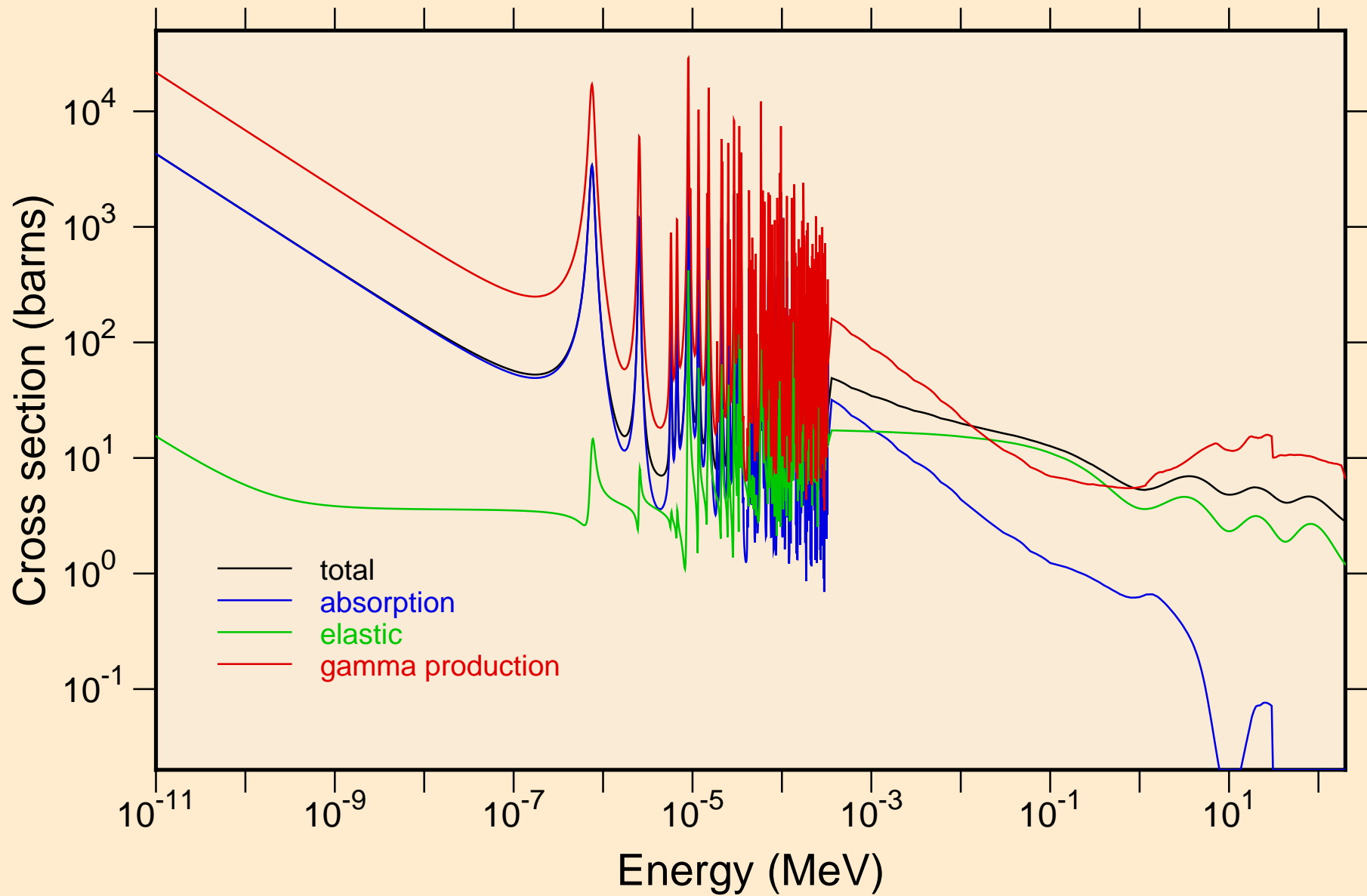
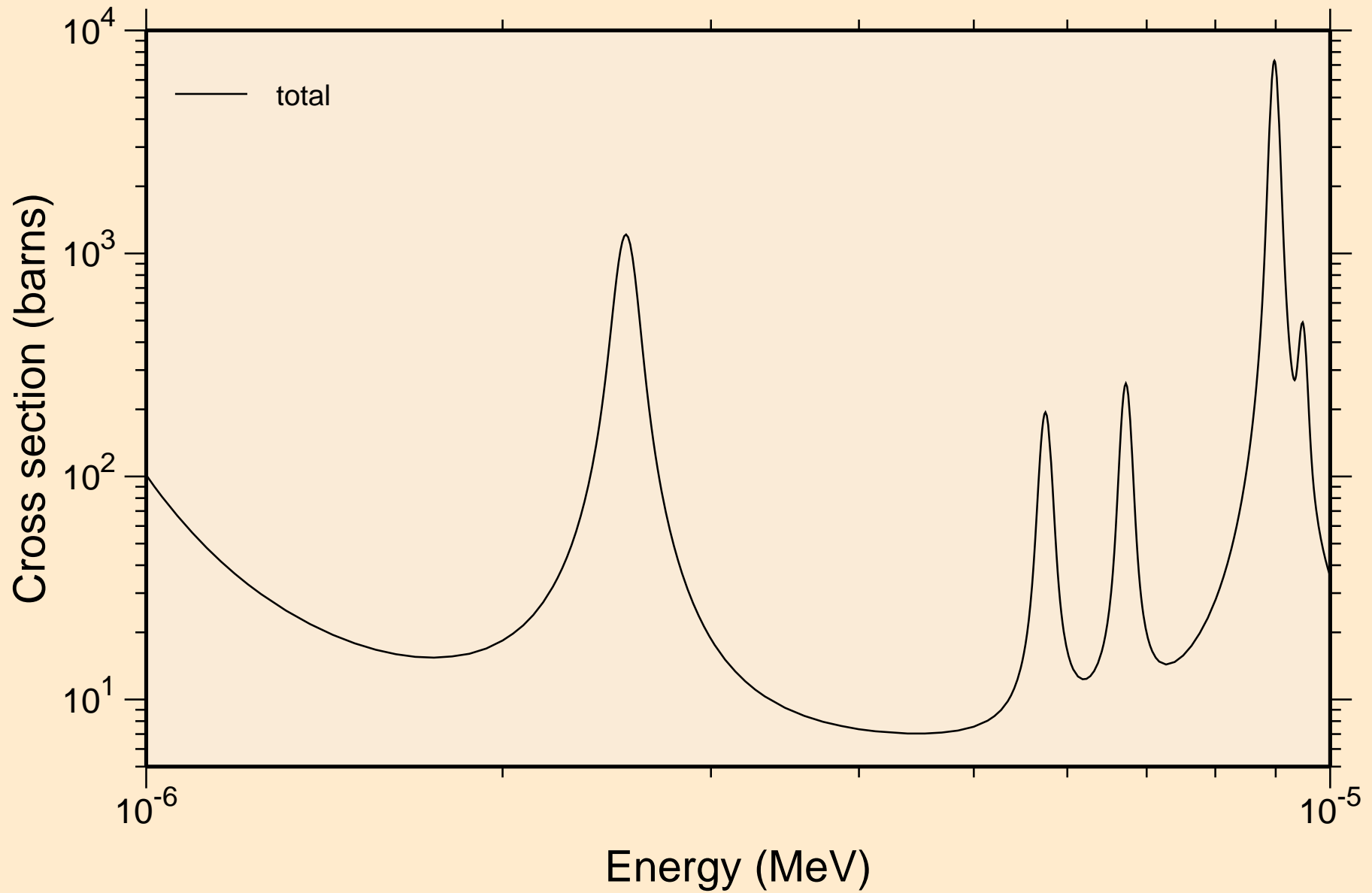


# PT189 NRG TENDL-2015, AKONING

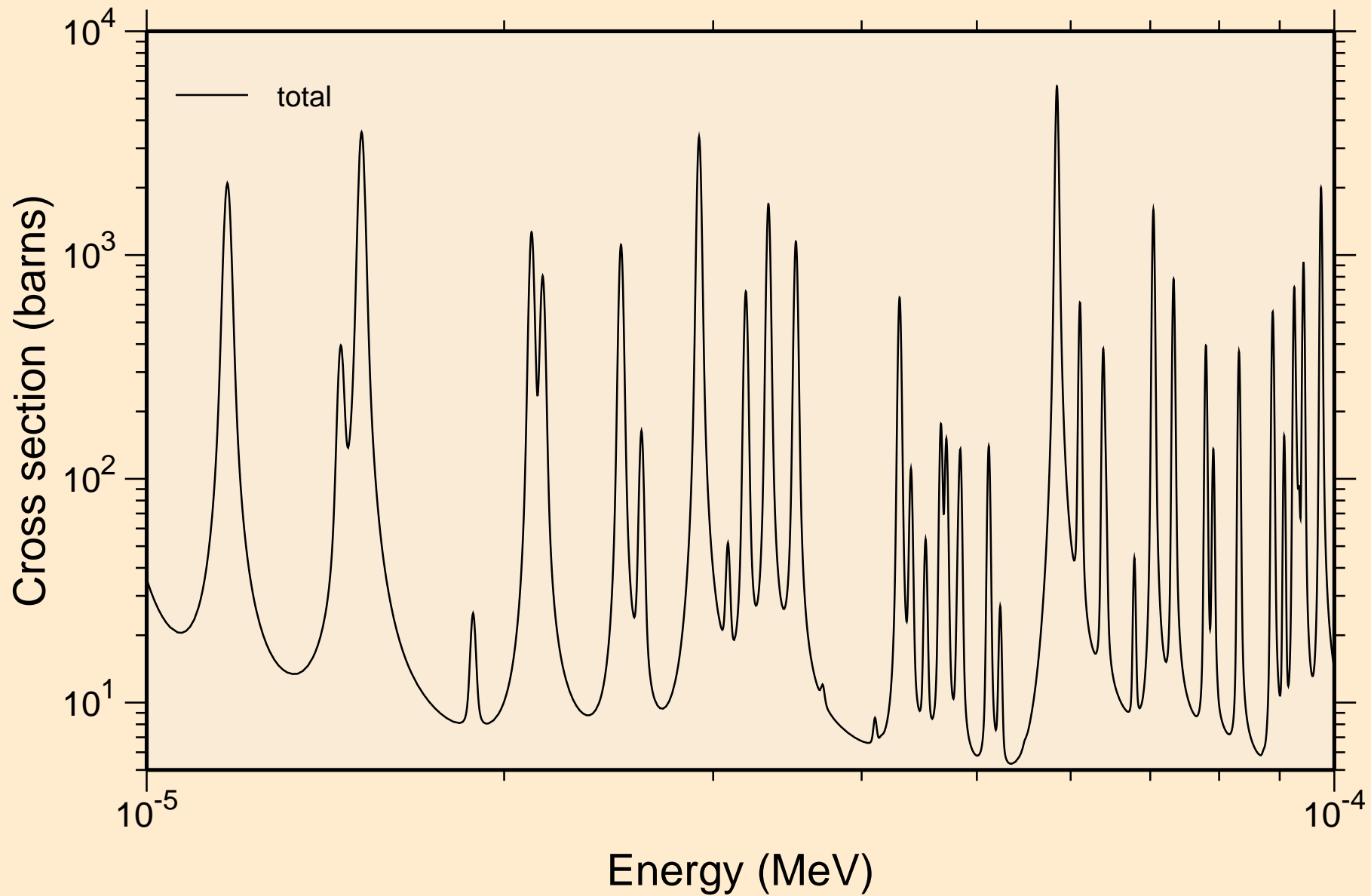
## Principal cross sections



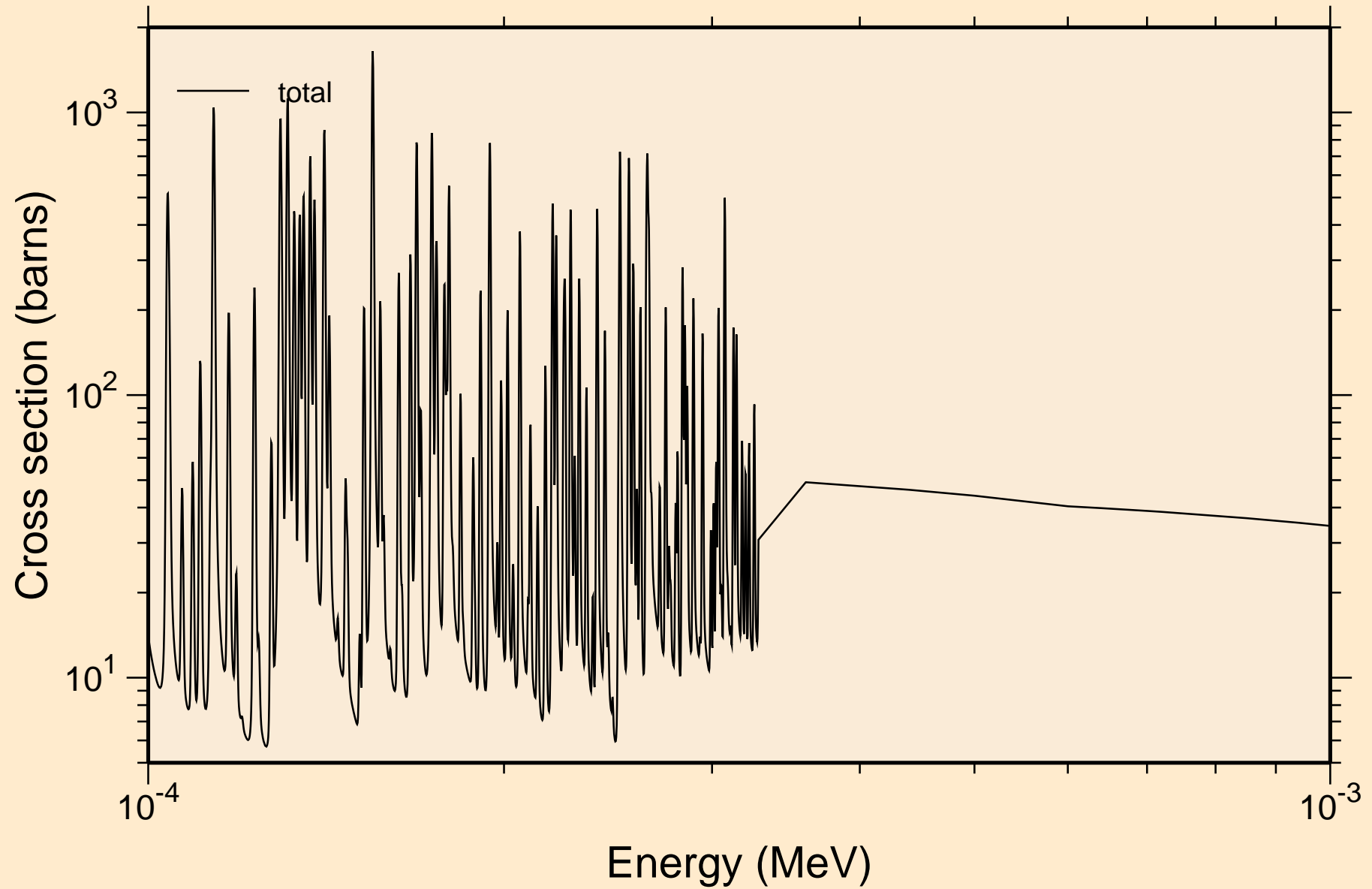
PT189 NRG TENDL-2015, AKONING  
resonance total cross section



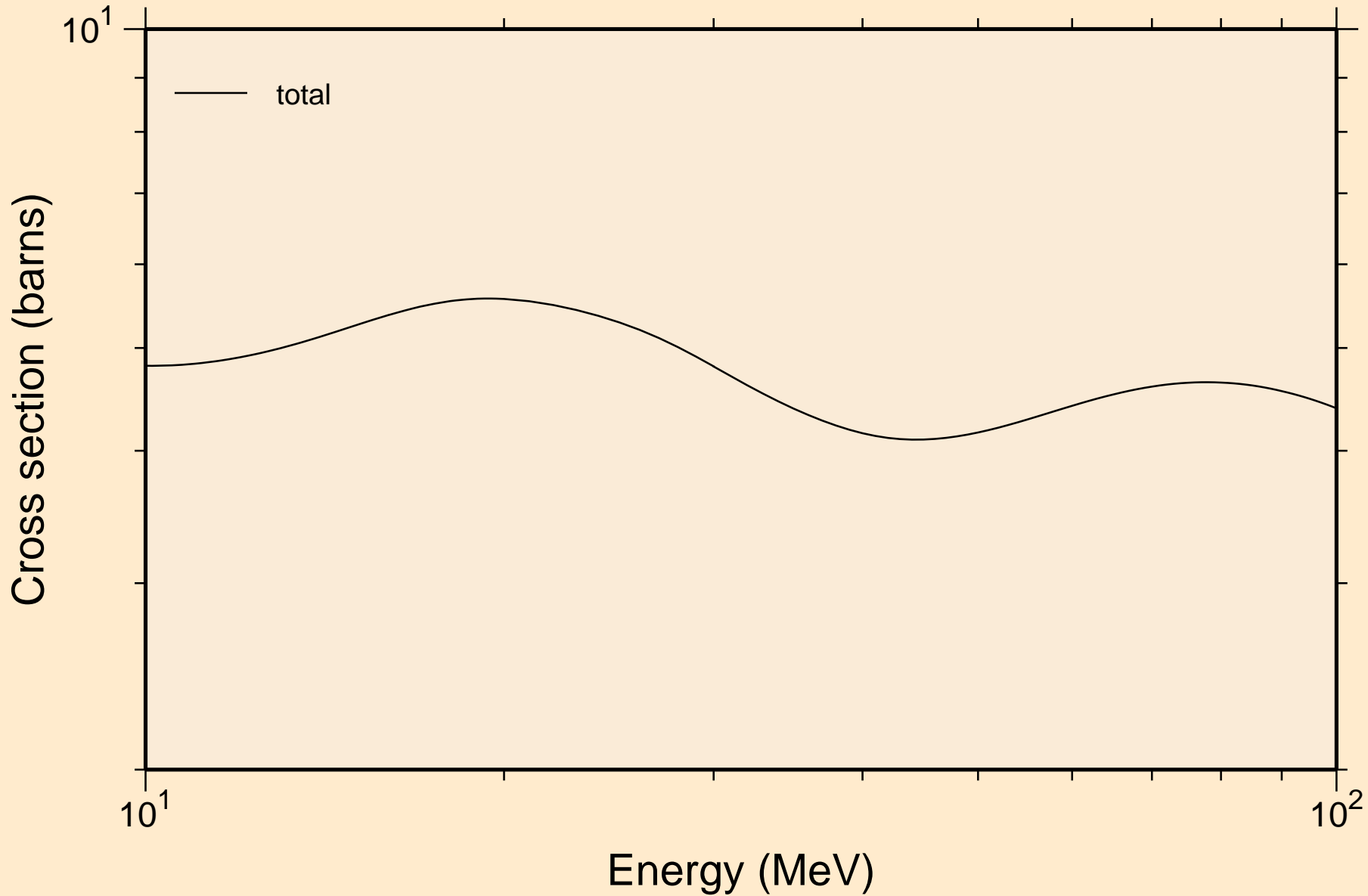
PT189 NRG TENDL-2015, AKONING  
resonance total cross section



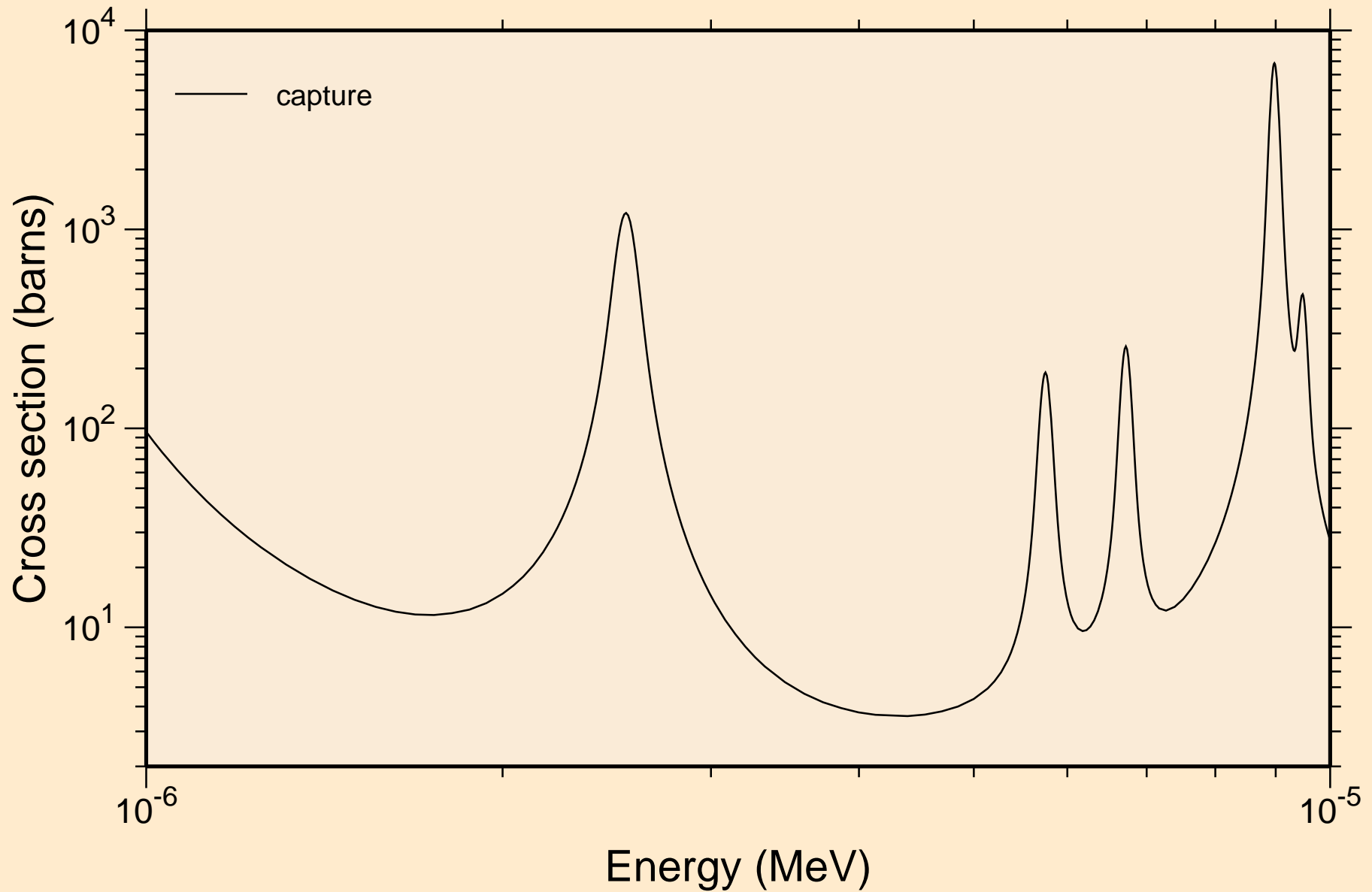
PT189 NRG TENDL-2015, AKONING  
resonance total cross section



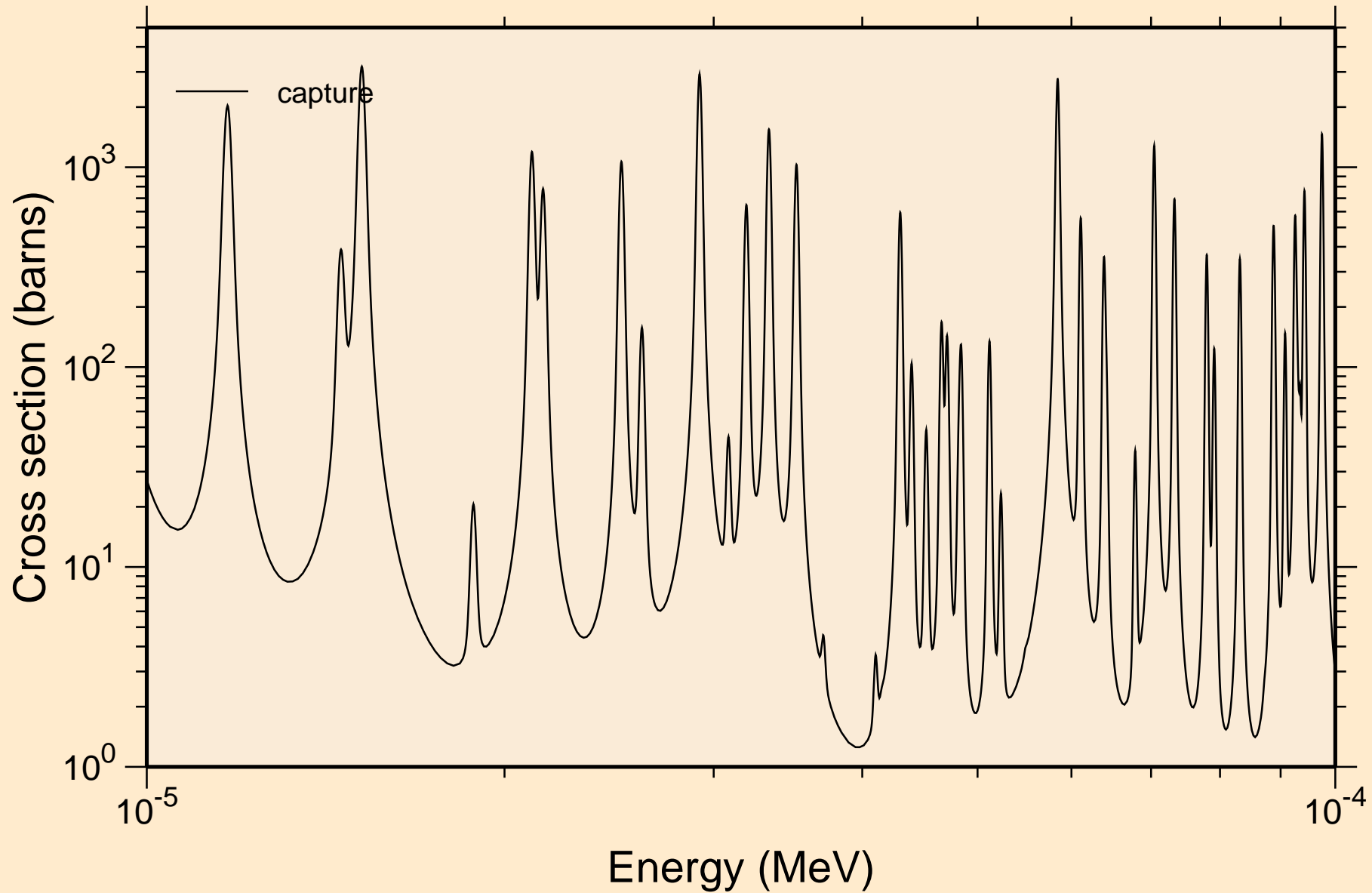
PT189 NRG TENDL-2015, AKONING  
resonance total cross section



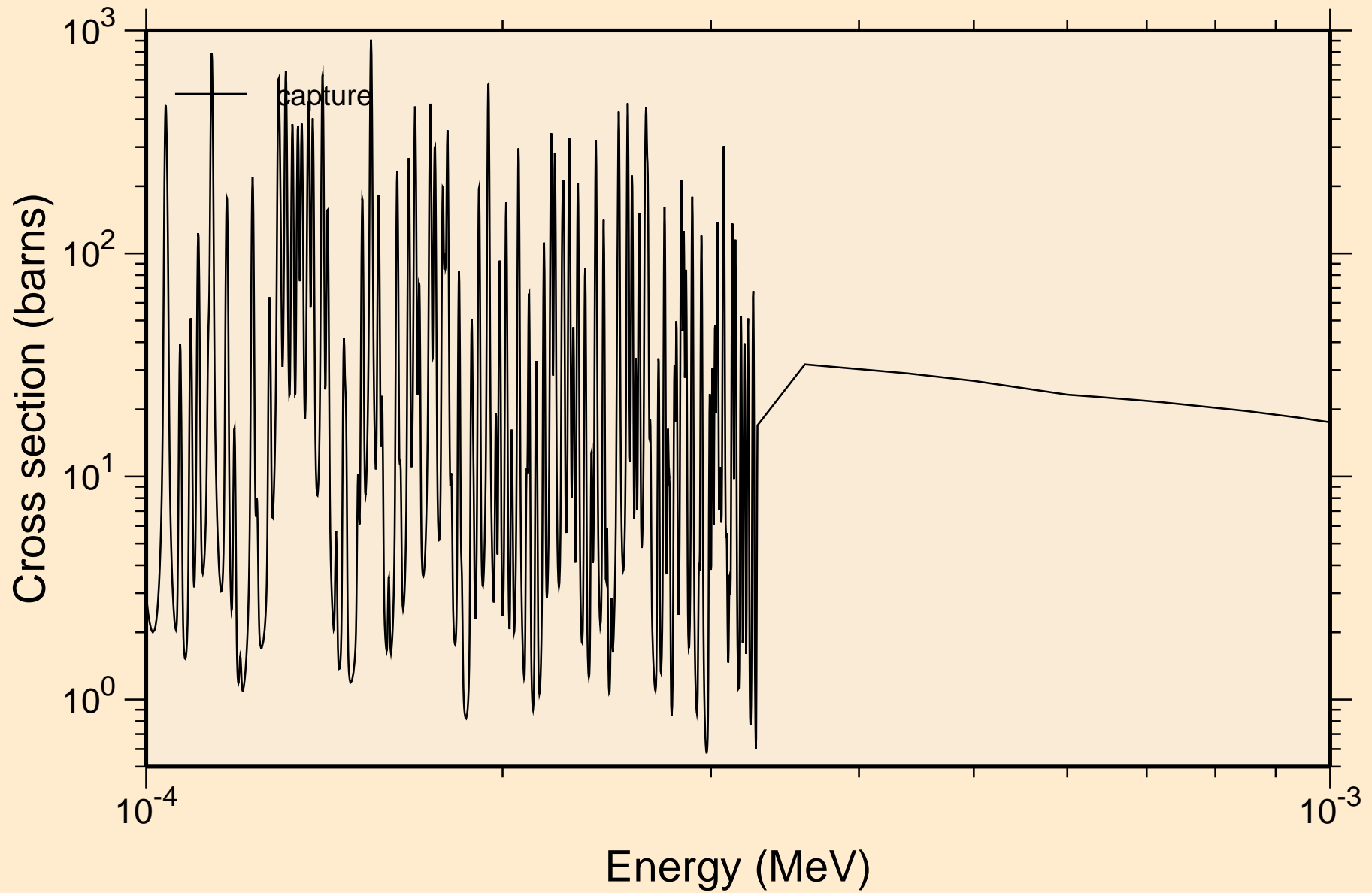
PT189 NRG TENDL-2015, AKONING  
resonance absorption cross sections



