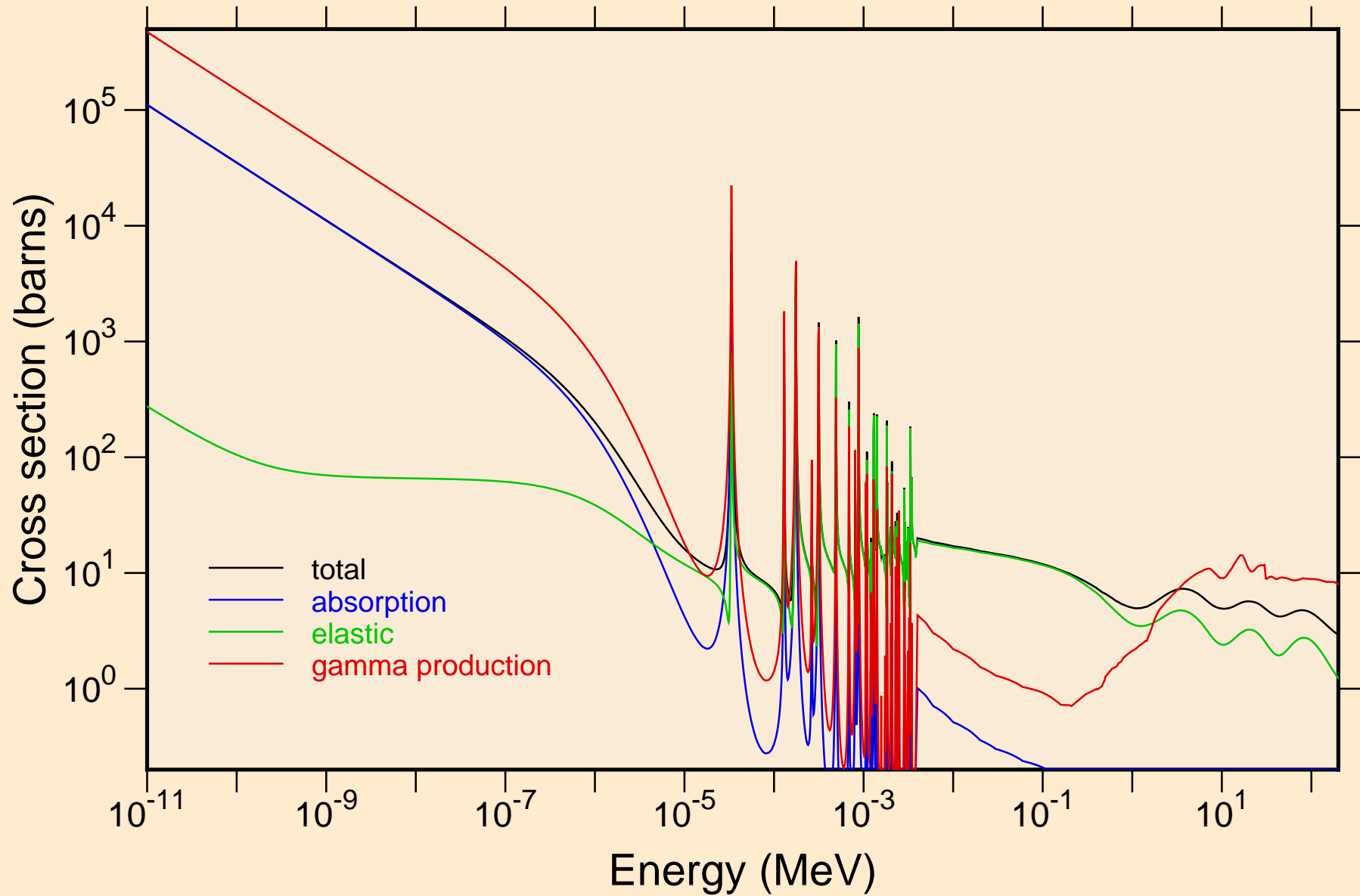
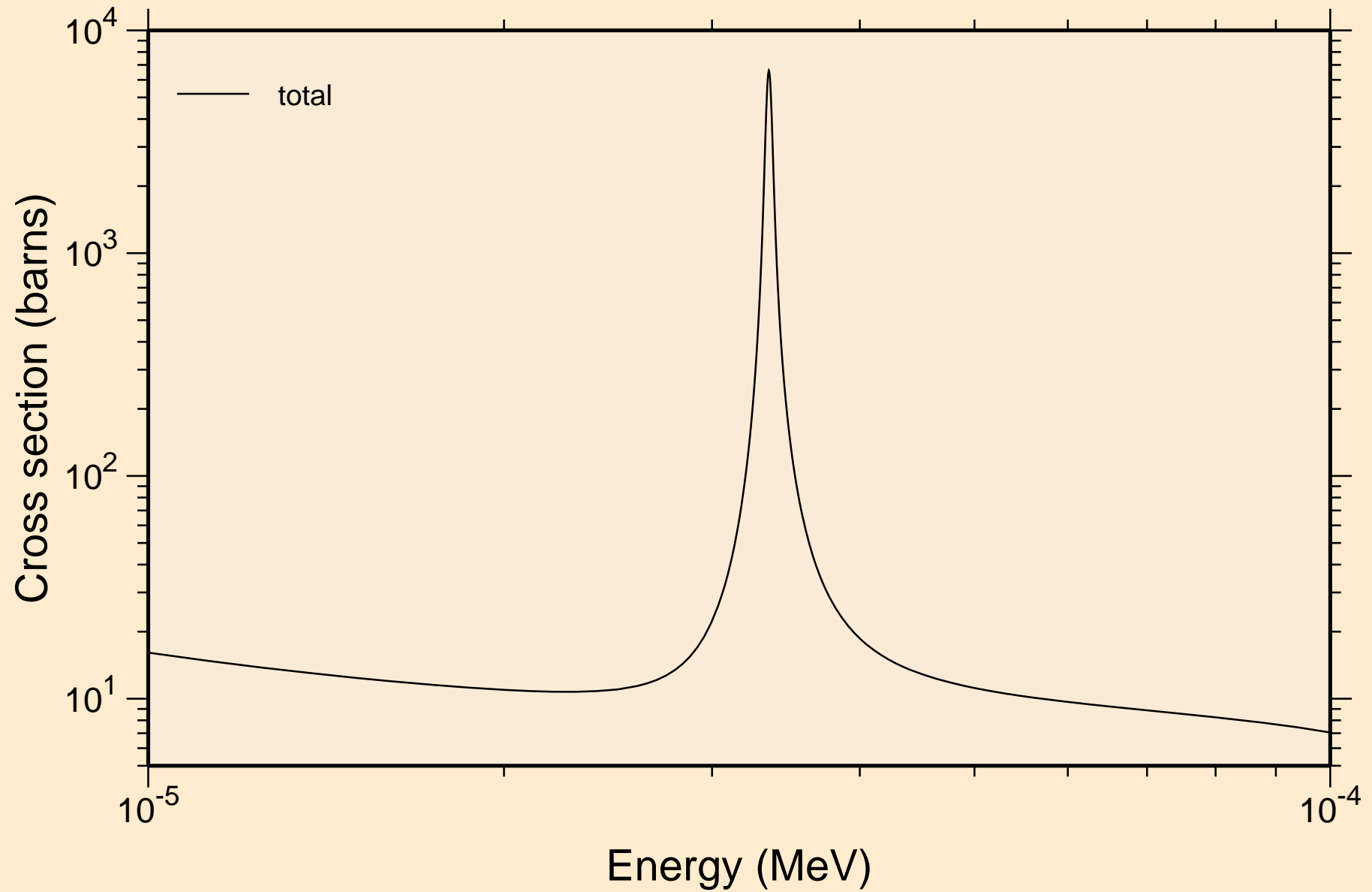


# HG199 NRG TENDL-2015, AKONING

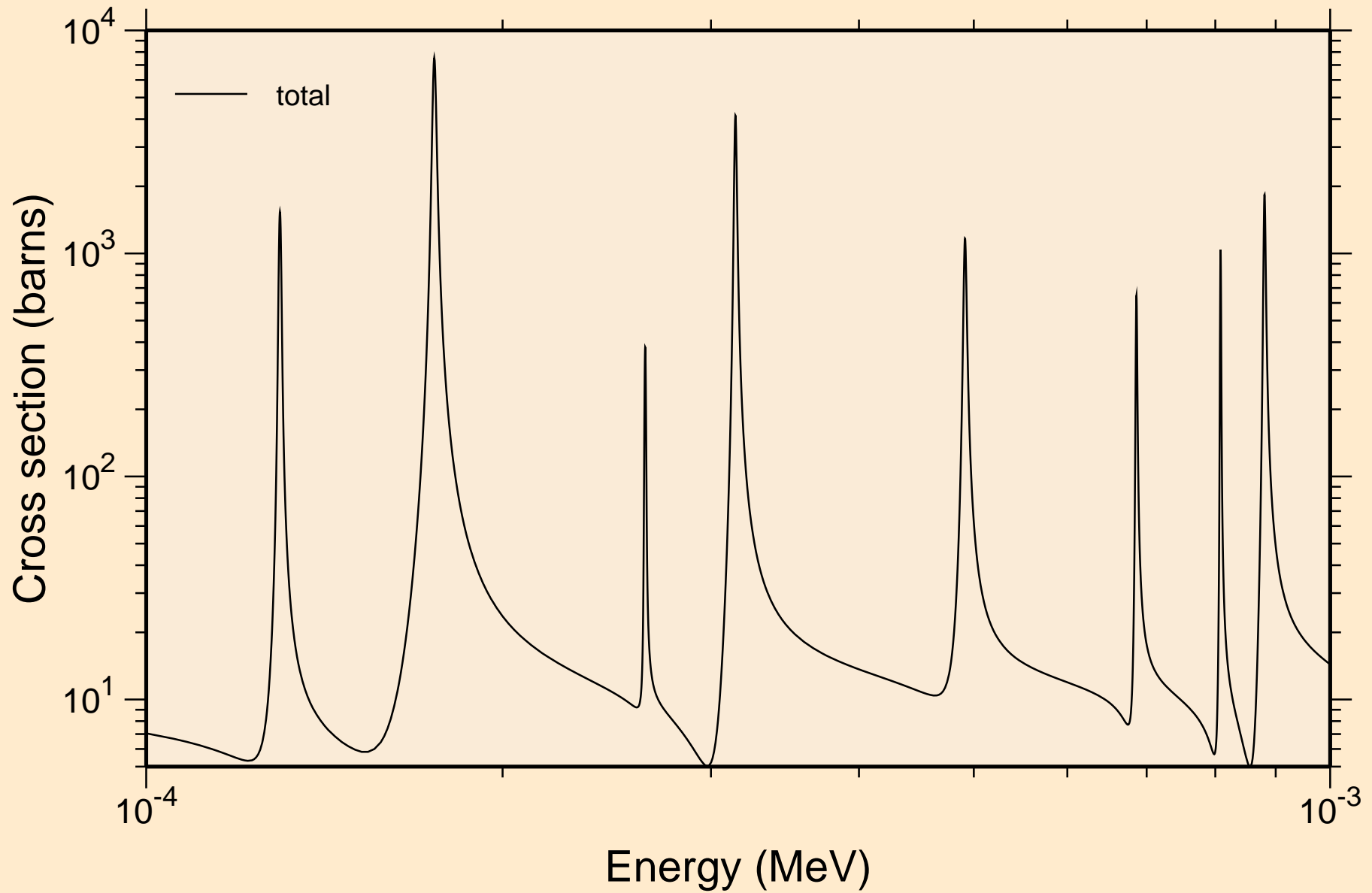
## Principal cross sections



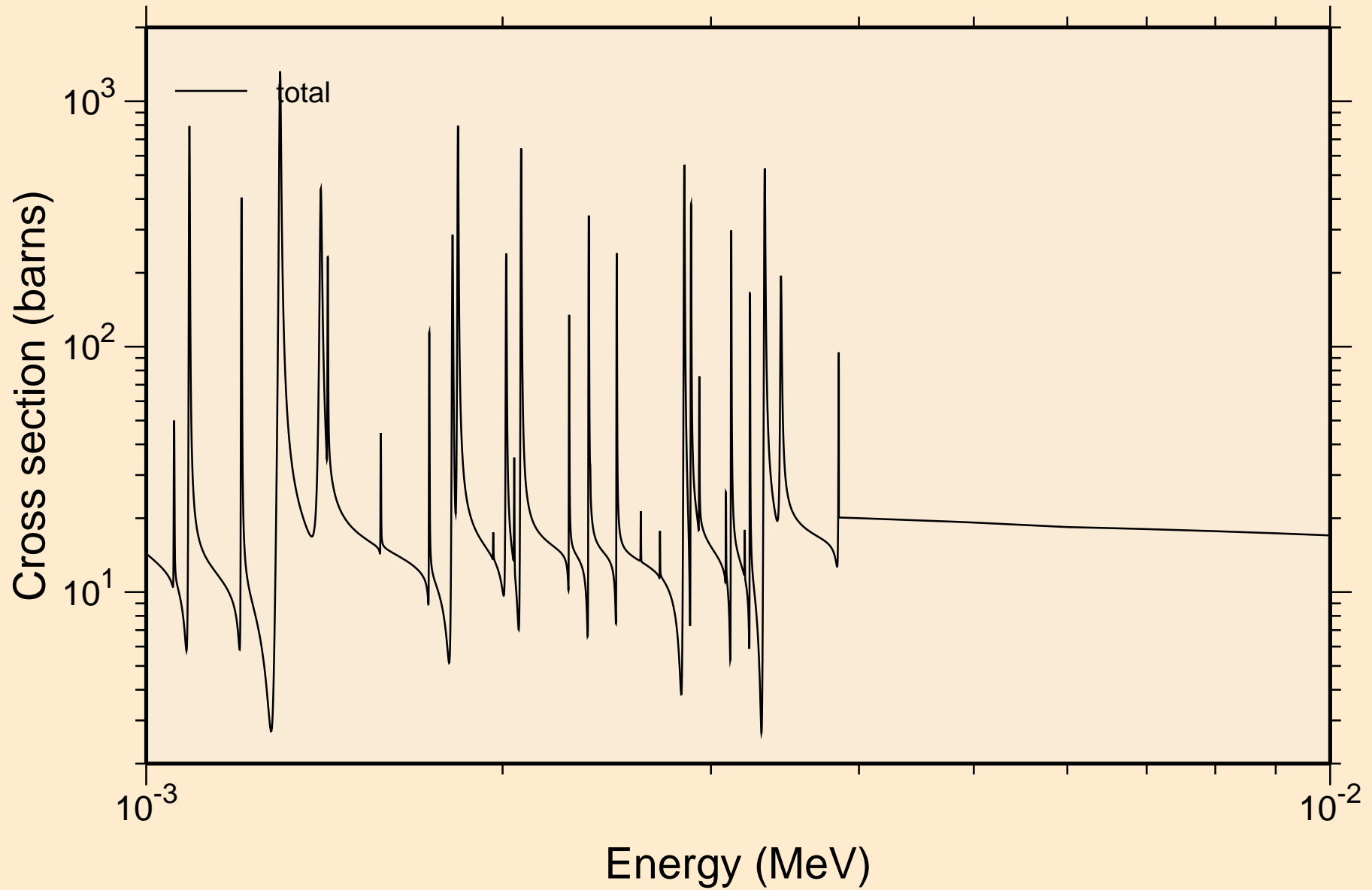
HG199 NRG TENDL-2015, AKONING  
resonance total cross section



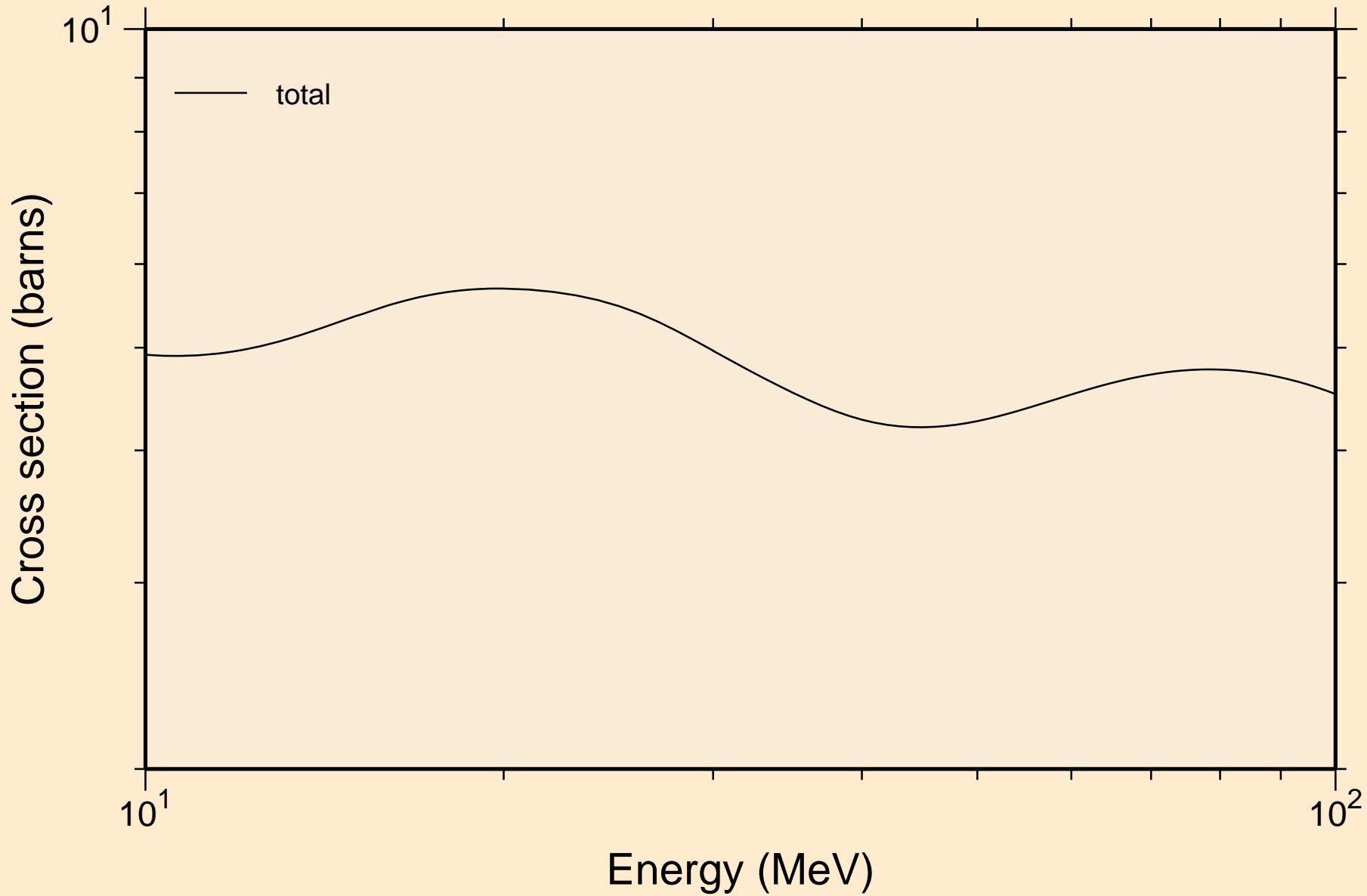
HG199 NRG TENDL-2015, AKONING  
resonance total cross section



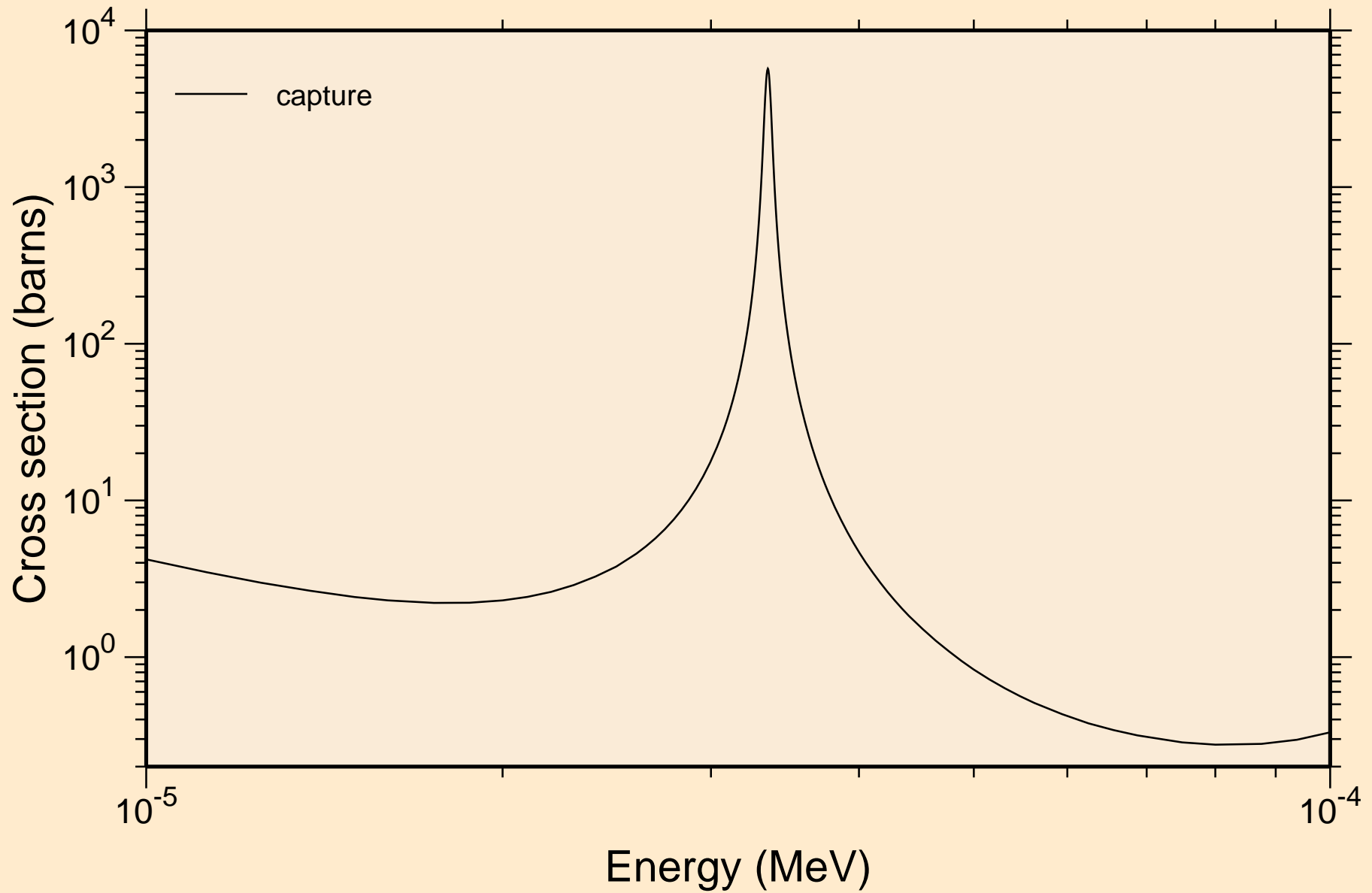
HG199 NRG TENDL-2015, AKONING  
resonance total cross section



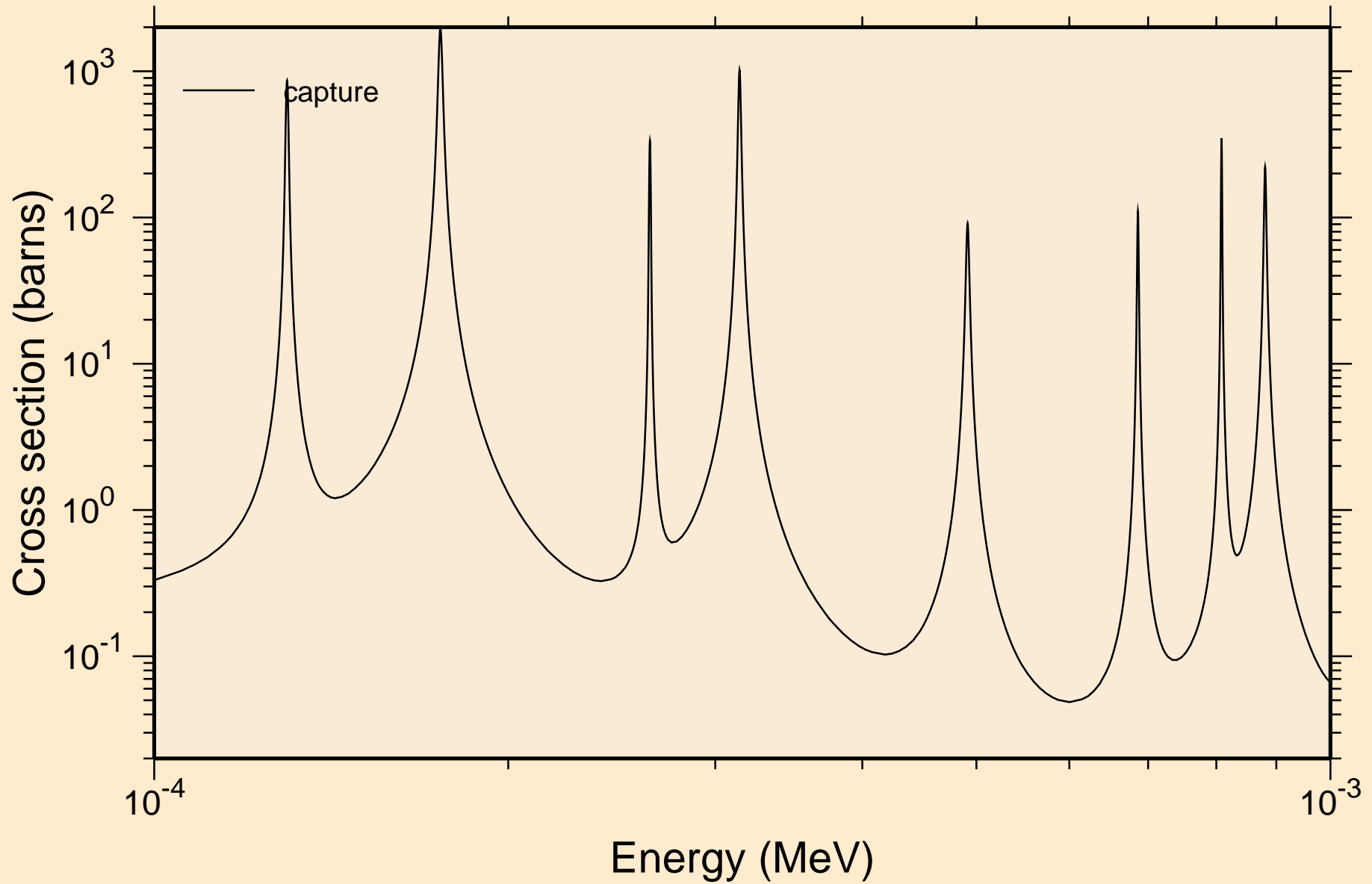
HG199 NRG TENDL-2015, AKONING  
resonance total cross section



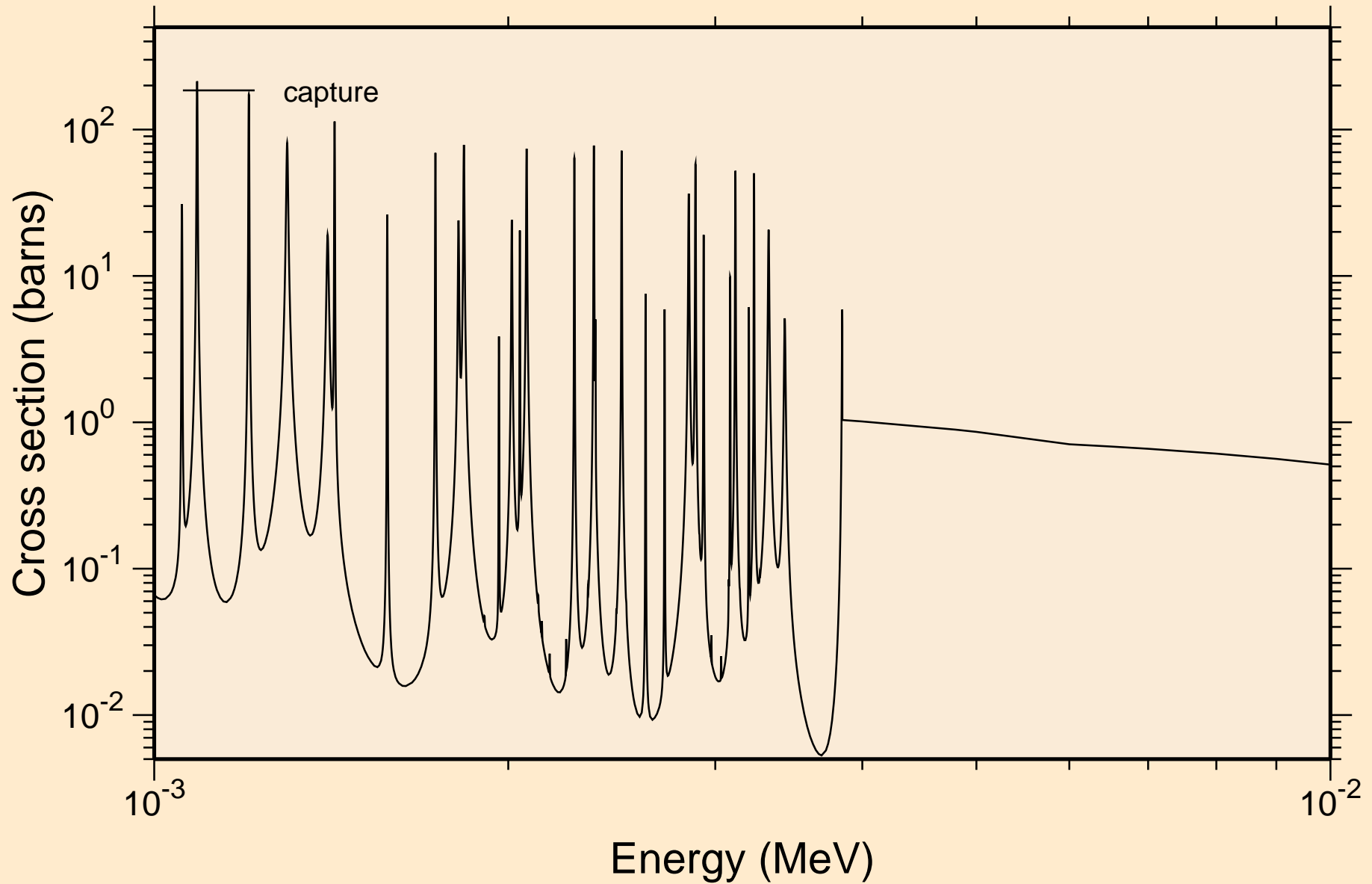
HG199 NRG TENDL-2015, AKONING  
resonance absorption cross sections



