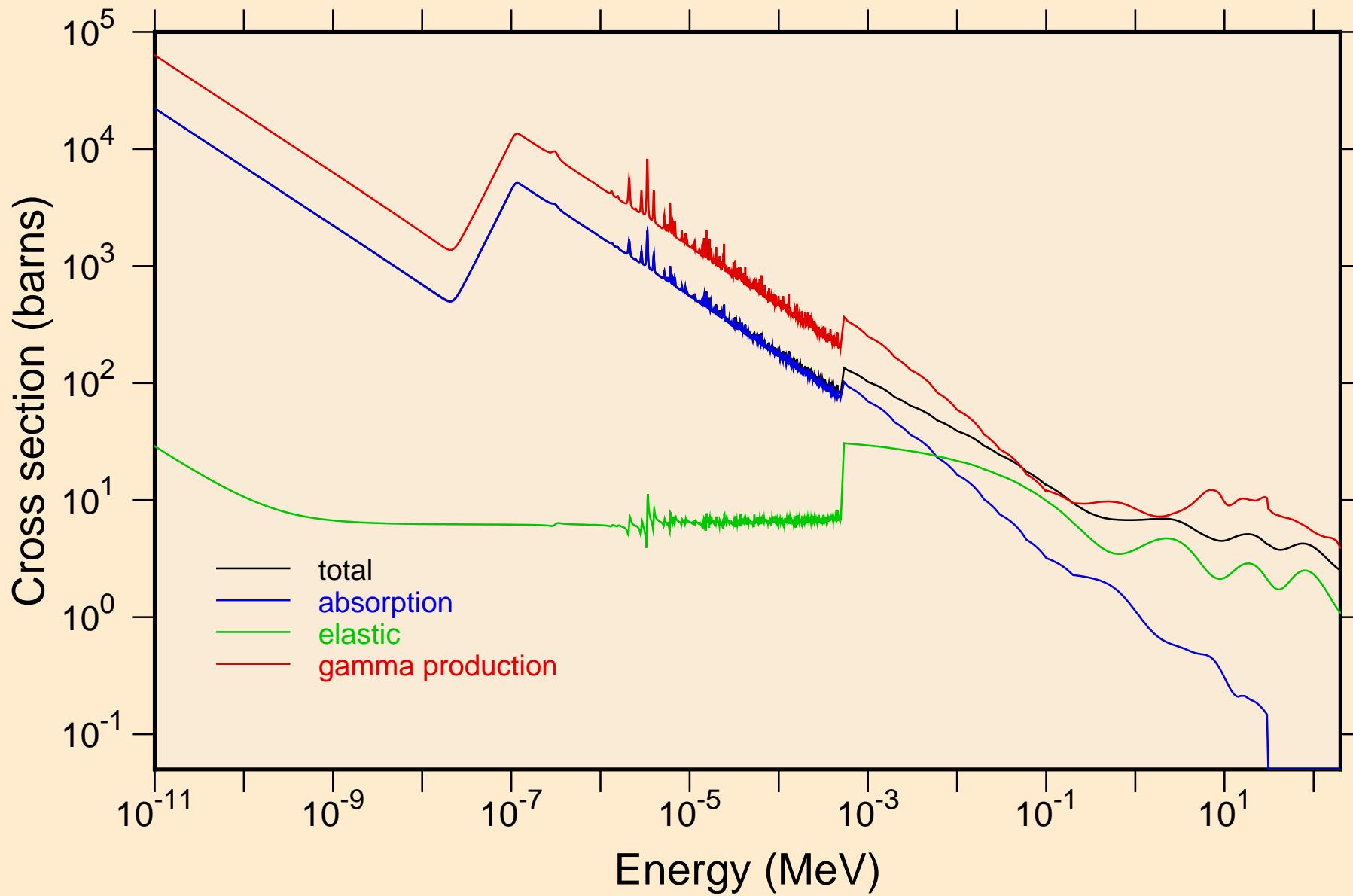
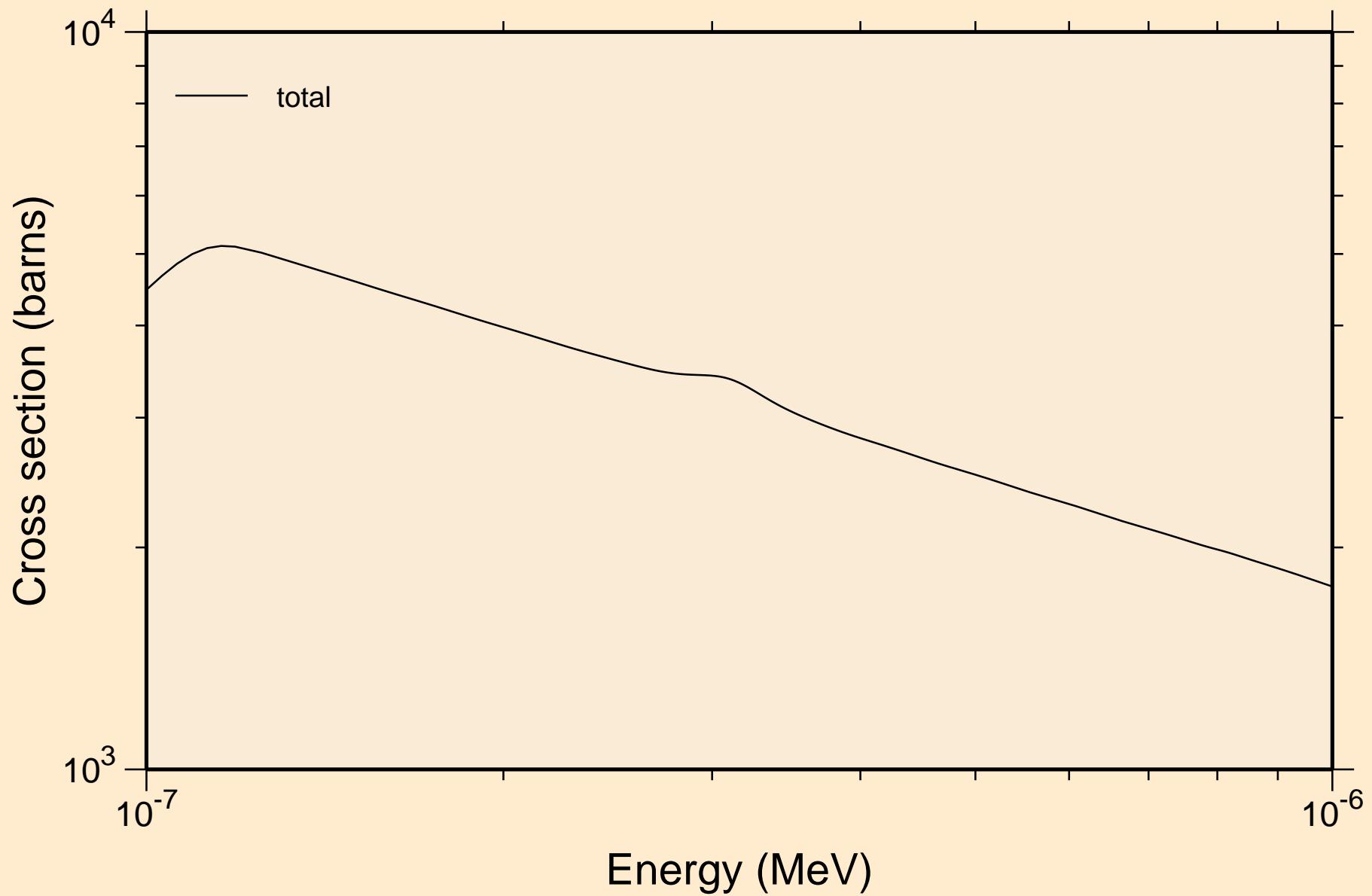


# LU160M NRG TENDL-2015, AKONING

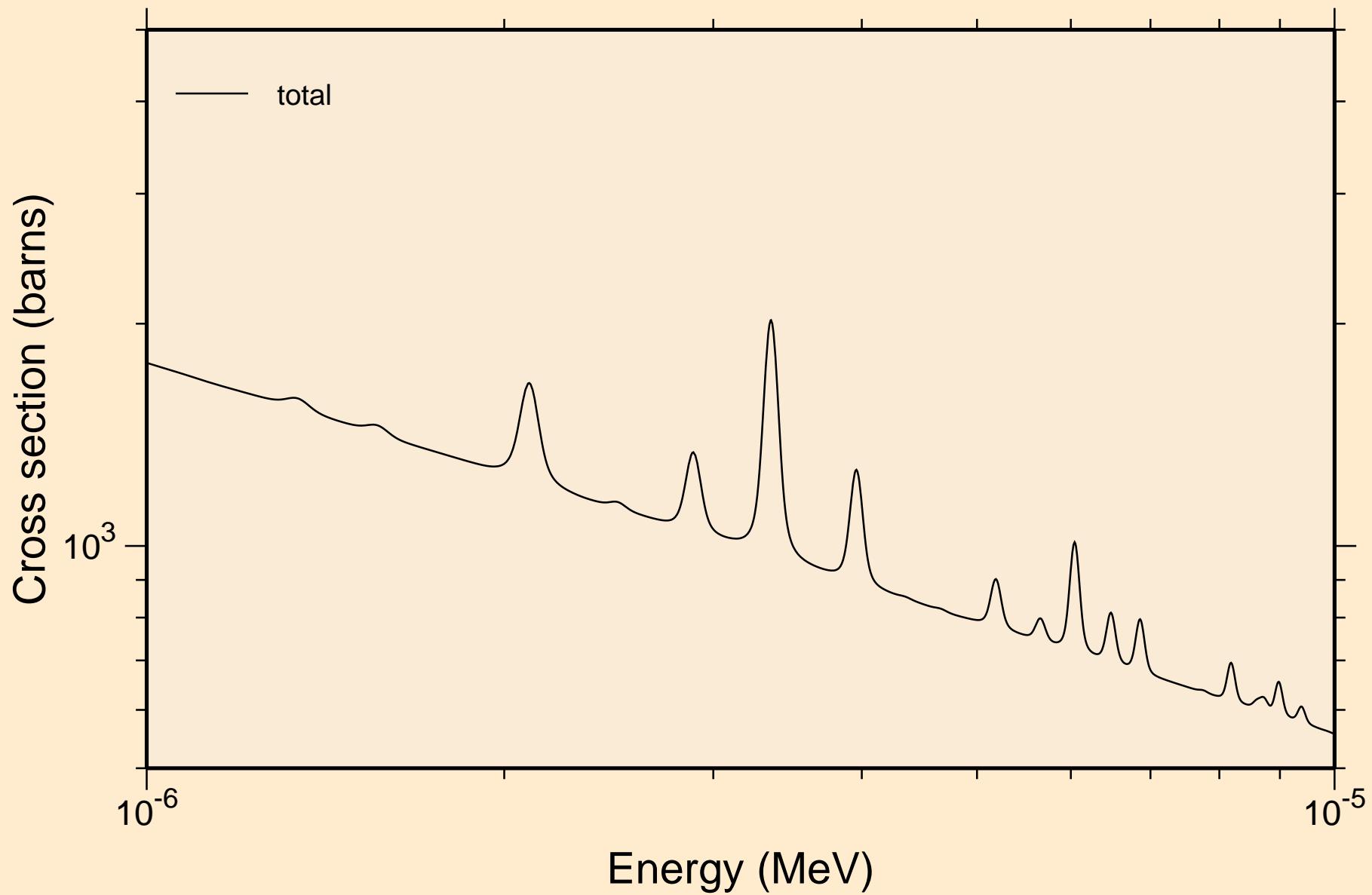
## Principal cross sections



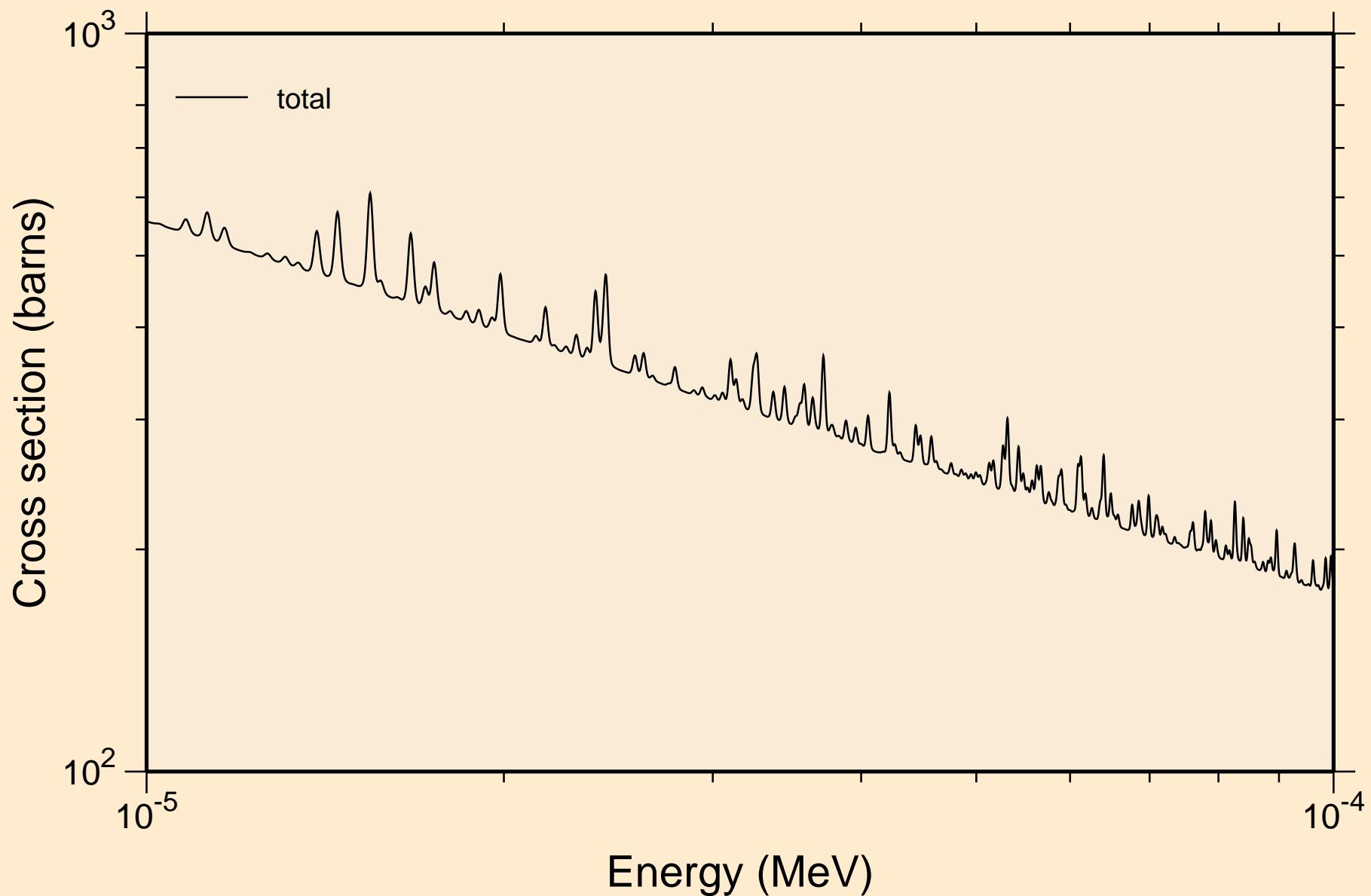
LU160M NRG TENDL-2015, AKONING  
resonance total cross section



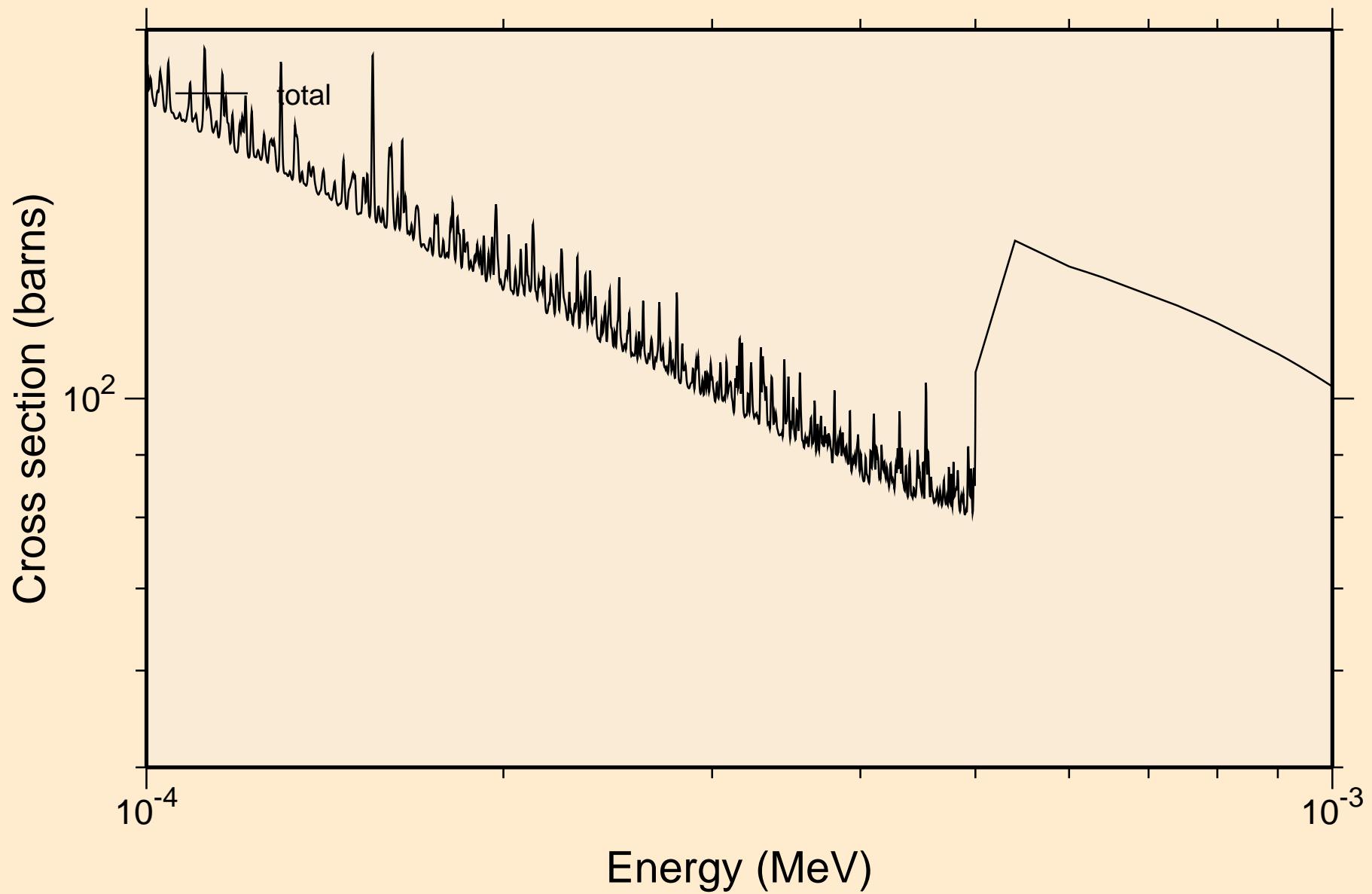
LU160M NRG TENDL-2015, AKONING  
resonance total cross section



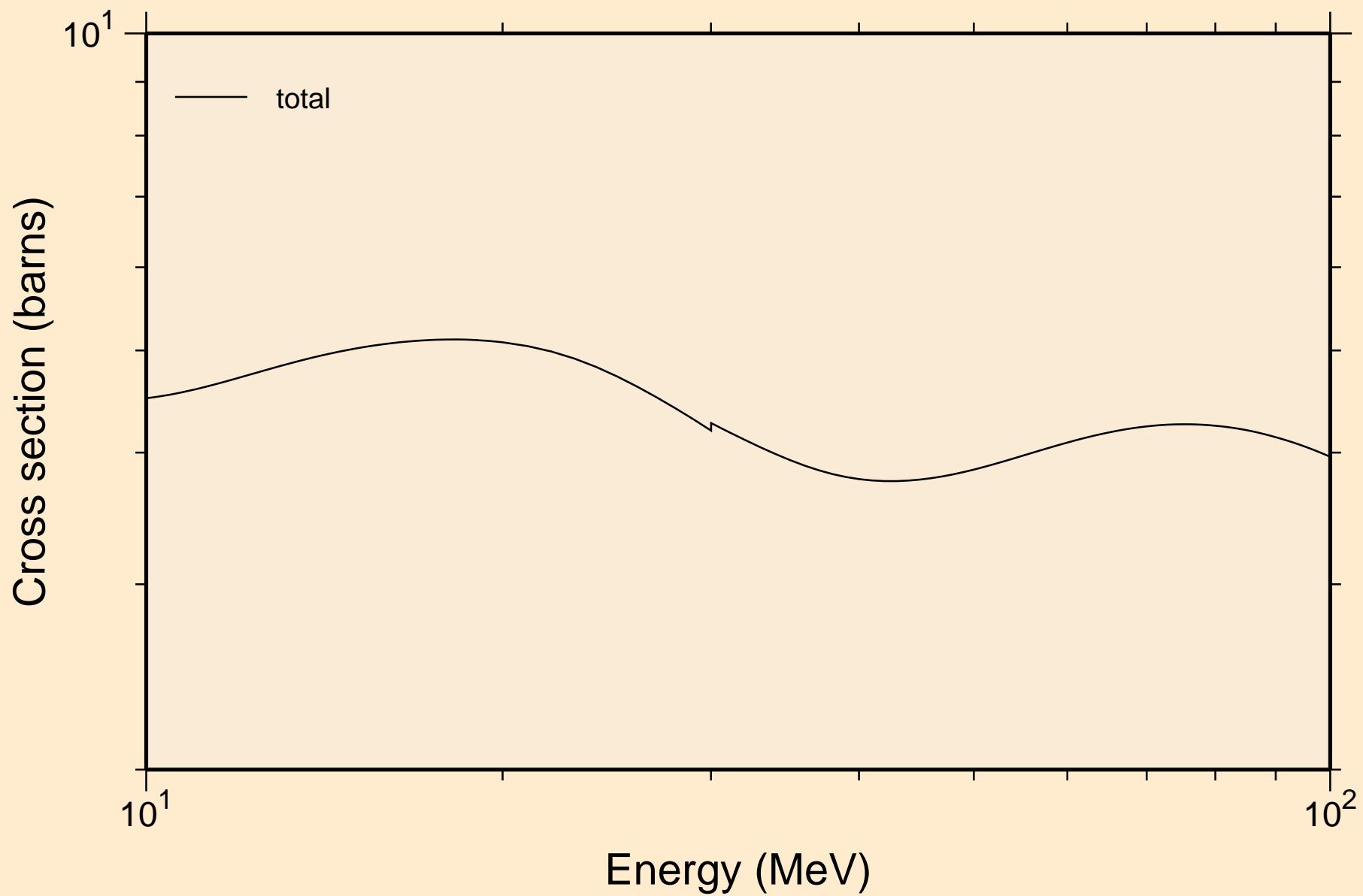
LU160M NRG TENDL-2015, AKONING  
resonance total cross section



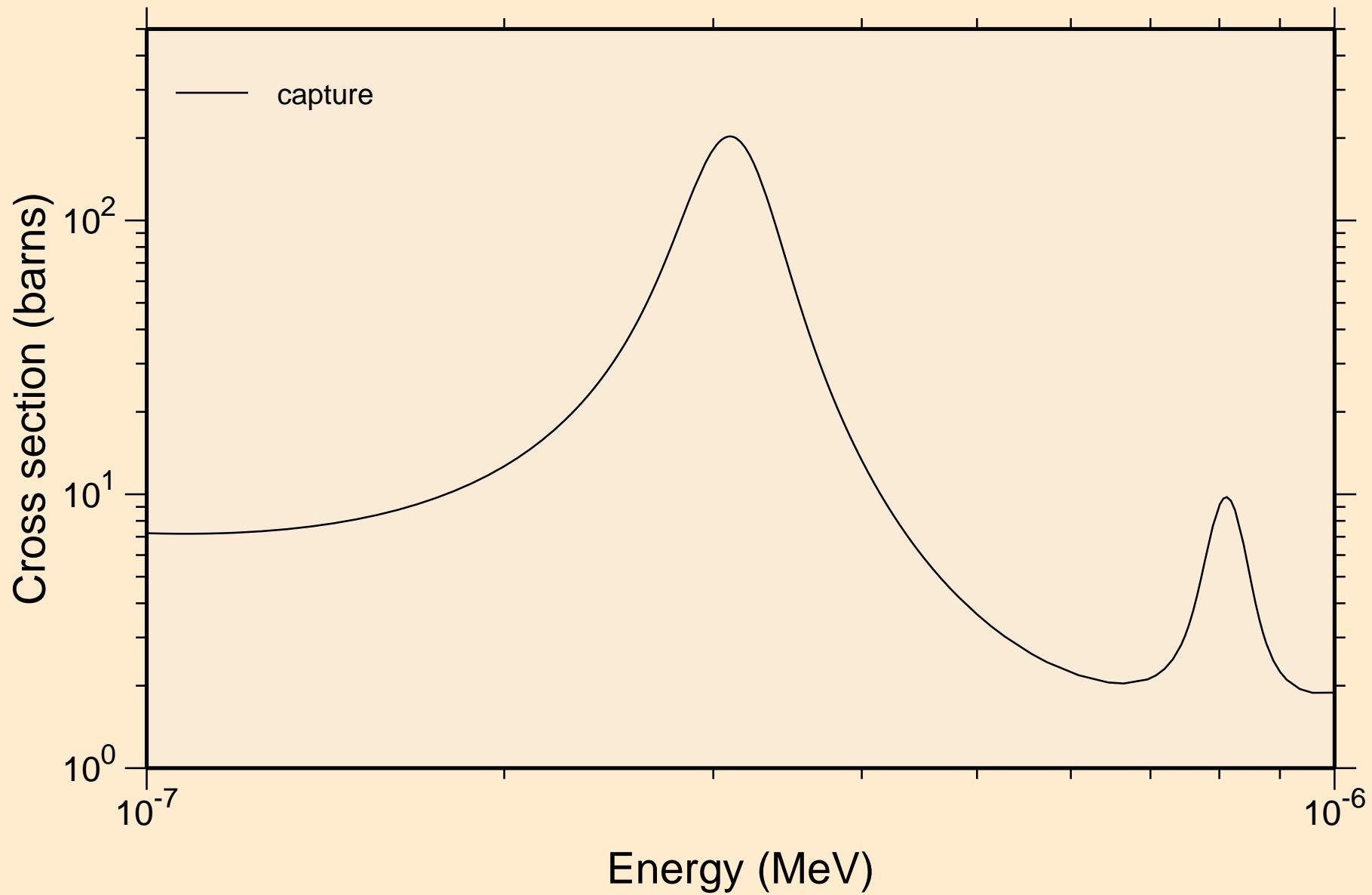
LU160M NRG TENDL-2015, AKONING  
resonance total cross section



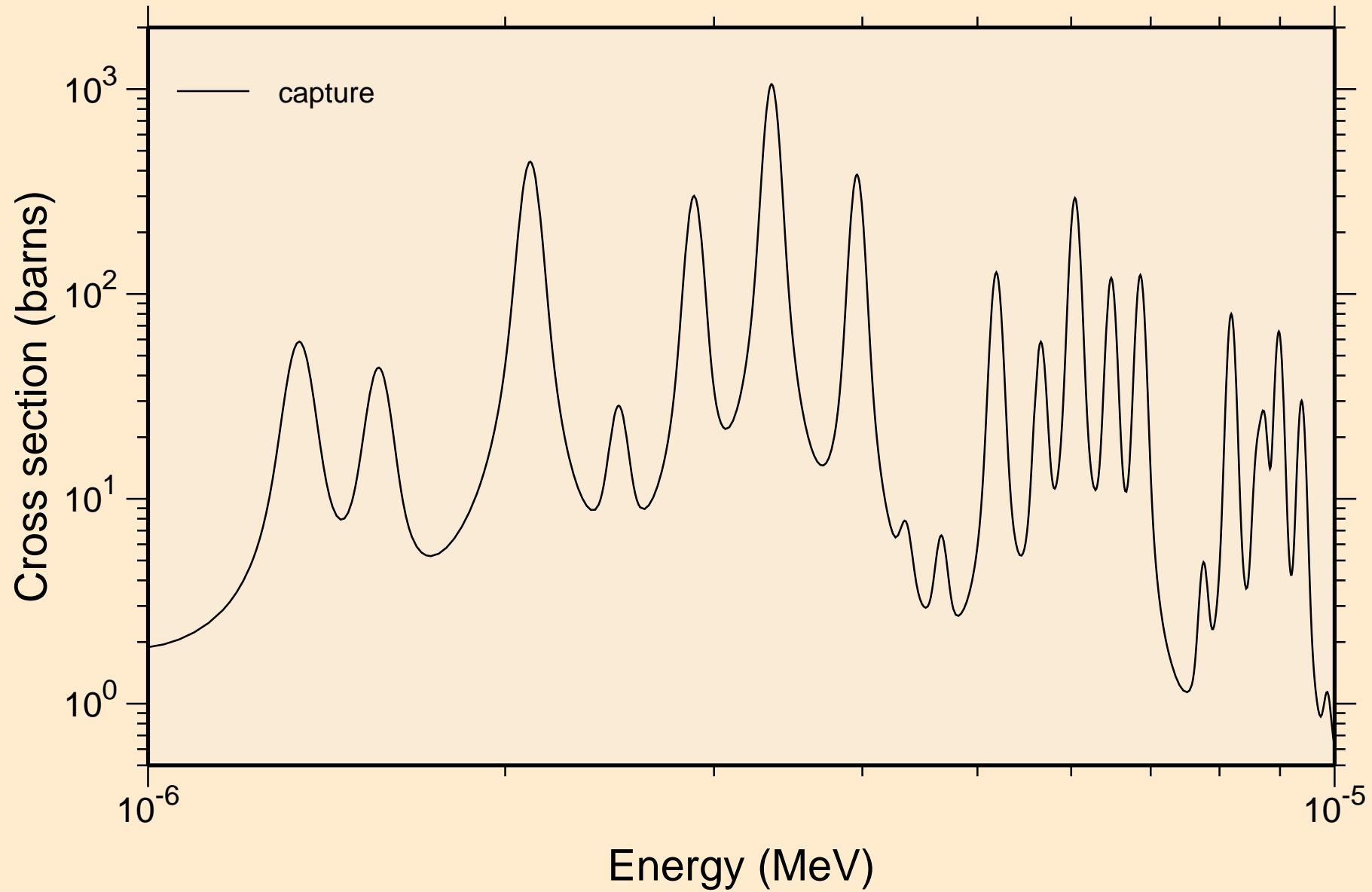
LU160M NRG TENDL-2015, AKONING  
resonance total cross section



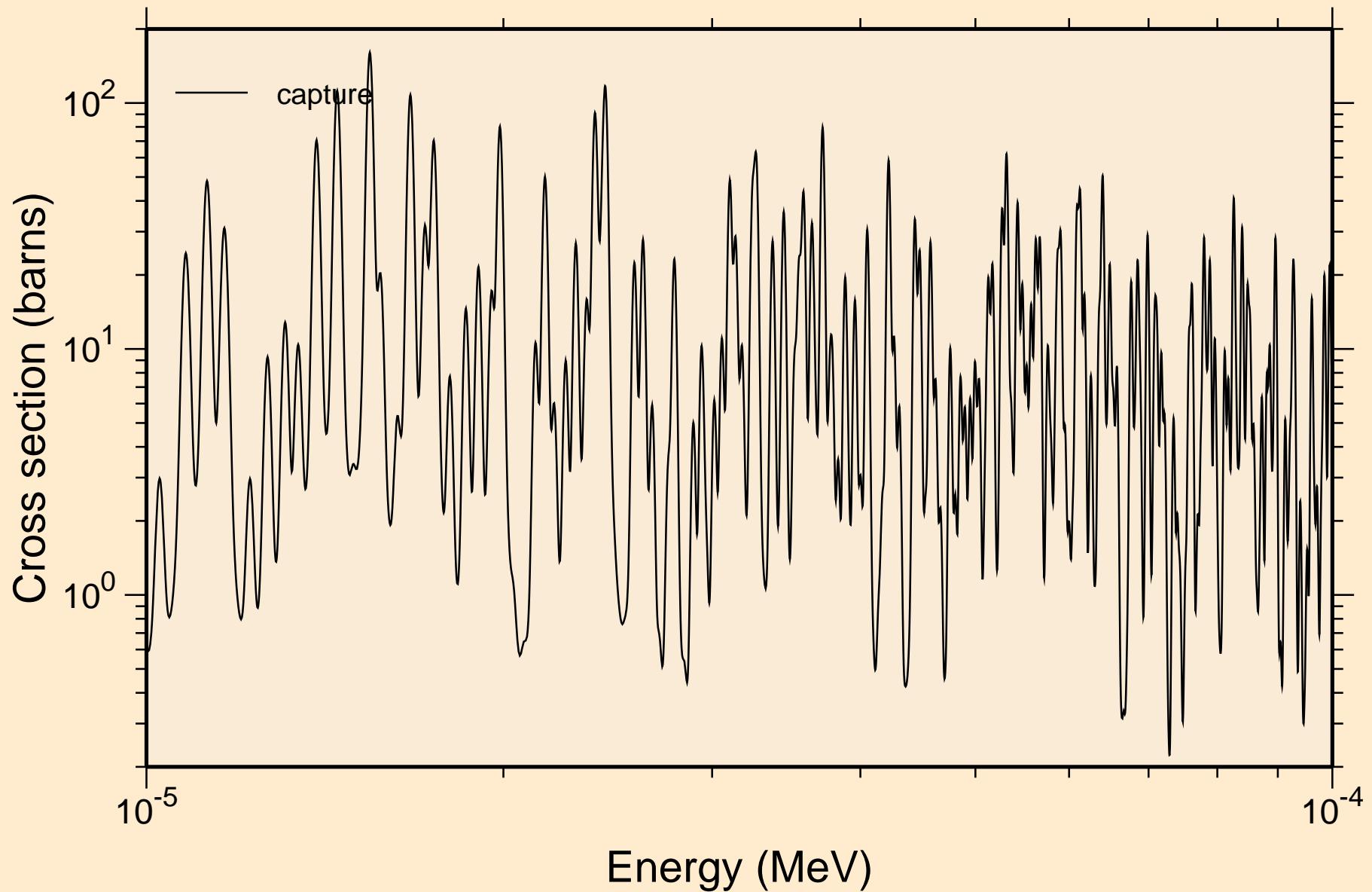
LU160M NRG TENDL-2015, AKONING  
resonance absorption cross sections



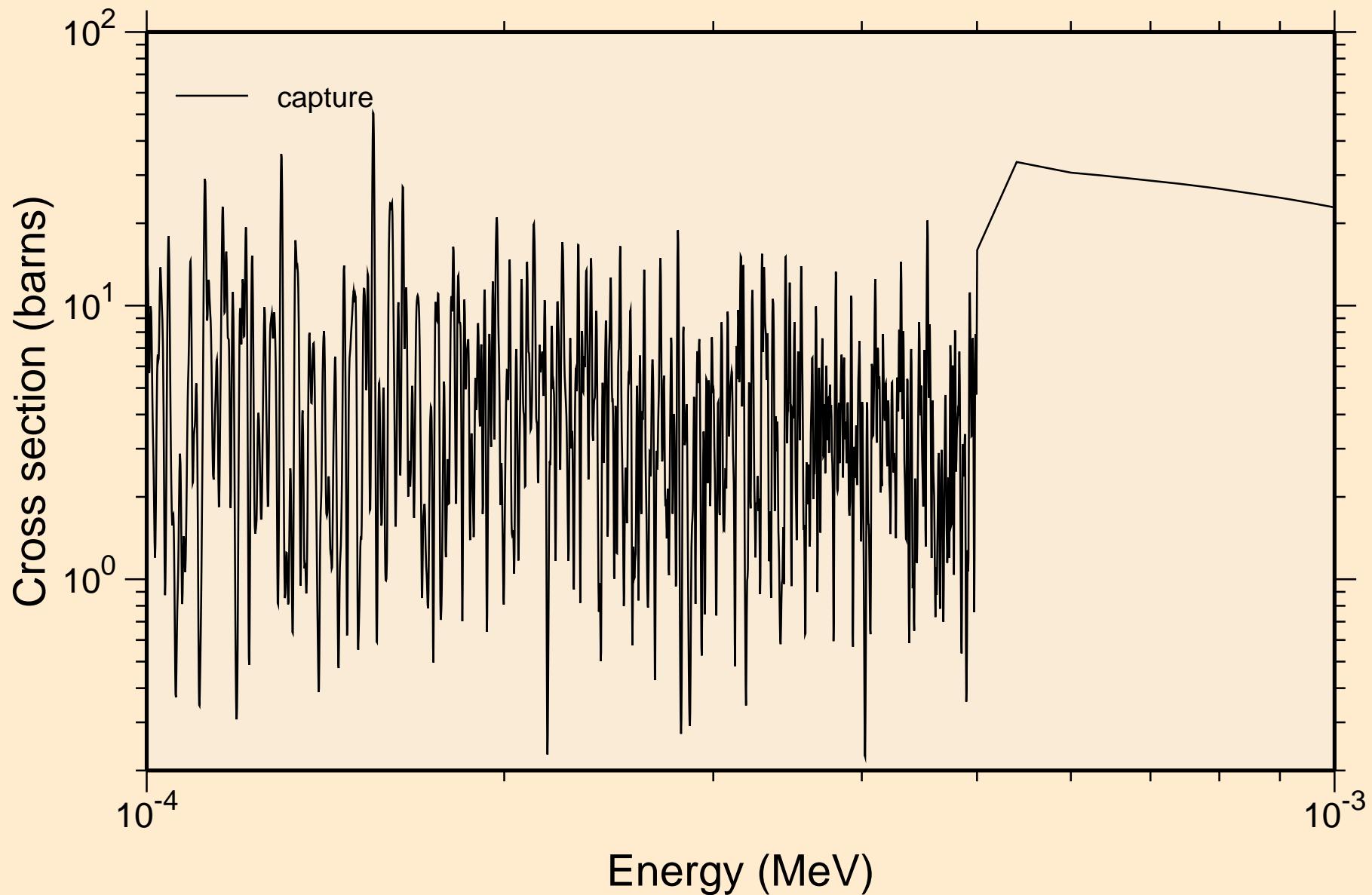
LU160M NRG TENDL-2015, AKONING  
resonance absorption cross sections



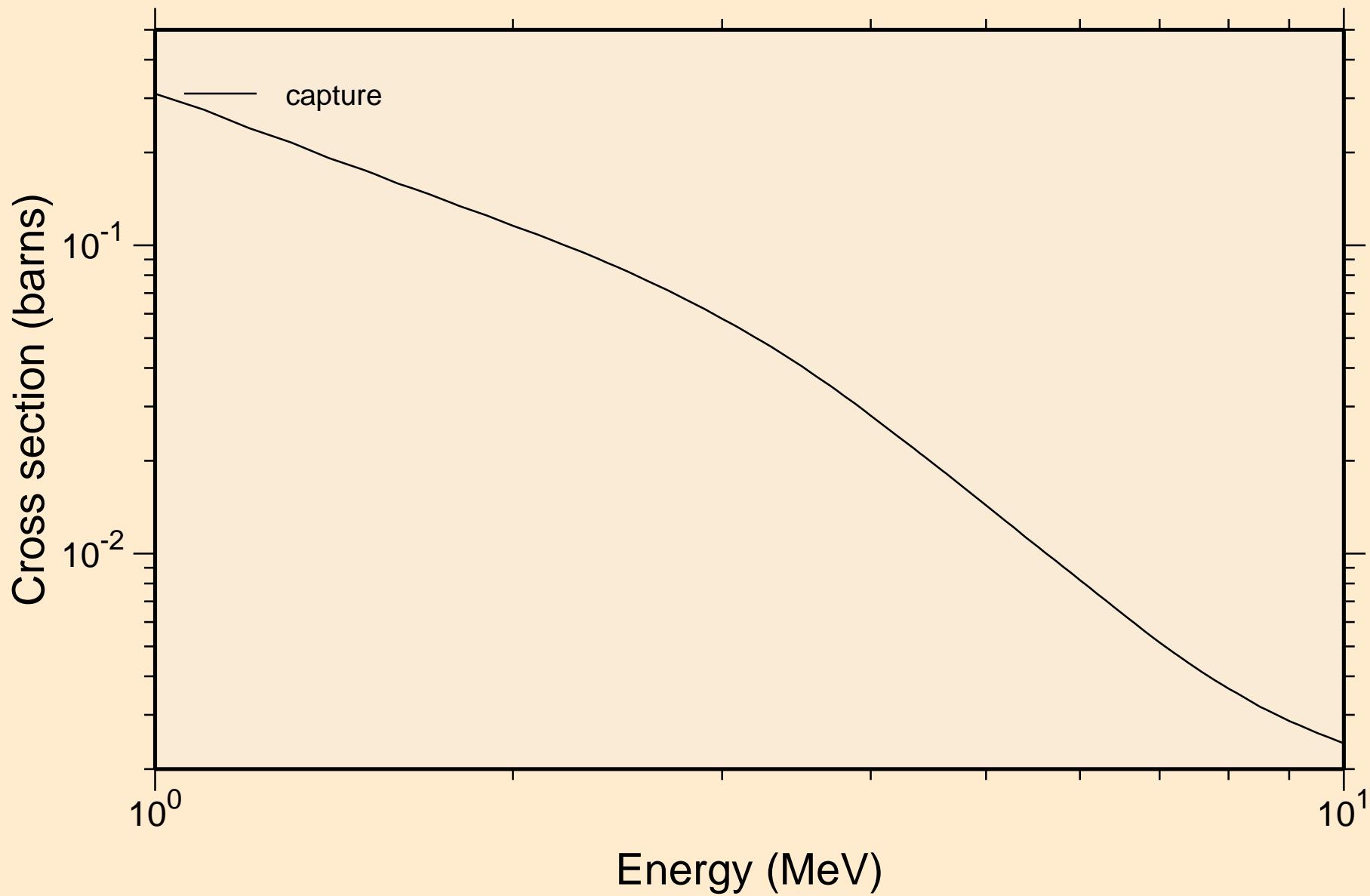
LU160M NRG TENDL-2015, AKONING  
resonance absorption cross sections



