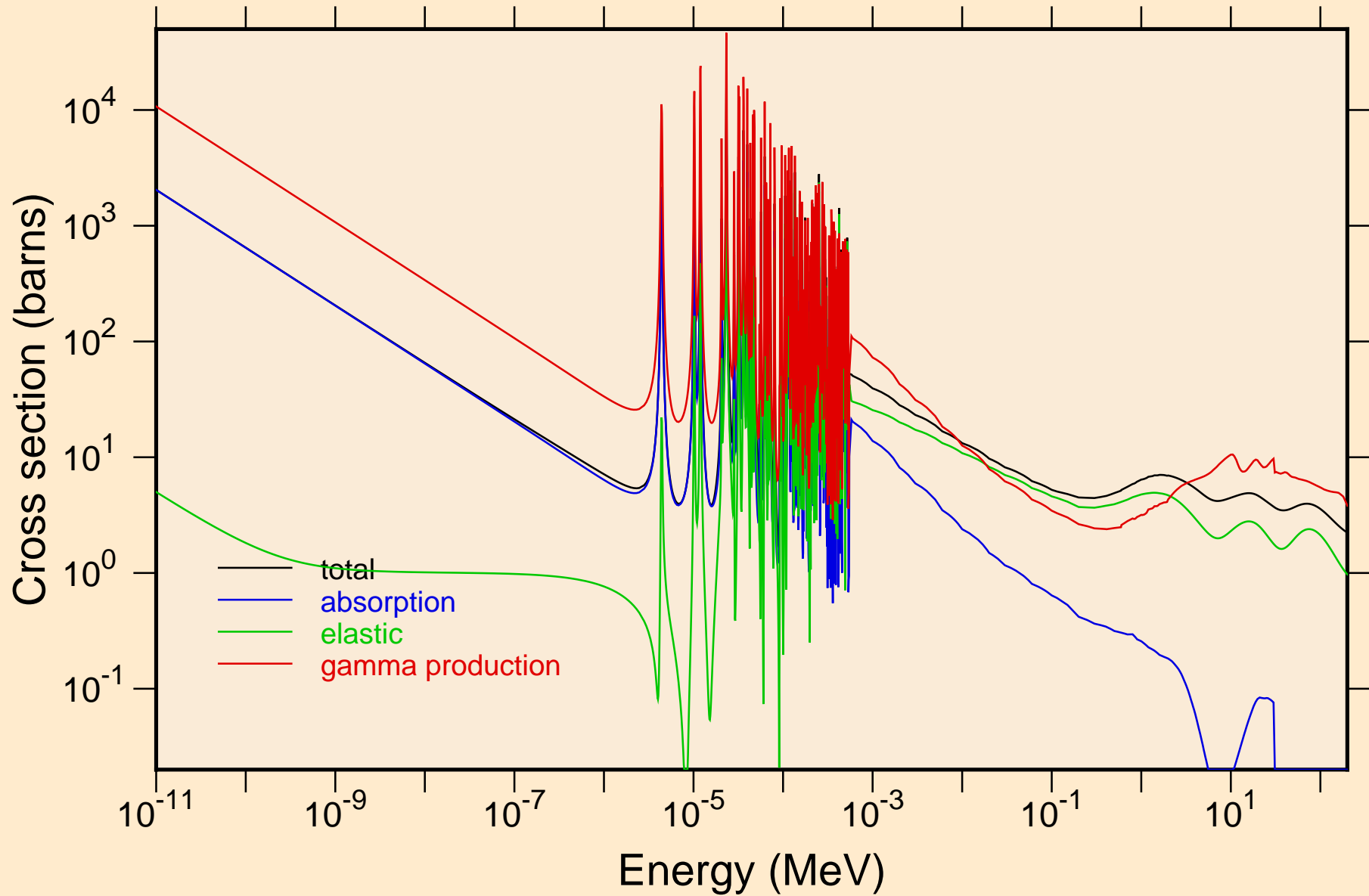
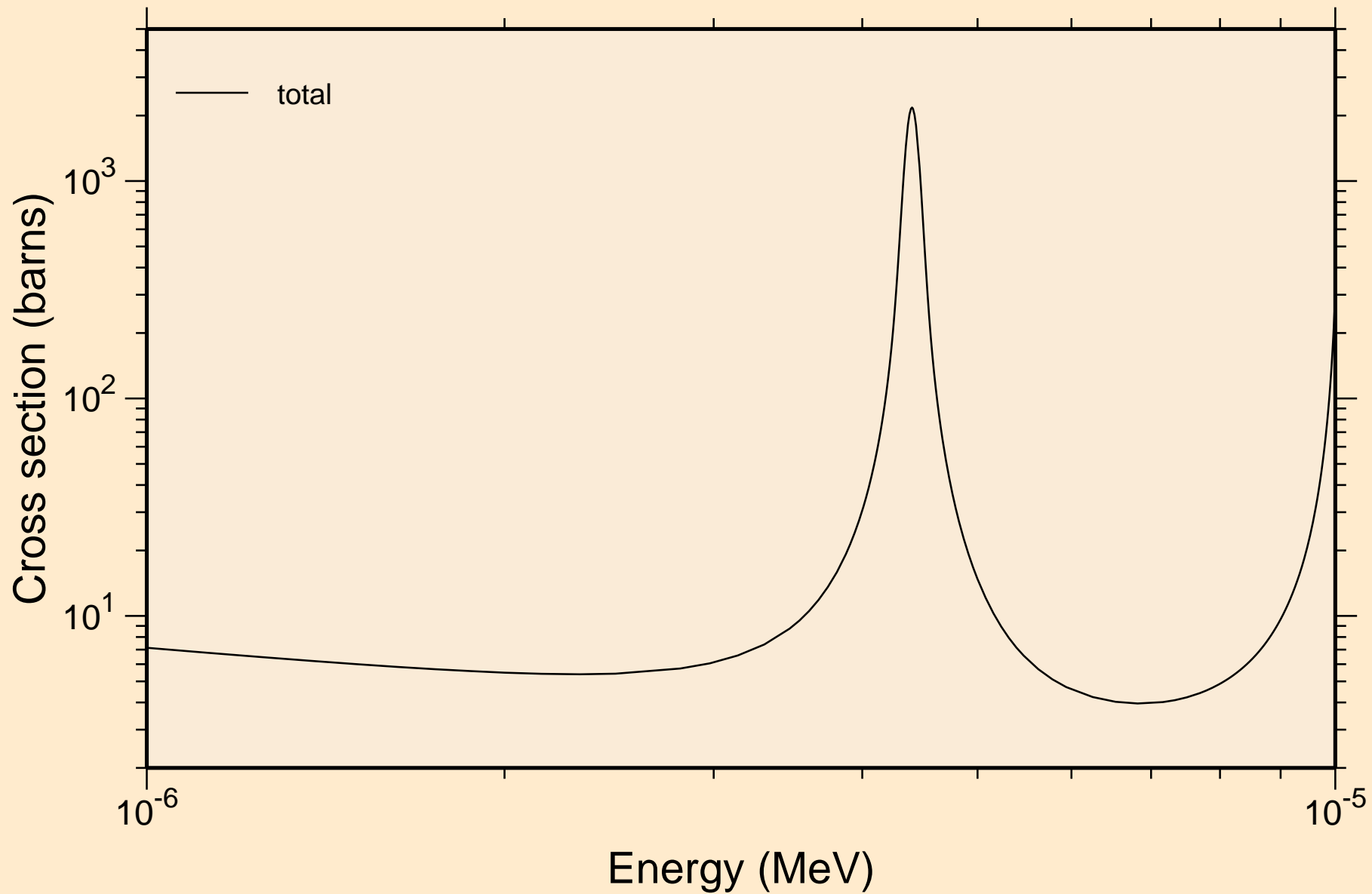


# PR139 NRG TENDL-2015, AKONING

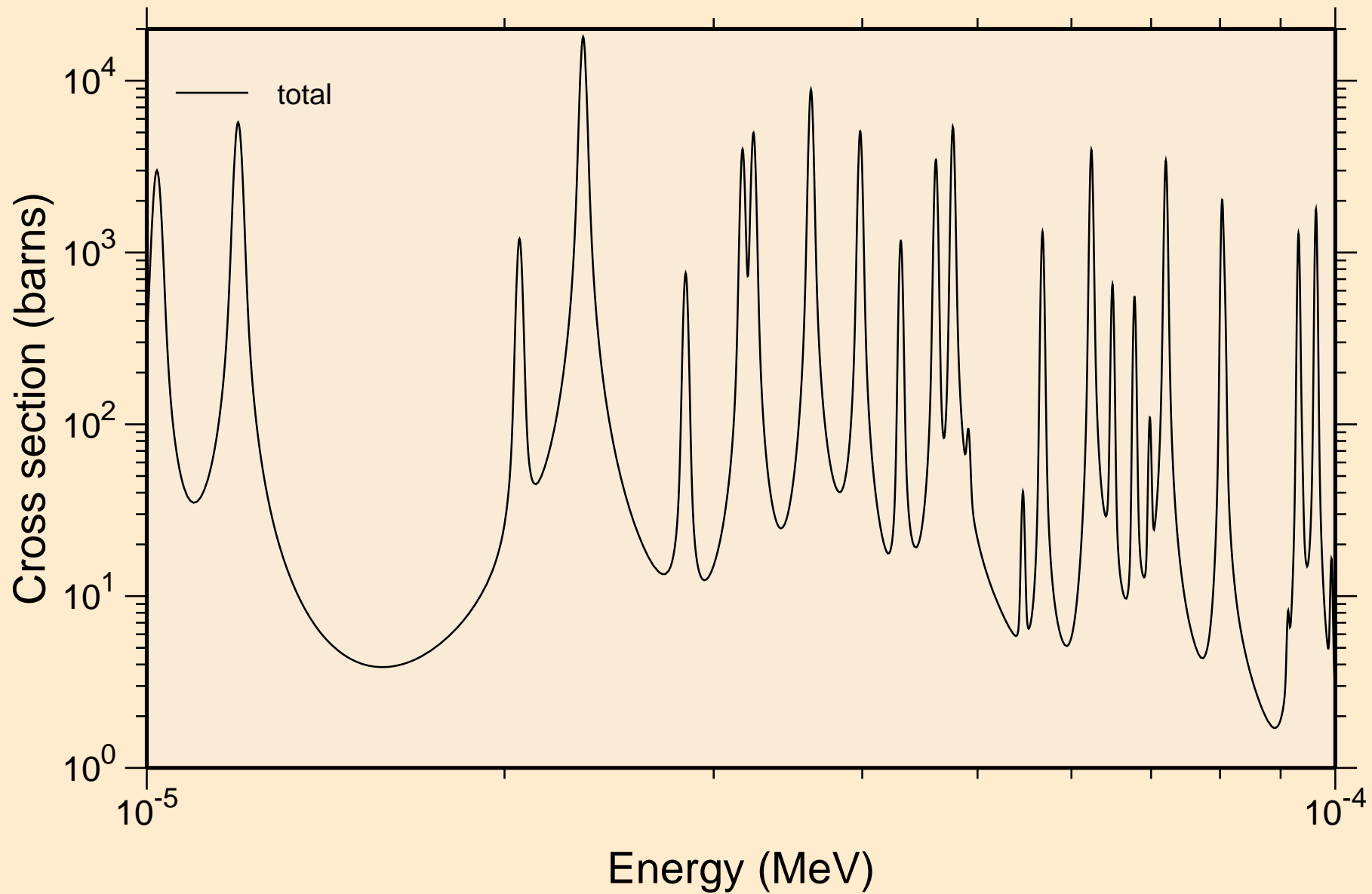
## Principal cross sections



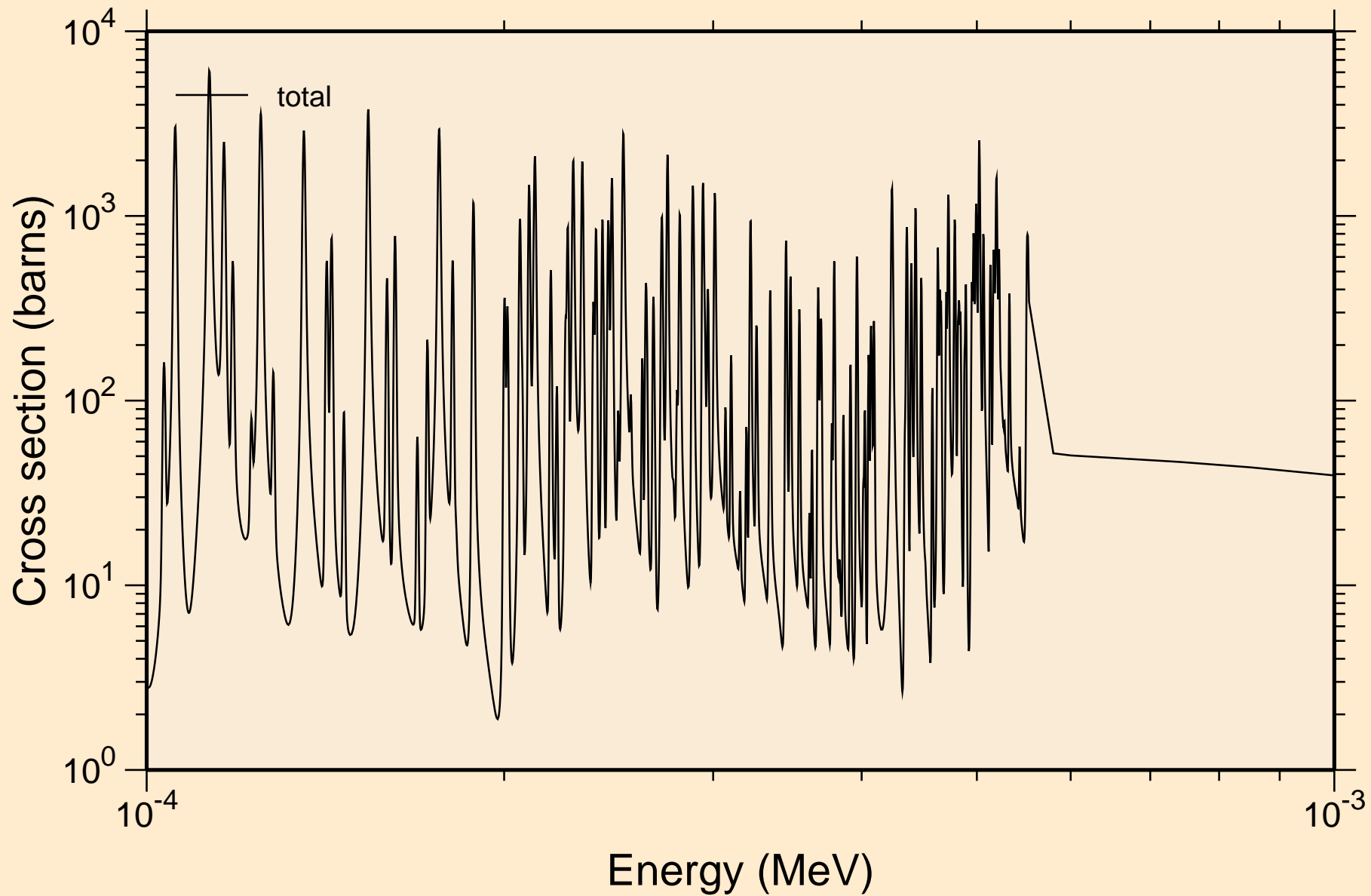
PR139 NRG TENDL-2015, AKONING  
resonance total cross section



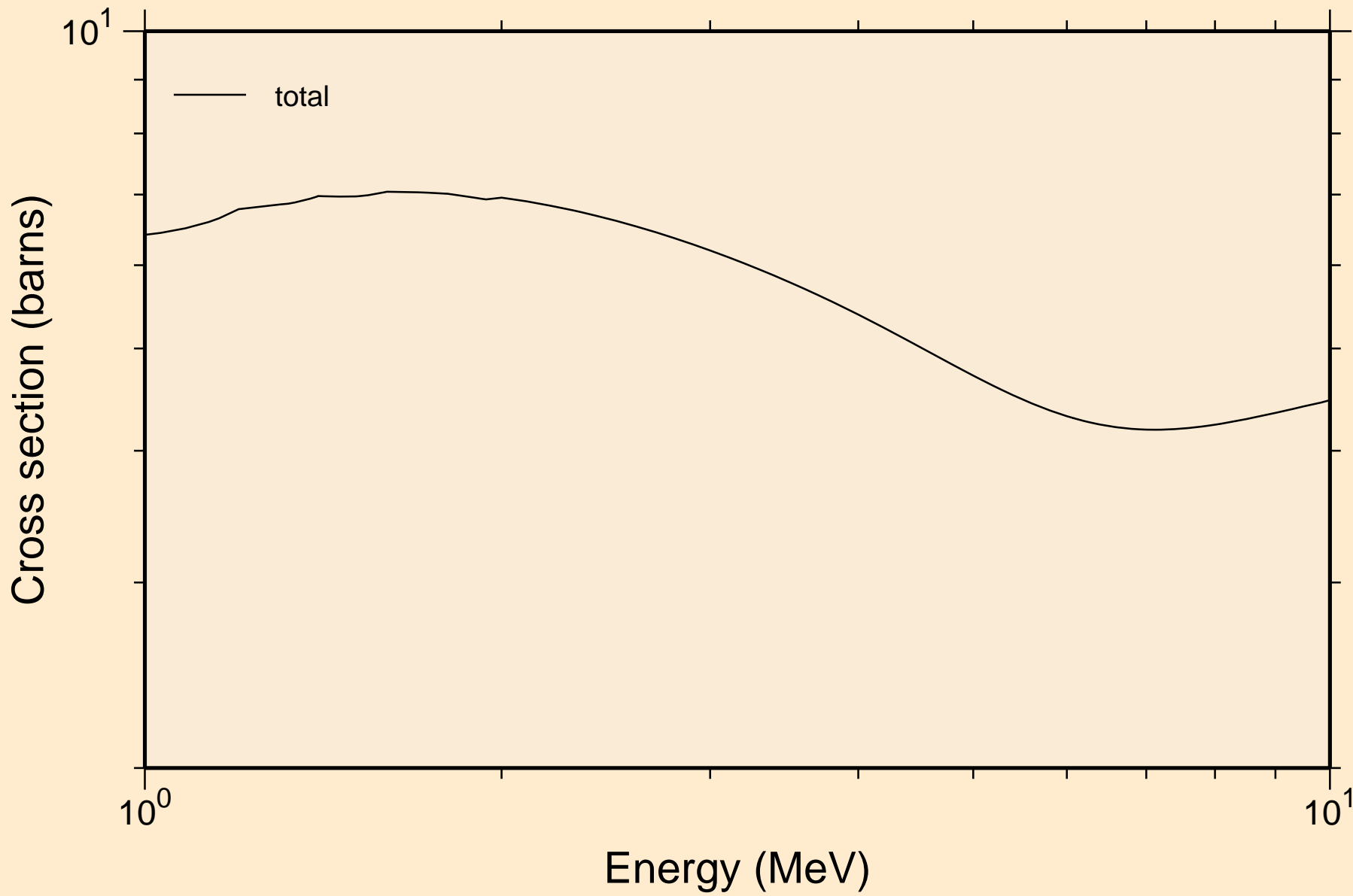
PR139 NRG TENDL-2015, AKONING  
resonance total cross section



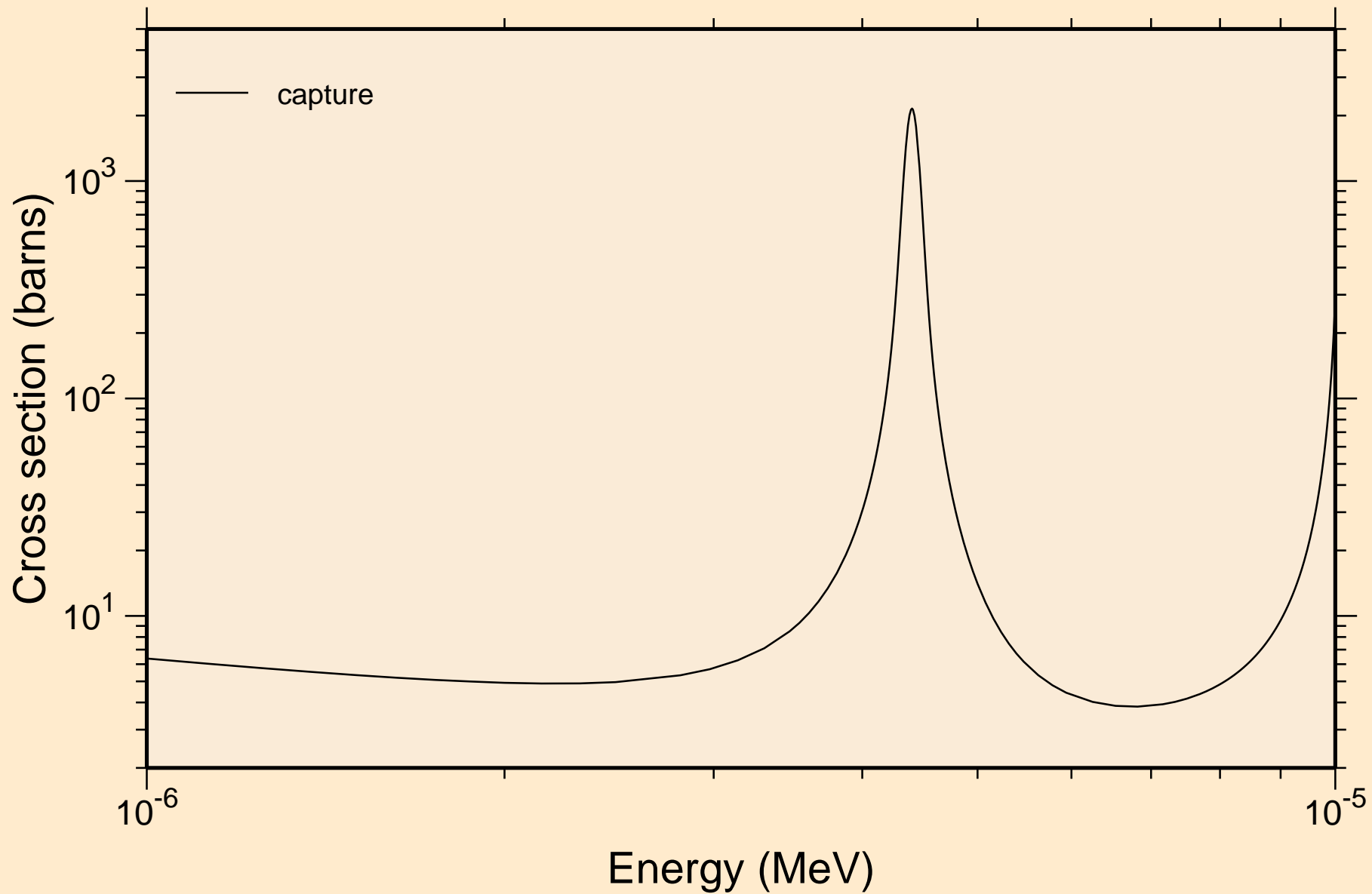
PR139 NRG TENDL-2015, AKONING  
resonance total cross section



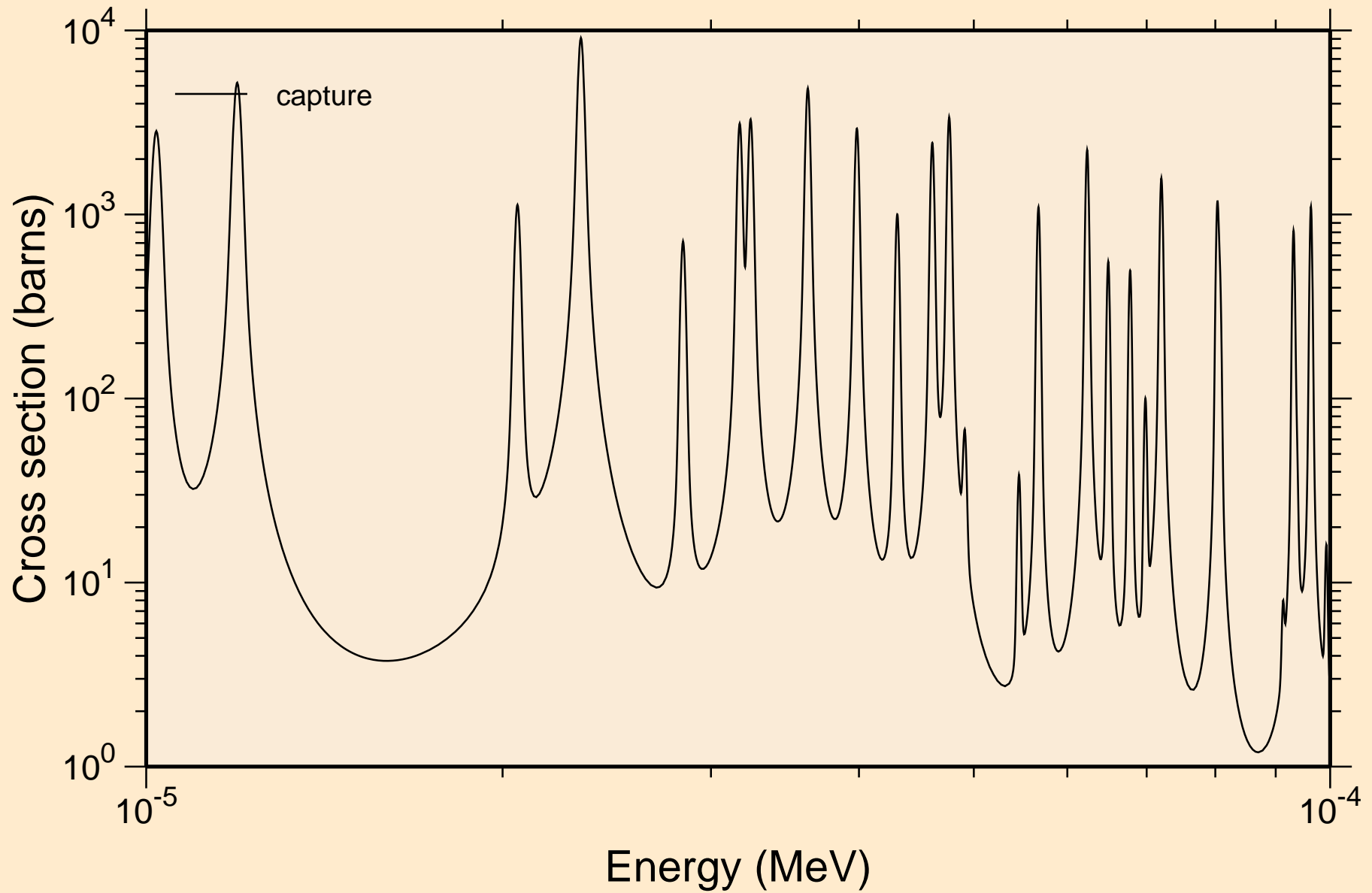
PR139 NRG TENDL-2015, AKONING  
resonance total cross section



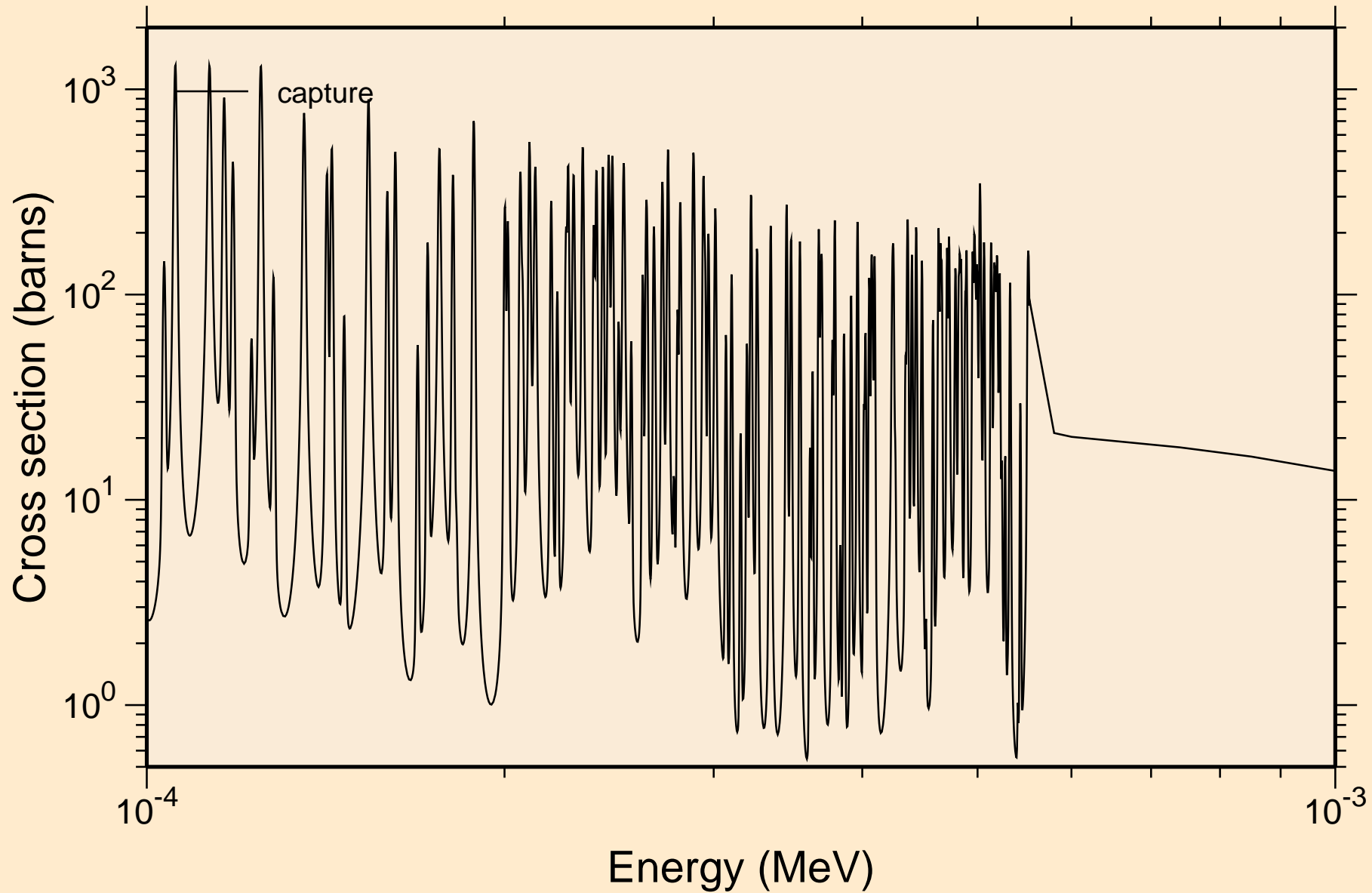
PR139 NRG TENDL-2015, AKONING  
resonance absorption cross sections