HG199 NRG TENDL-2015, AKONING  
resonance absorption cross sections

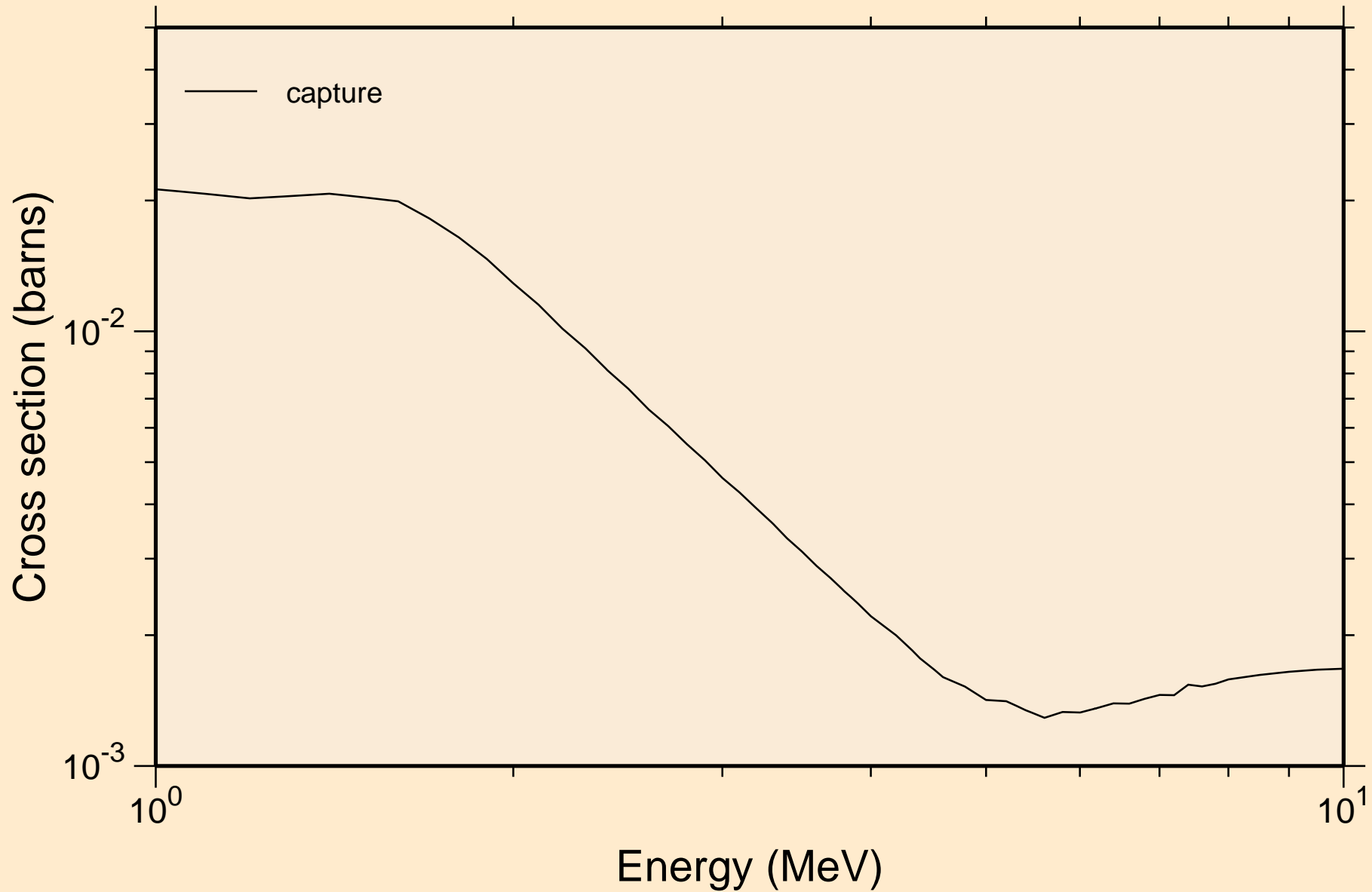


HG199 NRG TENDL-2015, AKONING  
resonance absorption cross sections



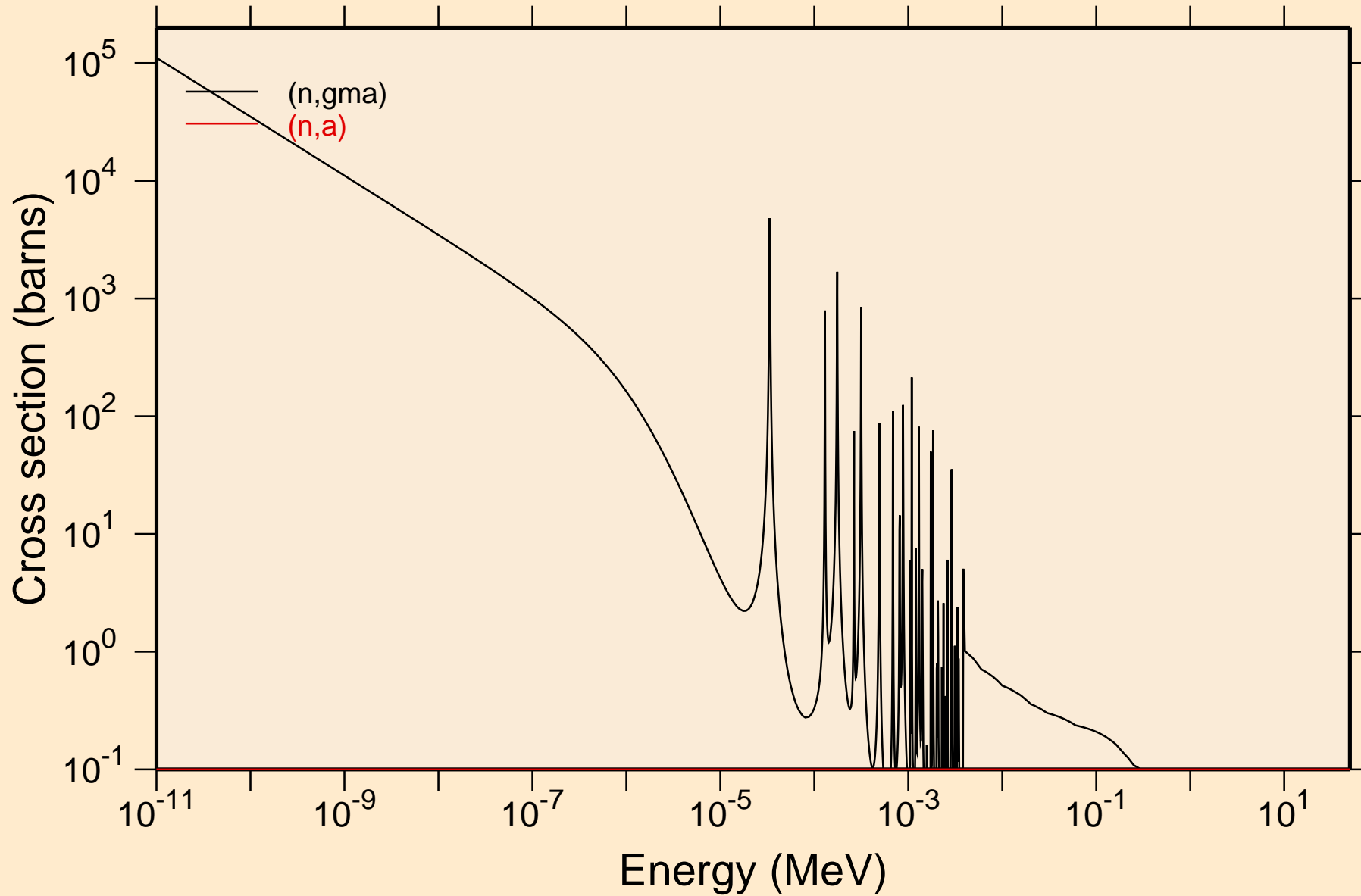


# HG199 NRG TENDL-2015, AKONING resonance absorption cross sections



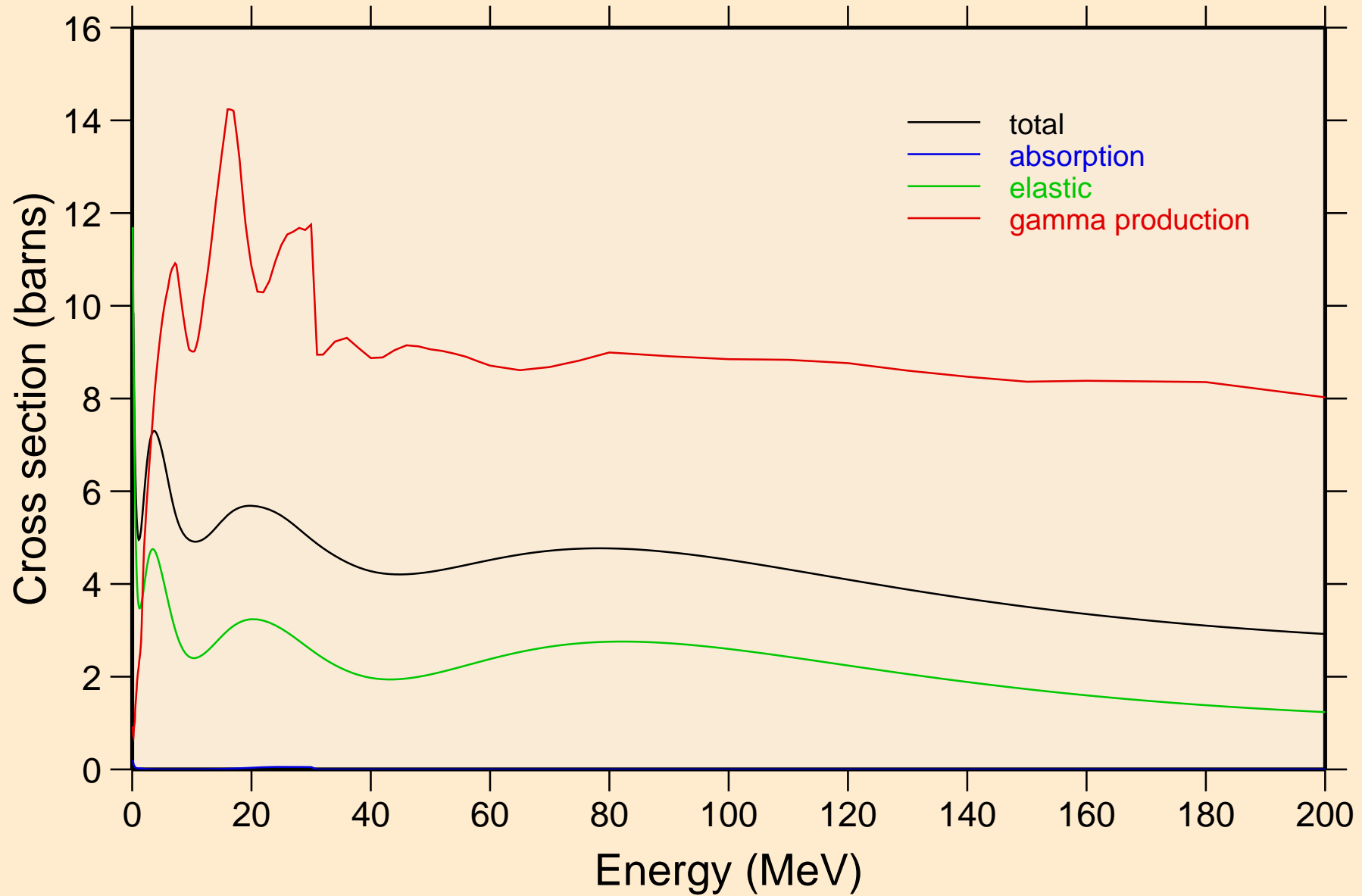
# HG199 NRG TENDL-2015, AKONING

## Non-threshold reactions



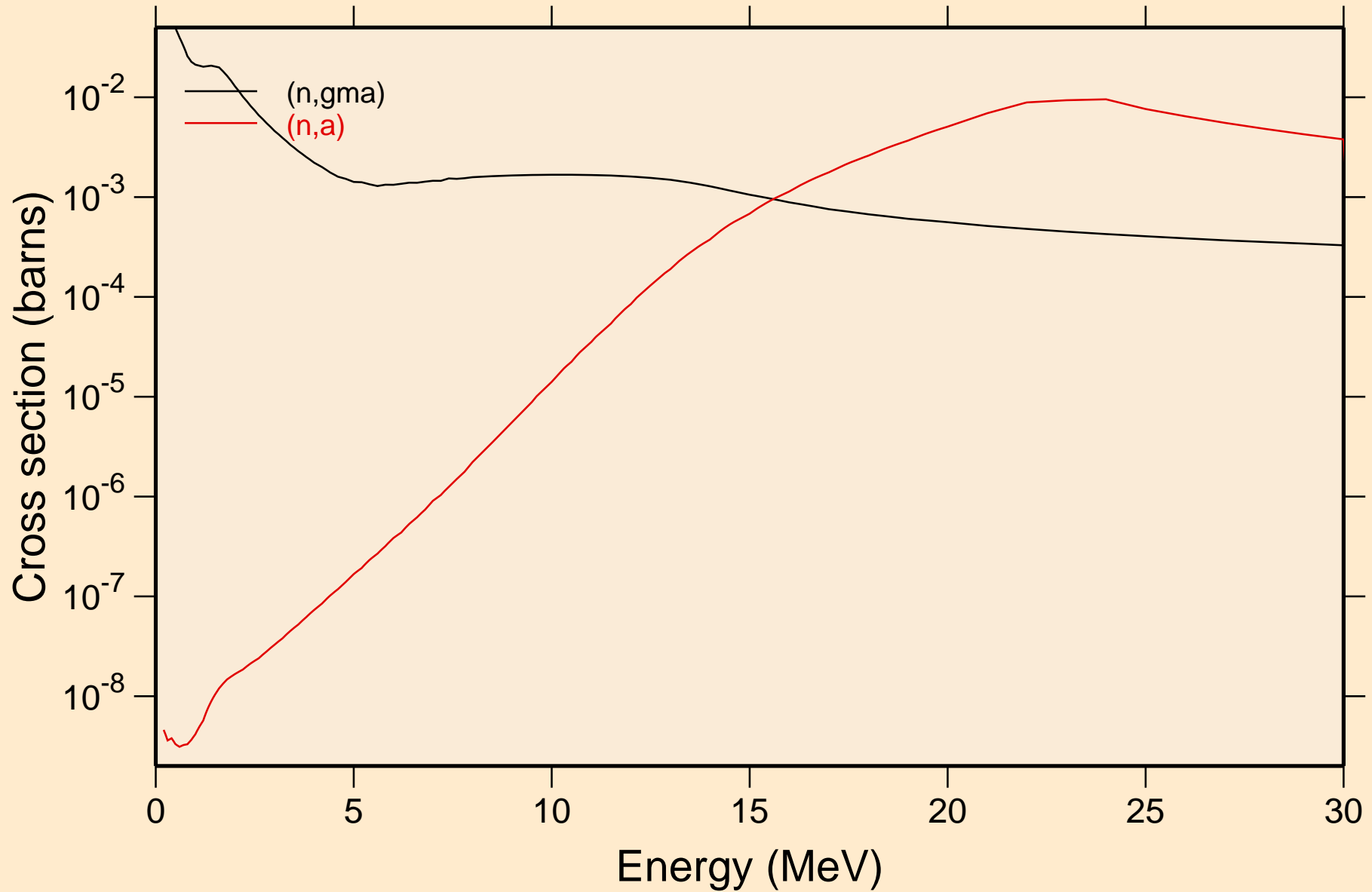
# HG199 NRG TENDL-2015, AKONING

## Principal cross sections



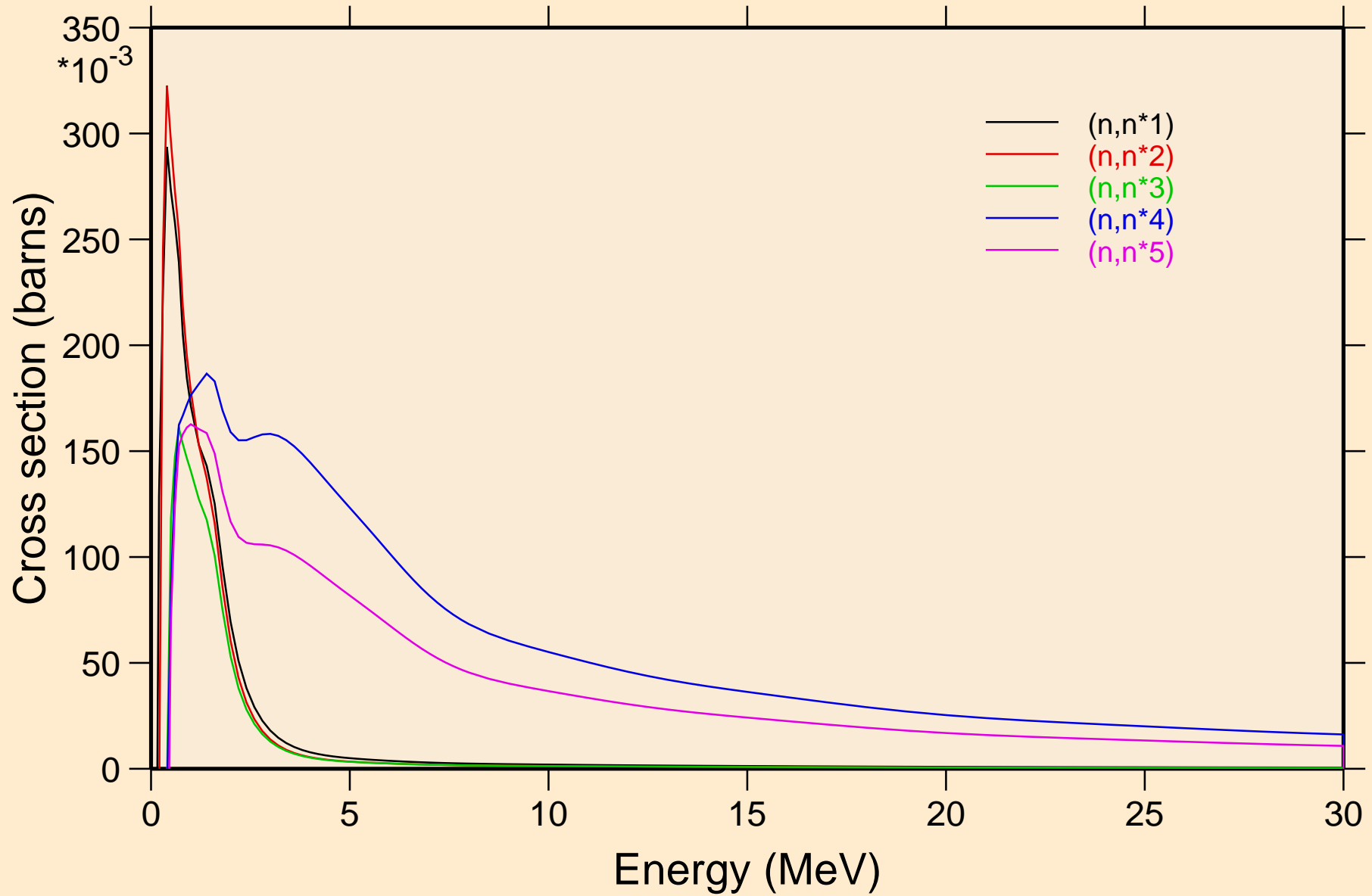
# HG199 NRG TENDL-2015, AKONING

## Non-threshold reactions



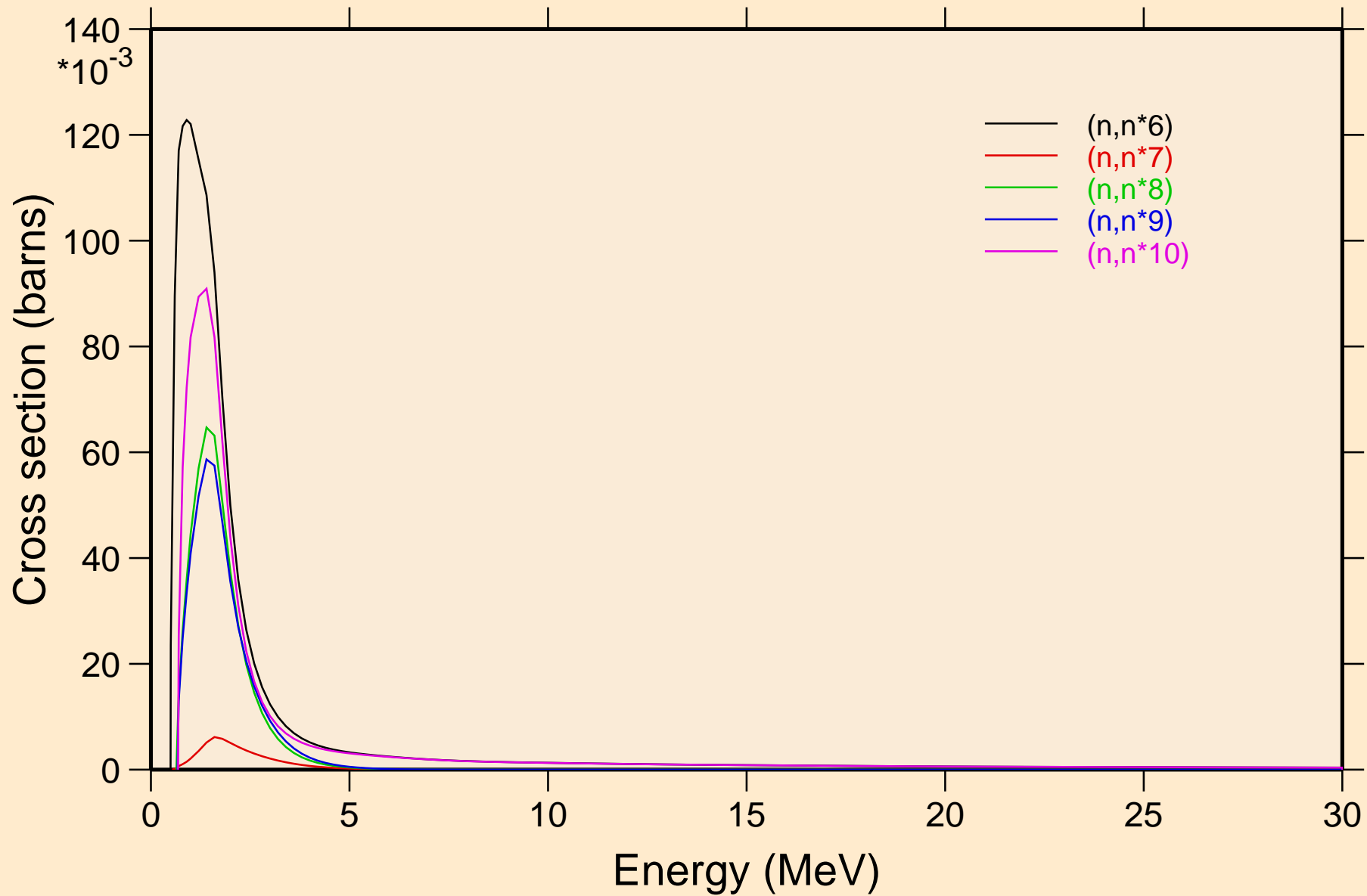
# HG199 NRG TENDL-2015, AKONING

## Inelastic levels



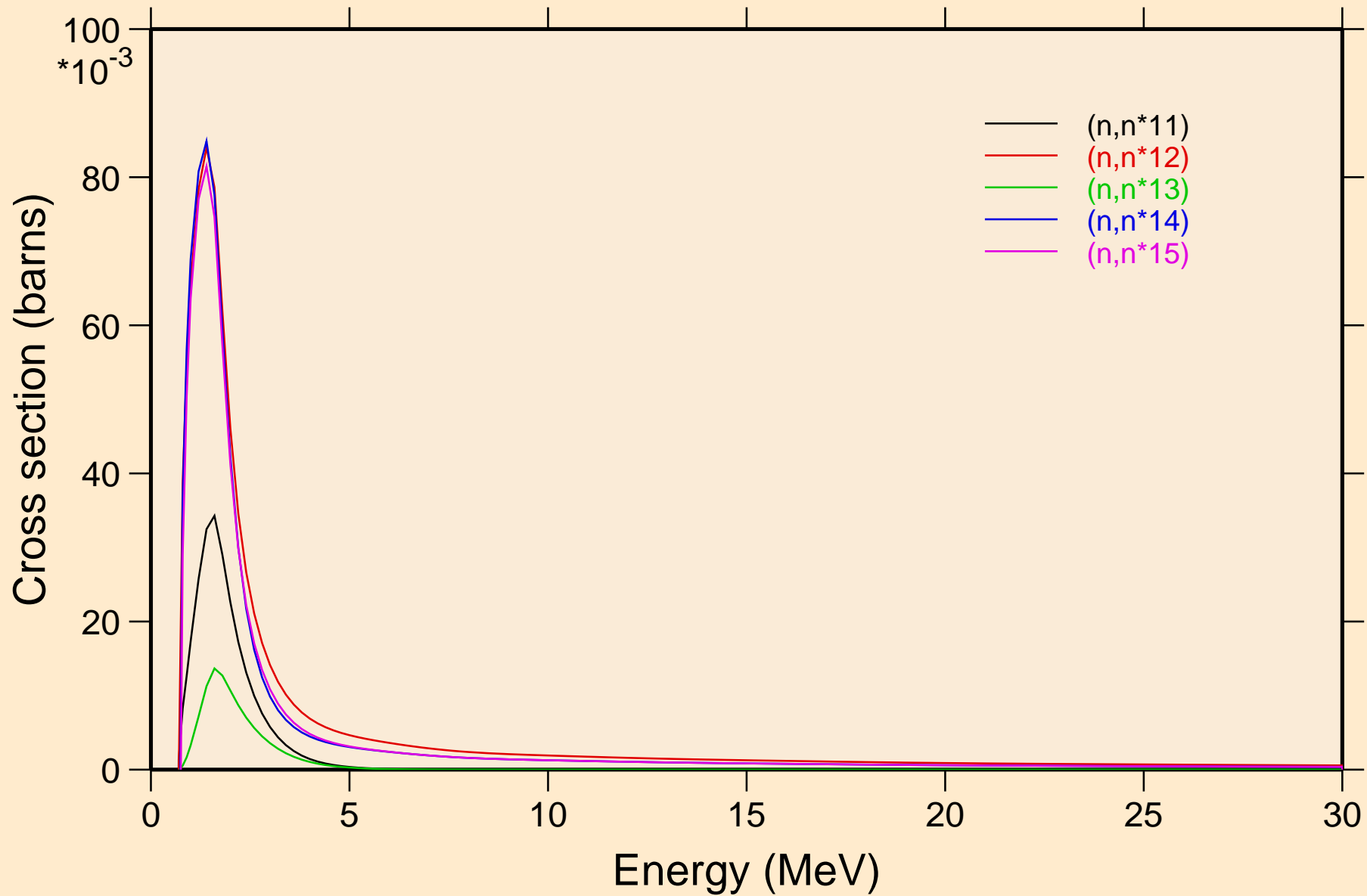
# HG199 NRG TENDL-2015, AKONING

## Inelastic levels



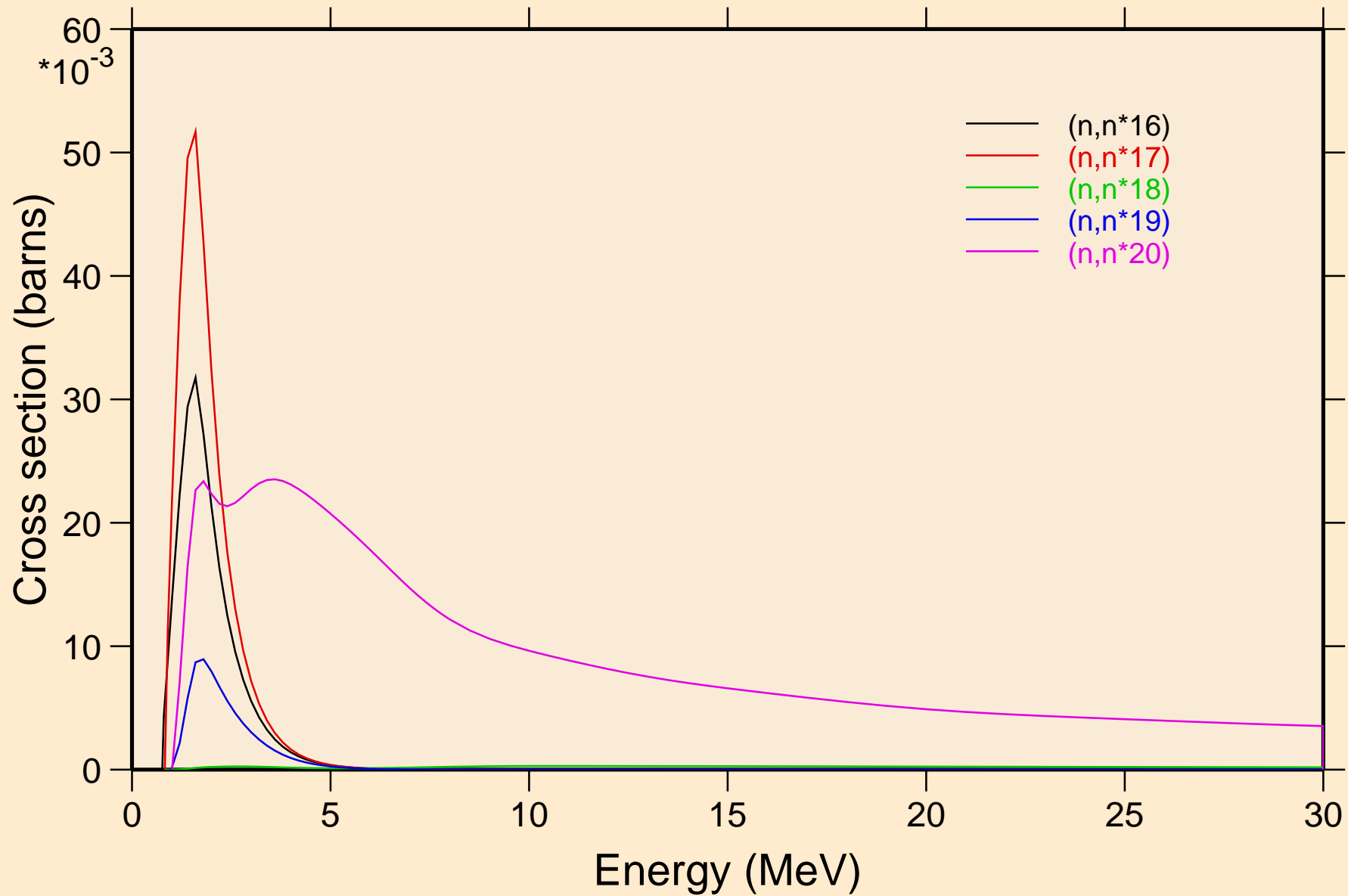
# HG199 NRG TENDL-2015, AKONING

## Inelastic levels



# HG199 NRG TENDL-2015, AKONING

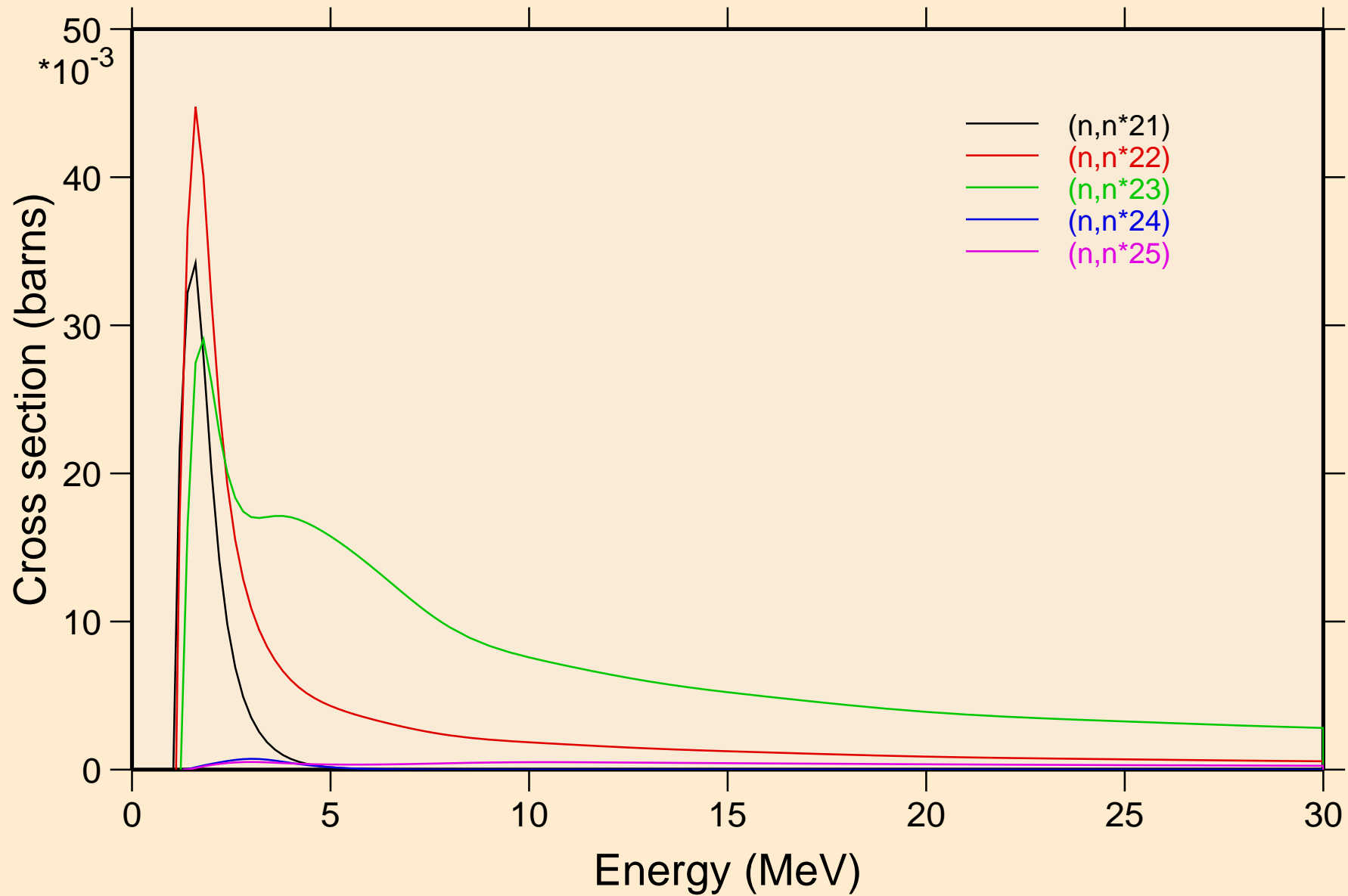
## Inelastic levels





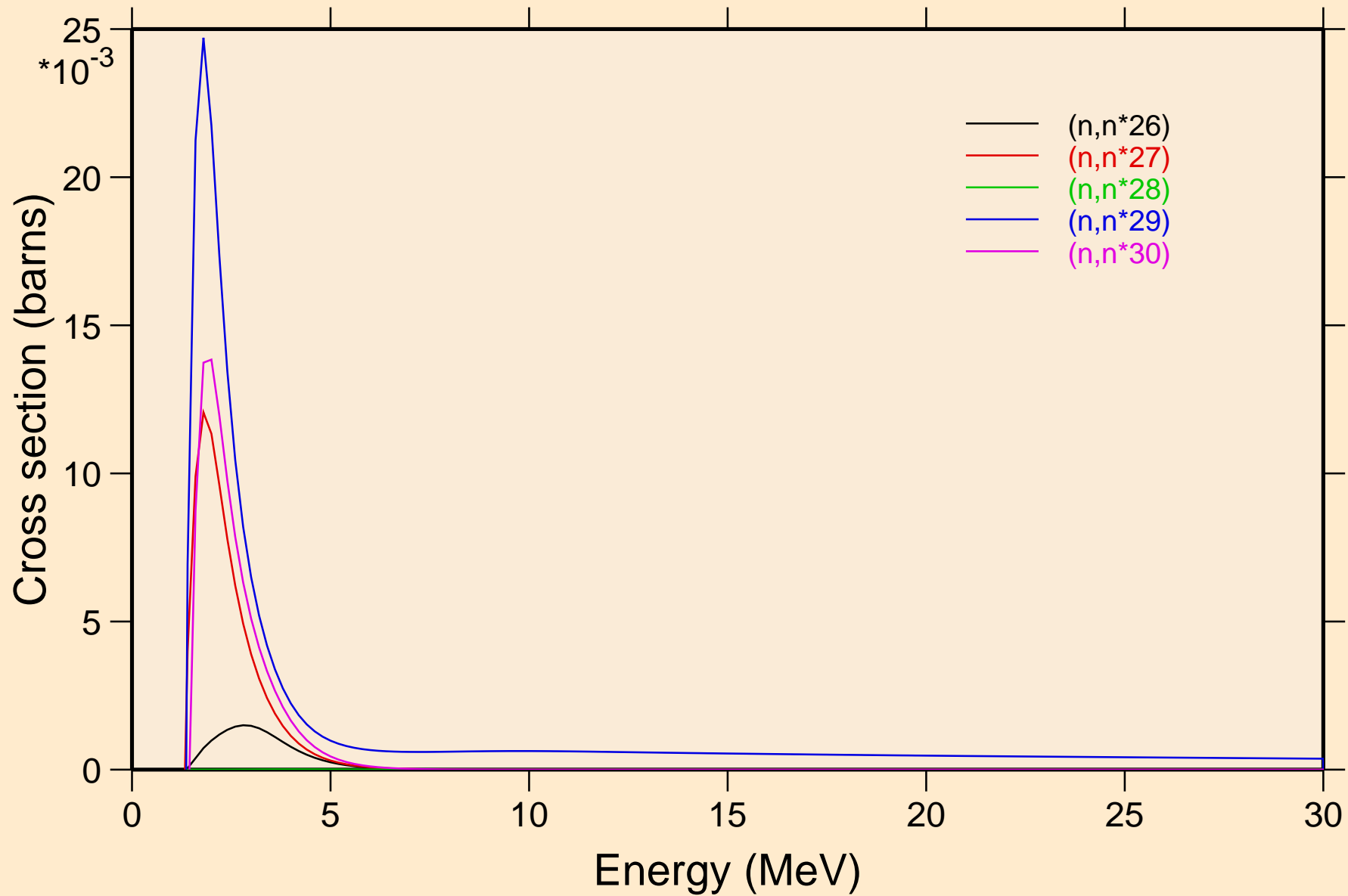
# HG199 NRG TENDL-2015, AKONING

## Inelastic levels



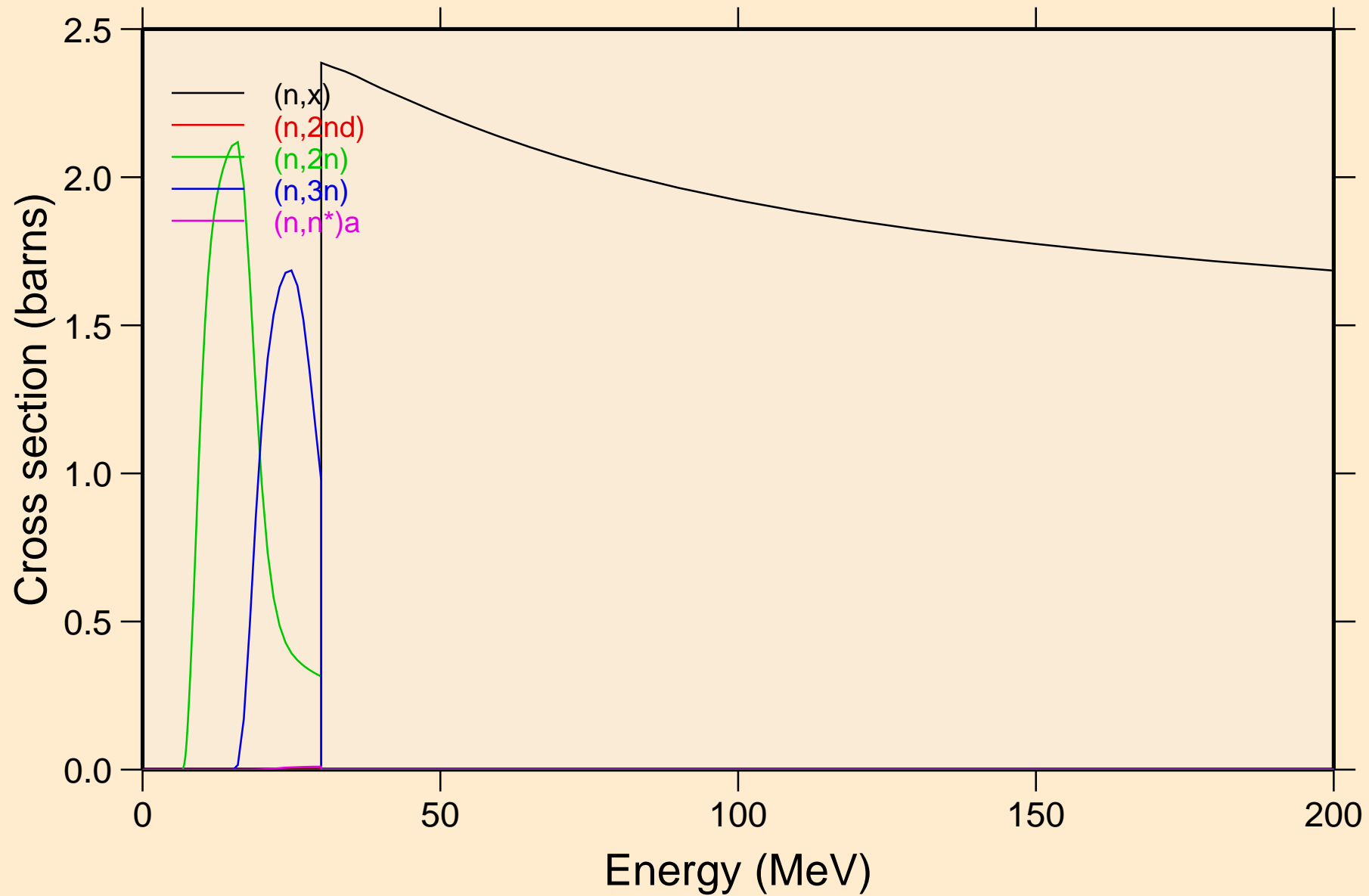
# HG199 NRG TENDL-2015, AKONING

## Inelastic levels



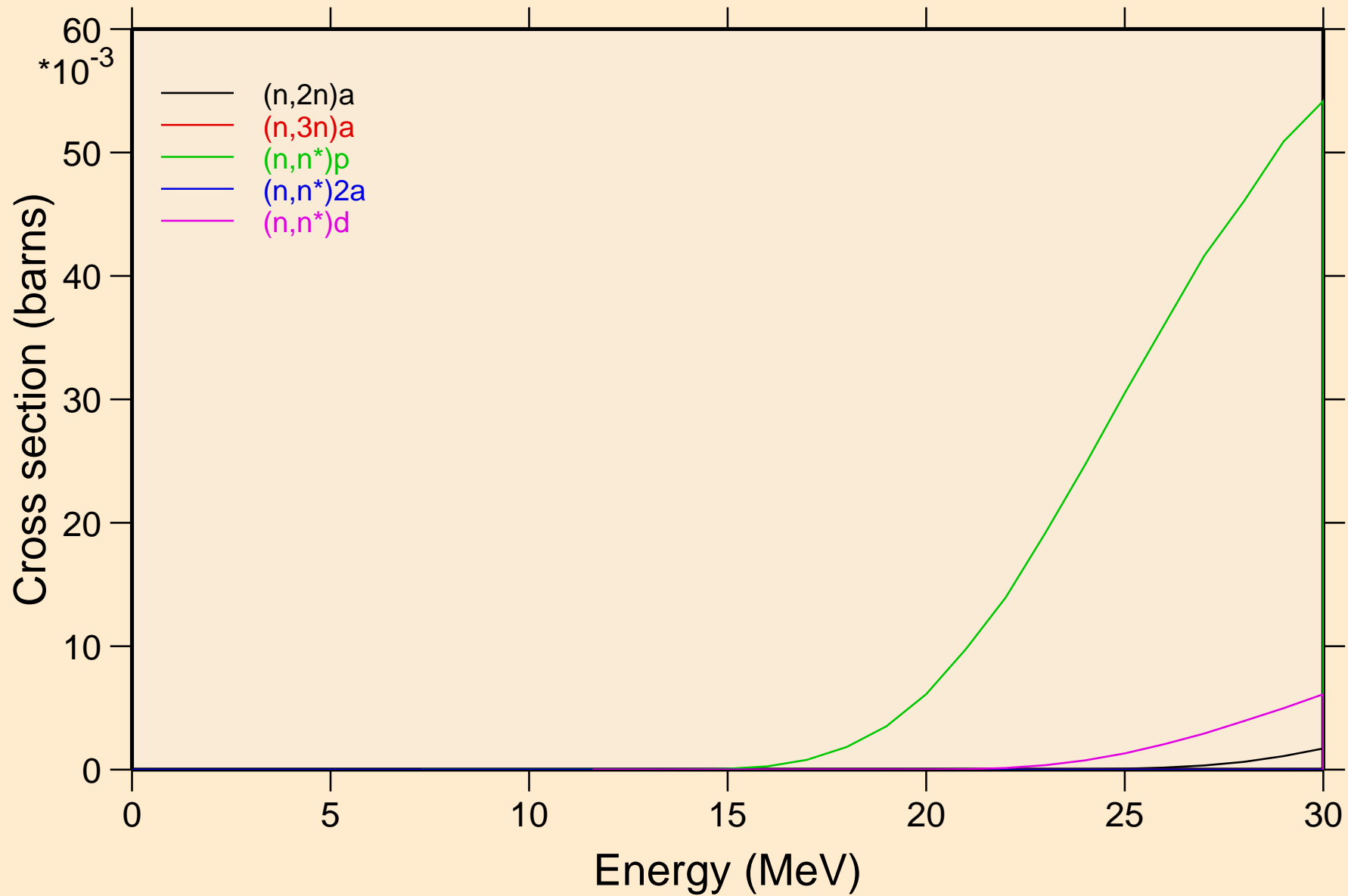
# HG199 NRG TENDL-2015, AKONING

## Threshold reactions



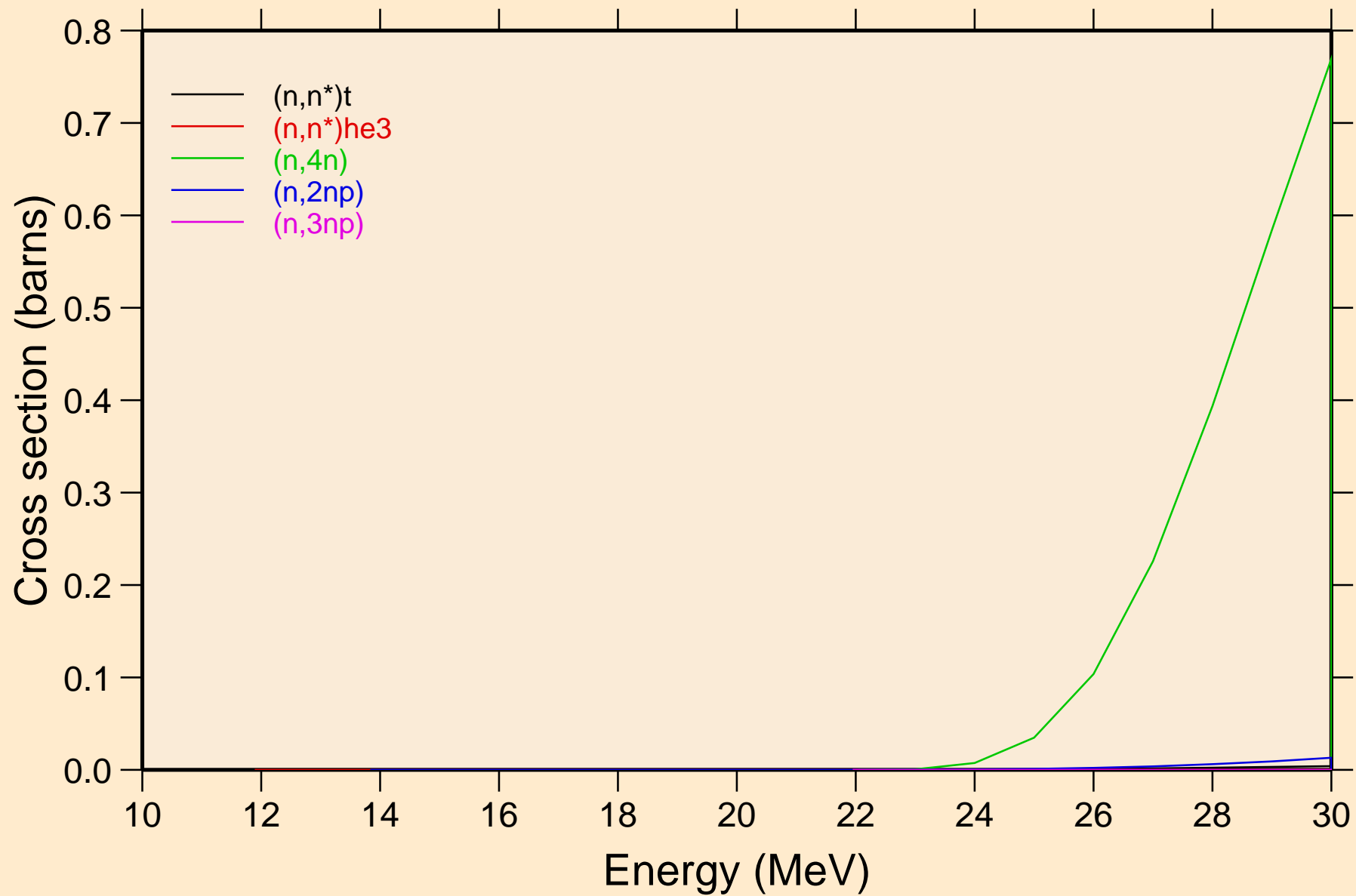
# HG199 NRG TENDL-2015, AKONING

## Threshold reactions



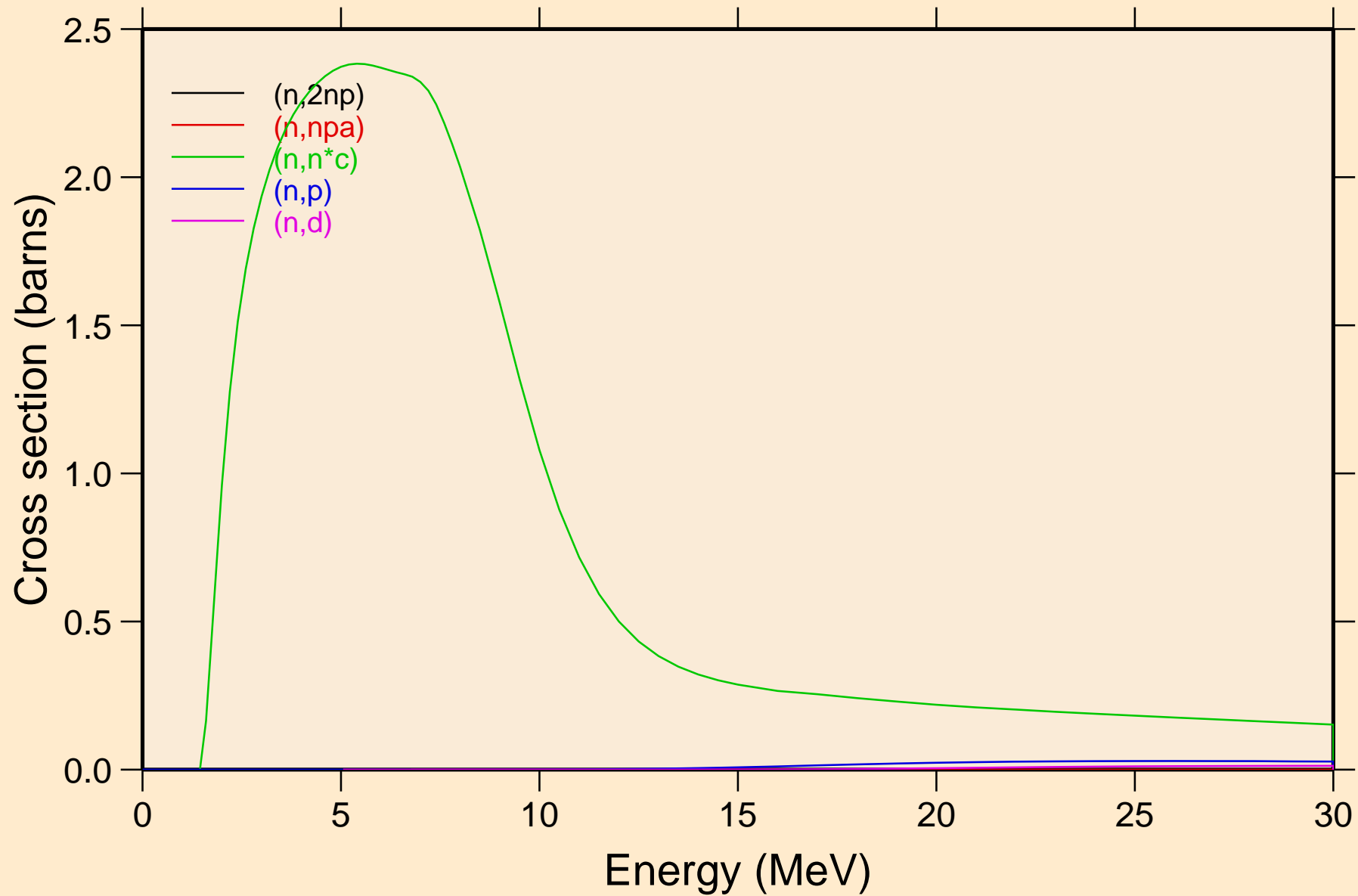
# HG199 NRG TENDL-2015, AKONING

## Threshold reactions



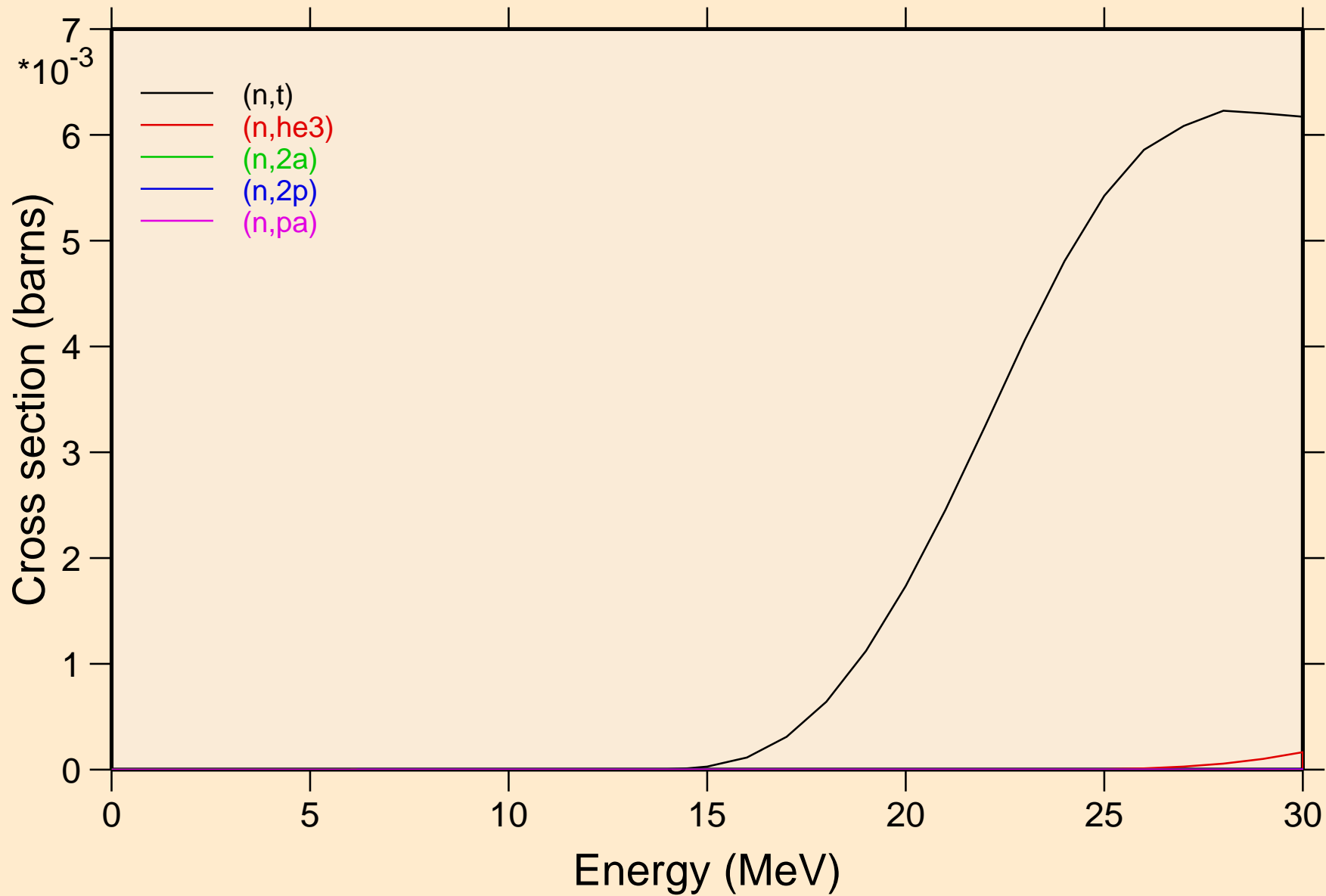
# HG199 NRG TENDL-2015, AKONING

## Threshold reactions



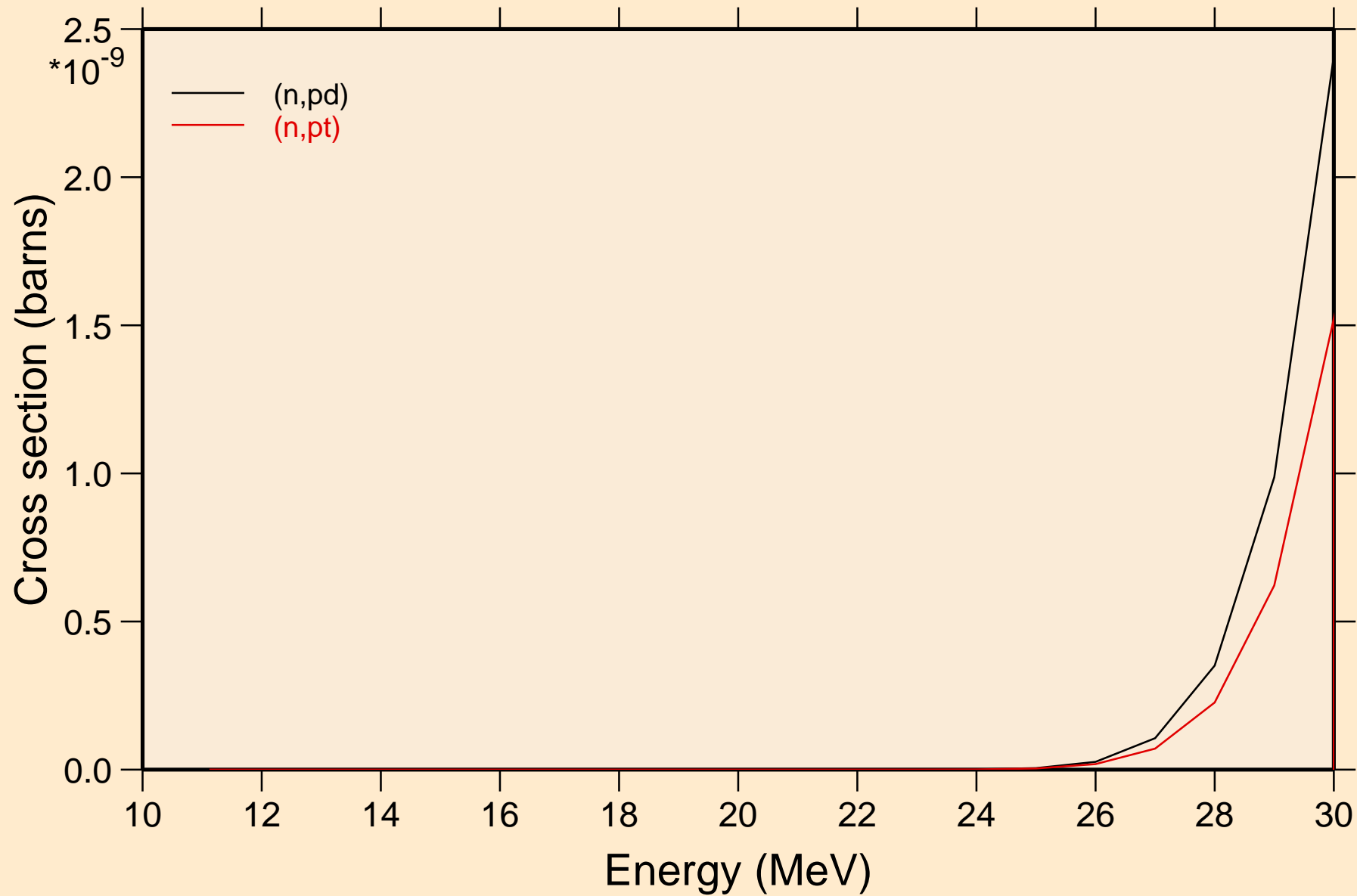
# HG199 NRG TENDL-2015, AKONING

## Threshold reactions



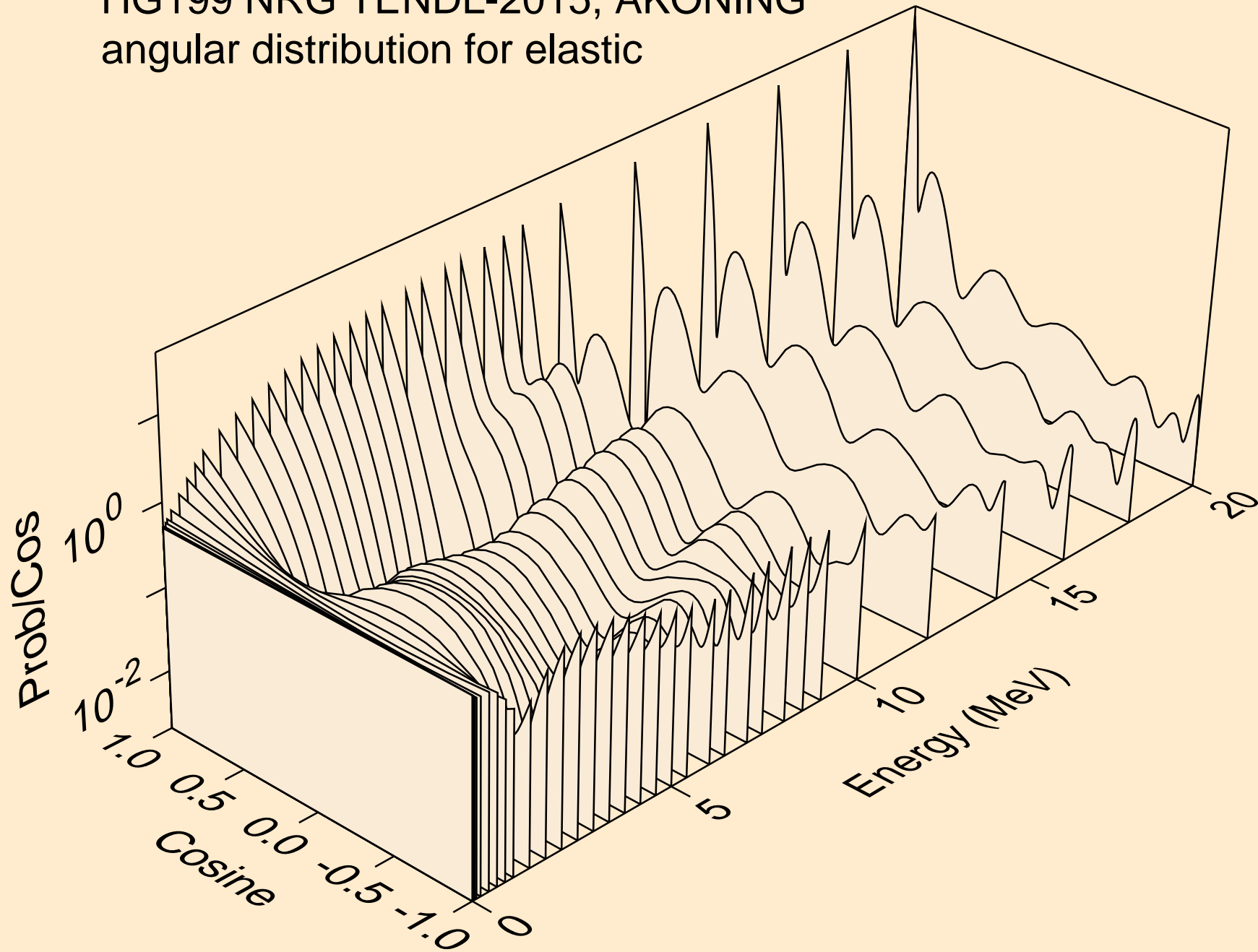
# HG199 NRG TENDL-2015, AKONING

## Threshold reactions

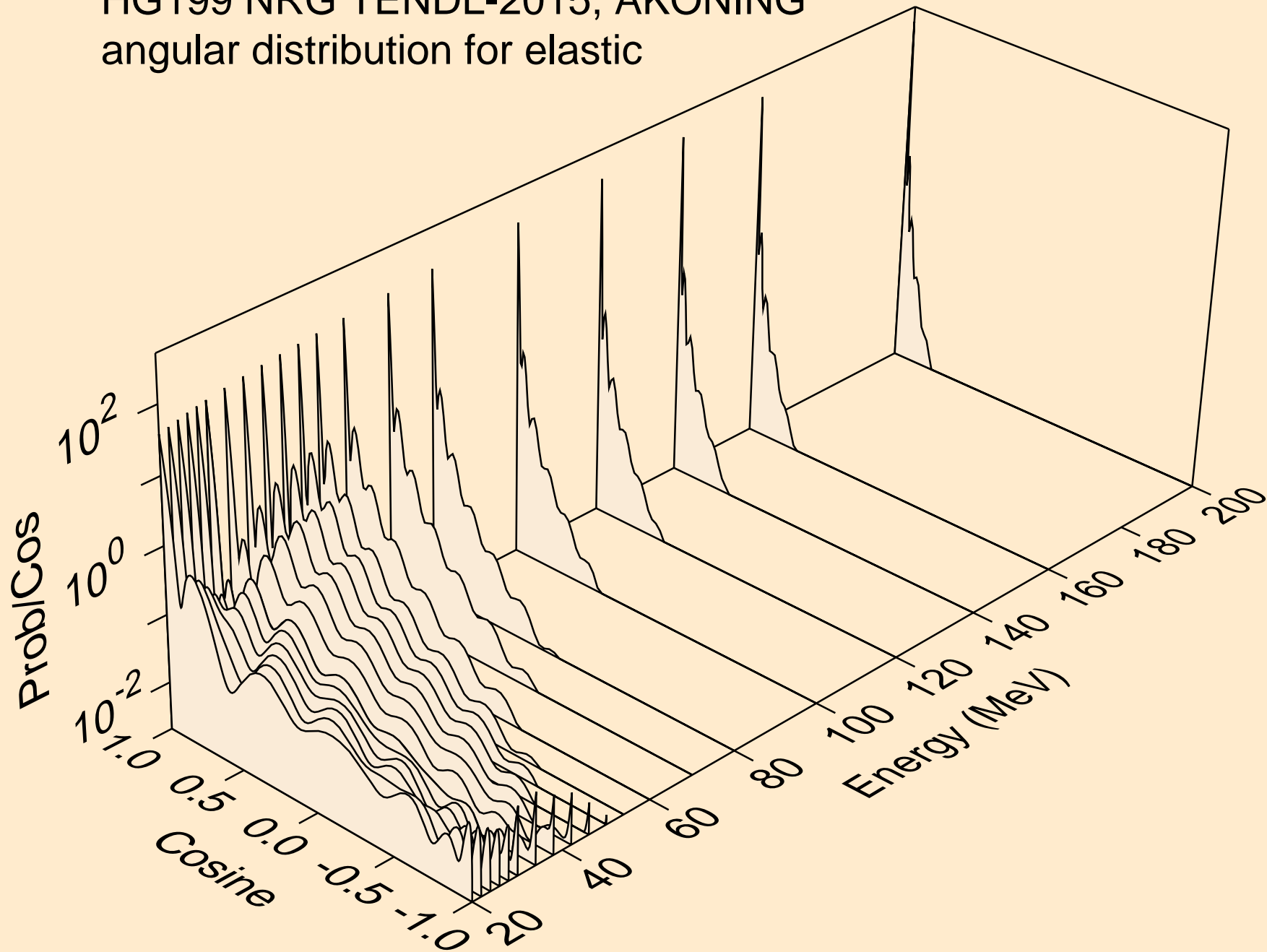




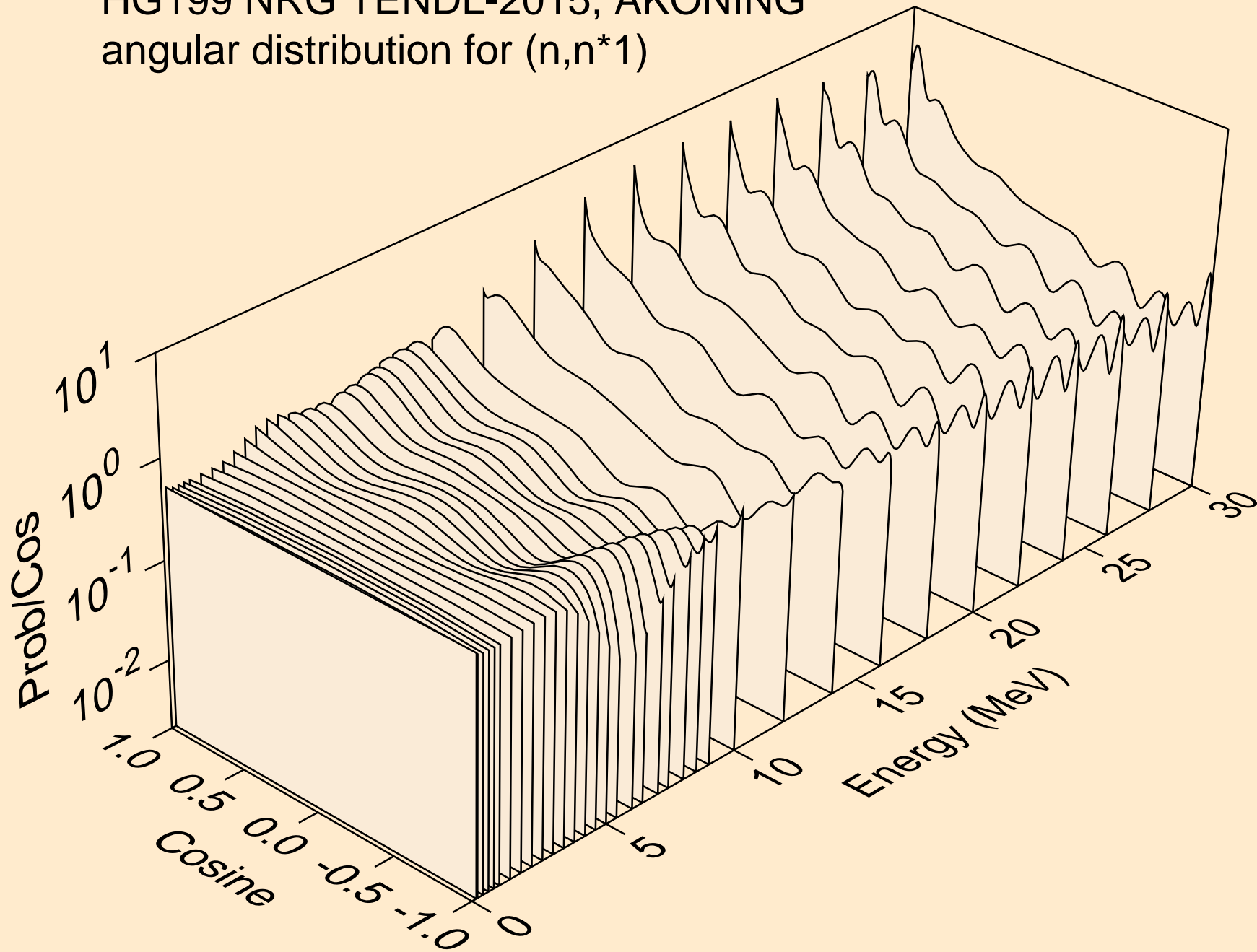
HG199 NRG TENDL-2015, AKONING  
angular distribution for elastic



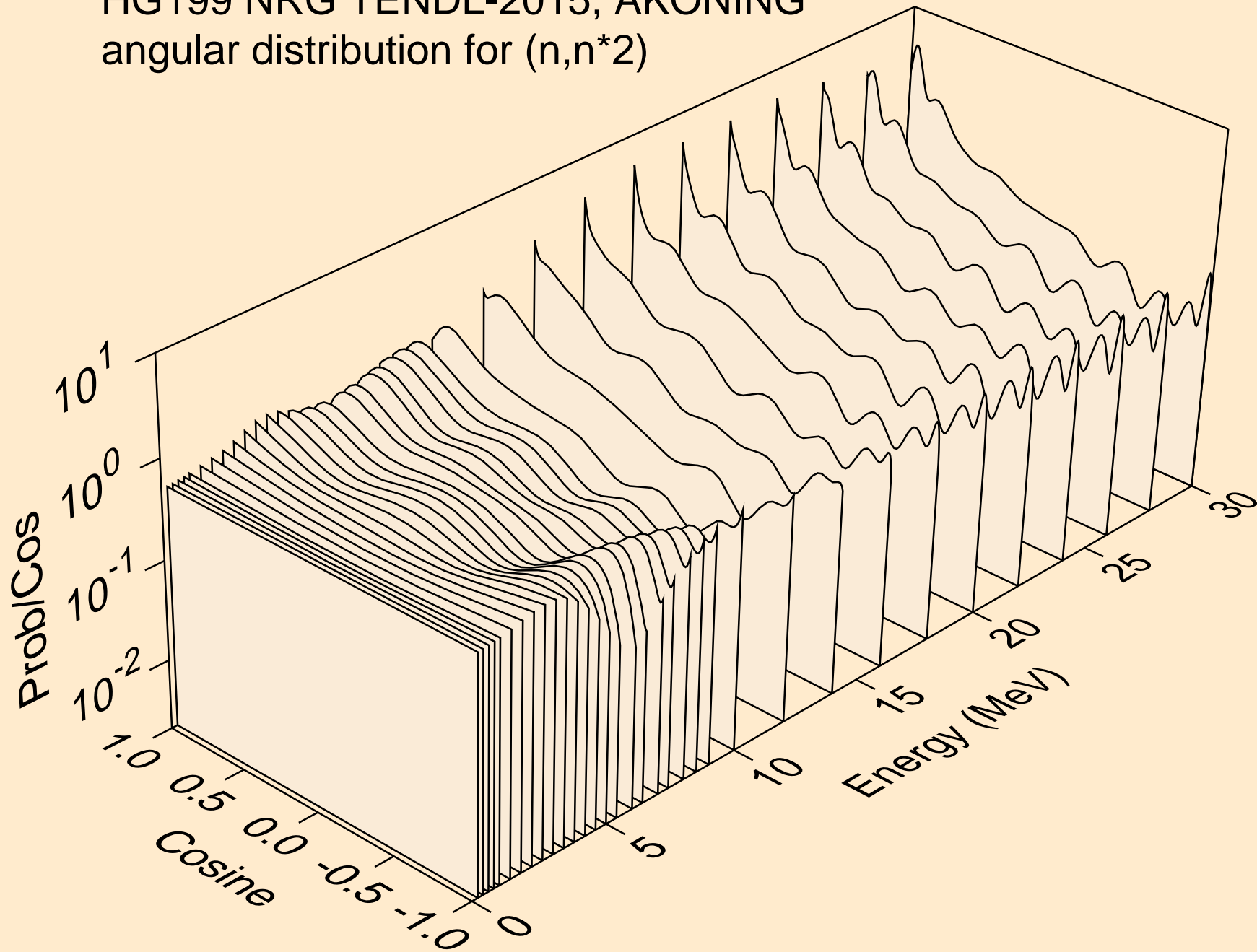
HG199 NRG TENDL-2015, AKONING  
angular distribution for elastic



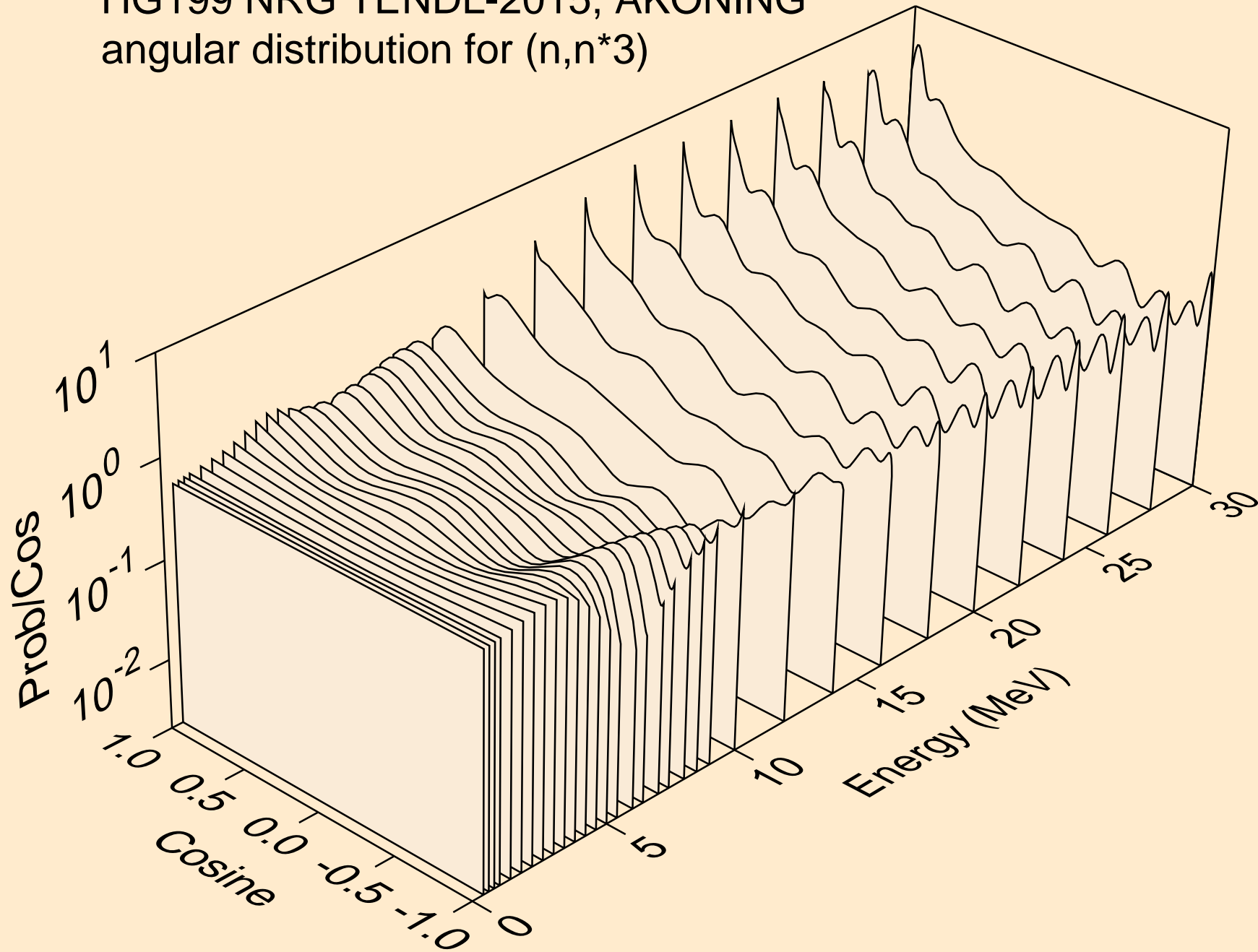
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



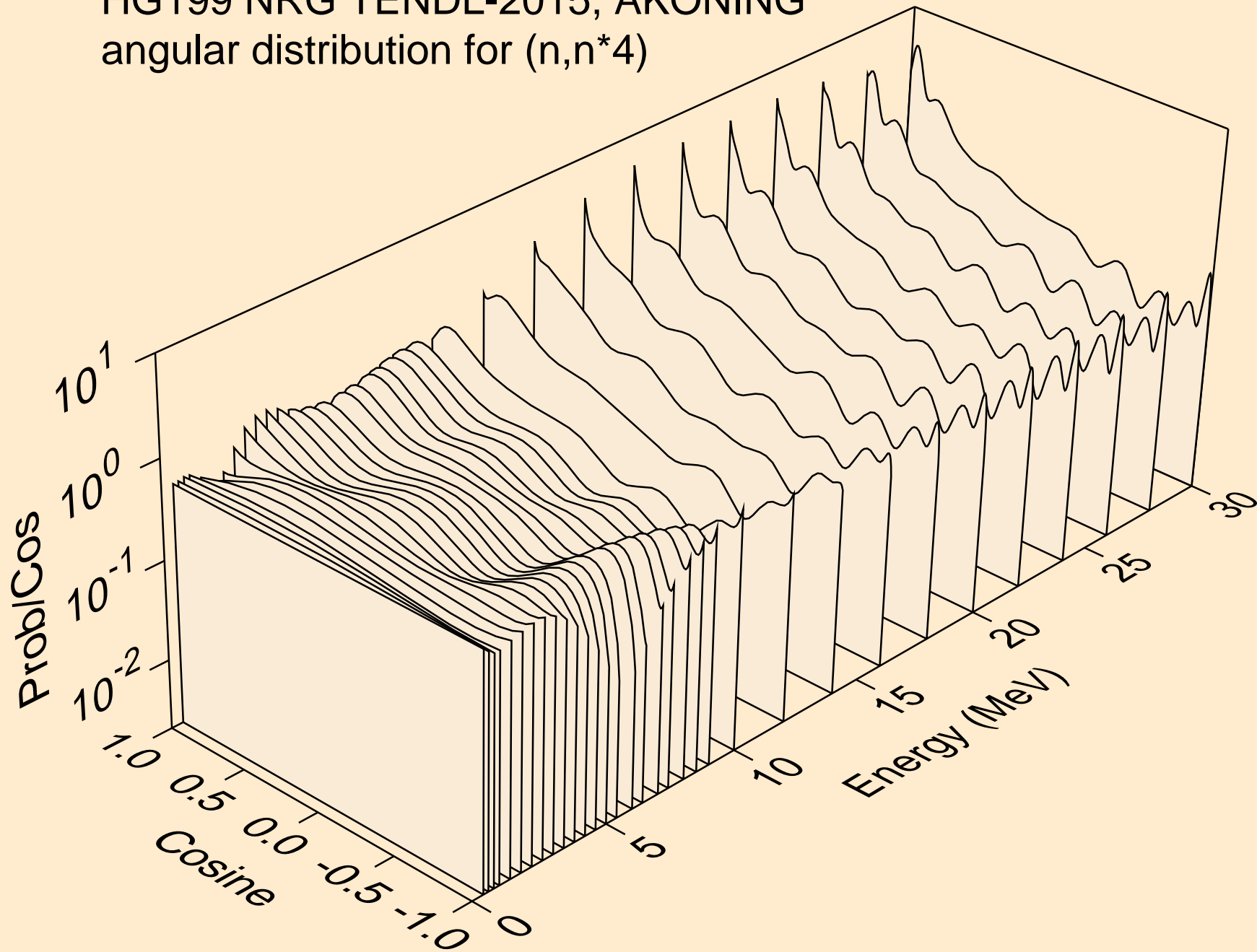
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



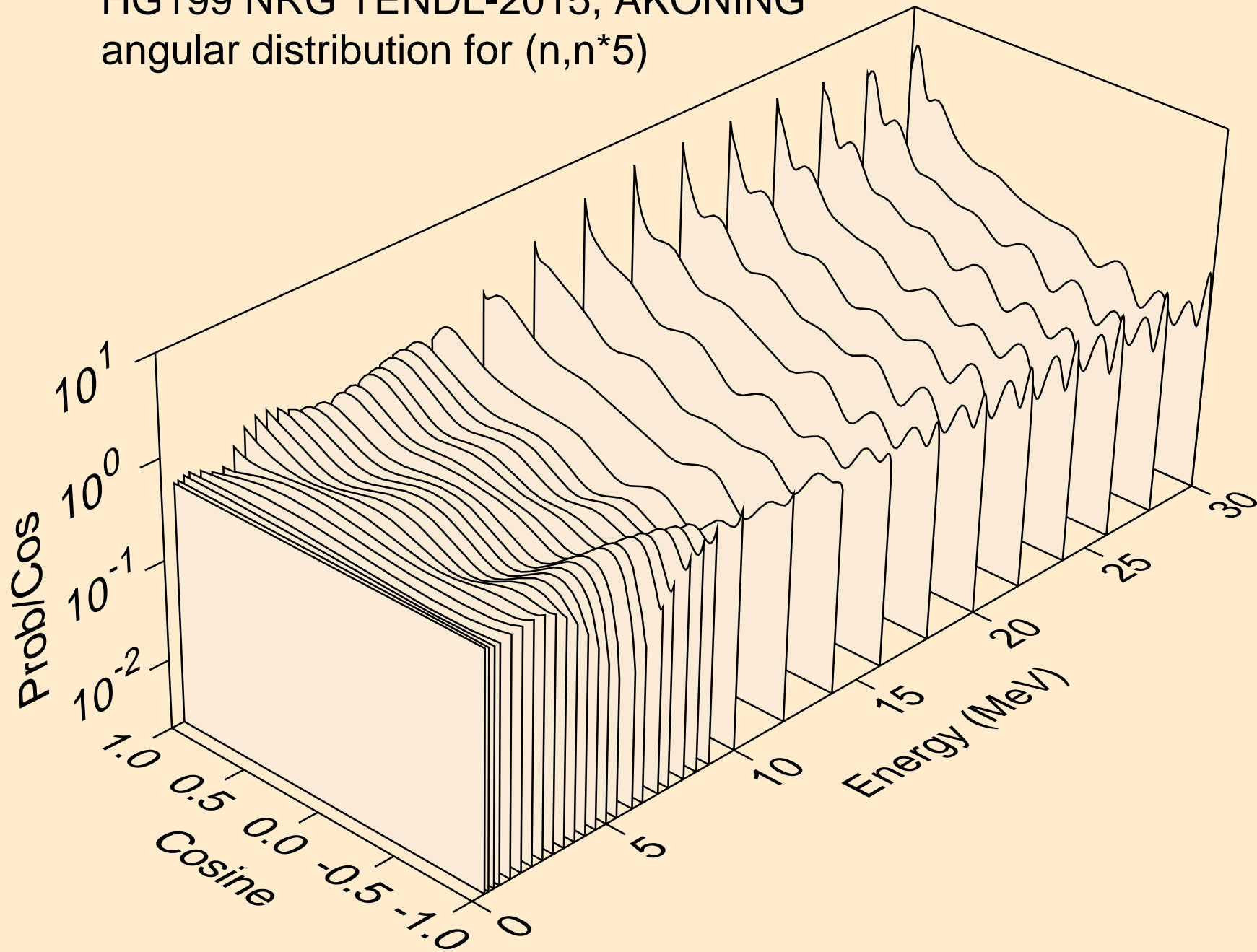
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



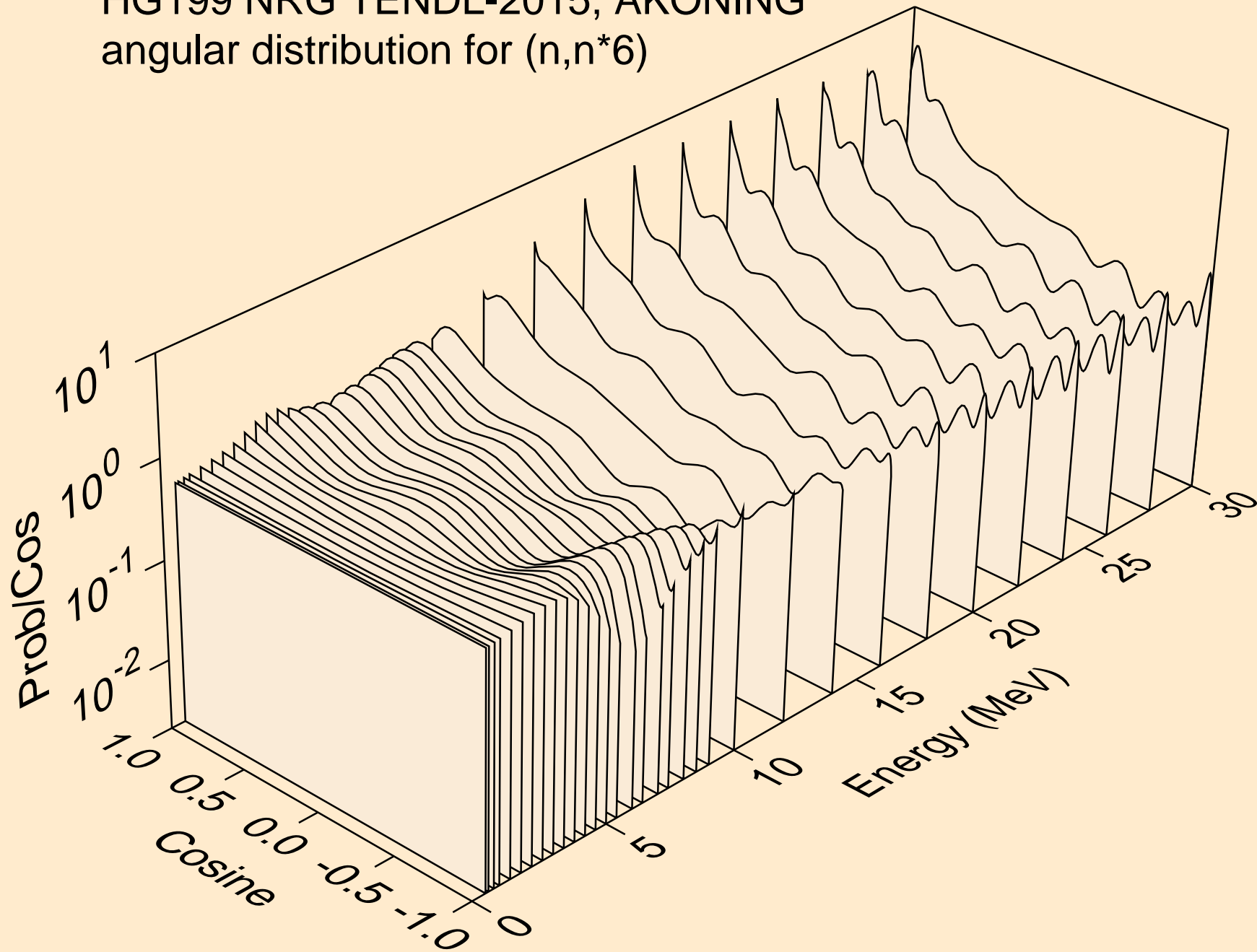
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

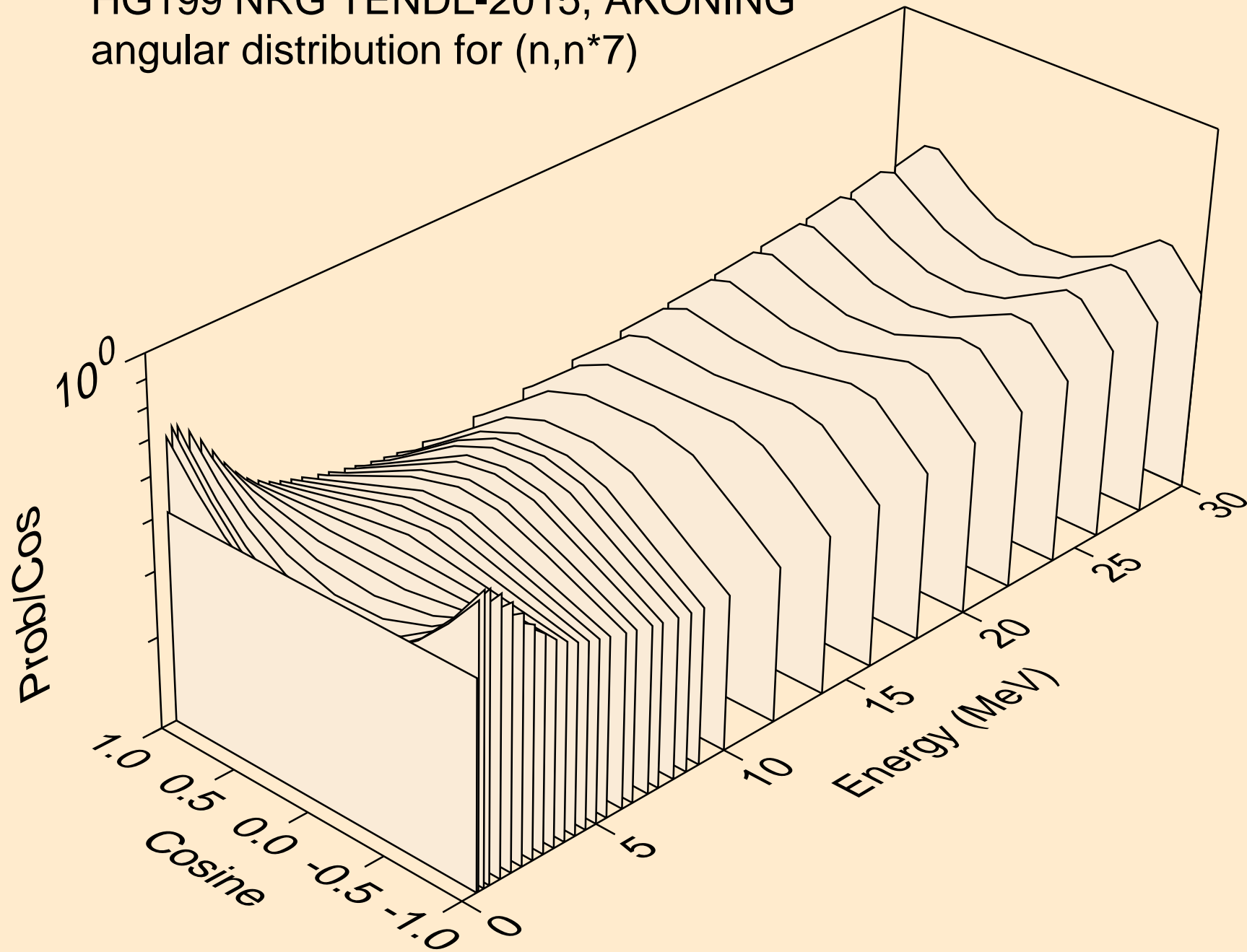


HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

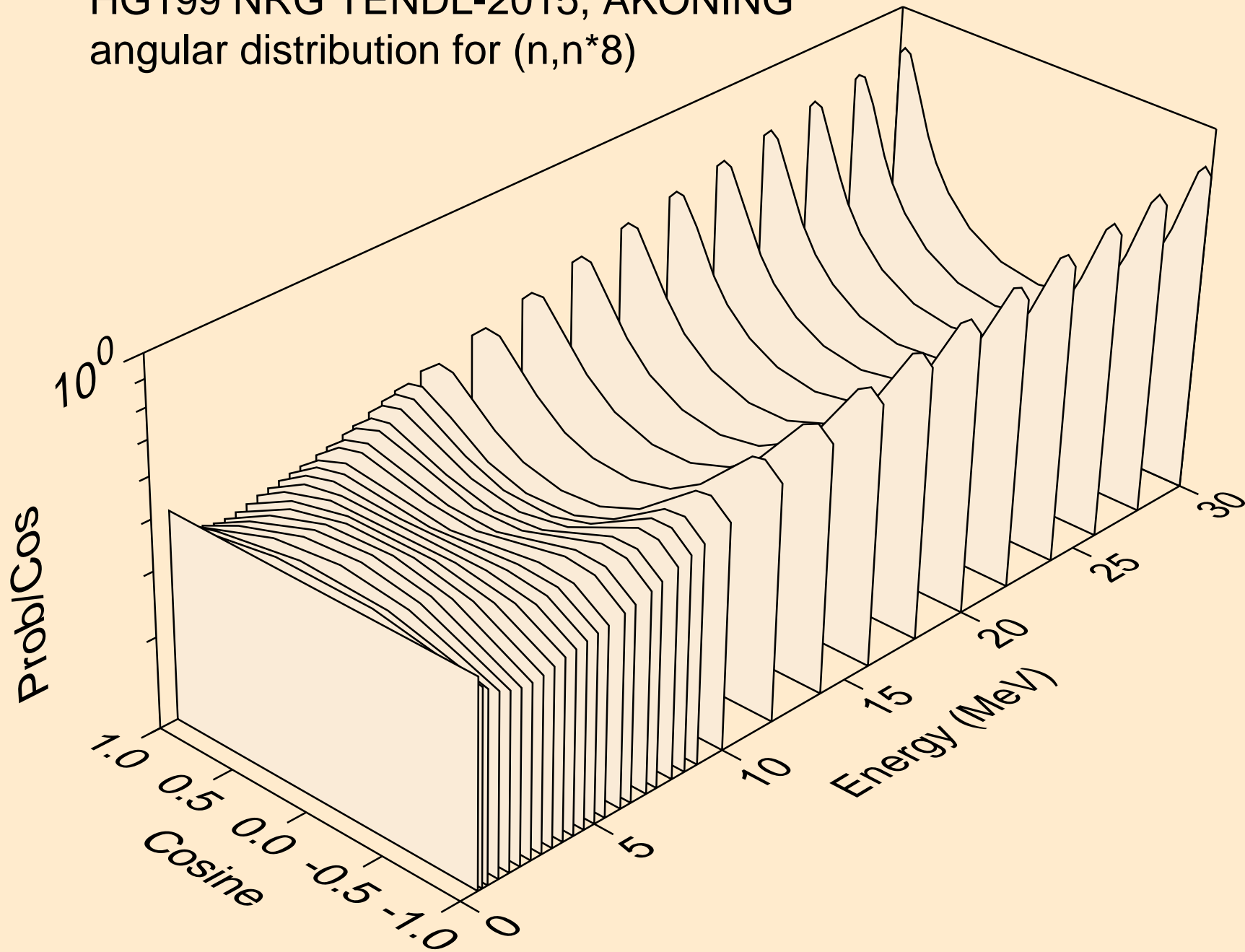




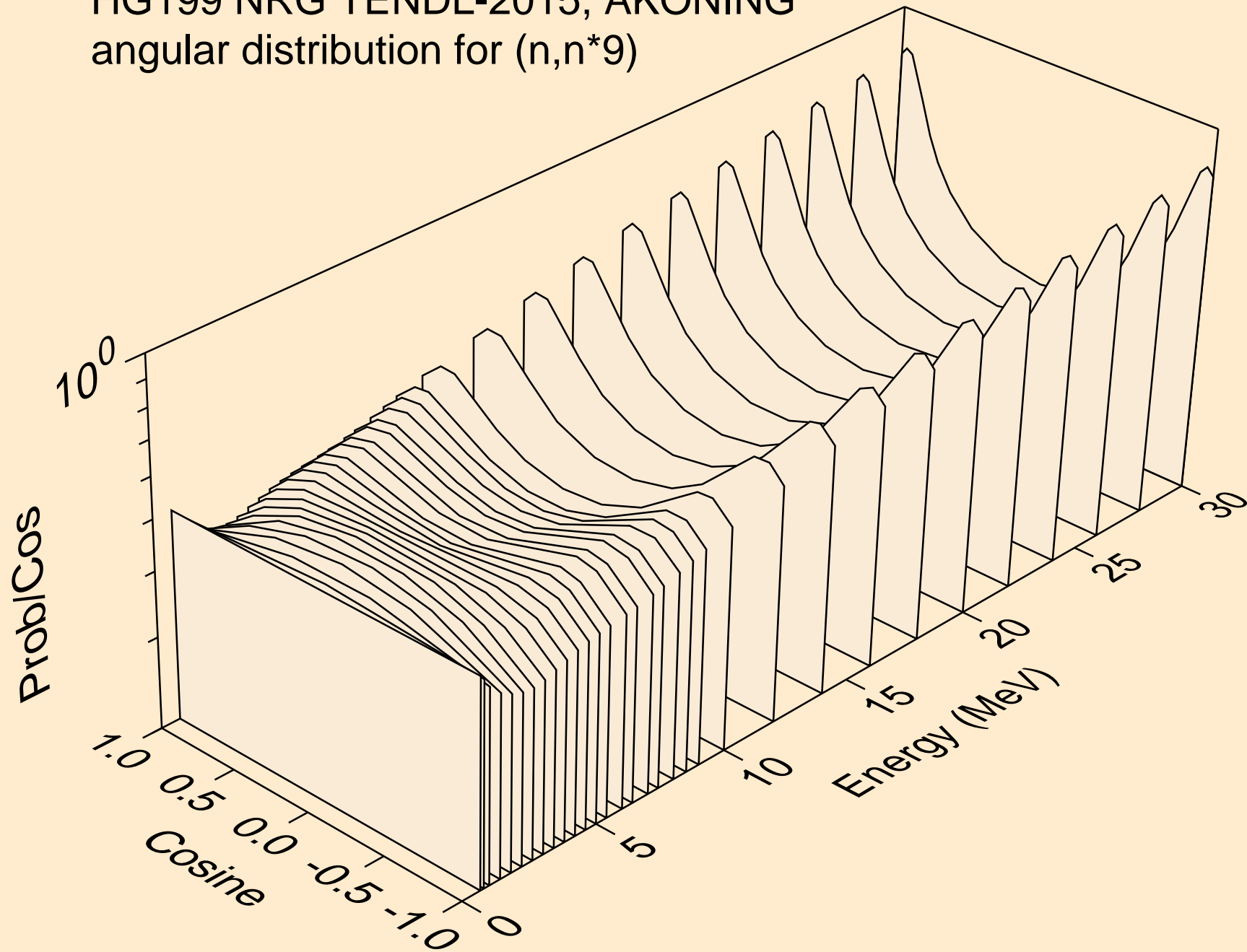
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