PT189 NRG TENDL-2015, AKONING  
resonance absorption cross sections

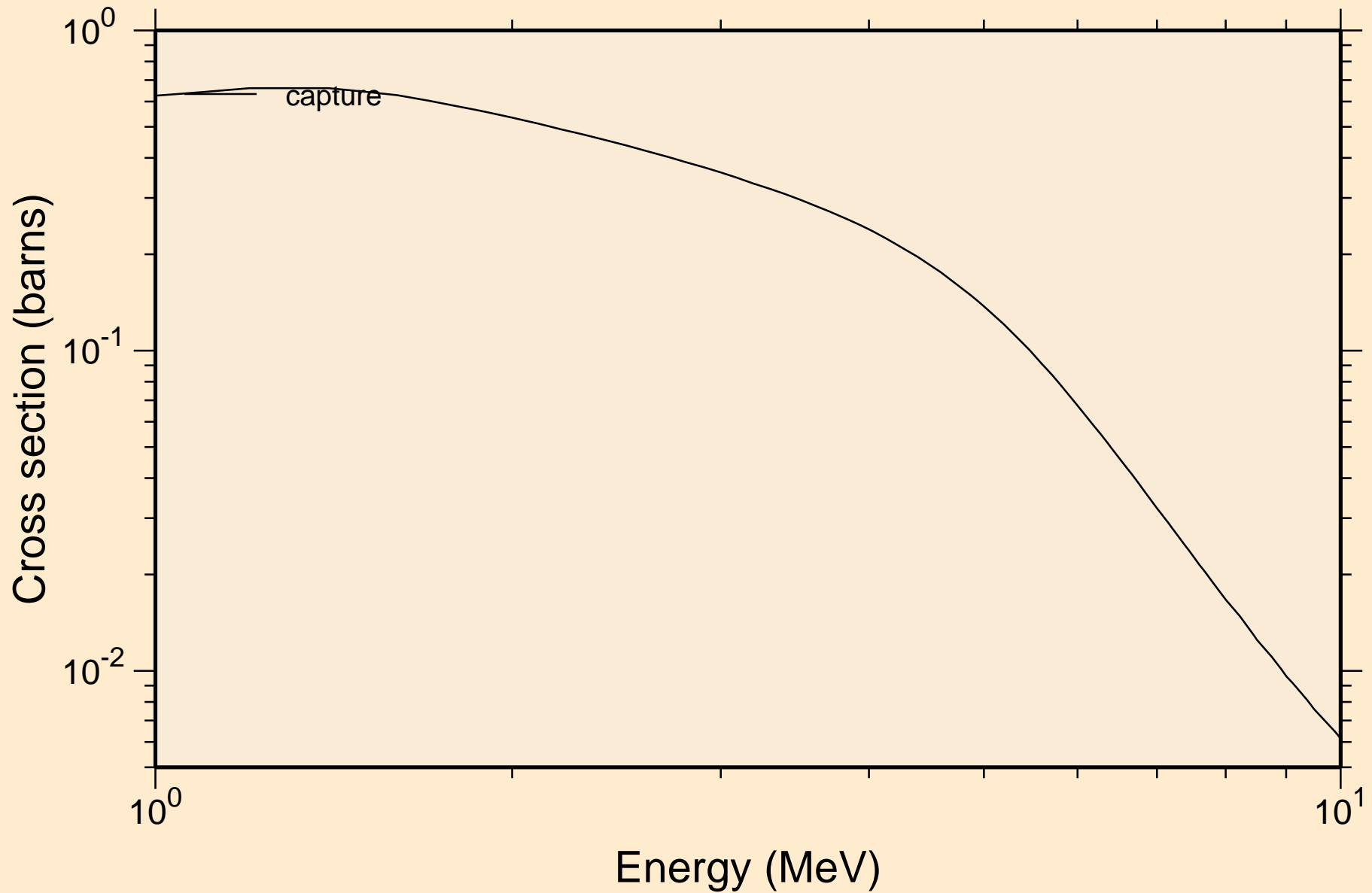


PT189 NRG TENDL-2015, AKONING  
resonance absorption cross sections

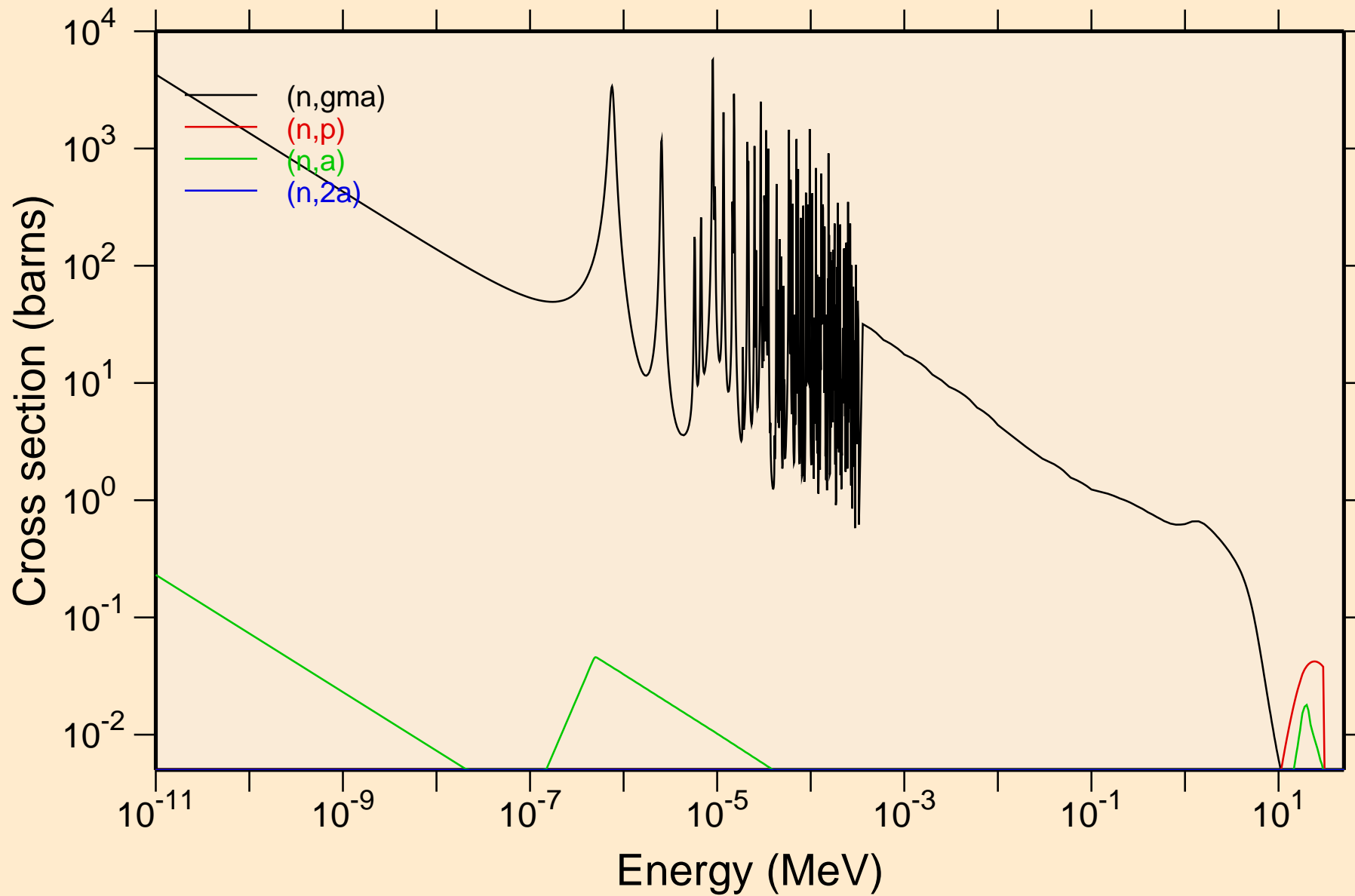




PT189 NRG TENDL-2015, AKONING  
resonance absorption cross sections

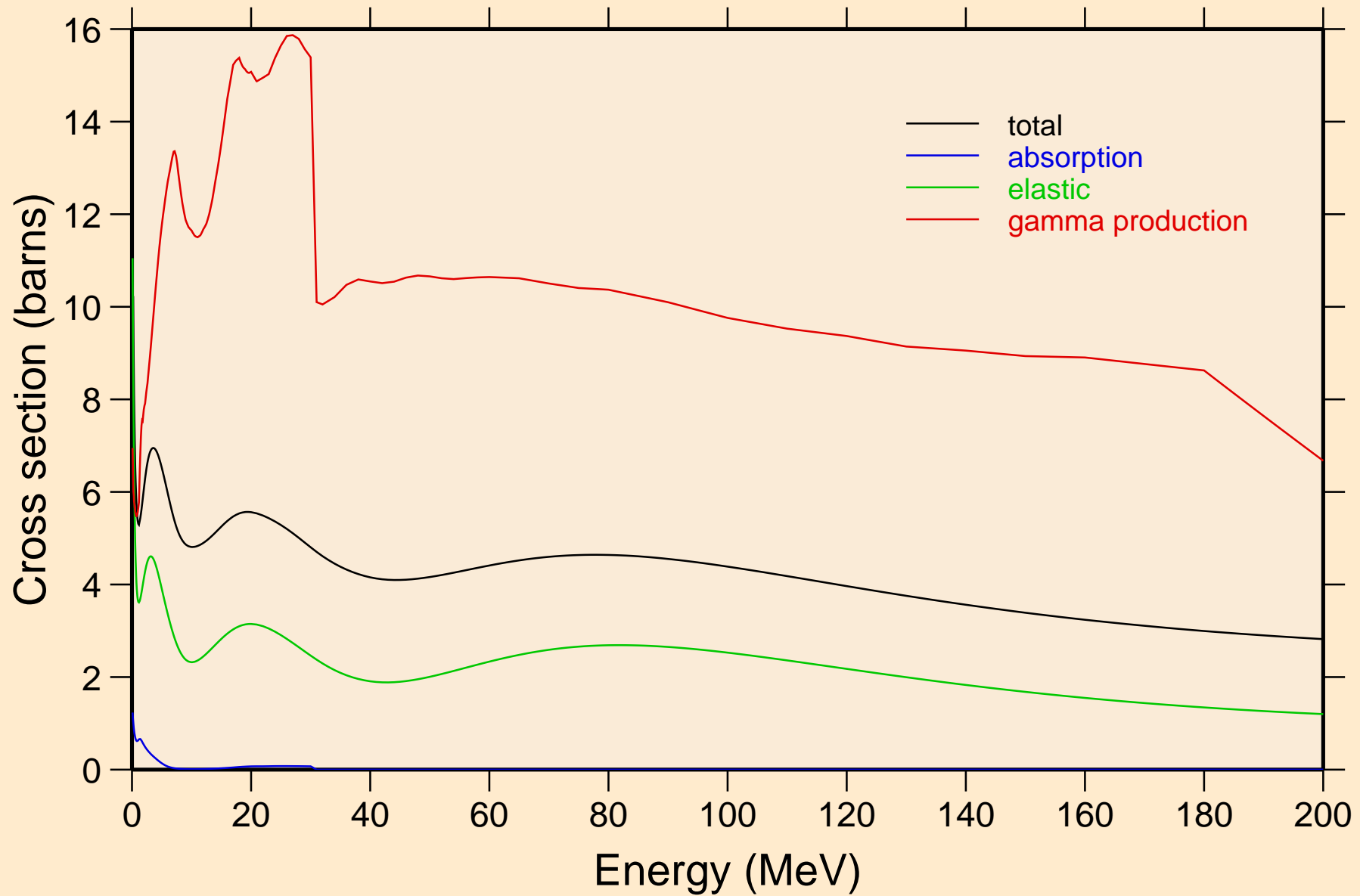


PT189 NRG TENDL-2015, AKONING  
Non-threshold reactions

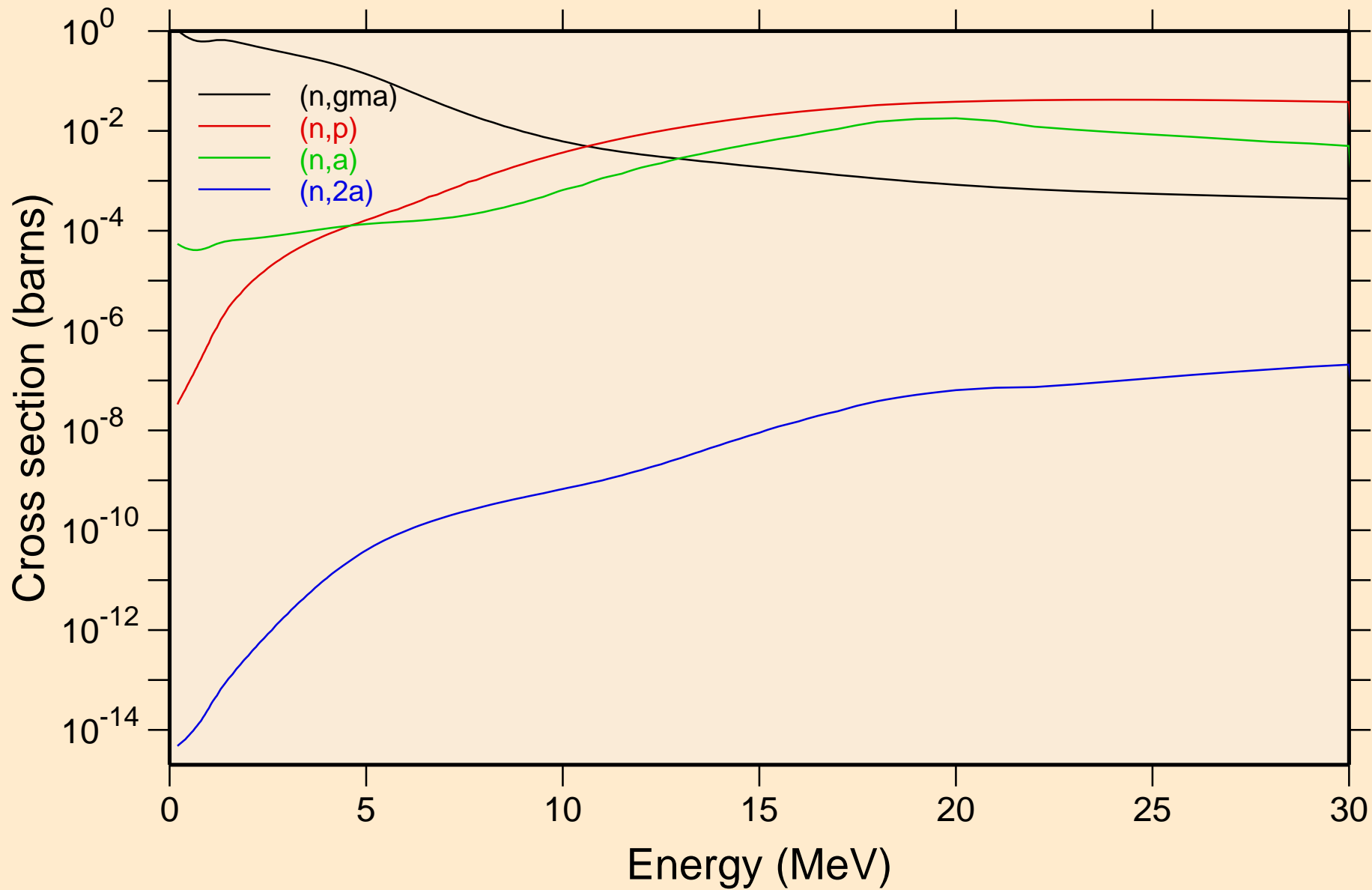


# PT189 NRG TENDL-2015, AKONING

## Principal cross sections

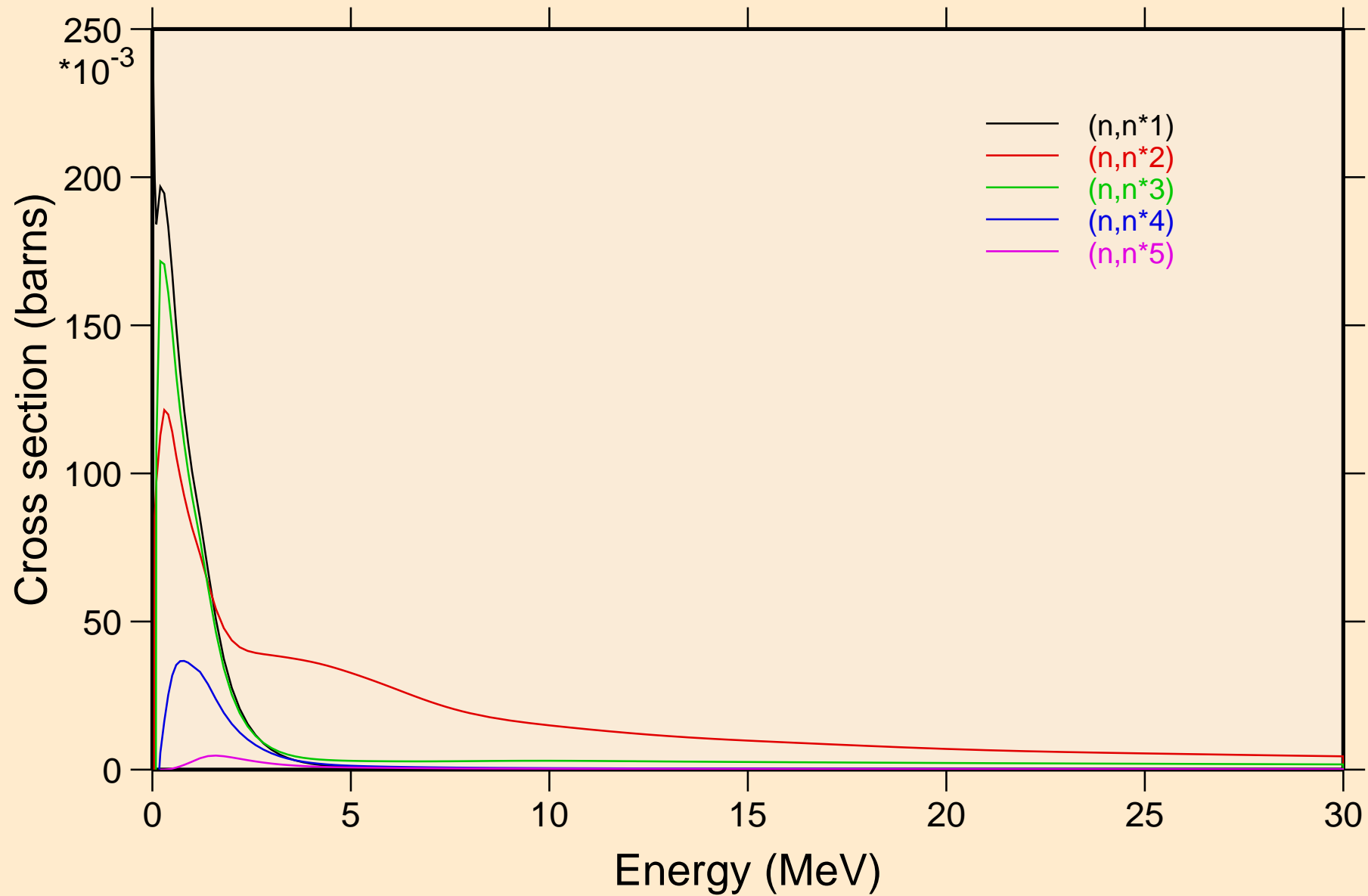


PT189 NRG TENDL-2015, AKONING  
Non-threshold reactions

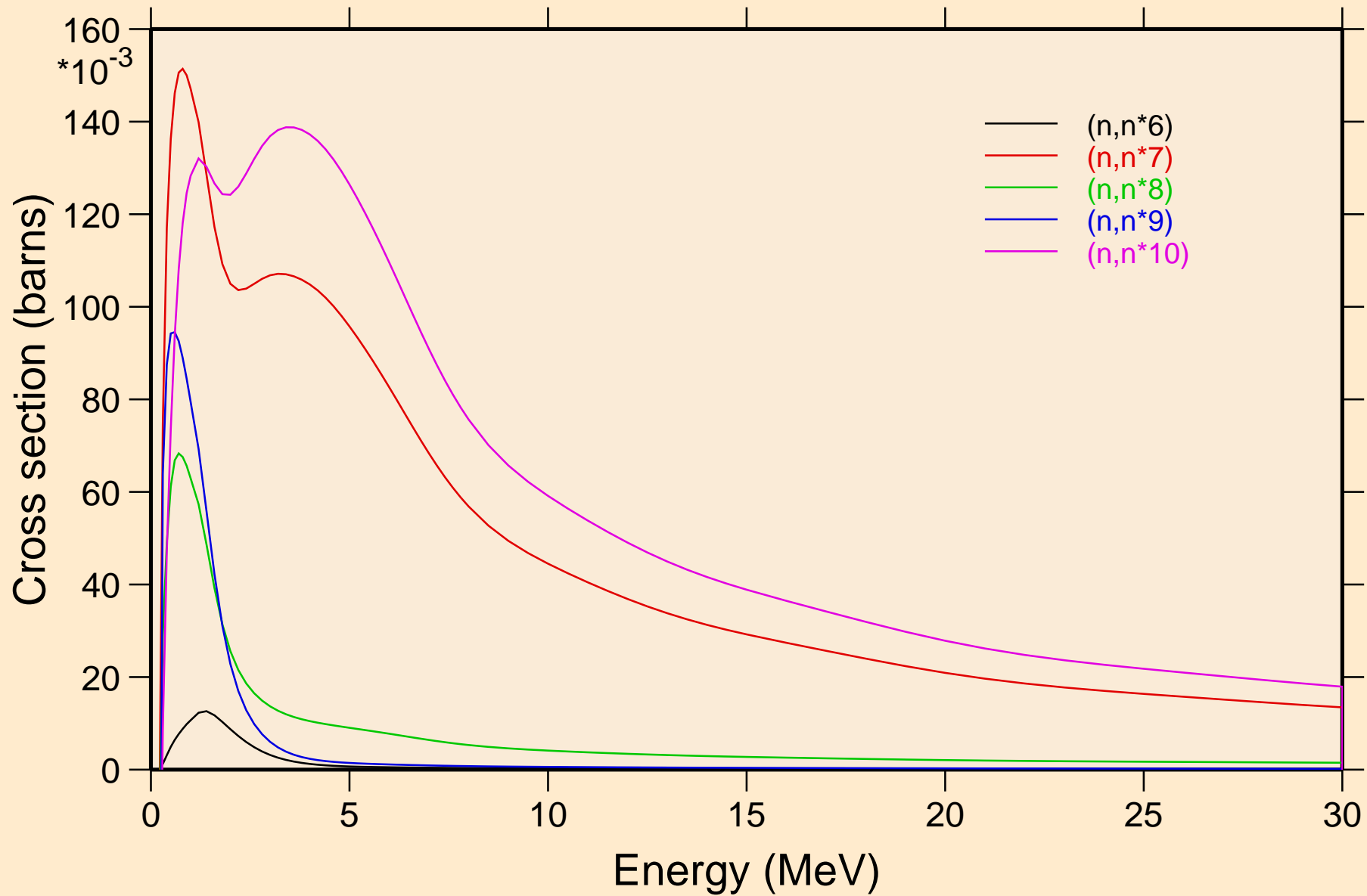


# PT189 NRG TENDL-2015, AKONING

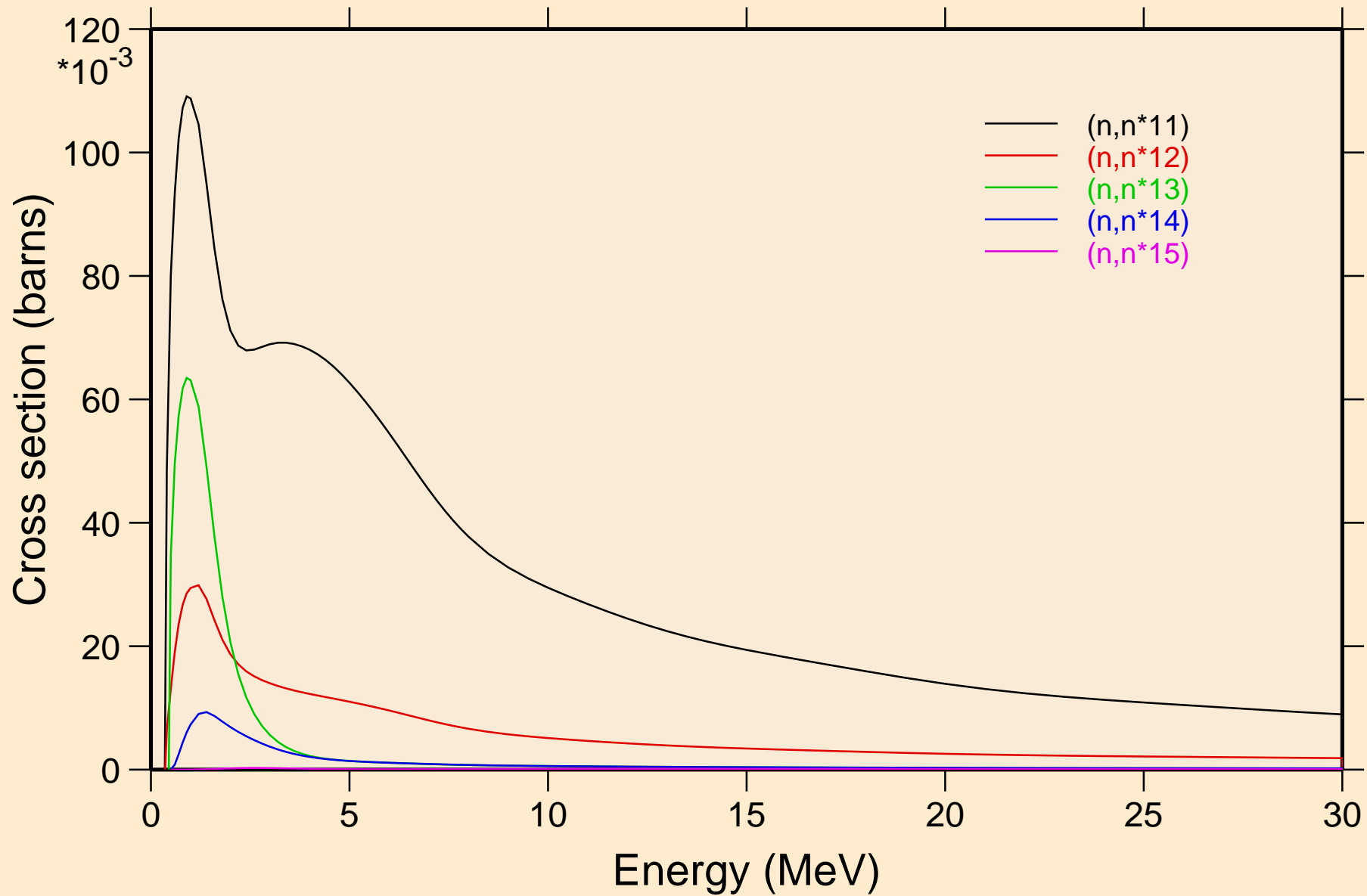
## Inelastic levels



PT189 NRG TENDL-2015, AKONING  
Inelastic levels

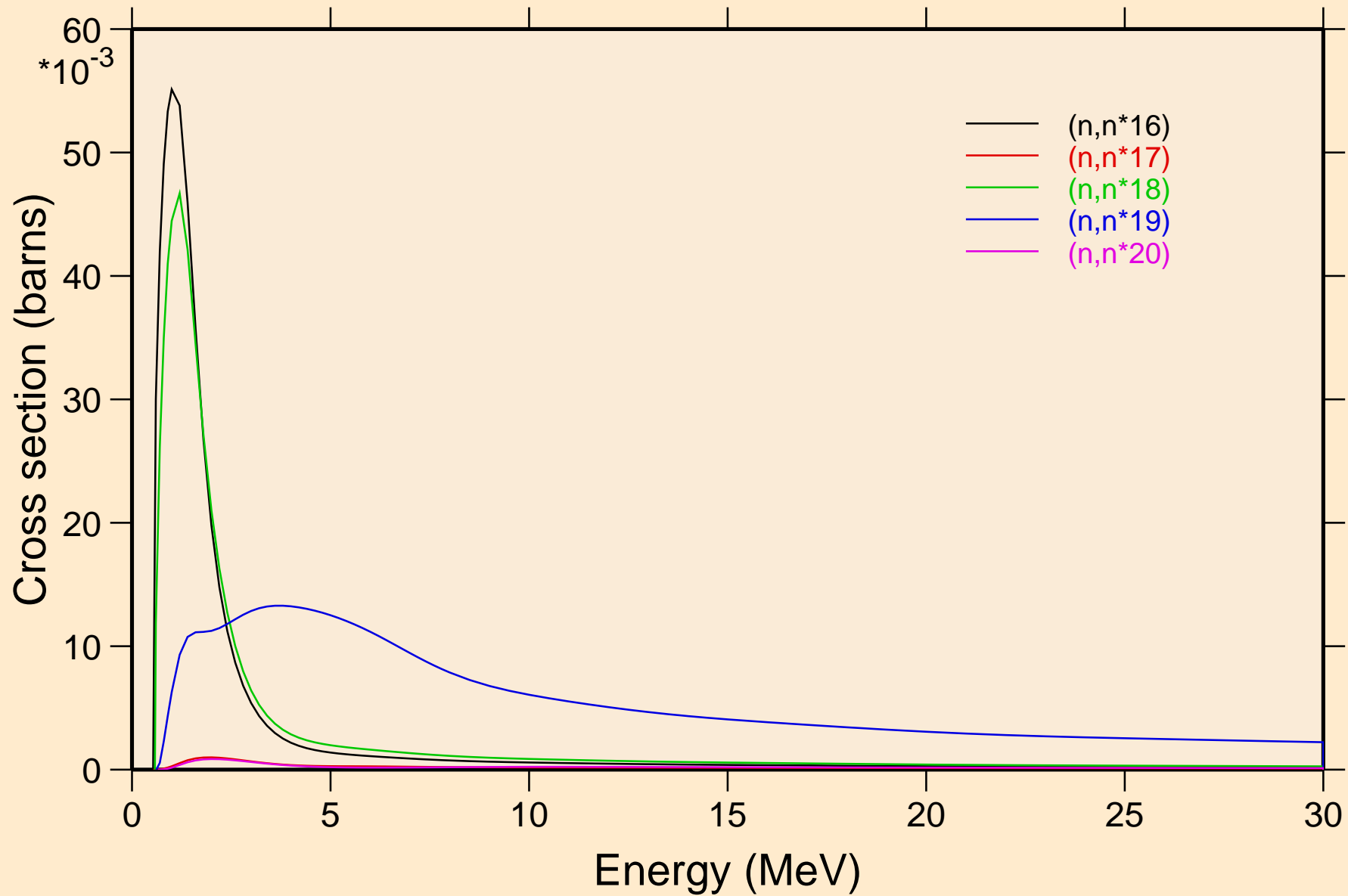


PT189 NRG TENDL-2015, AKONING  
Inelastic levels



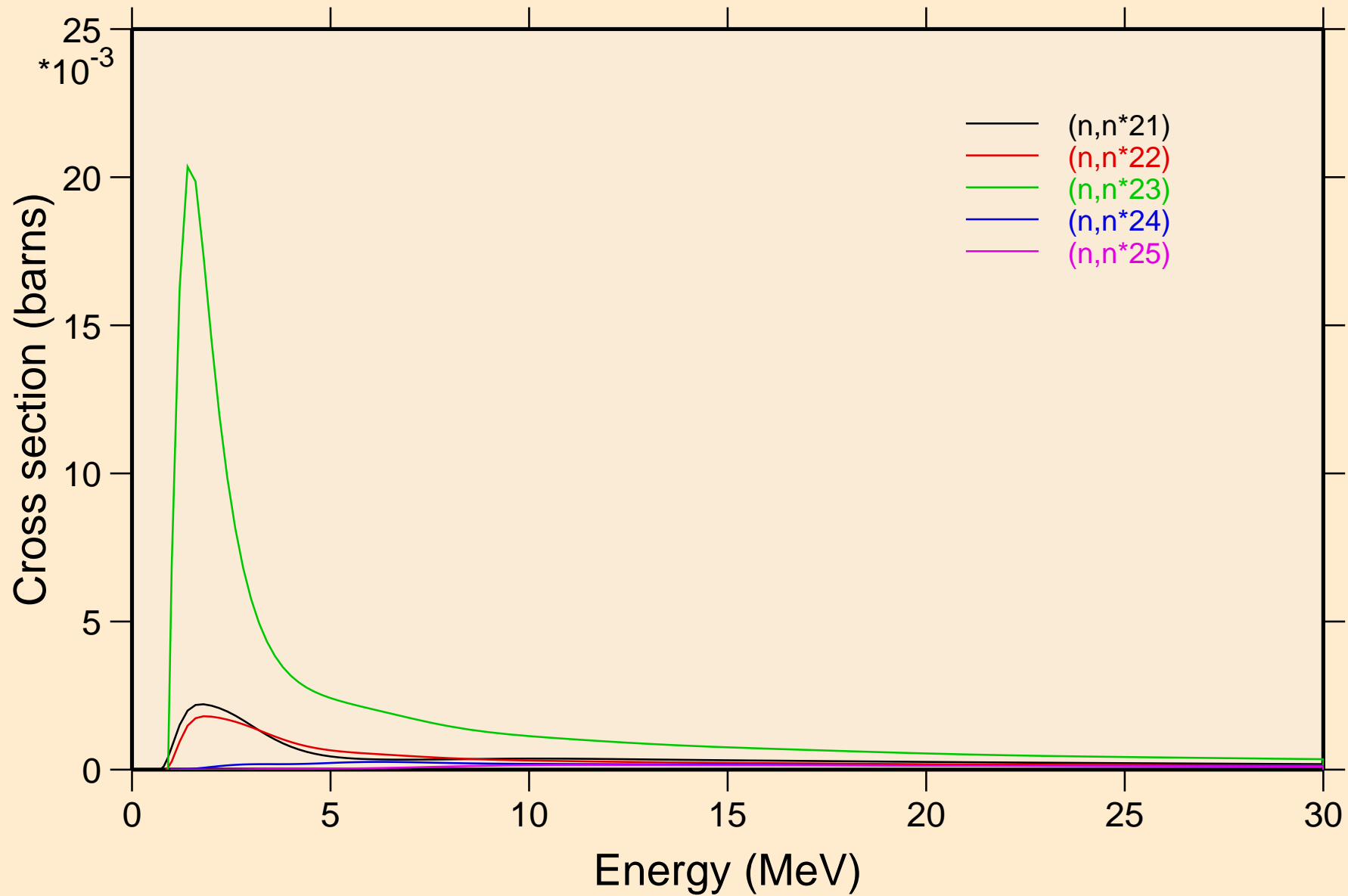
# PT189 NRG TENDL-2015, AKONING

## Inelastic levels

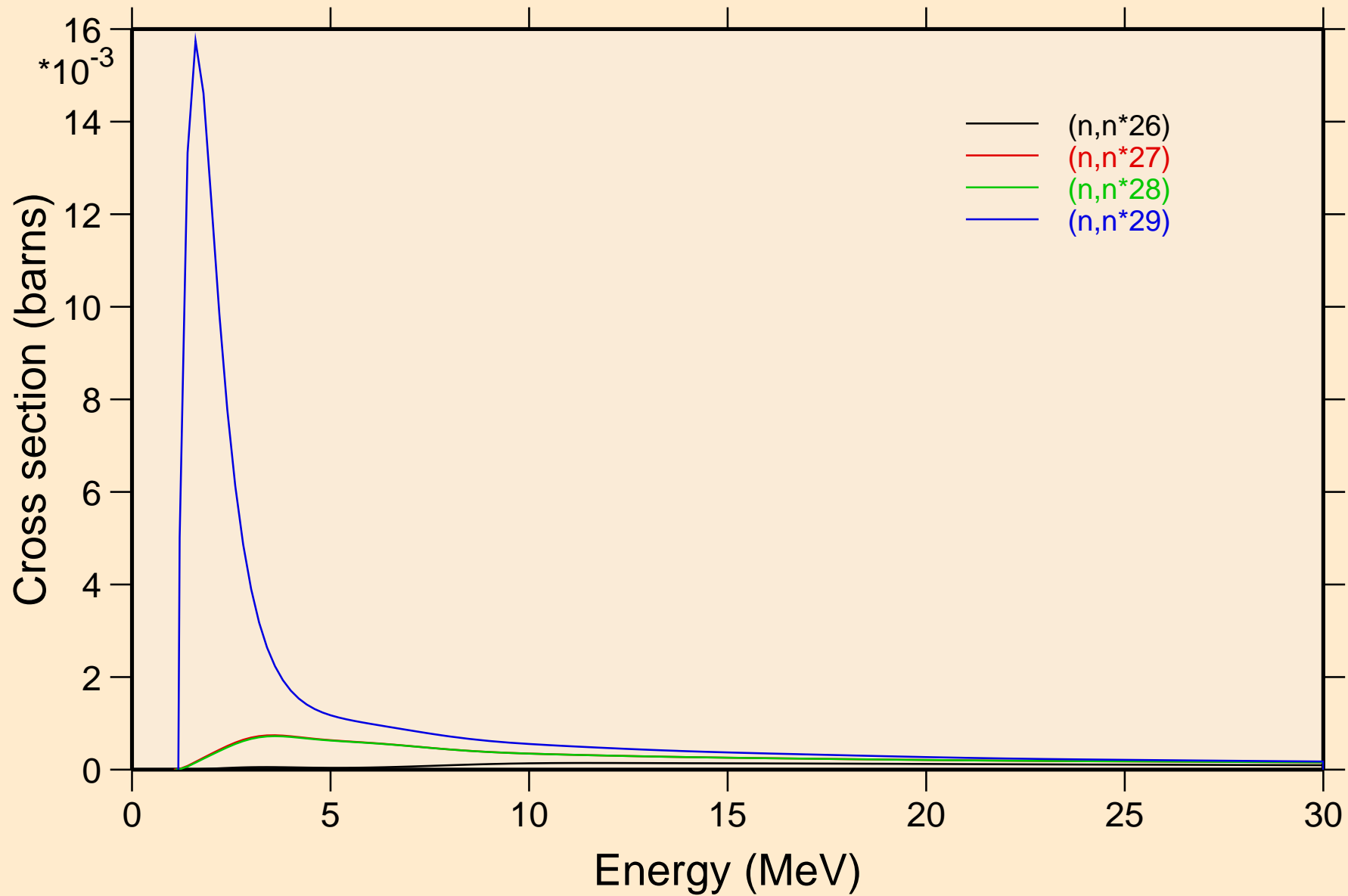




PT189 NRG TENDL-2015, AKONING  
Inelastic levels

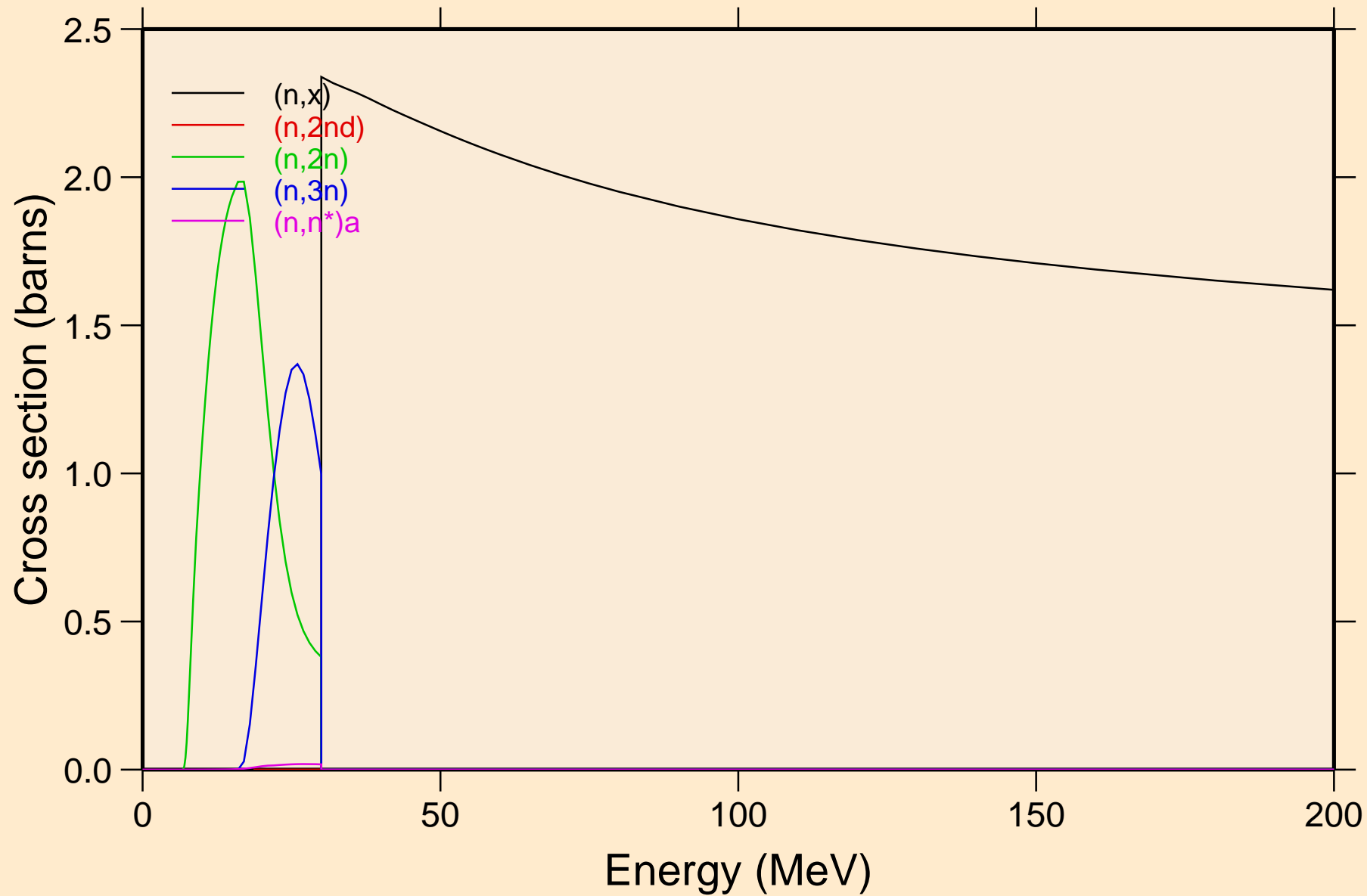


PT189 NRG TENDL-2015, AKONING  
Inelastic levels

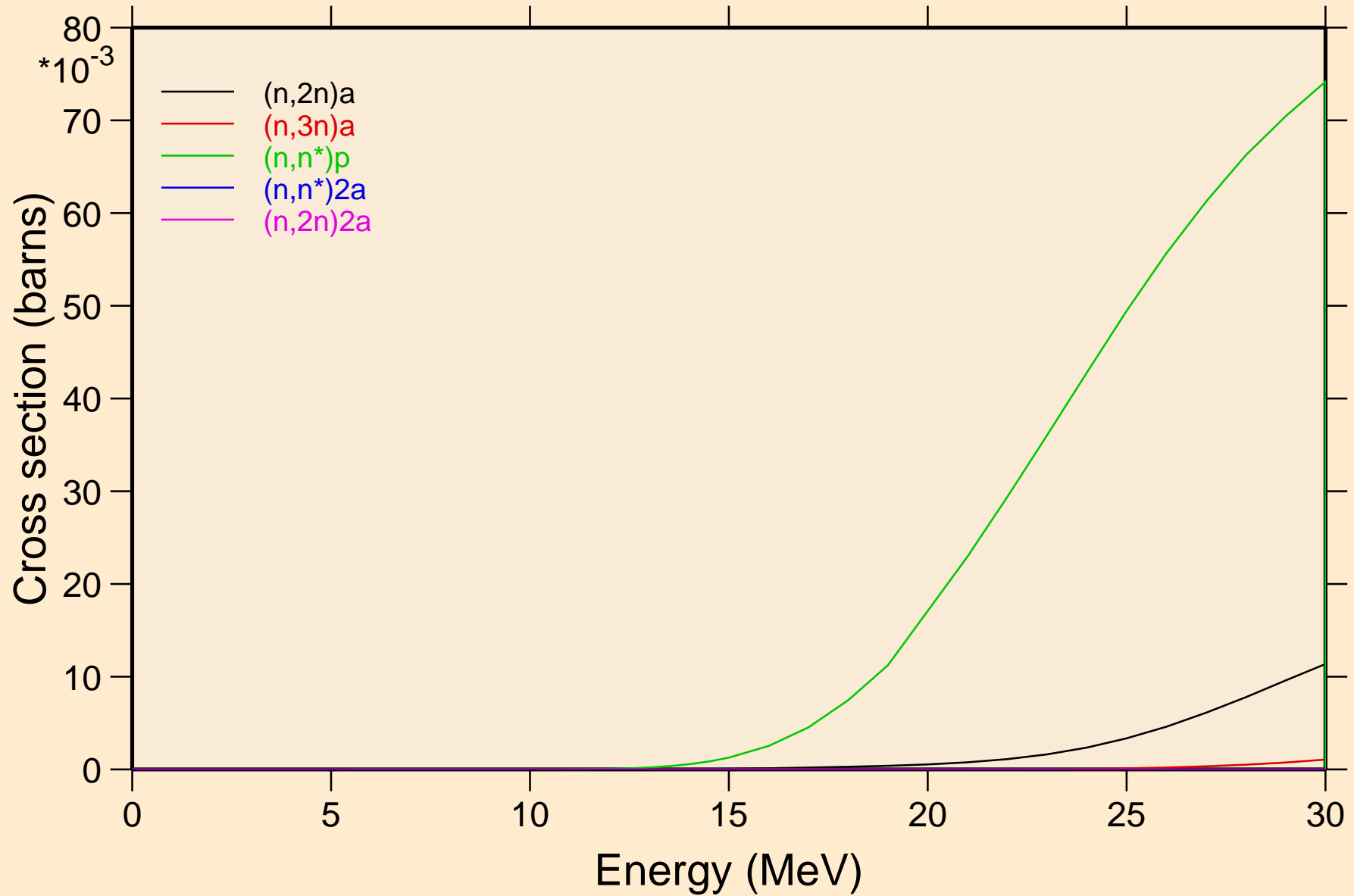


# PT189 NRG TENDL-2015, AKONING

## Threshold reactions

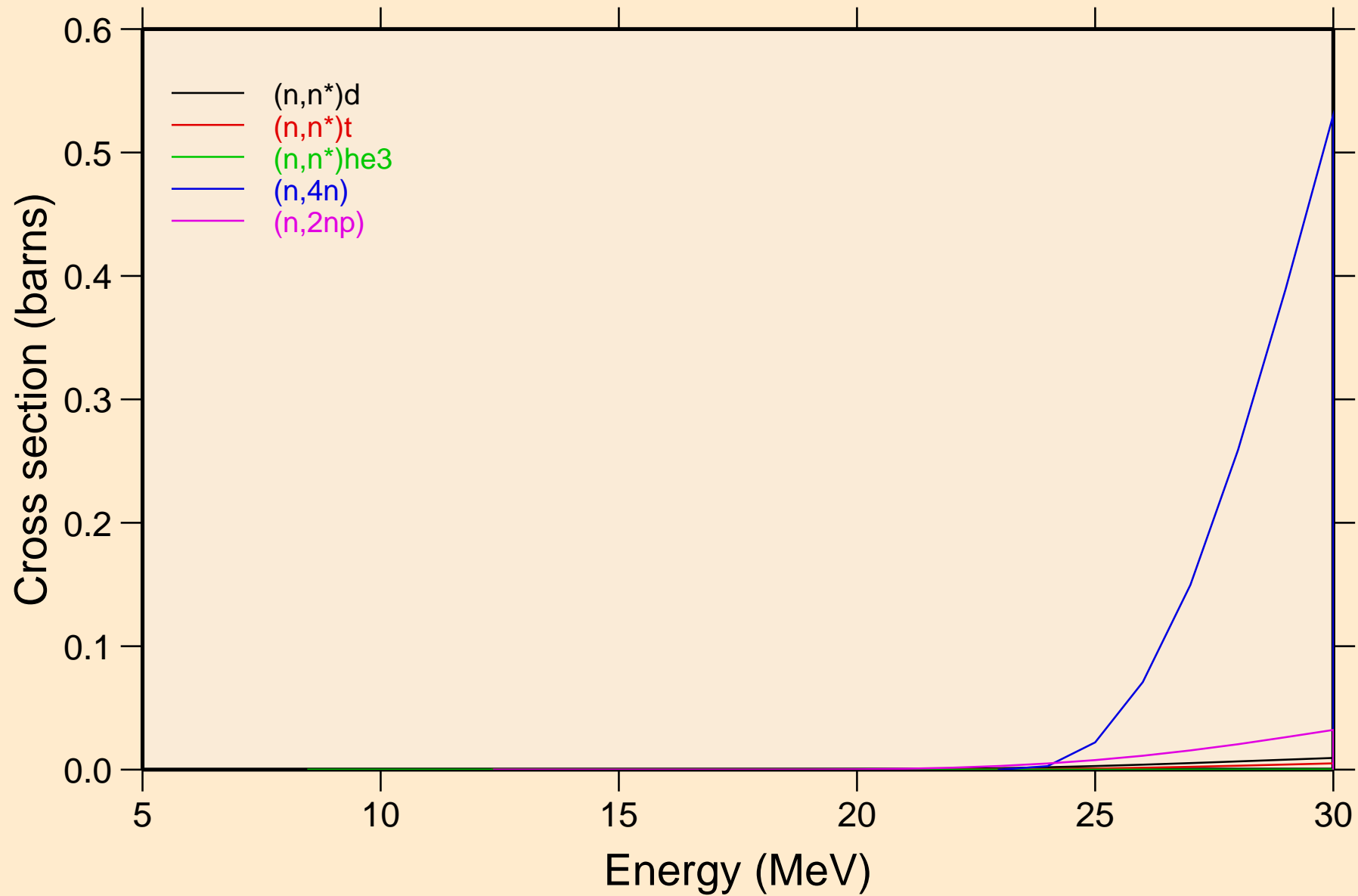


PT189 NRG TENDL-2015, AKONING  
Threshold reactions

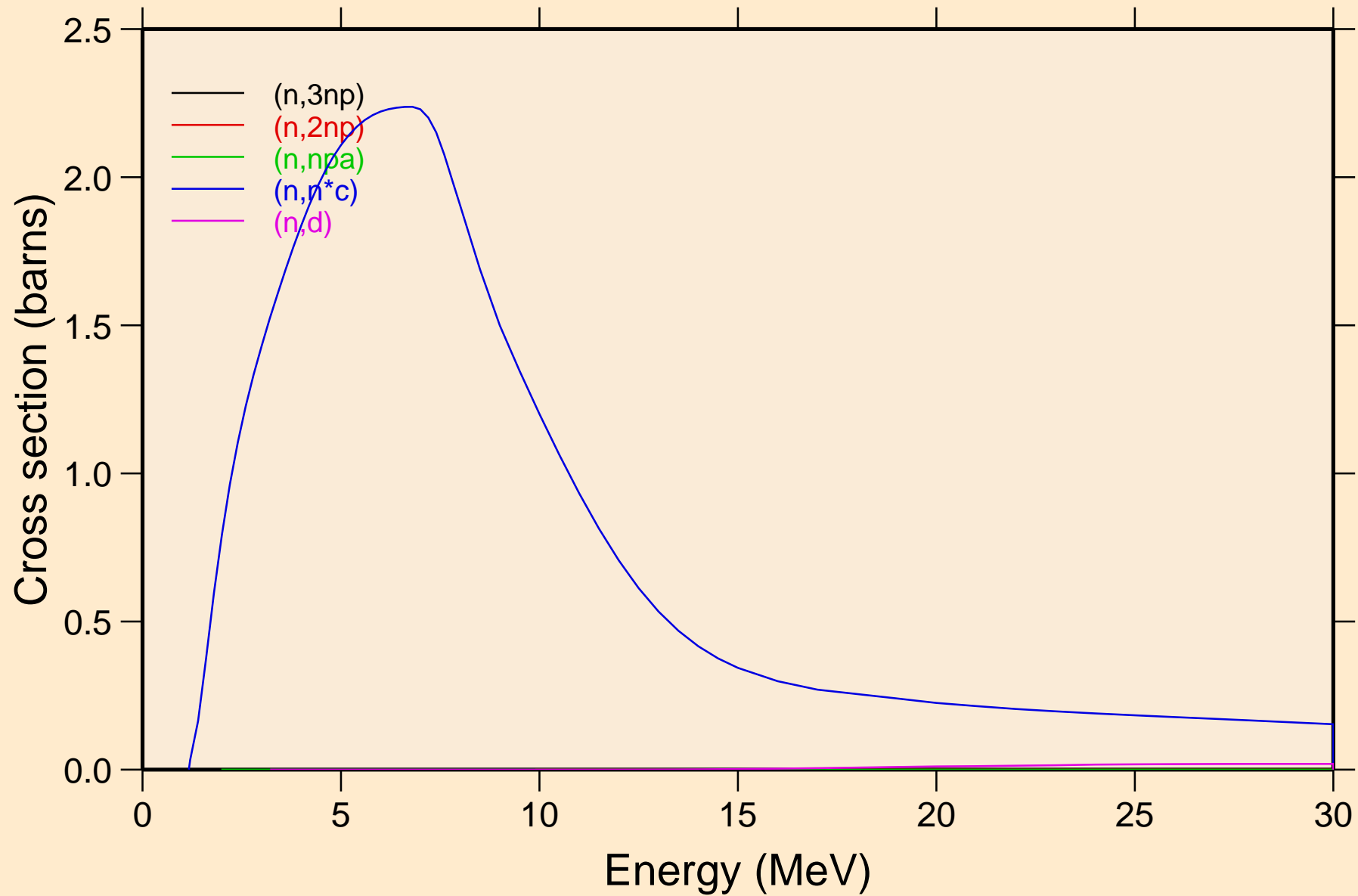


# PT189 NRG TENDL-2015, AKONING

## Threshold reactions

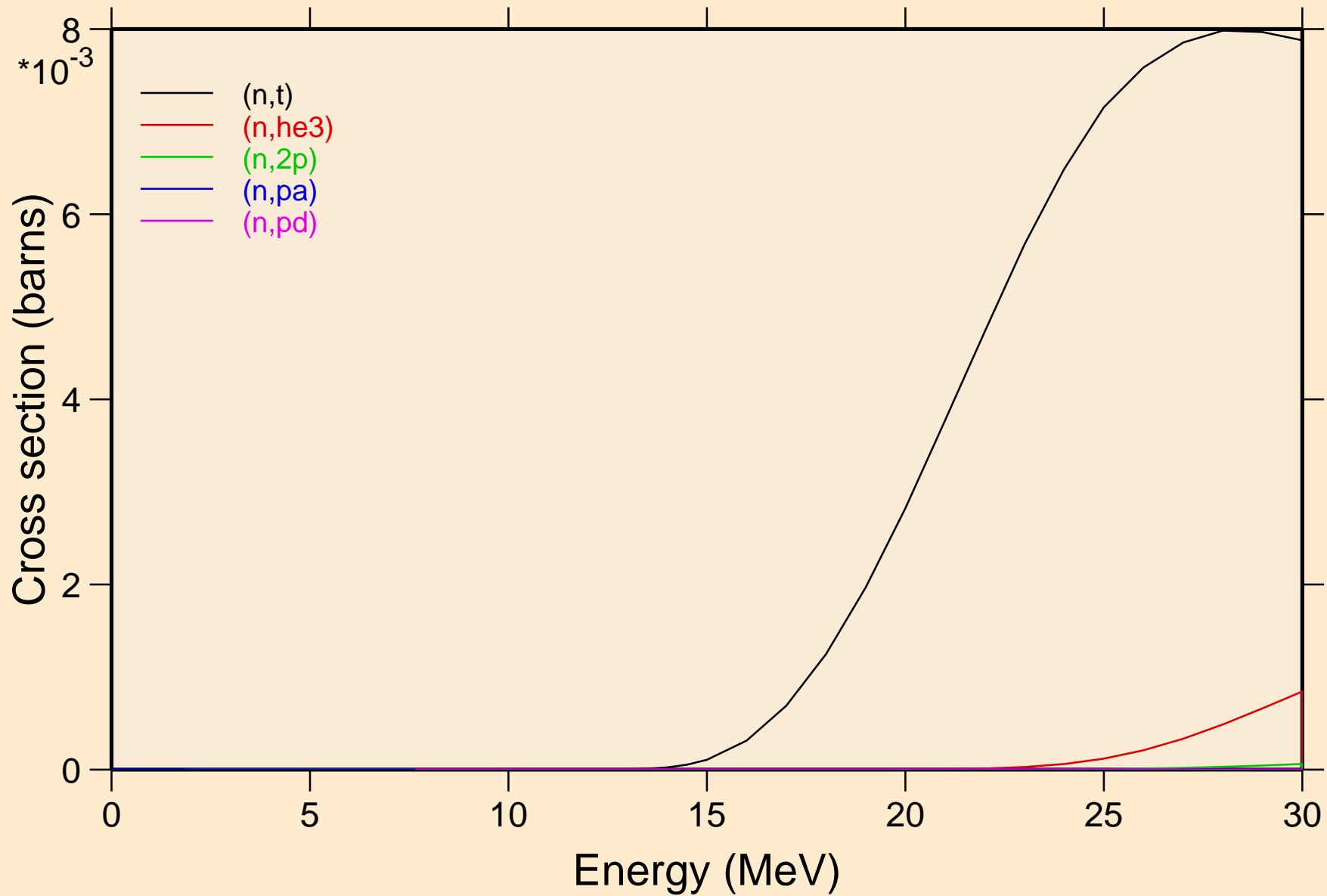


PT189 NRG TENDL-2015, AKONING  
Threshold reactions



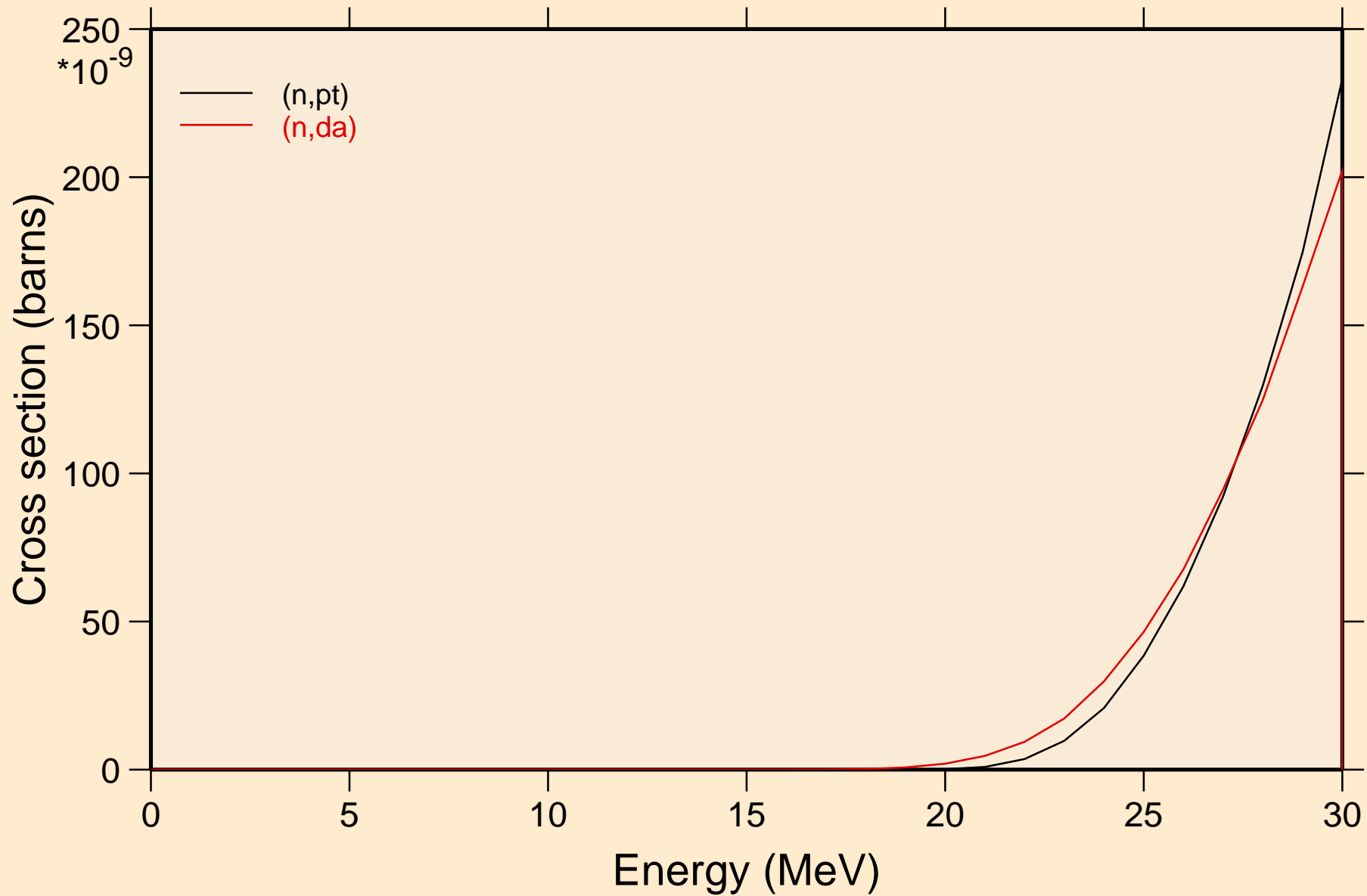
# PT189 NRG TENDL-2015, AKONING

## Threshold reactions



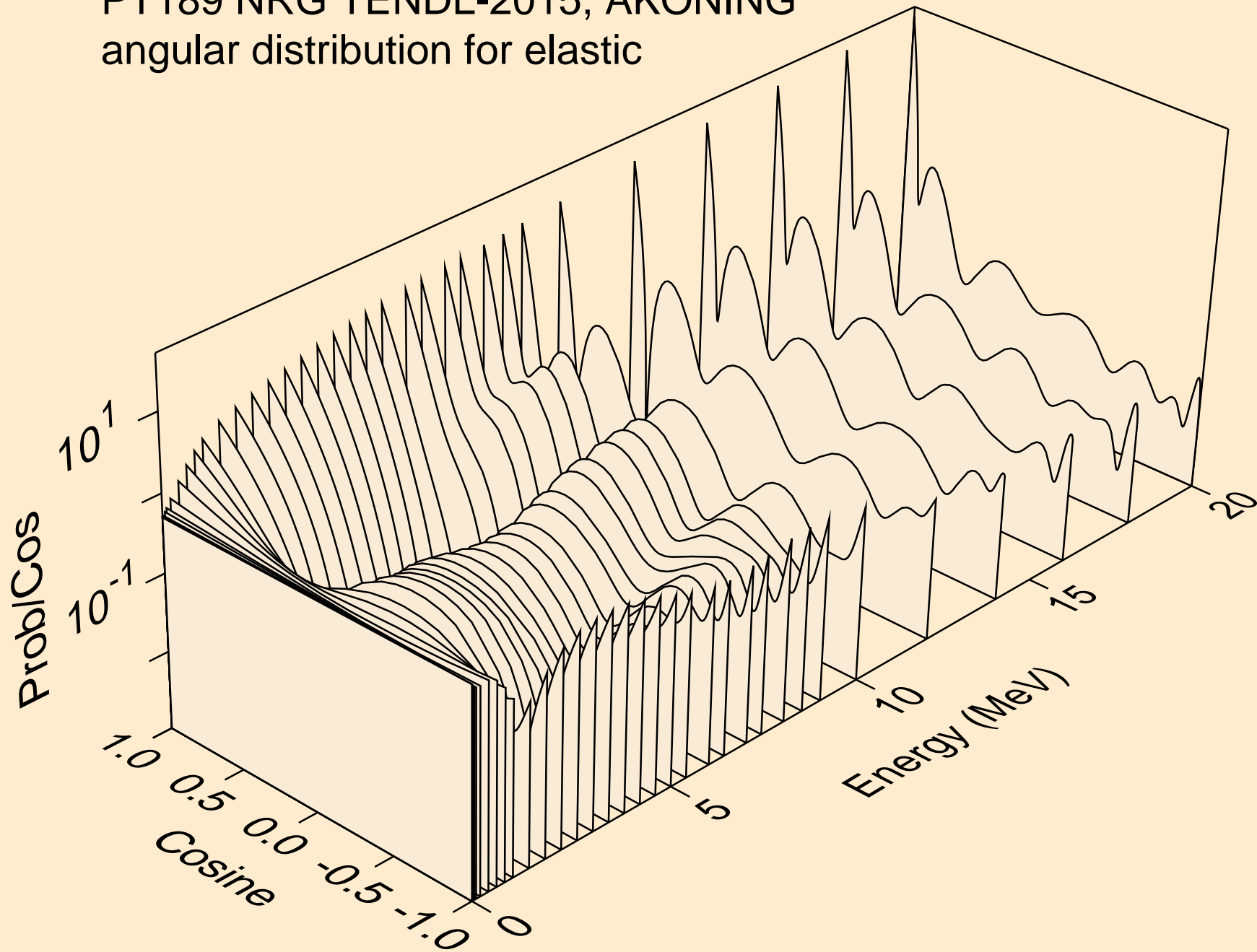
# PT189 NRG TENDL-2015, AKONING

## Threshold reactions

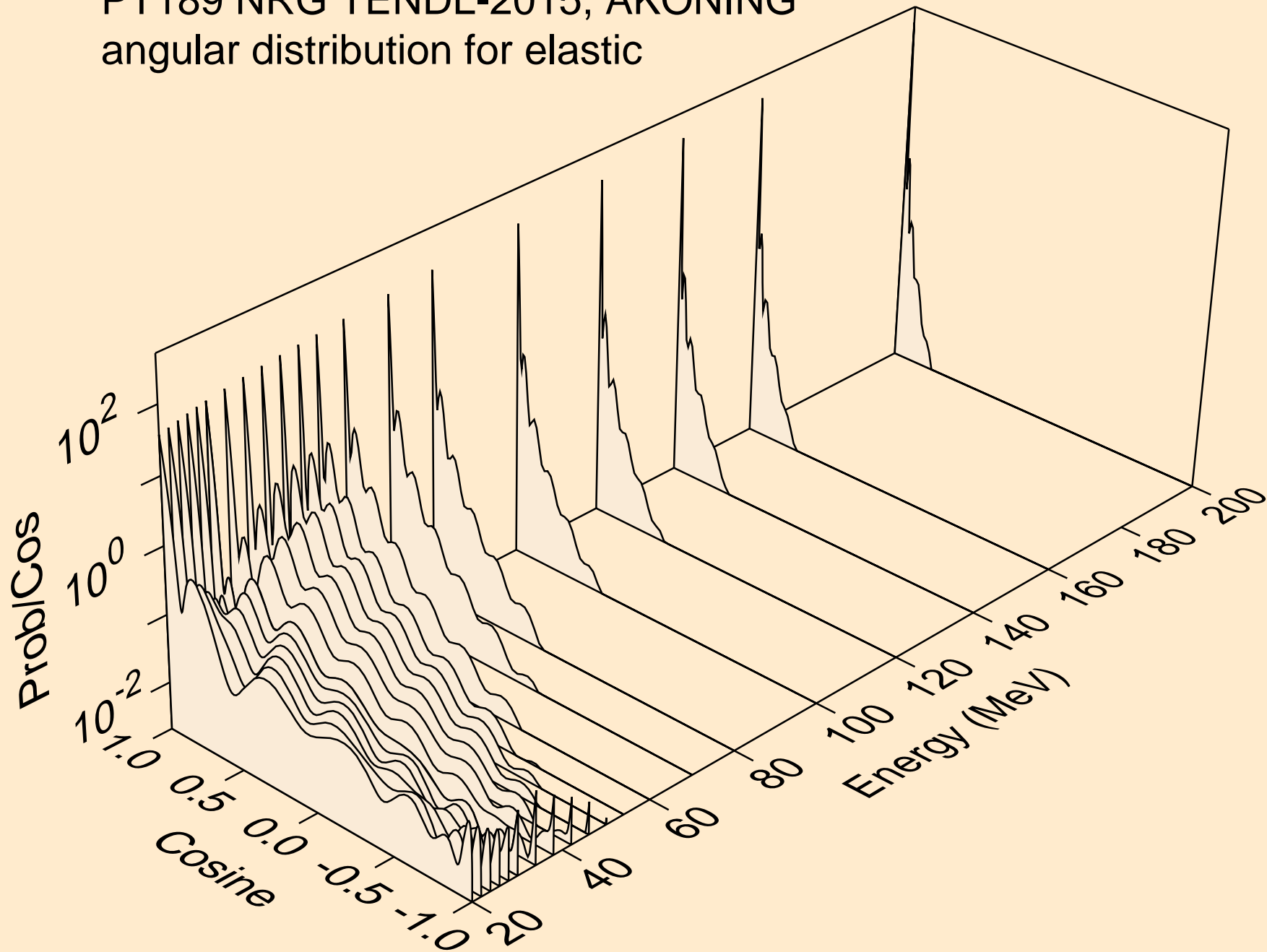




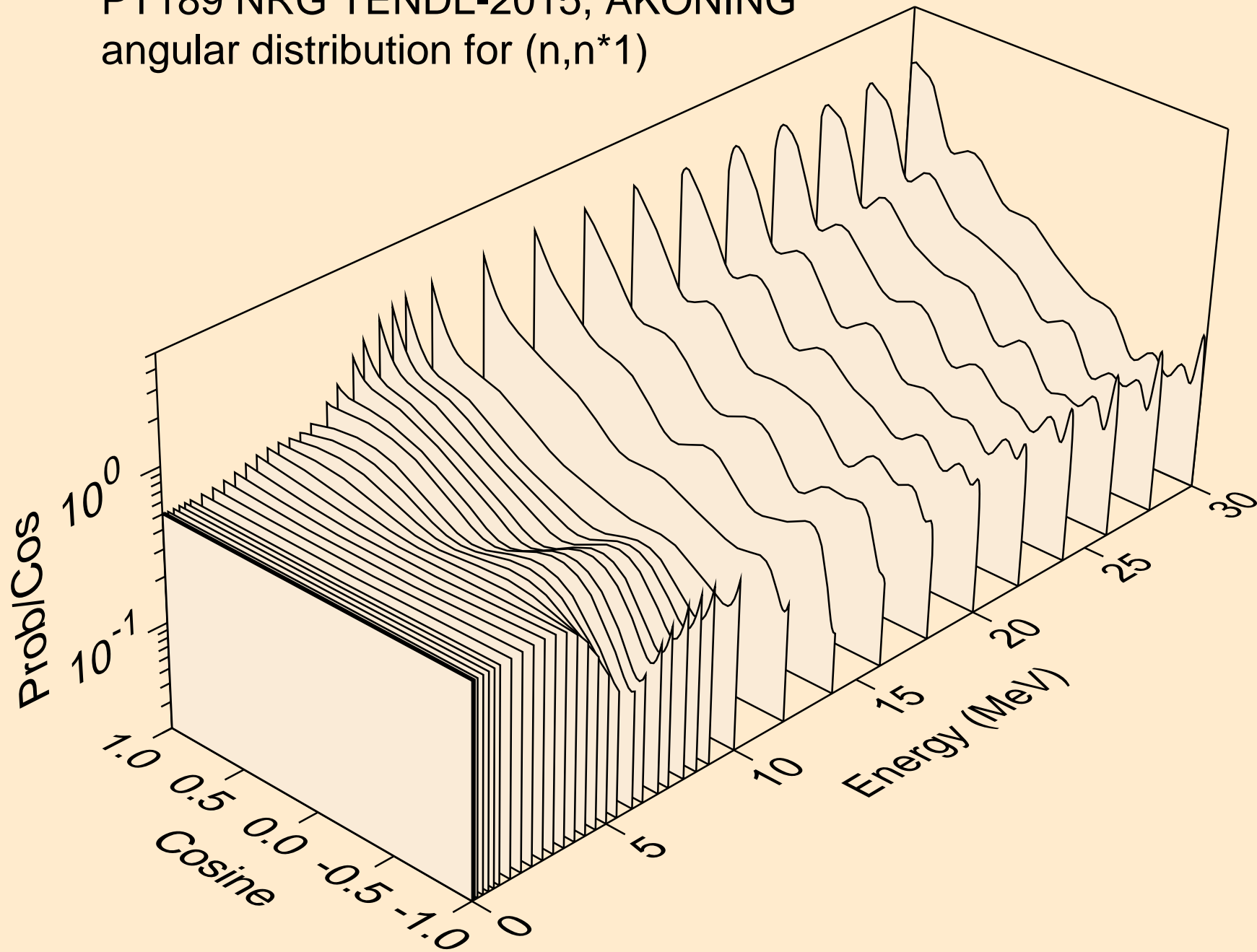
PT189 NRG TENDL-2015, AKONING  
angular distribution for elastic



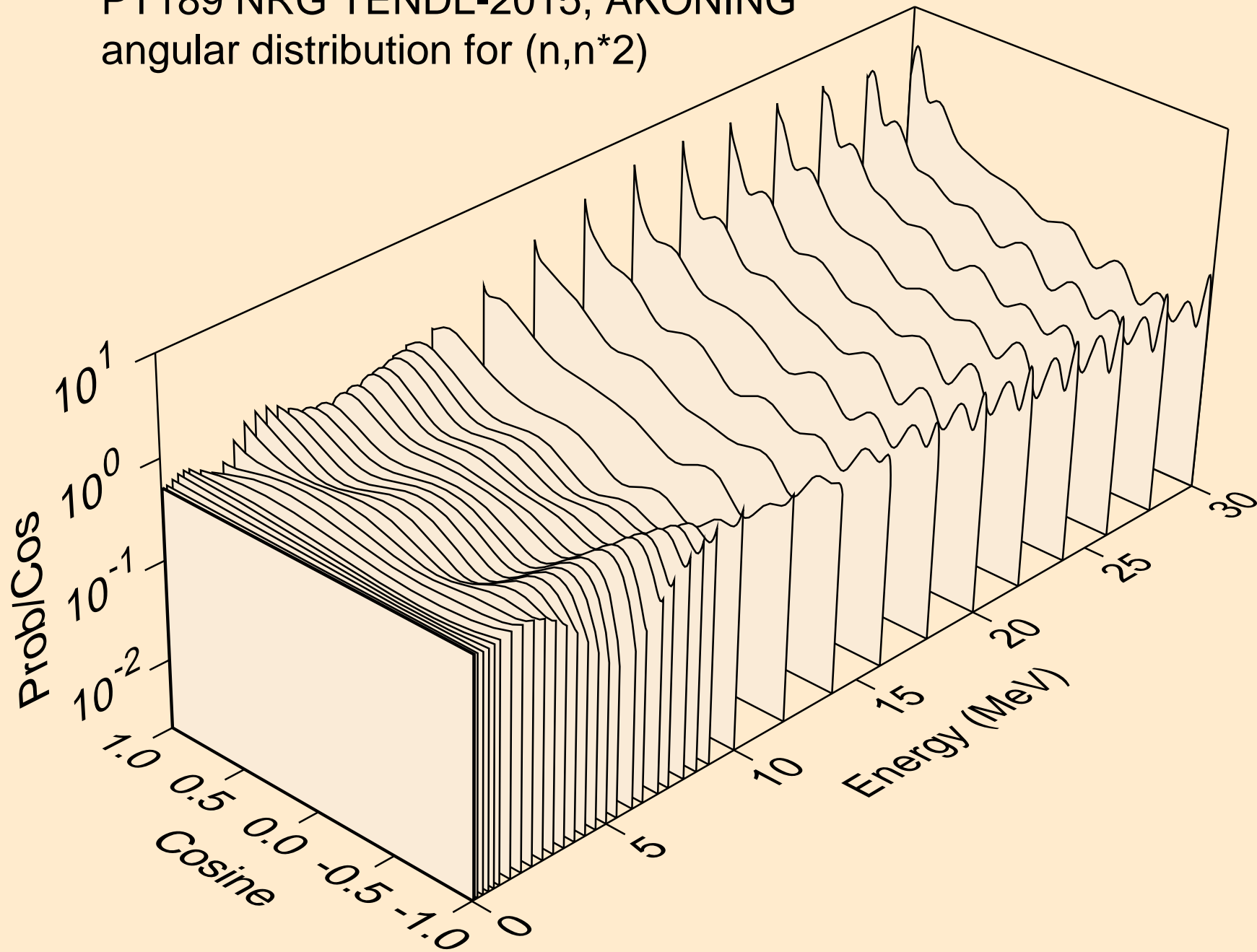
PT189 NRG TENDL-2015, AKONING  
angular distribution for elastic



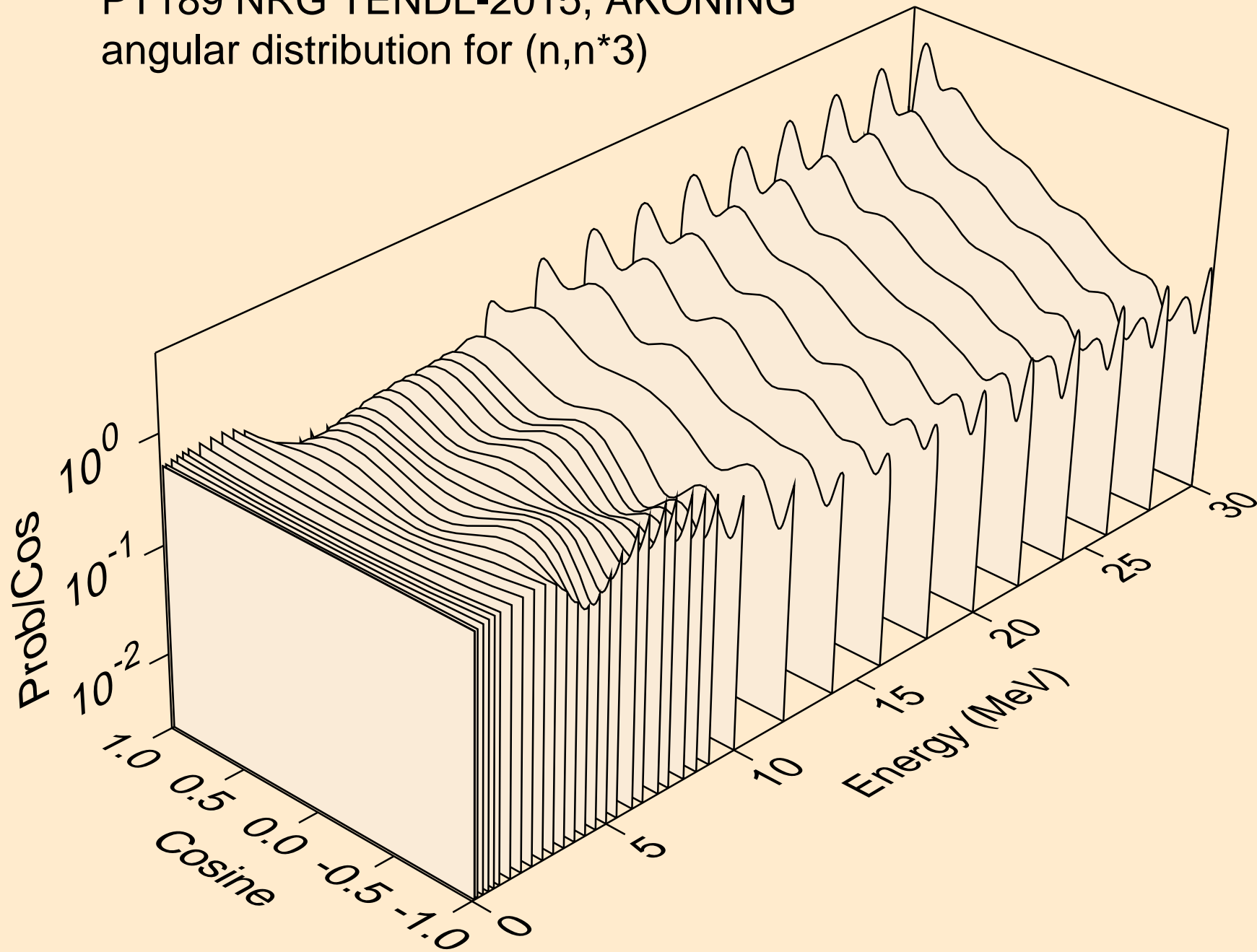
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



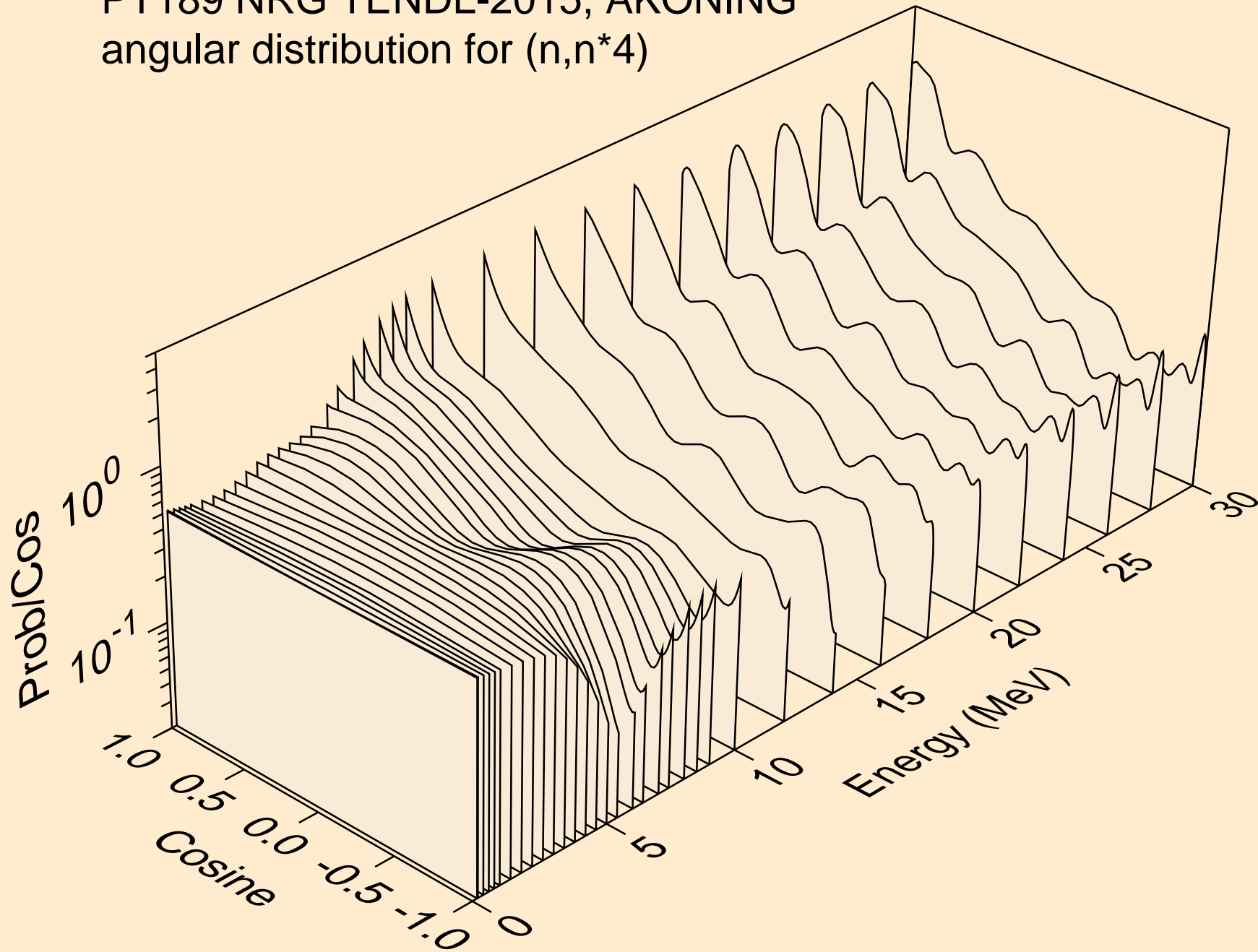
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



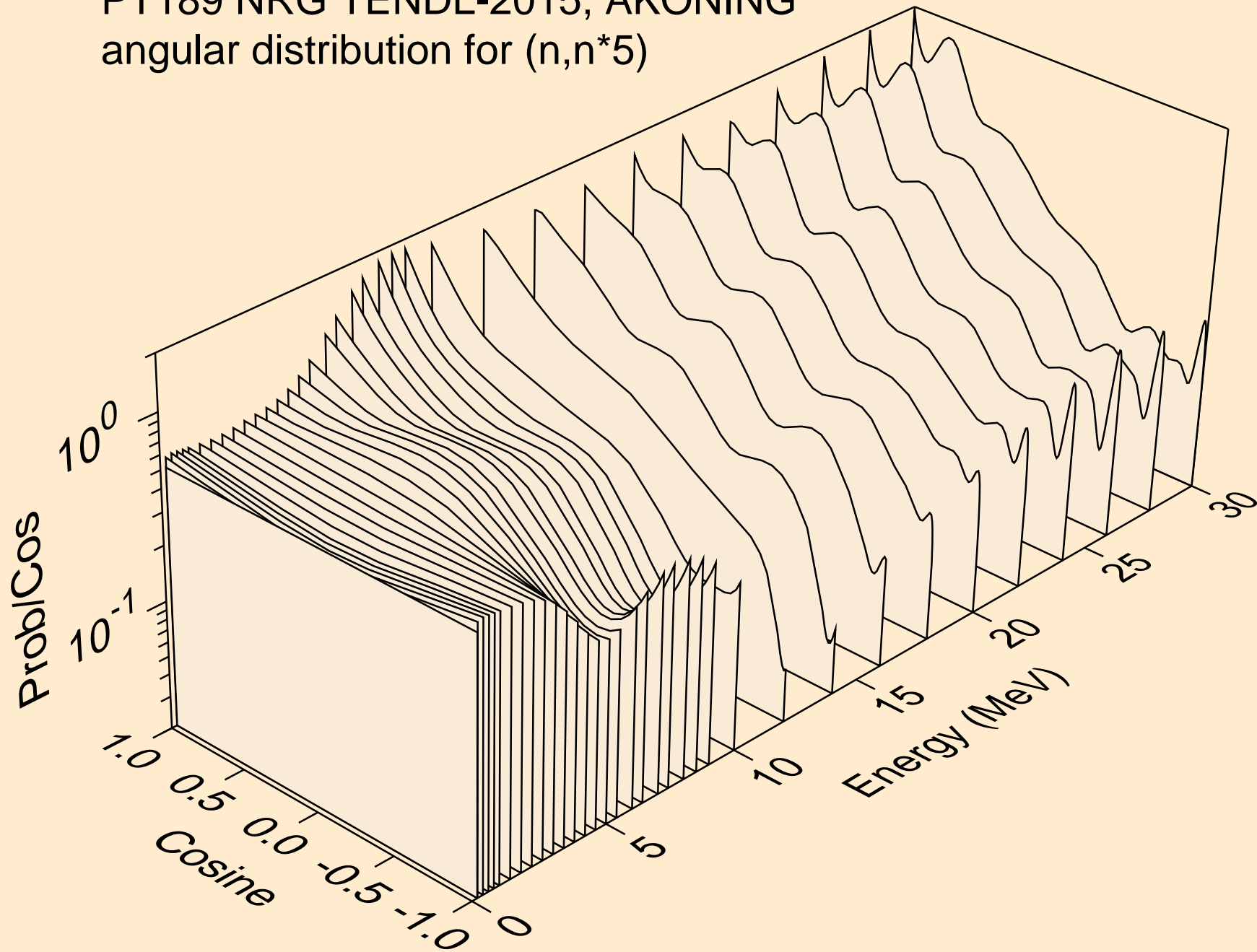
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



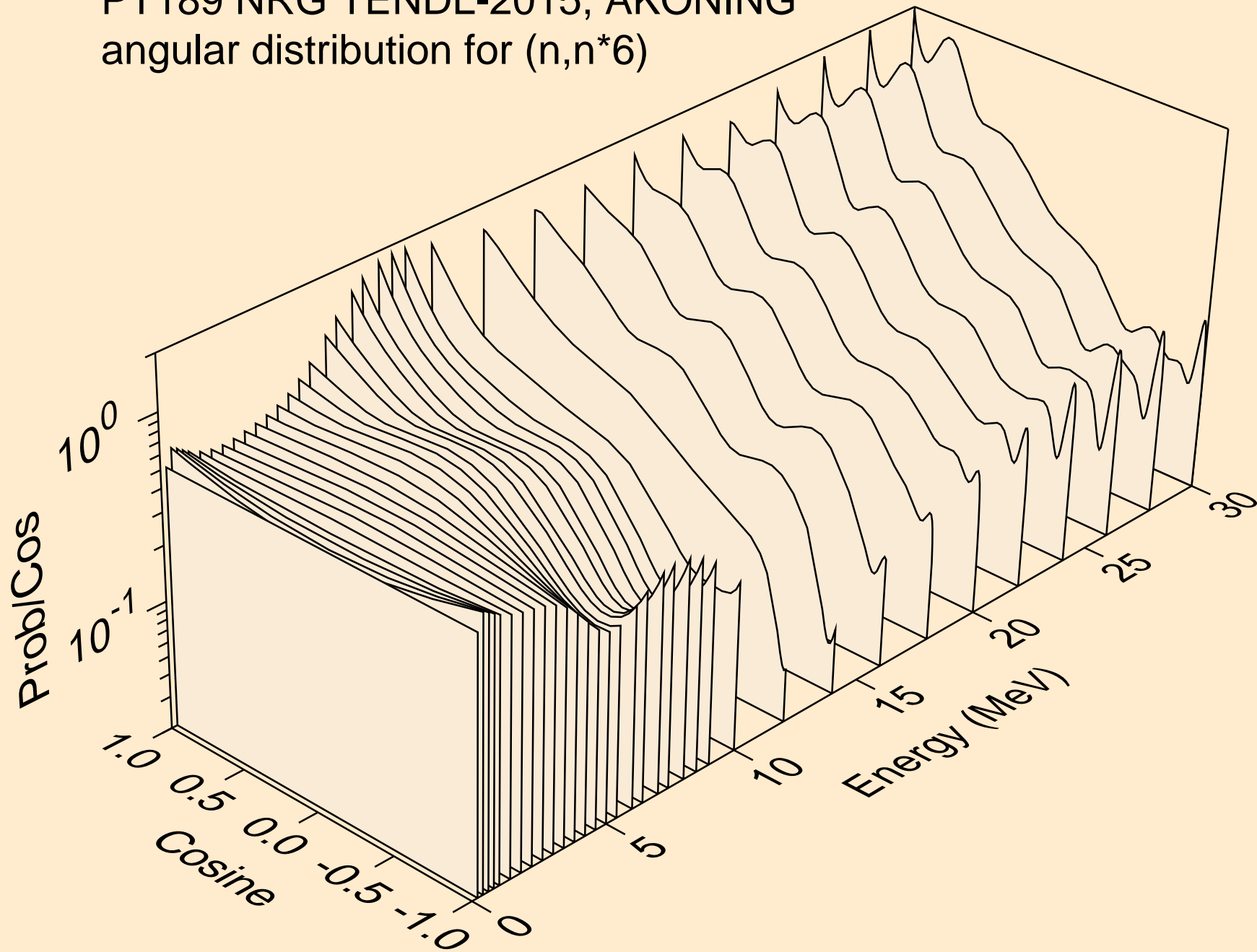
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

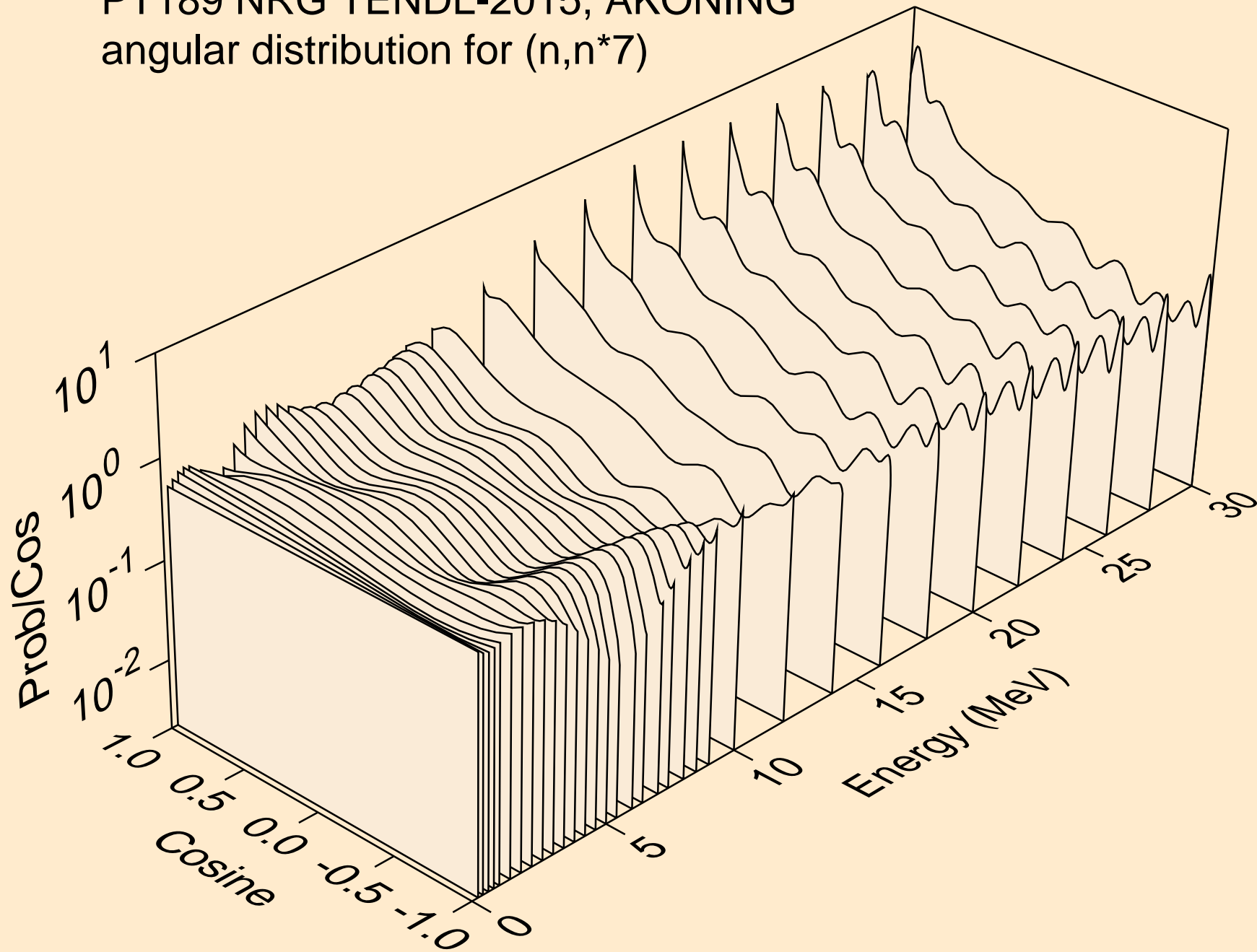


PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

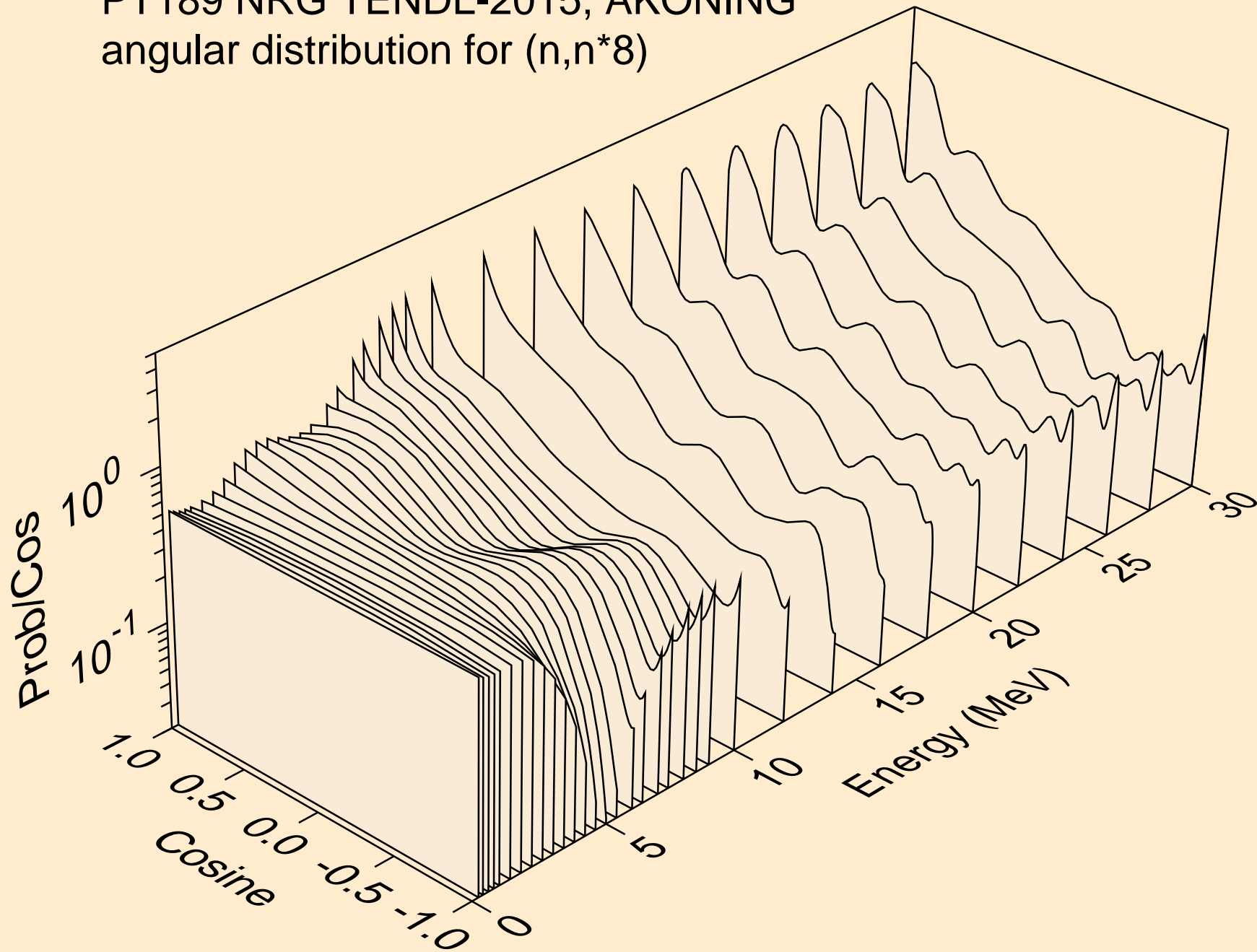




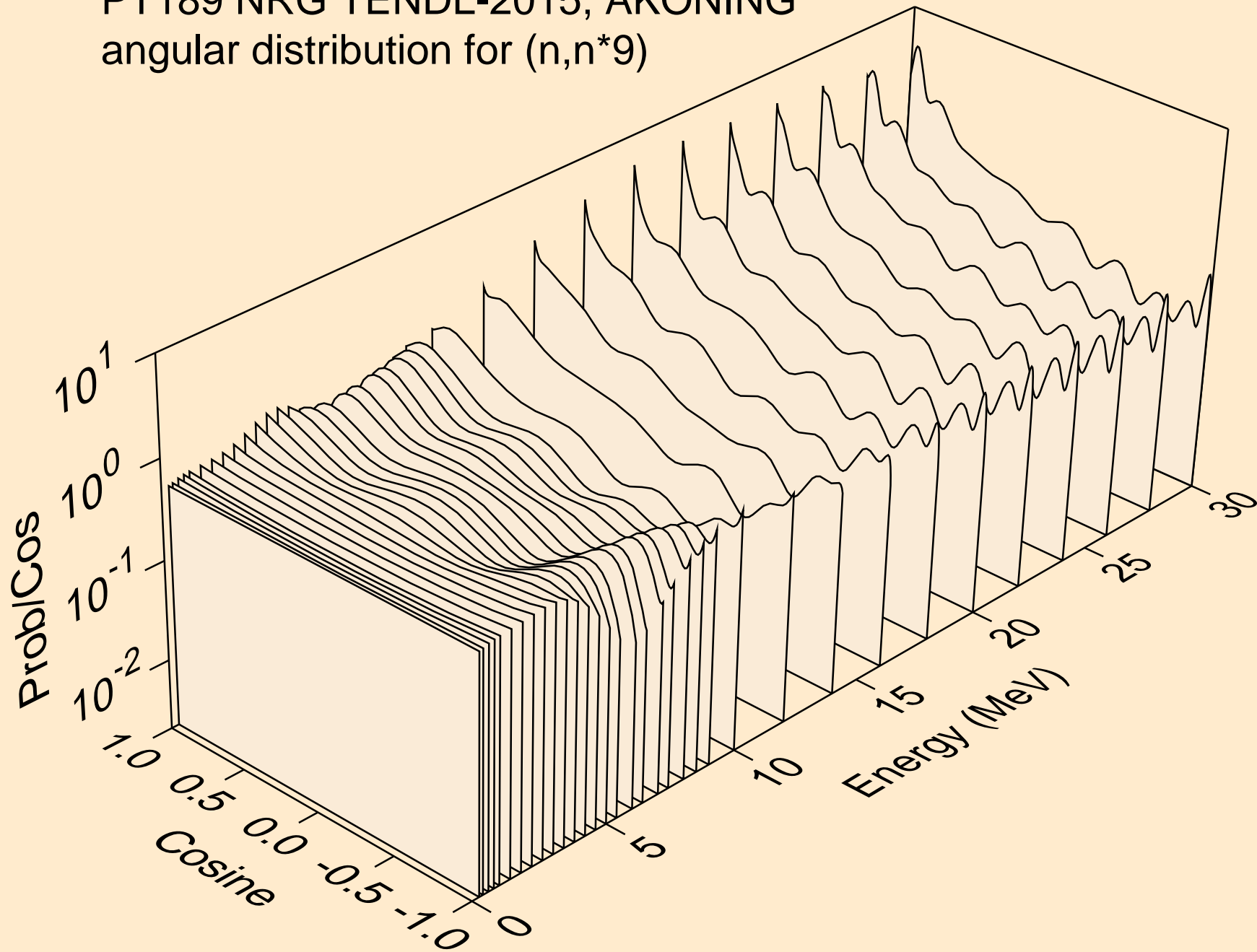
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



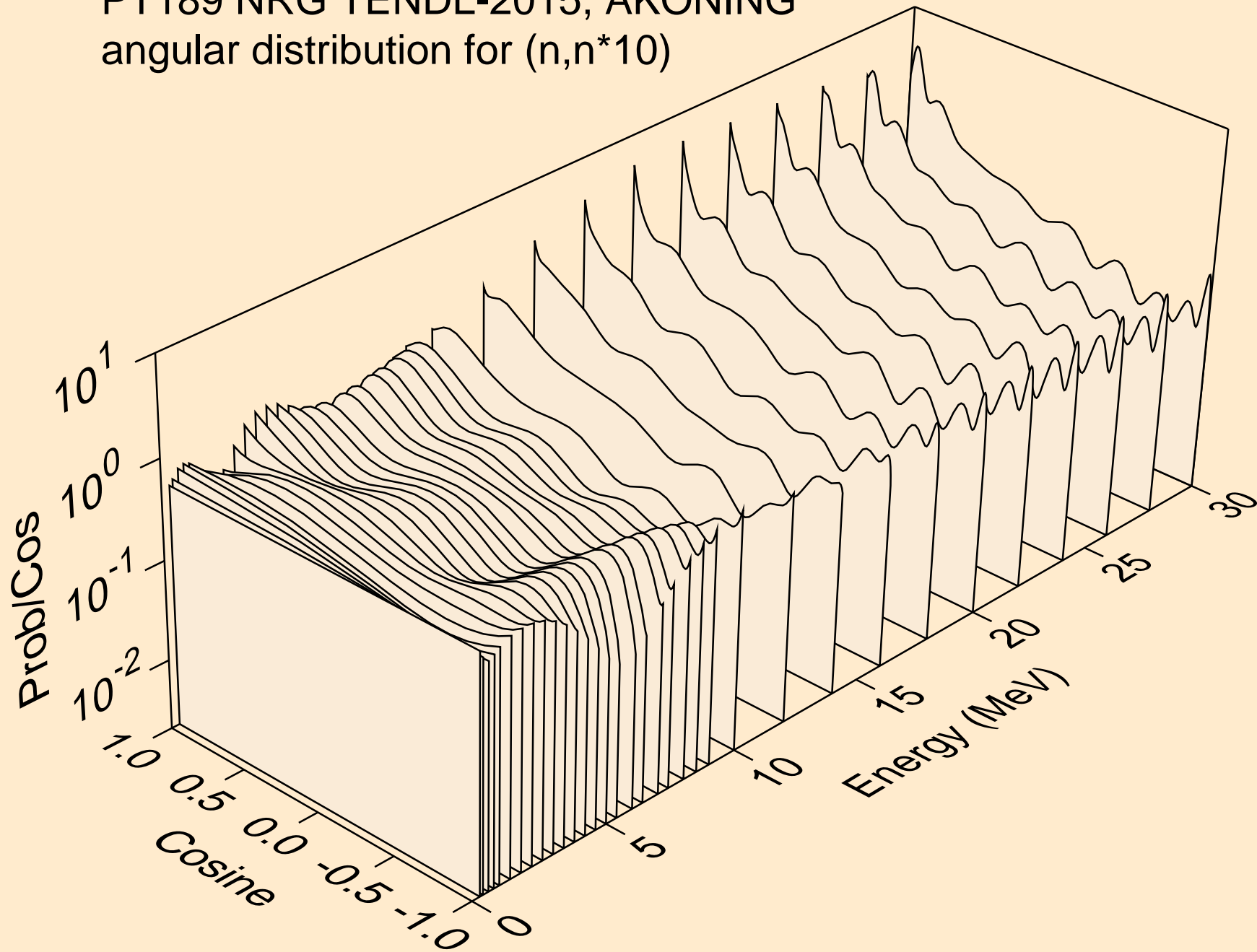
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