PR139 NRG TENDL-2015, AKONING  
resonance absorption cross sections

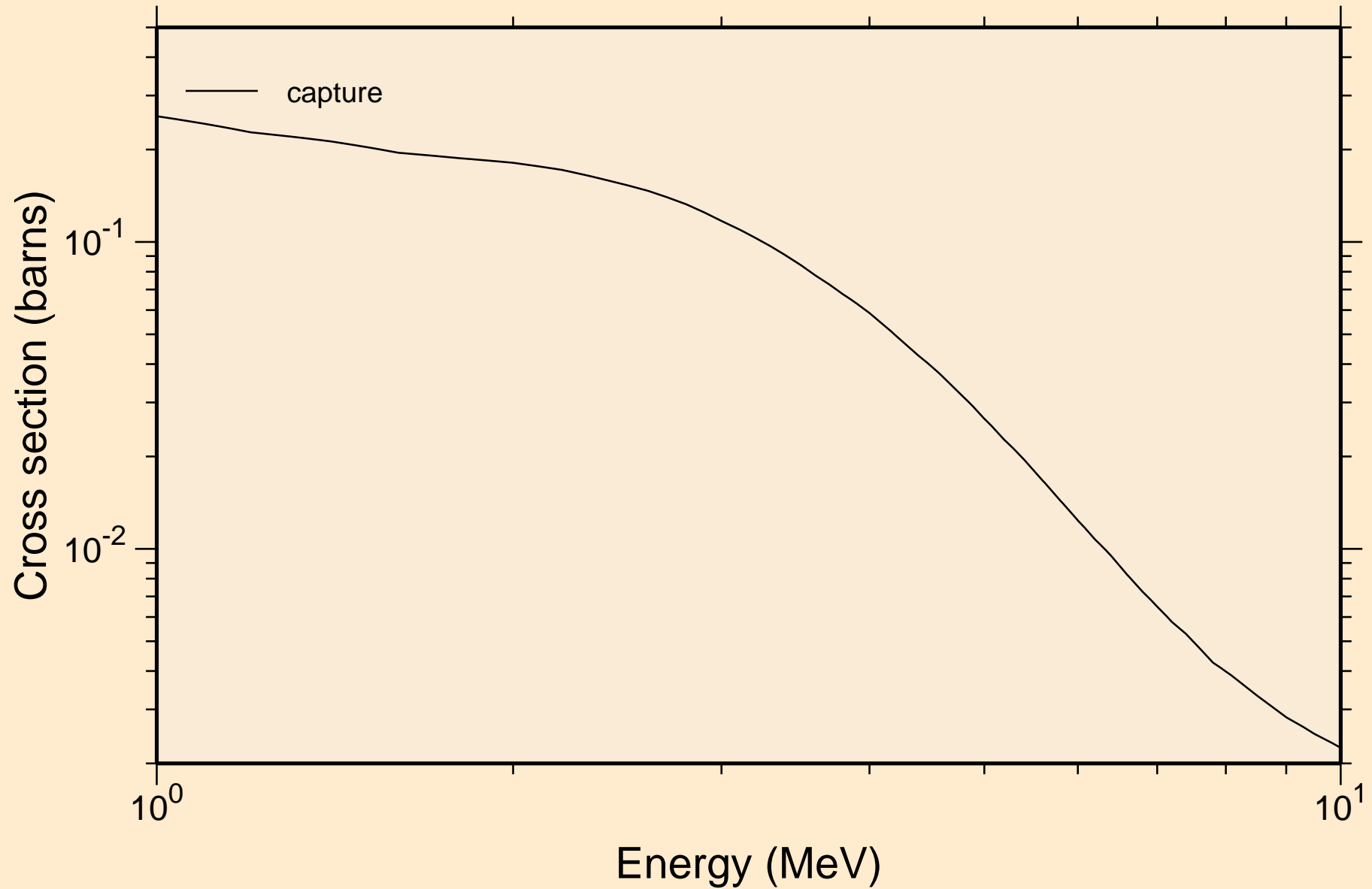


PR139 NRG TENDL-2015, AKONING  
resonance absorption cross sections



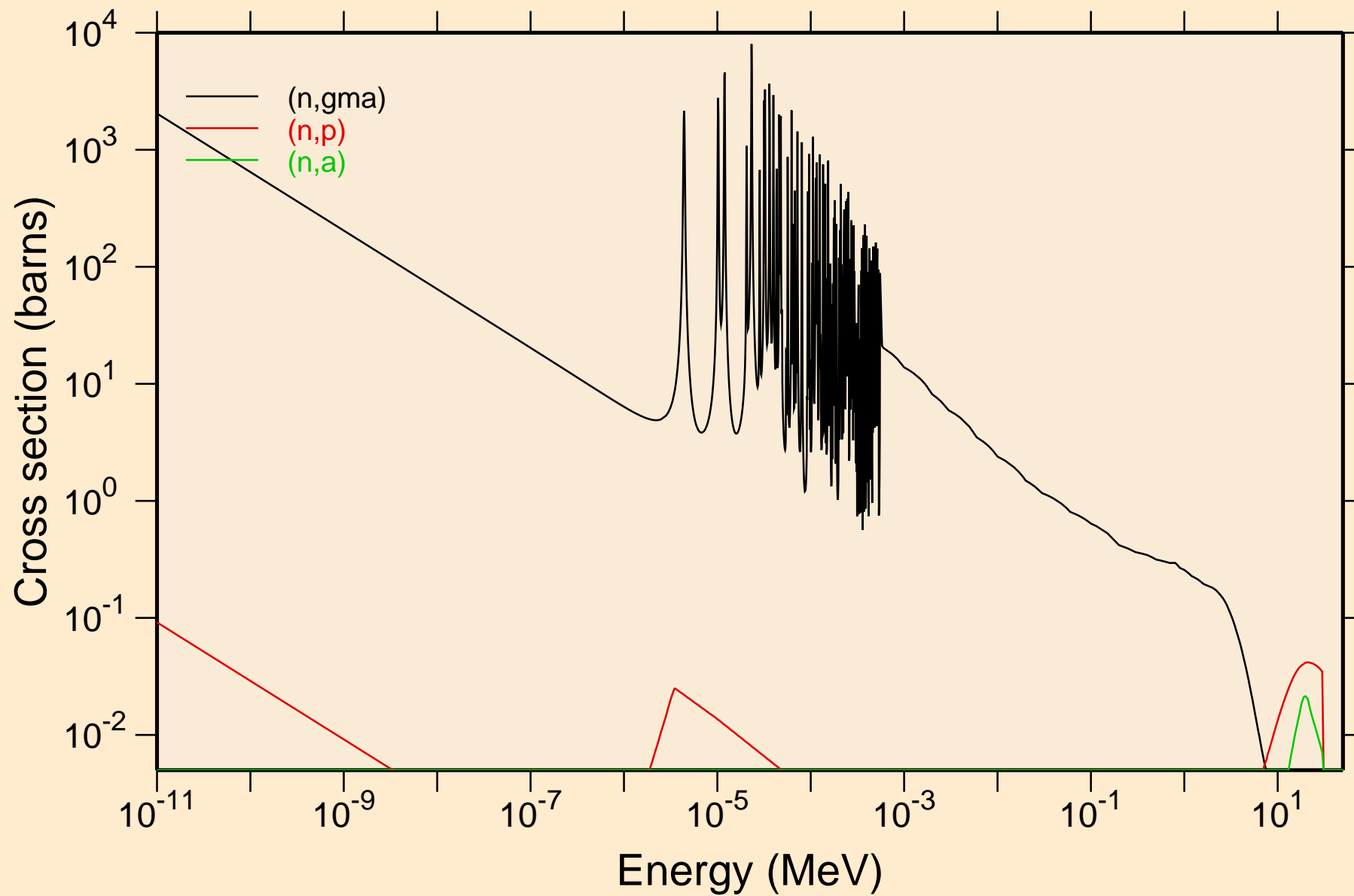


PR139 NRG TENDL-2015, AKONING  
resonance absorption cross sections



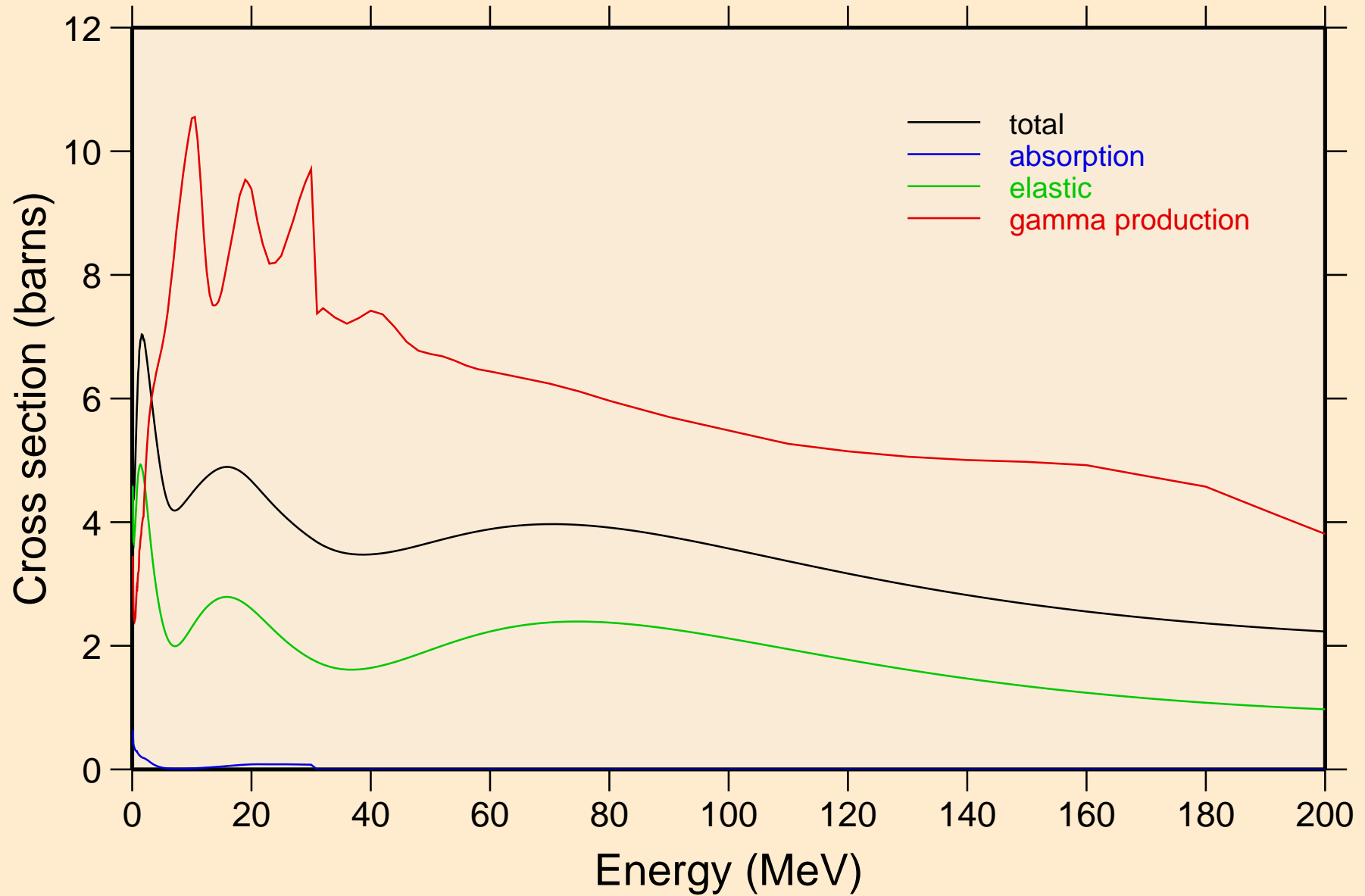
# PR139 NRG TENDL-2015, AKONING

## Non-threshold reactions



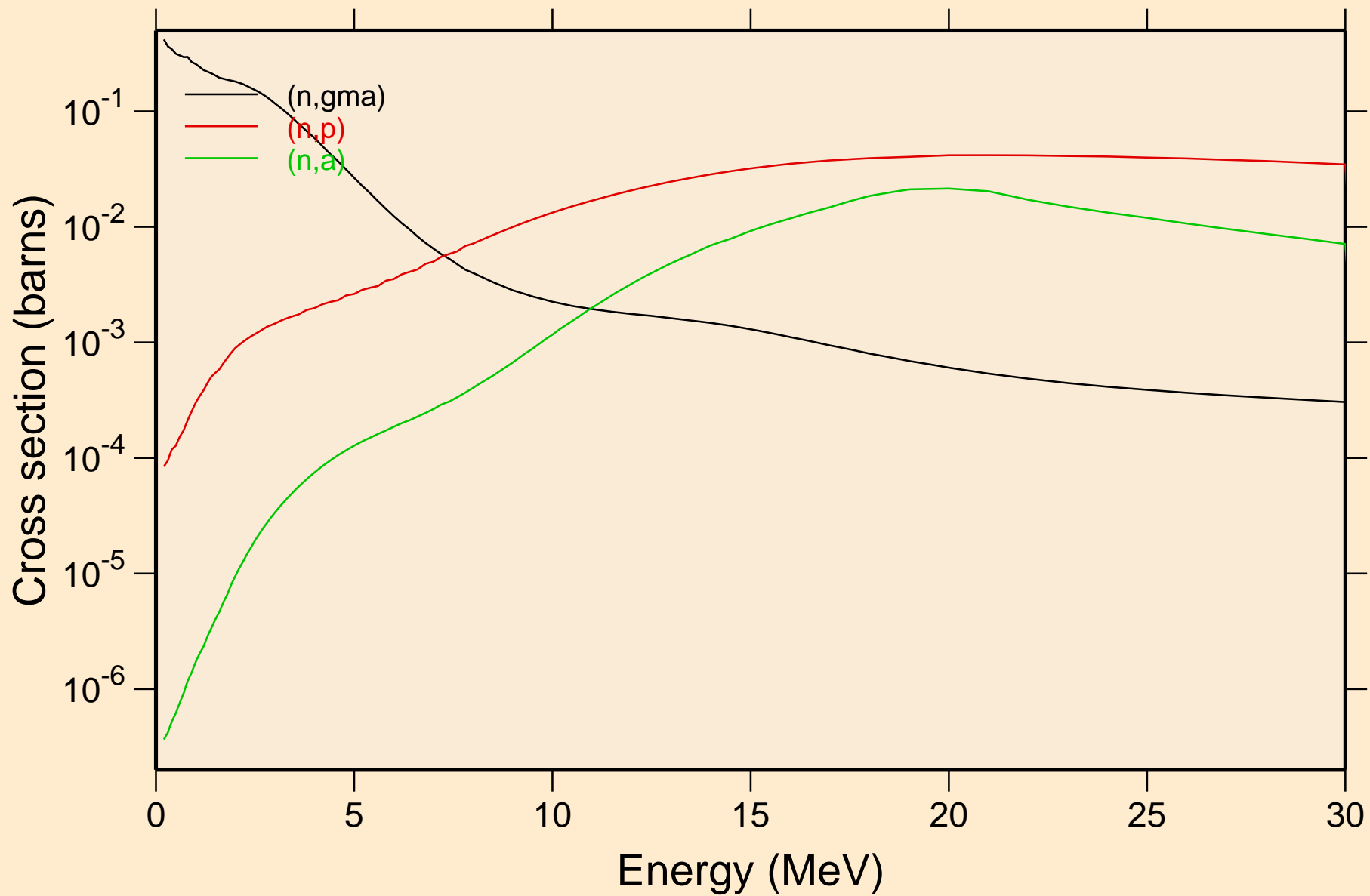
# PR139 NRG TENDL-2015, AKONING

## Principal cross sections

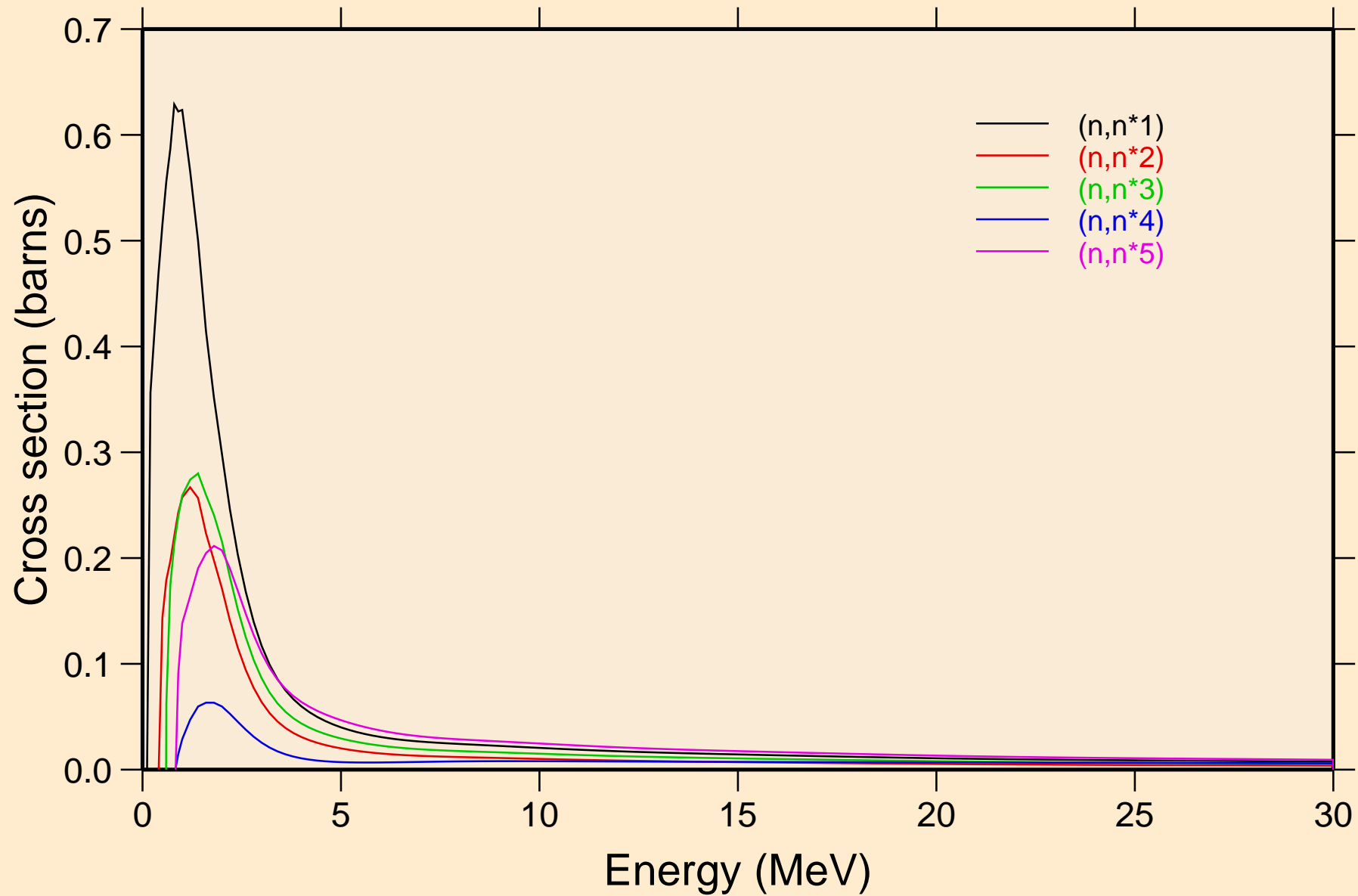


# PR139 NRG TENDL-2015, AKONING

## Non-threshold reactions

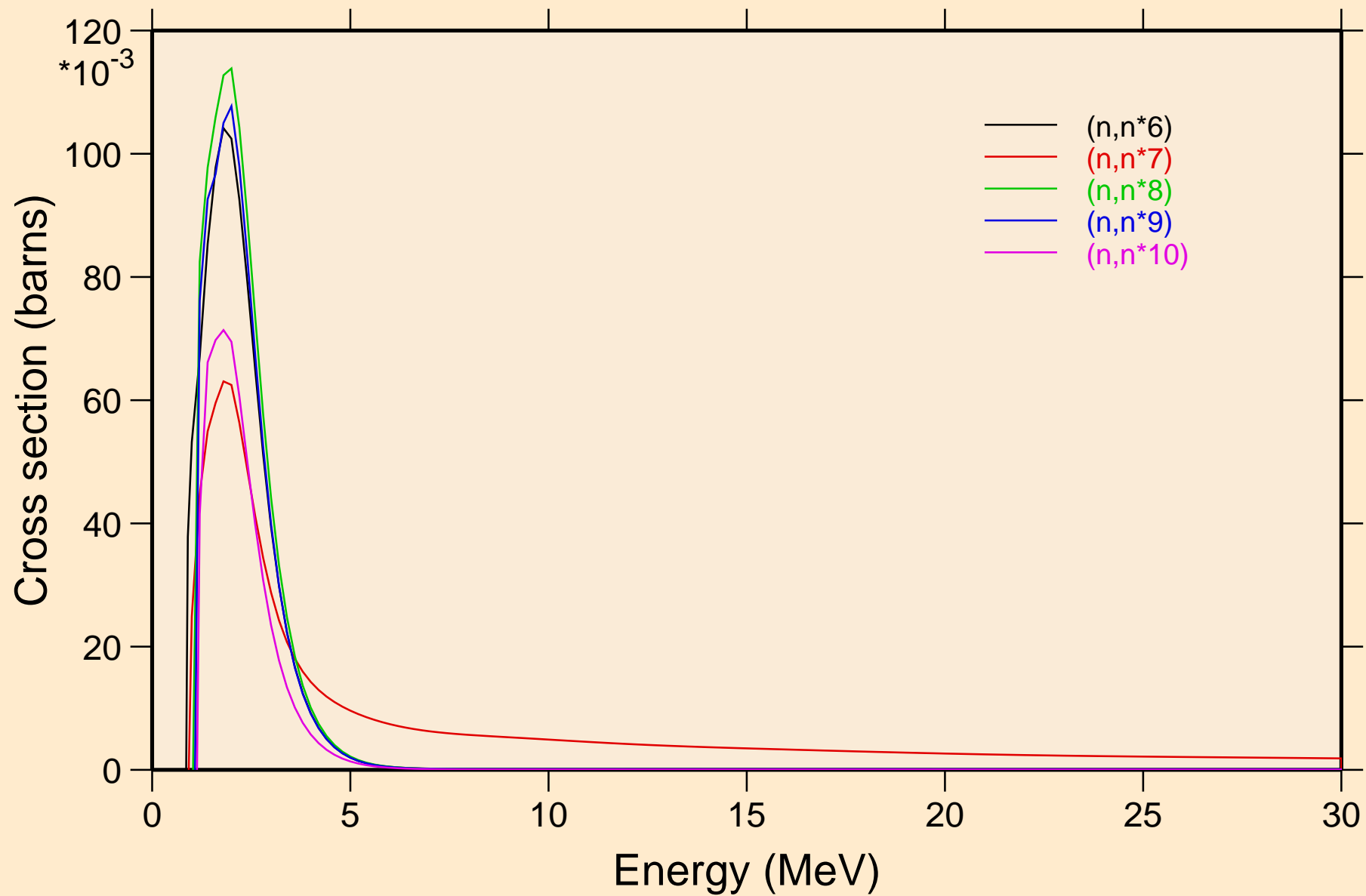


PR139 NRG TENDL-2015, AKONING  
Inelastic levels



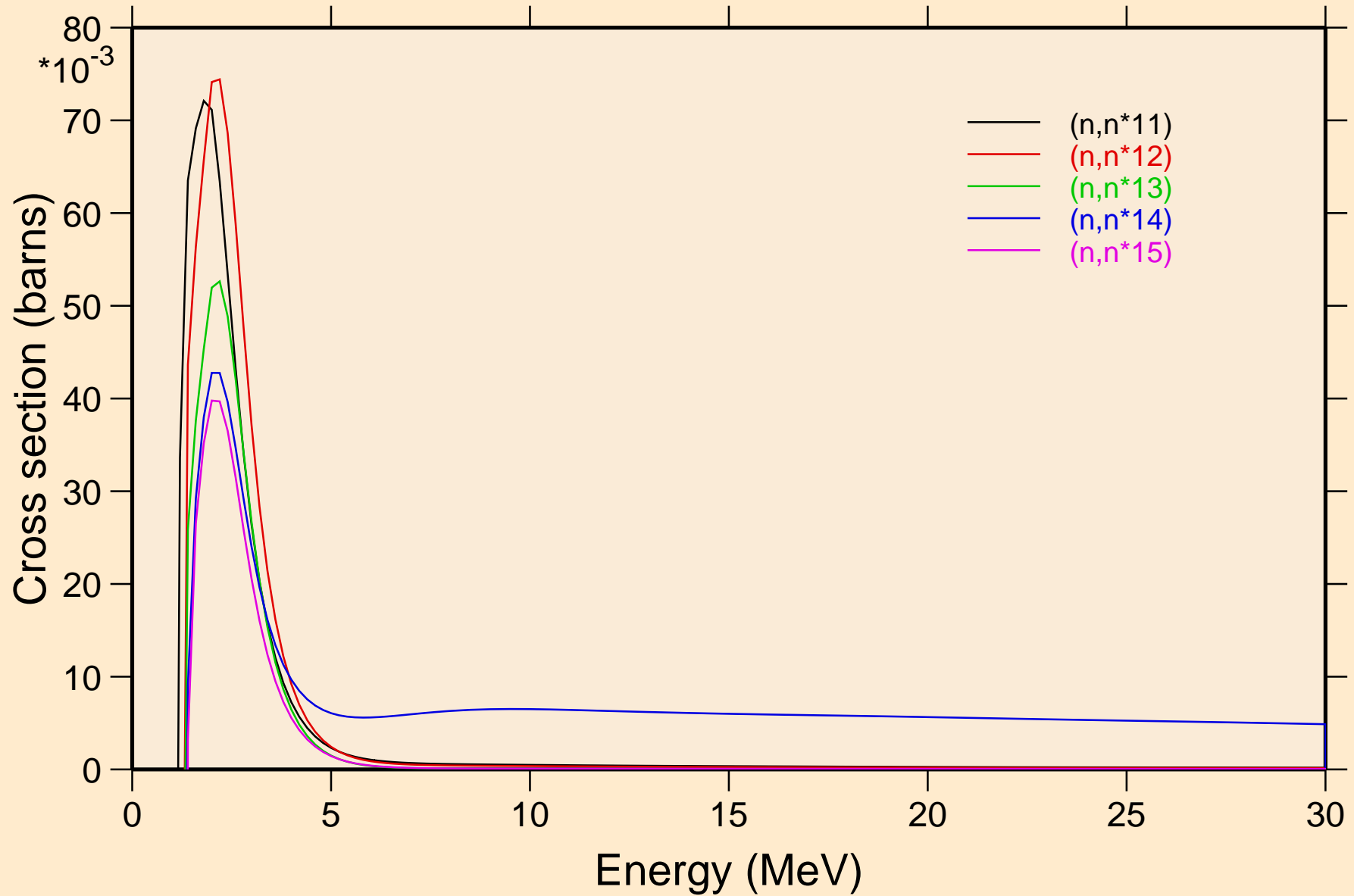
# PR139 NRG TENDL-2015, AKONING

## Inelastic levels



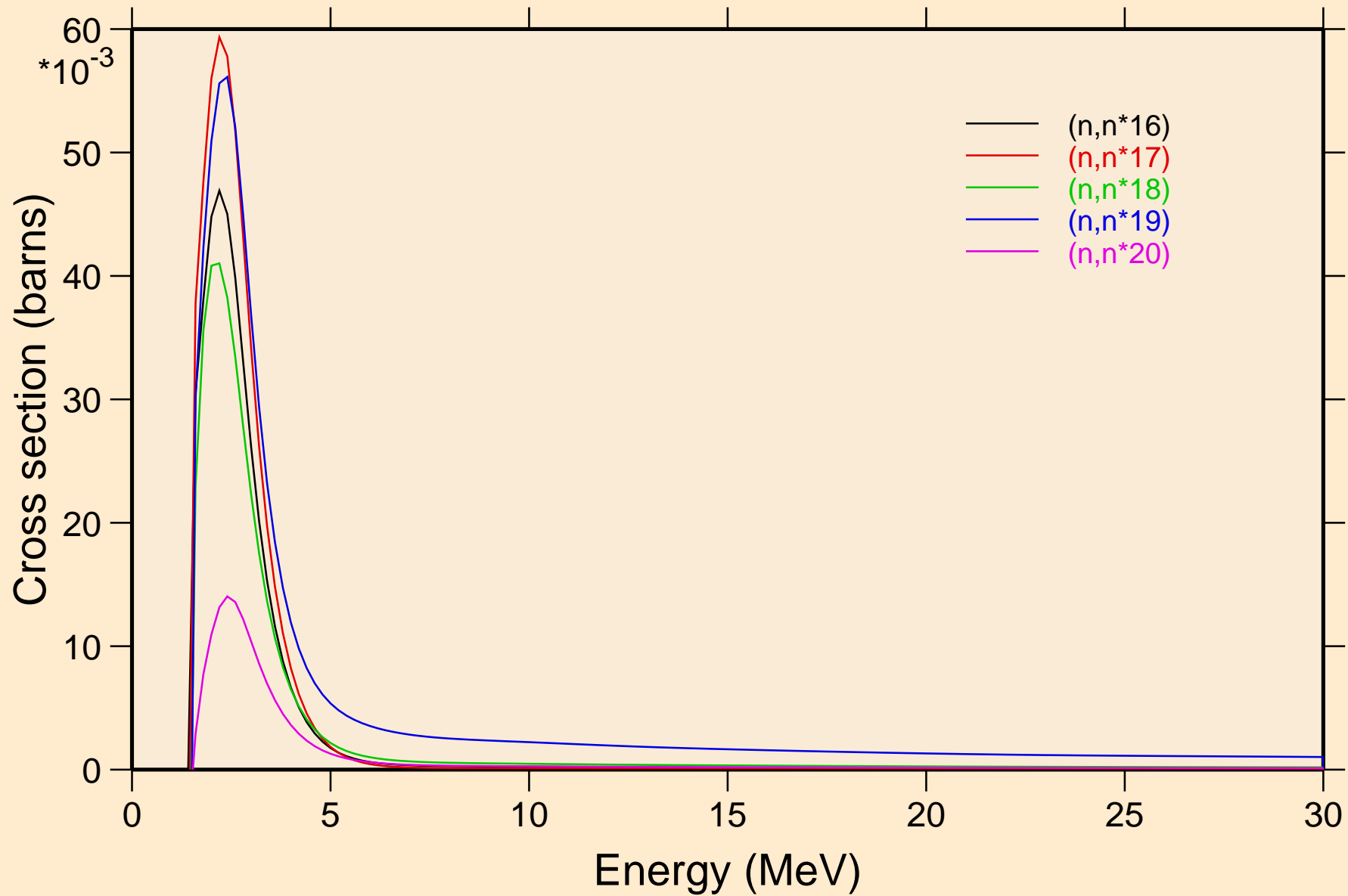
# PR139 NRG TENDL-2015, AKONING

## Inelastic levels



# PR139 NRG TENDL-2015, AKONING

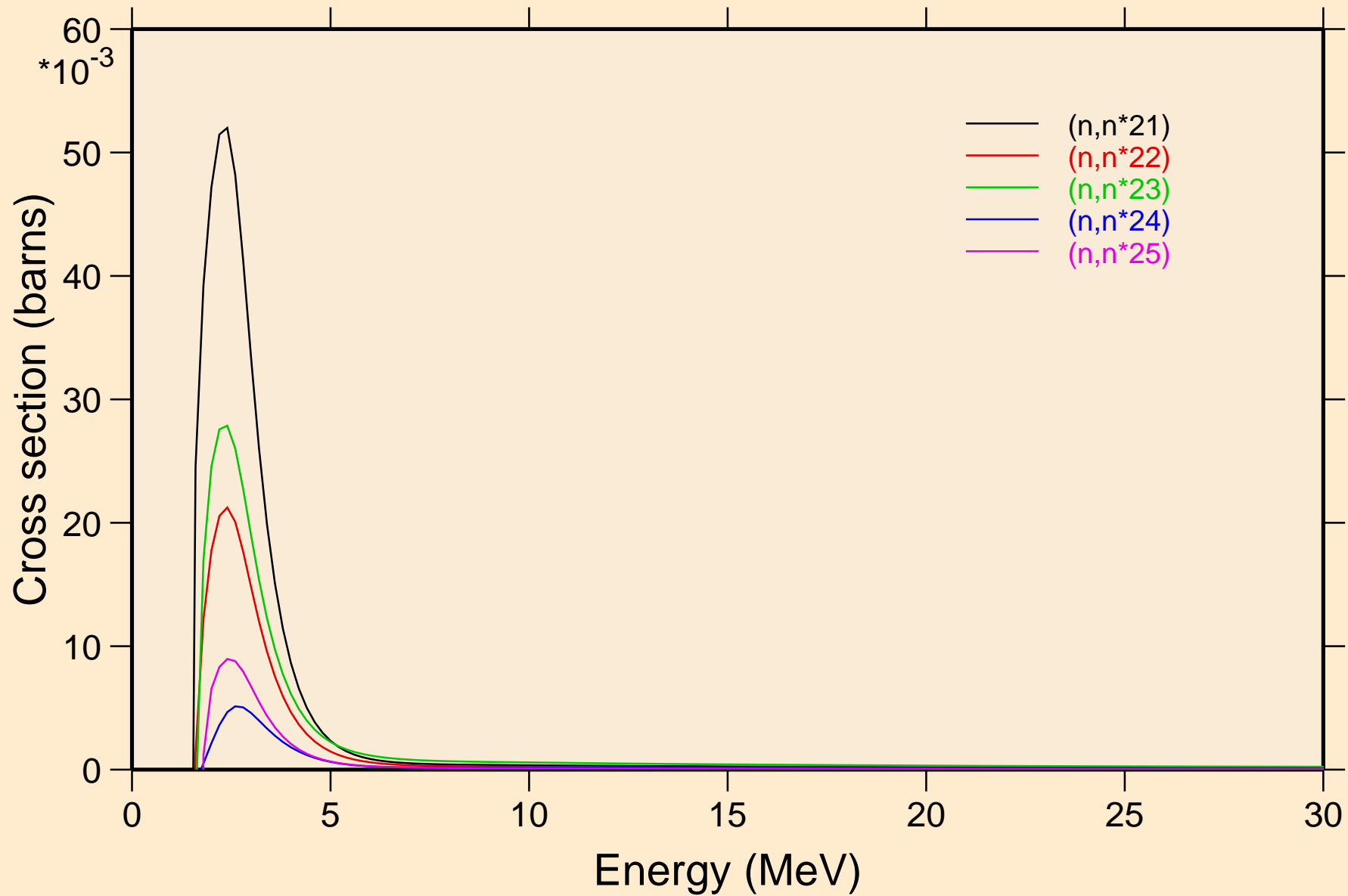
## Inelastic levels





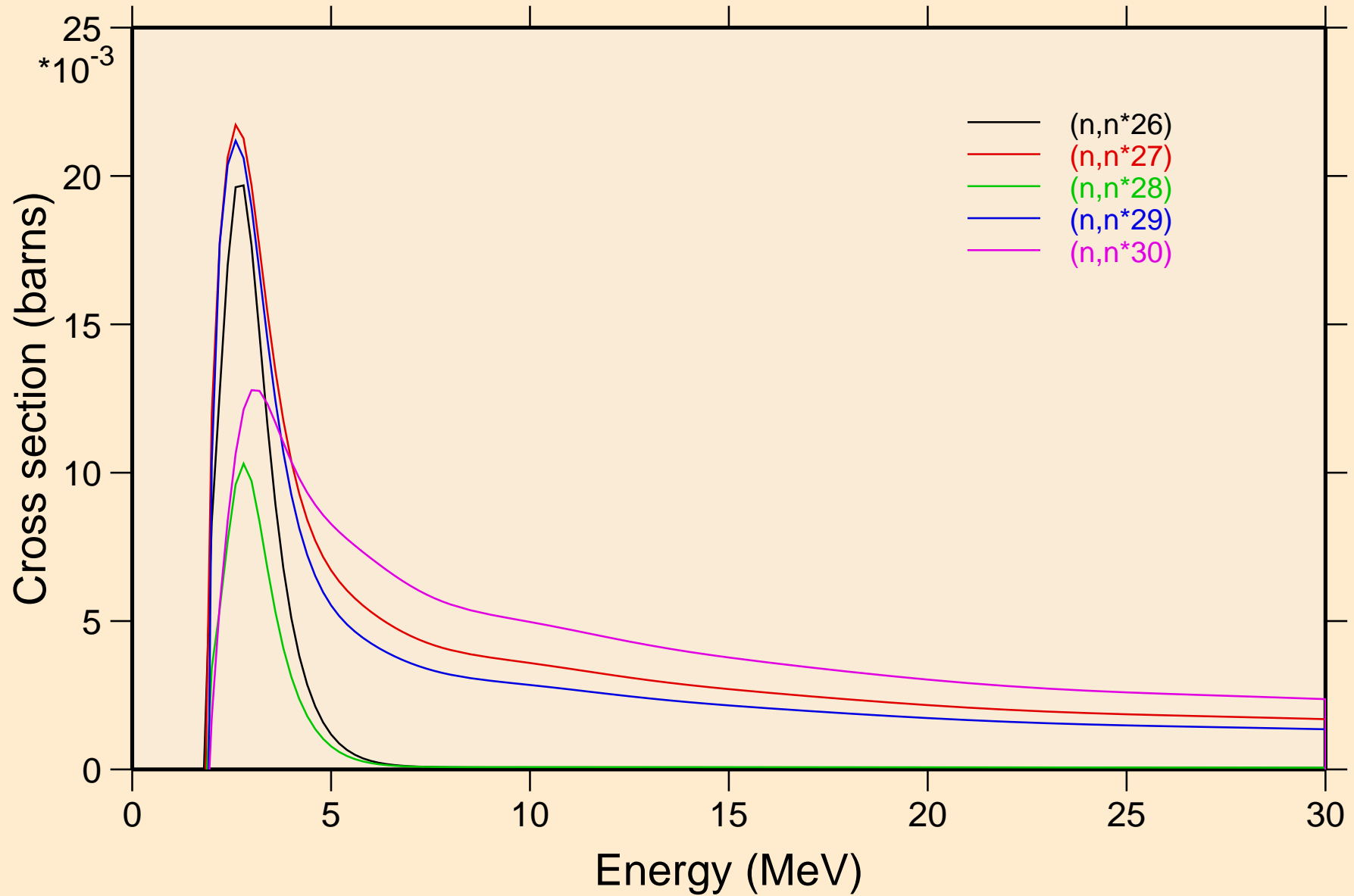
# PR139 NRG TENDL-2015, AKONING

## Inelastic levels



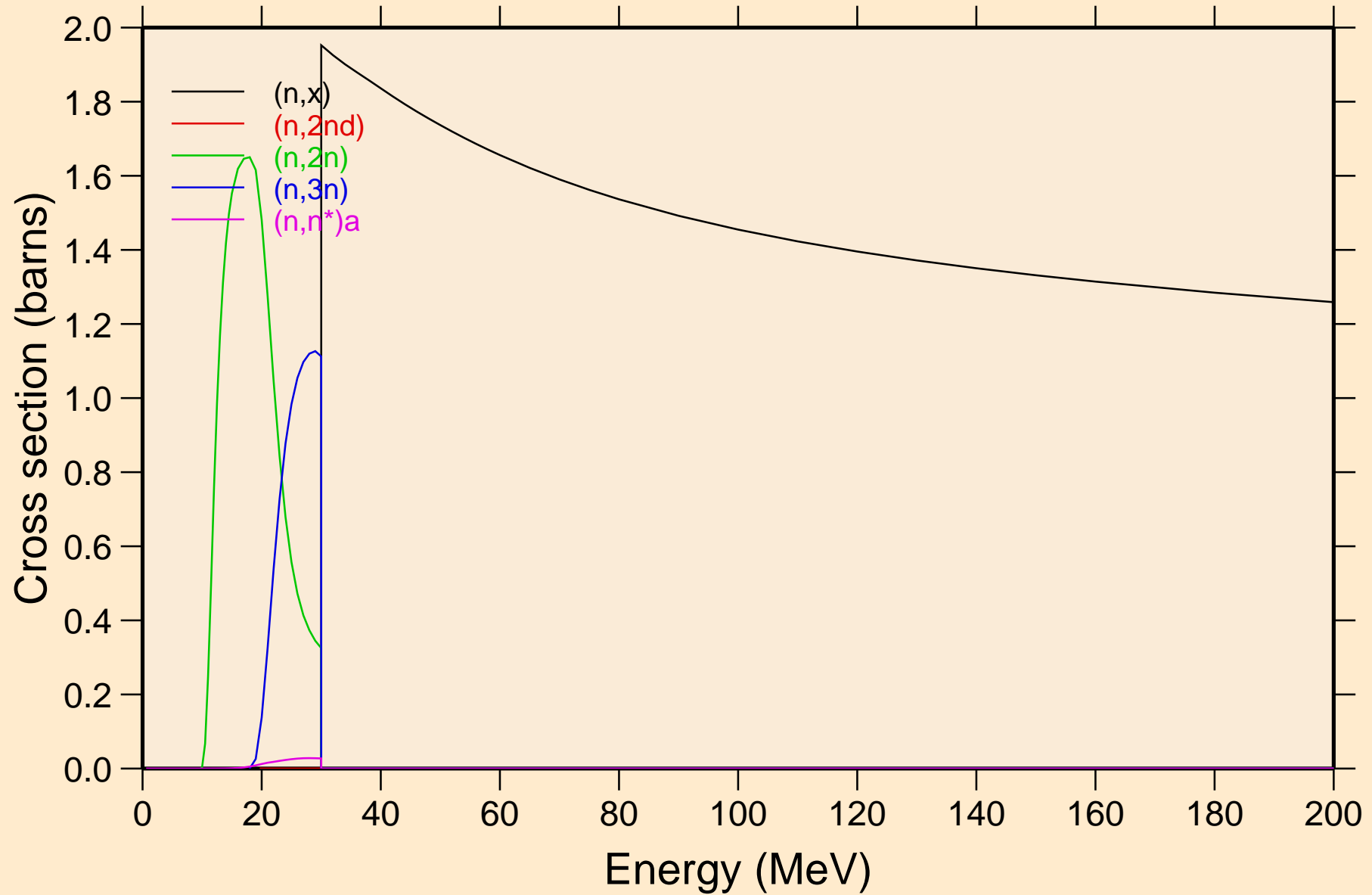
# PR139 NRG TENDL-2015, AKONING

## Inelastic levels



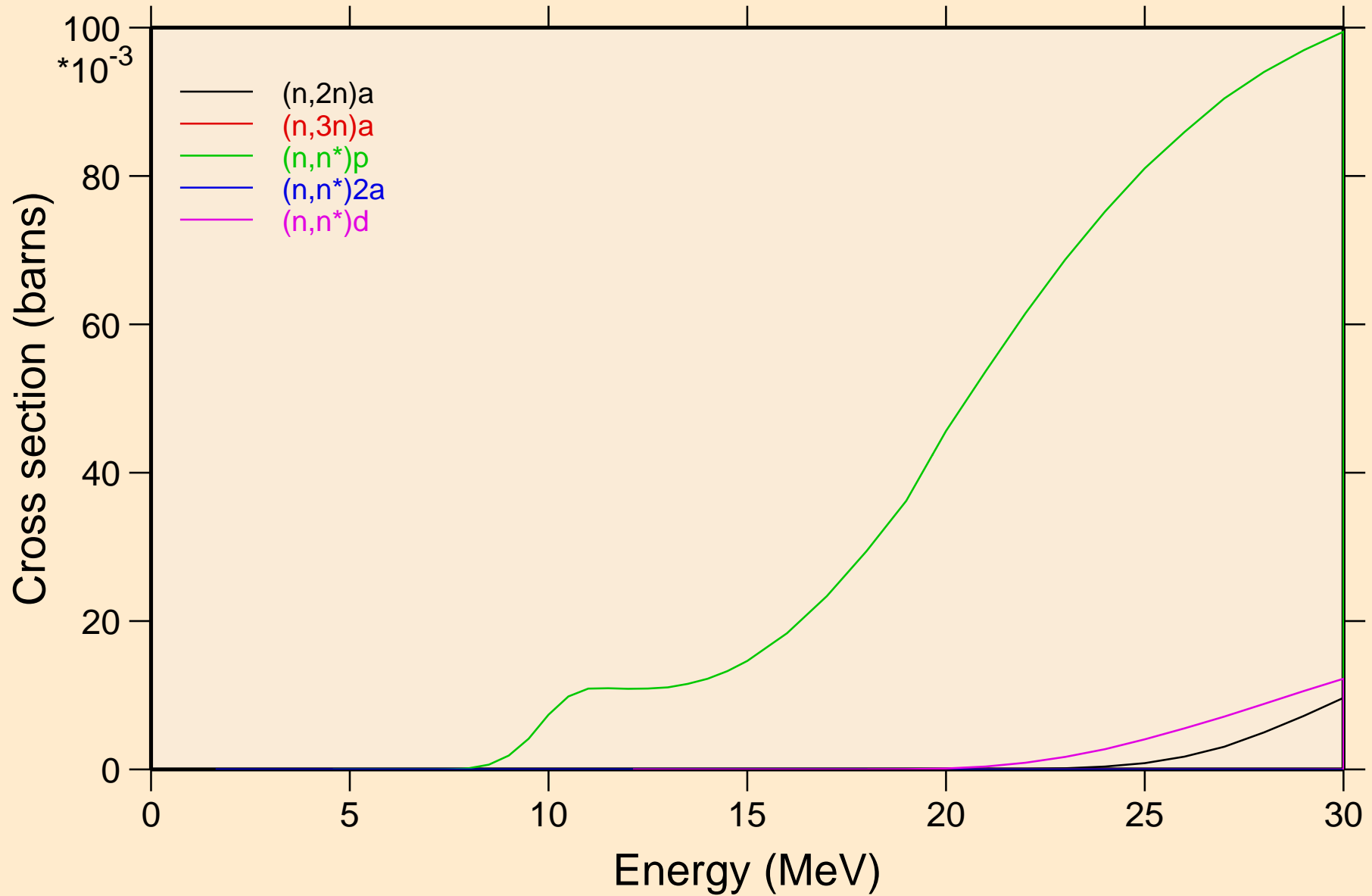
# PR139 NRG TENDL-2015, AKONING

## Threshold reactions



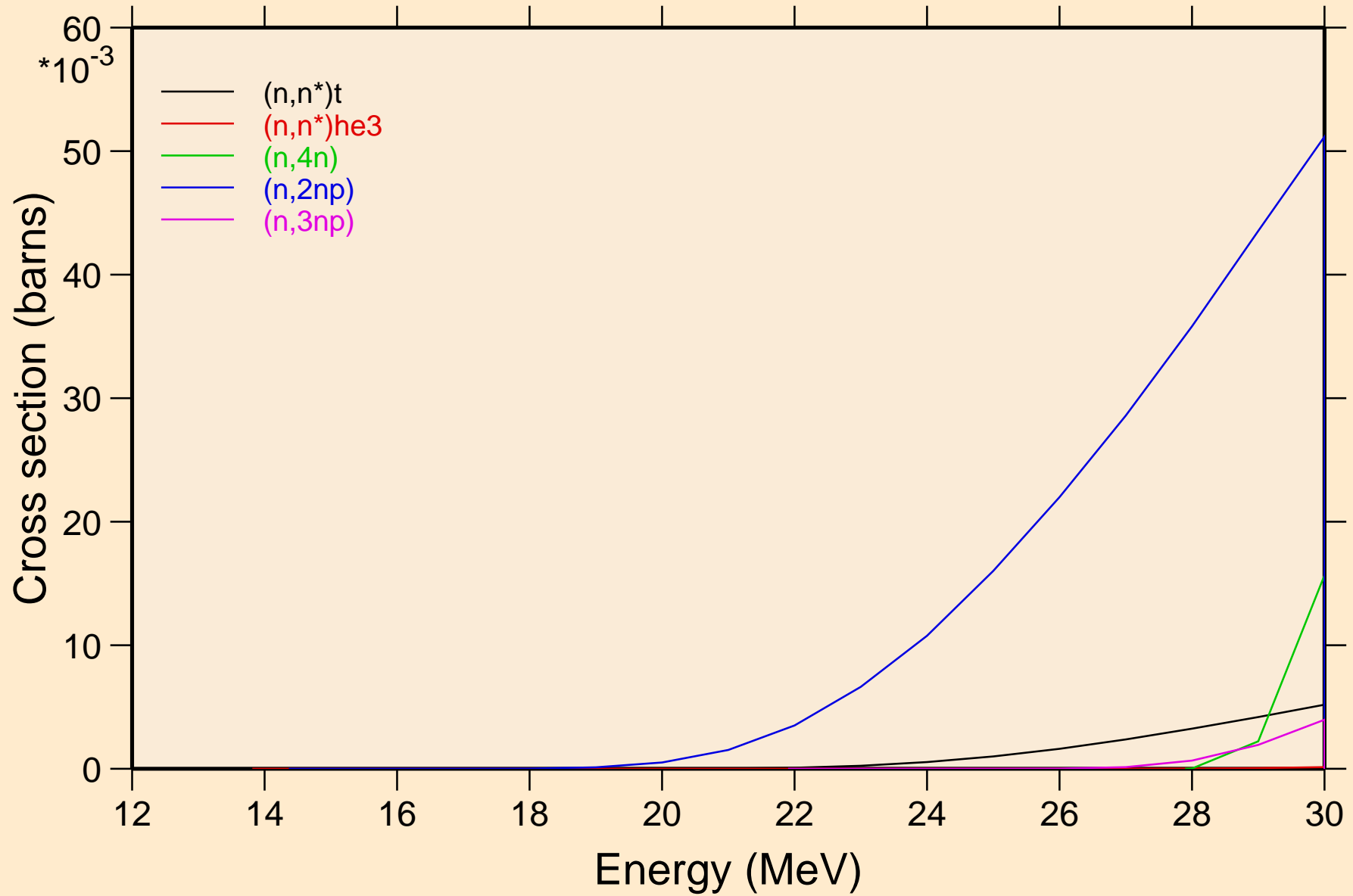
# PR139 NRG TENDL-2015, AKONING

## Threshold reactions



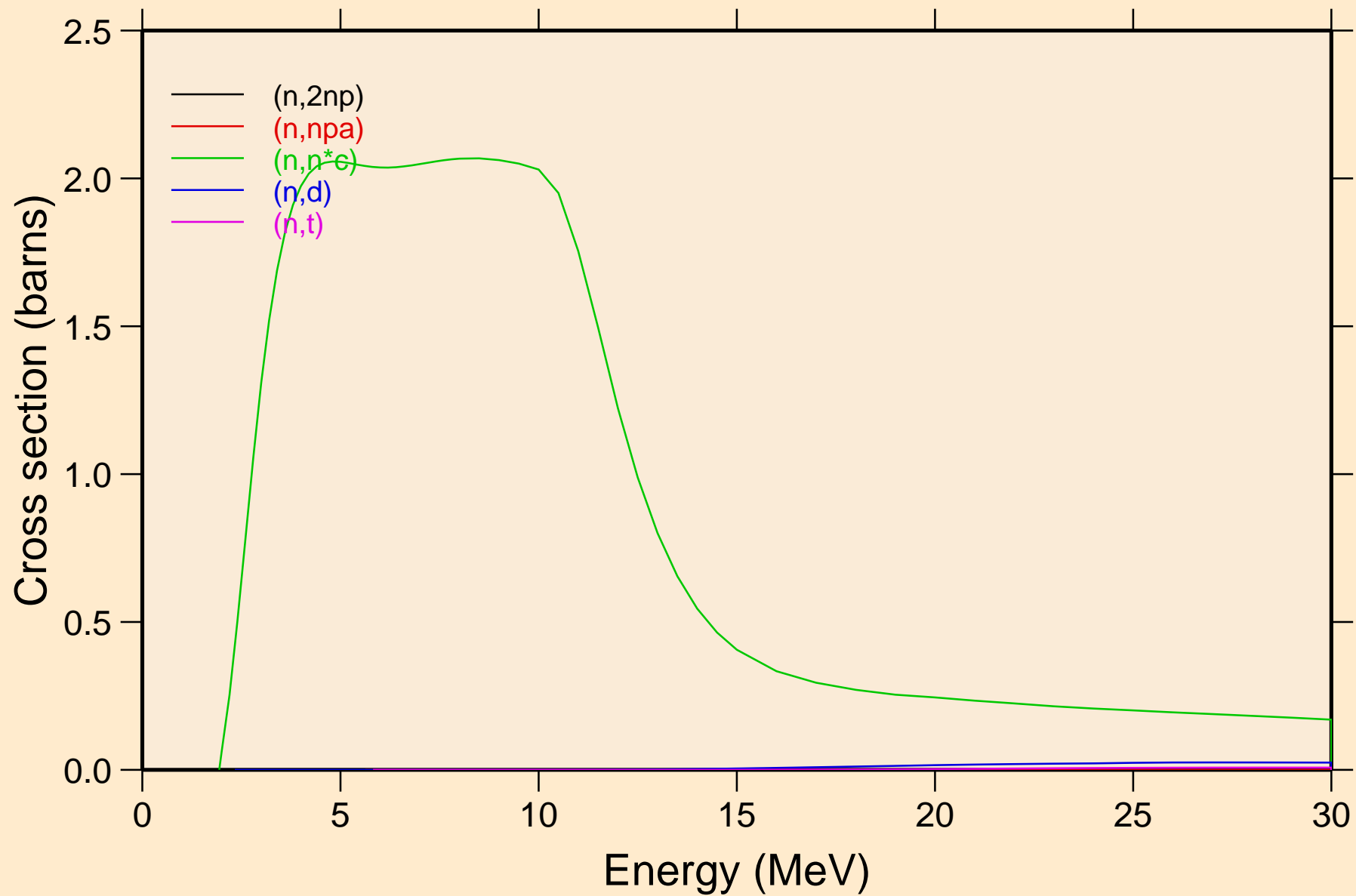
# PR139 NRG TENDL-2015, AKONING

## Threshold reactions



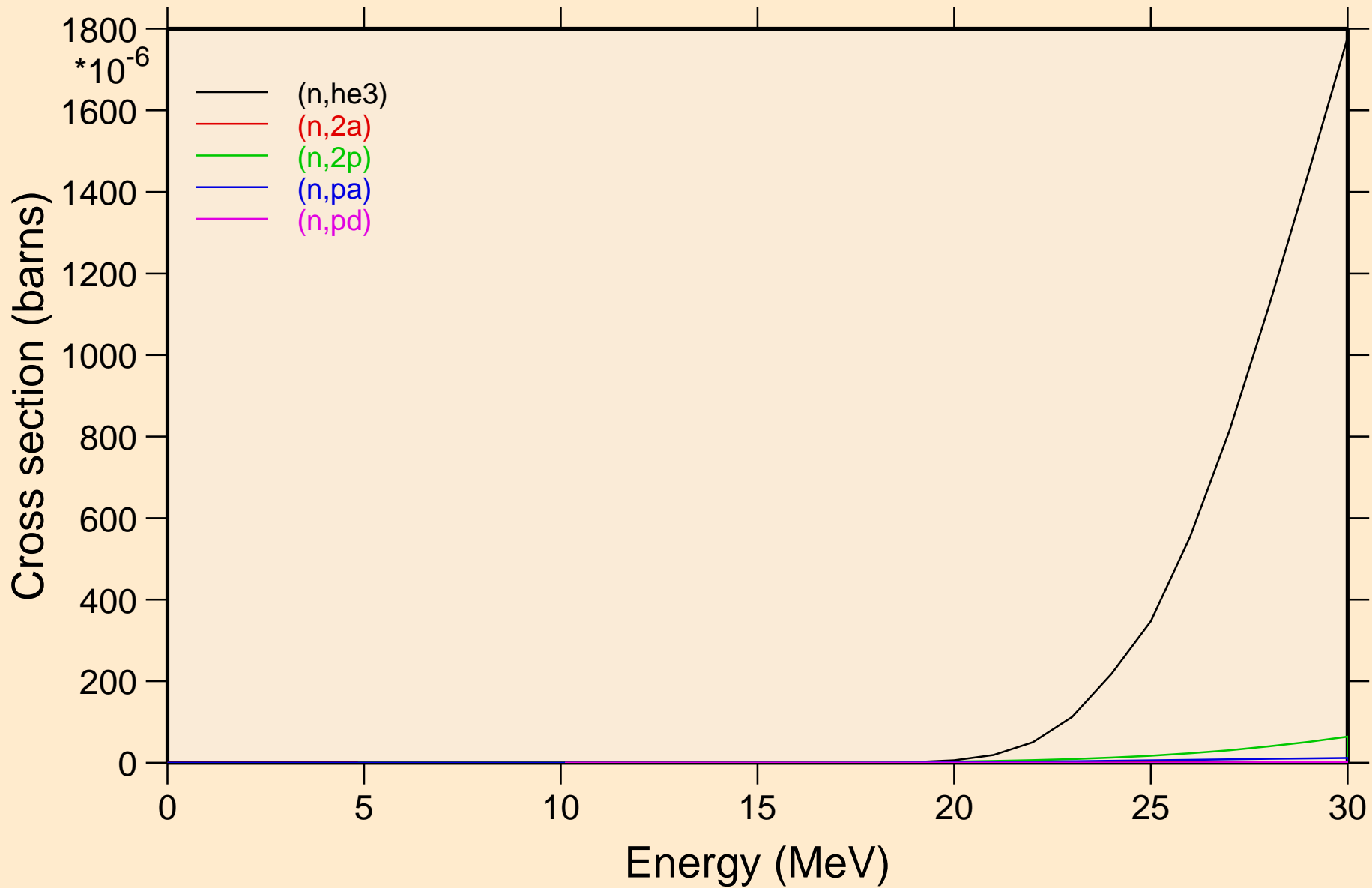
# PR139 NRG TENDL-2015, AKONING

## Threshold reactions



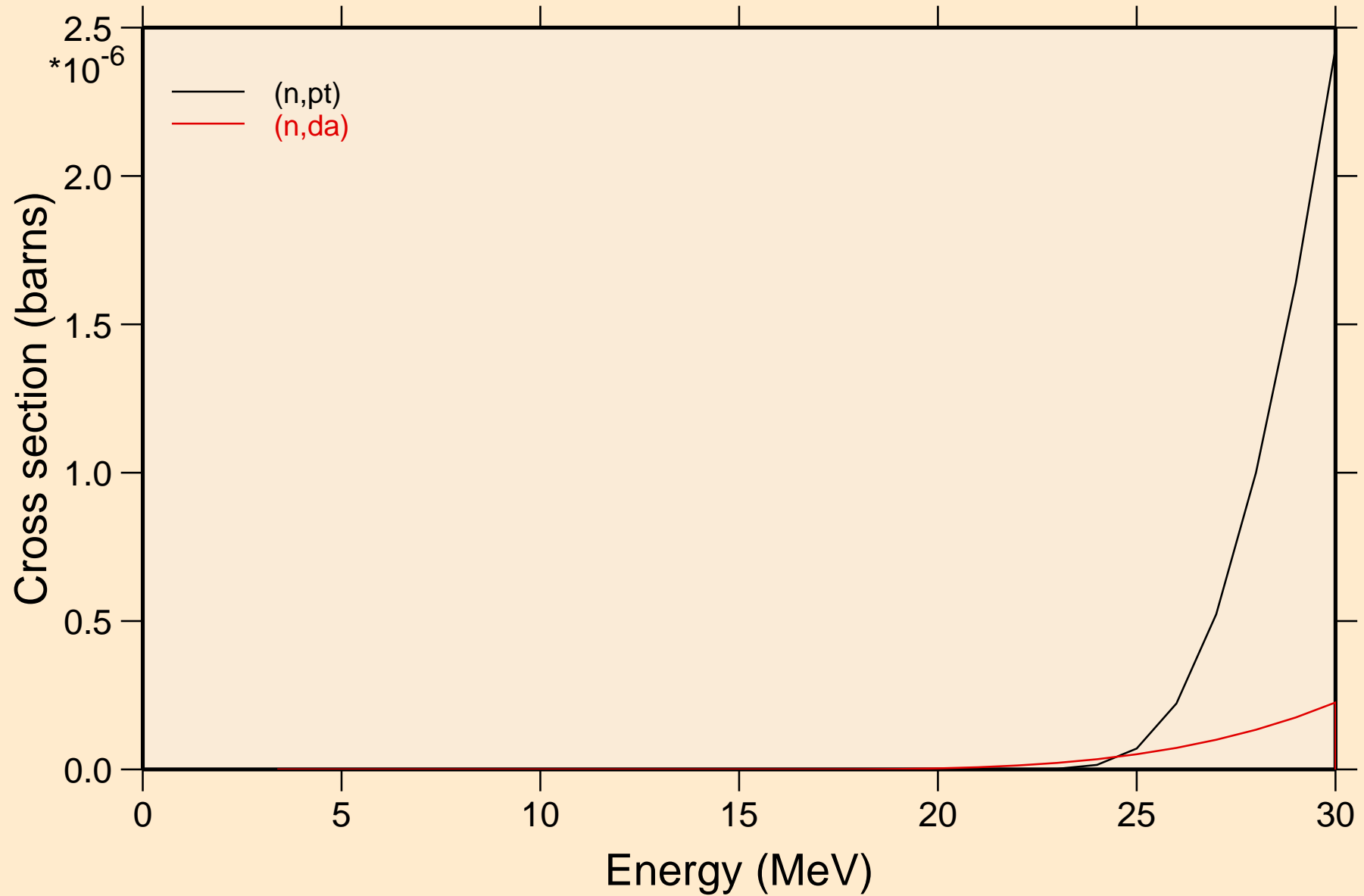
# PR139 NRG TENDL-2015, AKONING

## Threshold reactions



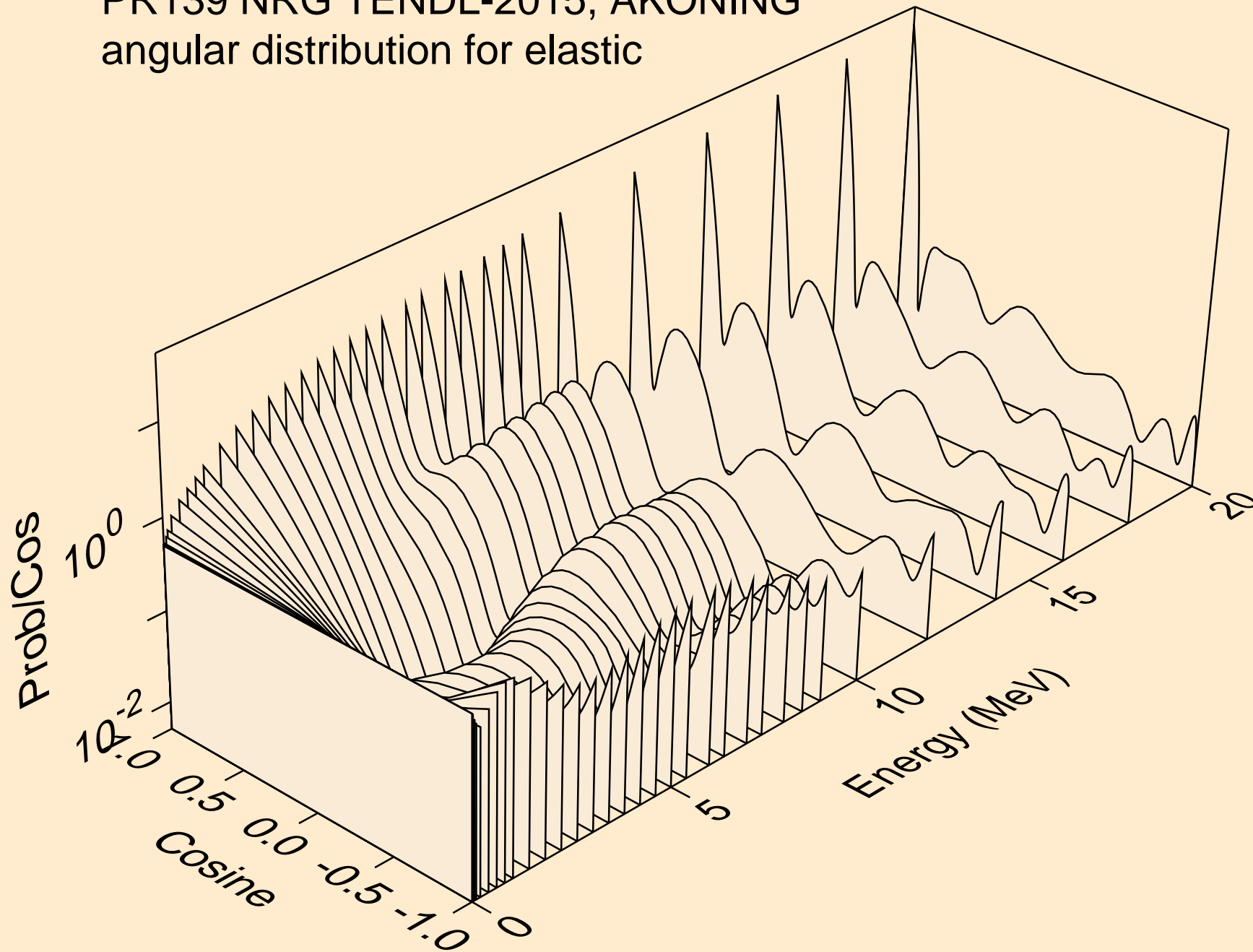
# PR139 NRG TENDL-2015, AKONING

## Threshold reactions

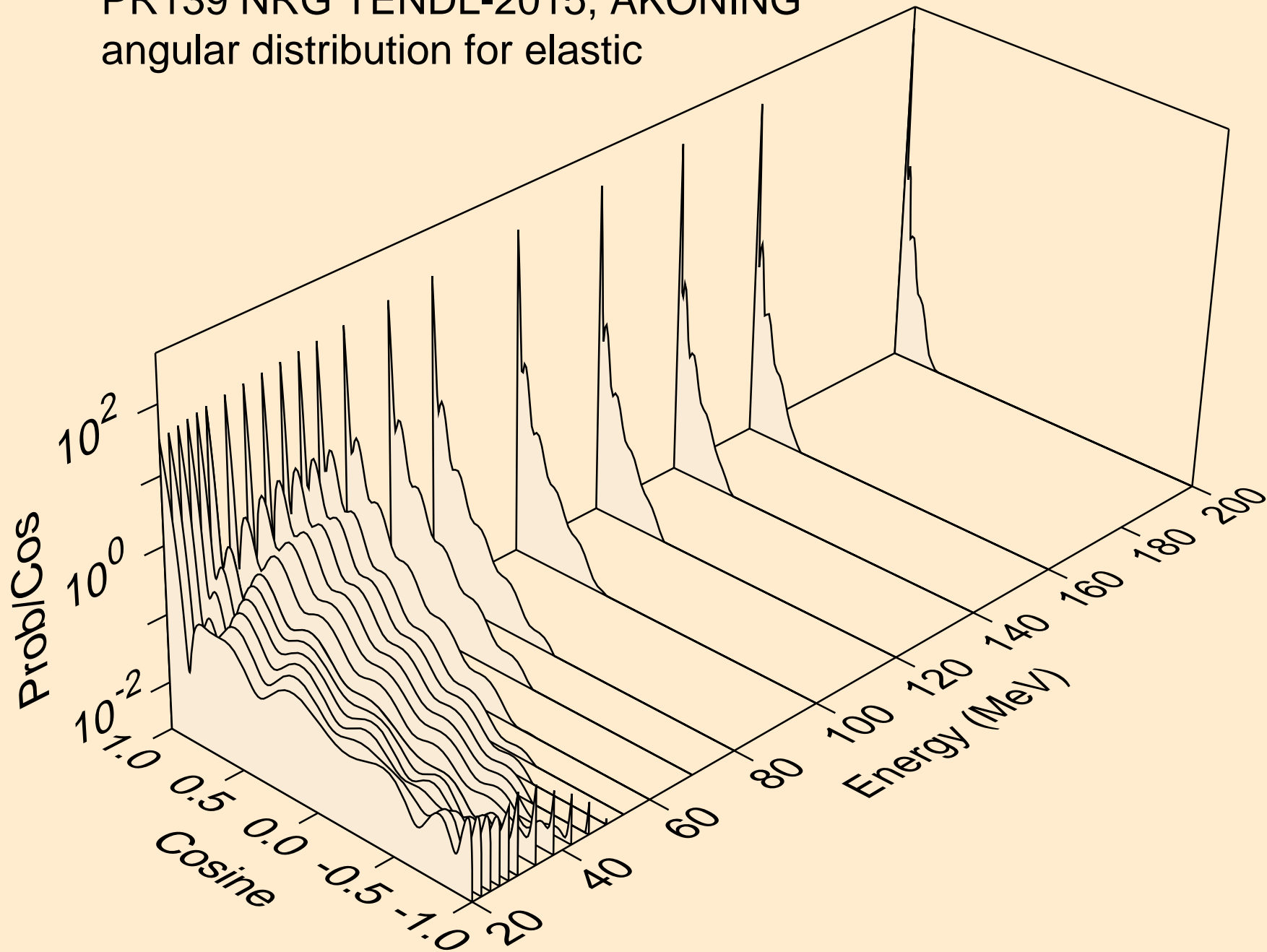




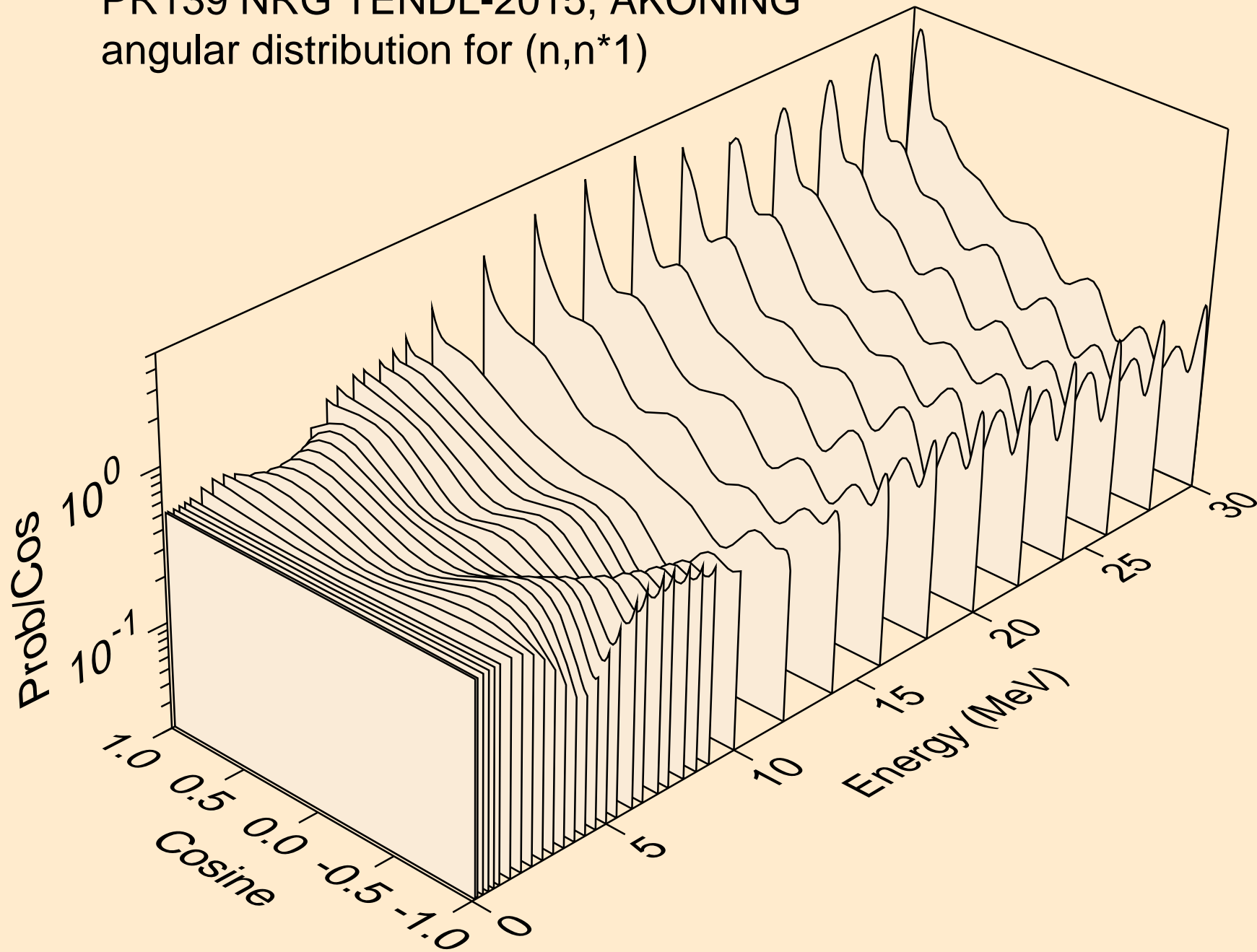
PR139 NRG TENDL-2015, AKONING  
angular distribution for elastic



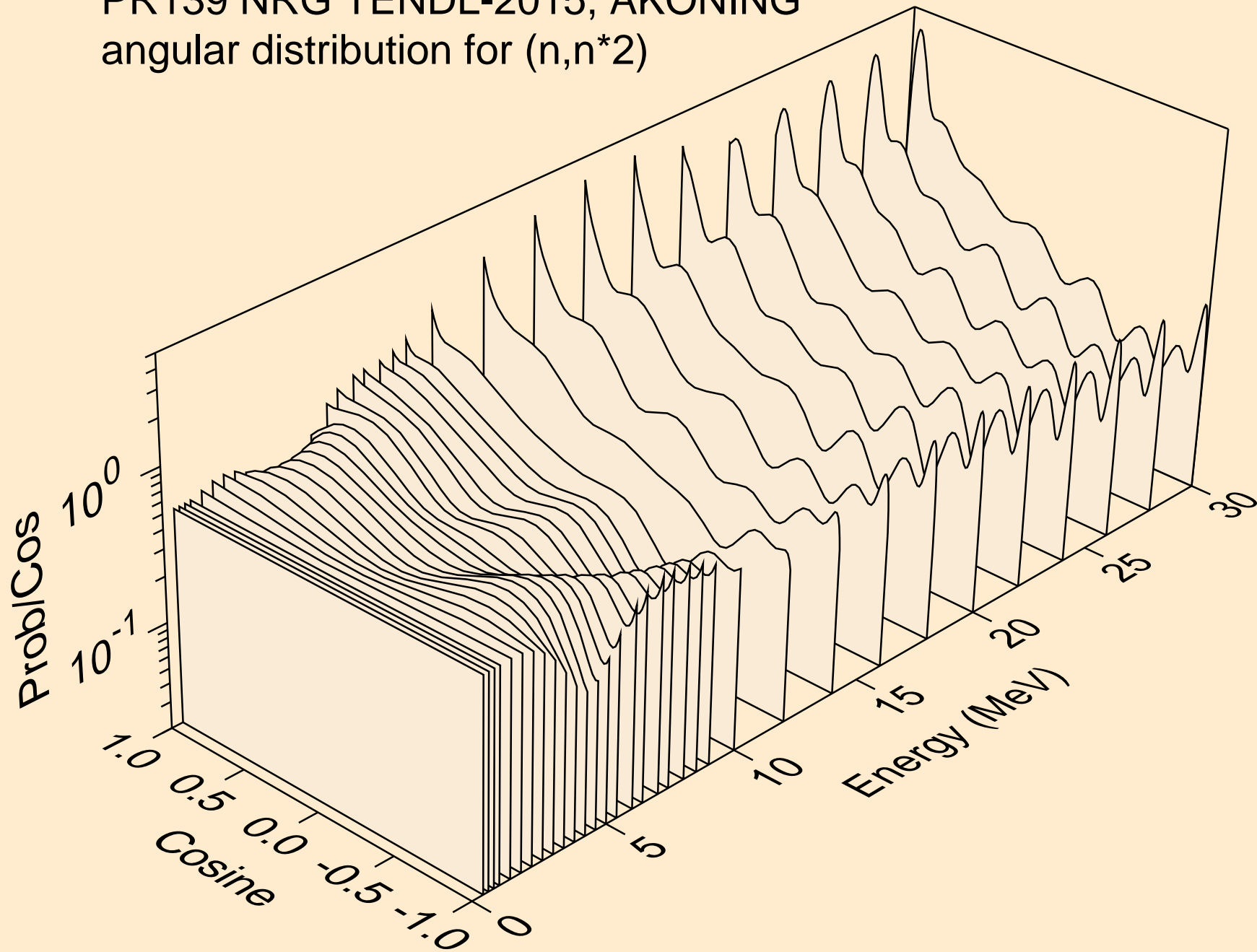
PR139 NRG TENDL-2015, AKONING  
angular distribution for elastic



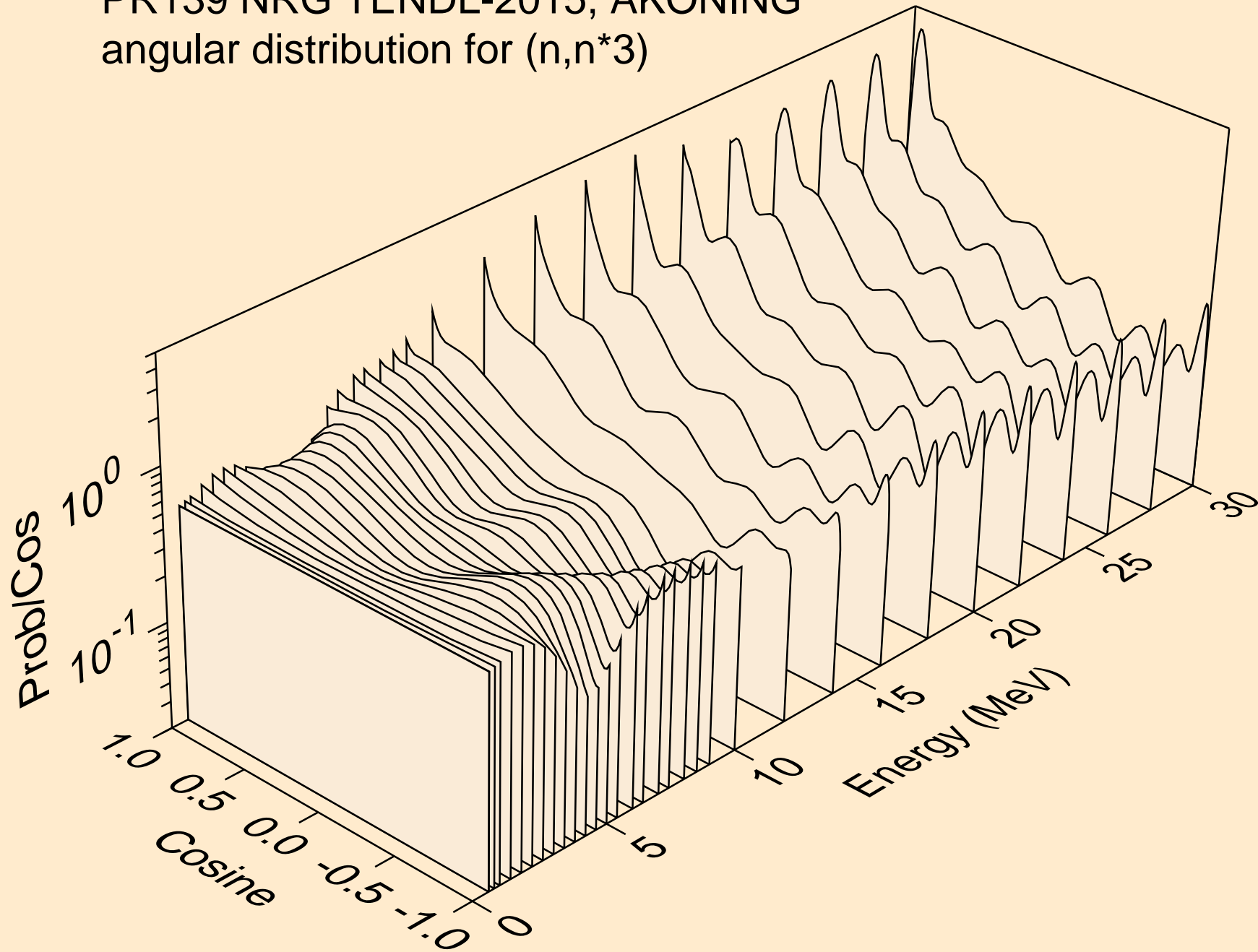
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



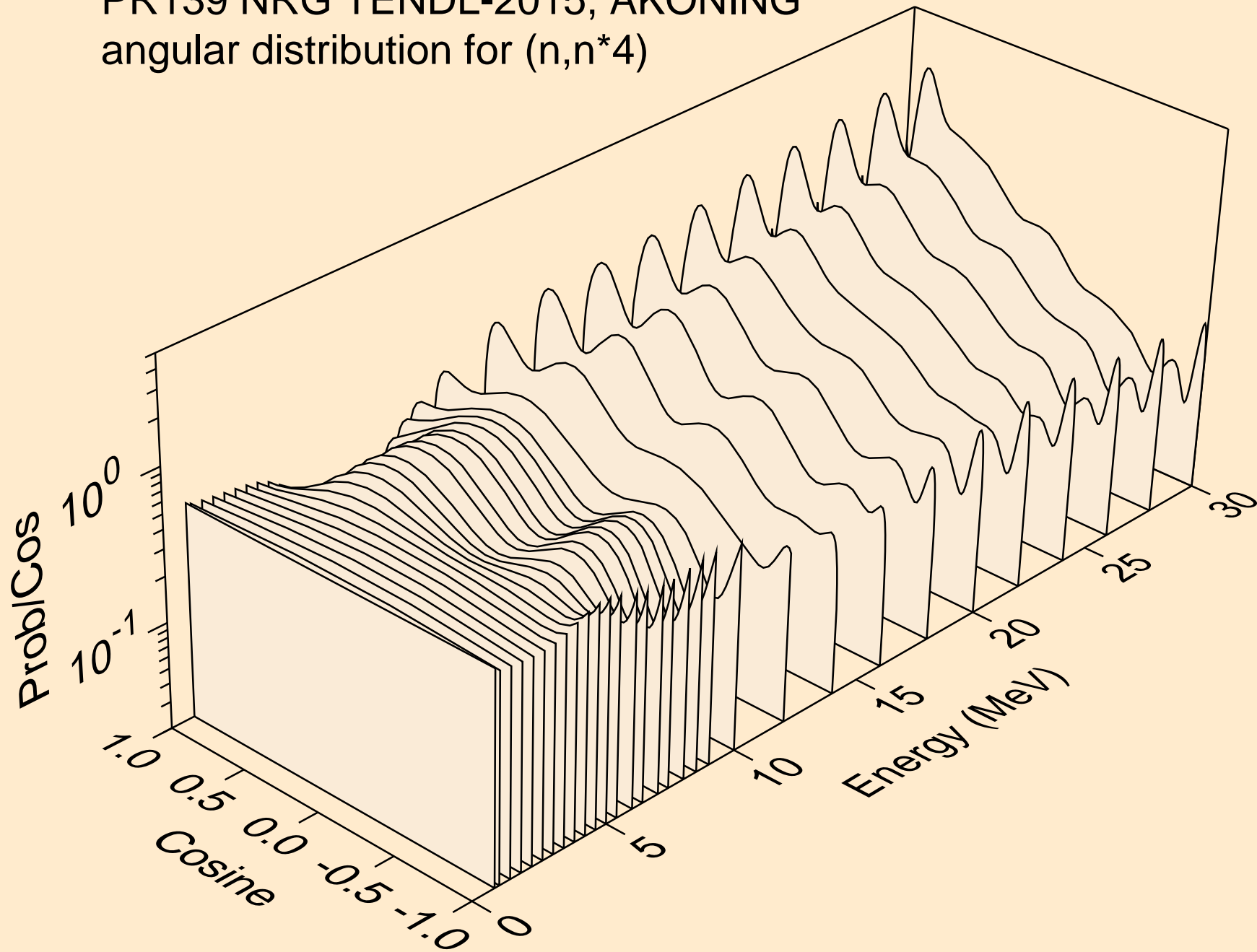
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



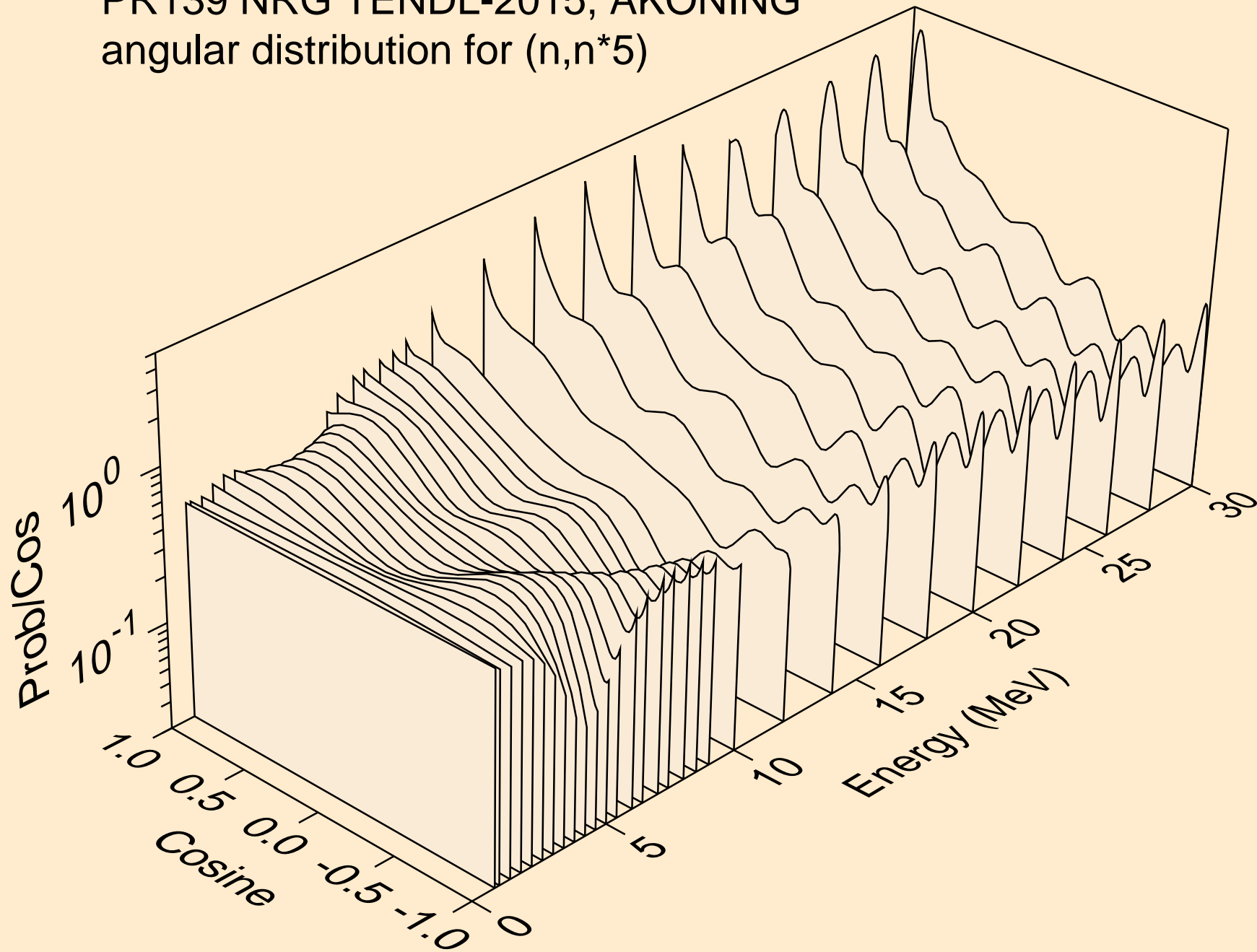
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



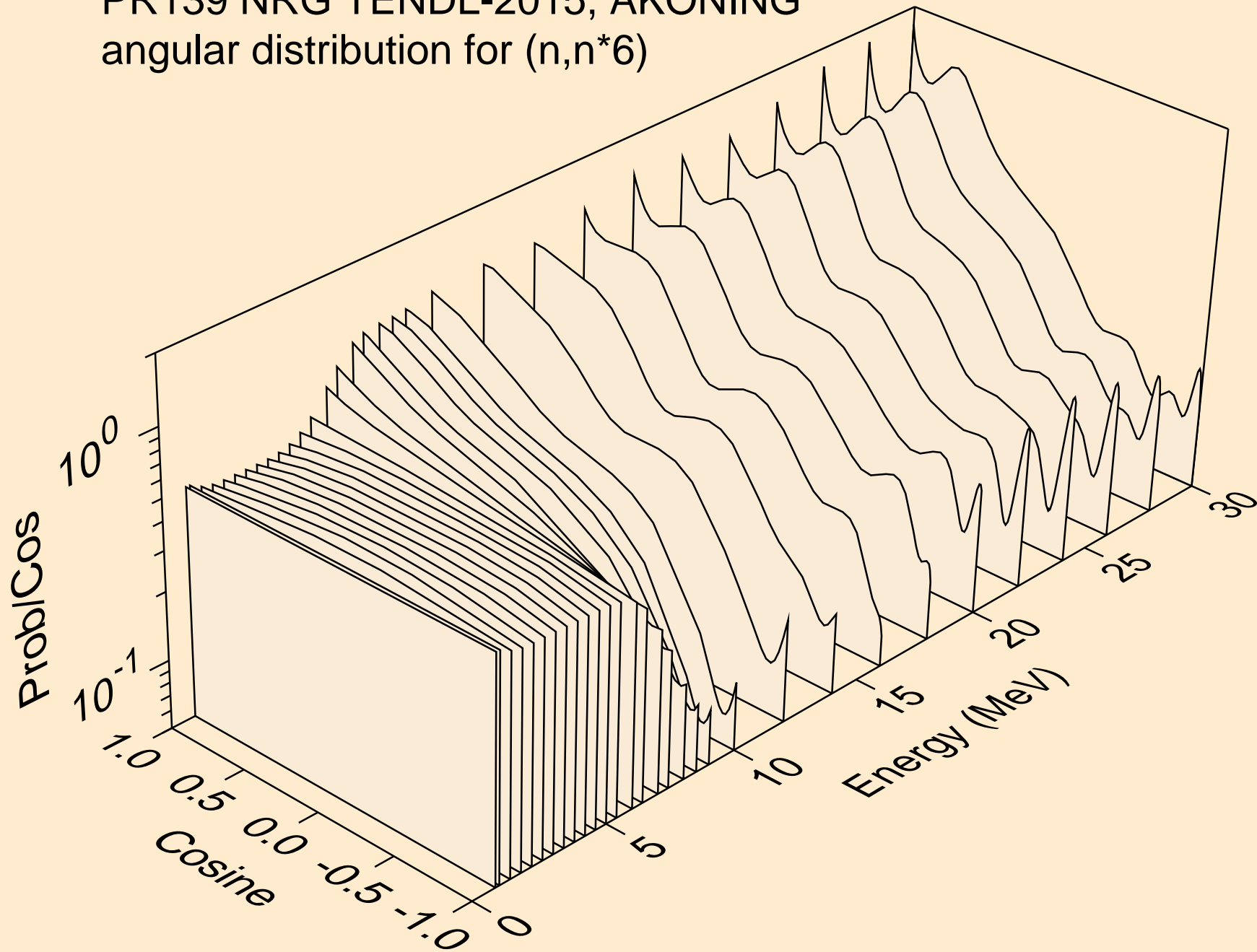
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

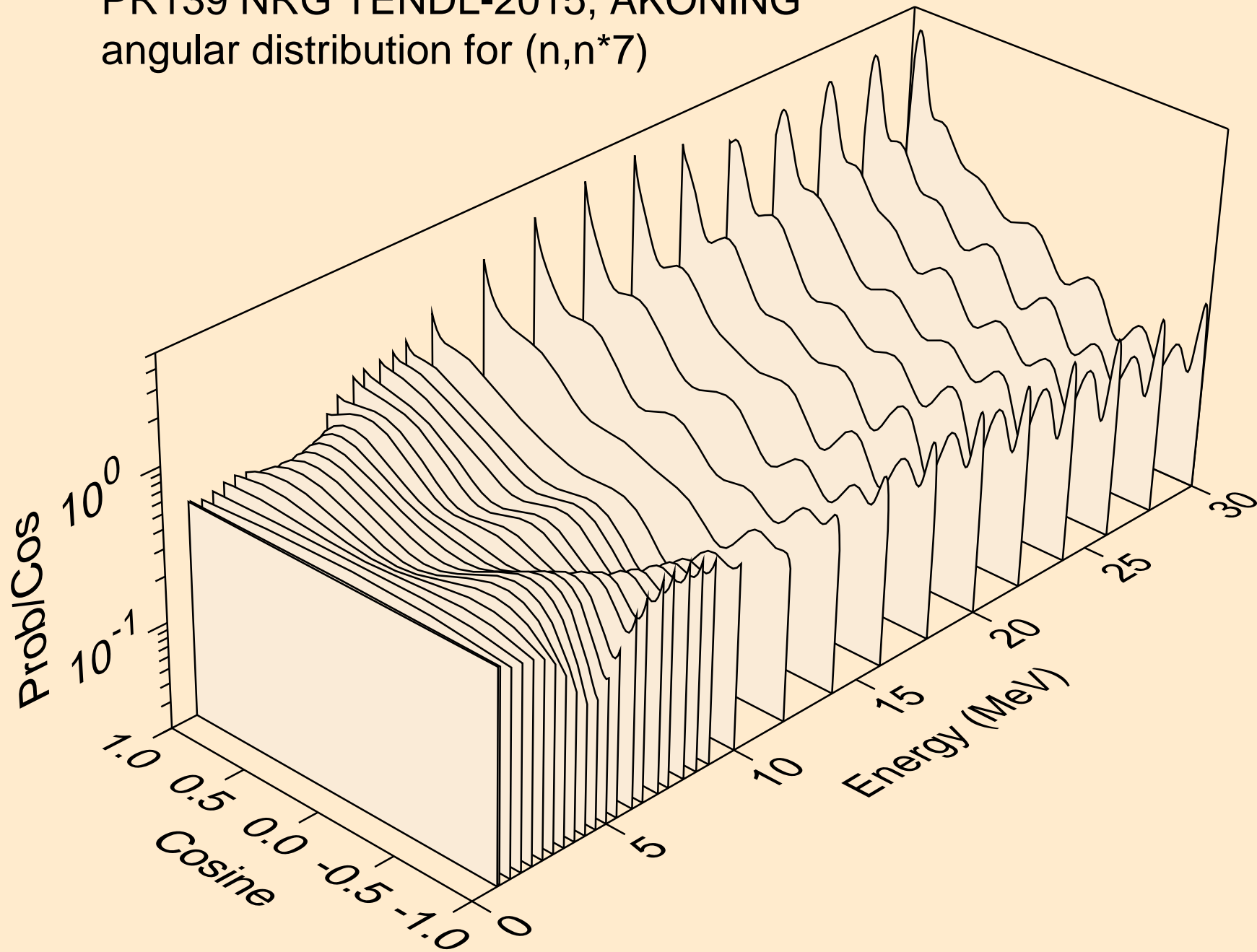


PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

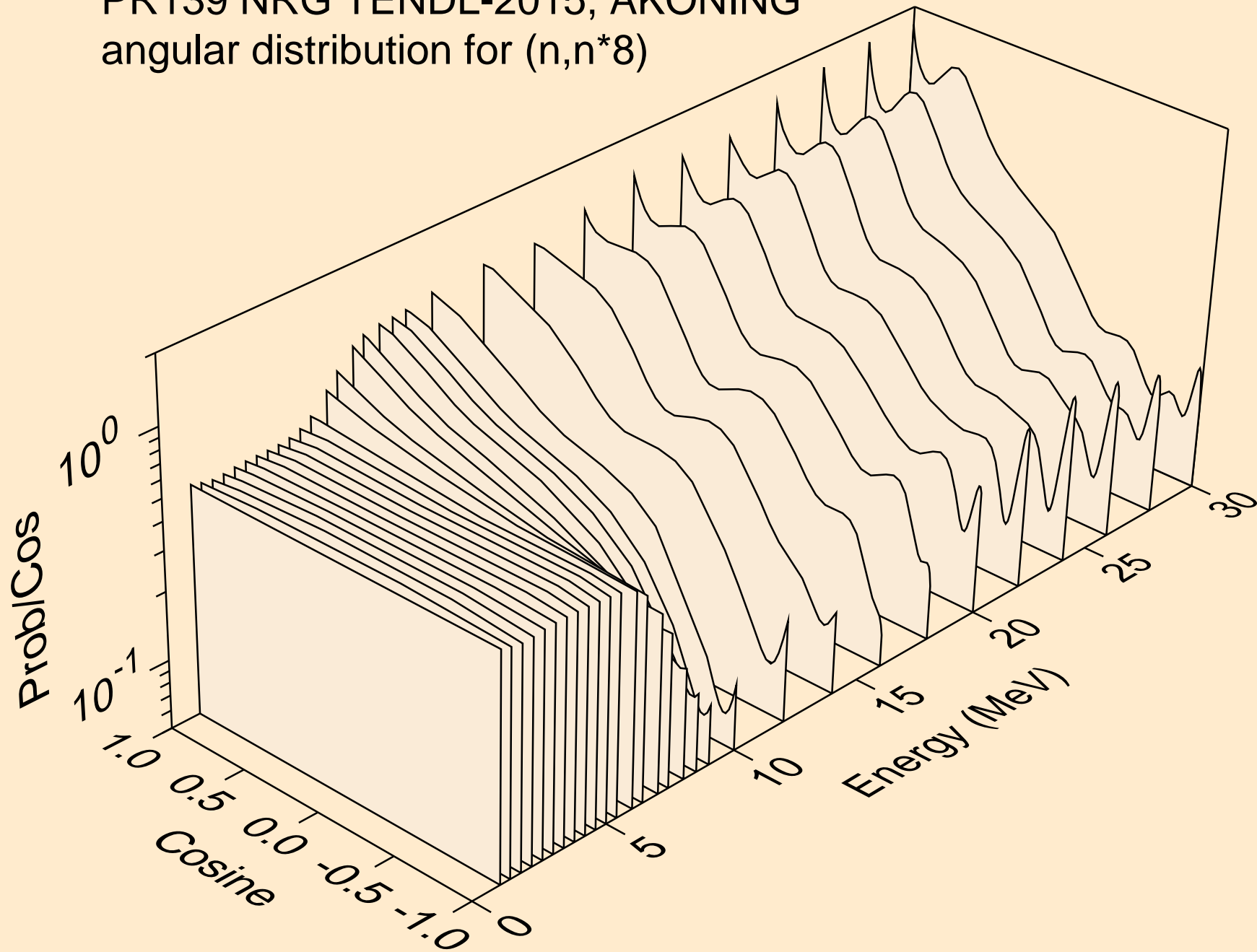




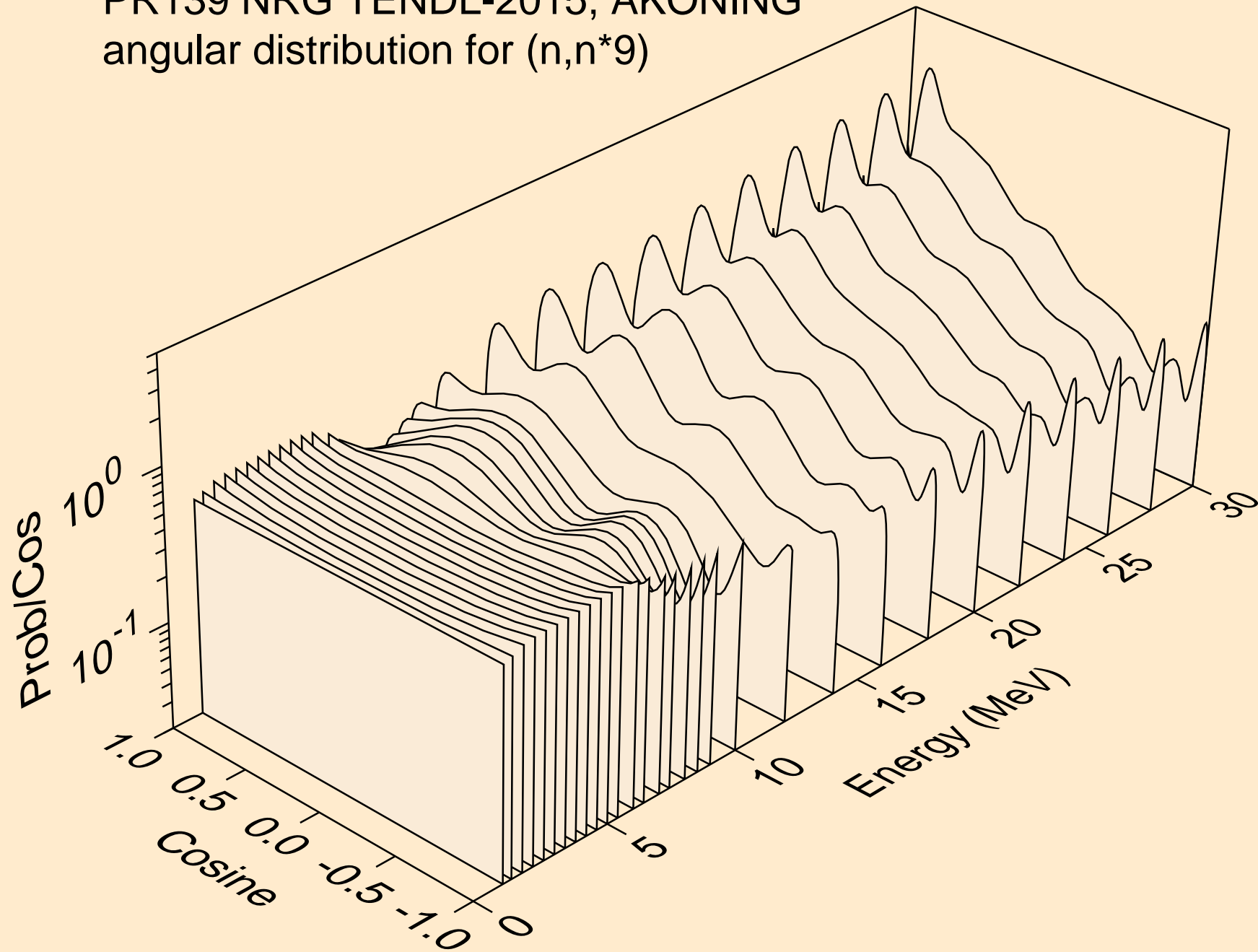
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