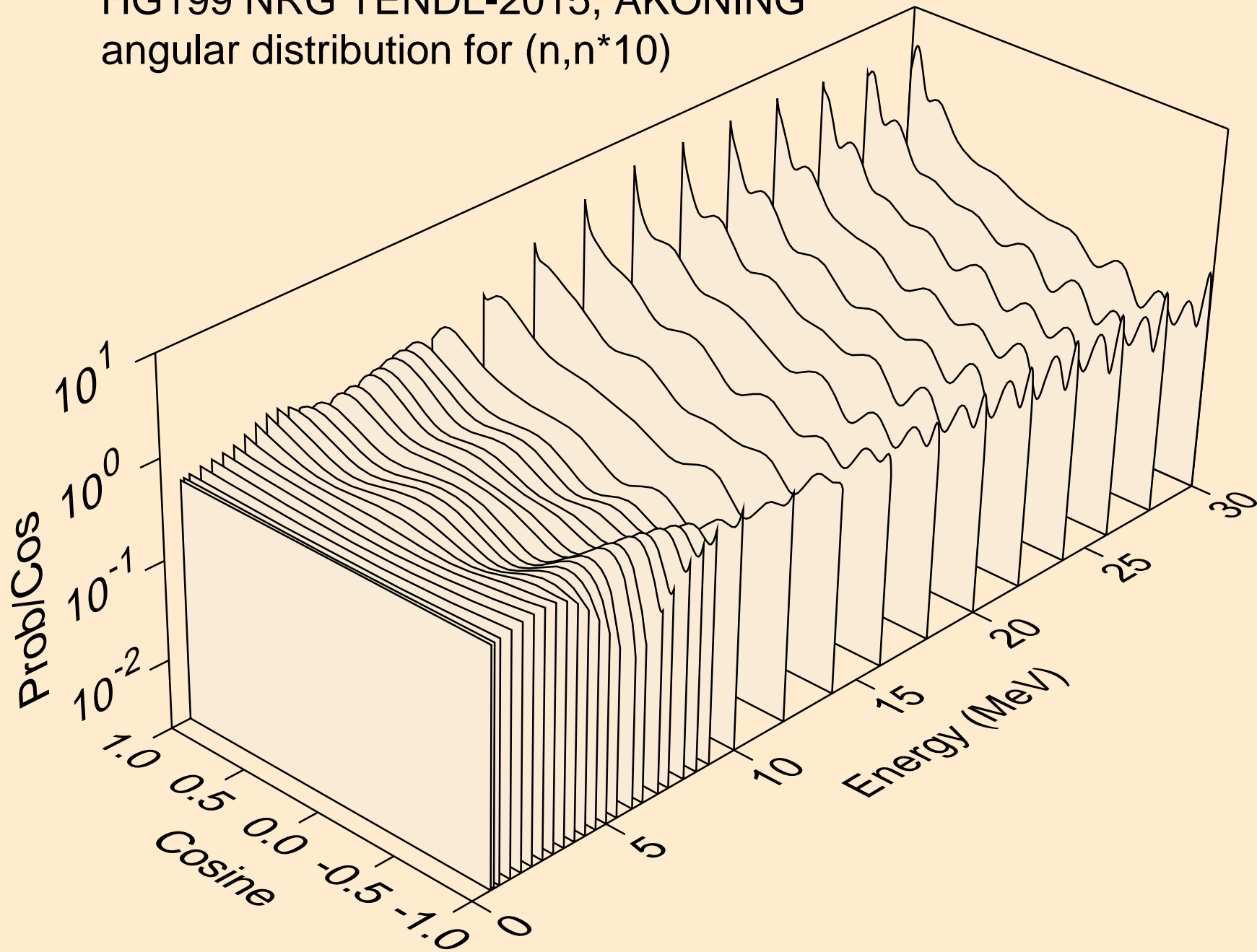
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



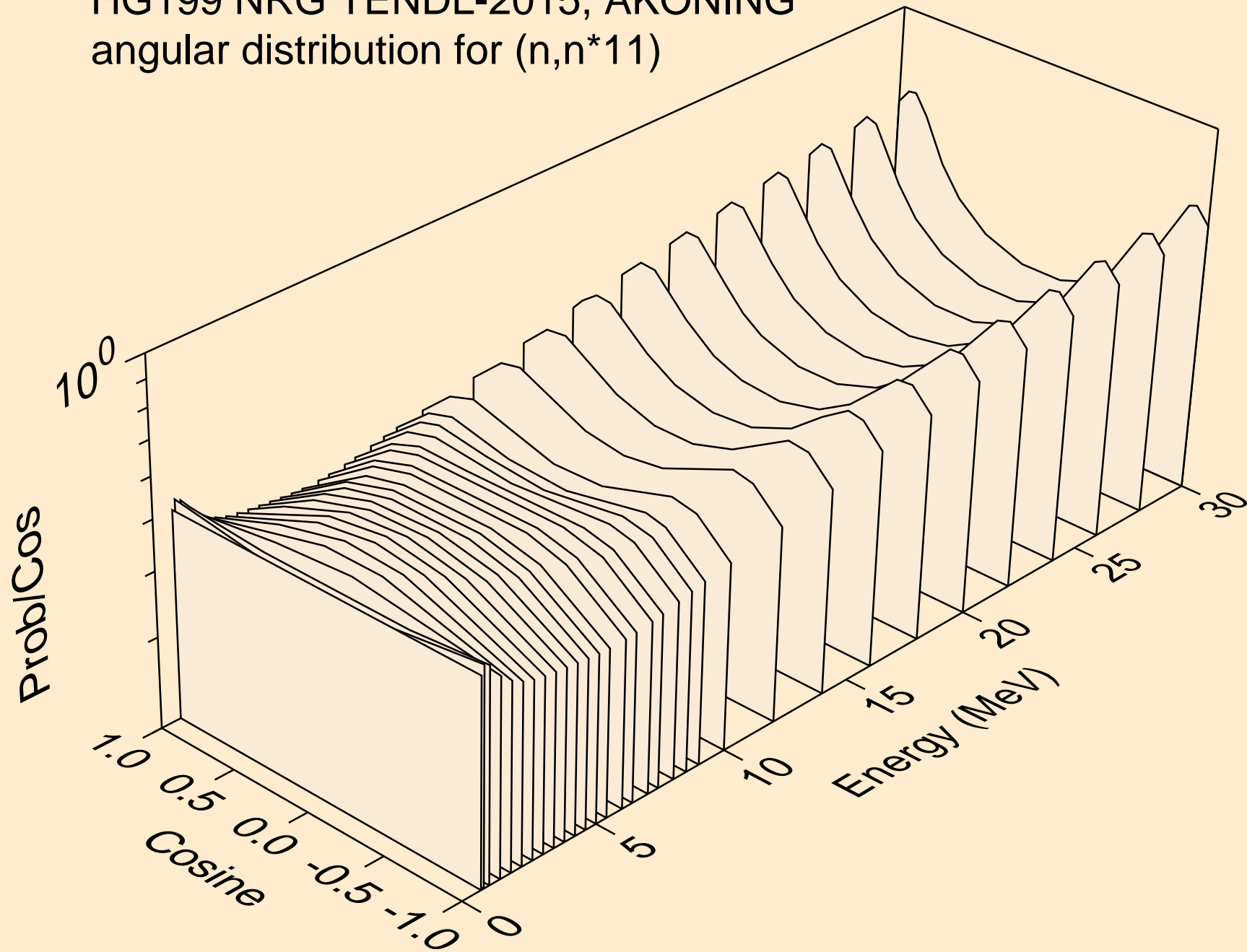
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



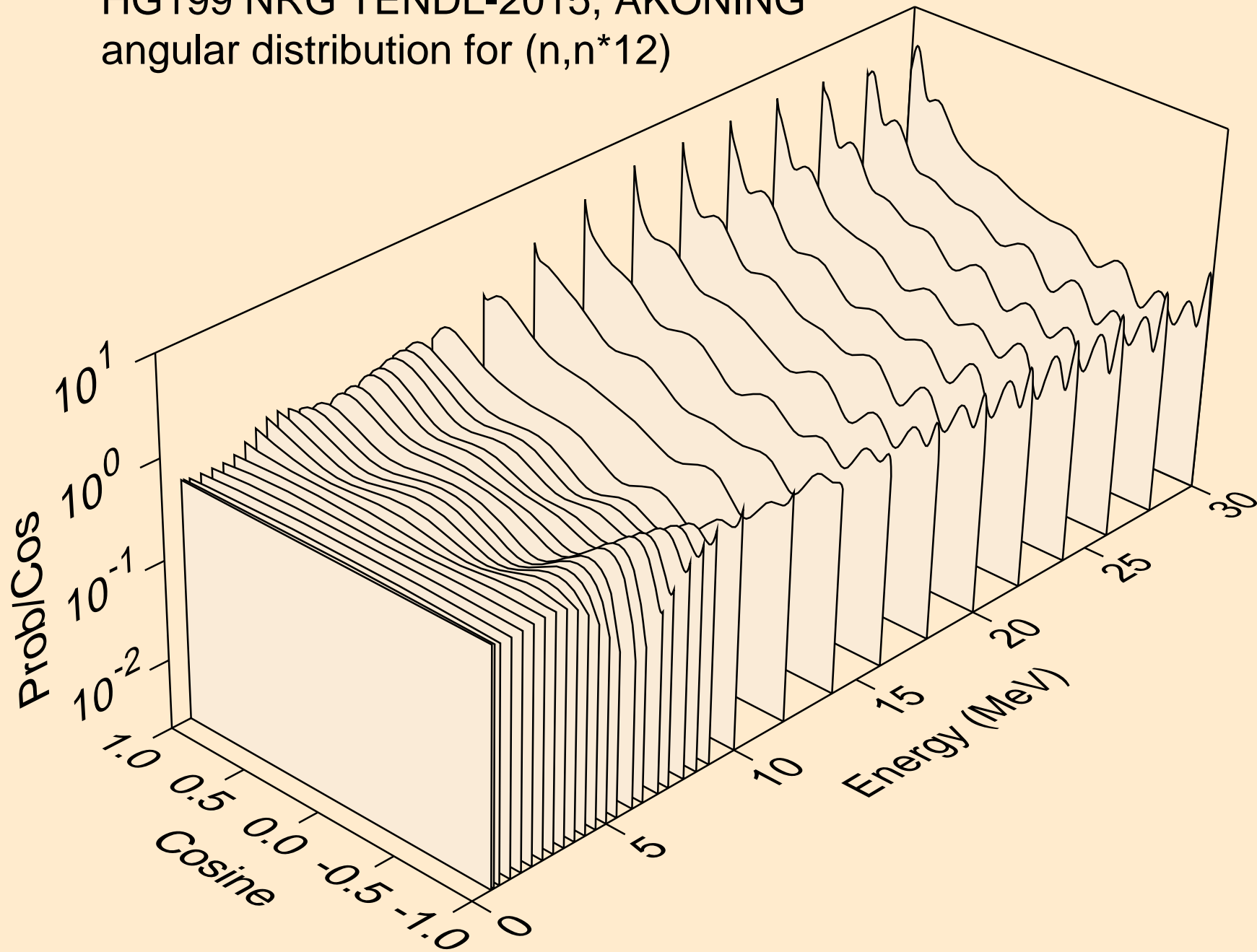
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



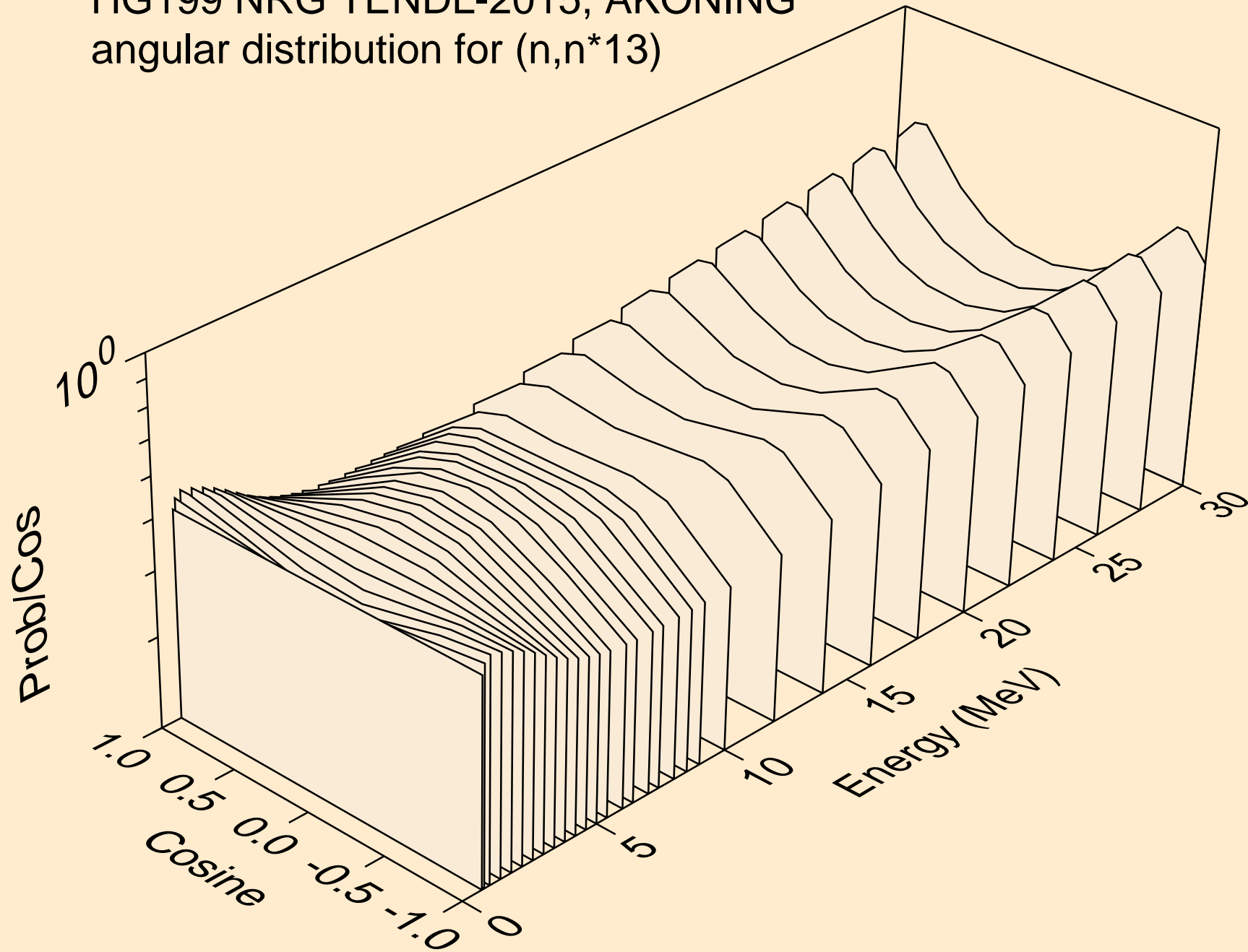
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



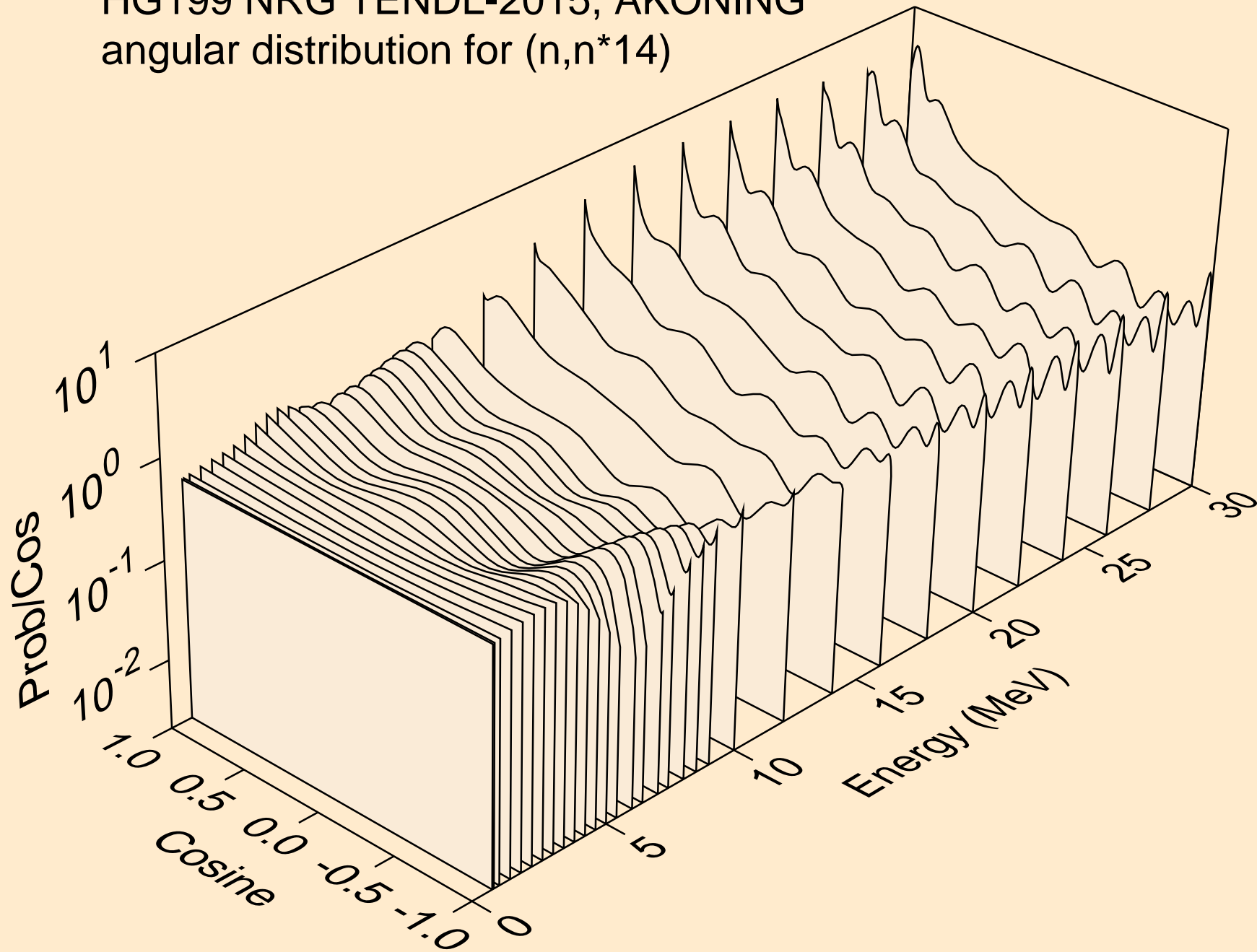
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

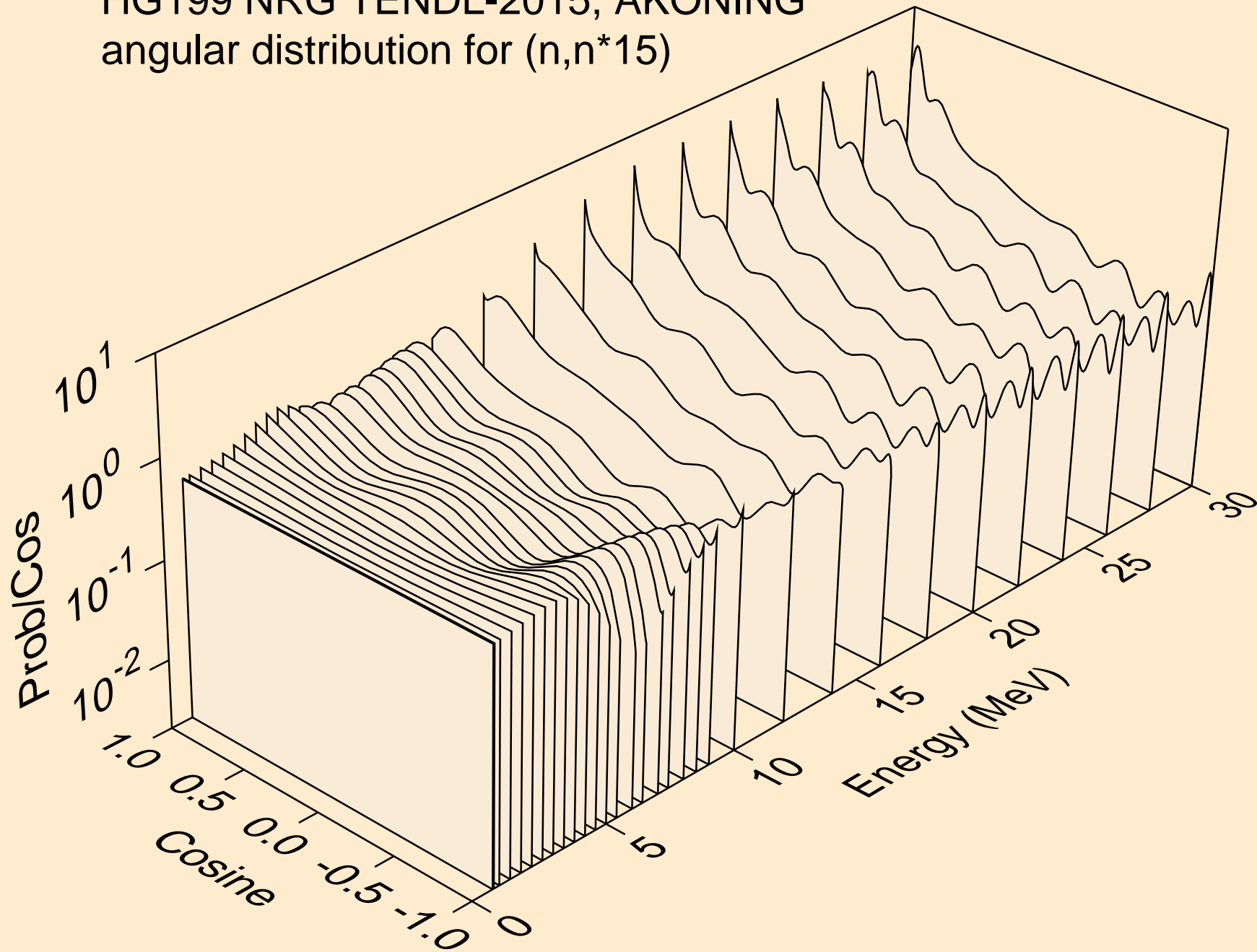


HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

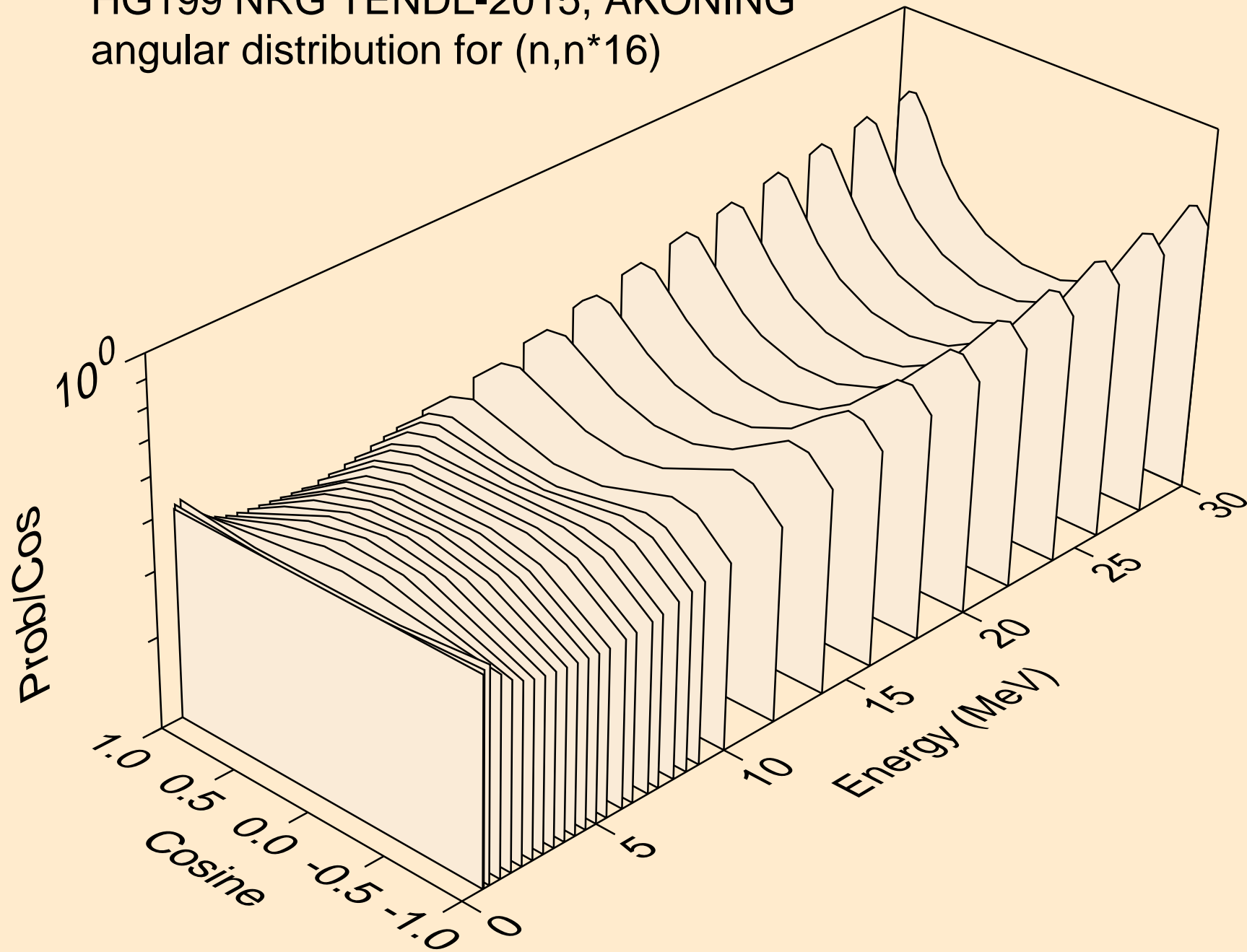




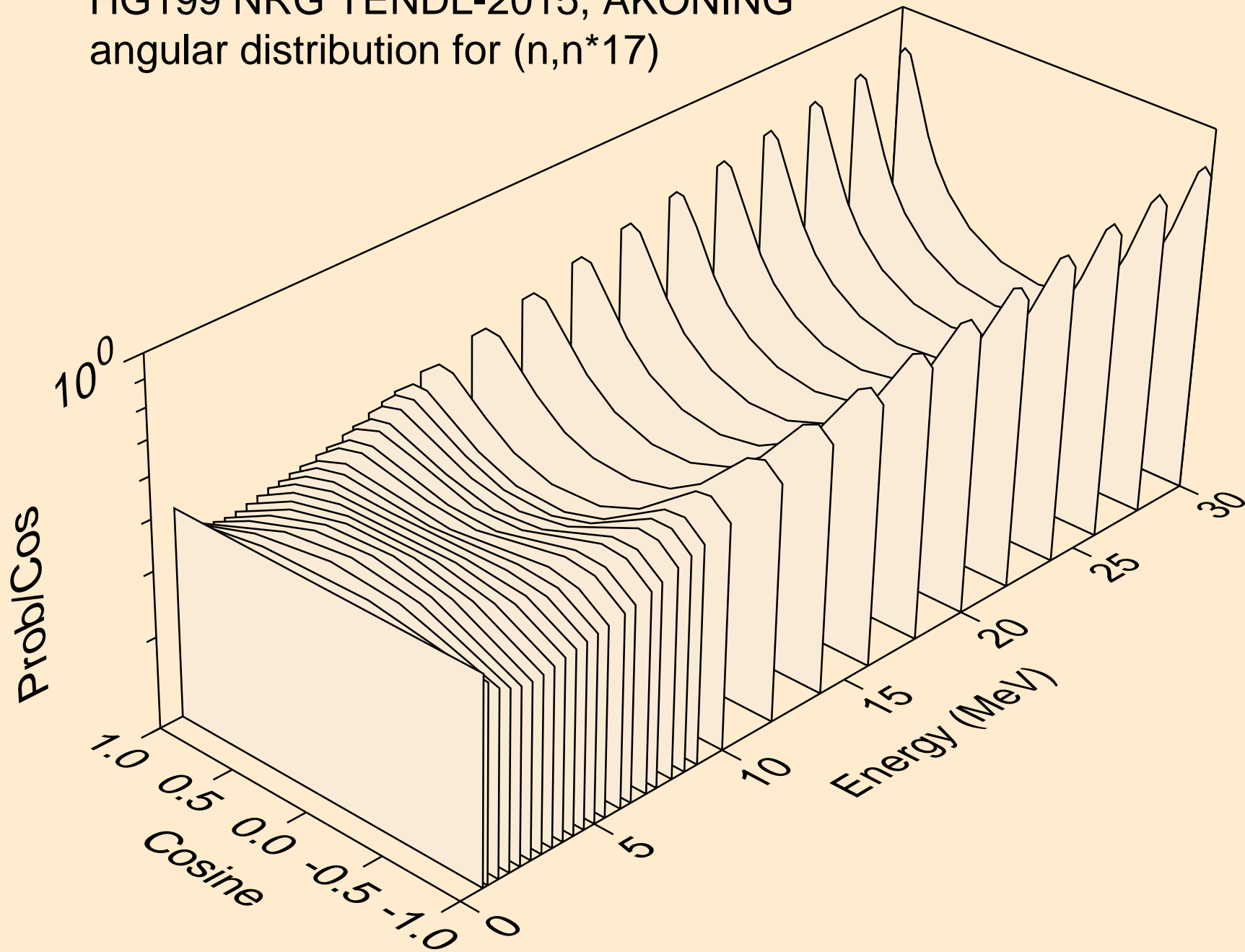
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



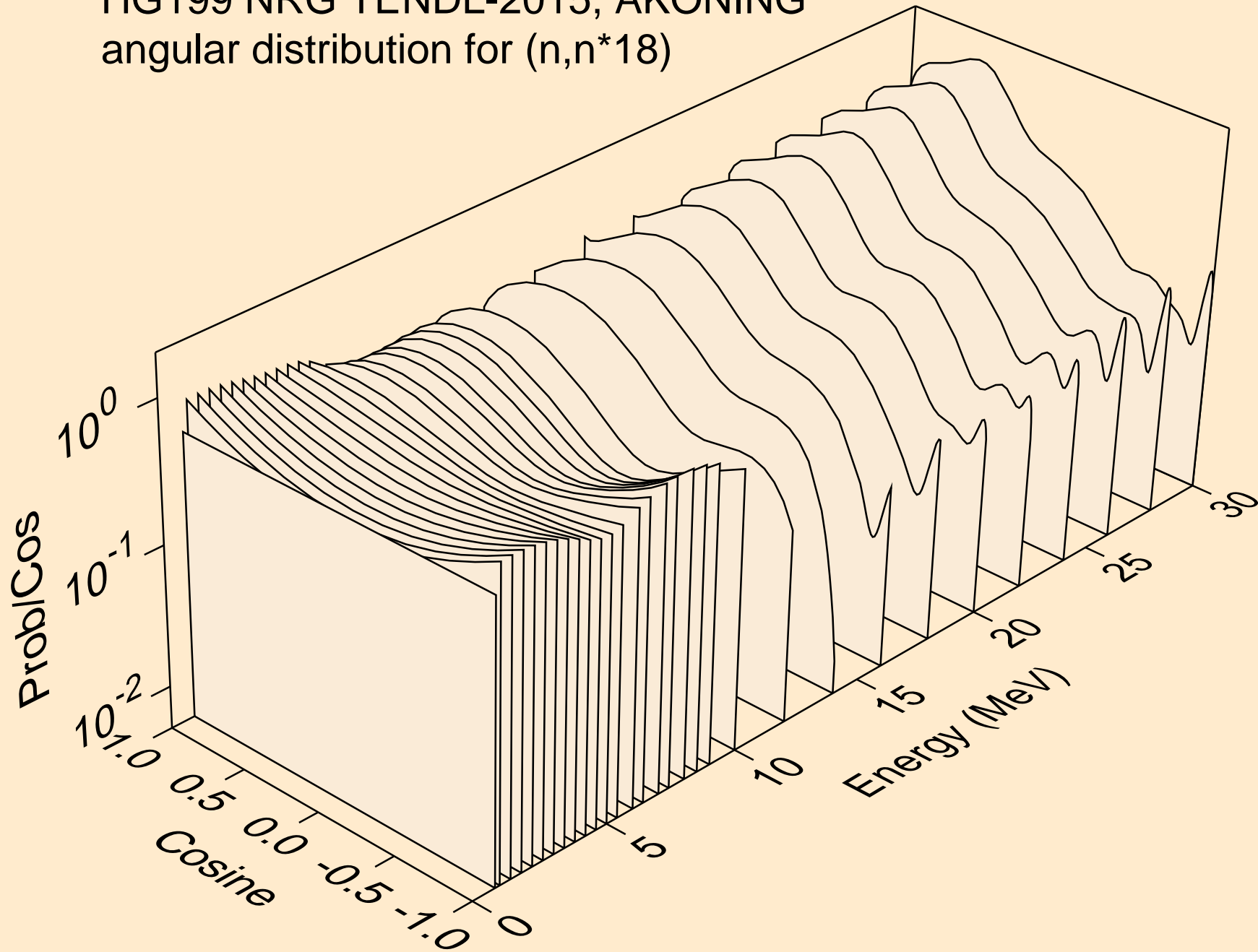
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



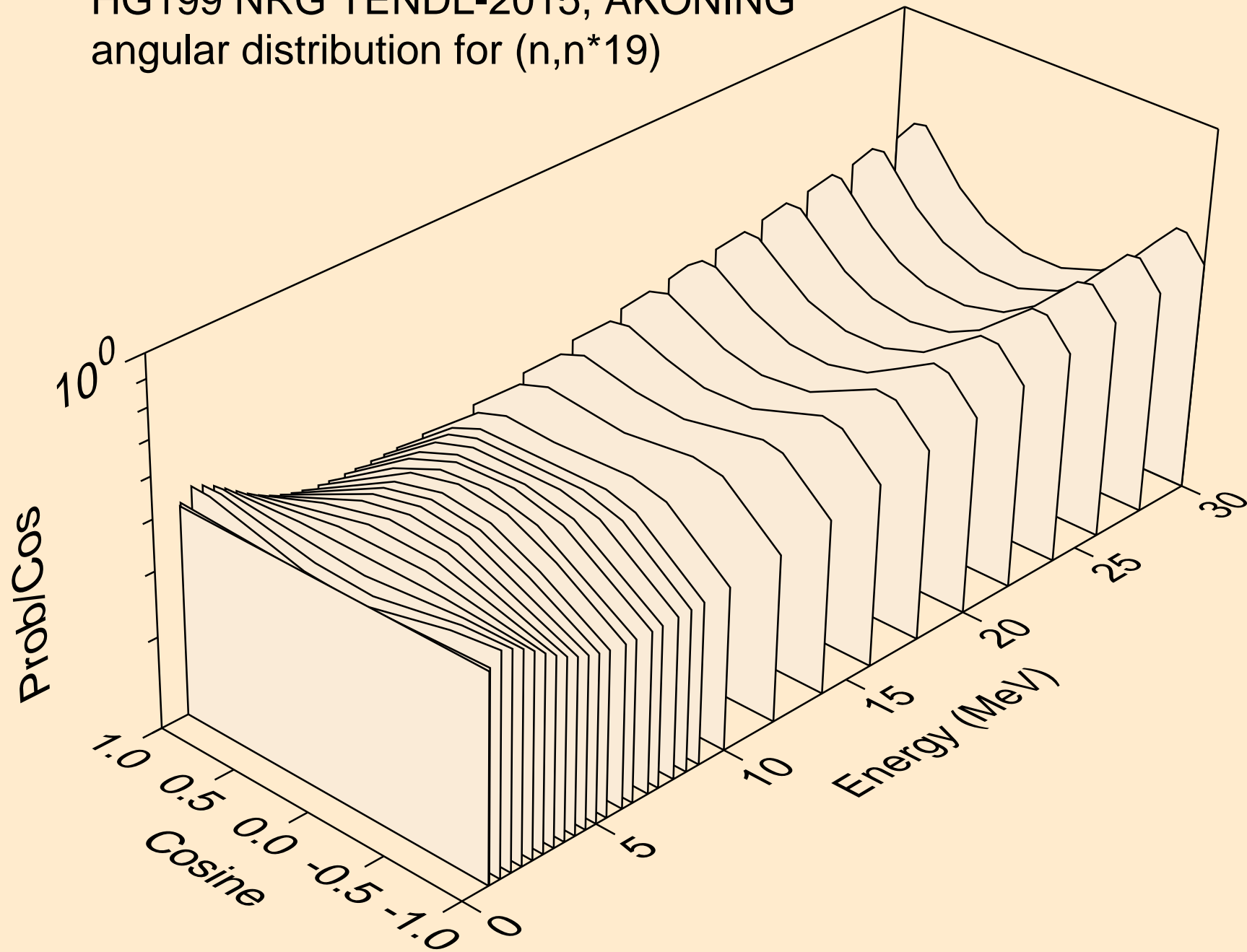
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



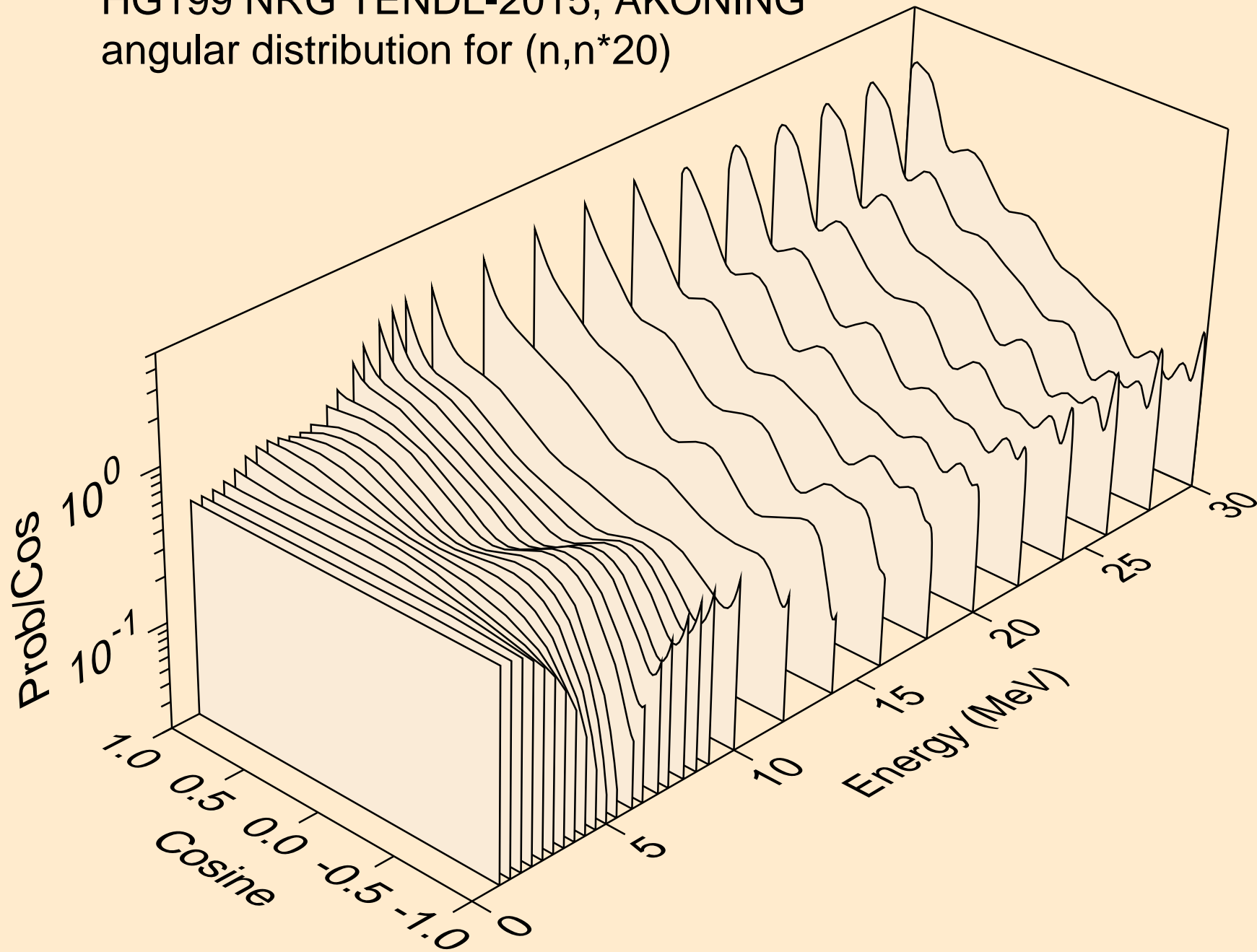
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



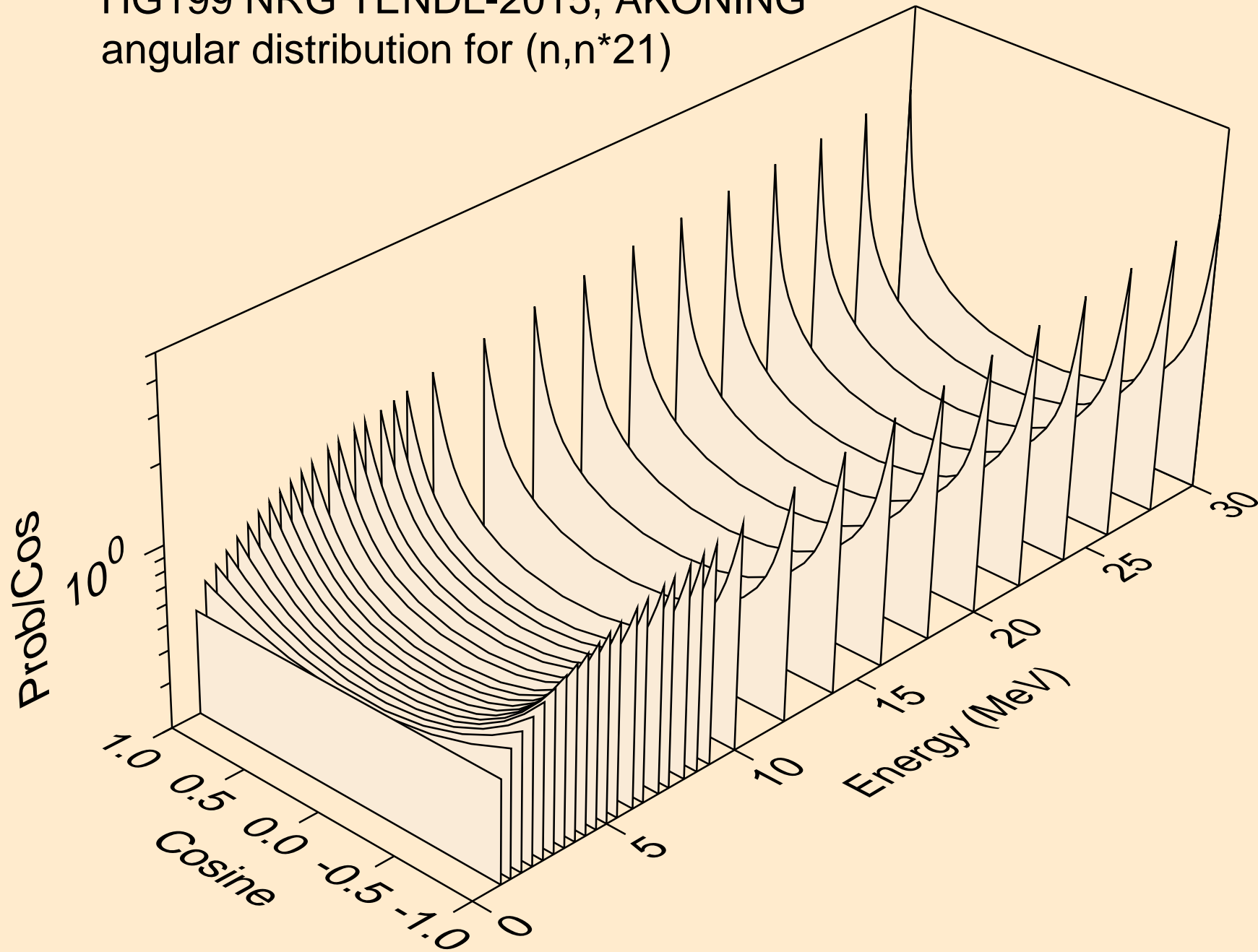
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



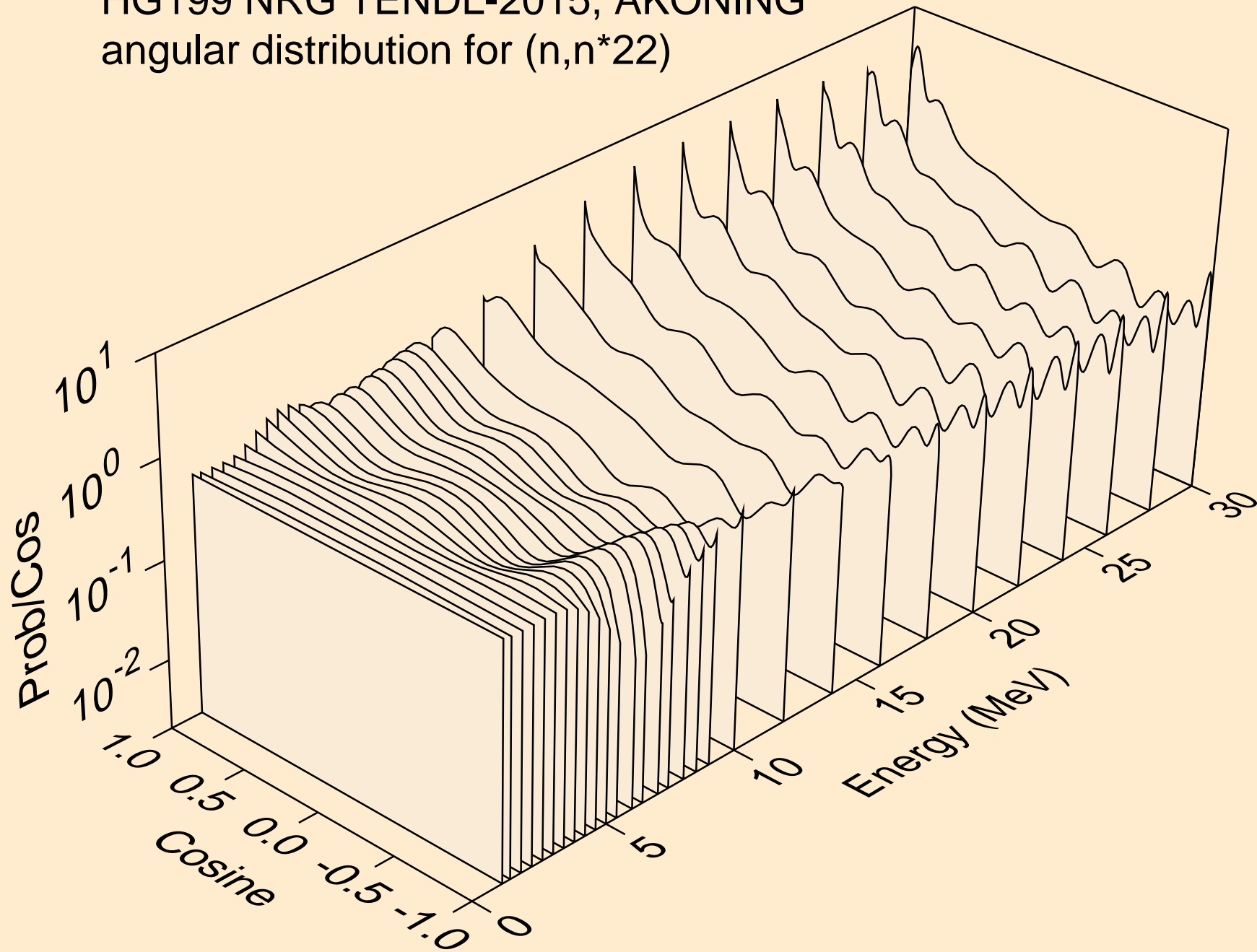
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

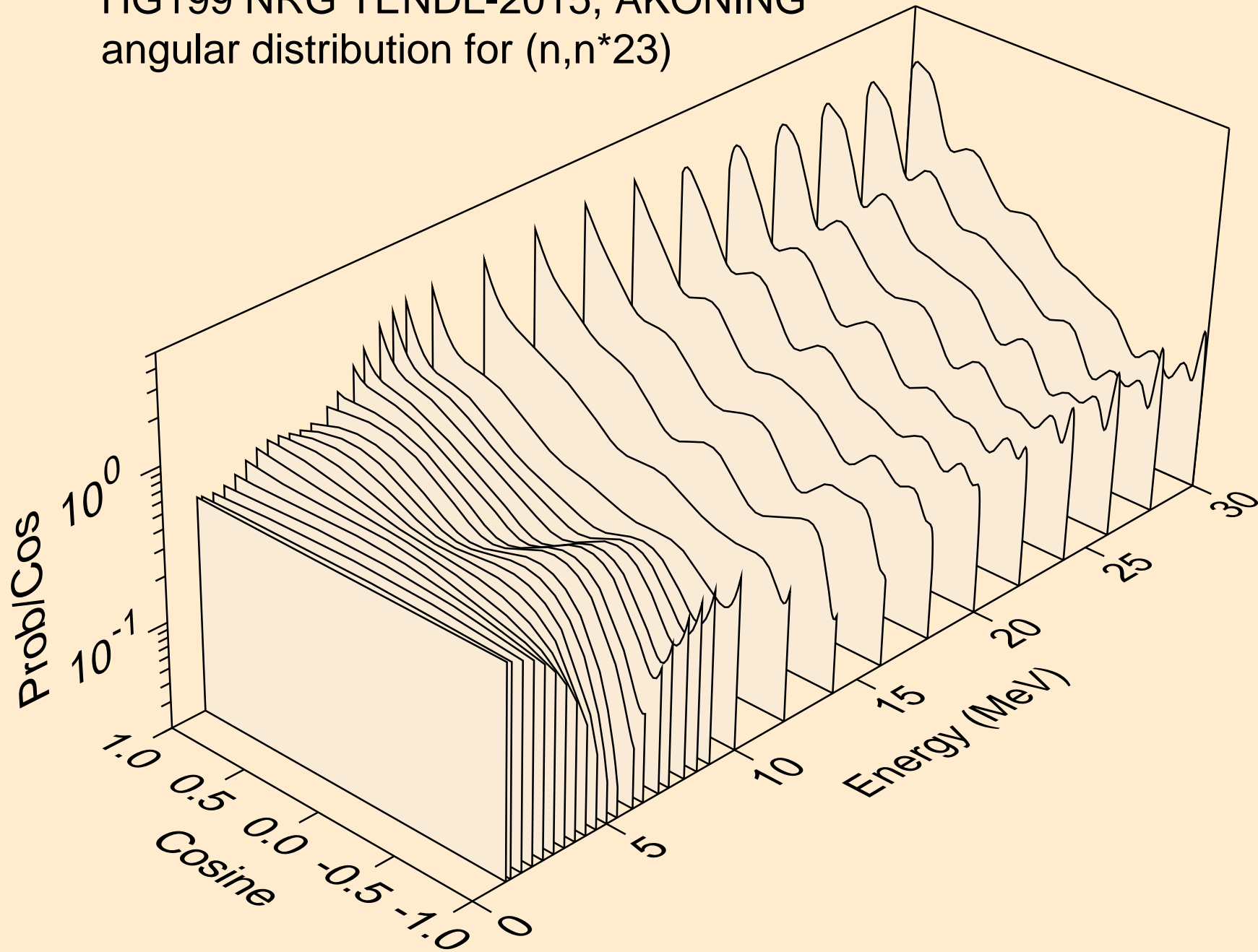


HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

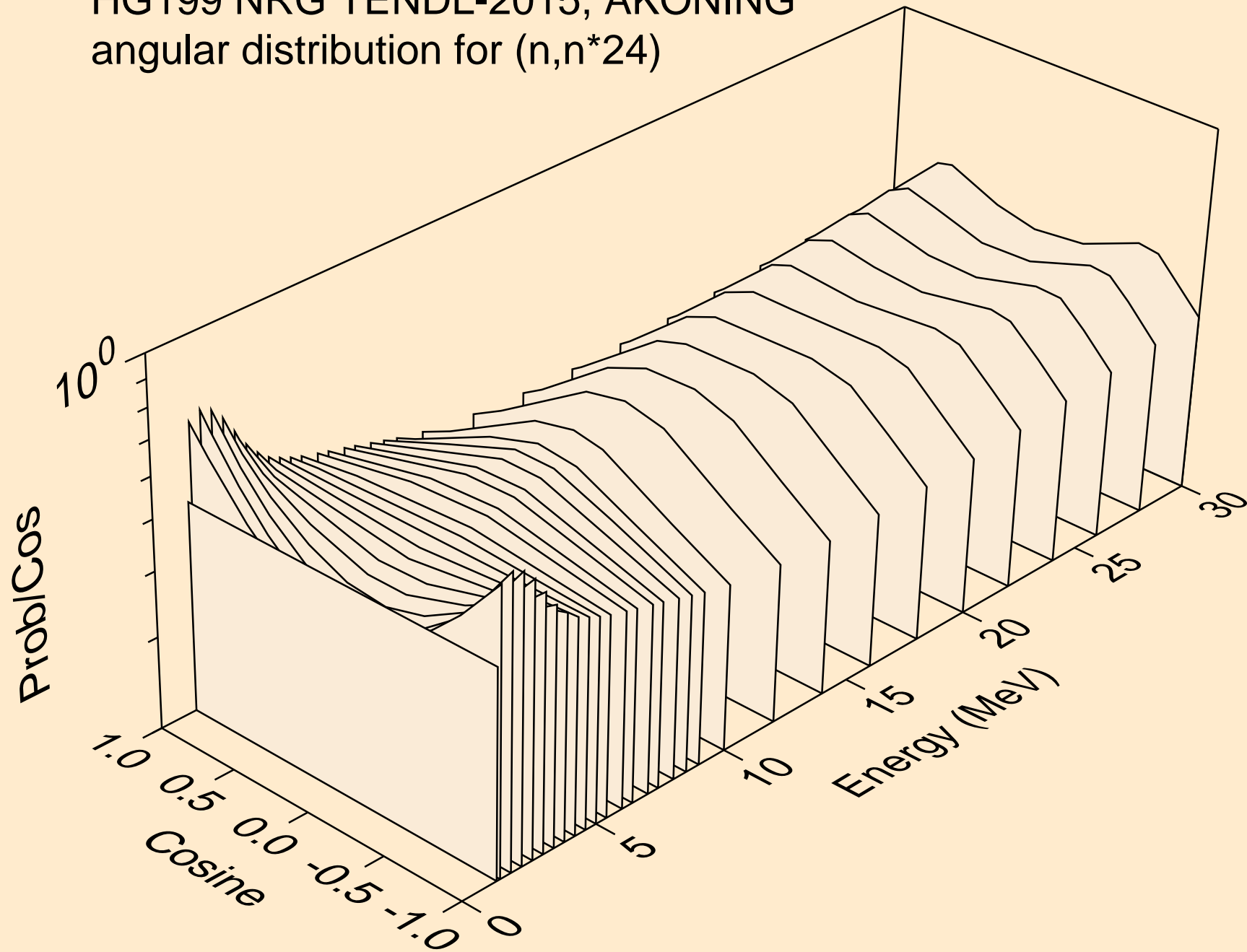




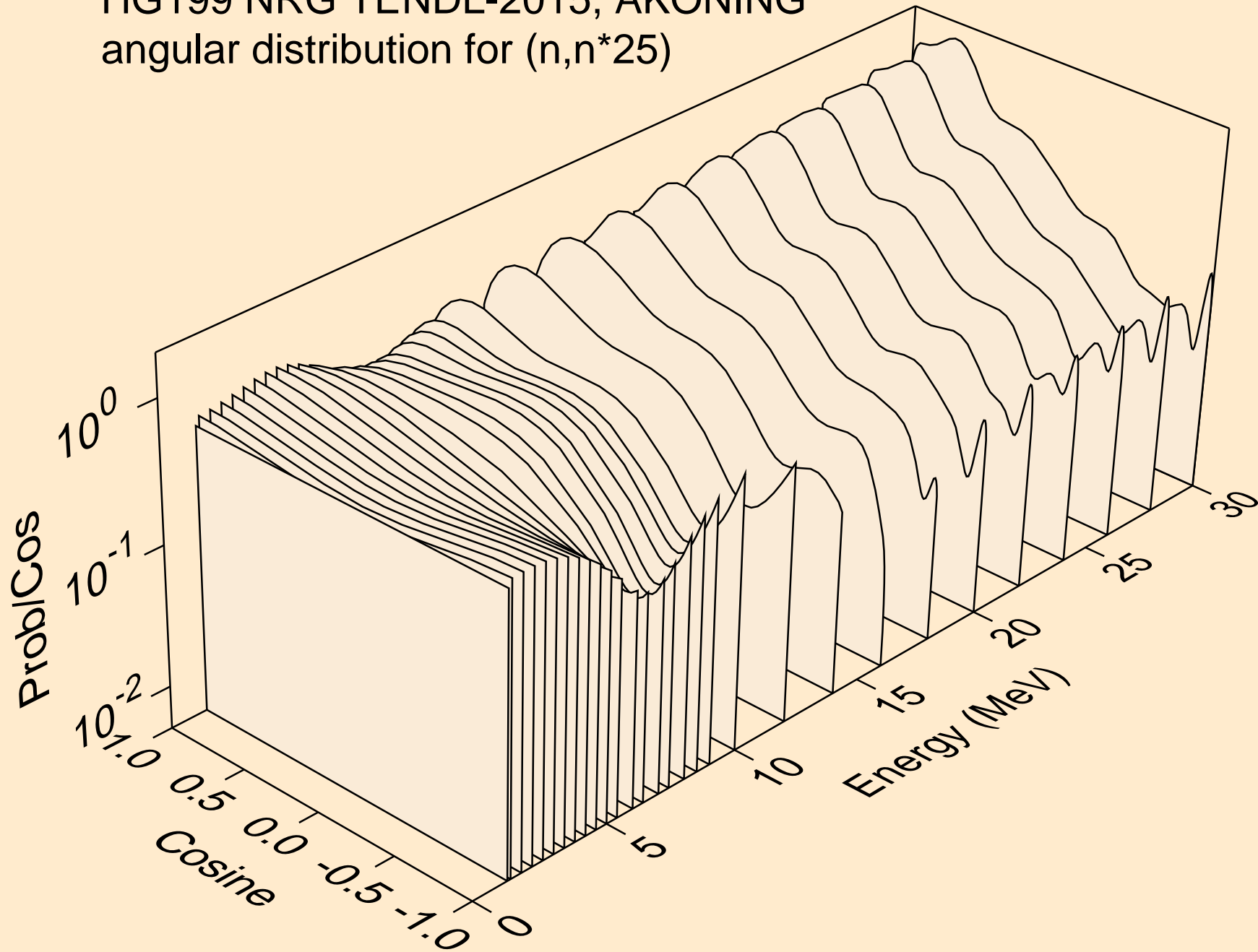
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



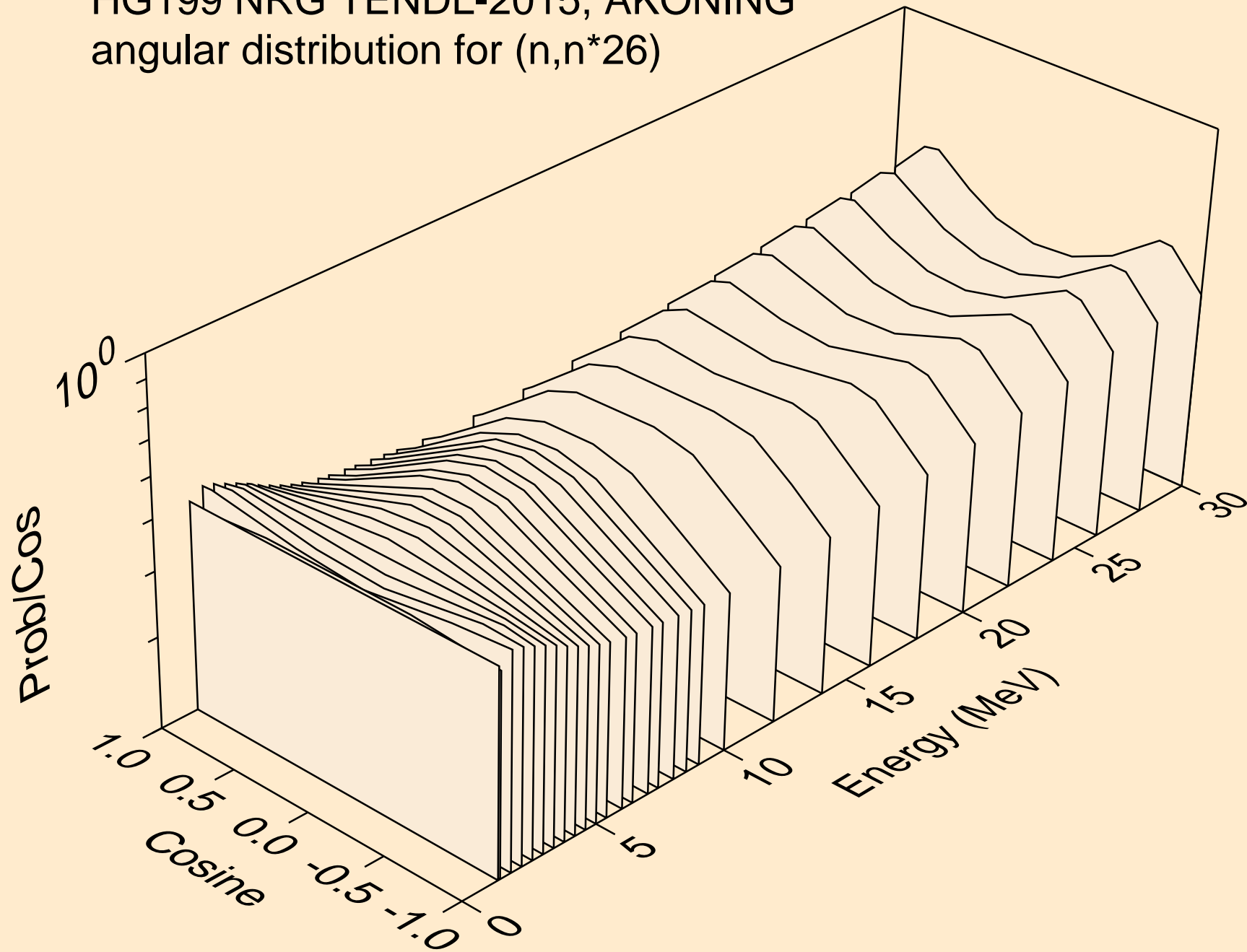
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



