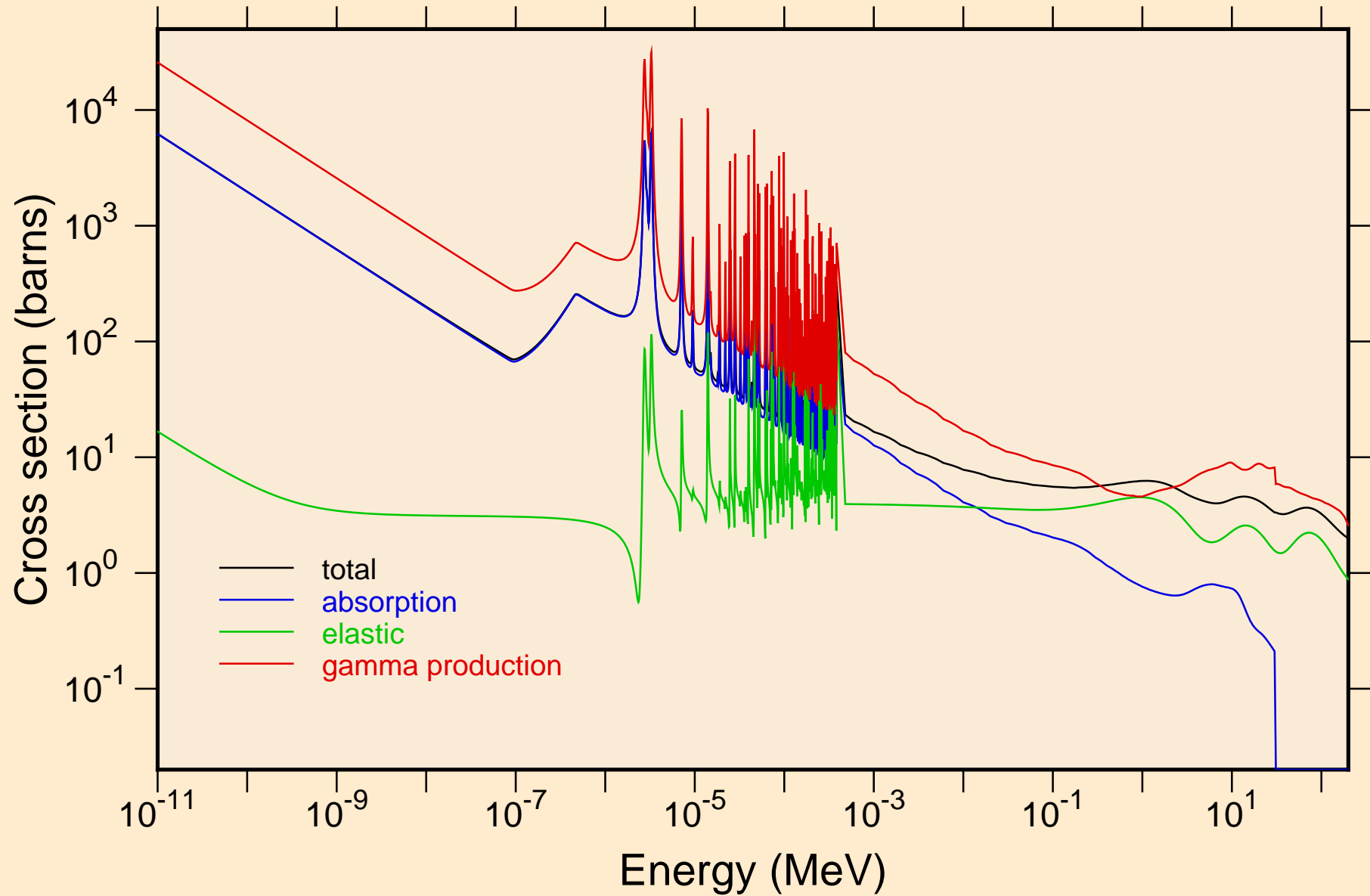
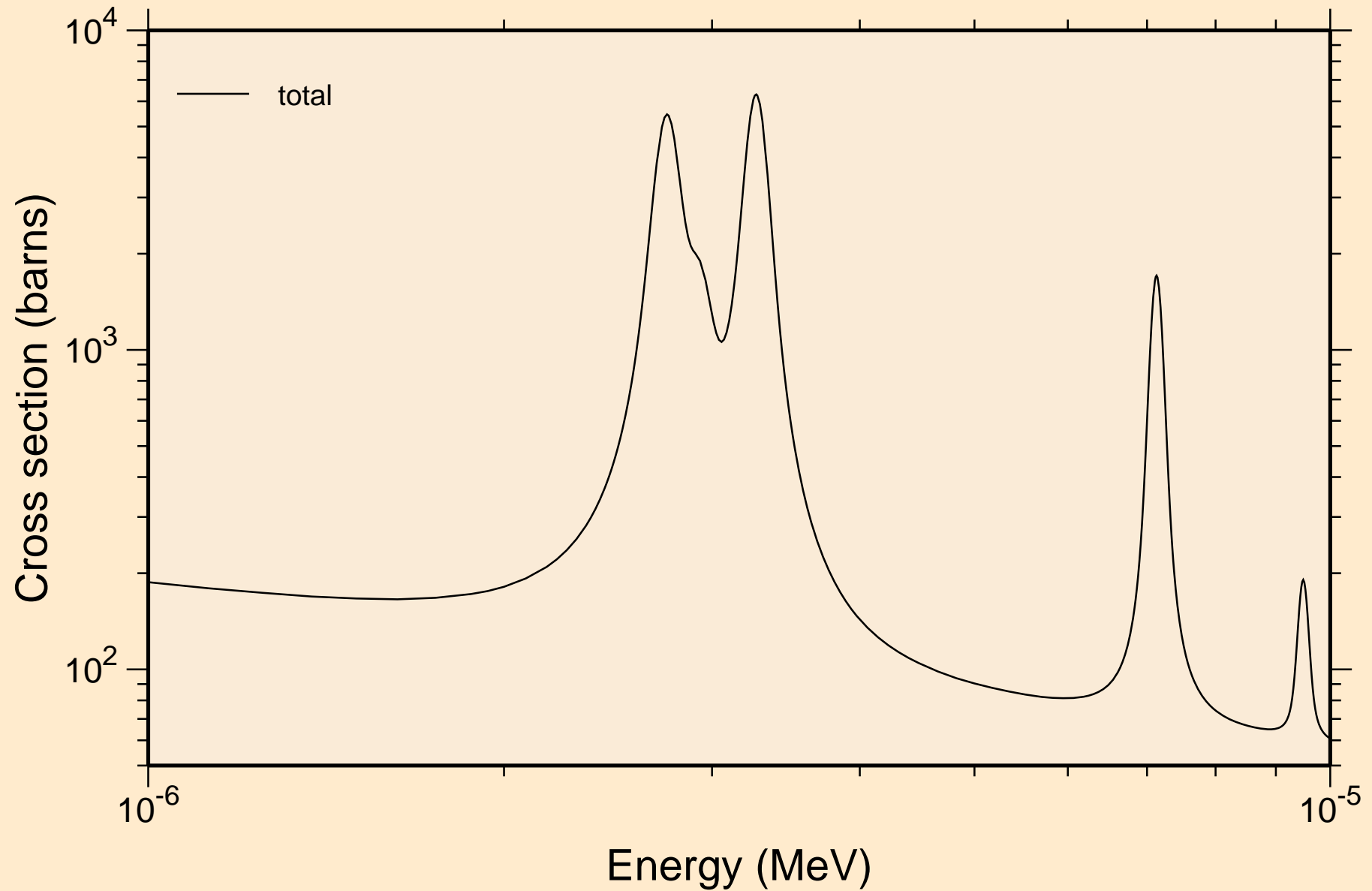


# XE119 NRG TENDL-2015, AKONING

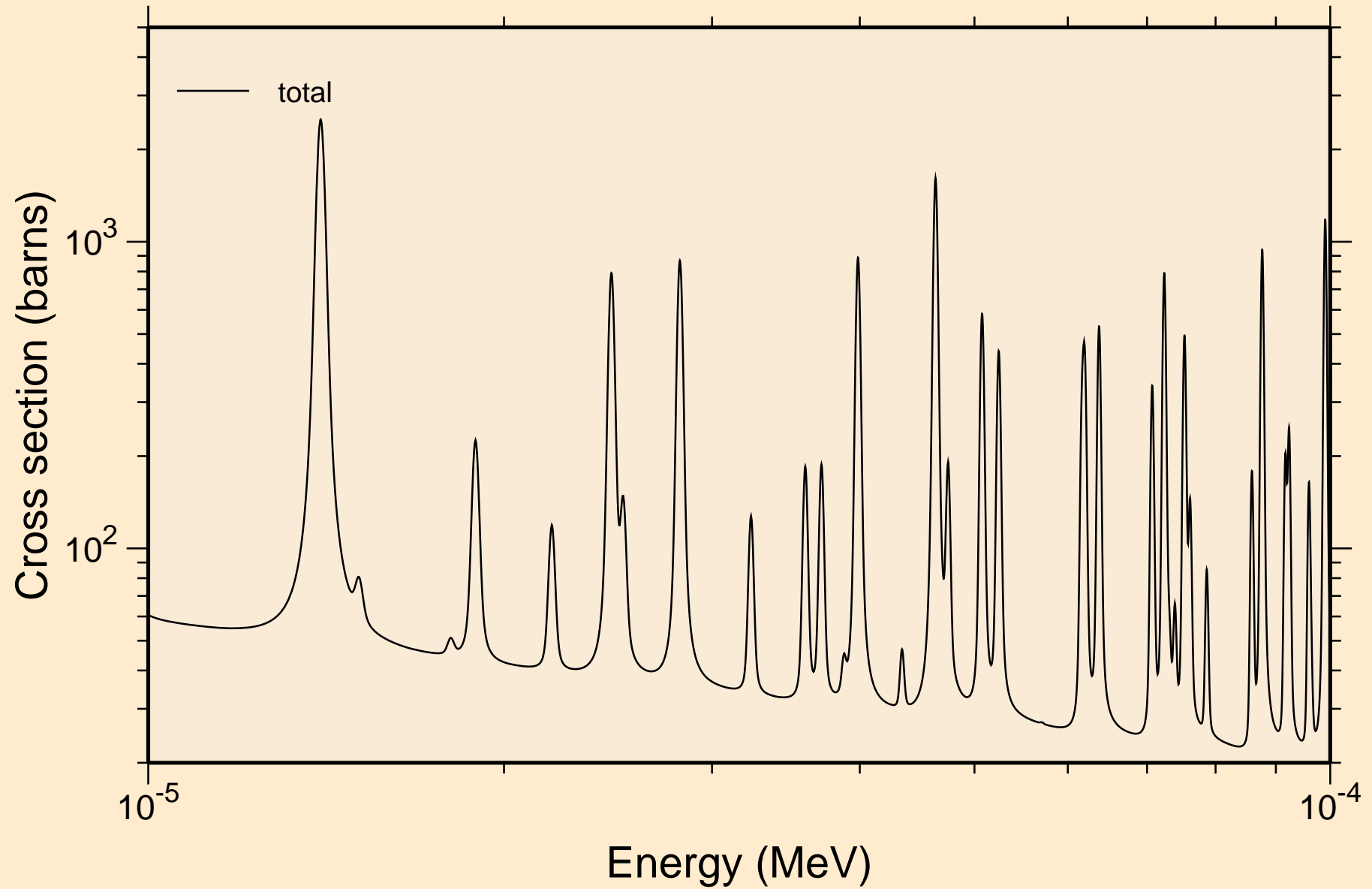
## Principal cross sections



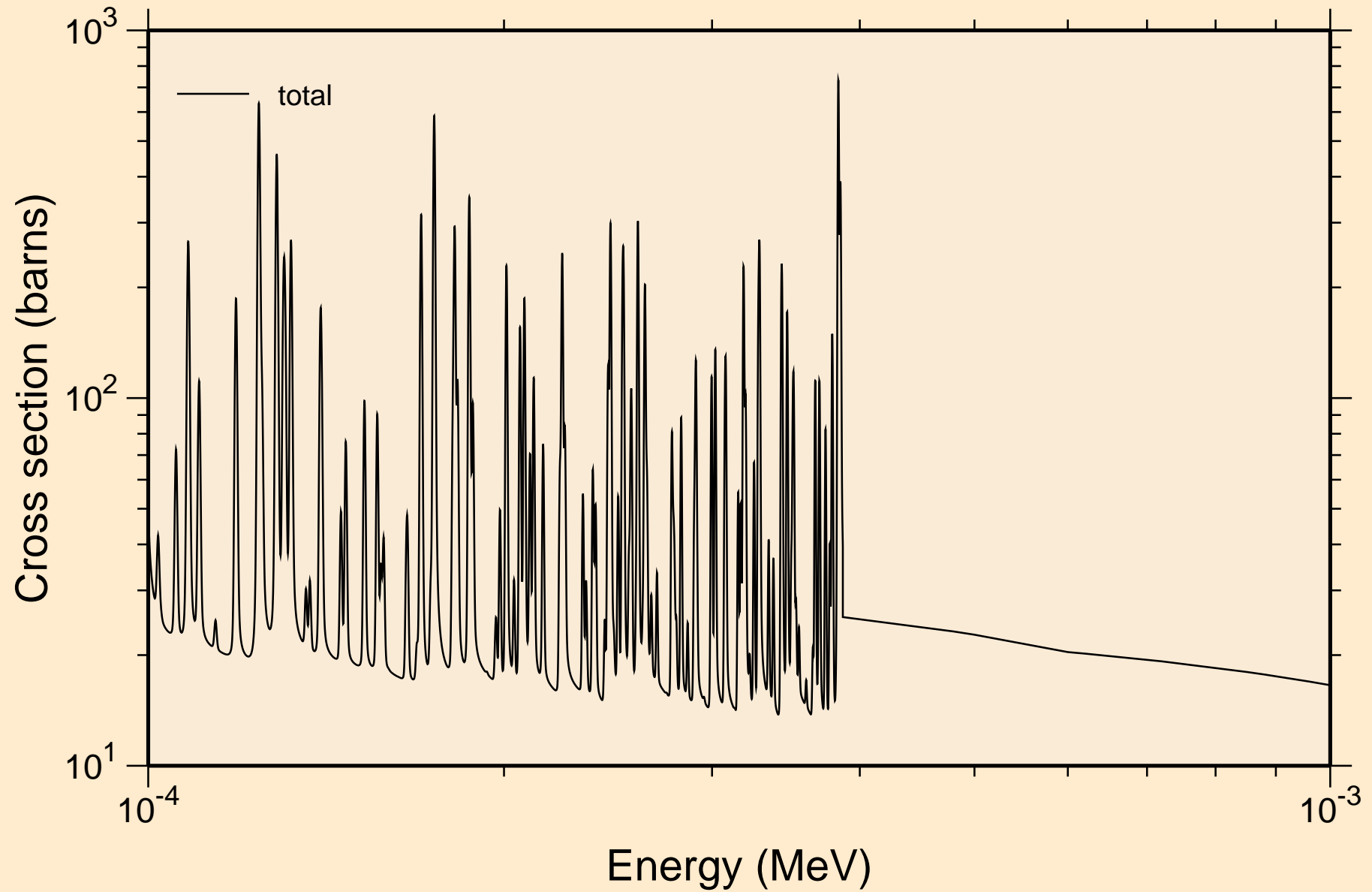
XE119 NRG TENDL-2015, AKONING  
resonance total cross section



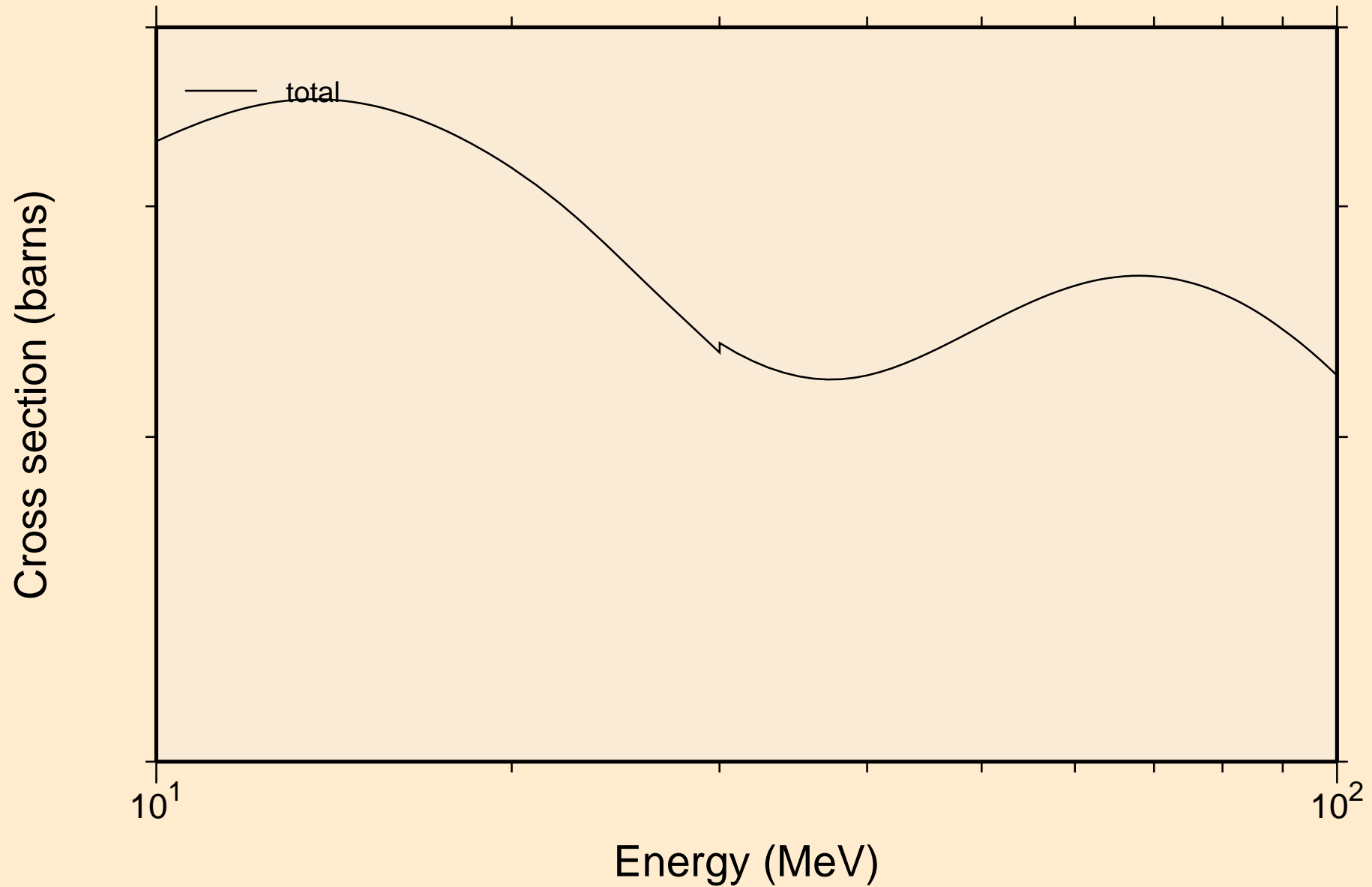
XE119 NRG TENDL-2015, AKONING  
resonance total cross section



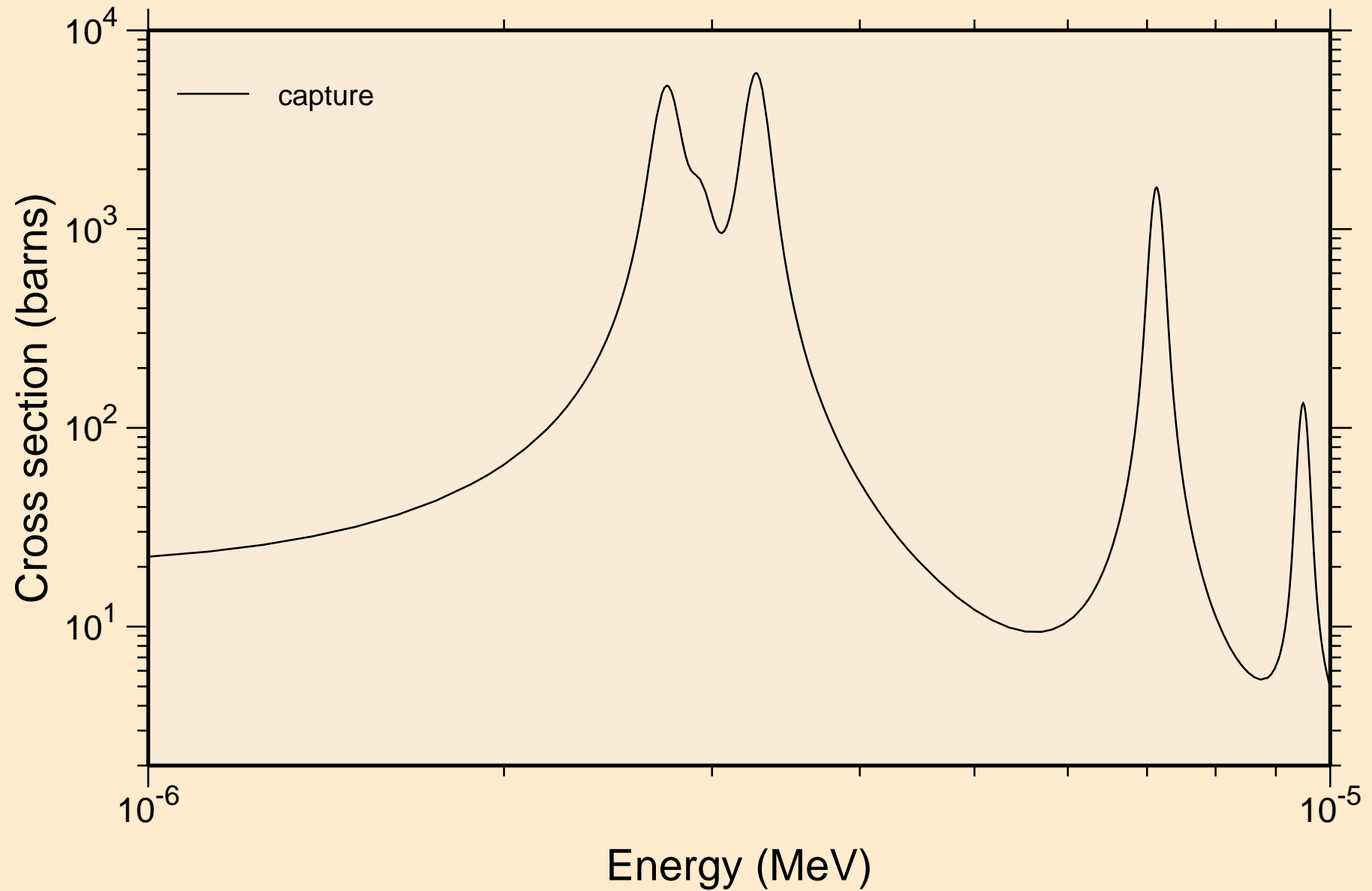
XE119 NRG TENDL-2015, AKONING  
resonance total cross section



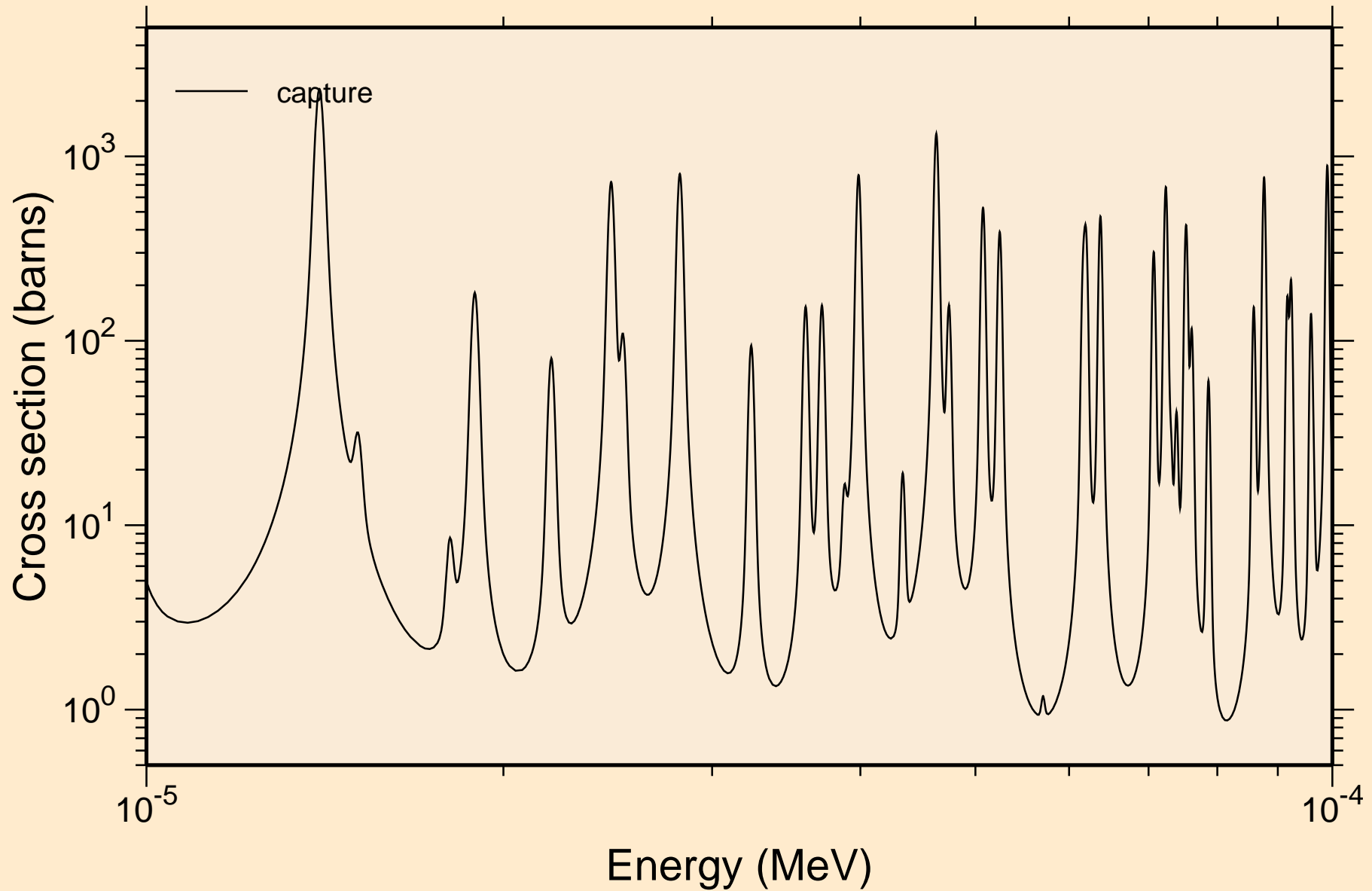
XE119 NRG TENDL-2015, AKONING  
resonance total cross section



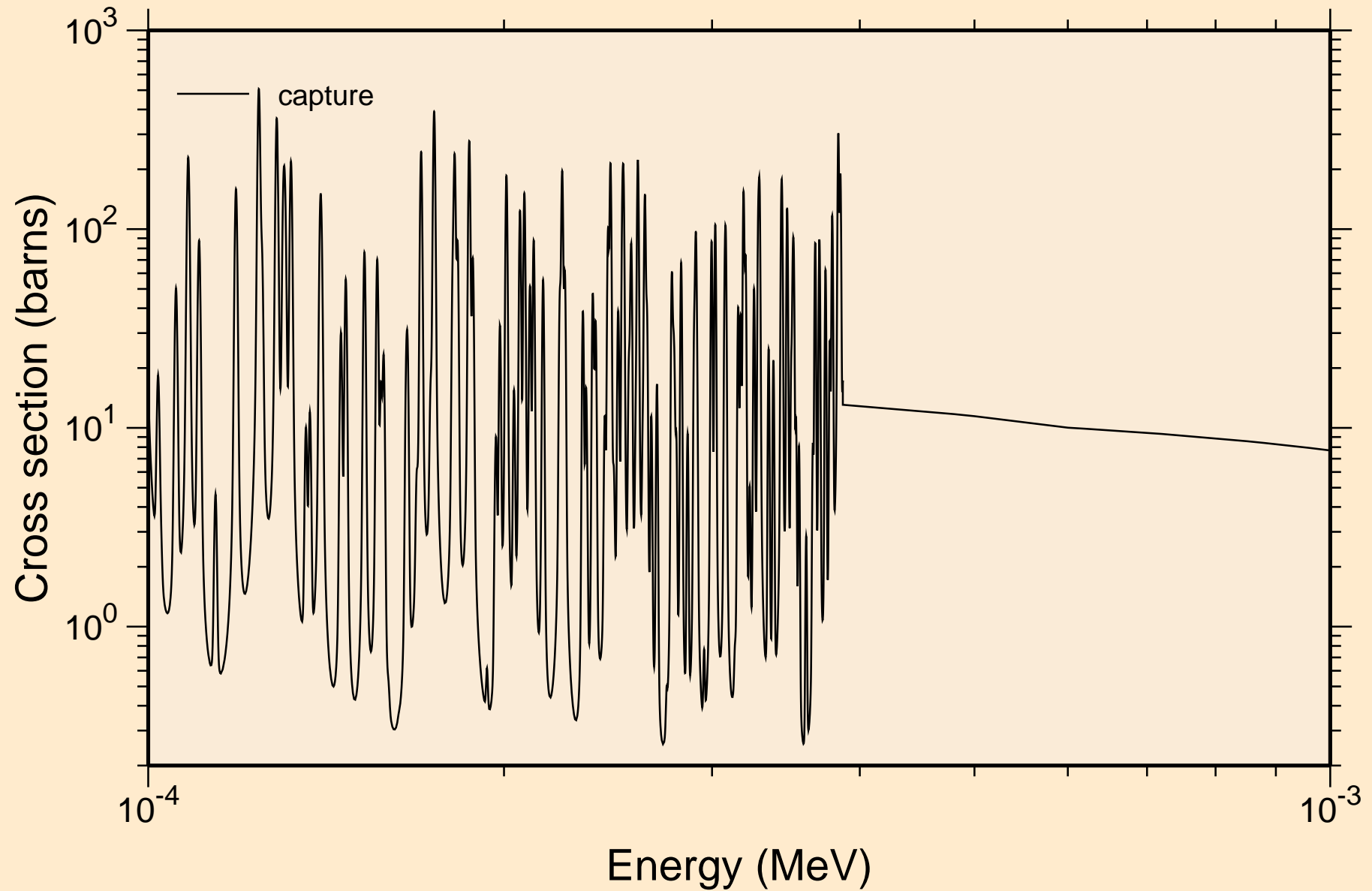
XE119 NRG TENDL-2015, AKONING  
resonance absorption cross sections