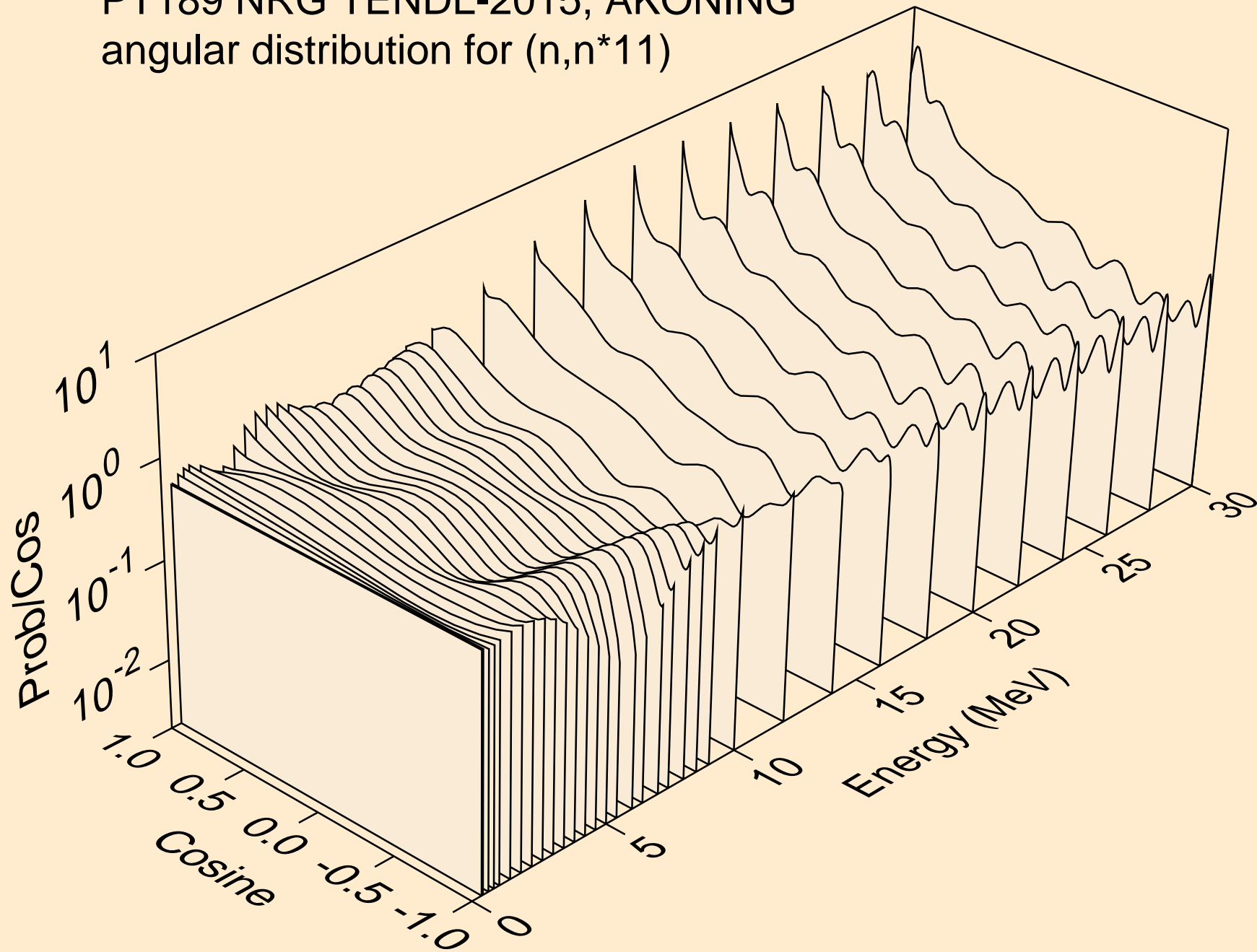
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



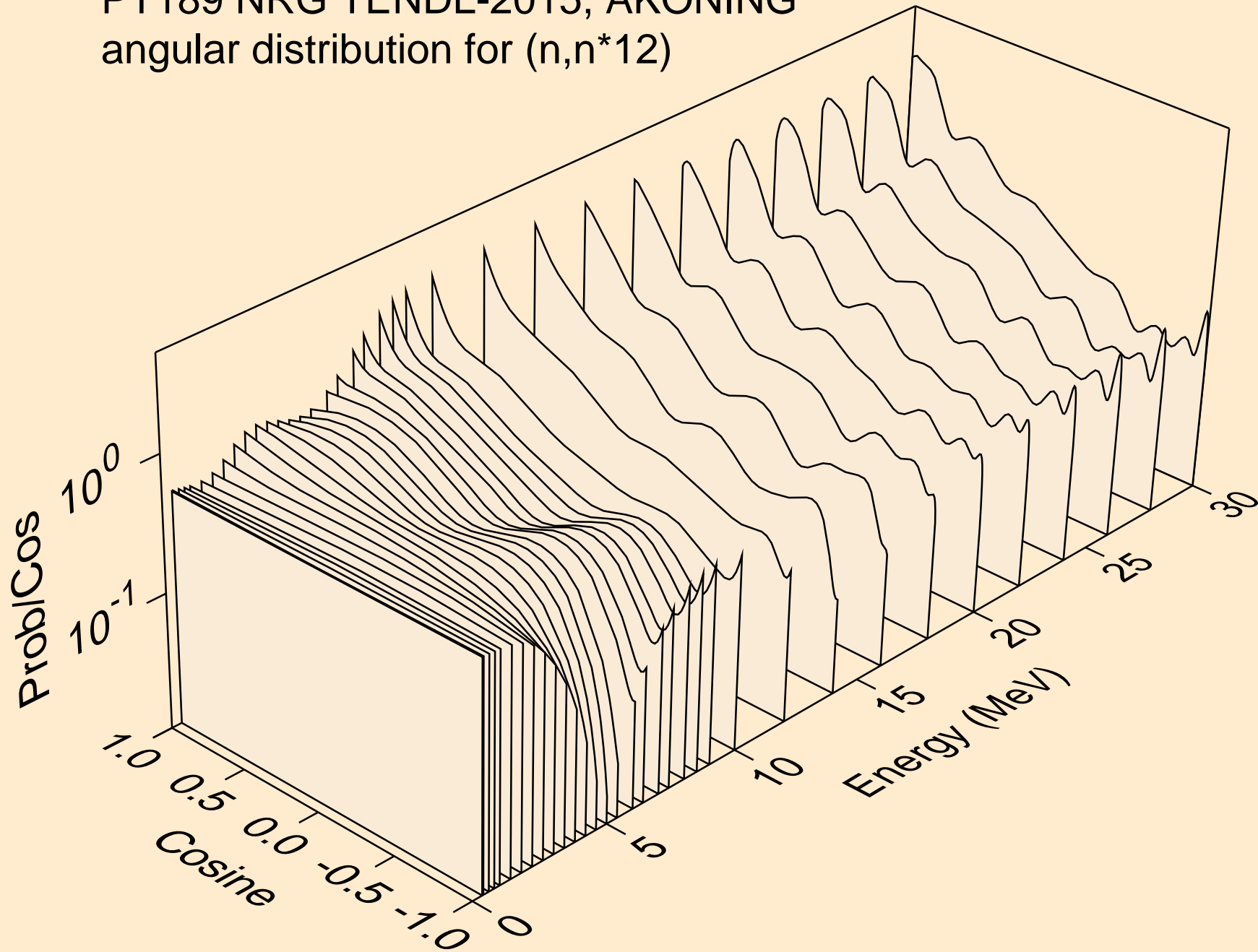
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



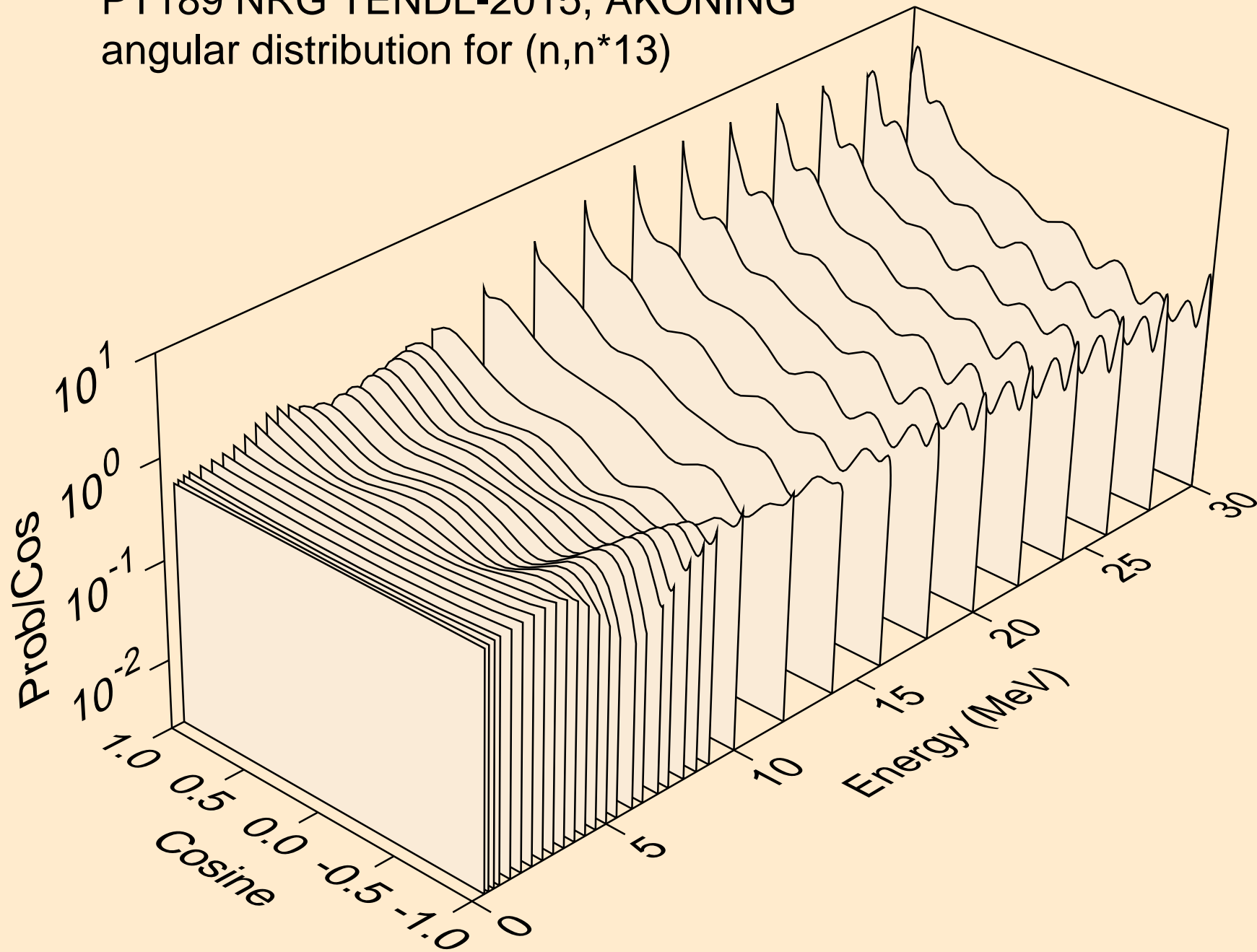
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



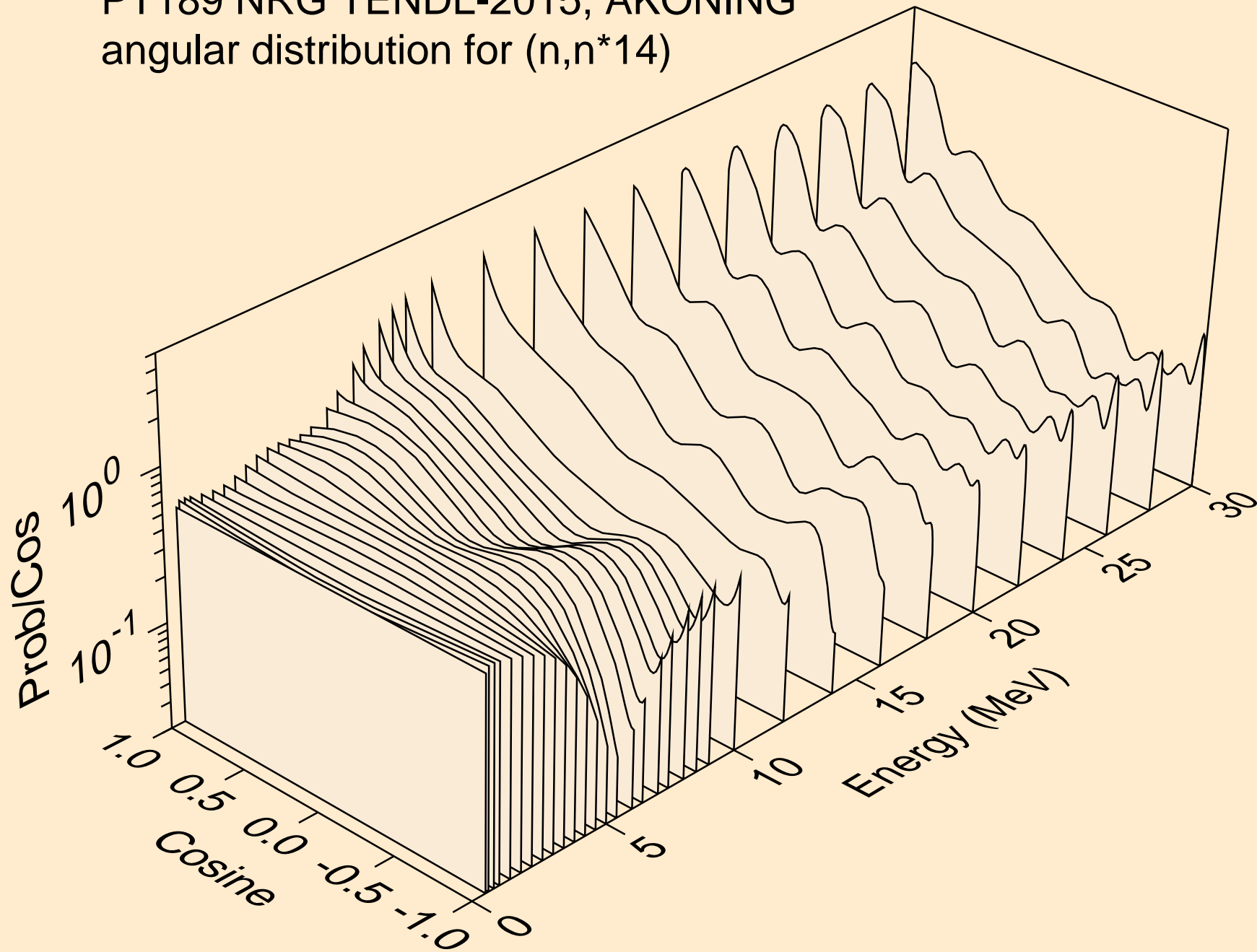
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

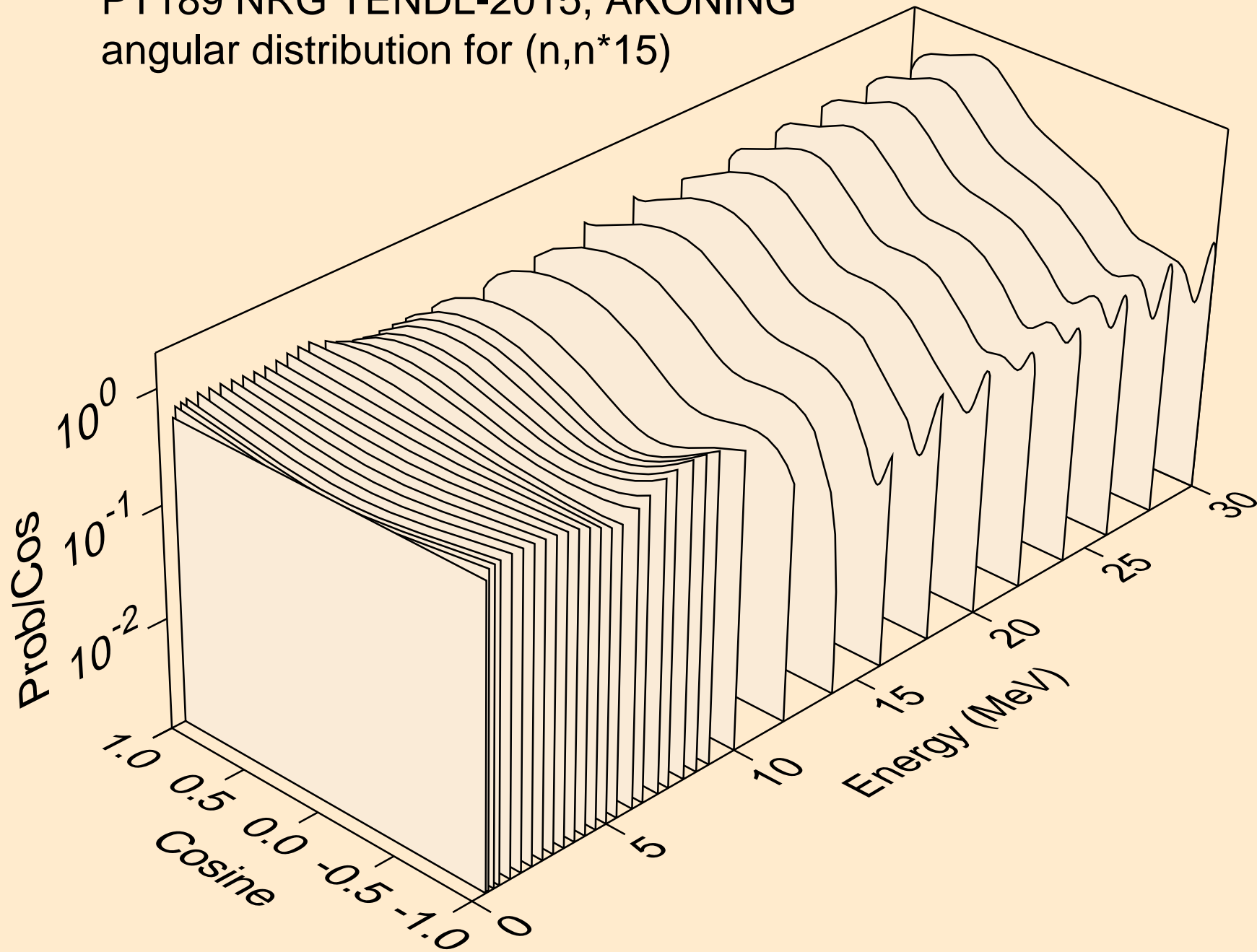


PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

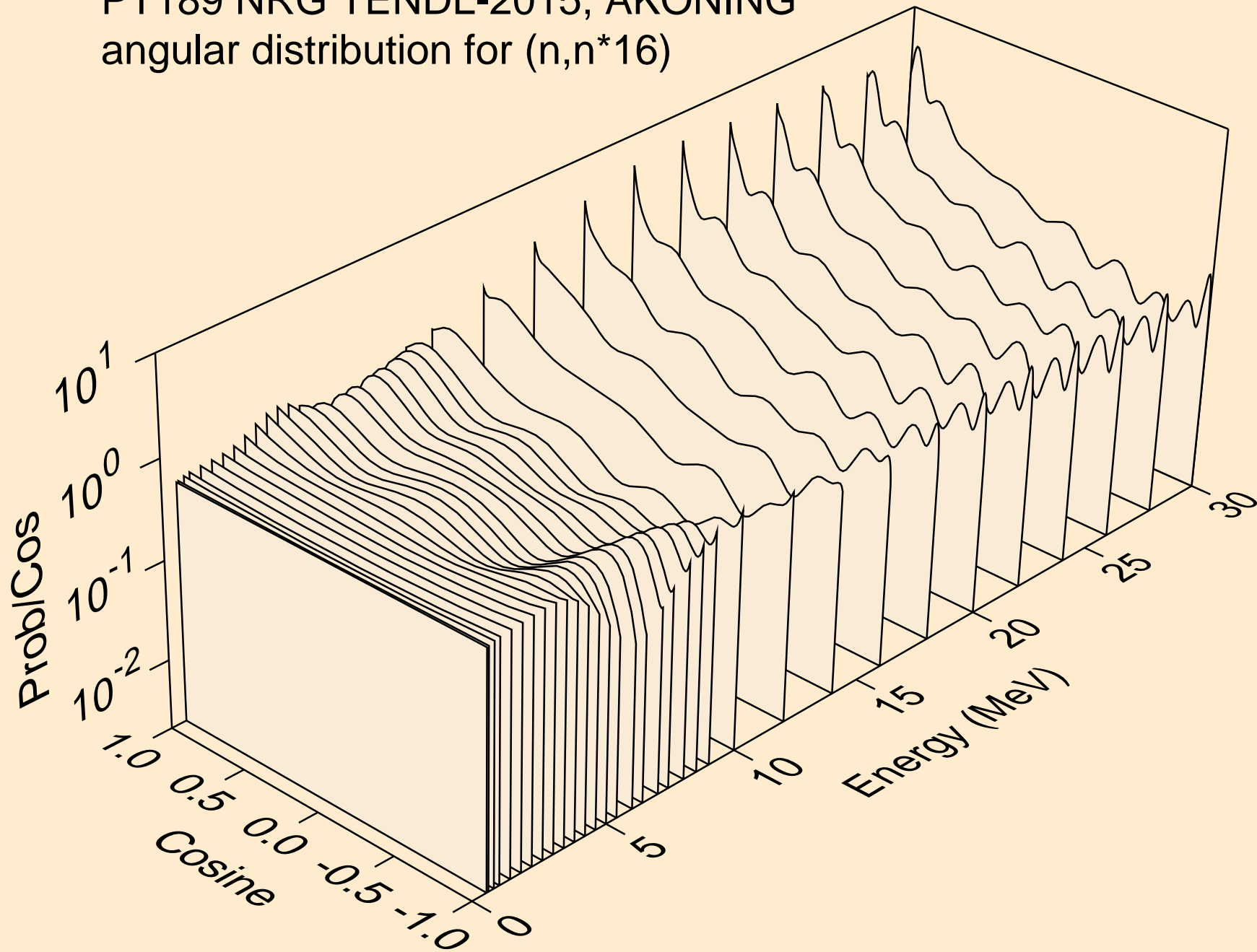




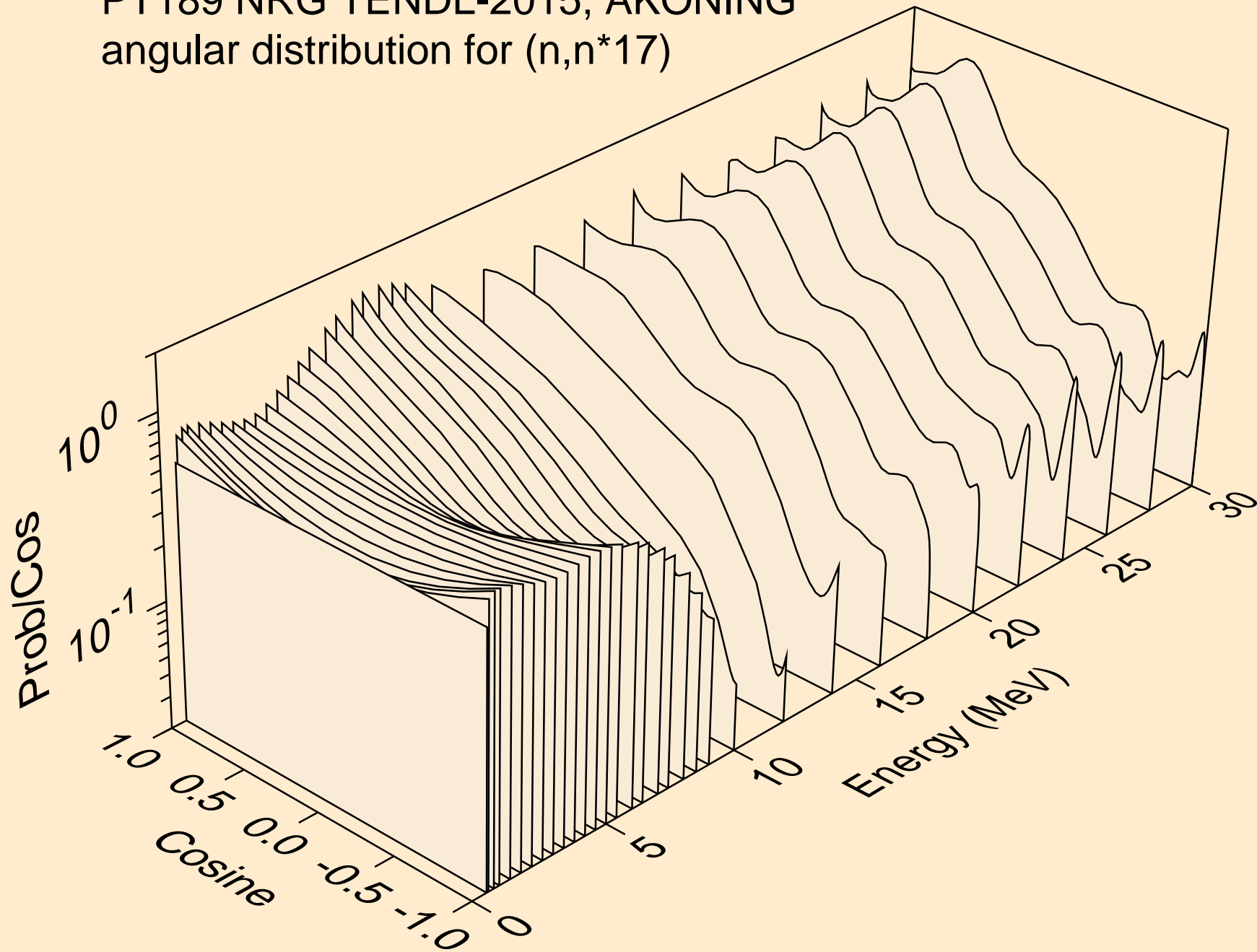
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



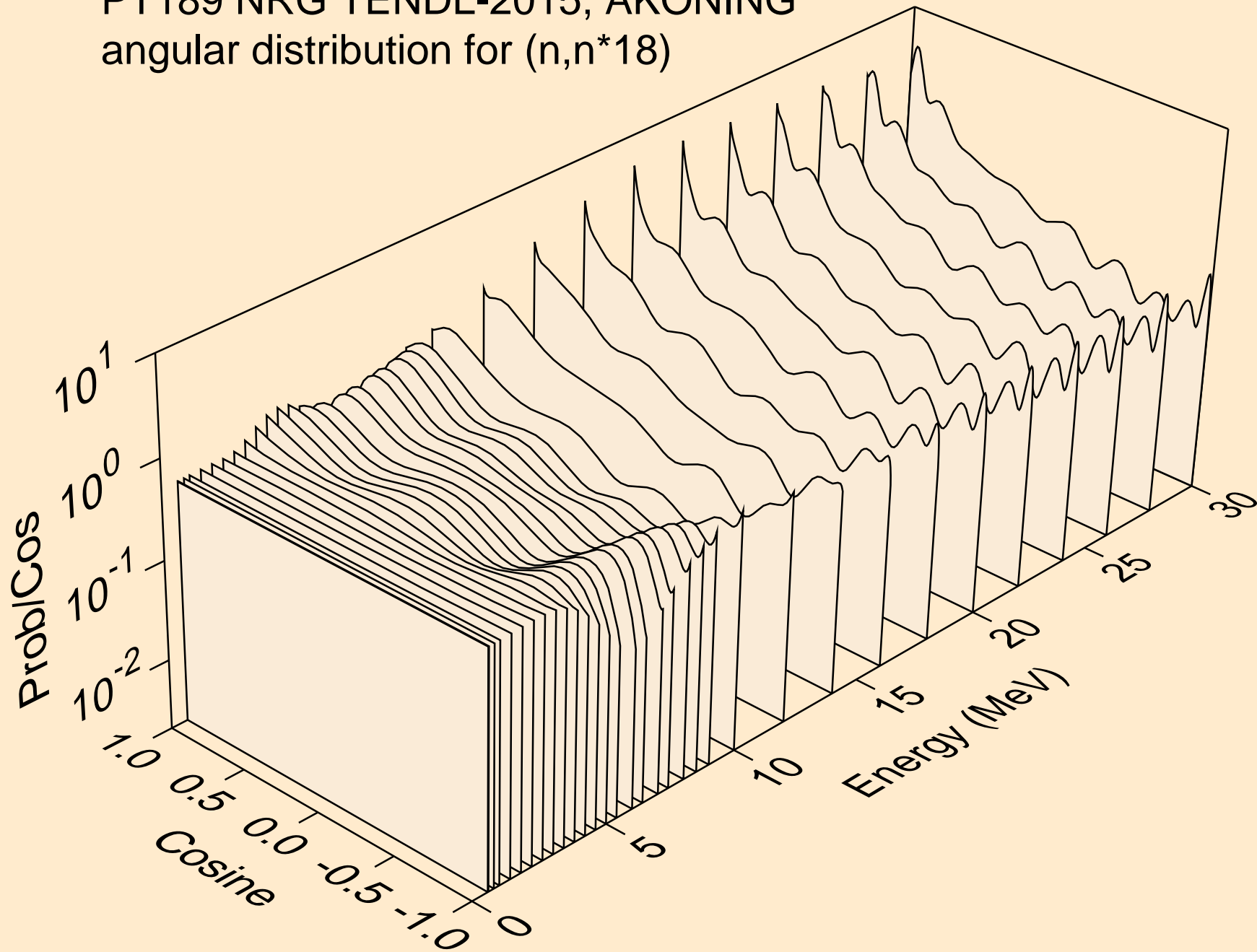
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



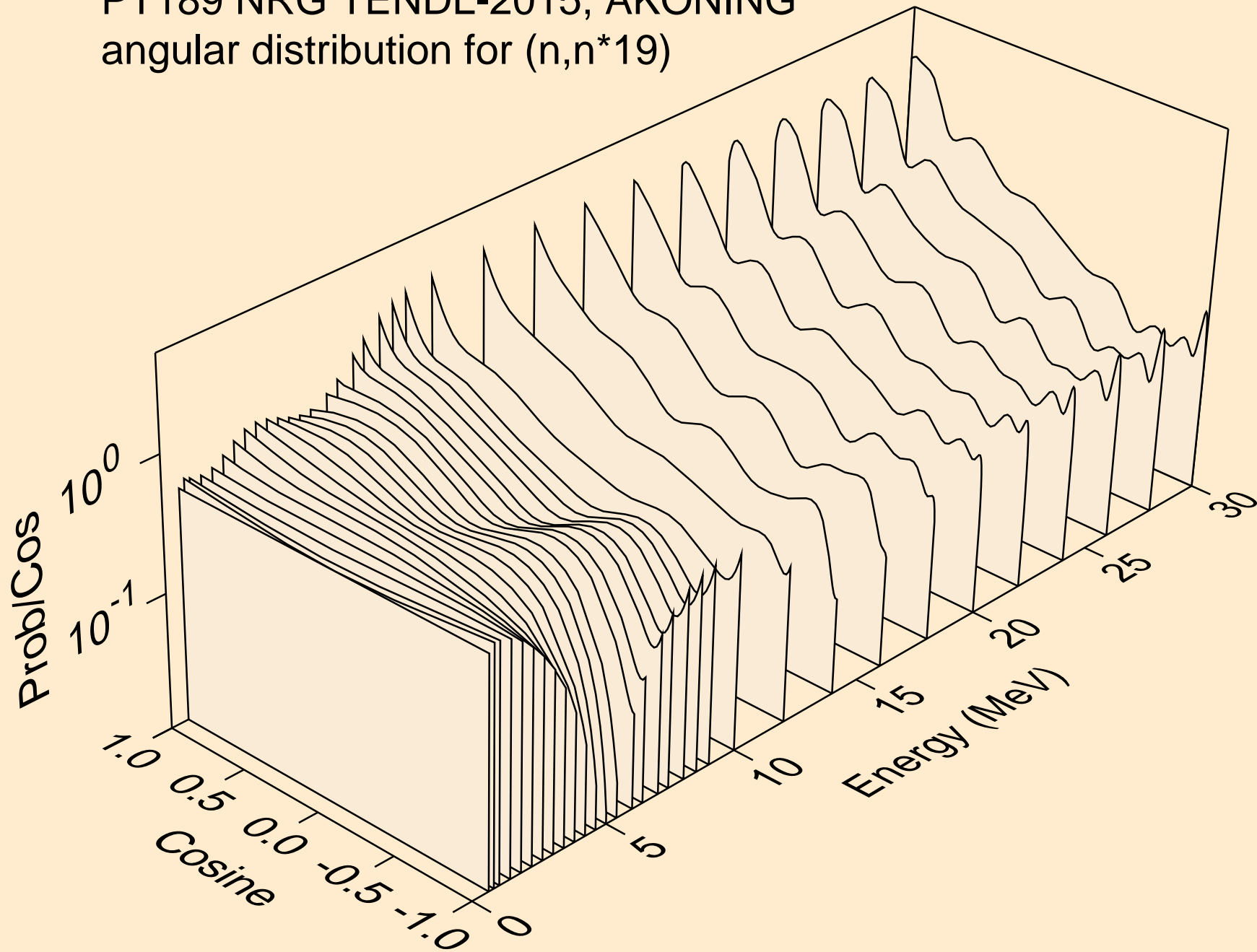
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



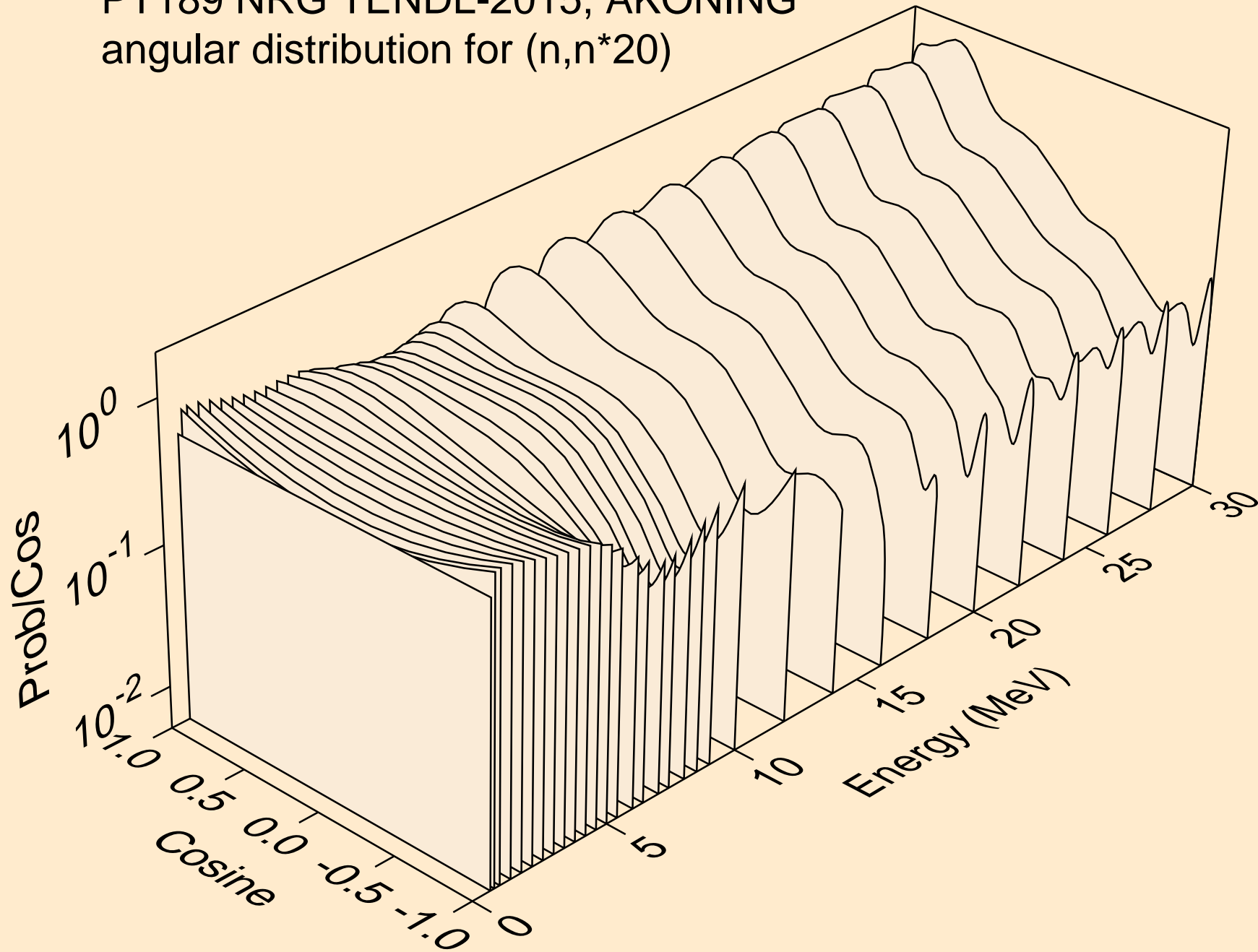
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



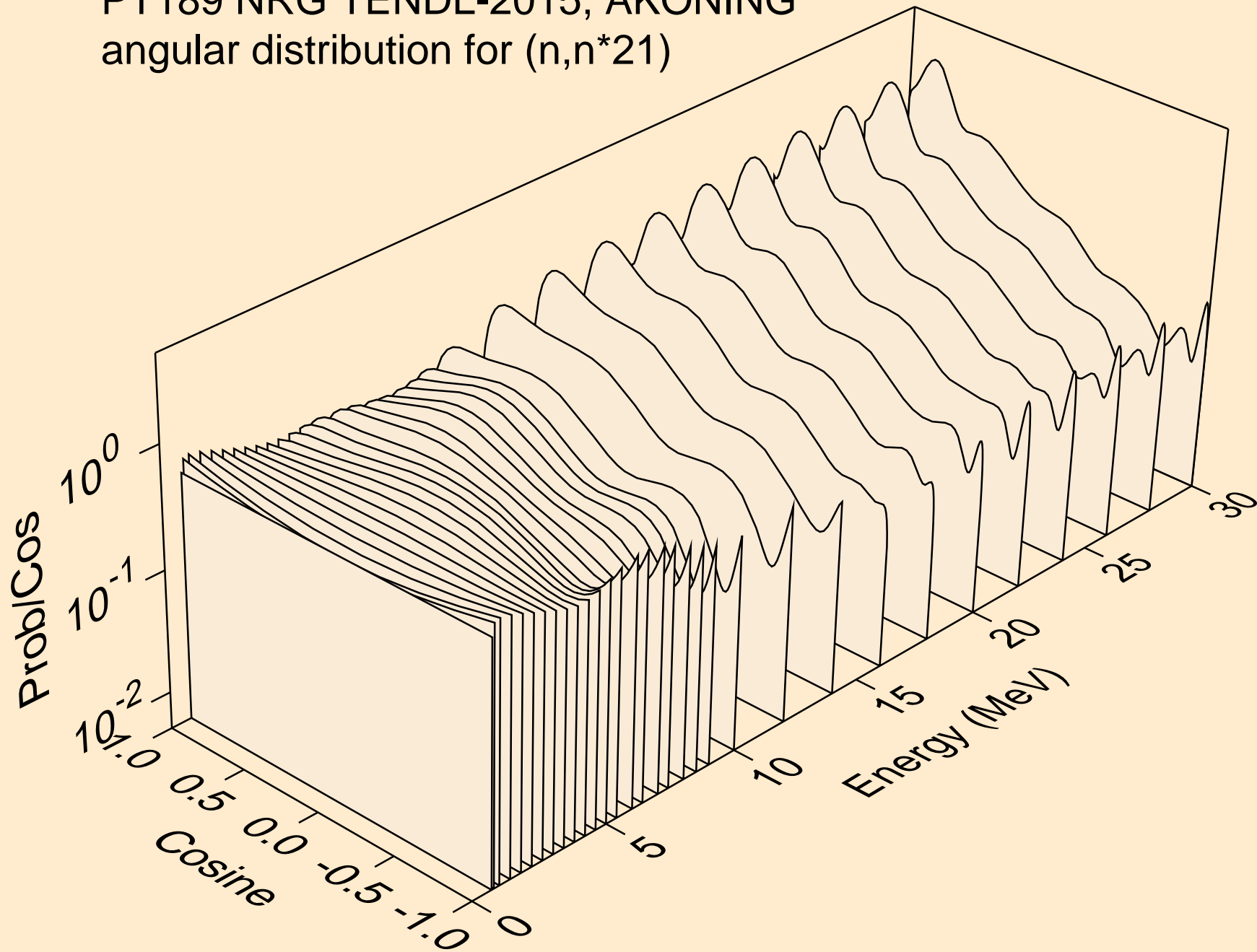
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



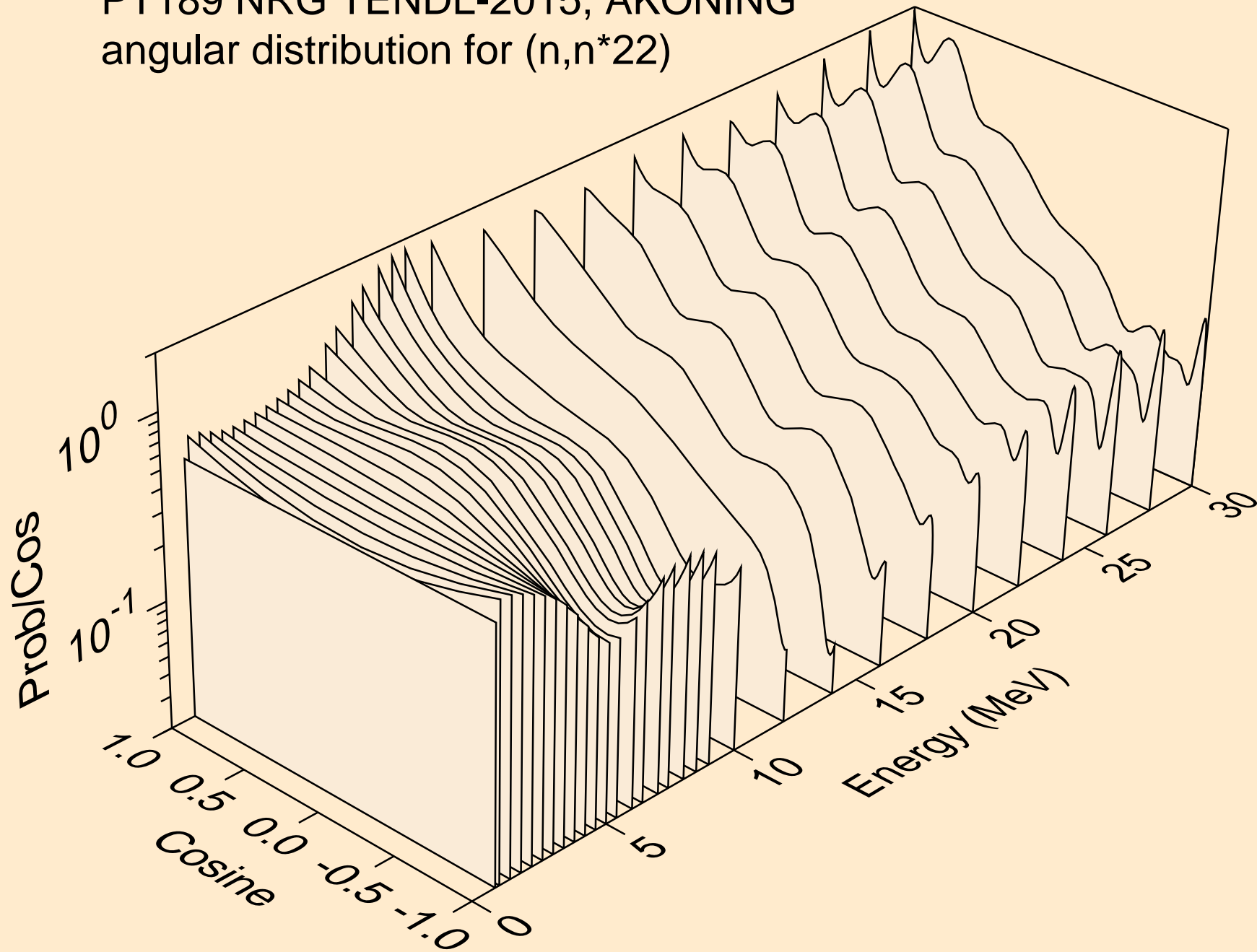
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

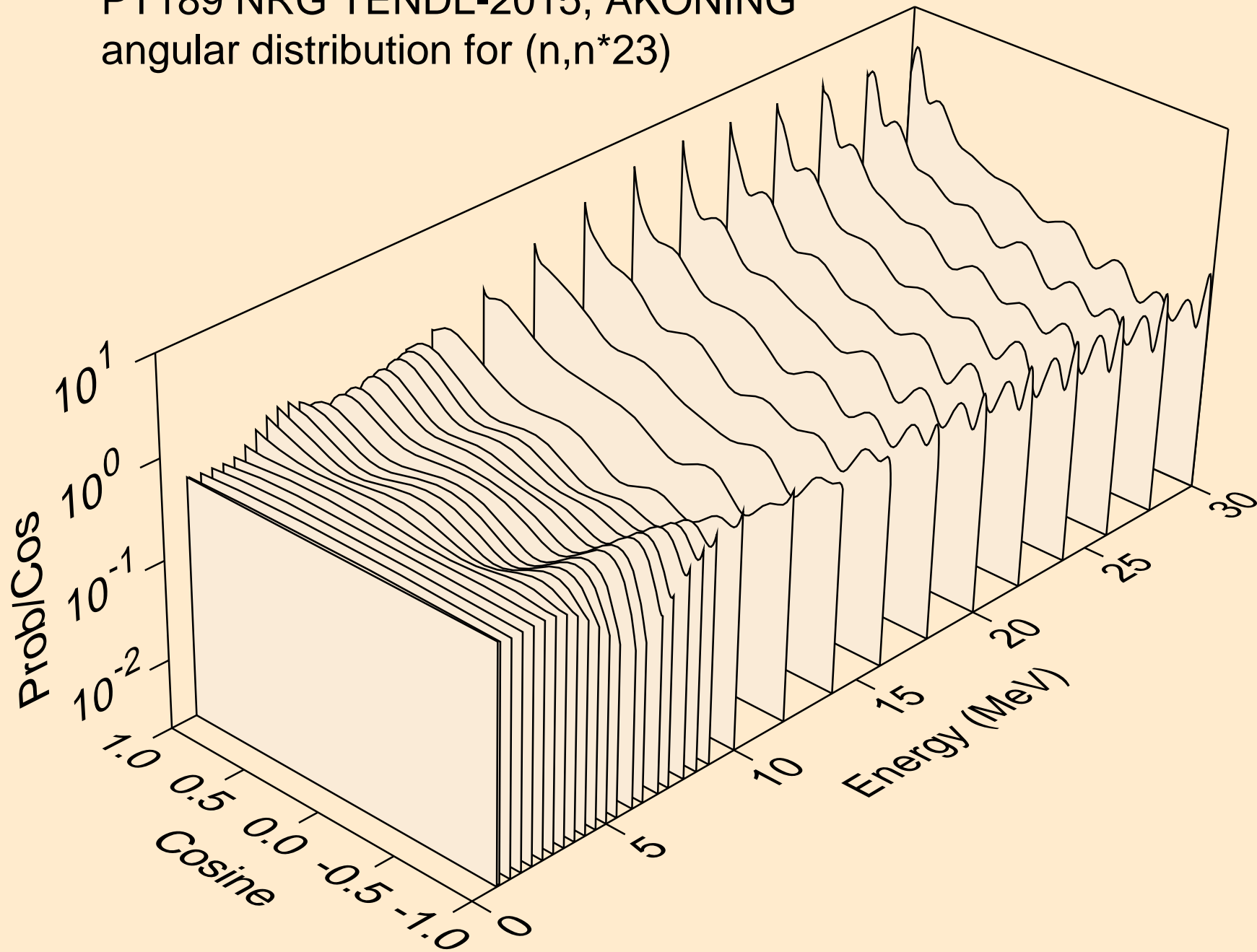


PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

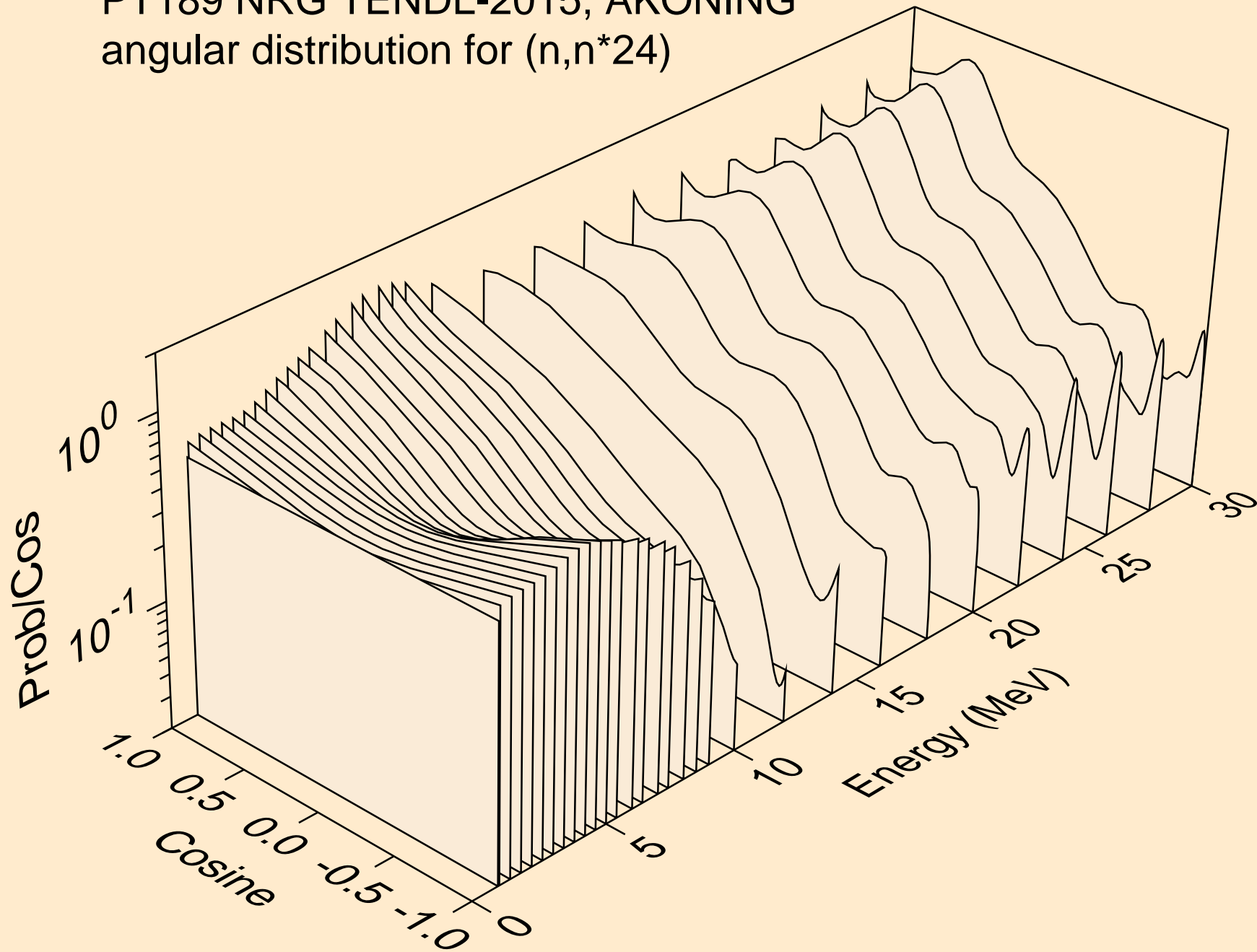




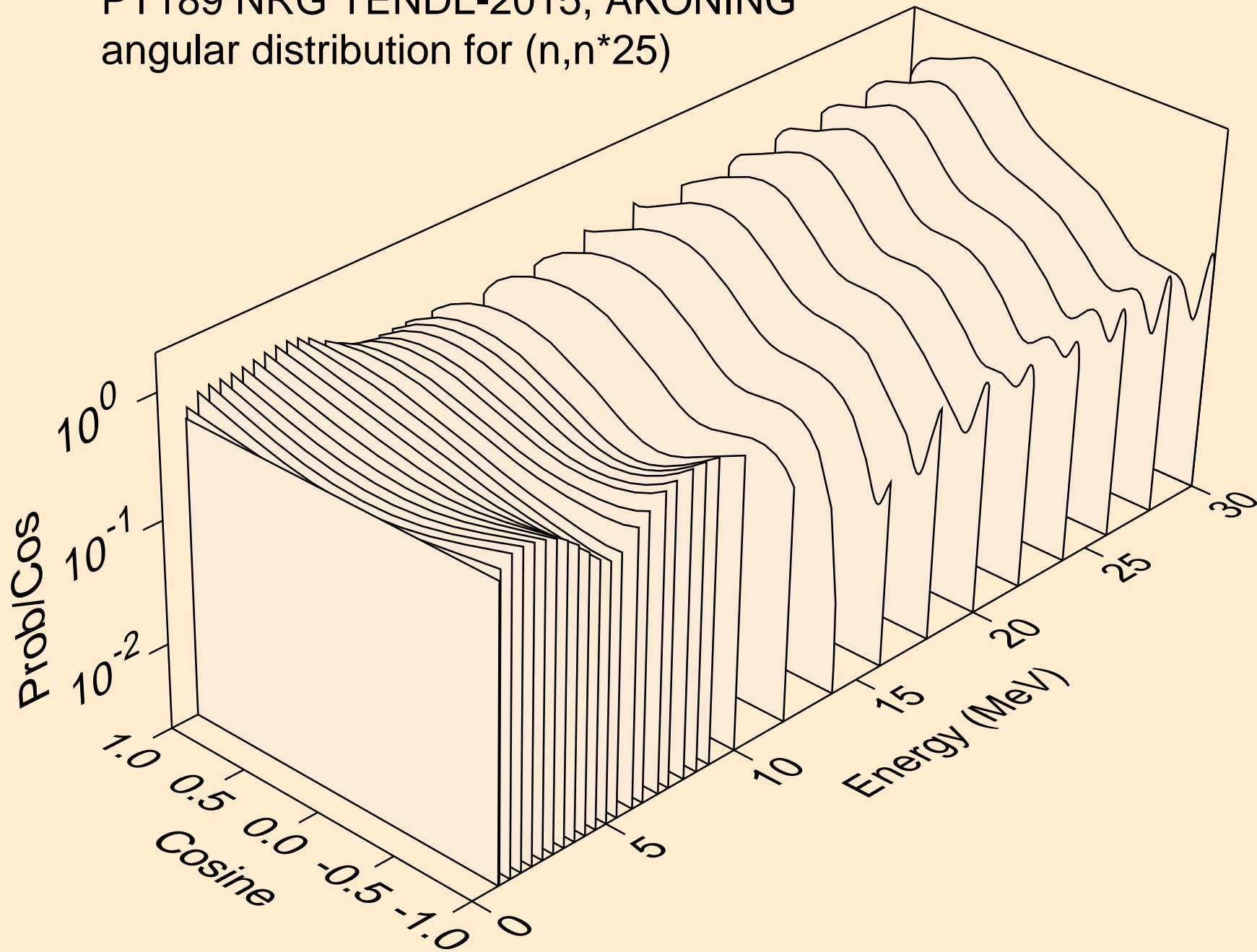
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



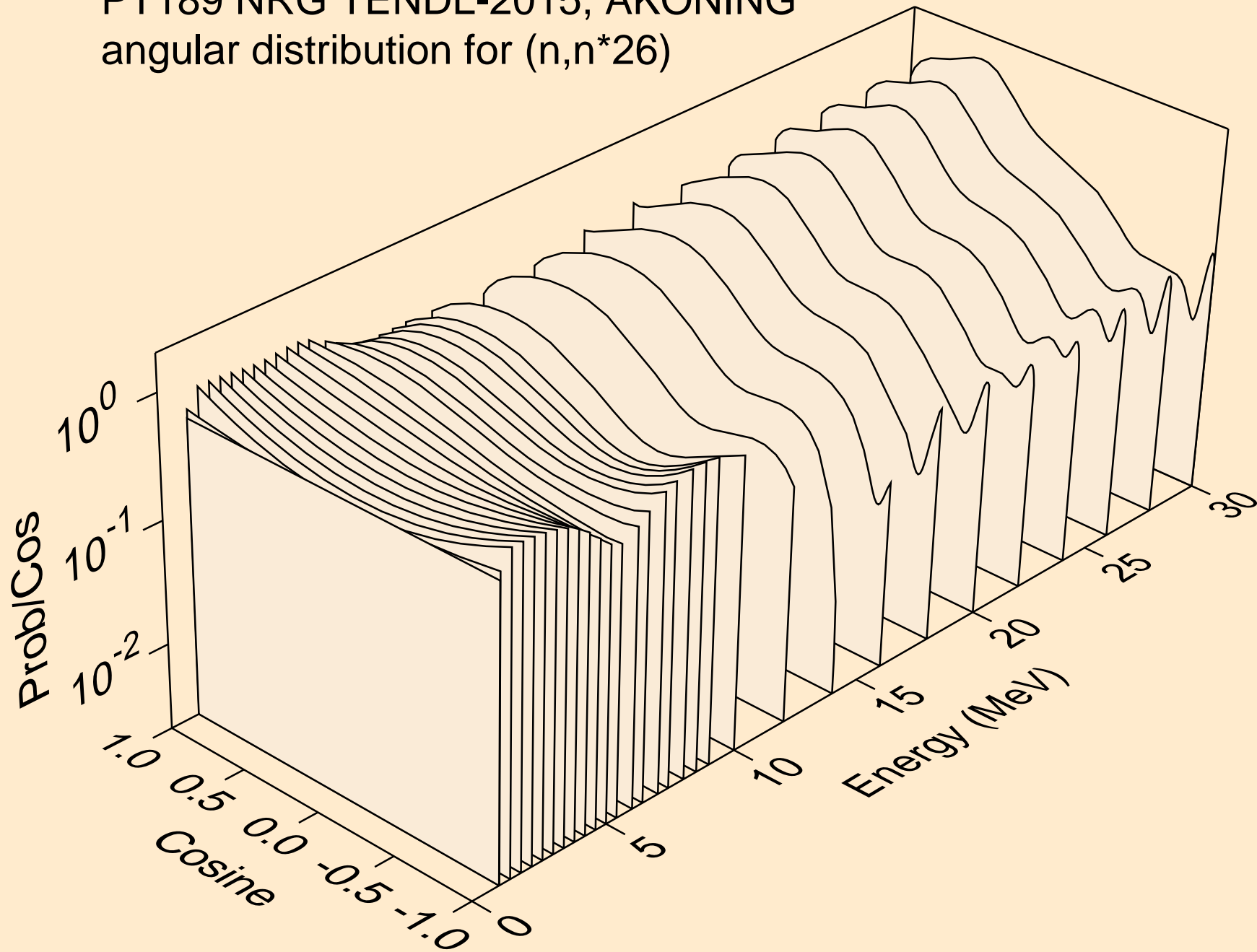
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



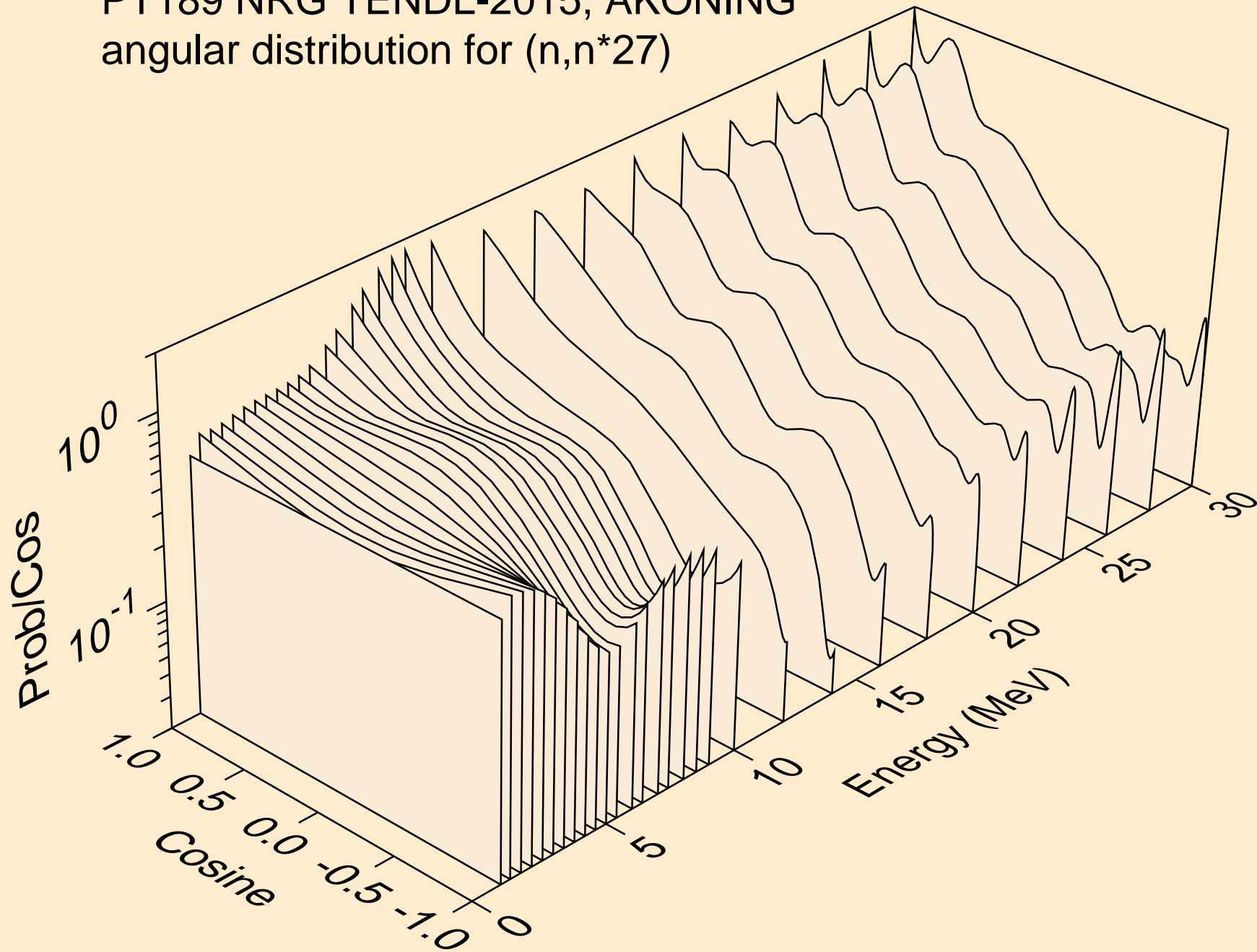
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



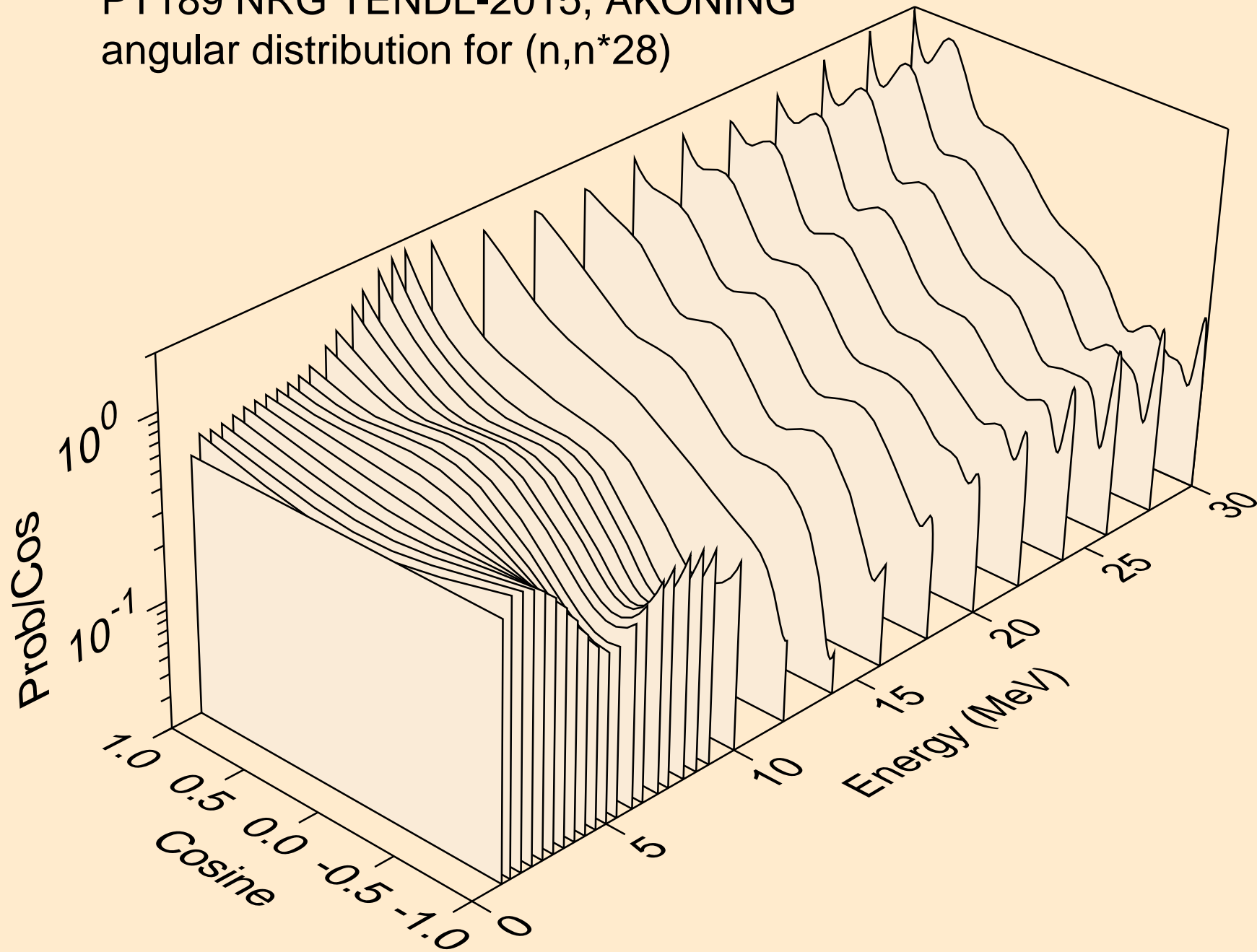
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