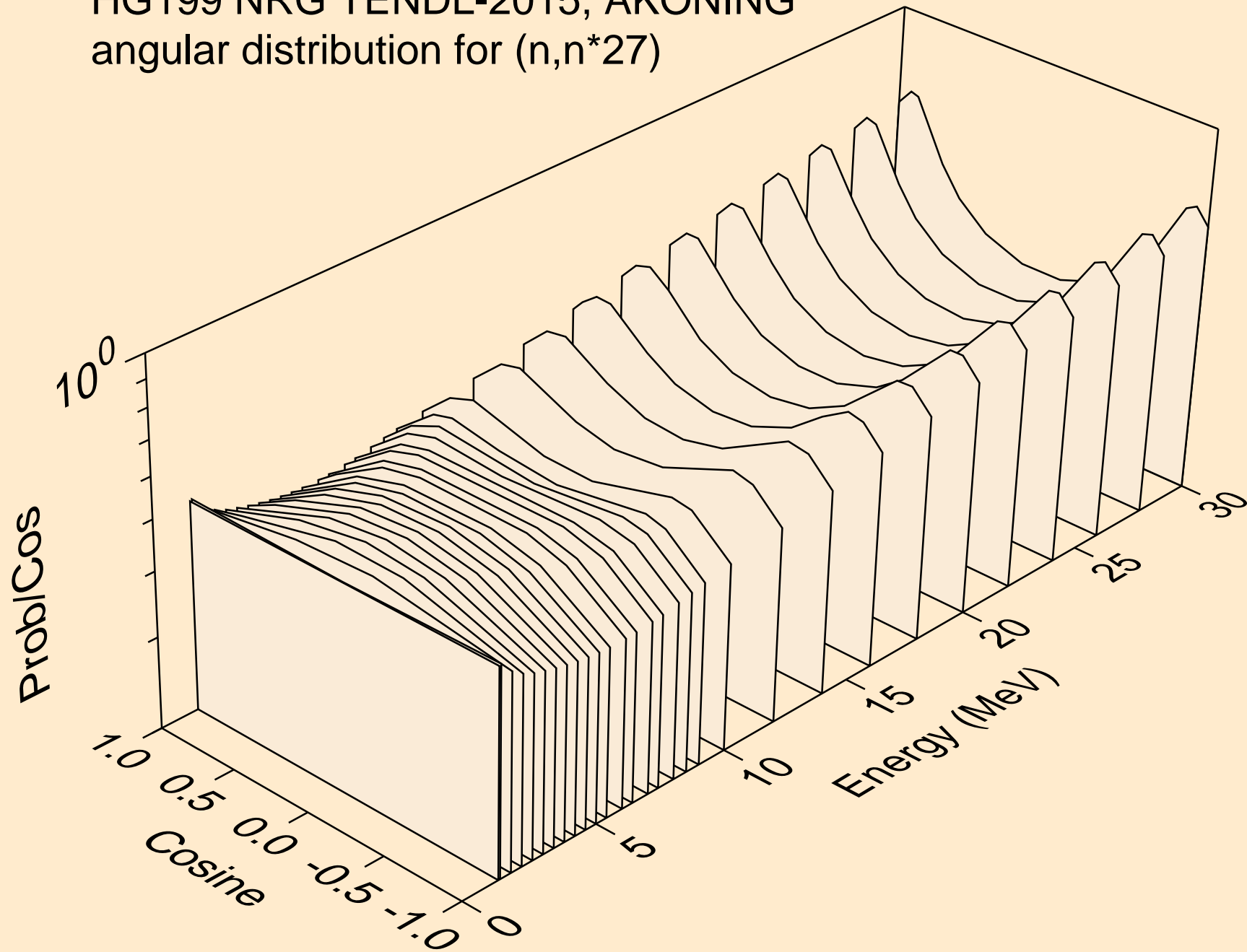
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



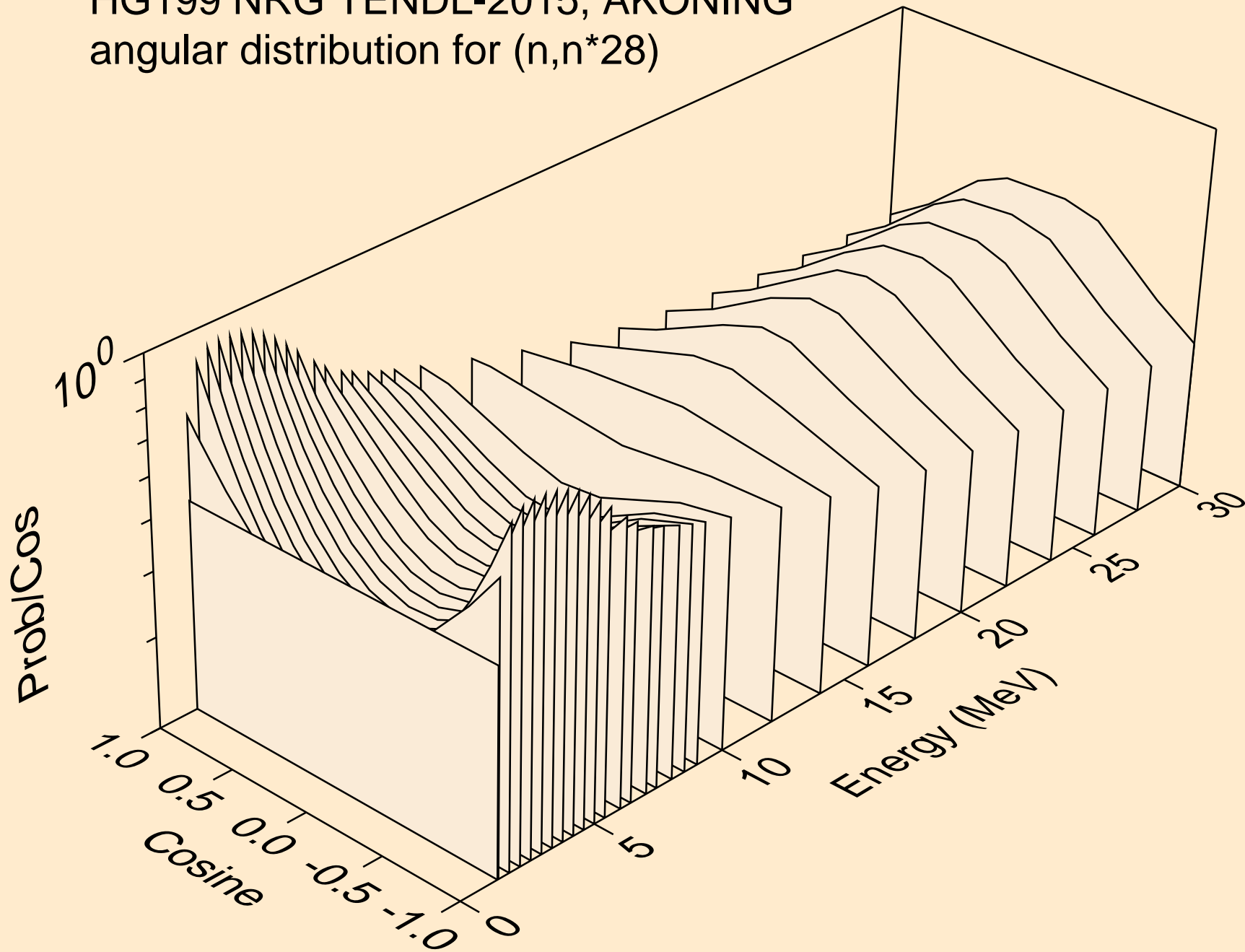
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



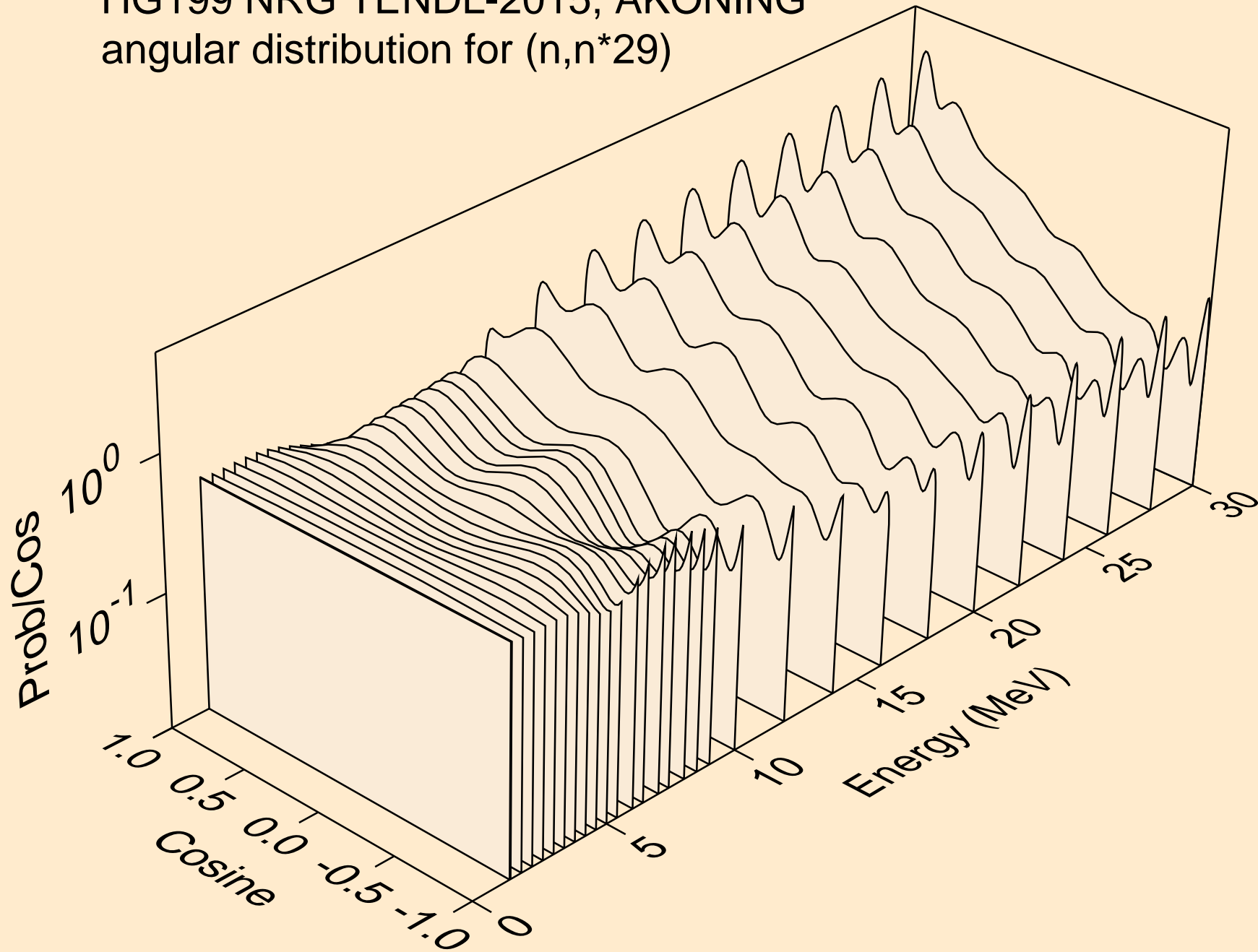
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



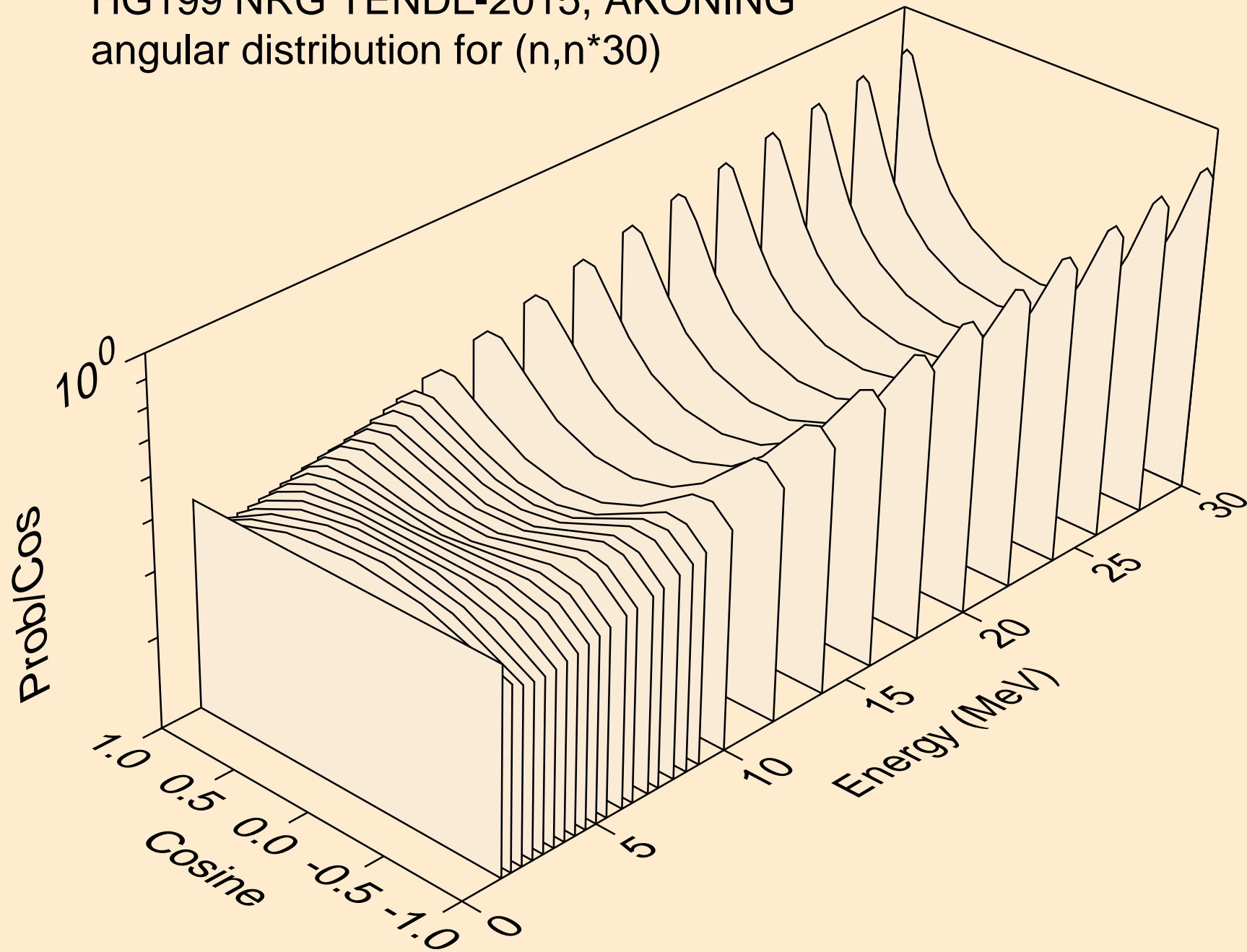
HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

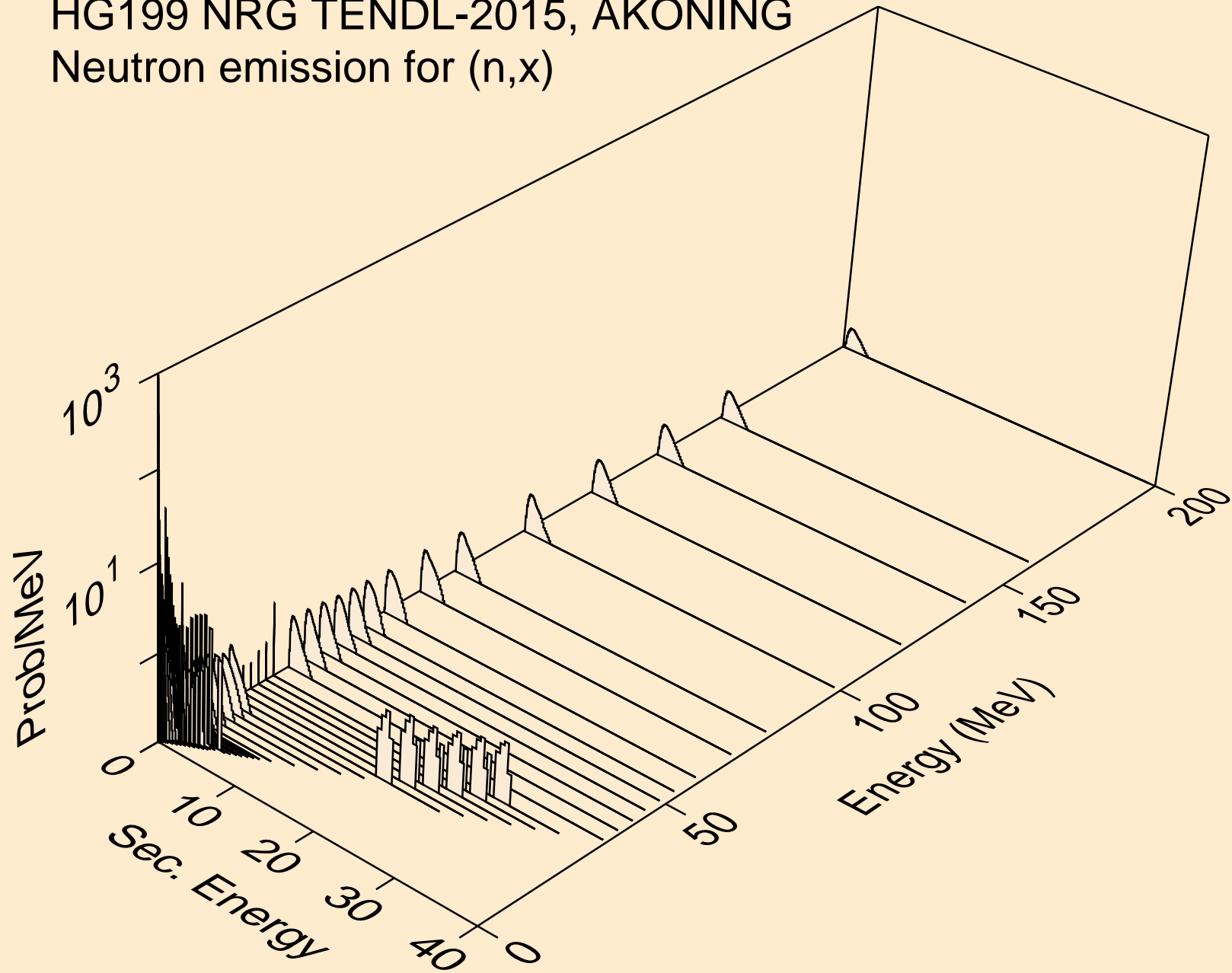


HG199 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

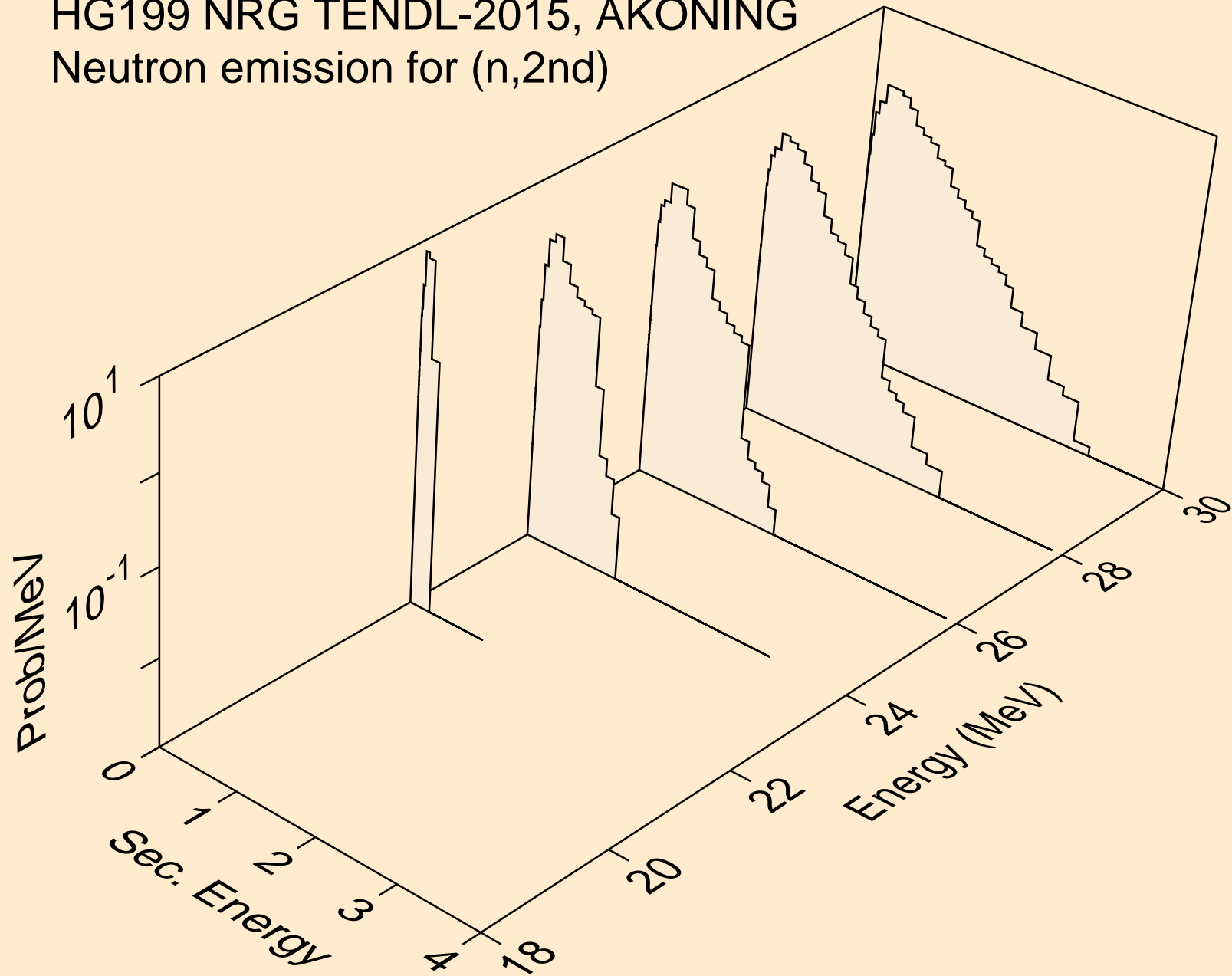




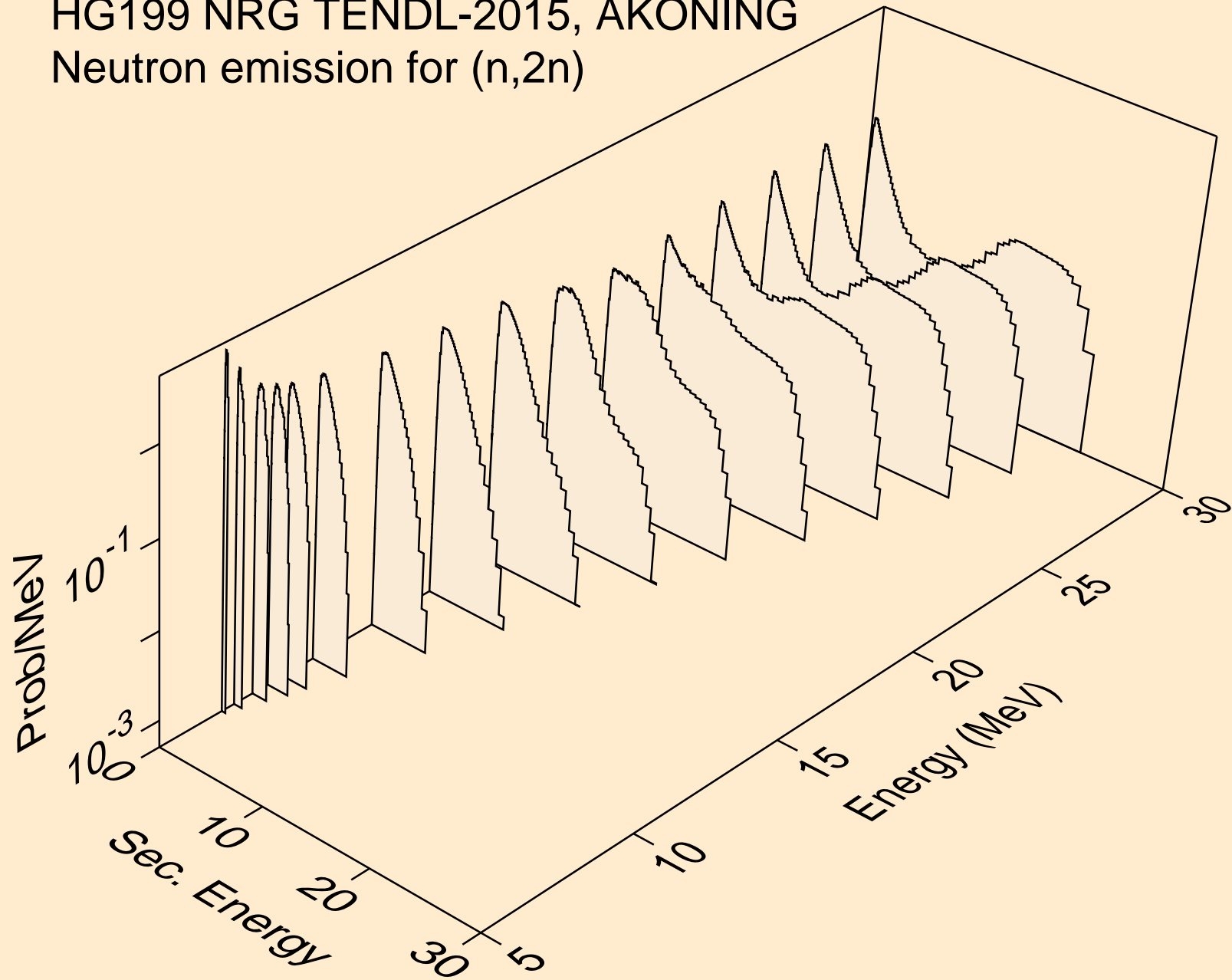
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



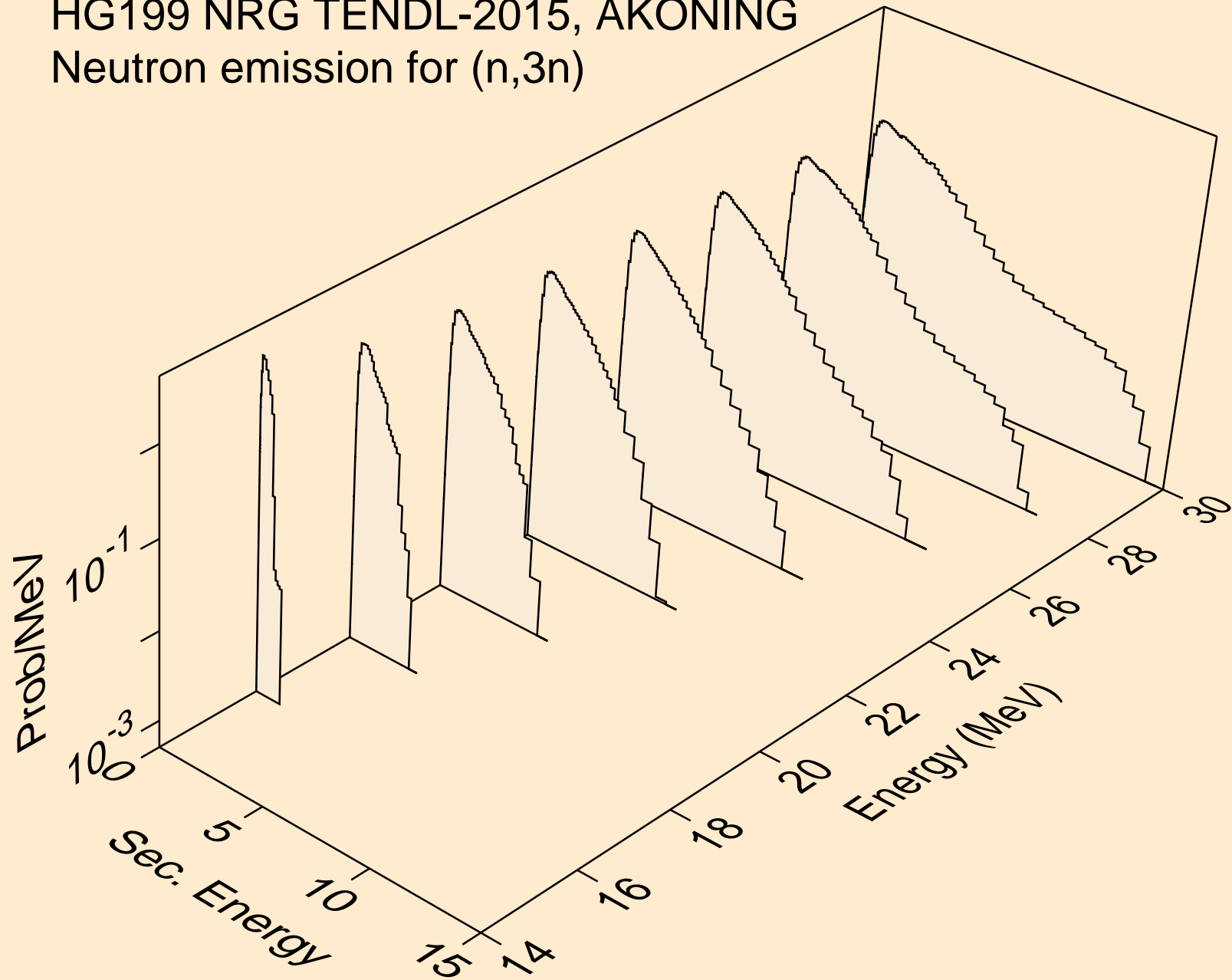
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



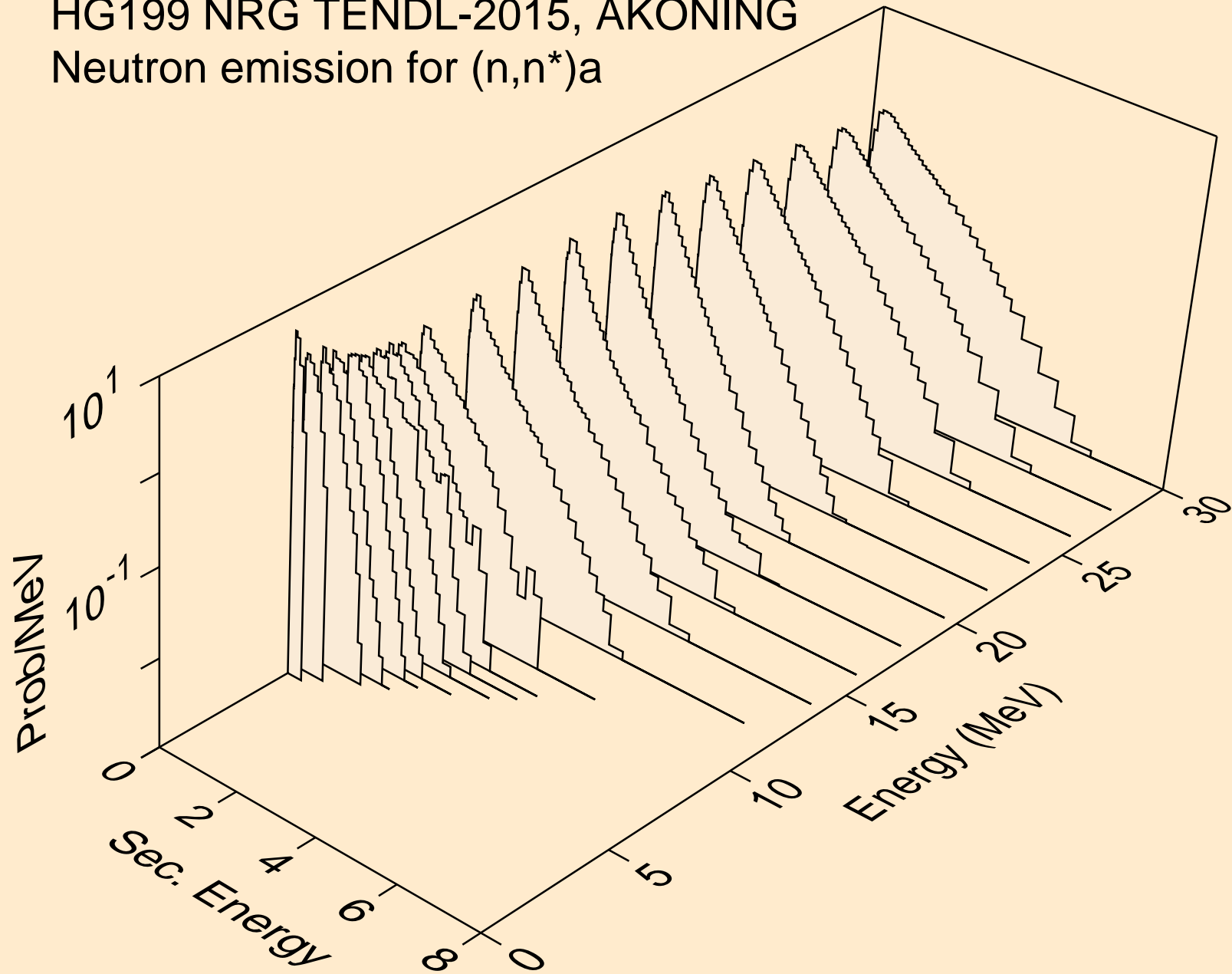
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



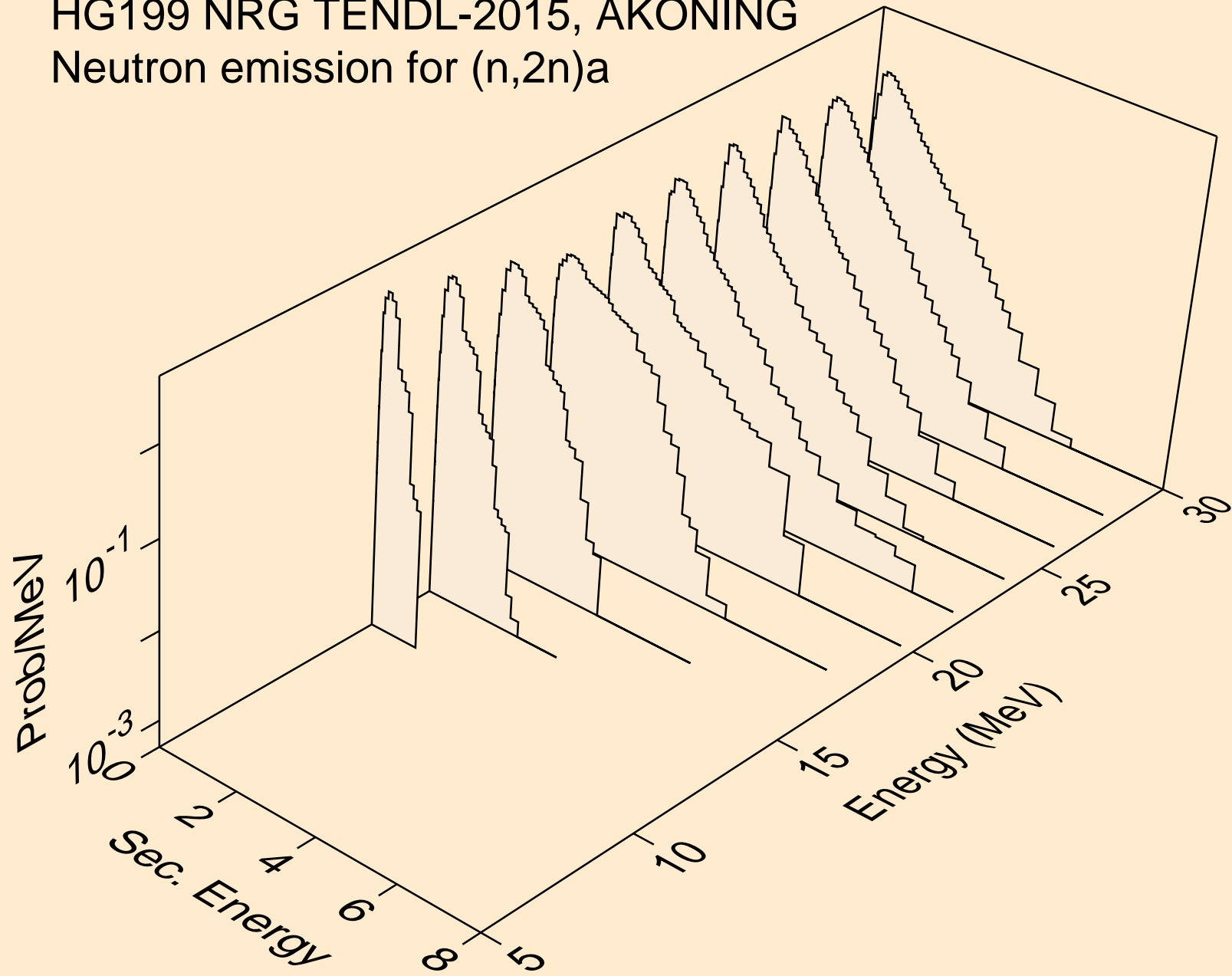
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



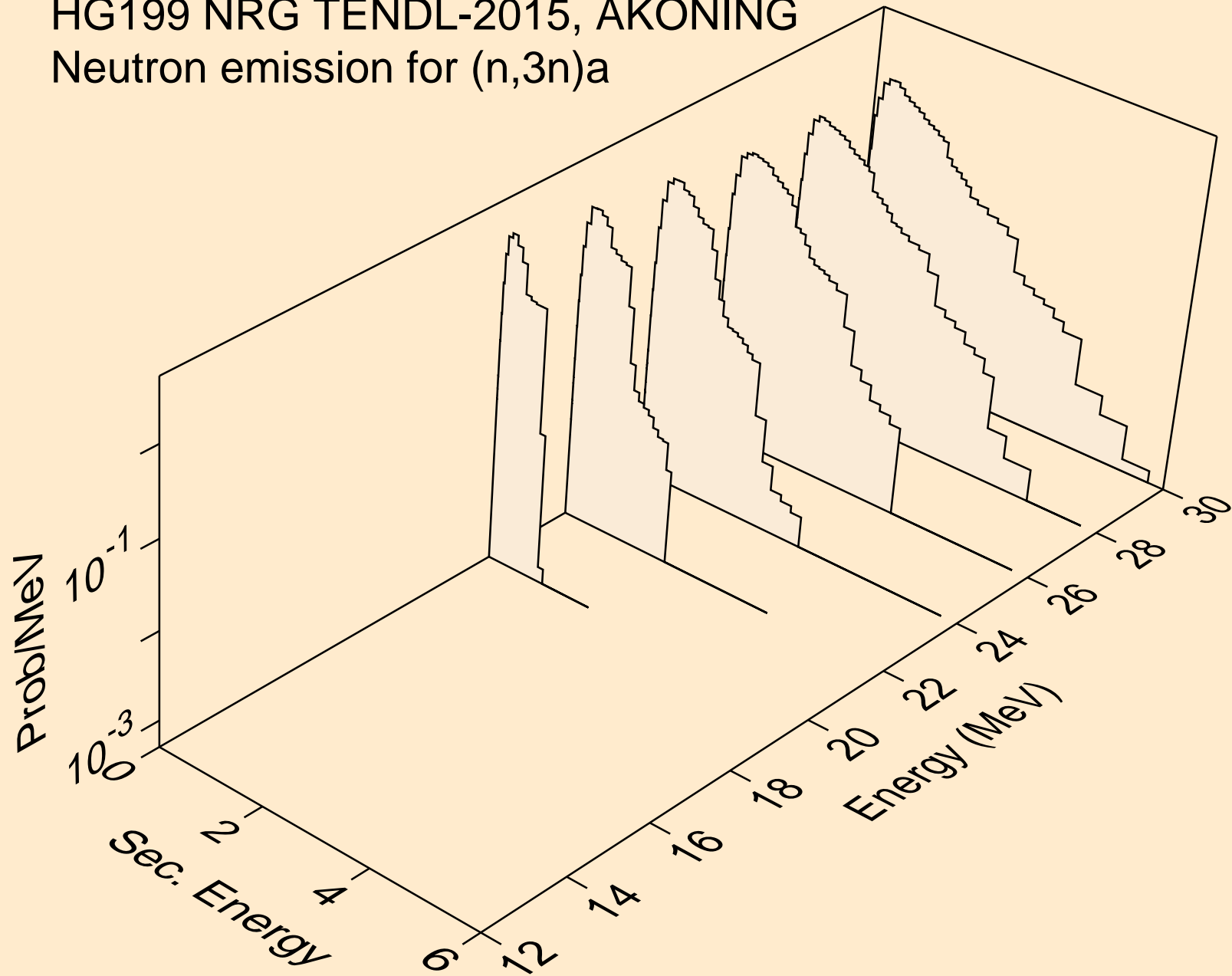
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



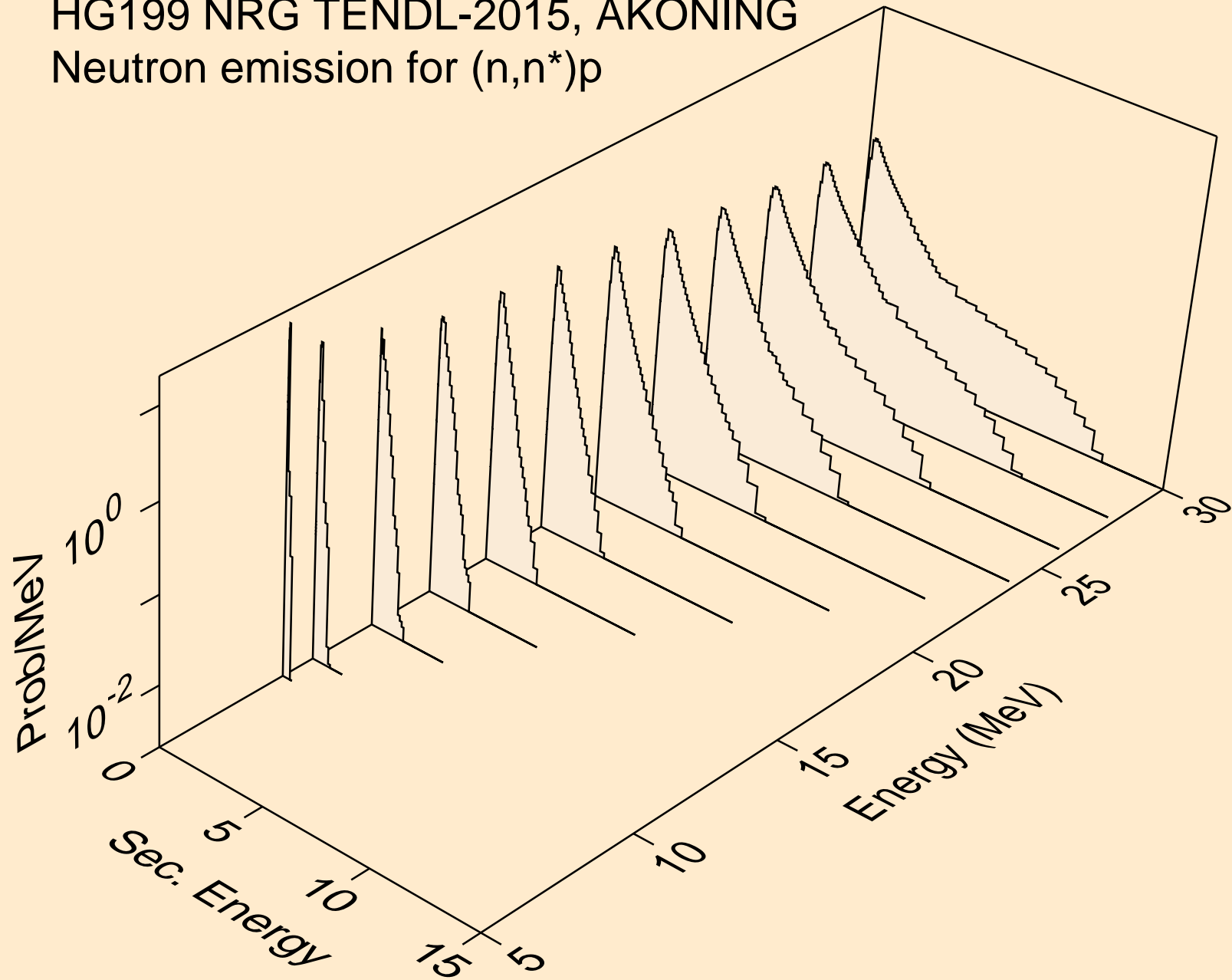
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

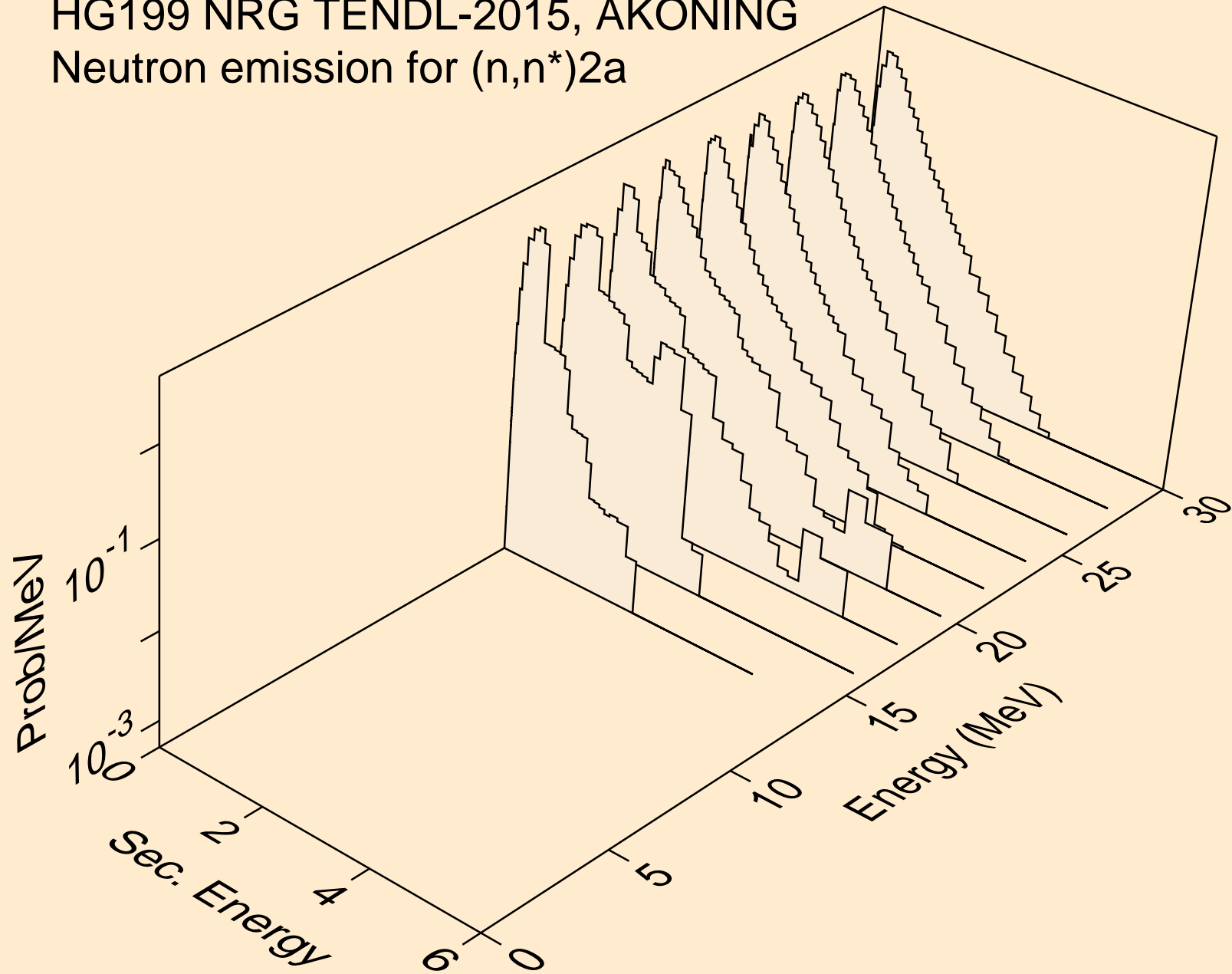


HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

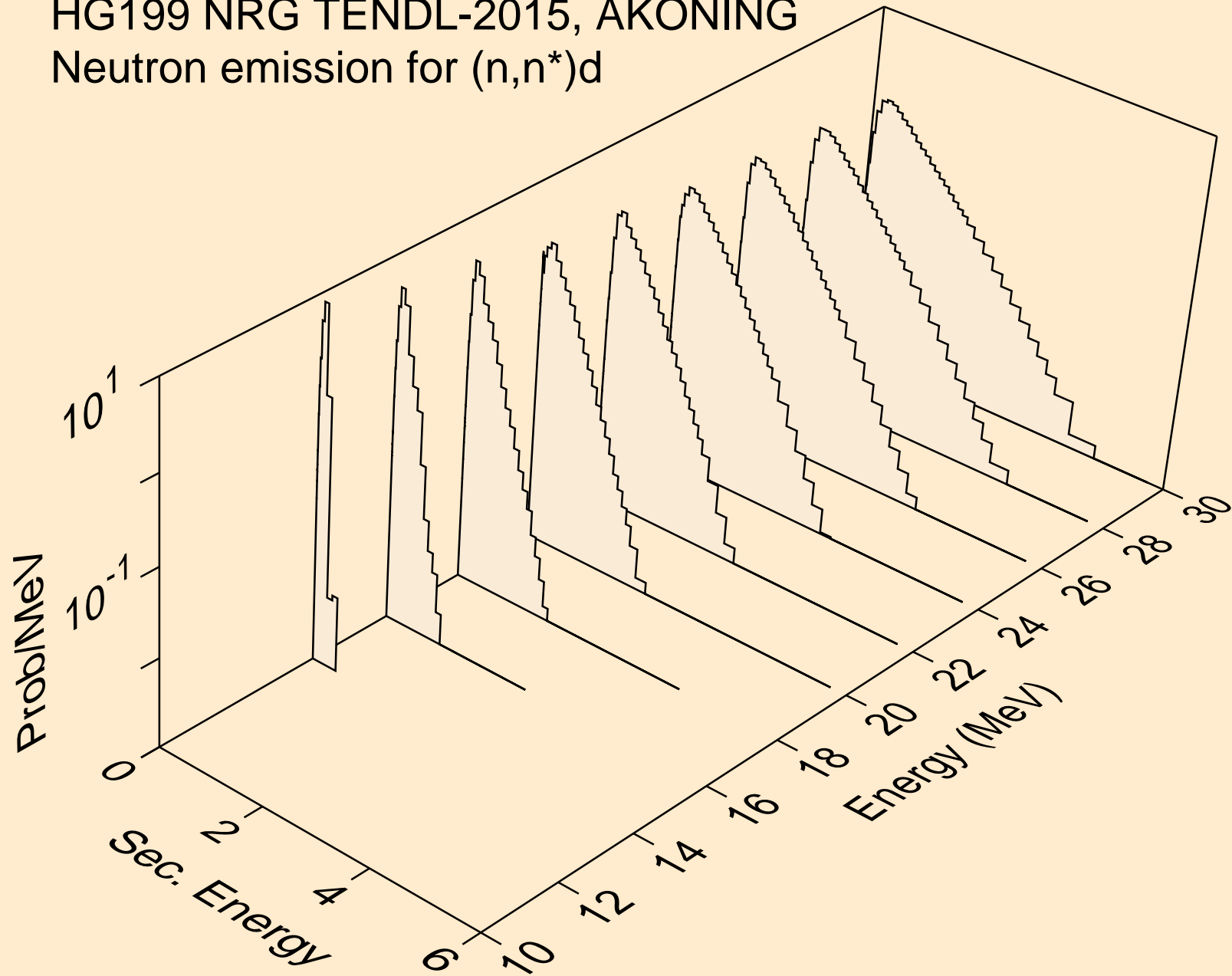




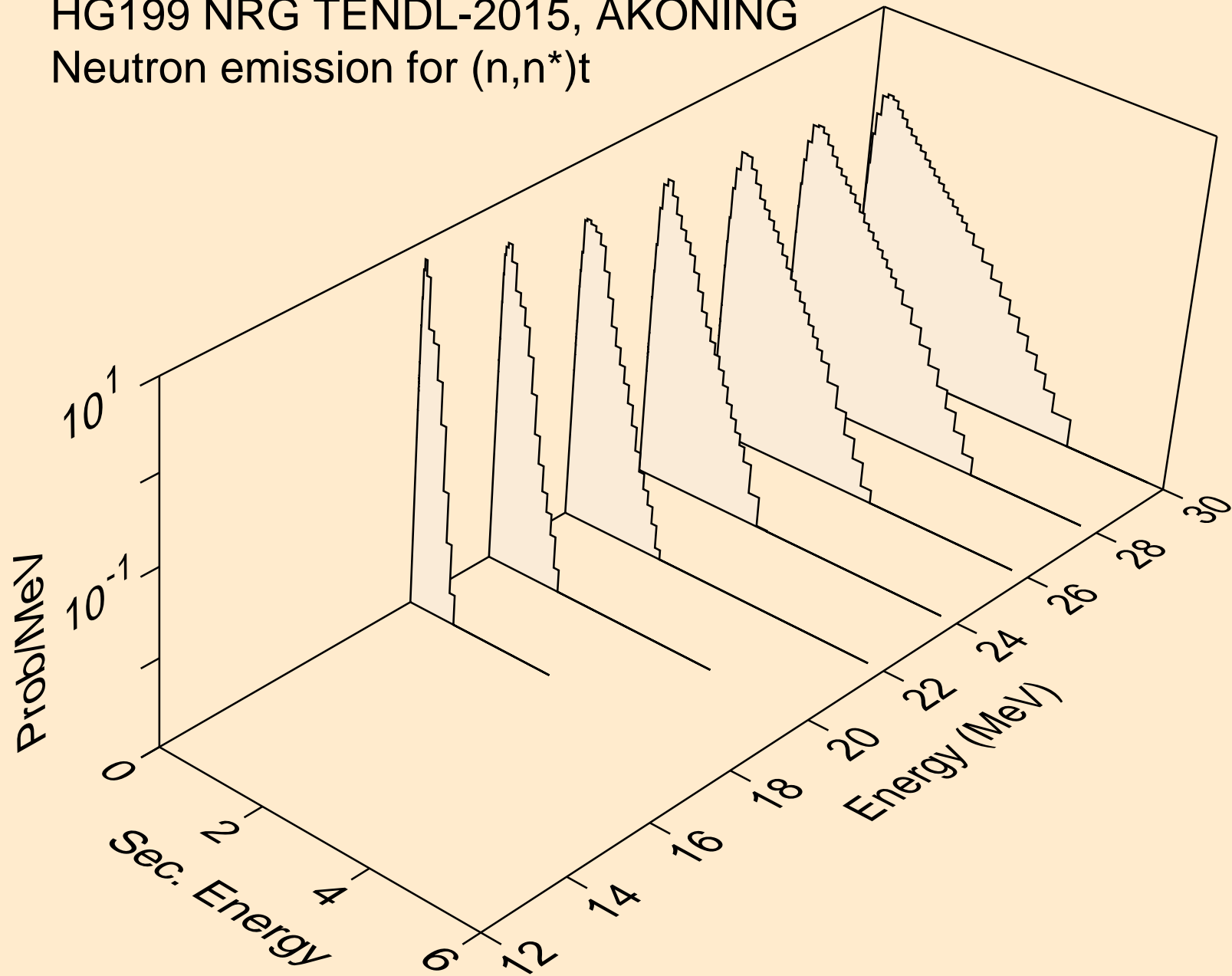
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



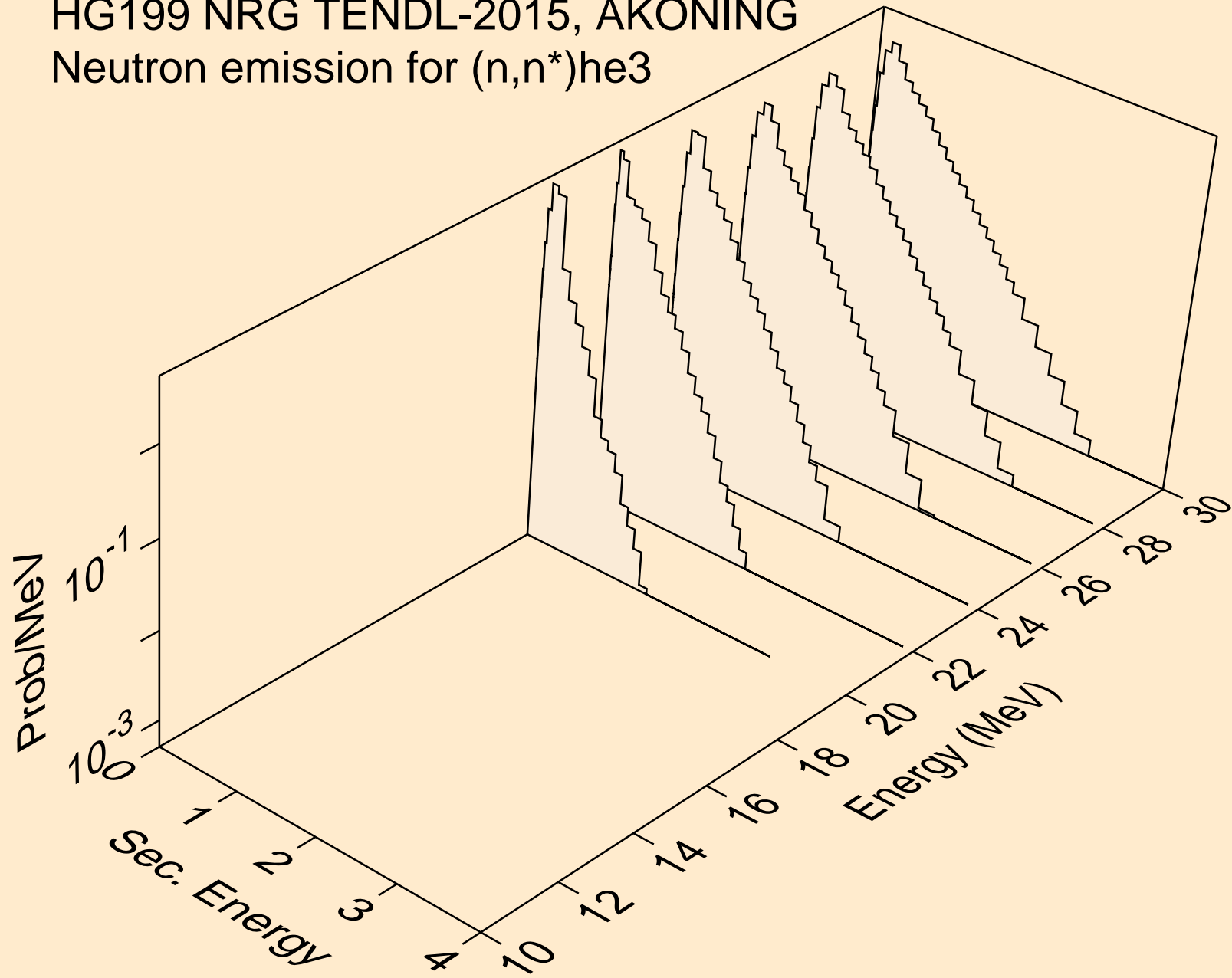
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



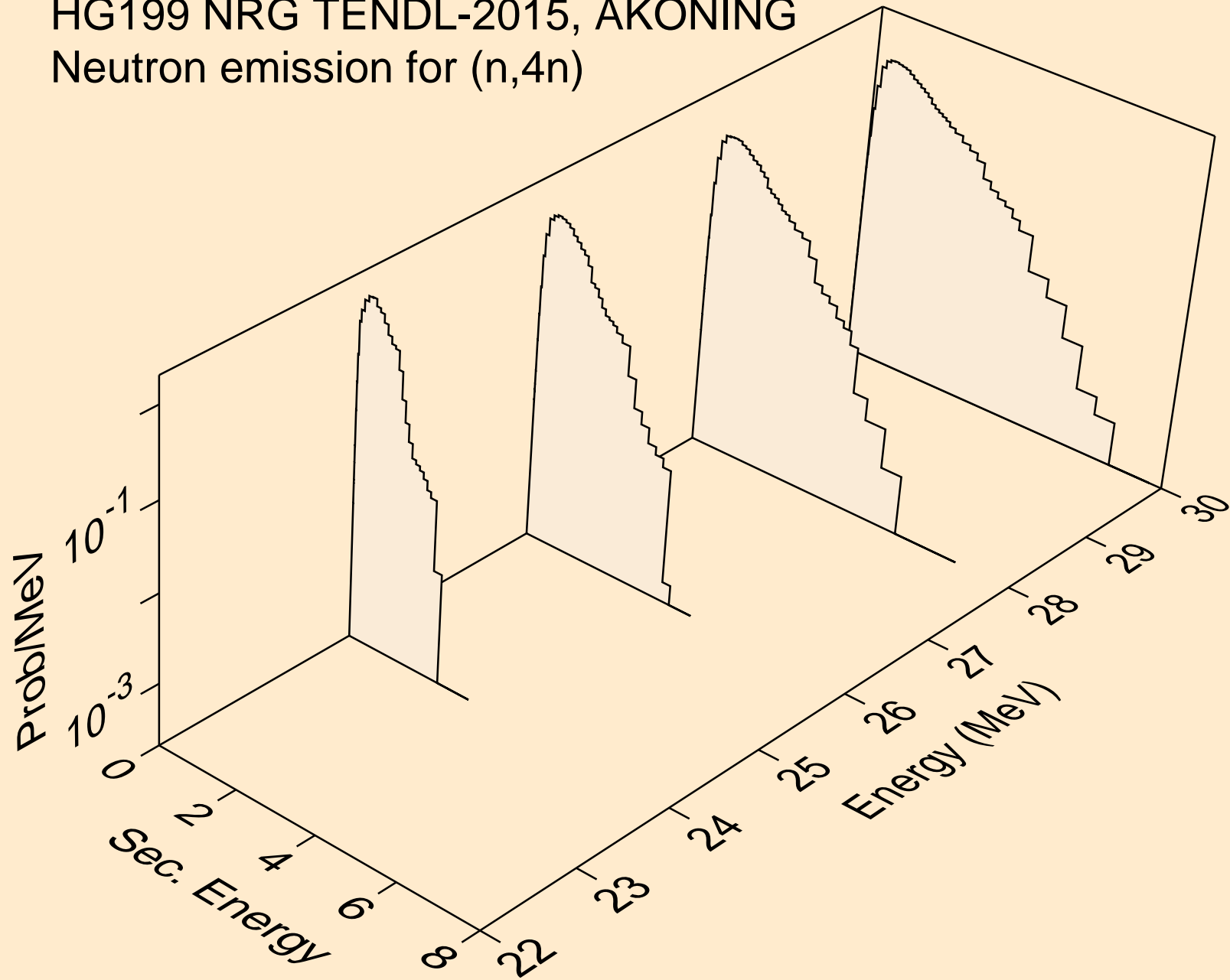
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