XE119 NRG TENDL-2015, AKONING  
resonance absorption cross sections

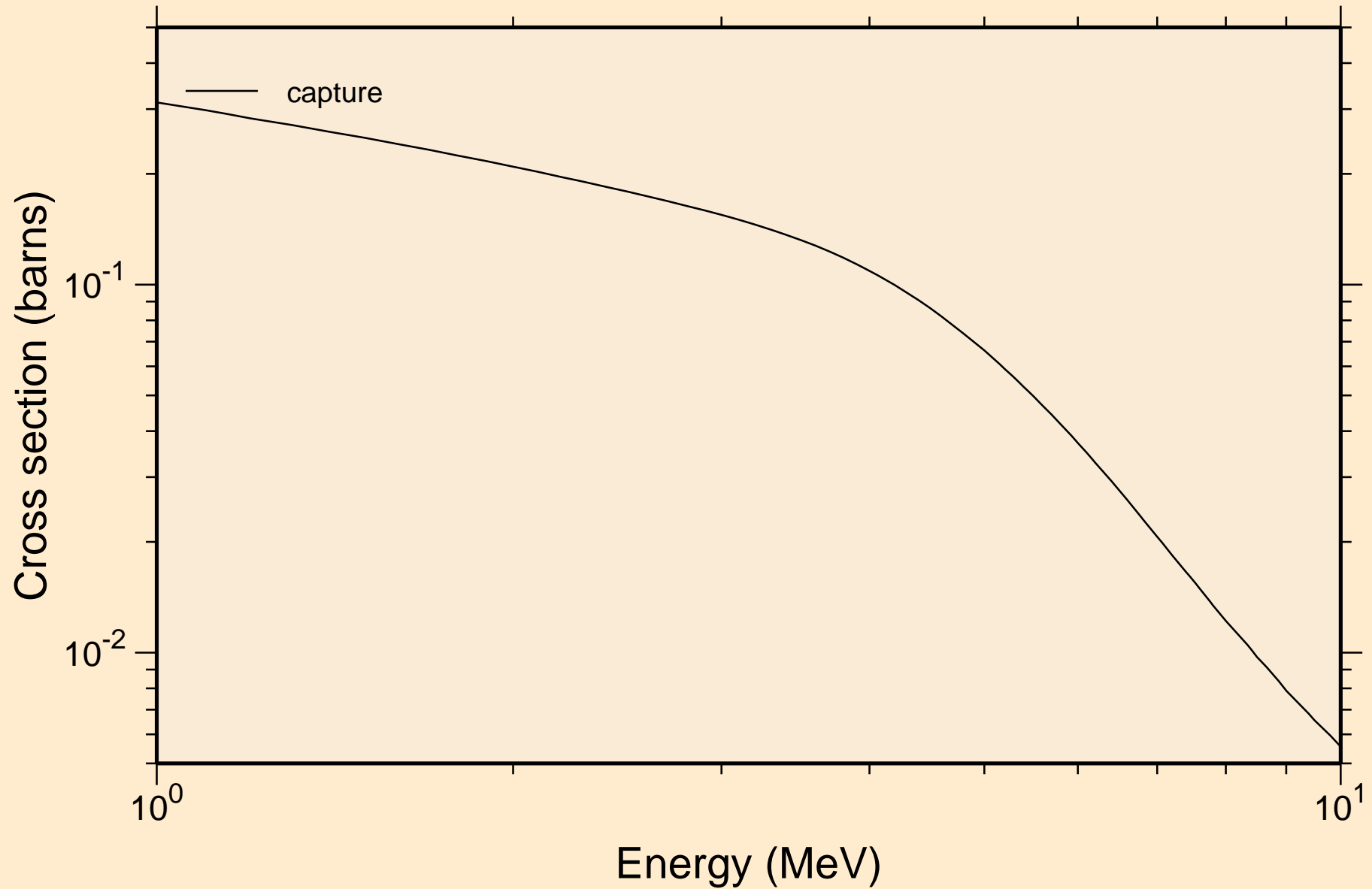


XE119 NRG TENDL-2015, AKONING  
resonance absorption cross sections



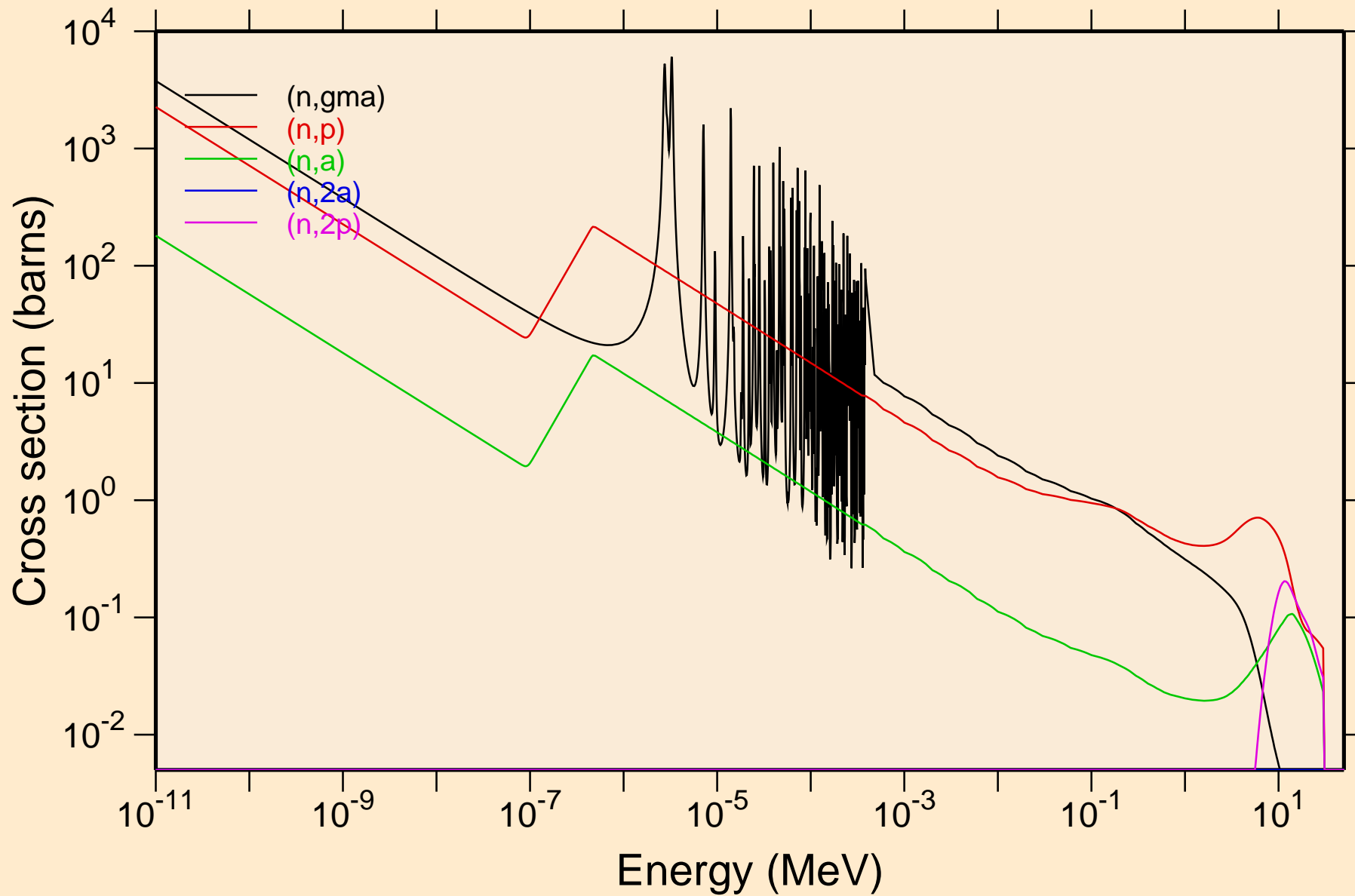


XE119 NRG TENDL-2015, AKONING  
resonance absorption cross sections

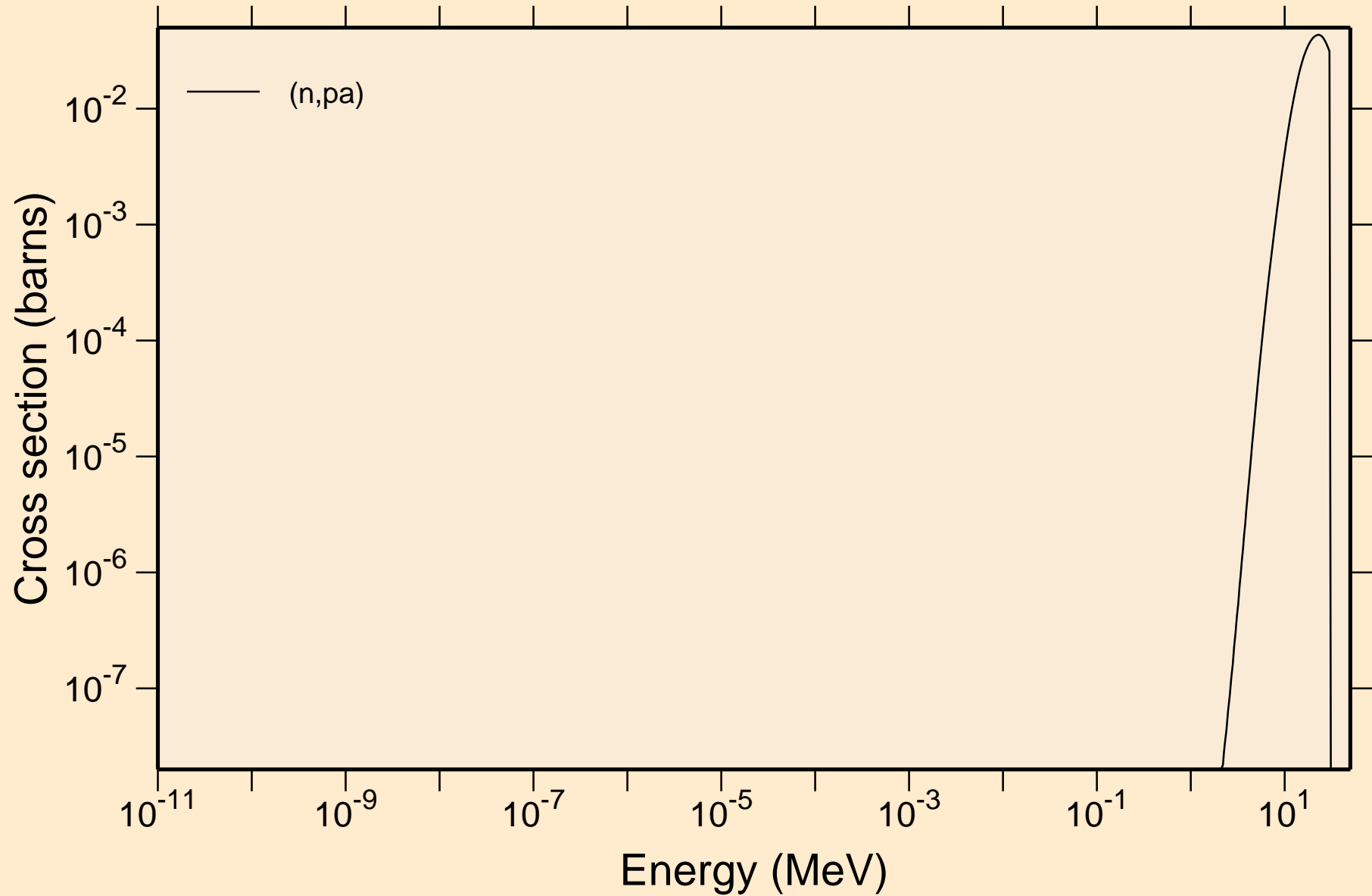


# XE119 NRG TENDL-2015, AKONING

## Non-threshold reactions

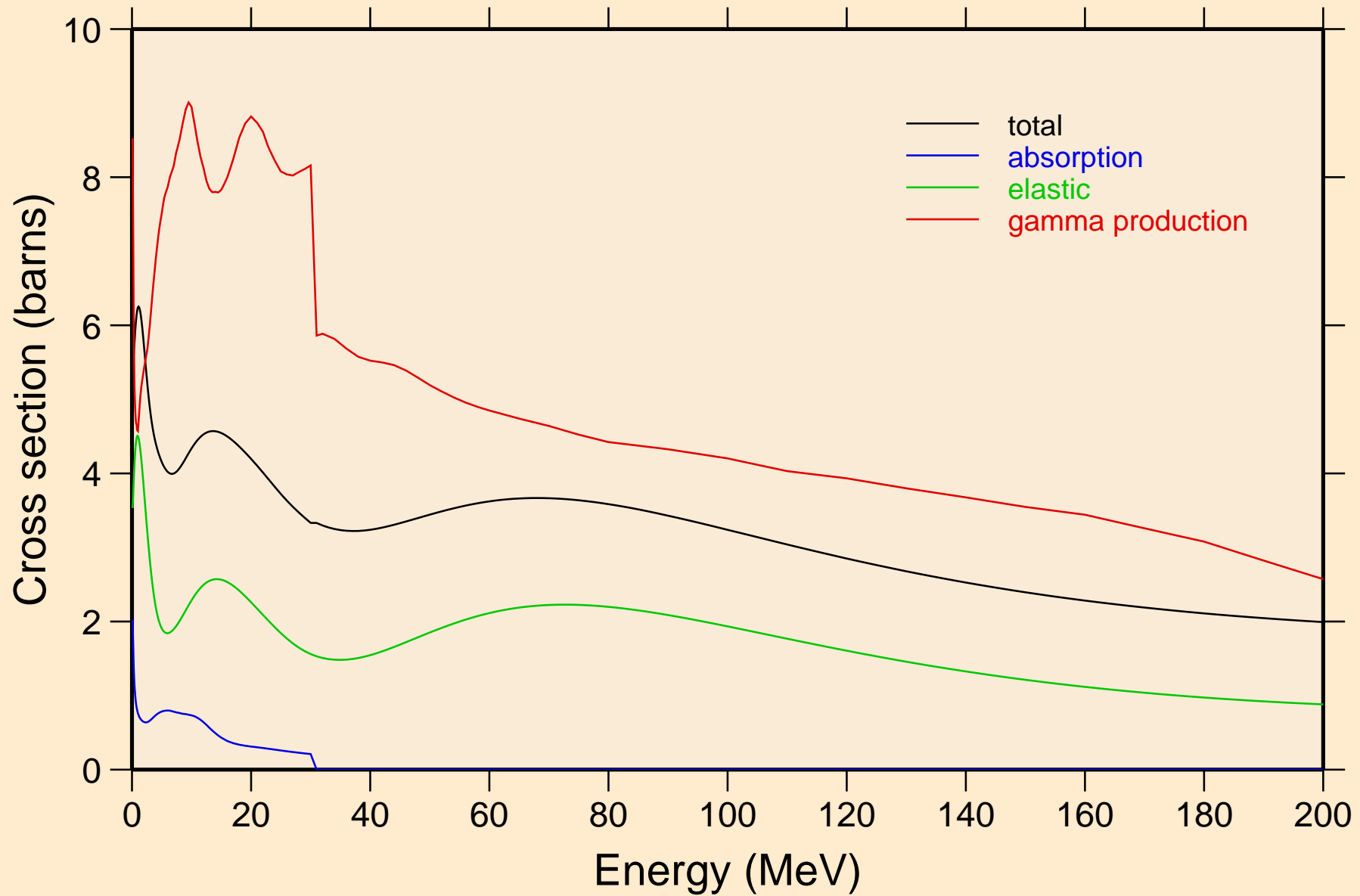


XE119 NRG TENDL-2015, AKONING  
Non-threshold reactions



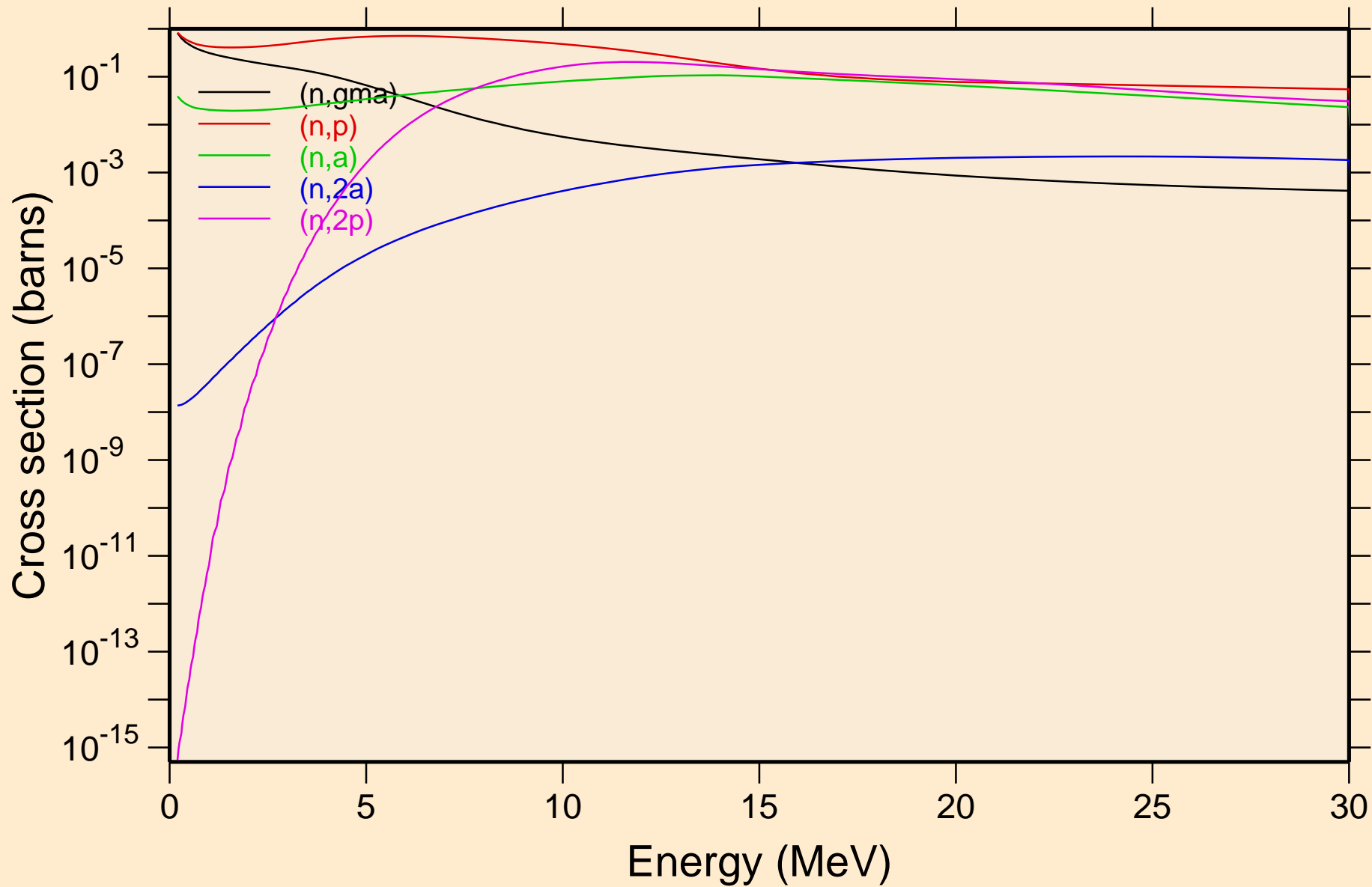
# XE119 NRG TENDL-2015, AKONING

## Principal cross sections

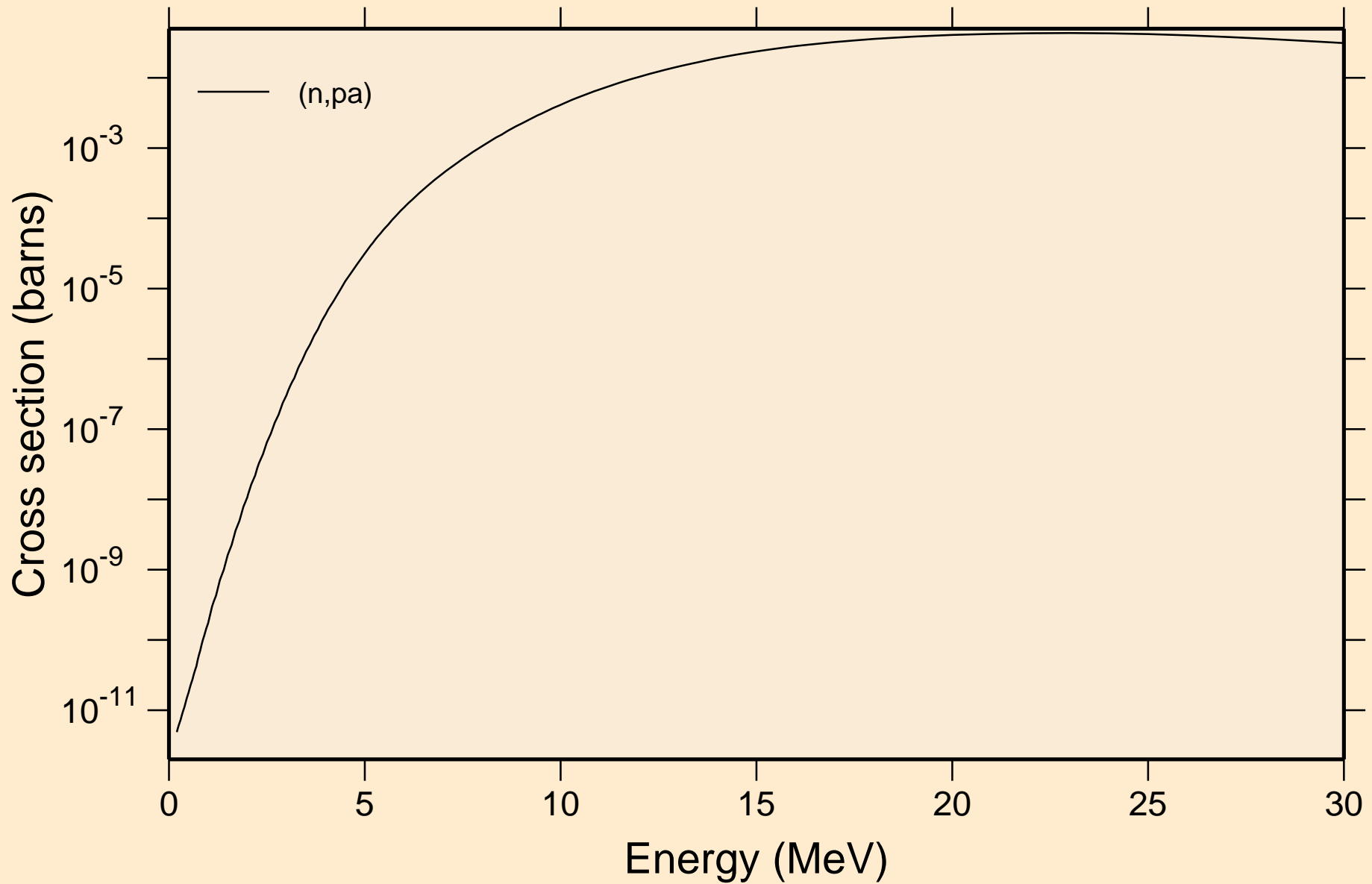


# XE119 NRG TENDL-2015, AKONING

## Non-threshold reactions

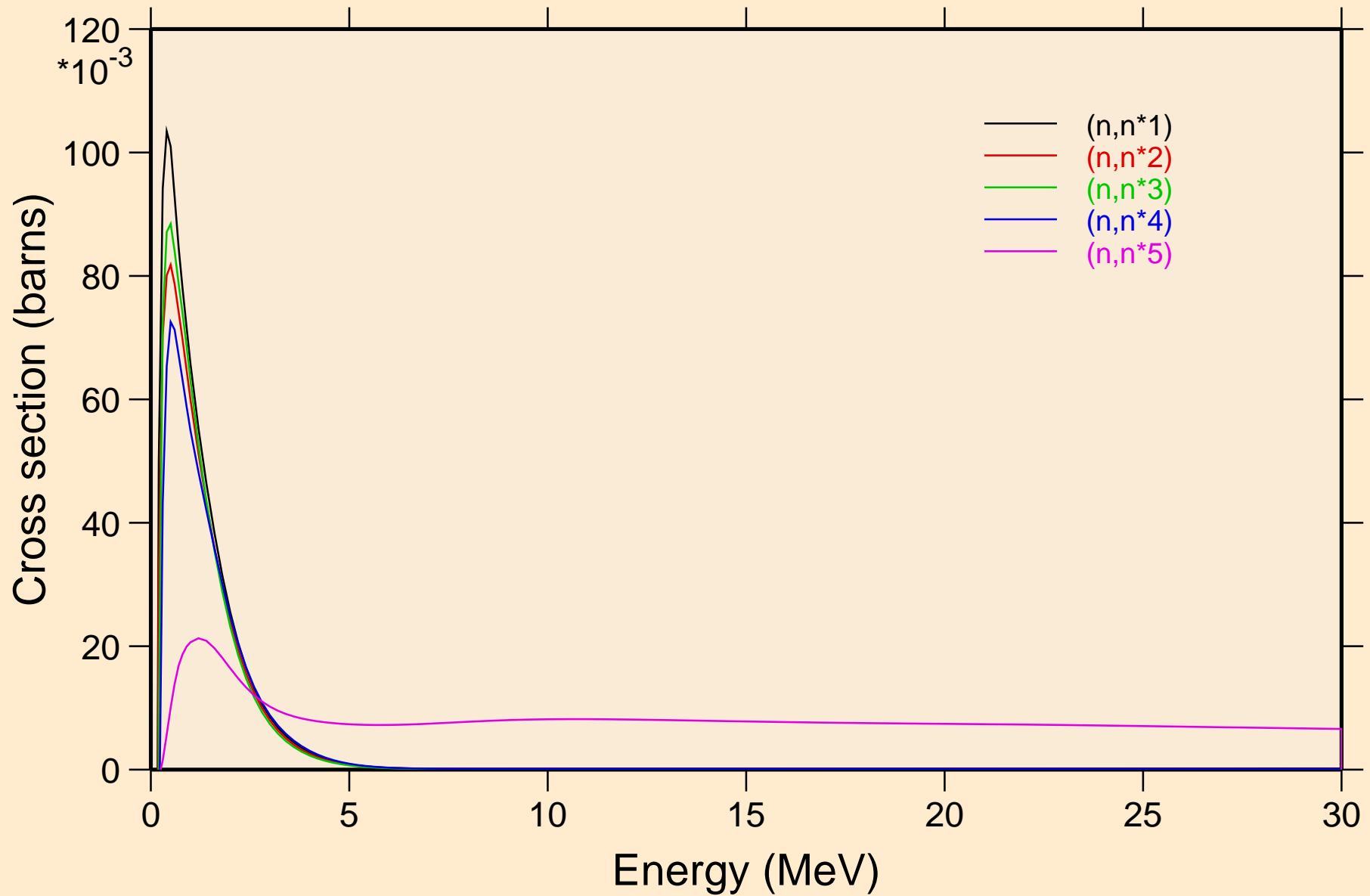


XE119 NRG TENDL-2015, AKONING  
Non-threshold reactions



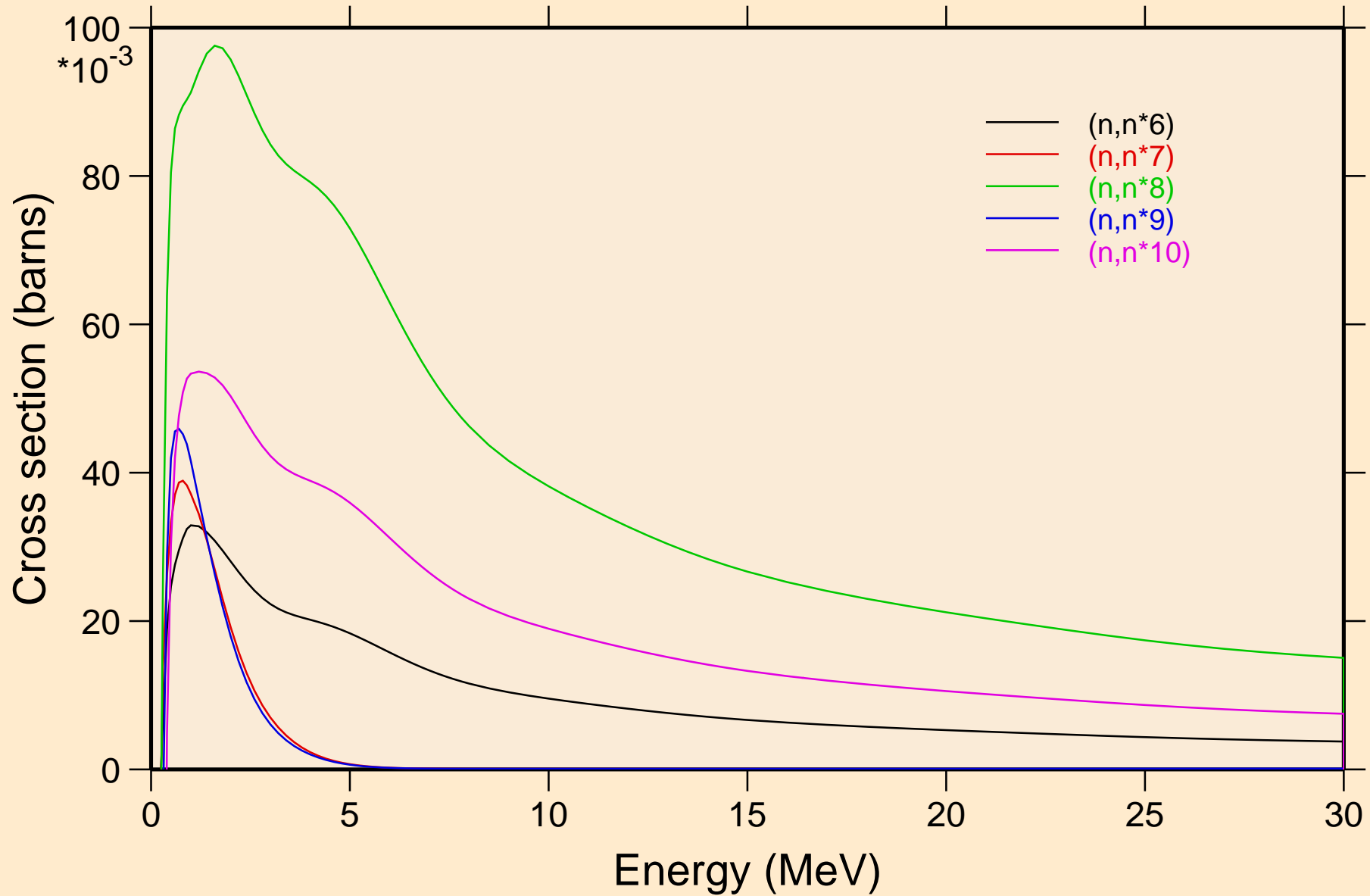
# XE119 NRG TENDL-2015, AKONING

## Inelastic levels



# XE119 NRG TENDL-2015, AKONING

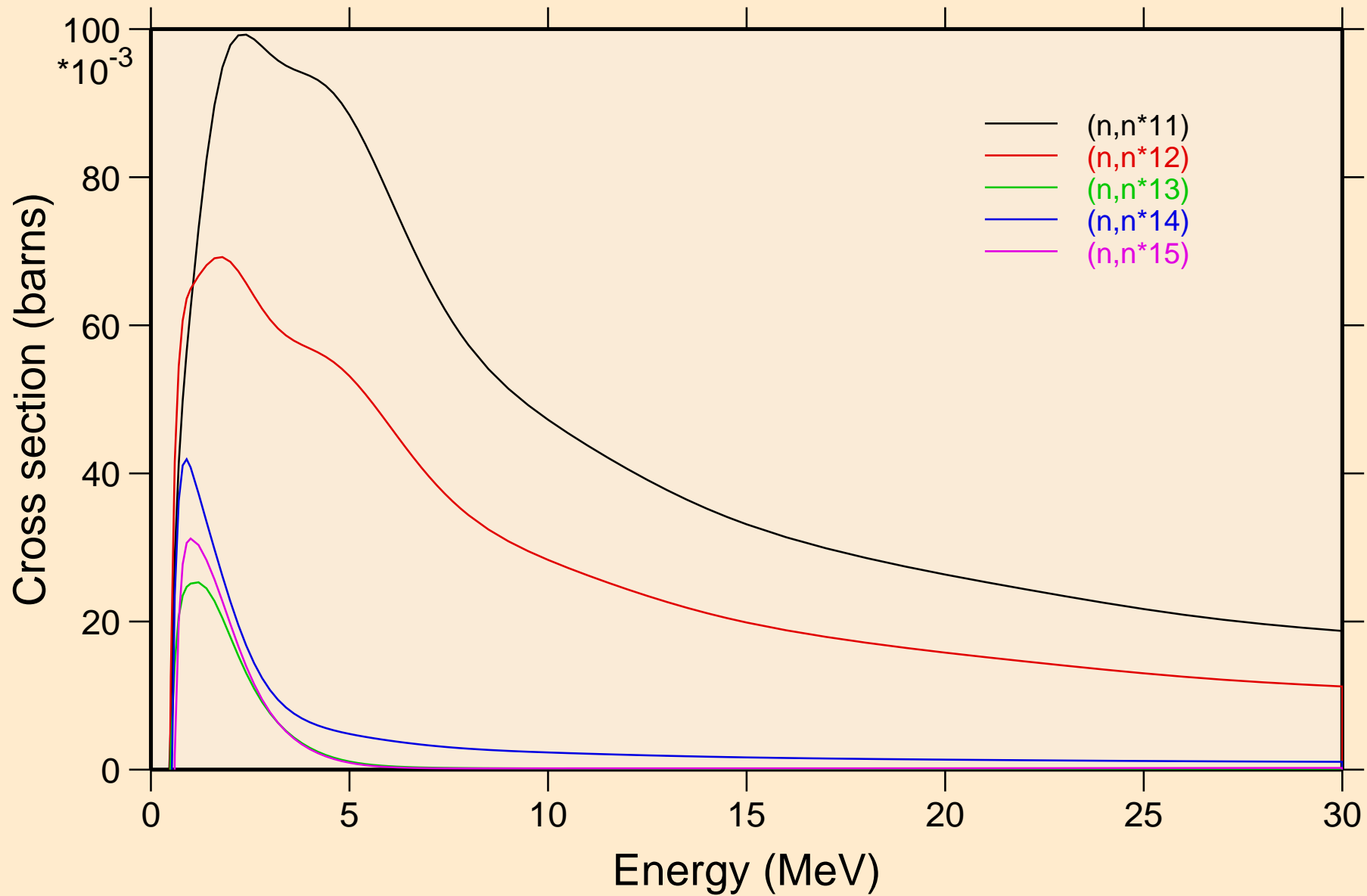
## Inelastic levels





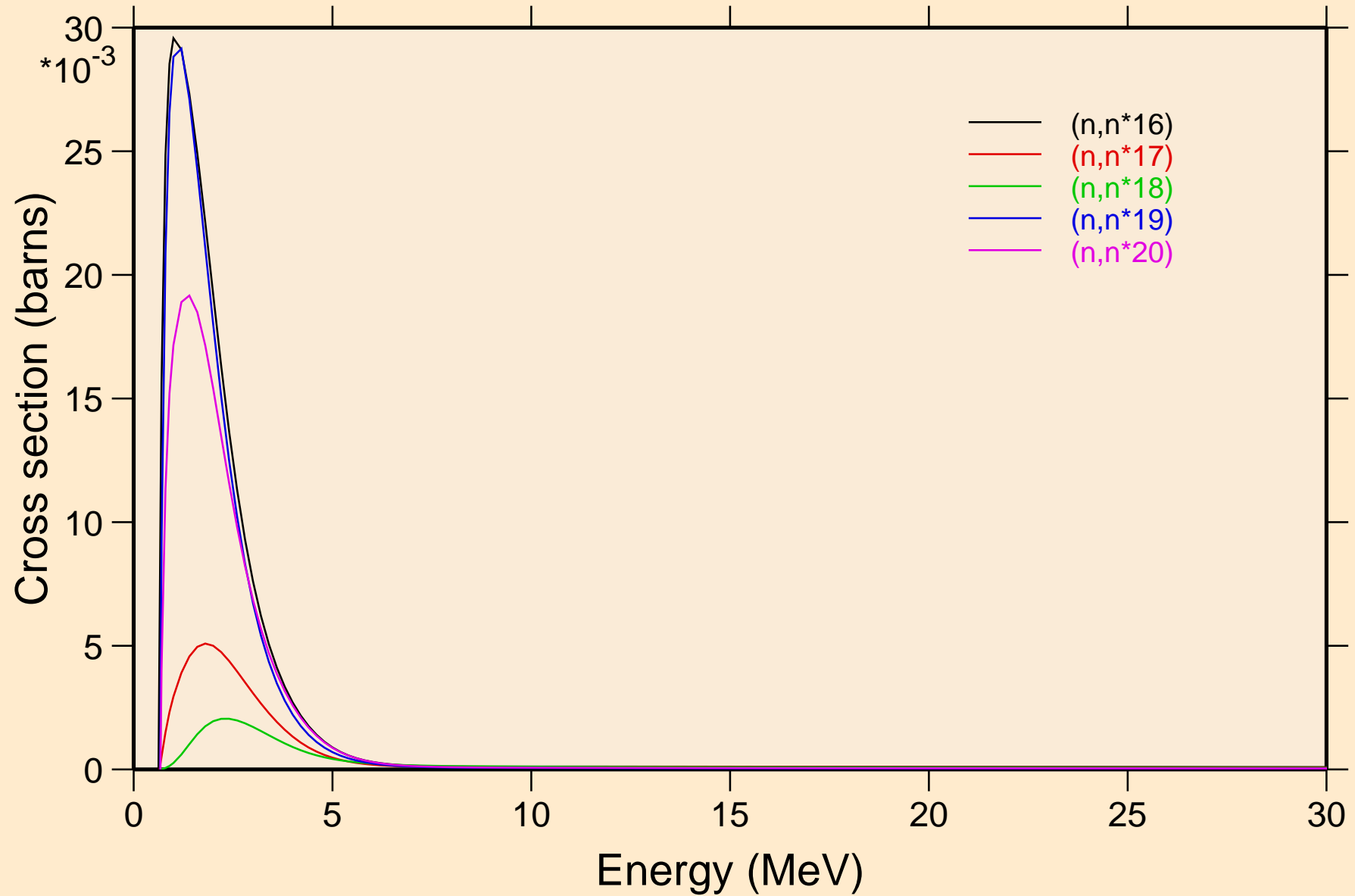
# XE119 NRG TENDL-2015, AKONING

## Inelastic levels



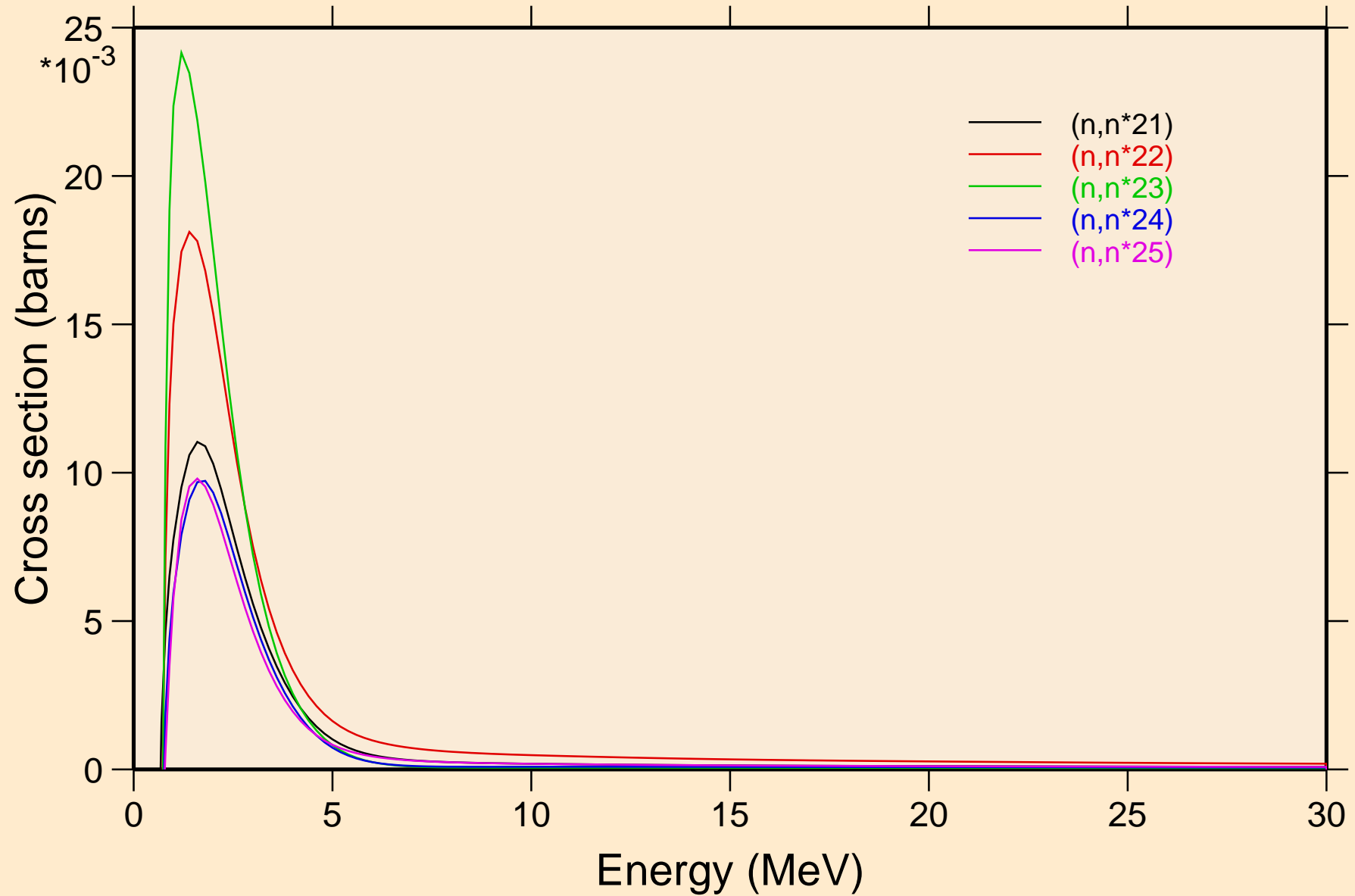
# XE119 NRG TENDL-2015, AKONING

## Inelastic levels



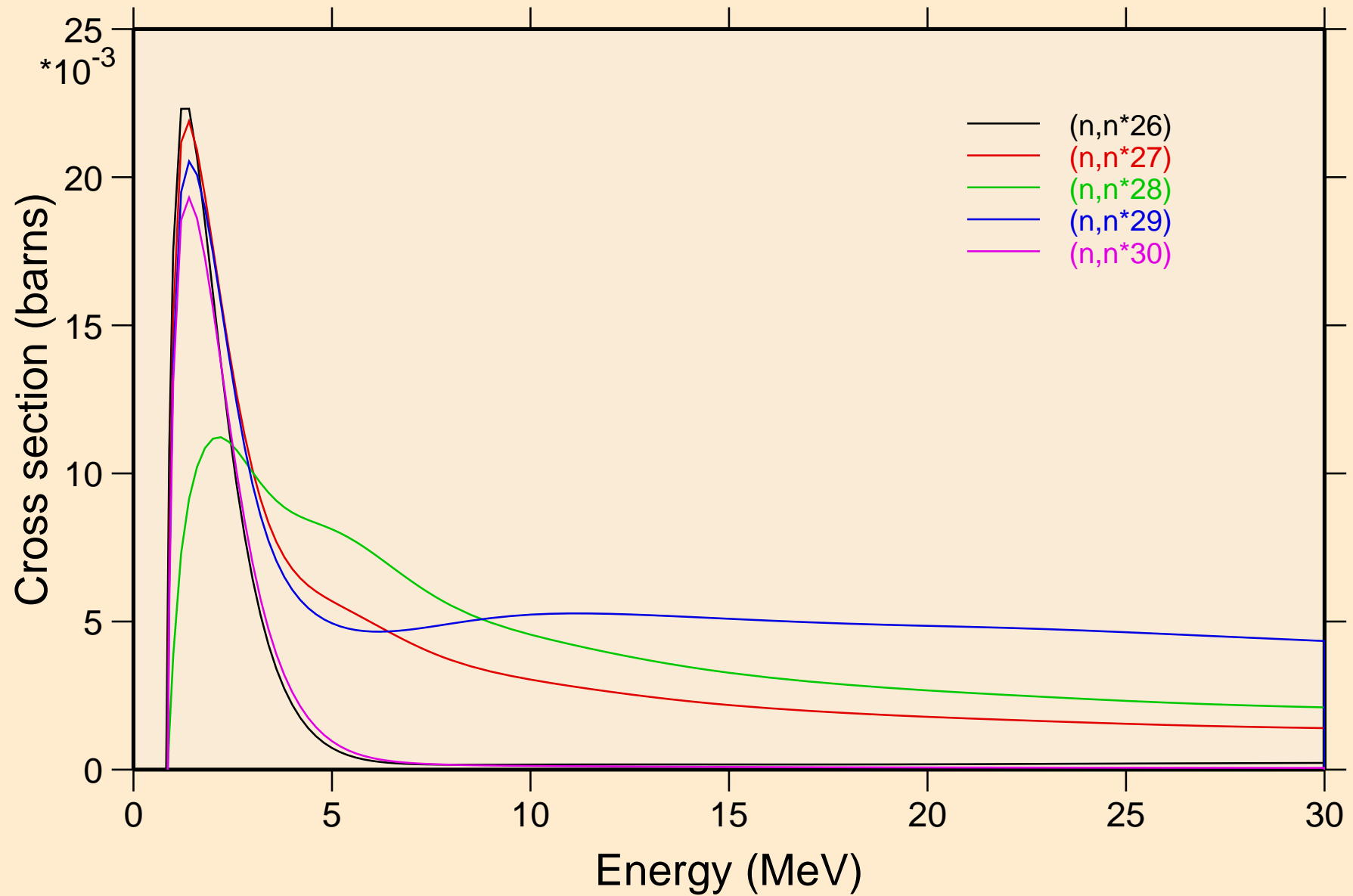
# XE119 NRG TENDL-2015, AKONING

## Inelastic levels



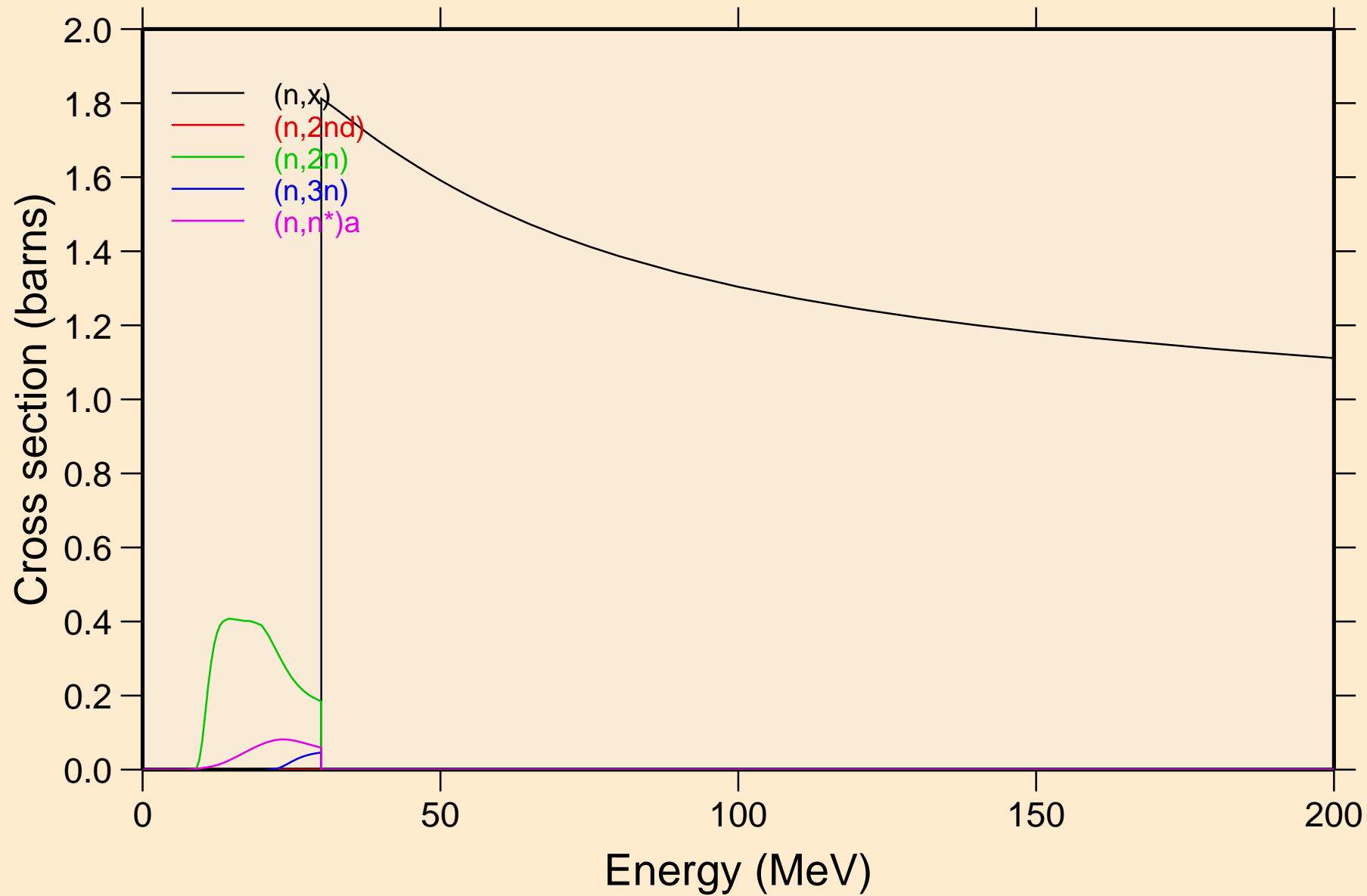
# XE119 NRG TENDL-2015, AKONING

## Inelastic levels



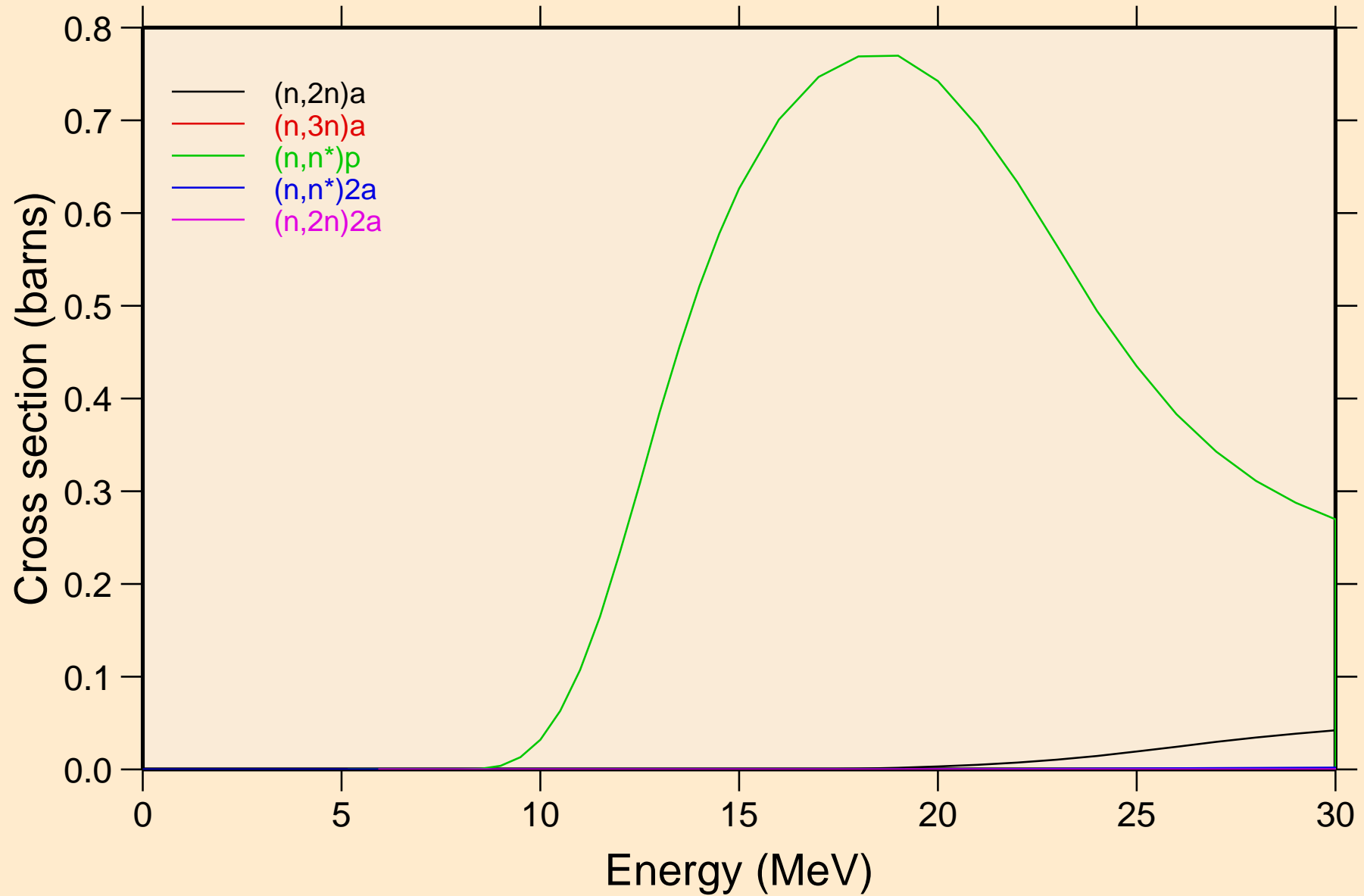
# XE119 NRG TENDL-2015, AKONING

## Threshold reactions



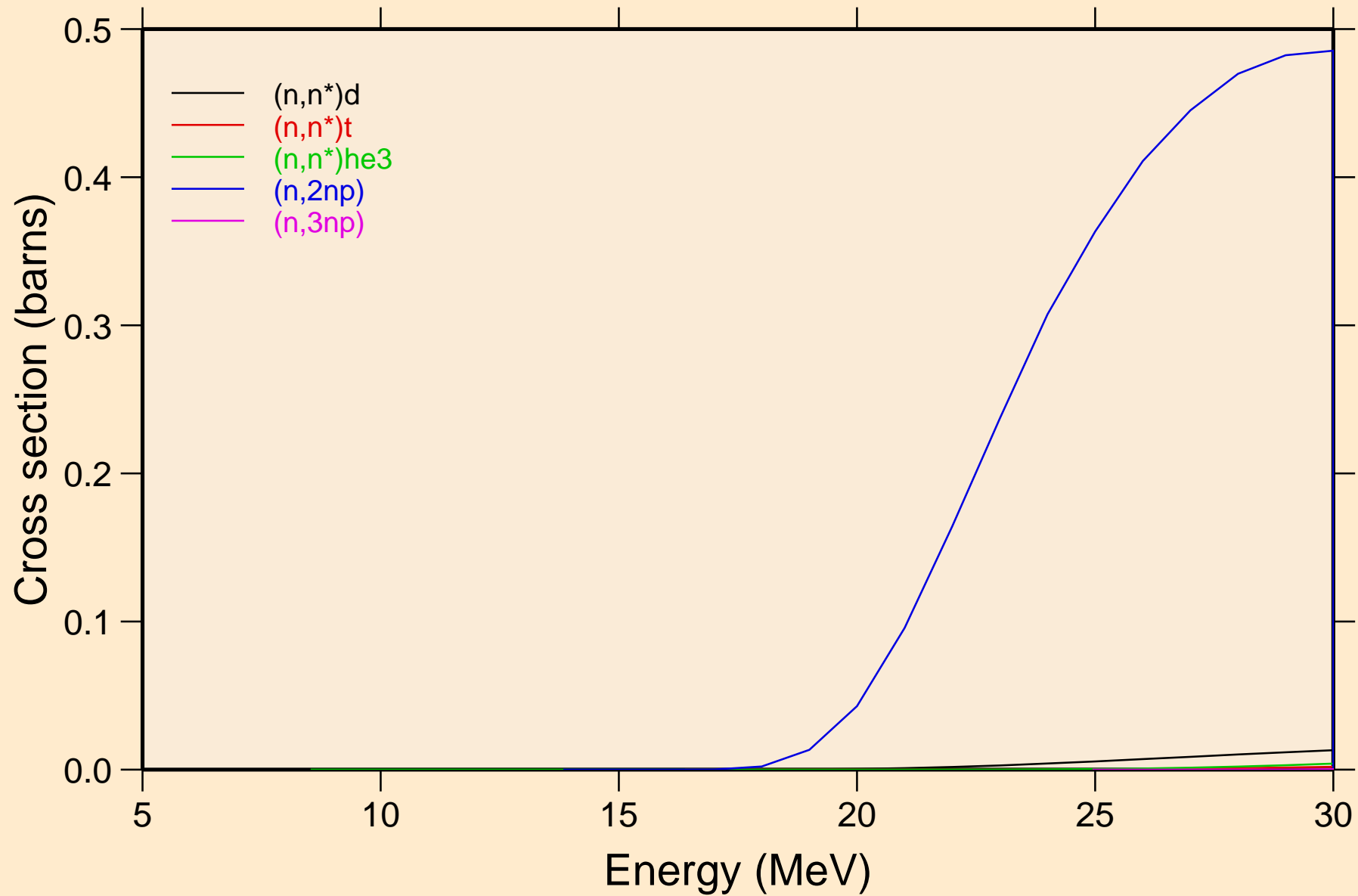
# XE119 NRG TENDL-2015, AKONING

## Threshold reactions



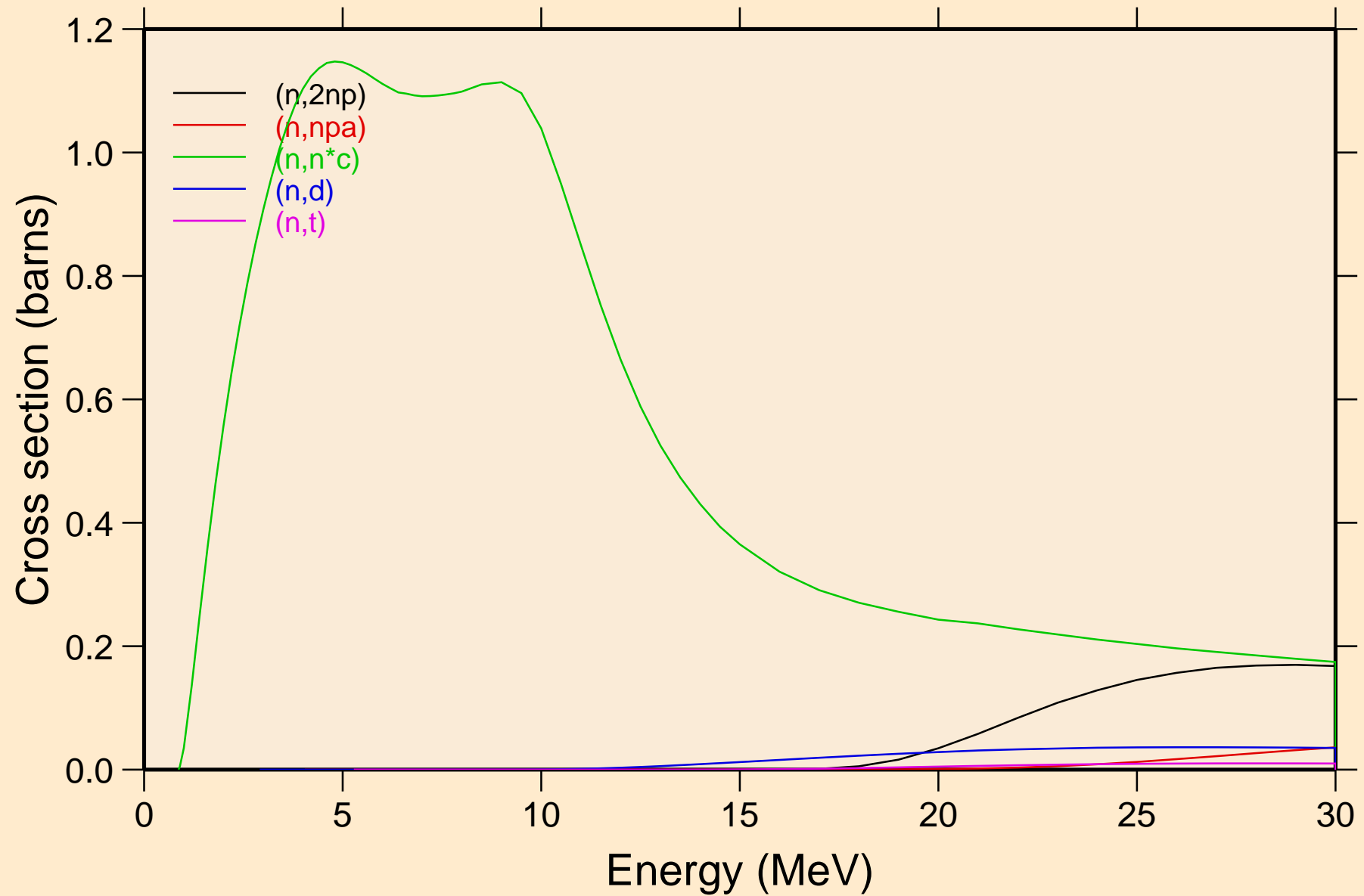
# XE119 NRG TENDL-2015, AKONING

## Threshold reactions



# XE119 NRG TENDL-2015, AKONING

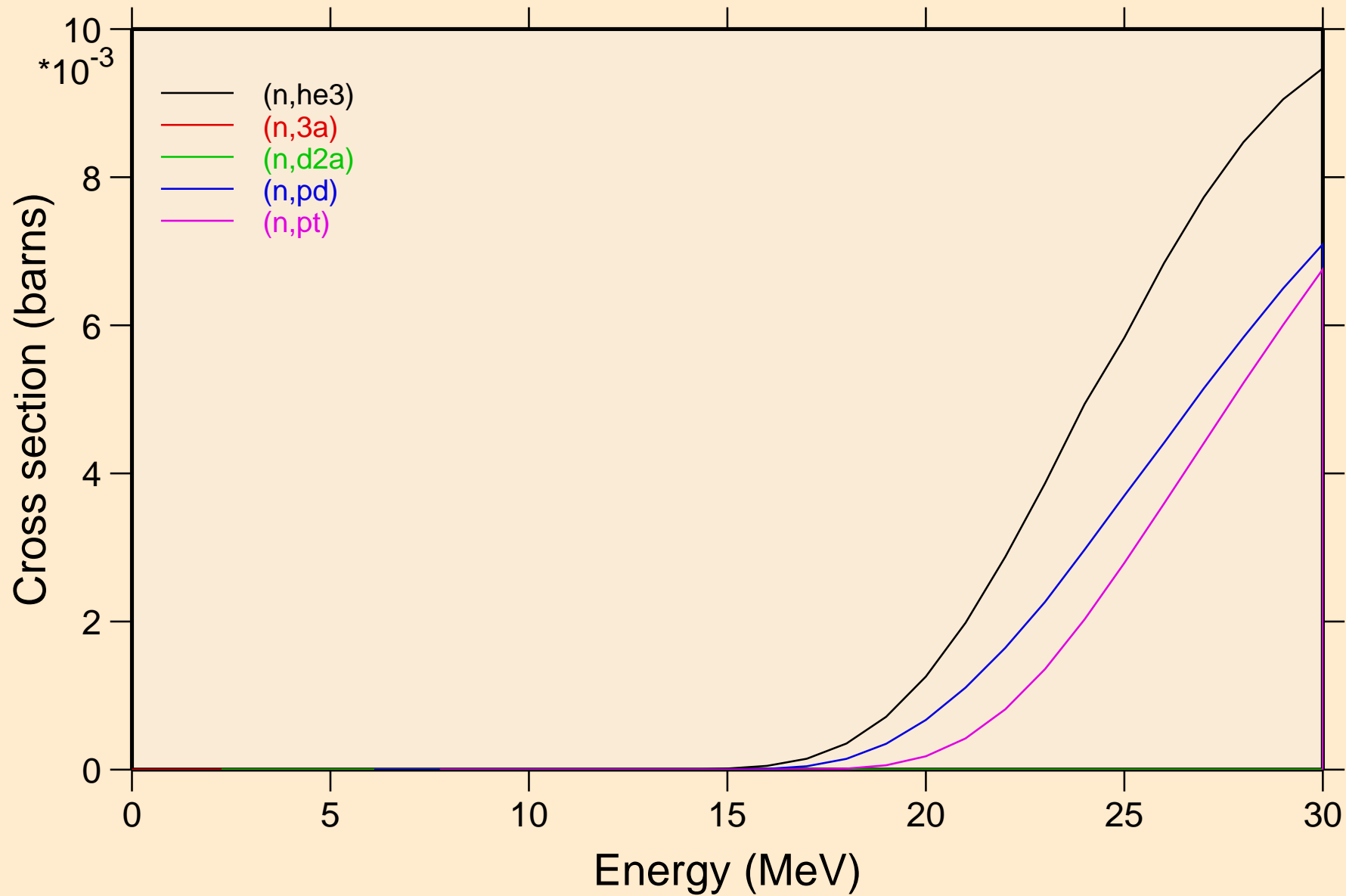
## Threshold reactions





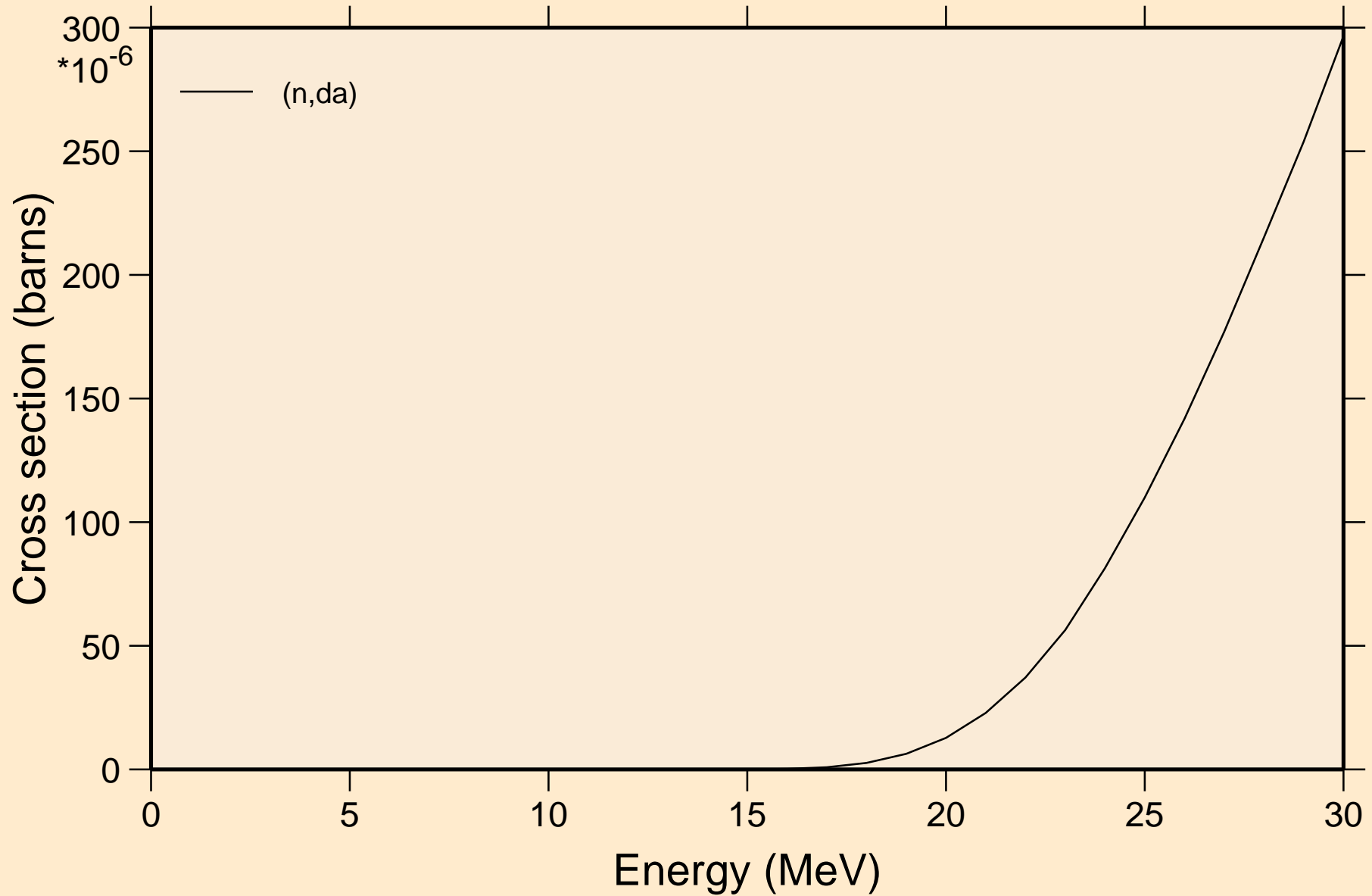
# XE119 NRG TENDL-2015, AKONING

## Threshold reactions

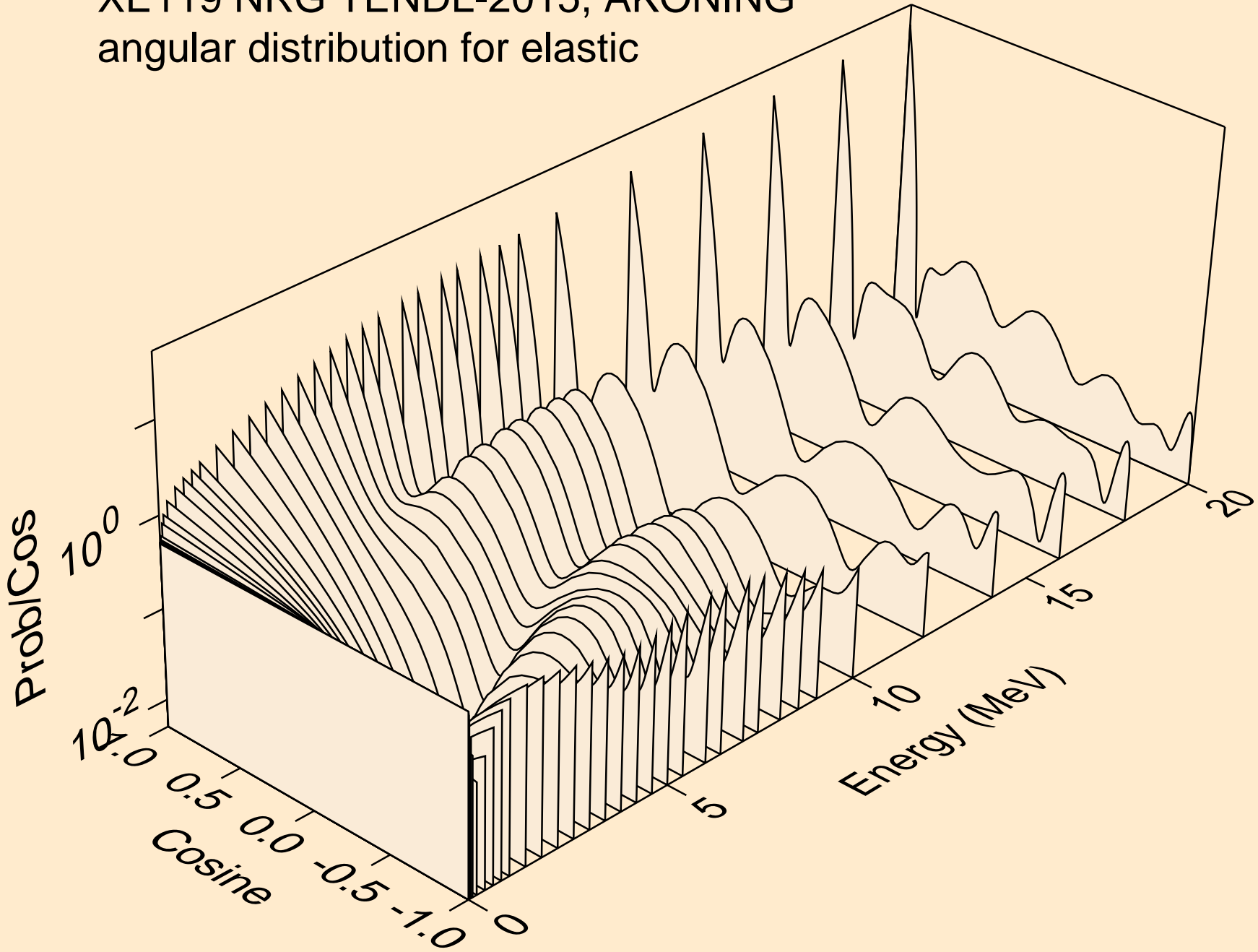


# XE119 NRG TENDL-2015, AKONING

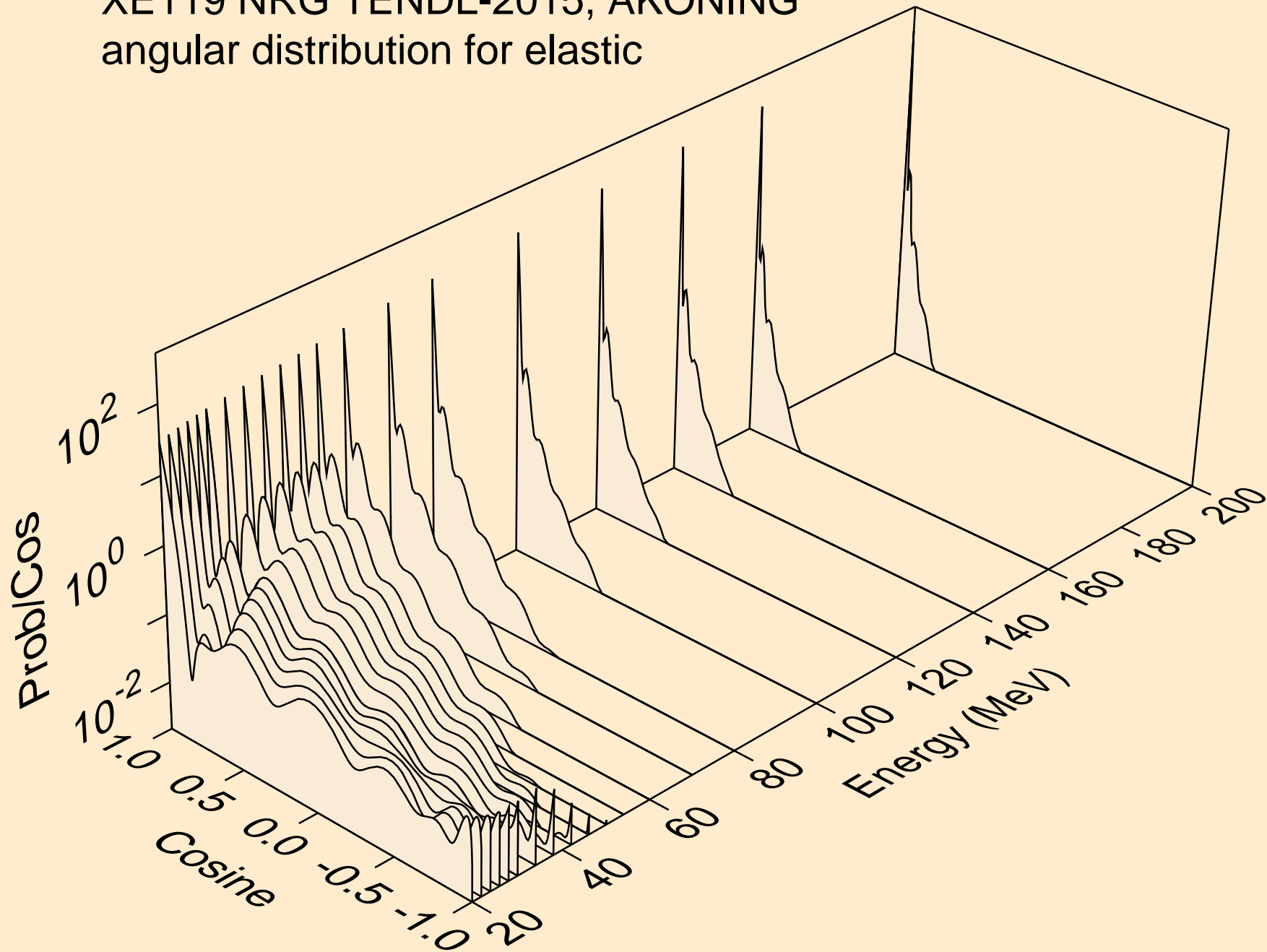
## Threshold reactions



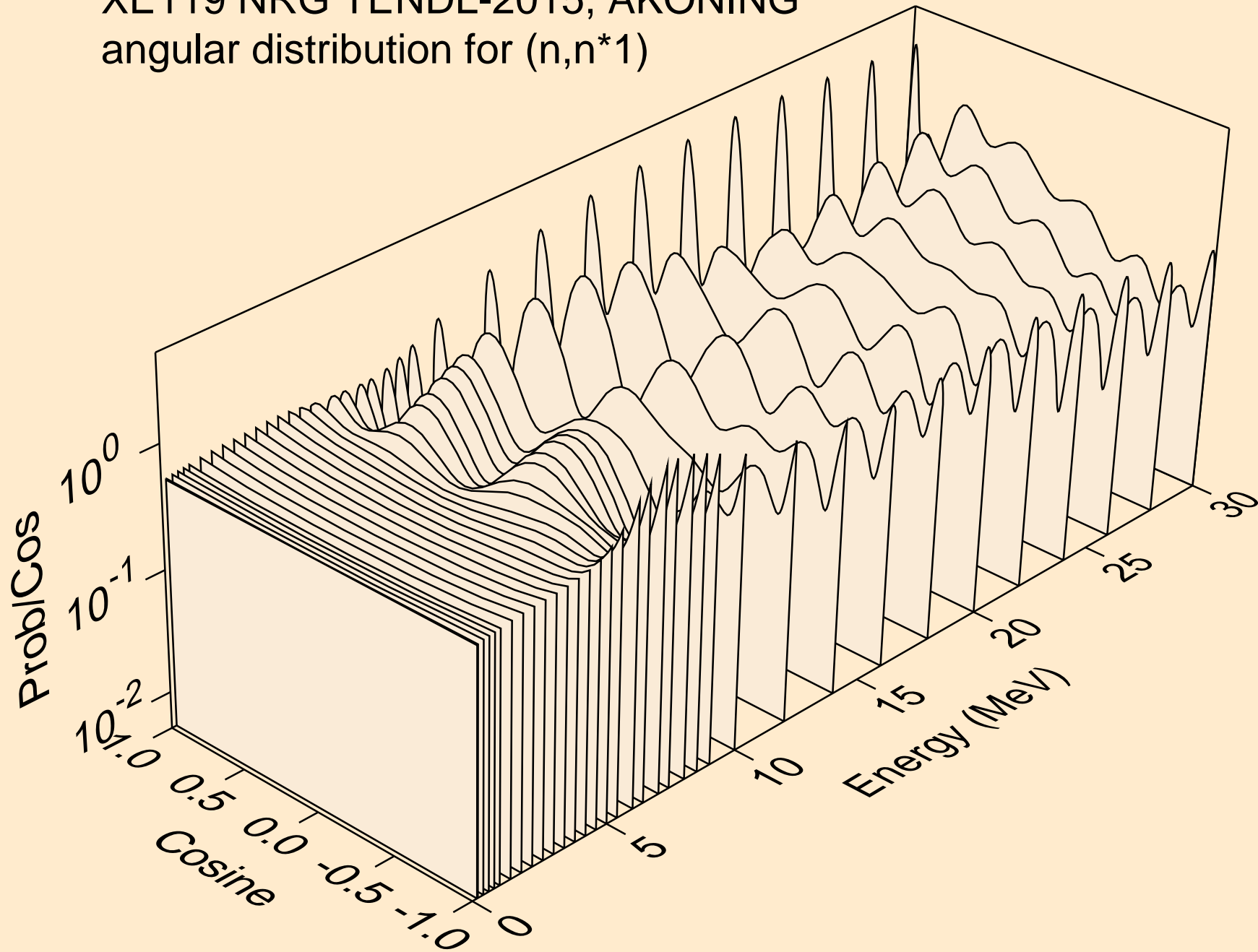
XE119 NRG TENDL-2015, AKONING  
angular distribution for elastic



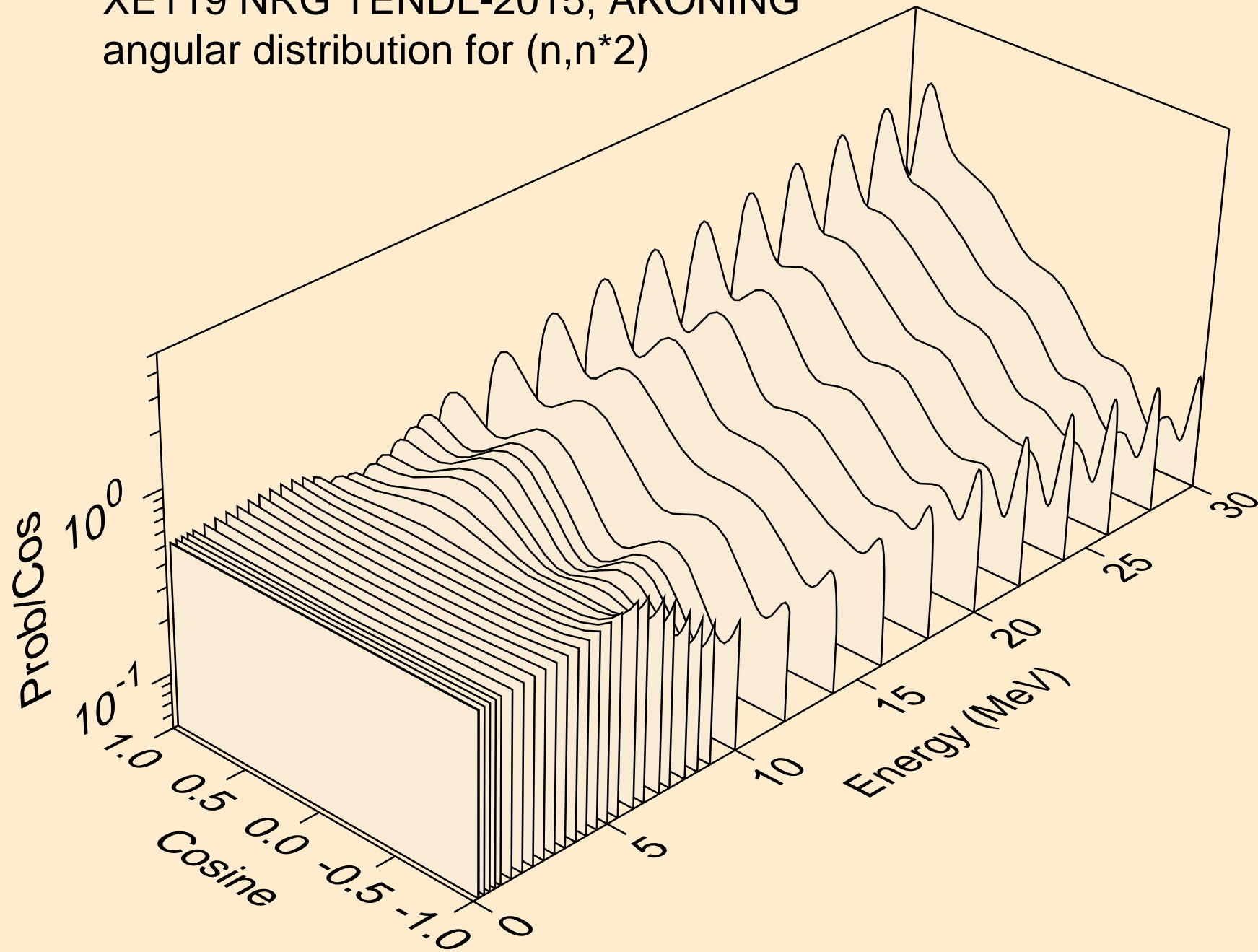
XE119 NRG TENDL-2015, AKONING  
angular distribution for elastic



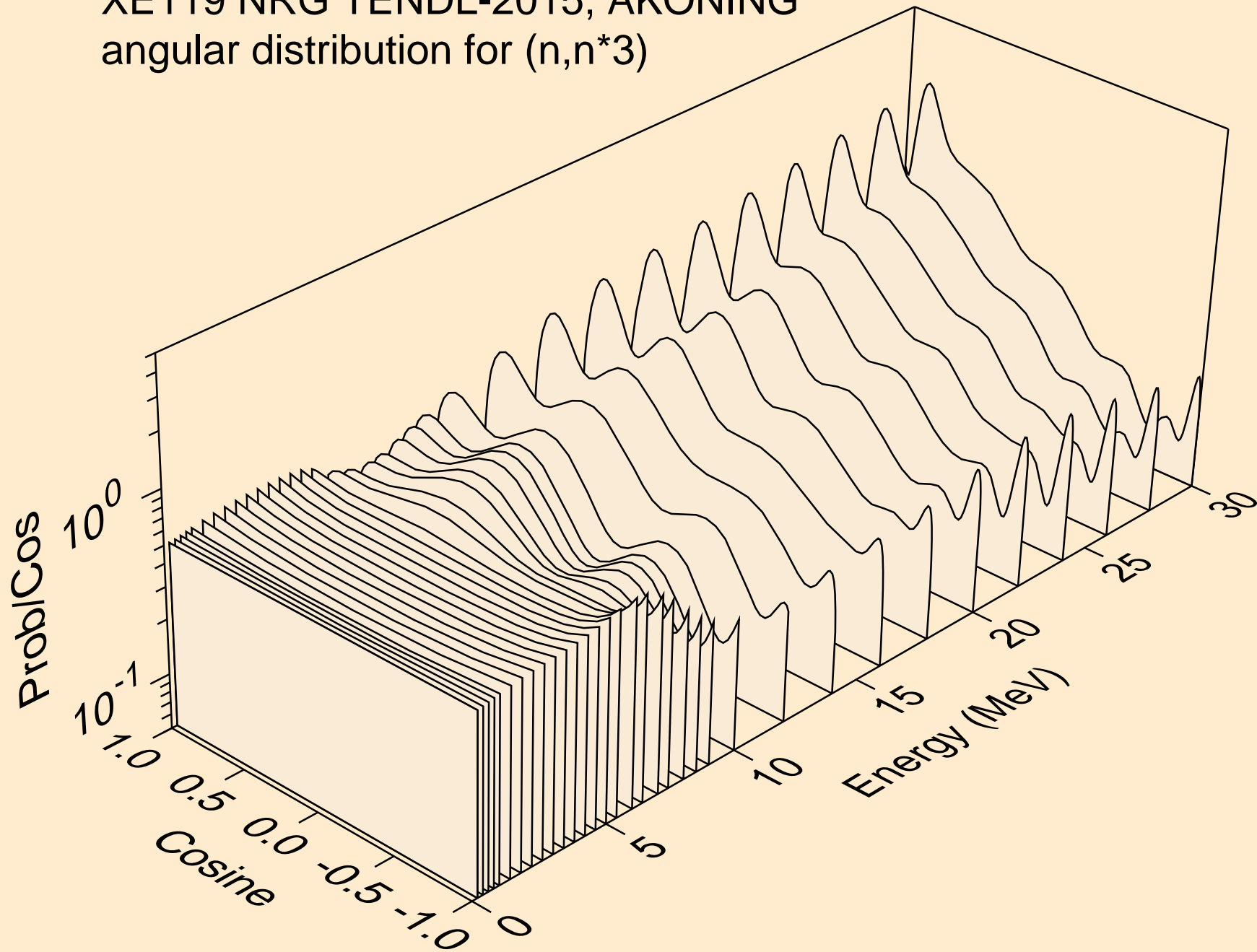
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



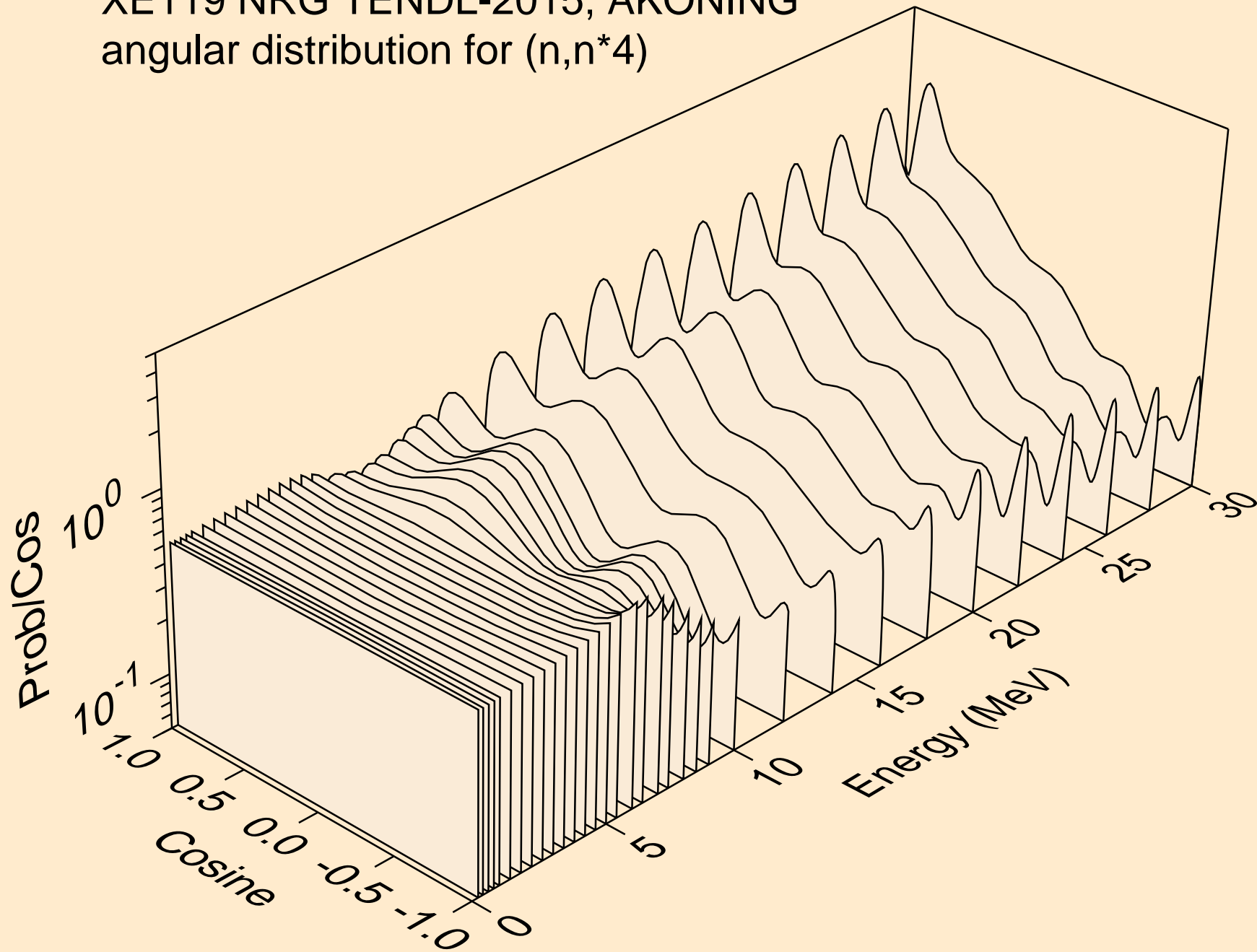
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)

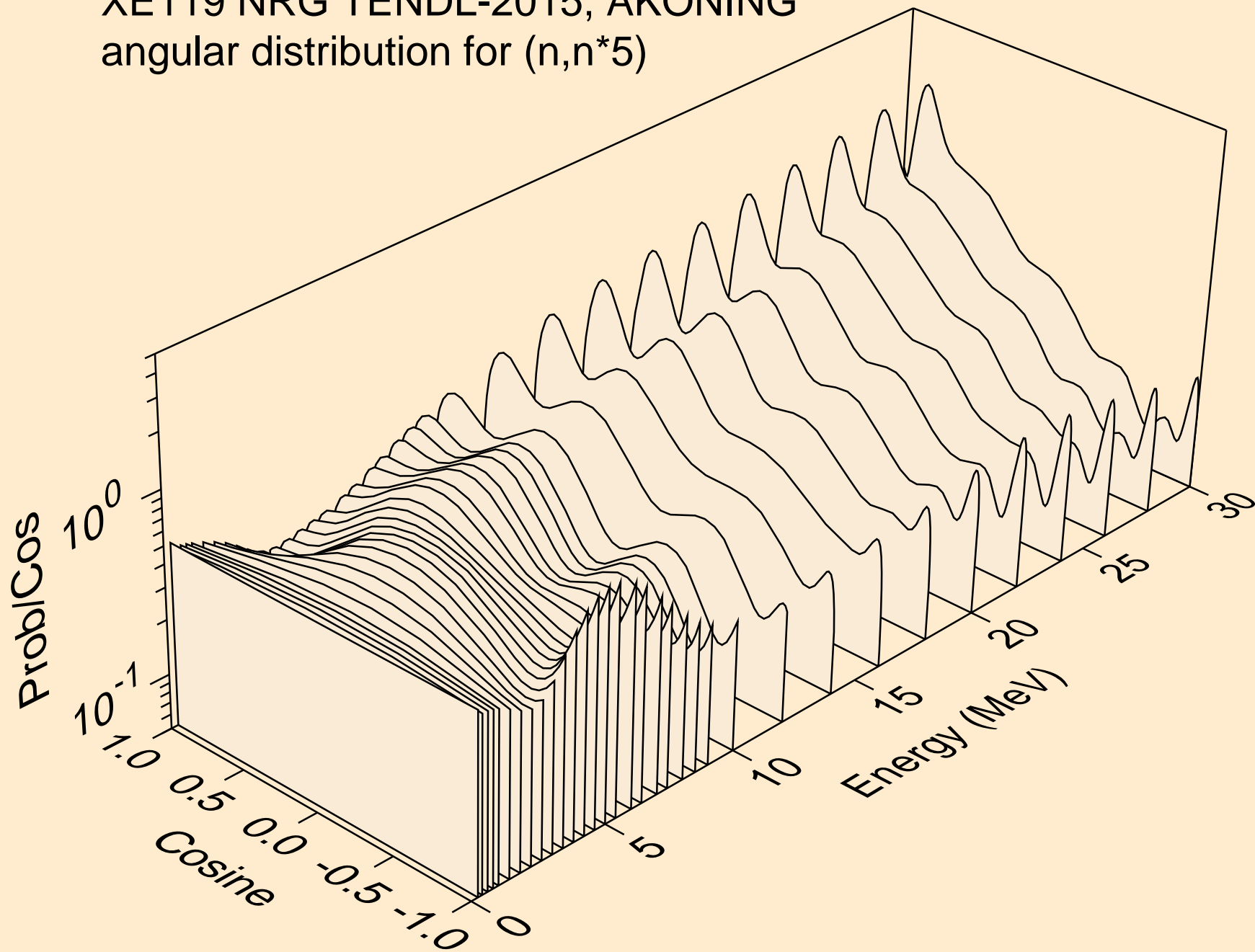


XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)

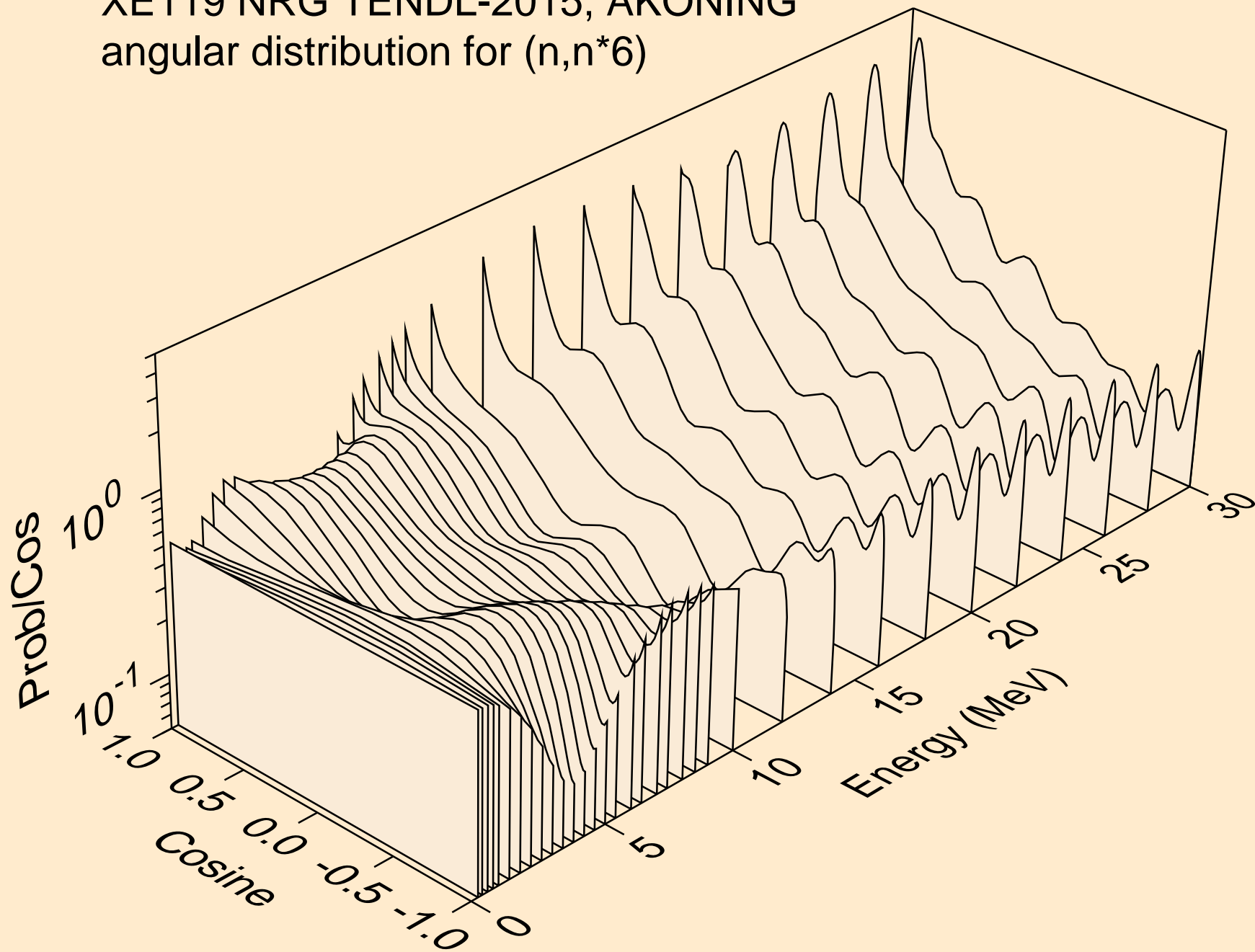




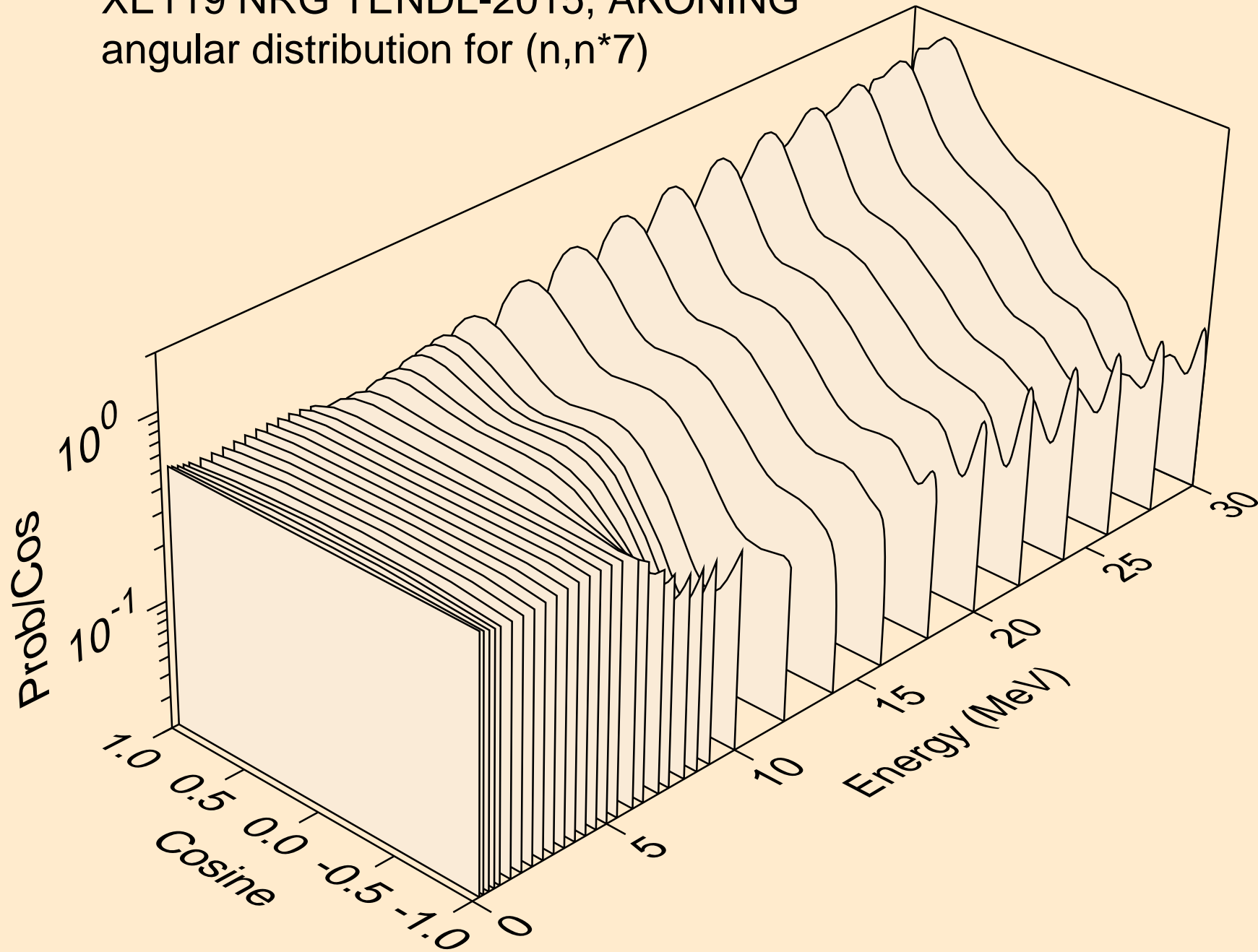
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



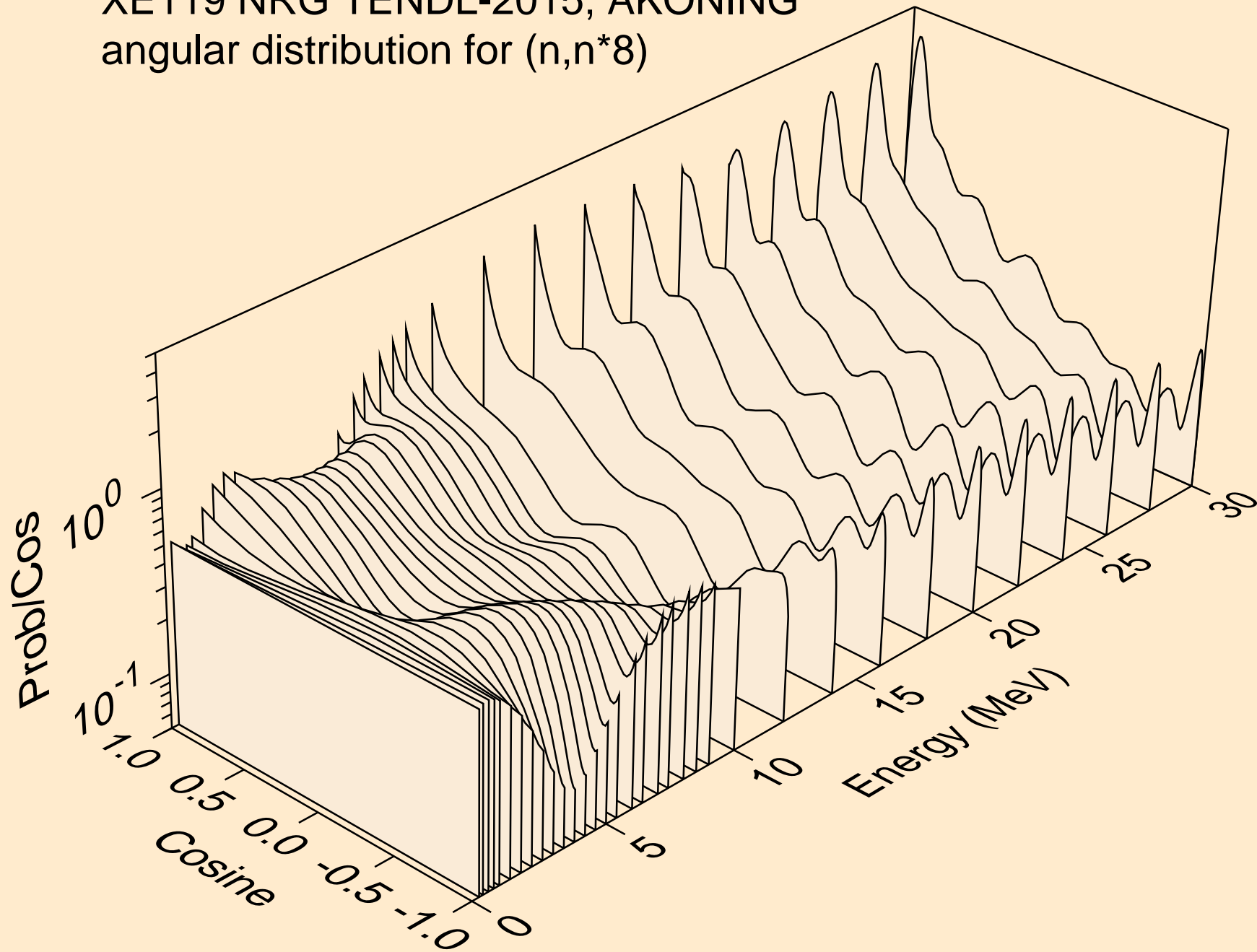
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



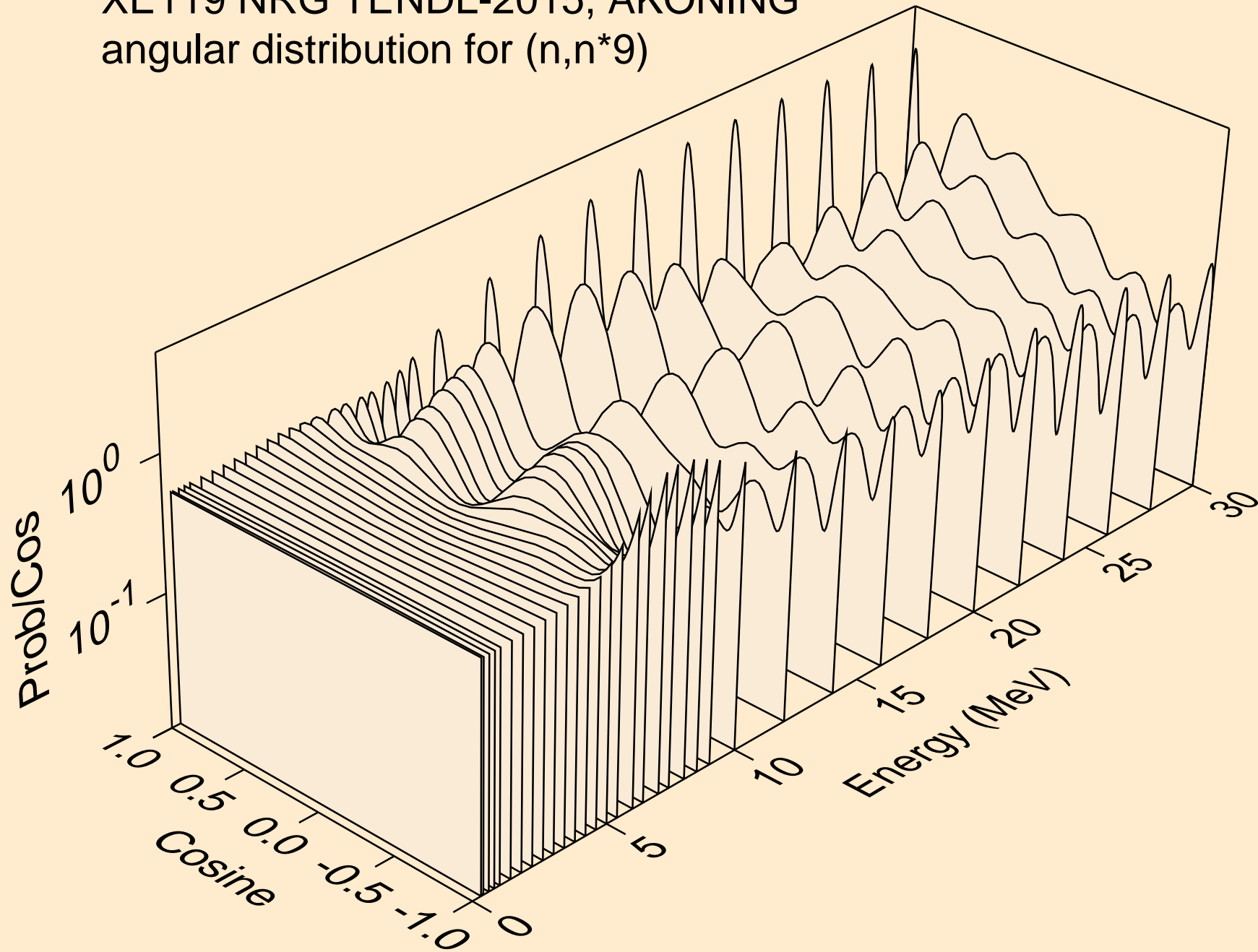
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