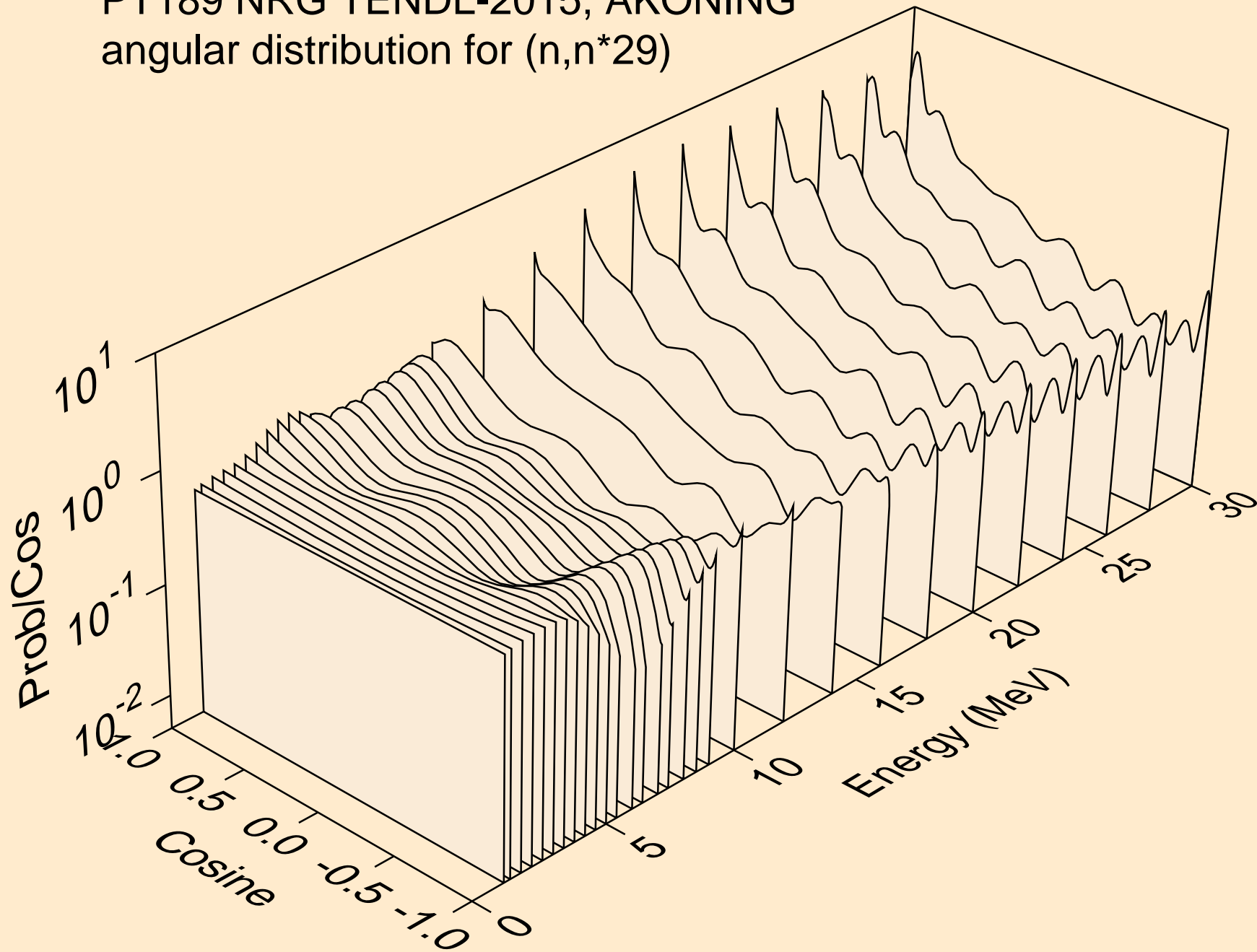
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



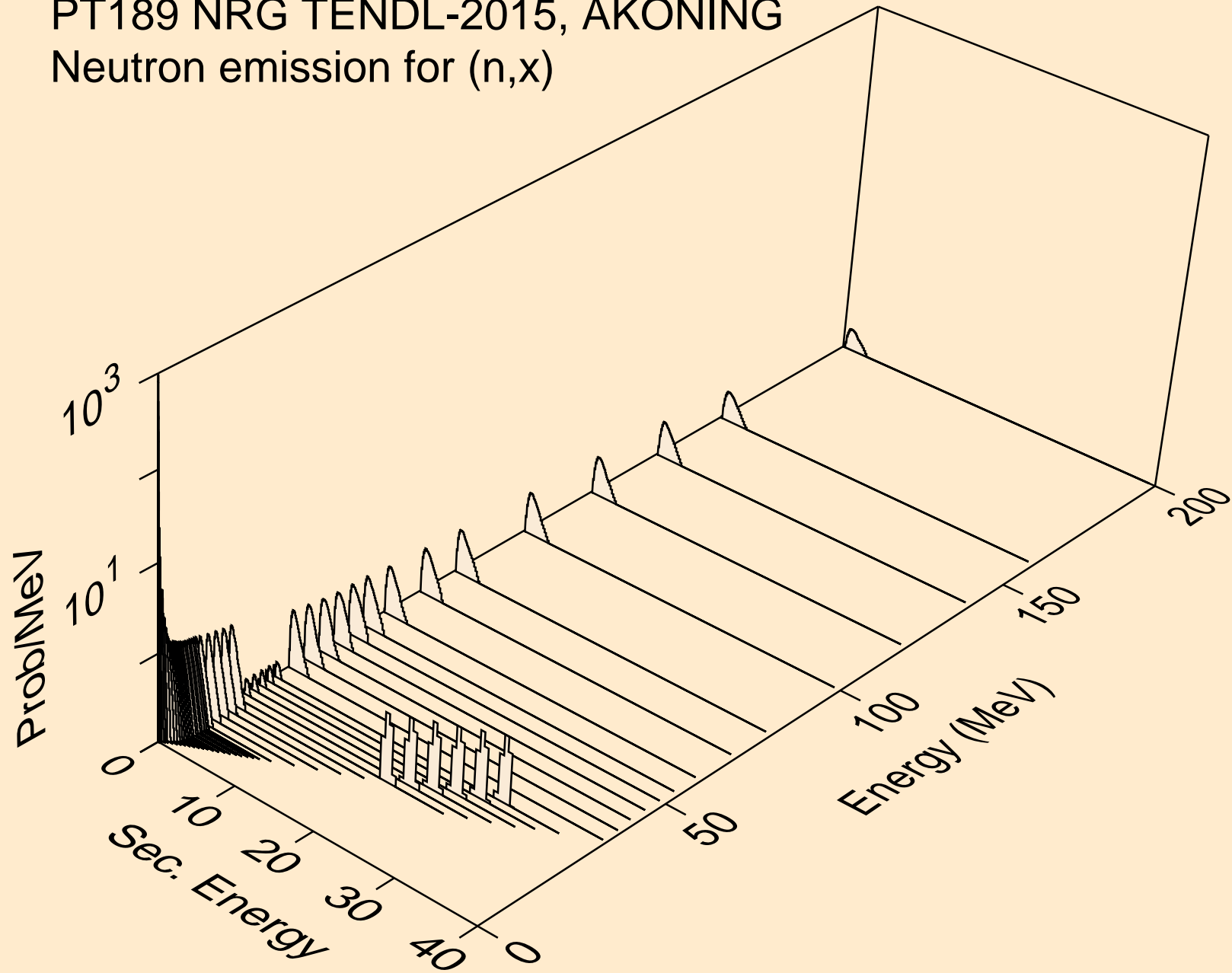
PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



PT189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

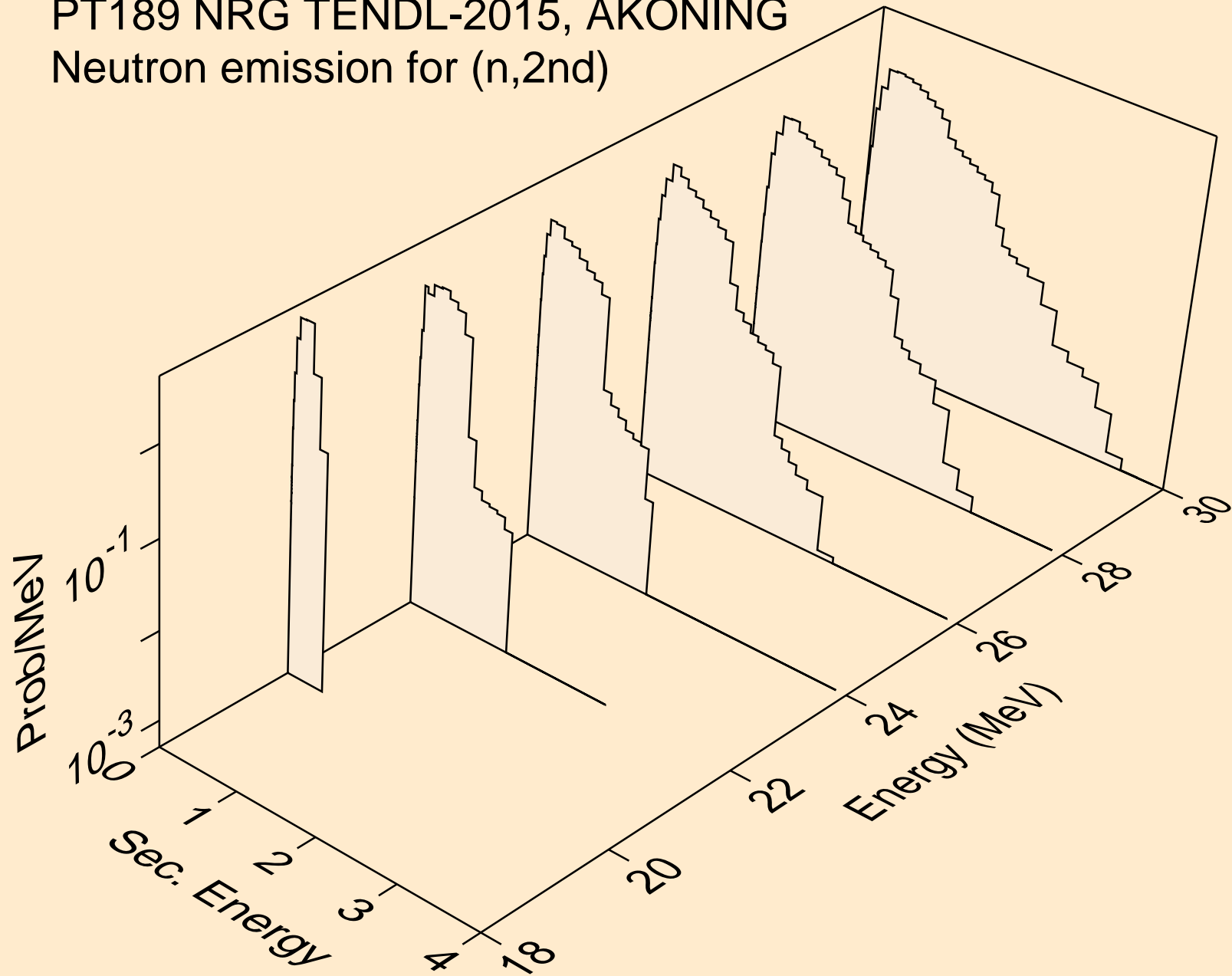


PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

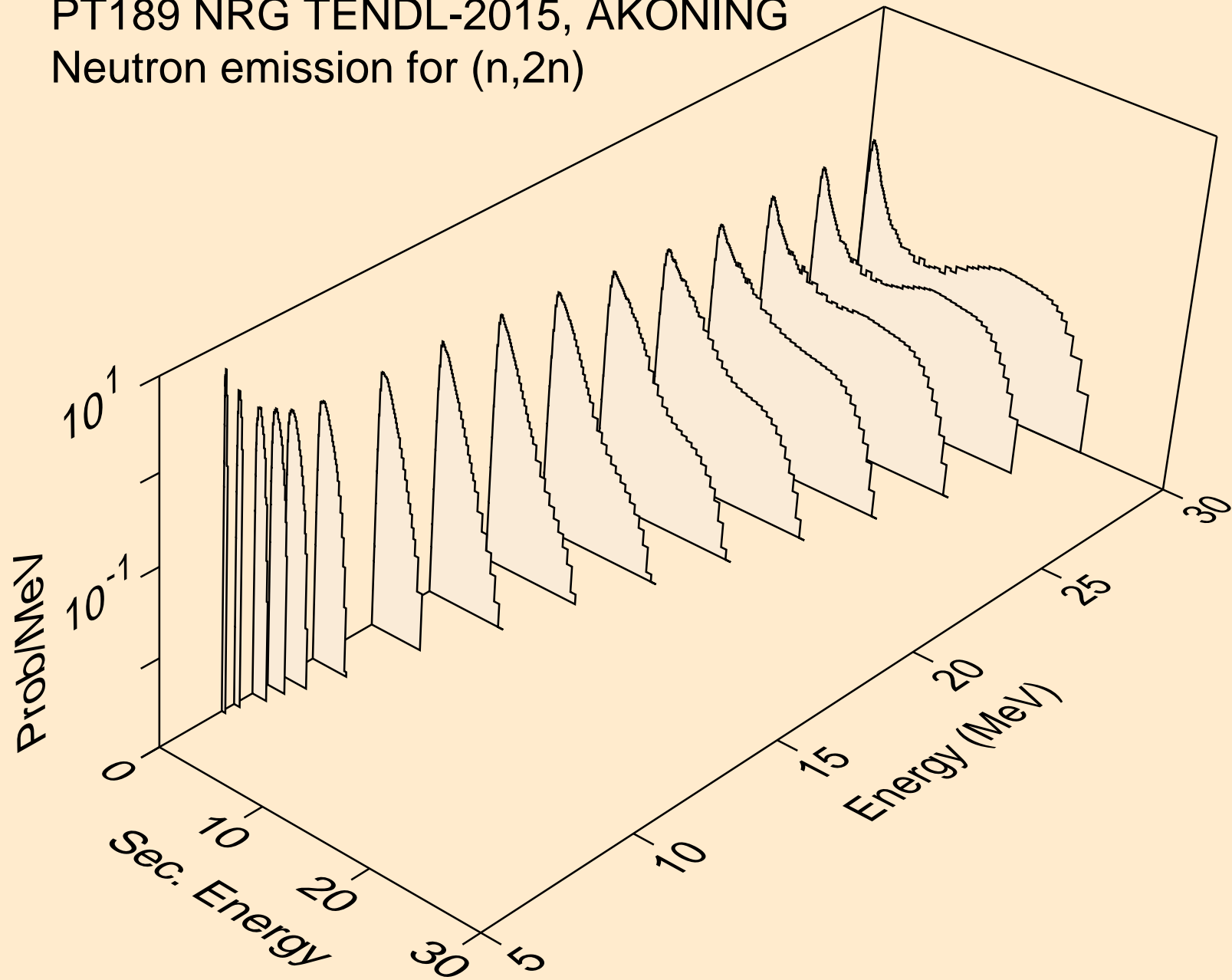




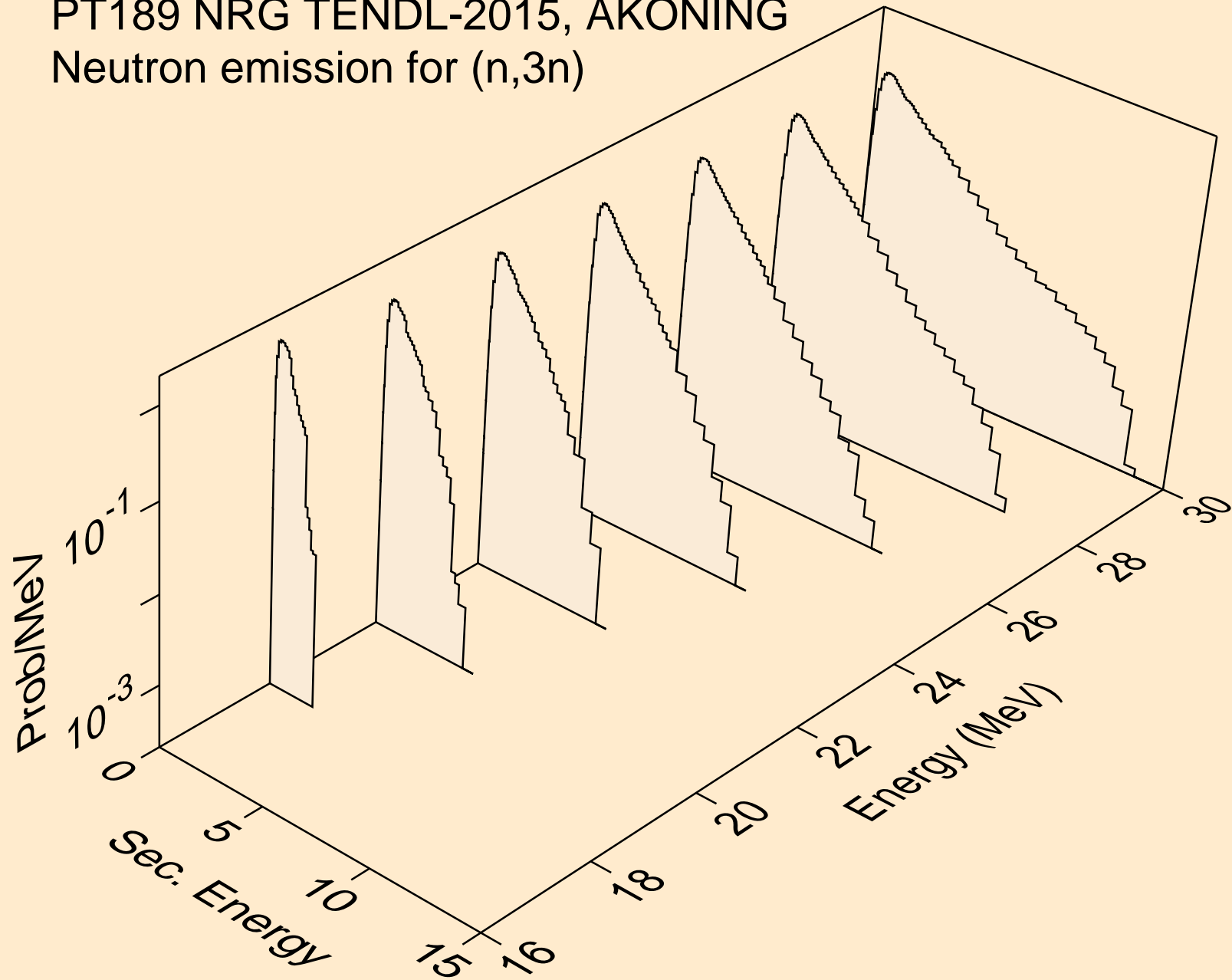
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



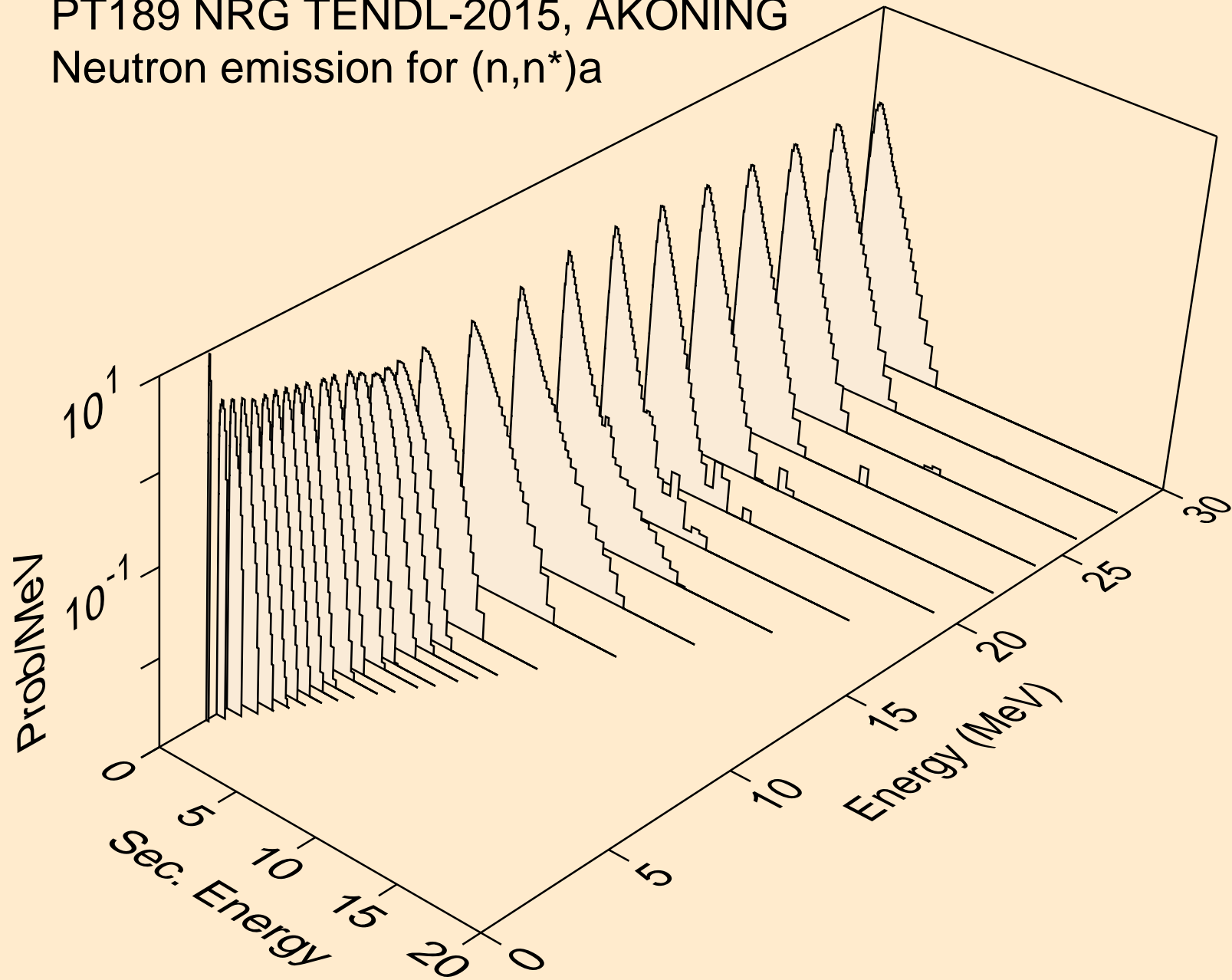
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



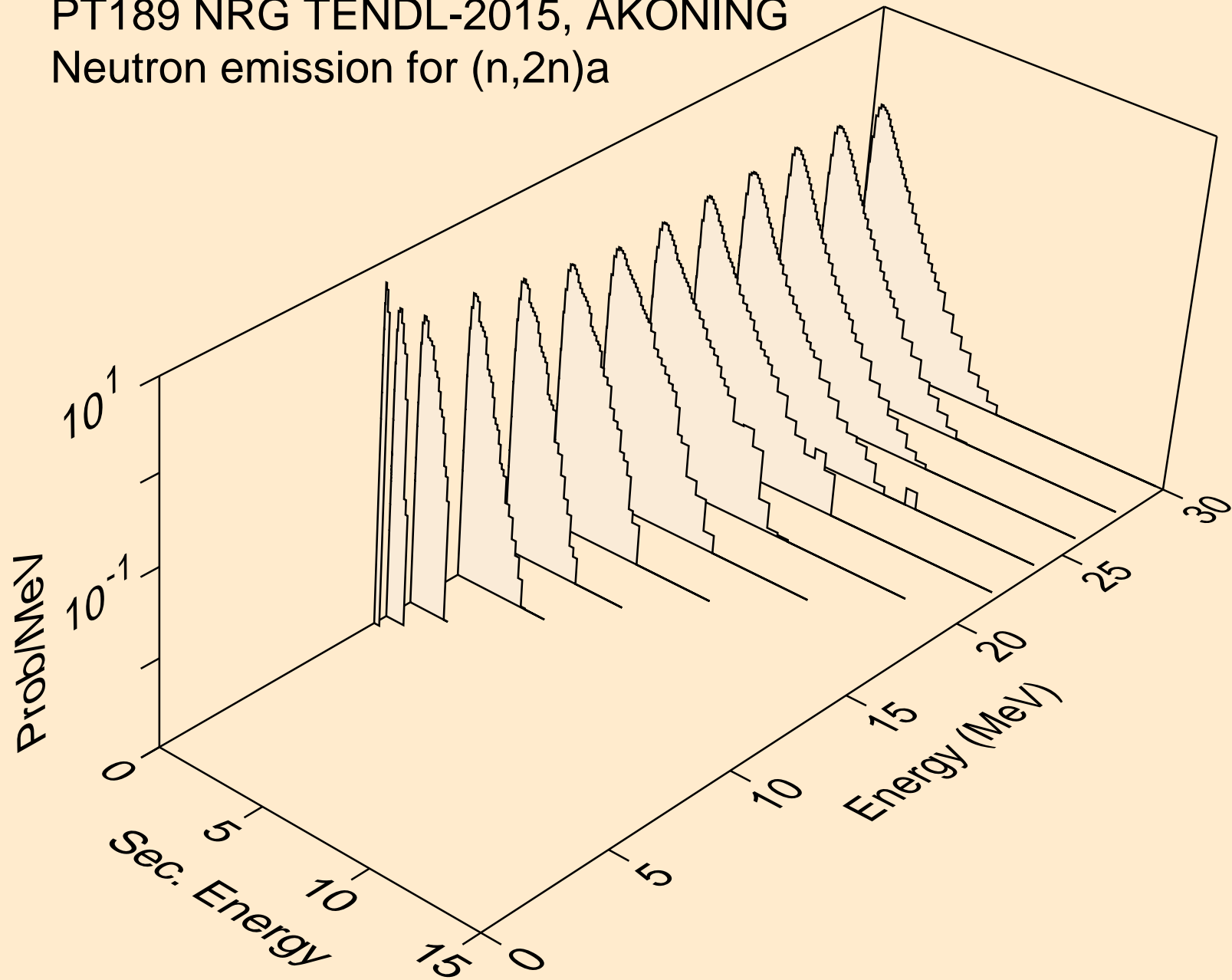
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



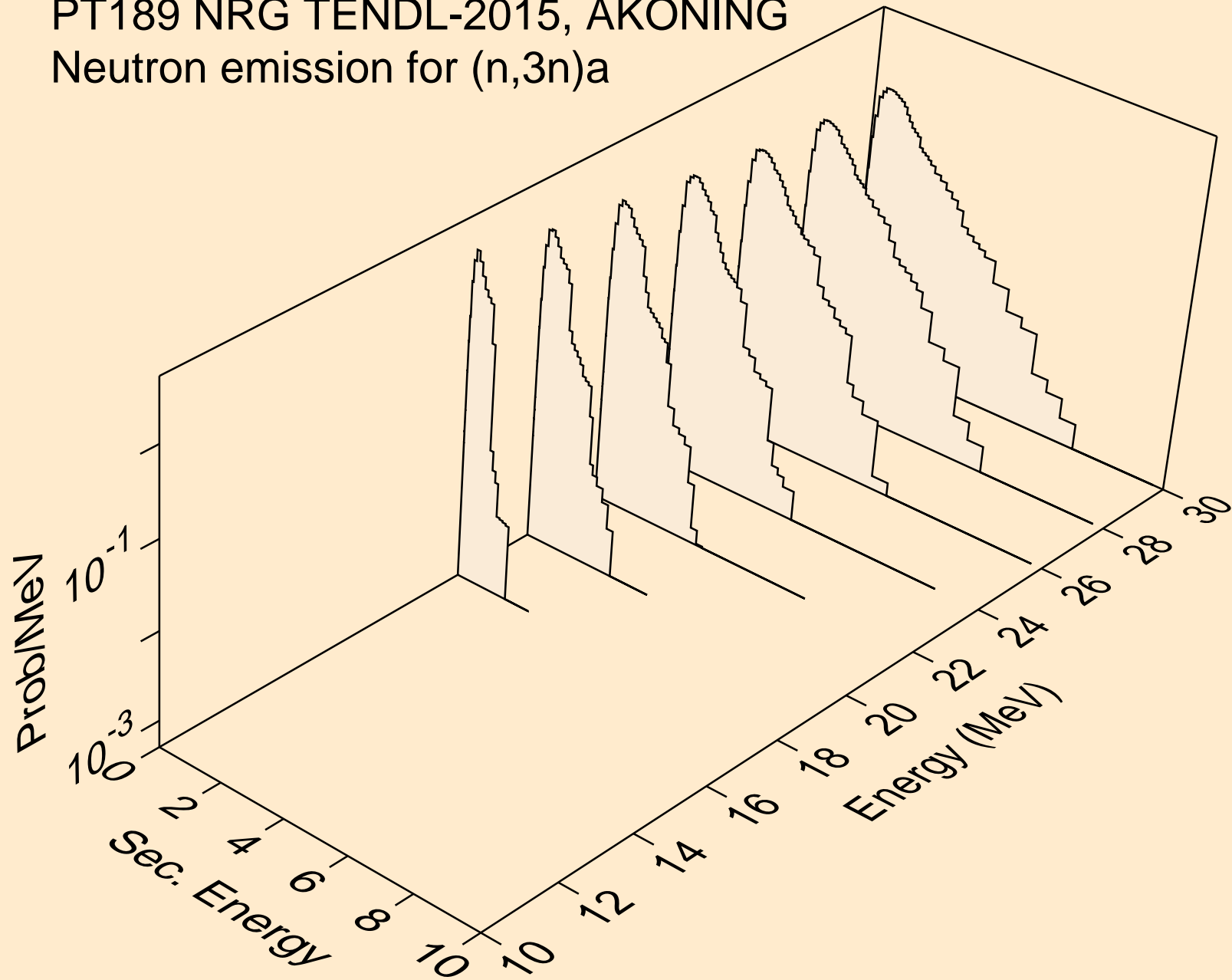
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



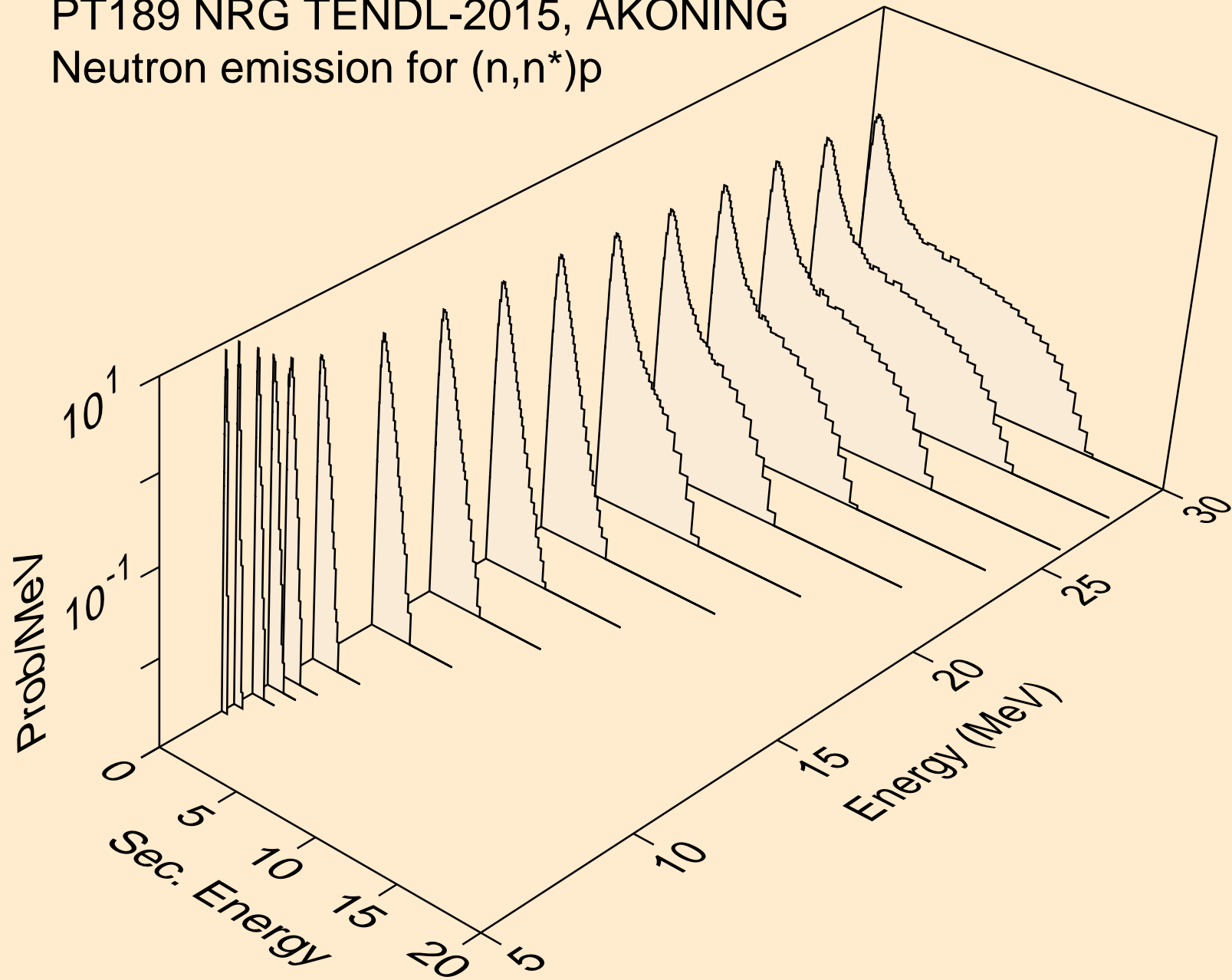
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



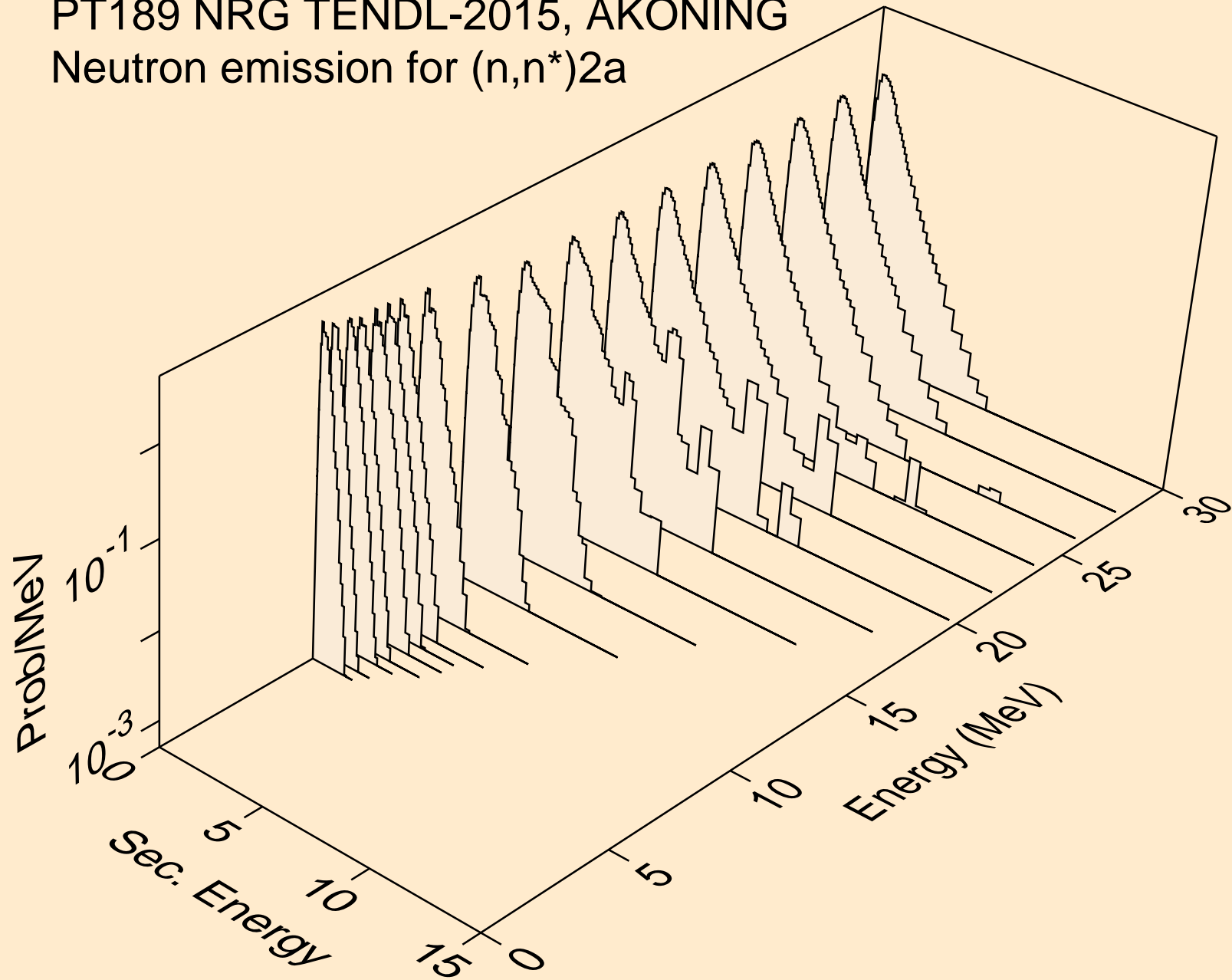
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

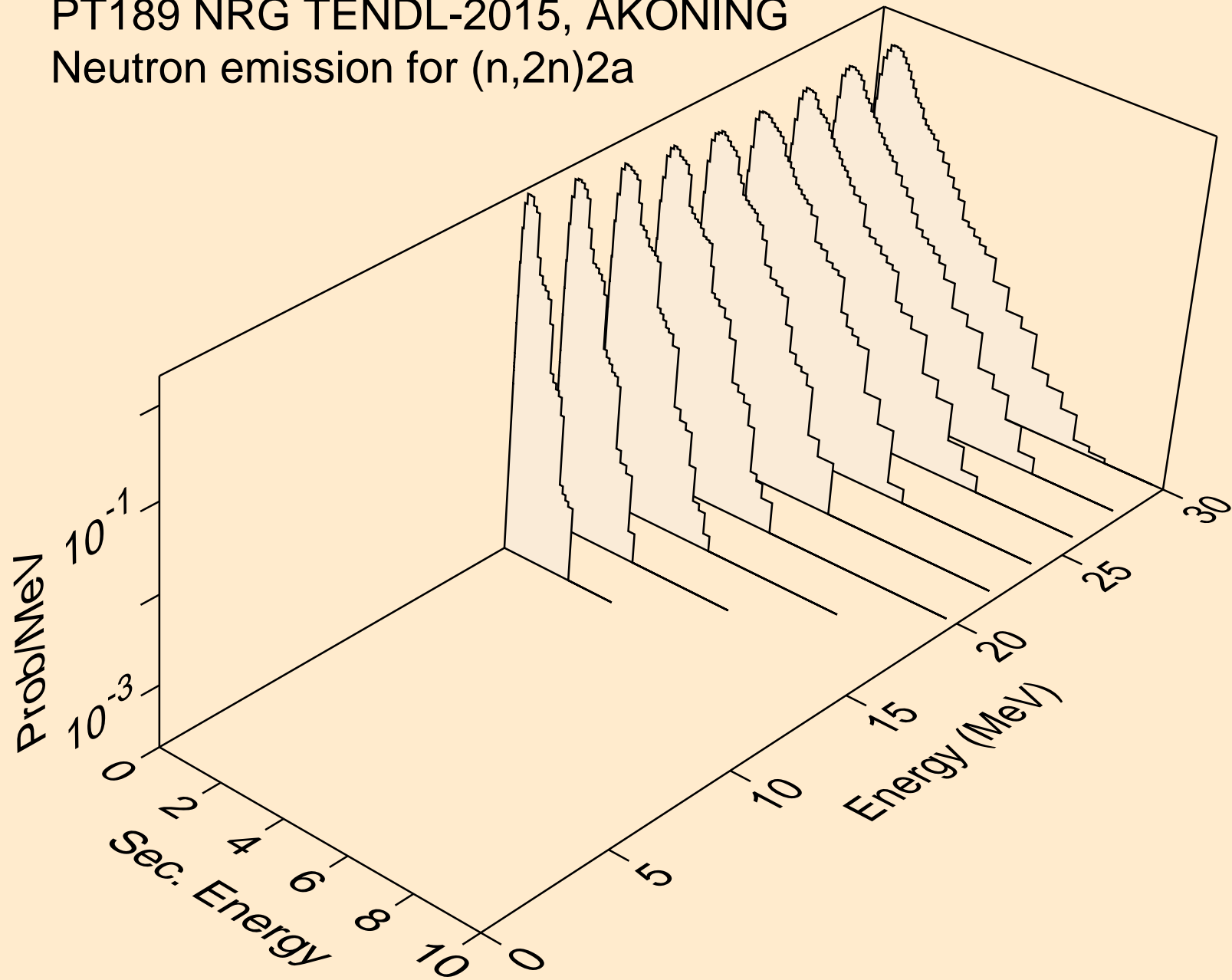


PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

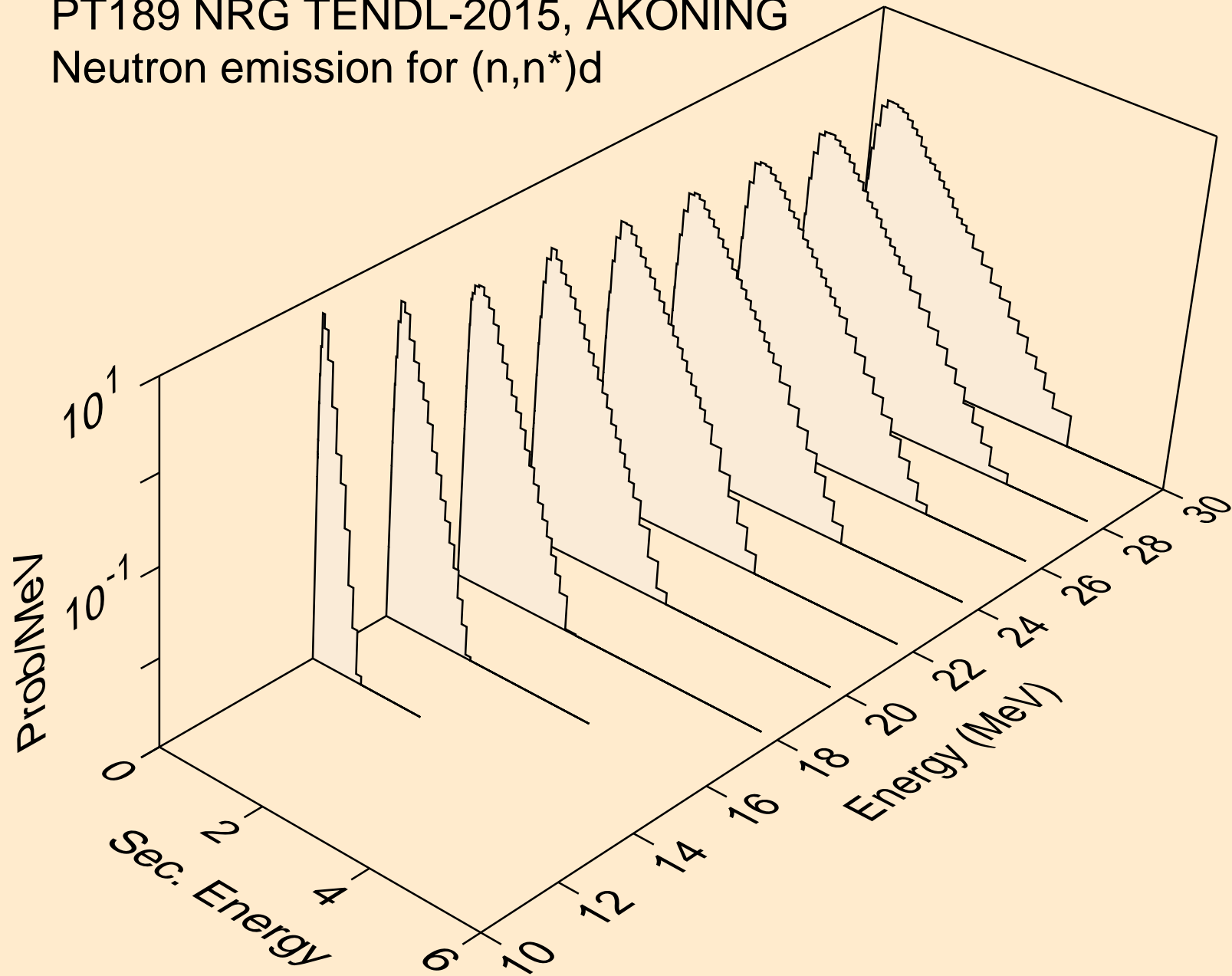




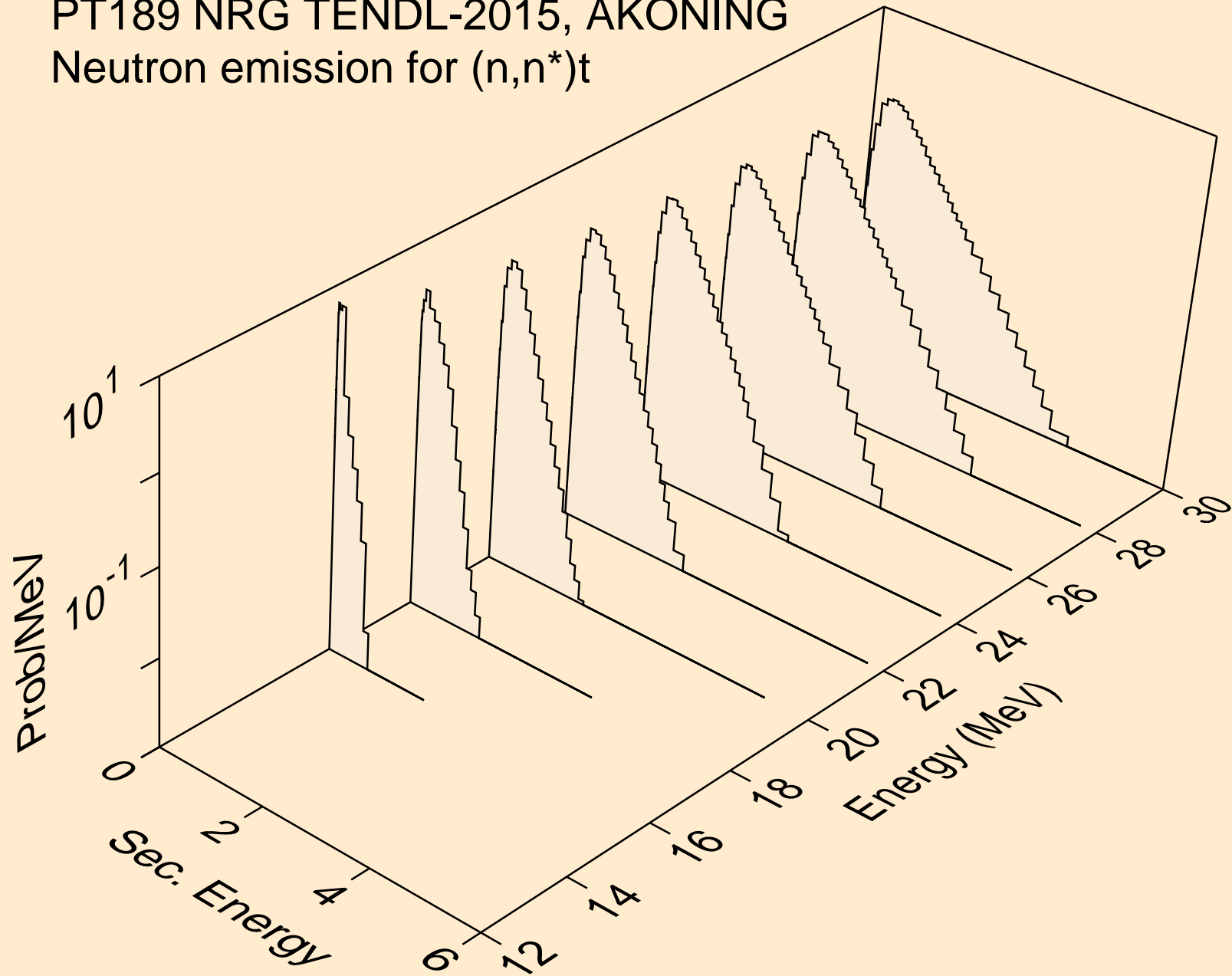
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>2a</sub>



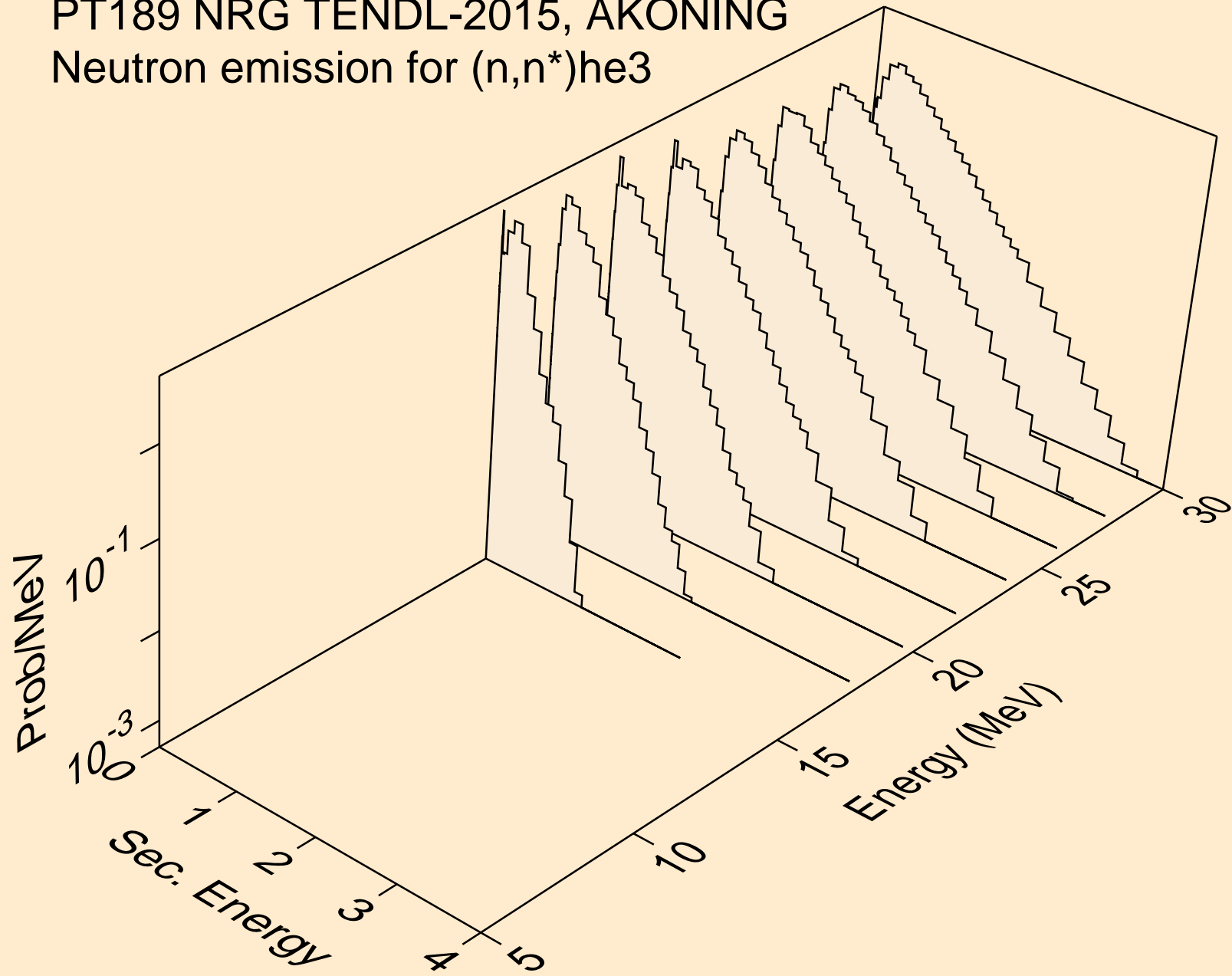
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



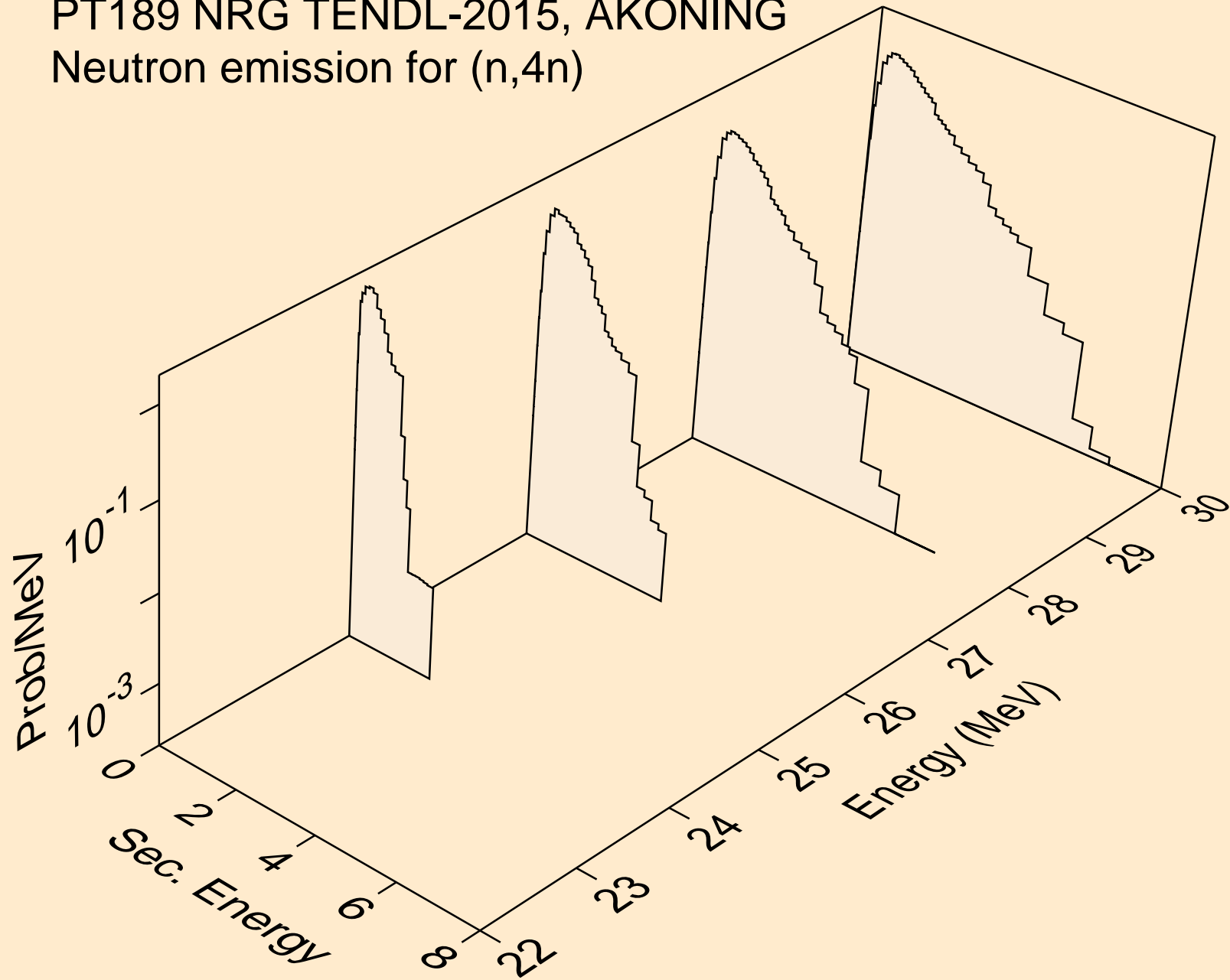
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



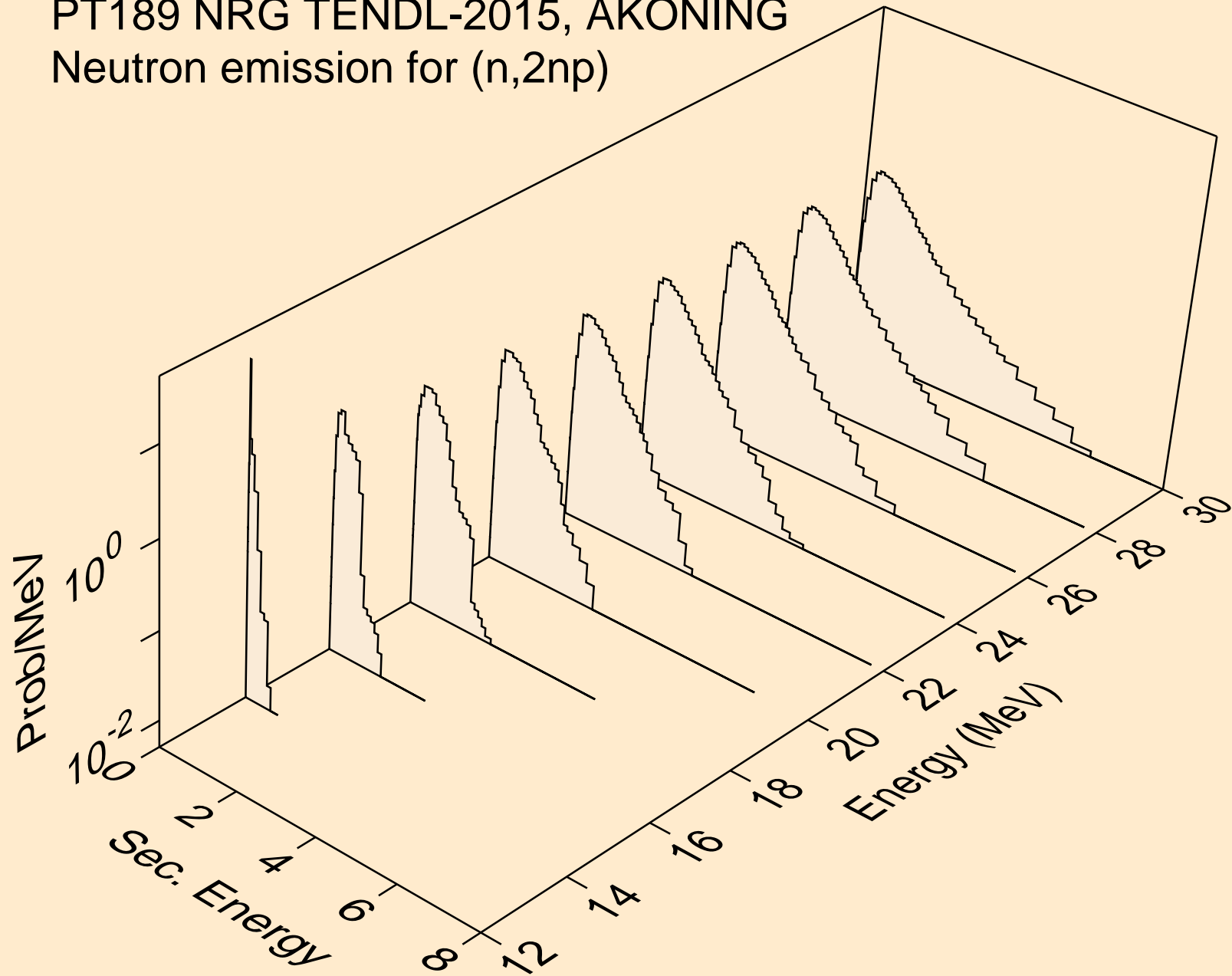
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



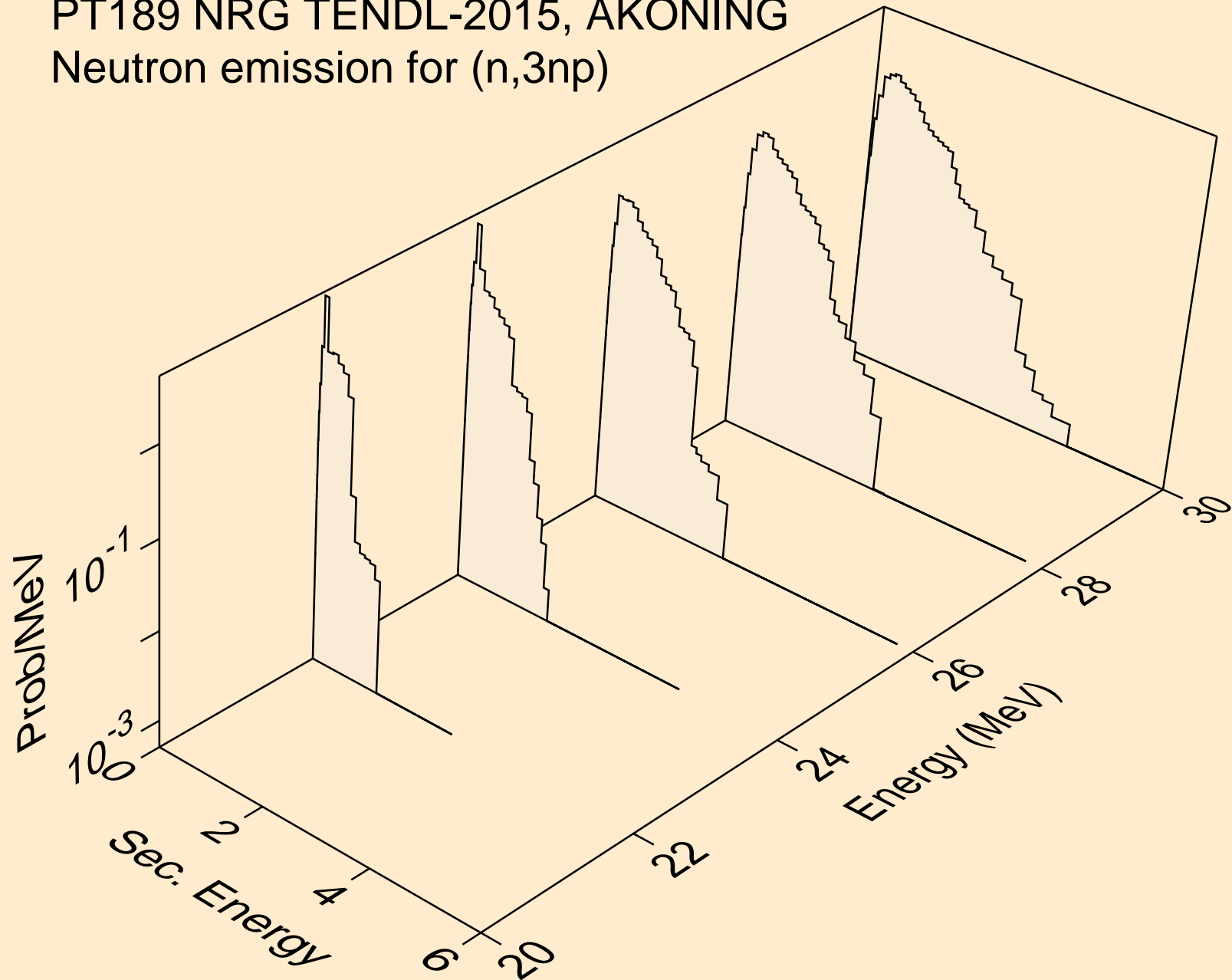
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



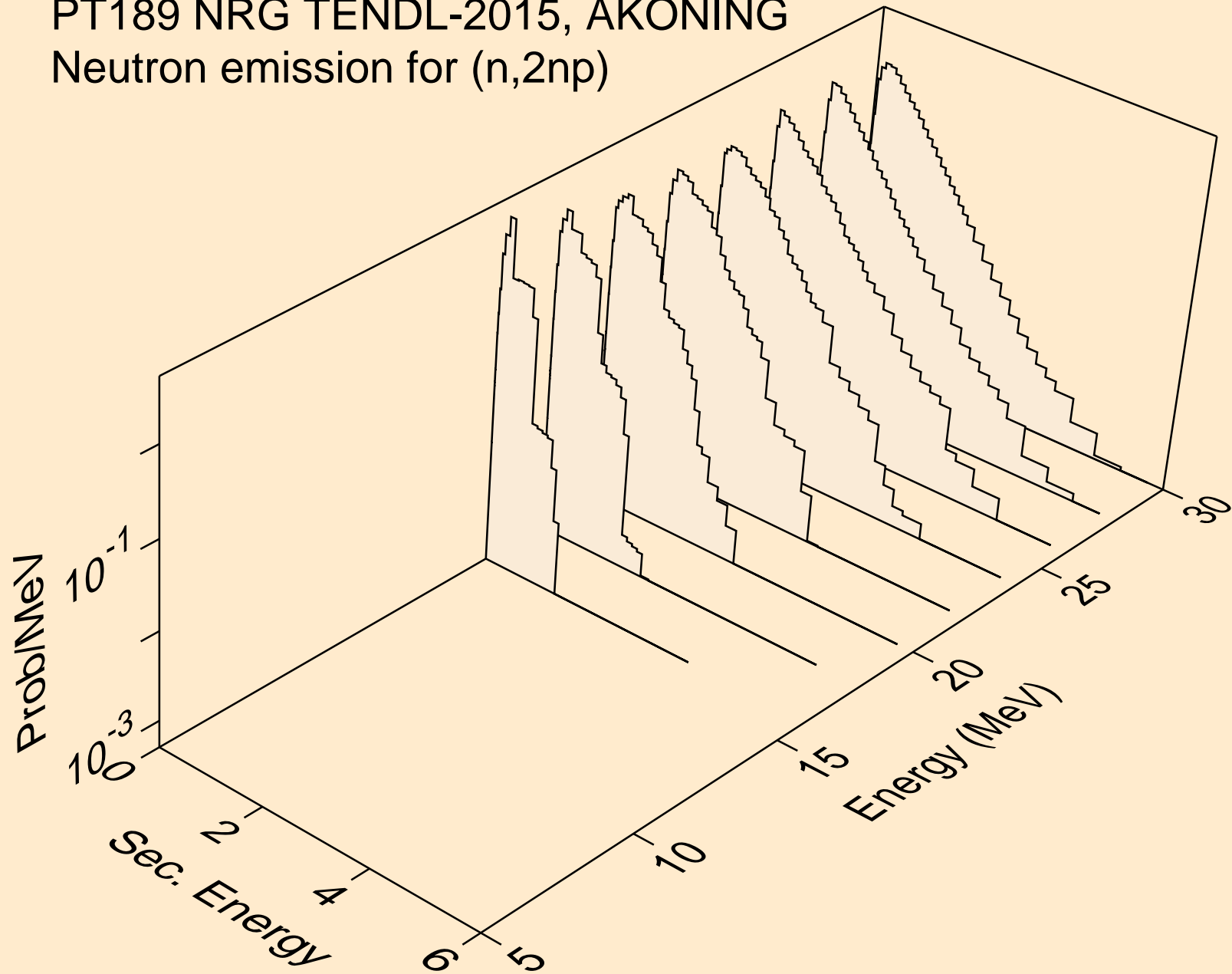
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

