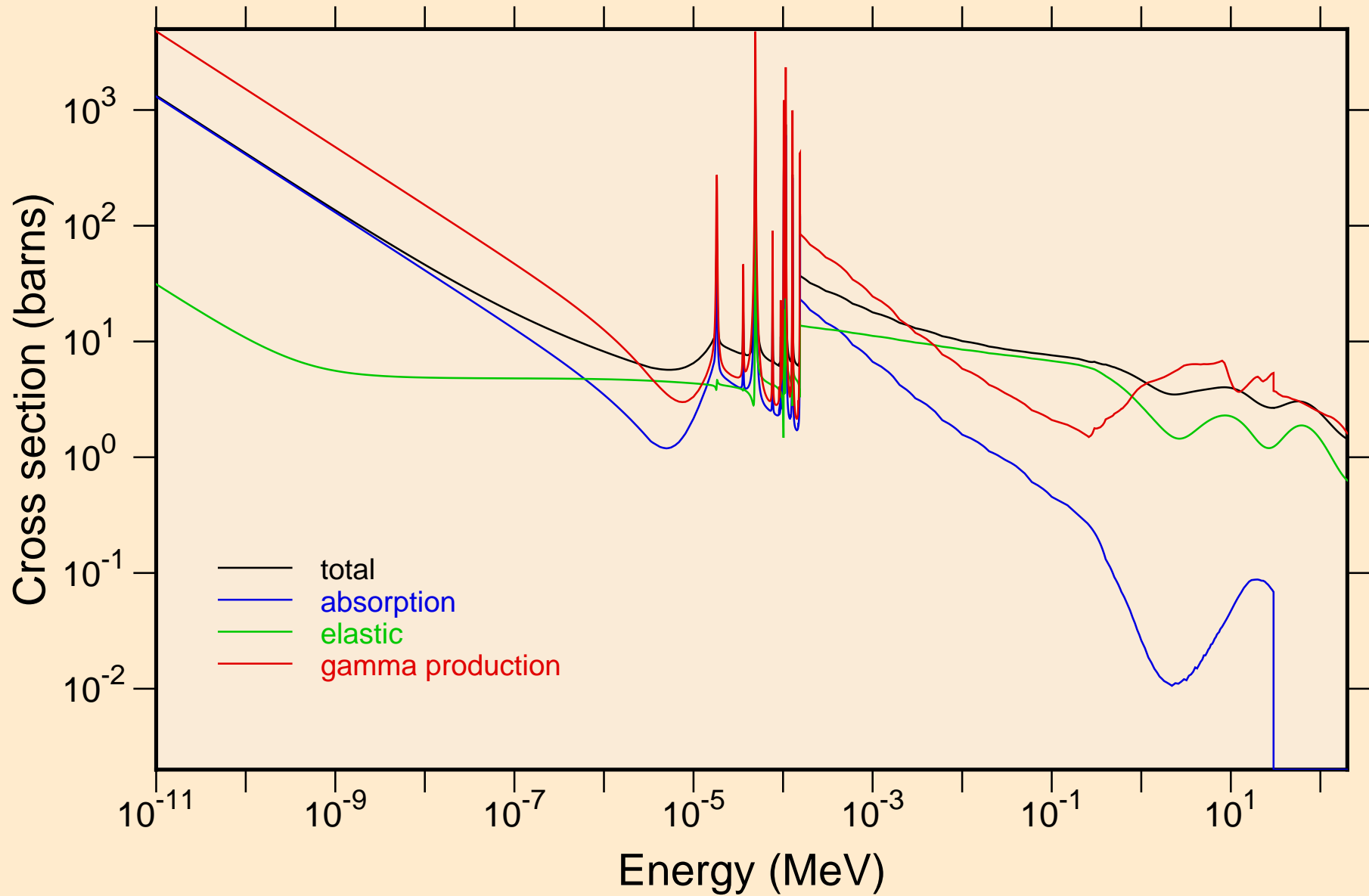
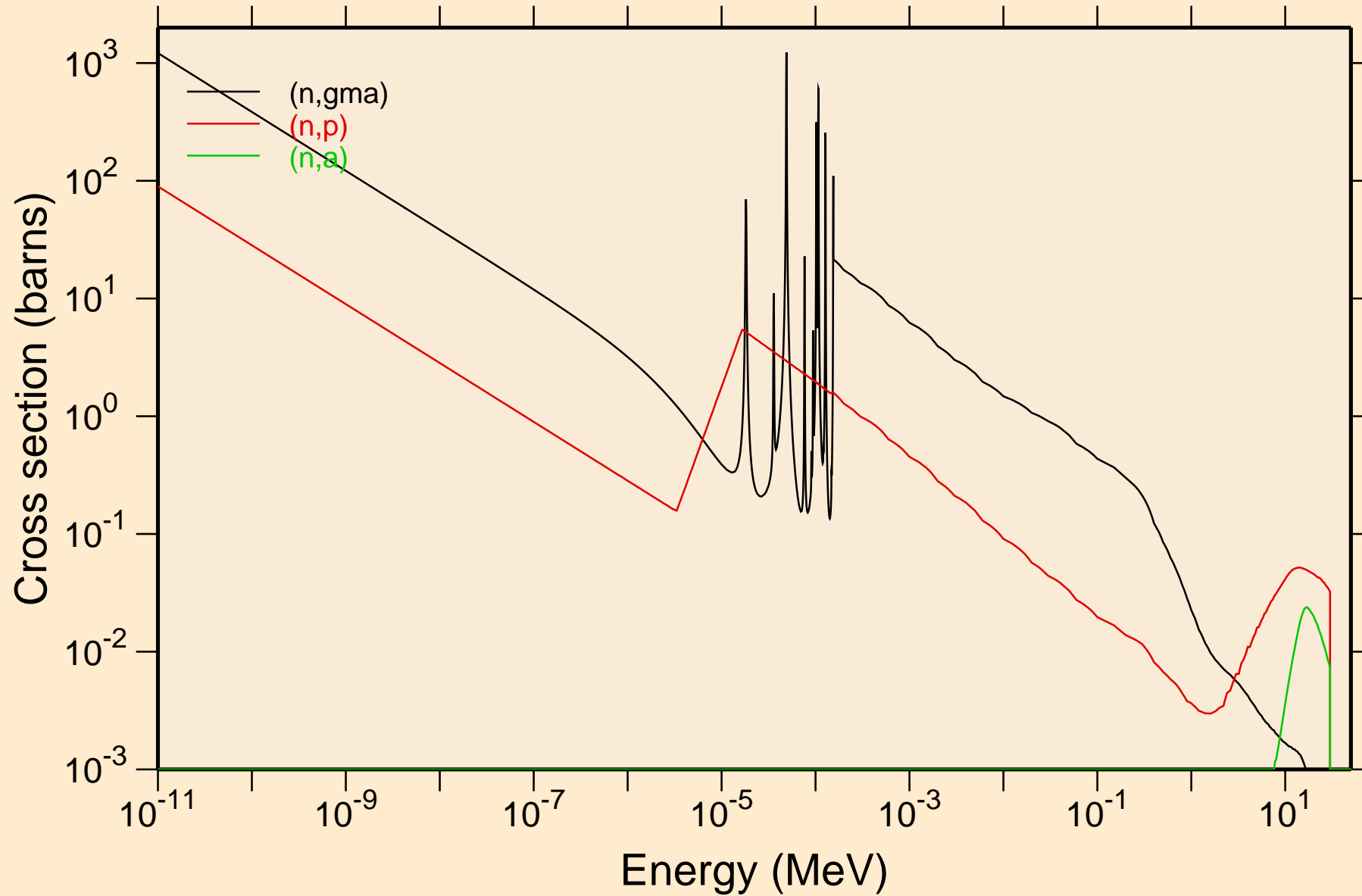