LU160M NRG TENDL-2015, AKONING  
resonance absorption cross sections

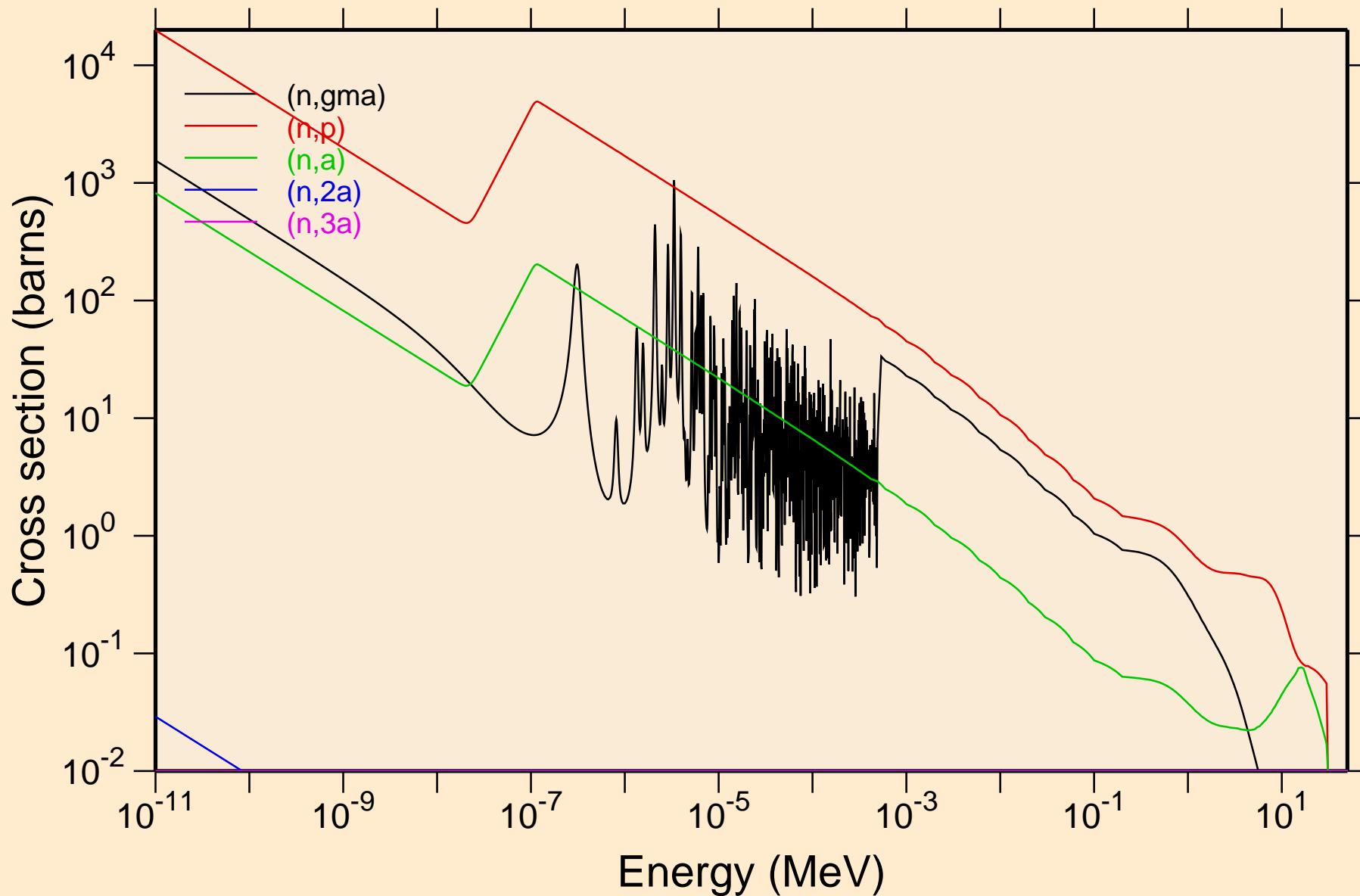


LU160M NRG TENDL-2015, AKONING  
resonance absorption cross sections

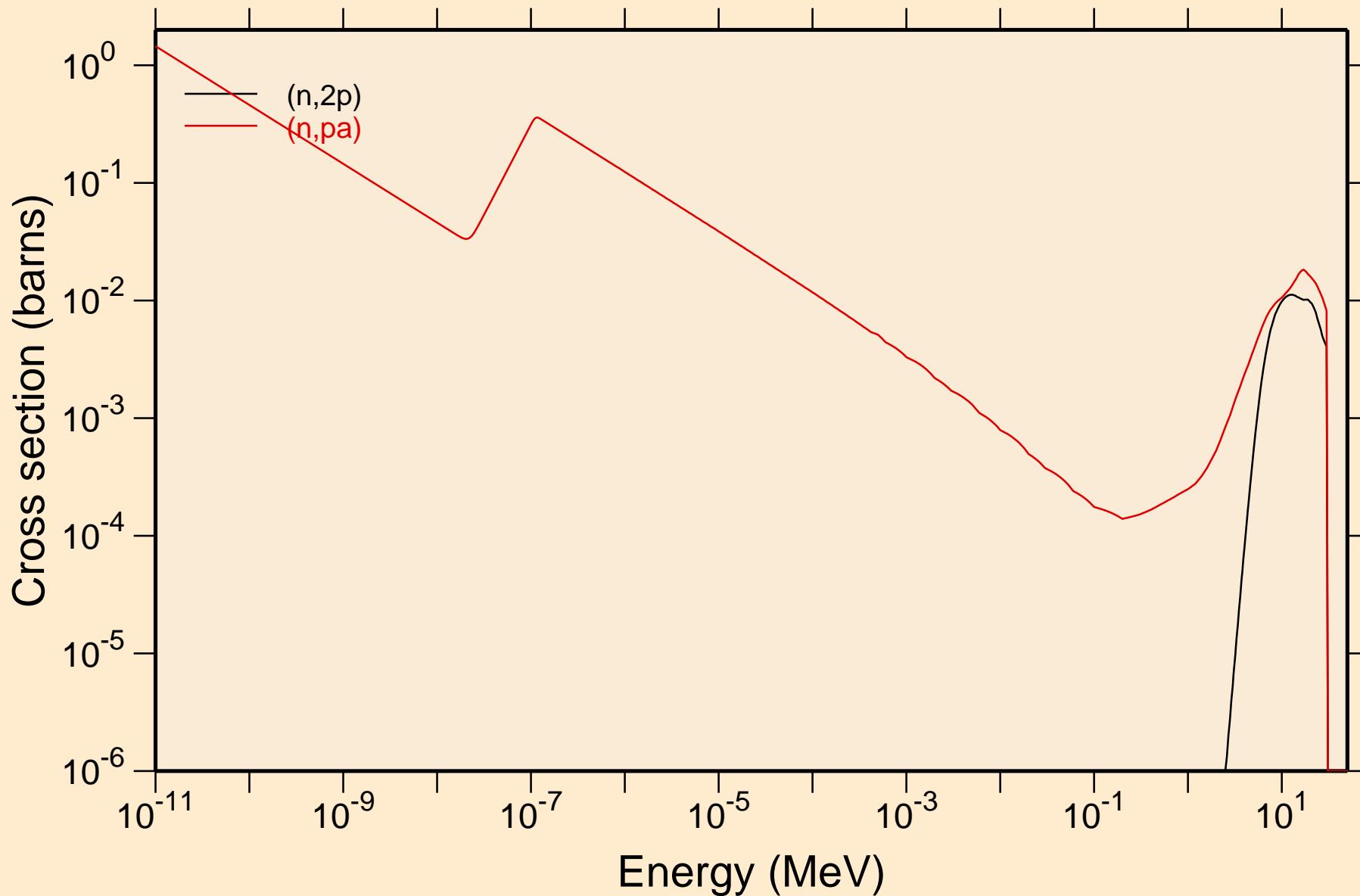


# LU160M NRG TENDL-2015, AKONING

## Non-threshold reactions

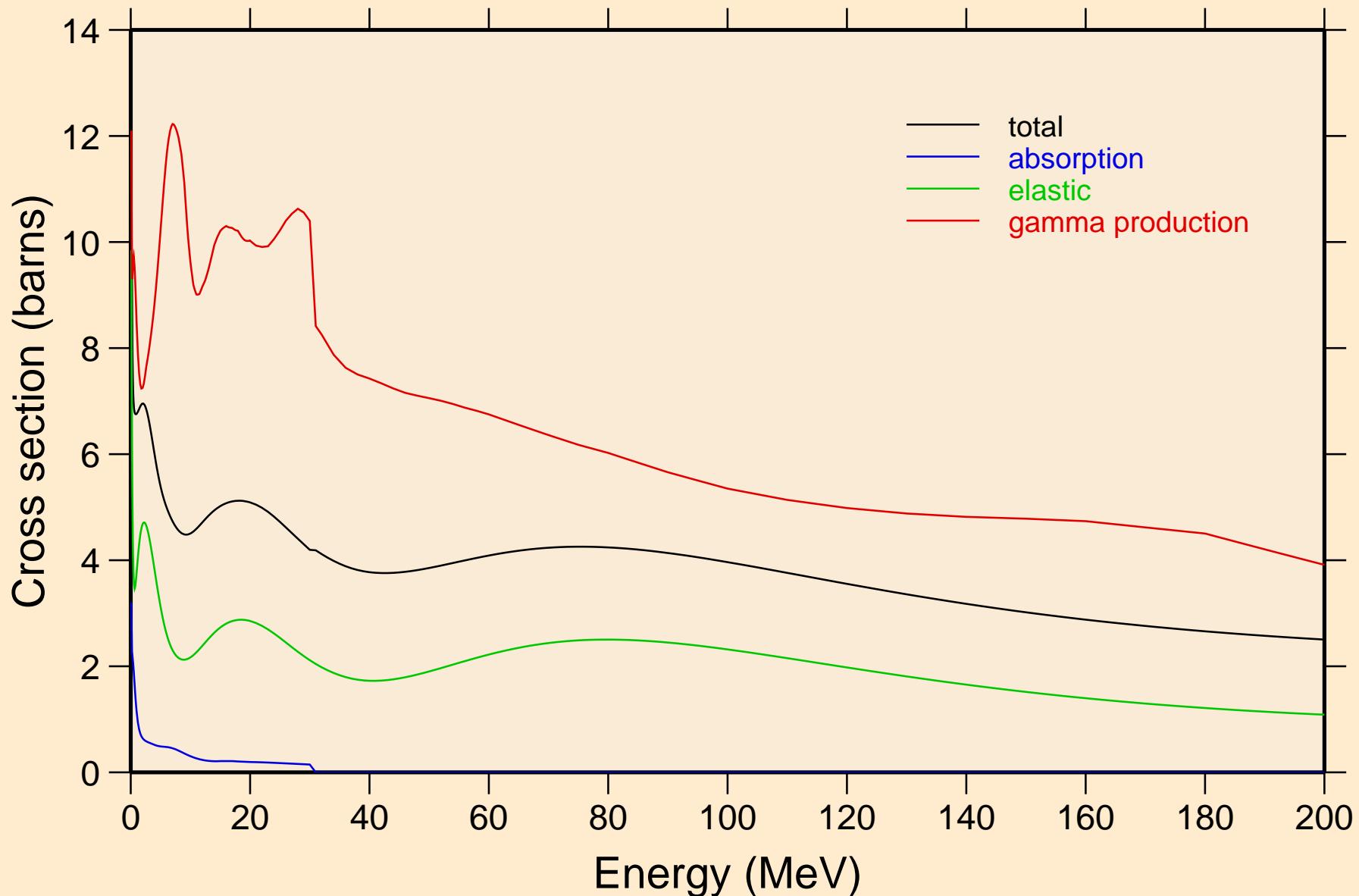


LU160M NRG TENDL-2015, AKONING  
Non-threshold reactions



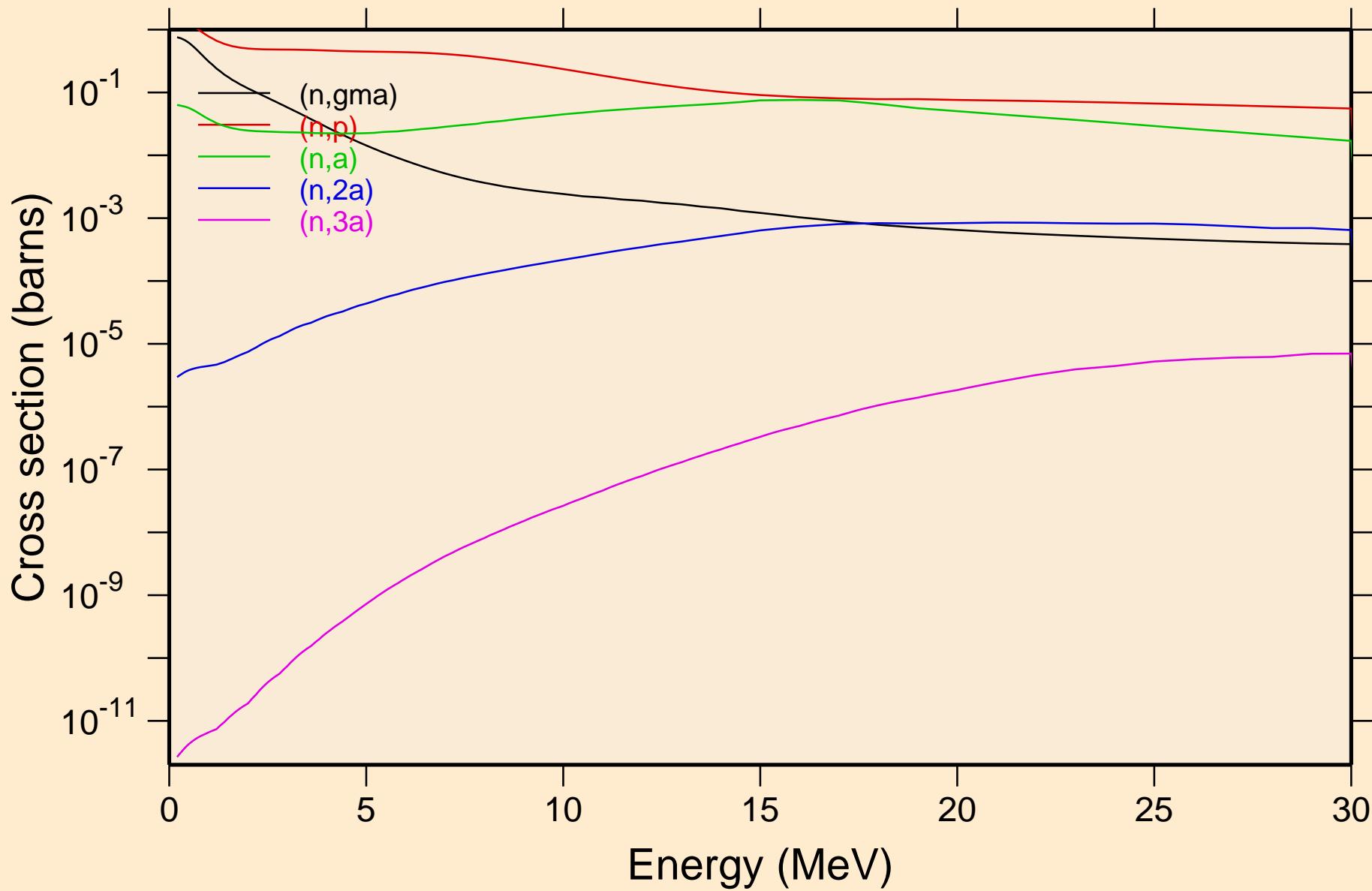
# LU160M NRG TENDL-2015, AKONING

## Principal cross sections

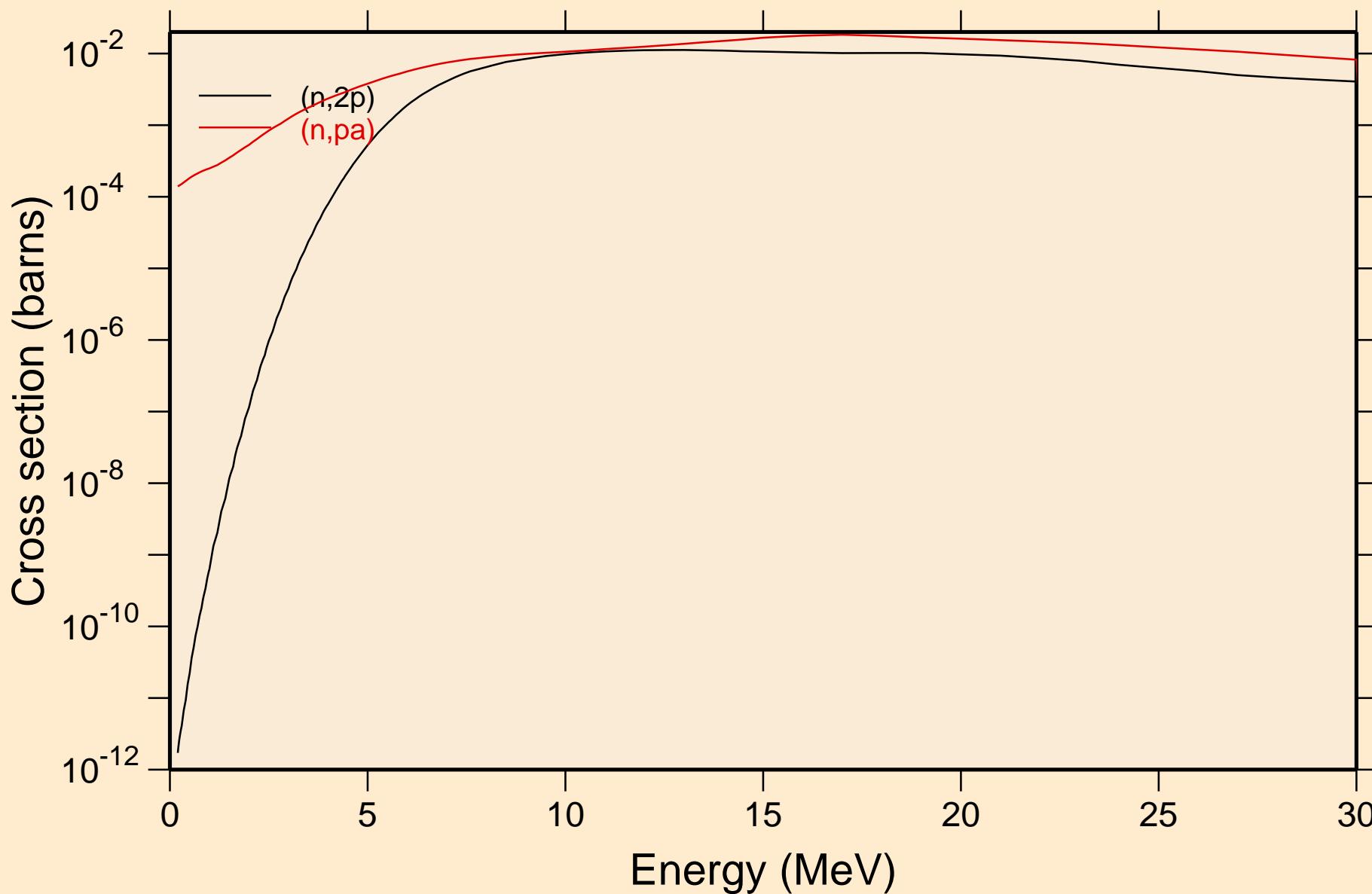


# LU160M NRG TENDL-2015, AKONING

## Non-threshold reactions

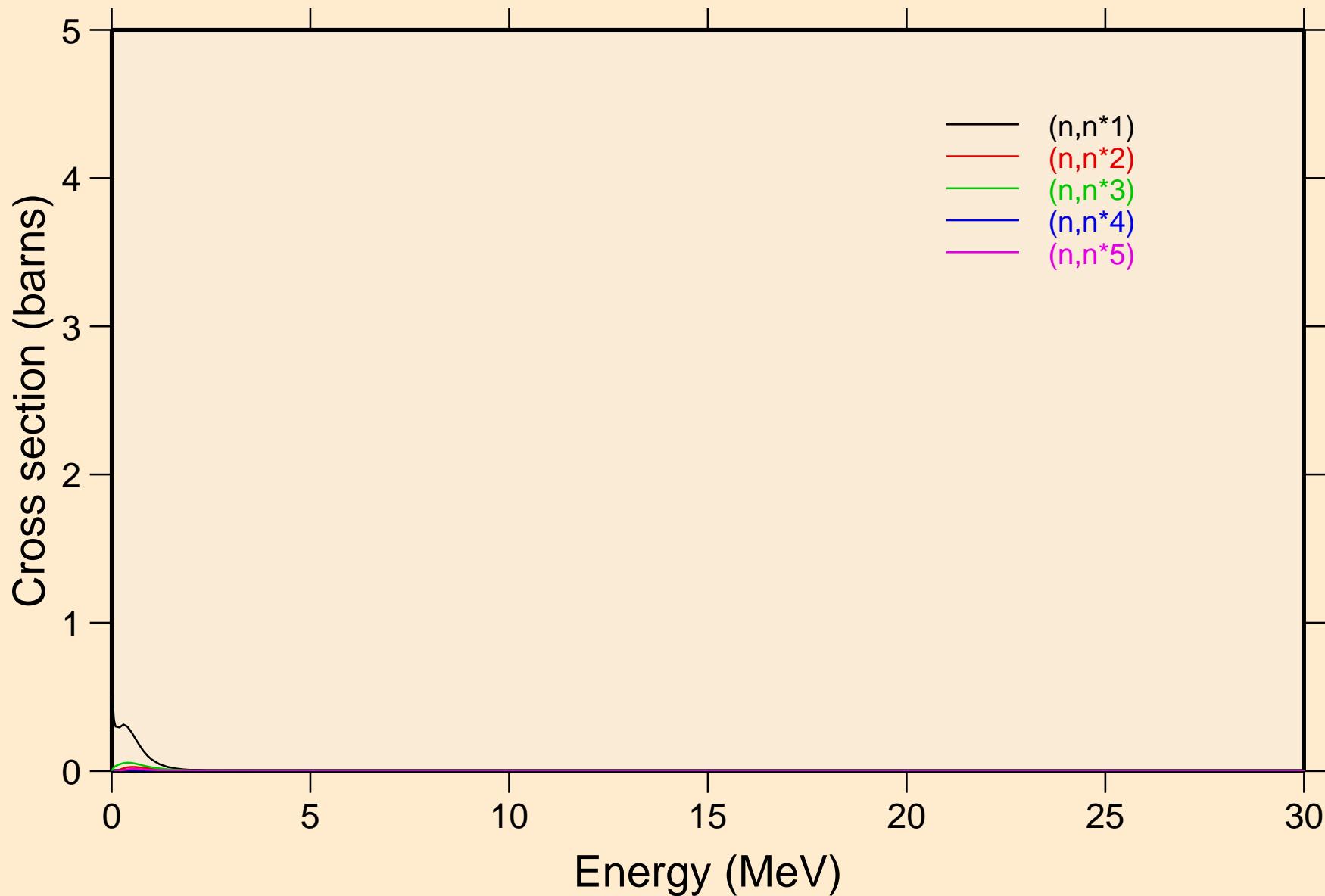


LU160M NRG TENDL-2015, AKONING  
Non-threshold reactions



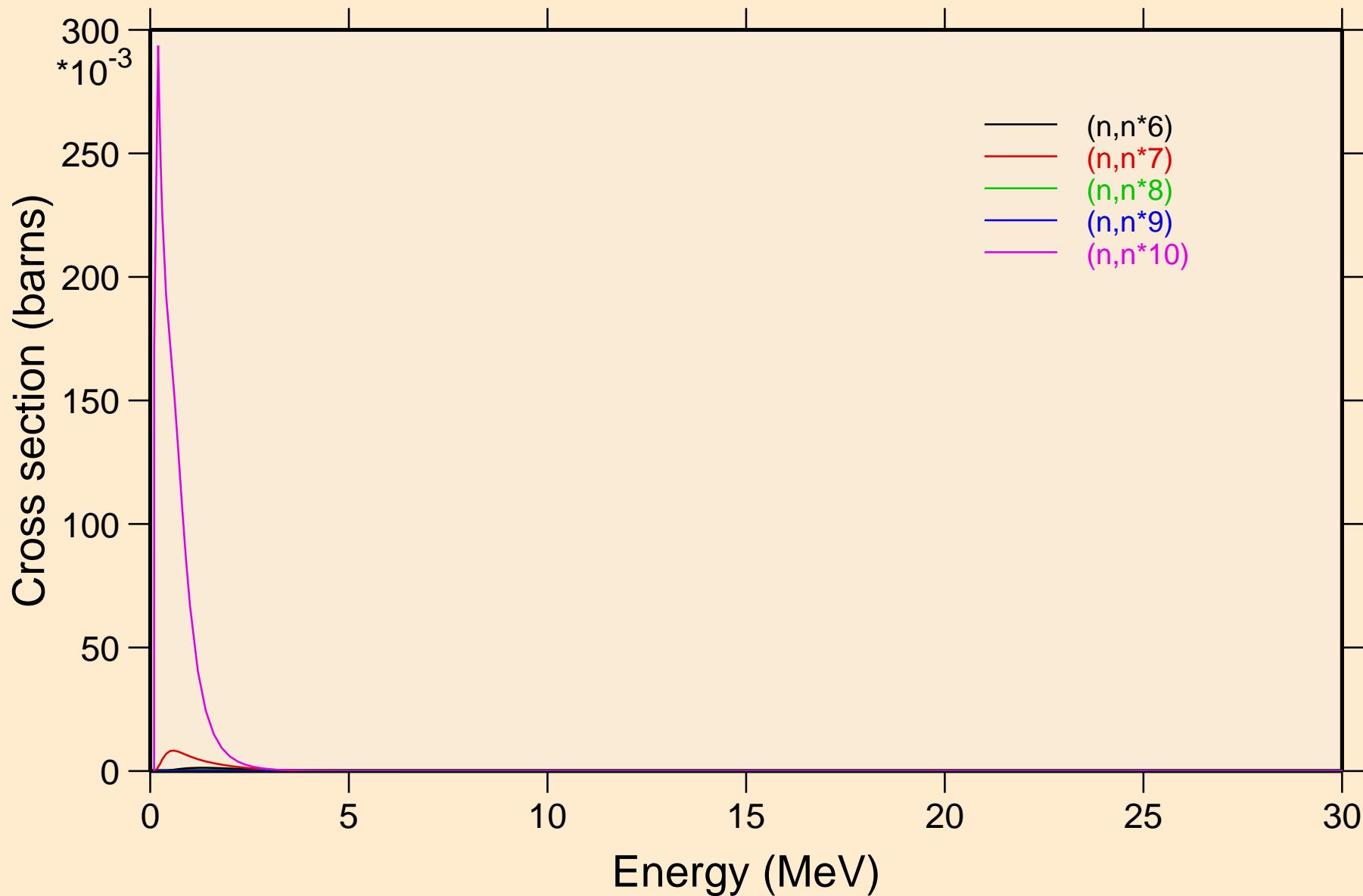
# LU160M NRG TENDL-2015, AKONING

## Inelastic levels



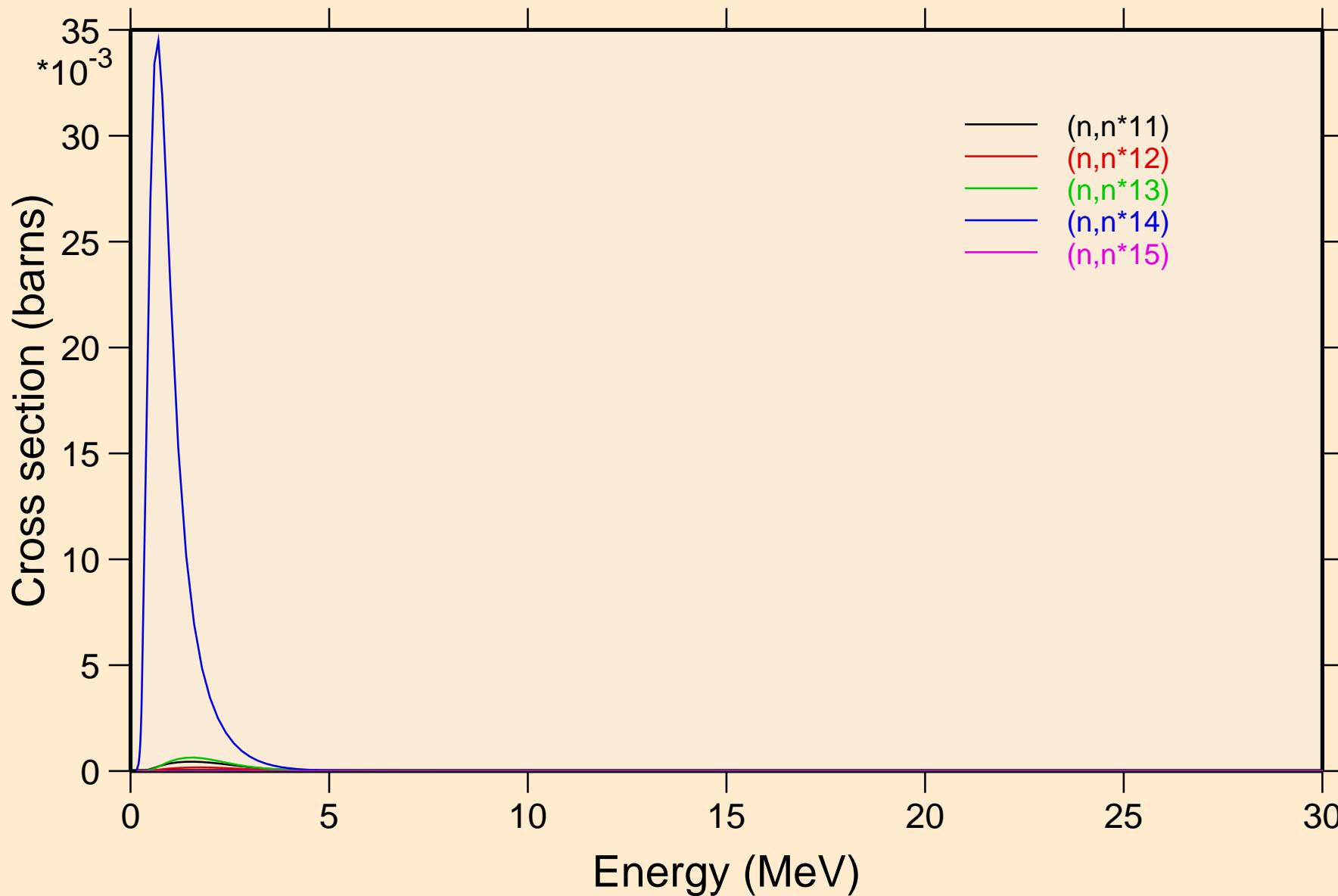
# LU160M NRG TENDL-2015, AKONING

## Inelastic levels



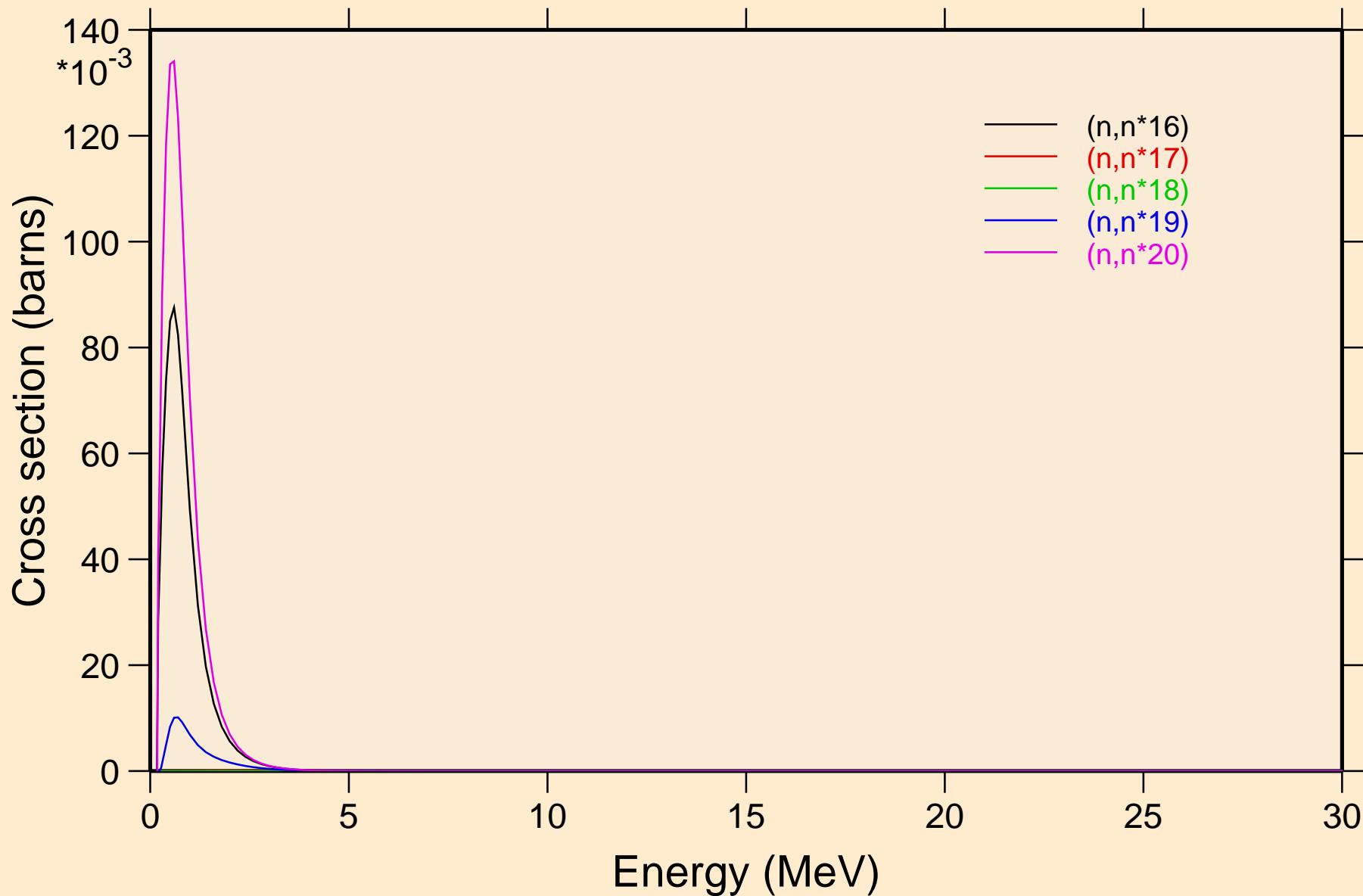
# LU160M NRG TENDL-2015, AKONING

## Inelastic levels



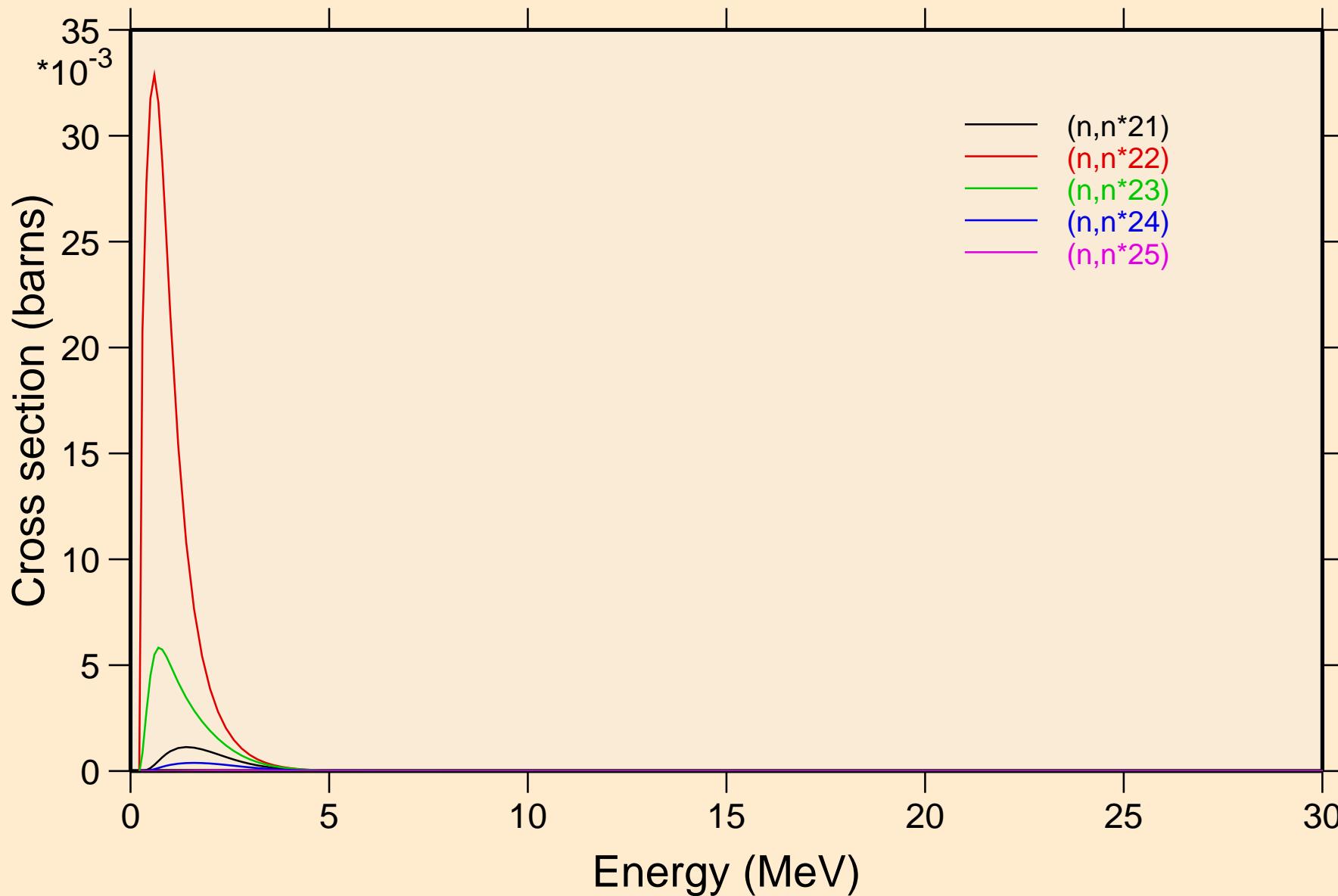
# LU160M NRG TENDL-2015, AKONING

## Inelastic levels

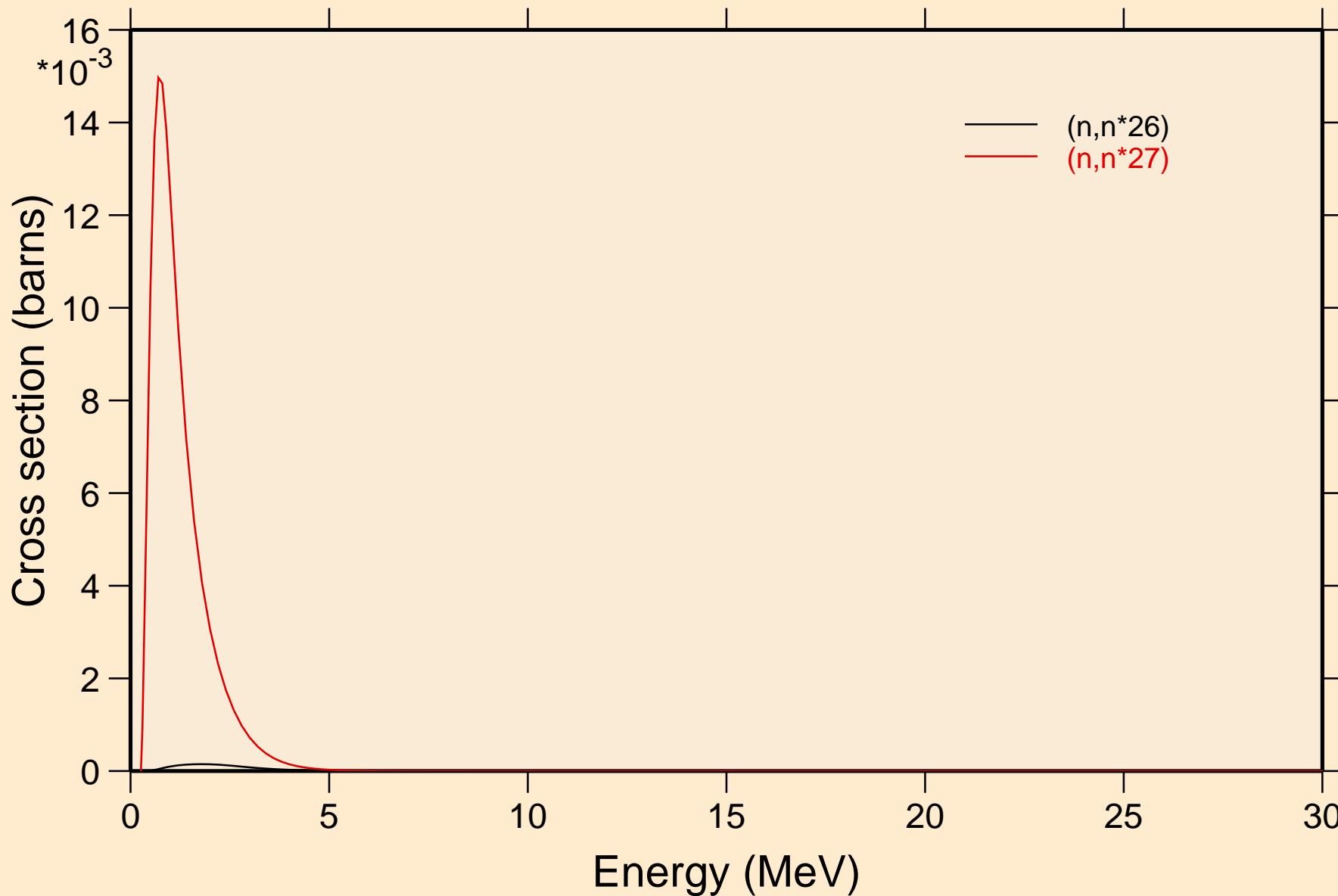


# LU160M NRG TENDL-2015, AKONING

## Inelastic levels

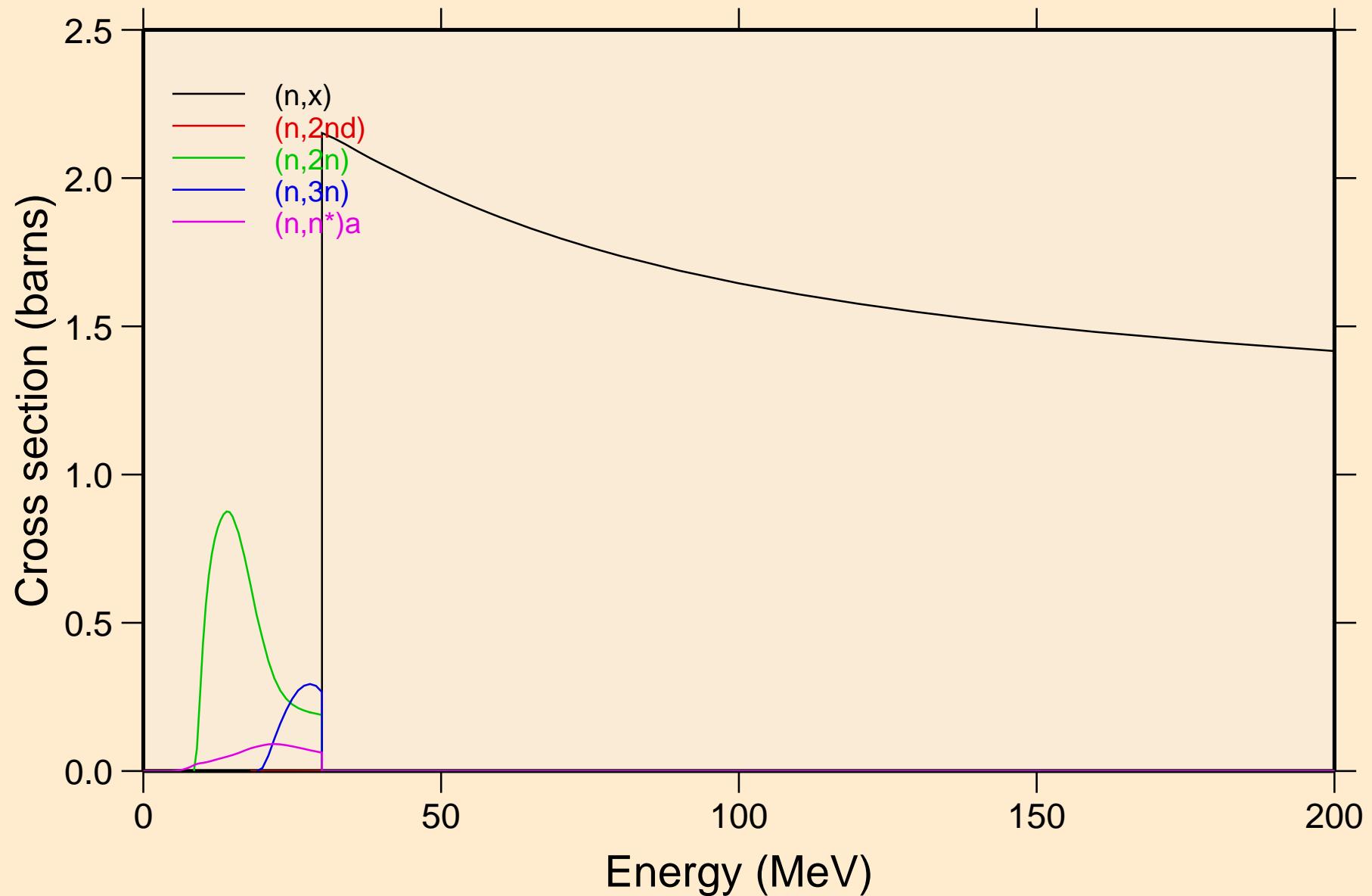


LU160M NRG TENDL-2015, AKONING  