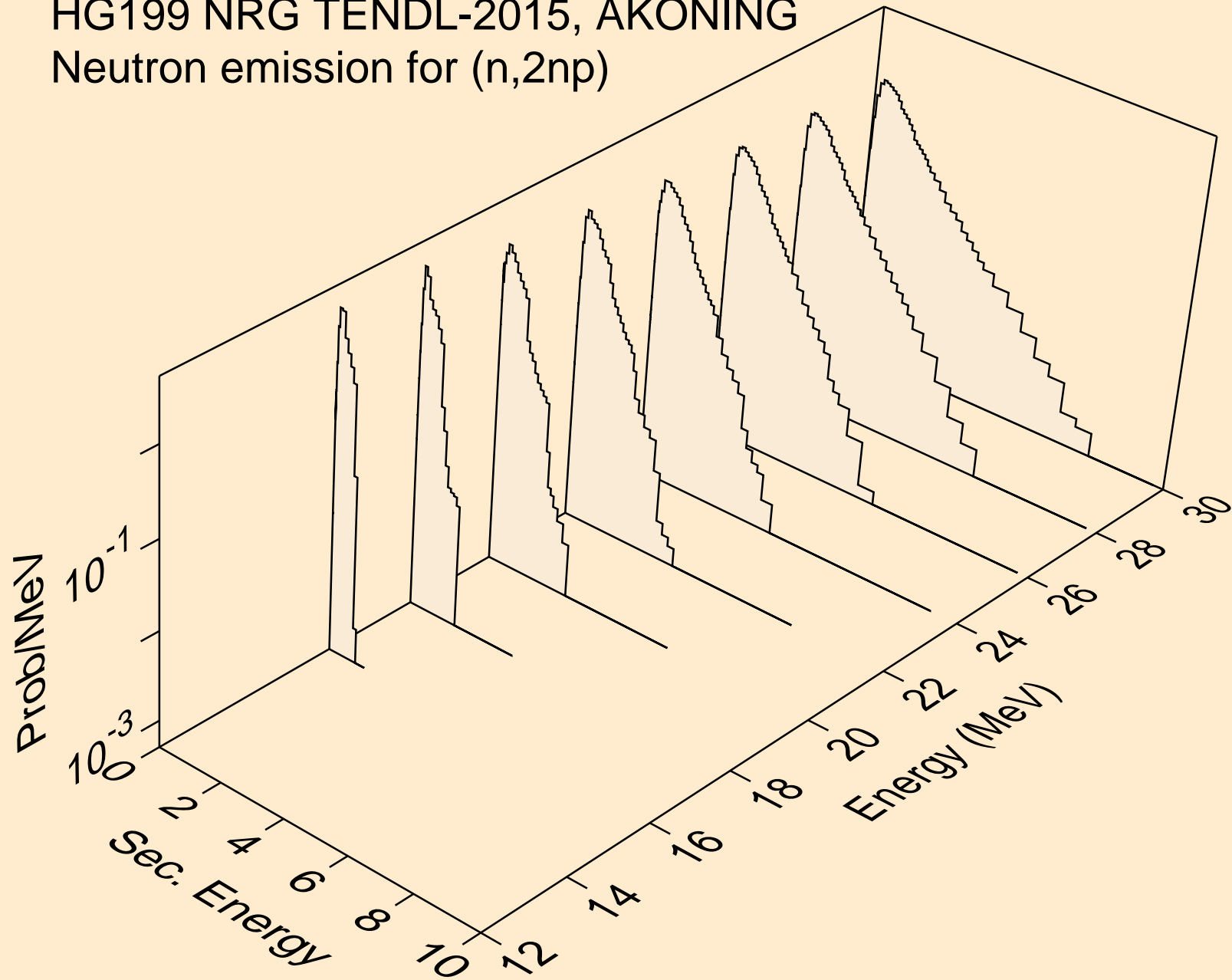
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



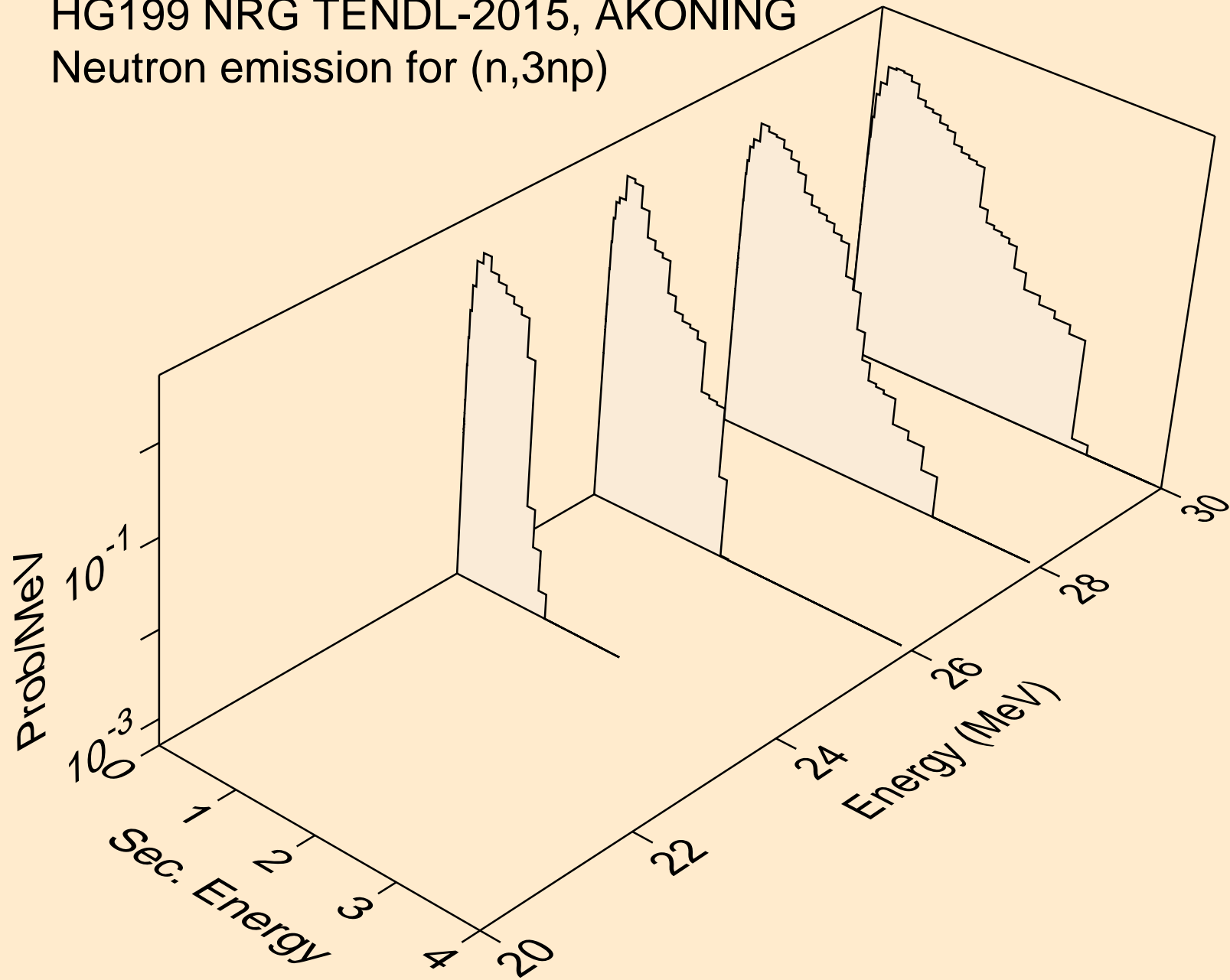
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



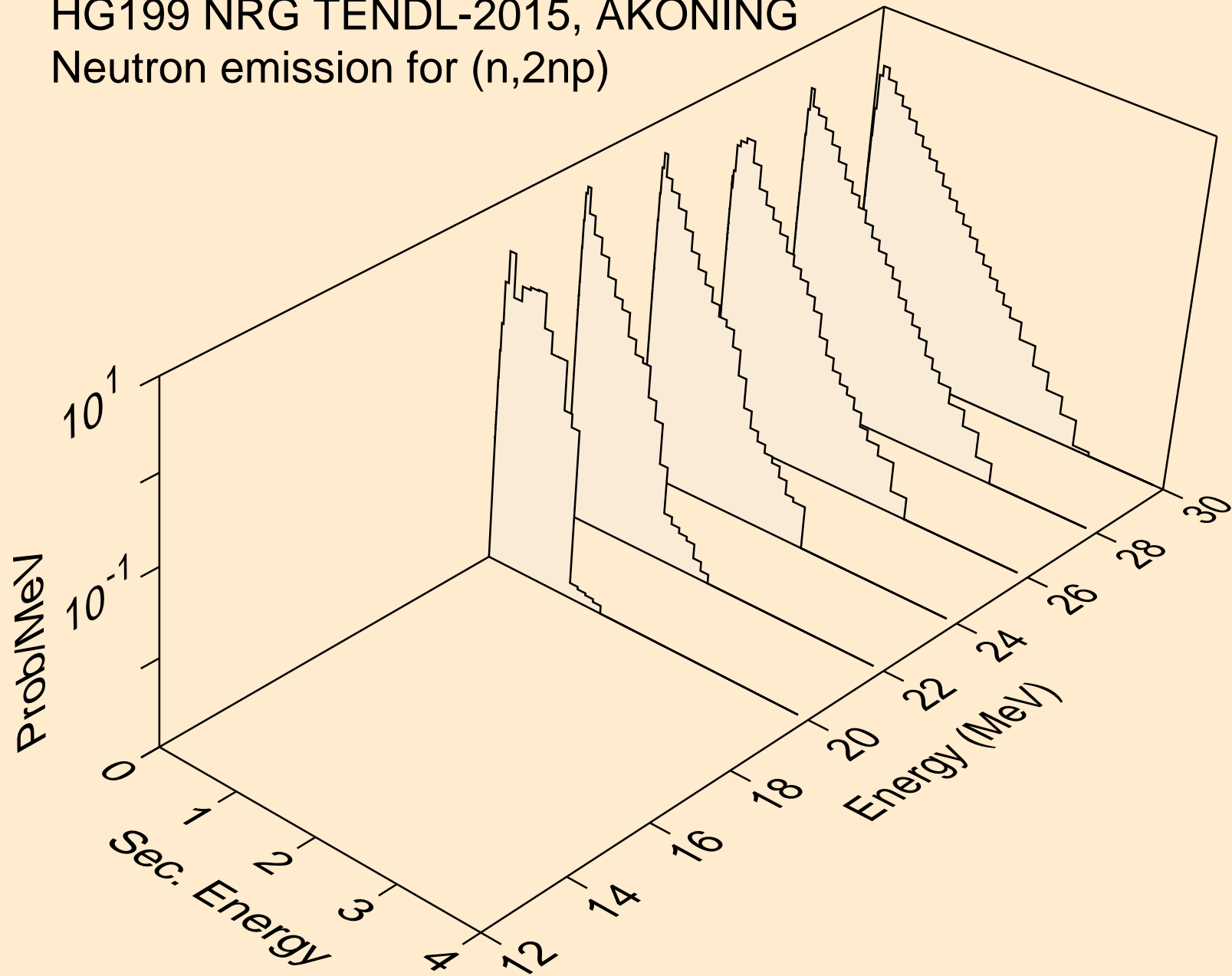
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

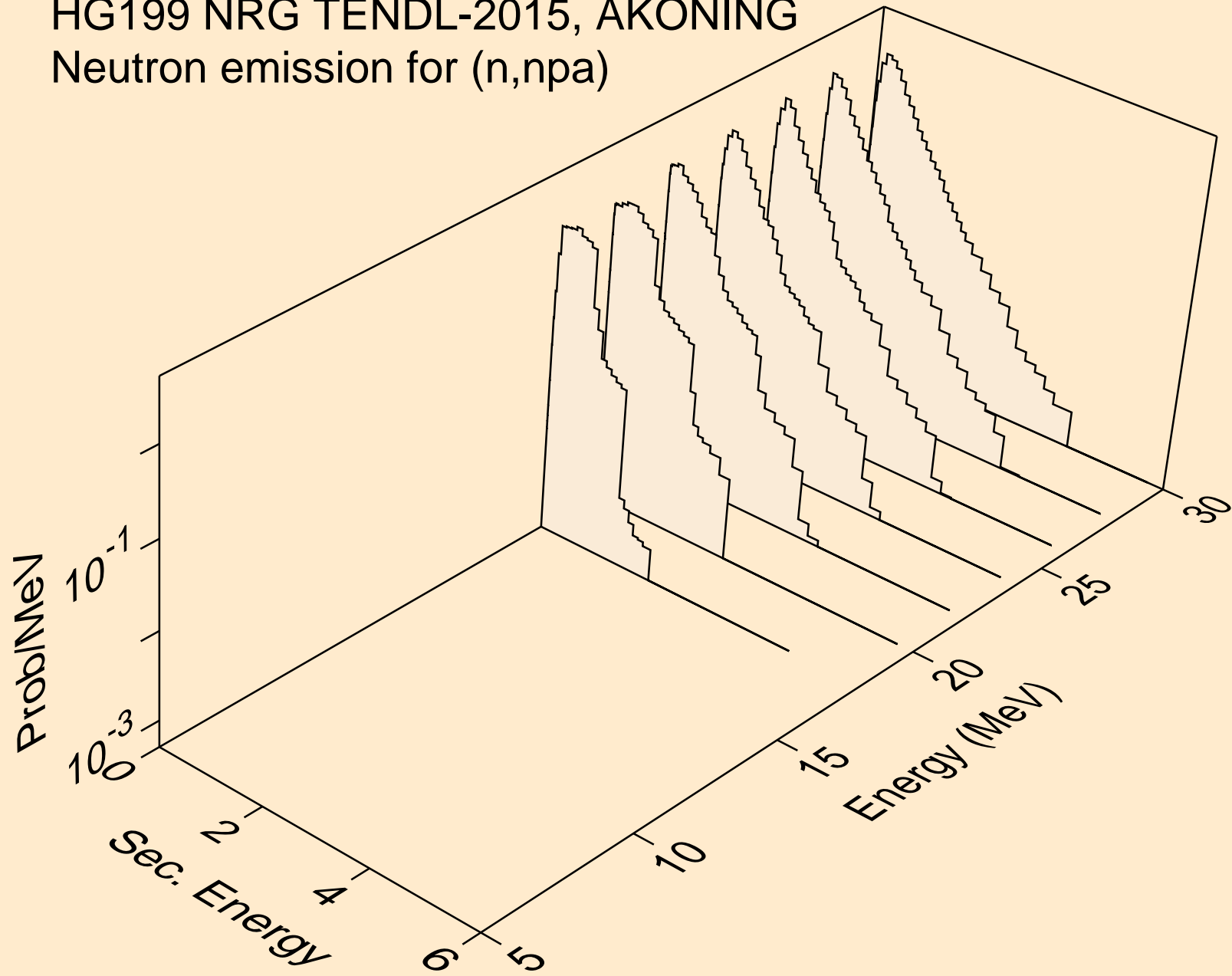


HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

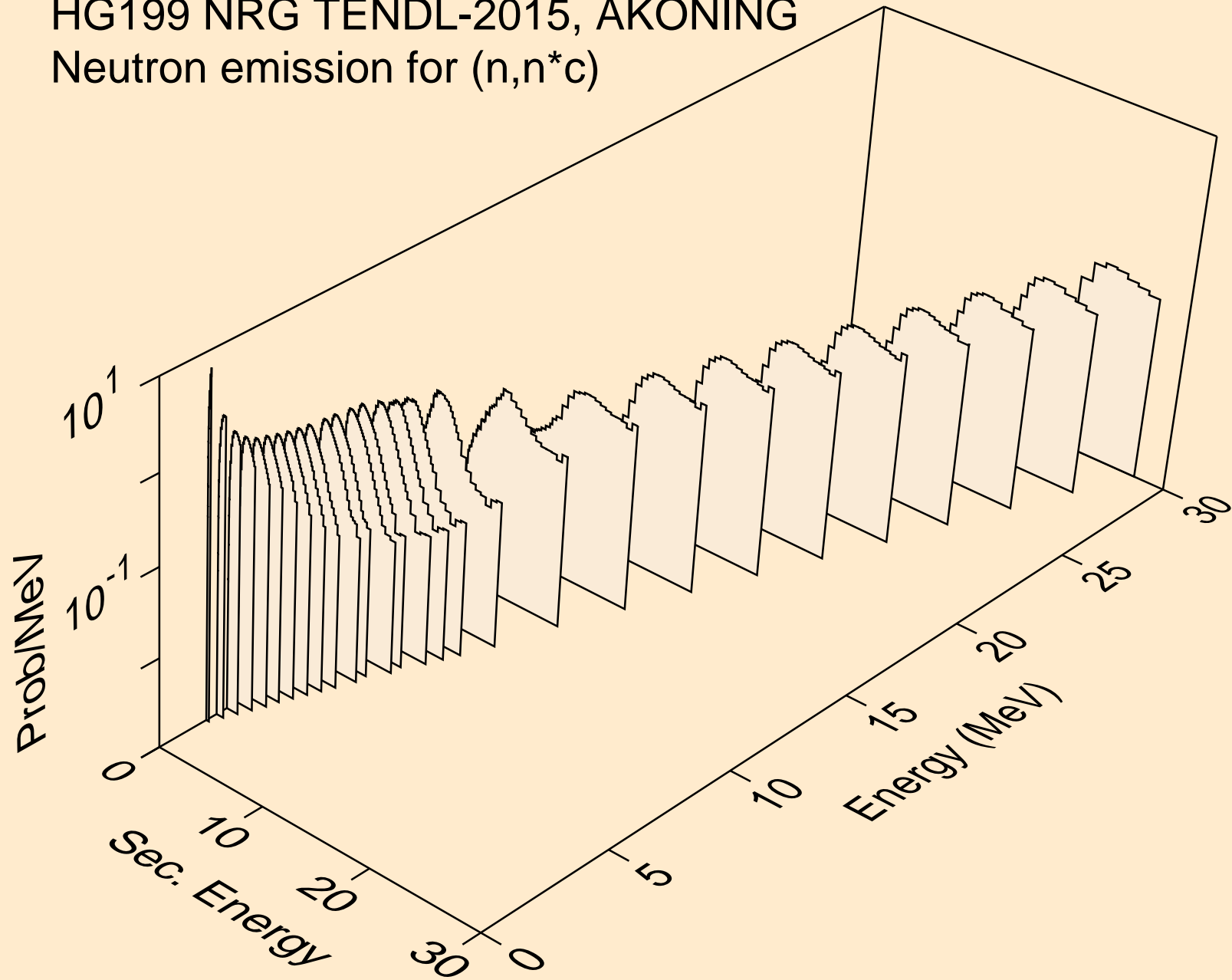




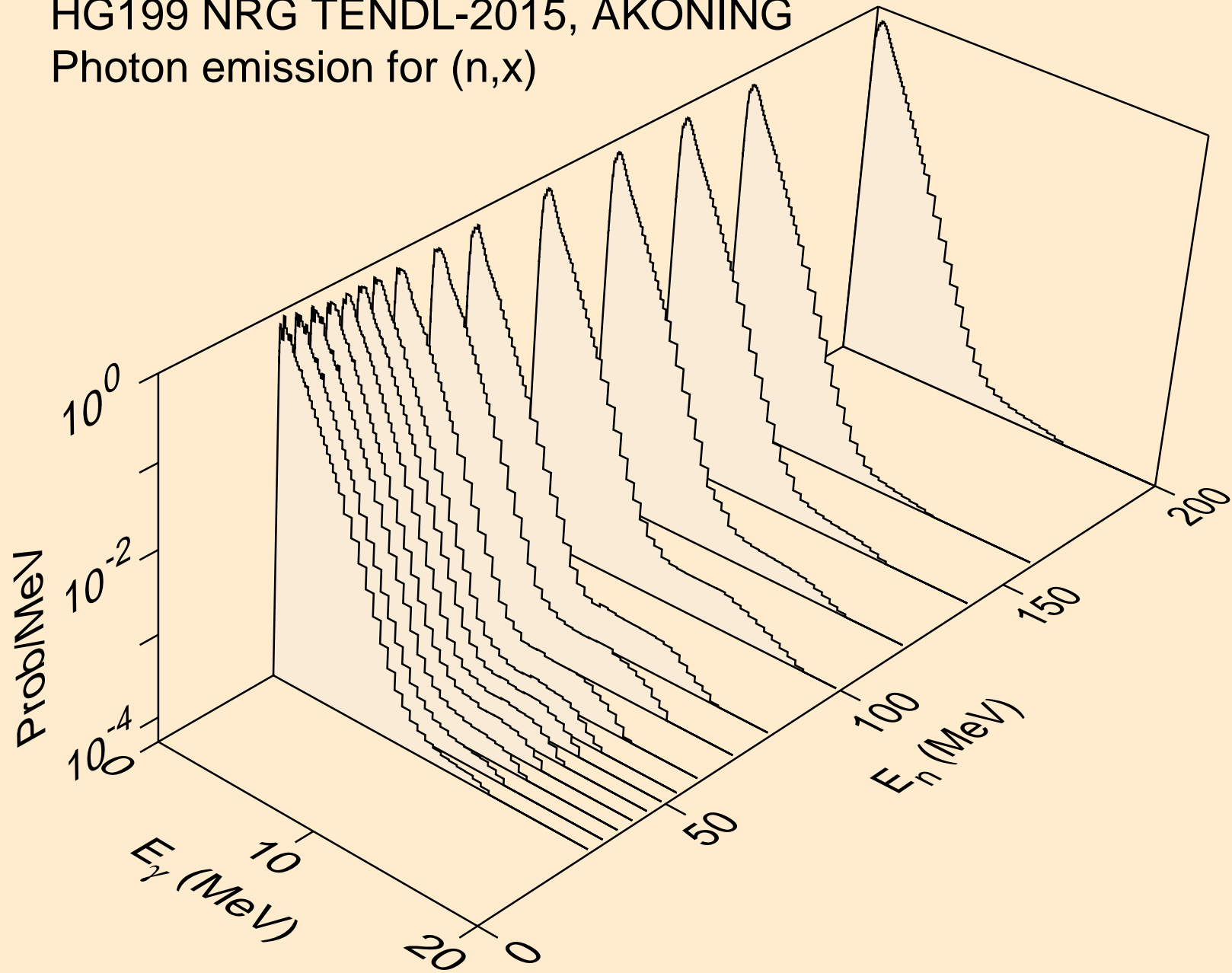
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



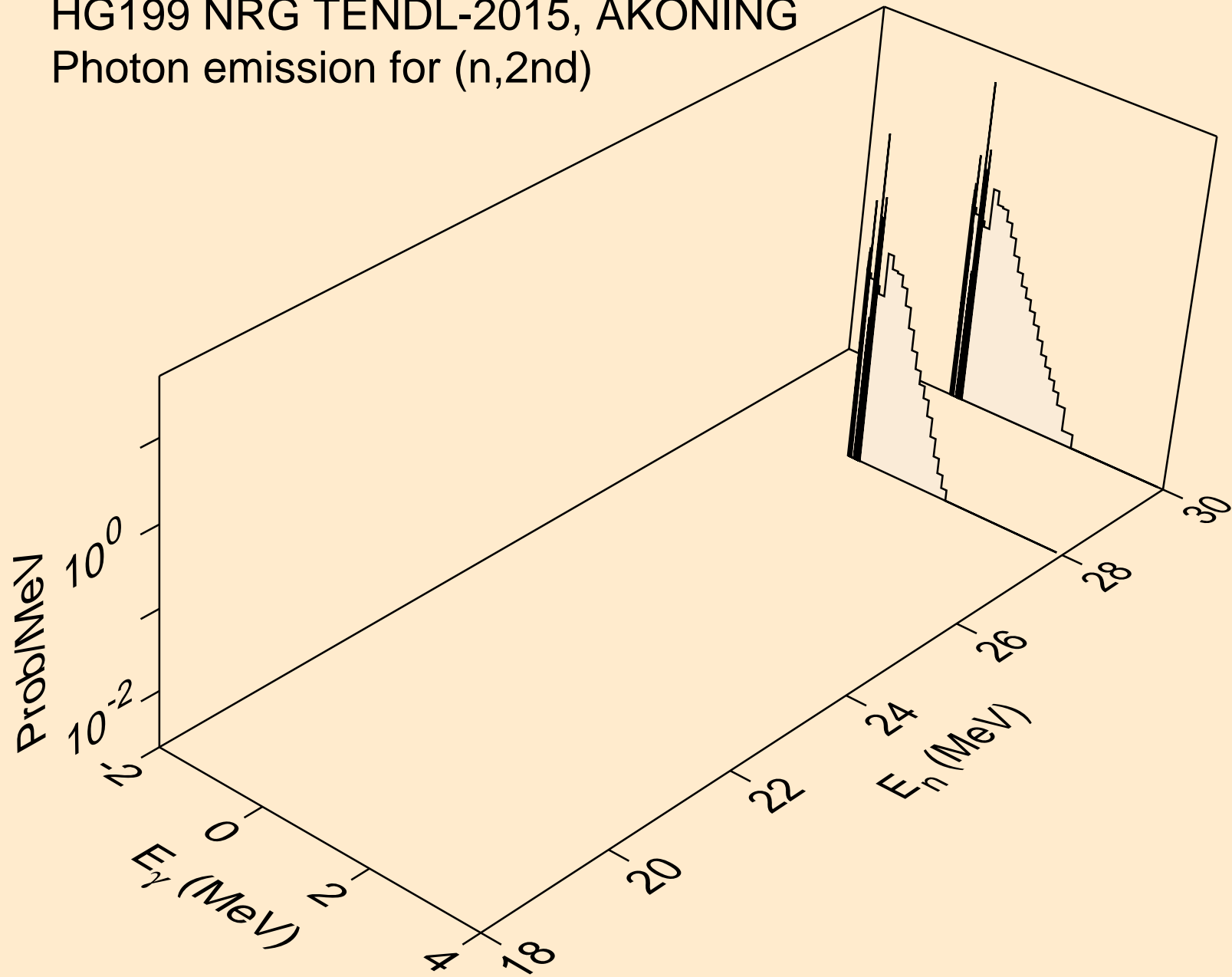
HG199 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



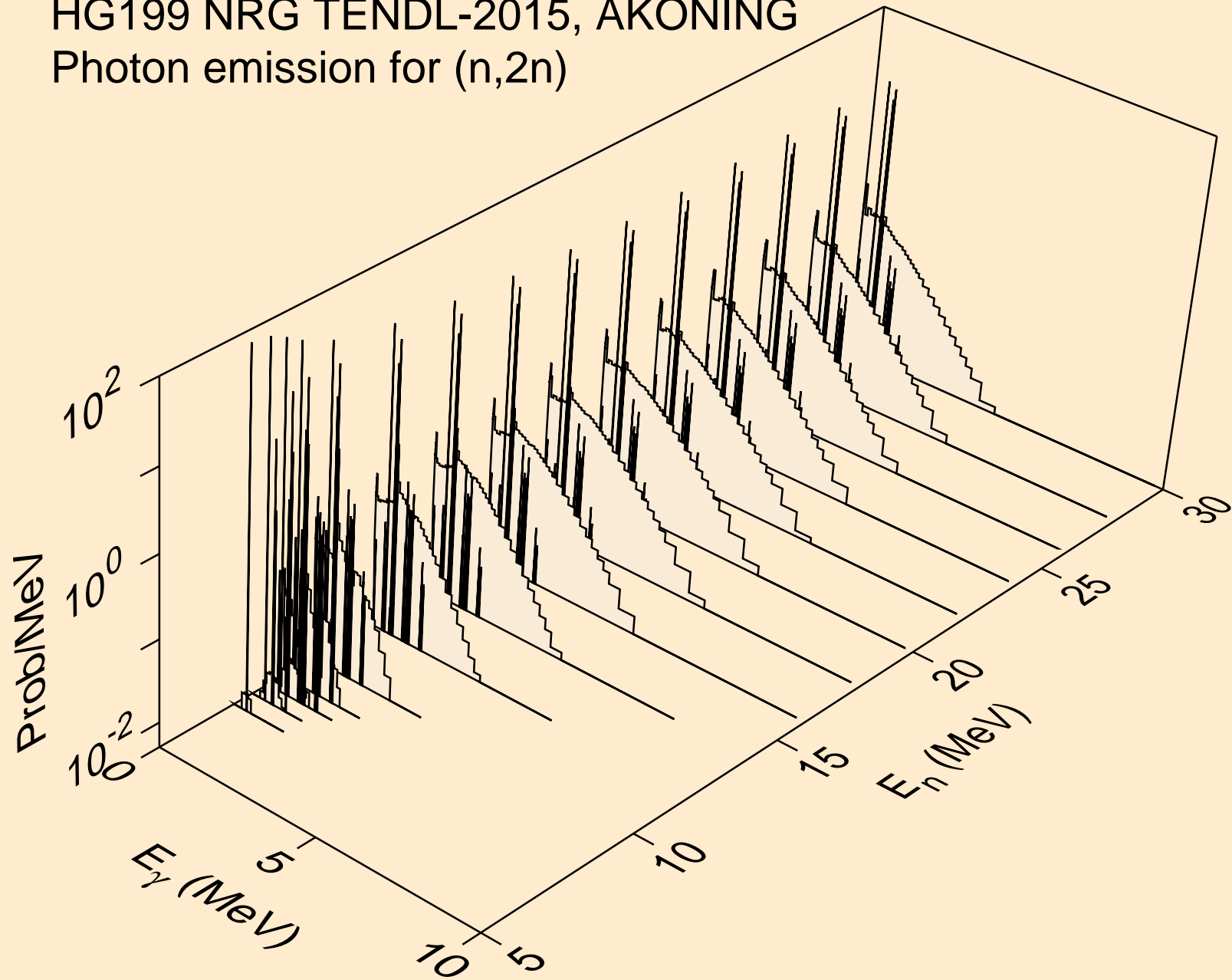
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



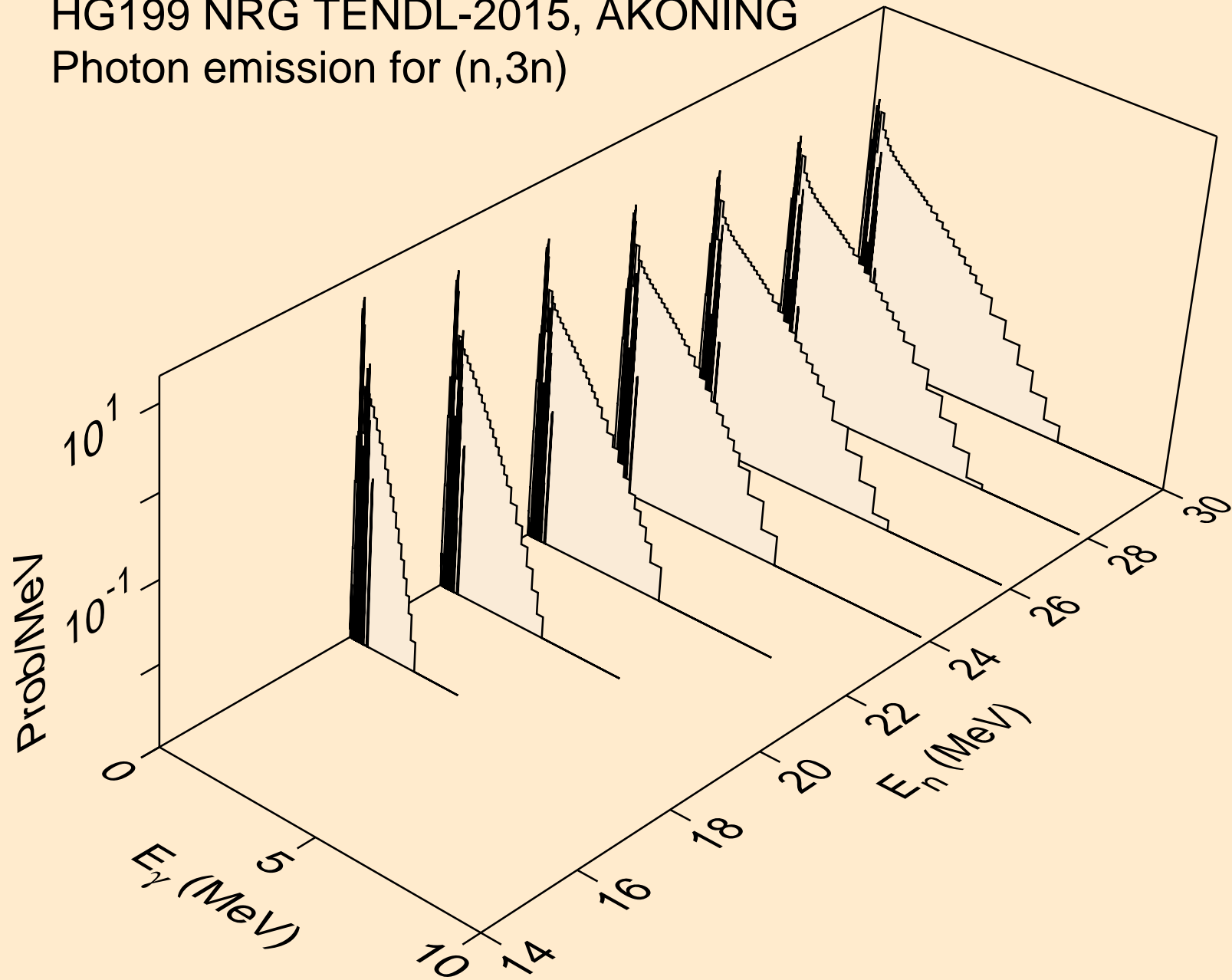
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



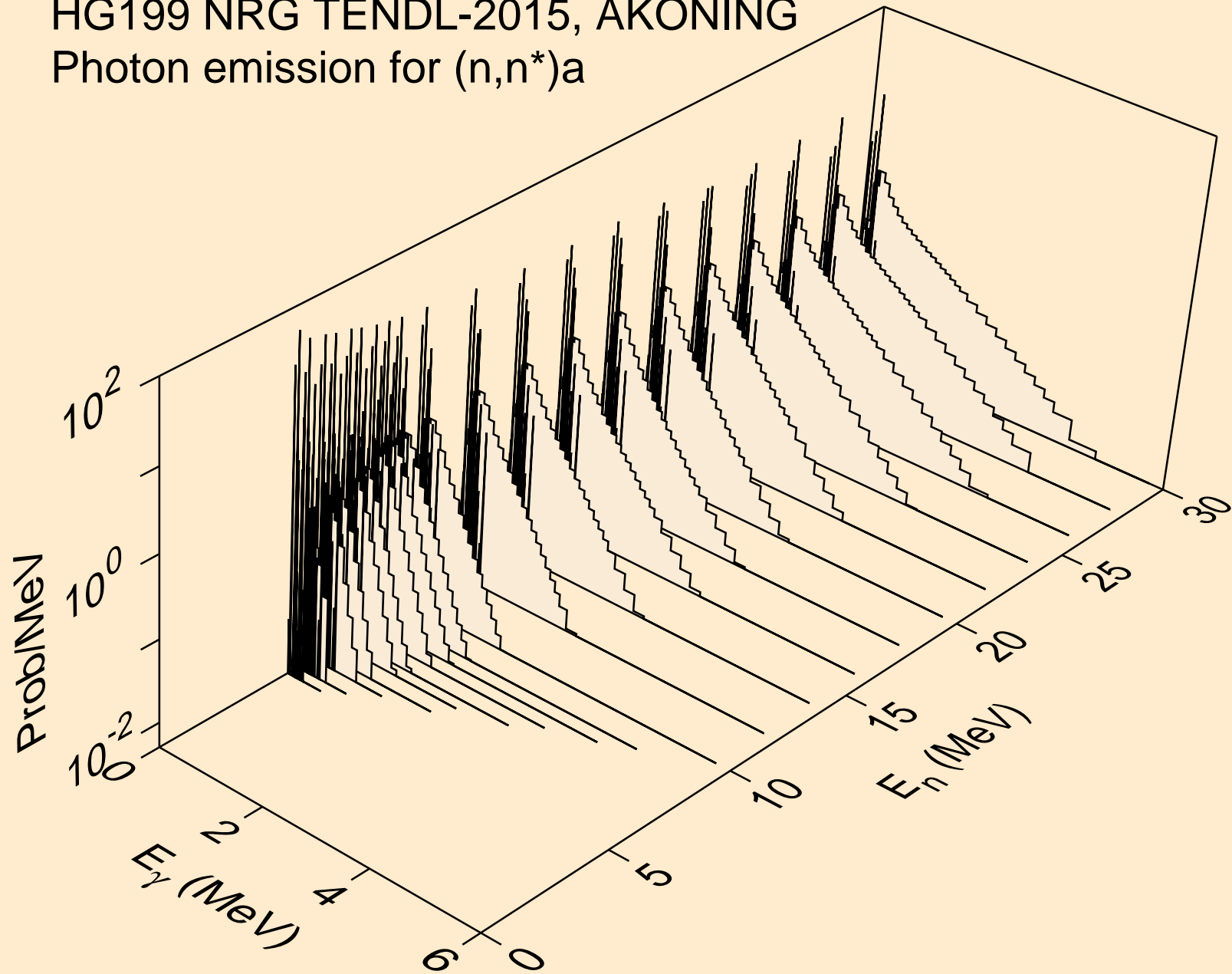
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



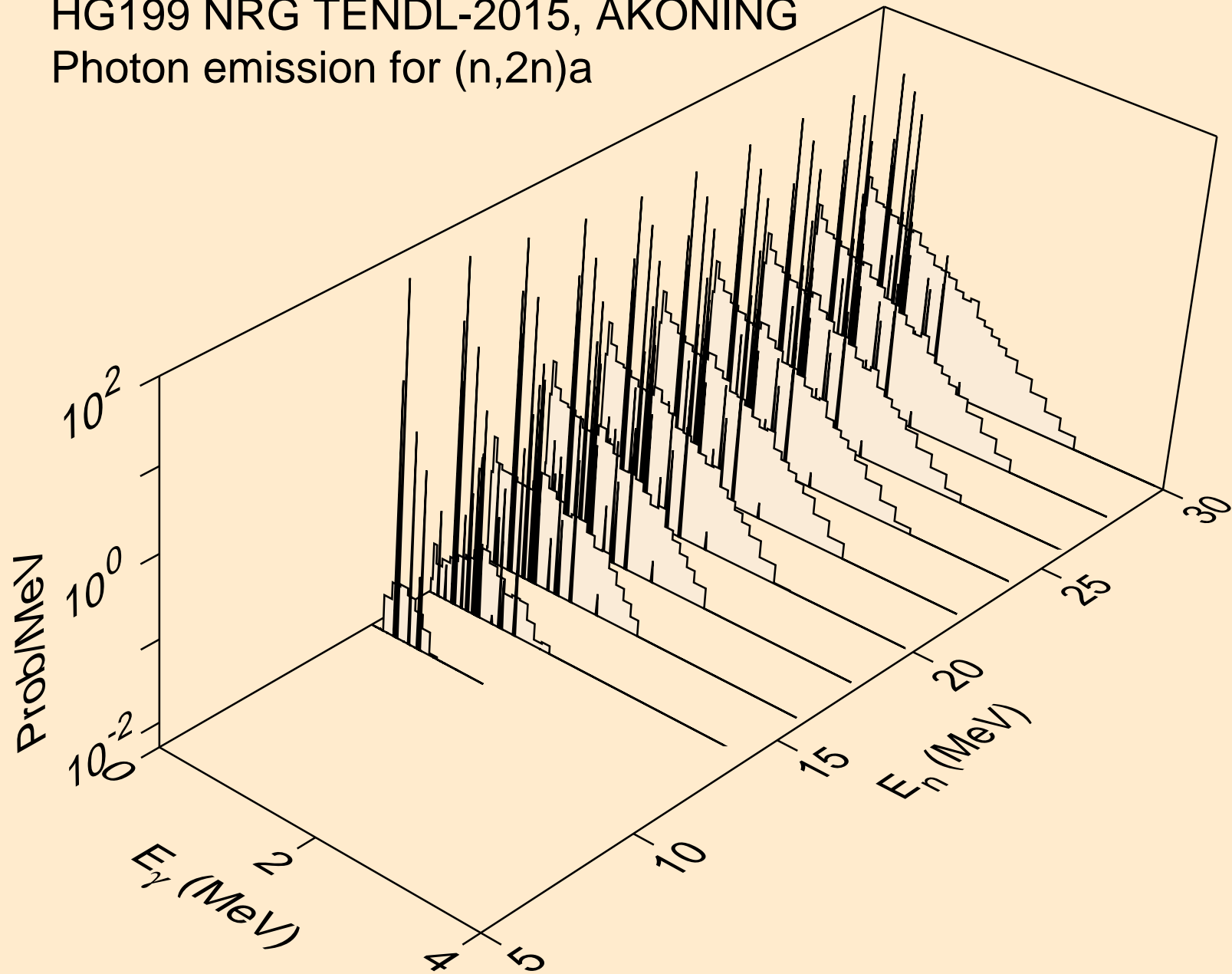
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

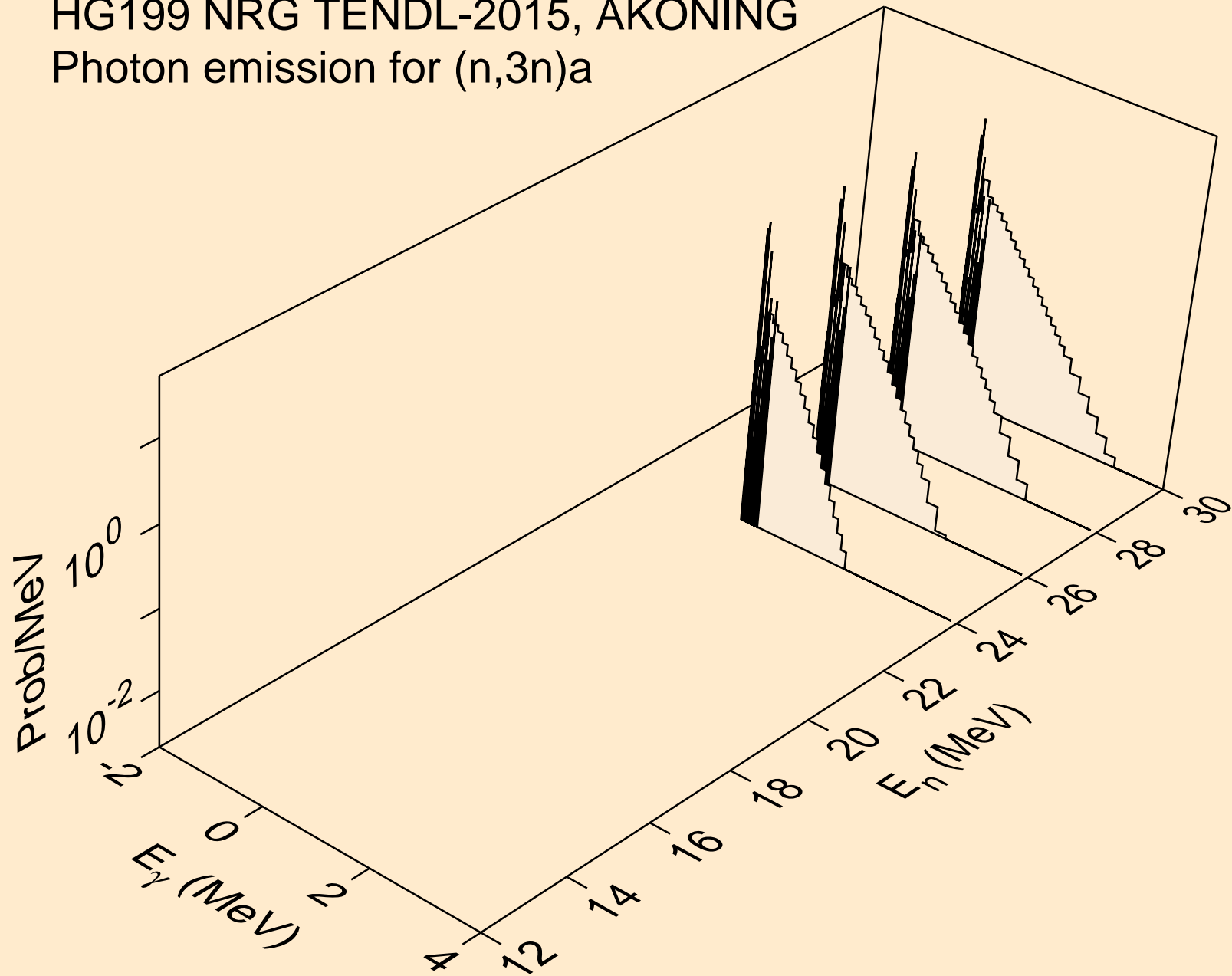


HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

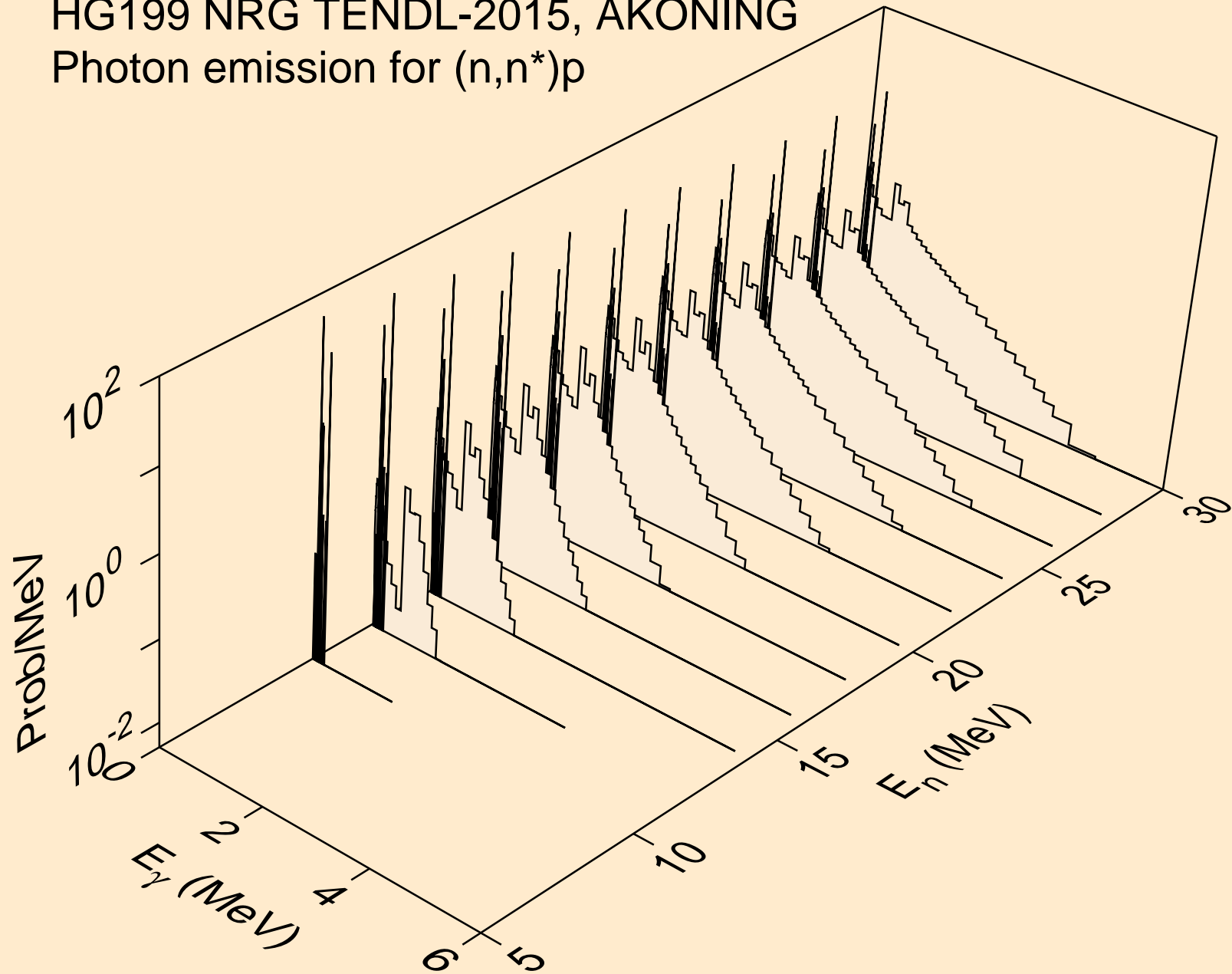




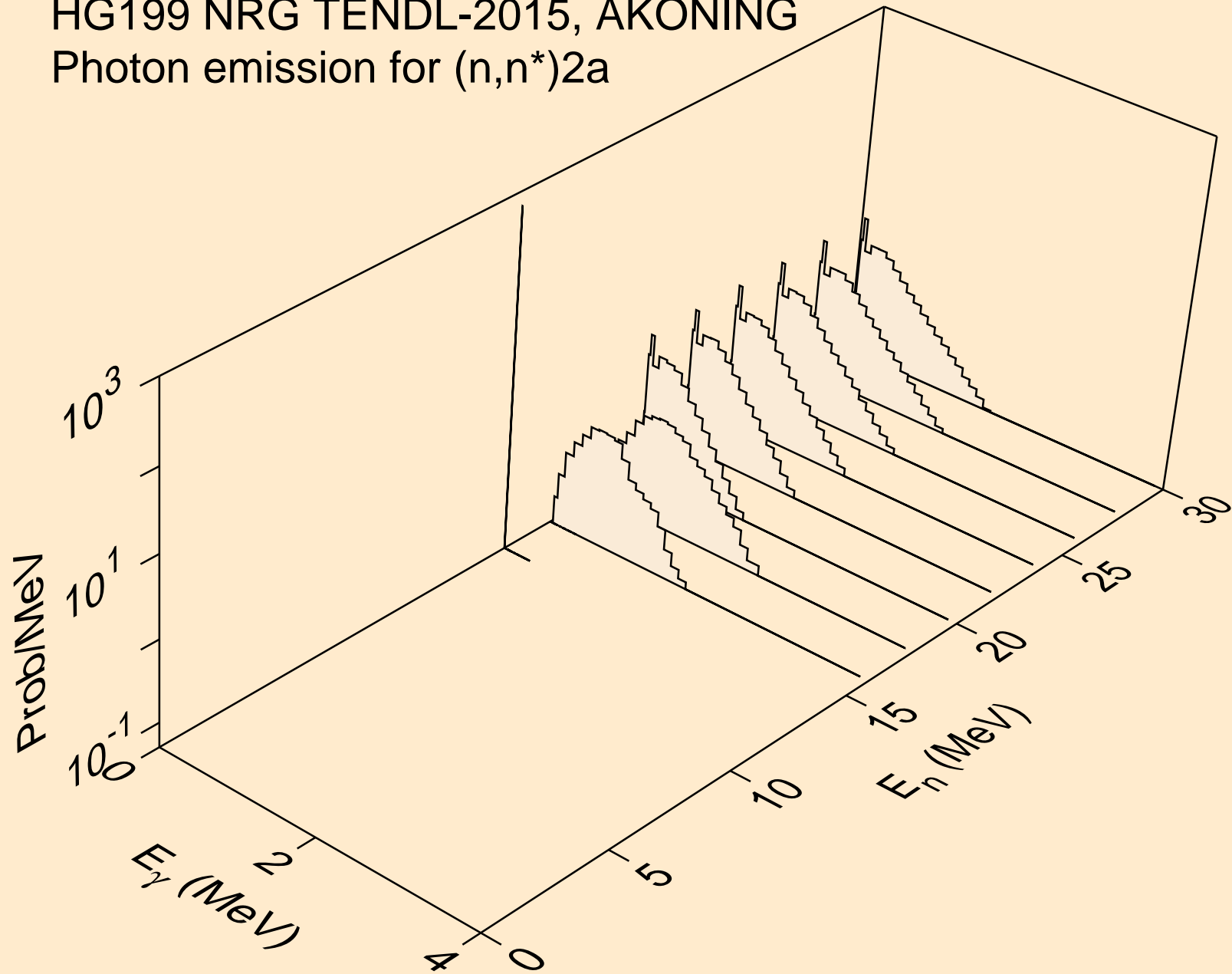
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



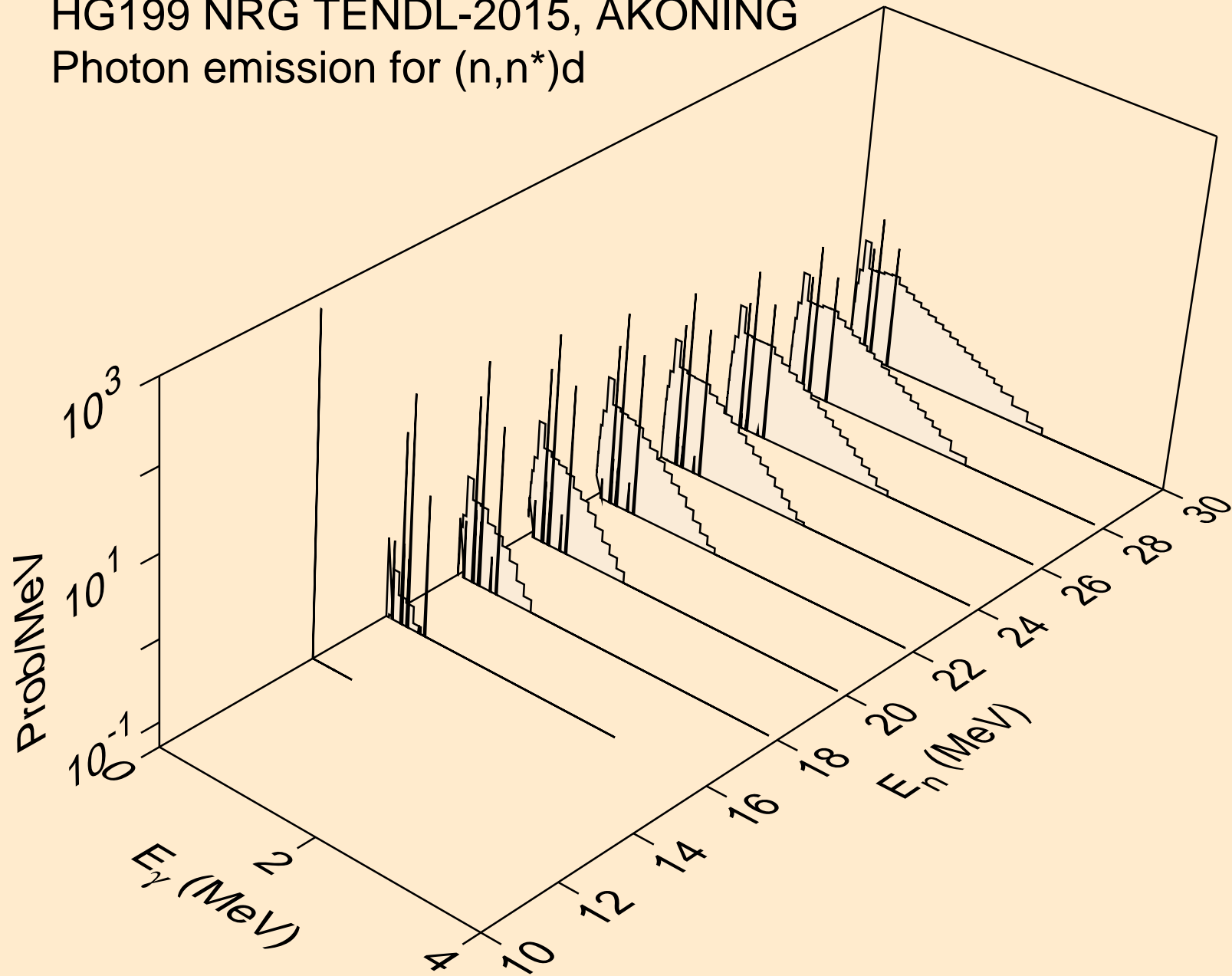
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



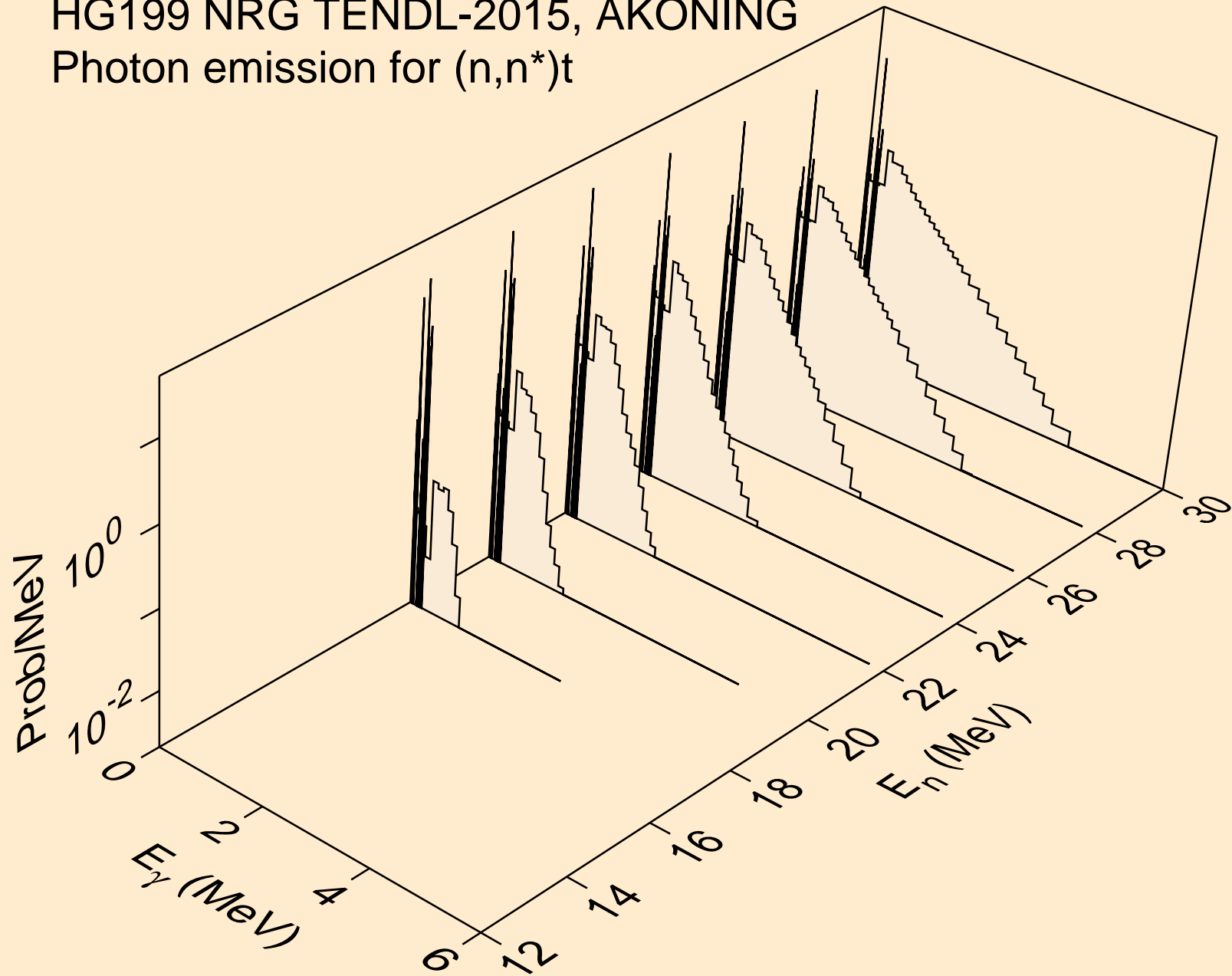
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



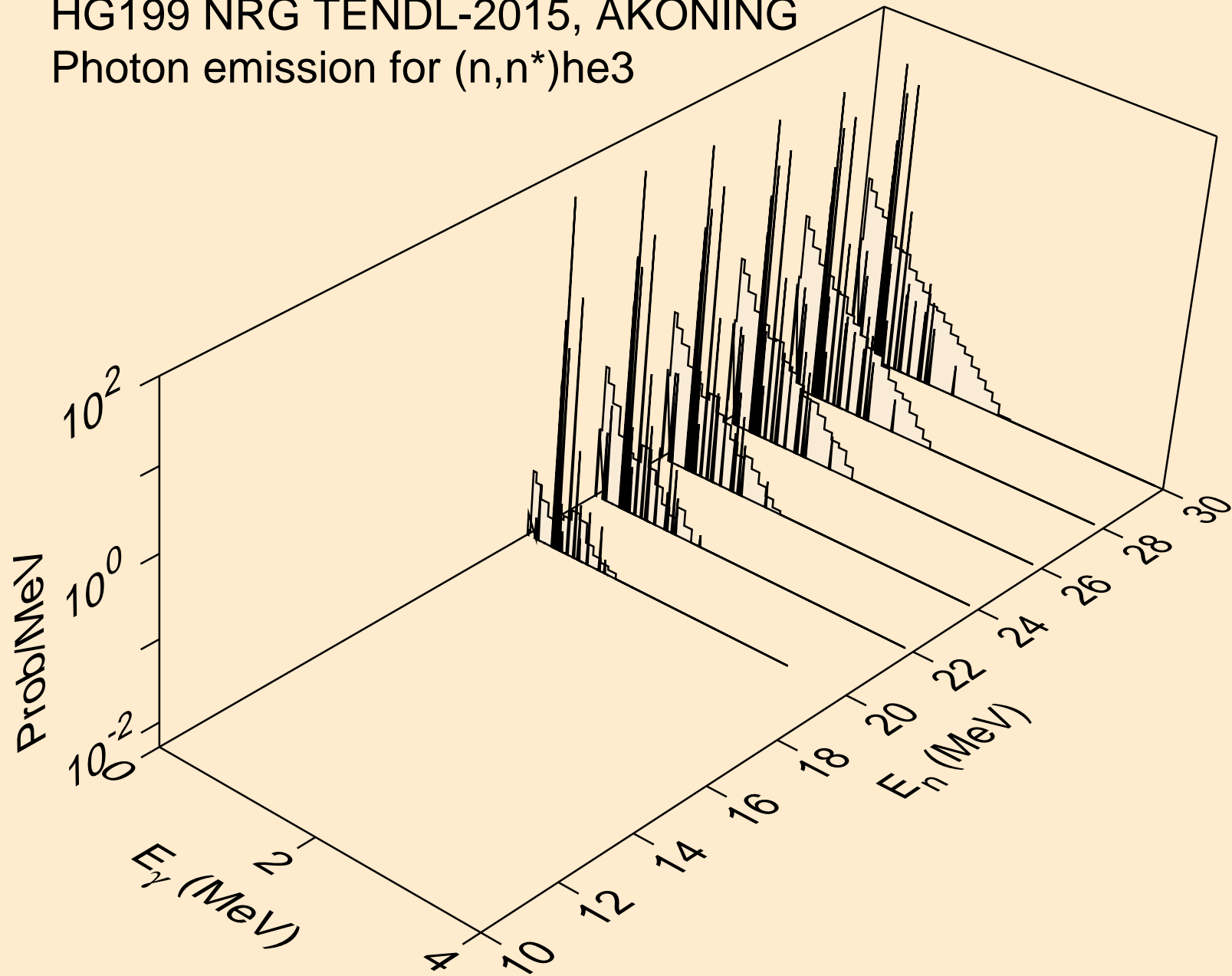
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



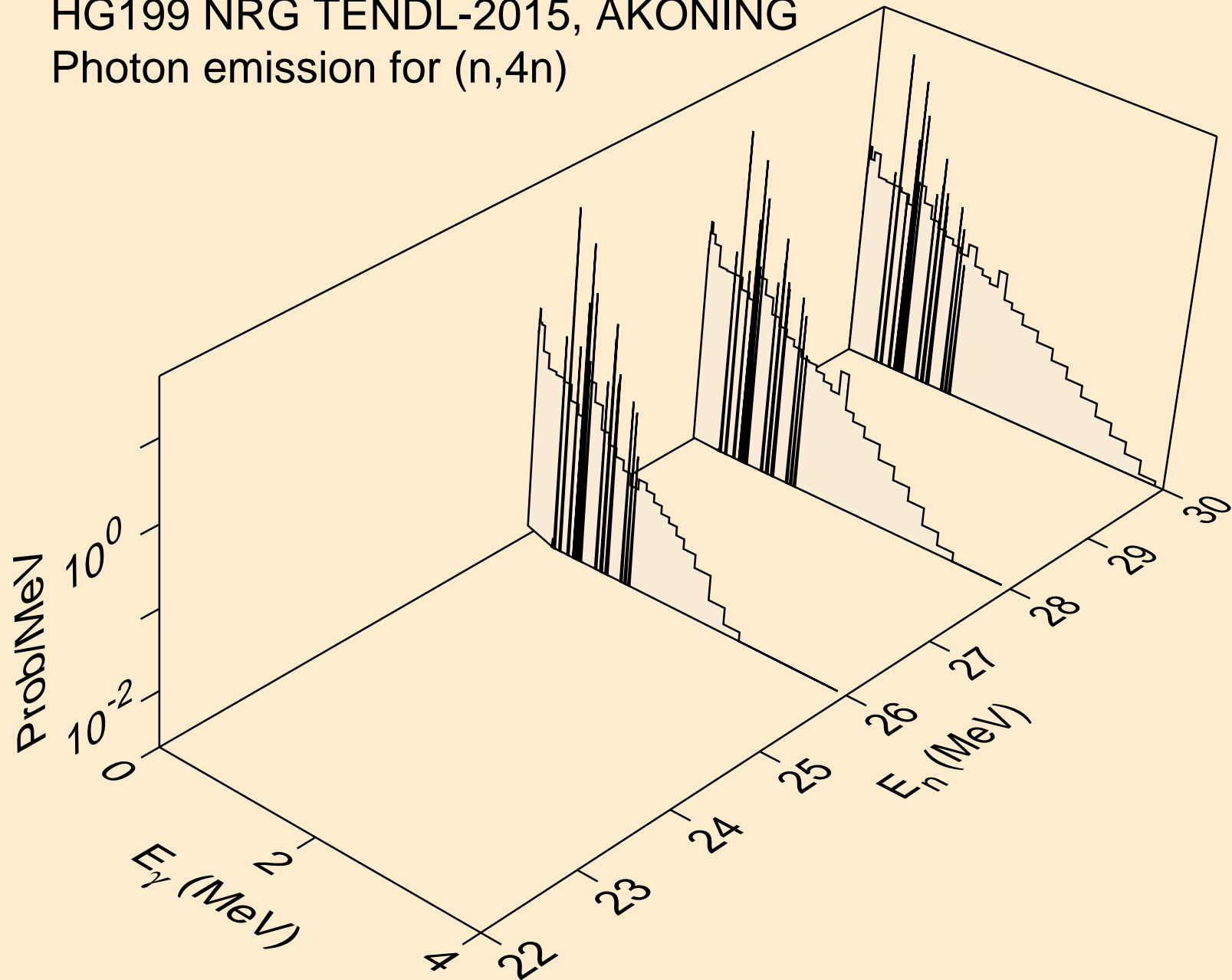
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



