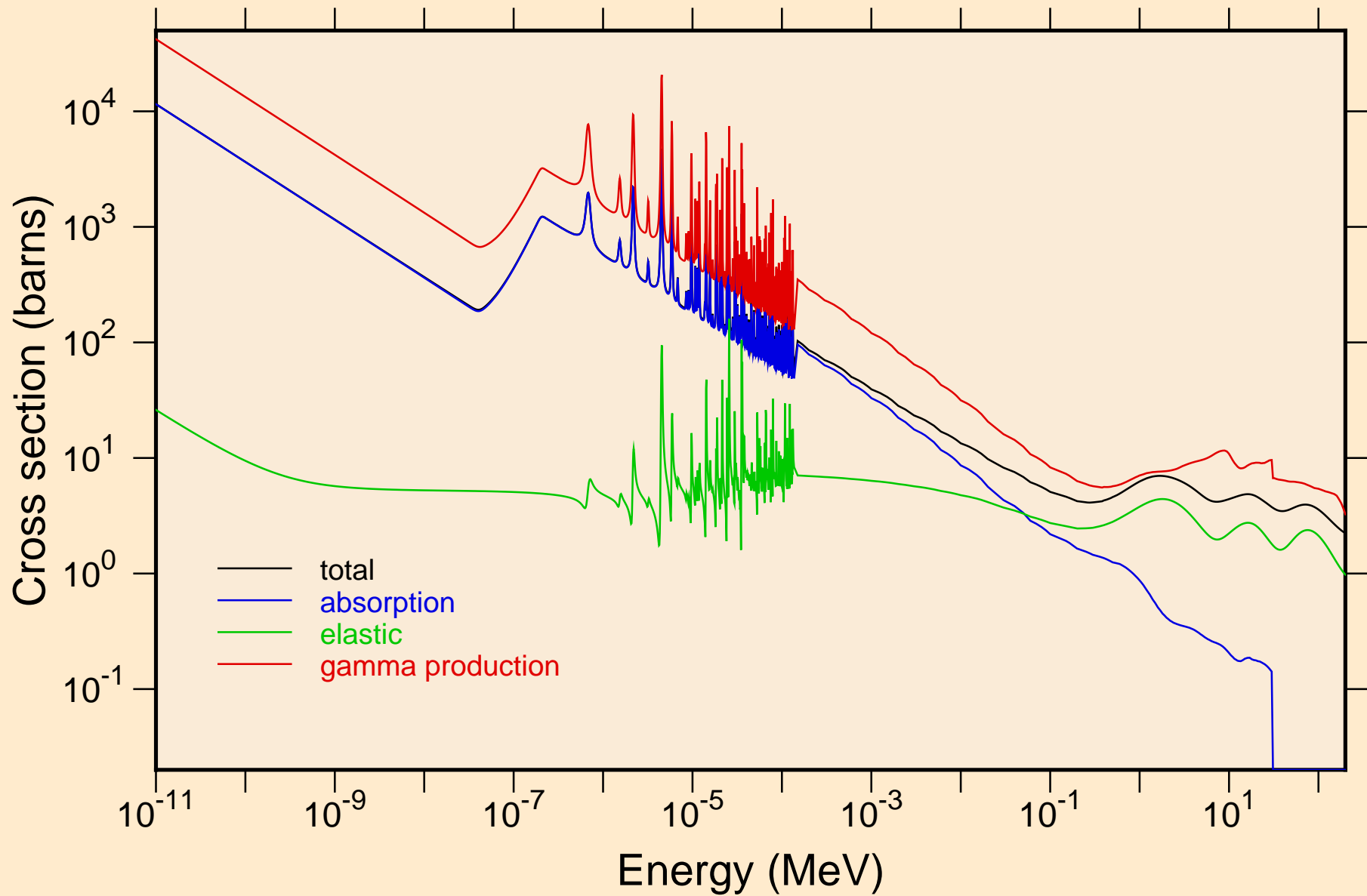
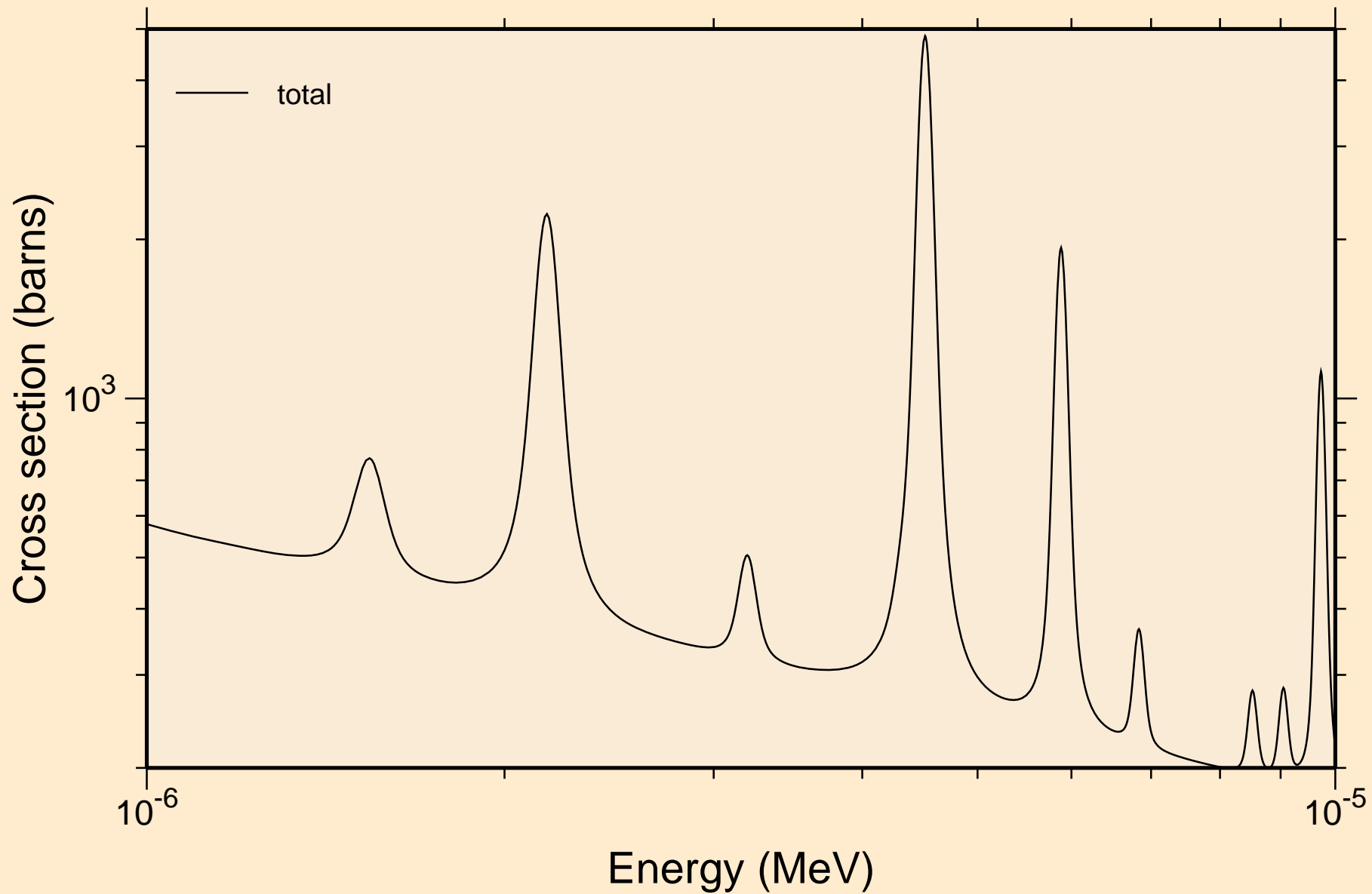


# PM138 NRG TENDL-2015, AKONING

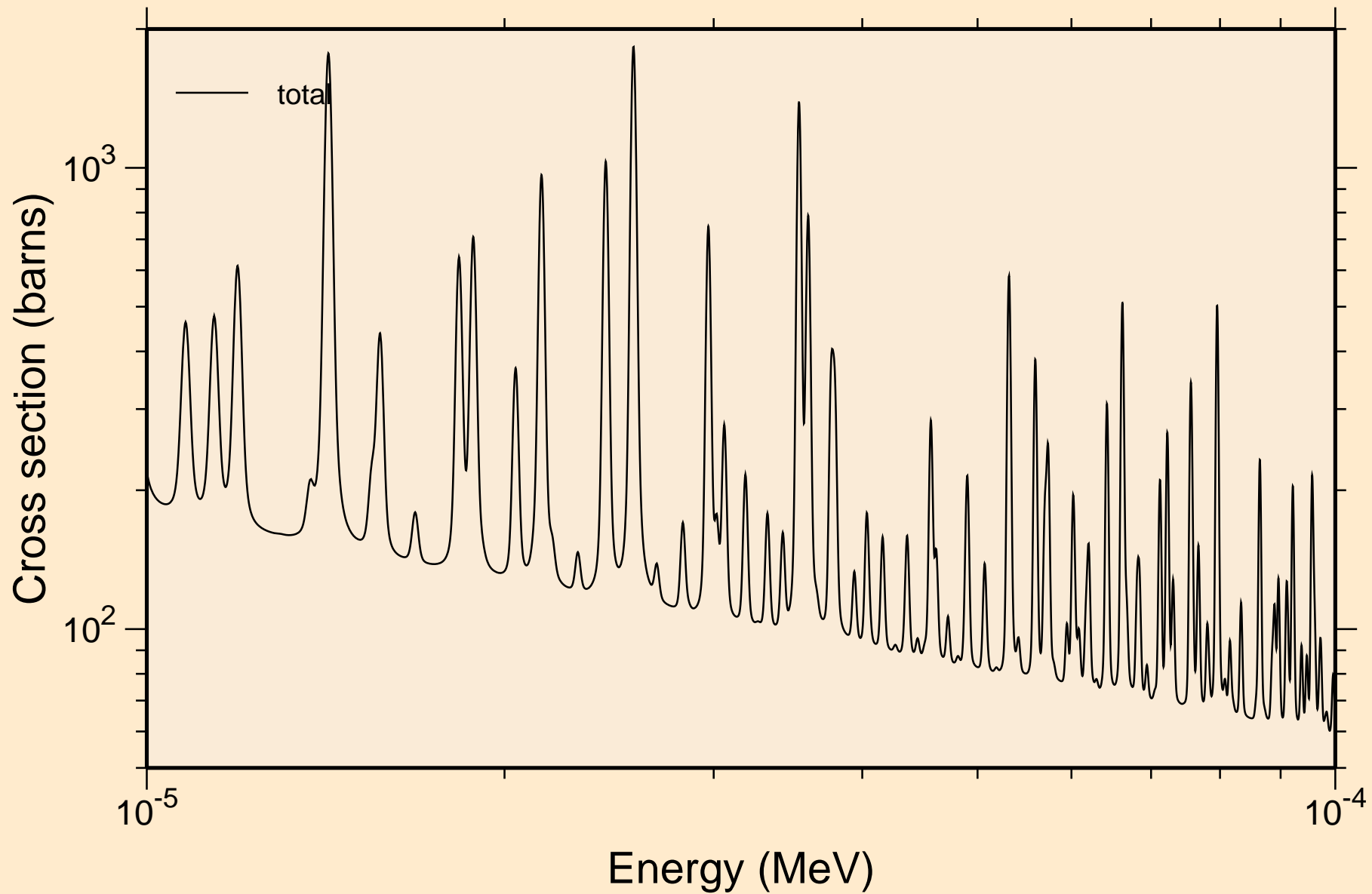
## Principal cross sections



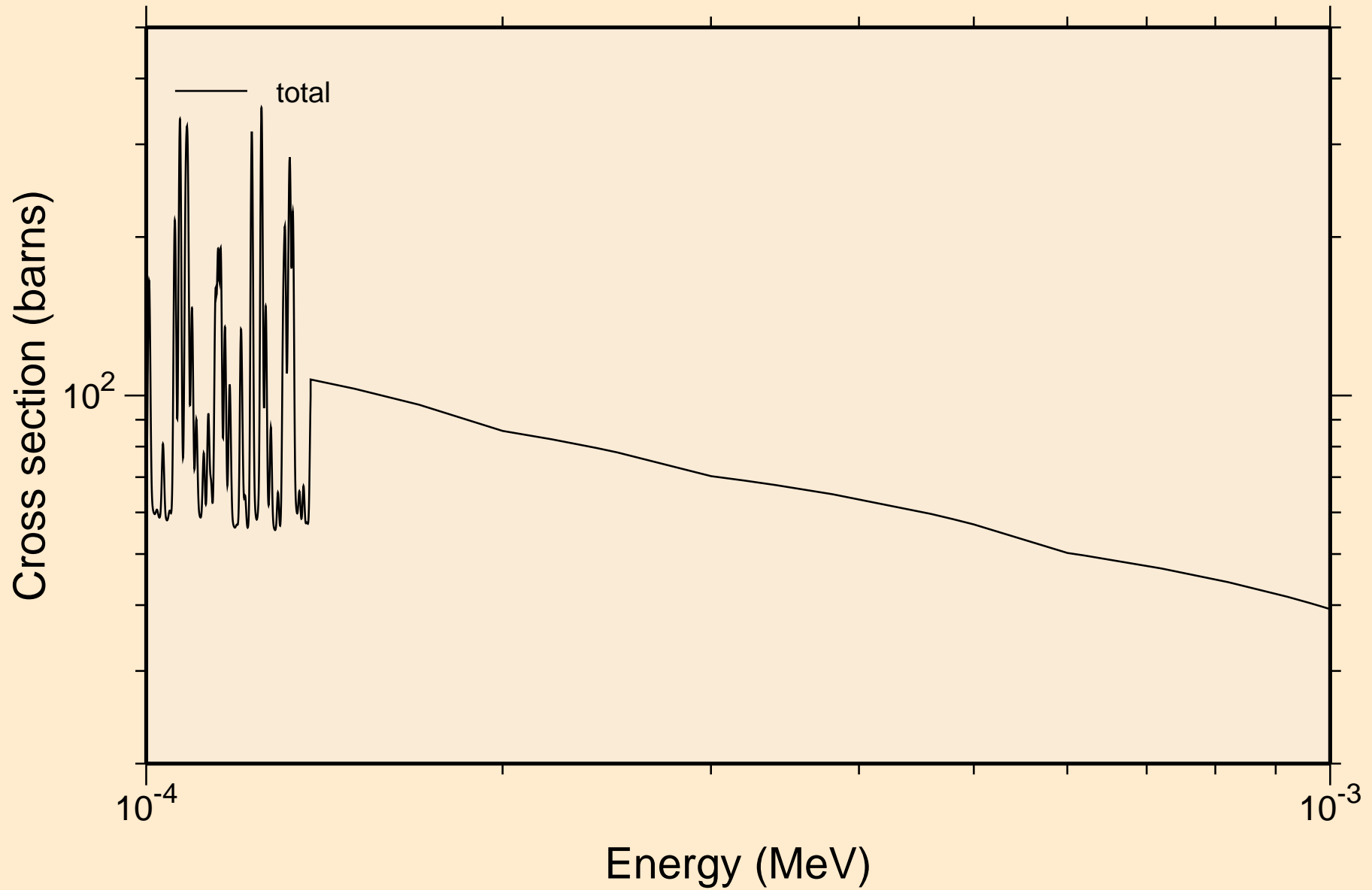
PM138 NRG TENDL-2015, AKONING  
resonance total cross section



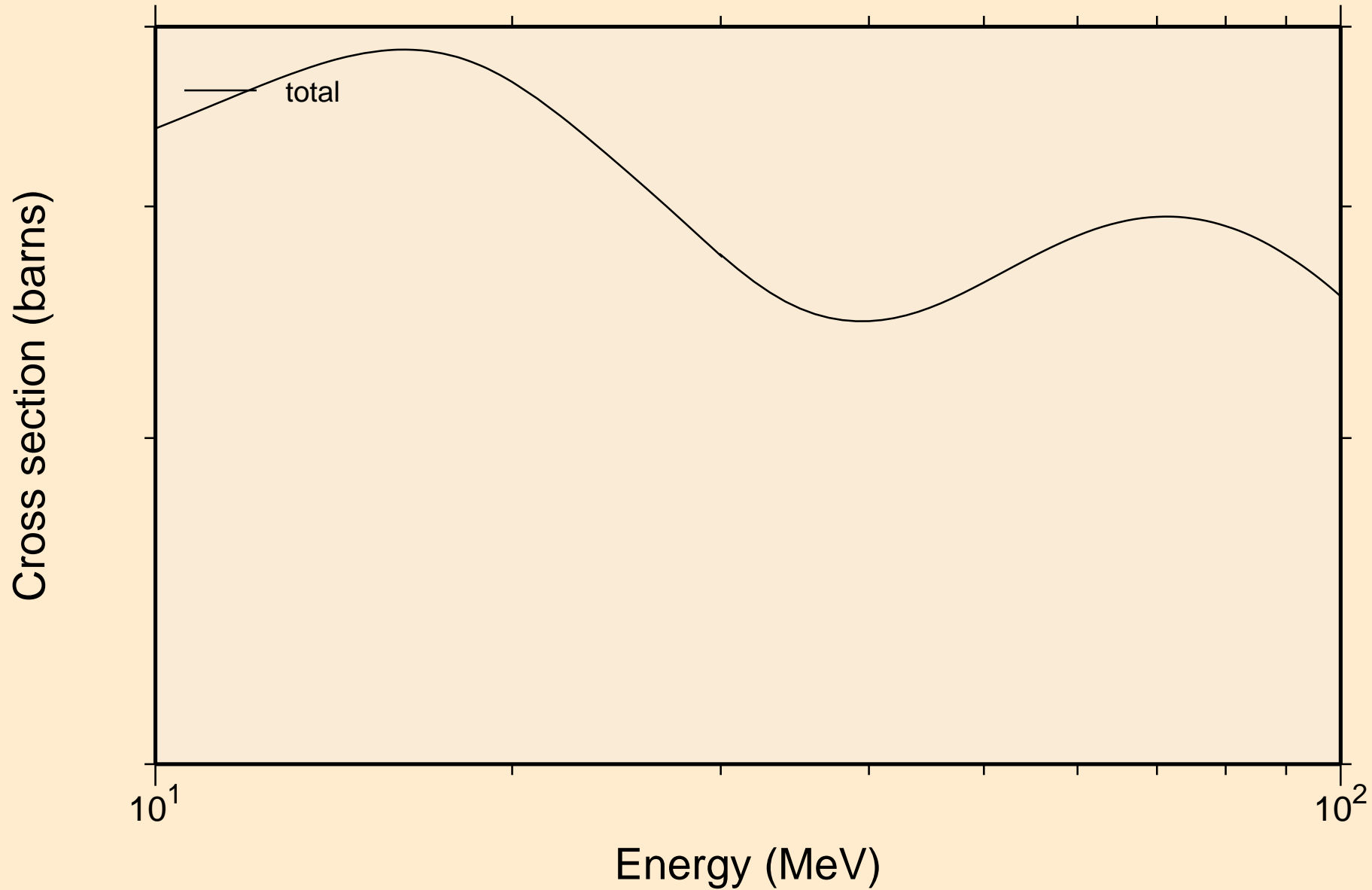
PM138 NRG TENDL-2015, AKONING  
resonance total cross section



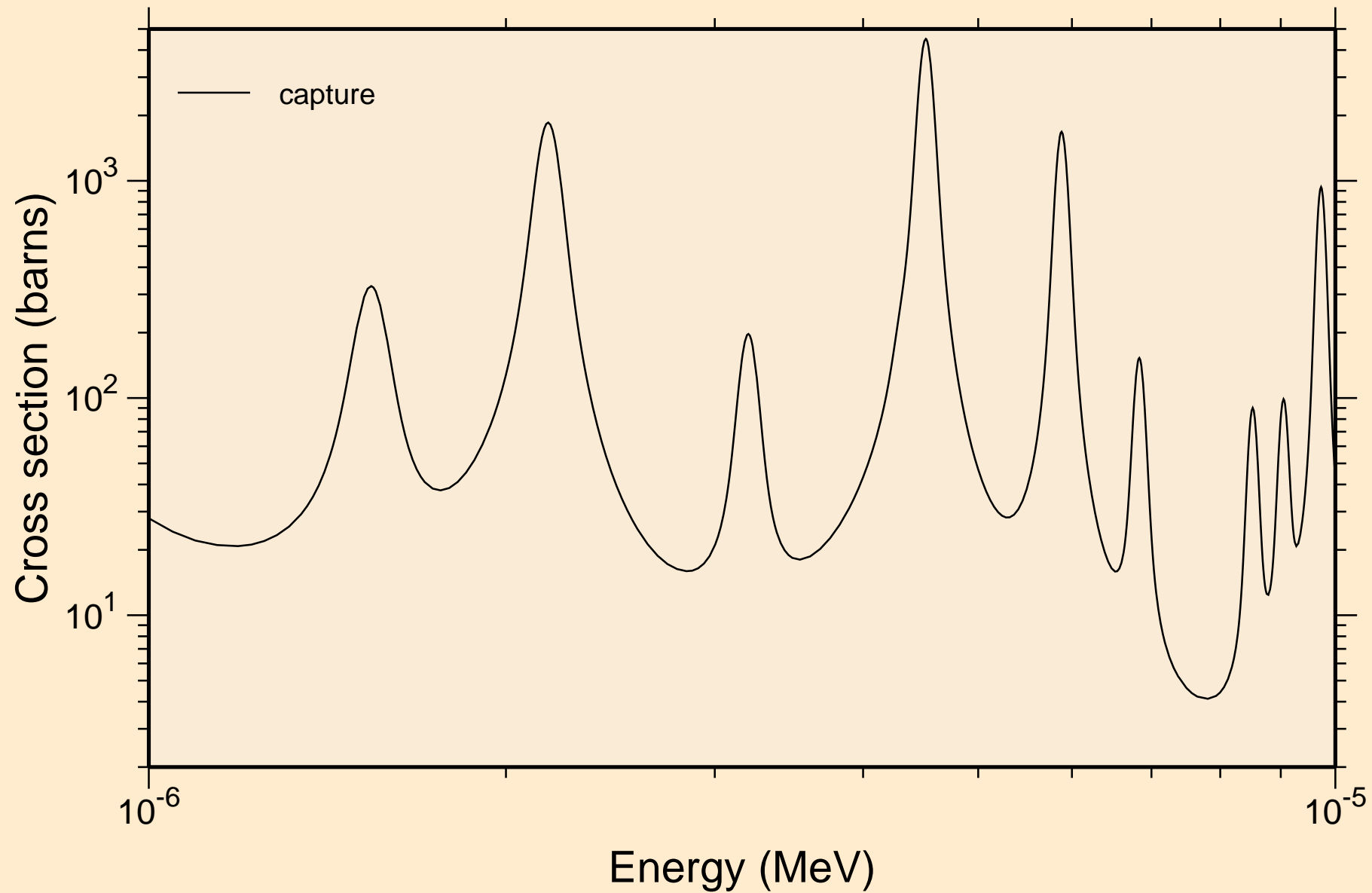
PM138 NRG TENDL-2015, AKONING  
resonance total cross section



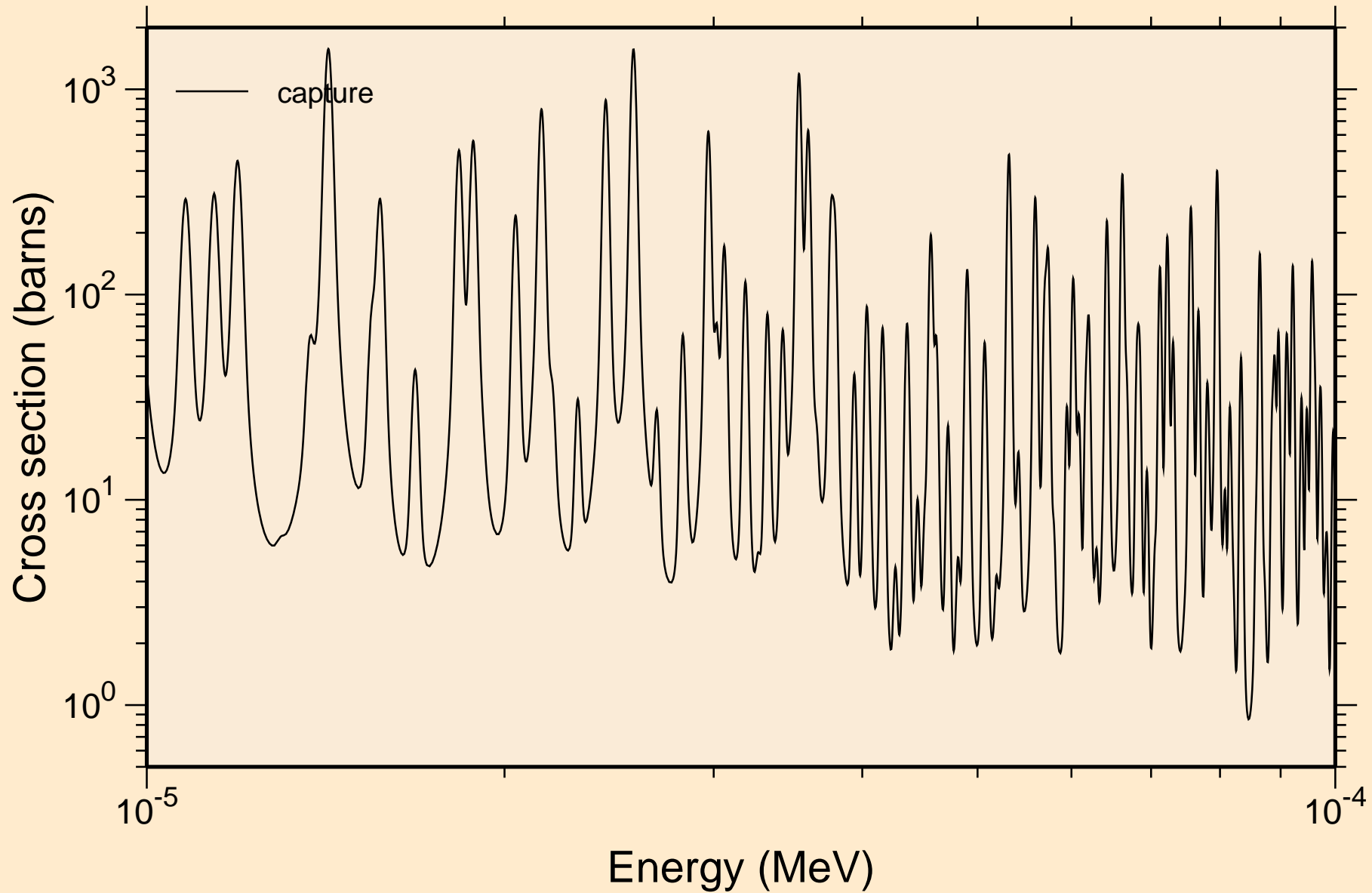
P̄M138 NRG TENDL-2015, AKONING  
resonance total cross section



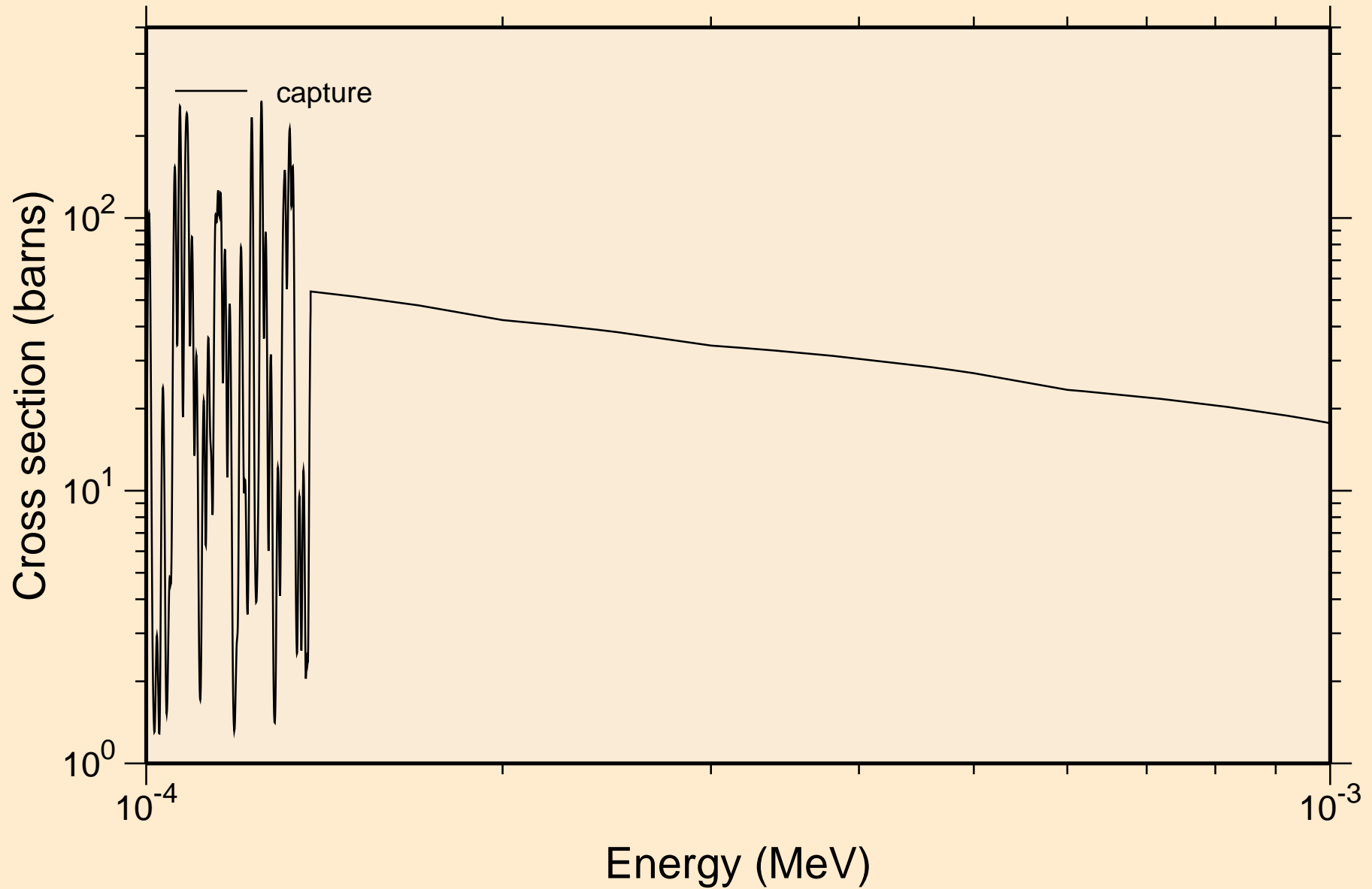
PM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections