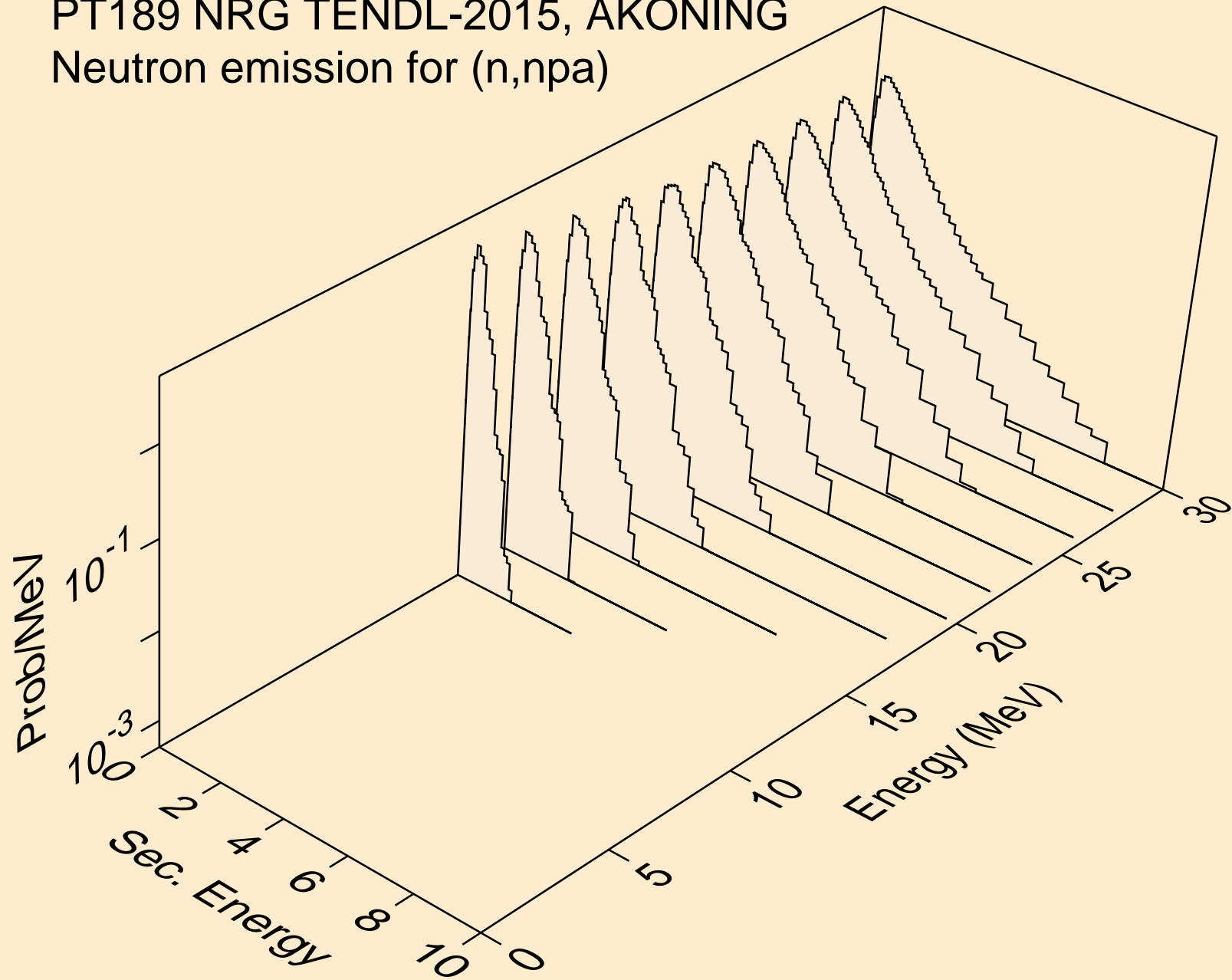


PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

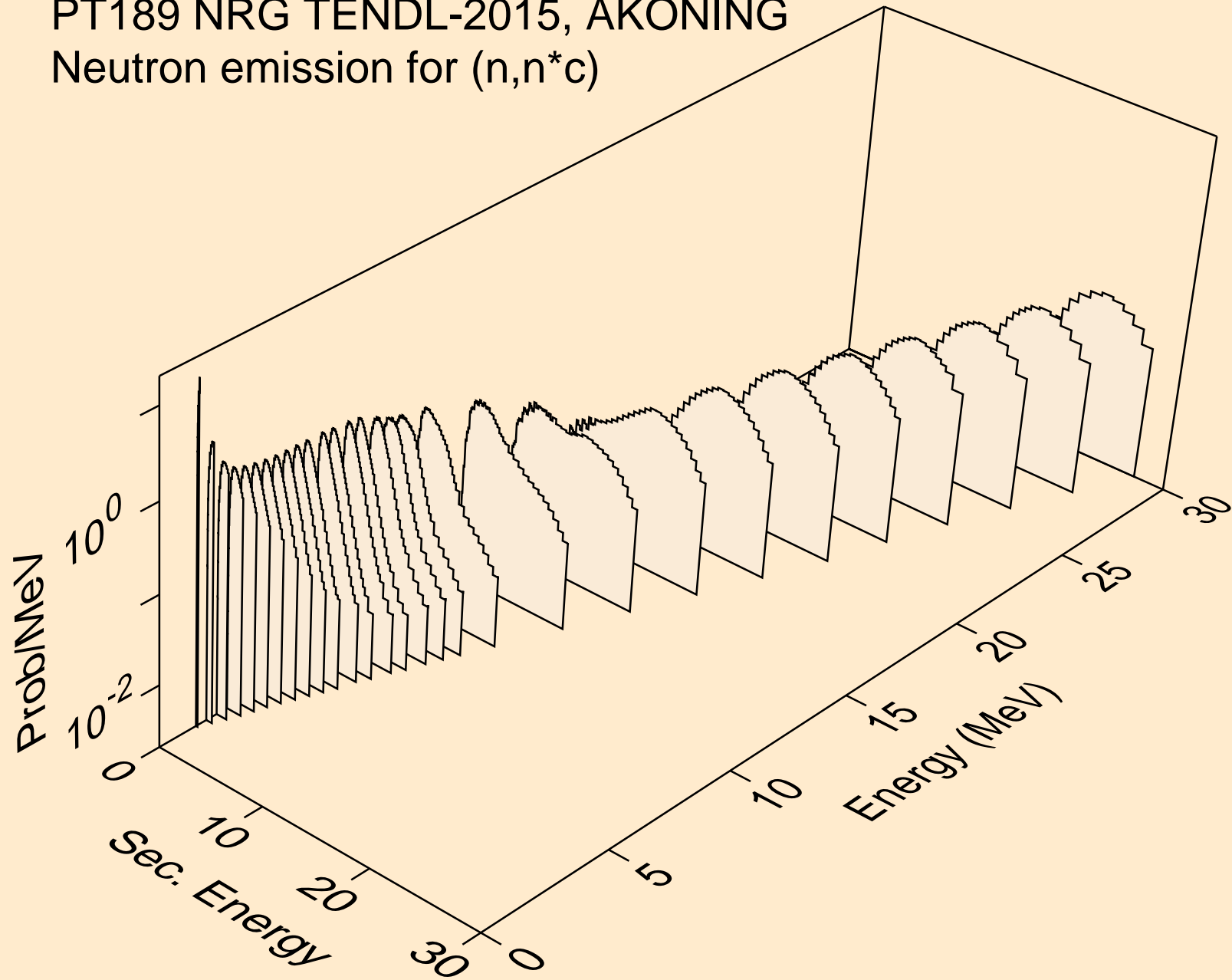




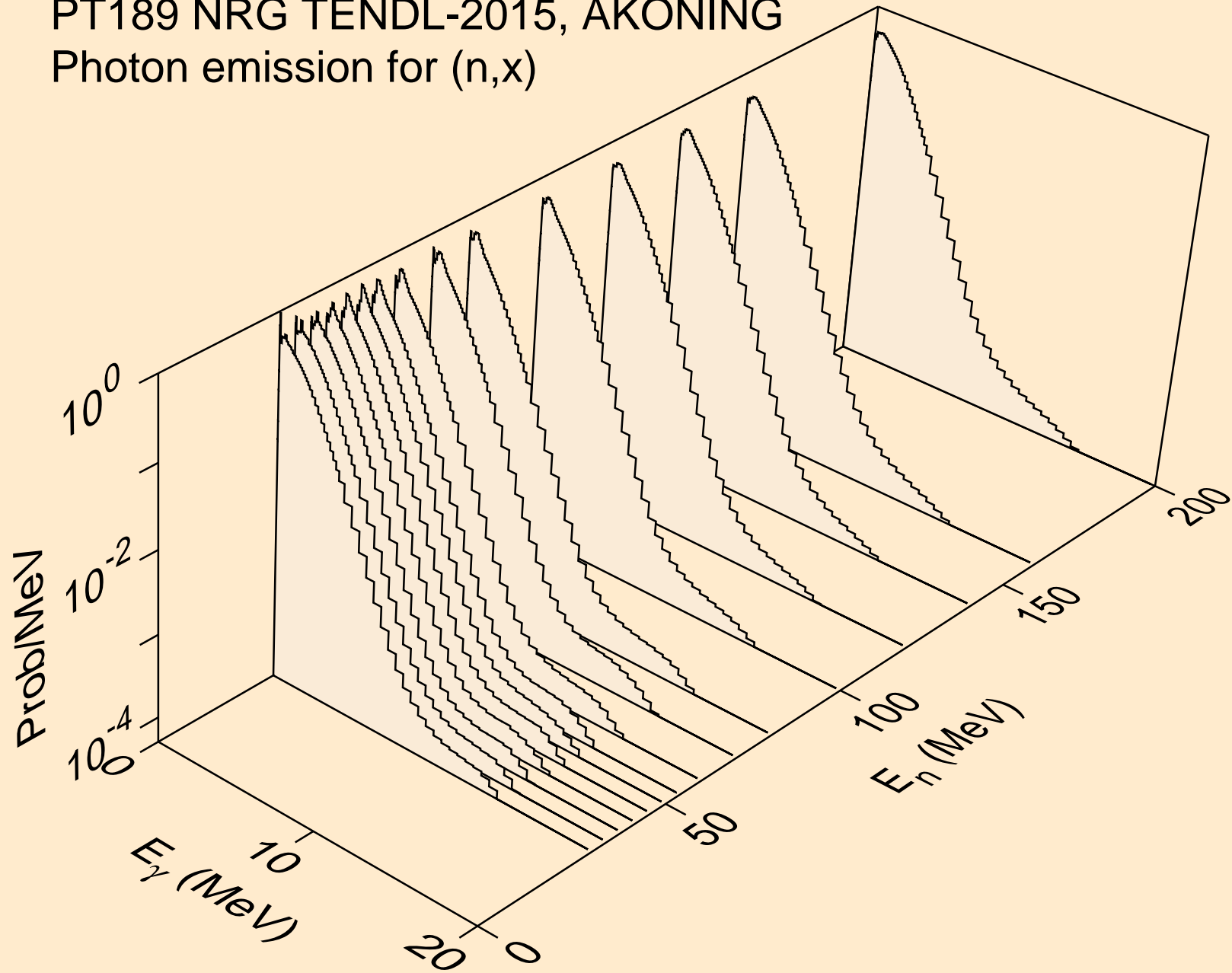
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



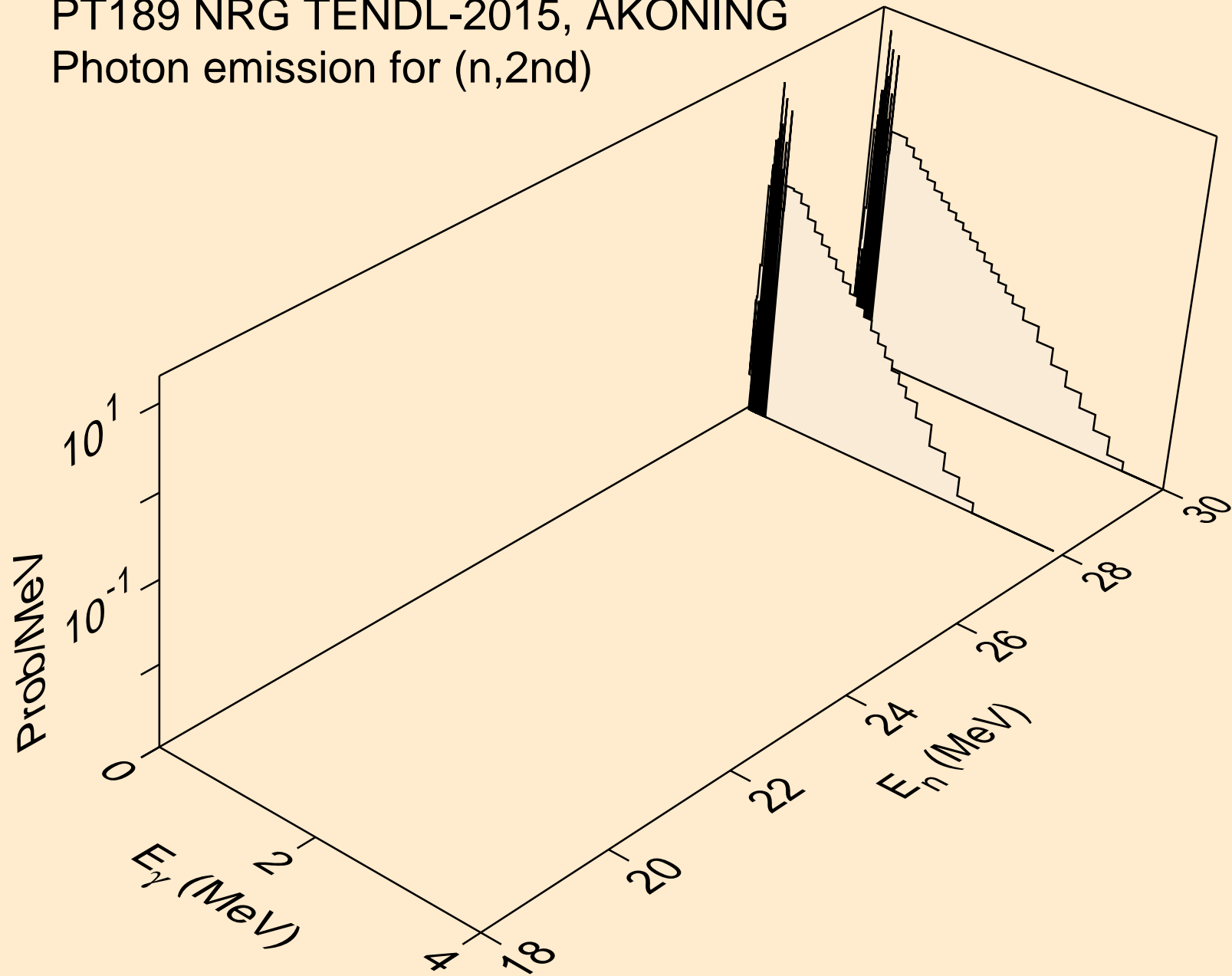
PT189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



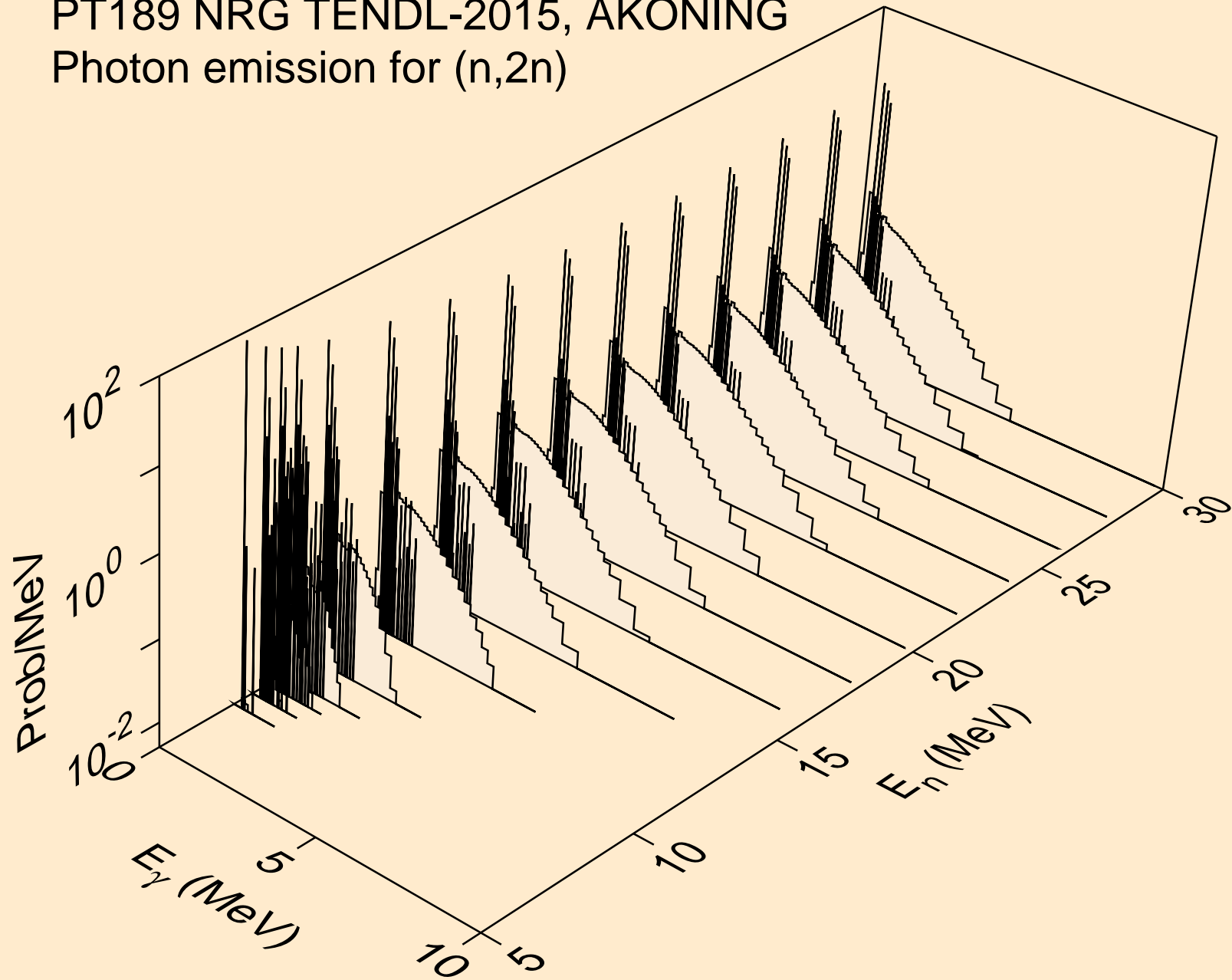
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



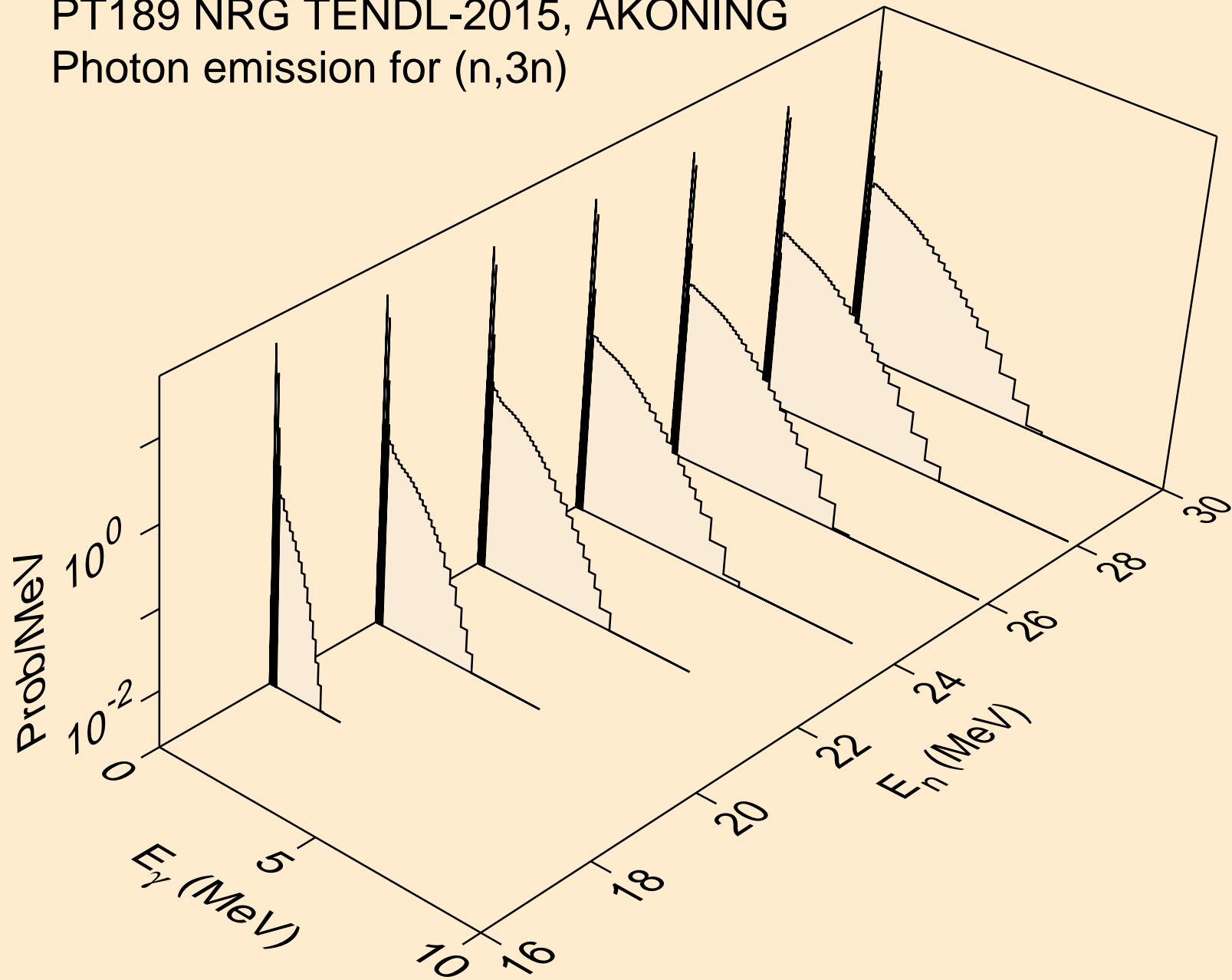
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



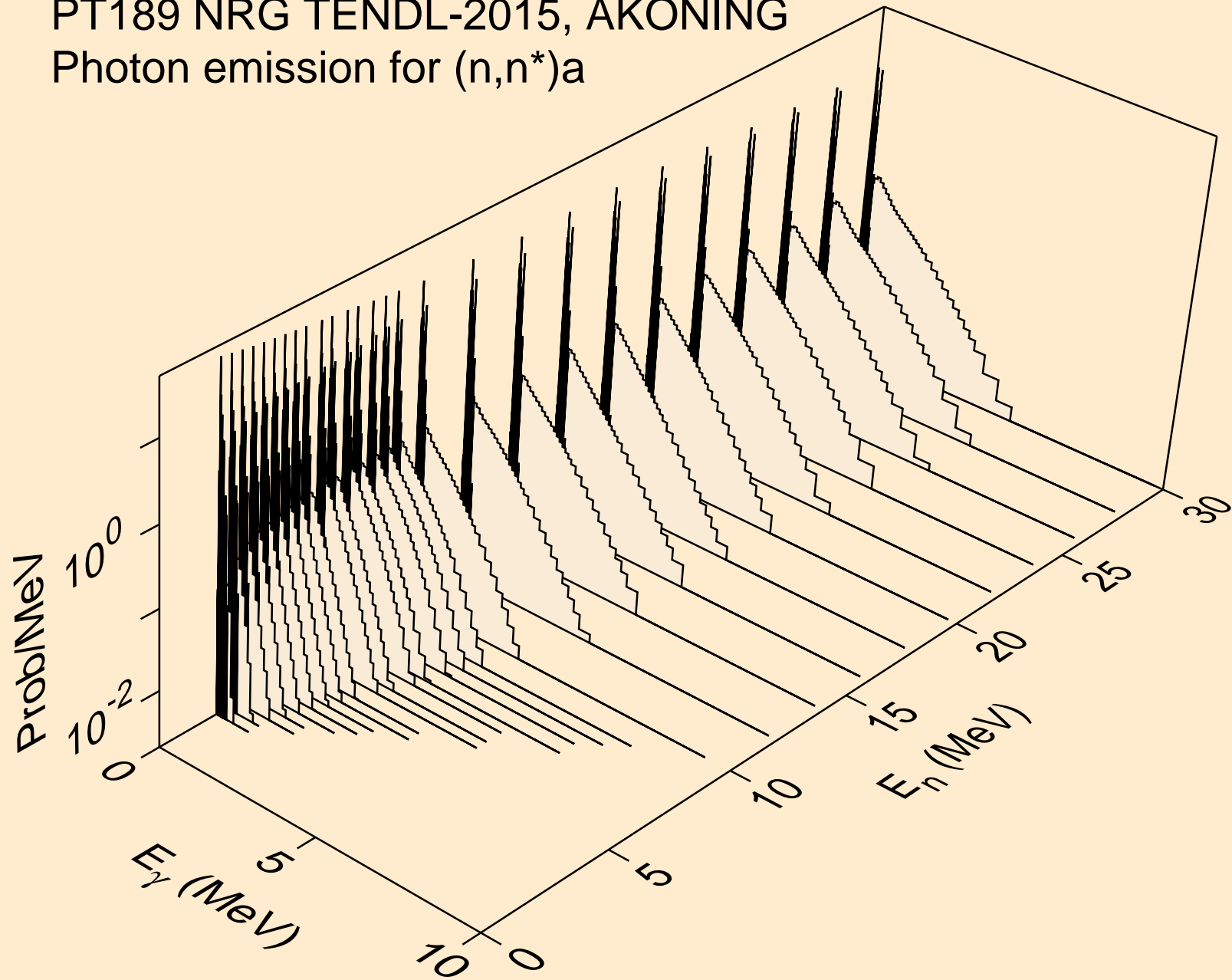
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



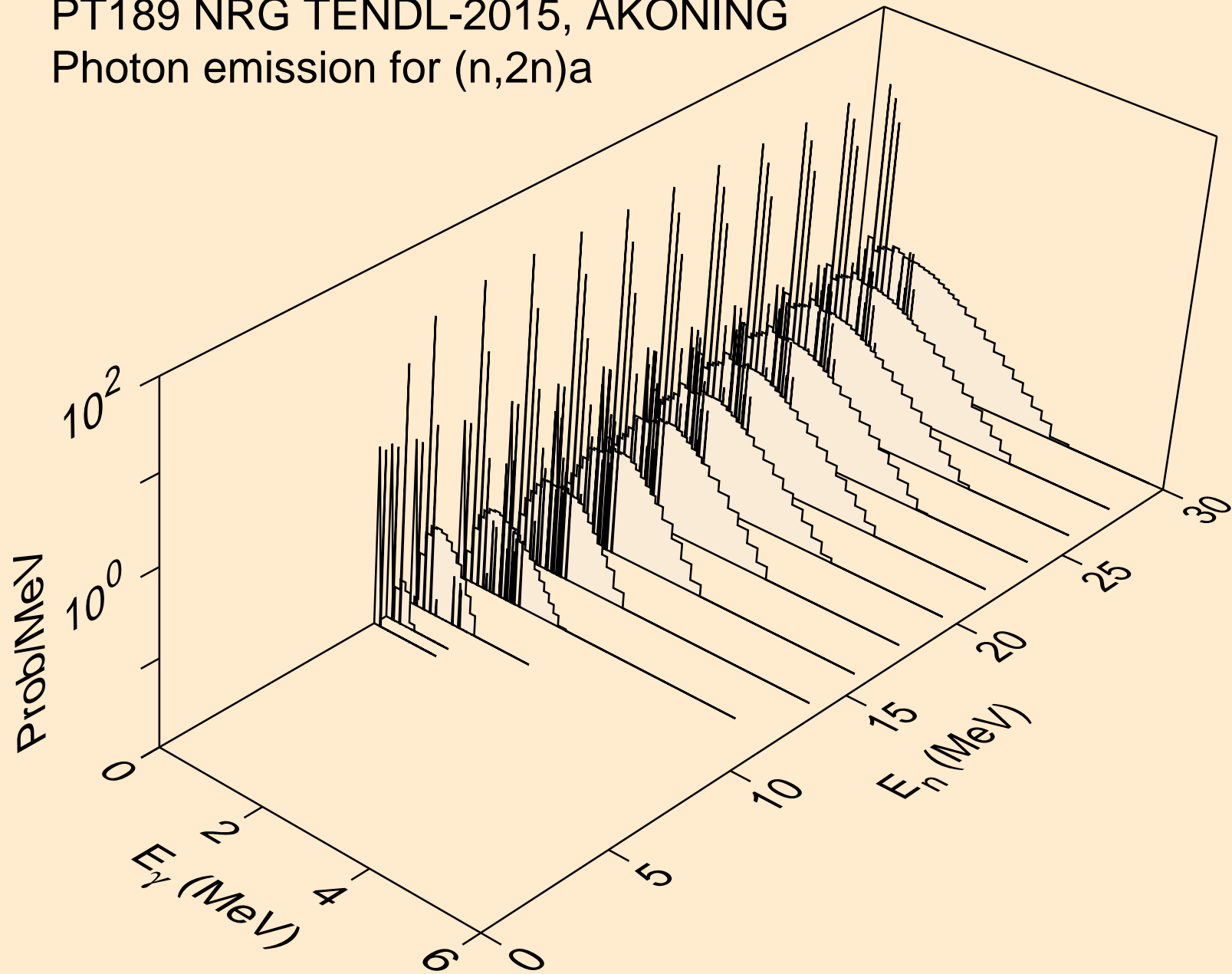
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

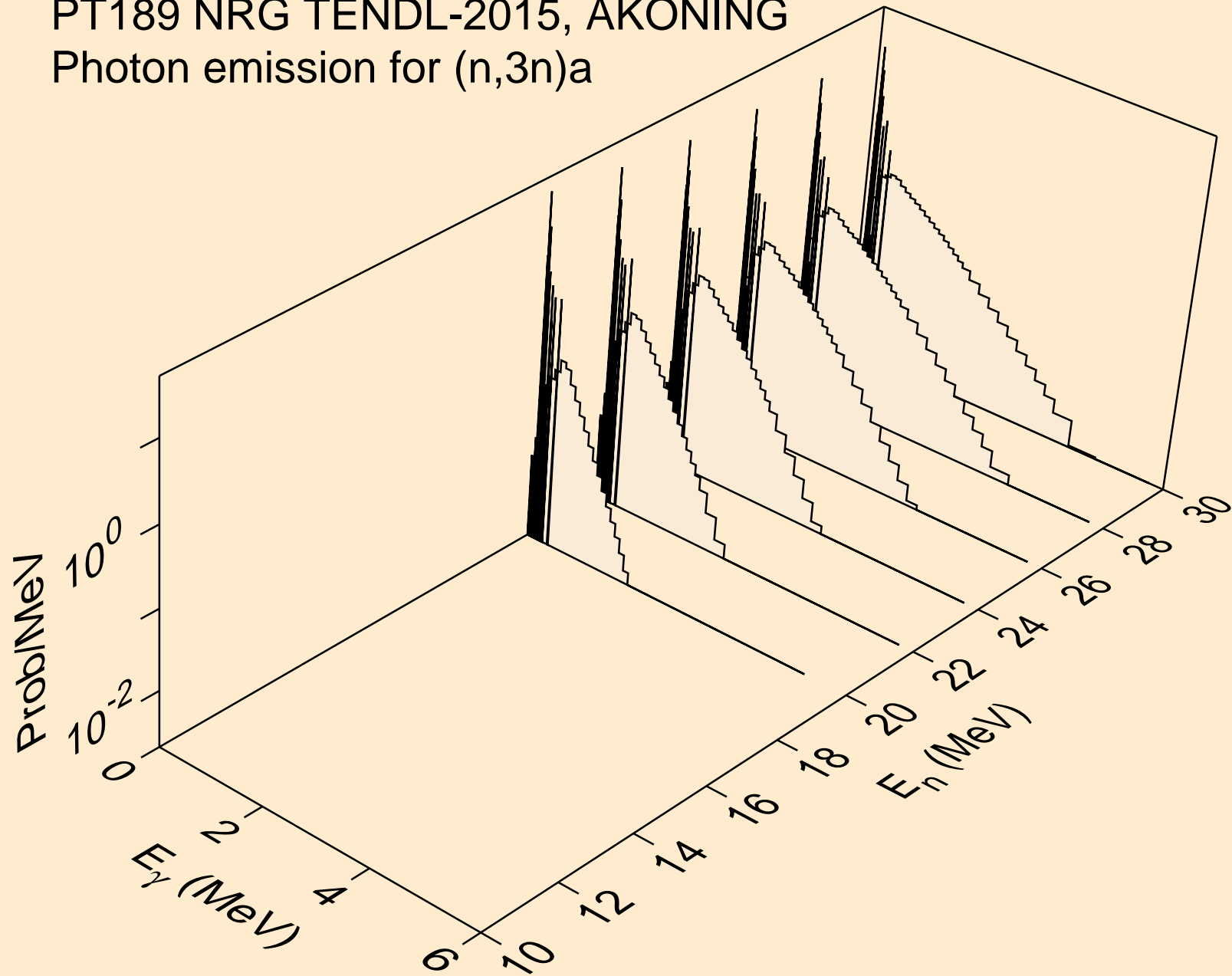


PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

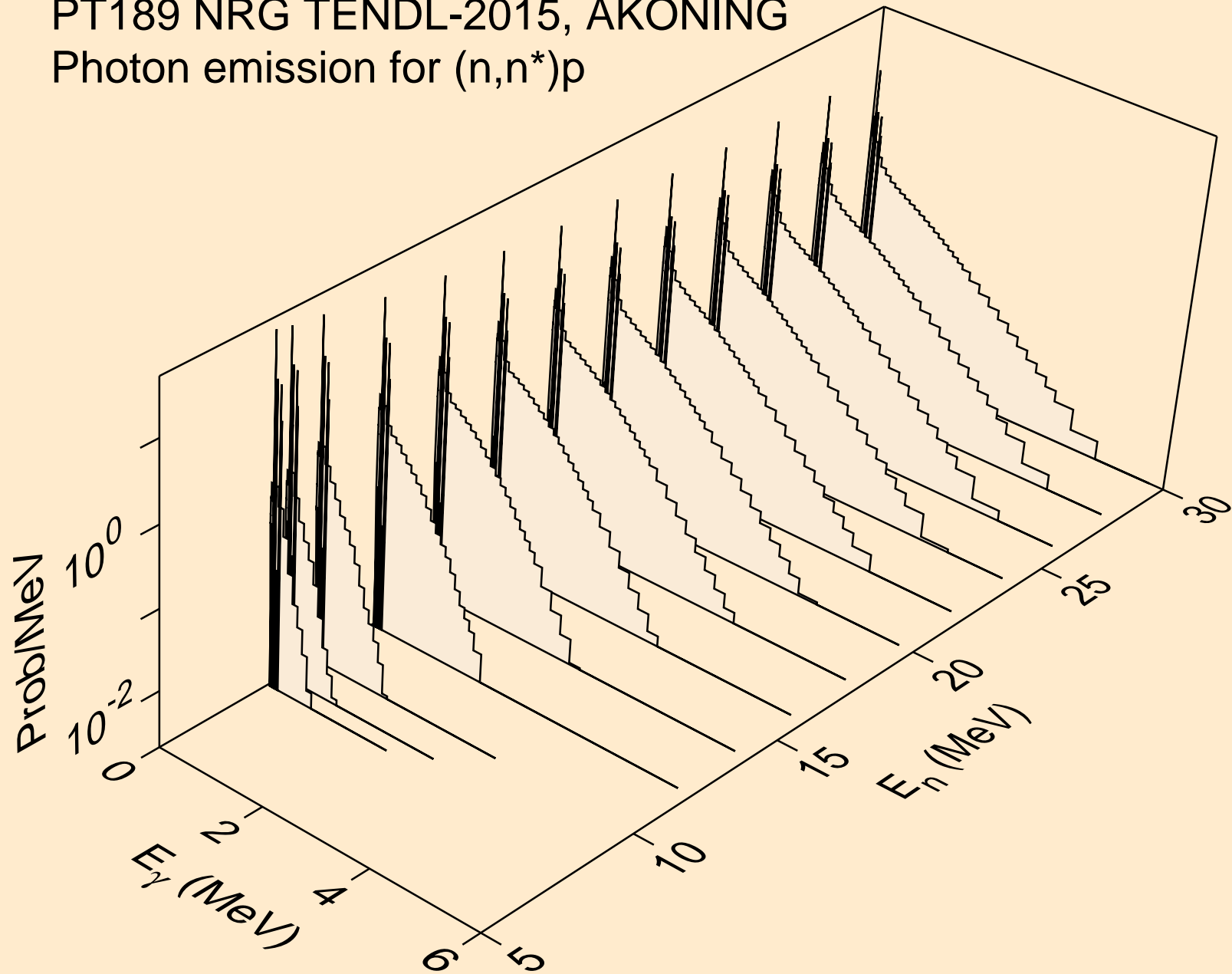




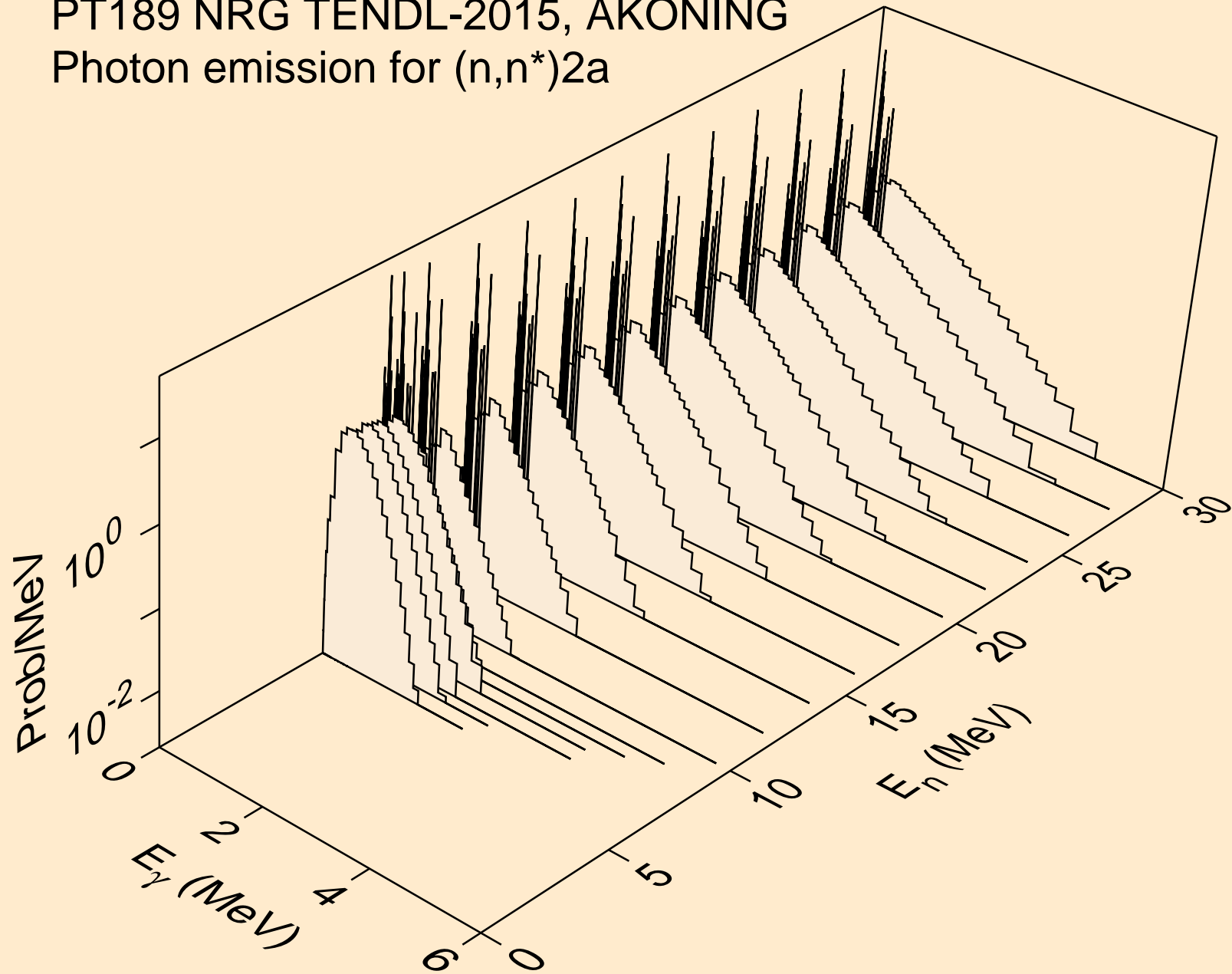
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



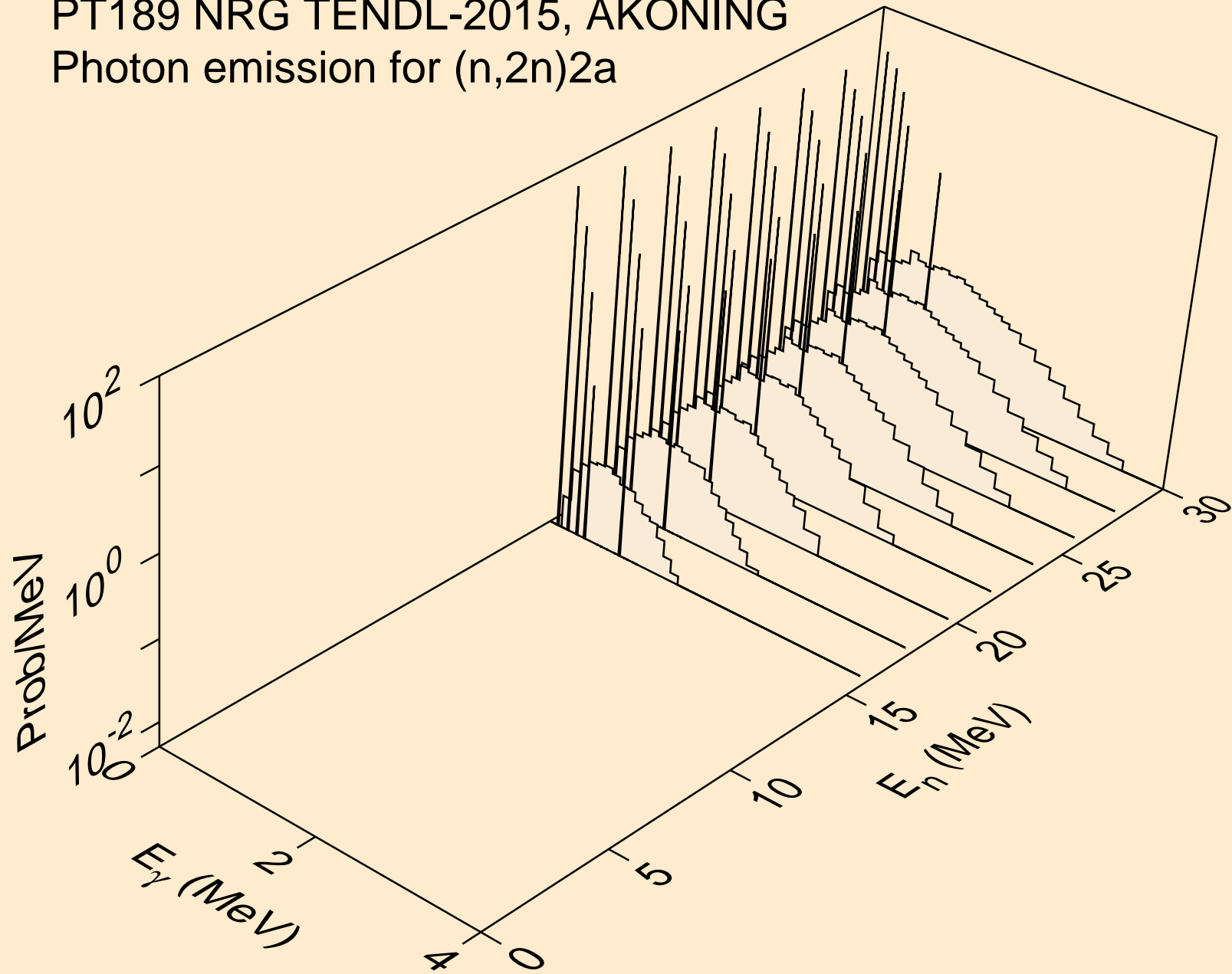
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



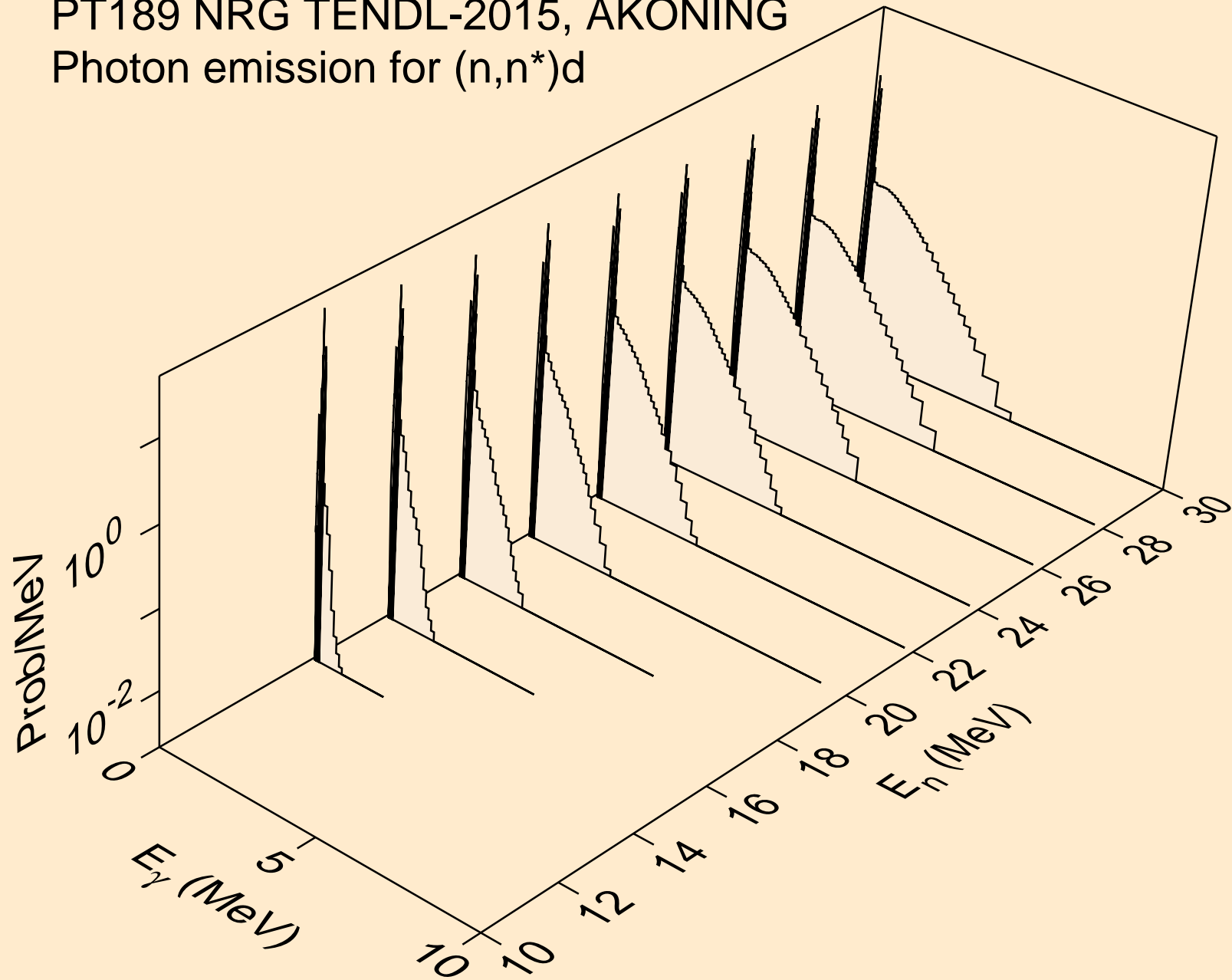
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



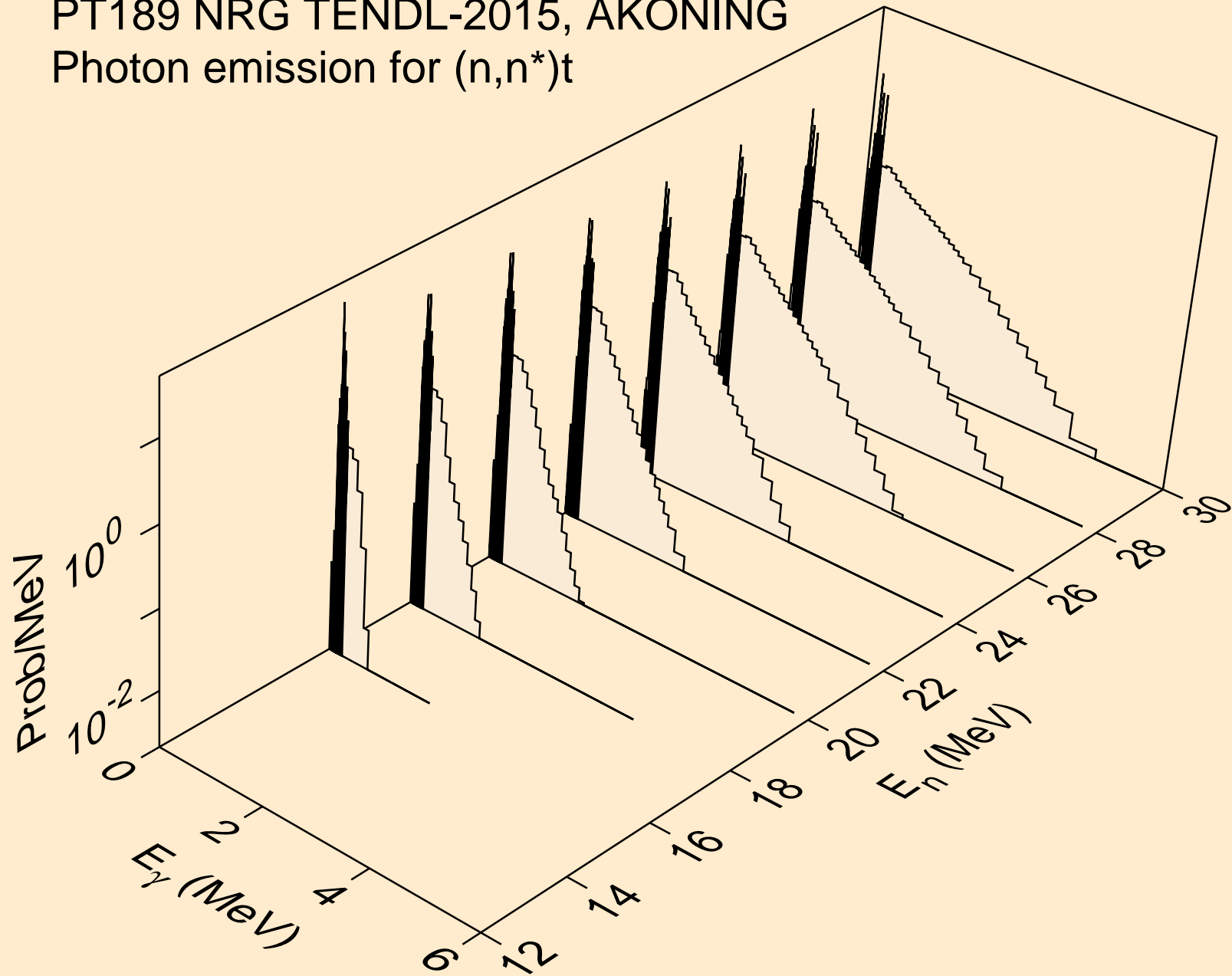
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



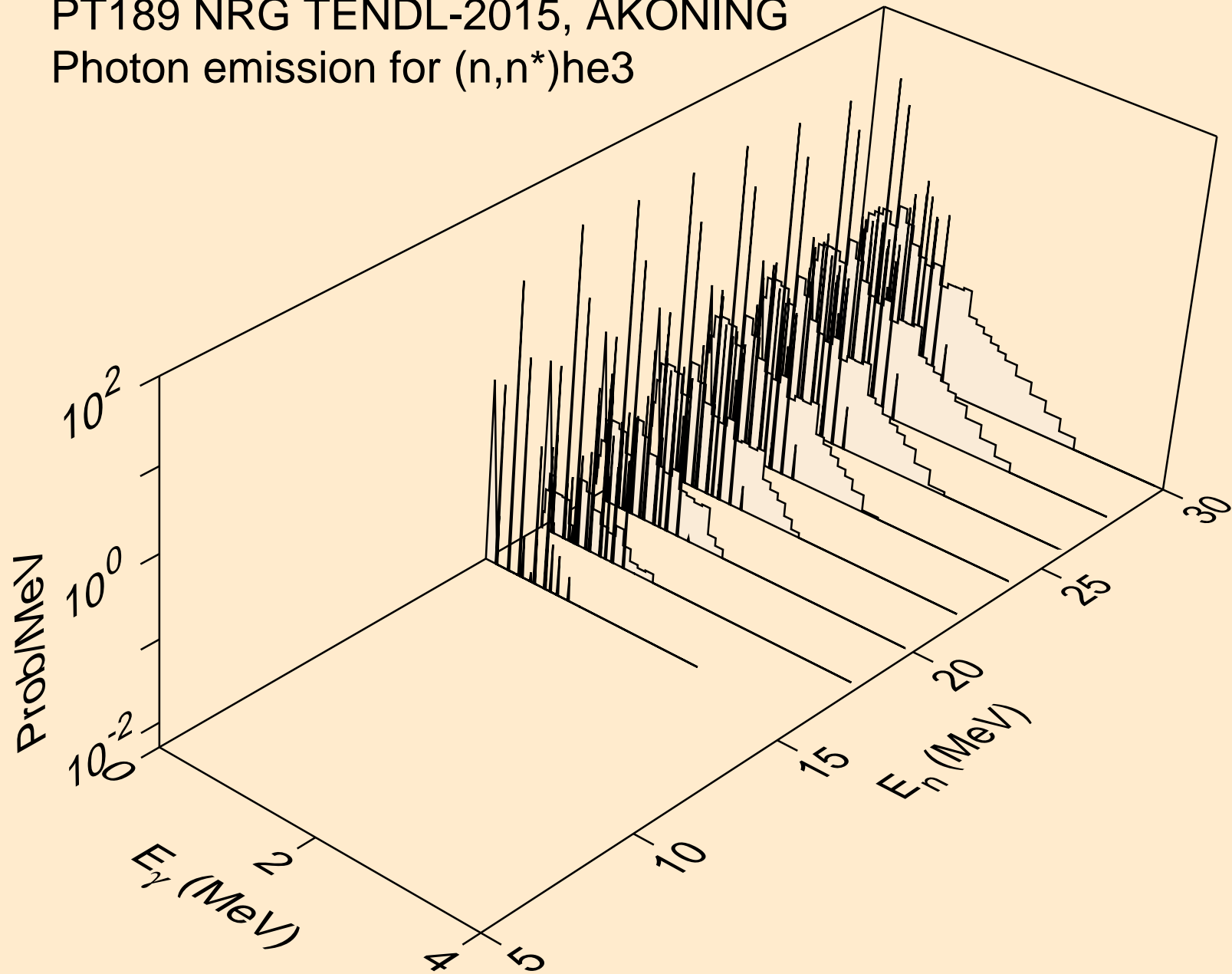
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



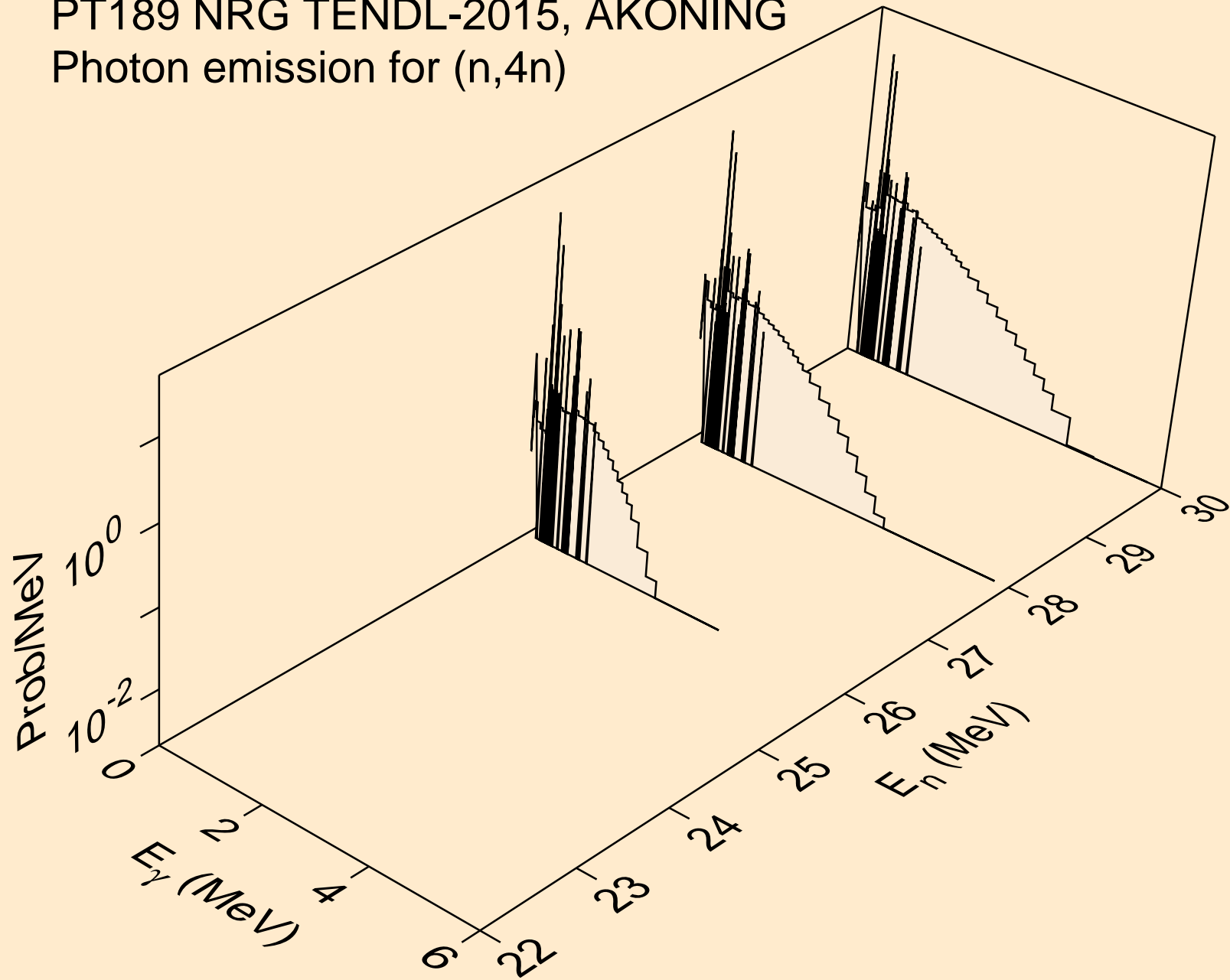
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

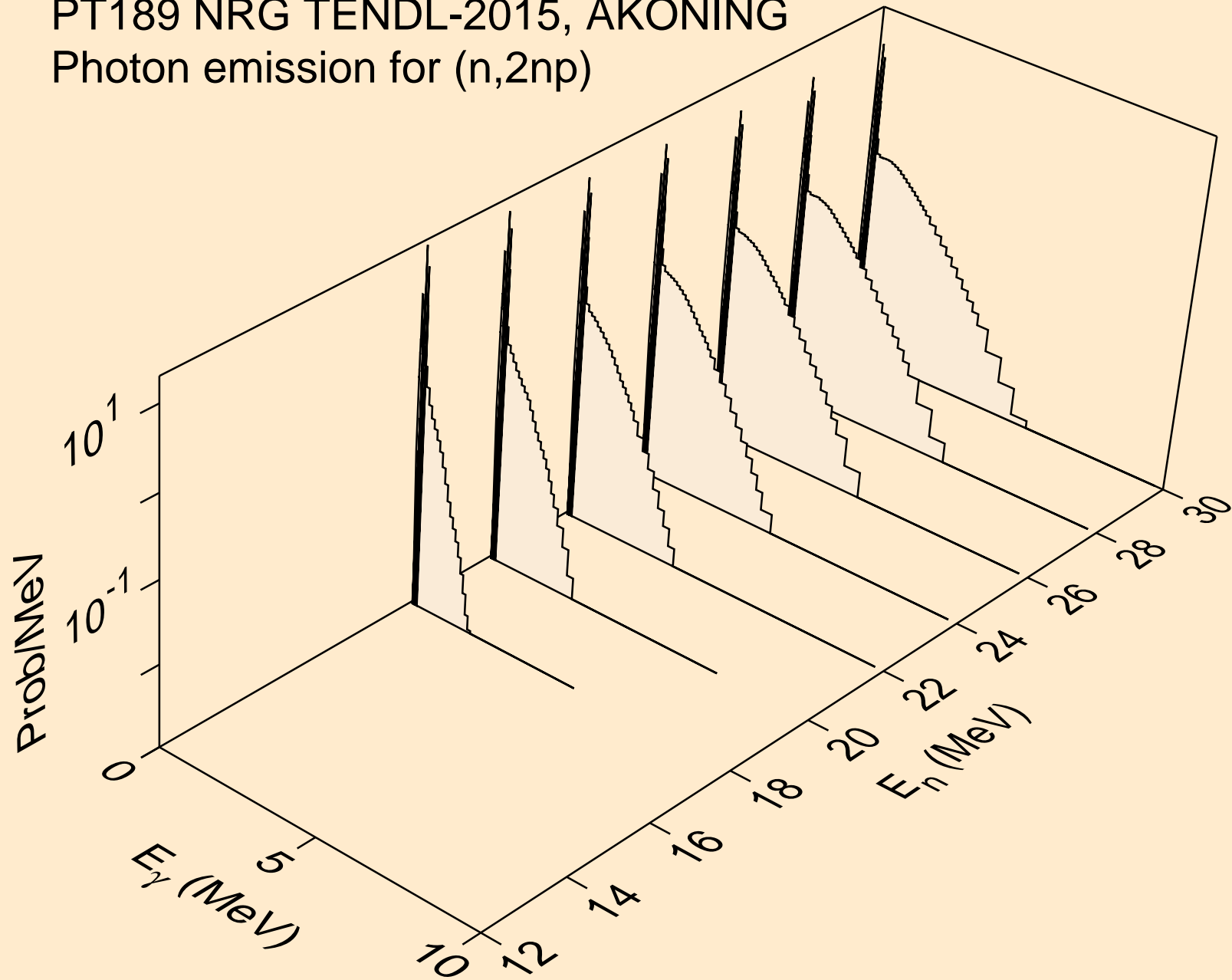


PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

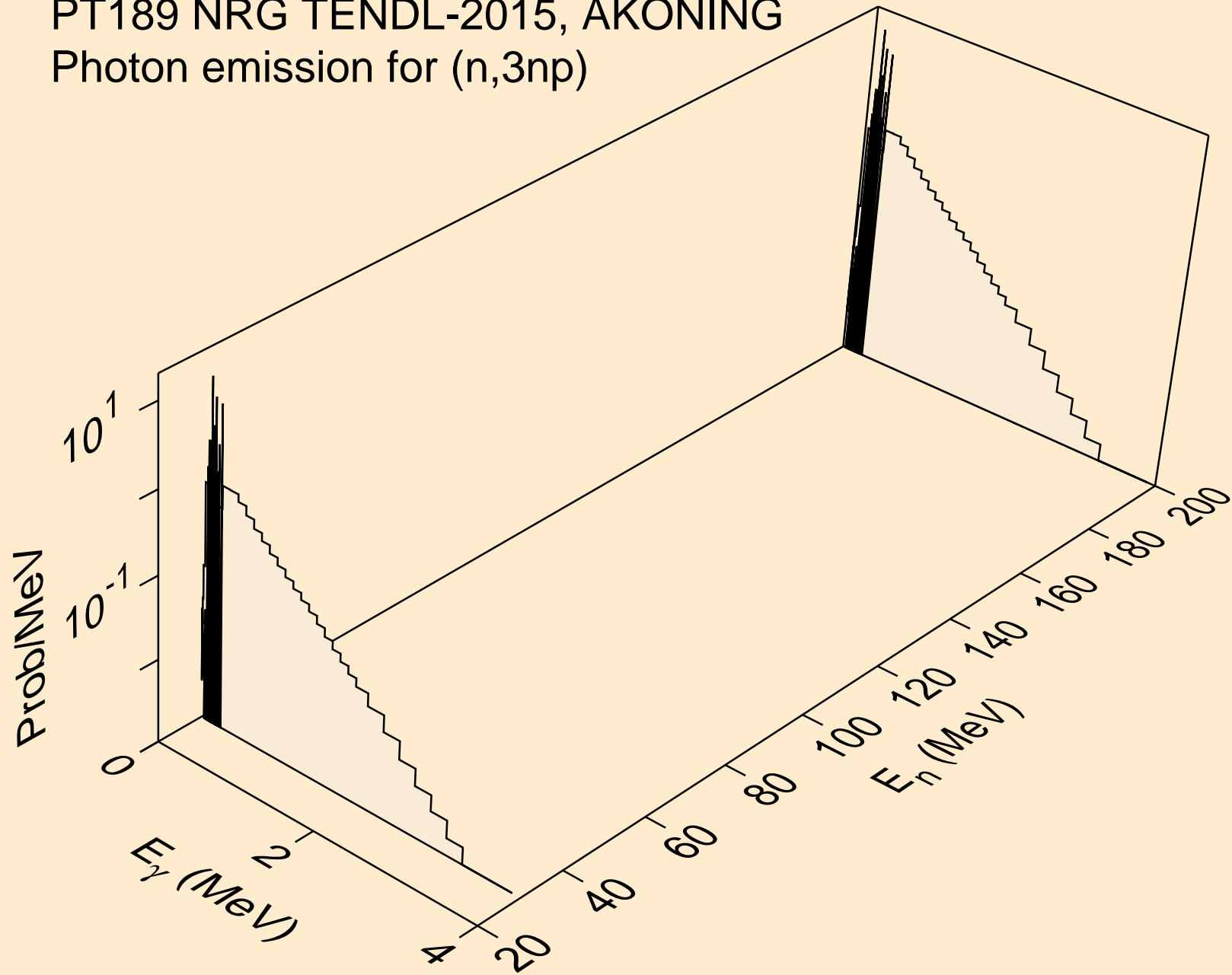




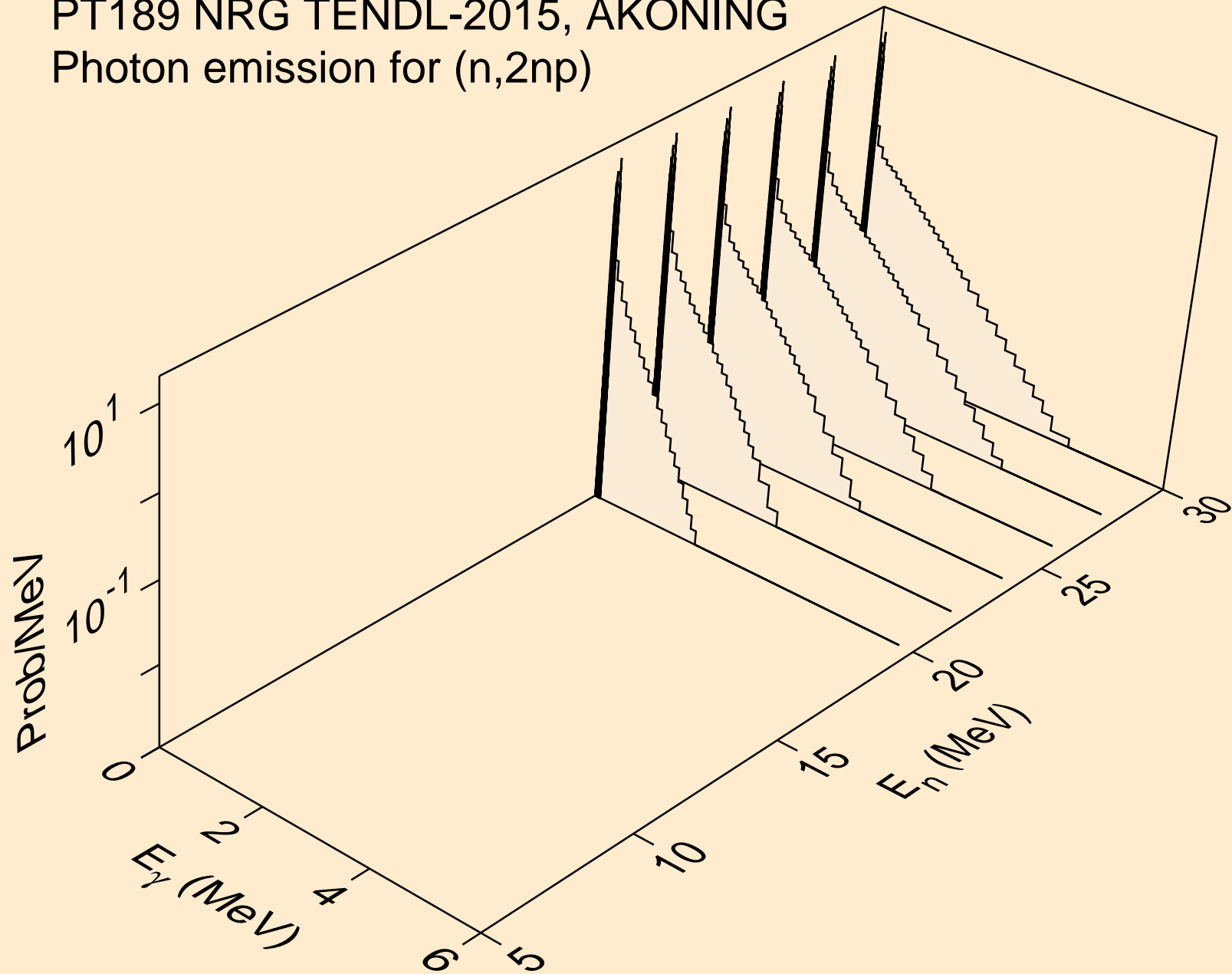
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