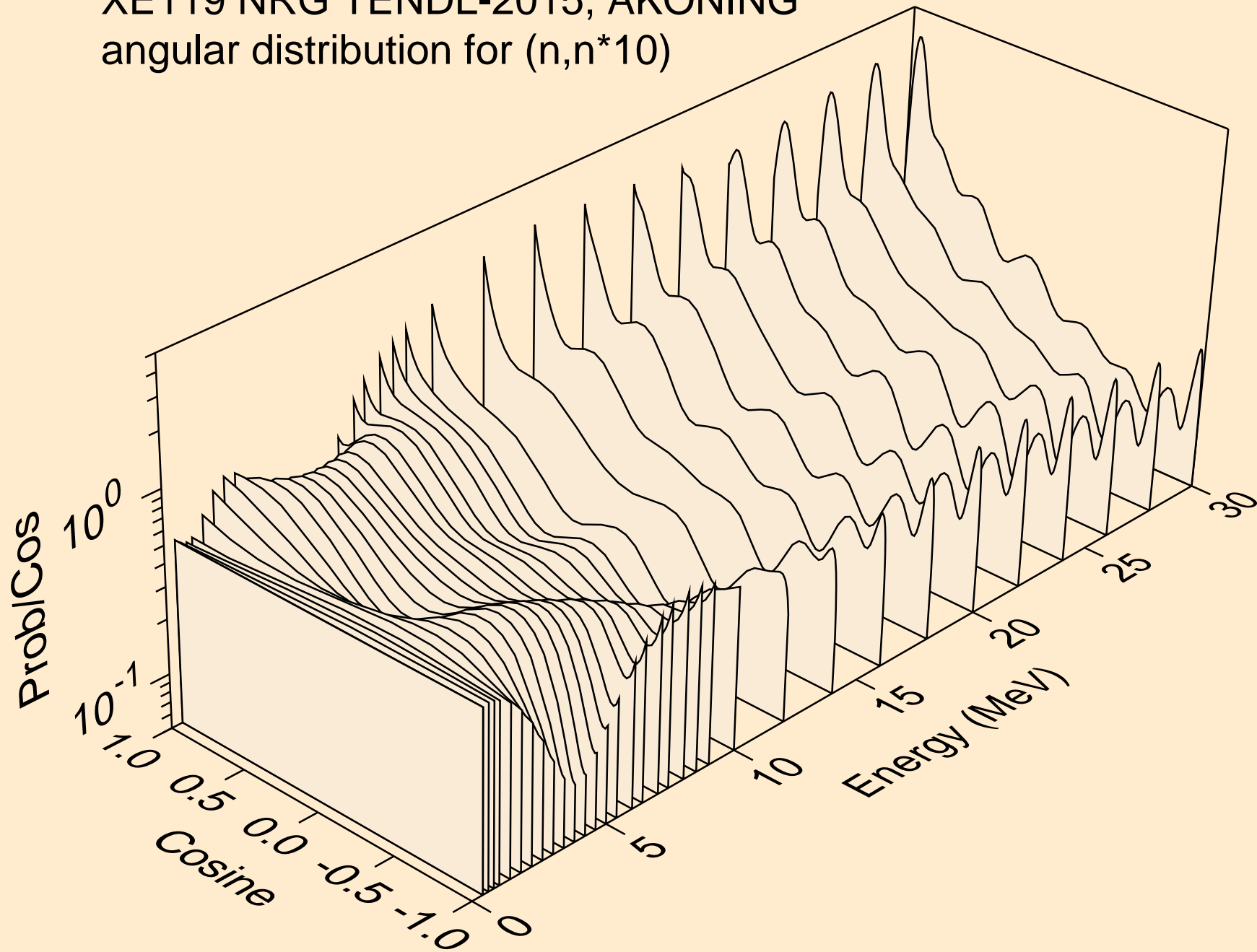
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



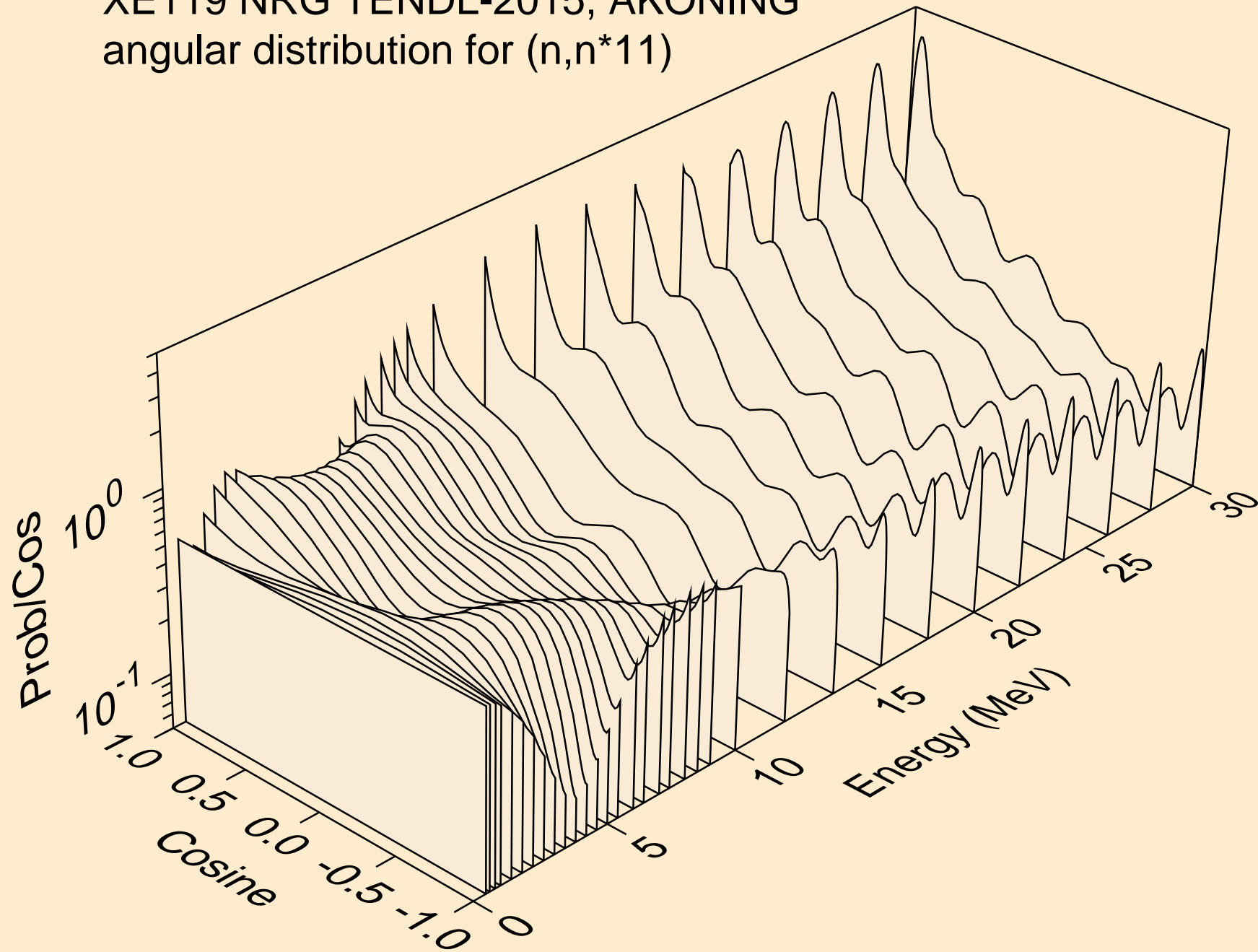
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)

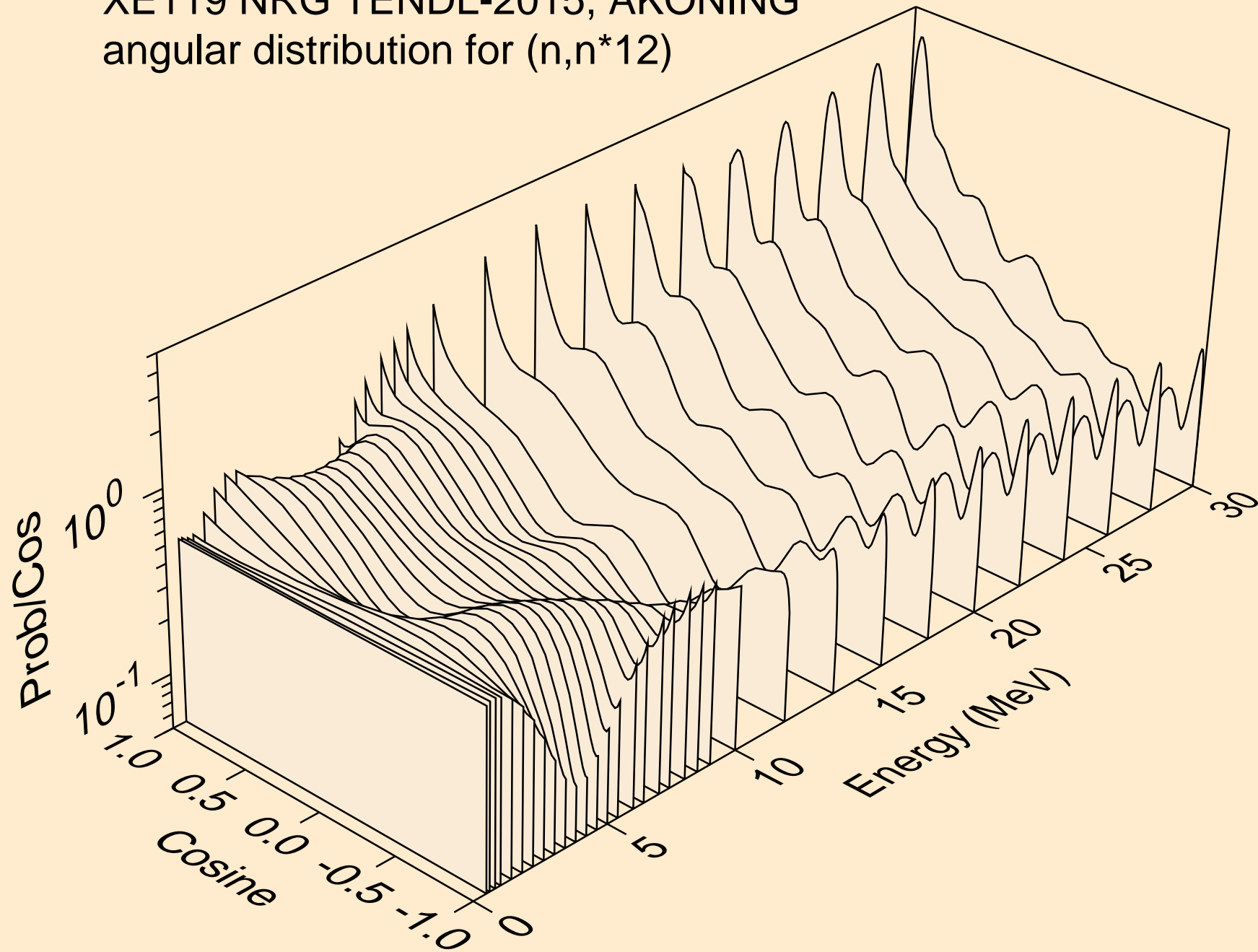


XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



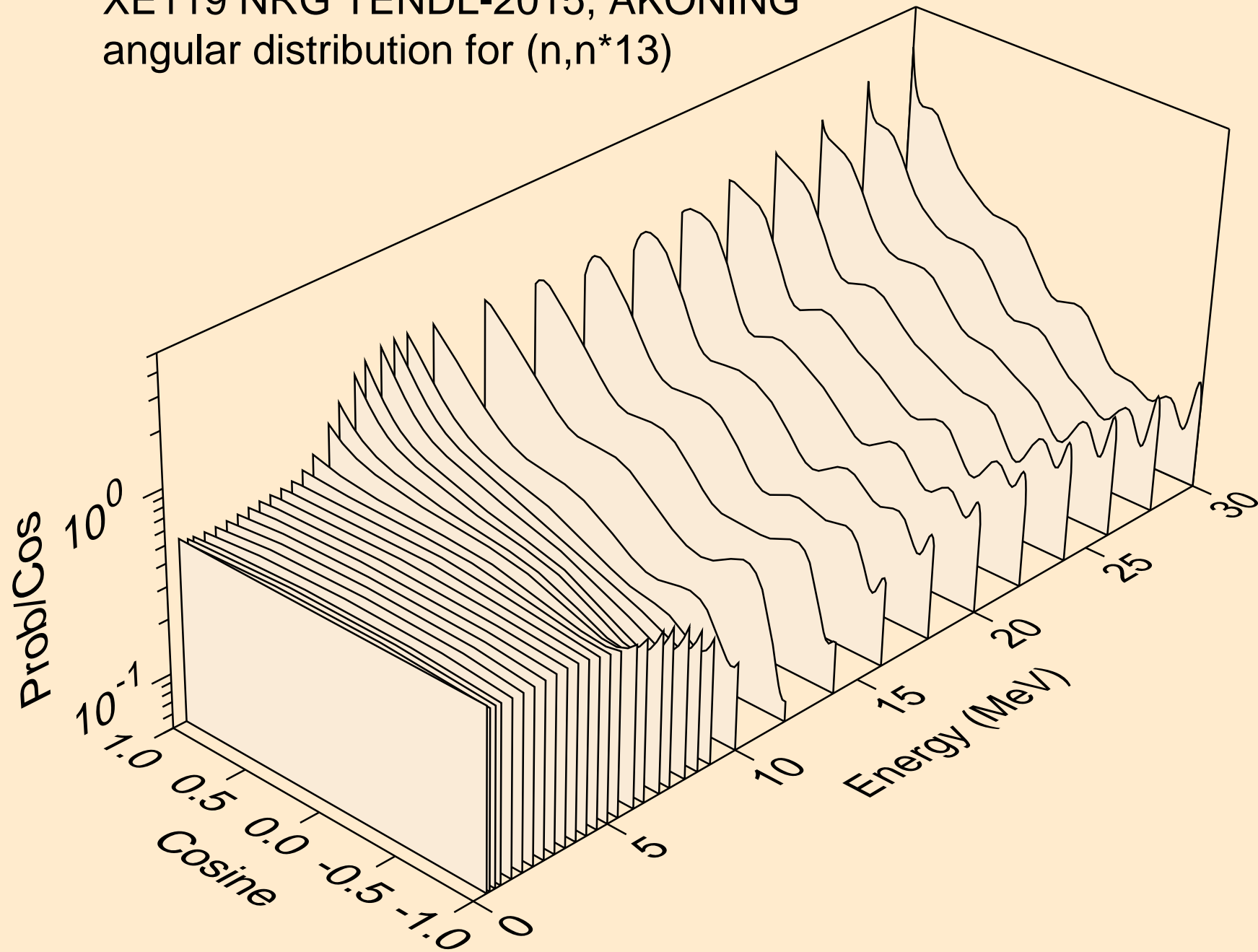


XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)

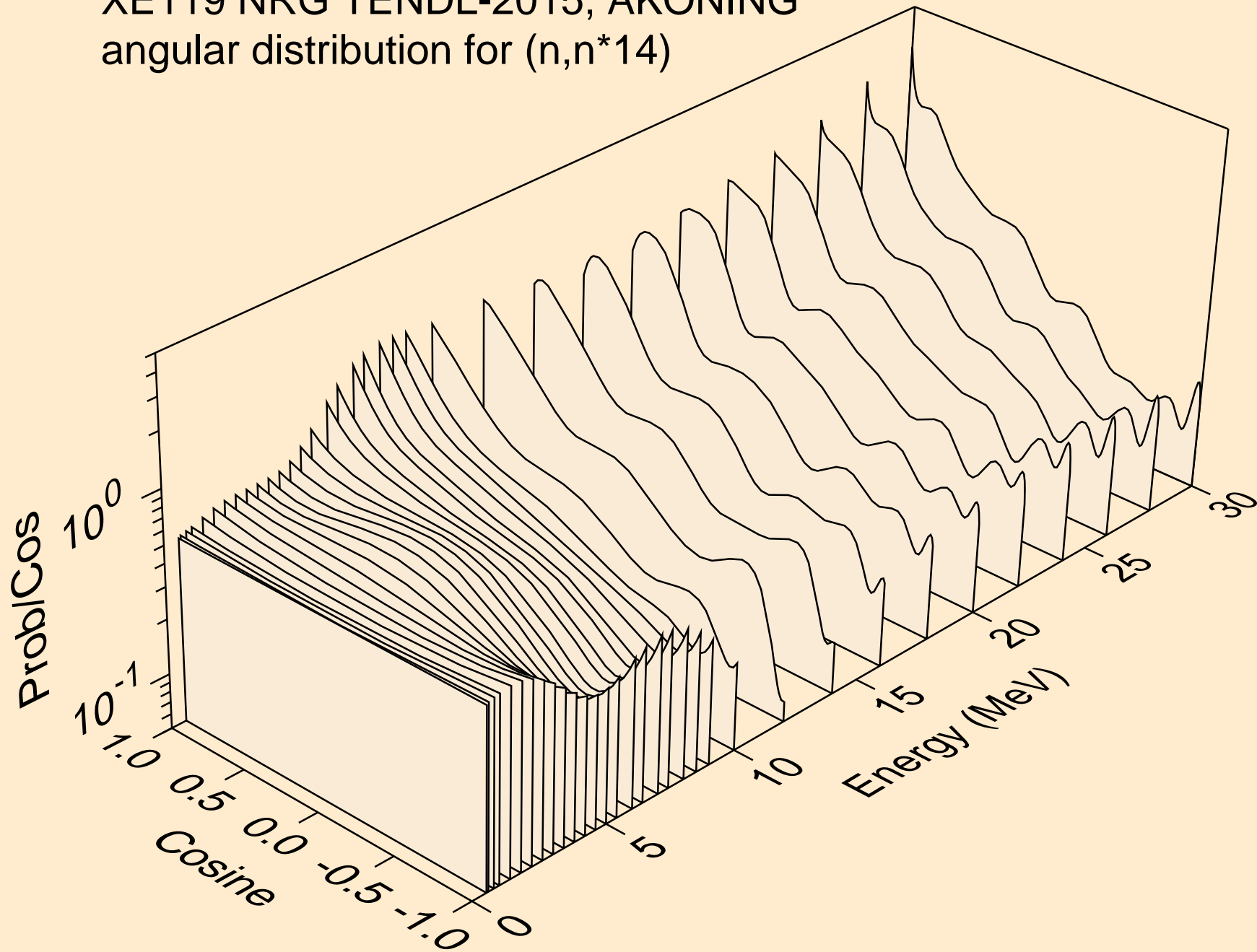




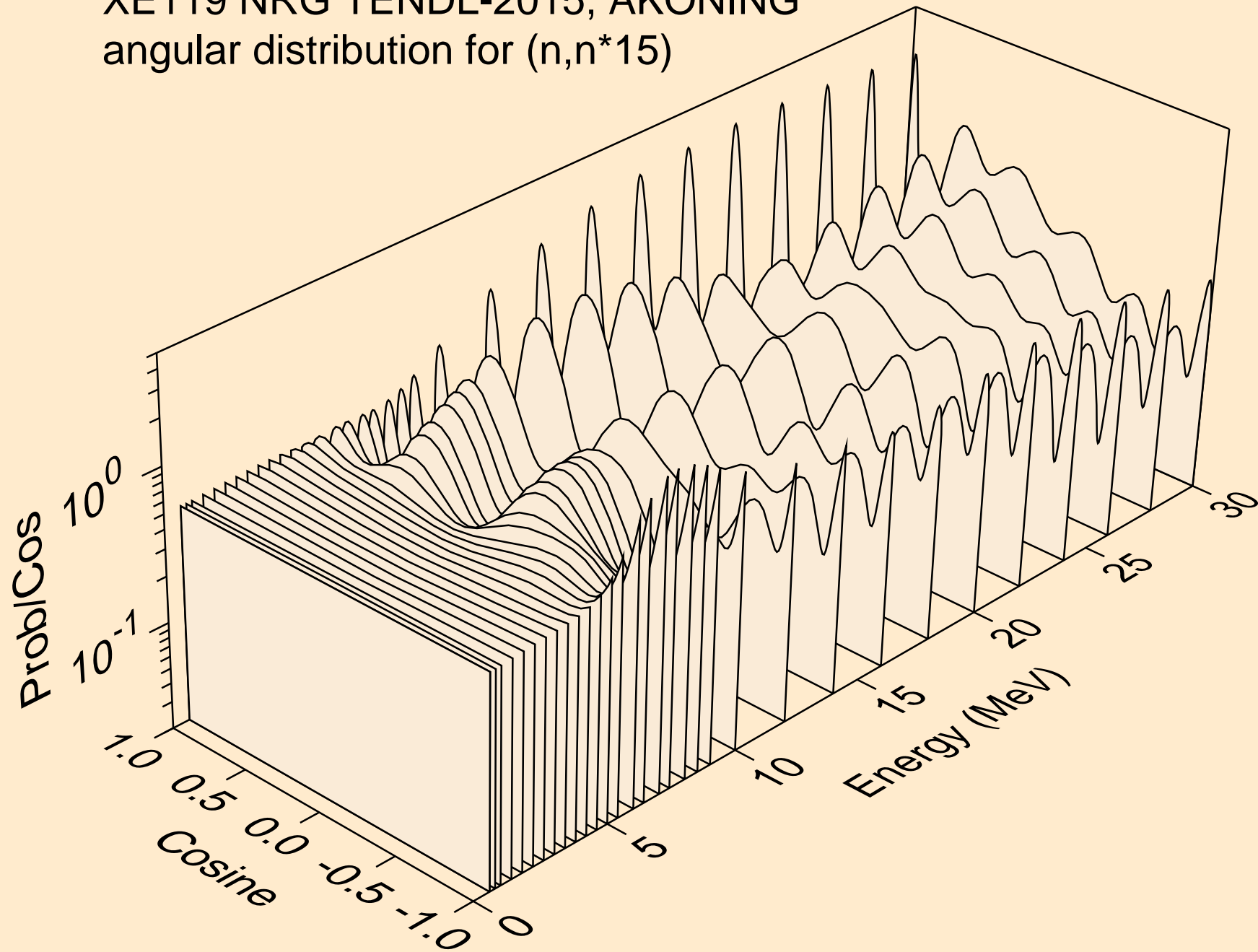
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



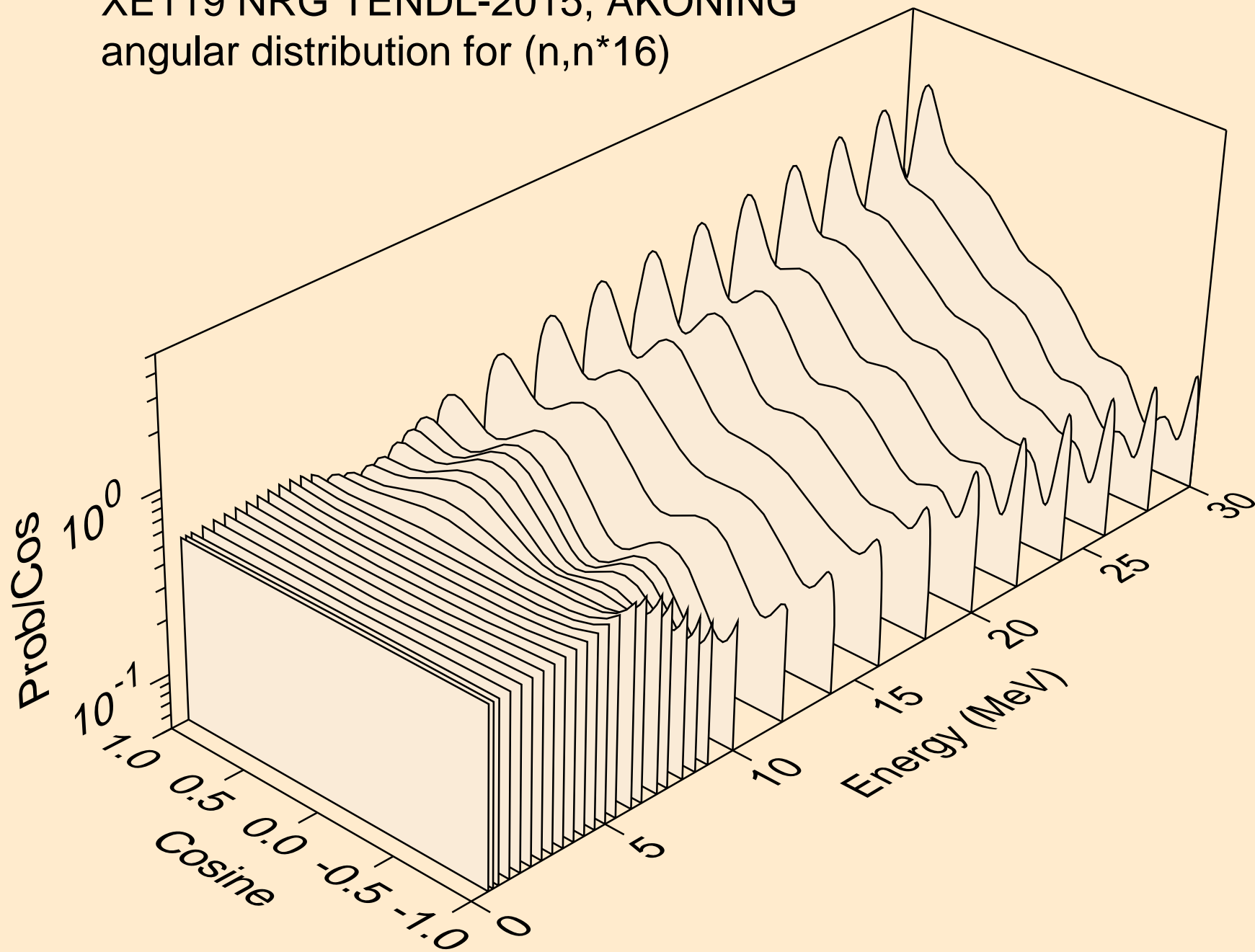
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



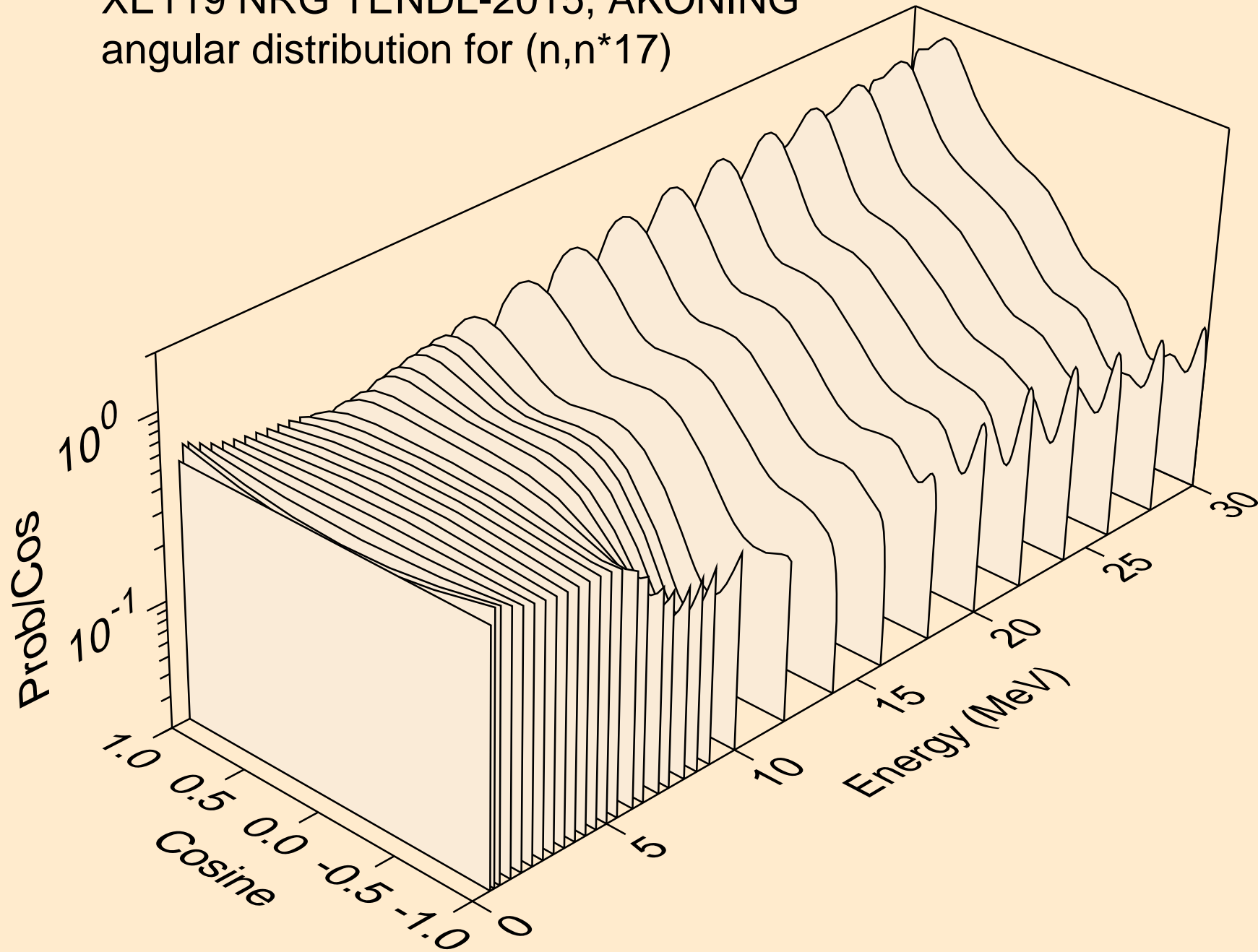
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



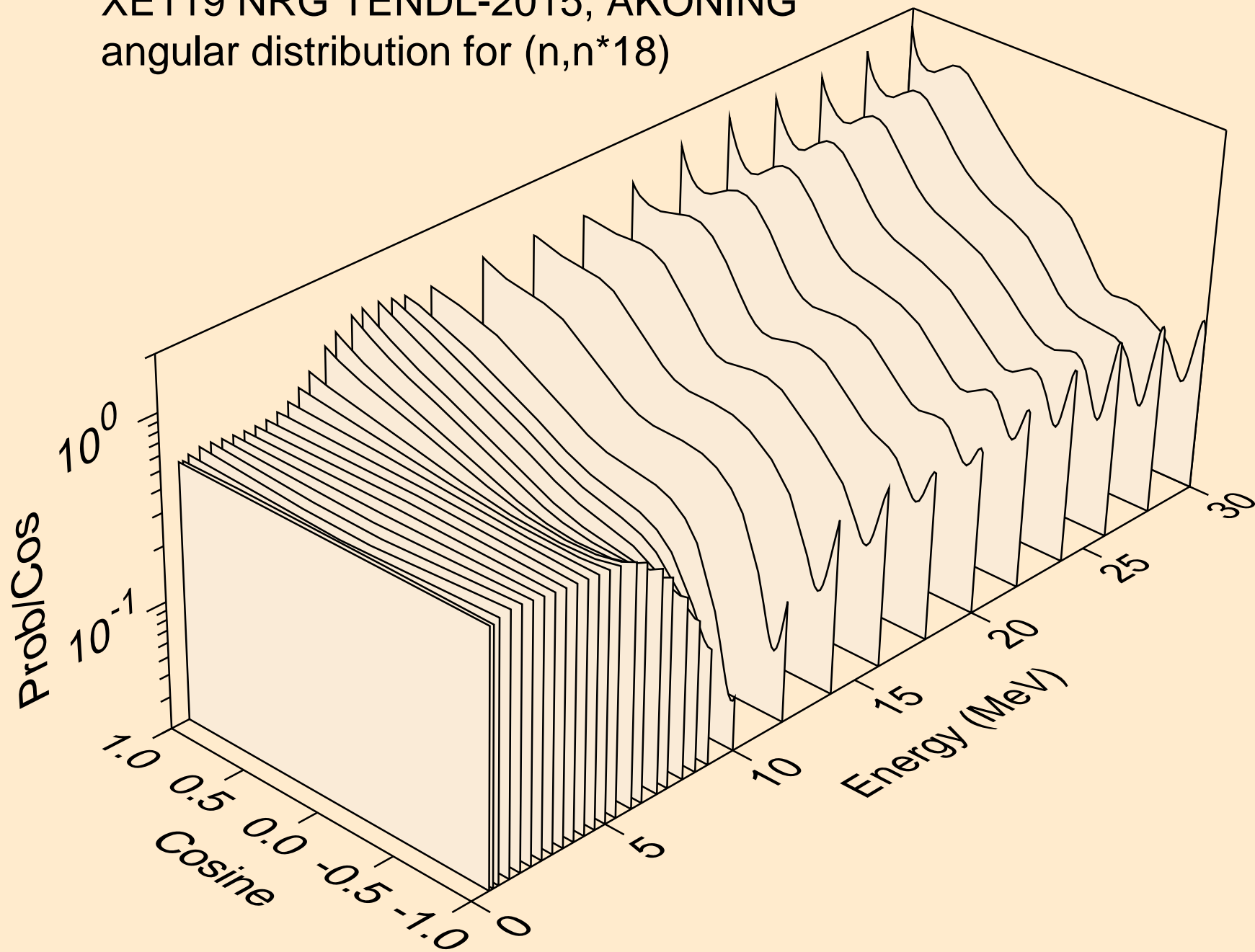
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



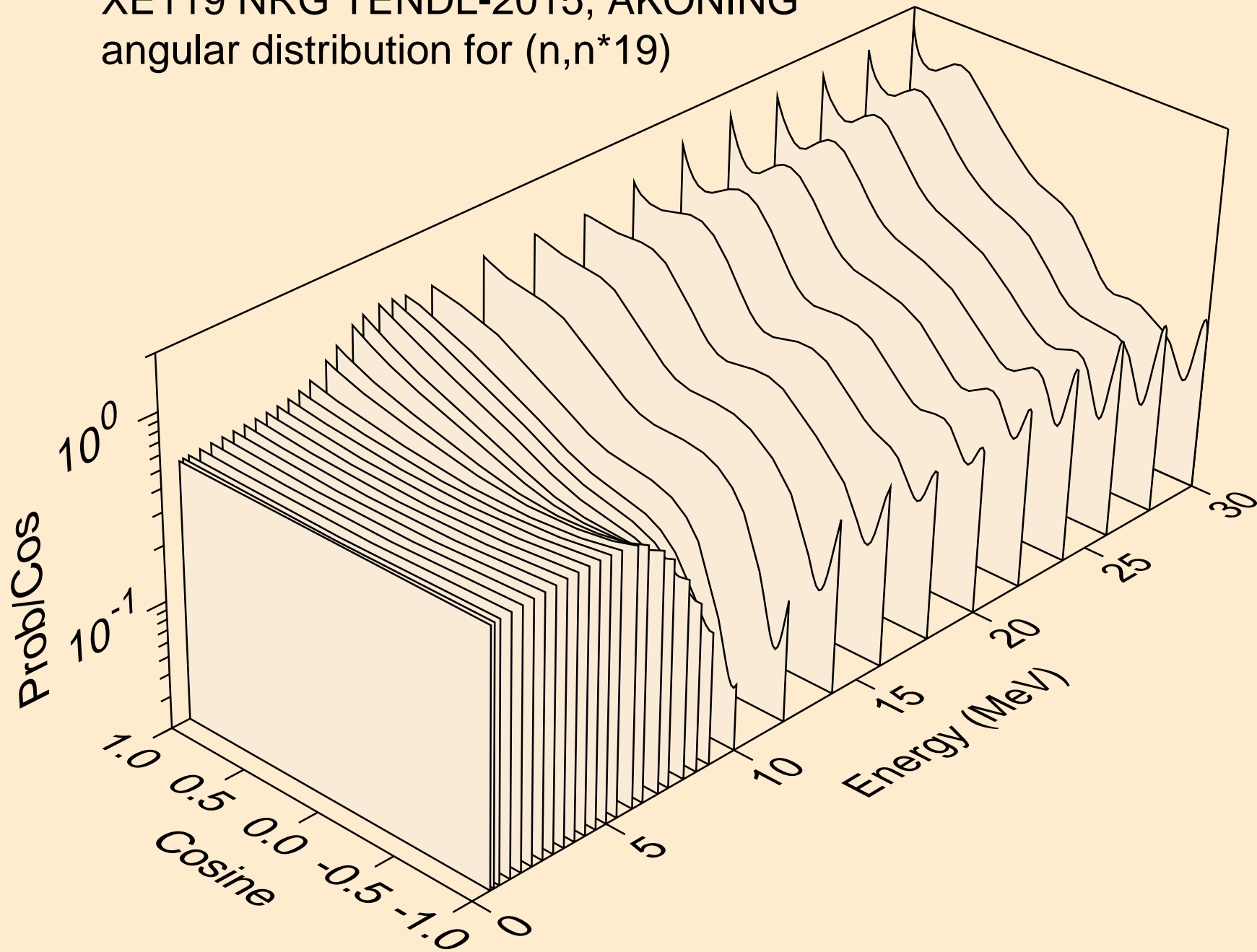
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



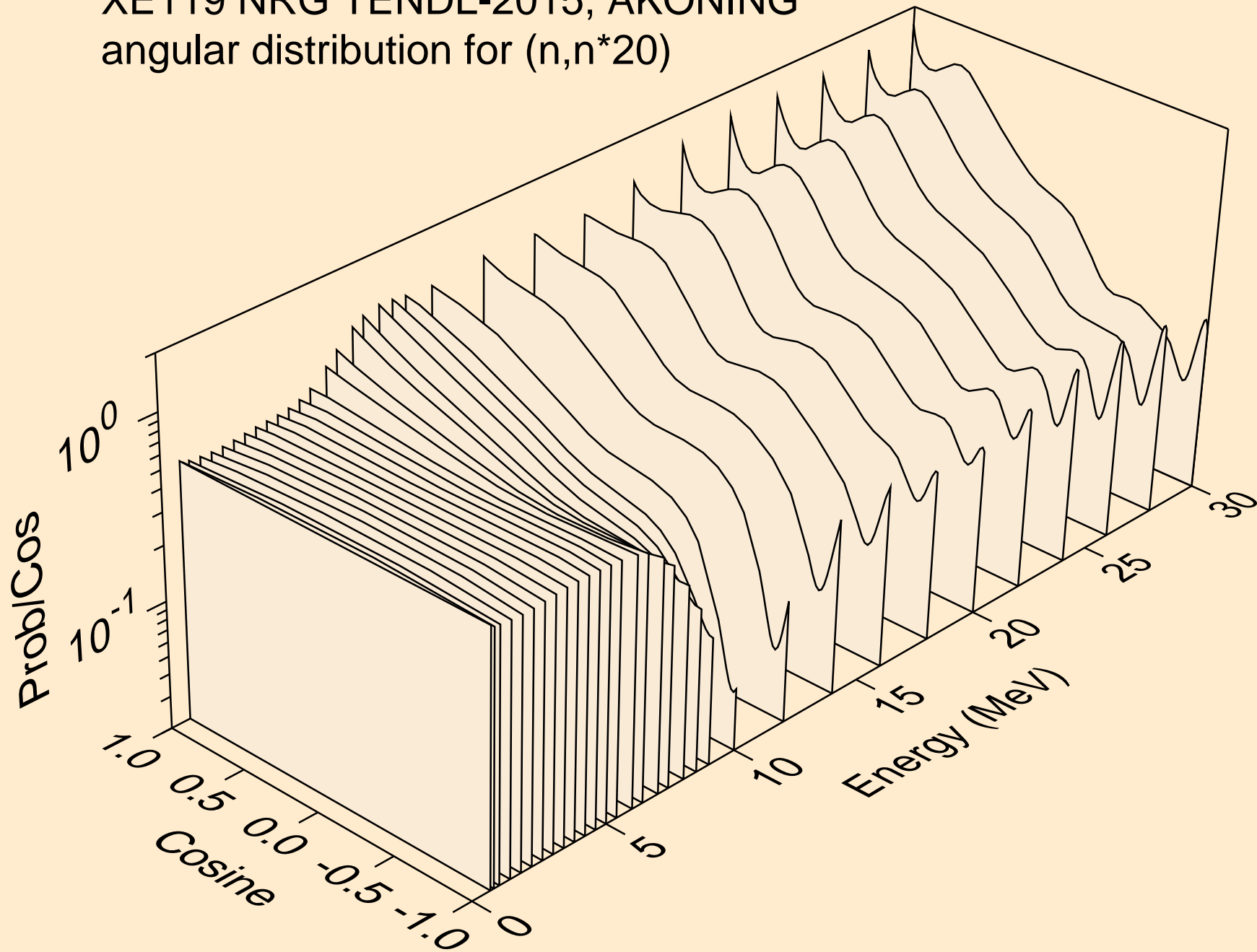
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)

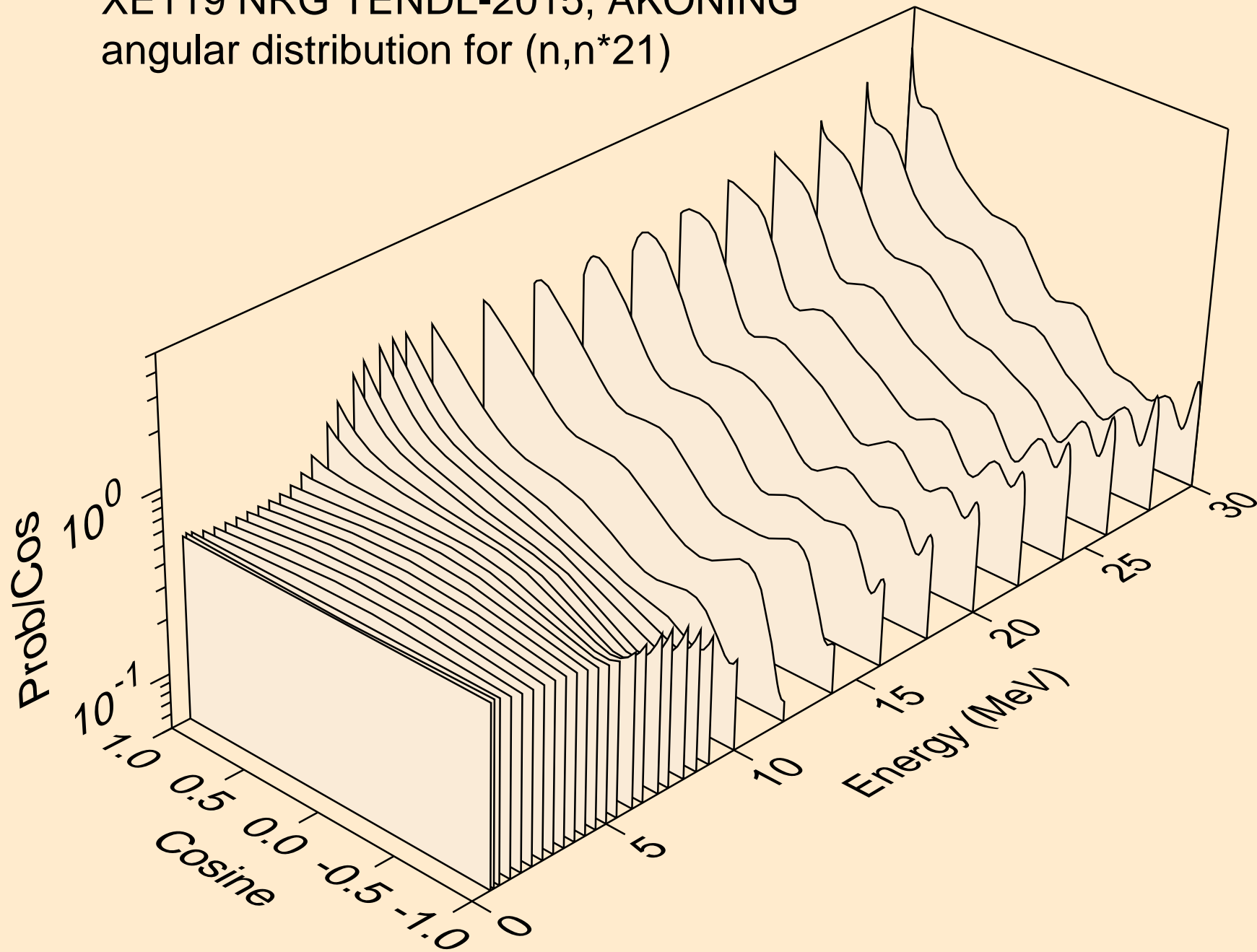


XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)

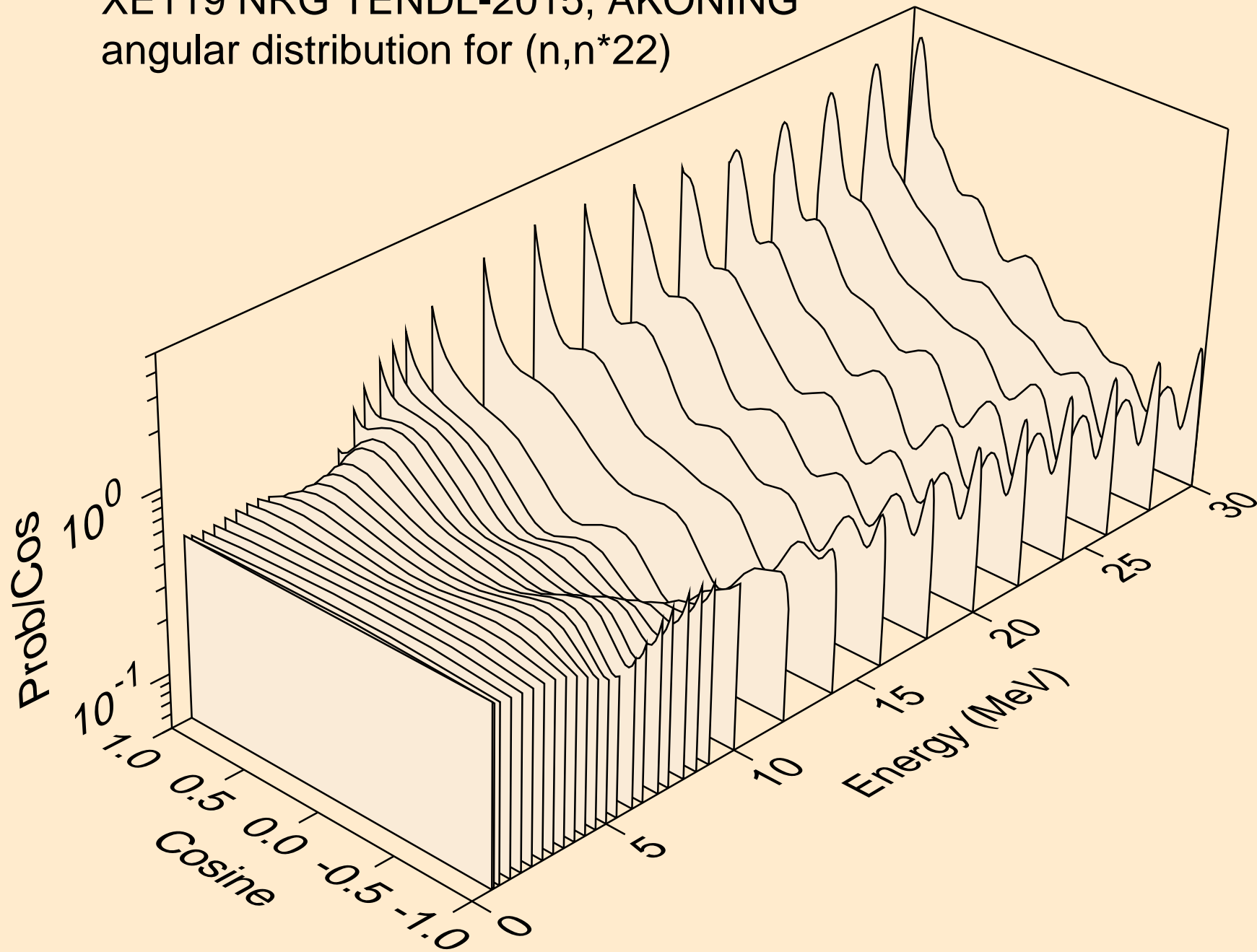




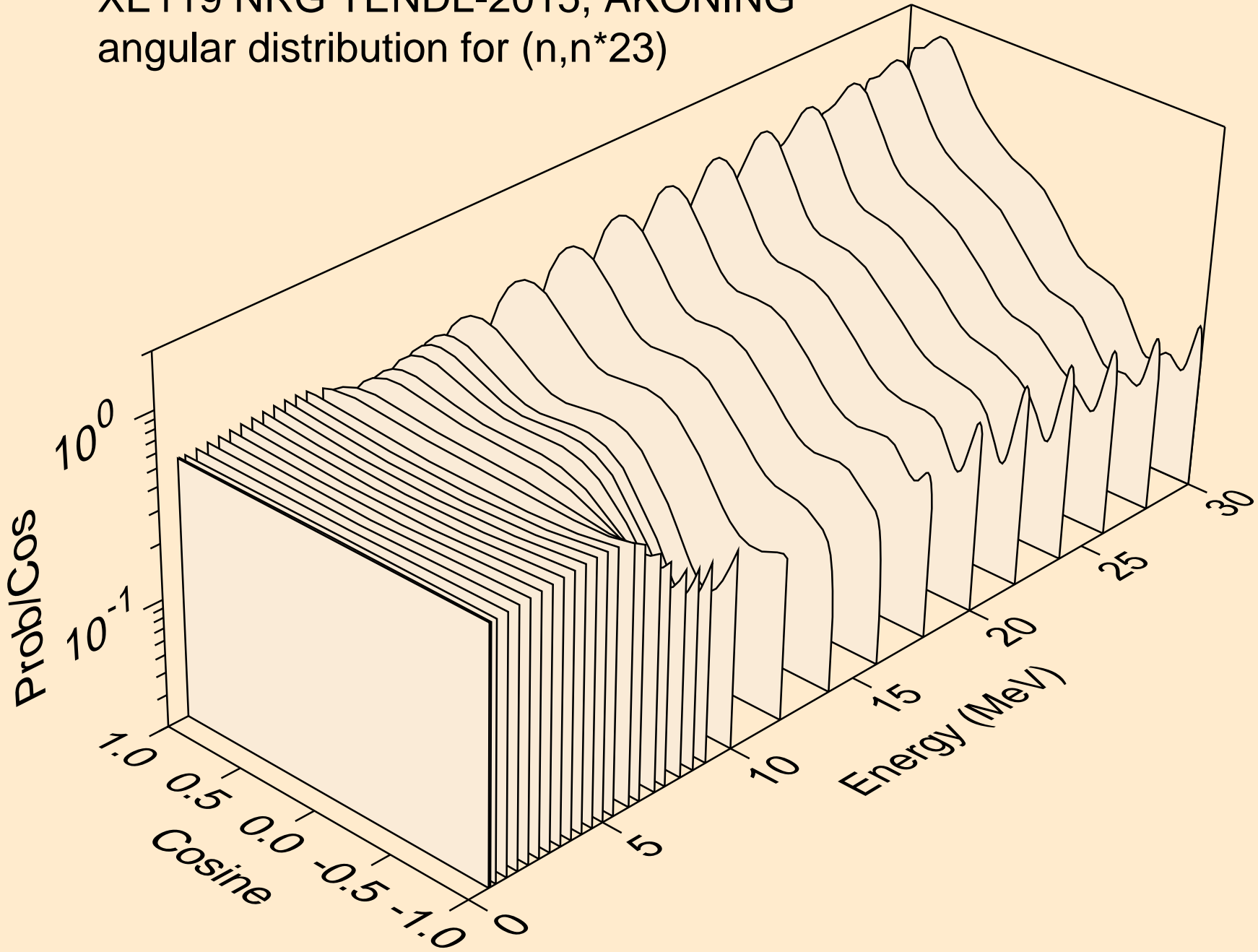
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



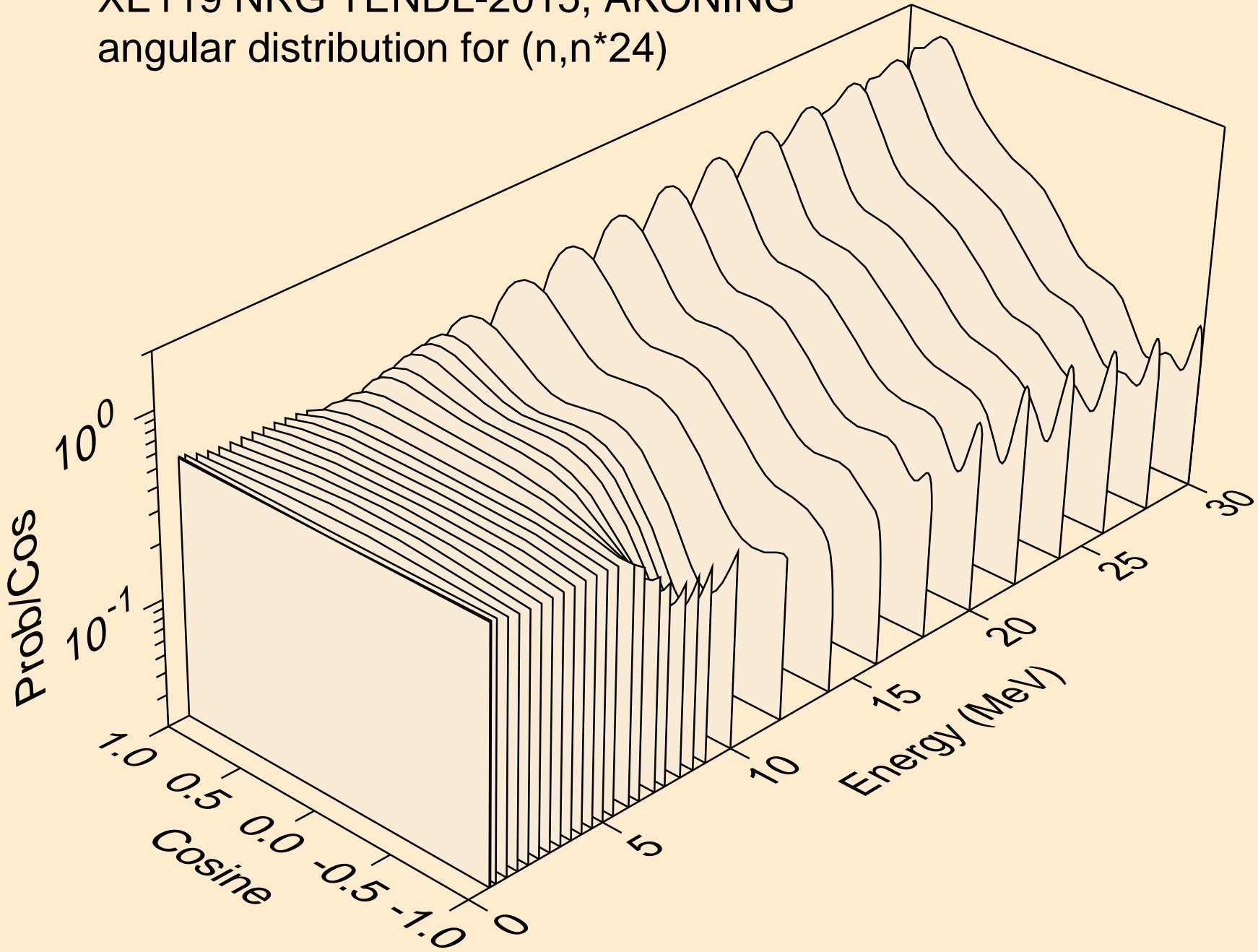
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



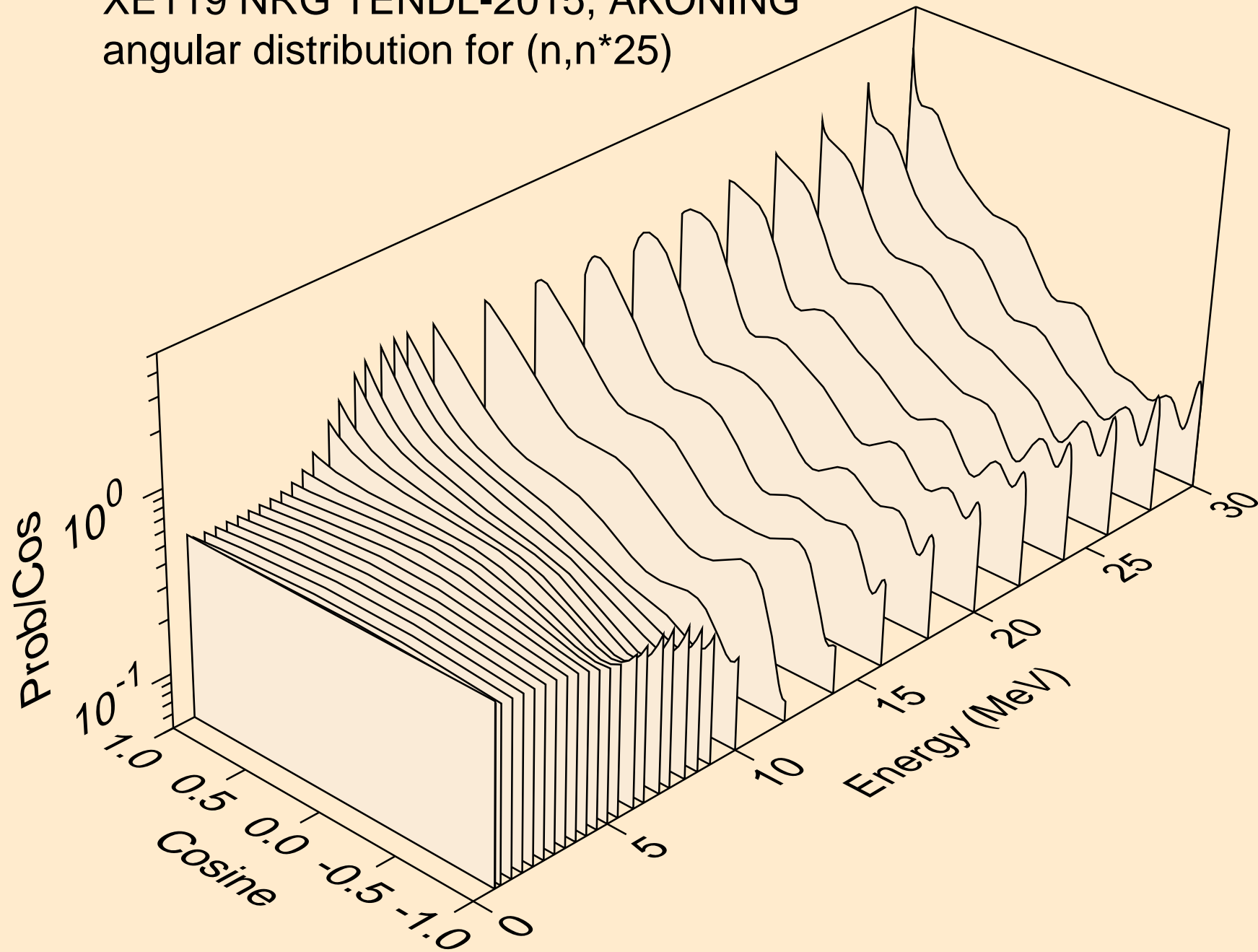
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



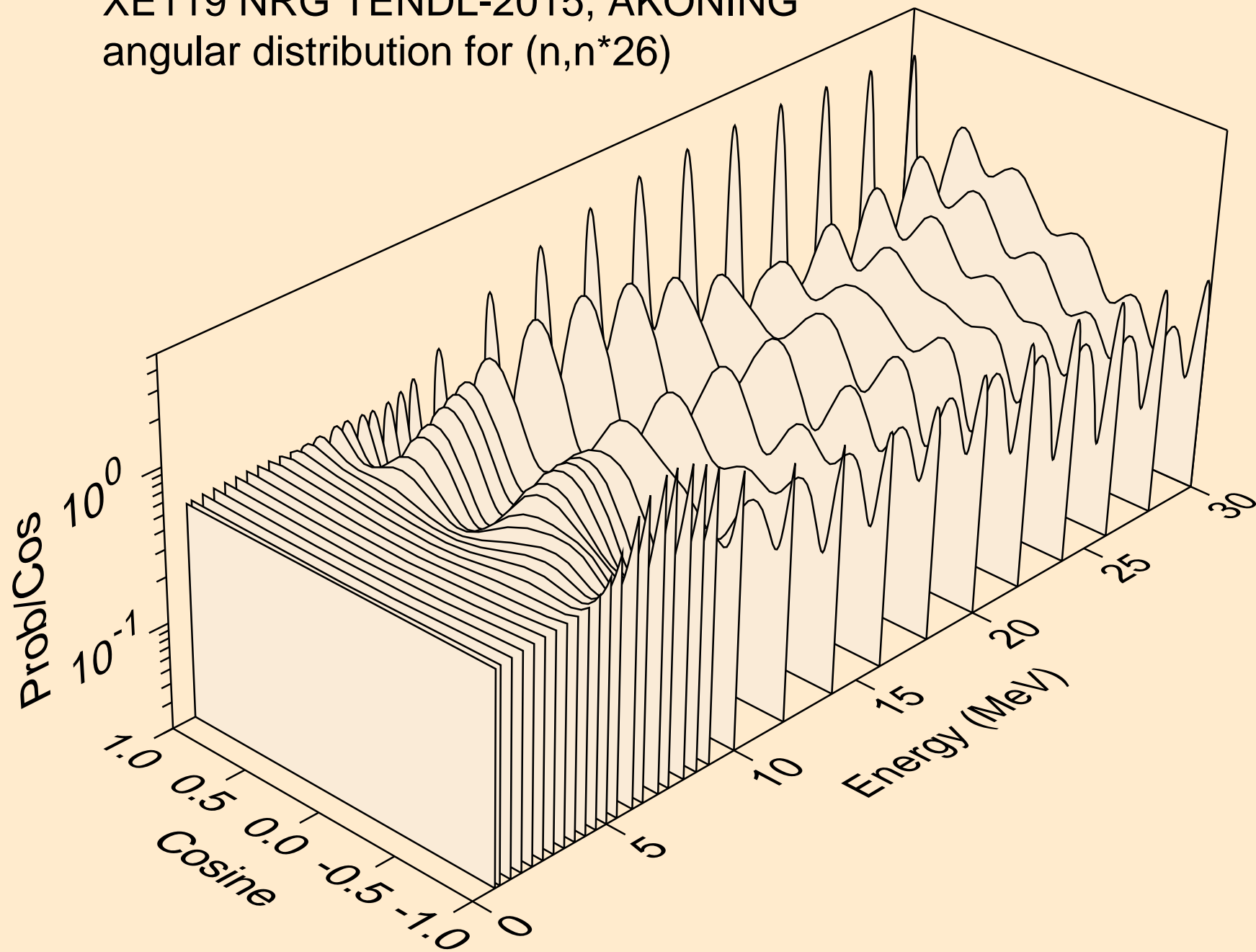
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



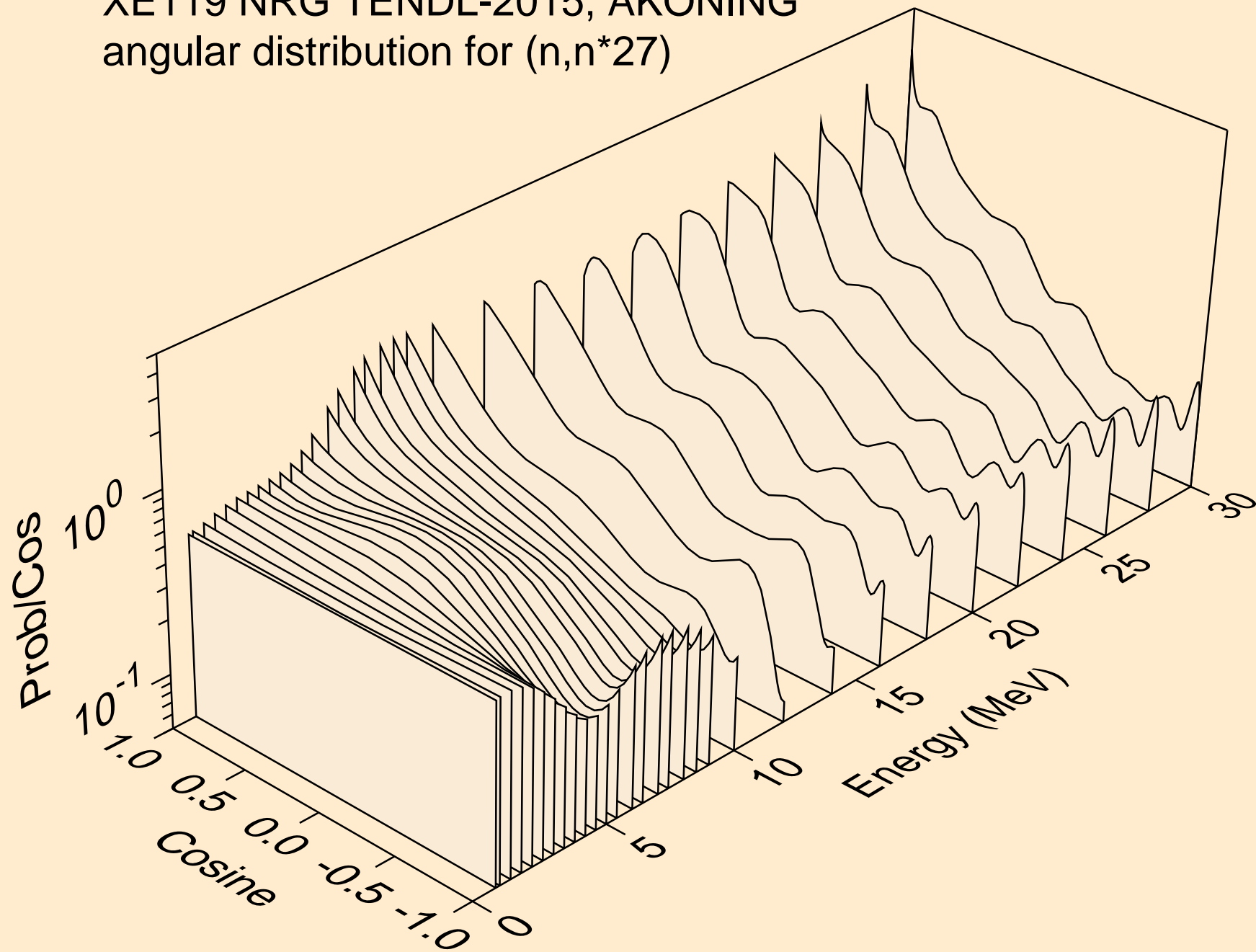
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



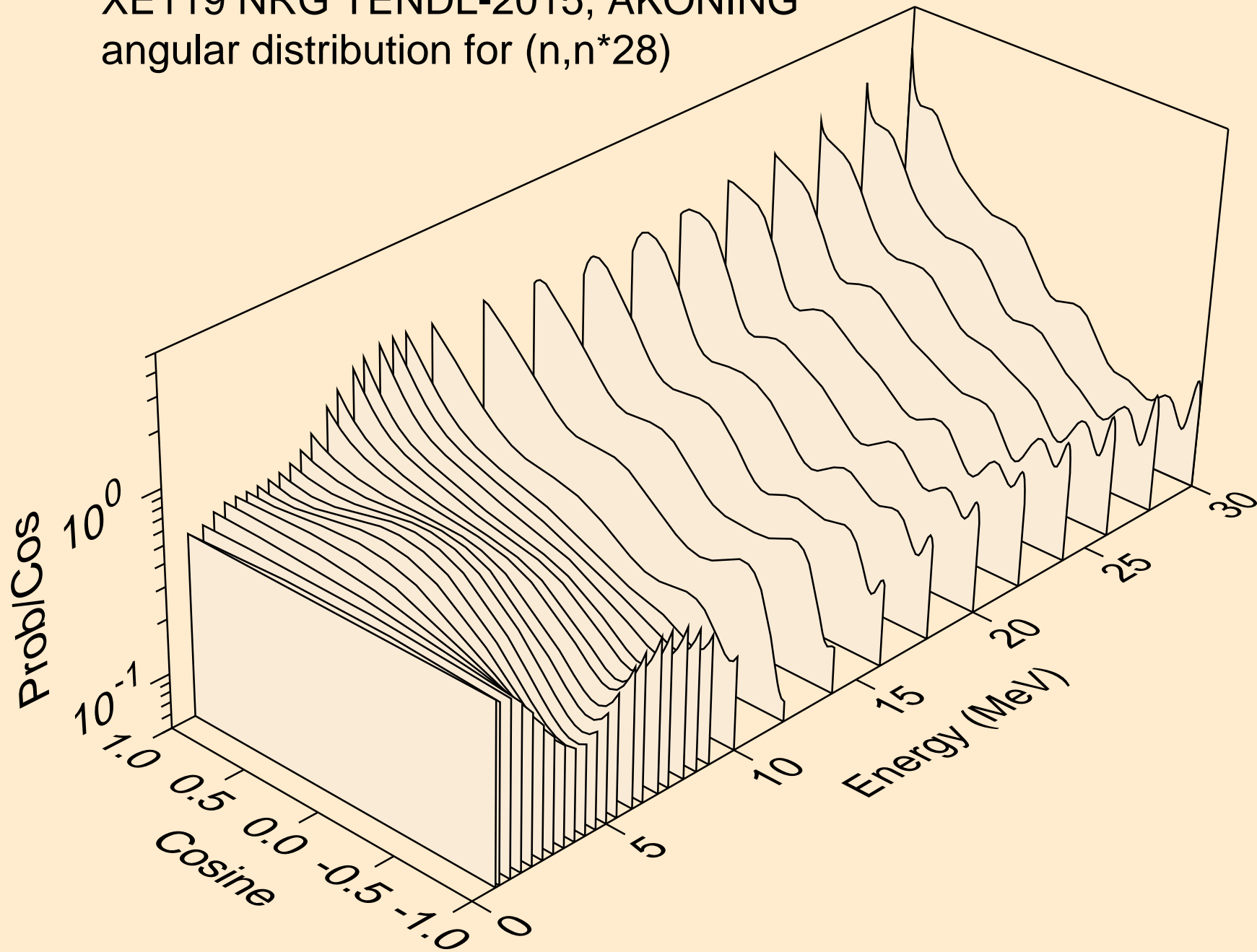
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)