Inelastic levels



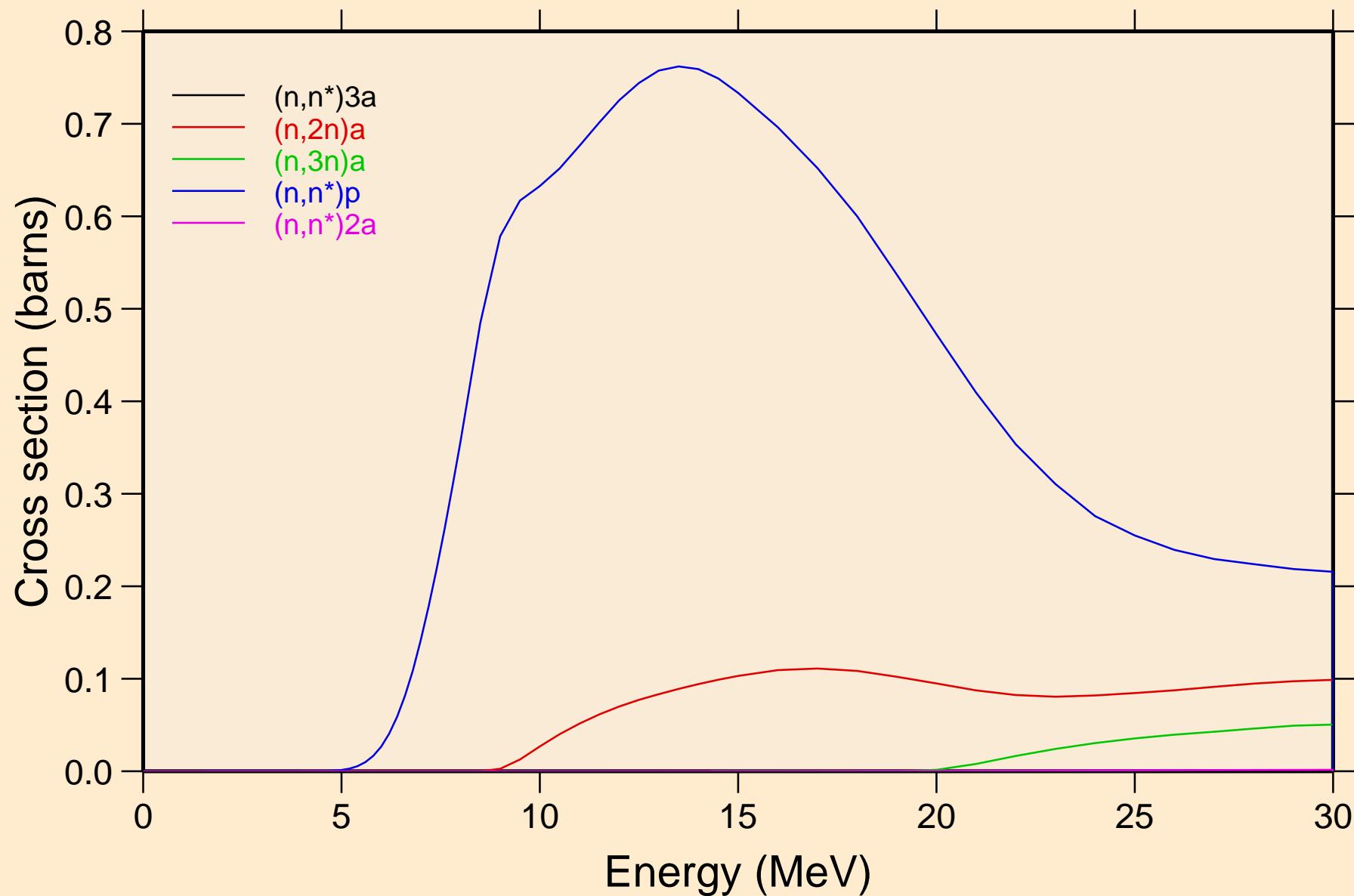
# LU160M NRG TENDL-2015, AKONING

## Threshold reactions



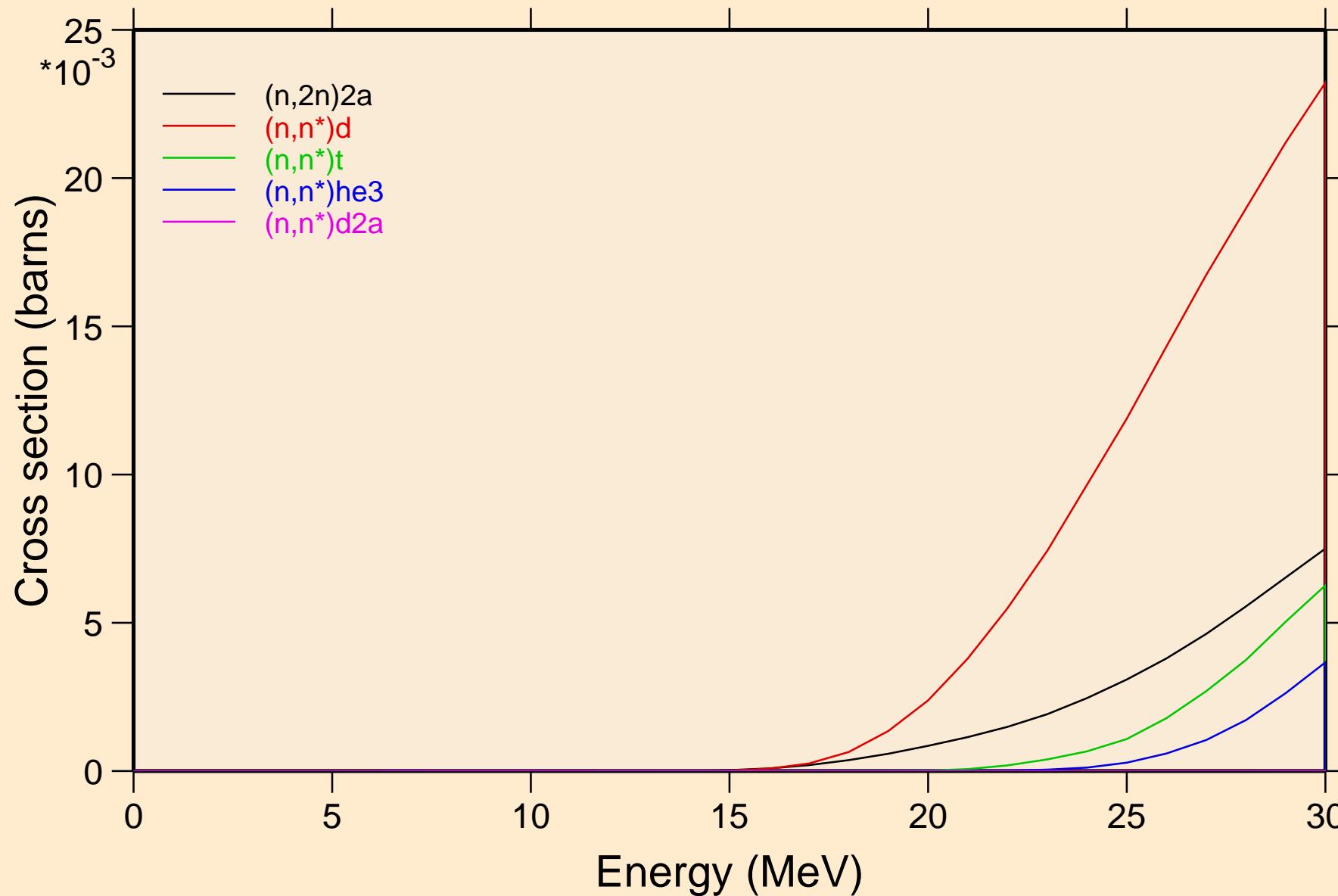
# LU160M NRG TENDL-2015, AKONING

## Threshold reactions



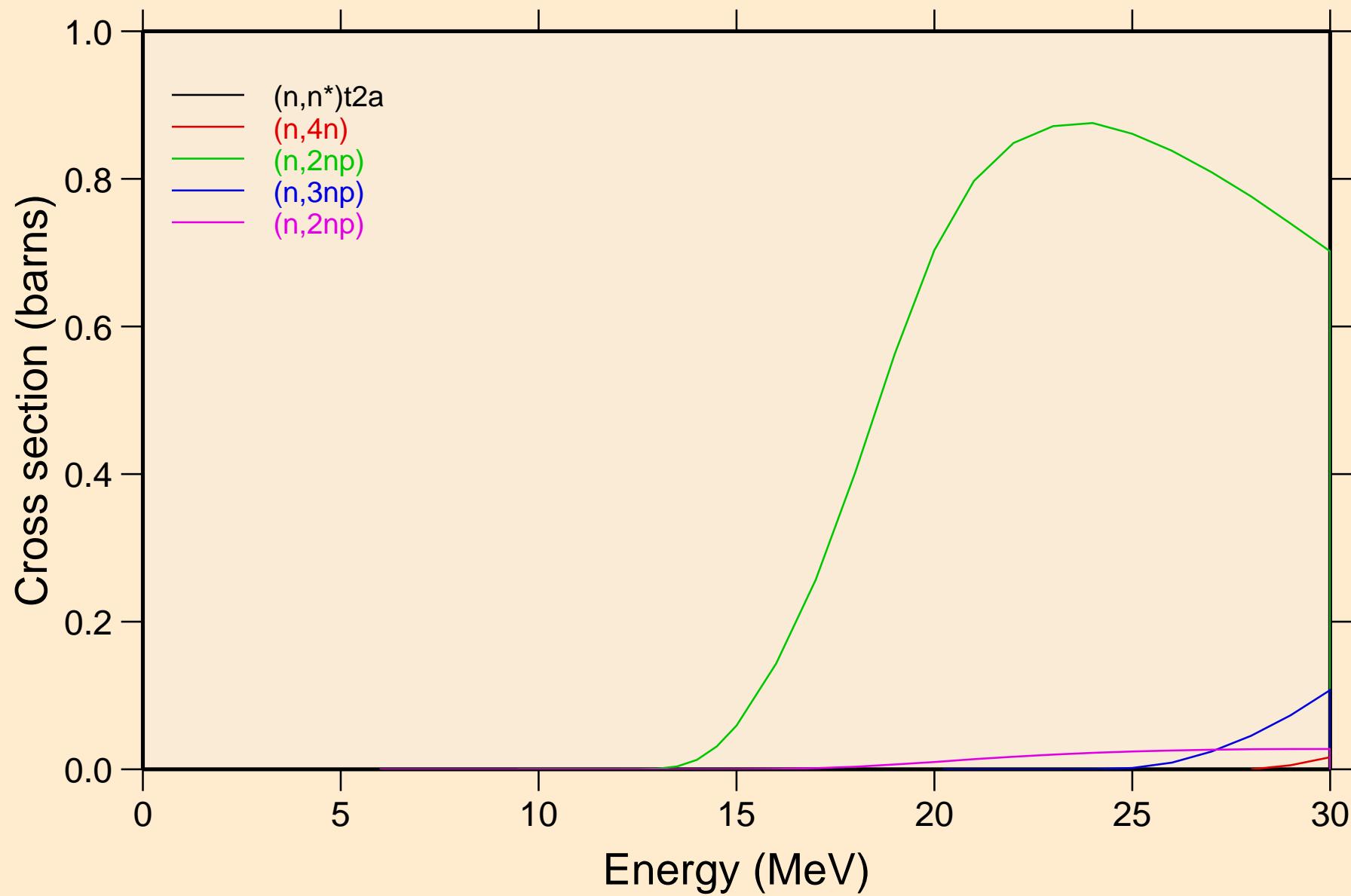
# LU160M NRG TENDL-2015, AKONING

## Threshold reactions



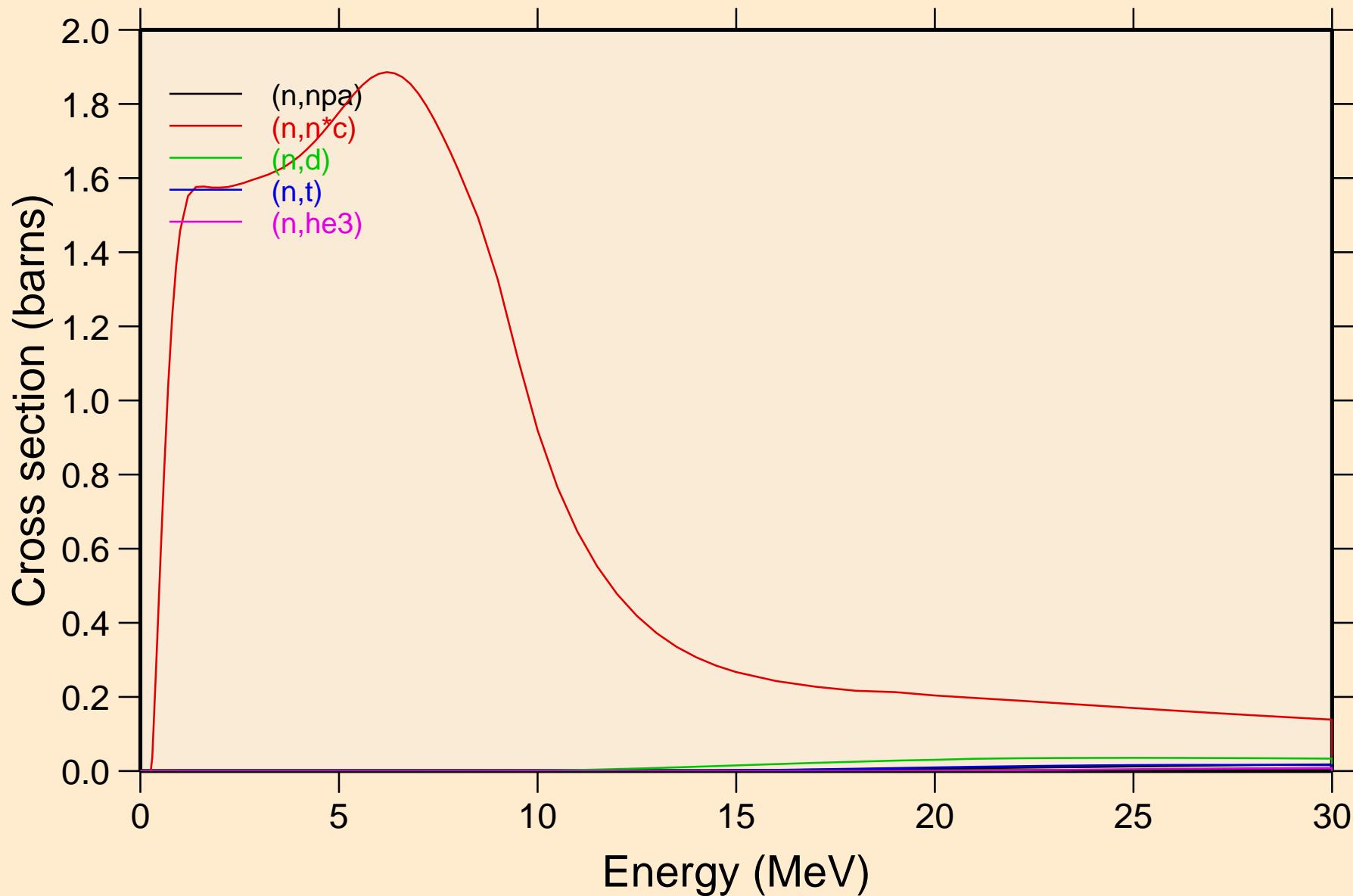
# LU160M NRG TENDL-2015, AKONING

## Threshold reactions



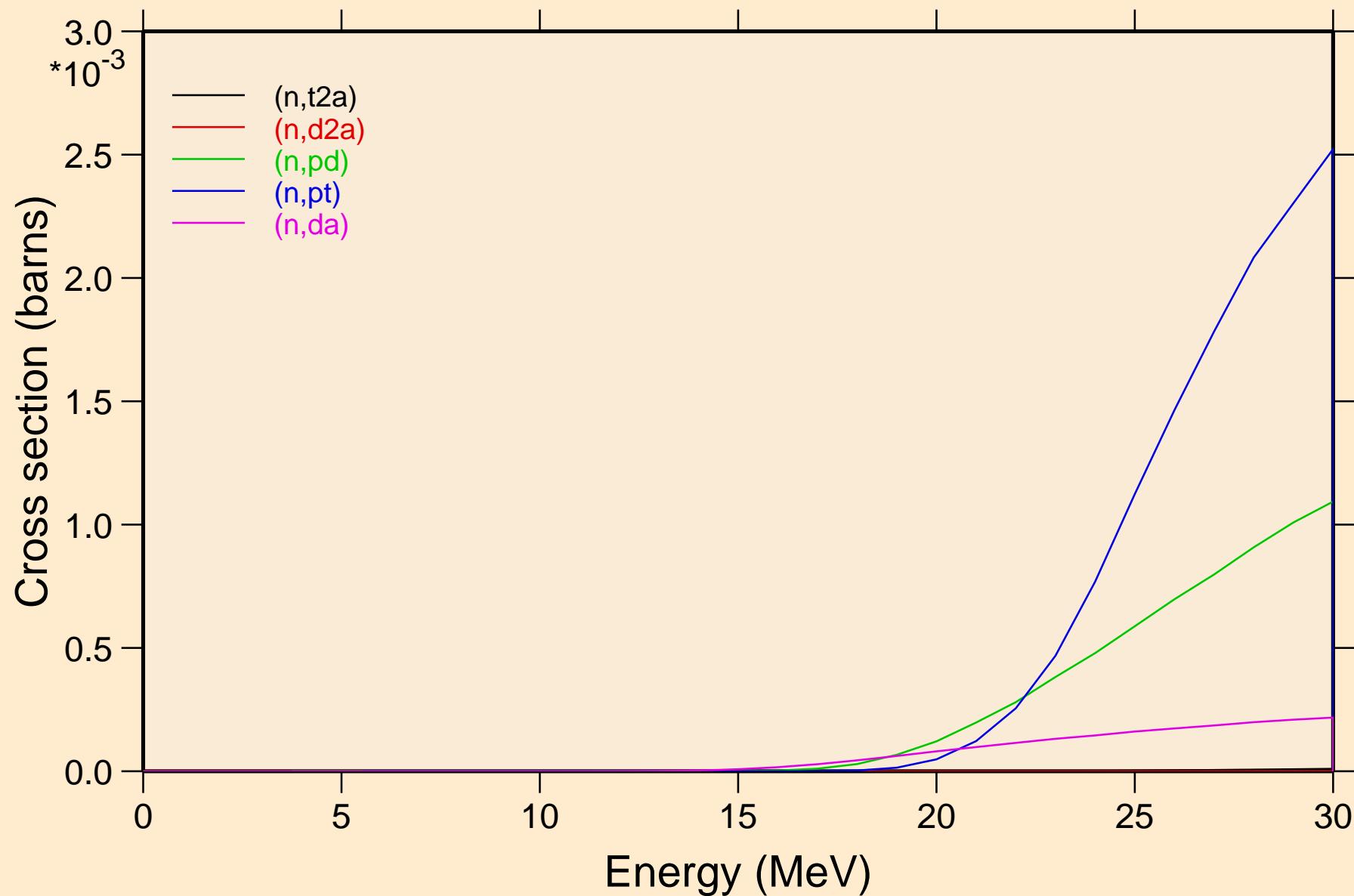
# LU160M NRG TENDL-2015, AKONING

## Threshold reactions

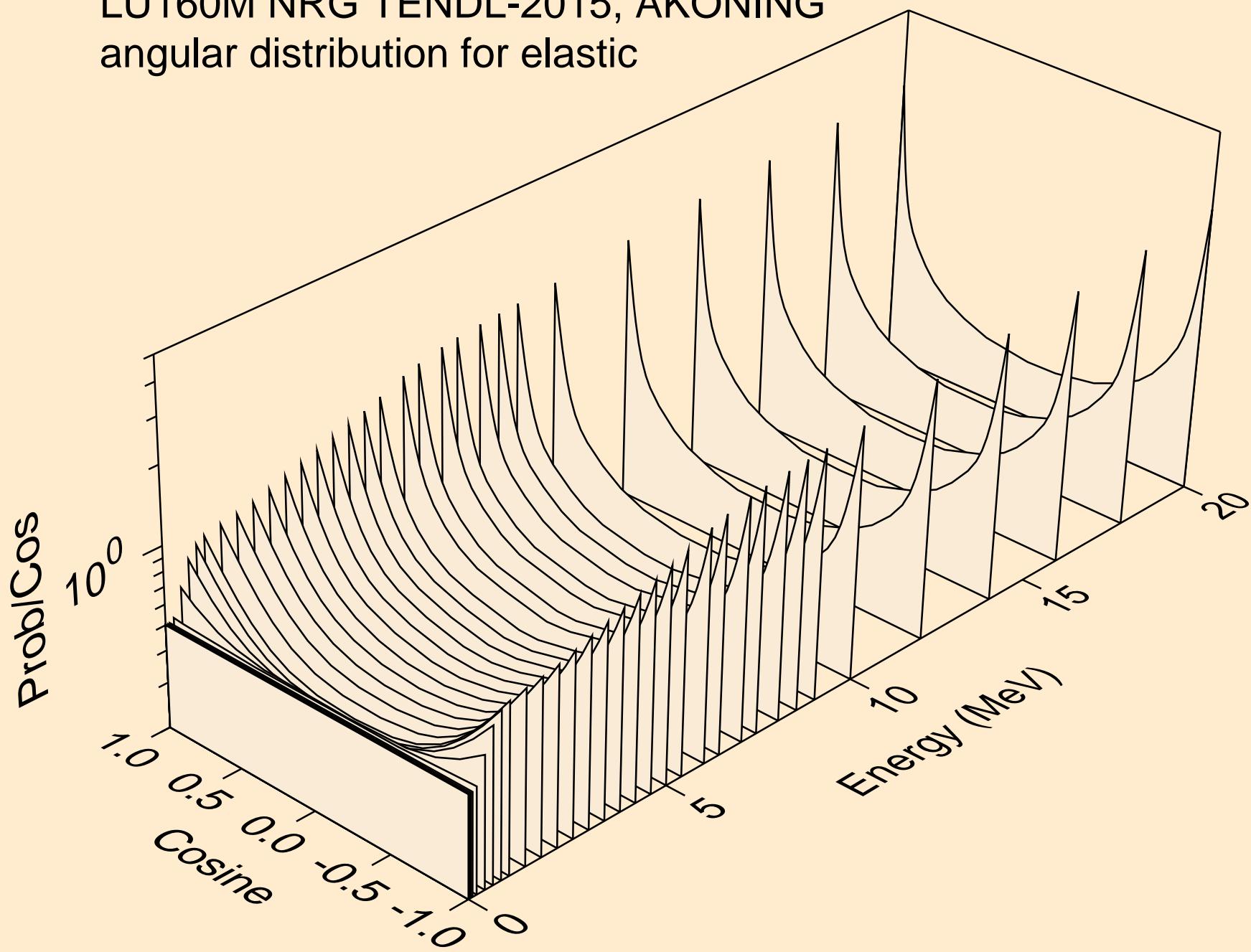


# LU160M NRG TENDL-2015, AKONING

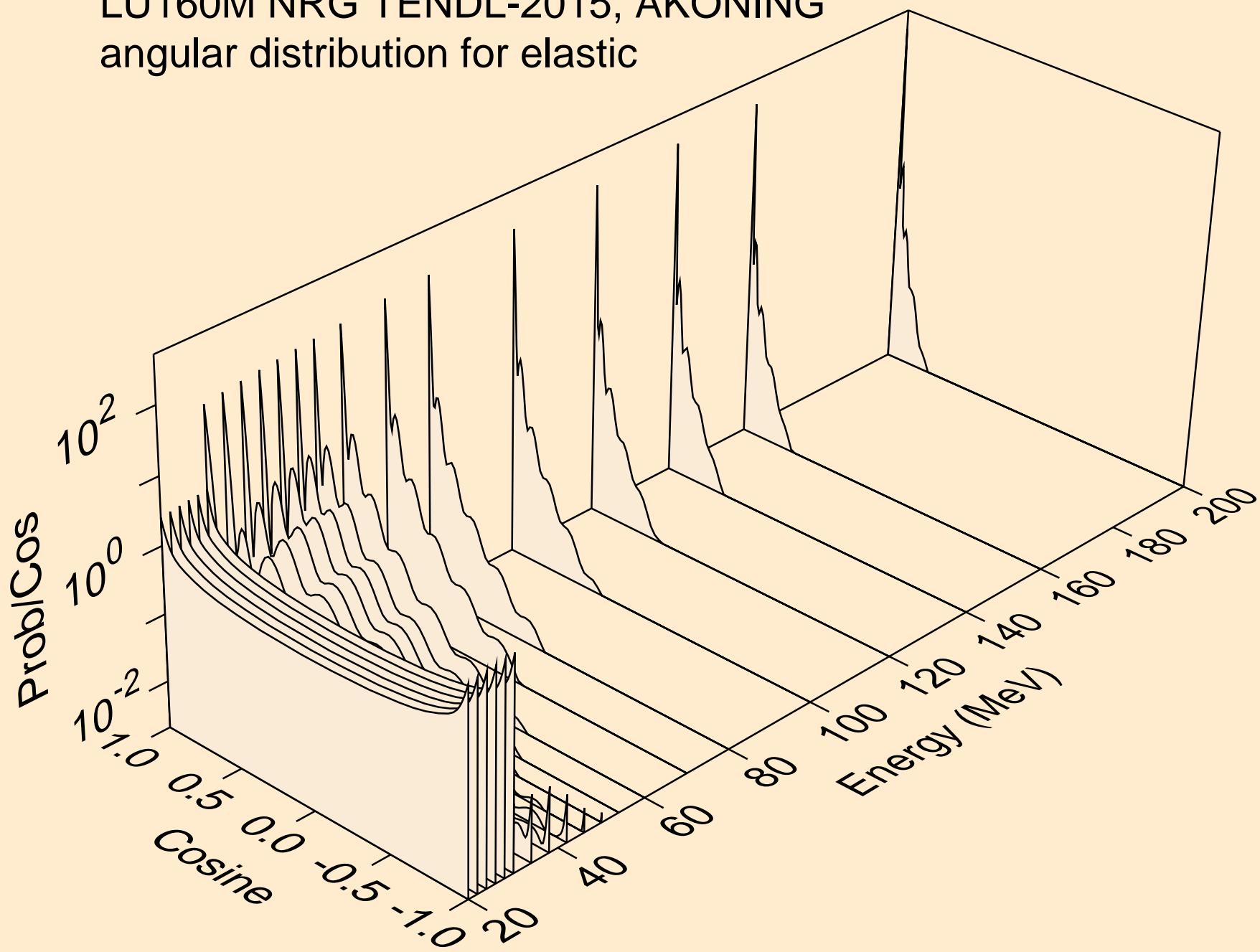
## Threshold reactions



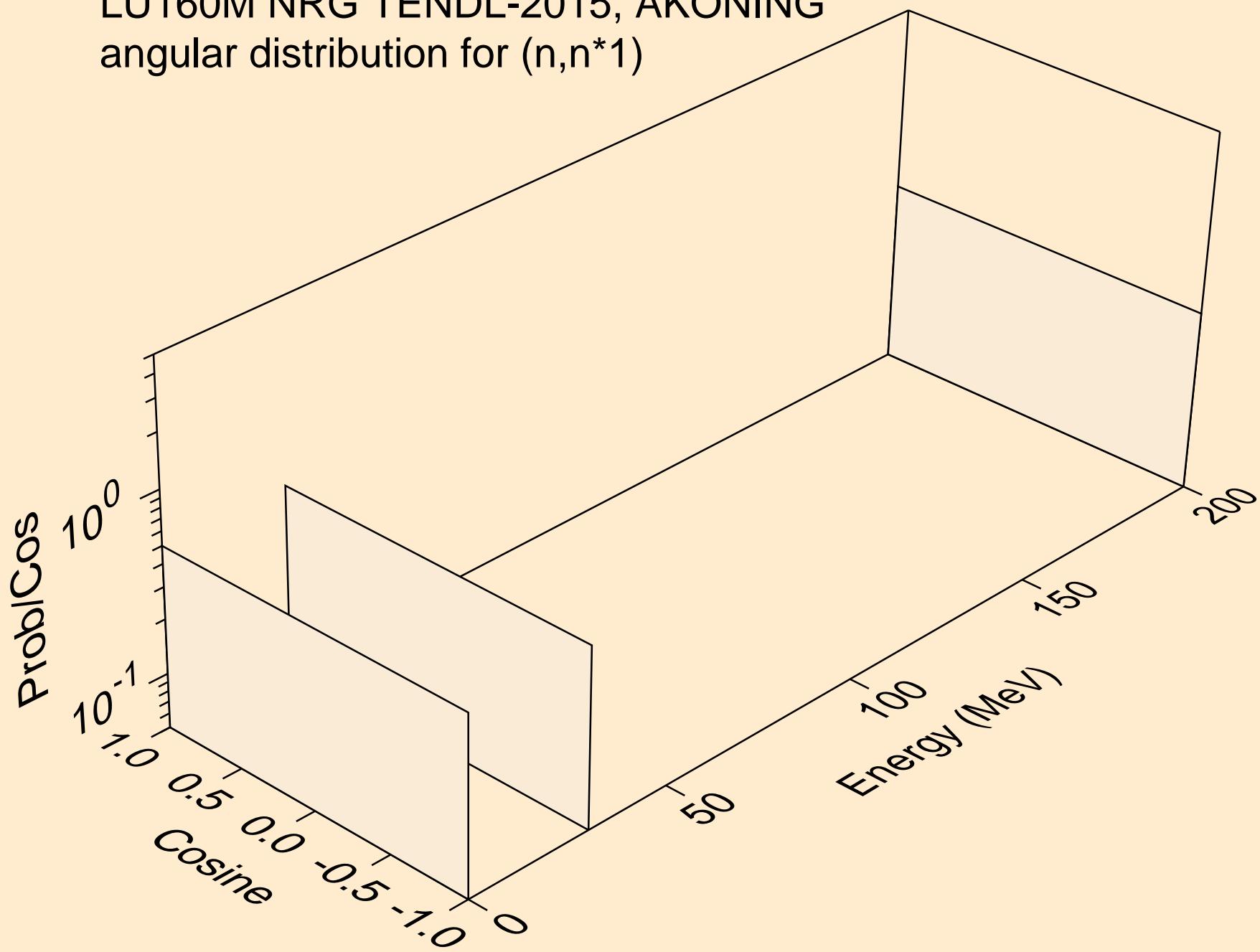
LU160M NRG TENDL-2015, AKONING  
angular distribution for elastic



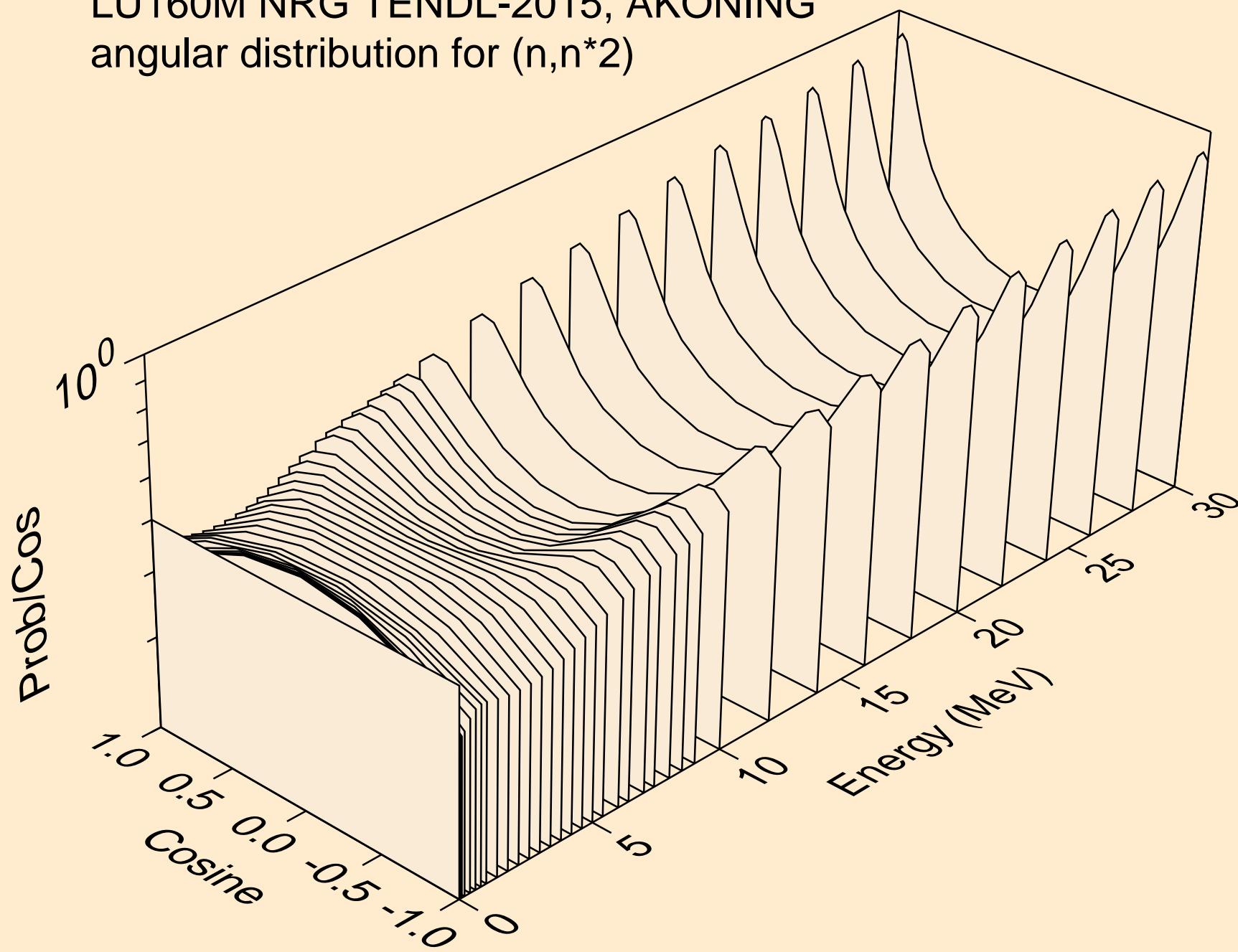
LU160M NRG TENDL-2015, AKONING  
angular distribution for elastic



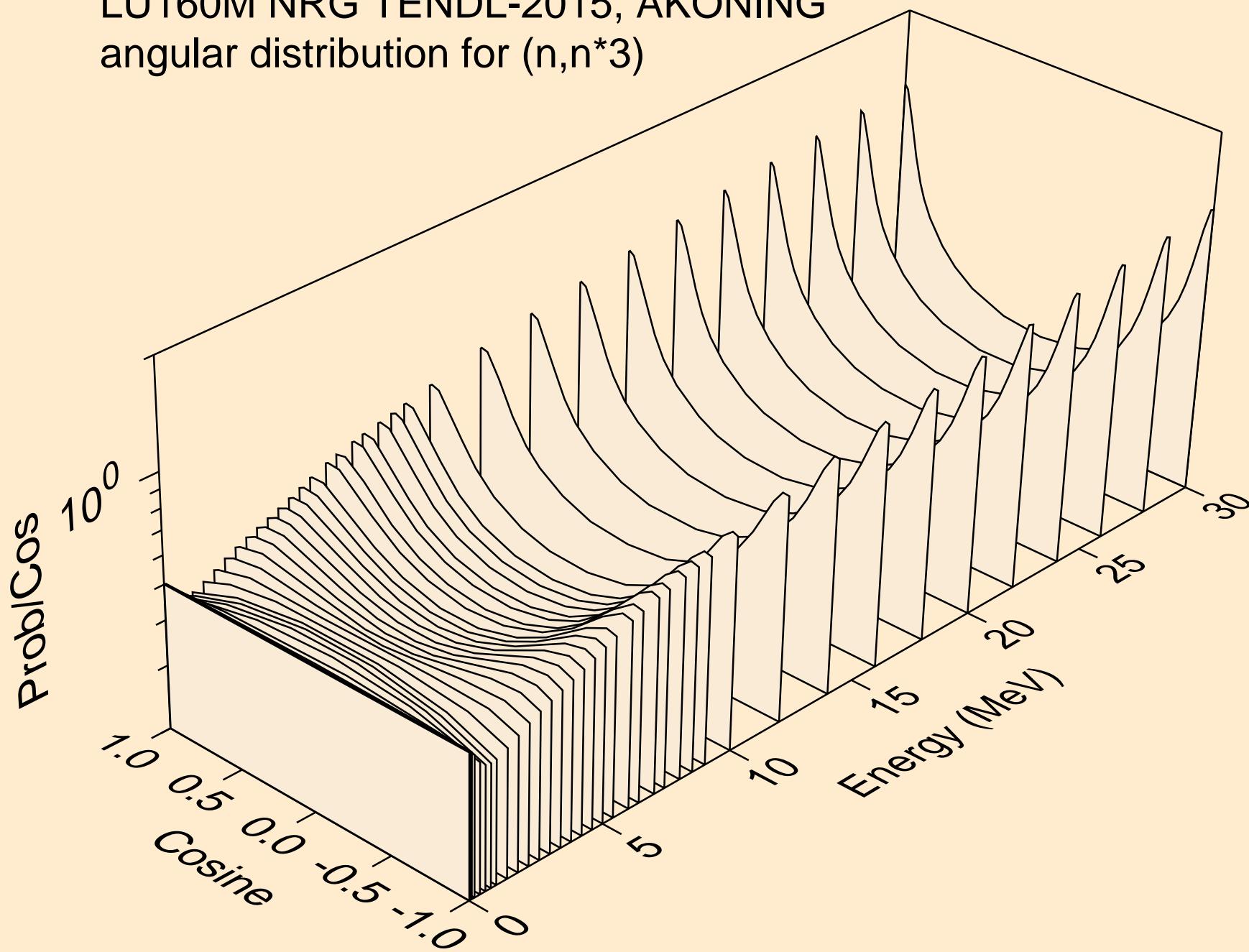
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



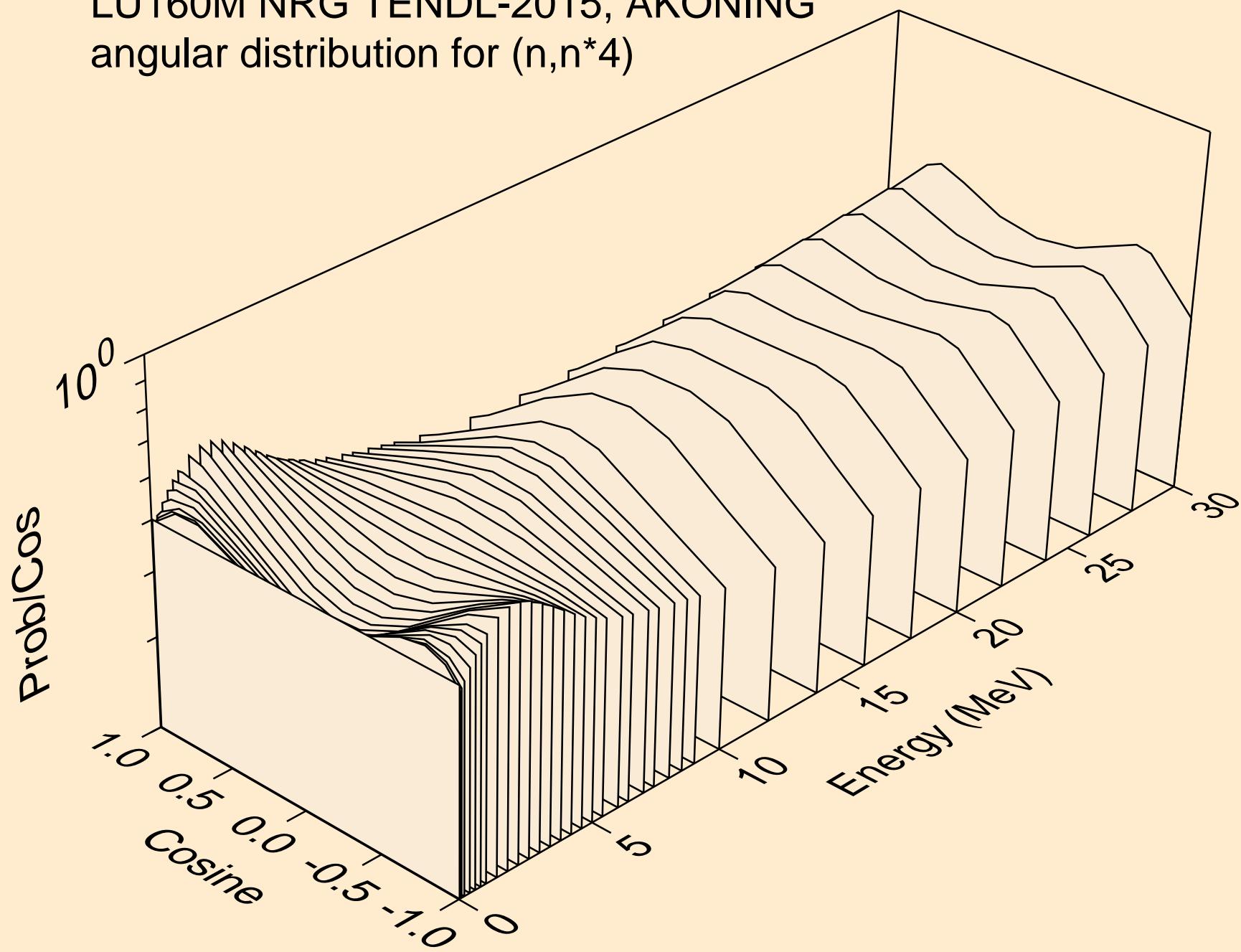
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*2)$



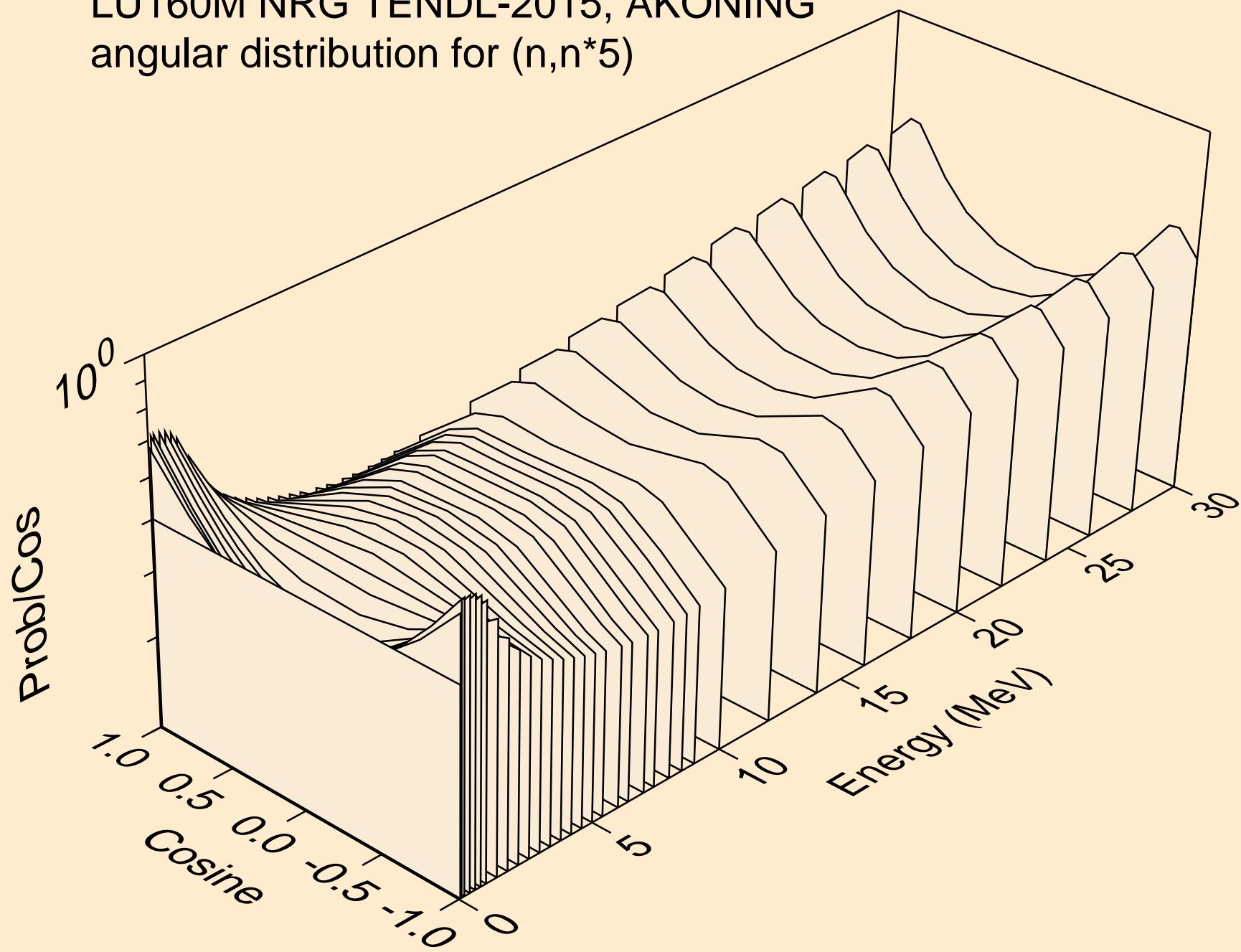
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



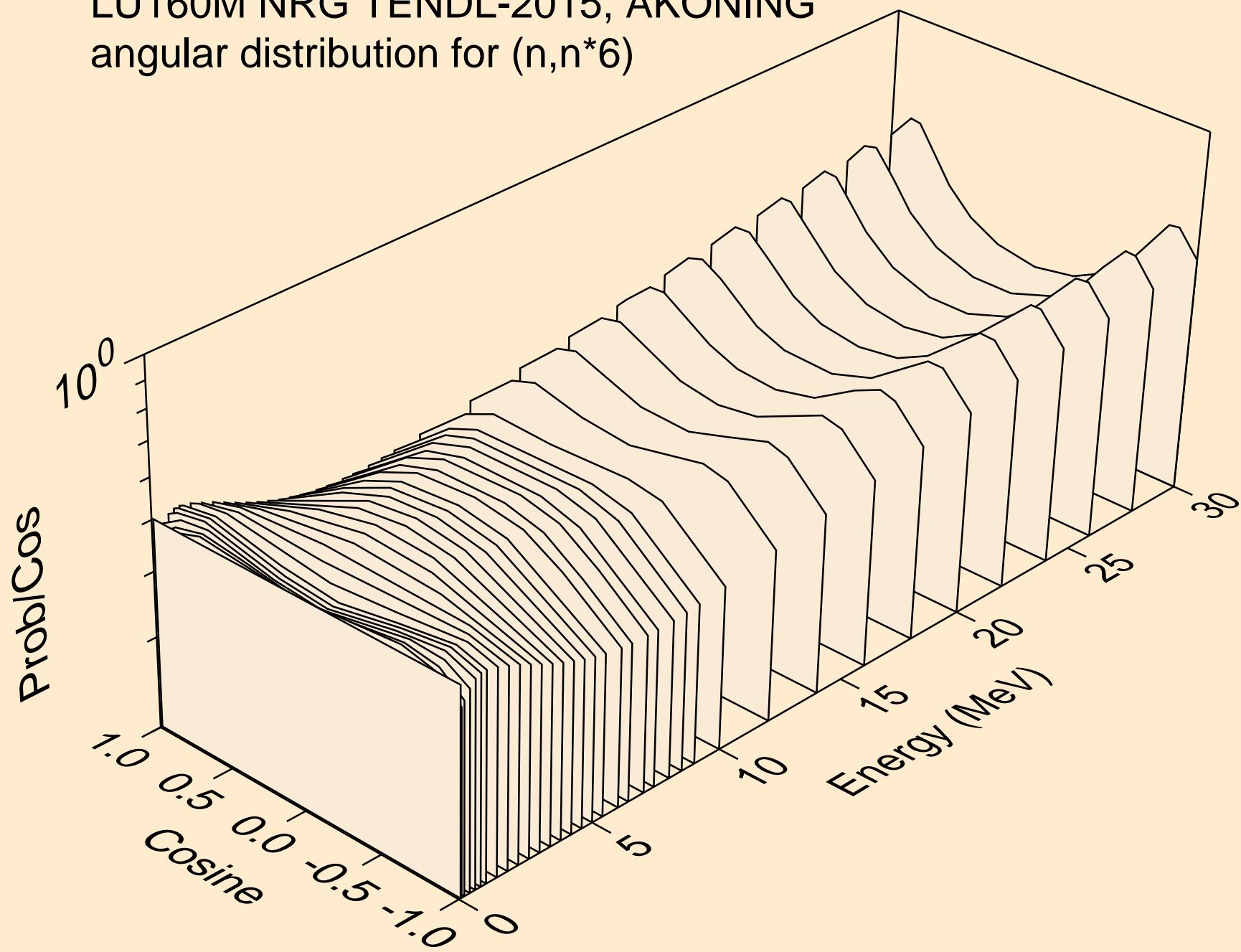
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