PM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections

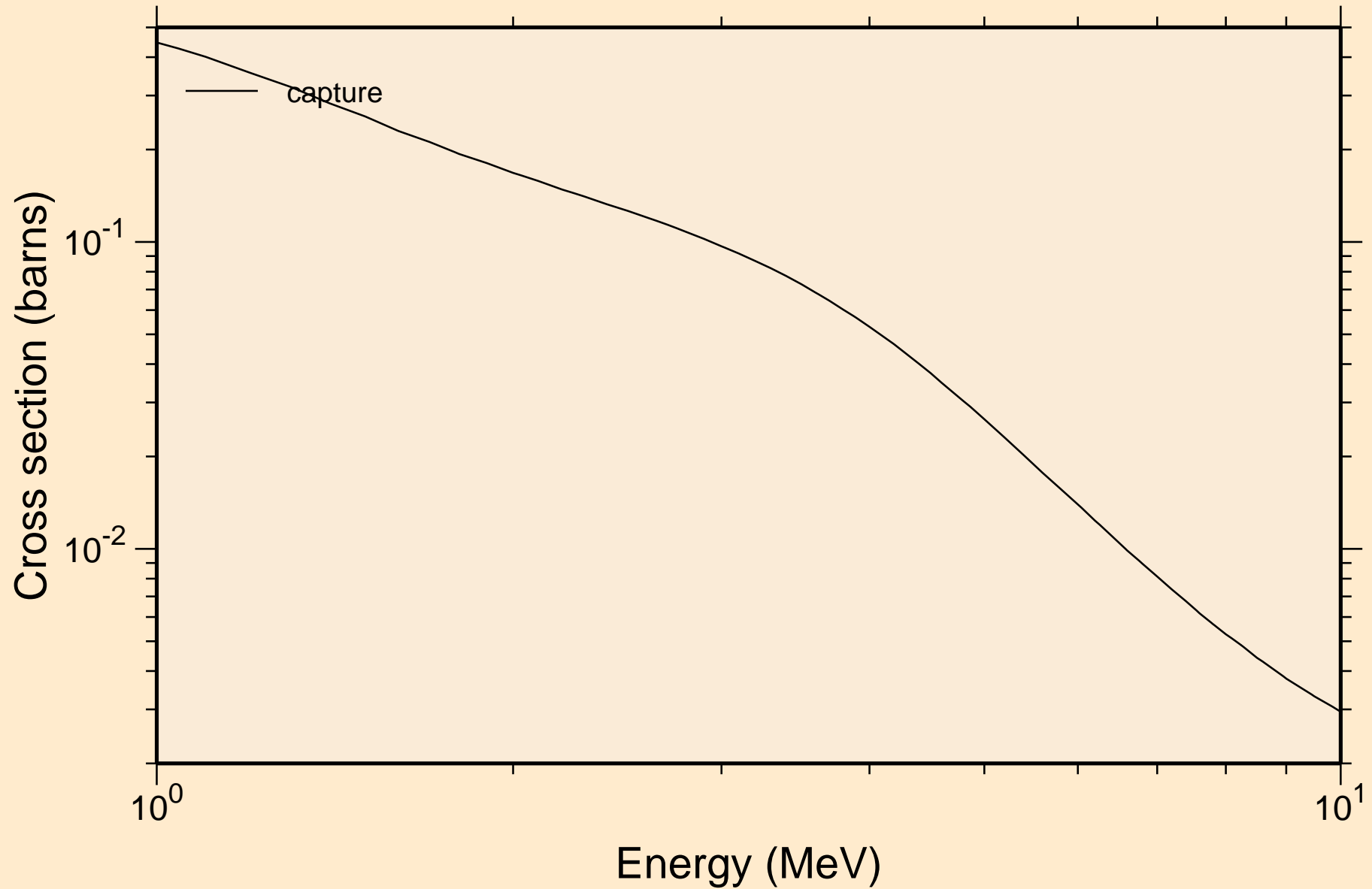


PM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections



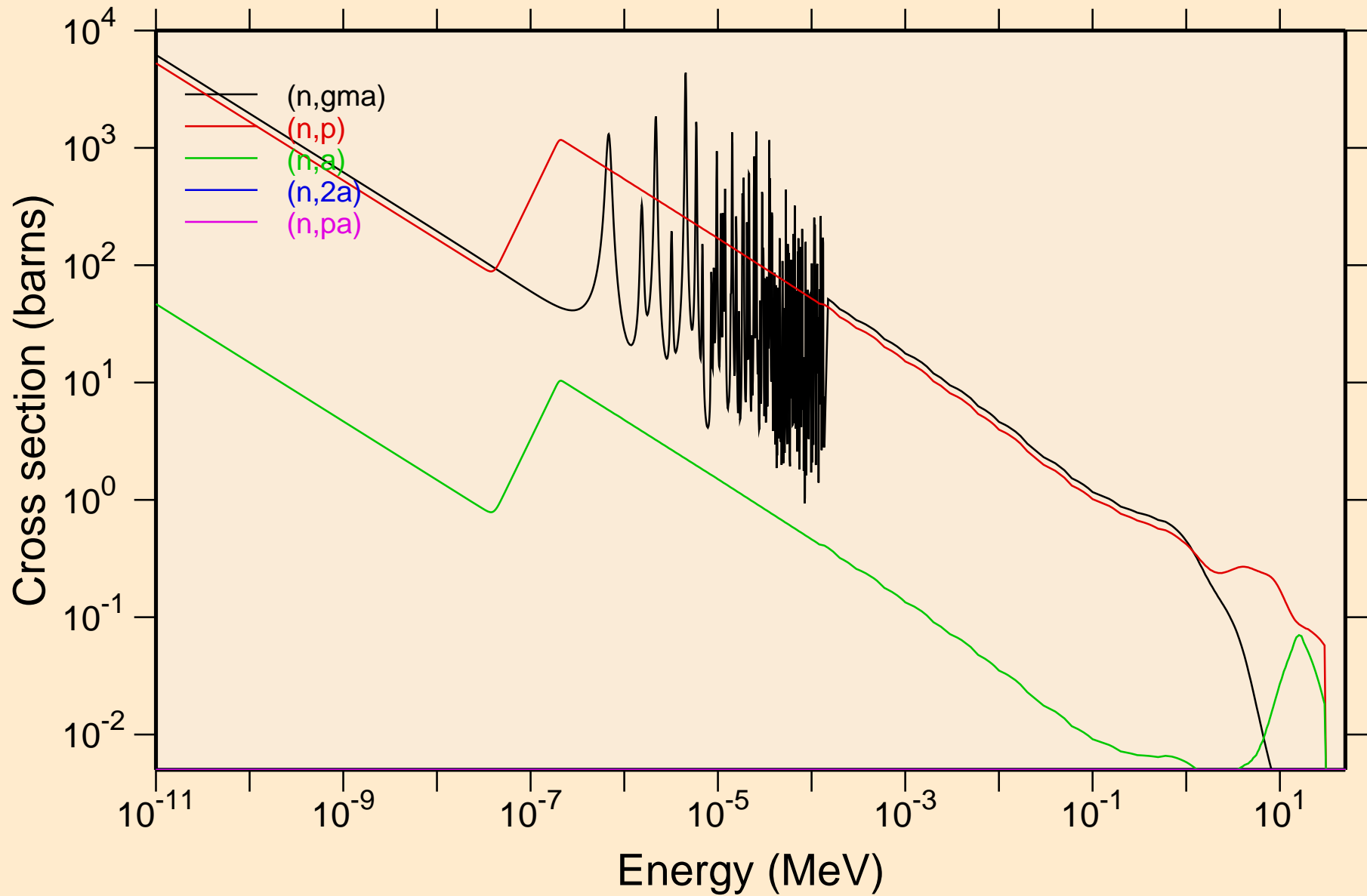


PM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections



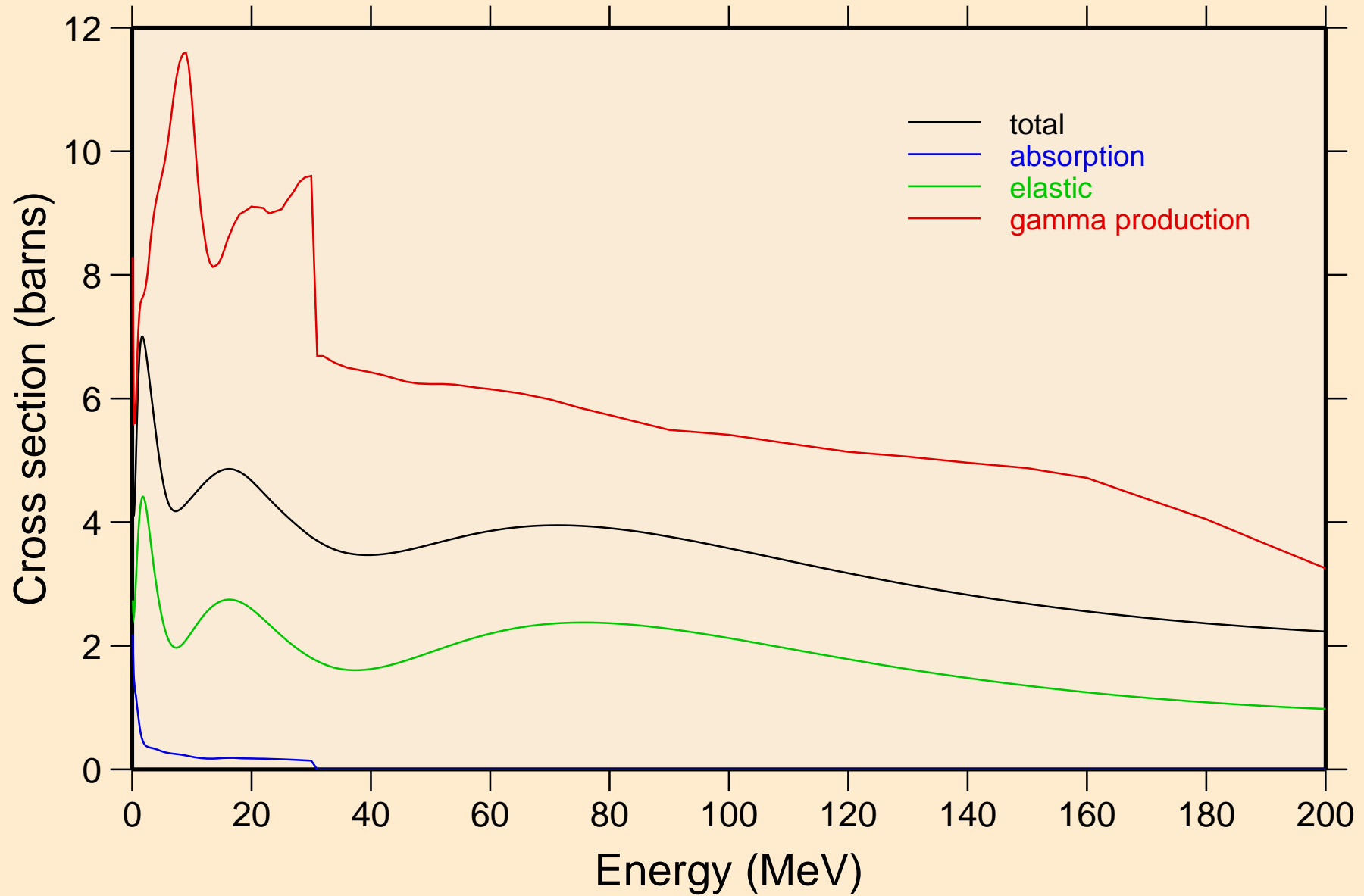
# PM138 NRG TENDL-2015, AKONING

## Non-threshold reactions



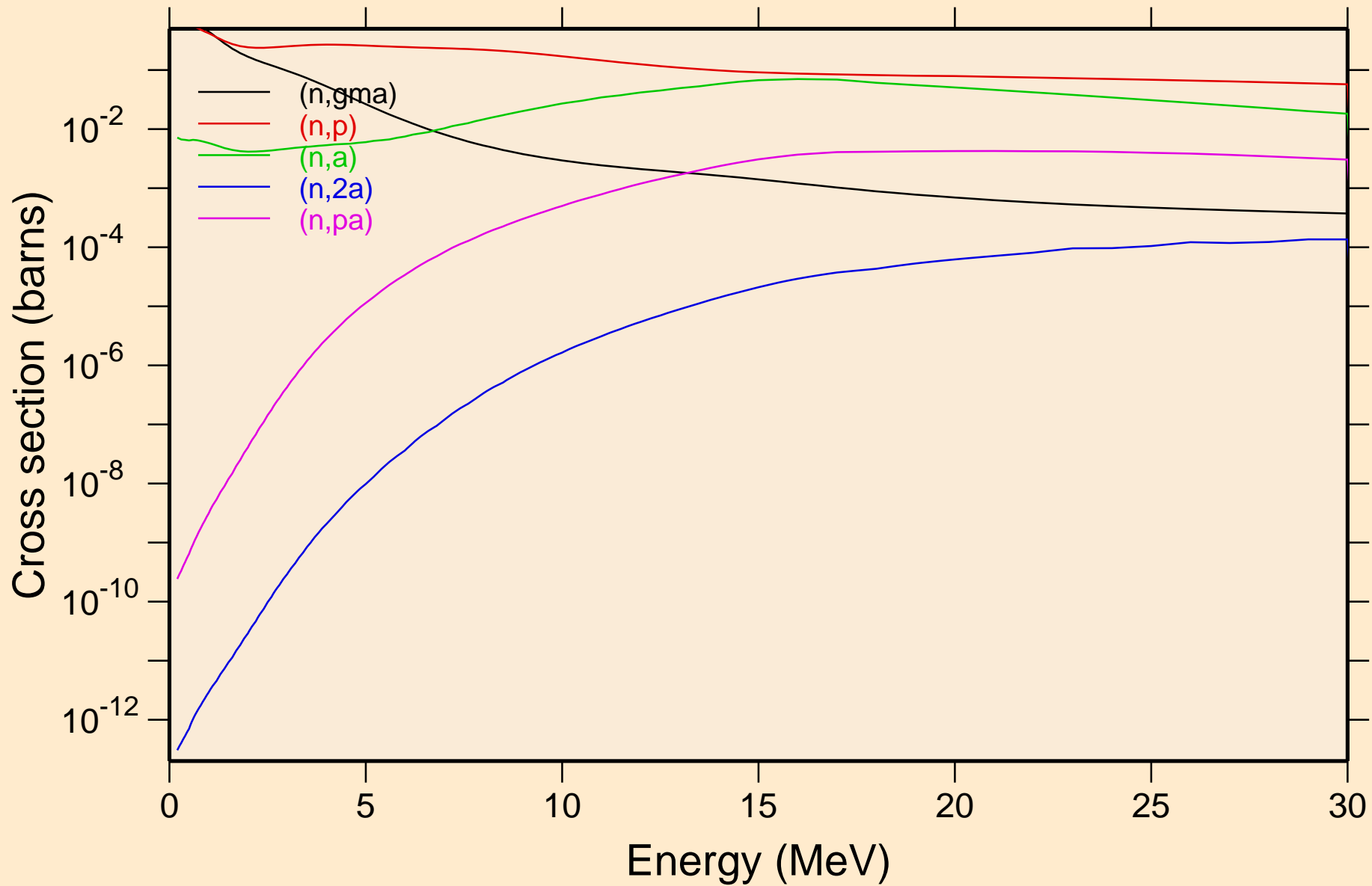
# PM138 NRG TENDL-2015, AKONING

## Principal cross sections



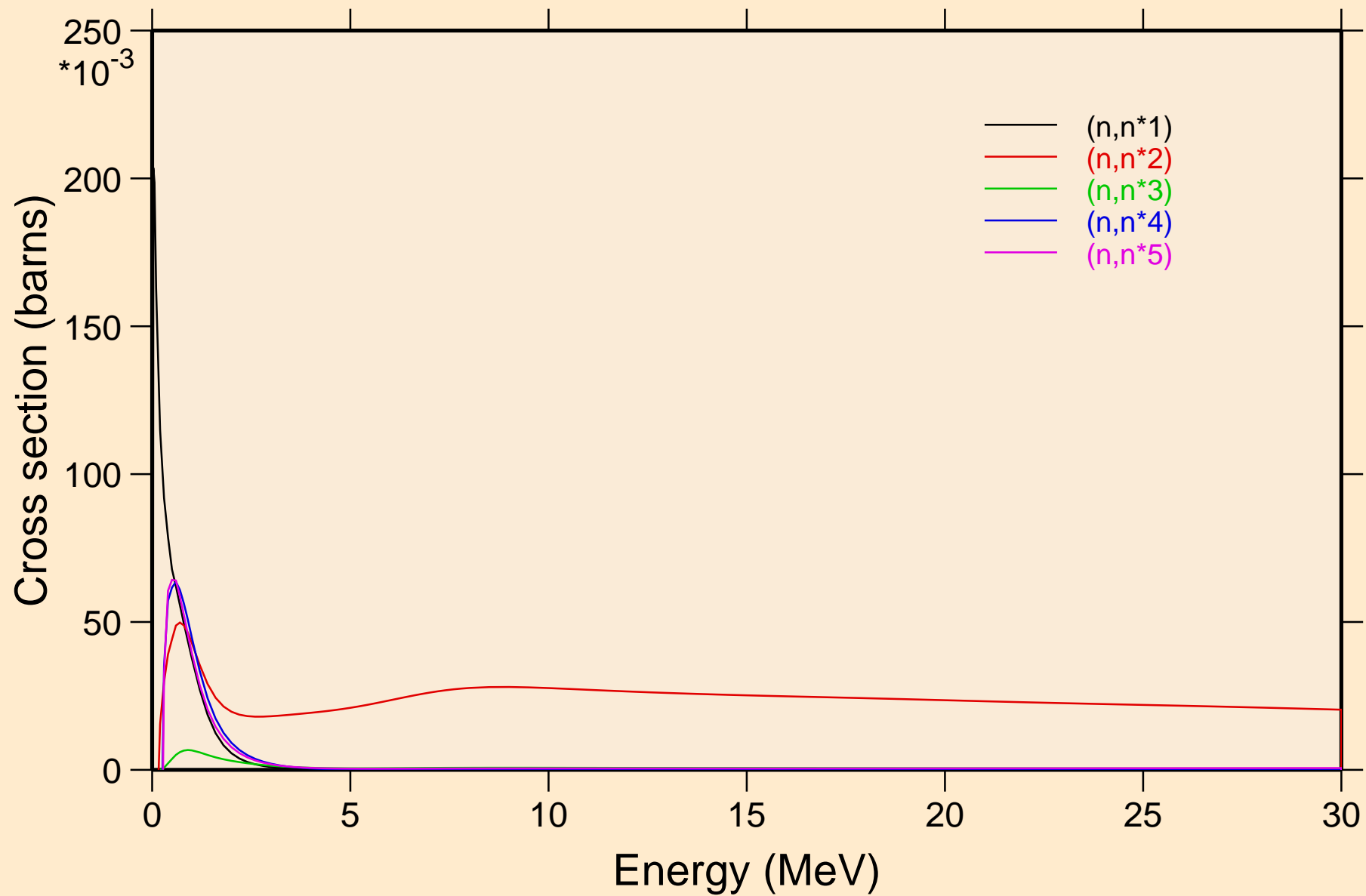
# PM138 NRG TENDL-2015, AKONING

## Non-threshold reactions



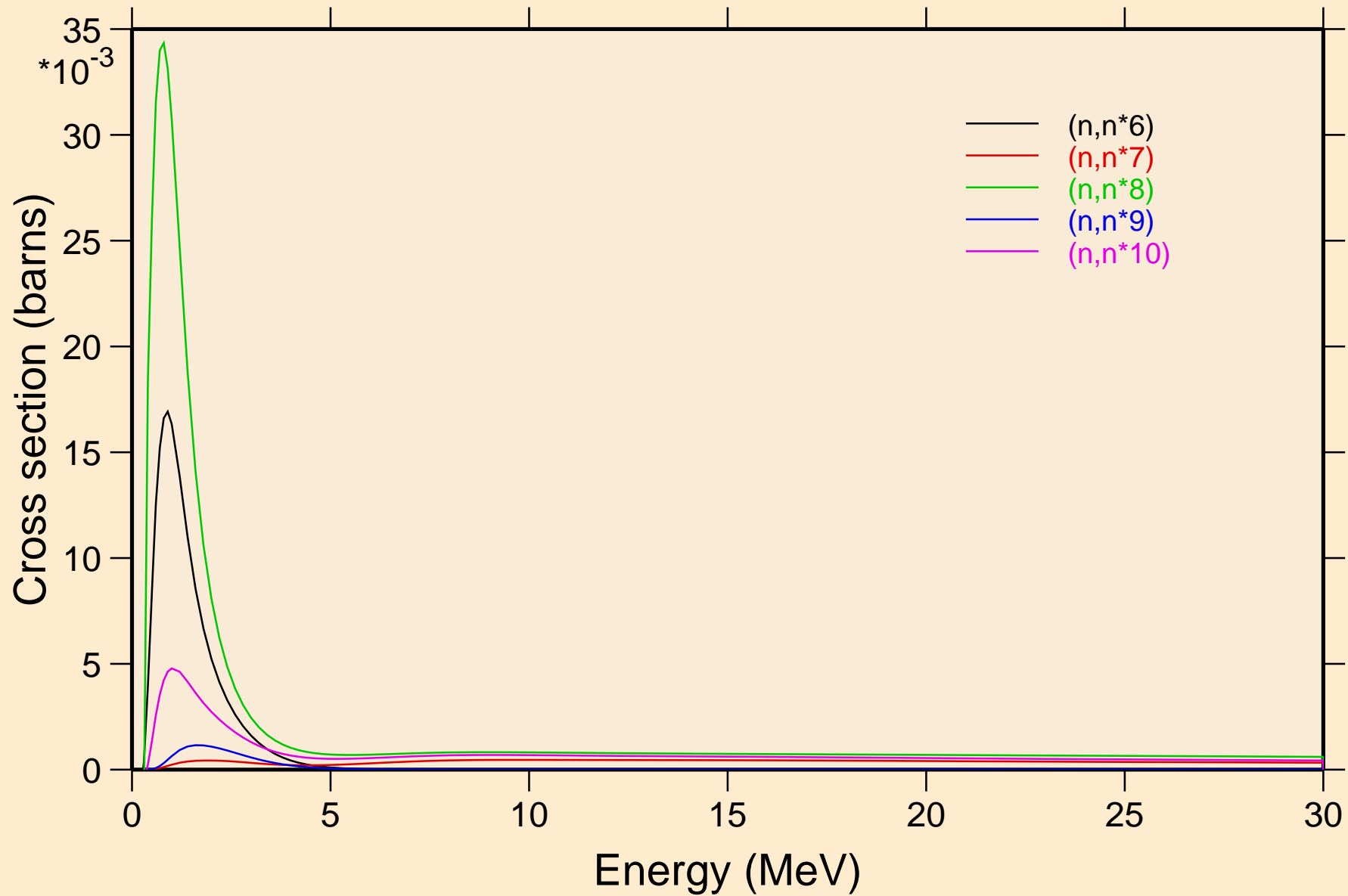
# PM138 NRG TENDL-2015, AKONING

## Inelastic levels



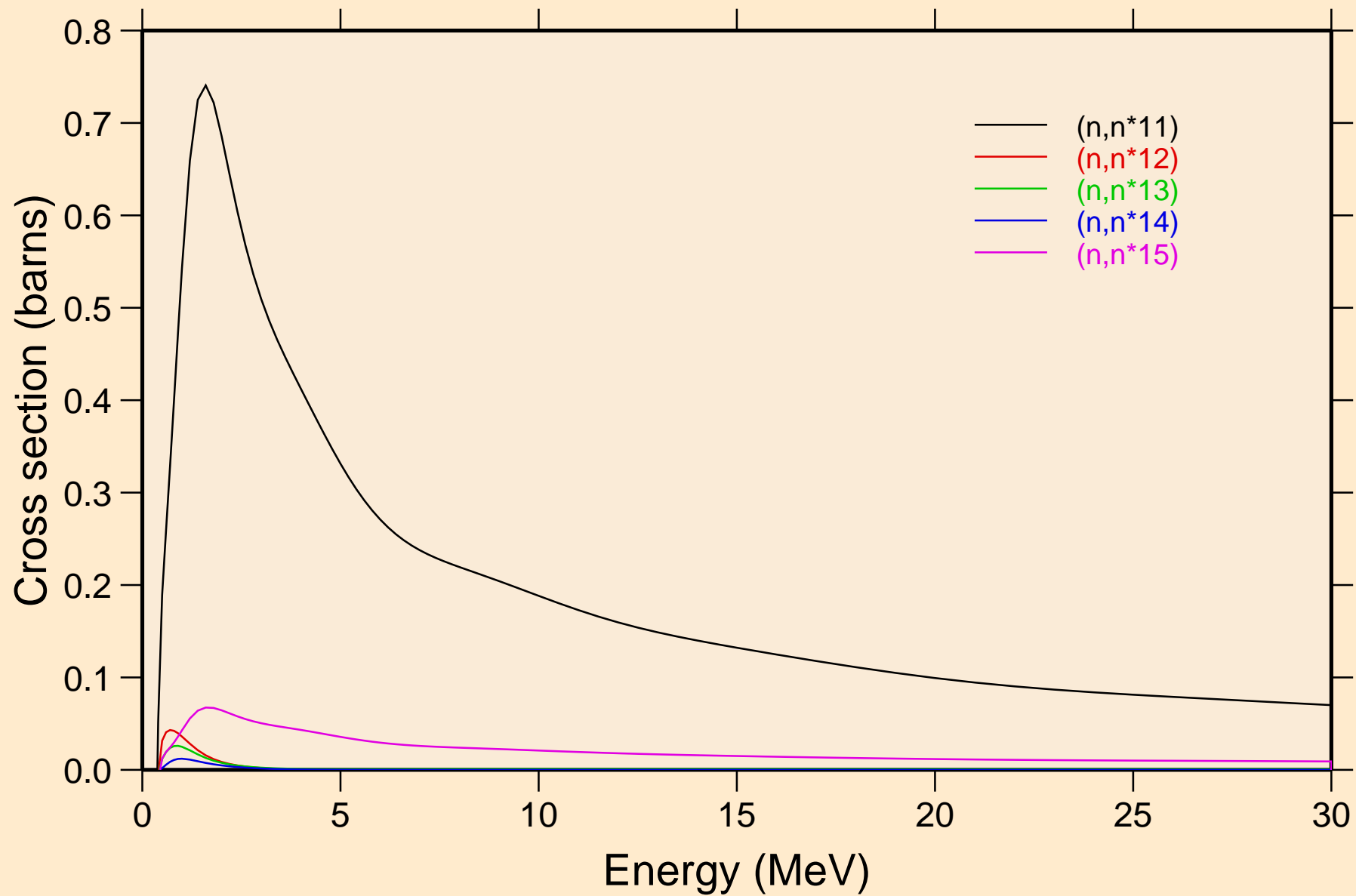
# PM138 NRG TENDL-2015, AKONING

## Inelastic levels



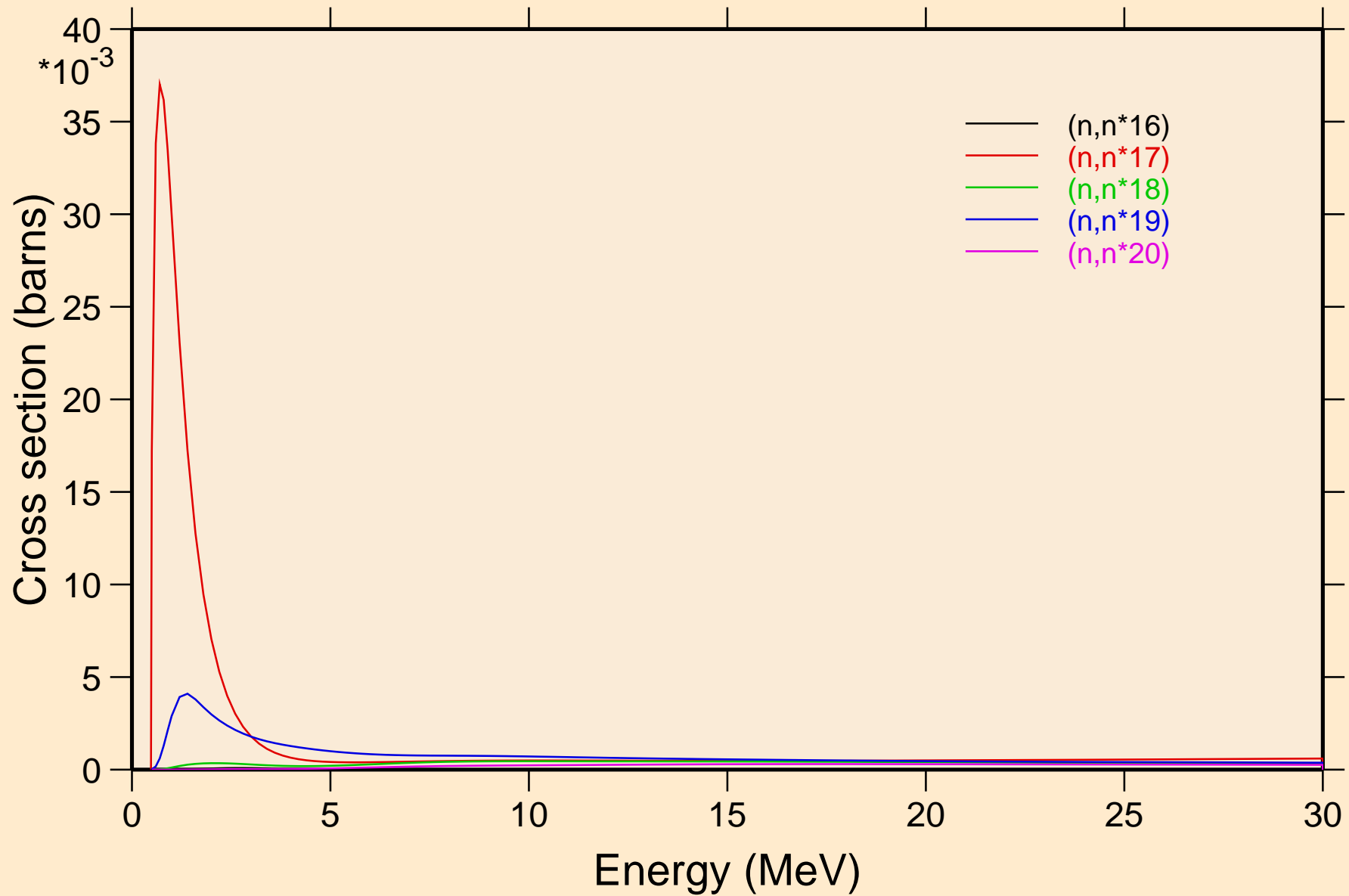
# PM138 NRG TENDL-2015, AKONING

## Inelastic levels



# PM138 NRG TENDL-2015, AKONING

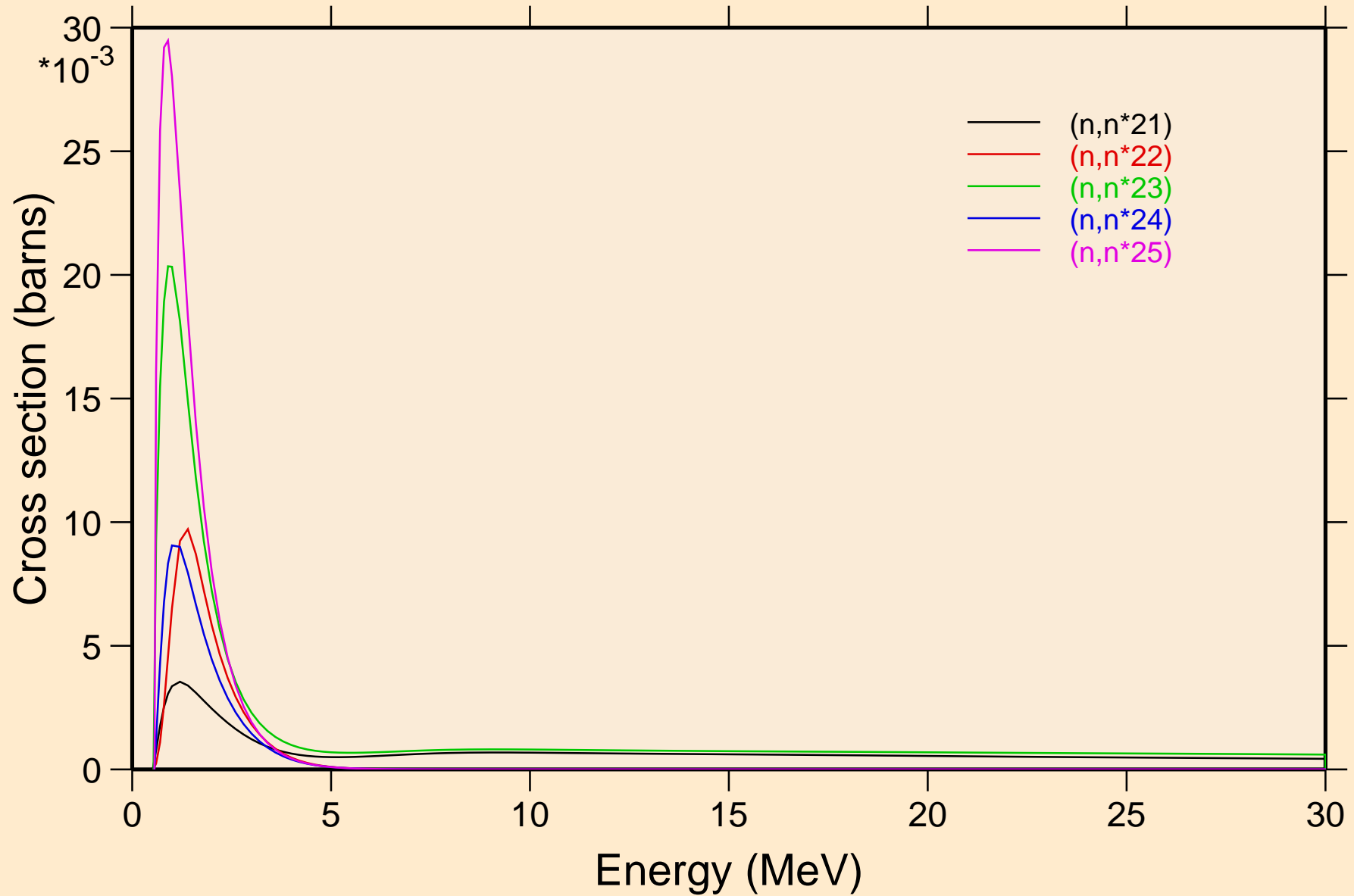
## Inelastic levels





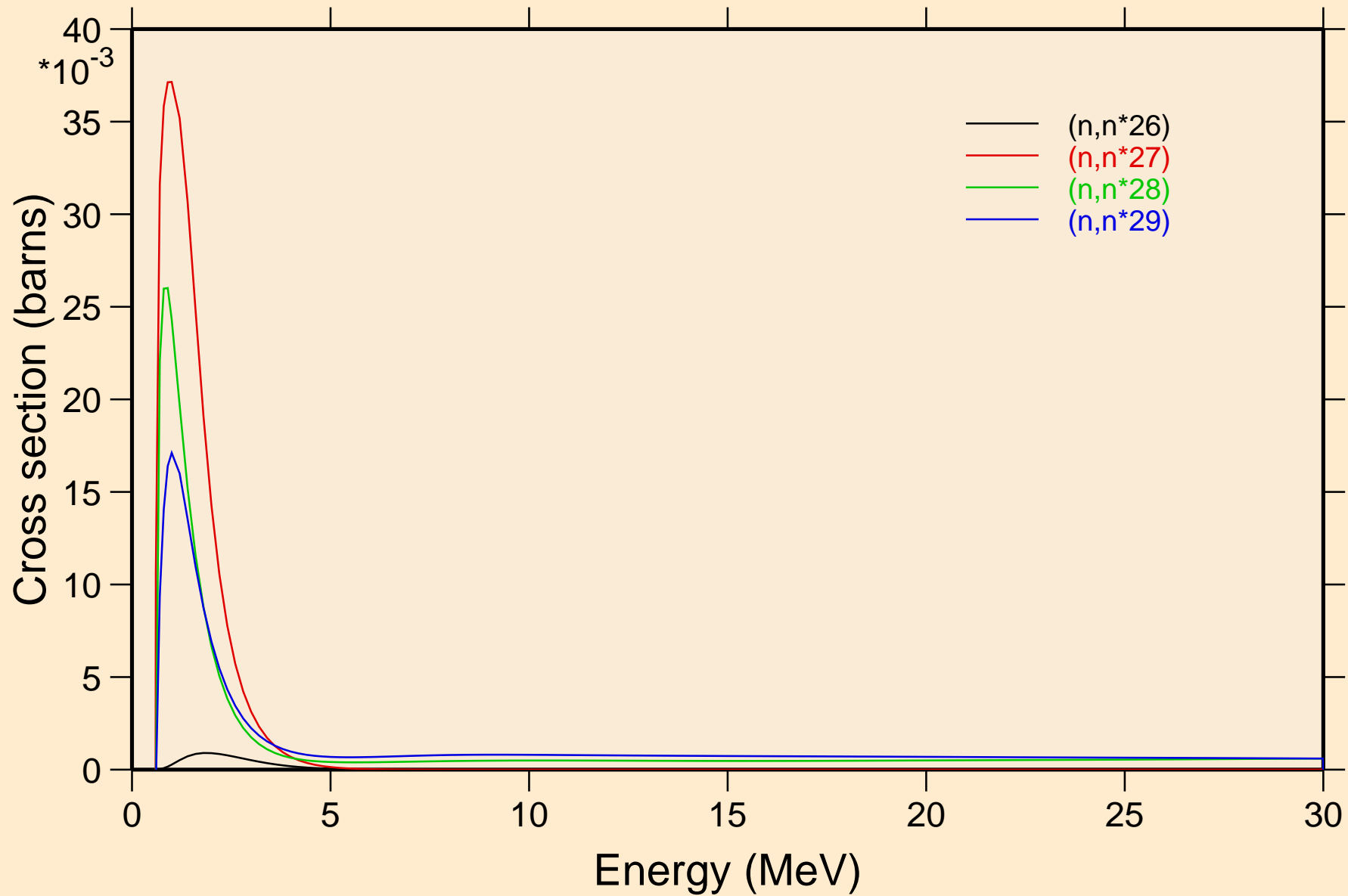
# PM138 NRG TENDL-2015, AKONING

## Inelastic levels



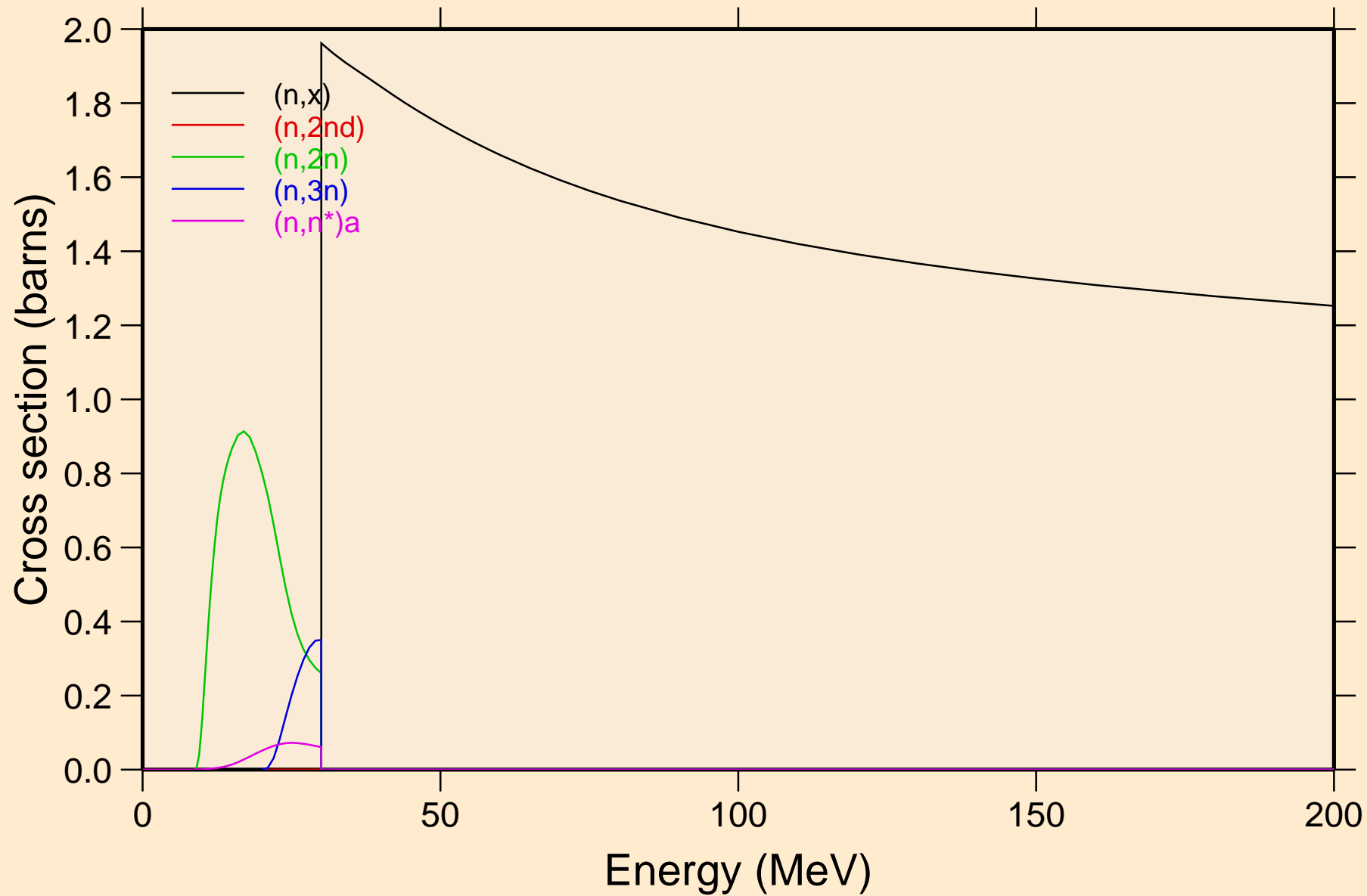
# PM138 NRG TENDL-2015, AKONING

## Inelastic levels



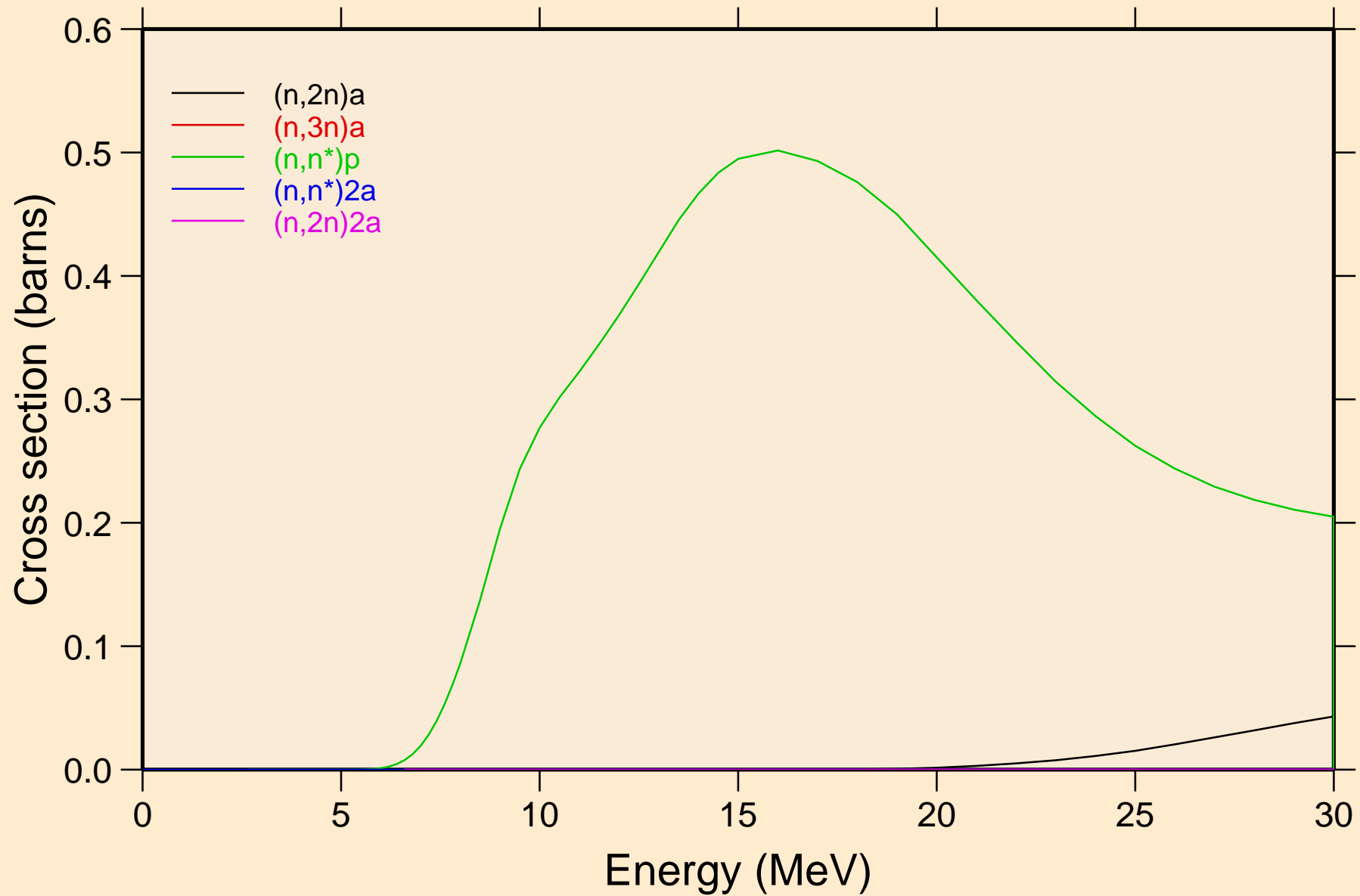
# PM138 NRG TENDL-2015, AKONING

## Threshold reactions



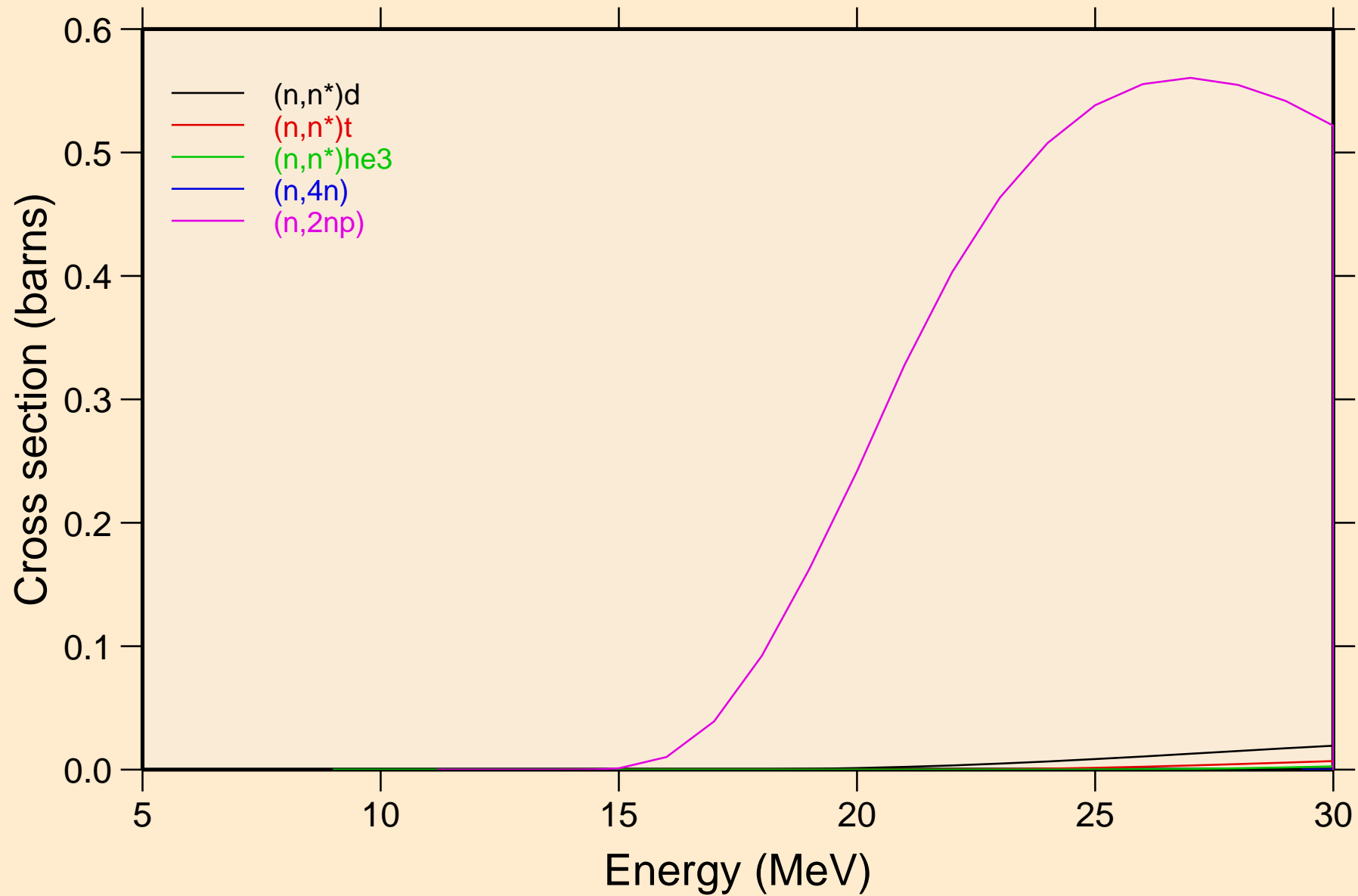
# PM138 NRG TENDL-2015, AKONING

## Threshold reactions



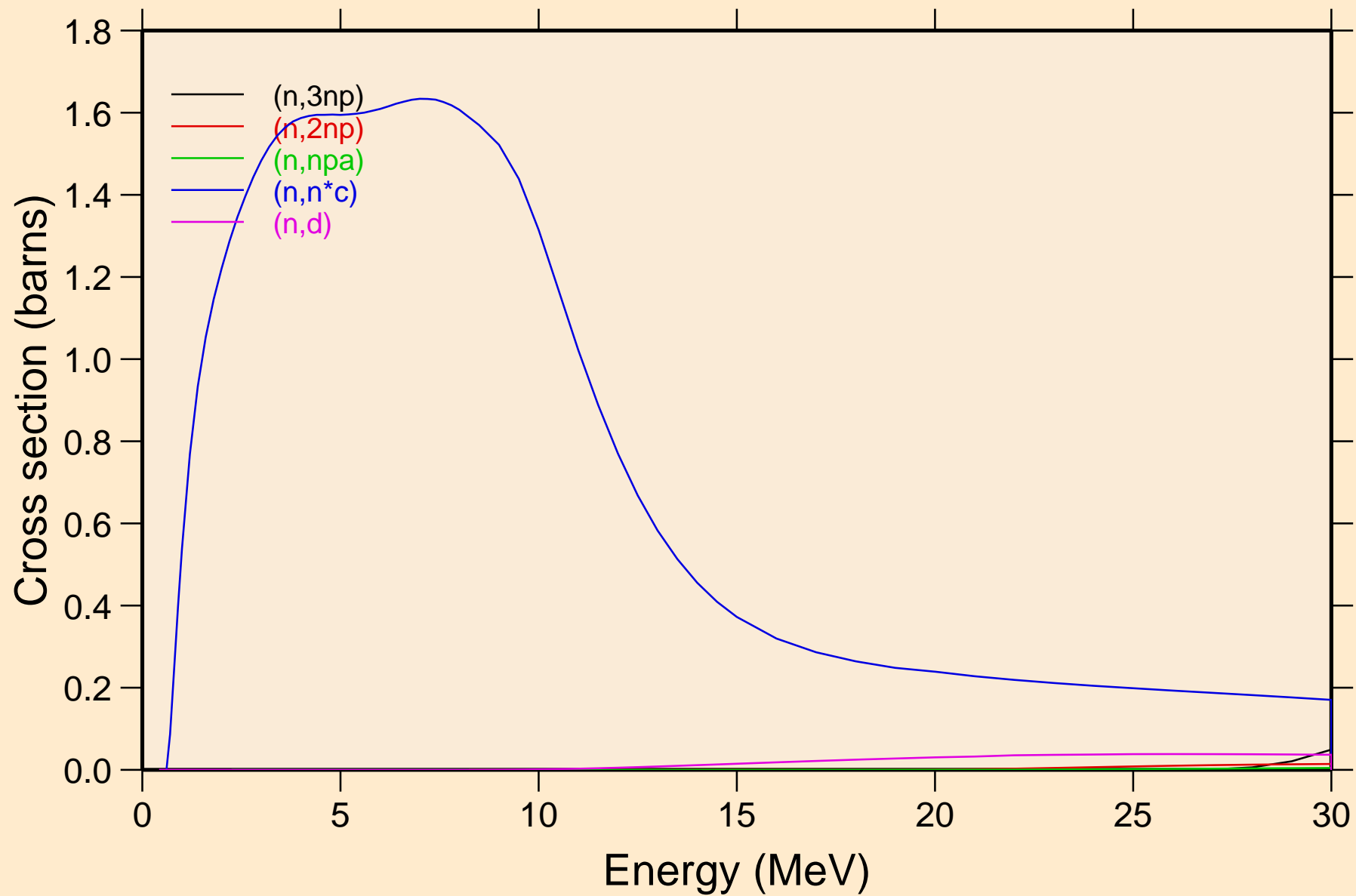
# PM138 NRG TENDL-2015, AKONING

## Threshold reactions



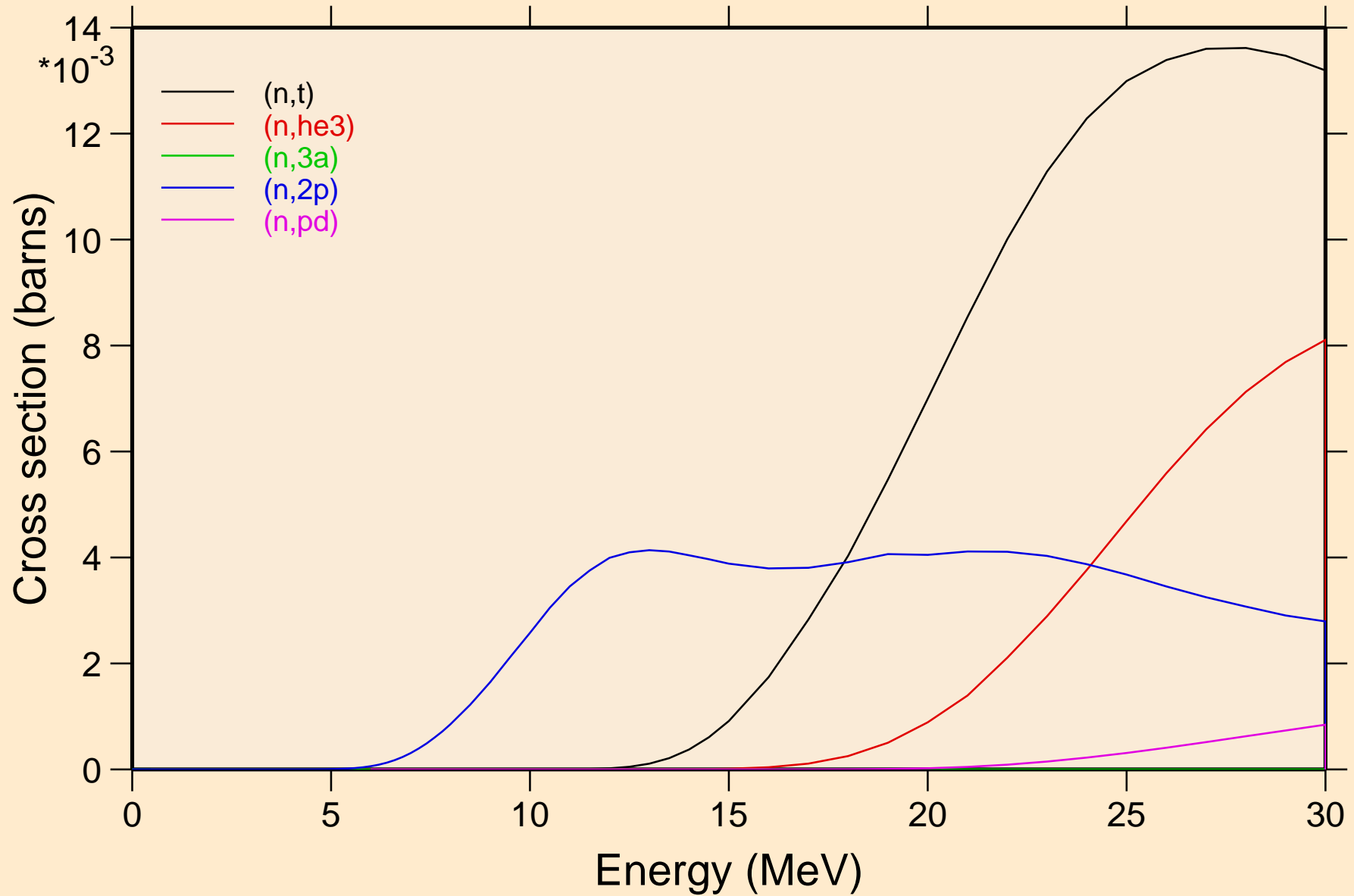
# PM138 NRG TENDL-2015, AKONING

## Threshold reactions



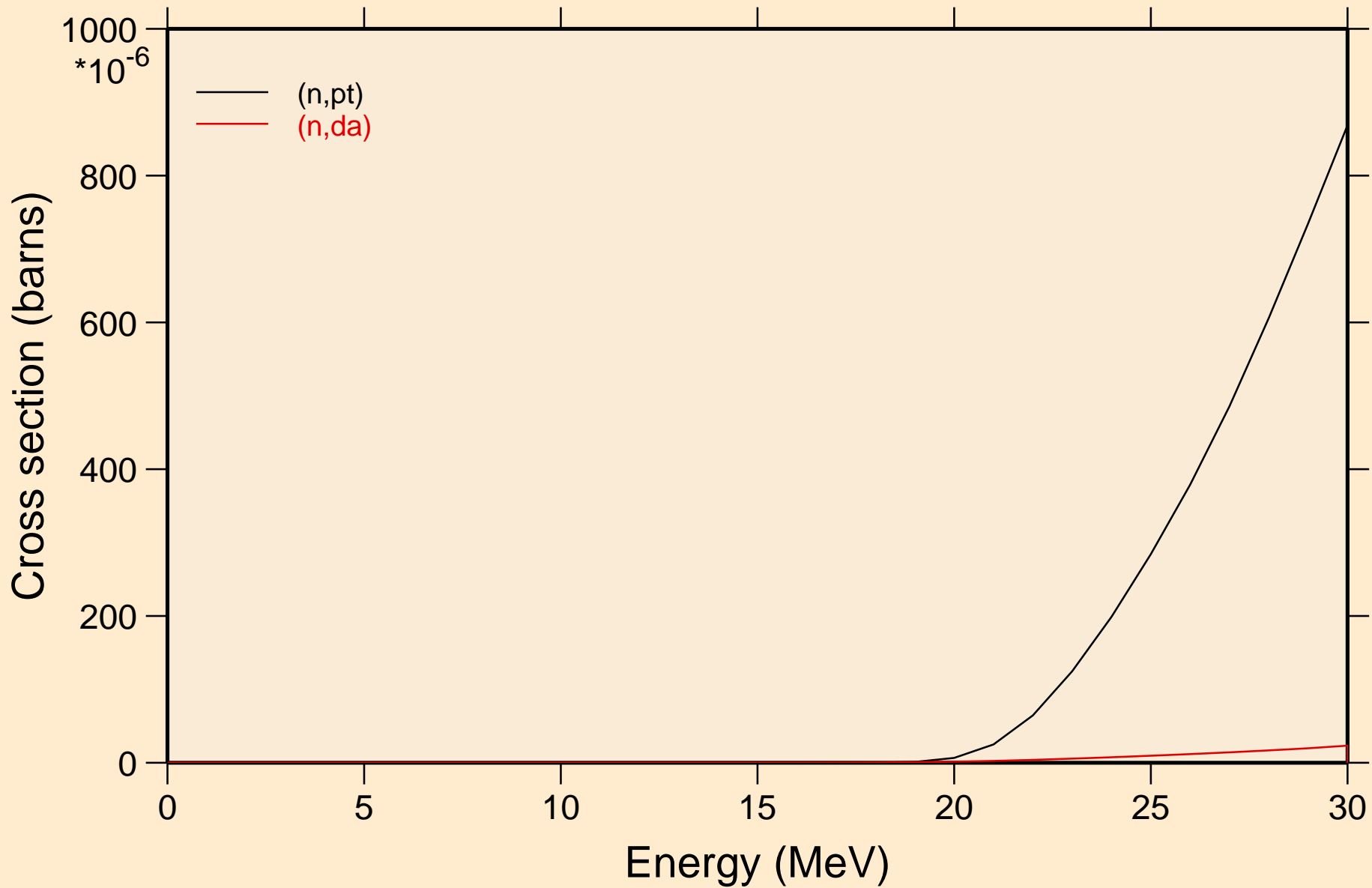
# PM138 NRG TENDL-2015, AKONING

## Threshold reactions



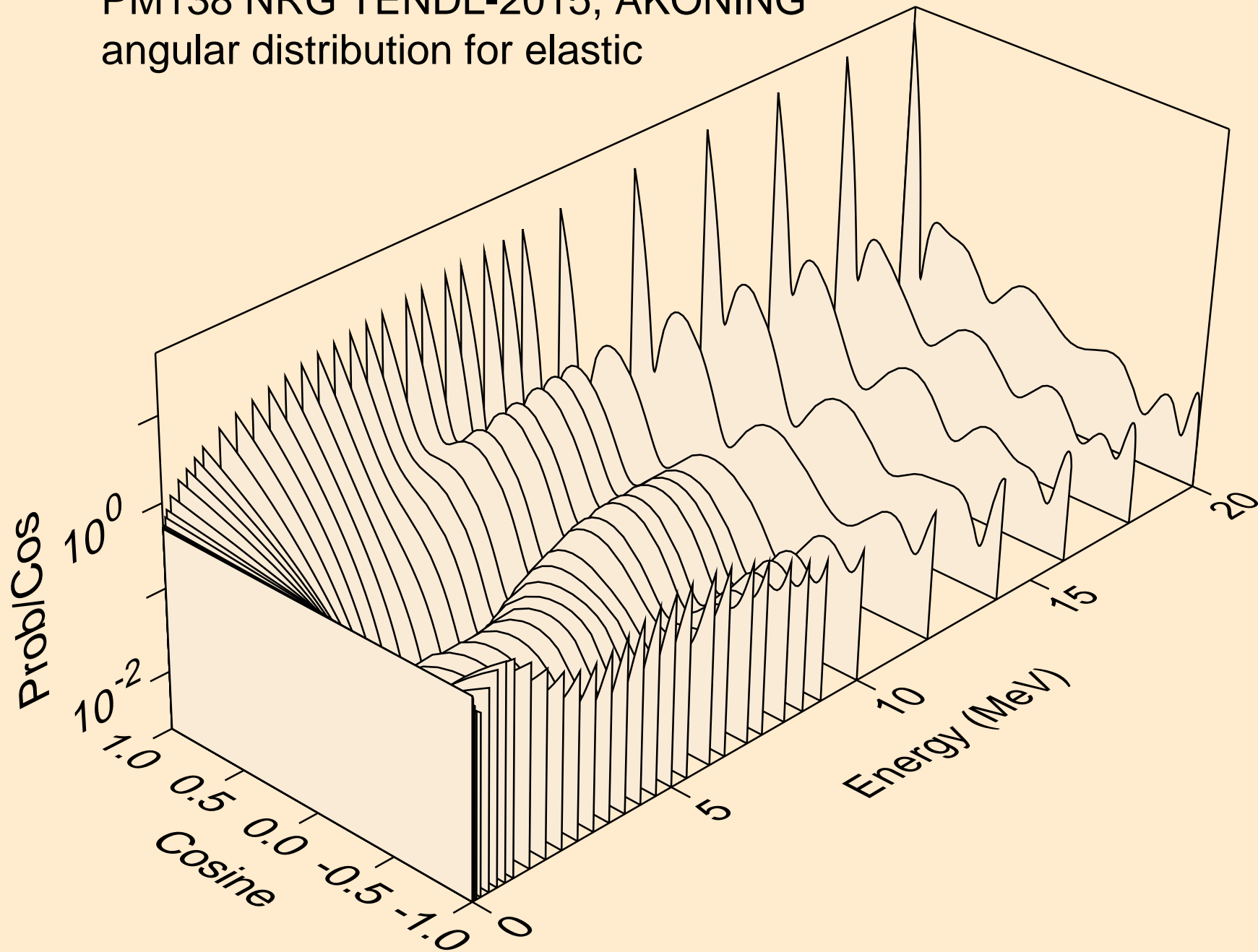
# PM138 NRG TENDL-2015, AKONING

## Threshold reactions

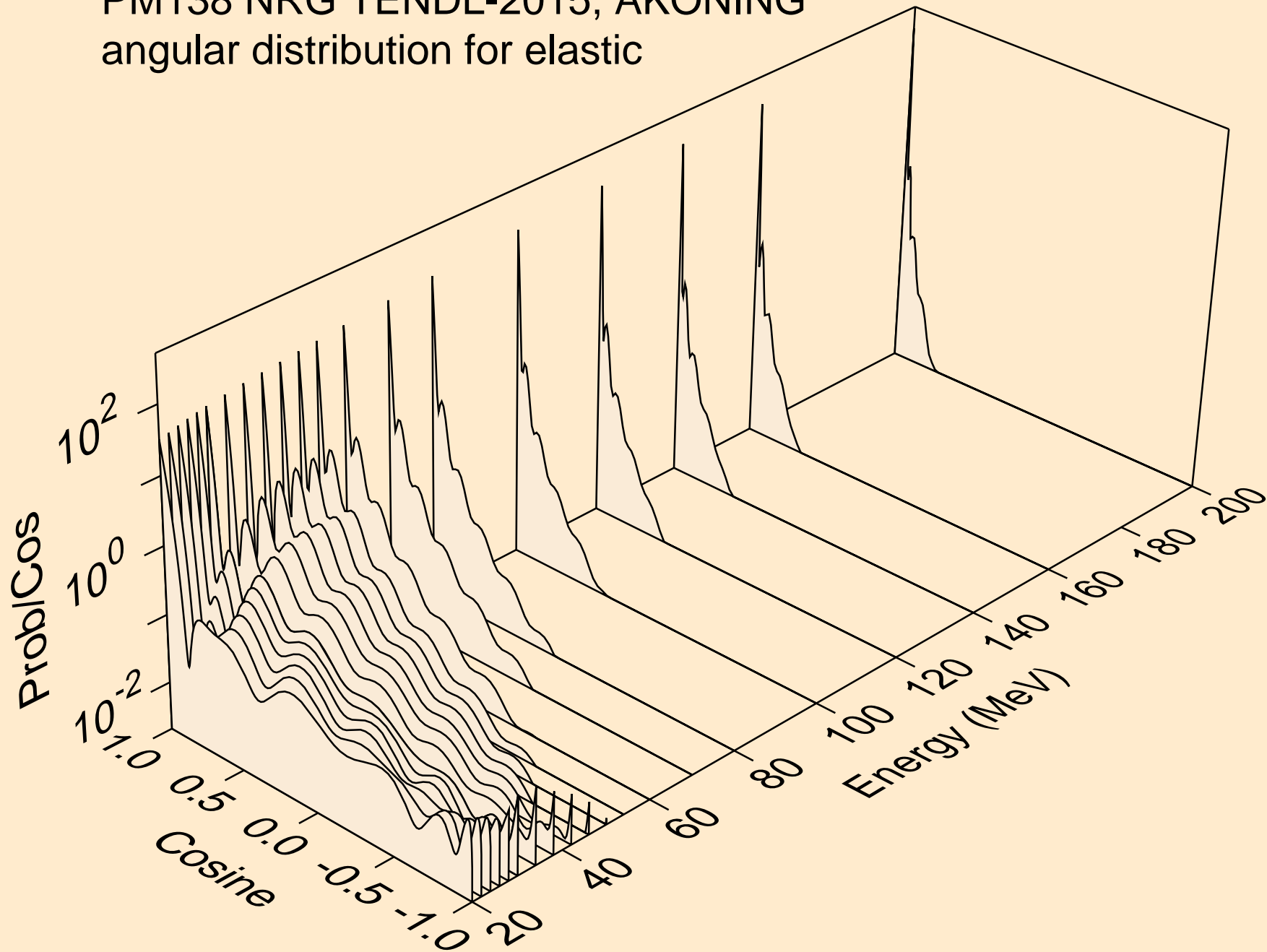




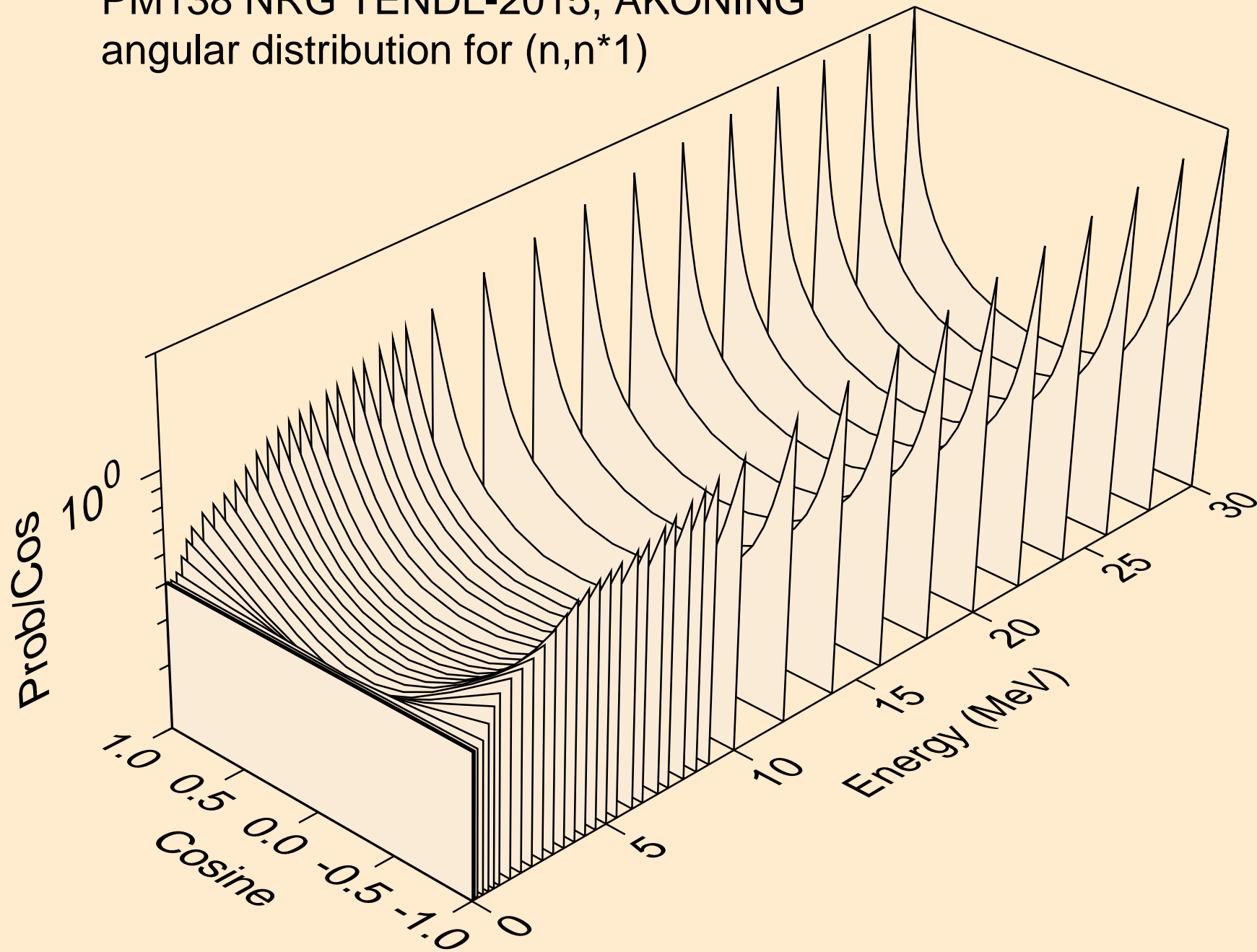
PM138 NRG TENDL-2015, AKONING  
angular distribution for elastic



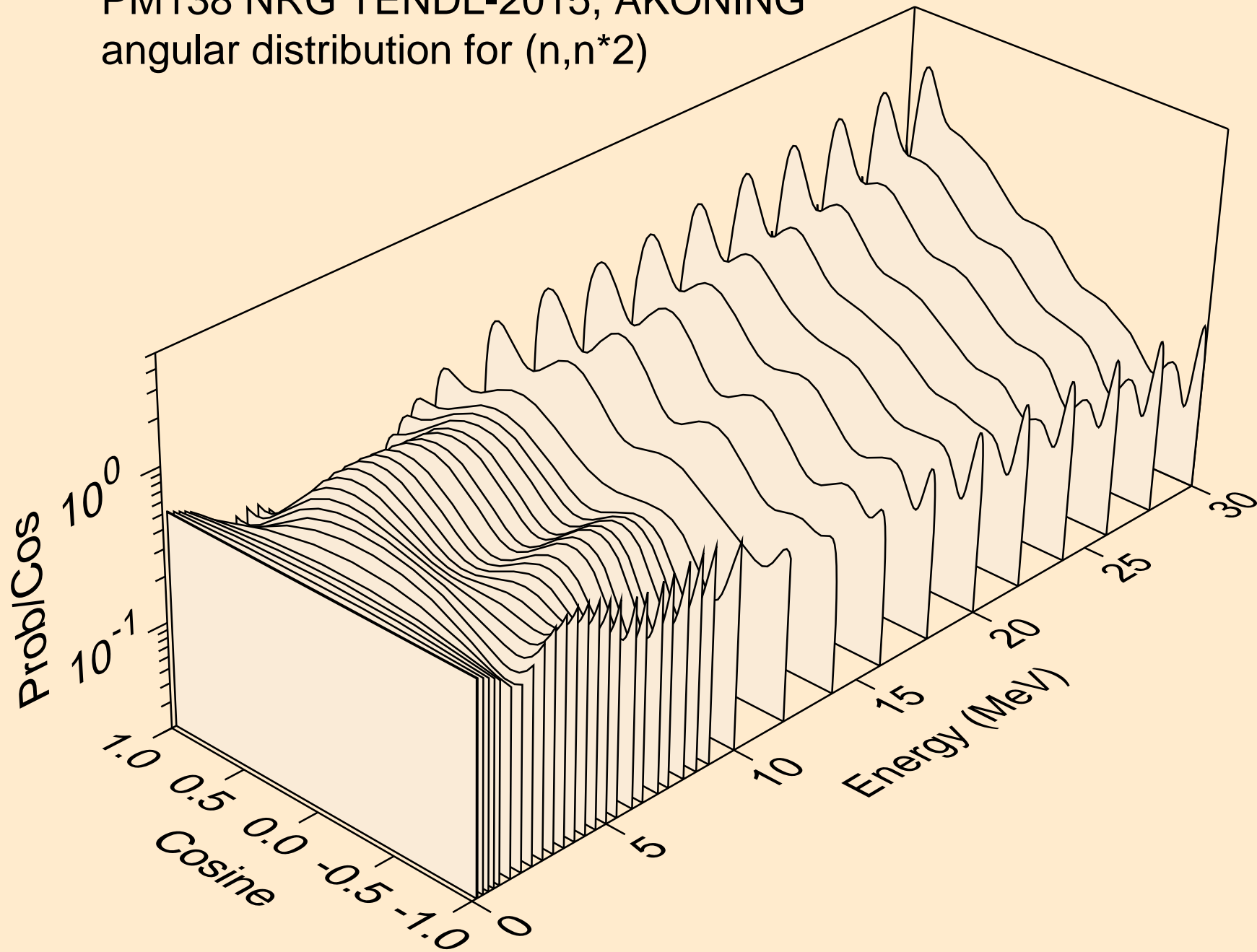
PM138 NRG TENDL-2015, AKONING  
angular distribution for elastic



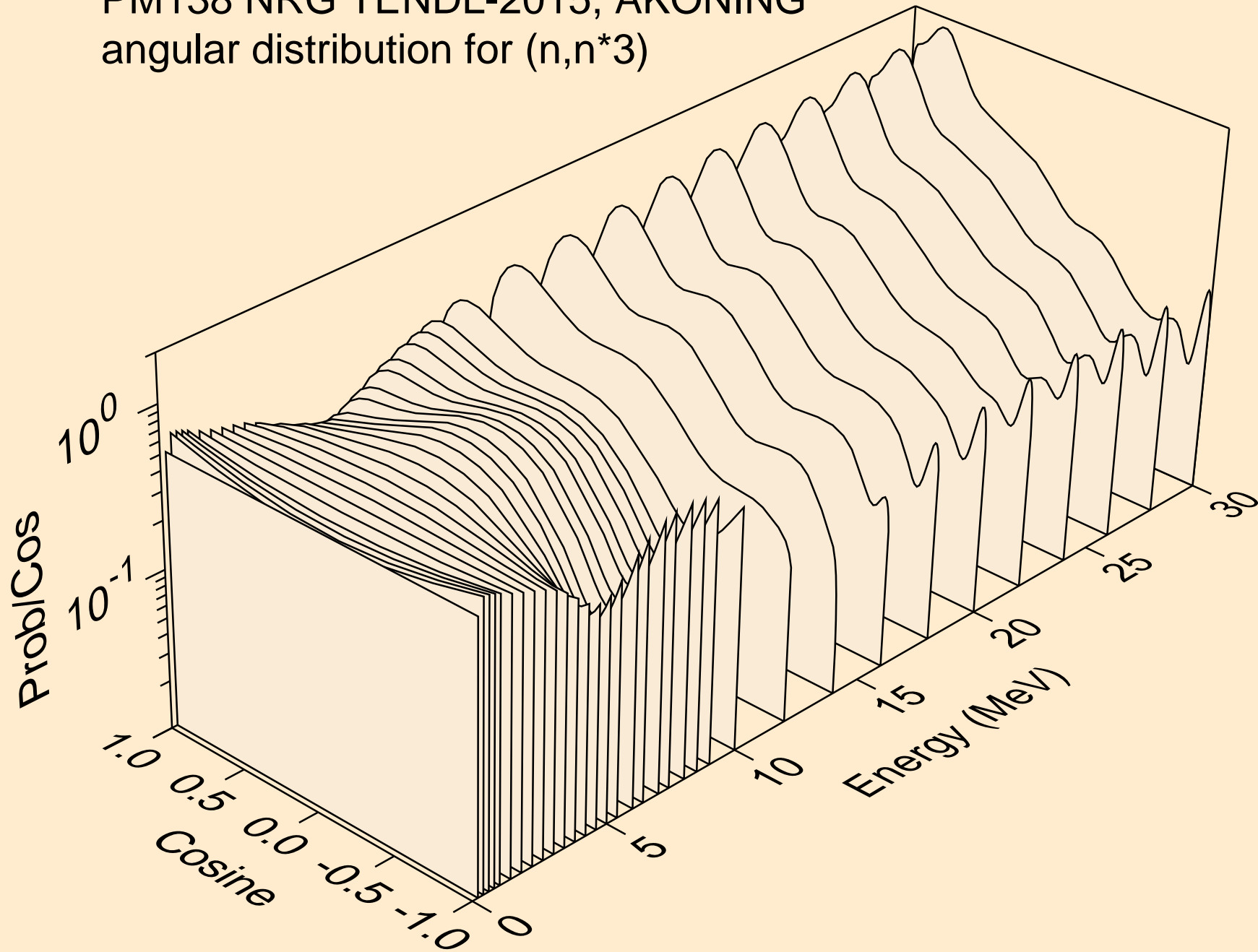
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



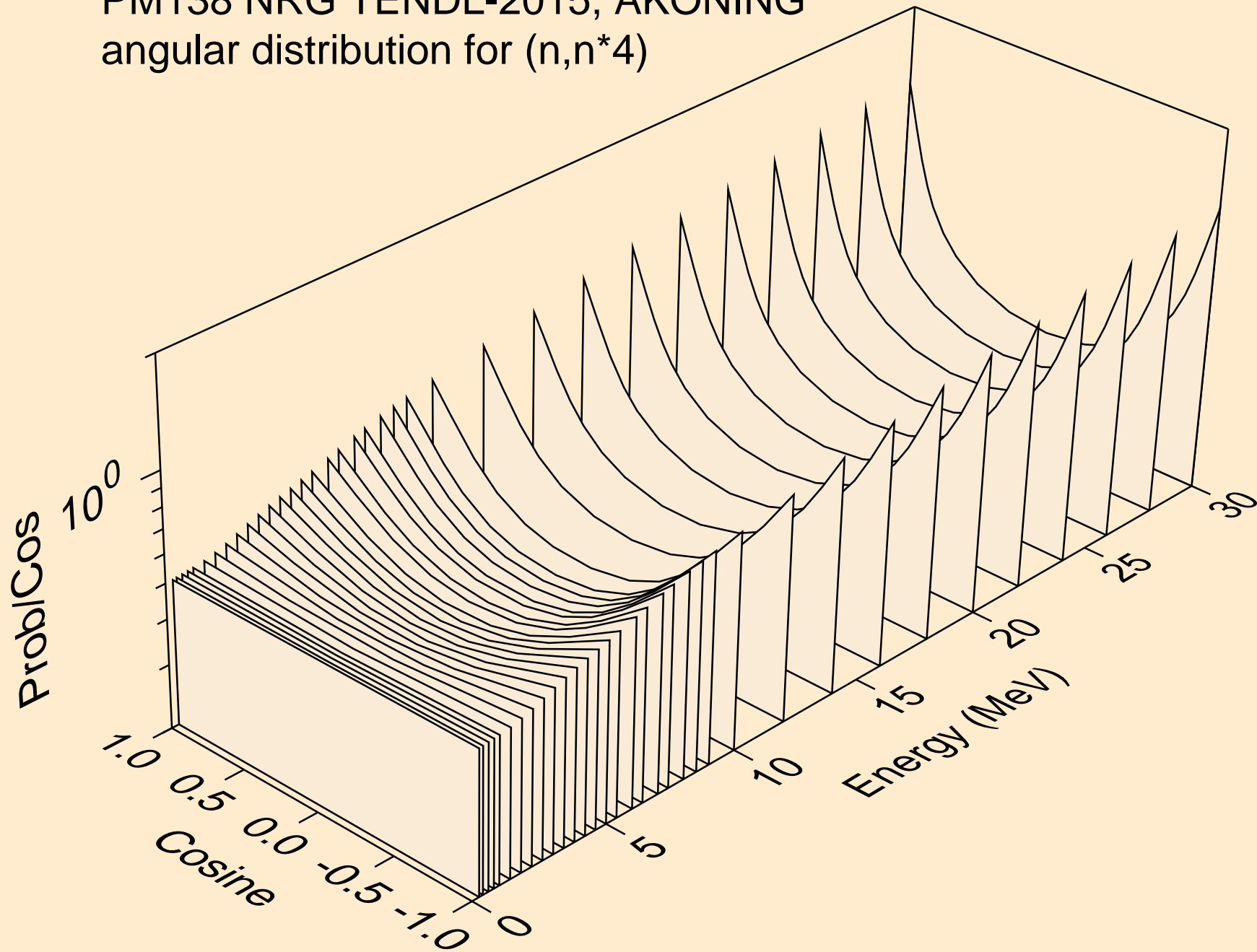
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



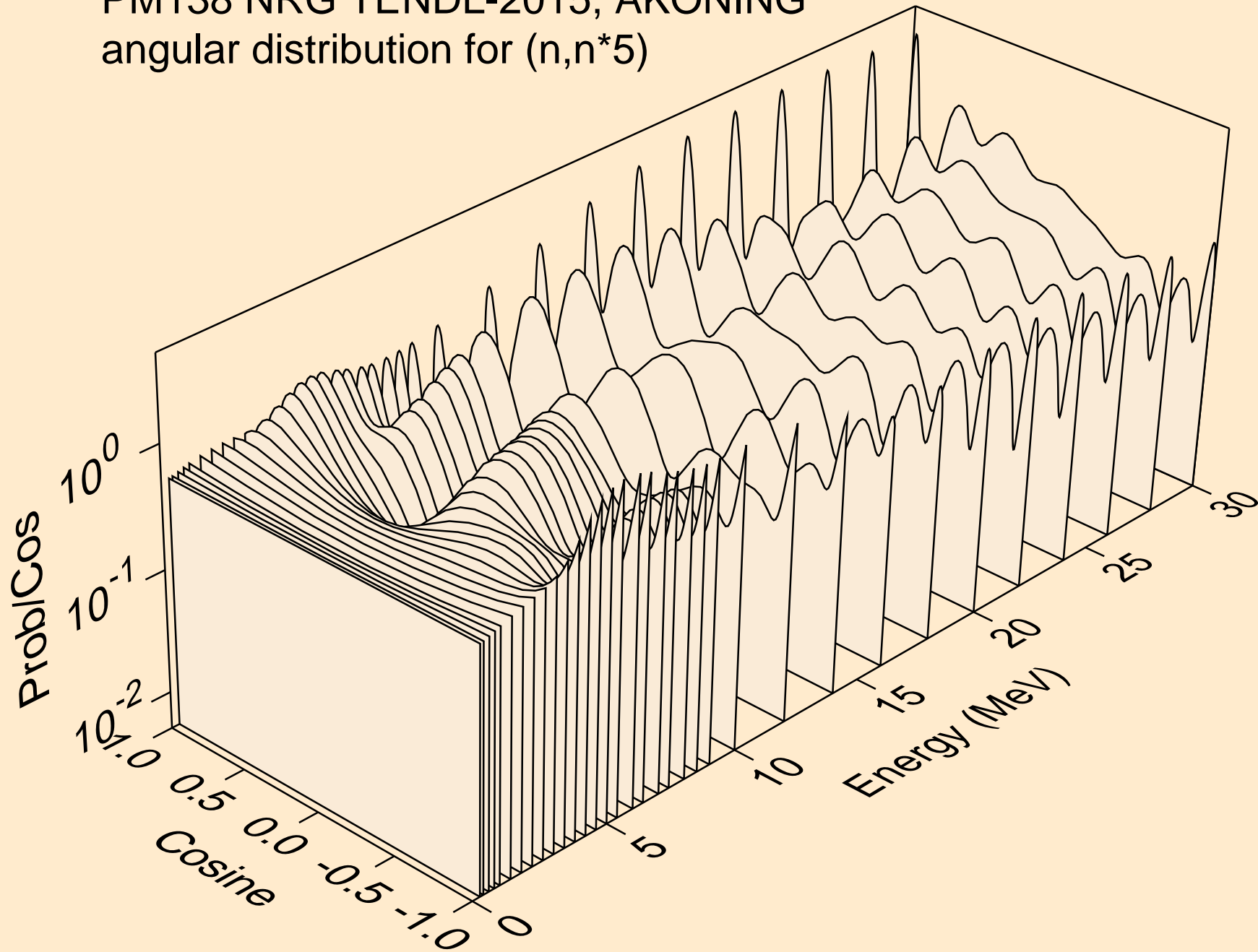
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



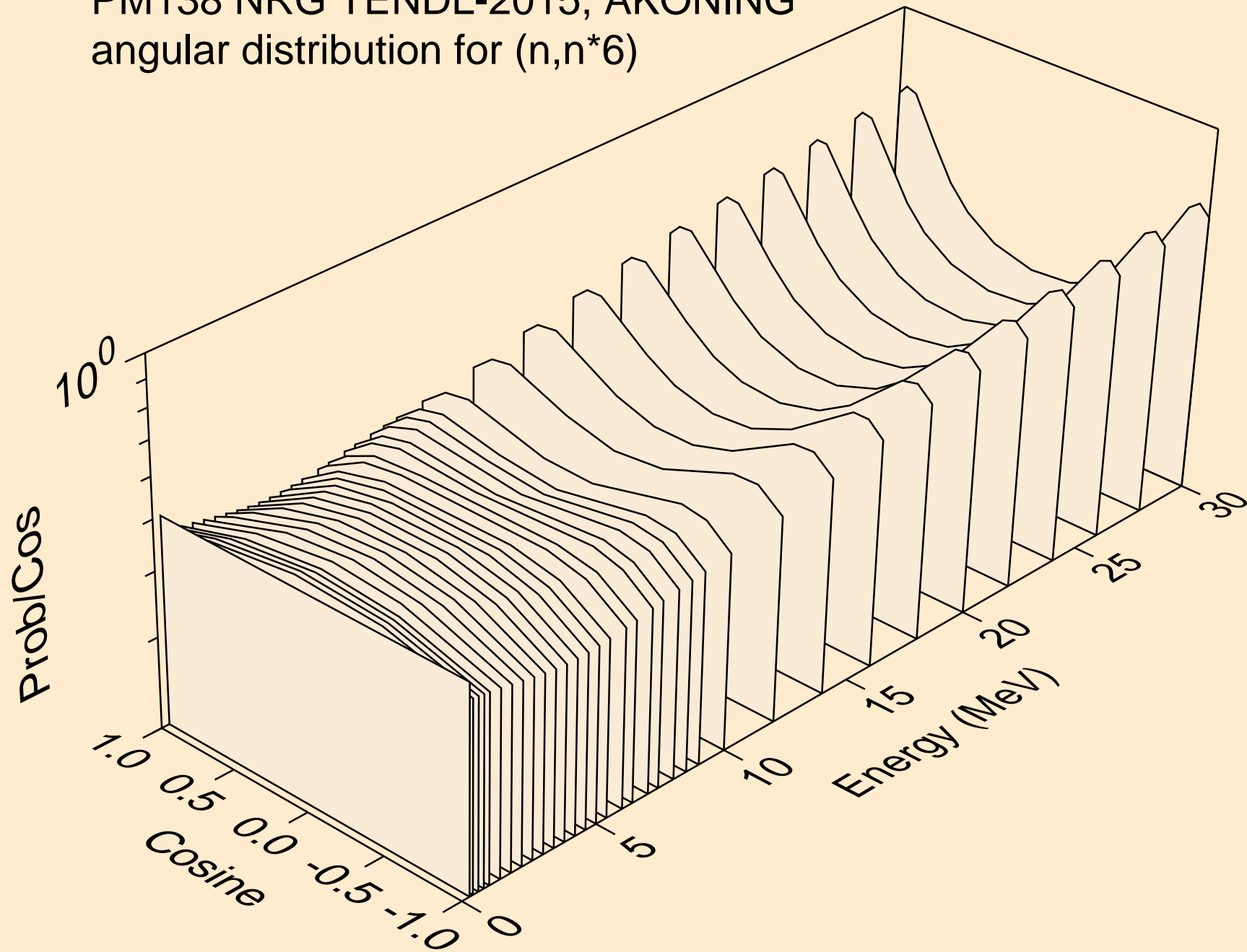
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

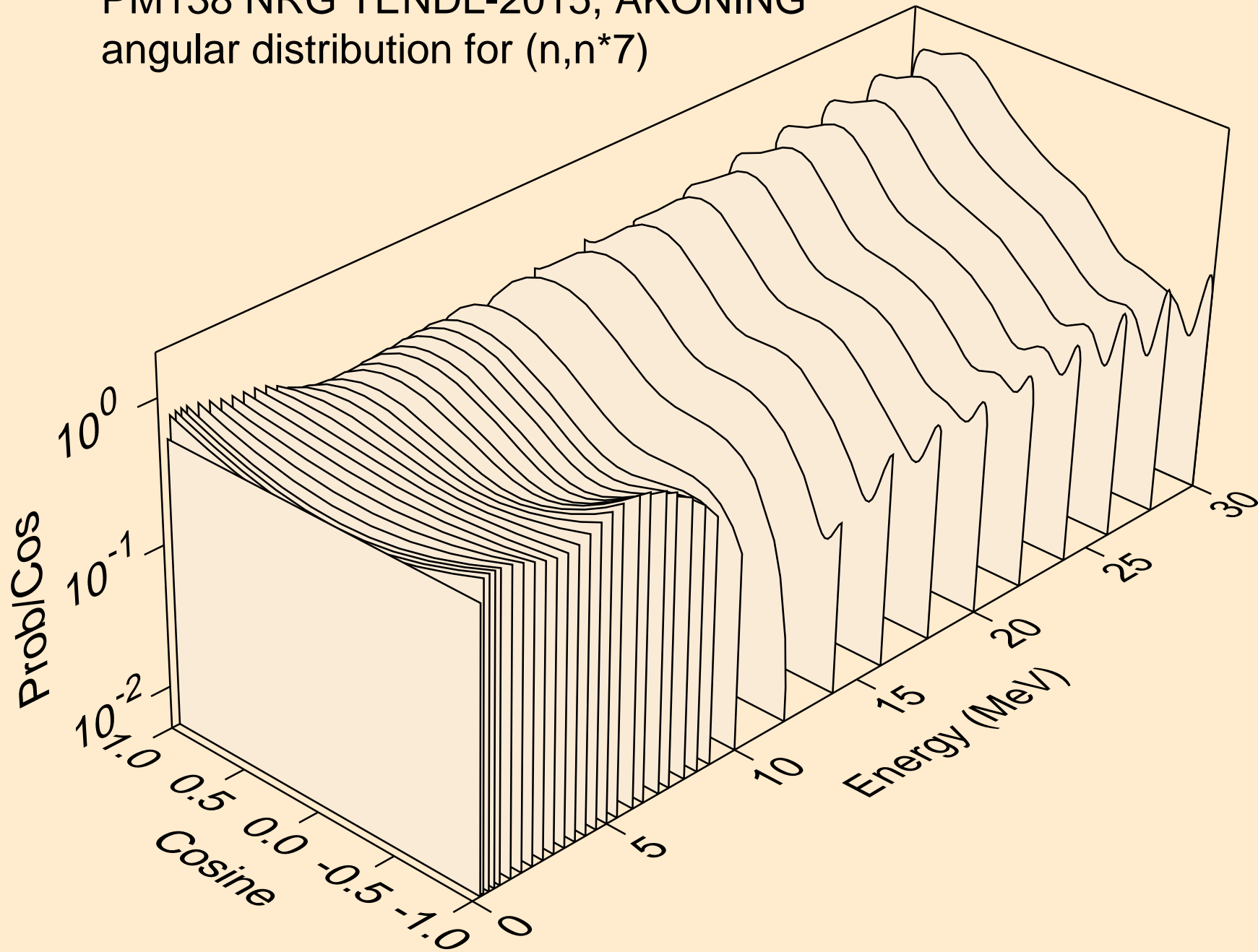


PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

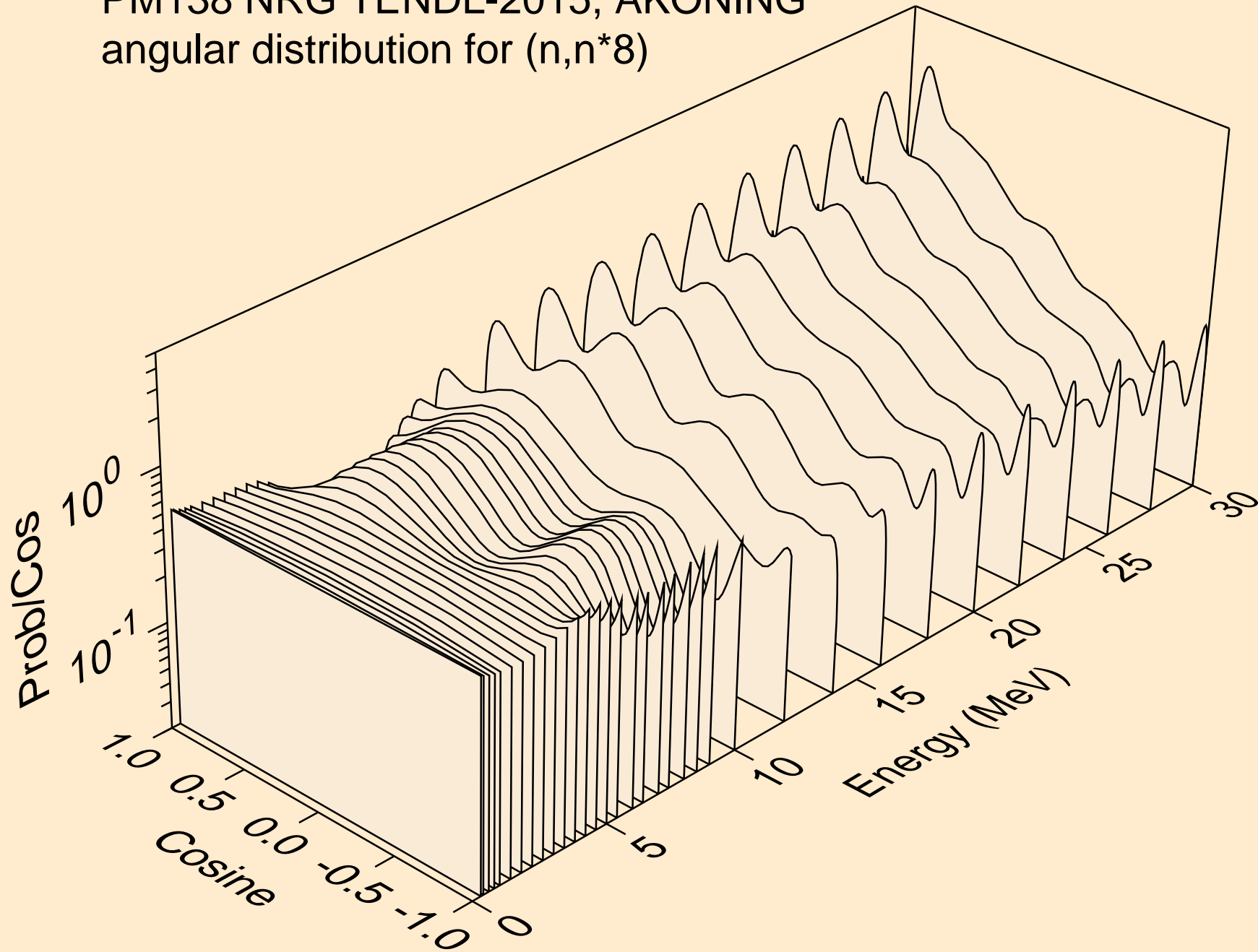




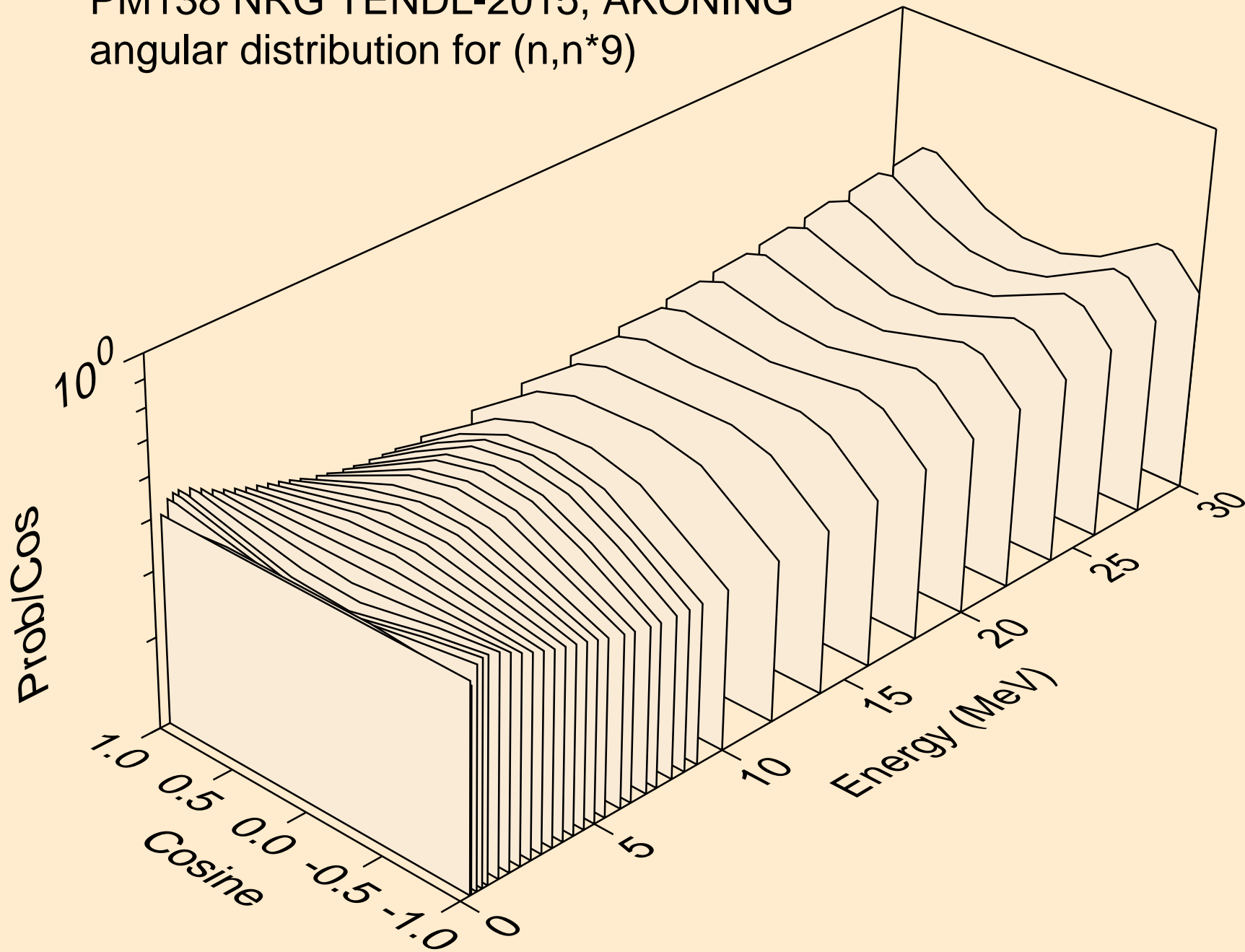
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



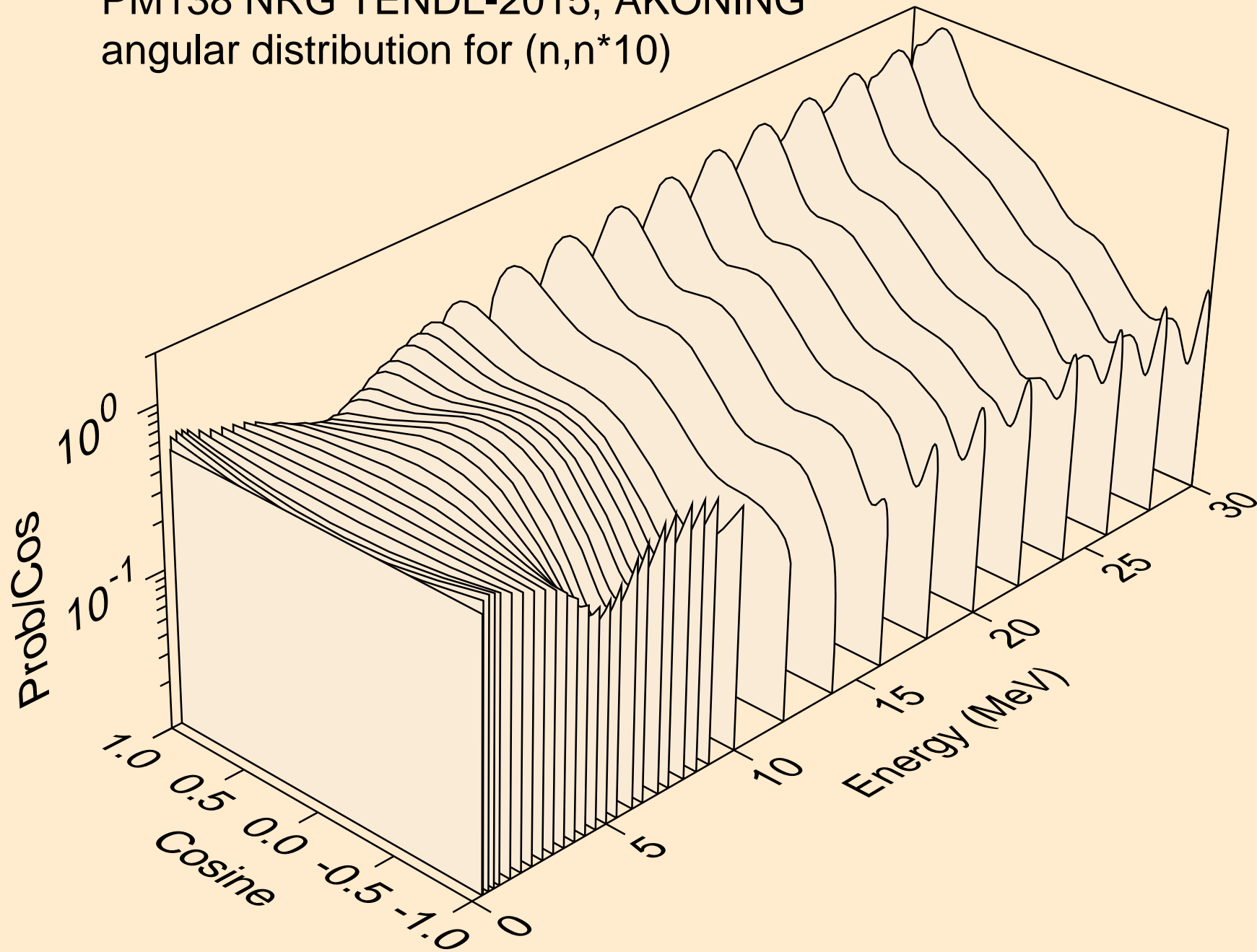
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