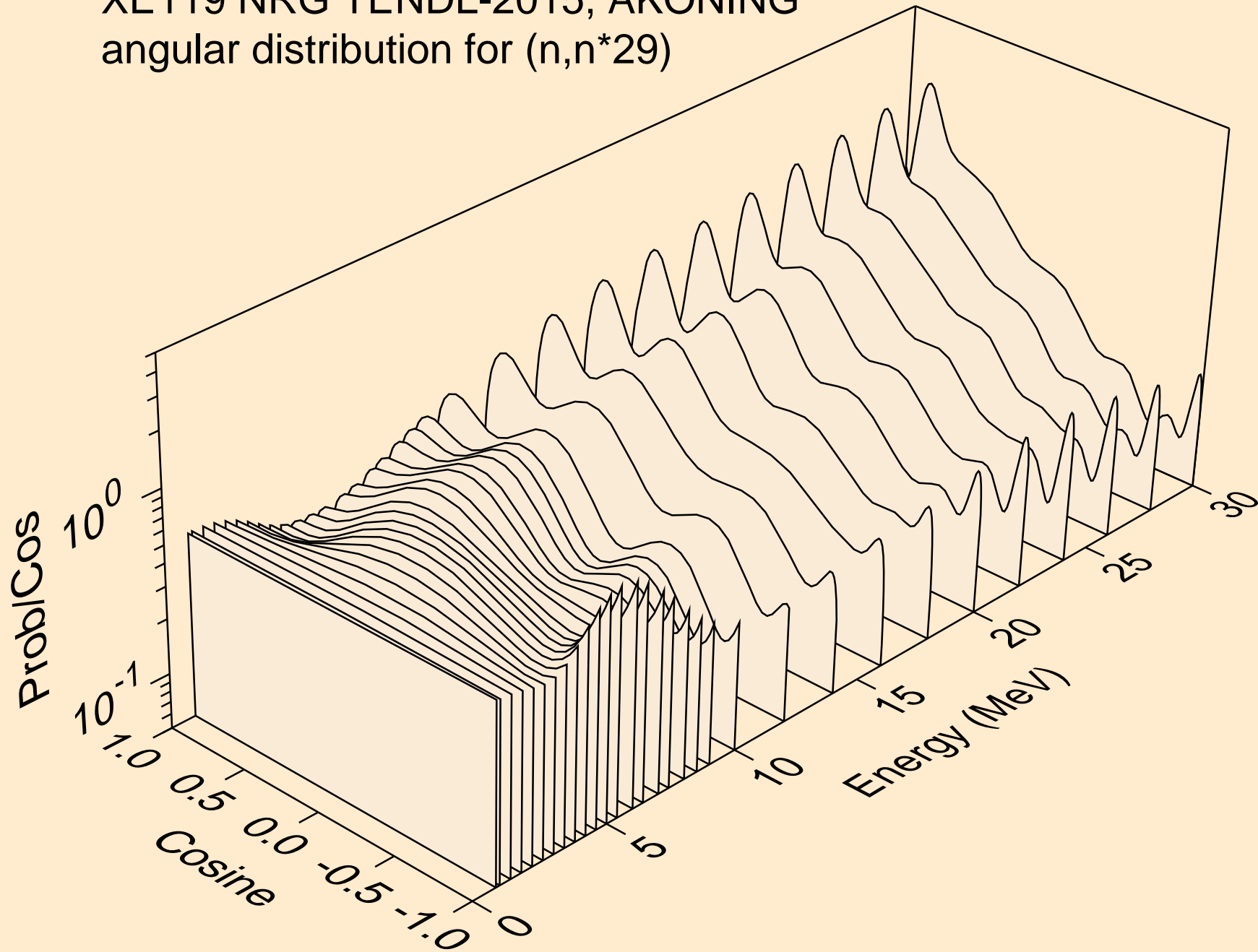


XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)

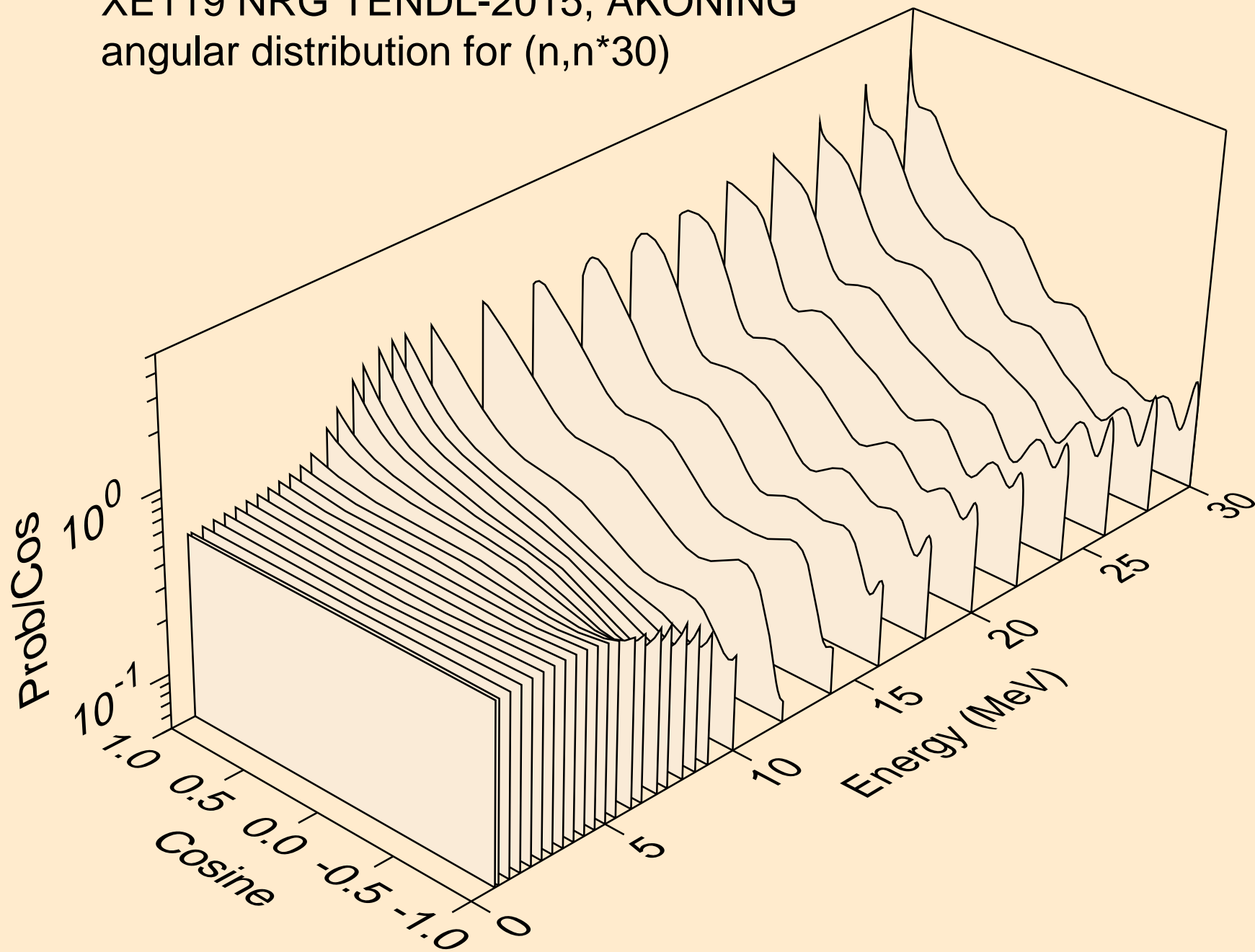




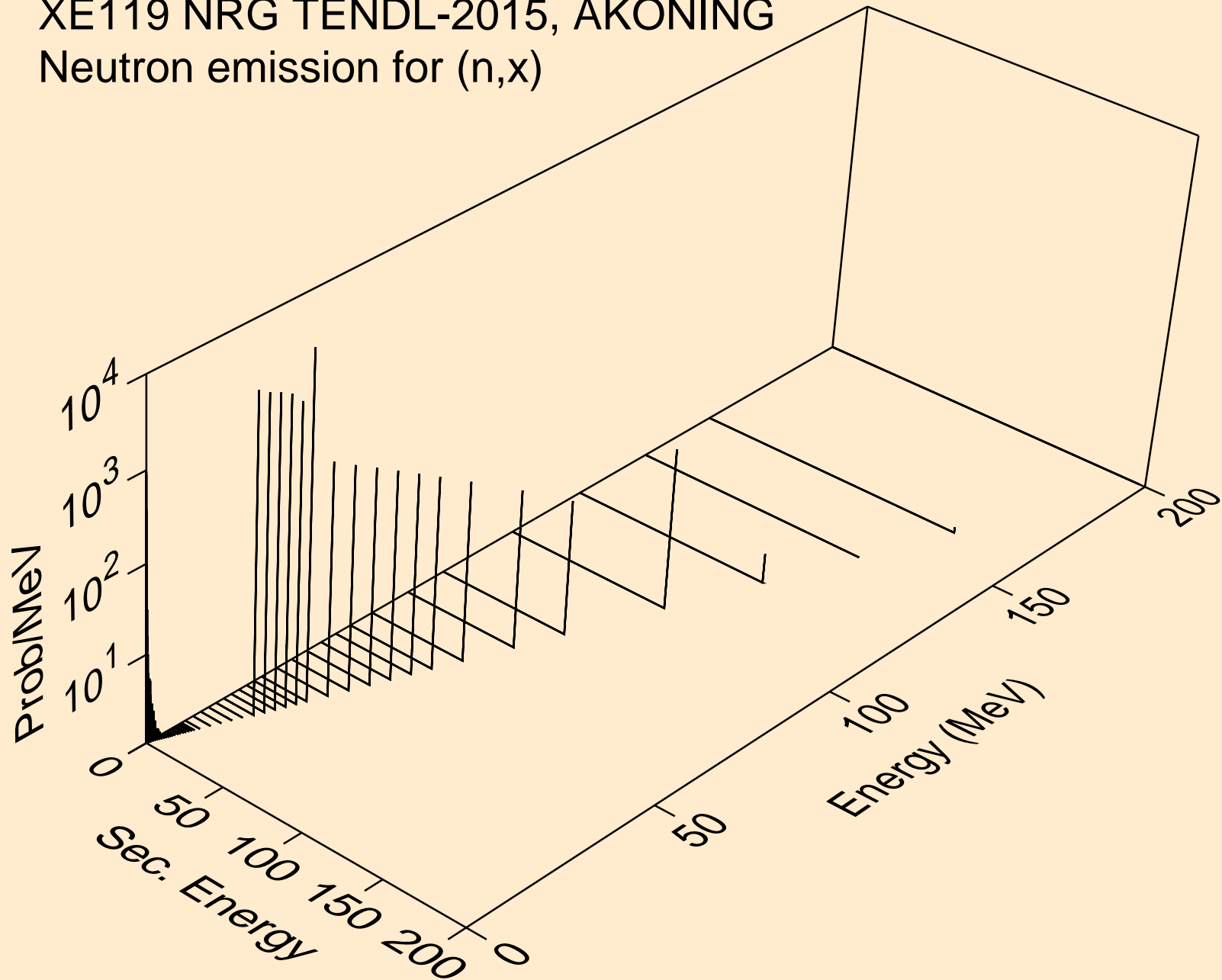
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



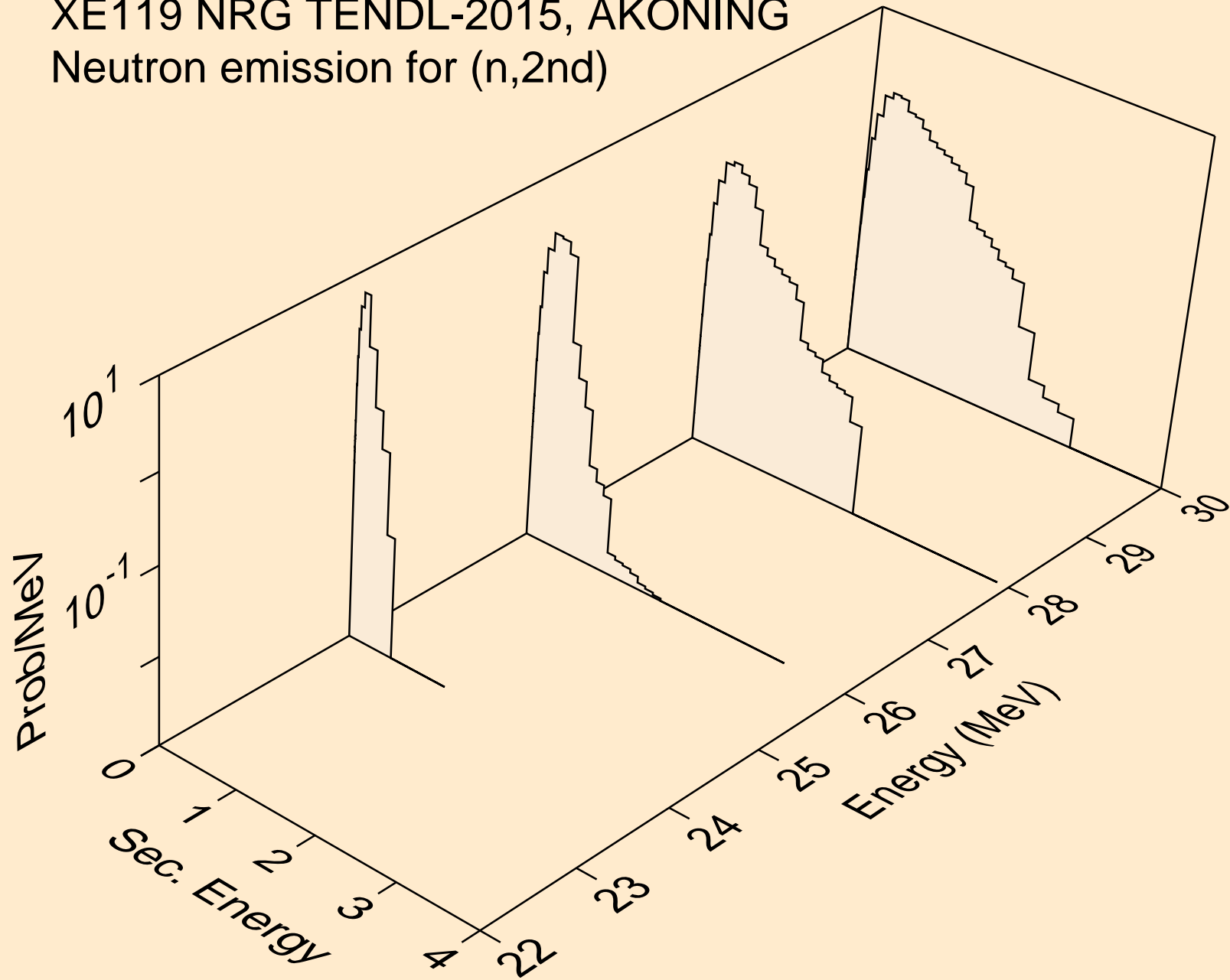
XE119 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



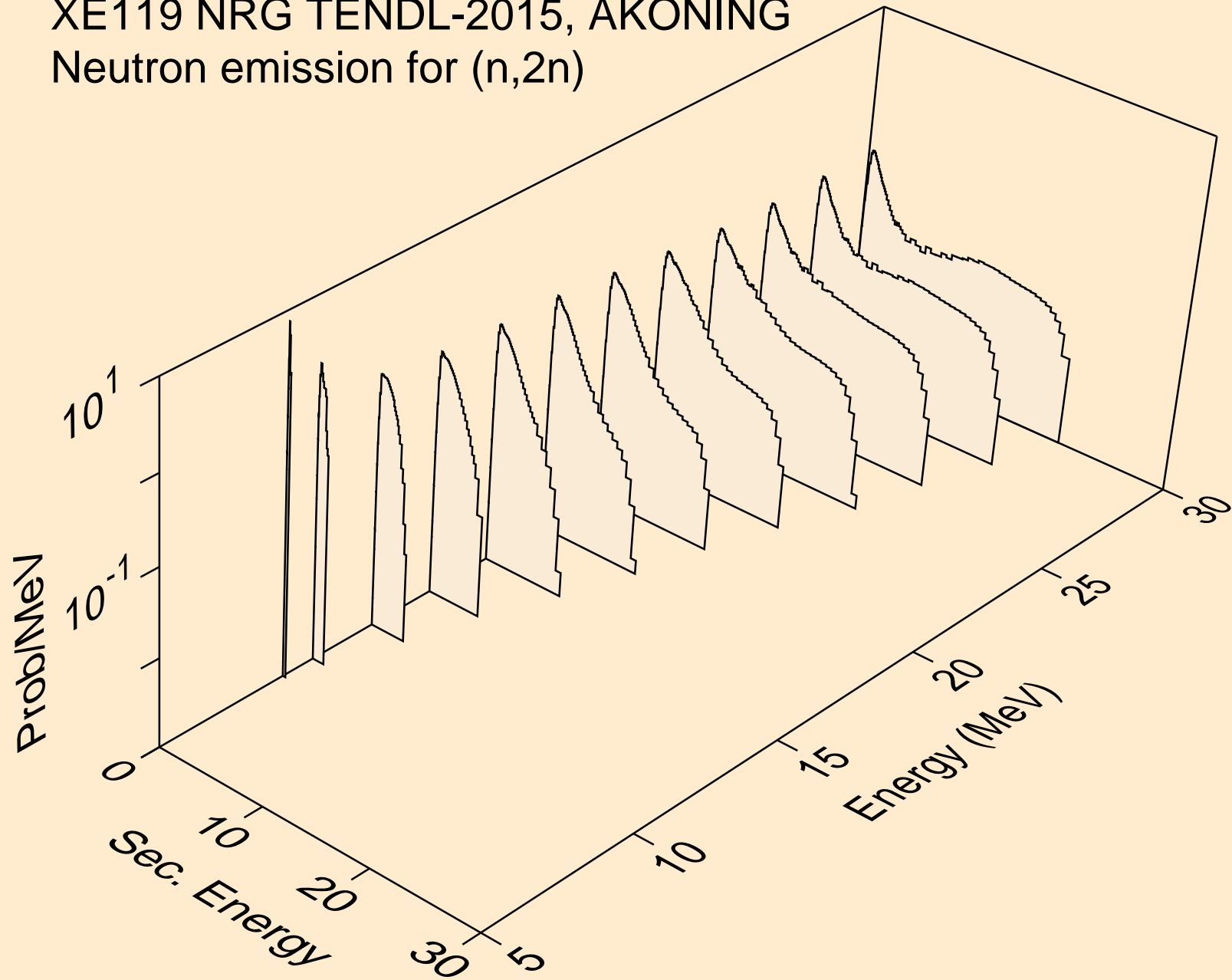
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



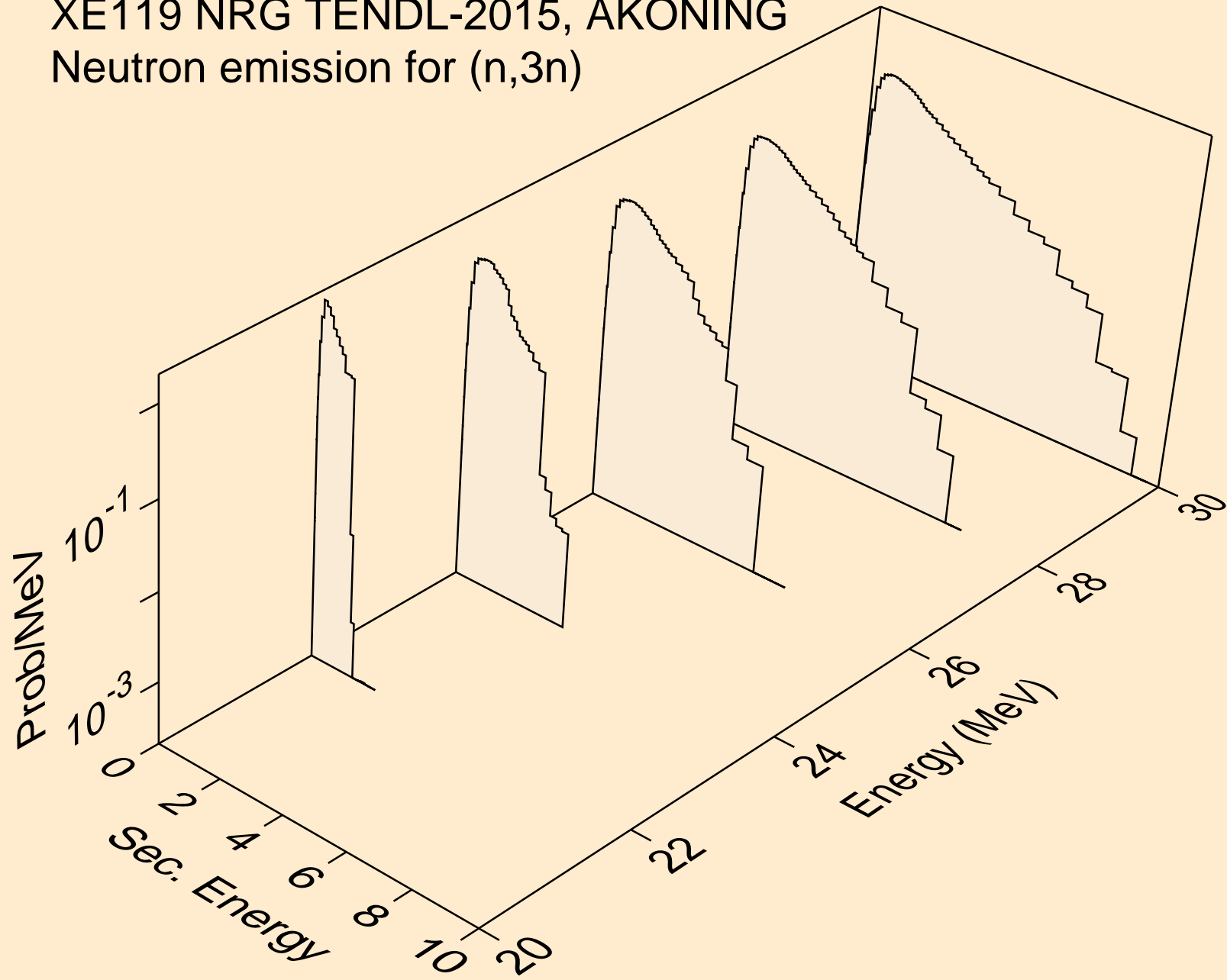
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



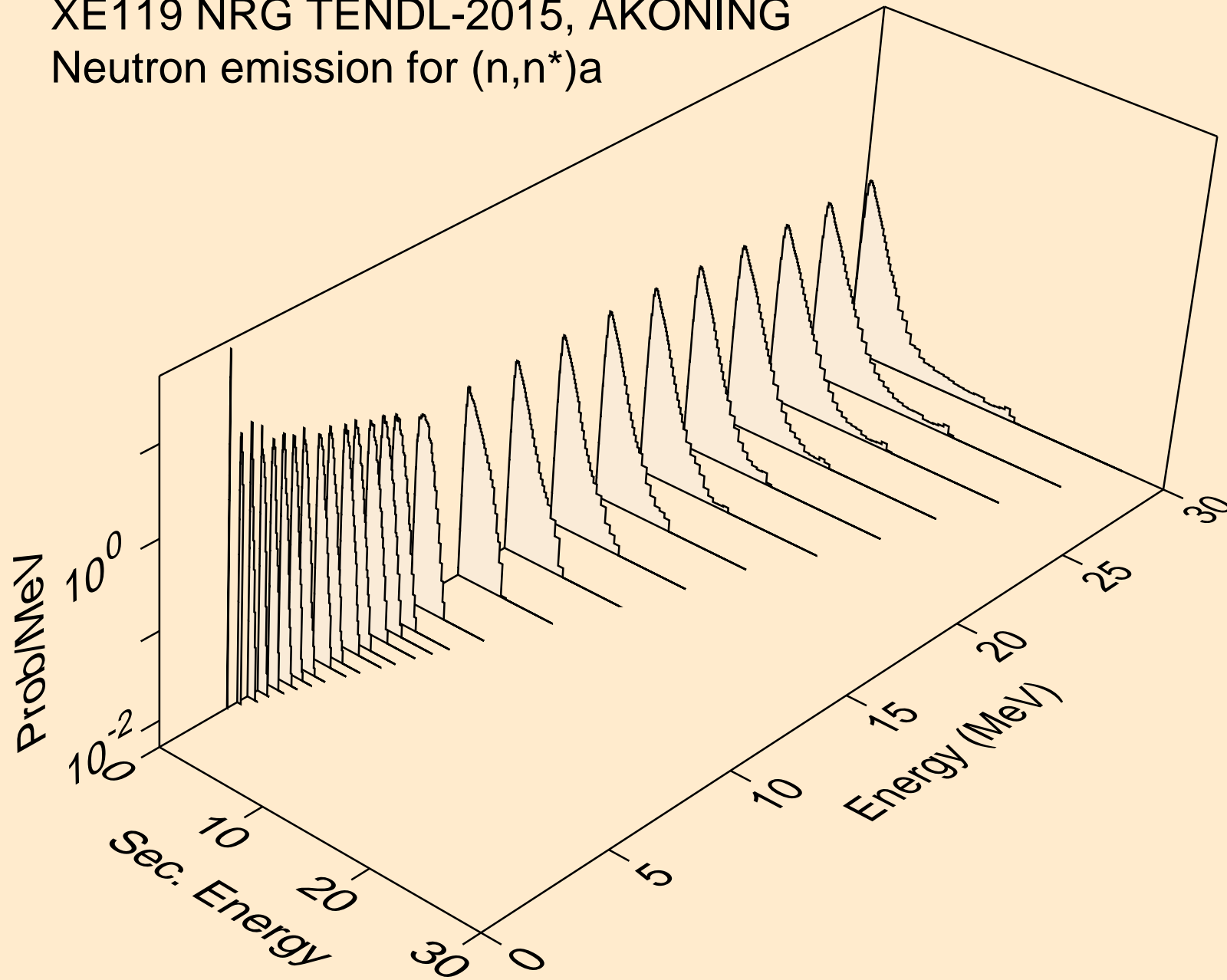
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



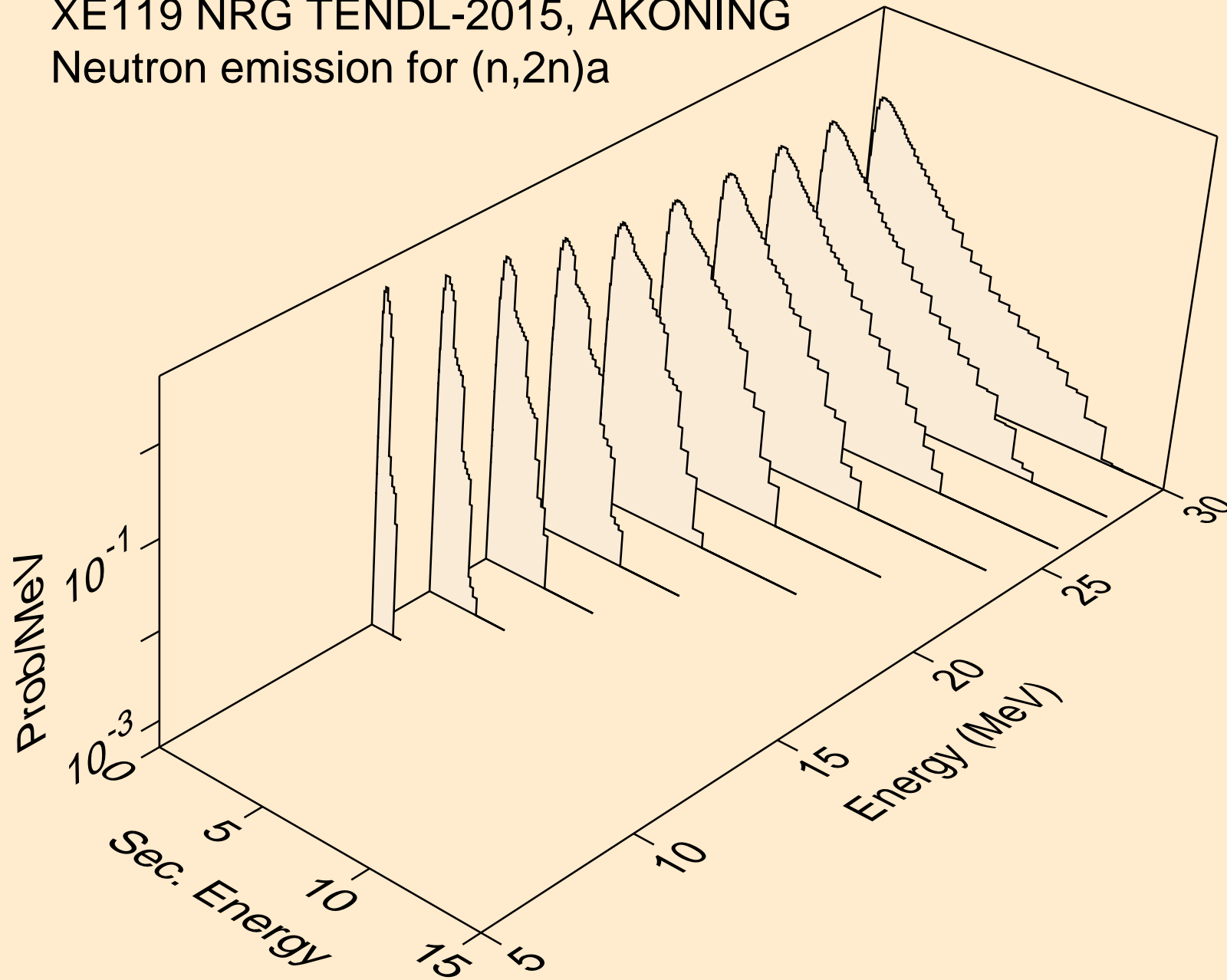
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

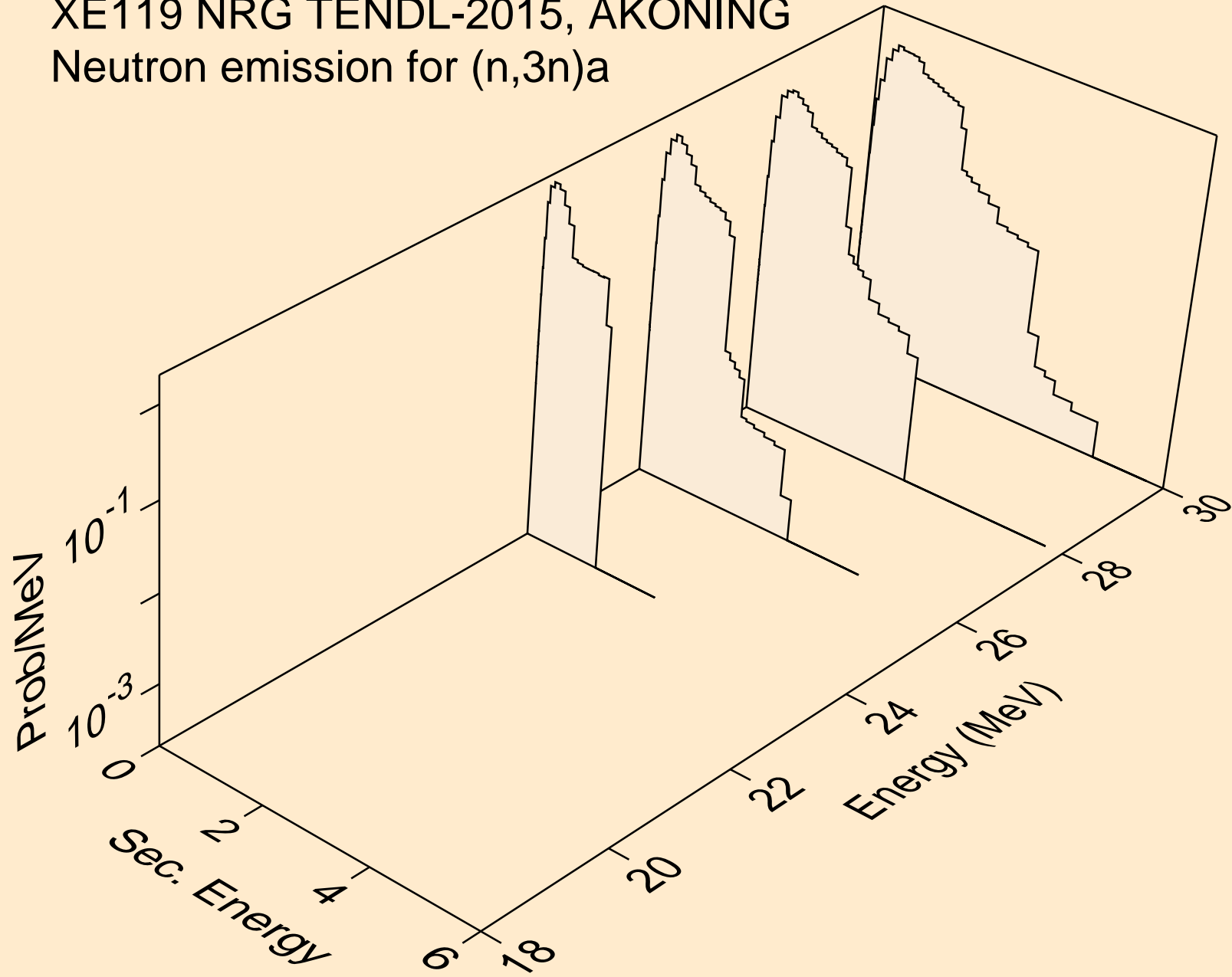


XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>a</sub>

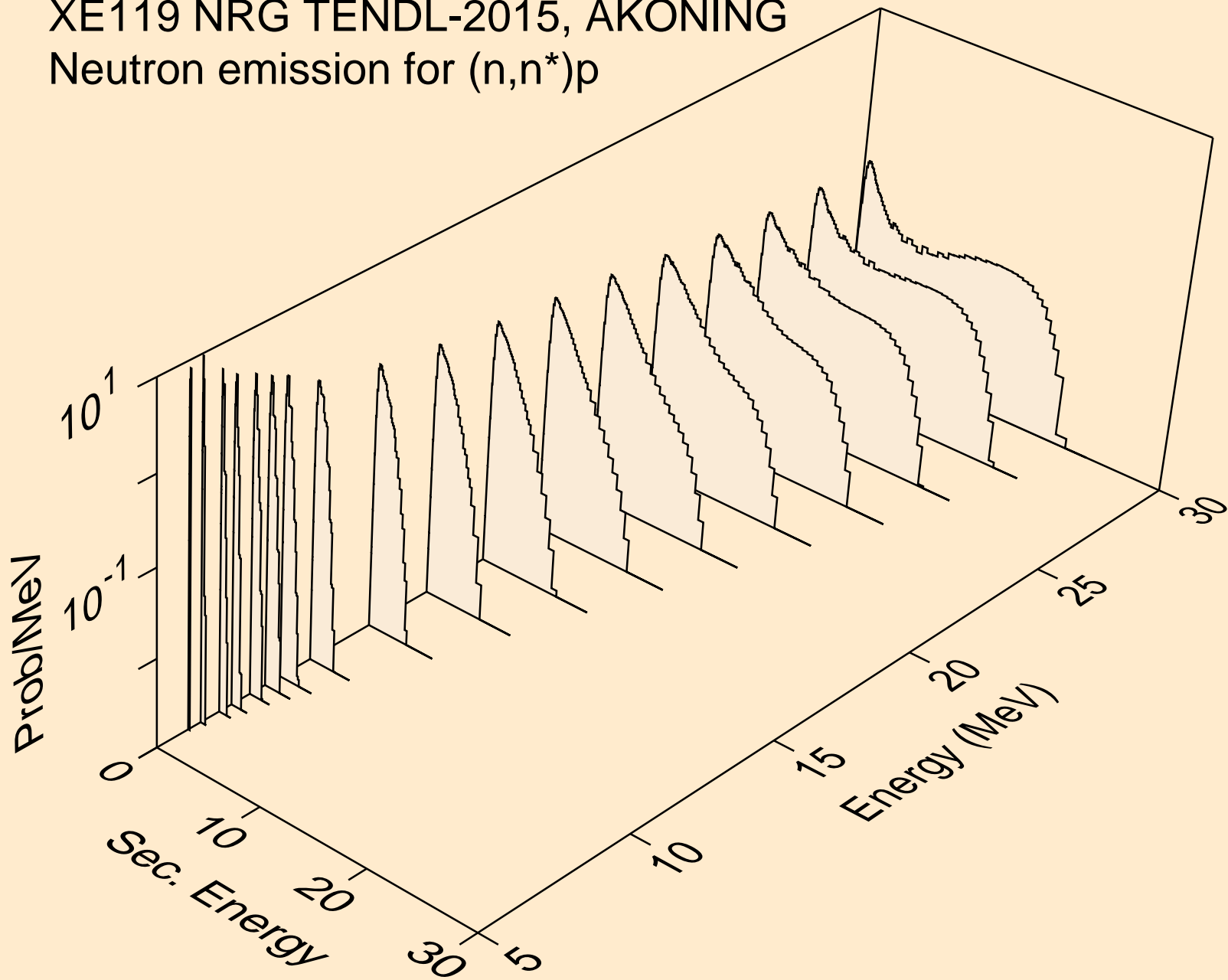




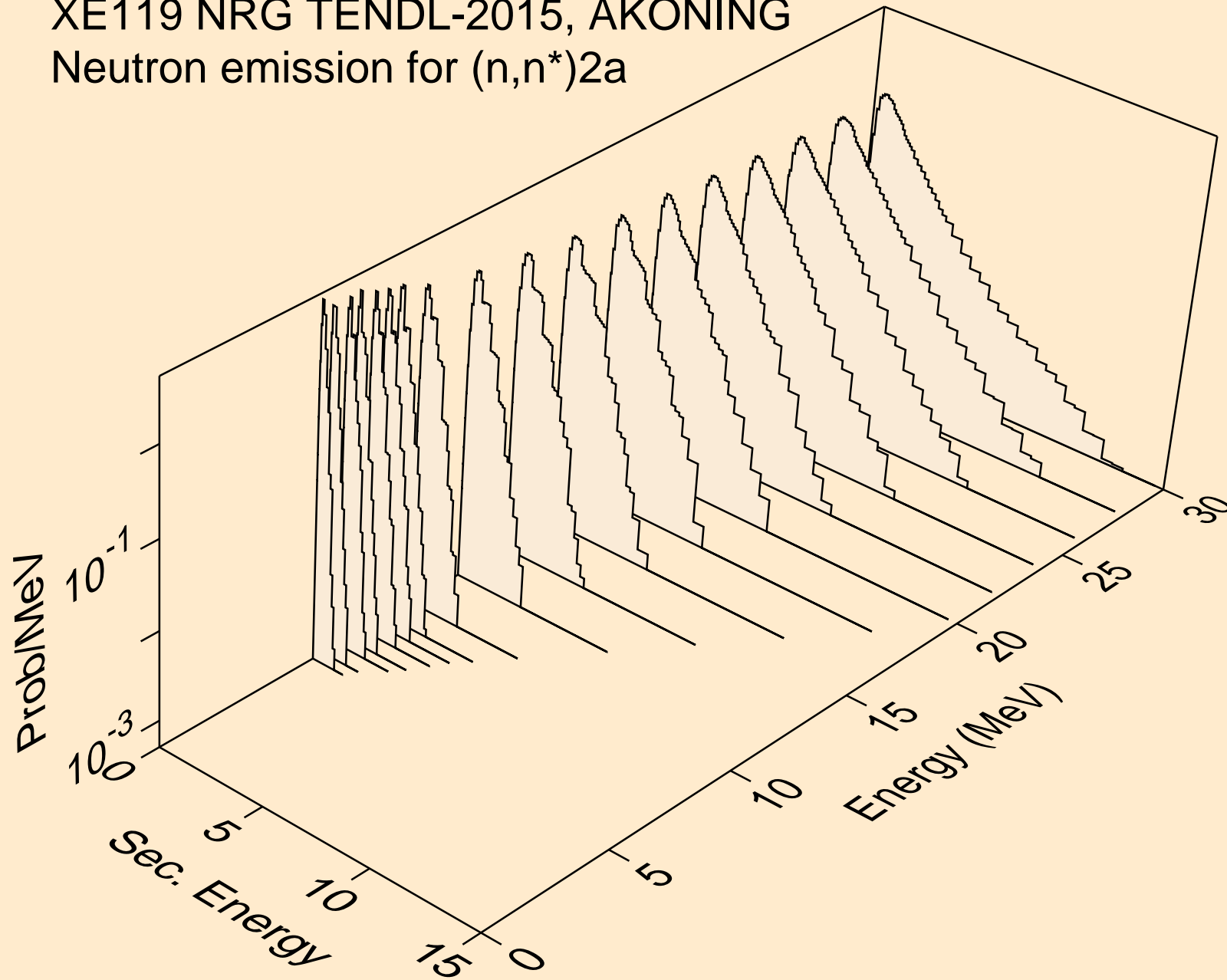
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



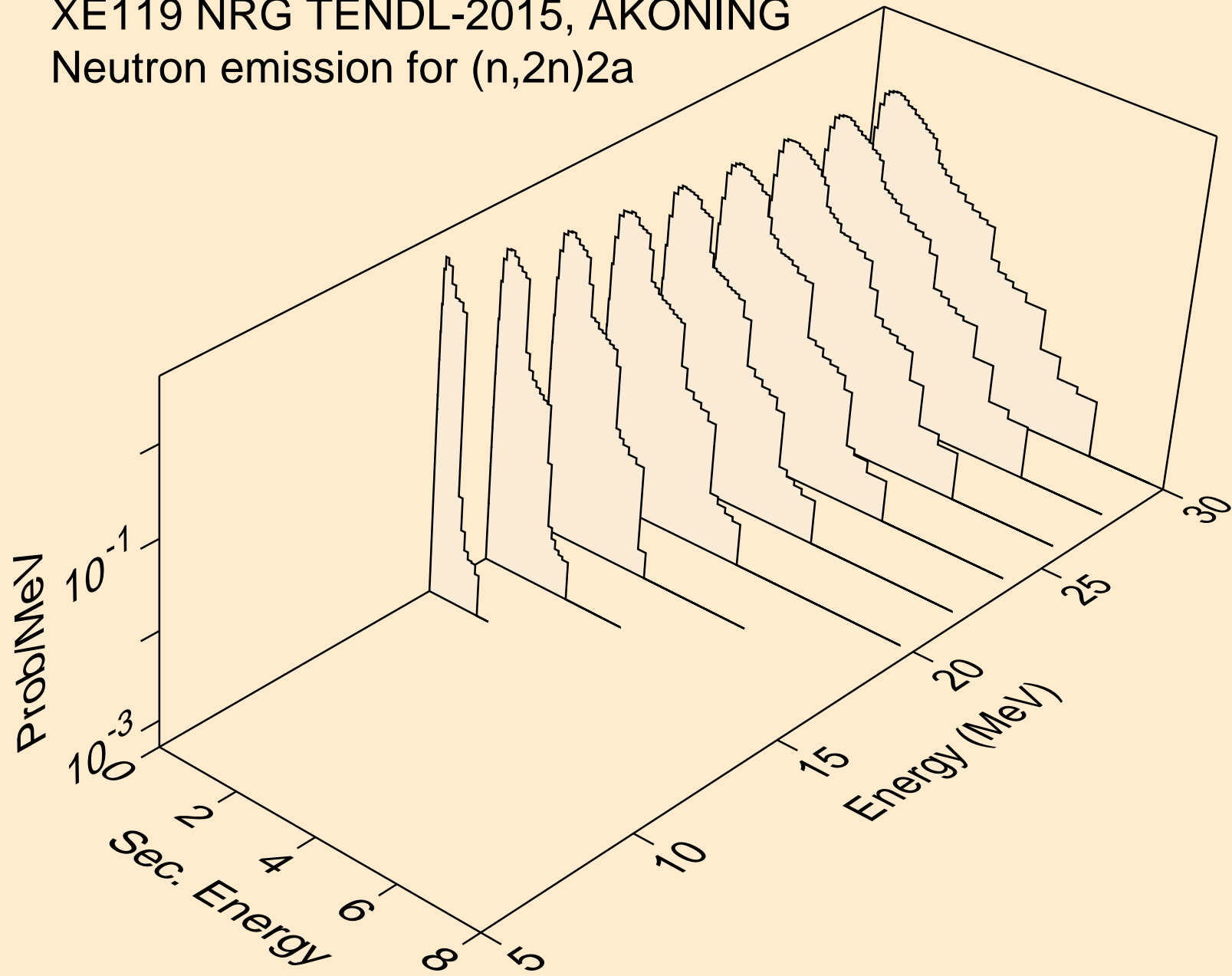
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



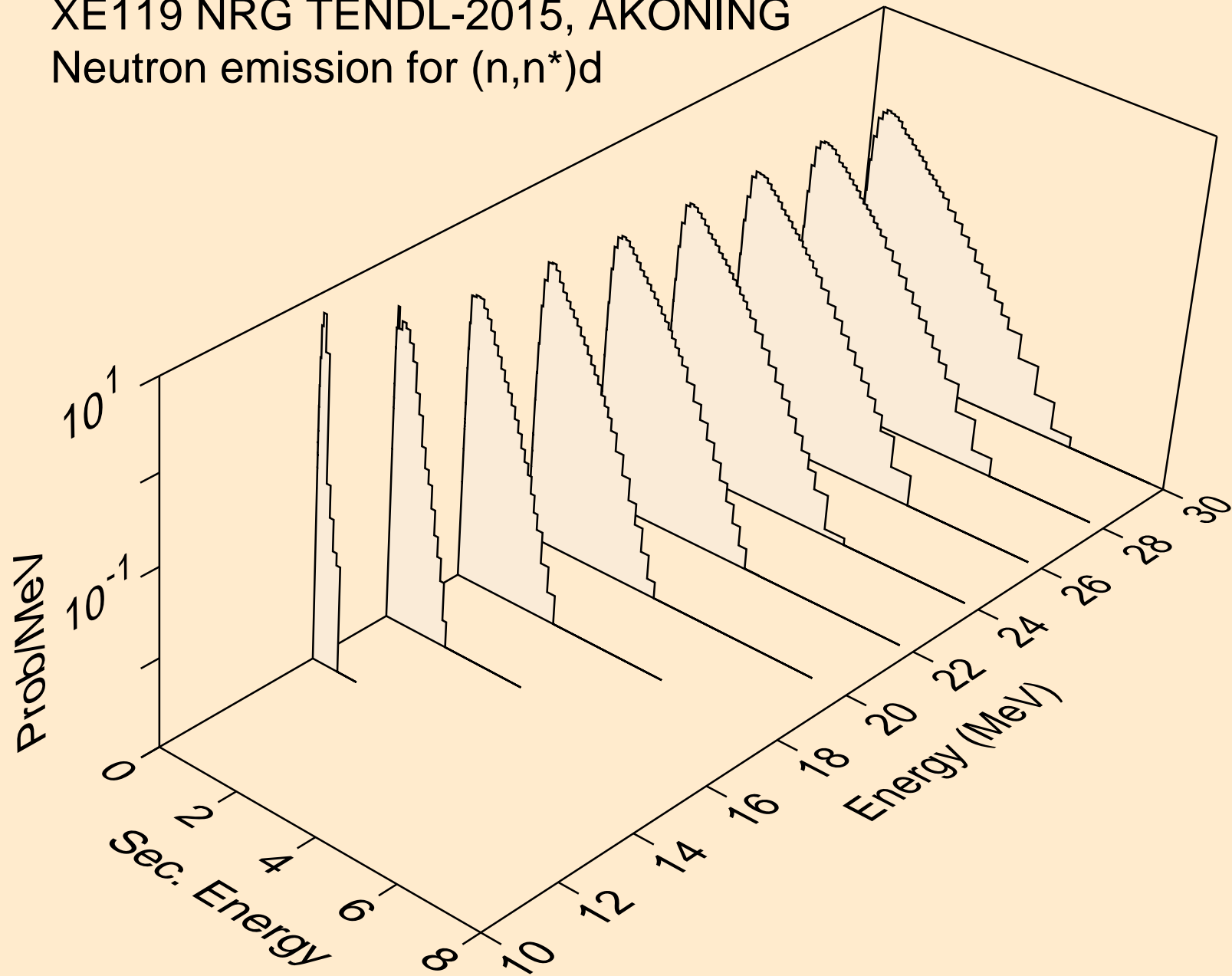
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



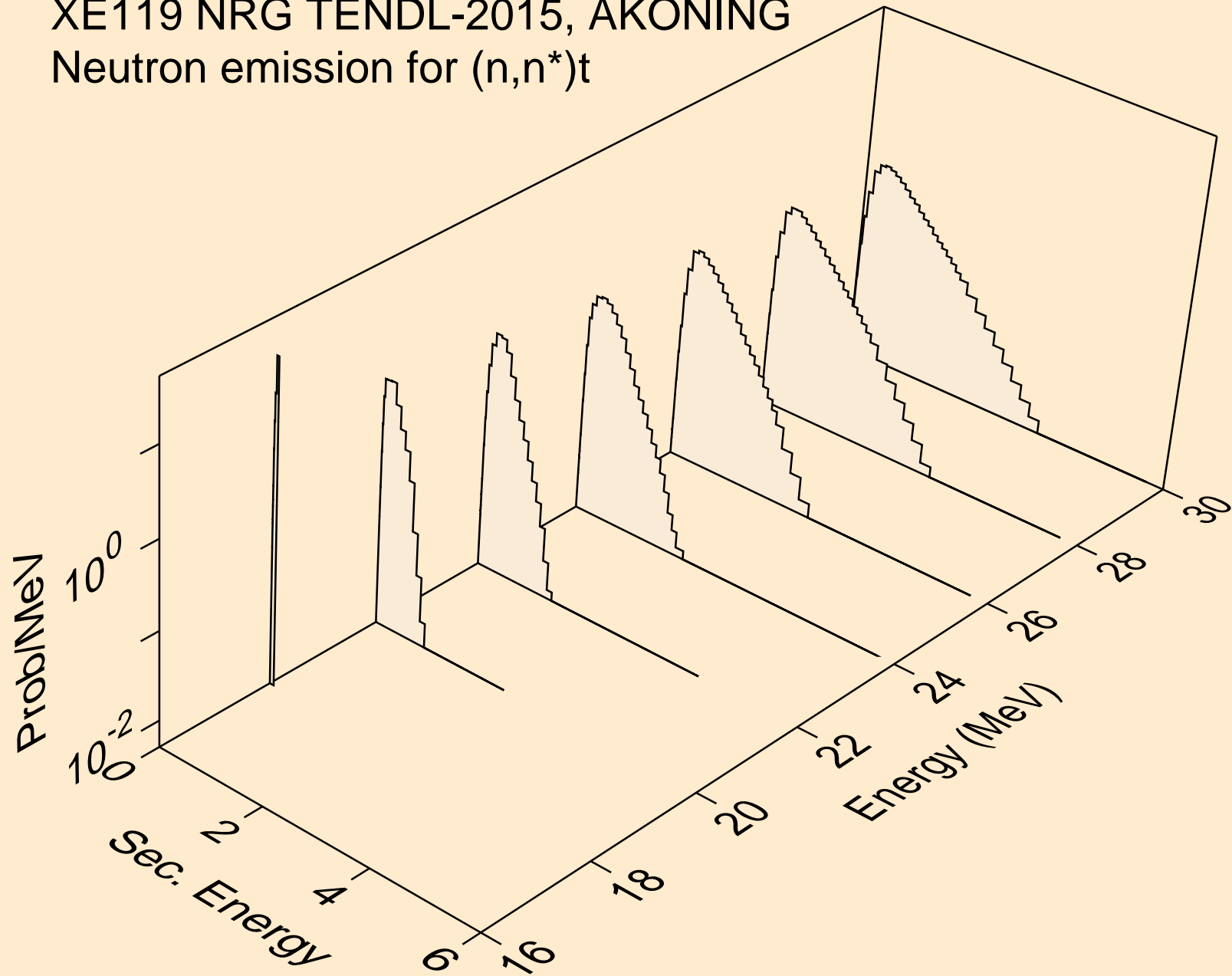
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



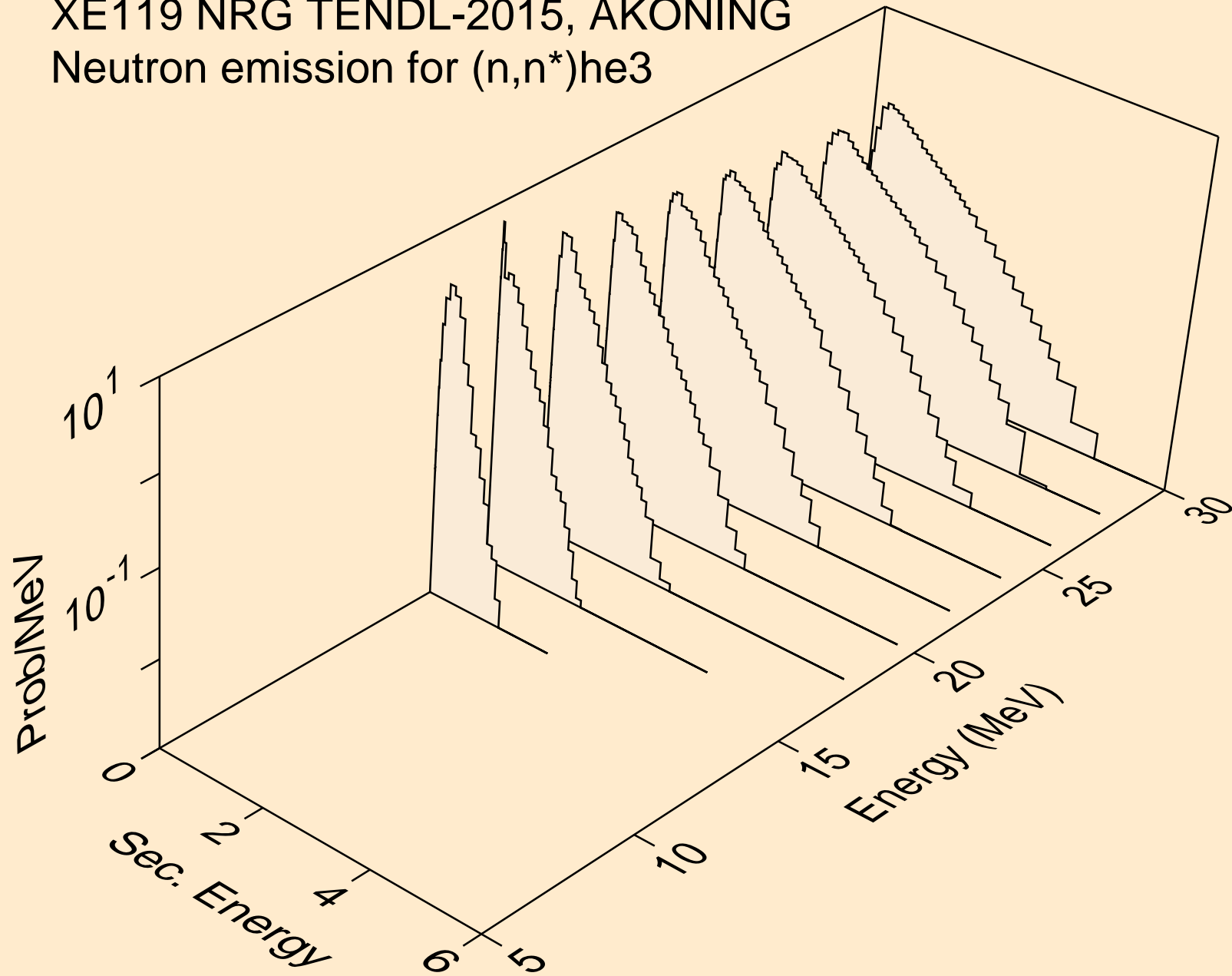
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



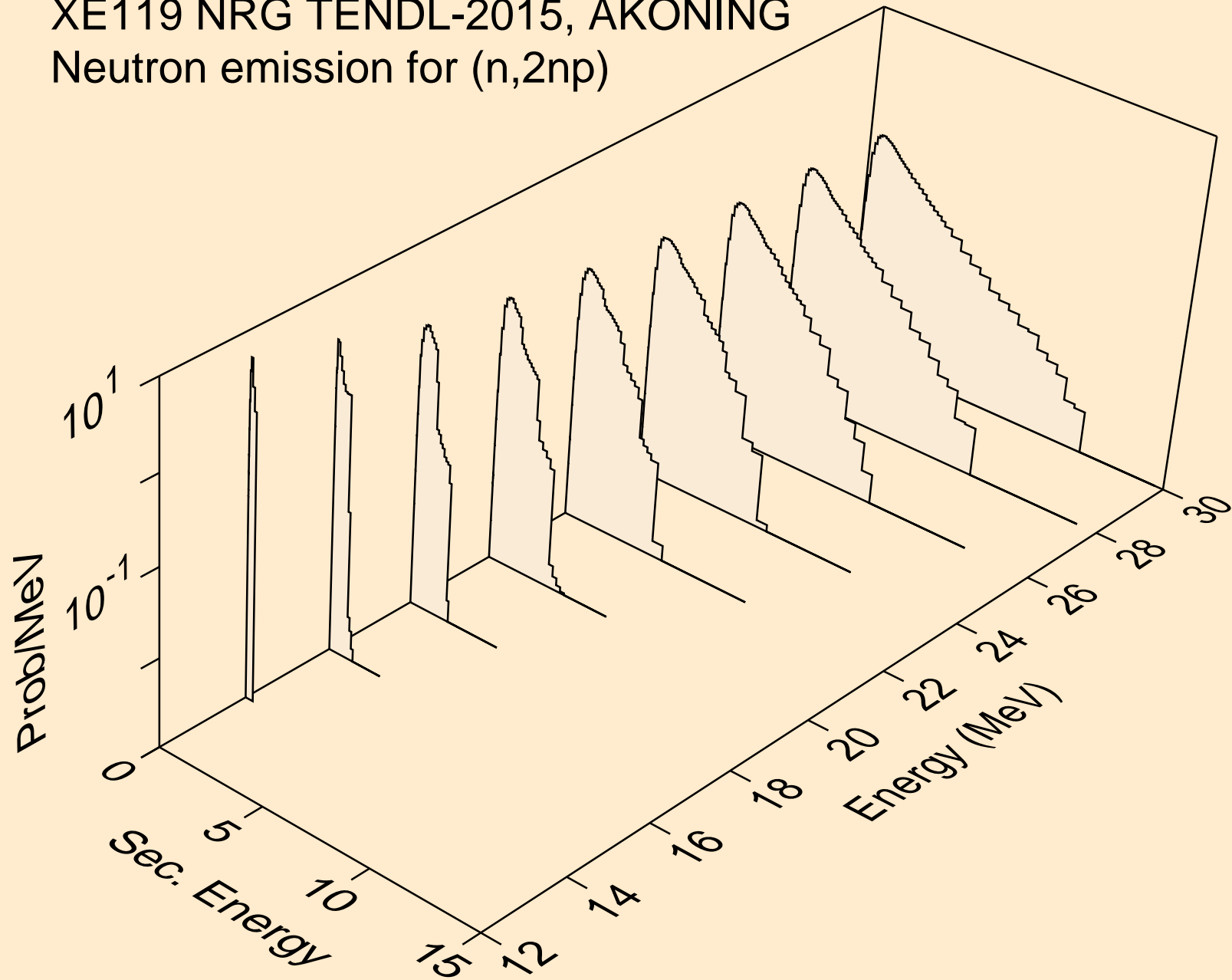
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

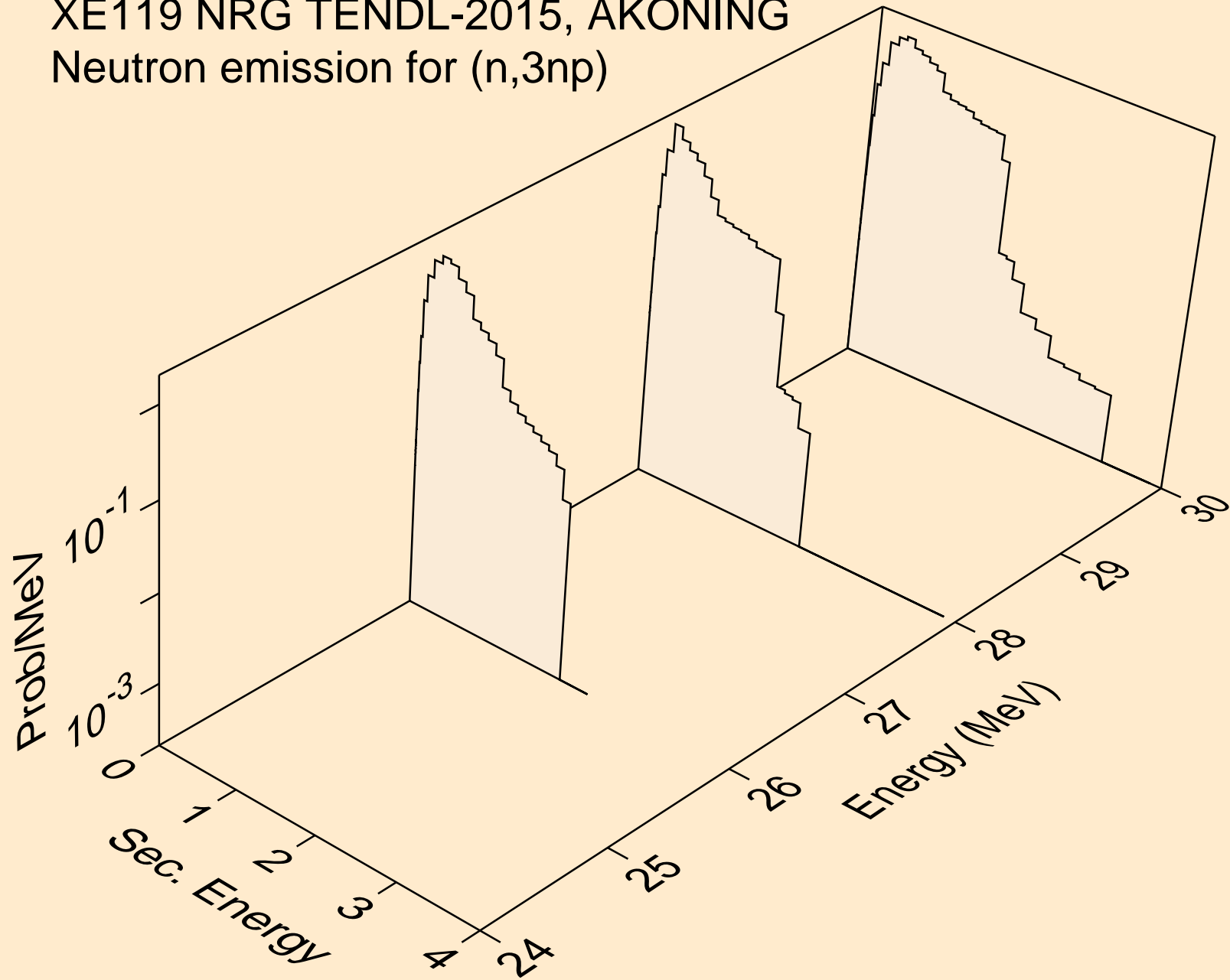


XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

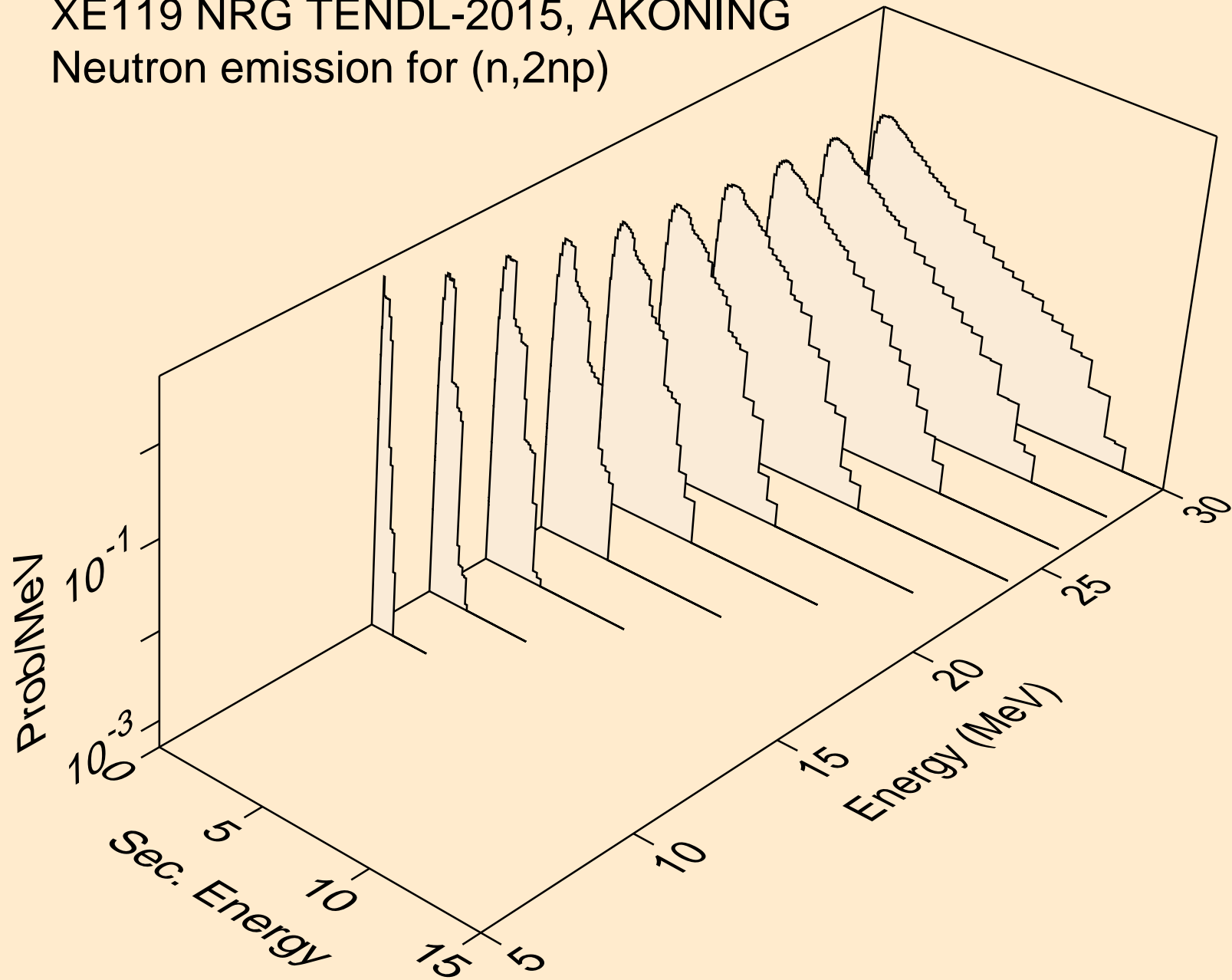




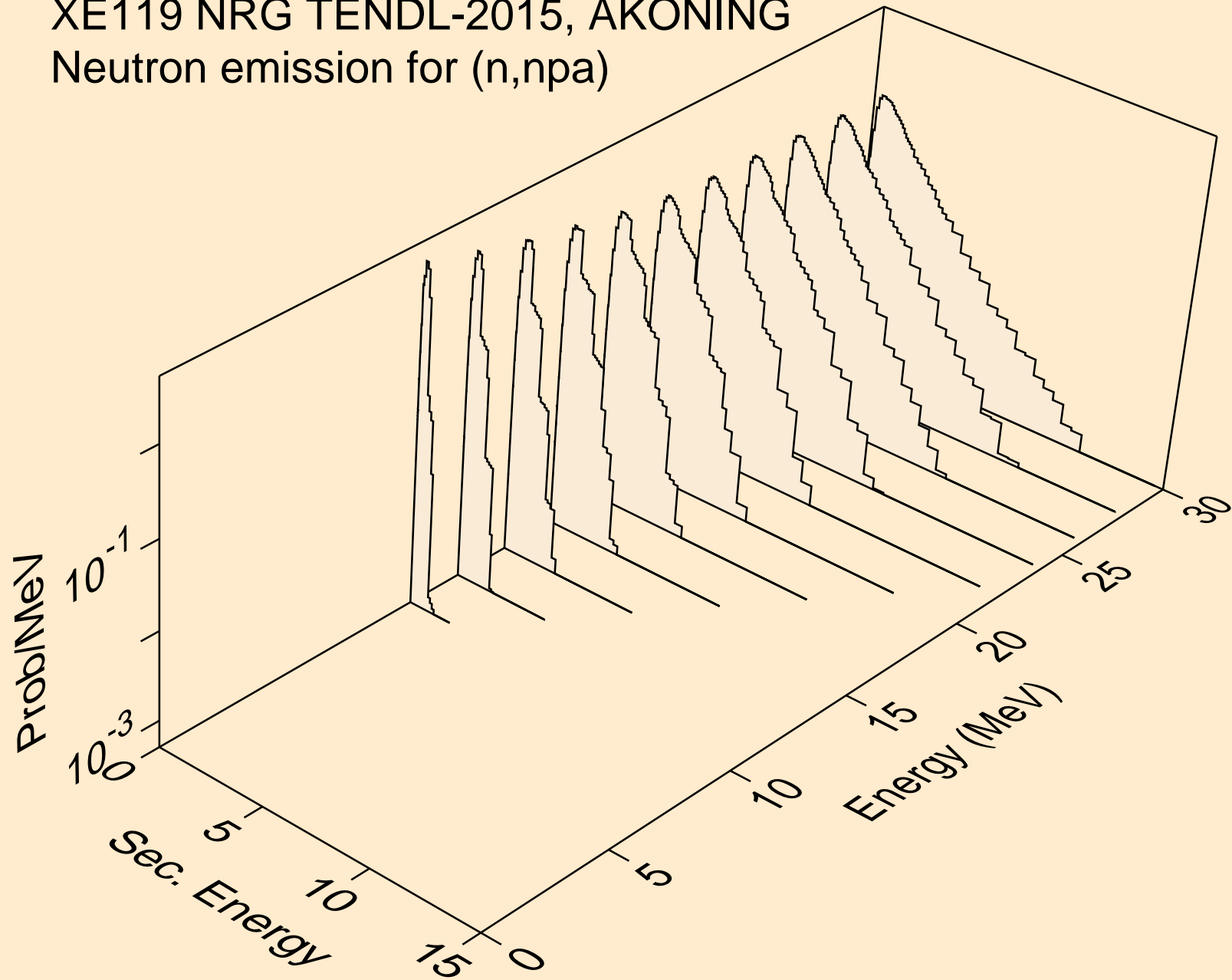
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