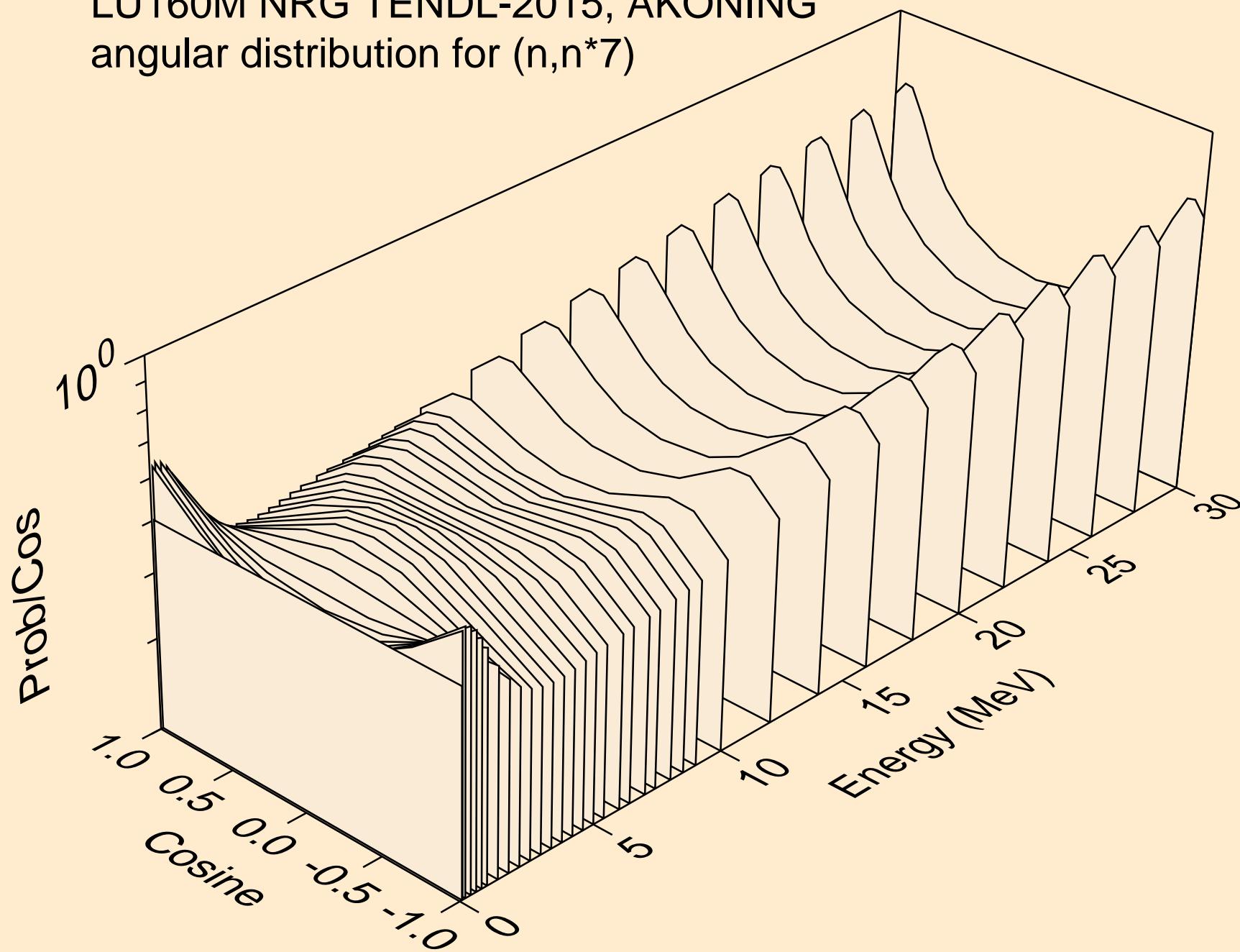
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



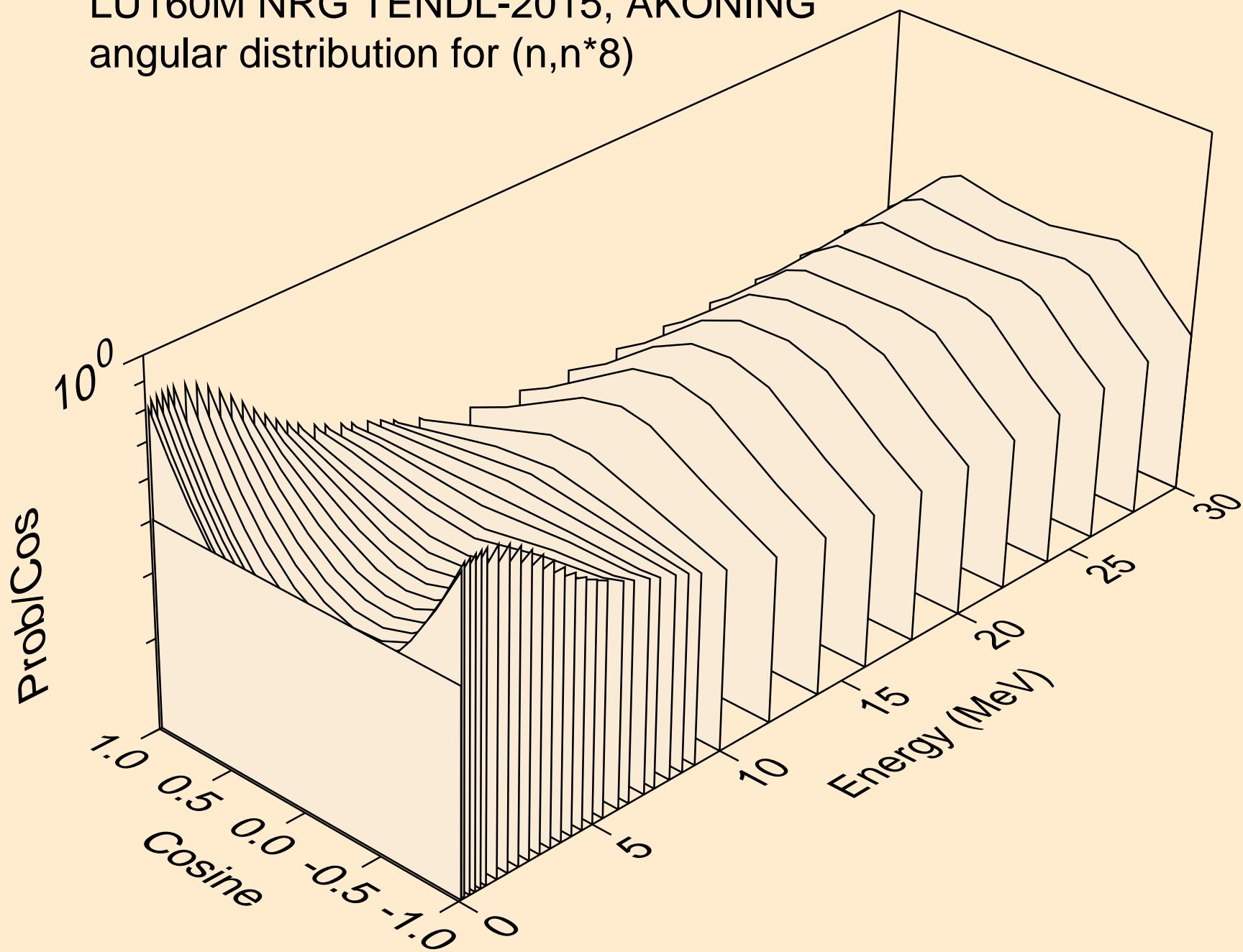
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



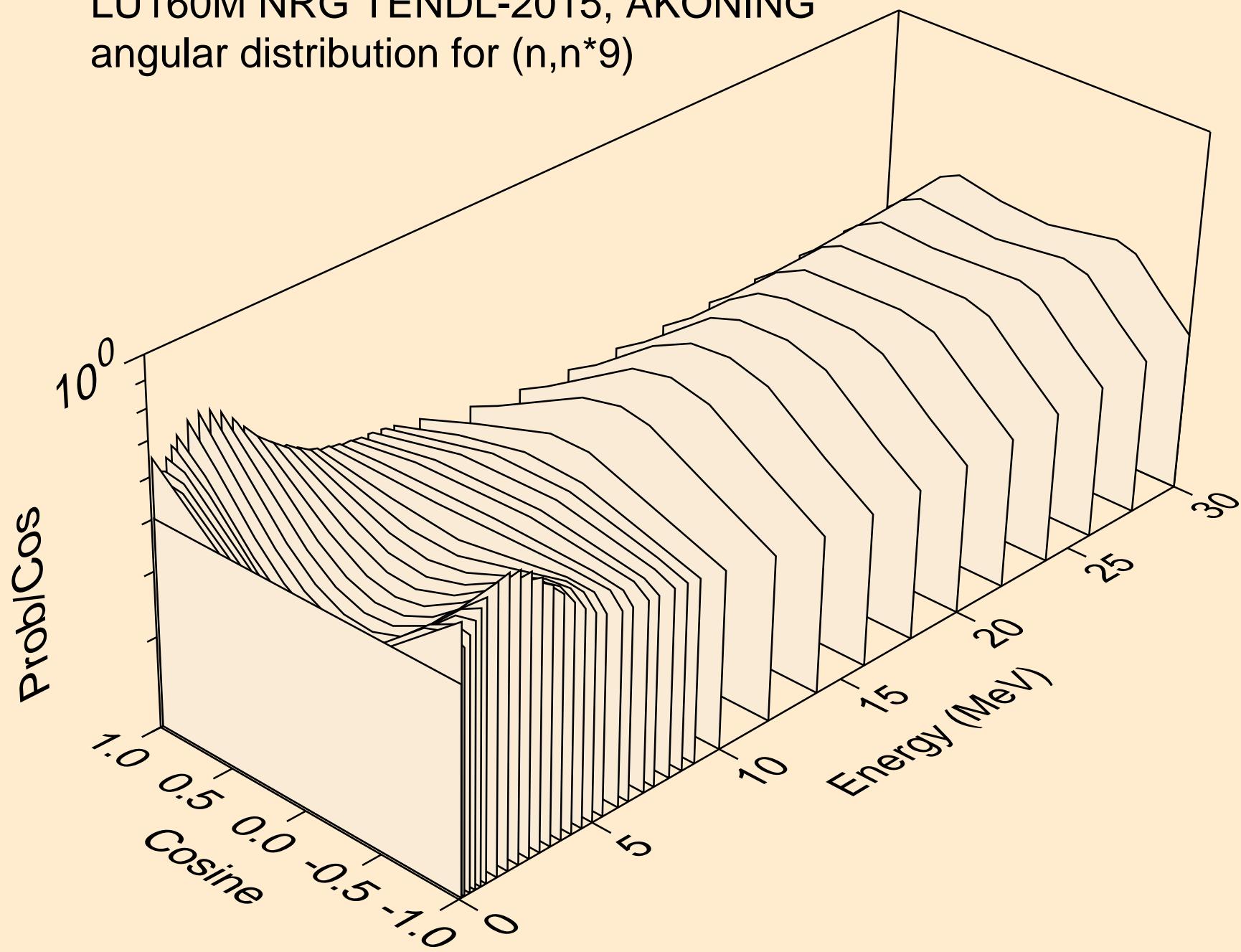
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



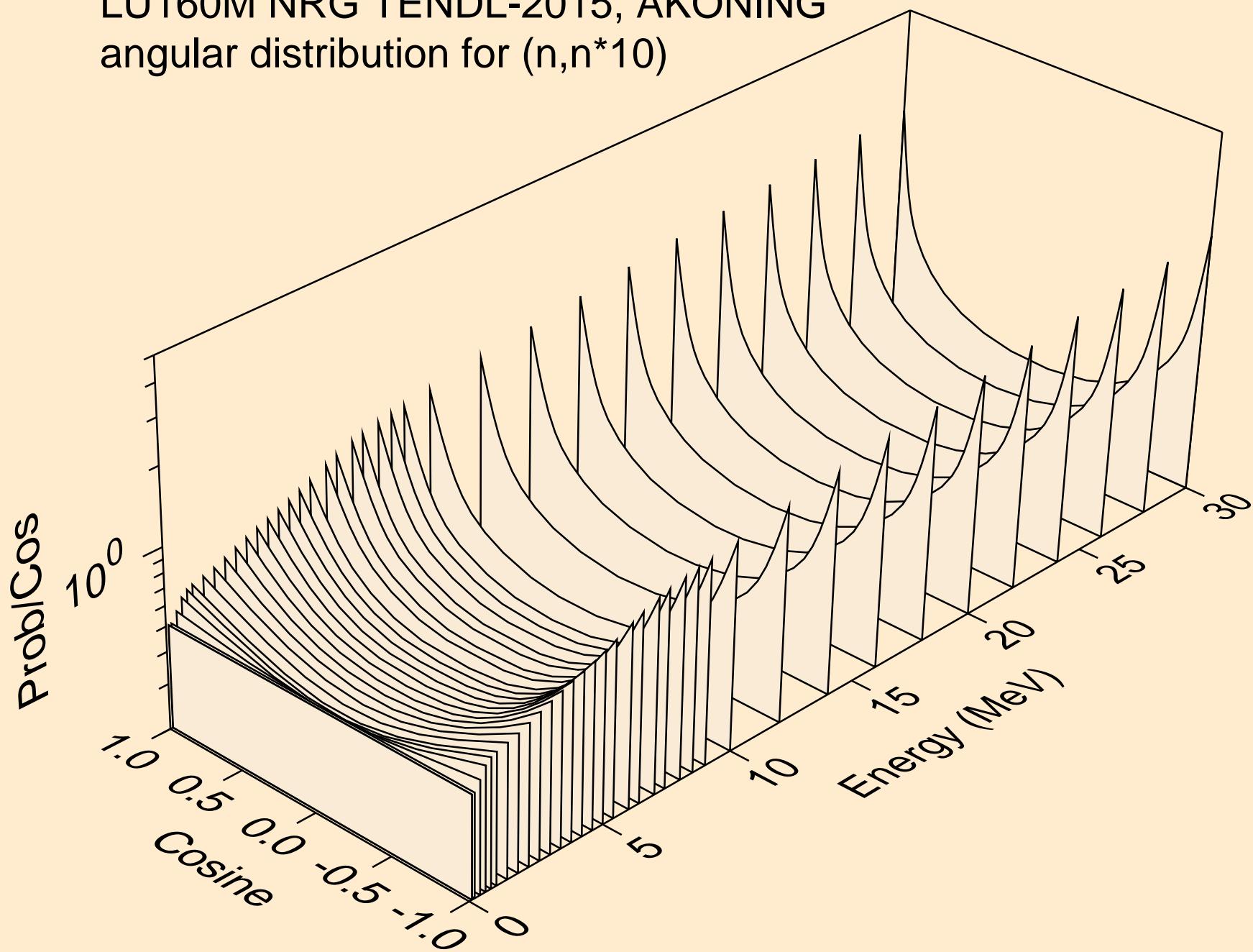
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



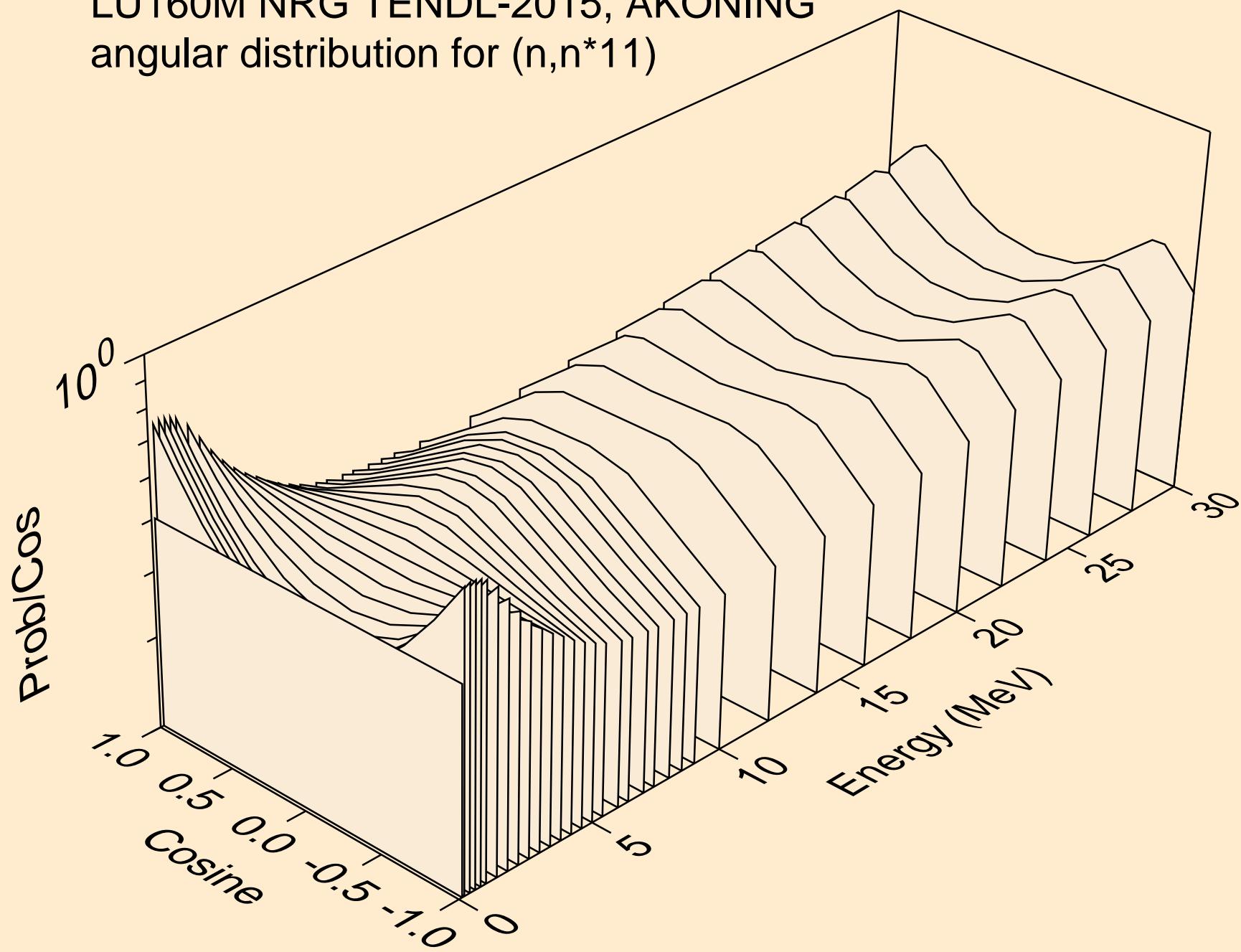
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



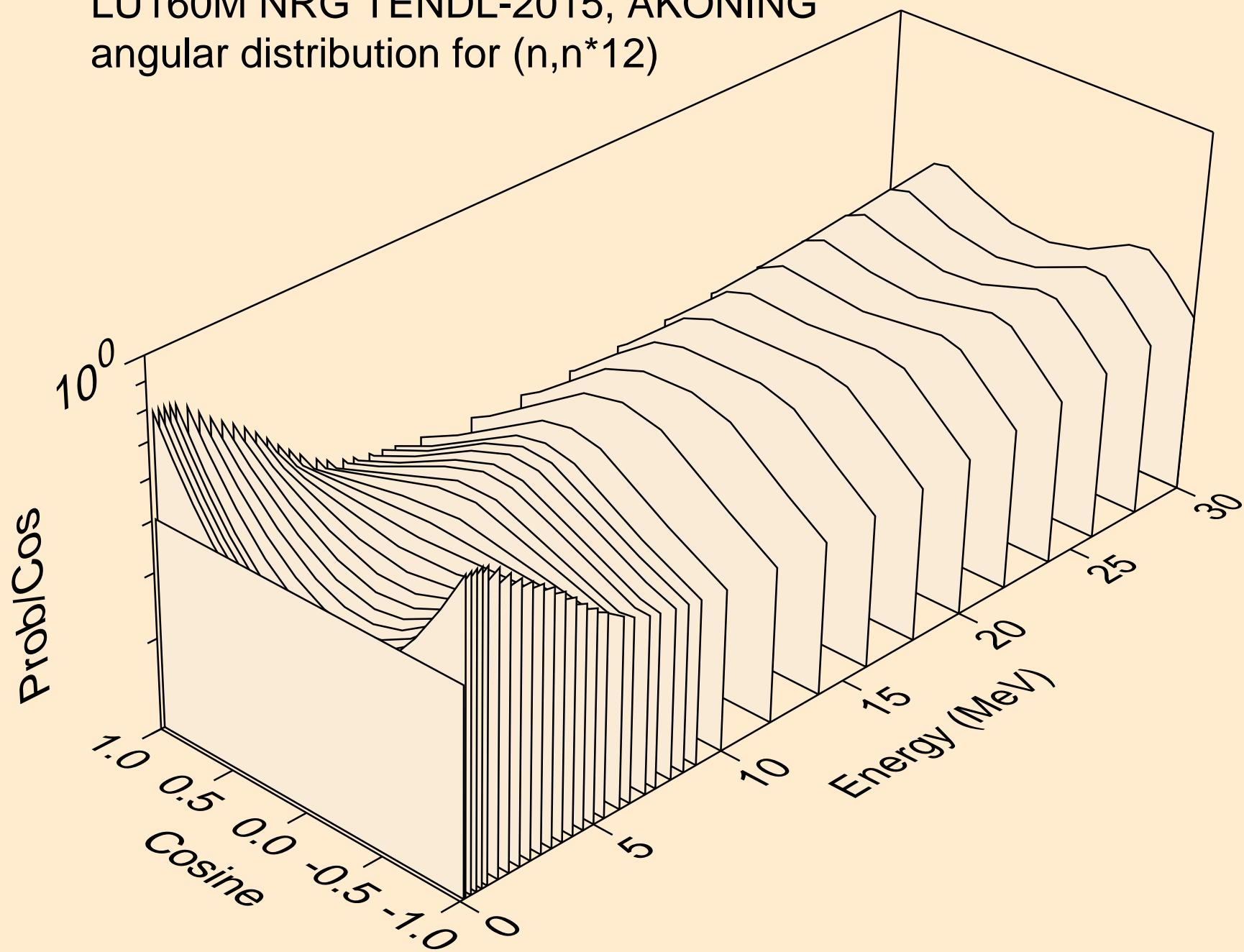
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



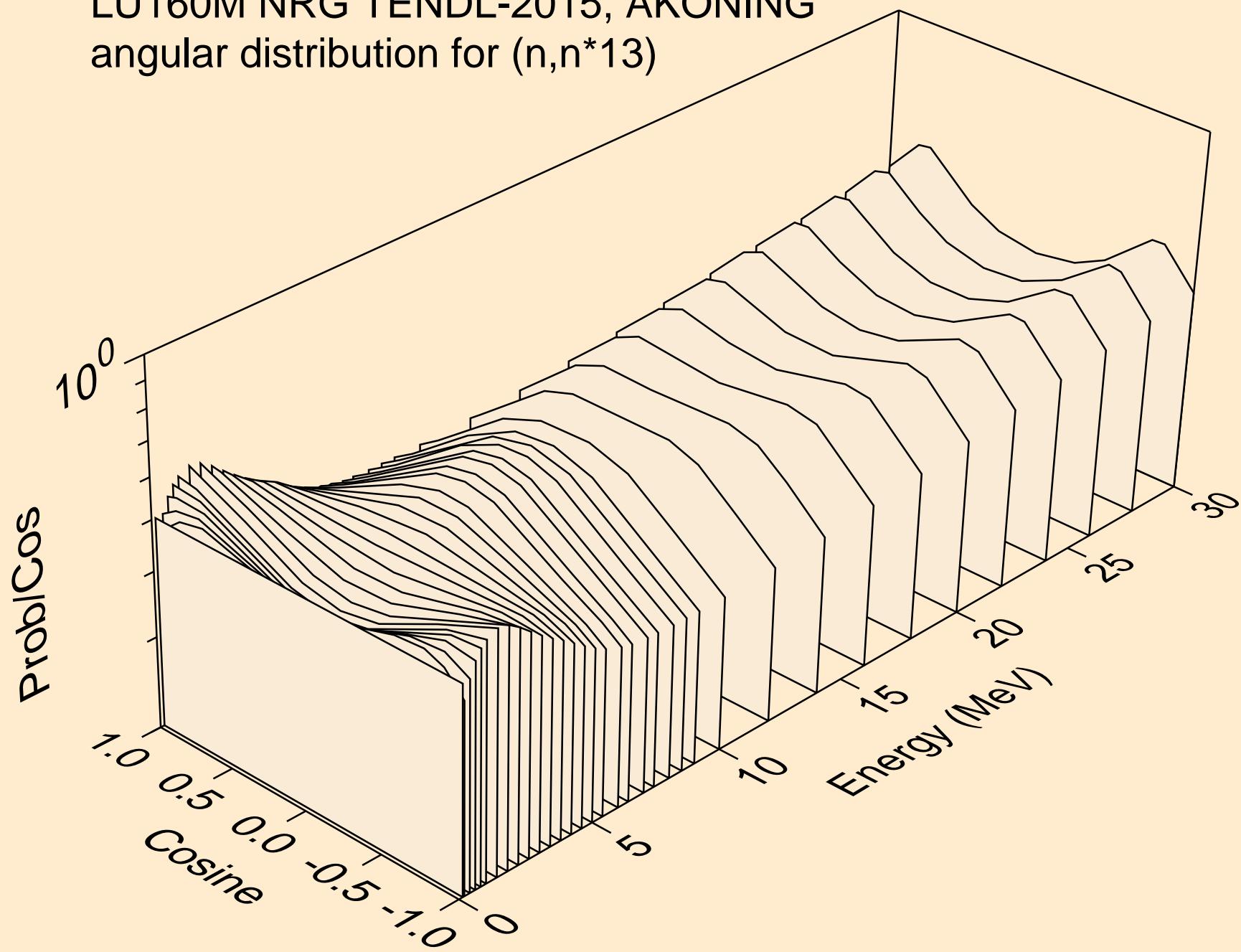
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



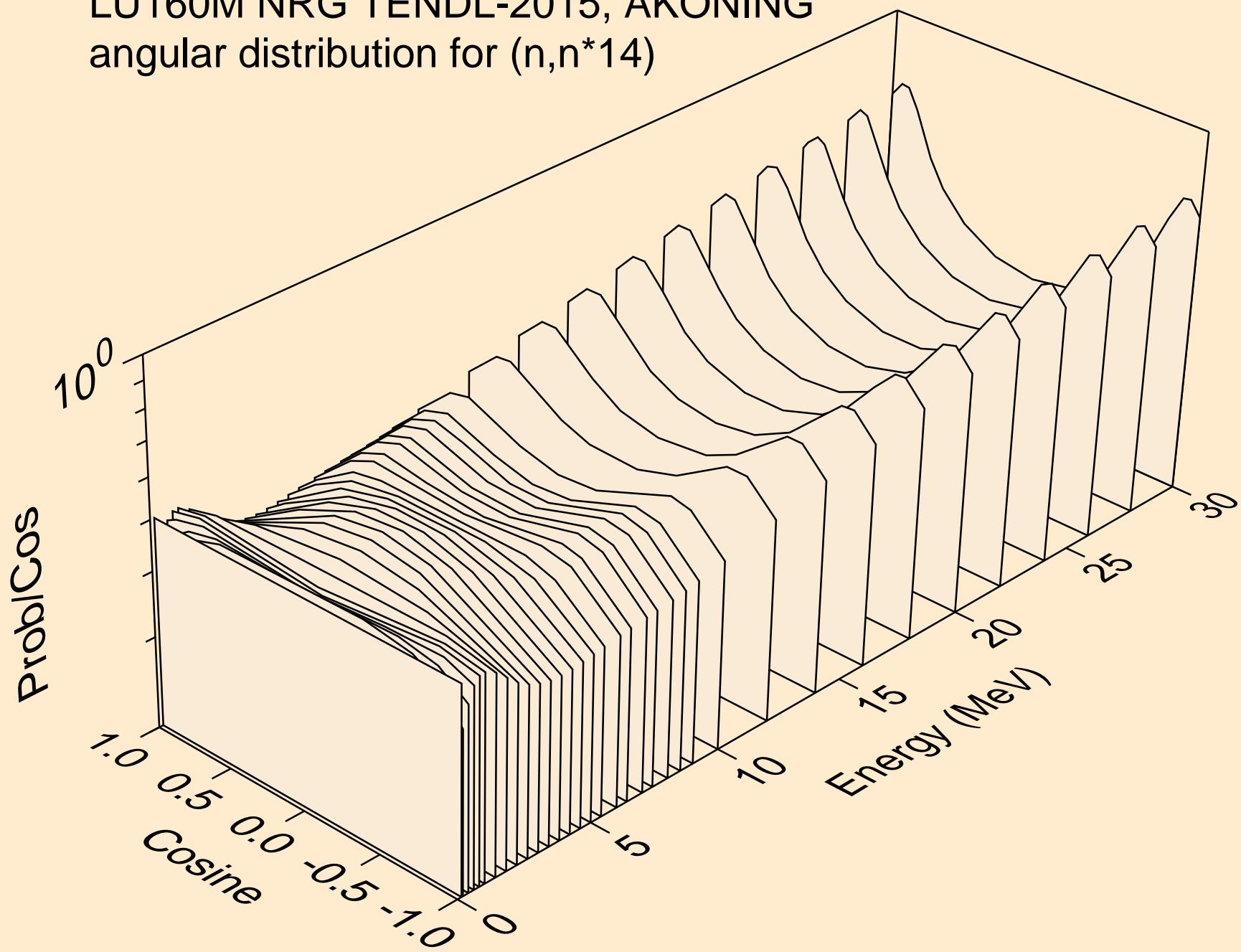
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



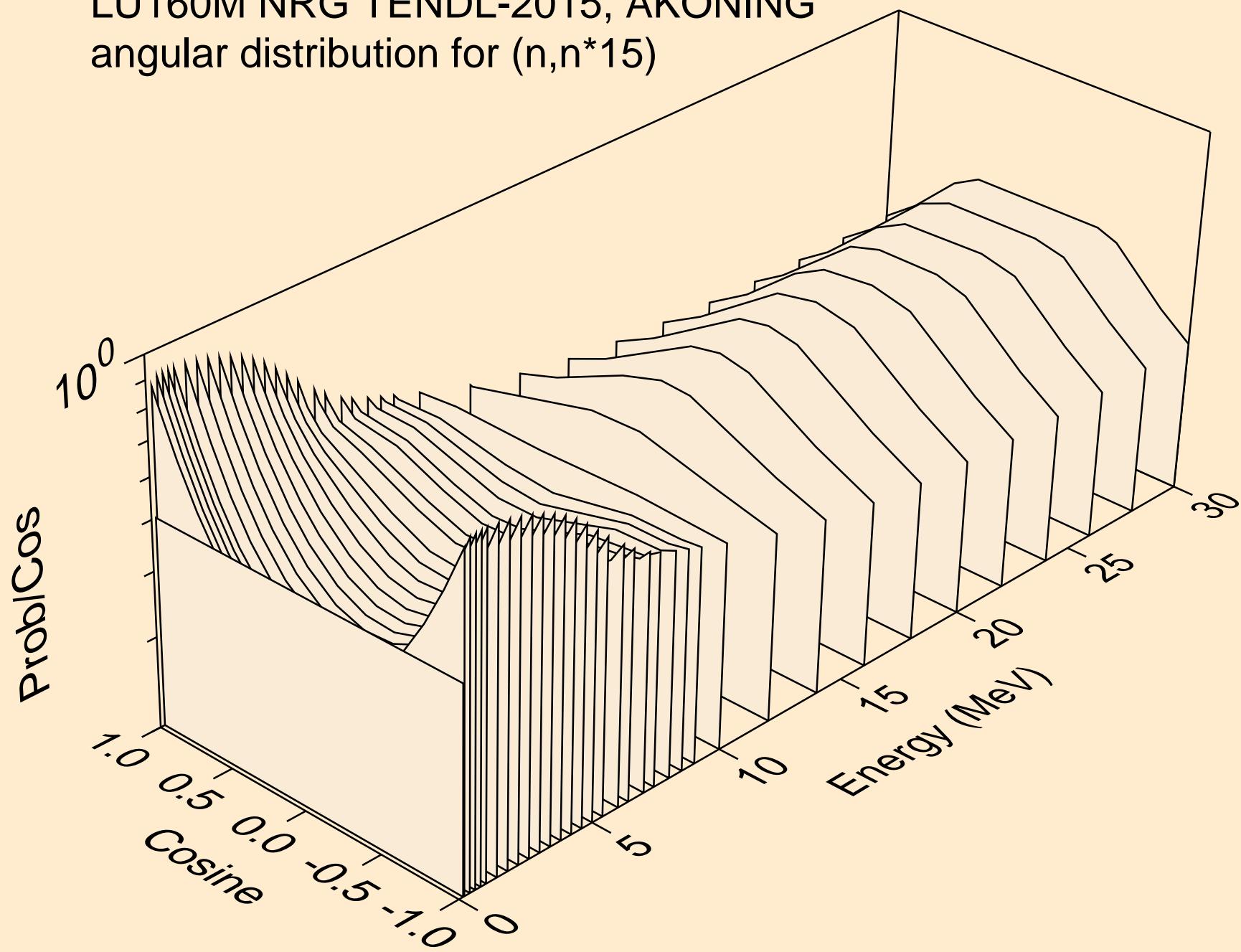
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



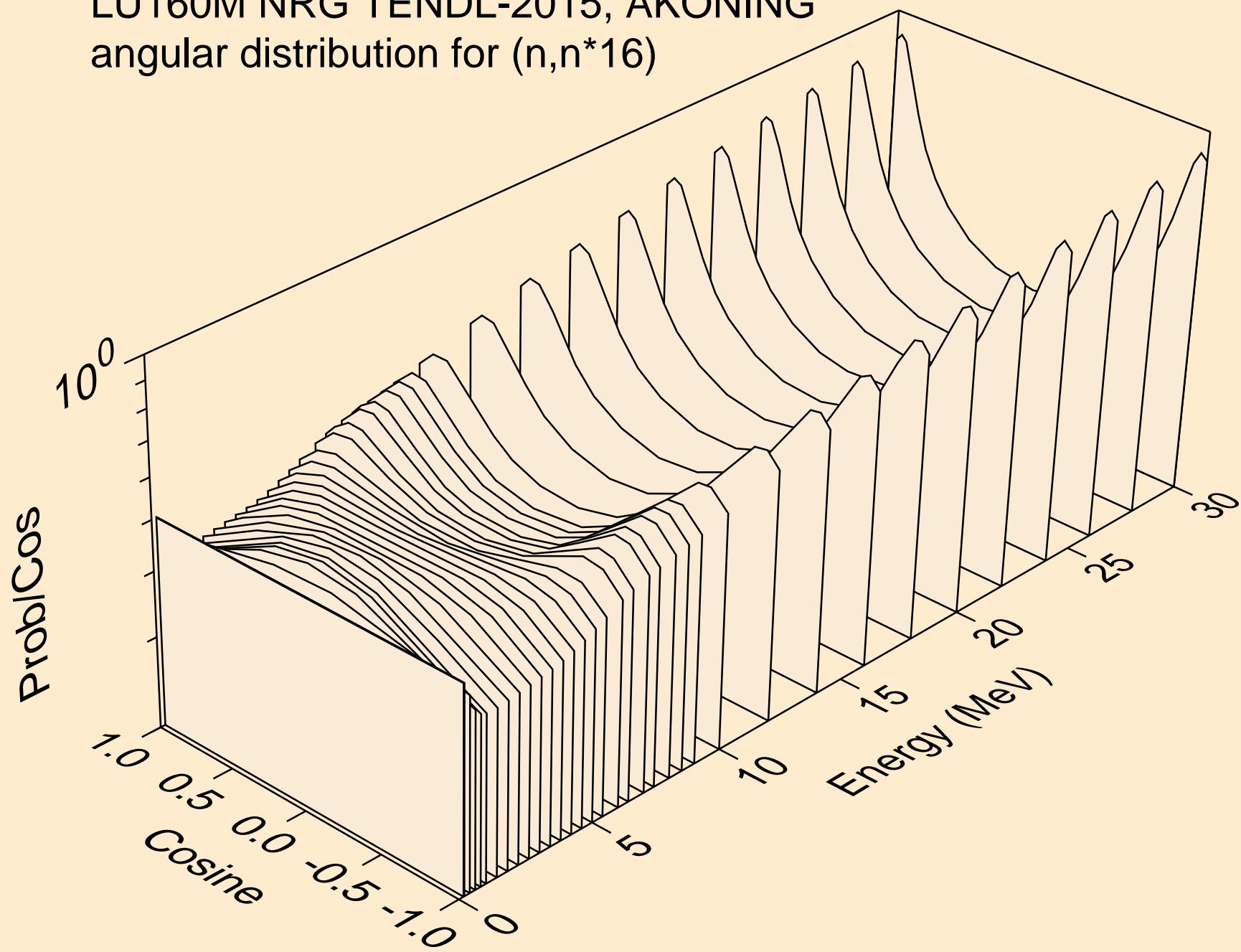
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



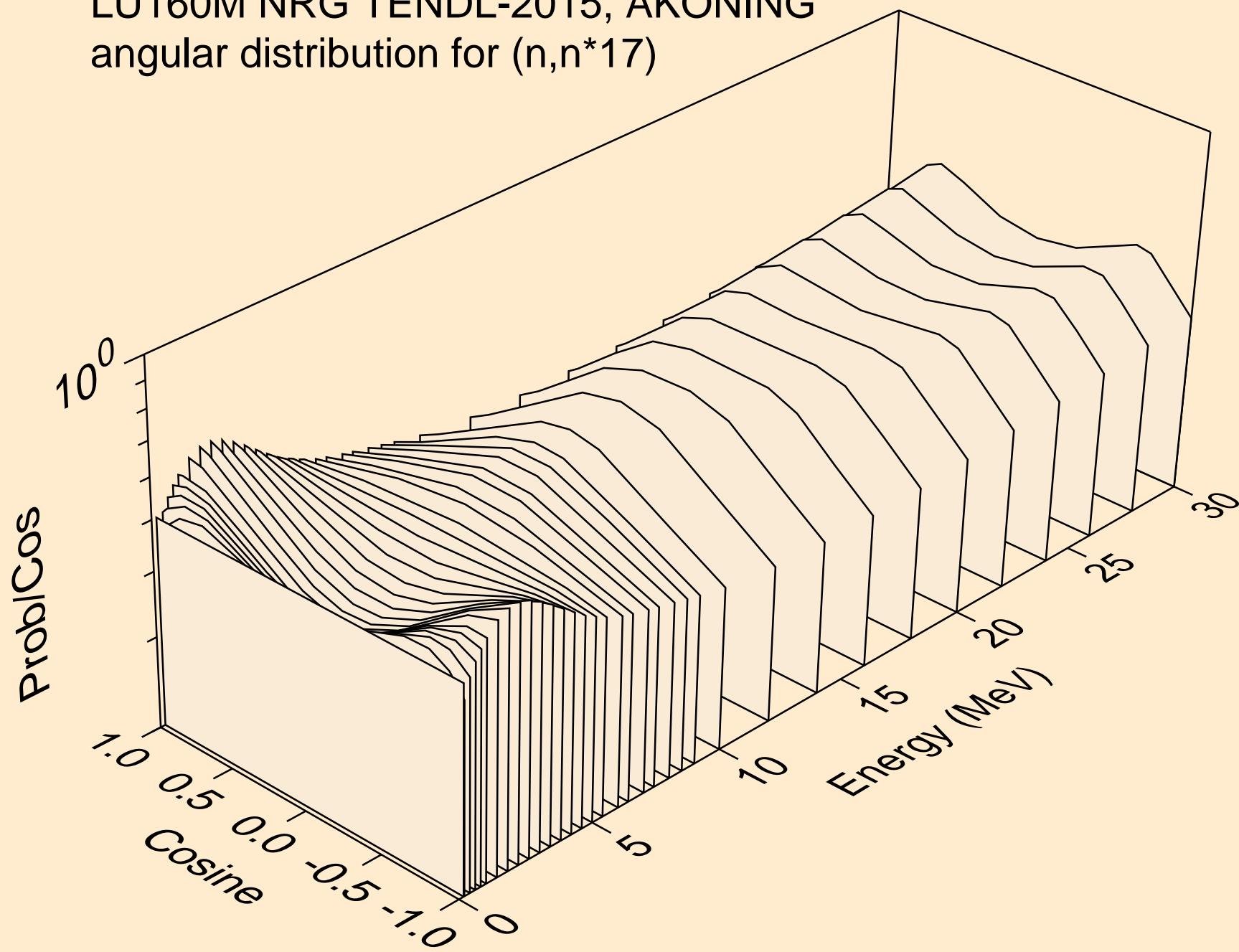
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



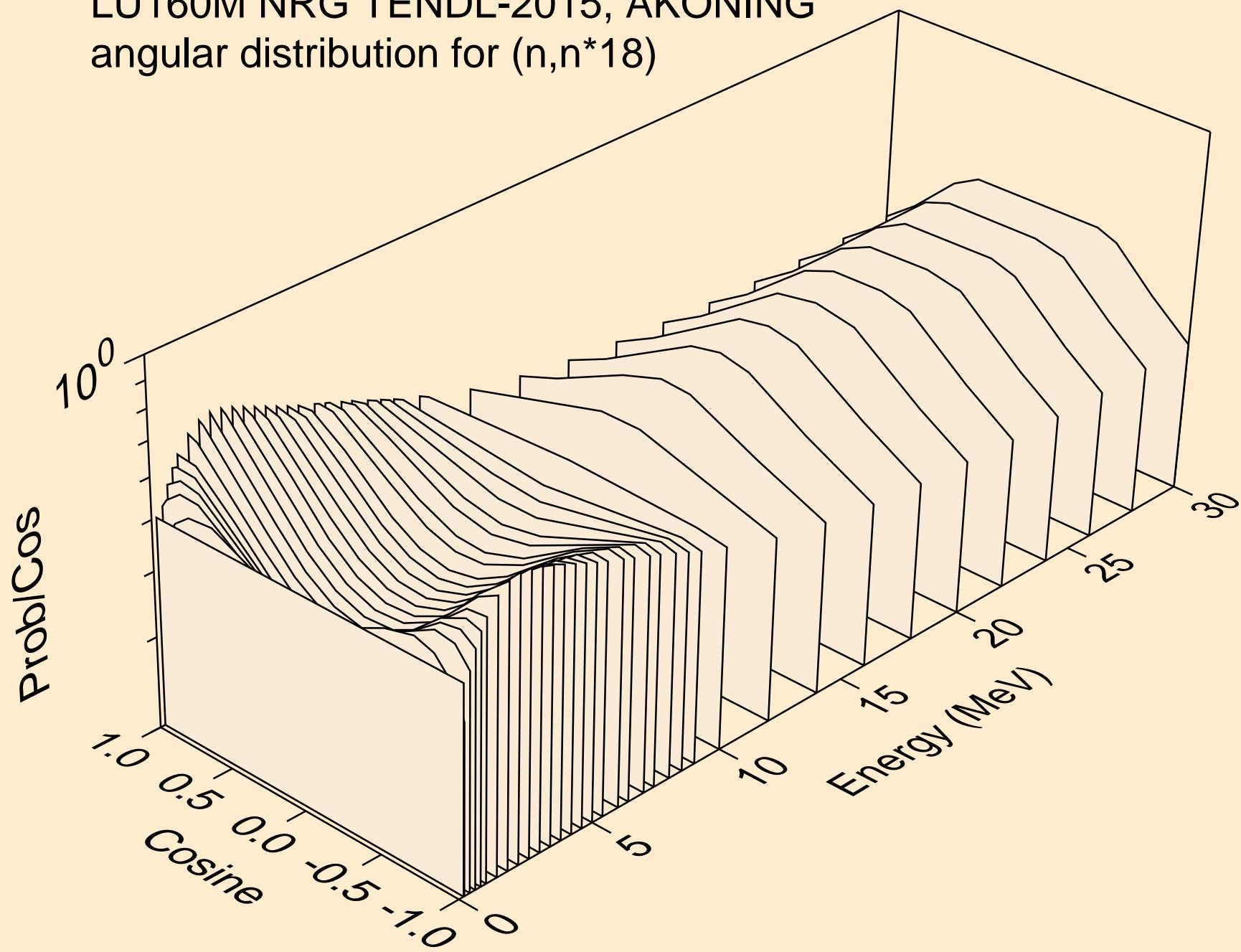
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



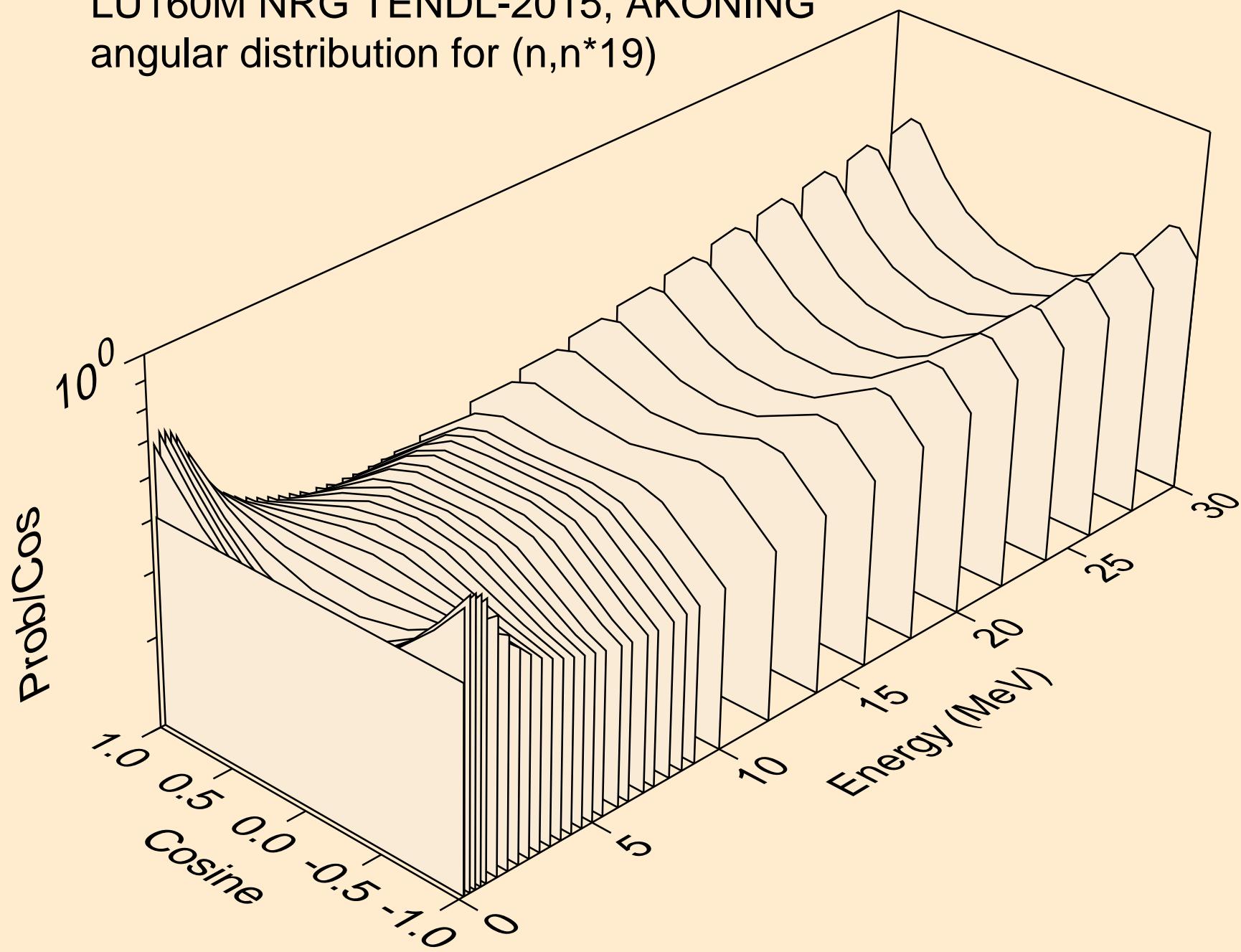
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