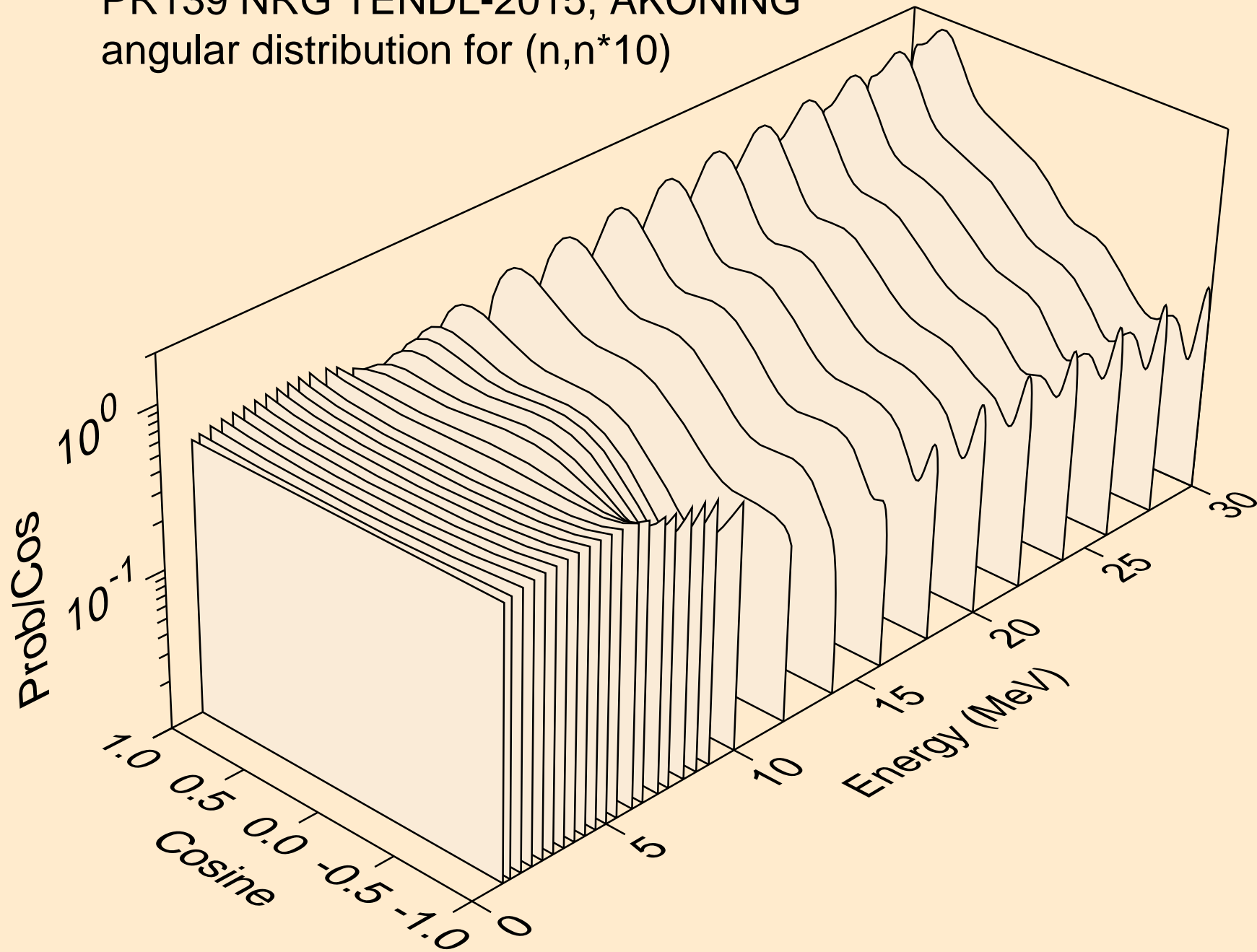
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



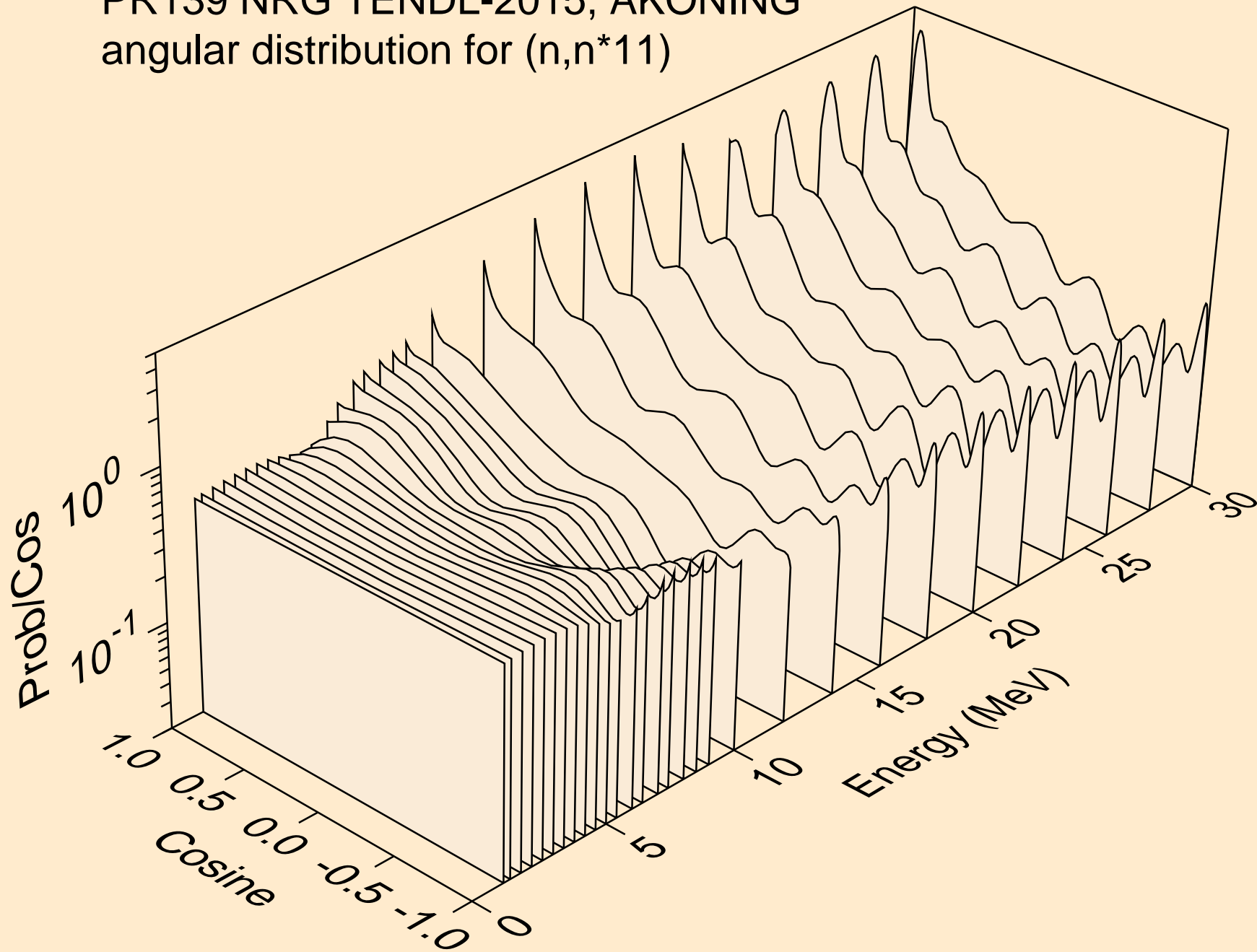
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



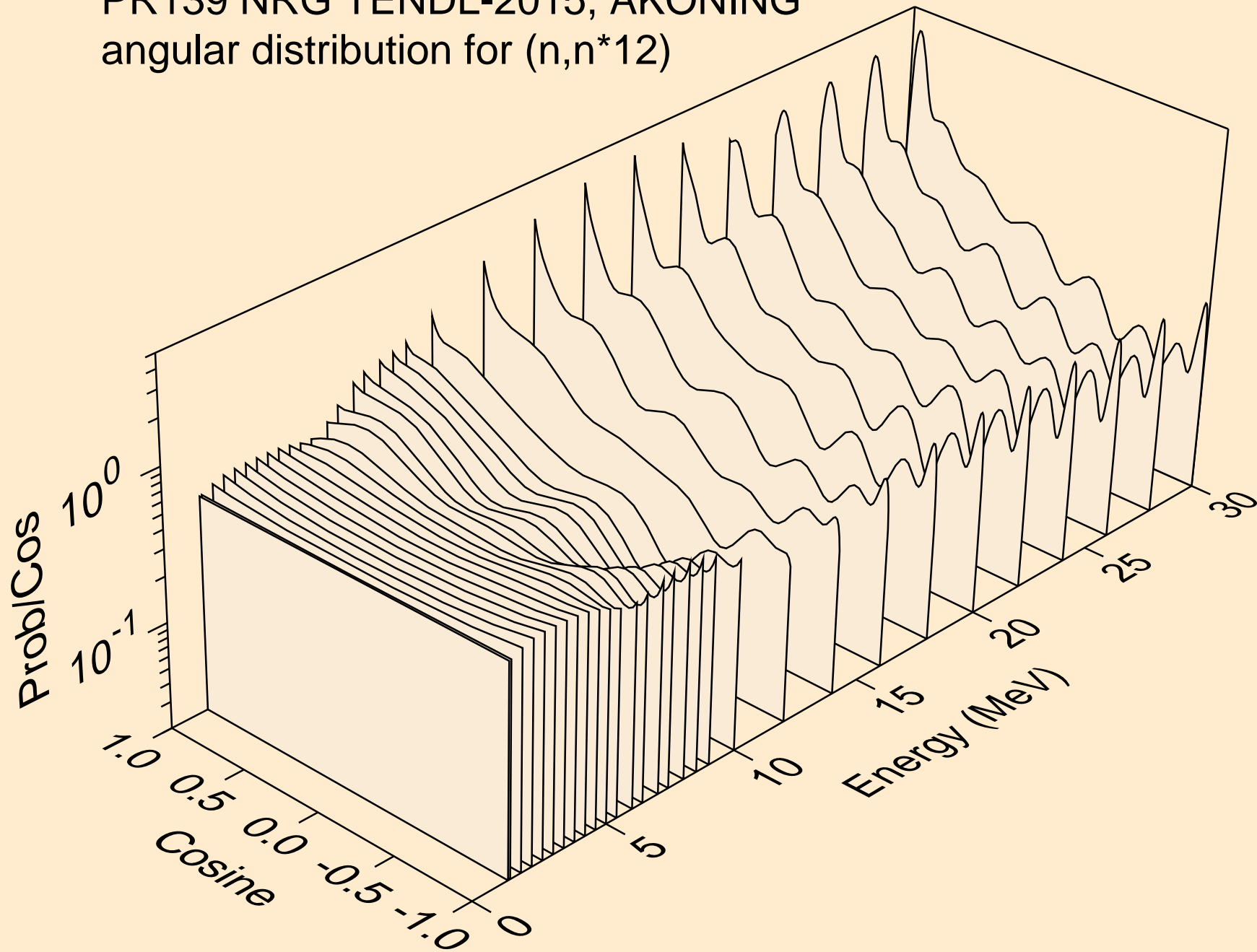
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



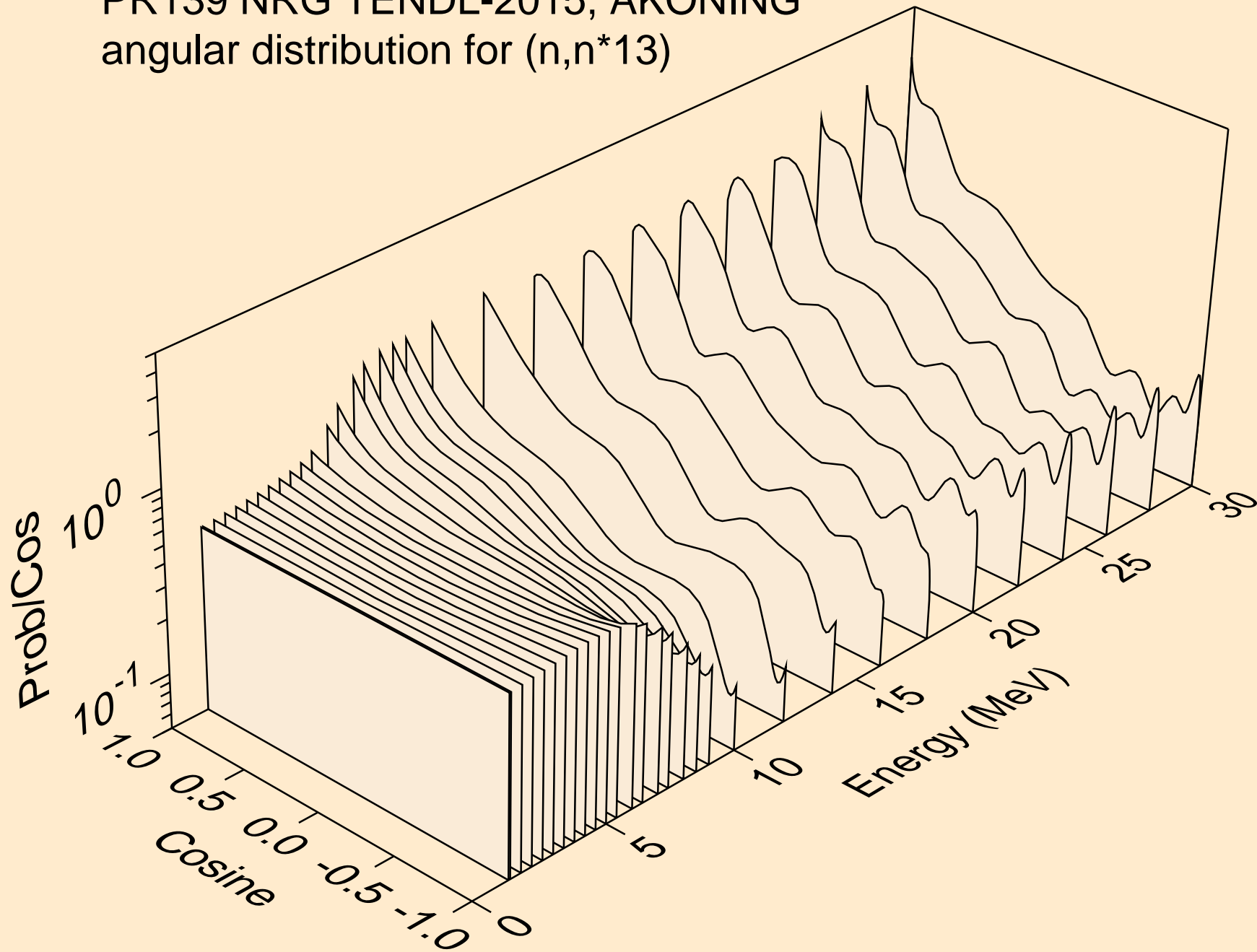
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



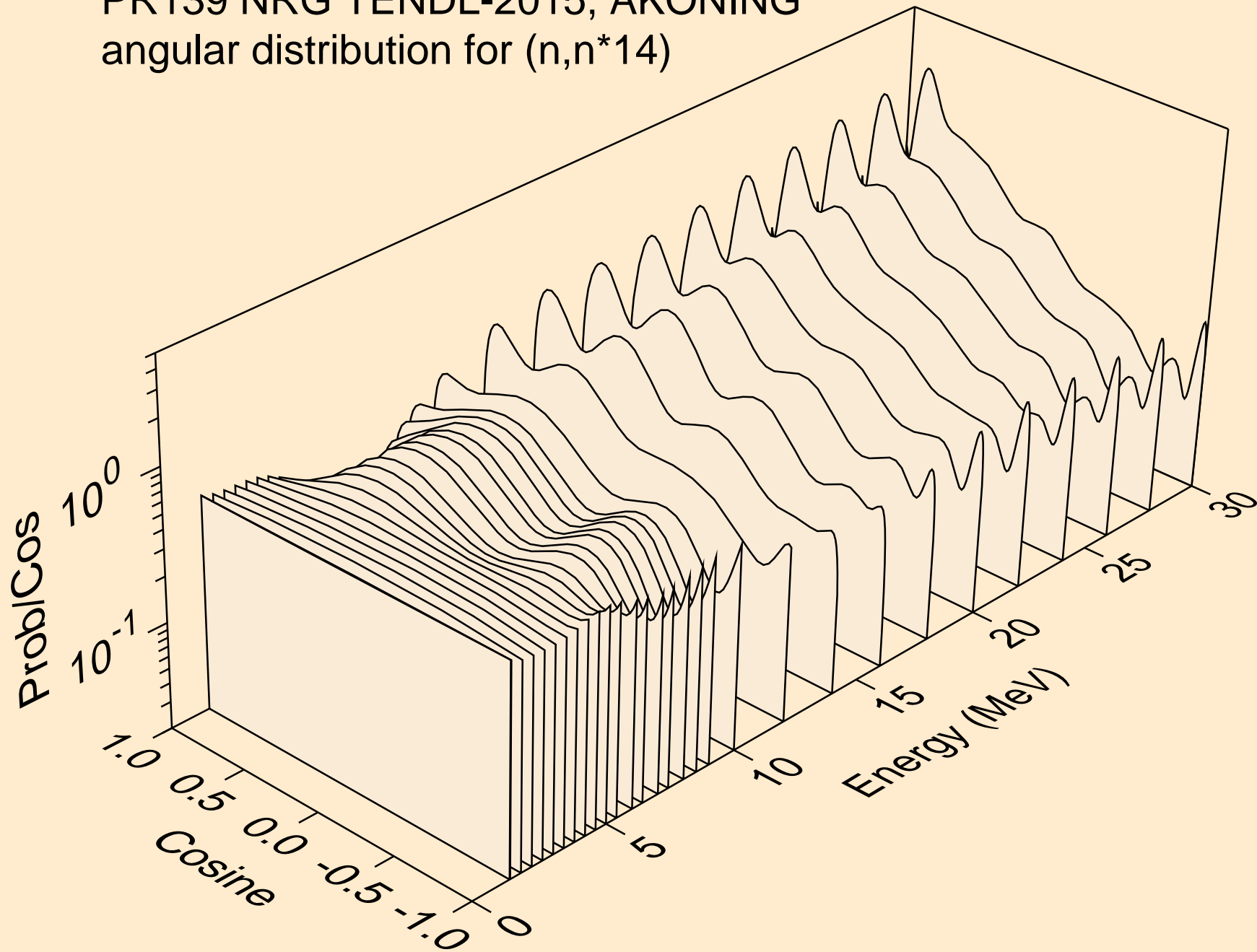
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

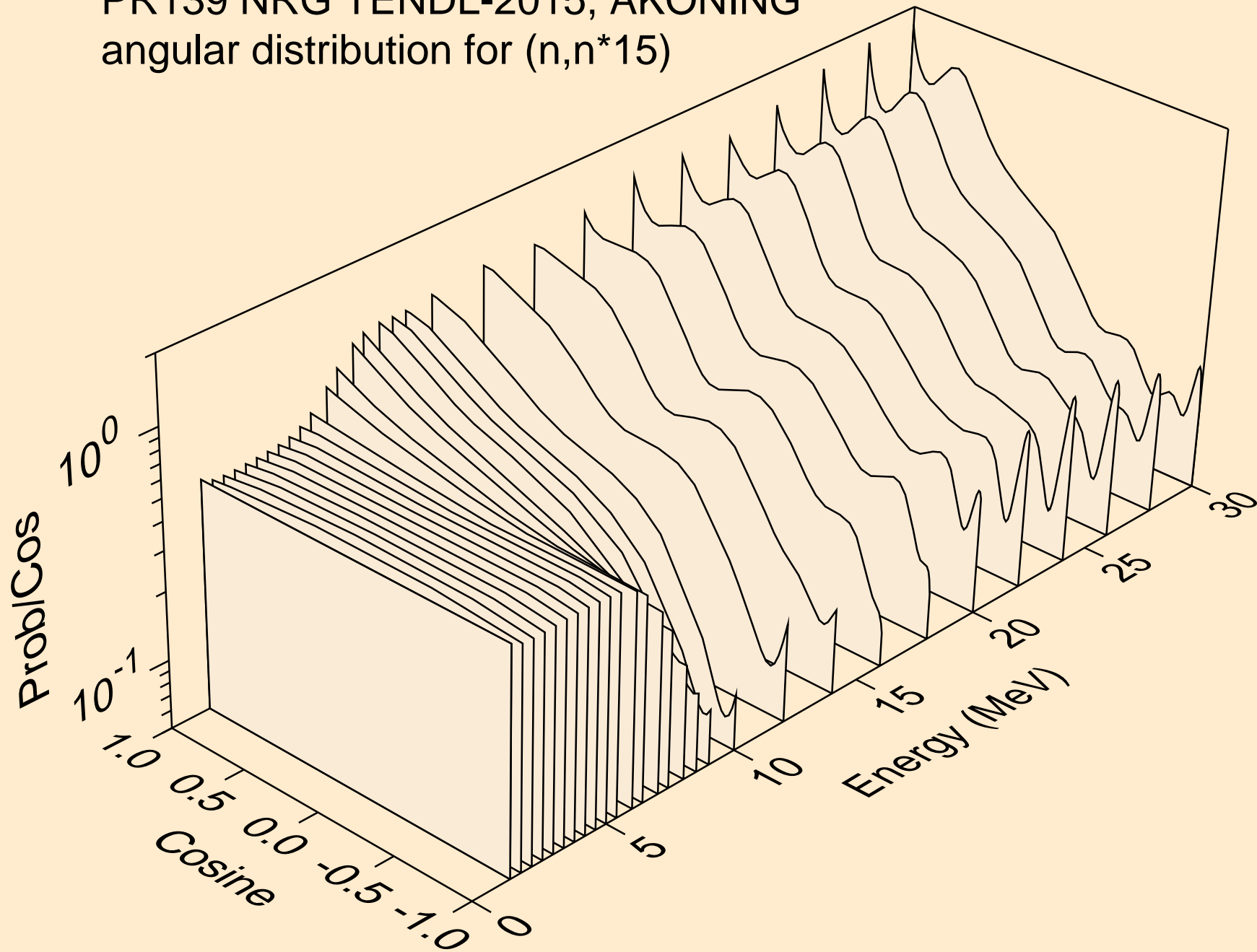


PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

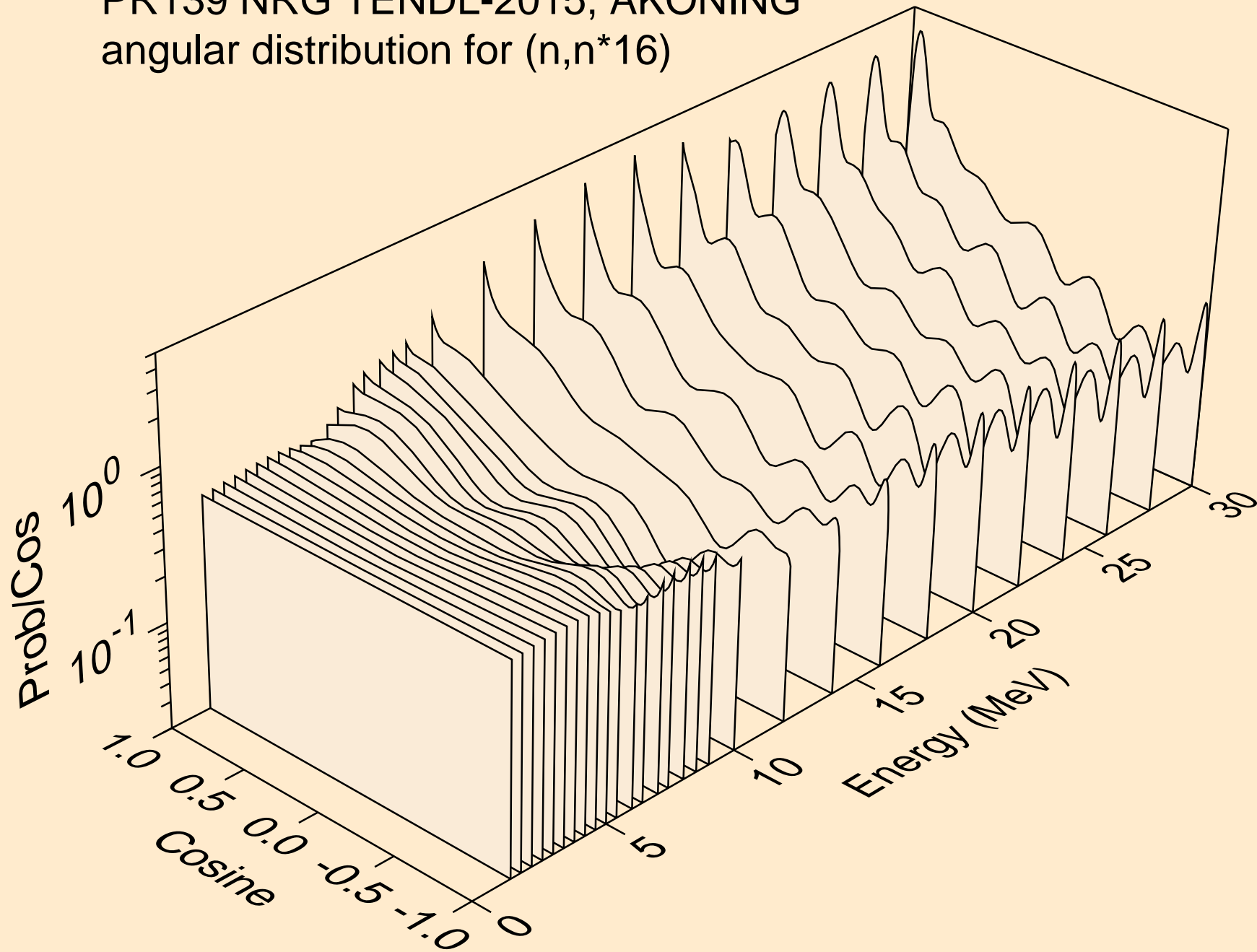




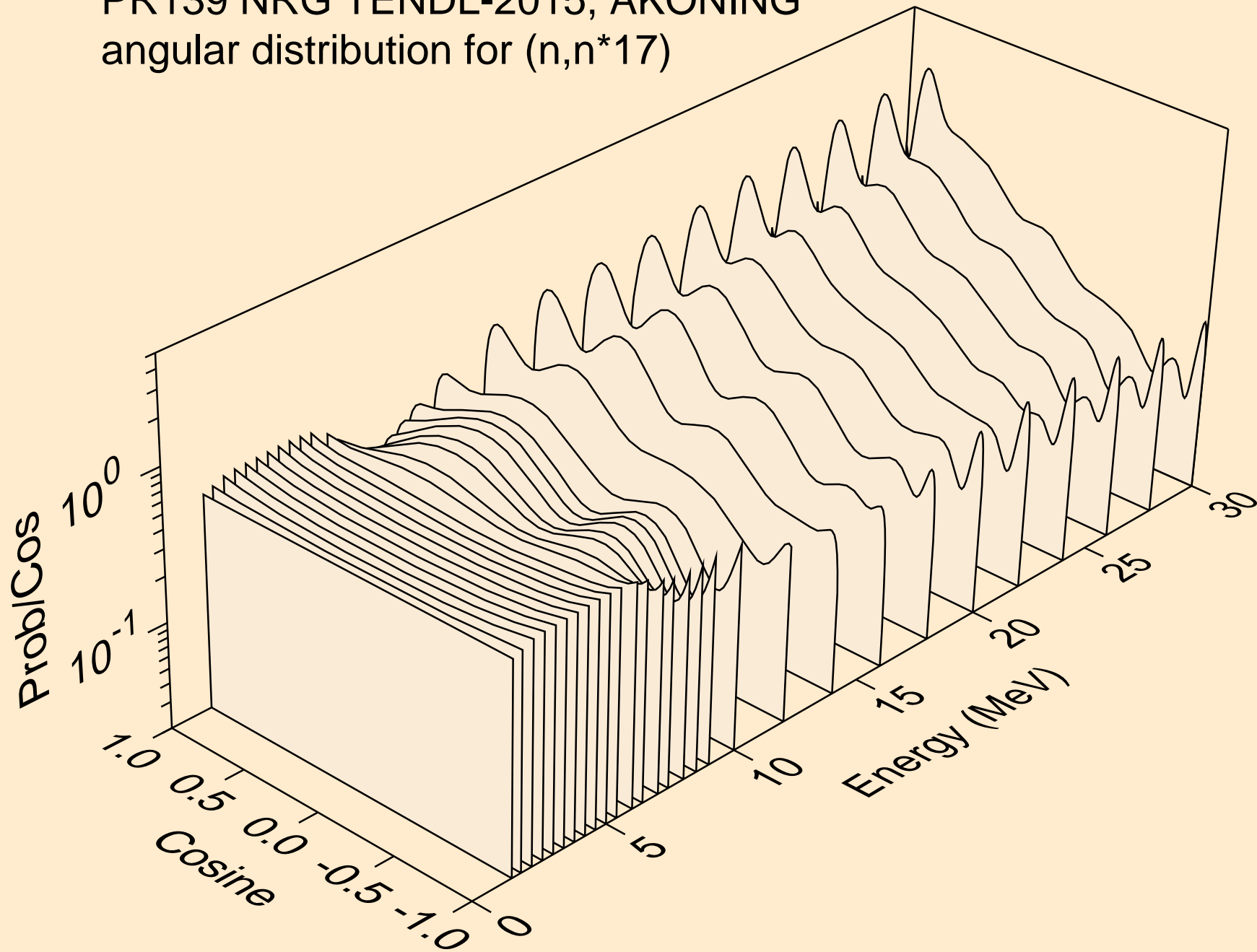
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



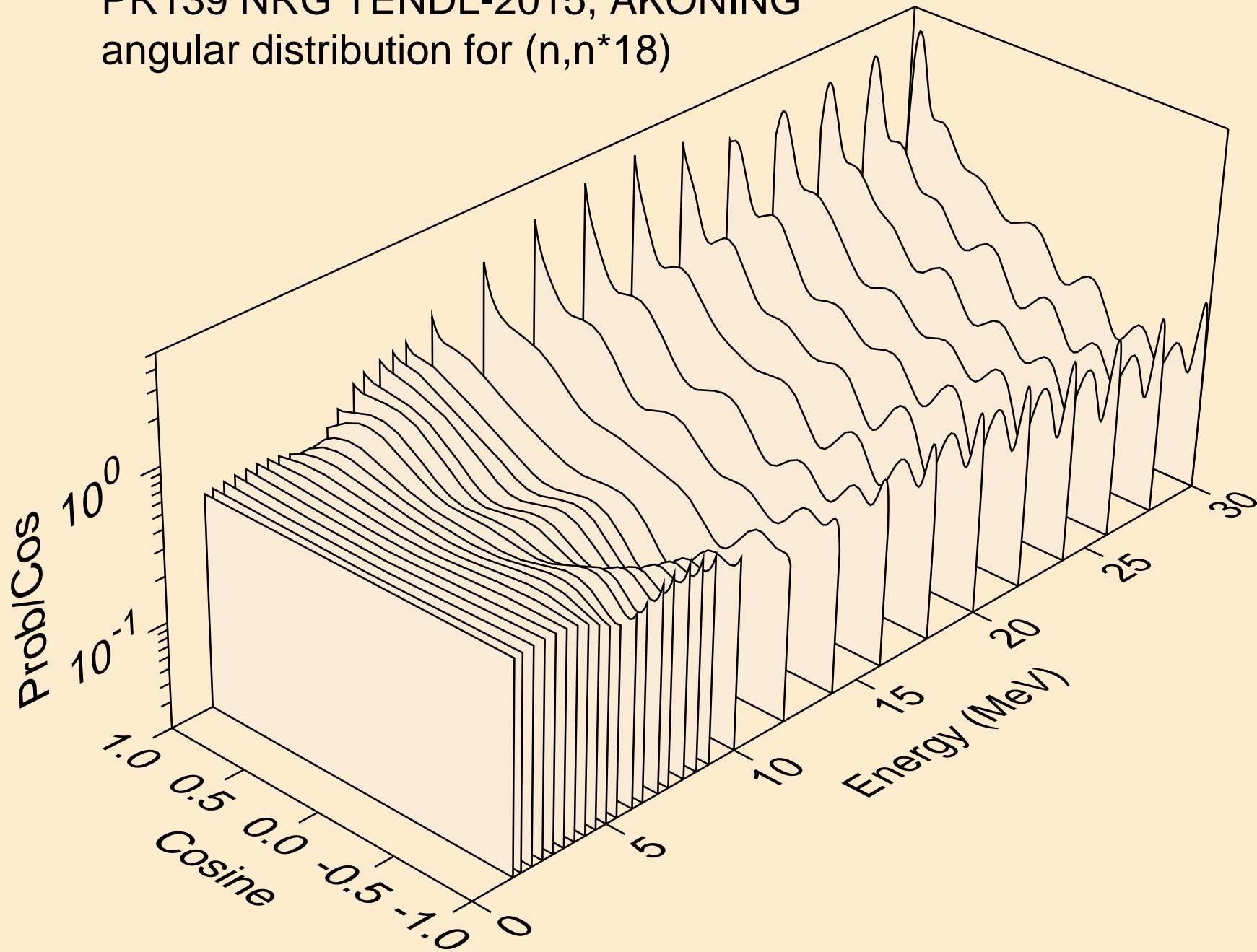
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



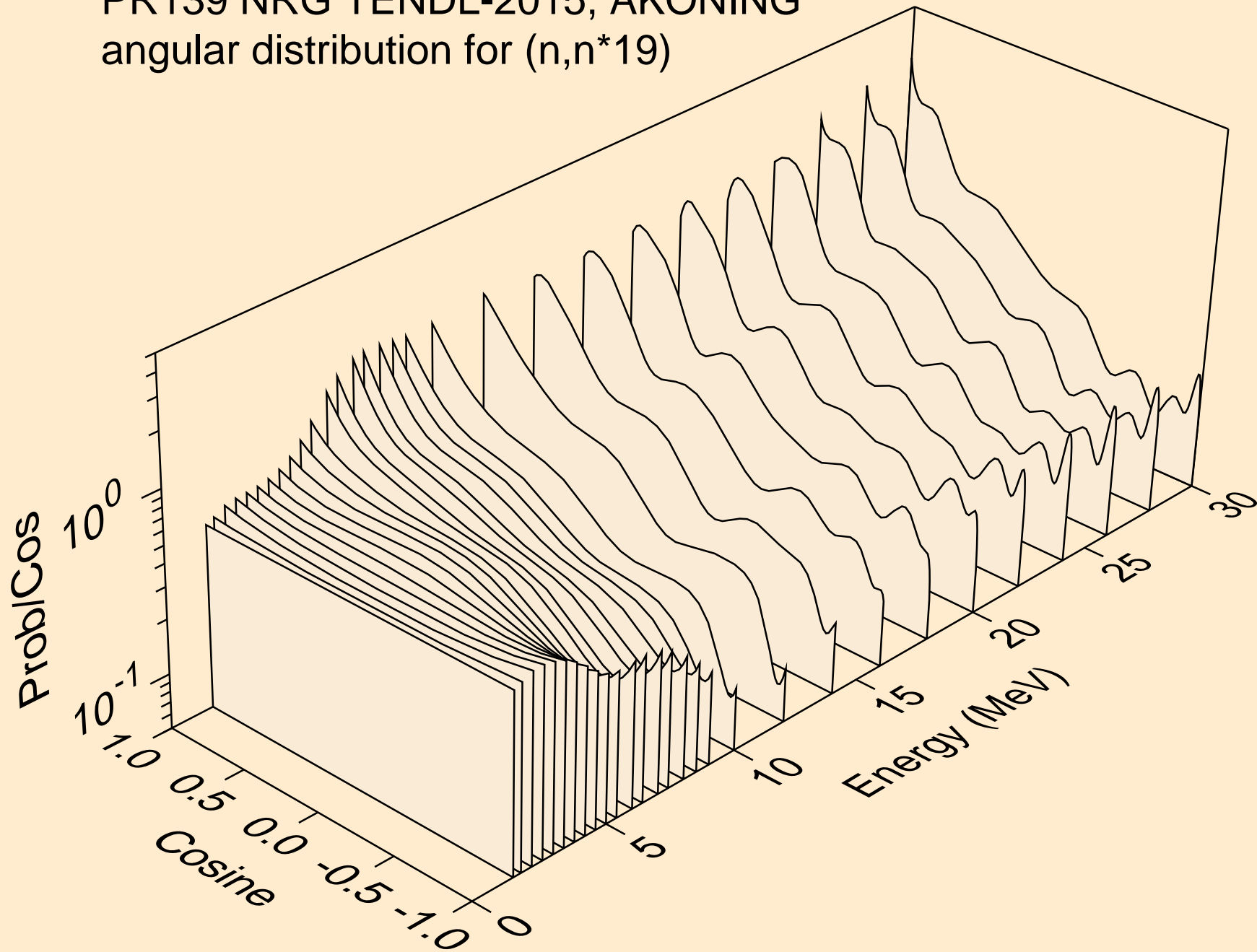
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



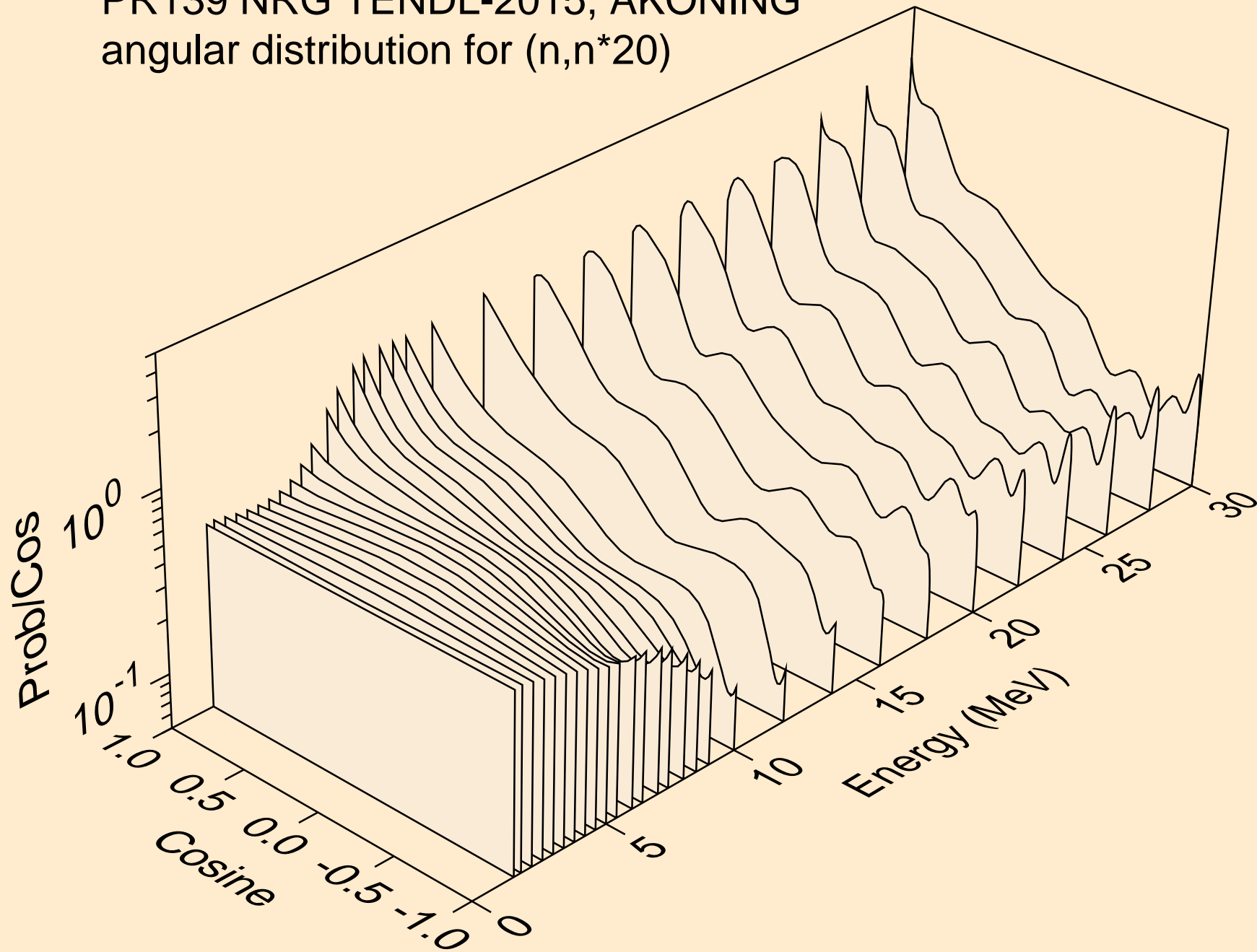
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



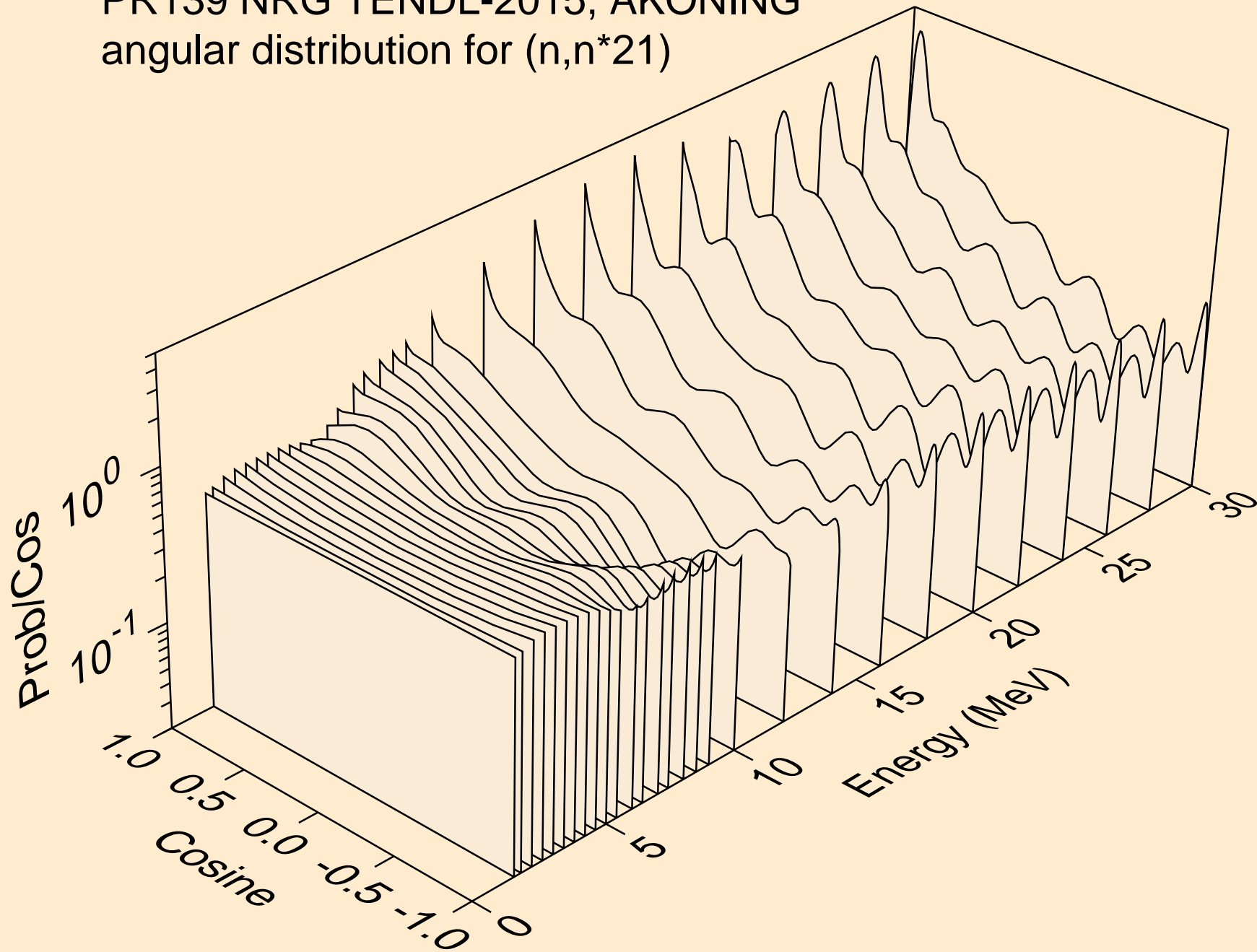
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



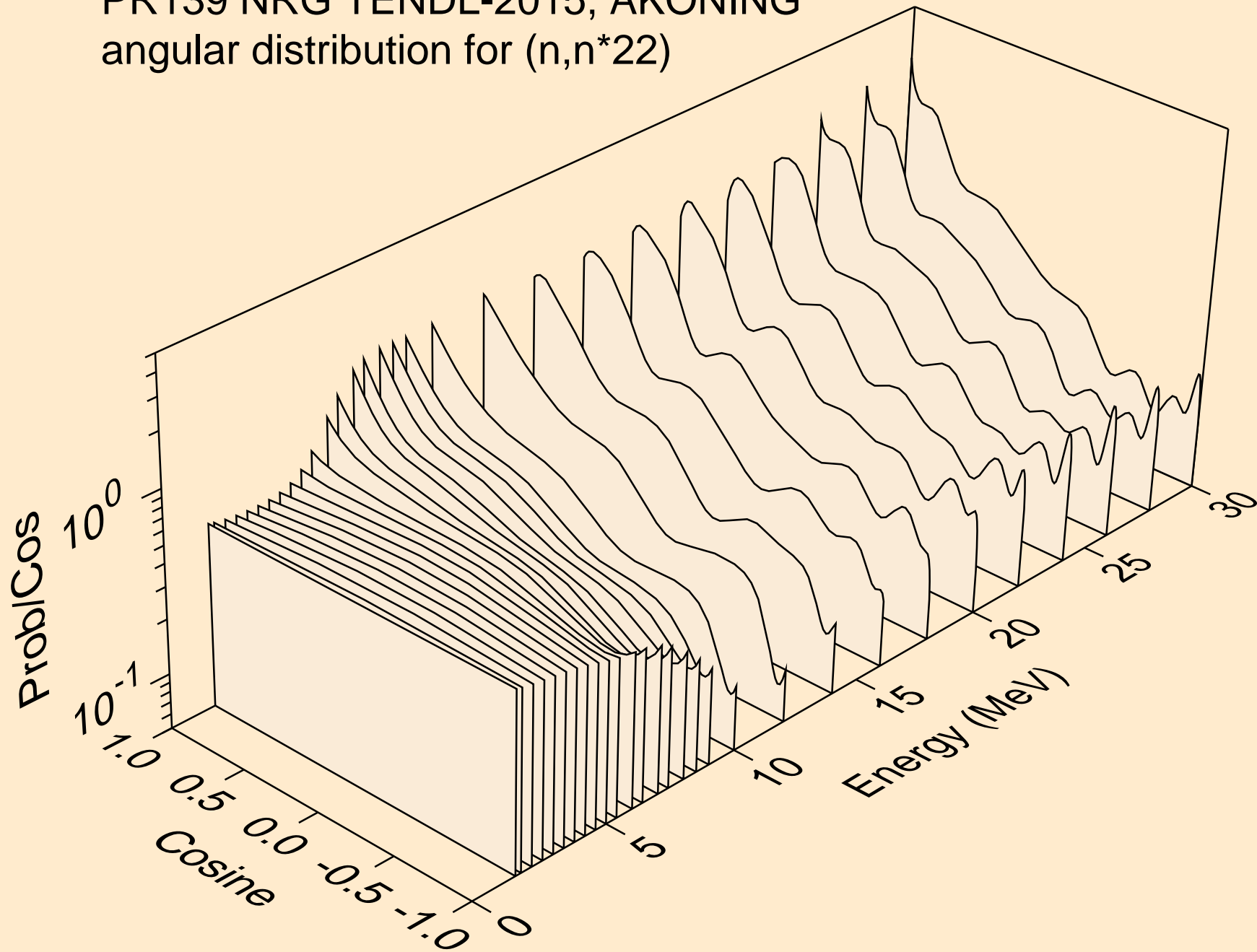
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

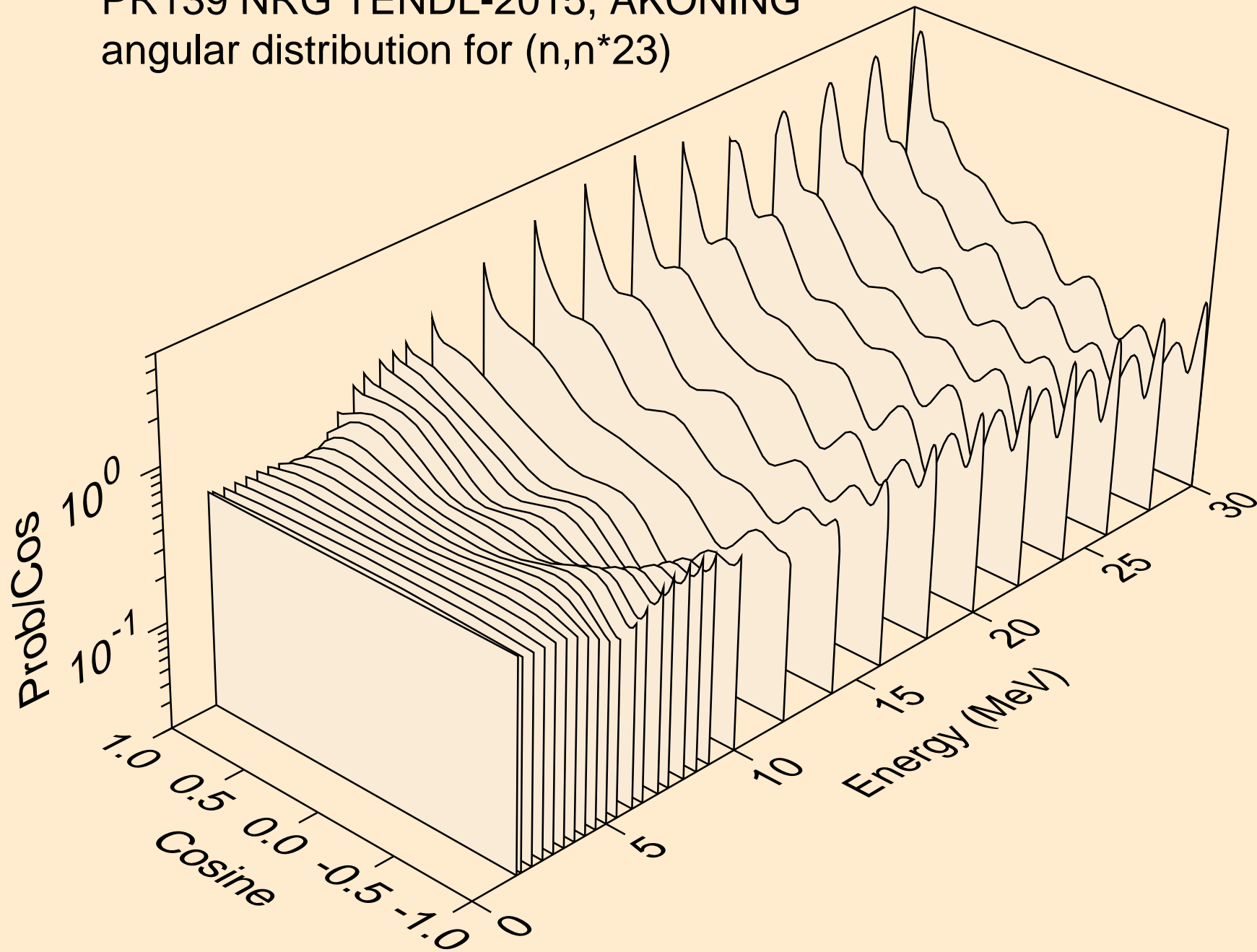


PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

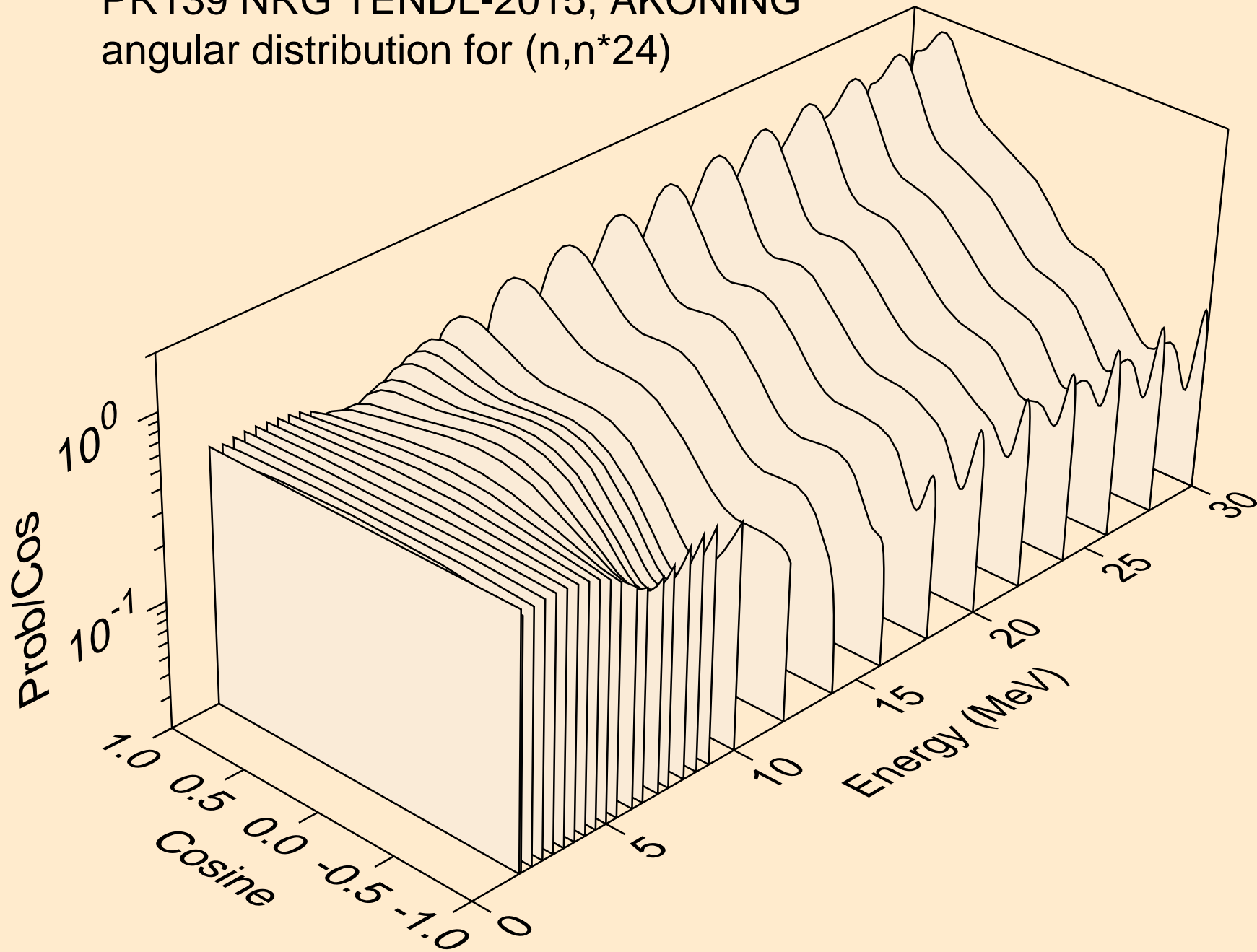




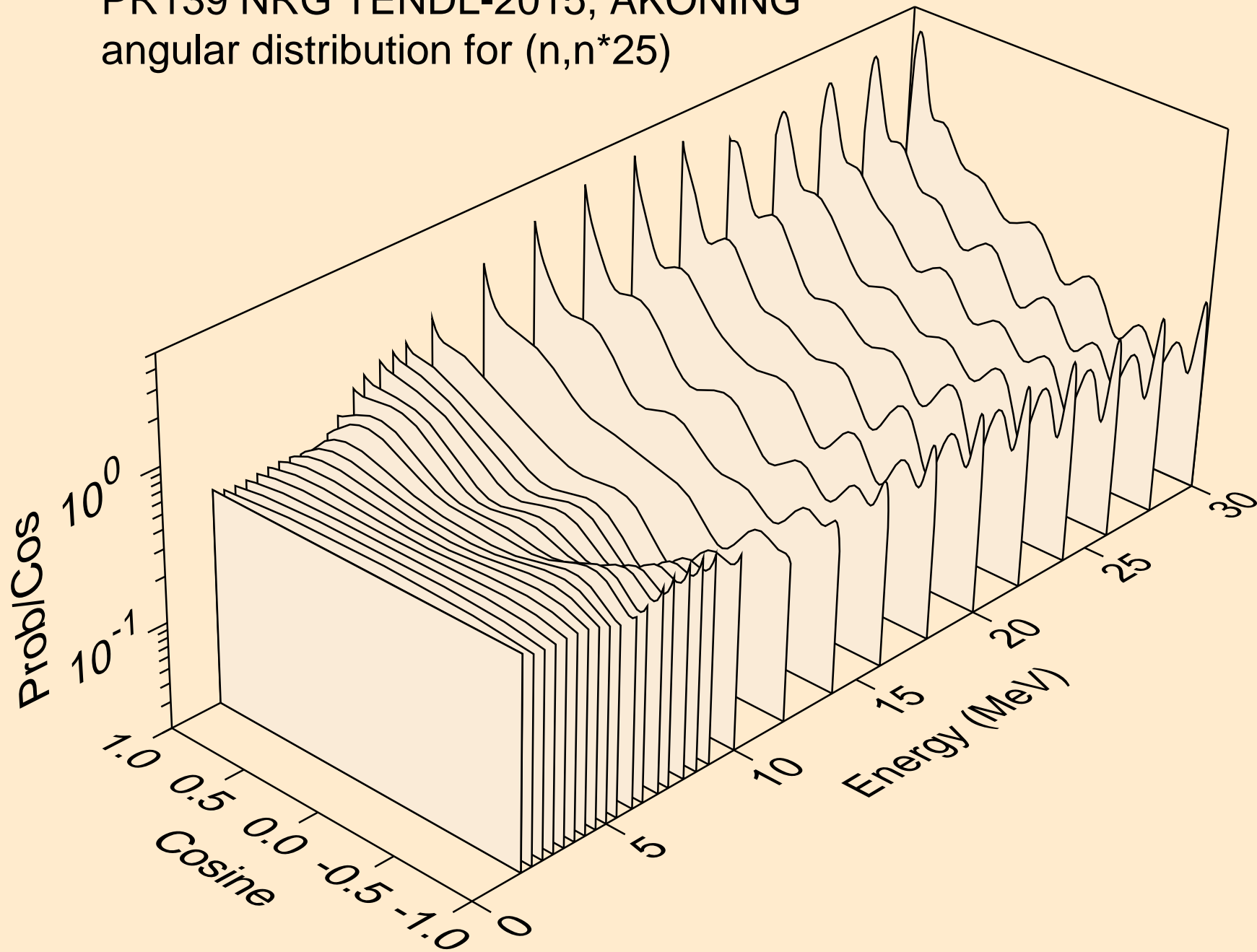
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



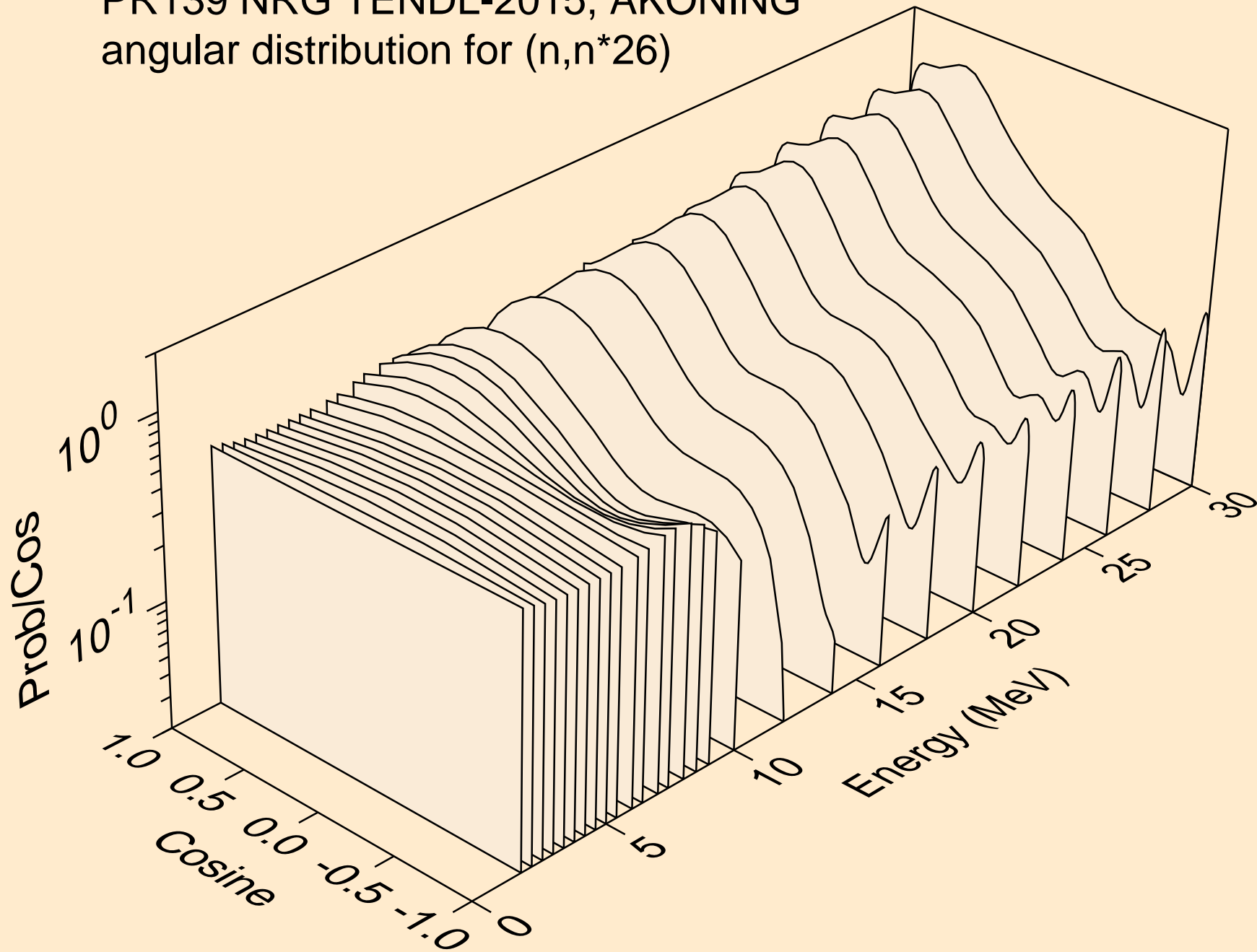
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



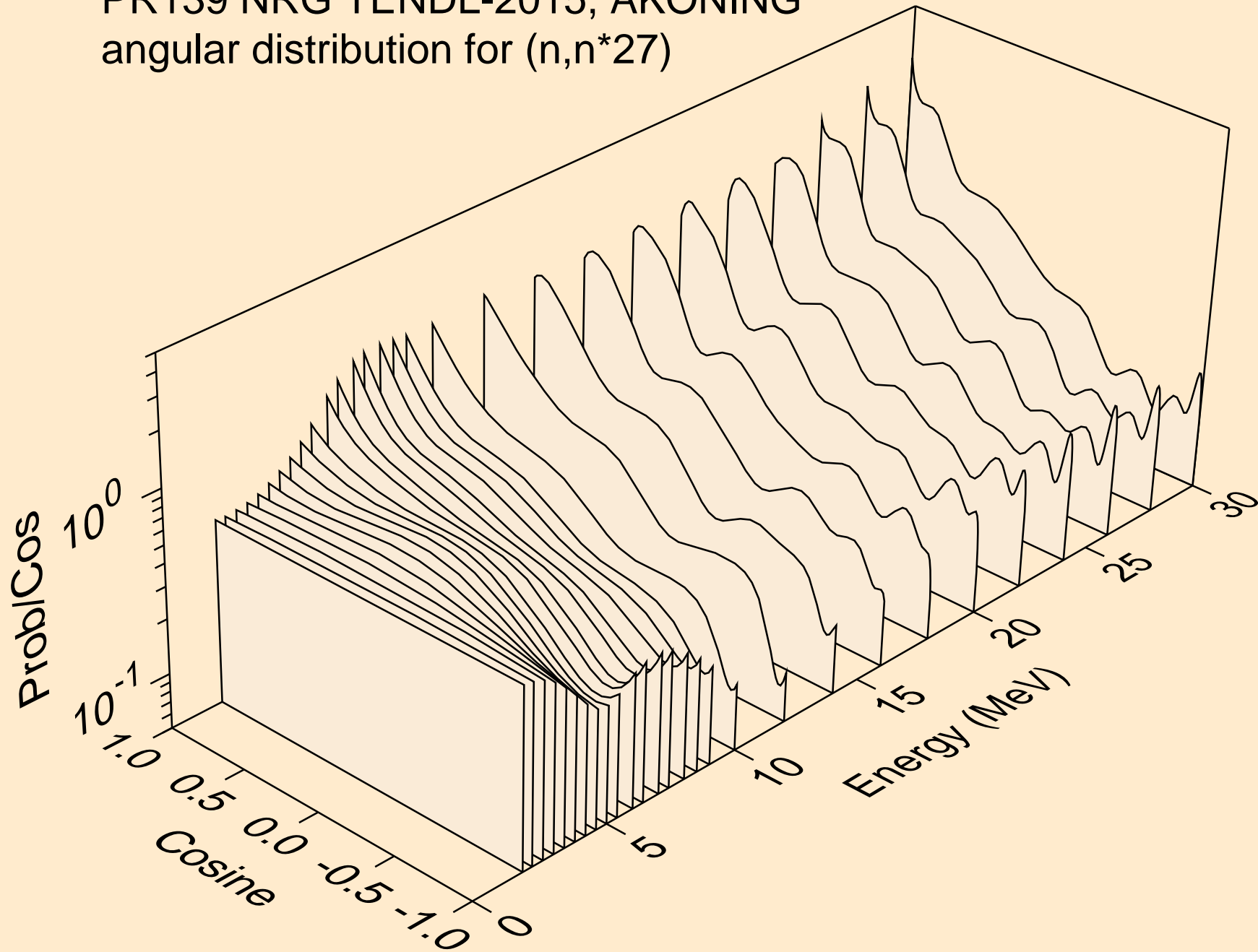
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