# BR080 NRG TENDL-2015, AKONING

## Principal cross sections

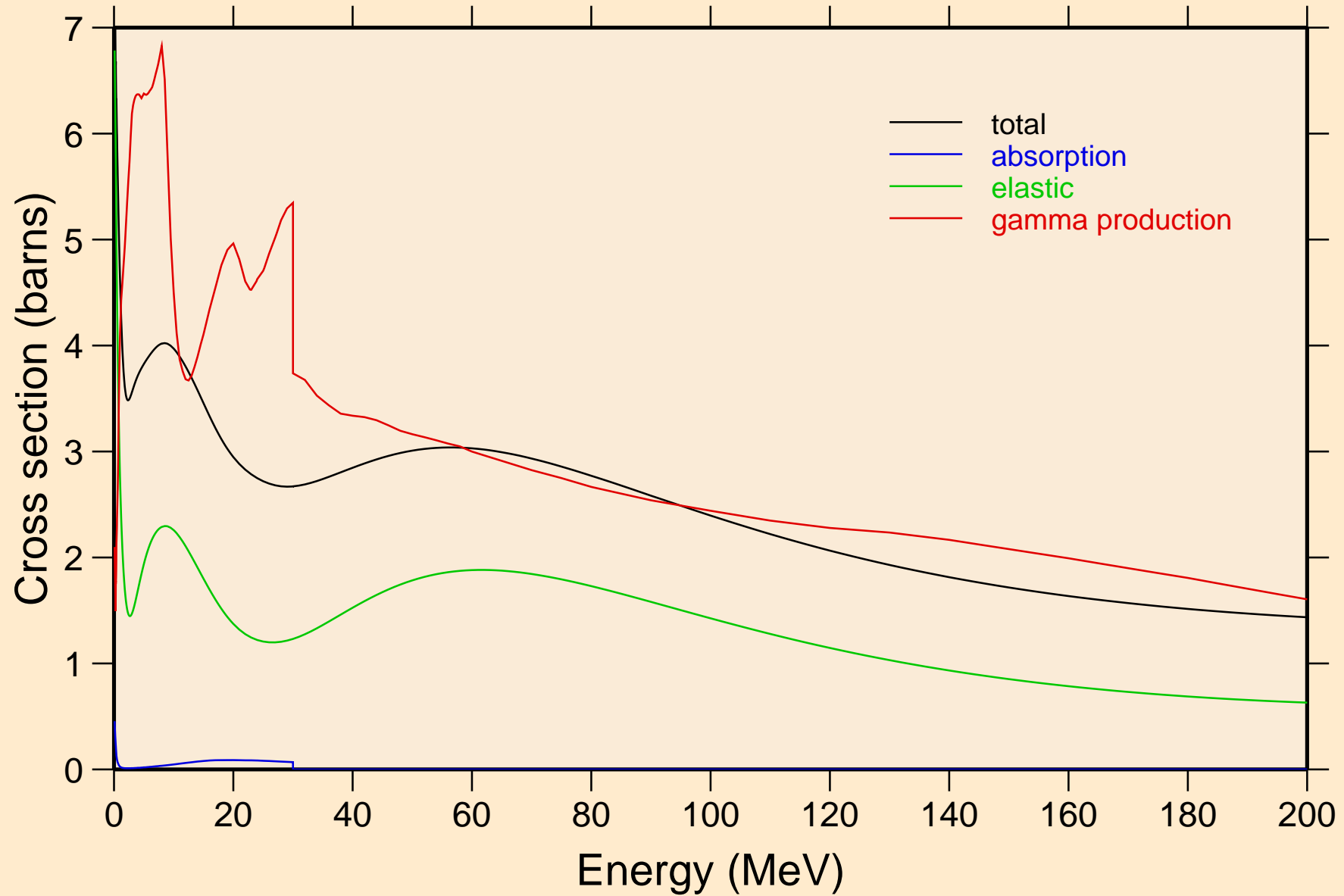


BR080 NRG TENDL-2015, AKONING  
Non-threshold reactions



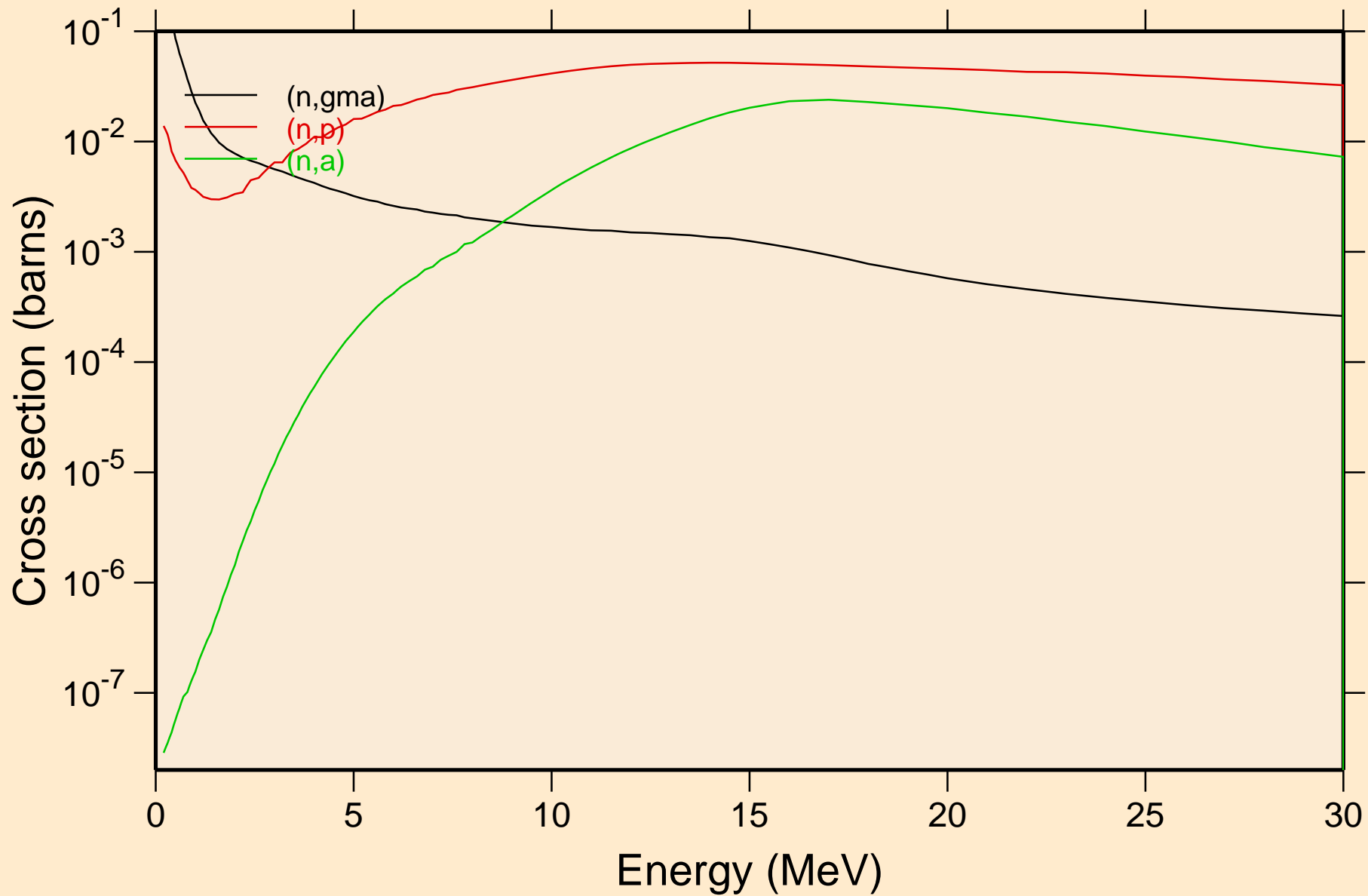
# BR080 NRG TENDL-2015, AKONING

## Principal cross sections



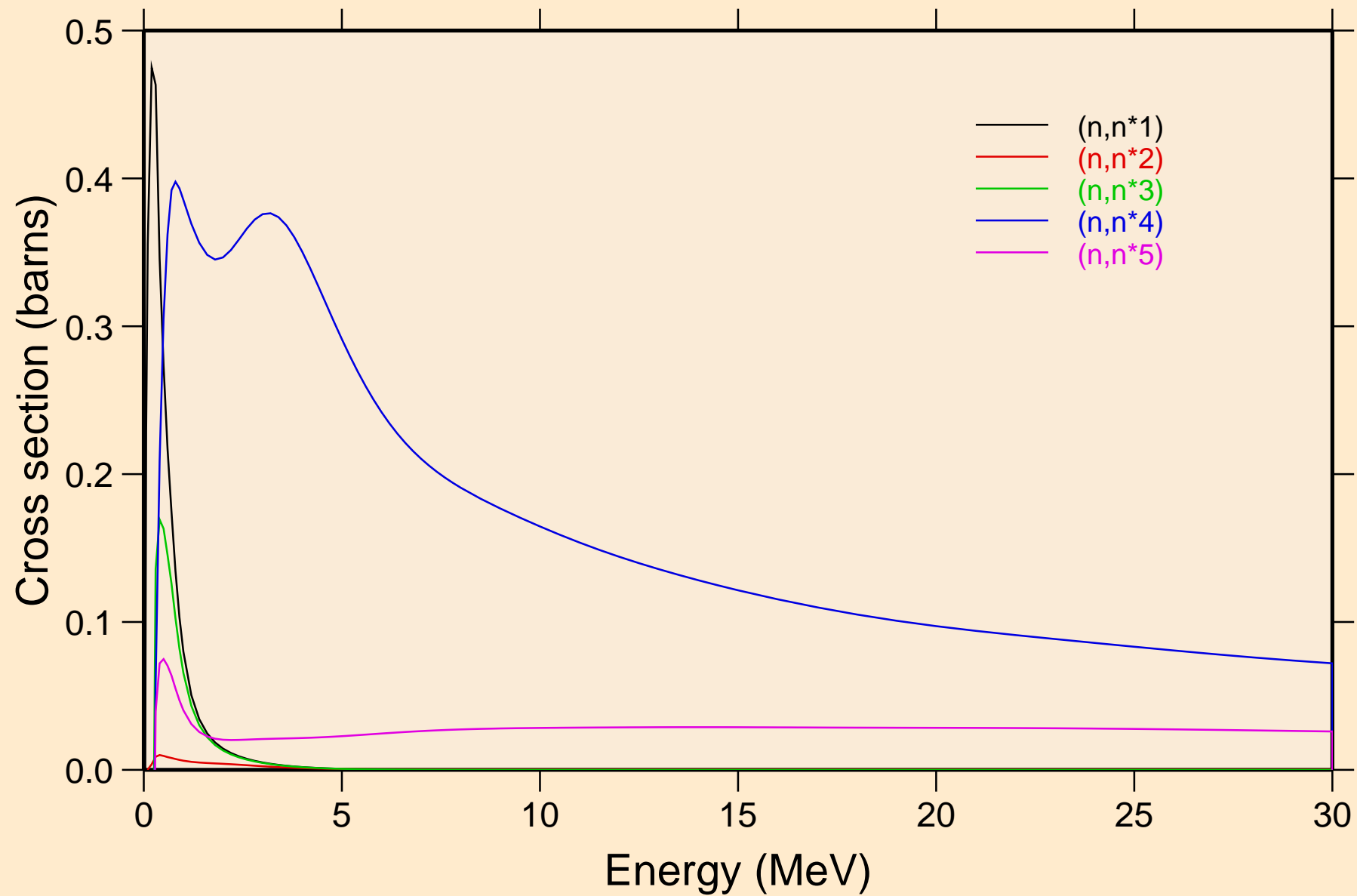
# BR080 NRG TENDL-2015, AKONING

## Non-threshold reactions



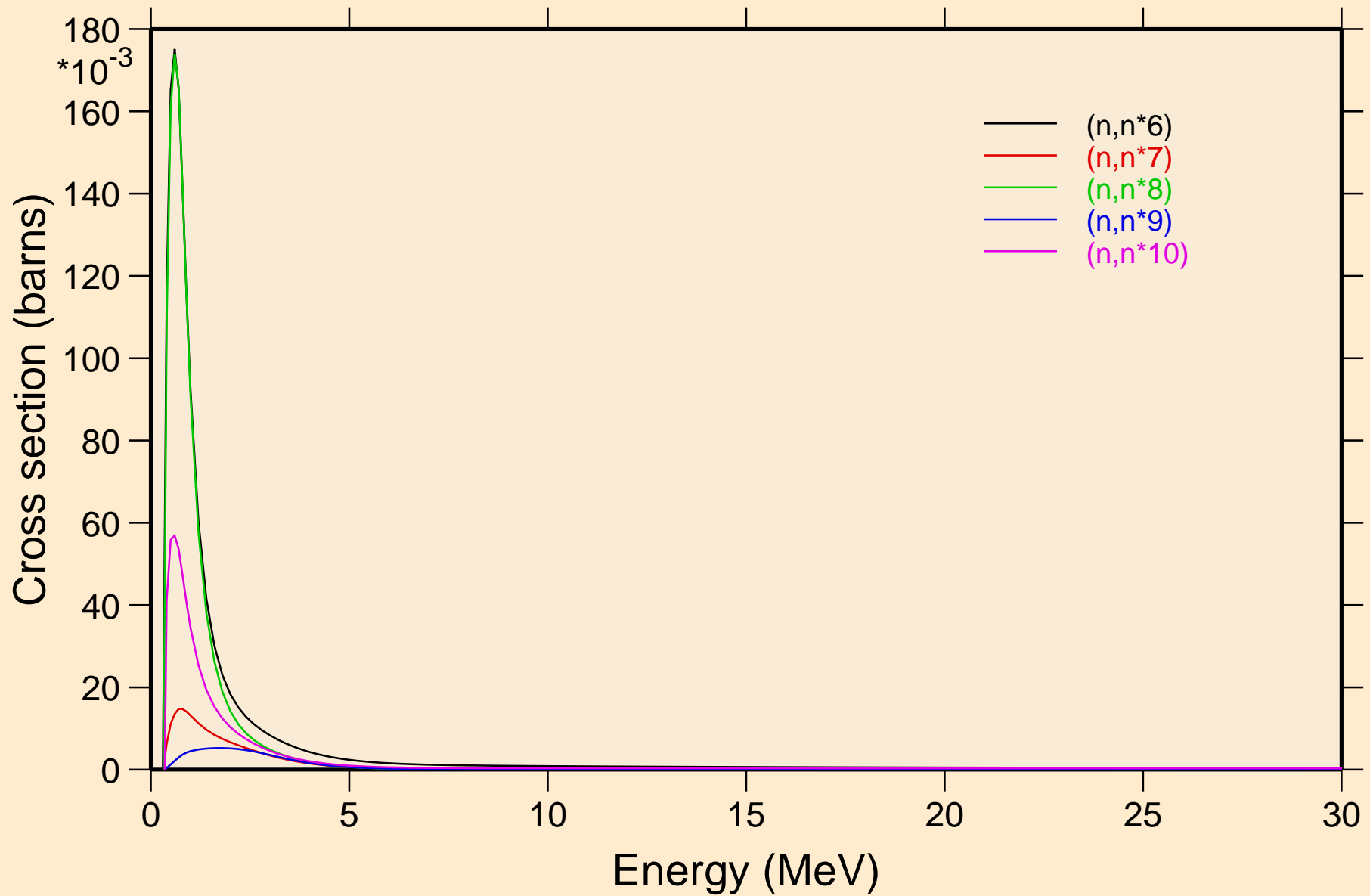
# BR080 NRG TENDL-2015, AKONING

## Inelastic levels



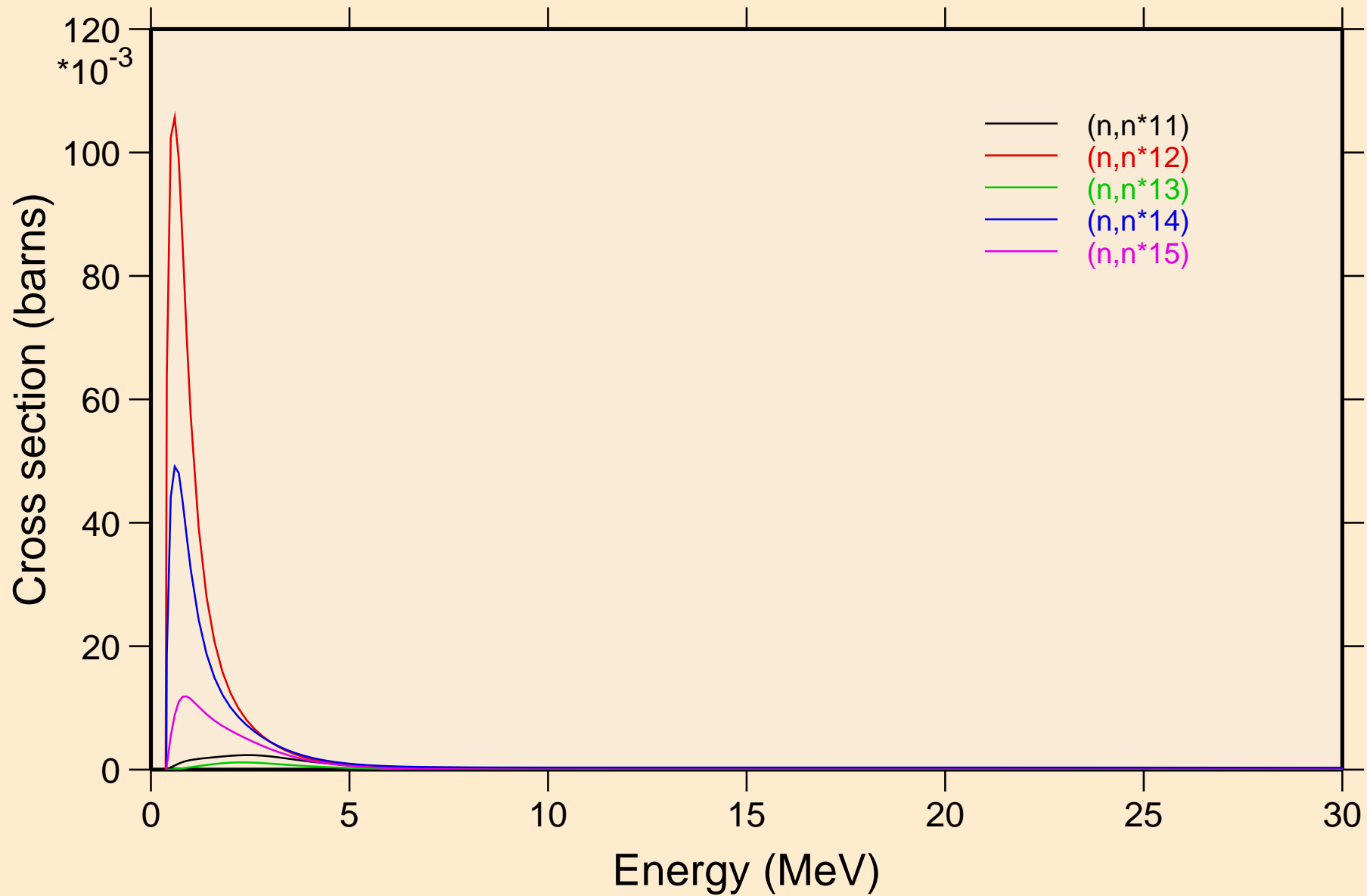
# BR080 NRG TENDL-2015, AKONING

## Inelastic levels



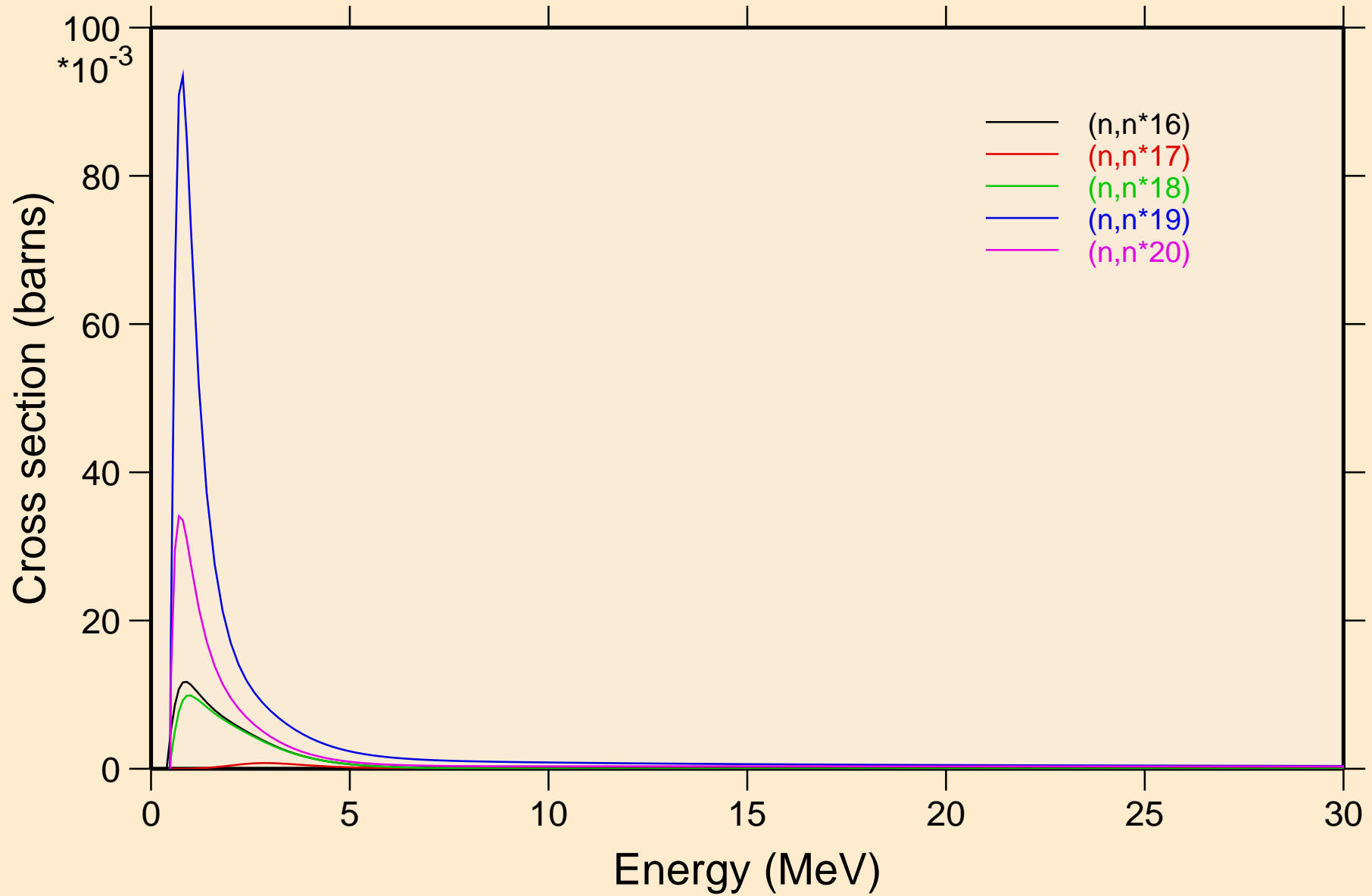
# BR080 NRG TENDL-2015, AKONING

## Inelastic levels



# BR080 NRG TENDL-2015, AKONING

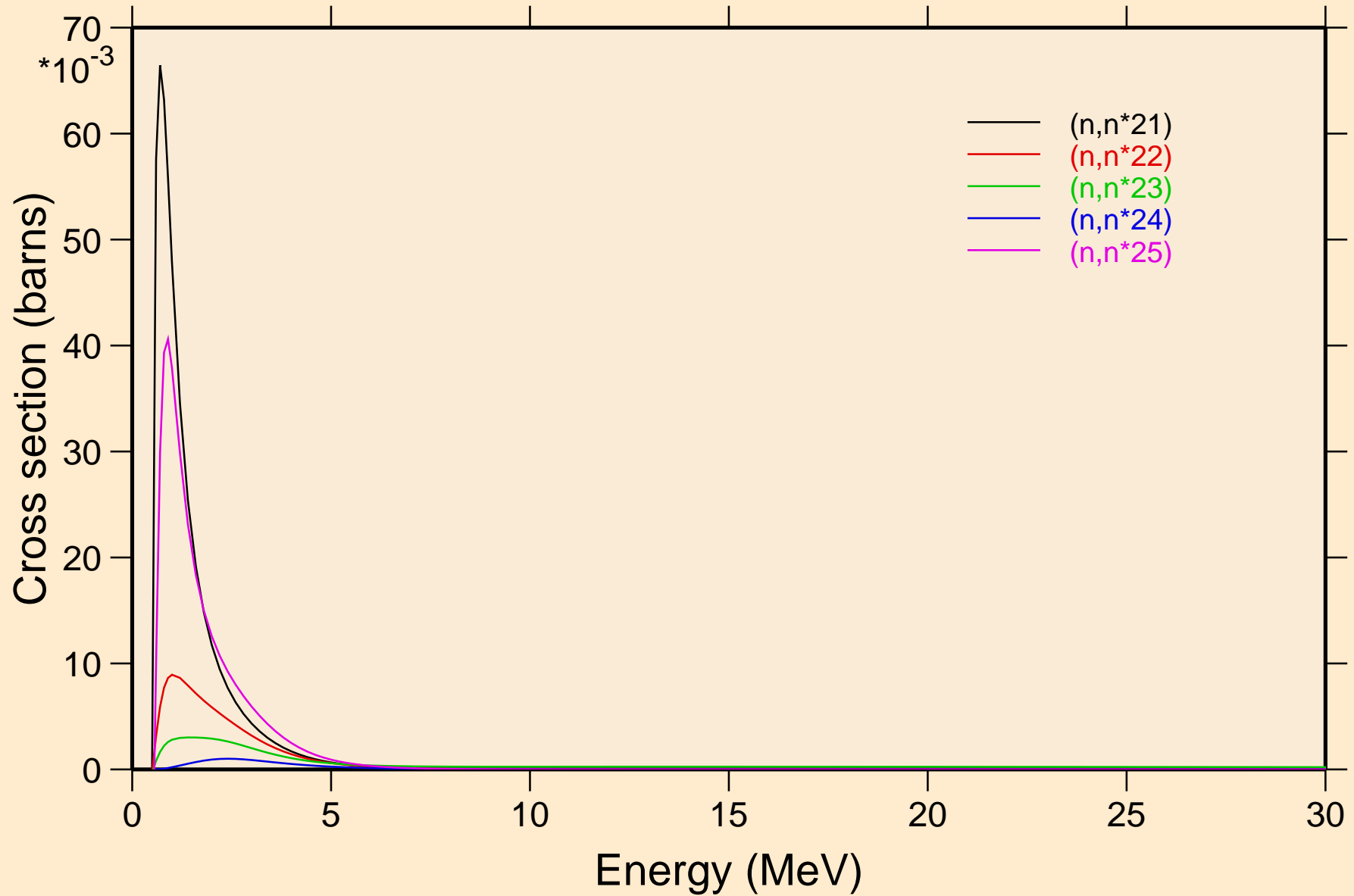
## Inelastic levels





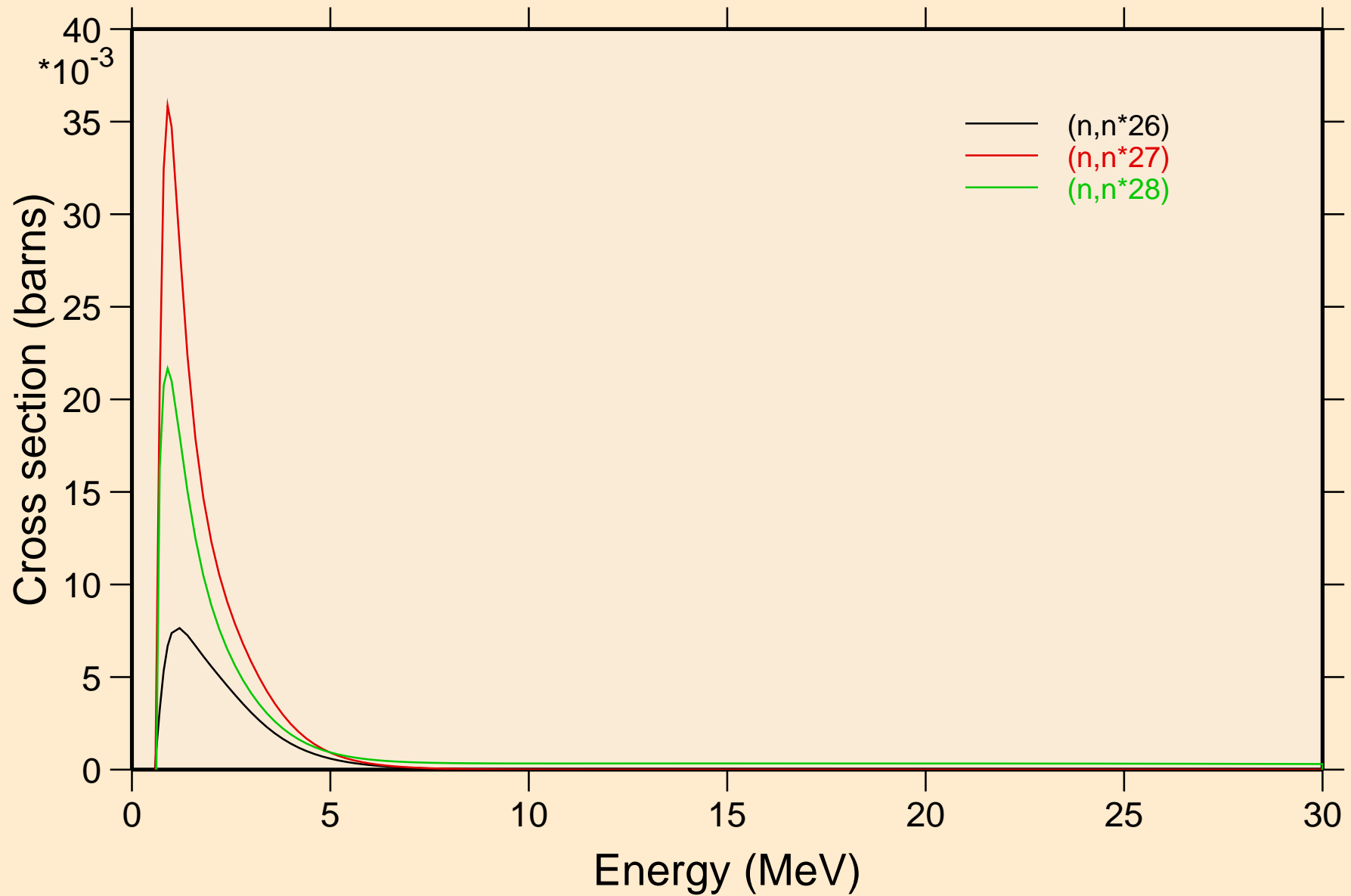
# BR080 NRG TENDL-2015, AKONING

## Inelastic levels



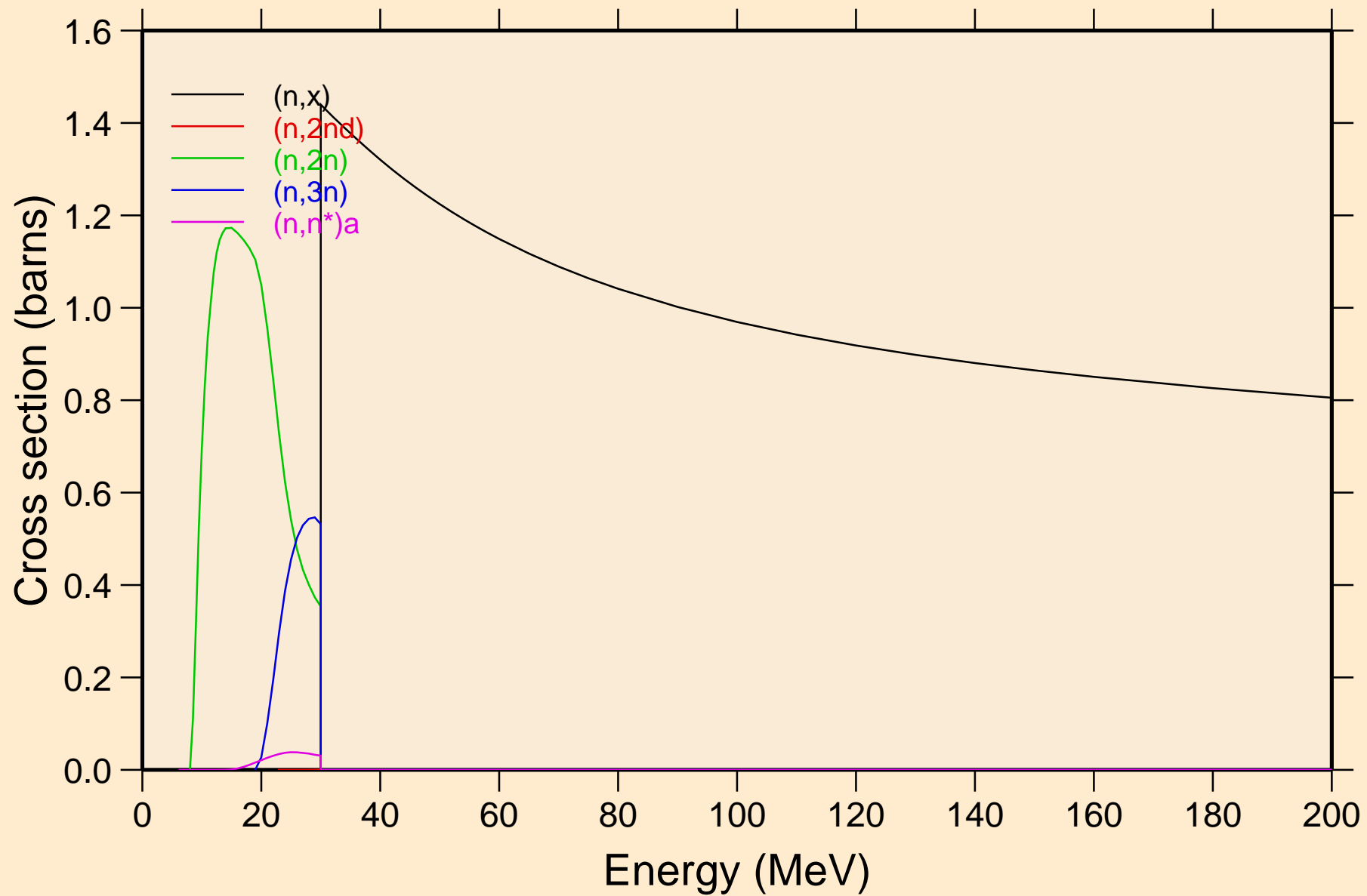
# BR080 NRG TENDL-2015, AKONING

## Inelastic levels



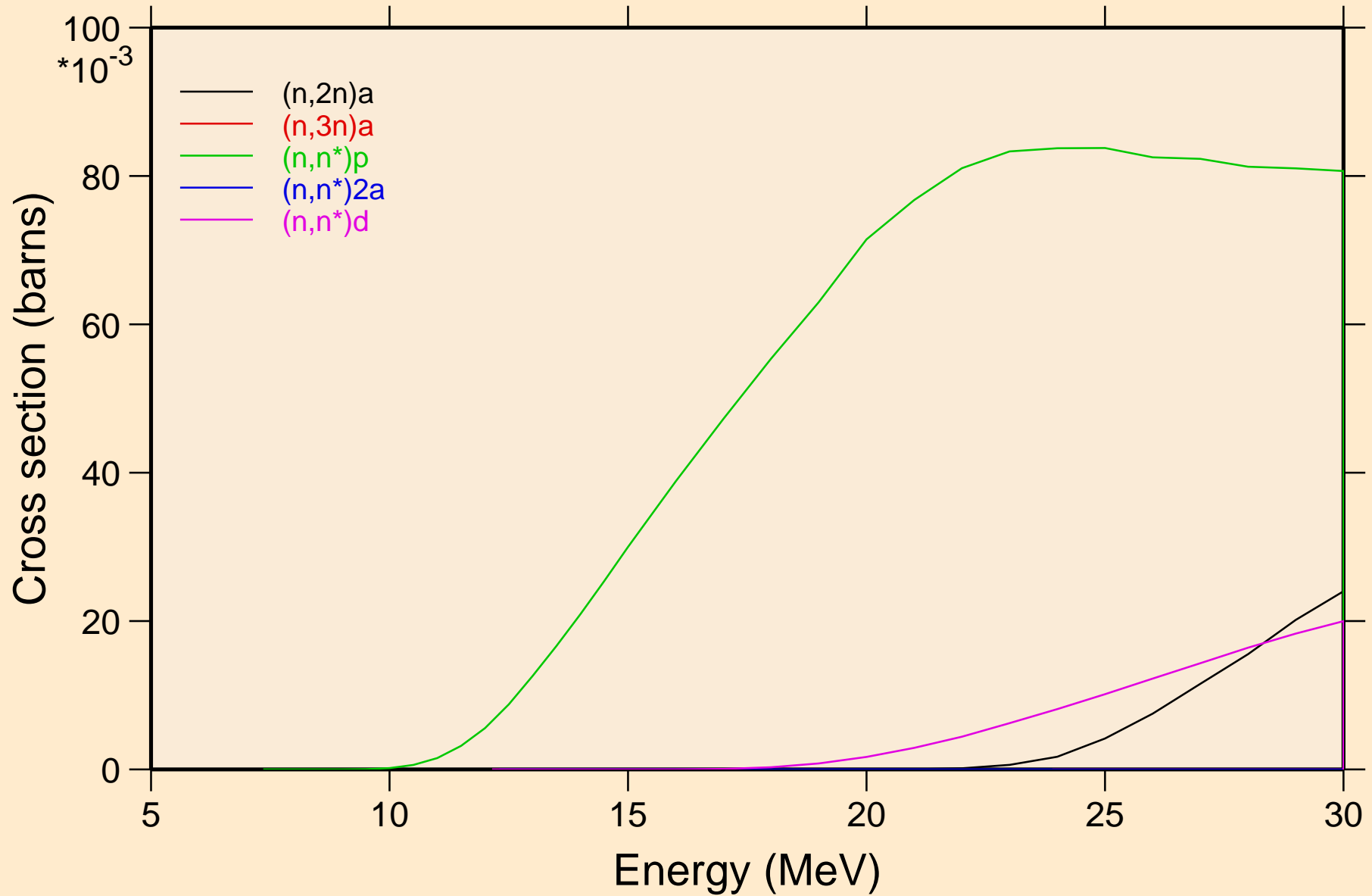
# BR080 NRG TENDL-2015, AKONING

## Threshold reactions



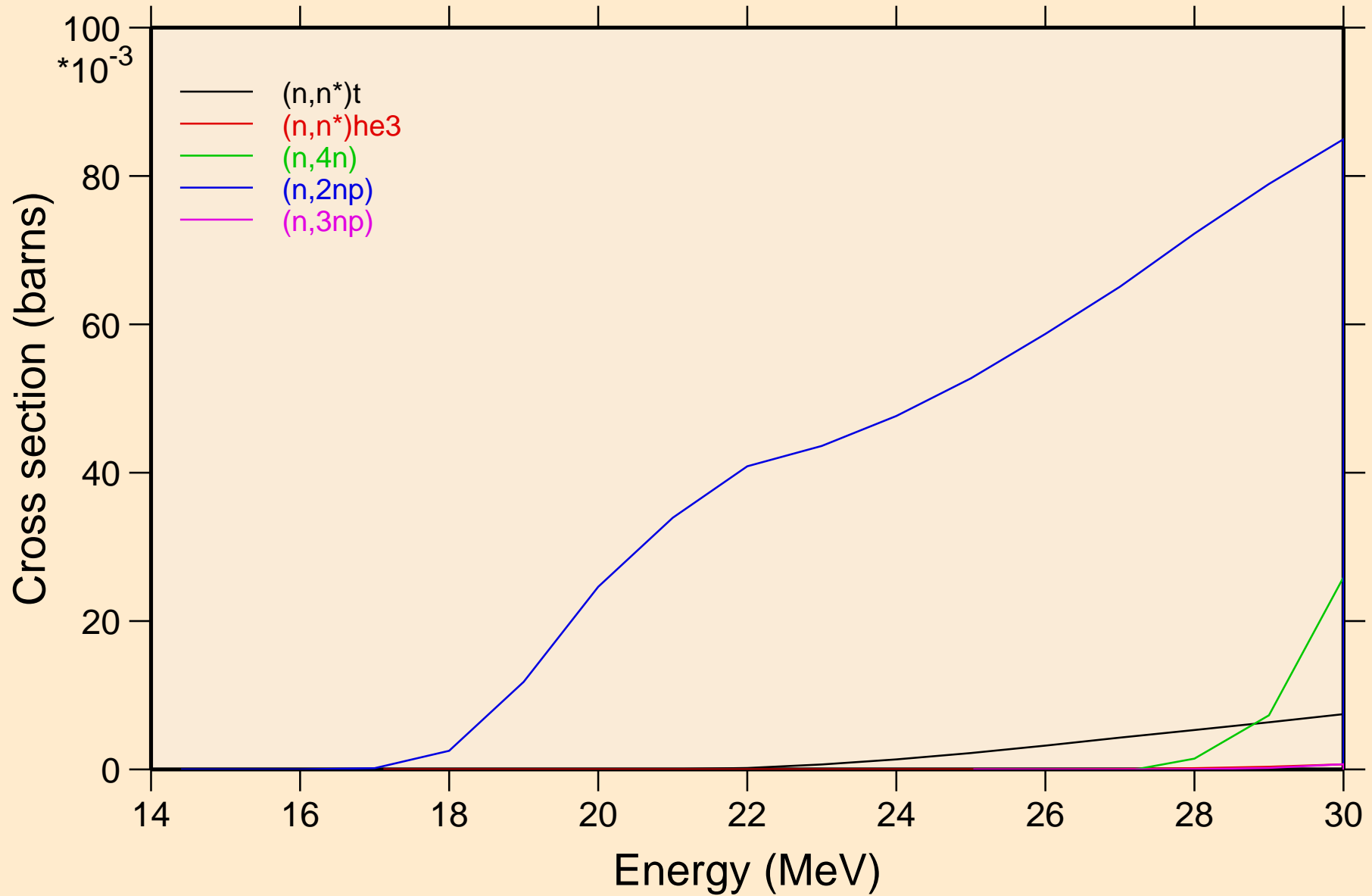
# BR080 NRG TENDL-2015, AKONING

## Threshold reactions



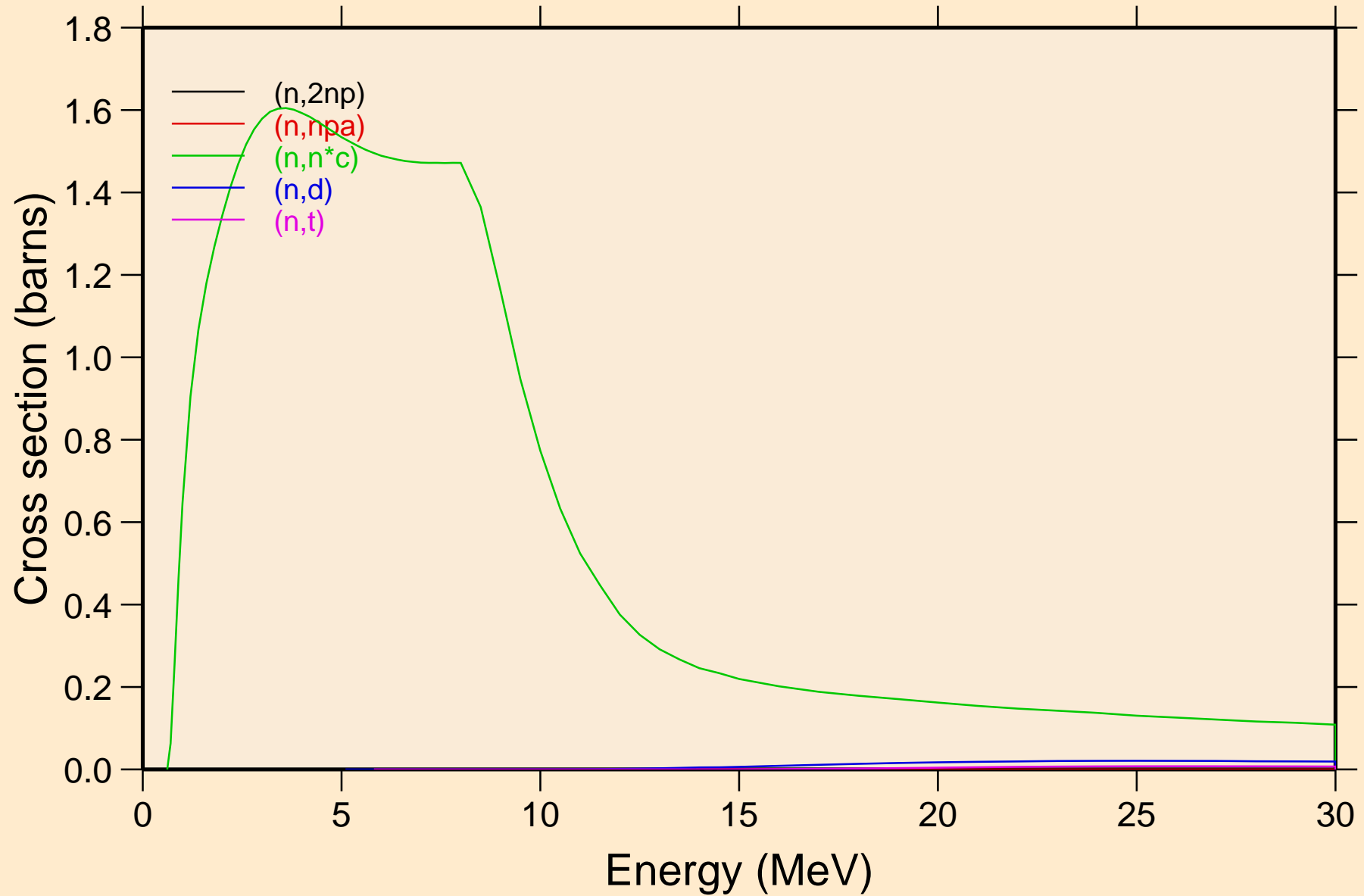
# BR080 NRG TENDL-2015, AKONING

## Threshold reactions



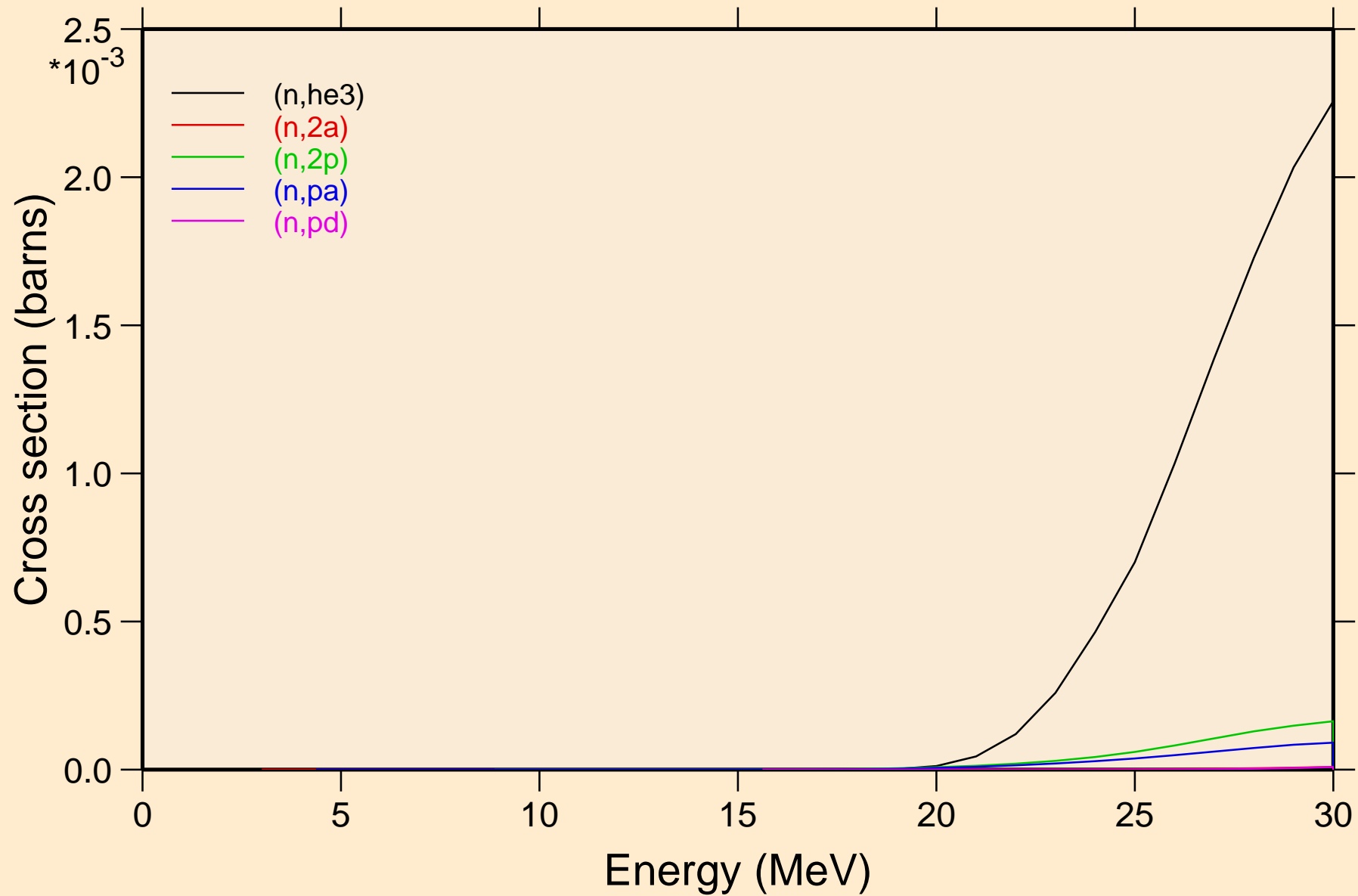
# BR080 NRG TENDL-2015, AKONING

## Threshold reactions



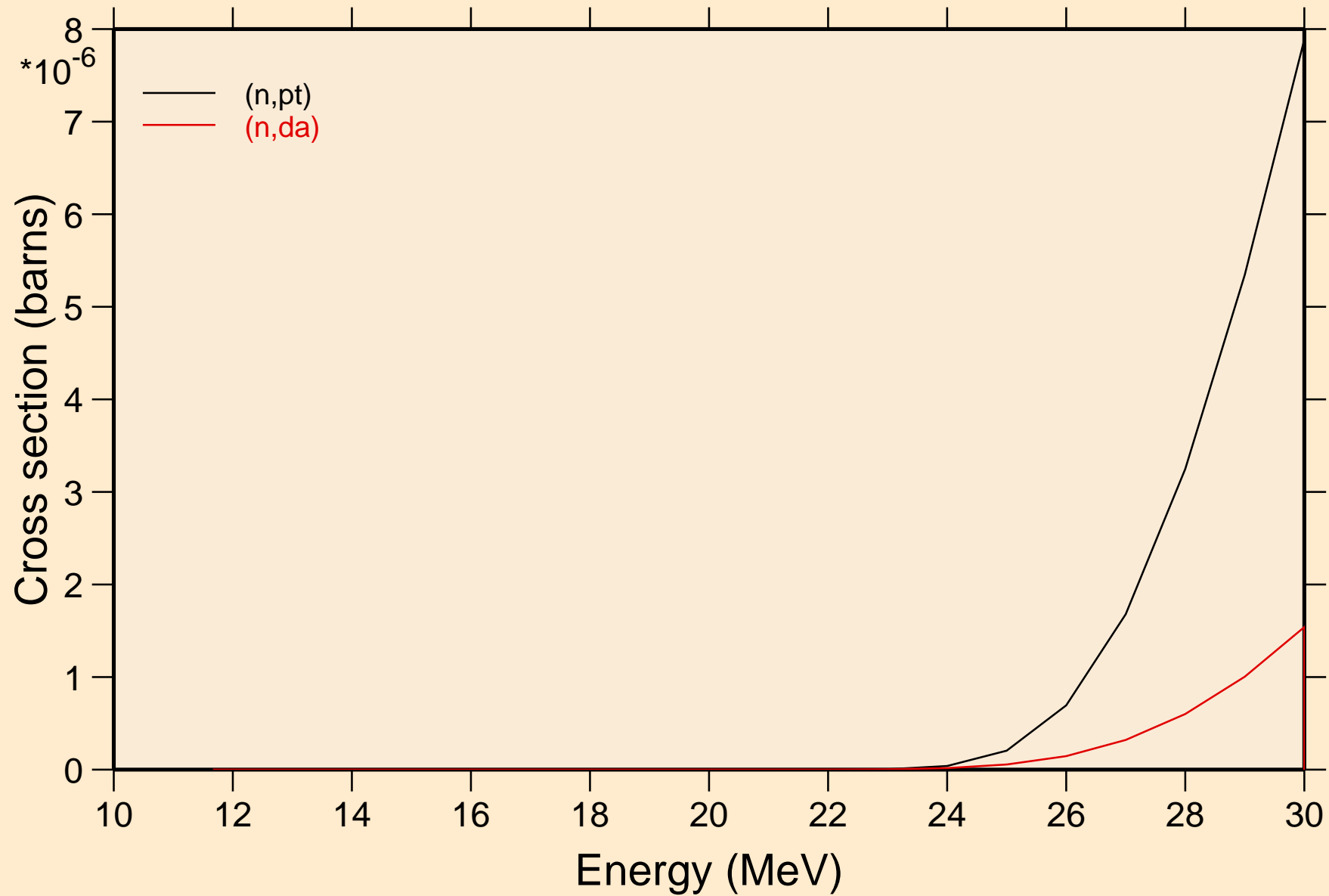
# BR080 NRG TENDL-2015, AKONING

## Threshold reactions



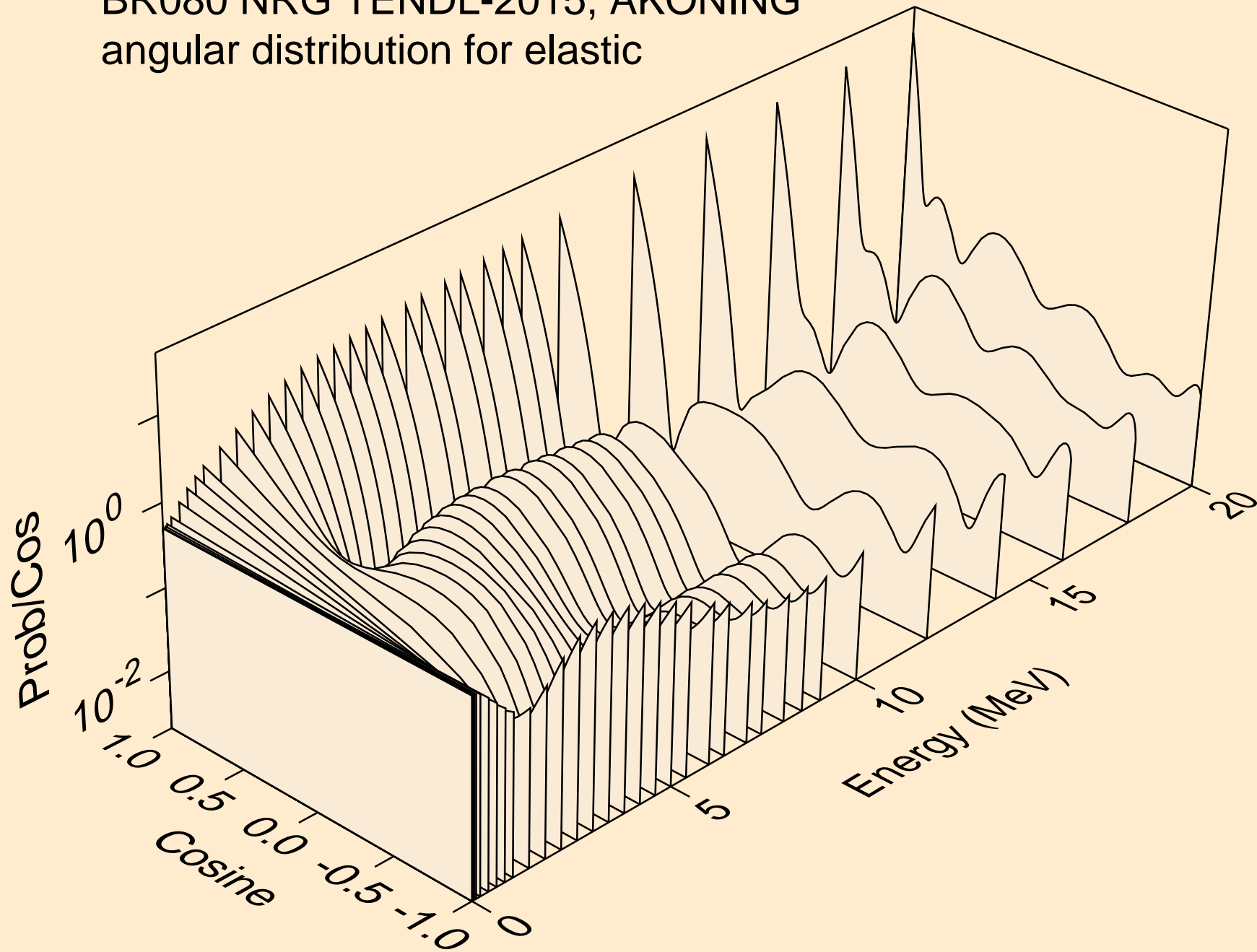
# BR080 NRG TENDL-2015, AKONING

## Threshold reactions

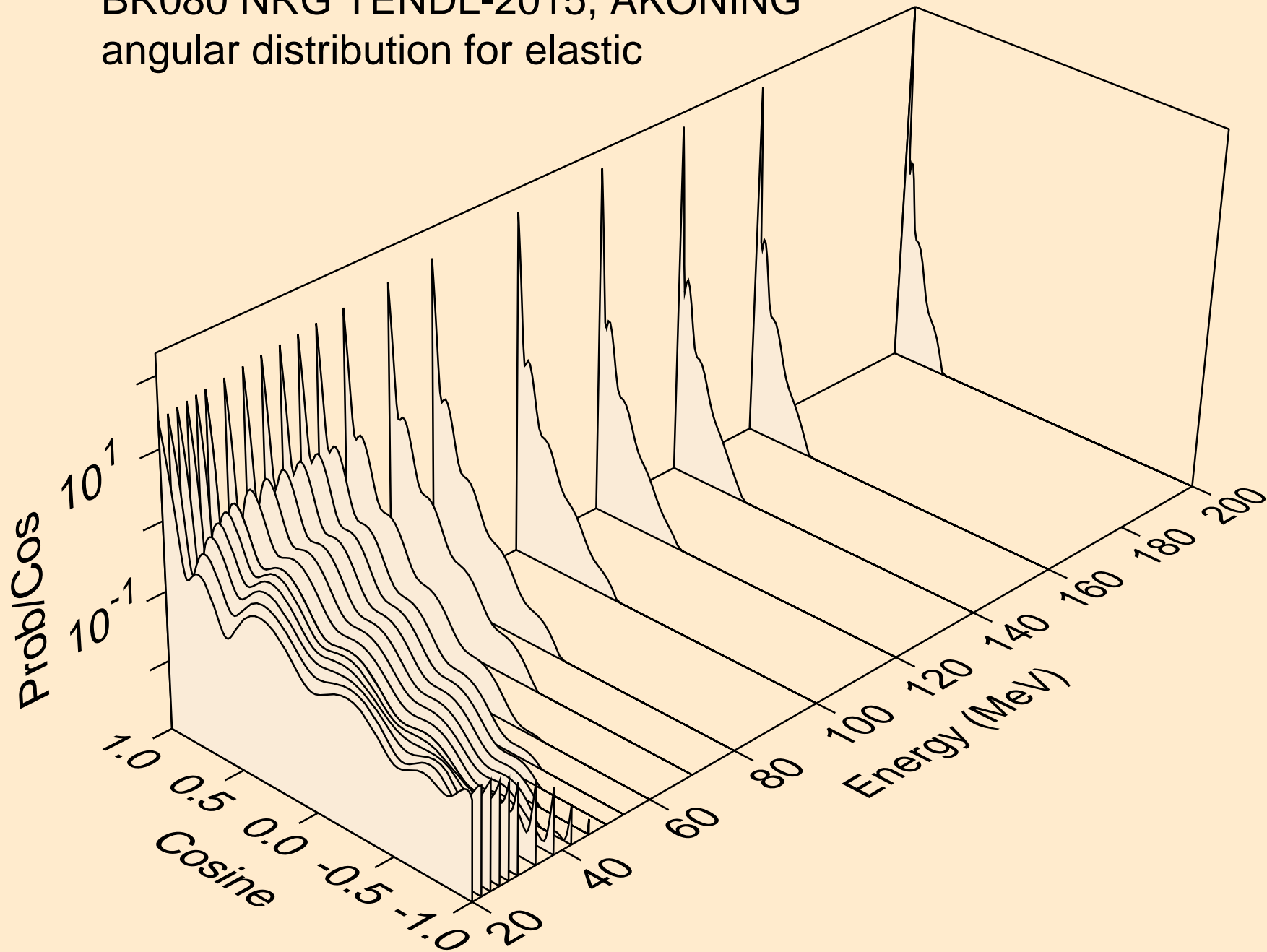




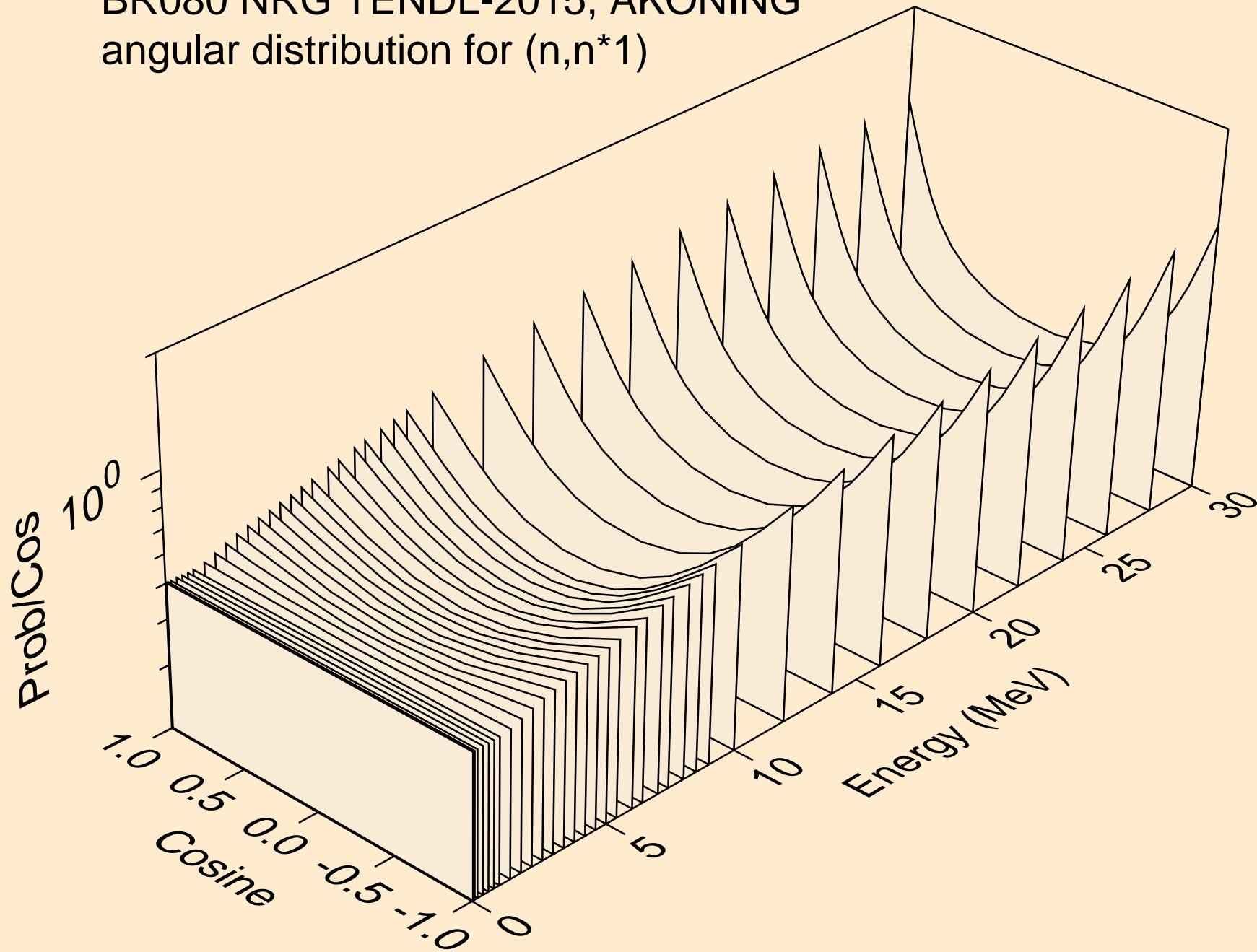
BR080 NRG TENDL-2015, AKONING  
angular distribution for elastic



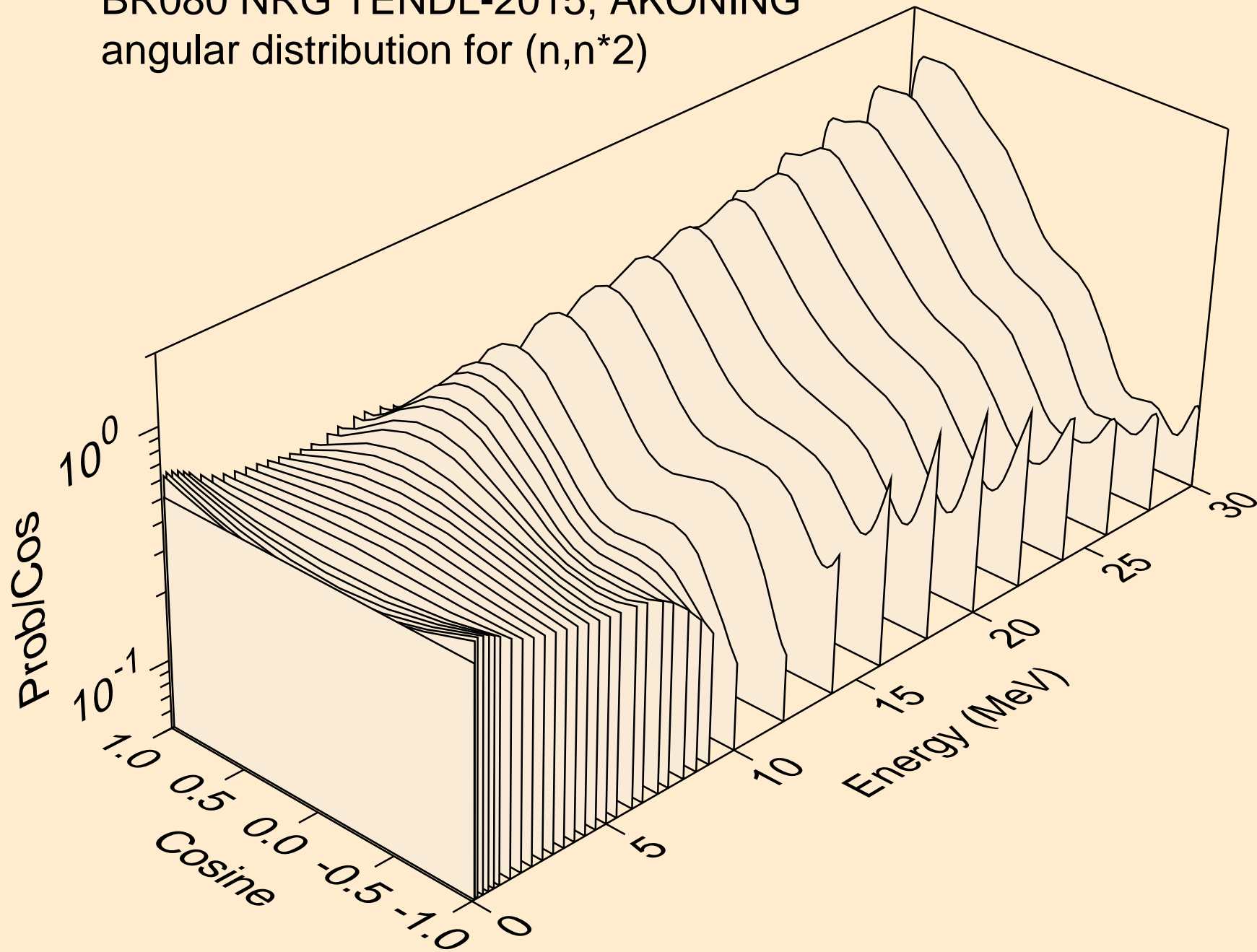
BR080 NRG TENDL-2015, AKONING  
angular distribution for elastic



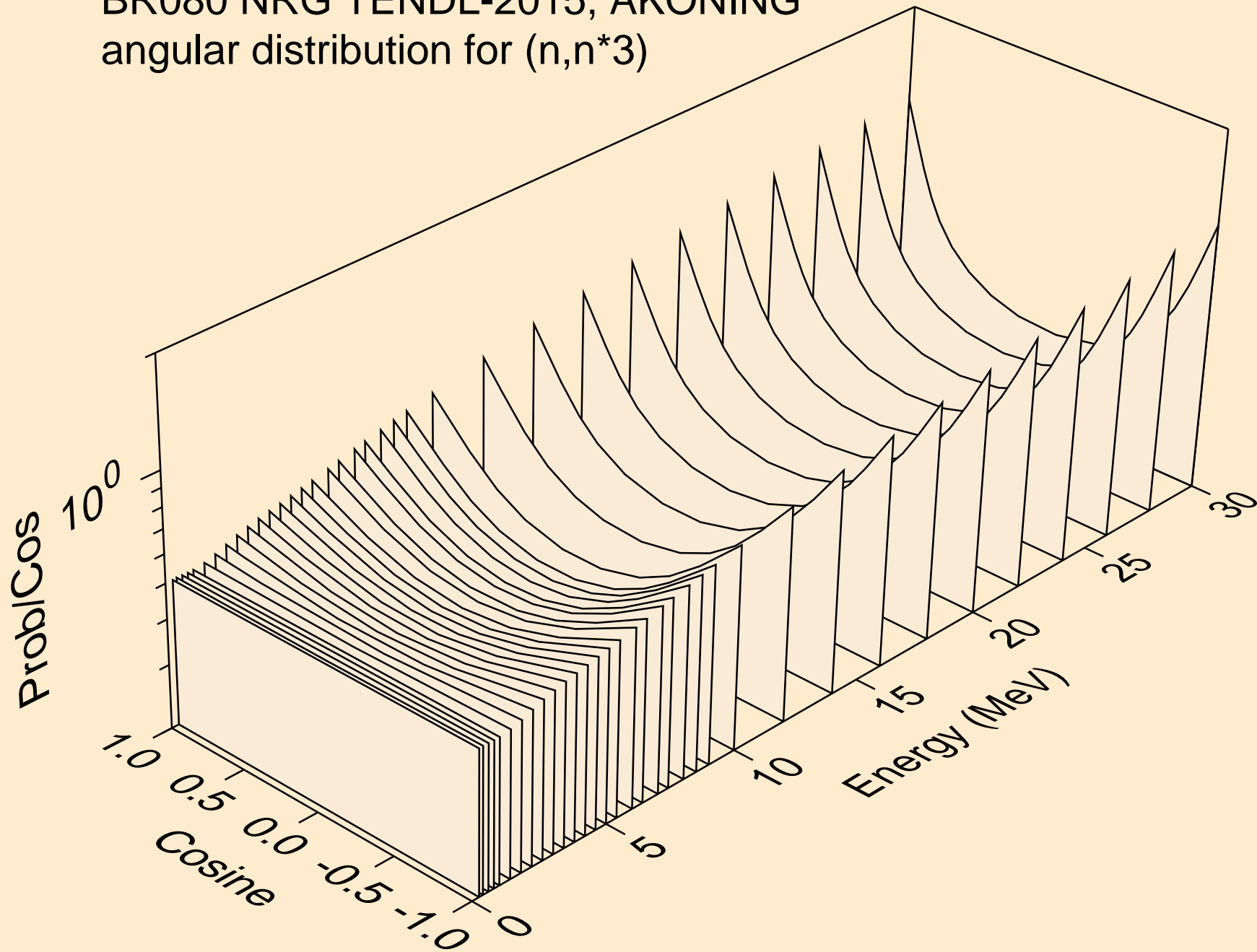
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



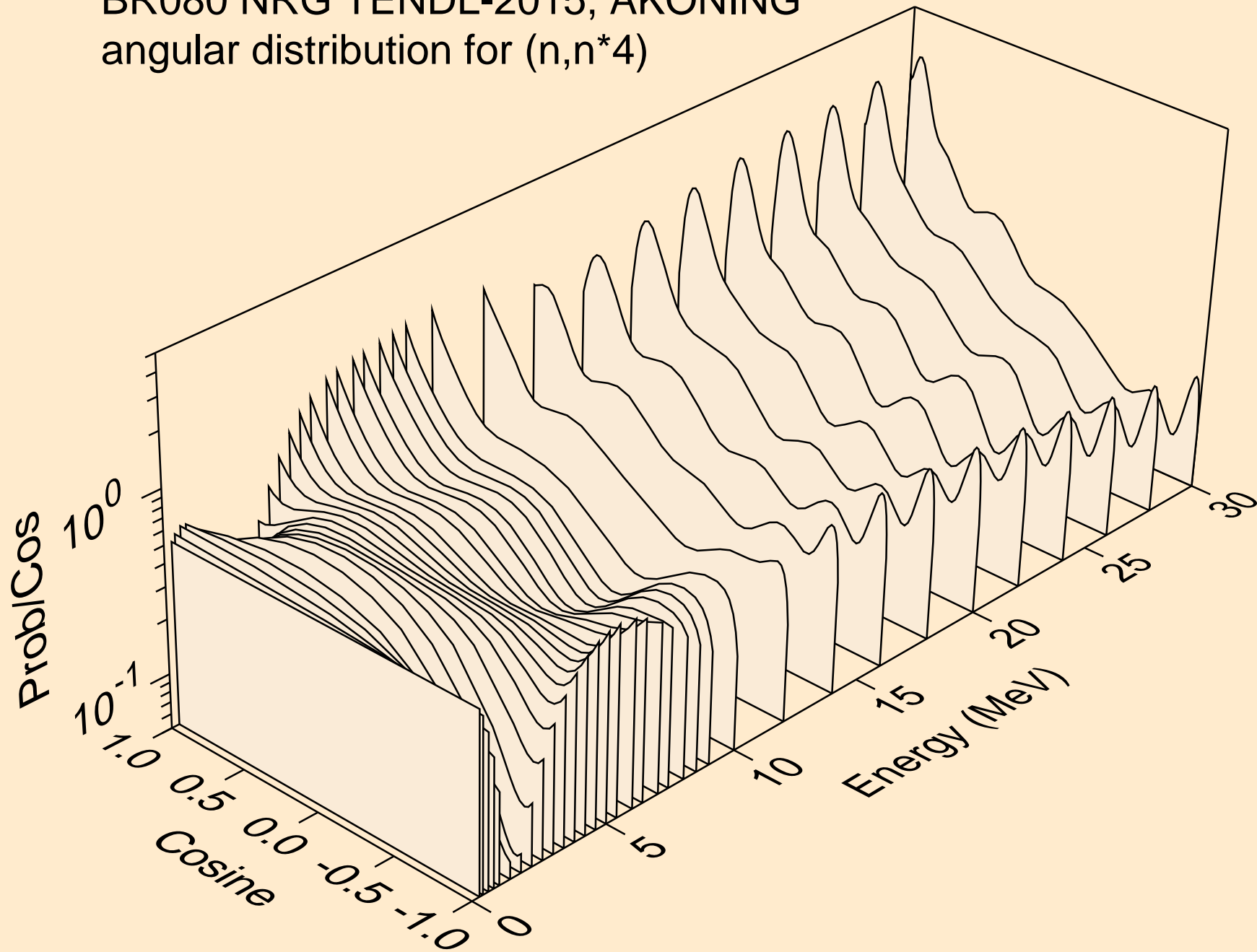
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



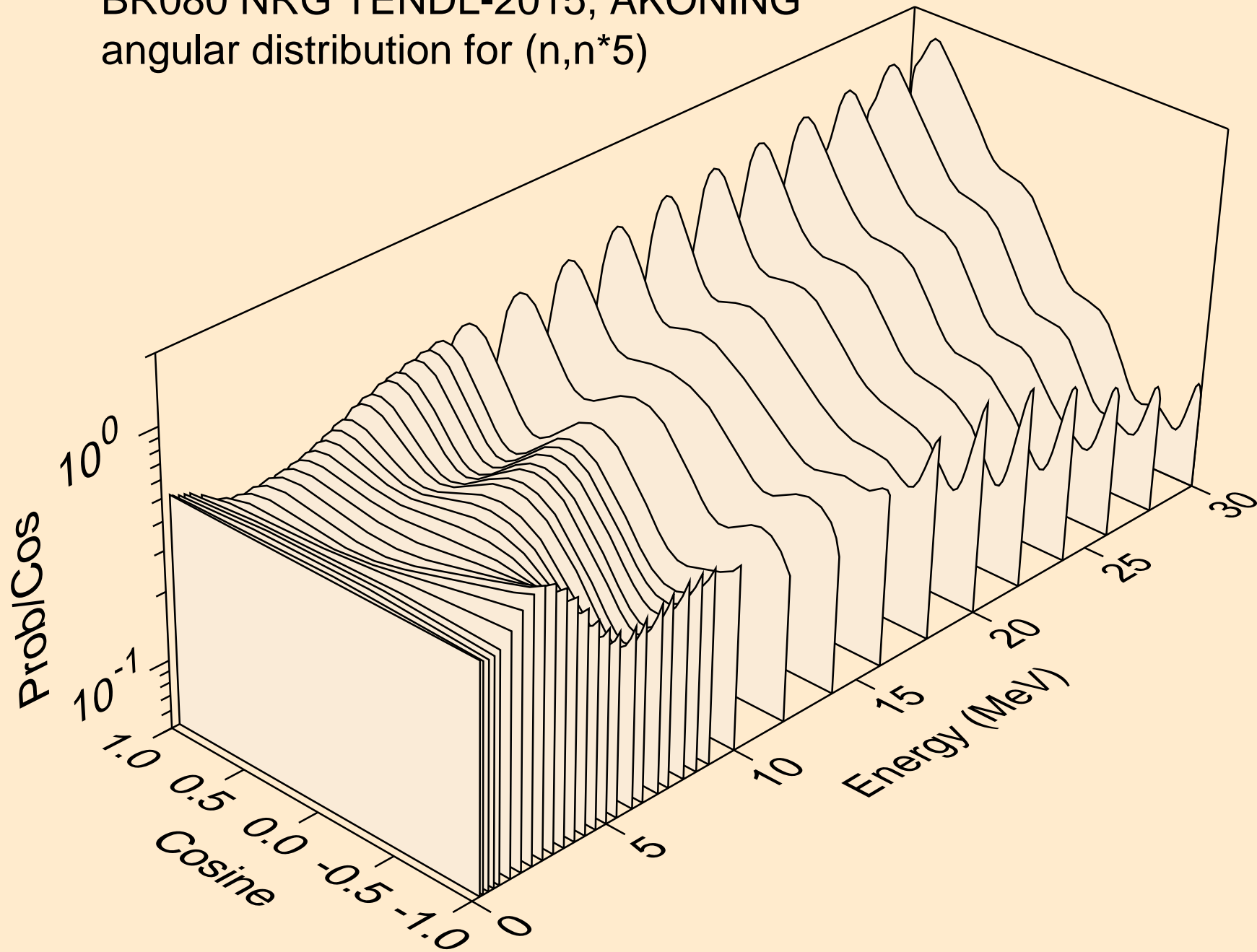
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



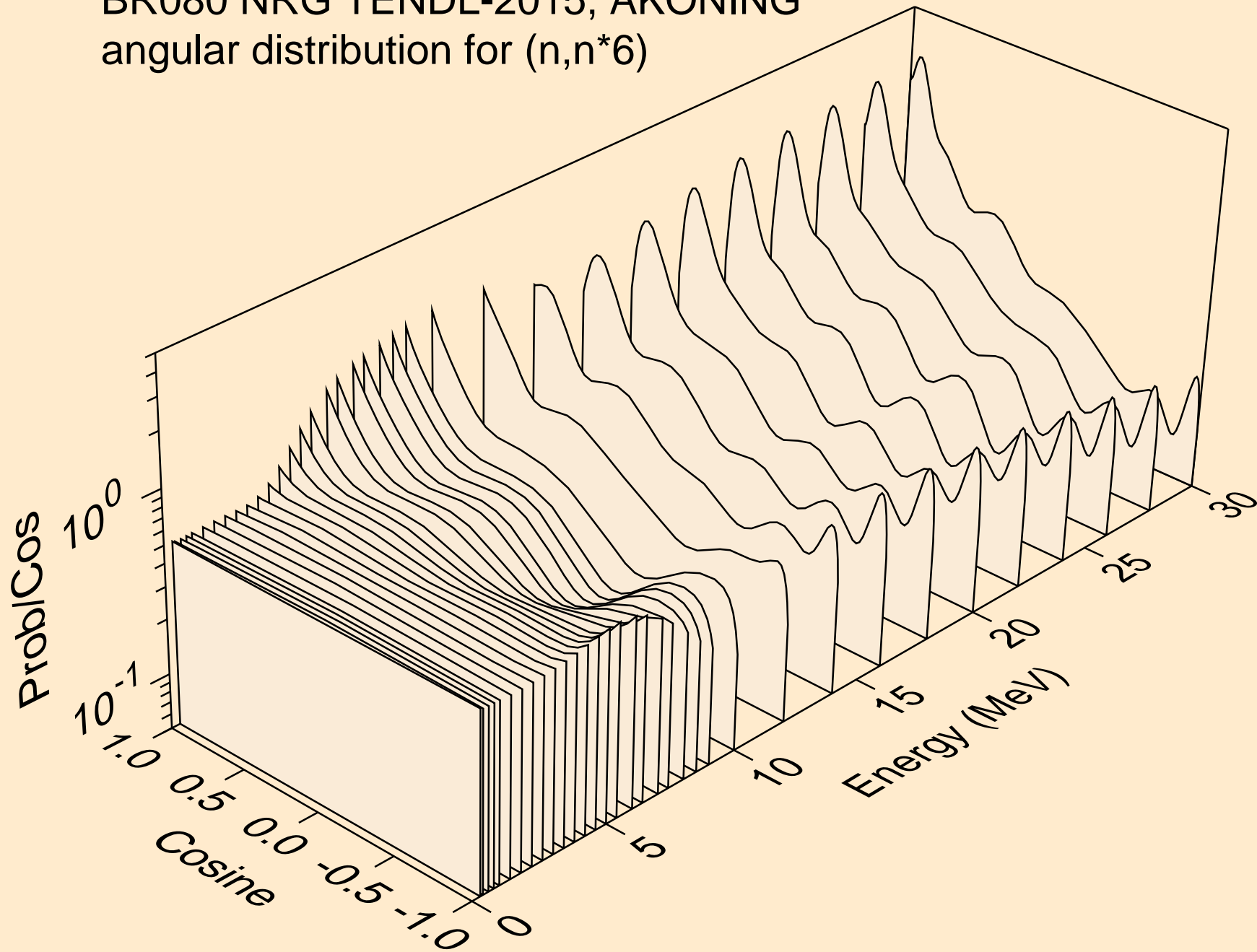
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

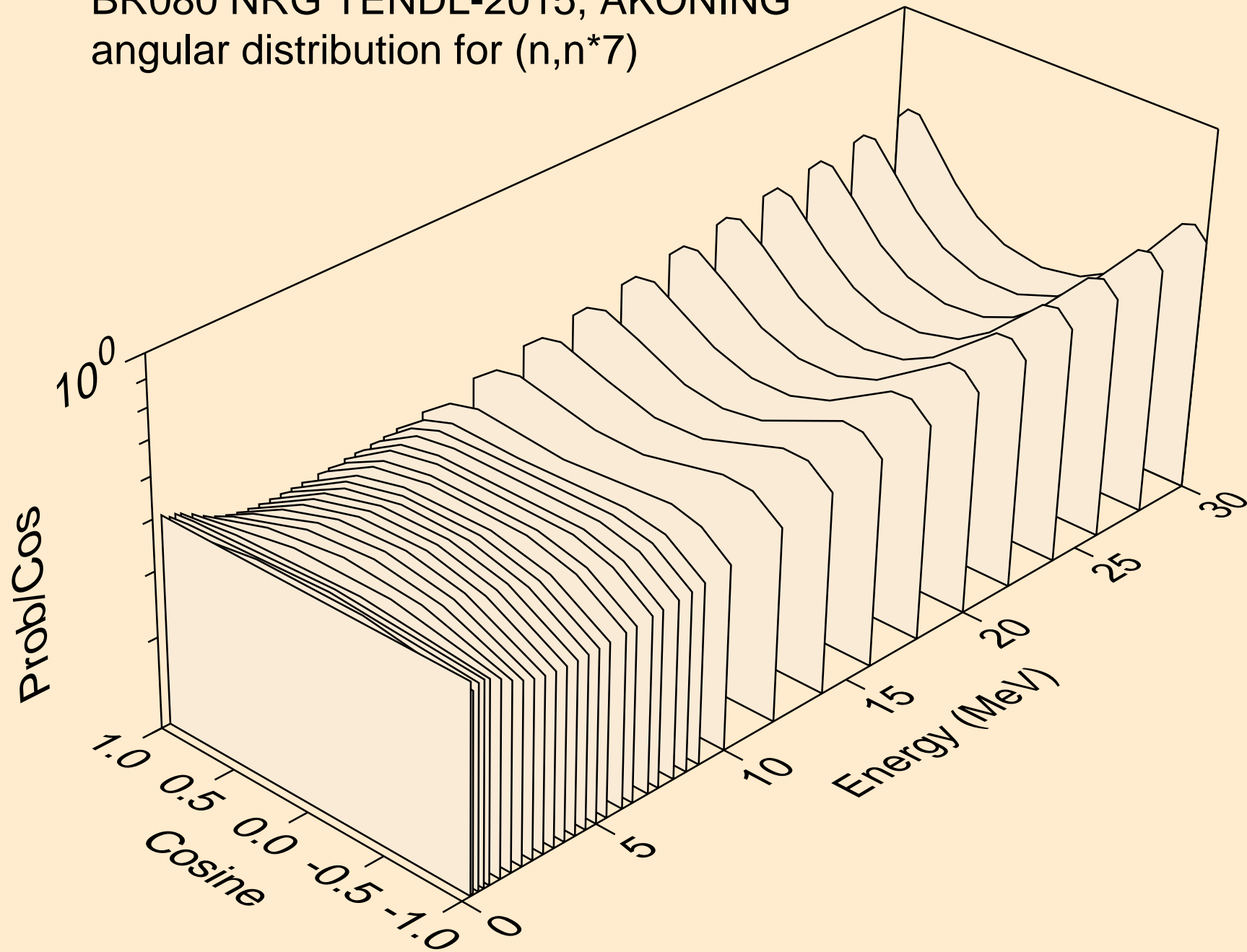


BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

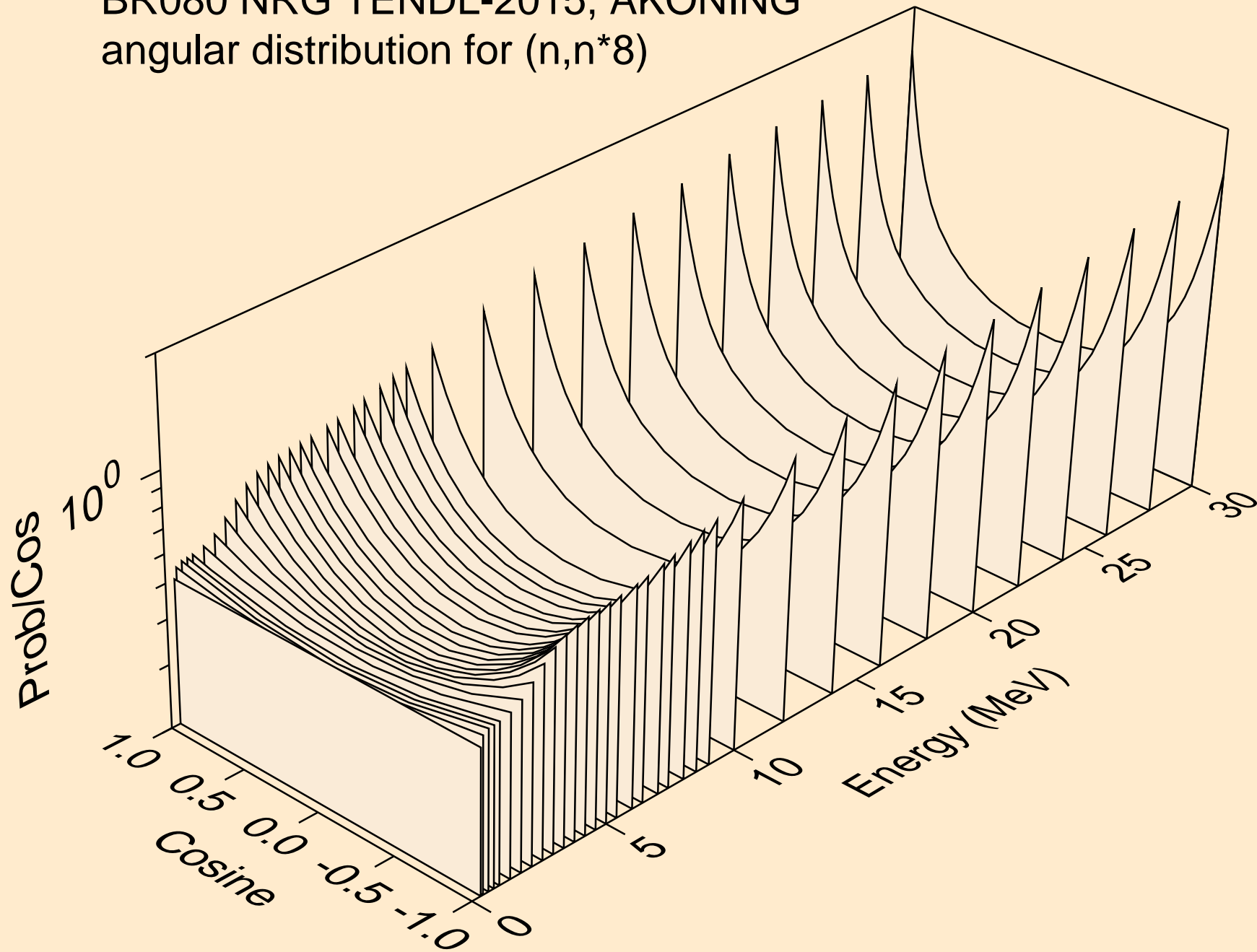




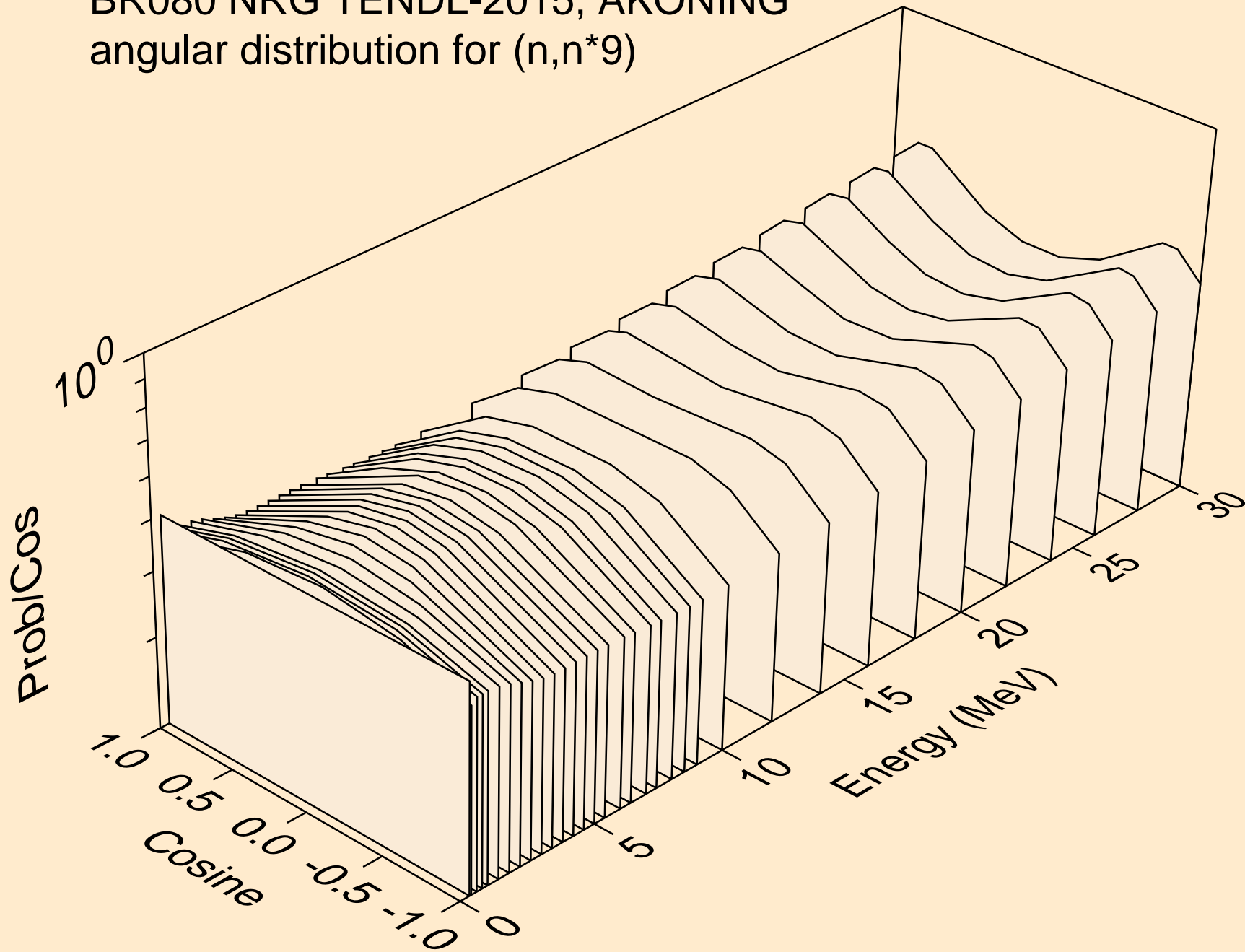
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



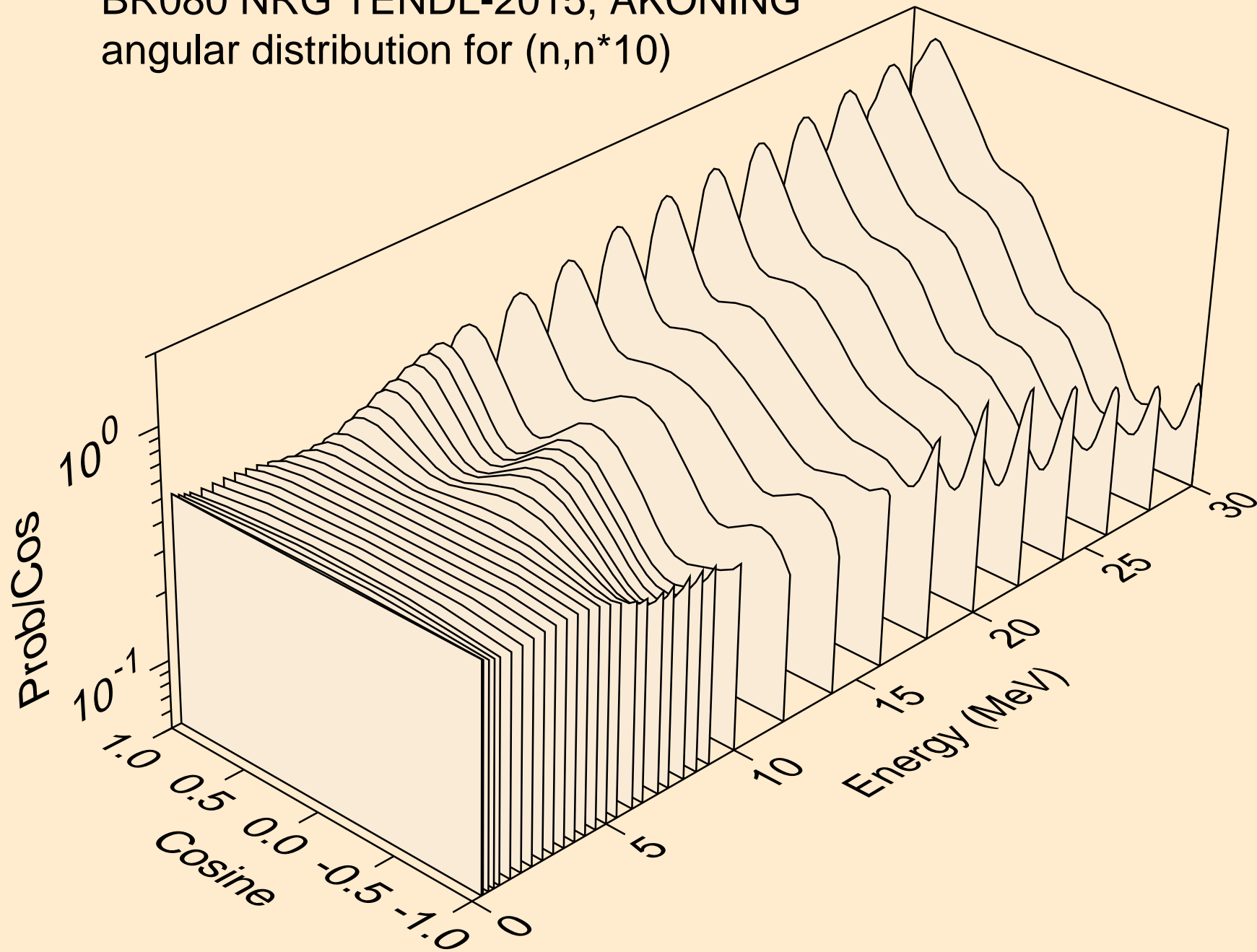
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



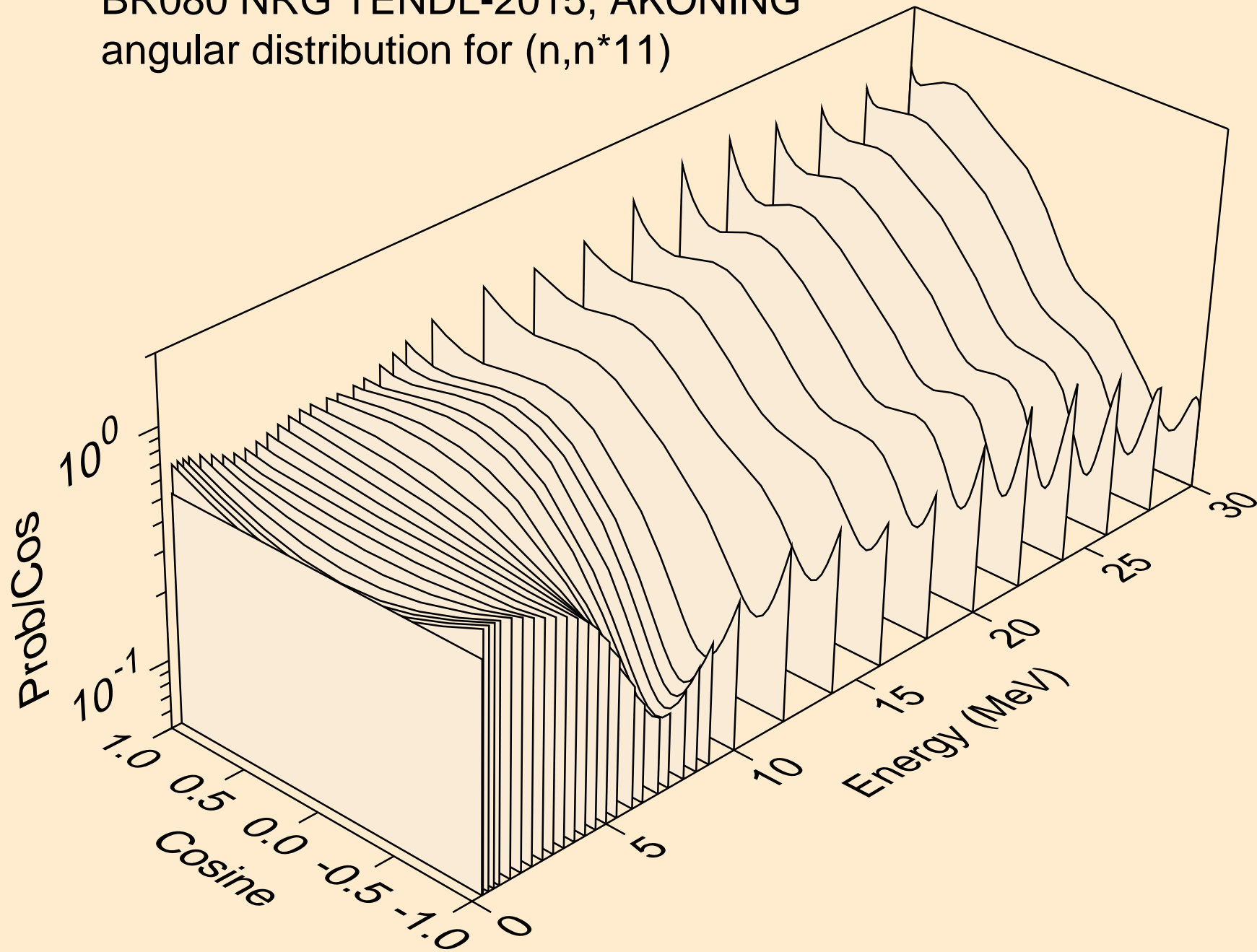
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



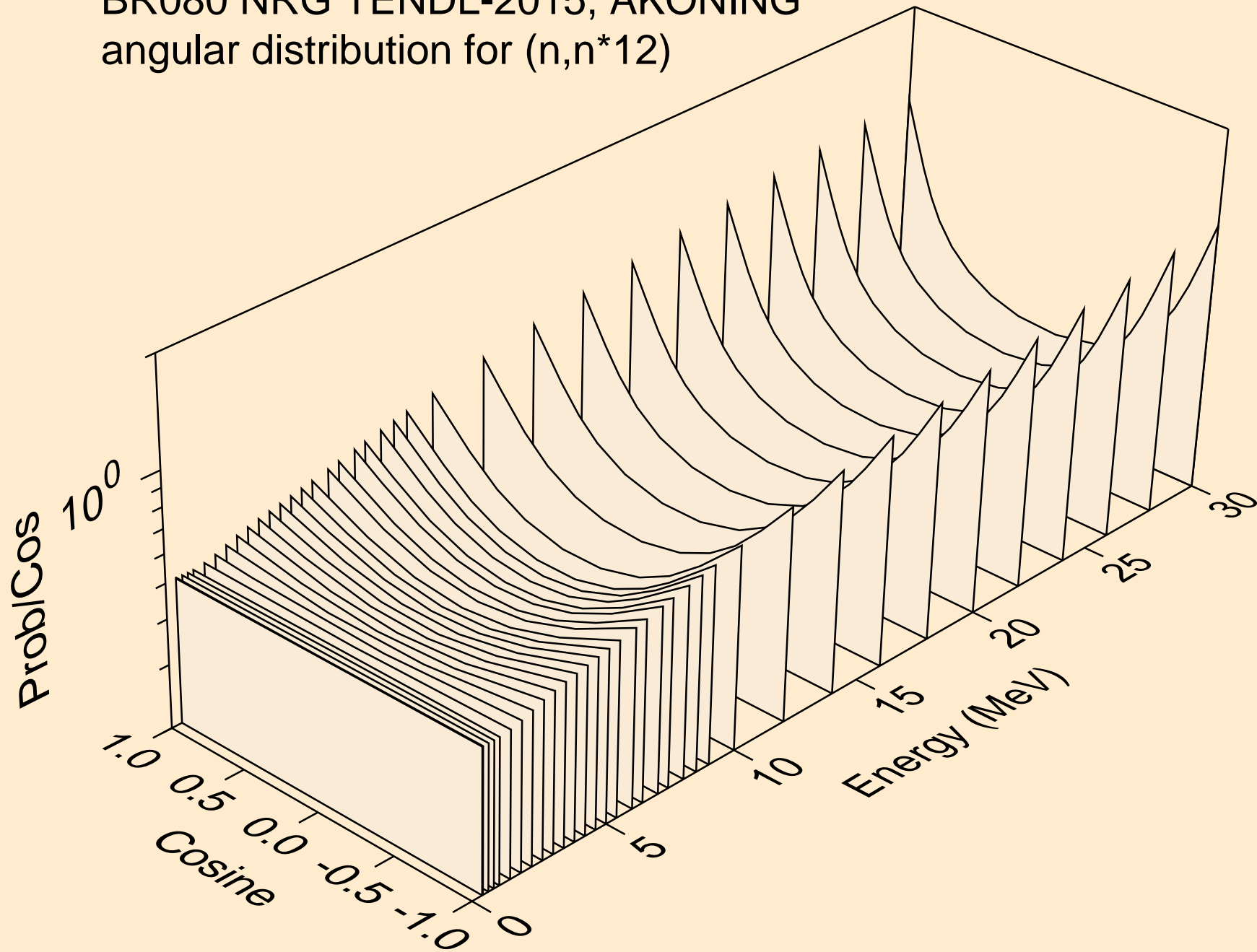
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



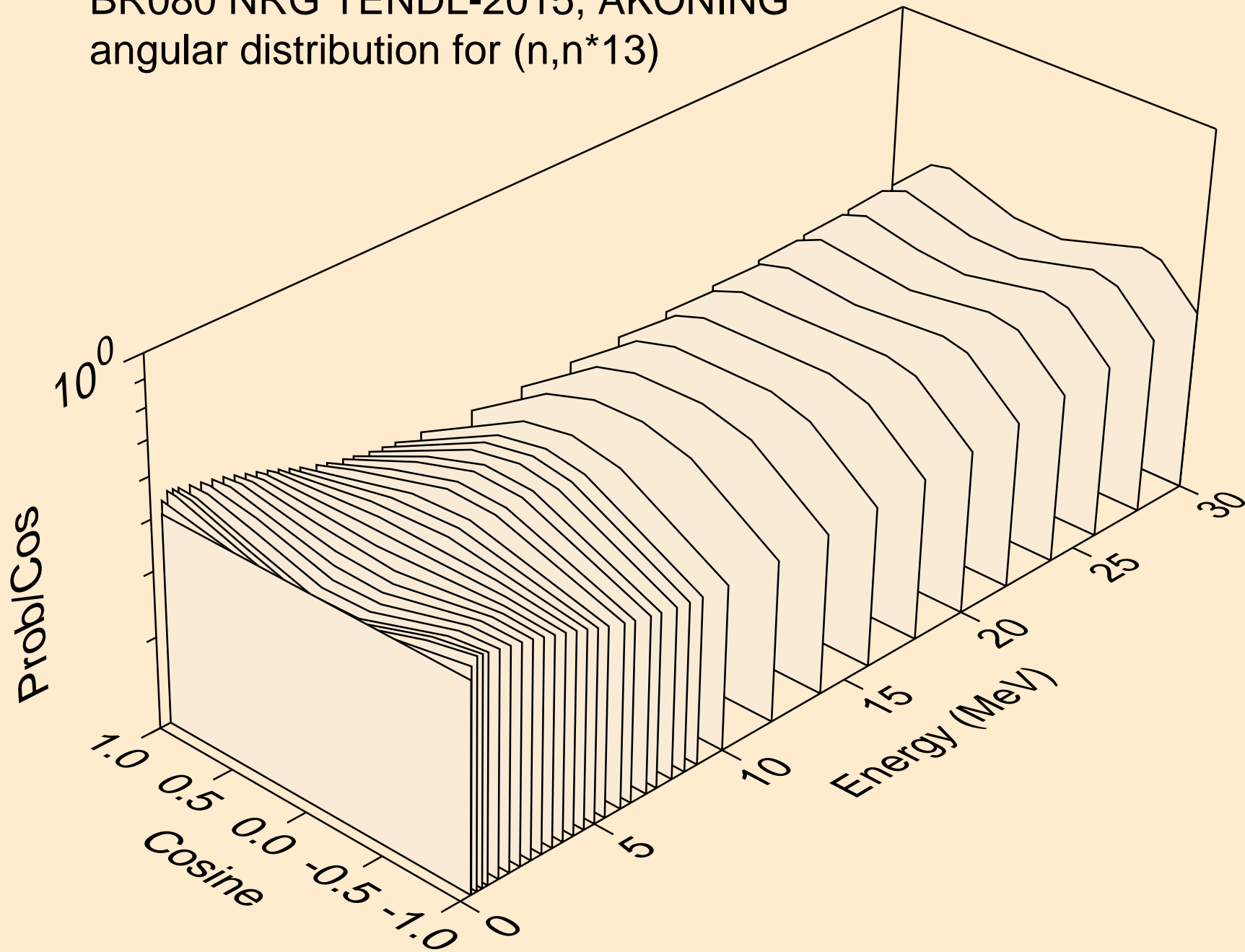
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



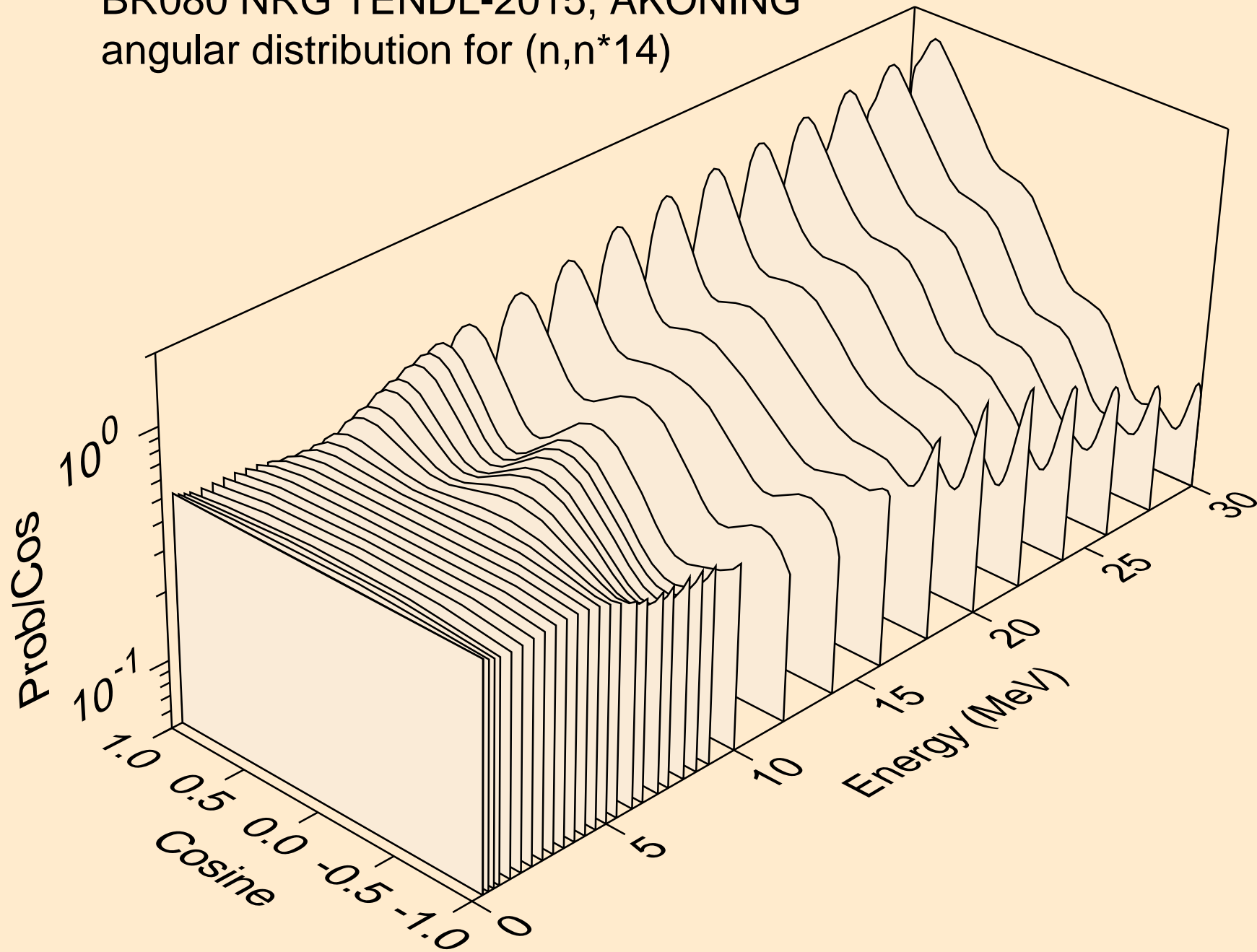
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