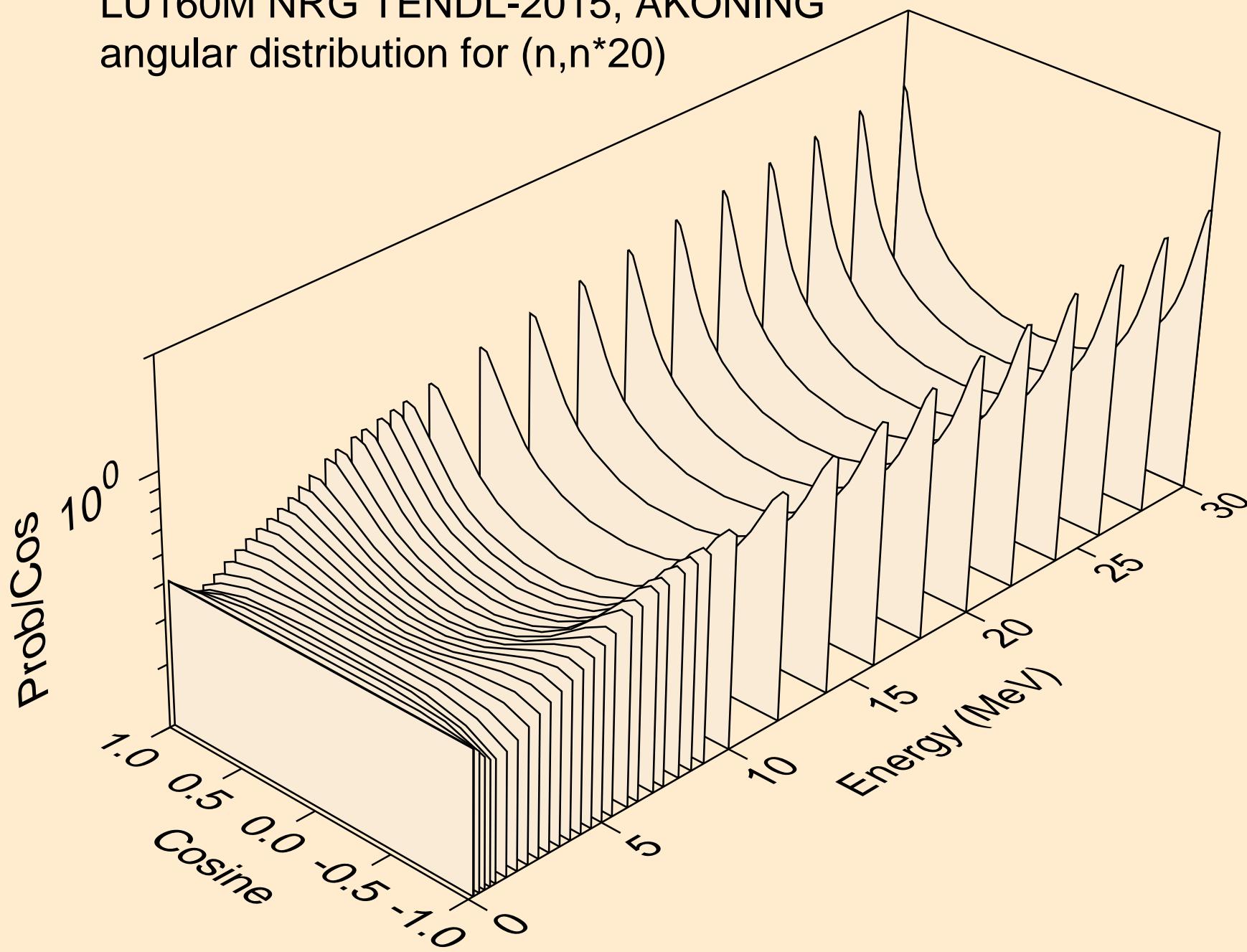
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



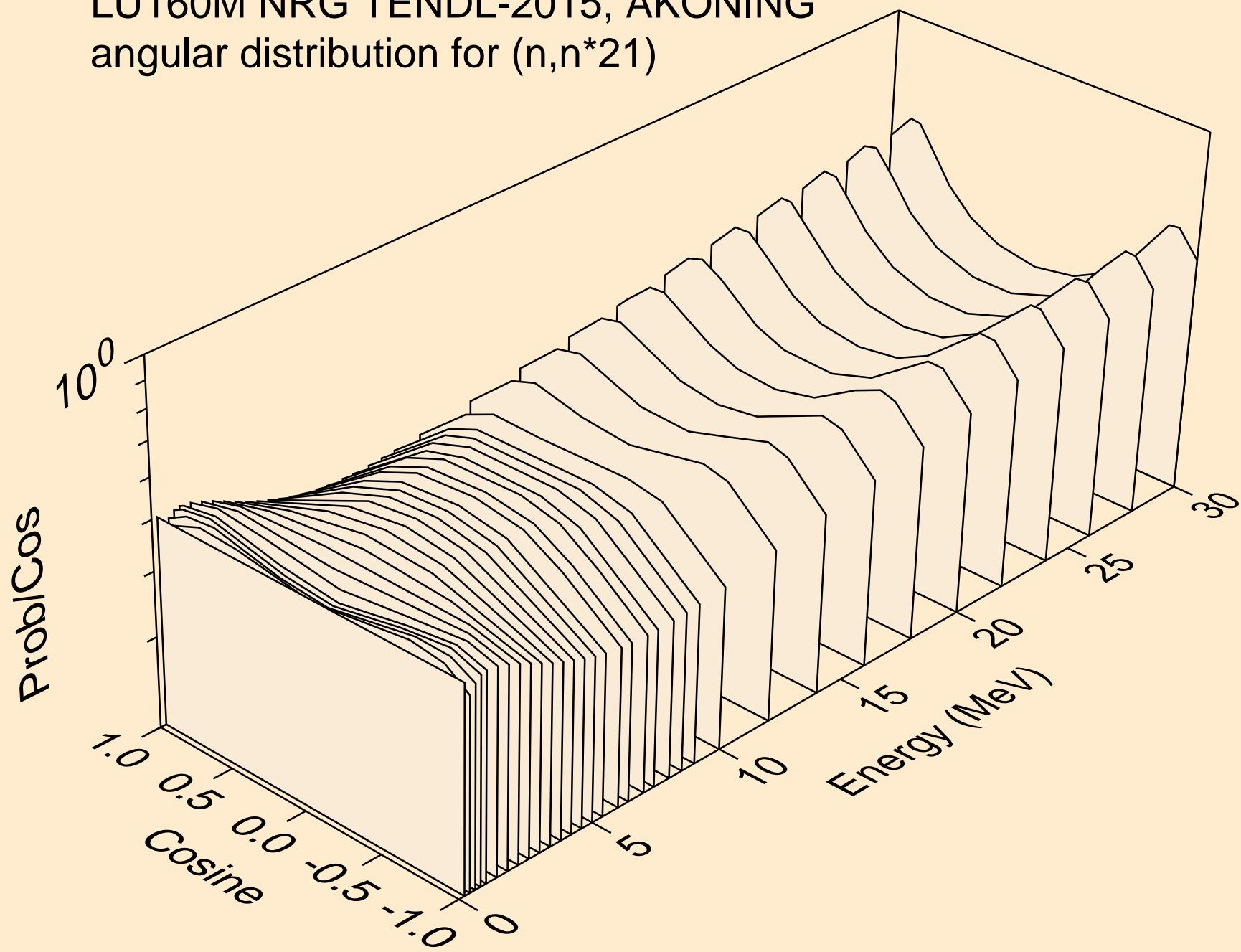
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



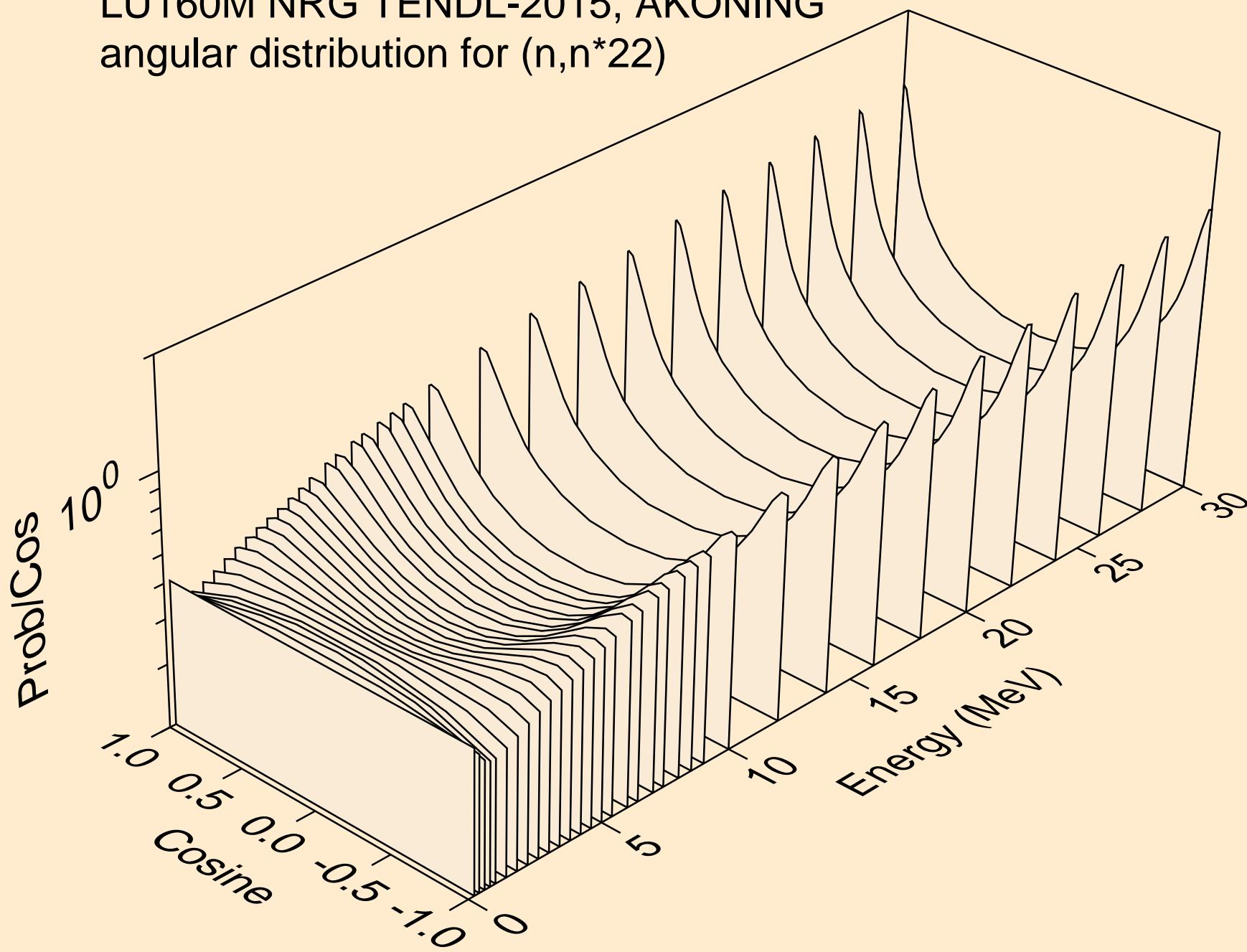
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)20$



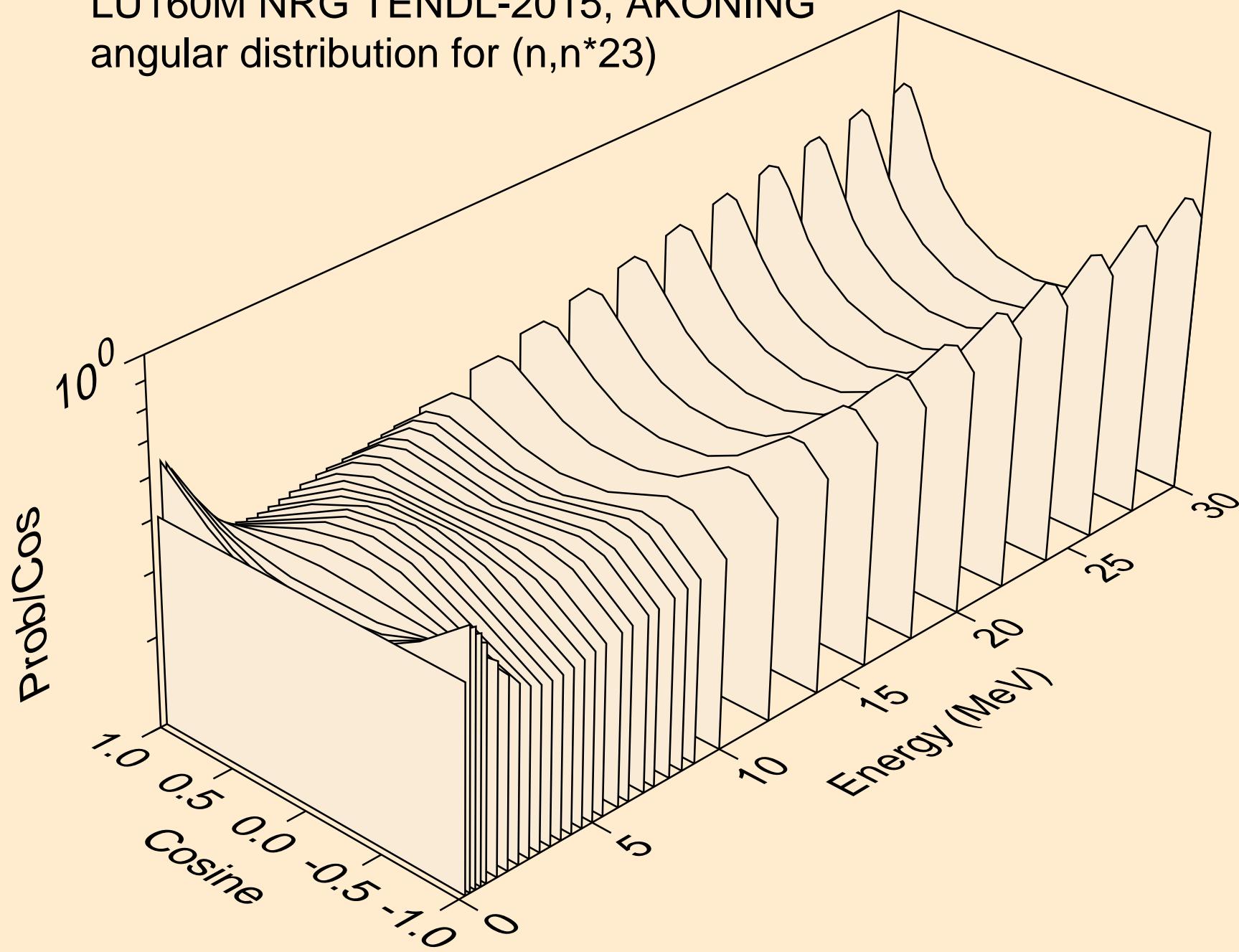
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*21)$



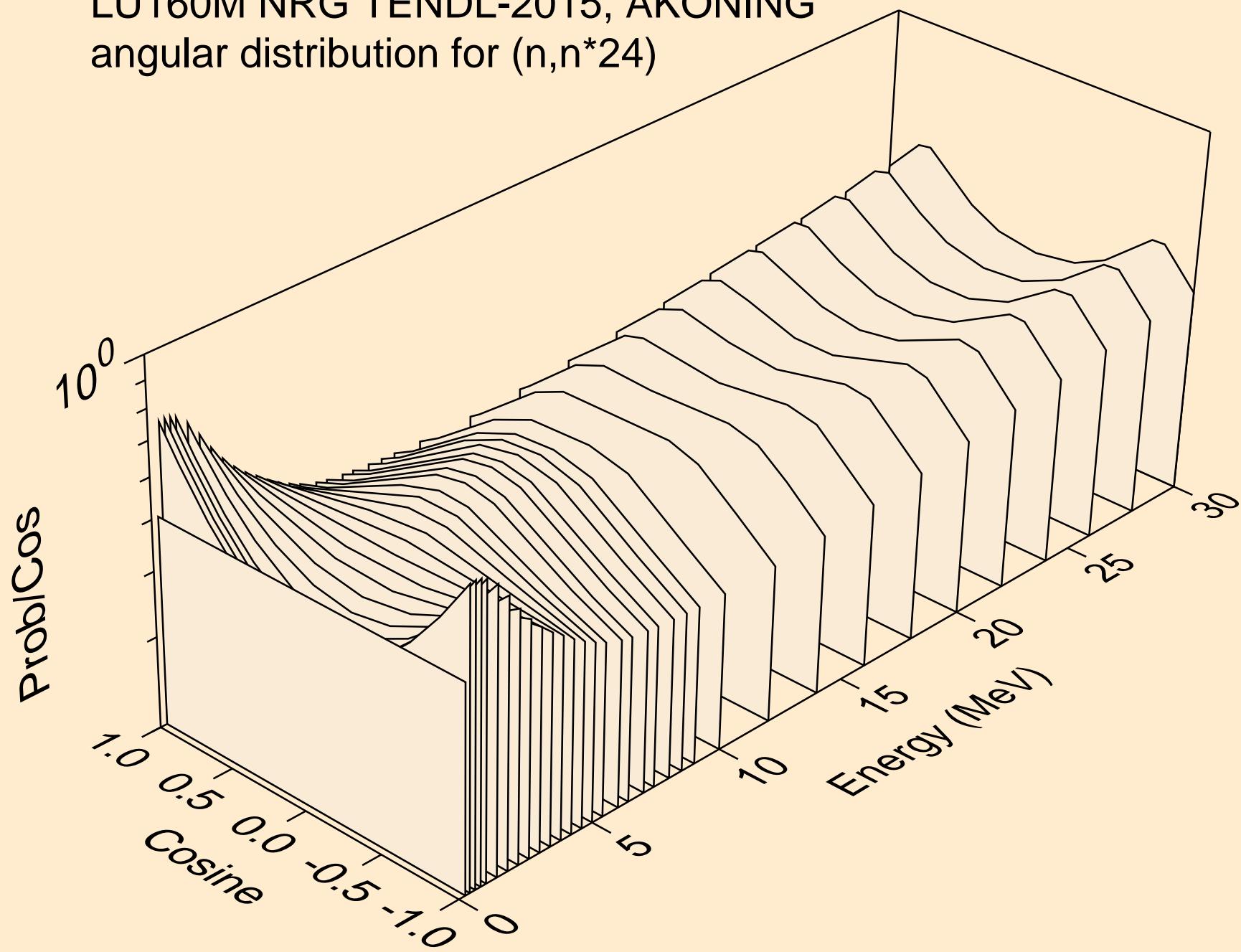
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{22}$



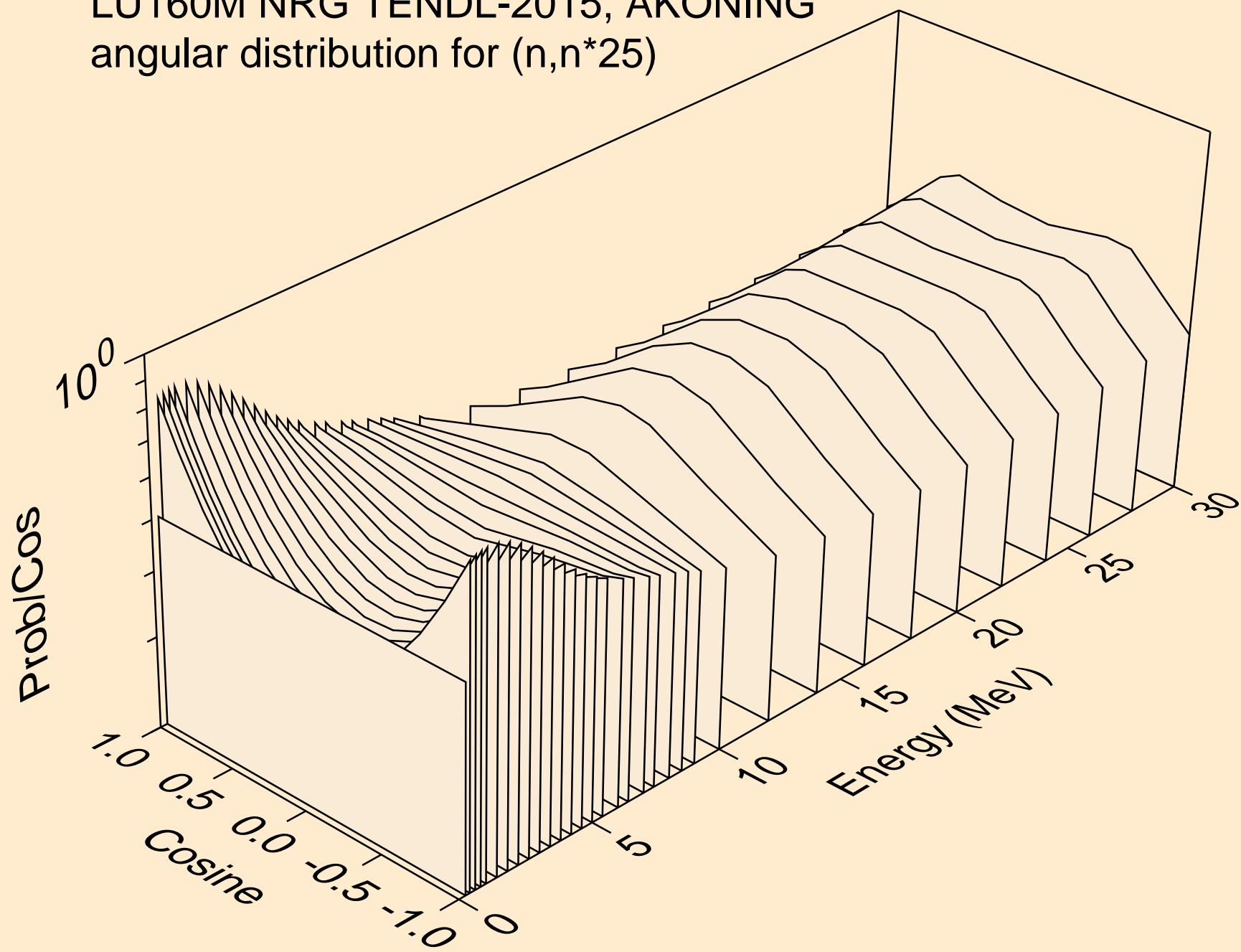
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



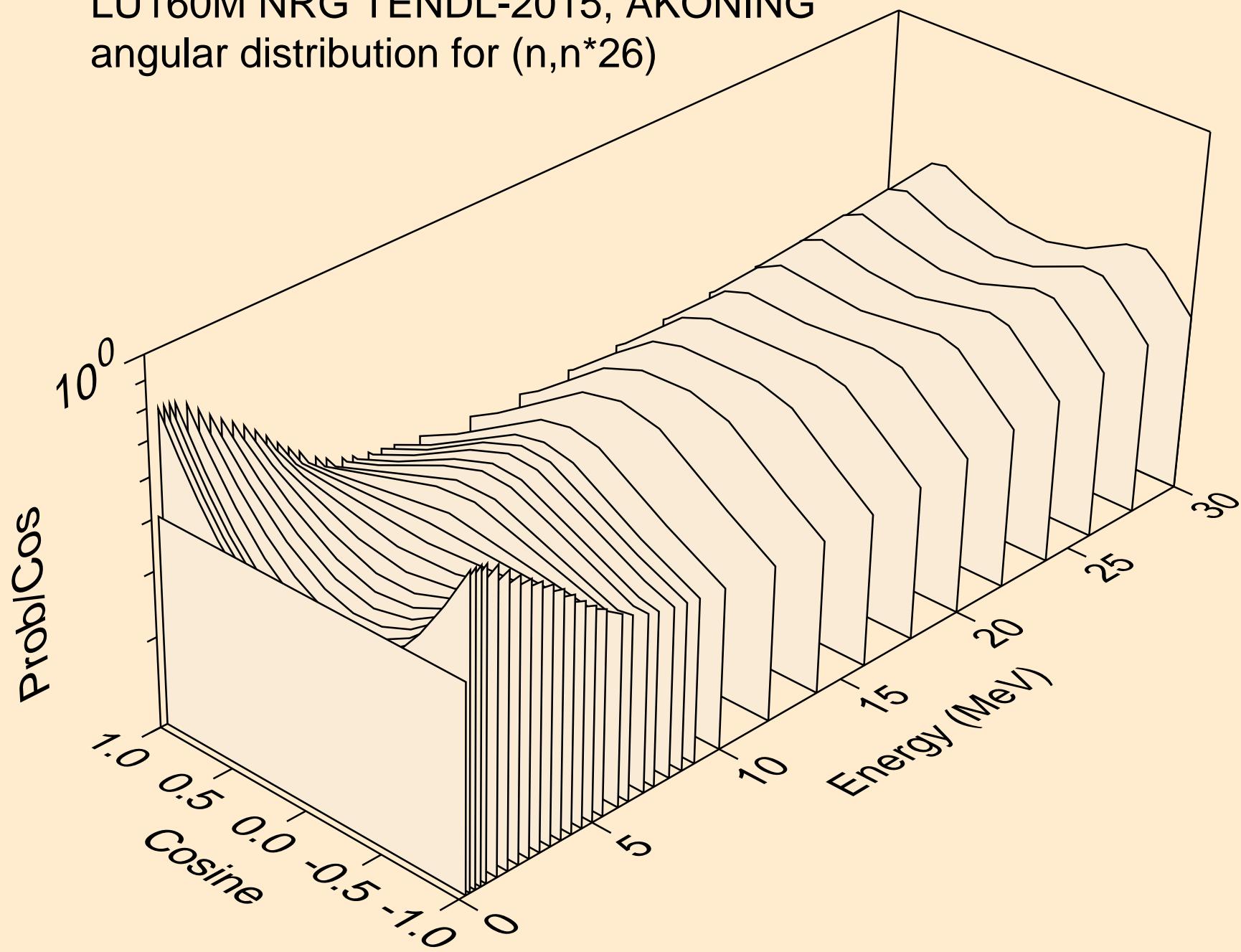
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



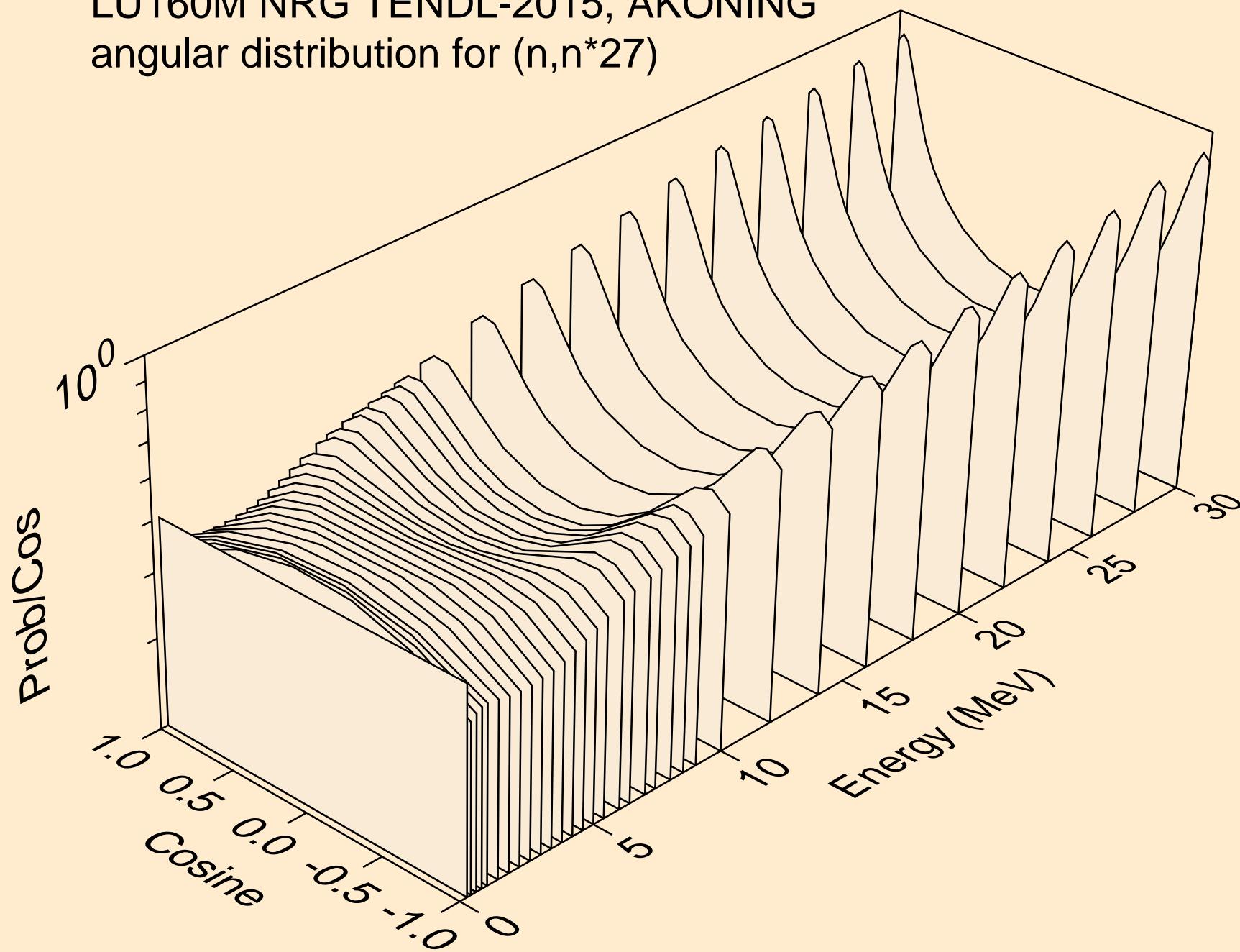
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



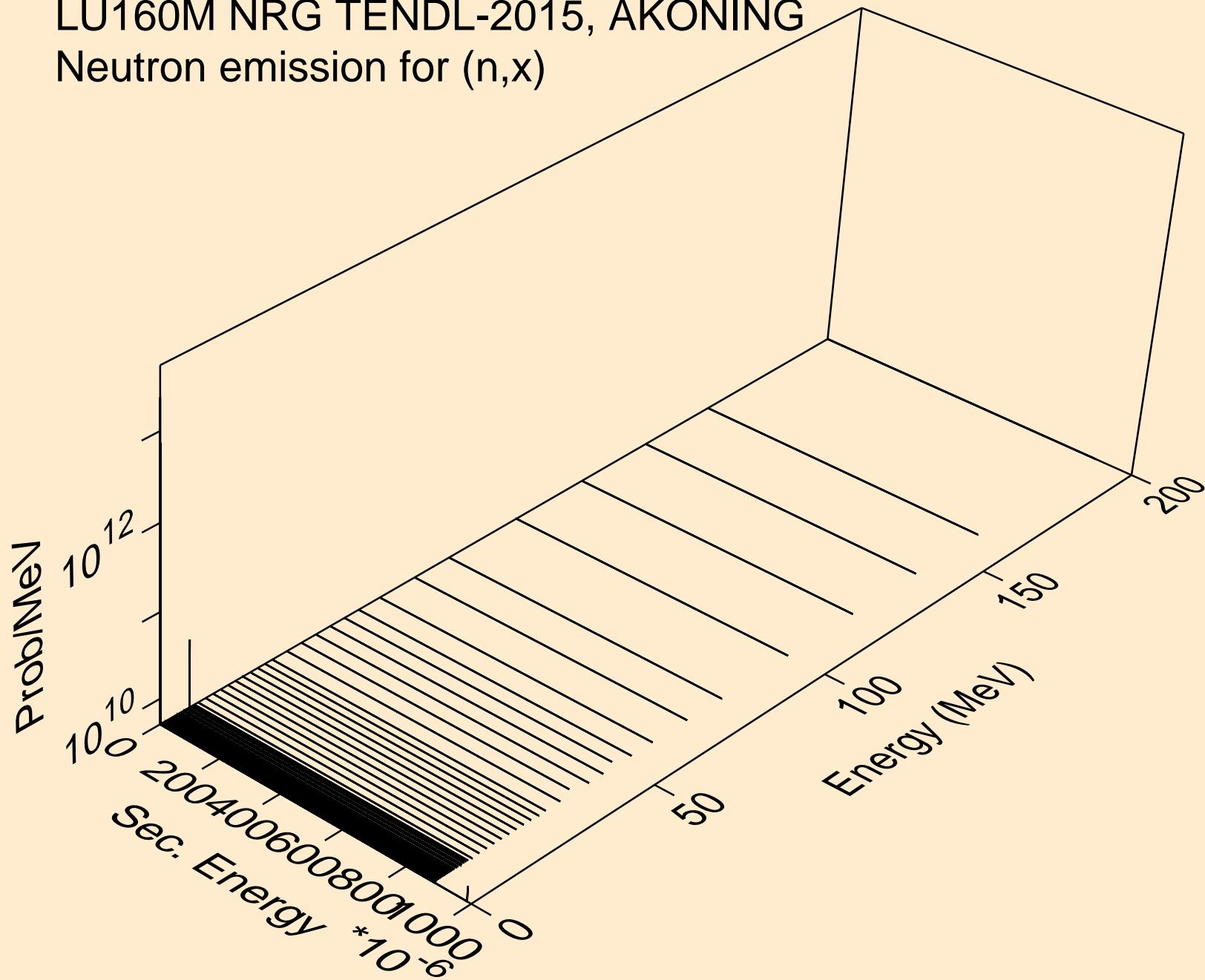
LU160M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



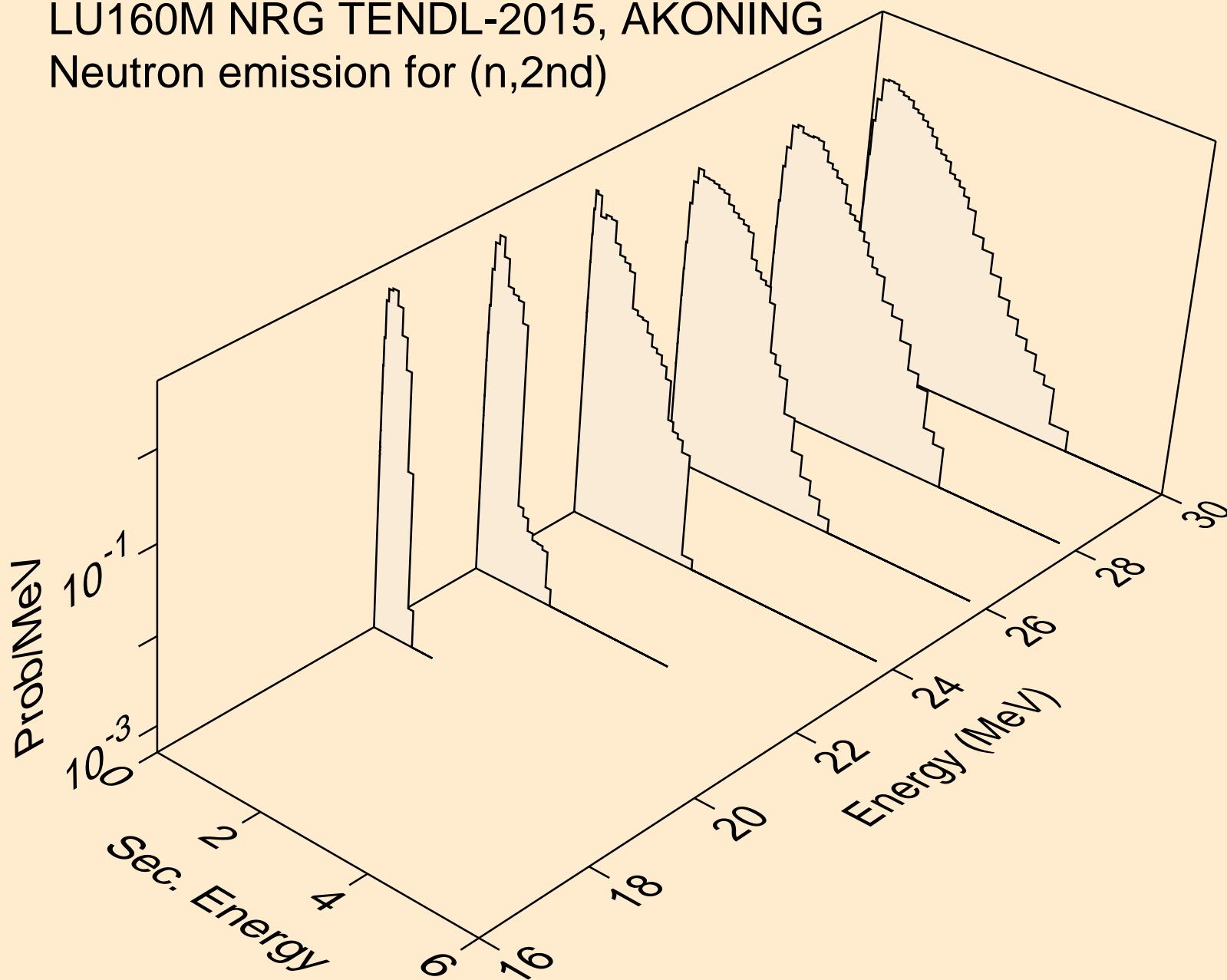
LU160M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*27)$



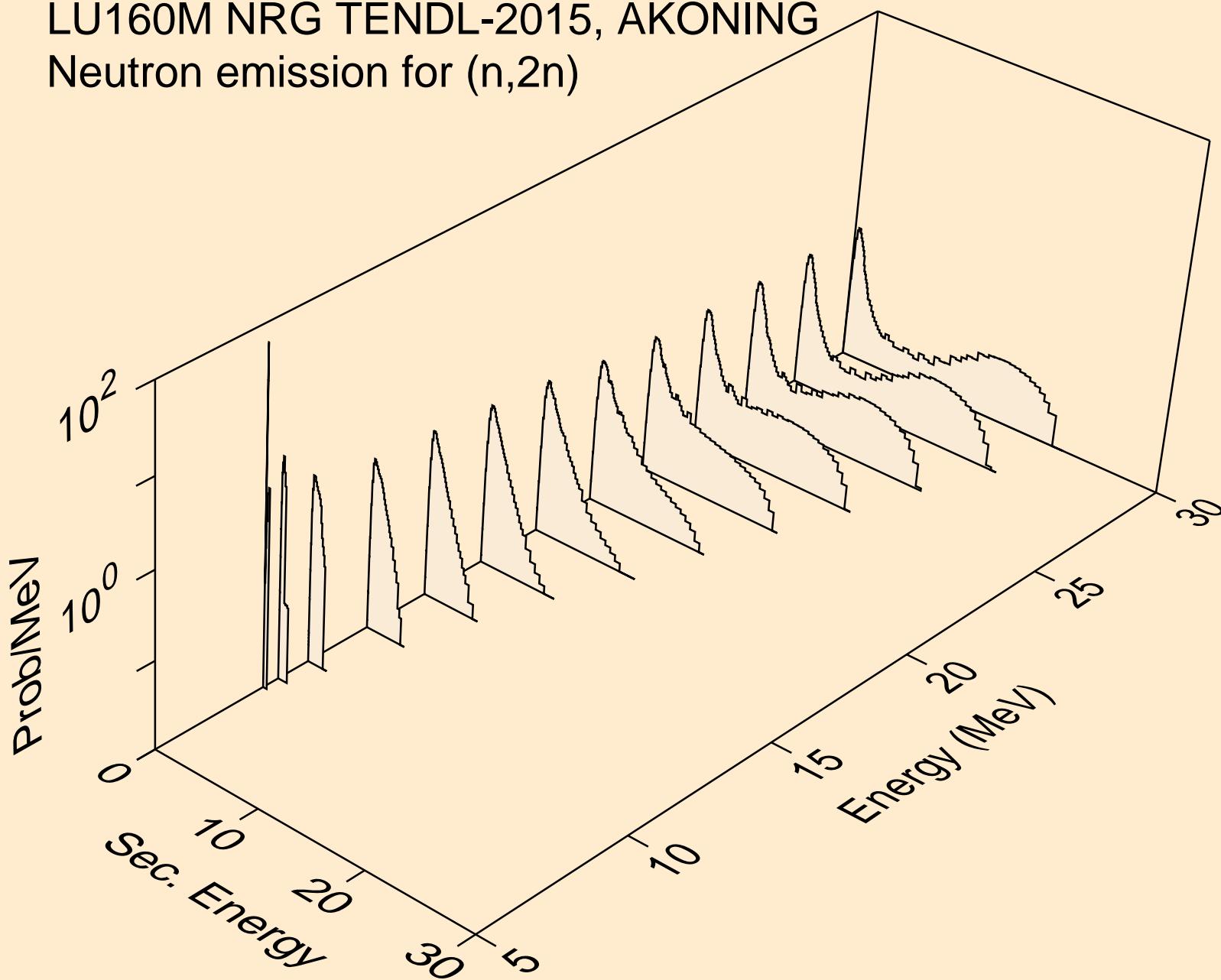
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



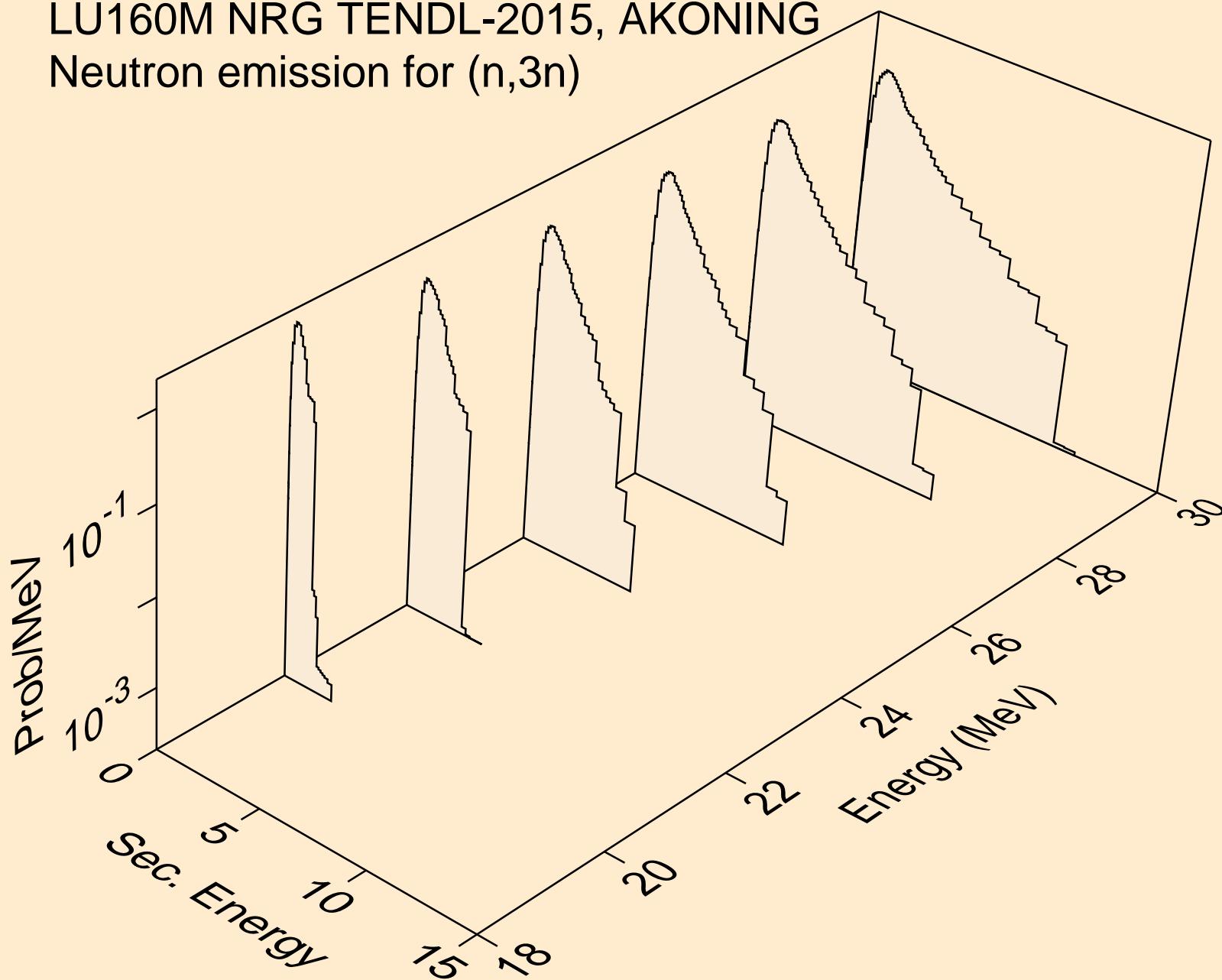
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