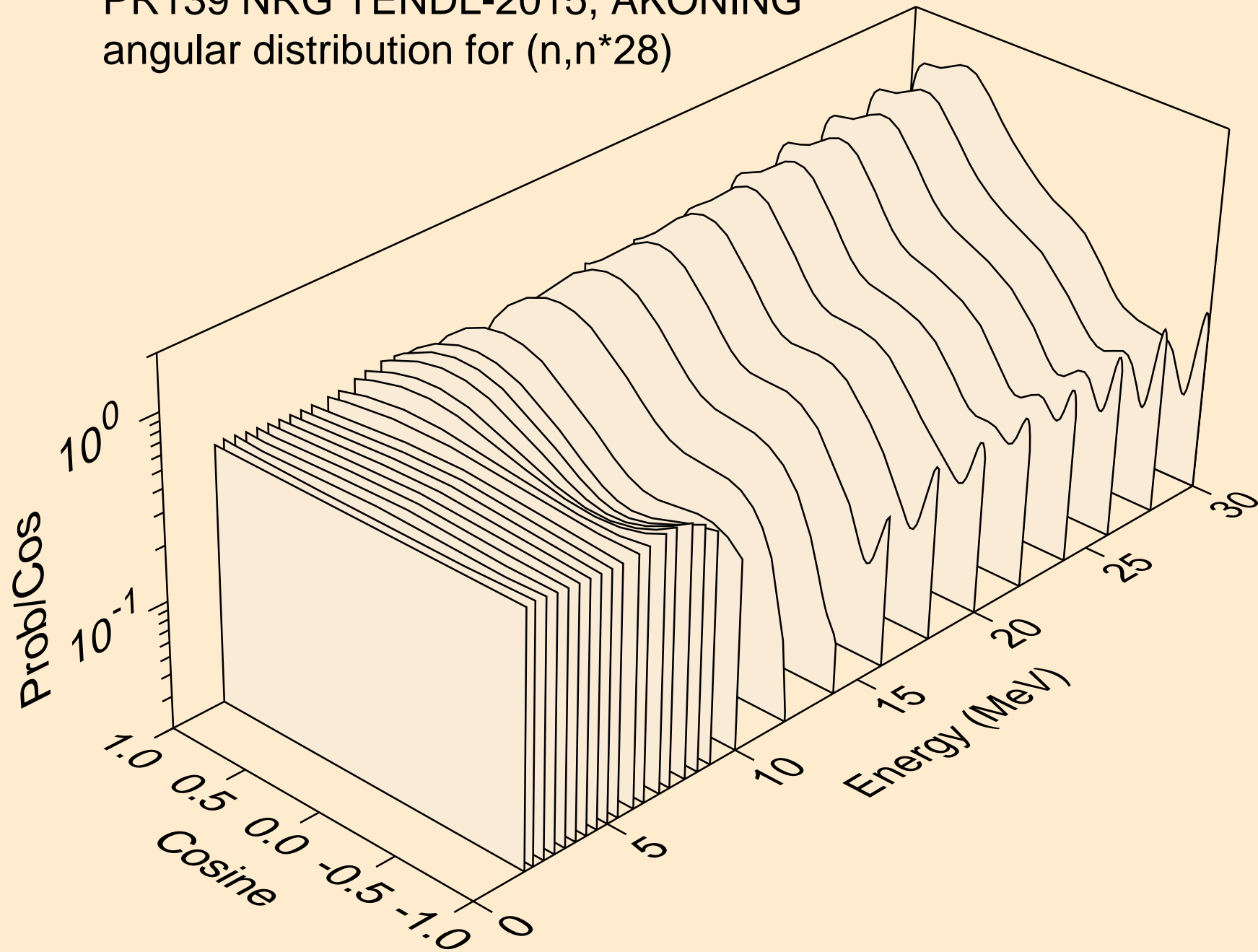
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



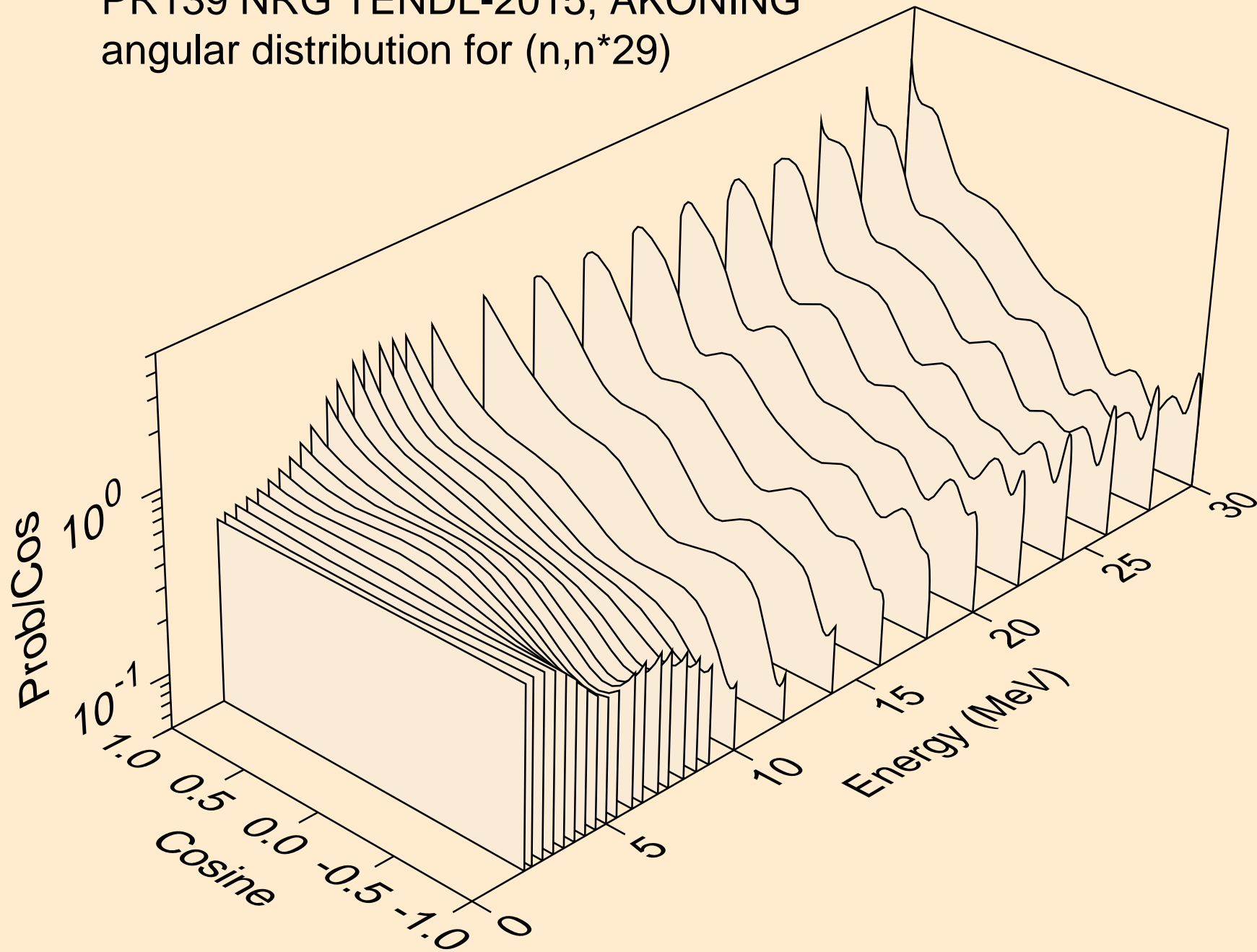
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



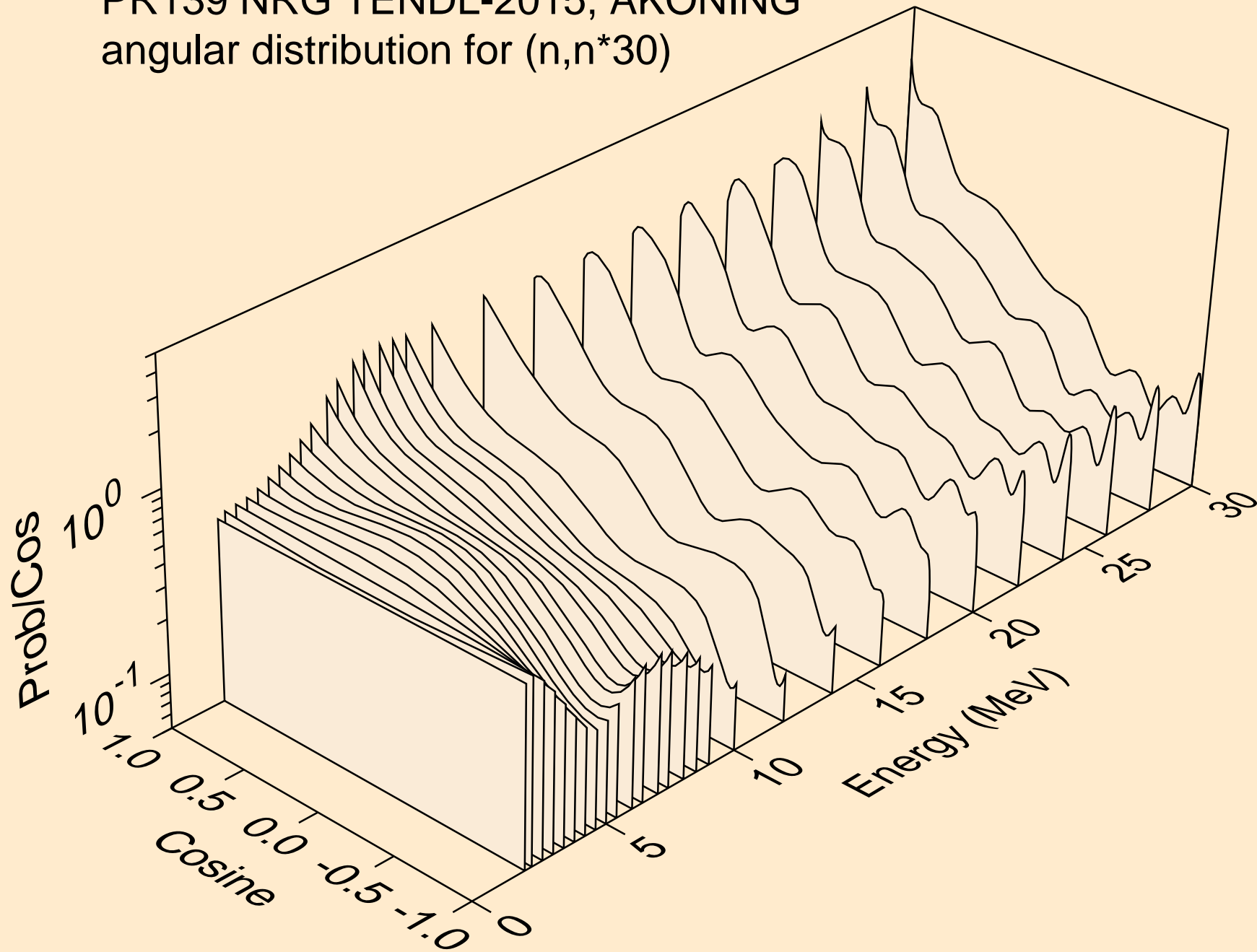
PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

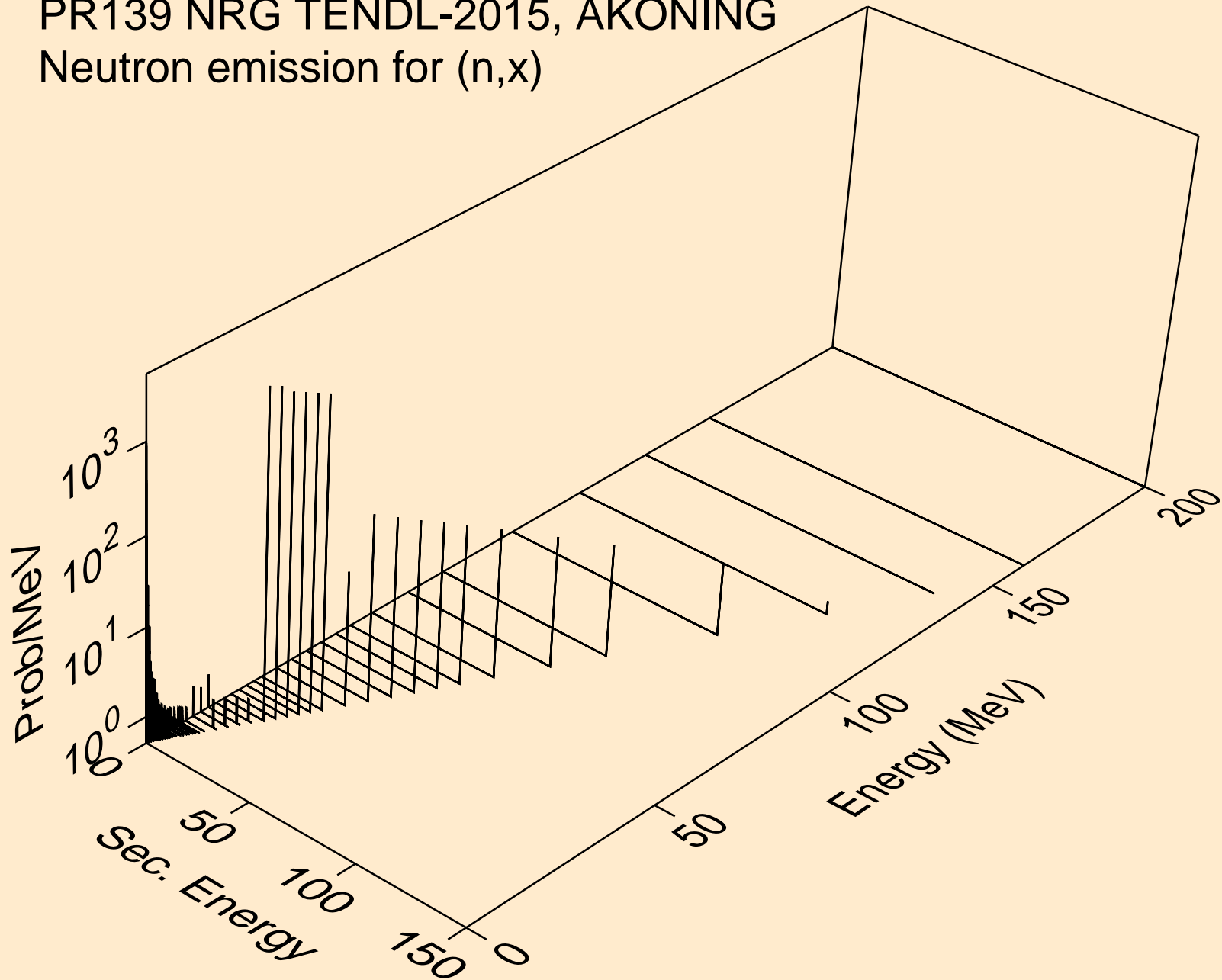


PR139 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

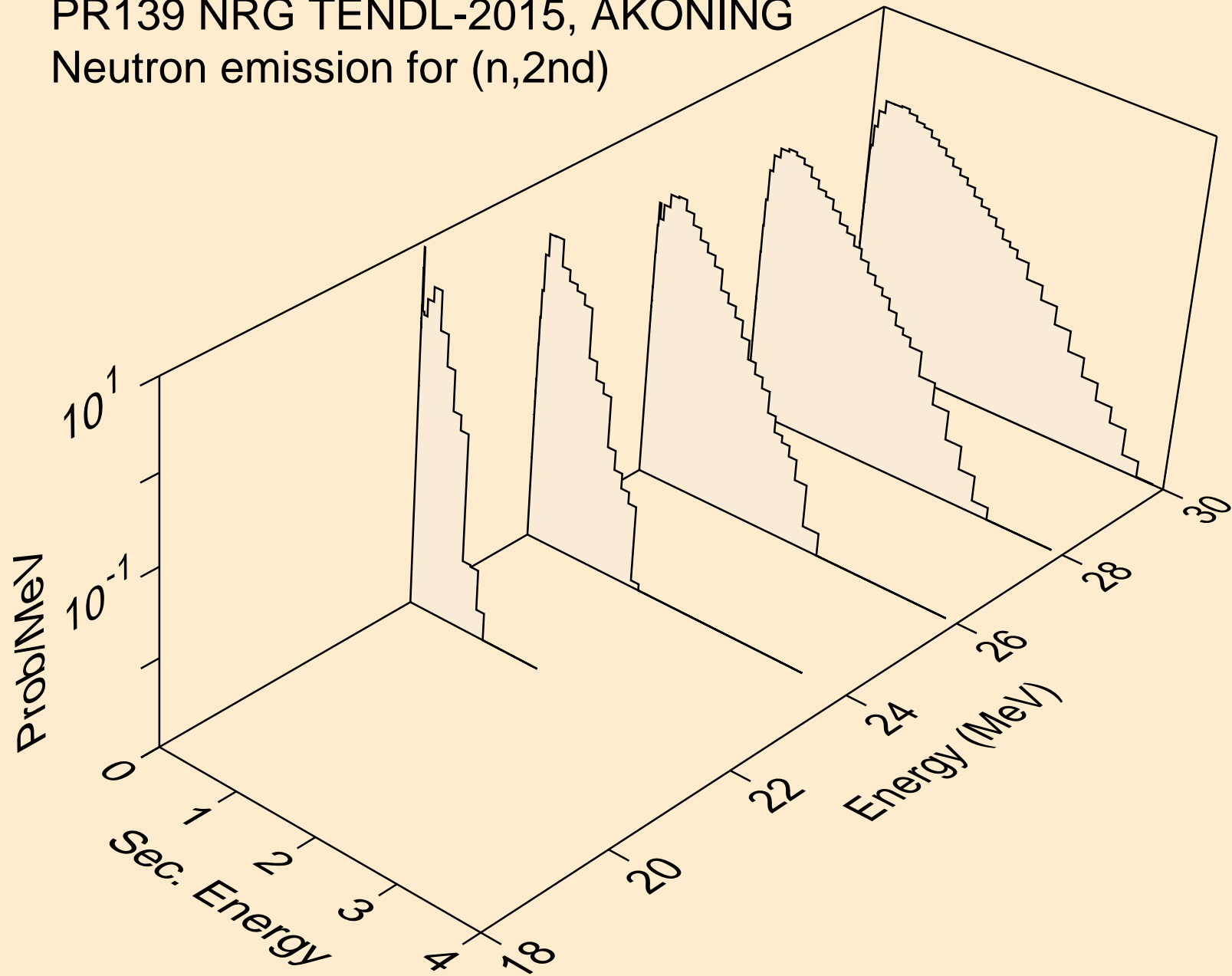




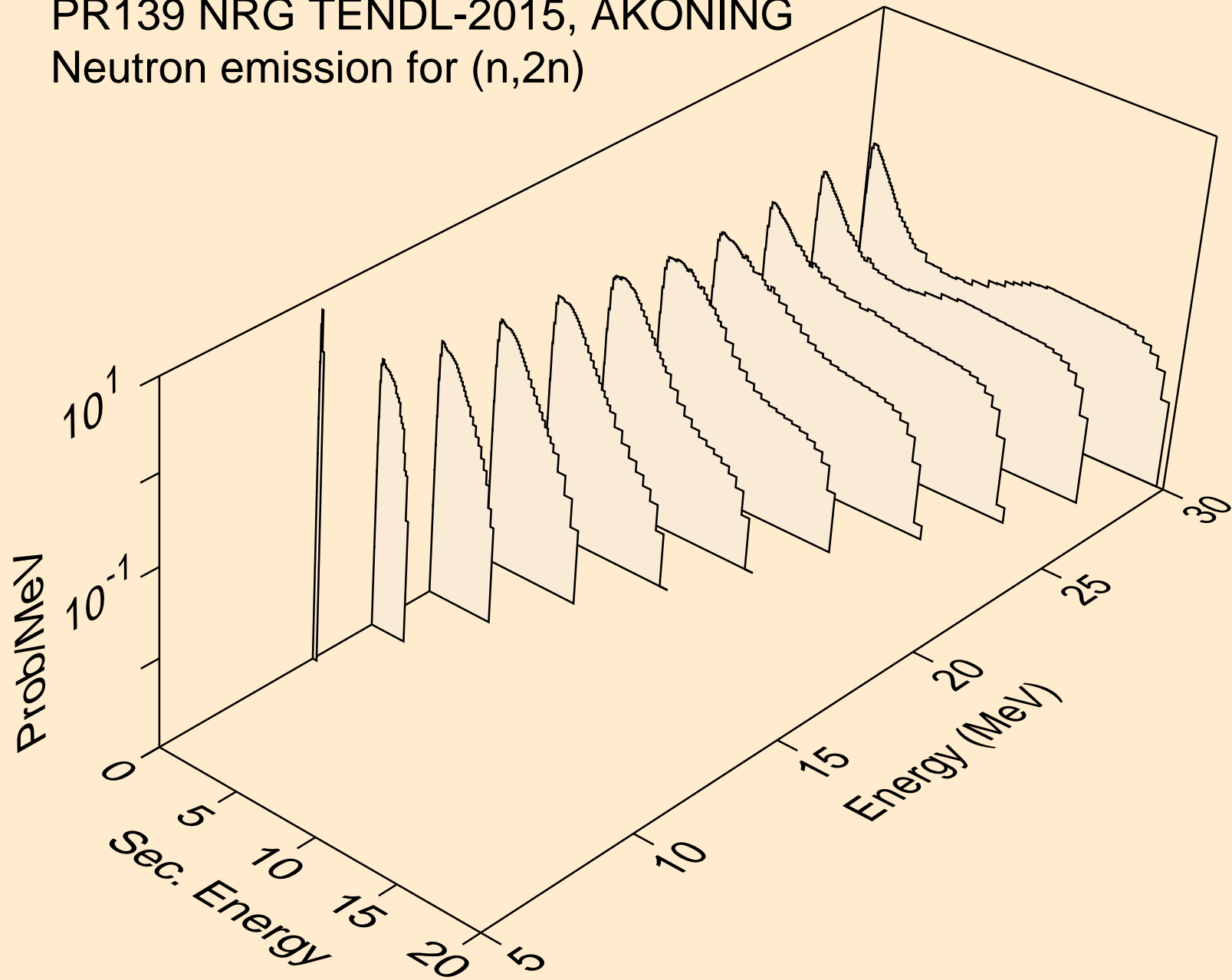
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



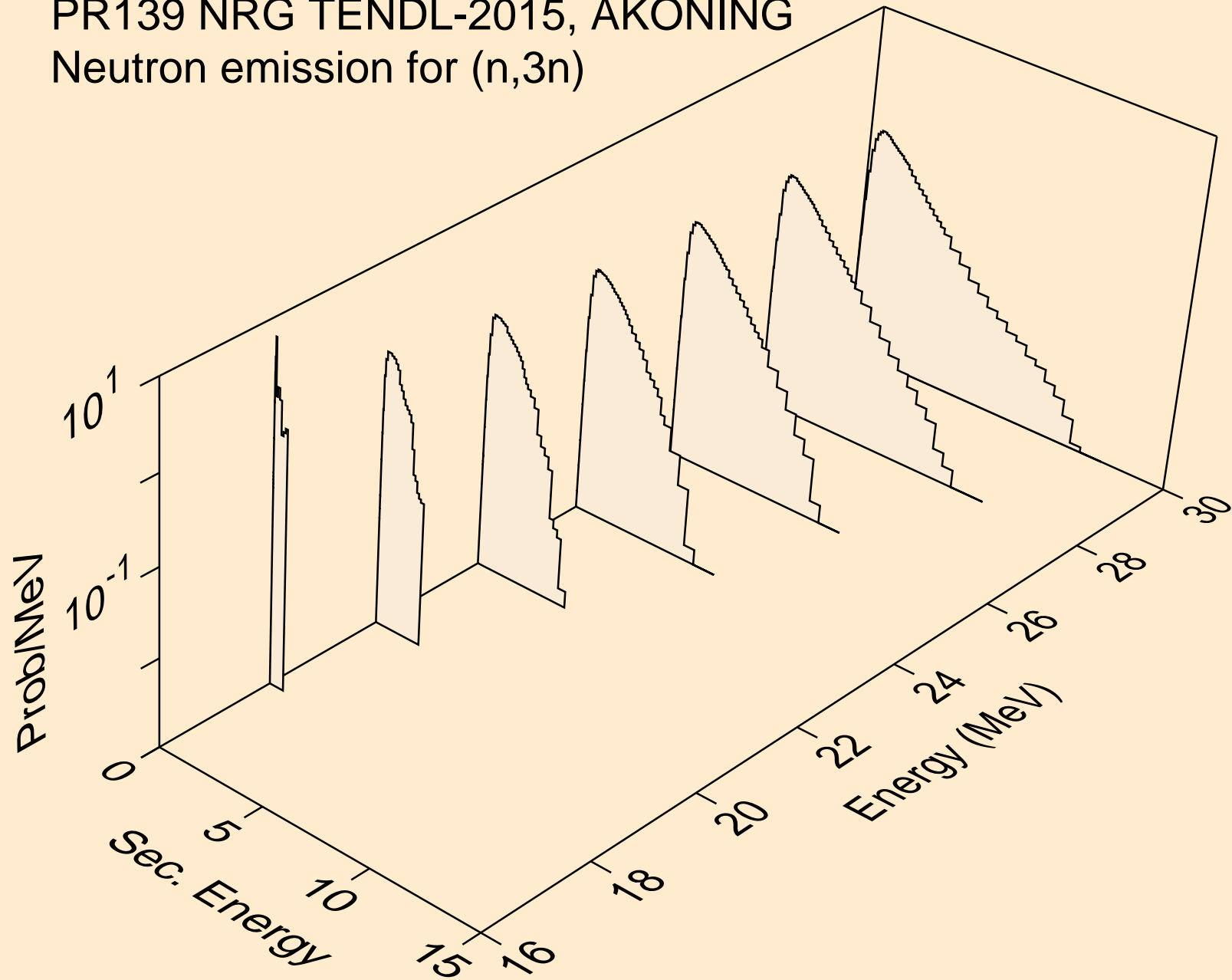
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



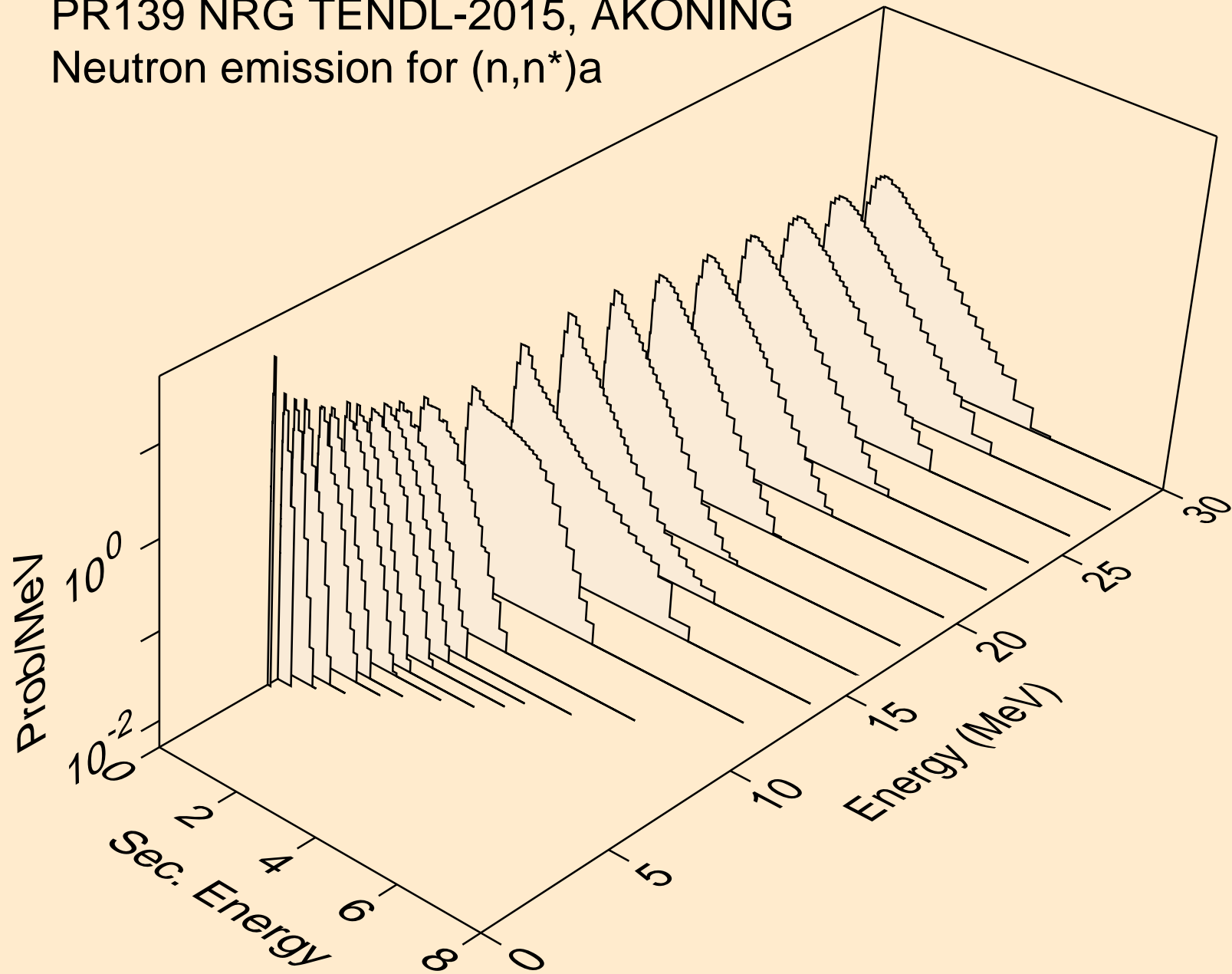
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



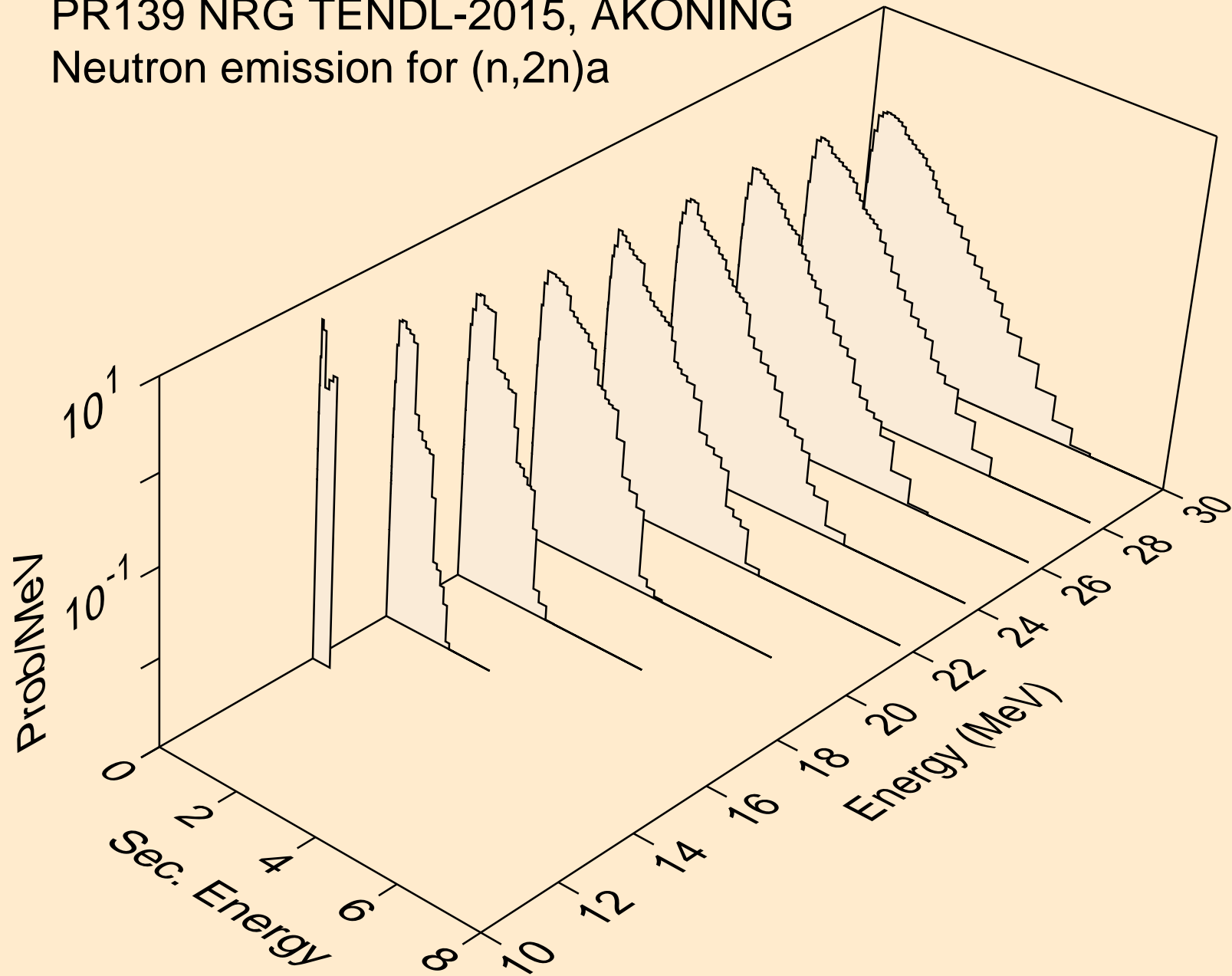
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



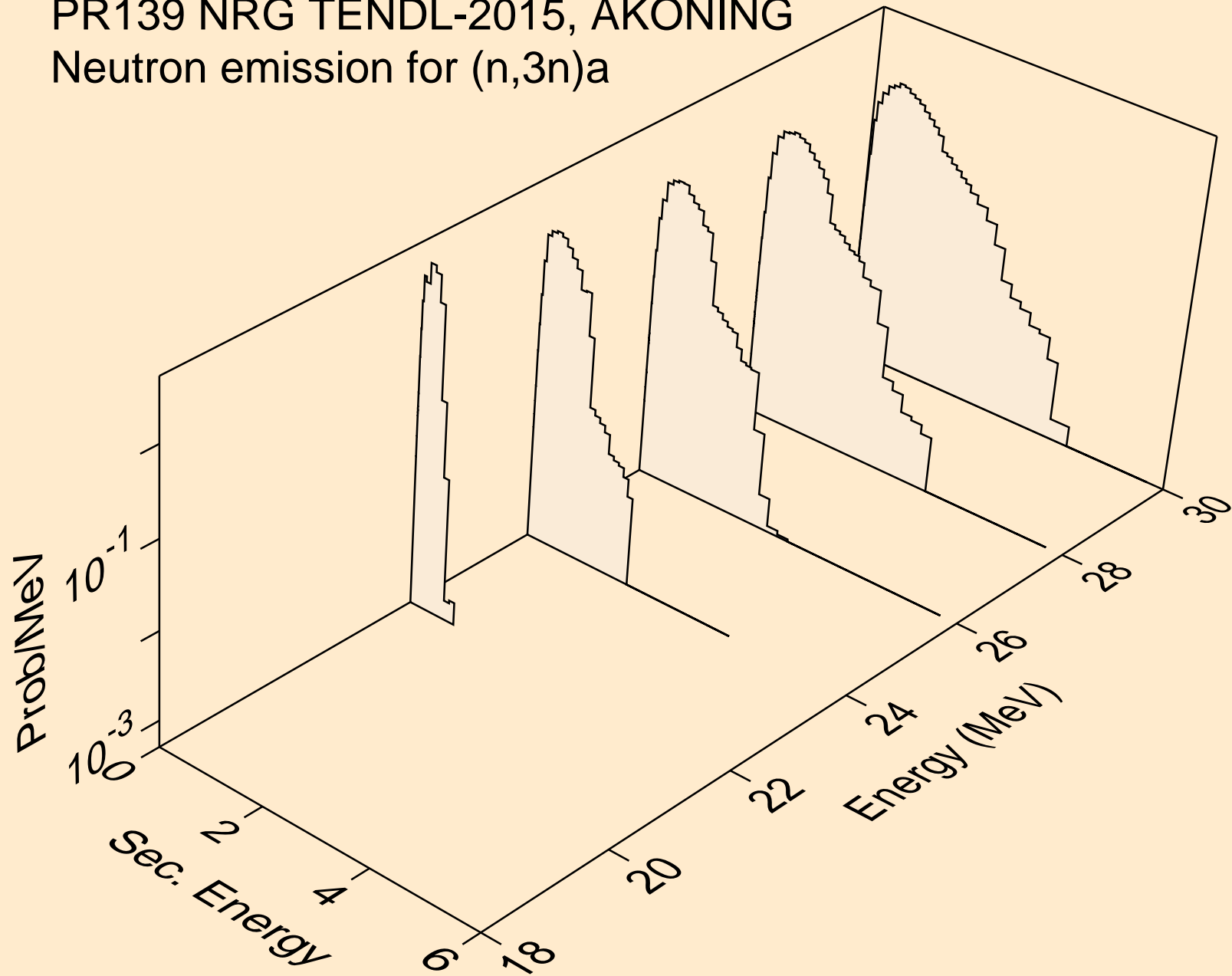
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



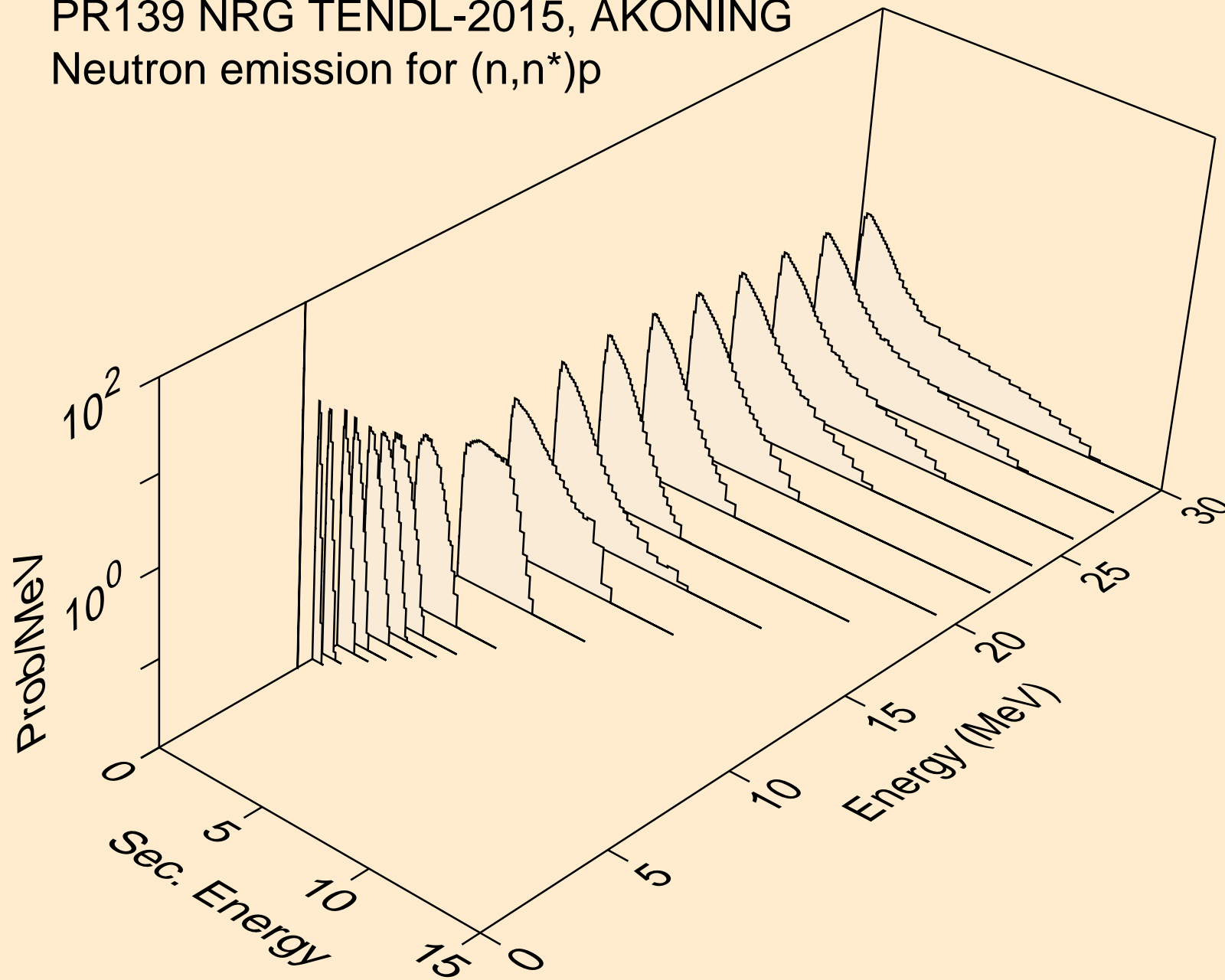
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

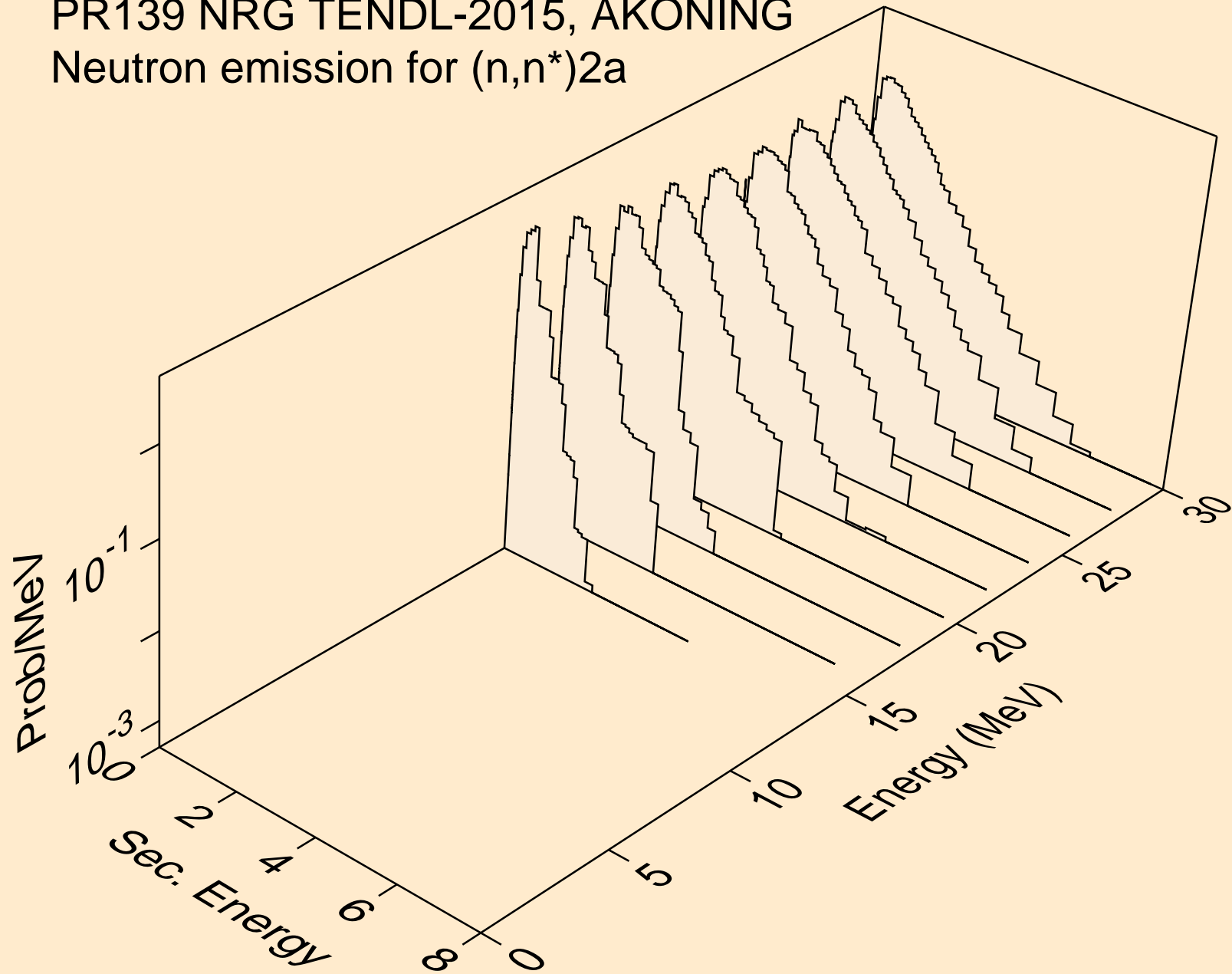


PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

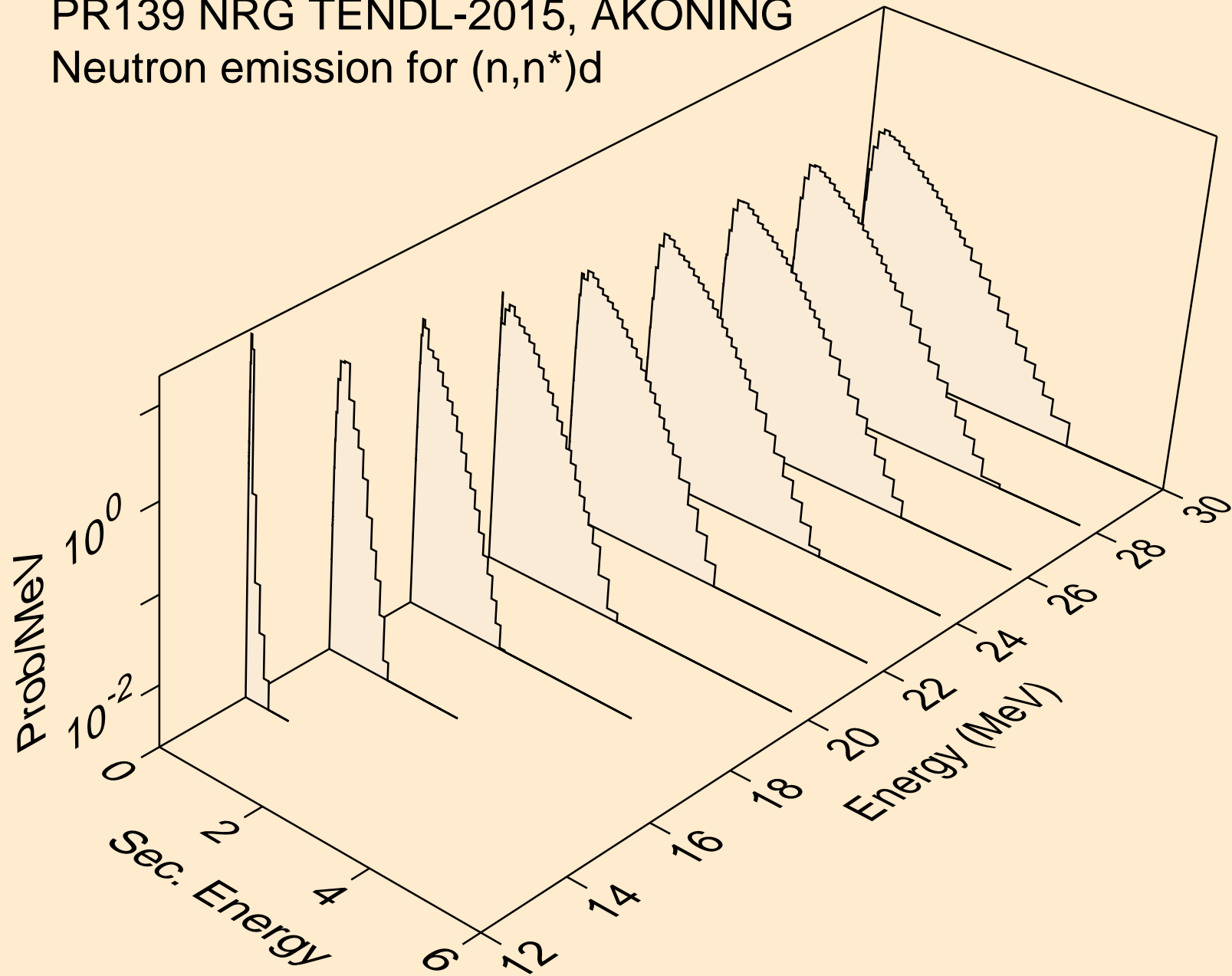




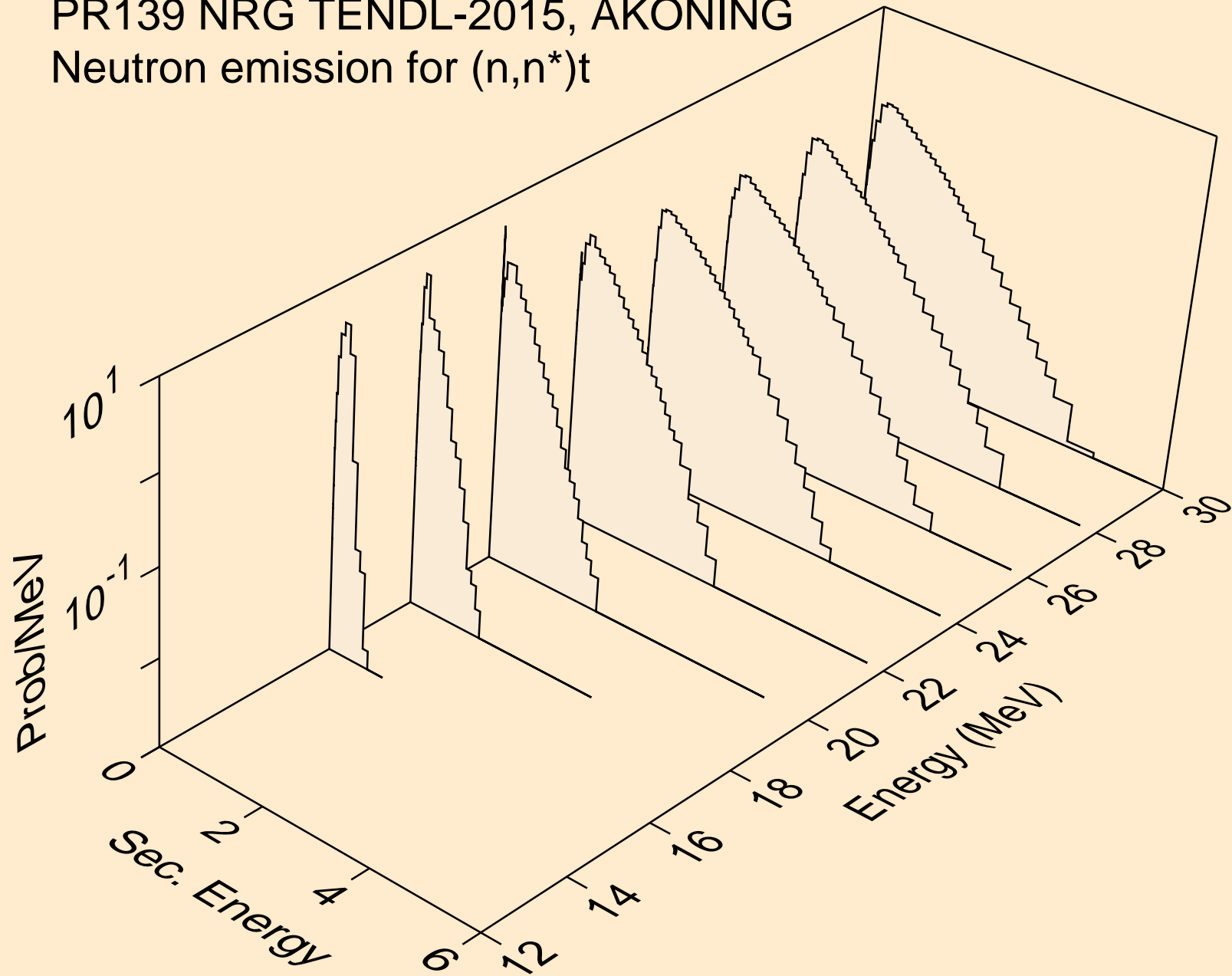
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



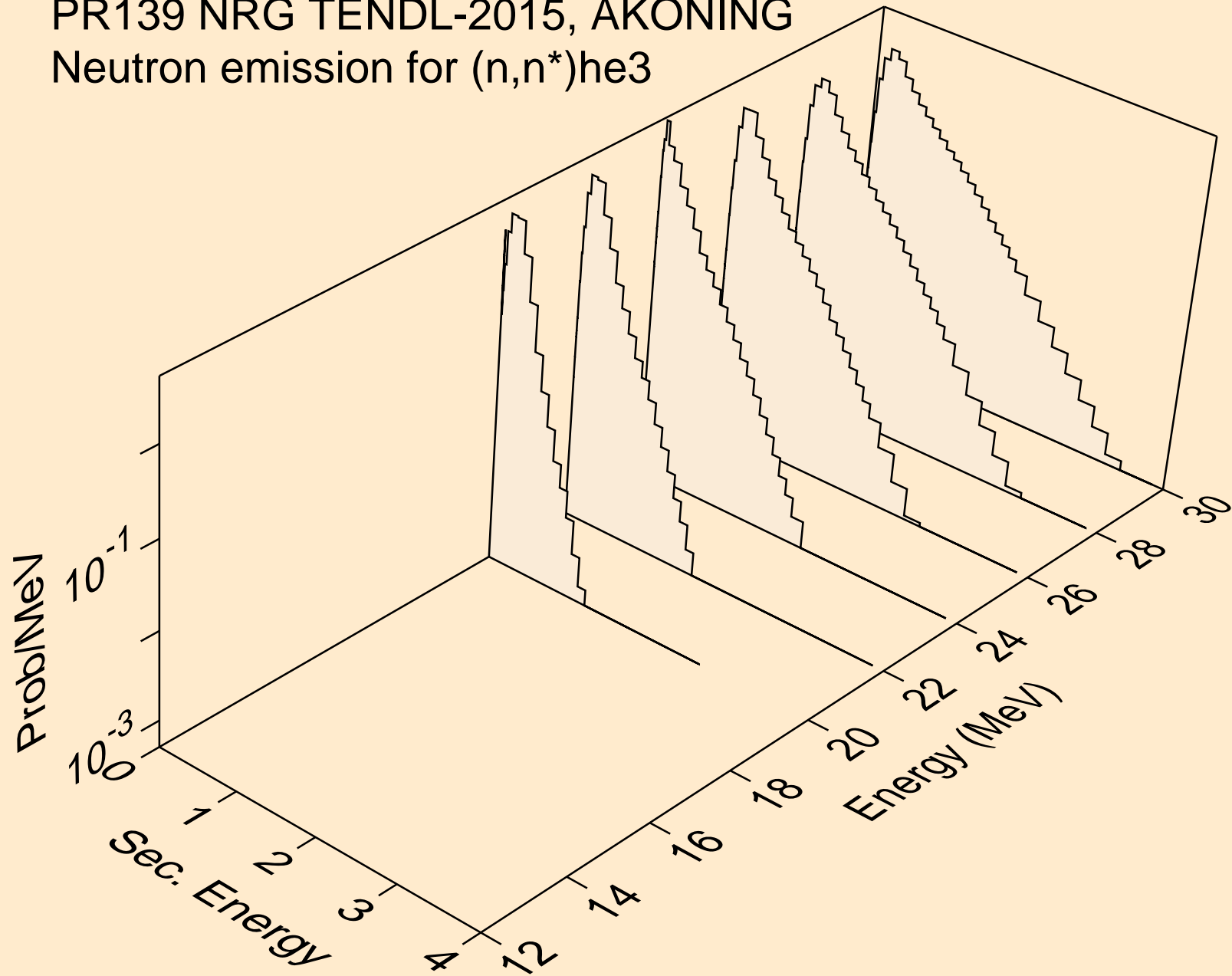
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



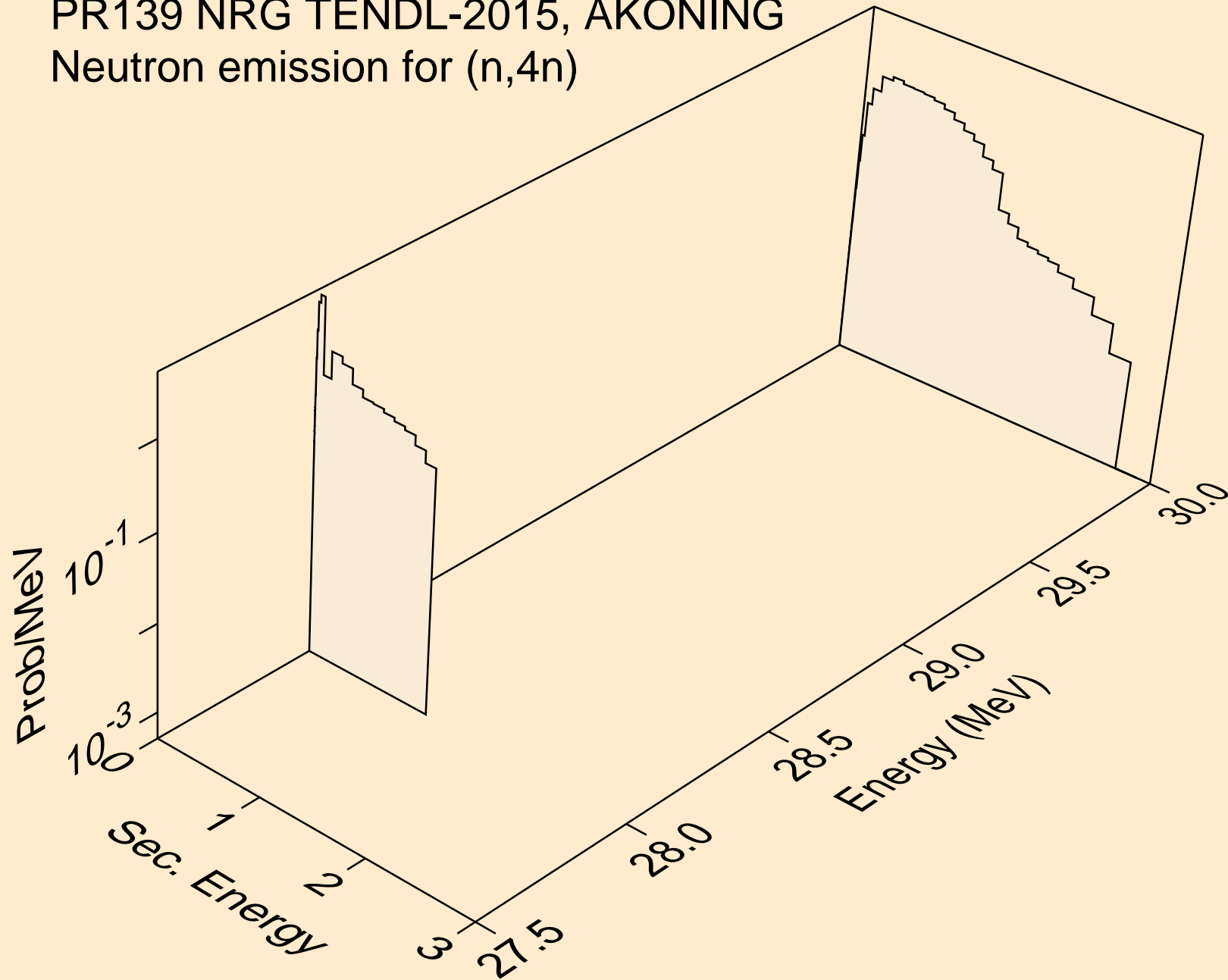
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



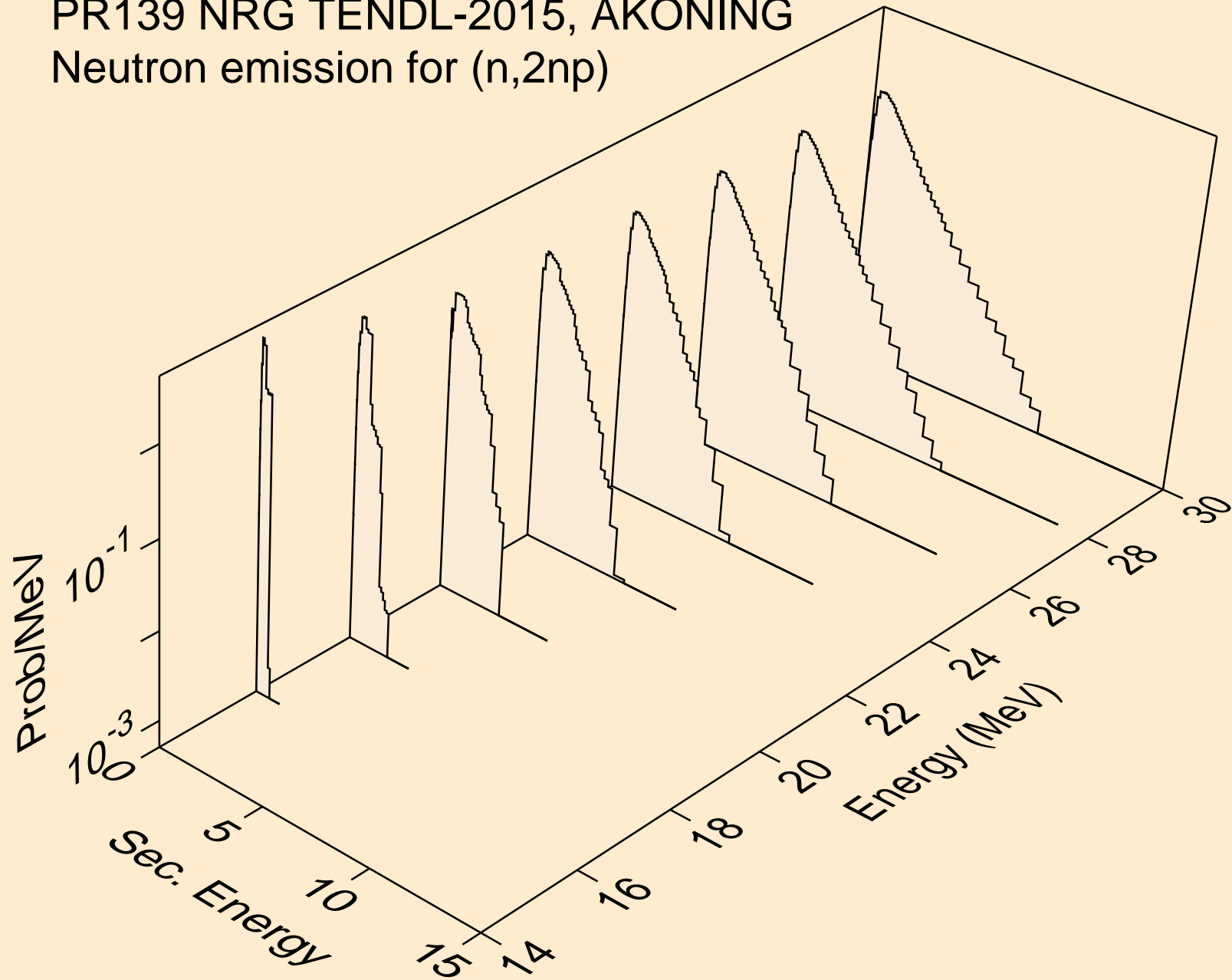
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



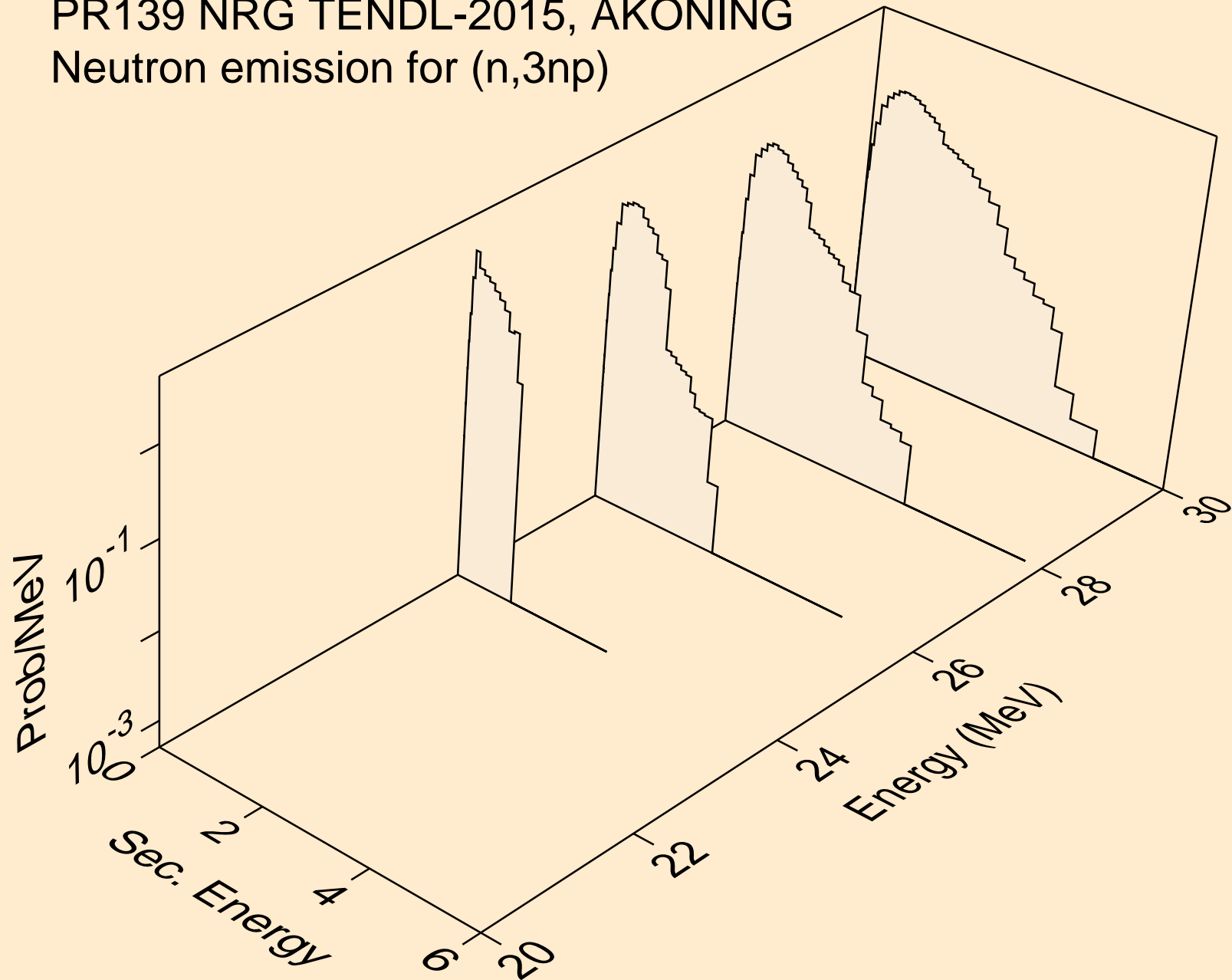
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