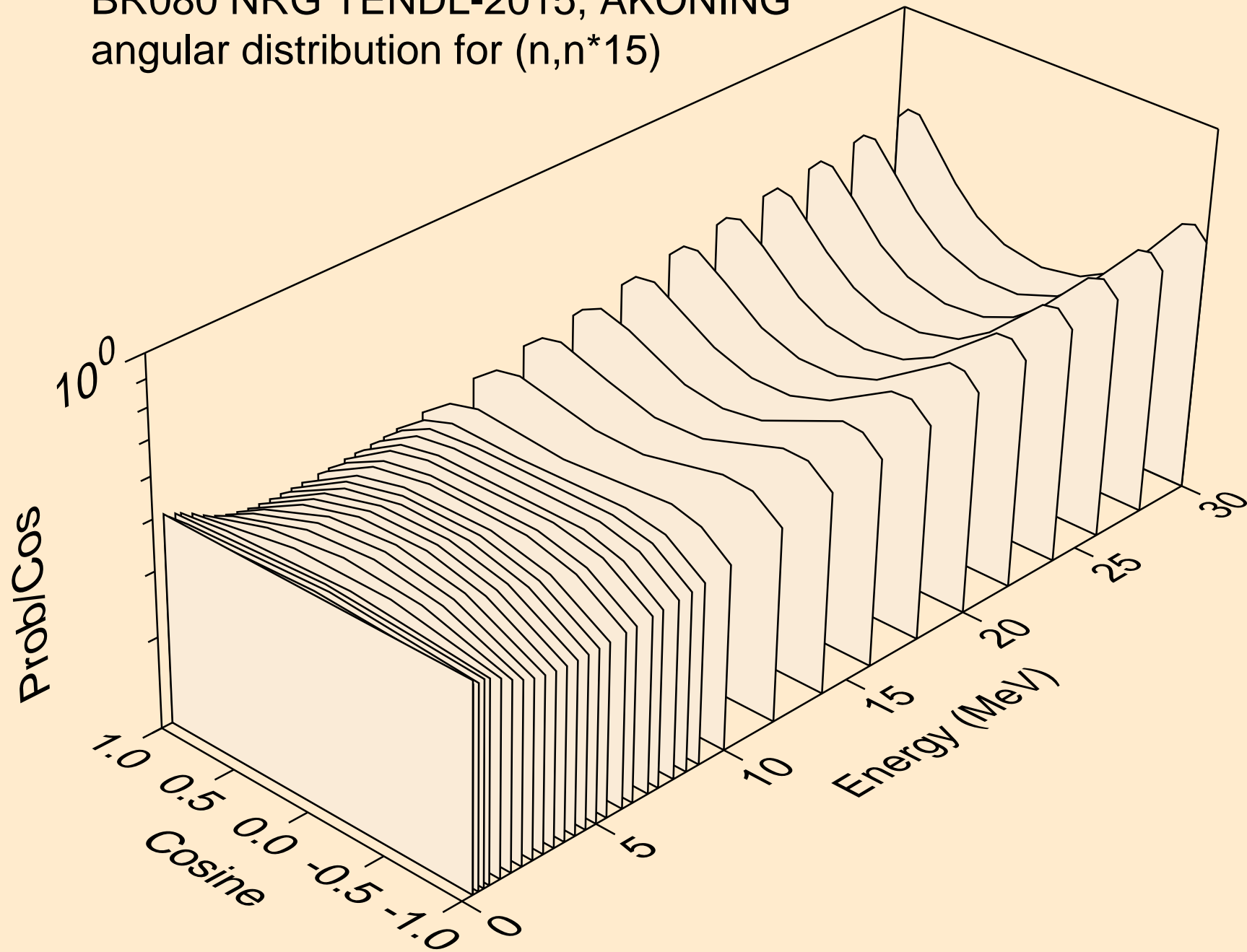


BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

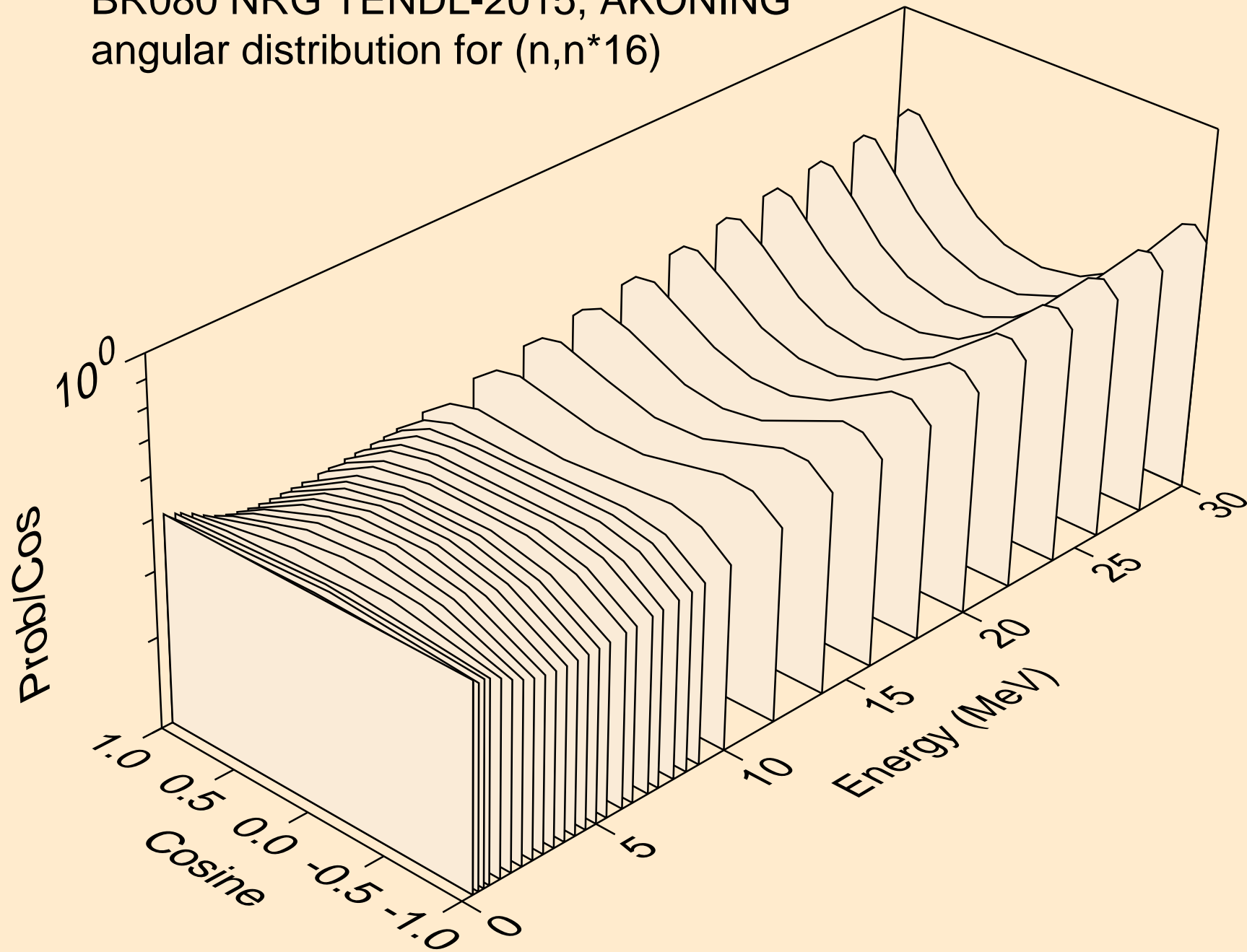




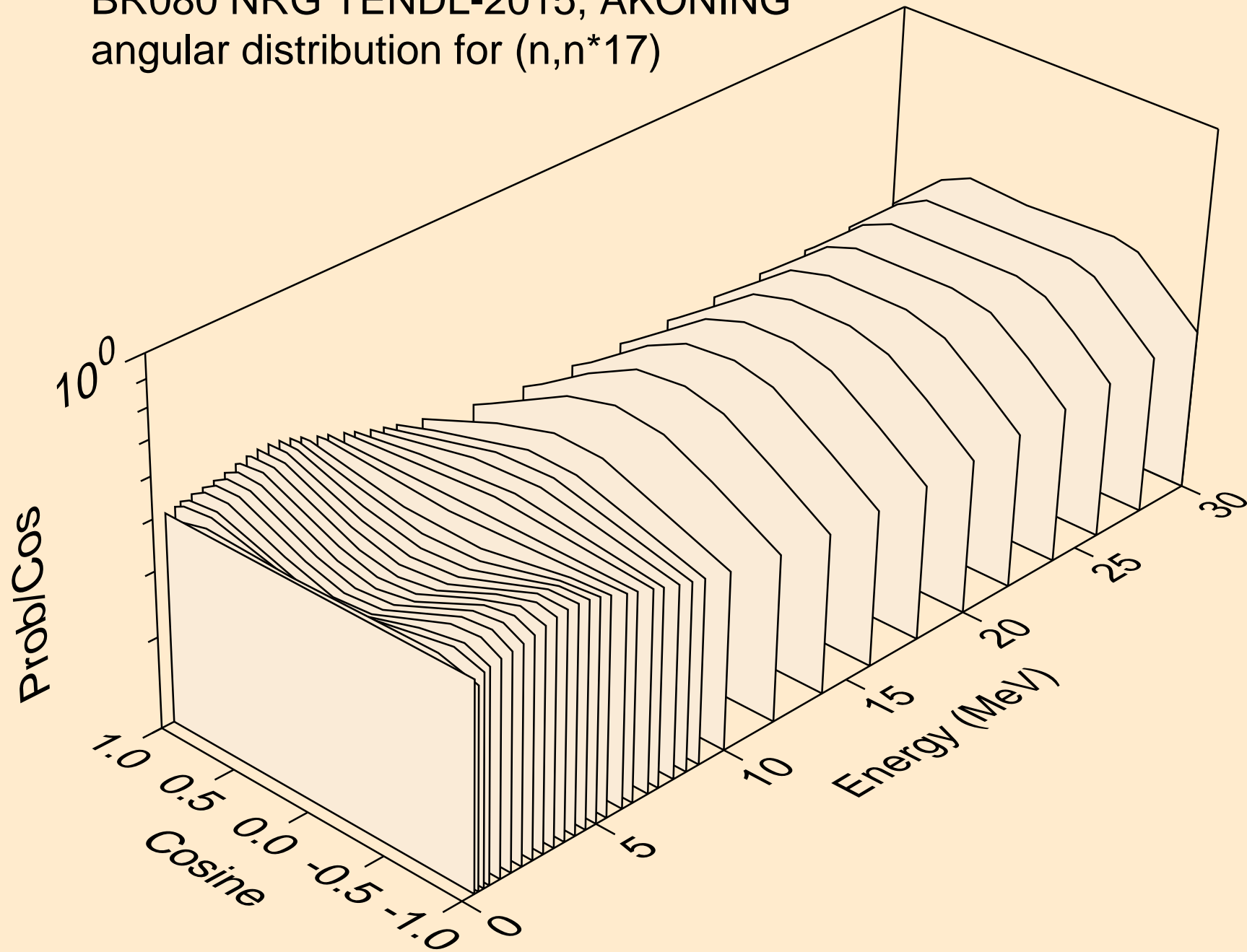
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



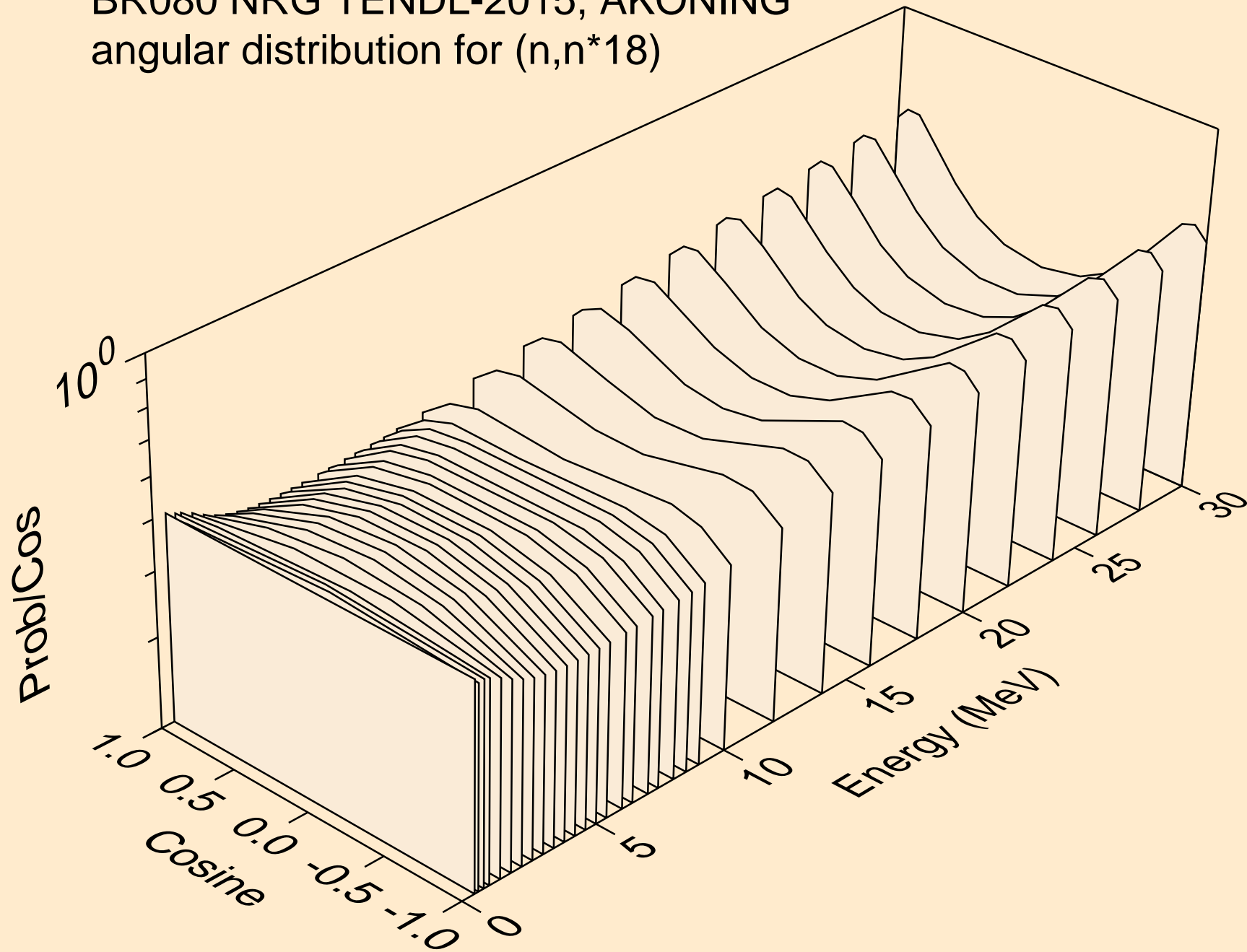
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



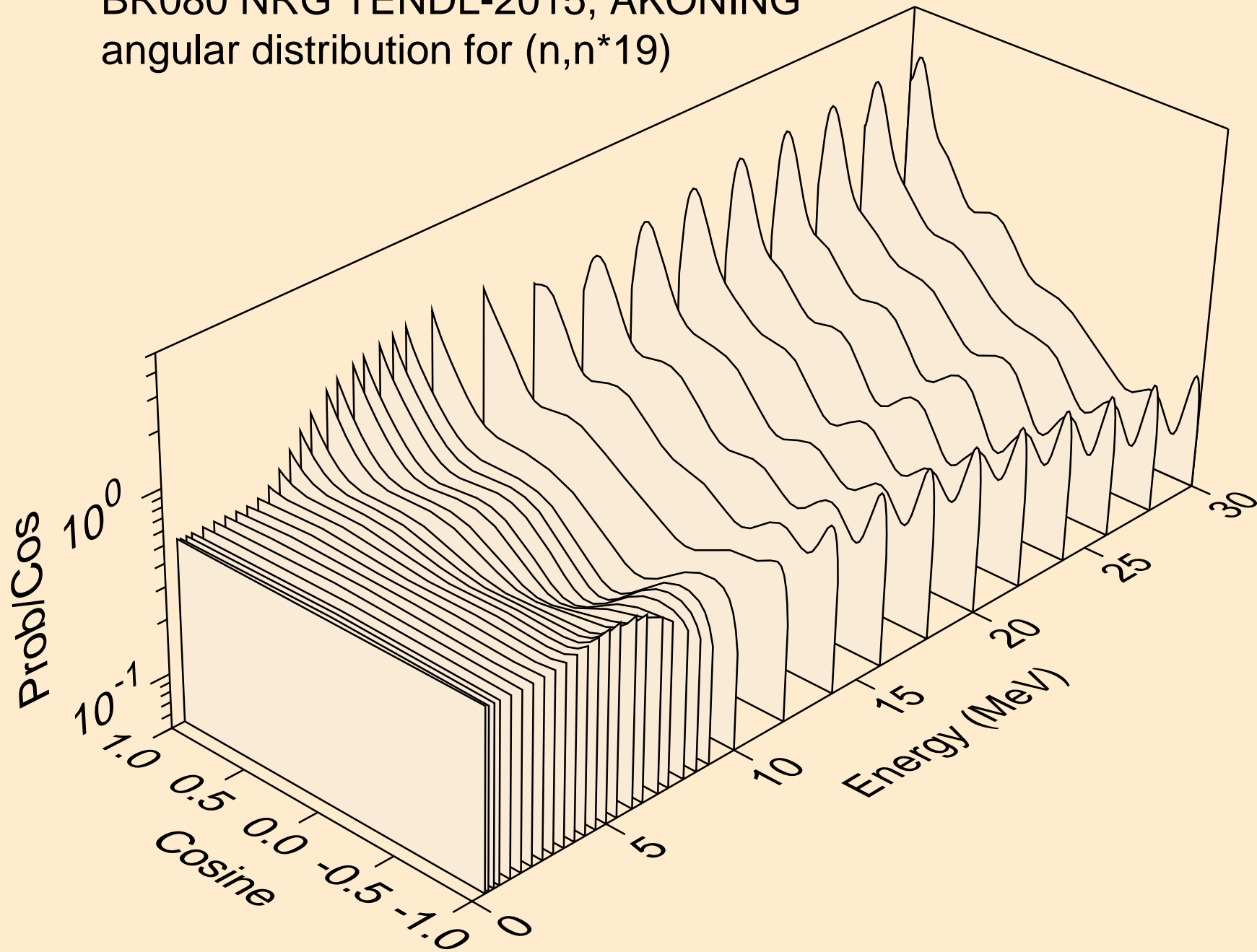
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



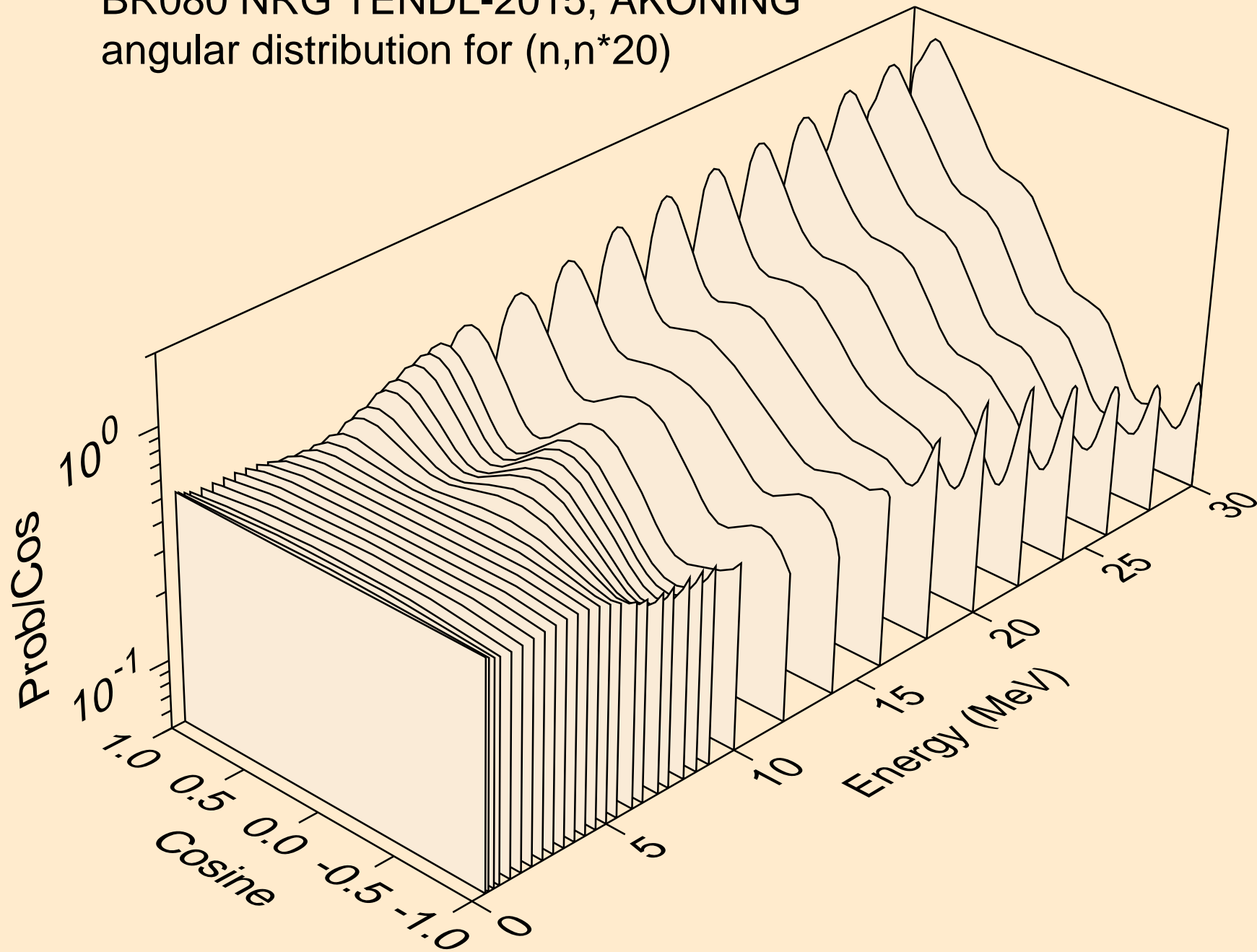
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



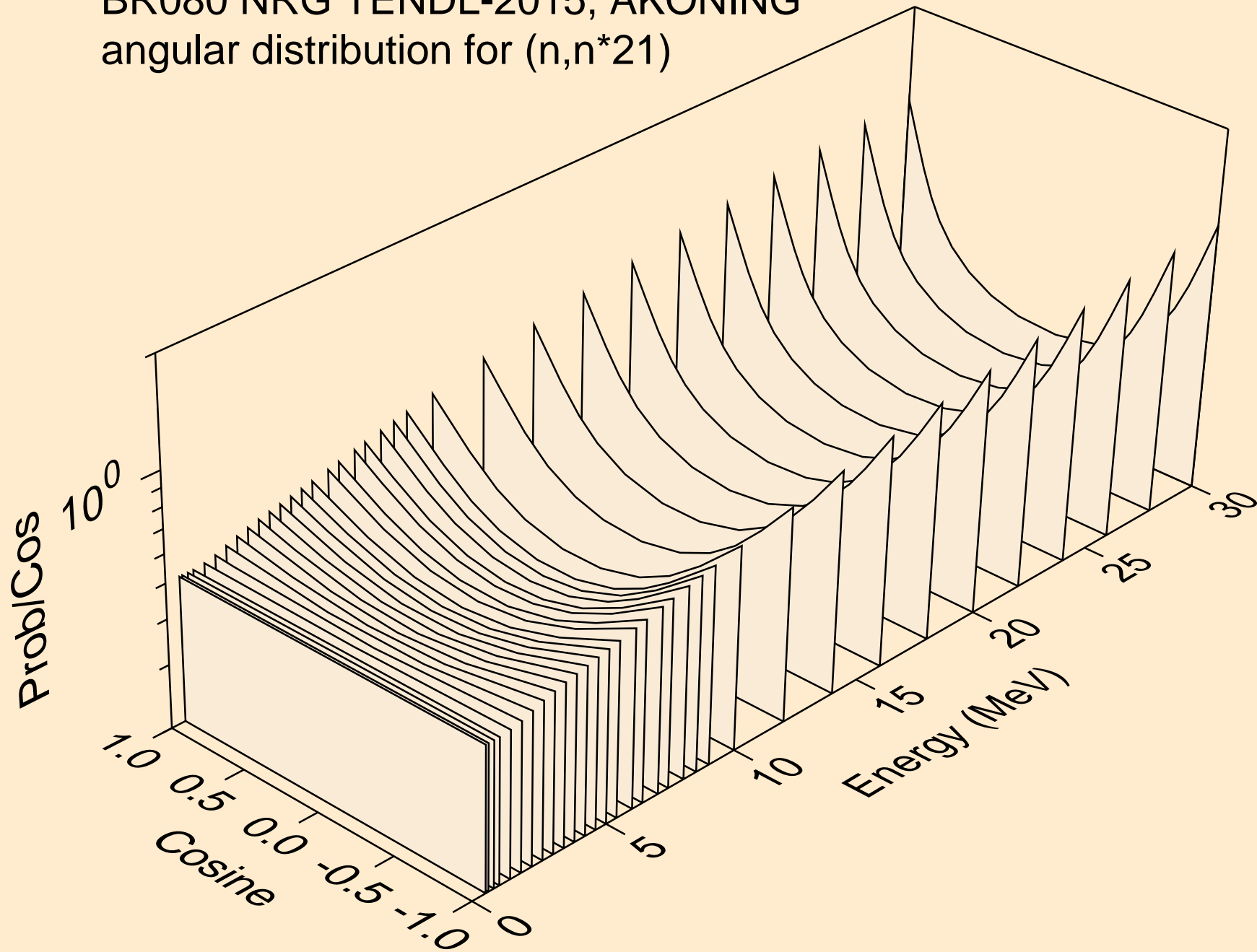
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



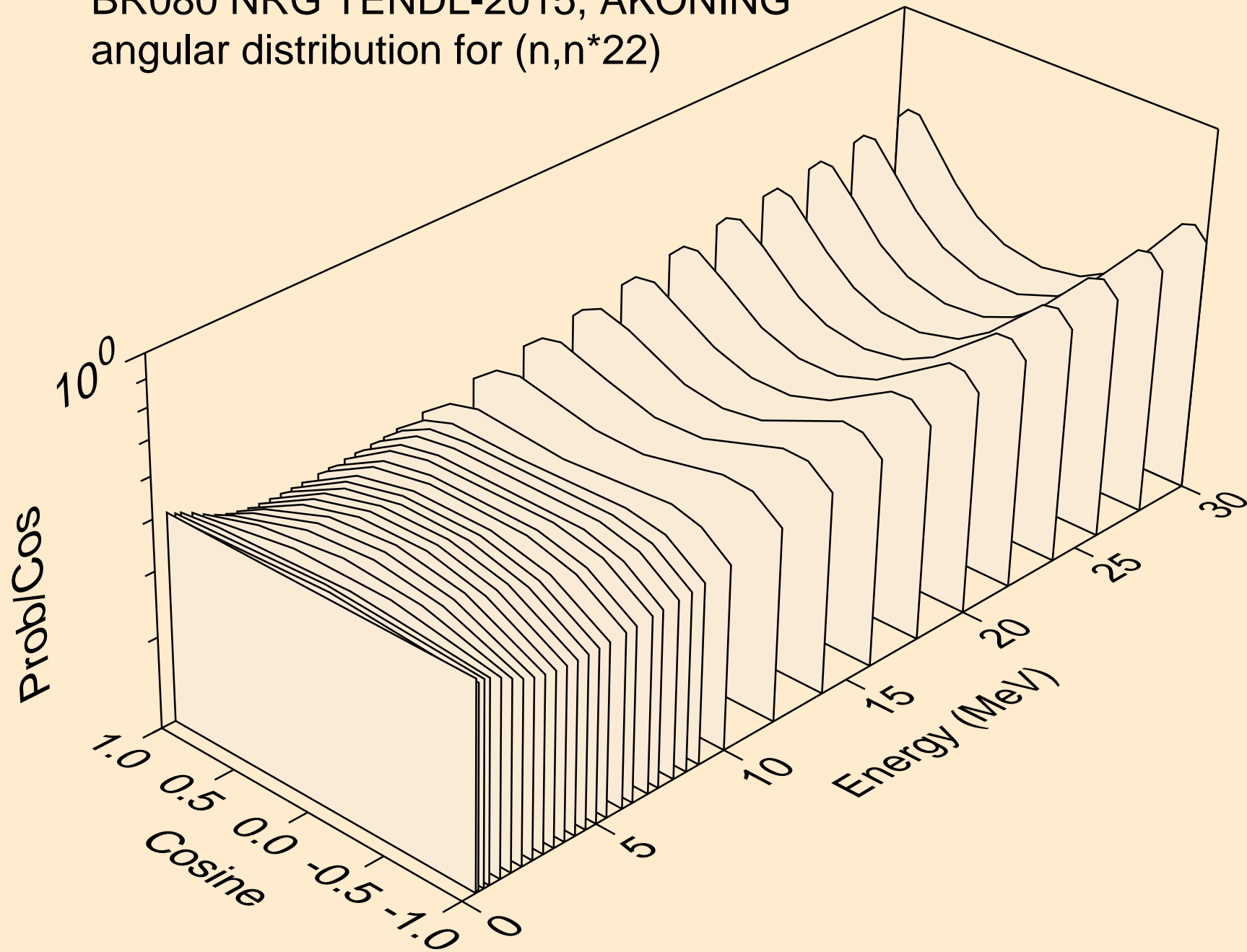
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

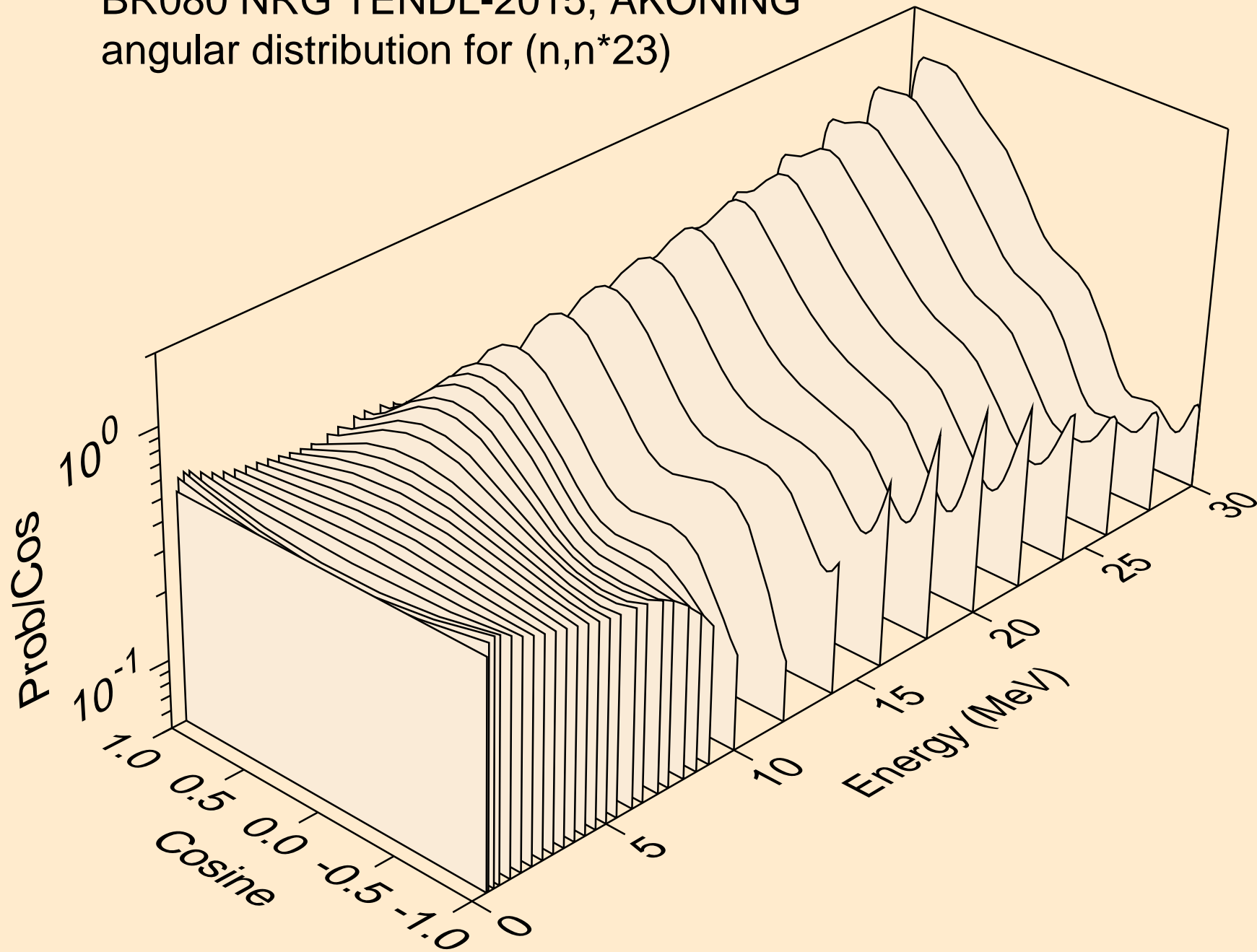


BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

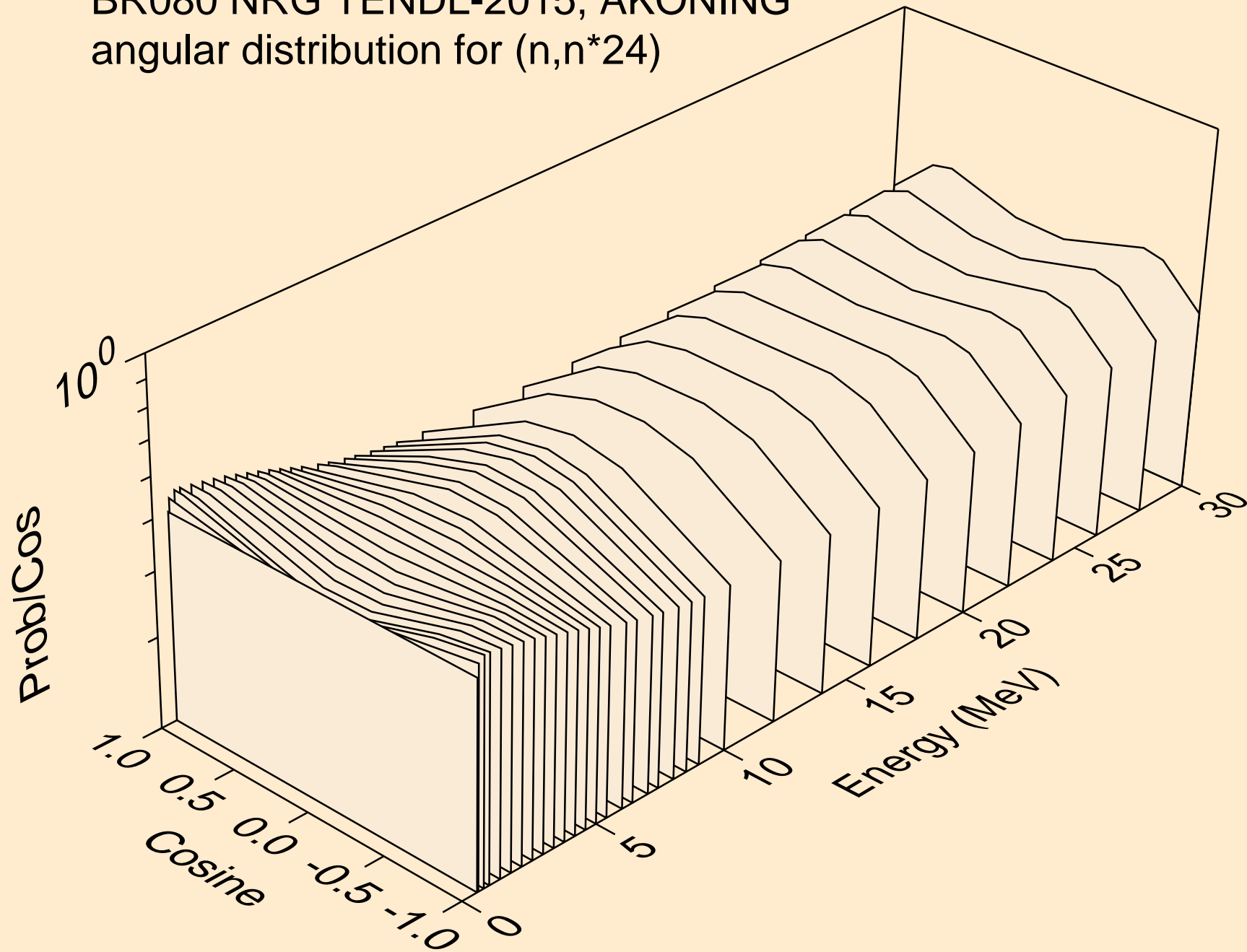




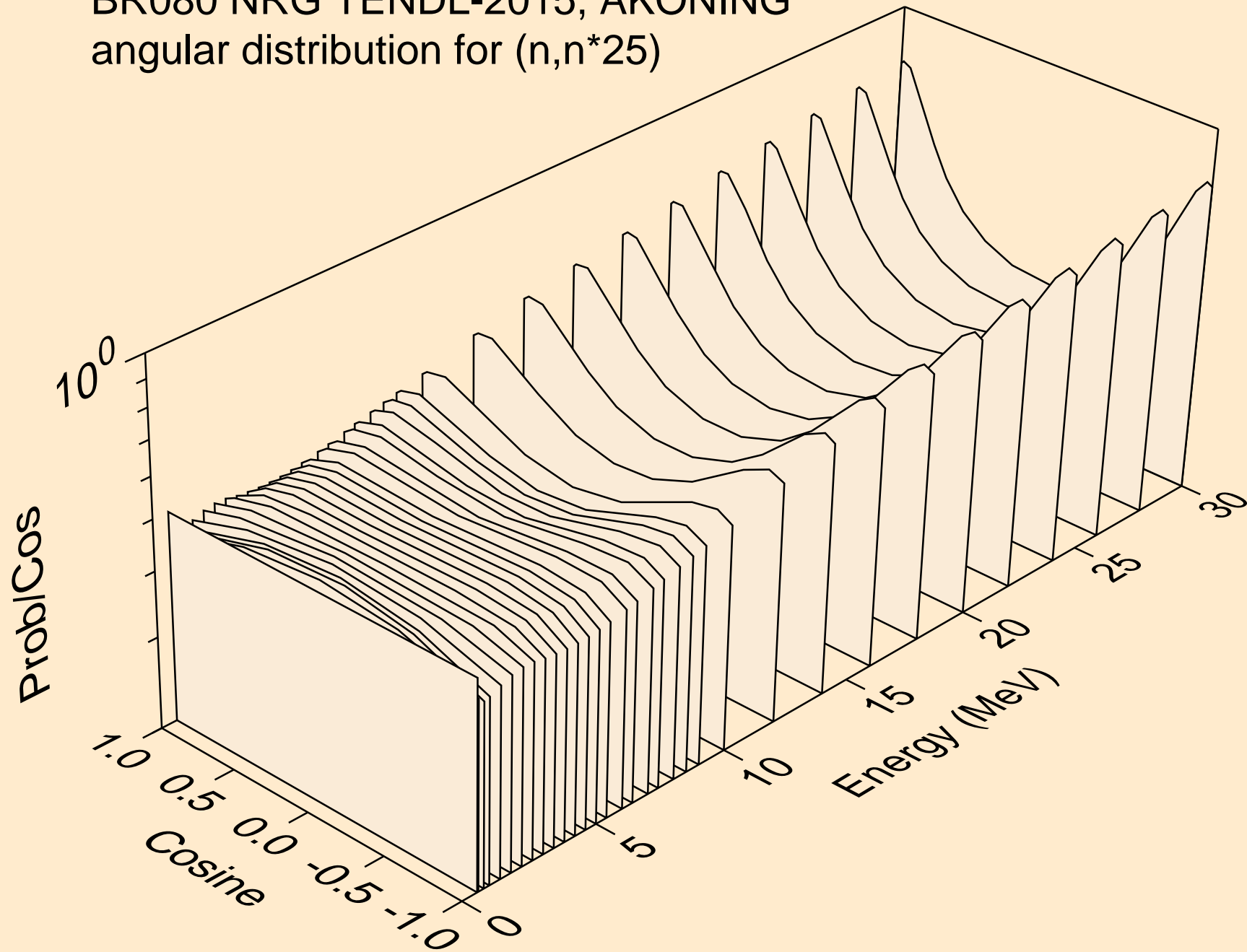
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



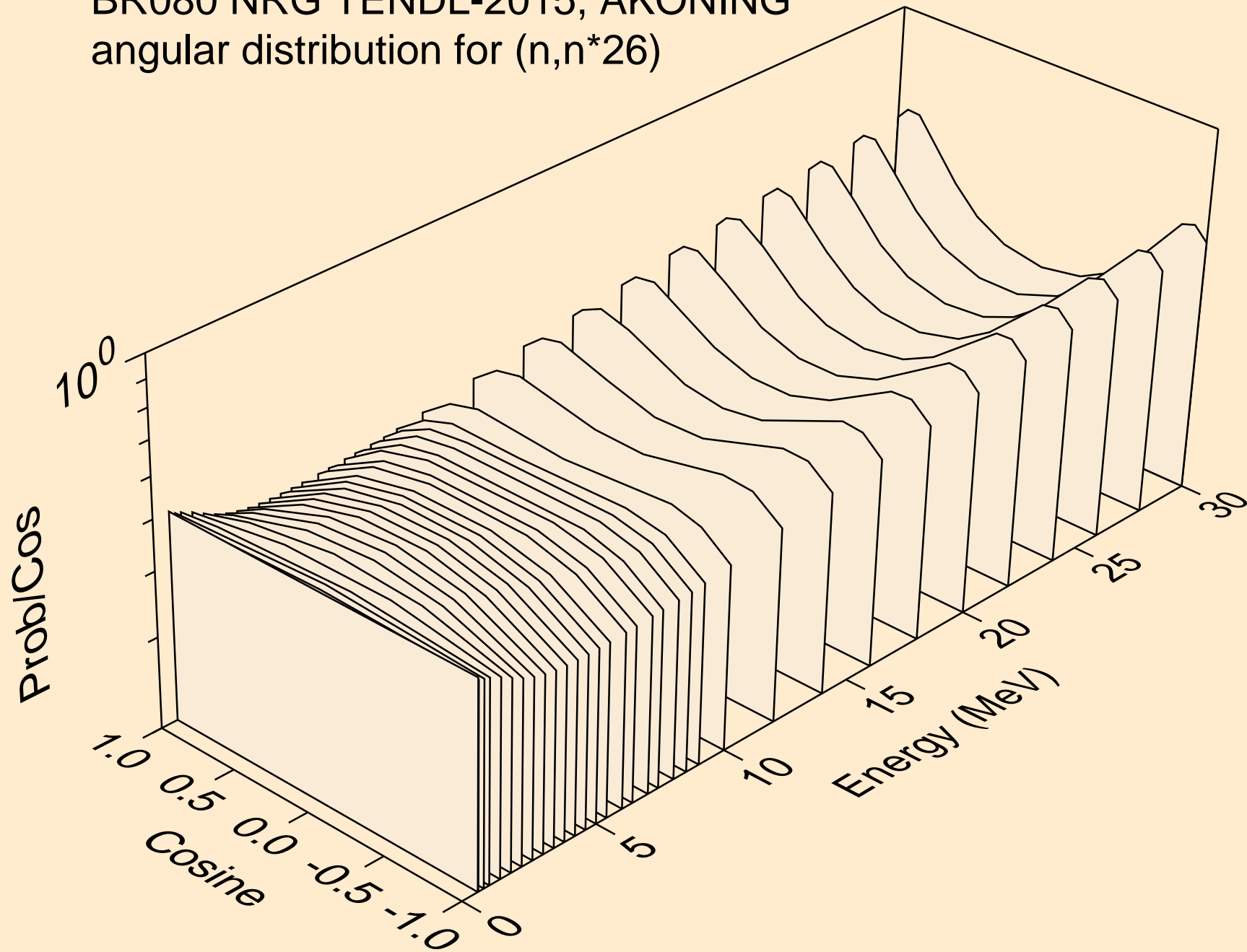
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



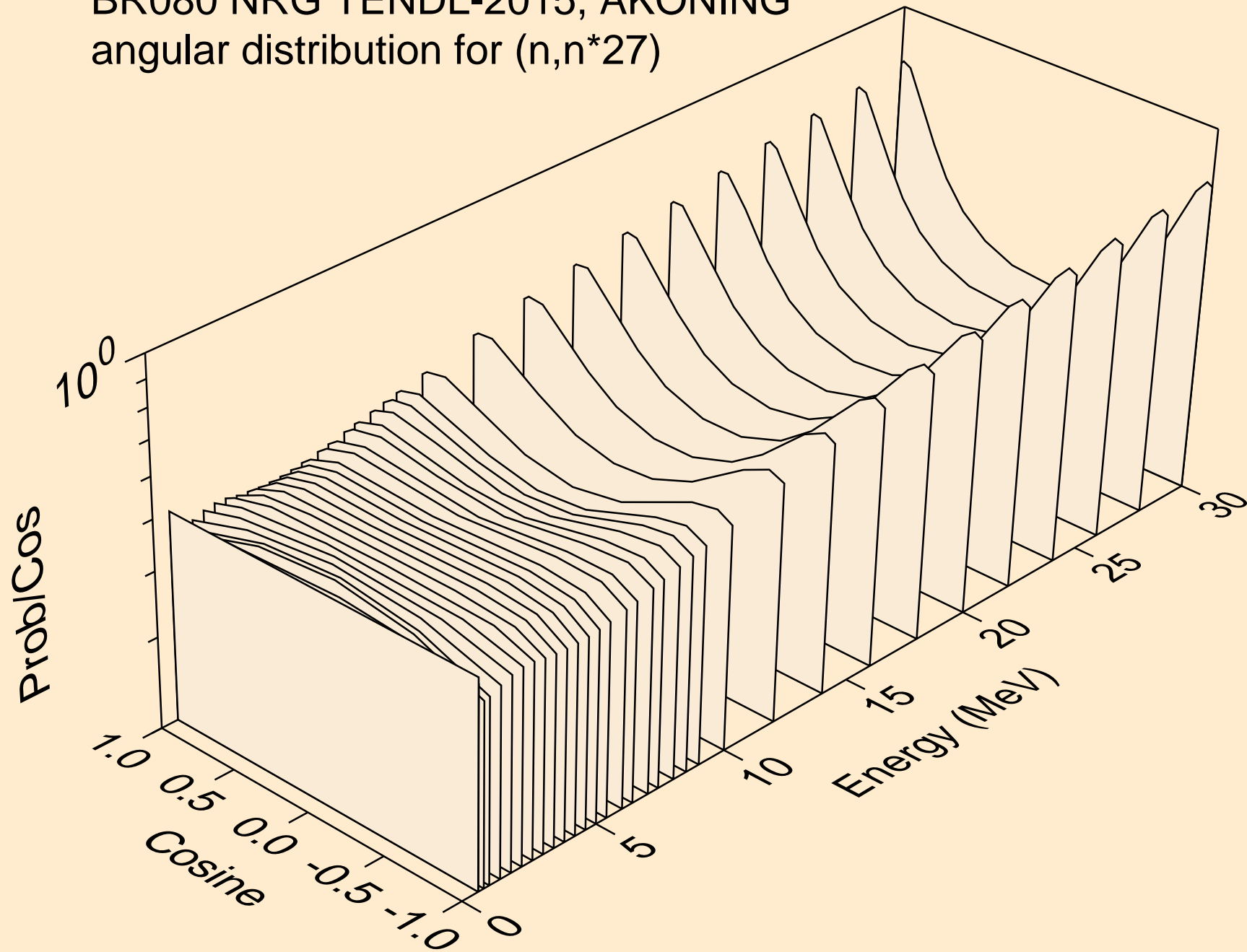
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



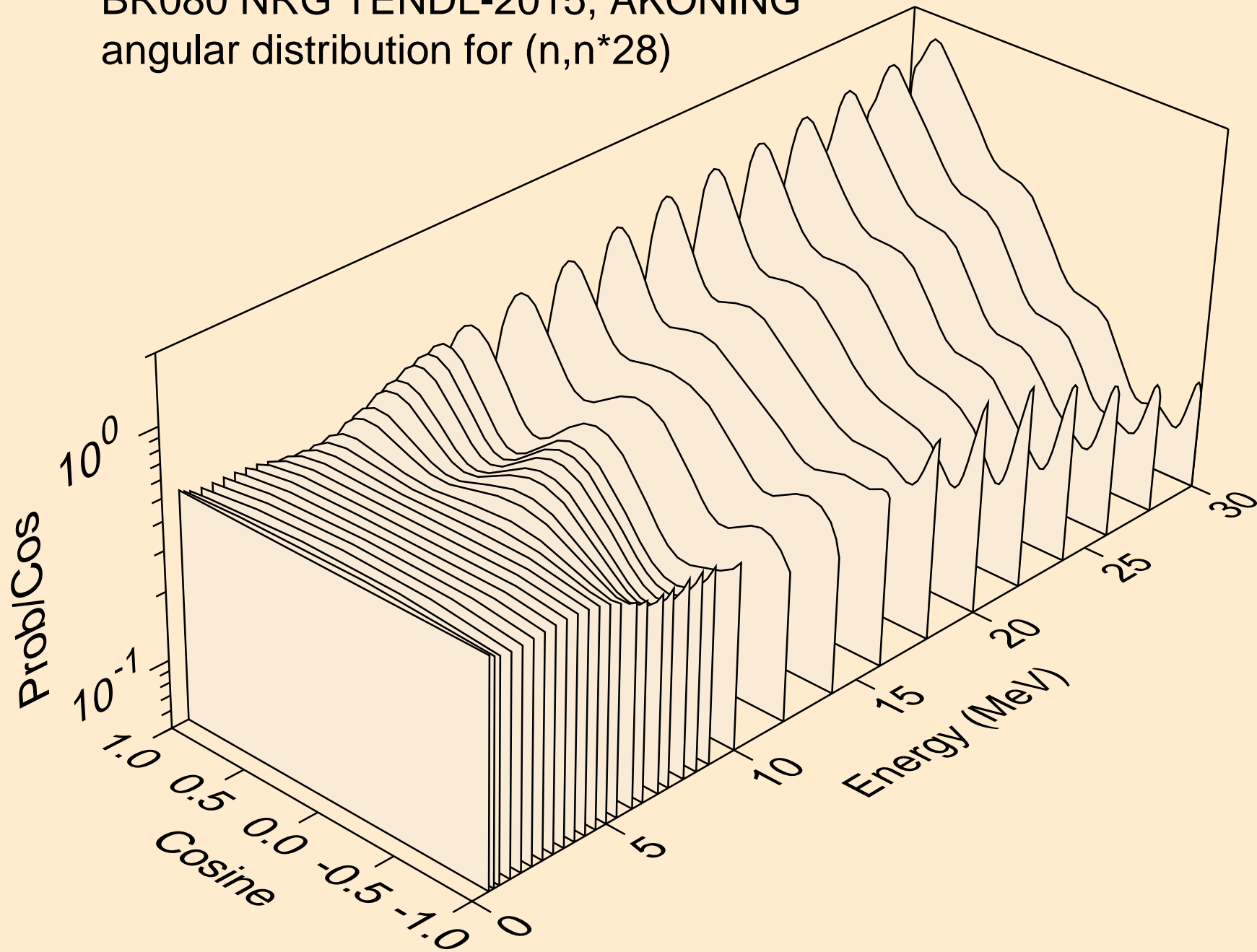
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



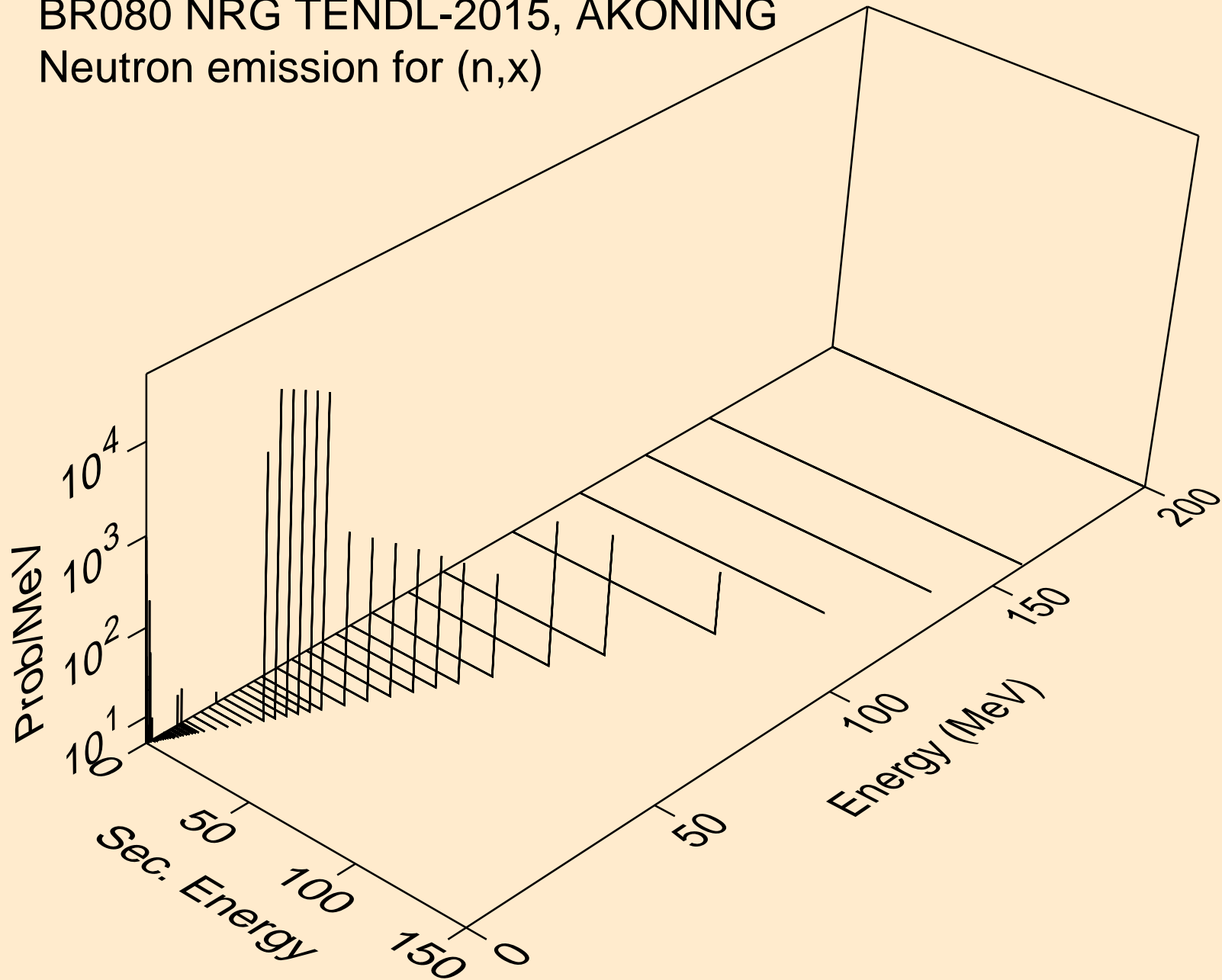
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



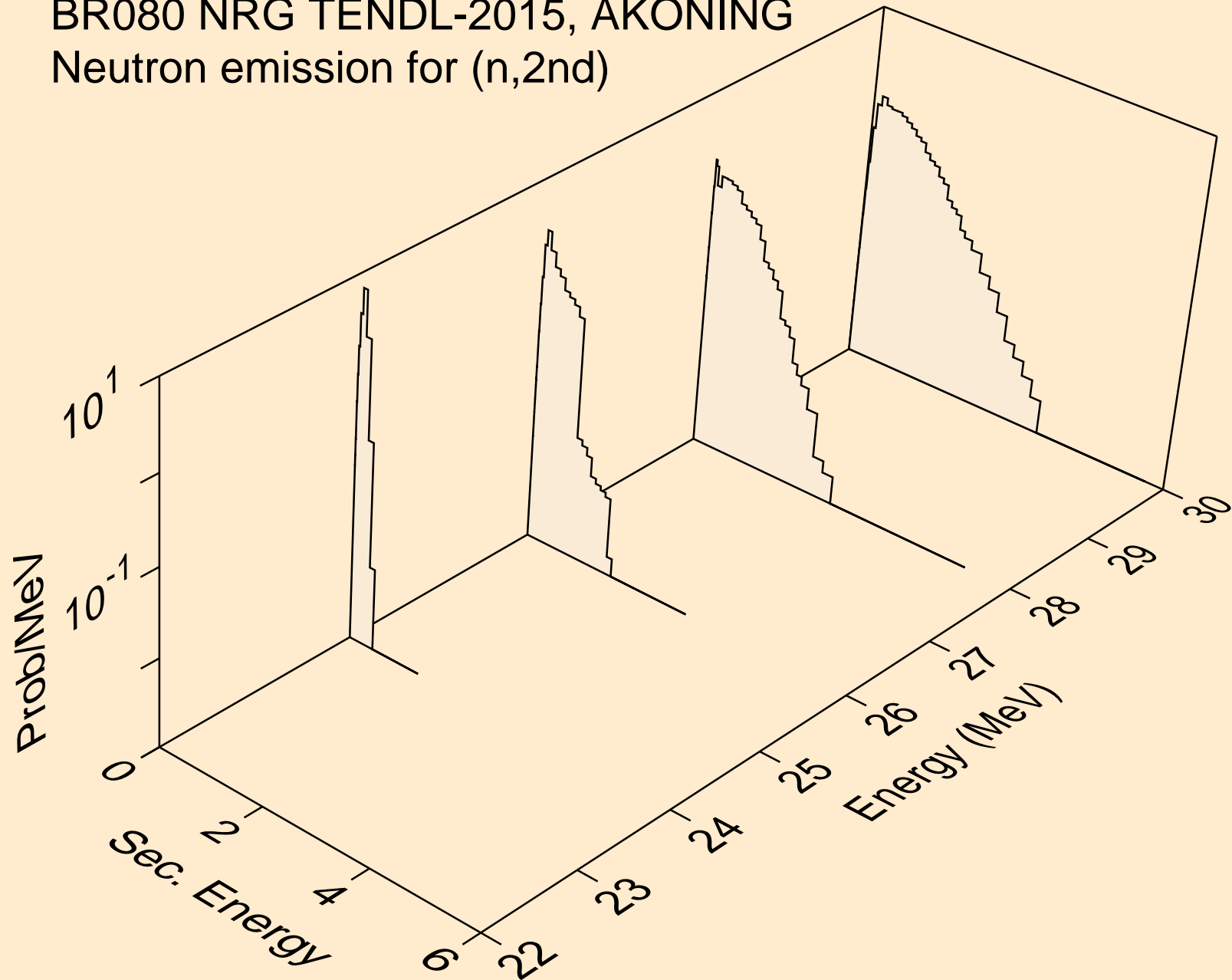
BR080 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