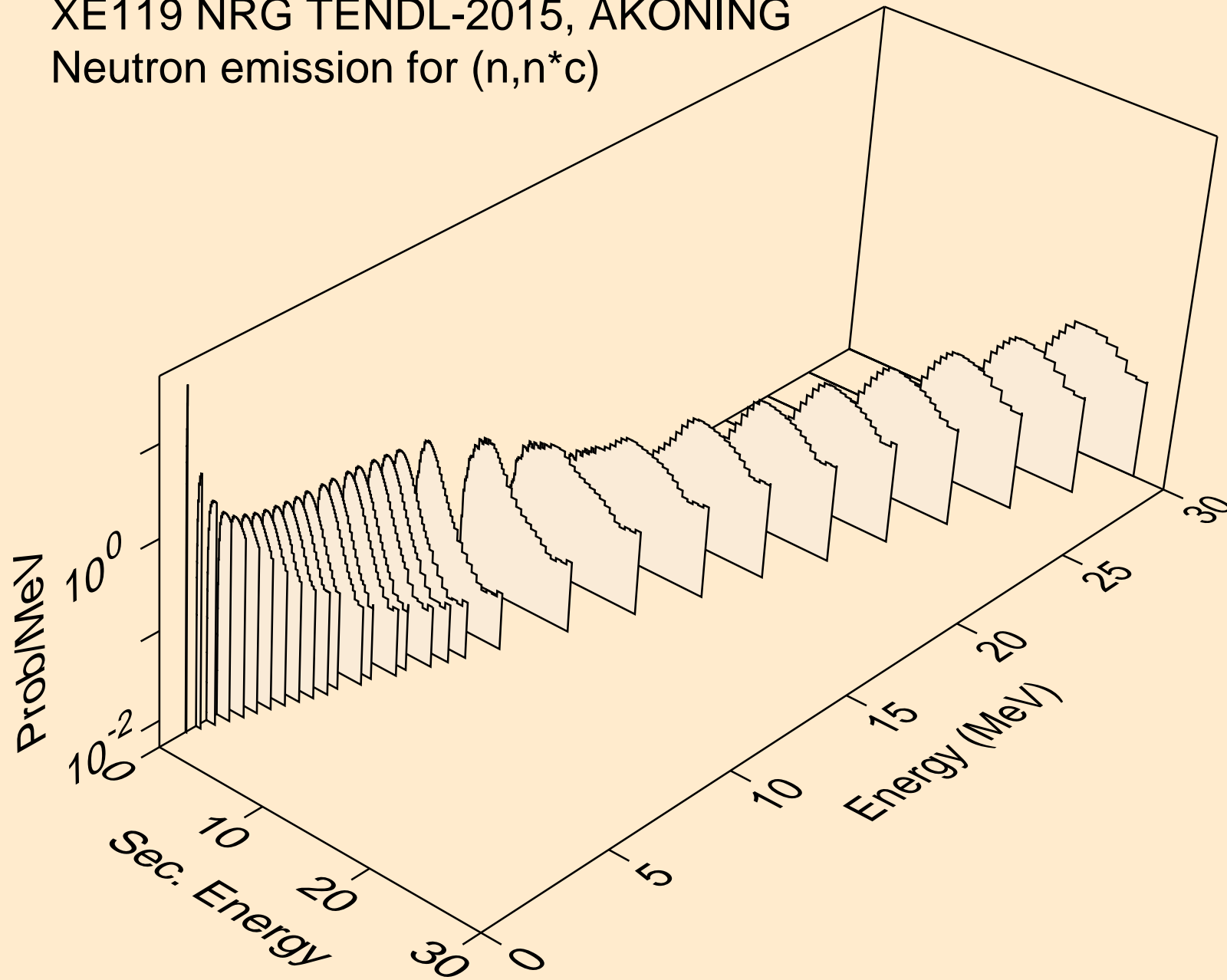
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



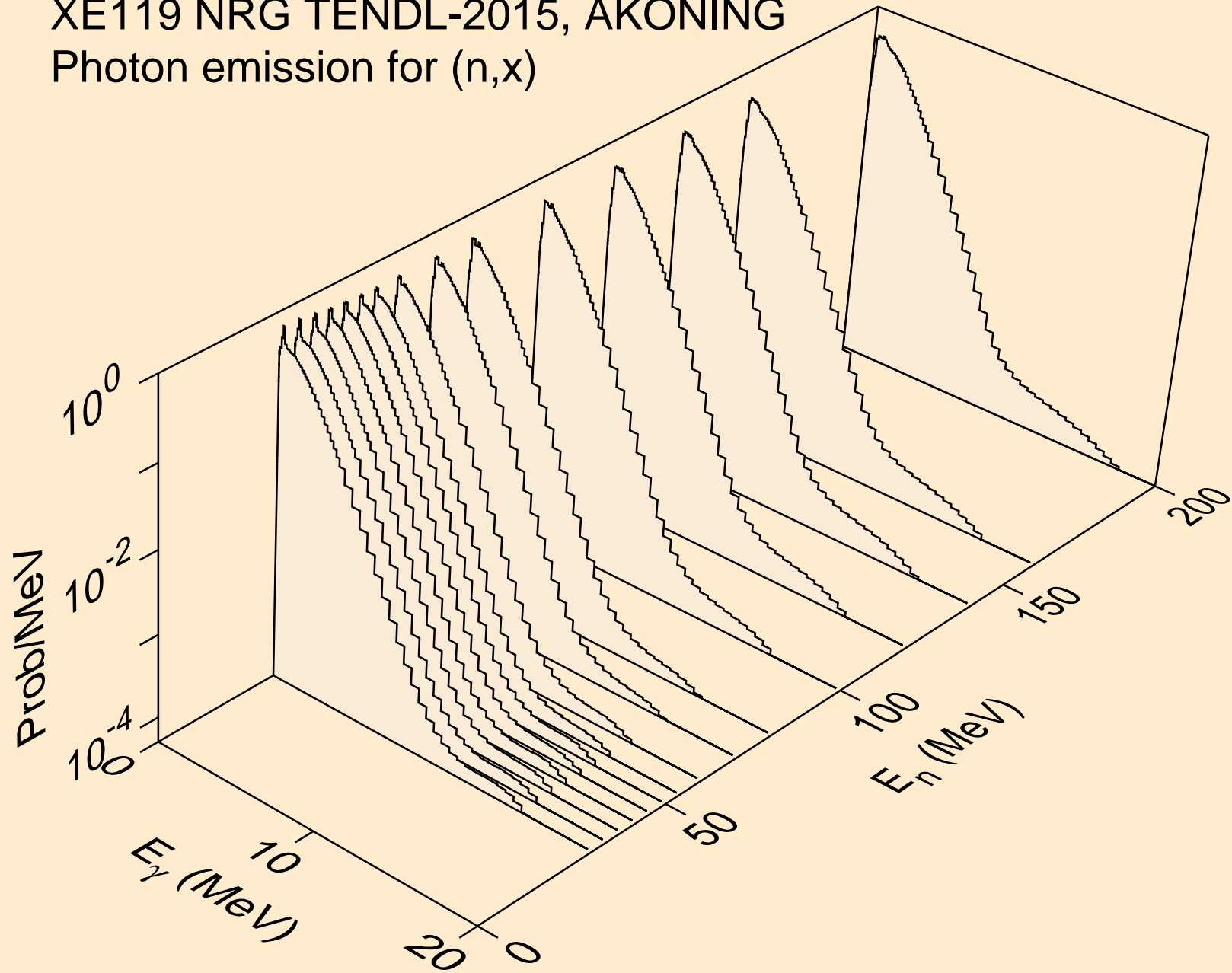
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



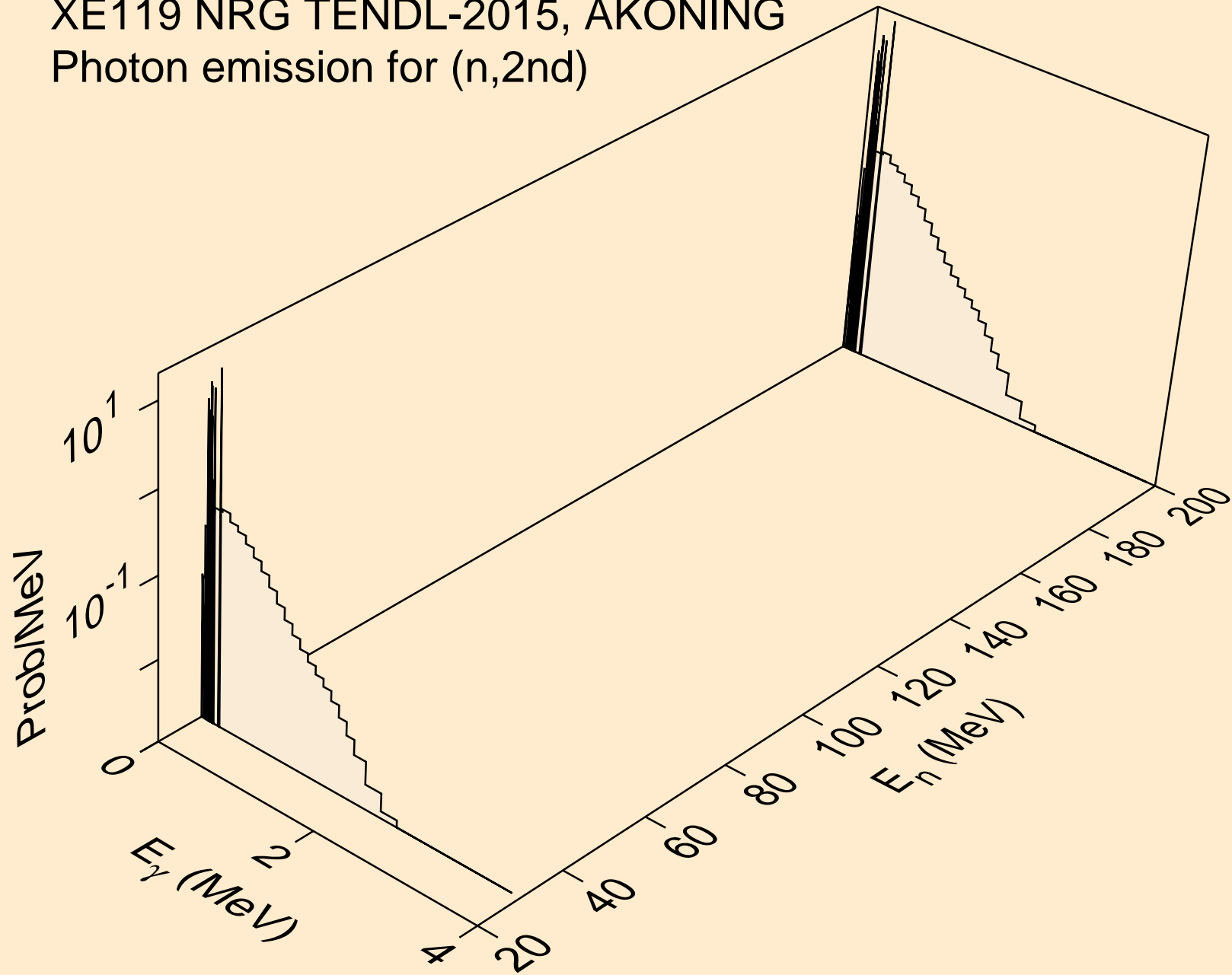
XE119 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



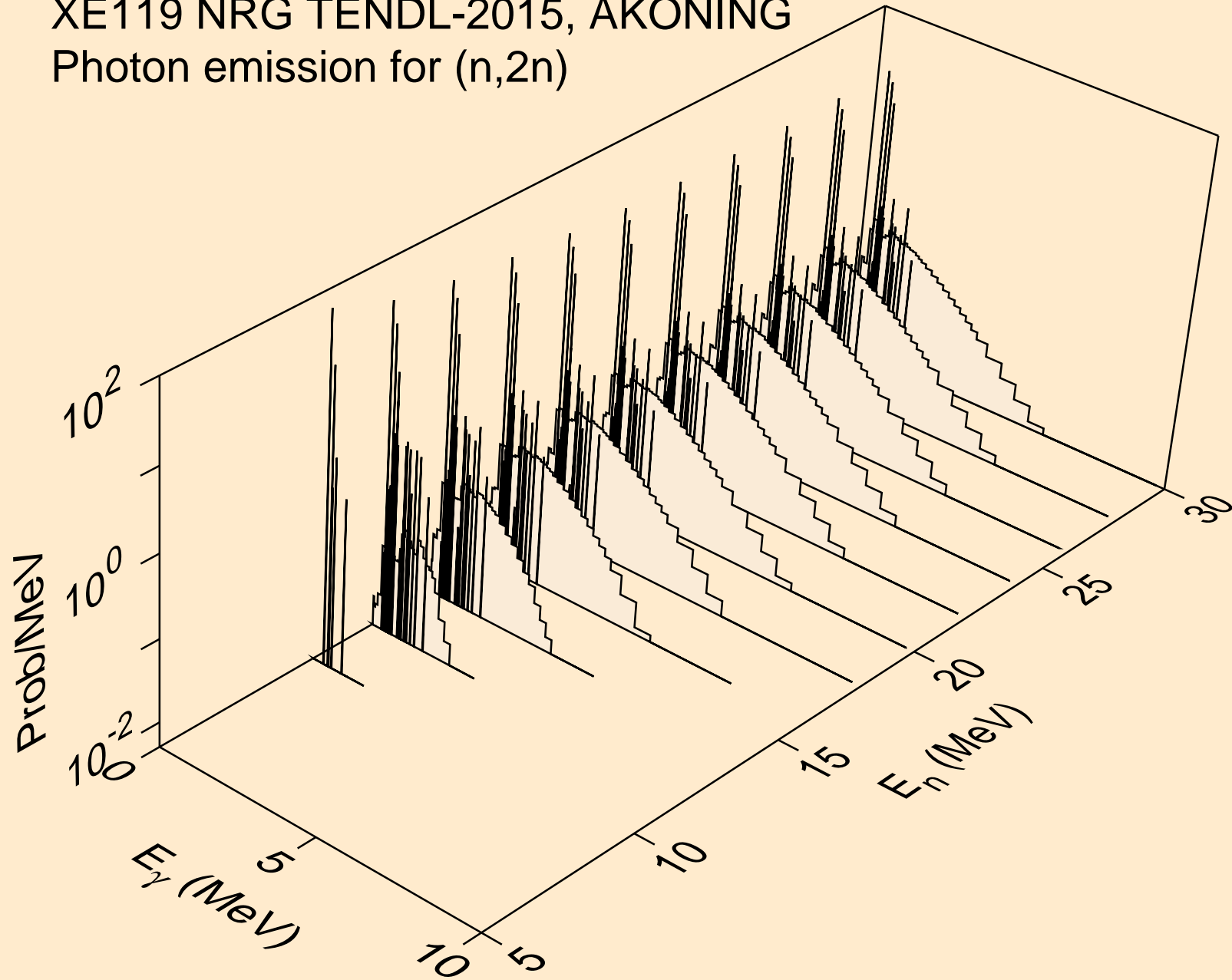
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



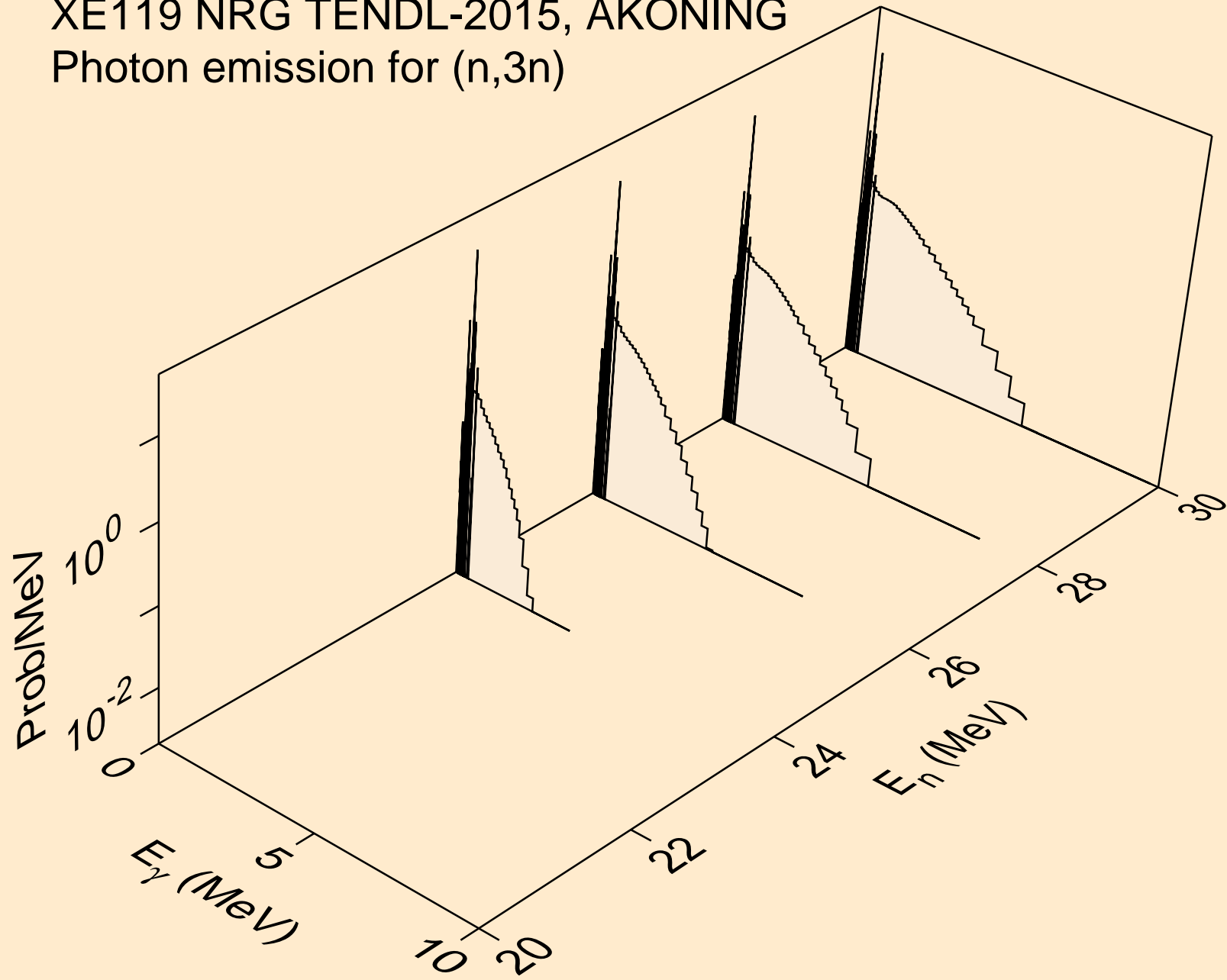
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

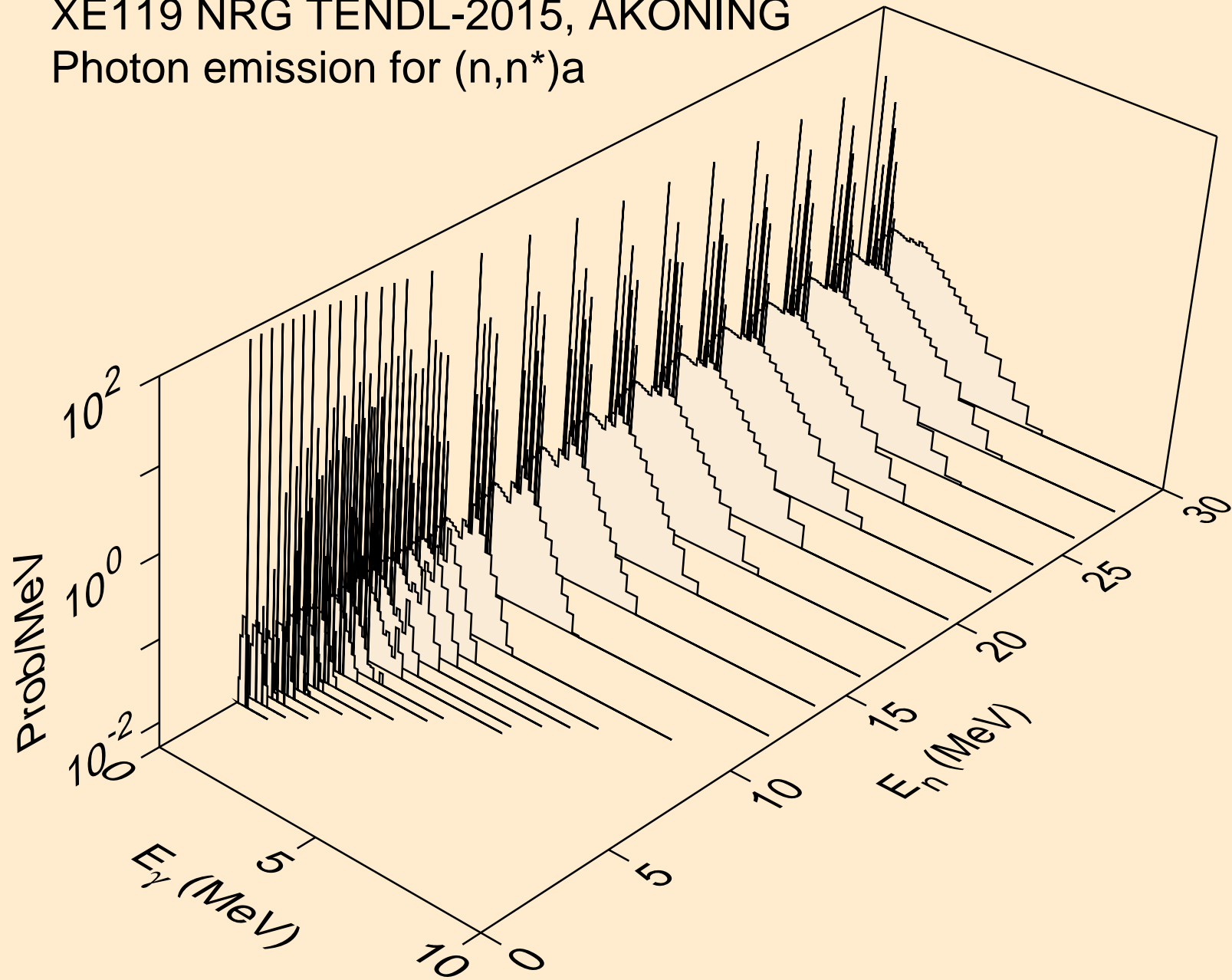


XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

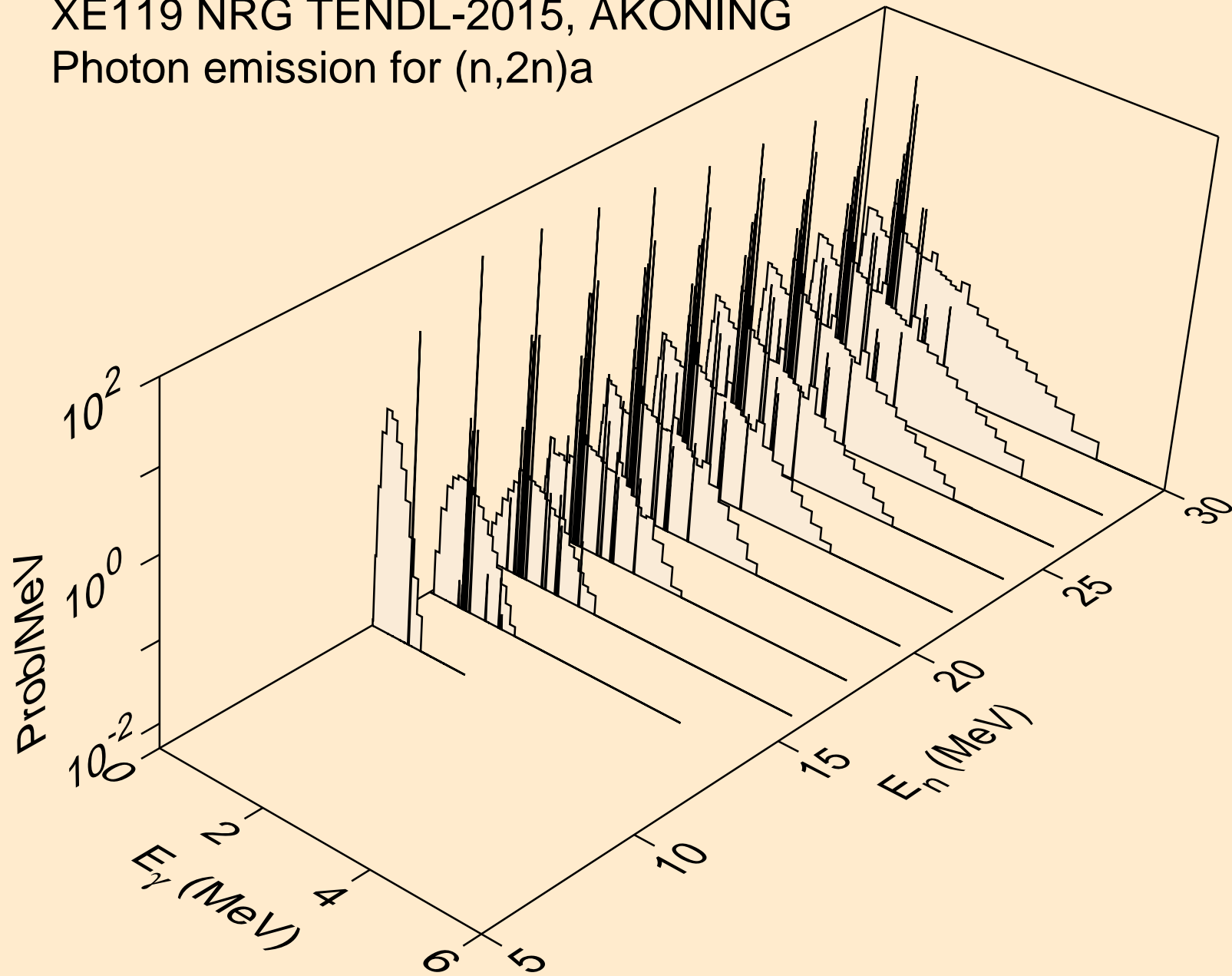




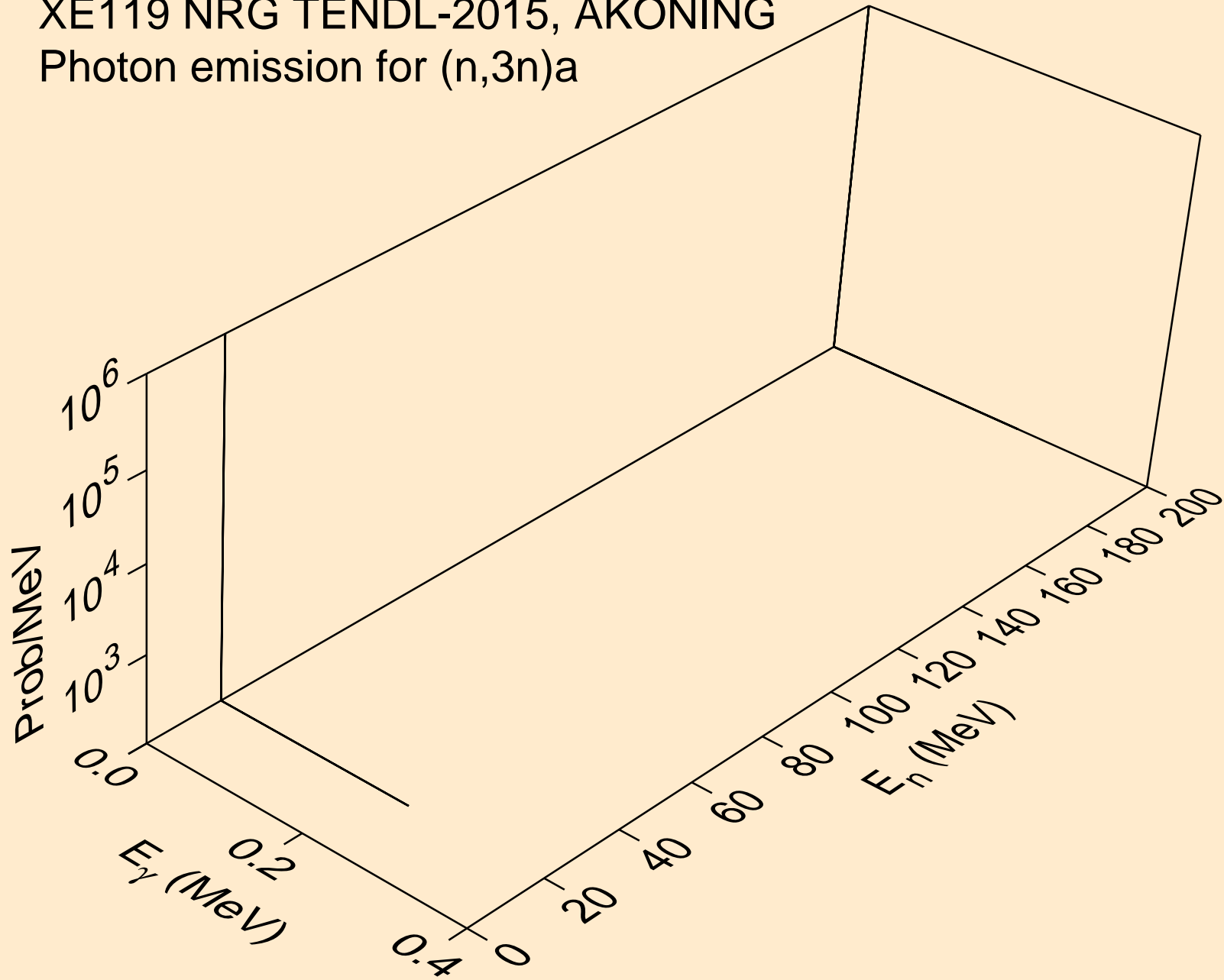
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



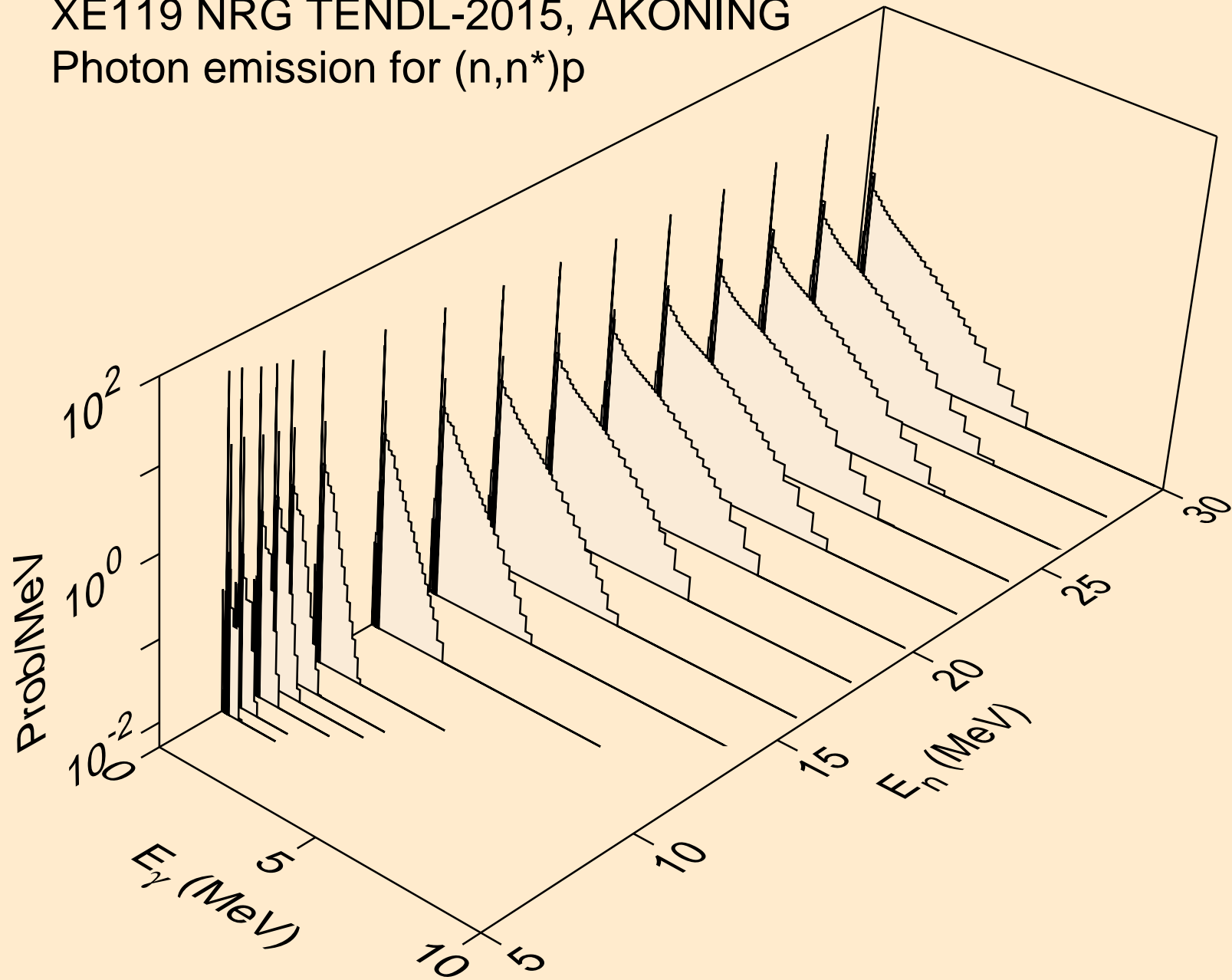
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



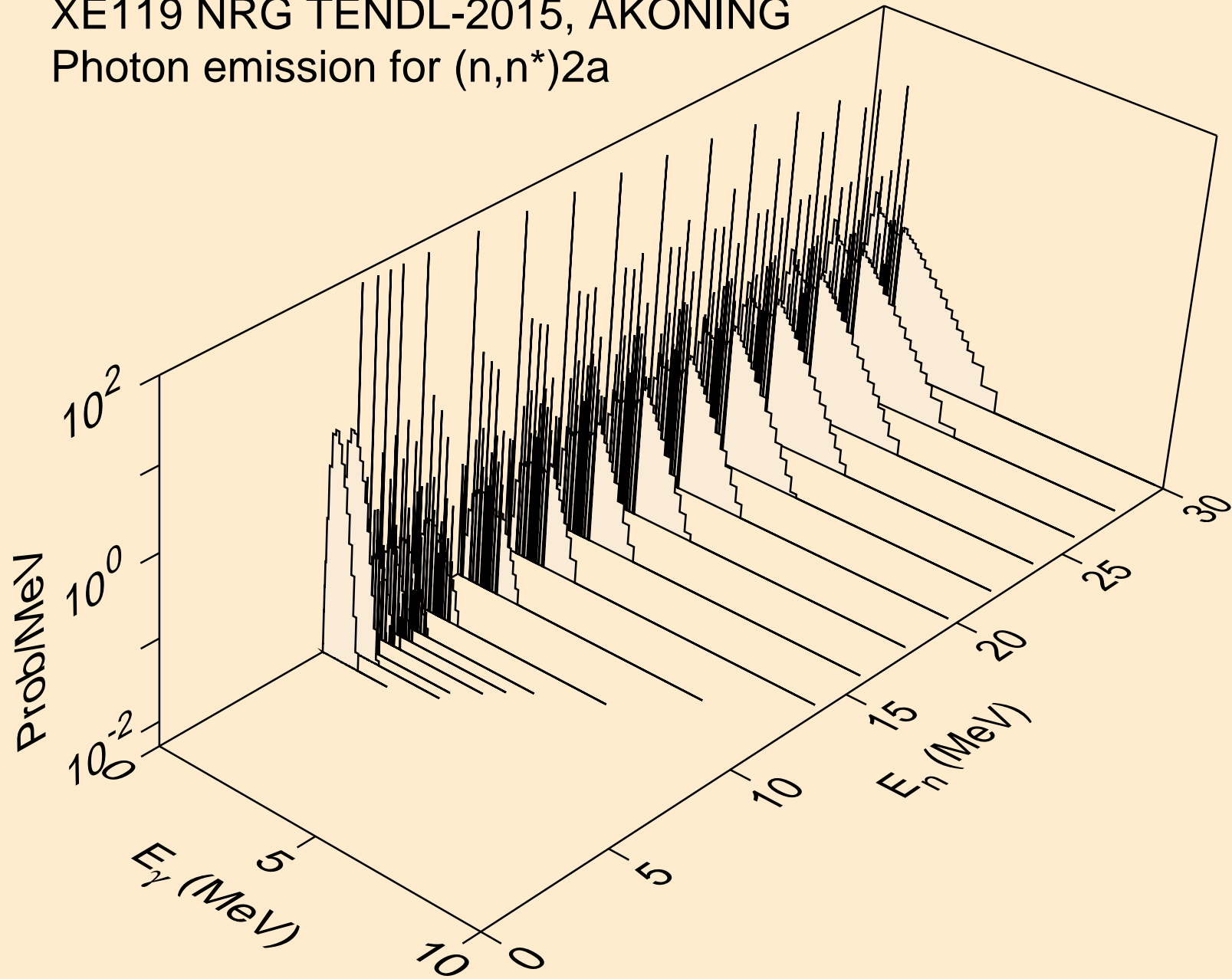
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



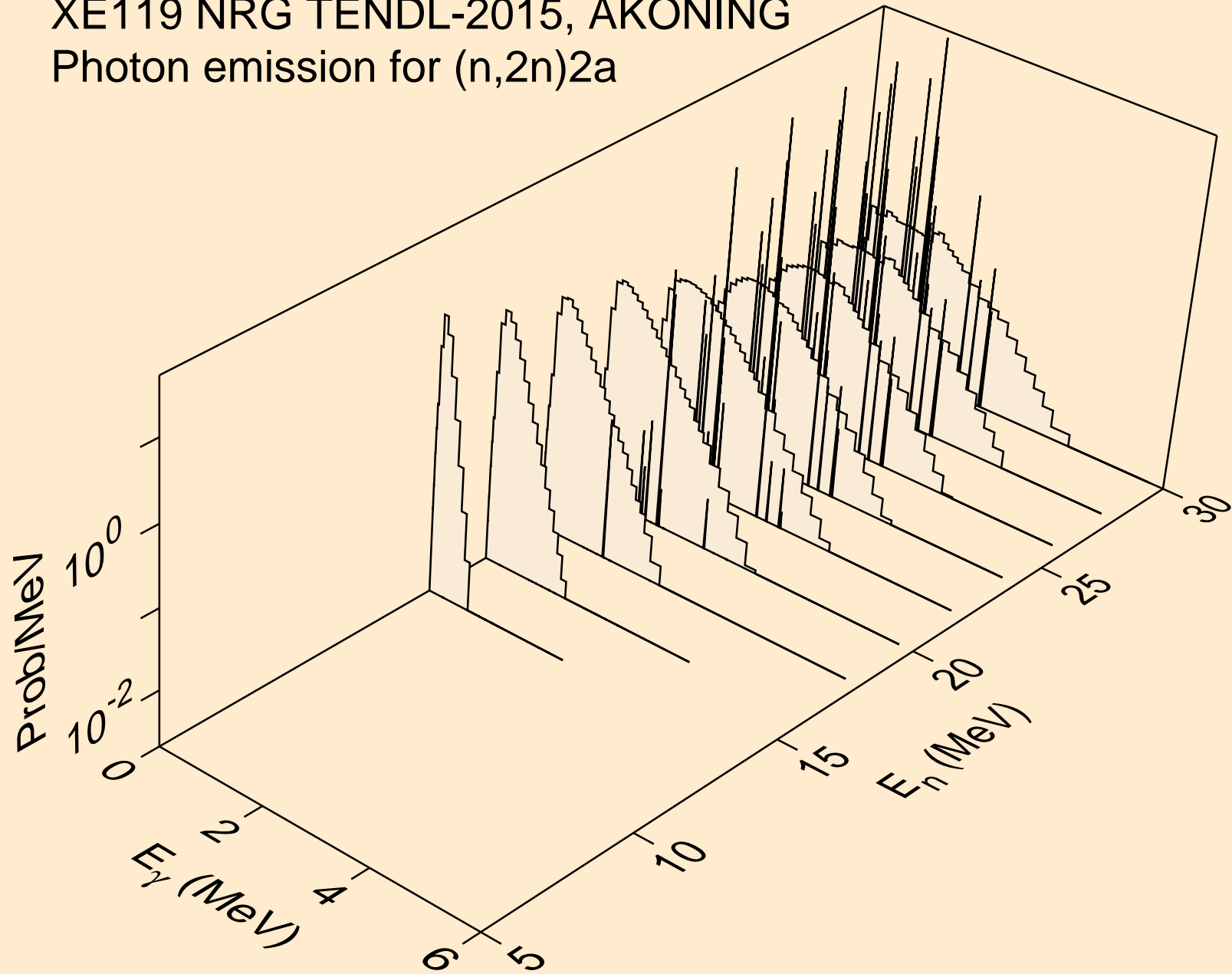
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



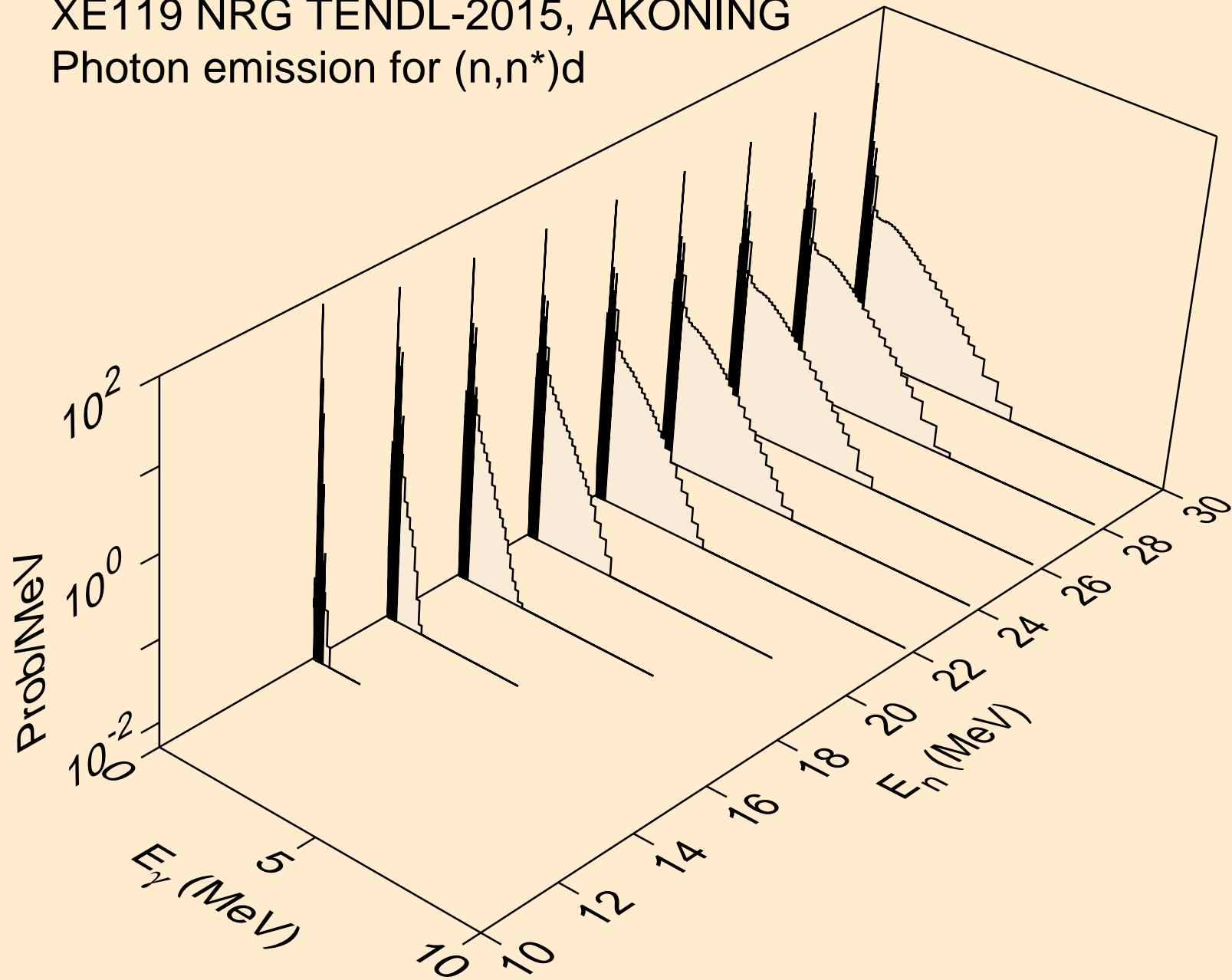
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



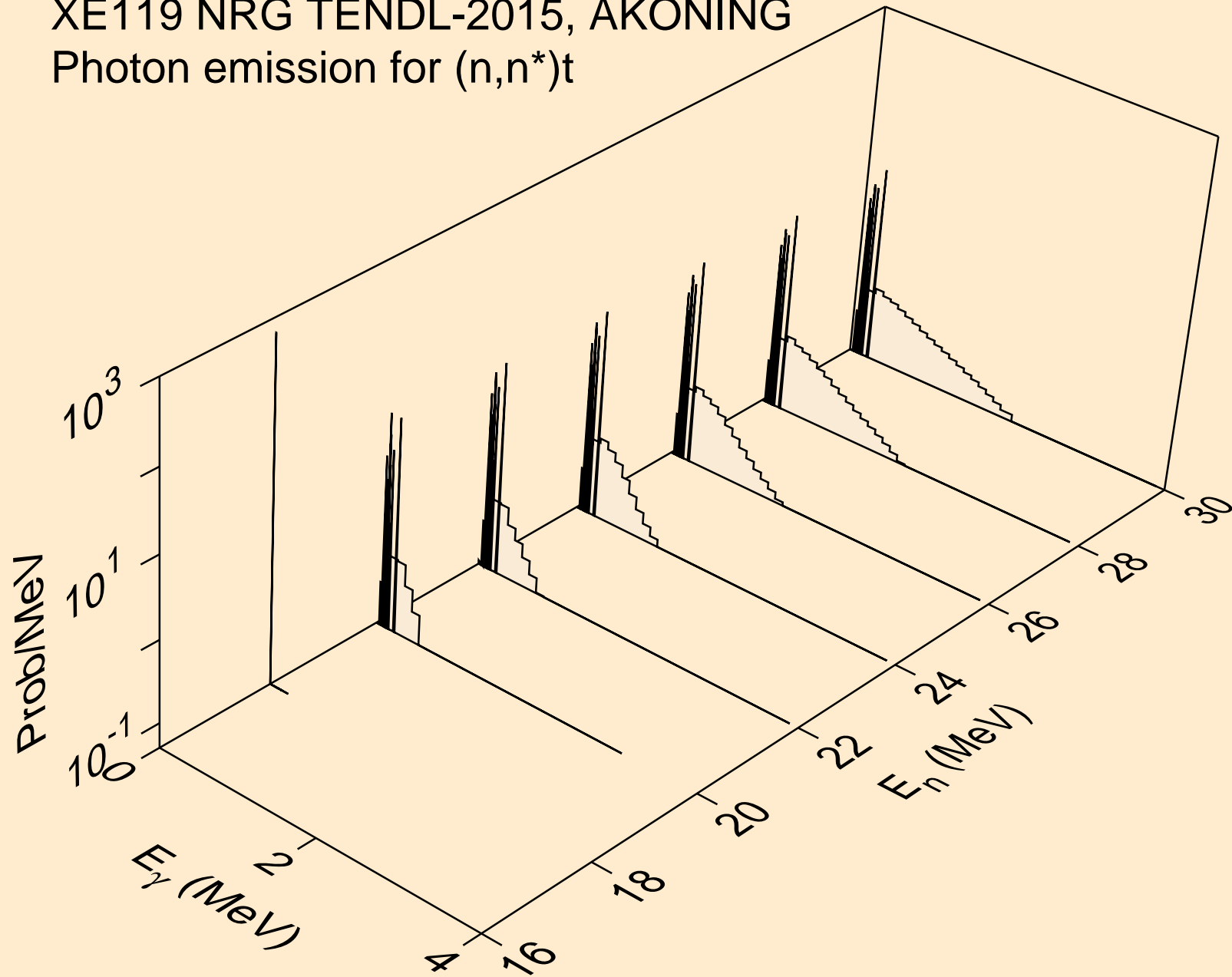
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

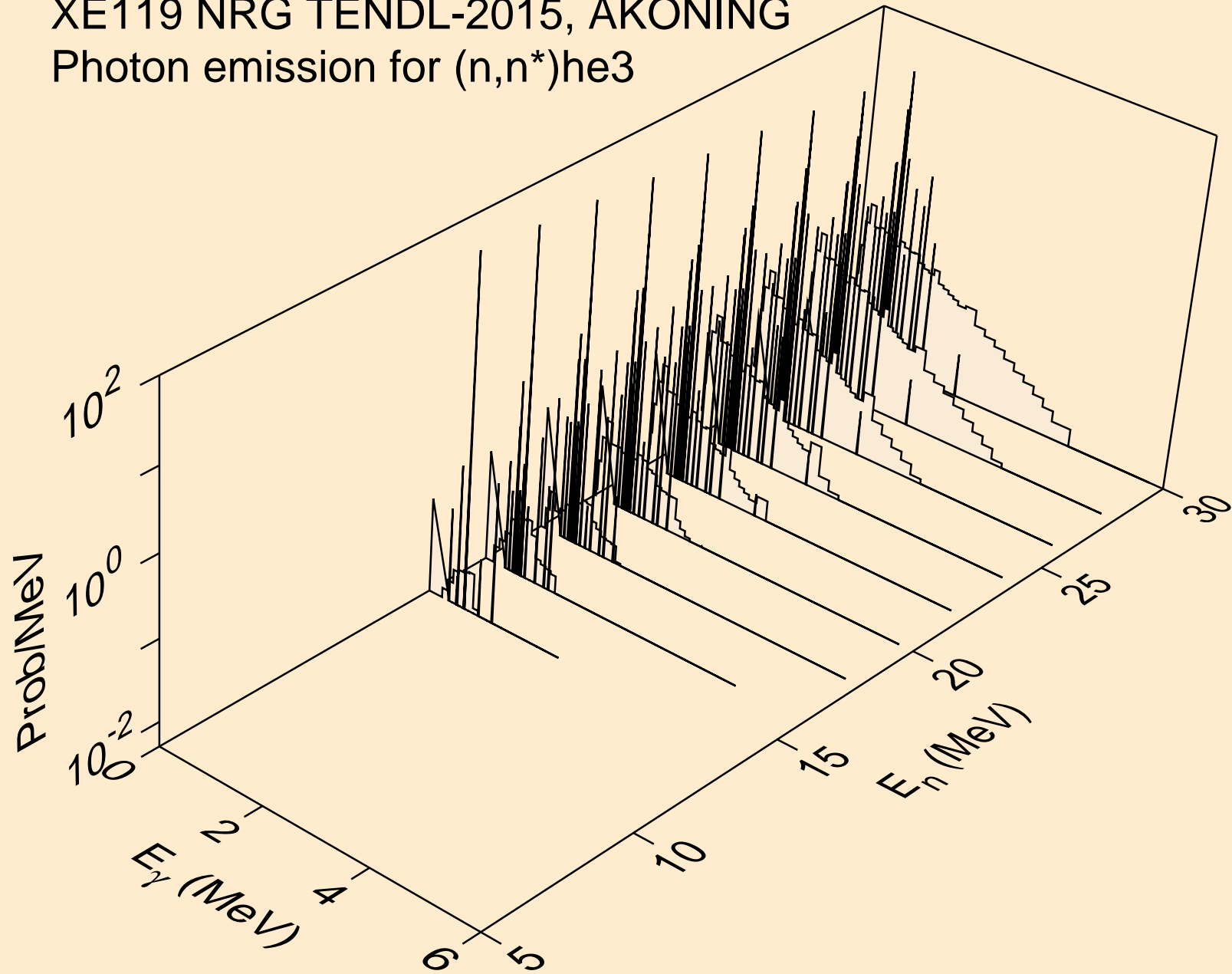


XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

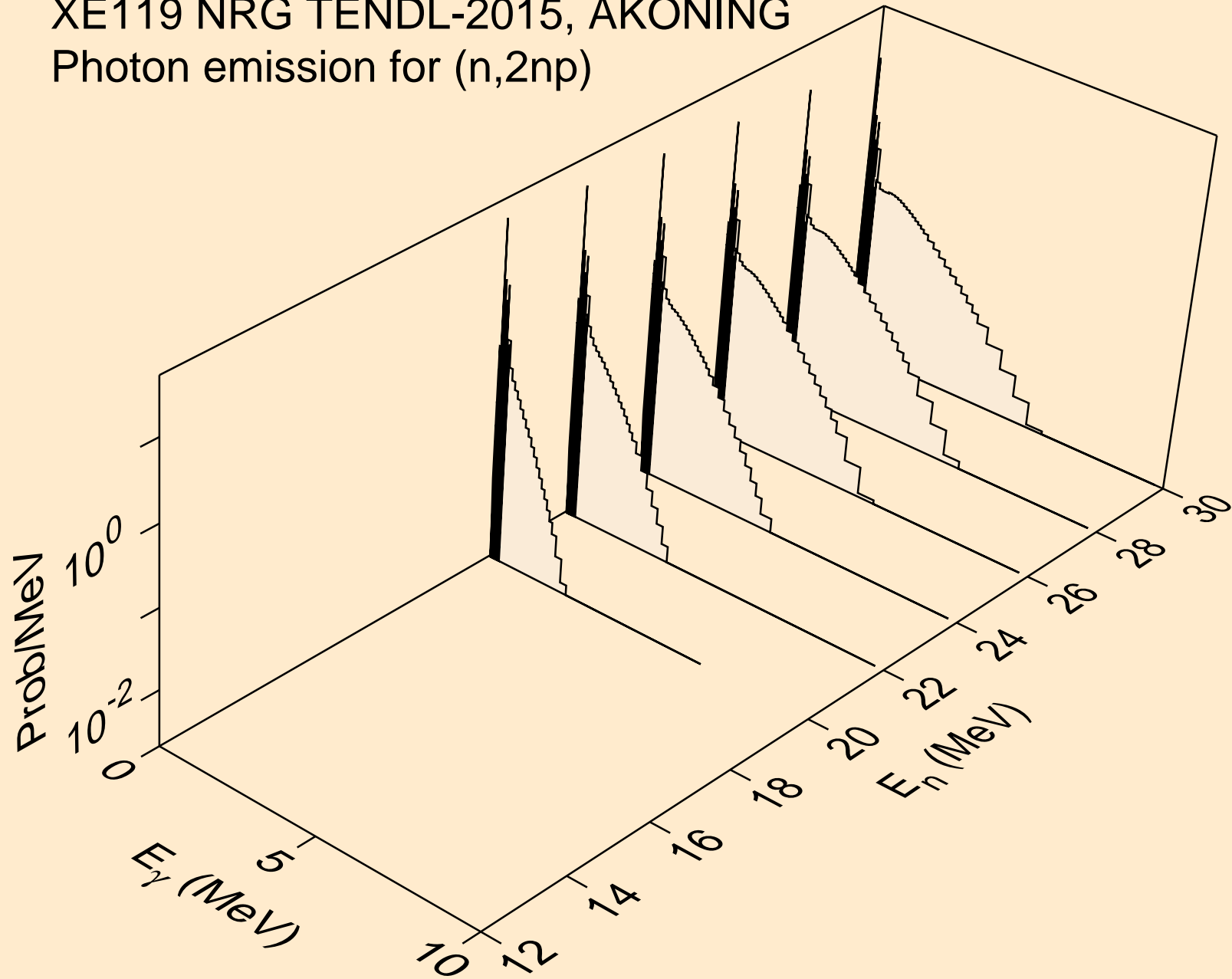




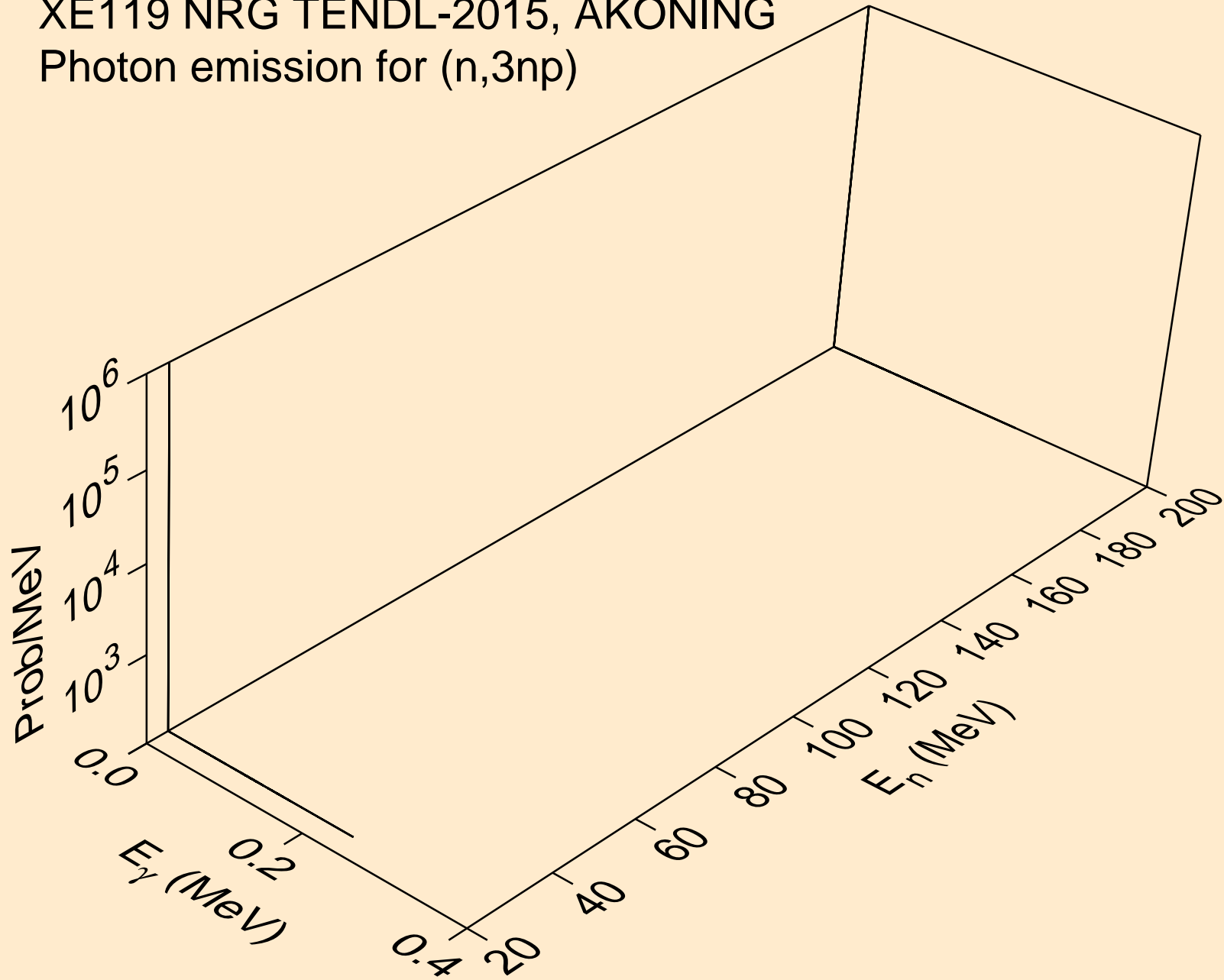
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



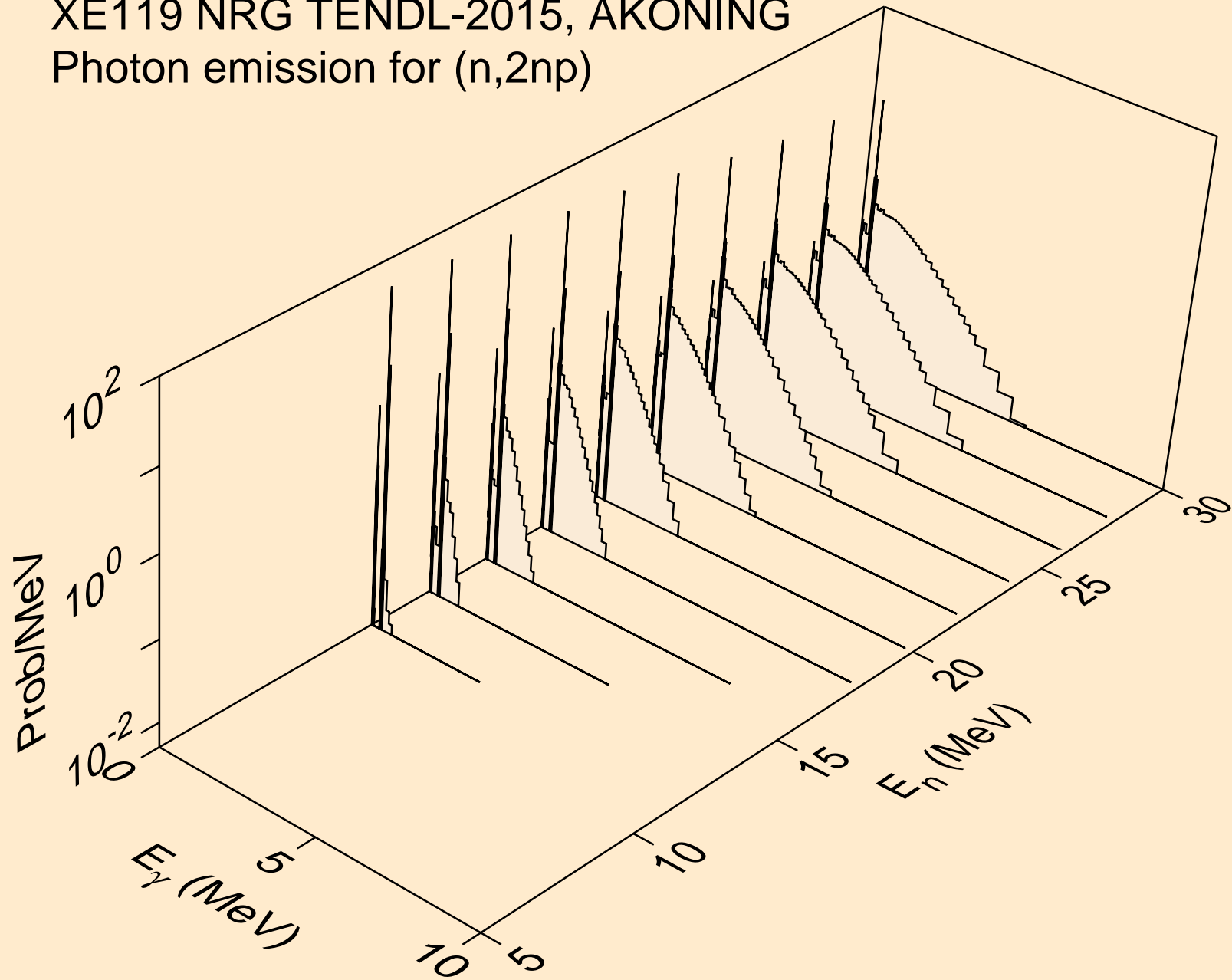
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



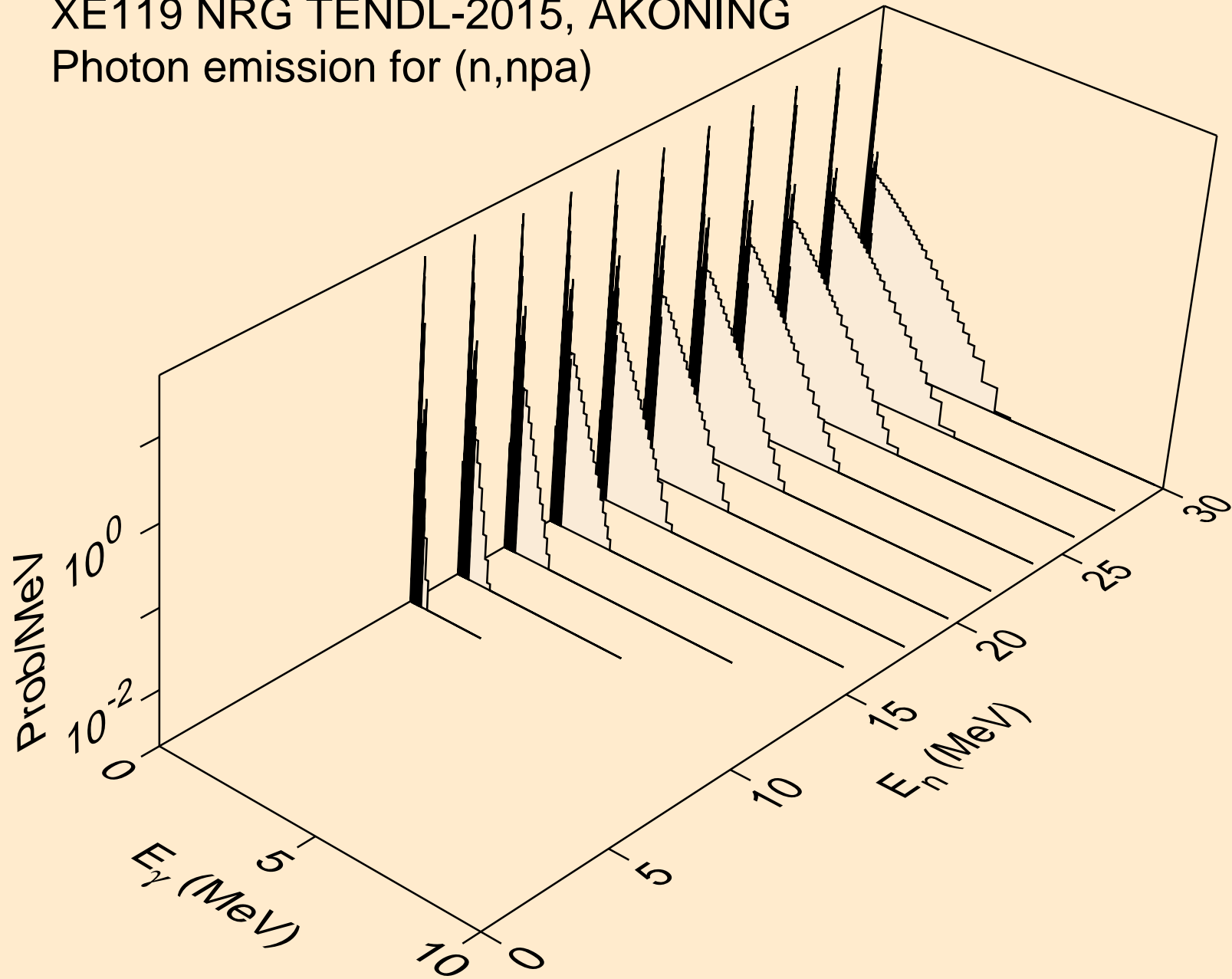
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



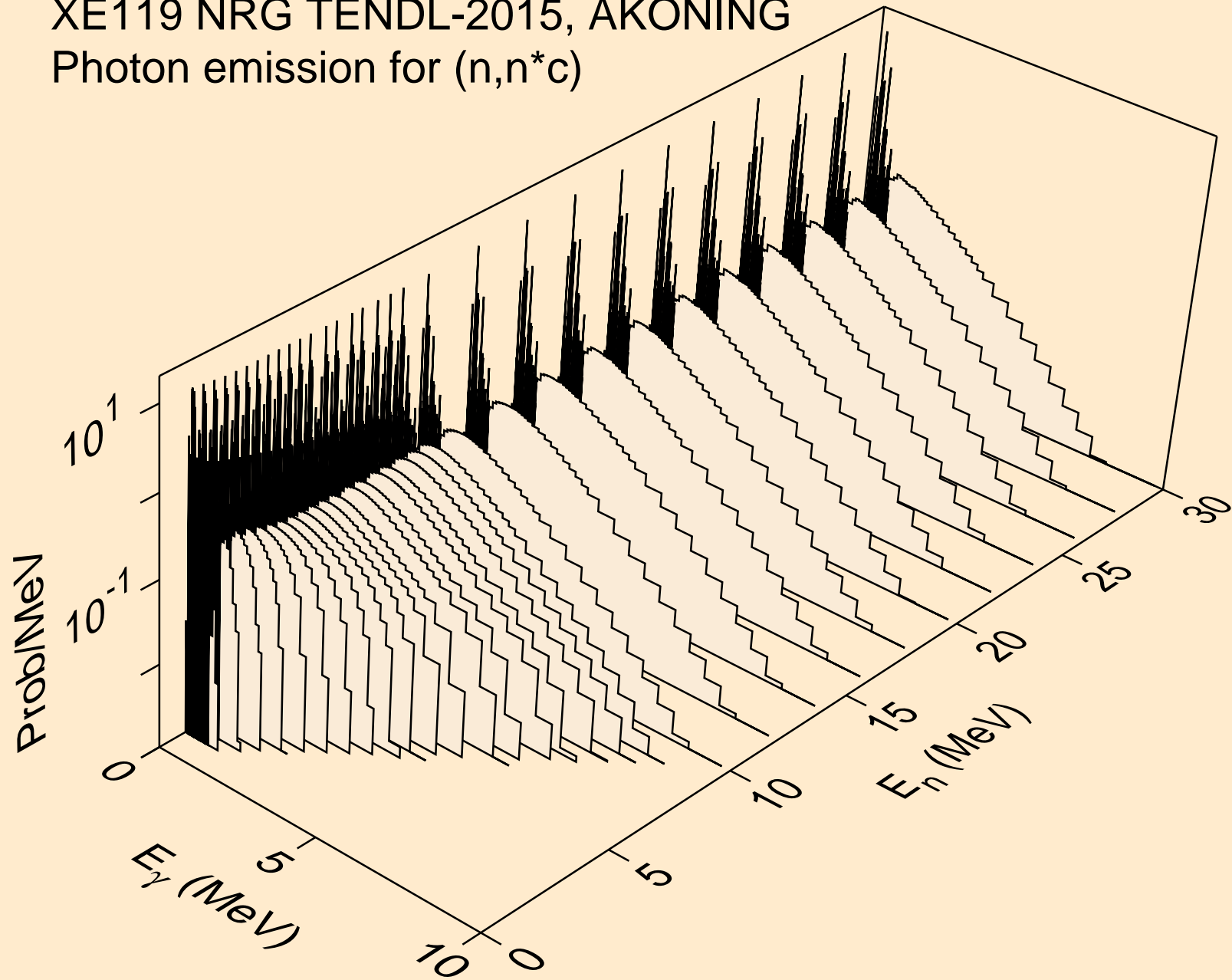
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