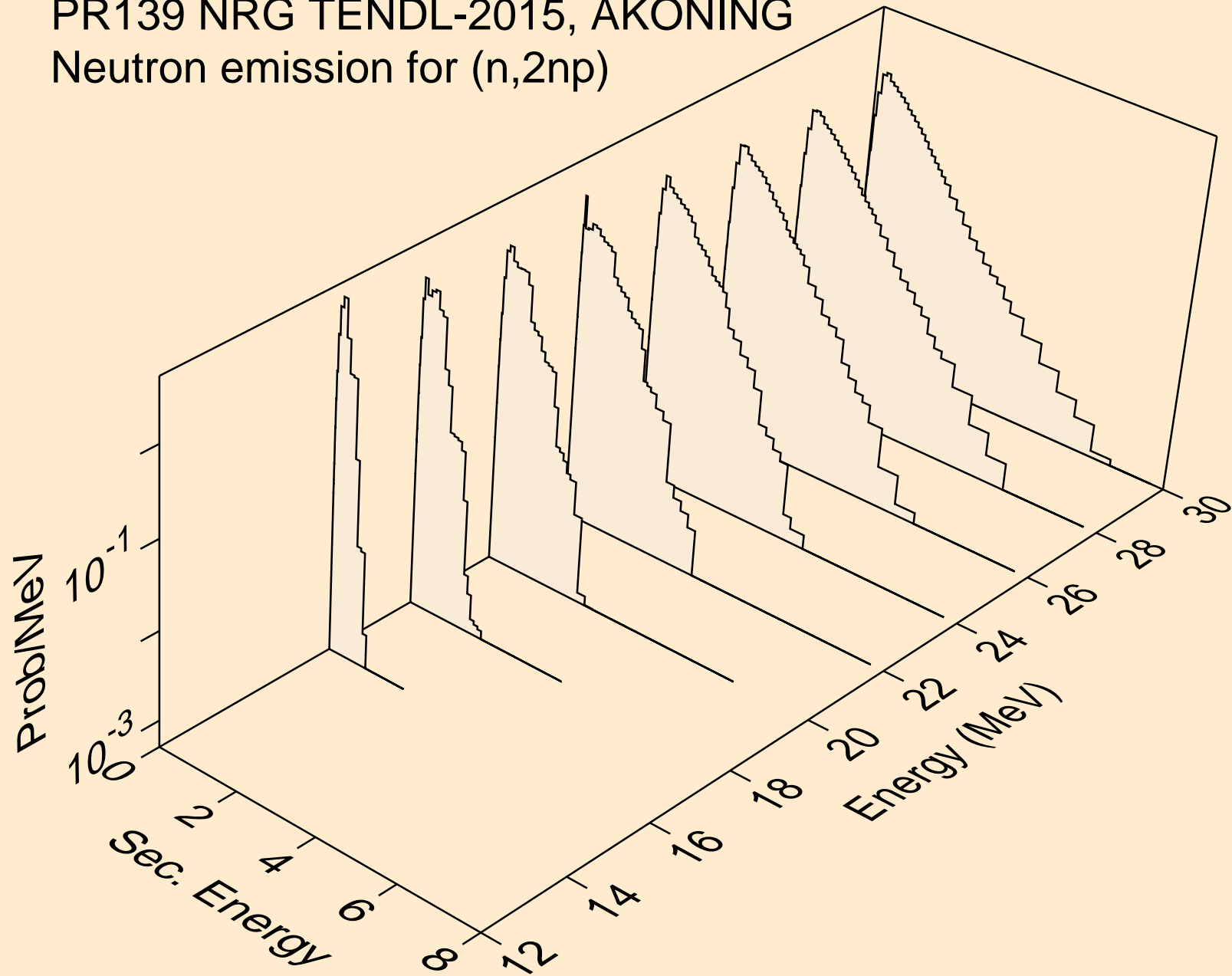
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

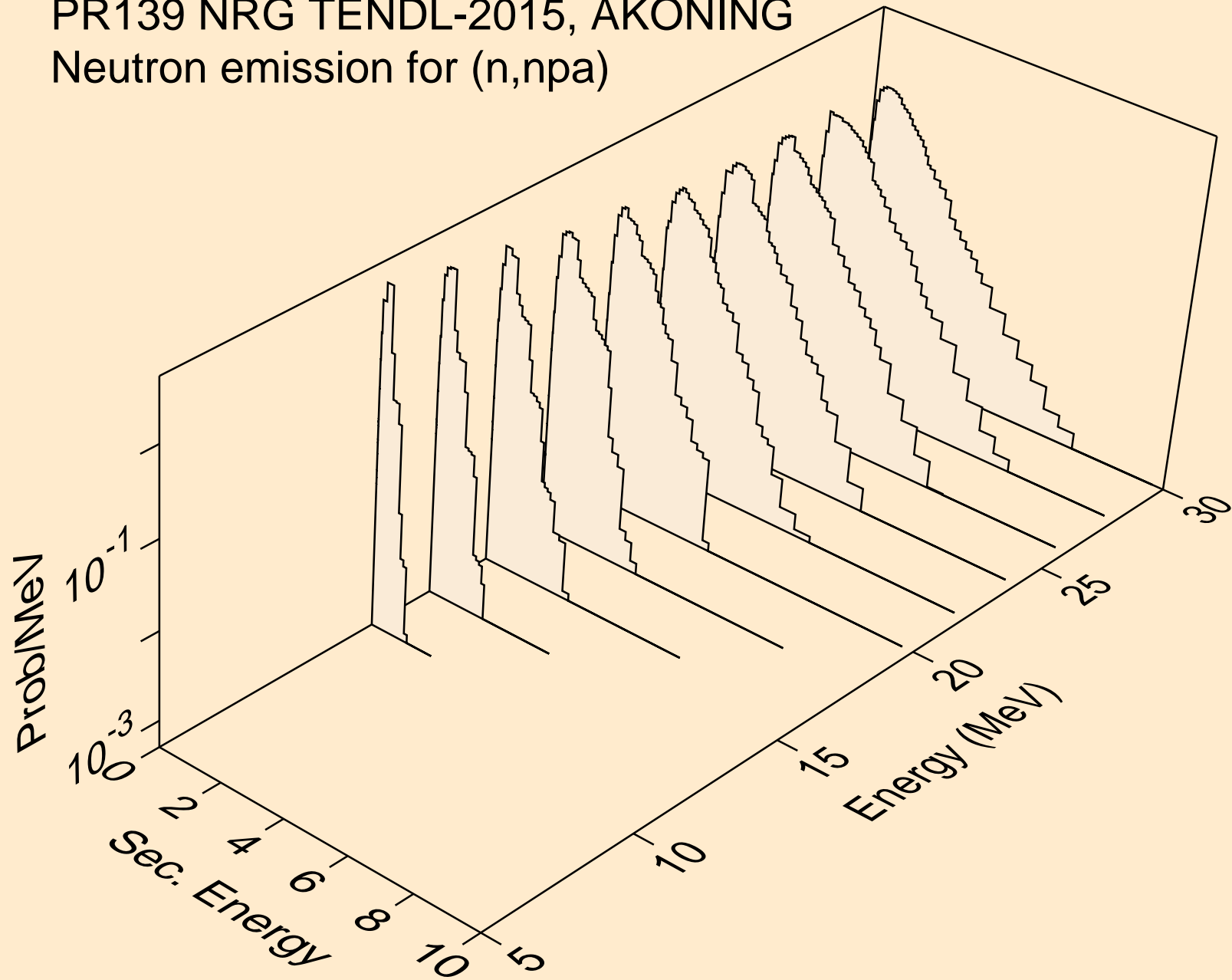


PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

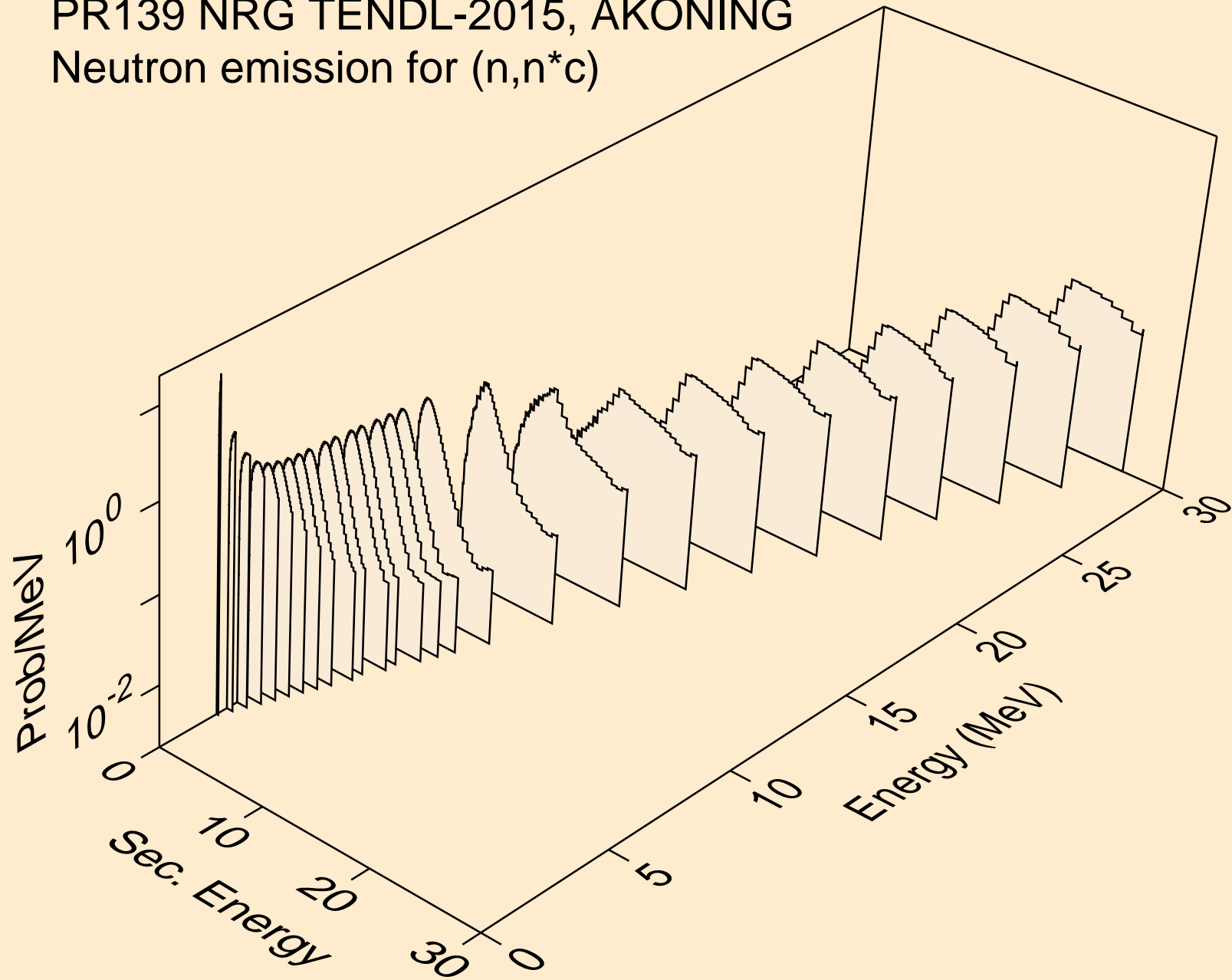




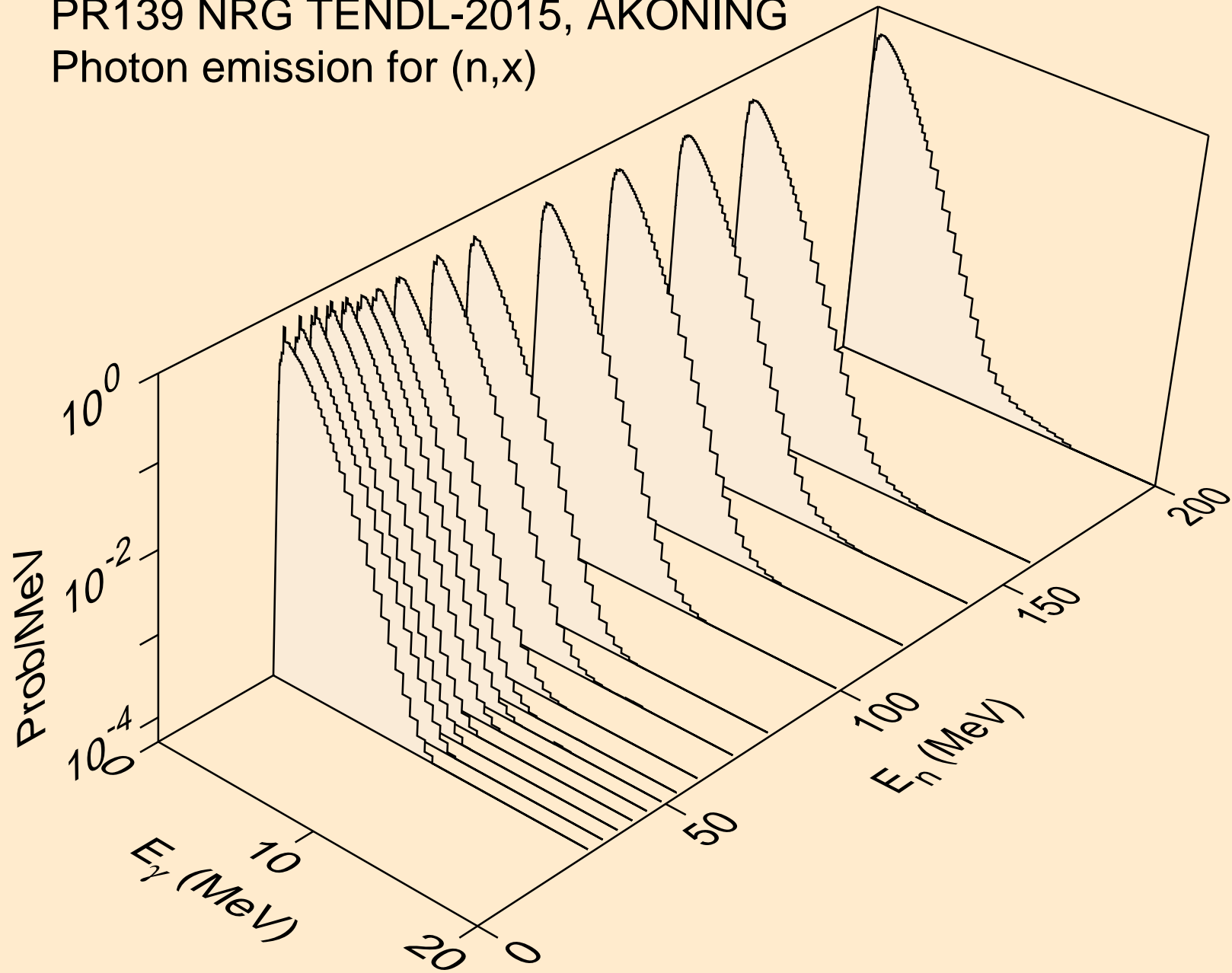
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



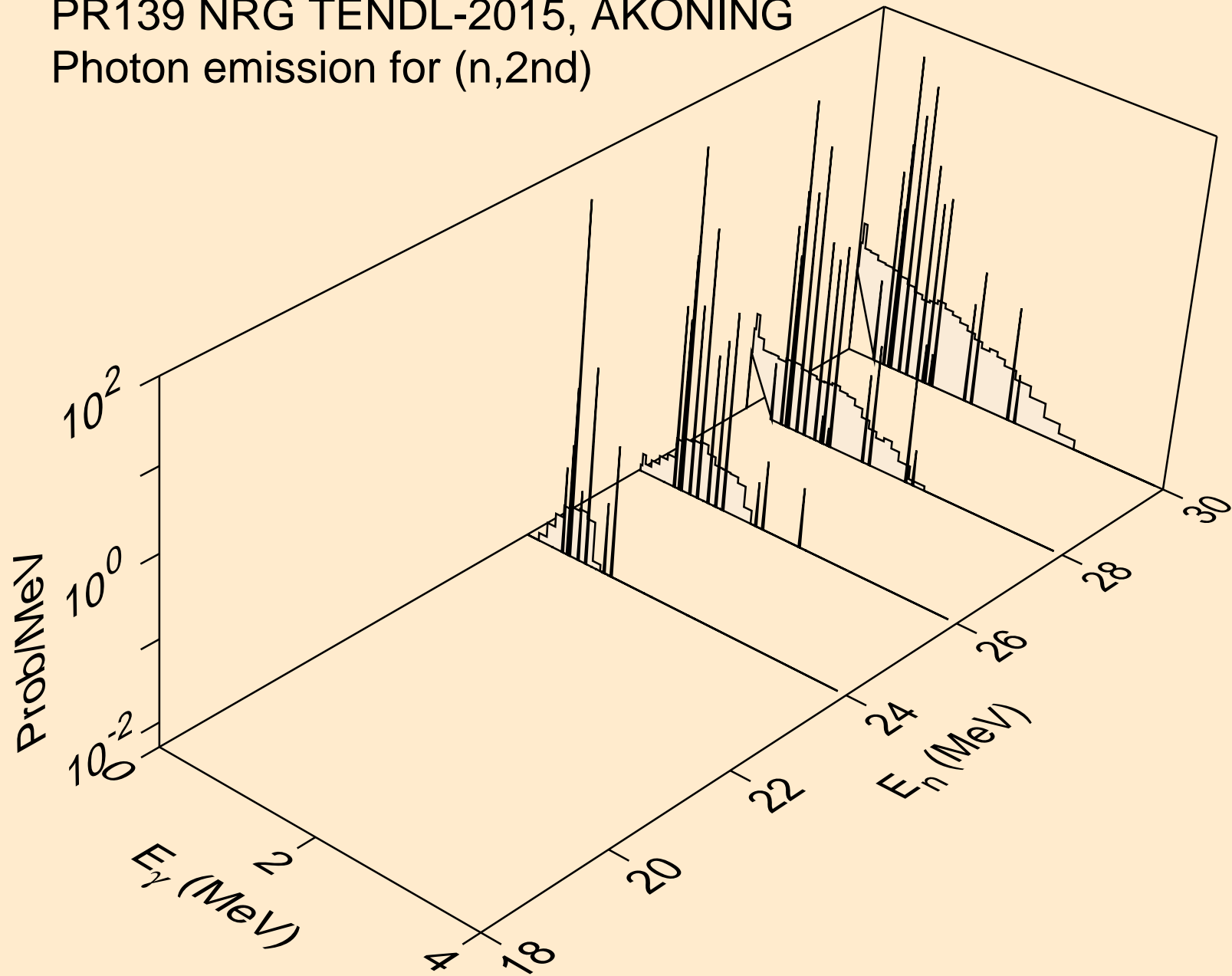
PR139 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



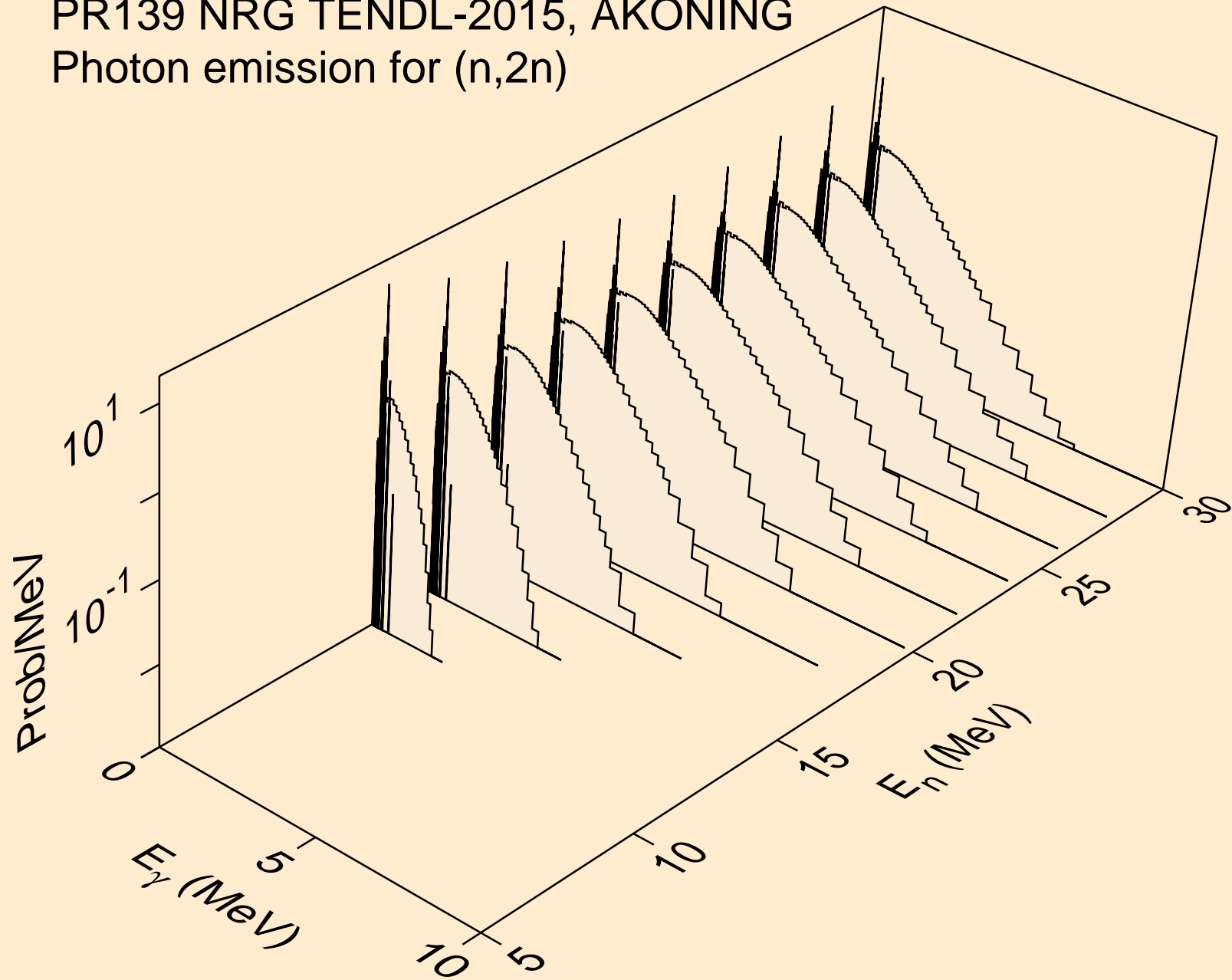
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



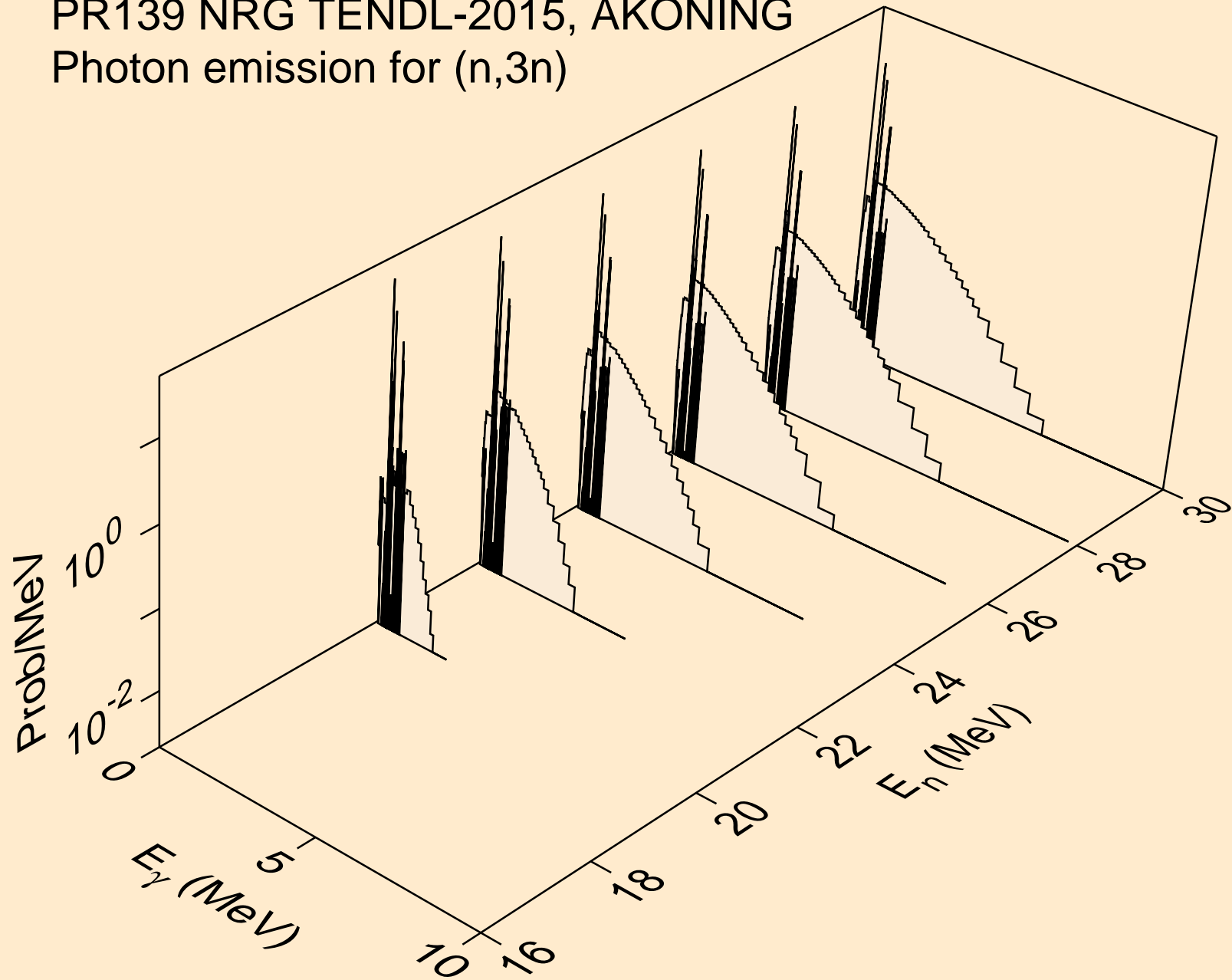
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



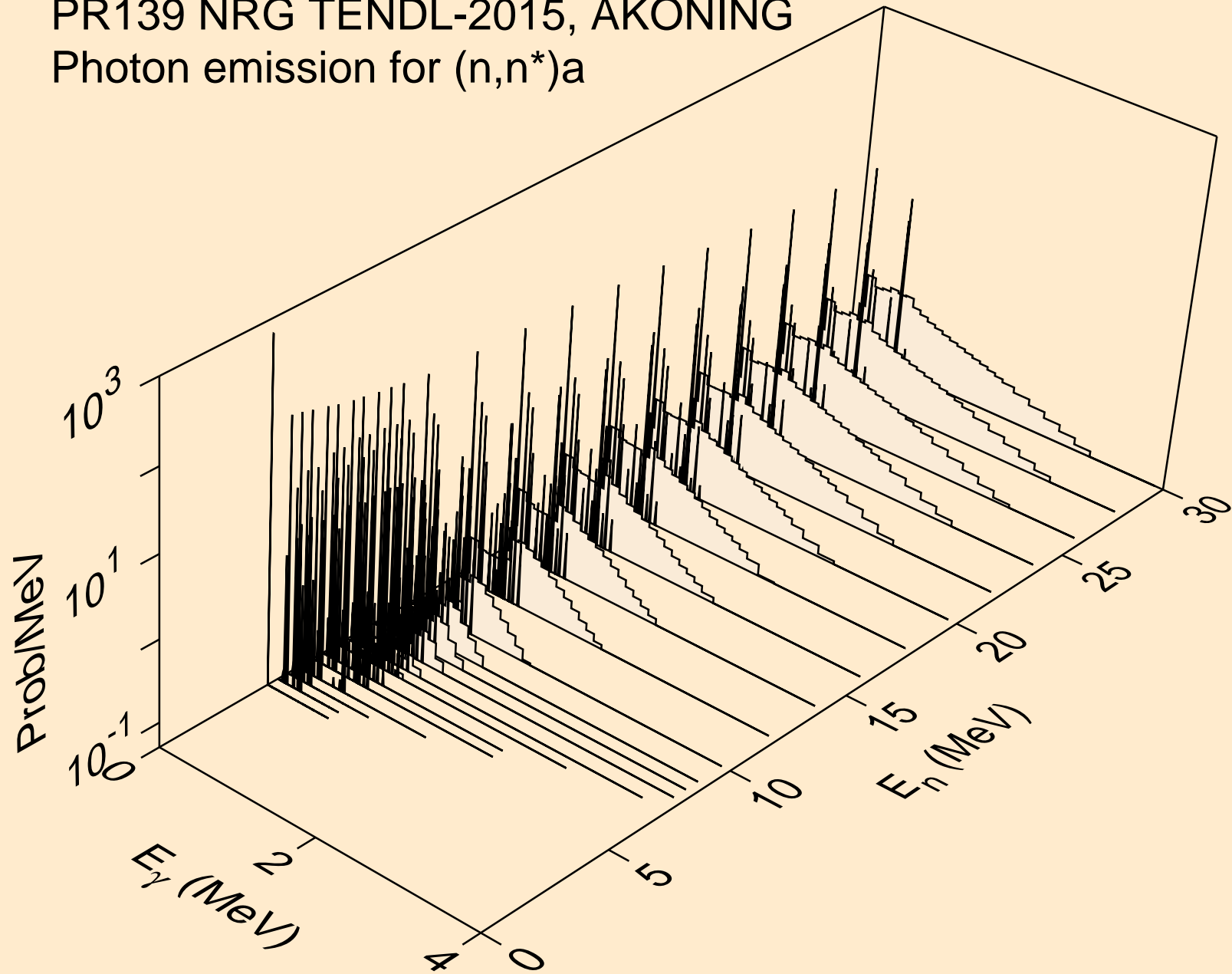
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



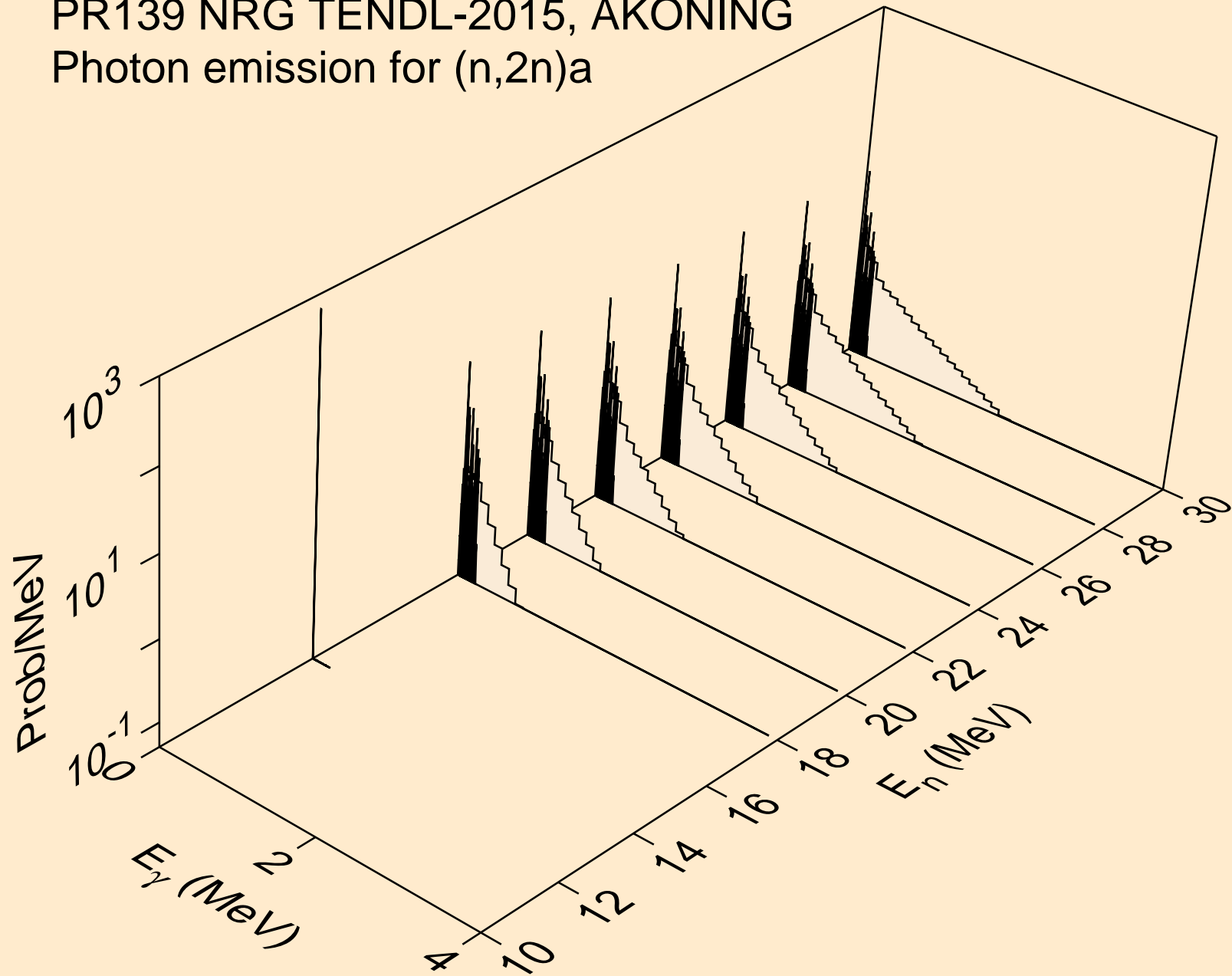
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

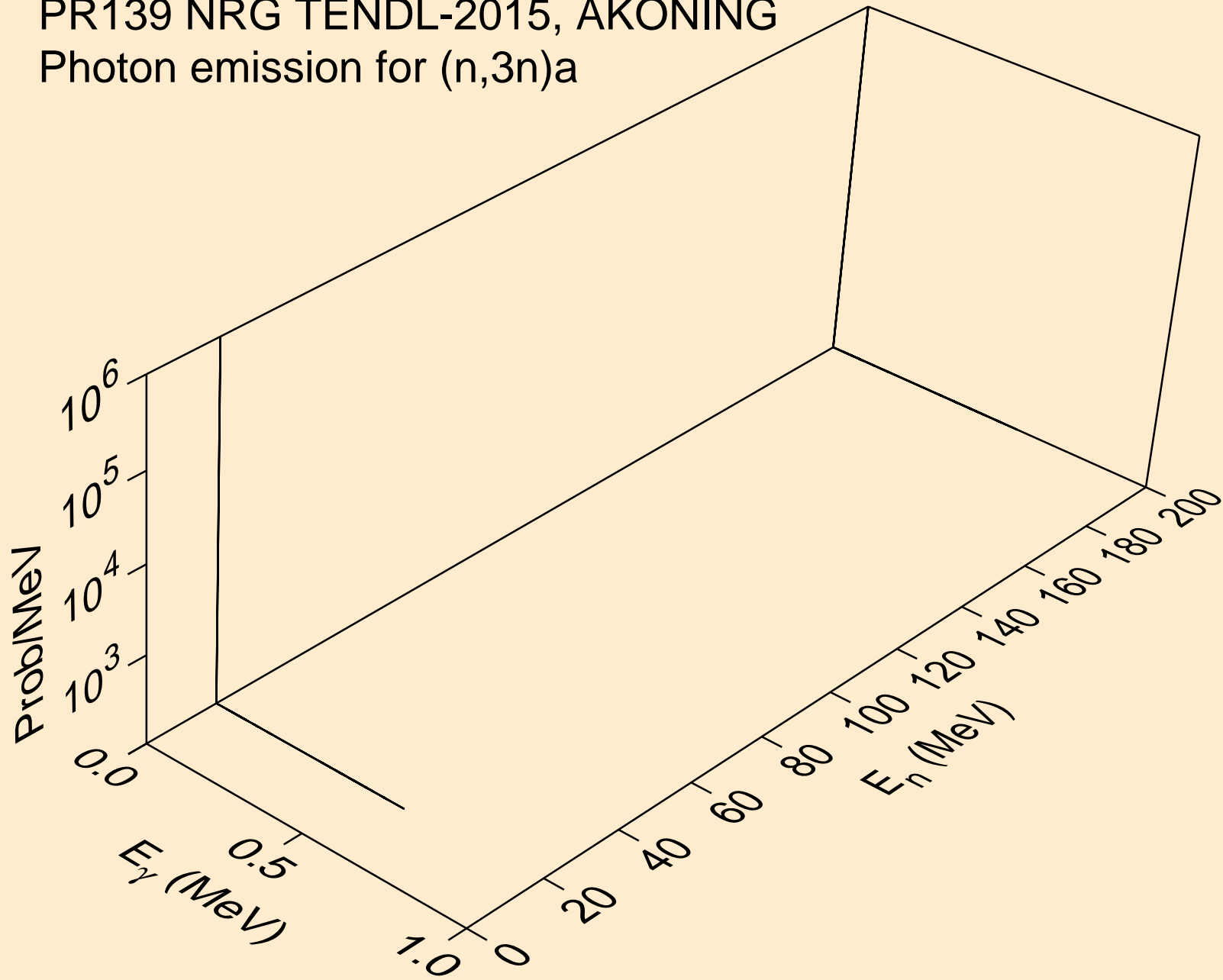


PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

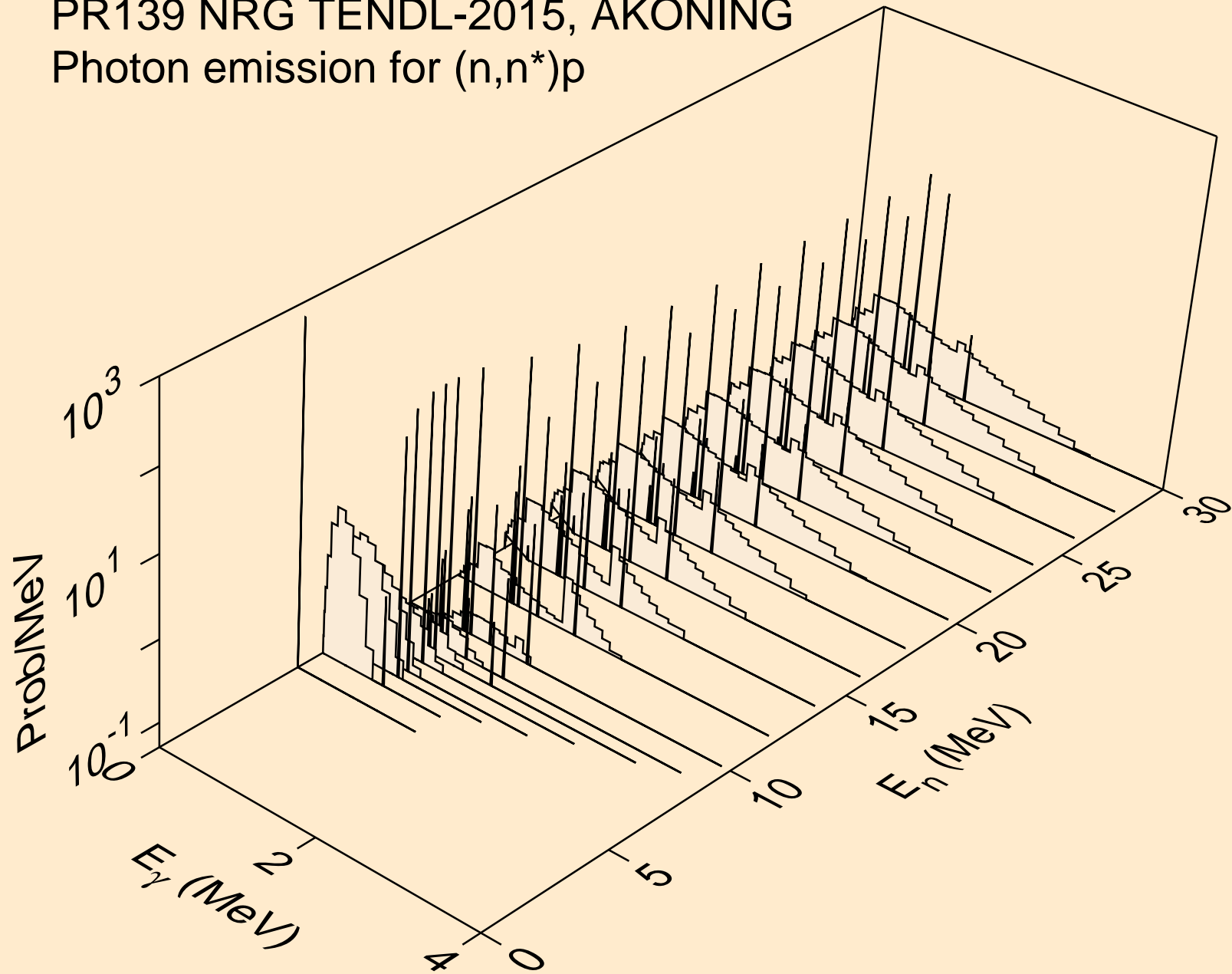




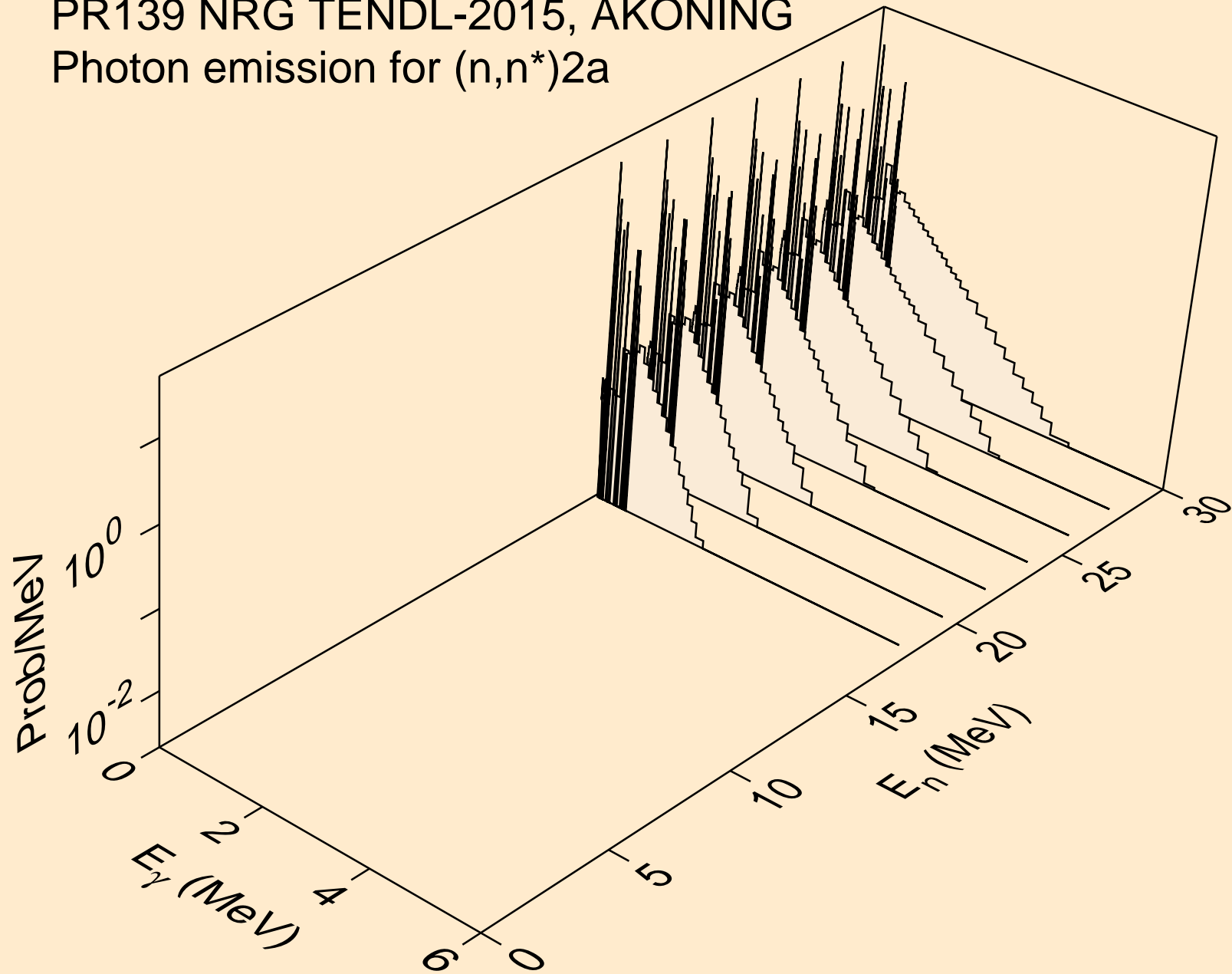
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



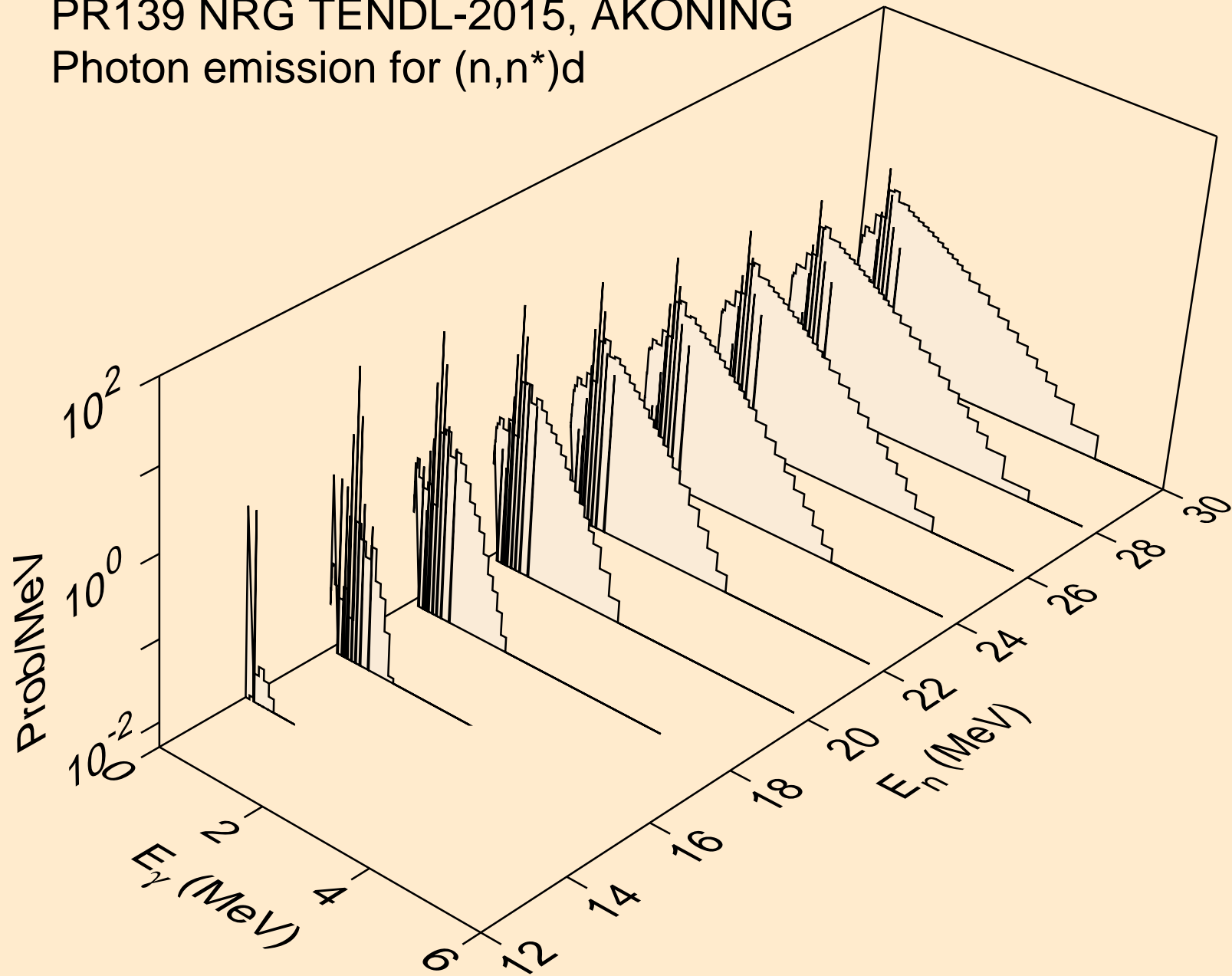
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



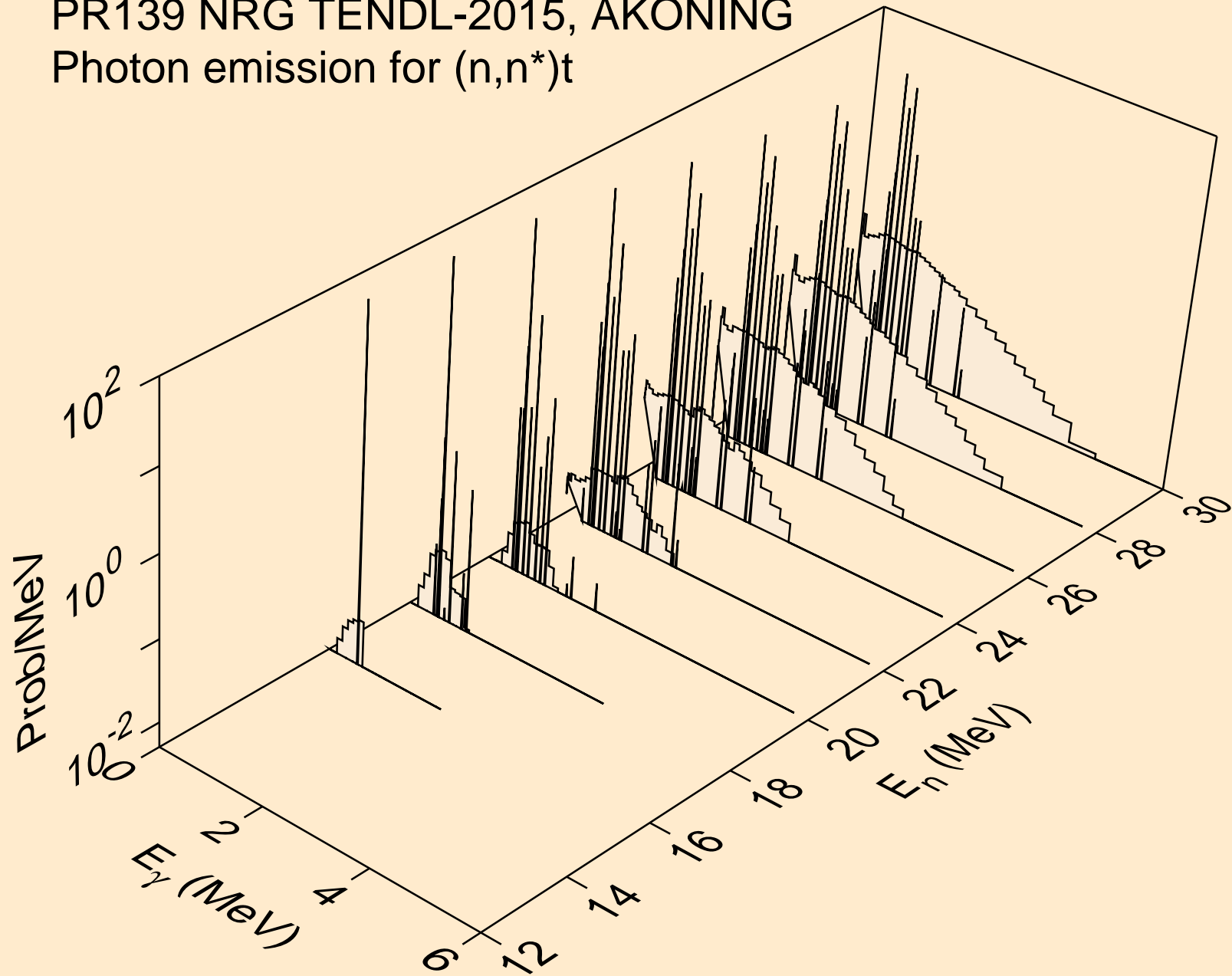
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



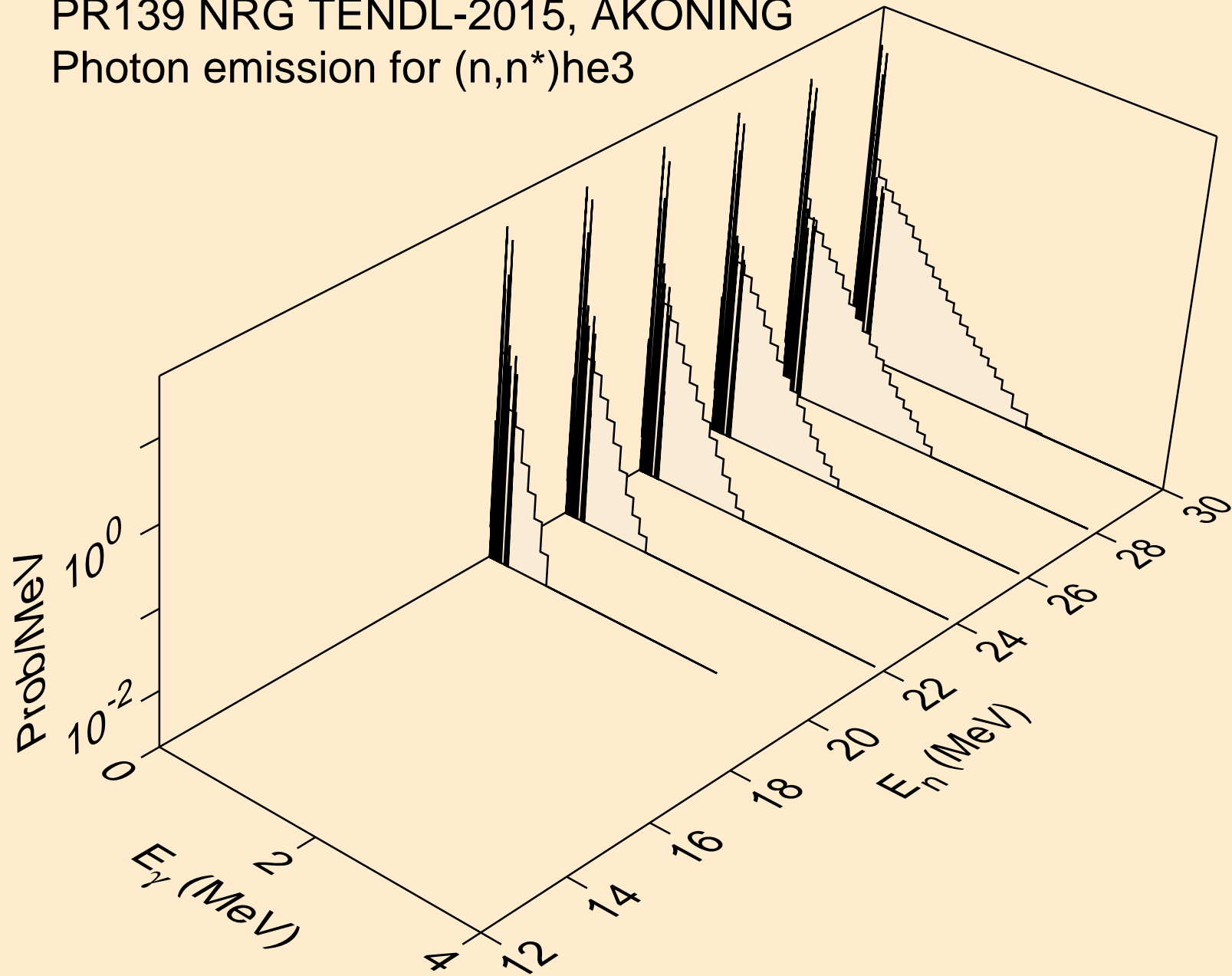
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



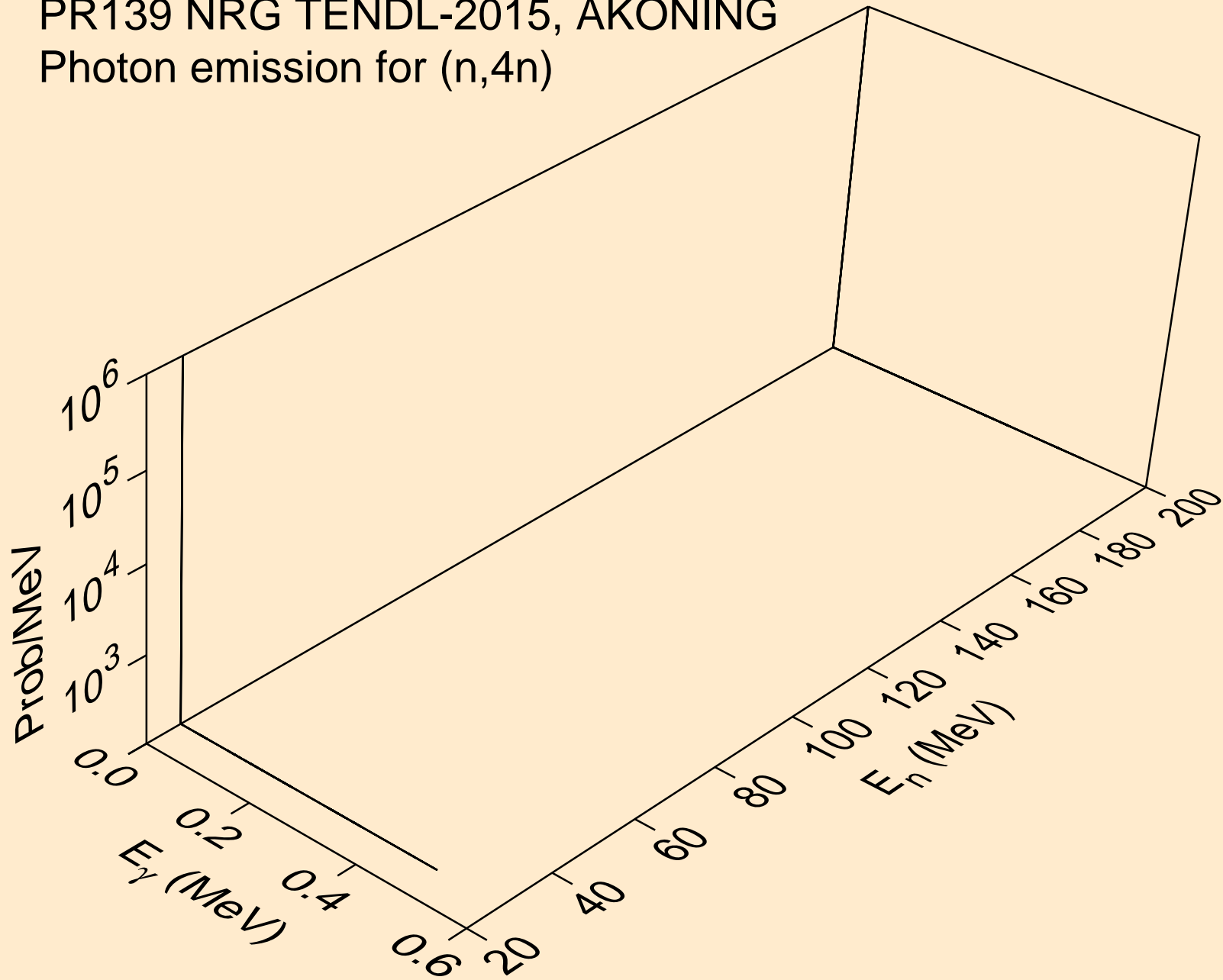
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



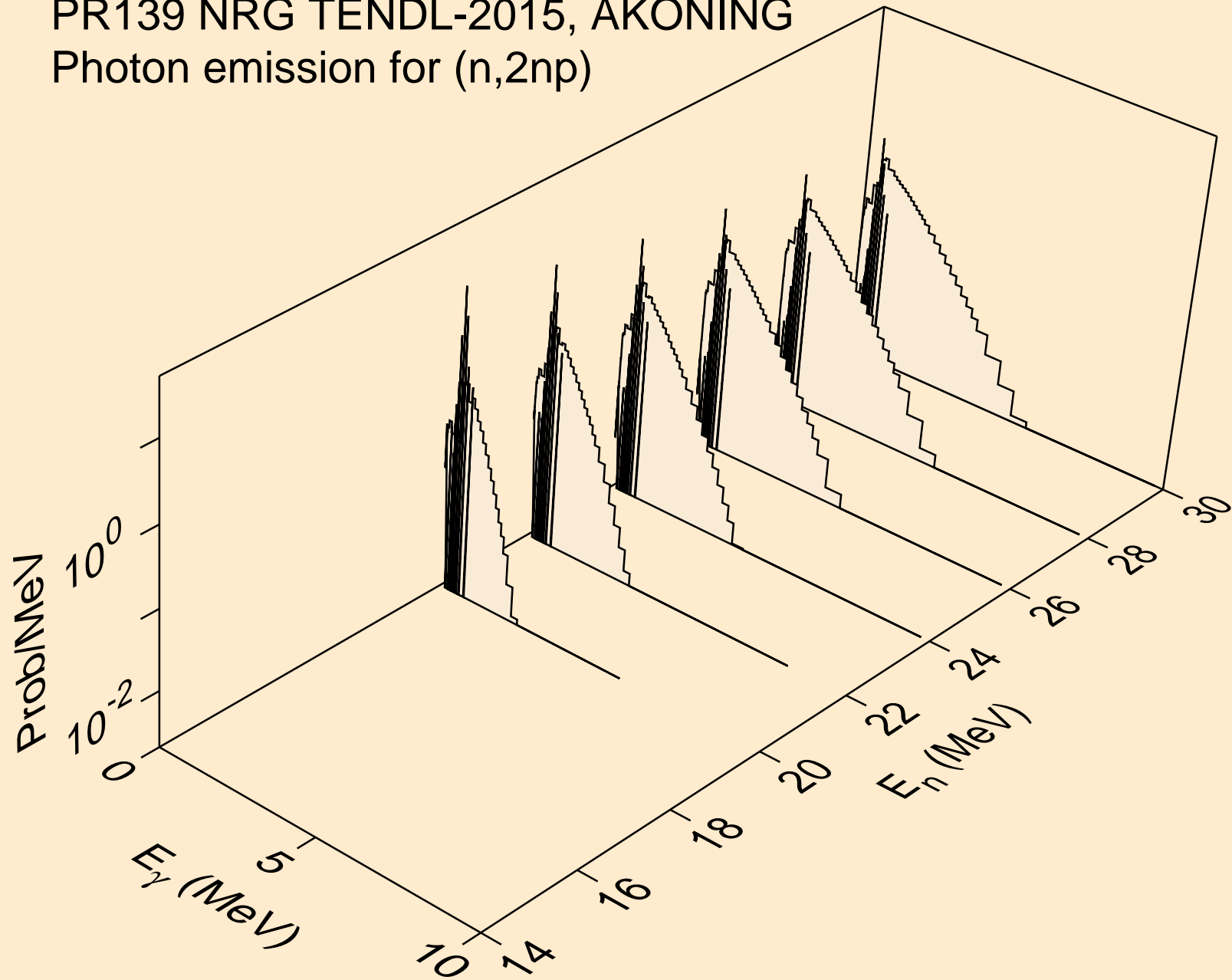
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