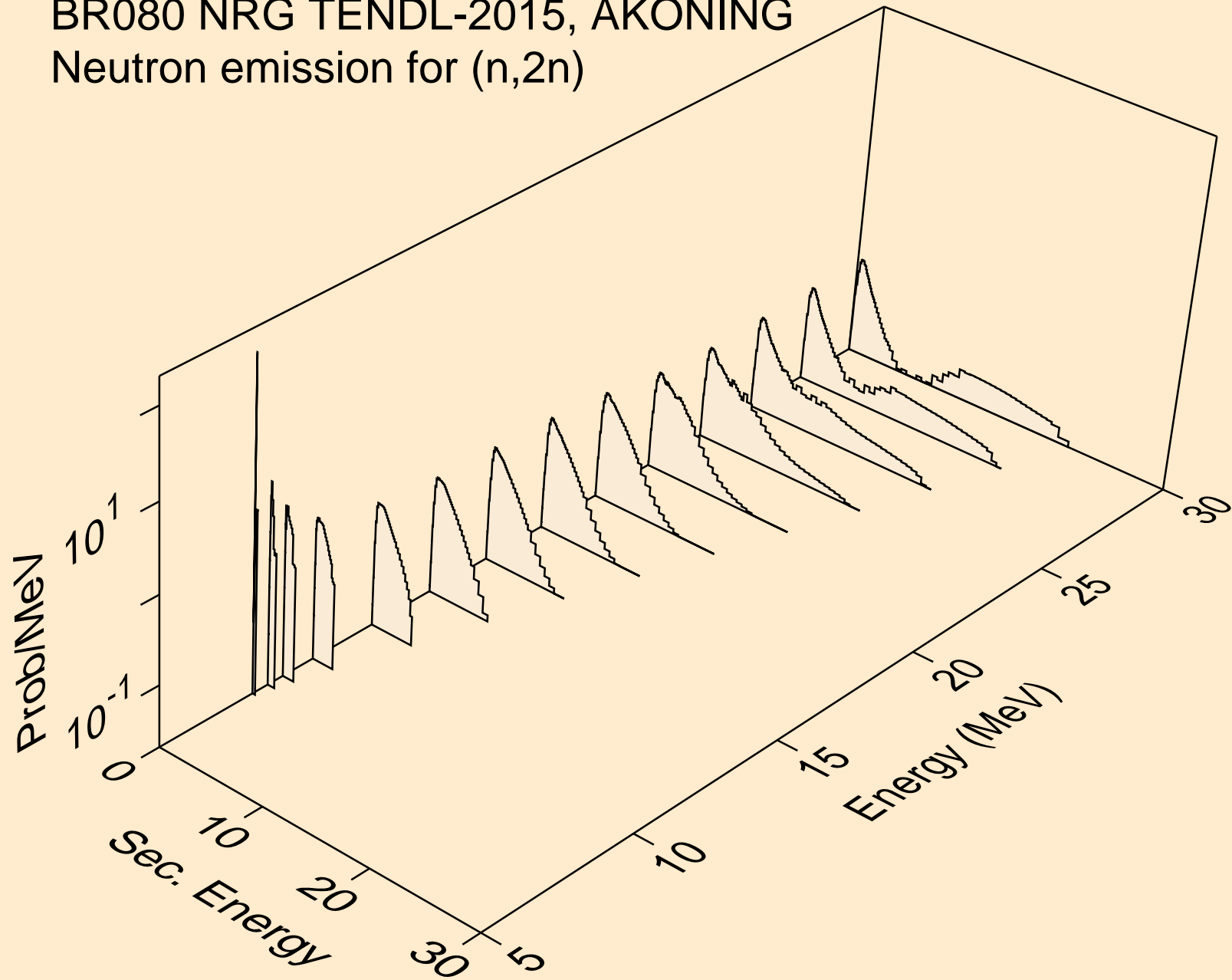


BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

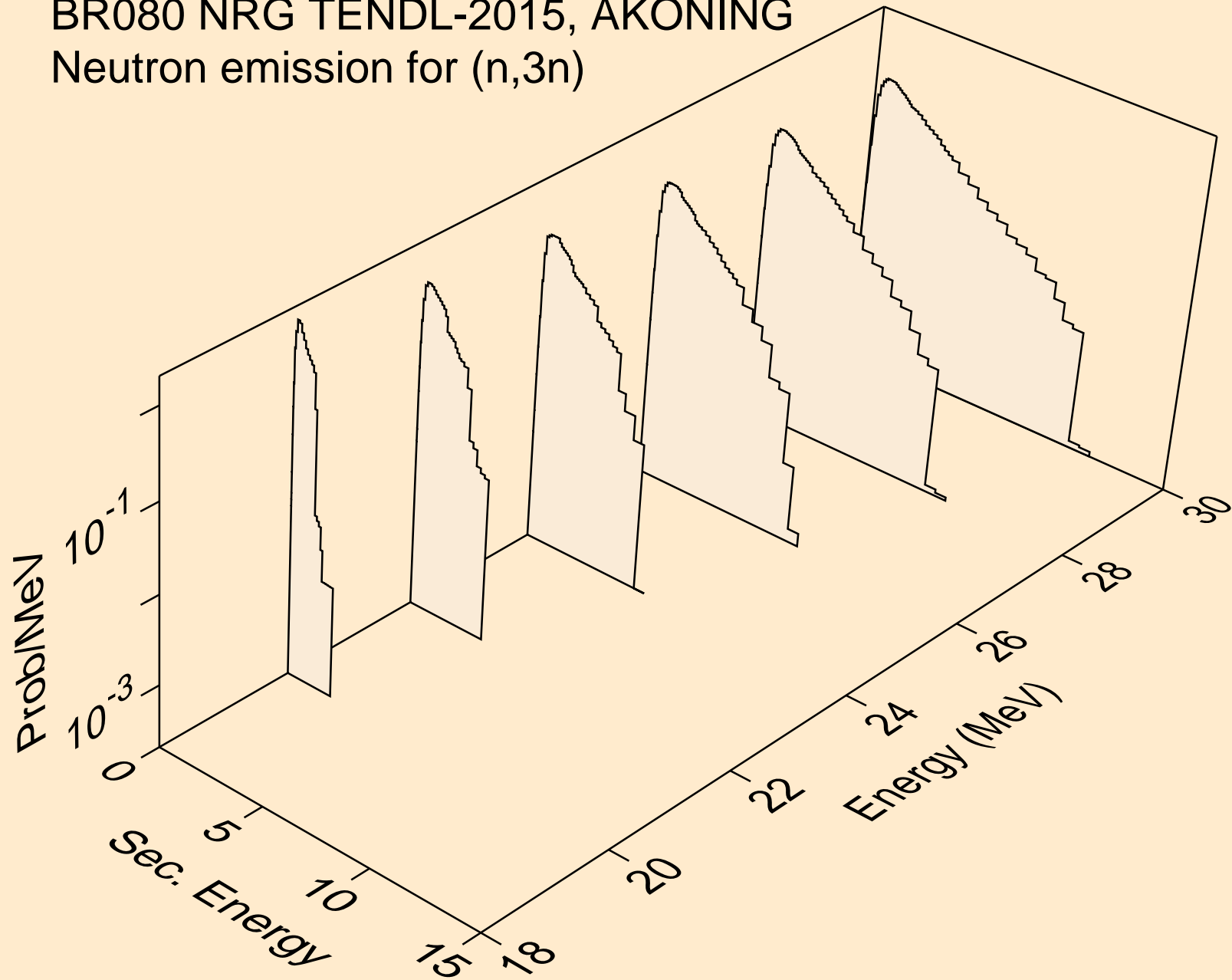




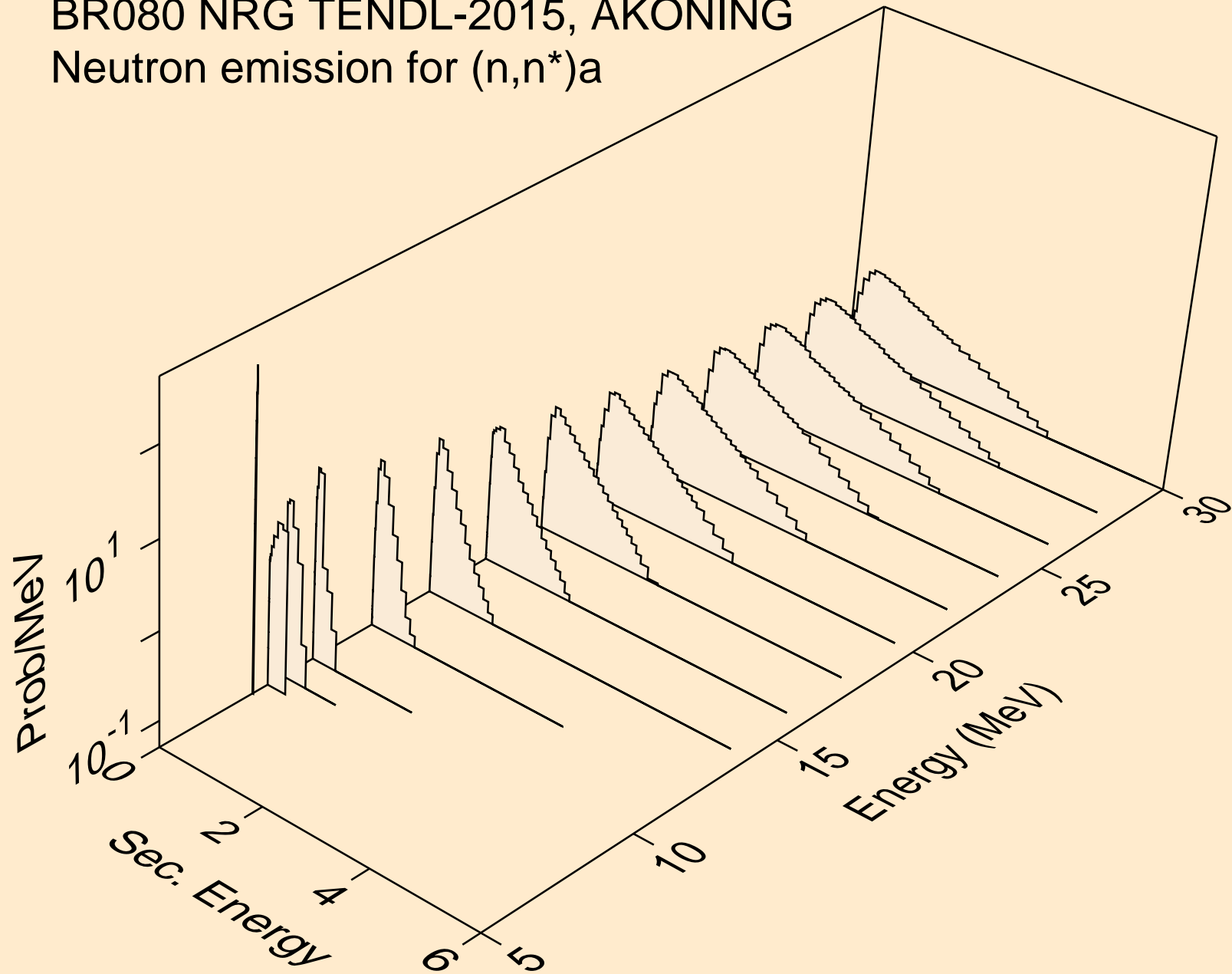
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



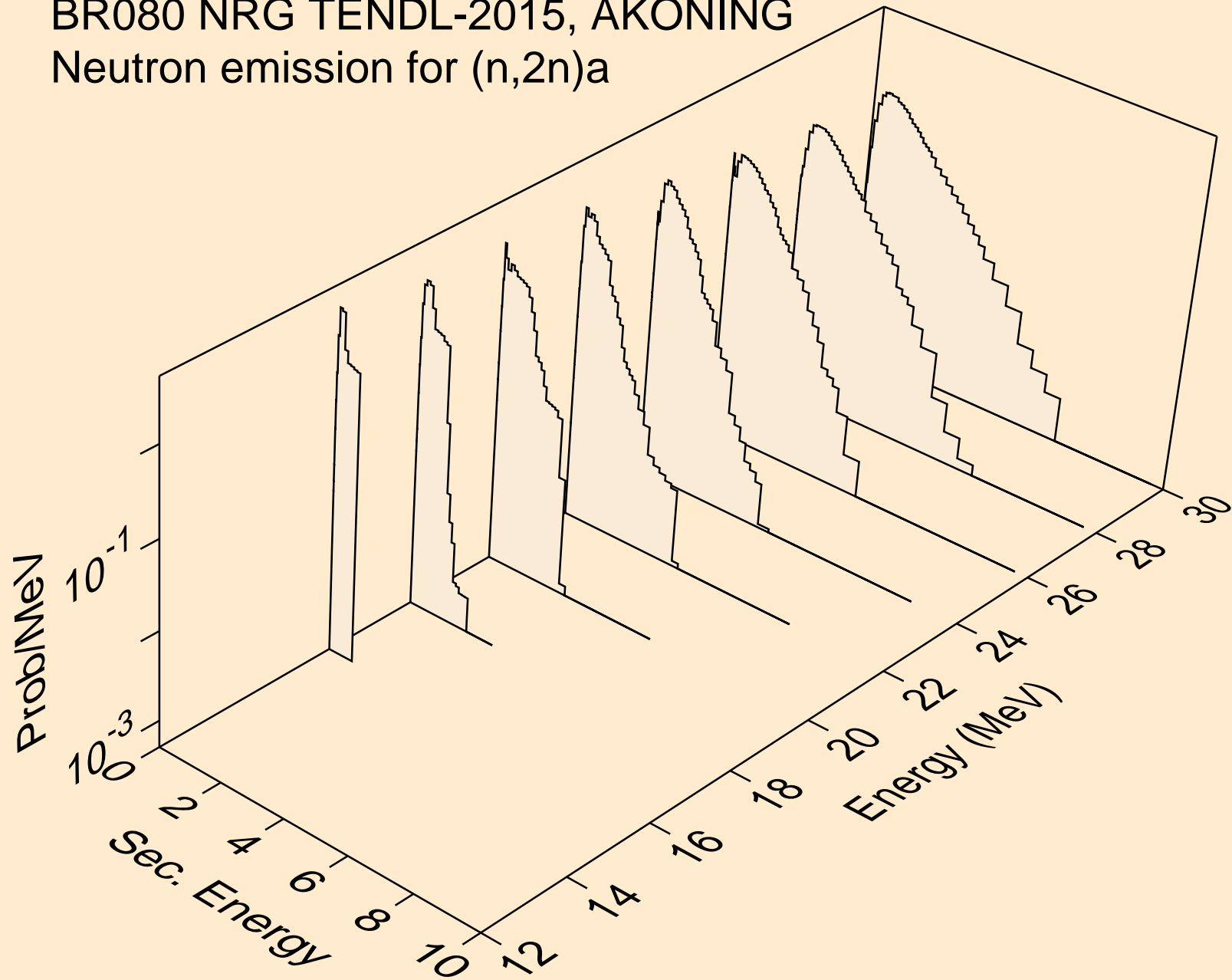
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



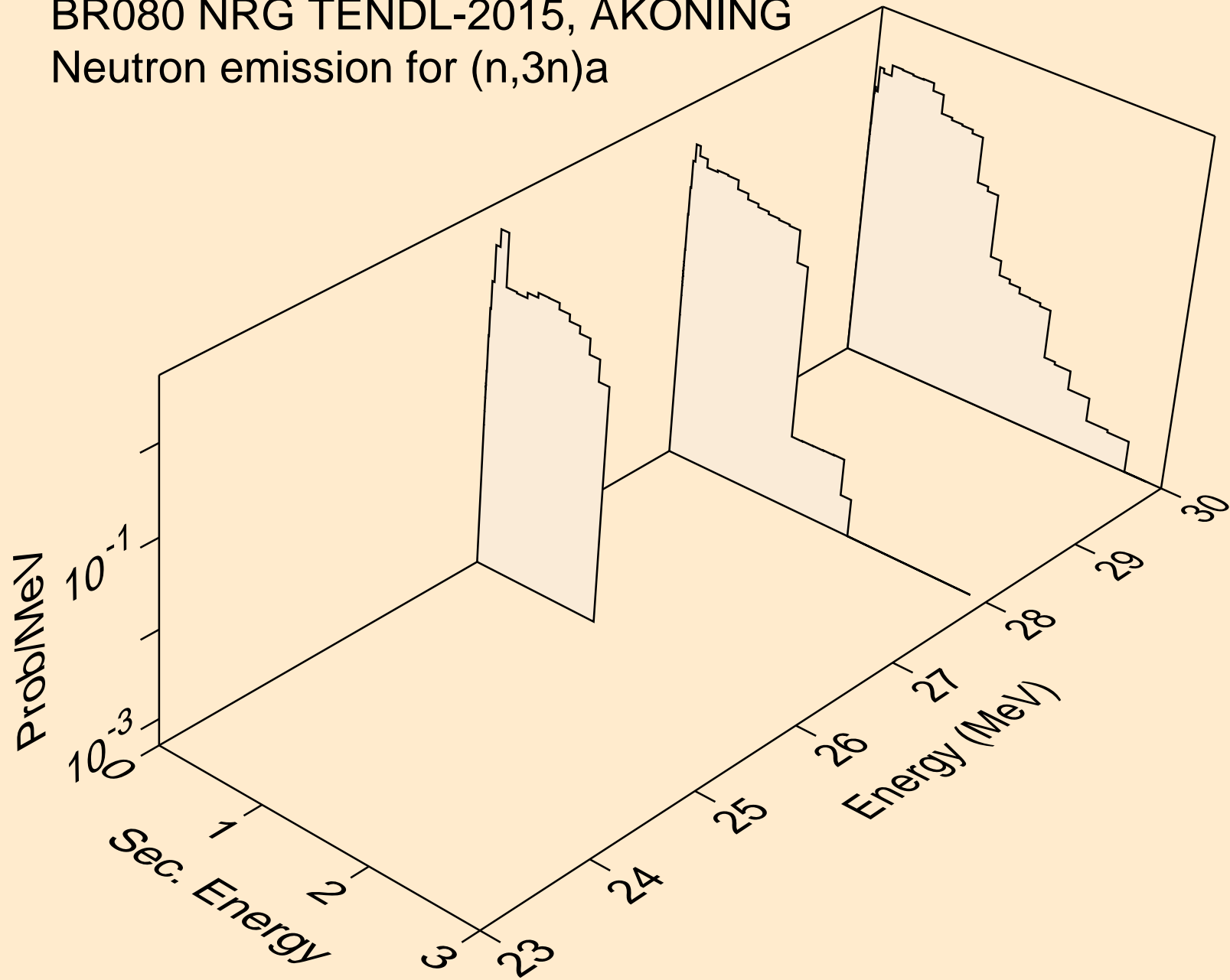
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



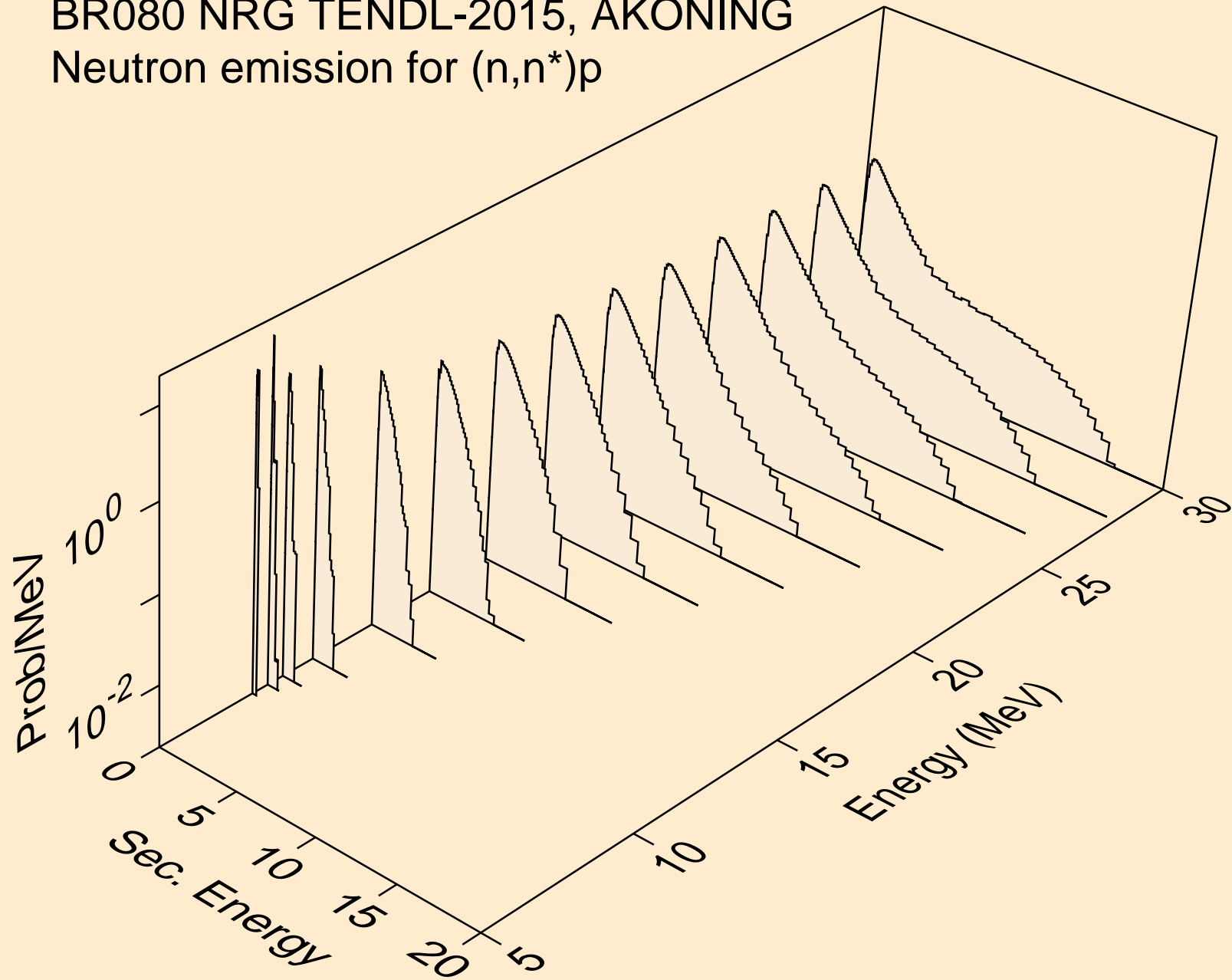
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



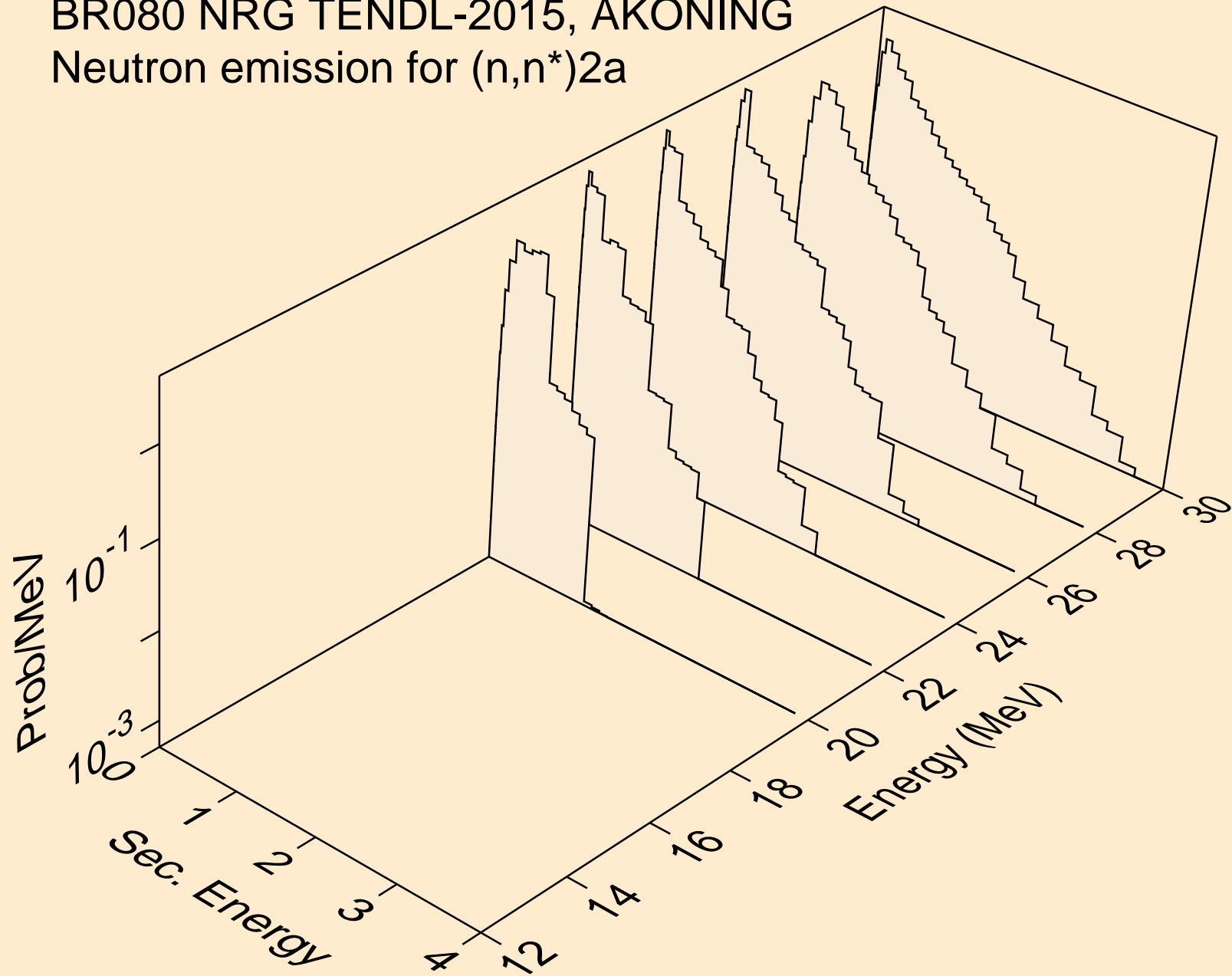
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



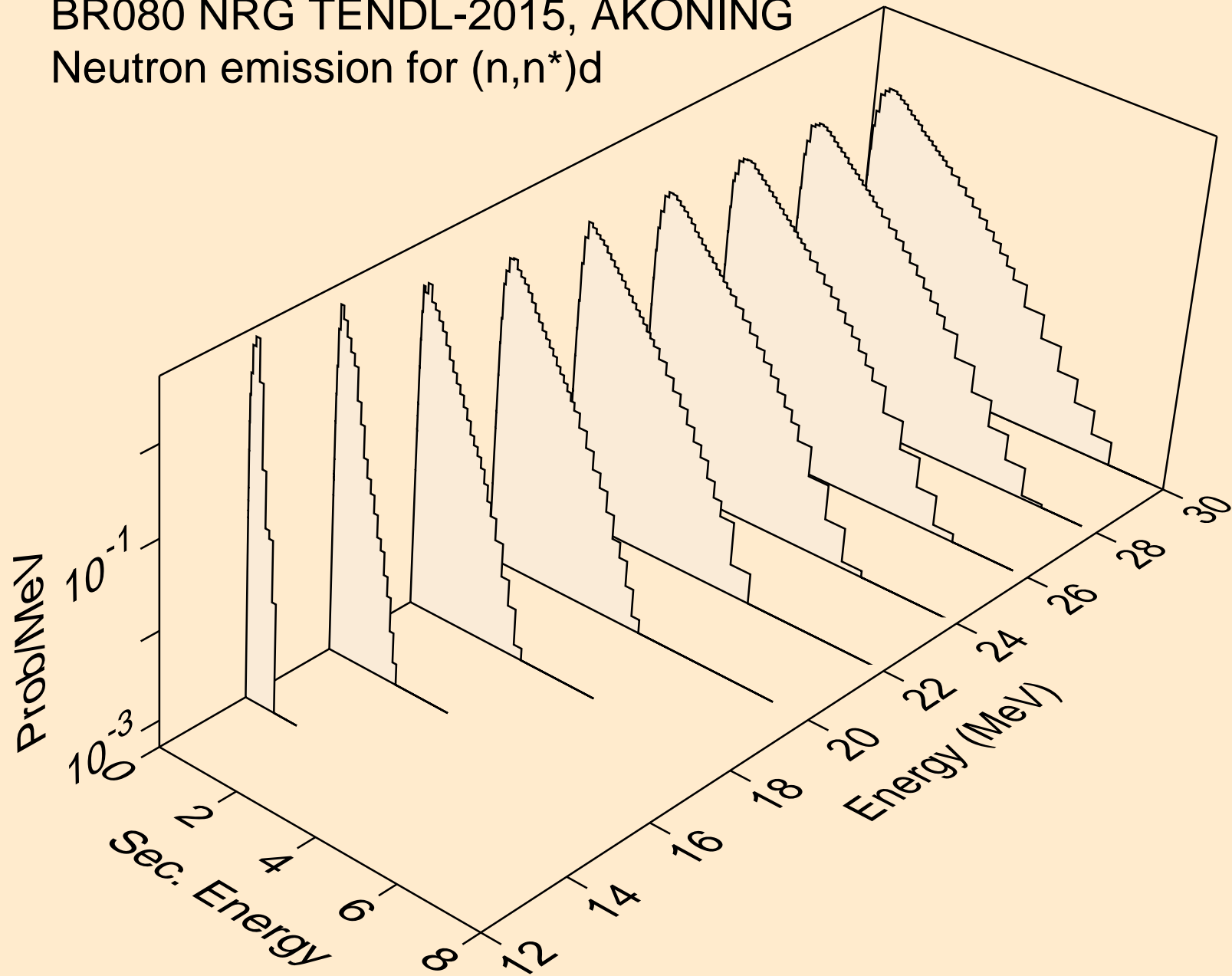
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

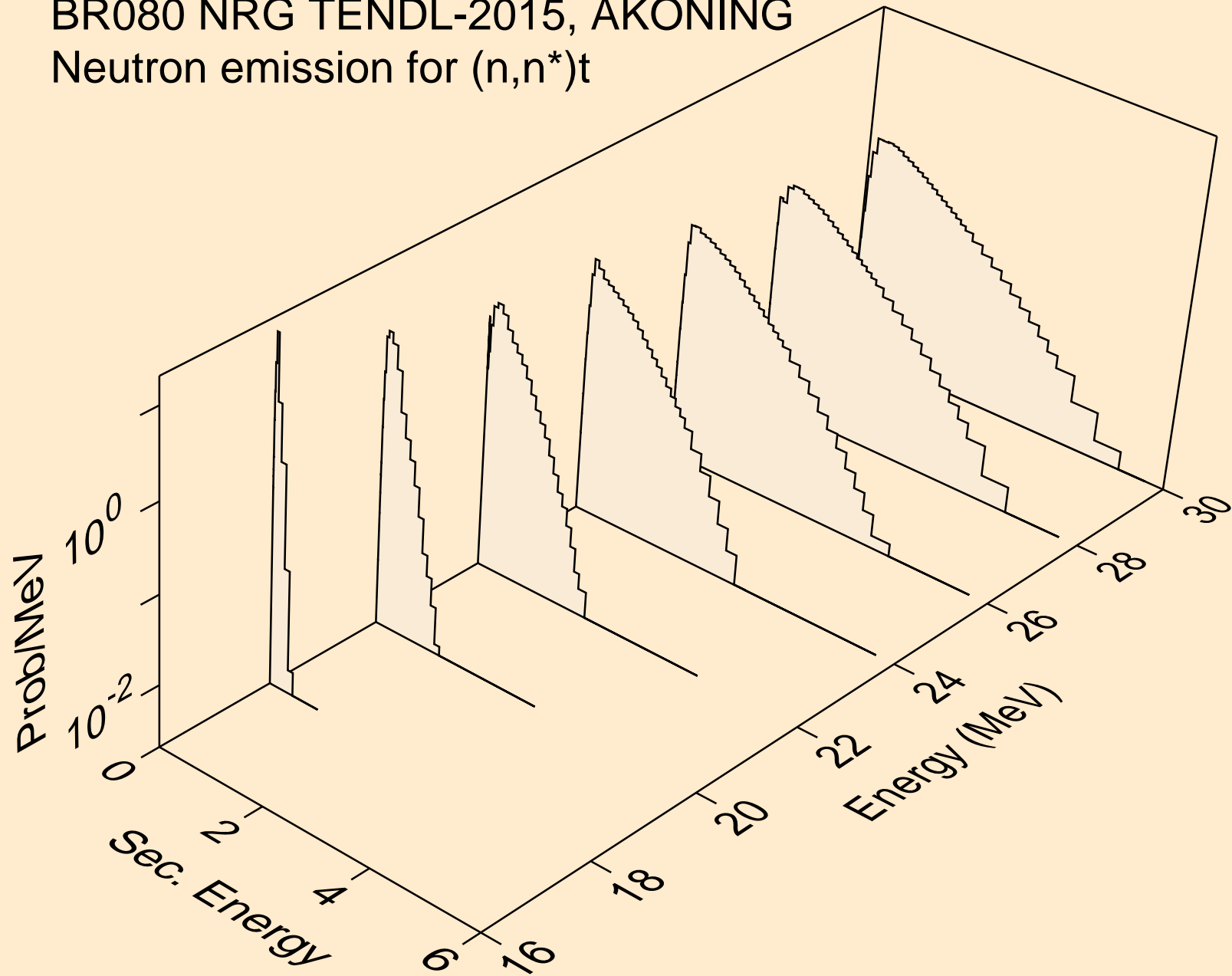


BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

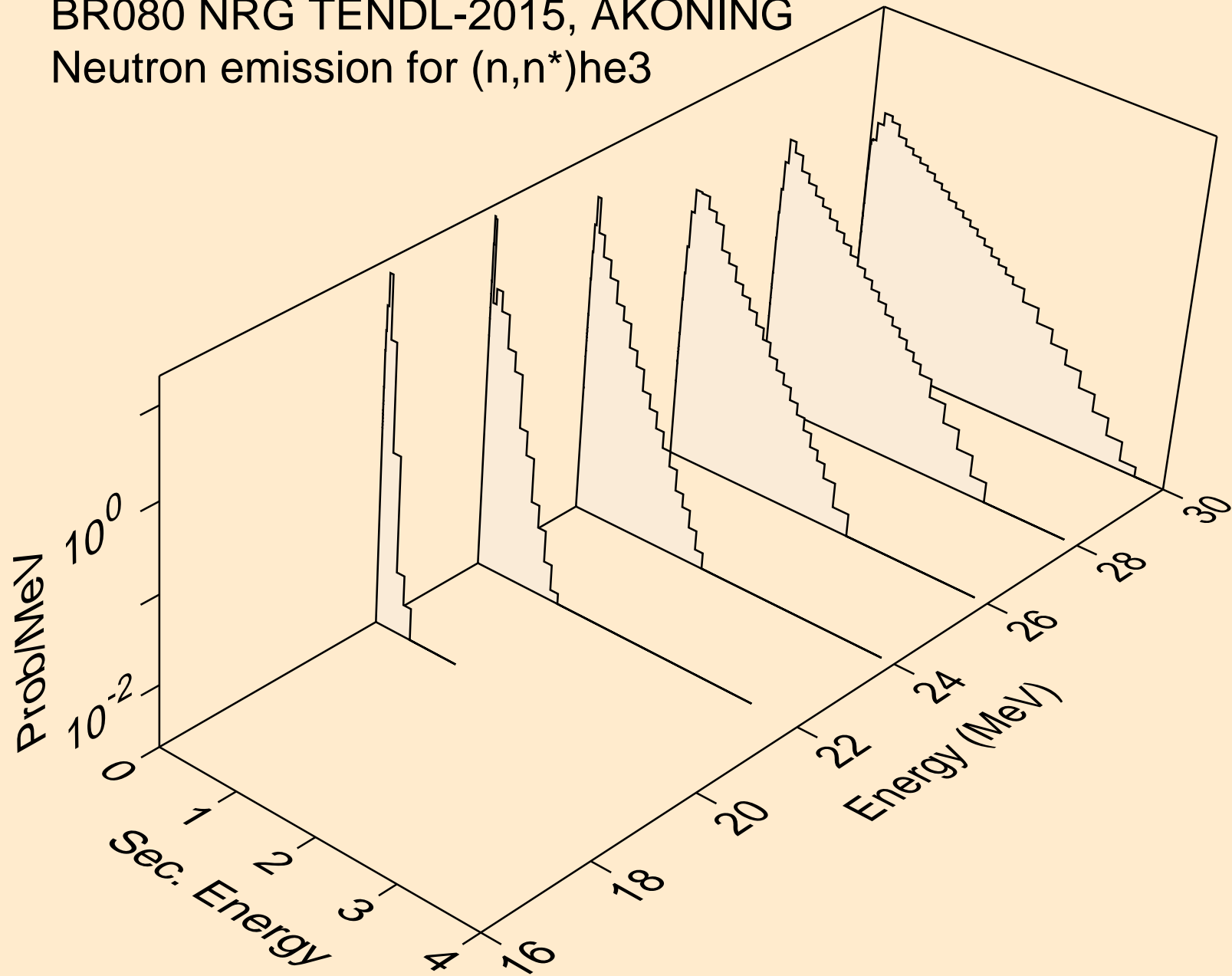




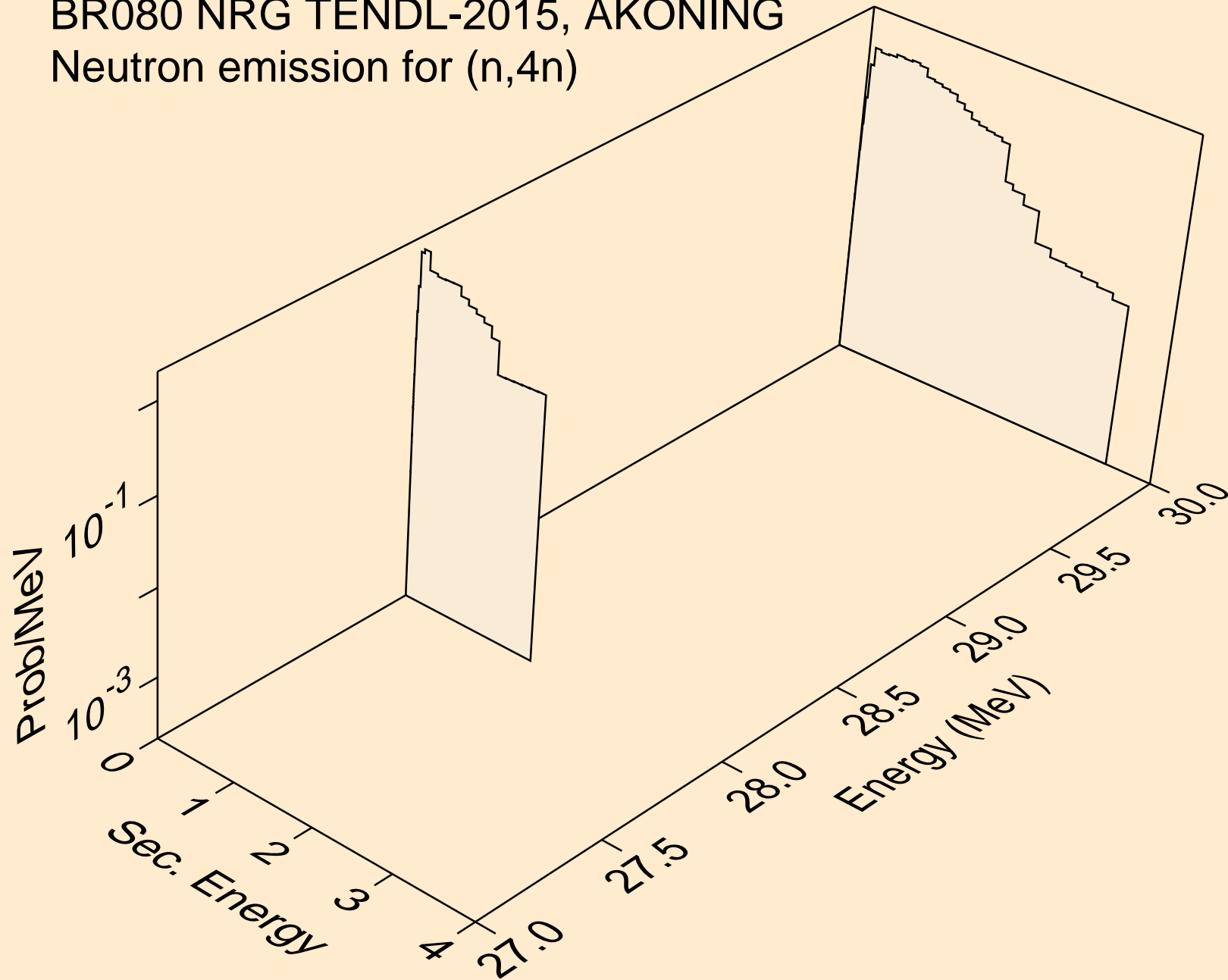
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



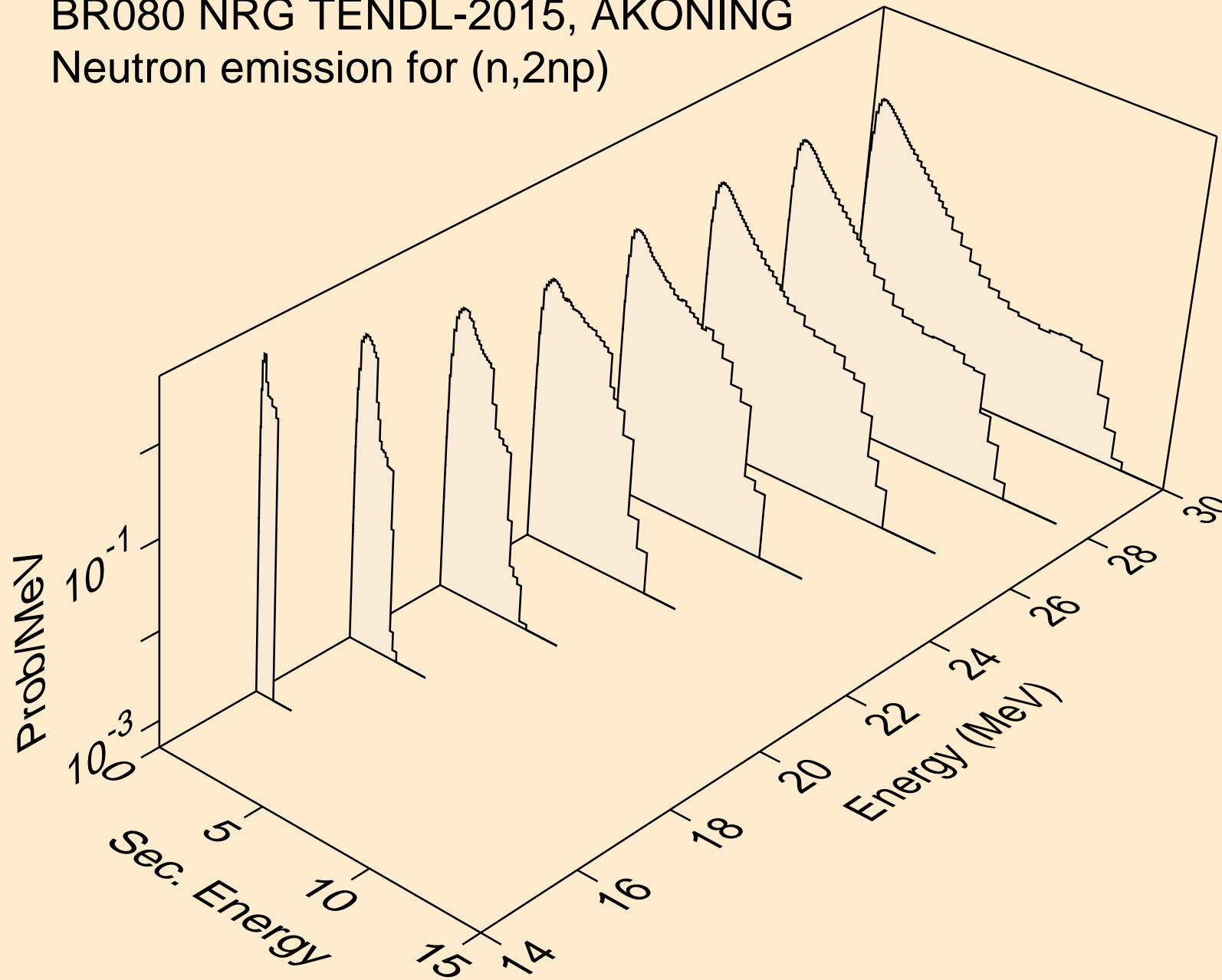
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



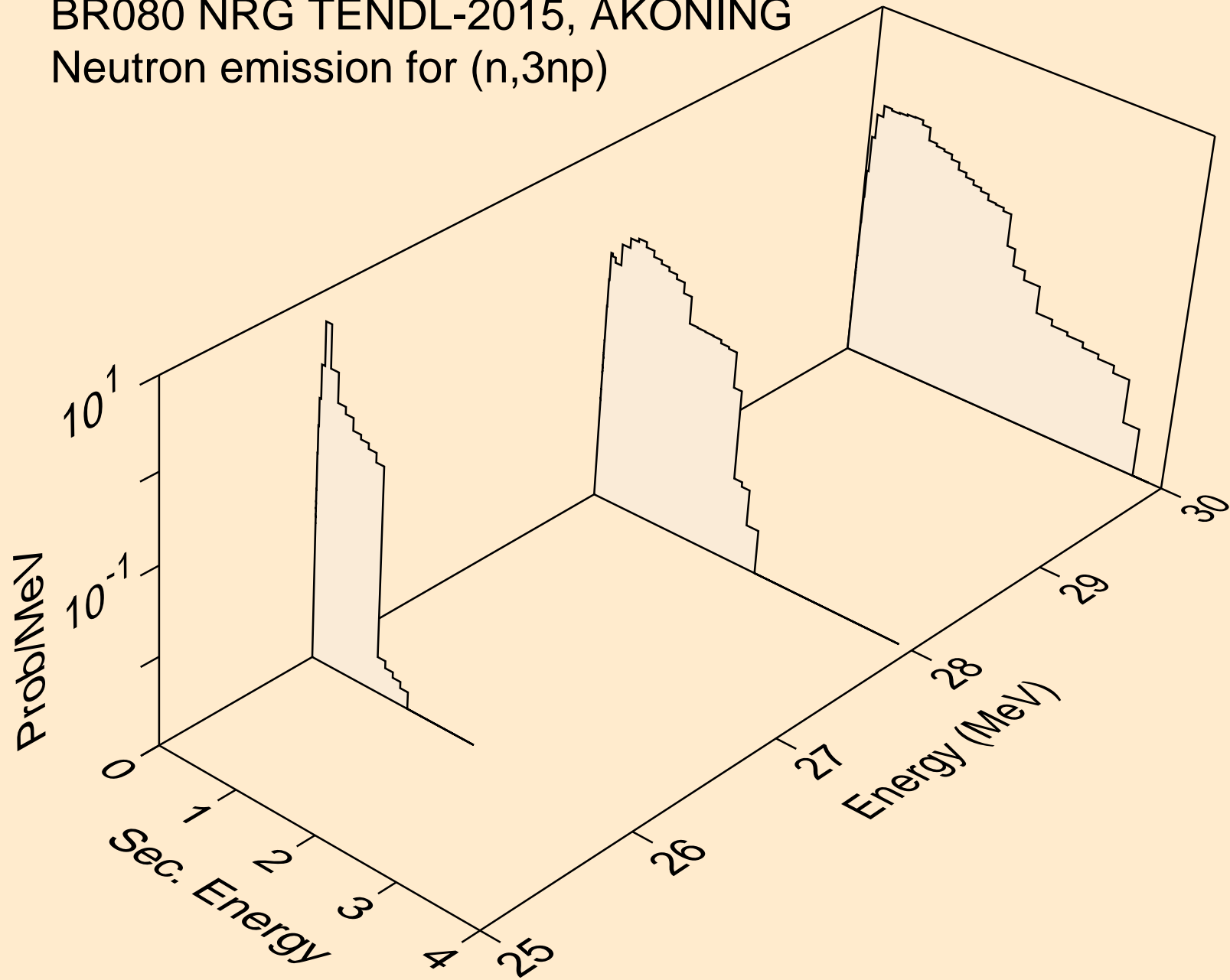
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



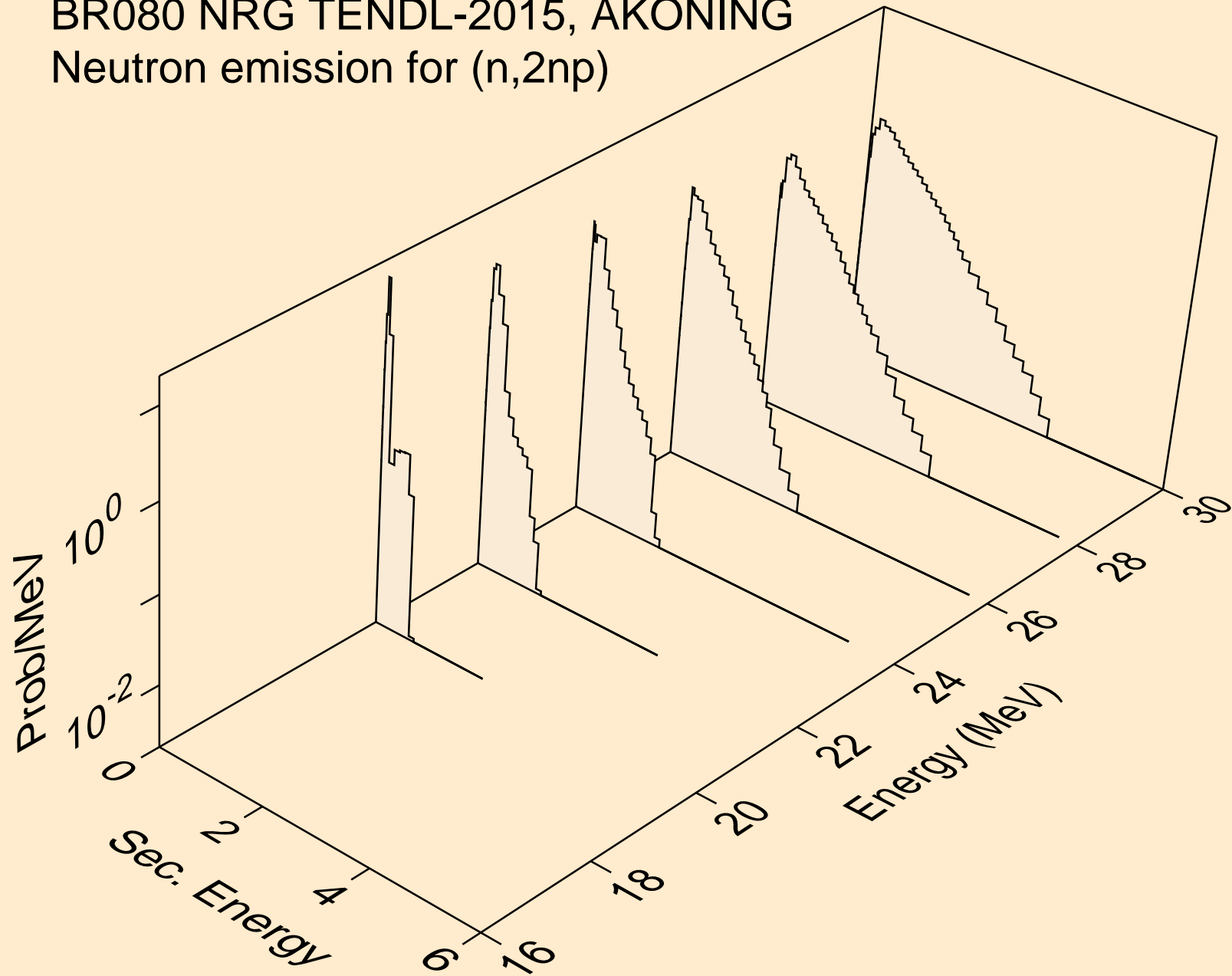
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



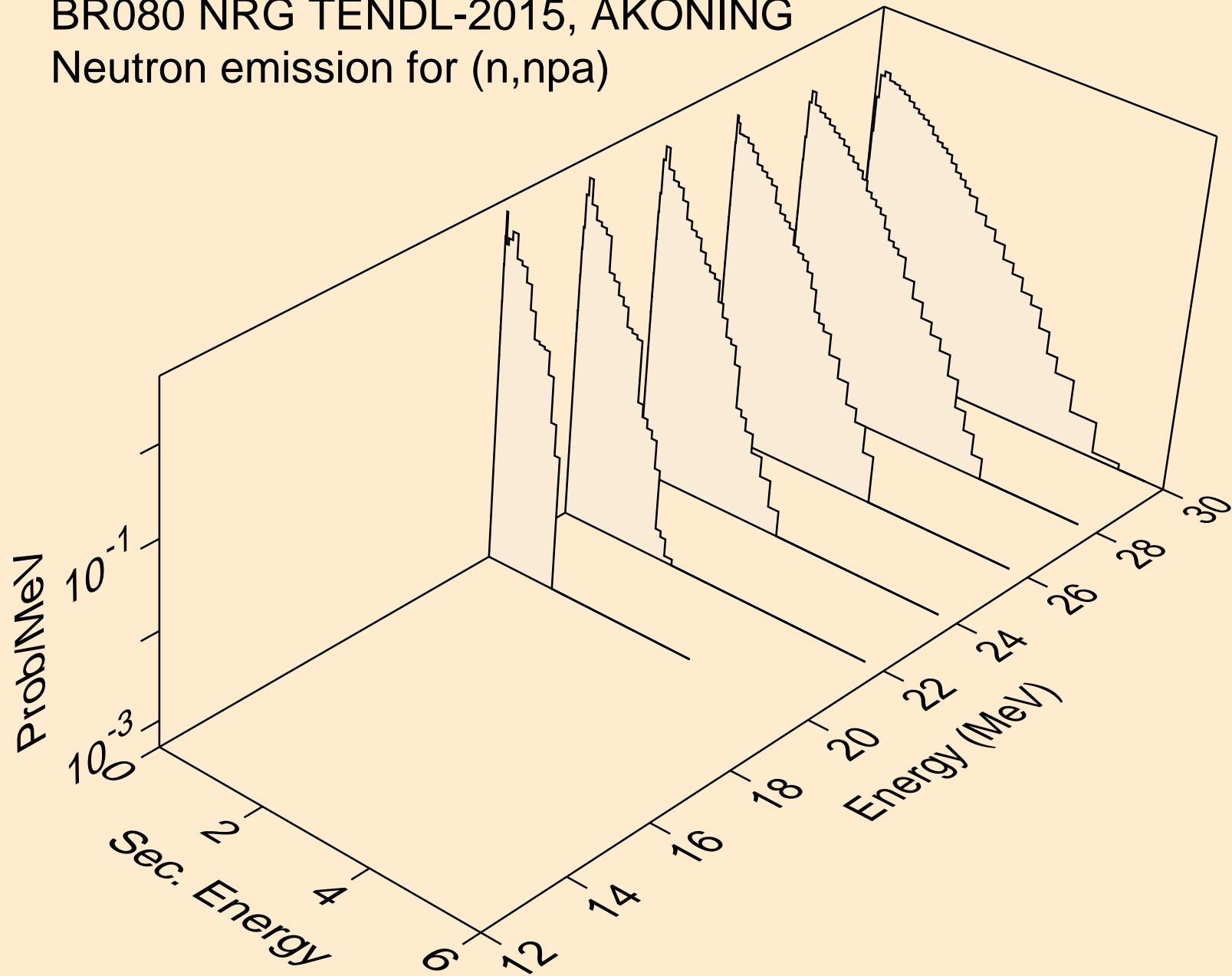
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



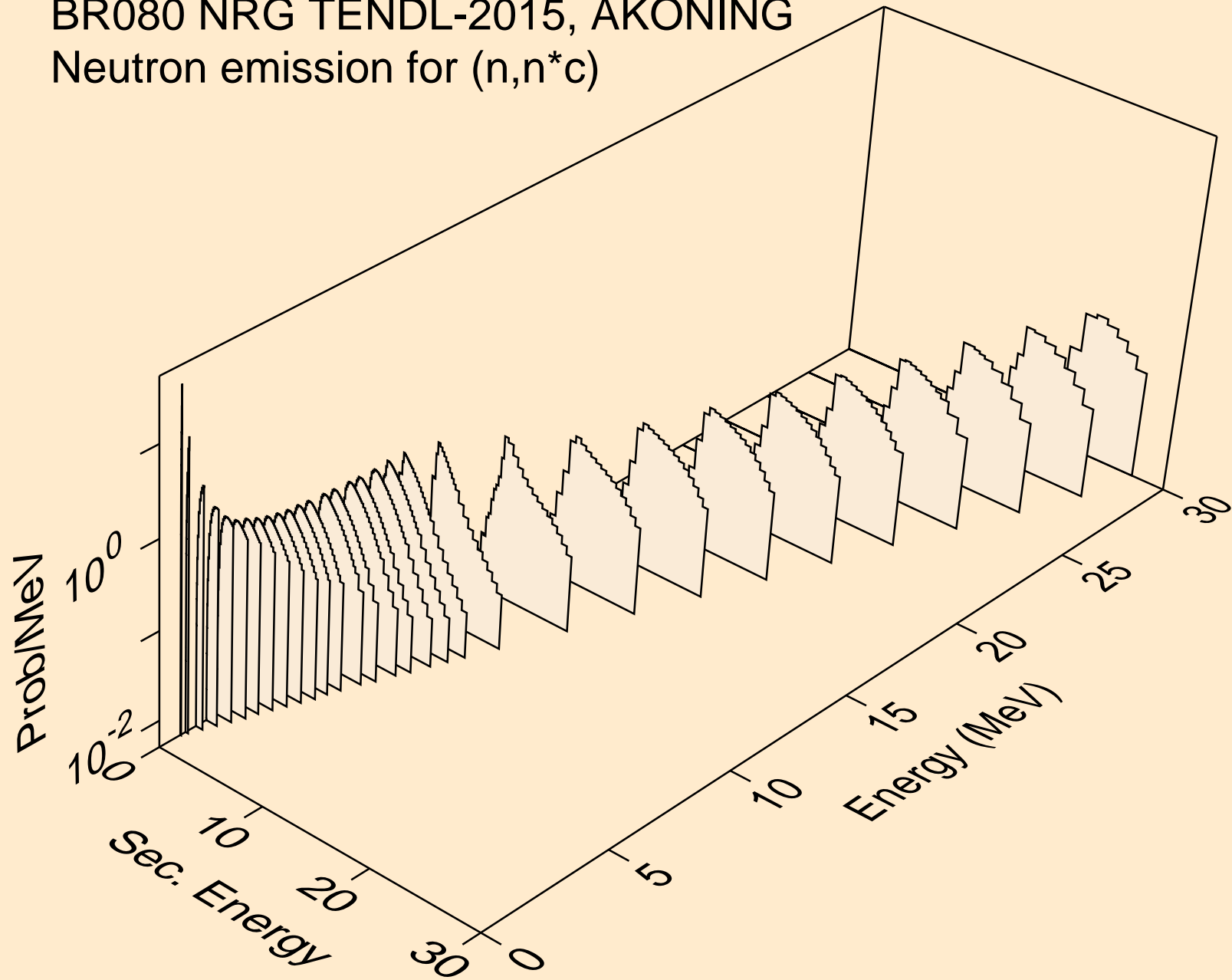
BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

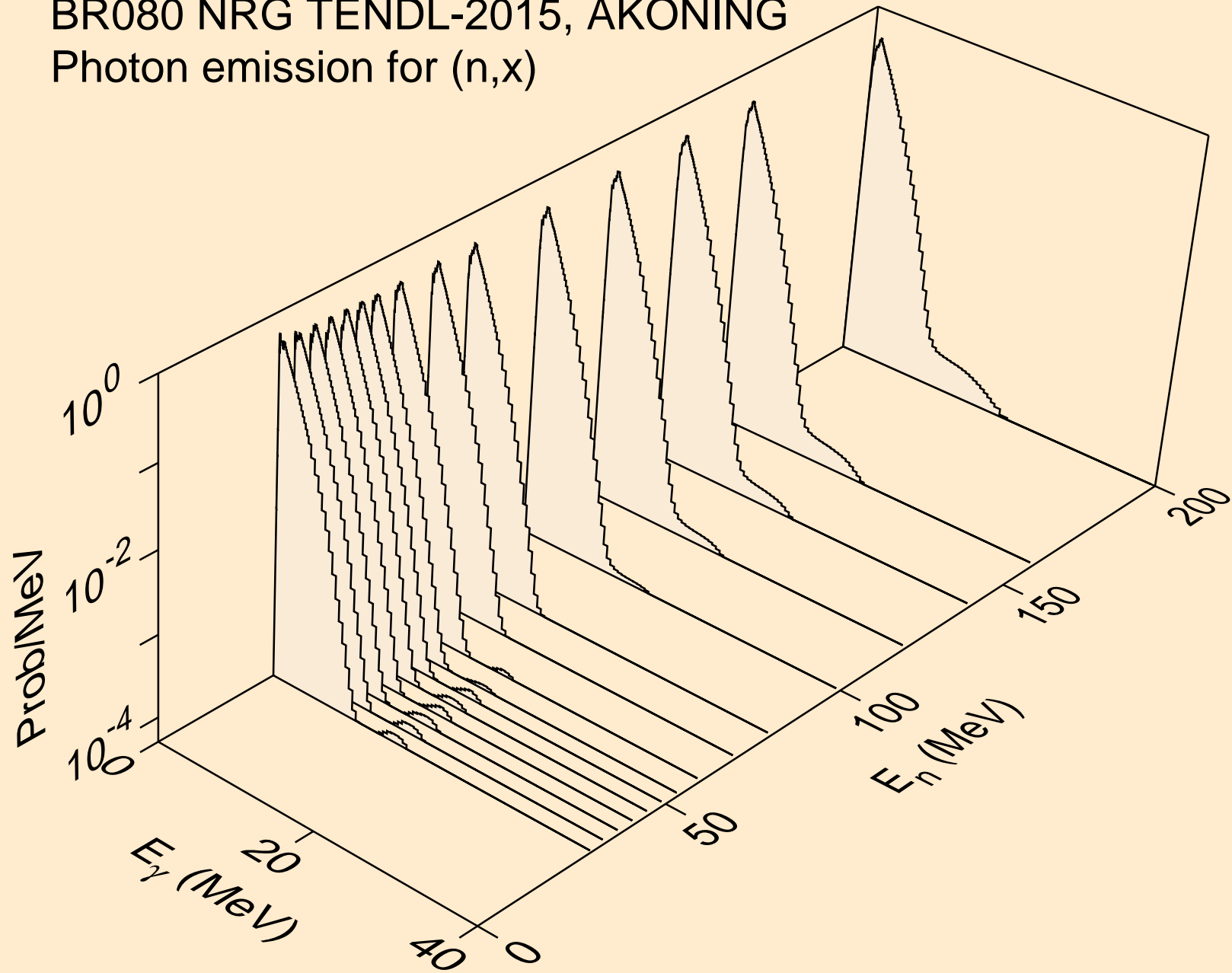


BR080 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

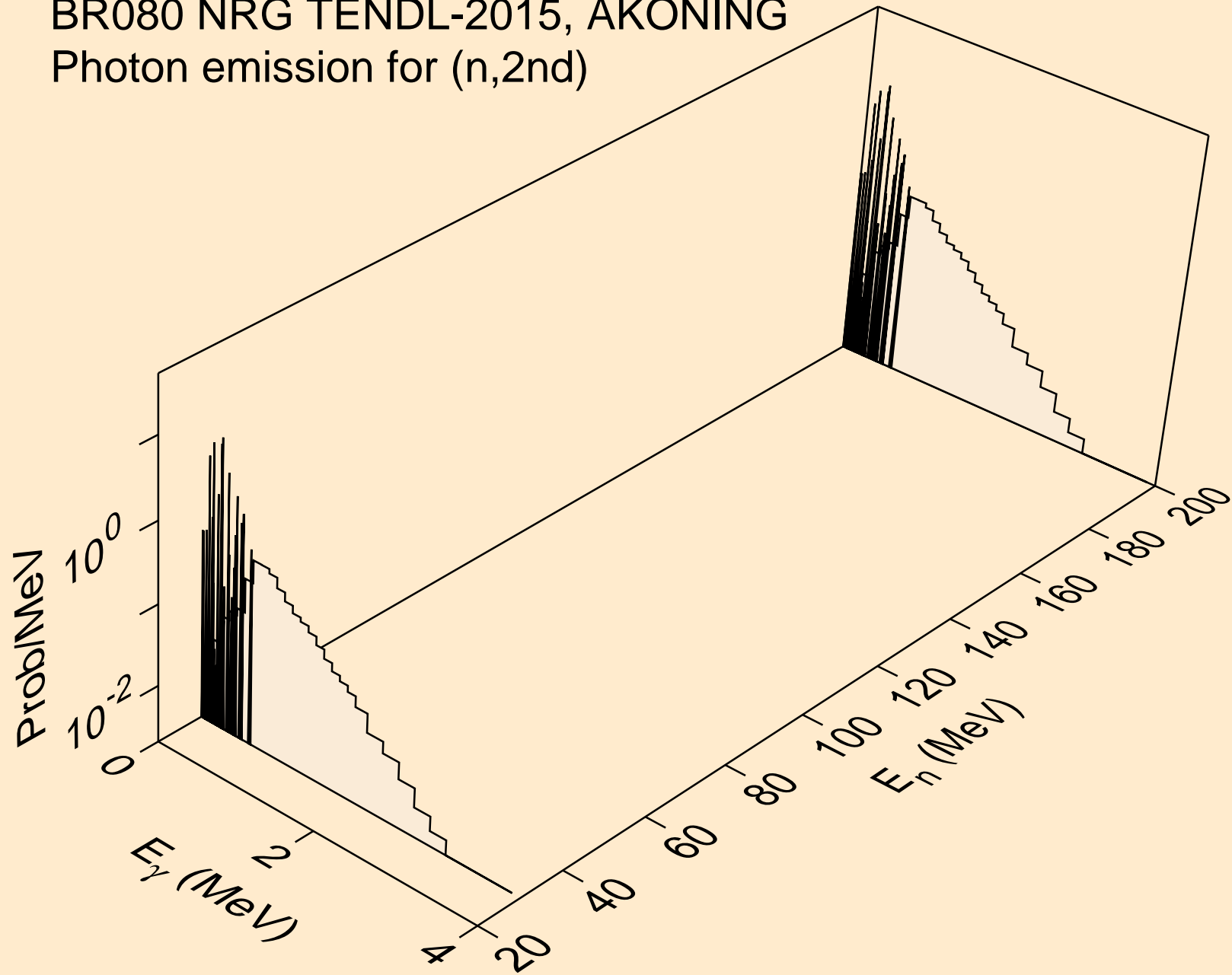




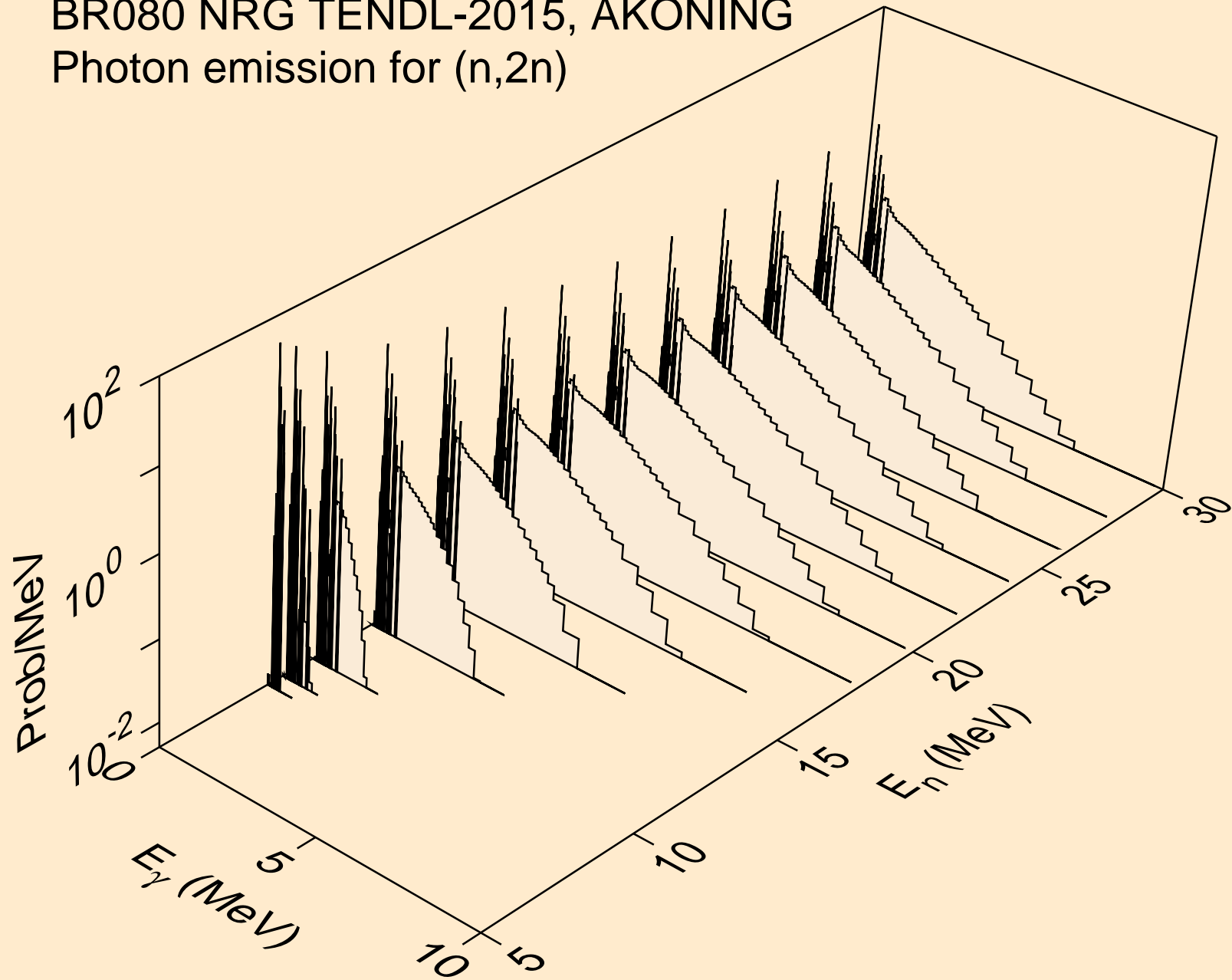
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