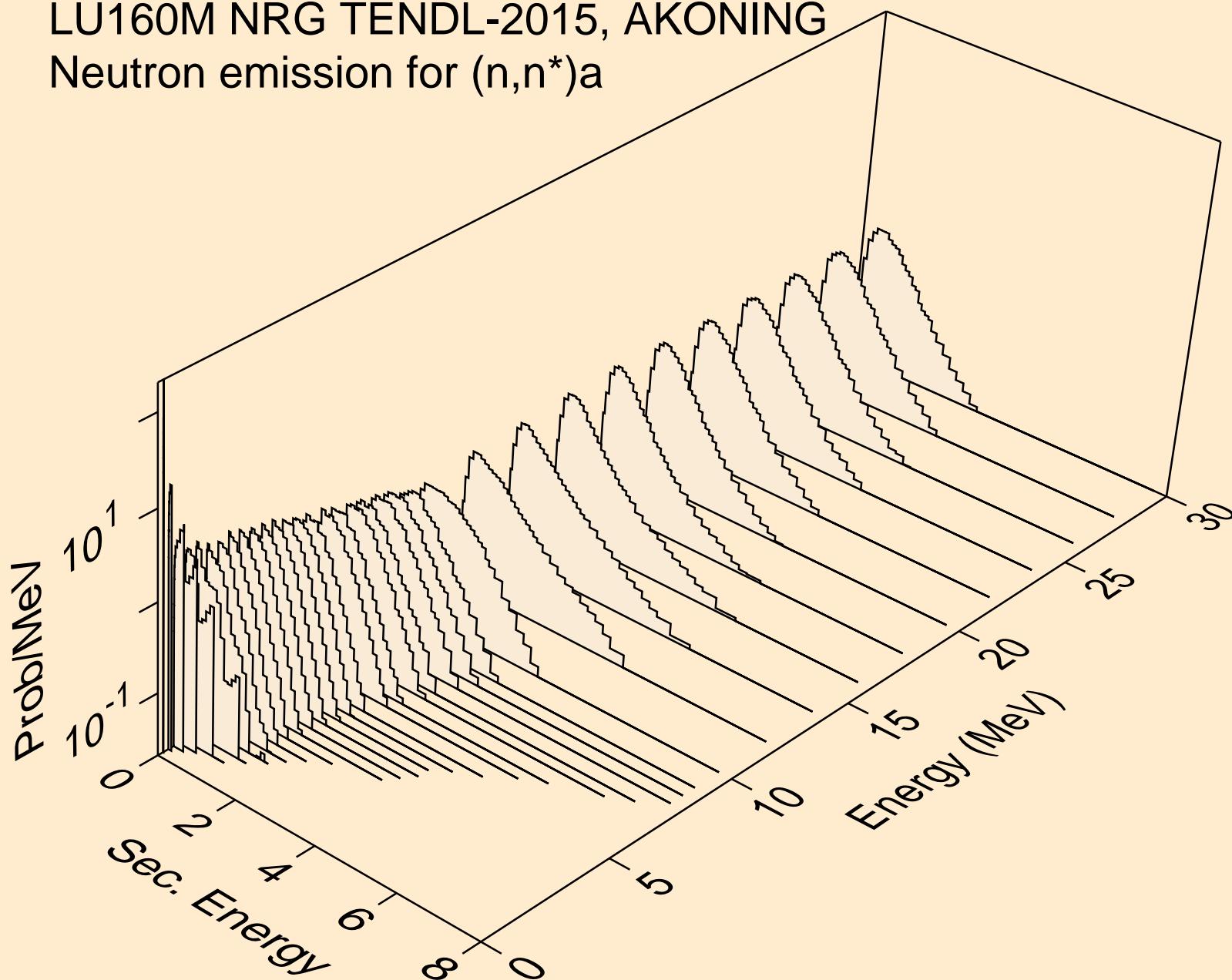
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



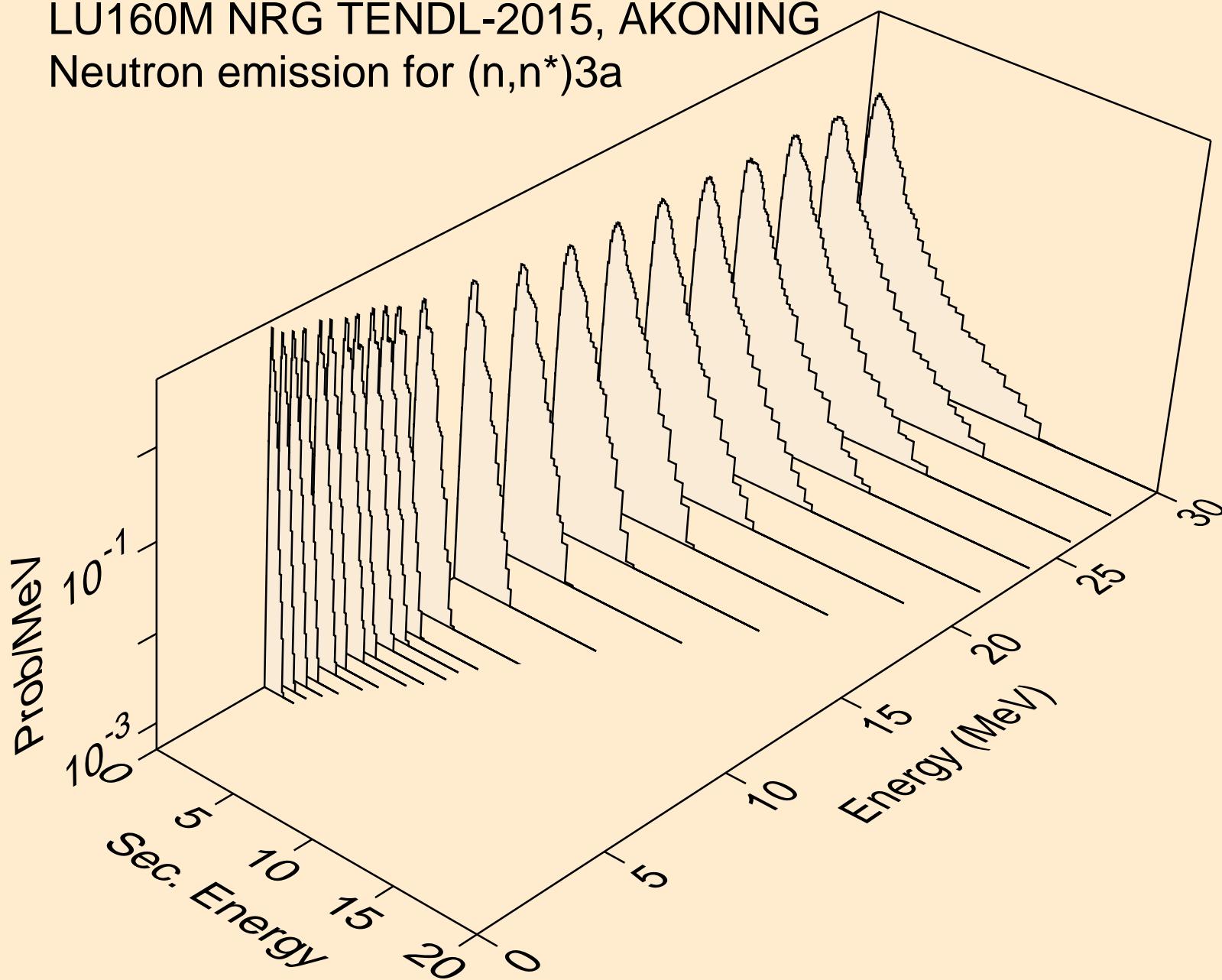
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



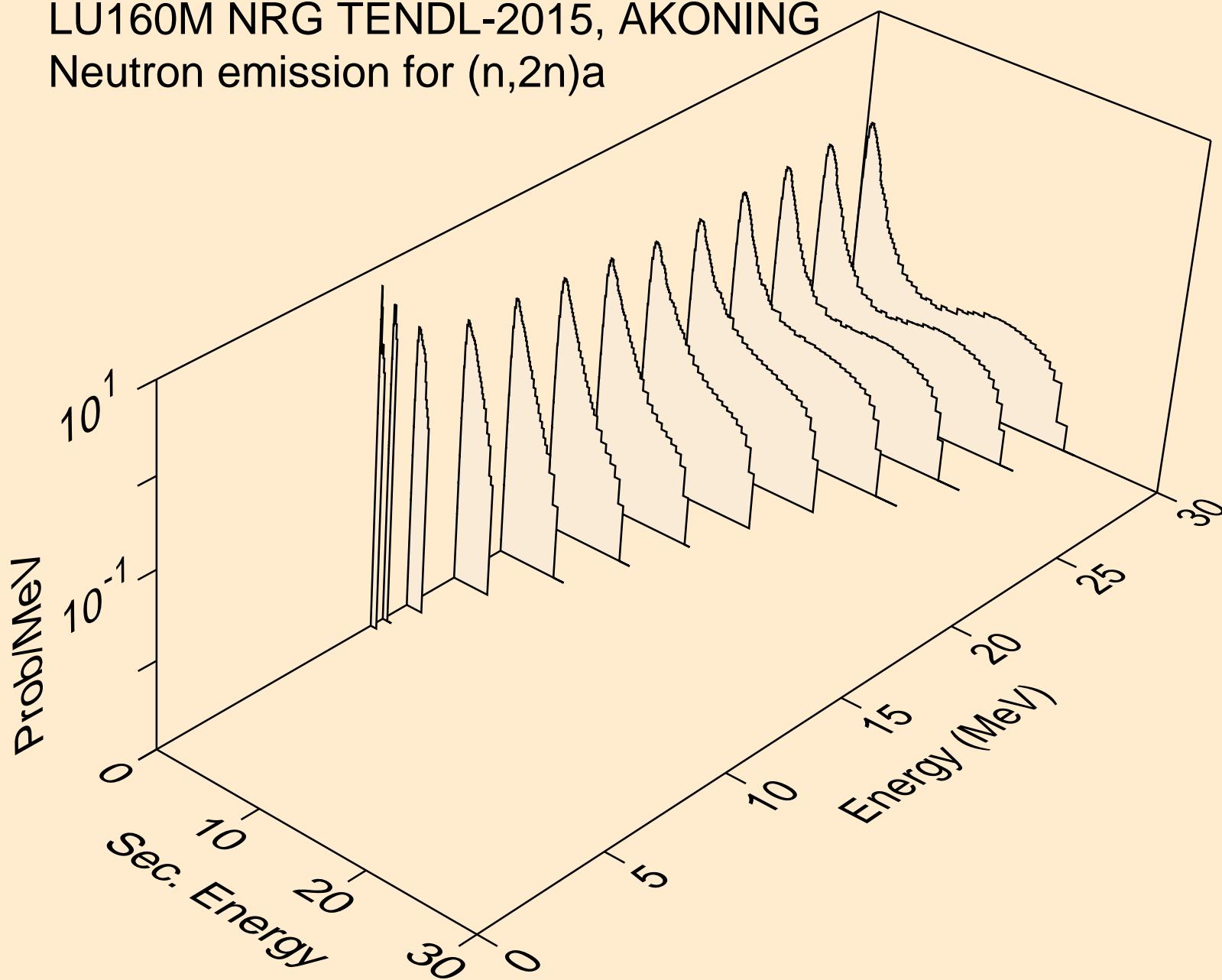
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



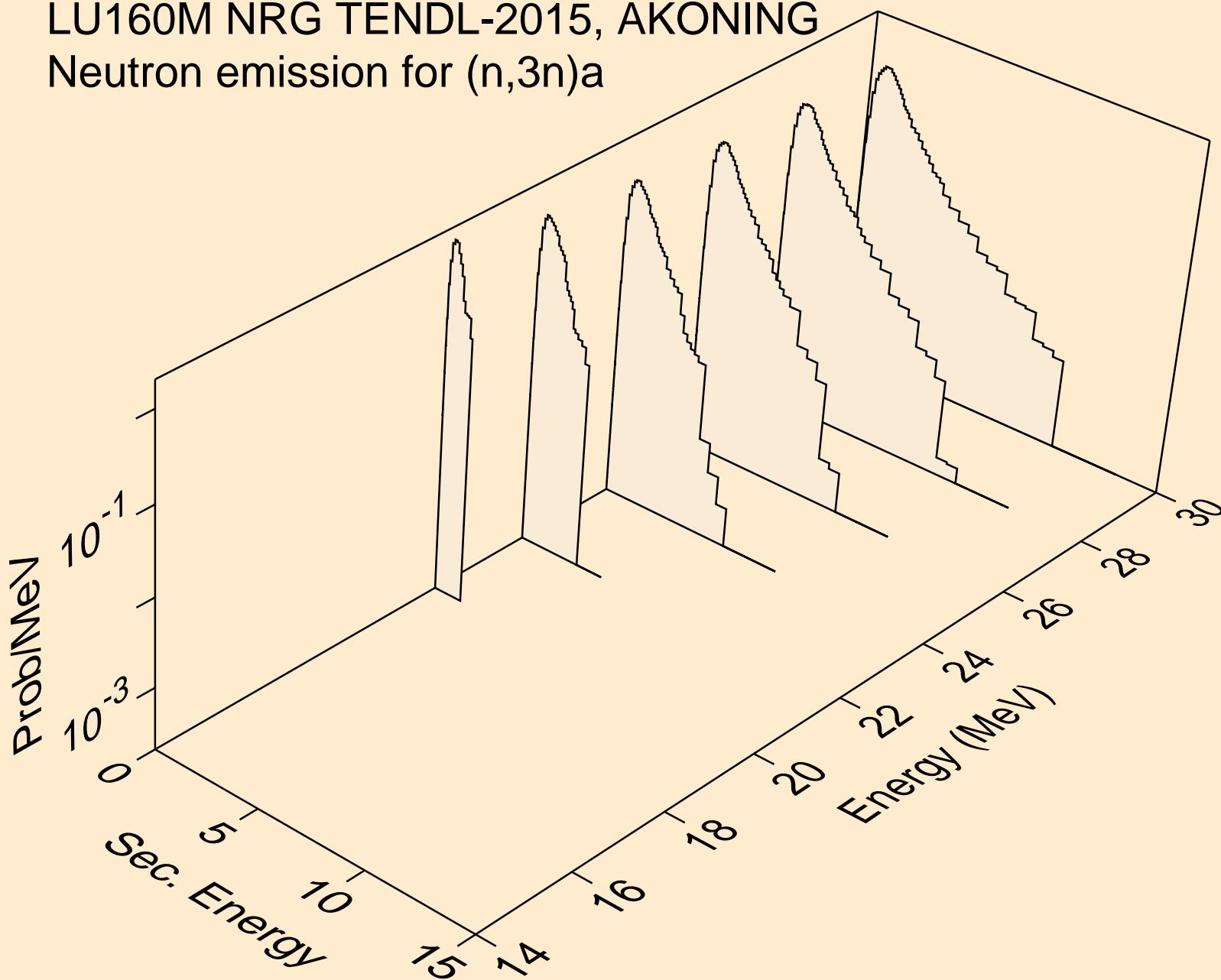
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)3a$



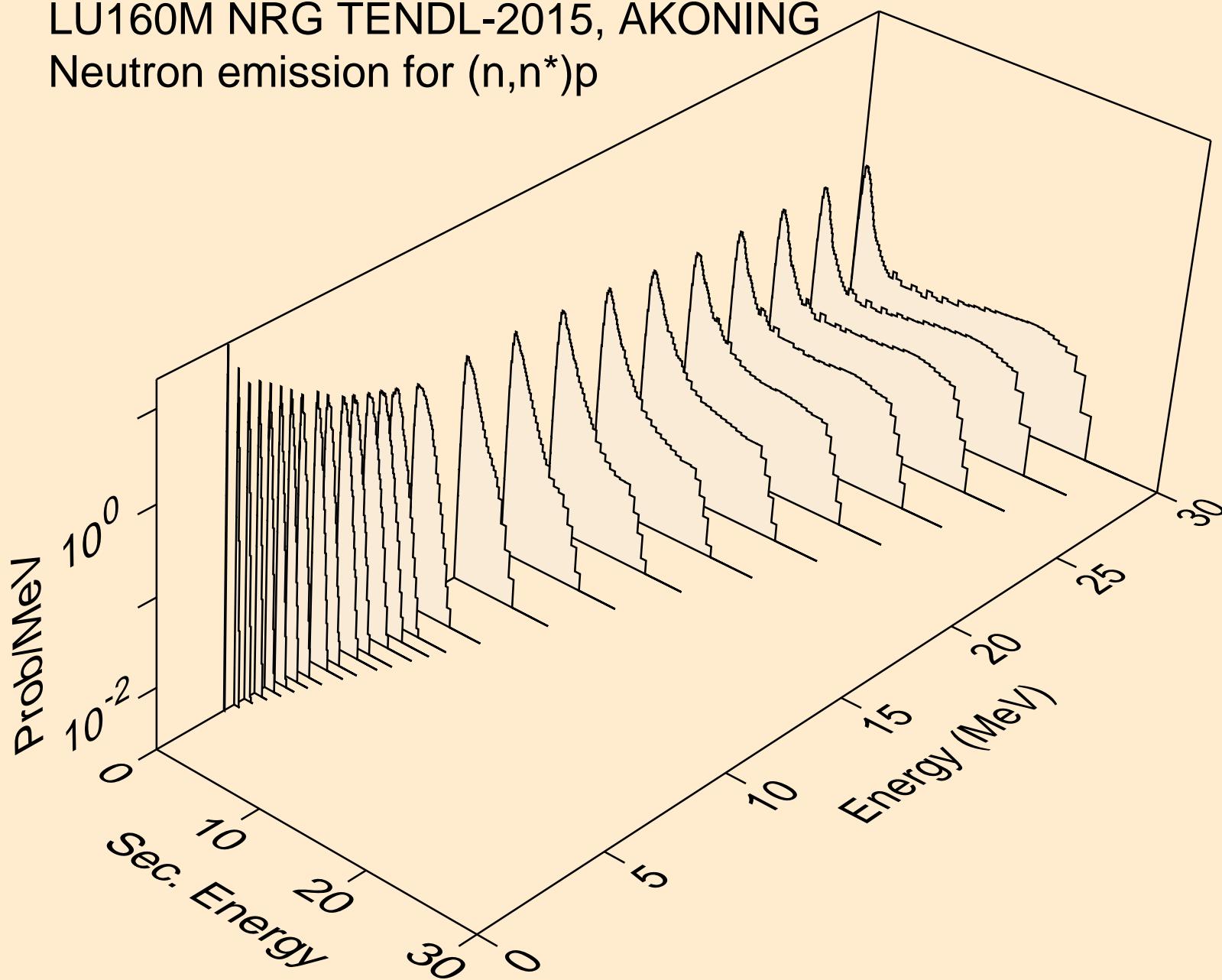
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



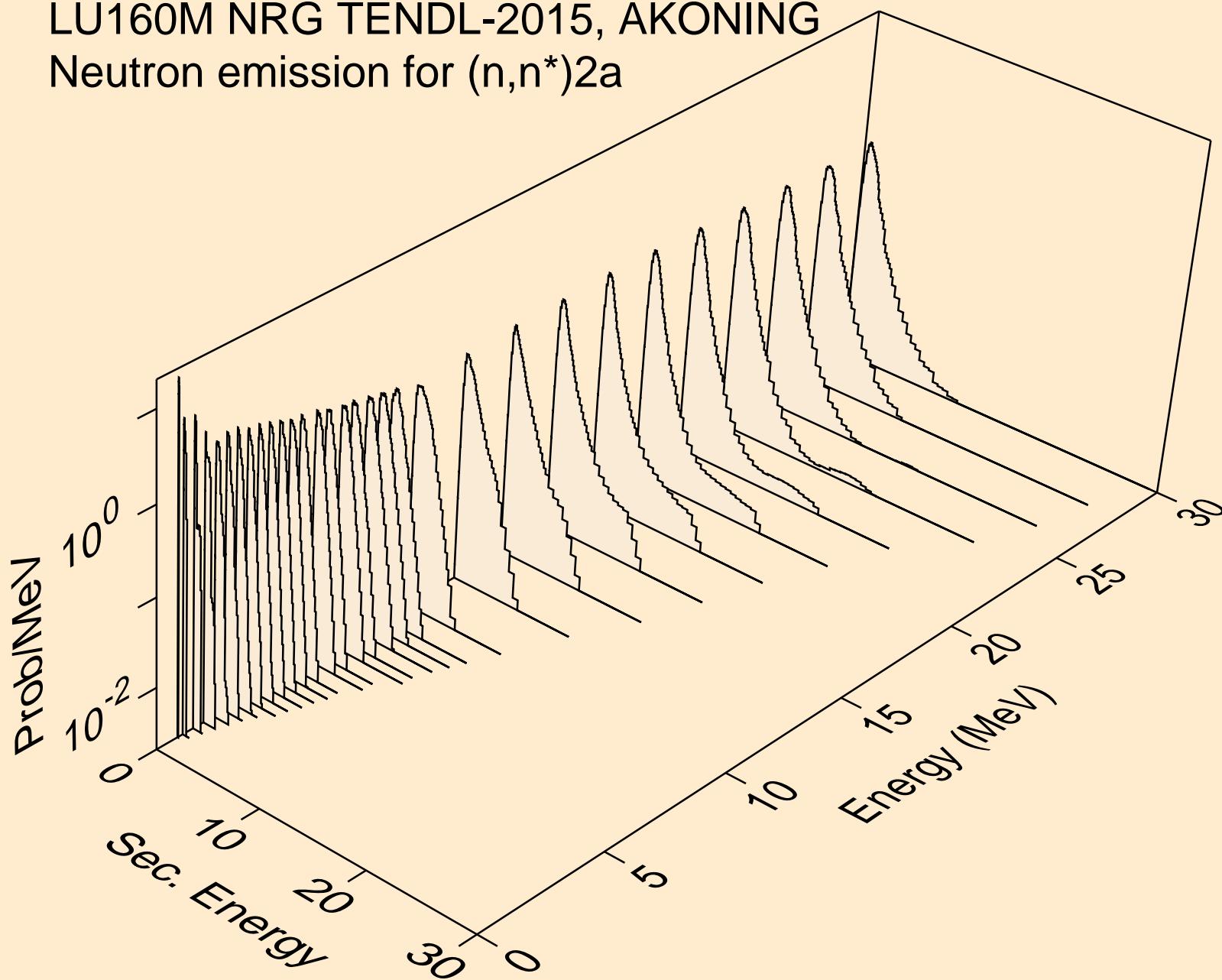
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



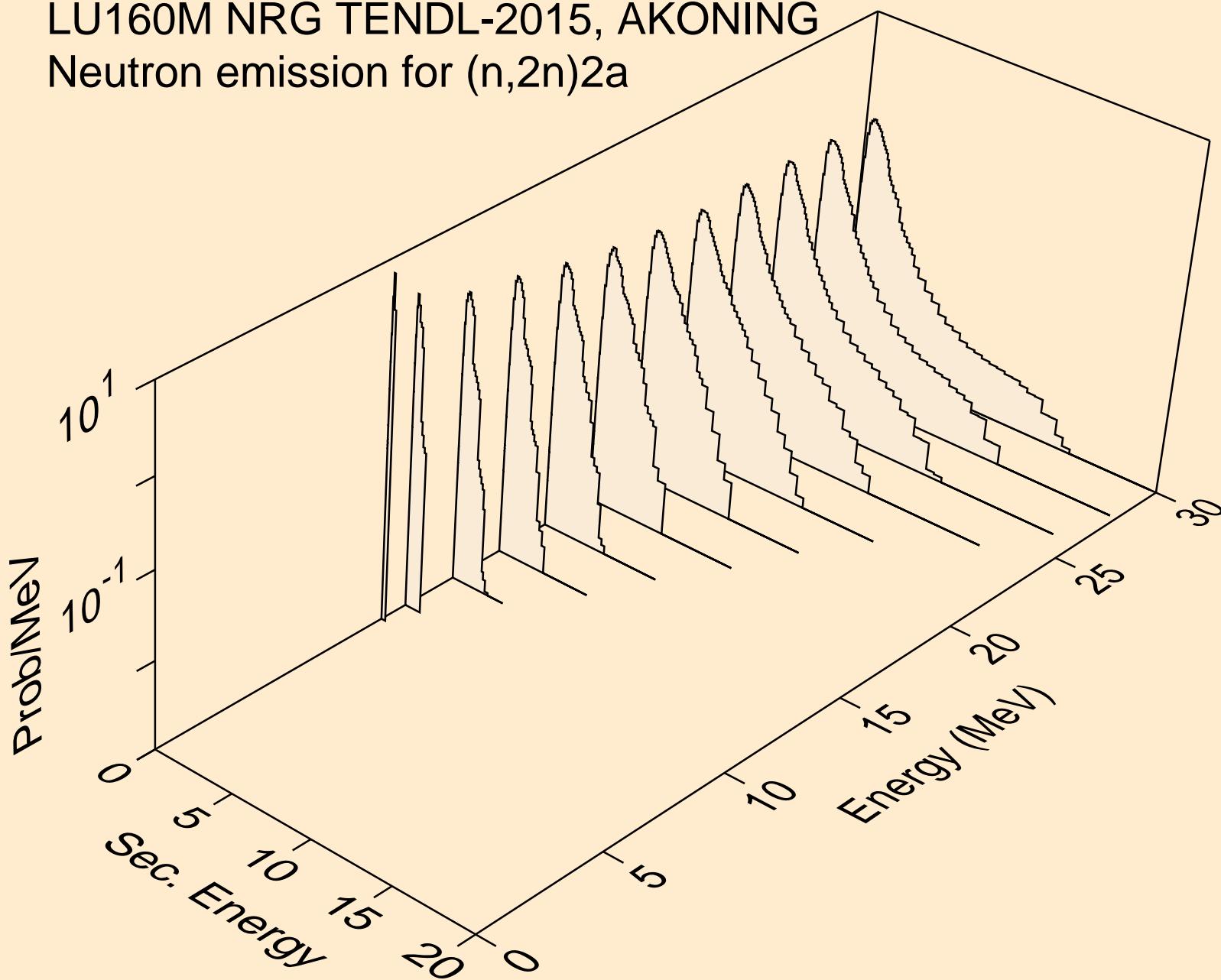
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



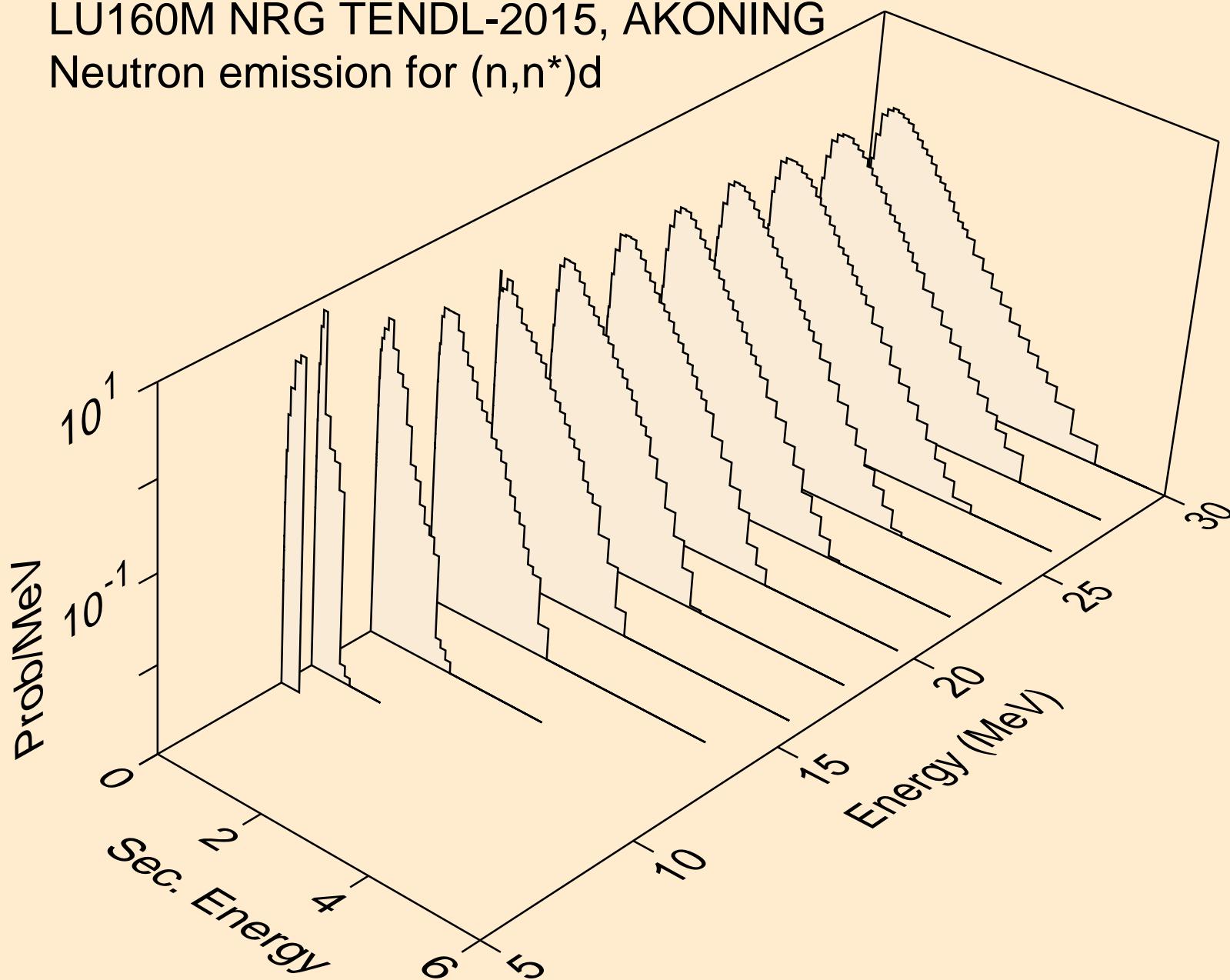
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



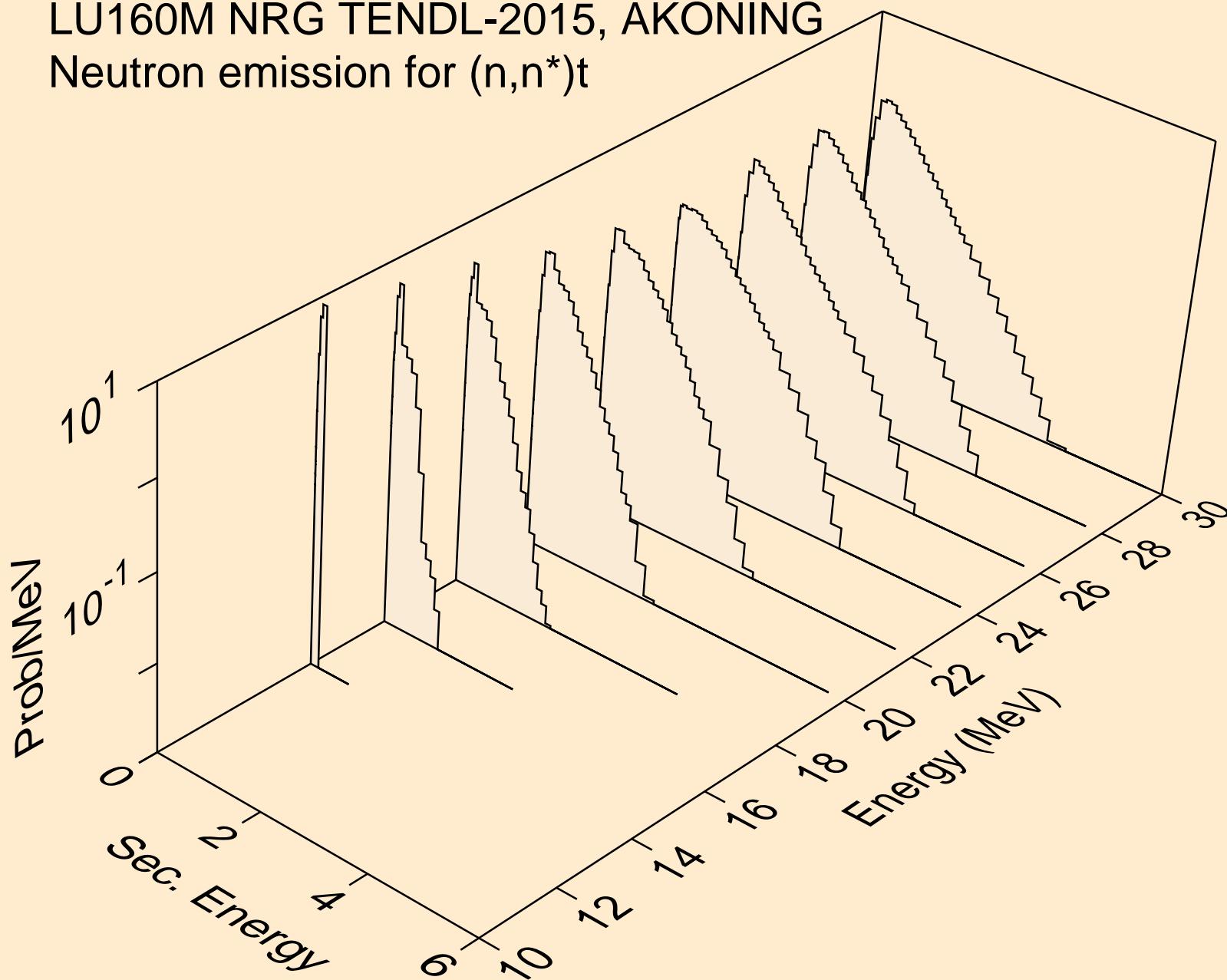
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



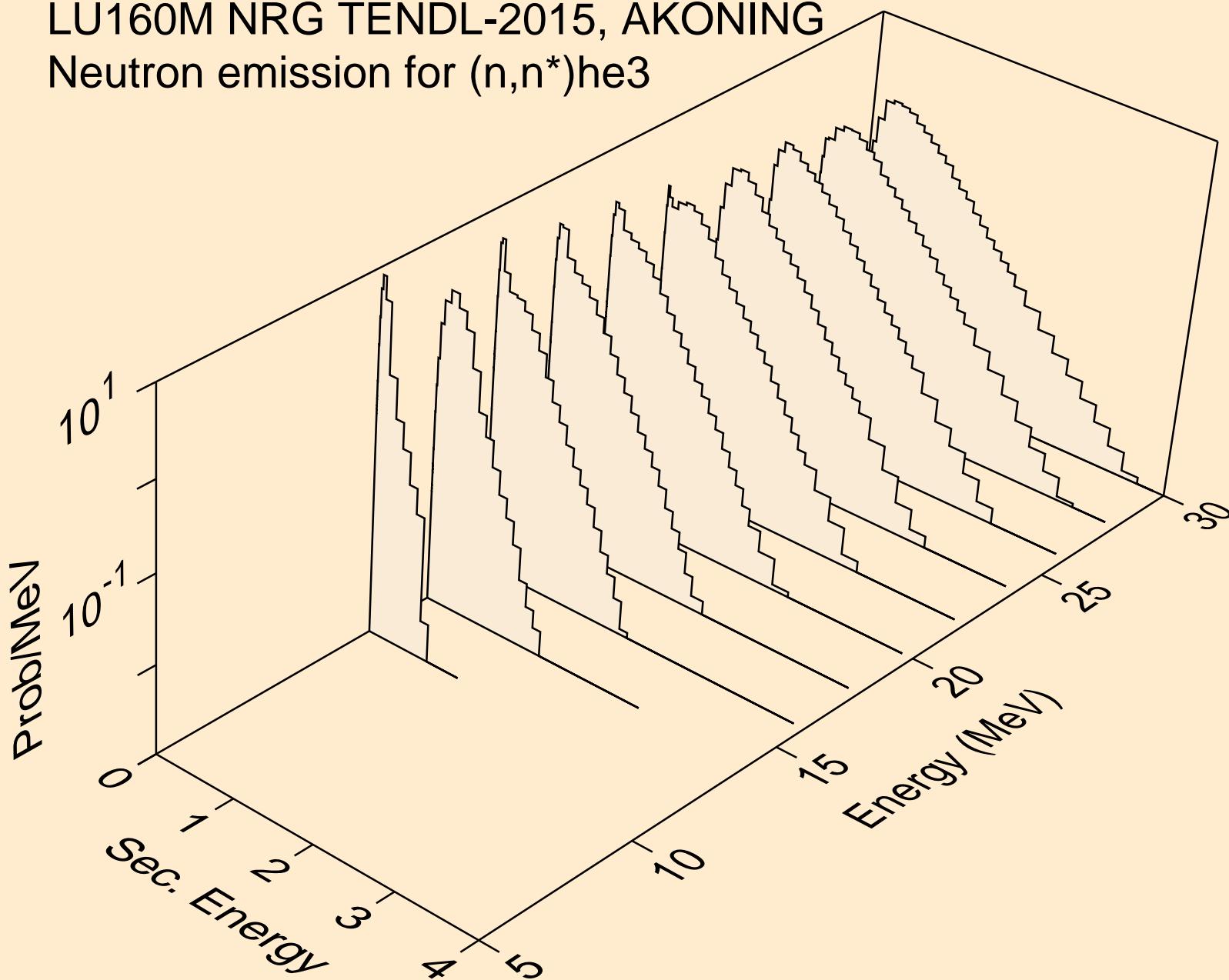
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



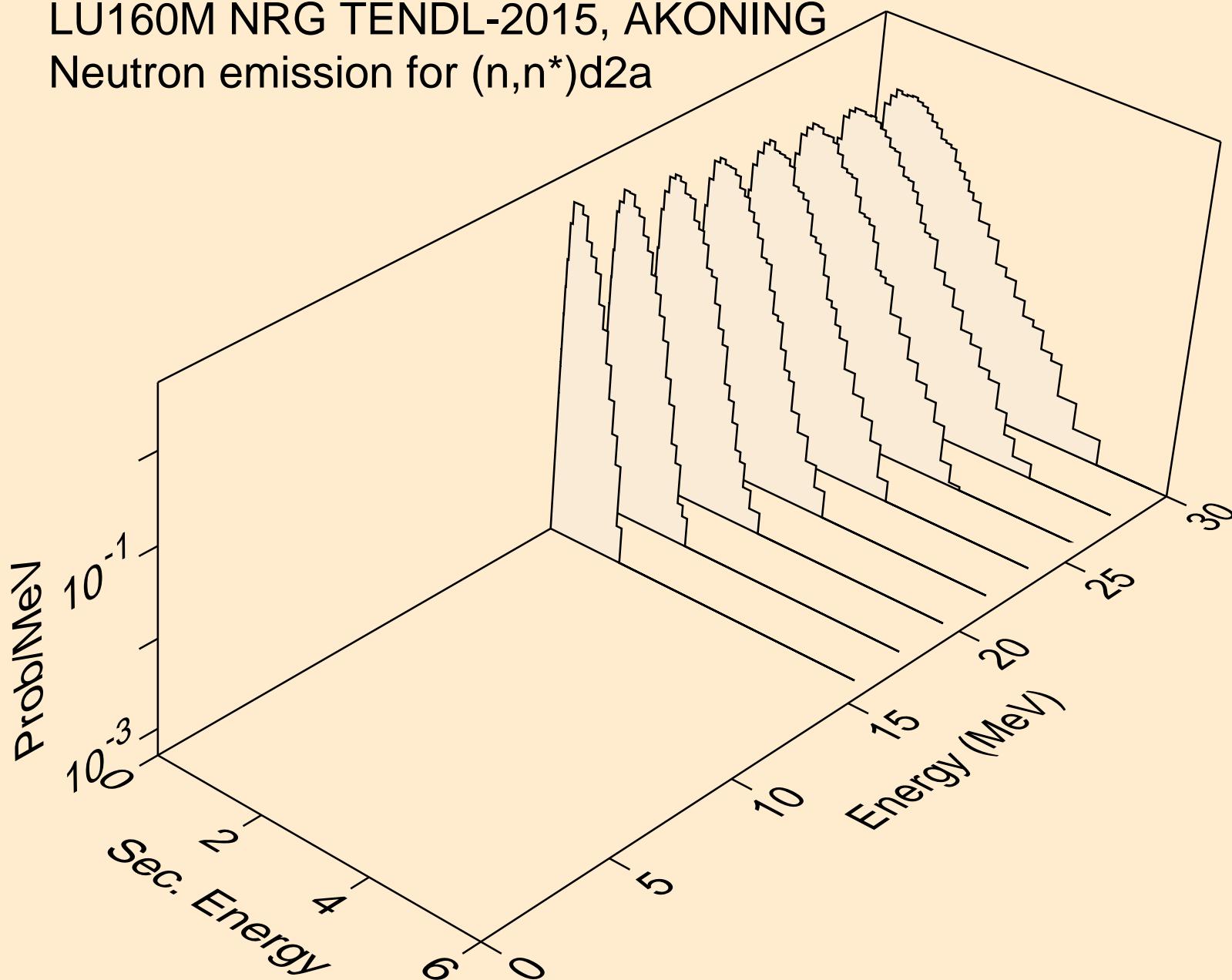
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



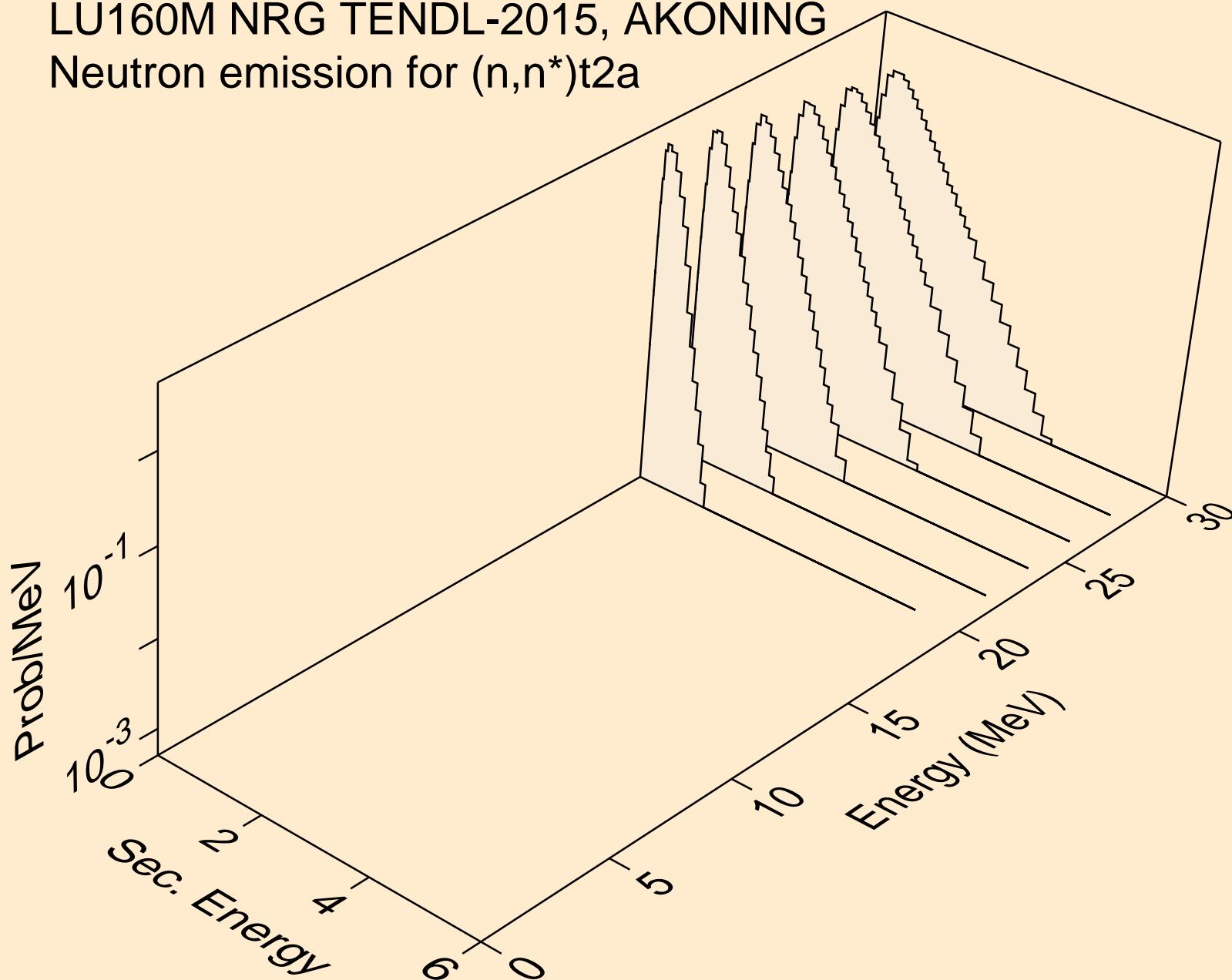
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he}3$