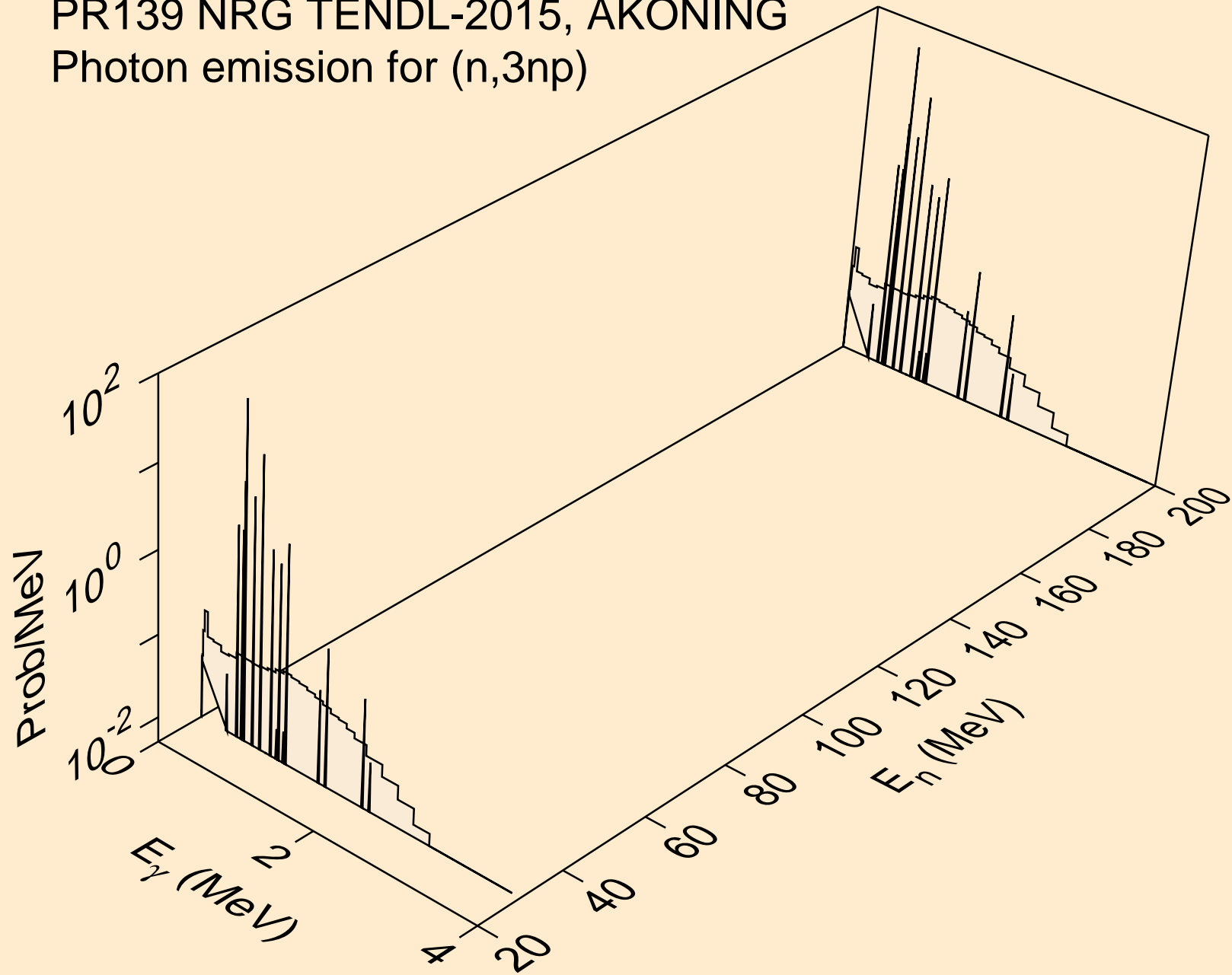


PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

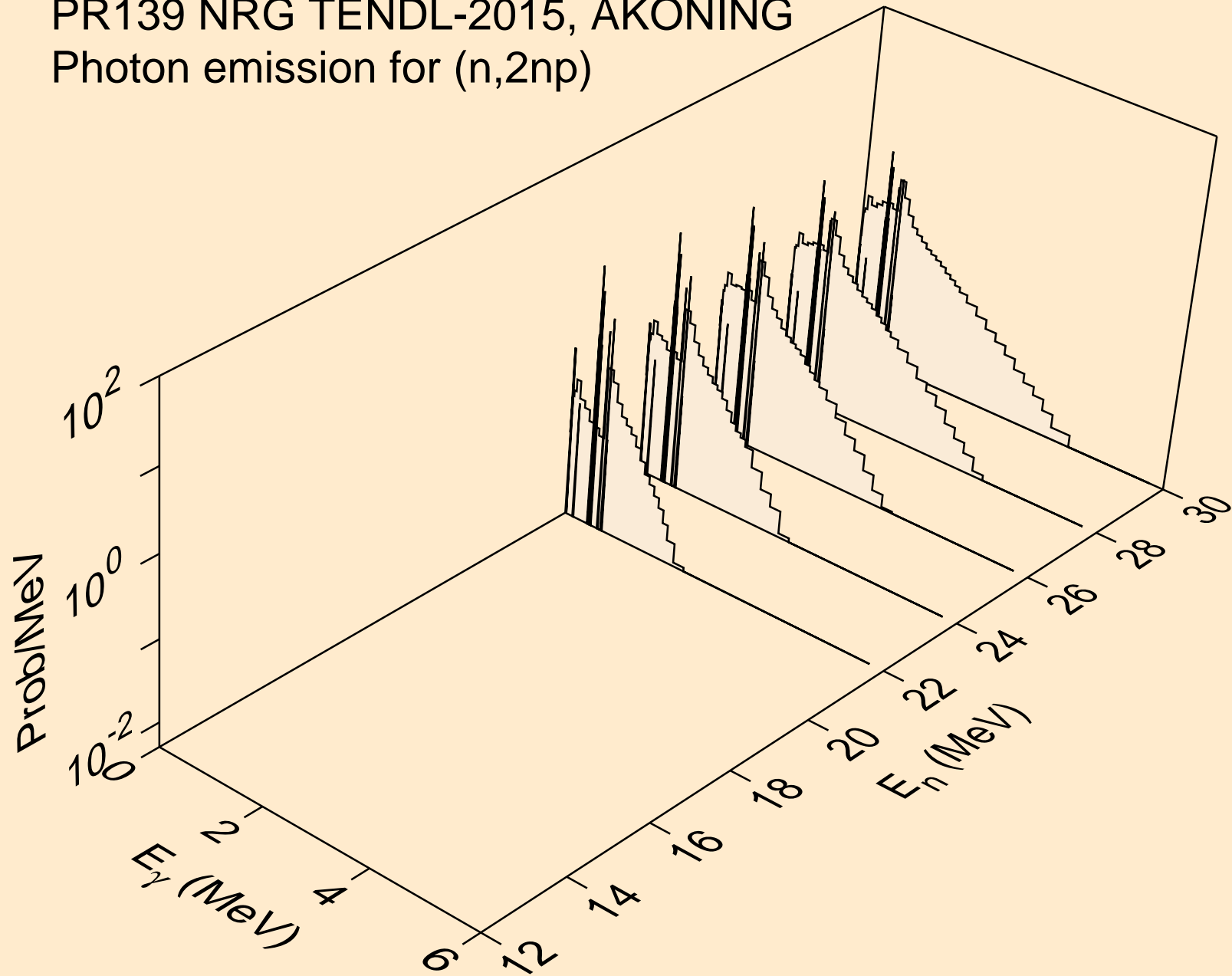




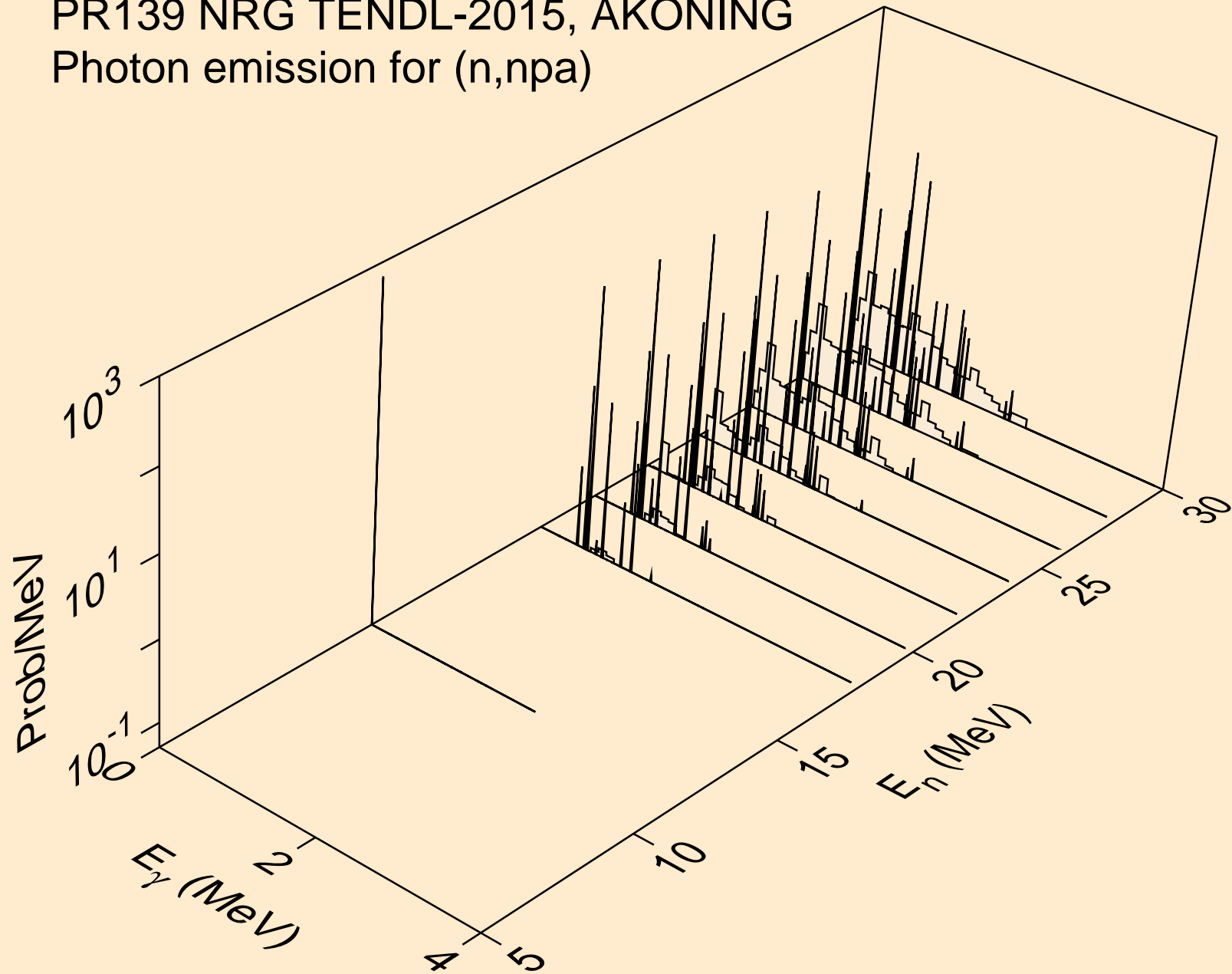
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



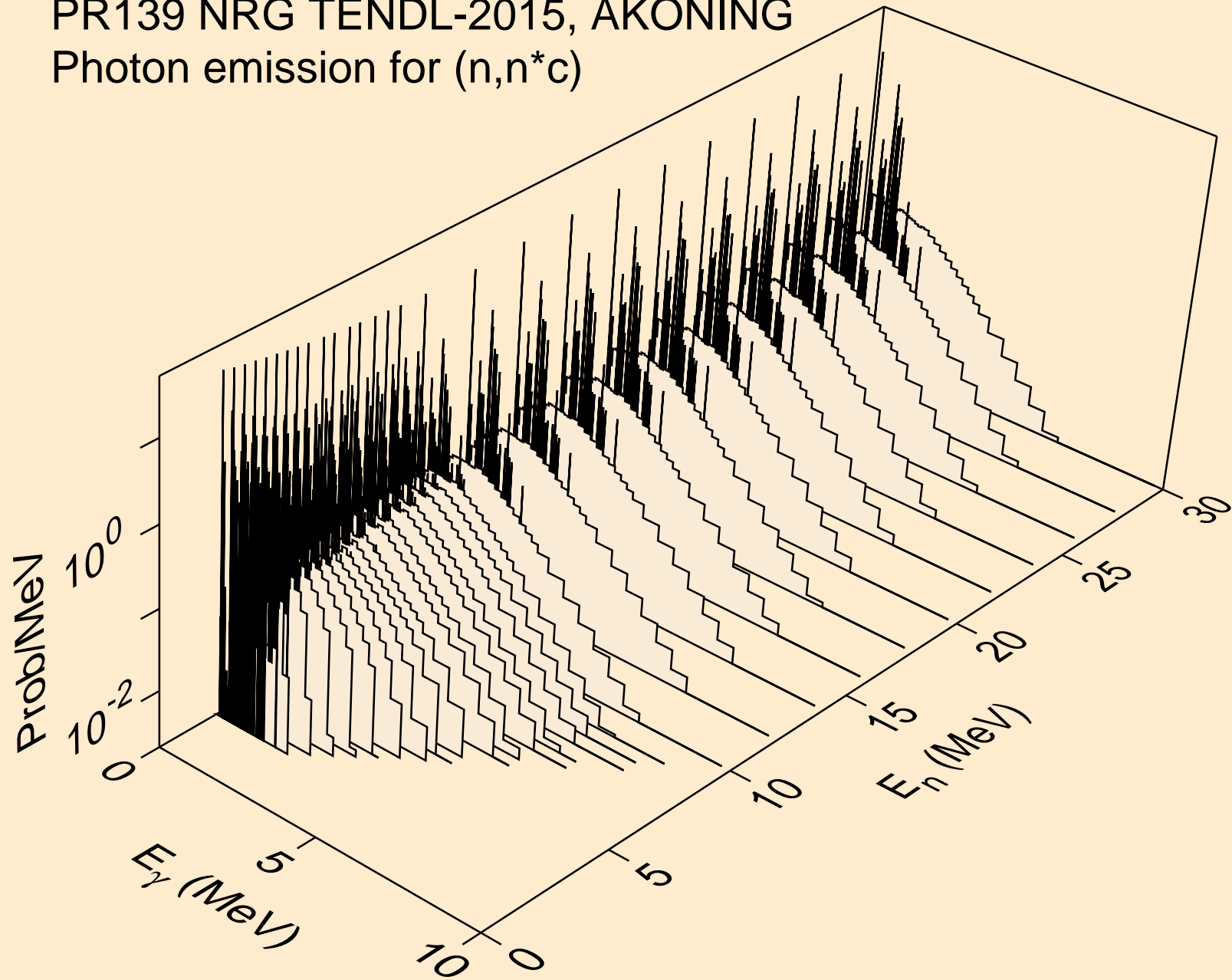
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



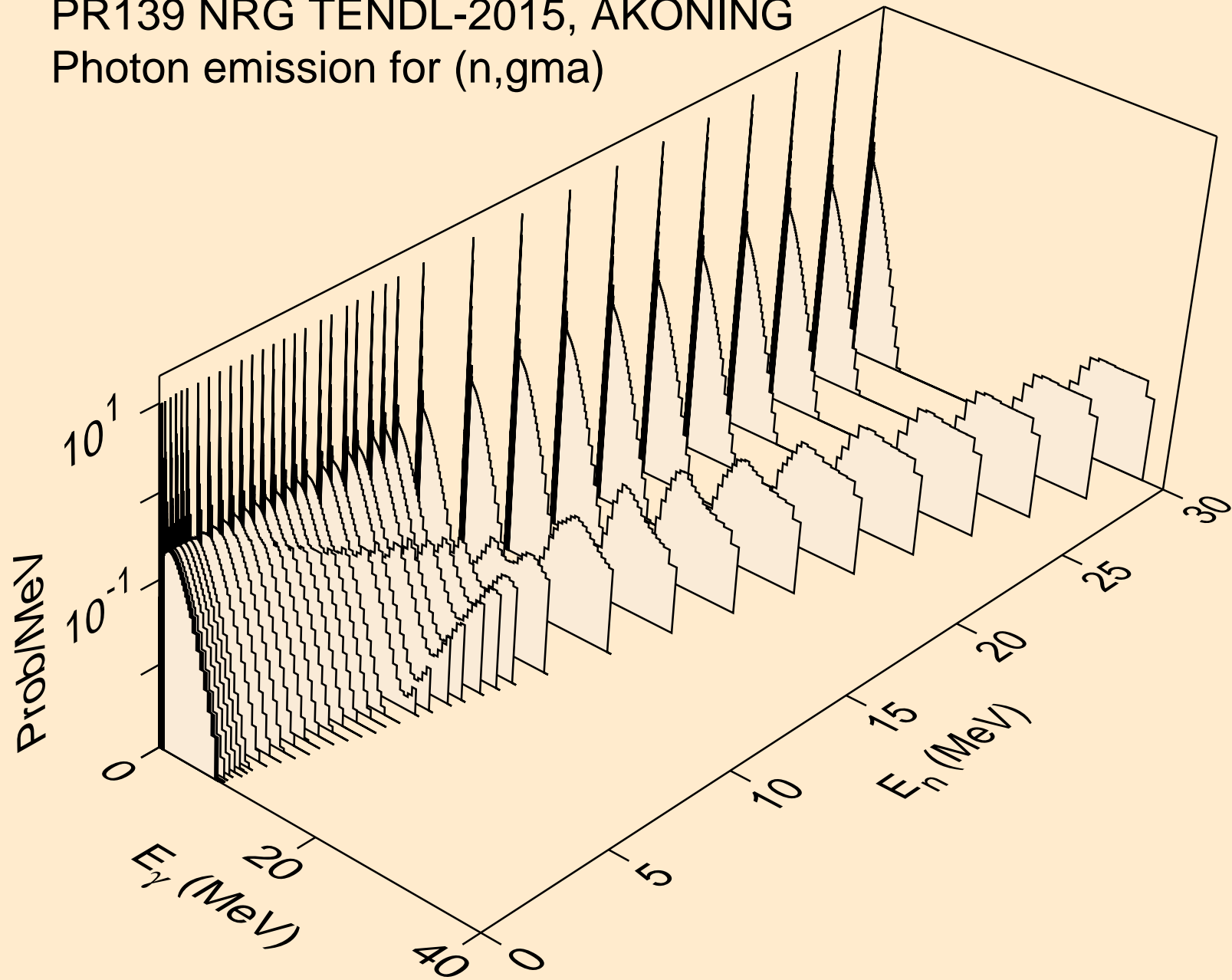
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



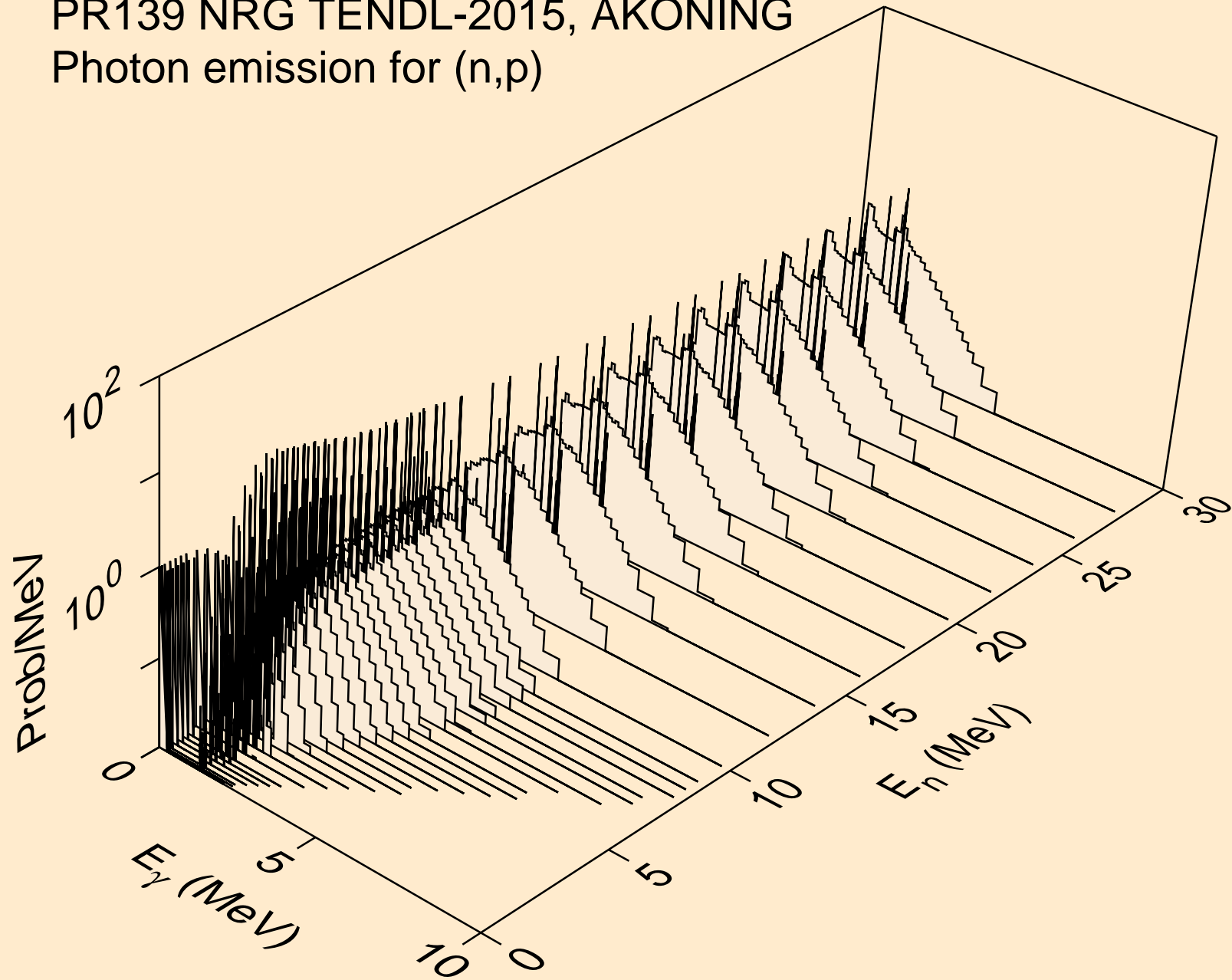
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



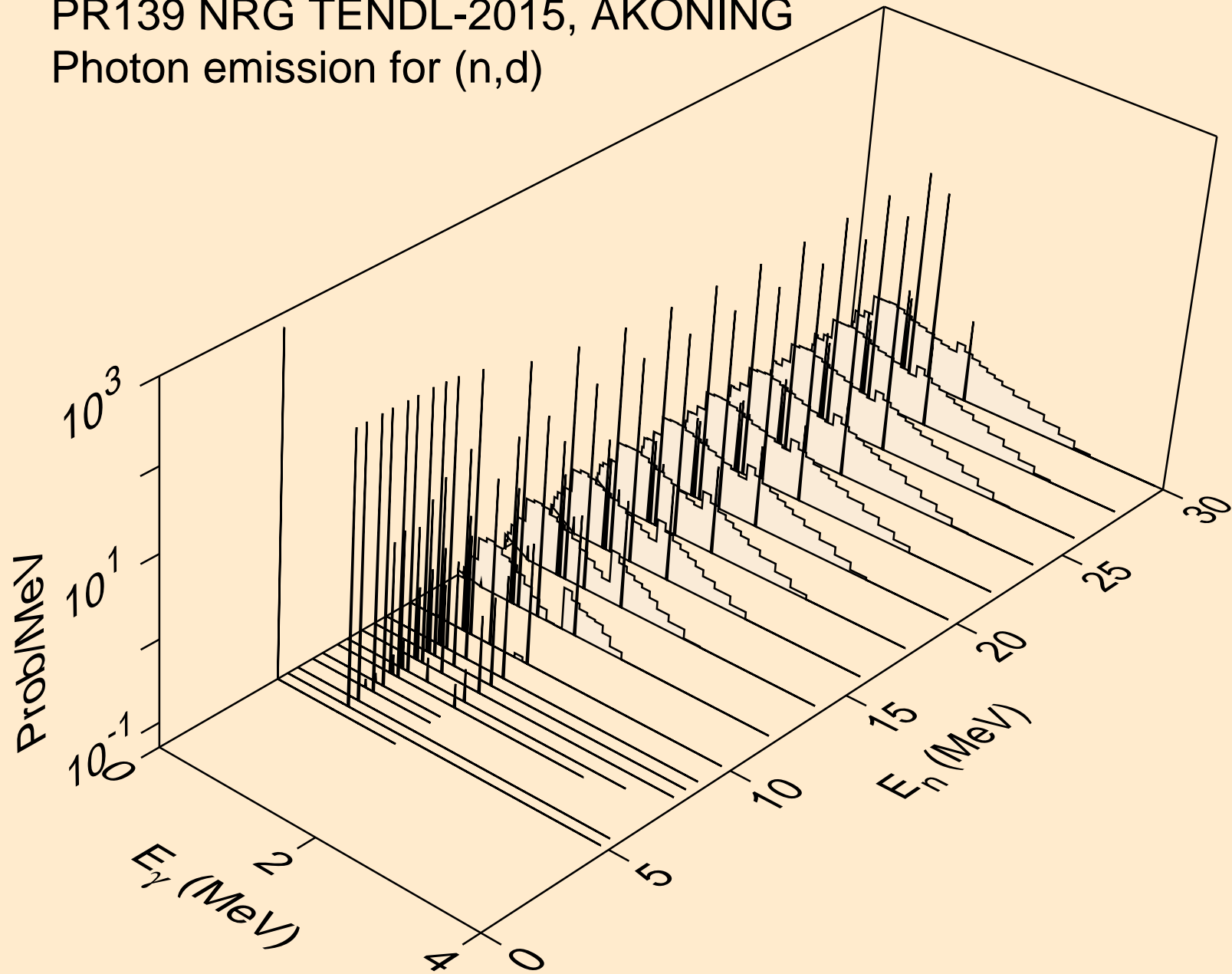
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



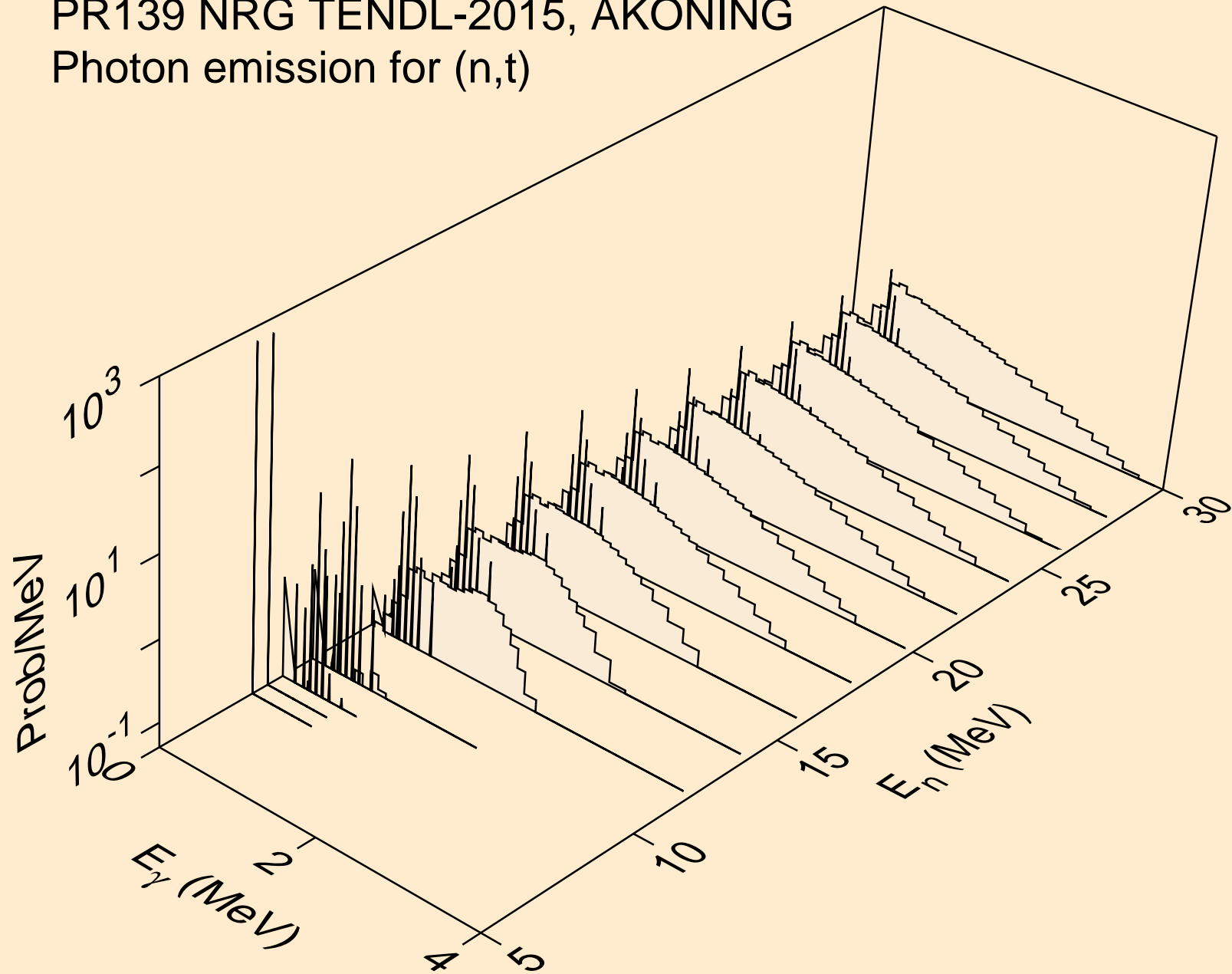
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

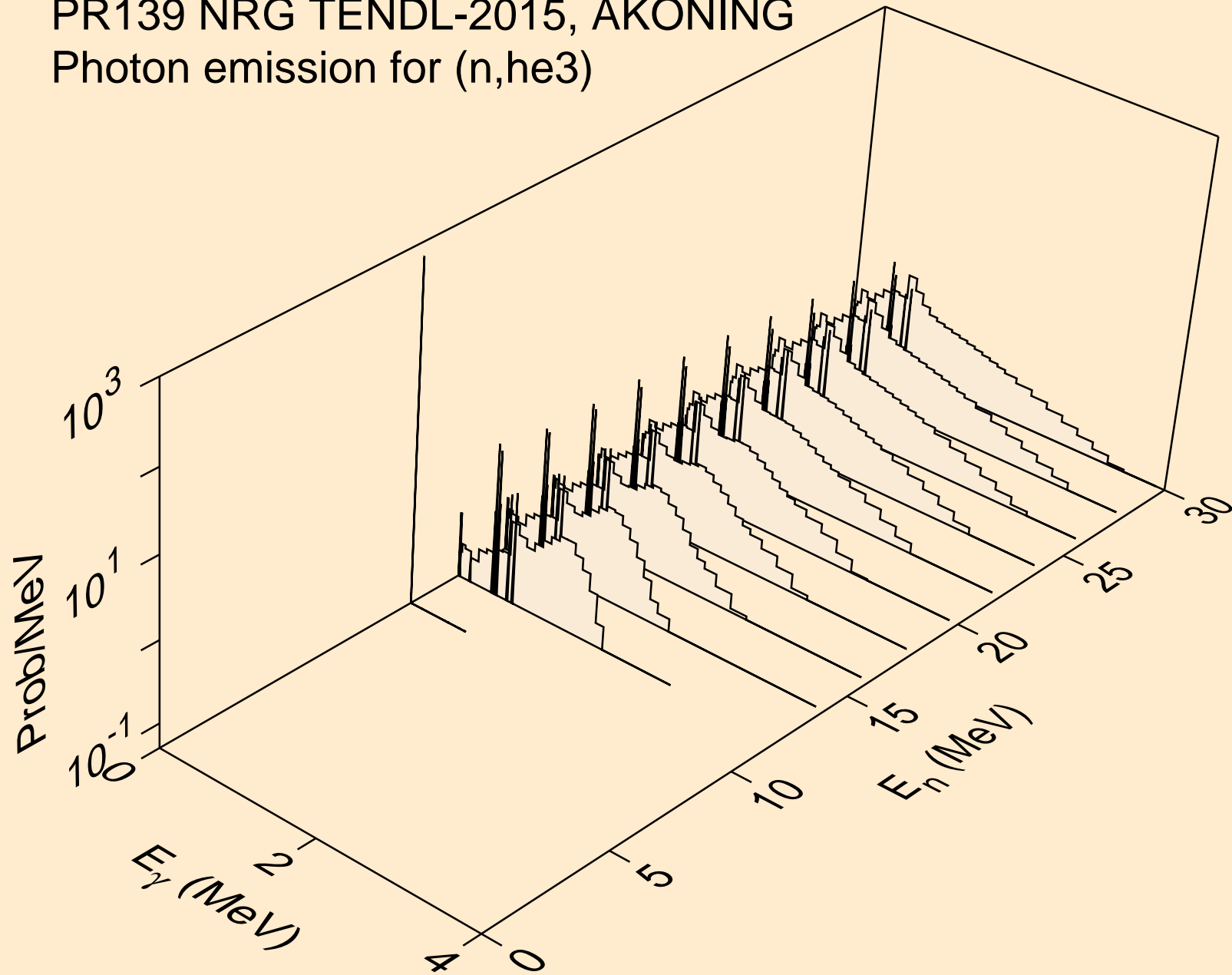


PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

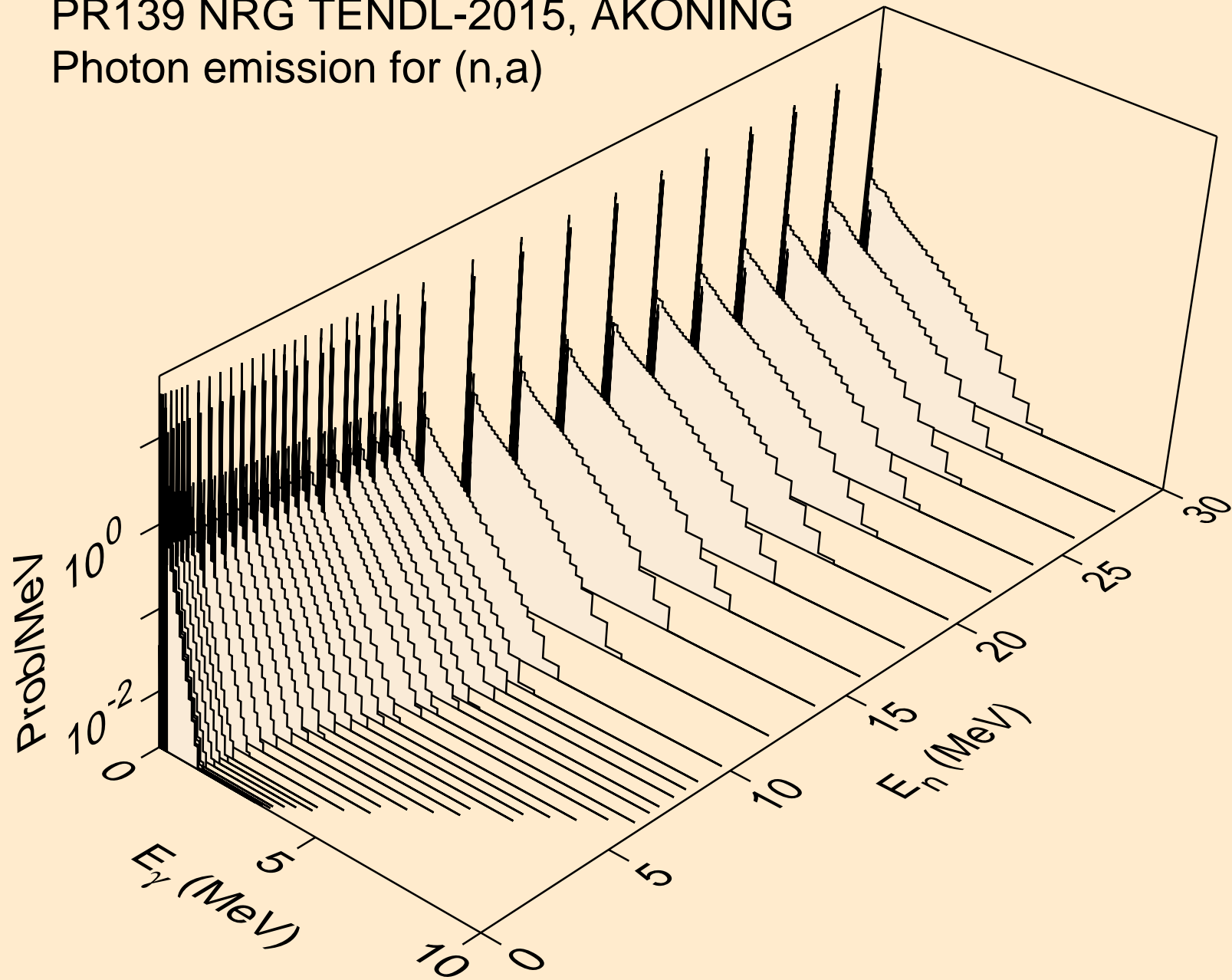




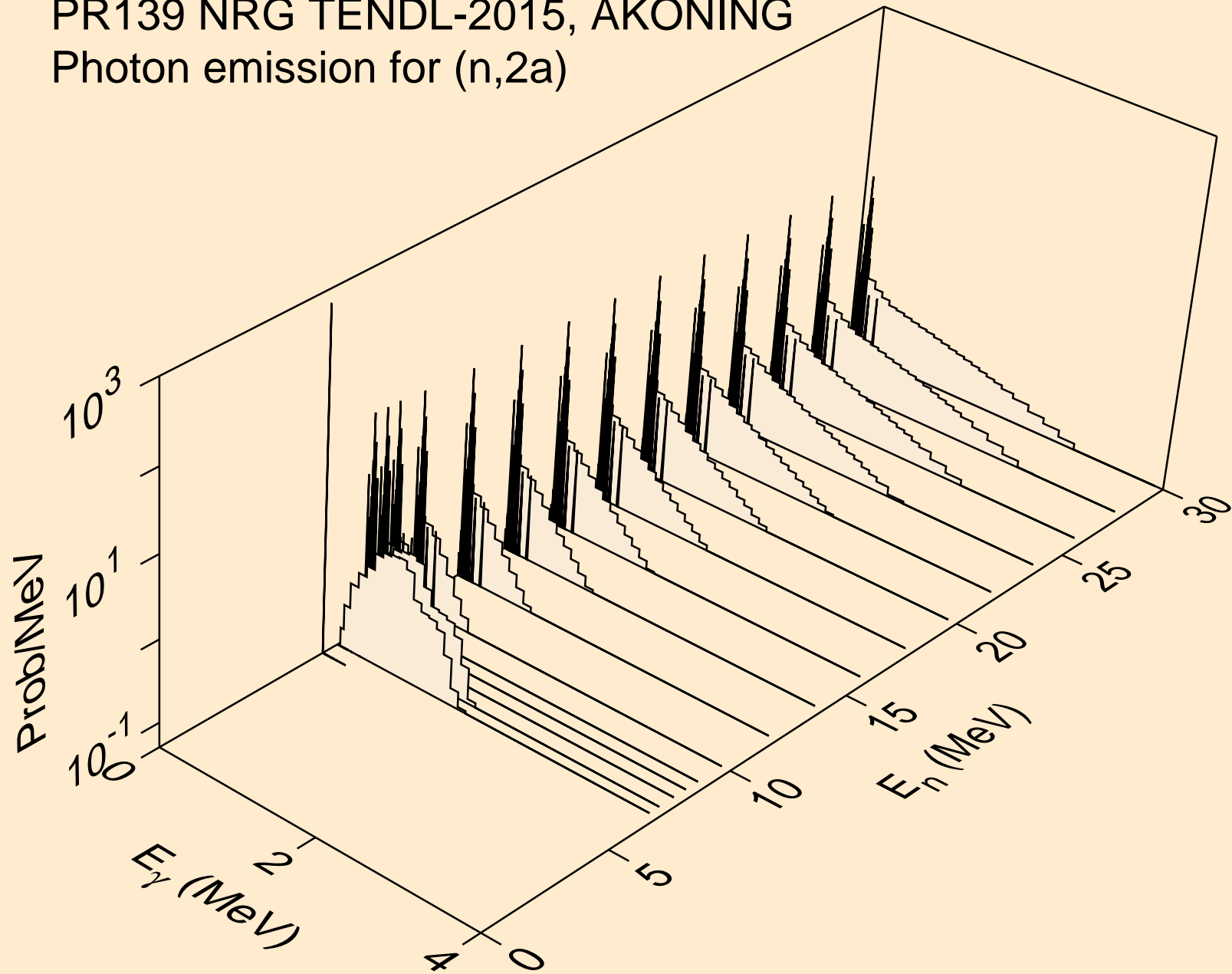
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



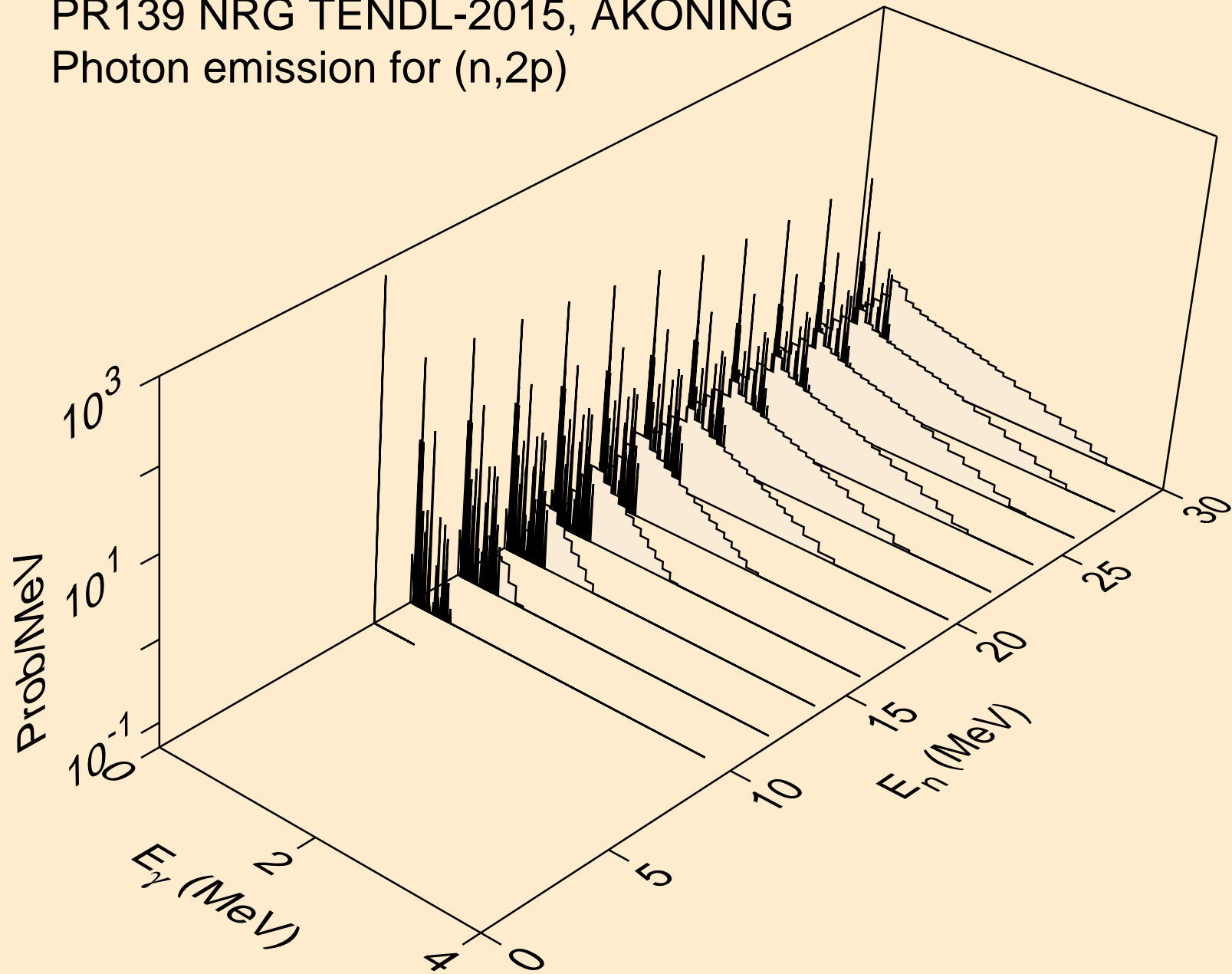
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



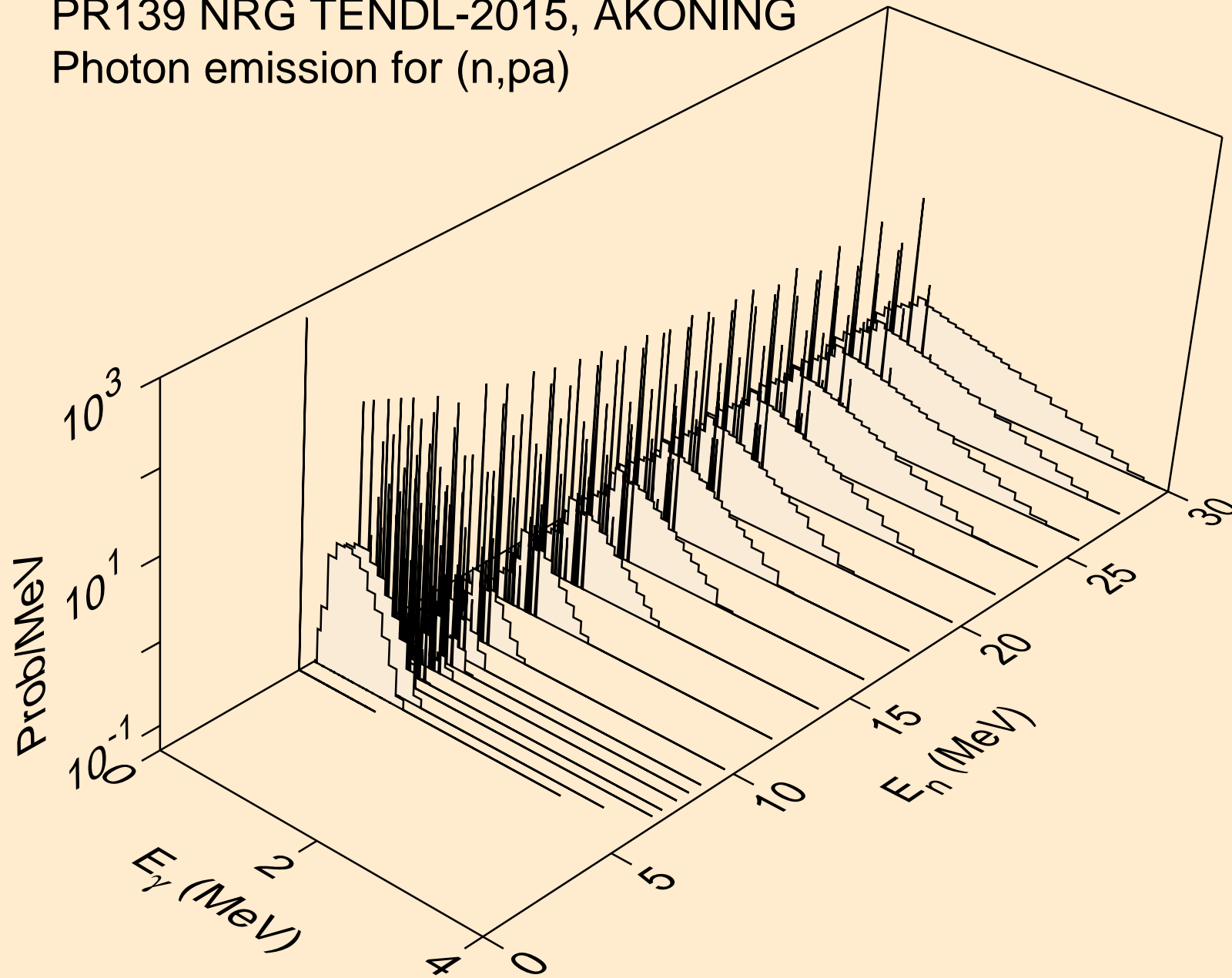
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



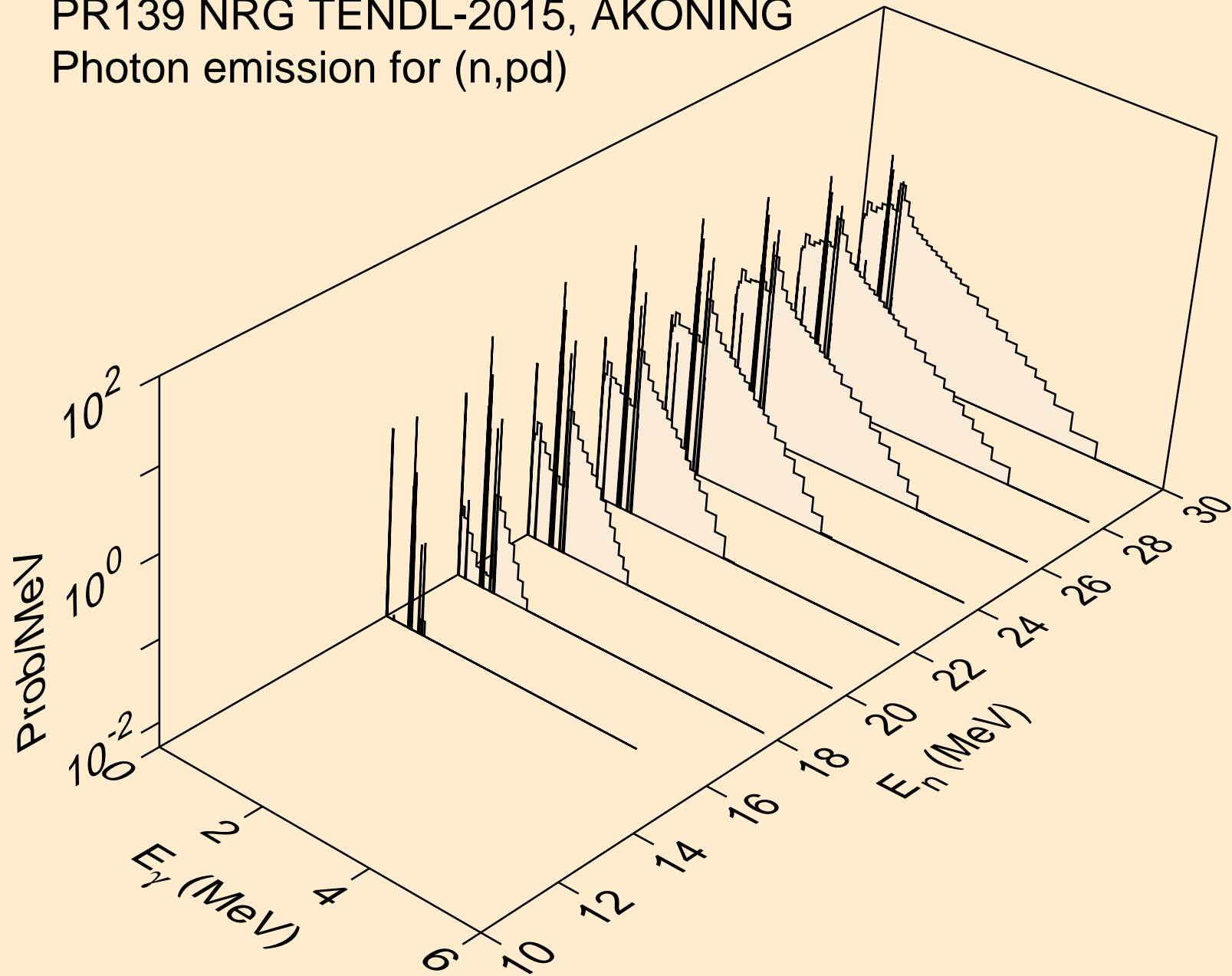
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



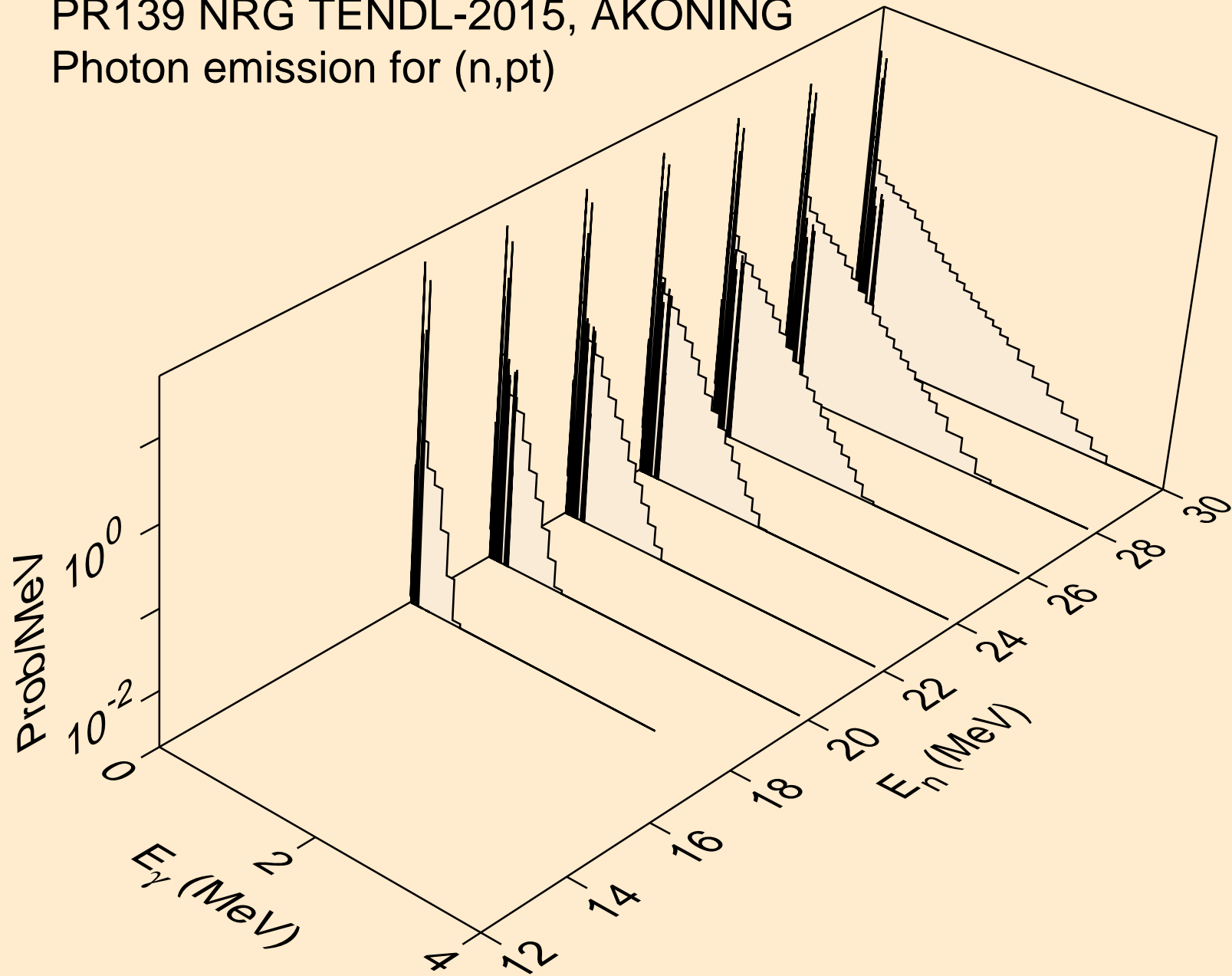
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



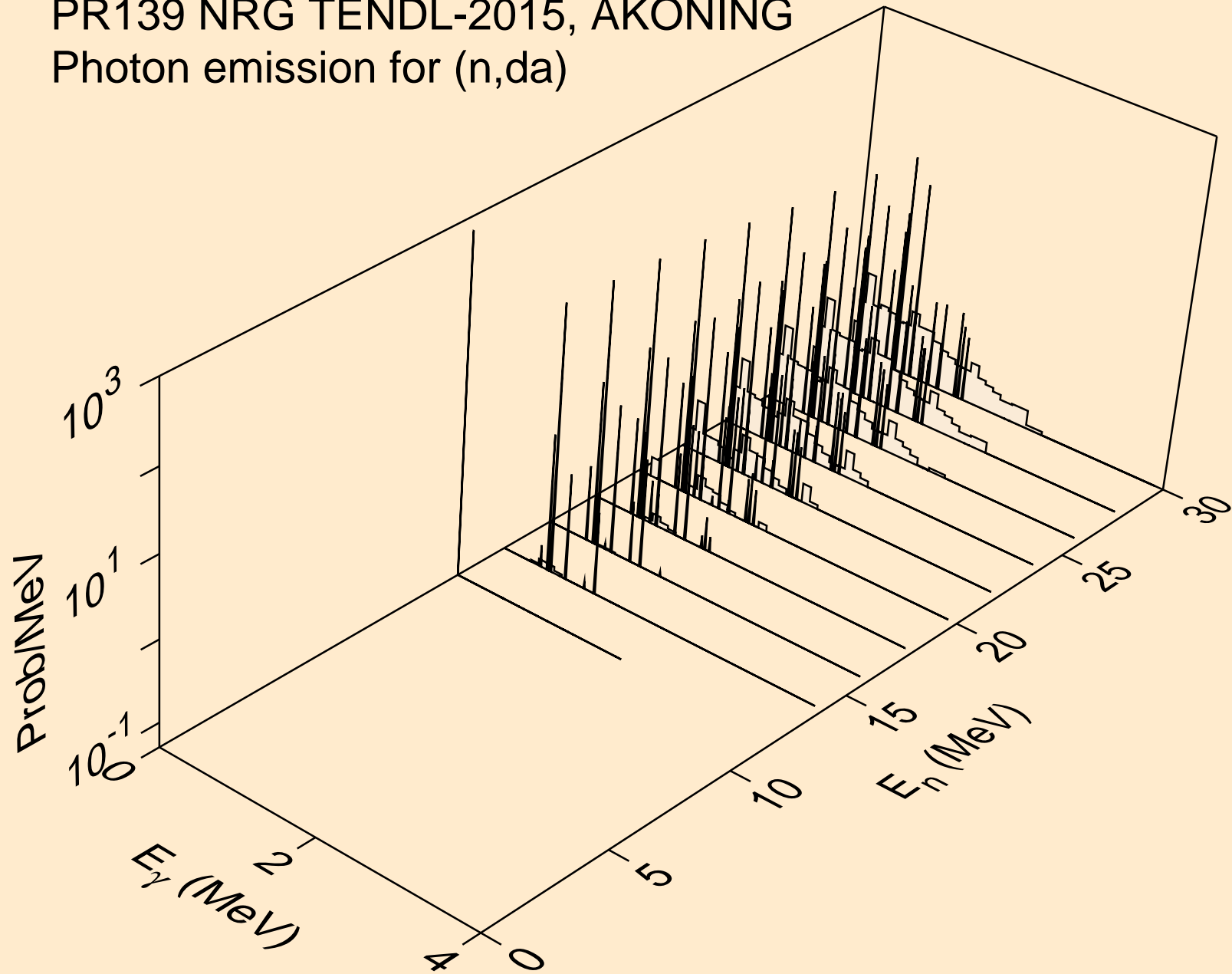
PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