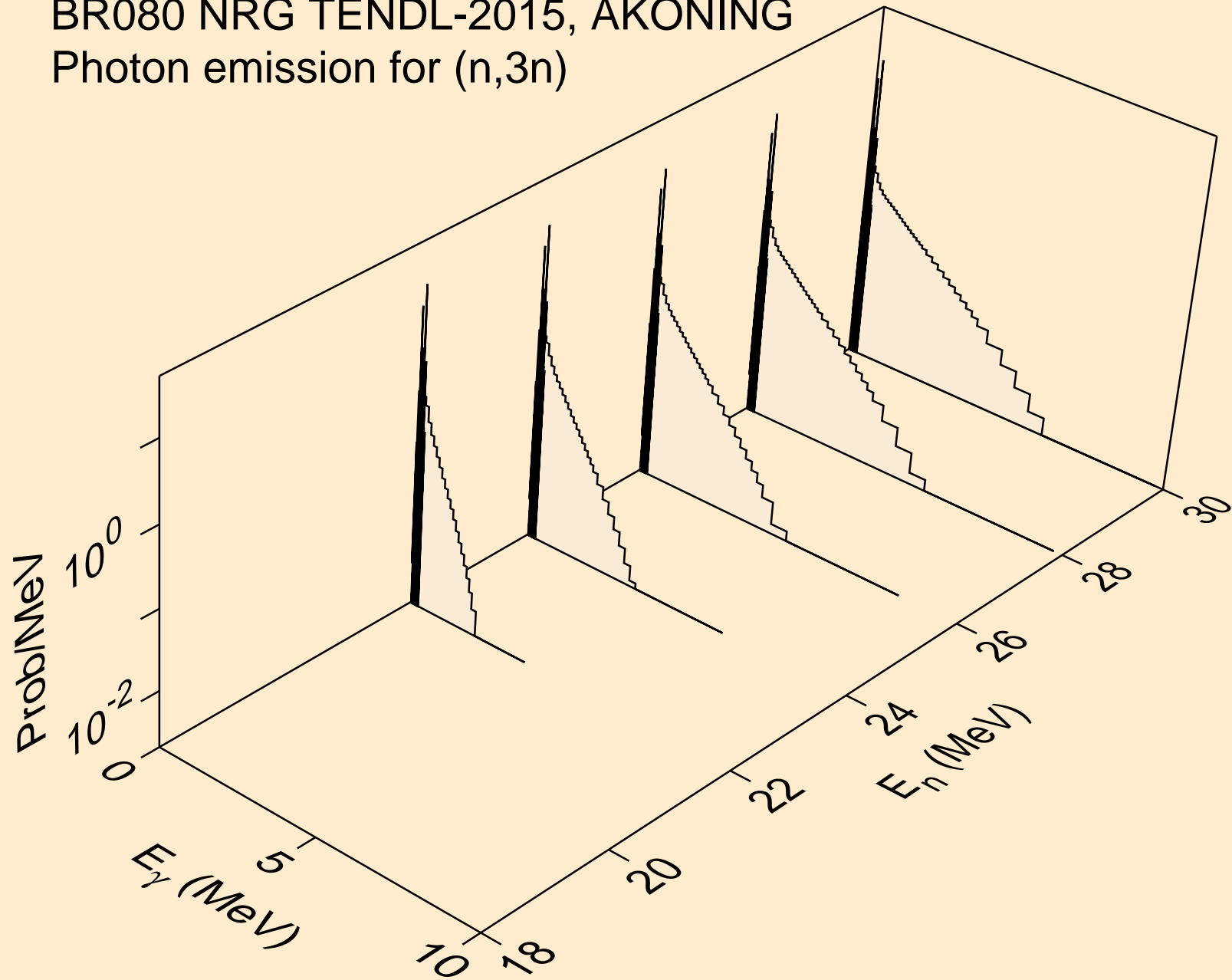
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



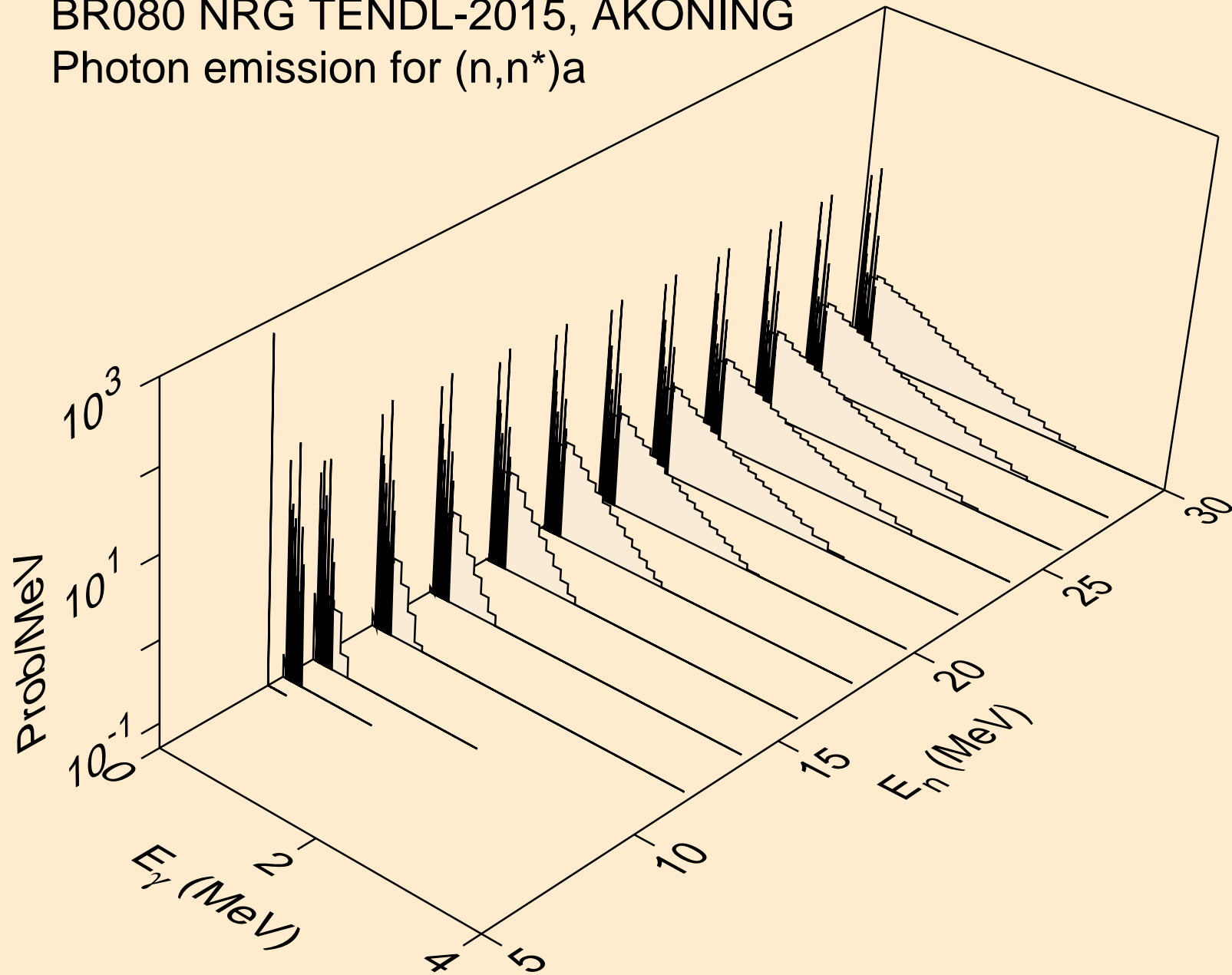
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



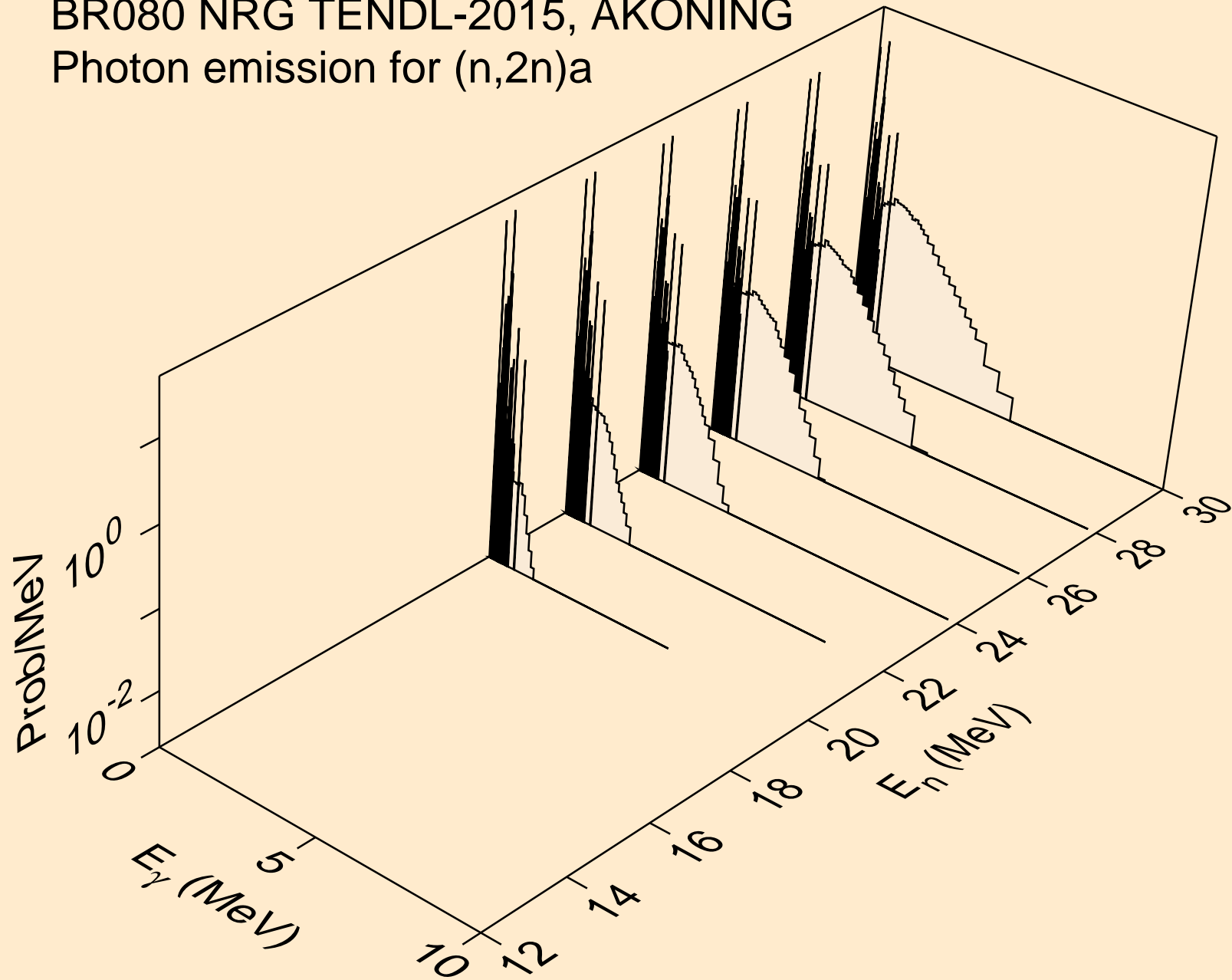
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



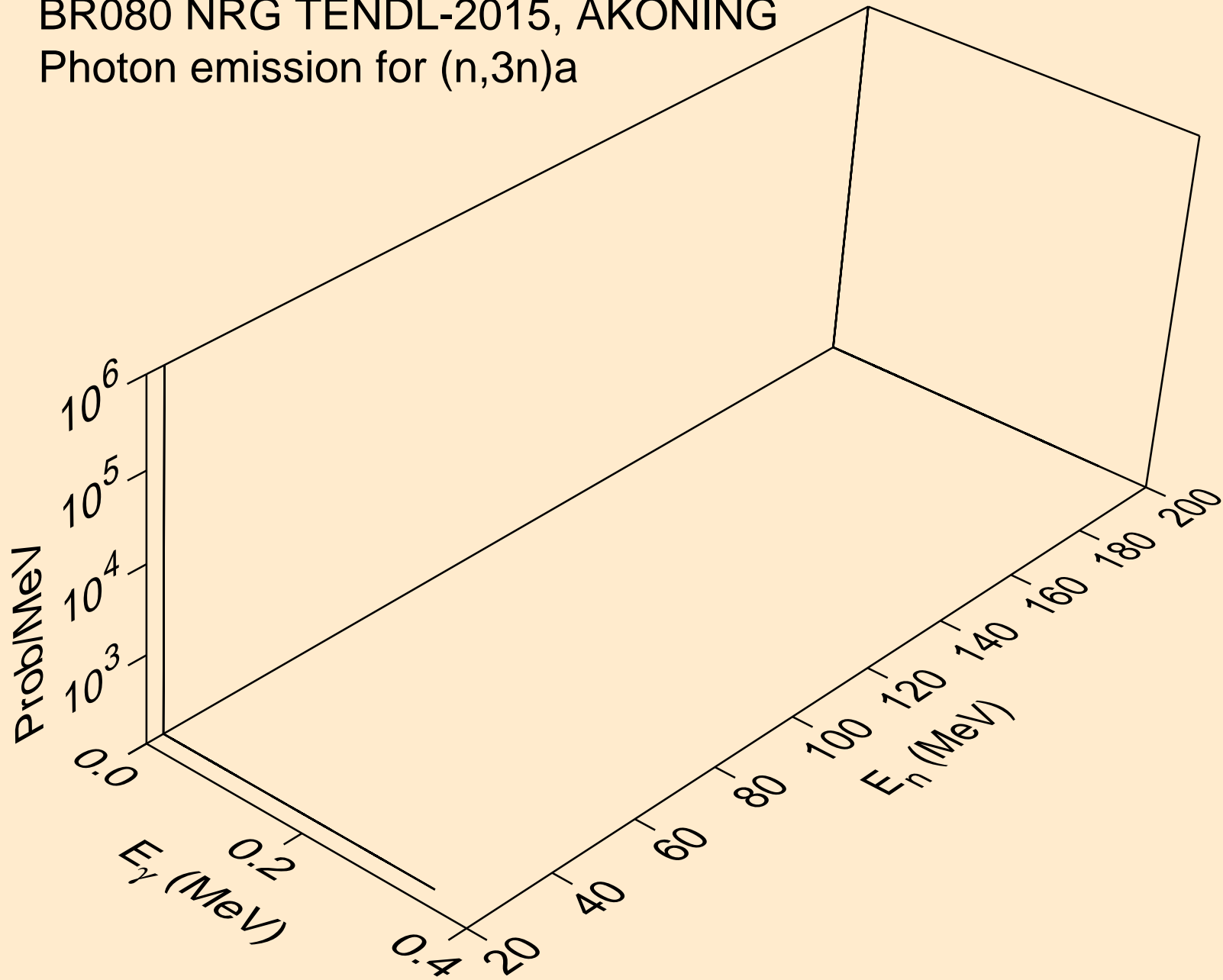
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



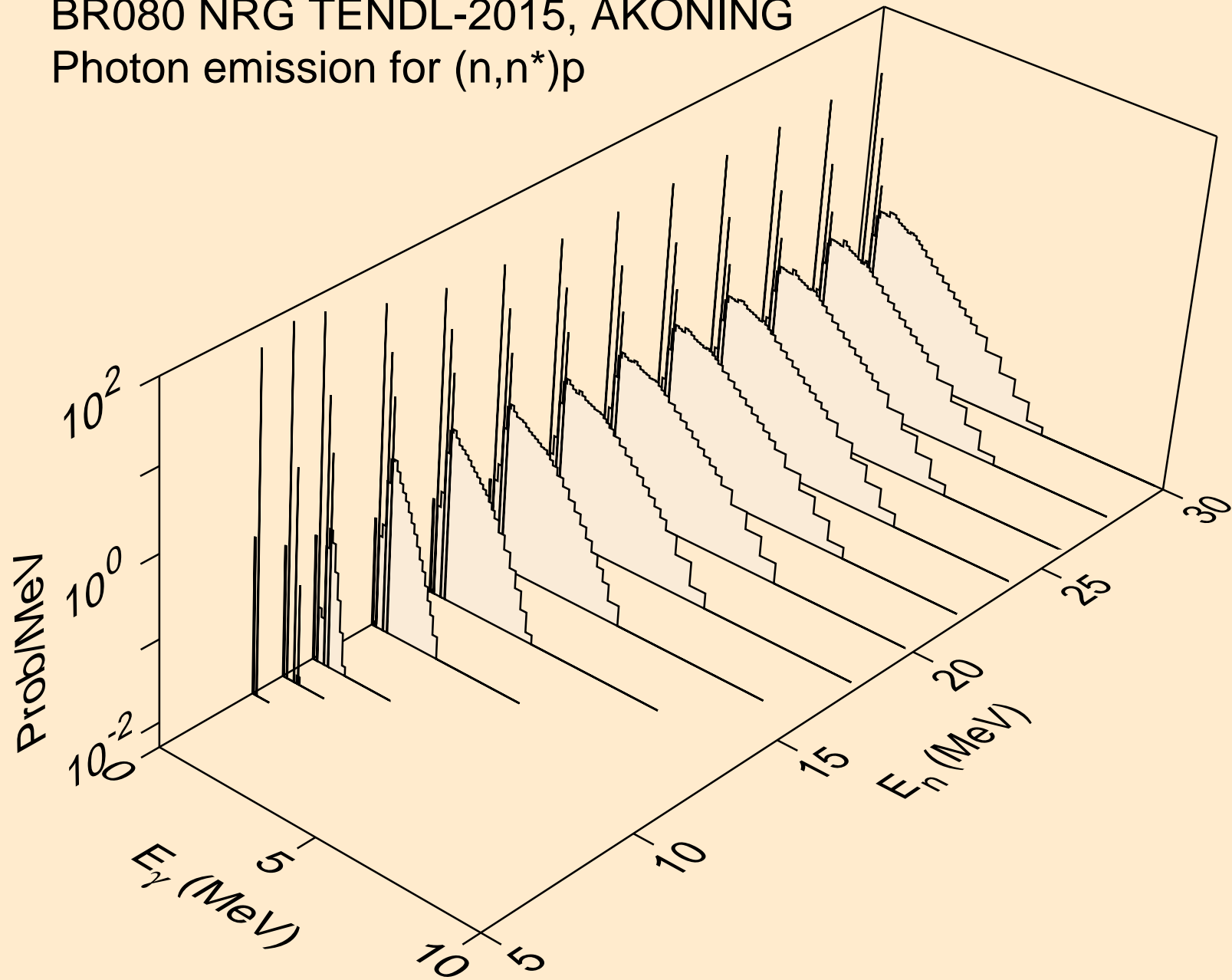
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

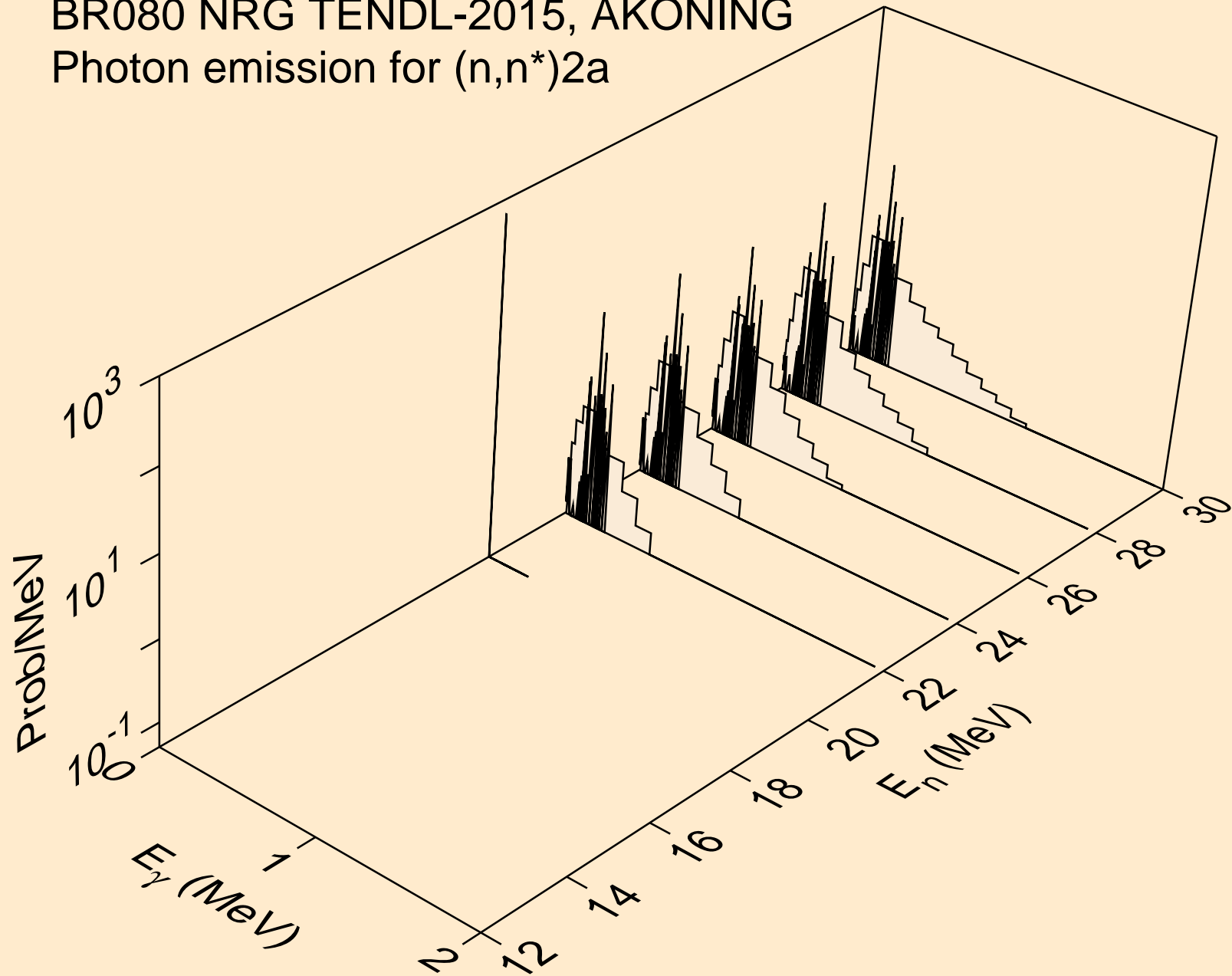


BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

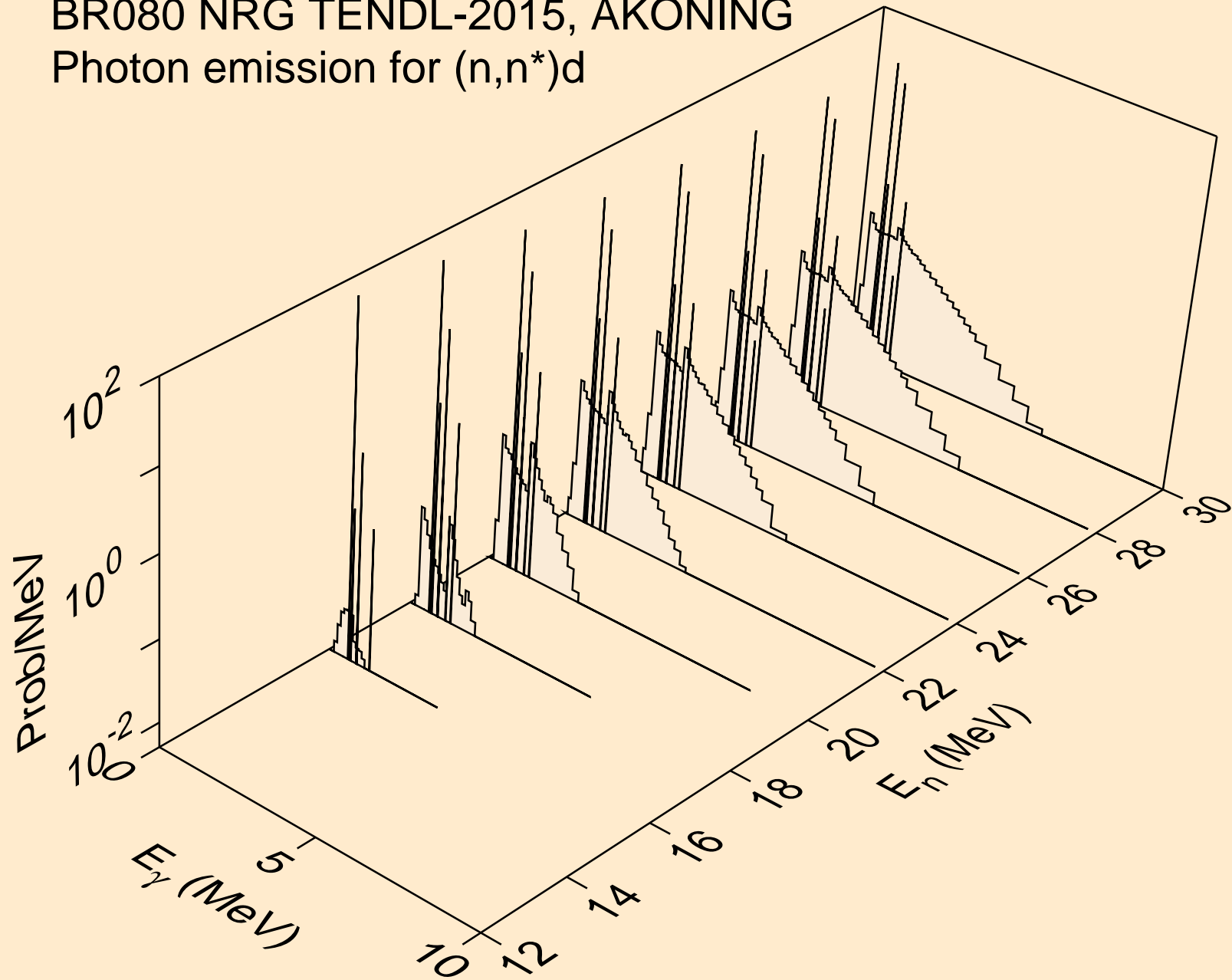




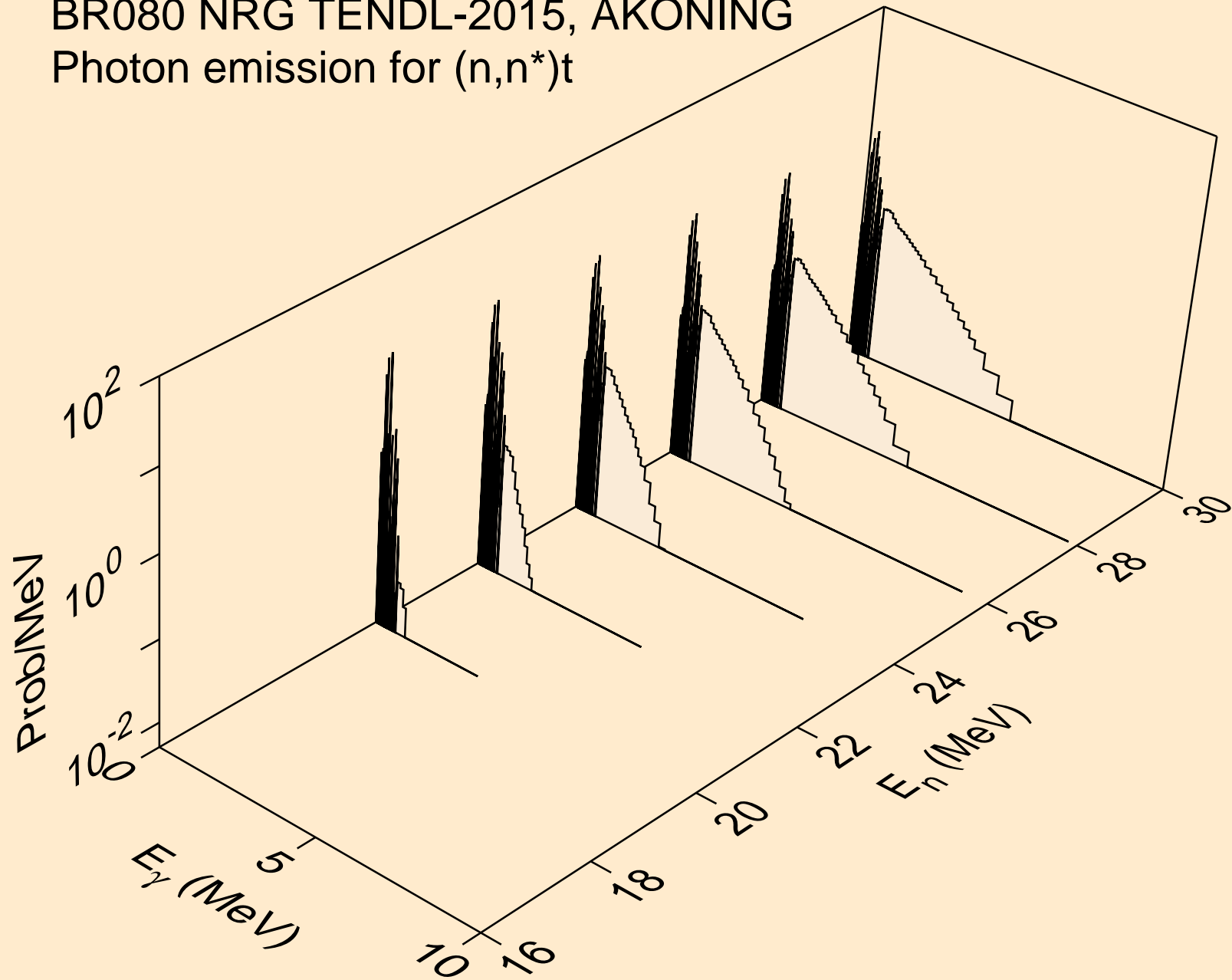
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



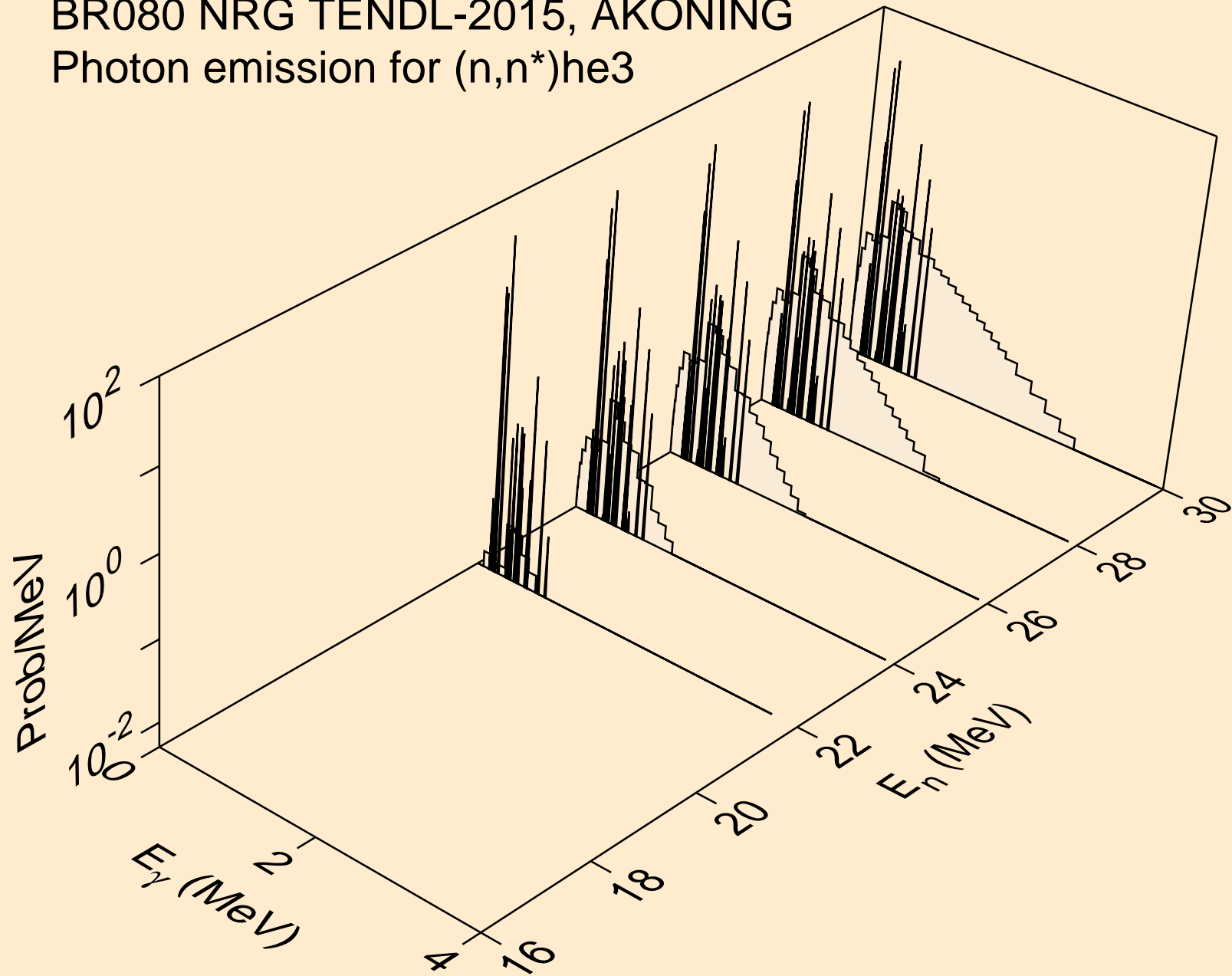
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



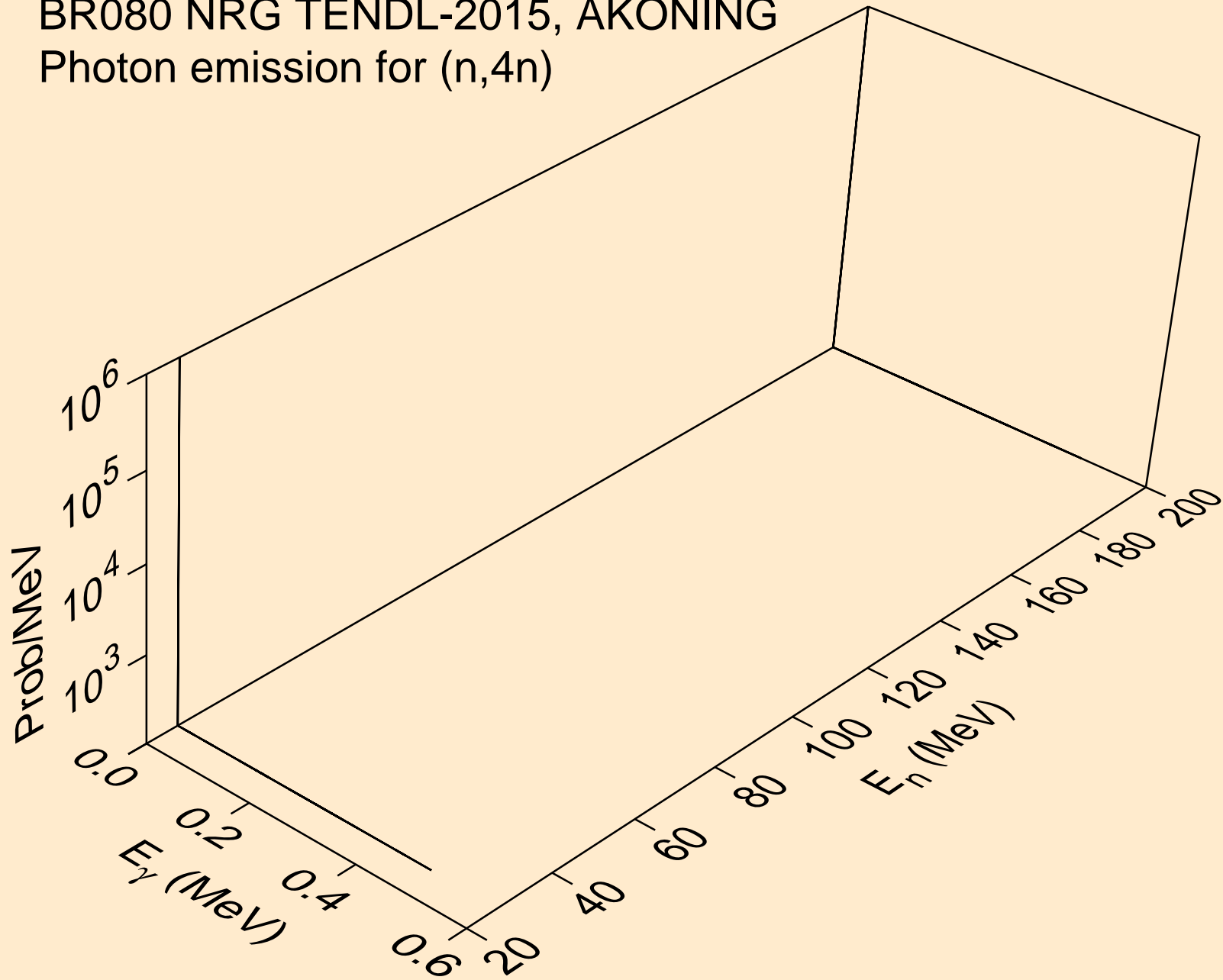
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



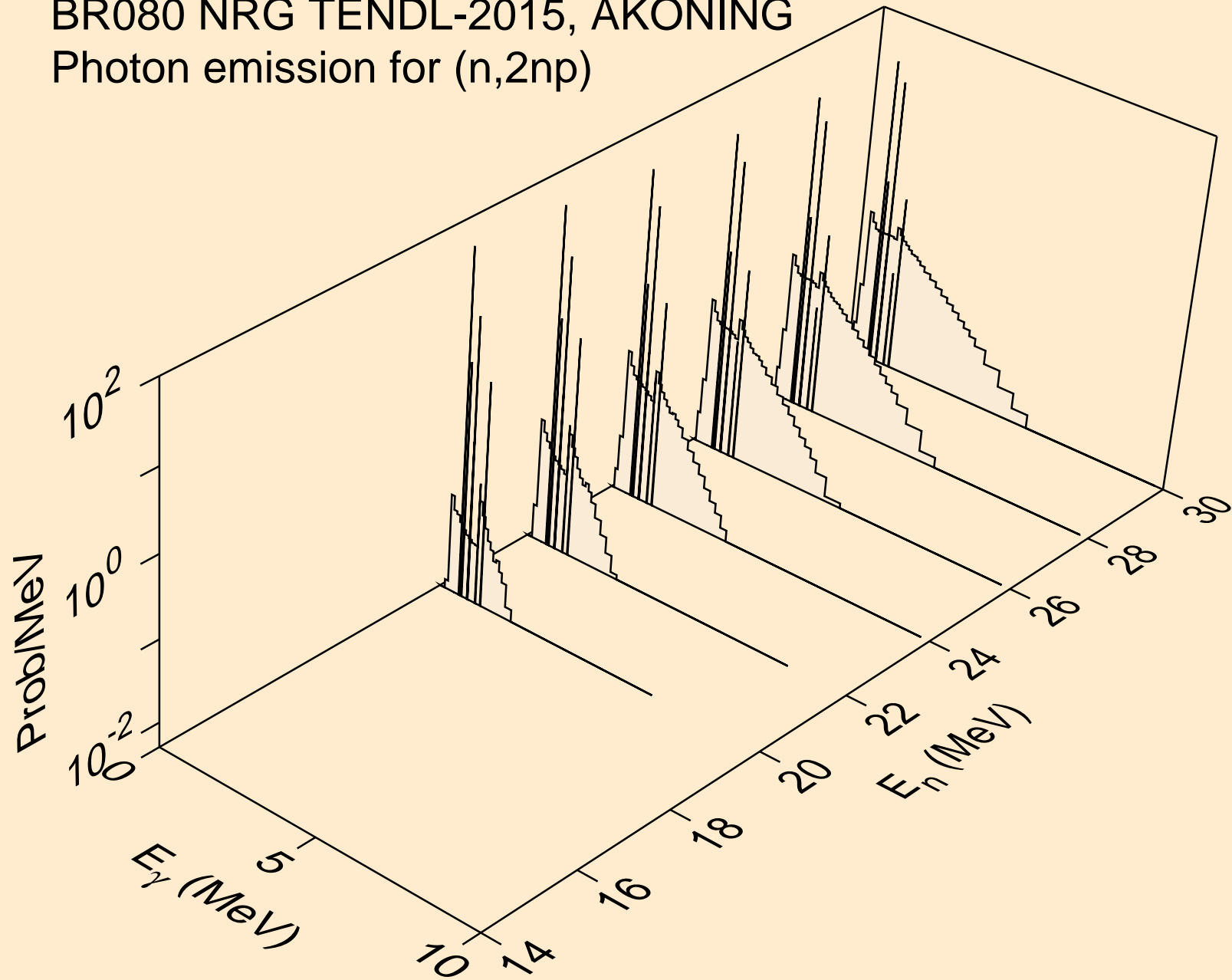
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



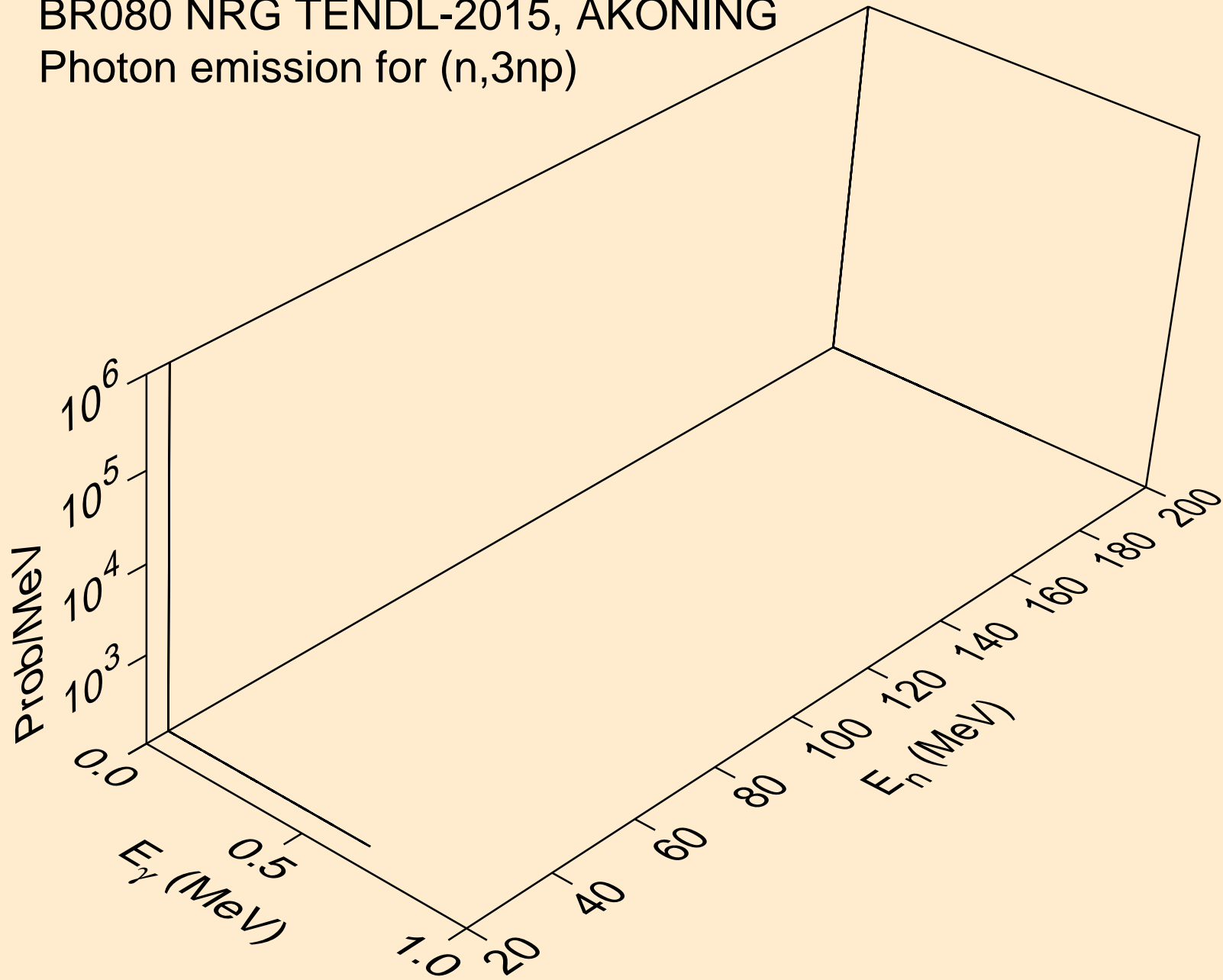
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



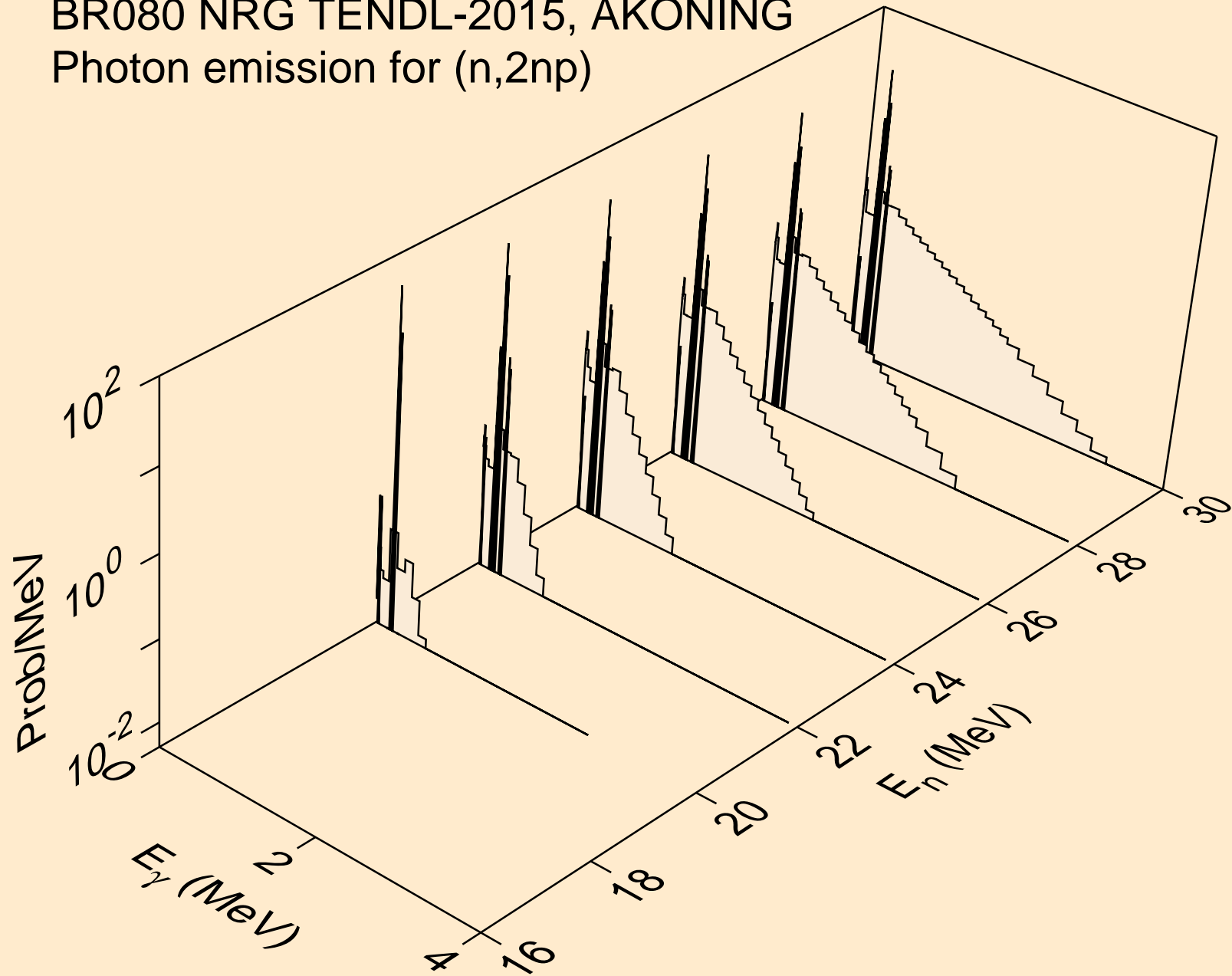
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

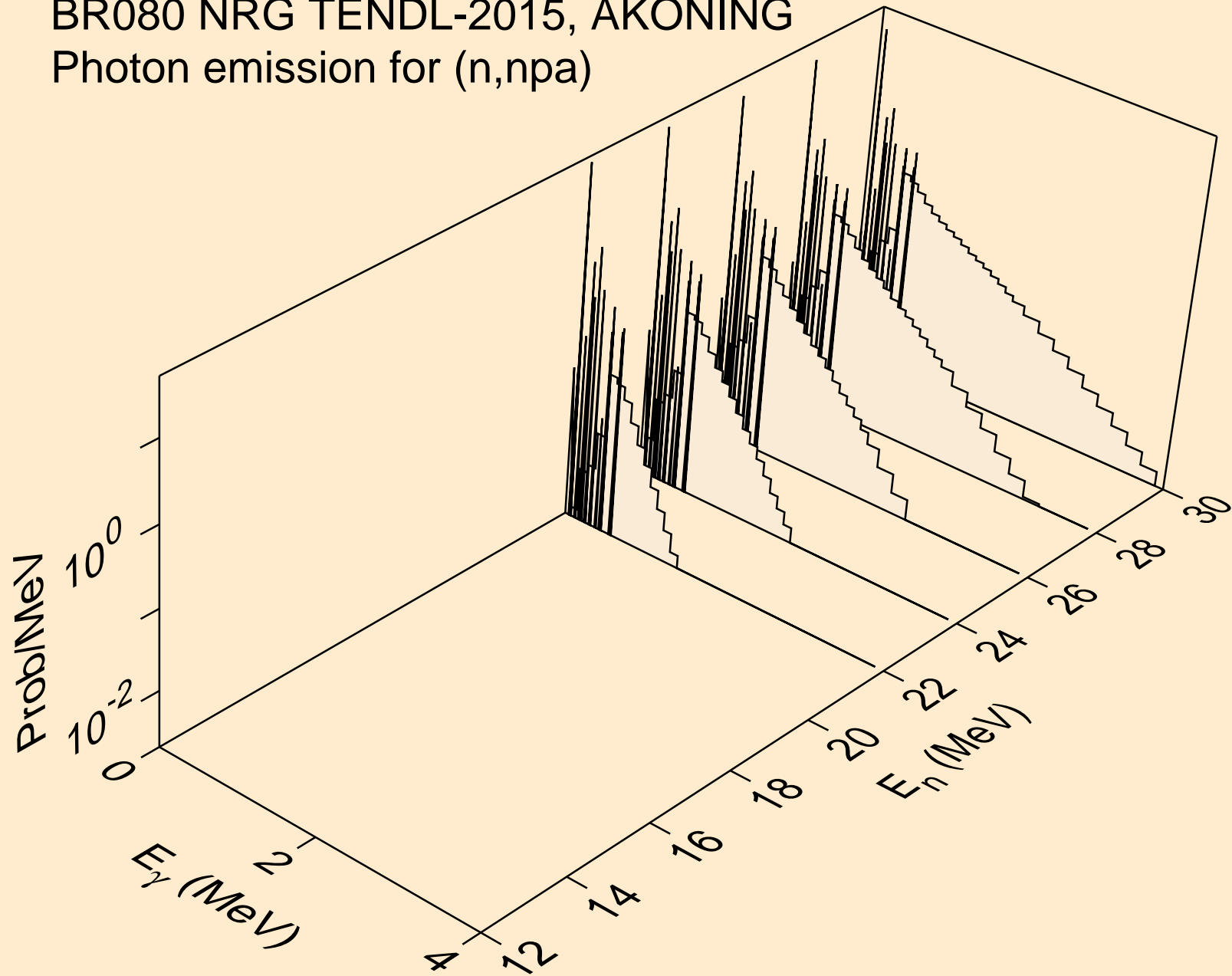


BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

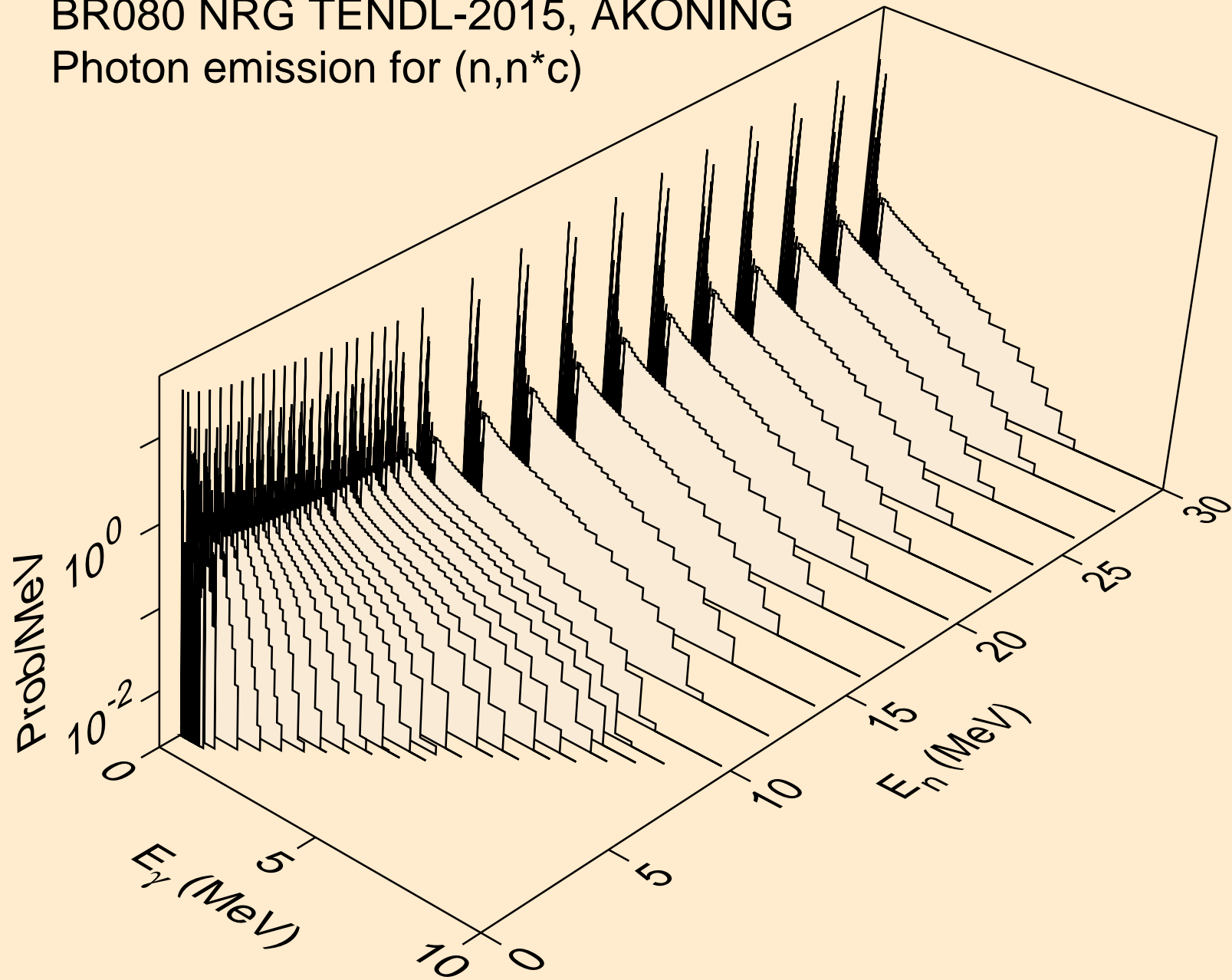




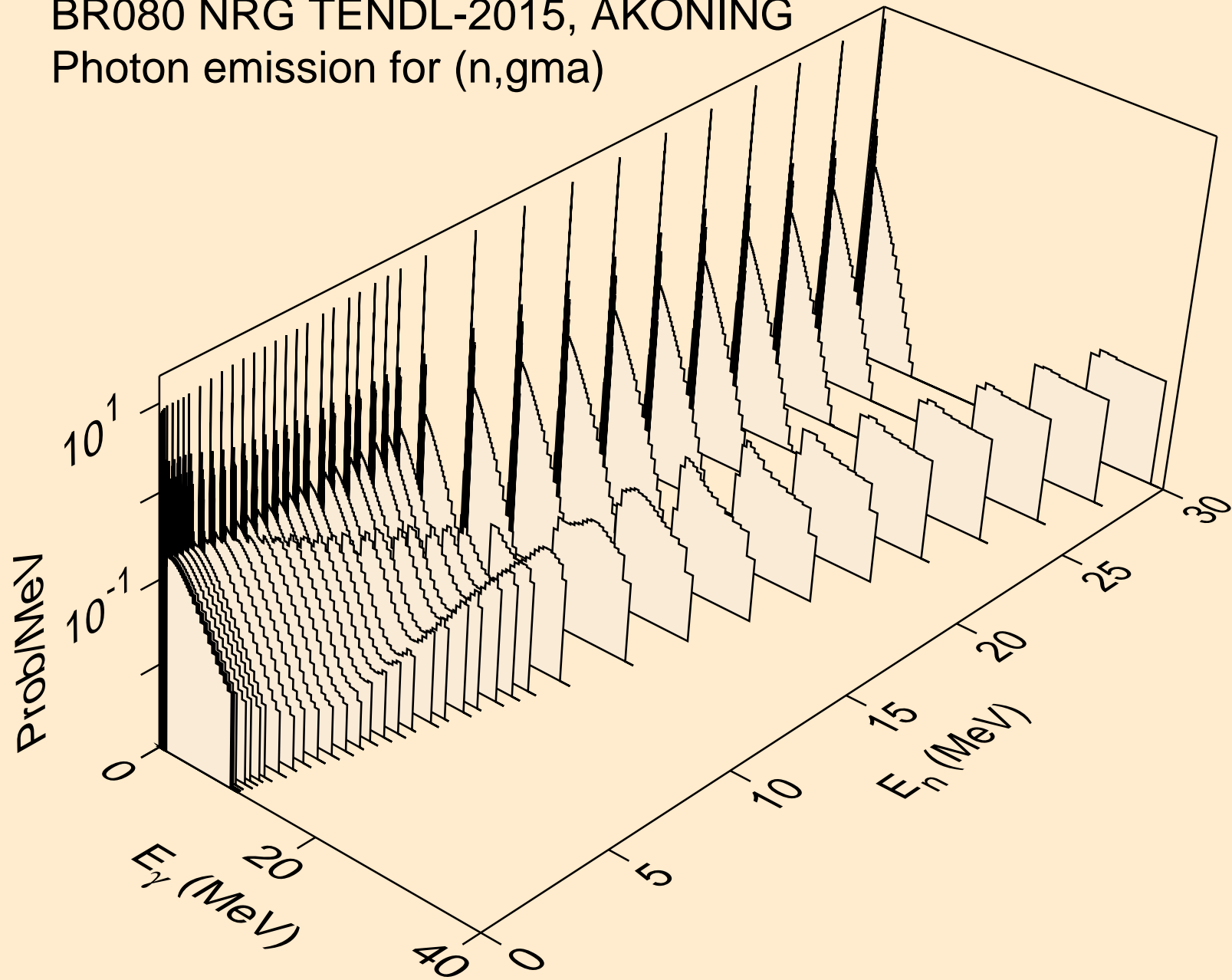
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