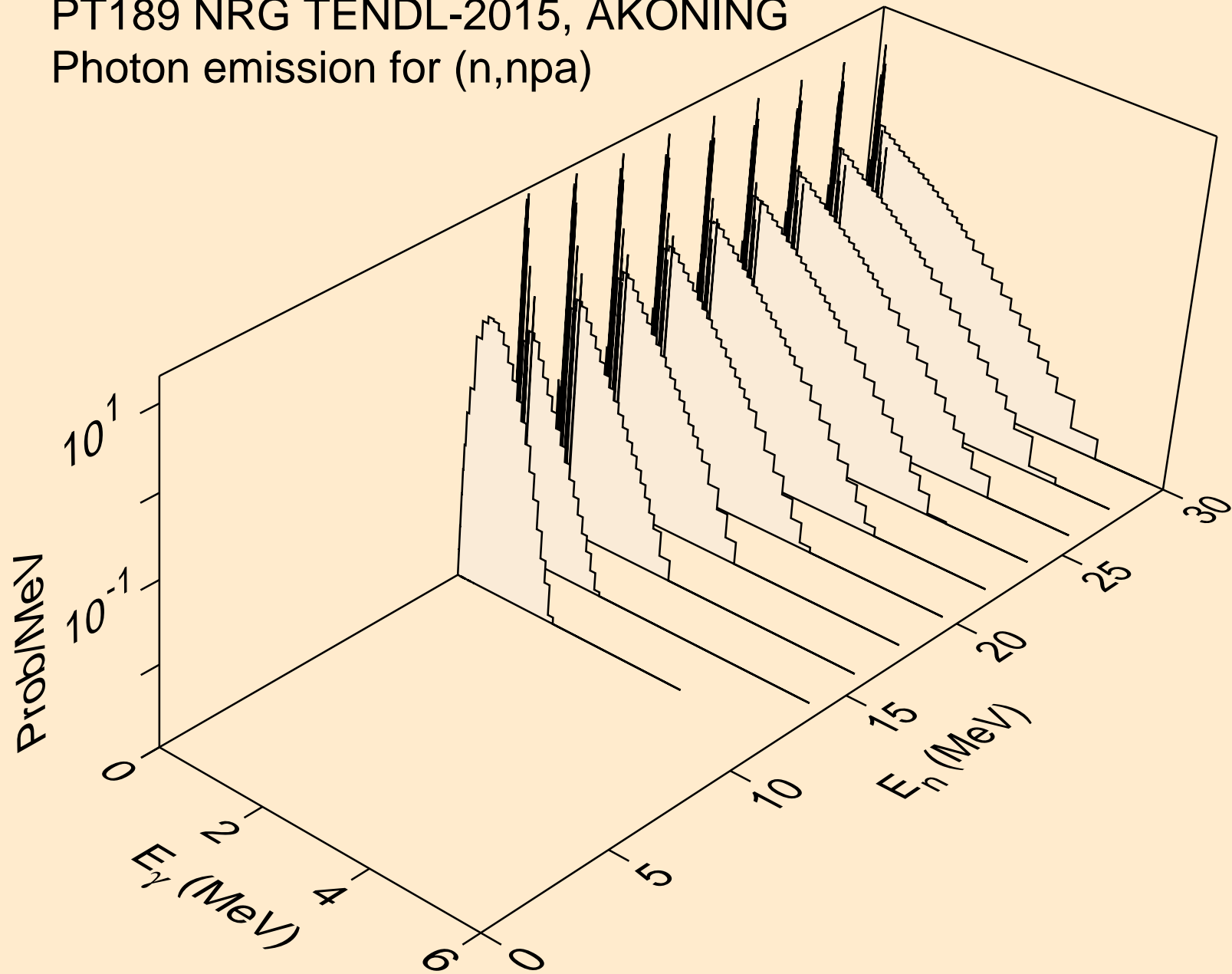
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



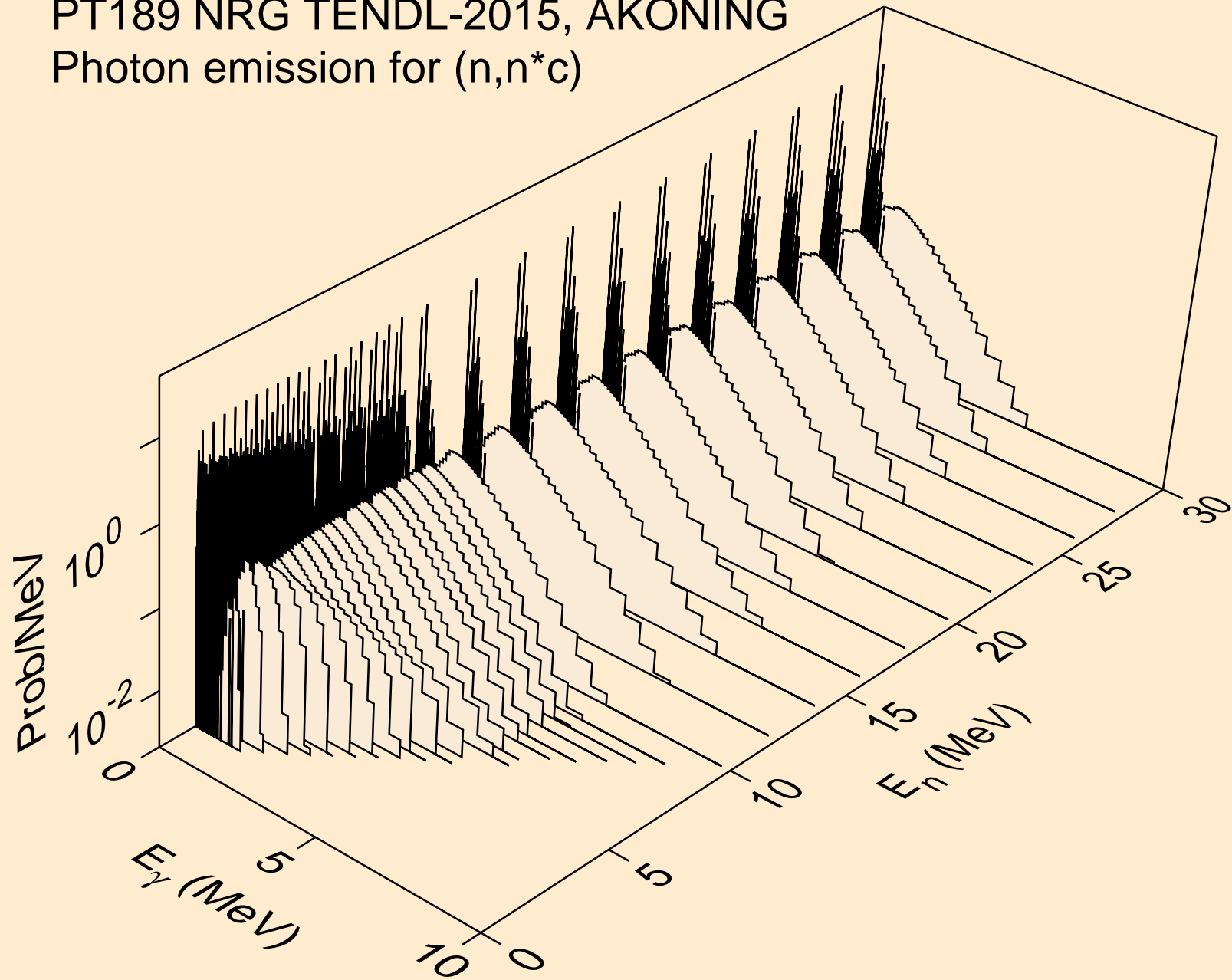
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



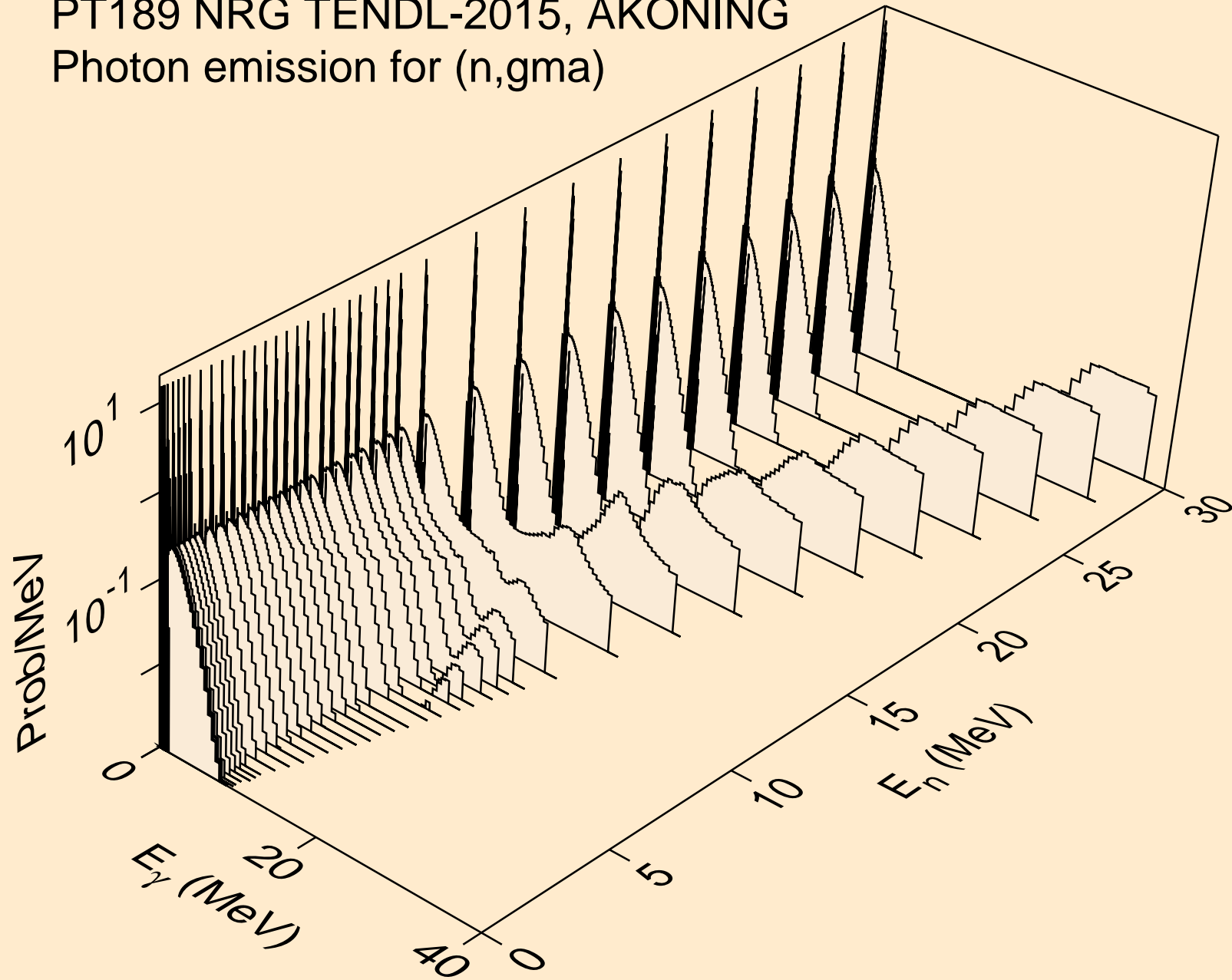
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



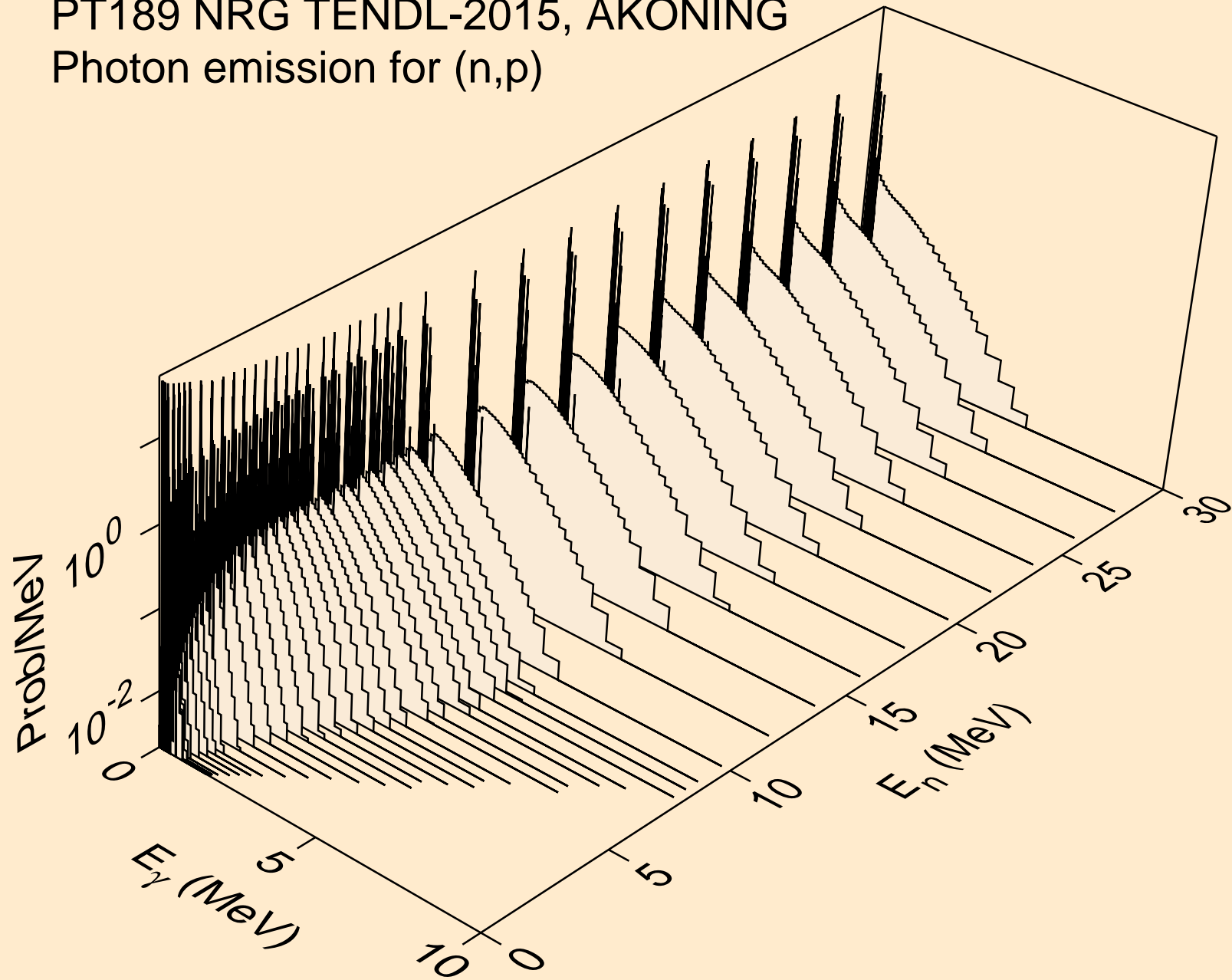
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



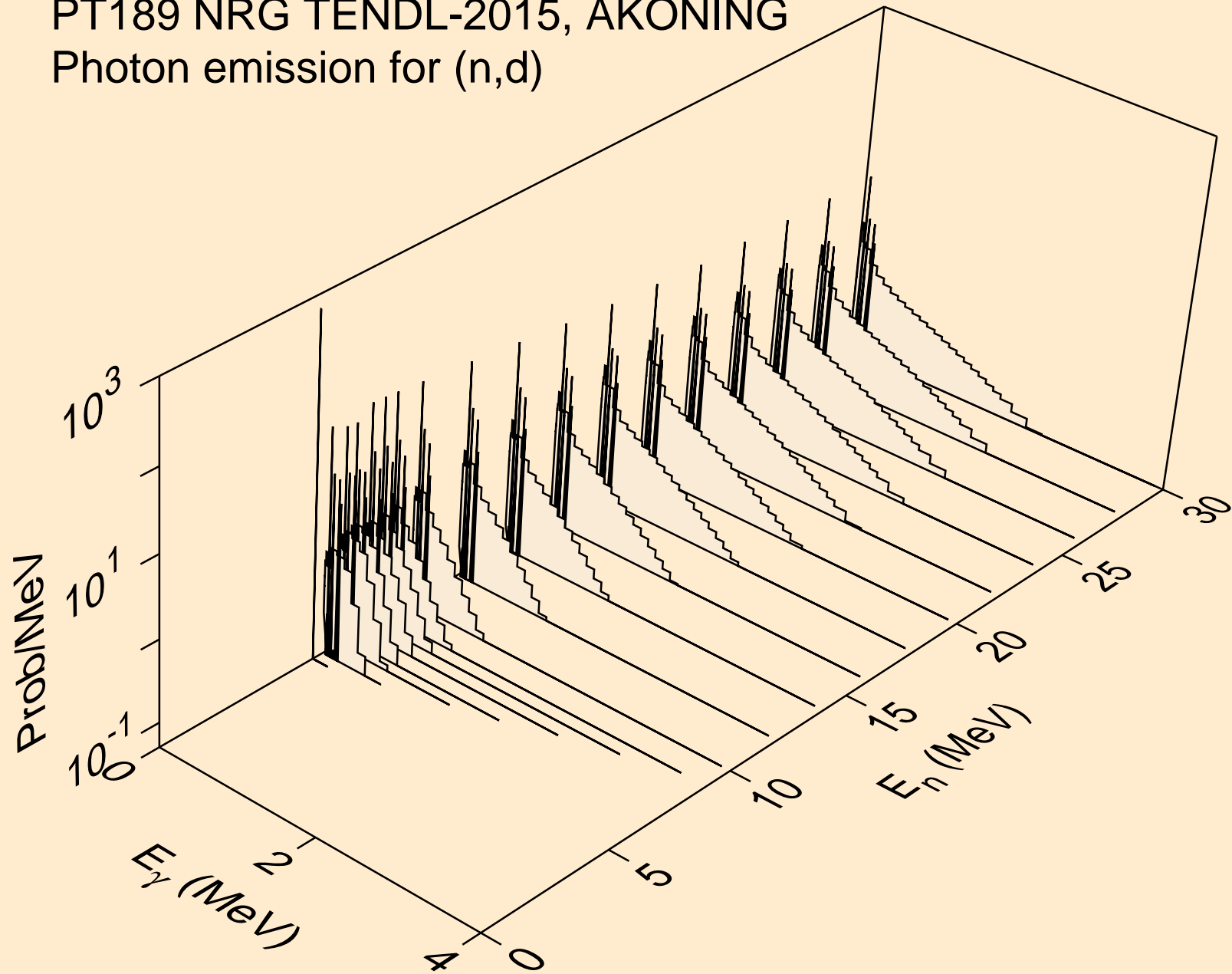
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

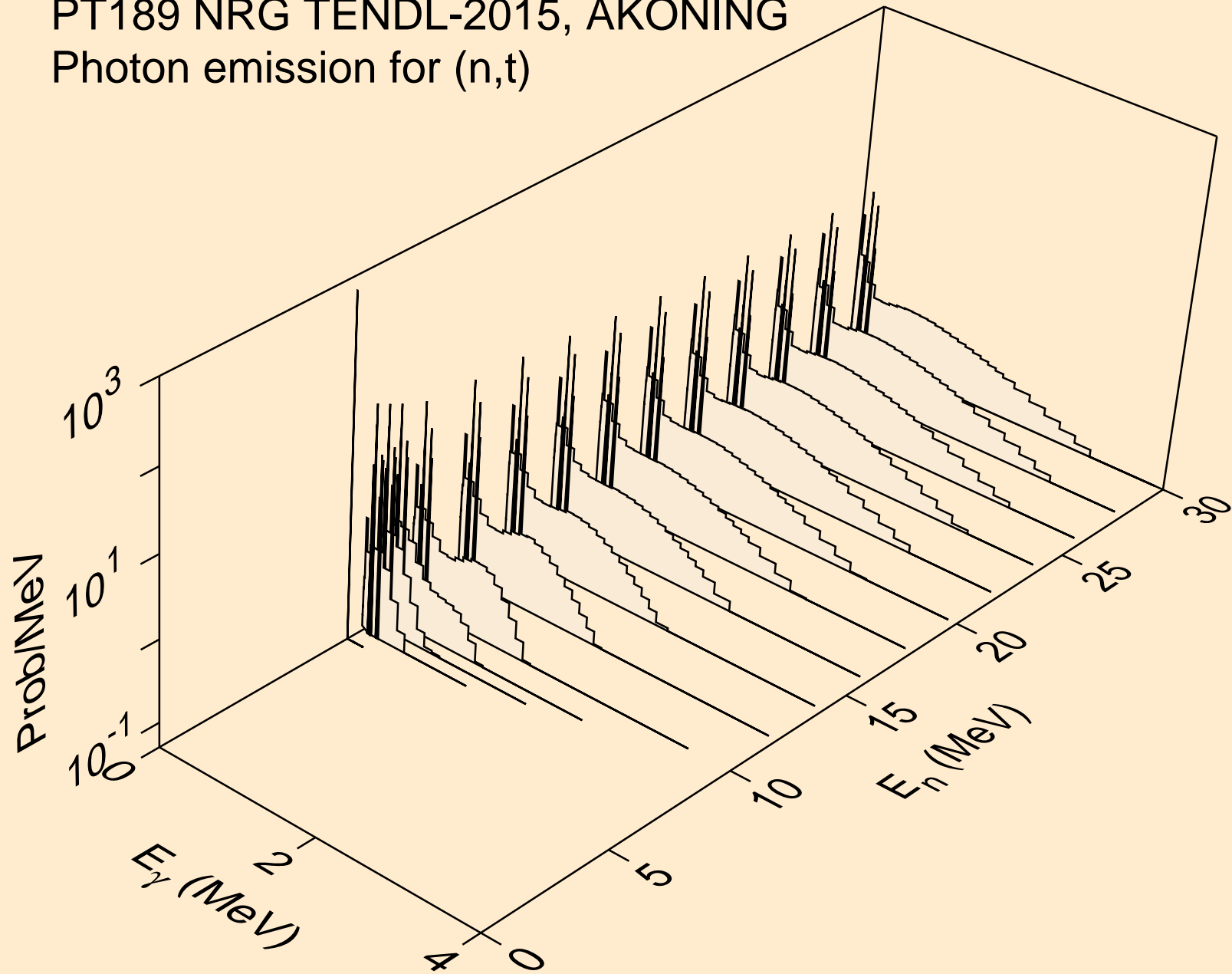


PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

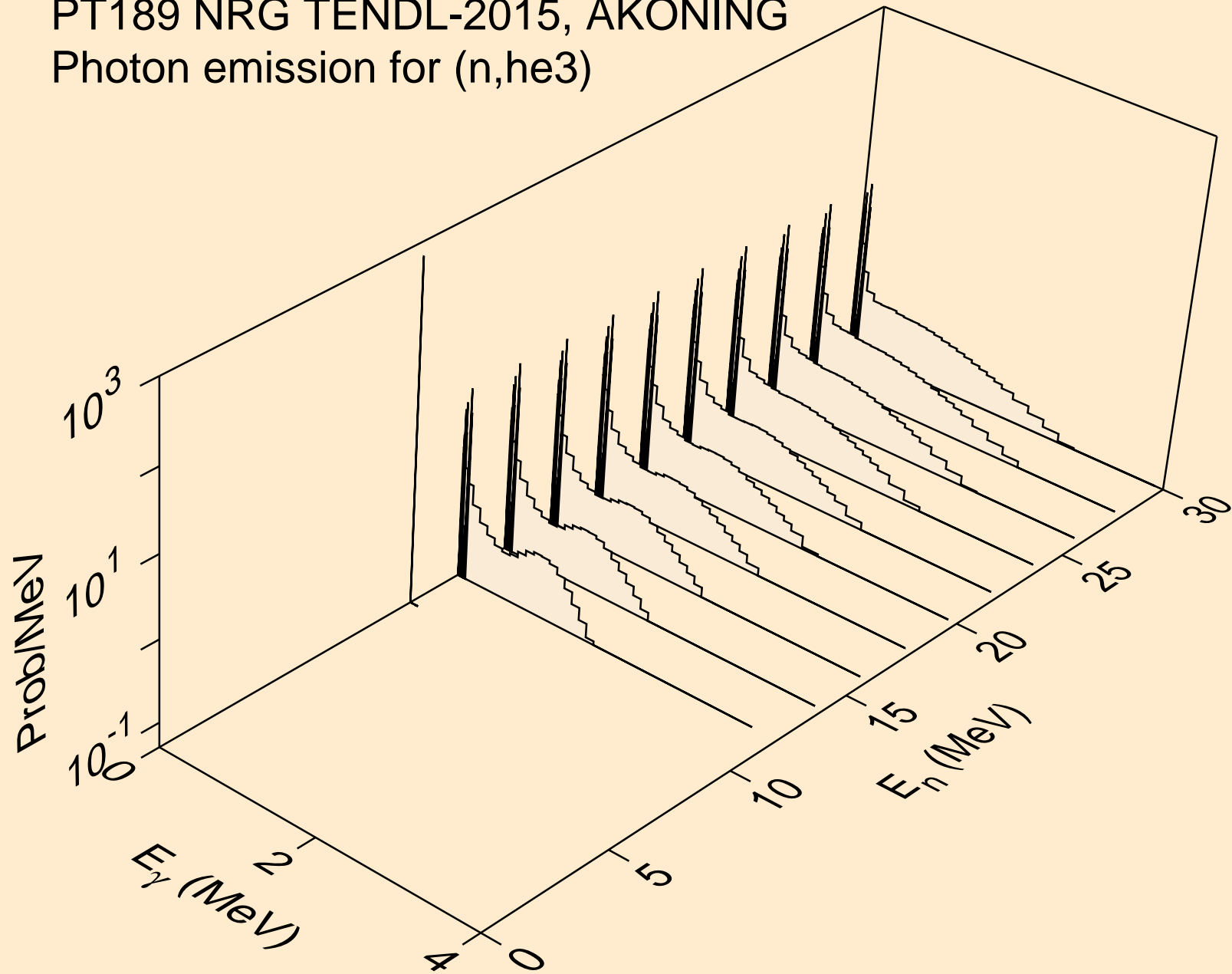




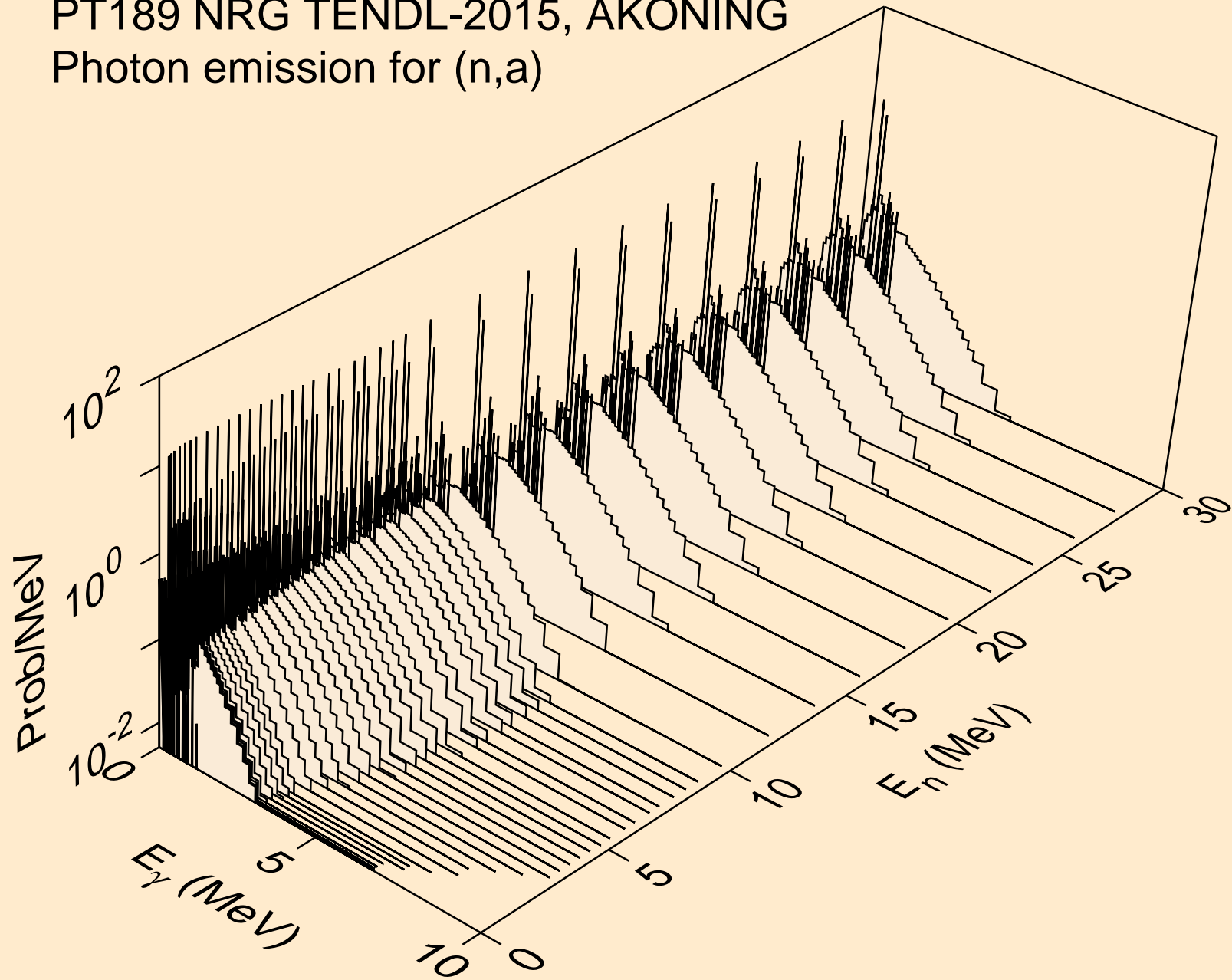
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



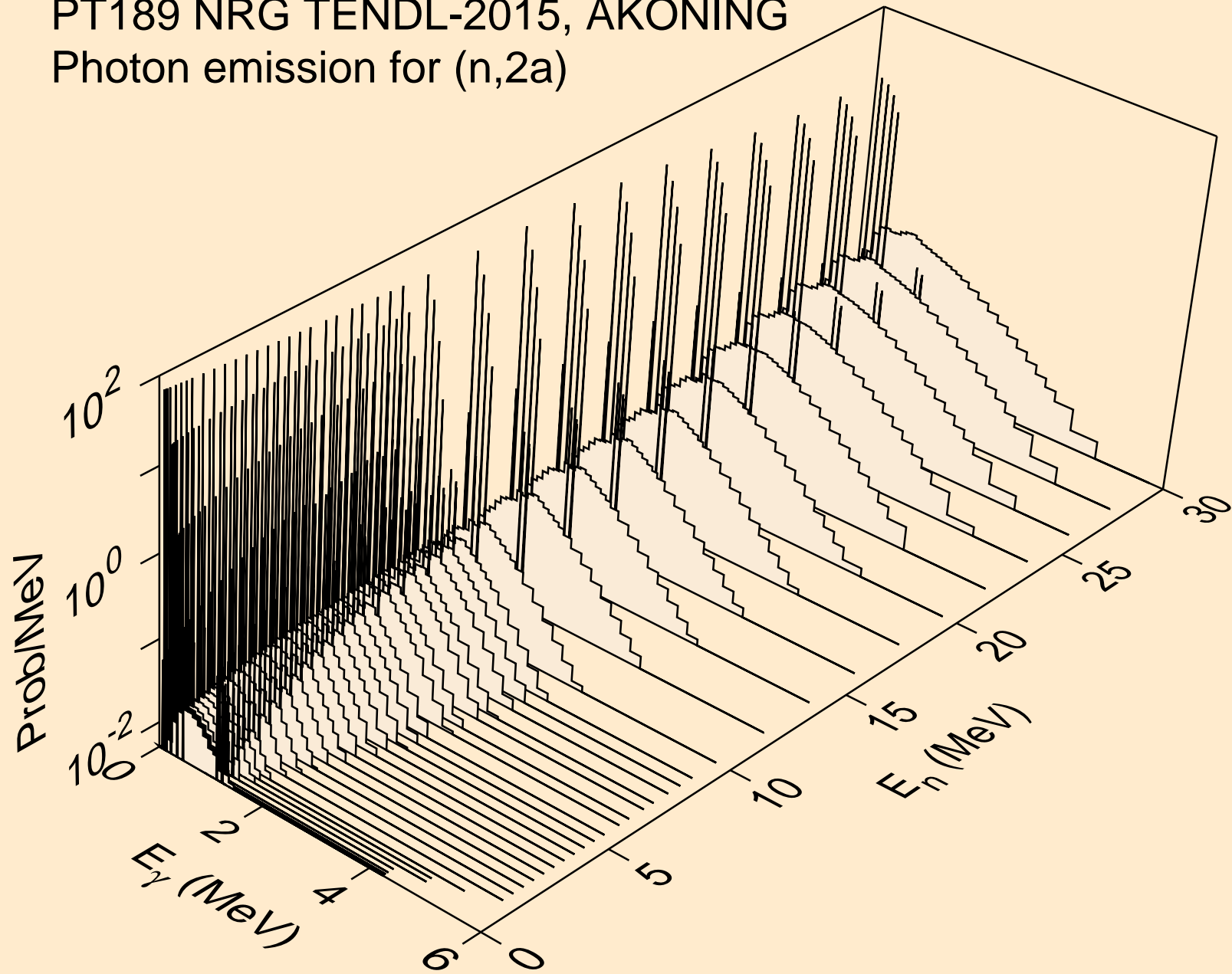
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



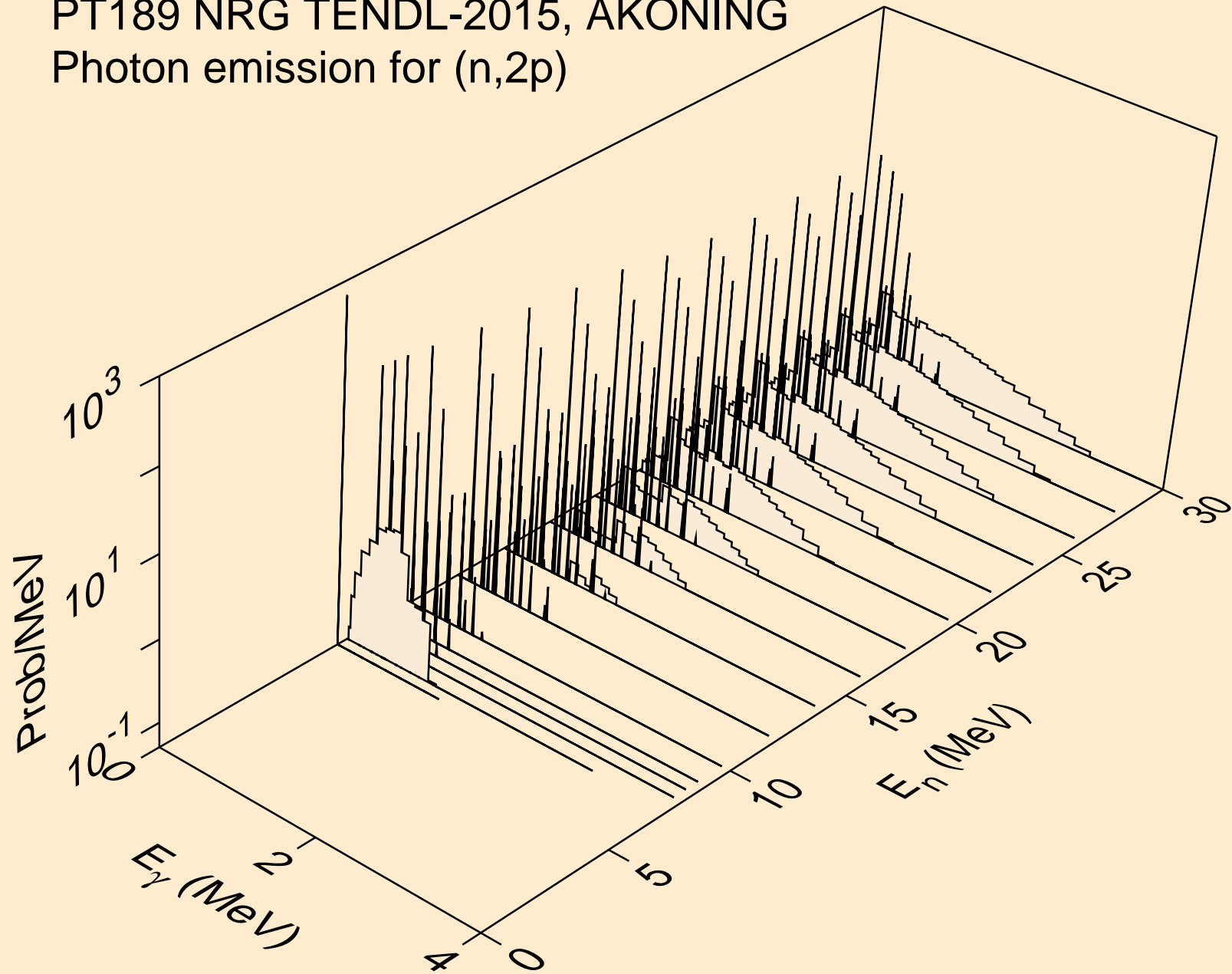
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



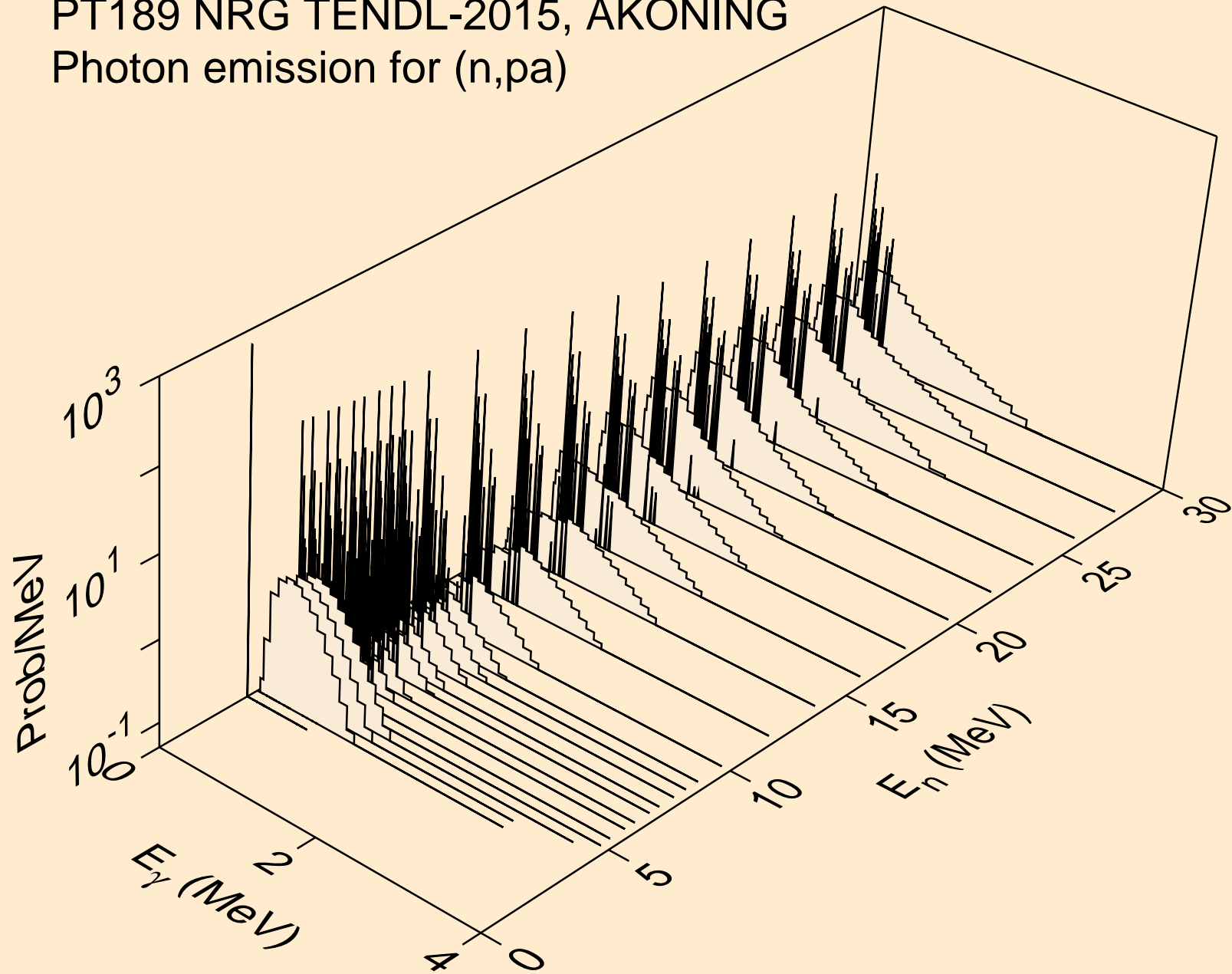
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



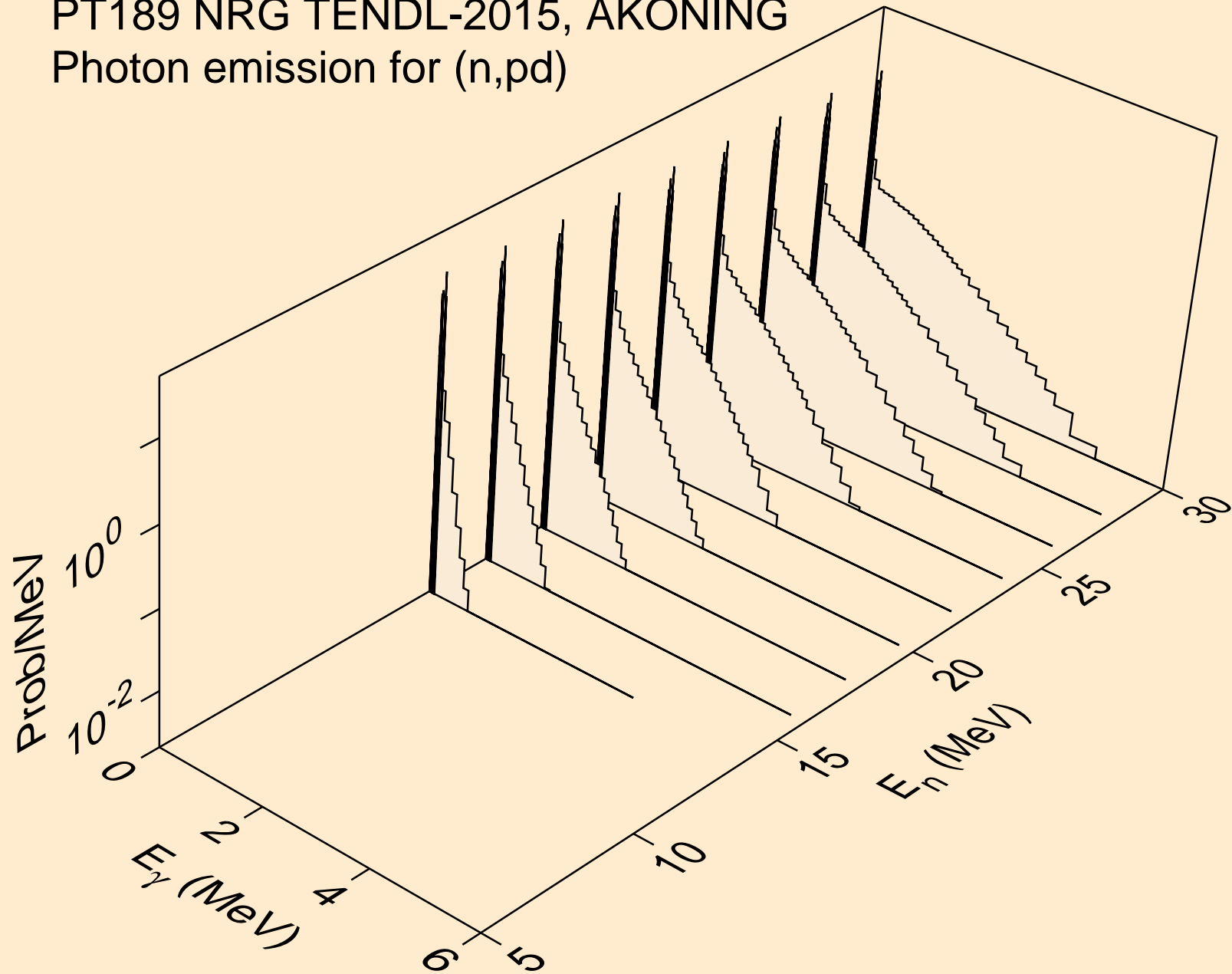
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



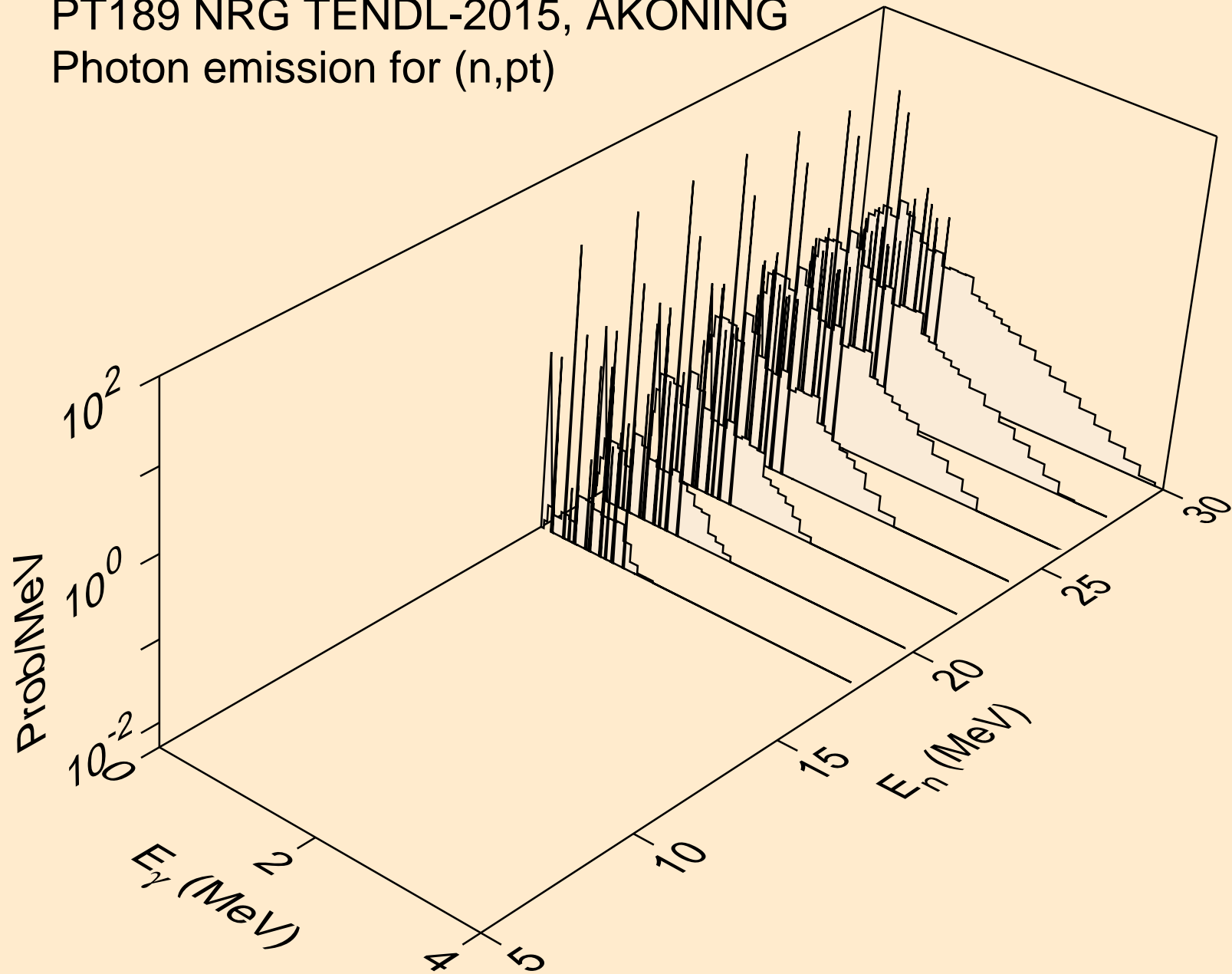
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

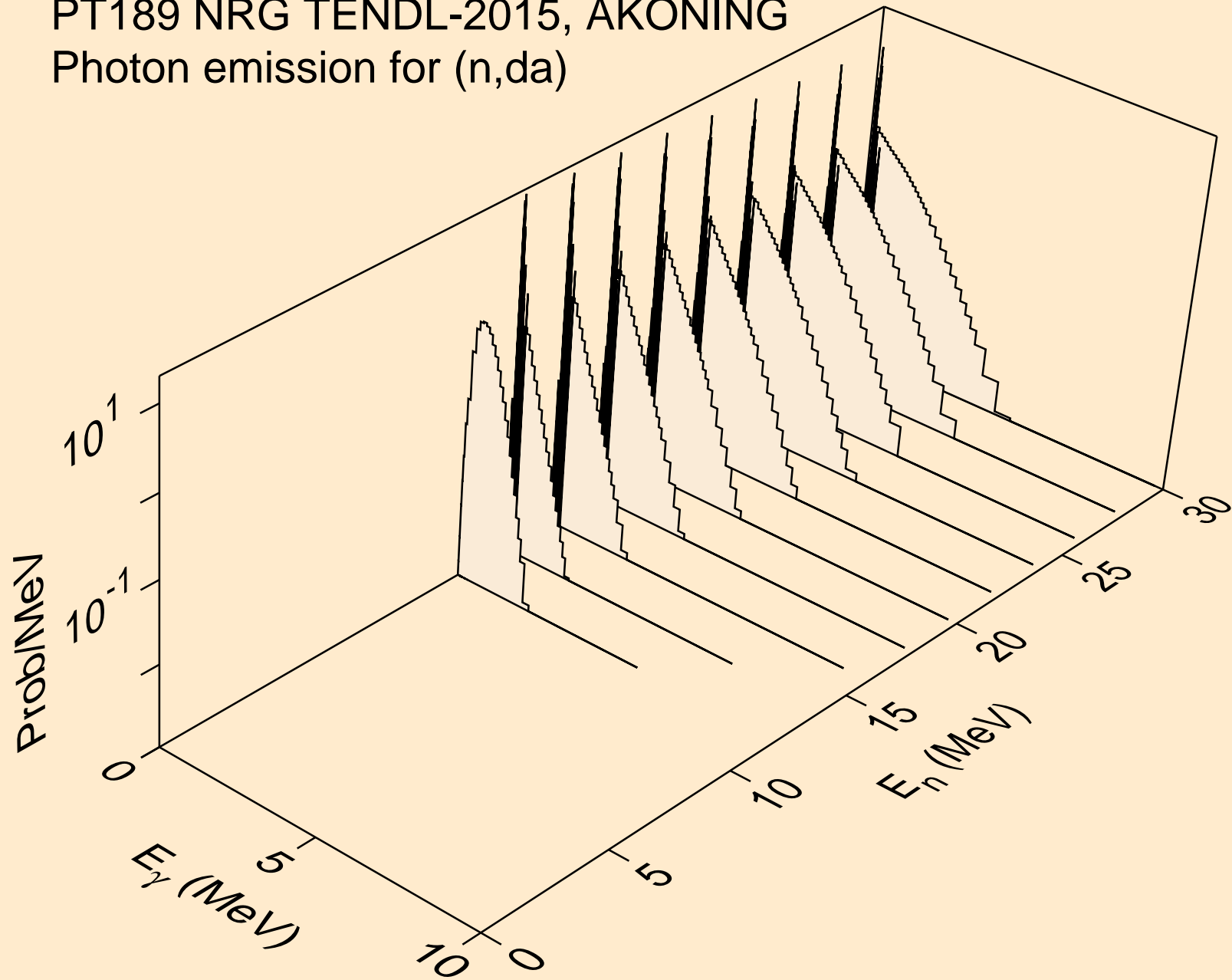


PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

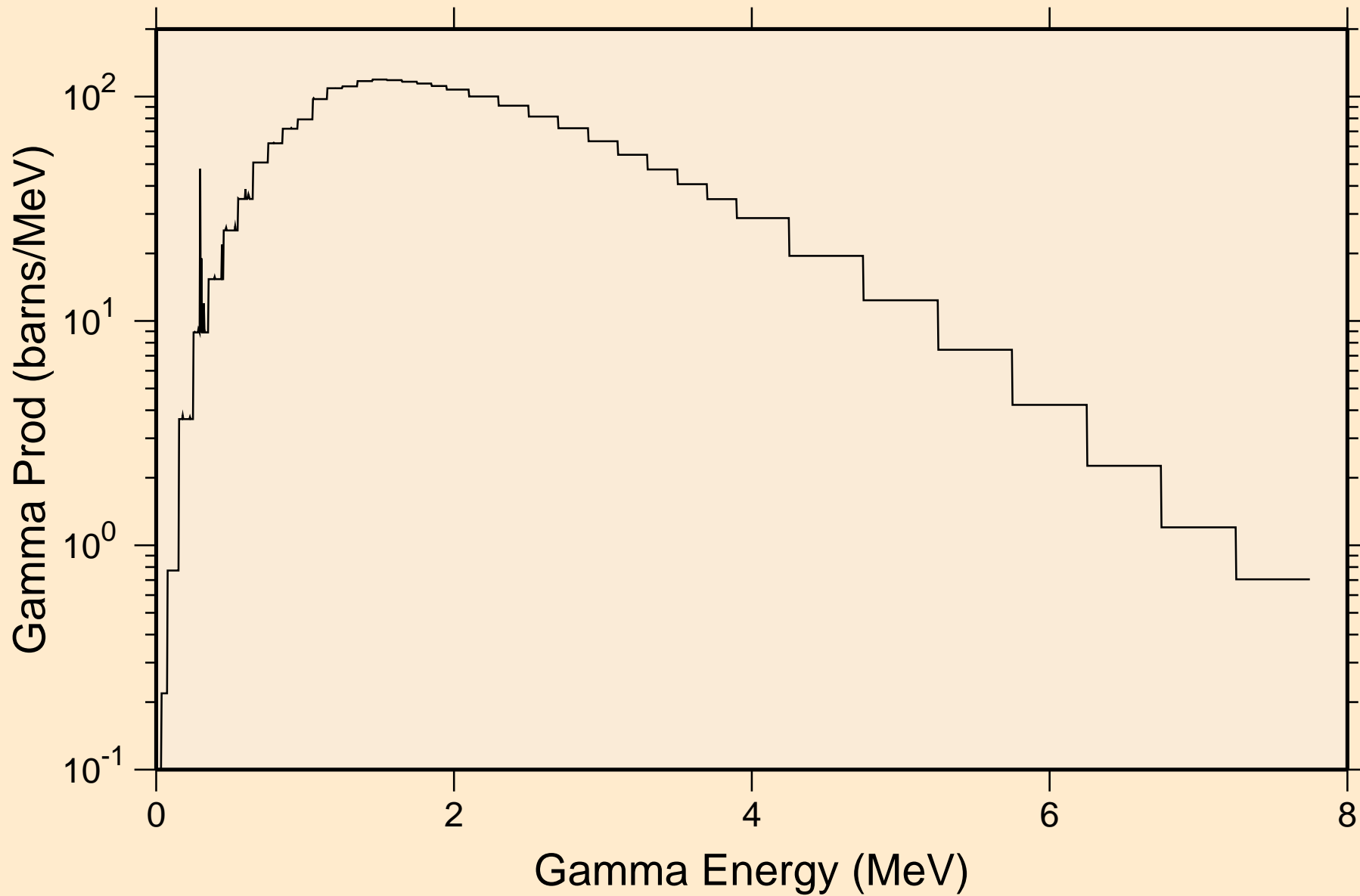




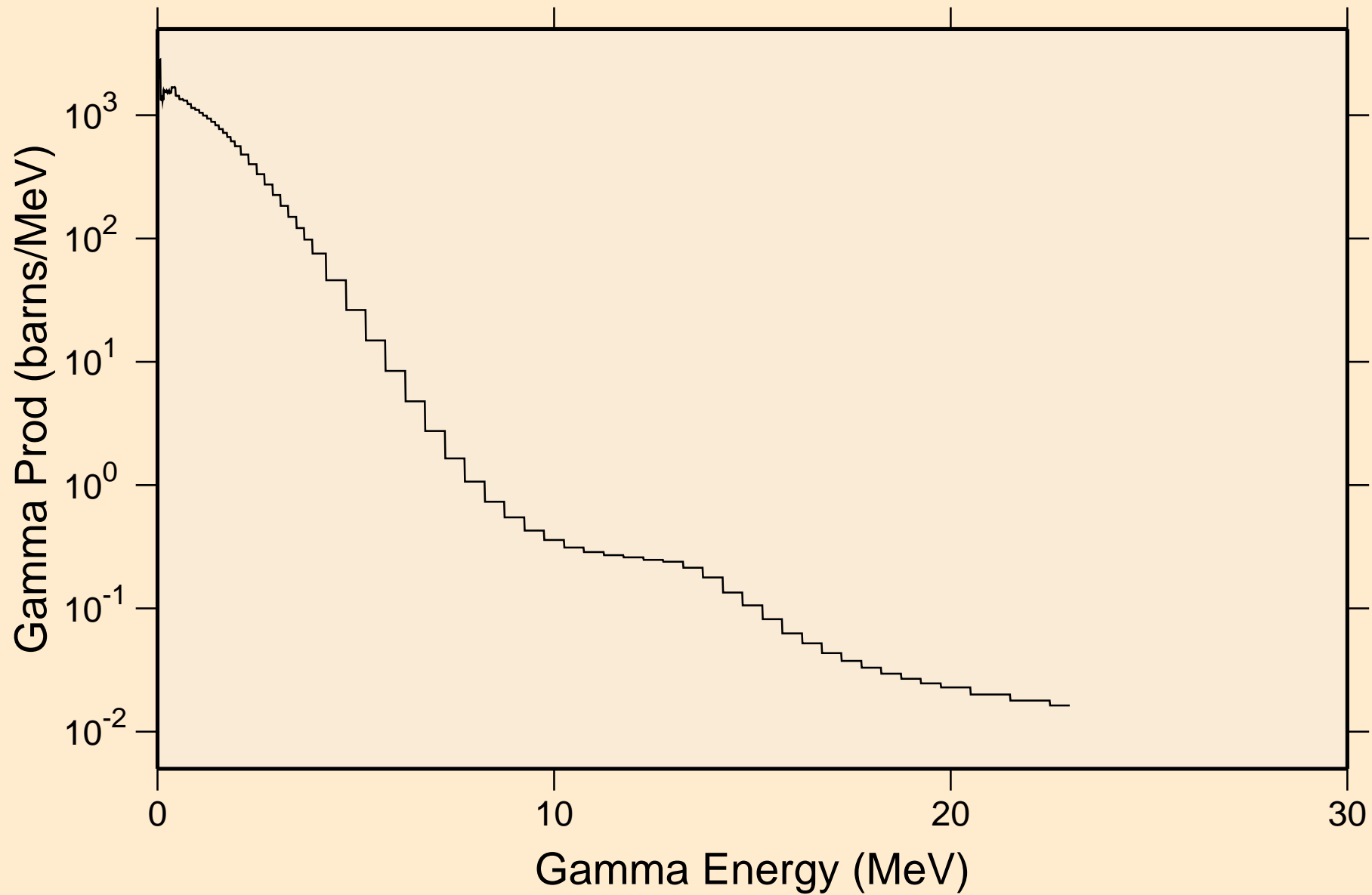
PT189 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