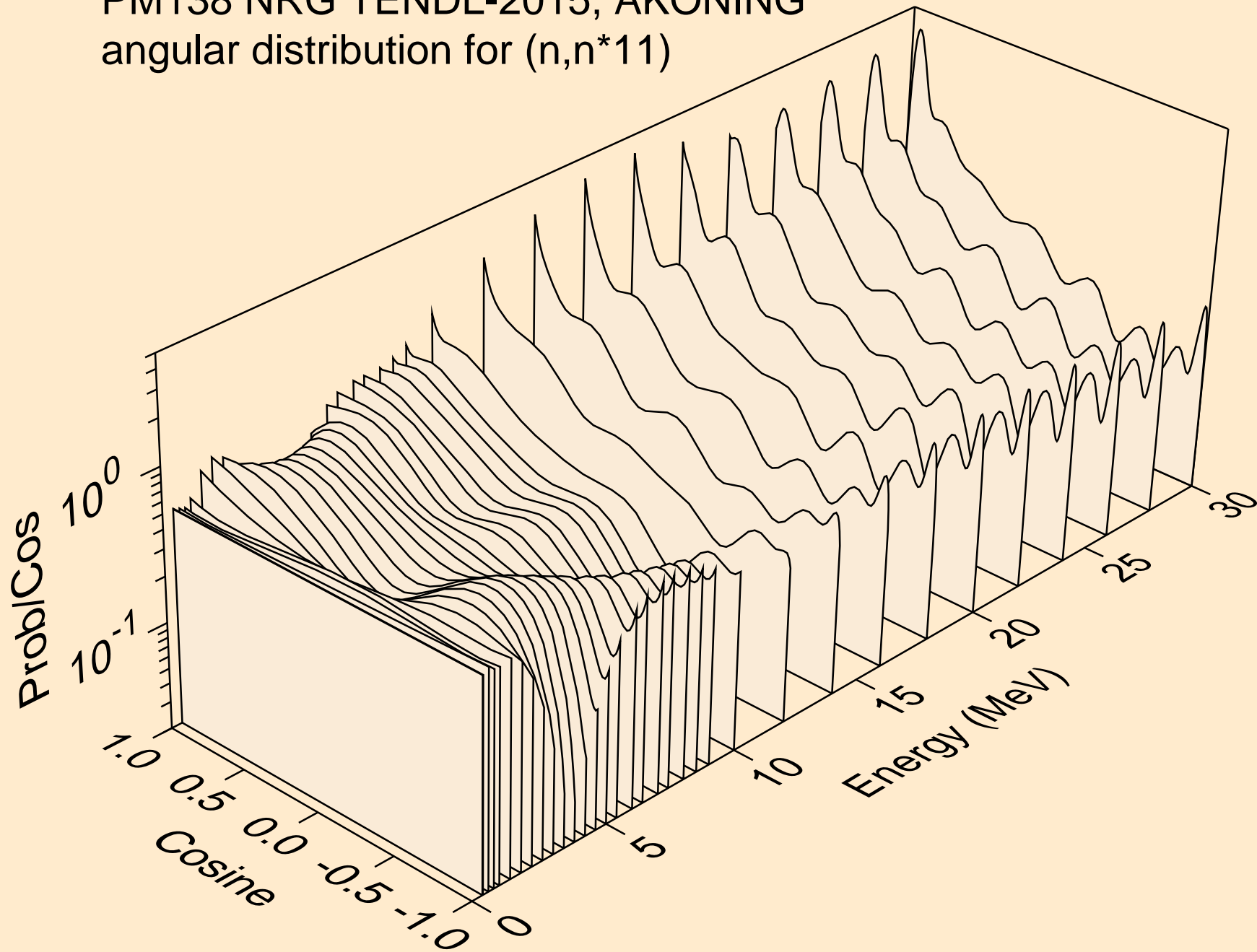
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



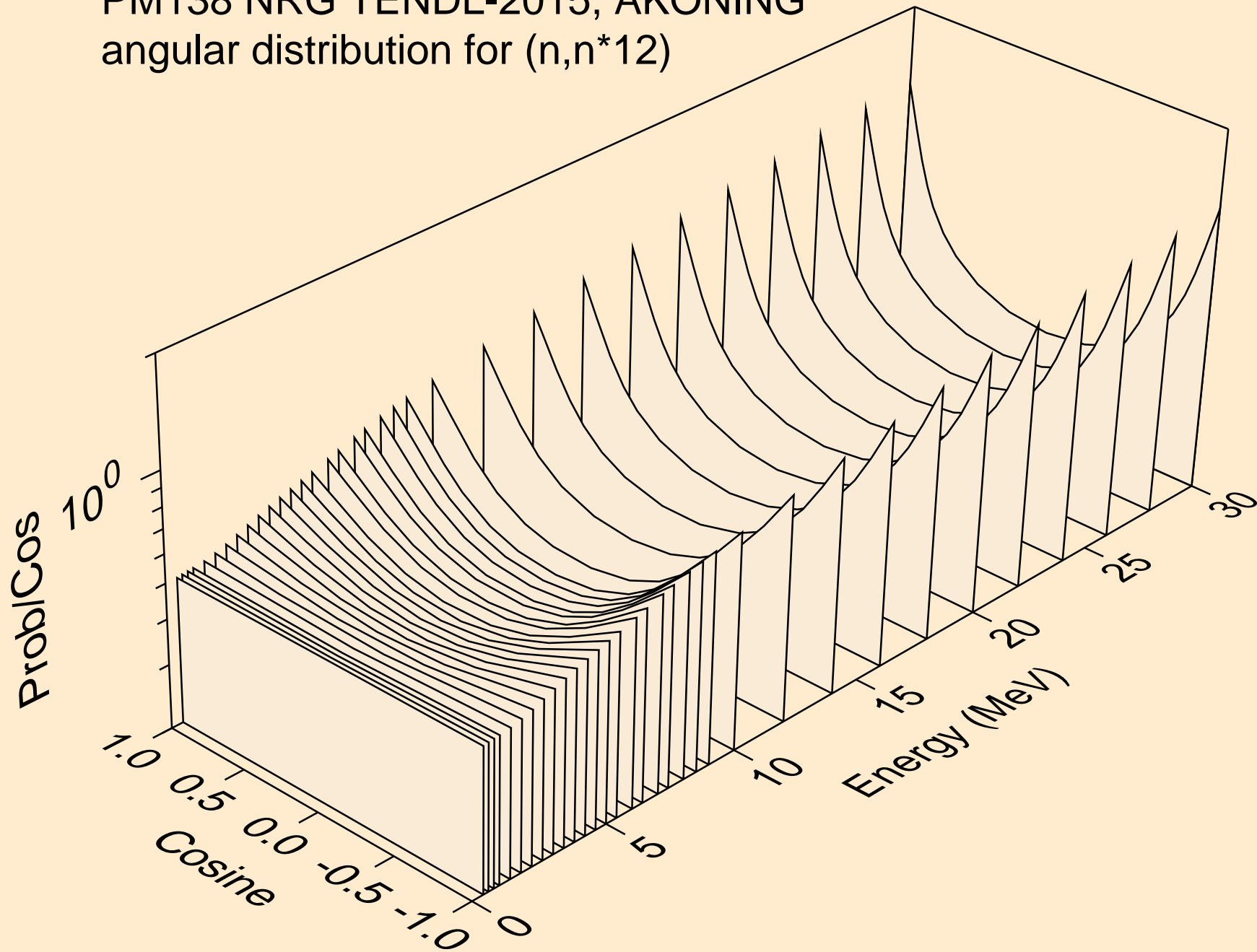
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



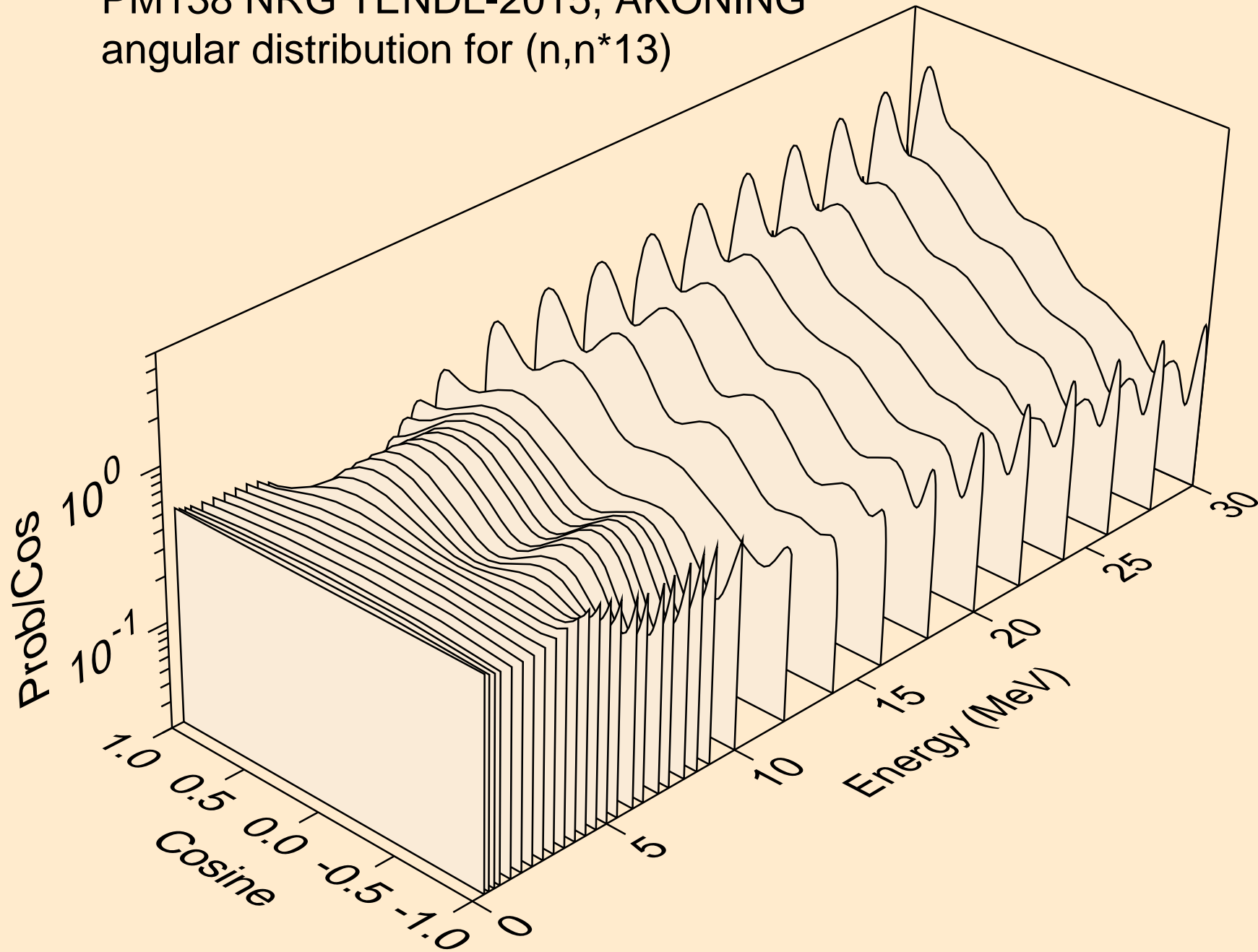
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



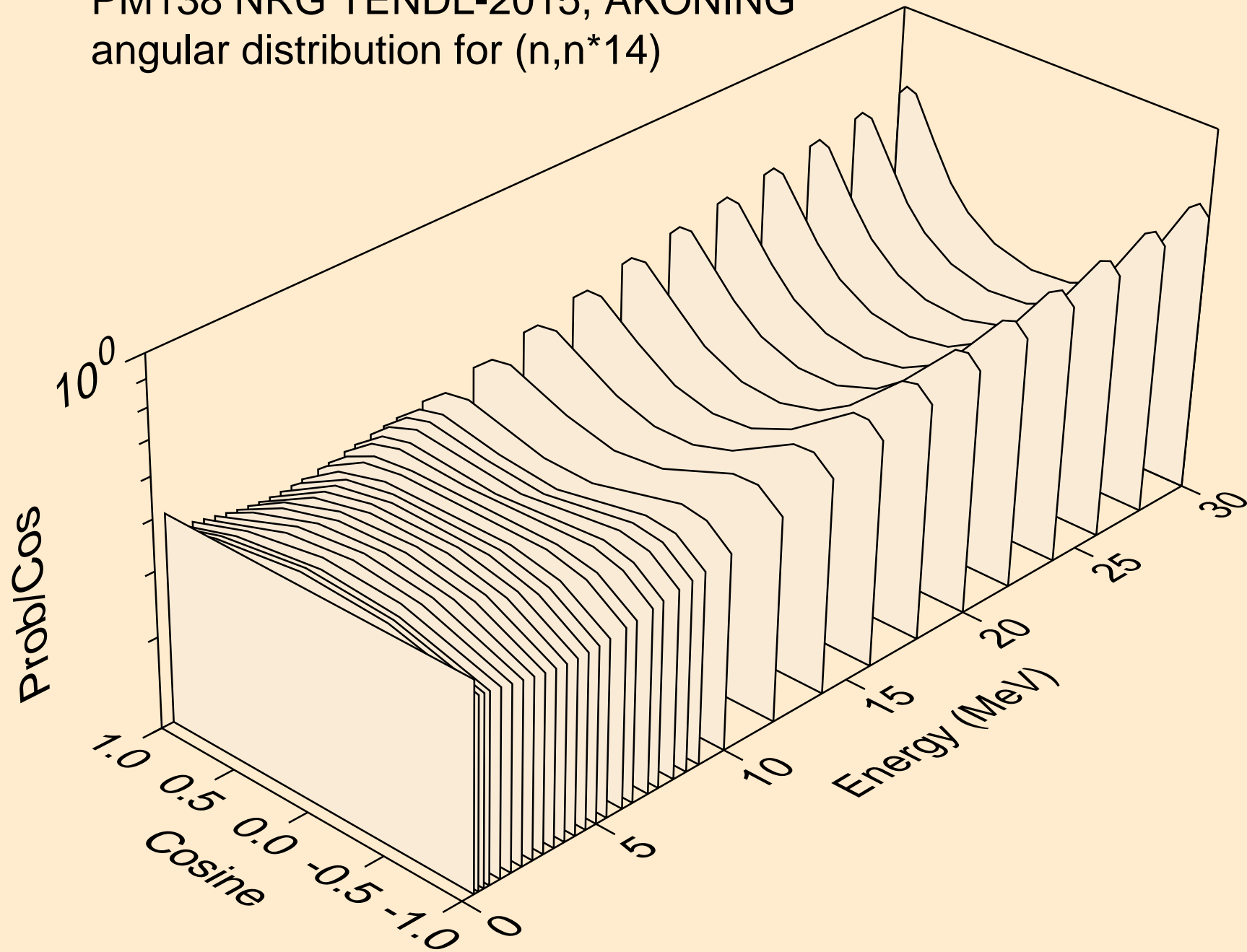
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

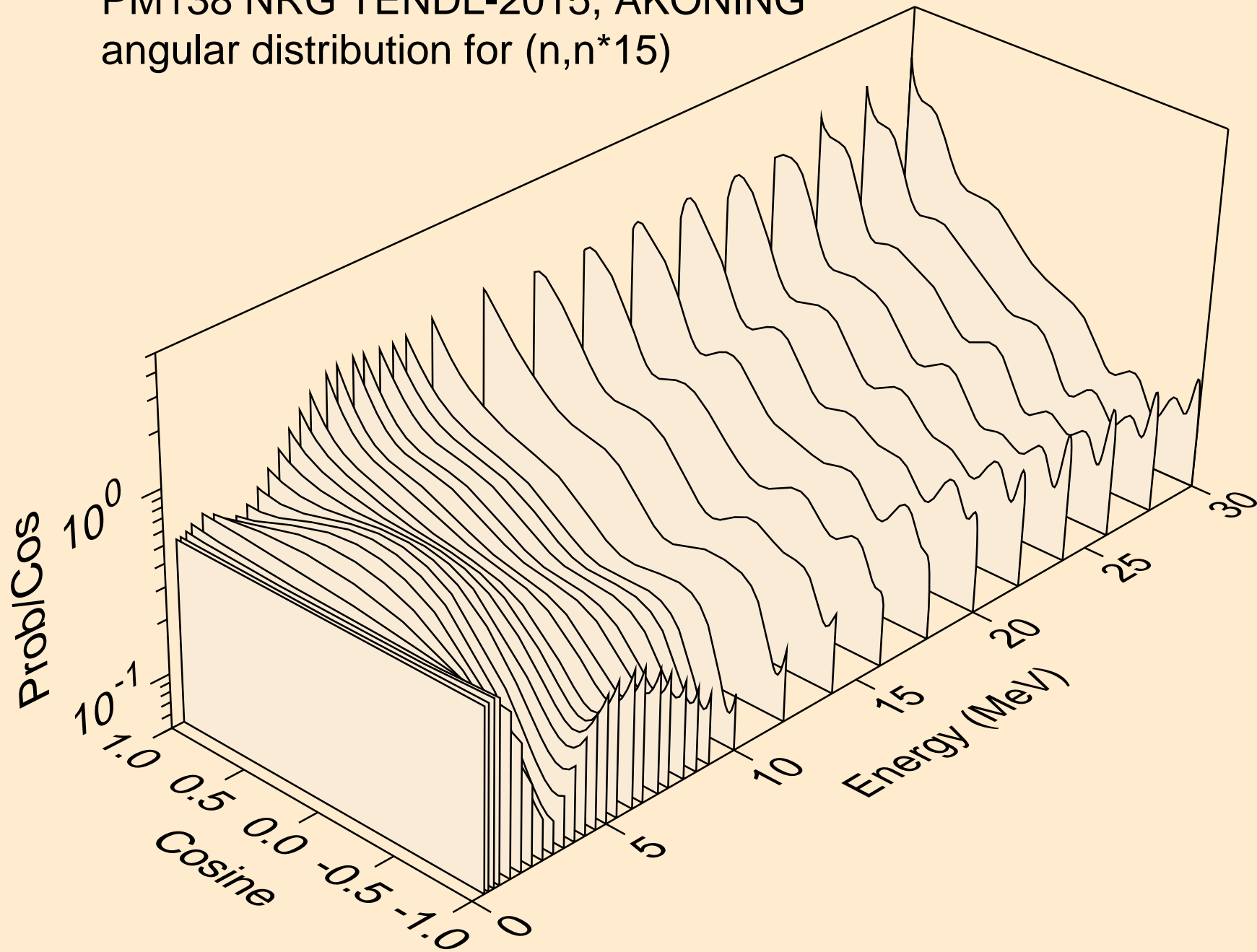


PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

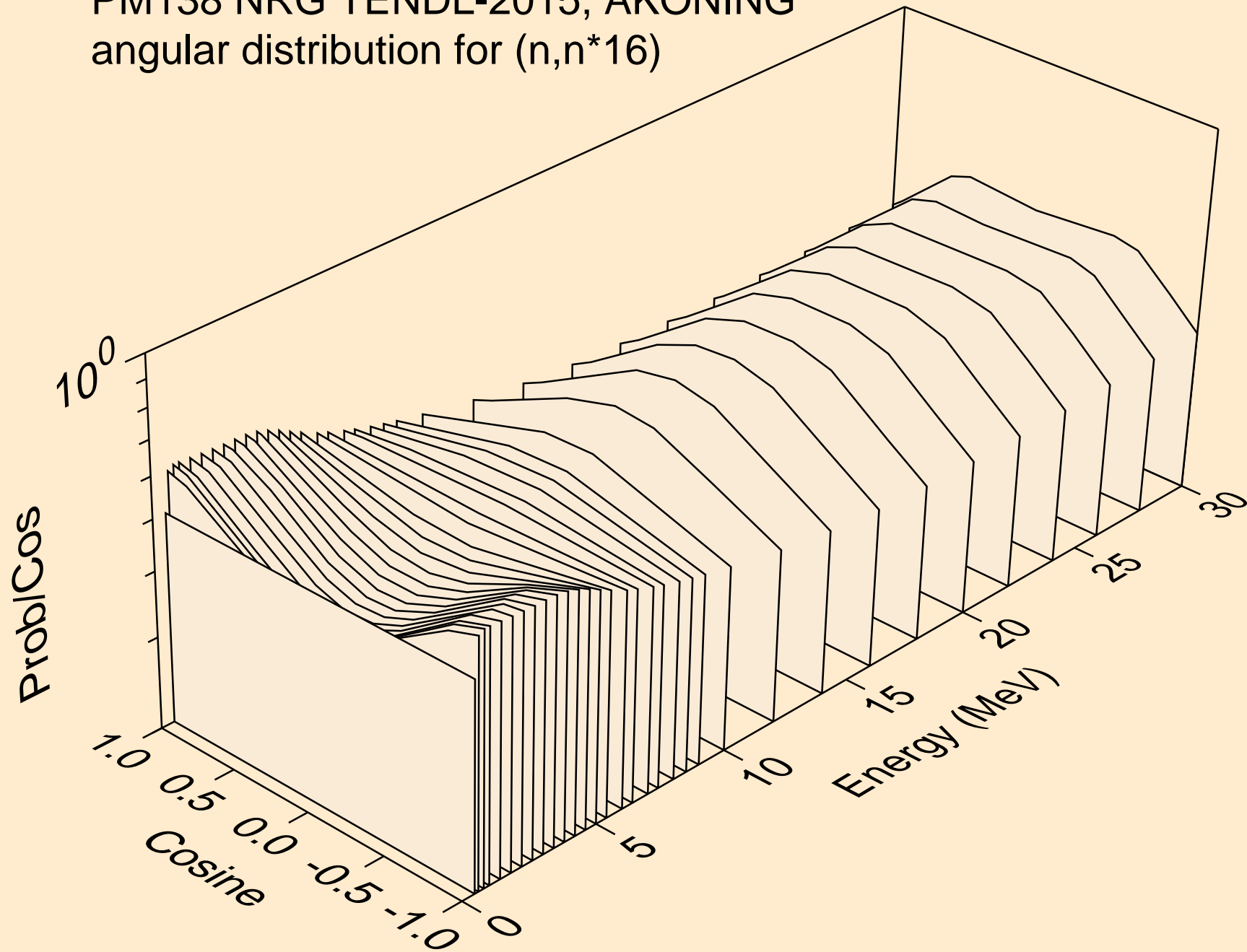




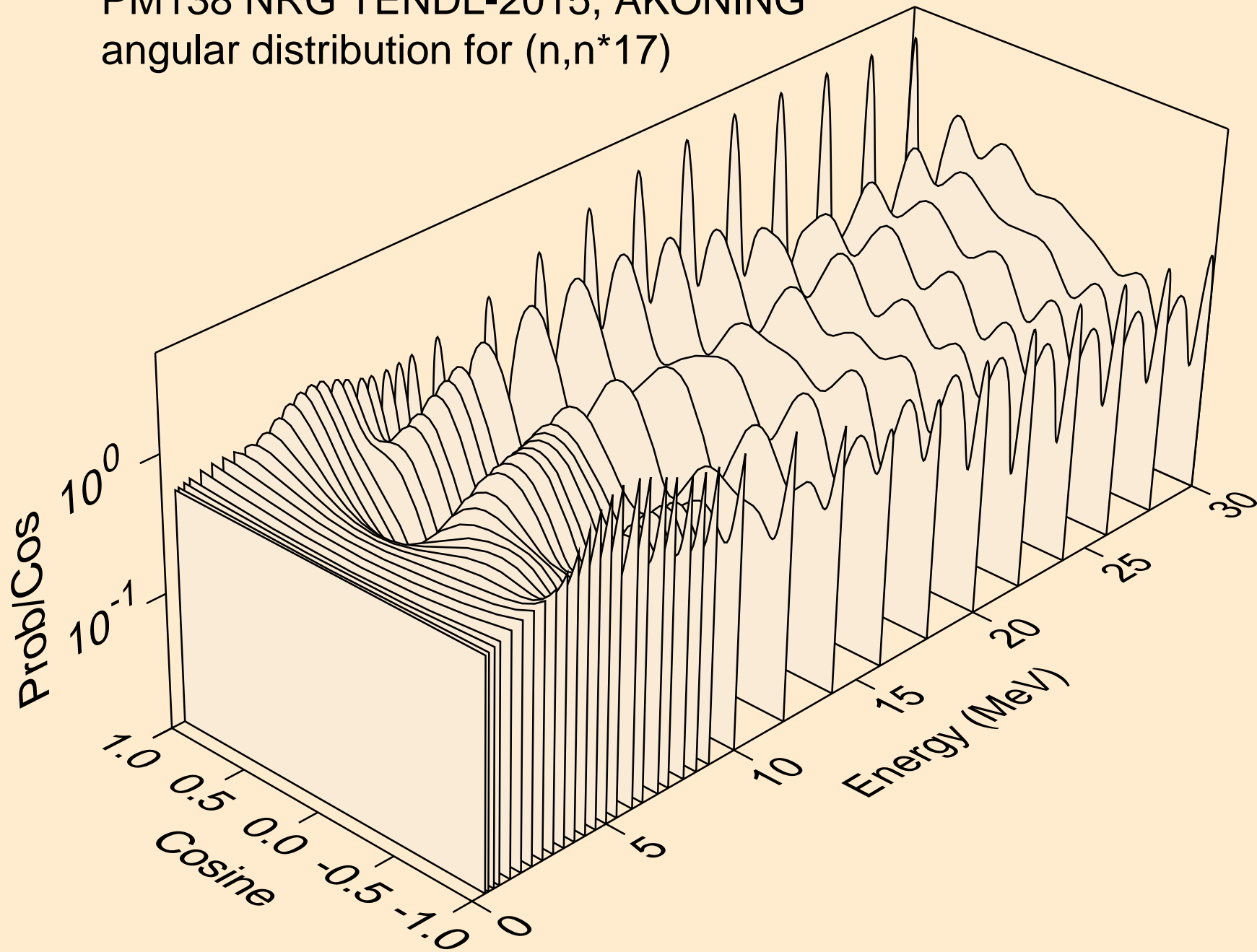
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



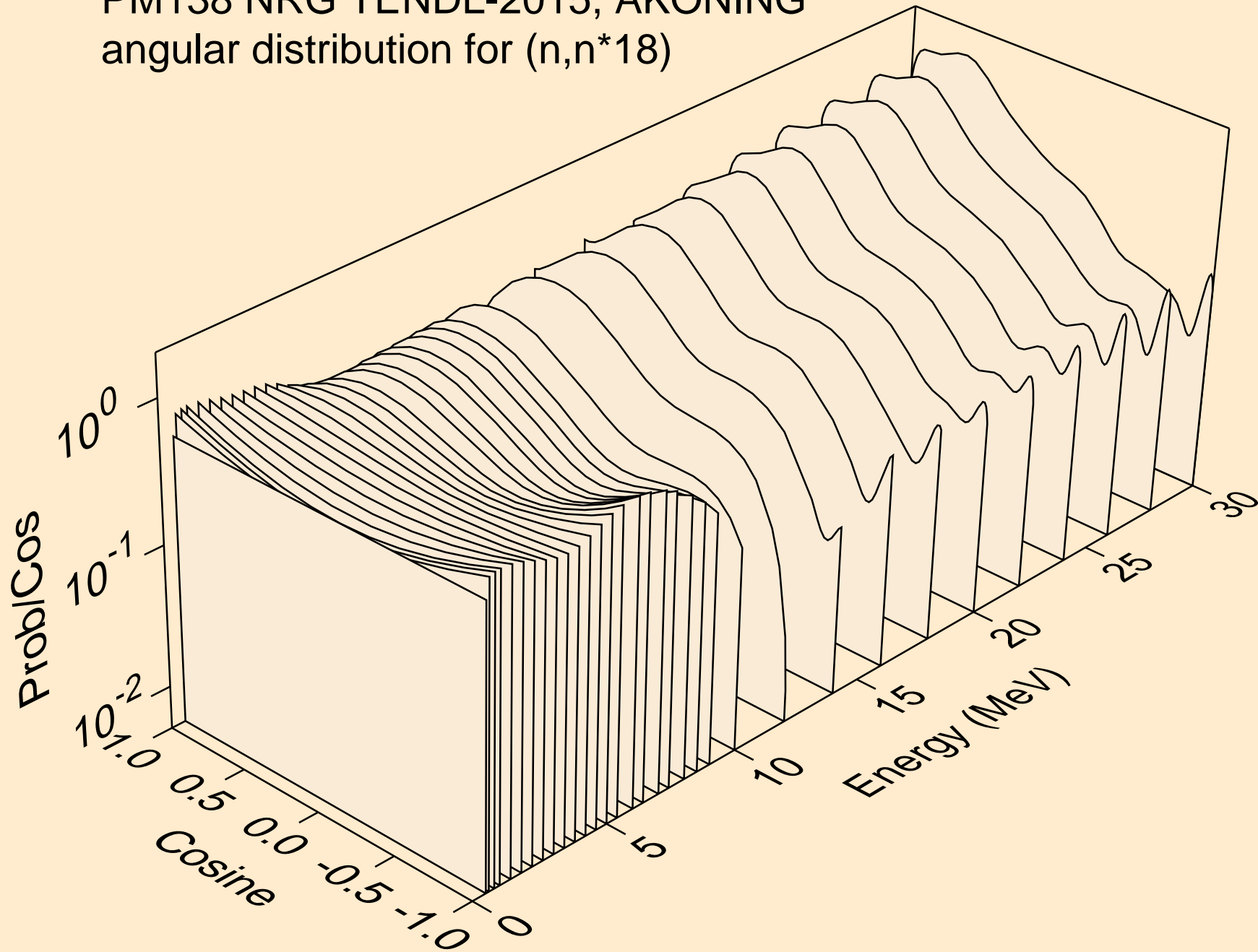
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



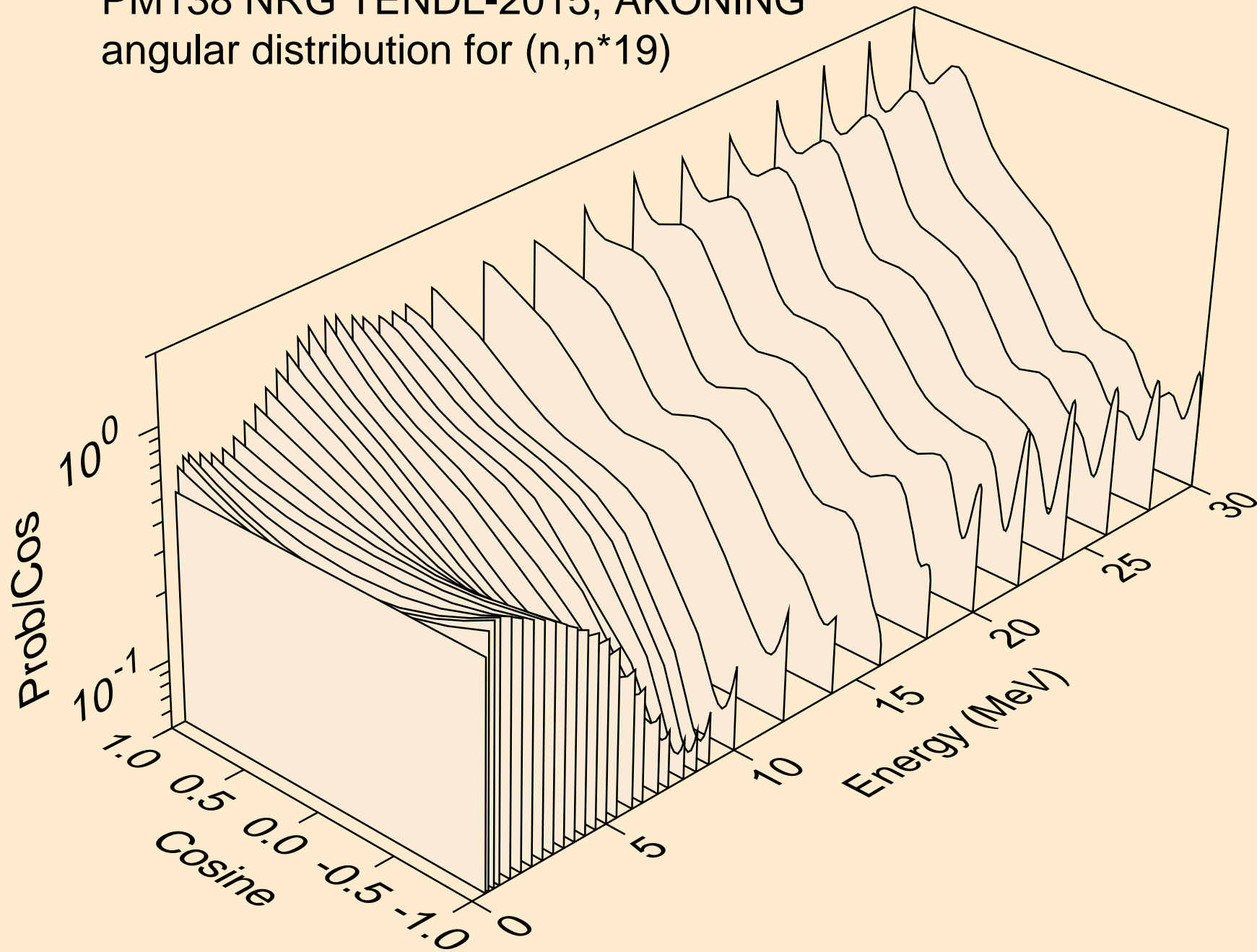
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



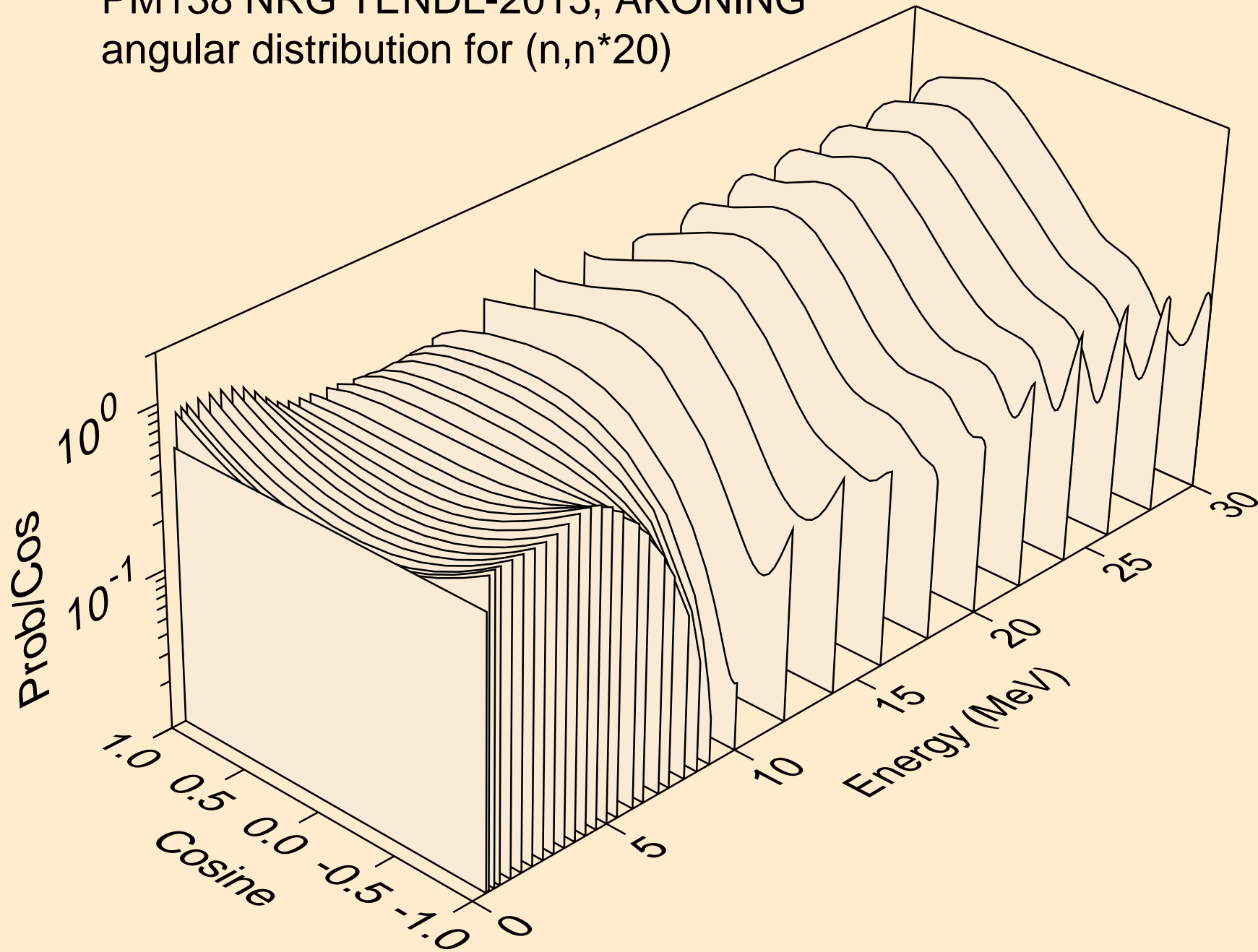
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



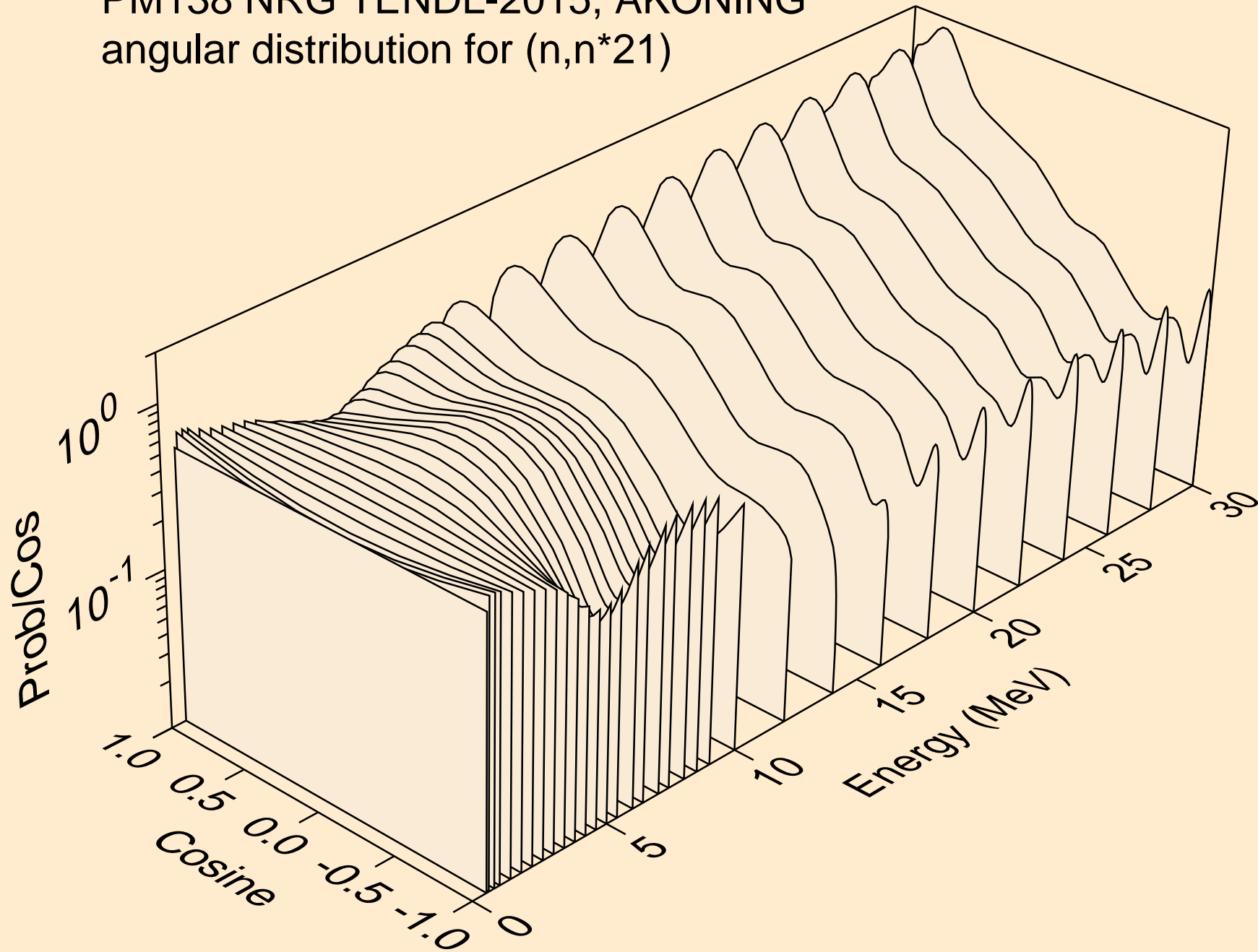
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



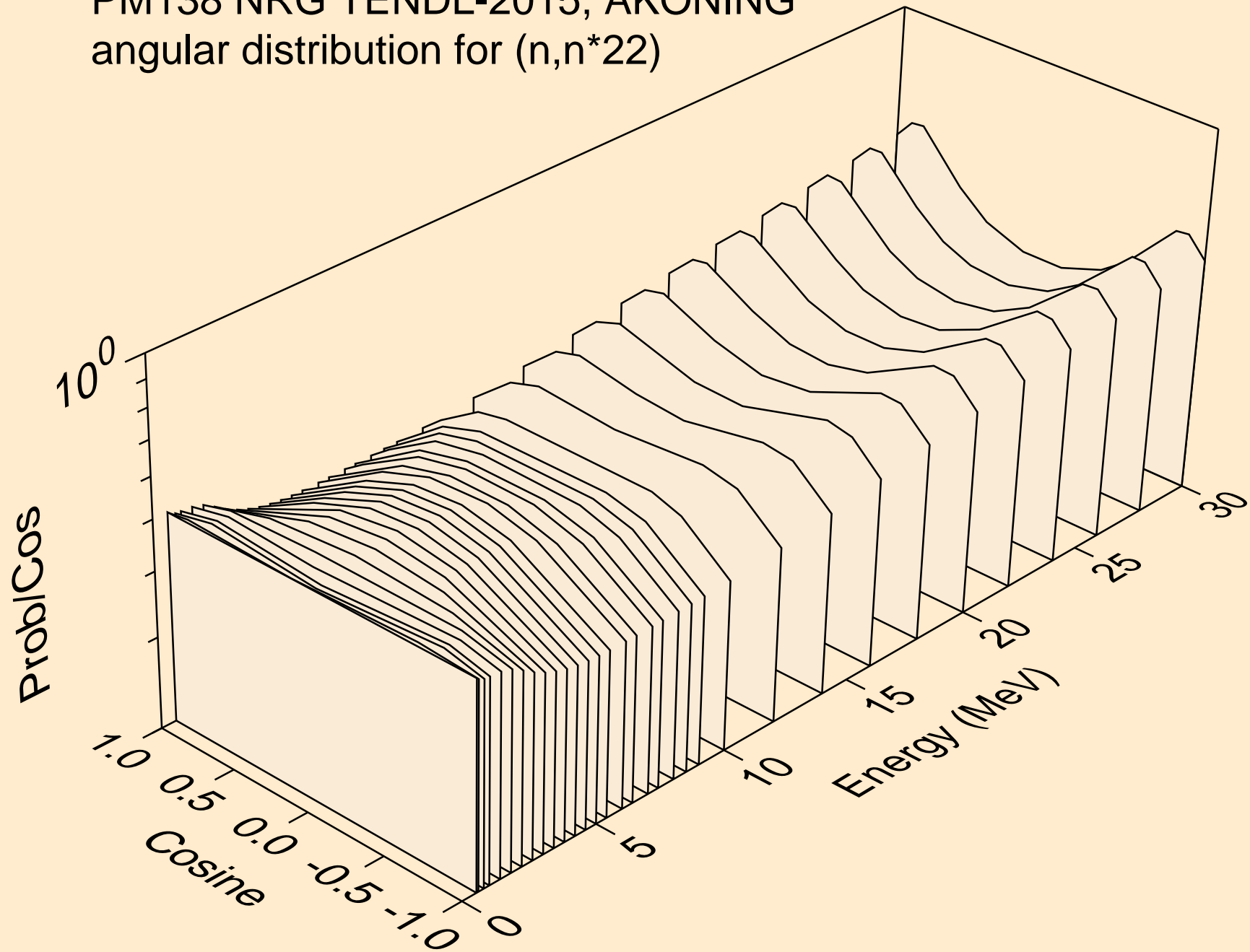
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

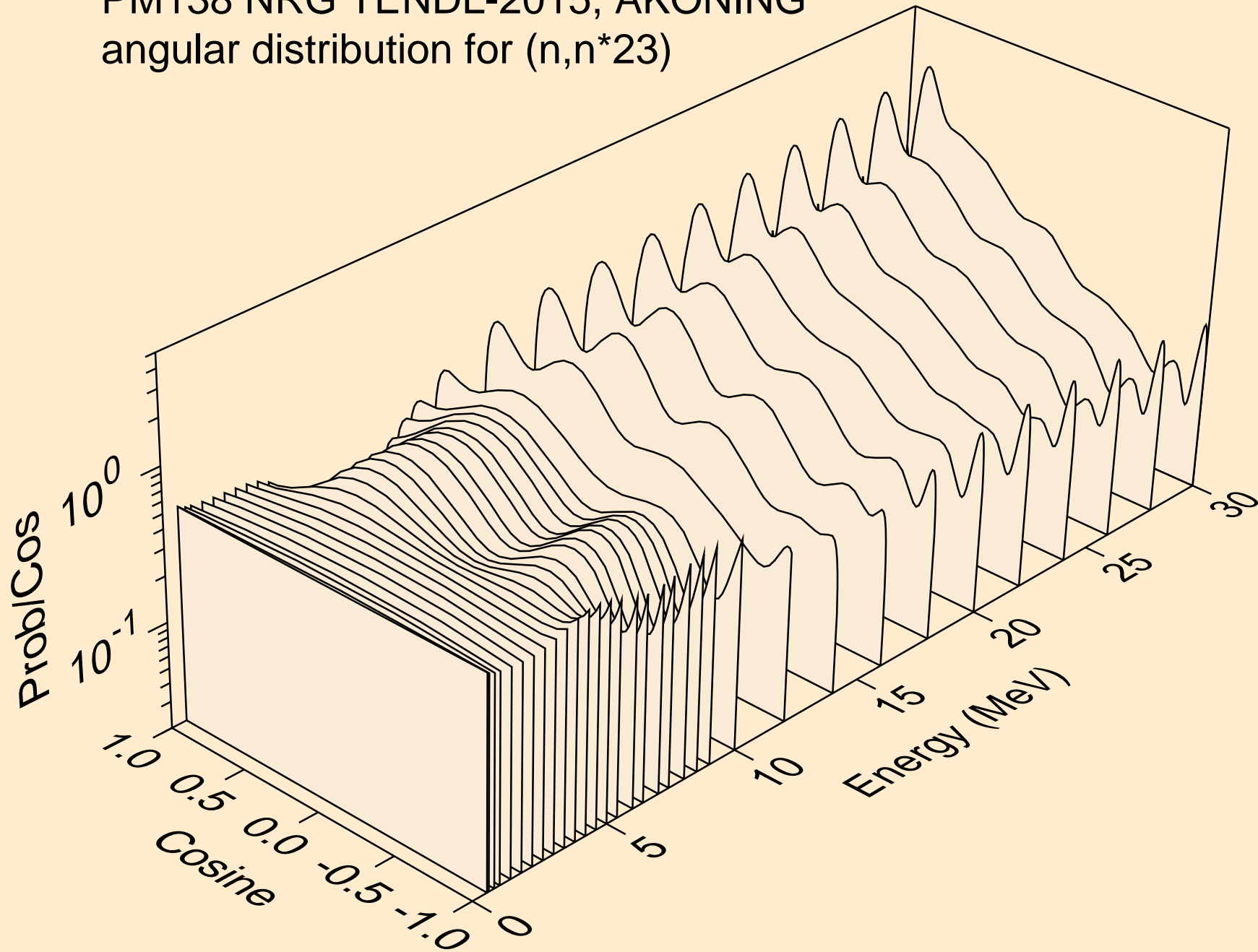


PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

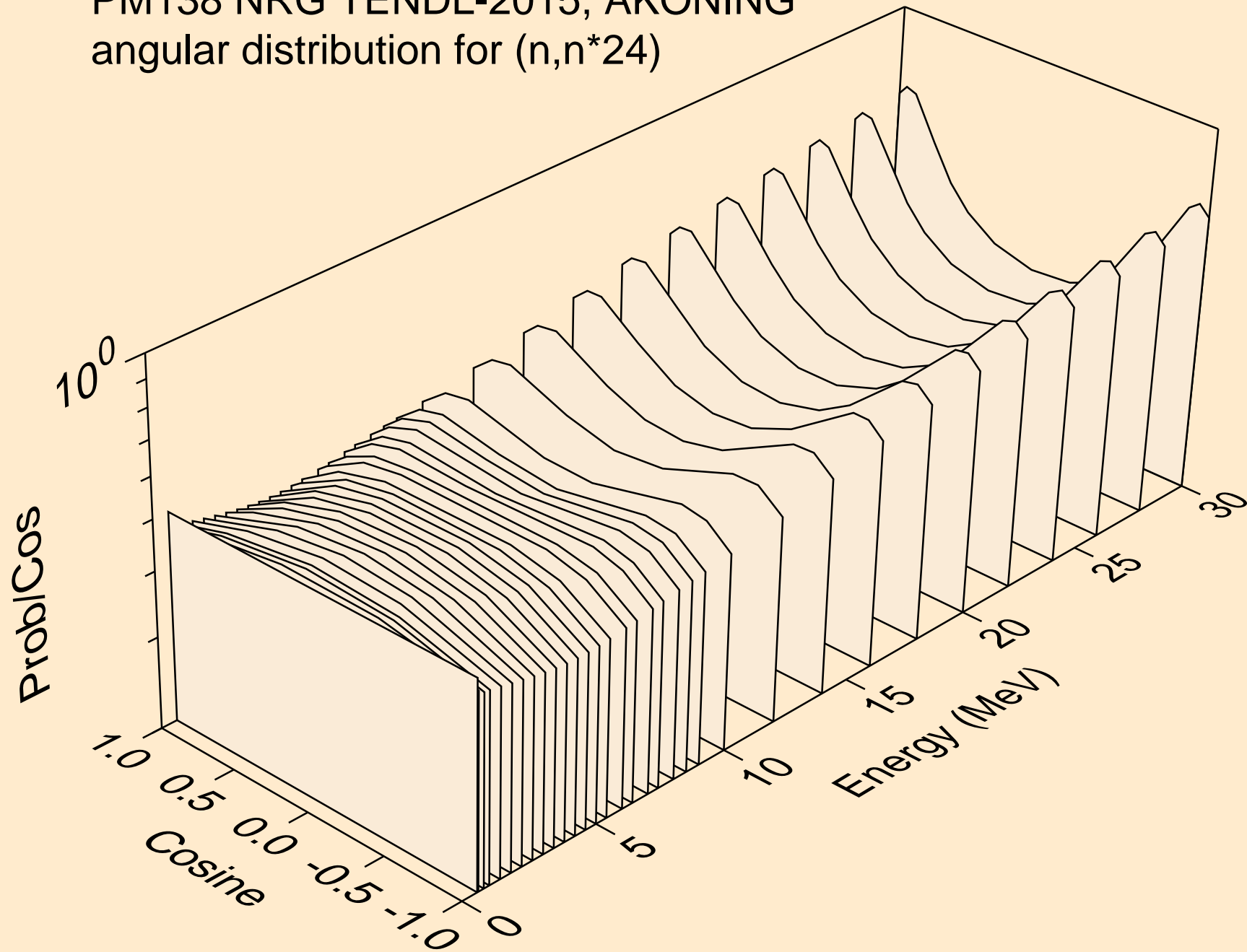




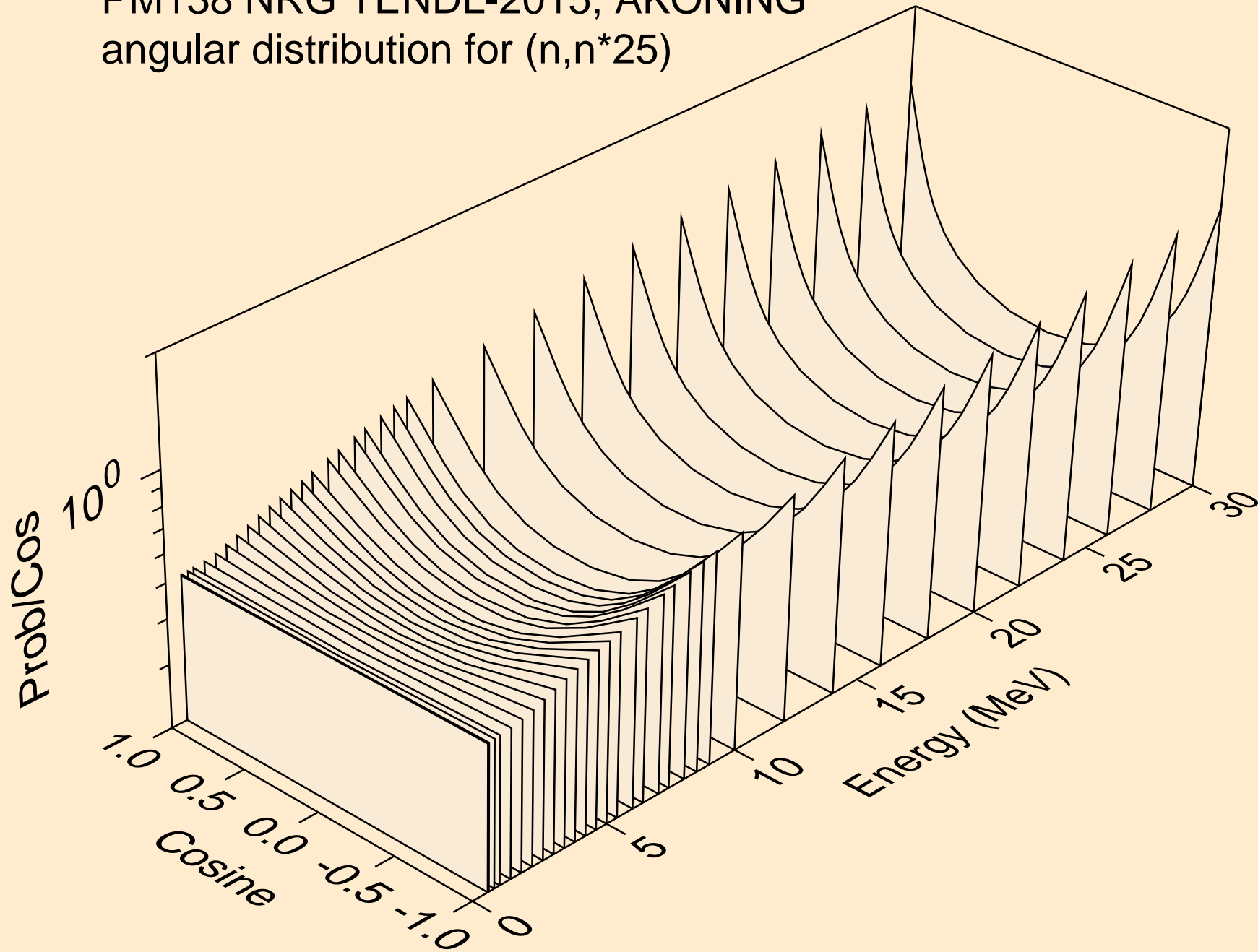
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



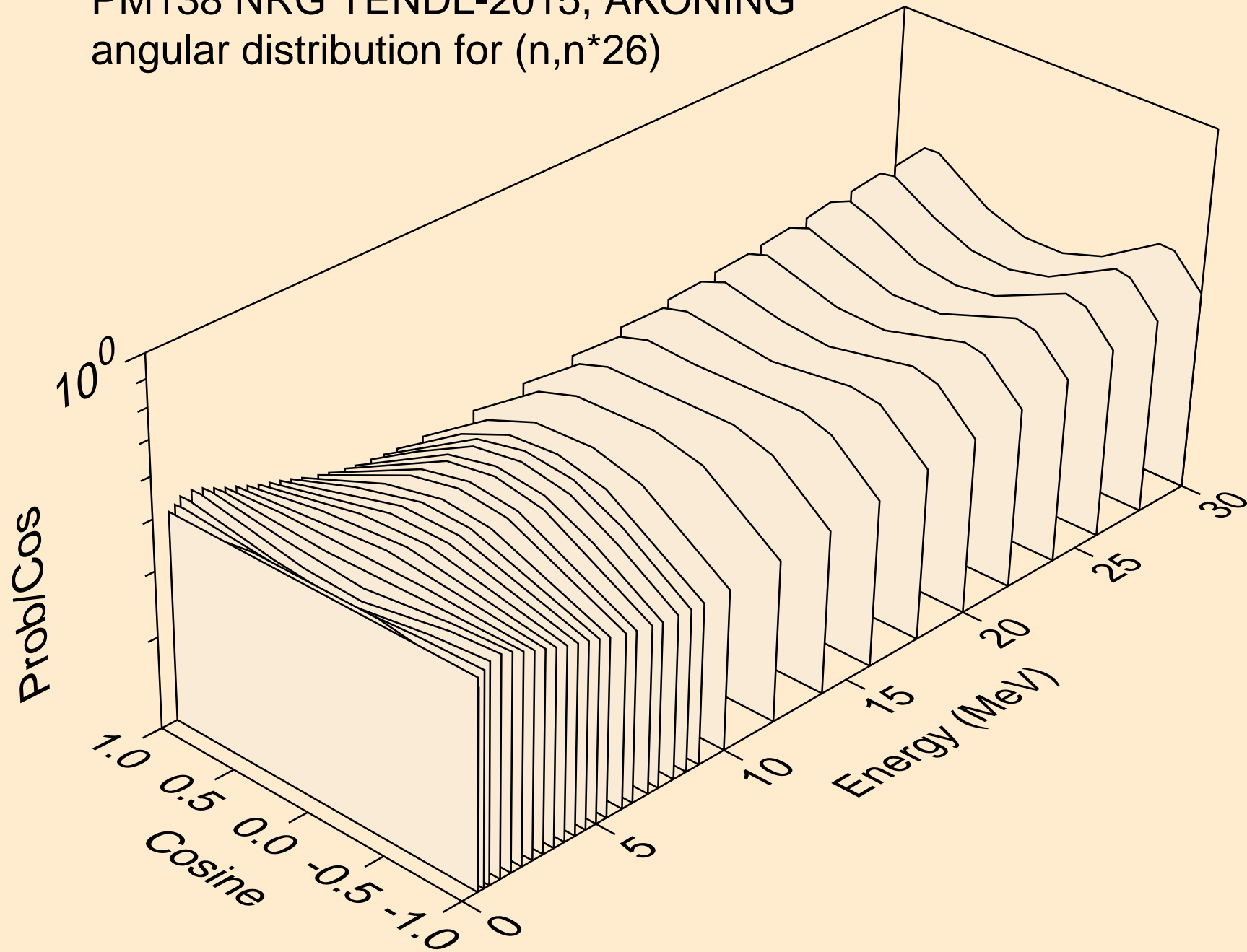
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



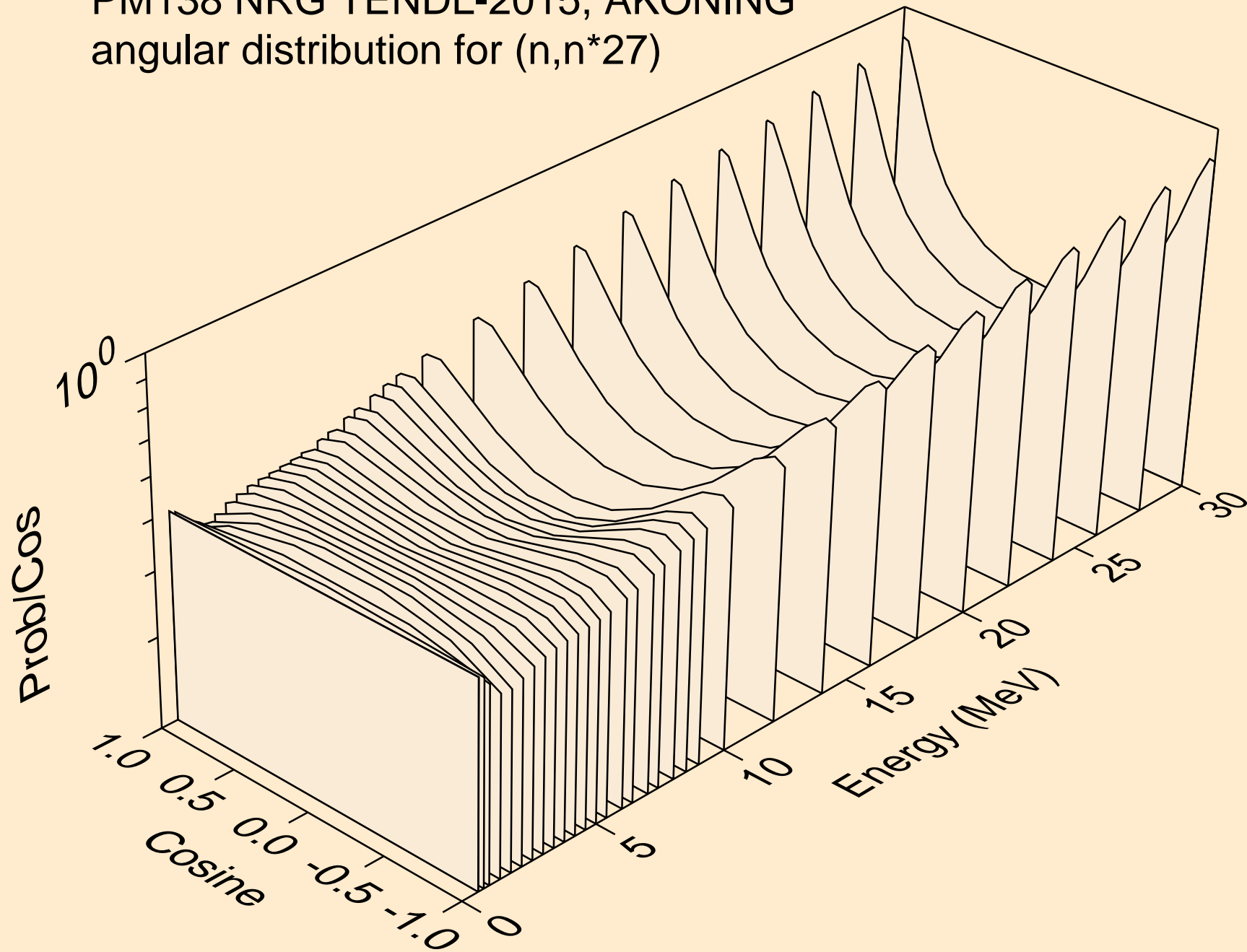
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



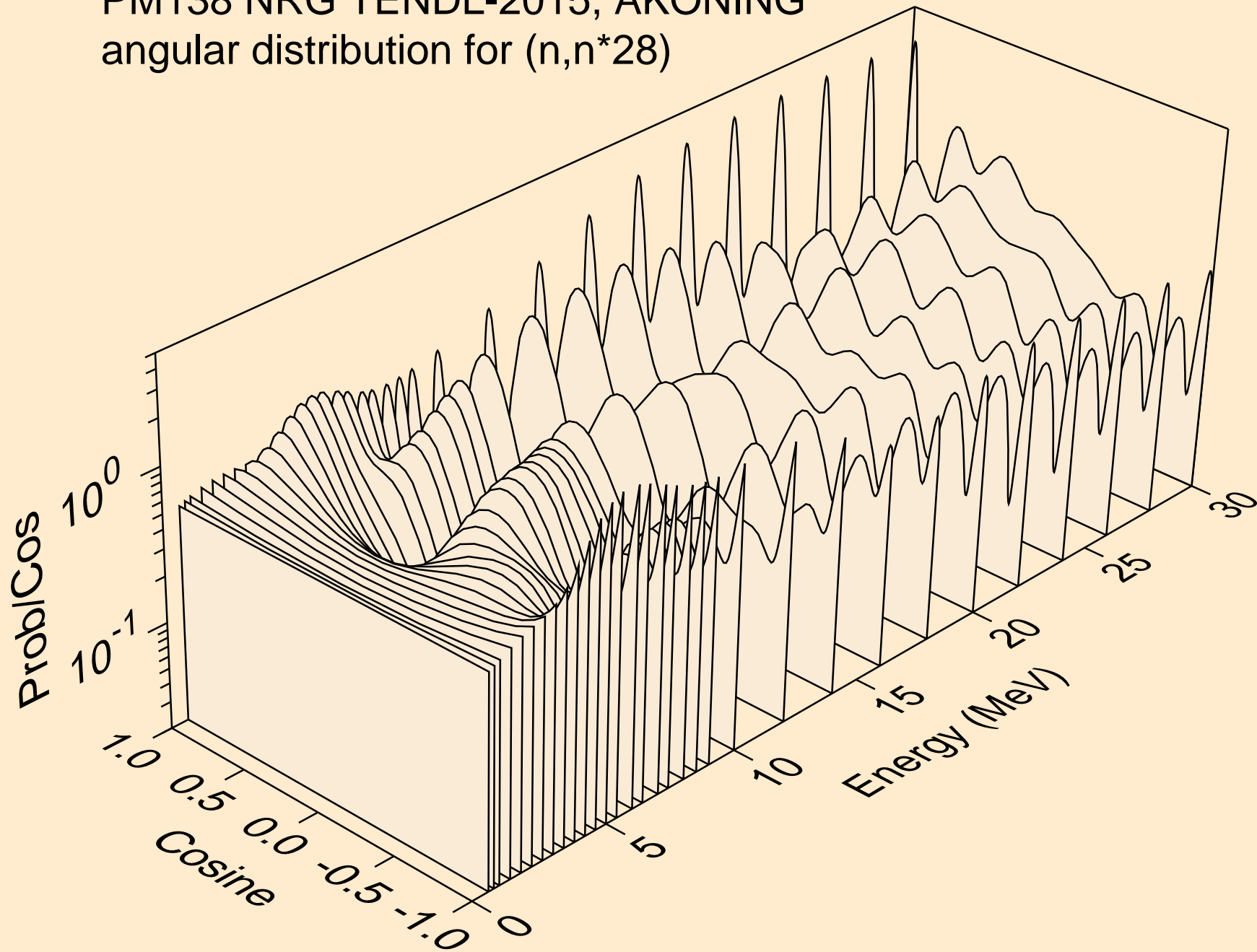
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