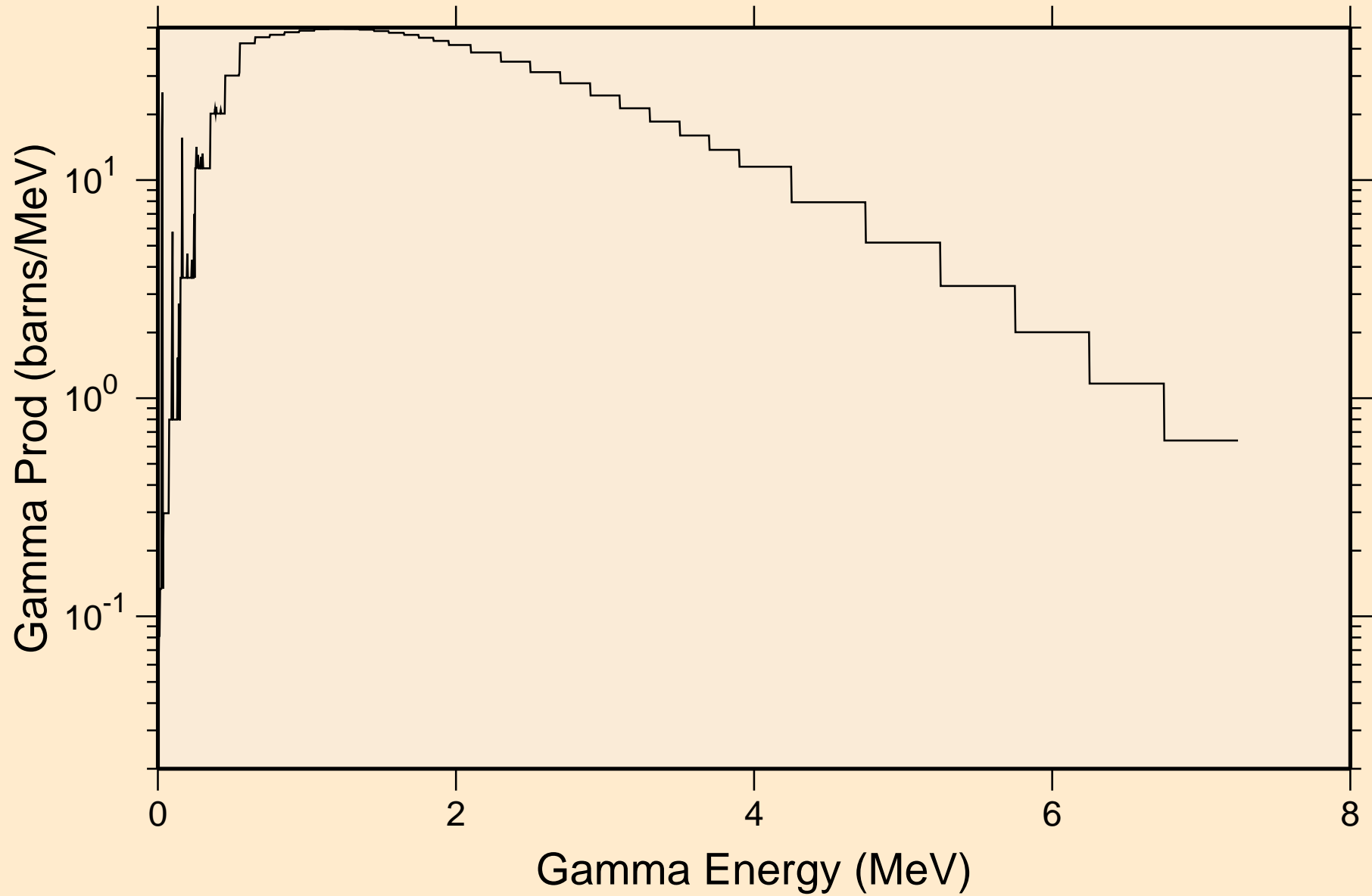


PR139 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

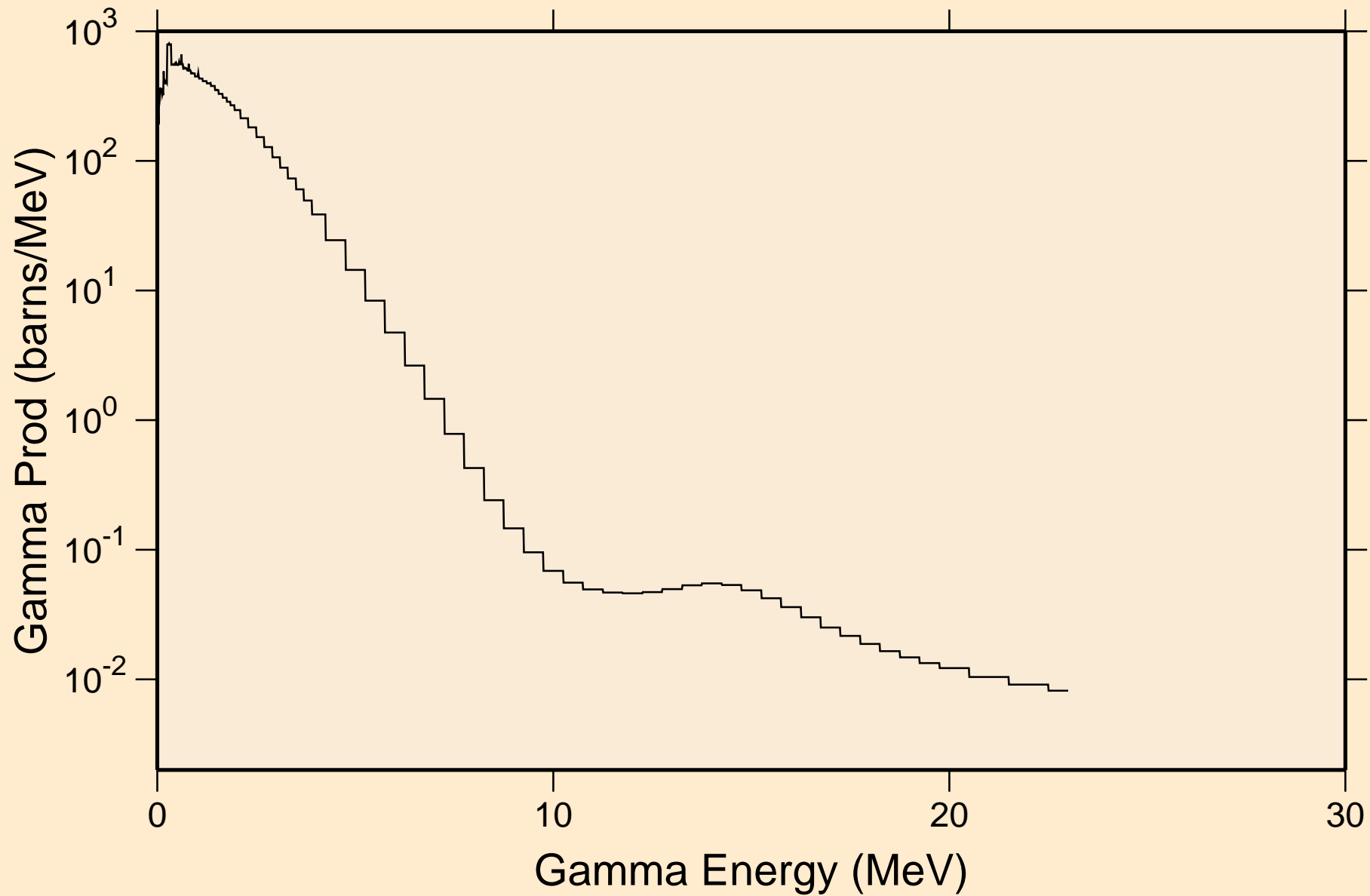




PR139 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

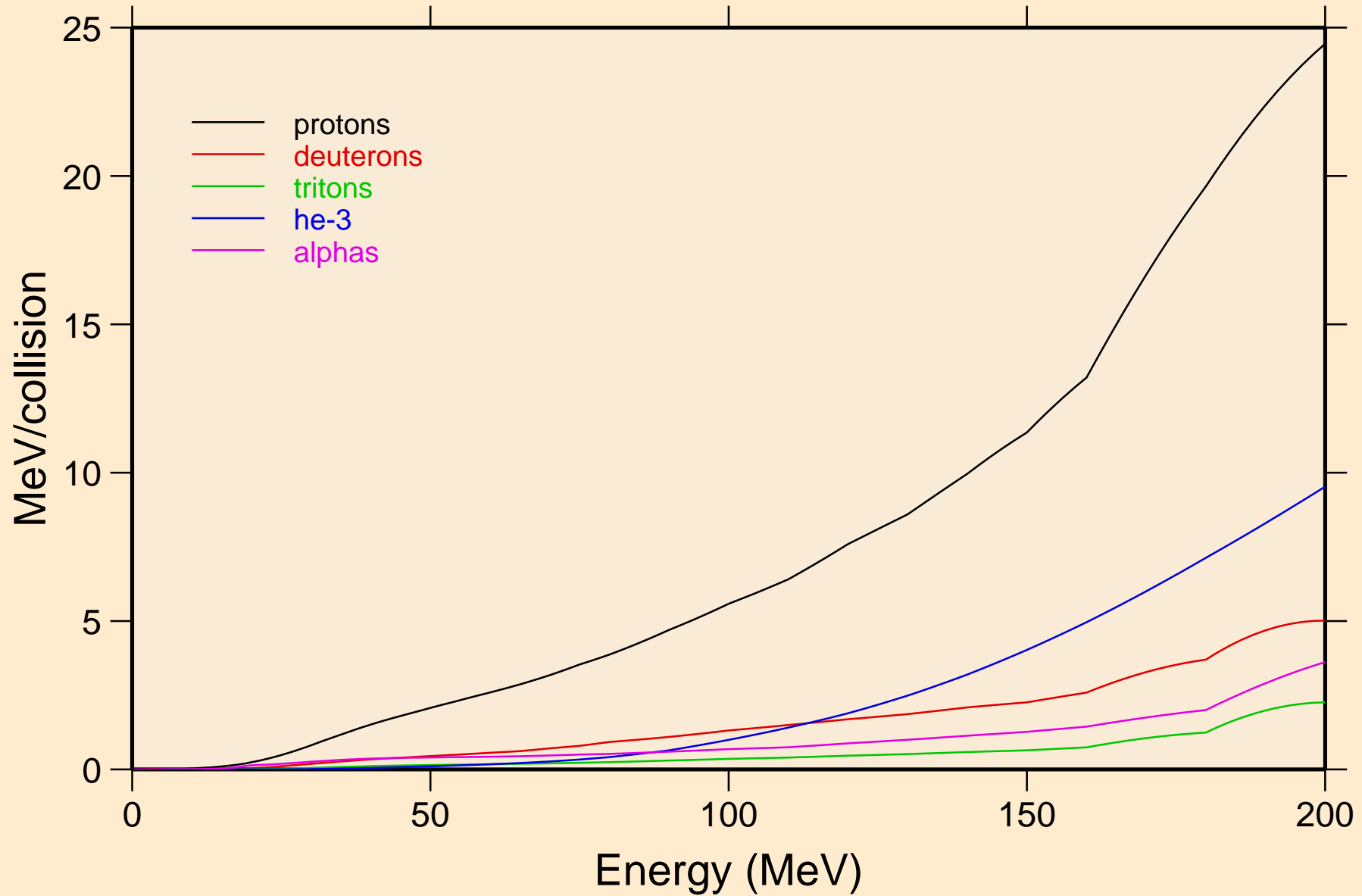


PR139 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



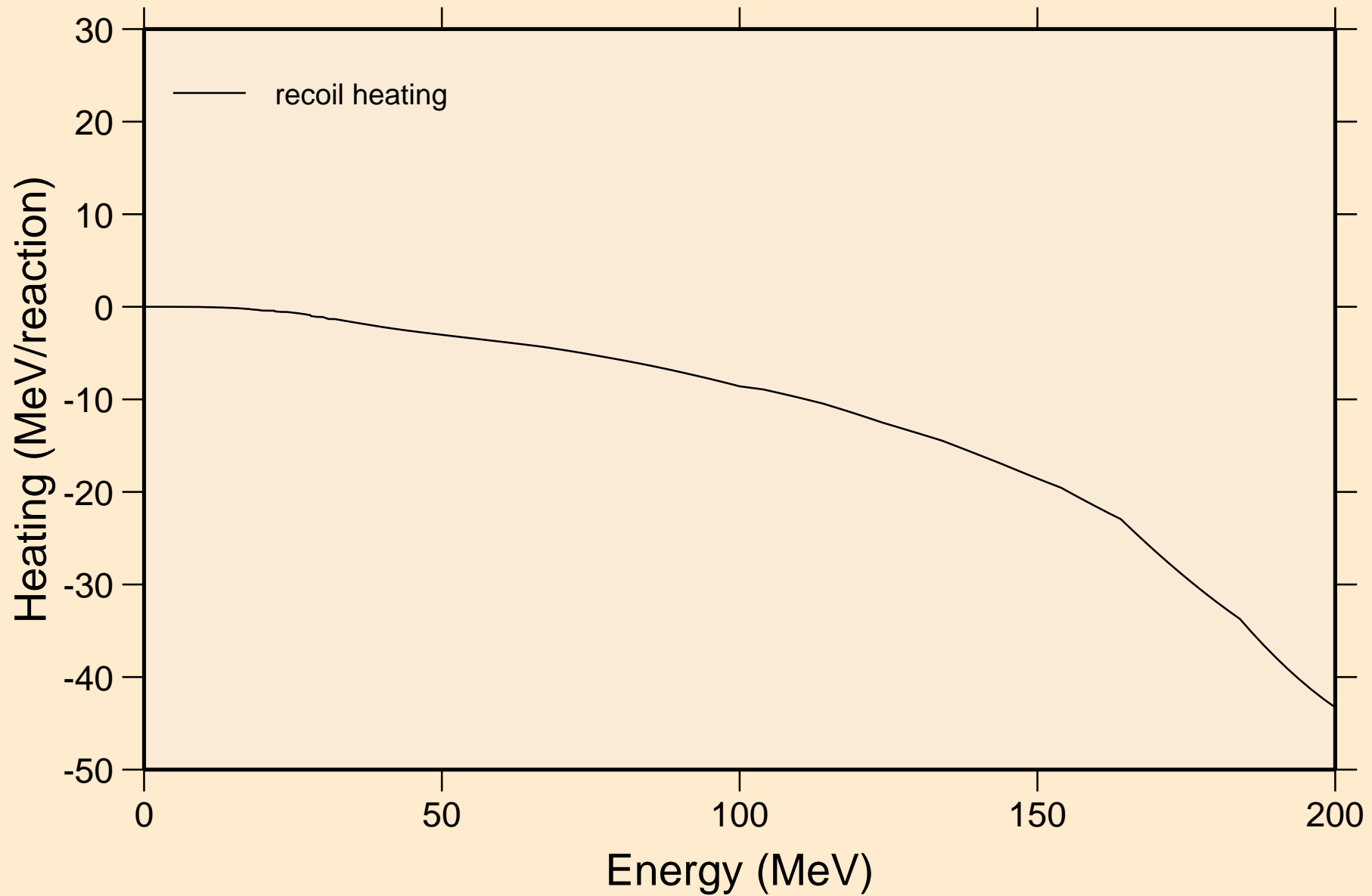
# PR139 NRG TENDL-2015, AKONING

## Particle heating contributions



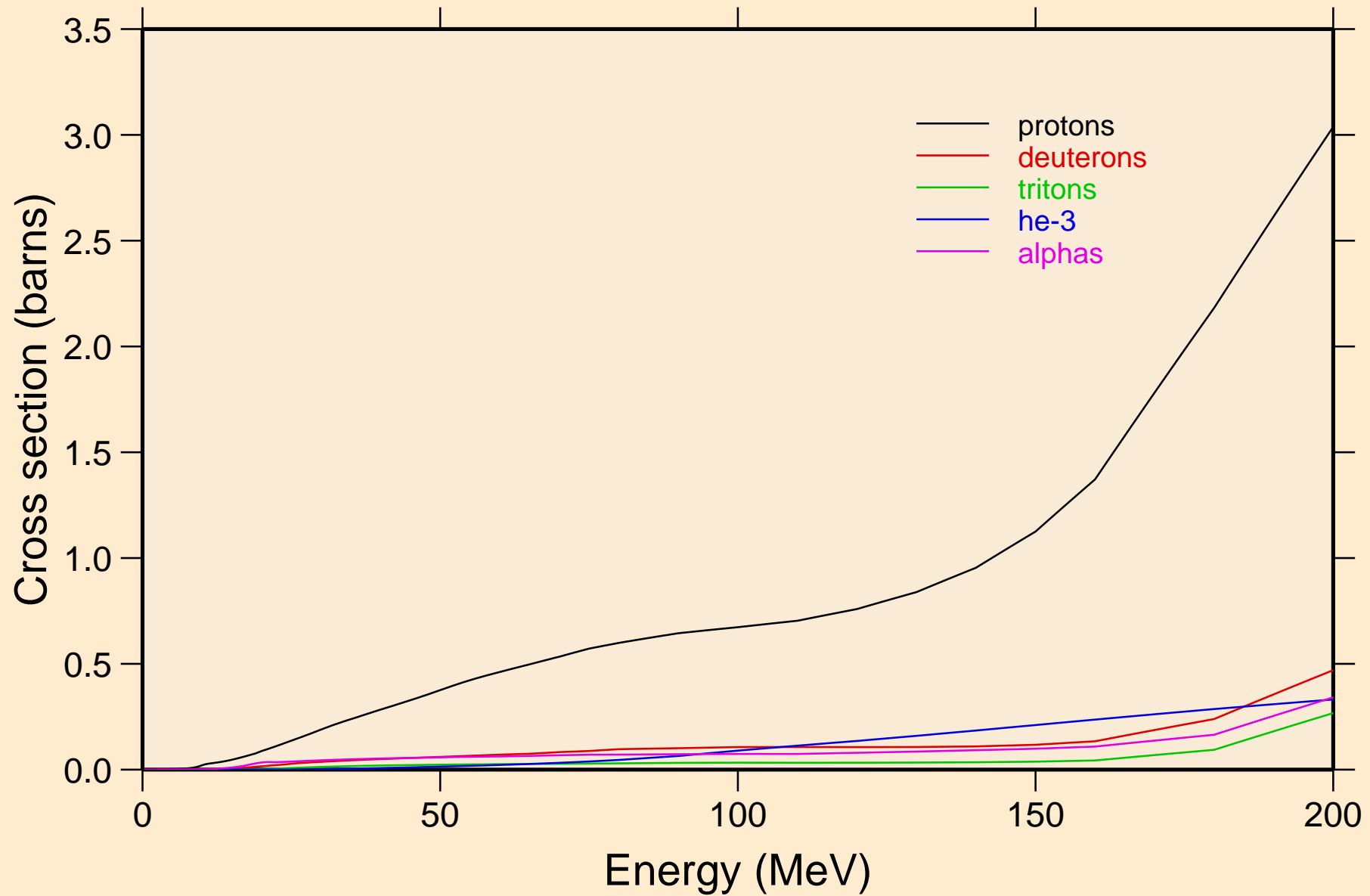
# PR139 NRG TENDL-2015, AKONING

## Recoil Heating

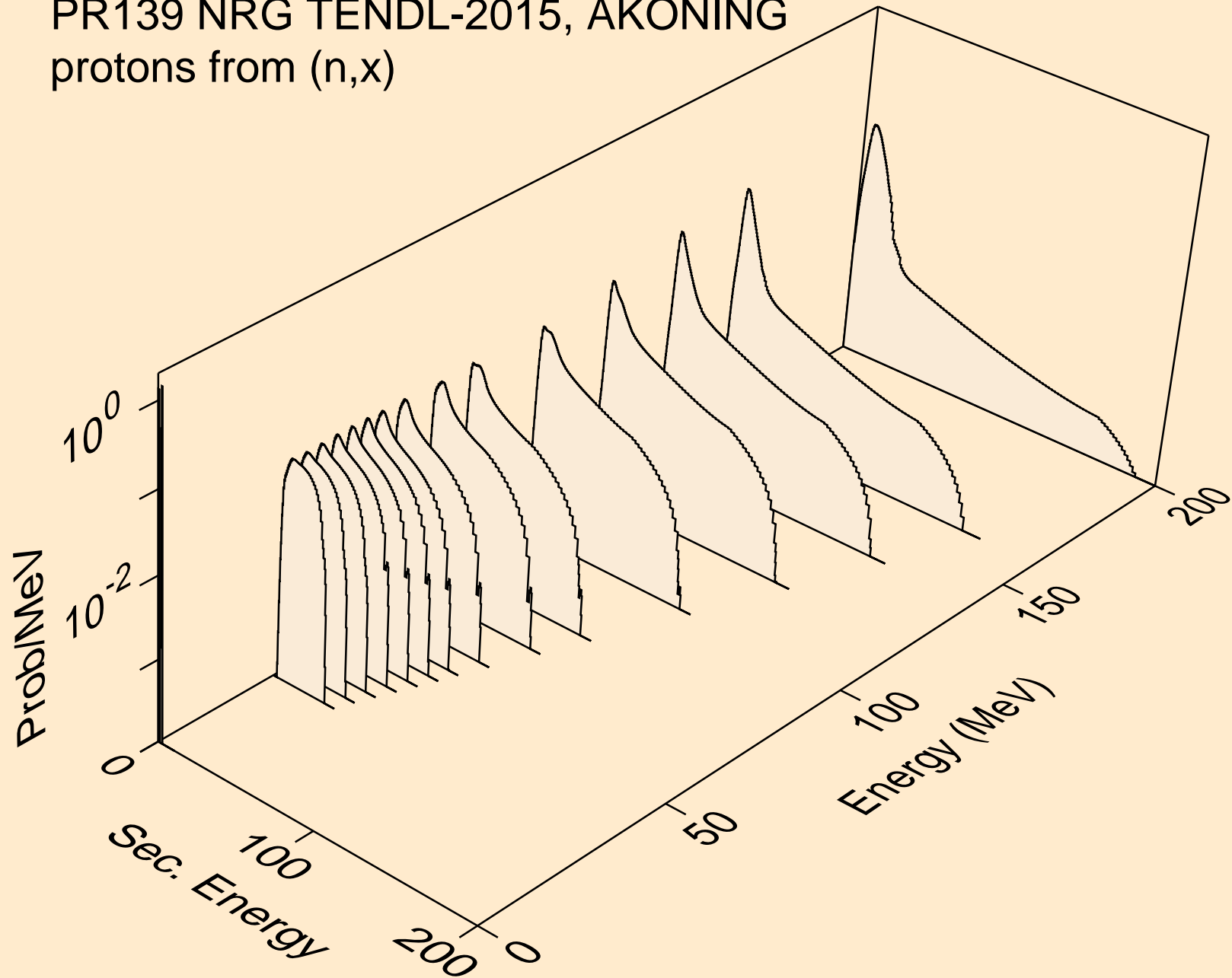


# PR139 NRG TENDL-2015, AKONING

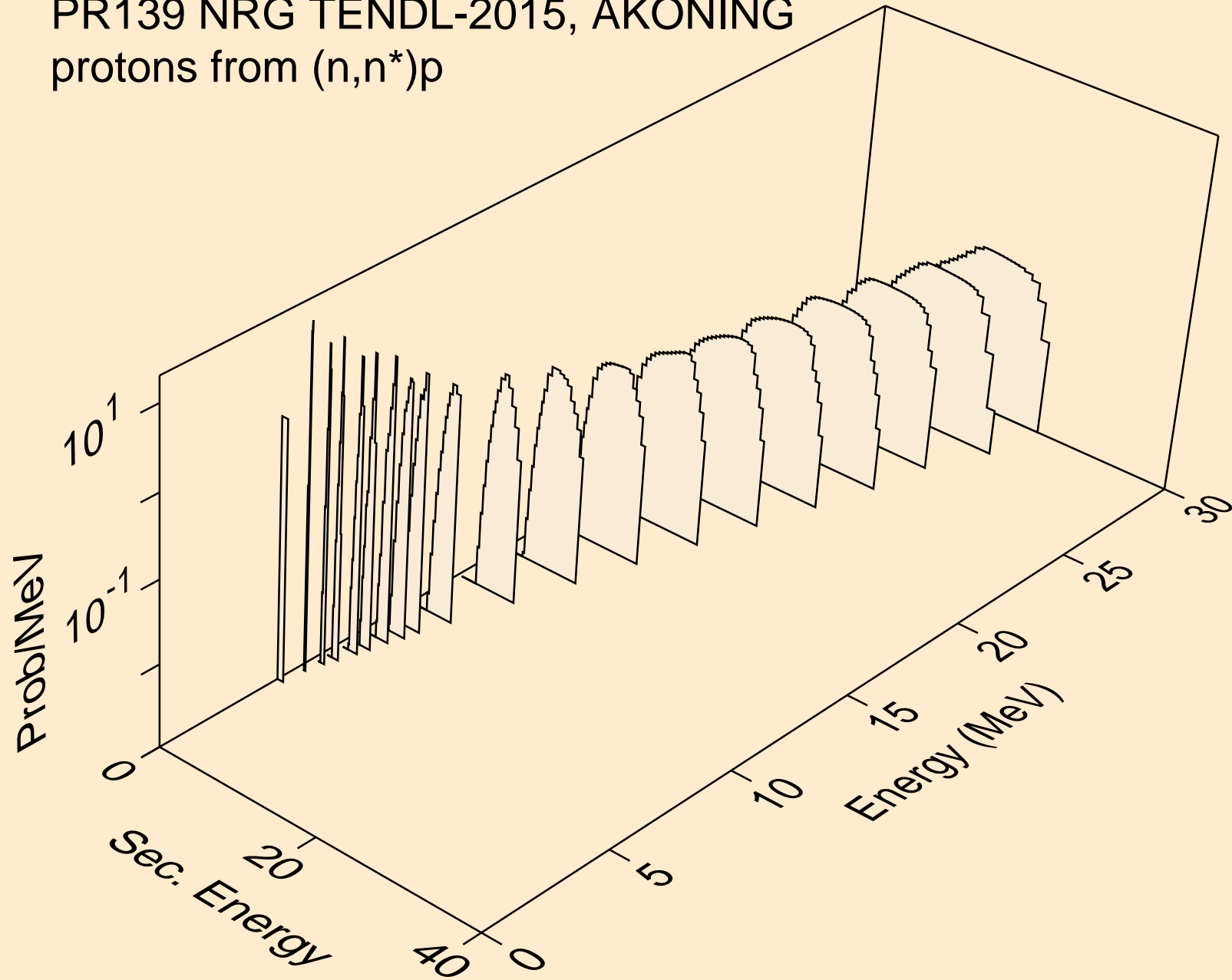
## Particle production cross sections



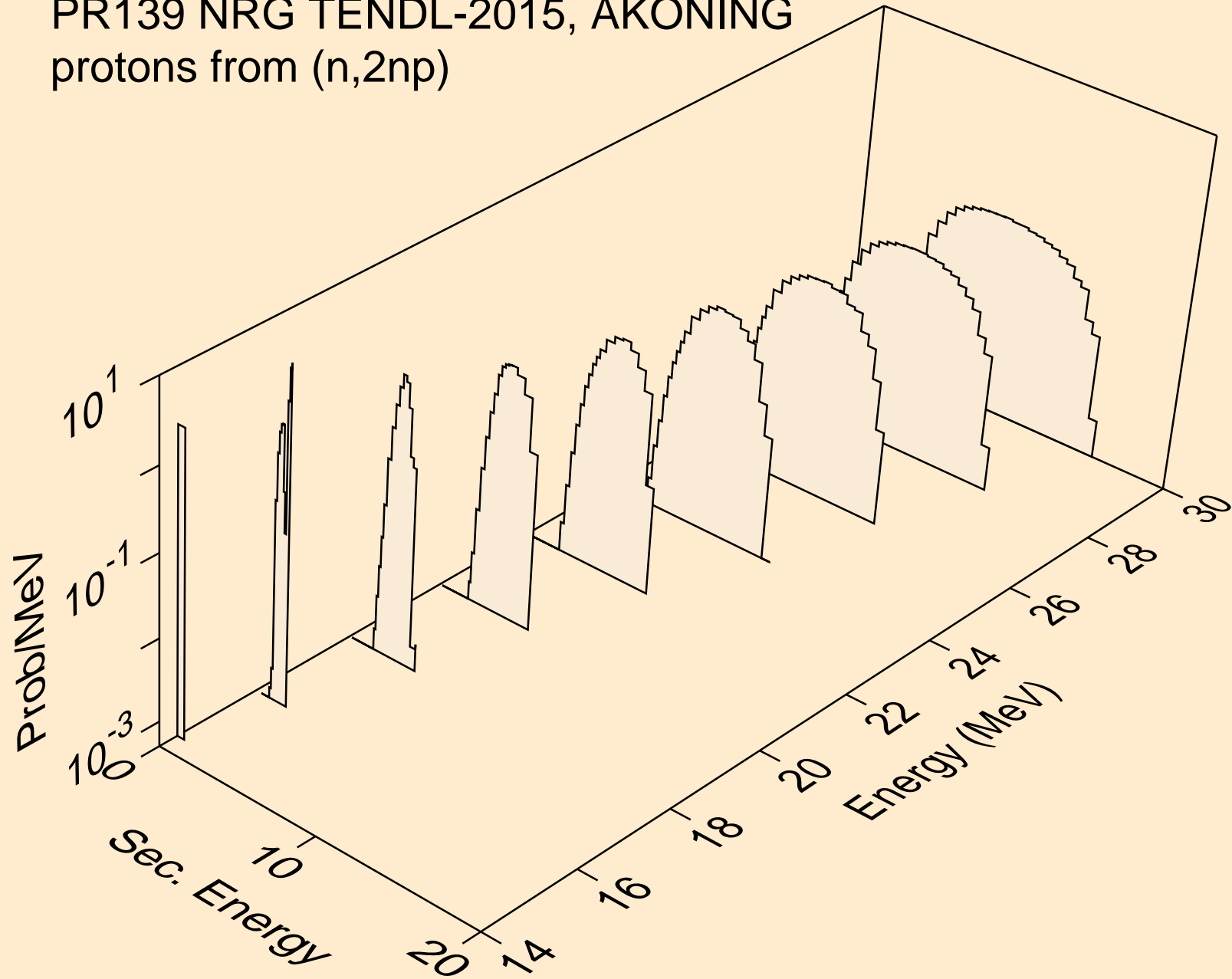
PR139 NRG TENDL-2015, AKONING  
protons from (n,x)



PR139 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

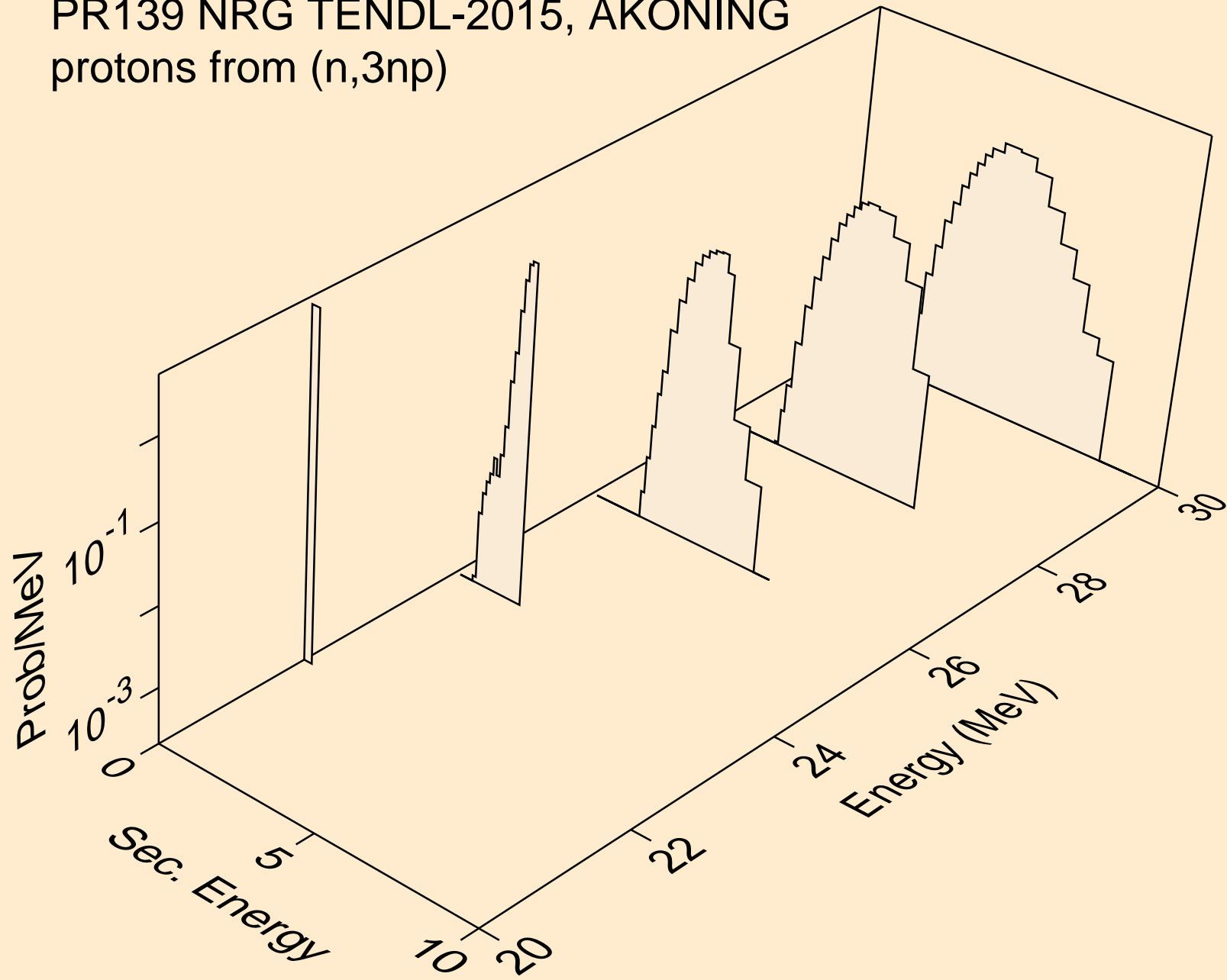


PR139 NRG TENDL-2015, AKONING  
protons from (n,2np)

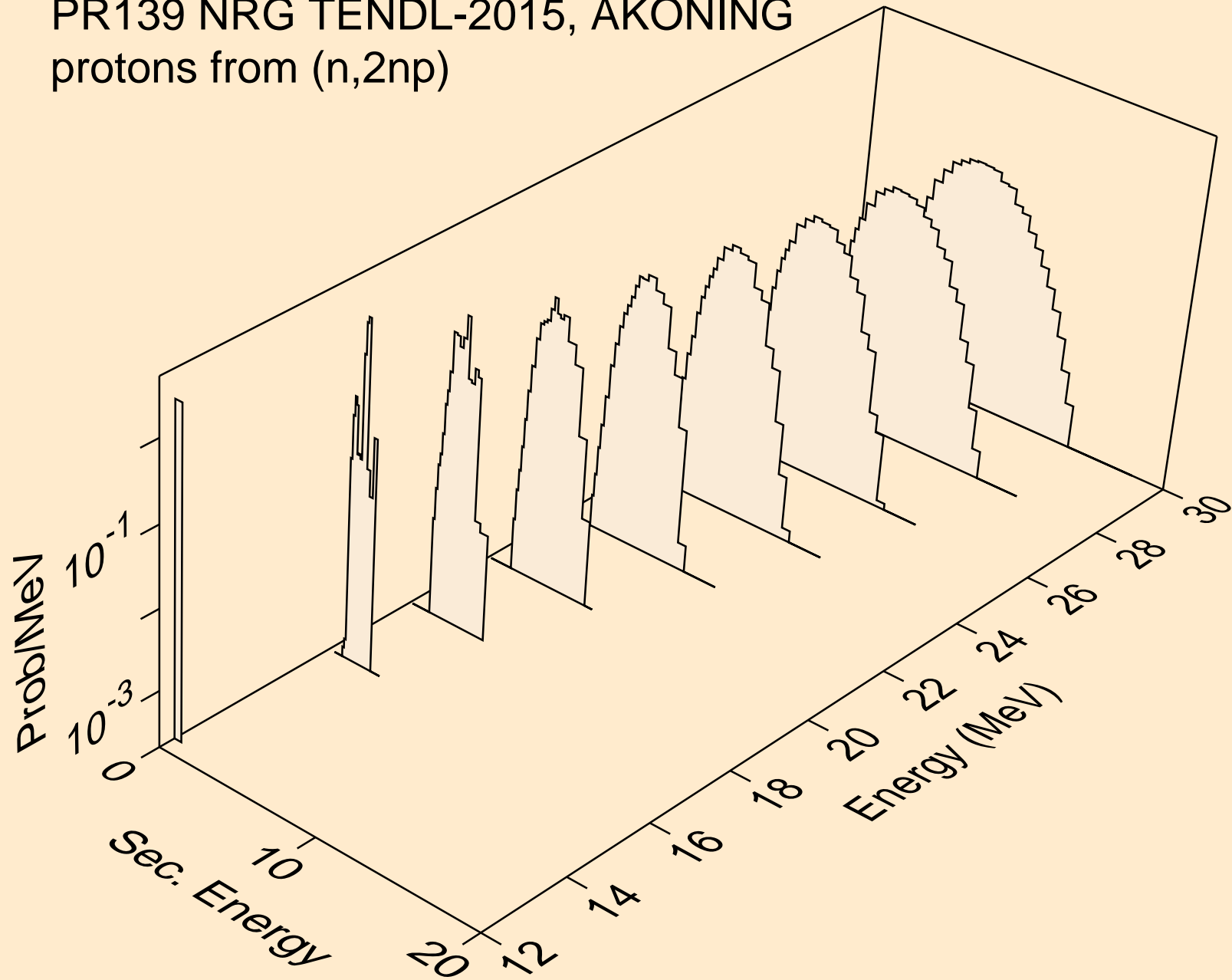




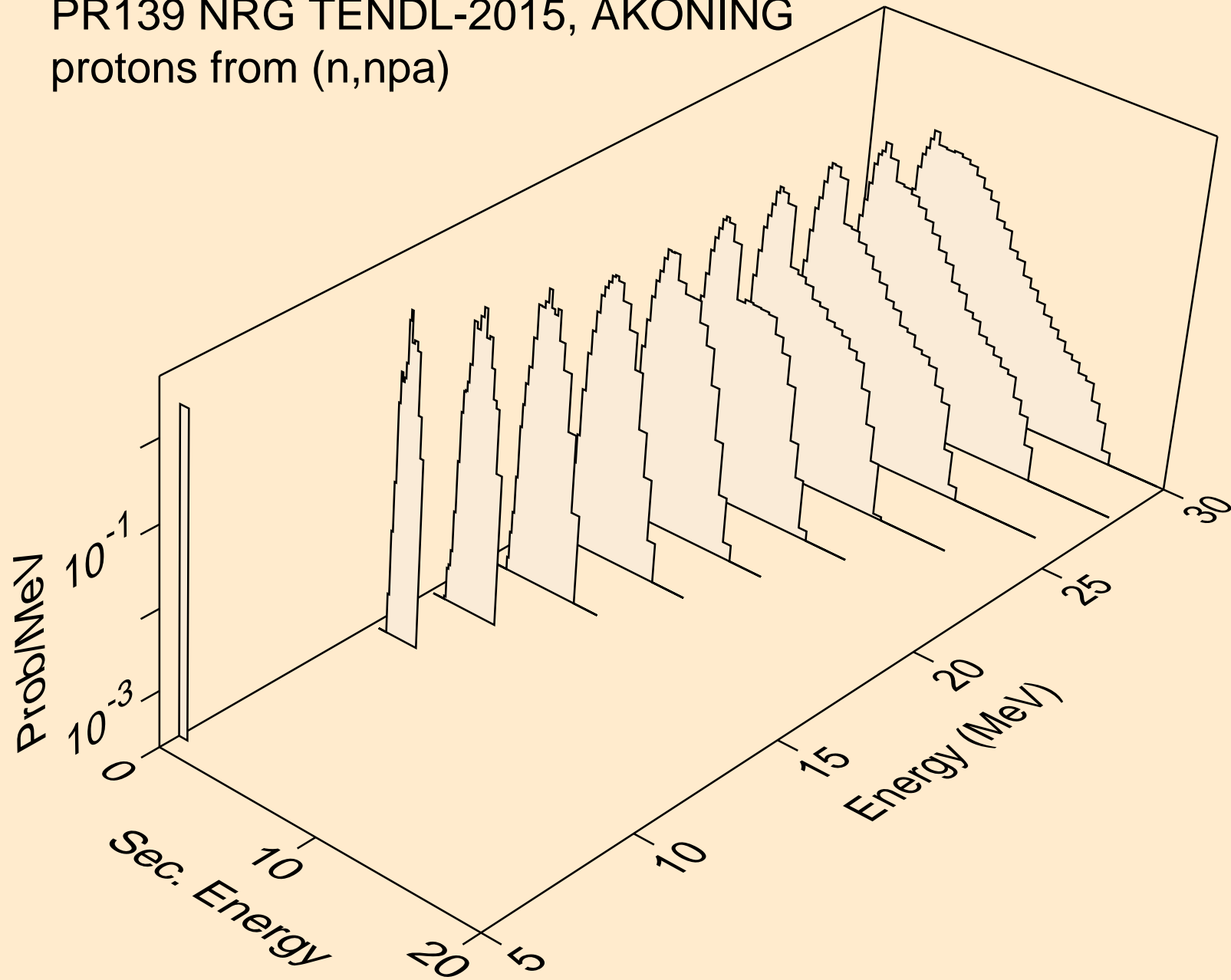
PR139 NRG TENDL-2015, AKONING  
protons from (n,3np)



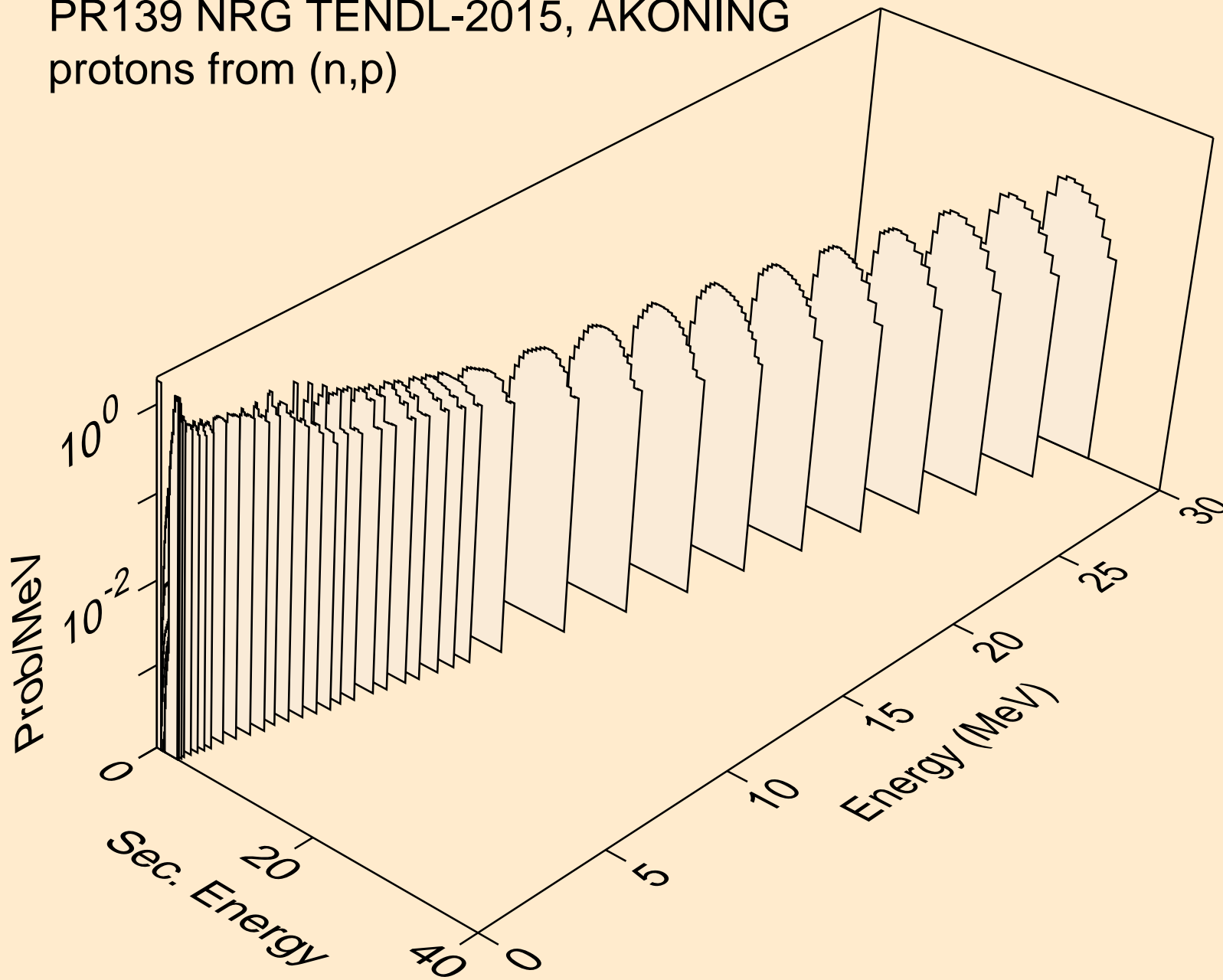
PR139 NRG TENDL-2015, AKONING  
protons from (n,2np)



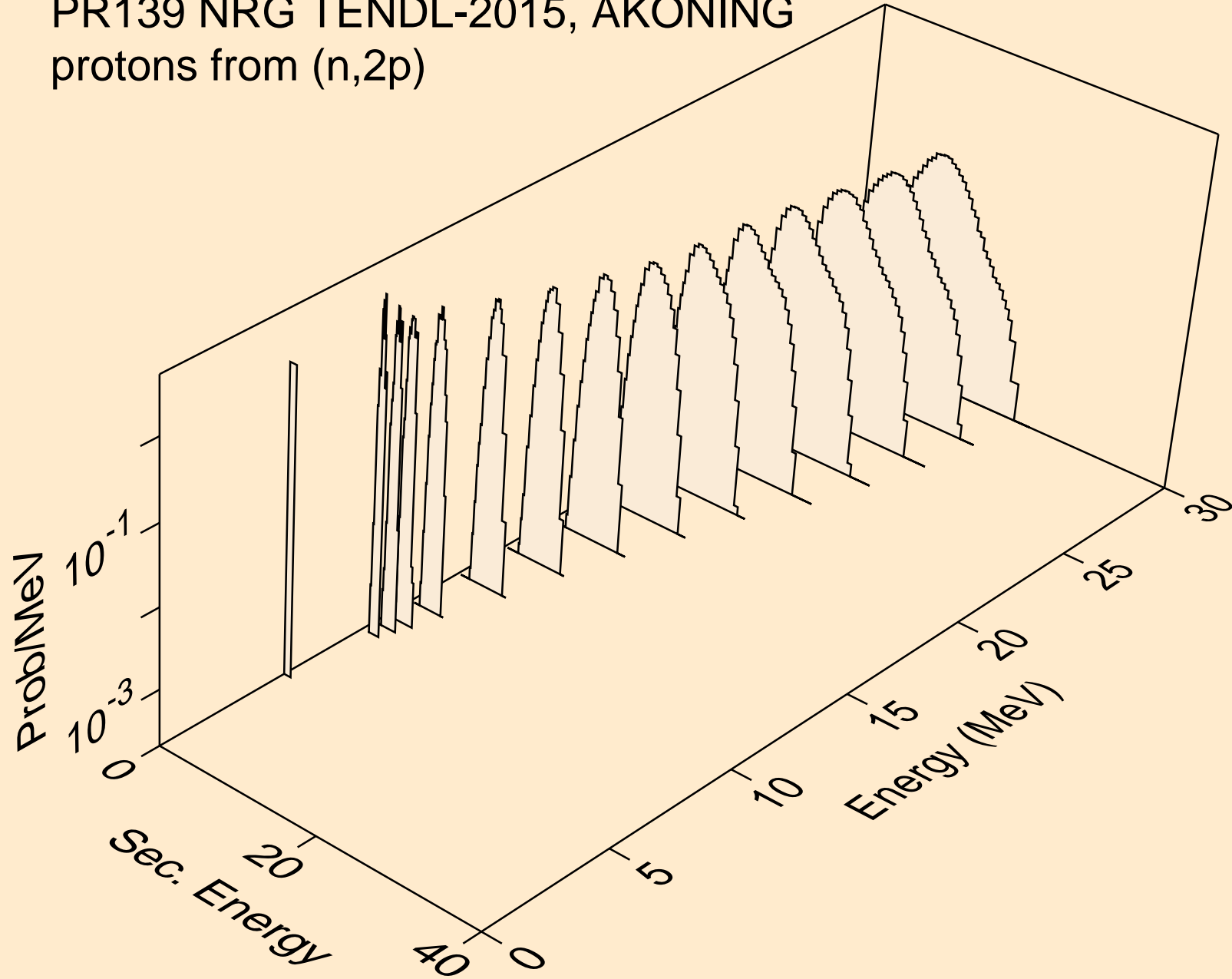
PR139 NRG TENDL-2015, AKONING  
protons from (n,npa)



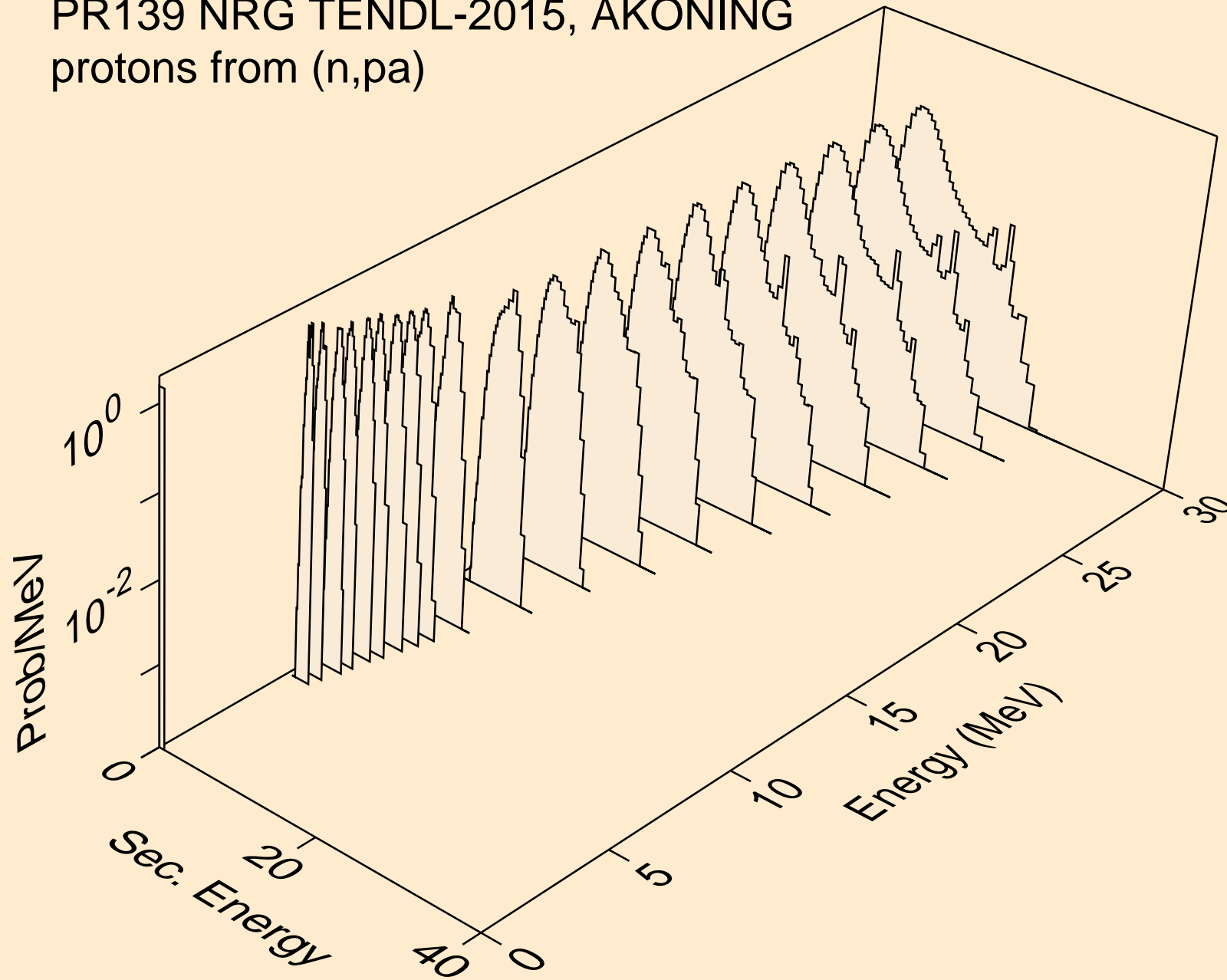
PR139 NRG TENDL-2015, AKONING  
protons from (n,p)



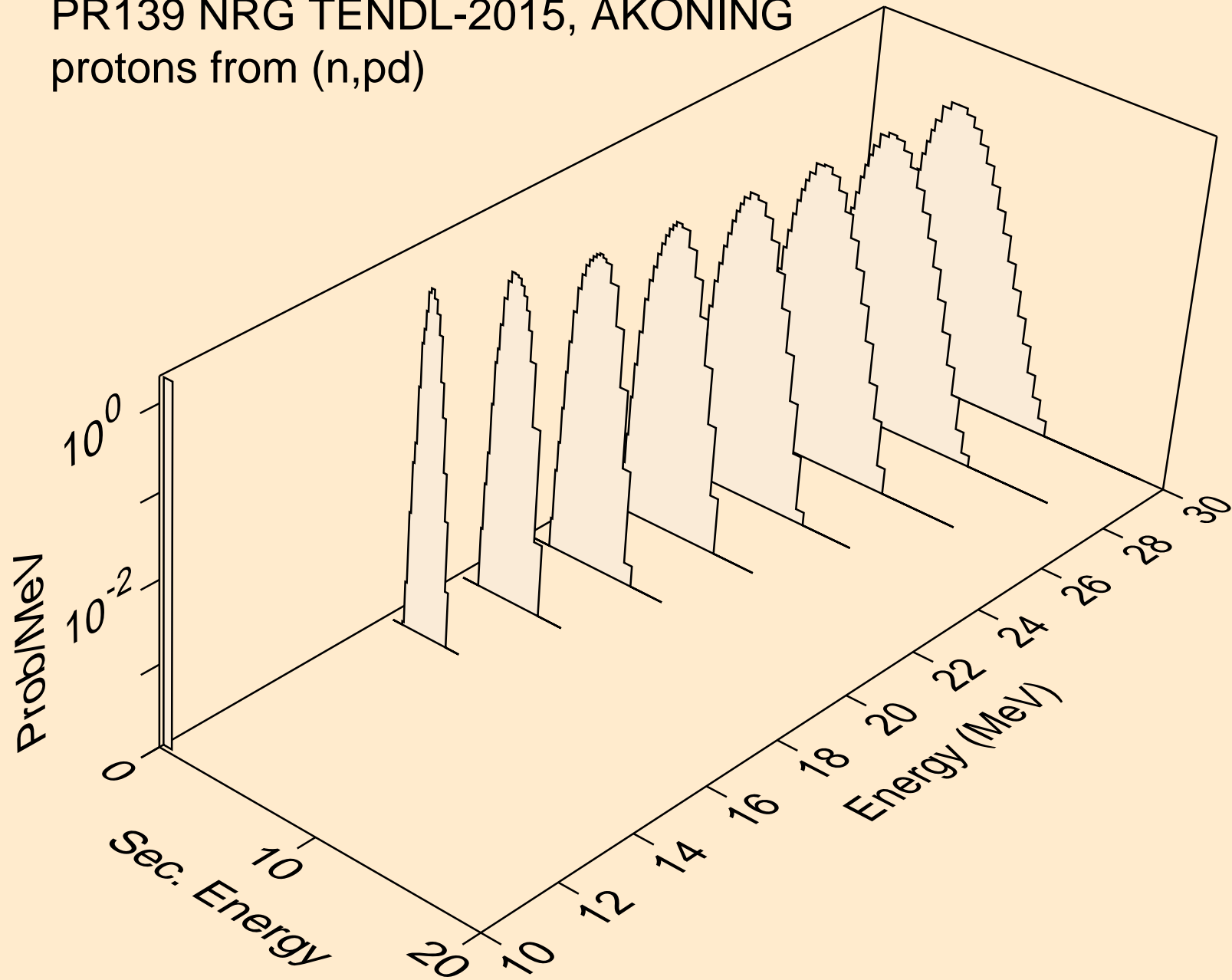
PR139 NRG TENDL-2015, AKONING  
protons from (n,2p)



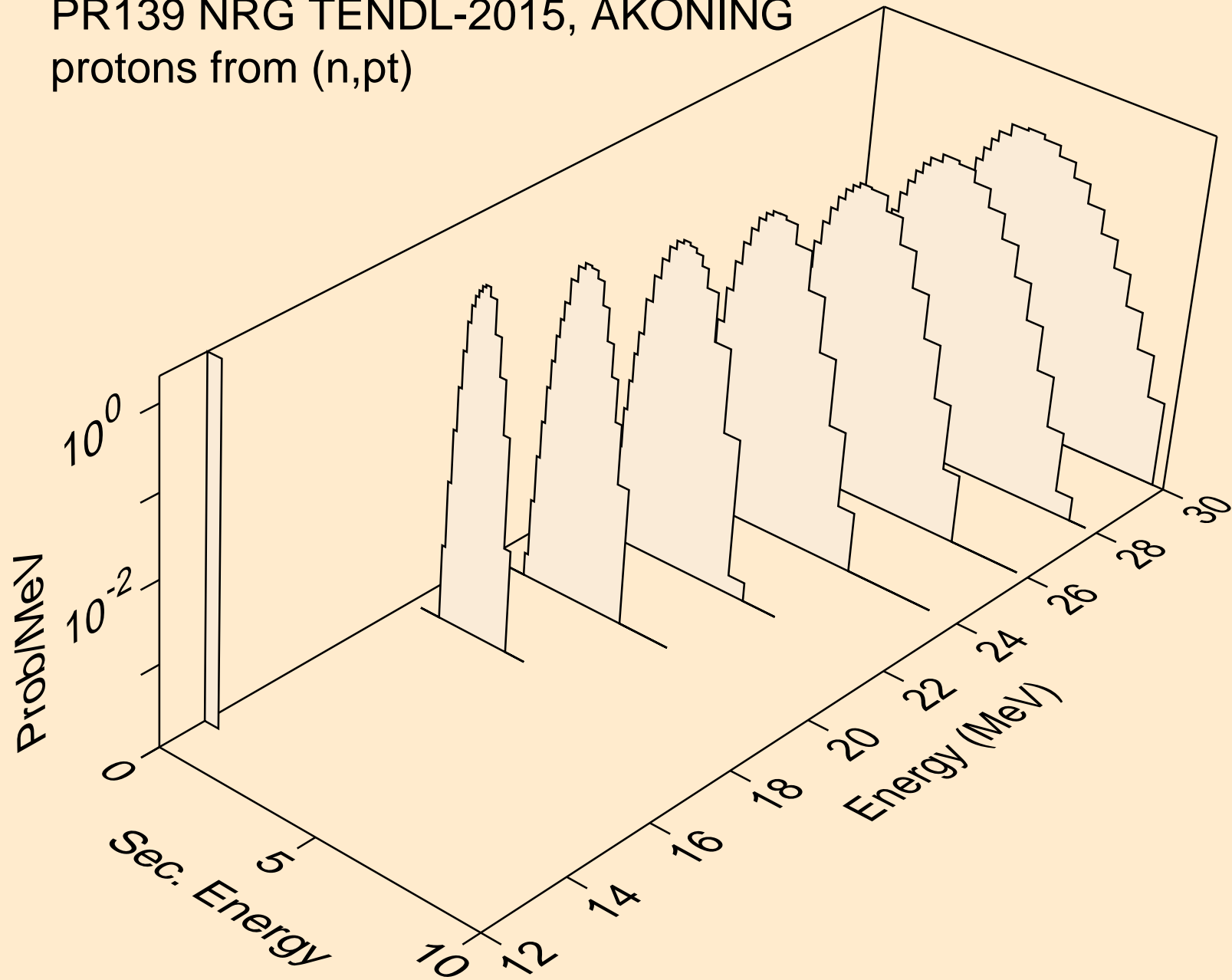
PR139 NRG TENDL-2015, AKONING  
protons from (n,pa)



PR139 NRG TENDL-2015, AKONING  
protons from (n,pd)

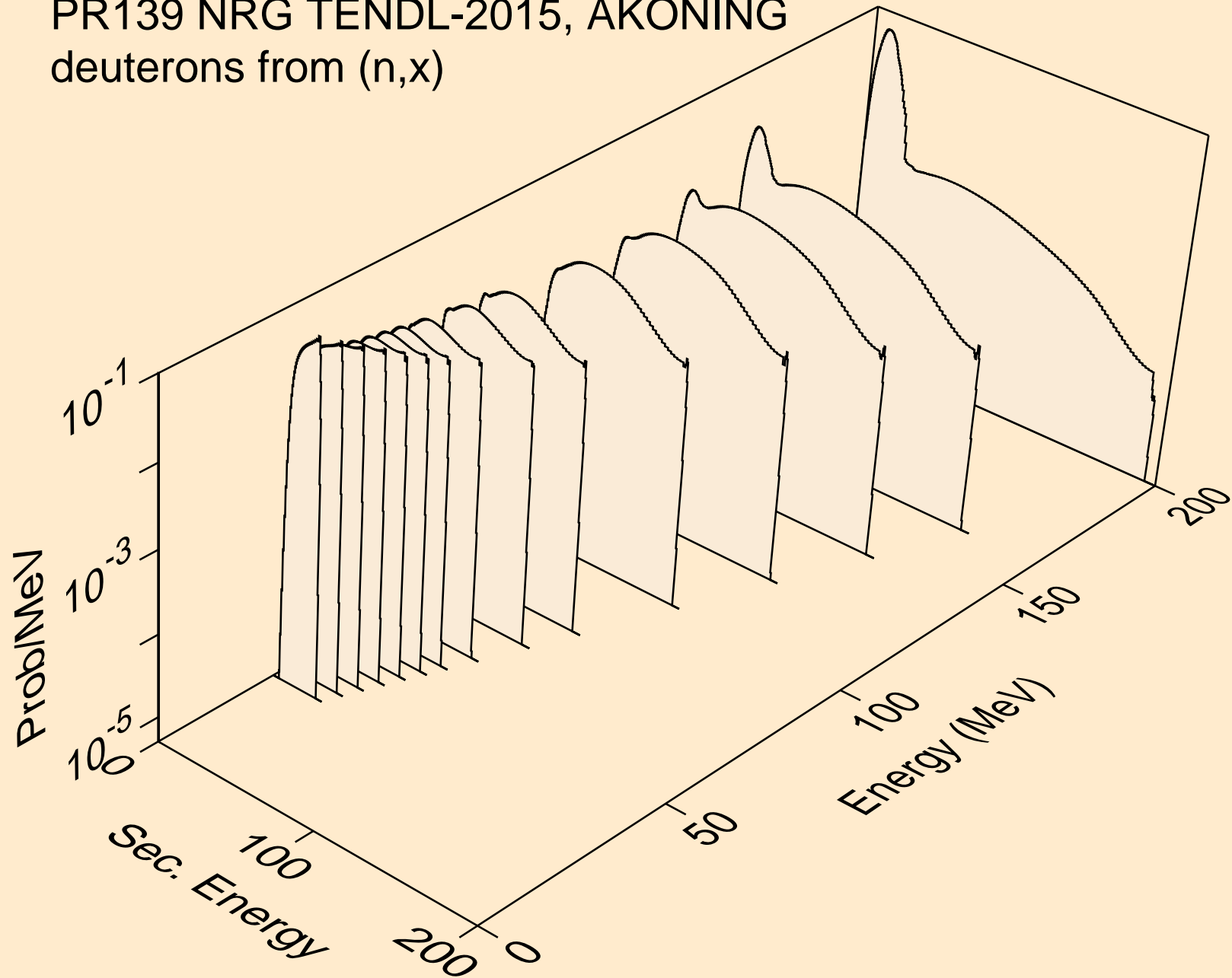


PR139 NRG TENDL-2015, AKONING  
protons from (n,pt)

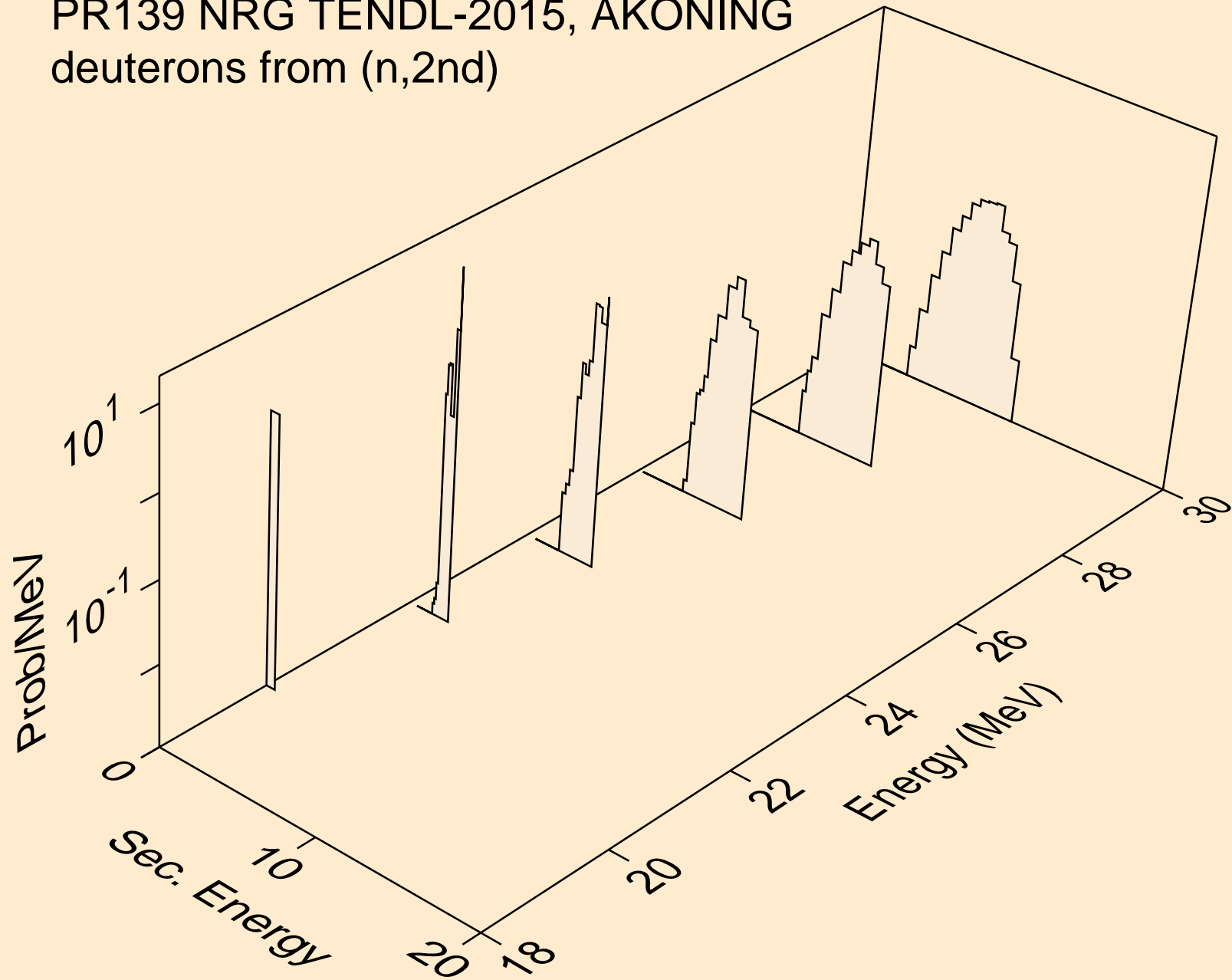




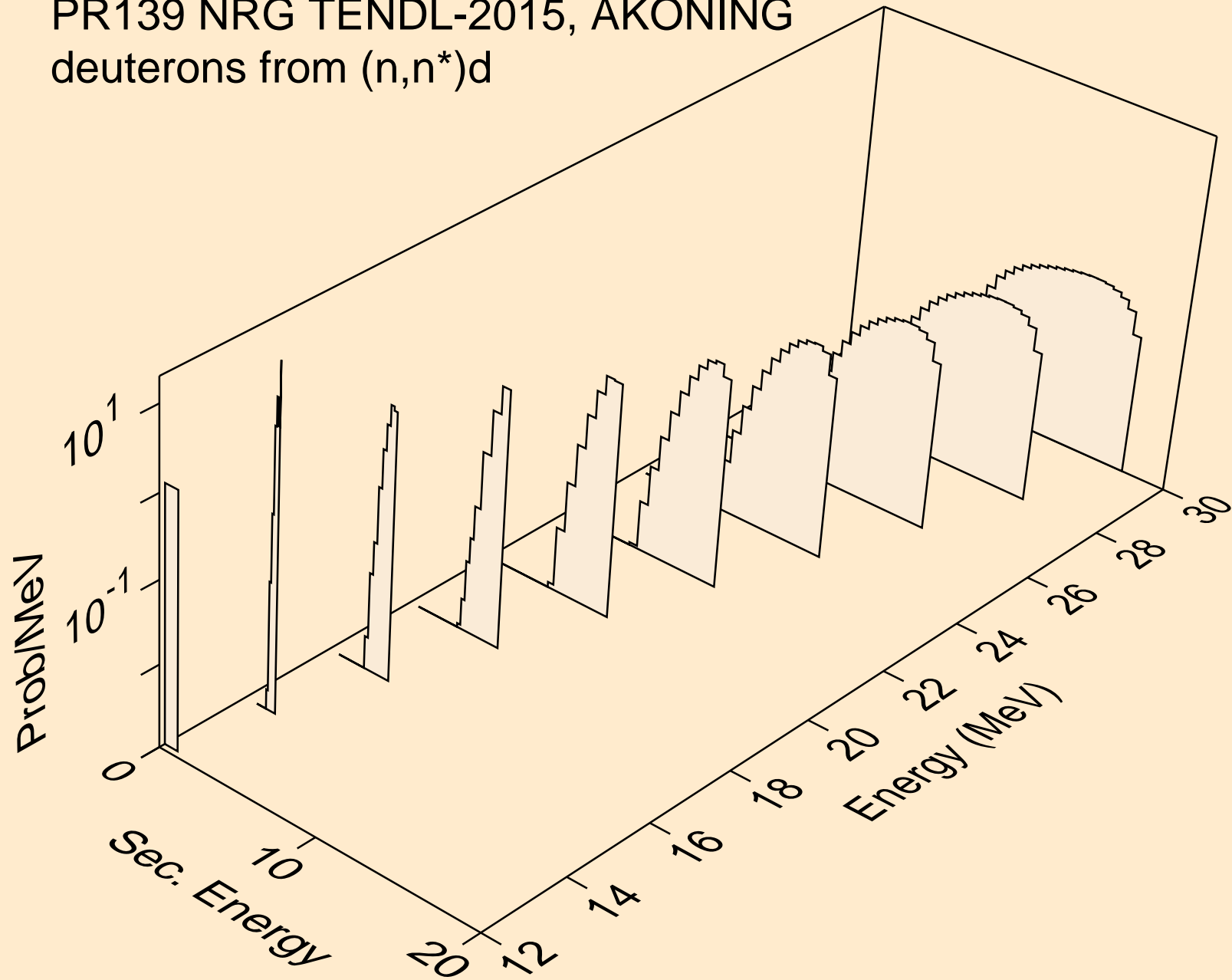
PR139 NRG TENDL-2015, AKONING  
deuterons from (n,x)



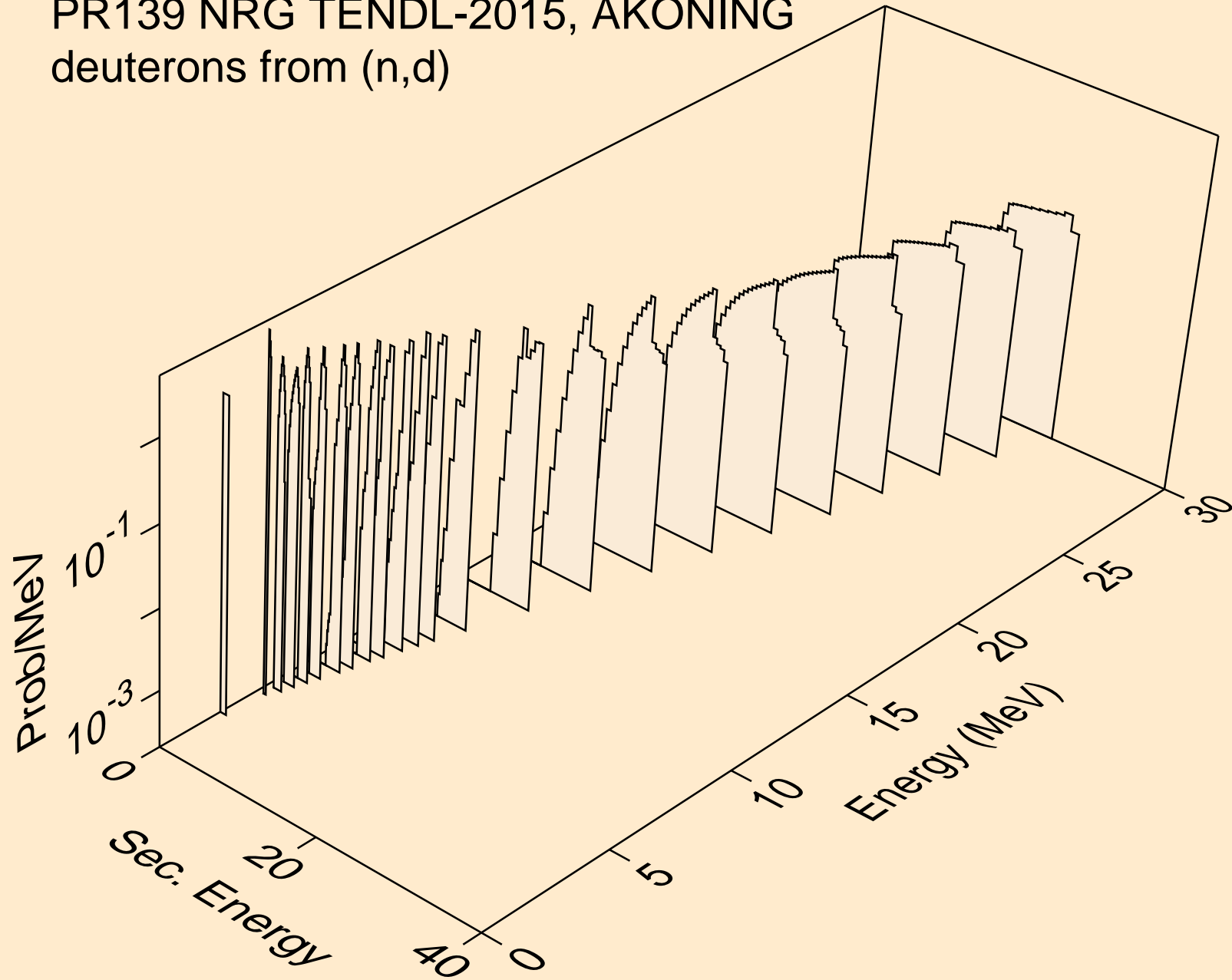
PR139 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