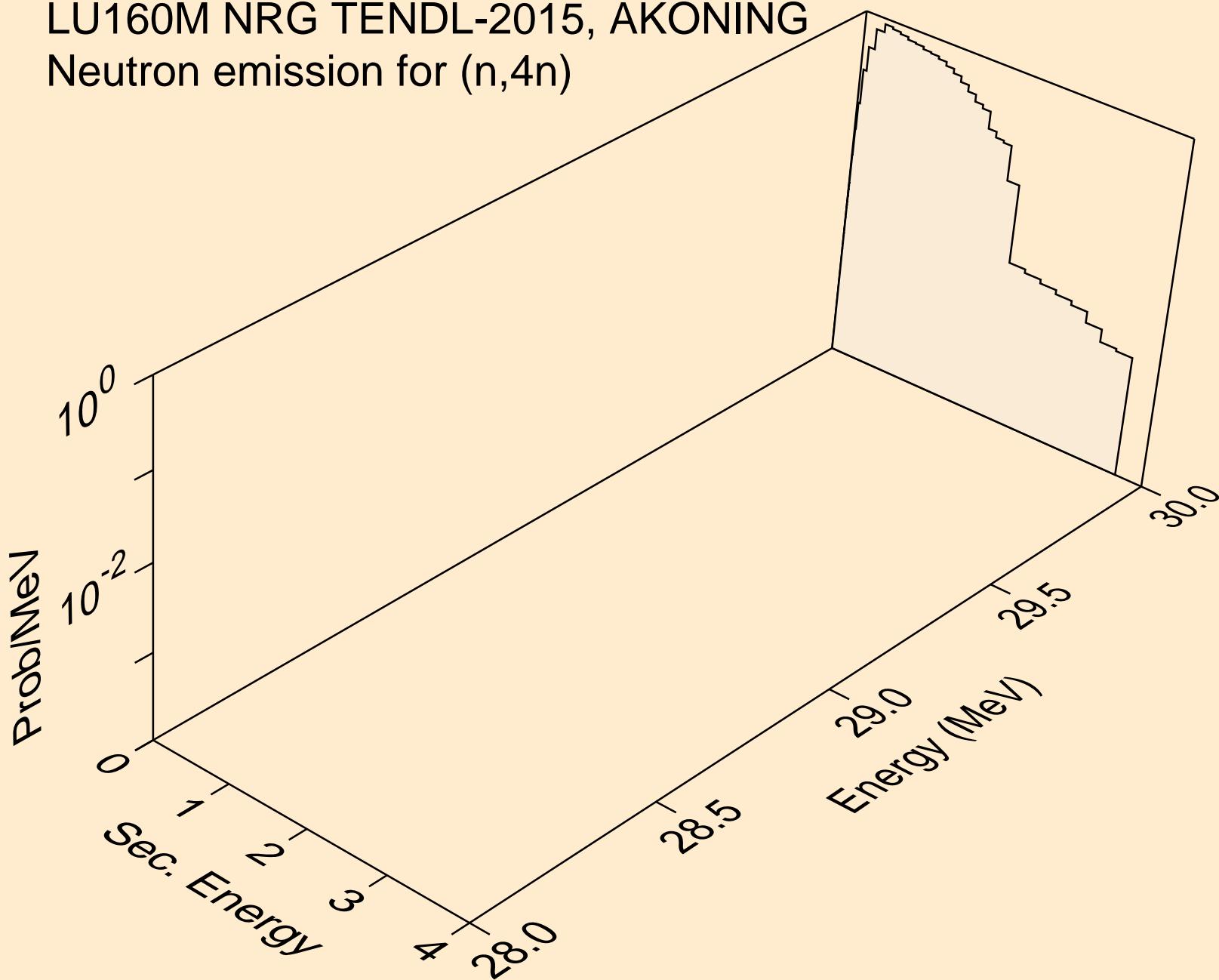
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d2a$



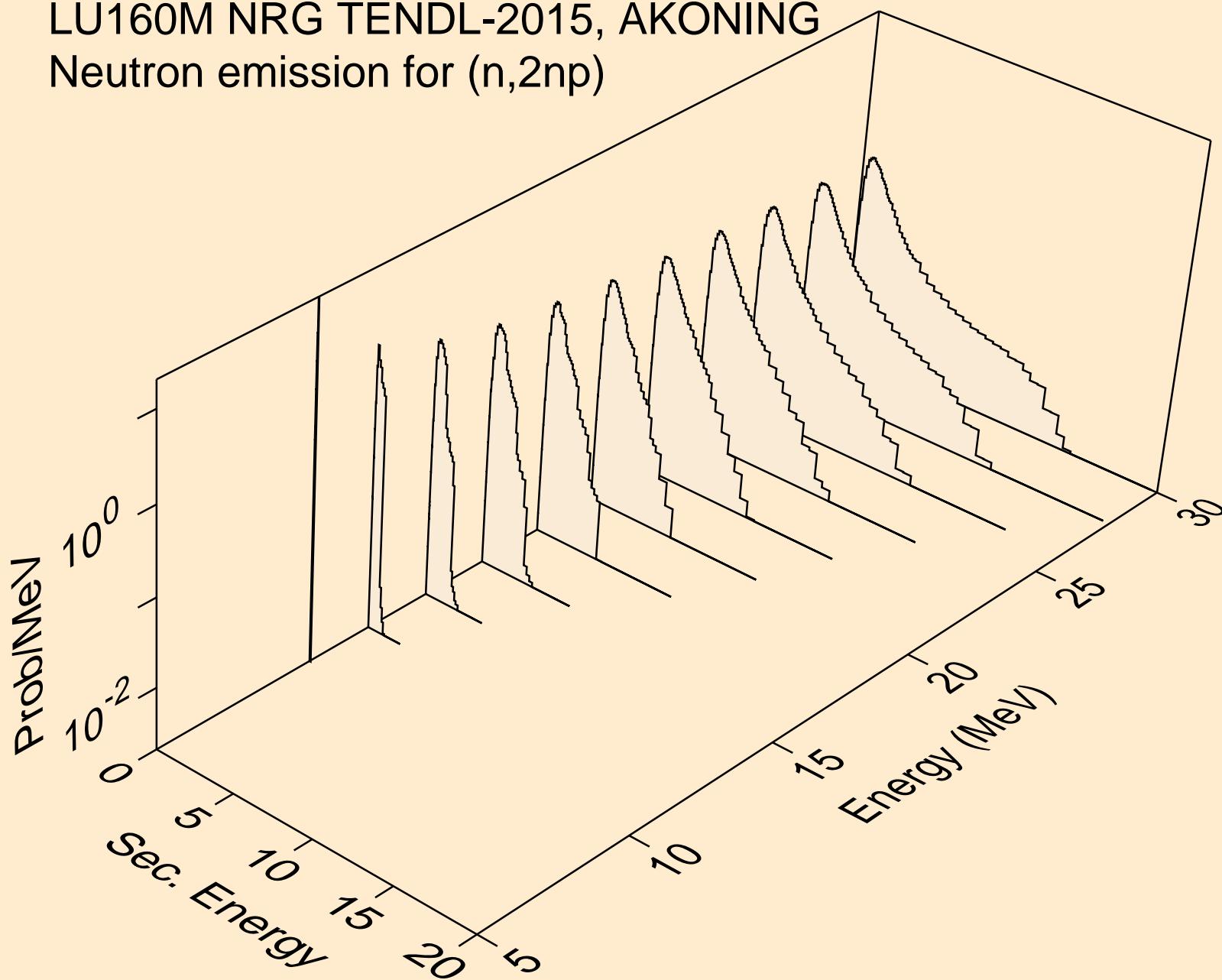
LU160M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t2a$



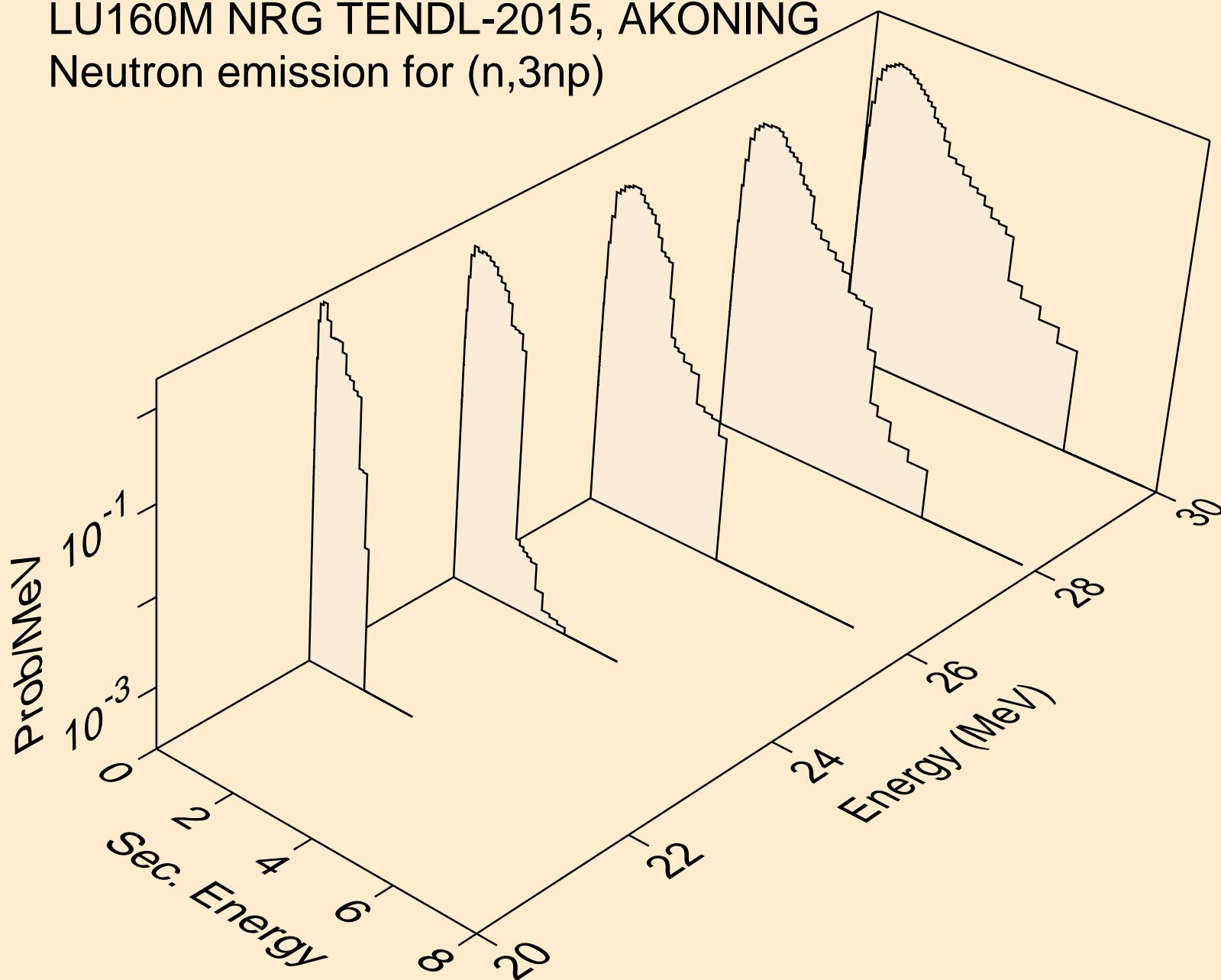
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



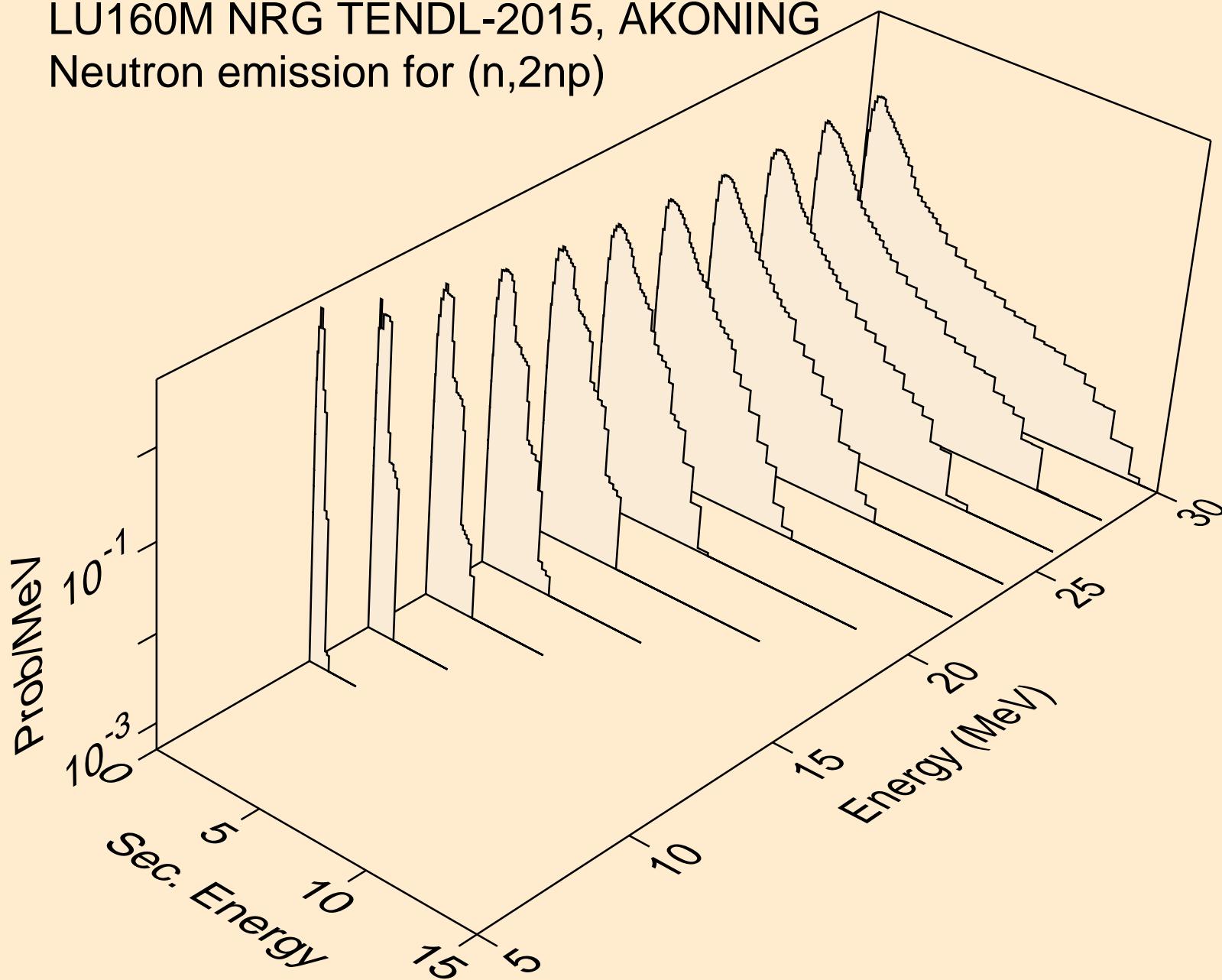
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



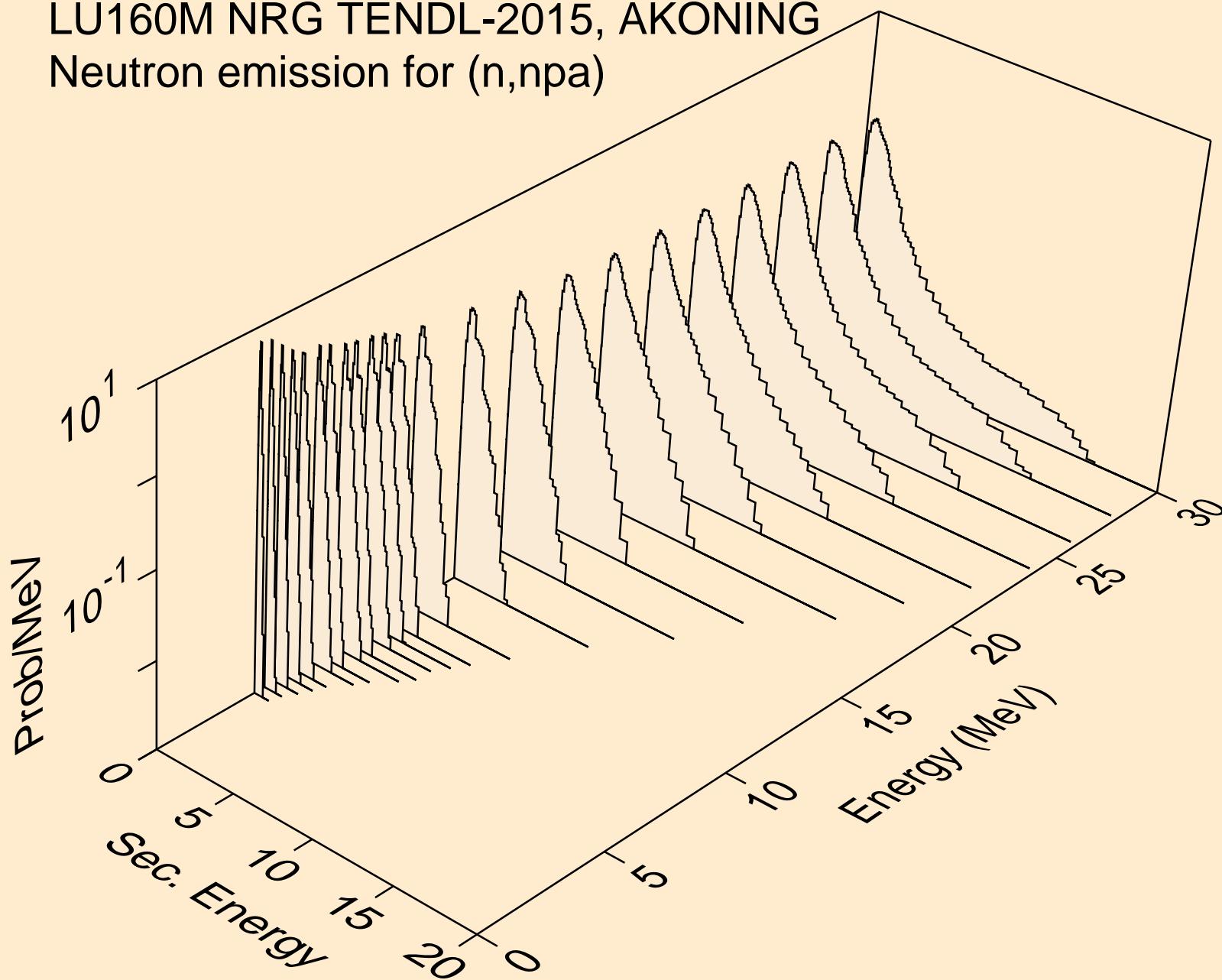
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



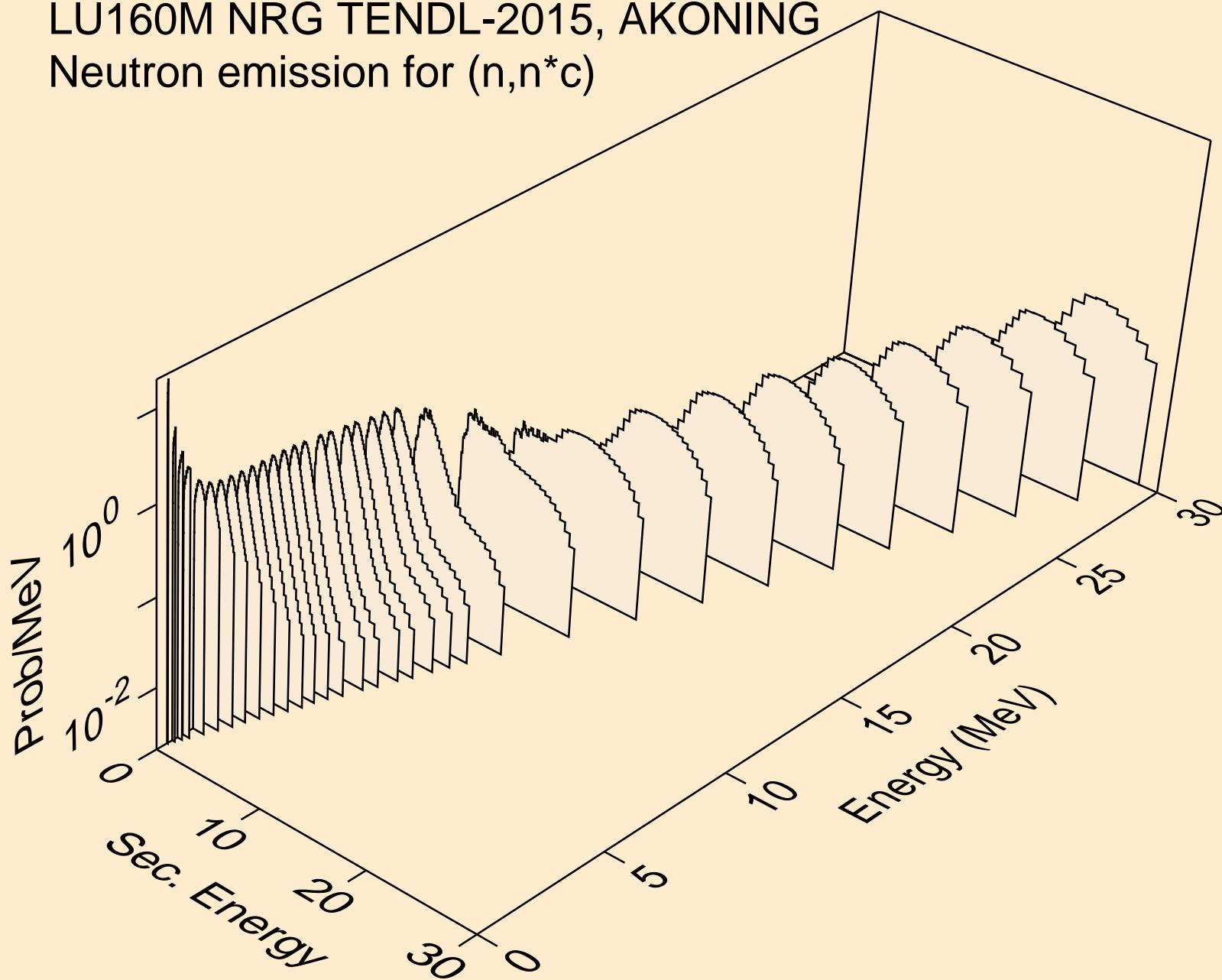
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



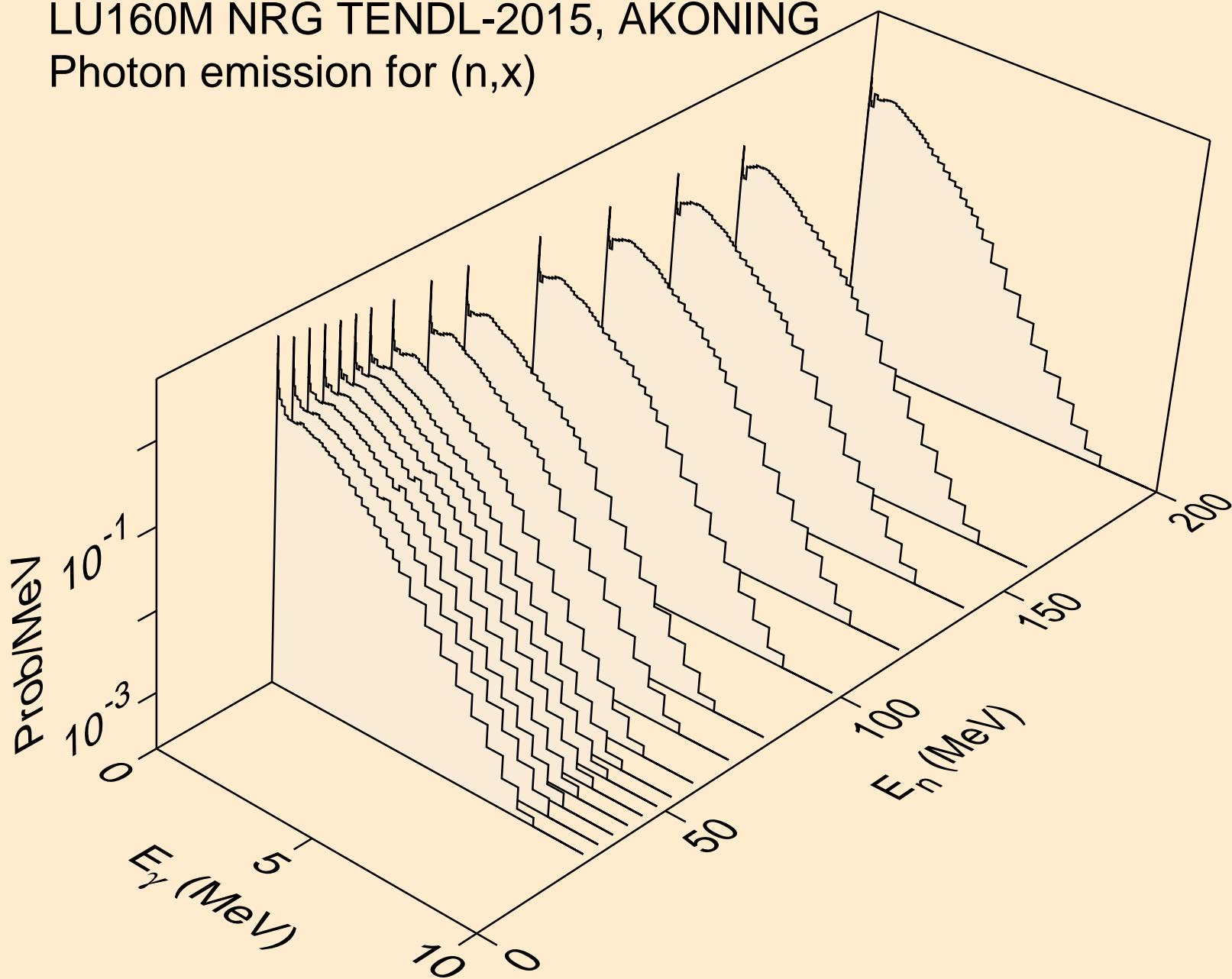
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



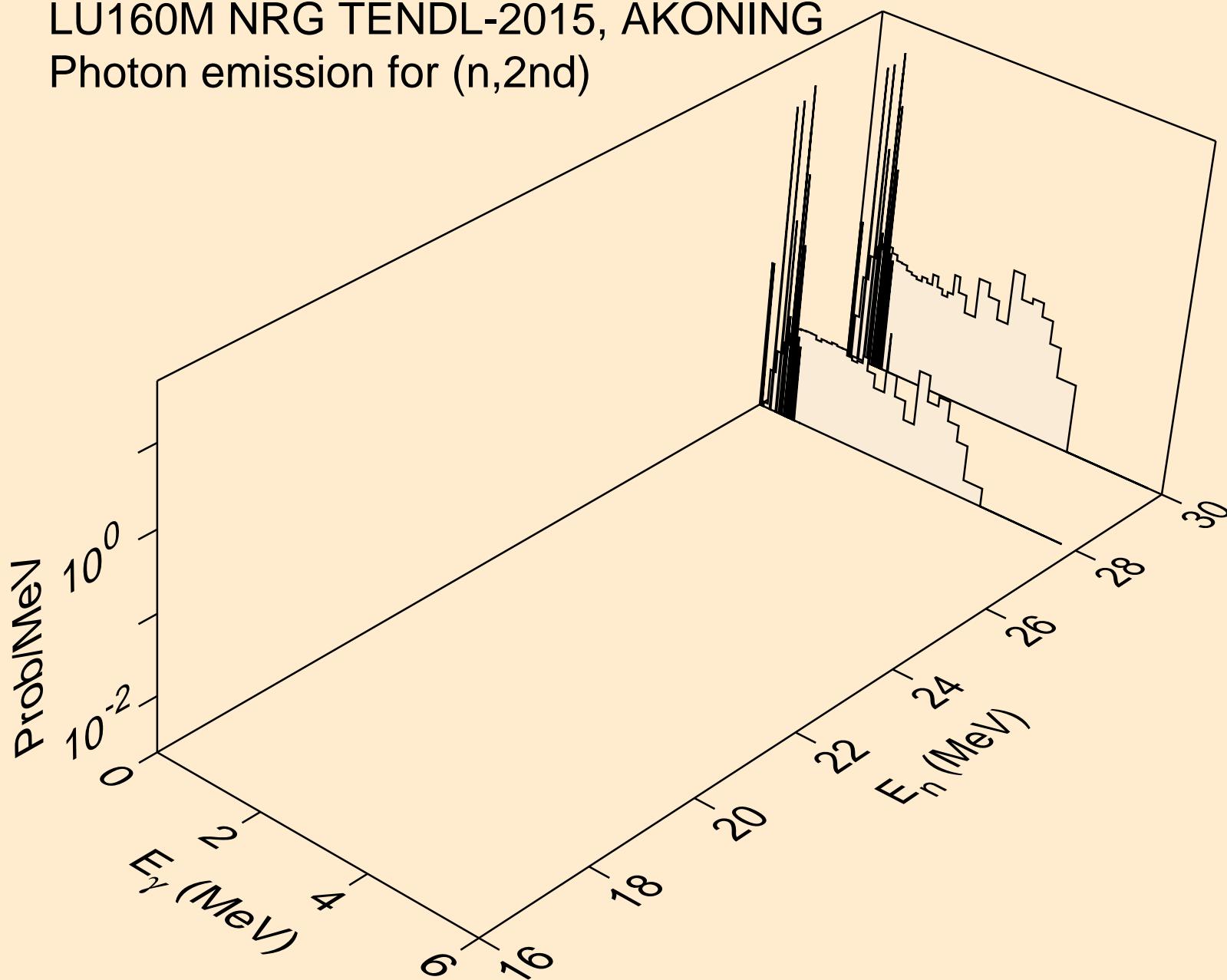
LU160M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



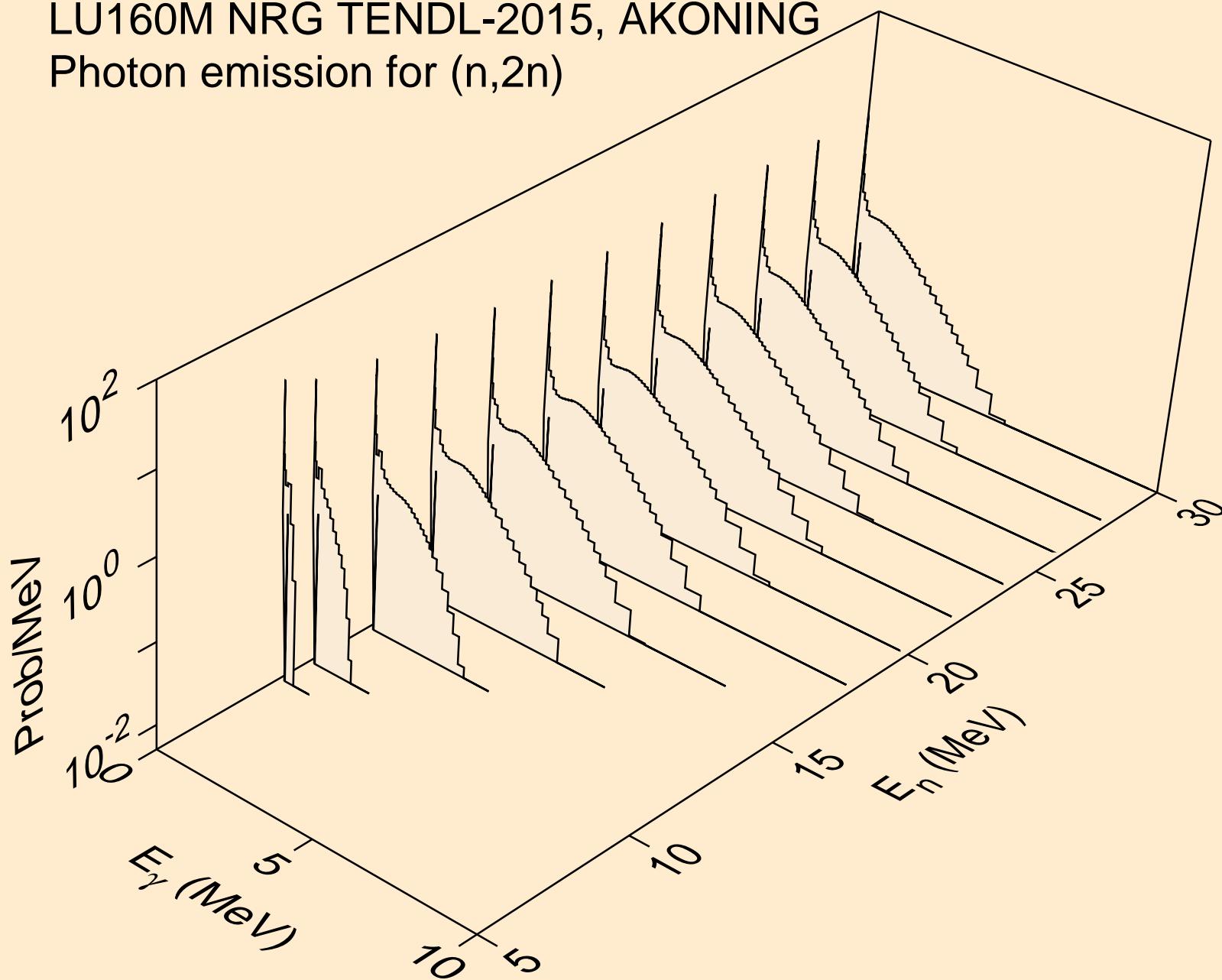
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,x)



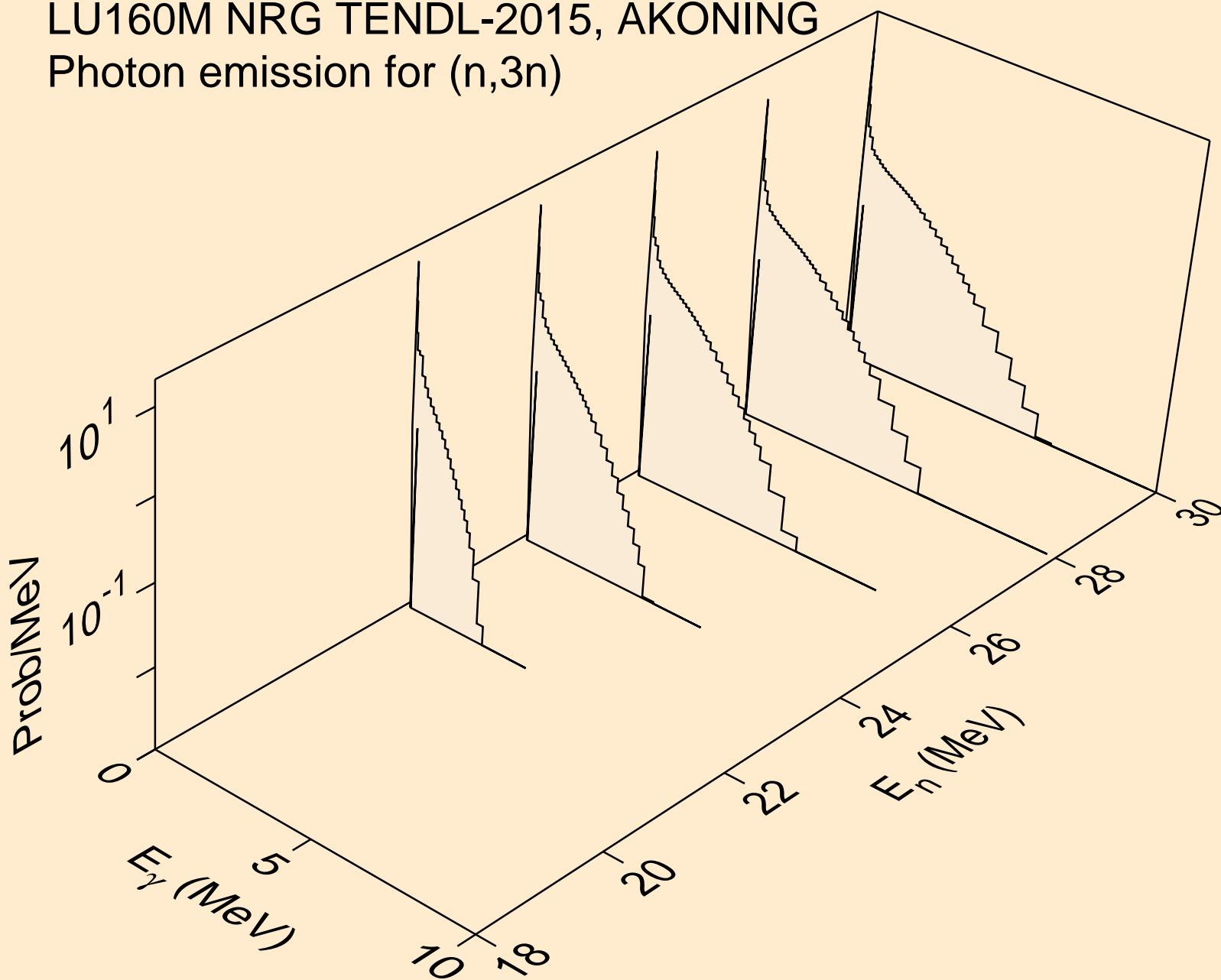
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



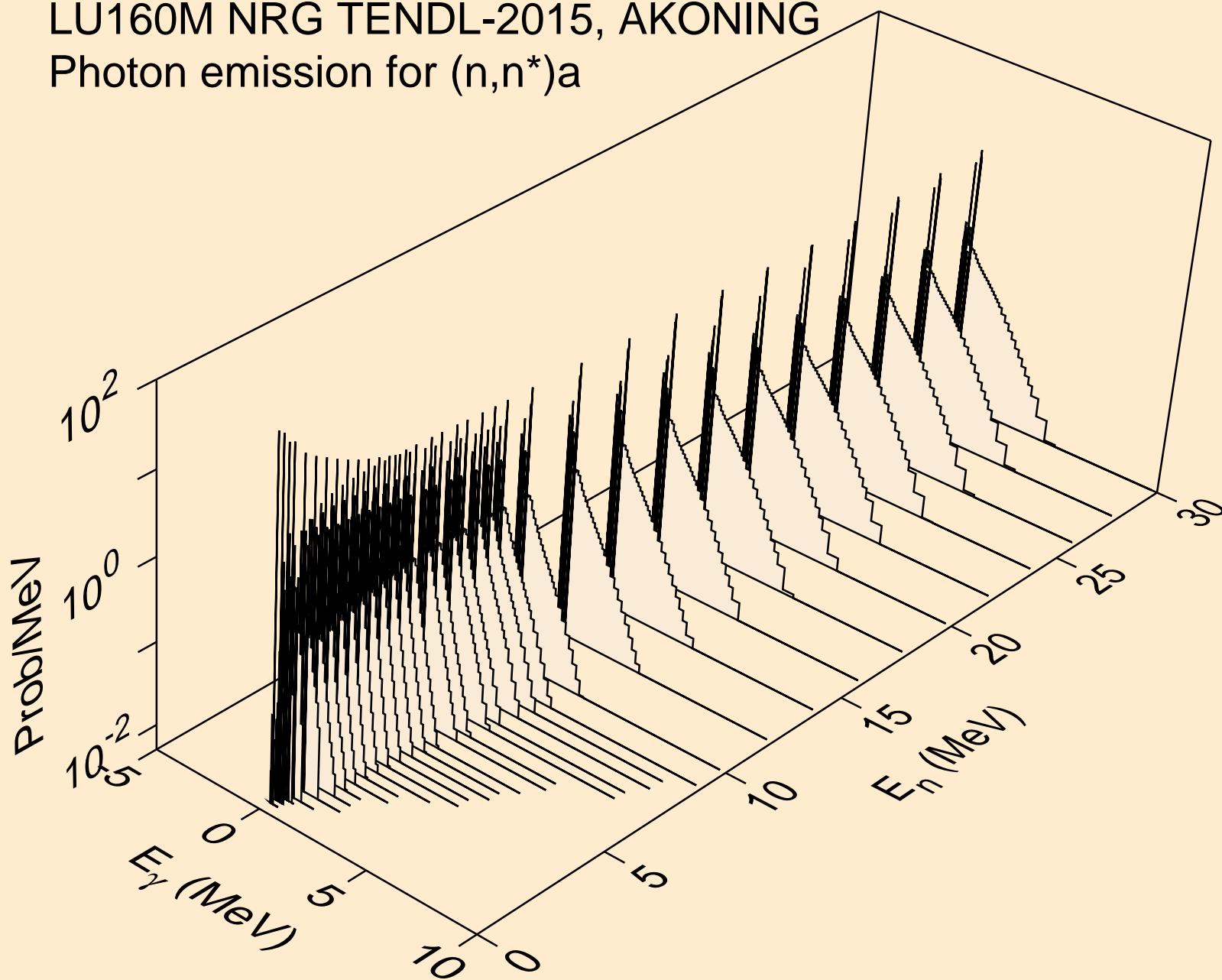
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



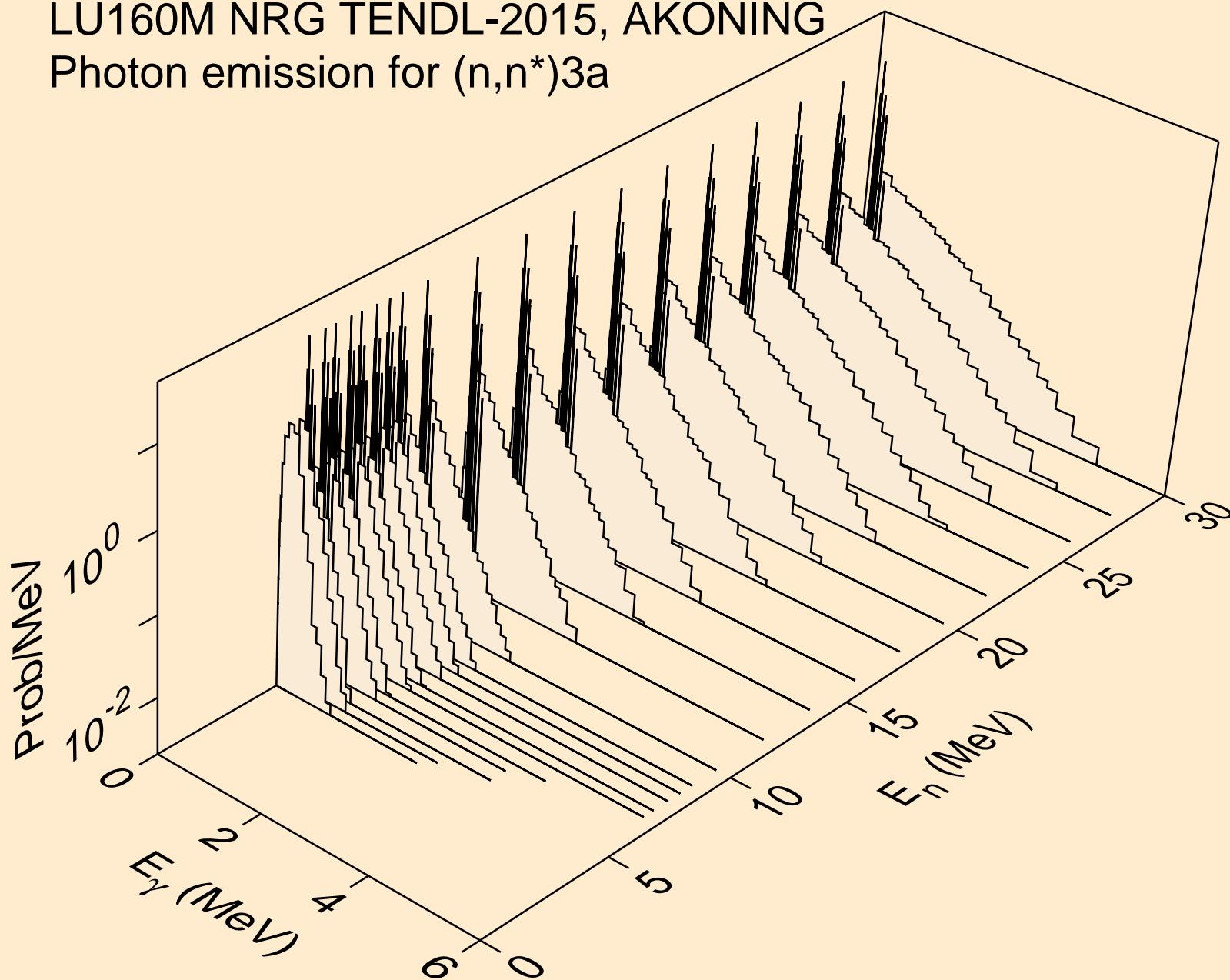
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



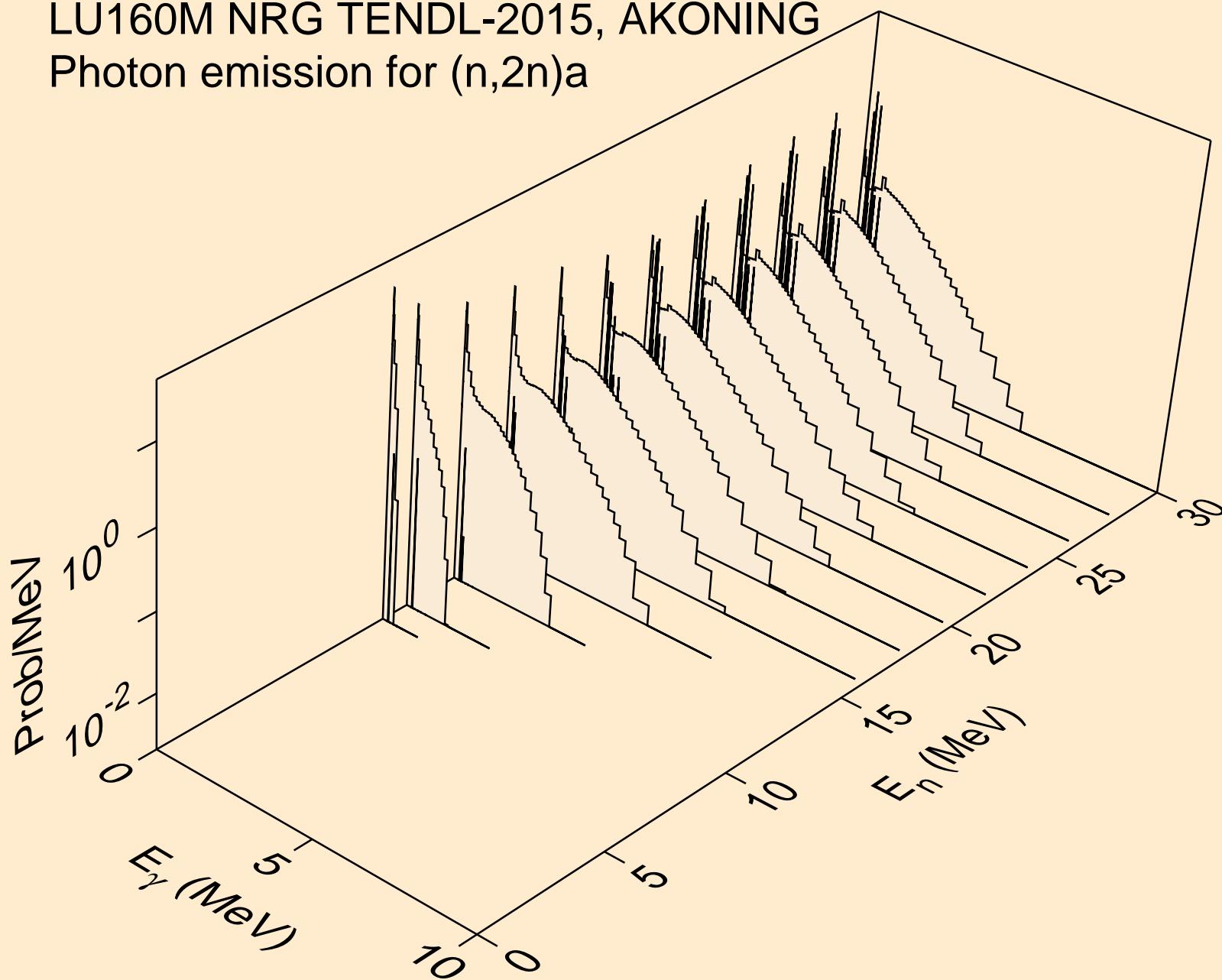
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