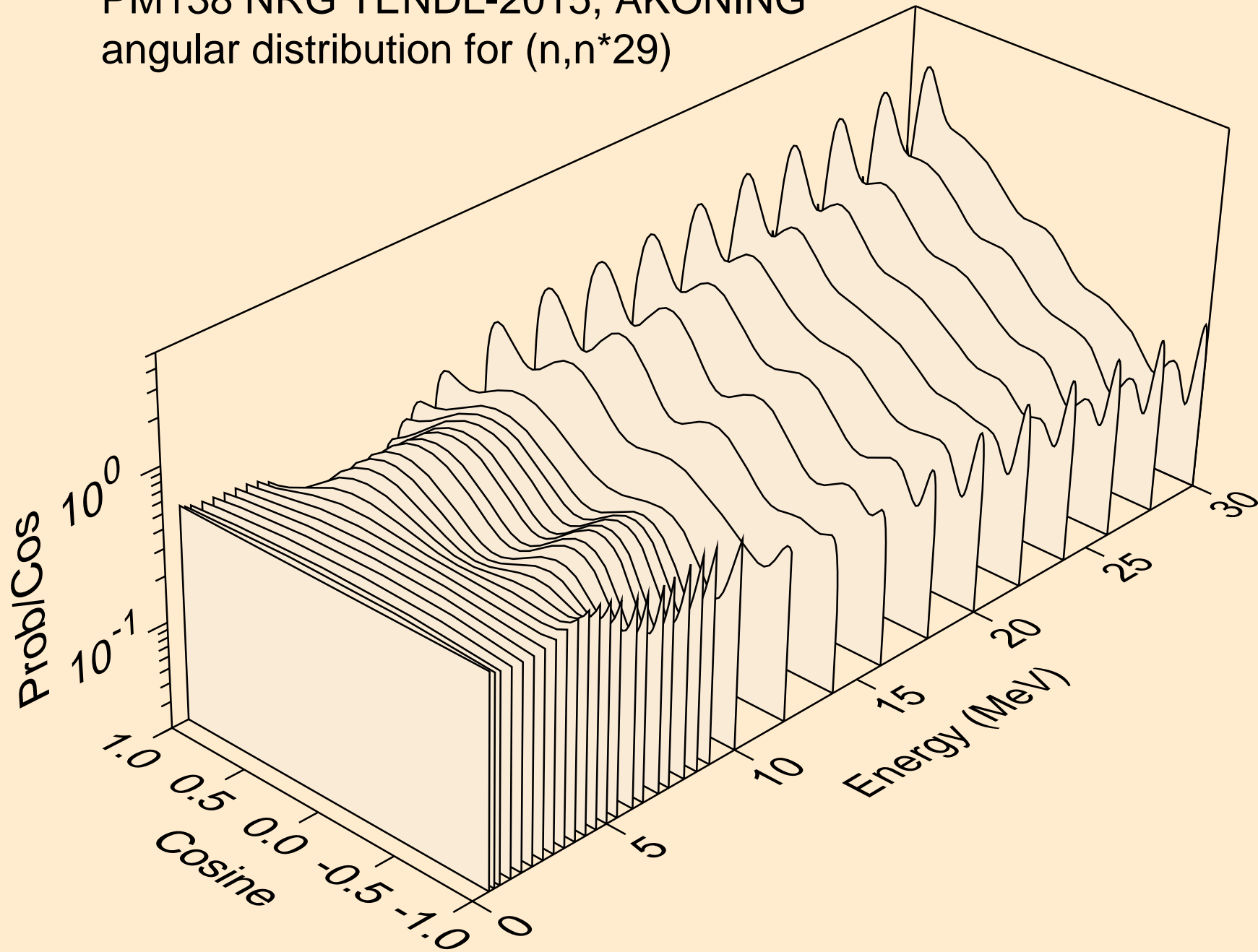
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



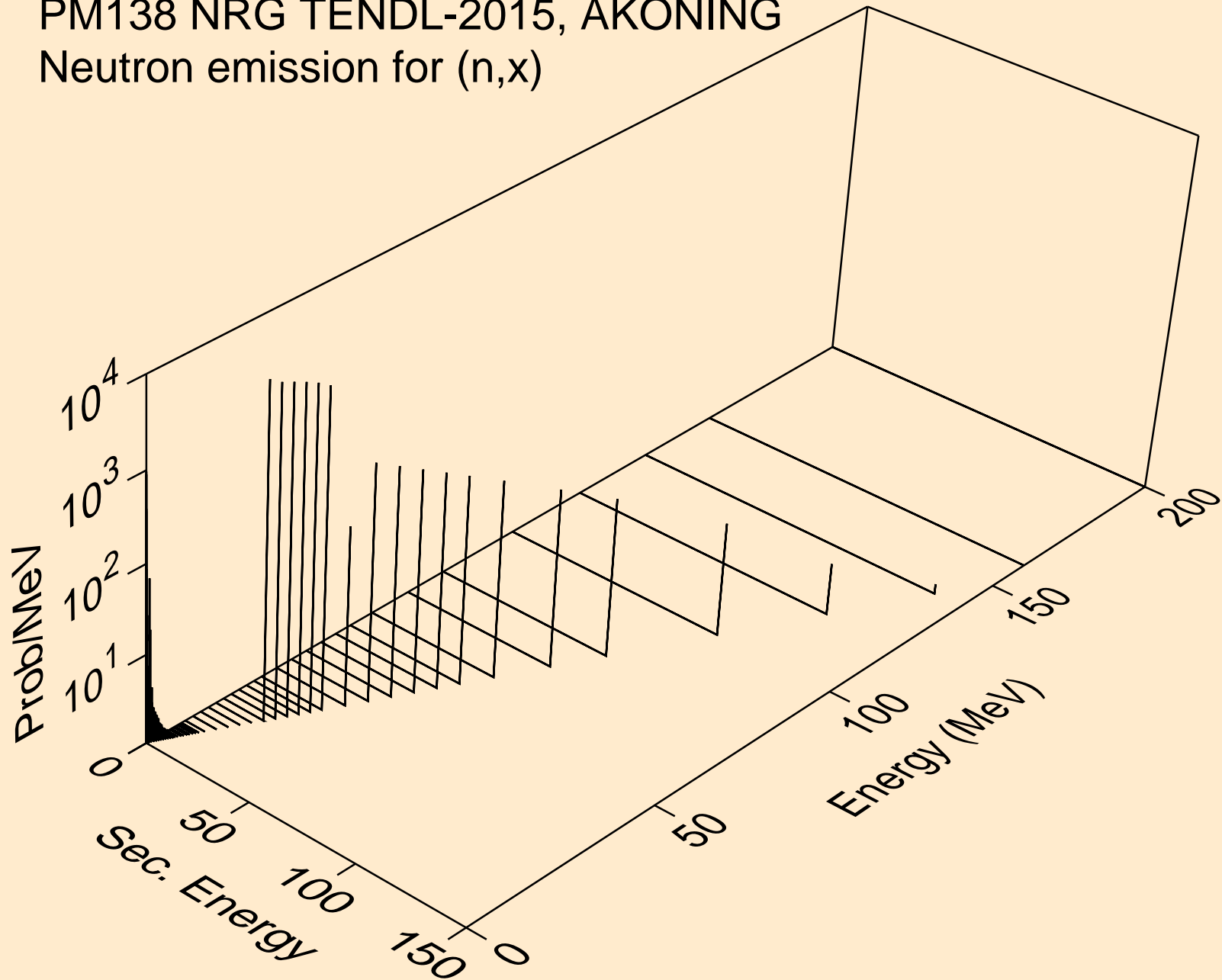
PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



PM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

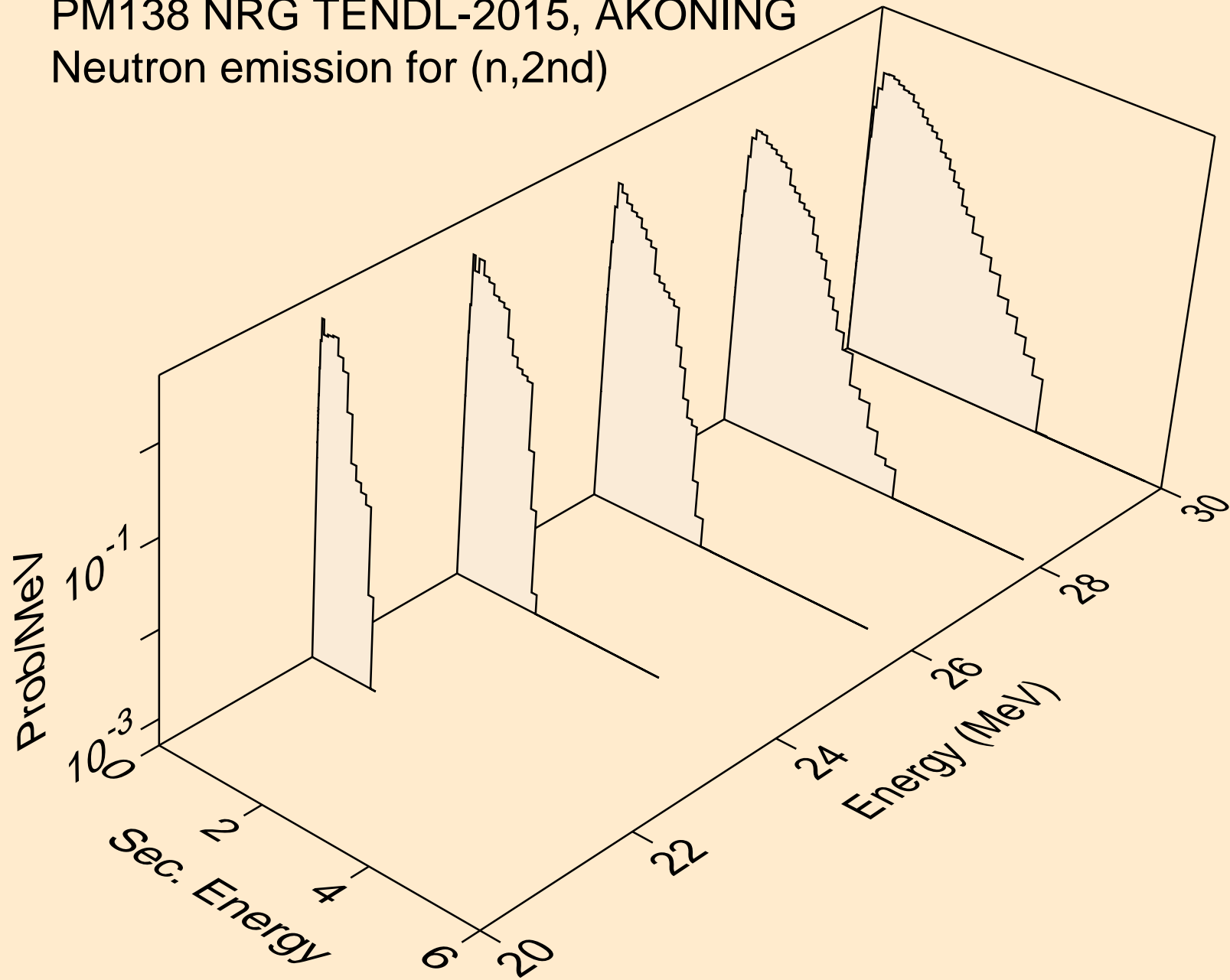


PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

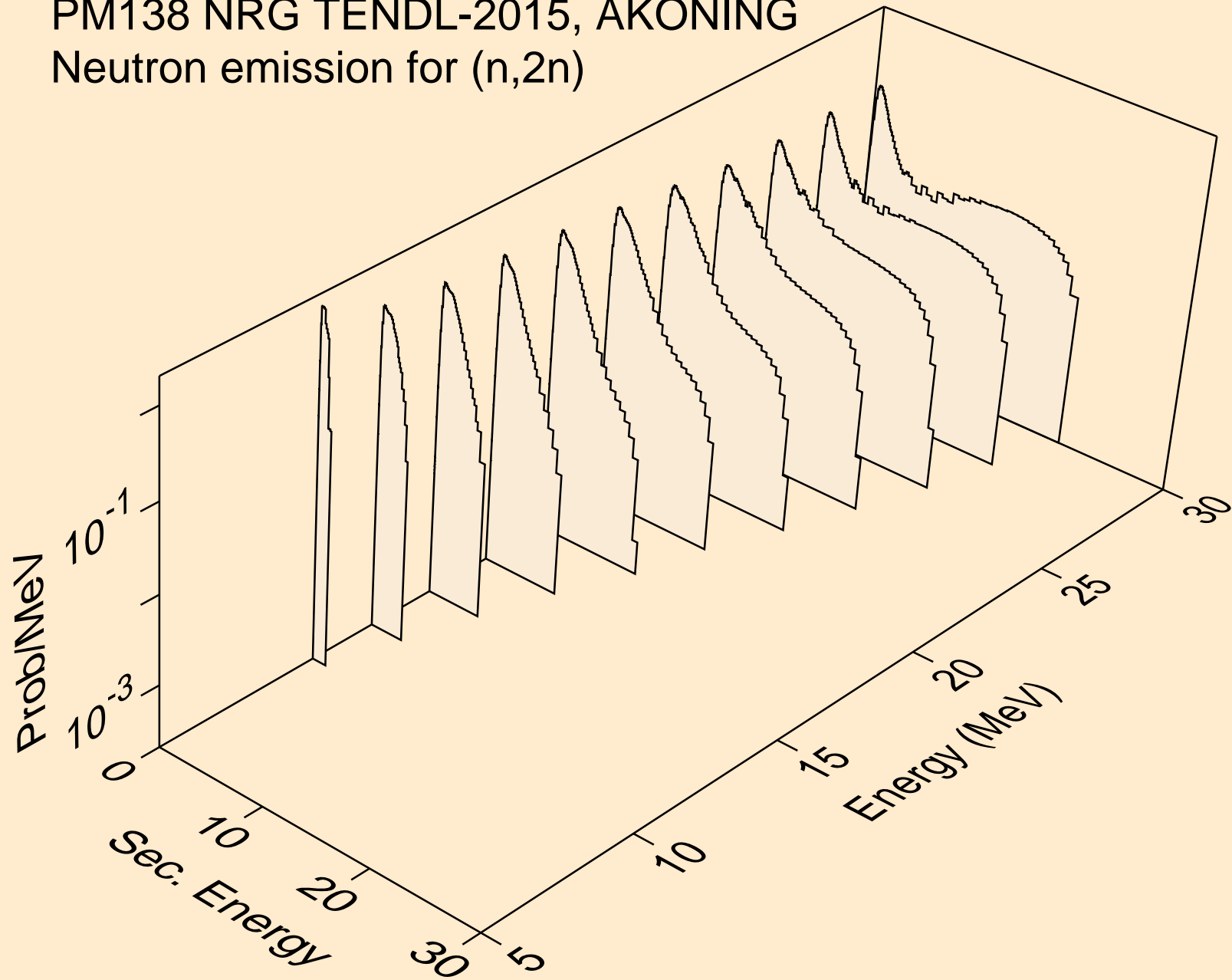




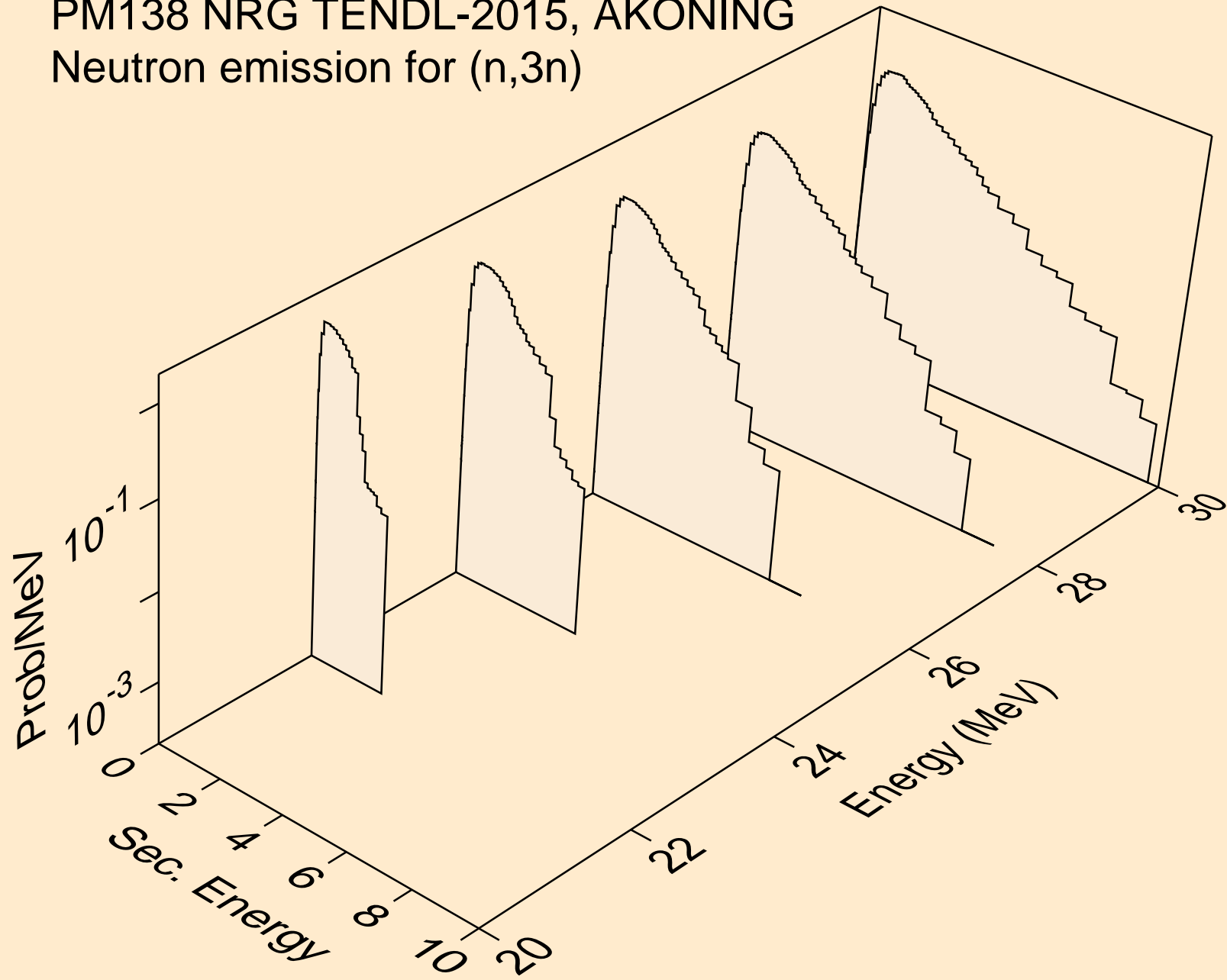
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



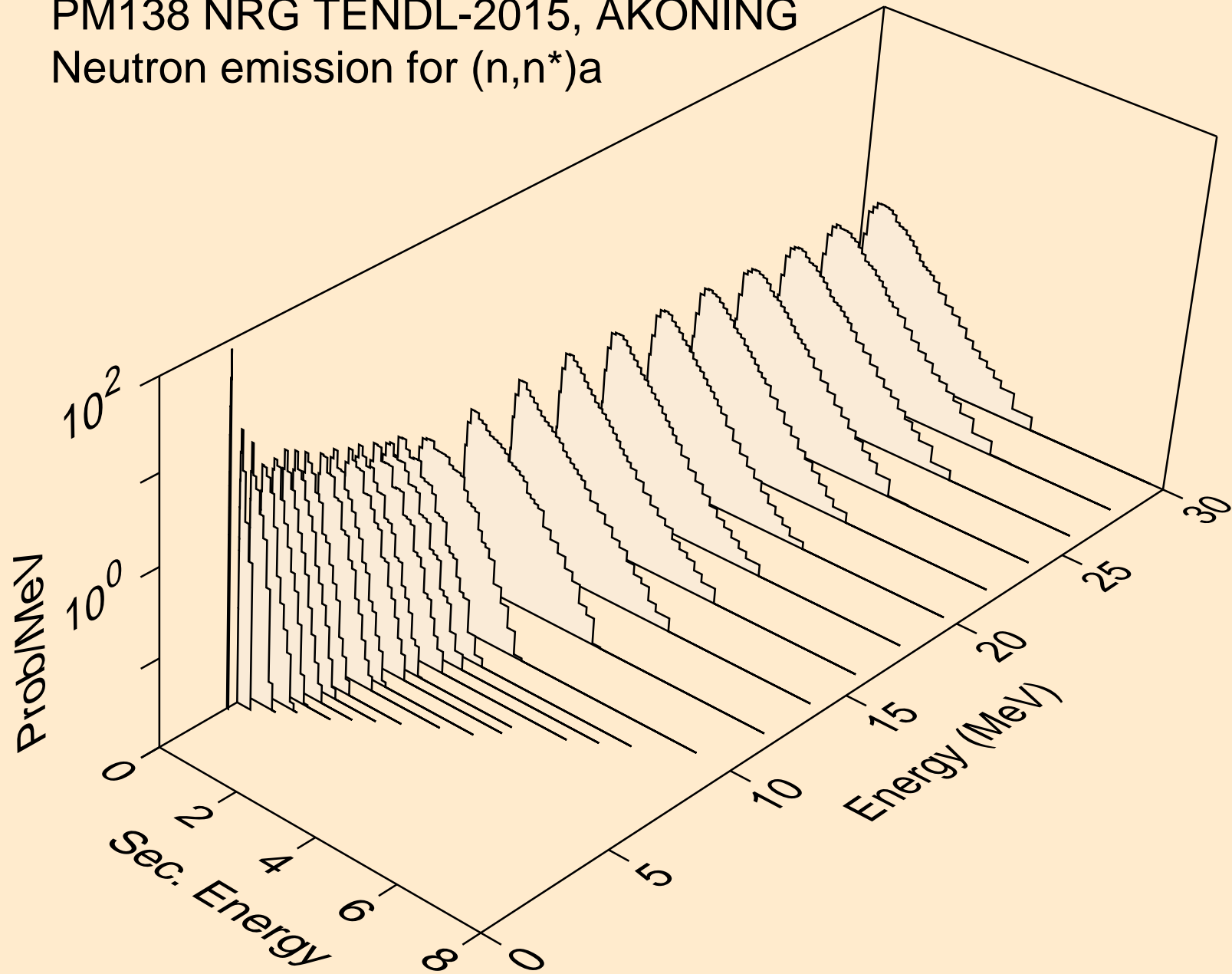
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



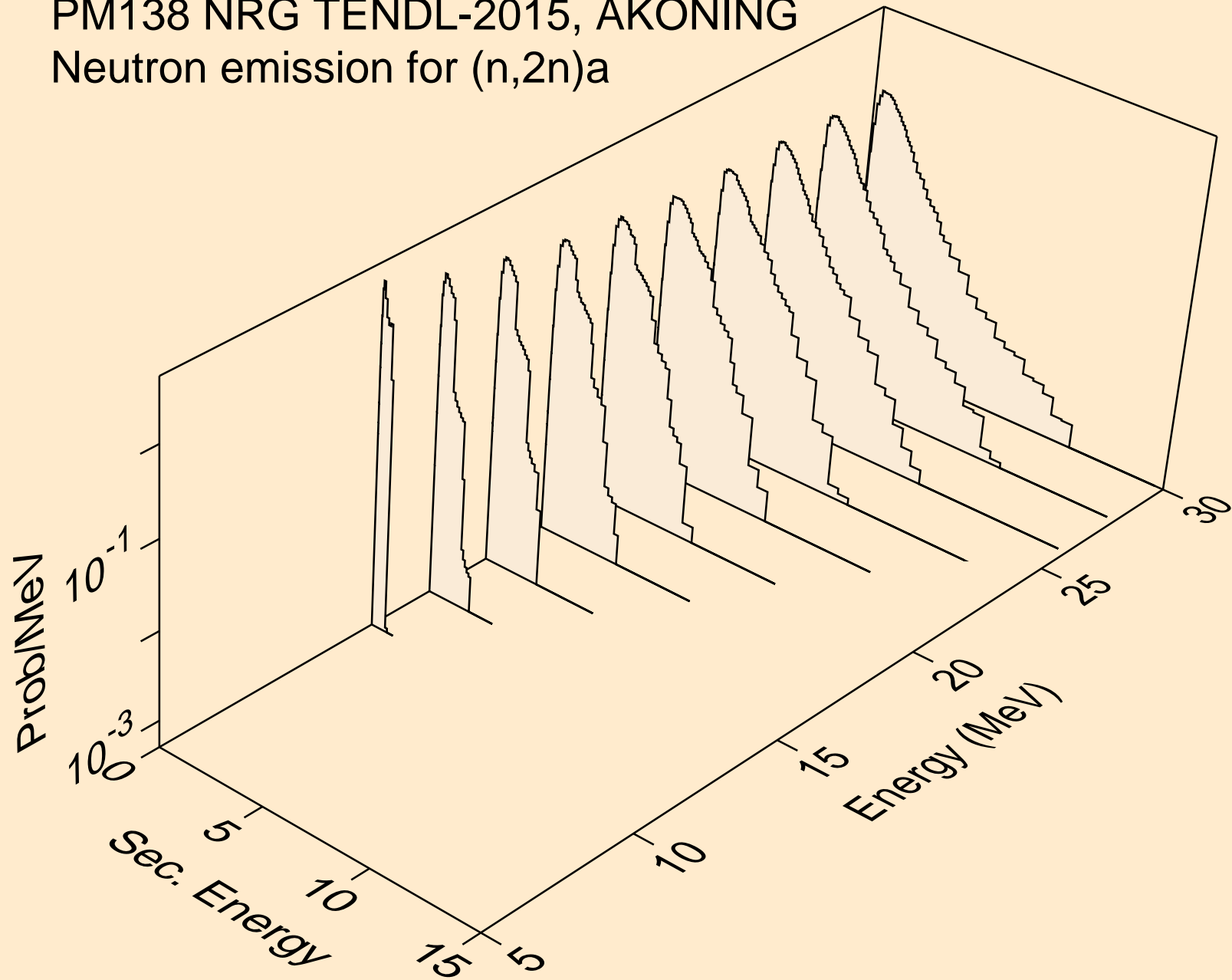
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



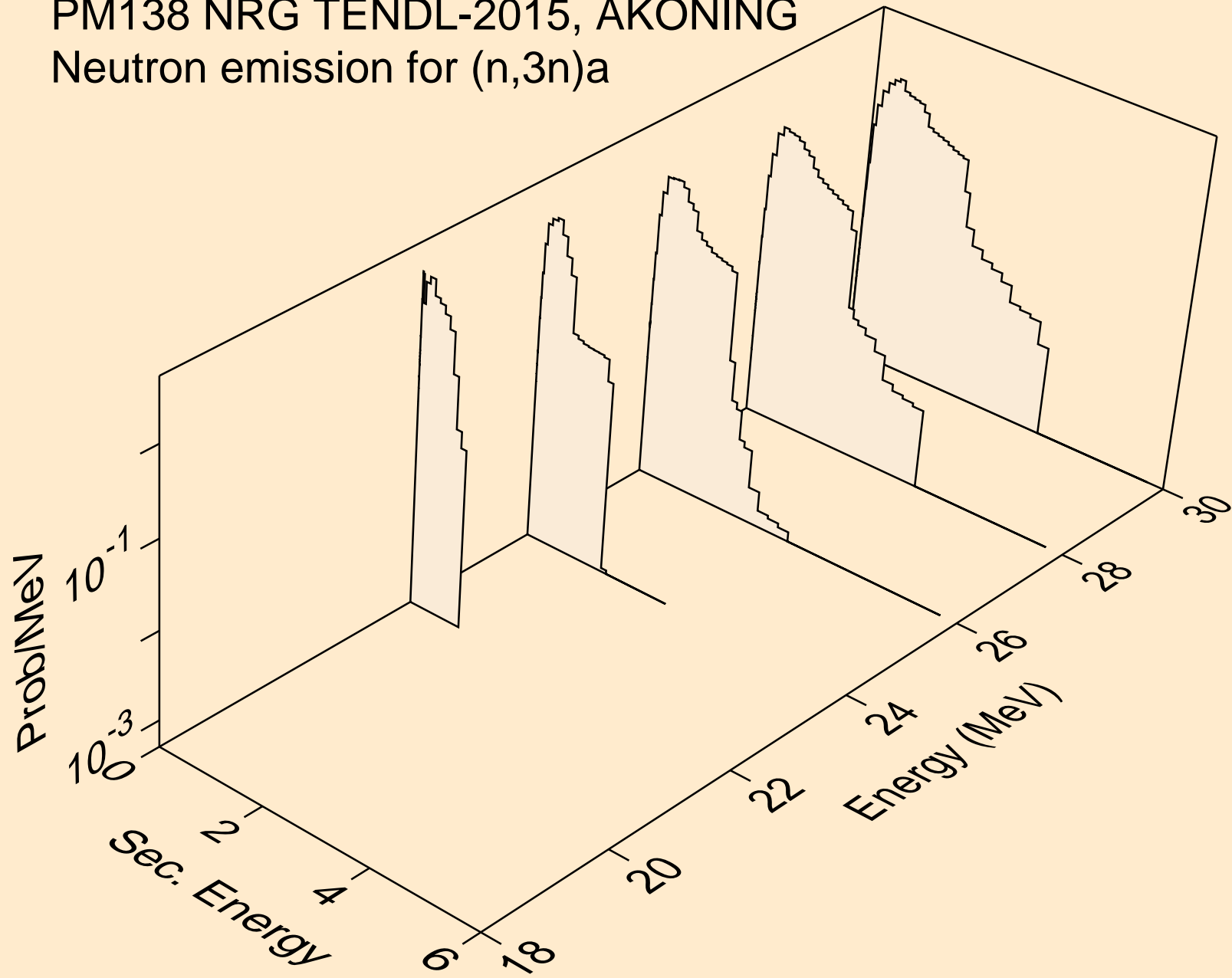
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



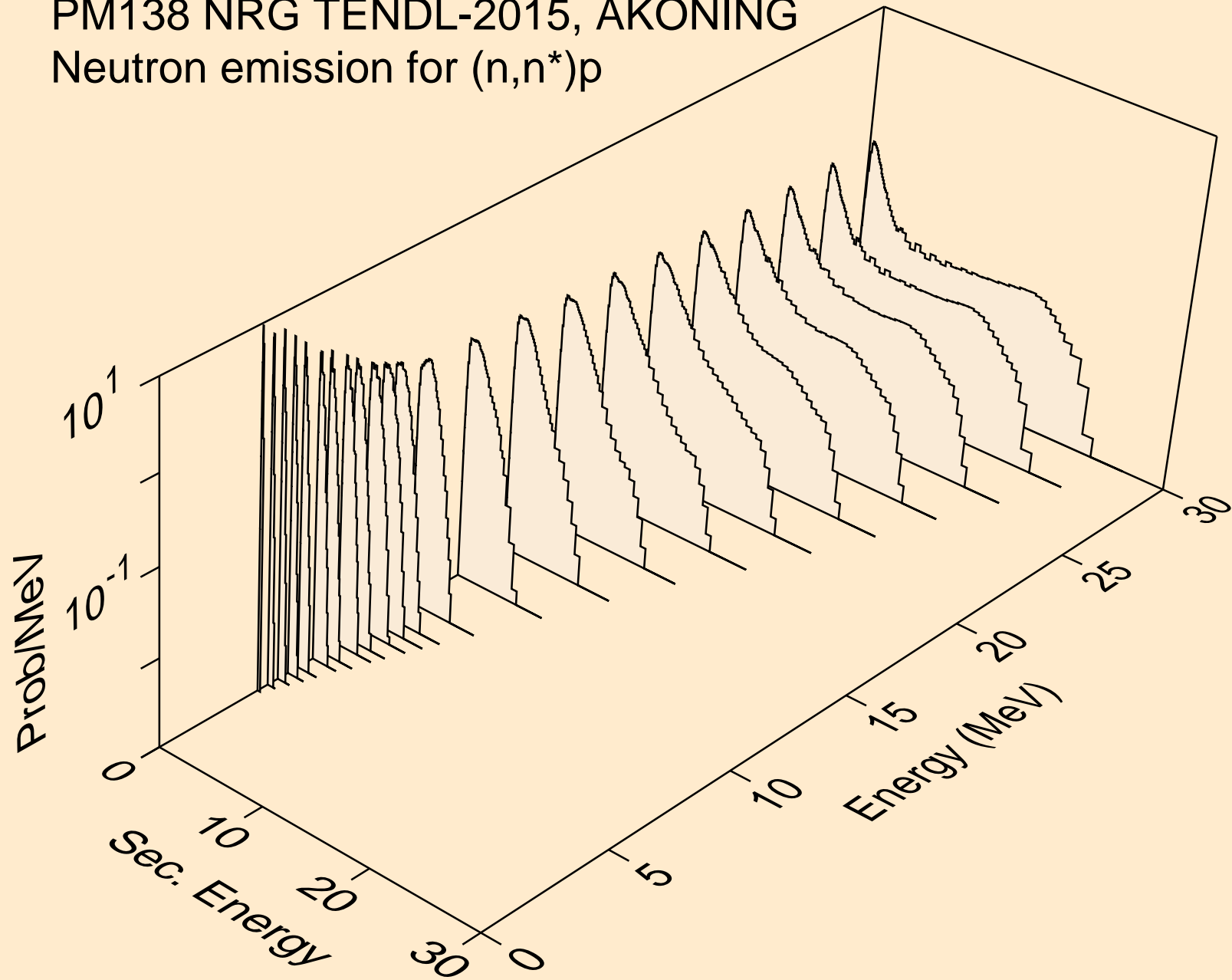
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



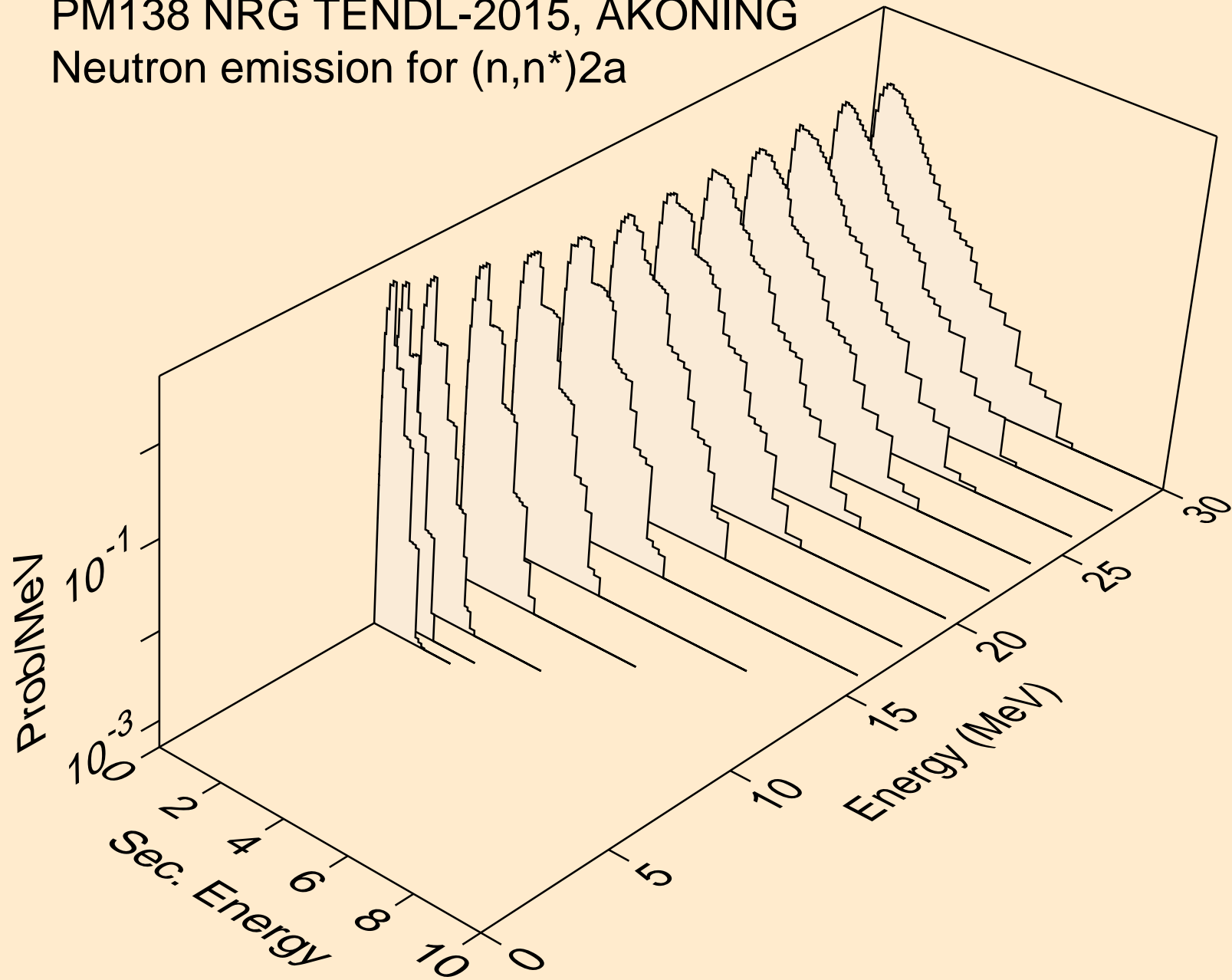
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

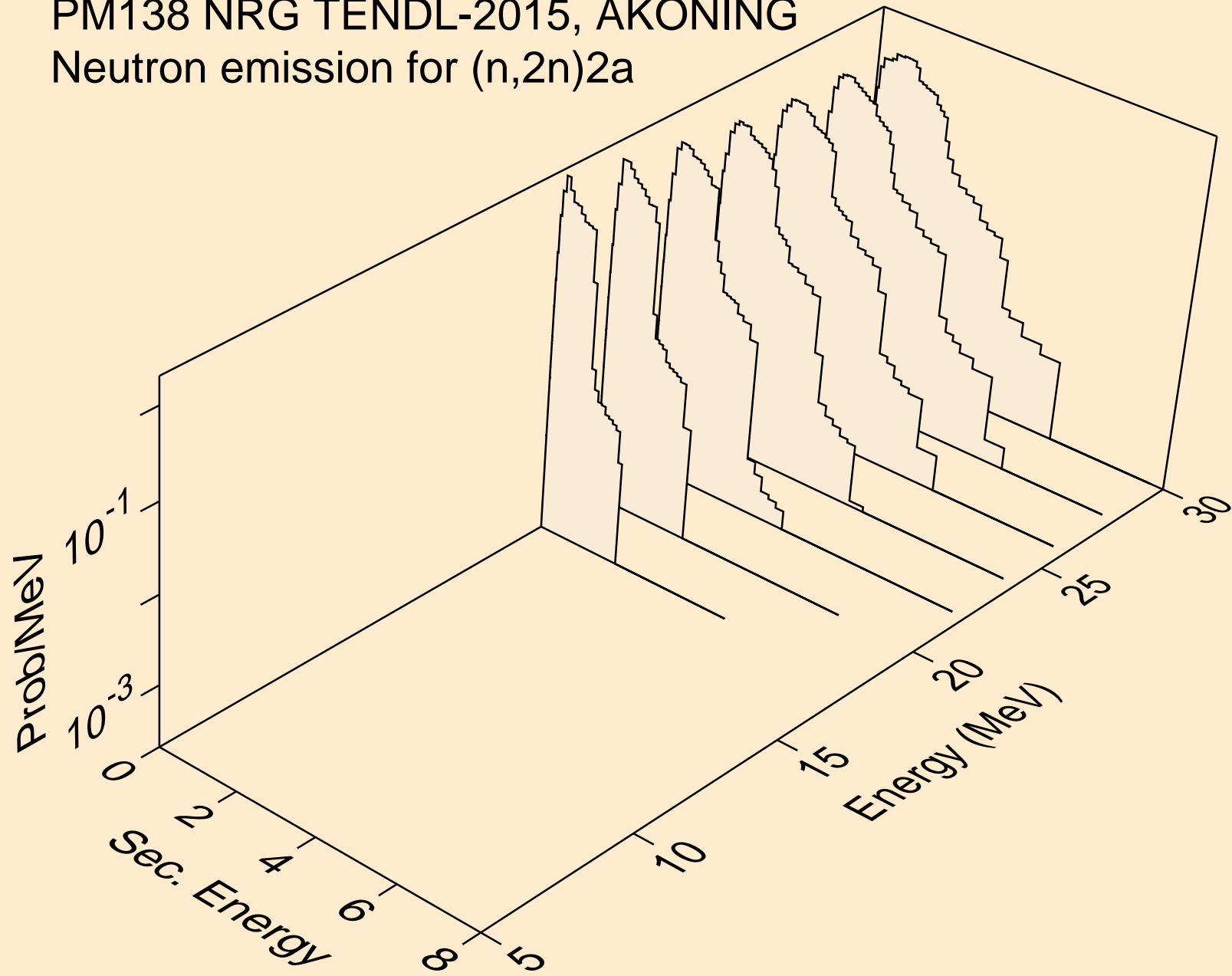


PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

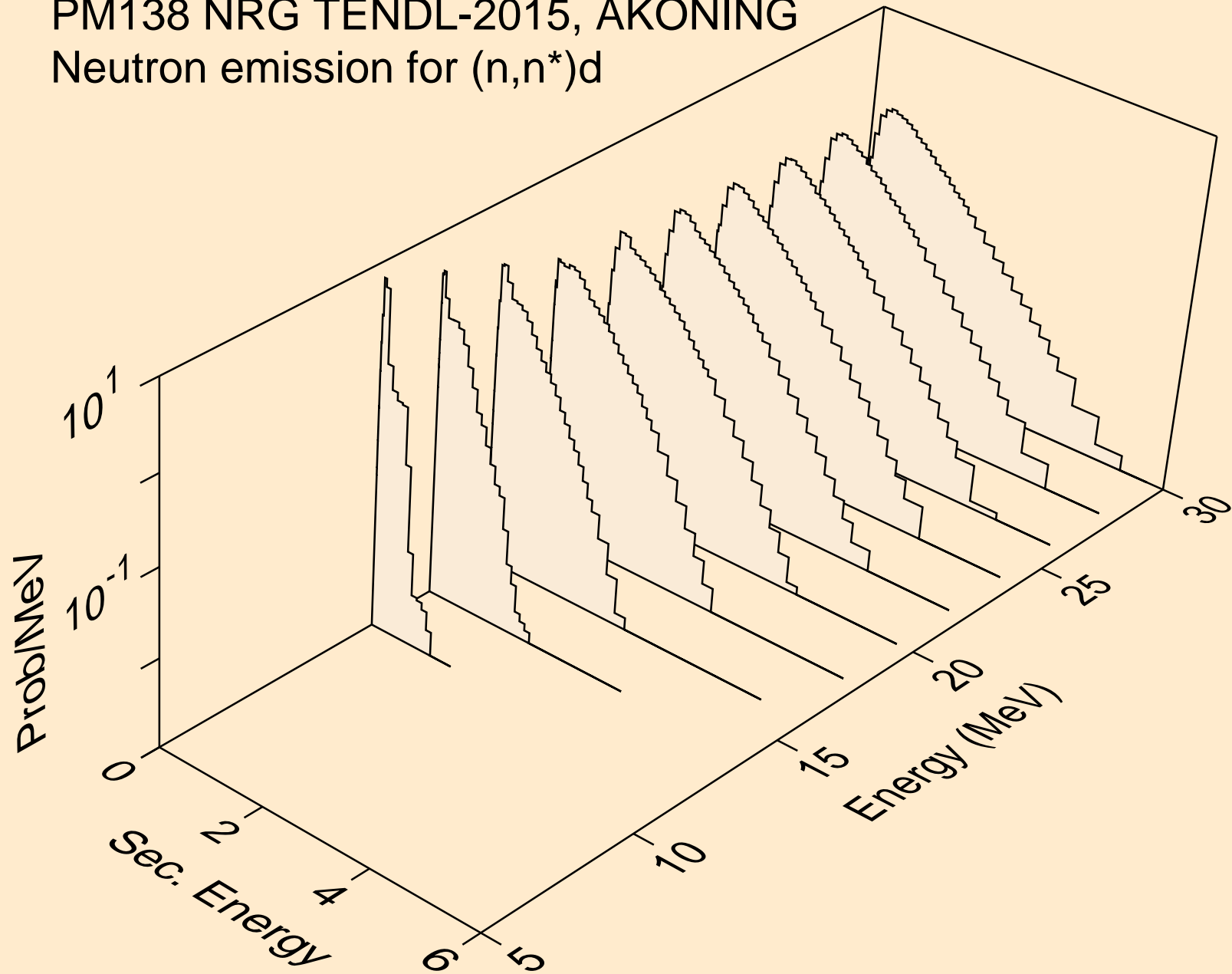




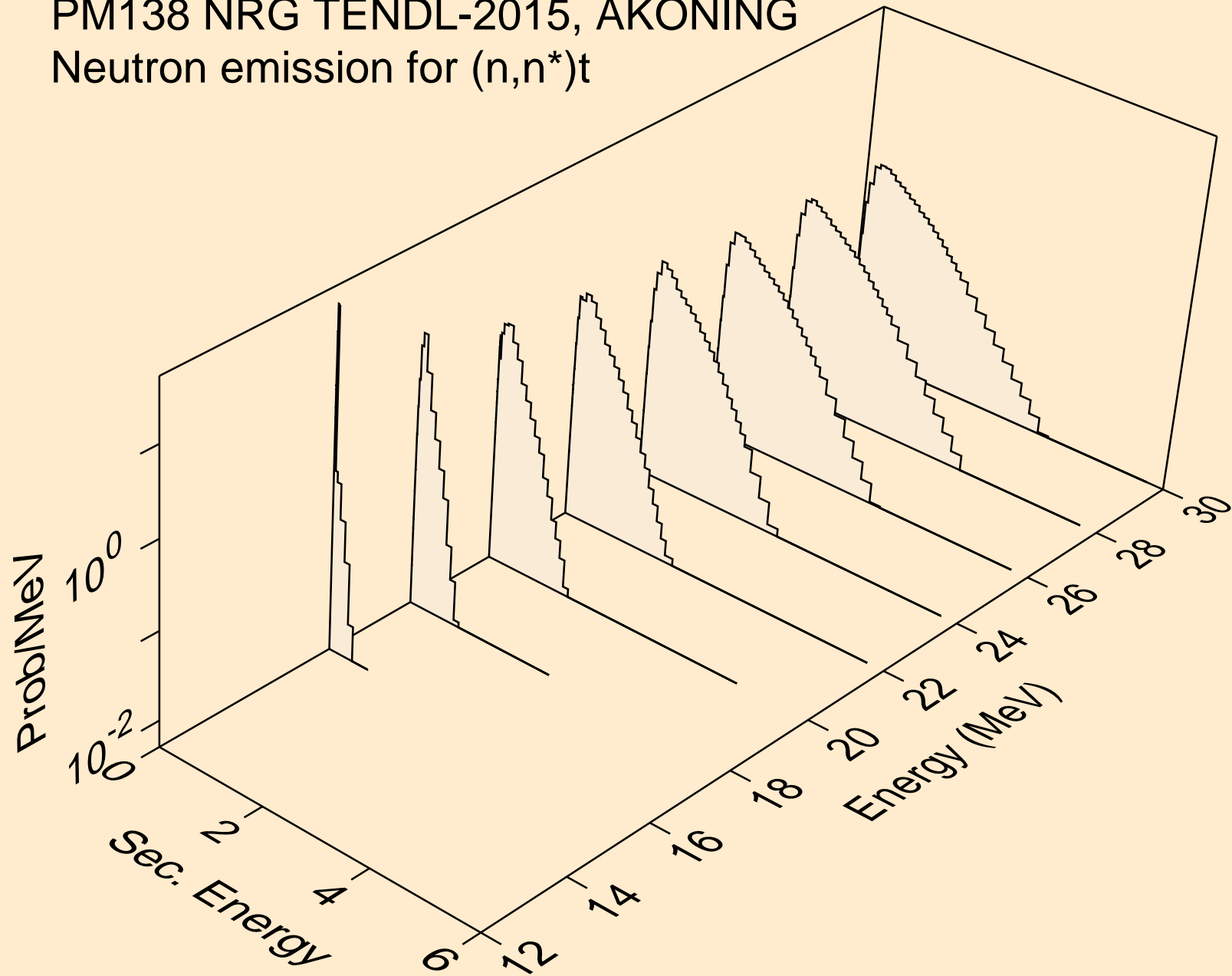
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



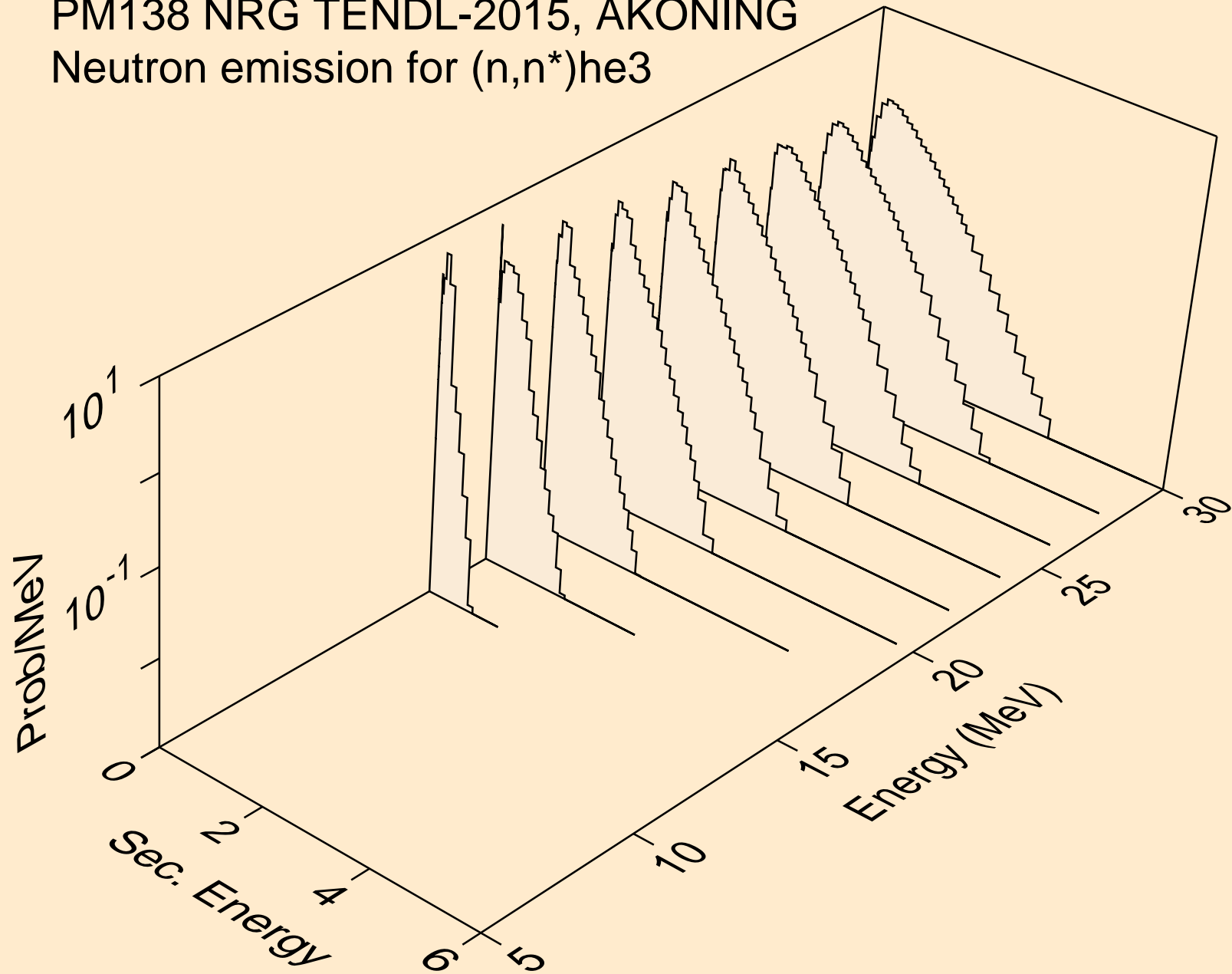
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



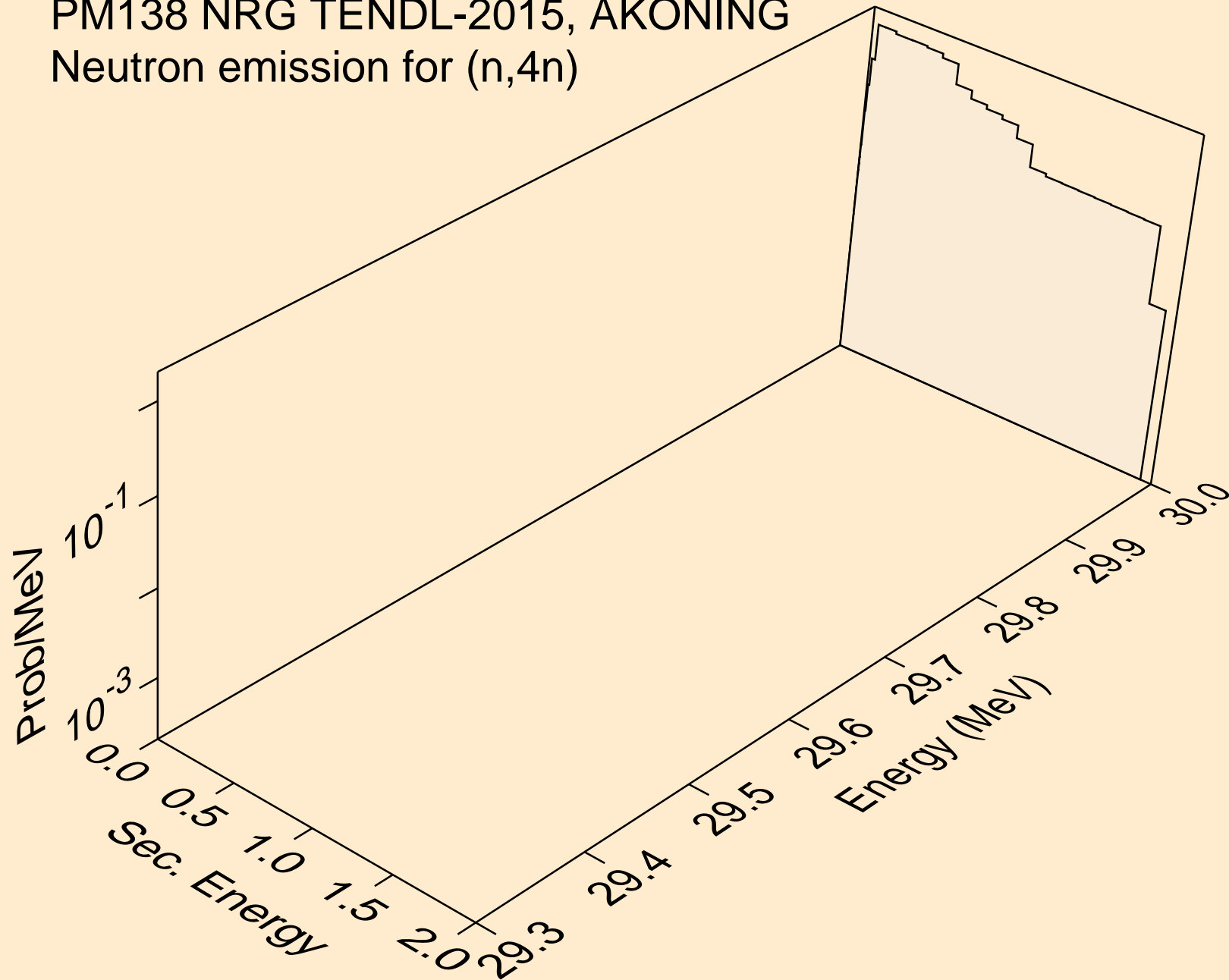
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



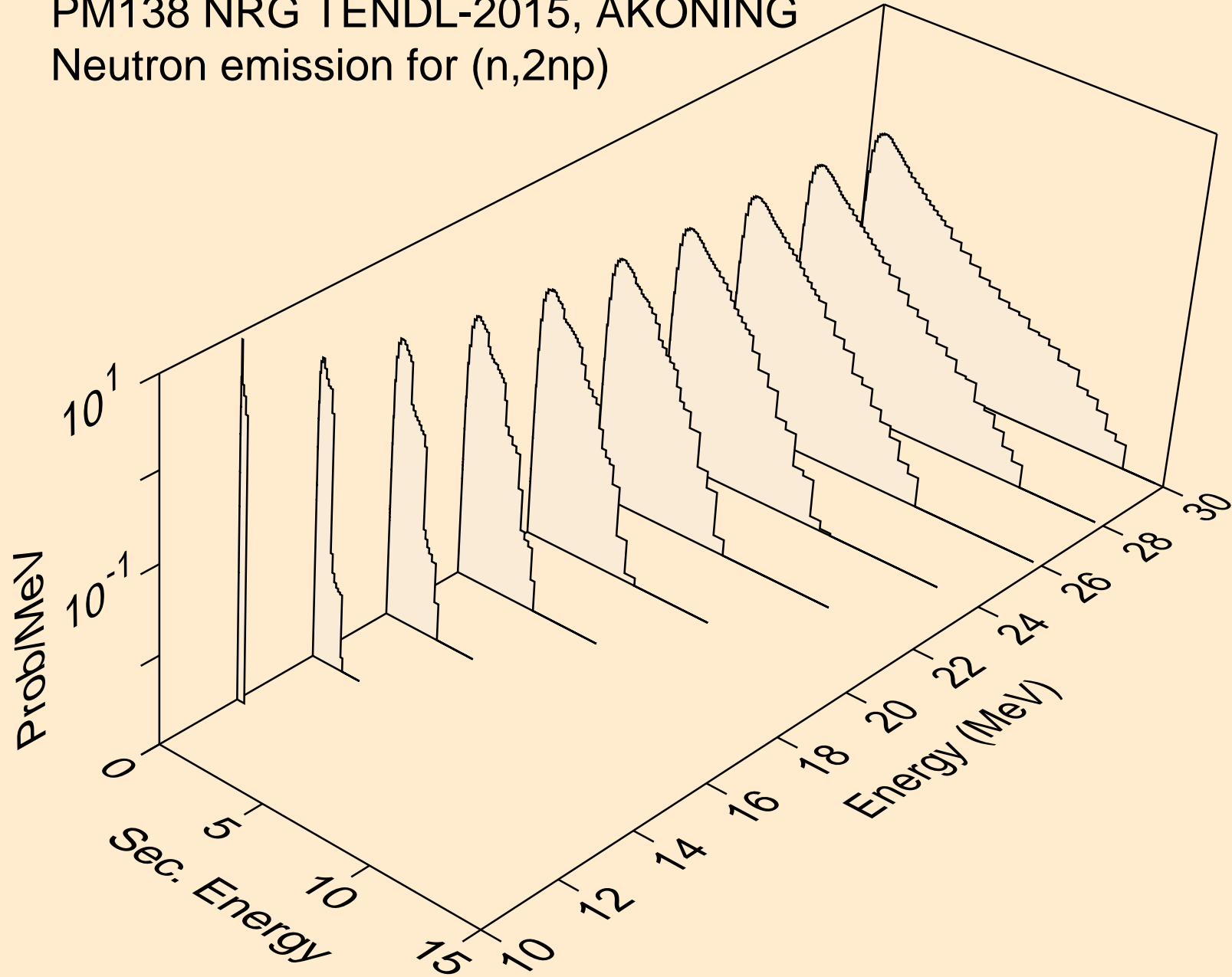
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



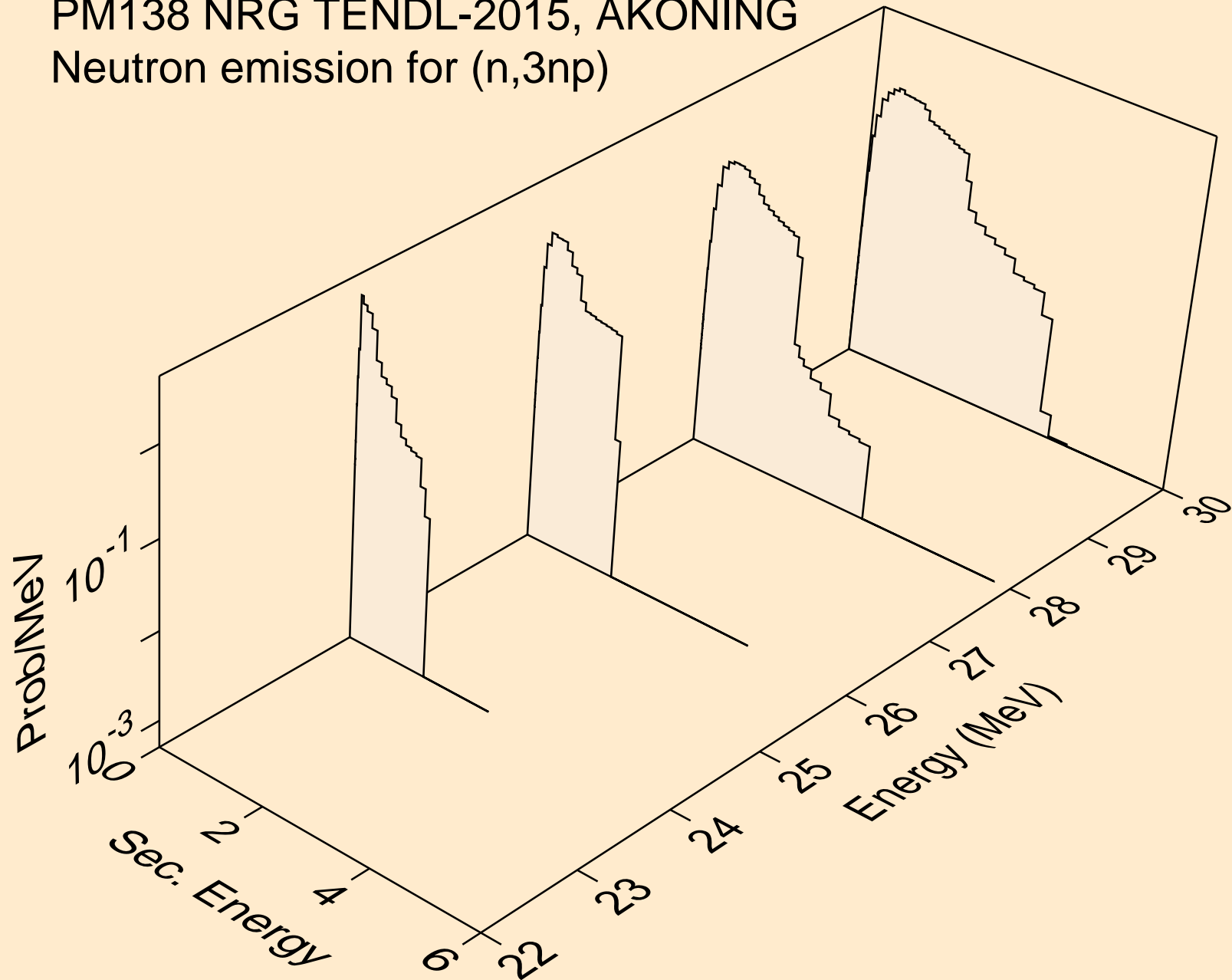
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



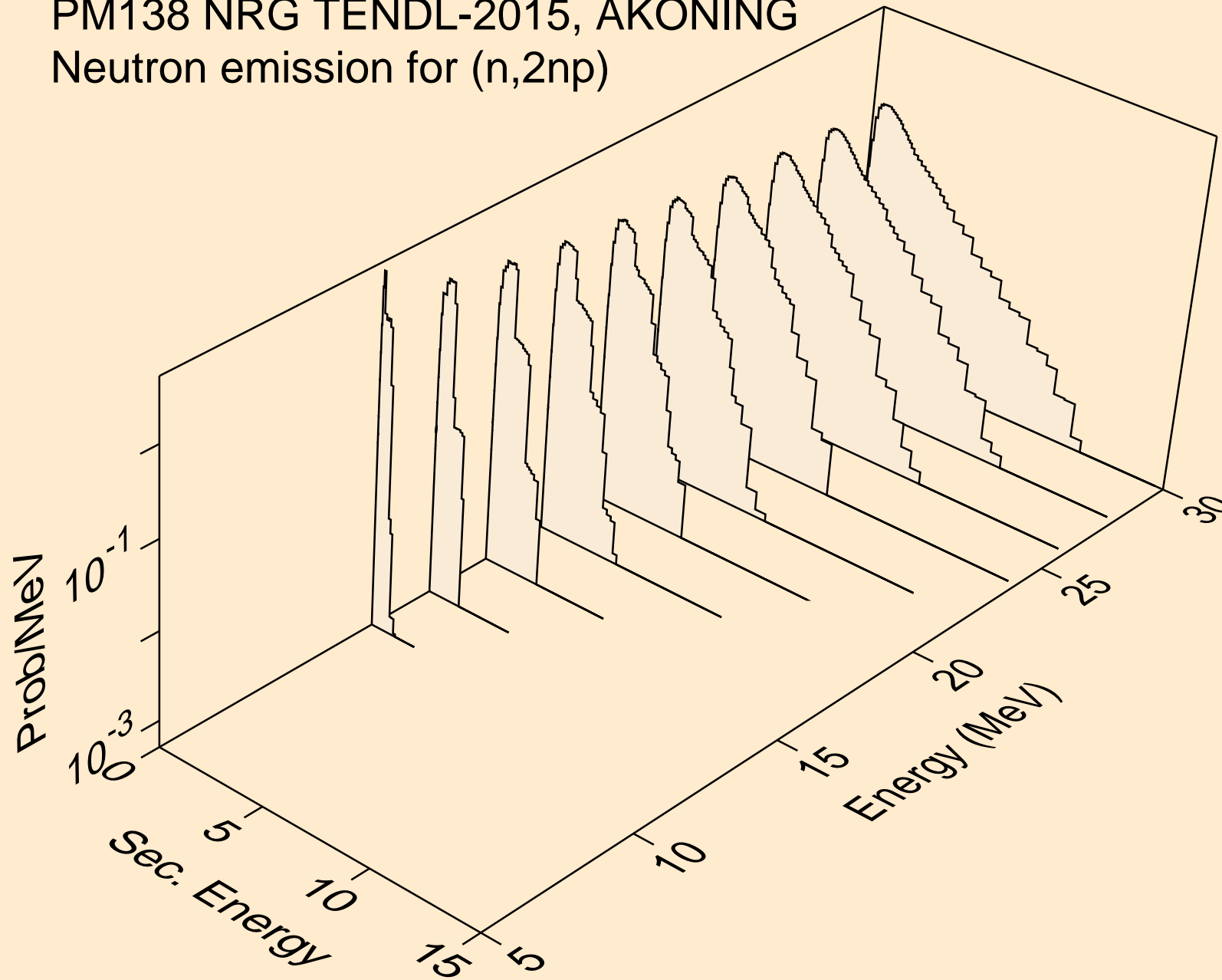
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