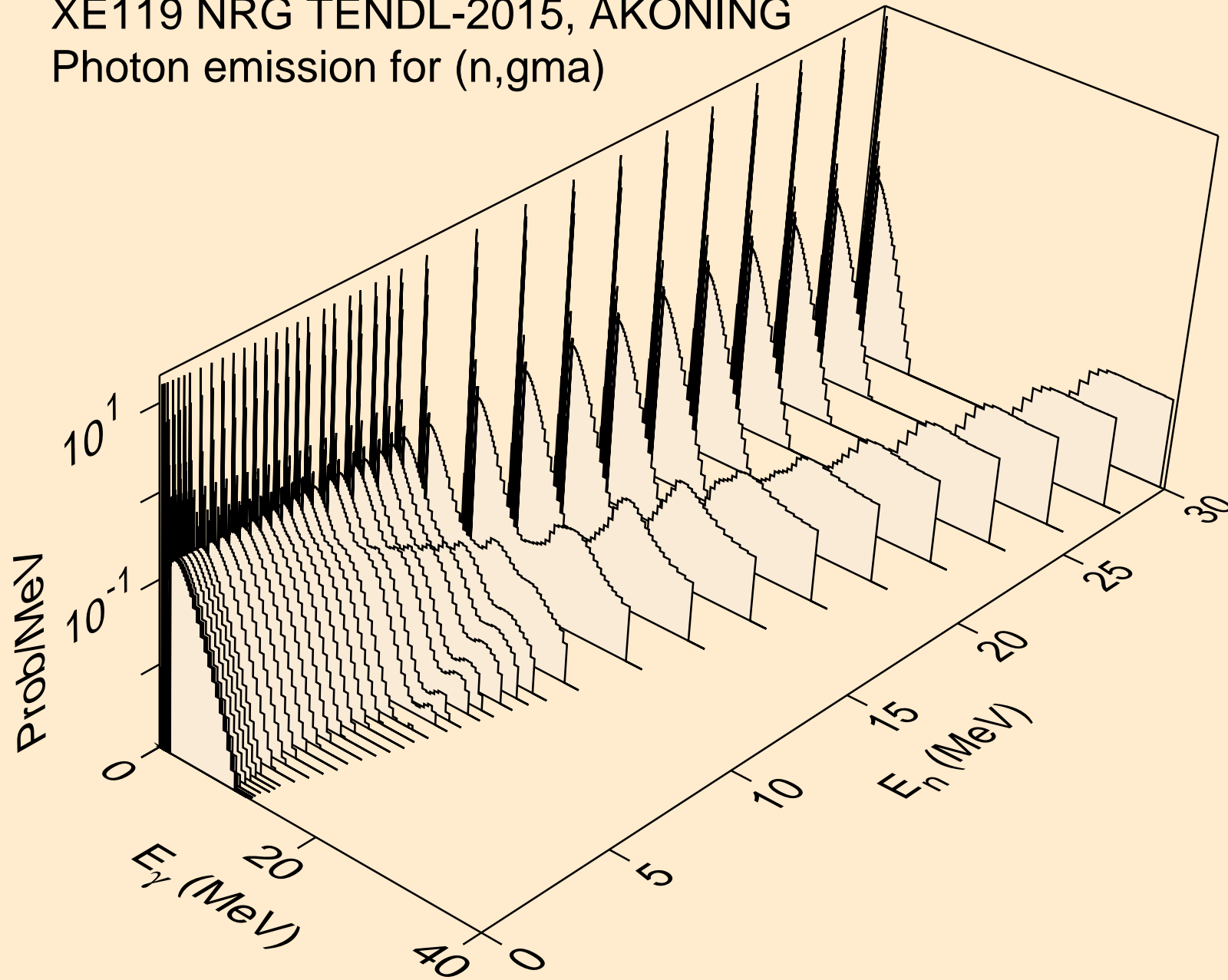
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



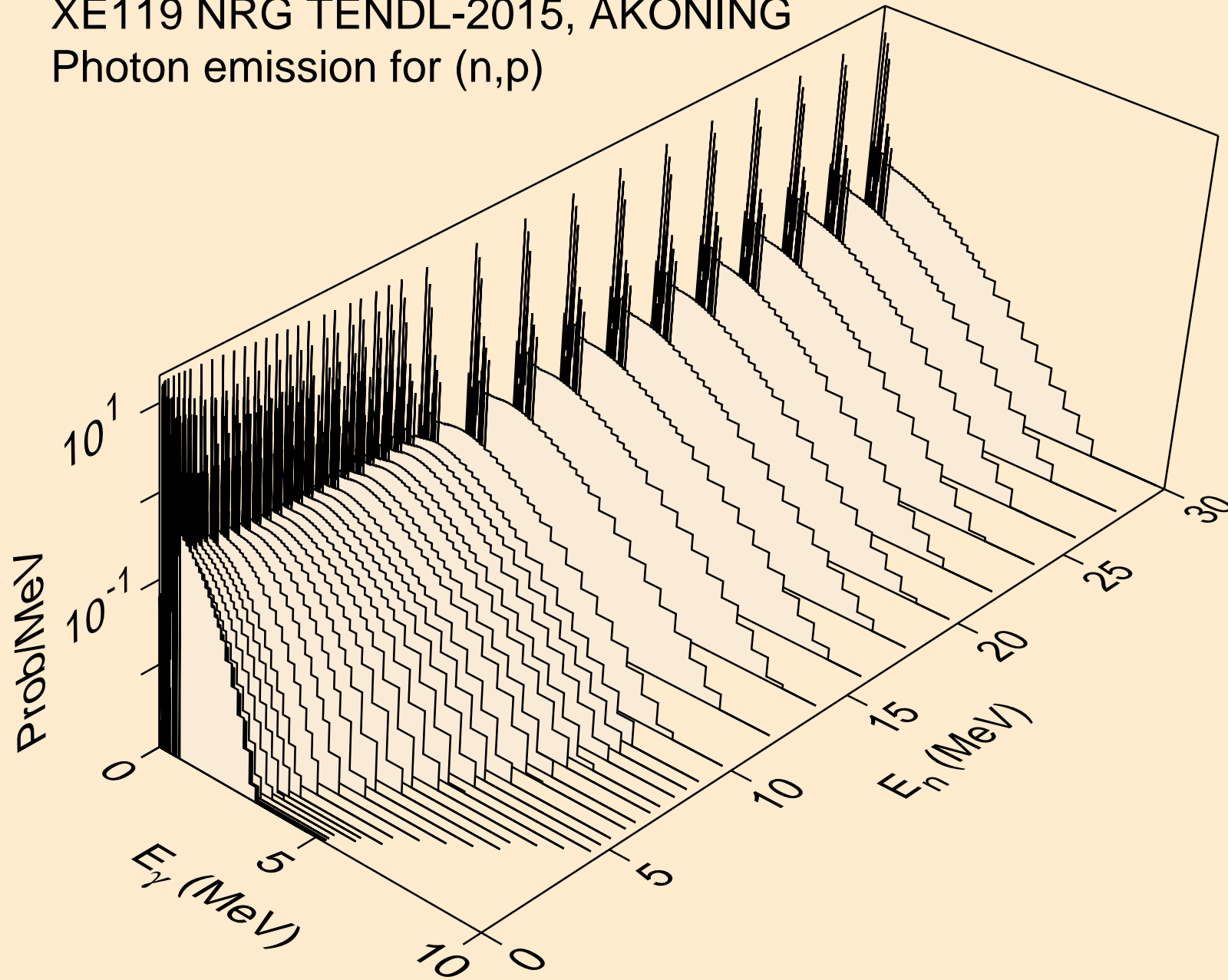
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

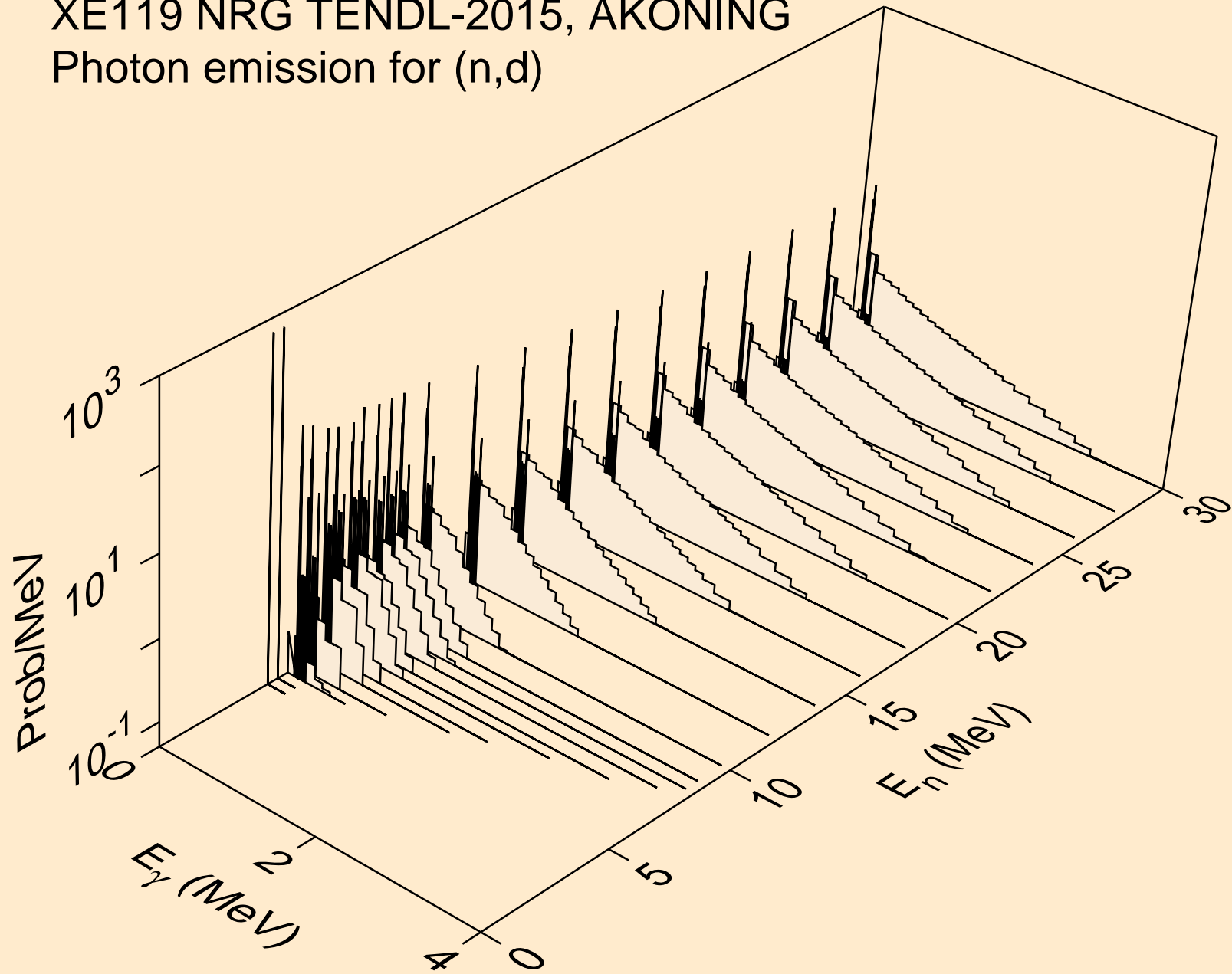


XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

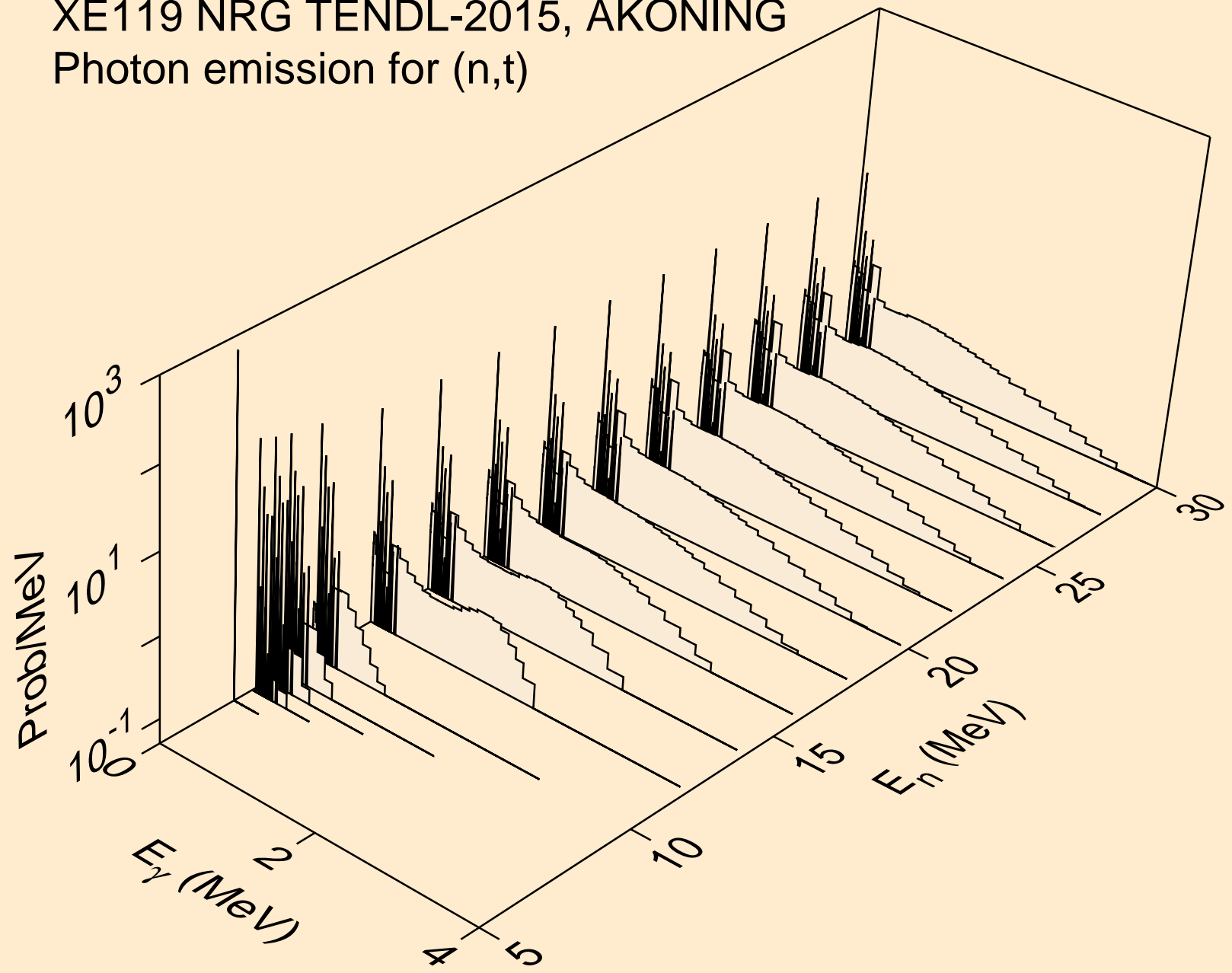




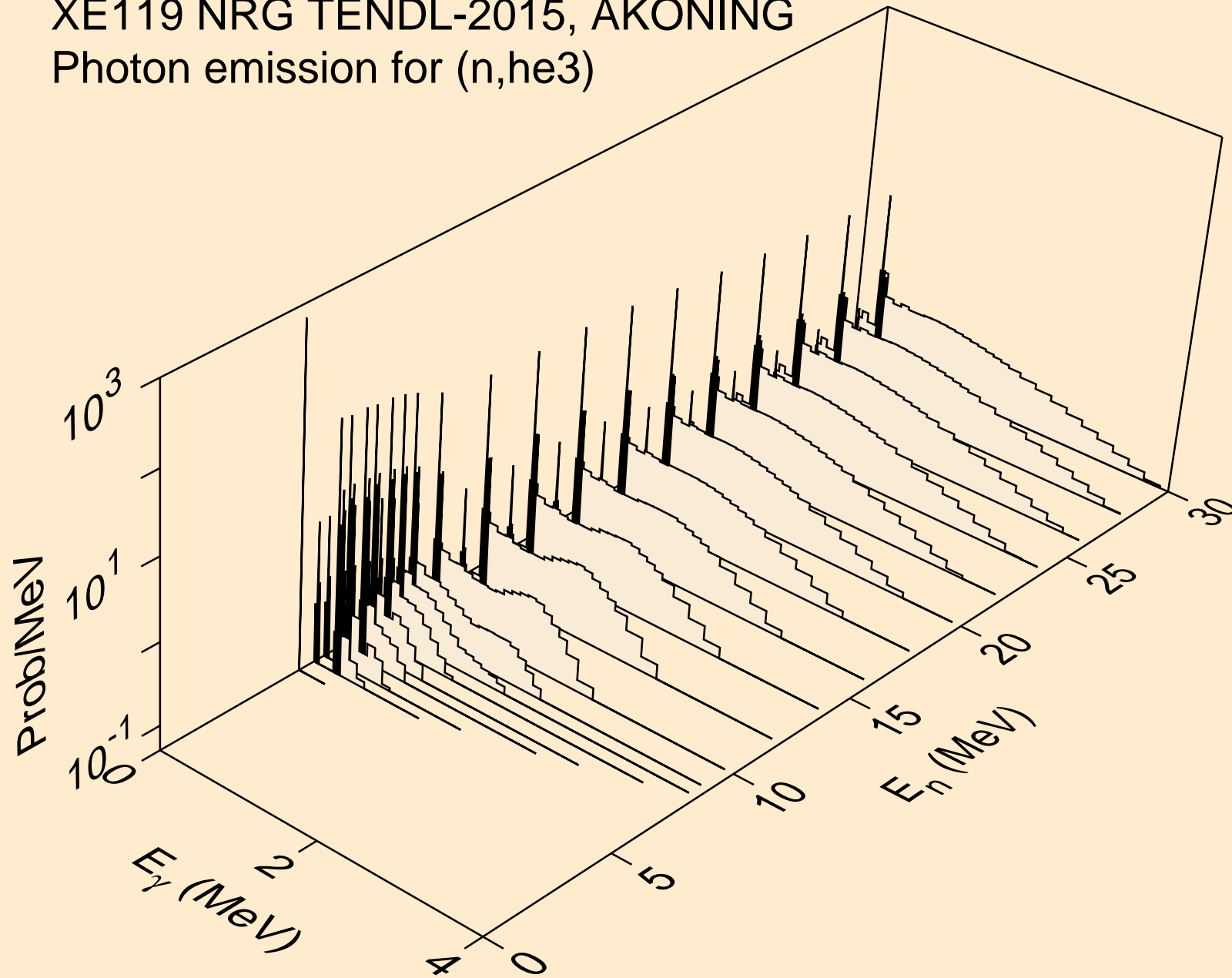
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



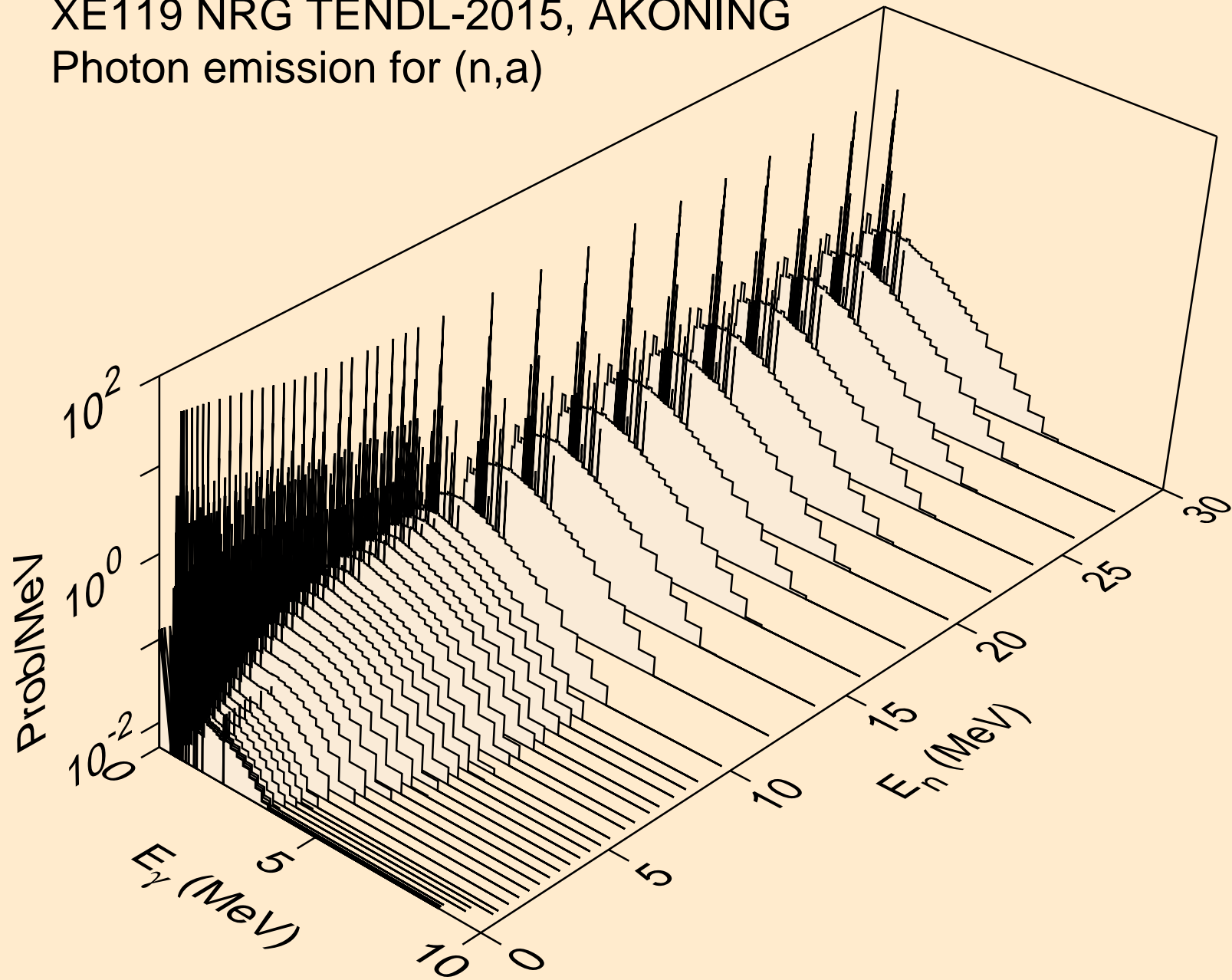
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



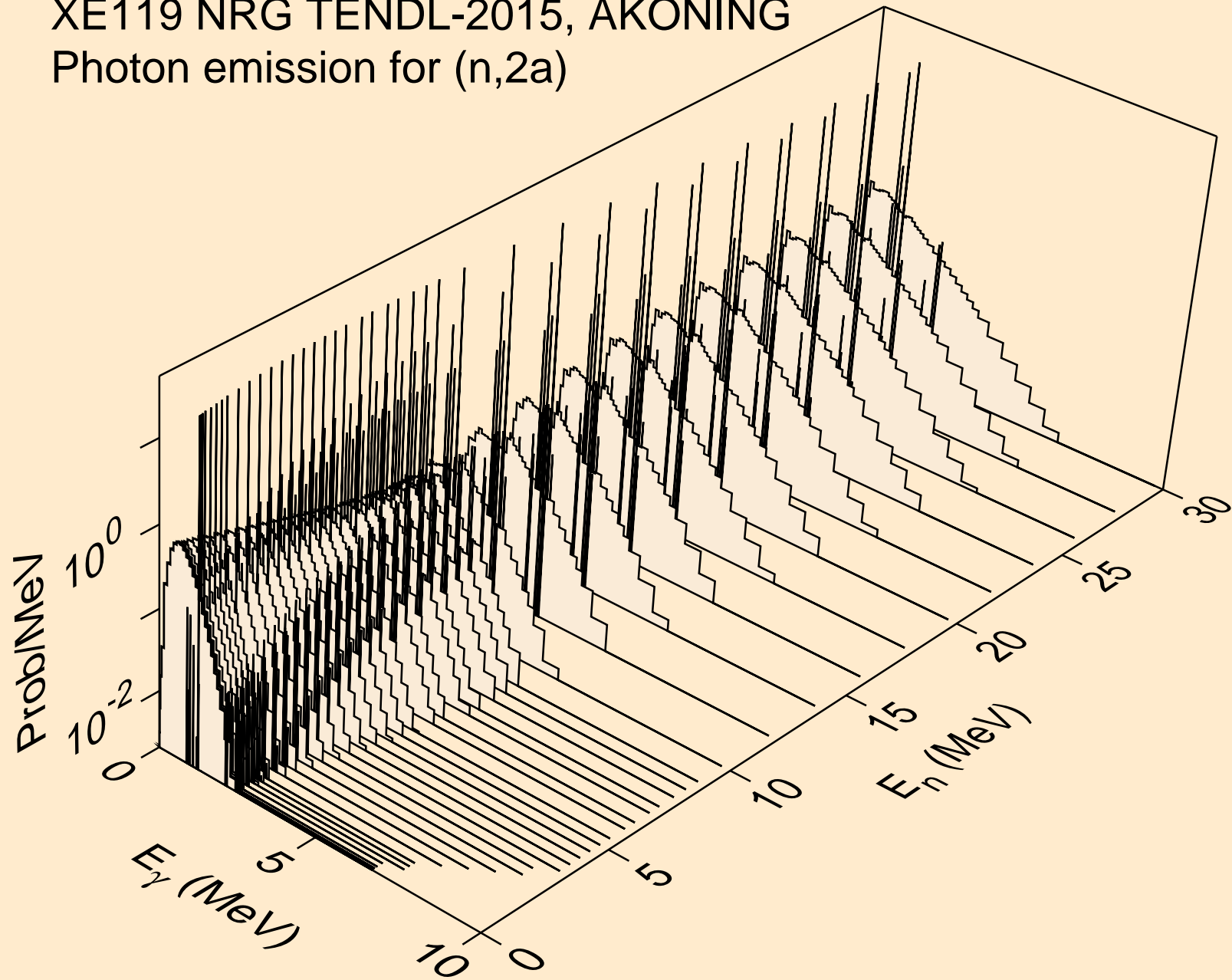
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



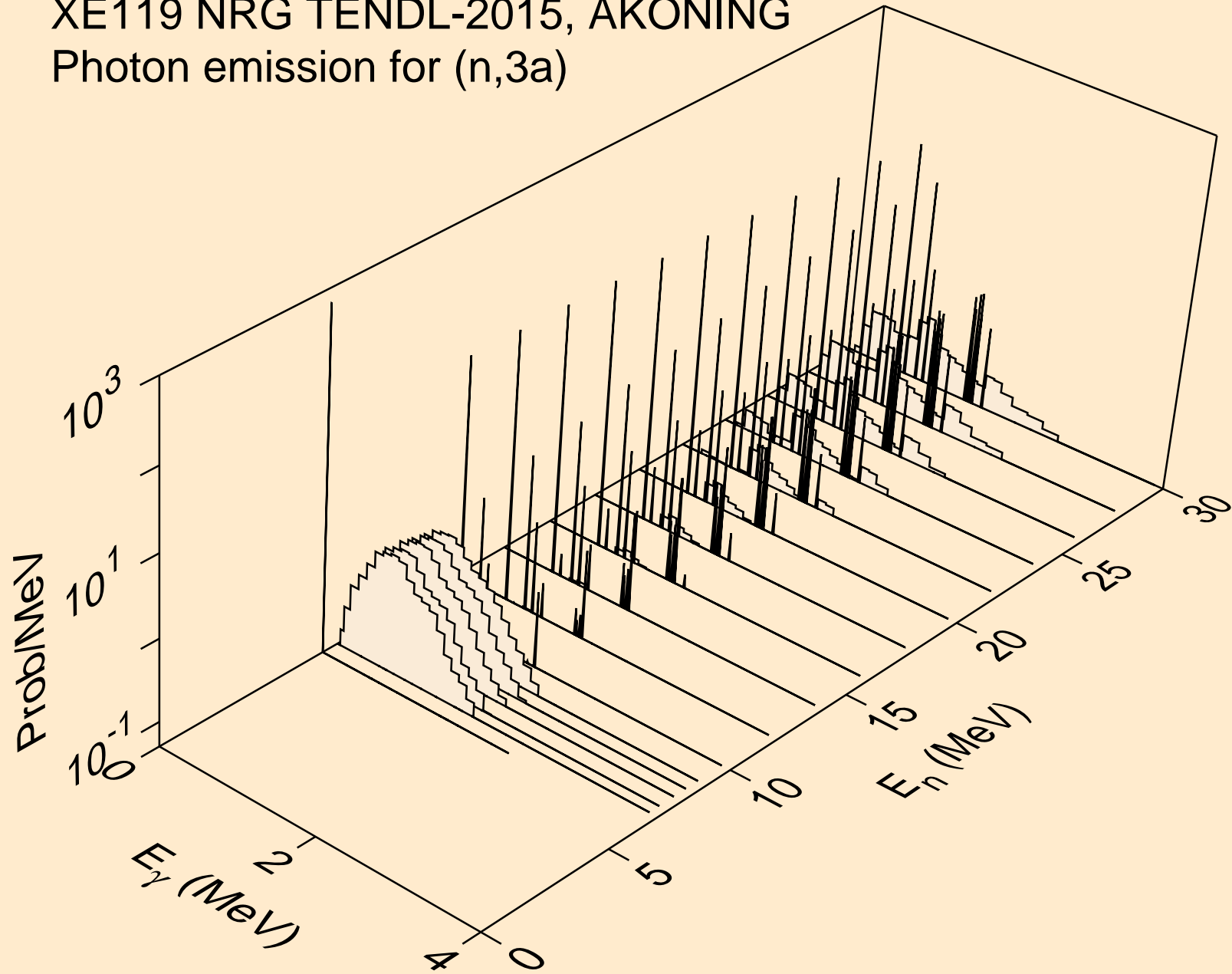
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



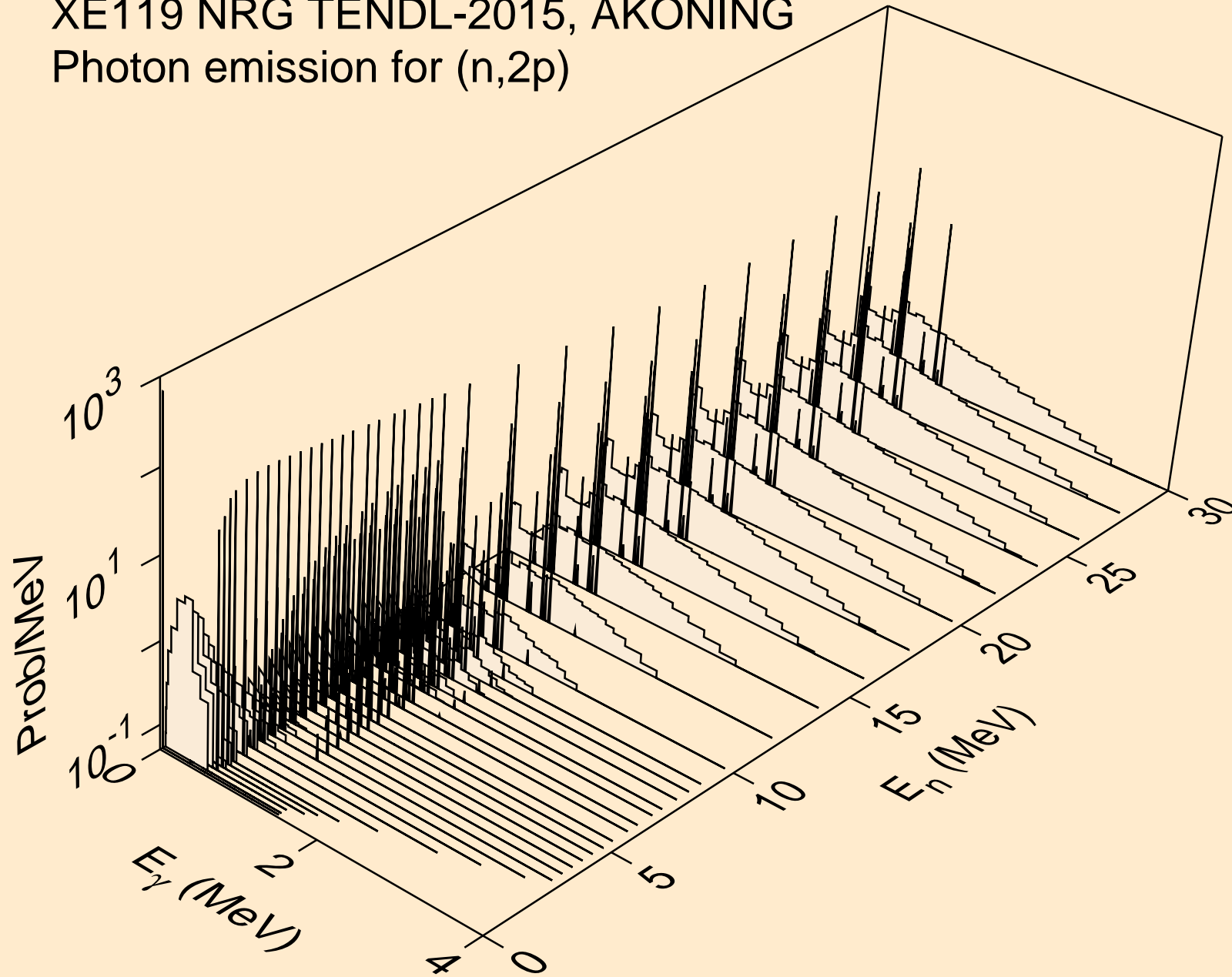
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



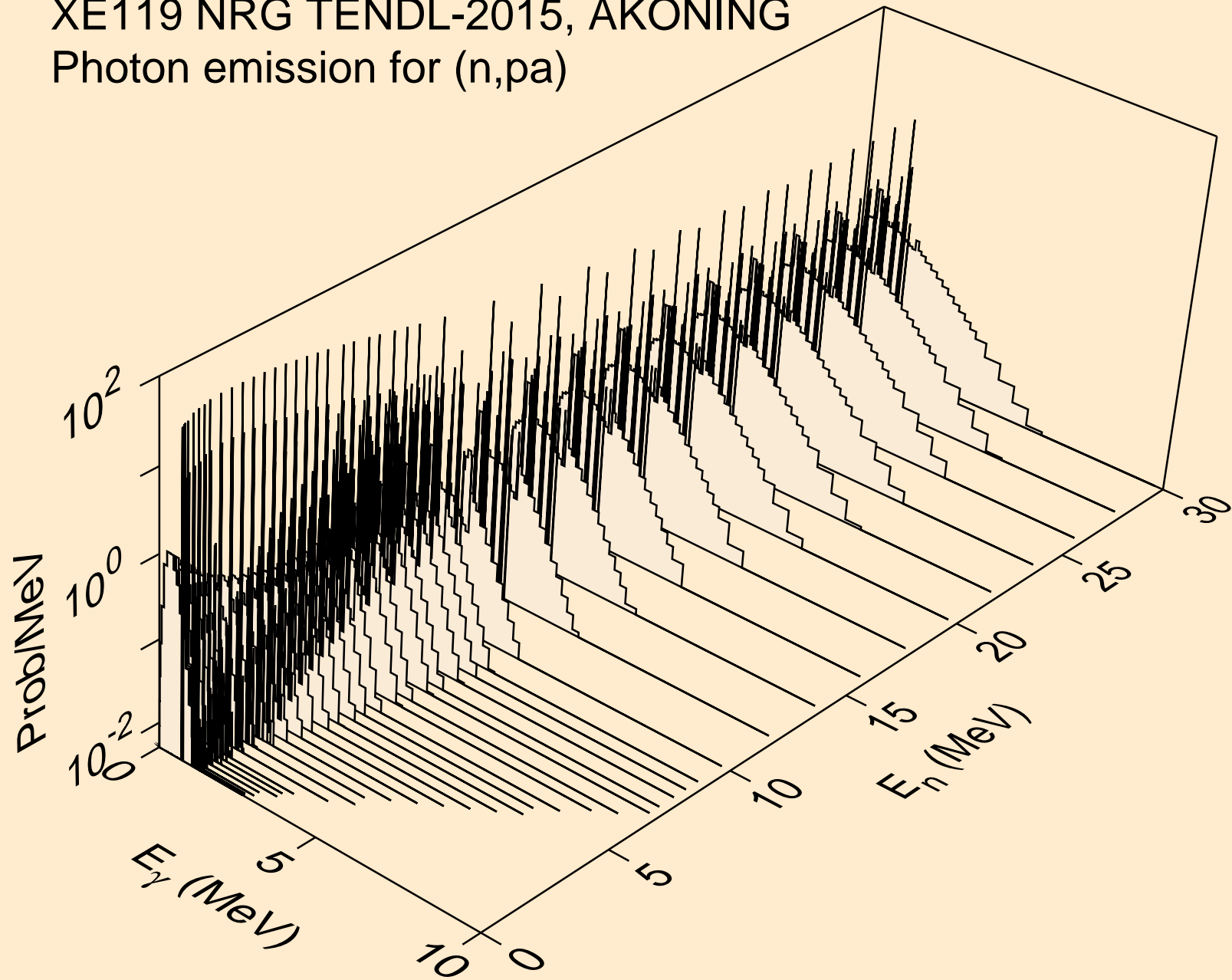
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

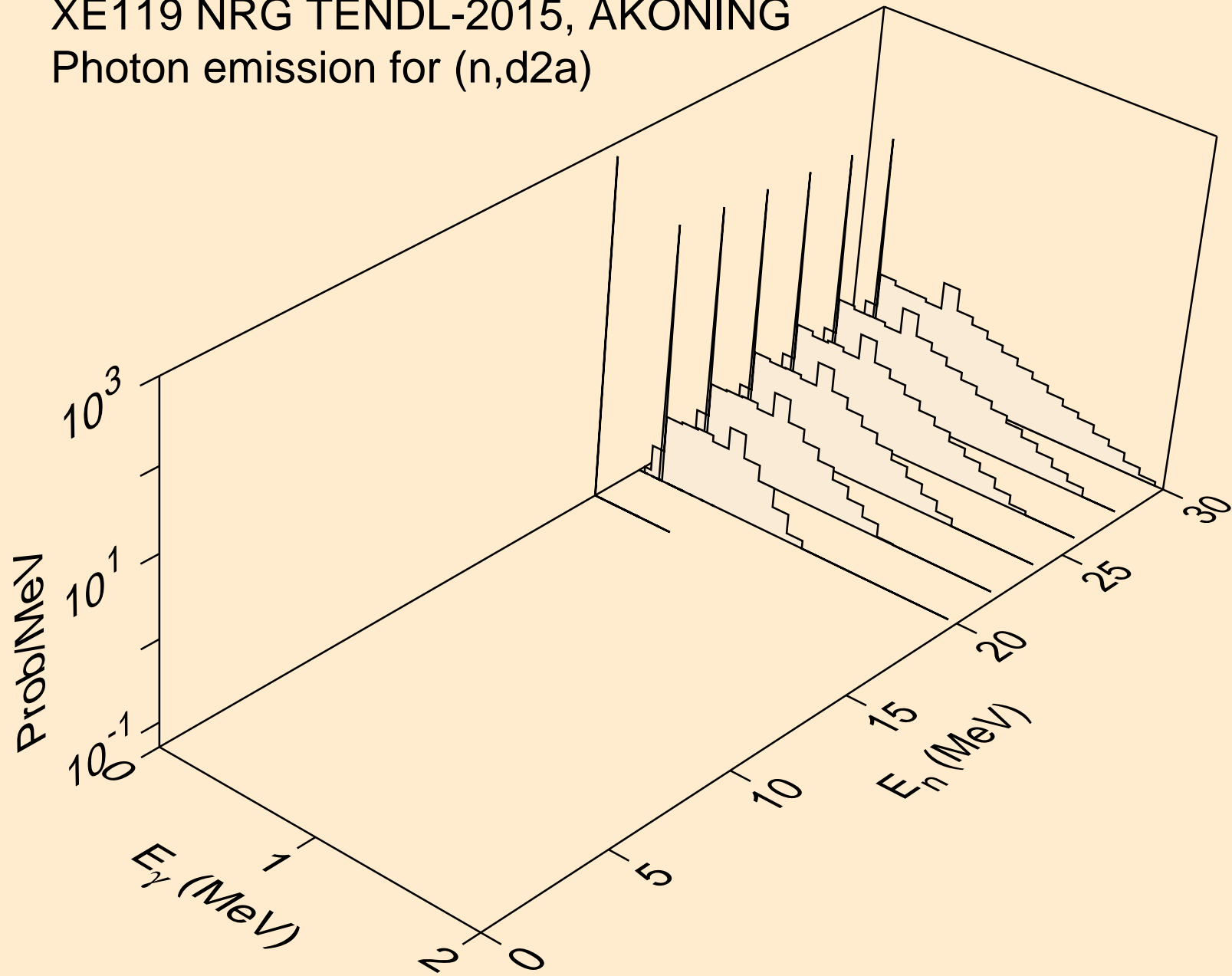


XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

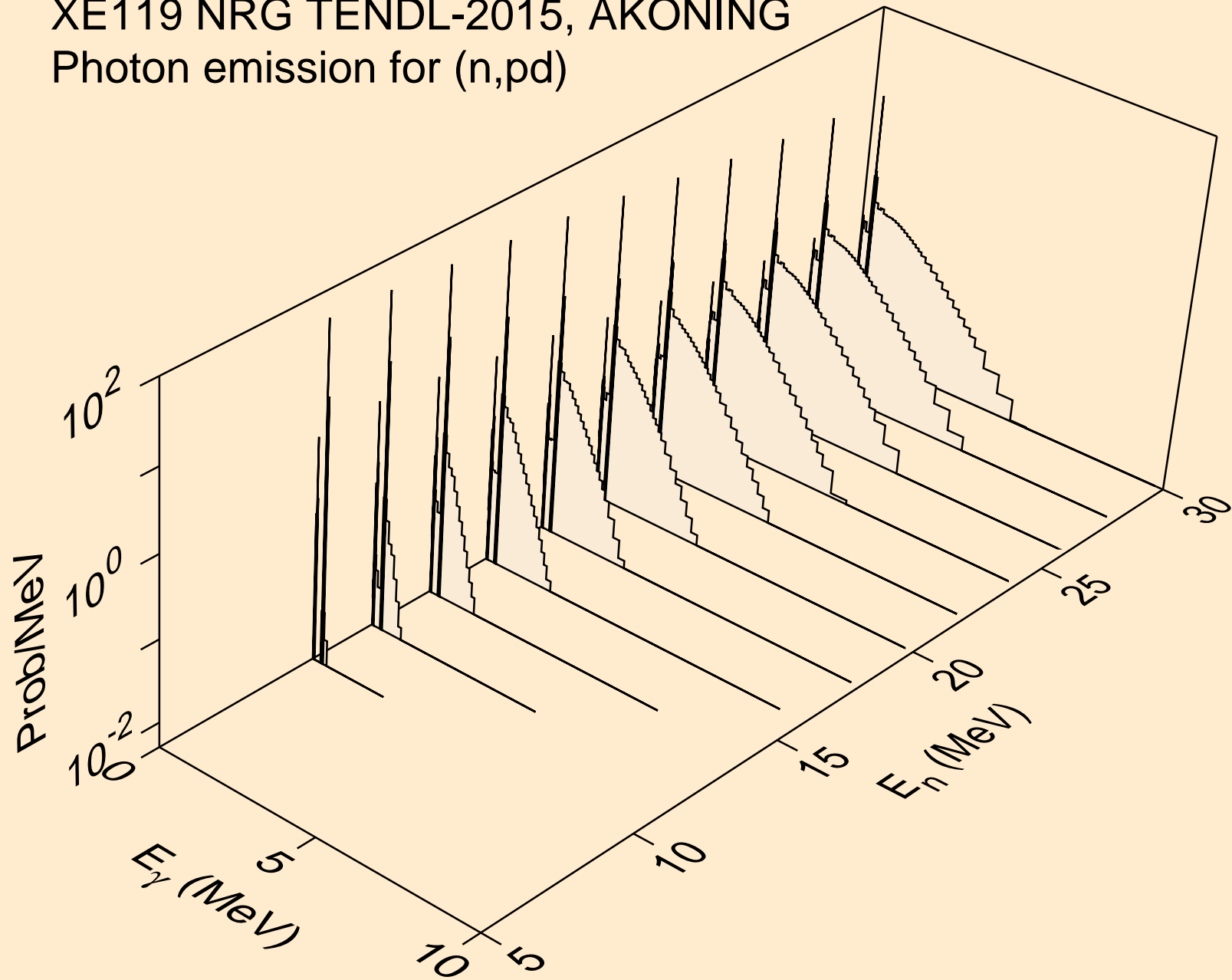




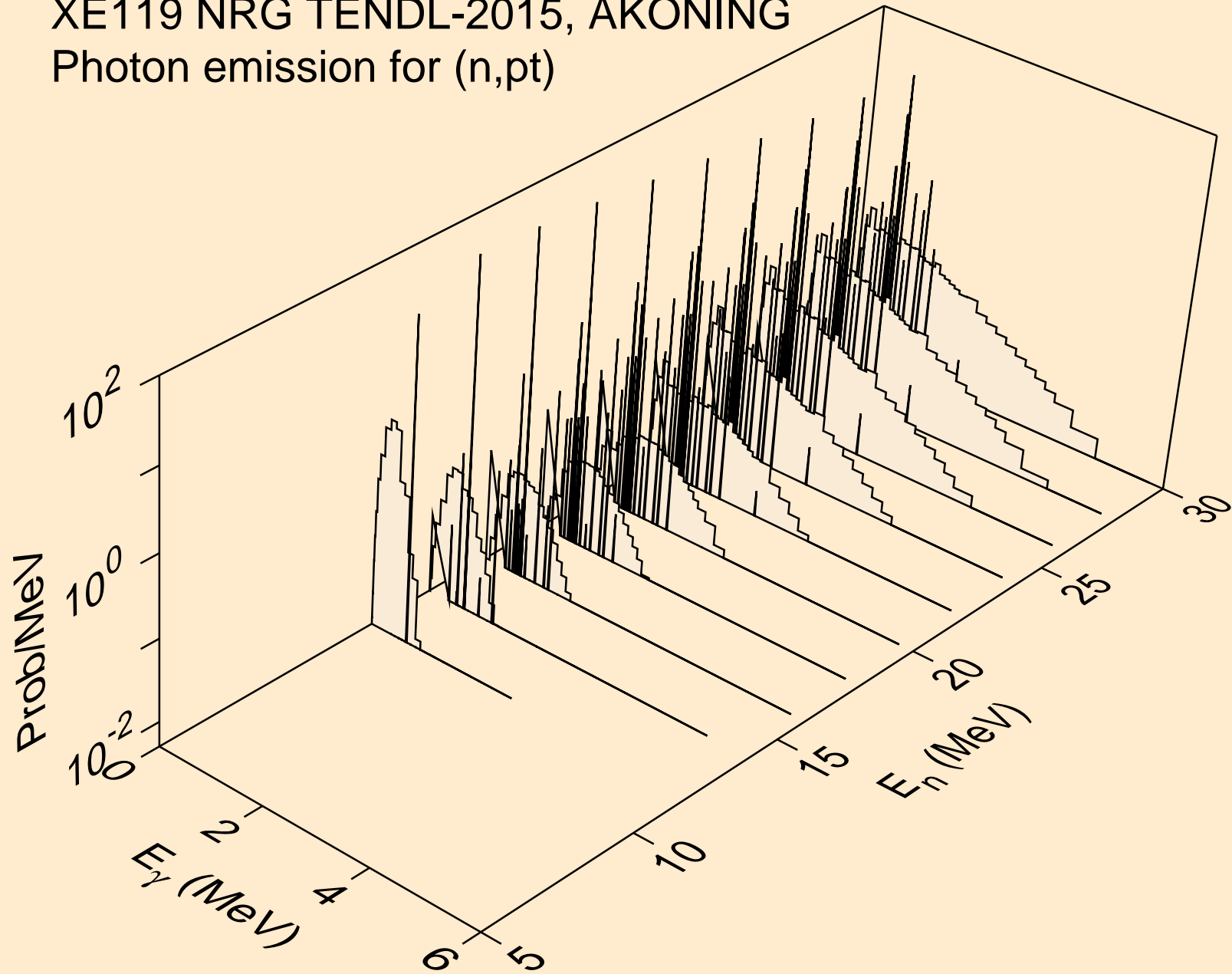
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



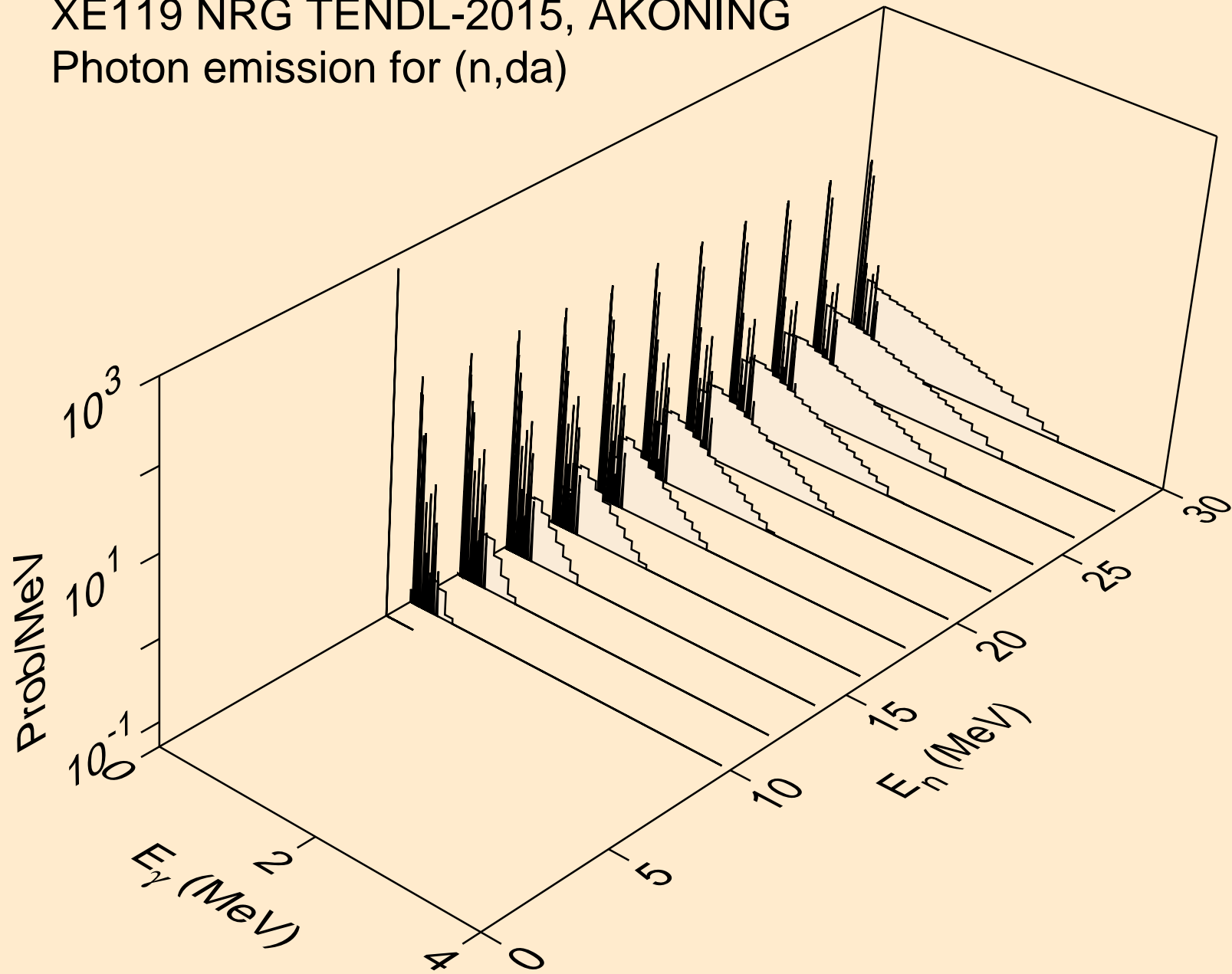
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



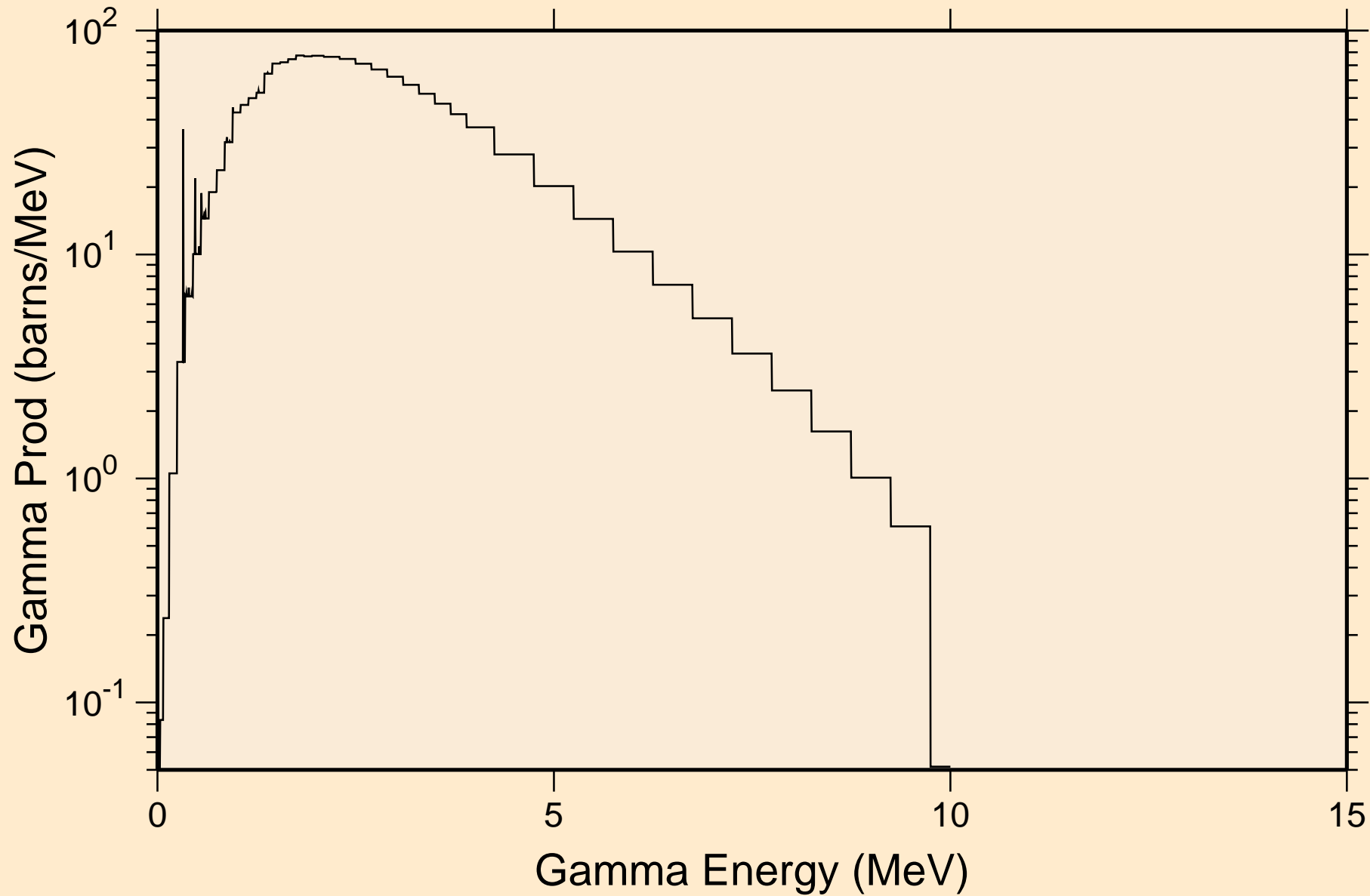
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



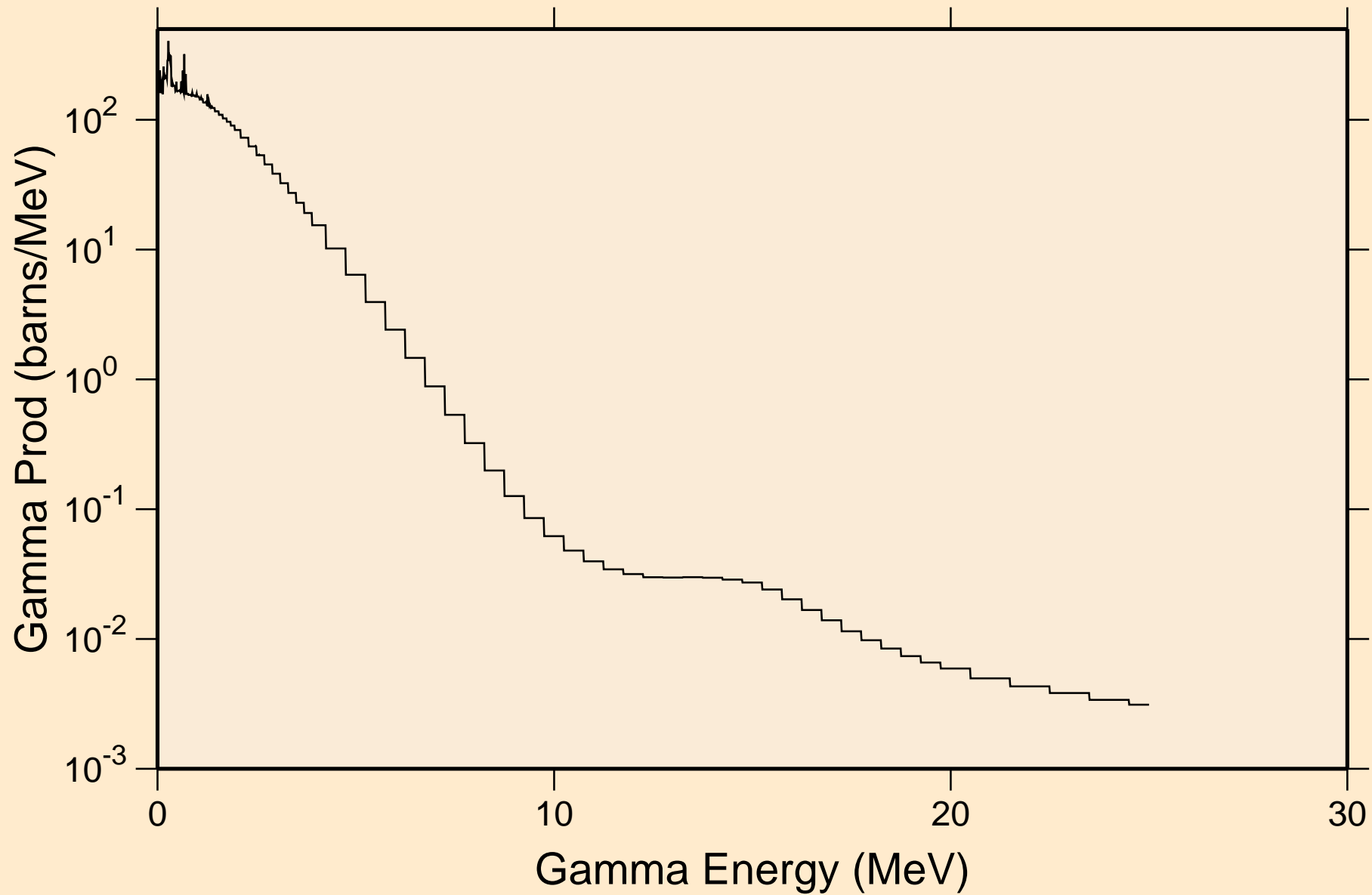
XE119 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