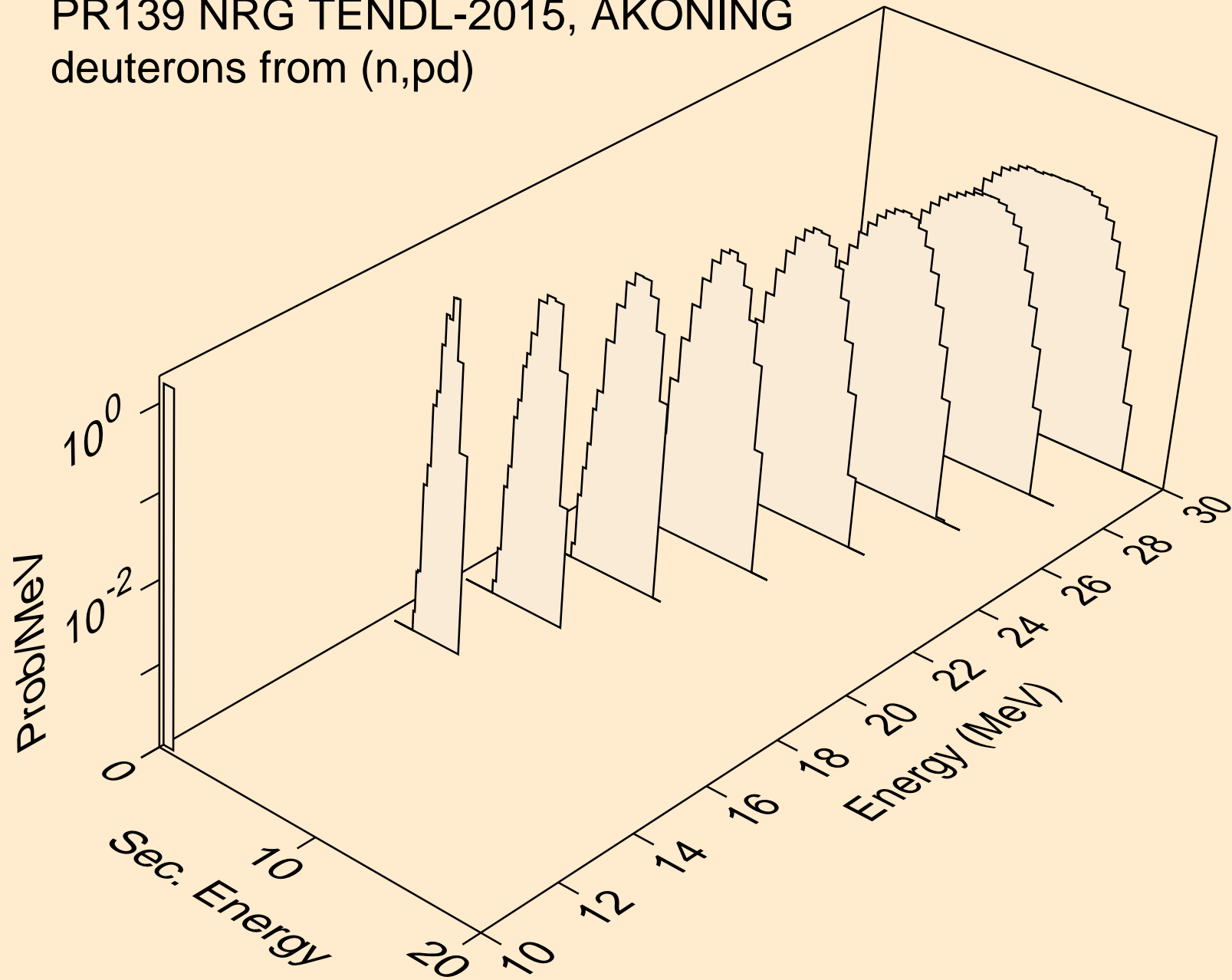
PR139 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



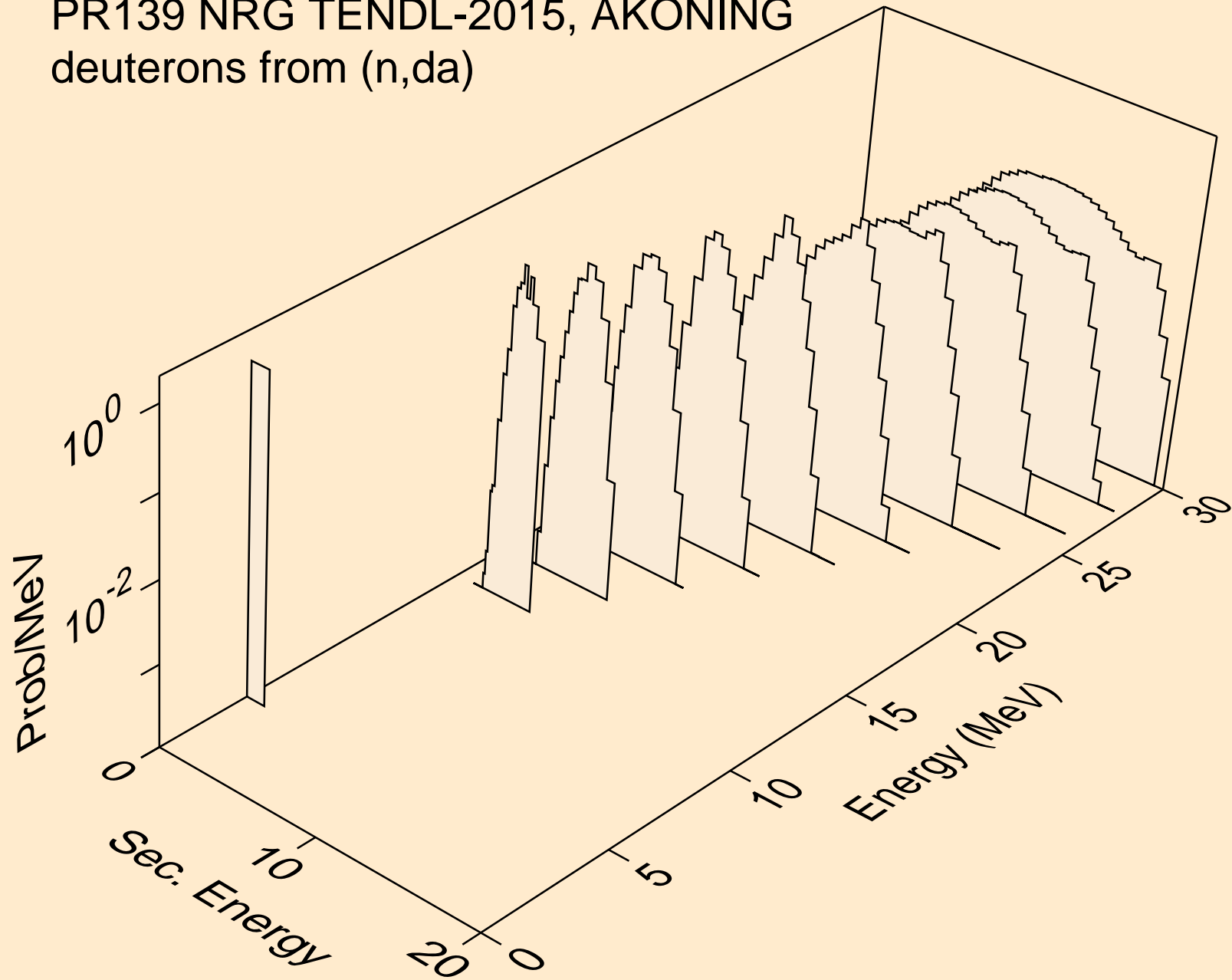
PR139 NRG TENDL-2015, AKONING  
deuterons from (n,d)



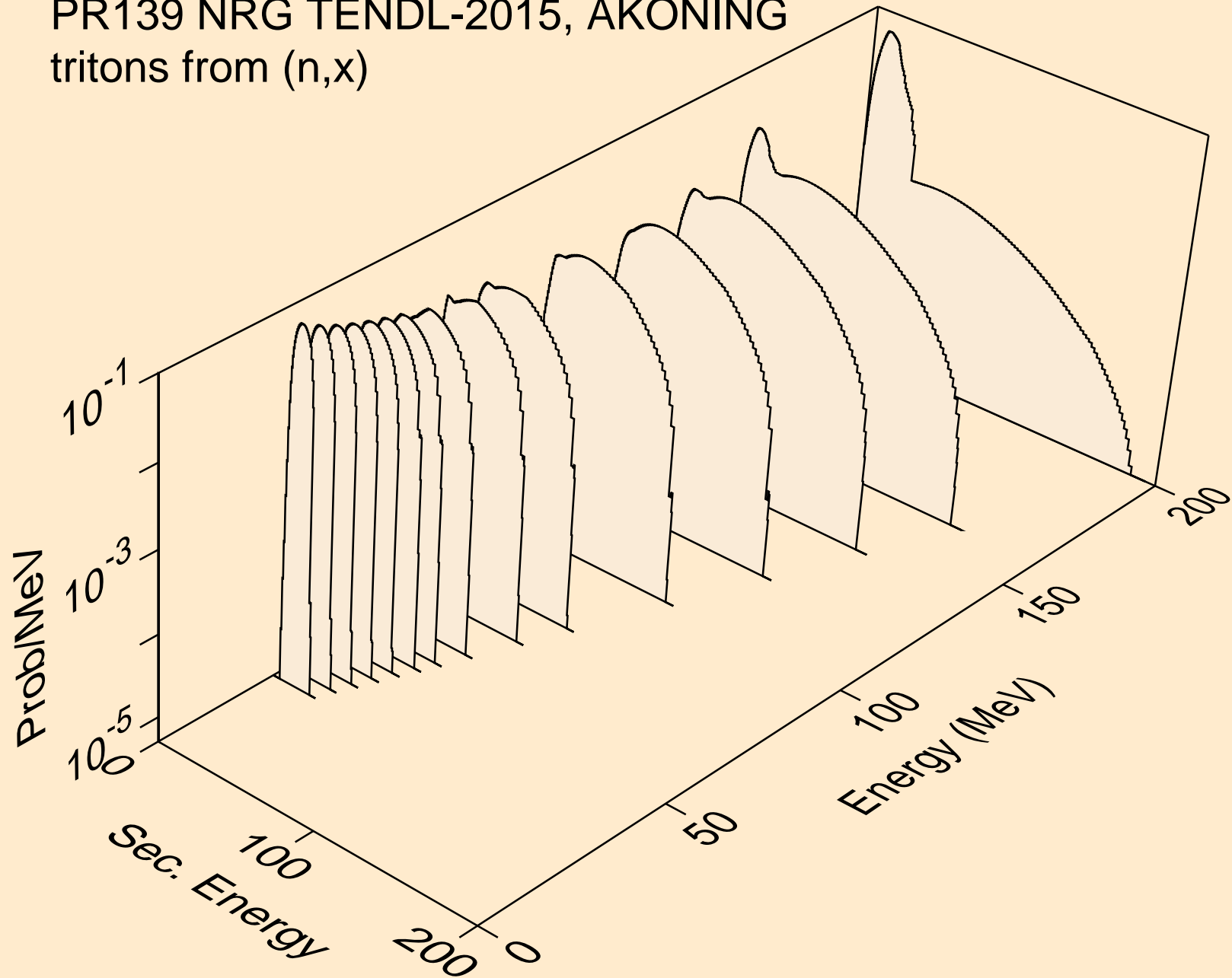
PR139 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



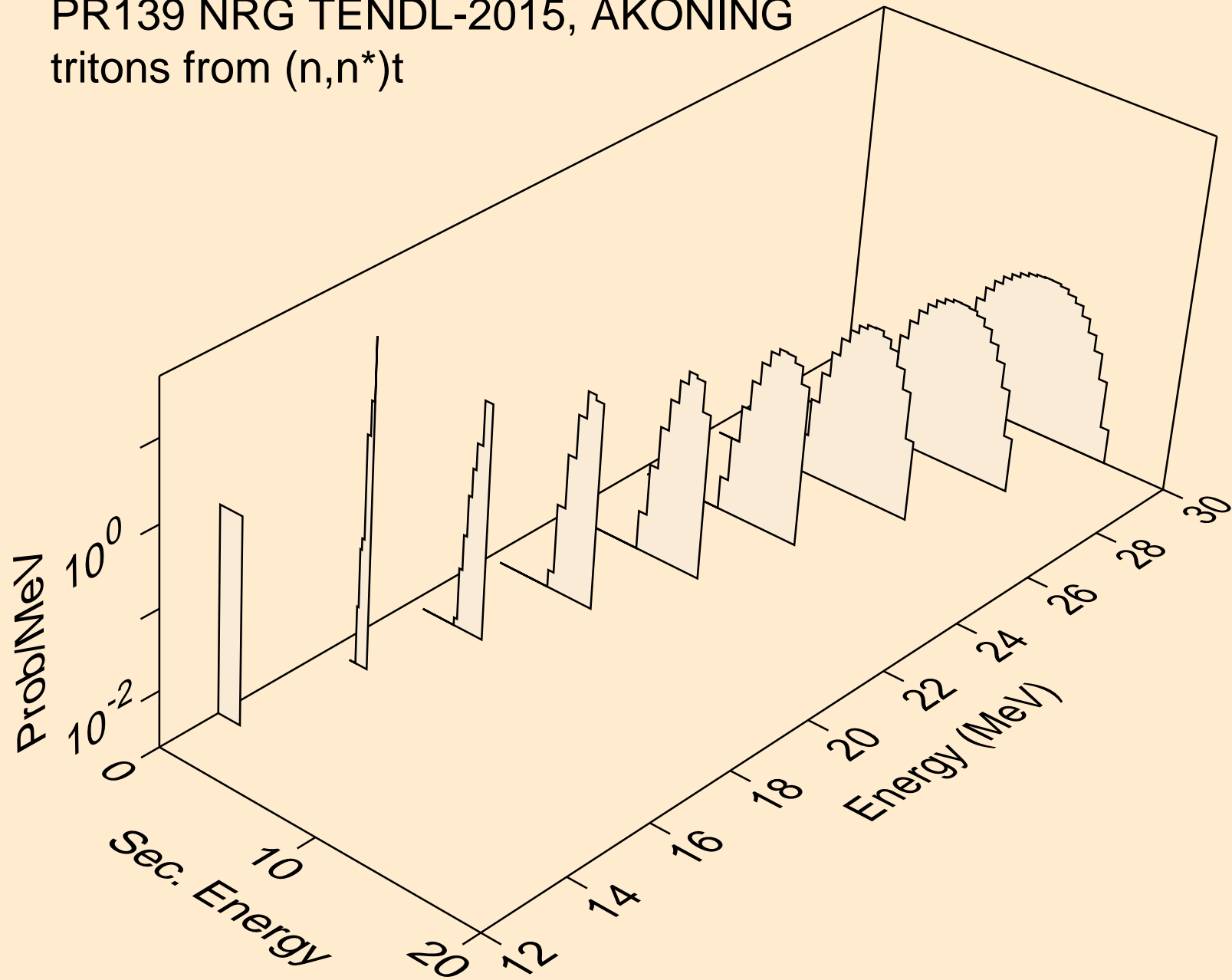
PR139 NRG TENDL-2015, AKONING  
deuterons from (n,da)



PR139 NRG TENDL-2015, AKONING  
tritons from (n,x)

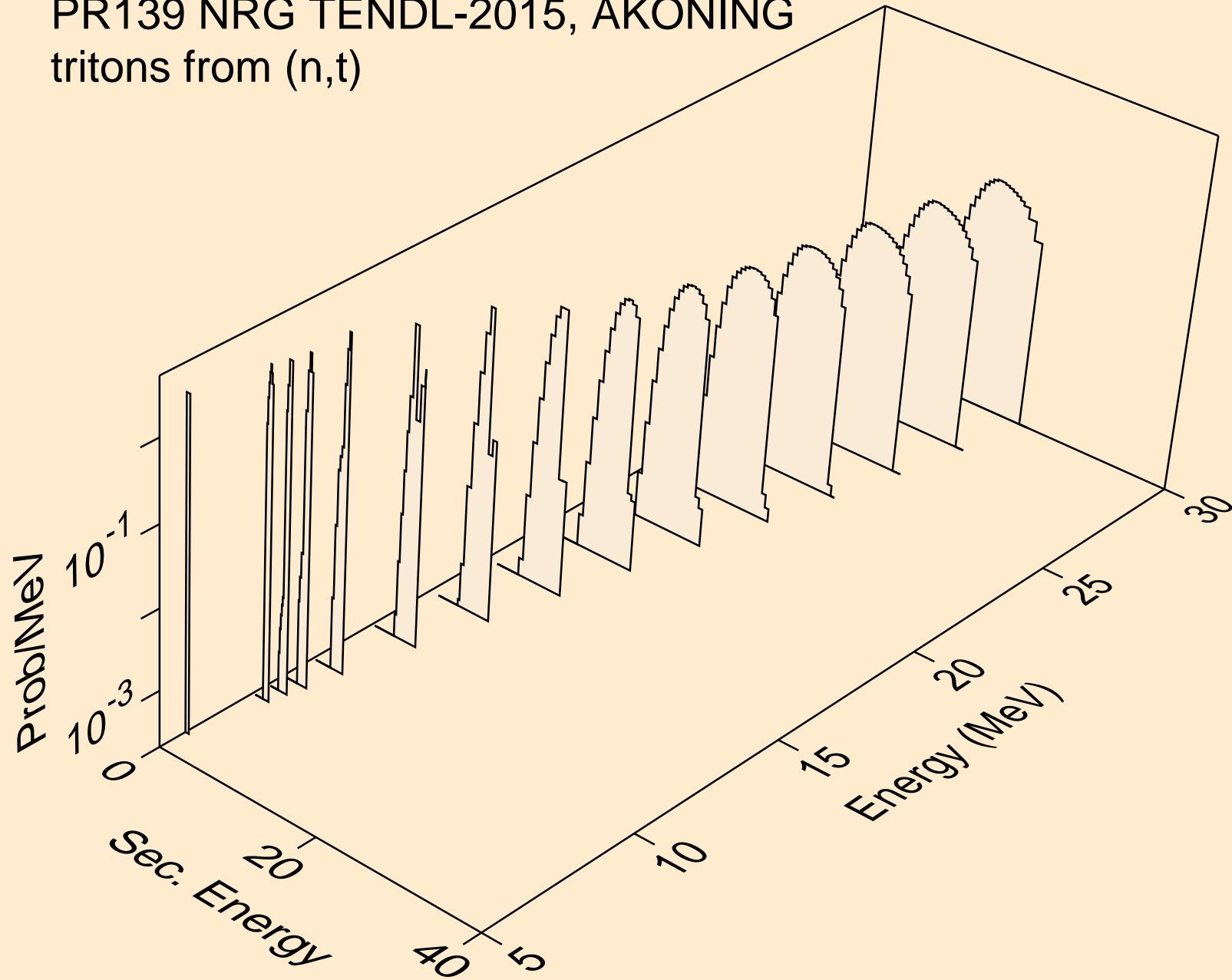


PR139 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

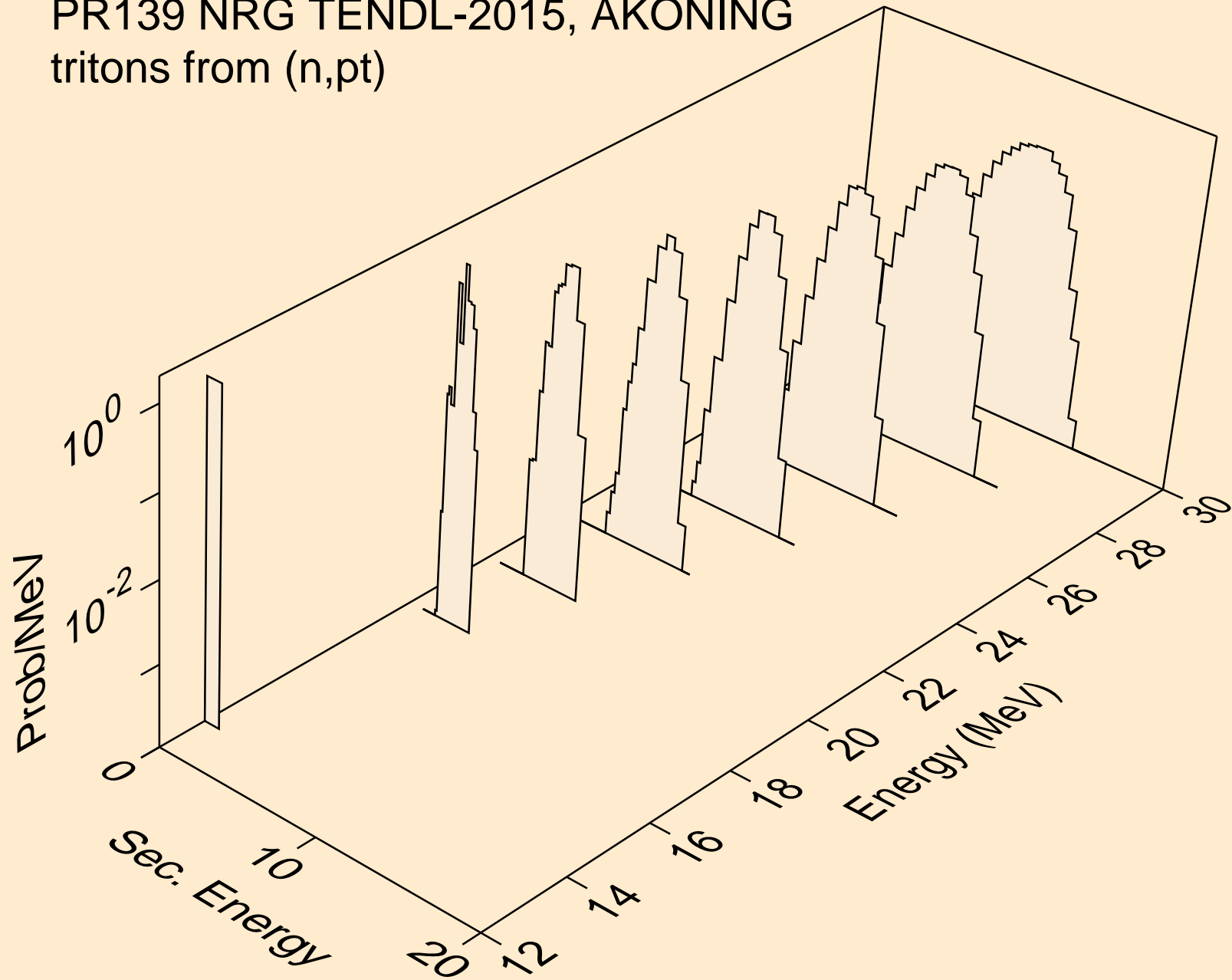




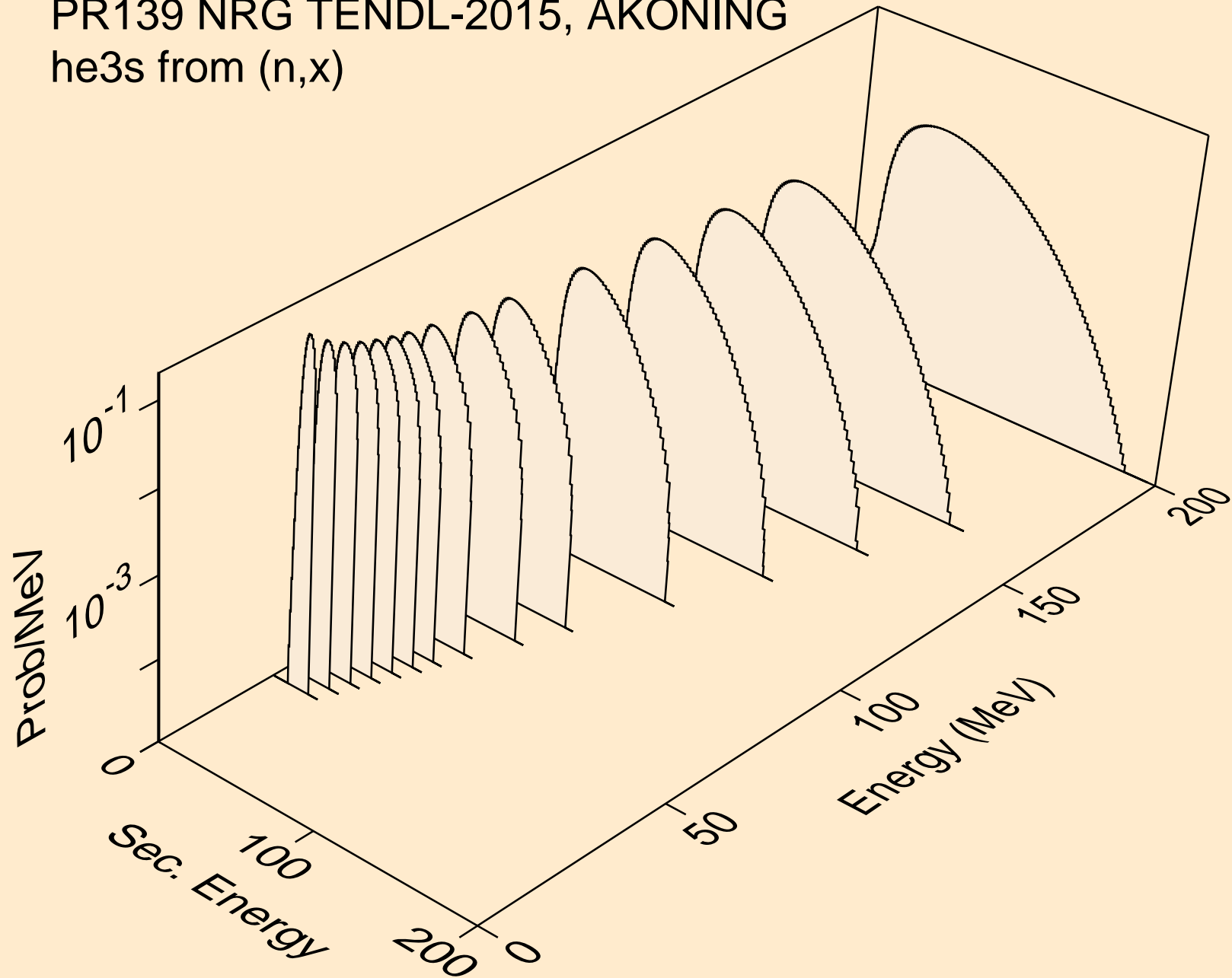
PR139 NRG TENDL-2015, AKONING  
tritons from (n,t)



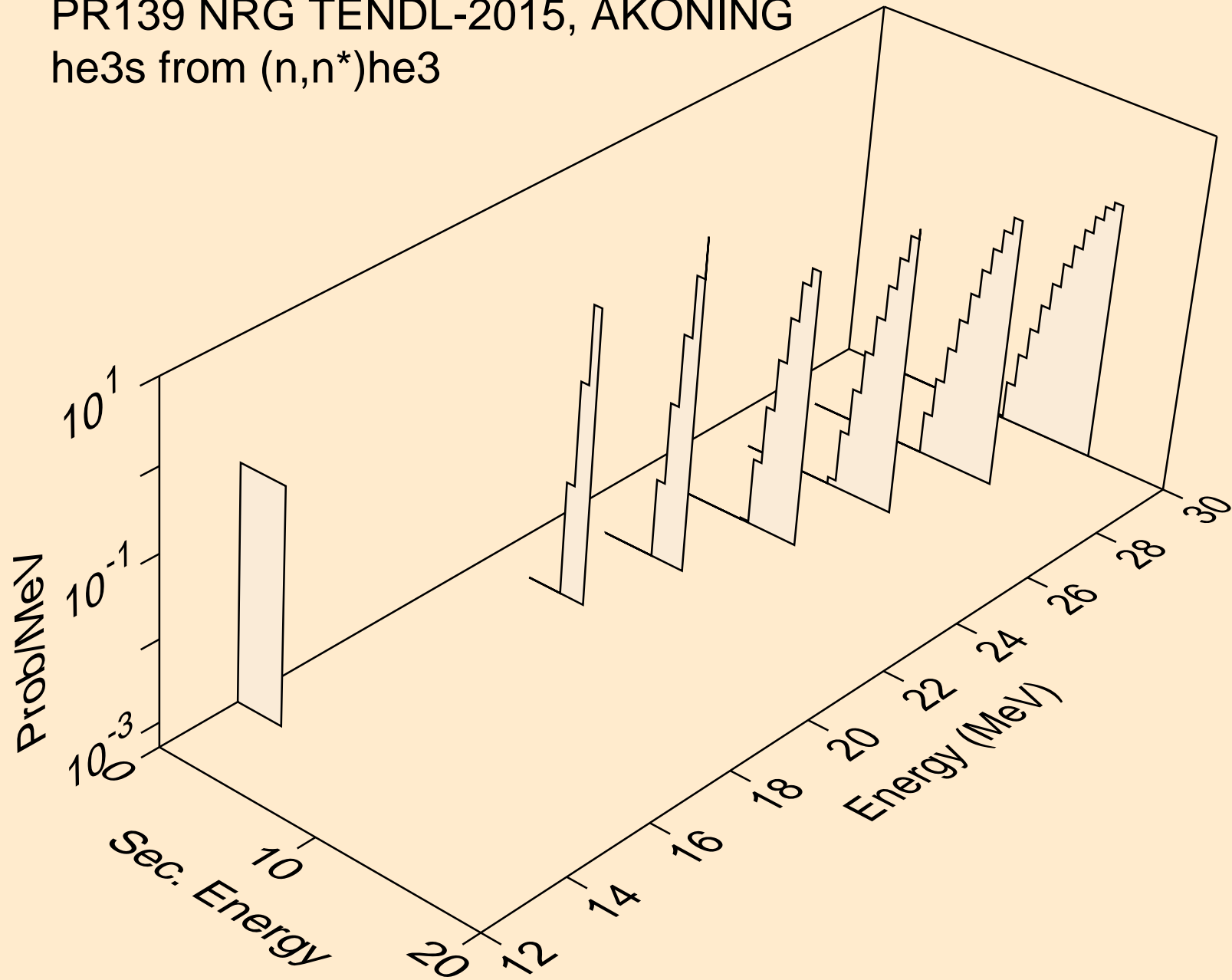
PR139 NRG TENDL-2015, AKONING  
tritons from (n,pt)



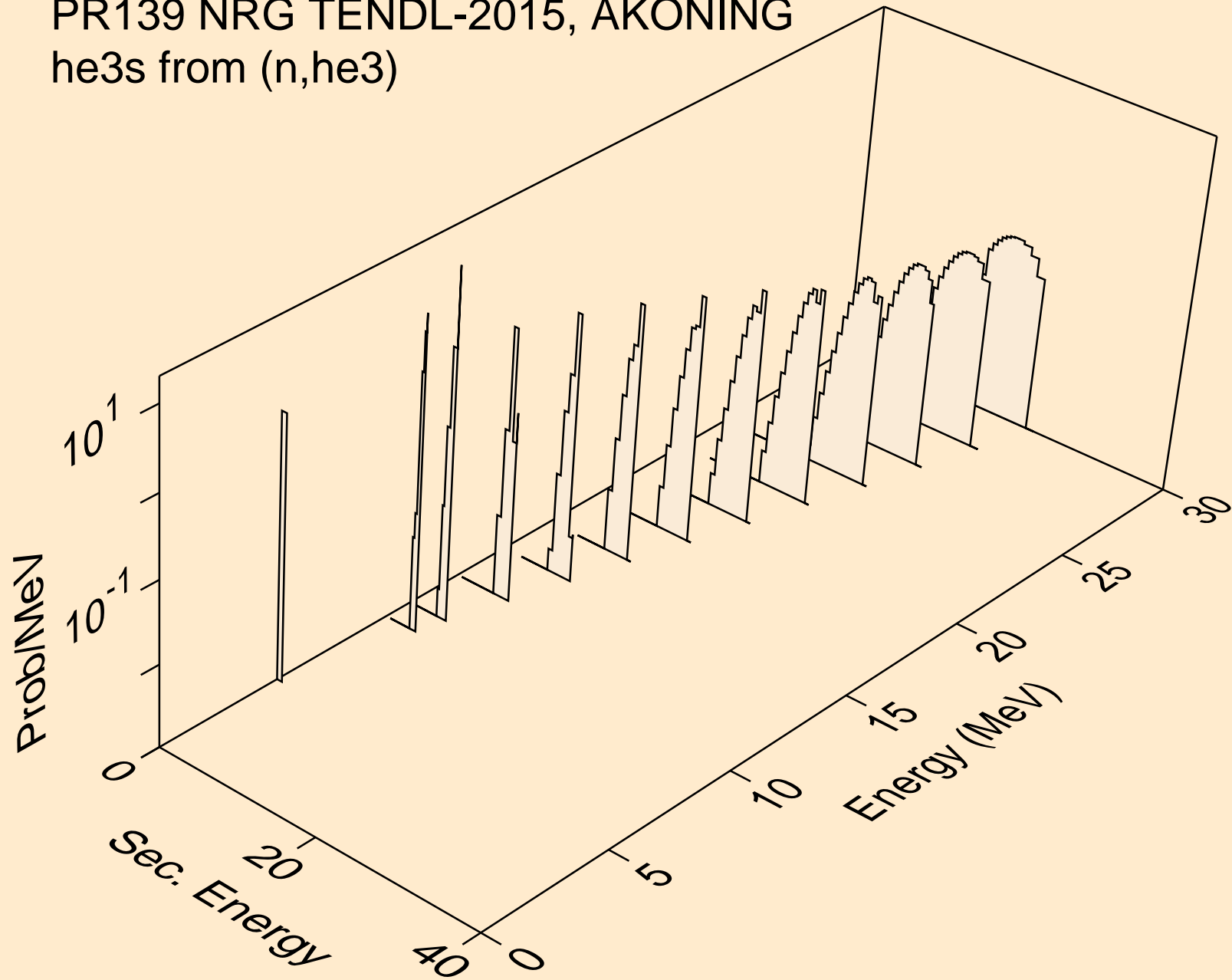
PR139 NRG TENDL-2015, AKONING  
he3s from (n,x)



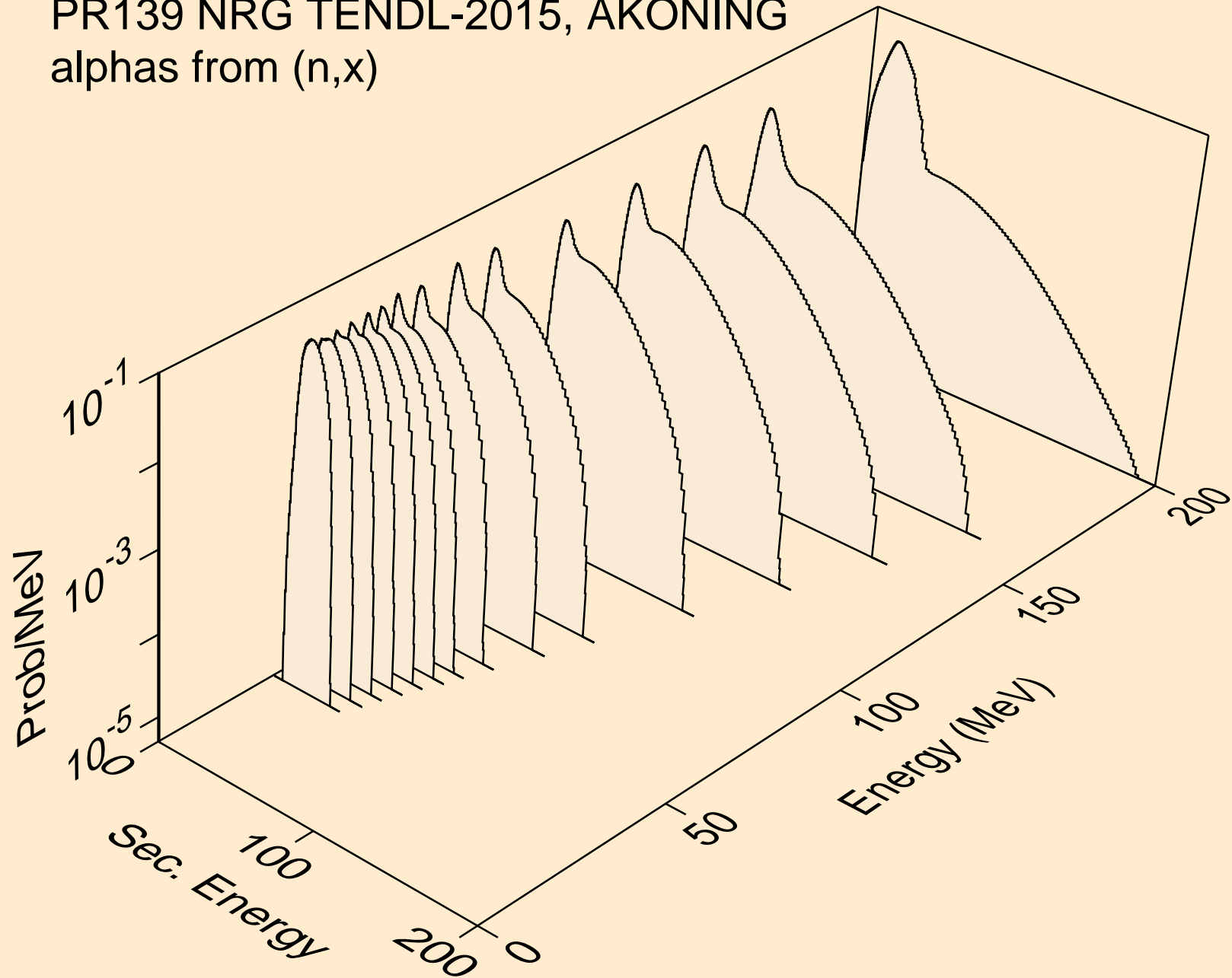
PR139 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



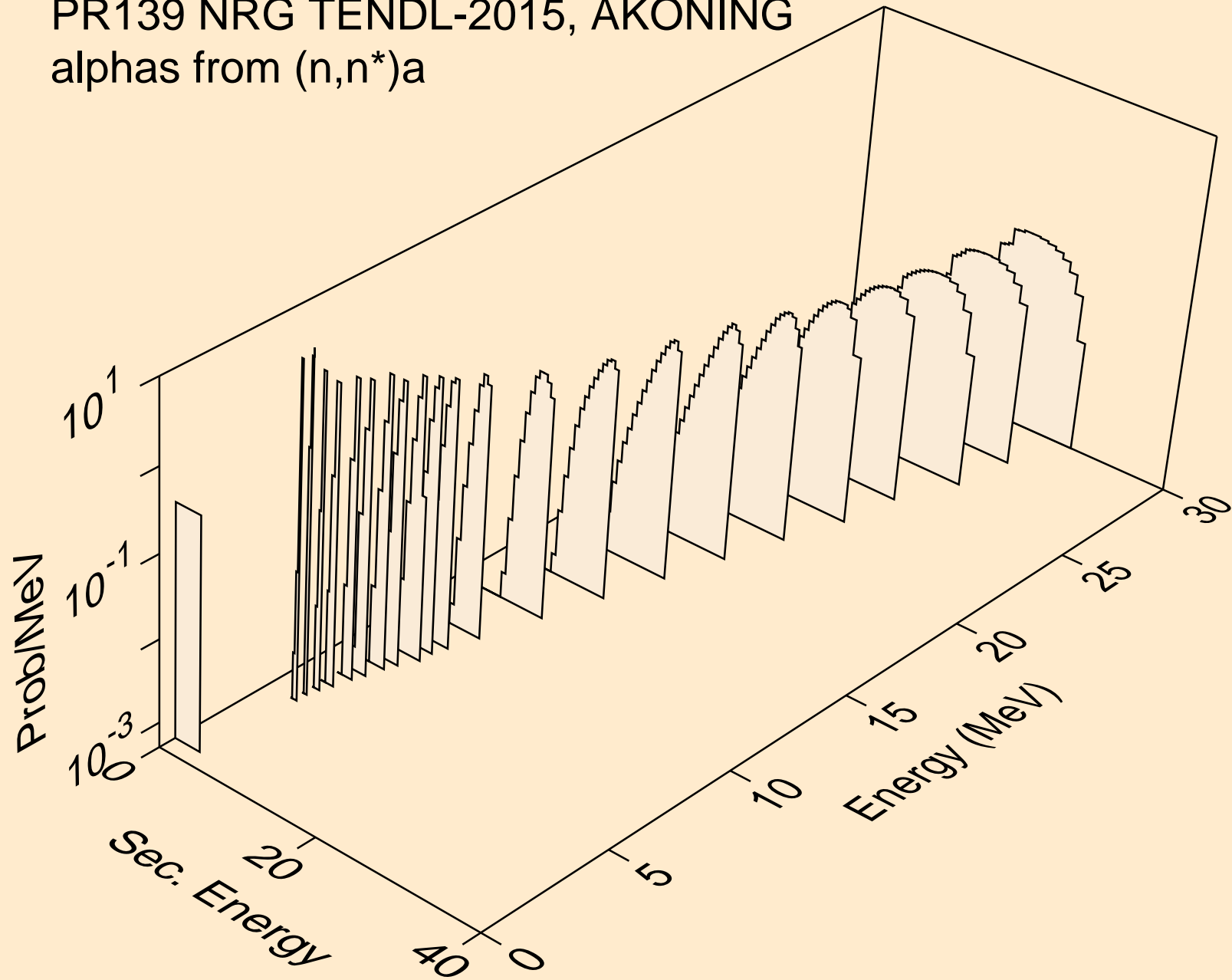
PR139 NRG TENDL-2015, AKONING  
he3s from (n,he3)



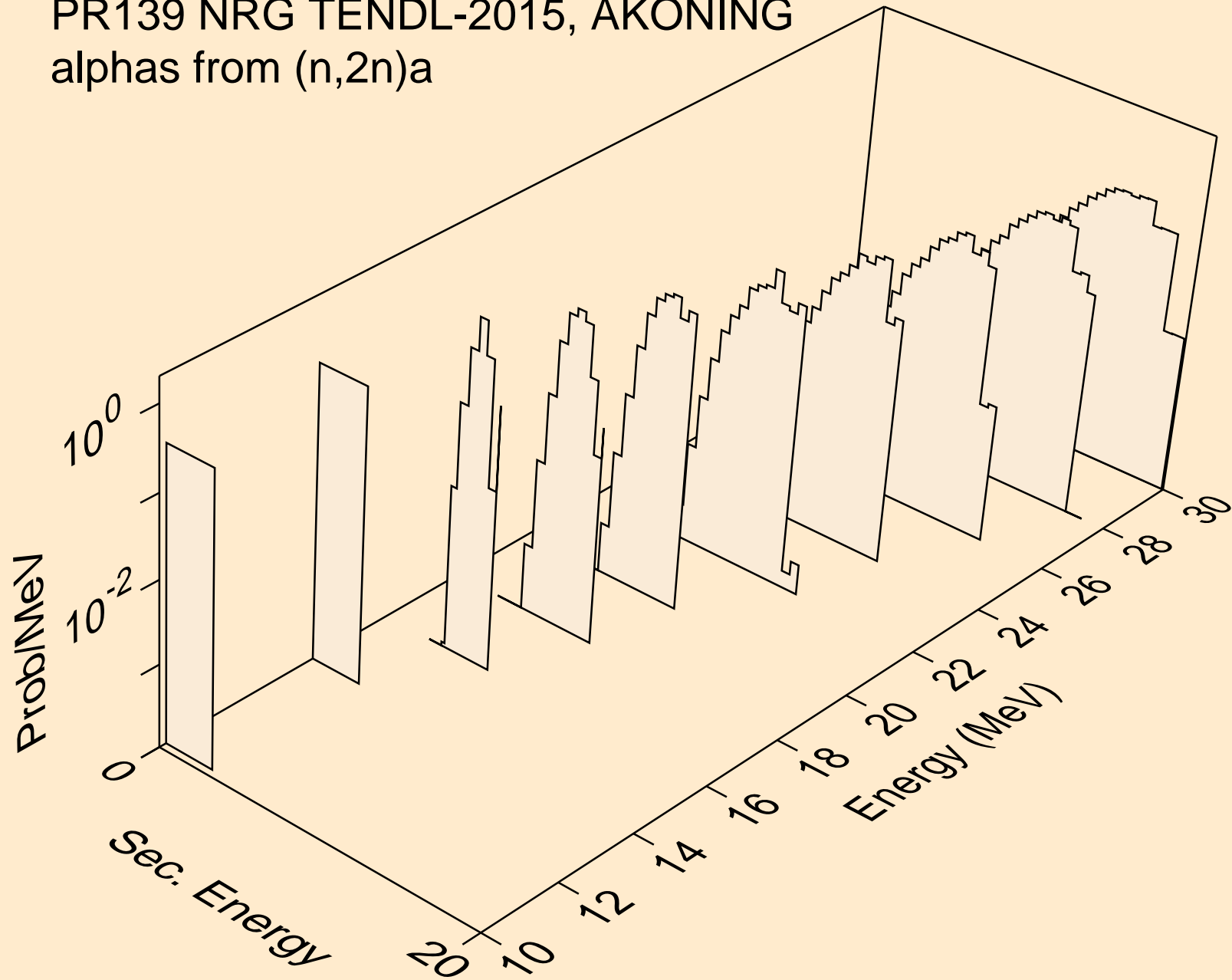
PR139 NRG TENDL-2015, AKONING  
alphas from (n,x)



PR139 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

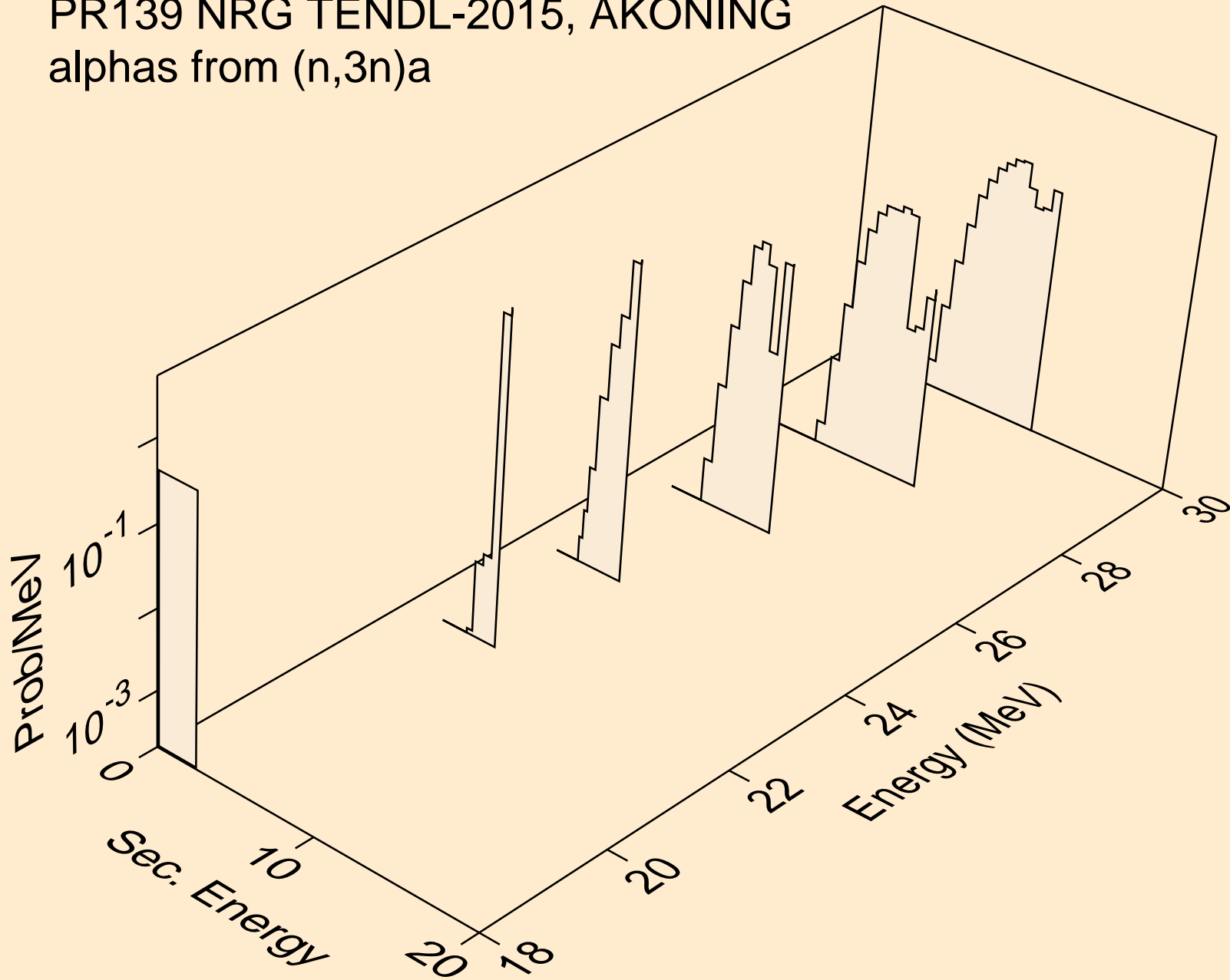


PR139 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

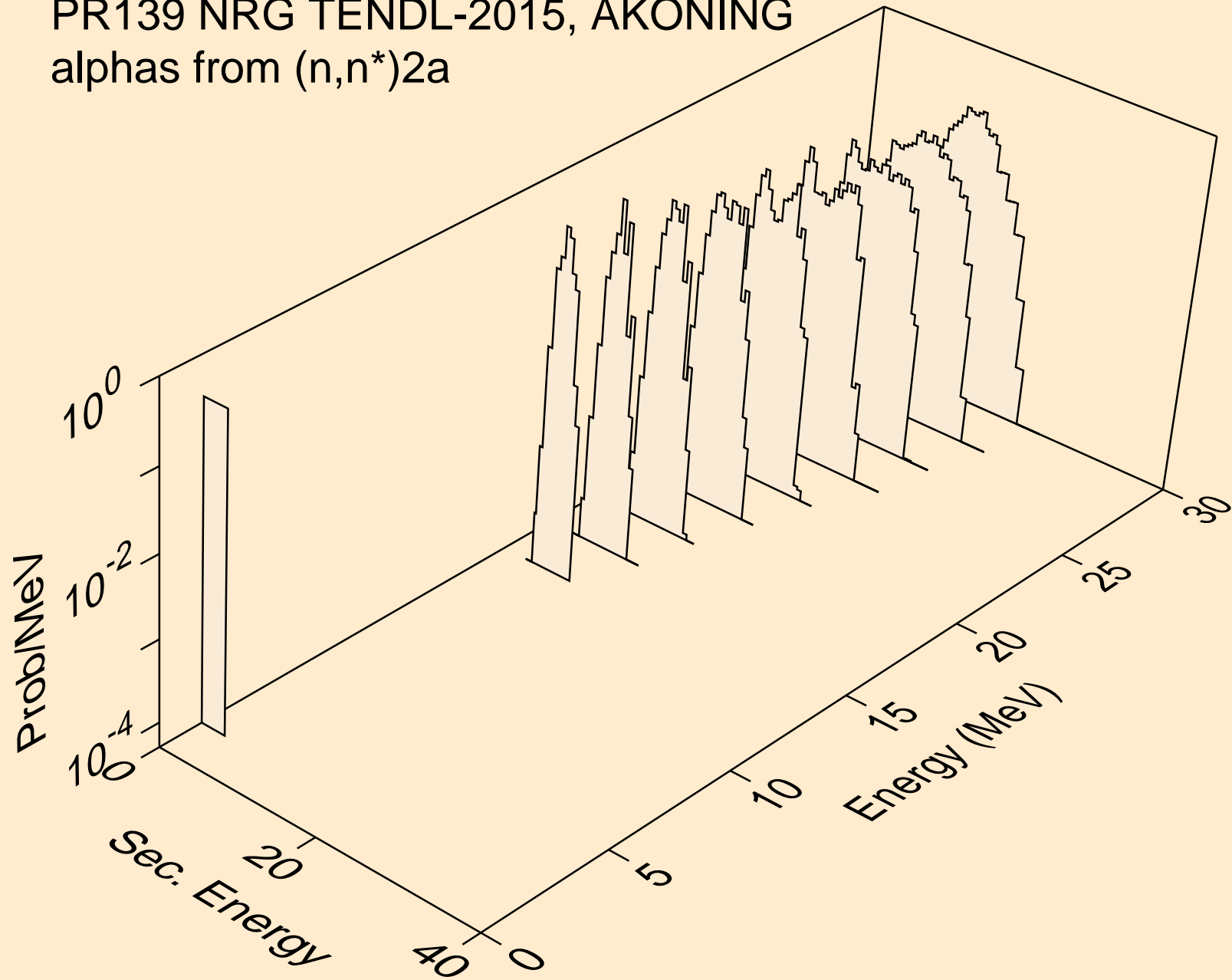




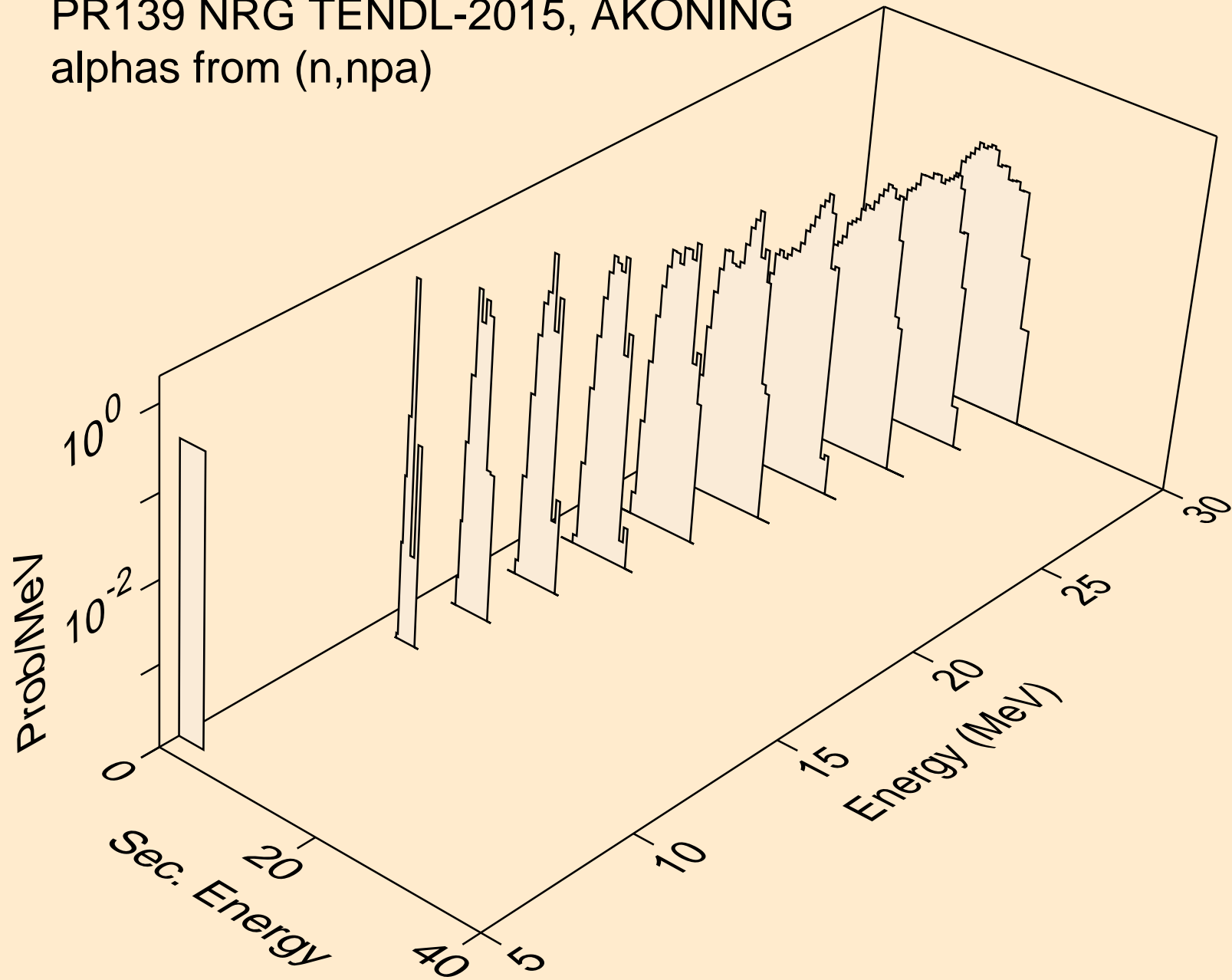
PR139 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



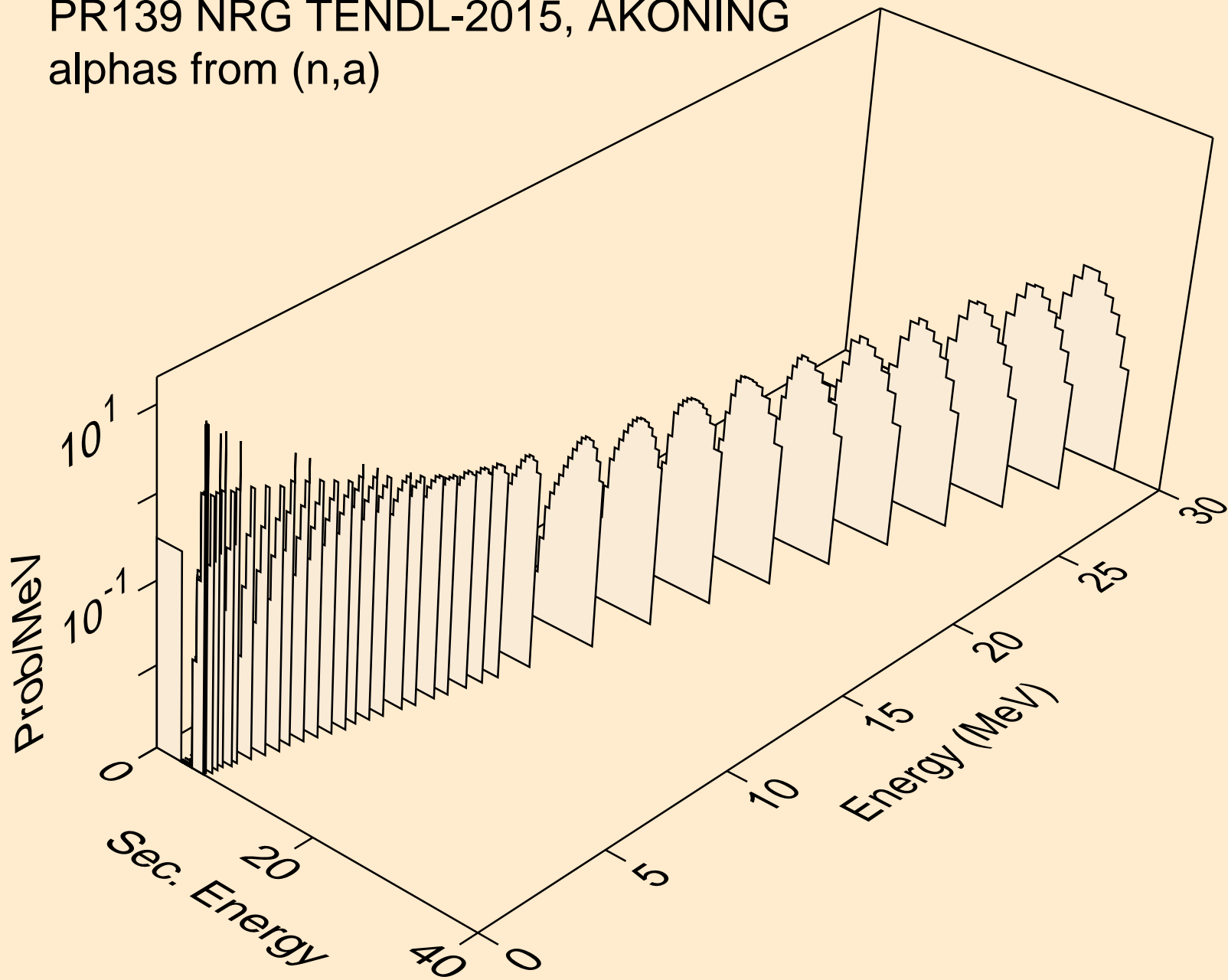
PR139 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



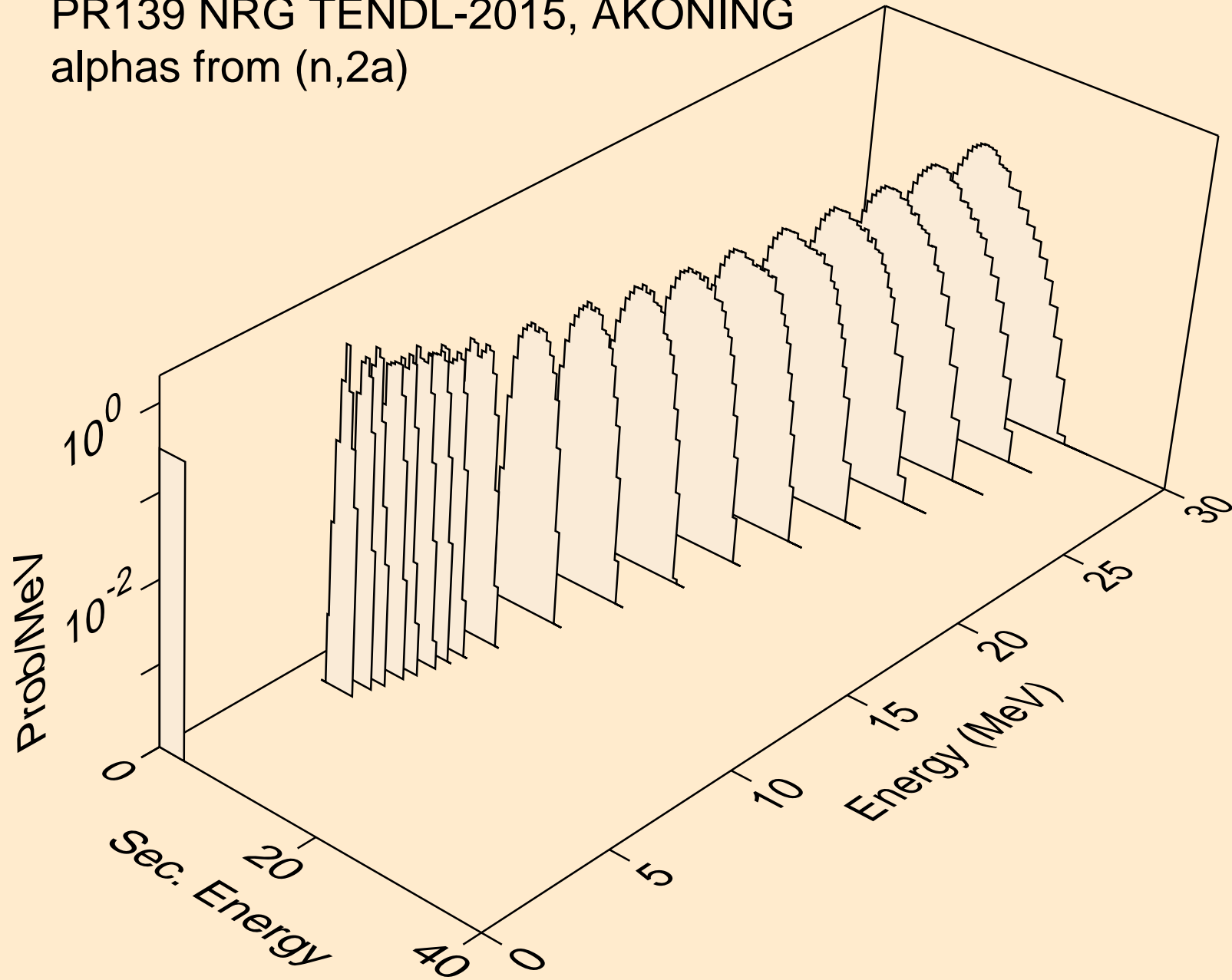
PR139 NRG TENDL-2015, AKONING  
alphas from (n,npa)



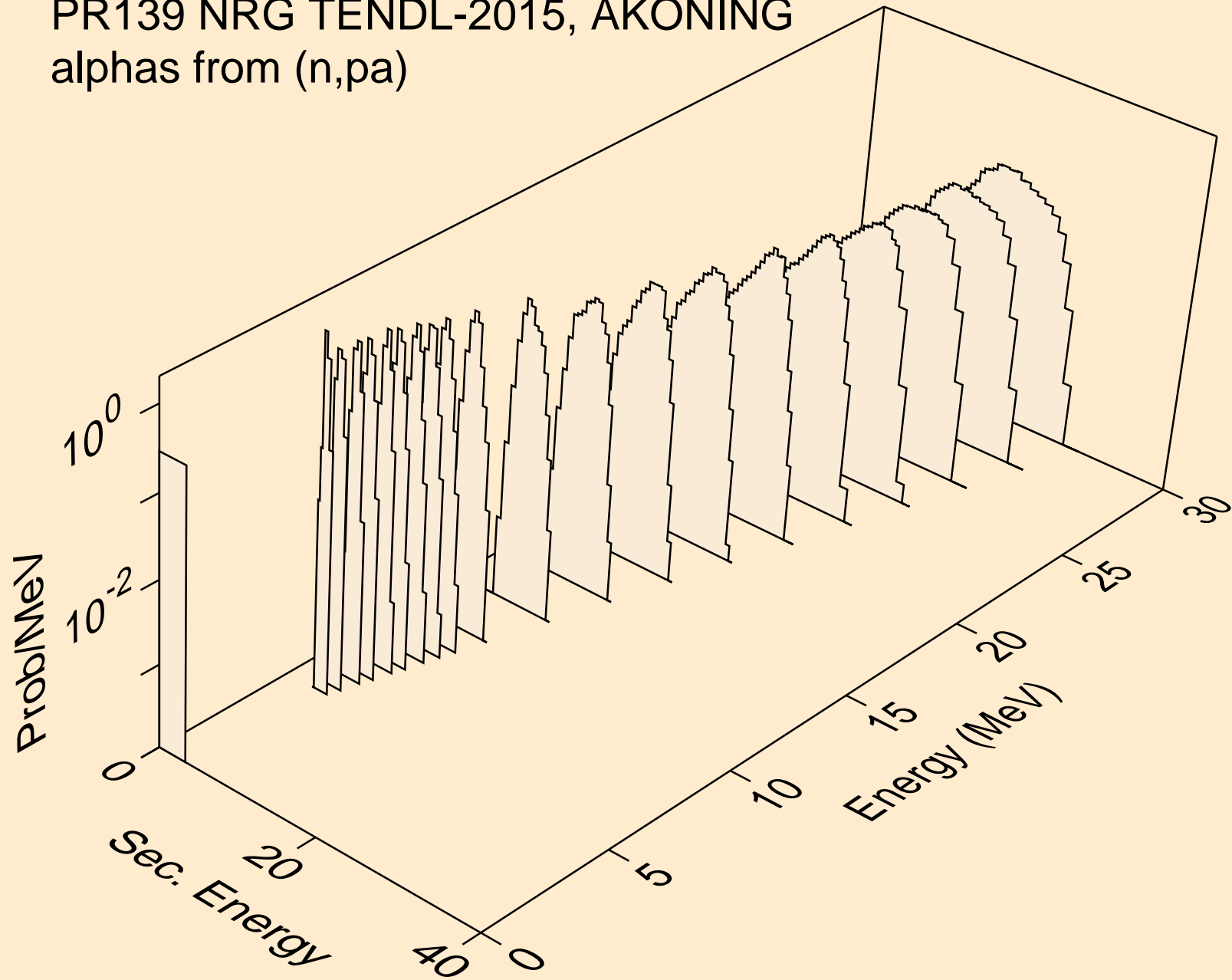
PR139 NRG TENDL-2015, AKONING  
alphas from (n,a)



PR139 NRG TENDL-2015, AKONING  
alphas from (n,2a)



PR139 NRG TENDL-2015, AKONING  
alphas from (n,pa)



PR139 NRG TENDL-2015, AKONING  
alphas from (n,da)