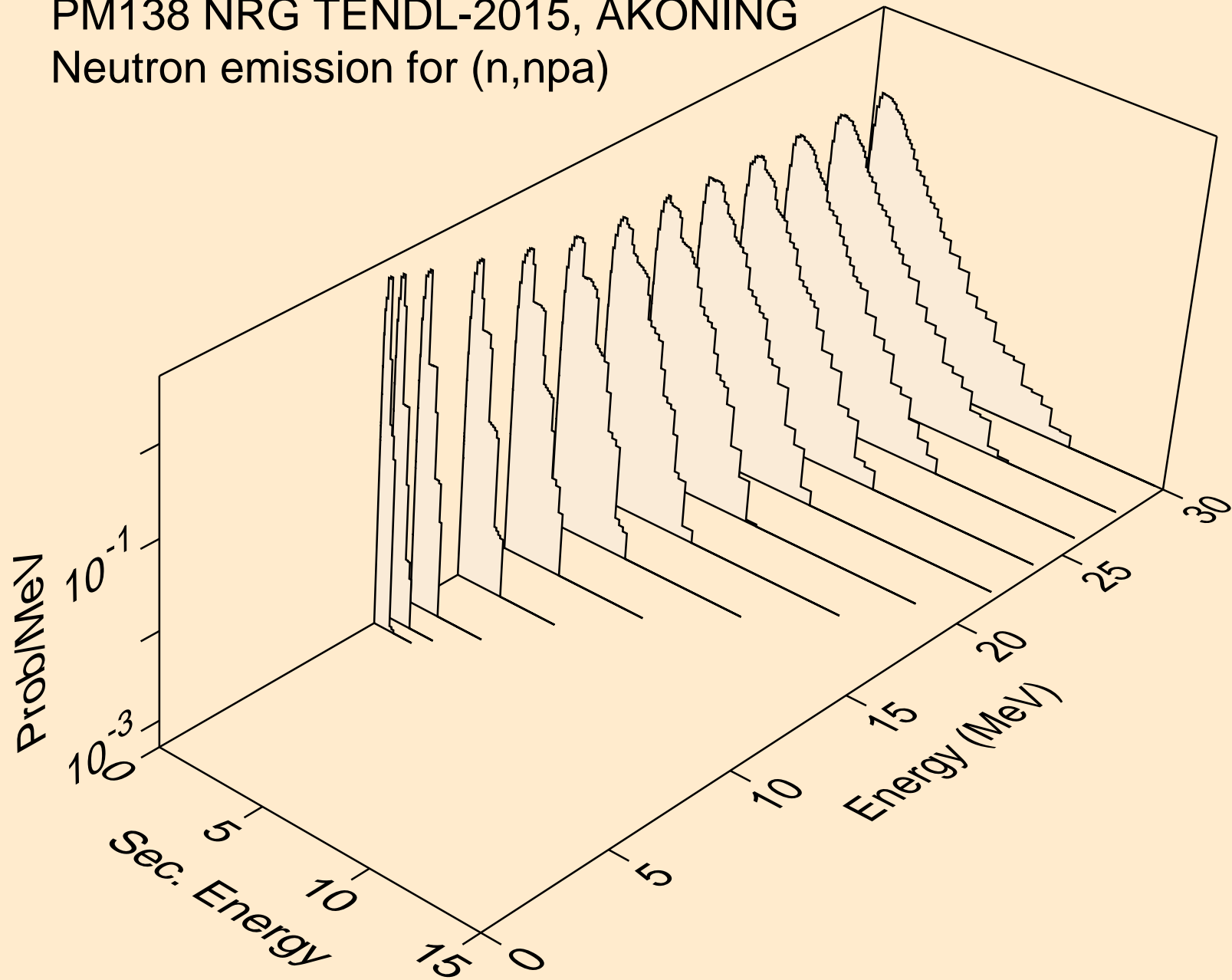


PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

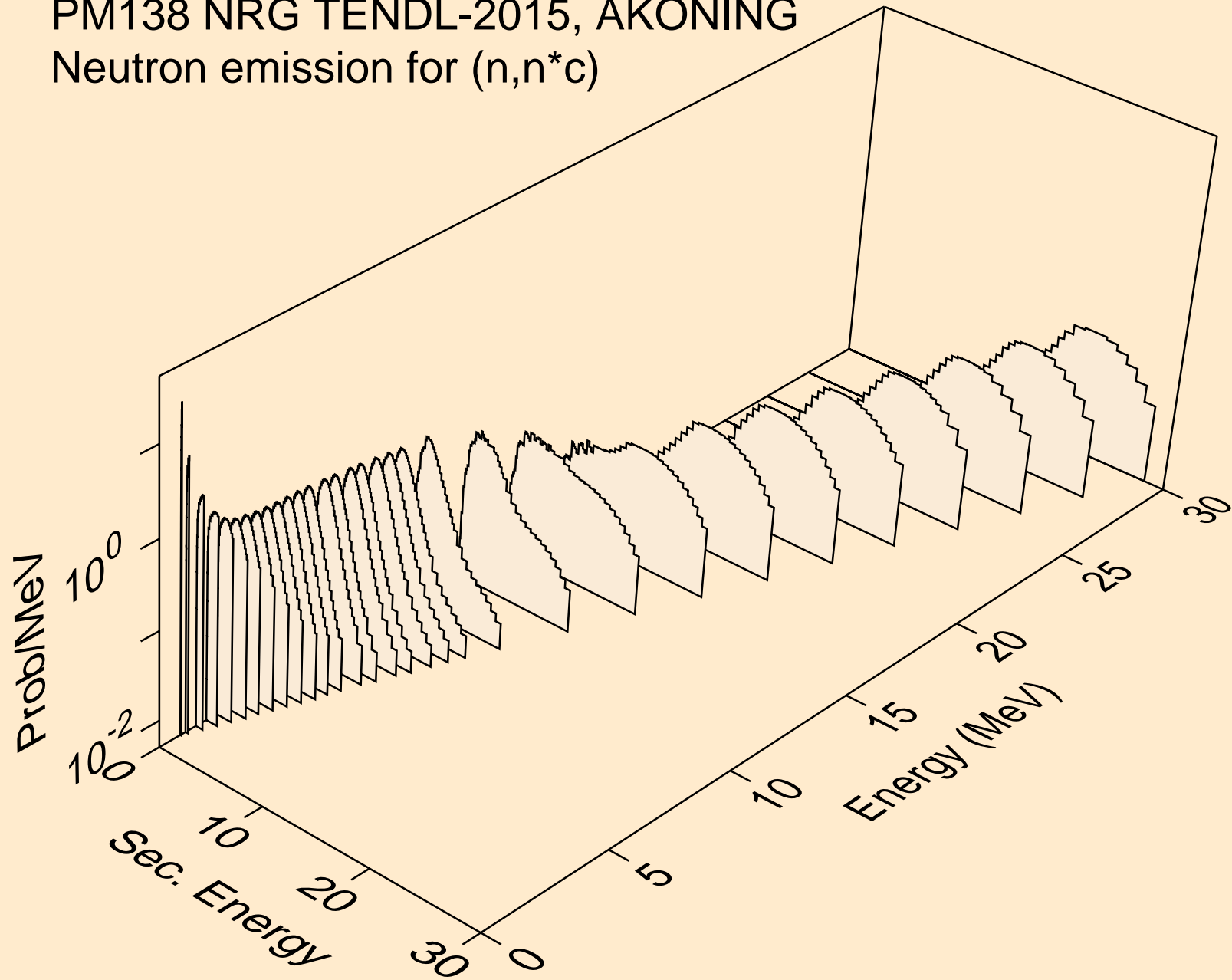




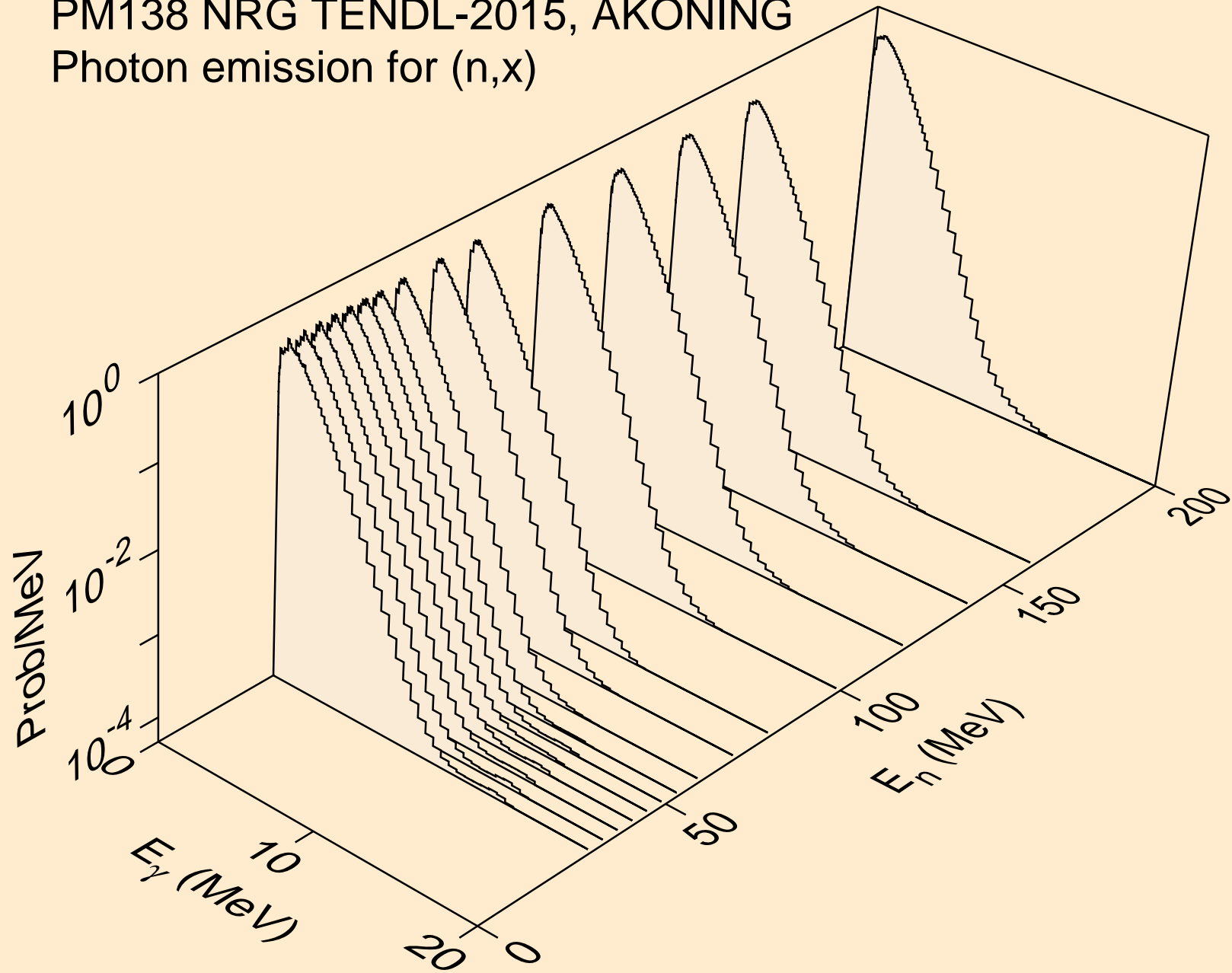
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



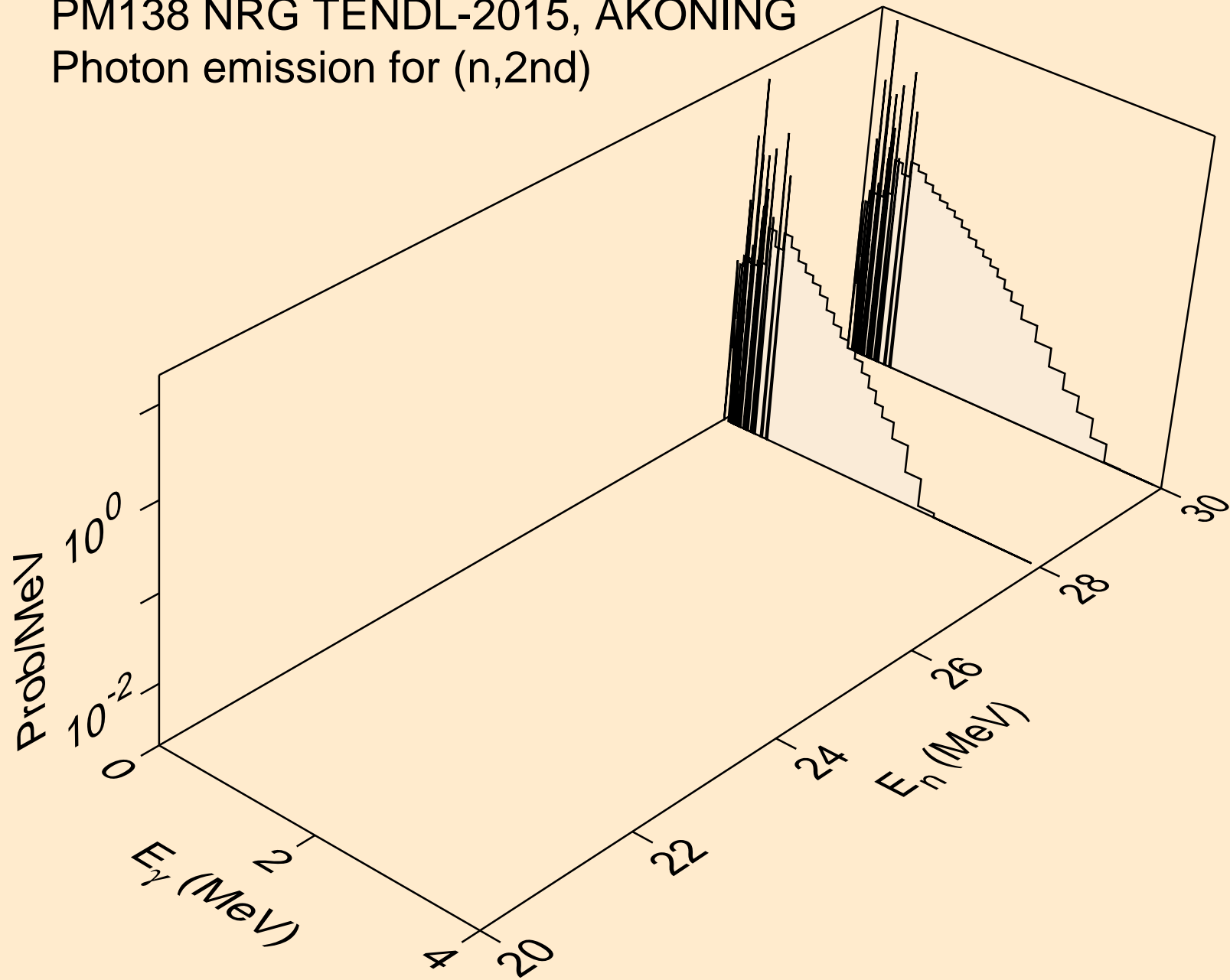
PM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



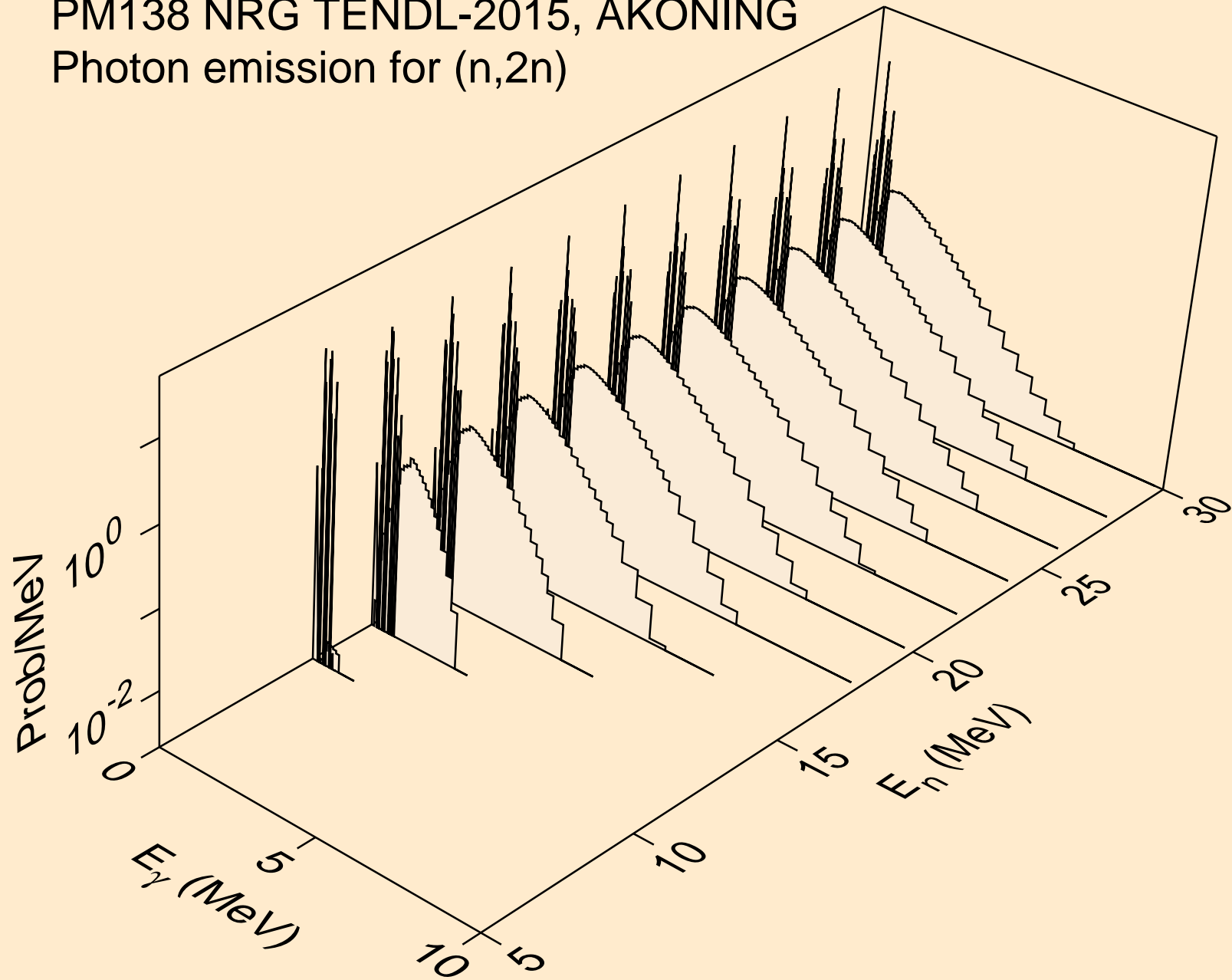
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



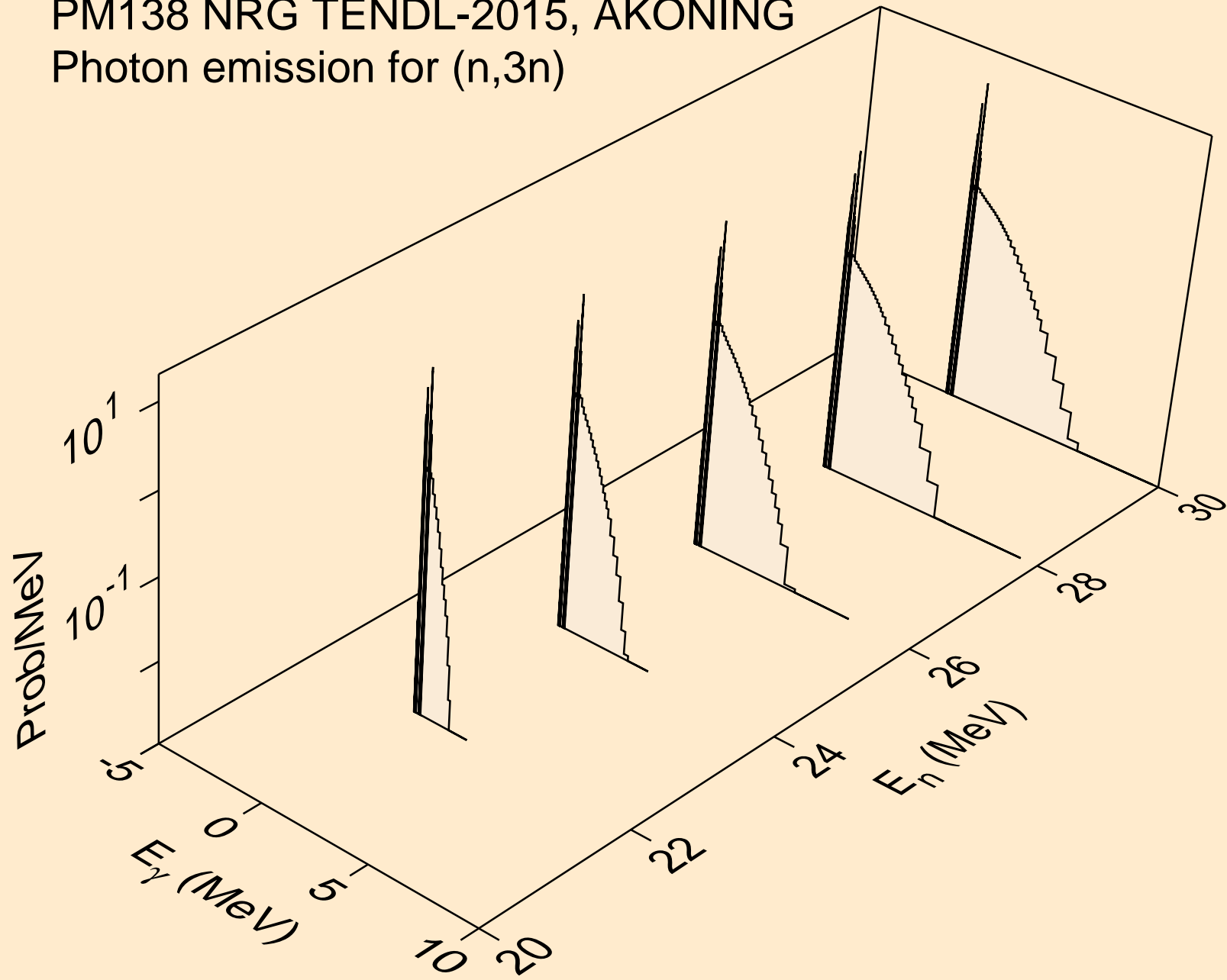
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



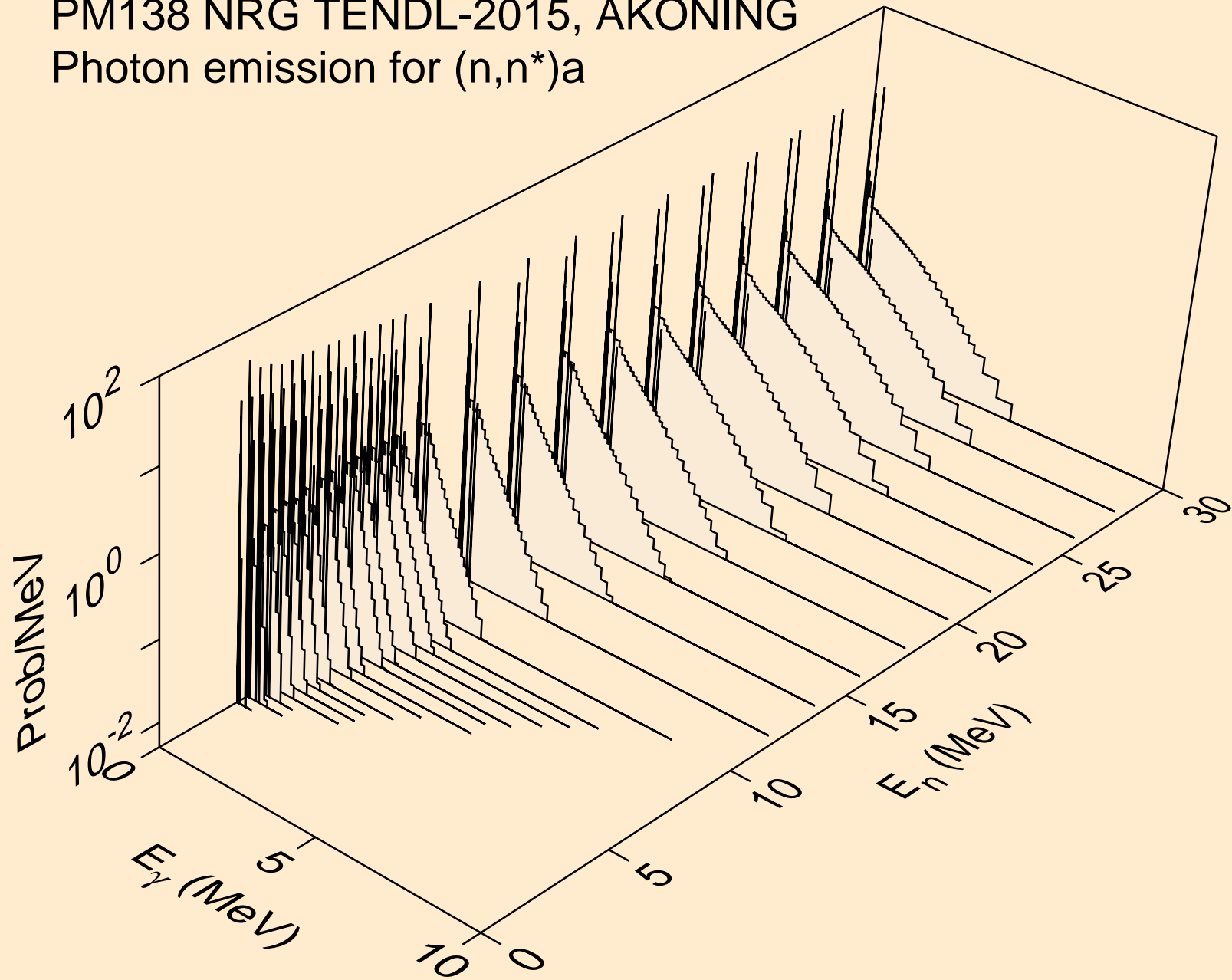
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



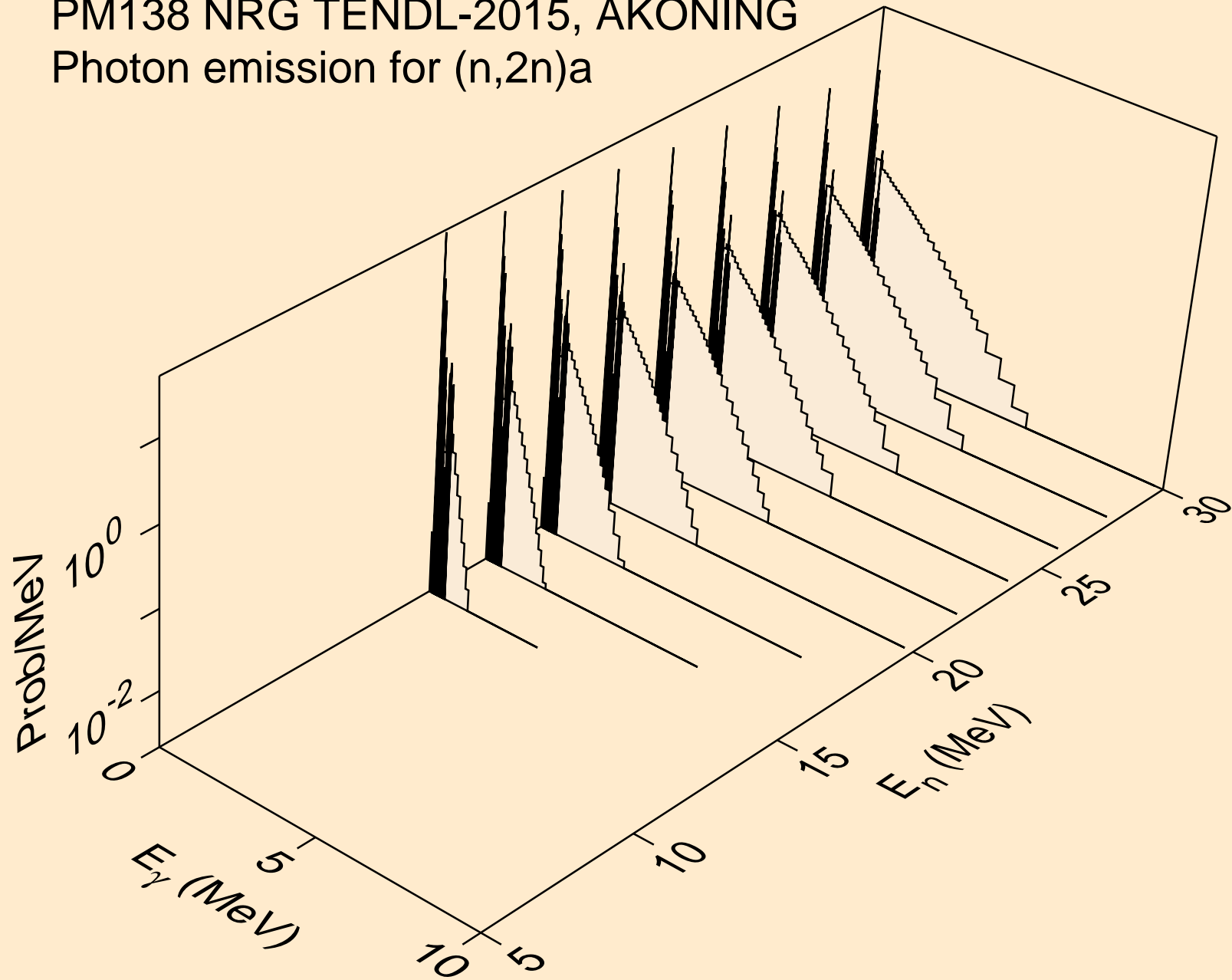
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

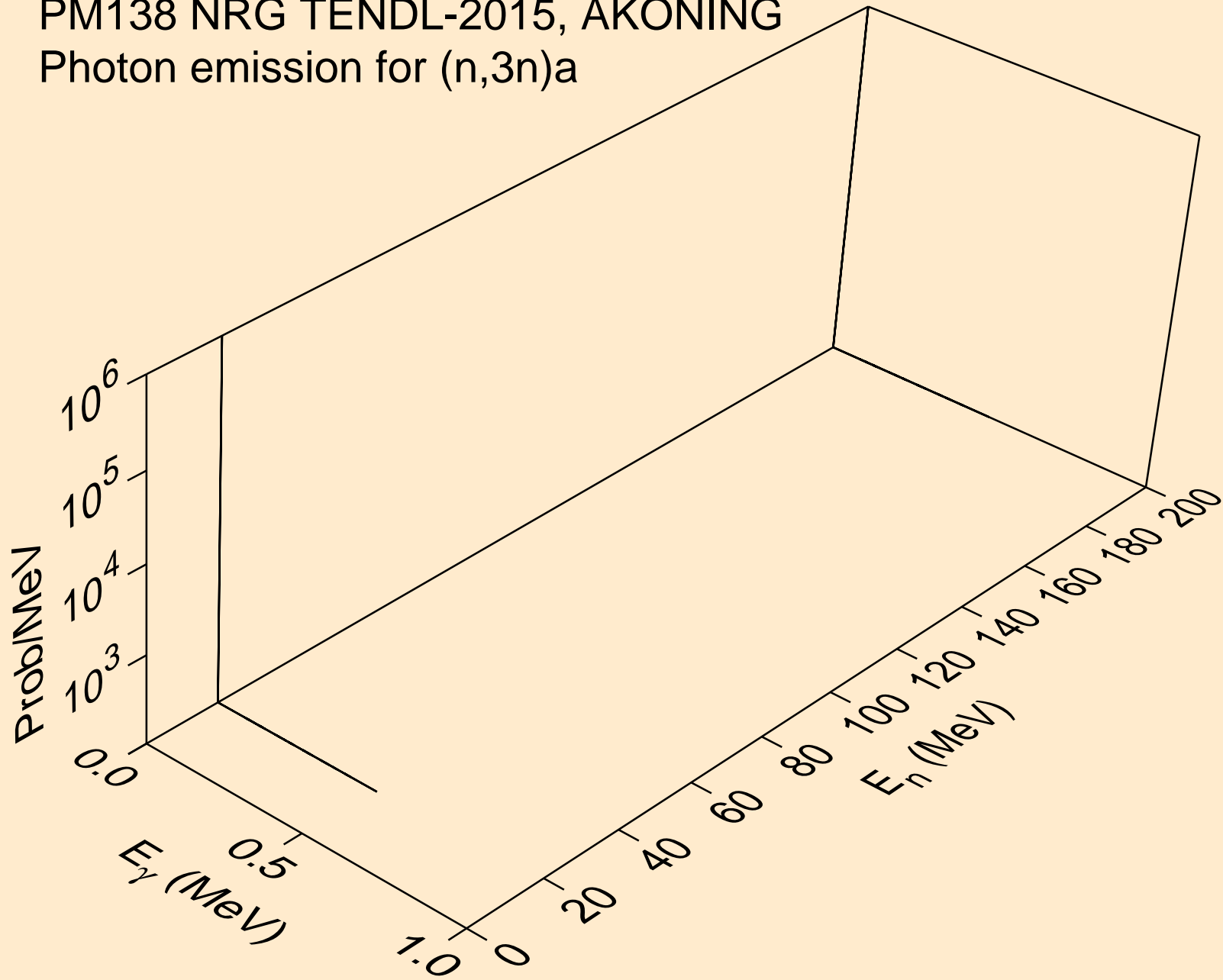


PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2n) $\alpha$

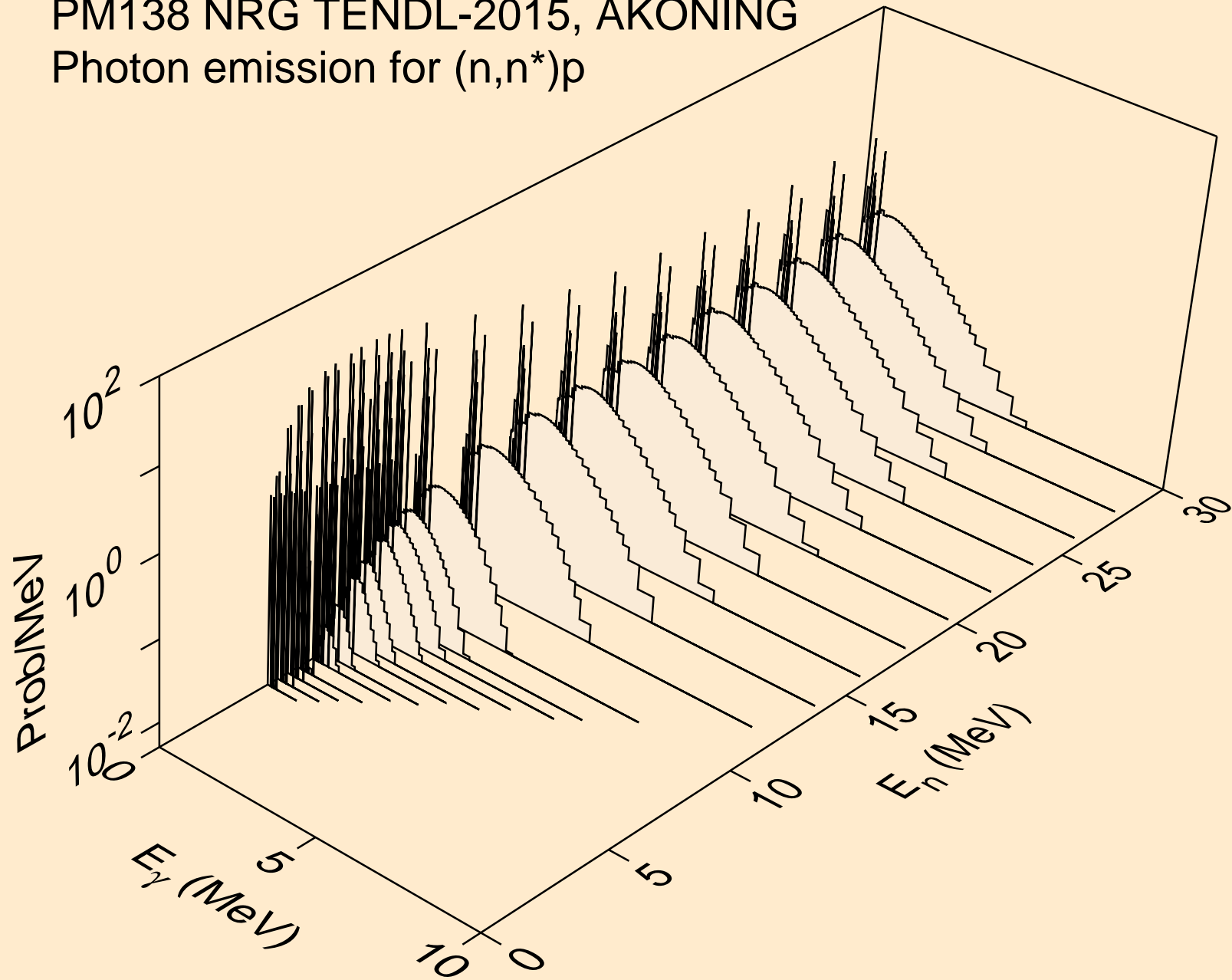




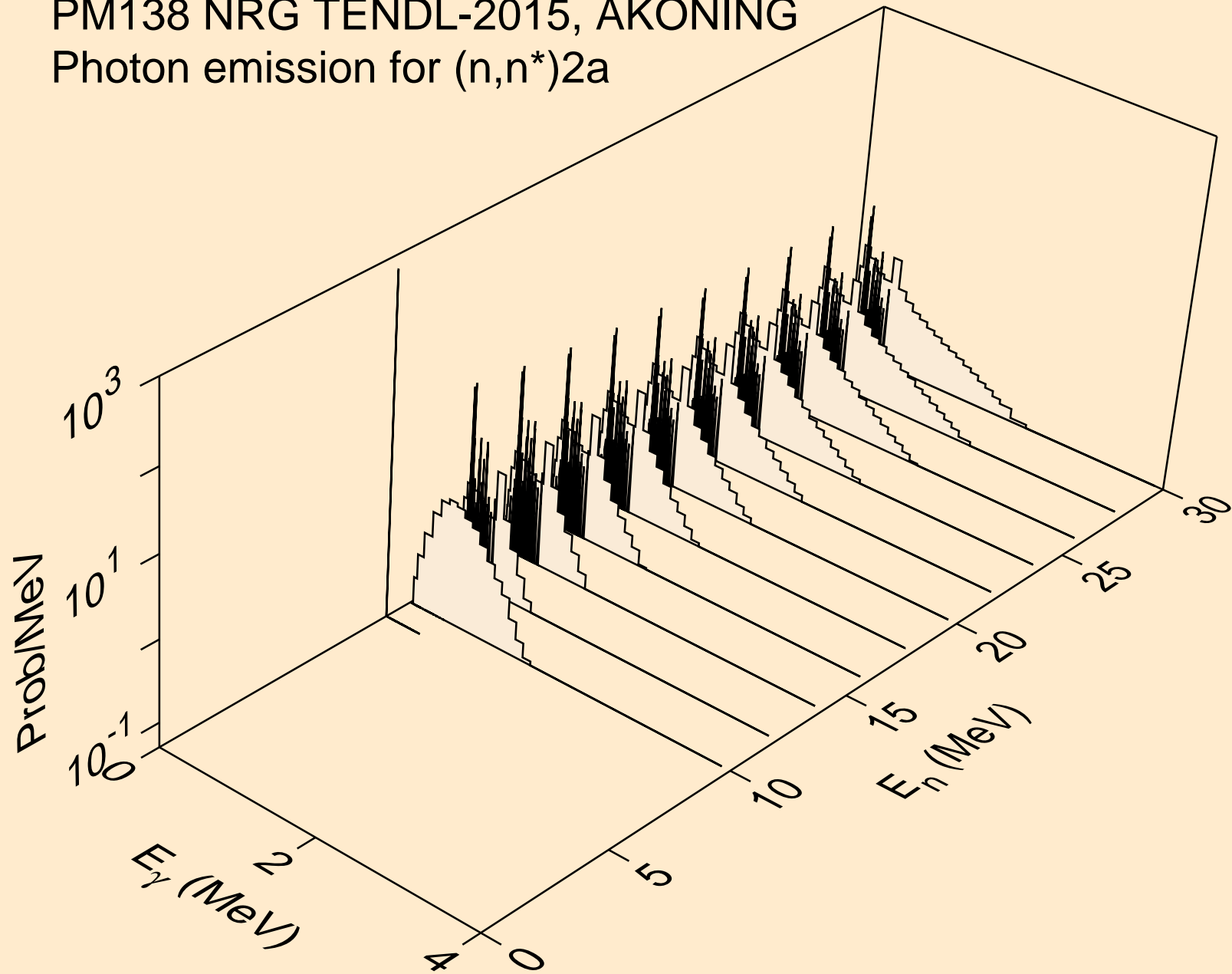
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



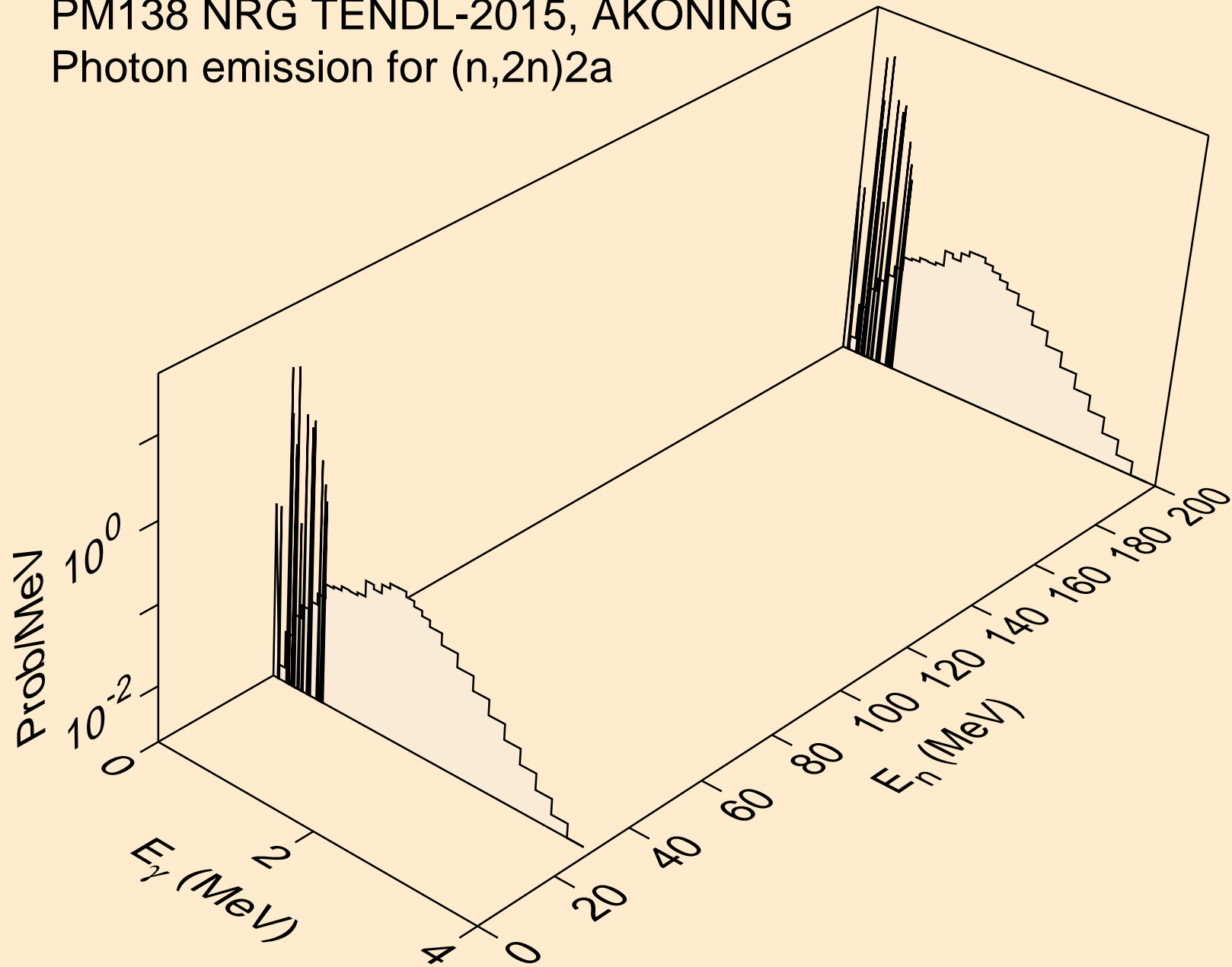
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



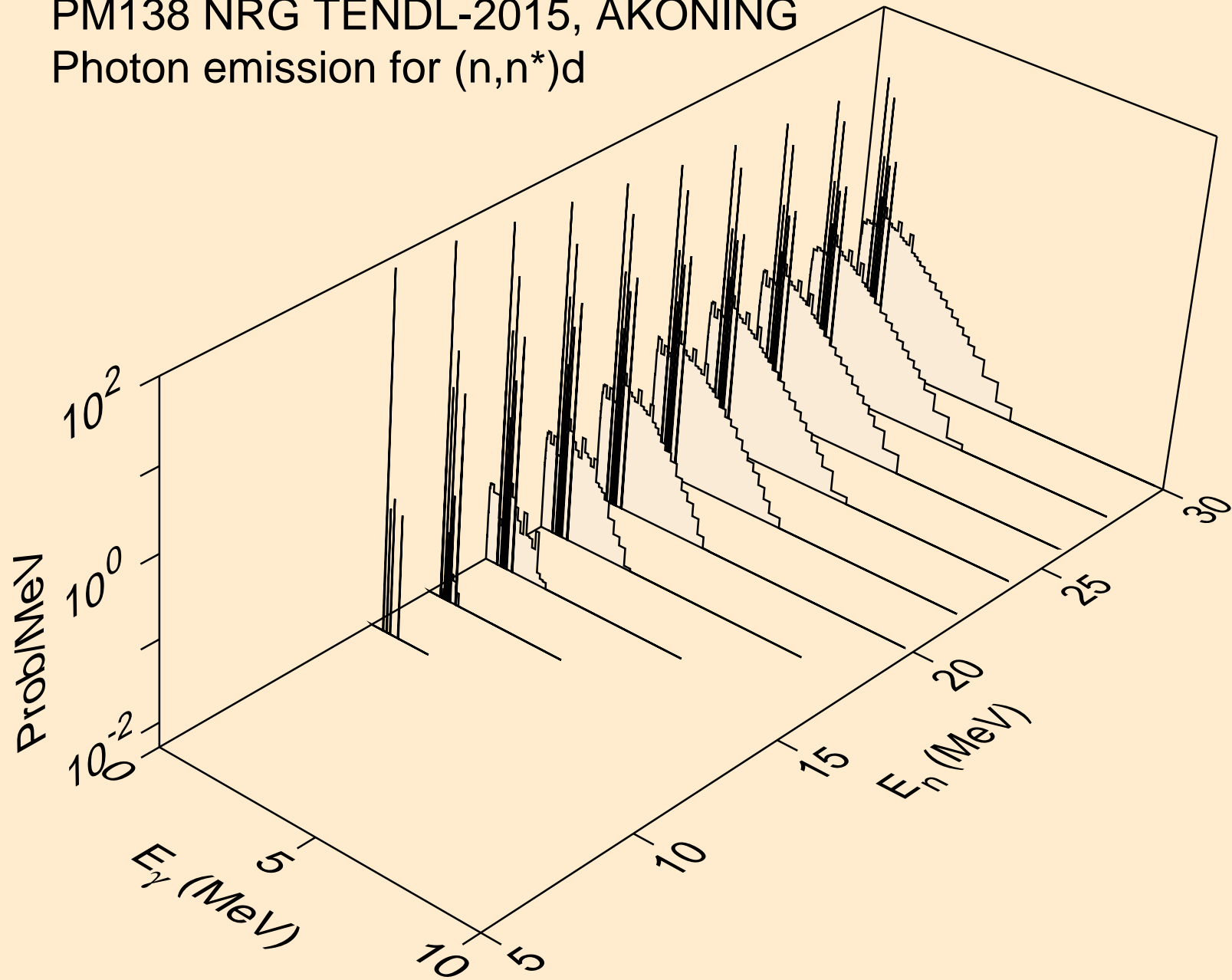
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



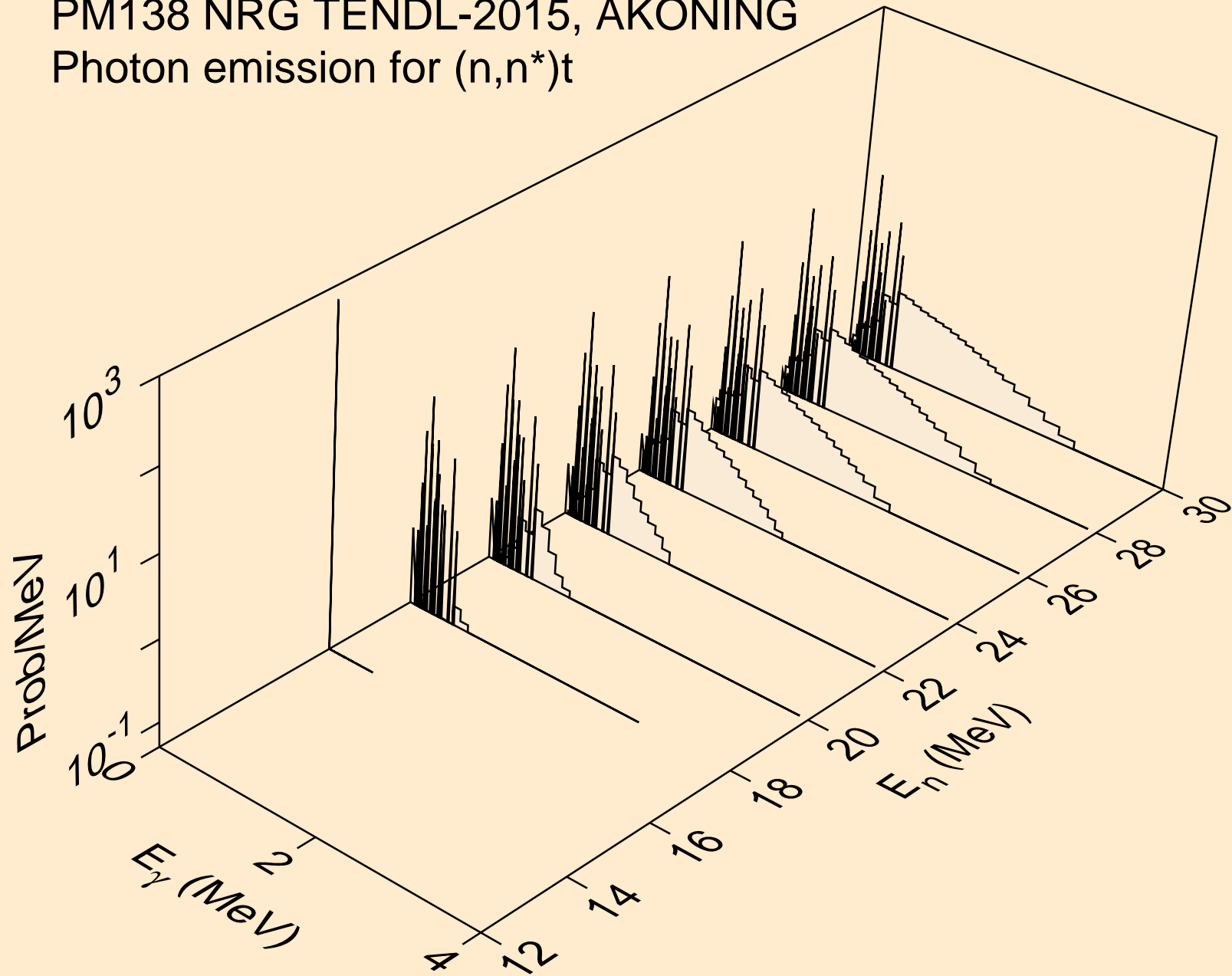
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



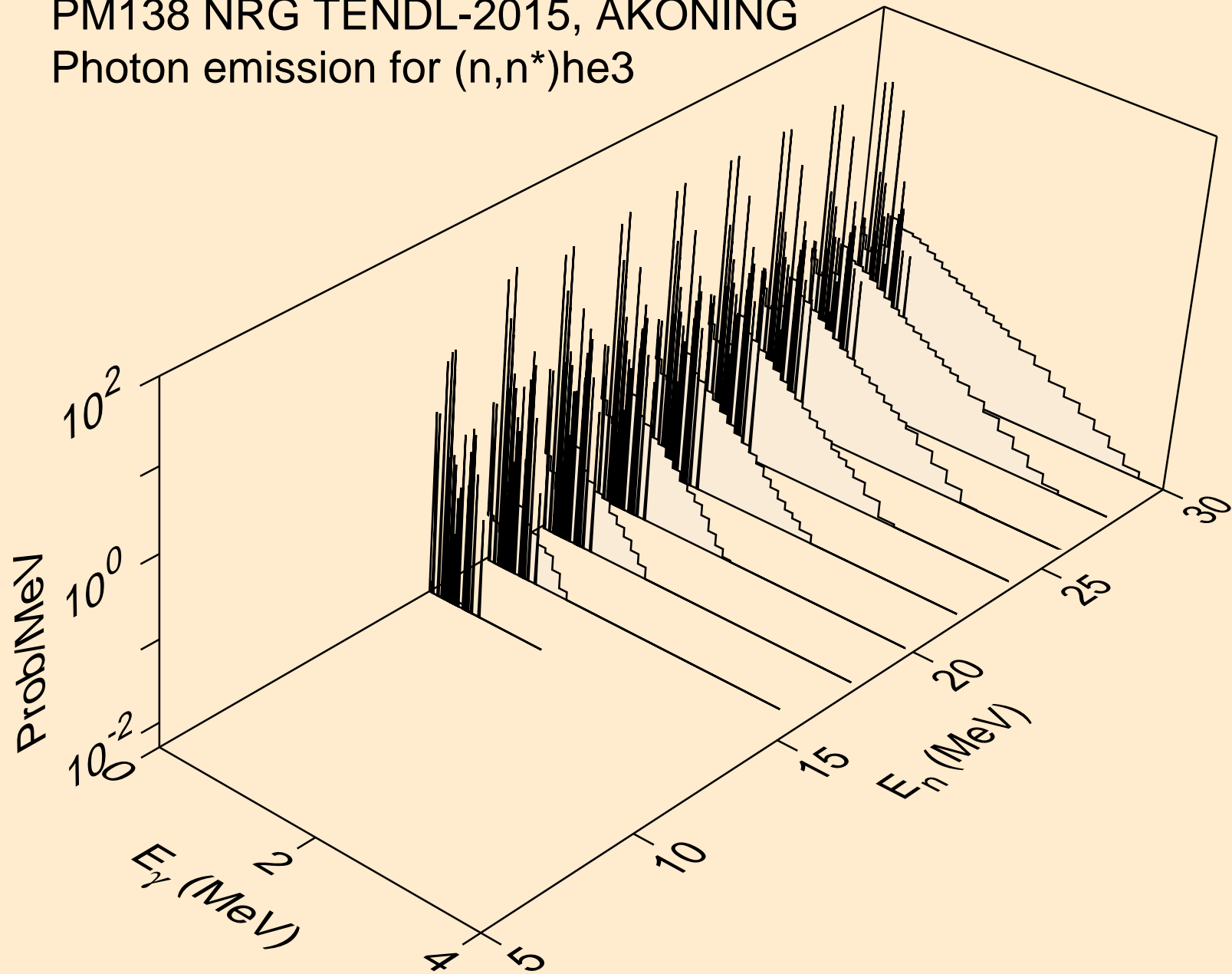
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



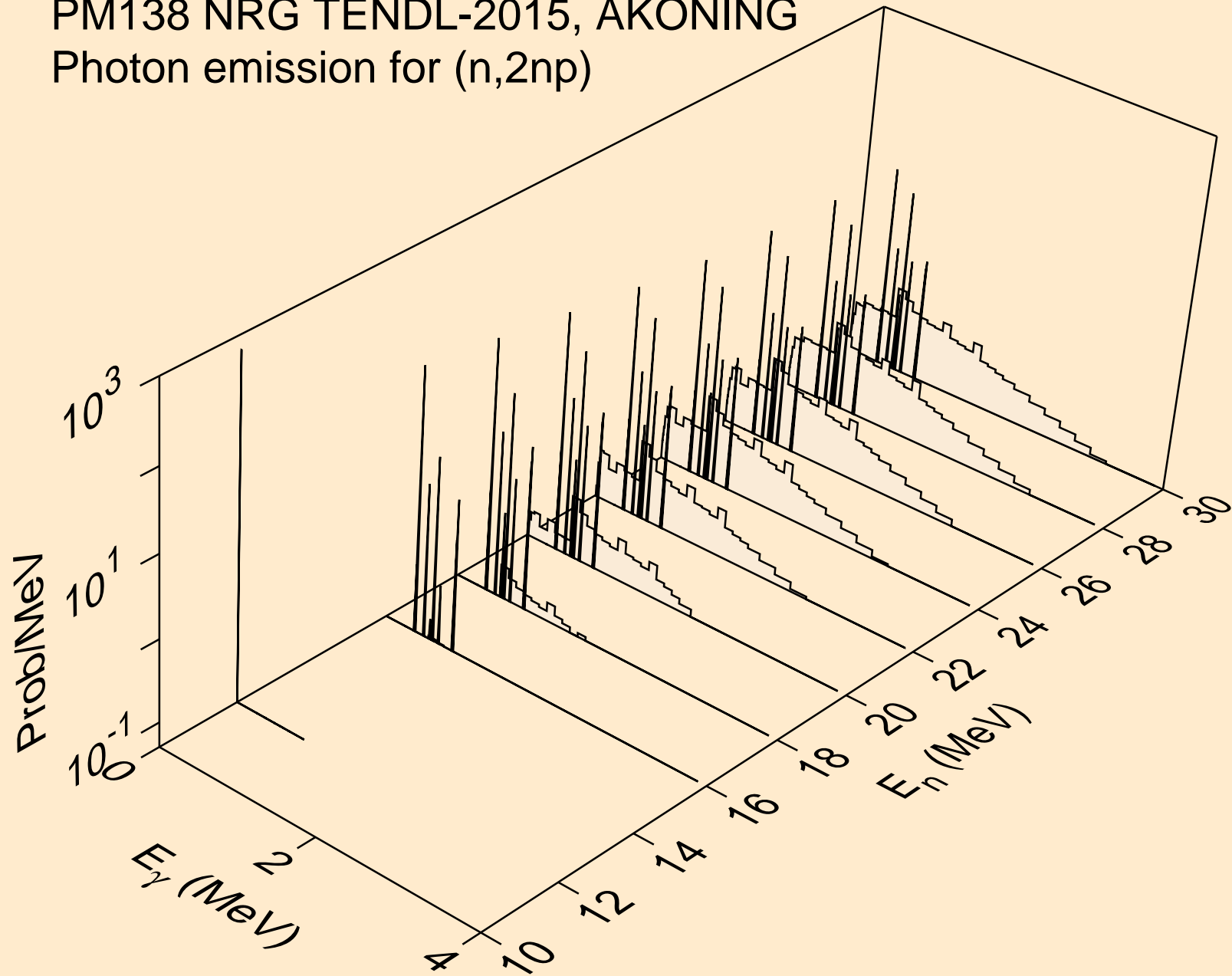
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

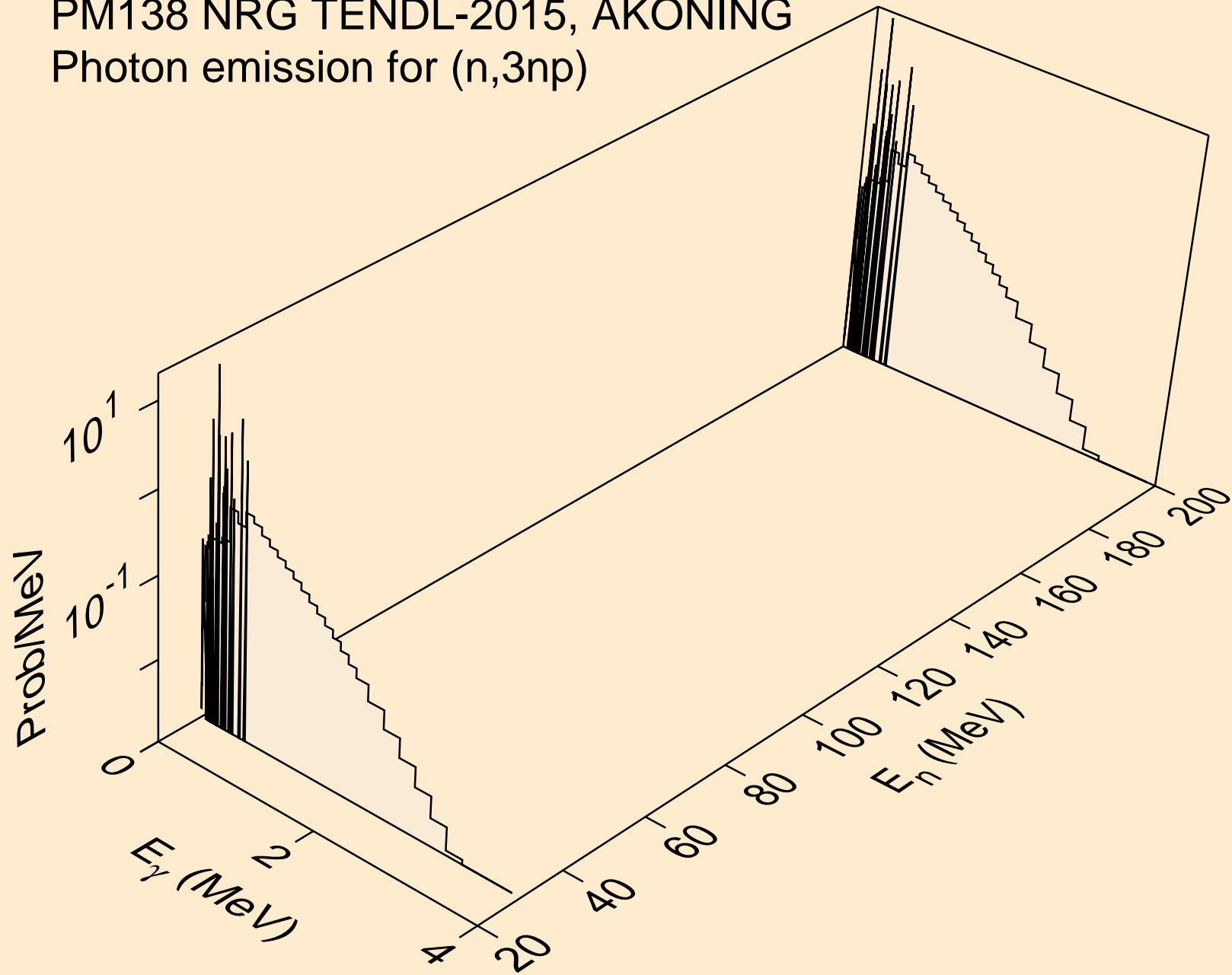


PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

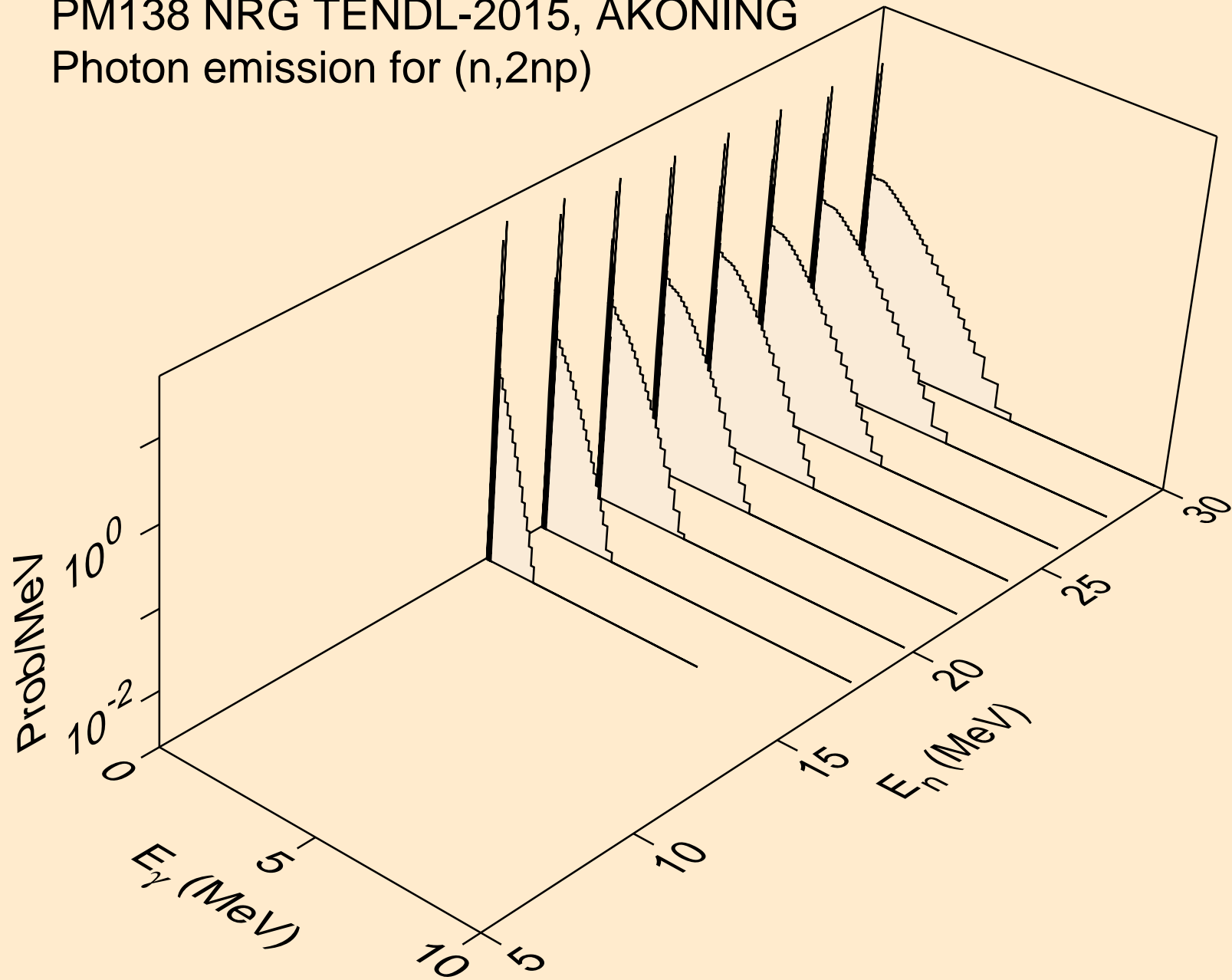




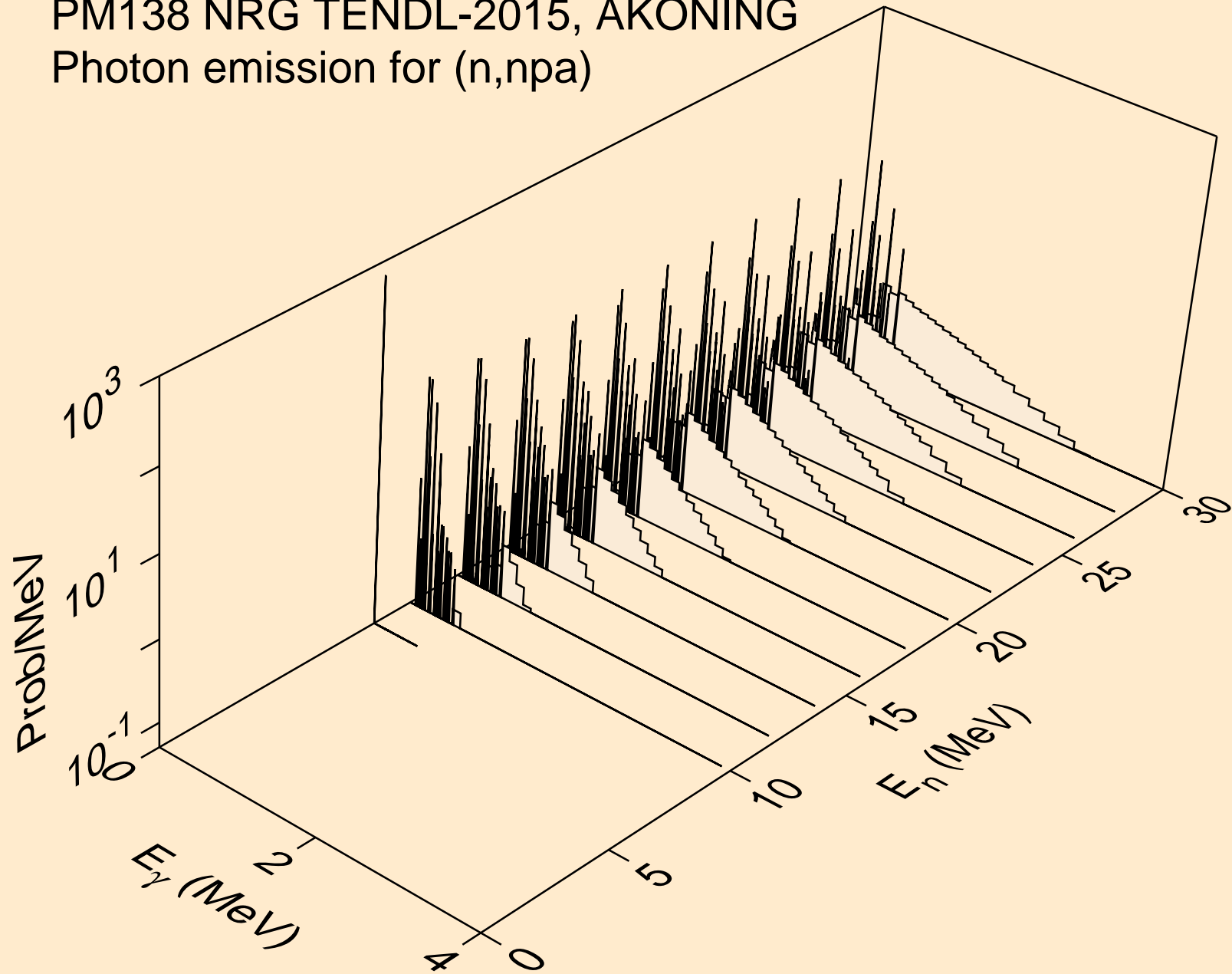
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