PT189 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

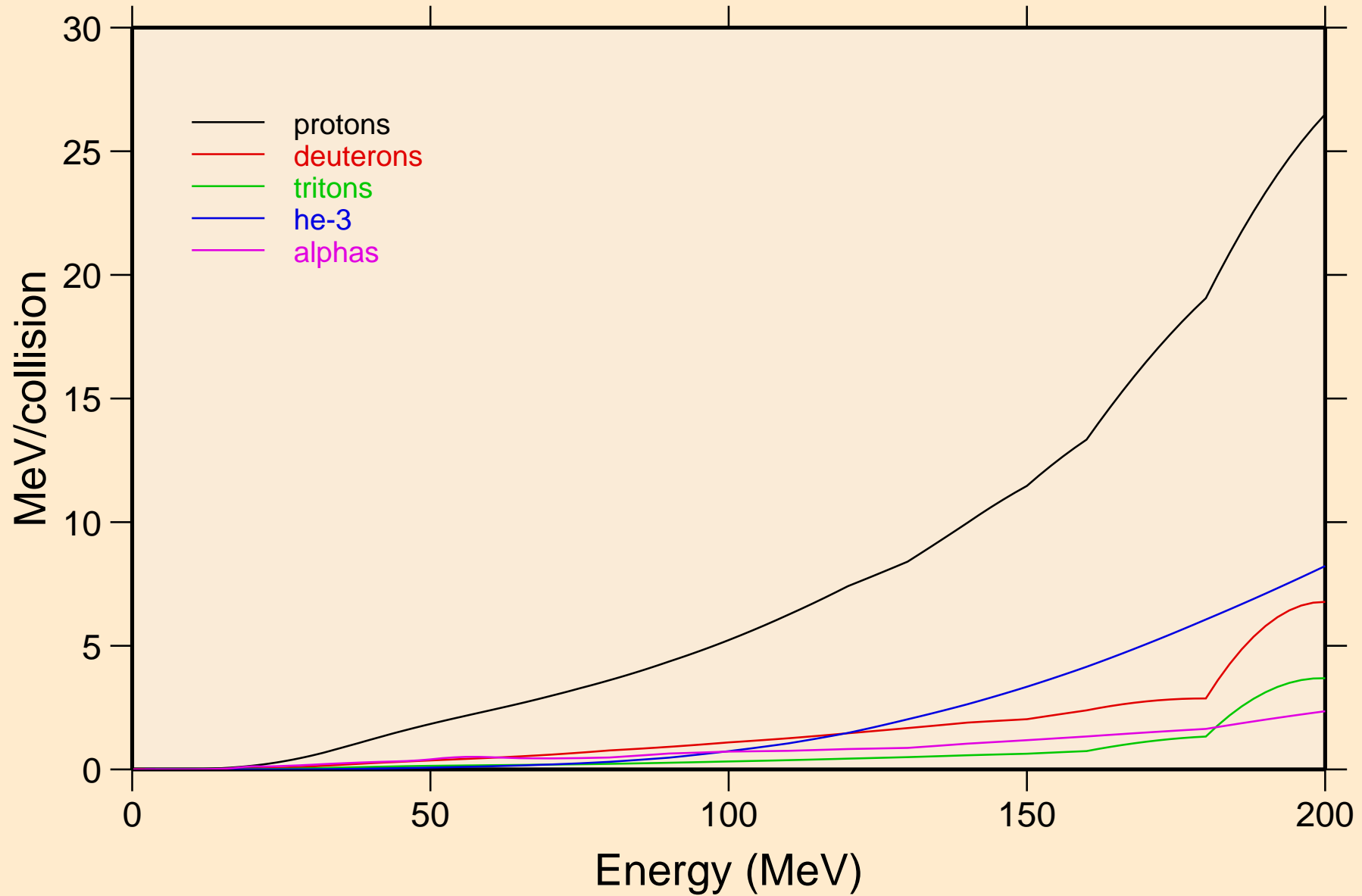


PT189 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



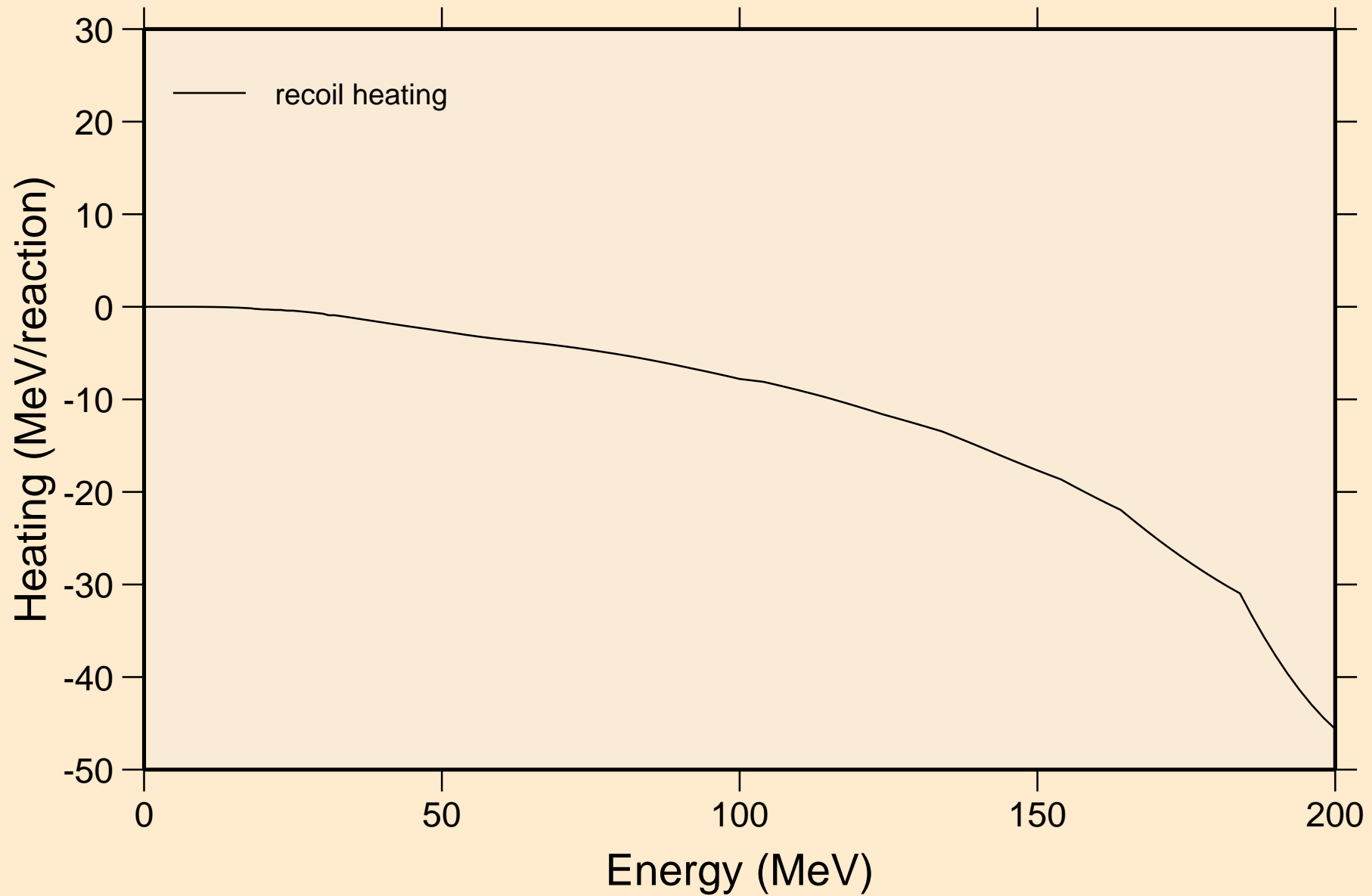
# PT189 NRG TENDL-2015, AKONING

## Particle heating contributions

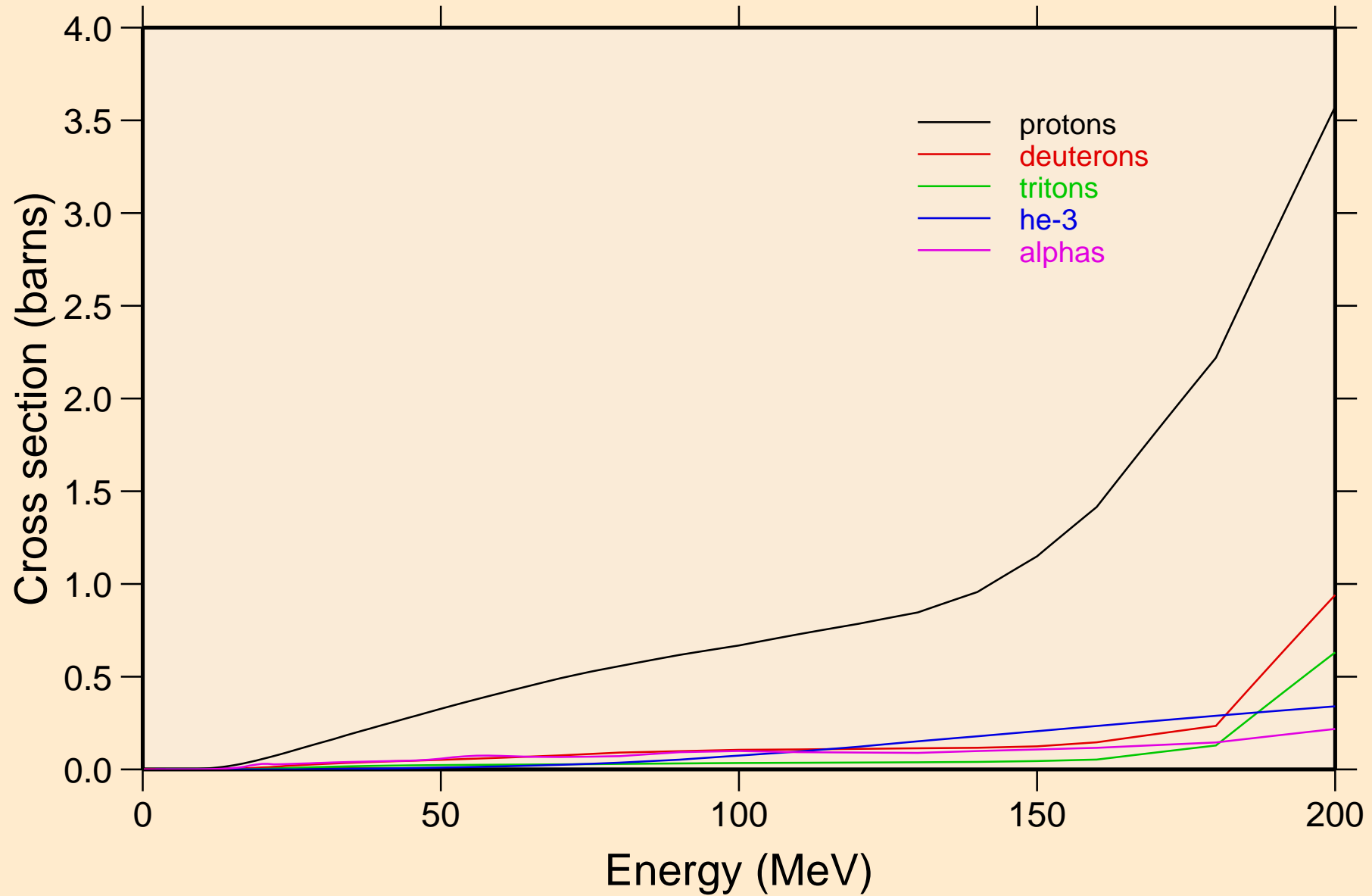


# PT189 NRG TENDL-2015, AKONING

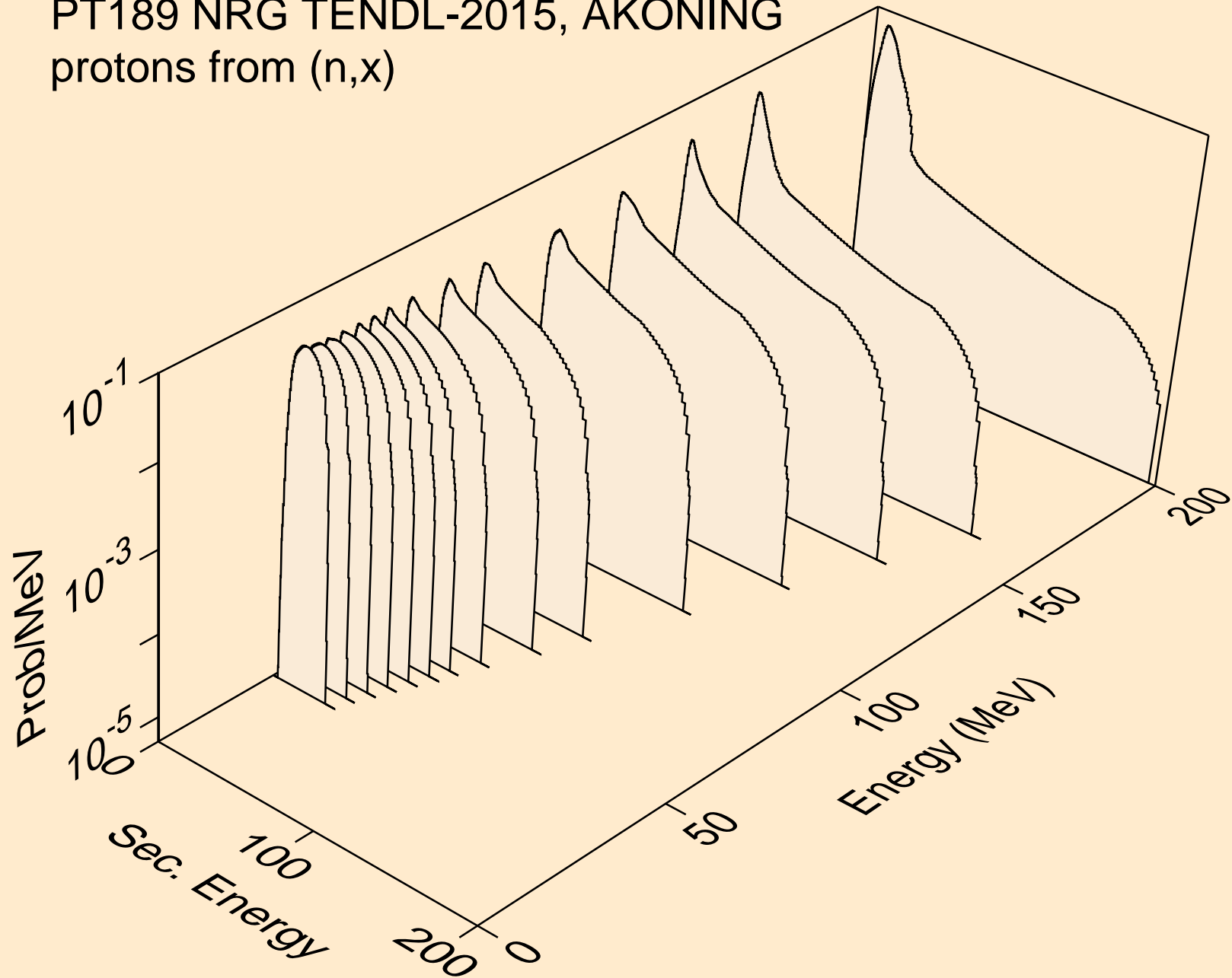
## Recoil Heating



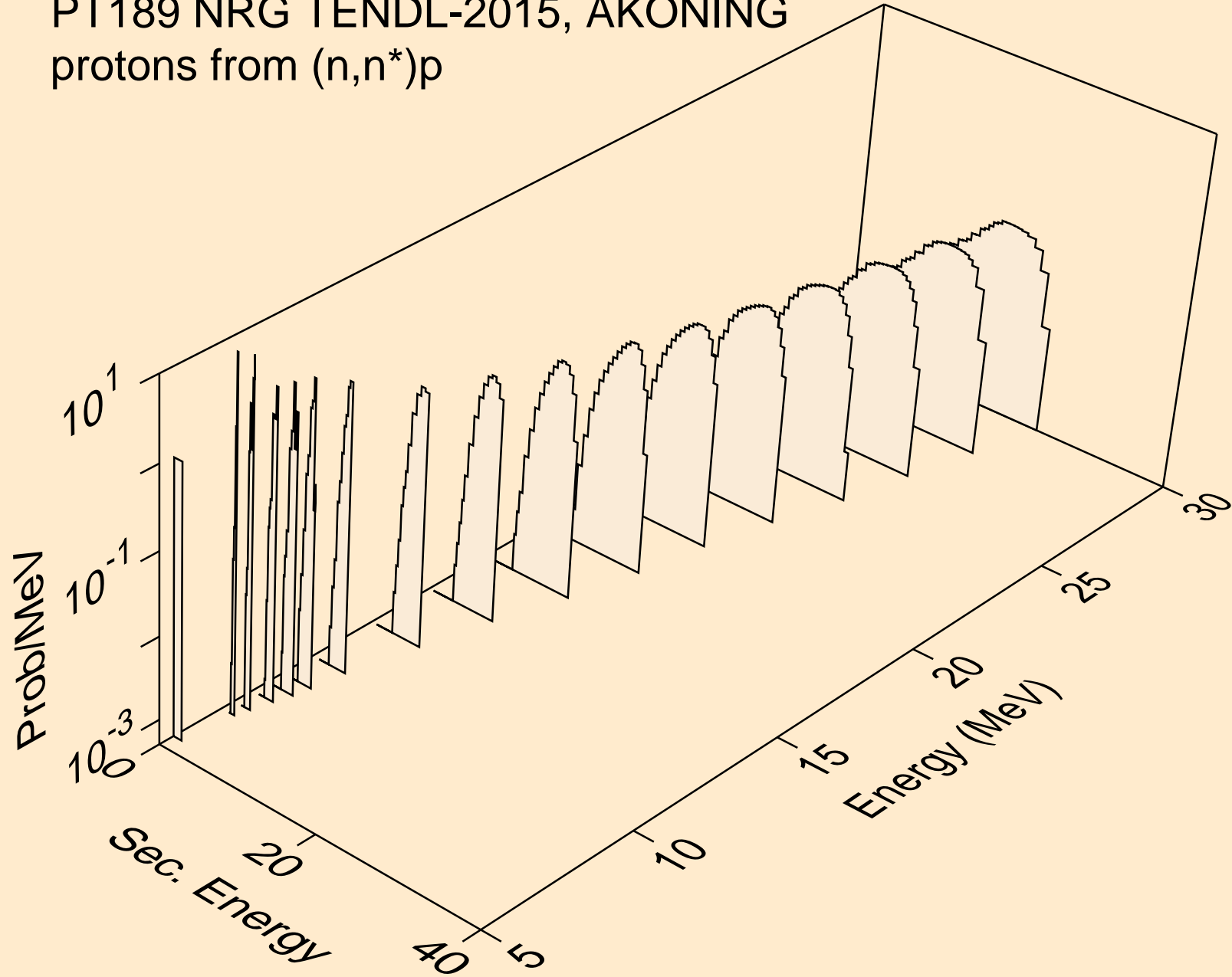
PT189 NRG TENDL-2015, AKONING  
Particle production cross sections



PT189 NRG TENDL-2015, AKONING  
protons from (n,x)

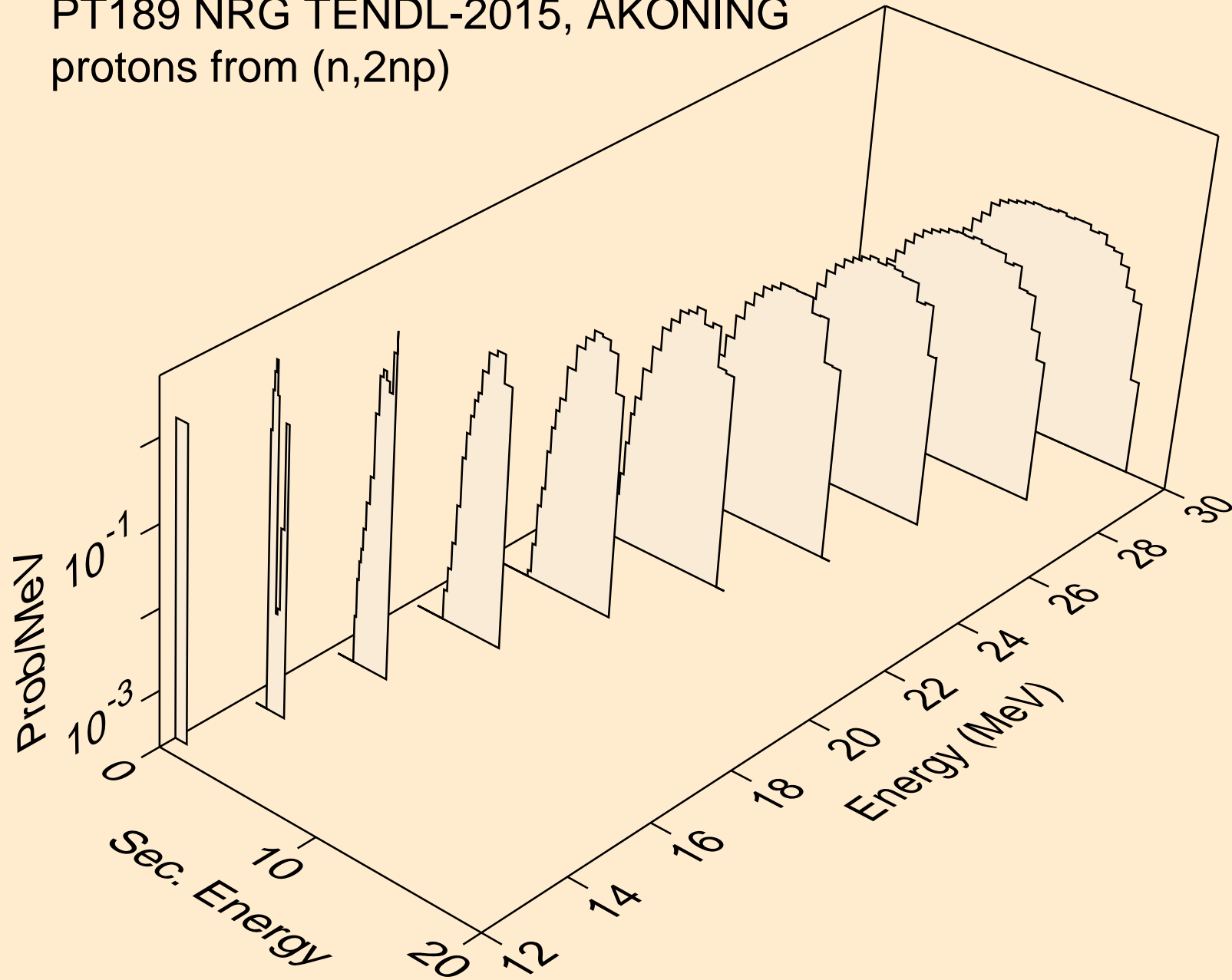


PT189 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

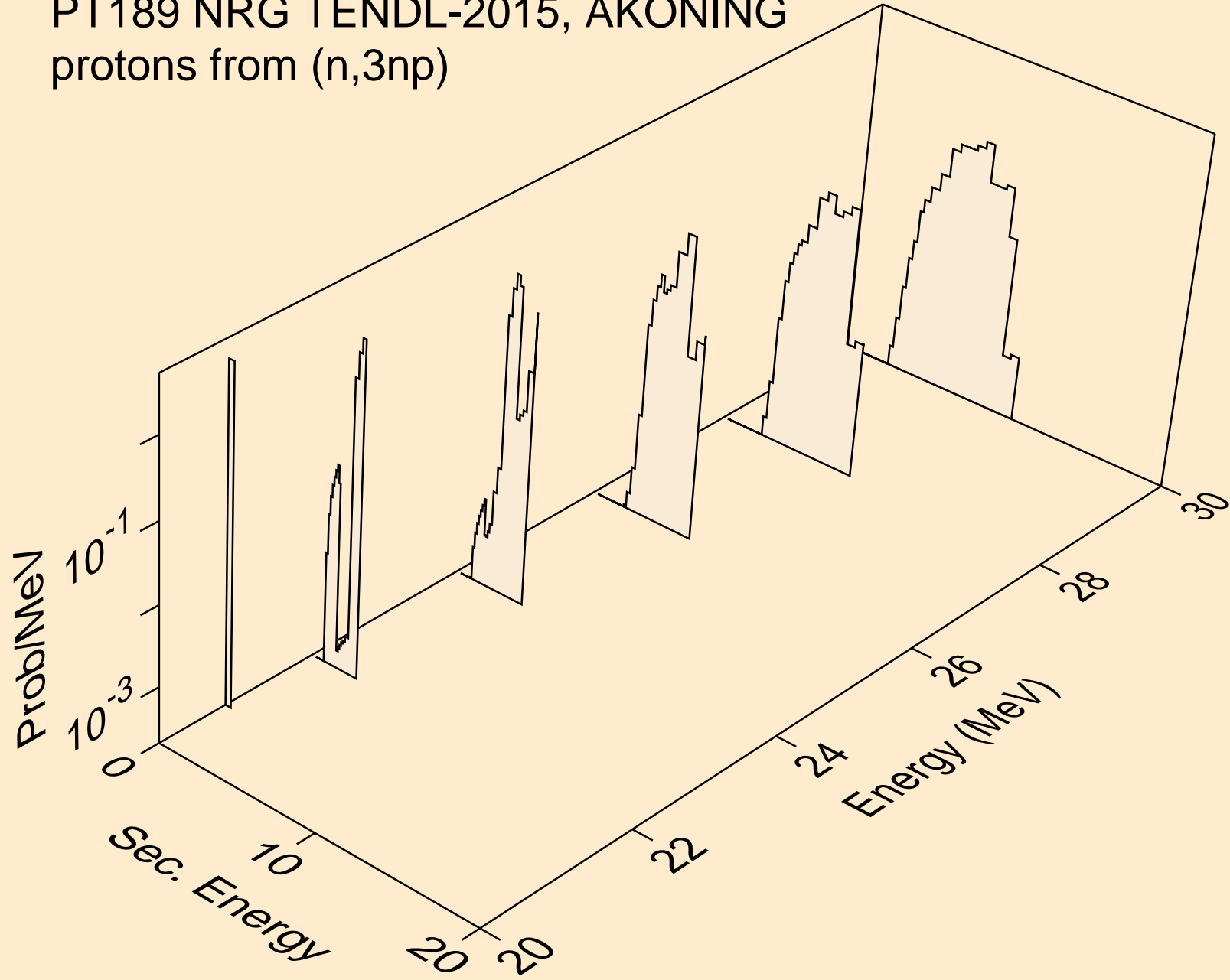




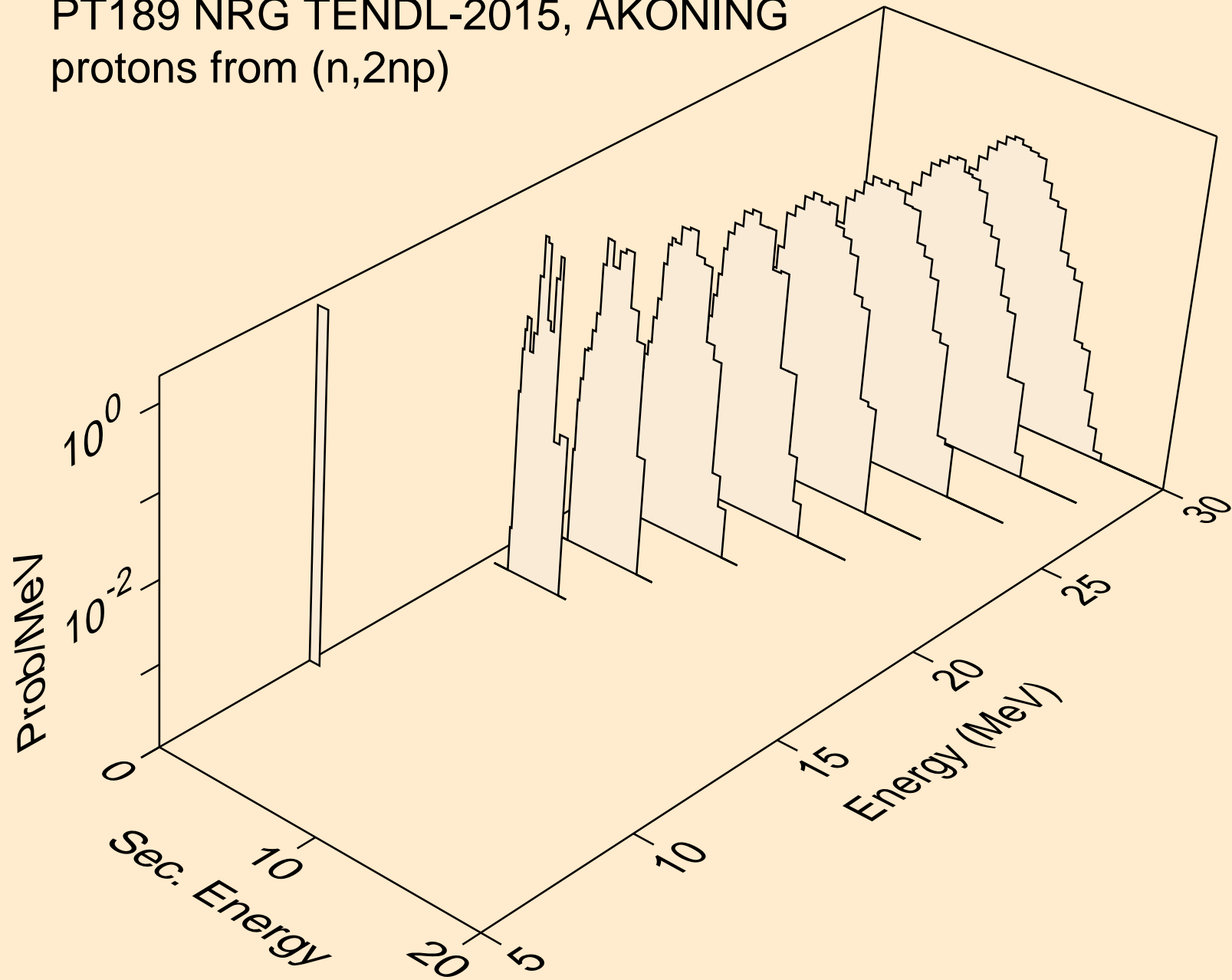
PT189 NRG TENDL-2015, AKONING  
protons from (n,2np)



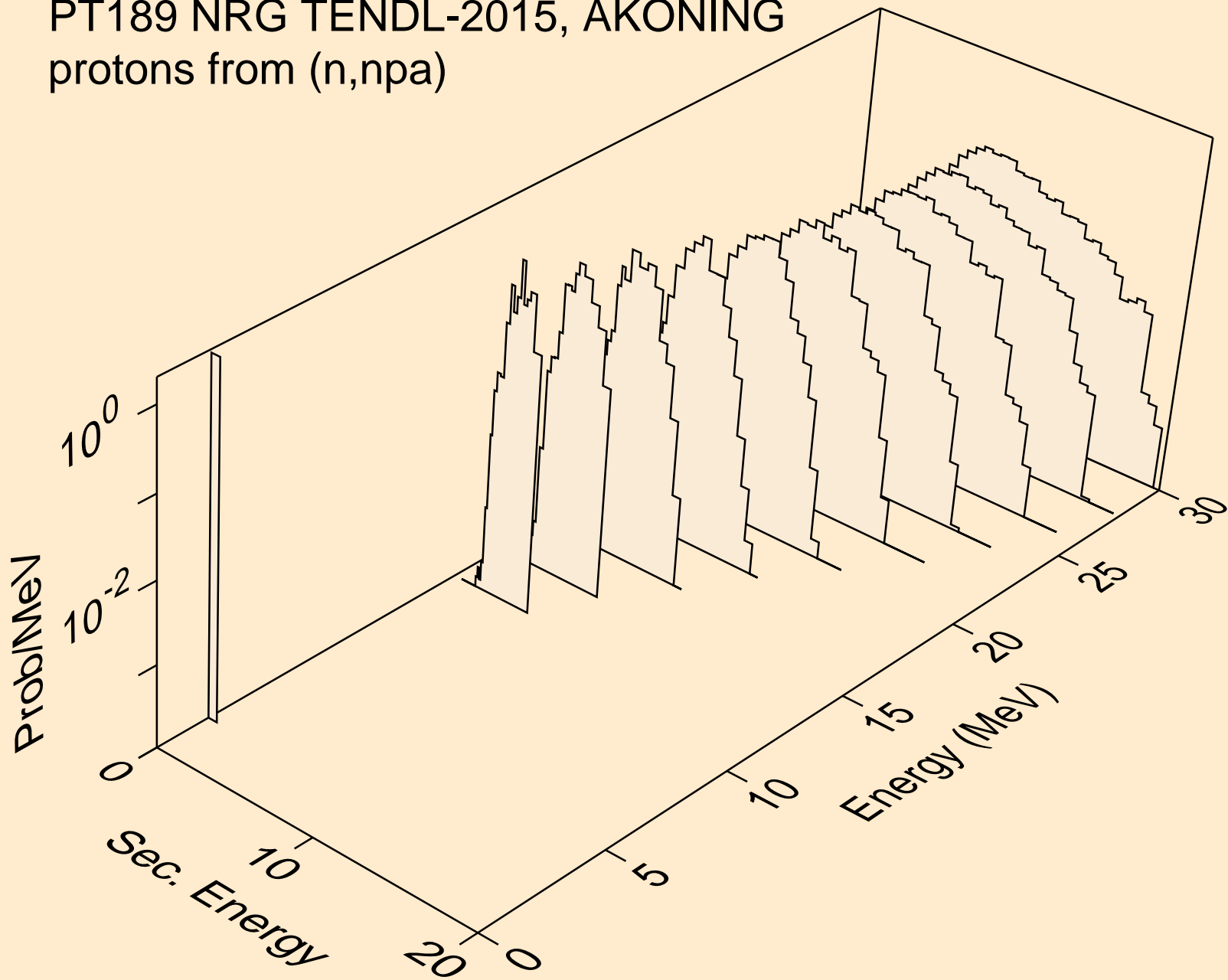
PT189 NRG TENDL-2015, AKONING  
protons from (n,3np)



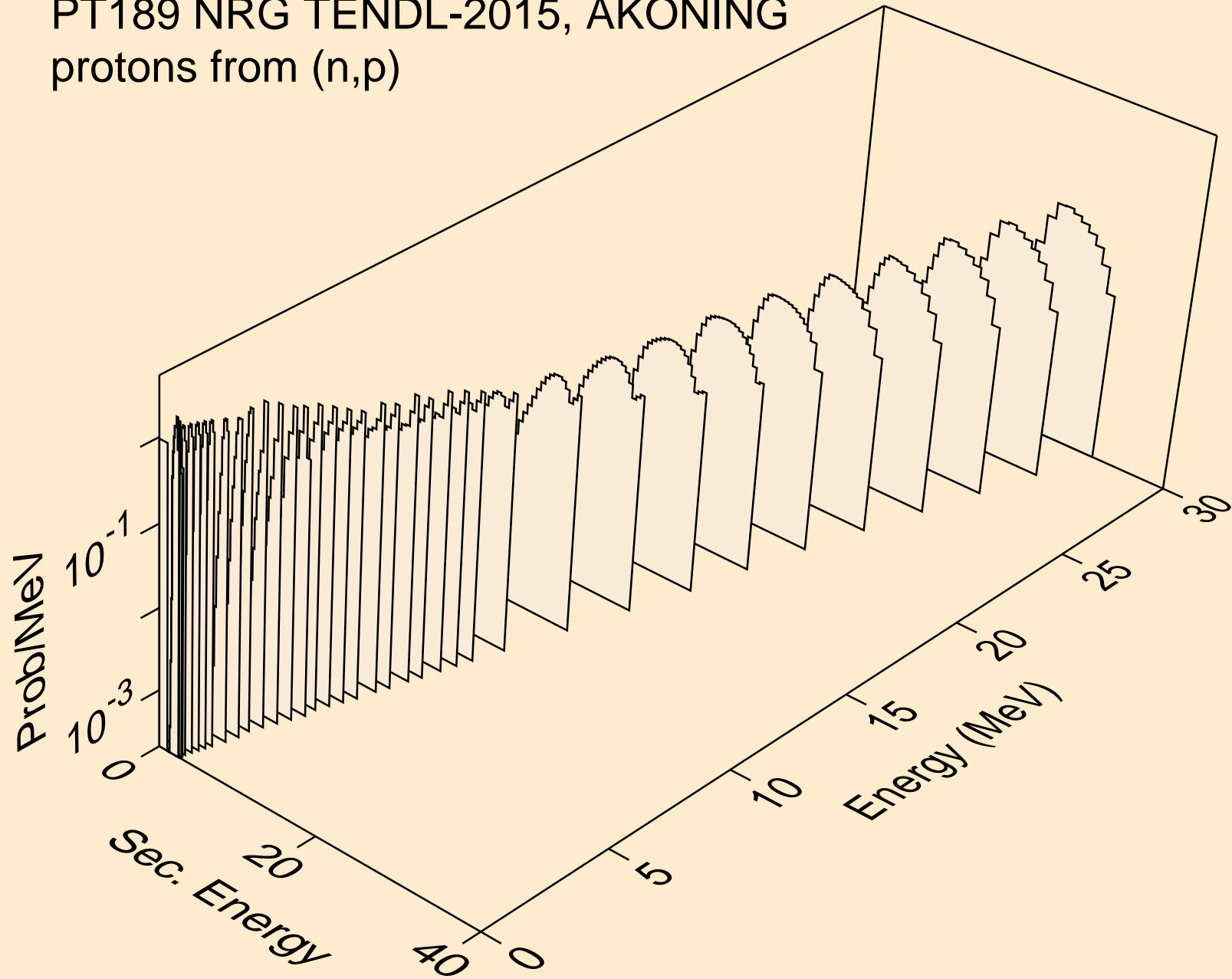
PT189 NRG TENDL-2015, AKONING  
protons from (n,2np)



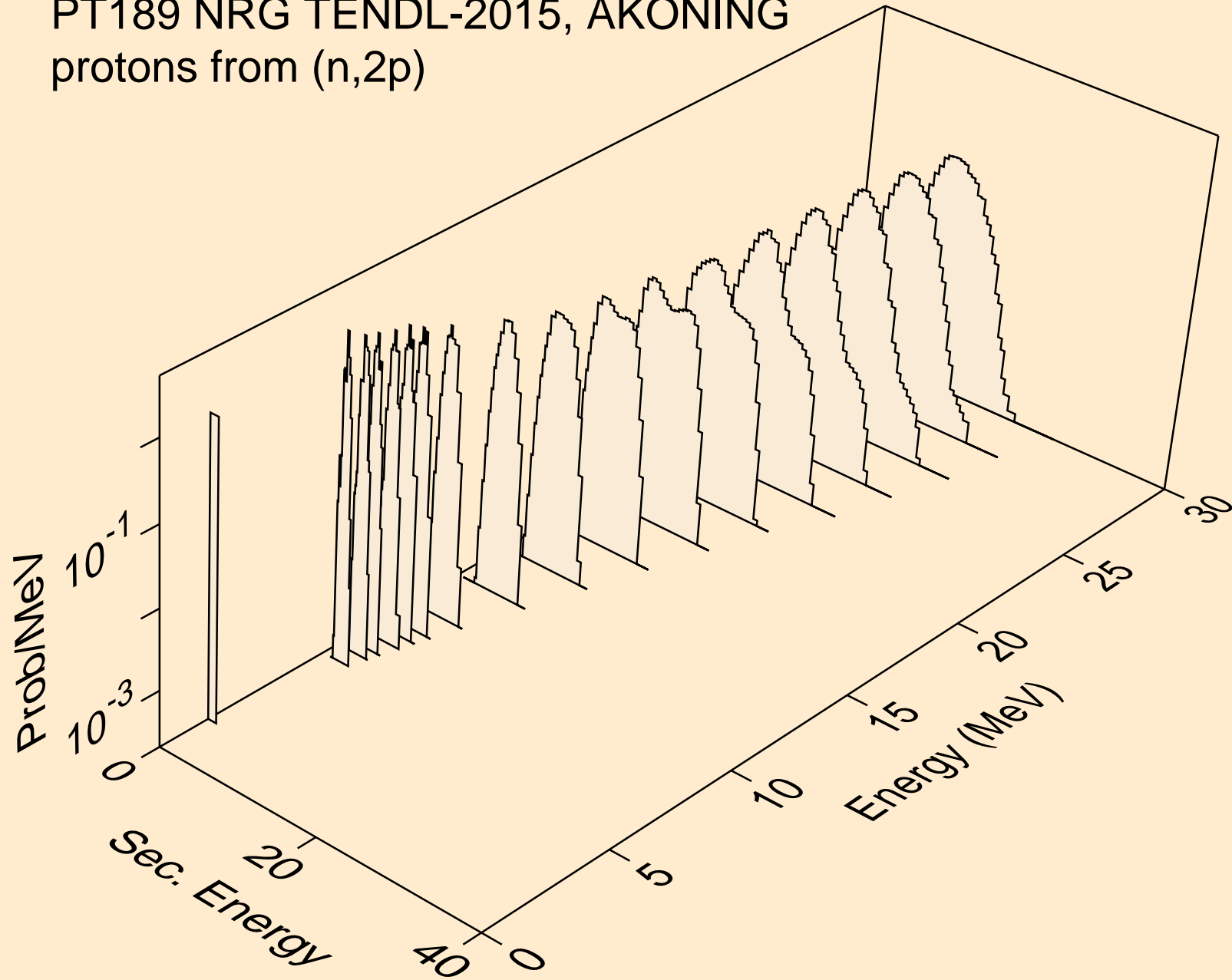
PT189 NRG TENDL-2015, AKONING  
protons from (n,npa)



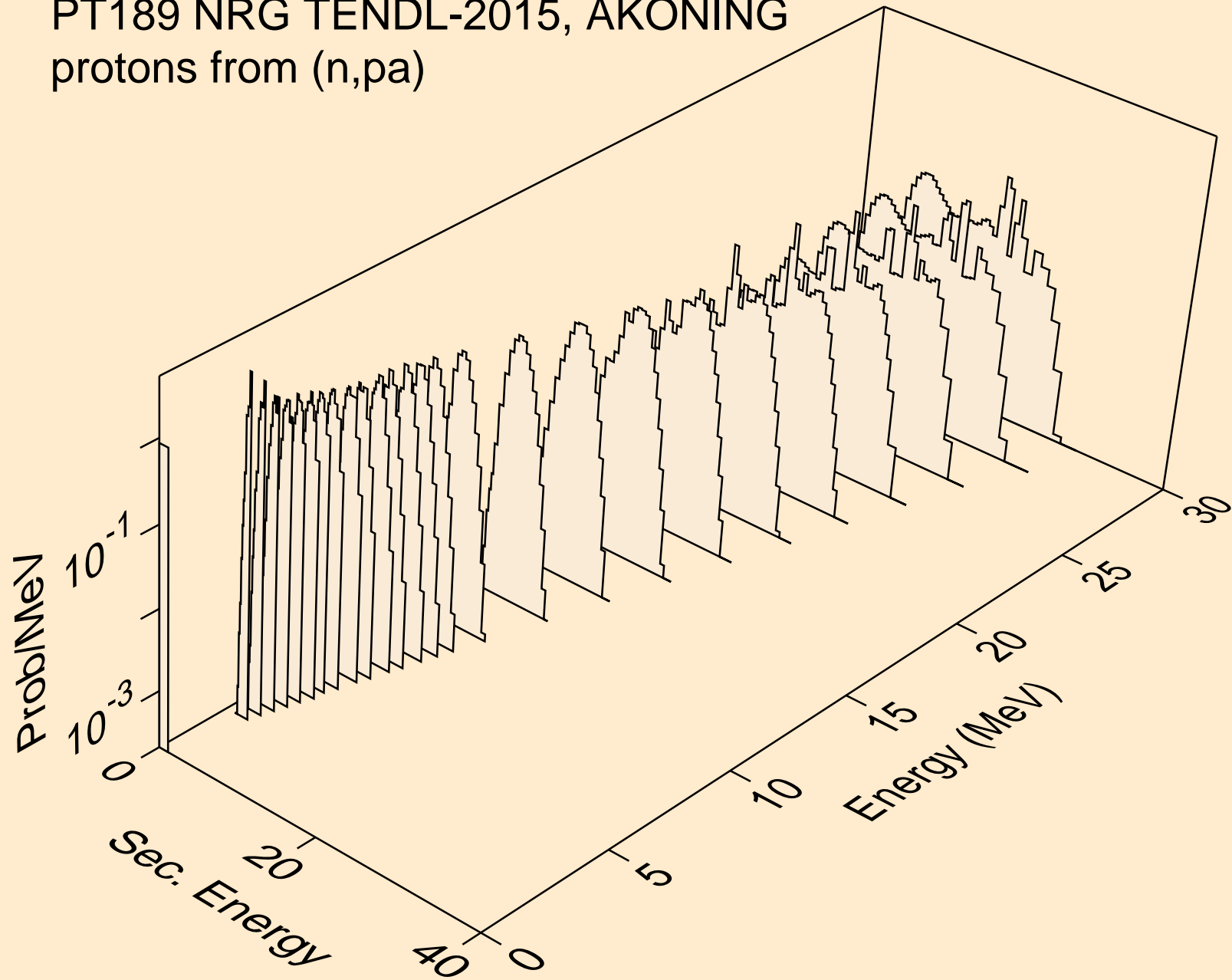
PT189 NRG TENDL-2015, AKONING  
protons from (n,p)



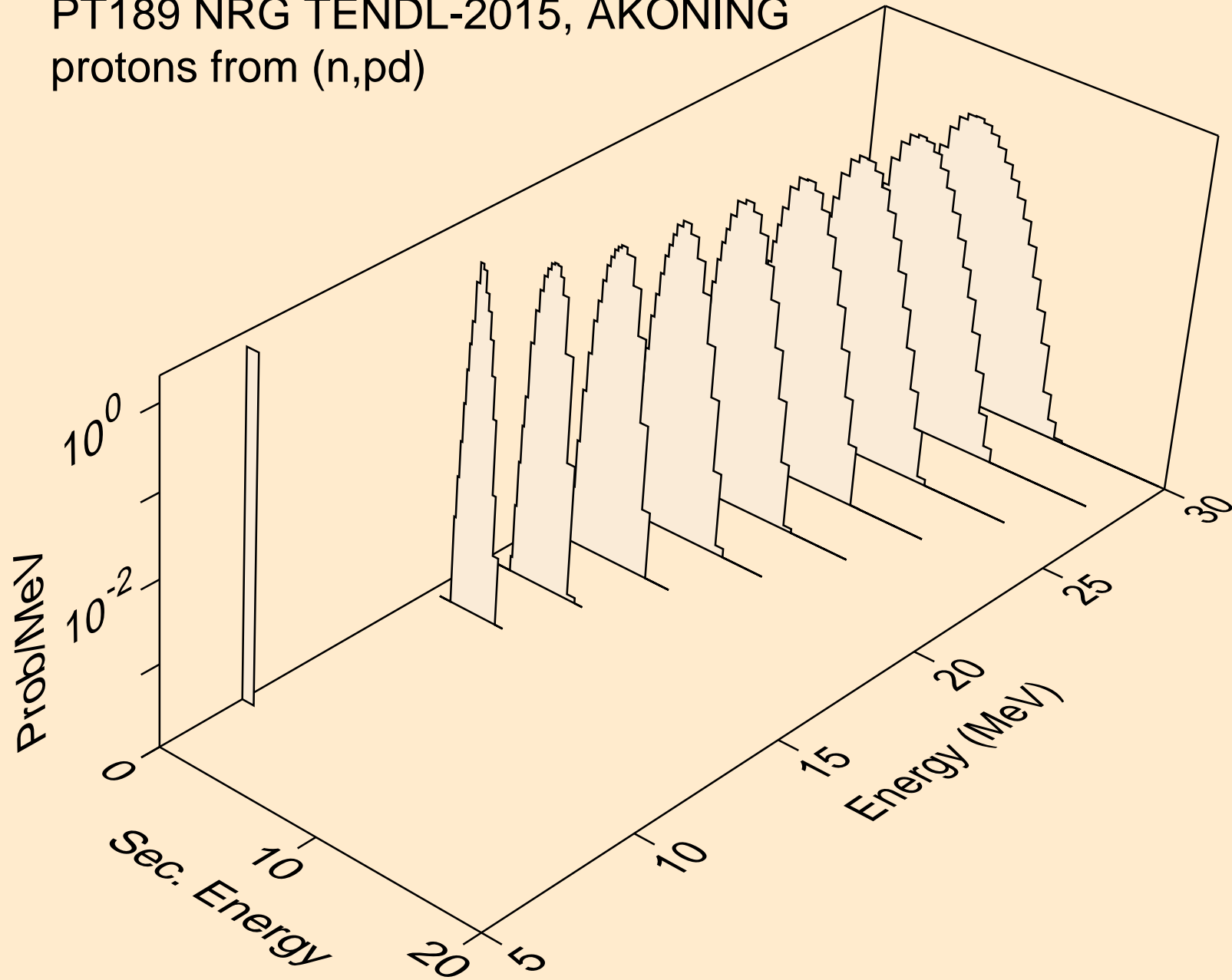
PT189 NRG TENDL-2015, AKONING  
protons from (n,2p)



PT189 NRG TENDL-2015, AKONING  
protons from (n,pa)

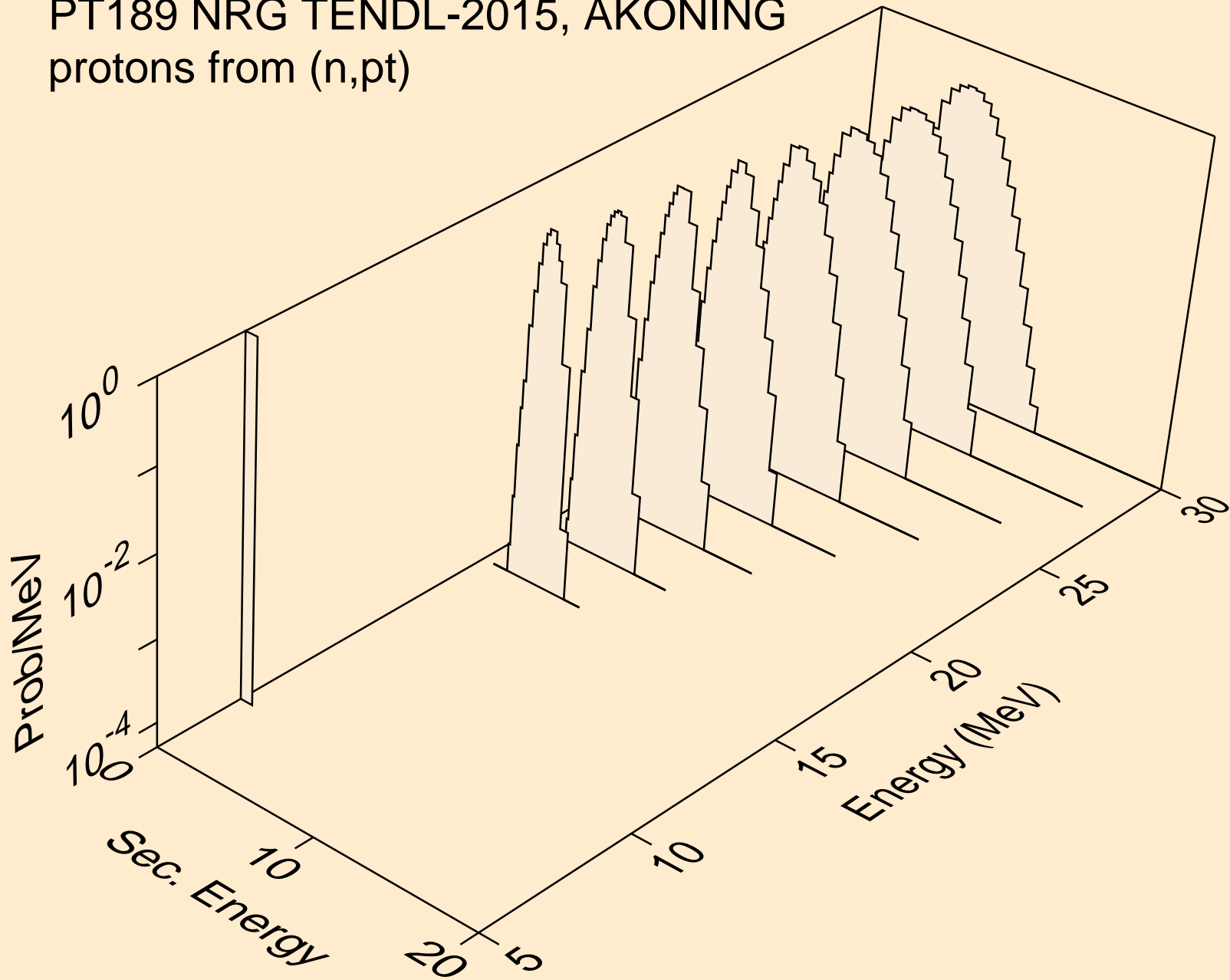


PT189 NRG TENDL-2015, AKONING  
protons from (n,pd)

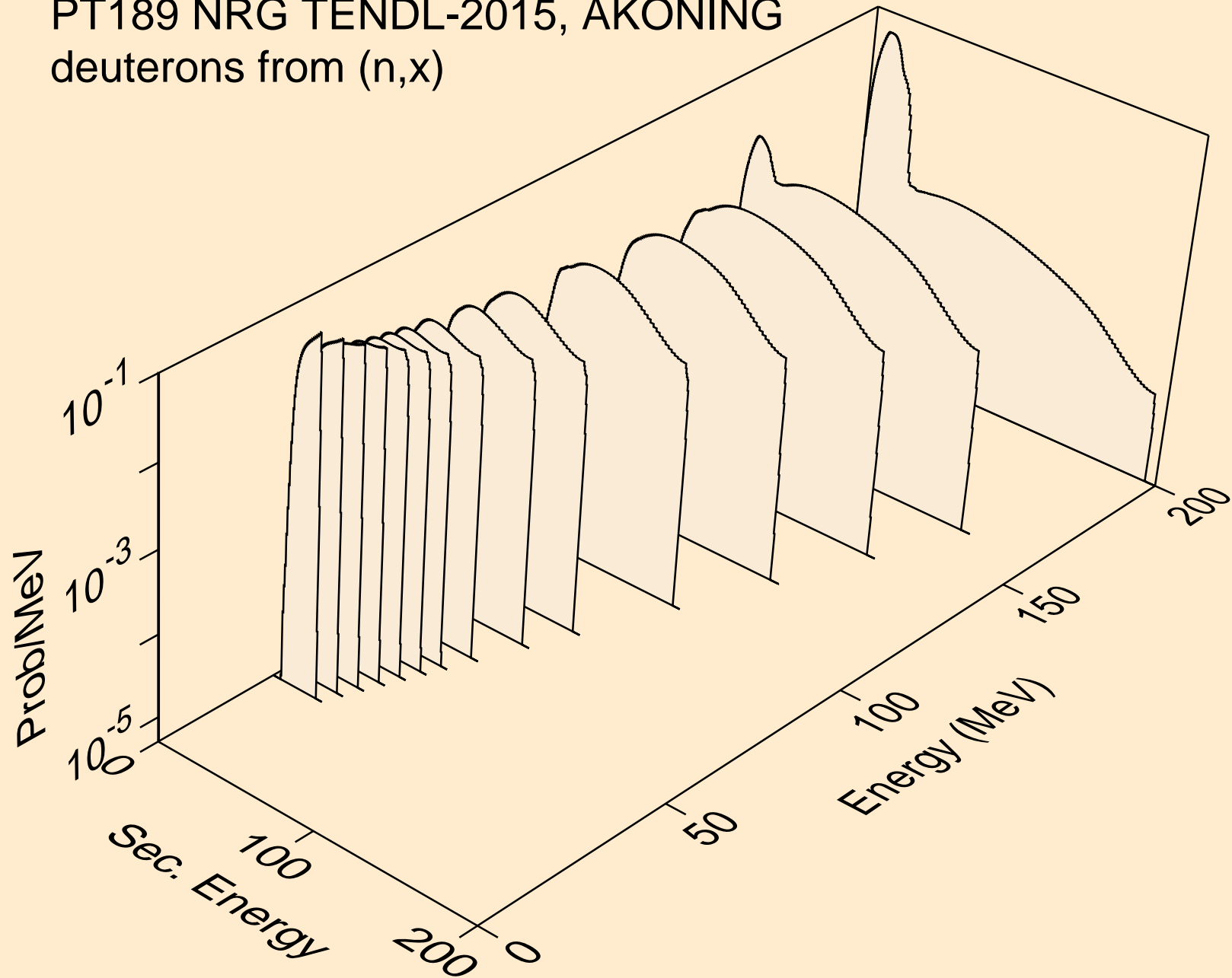




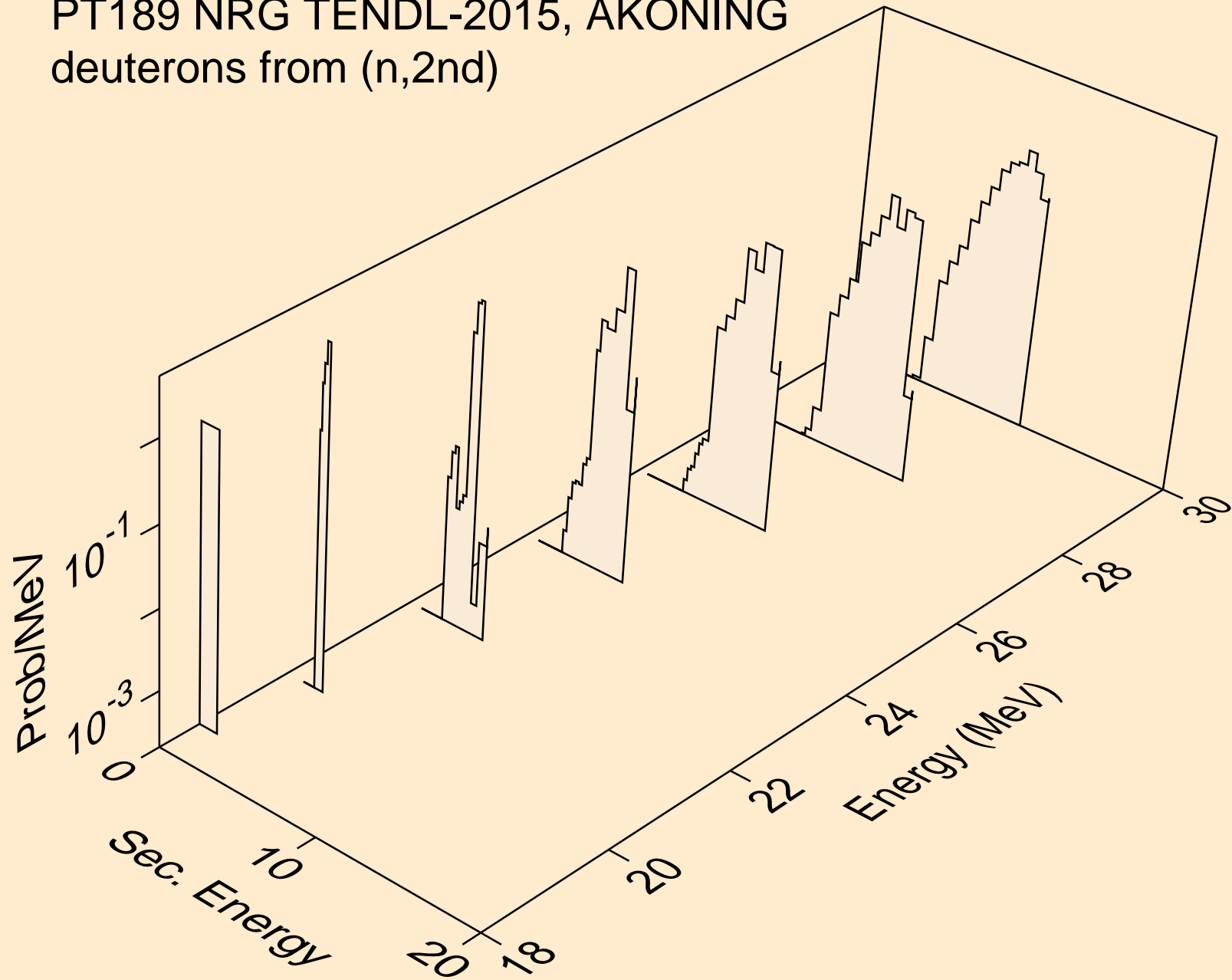
PT189 NRG TENDL-2015, AKONING  
protons from (n,pt)



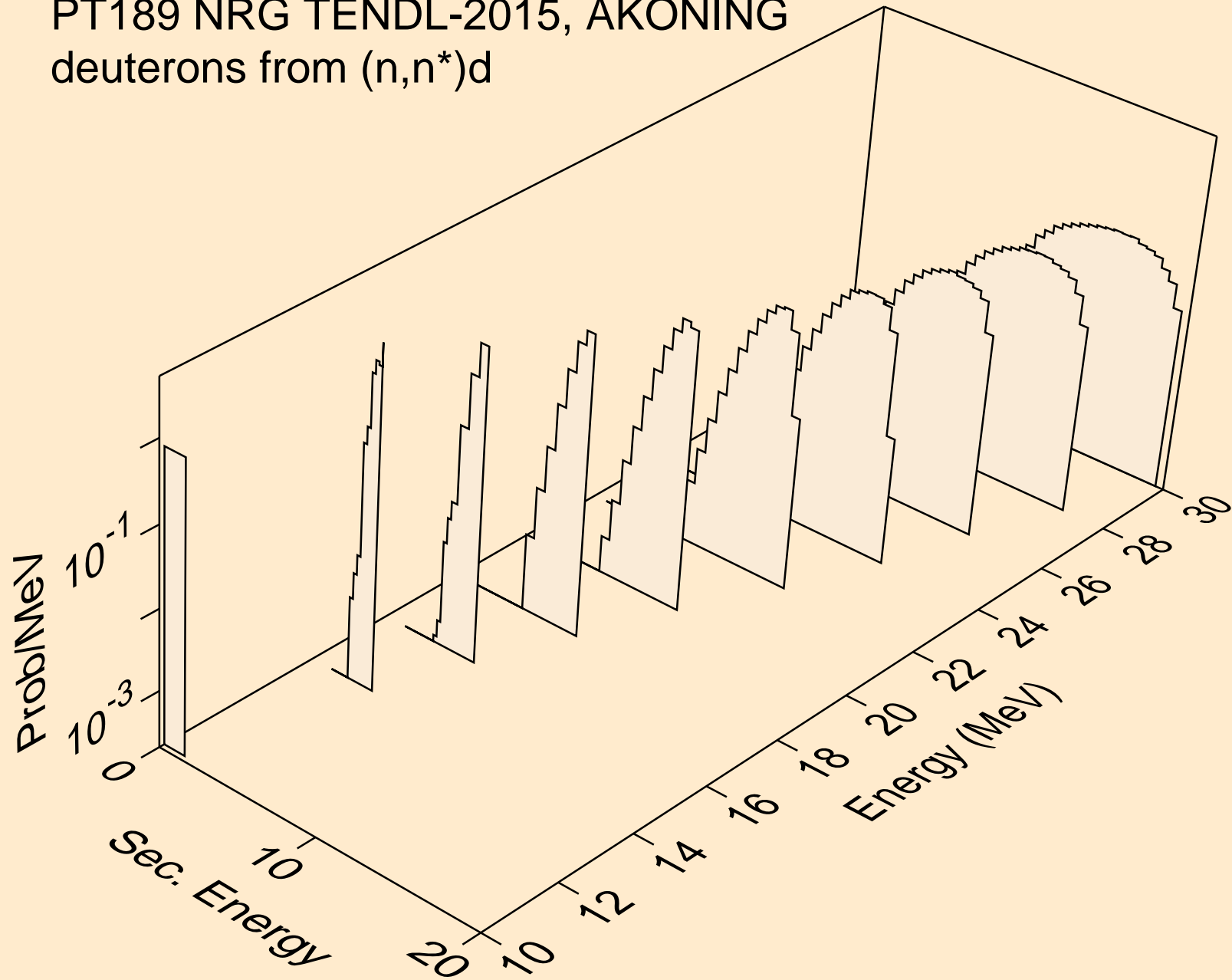
PT189 NRG TENDL-2015, AKONING  
deuterons from (n,x)



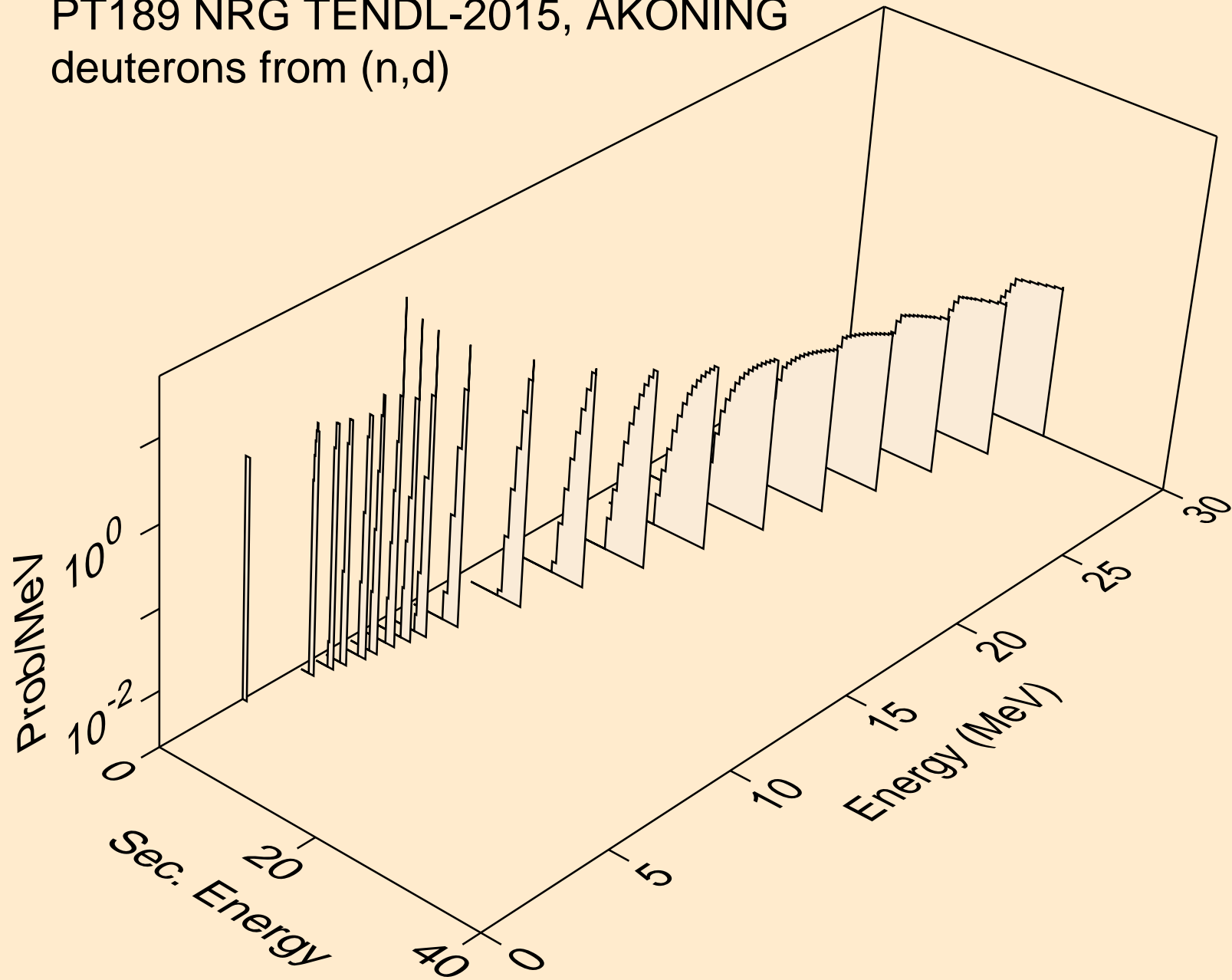
PT189 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



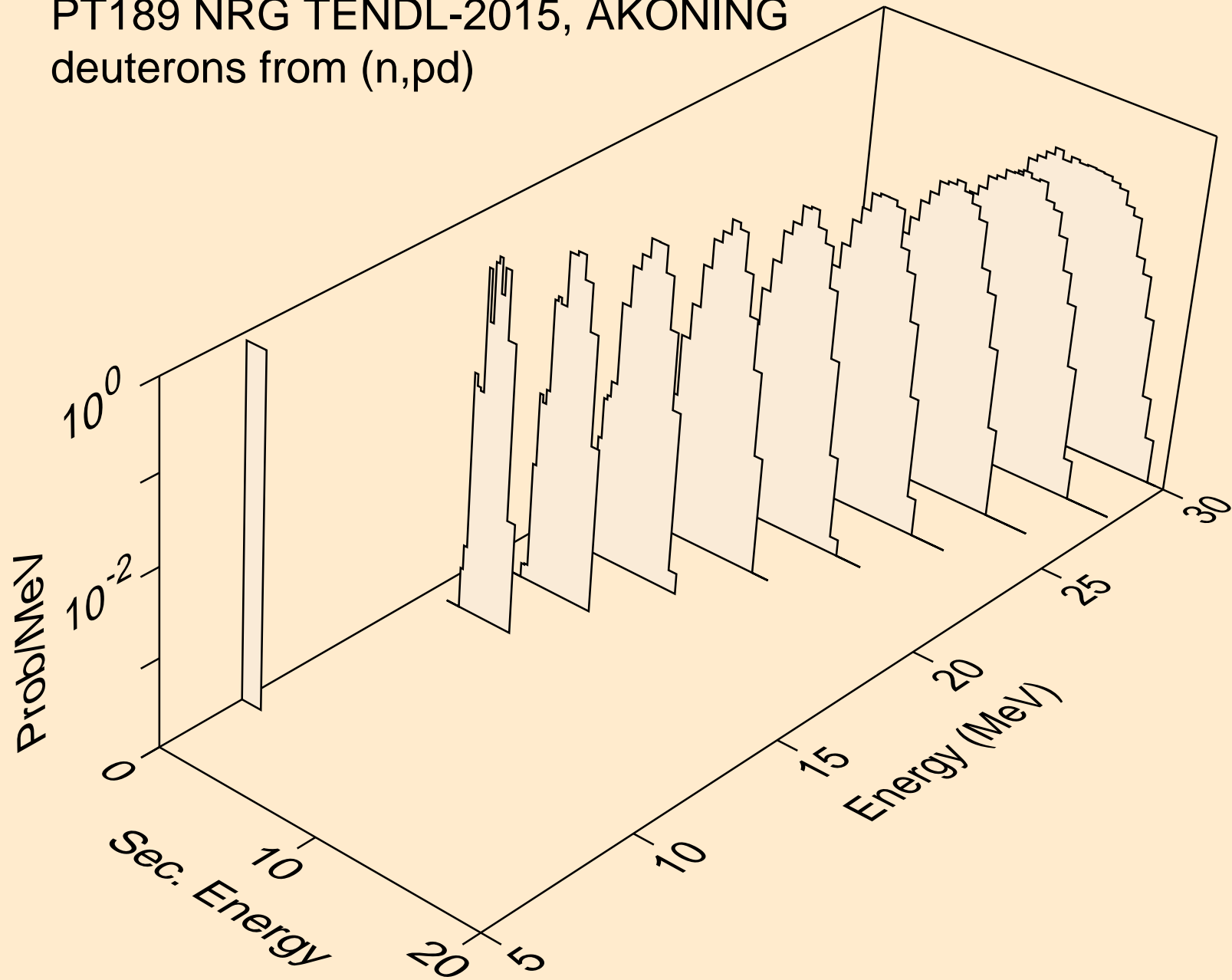
PT189 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