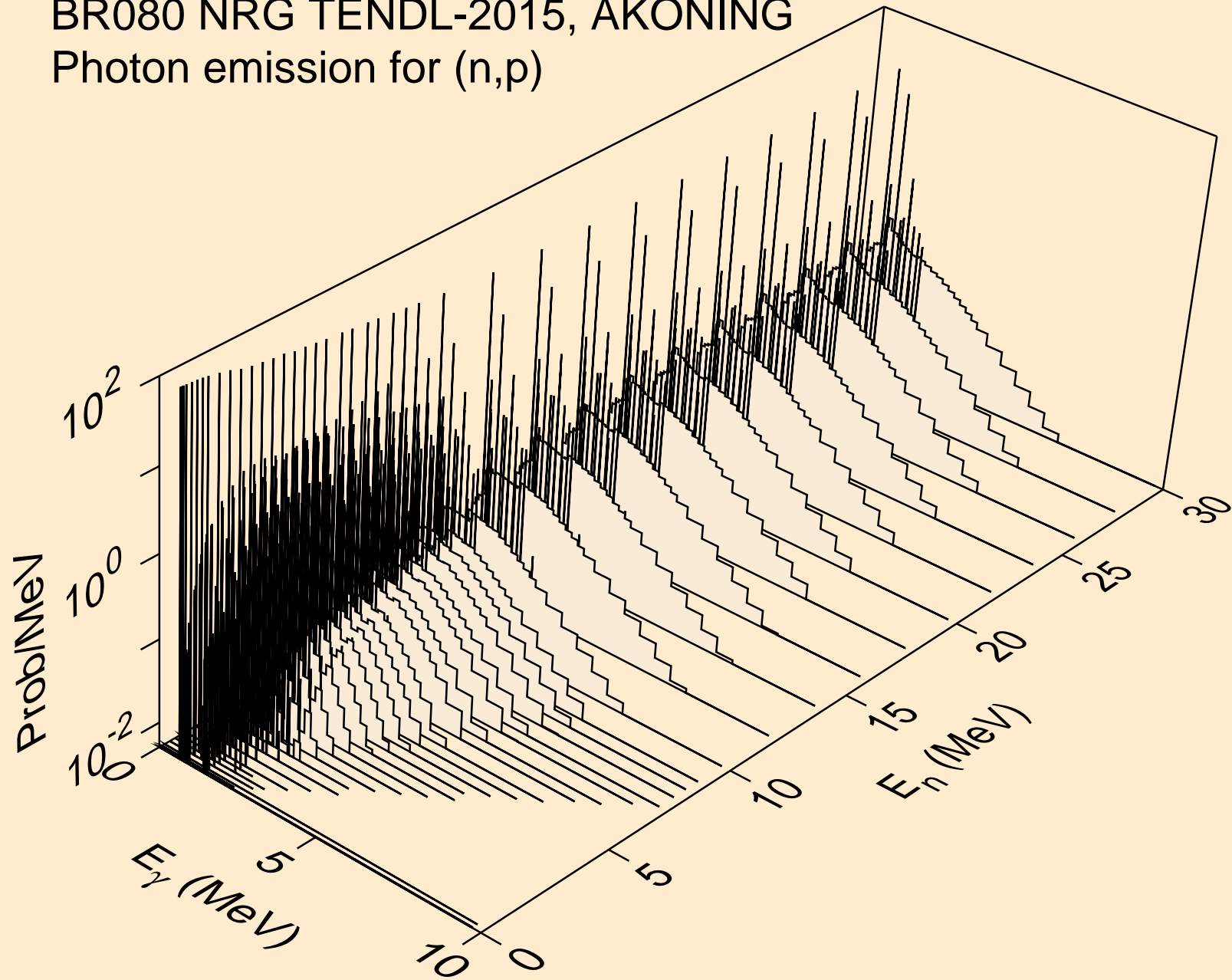
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



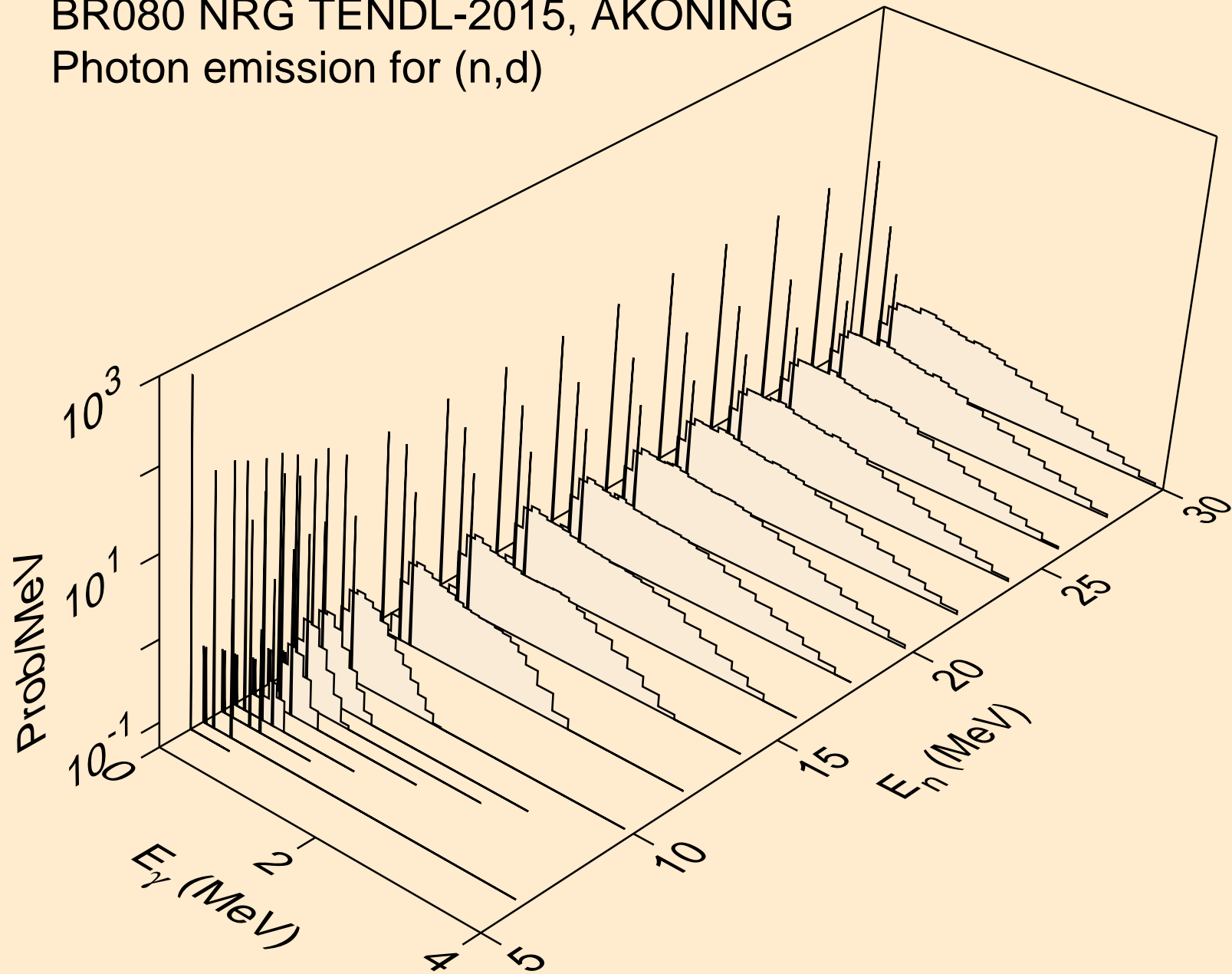
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



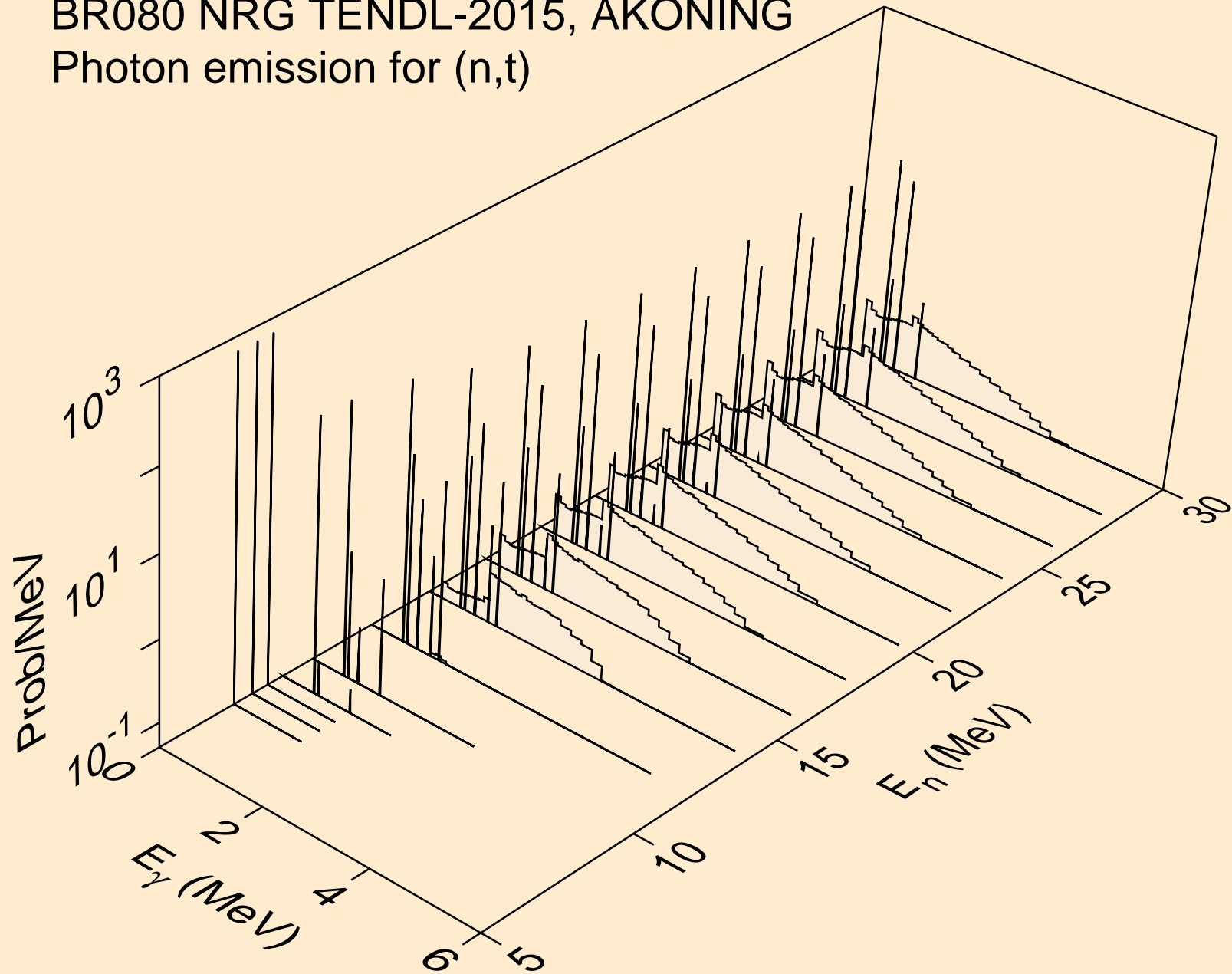
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



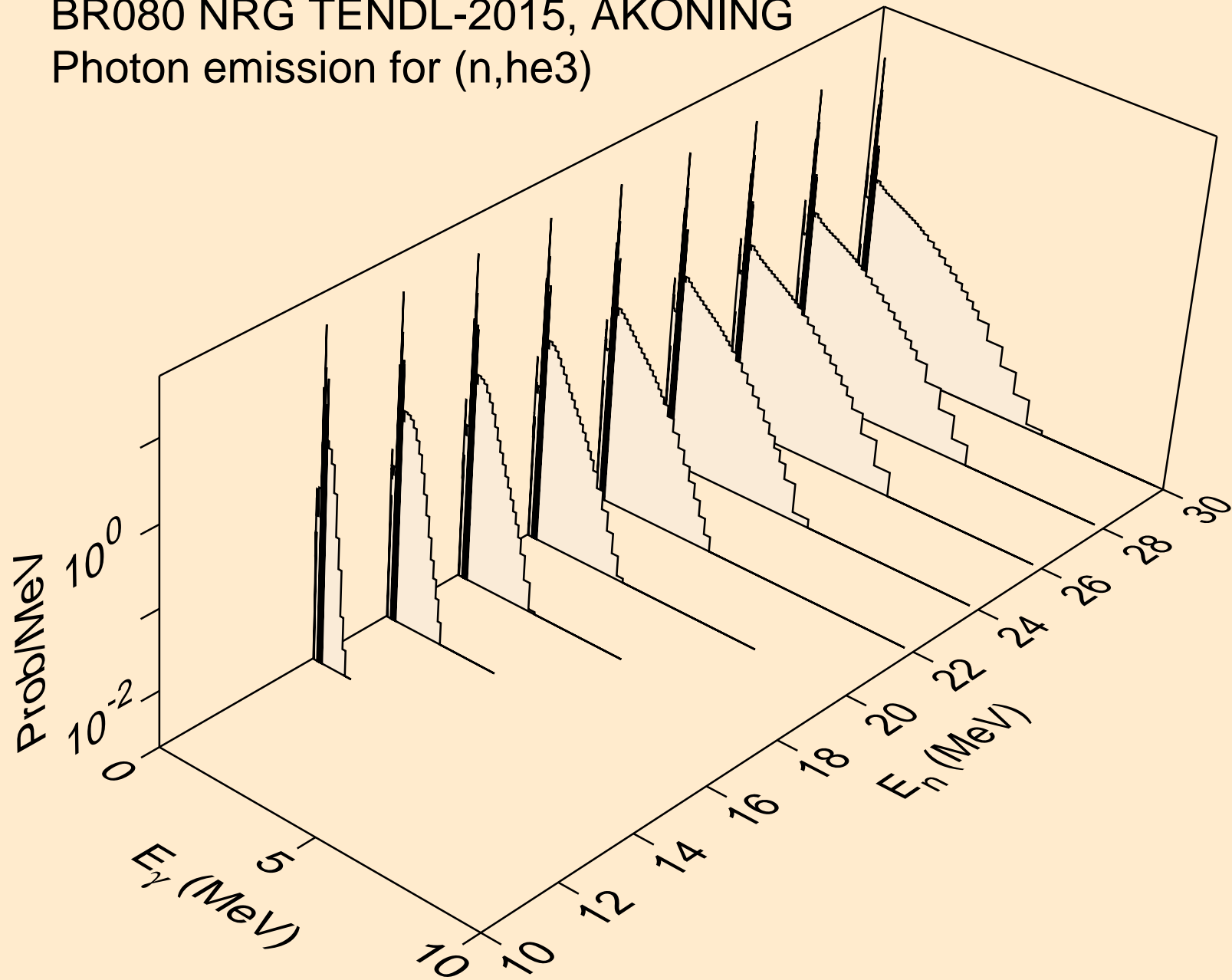
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



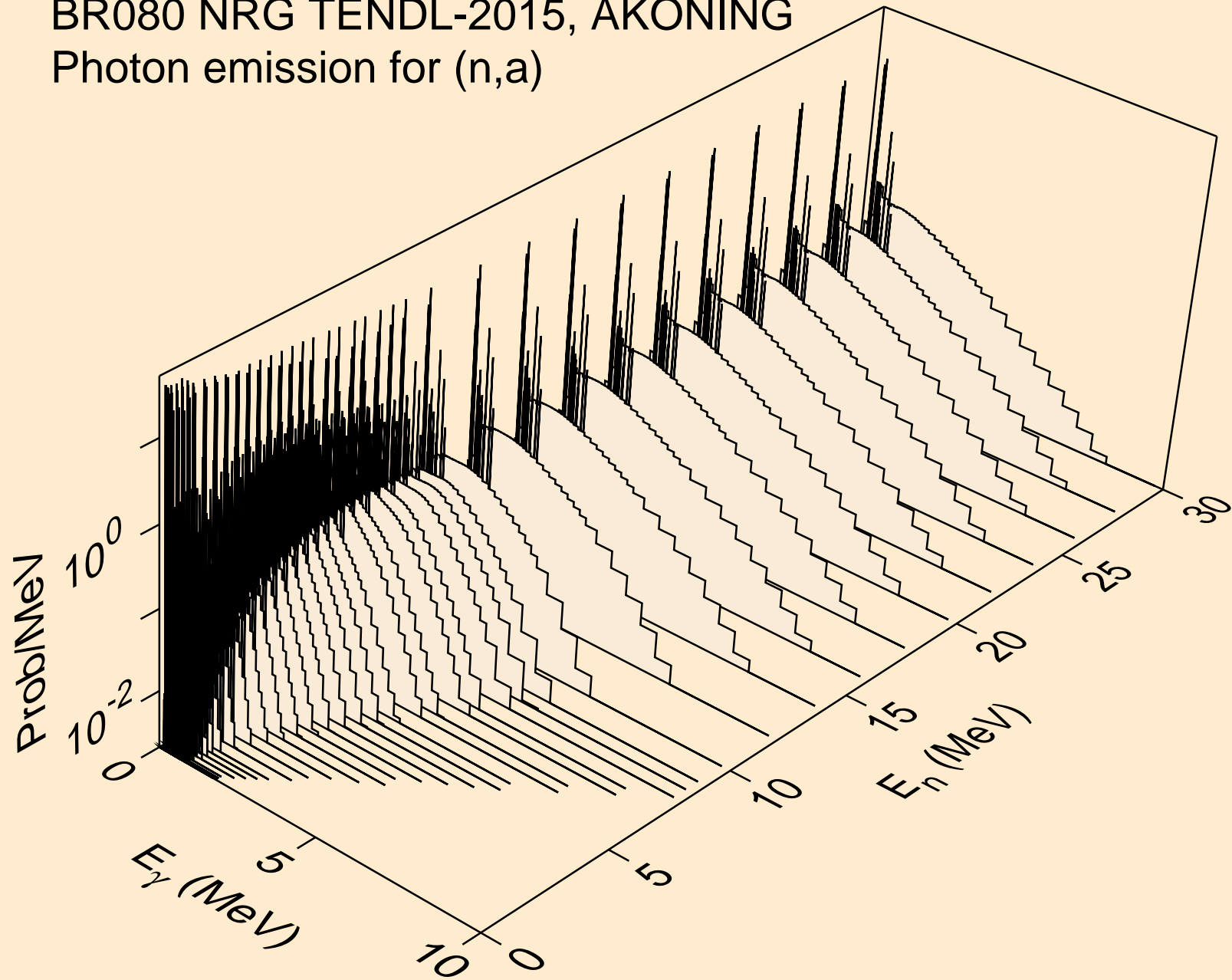
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

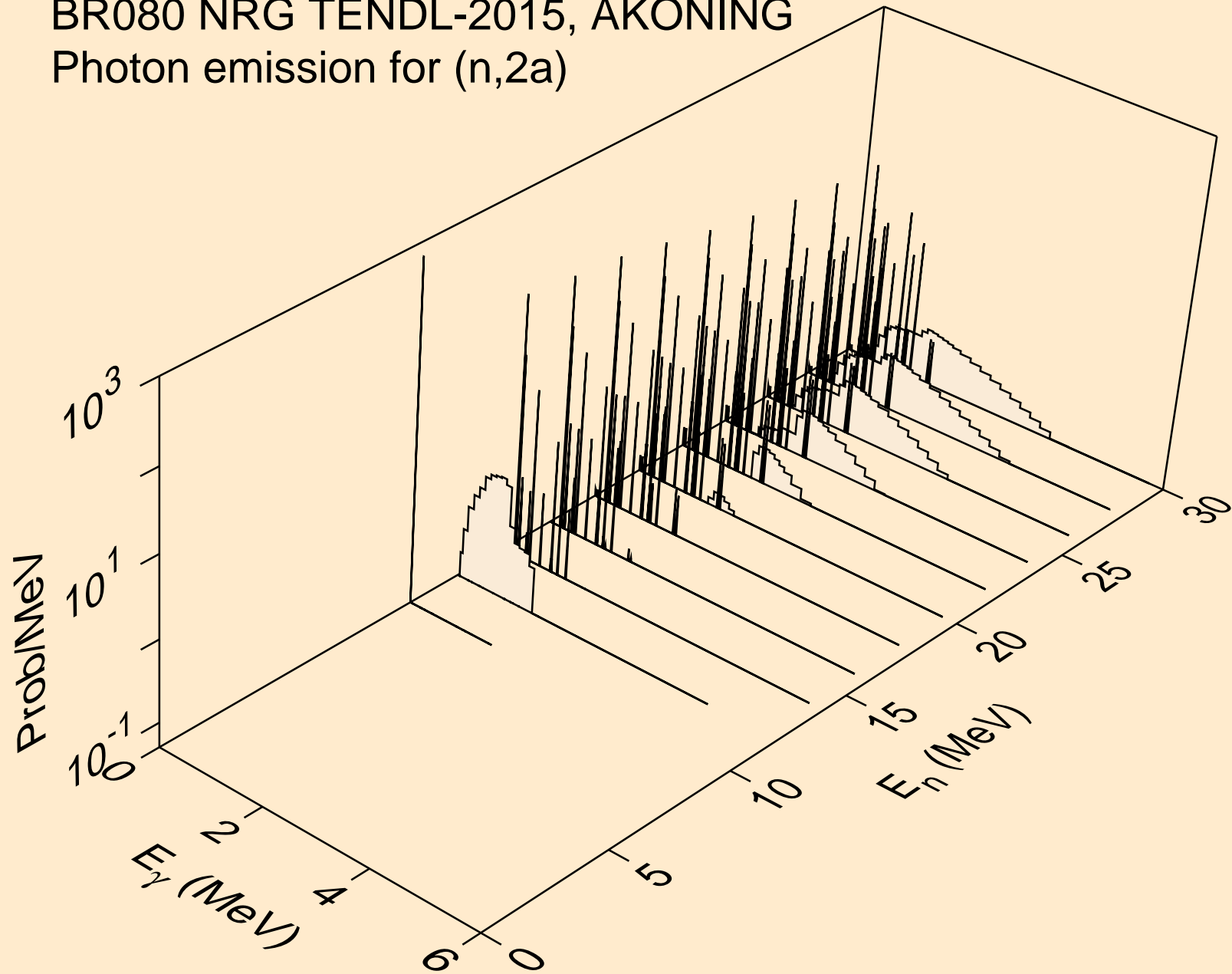


BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

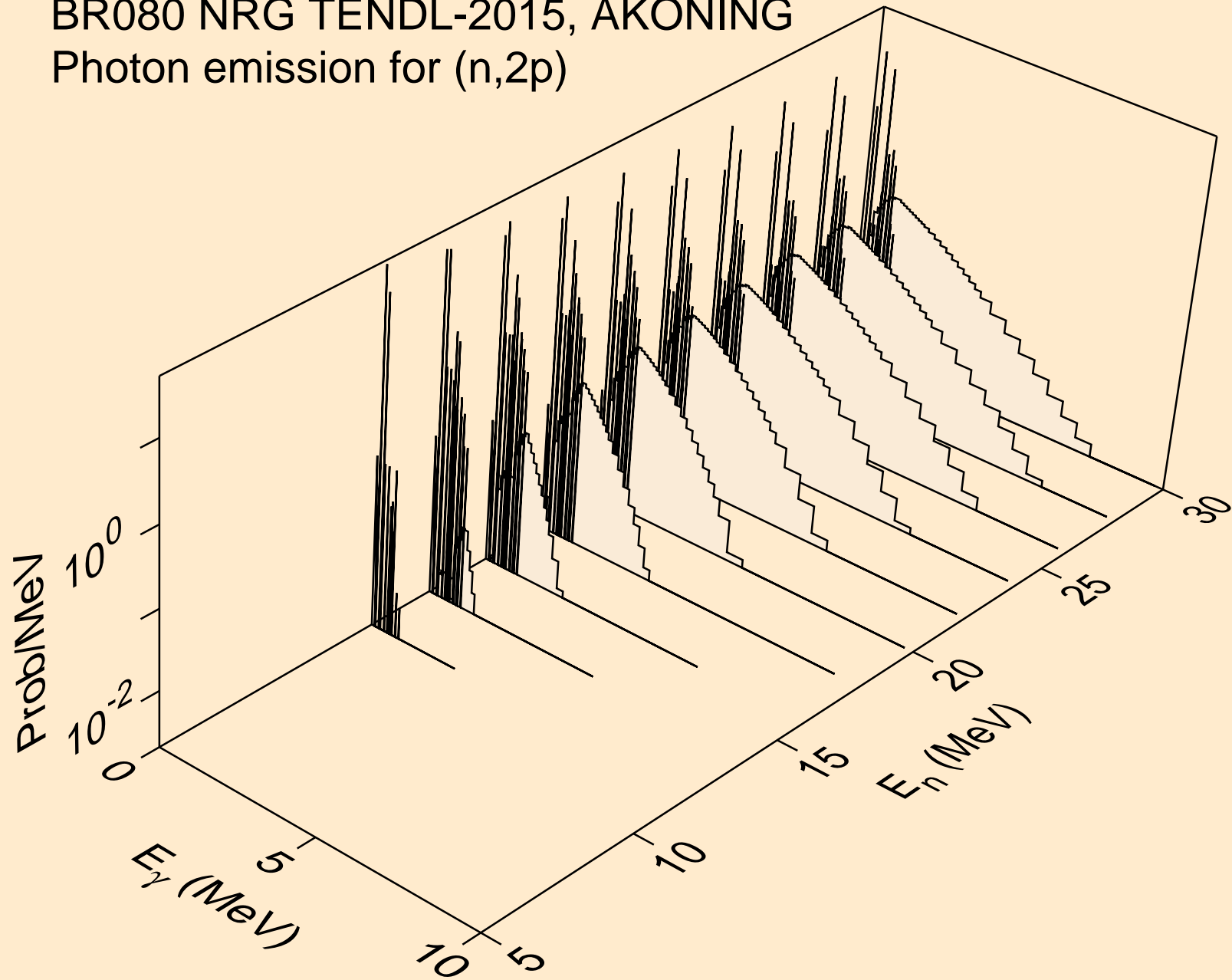




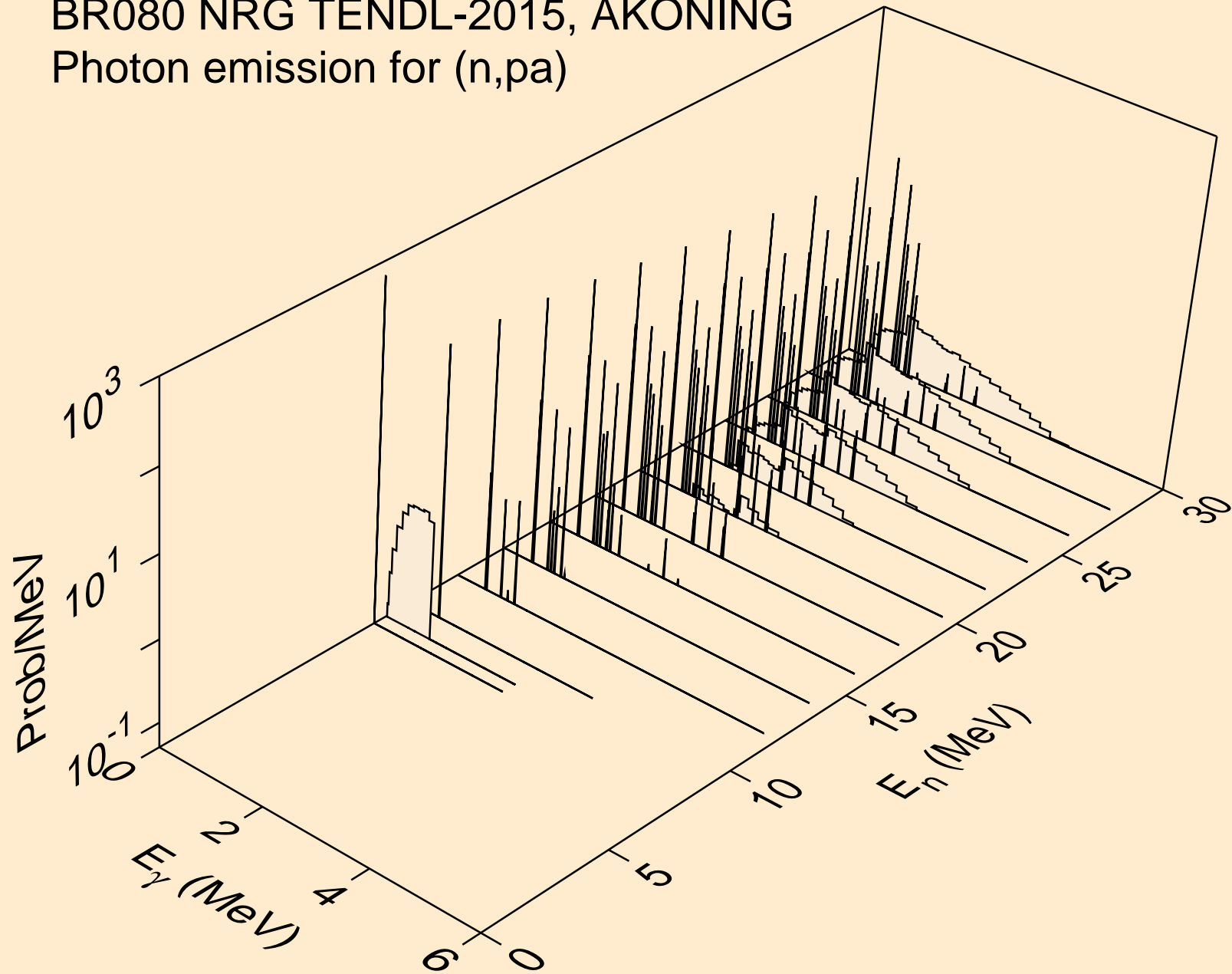
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



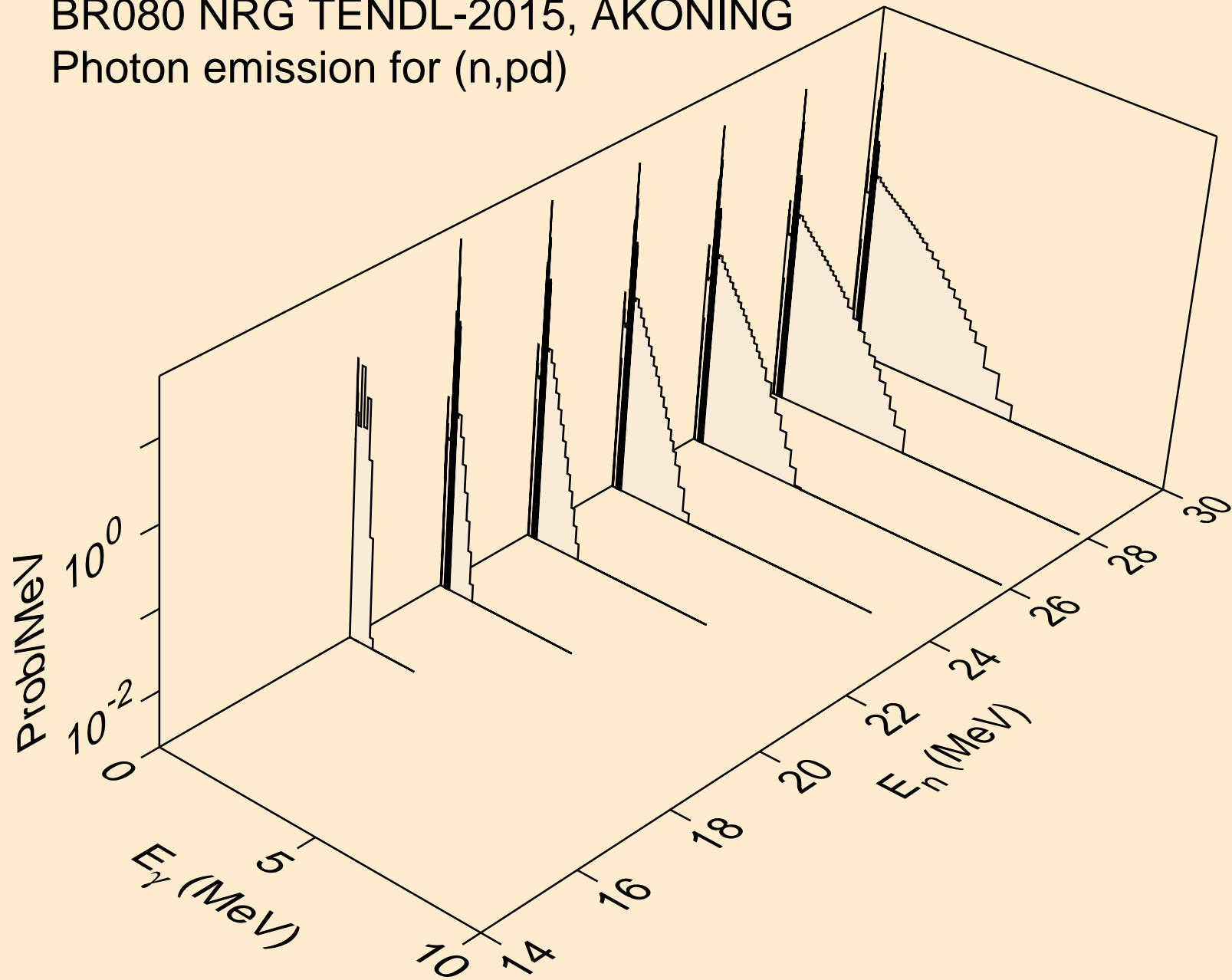
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



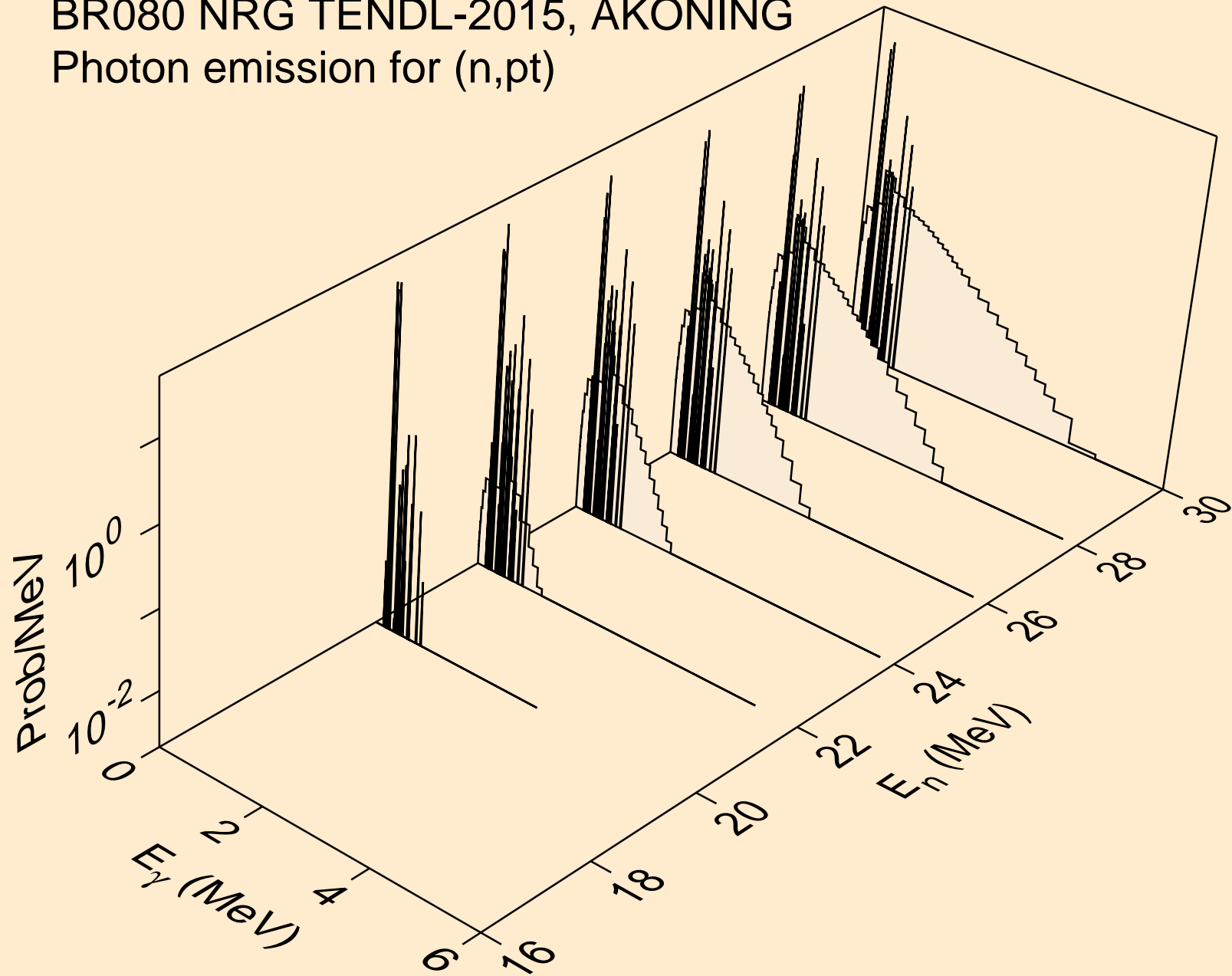
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



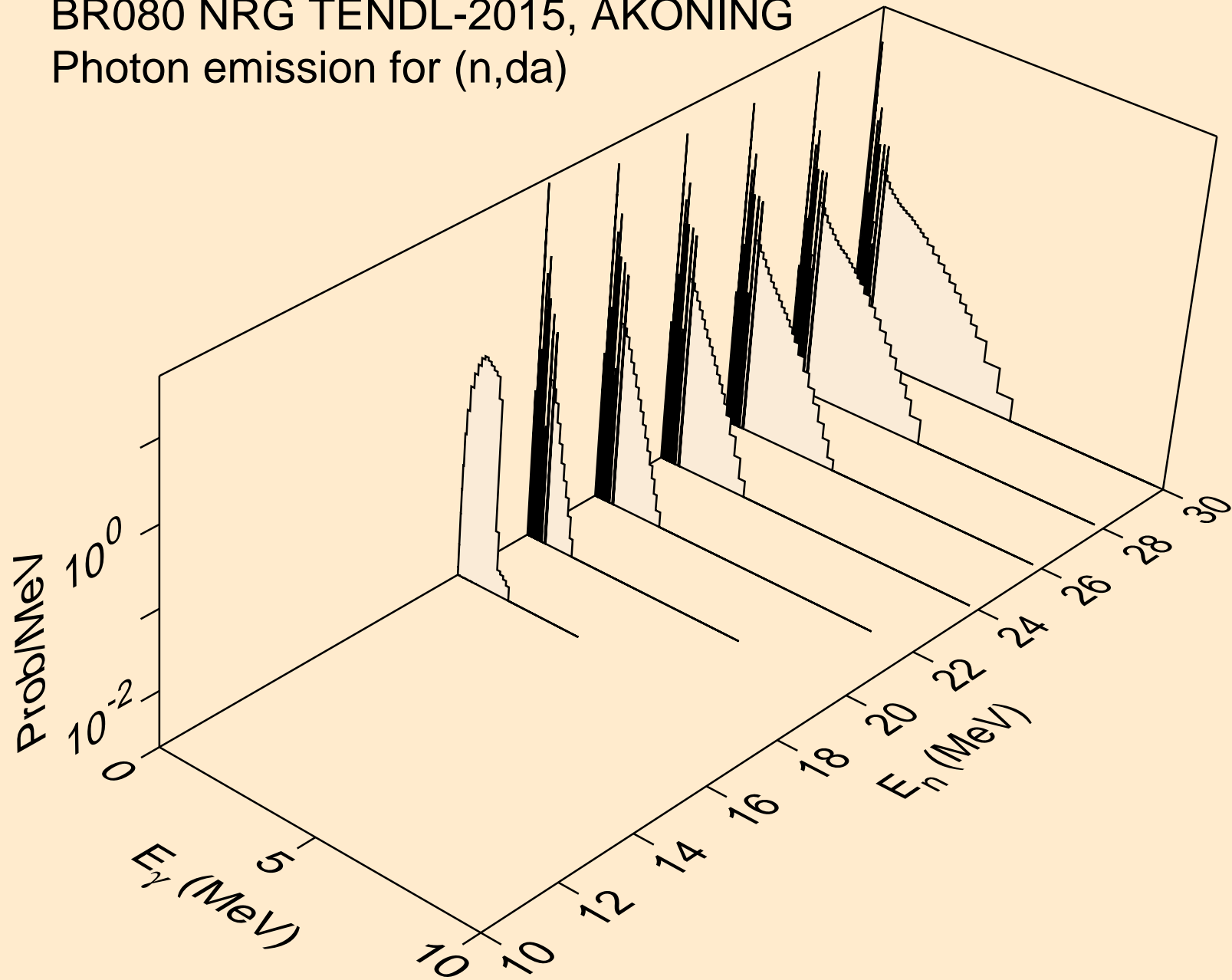
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



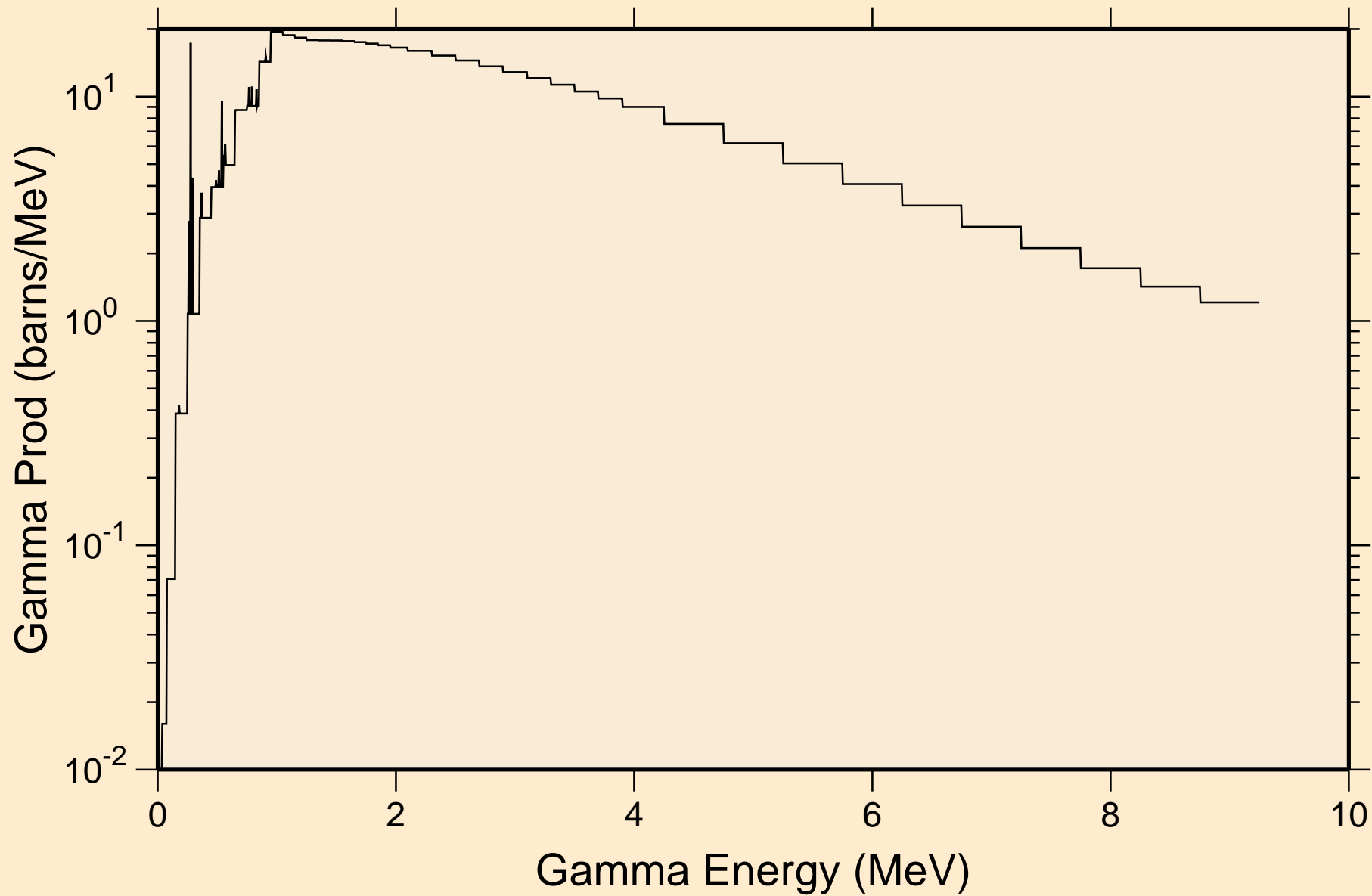
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



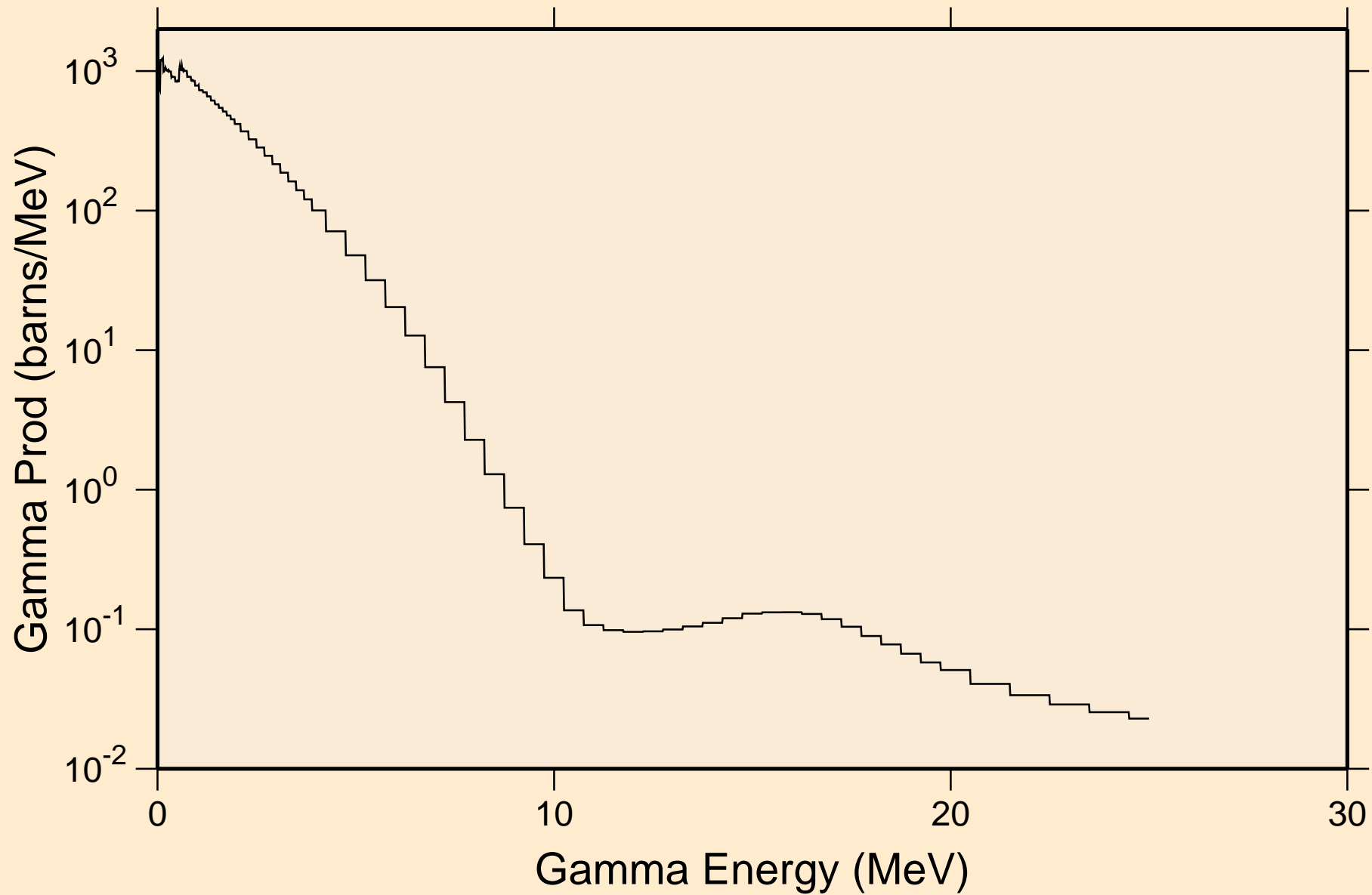
BR080 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



BR080 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



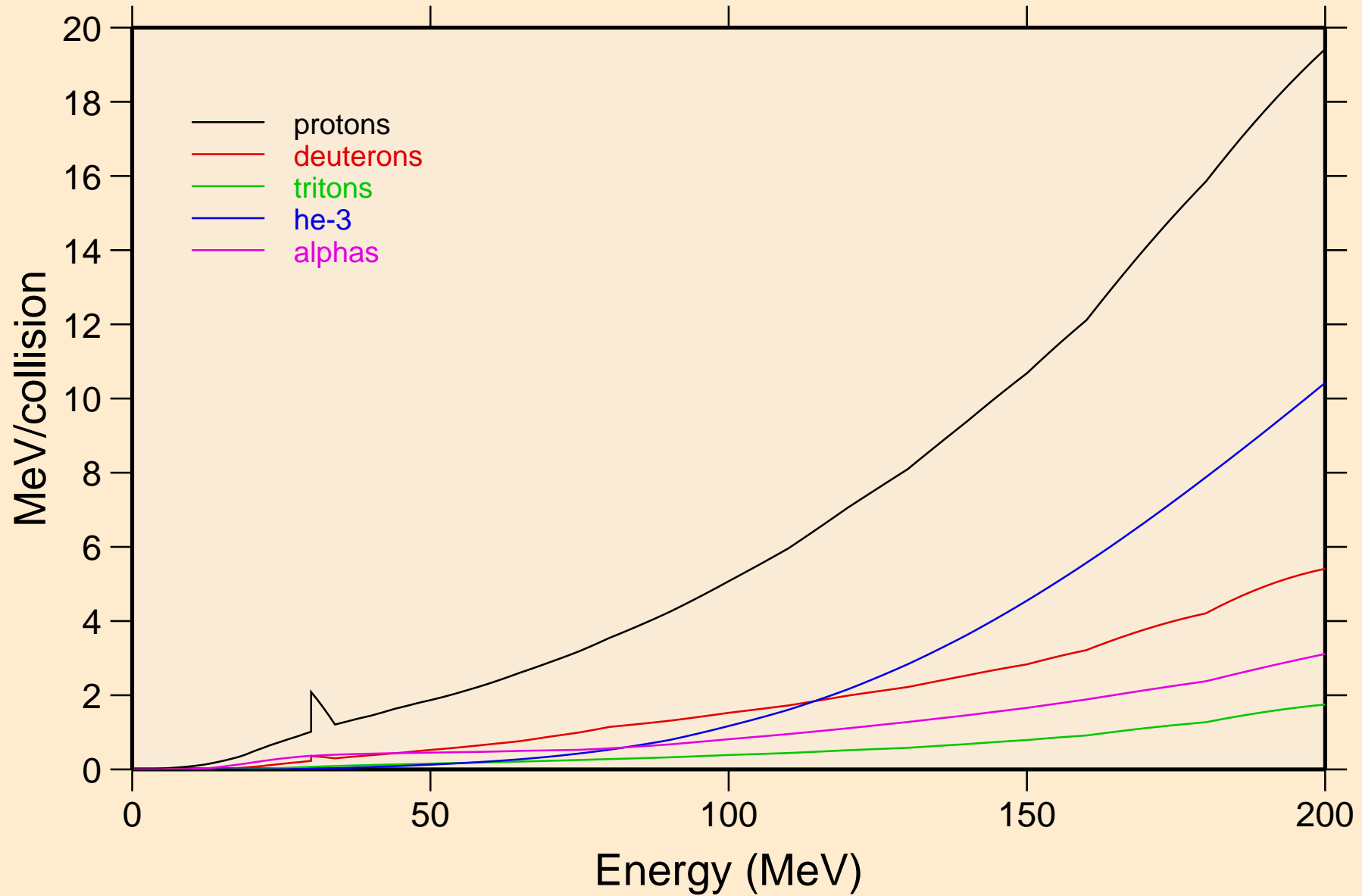
BR080 NRG TENDL-2015, AKONING  
14 MeV photon spectrum