XE119 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

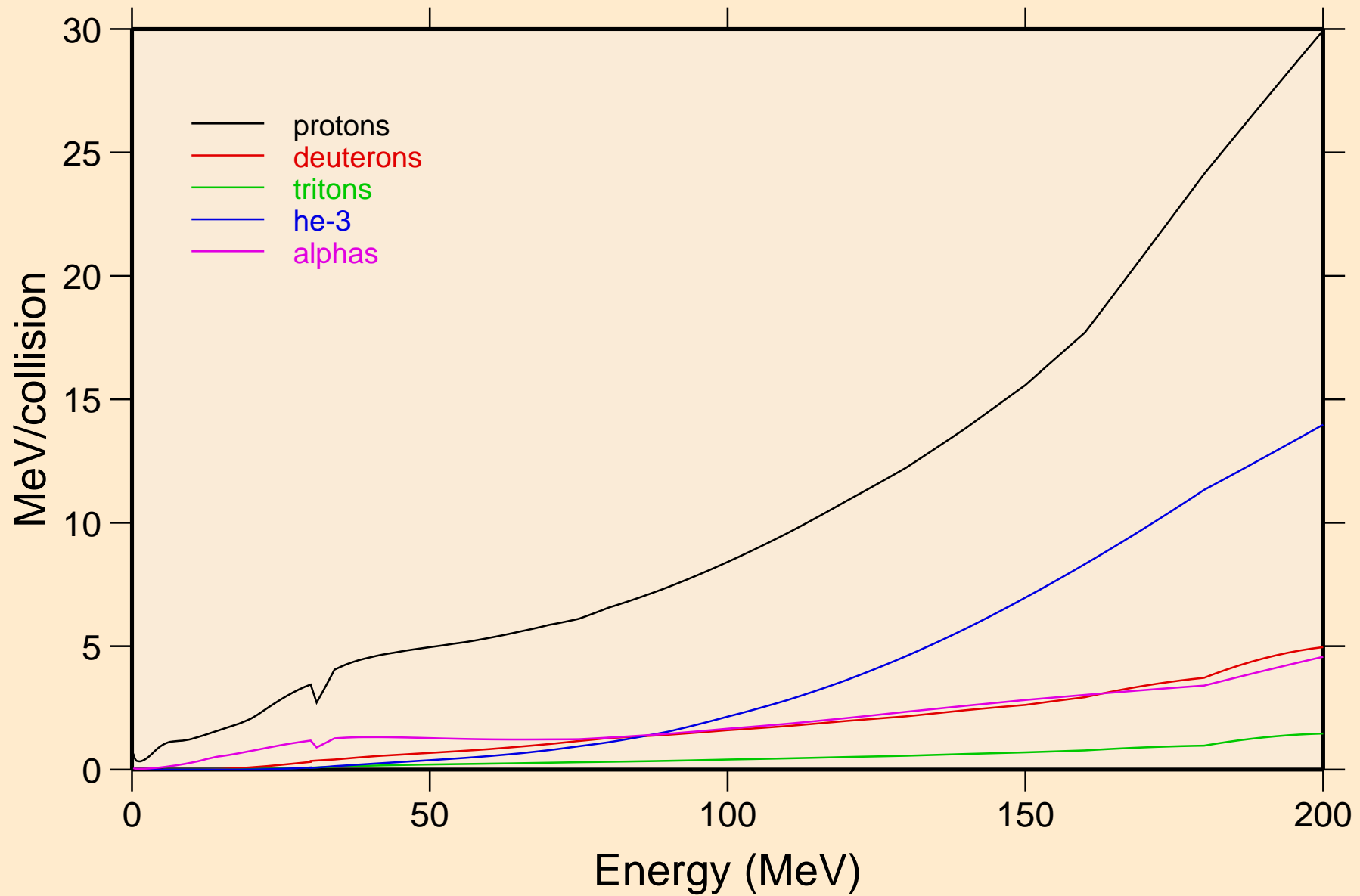


XE119 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



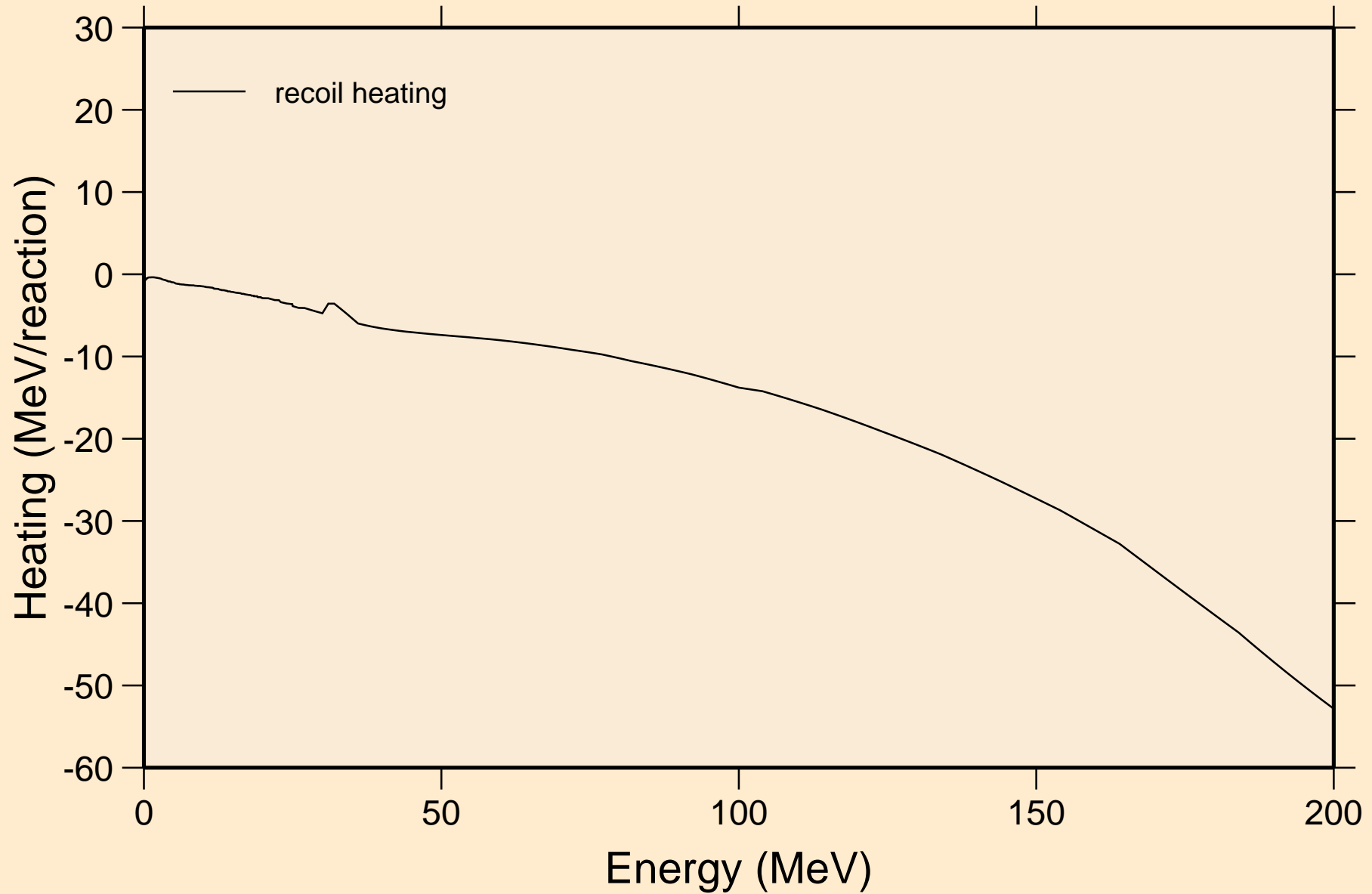
# XE119 NRG TENDL-2015, AKONING

## Particle heating contributions



# XE119 NRG TENDL-2015, AKONING

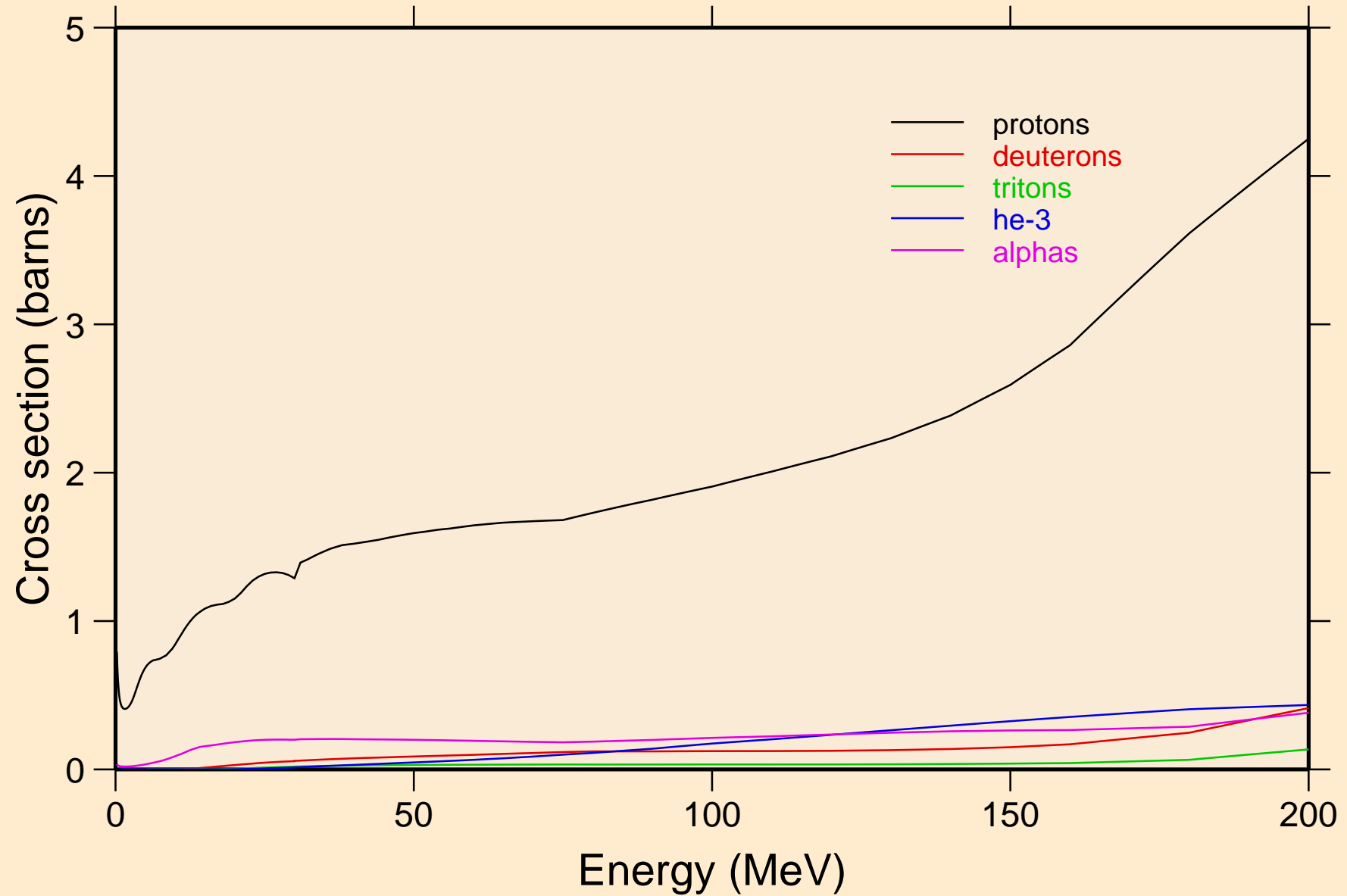
## Recoil Heating



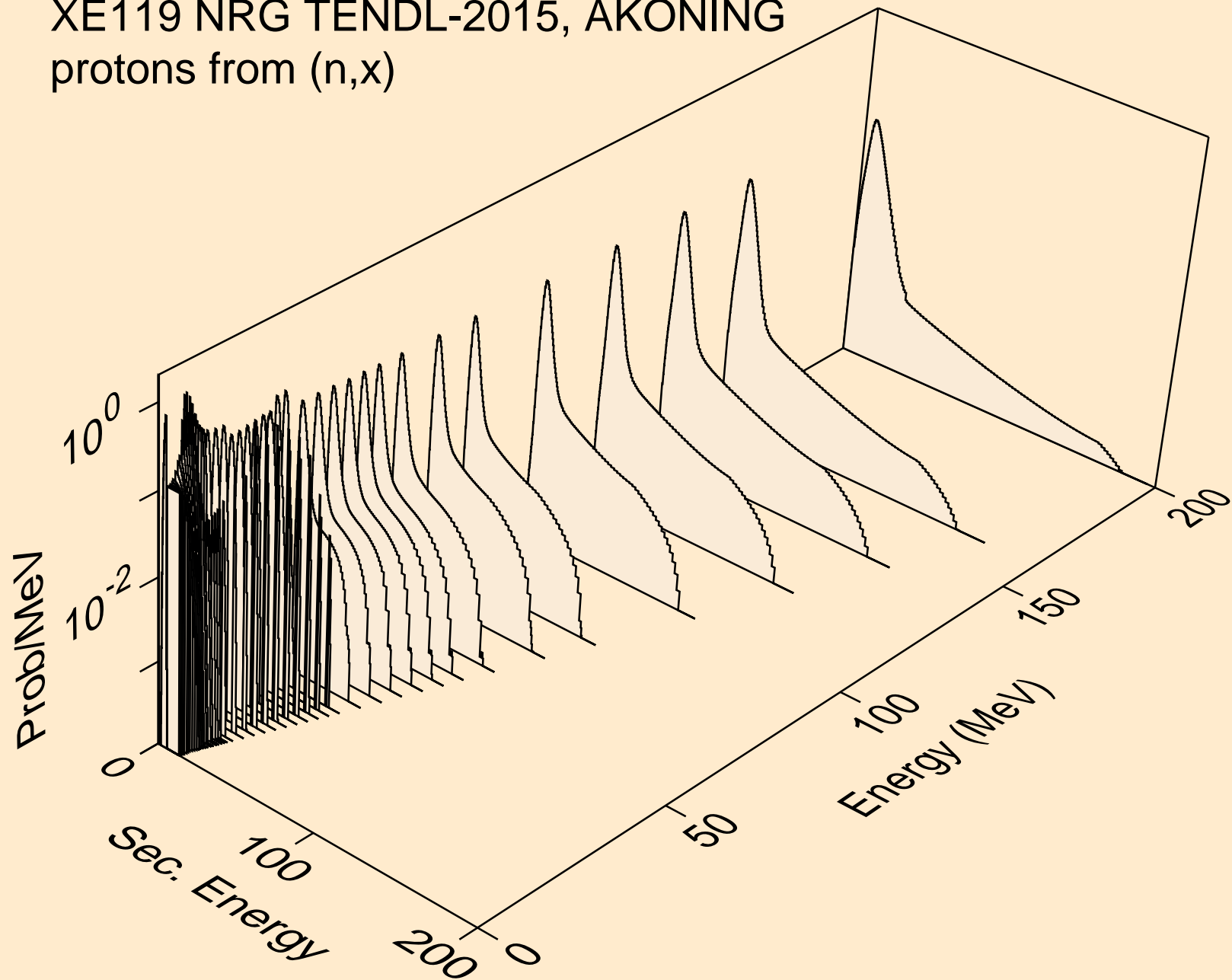


# XE119 NRG TENDL-2015, AKONING

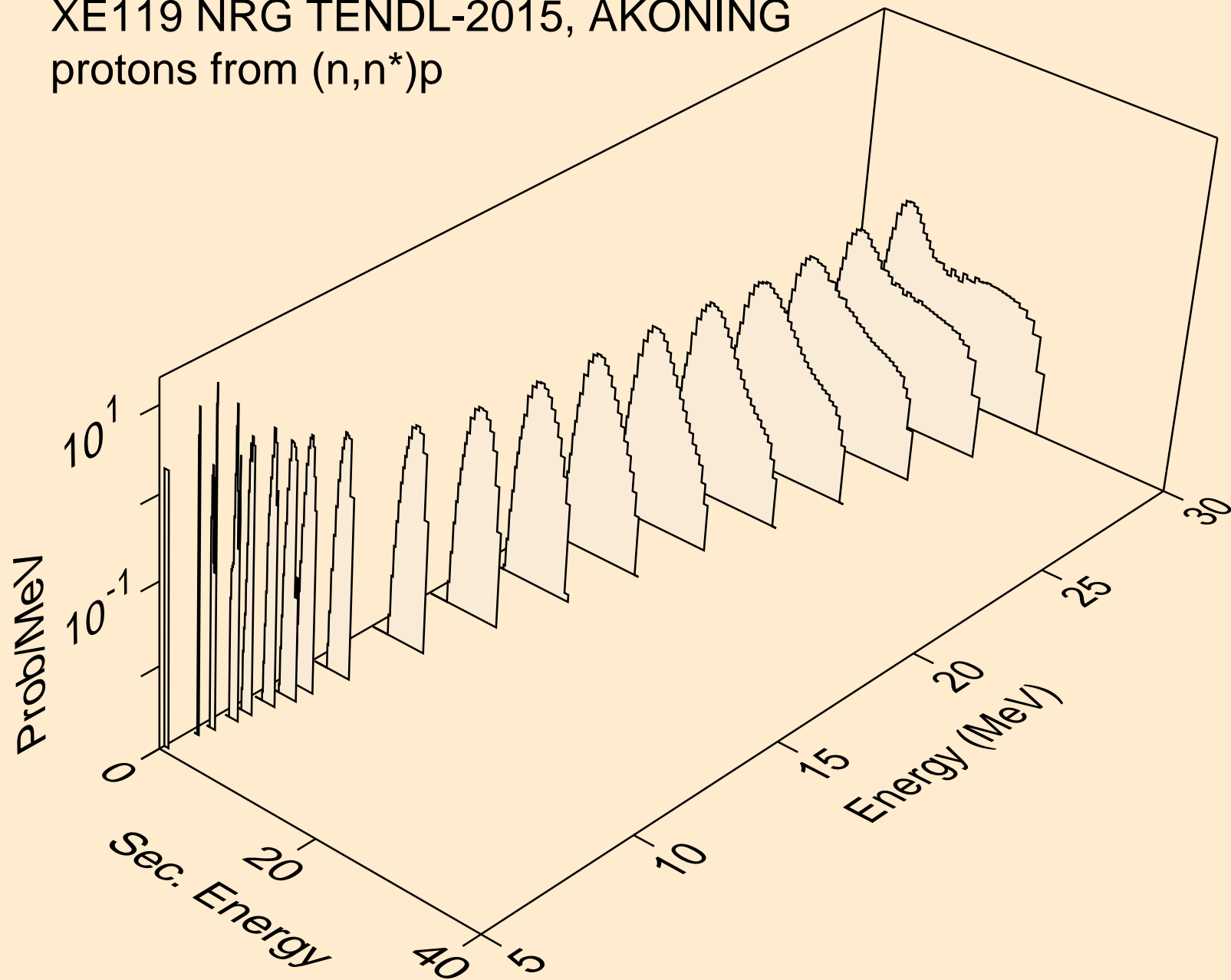
## Particle production cross sections



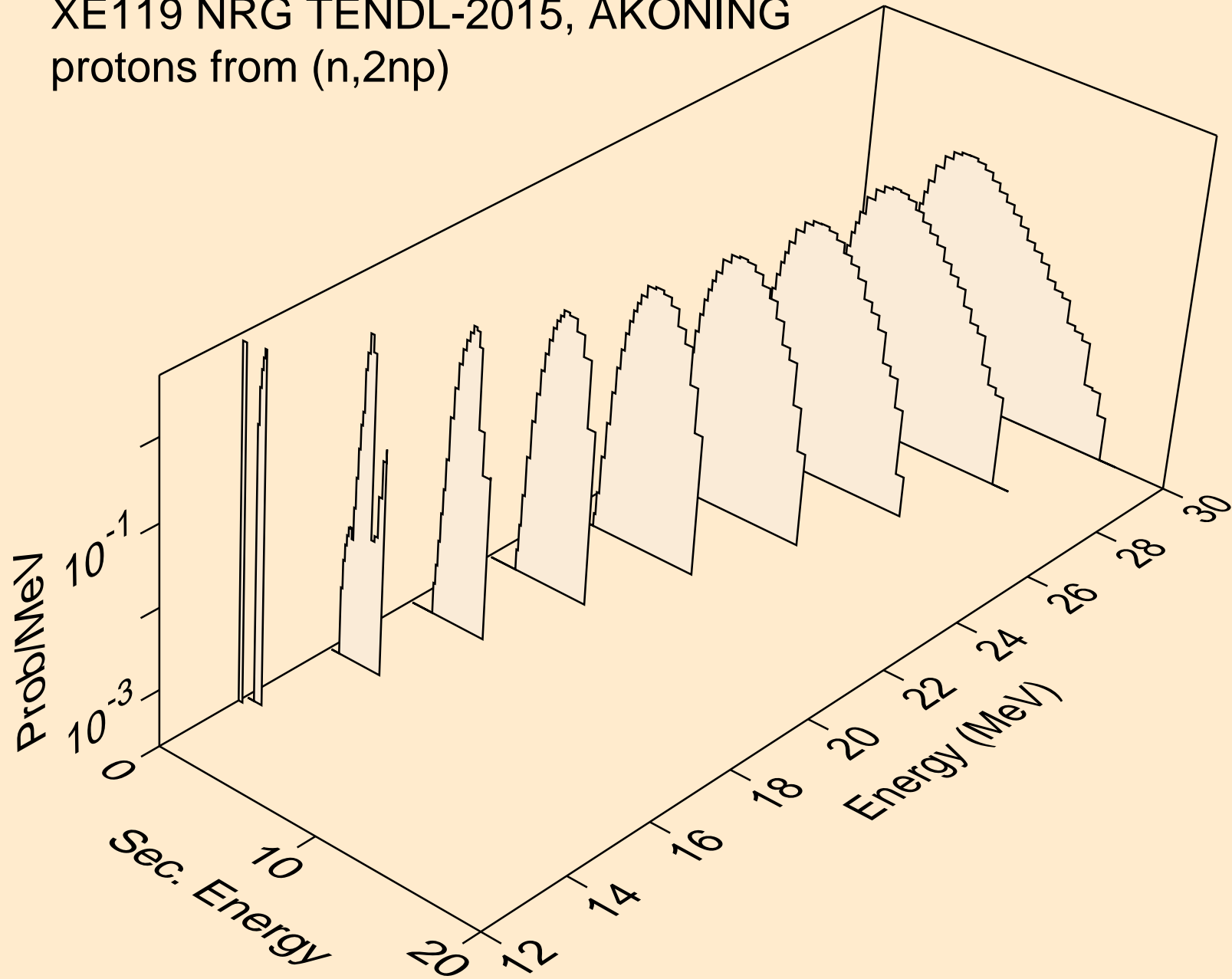
XE119 NRG TENDL-2015, AKONING  
protons from (n,x)



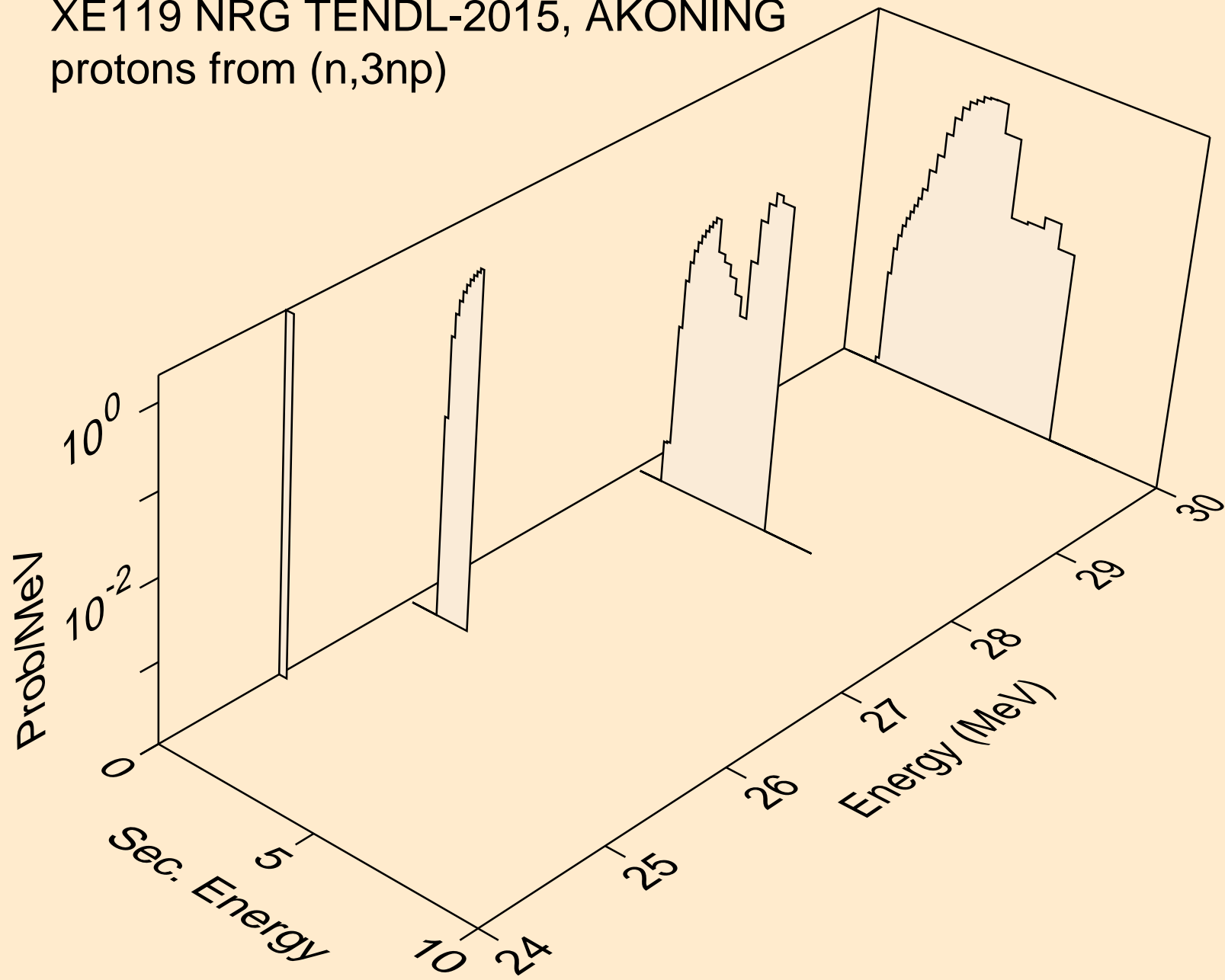
XE119 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



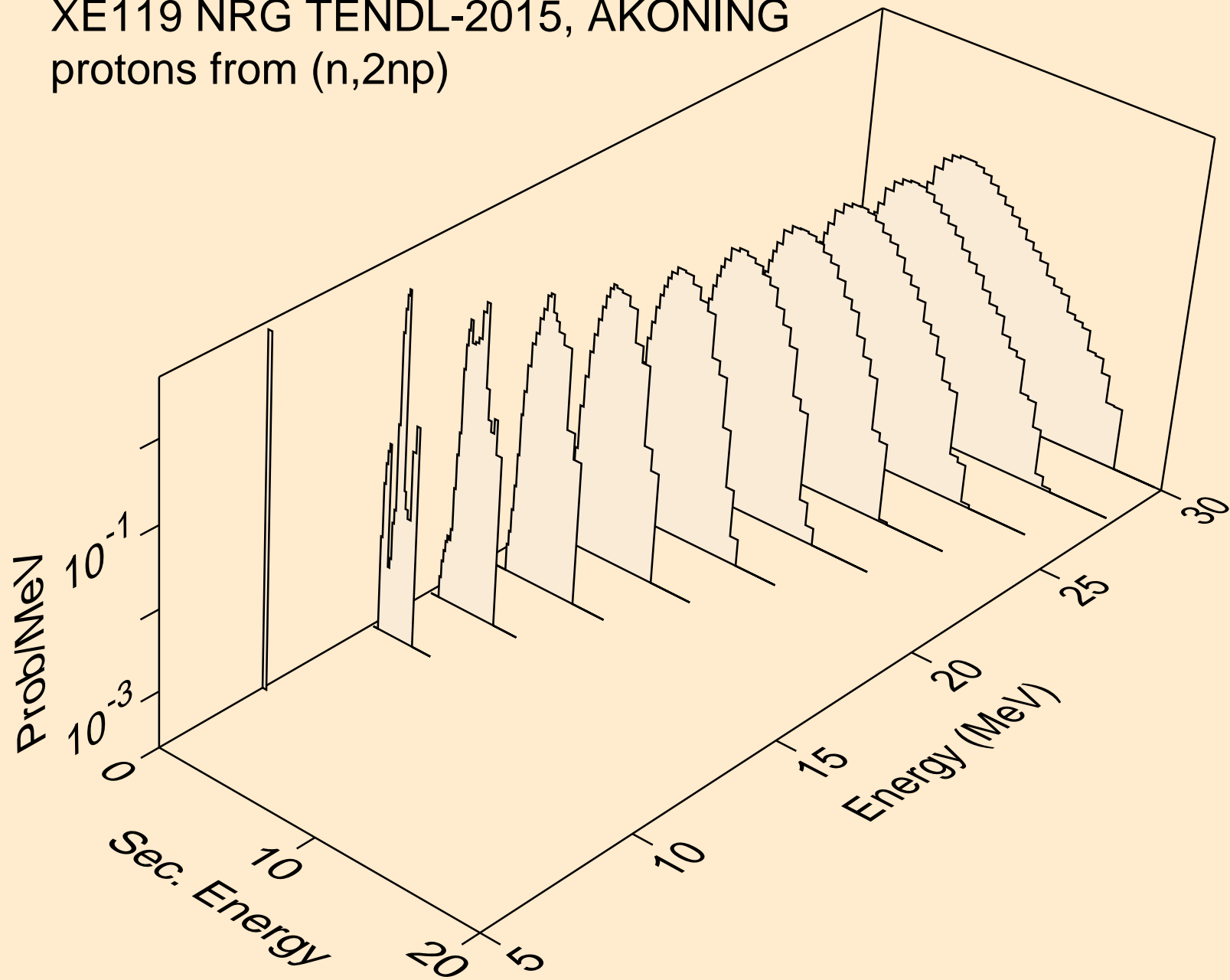
XE119 NRG TENDL-2015, AKONING  
protons from (n,2np)



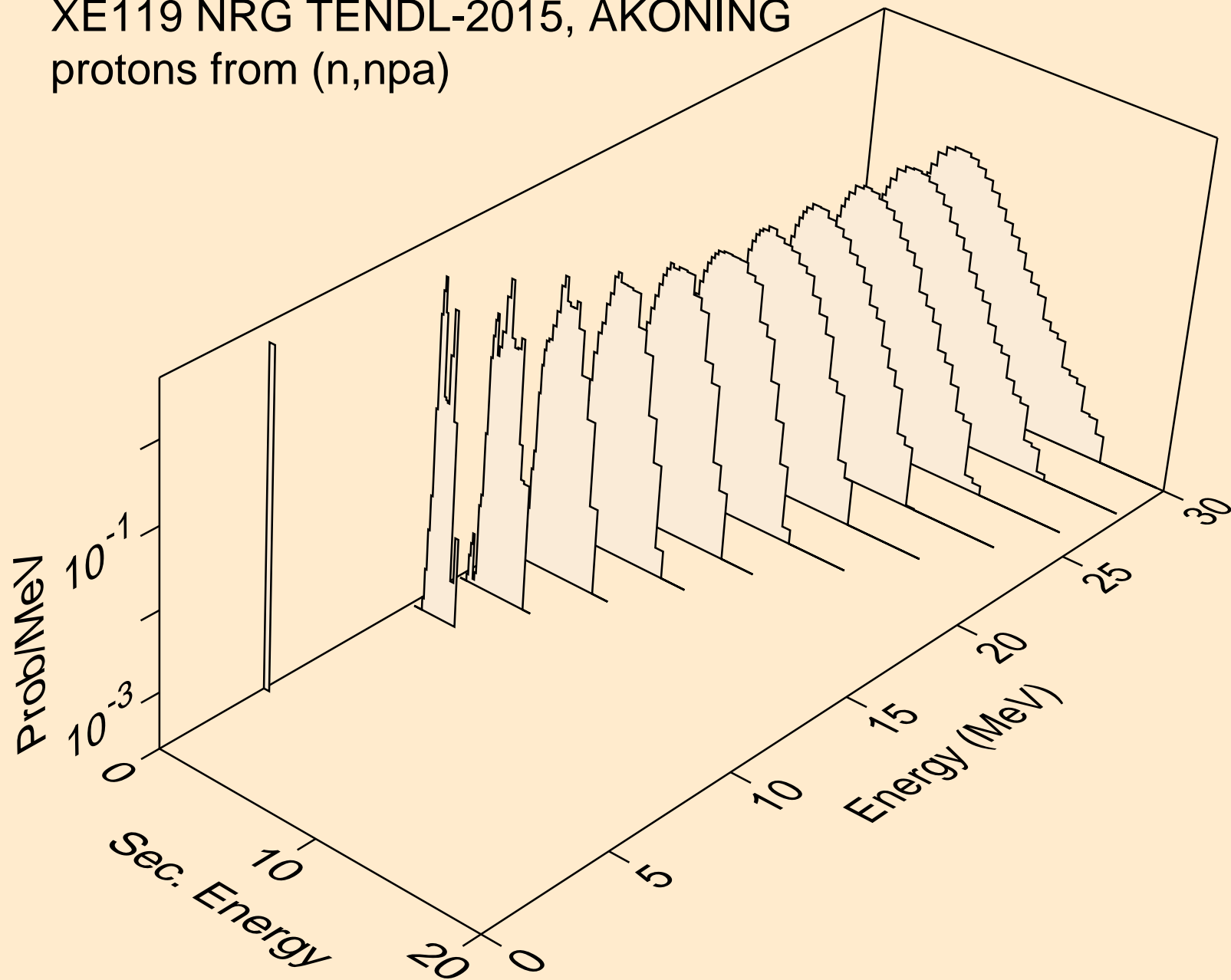
XE119 NRG TENDL-2015, AKONING  
protons from (n,3np)



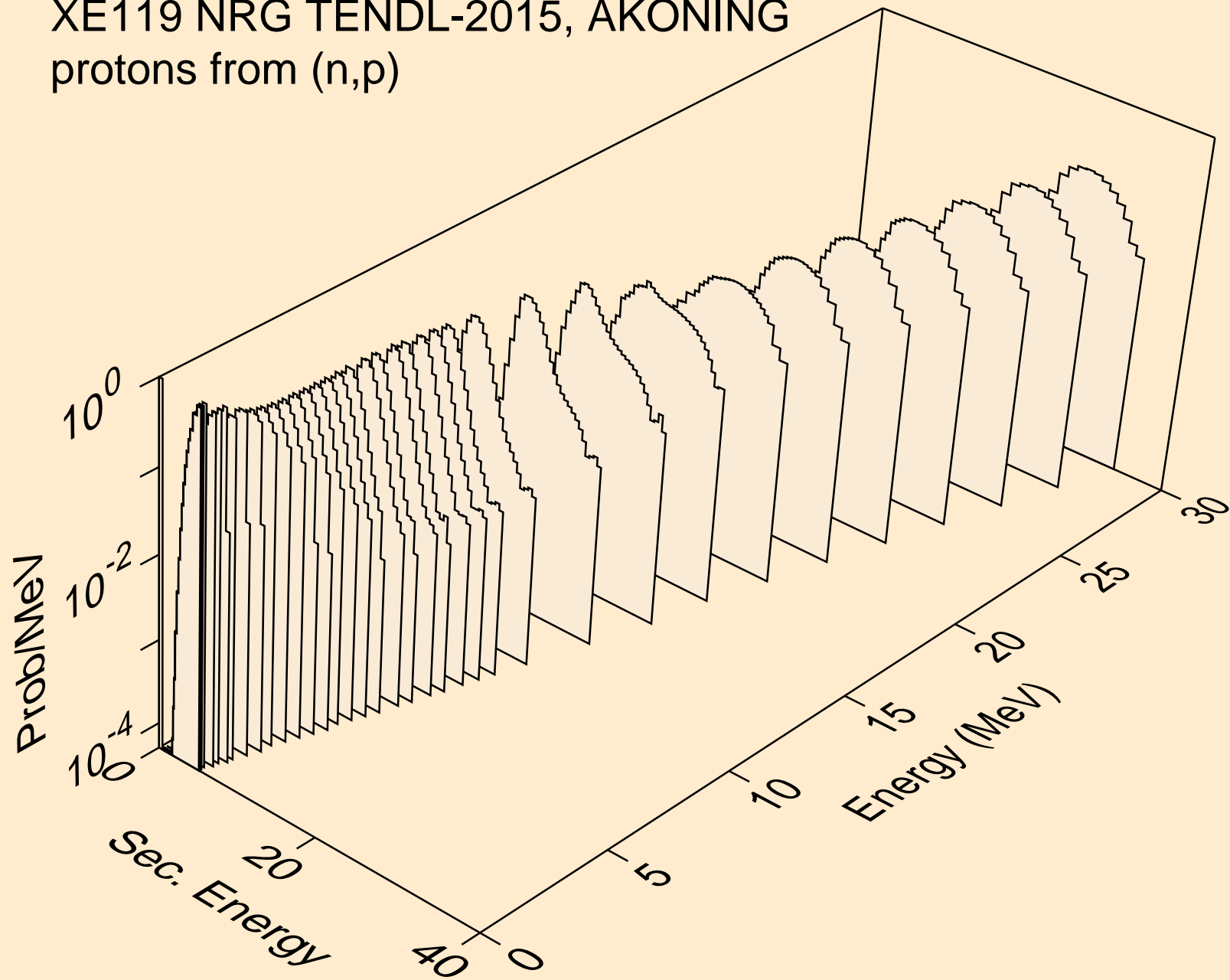
XE119 NRG TENDL-2015, AKONING  
protons from (n,2np)



XE119 NRG TENDL-2015, AKONING  
protons from (n,npa)

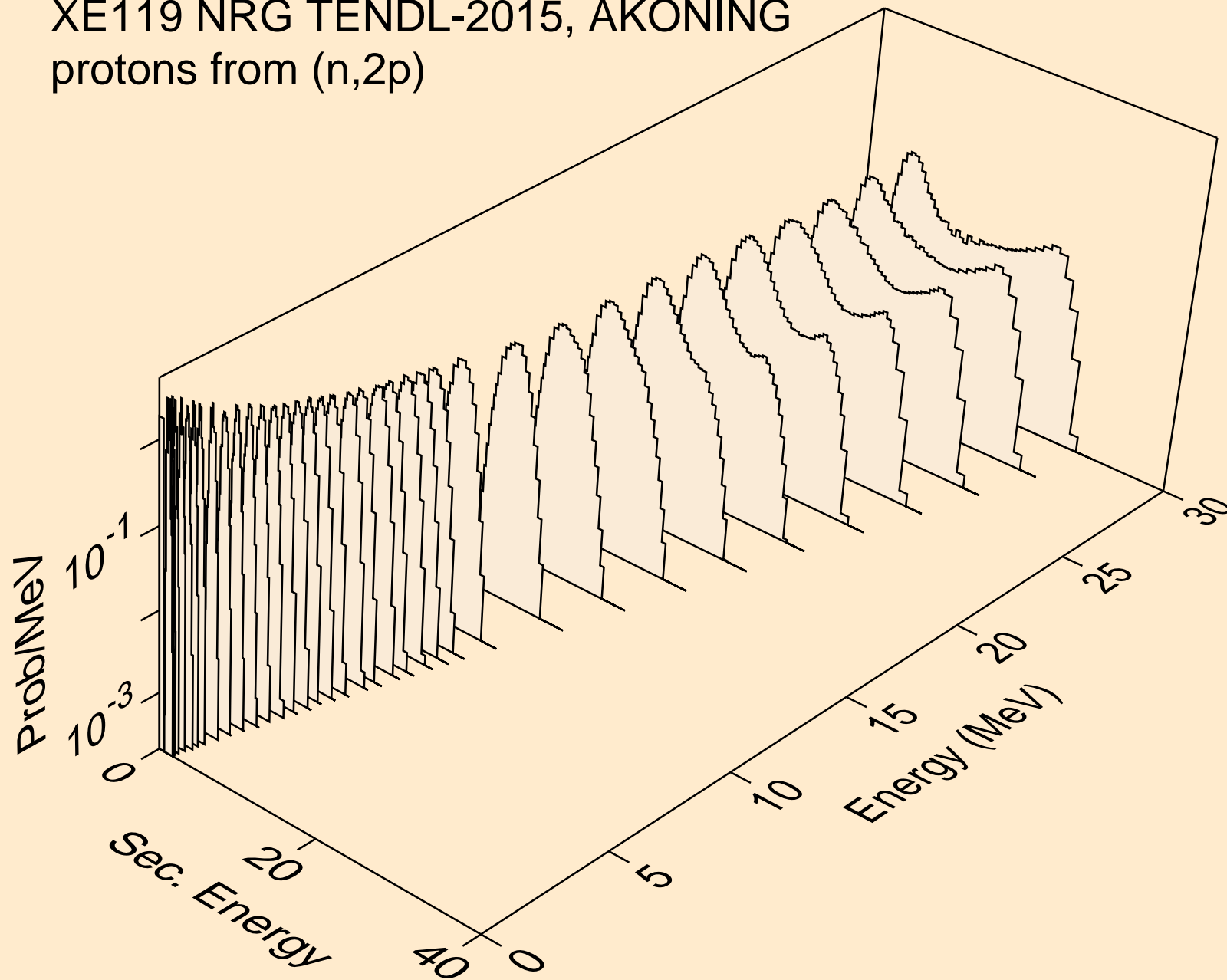


XE119 NRG TENDL-2015, AKONING  
protons from (n,p)

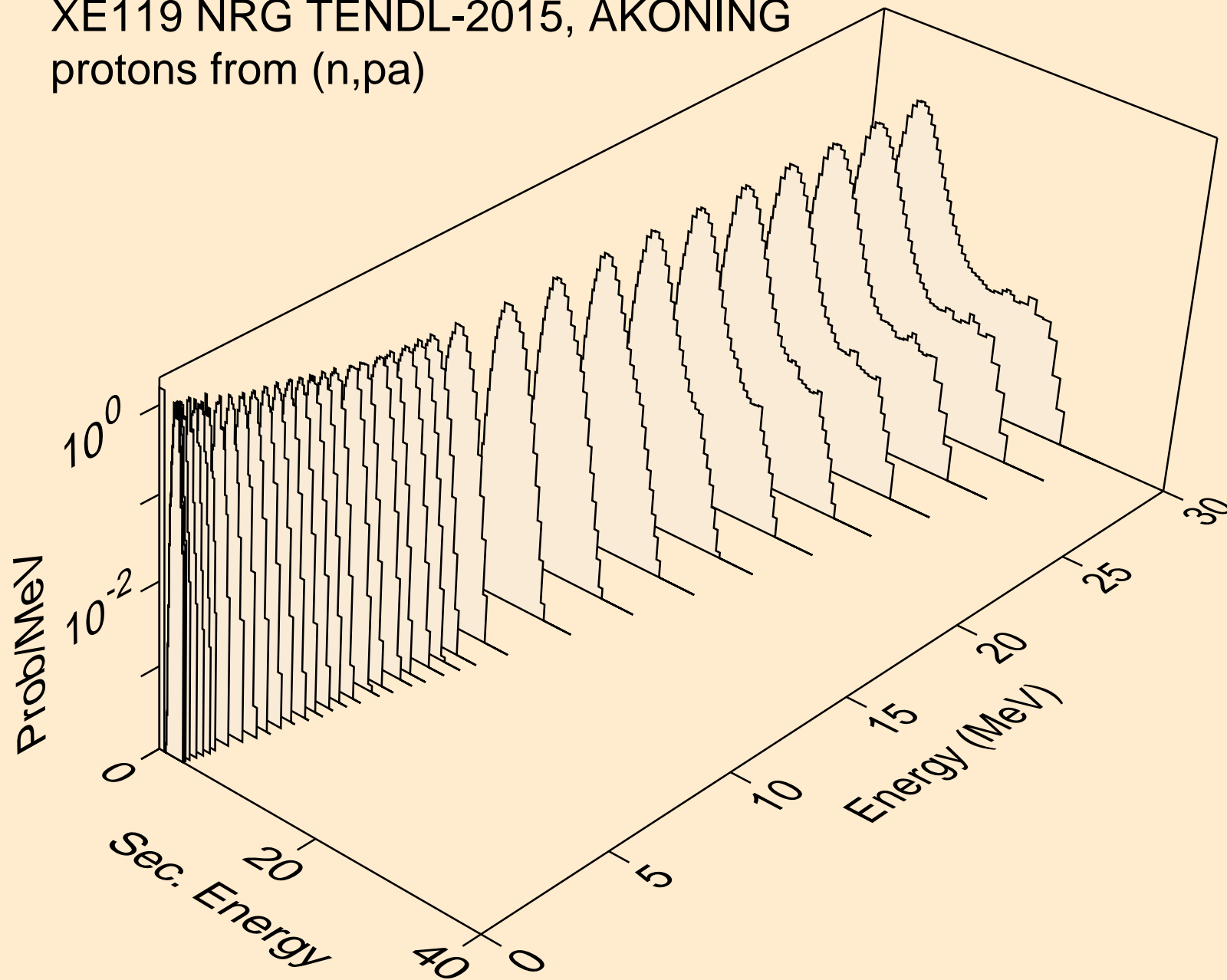




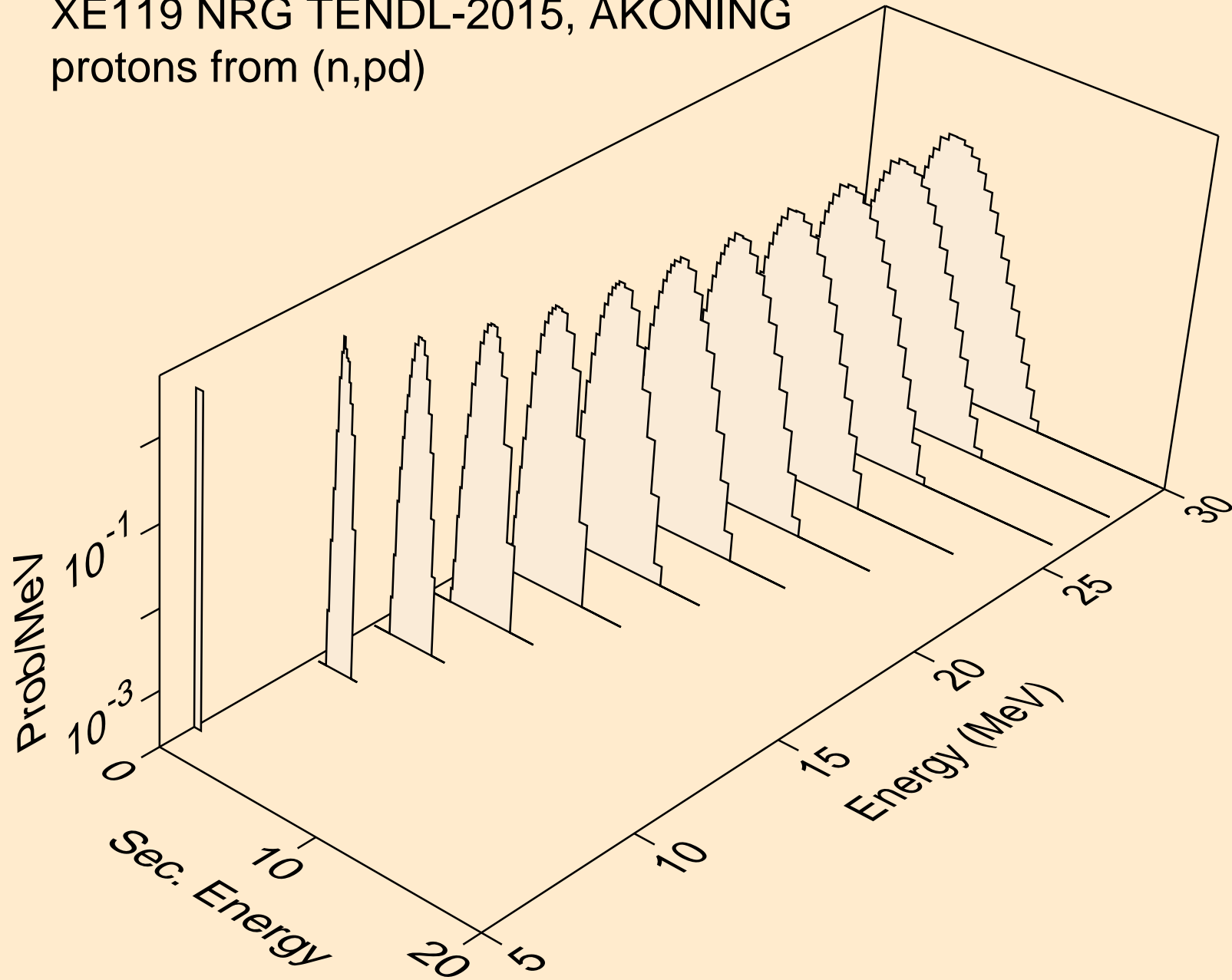
XE119 NRG TENDL-2015, AKONING  
protons from (n,2p)



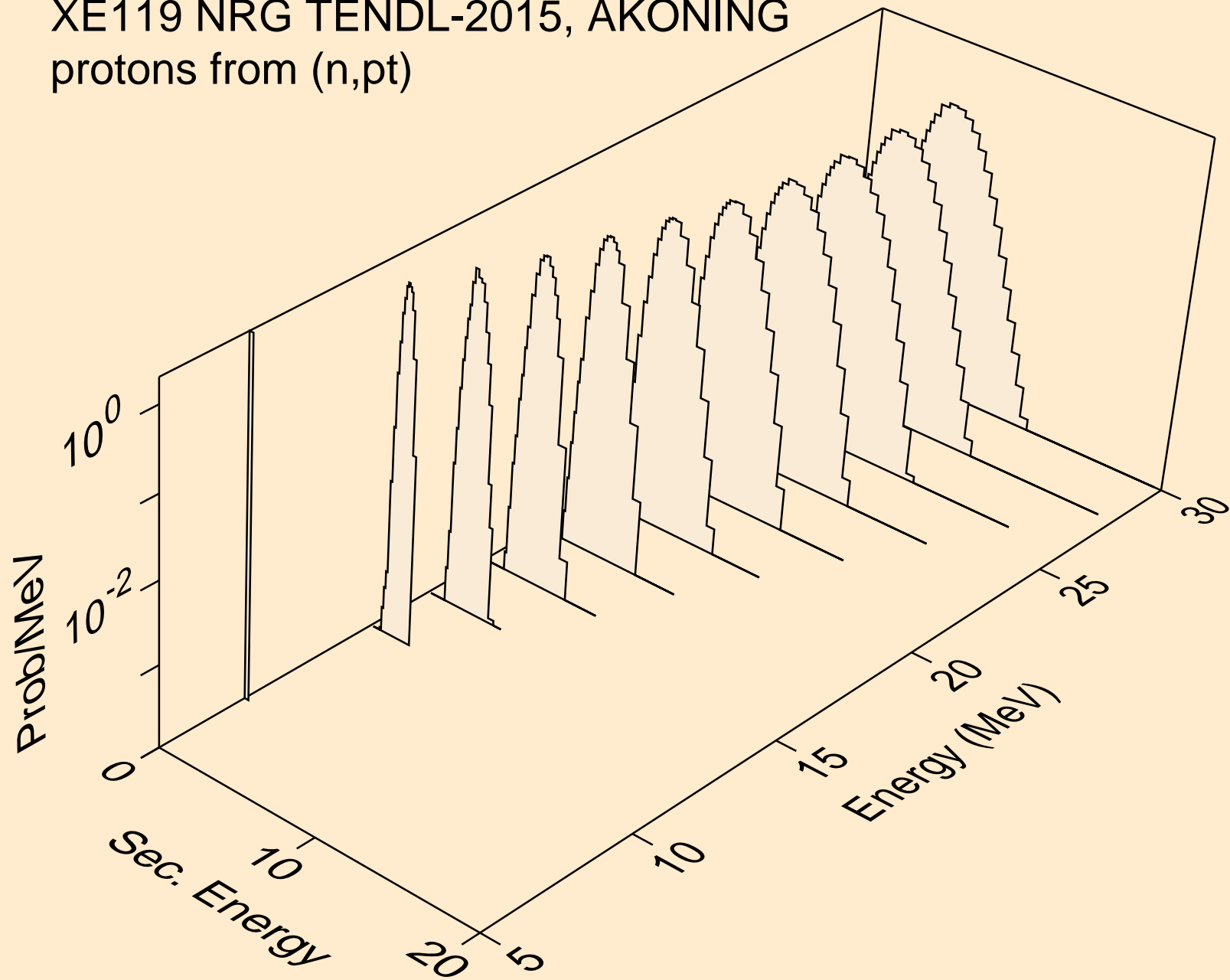
XE119 NRG TENDL-2015, AKONING  
protons from (n,pa)



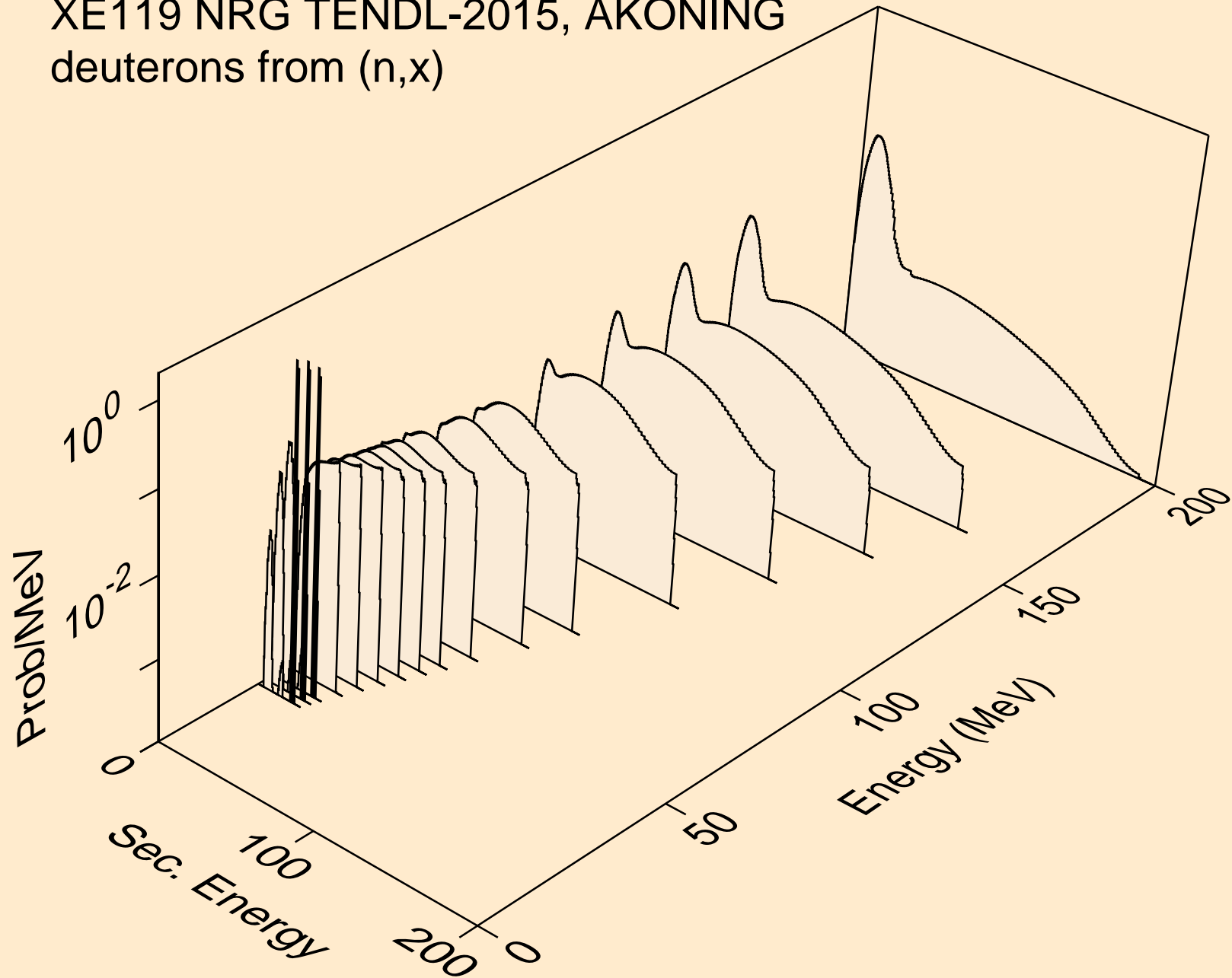
XE119 NRG TENDL-2015, AKONING  
protons from (n,pd)



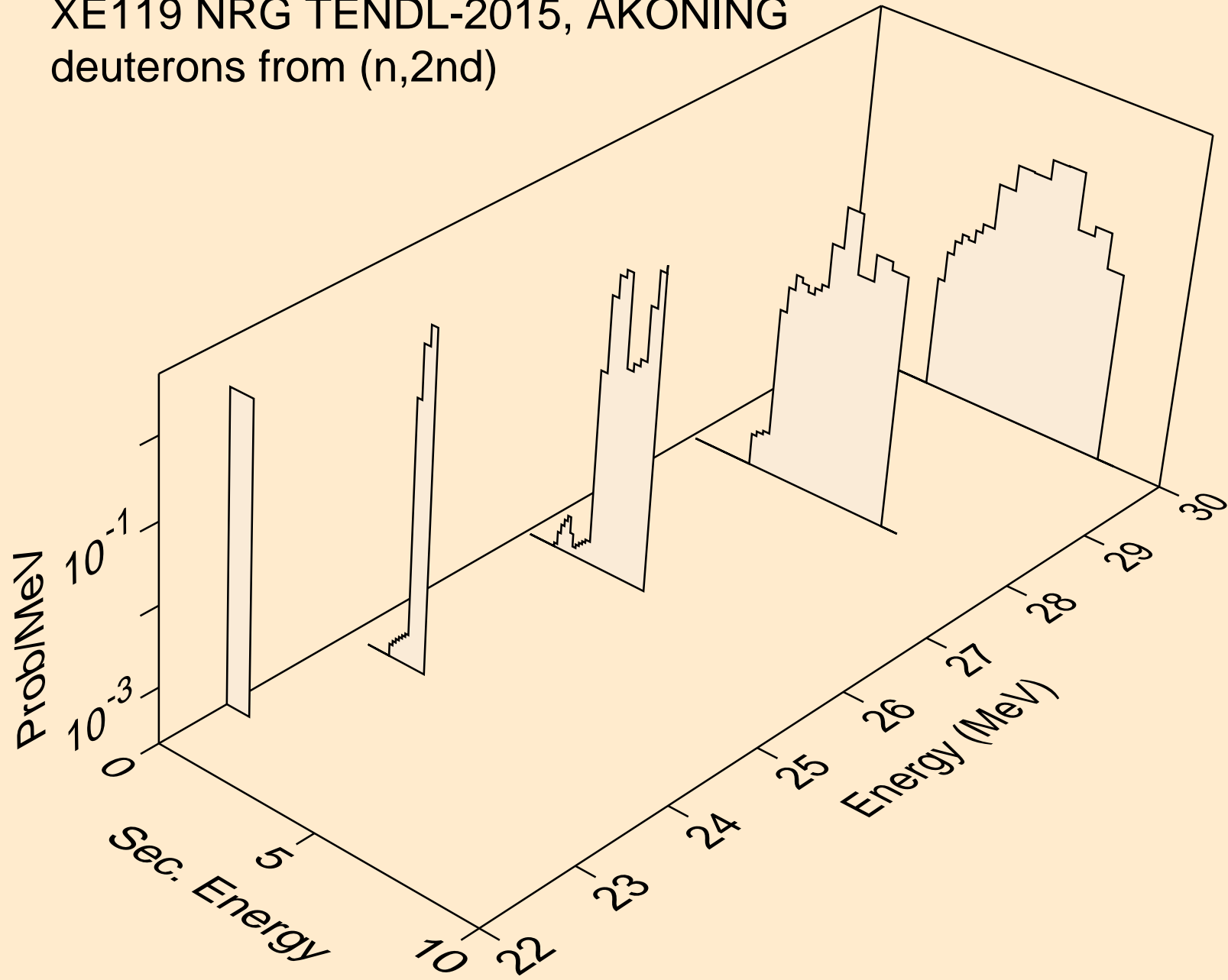
XE119 NRG TENDL-2015, AKONING  
protons from (n,pt)



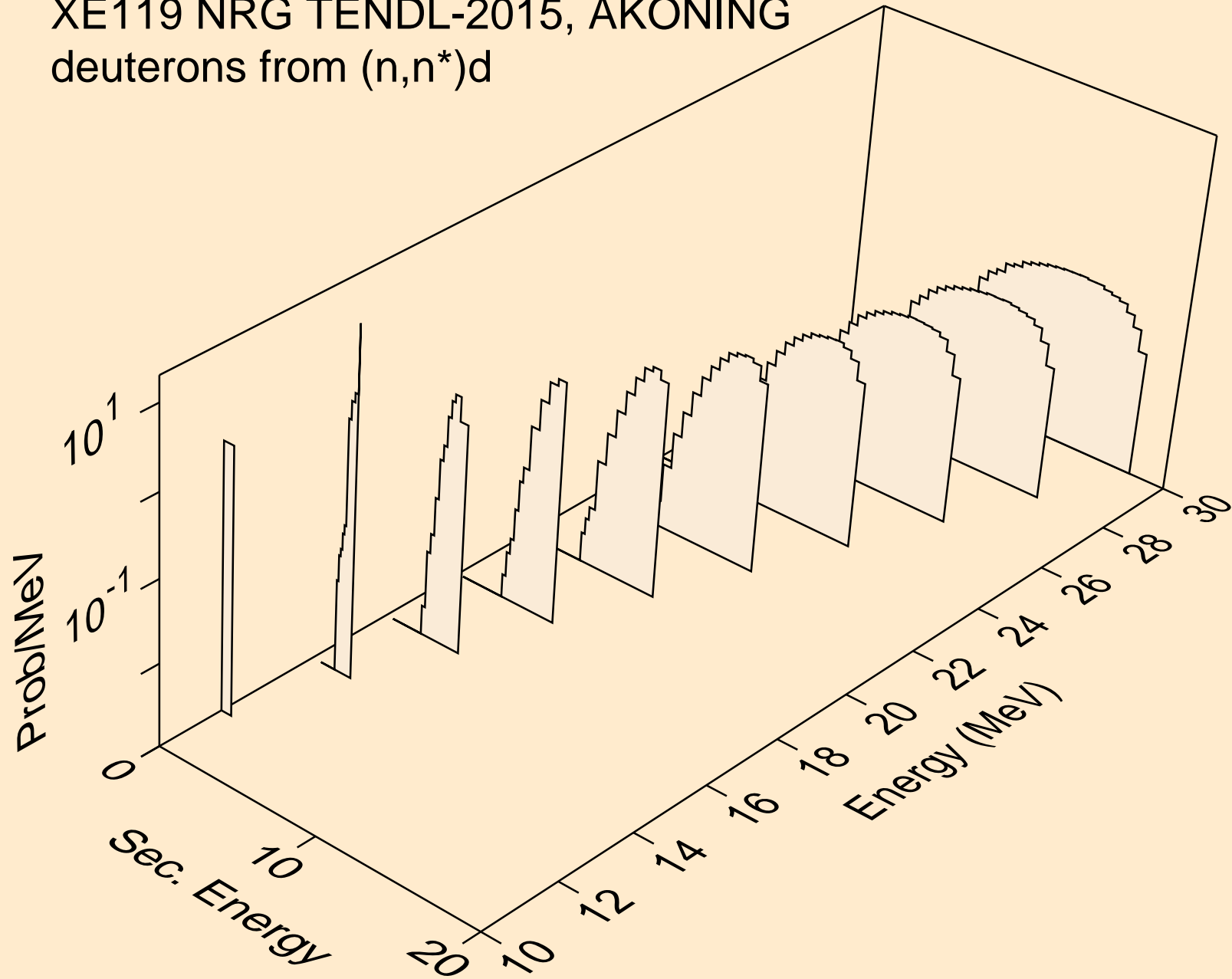
XE119 NRG TENDL-2015, AKONING  
deuterons from (n,x)



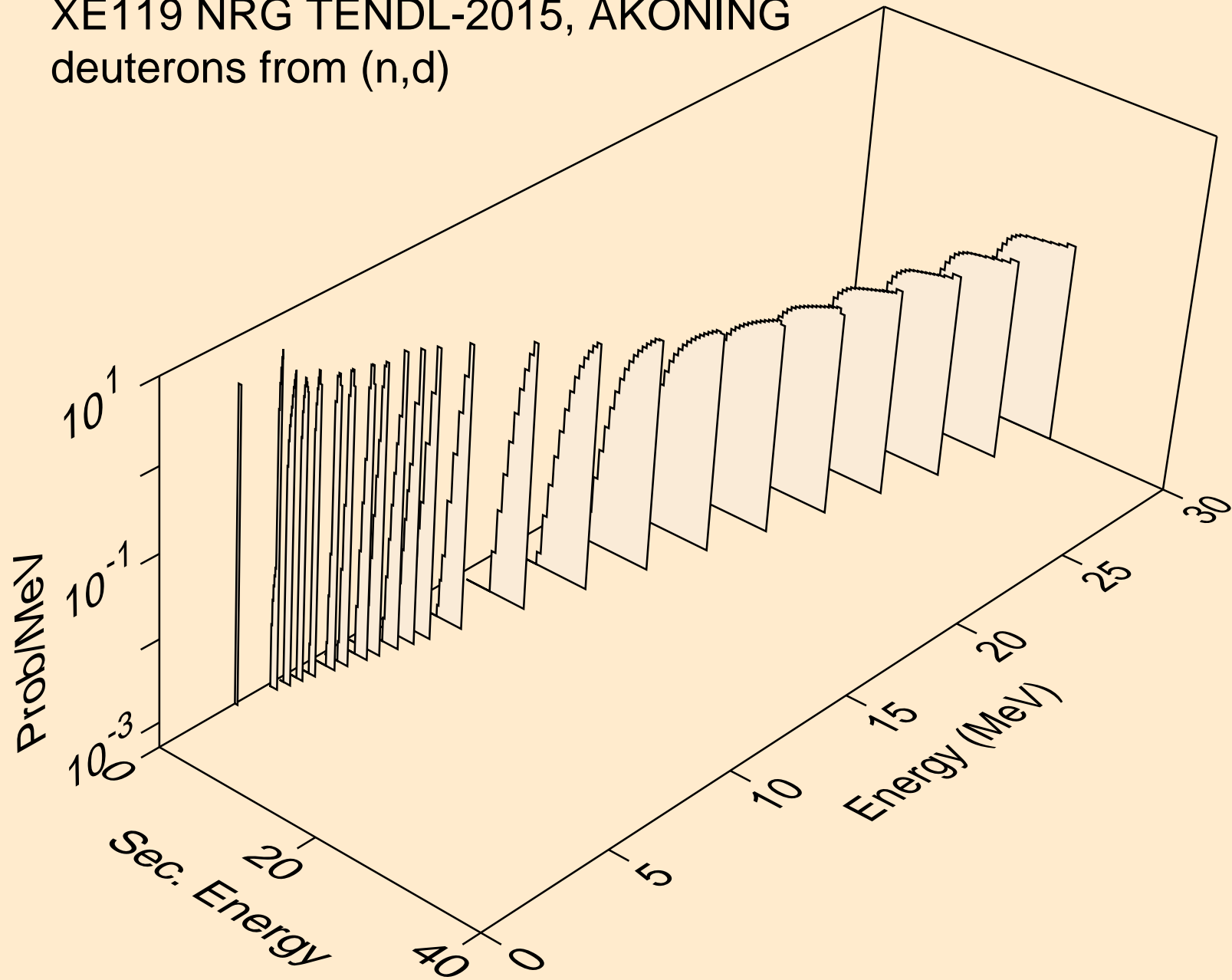
XE119 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



XE119 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

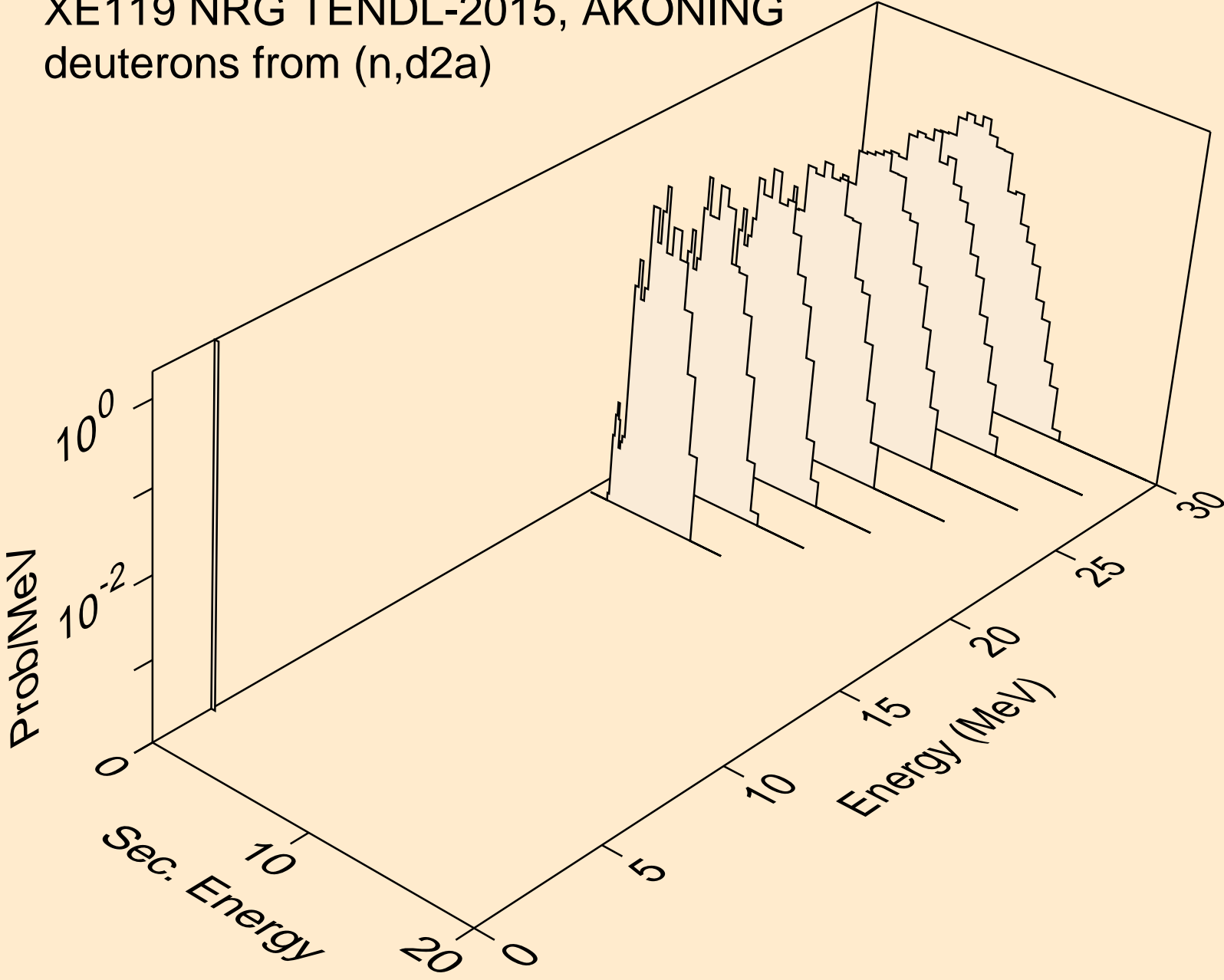


XE119 NRG TENDL-2015, AKONING  
deuterons from (n,d)

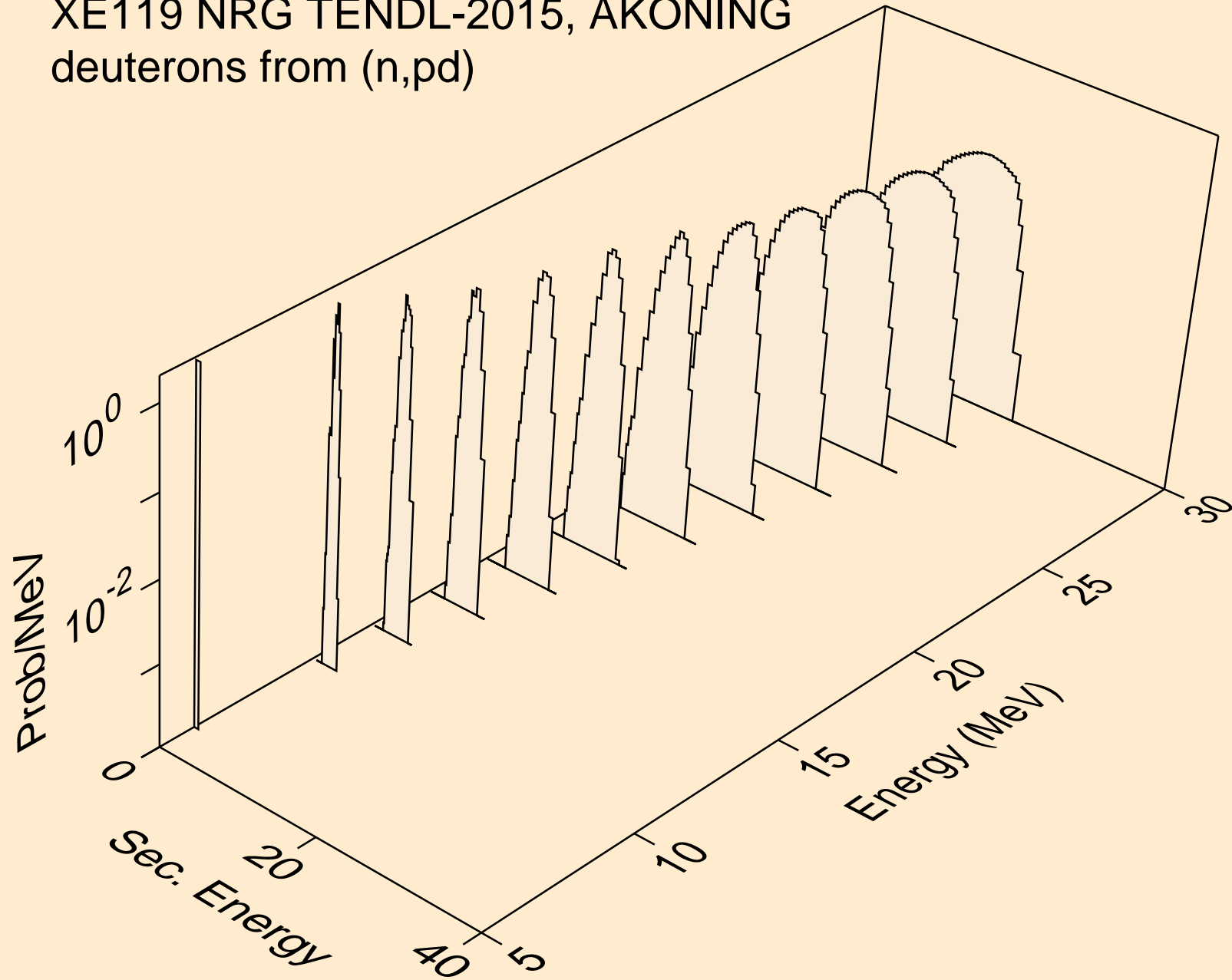




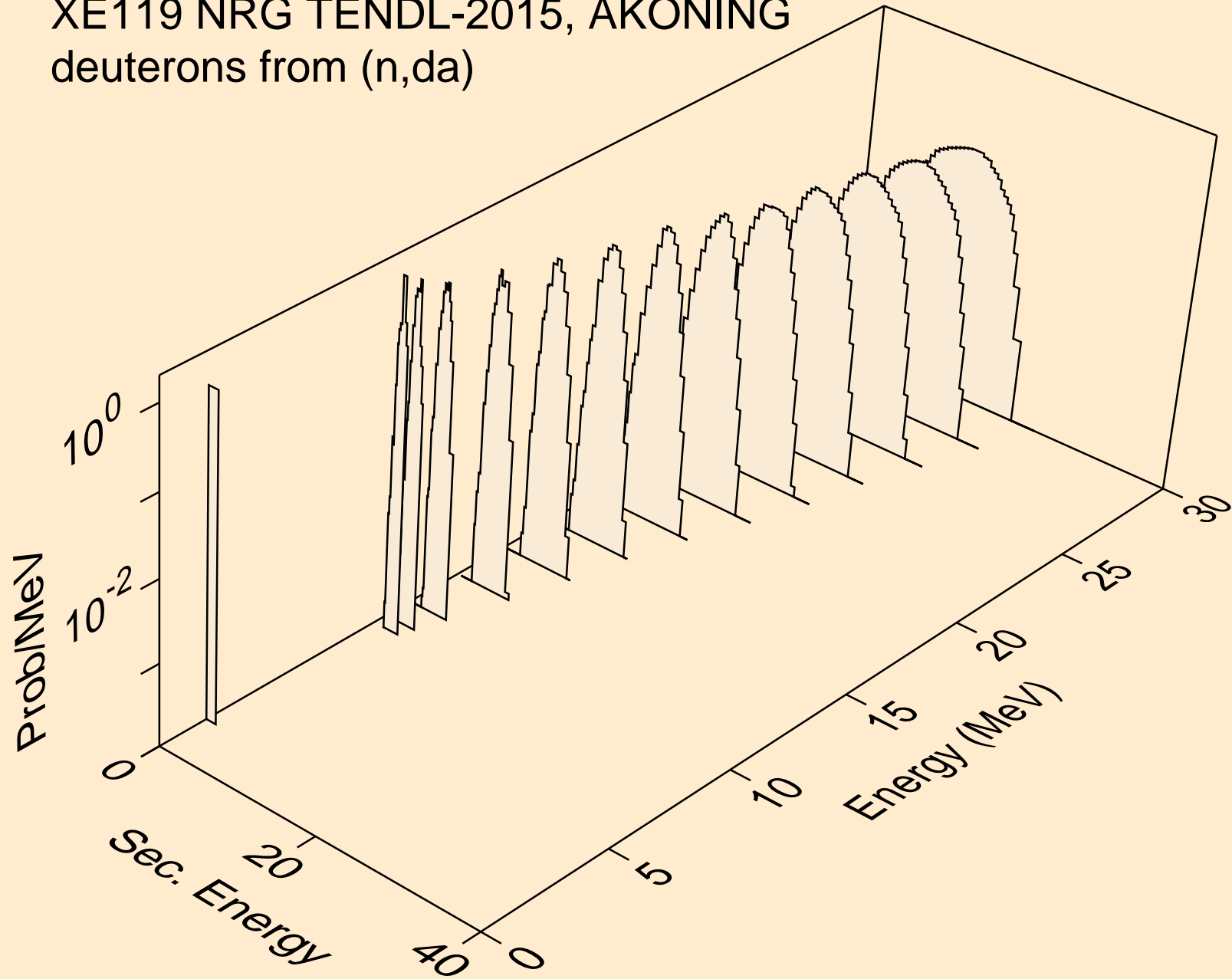
XE119 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