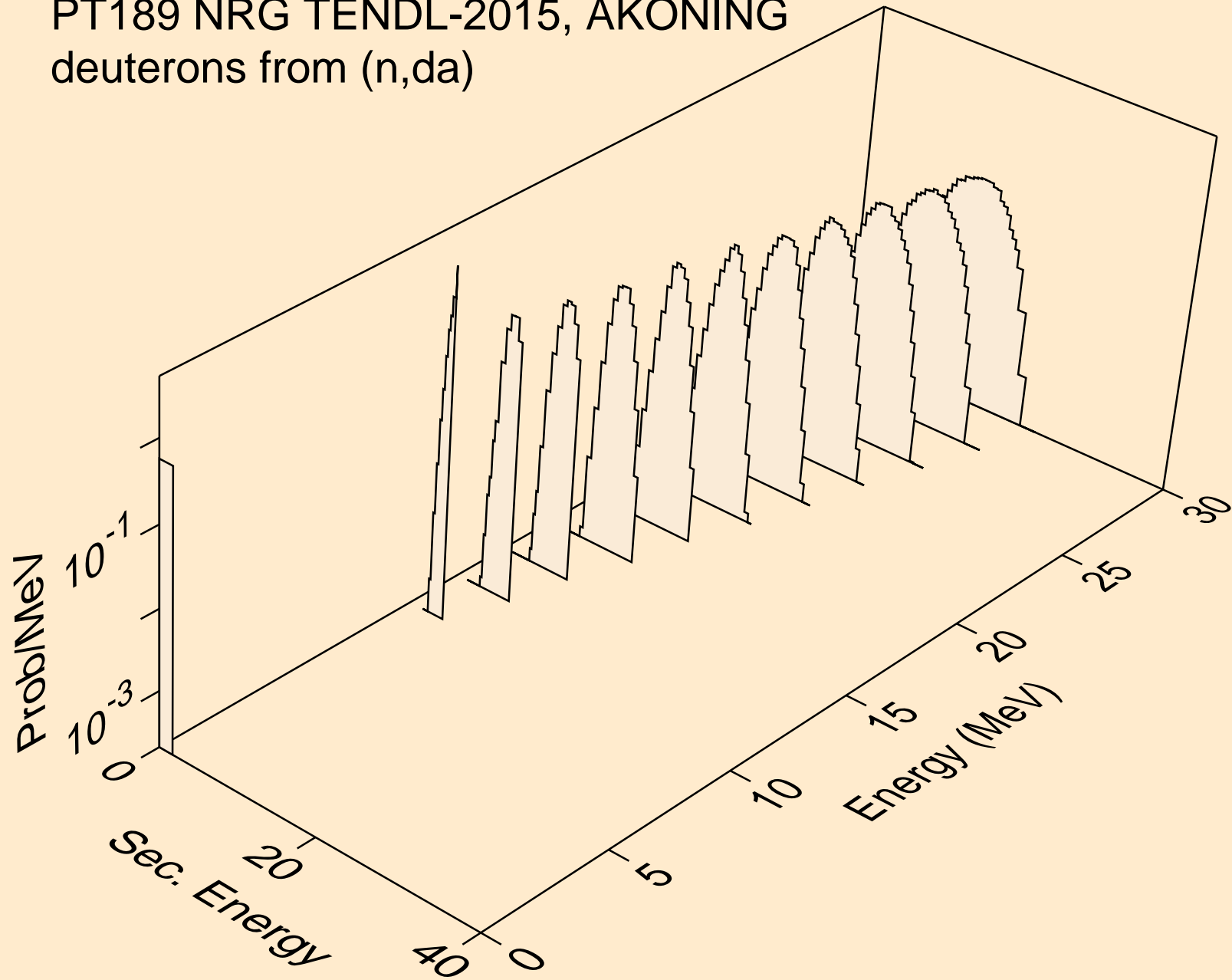
PT189 NRG TENDL-2015, AKONING  
deuterons from (n,d)



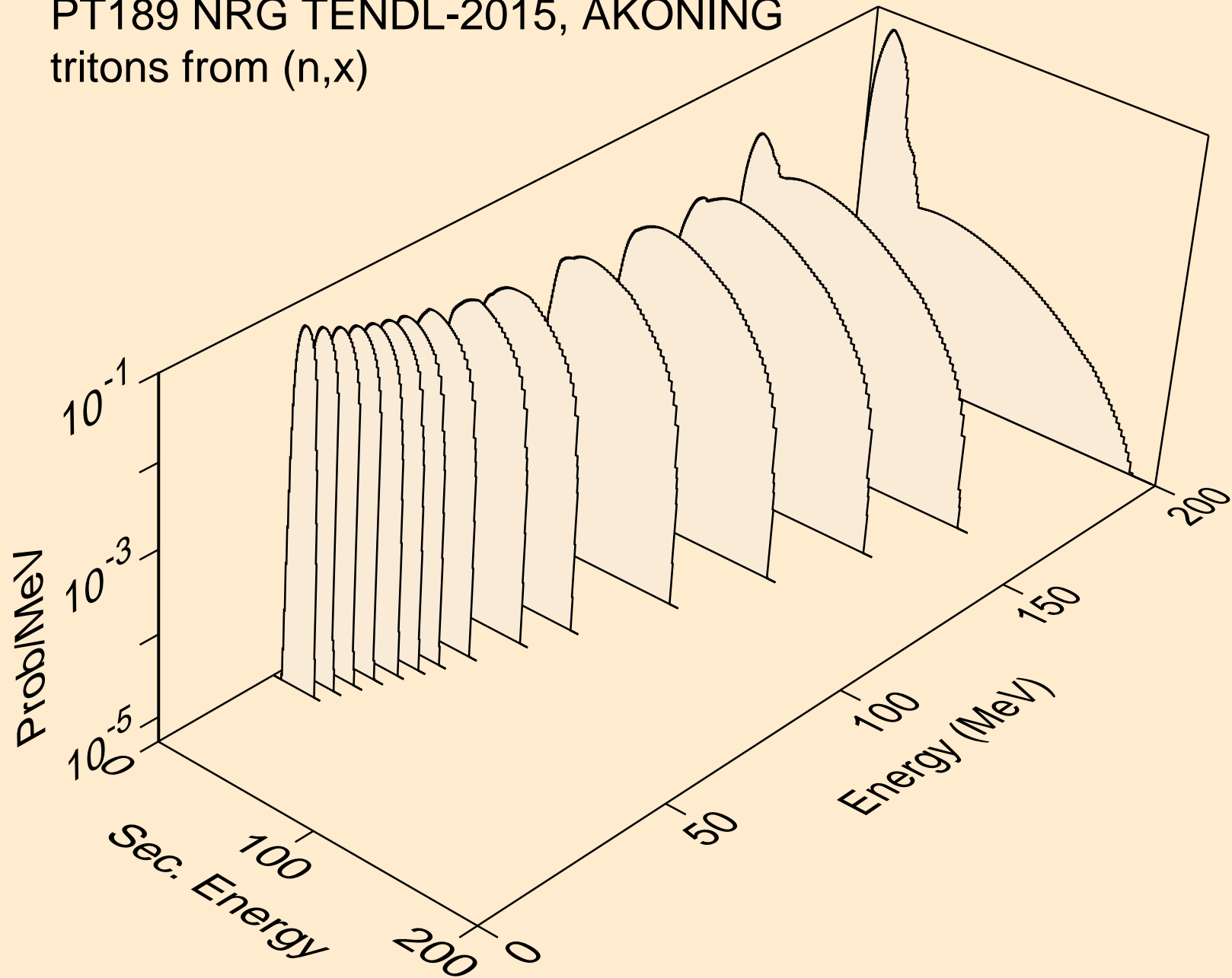
PT189 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



PT189 NRG TENDL-2015, AKONING  
deuterons from (n,da)

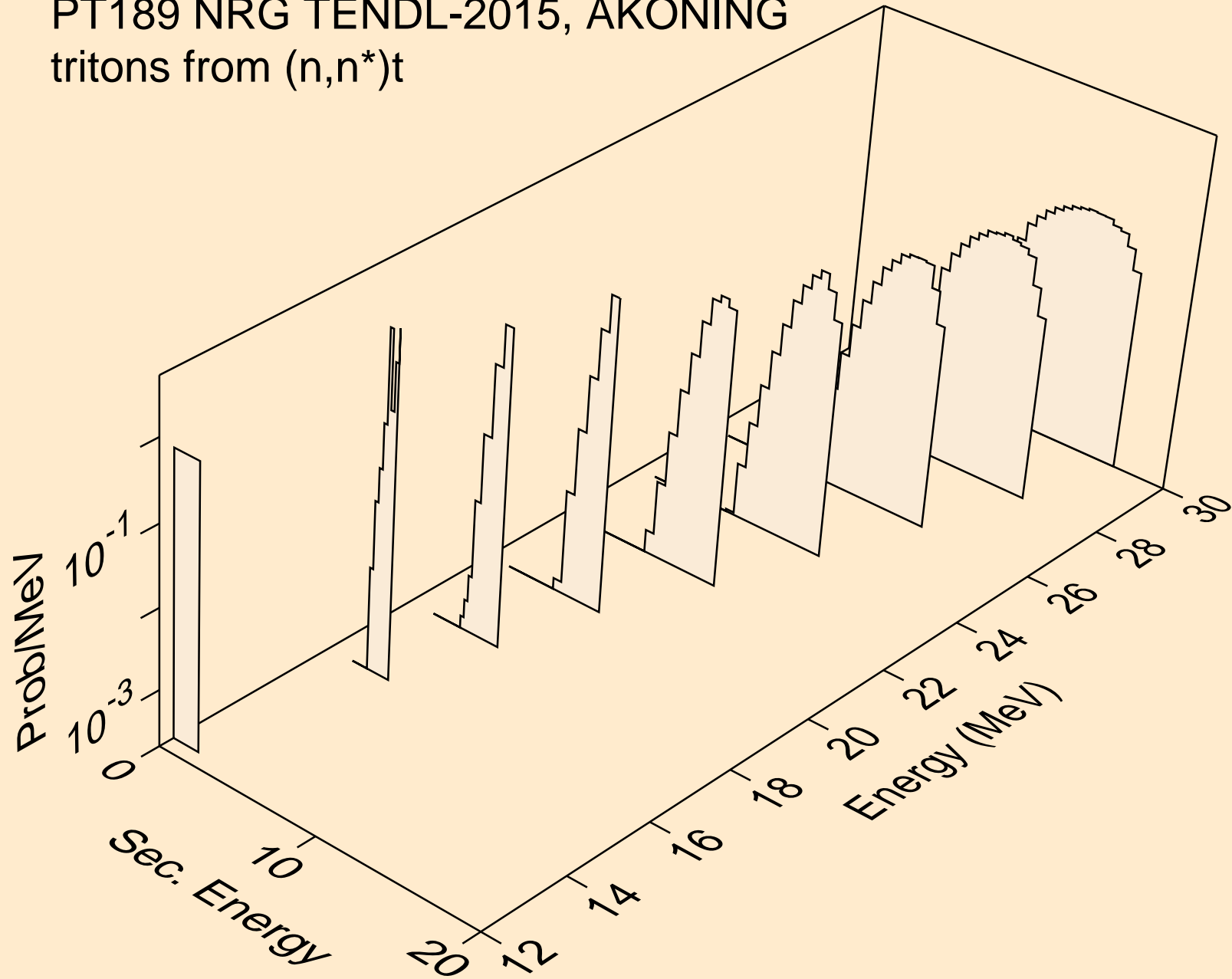


PT189 NRG TENDL-2015, AKONING  
tritons from (n,x)

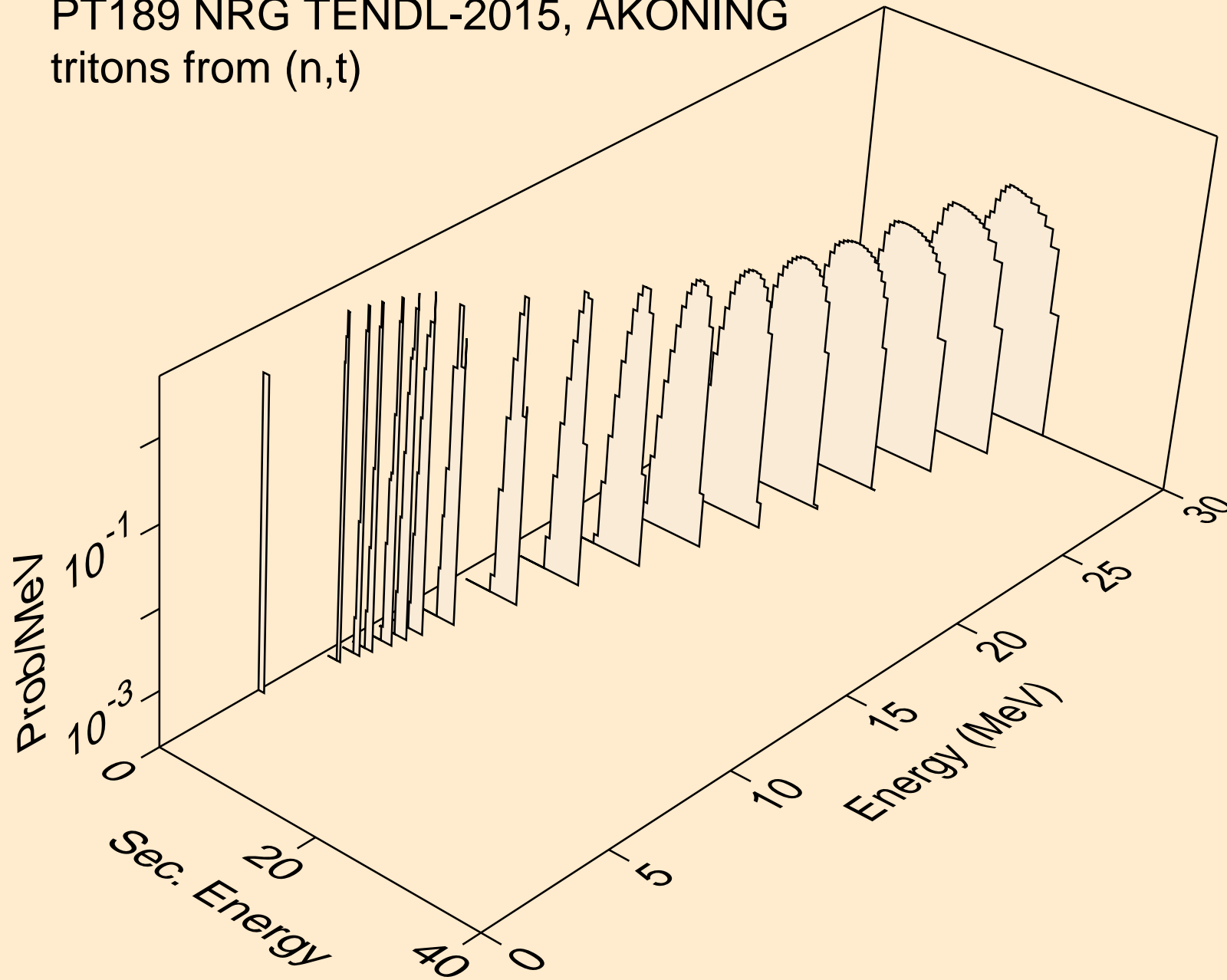




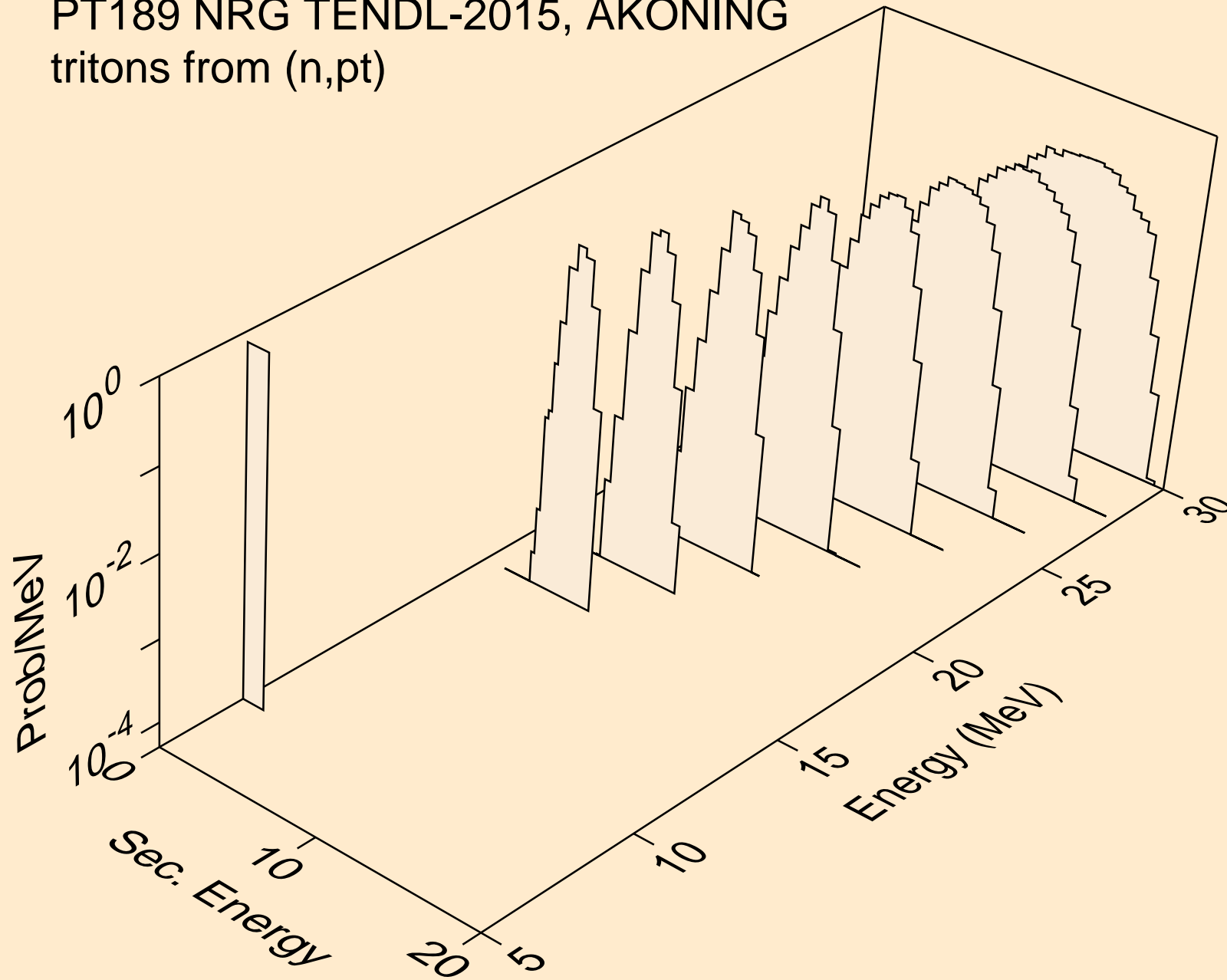
PT189 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



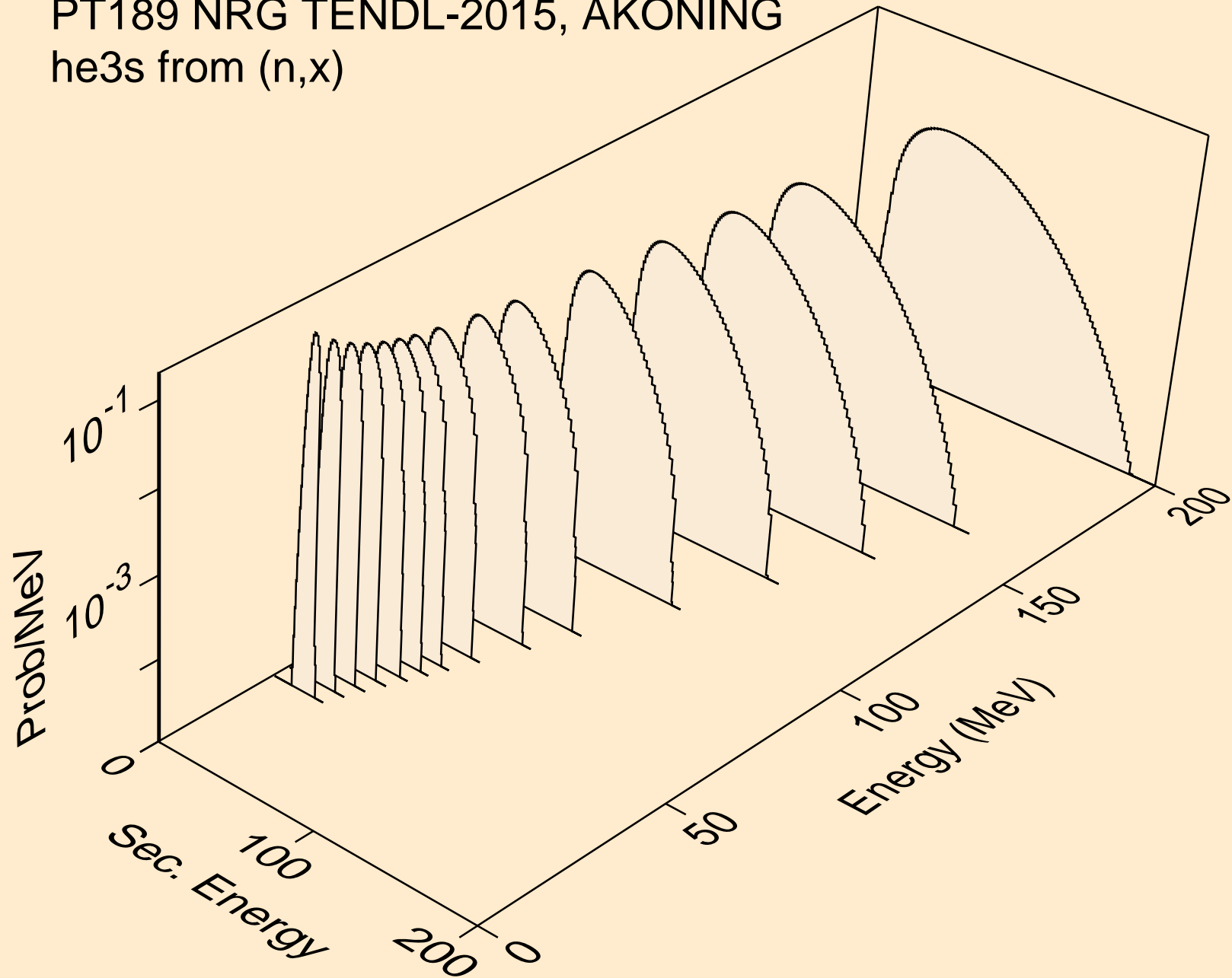
PT189 NRG TENDL-2015, AKONING  
tritons from (n,t)



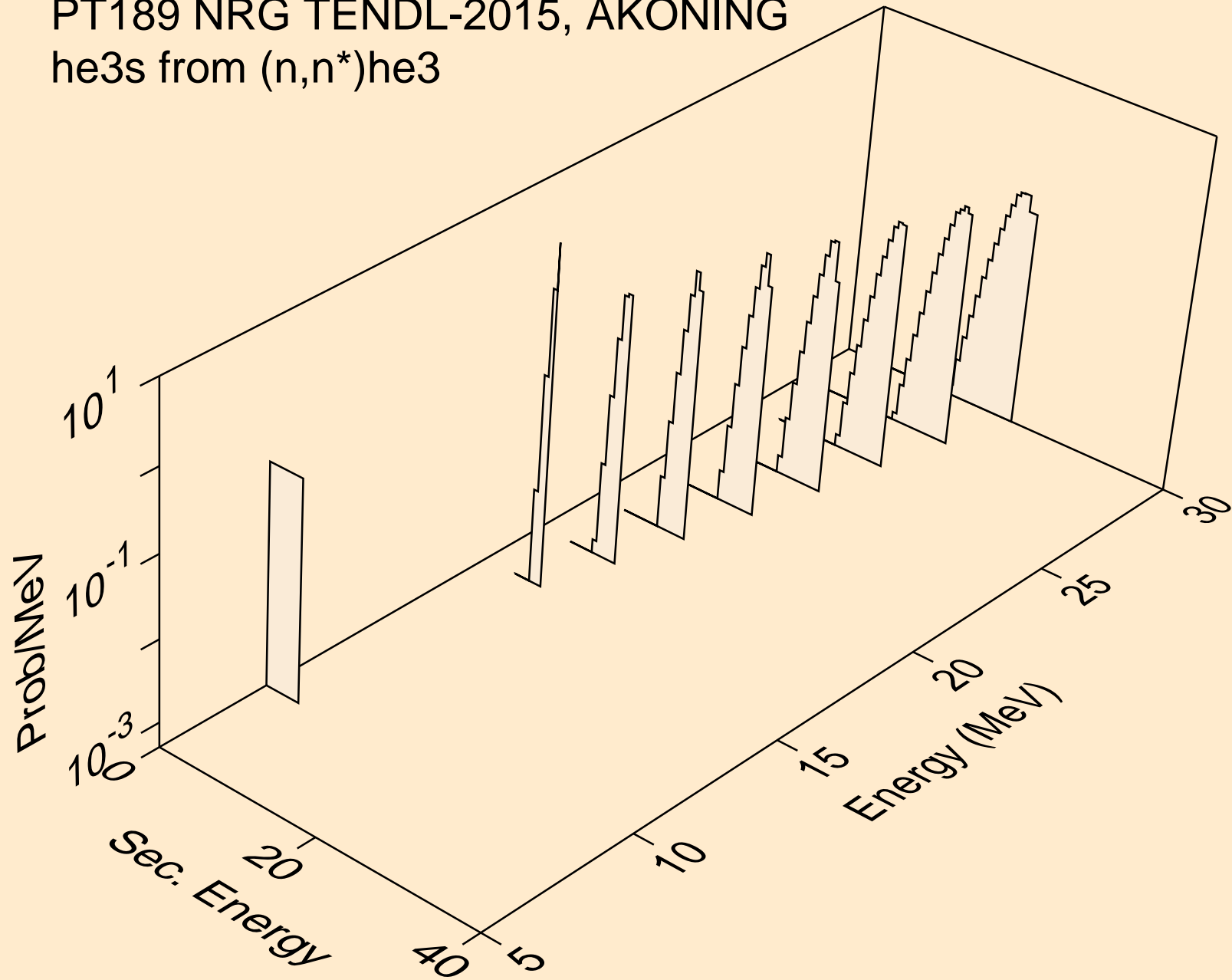
PT189 NRG TENDL-2015, AKONING  
tritons from (n,pt)



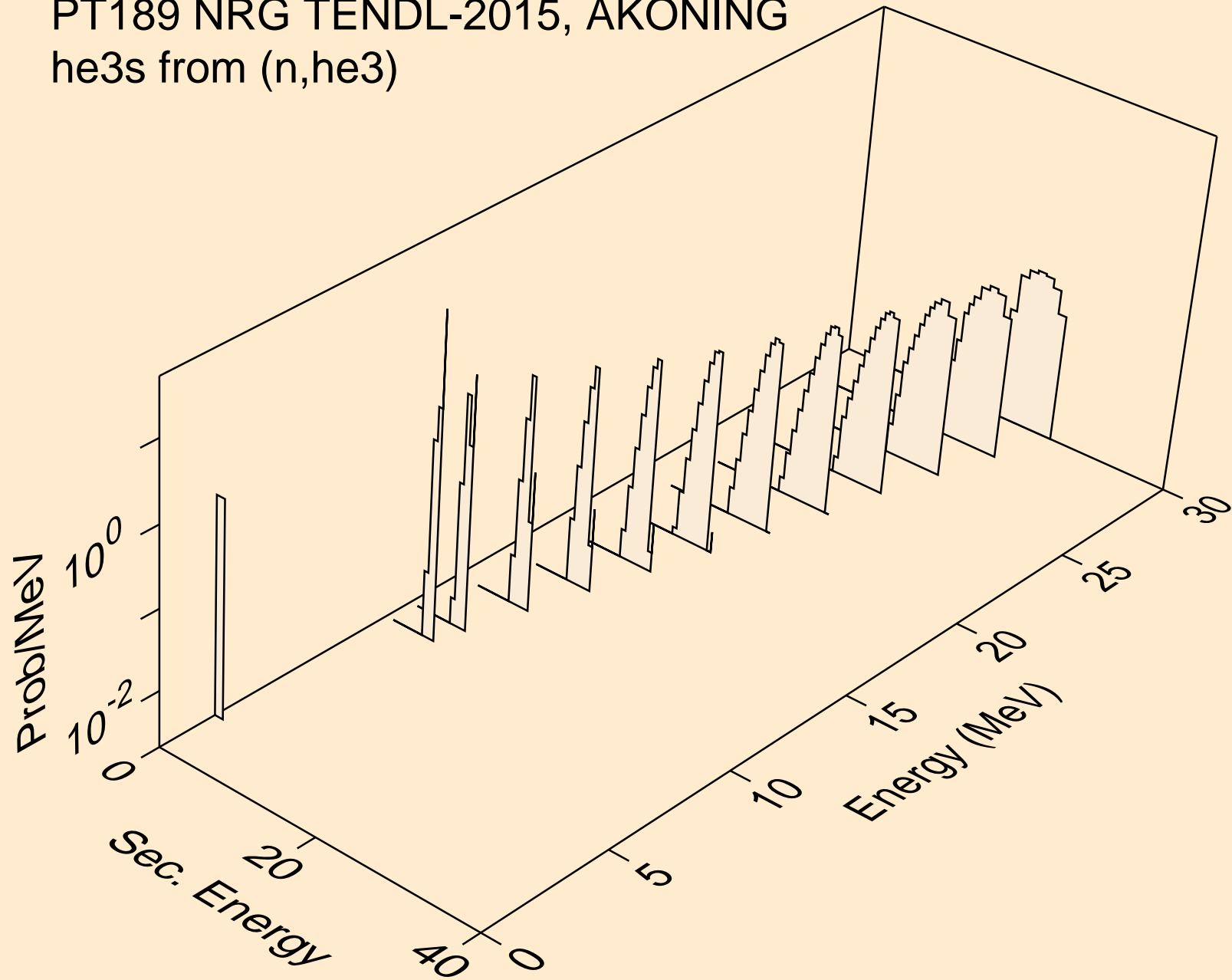
PT189 NRG TENDL-2015, AKONING  
he3s from (n,x)



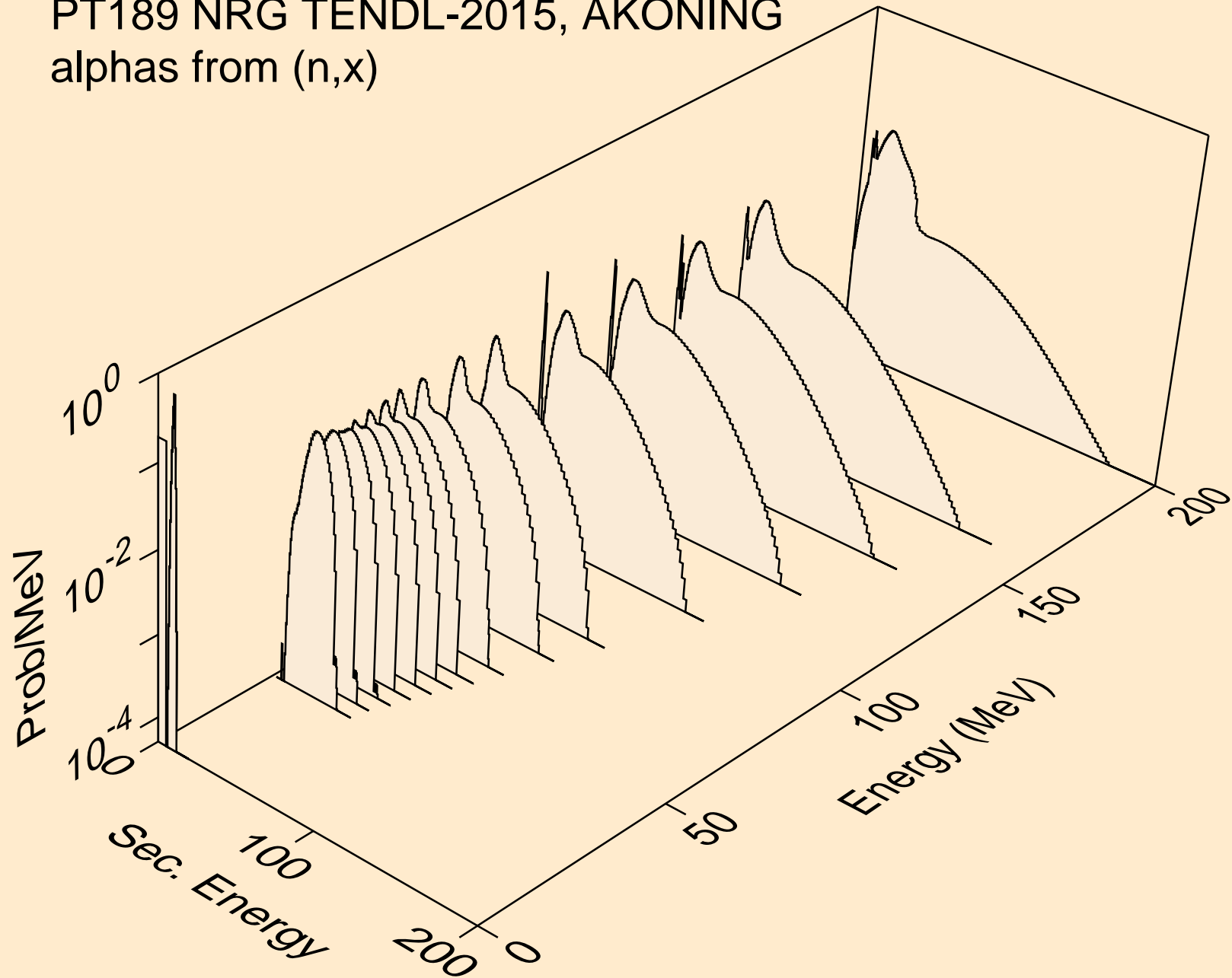
PT189 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



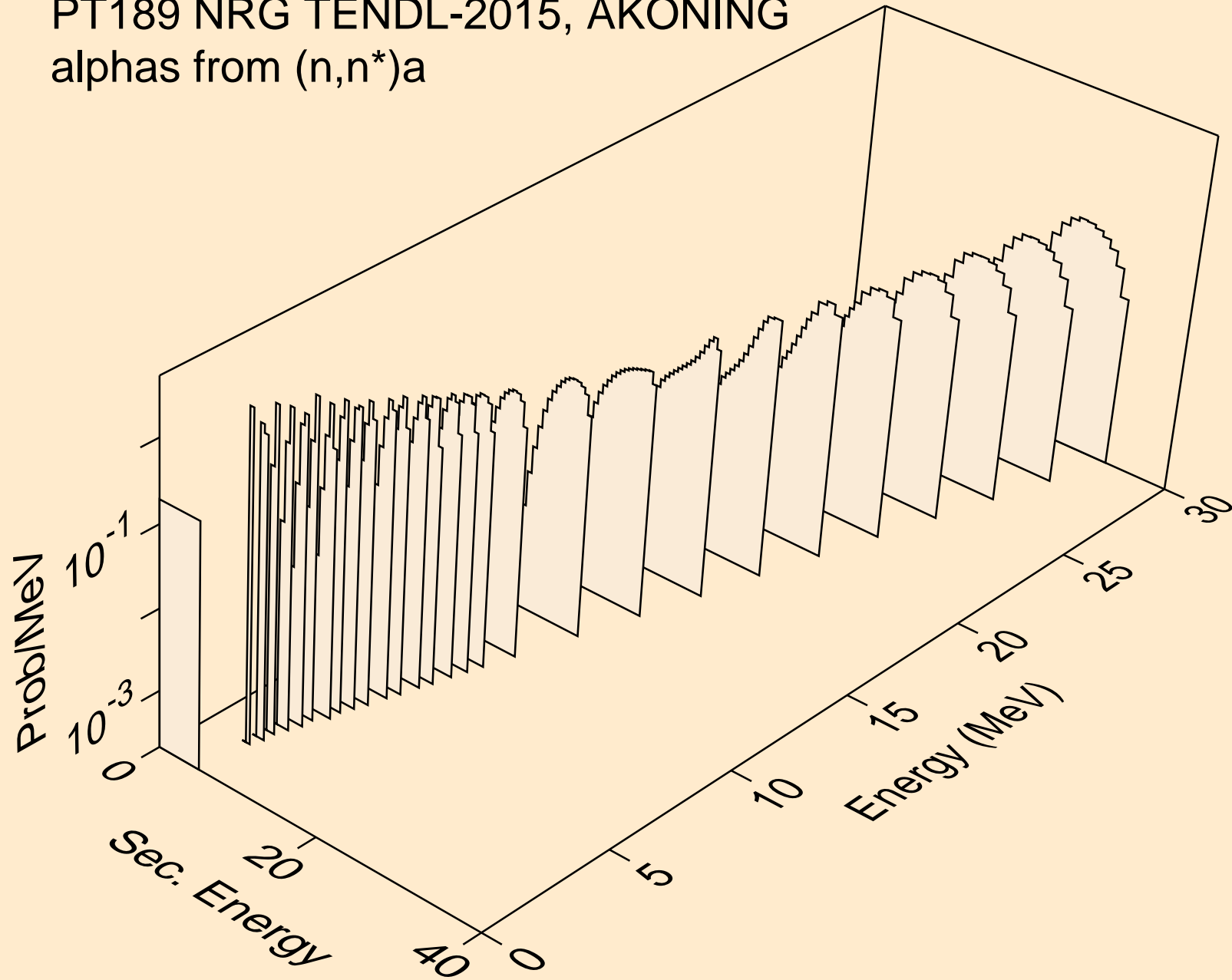
PT189 NRG TENDL-2015, AKONING  
he3s from (n,he3)



PT189 NRG TENDL-2015, AKONING  
alphas from (n,x)

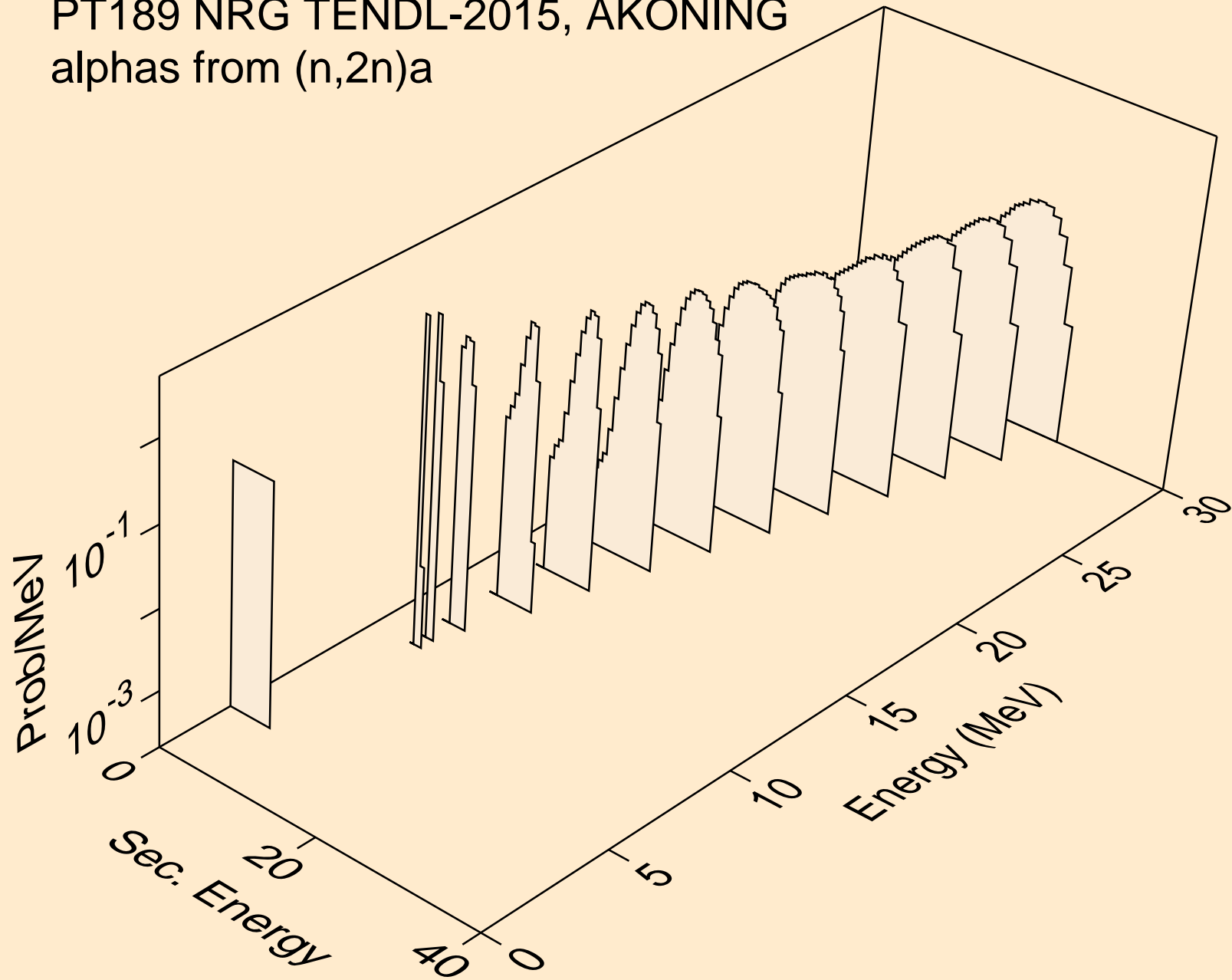


PT189 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

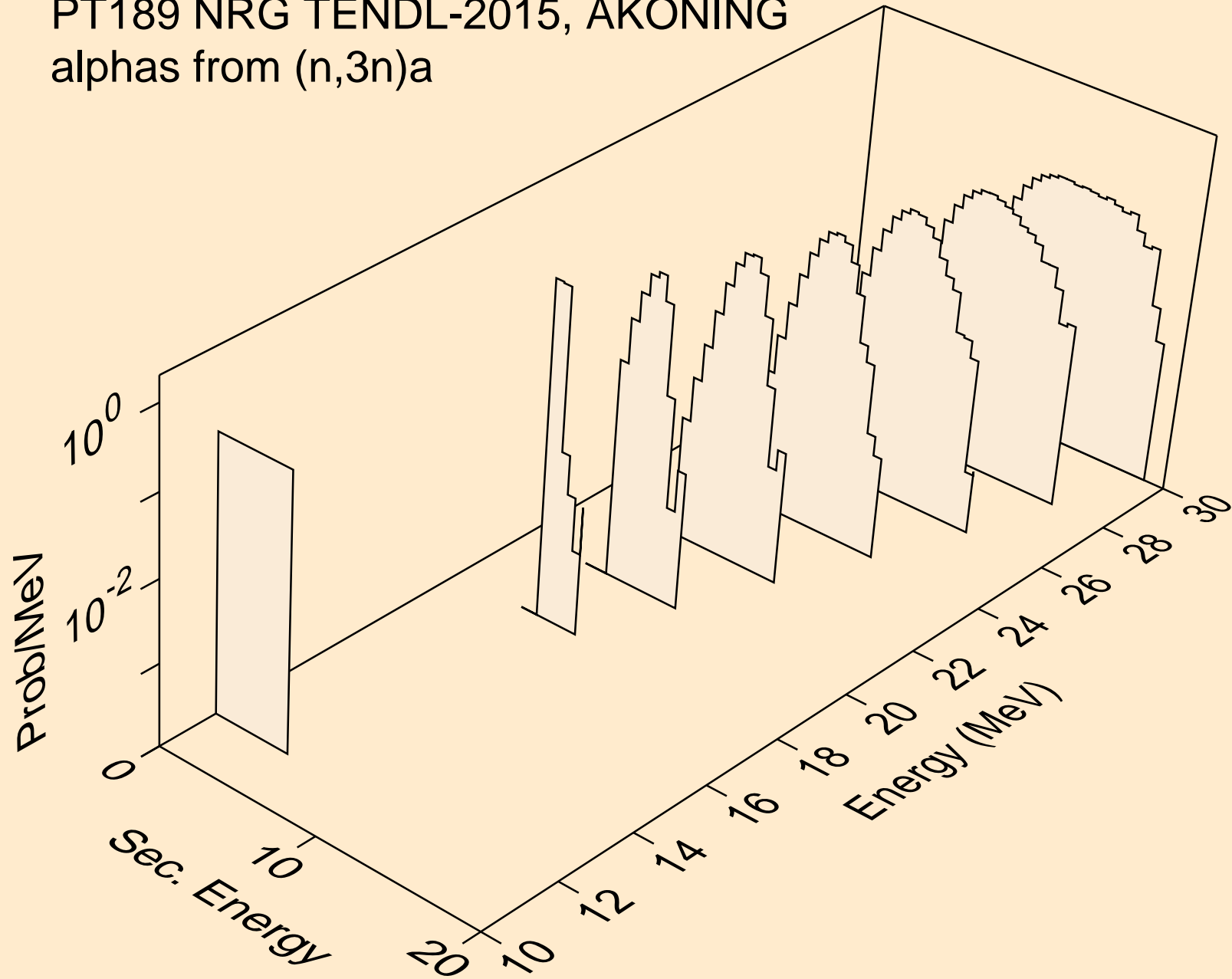




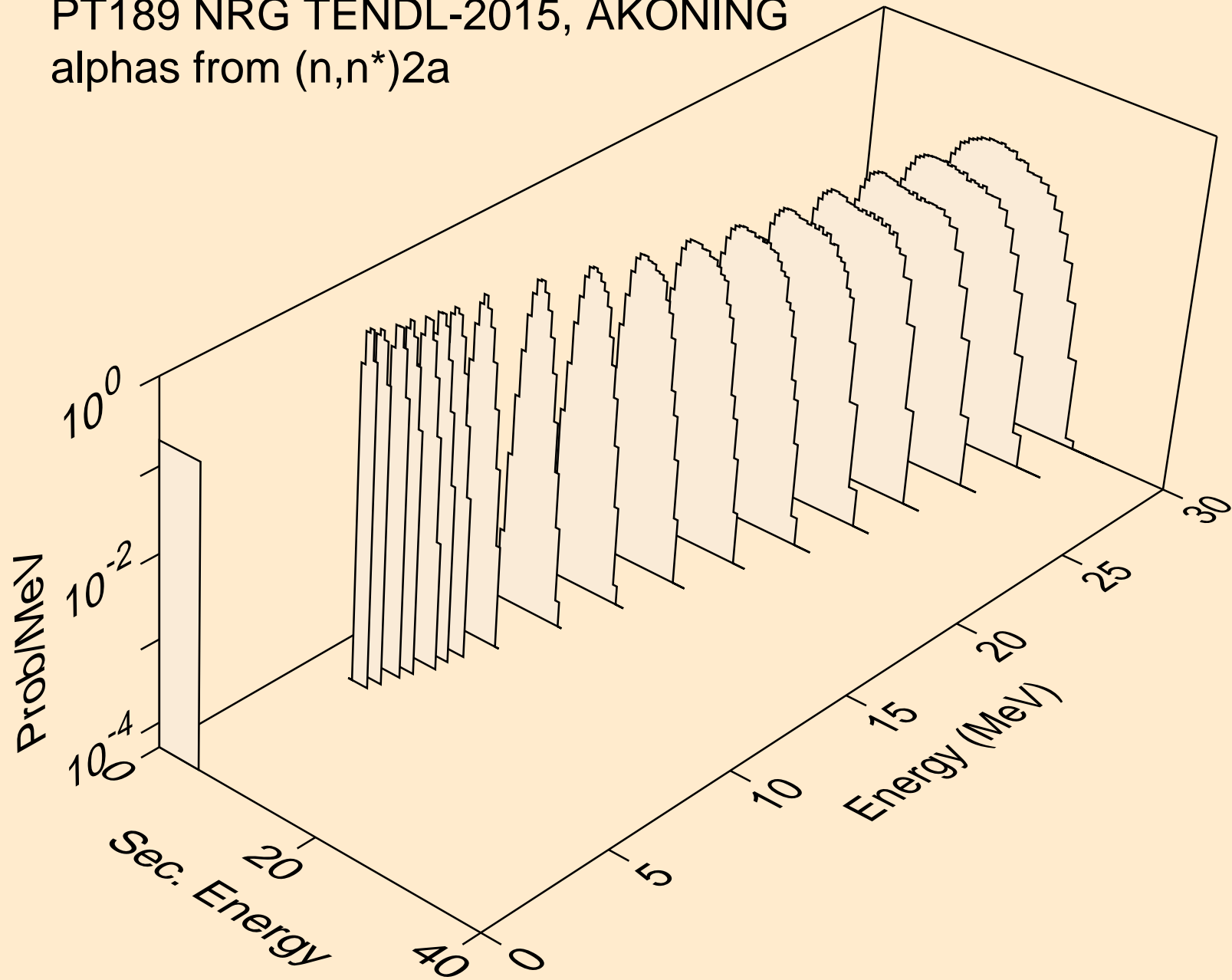
PT189 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



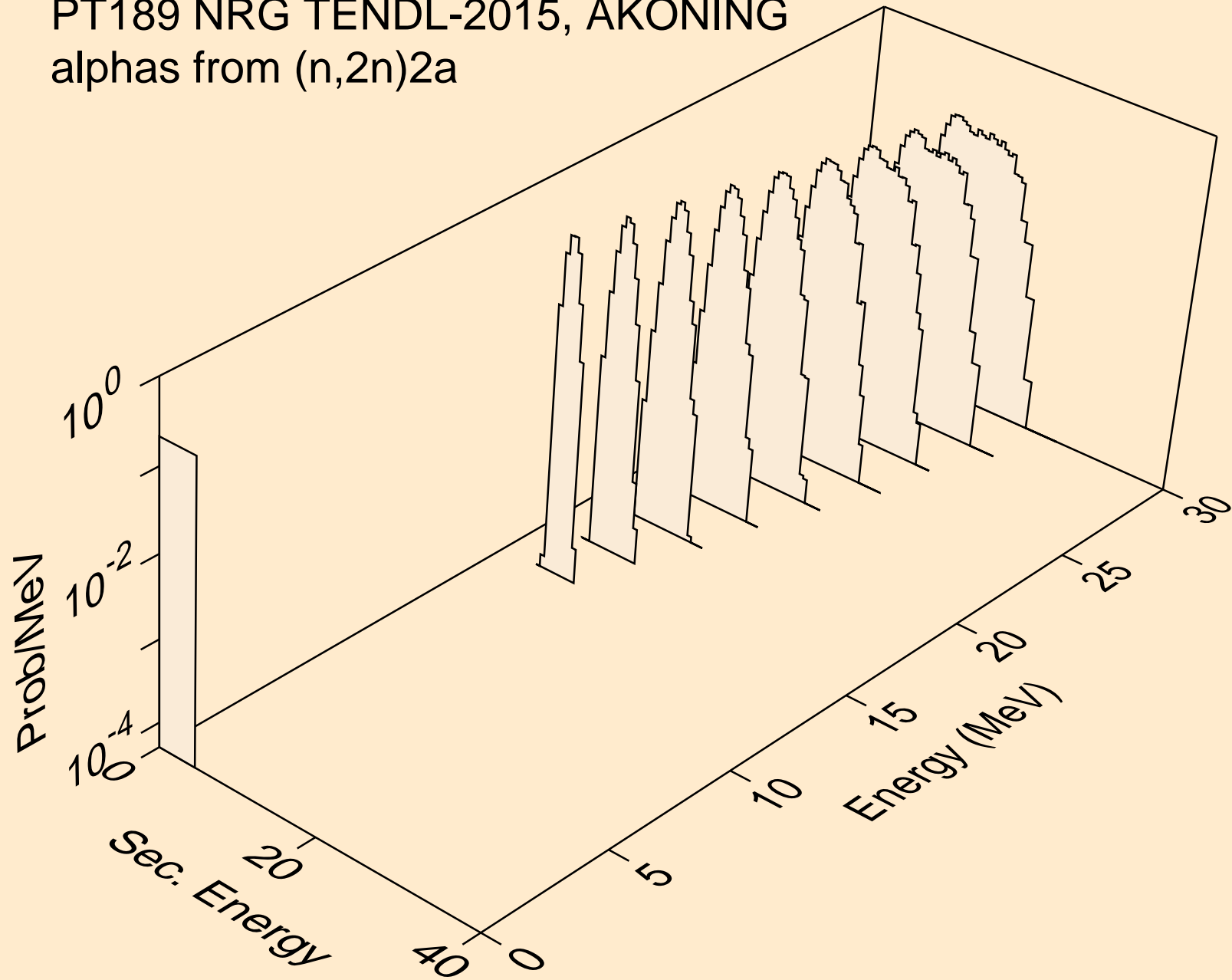
PT189 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



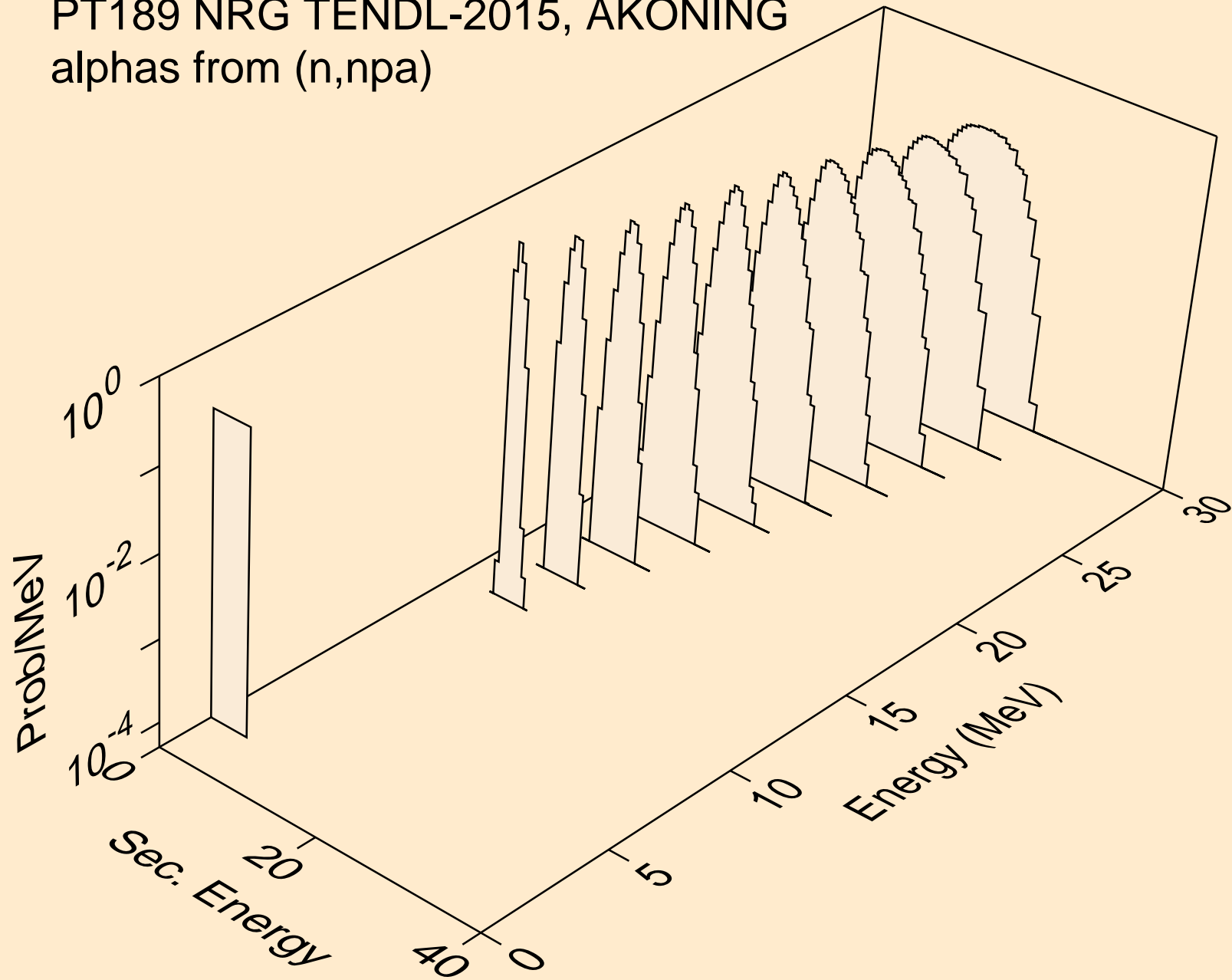
PT189 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



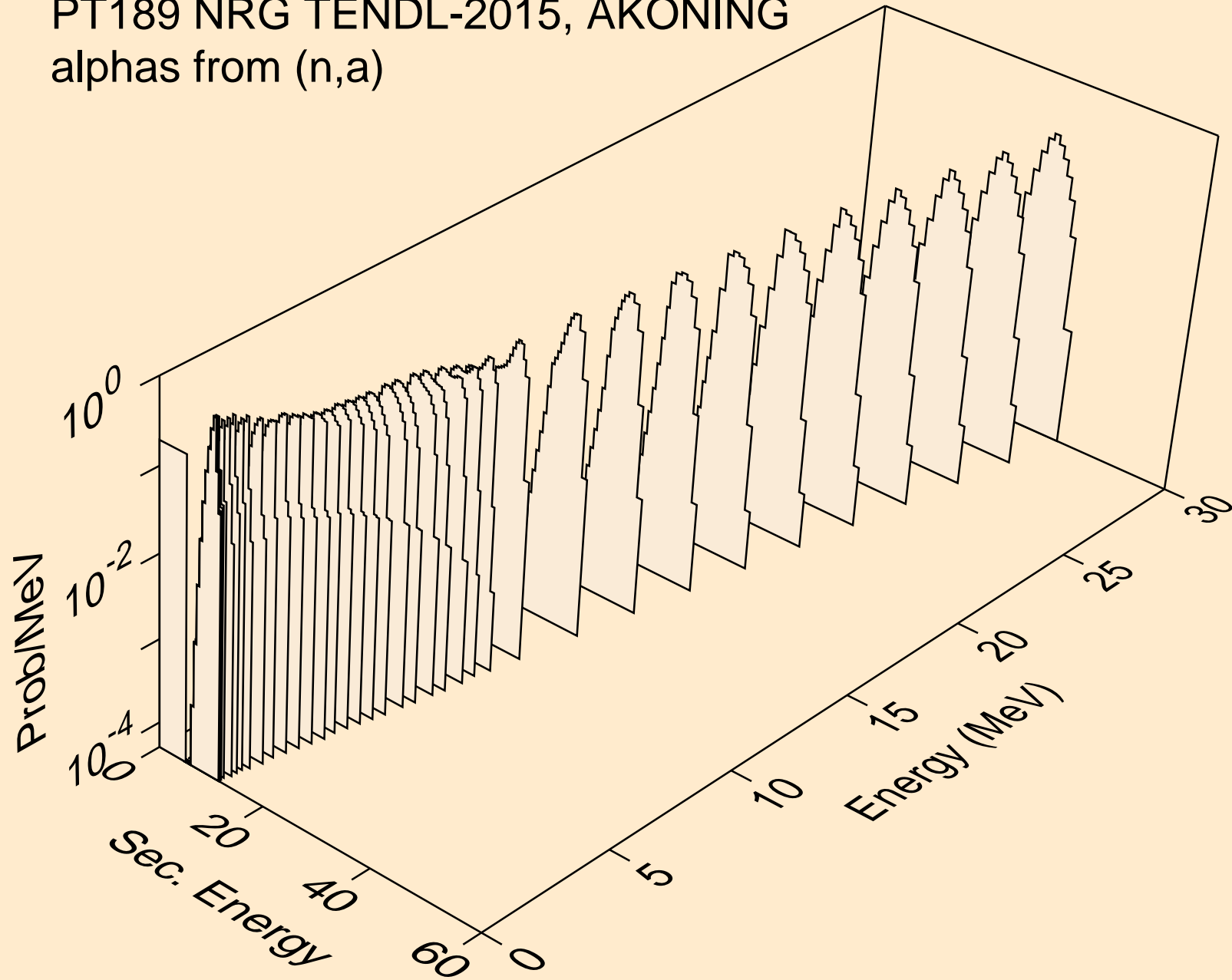
PT189 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



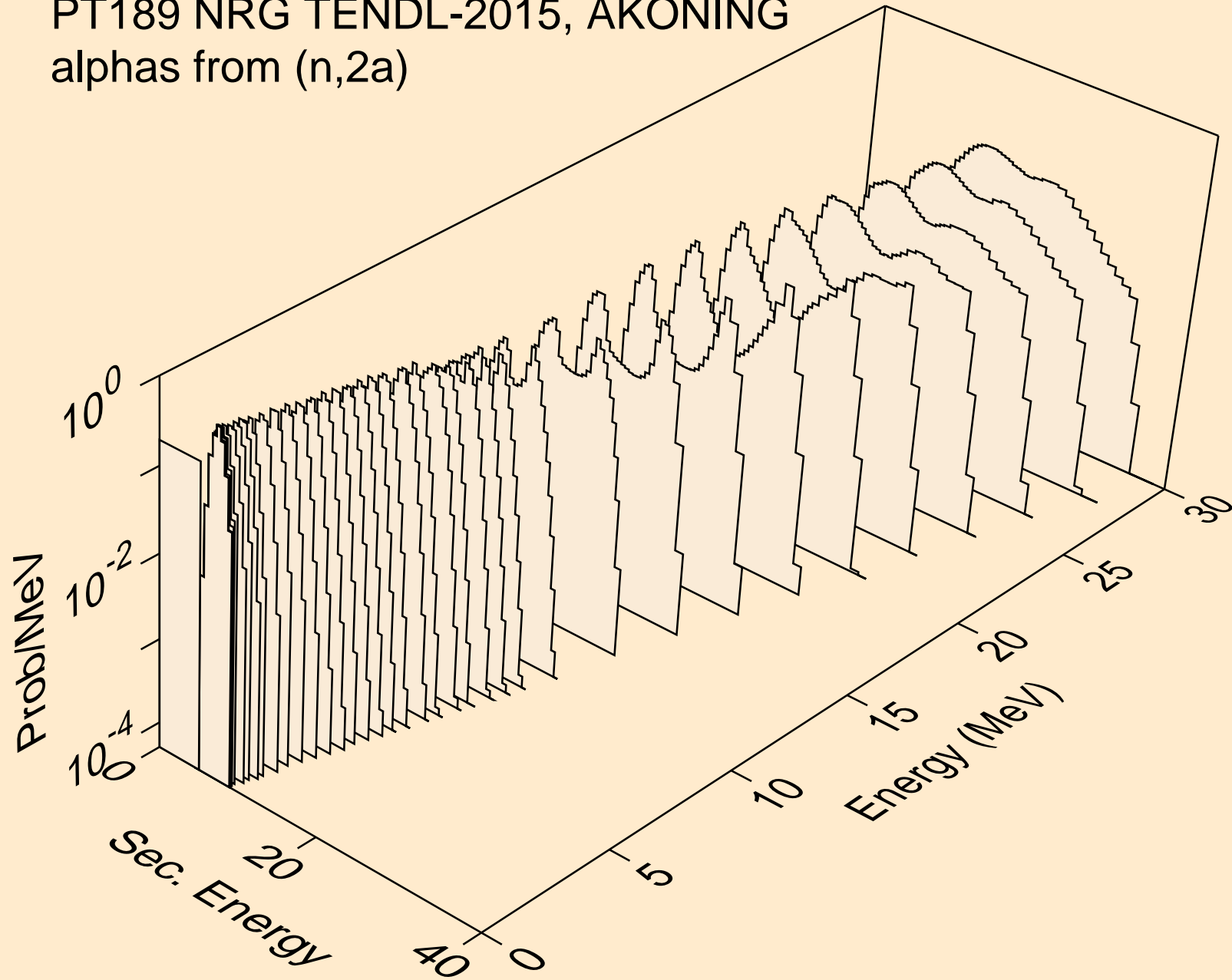
PT189 NRG TENDL-2015, AKONING  
alphas from (n,npa)



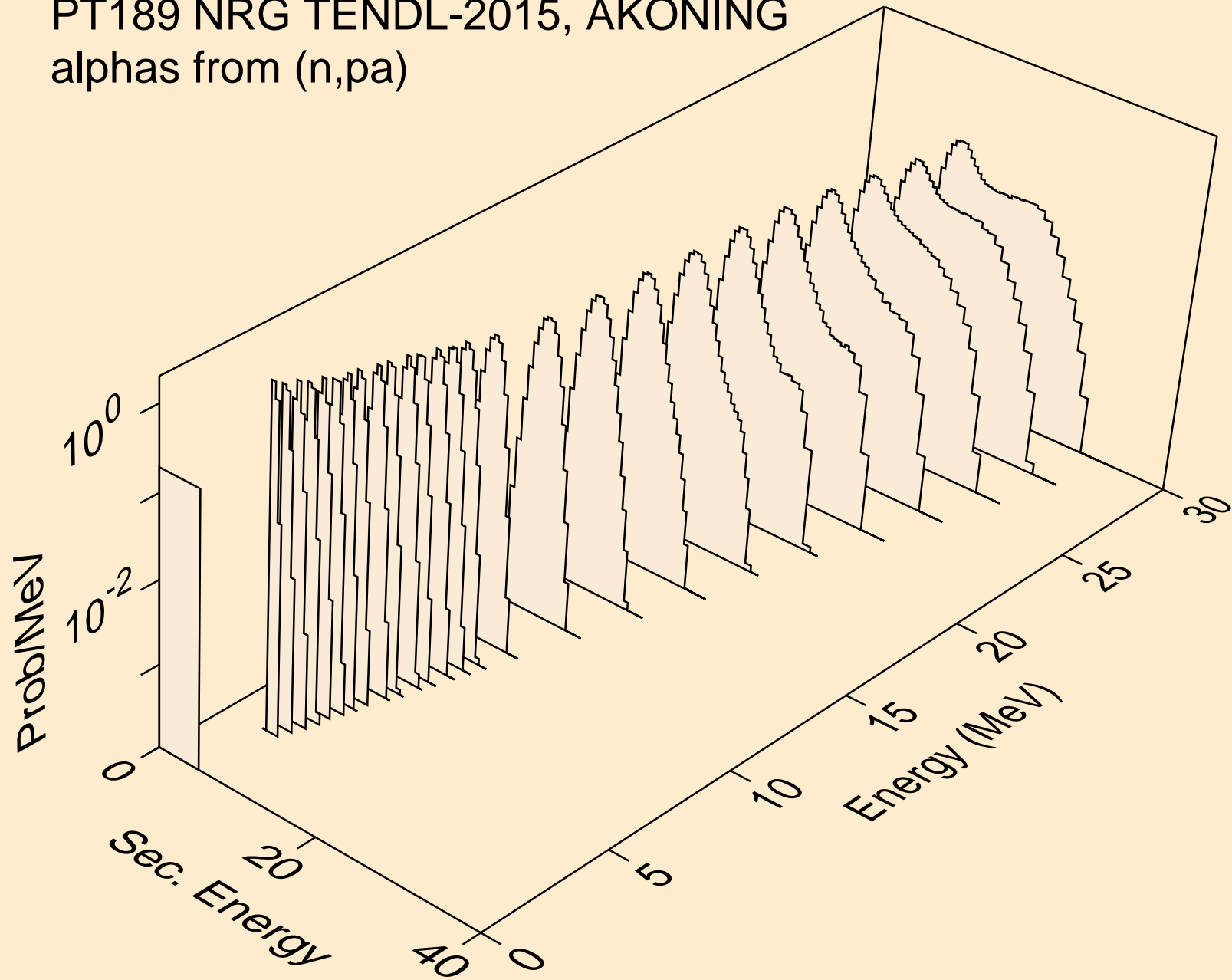
PT189 NRG TENDL-2015, AKONING  
alphas from (n,a)



PT189 NRG TENDL-2015, AKONING  
alphas from (n,2a)



PT189 NRG TENDL-2015, AKONING  
alphas from (n,pa)





PT189 NRG TENDL-2015, AKONING  
alphas from (n,da)