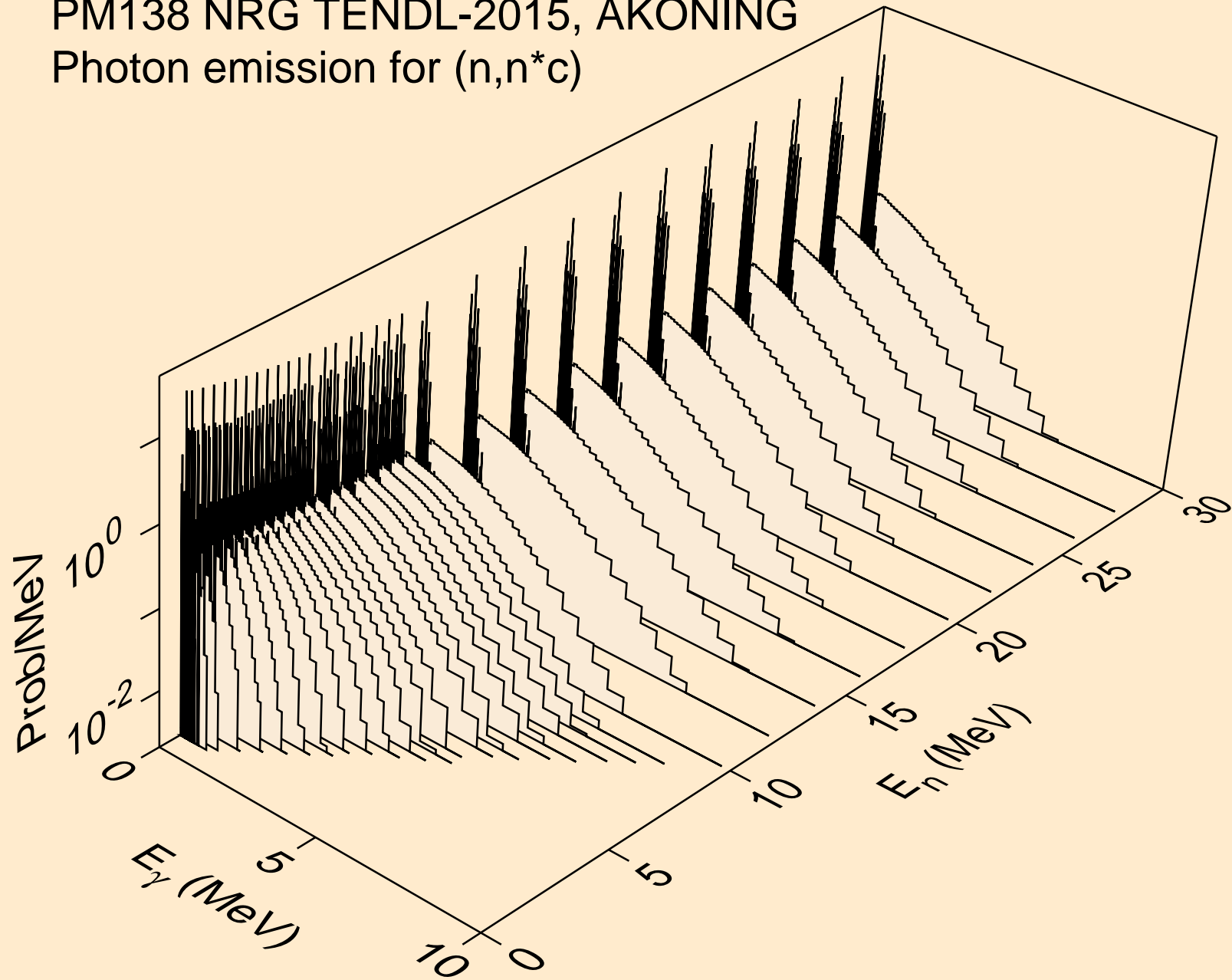
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



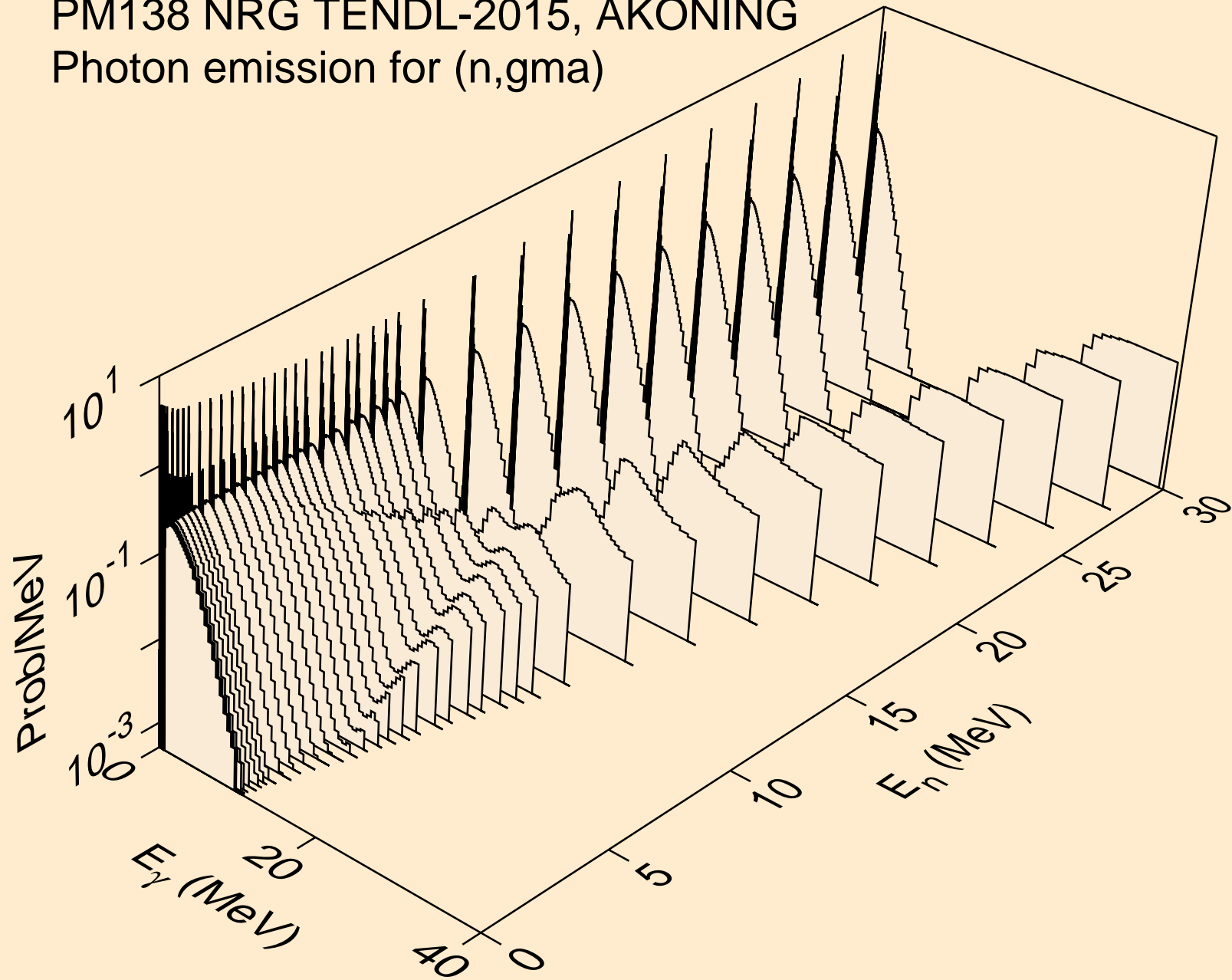
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



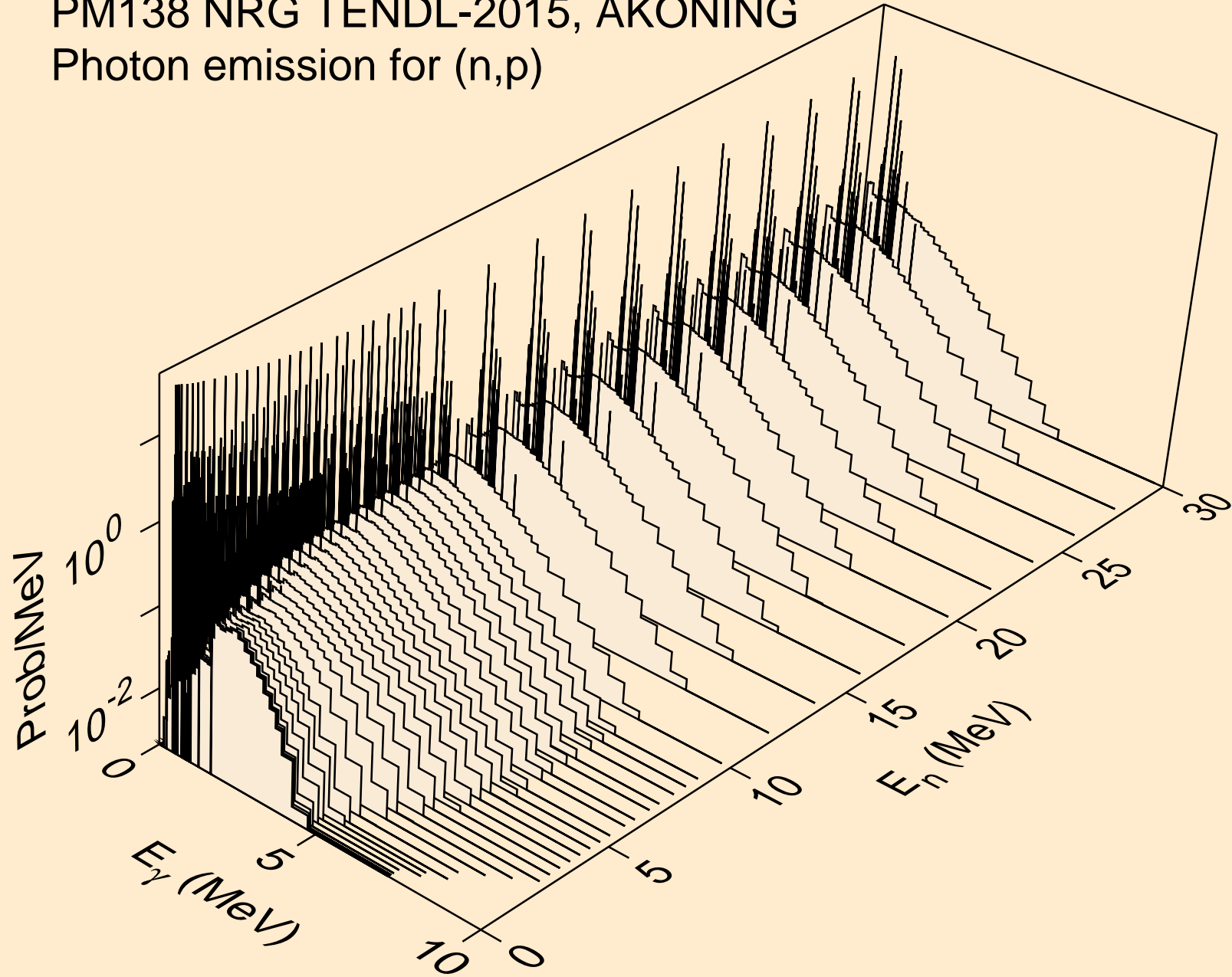
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



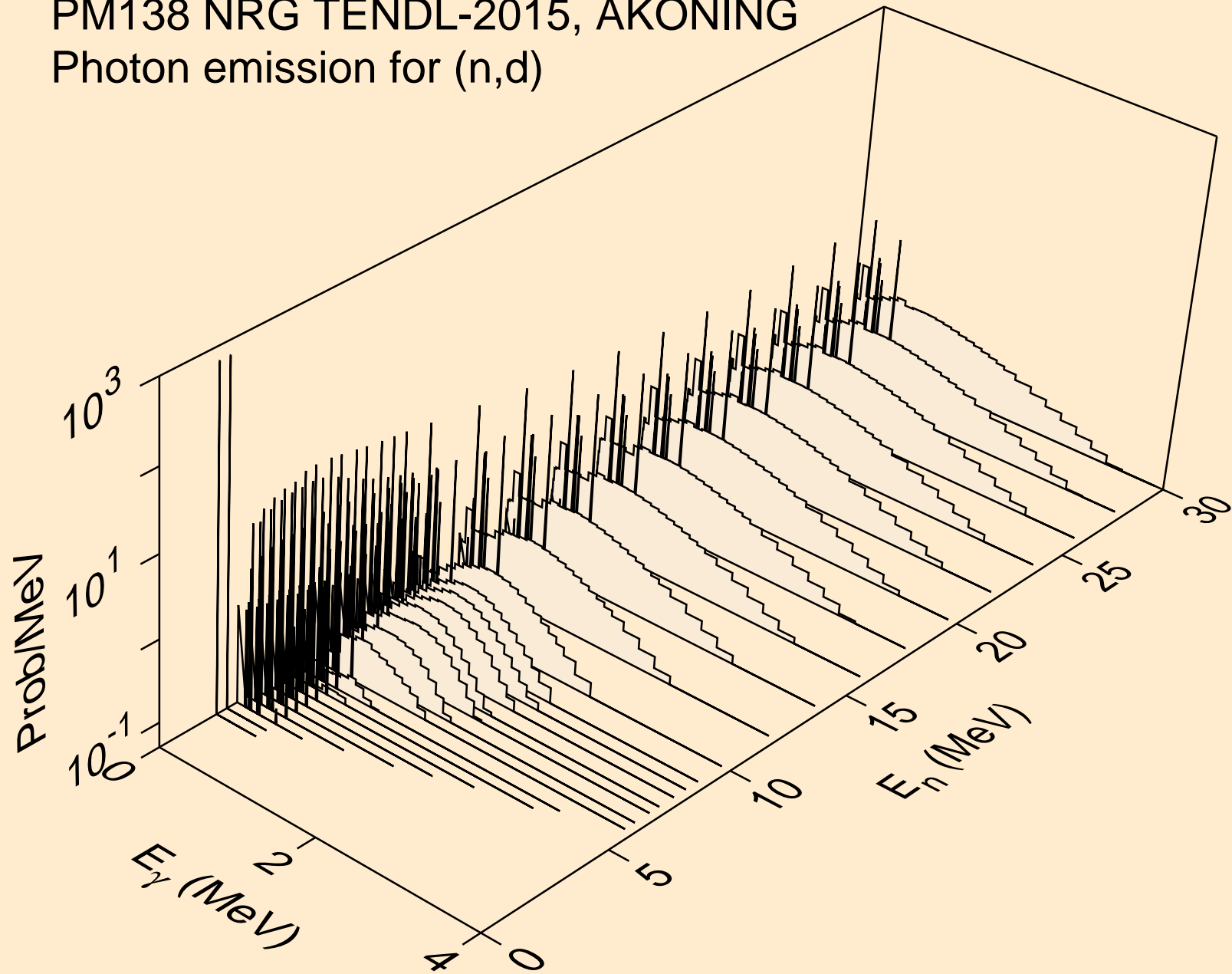
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



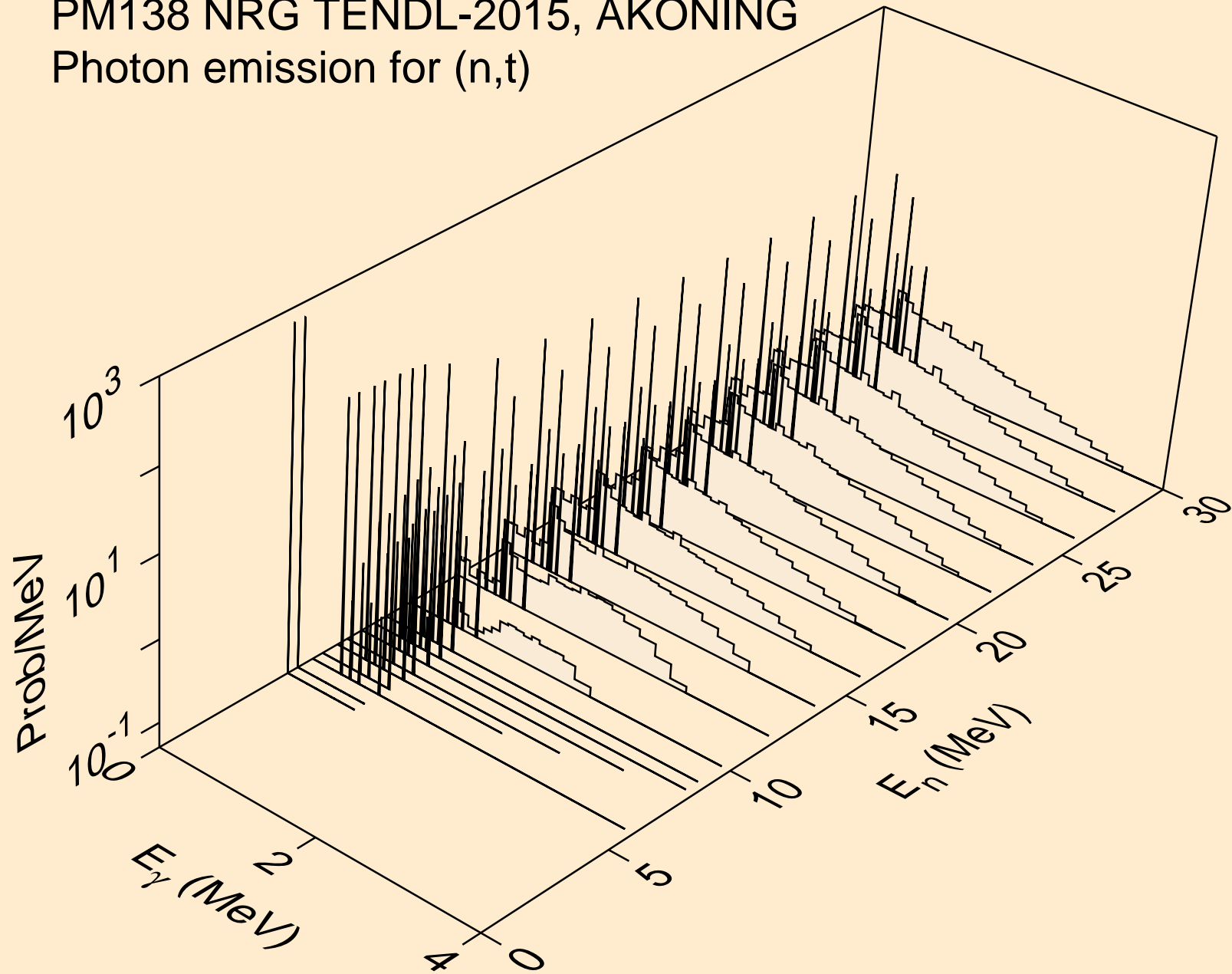
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

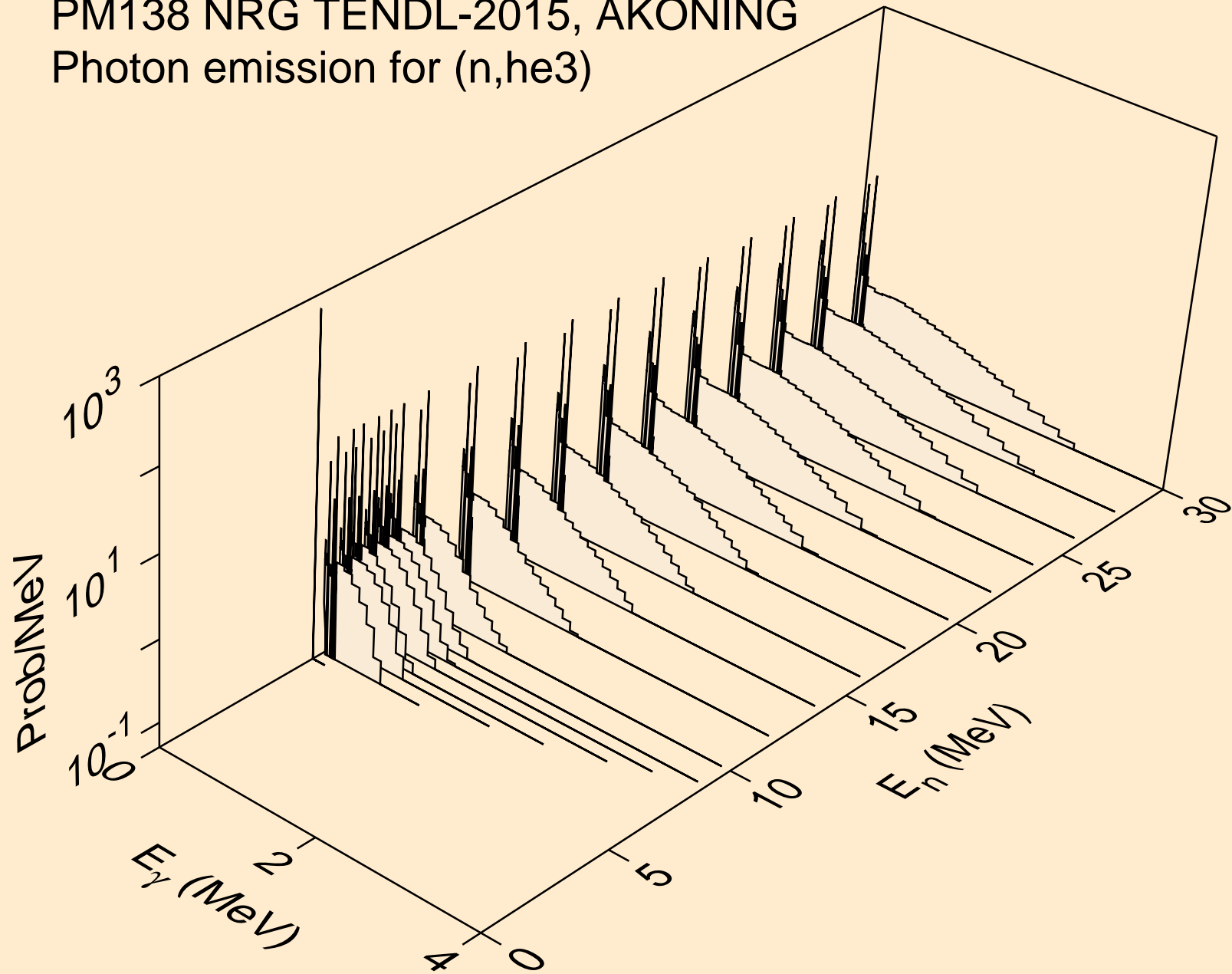


PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

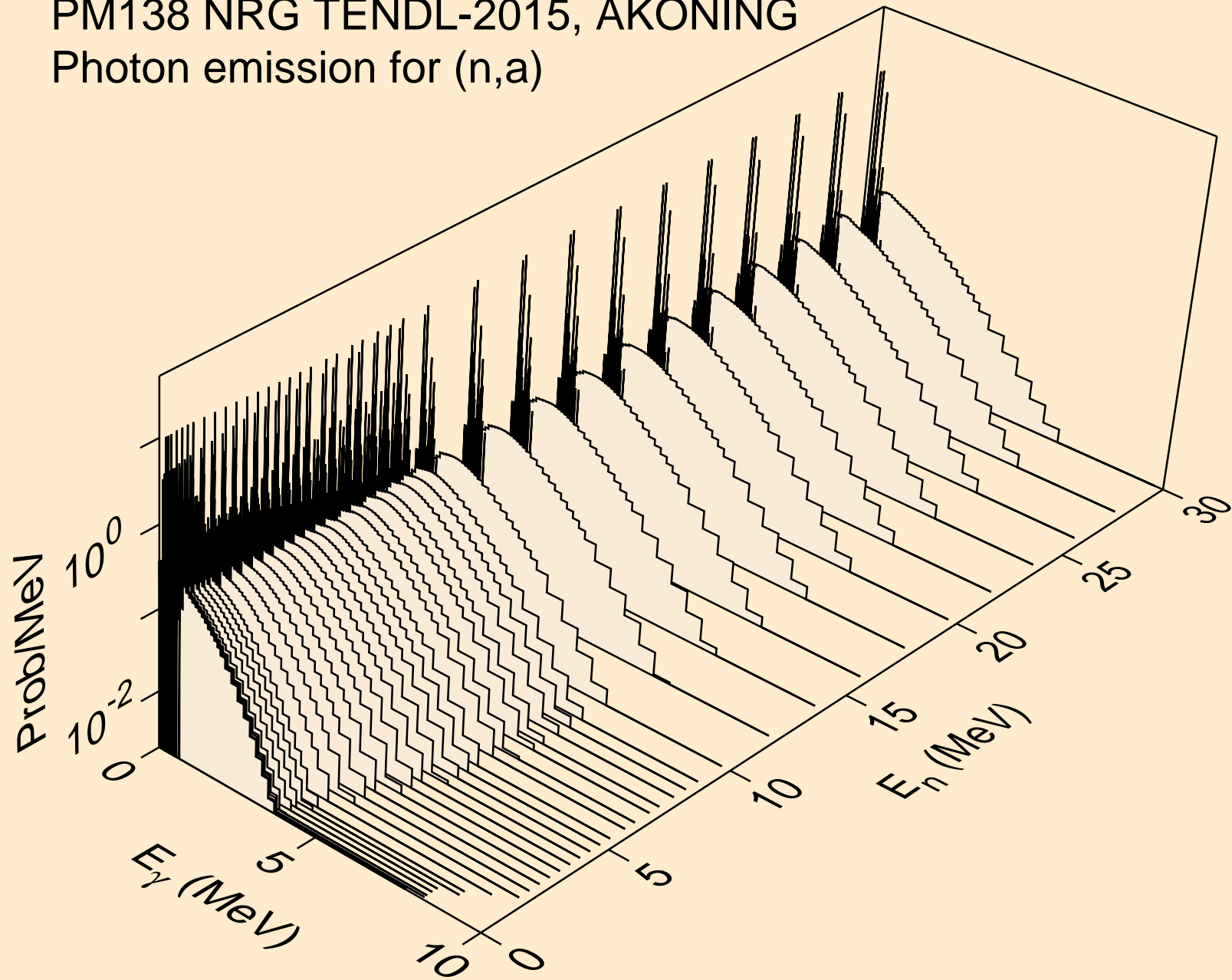




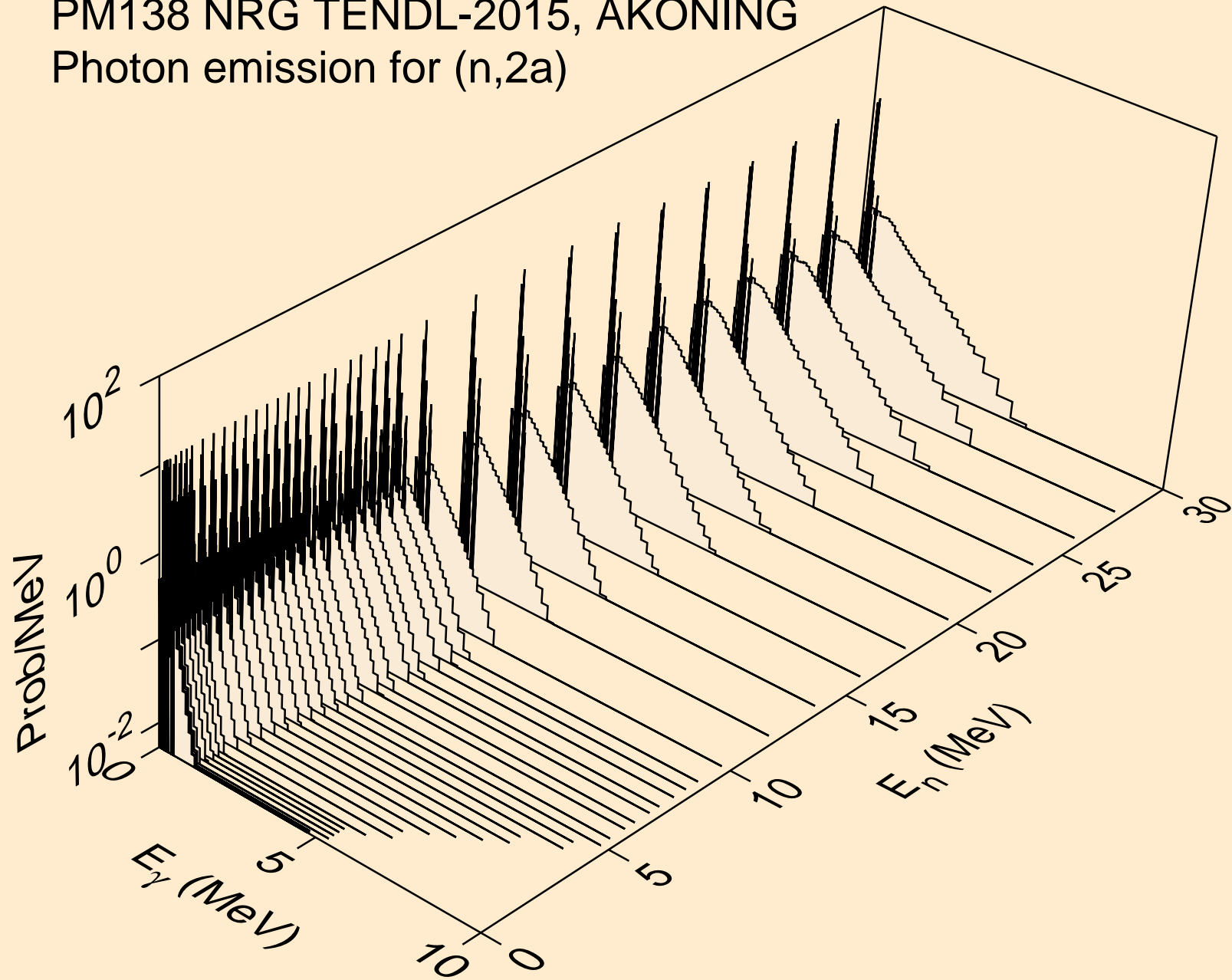
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



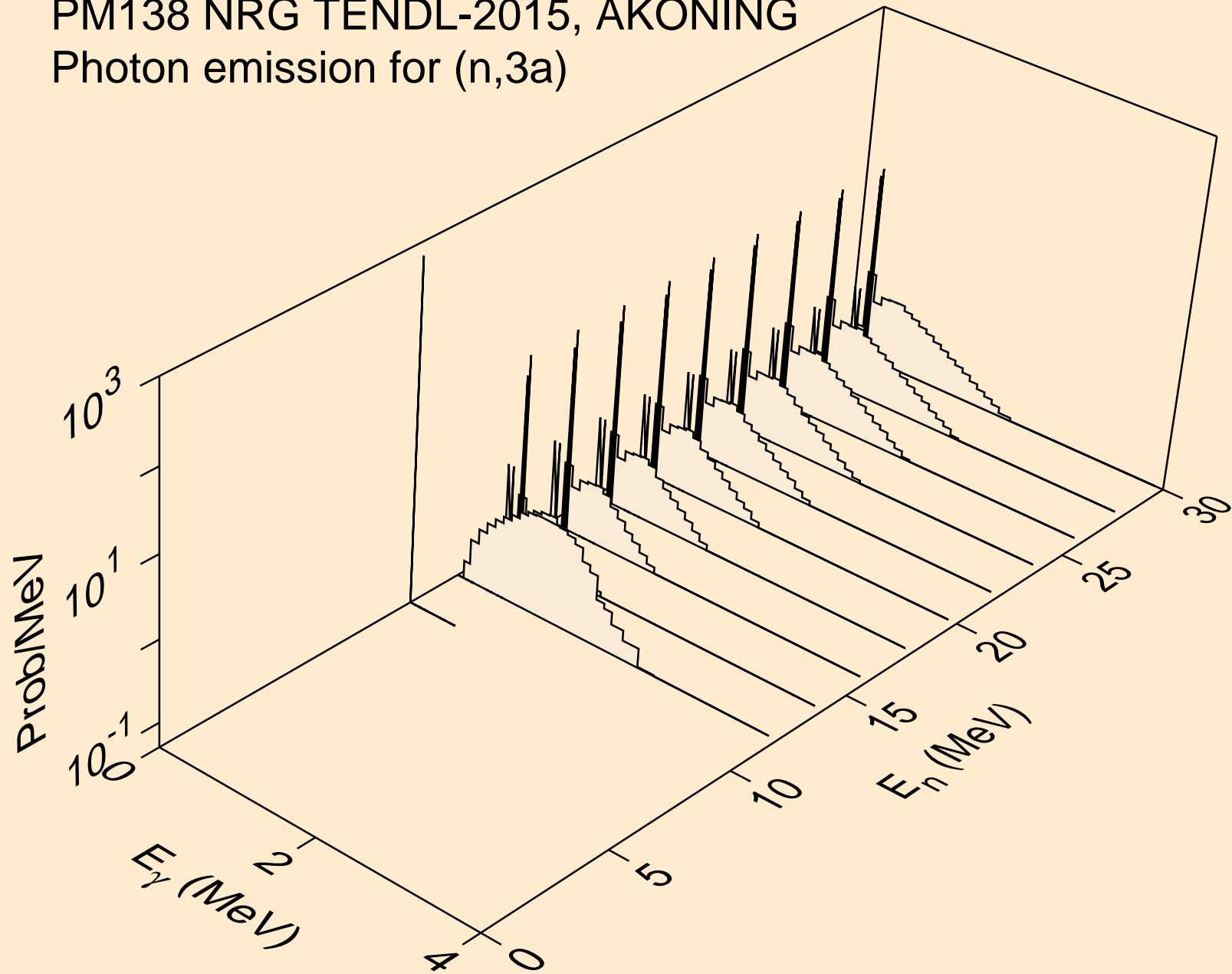
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



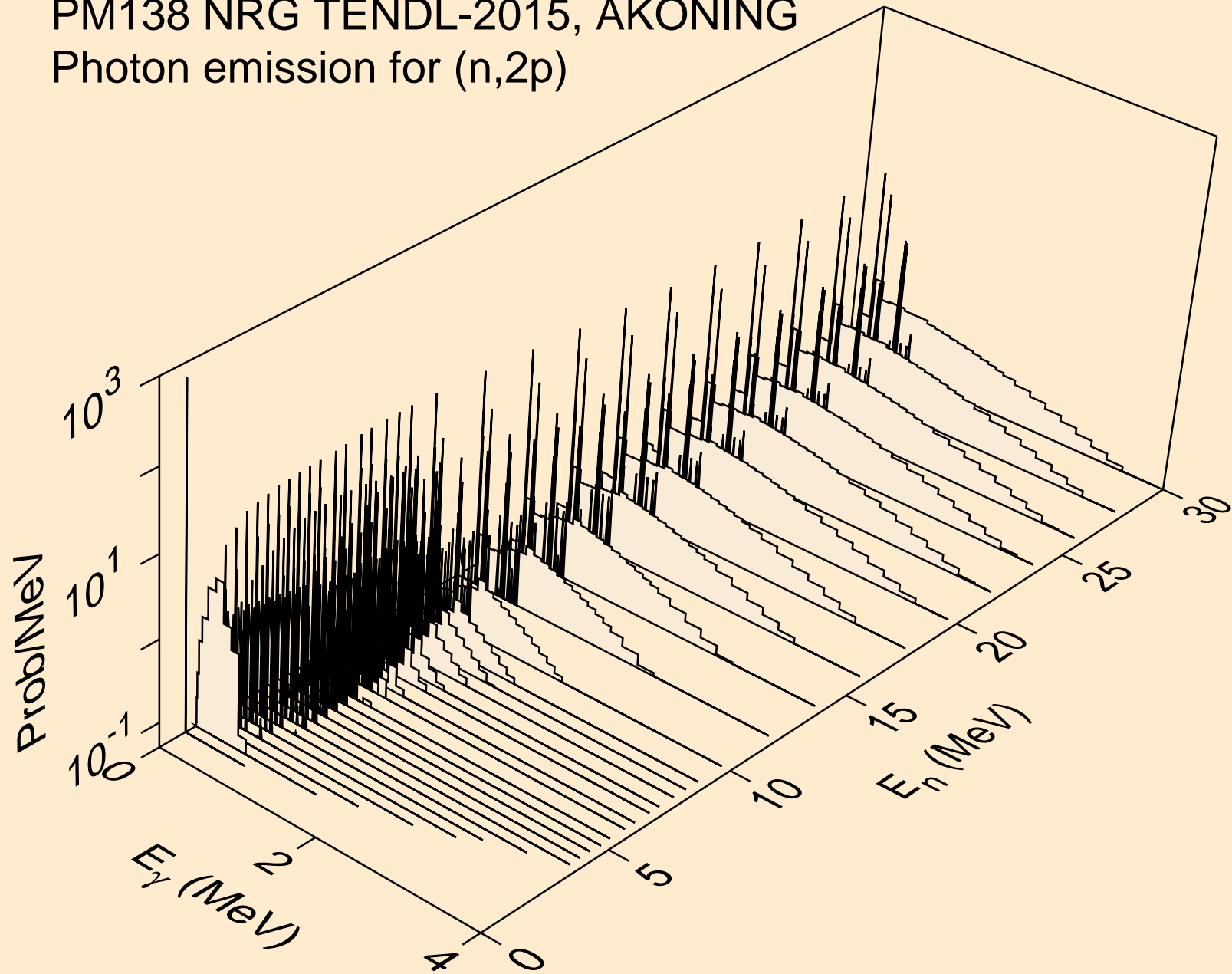
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



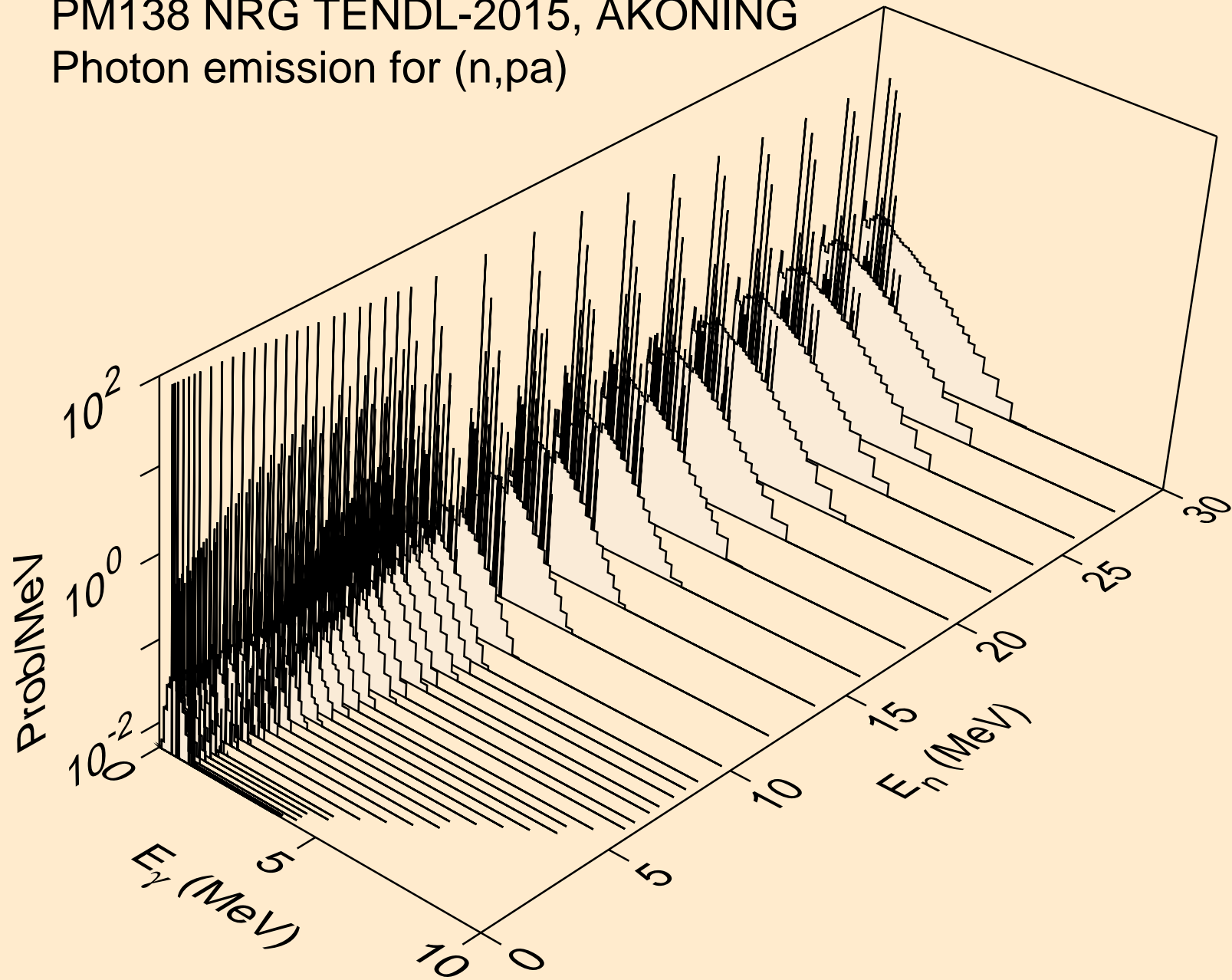
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



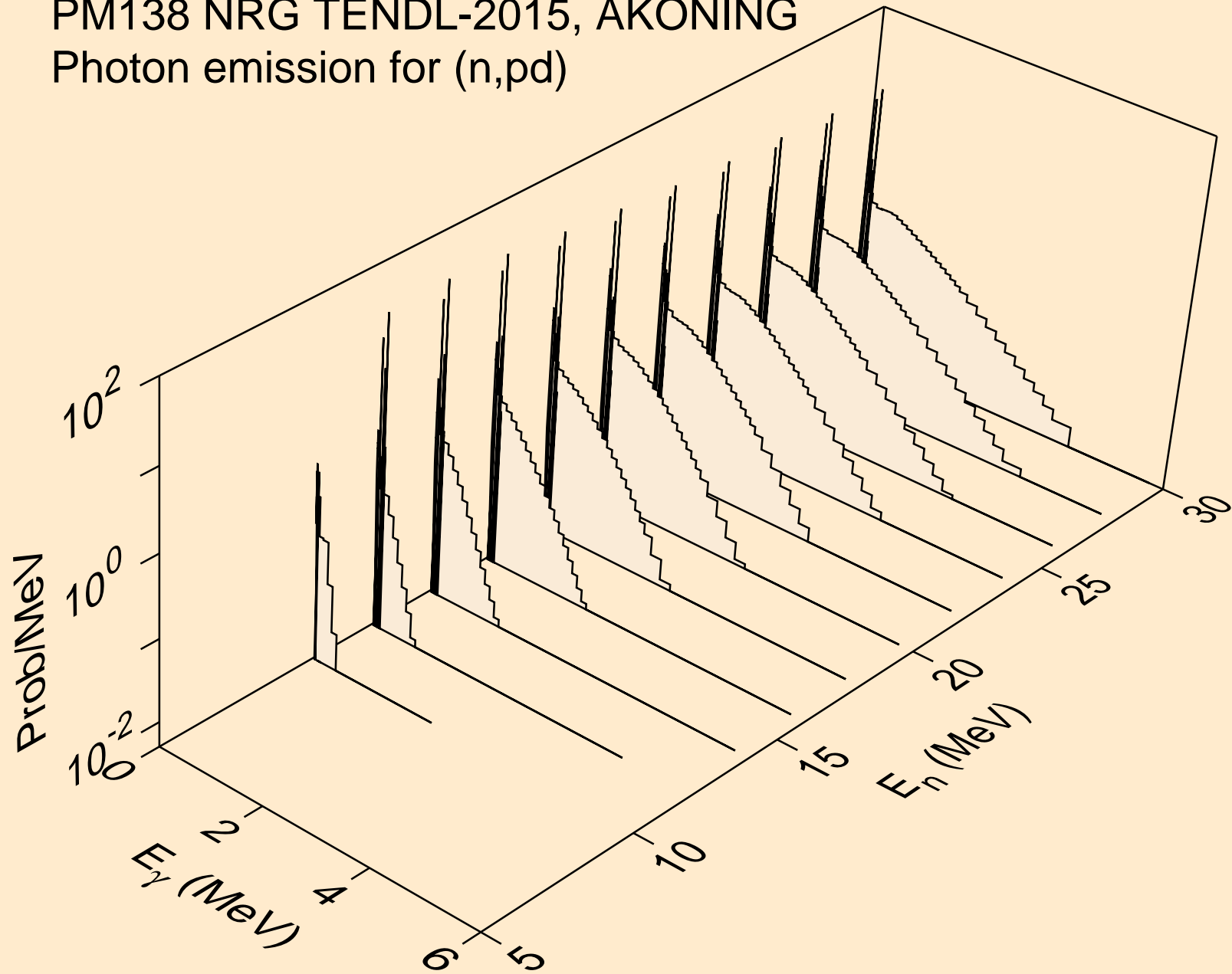
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



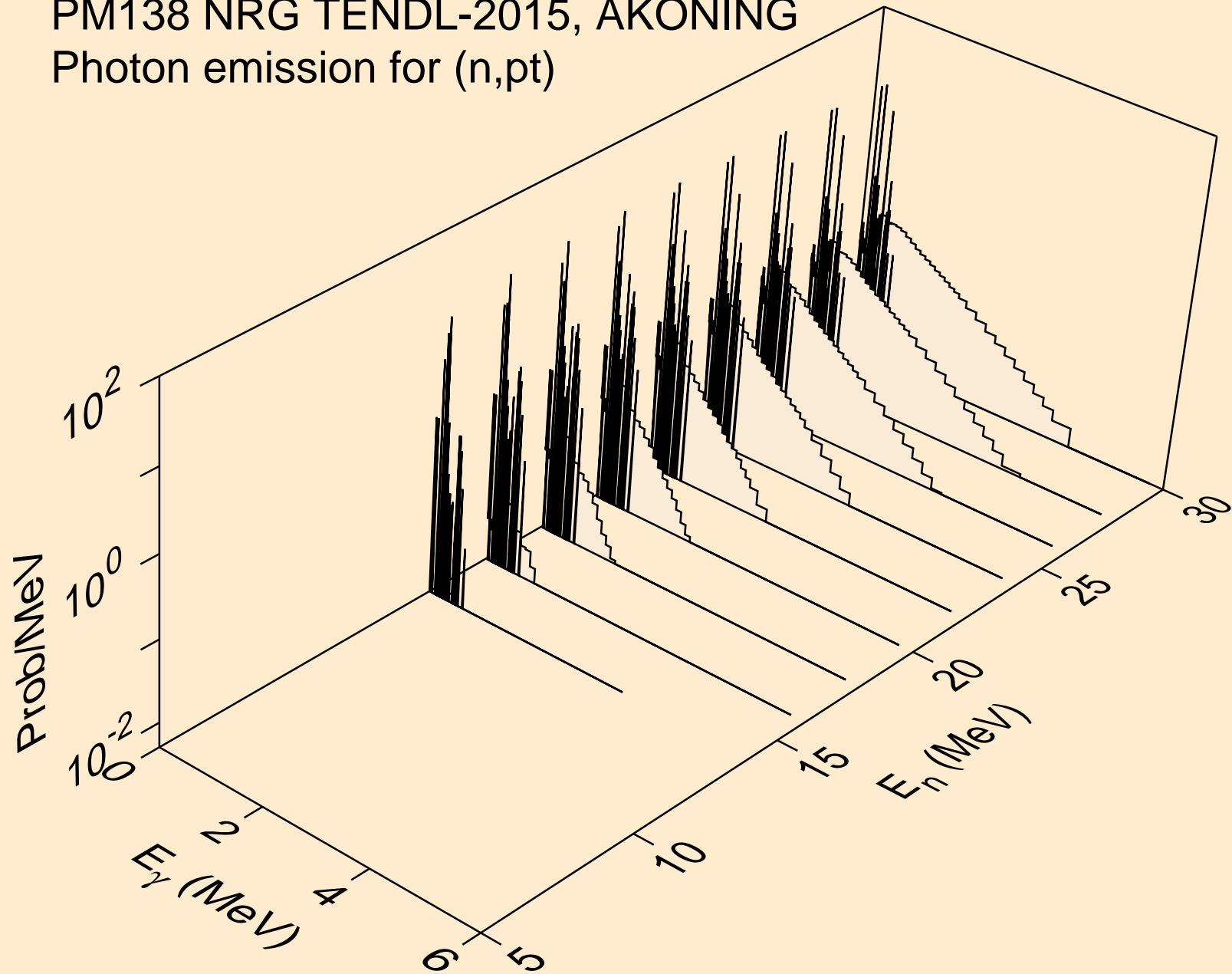
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

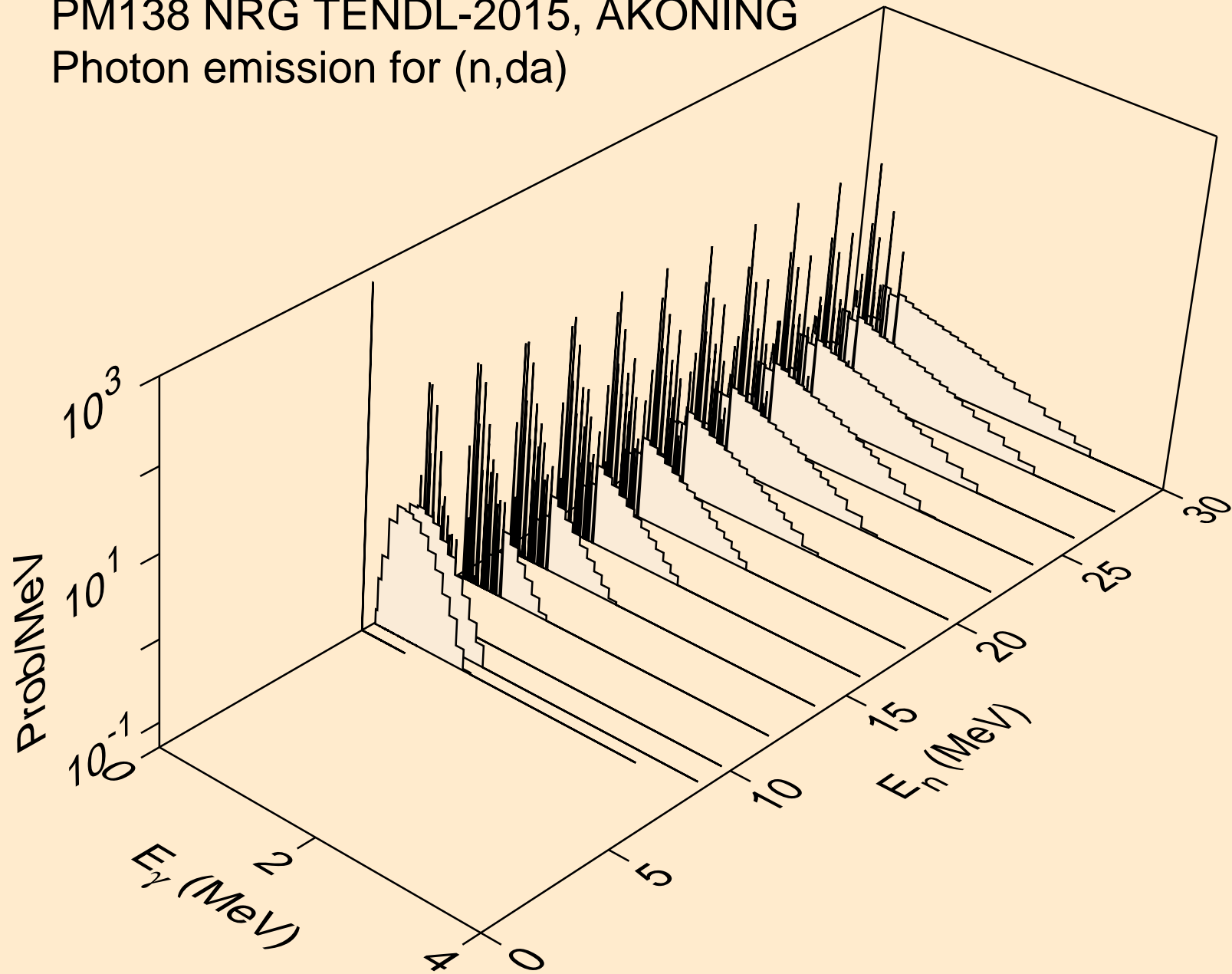


PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

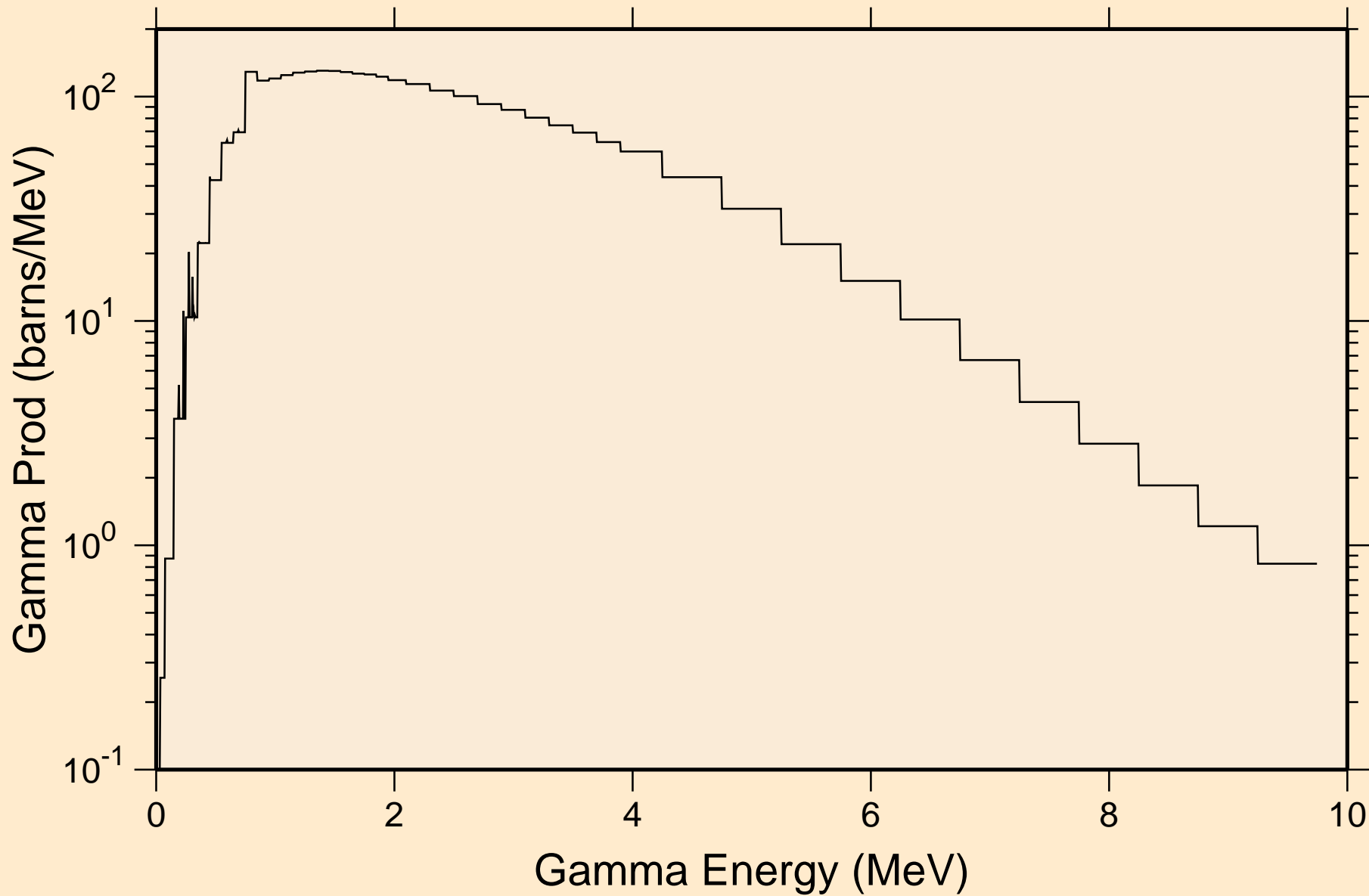




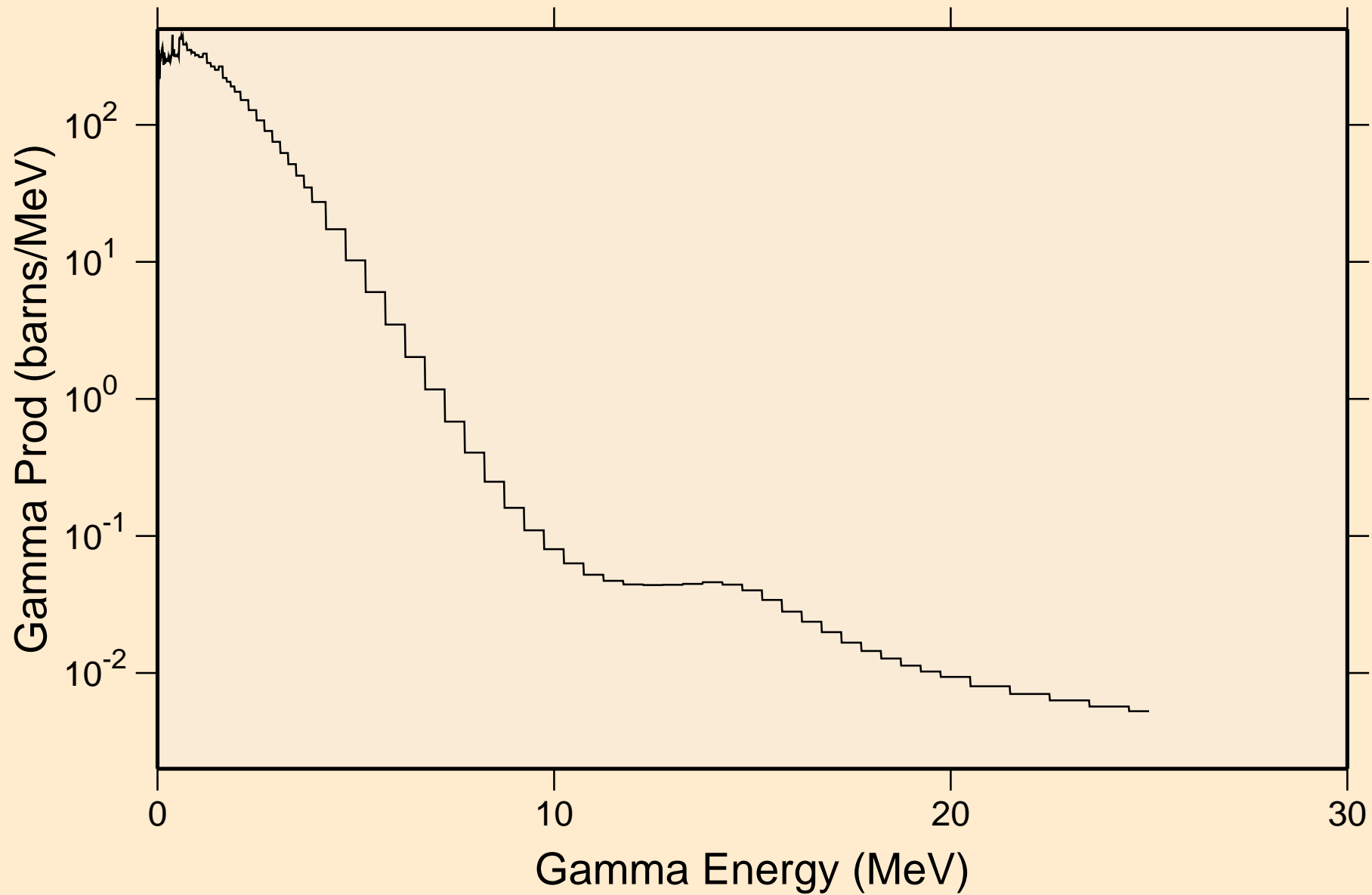
PM138 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