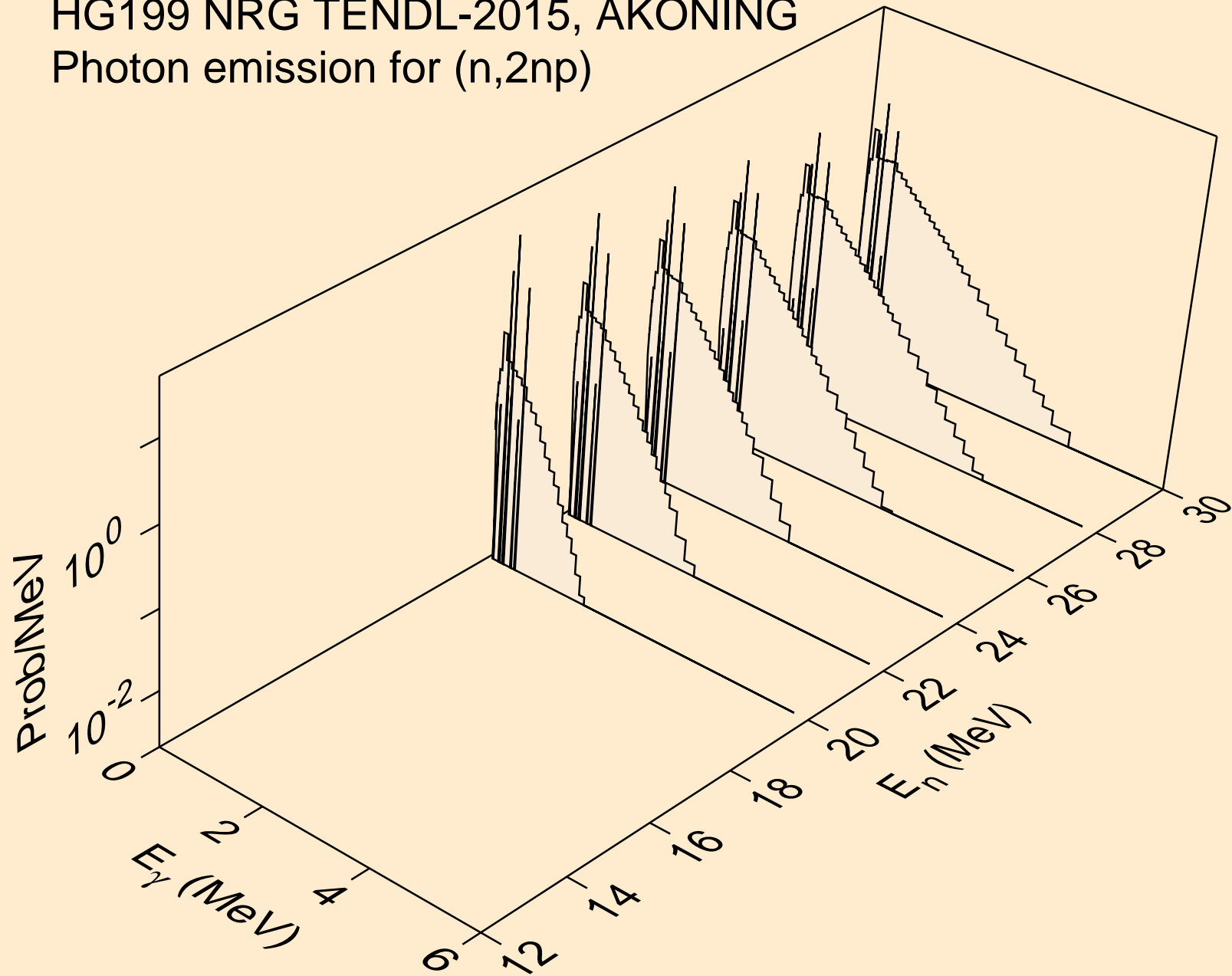
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

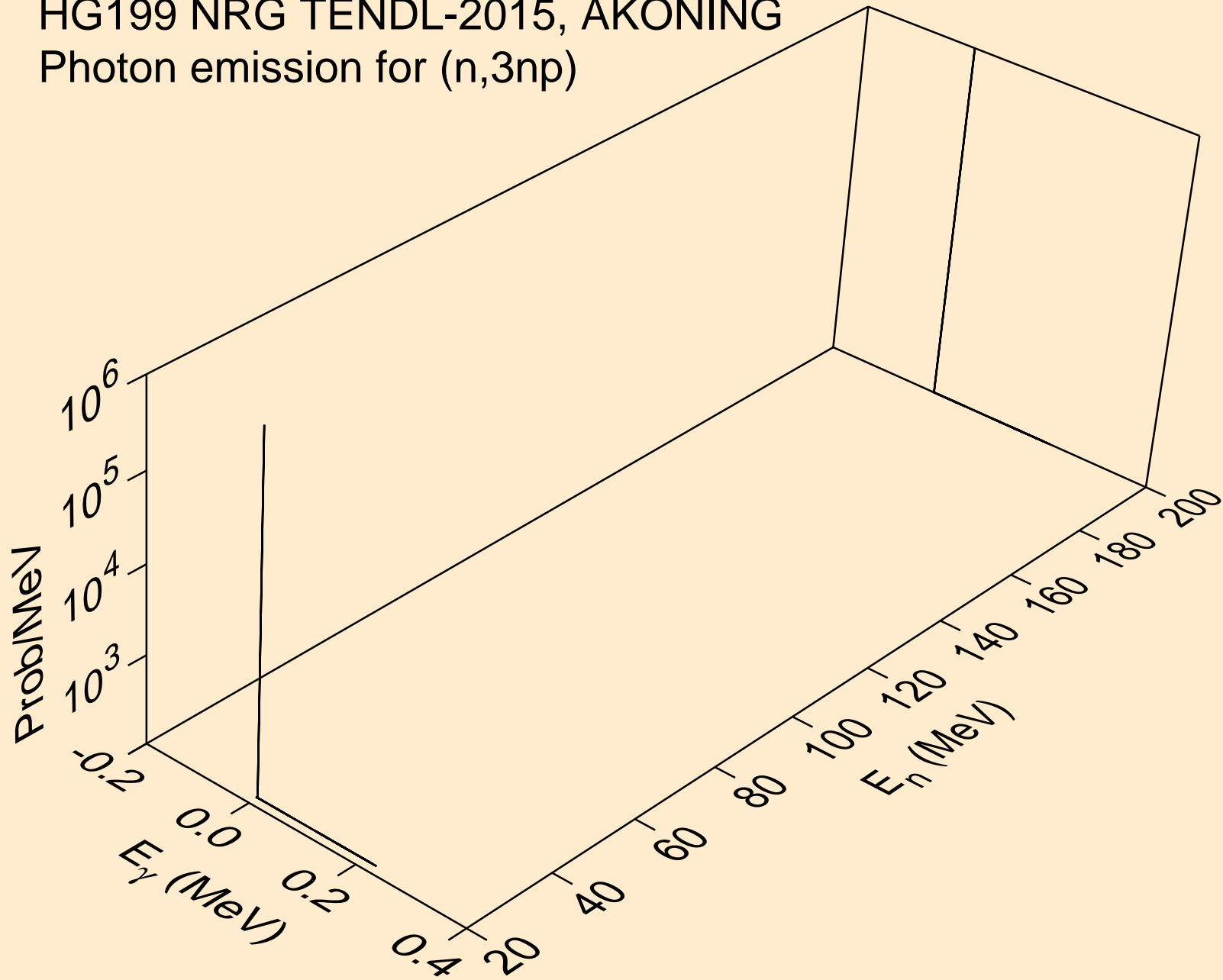


HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

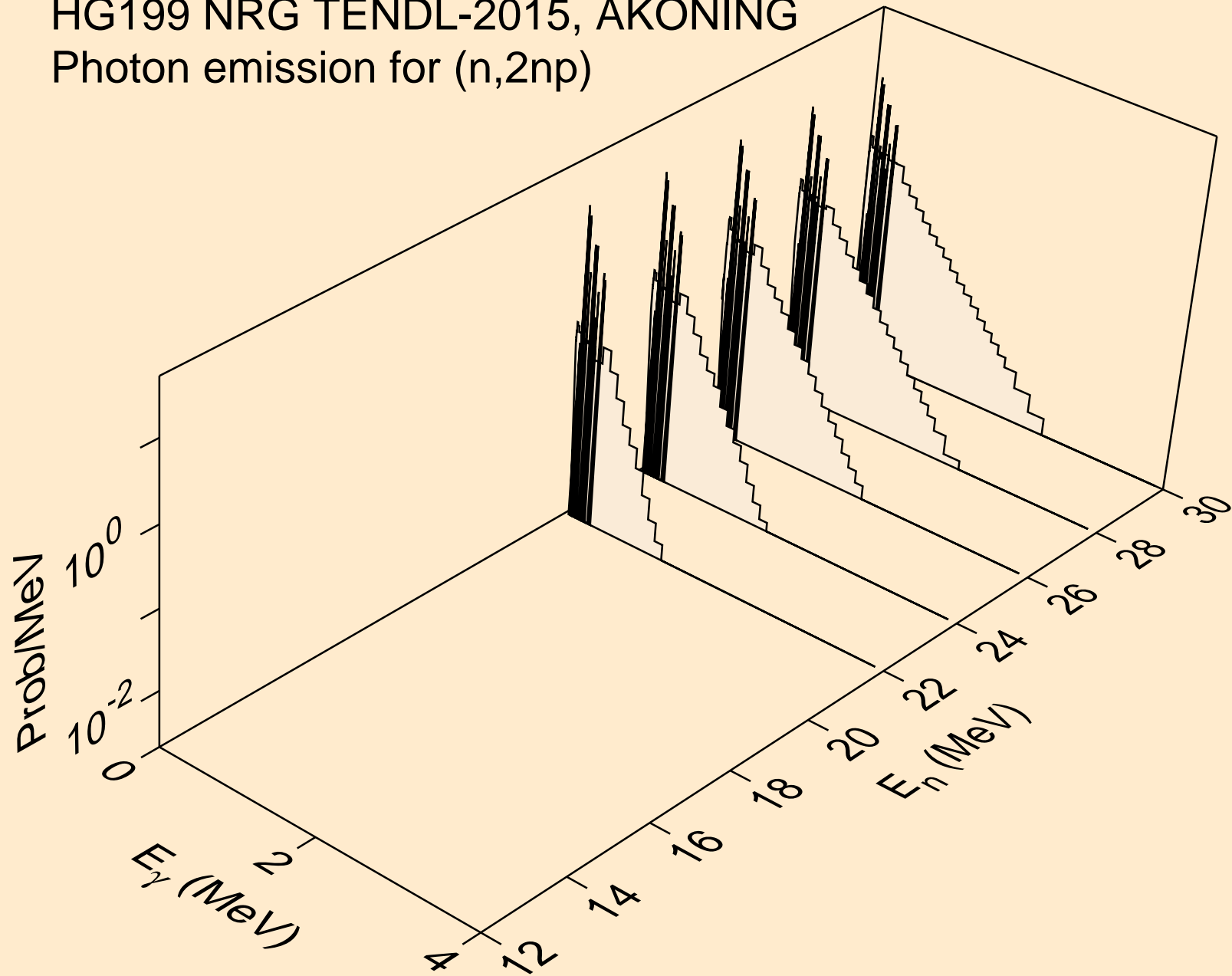




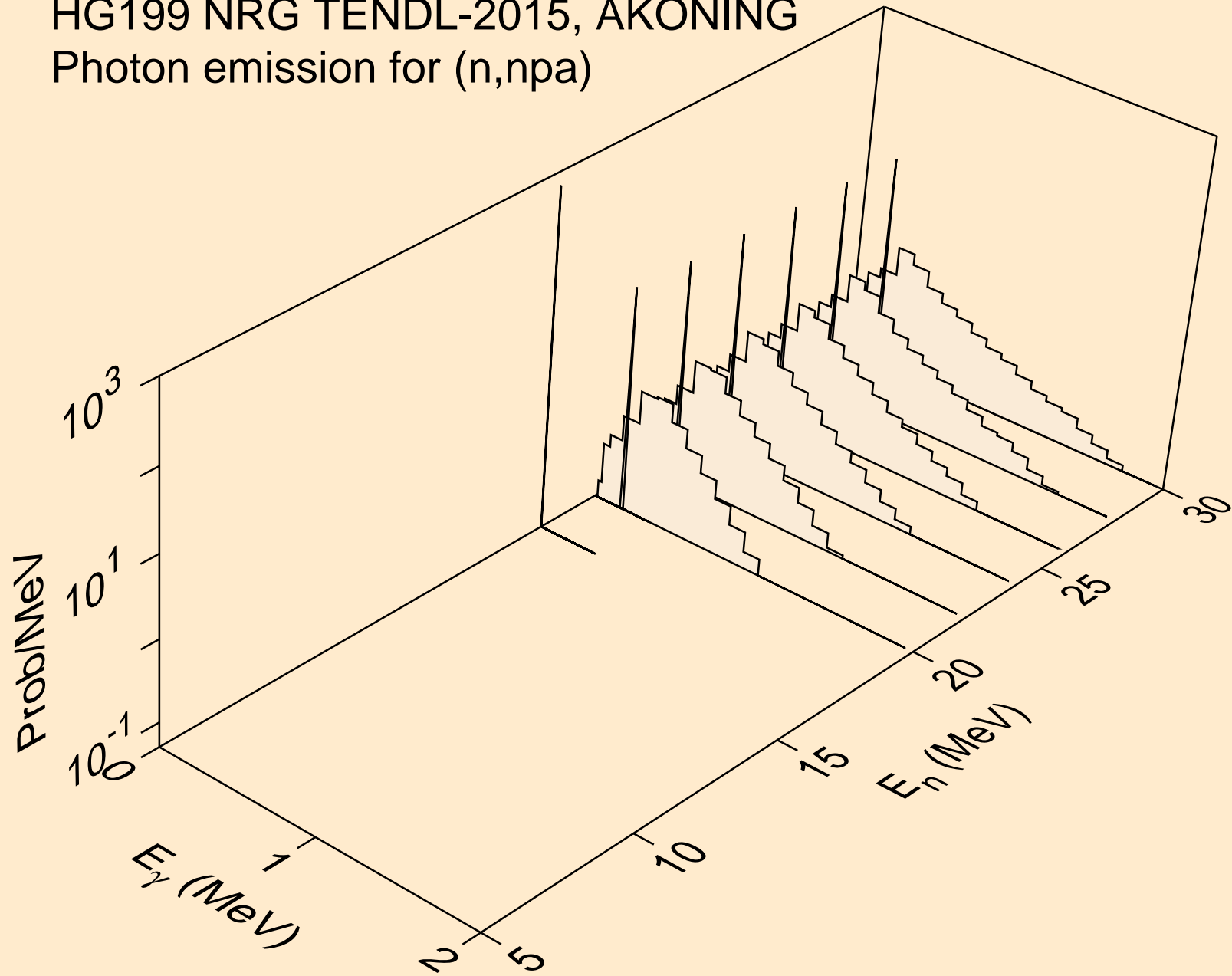
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



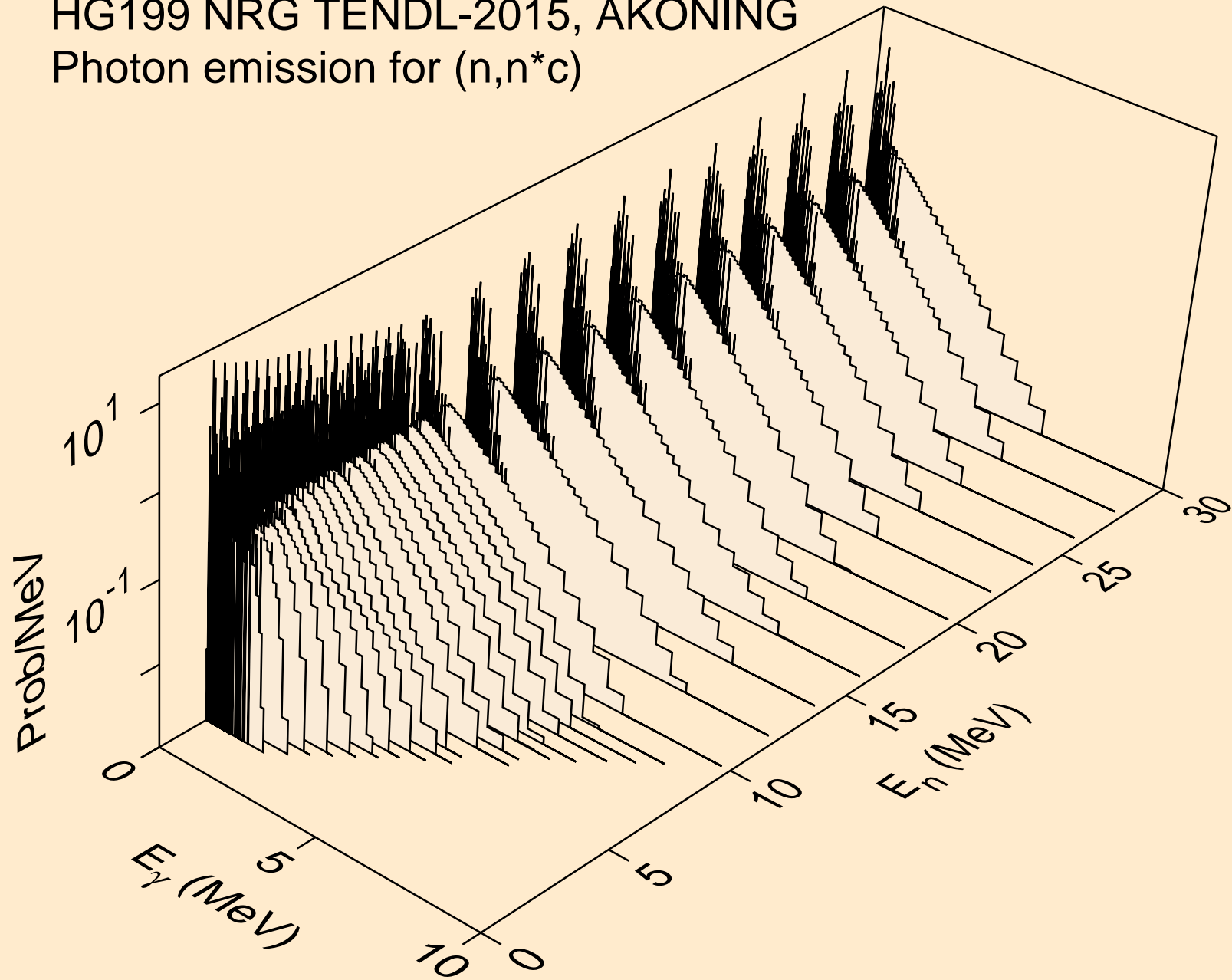
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



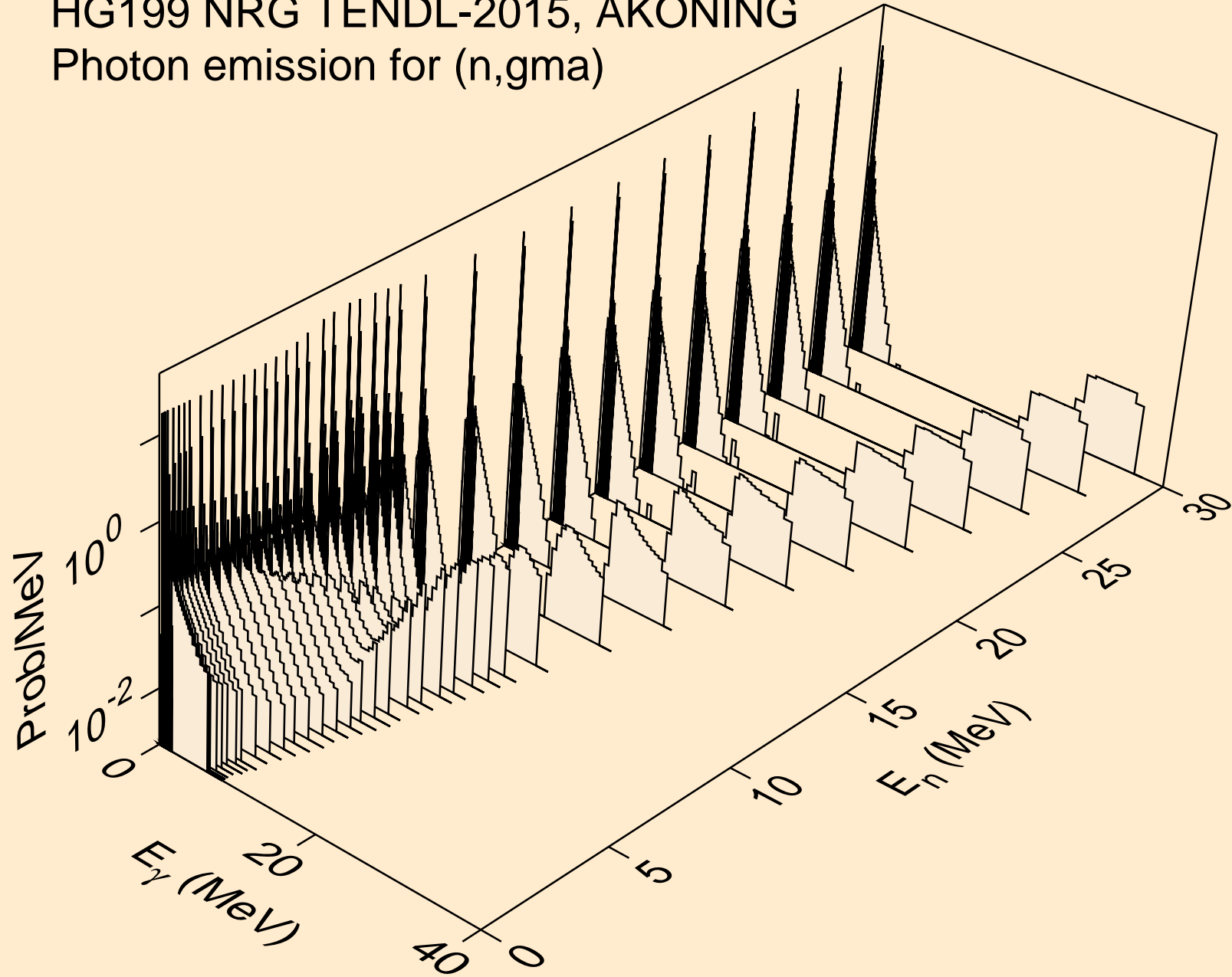
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



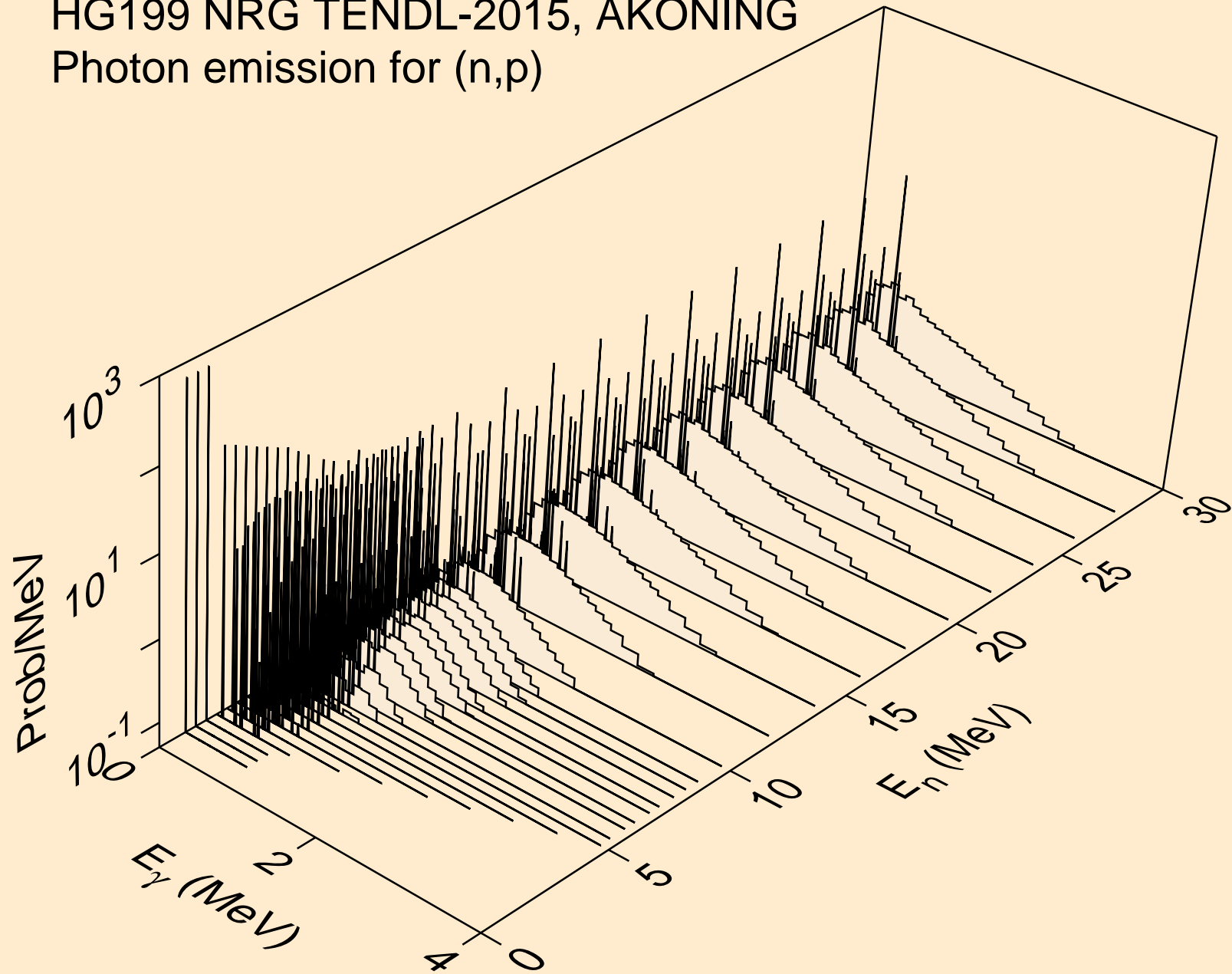
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



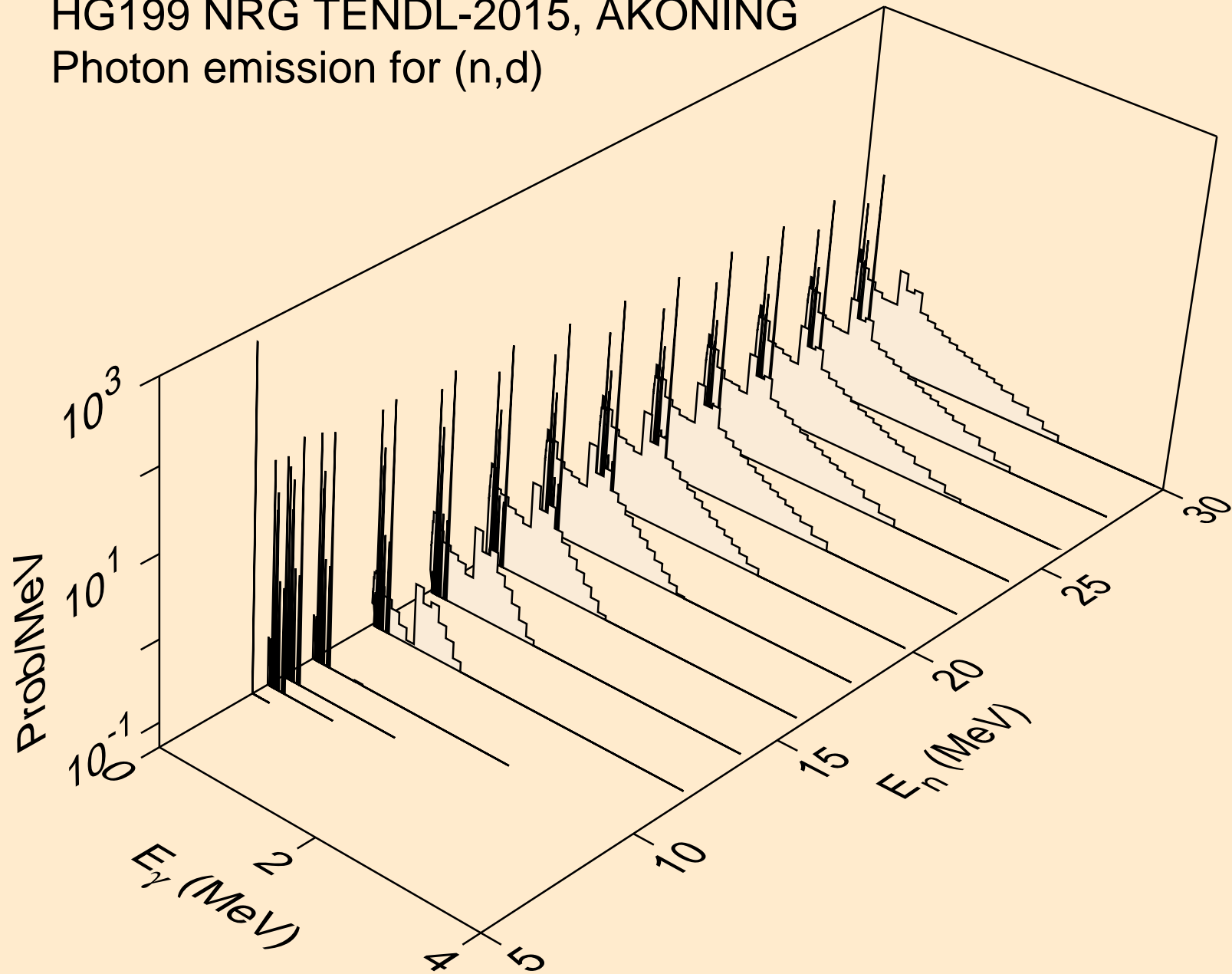
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



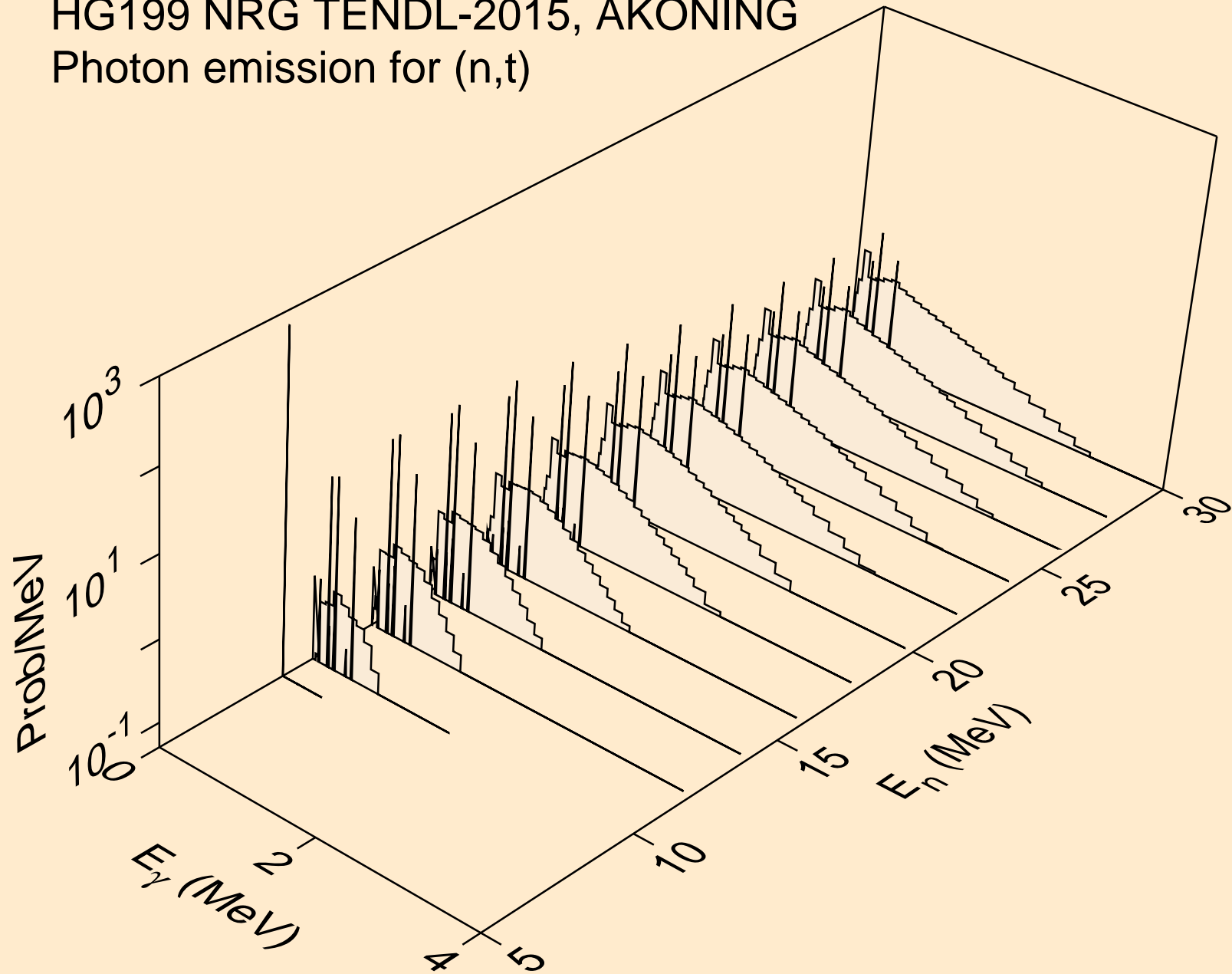
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

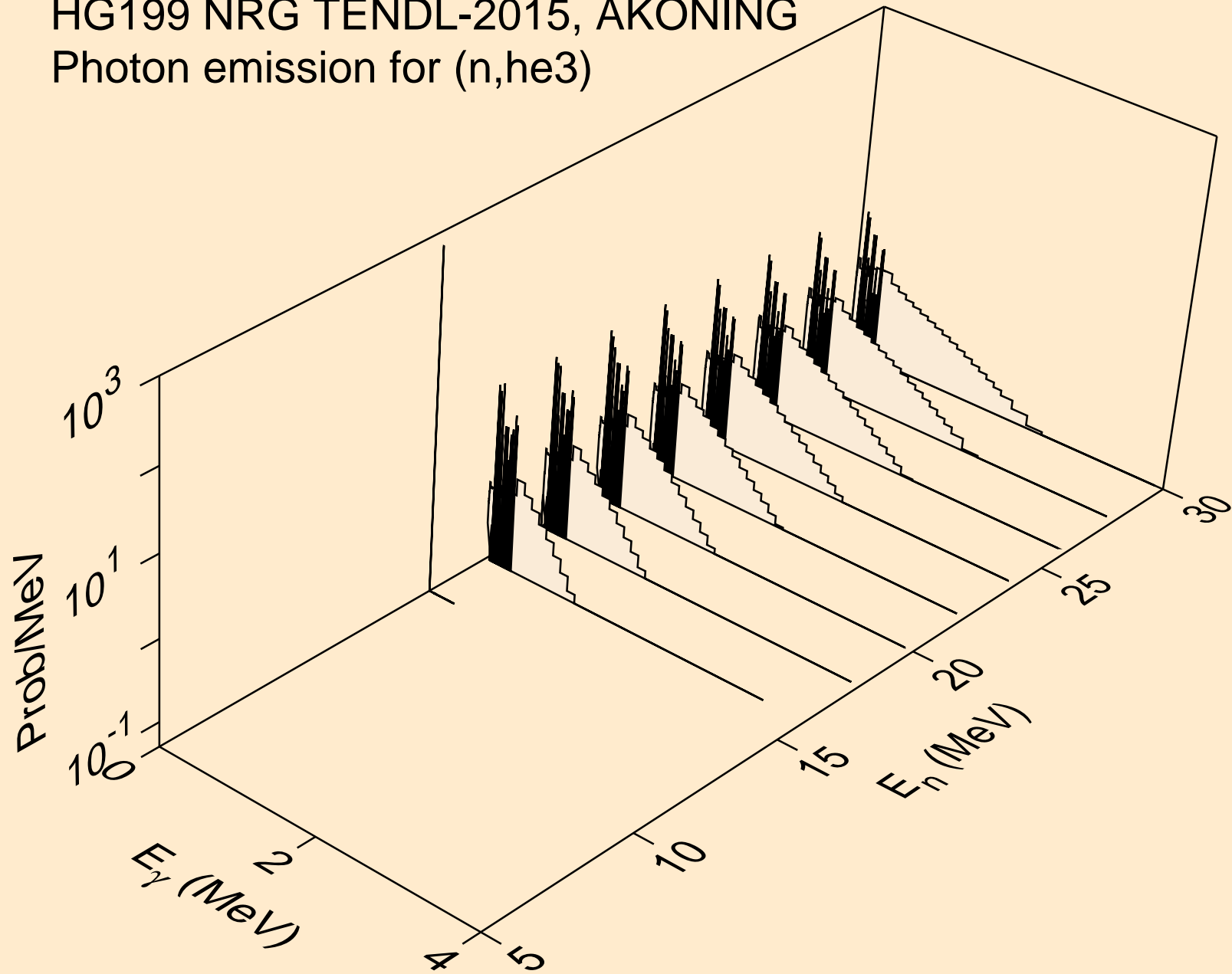


HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

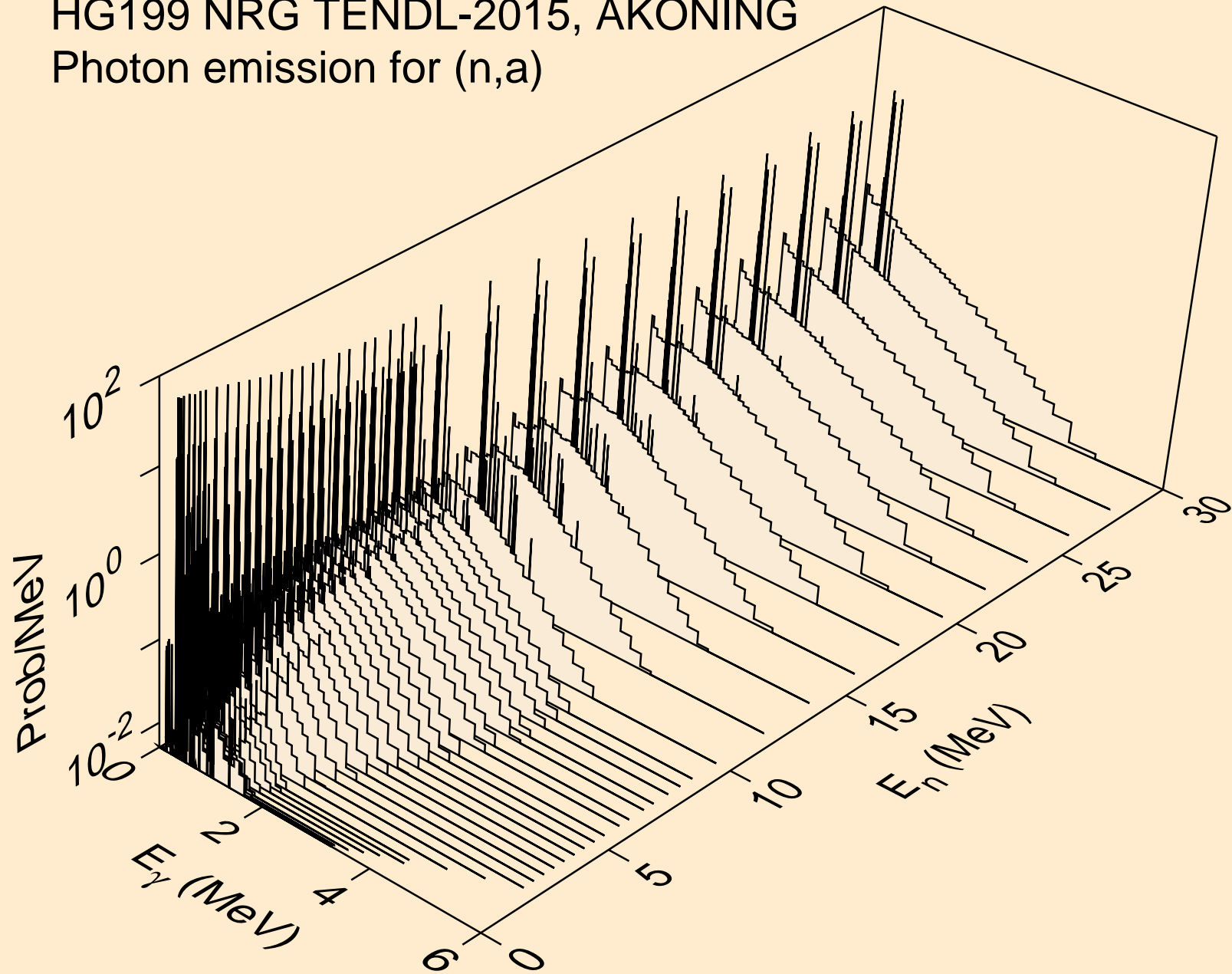




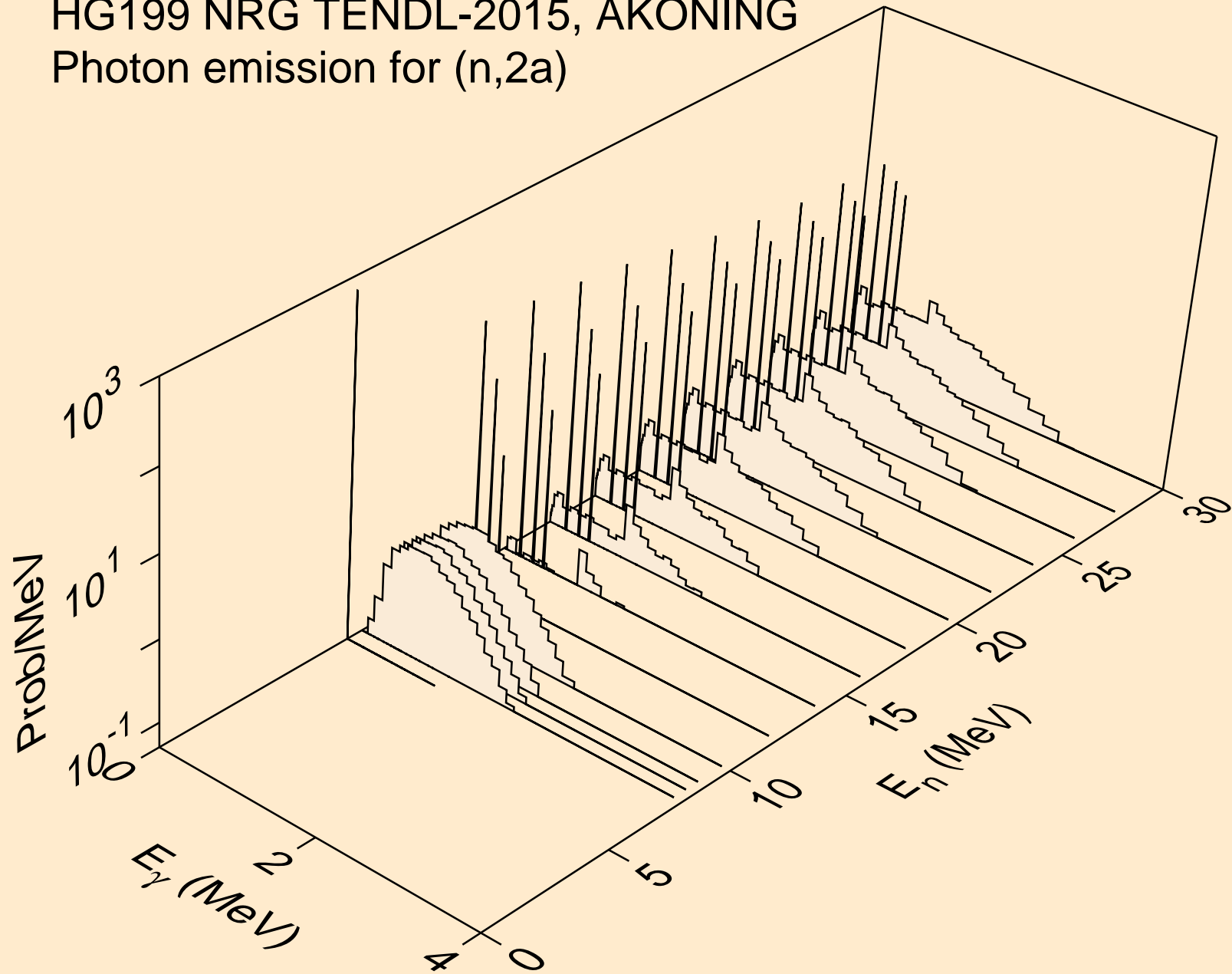
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



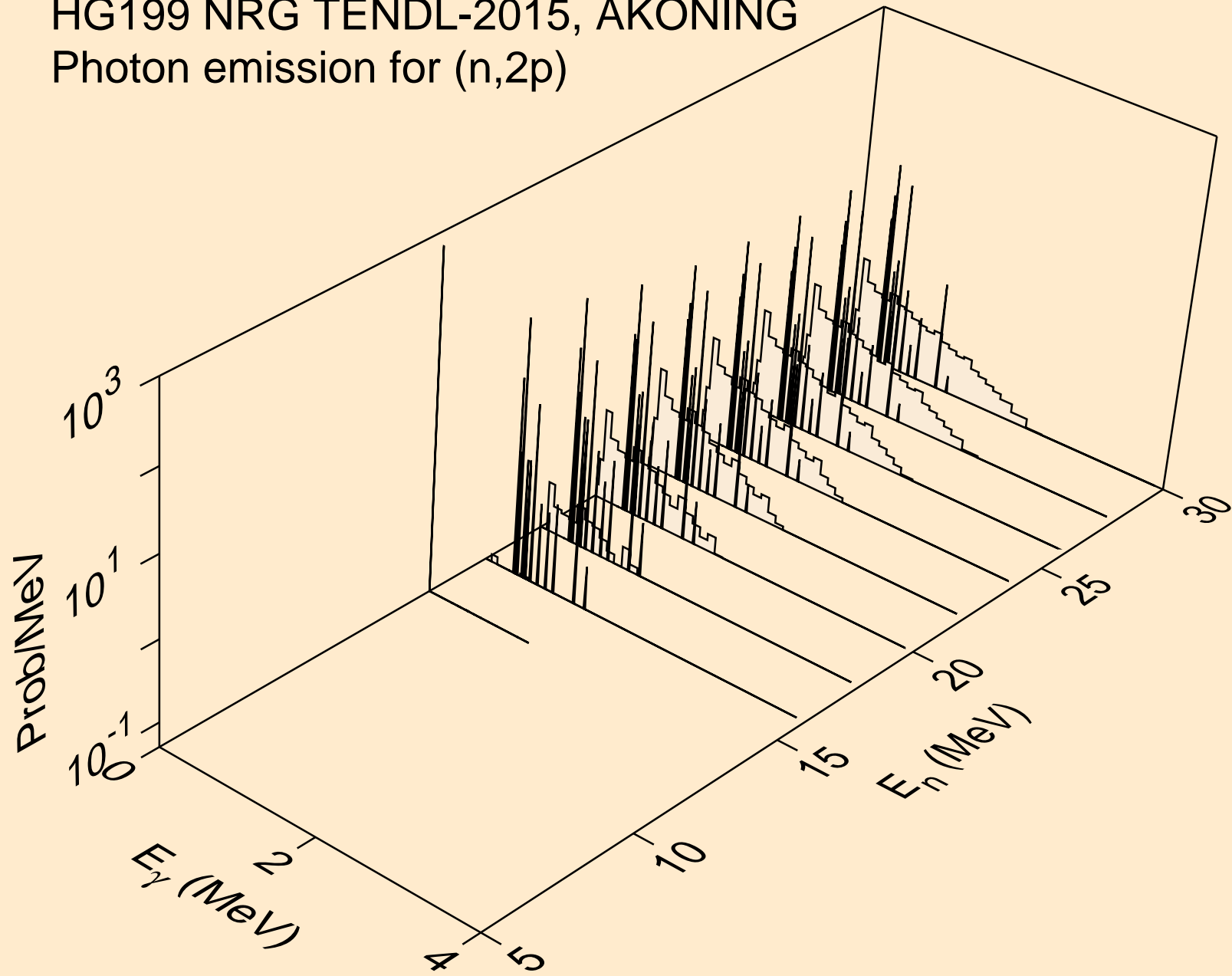
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



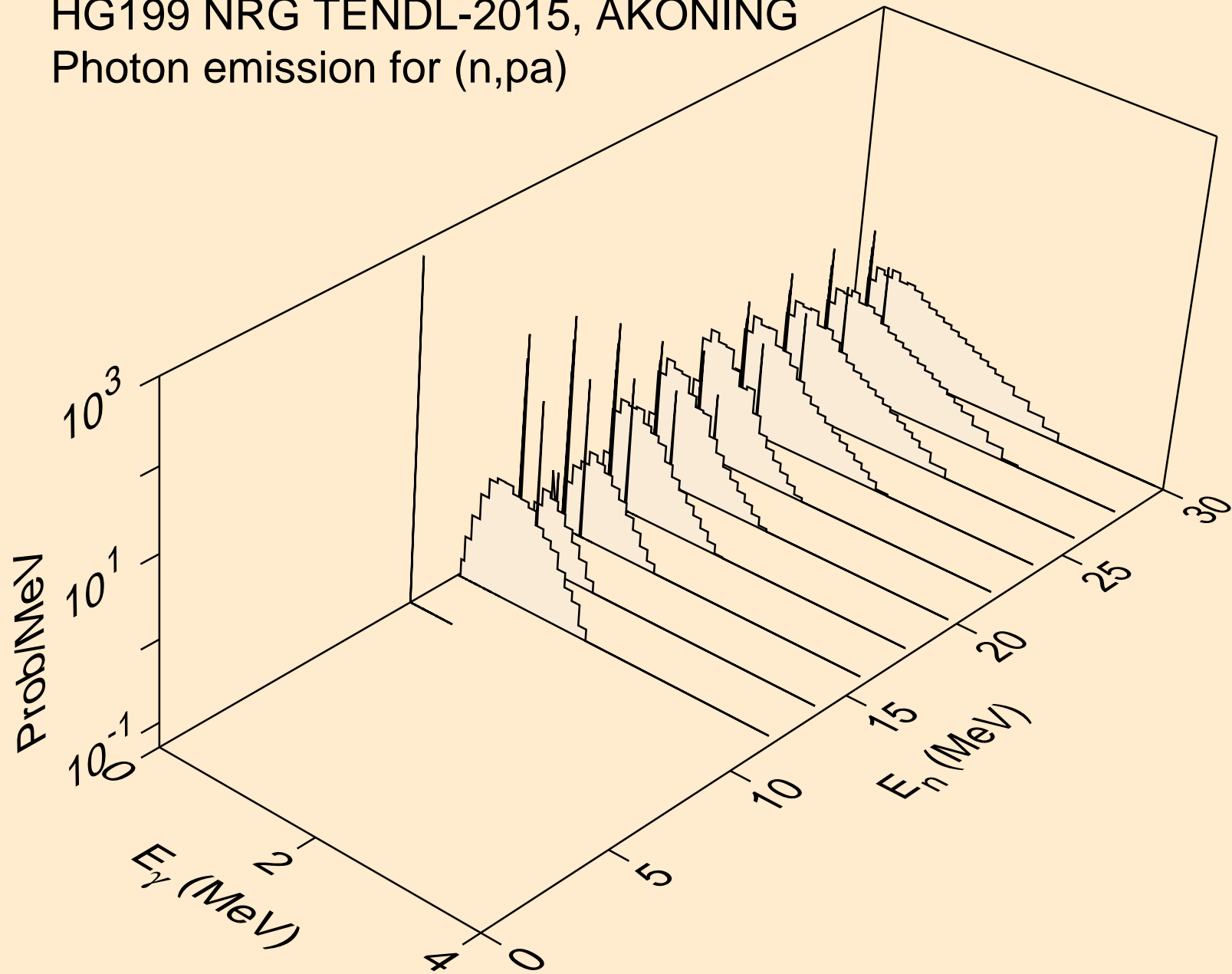
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



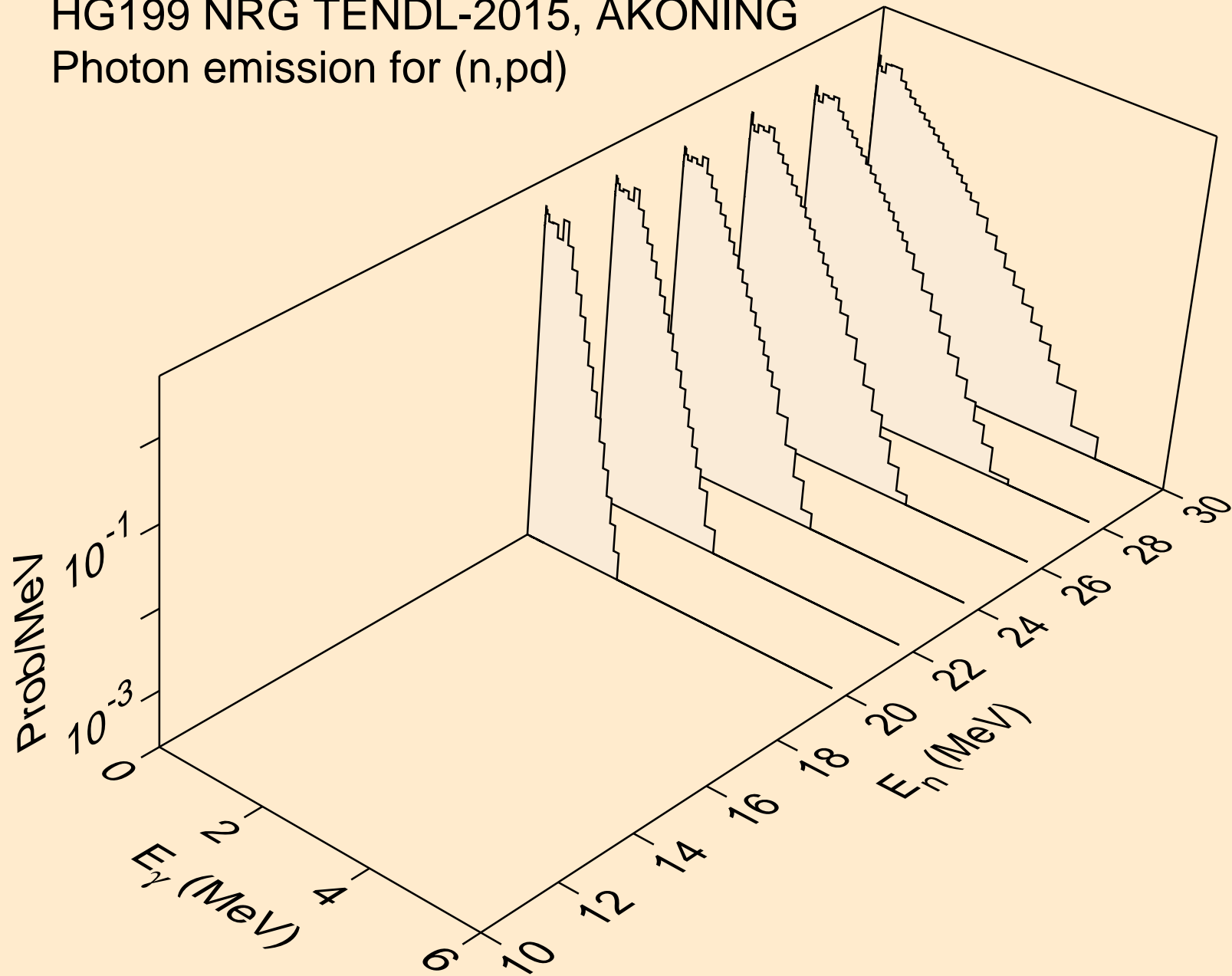
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



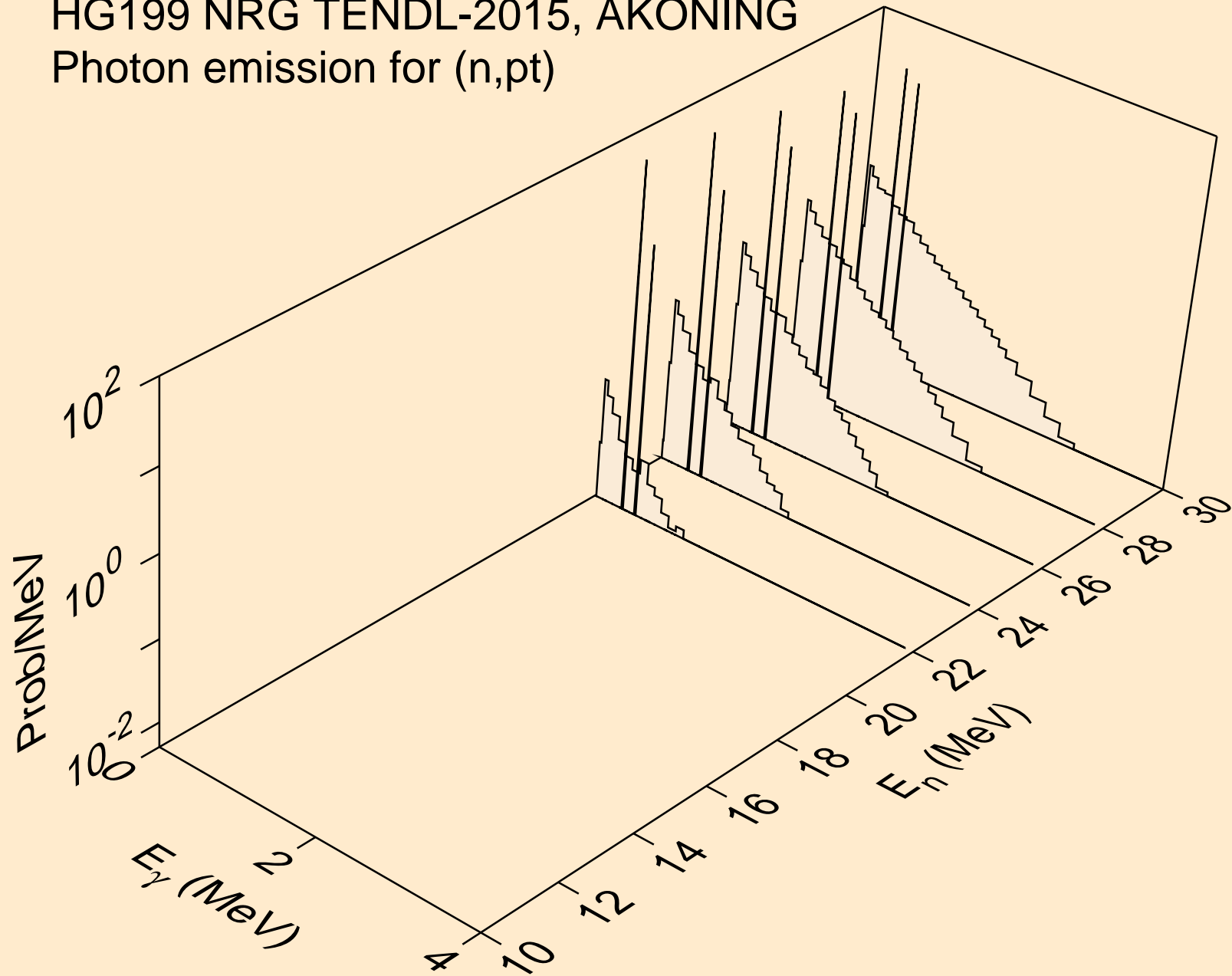
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



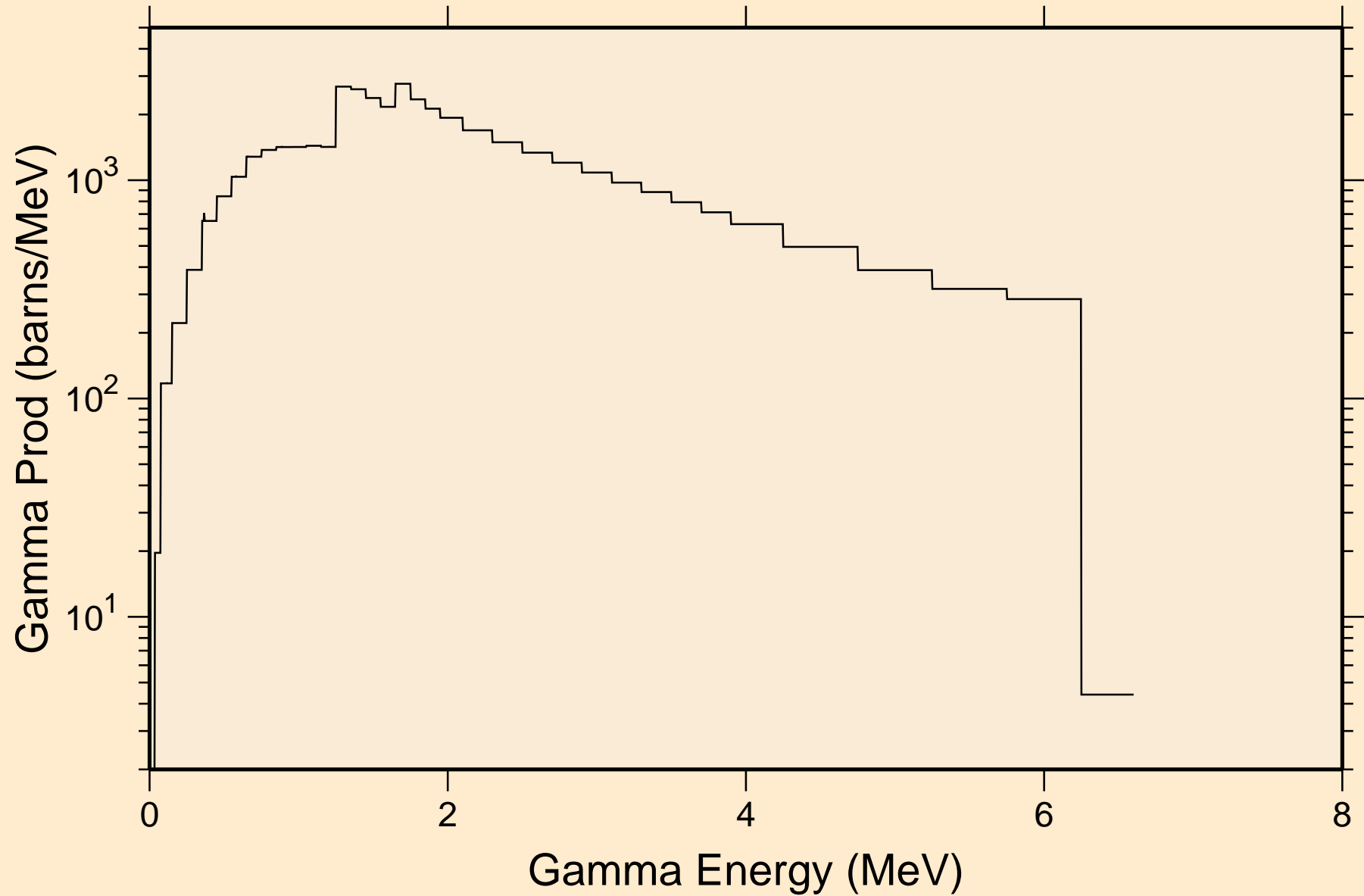
HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