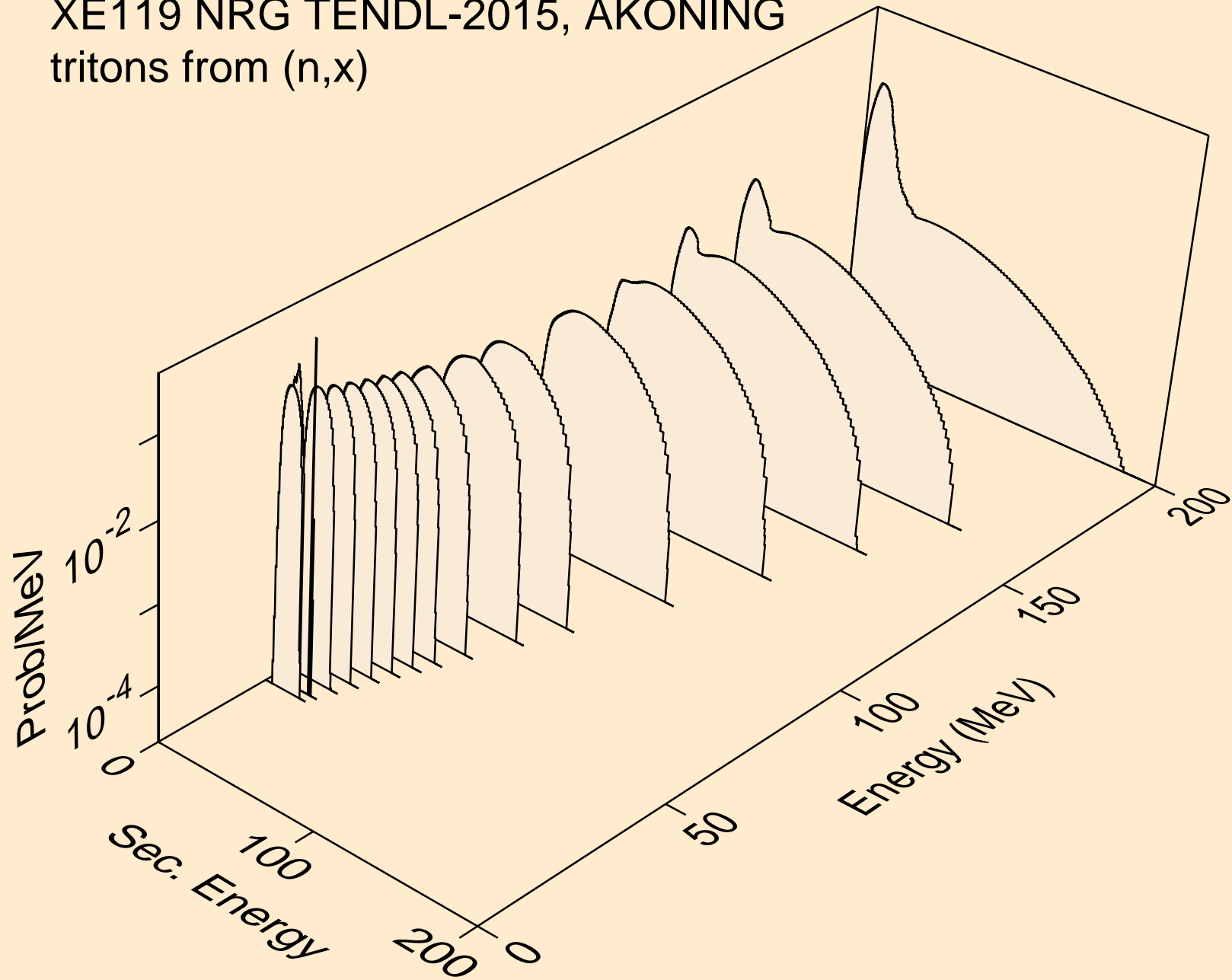
XE119 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



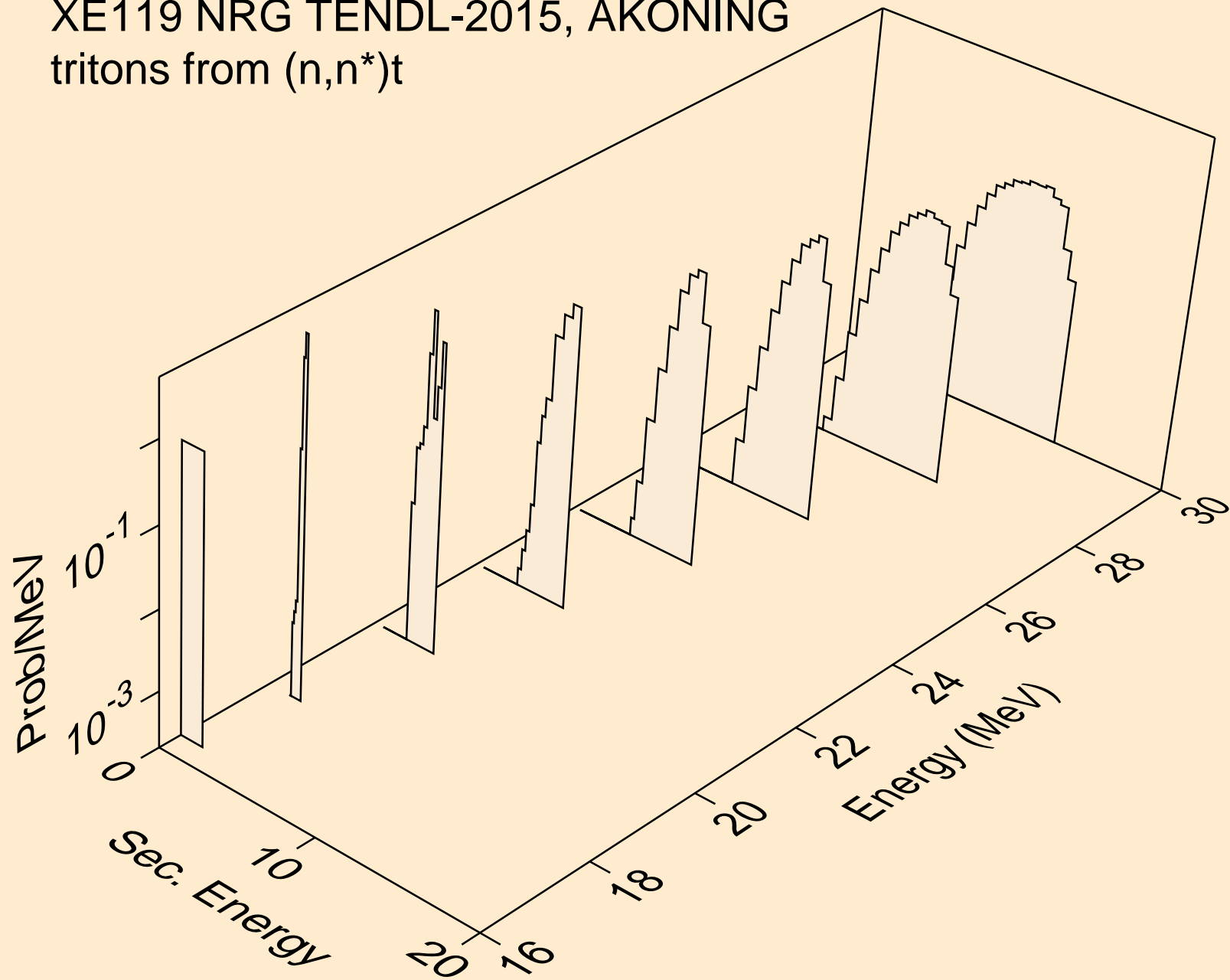
XE119 NRG TENDL-2015, AKONING  
deuterons from (n,da)



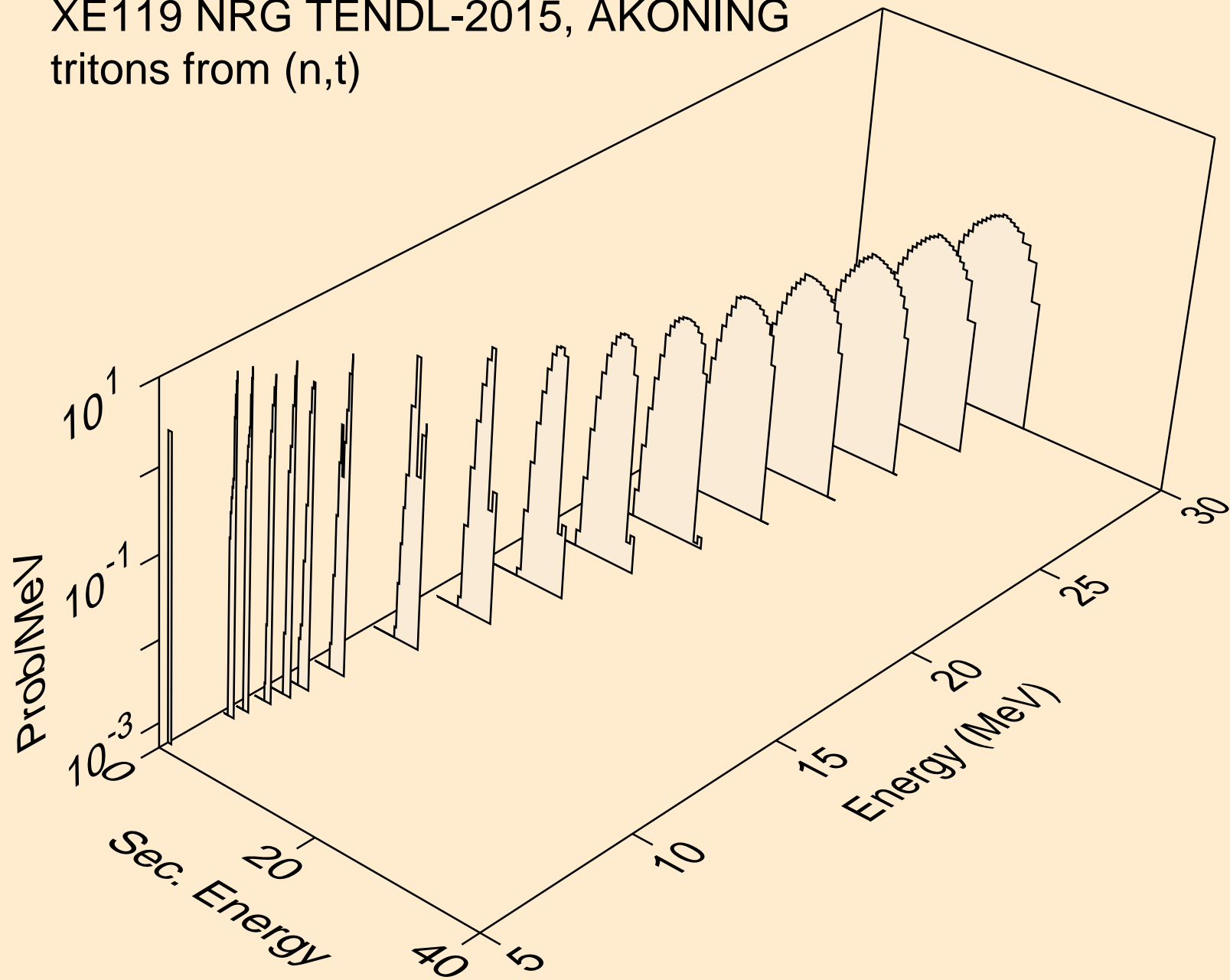
XE119 NRG TENDL-2015, AKONING  
tritons from (n,x)



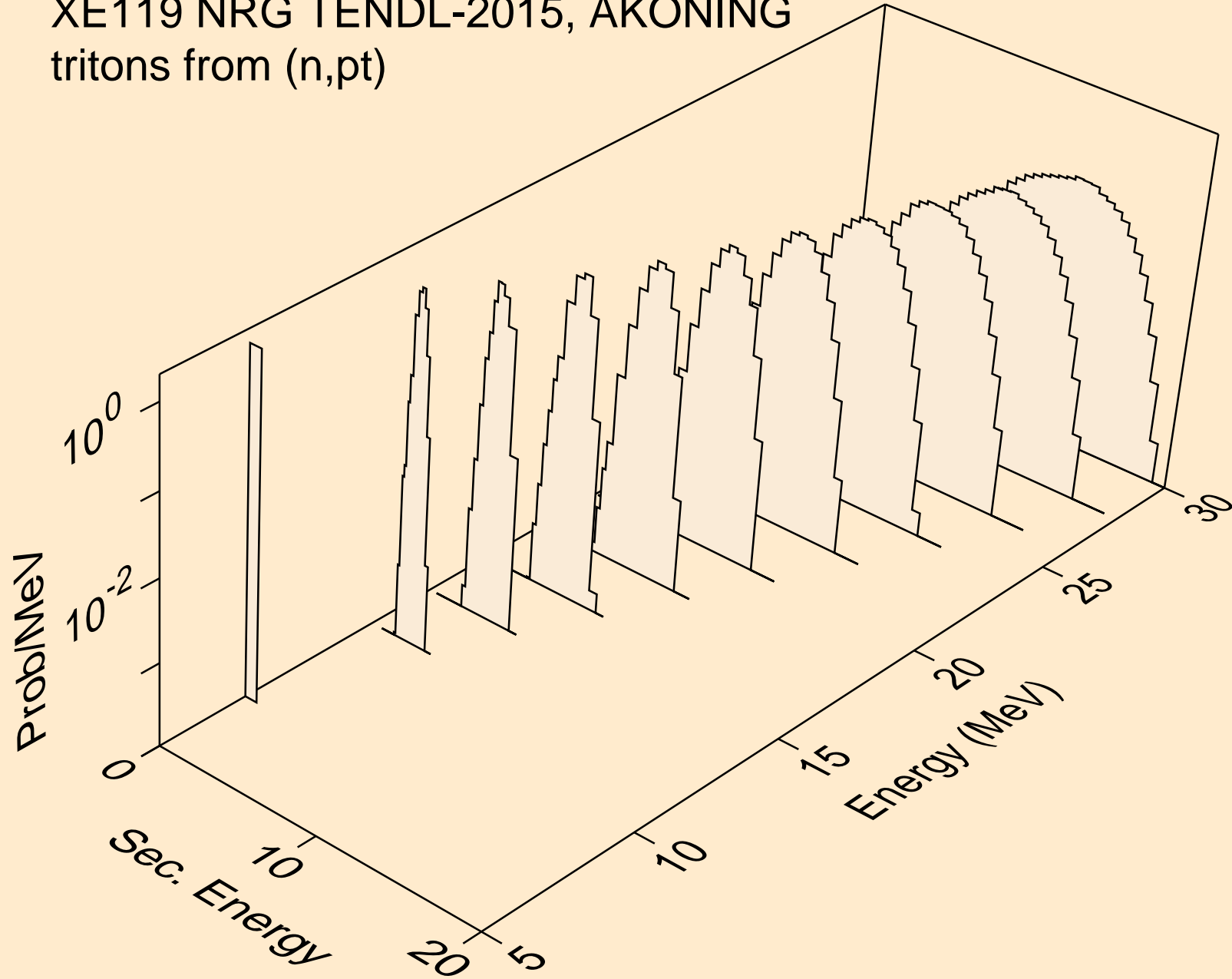
XE119 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



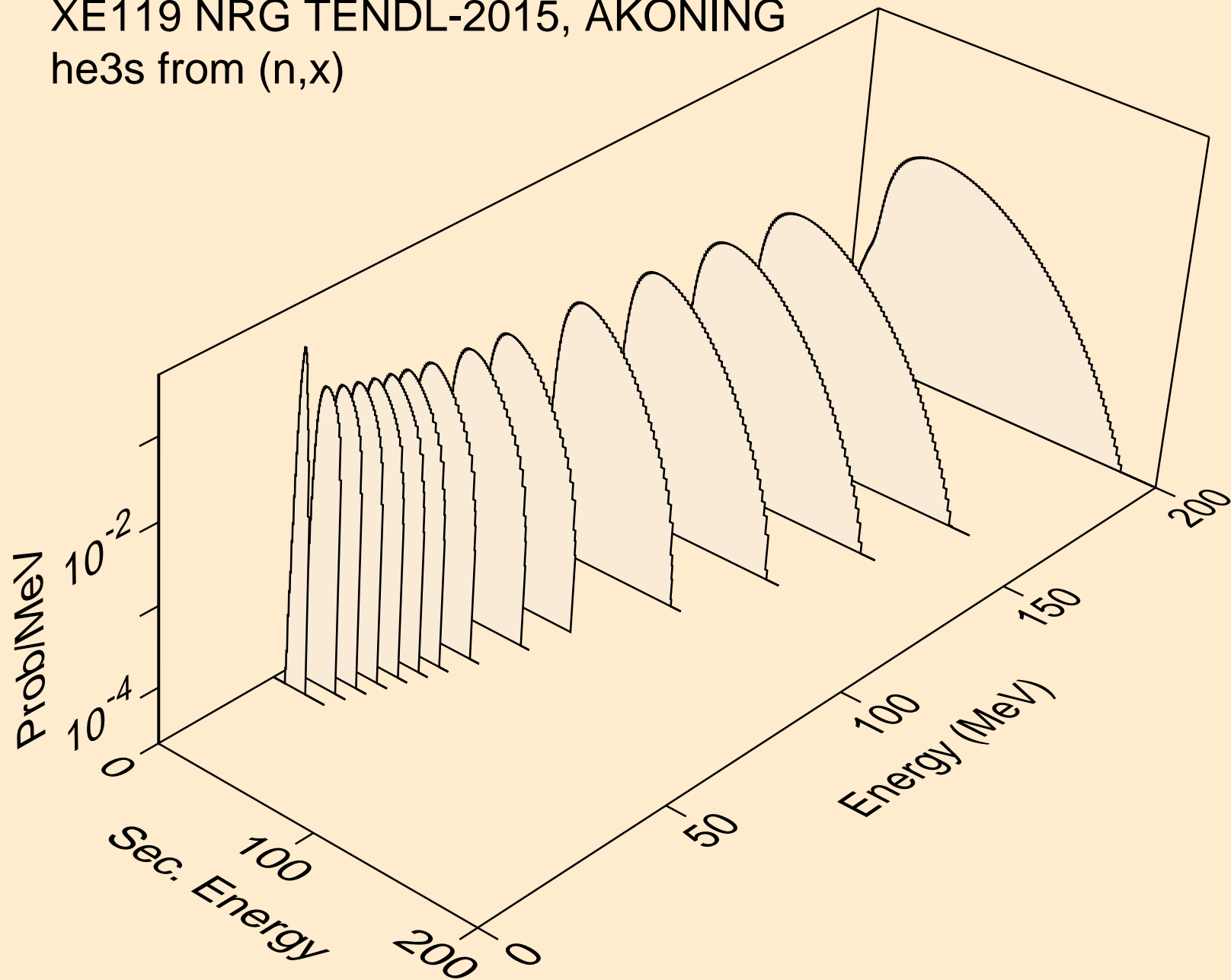
XE119 NRG TENDL-2015, AKONING  
tritons from (n,t)



XE119 NRG TENDL-2015, AKONING  
tritons from (n,pt)

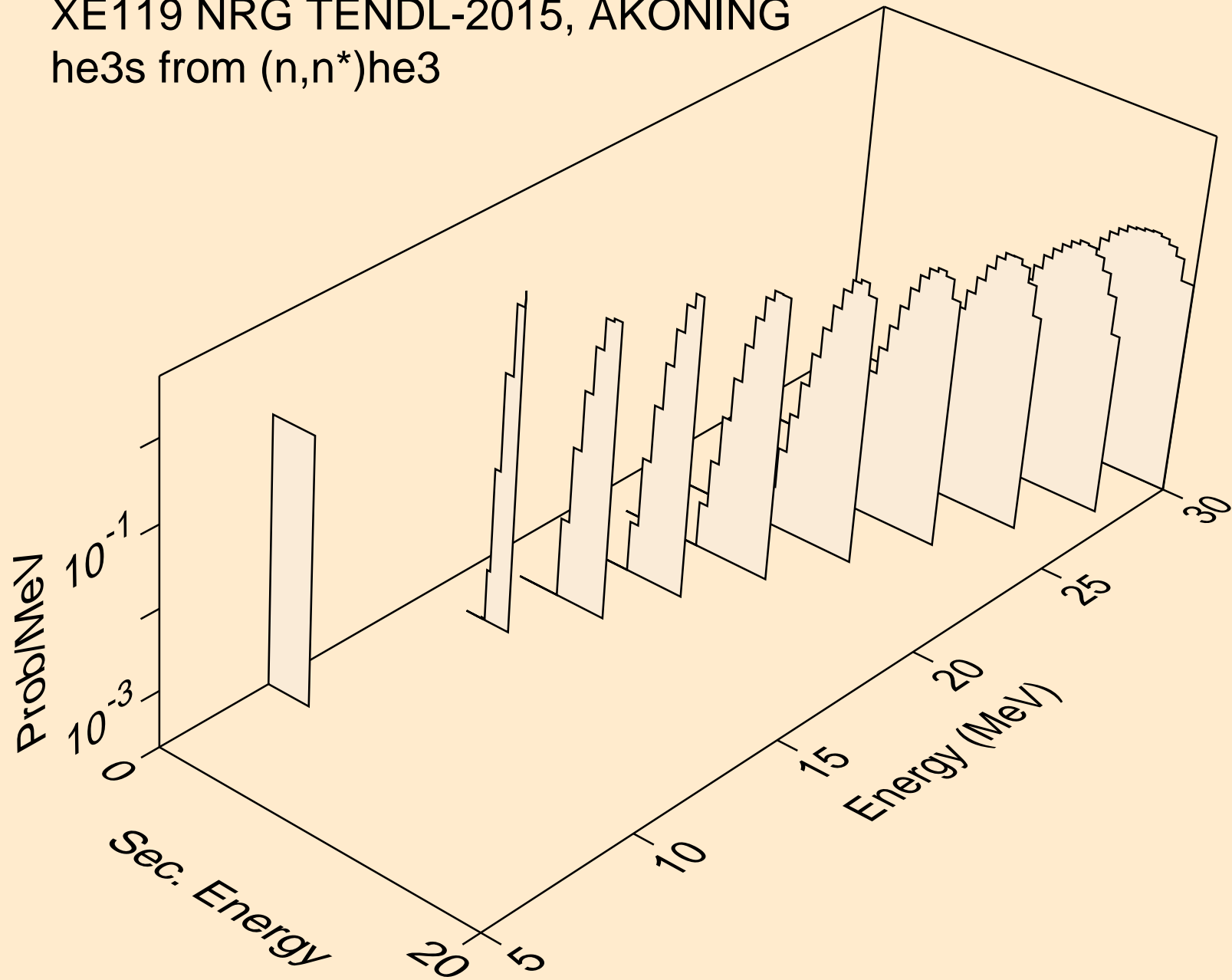


XE119 NRG TENDL-2015, AKONING  
he3s from (n,x)

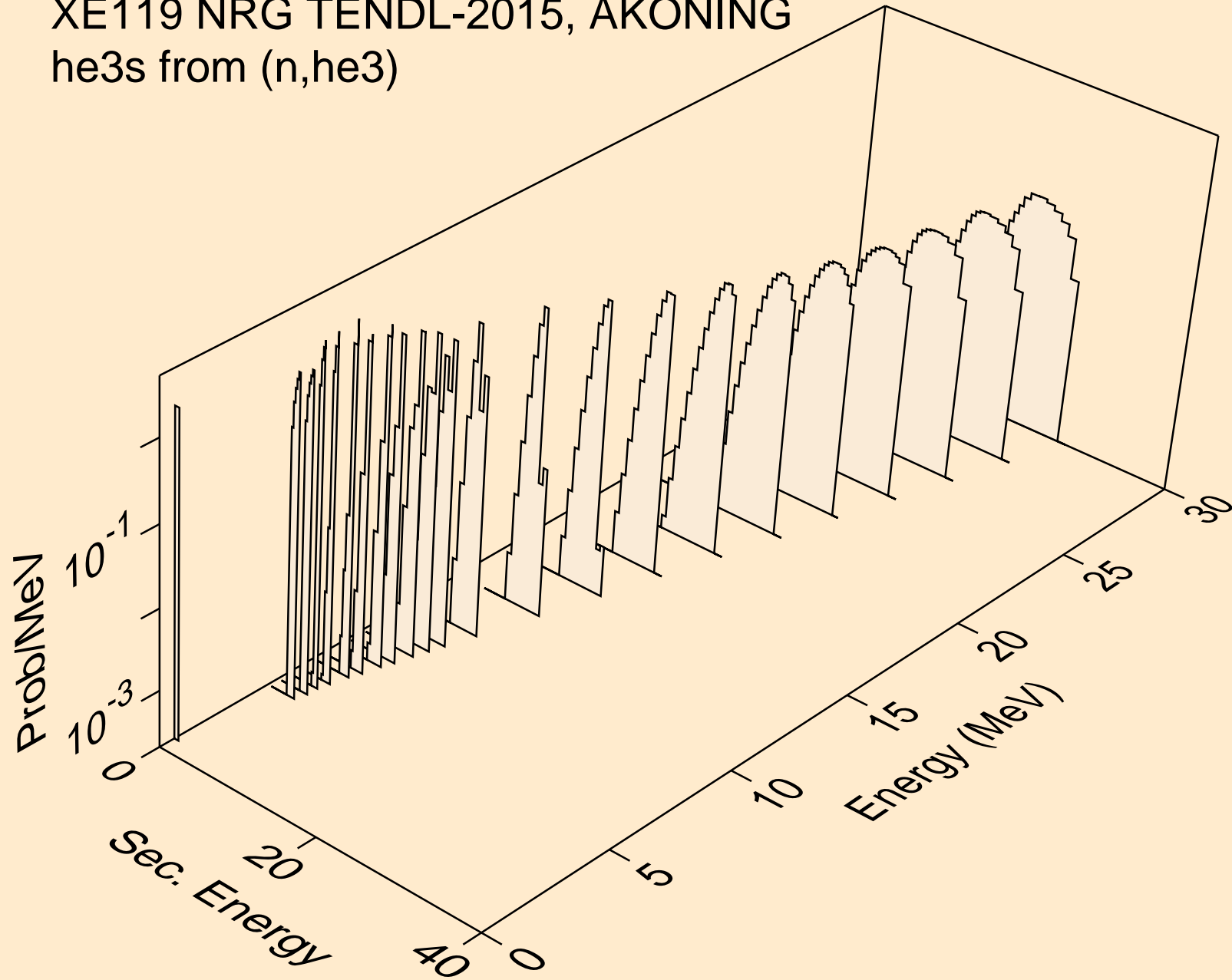




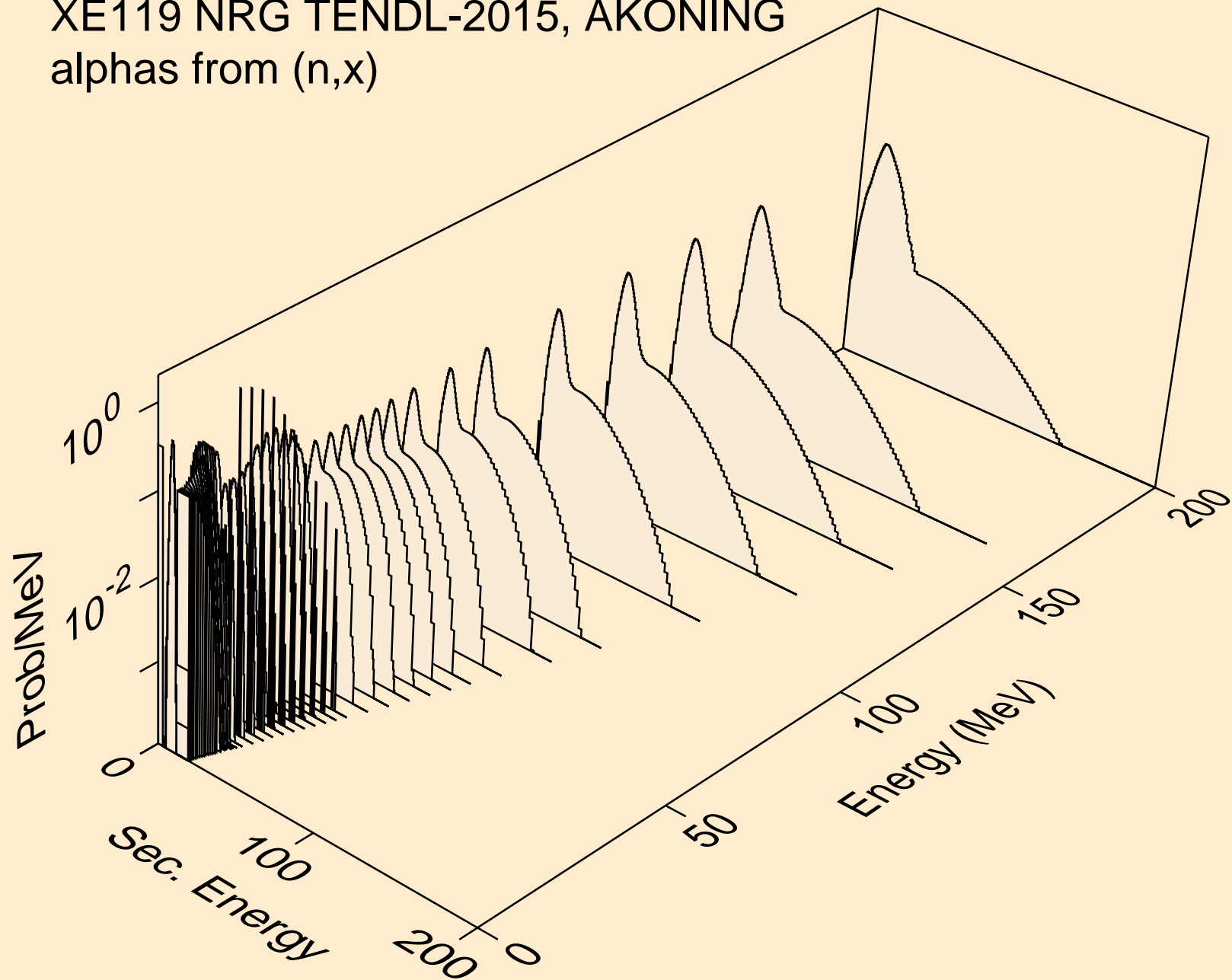
XE119 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



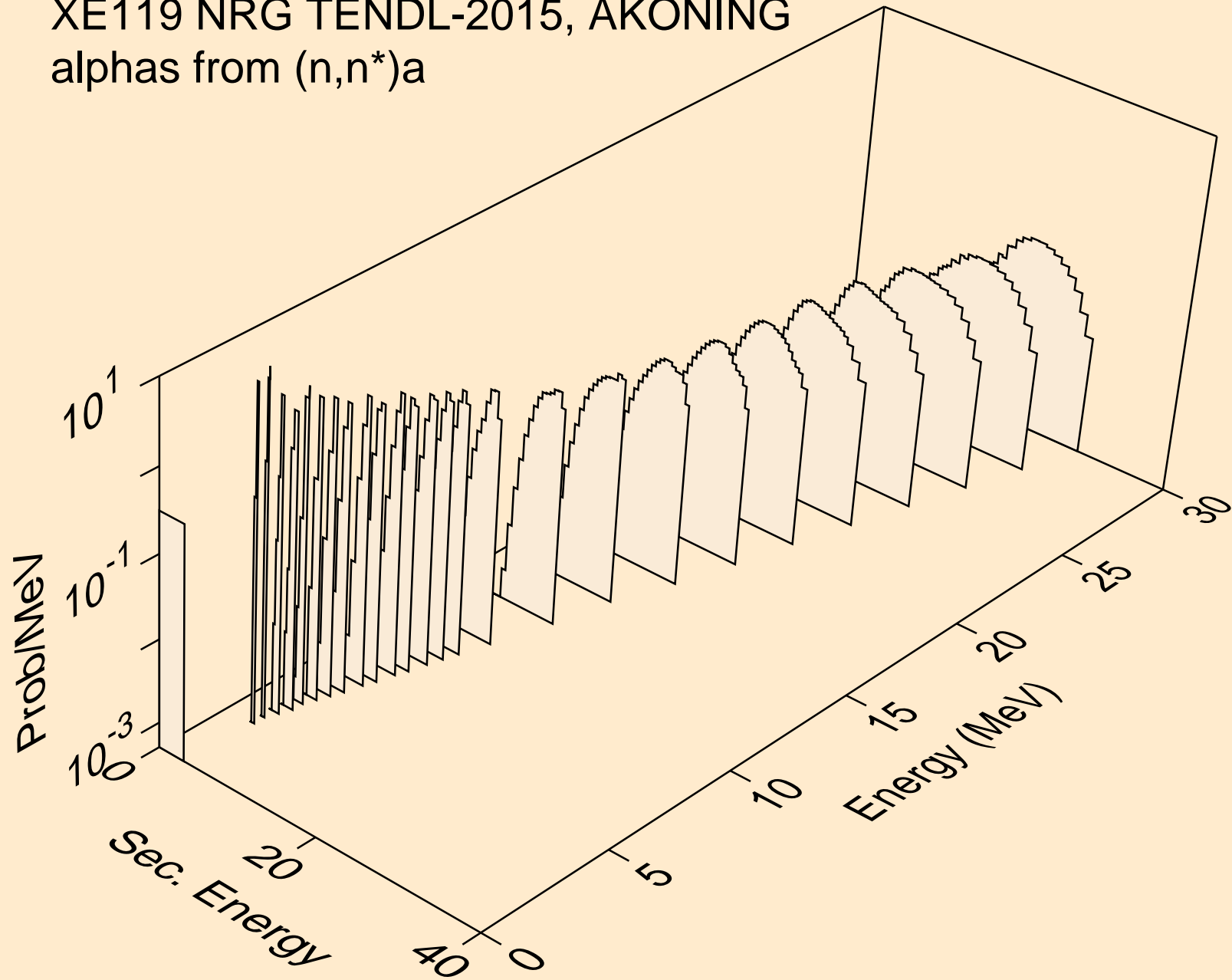
XE119 NRG TENDL-2015, AKONING  
he3s from (n,he3)



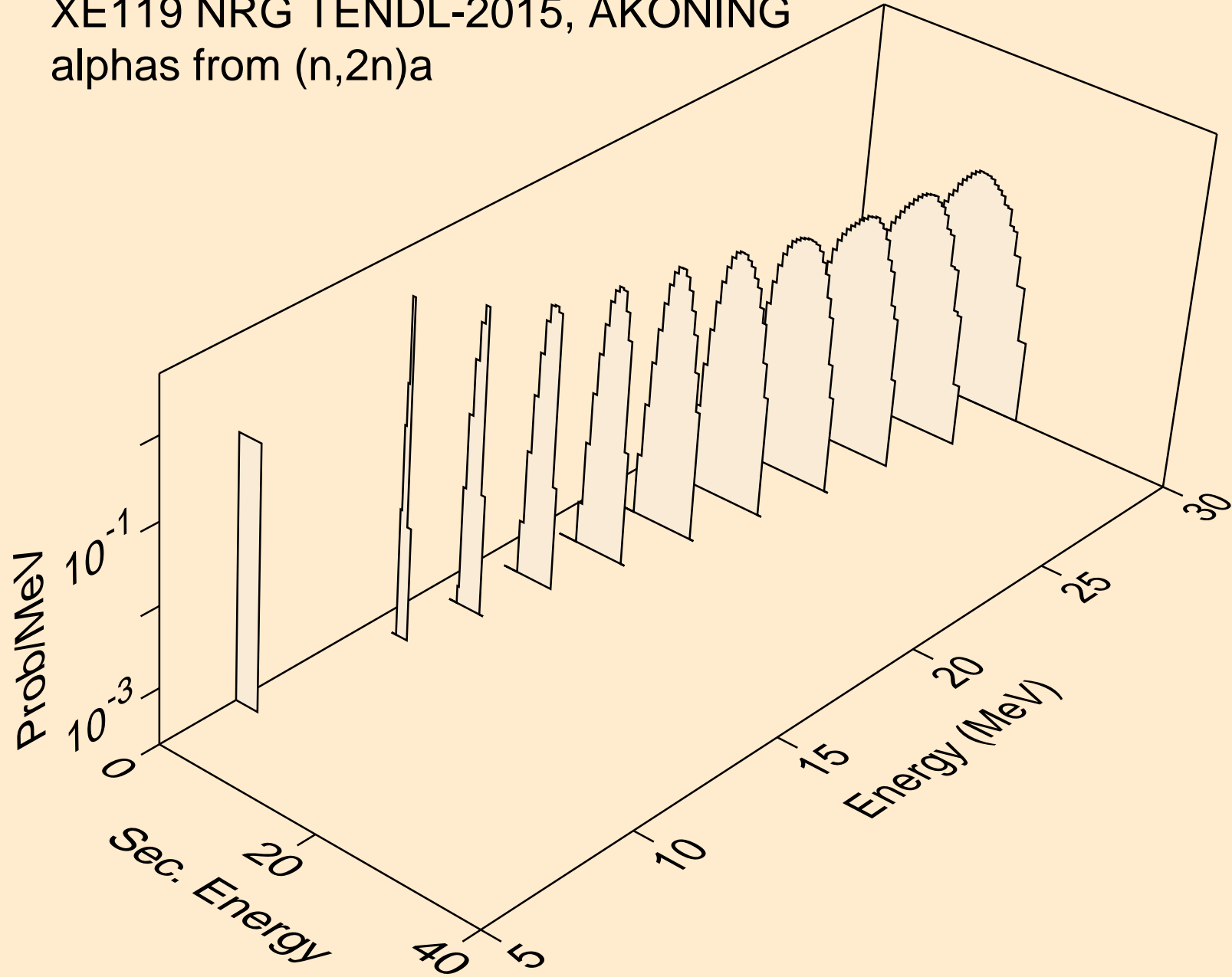
XE119 NRG TENDL-2015, AKONING  
alphas from (n,x)



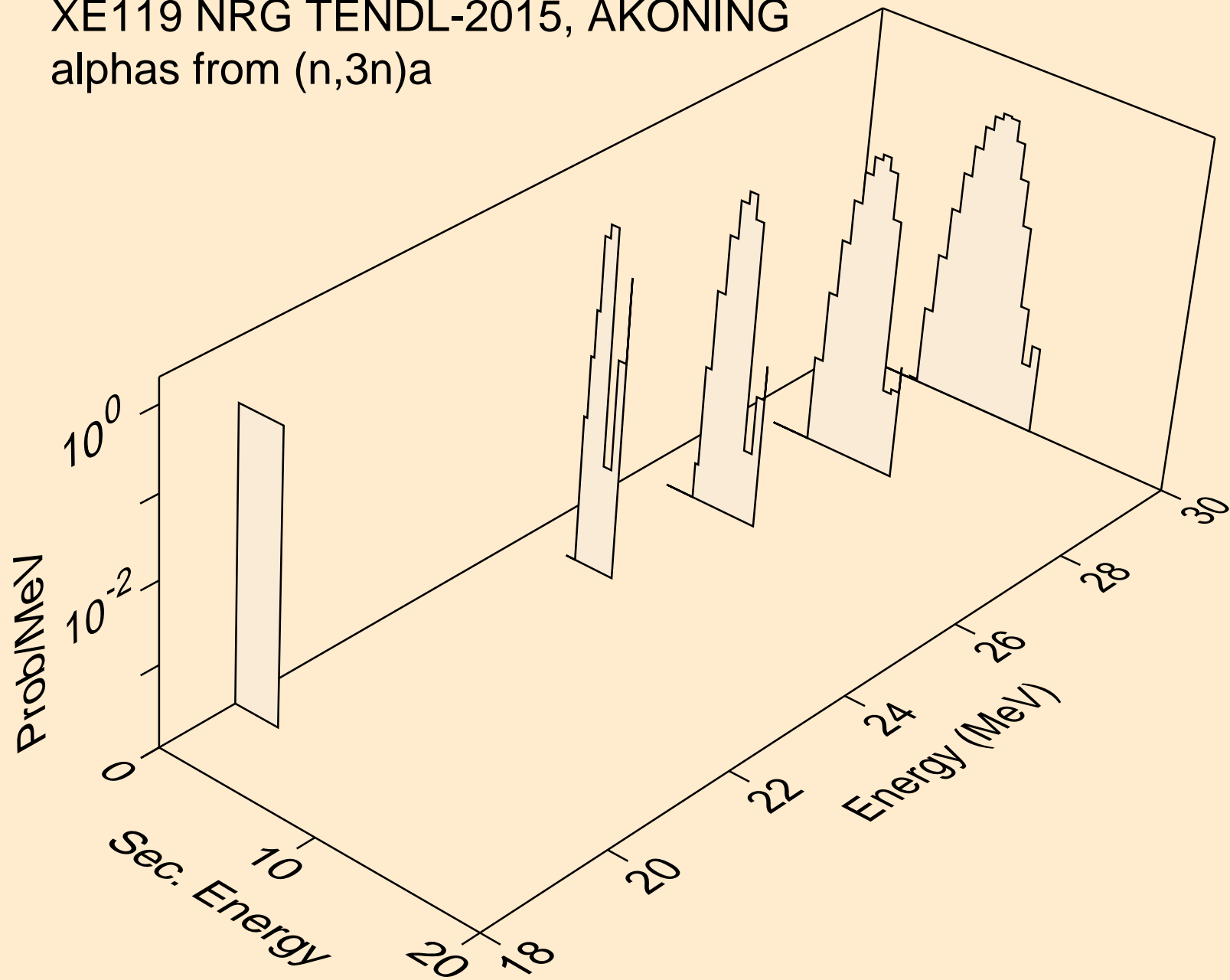
XE119 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



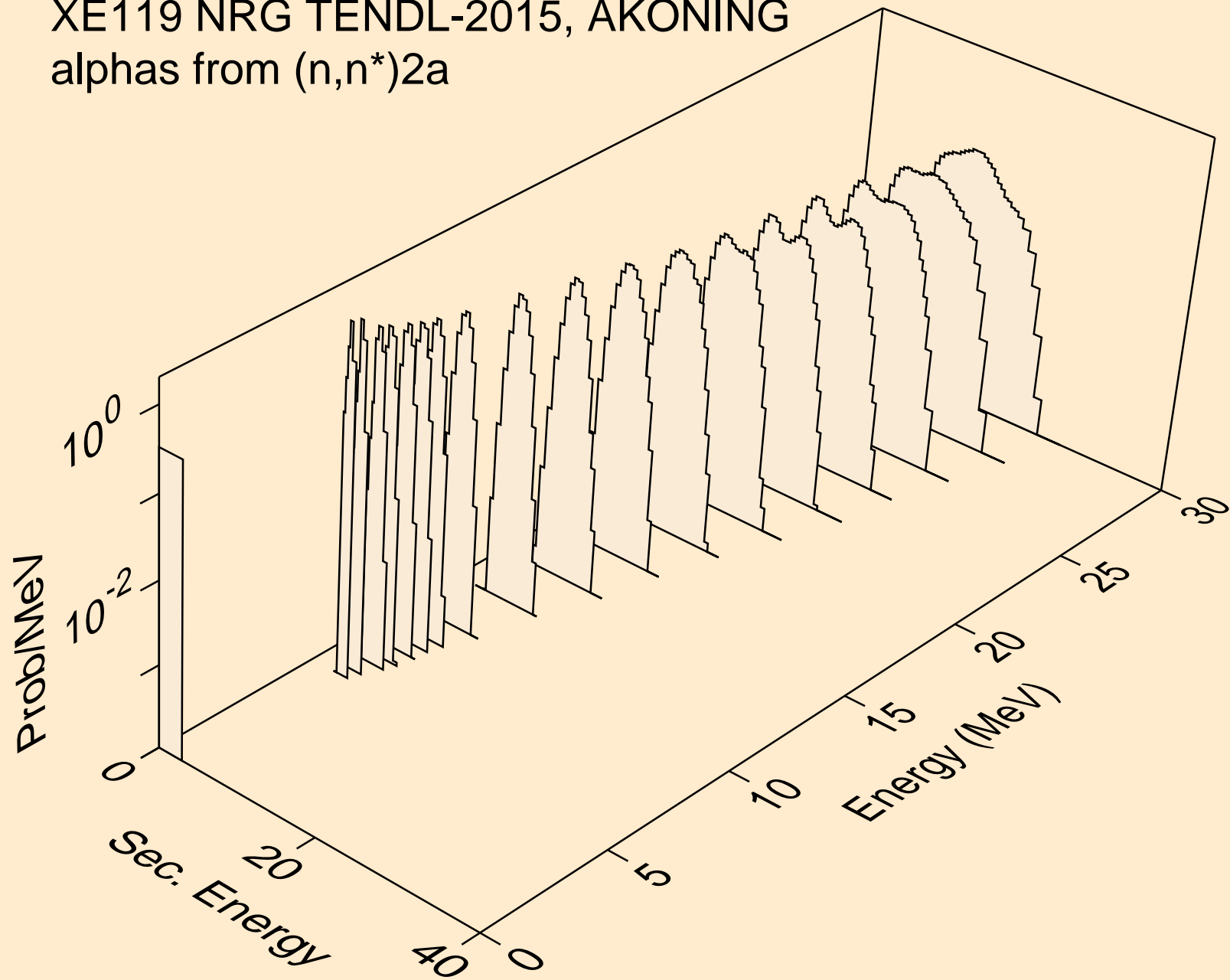
XE119 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



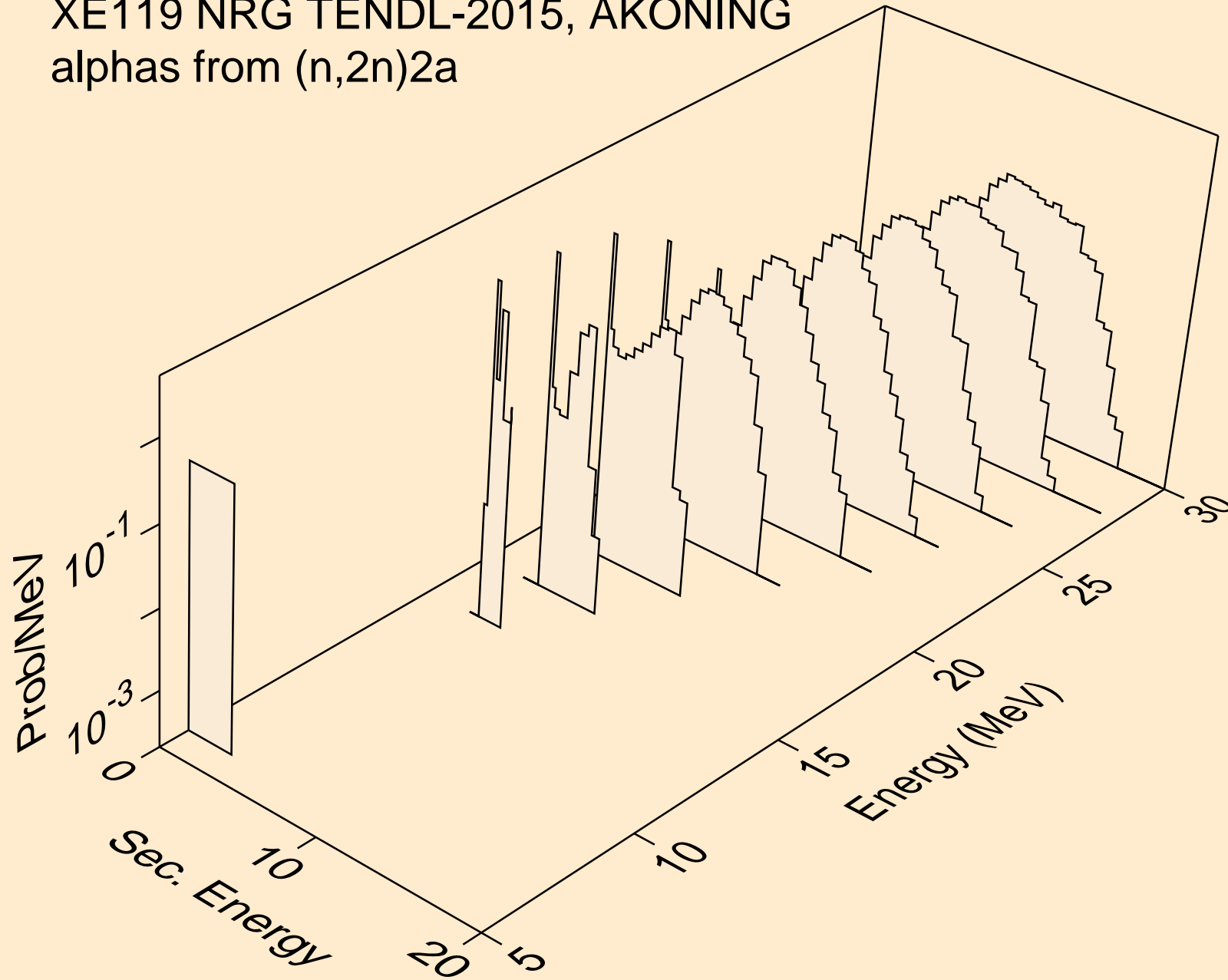
XE119 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



XE119 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

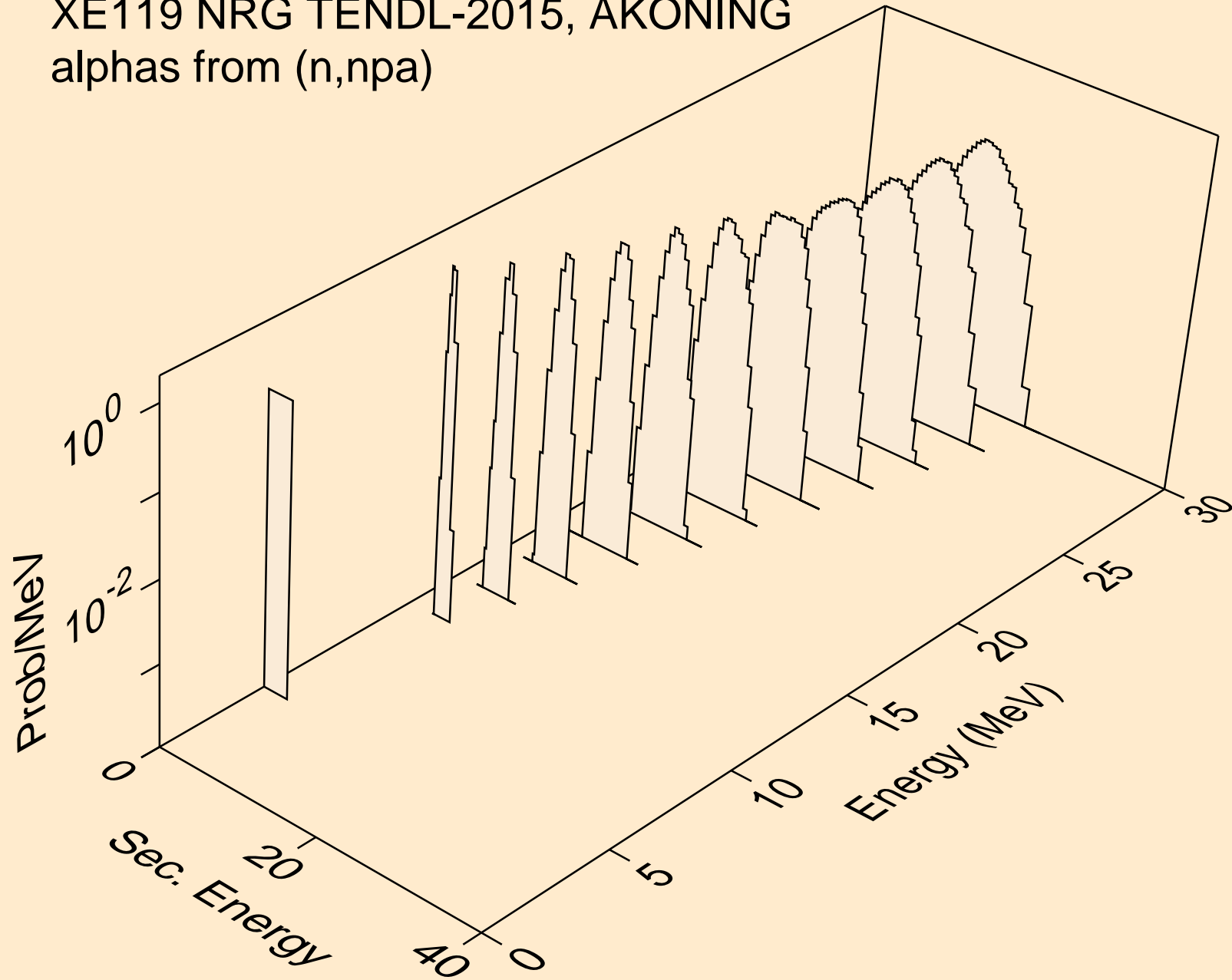


XE119 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

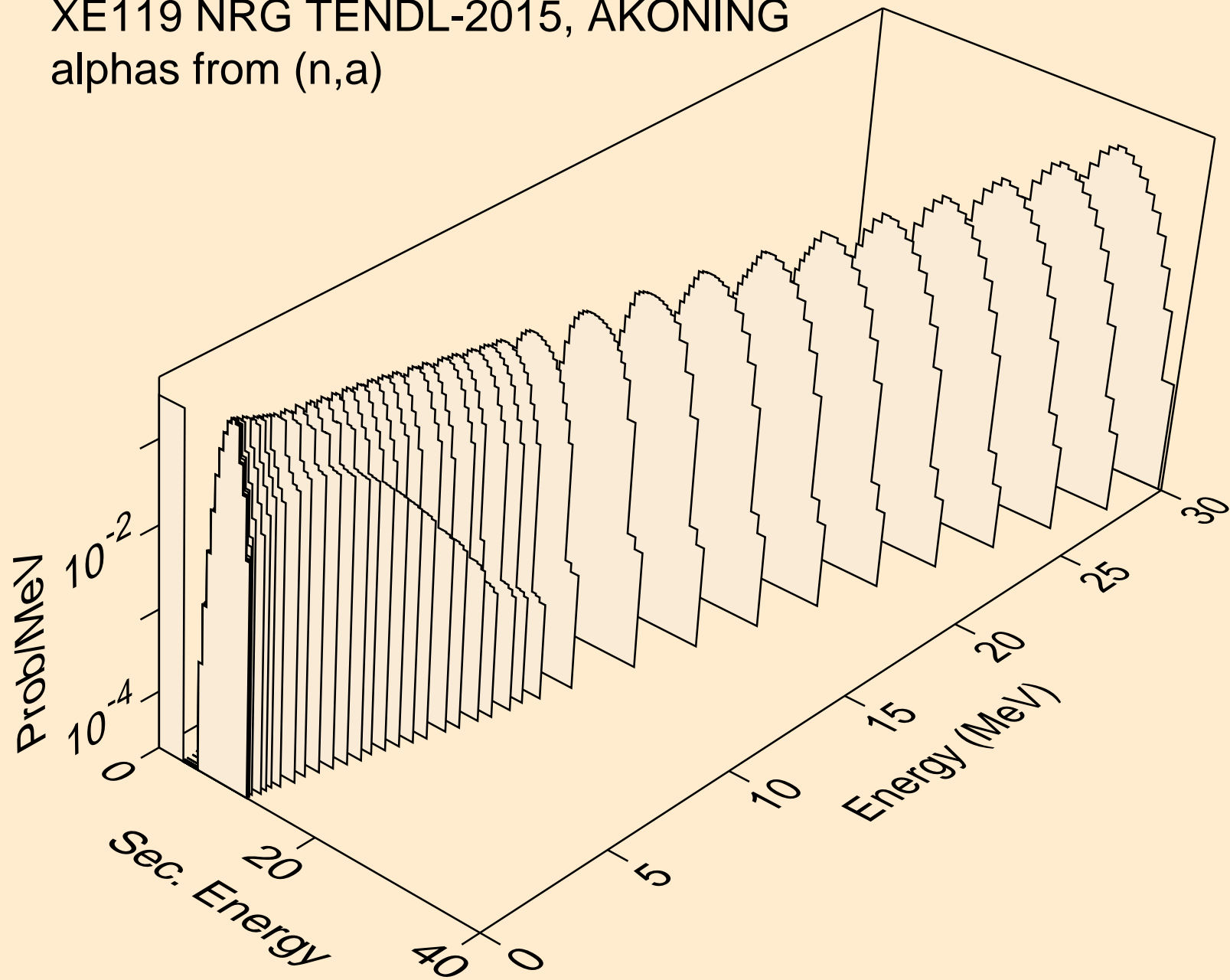




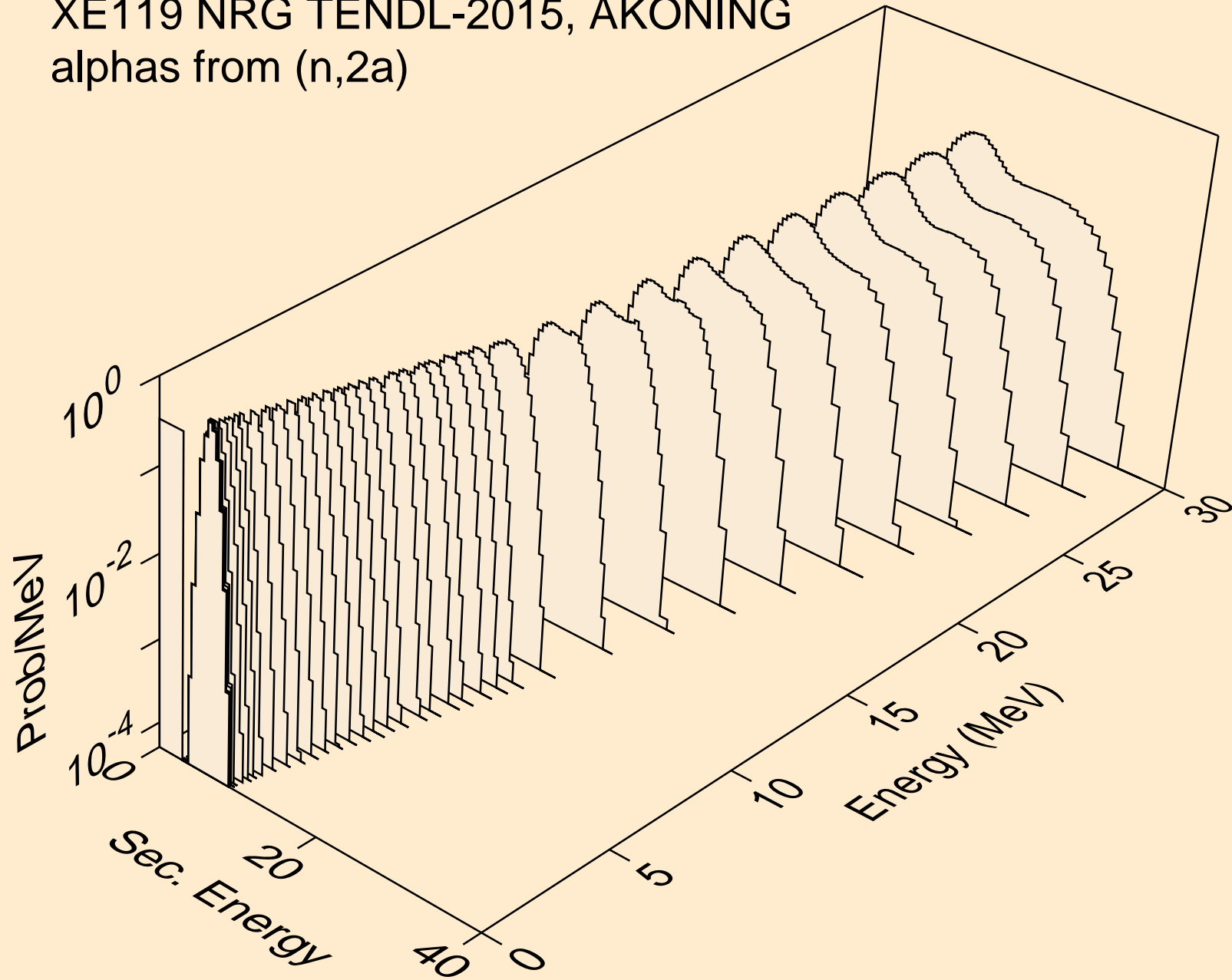
XE119 NRG TENDL-2015, AKONING  
alphas from (n,npa)



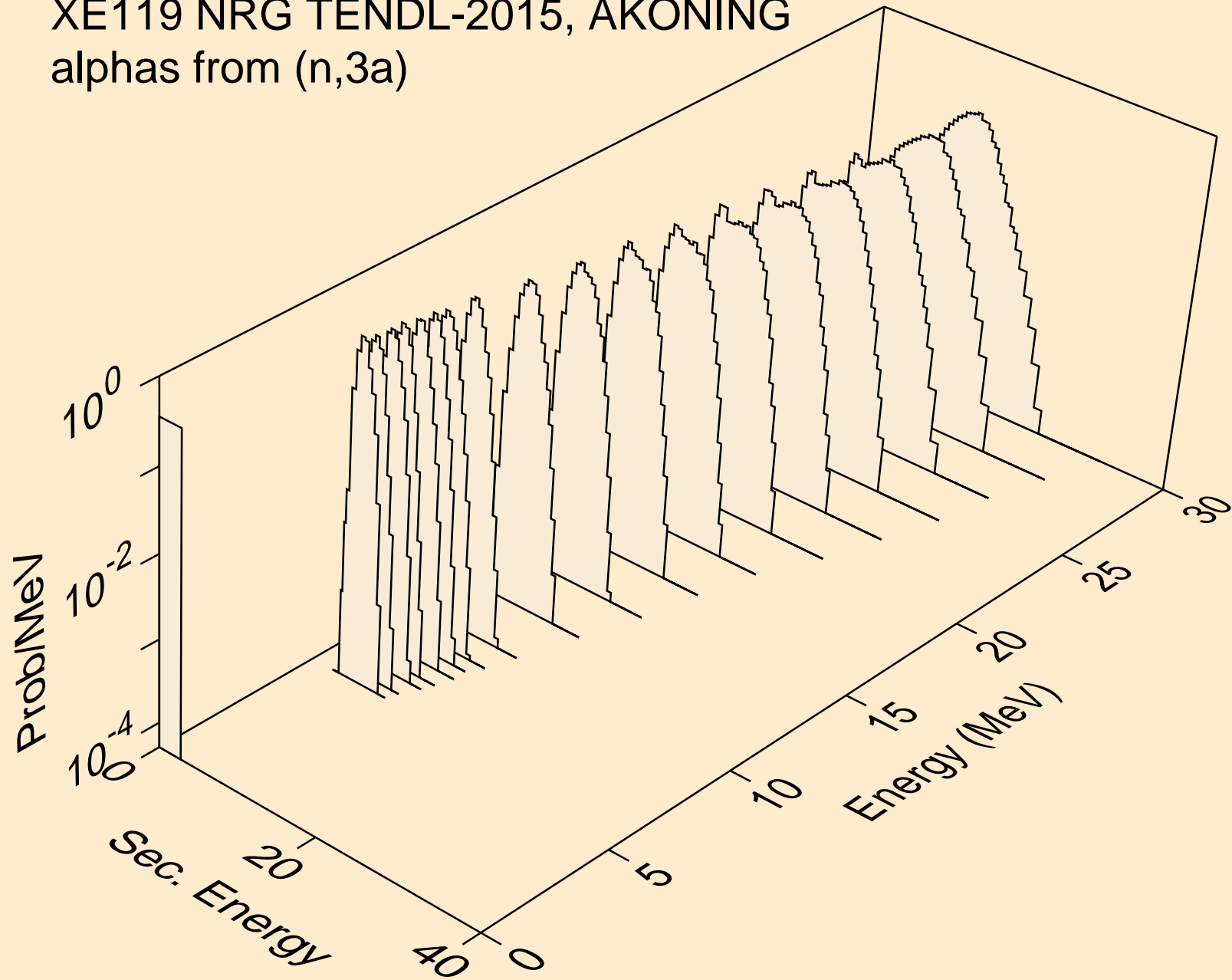
XE119 NRG TENDL-2015, AKONING  
alphas from (n,a)



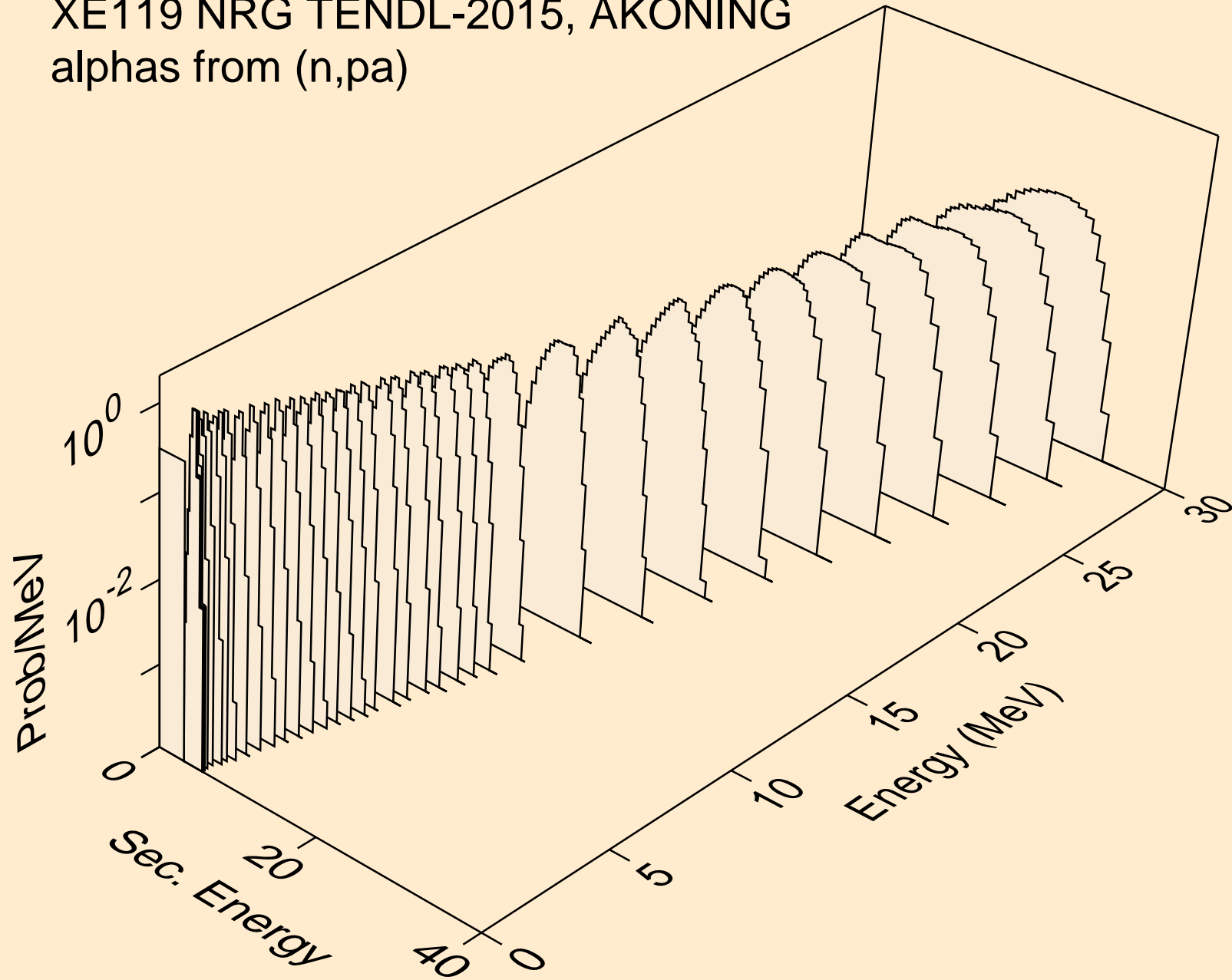
XE119 NRG TENDL-2015, AKONING  
alphas from (n,2a)



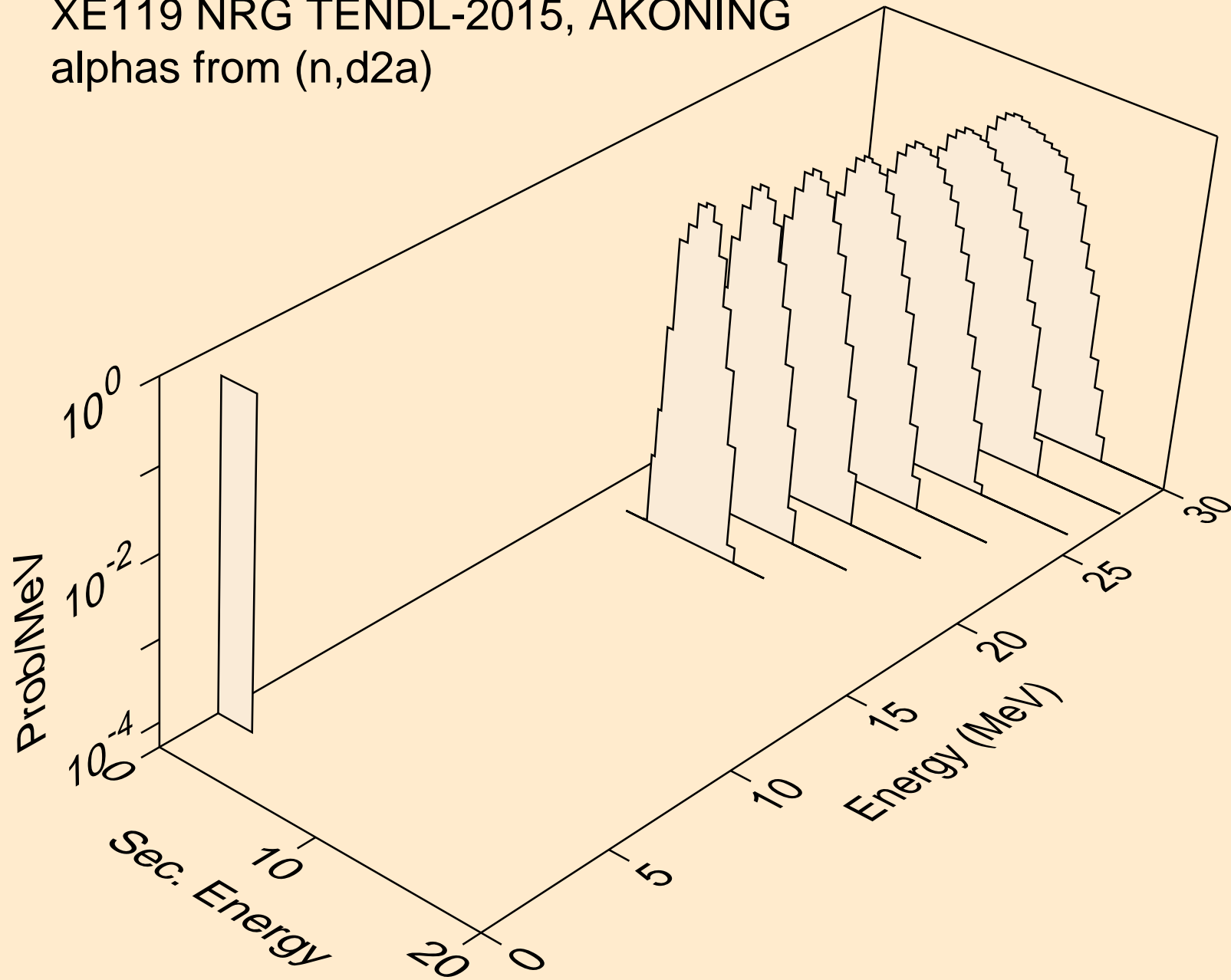
XE119 NRG TENDL-2015, AKONING  
alphas from (n,3a)



XE119 NRG TENDL-2015, AKONING  
alphas from (n,pa)



XE119 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



XE119 NRG TENDL-2015, AKONING  
alphas from (n,da)