PM138 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

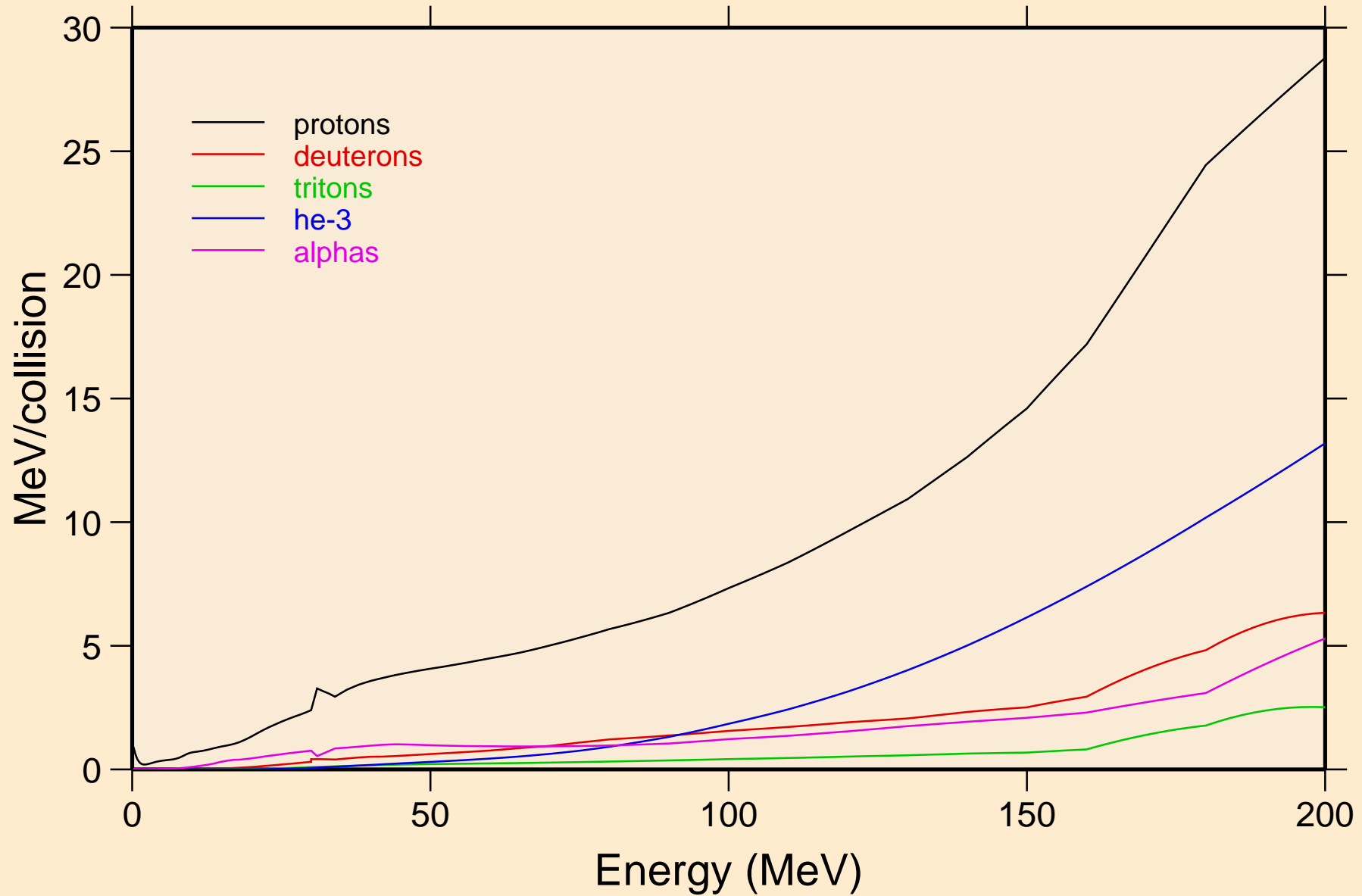


PM138 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



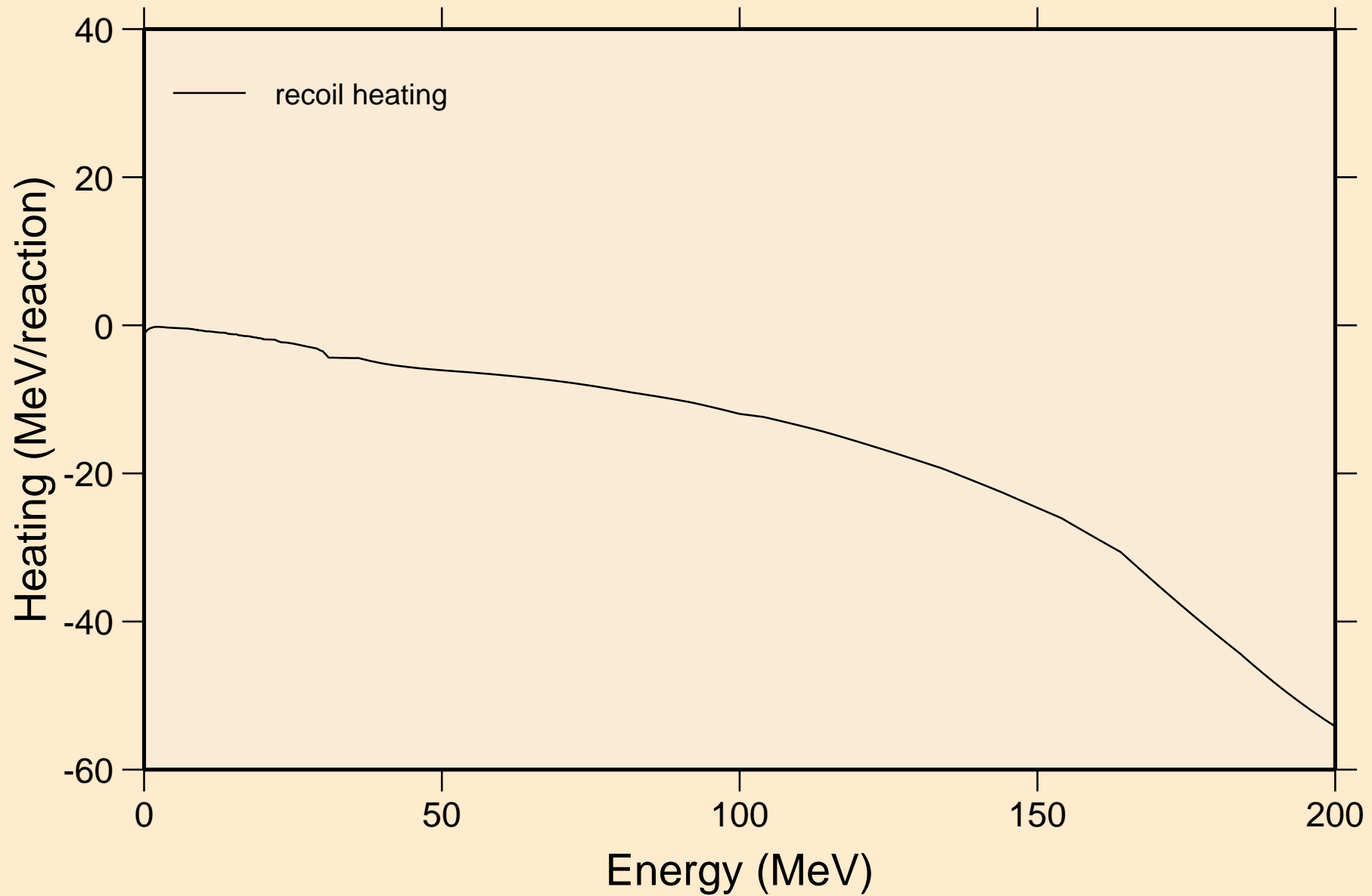
# PM138 NRG TENDL-2015, AKONING

## Particle heating contributions



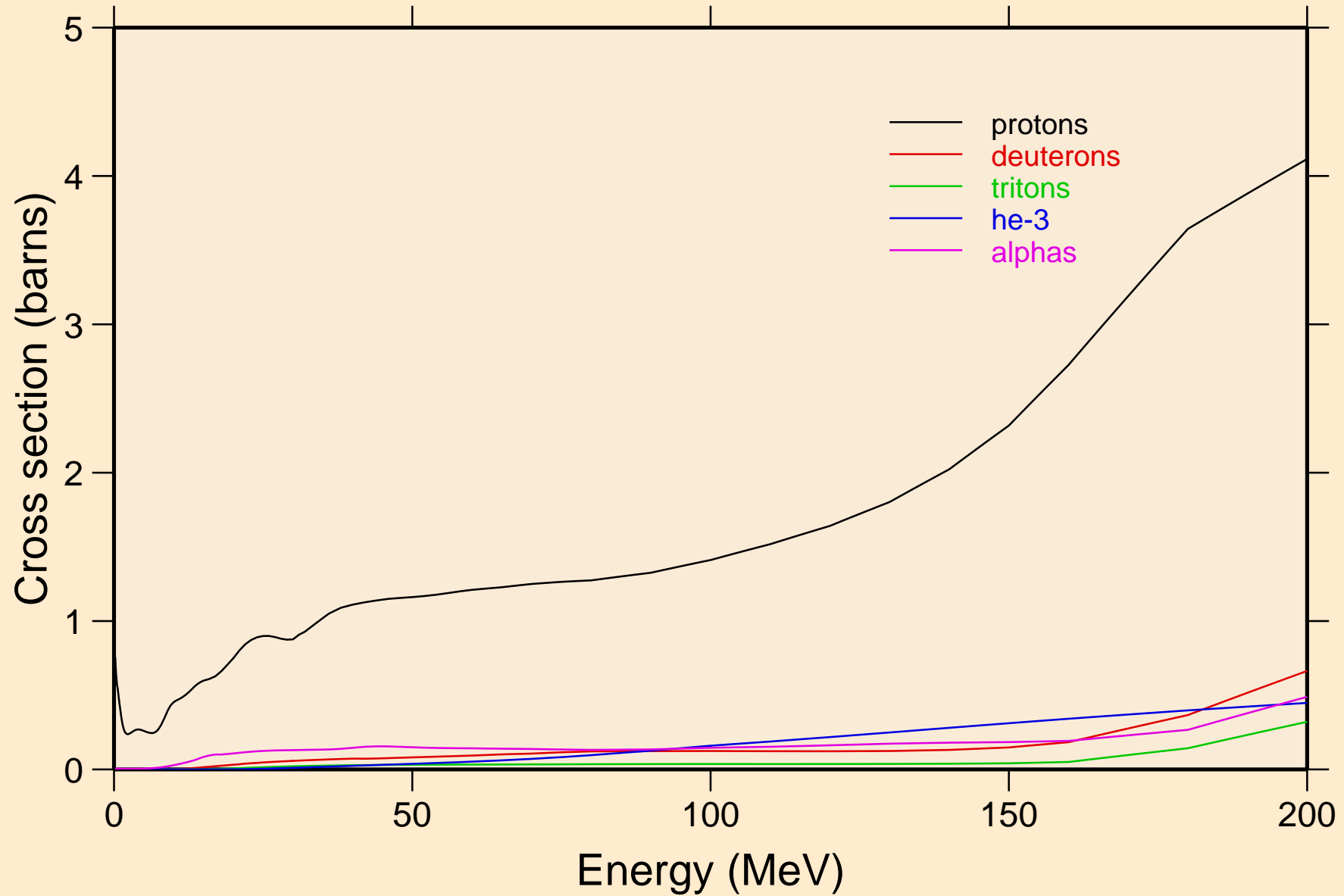
# PM138 NRG TENDL-2015, AKONING

## Recoil Heating

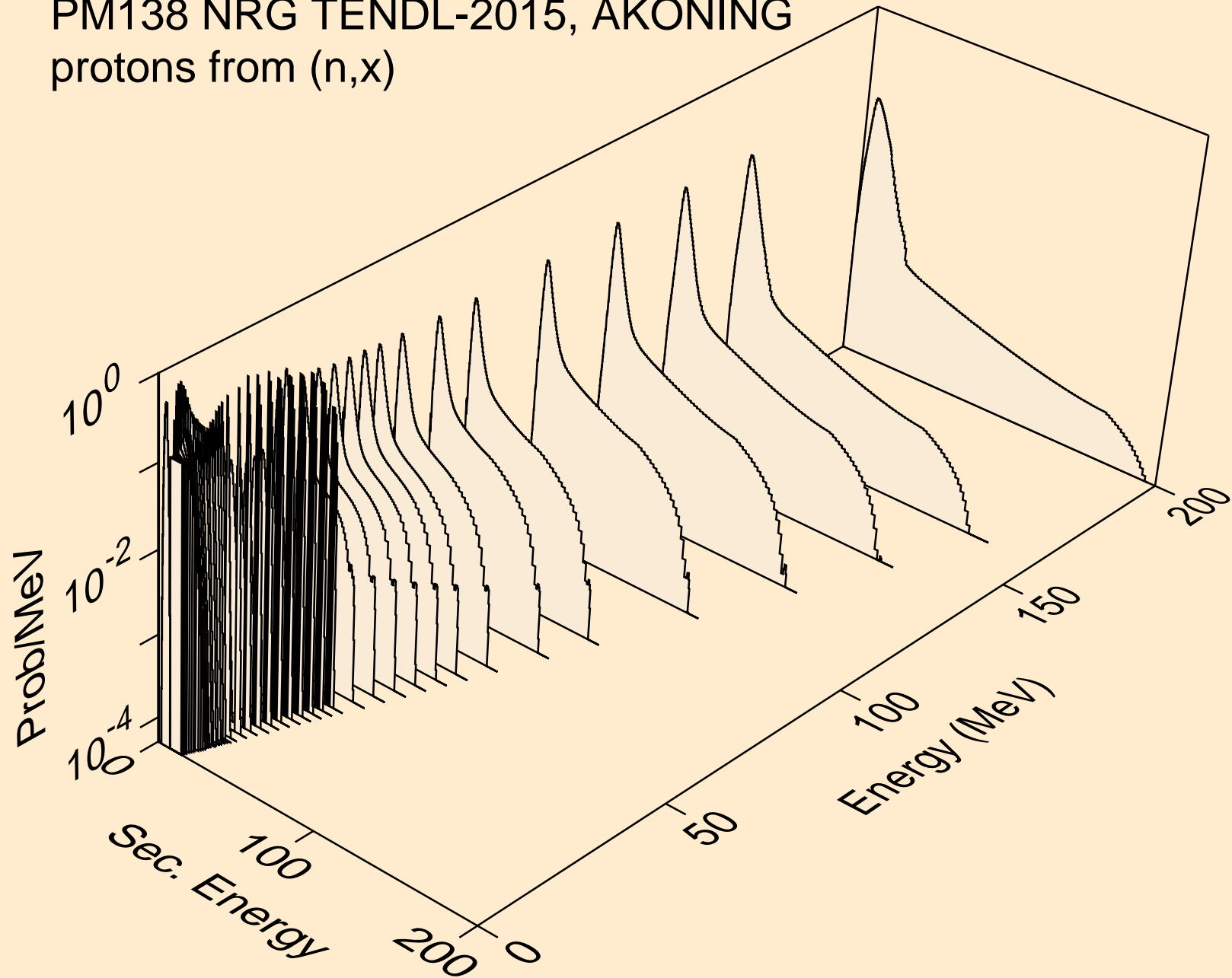


# PM138 NRG TENDL-2015, AKONING

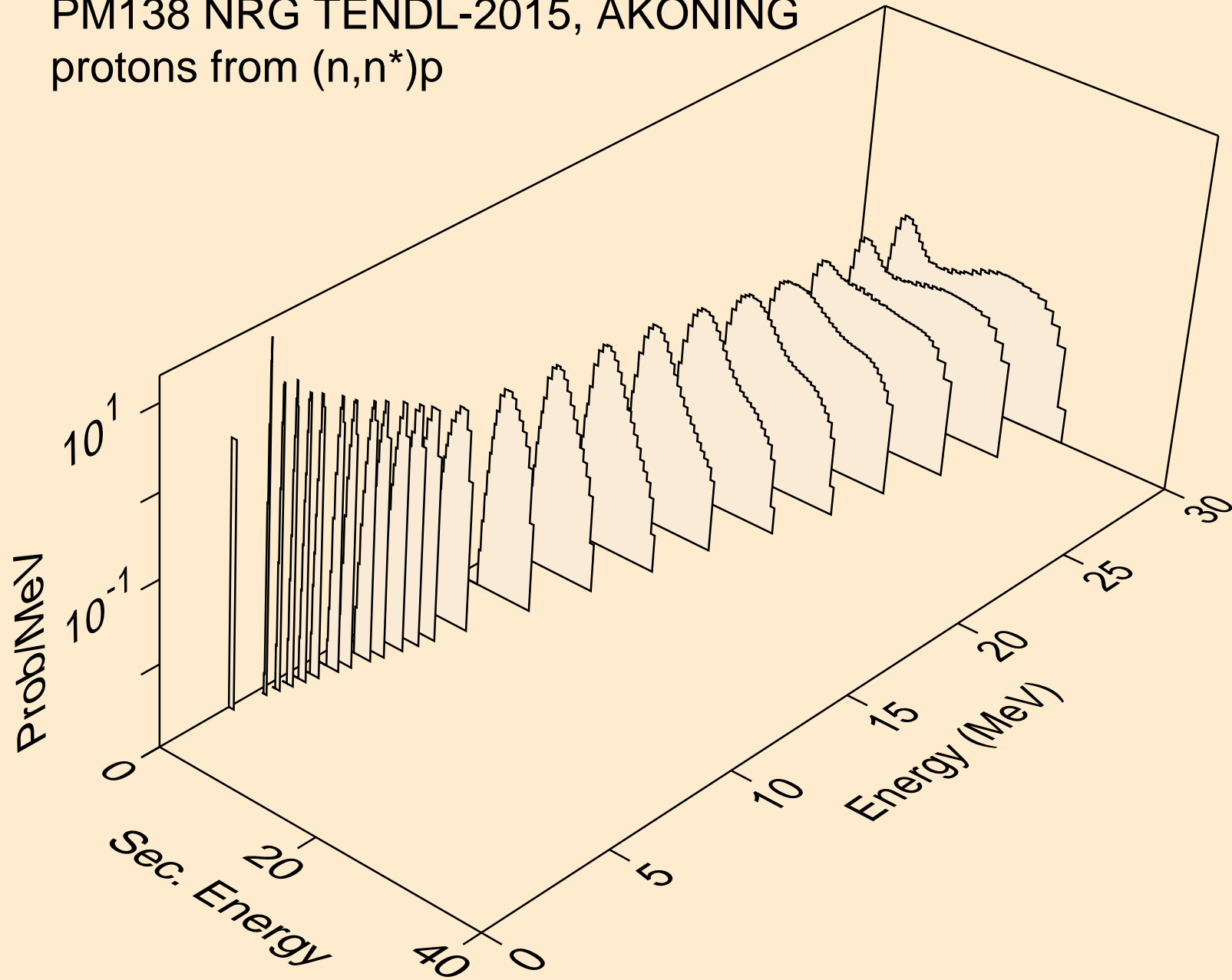
## Particle production cross sections



PM138 NRG TENDL-2015, AKONING  
protons from (n,x)

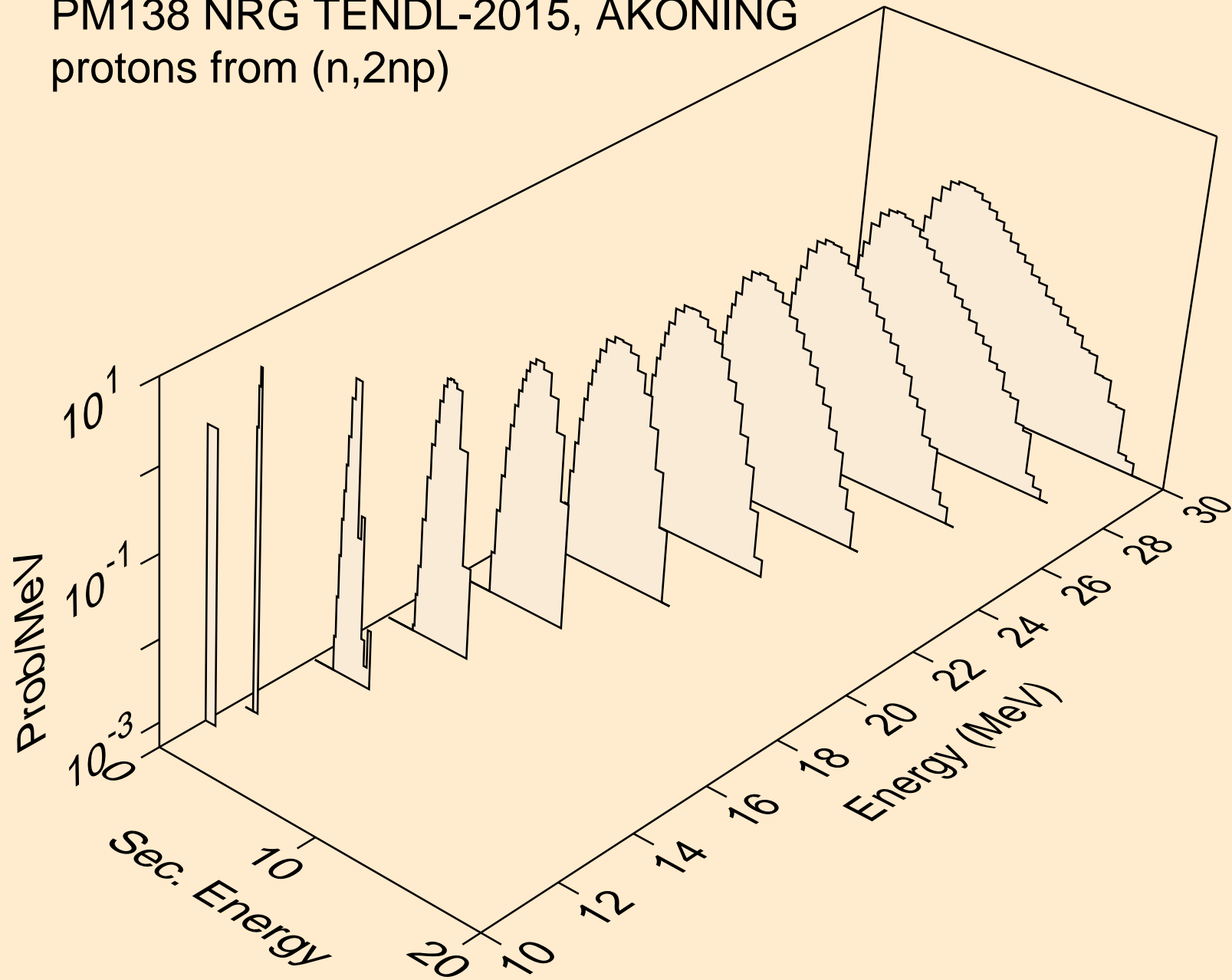


PM138 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

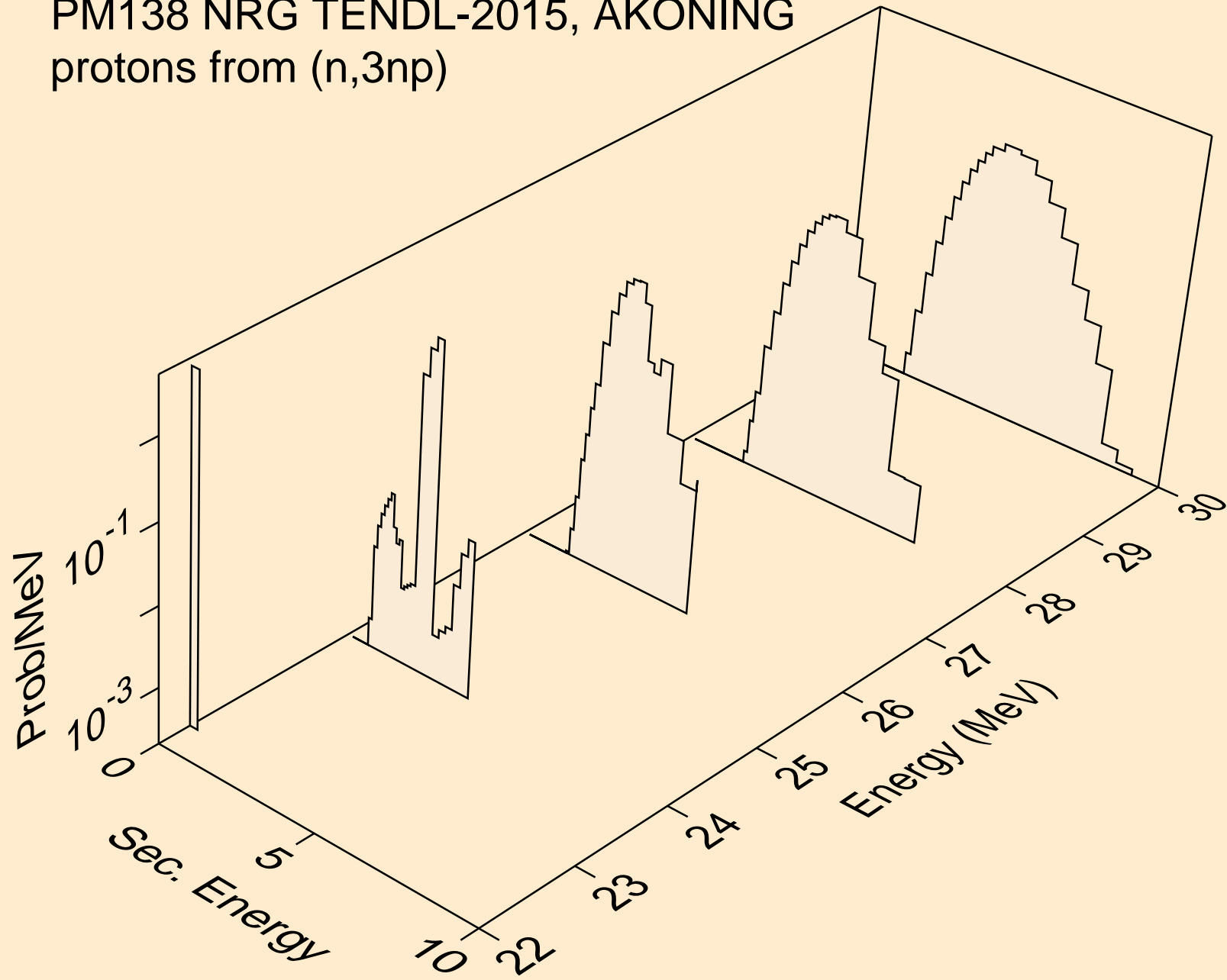




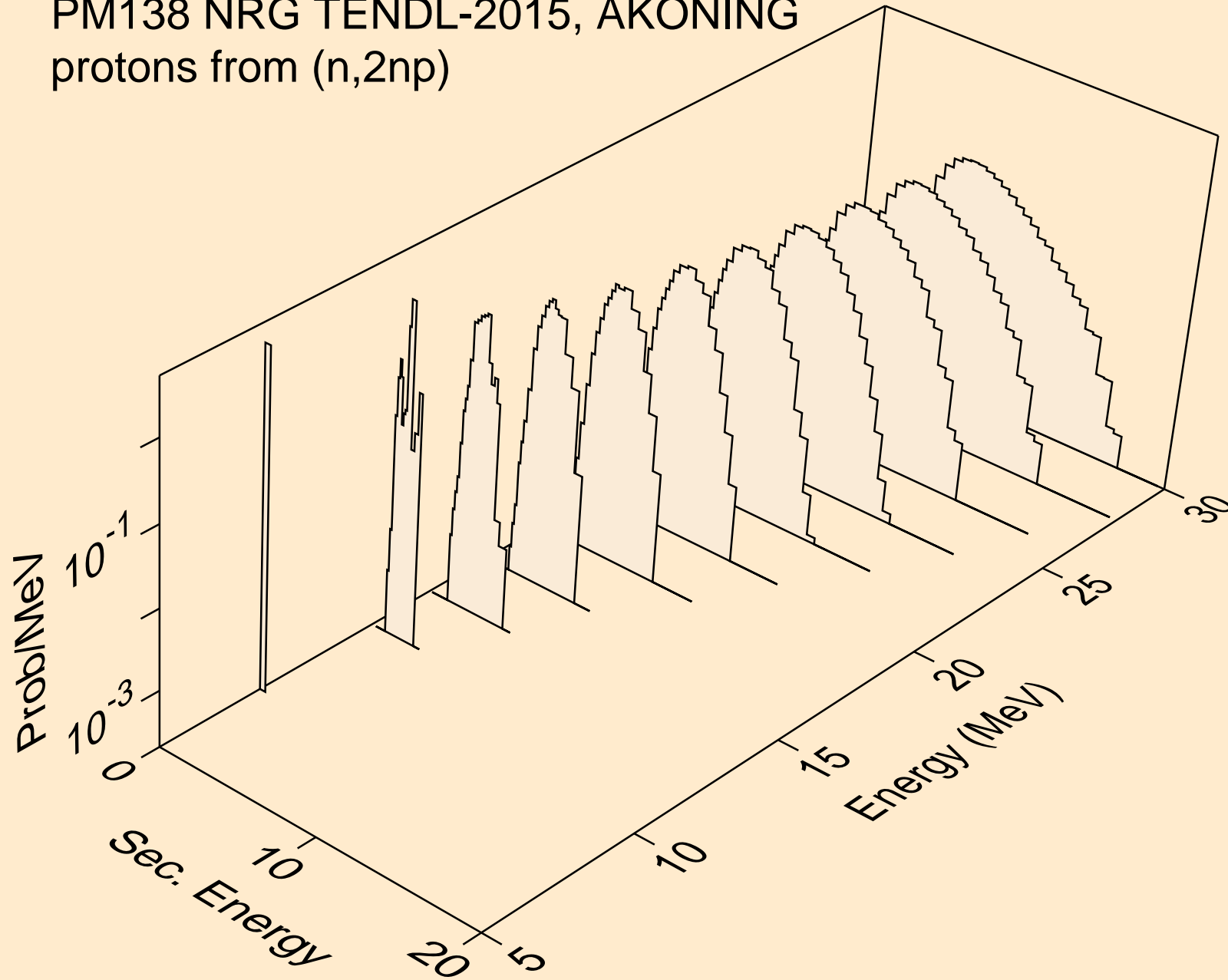
PM138 NRG TENDL-2015, AKONING  
protons from (n,2np)



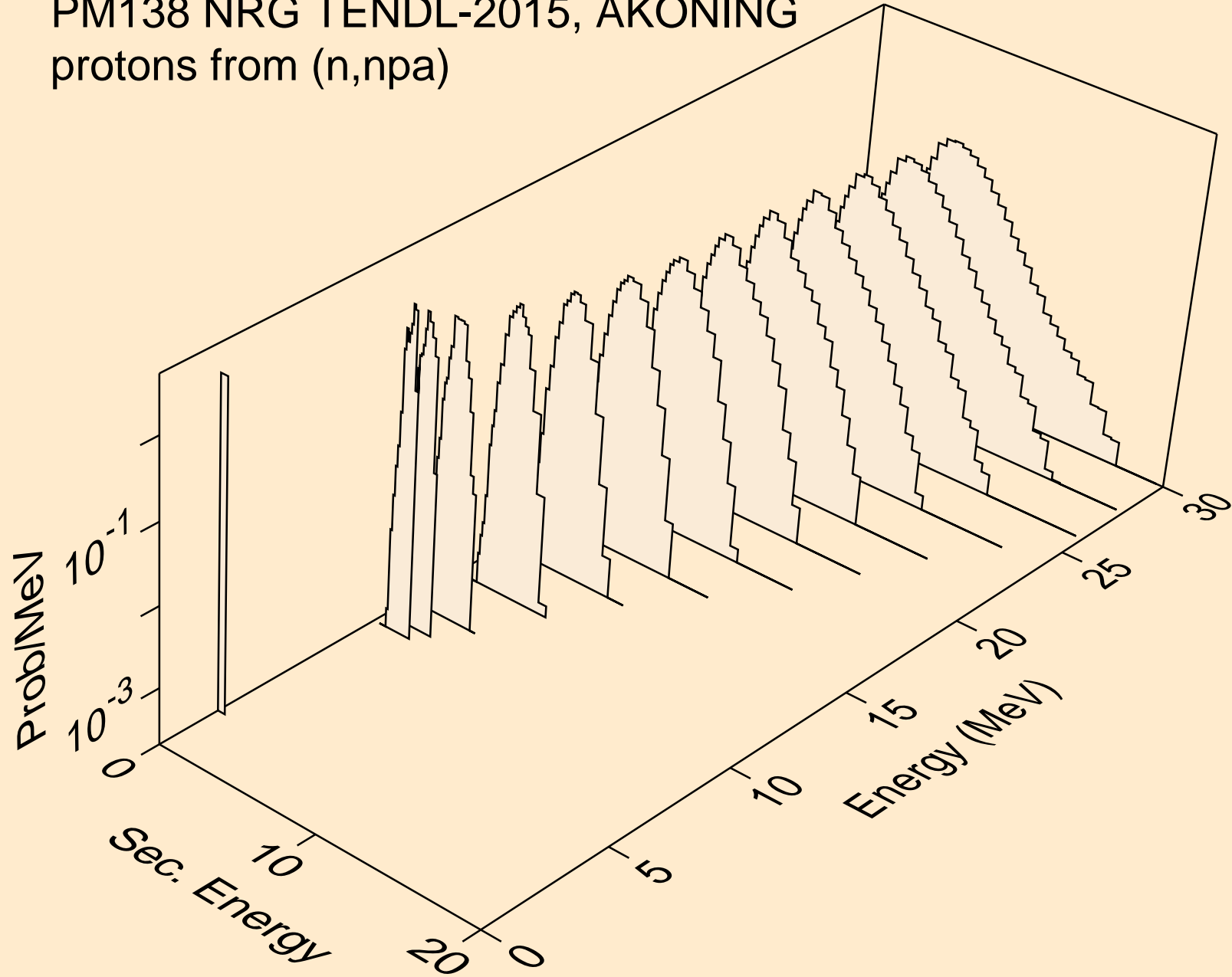
PM138 NRG TENDL-2015, AKONING  
protons from (n,3np)



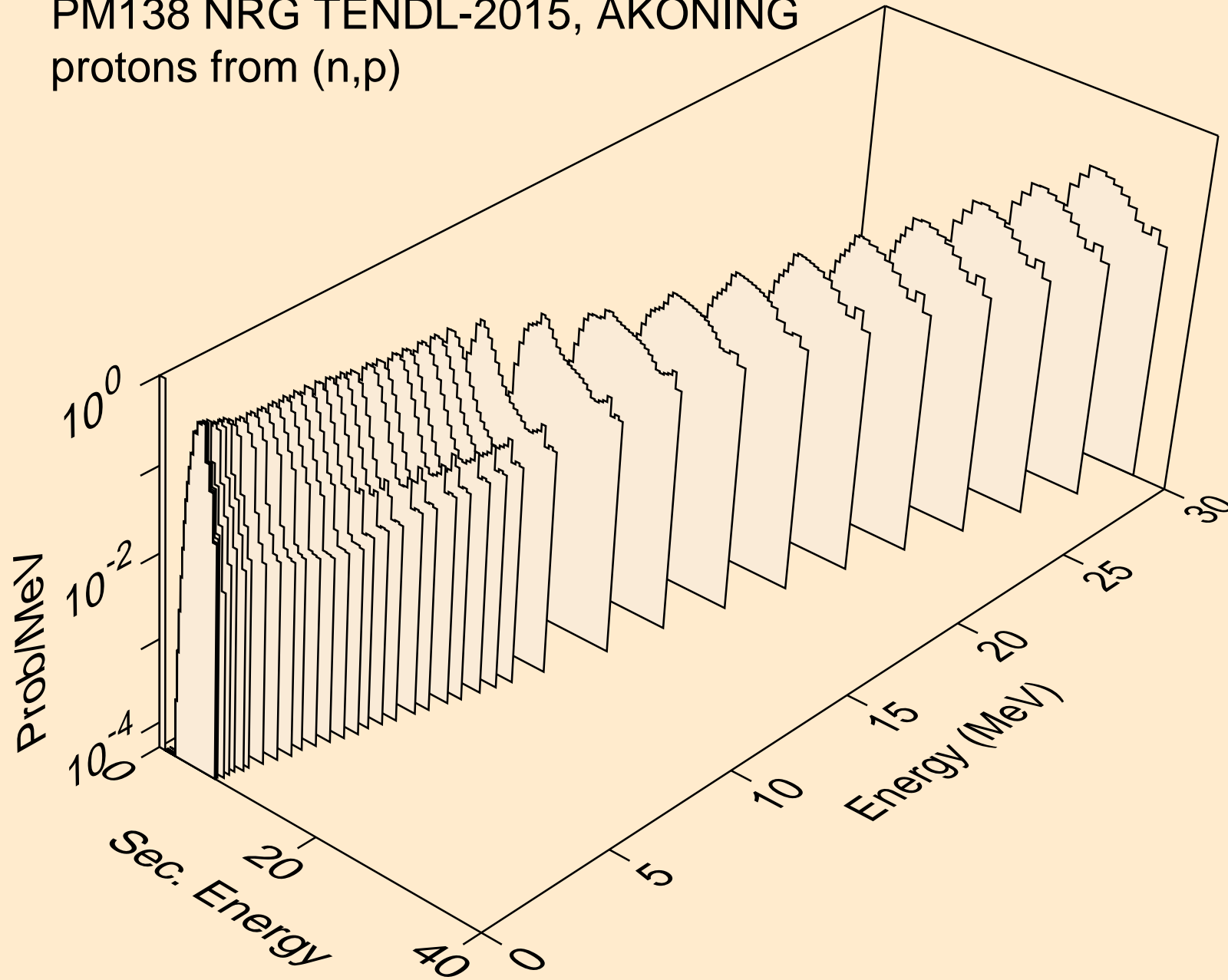
PM138 NRG TENDL-2015, AKONING  
protons from (n,2np)



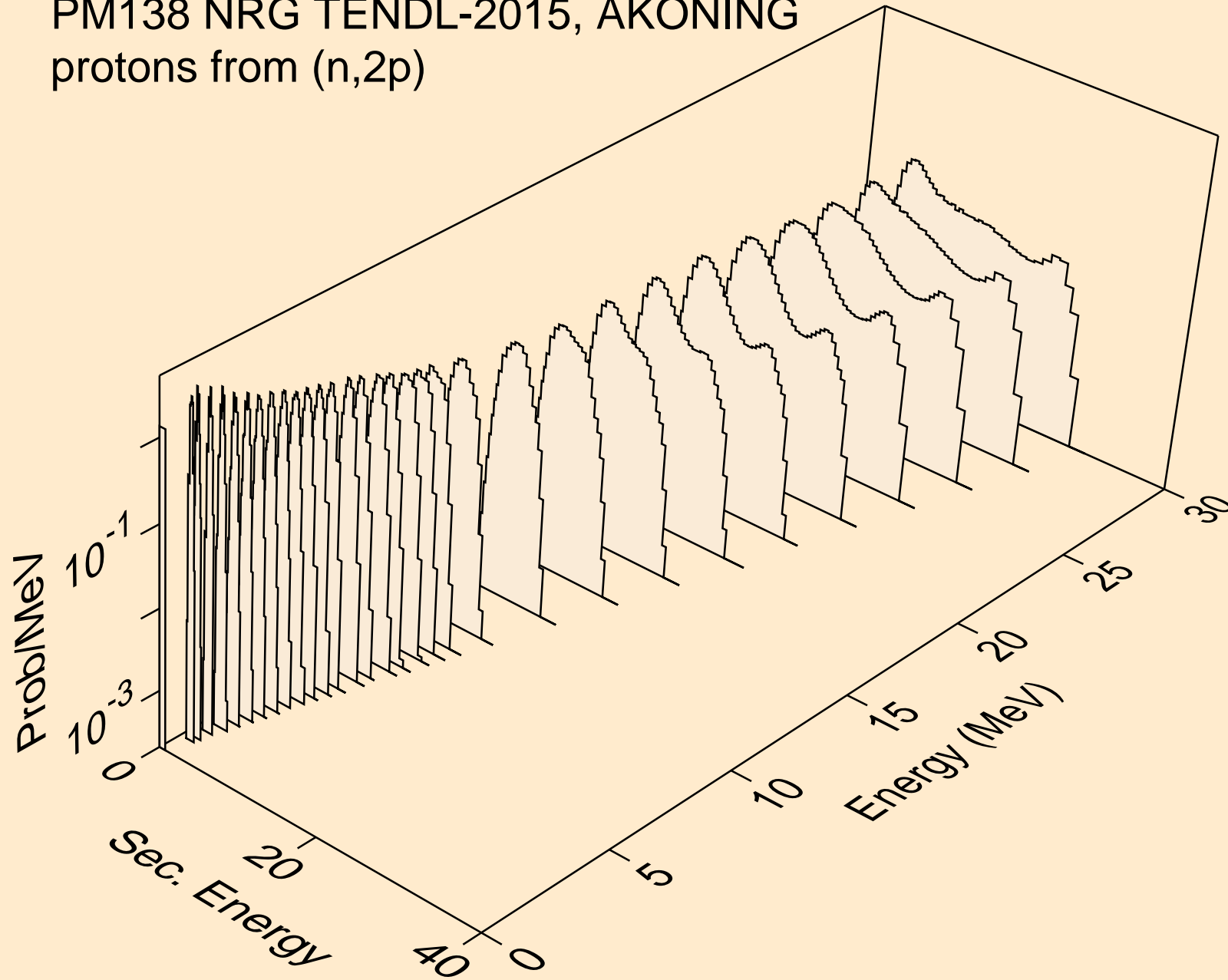
PM138 NRG TENDL-2015, AKONING  
protons from (n,npa)



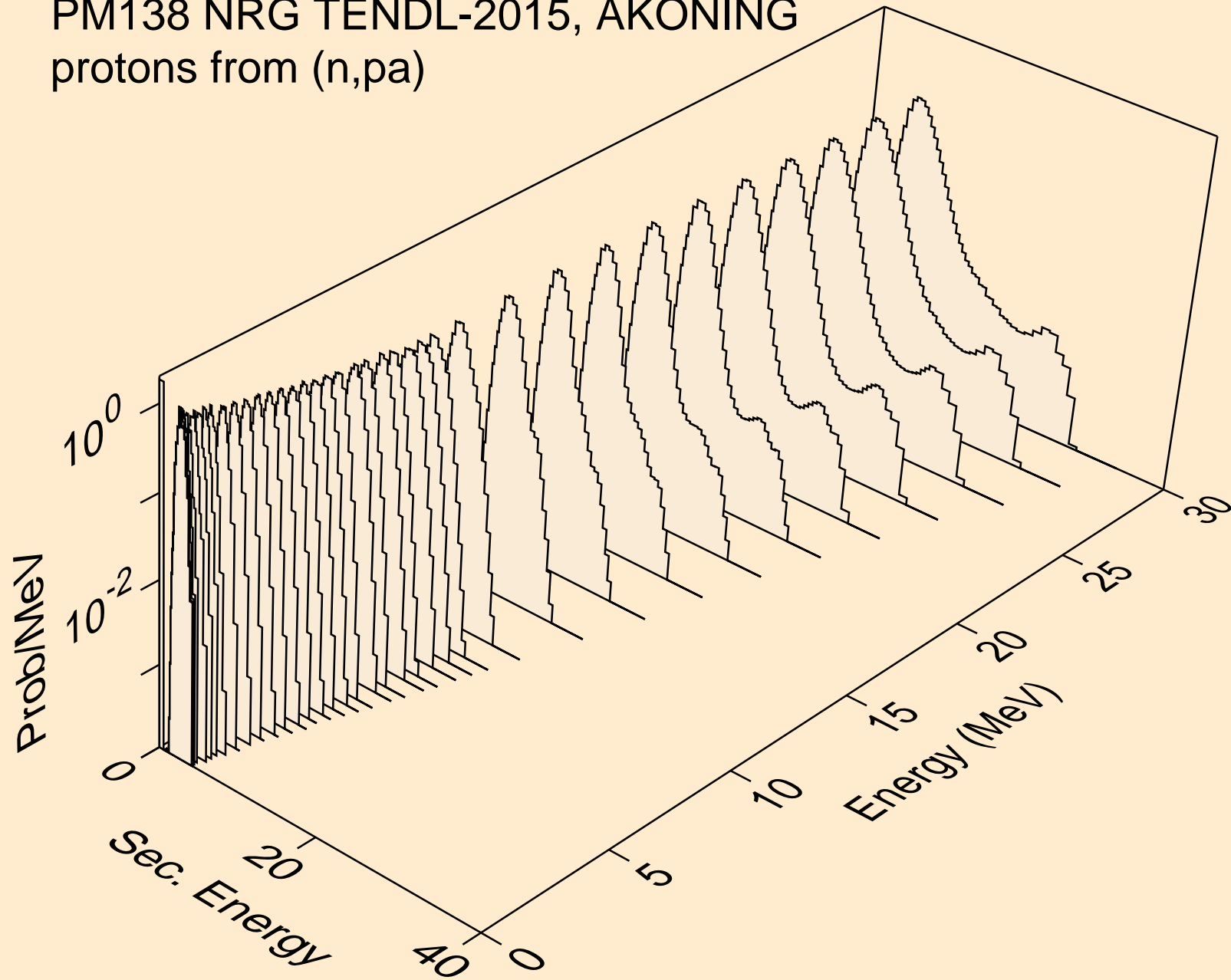
PM138 NRG TENDL-2015, AKONING  
protons from (n,p)



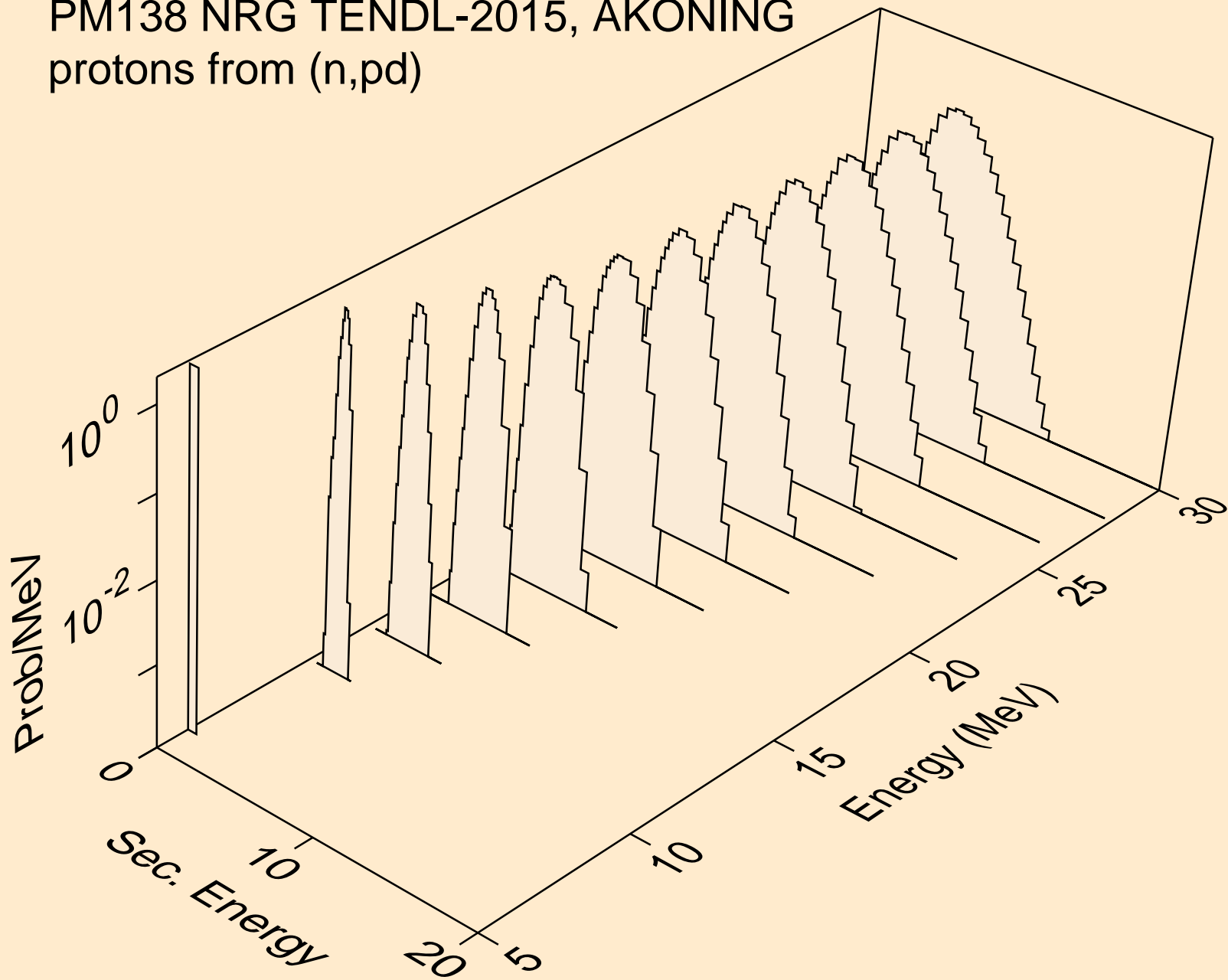
PM138 NRG TENDL-2015, AKONING  
protons from (n,2p)



PM138 NRG TENDL-2015, AKONING  
protons from (n,pa)

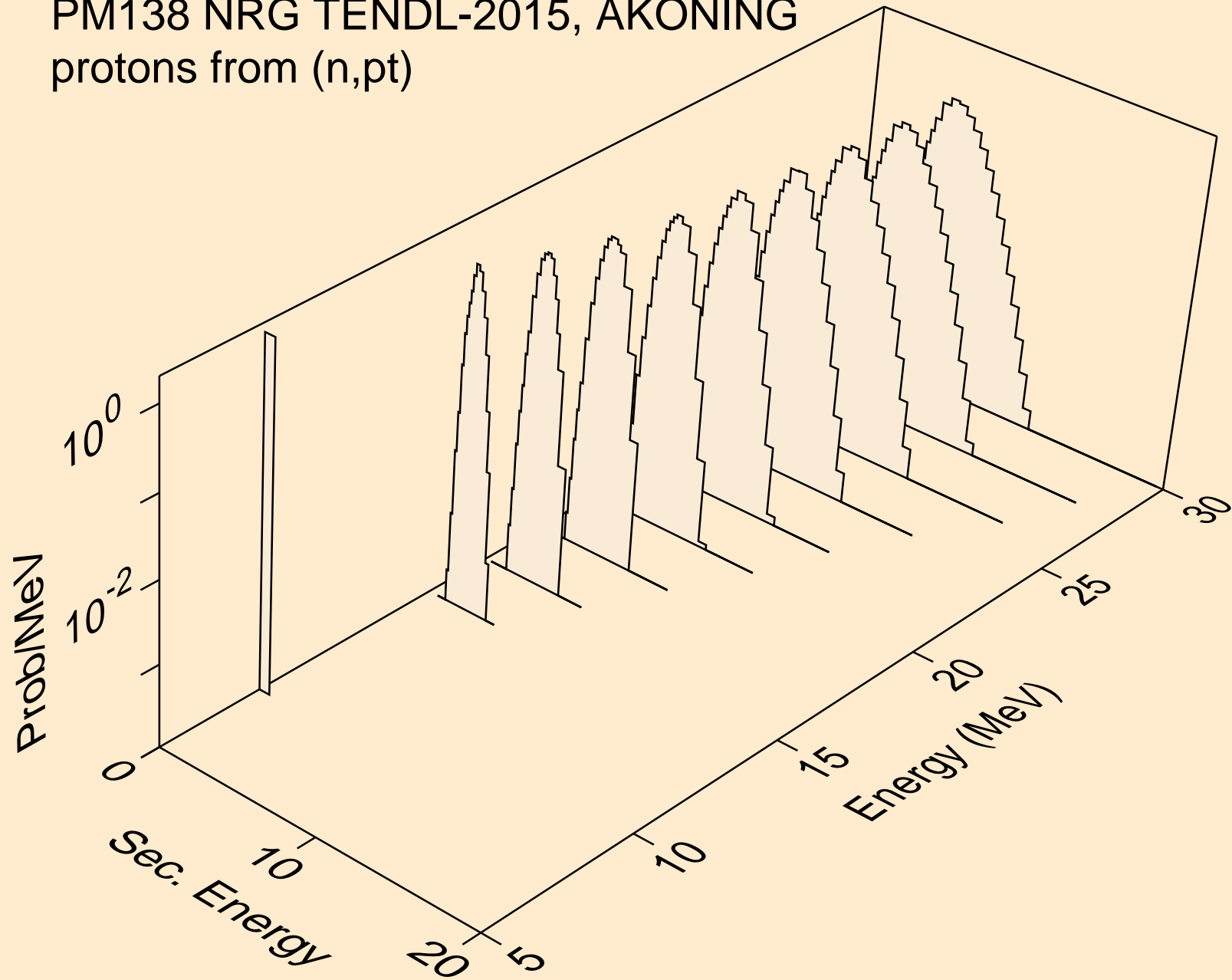


PM138 NRG TENDL-2015, AKONING  
protons from (n,pd)

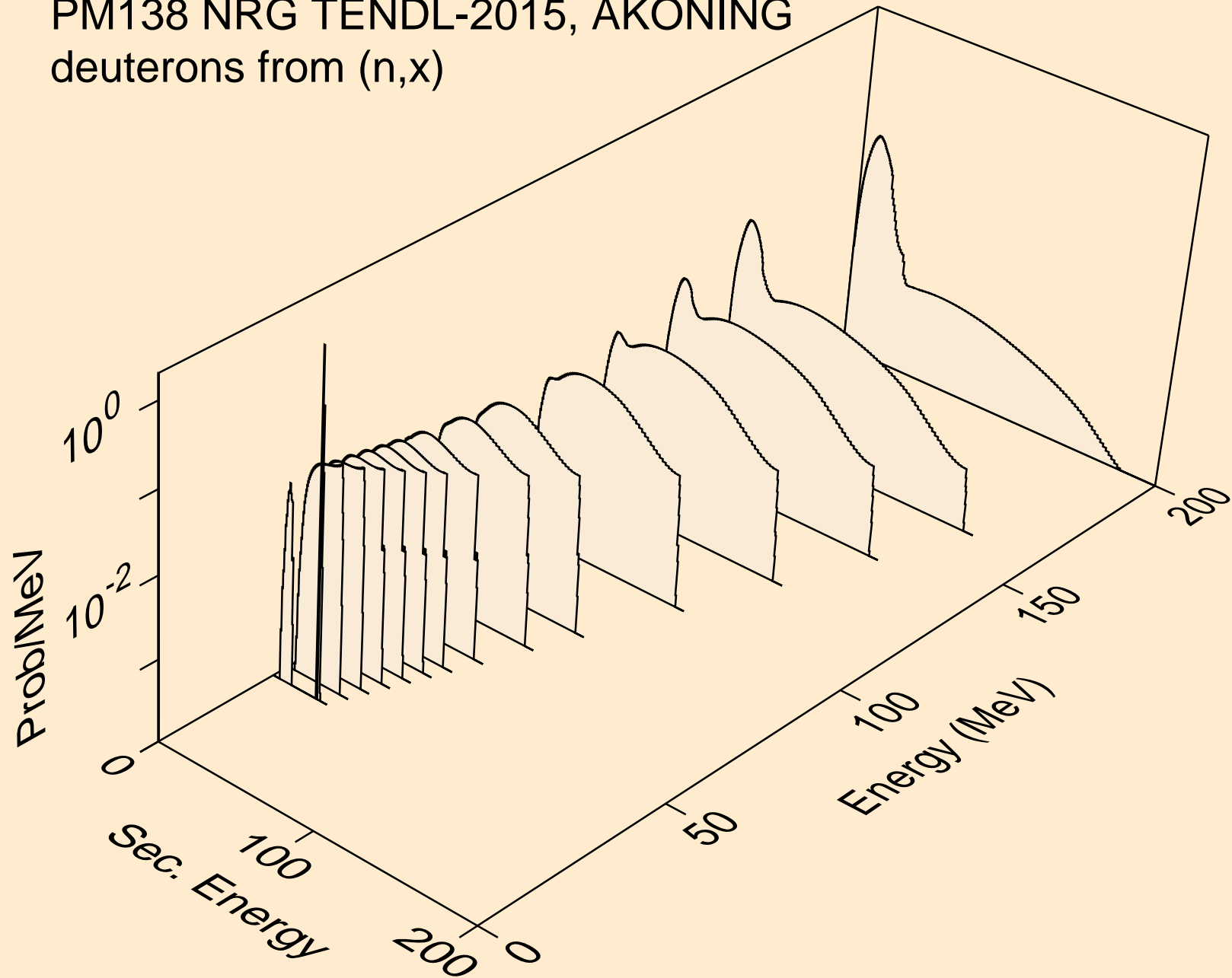




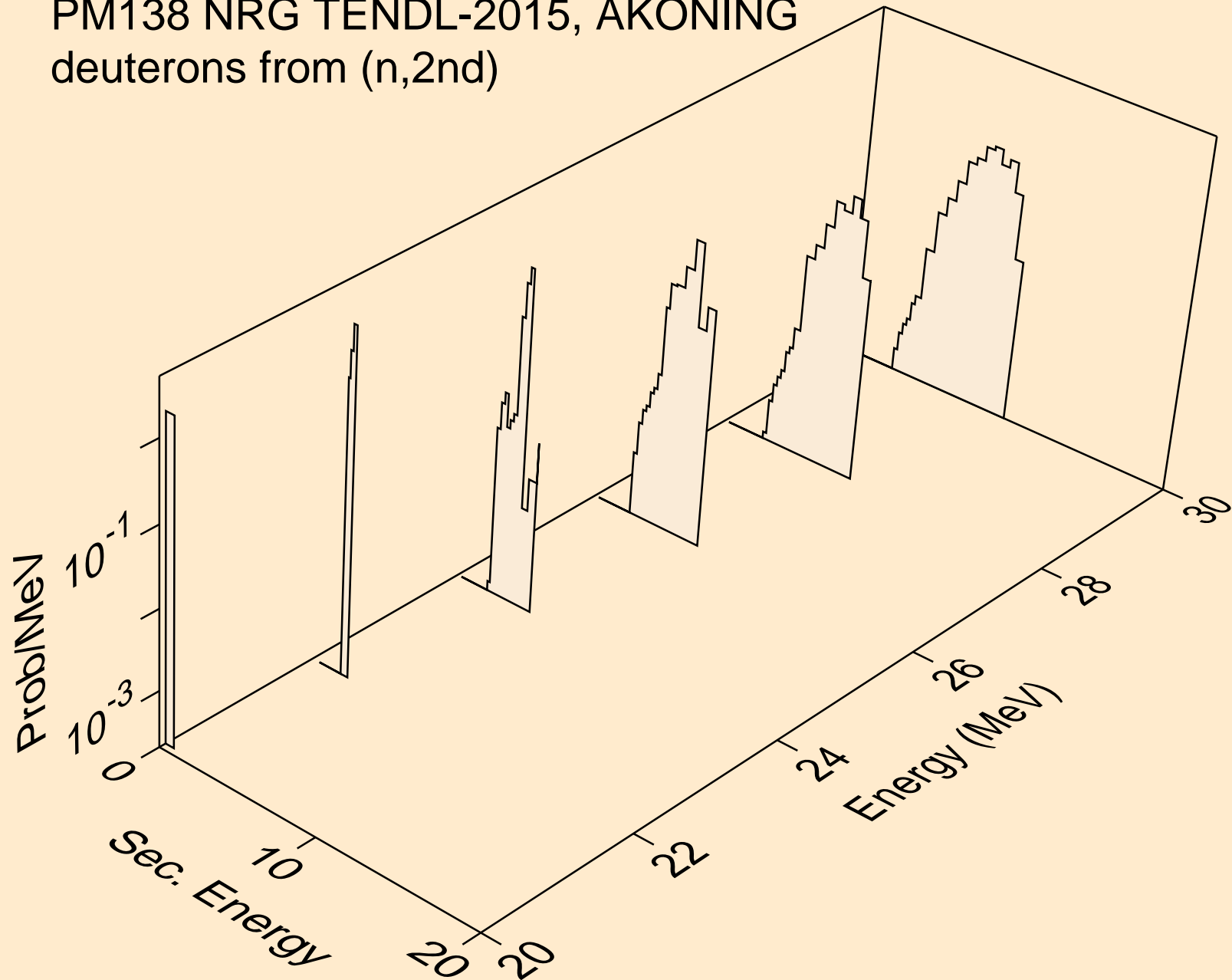
PM138 NRG TENDL-2015, AKONING  
protons from (n,pt)



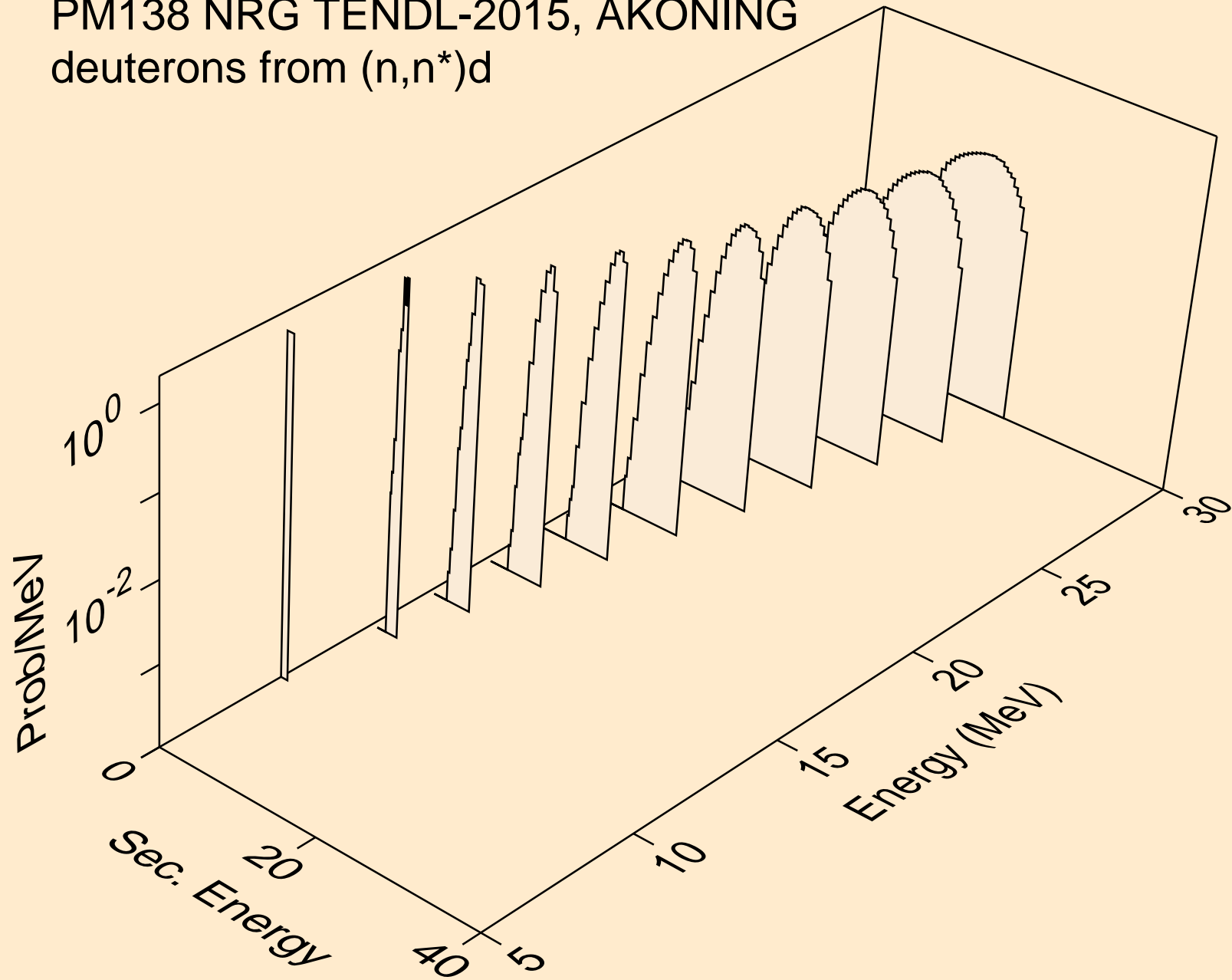
PM138 NRG TENDL-2015, AKONING  
deuterons from (n,x)



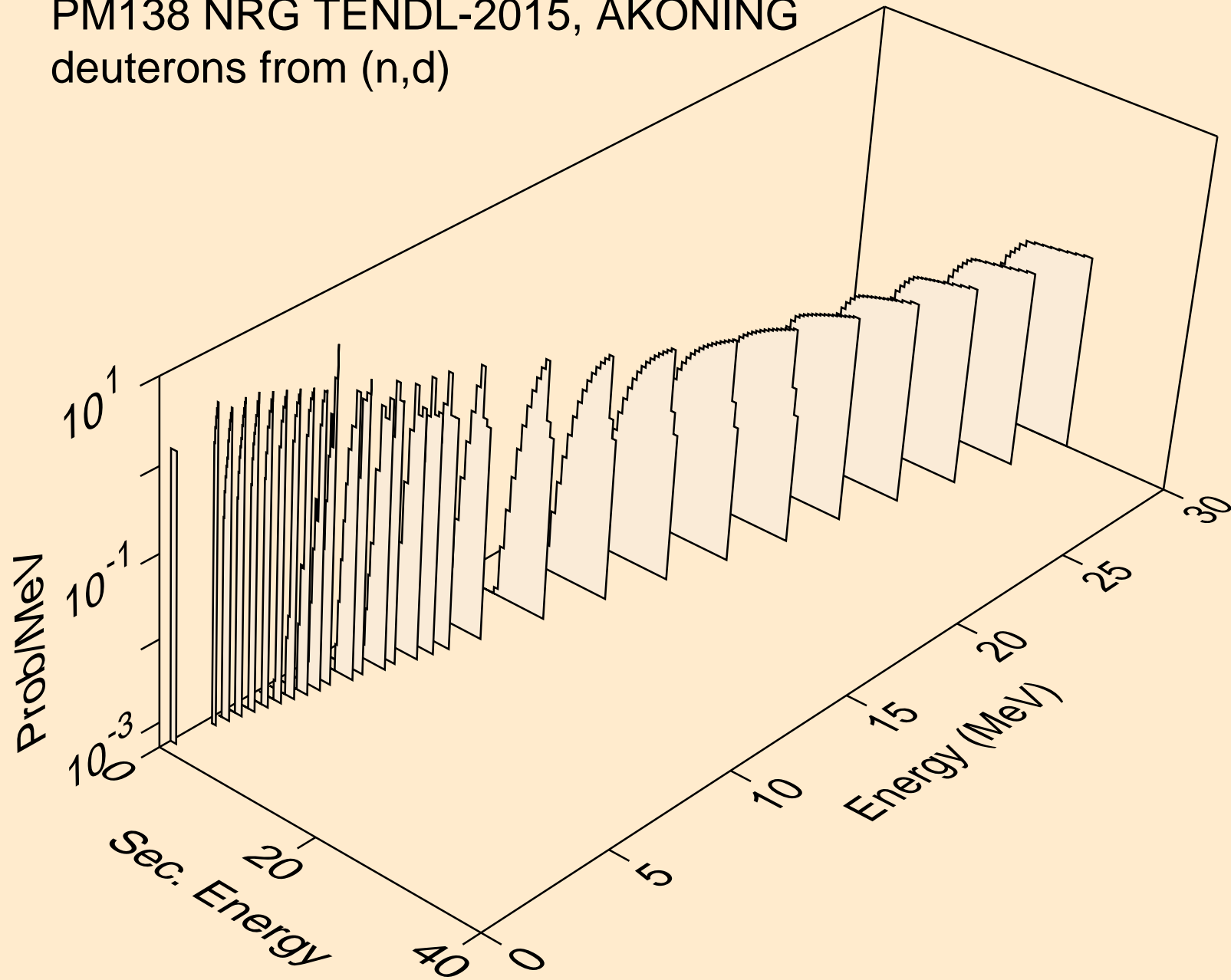
PM138 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



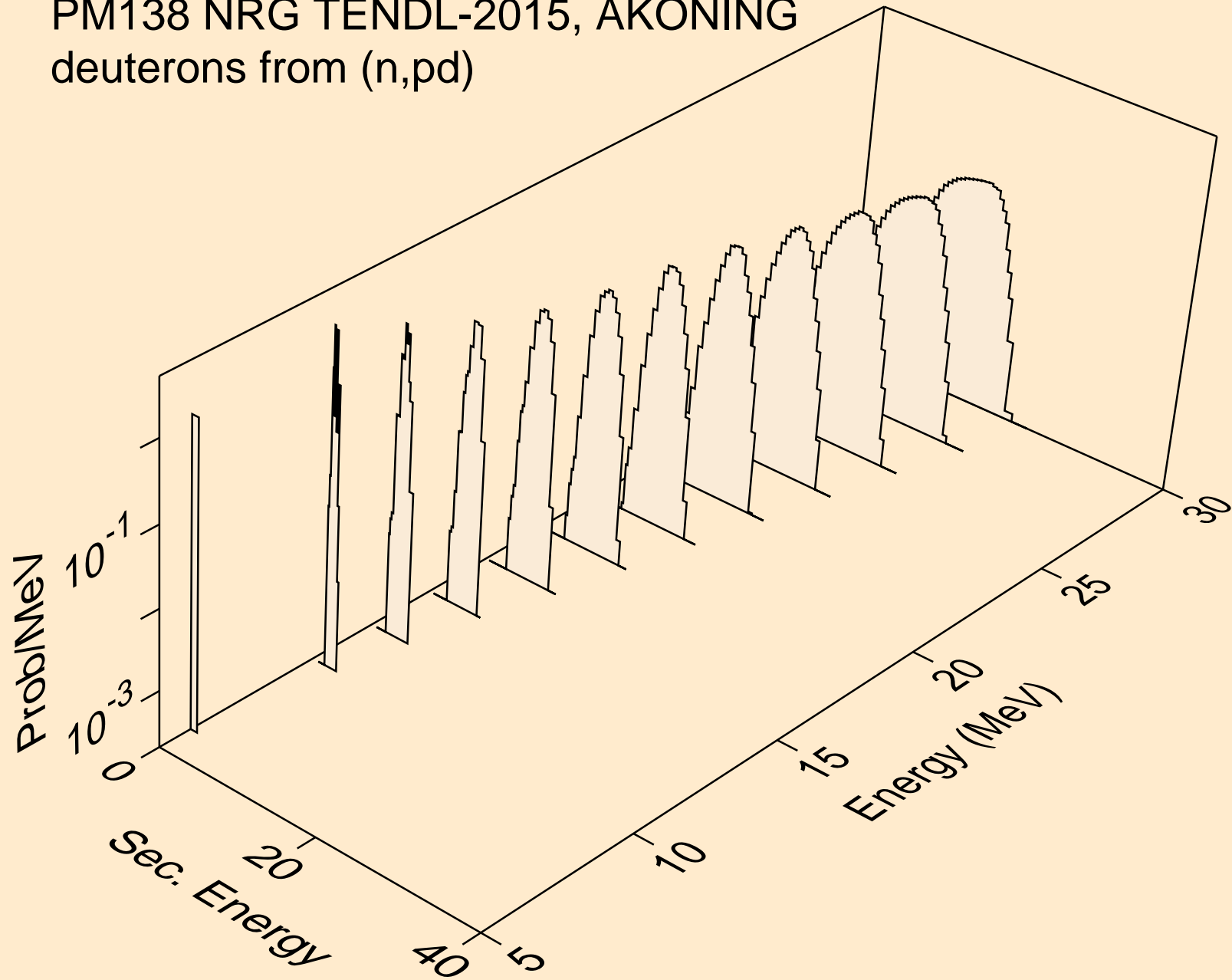
PM138 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



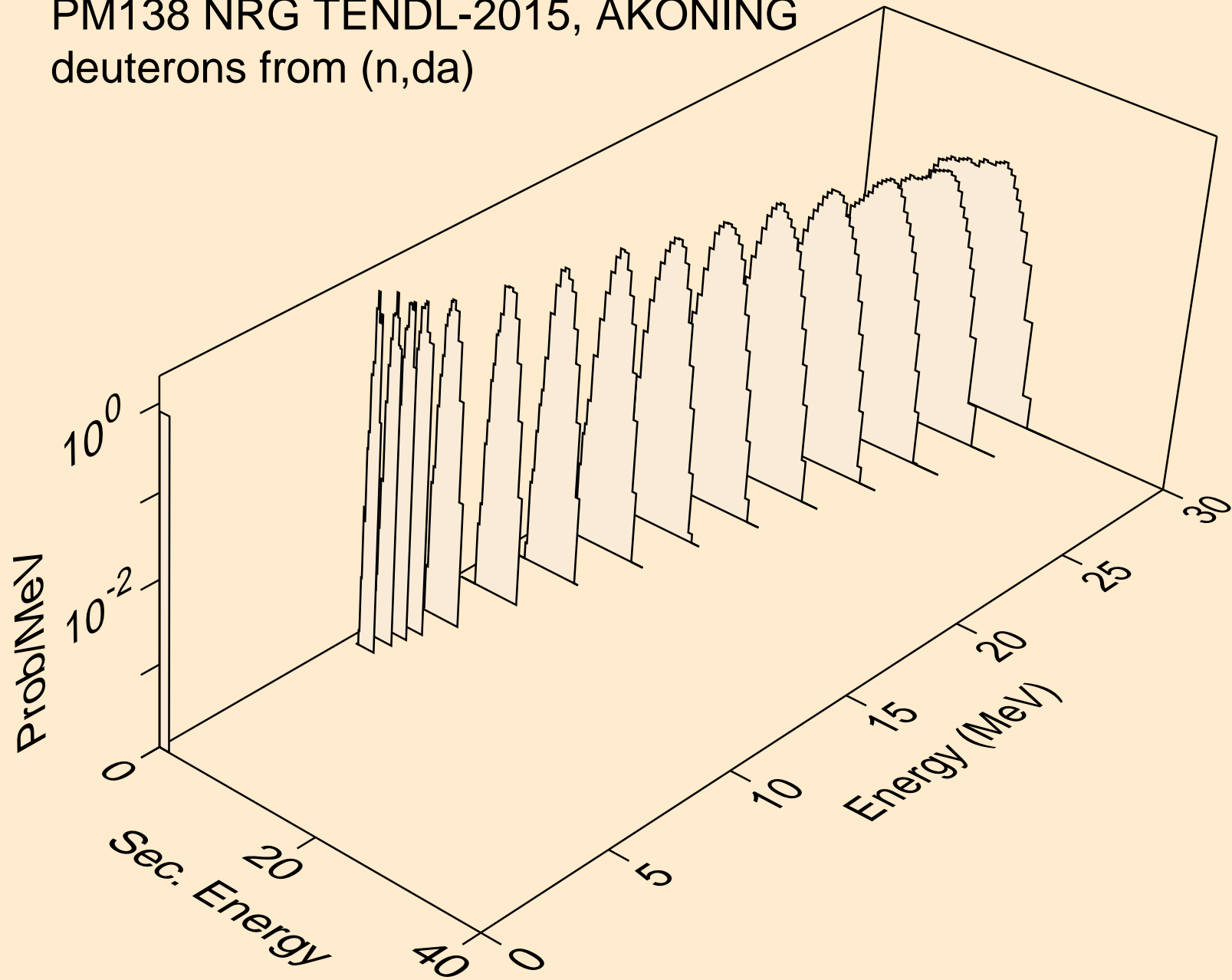
PM138 NRG TENDL-2015, AKONING  
deuterons from (n,d)