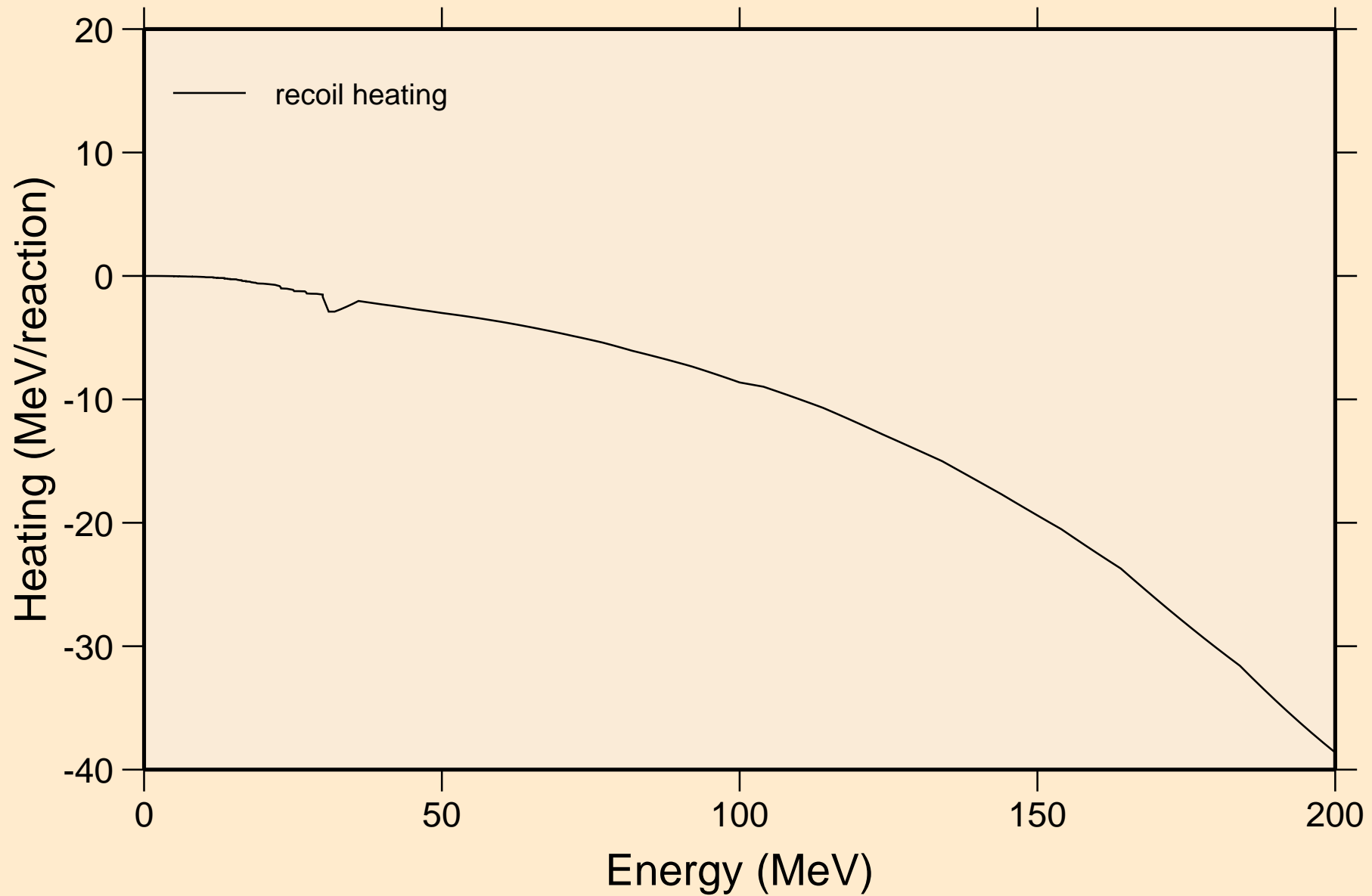
# BR080 NRG TENDL-2015, AKONING

## Particle heating contributions



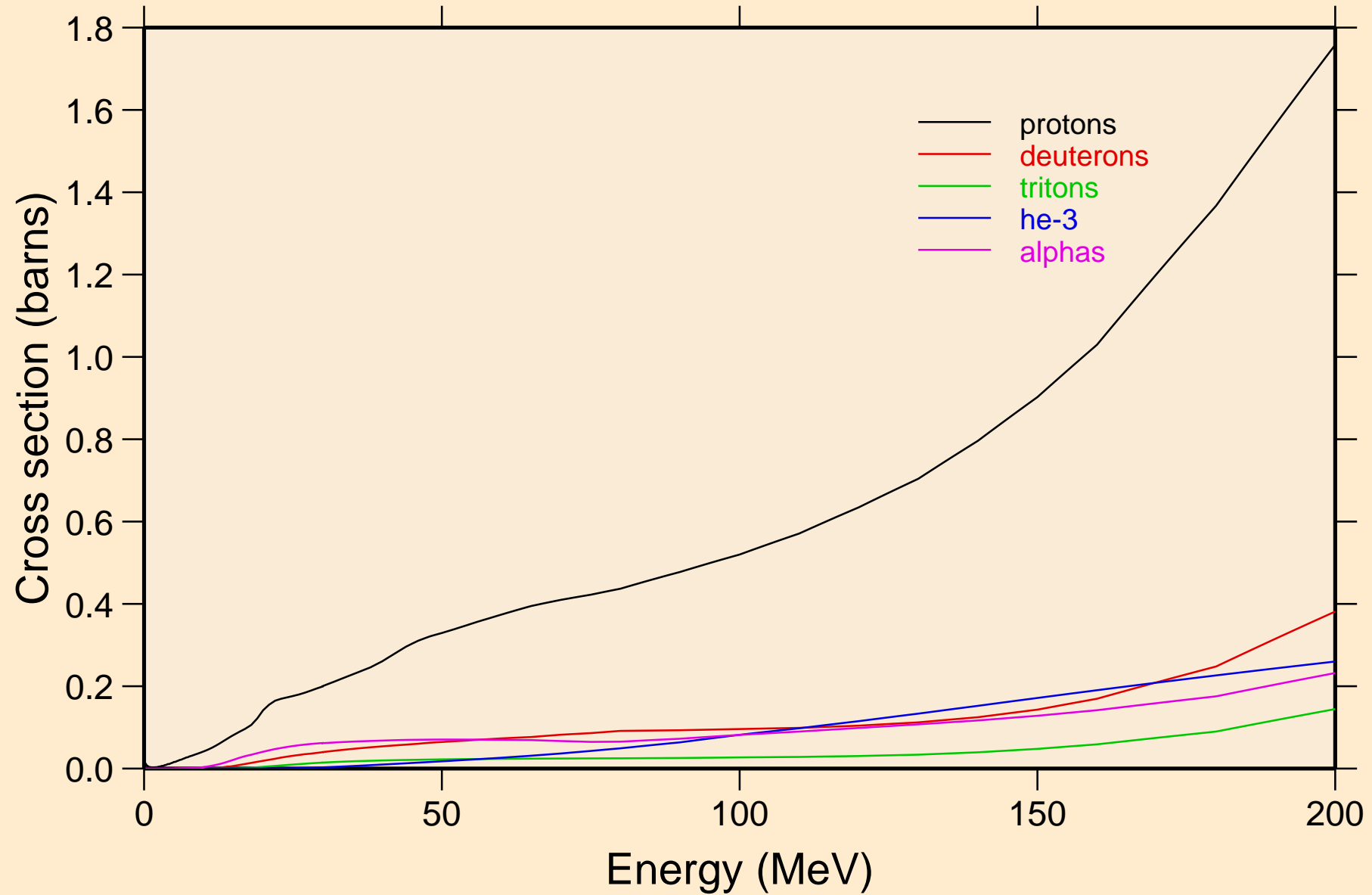
# BR080 NRG TENDL-2015, AKONING

## Recoil Heating

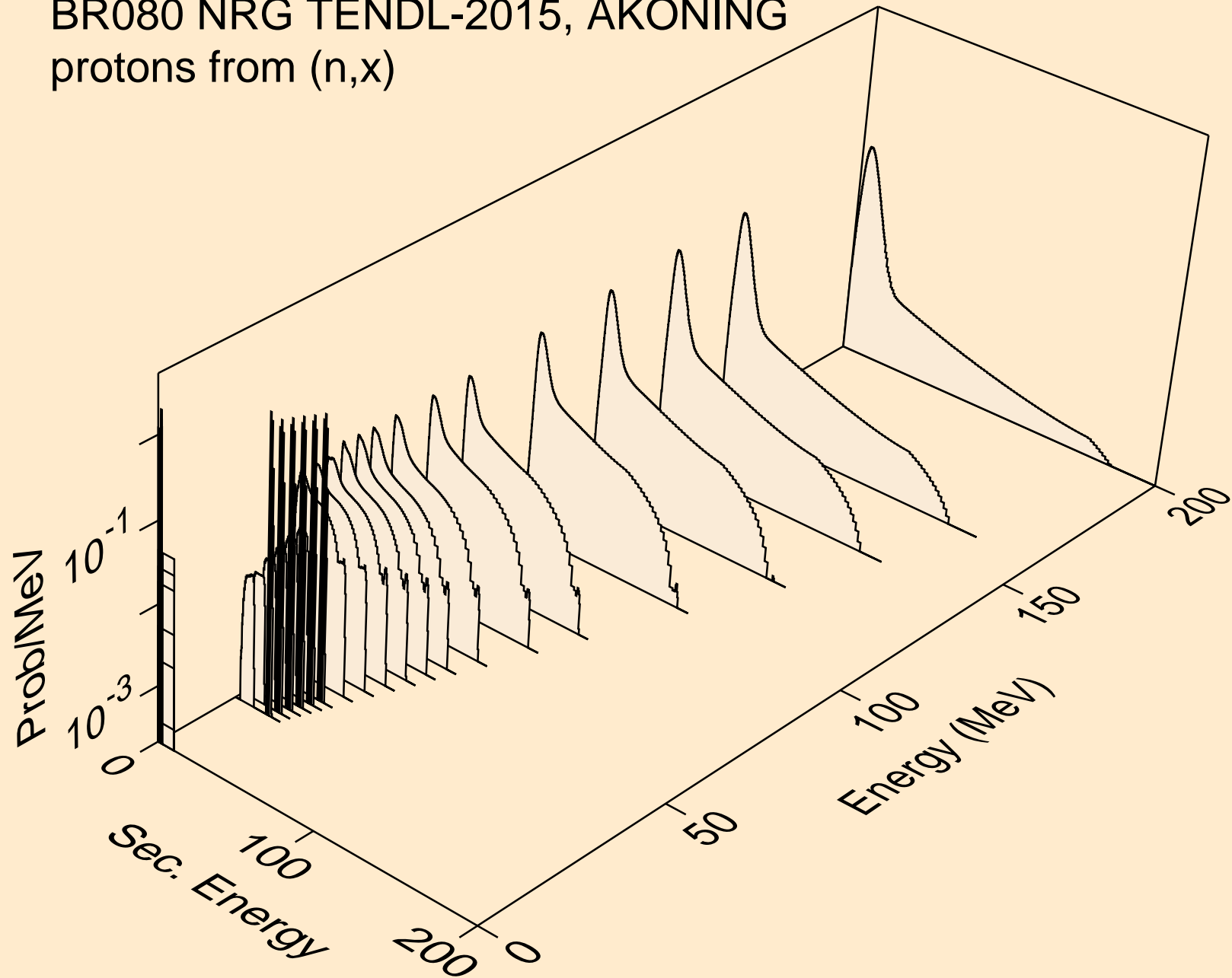


# BR080 NRG TENDL-2015, AKONING

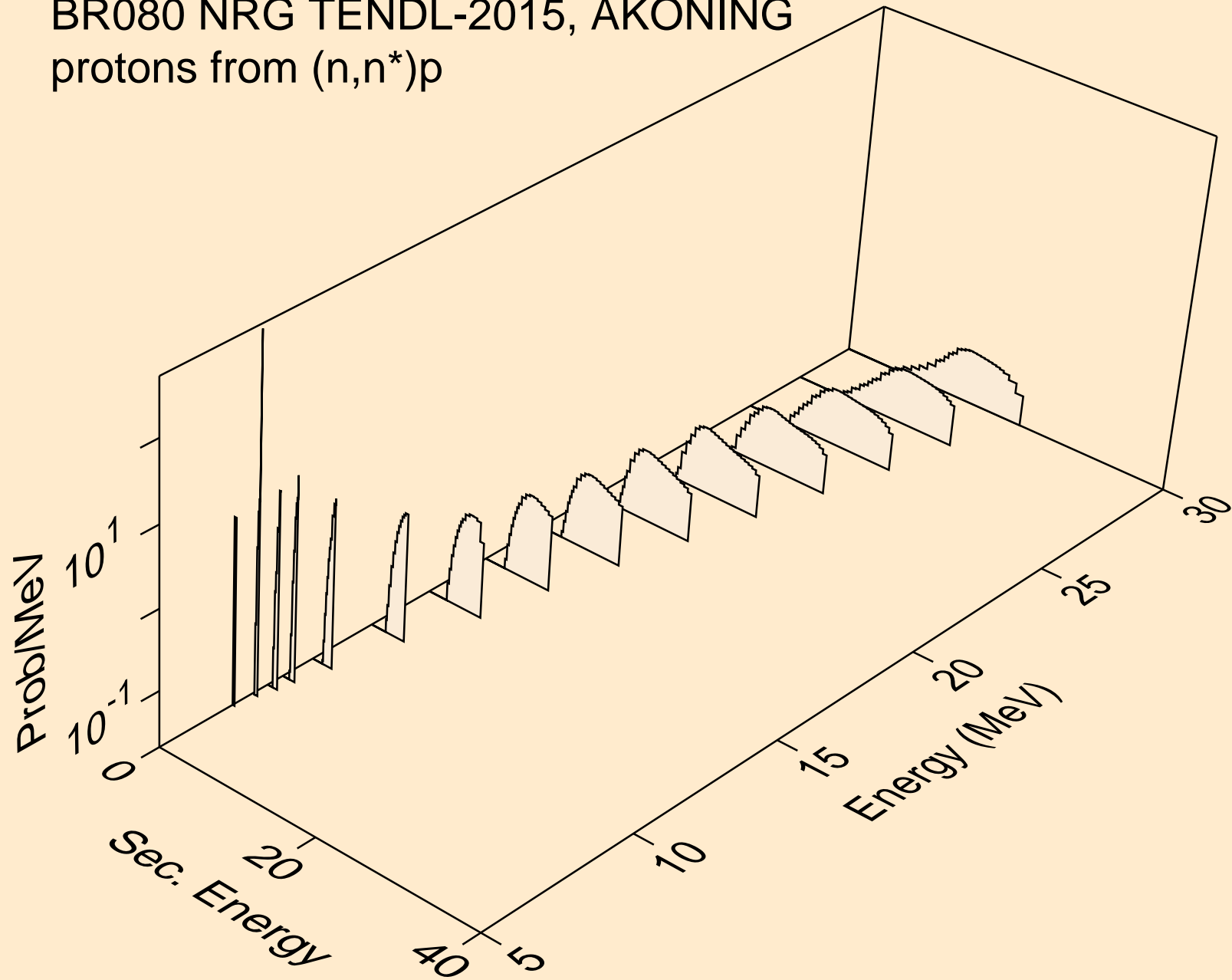
## Particle production cross sections



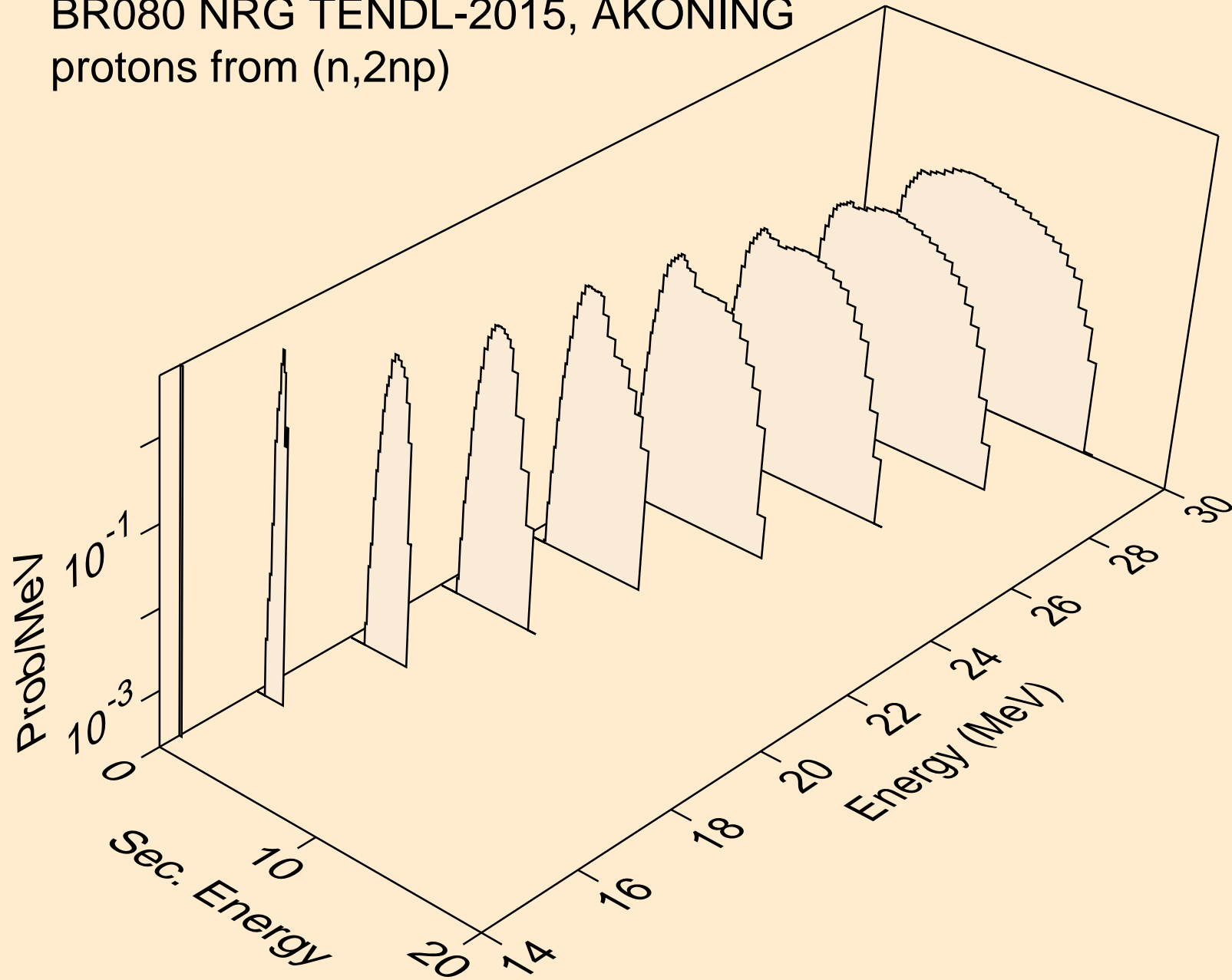
BR080 NRG TENDL-2015, AKONING  
protons from (n,x)



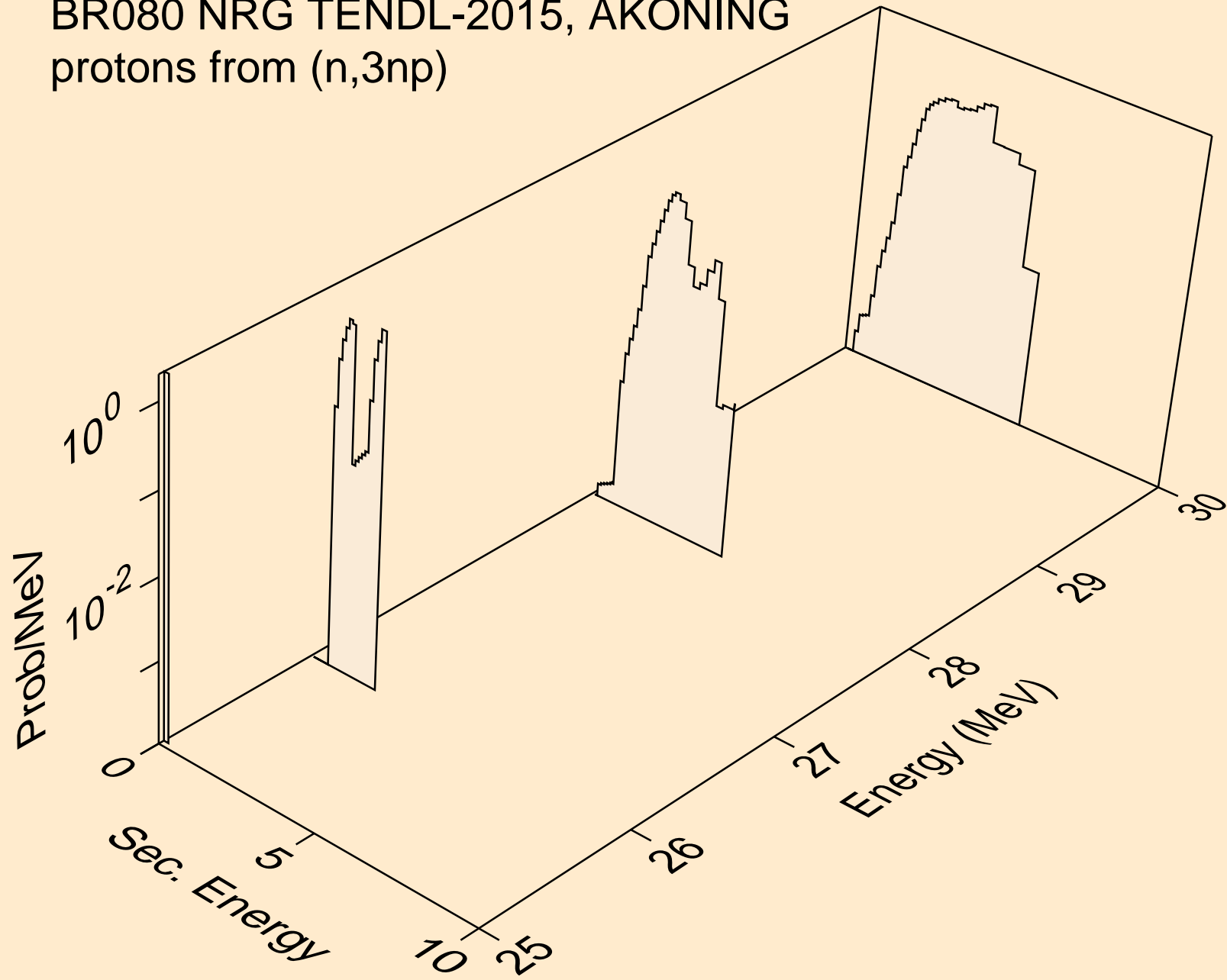
BR080 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



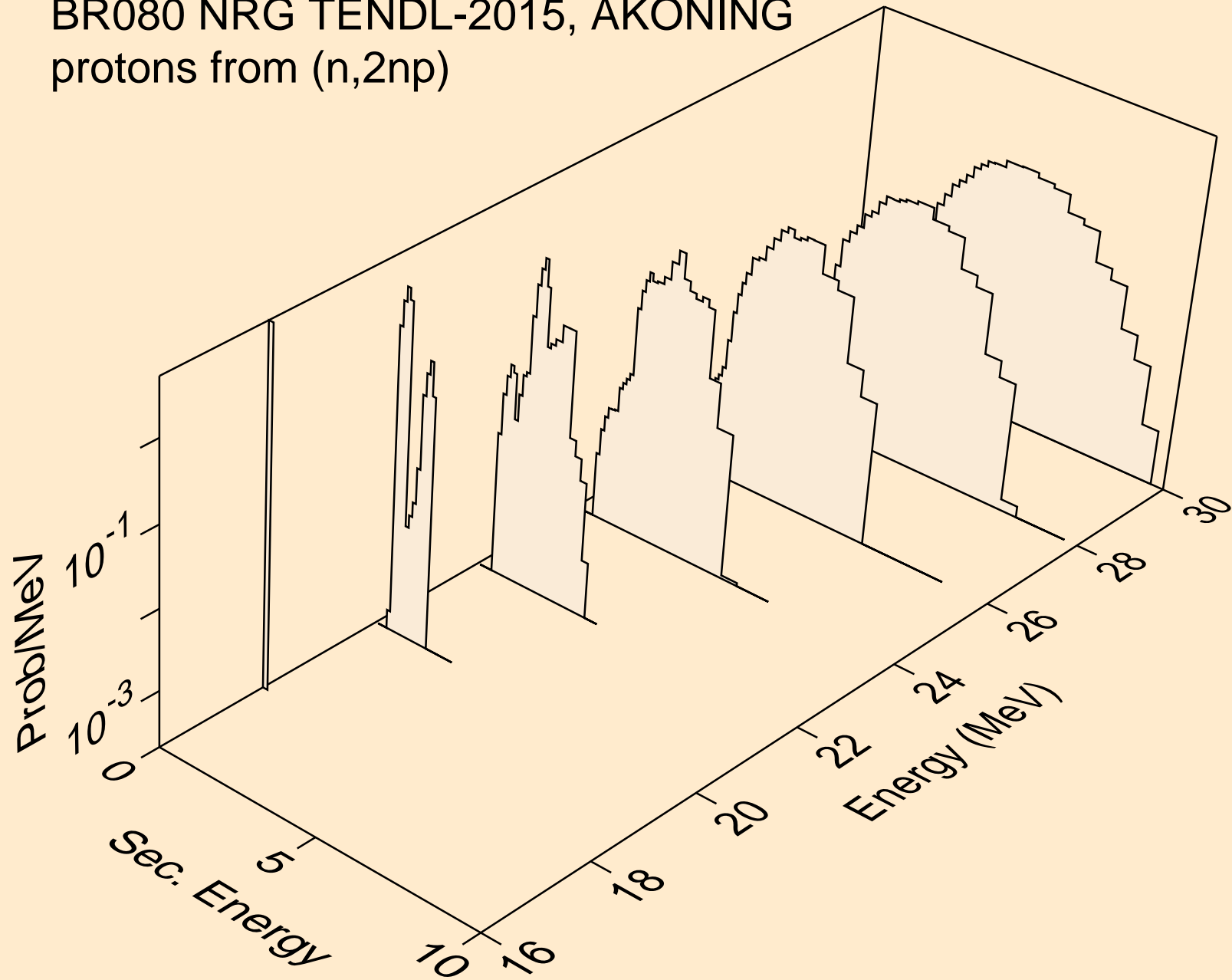
BR080 NRG TENDL-2015, AKONING  
protons from (n,2np)



BR080 NRG TENDL-2015, AKONING  
protons from (n,3np)

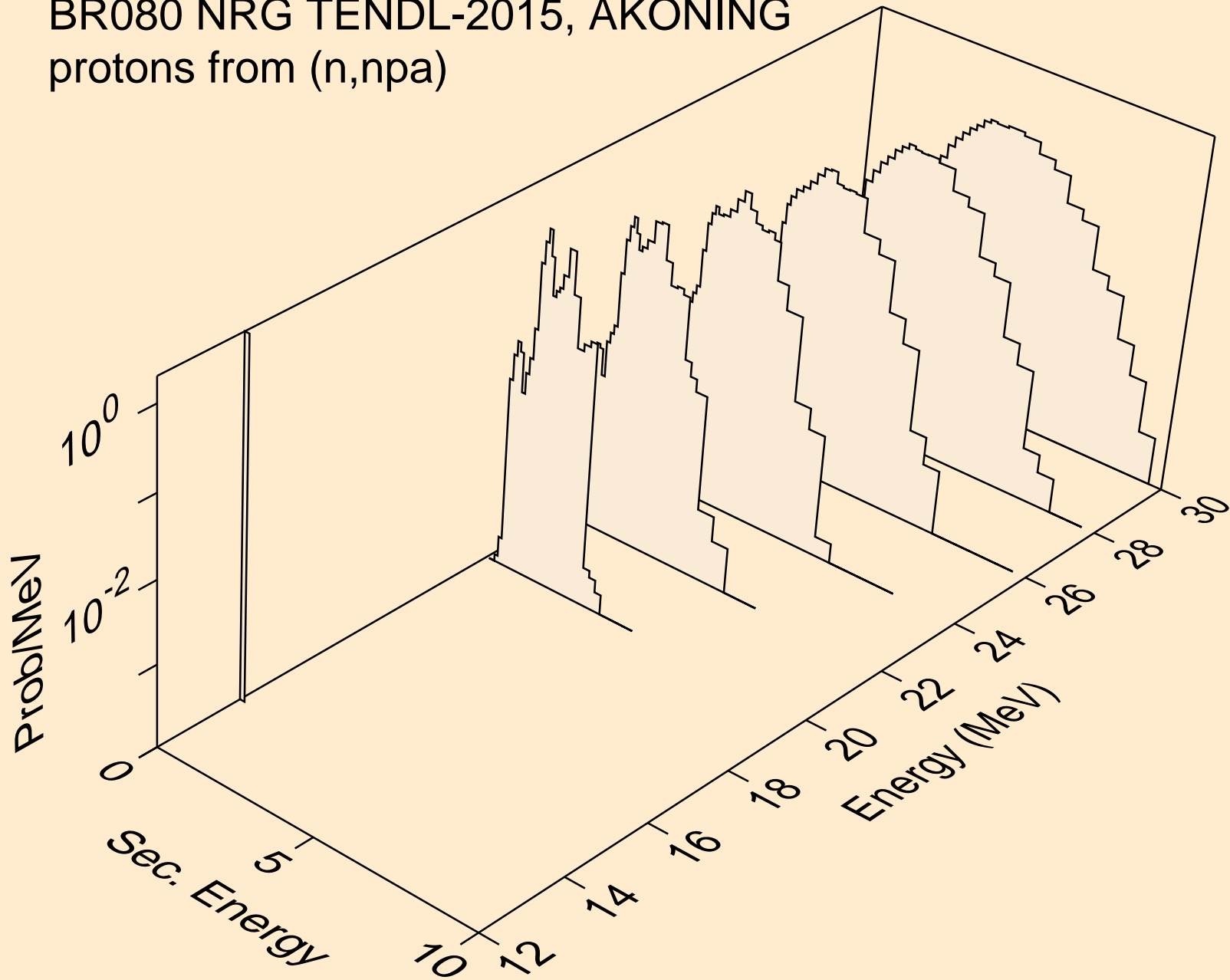


BR080 NRG TENDL-2015, AKONING  
protons from (n,2np)

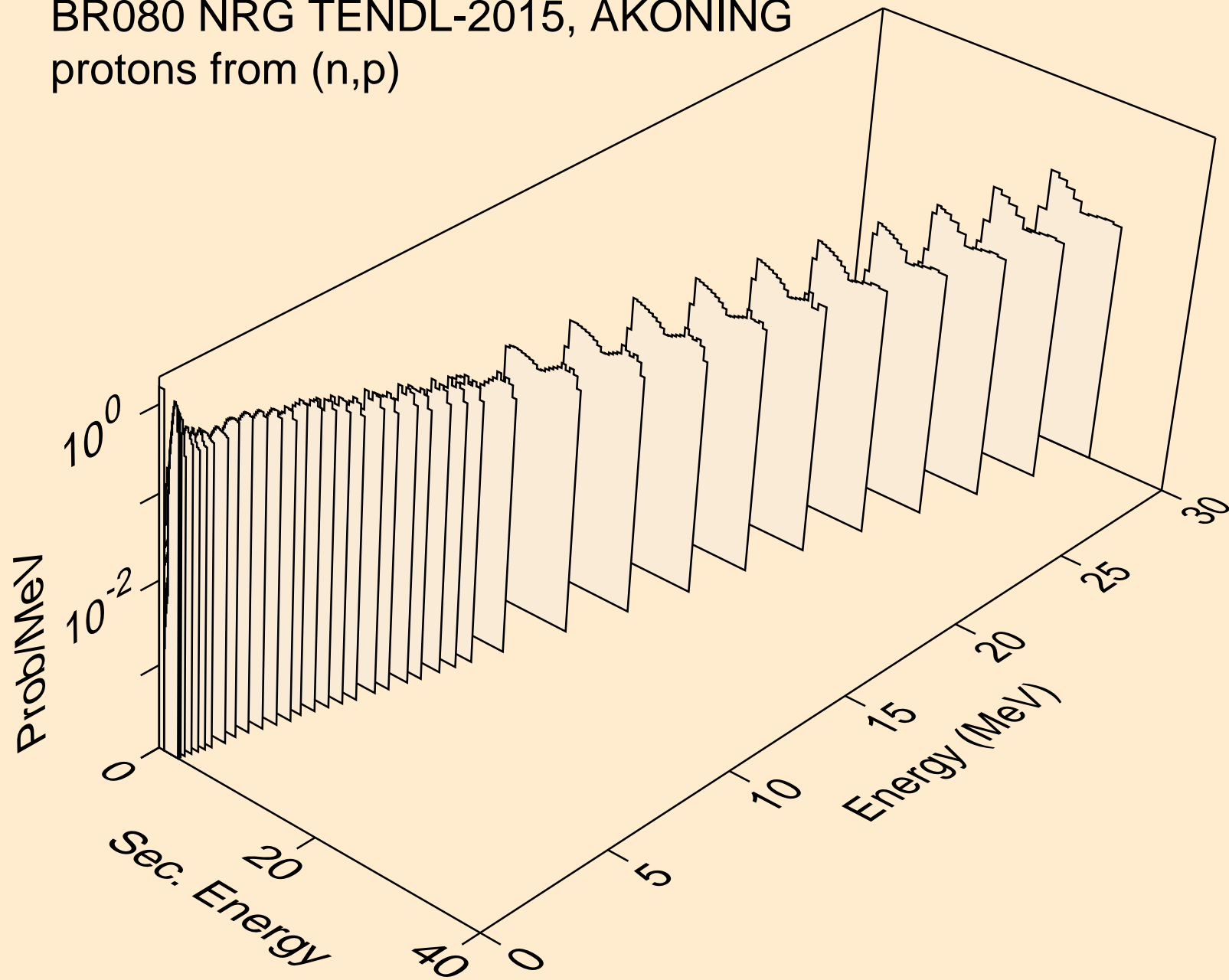




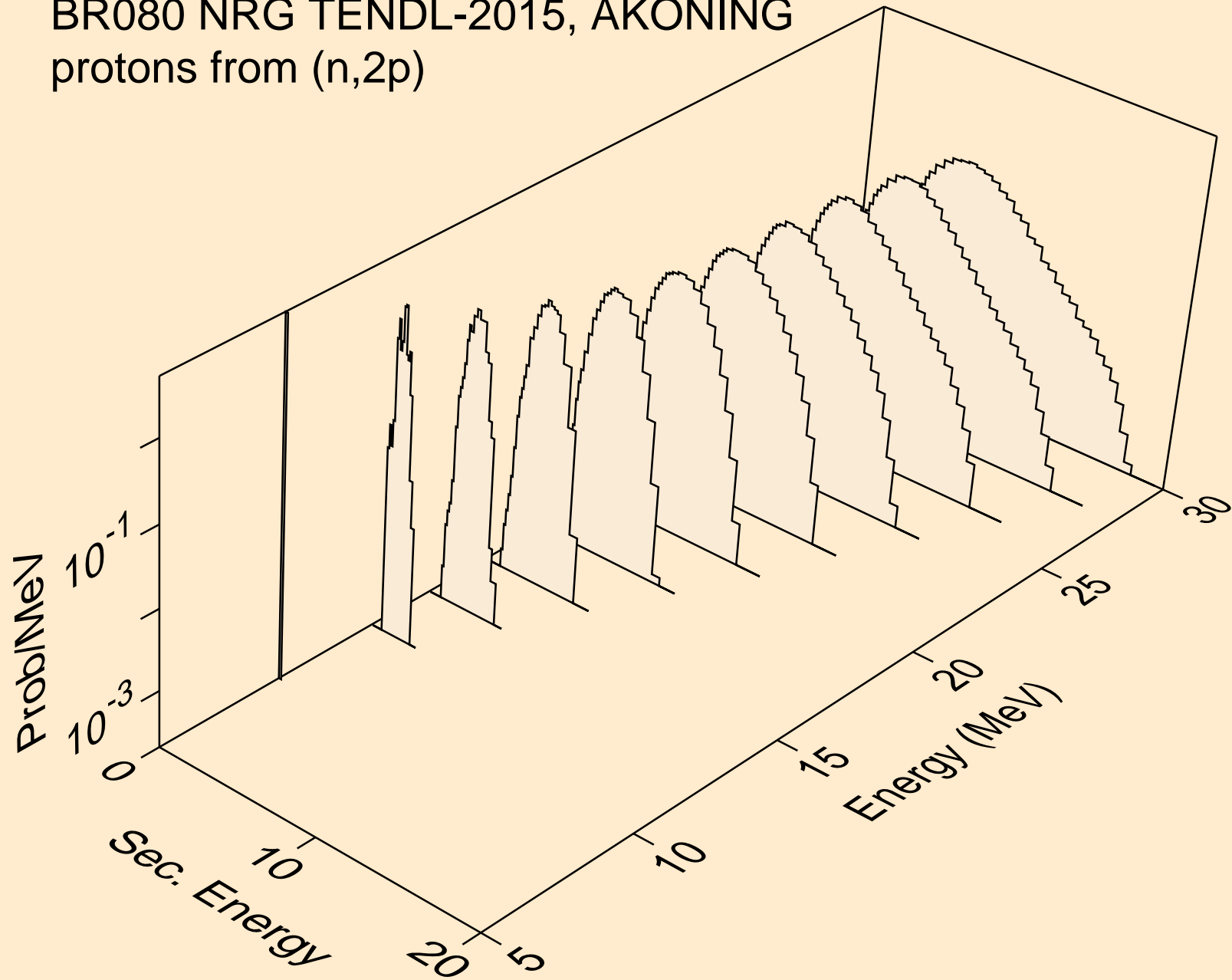
BR080 NRG TENDL-2015, AKONING  
protons from (n,npa)



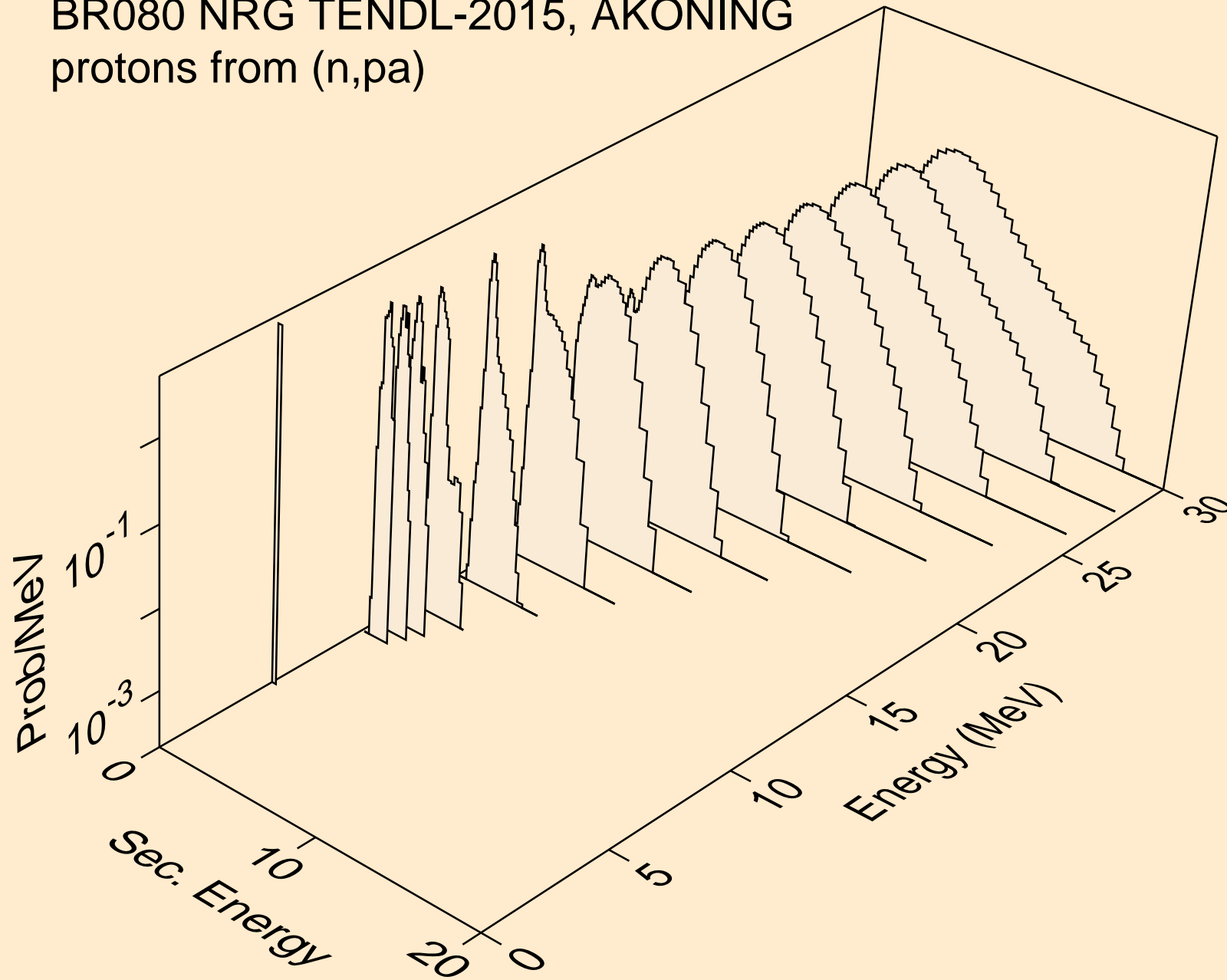
BR080 NRG TENDL-2015, AKONING  
protons from (n,p)



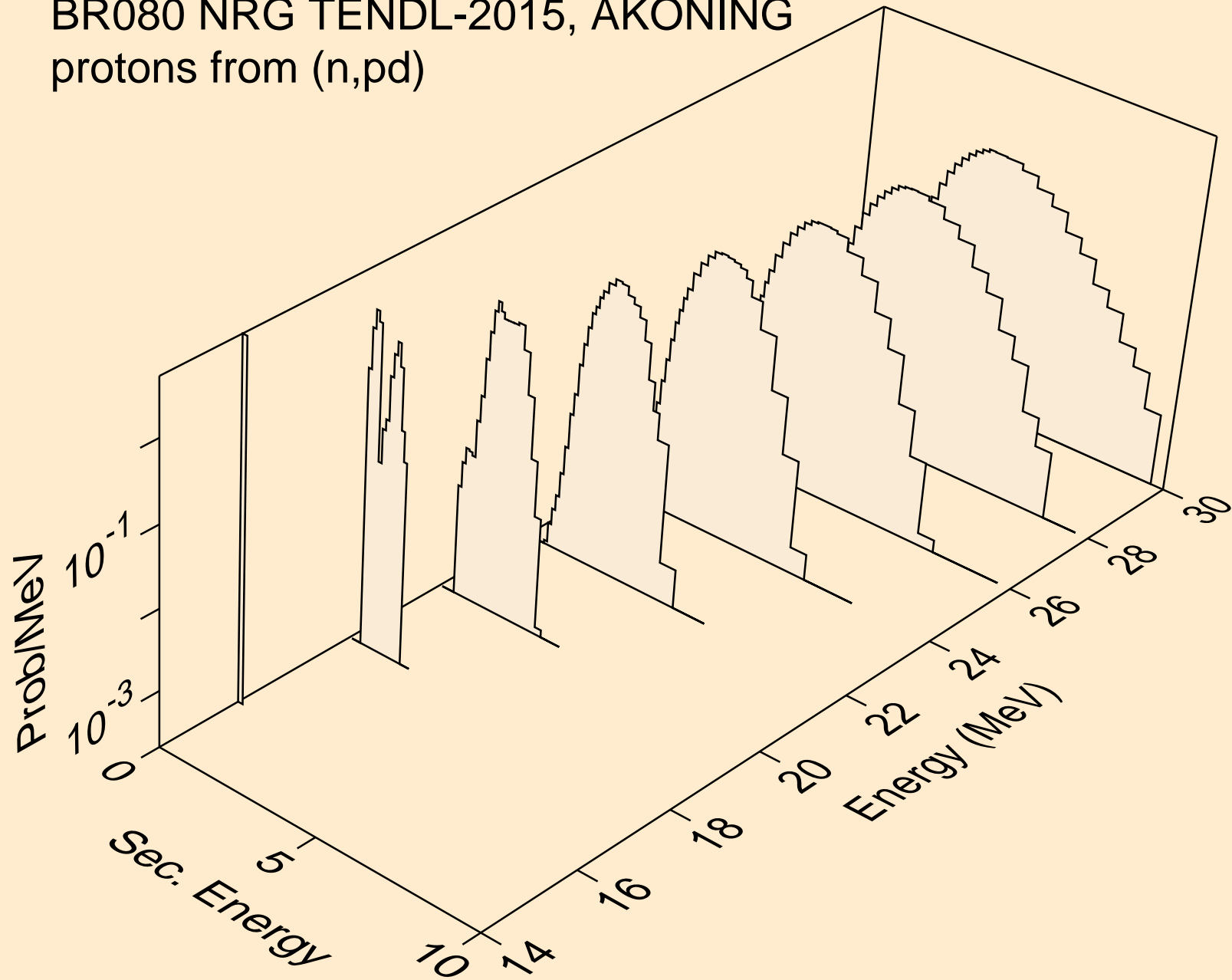
BR080 NRG TENDL-2015, AKONING  
protons from (n,2p)



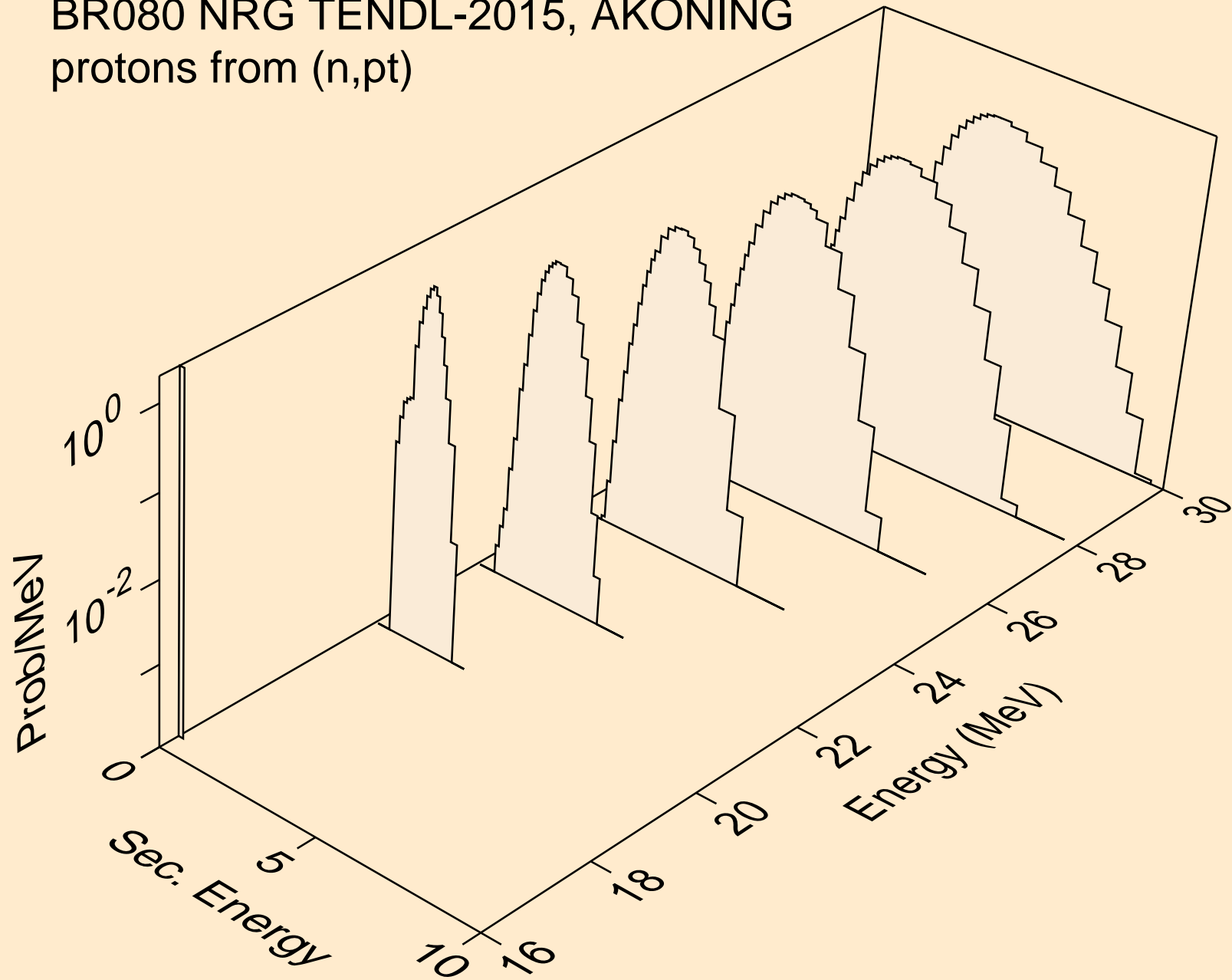
BR080 NRG TENDL-2015, AKONING  
protons from (n,pa)



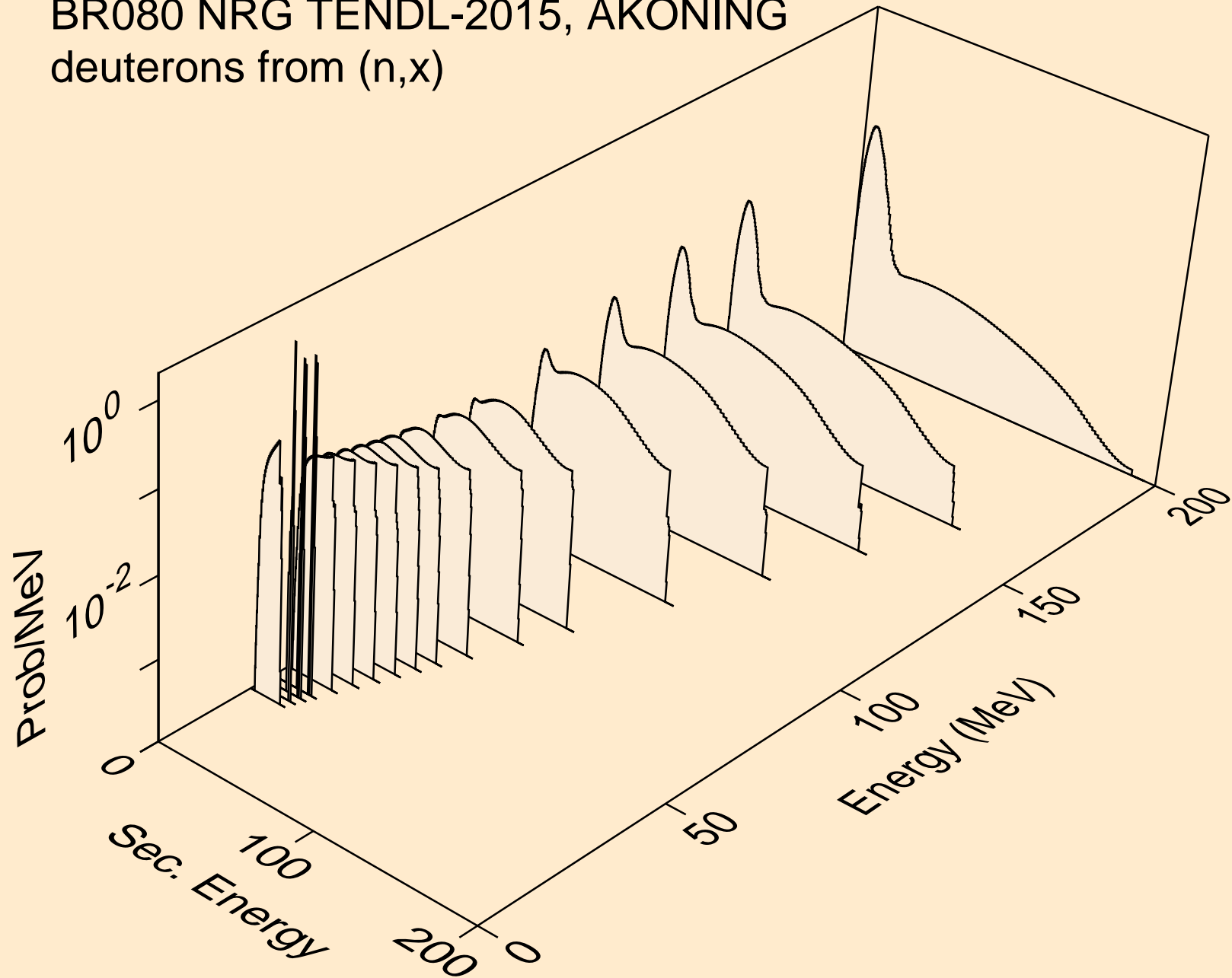
BR080 NRG TENDL-2015, AKONING  
protons from (n,pd)



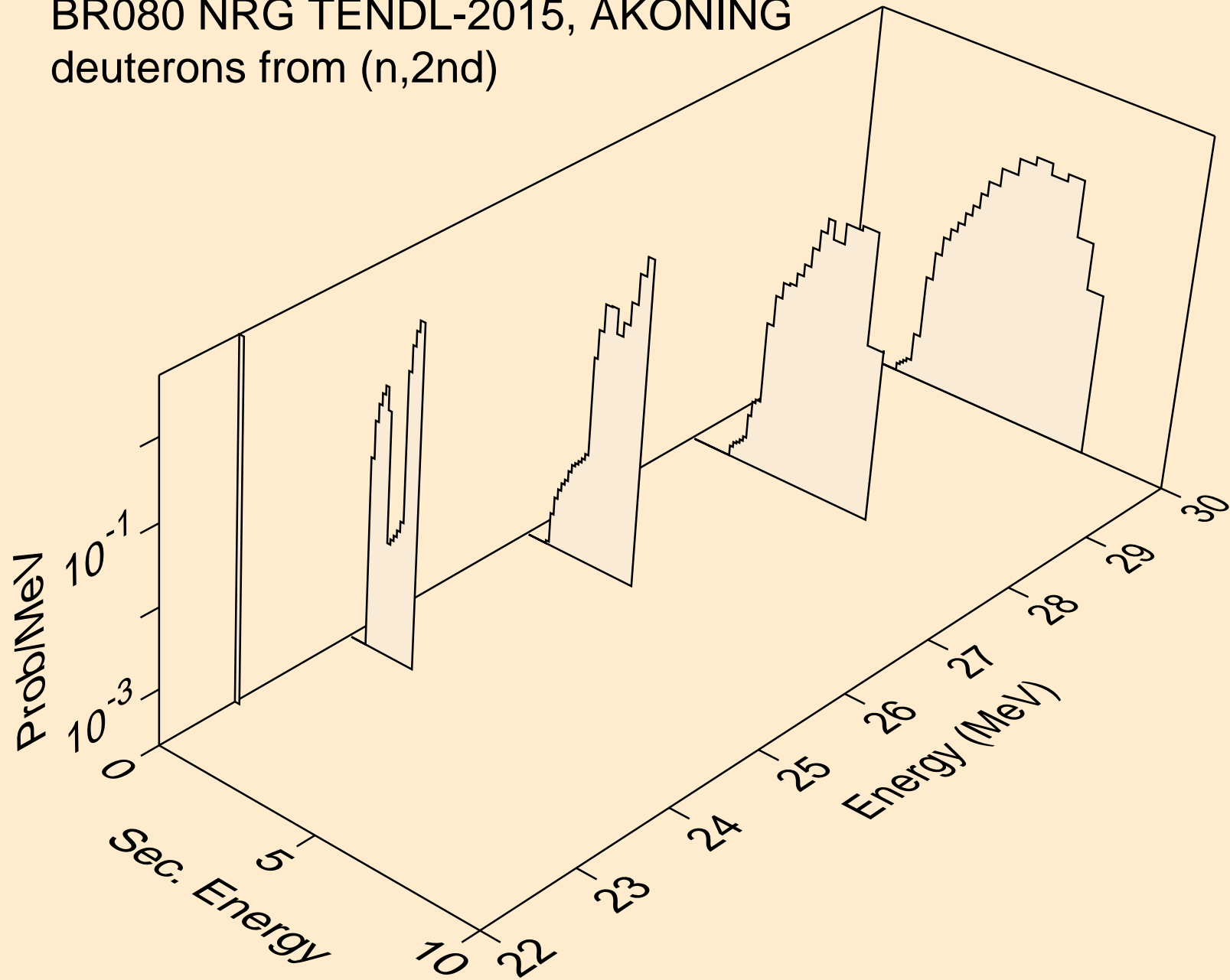
BR080 NRG TENDL-2015, AKONING  
protons from (n,pt)



BR080 NRG TENDL-2015, AKONING  
deuterons from (n,x)

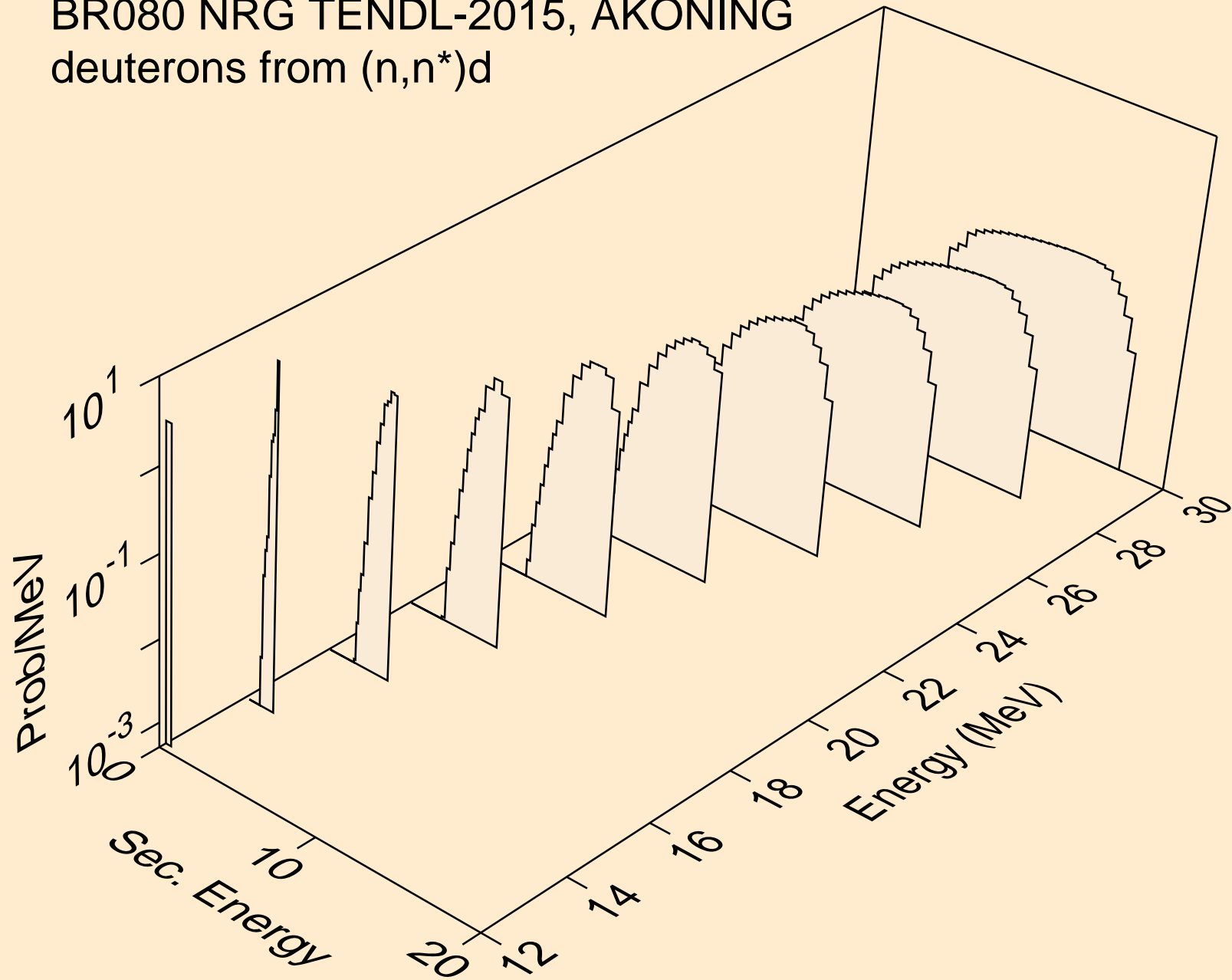


BR080 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

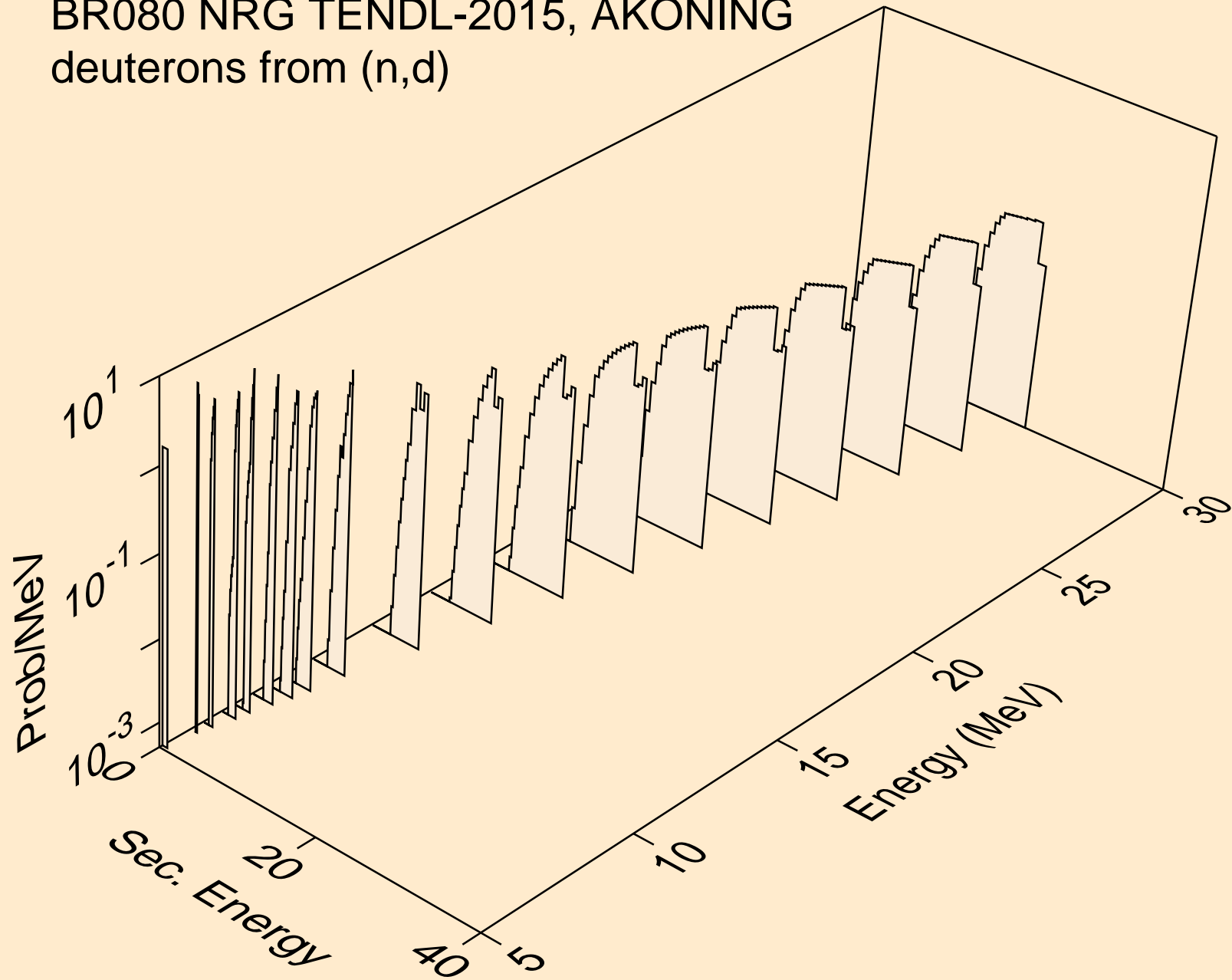




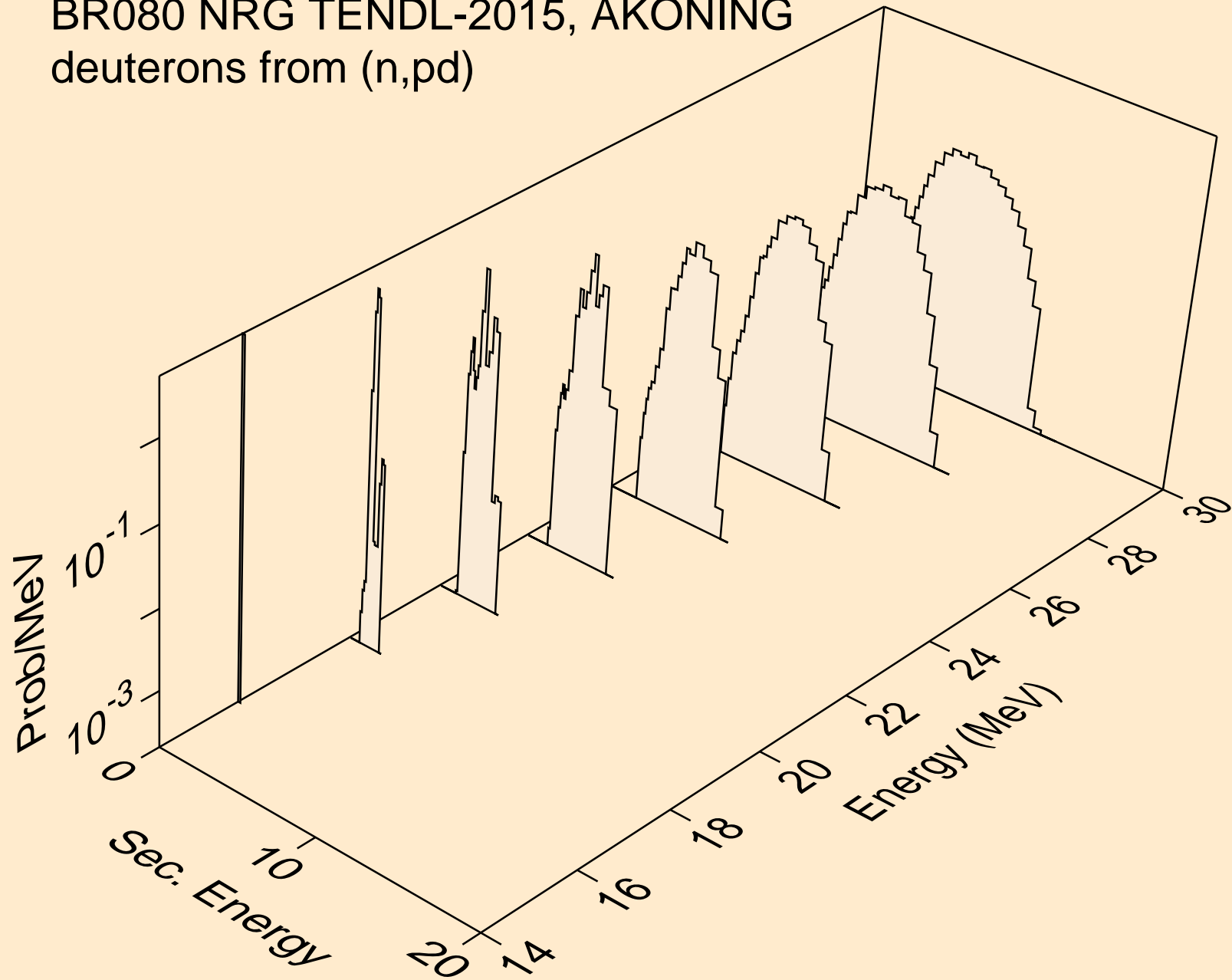
BR080 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



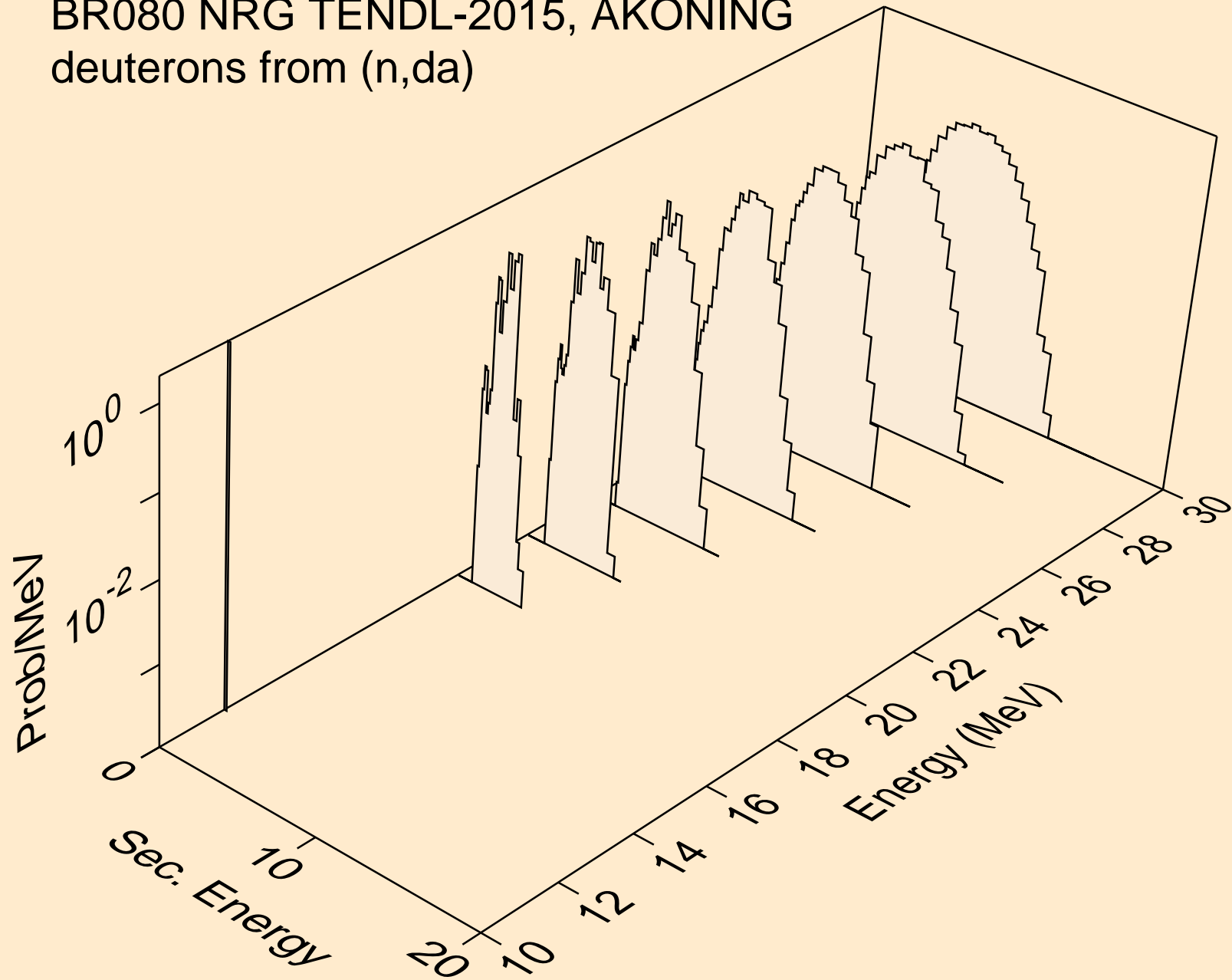
BR080 NRG TENDL-2015, AKONING  
deuterons from (n,d)