HG199 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

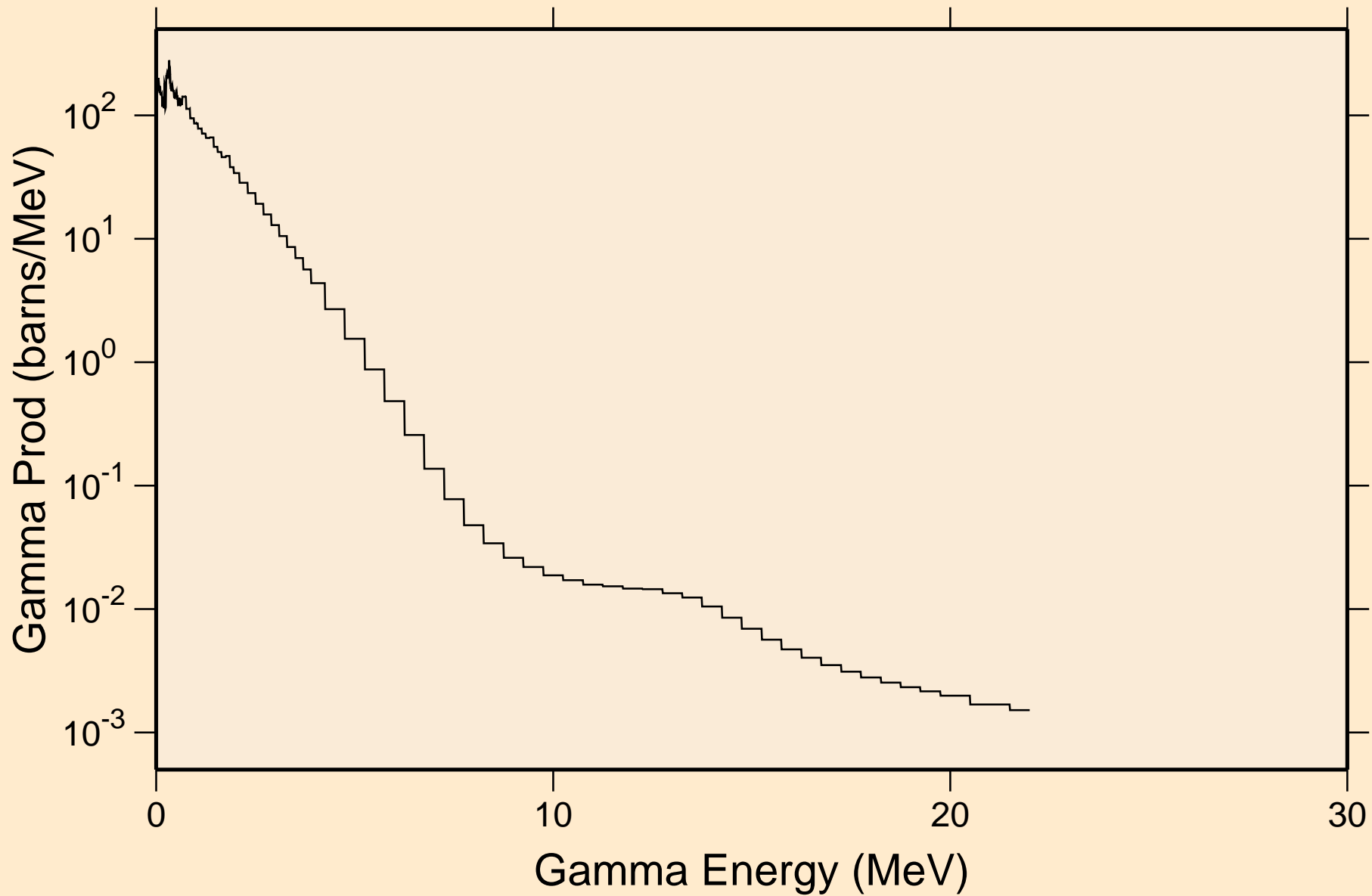


HG199 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



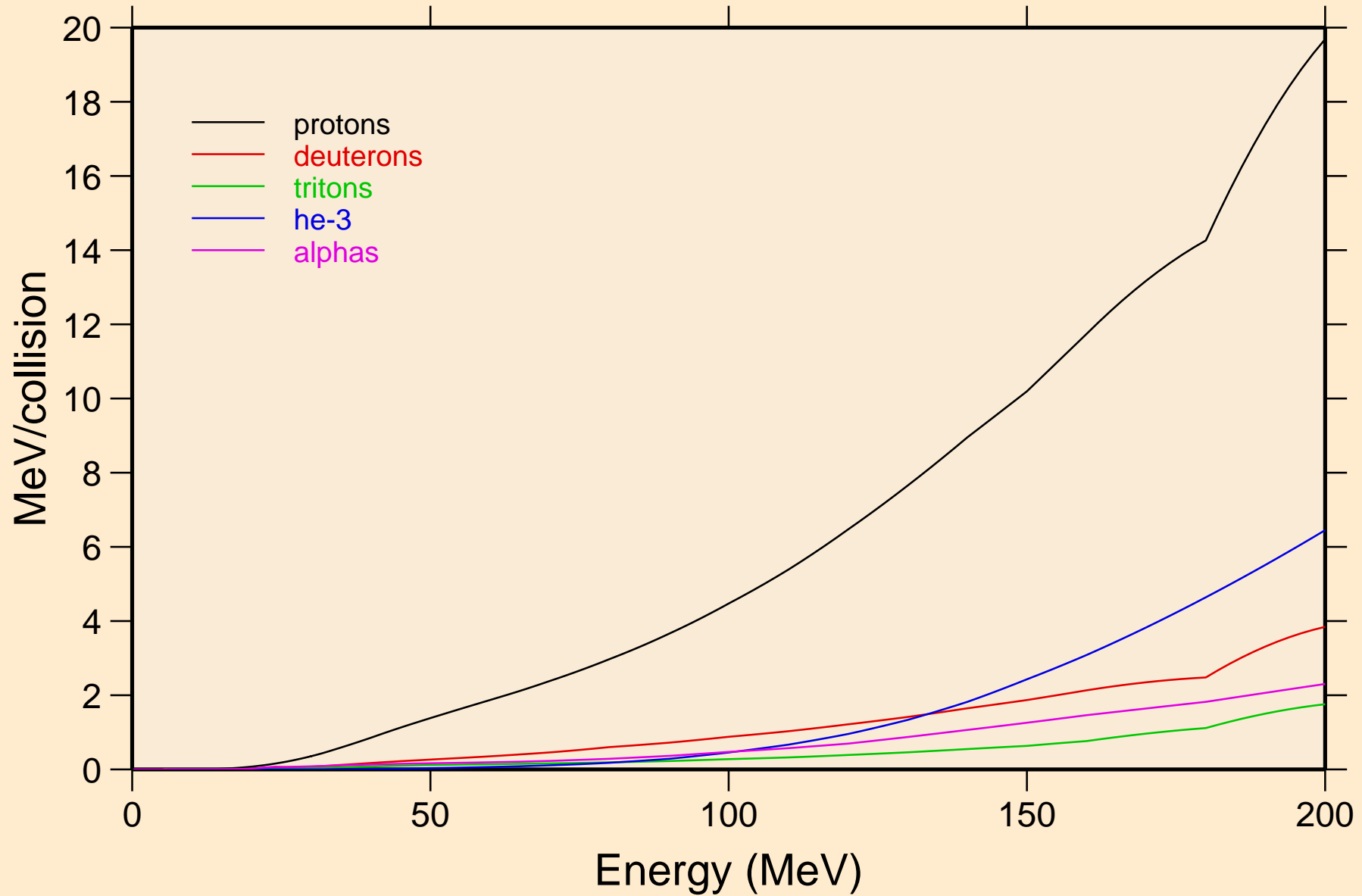


HG199 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



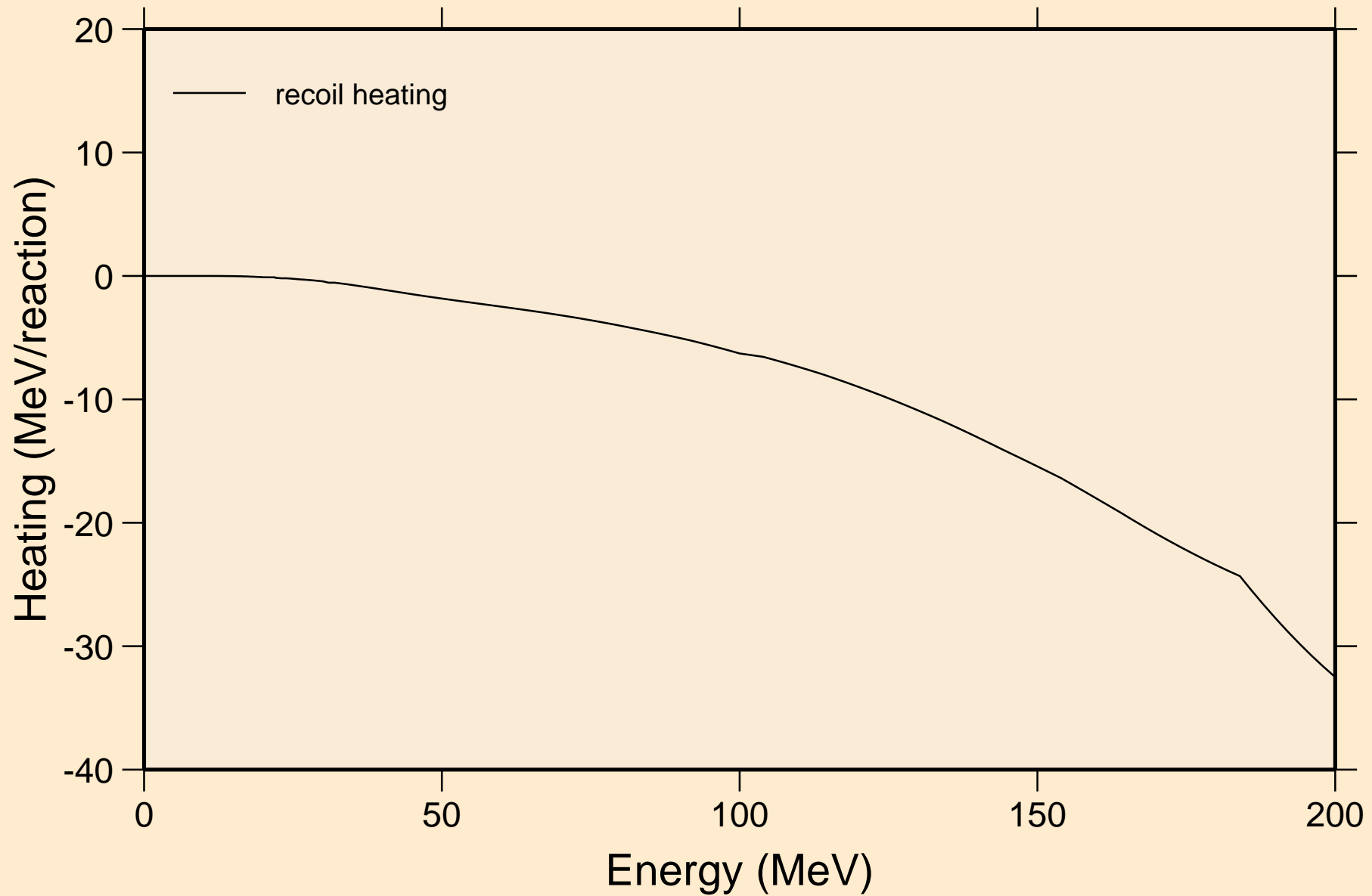
# HG199 NRG TENDL-2015, AKONING

## Particle heating contributions



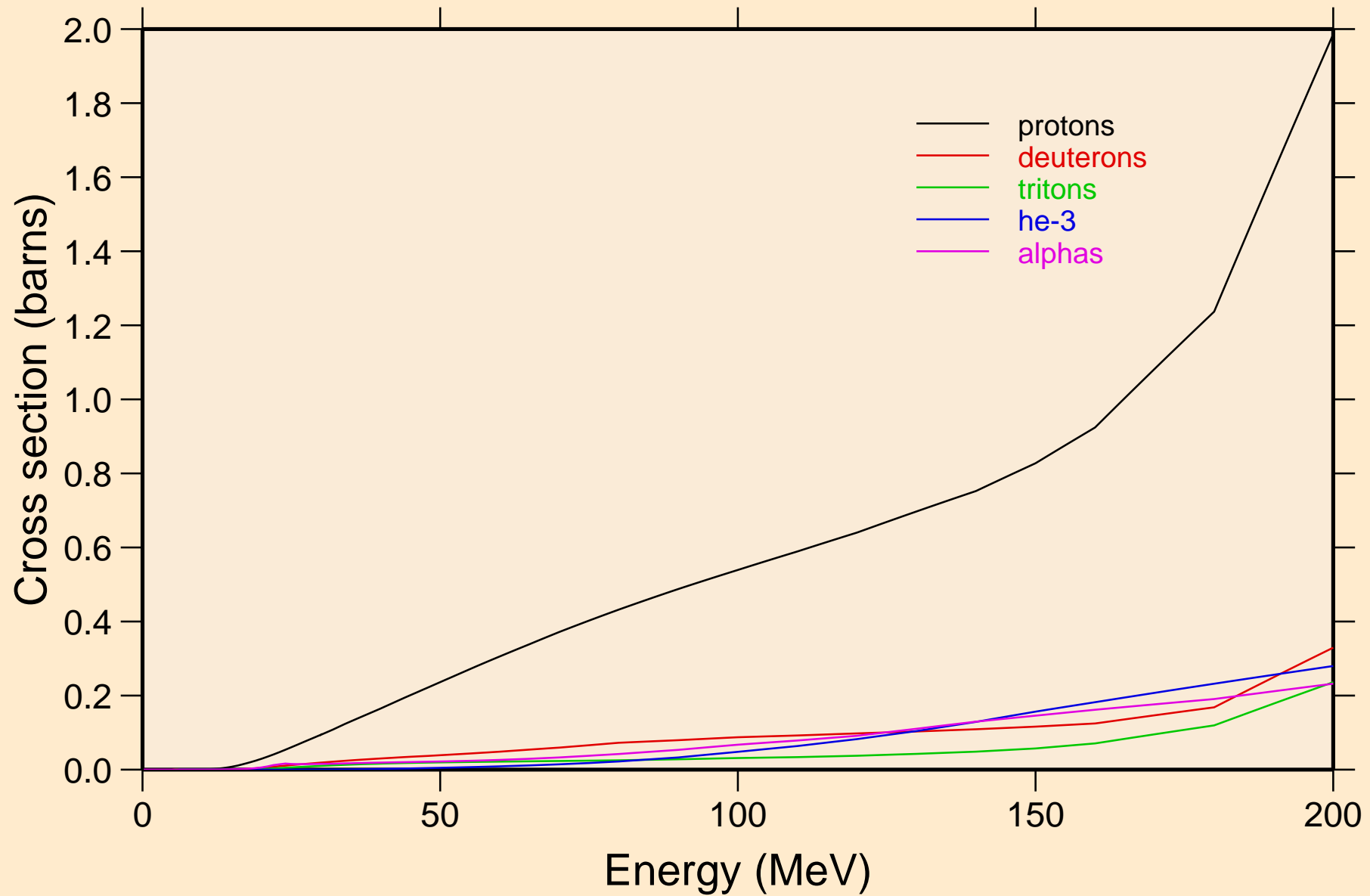
# HG199 NRG TENDL-2015, AKONING

## Recoil Heating

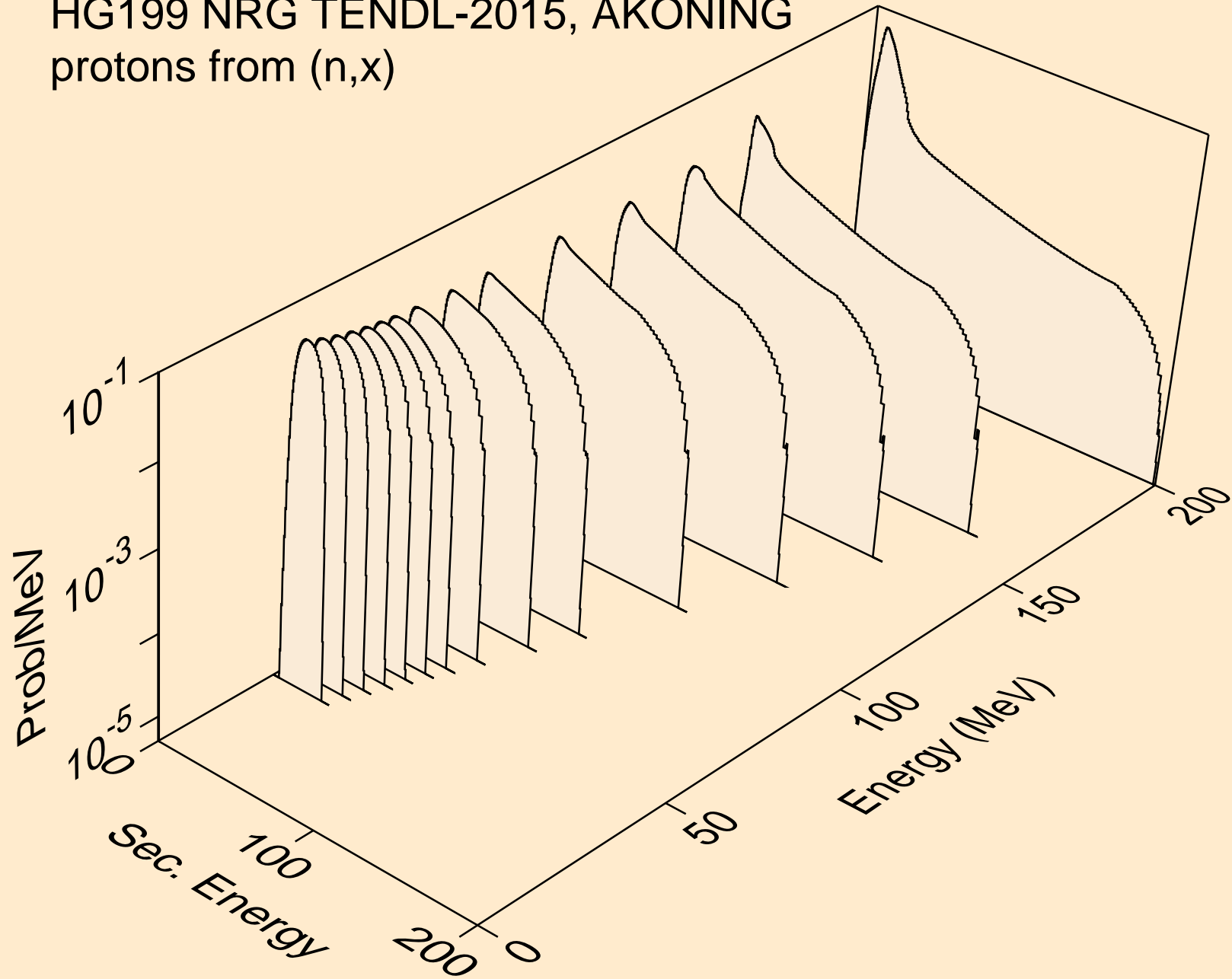


# HG199 NRG TENDL-2015, AKONING

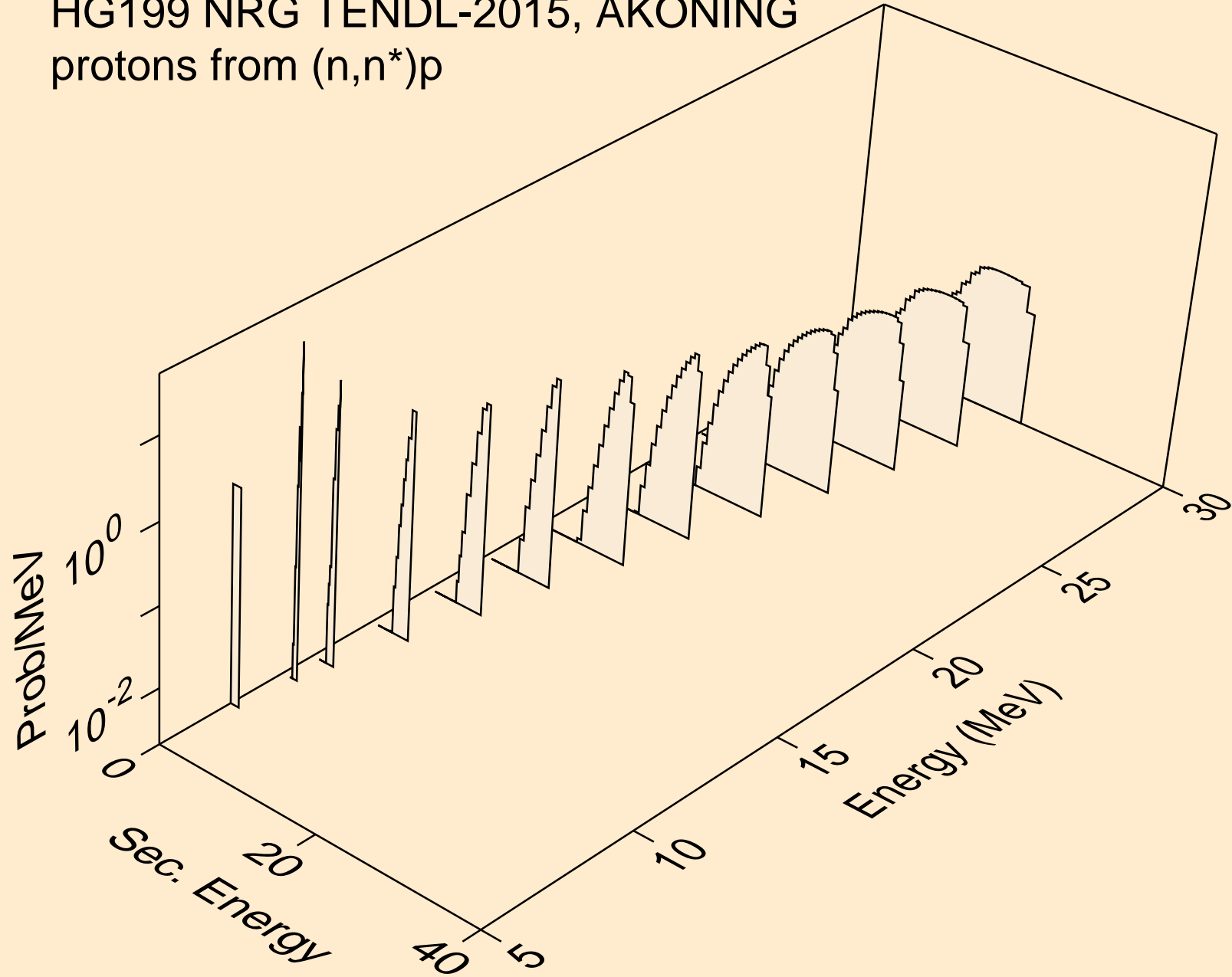
## Particle production cross sections



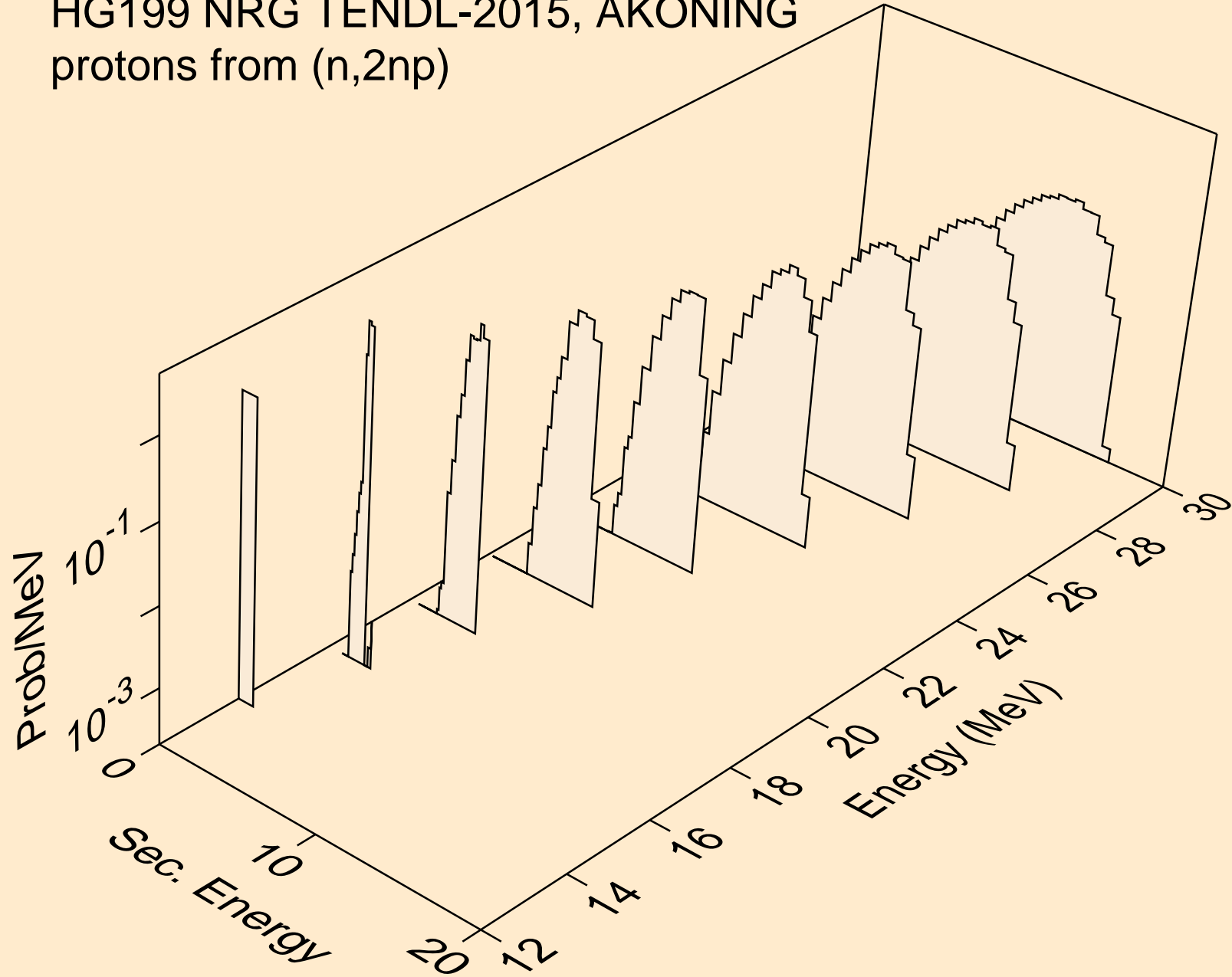
HG199 NRG TENDL-2015, AKONING  
protons from (n,x)



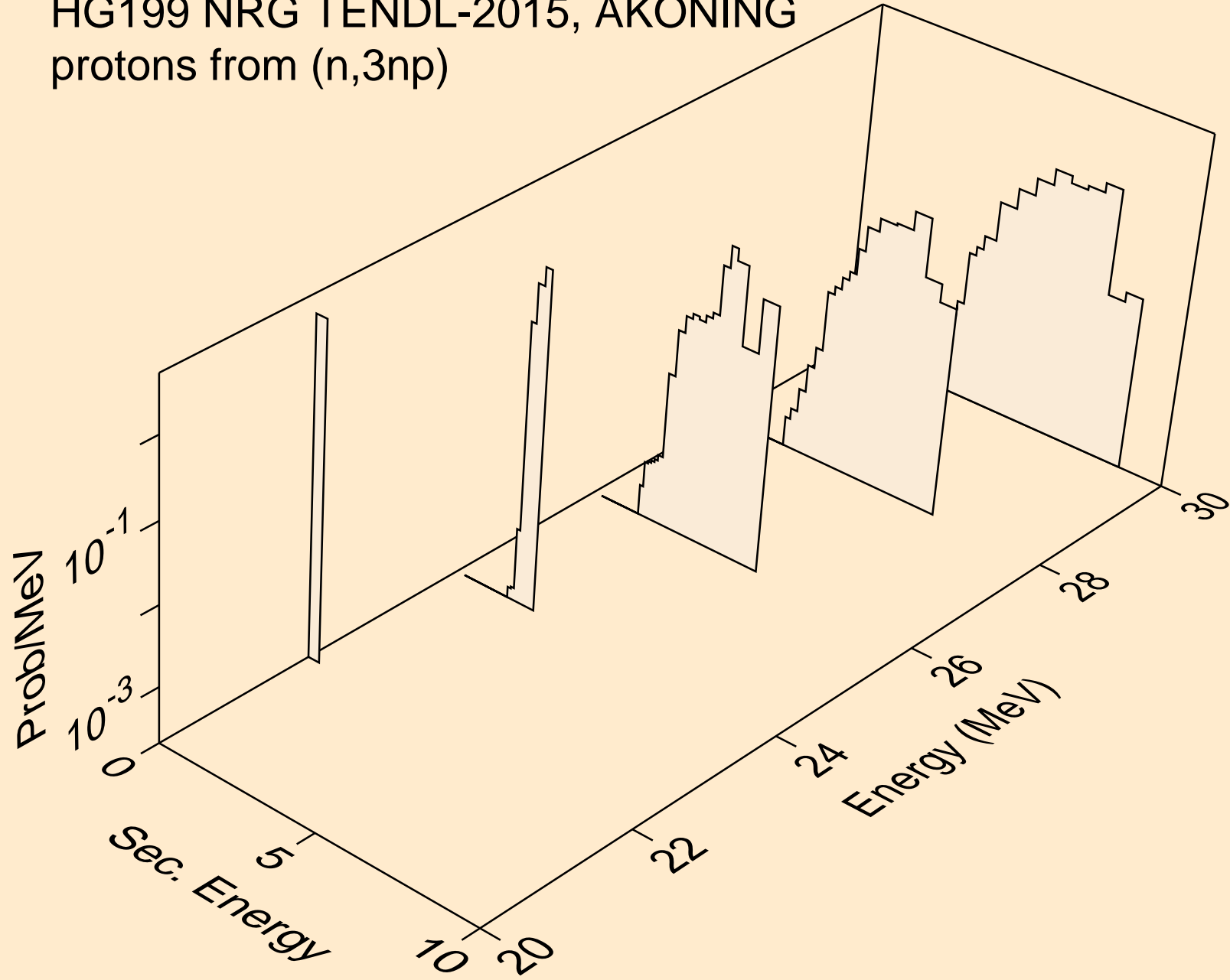
HG199 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



HG199 NRG TENDL-2015, AKONING  
protons from (n,2np)

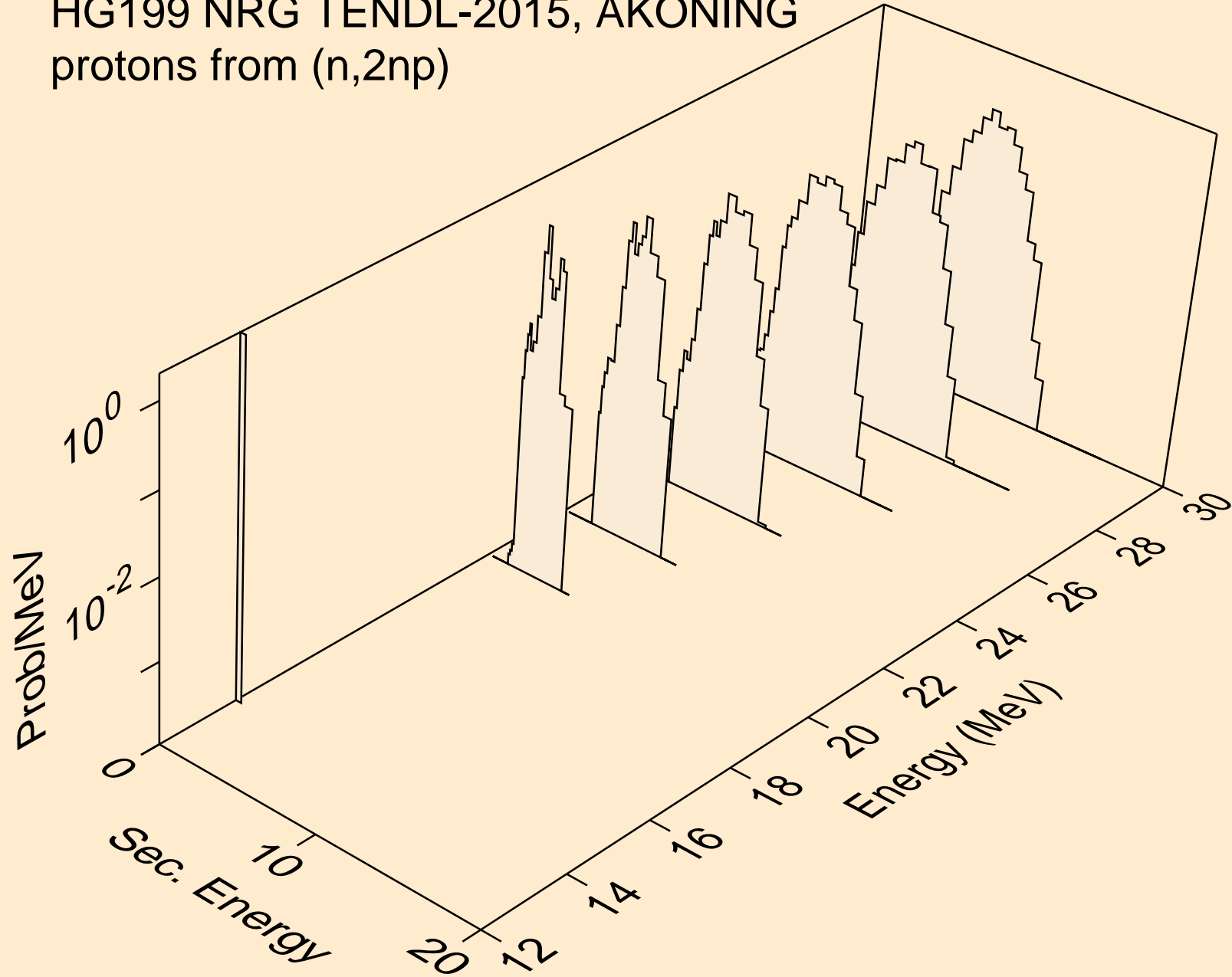


HG199 NRG TENDL-2015, AKONING  
protons from (n,3np)

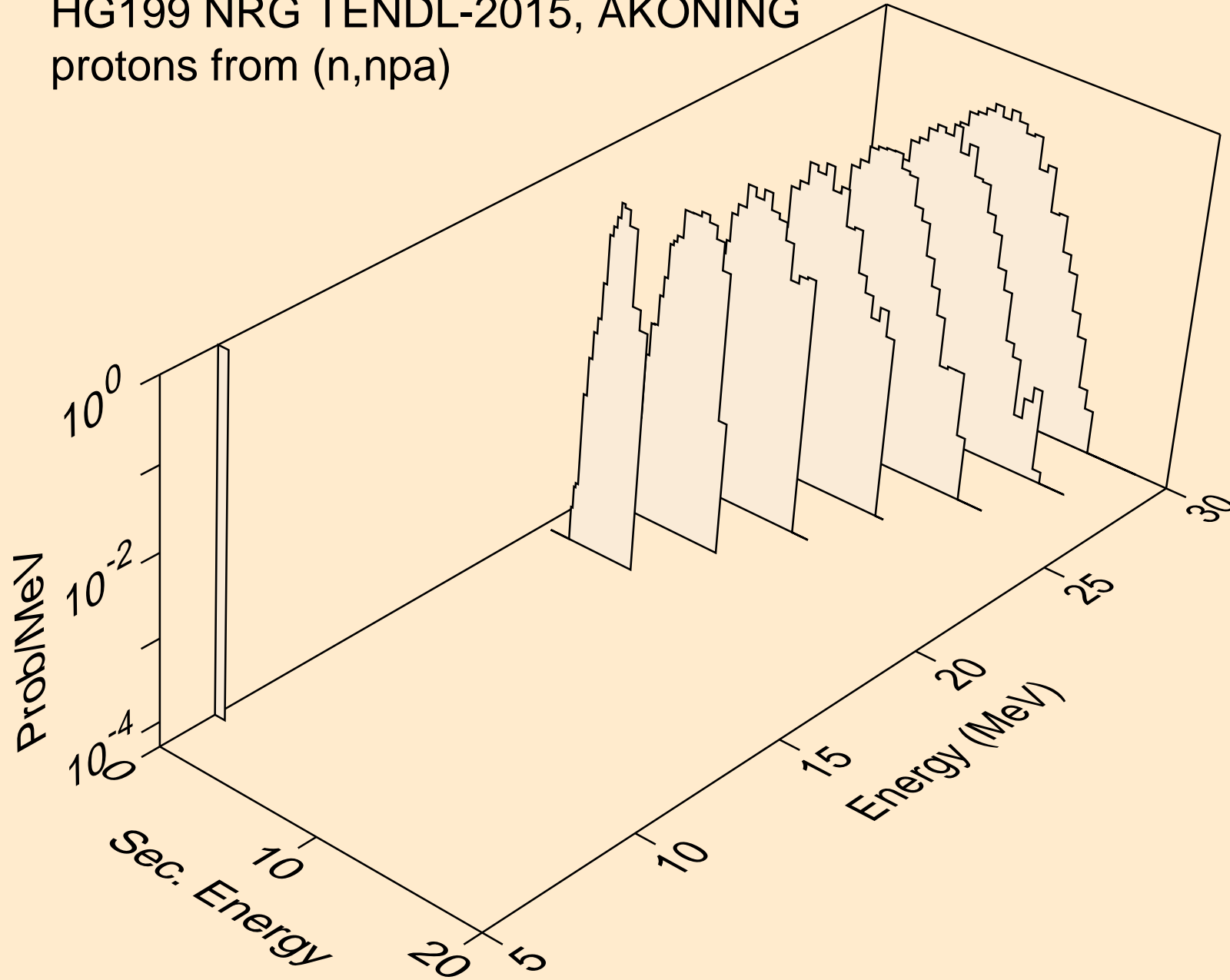




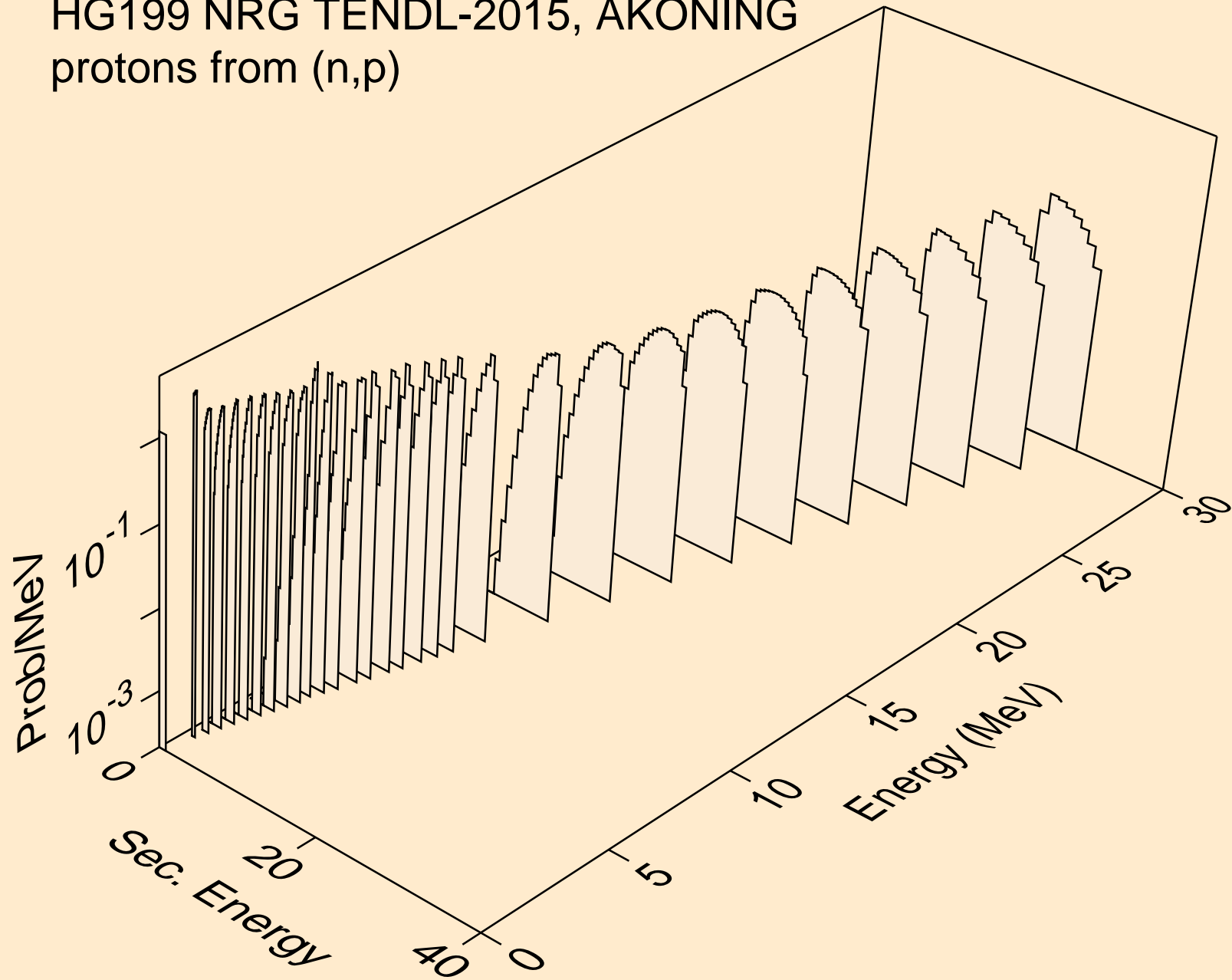
HG199 NRG TENDL-2015, AKONING  
protons from (n,2np)



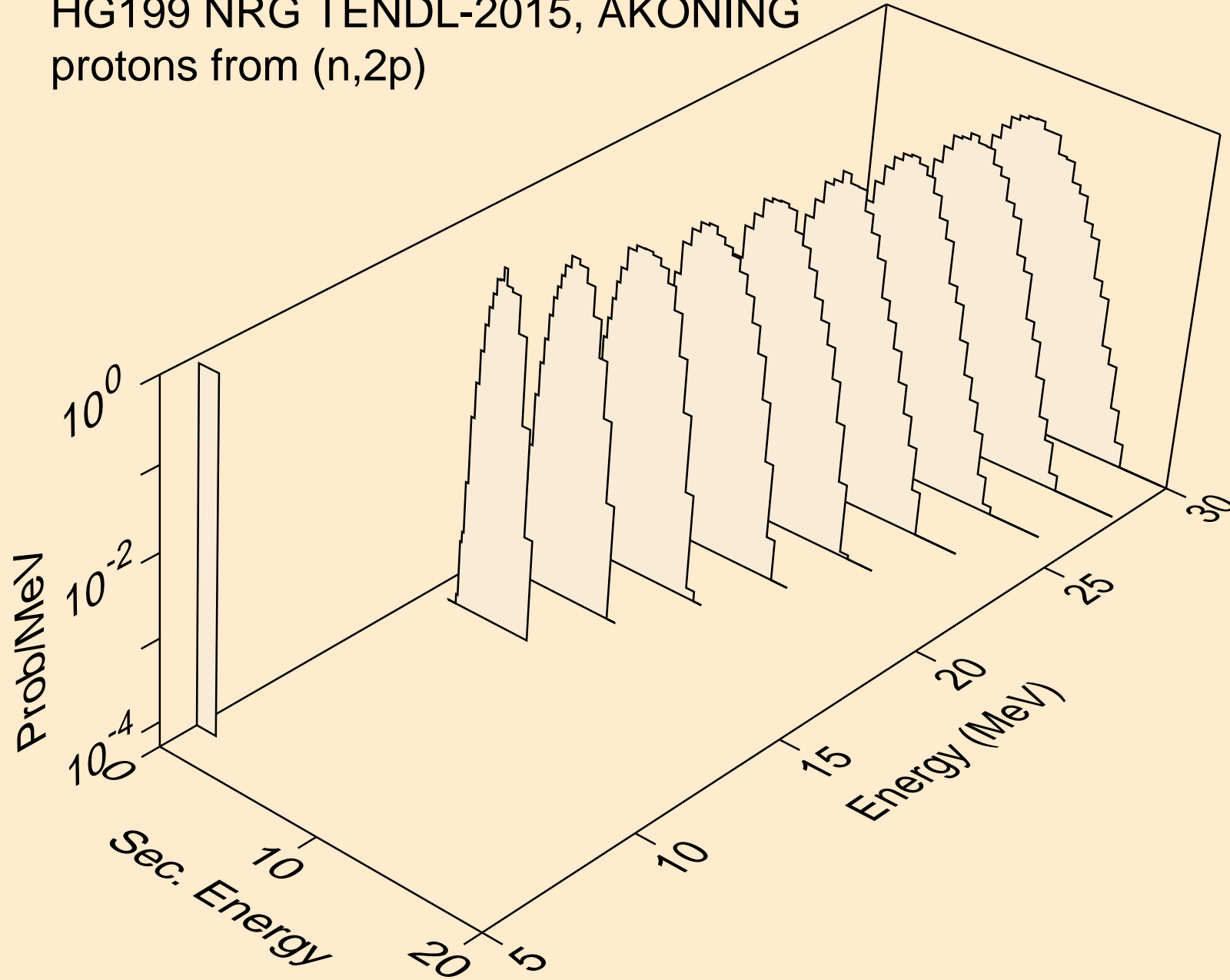
HG199 NRG TENDL-2015, AKONING  
protons from (n,npa)



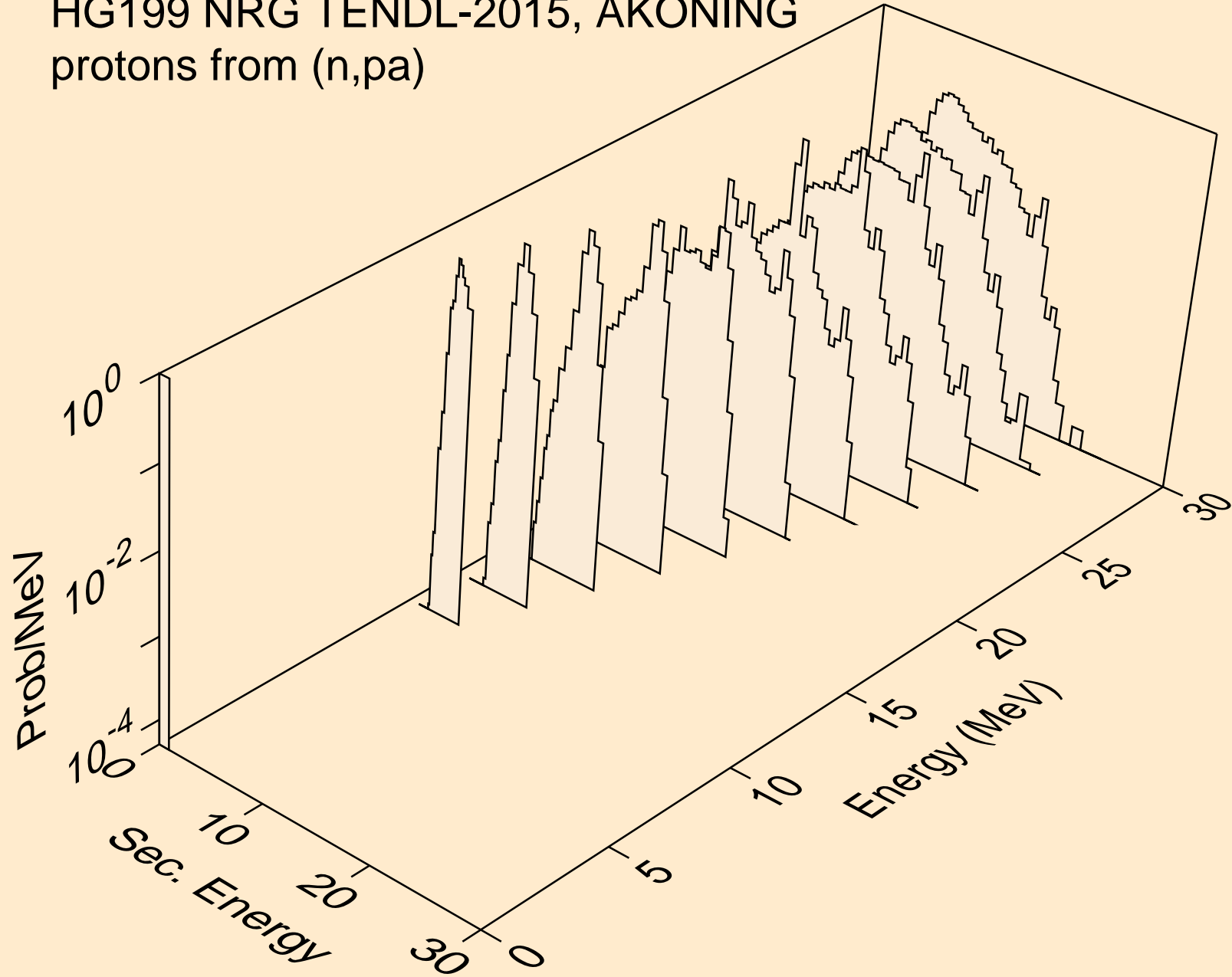
HG199 NRG TENDL-2015, AKONING  
protons from (n,p)



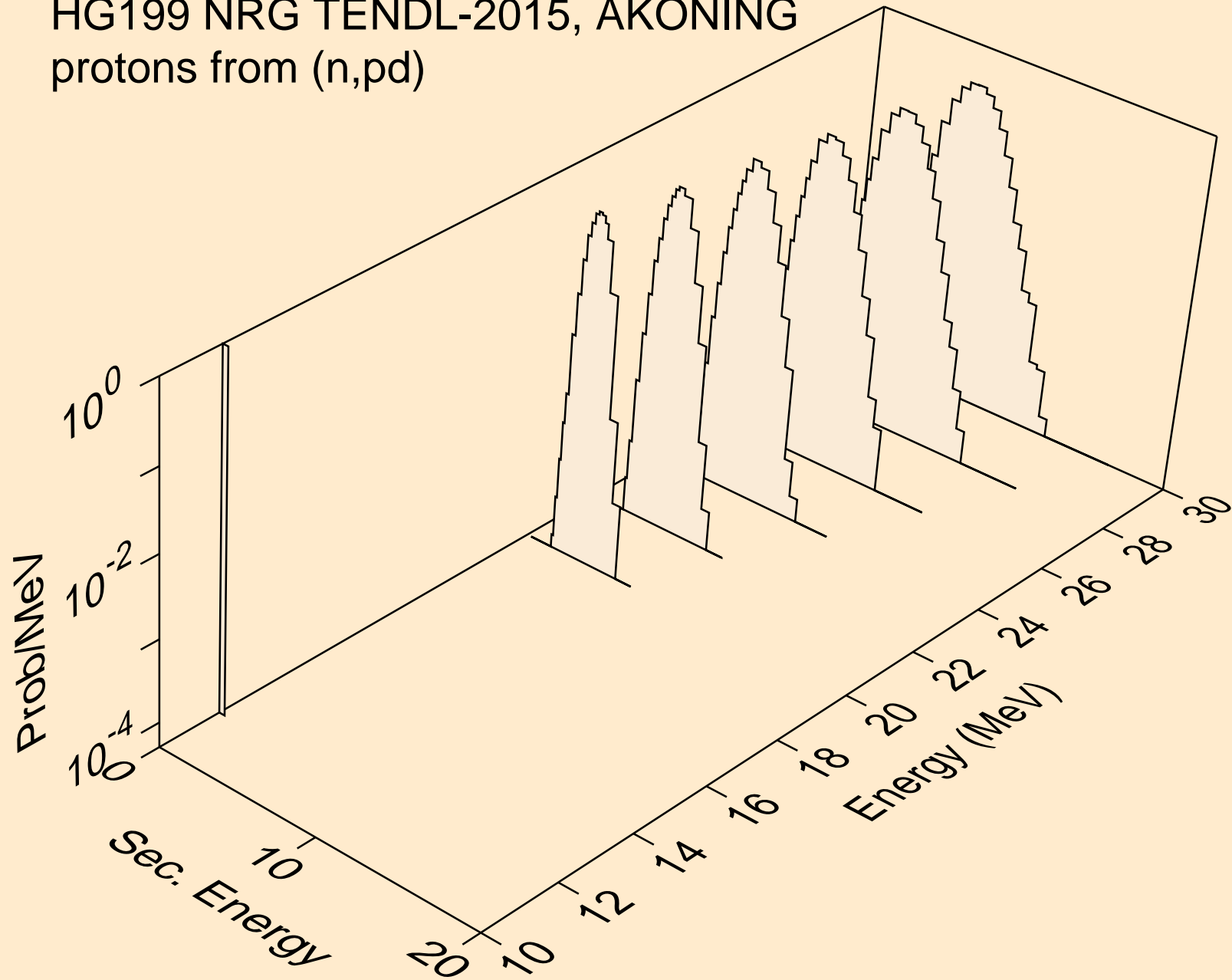
HG199 NRG TENDL-2015, AKONING  
protons from (n,2p)



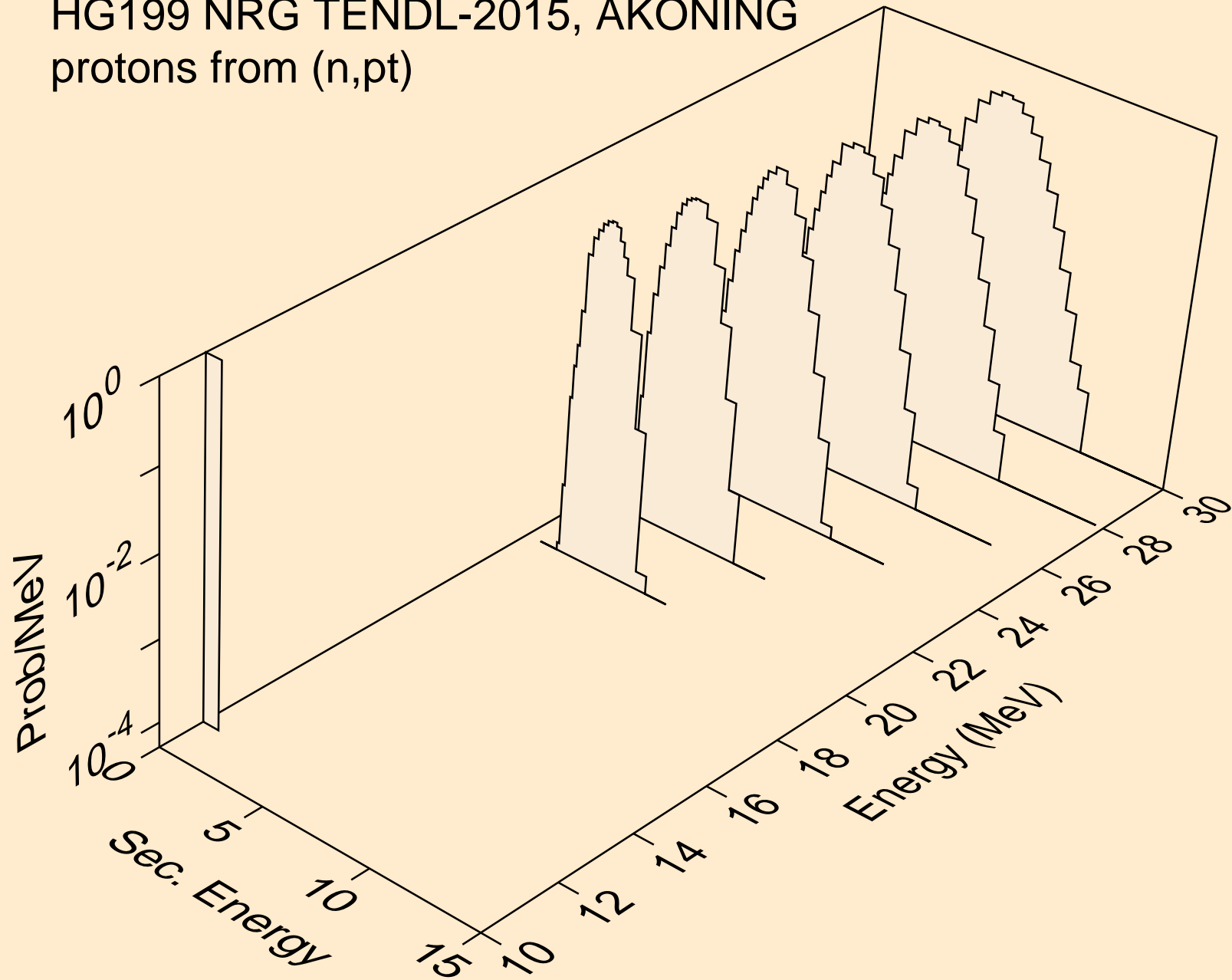
HG199 NRG TENDL-2015, AKONING  
protons from (n,pa)



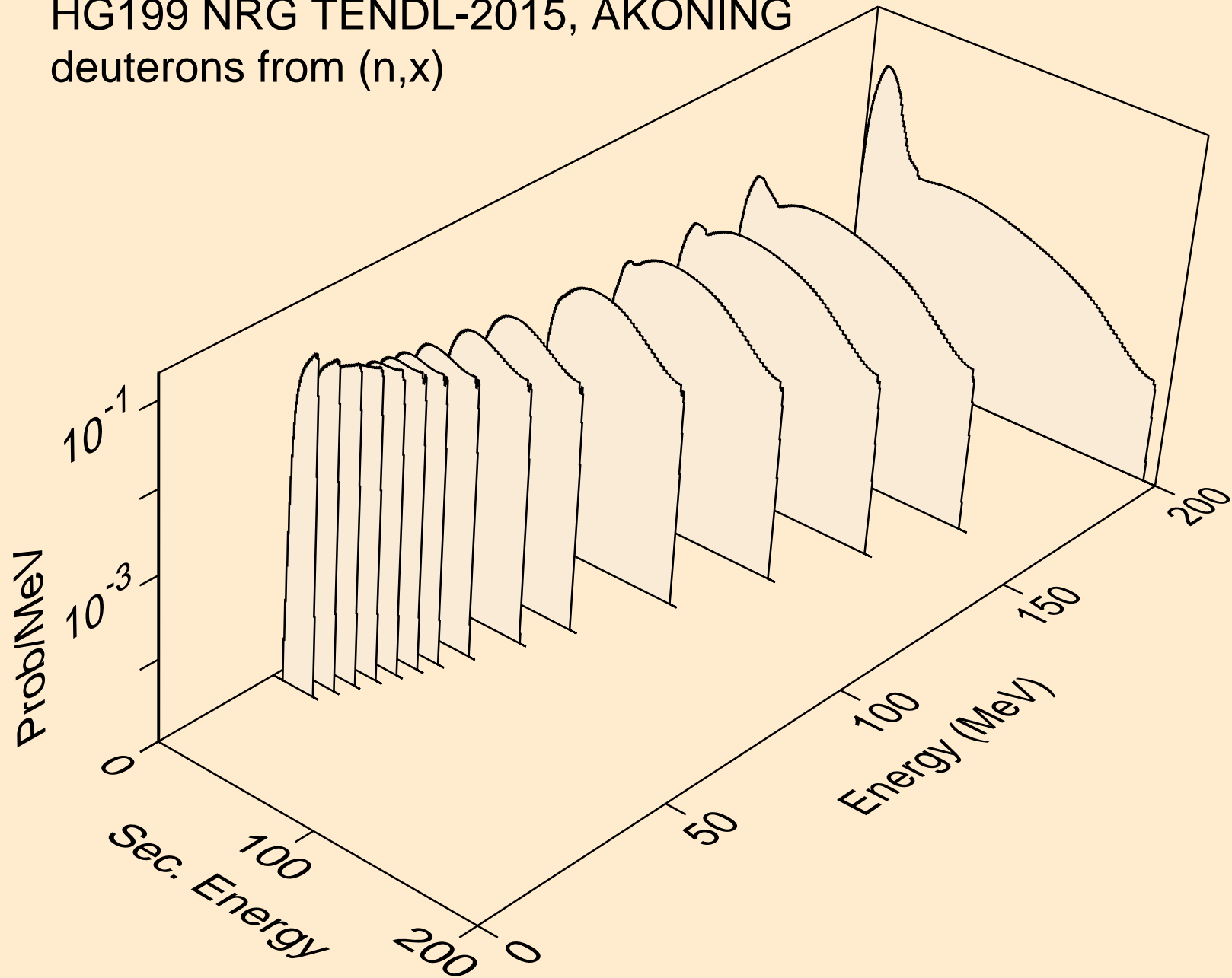
HG199 NRG TENDL-2015, AKONING  
protons from (n,pd)



HG199 NRG TENDL-2015, AKONING  
protons from (n,pt)

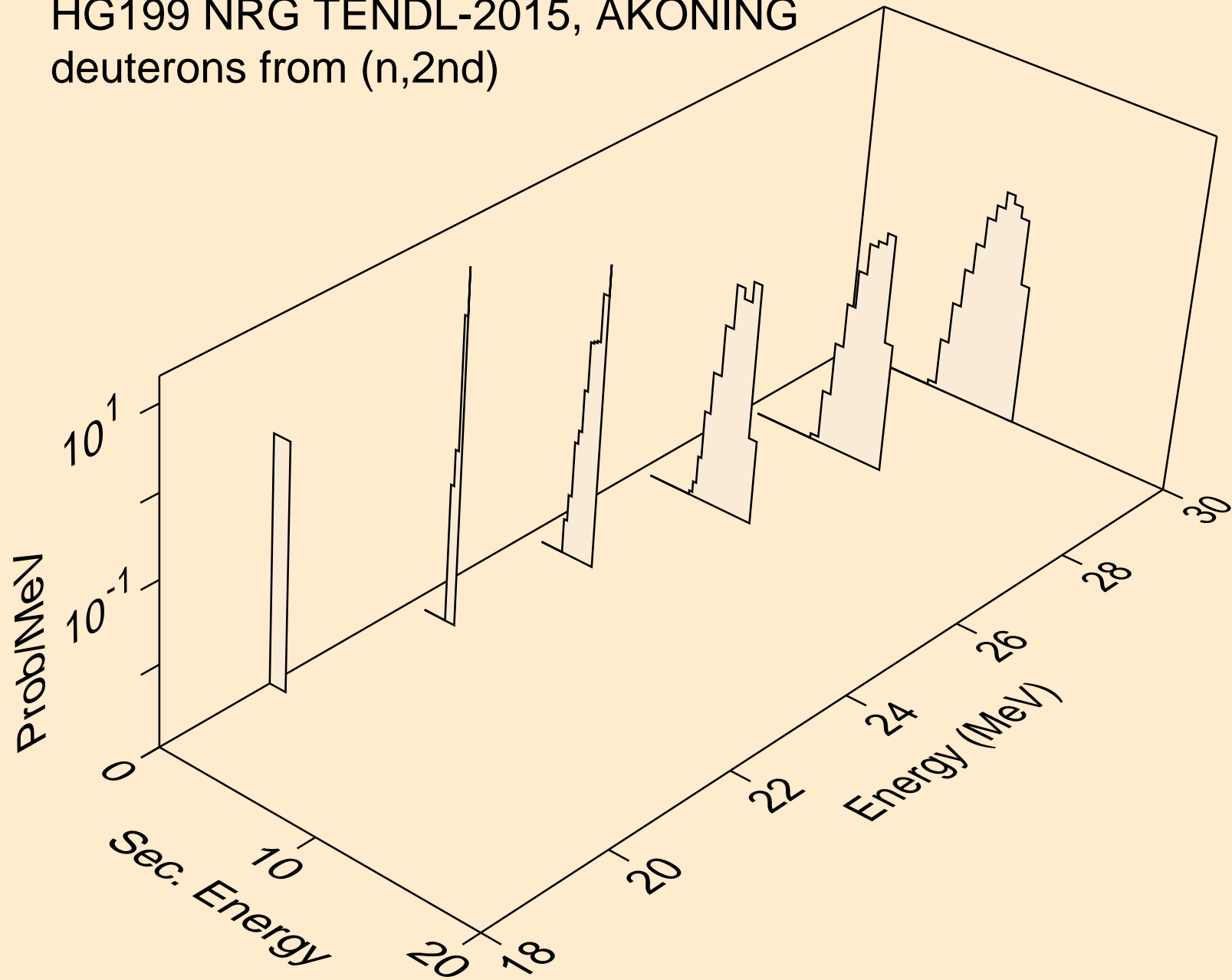


HG199 NRG TENDL-2015, AKONING  
deuterons from (n,x)