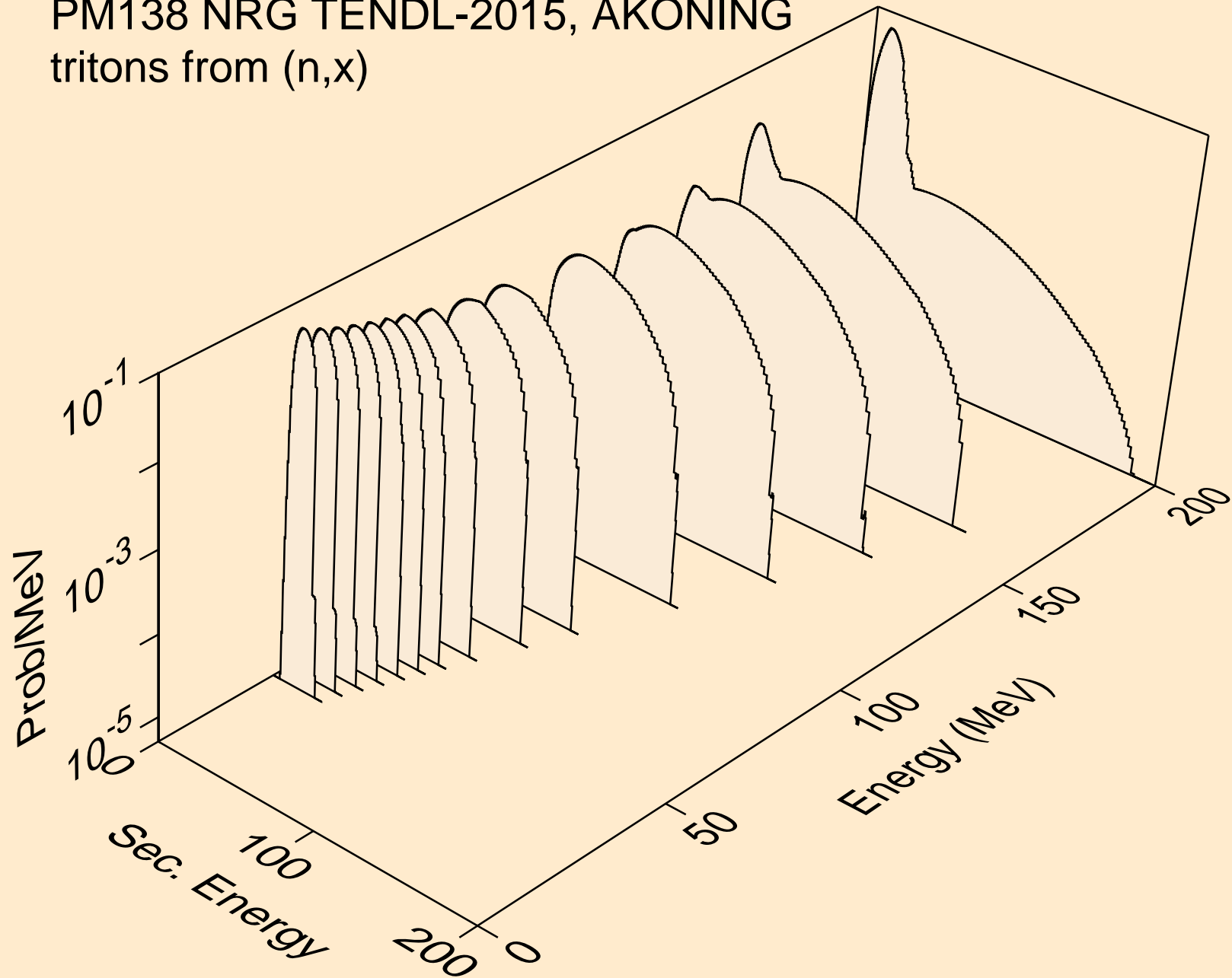
PM138 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



PM138 NRG TENDL-2015, AKONING  
deuterons from (n,da)

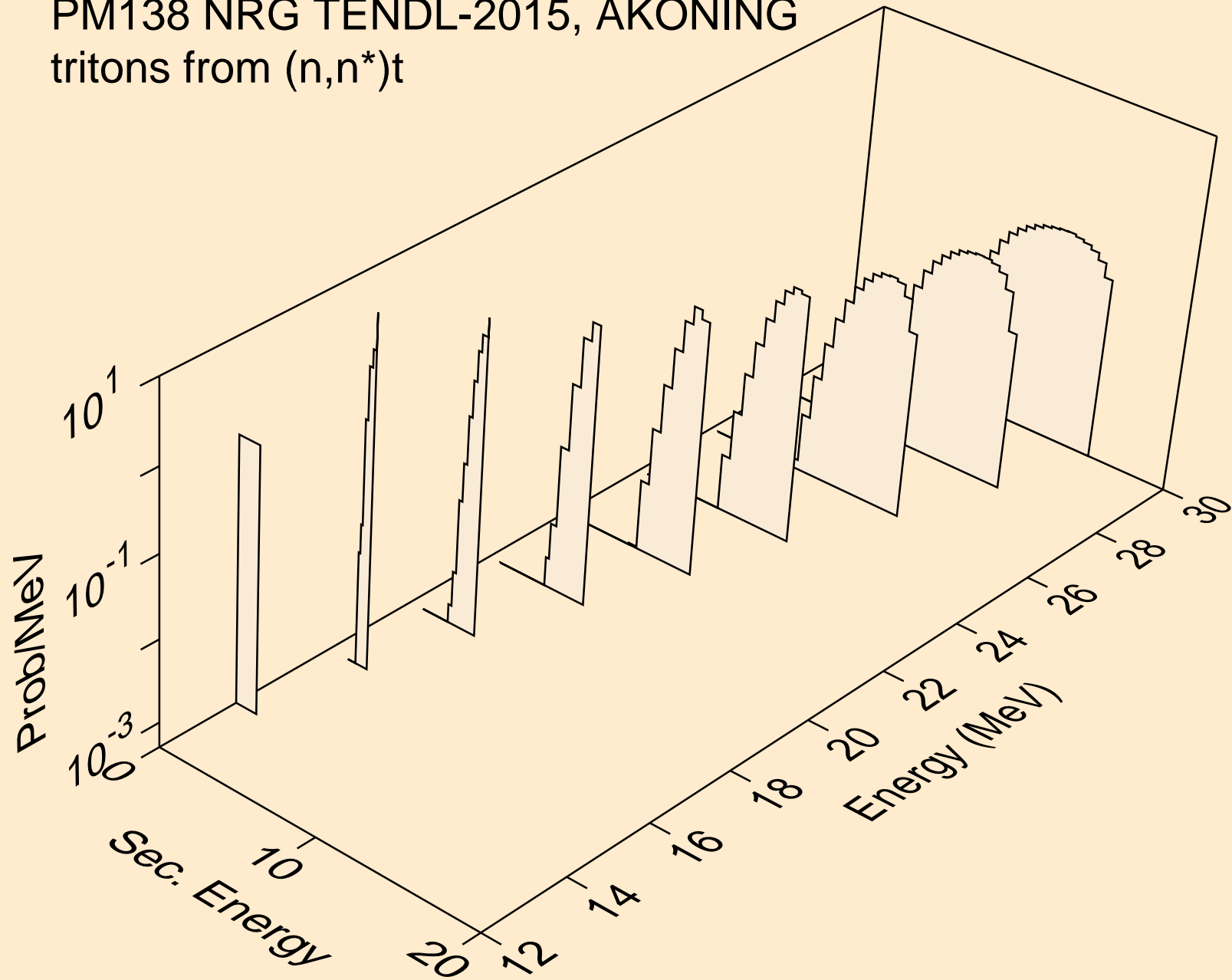


PM138 NRG TENDL-2015, AKONING  
tritons from (n,x)

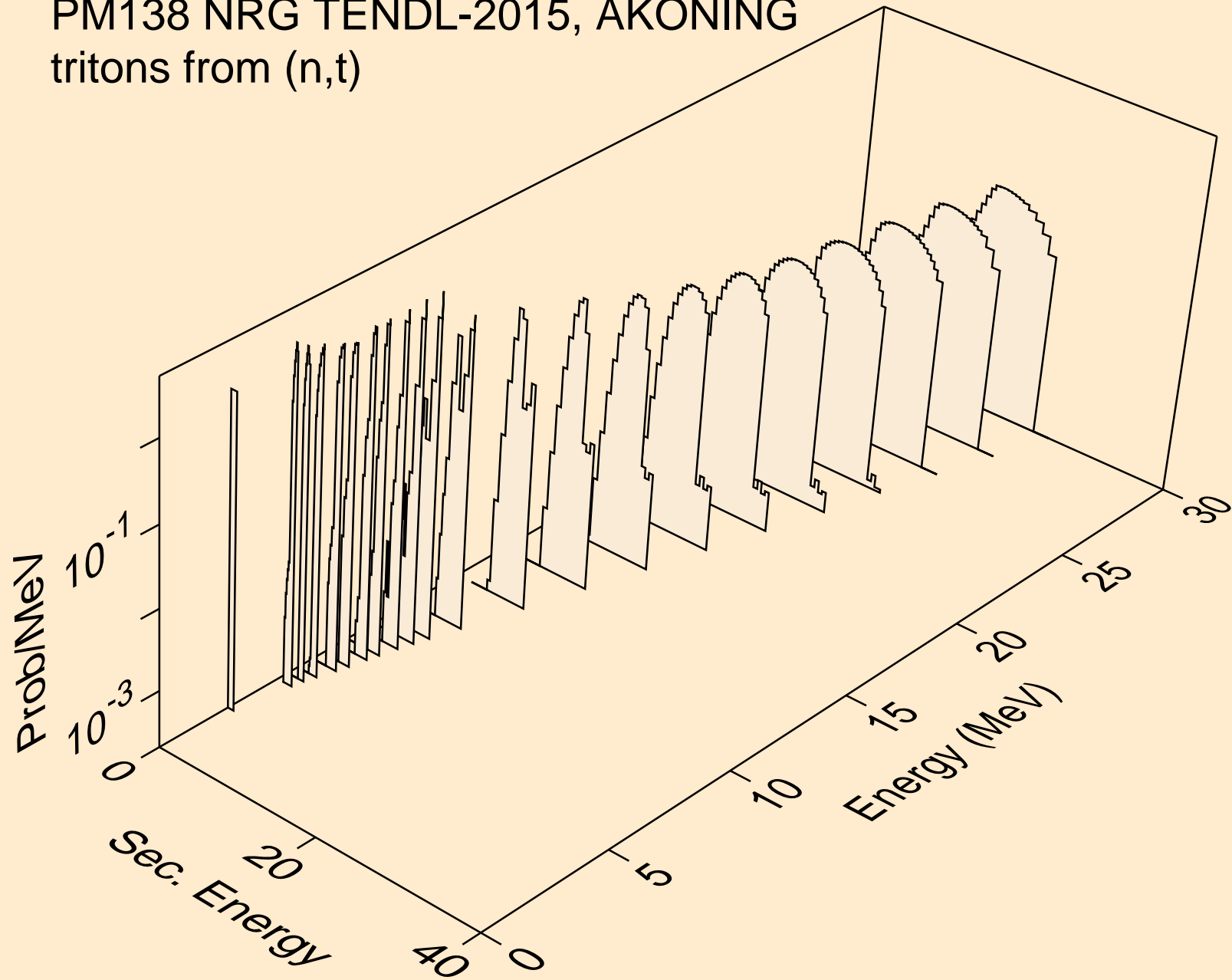




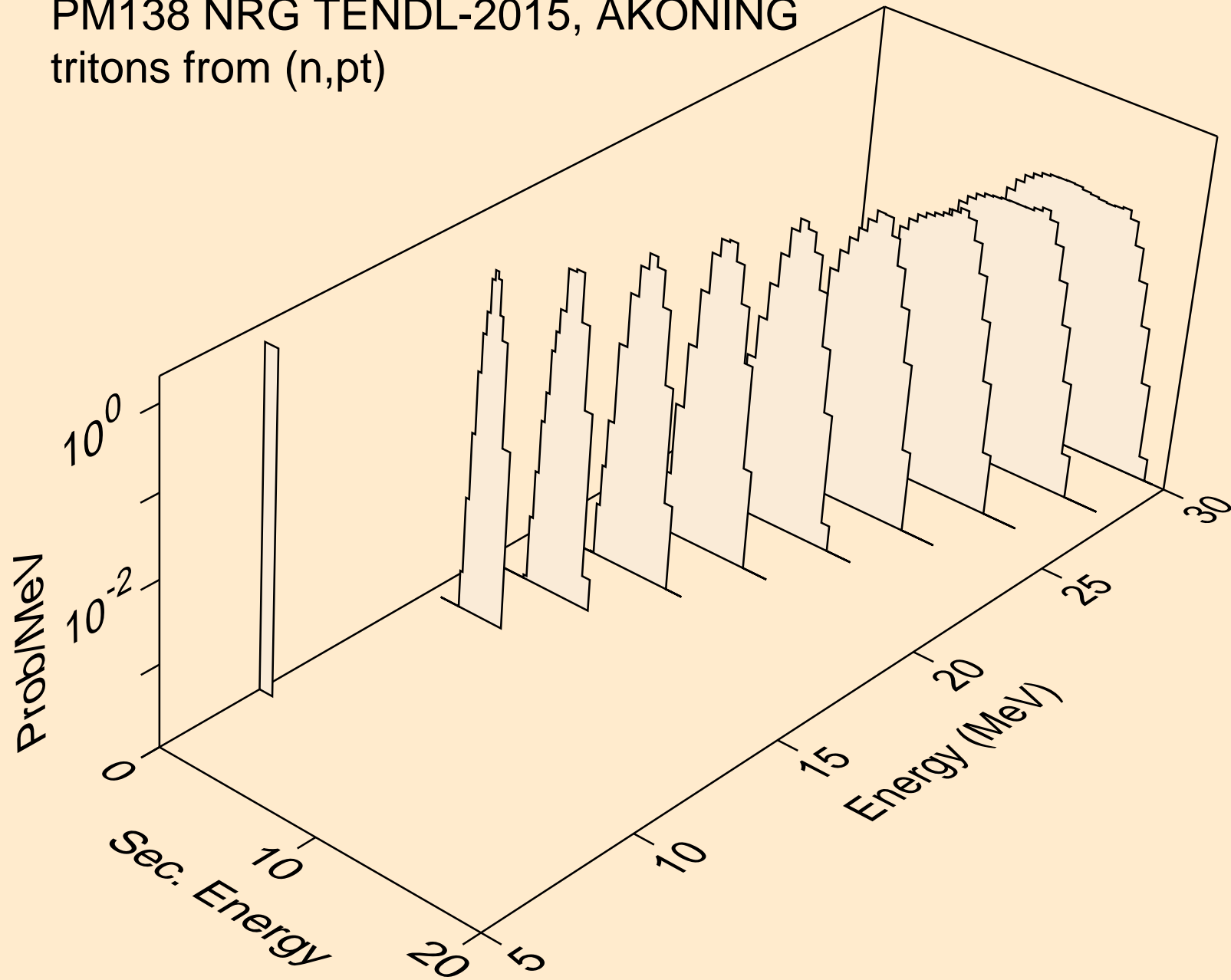
PM138 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



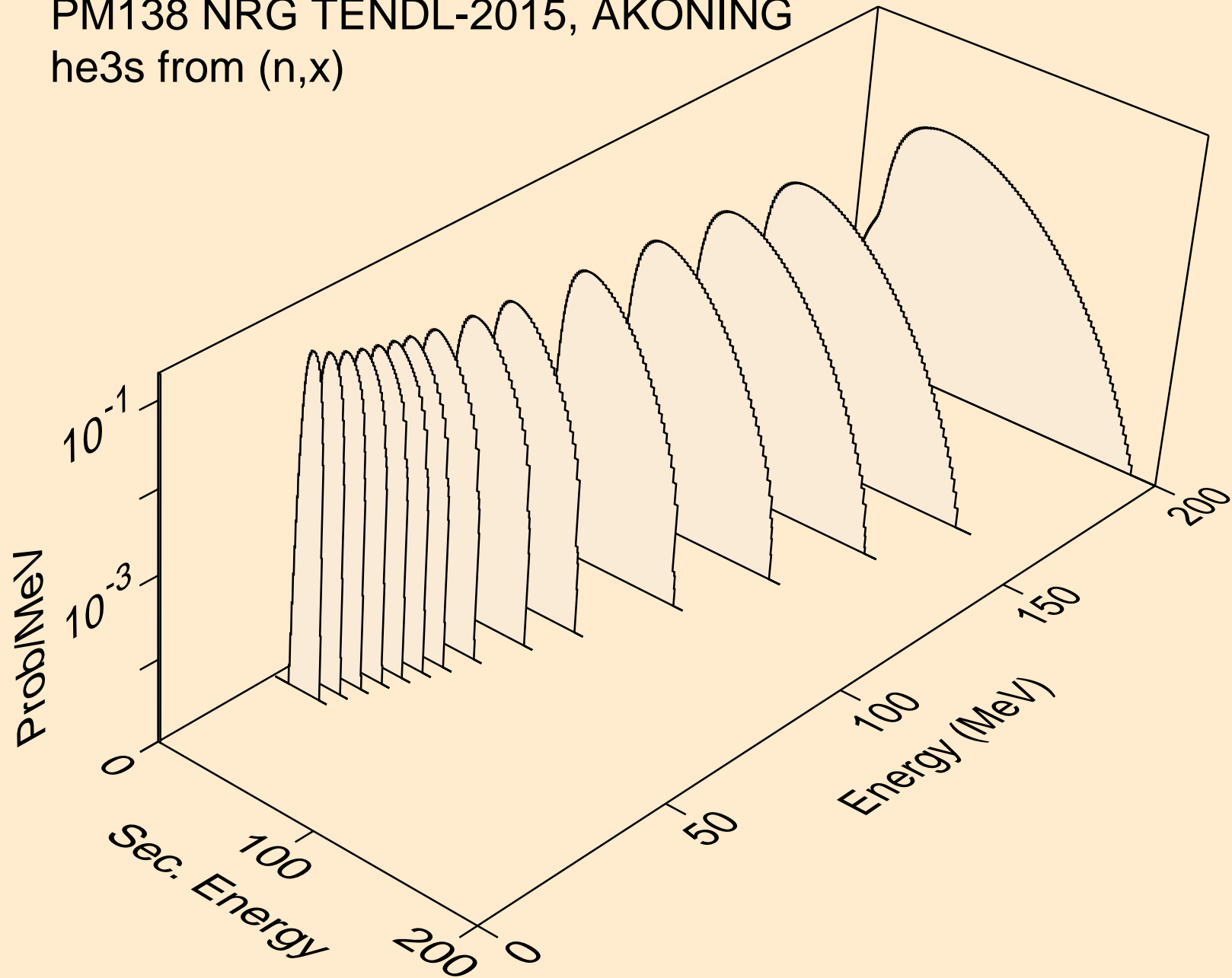
PM138 NRG TENDL-2015, AKONING  
tritons from (n,t)



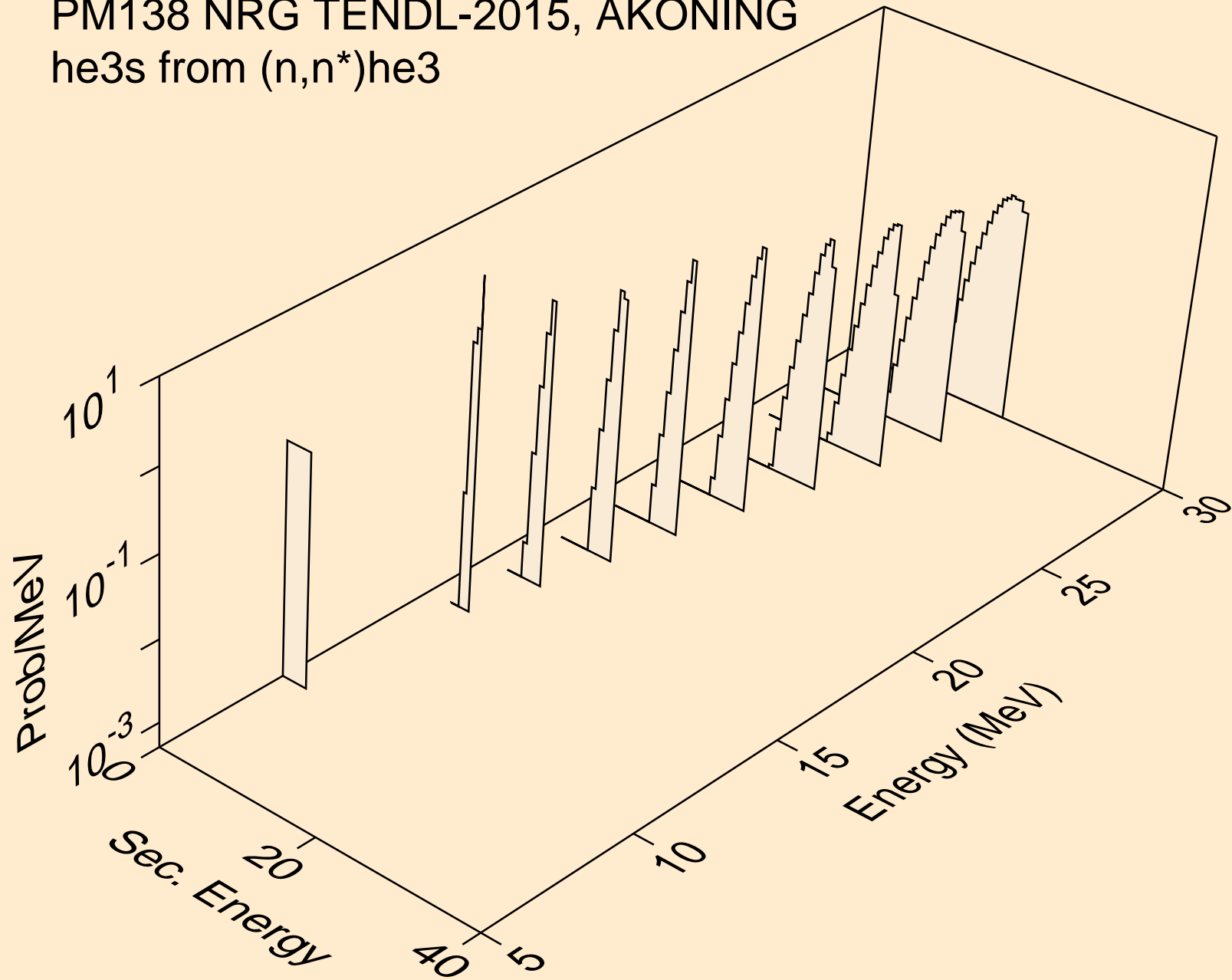
PM138 NRG TENDL-2015, AKONING  
tritons from (n,pt)



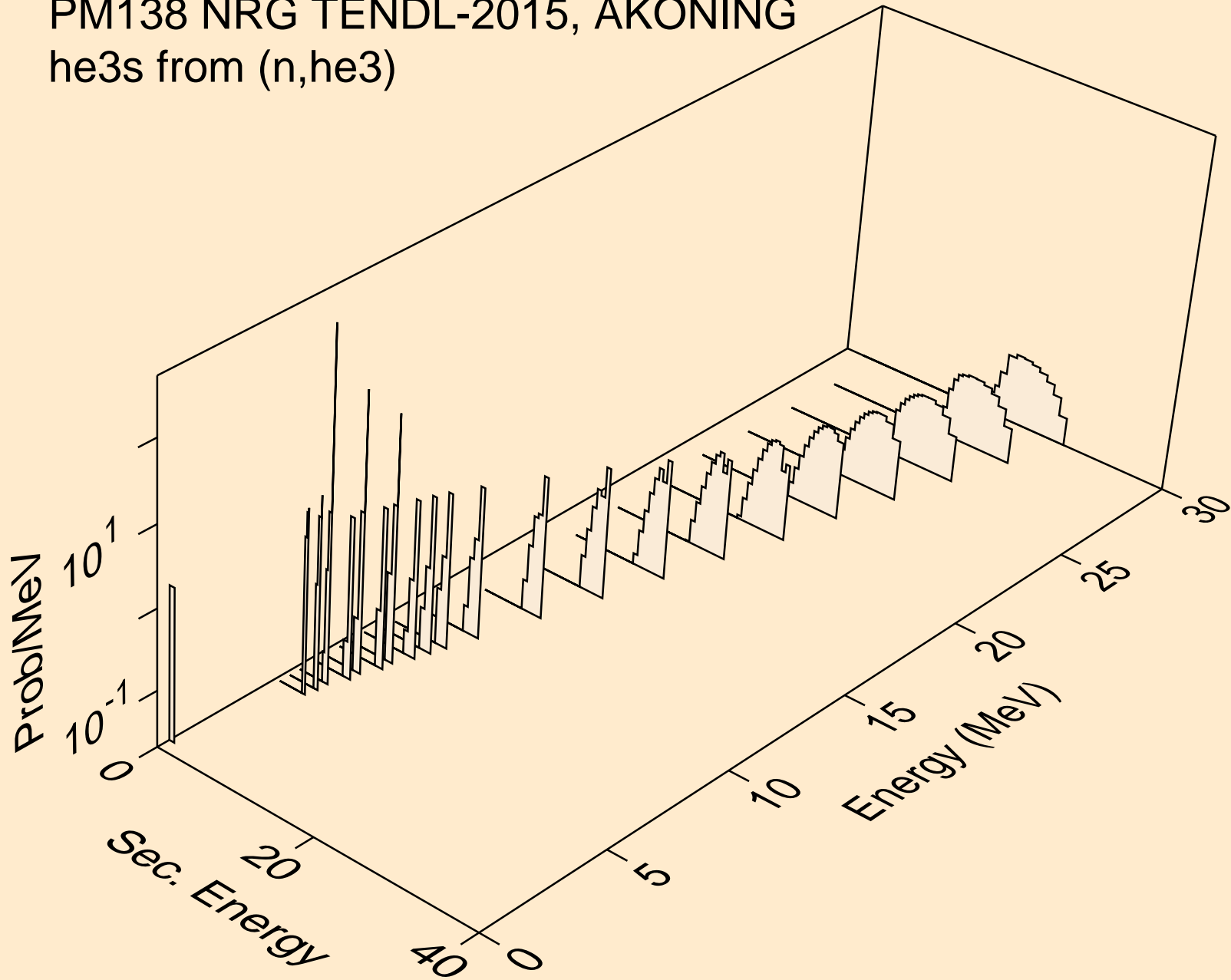
PM138 NRG TENDL-2015, AKONING  
he3s from (n,x)



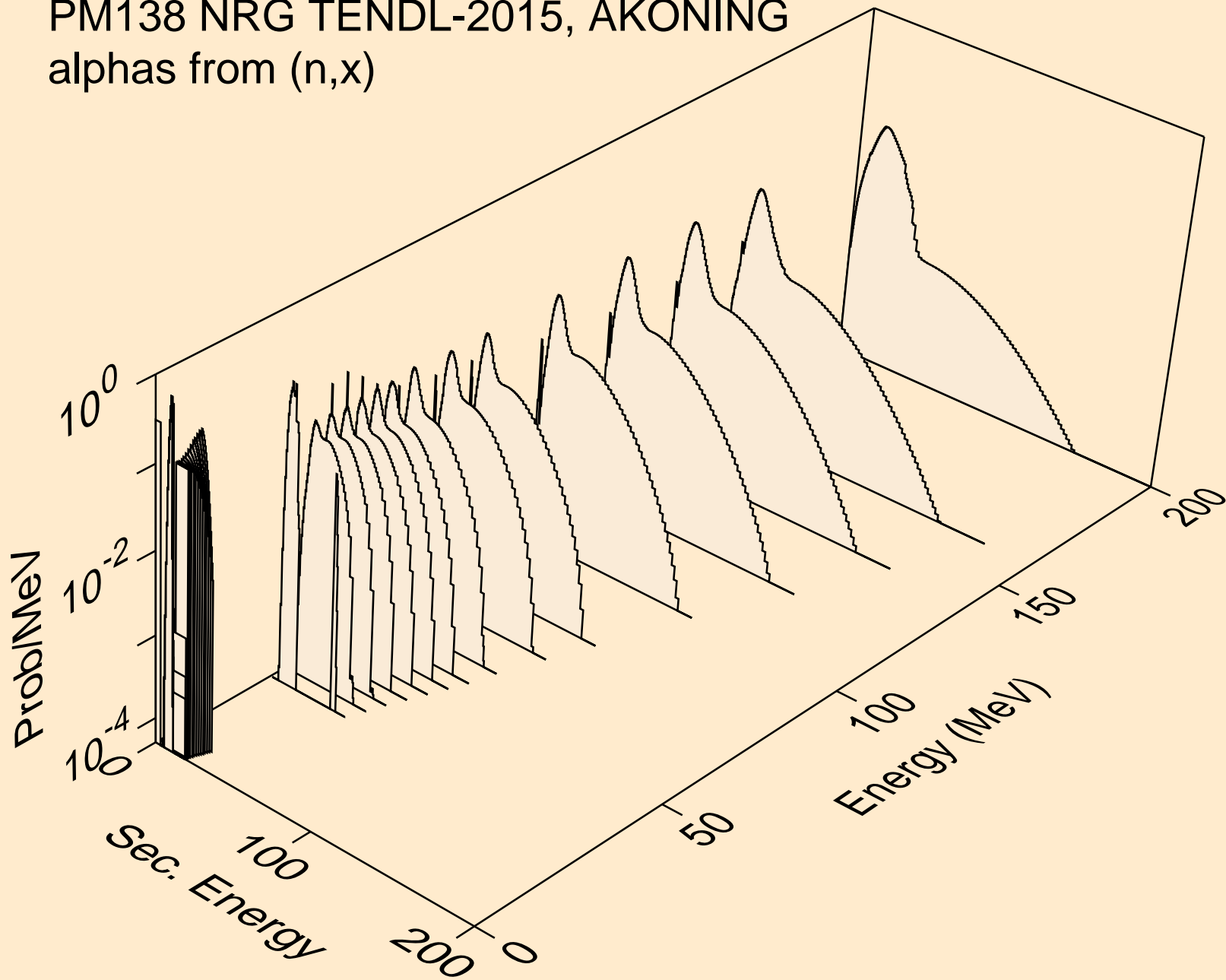
PM138 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



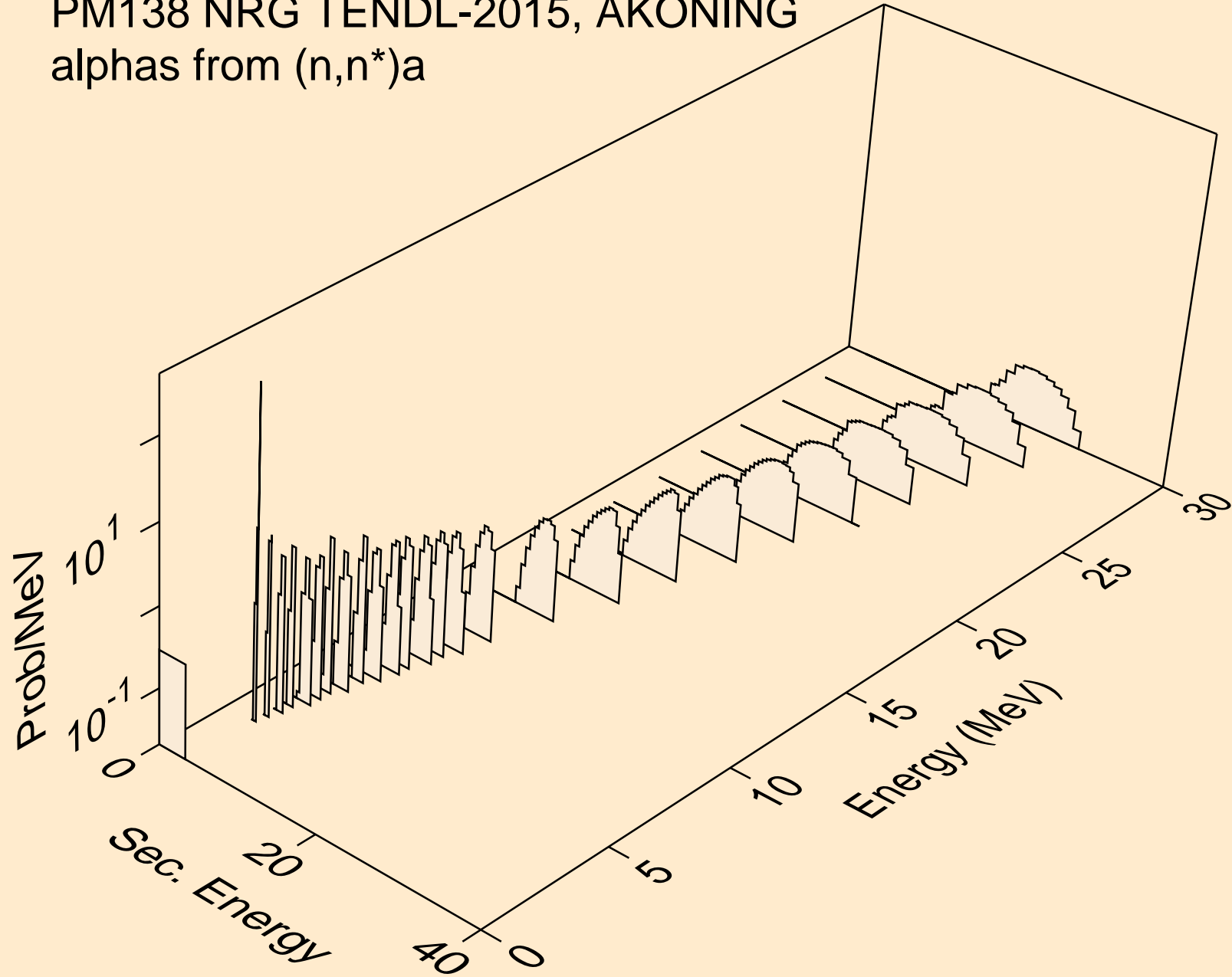
PM138 NRG TENDL-2015, AKONING  
he3s from (n,he3)



PM138 NRG TENDL-2015, AKONING  
alphas from (n,x)

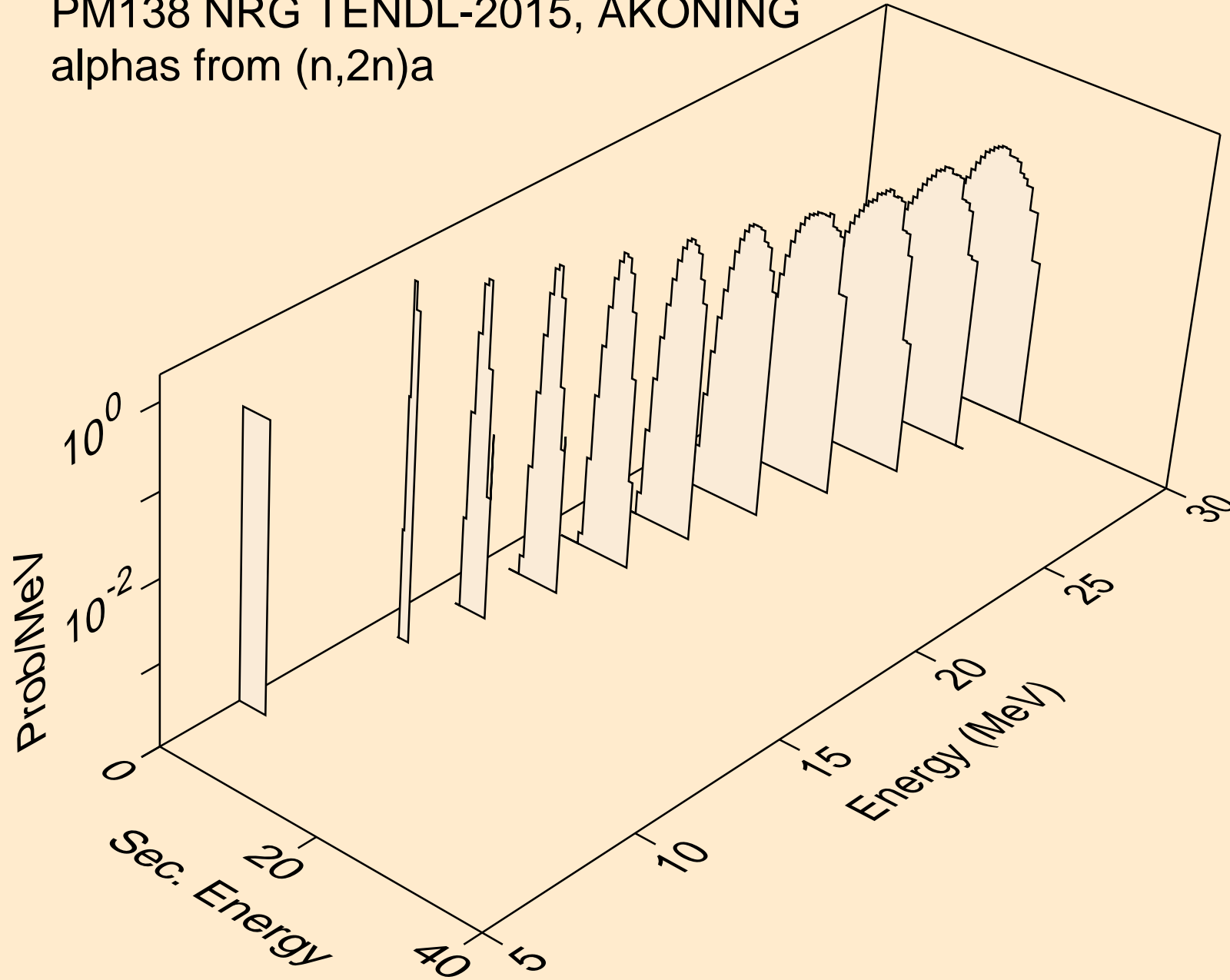


PM138 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

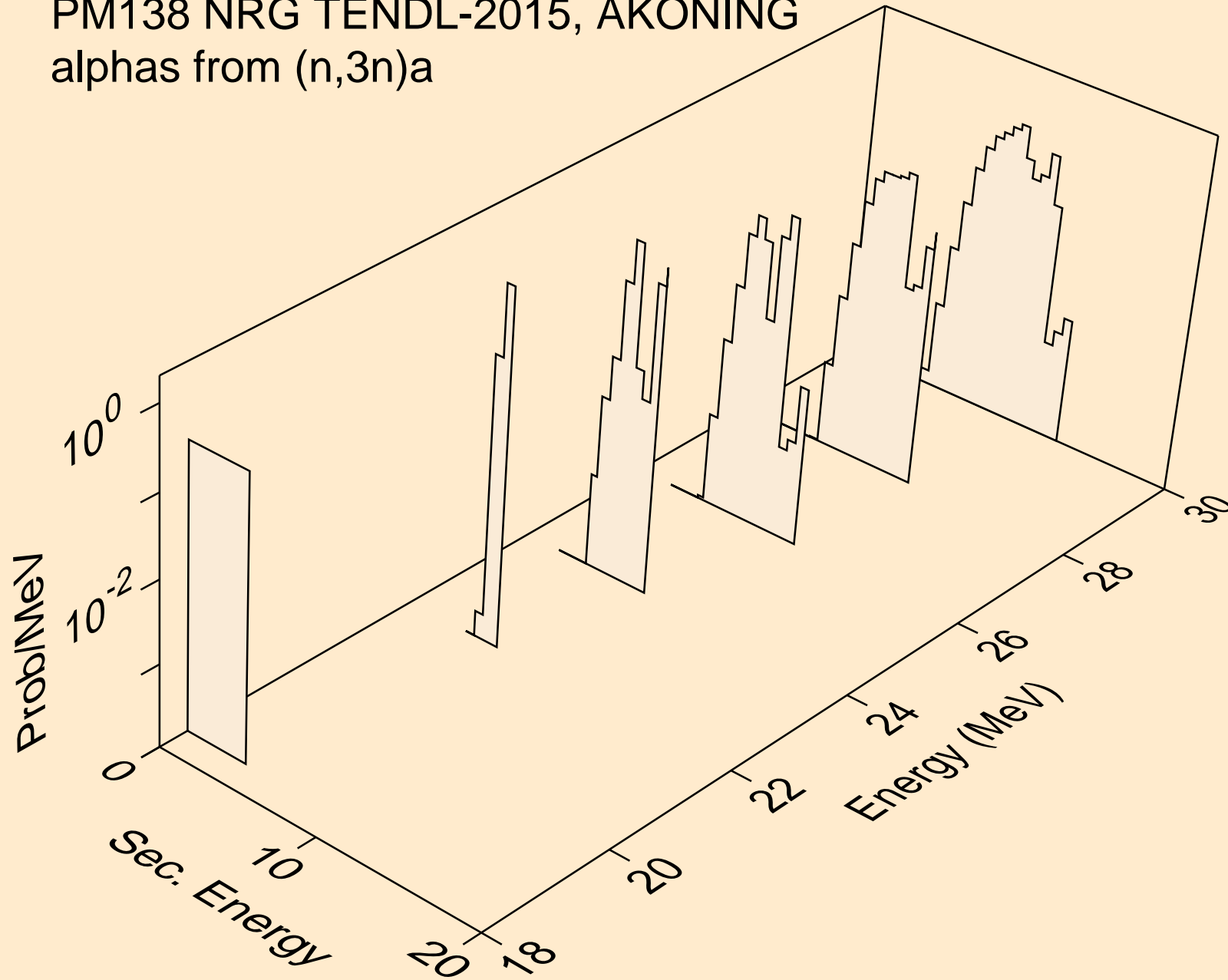




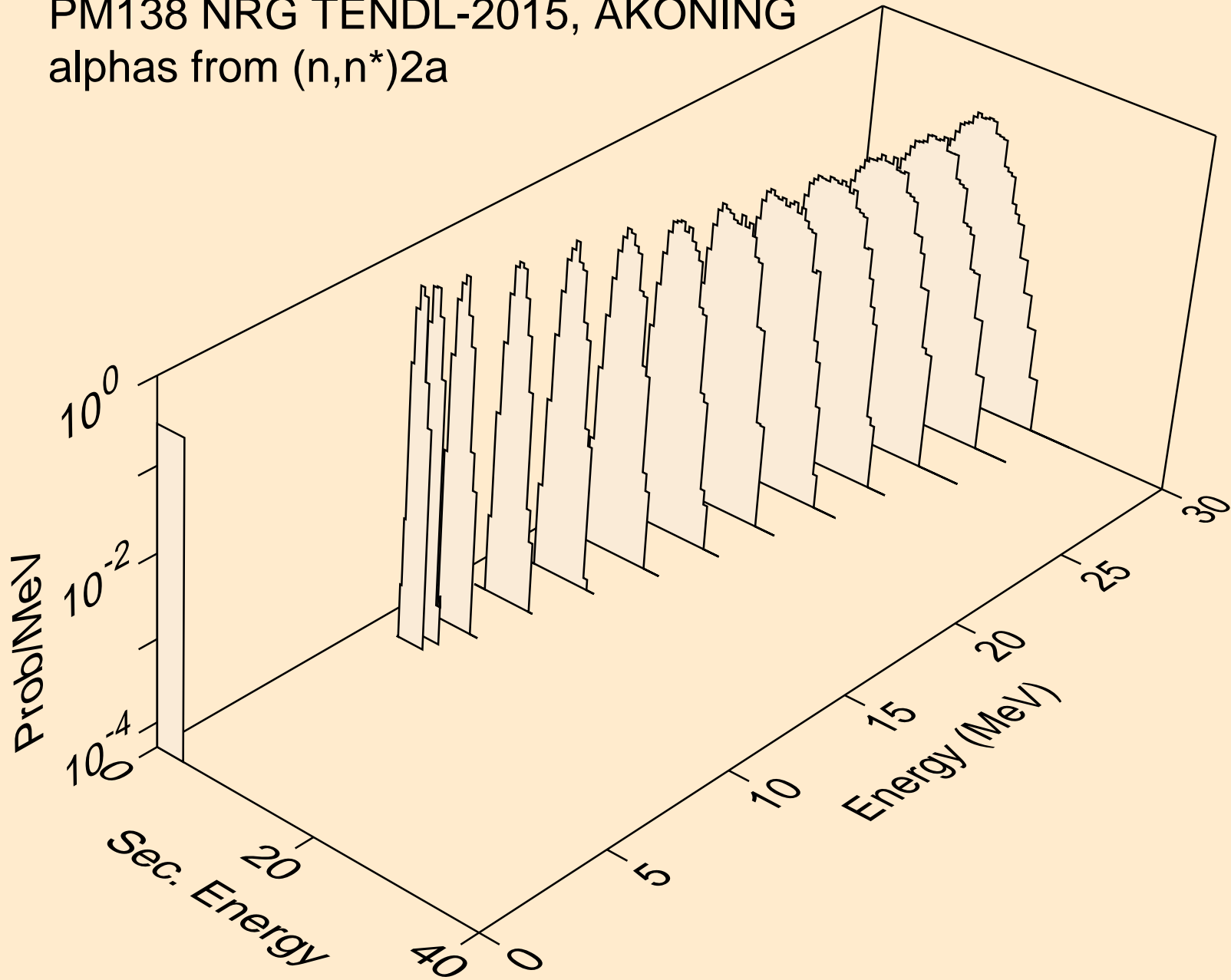
PM138 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



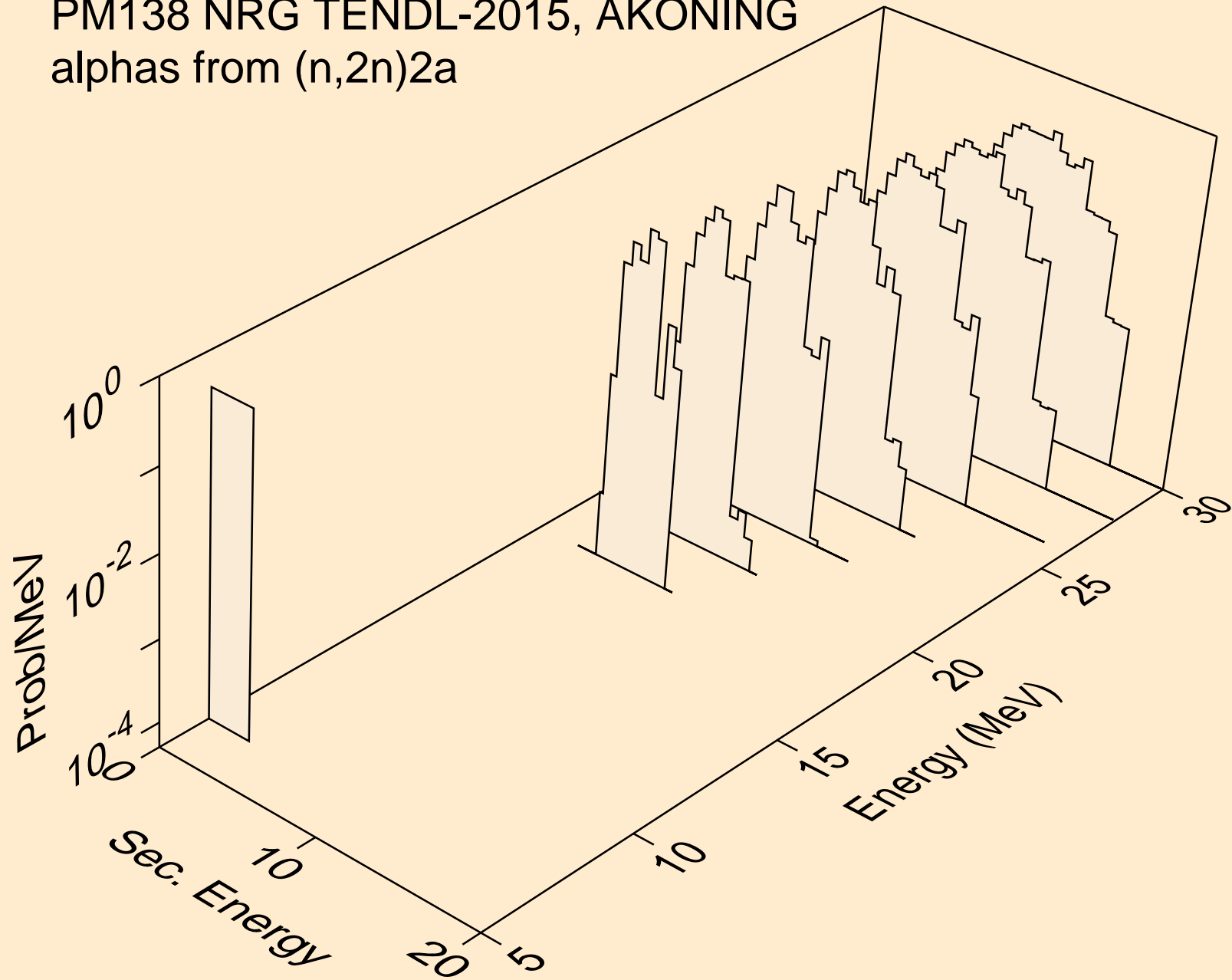
PM138 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



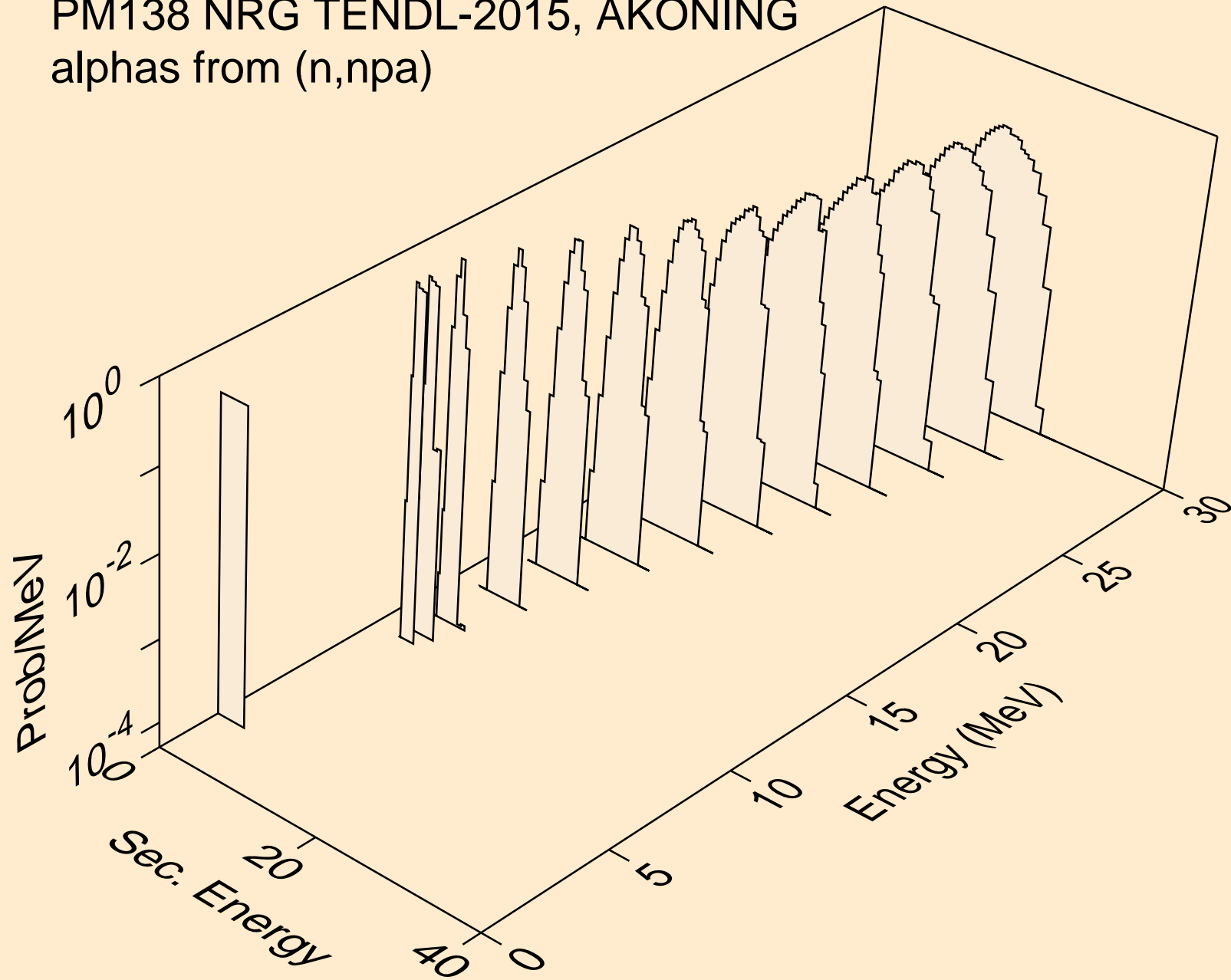
PM138 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



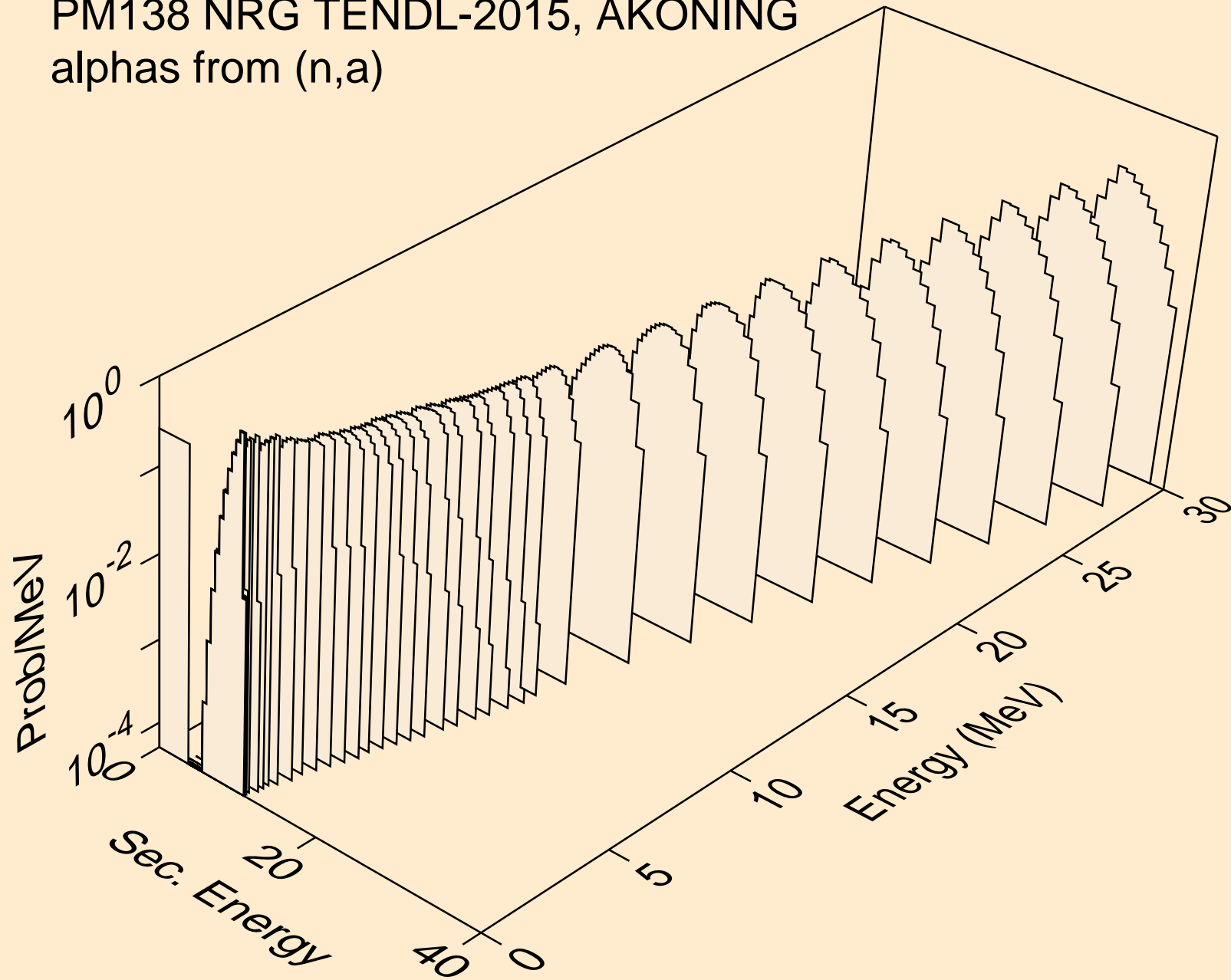
PM138 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



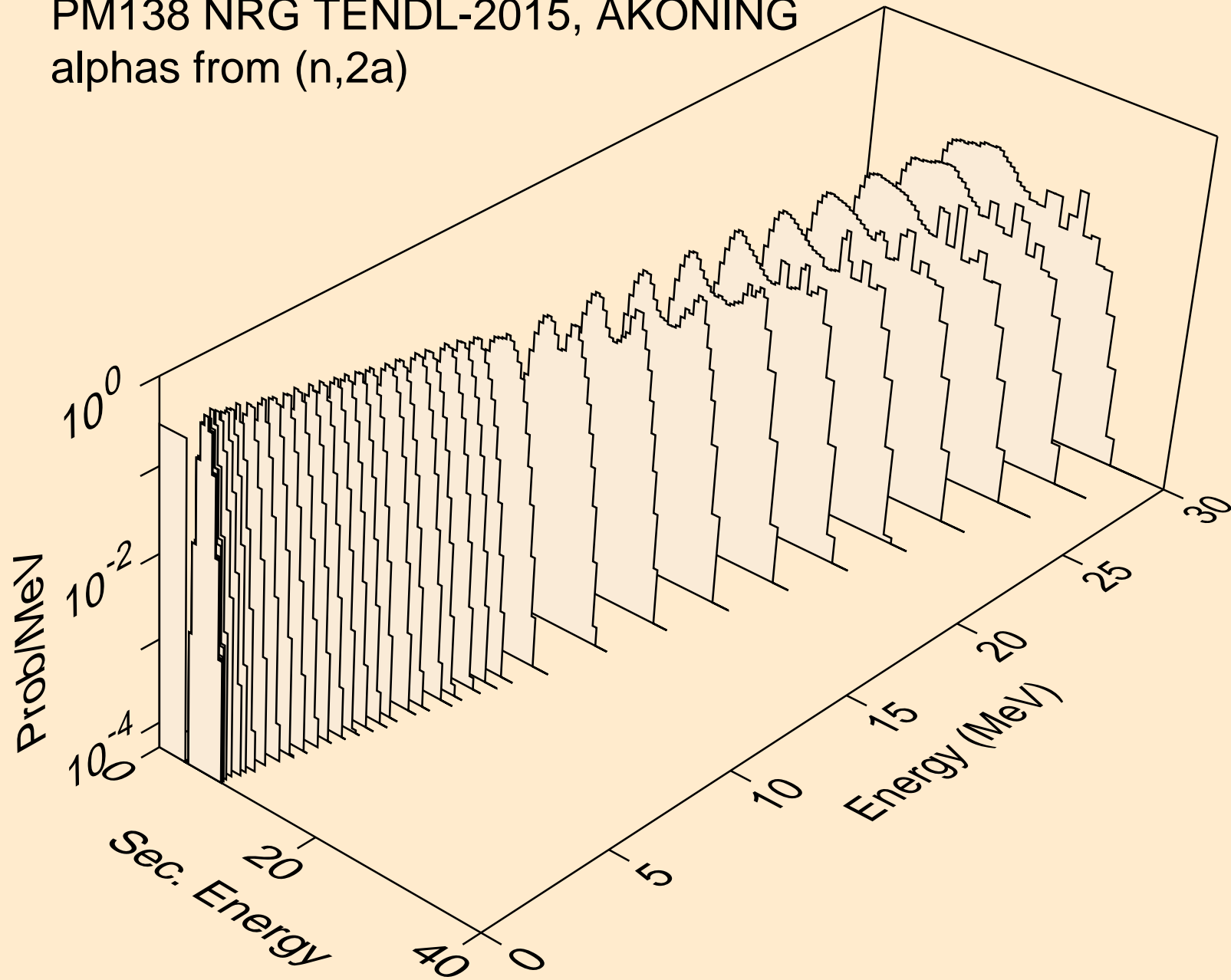
PM138 NRG TENDL-2015, AKONING  
alphas from (n,npa)



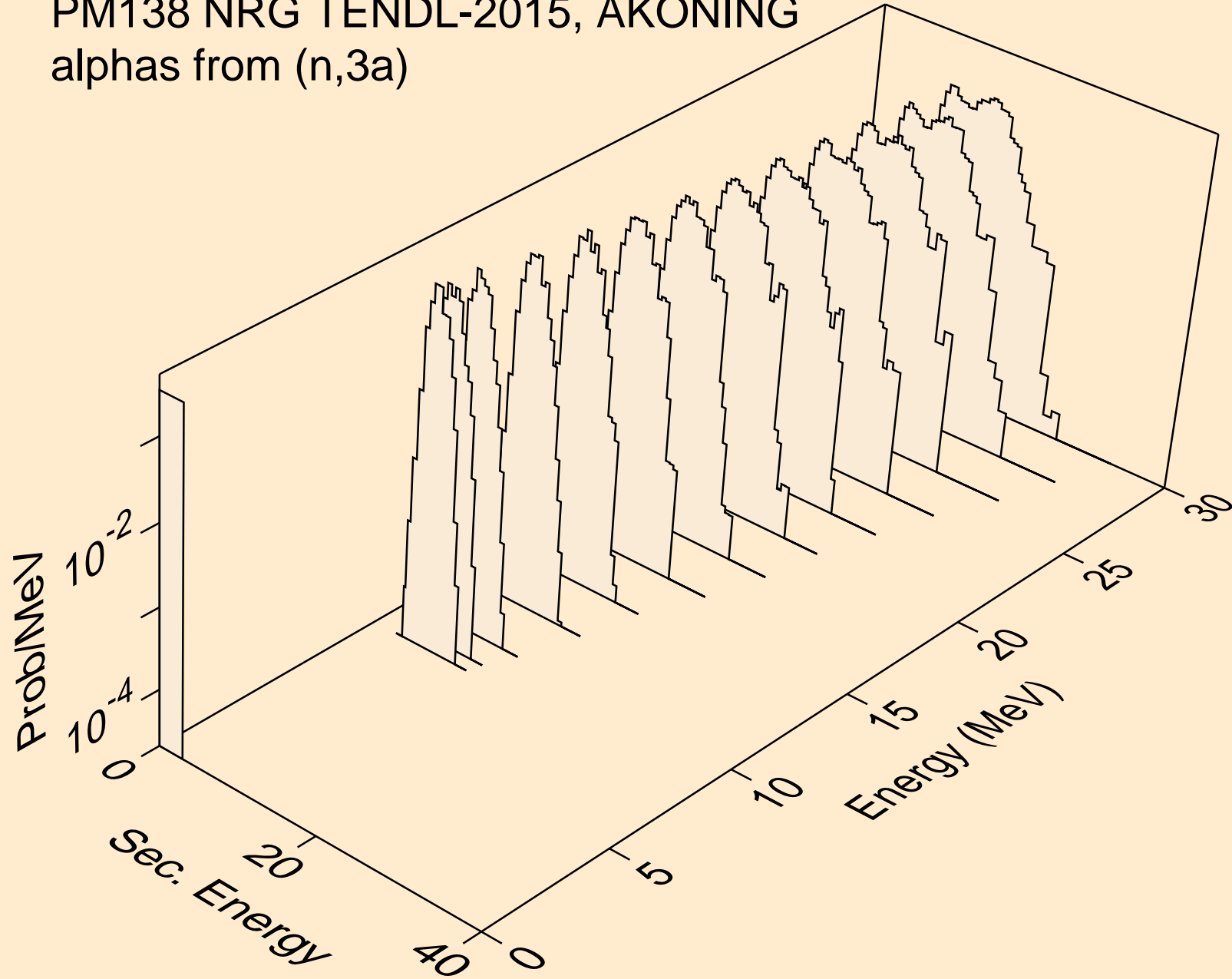
PM138 NRG TENDL-2015, AKONING  
alphas from (n,a)



PM138 NRG TENDL-2015, AKONING  
alphas from (n,2a)

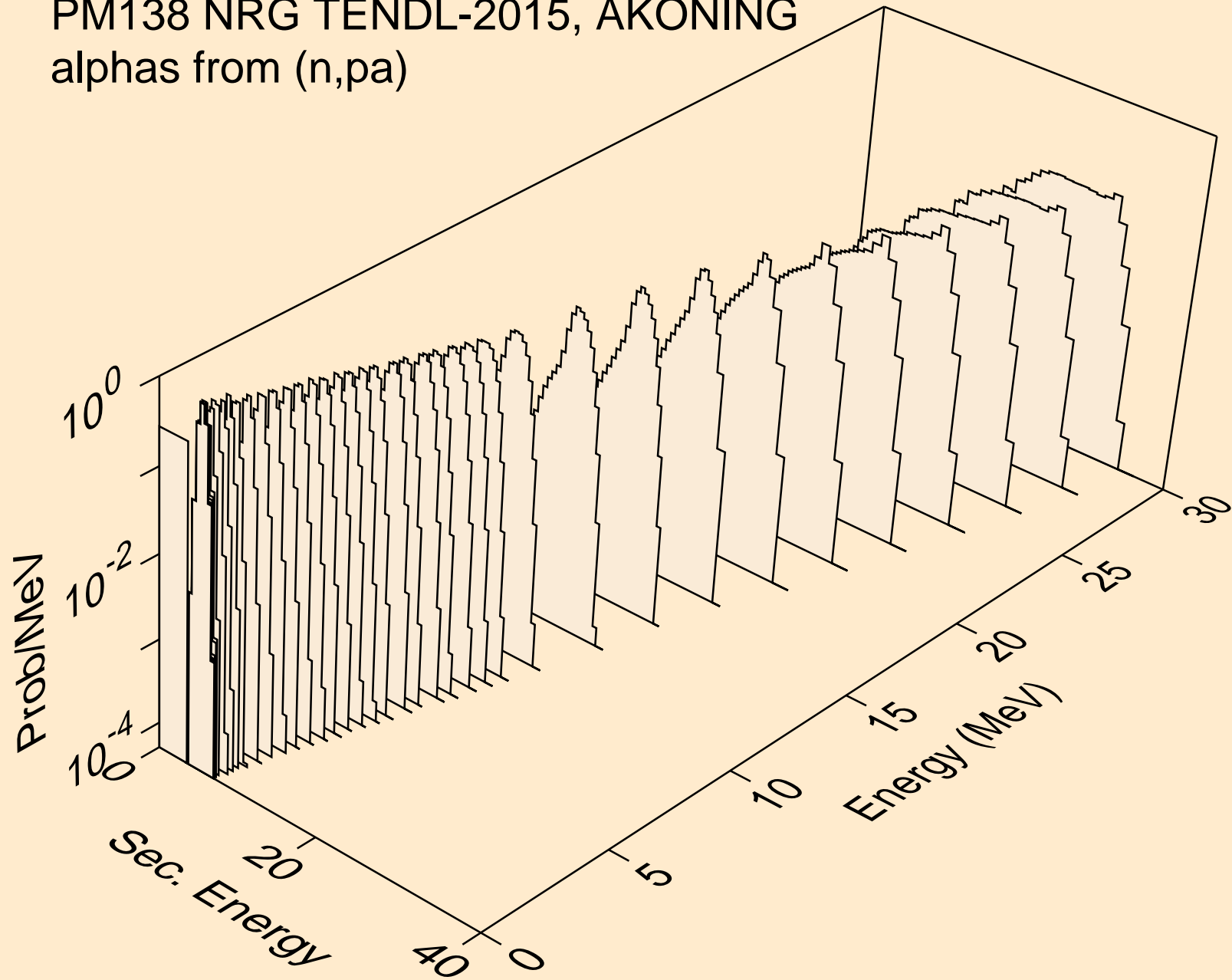


PM138 NRG TENDL-2015, AKONING  
alphas from (n,3a)





PM138 NRG TENDL-2015, AKONING  
alphas from (n,pa)



PM138 NRG TENDL-2015, AKONING  
alphas from (n,da)