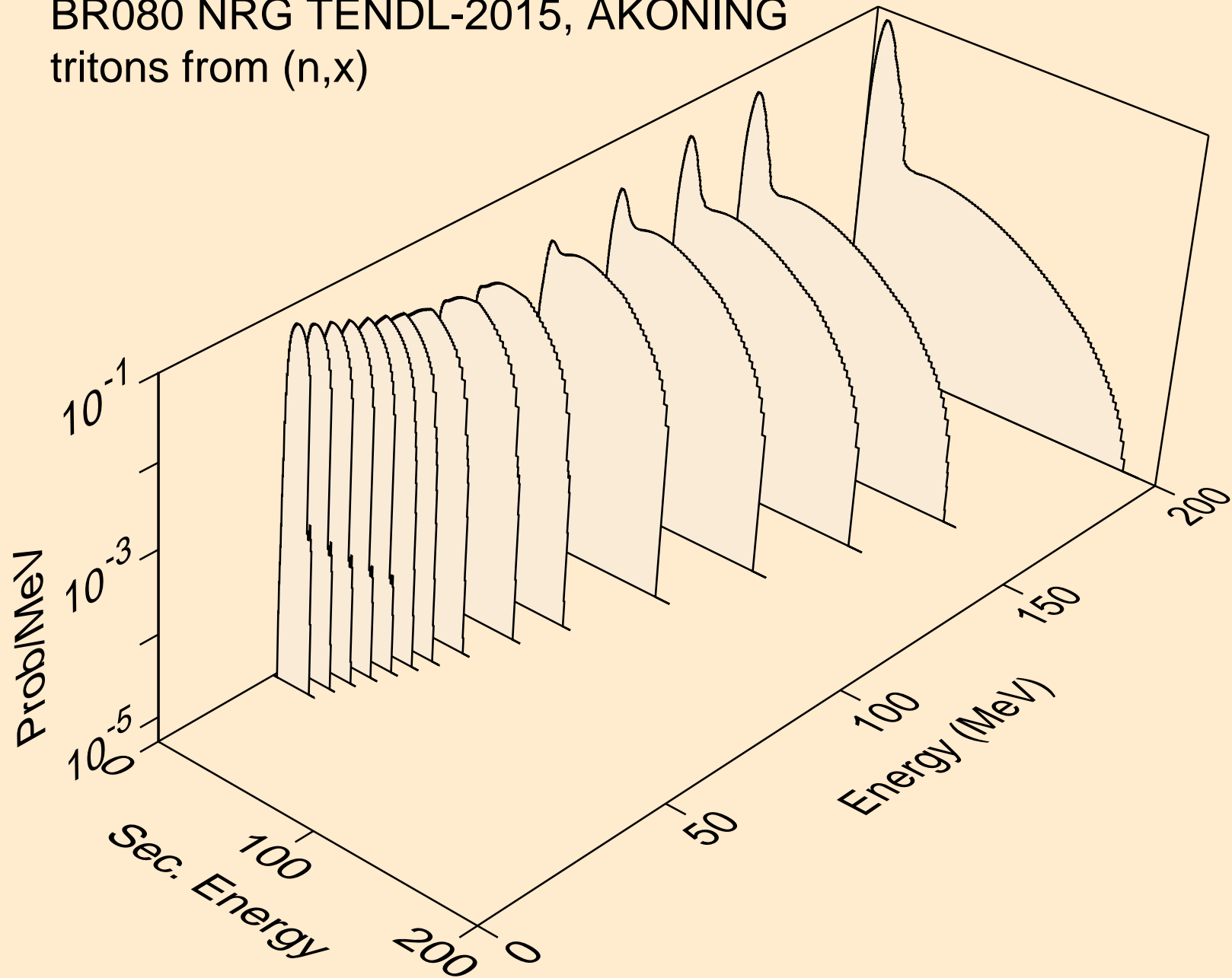
BR080 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



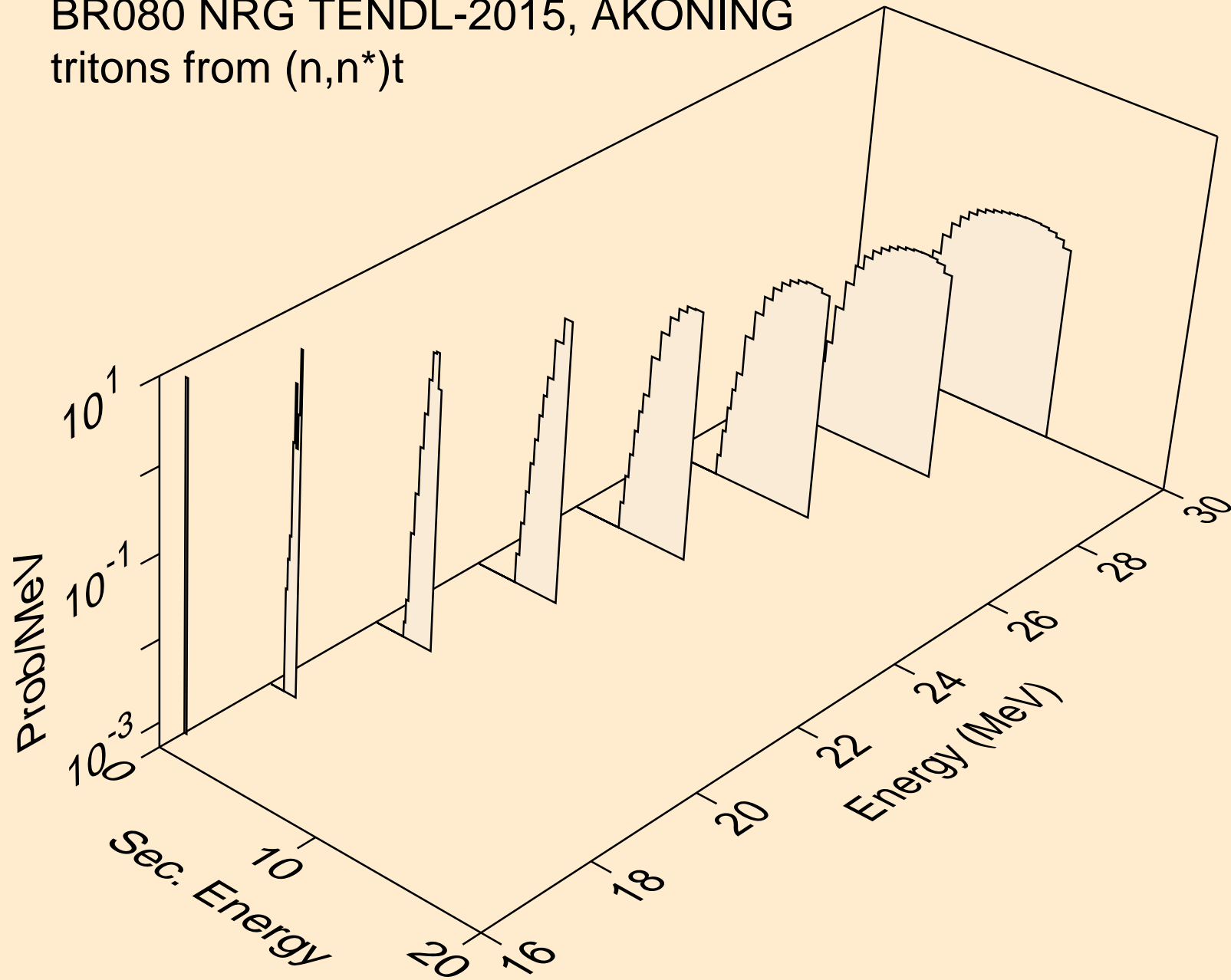
BR080 NRG TENDL-2015, AKONING  
deuterons from (n,da)



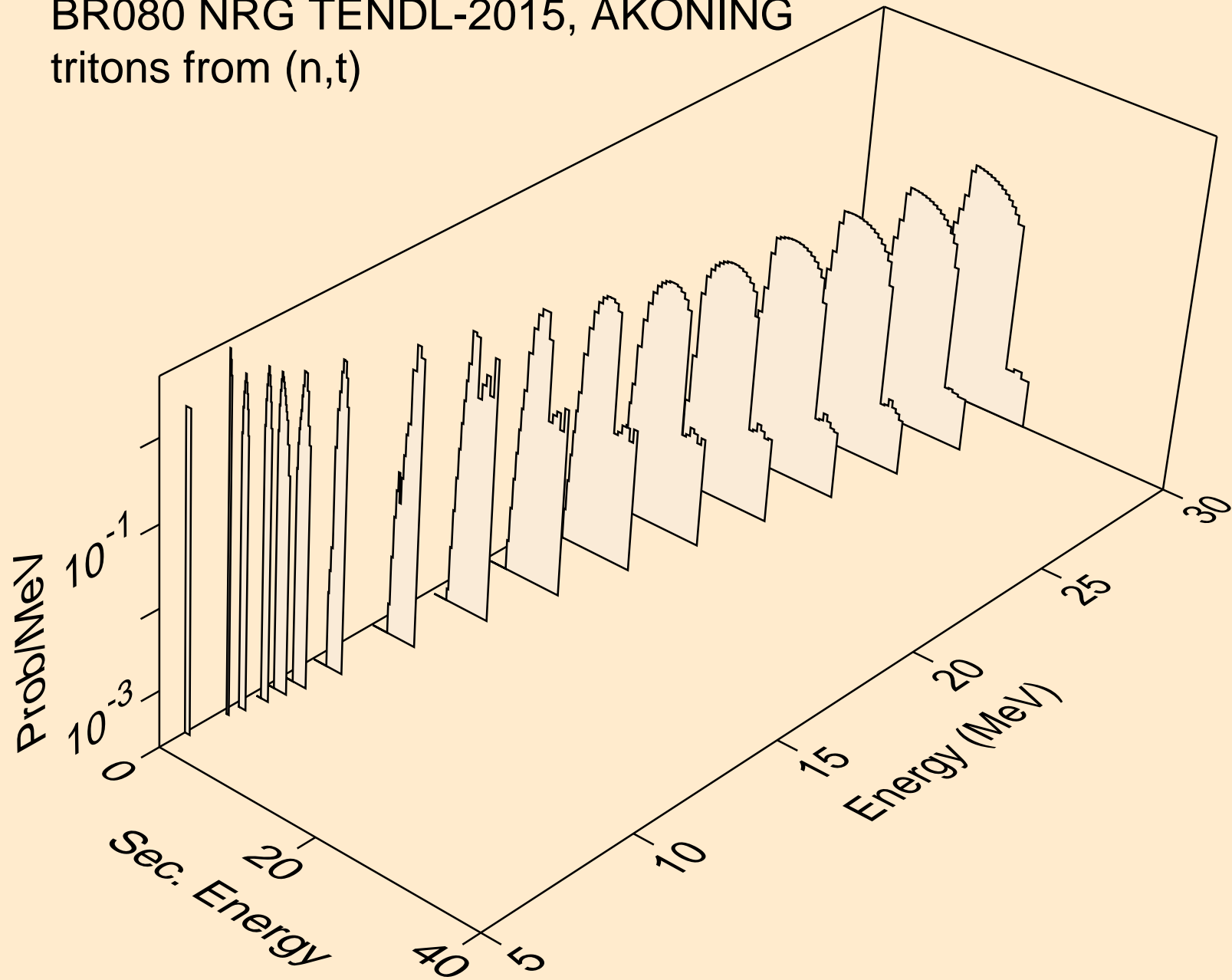
BR080 NRG TENDL-2015, AKONING  
tritons from (n,x)



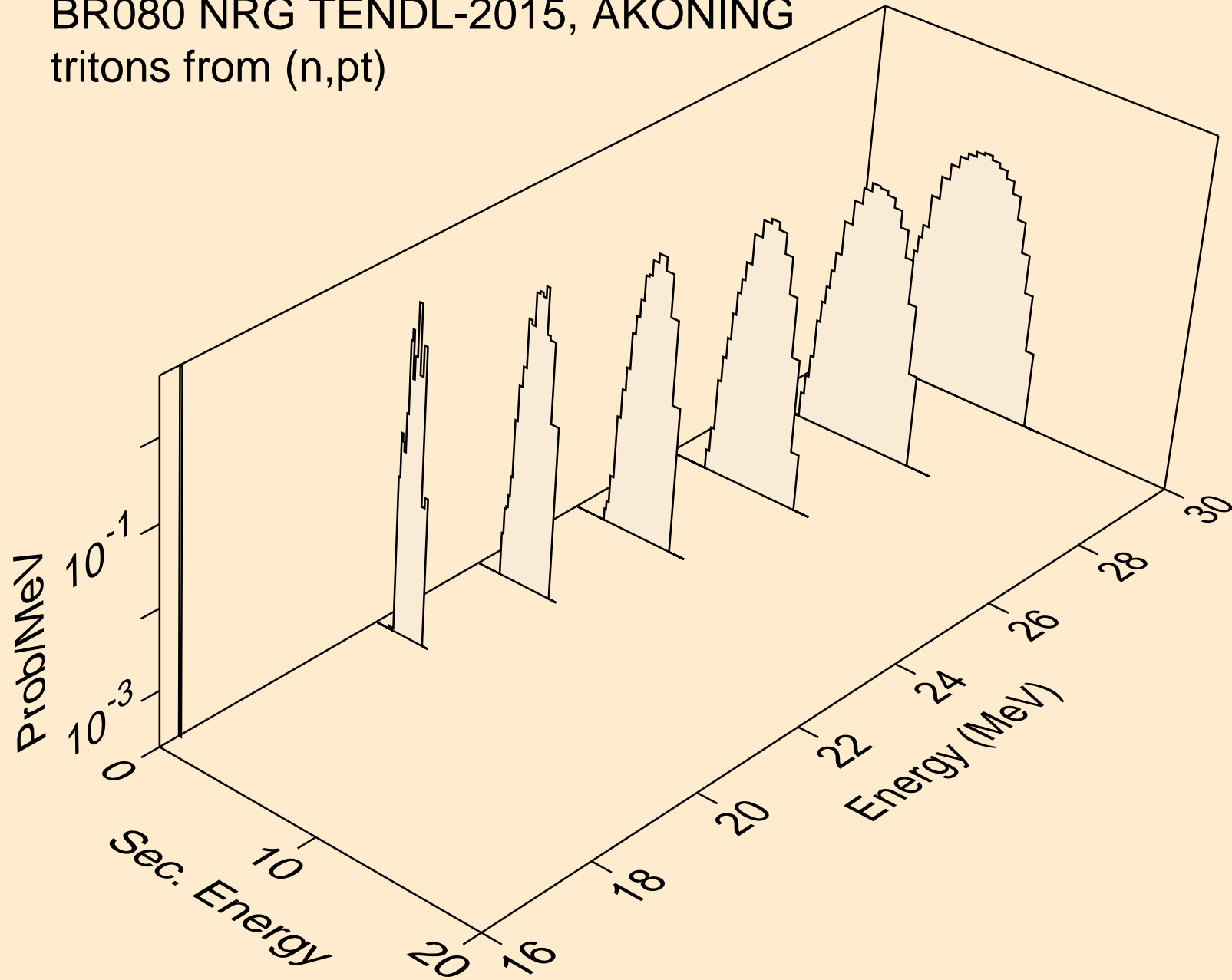
BR080 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



BR080 NRG TENDL-2015, AKONING  
tritons from (n,t)

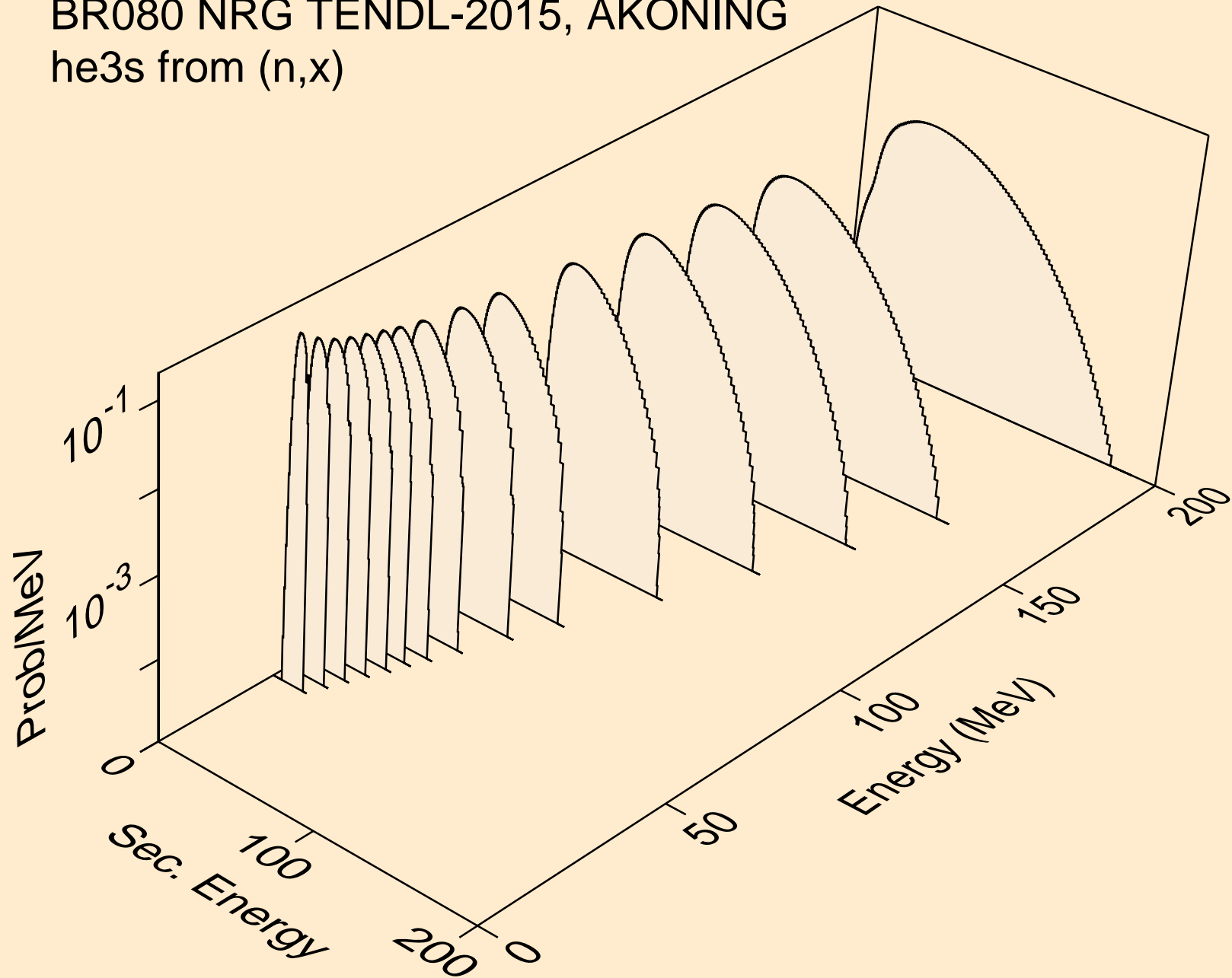


BR080 NRG TENDL-2015, AKONING  
tritons from (n,pt)

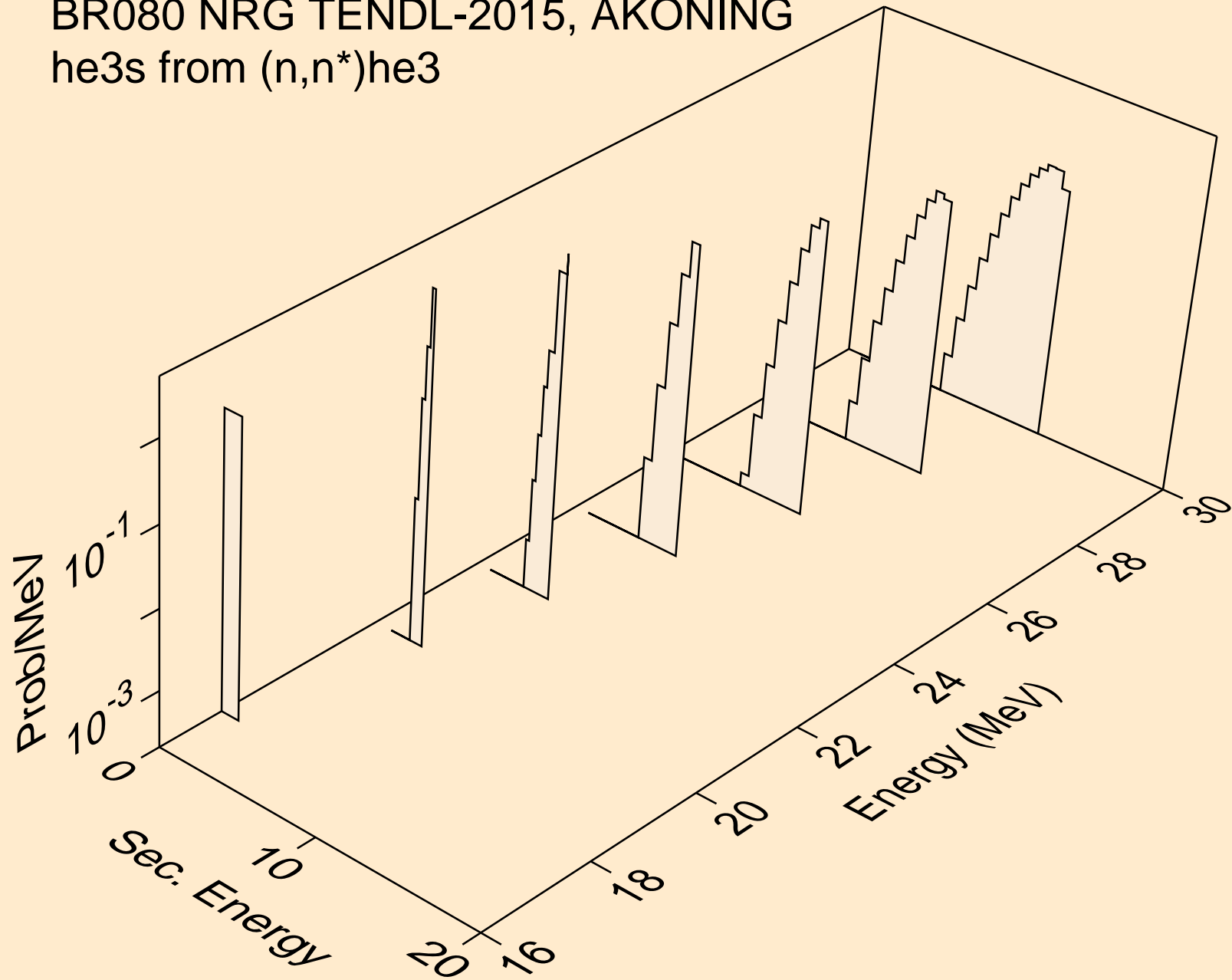




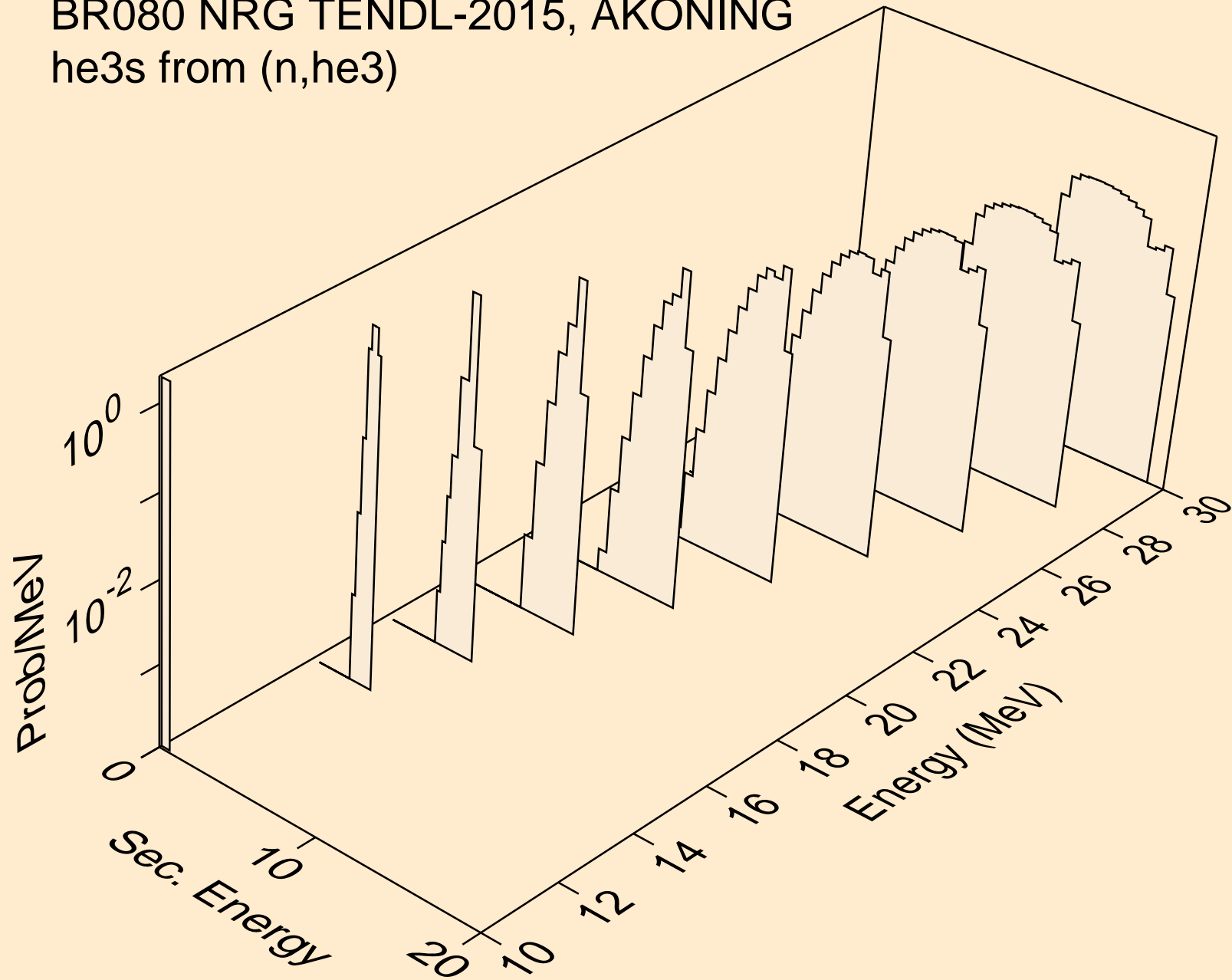
BR080 NRG TENDL-2015, AKONING  
he3s from (n,x)



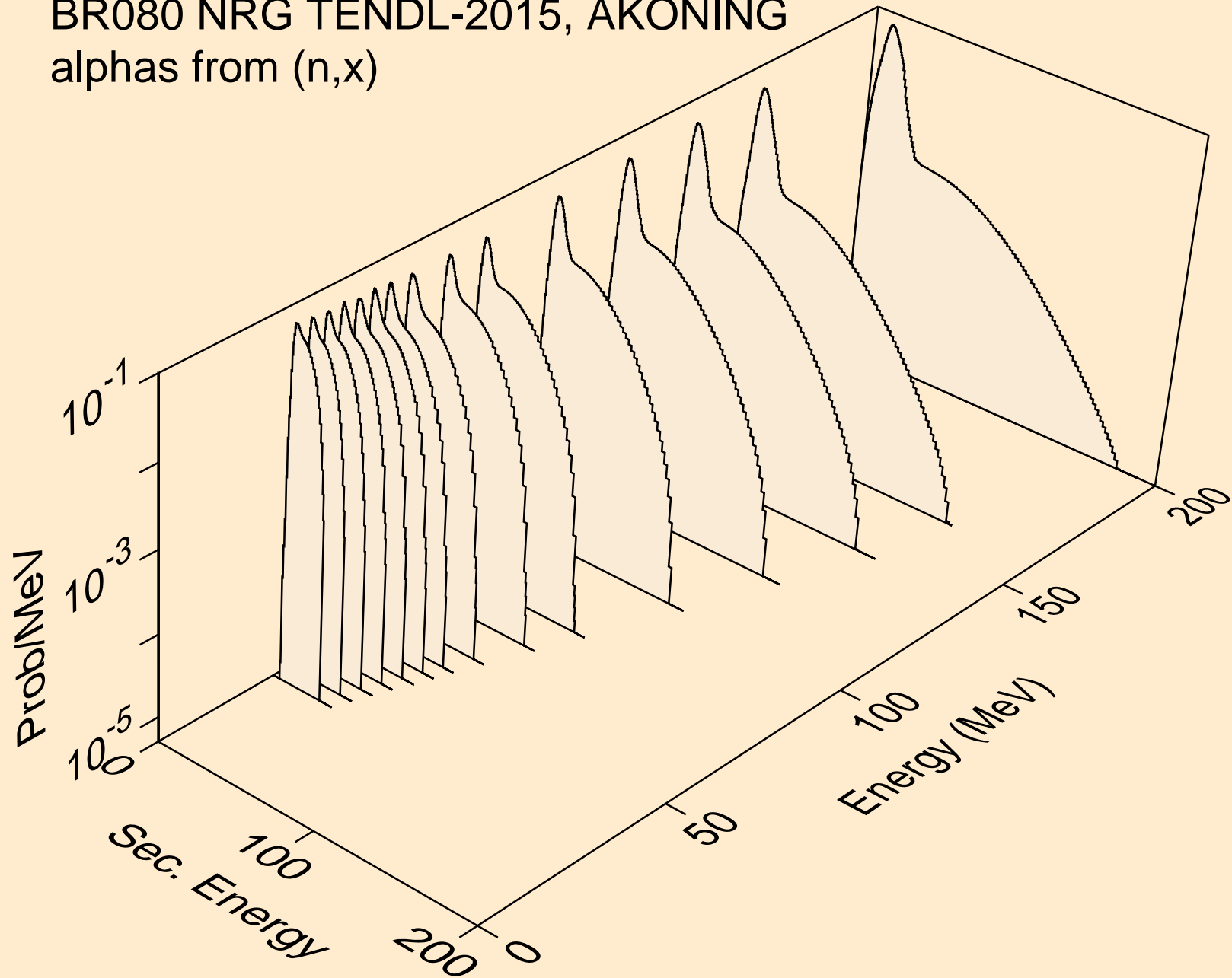
BR080 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



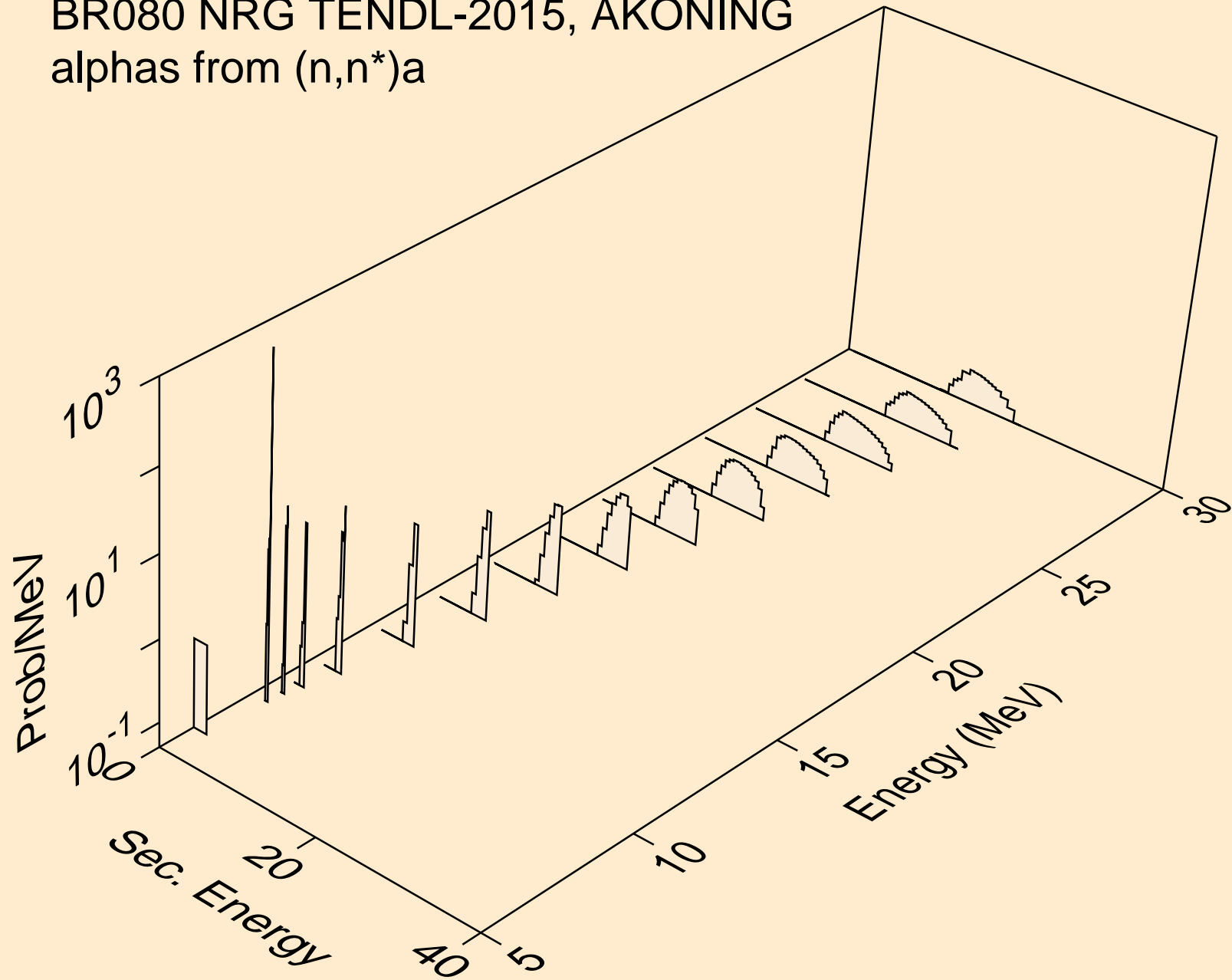
BR080 NRG TENDL-2015, AKONING  
he3s from (n,he3)



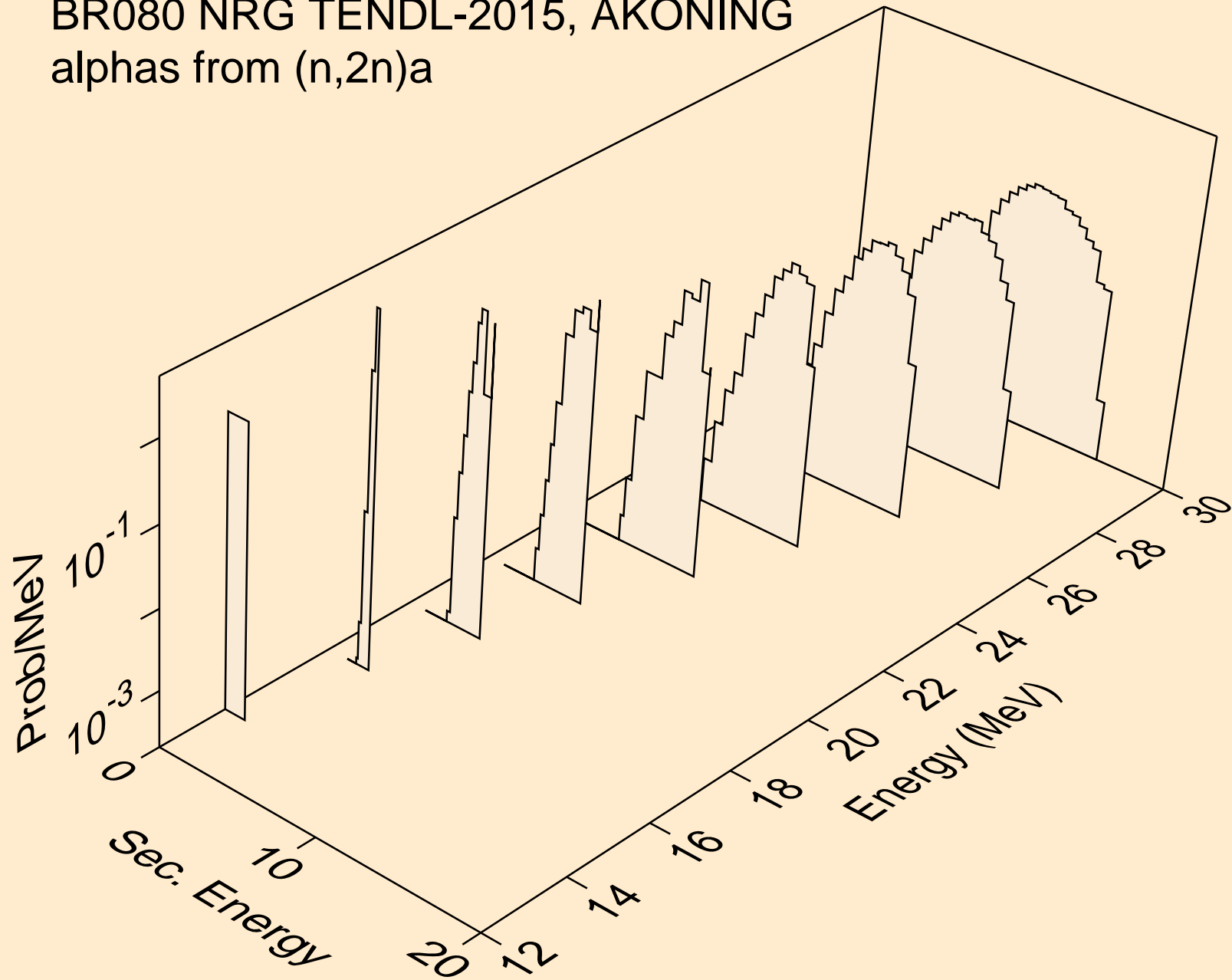
BR080 NRG TENDL-2015, AKONING  
alphas from (n,x)



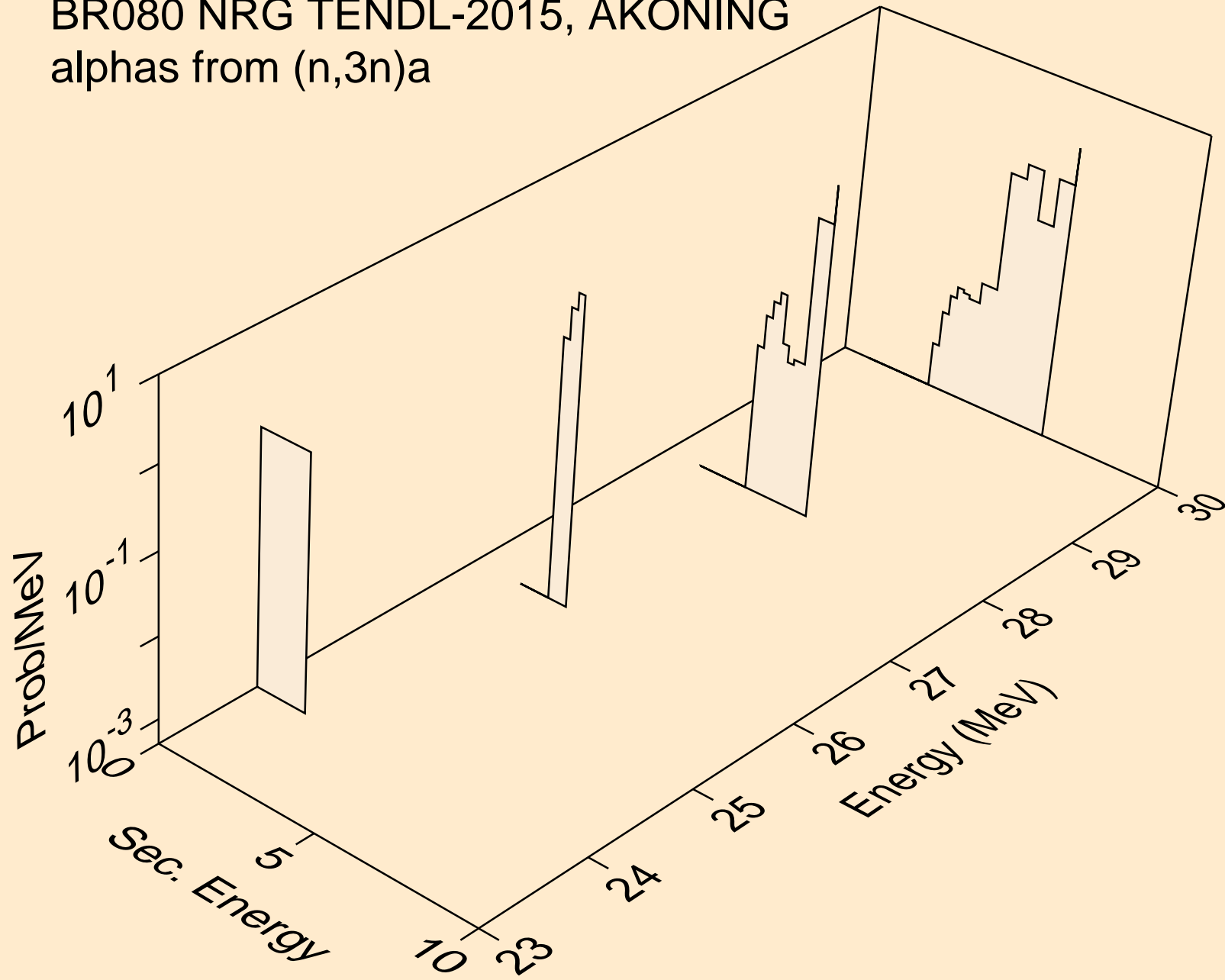
BR080 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



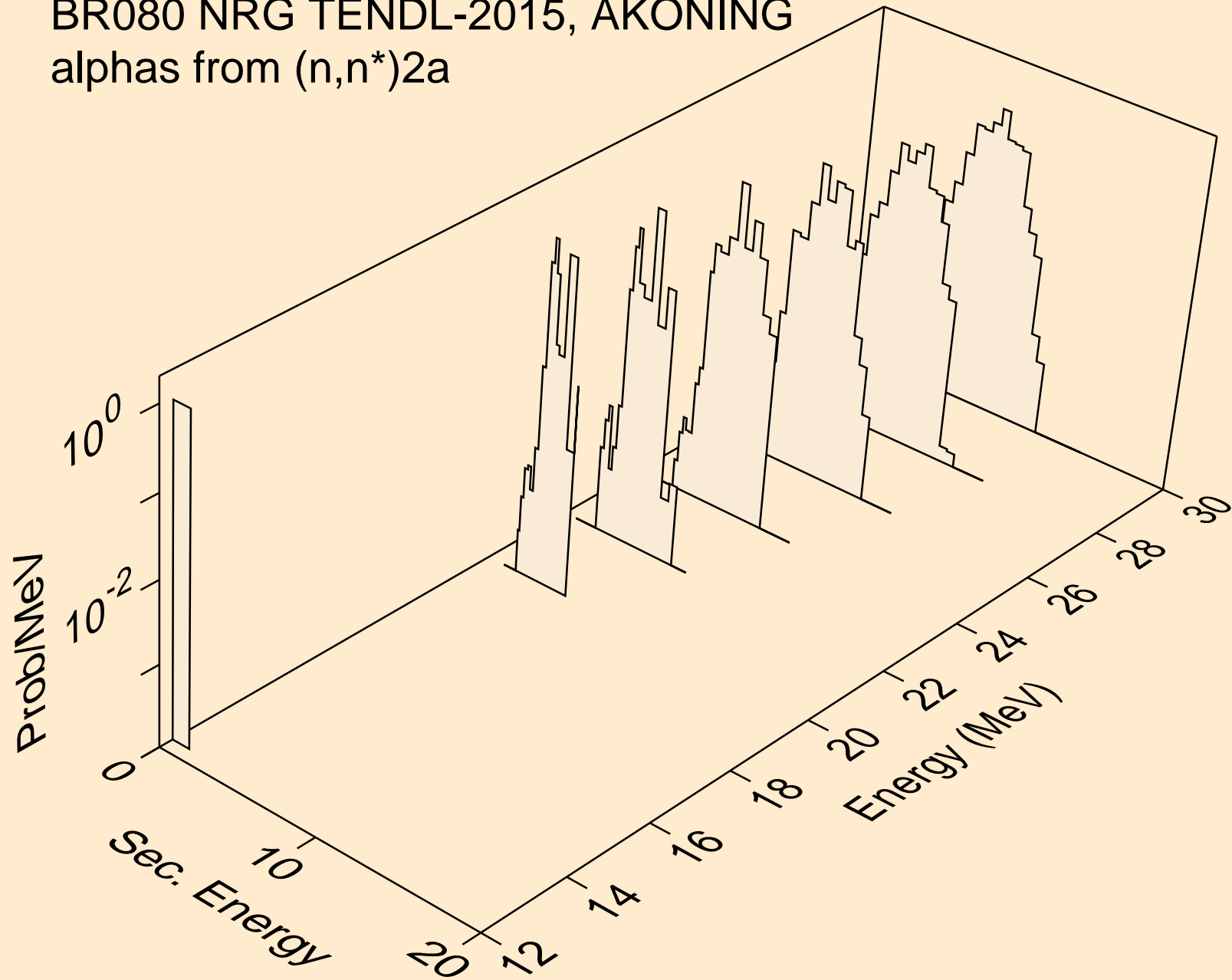
BR080 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



BR080 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

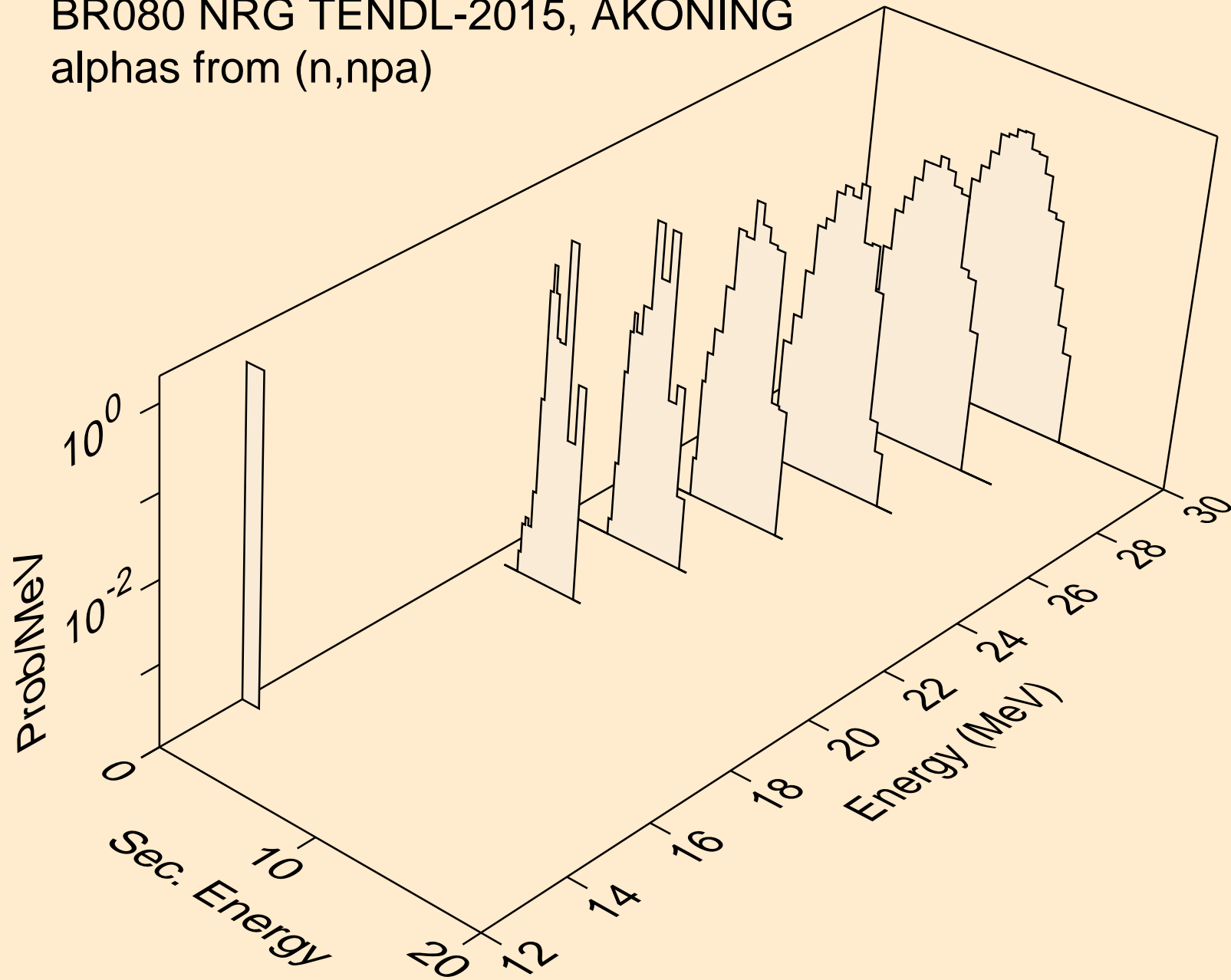


BR080 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

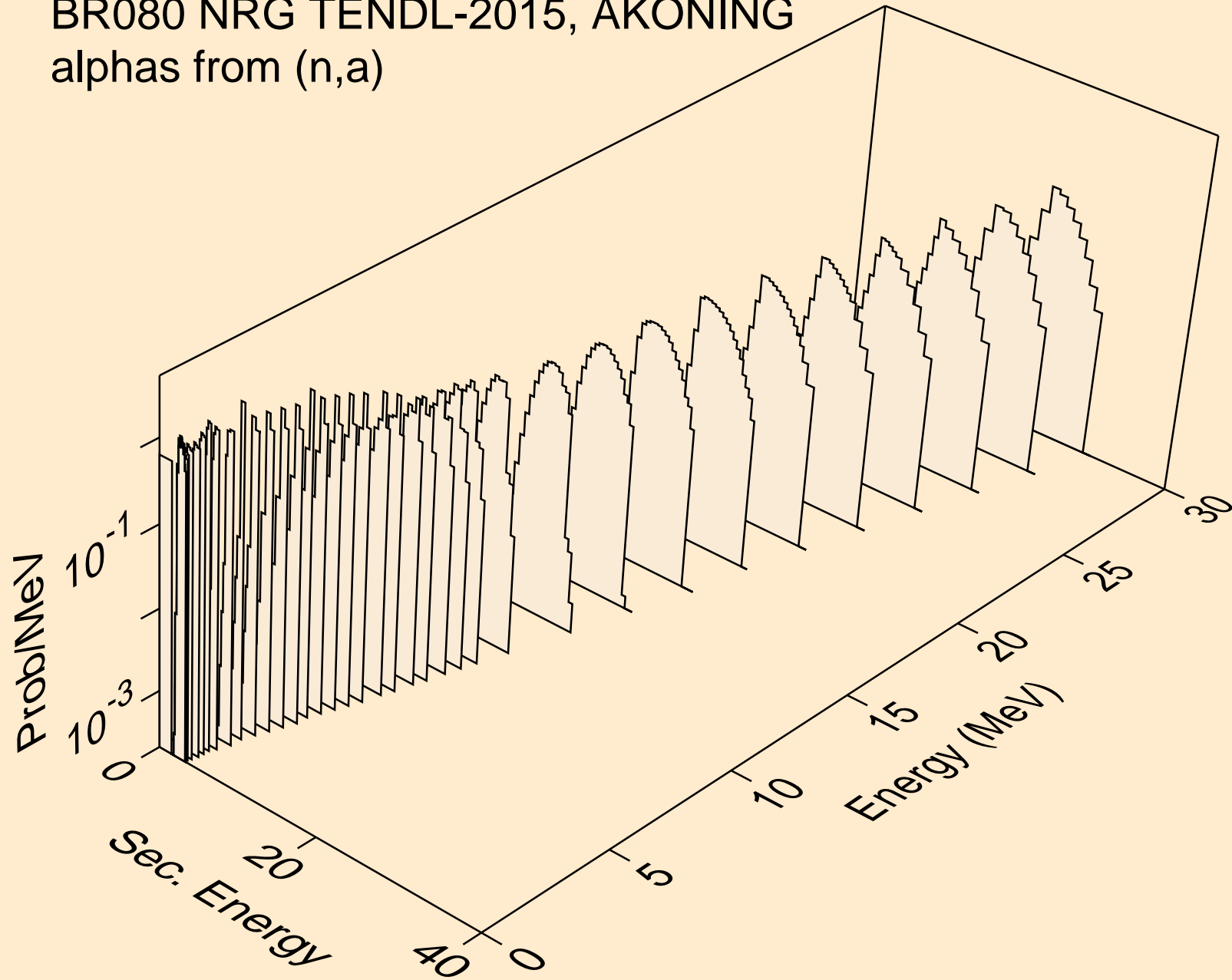




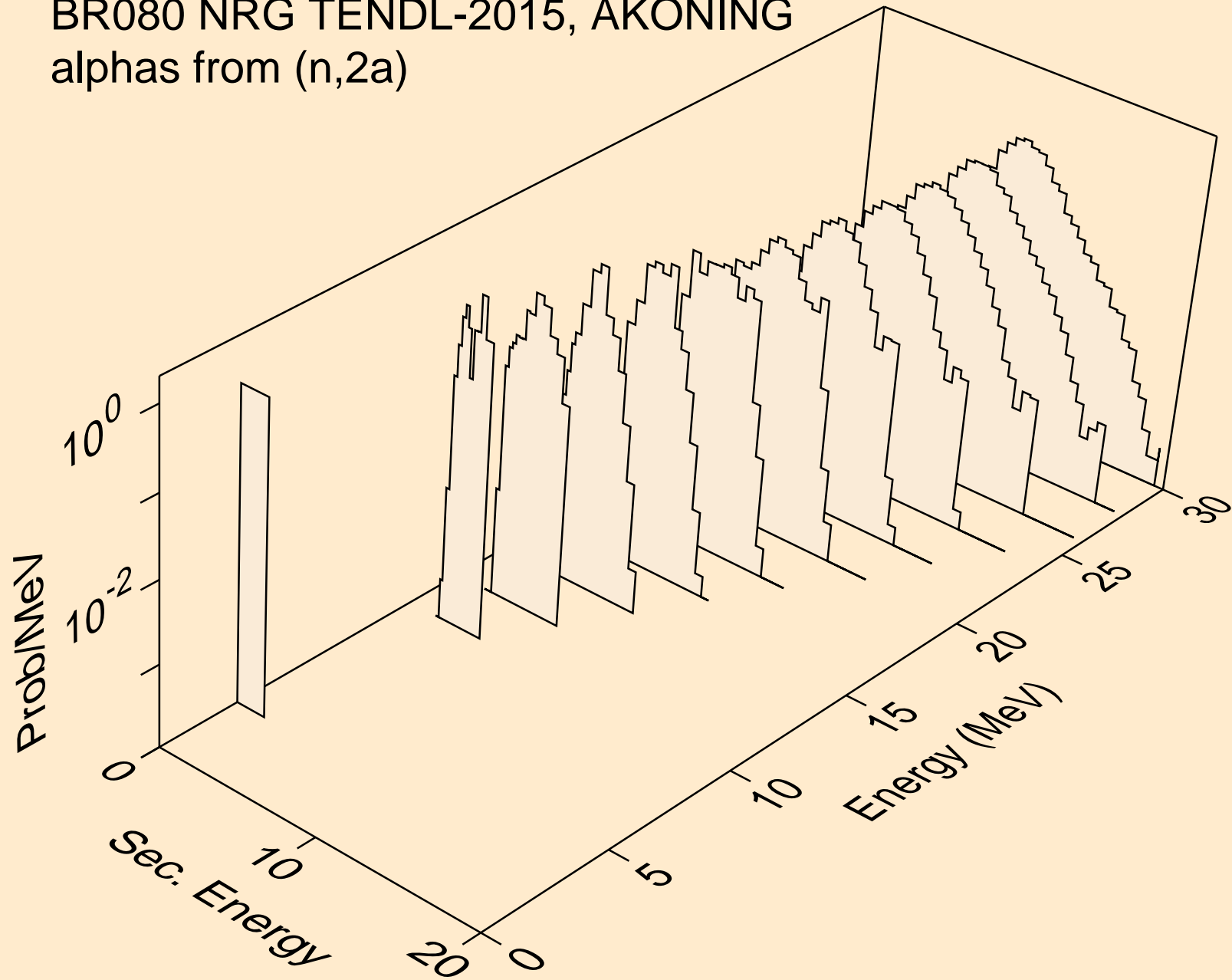
BR080 NRG TENDL-2015, AKONING  
alphas from (n,npa)



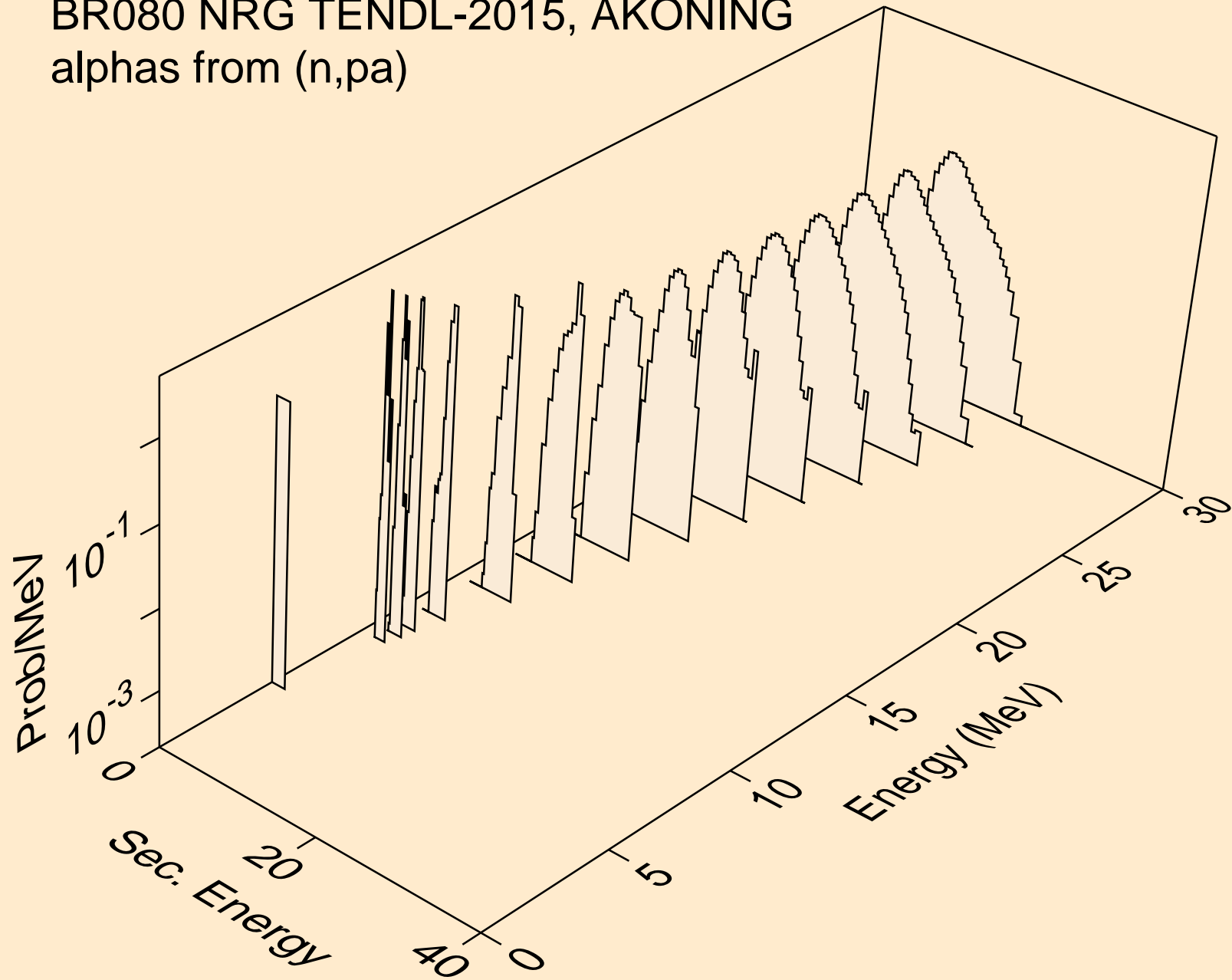
BR080 NRG TENDL-2015, AKONING  
alphas from (n,a)



BR080 NRG TENDL-2015, AKONING  
alphas from (n,2a)



BR080 NRG TENDL-2015, AKONING  
alphas from (n,pa)



BR080 NRG TENDL-2015, AKONING  
alphas from (n,da)