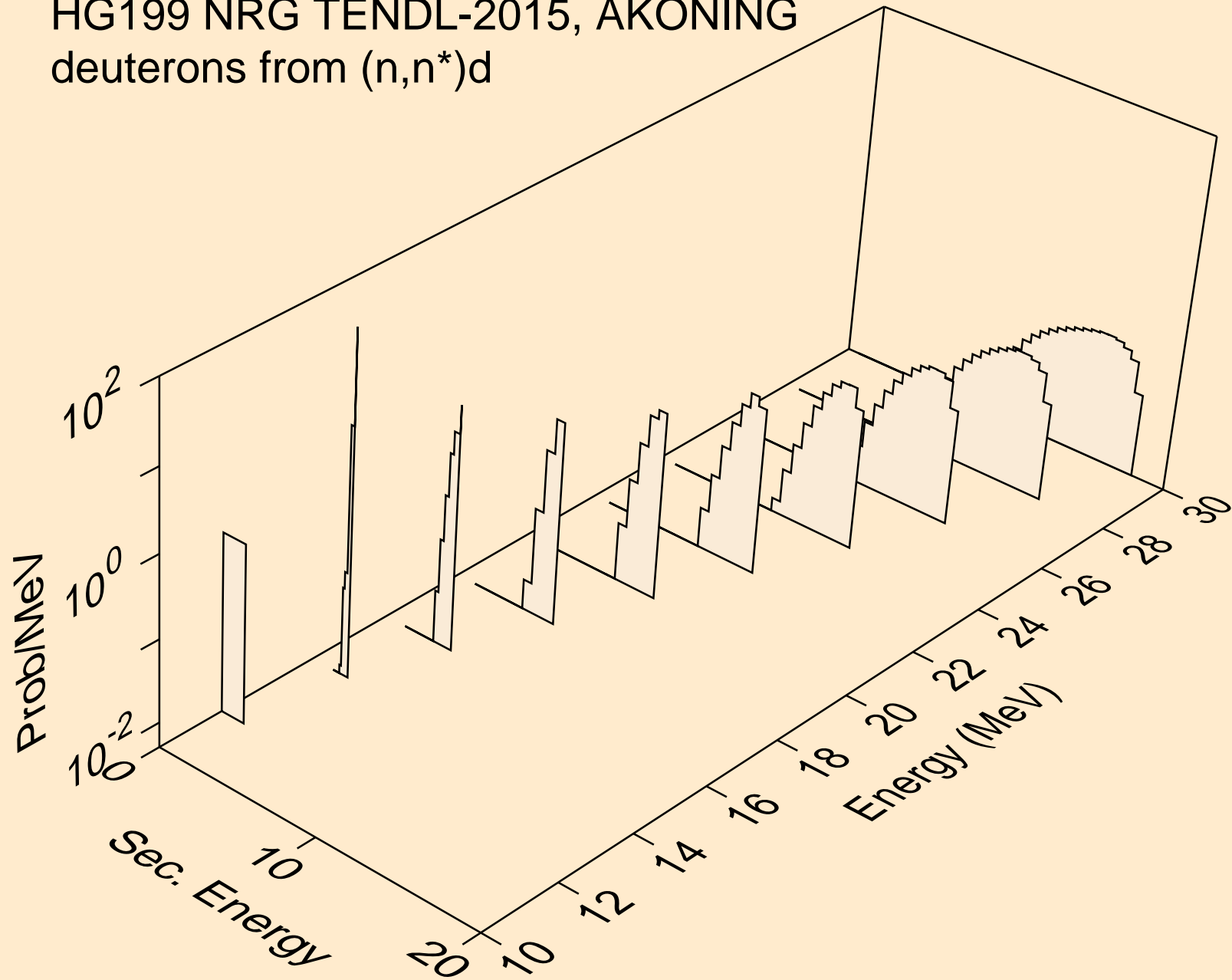




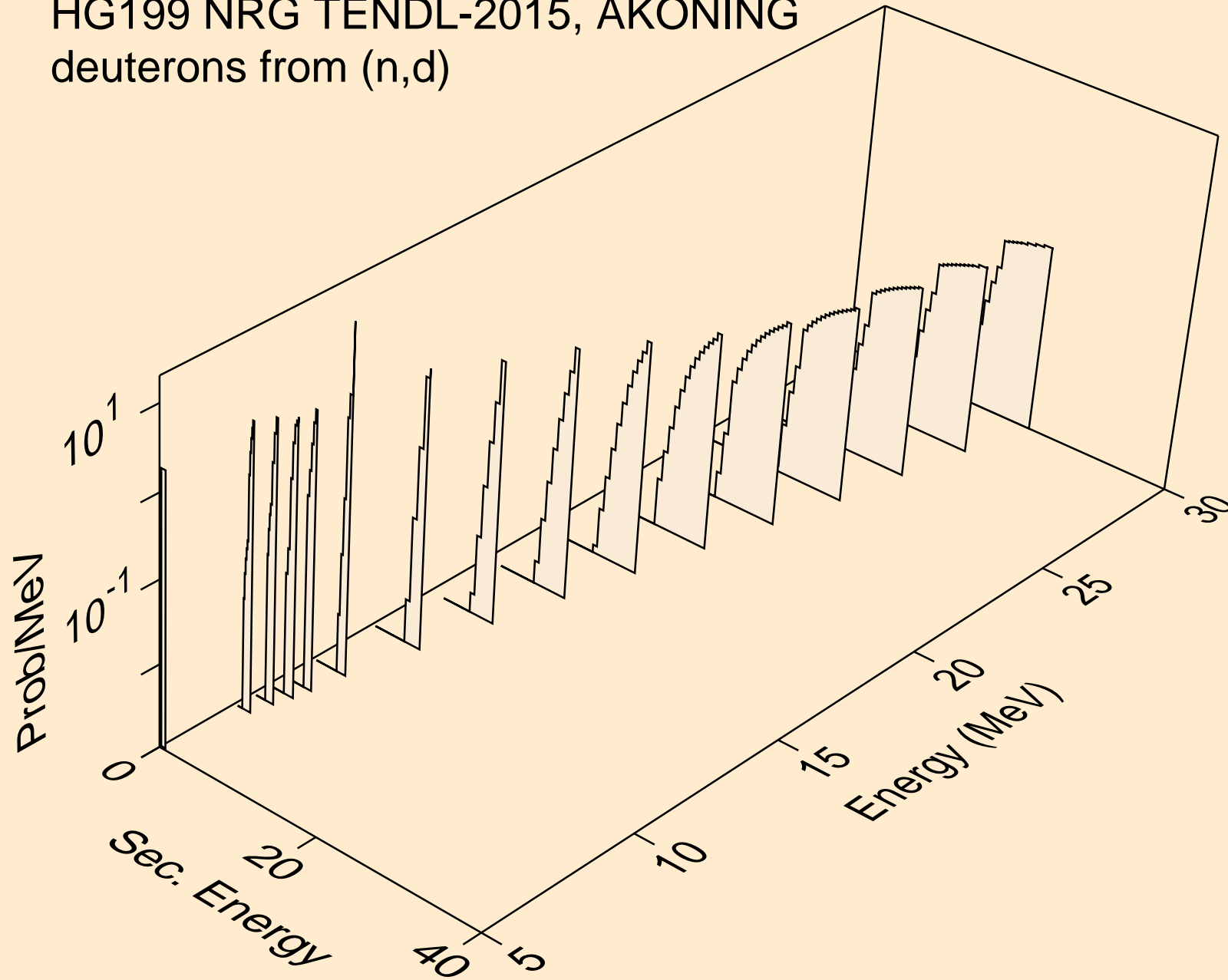
HG199 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



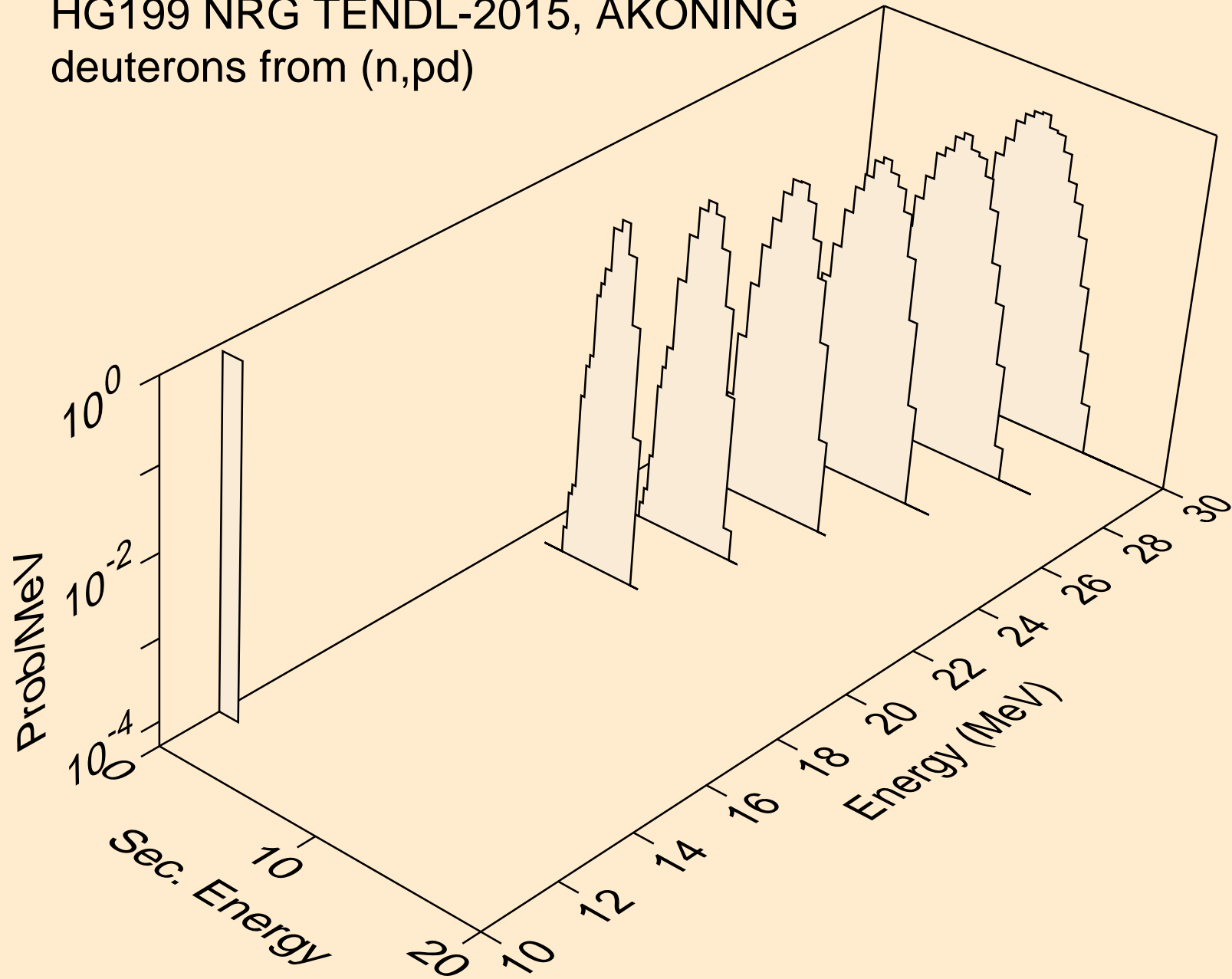
HG199 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



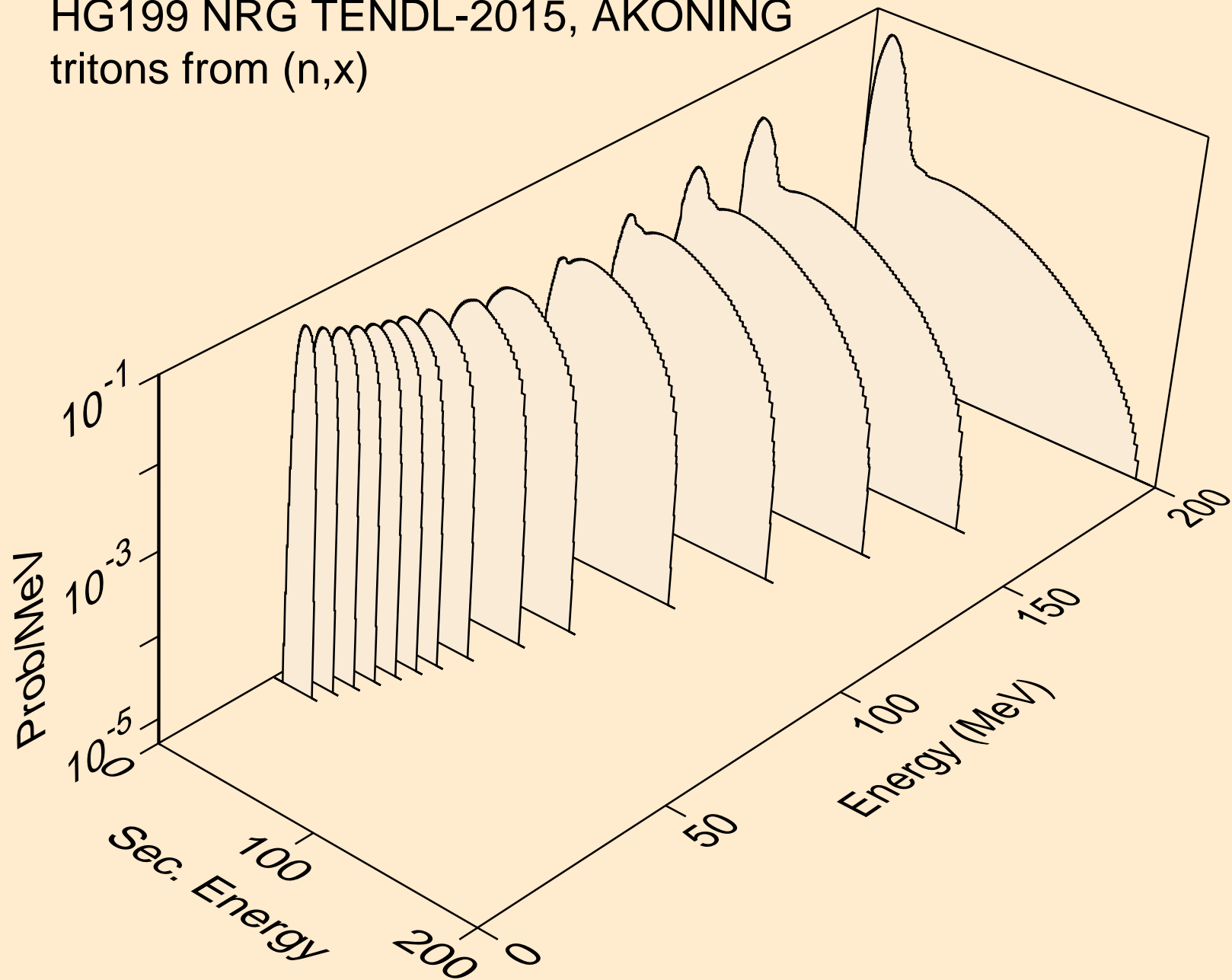
HG199 NRG TENDL-2015, AKONING  
deuterons from (n,d)



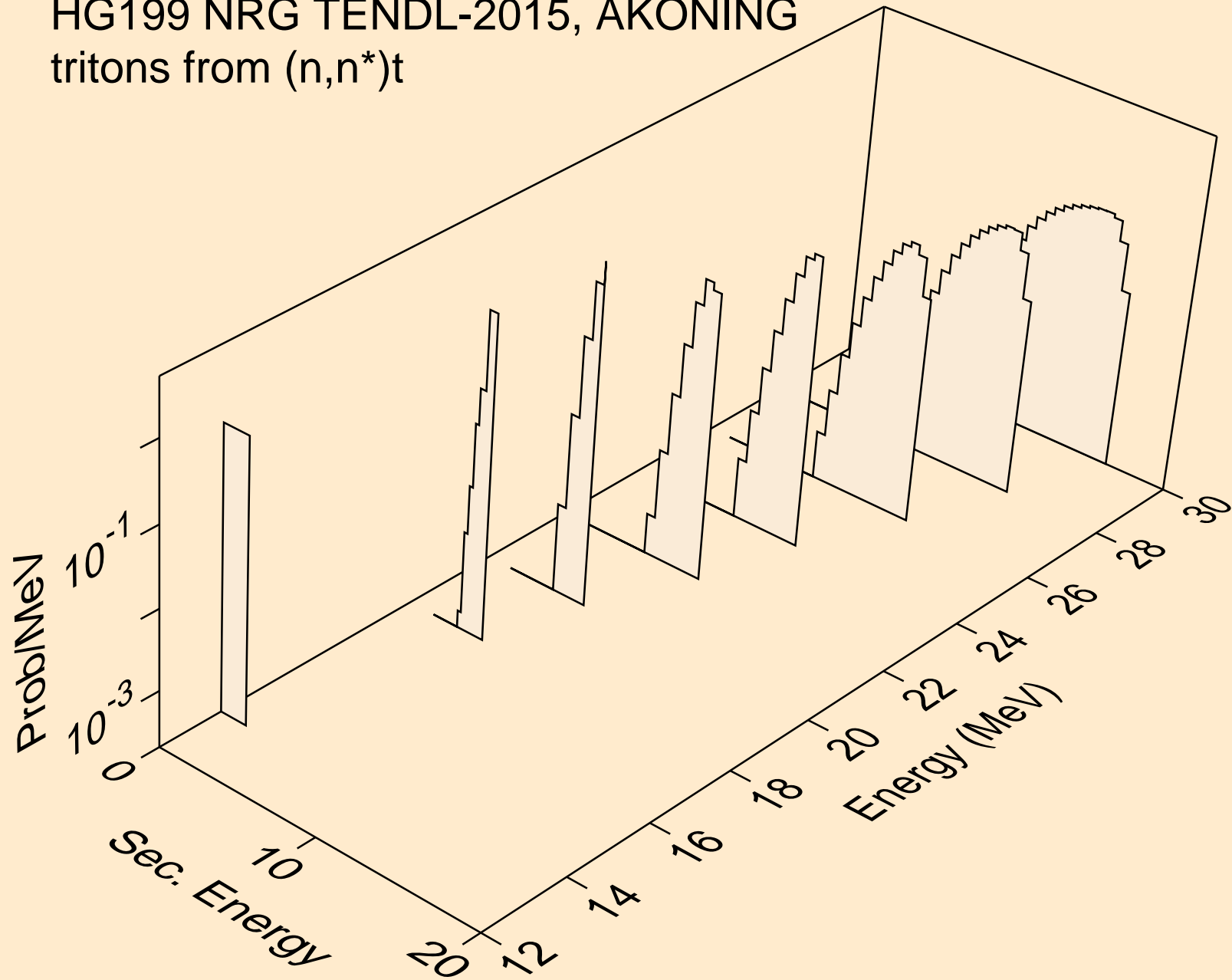
HG199 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



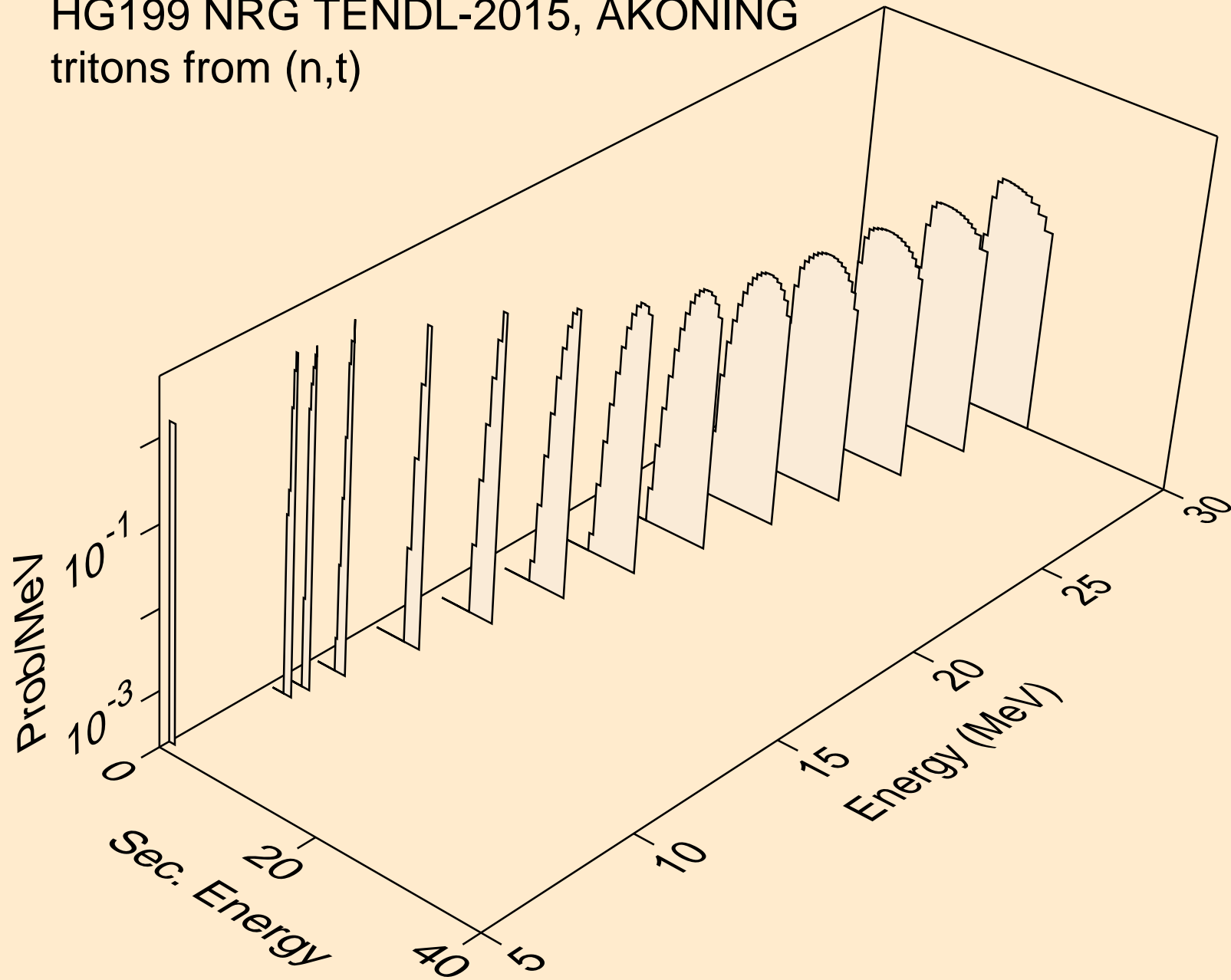
HG199 NRG TENDL-2015, AKONING  
tritons from (n,x)



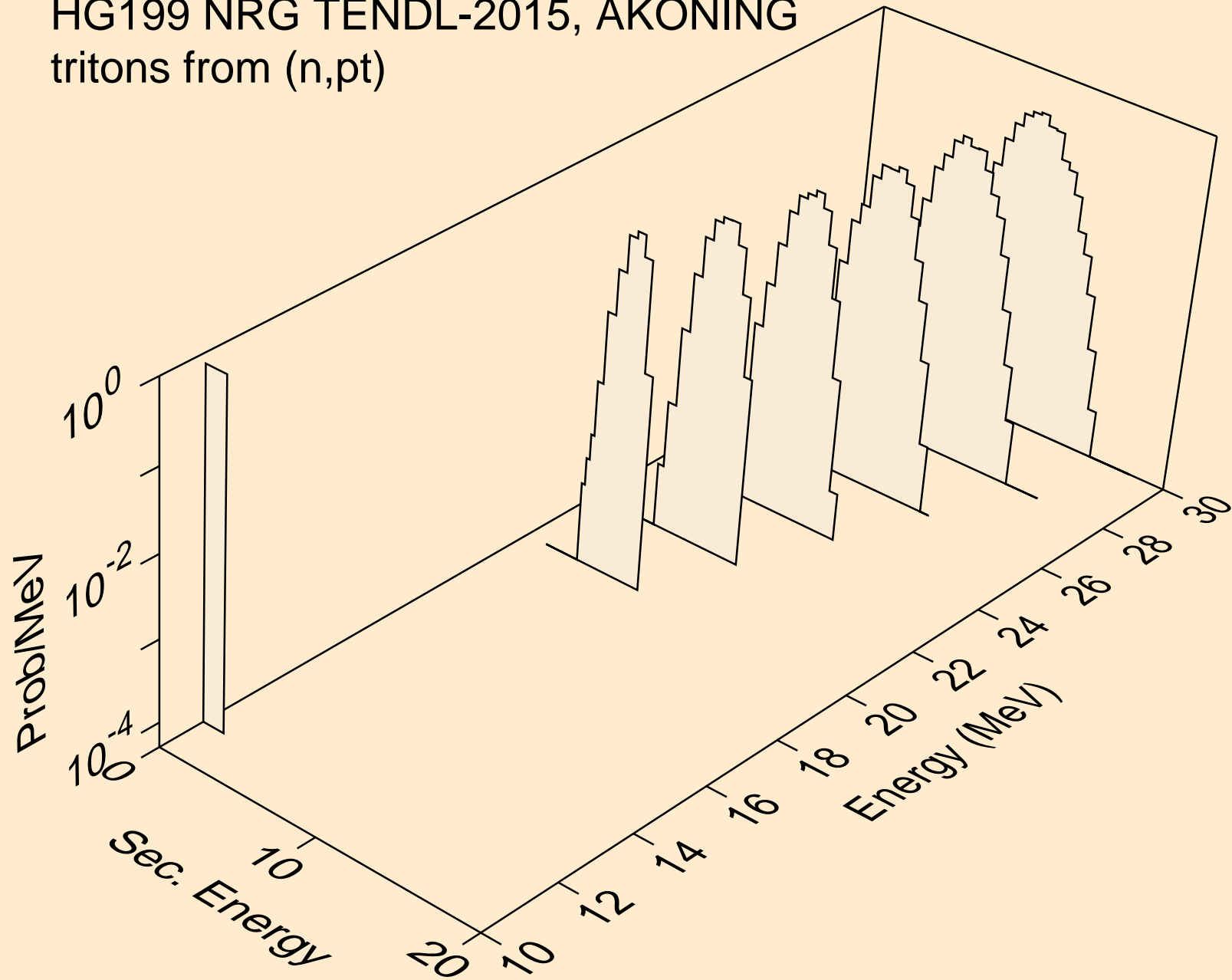
HG199 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



HG199 NRG TENDL-2015, AKONING  
tritons from (n,t)

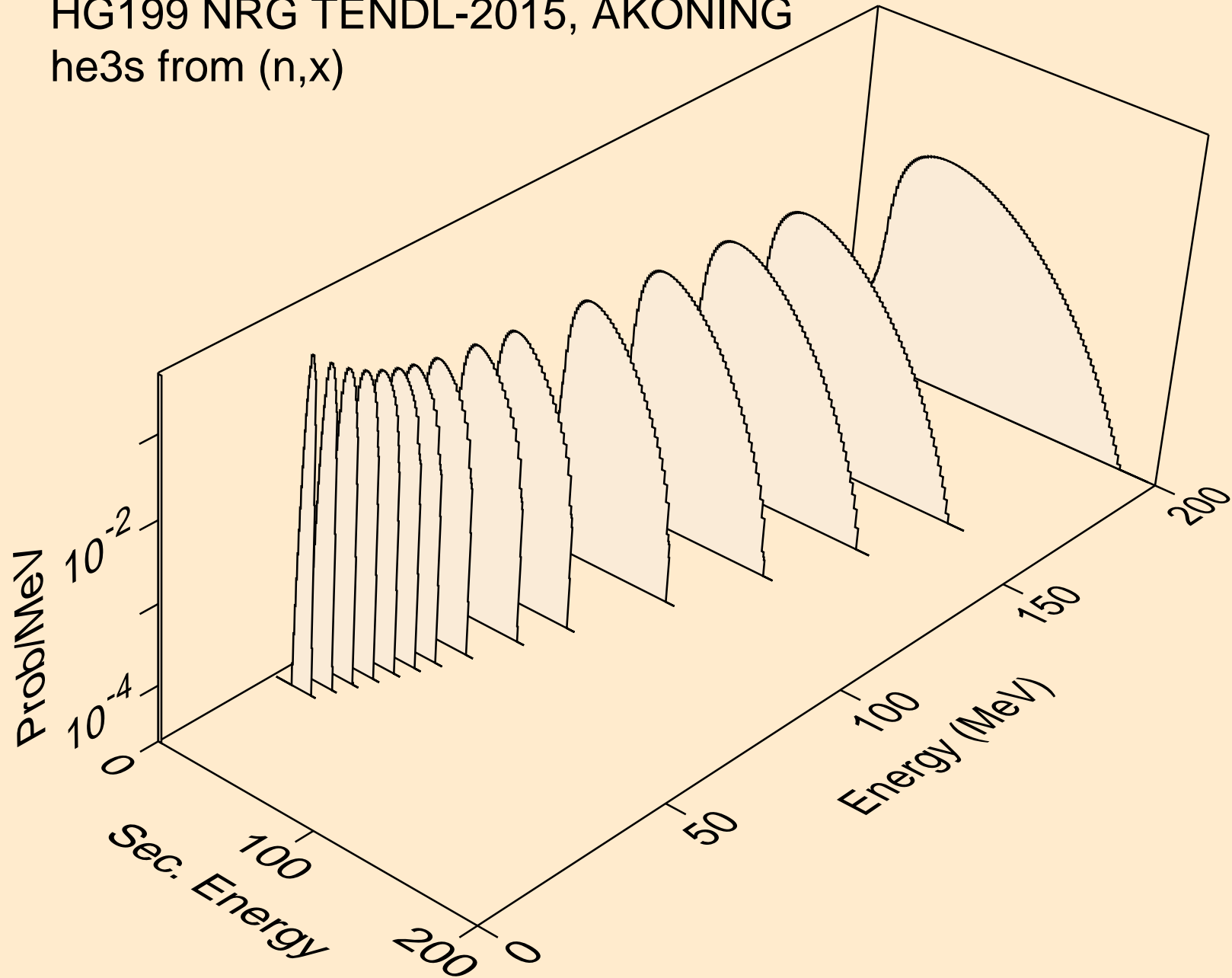


HG199 NRG TENDL-2015, AKONING  
tritons from (n,pt)

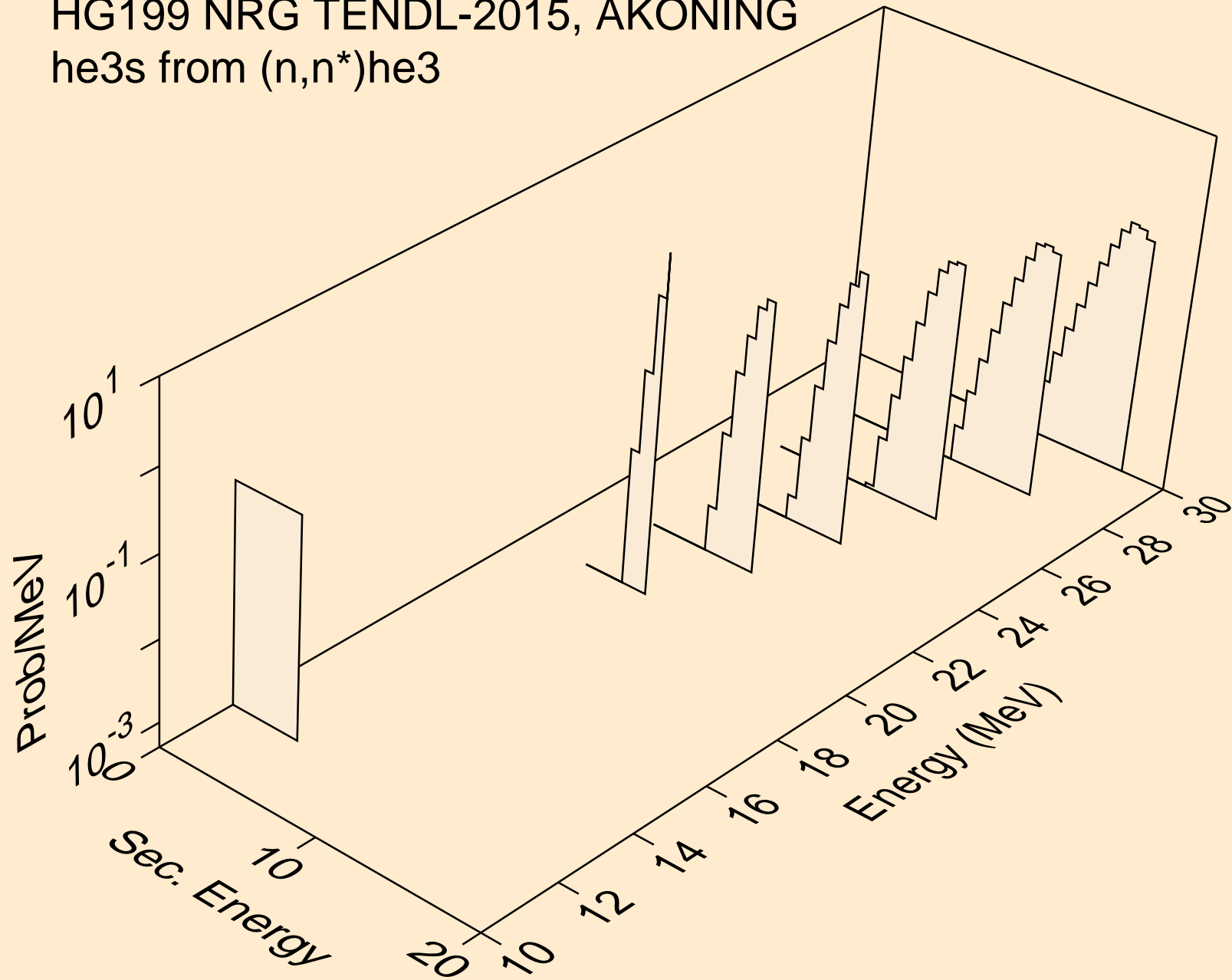




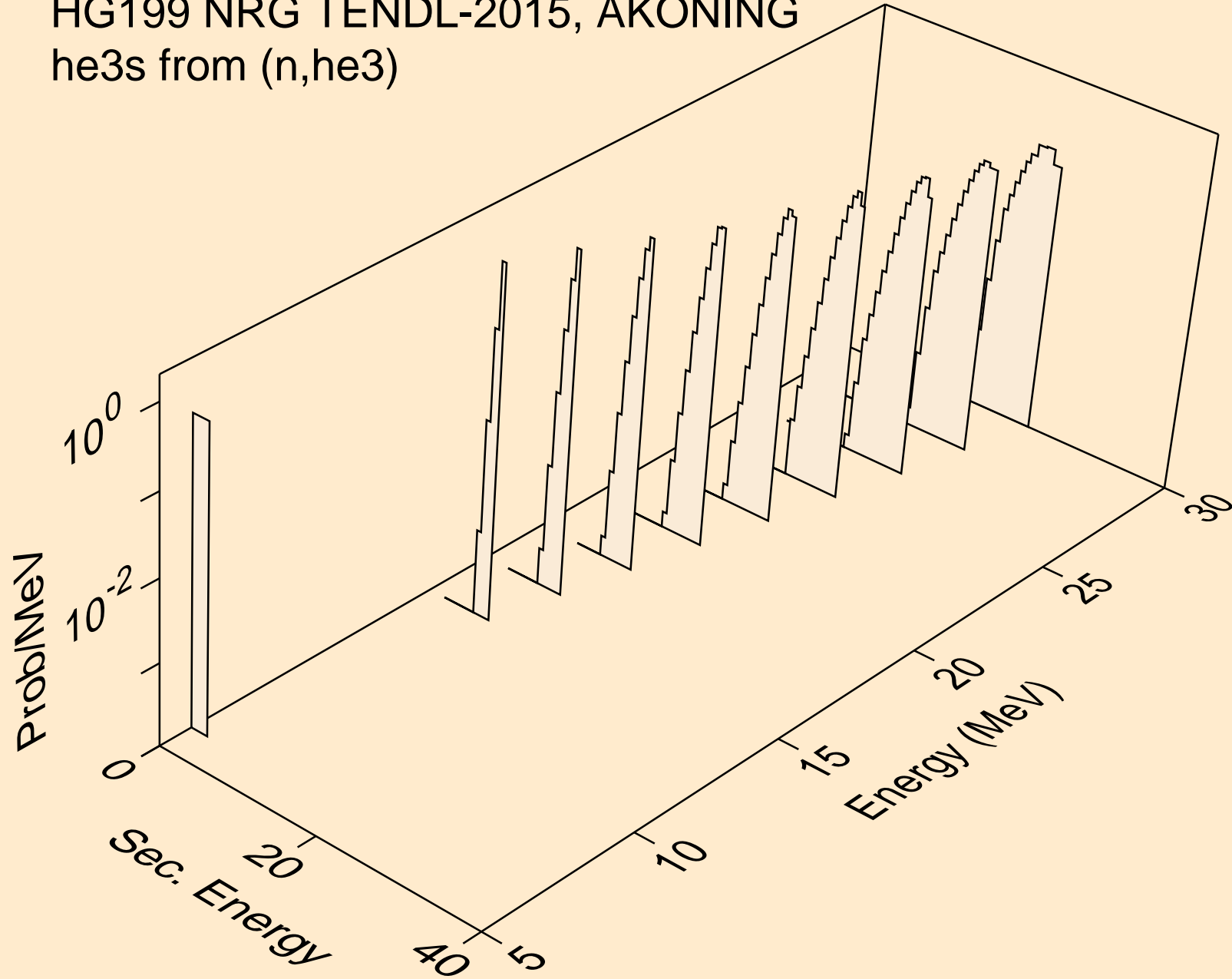
HG199 NRG TENDL-2015, AKONING  
he3s from (n,x)



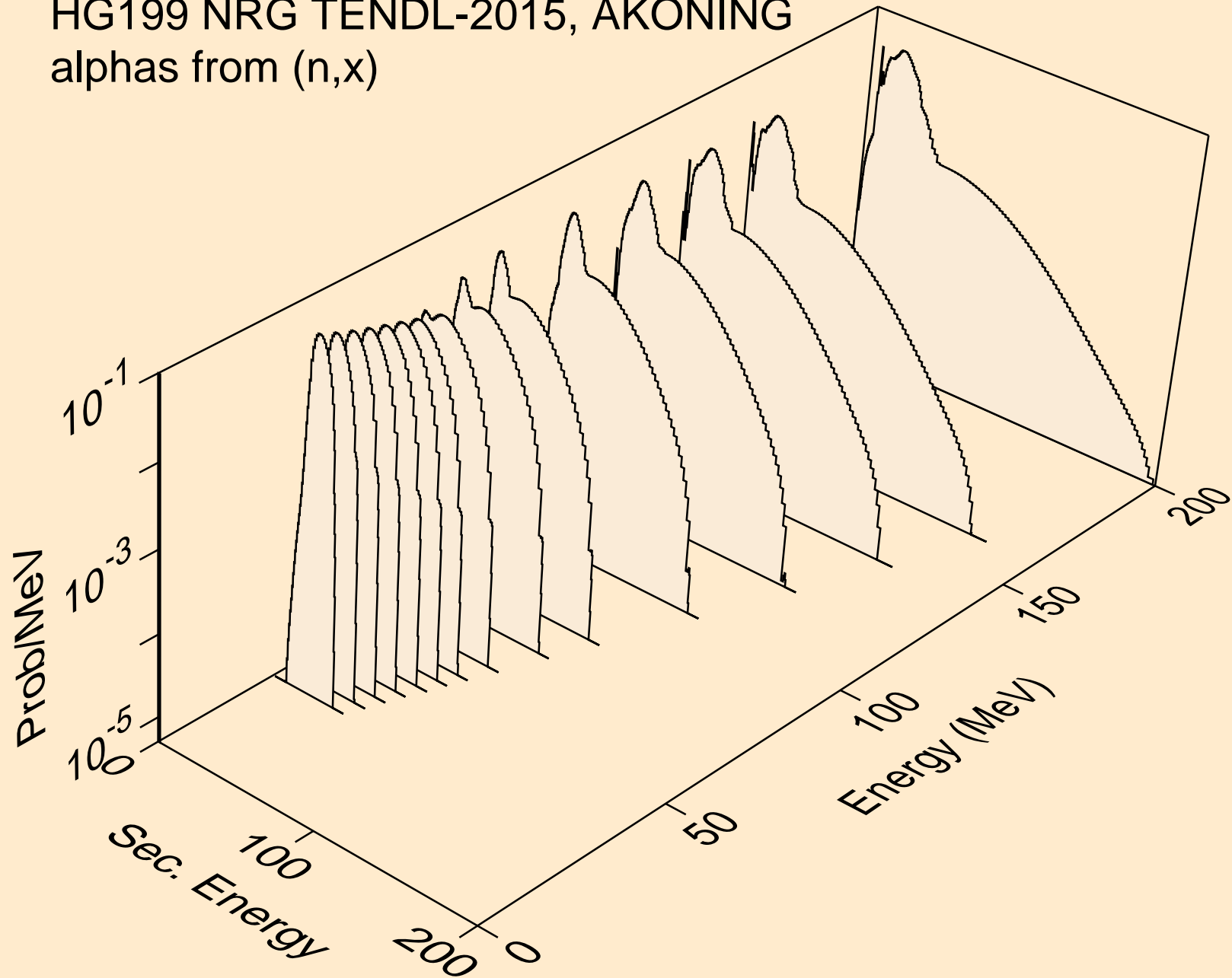
HG199 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



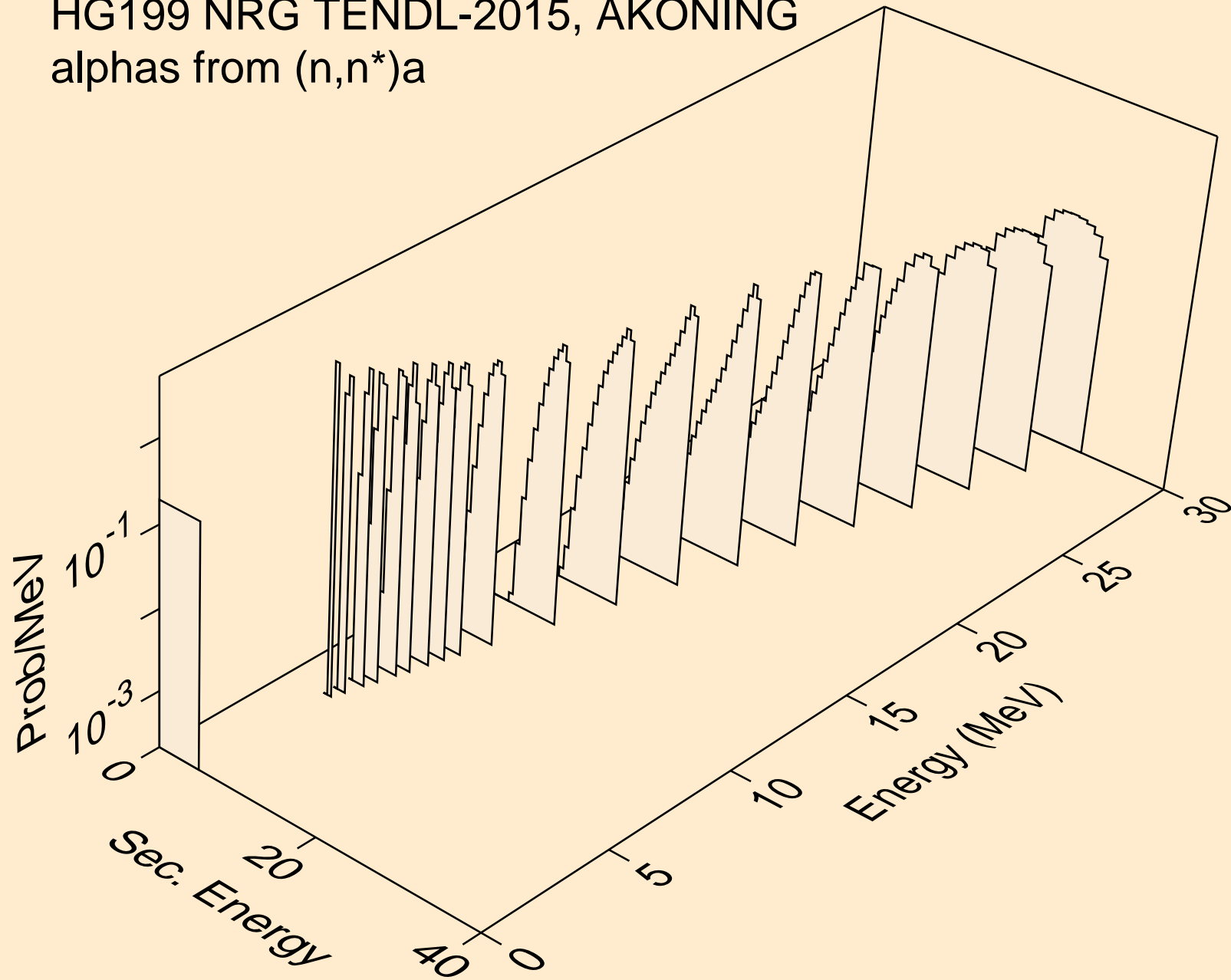
HG199 NRG TENDL-2015, AKONING  
he3s from (n,he3)



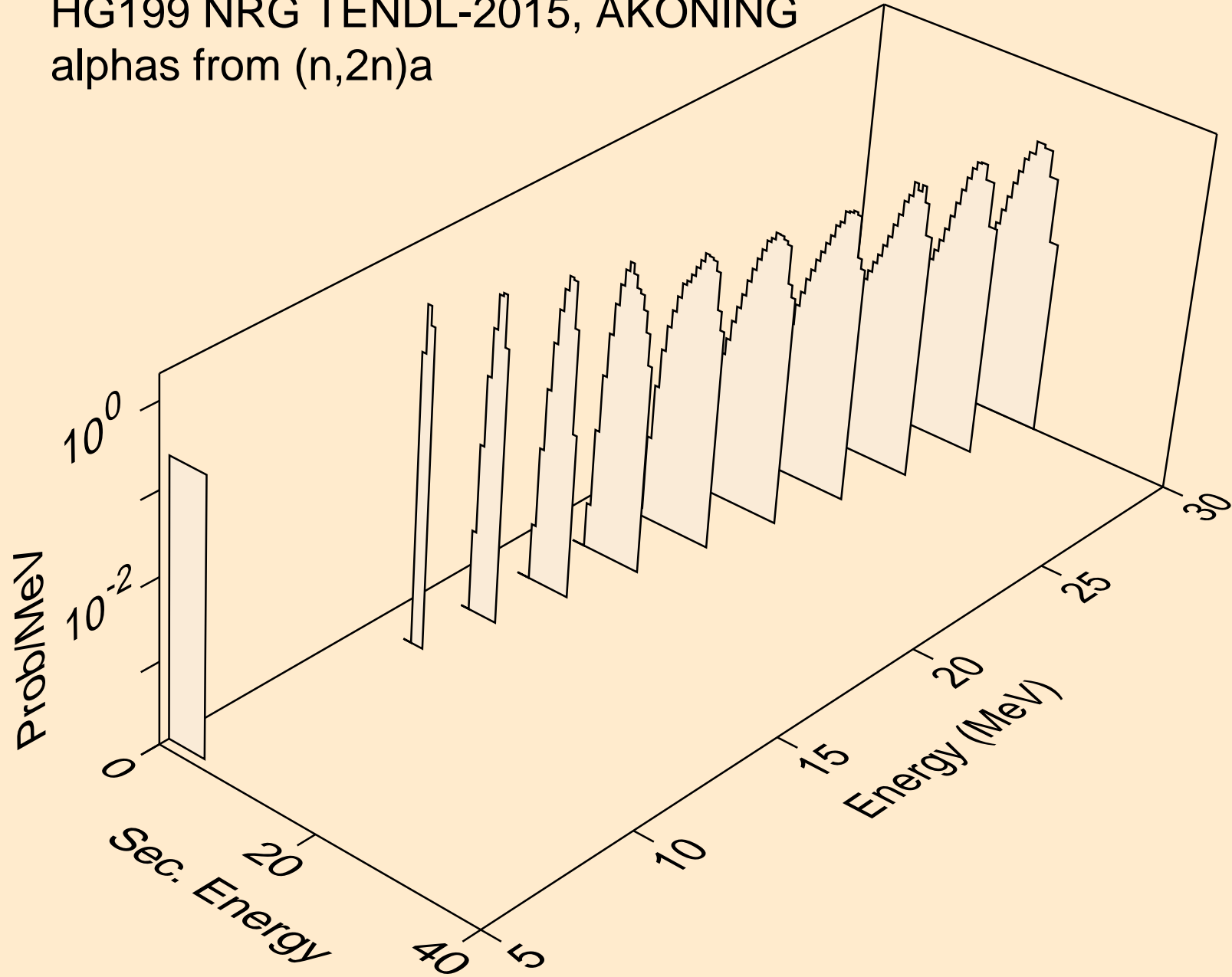
HG199 NRG TENDL-2015, AKONING  
alphas from (n,x)



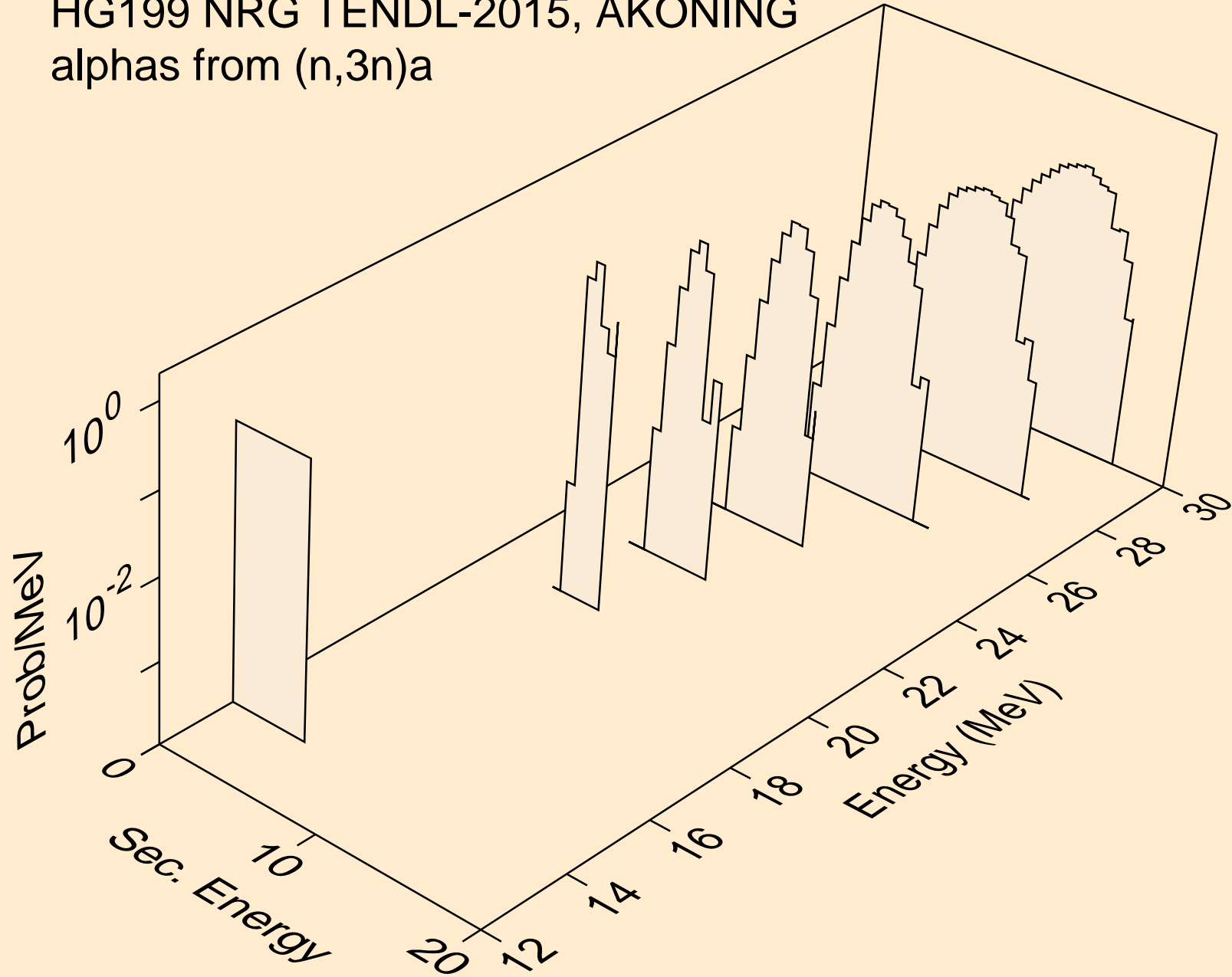
HG199 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



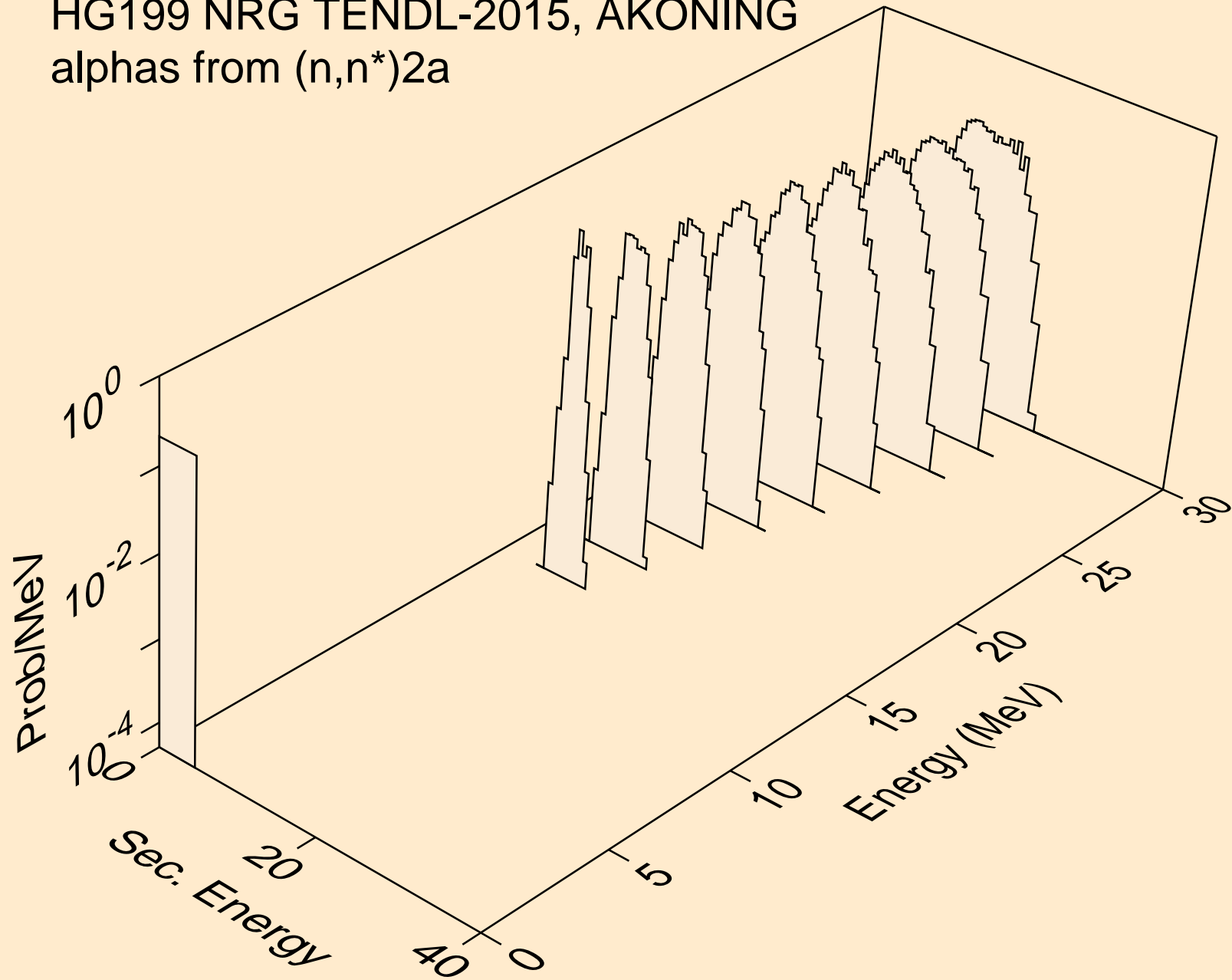
HG199 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



HG199 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

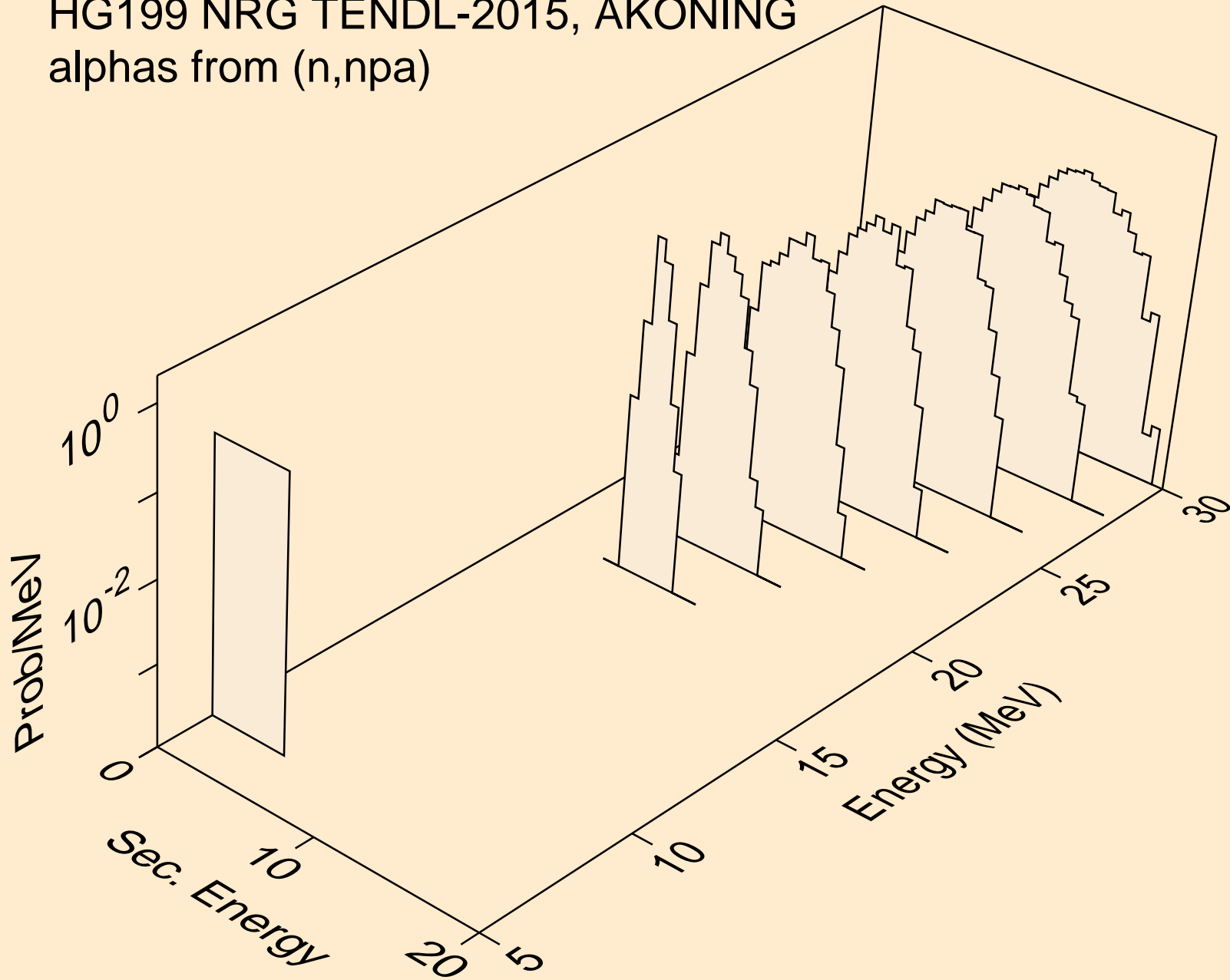


HG199 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

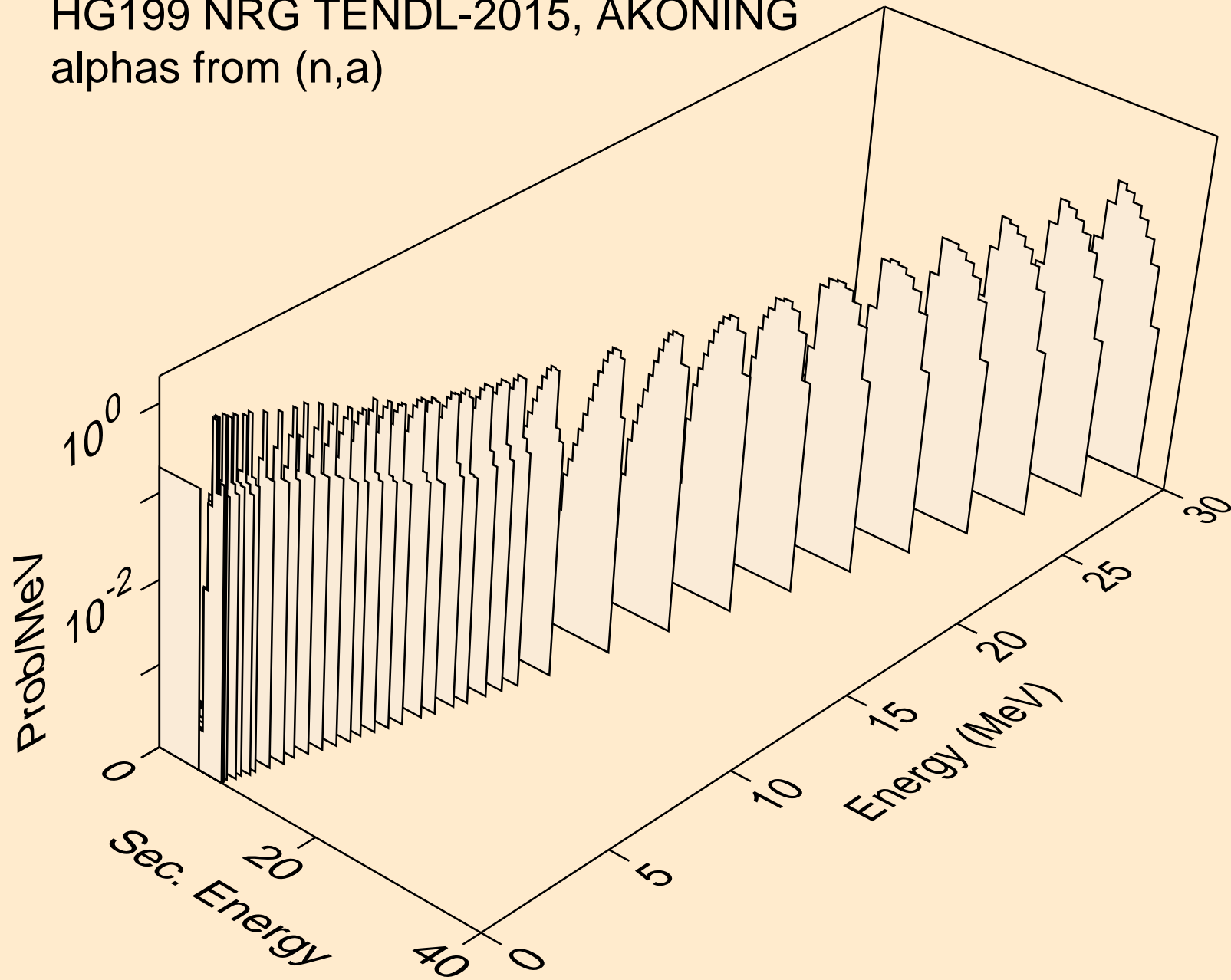




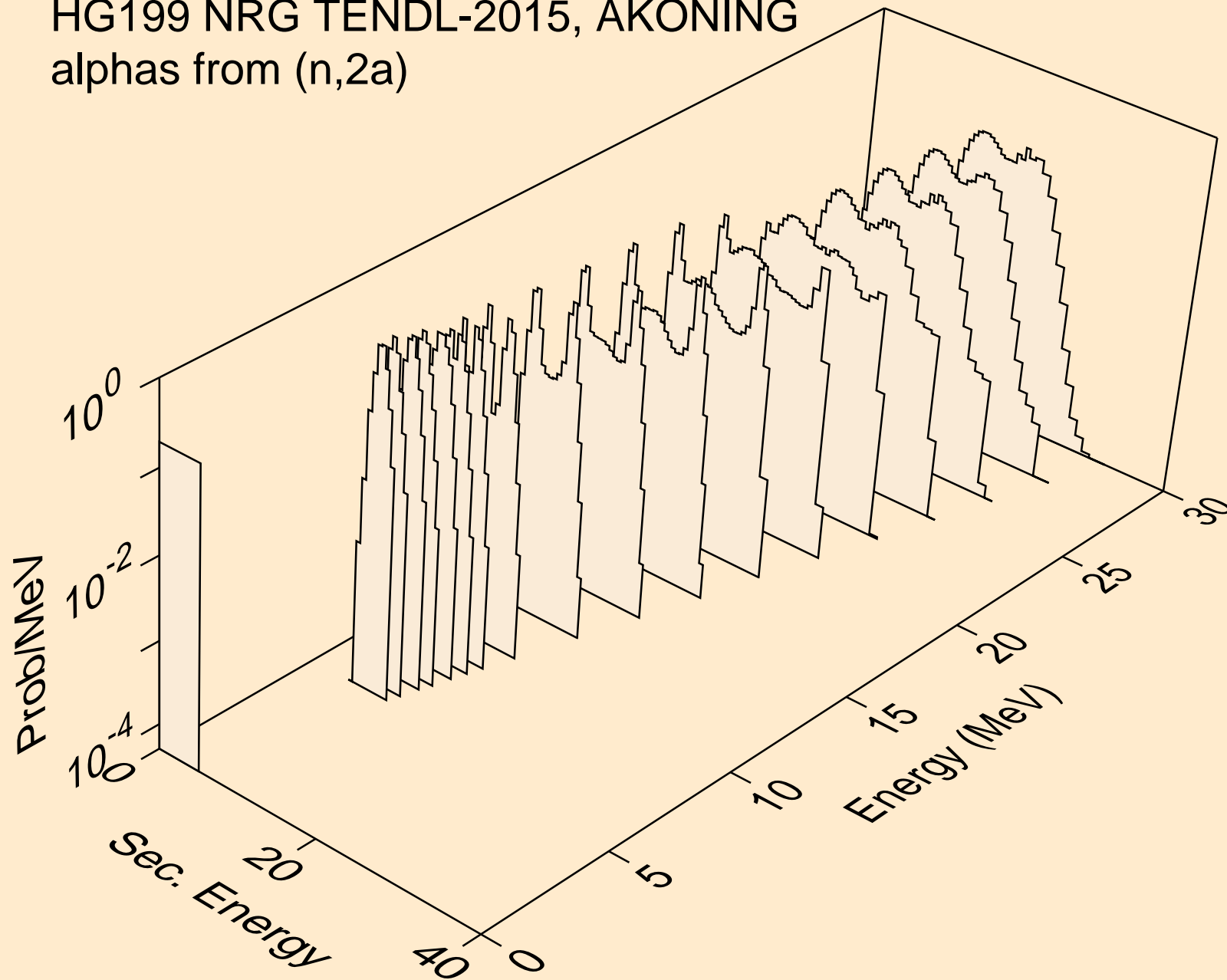
HG199 NRG TENDL-2015, AKONING  
alphas from (n,npa)



HG199 NRG TENDL-2015, AKONING  
alphas from (n,a)



HG199 NRG TENDL-2015, AKONING  
alphas from (n,2a)



HG199 NRG TENDL-2015, AKONING  
alphas from (n,pa)