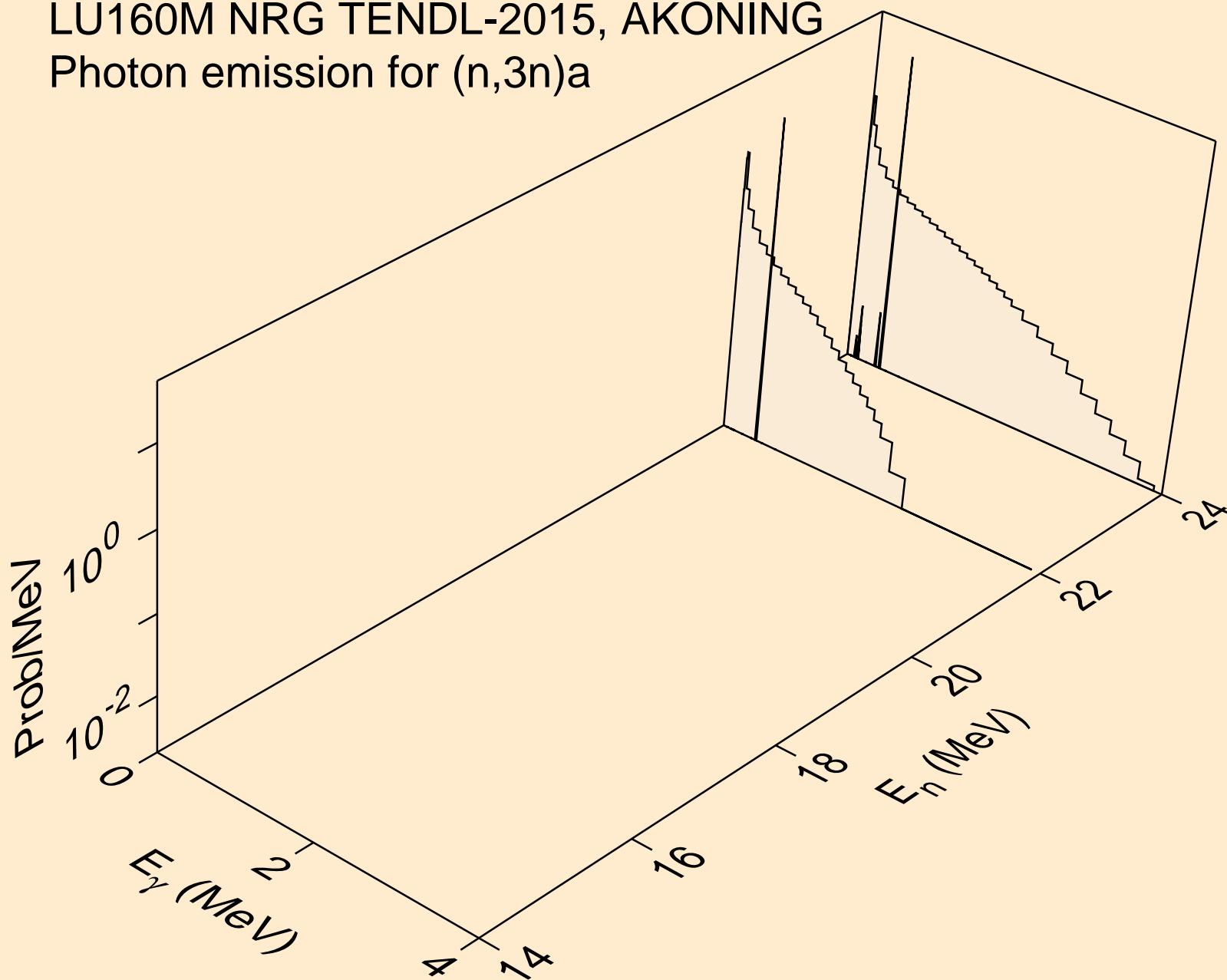
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)3a$



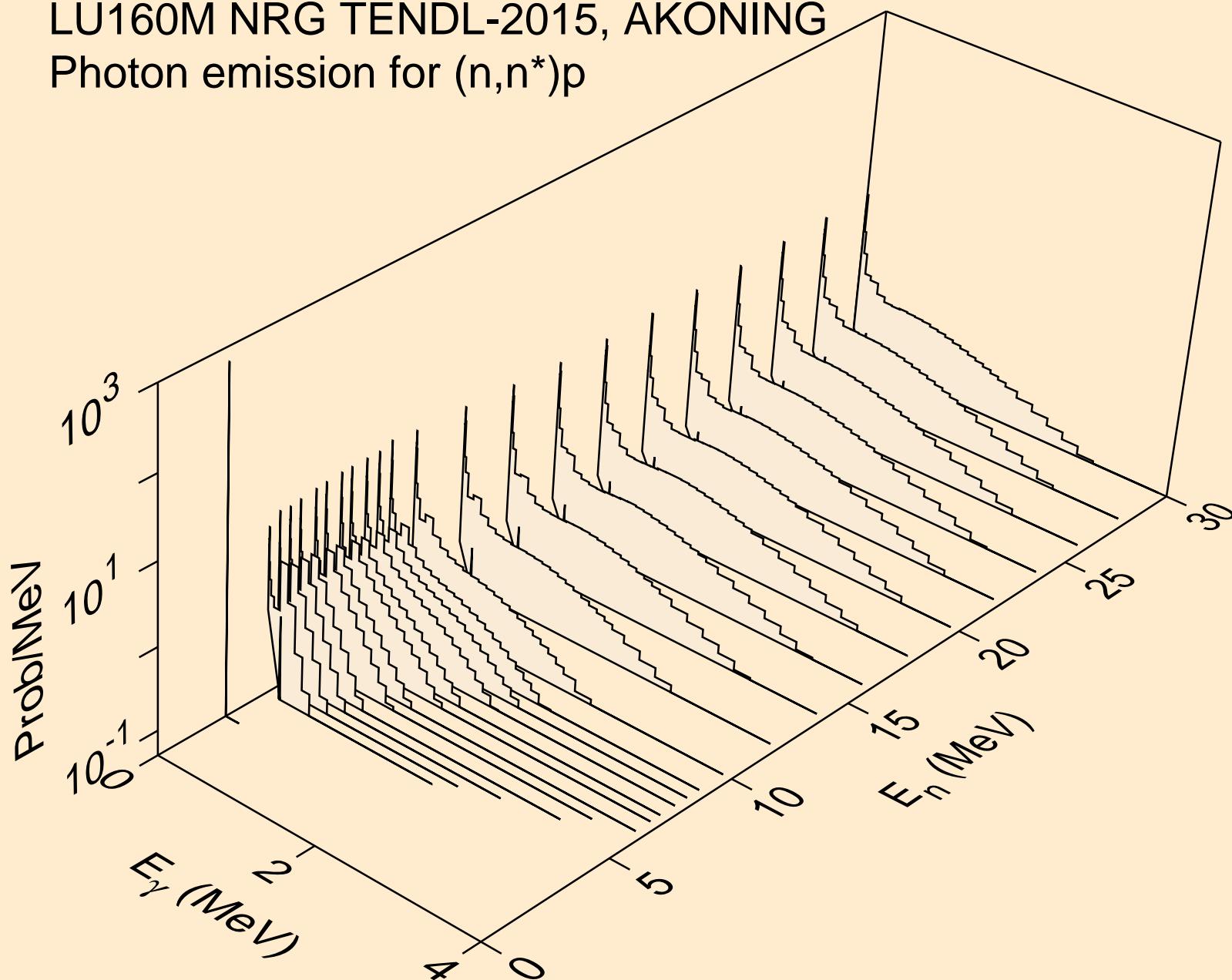
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



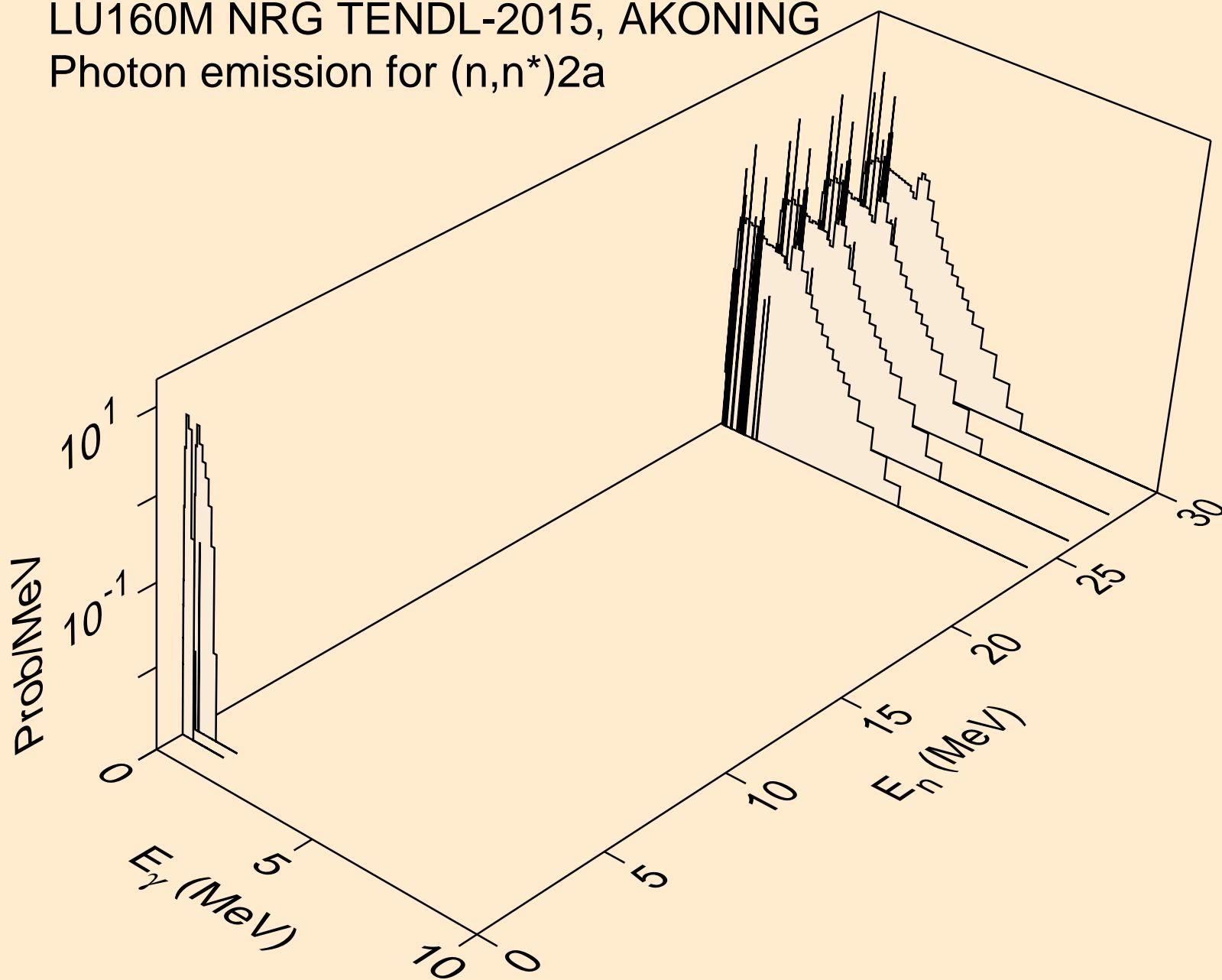
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



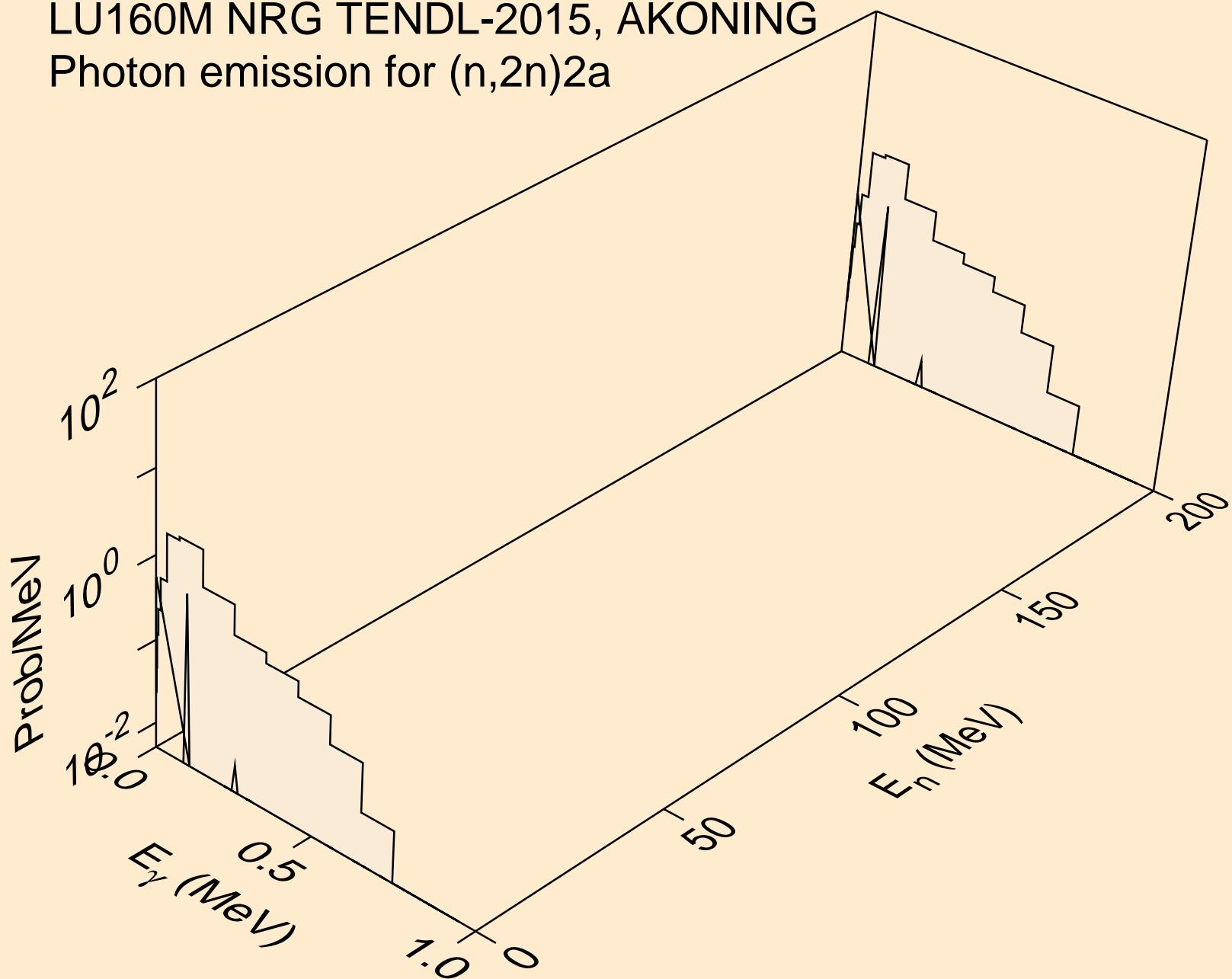
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



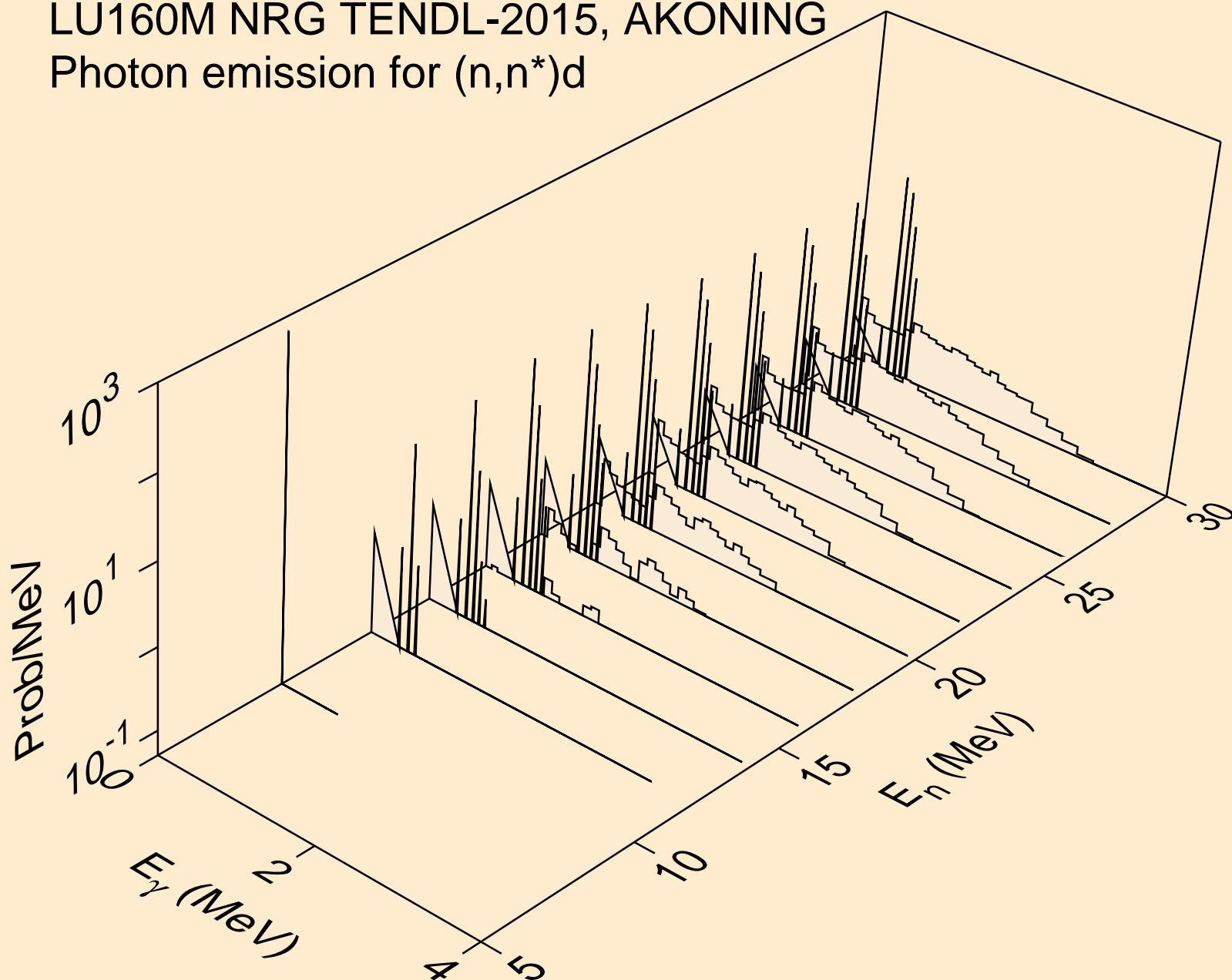
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



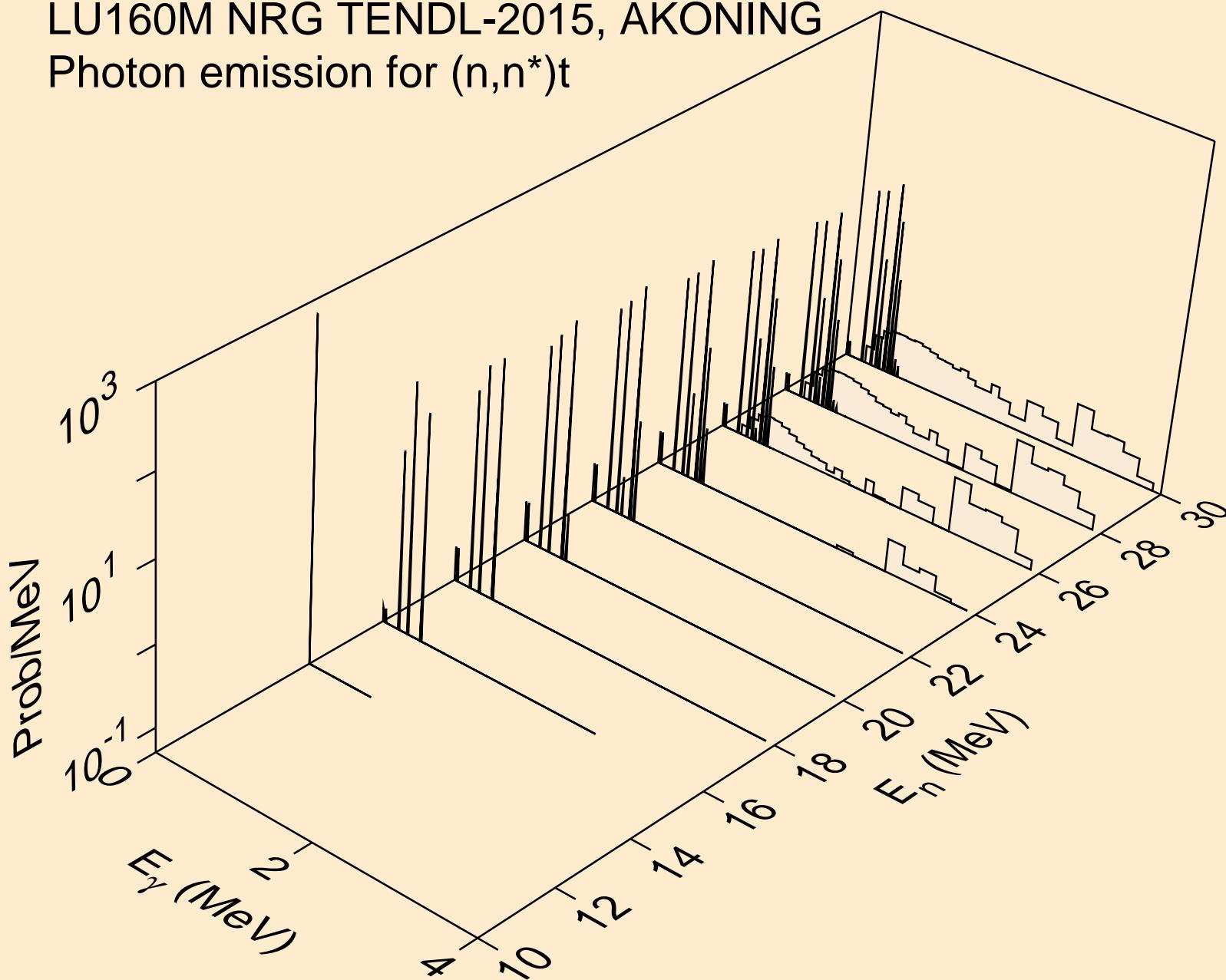
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



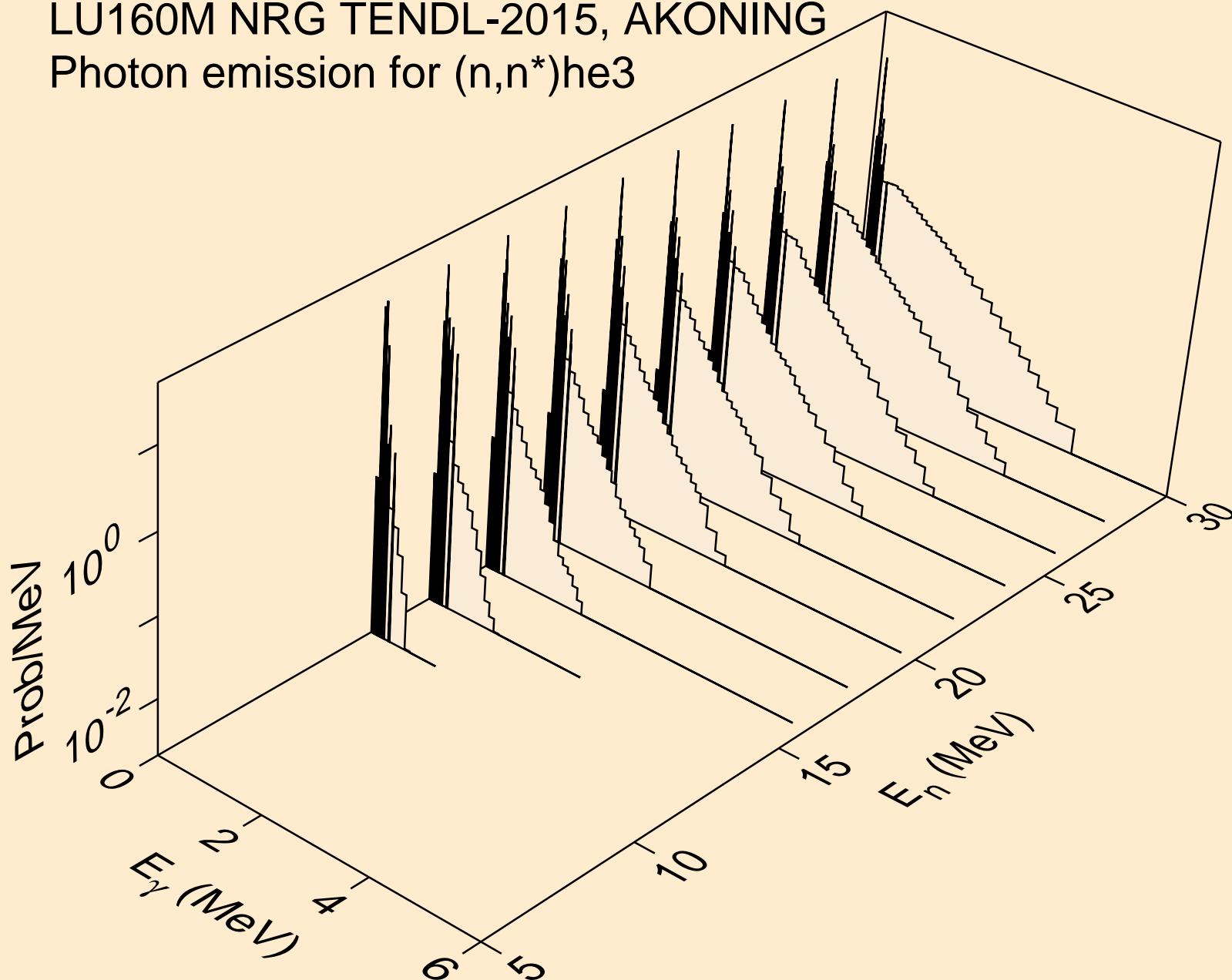
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d$



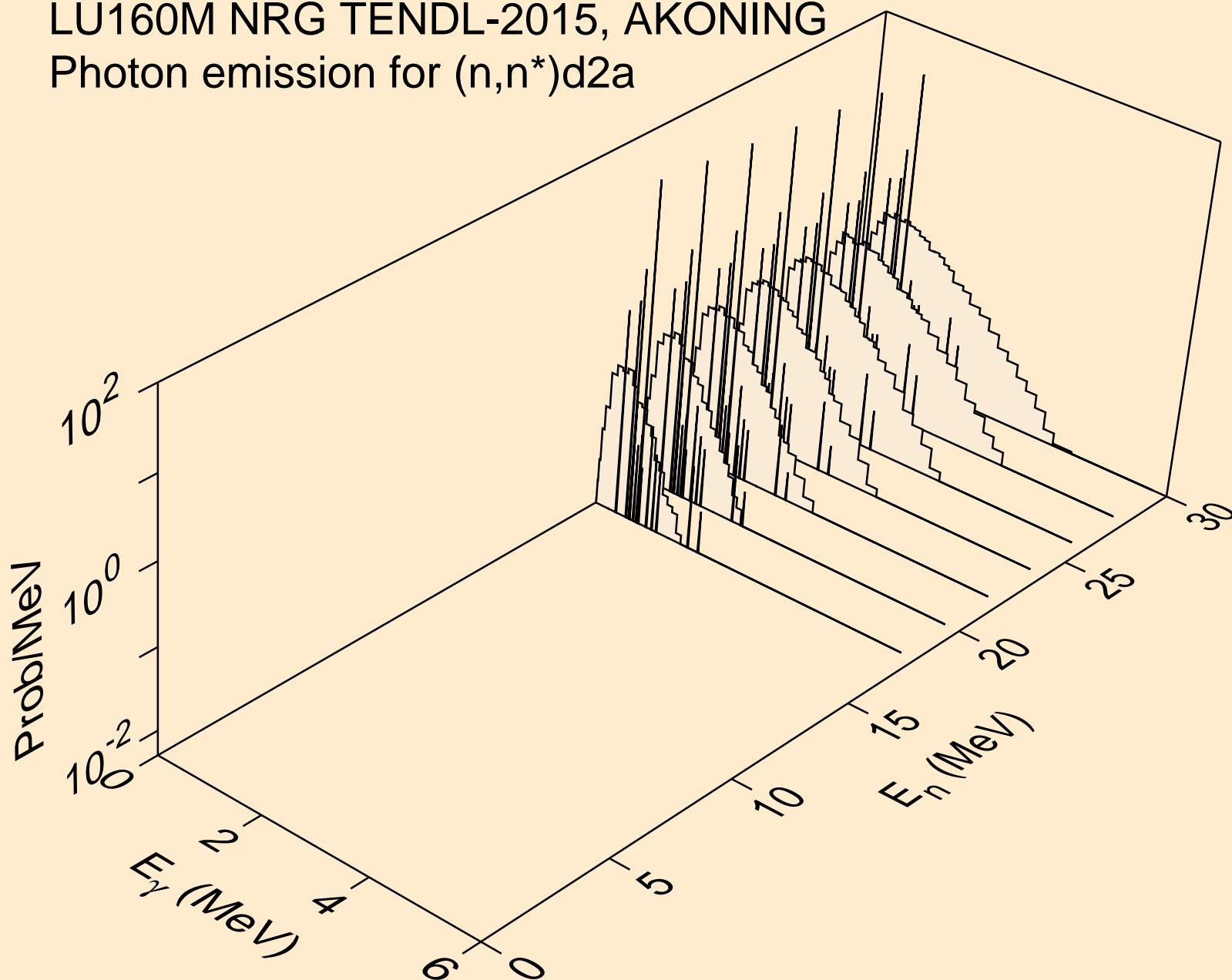
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



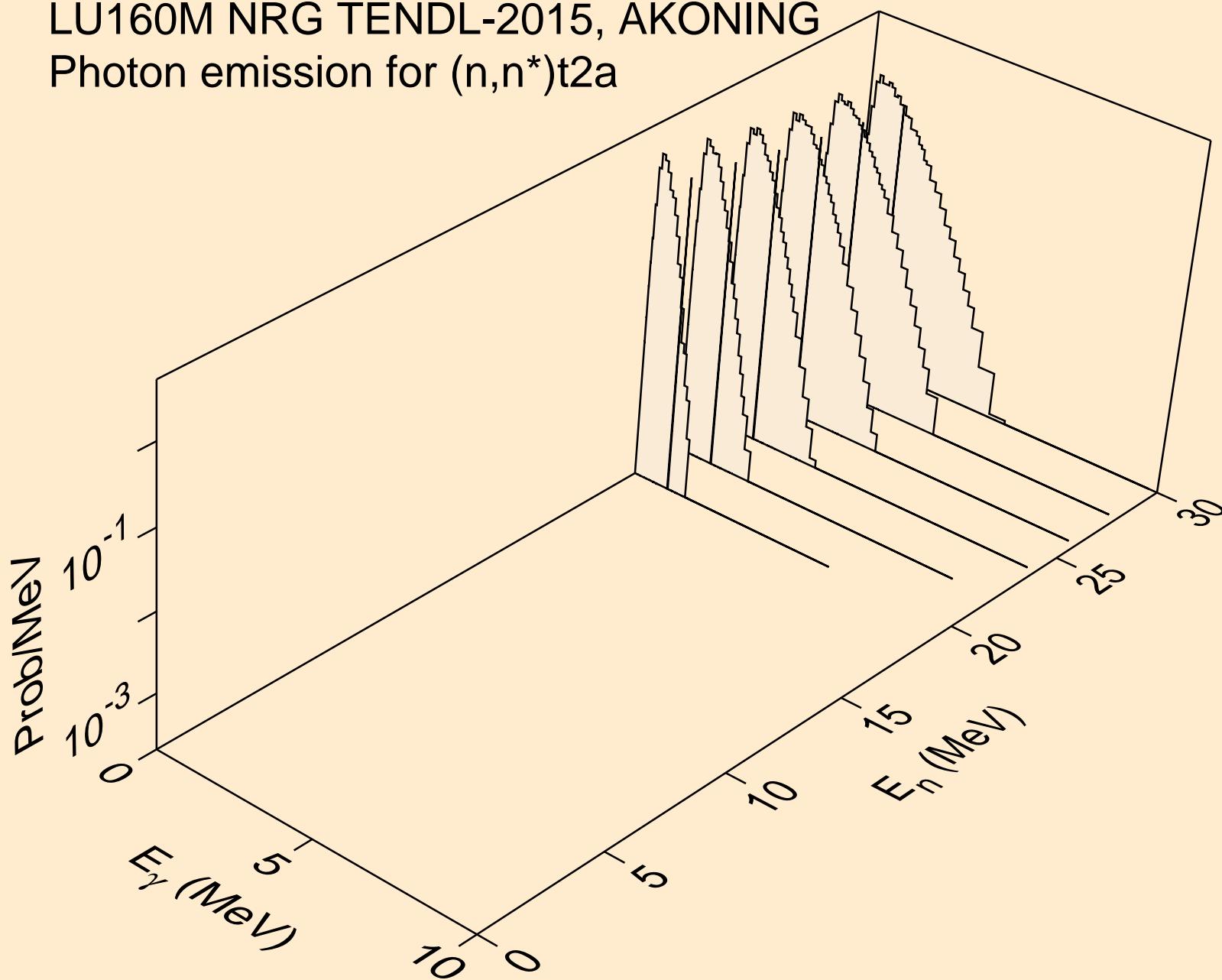
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



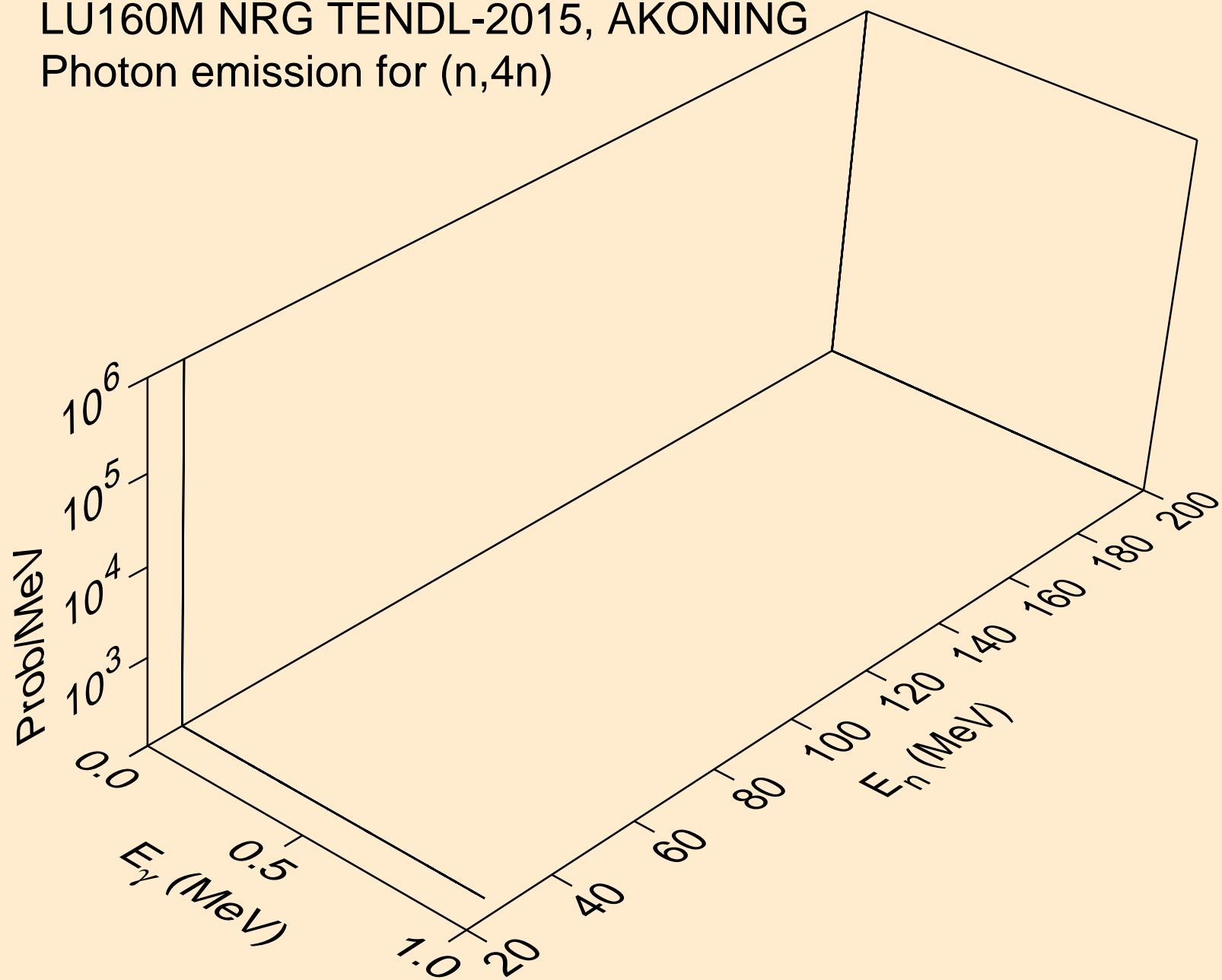
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d2a$



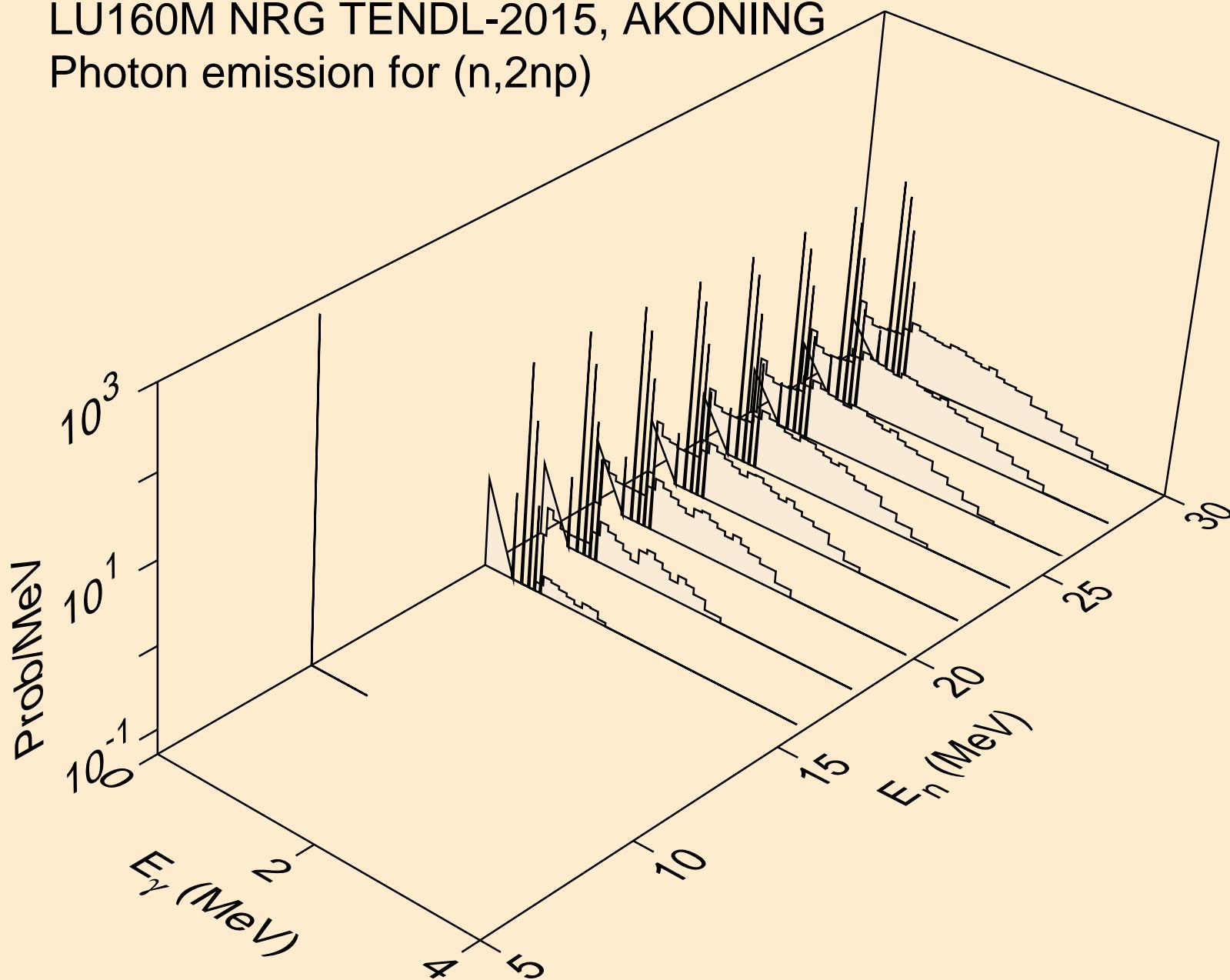
LU160M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t2a$



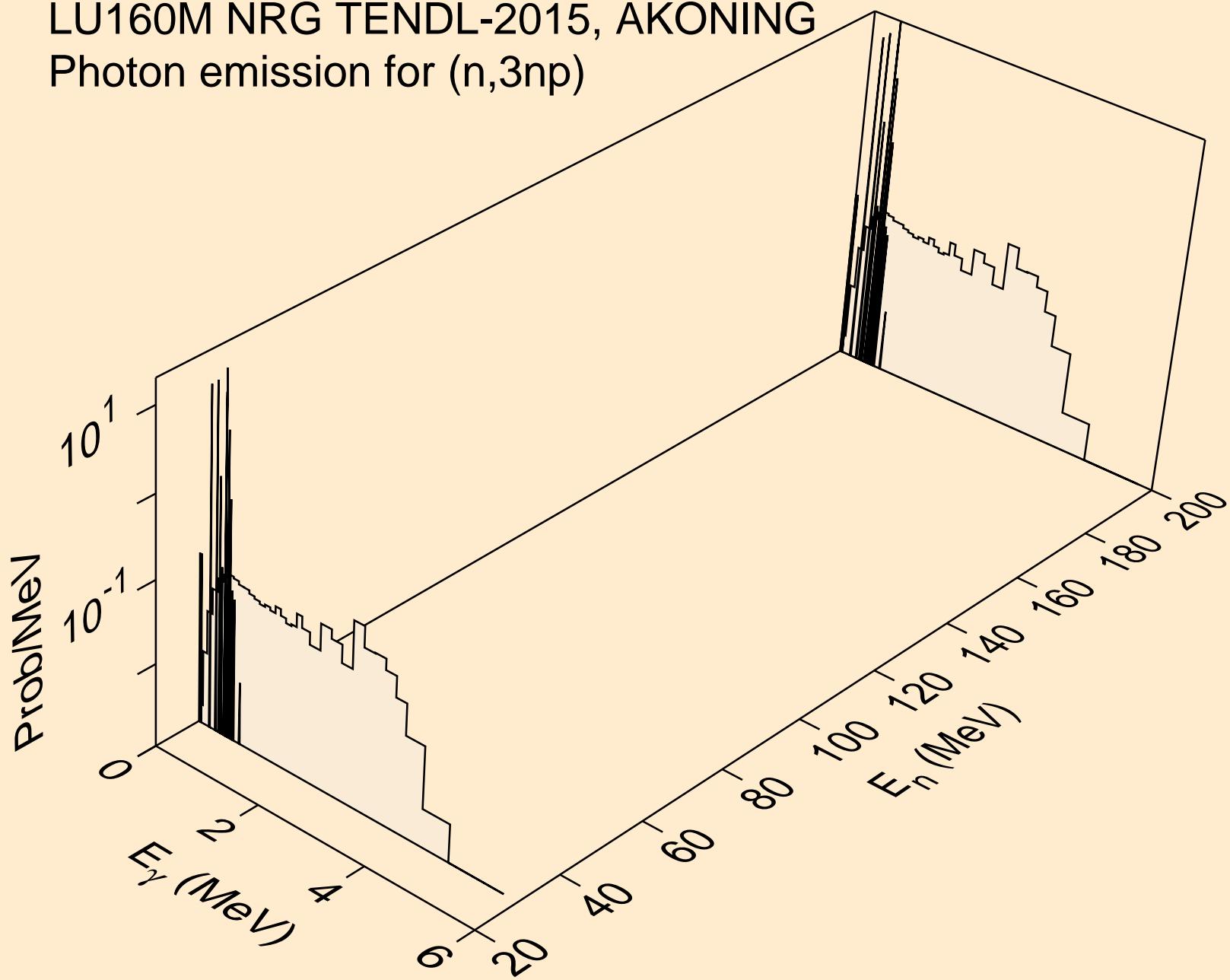
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



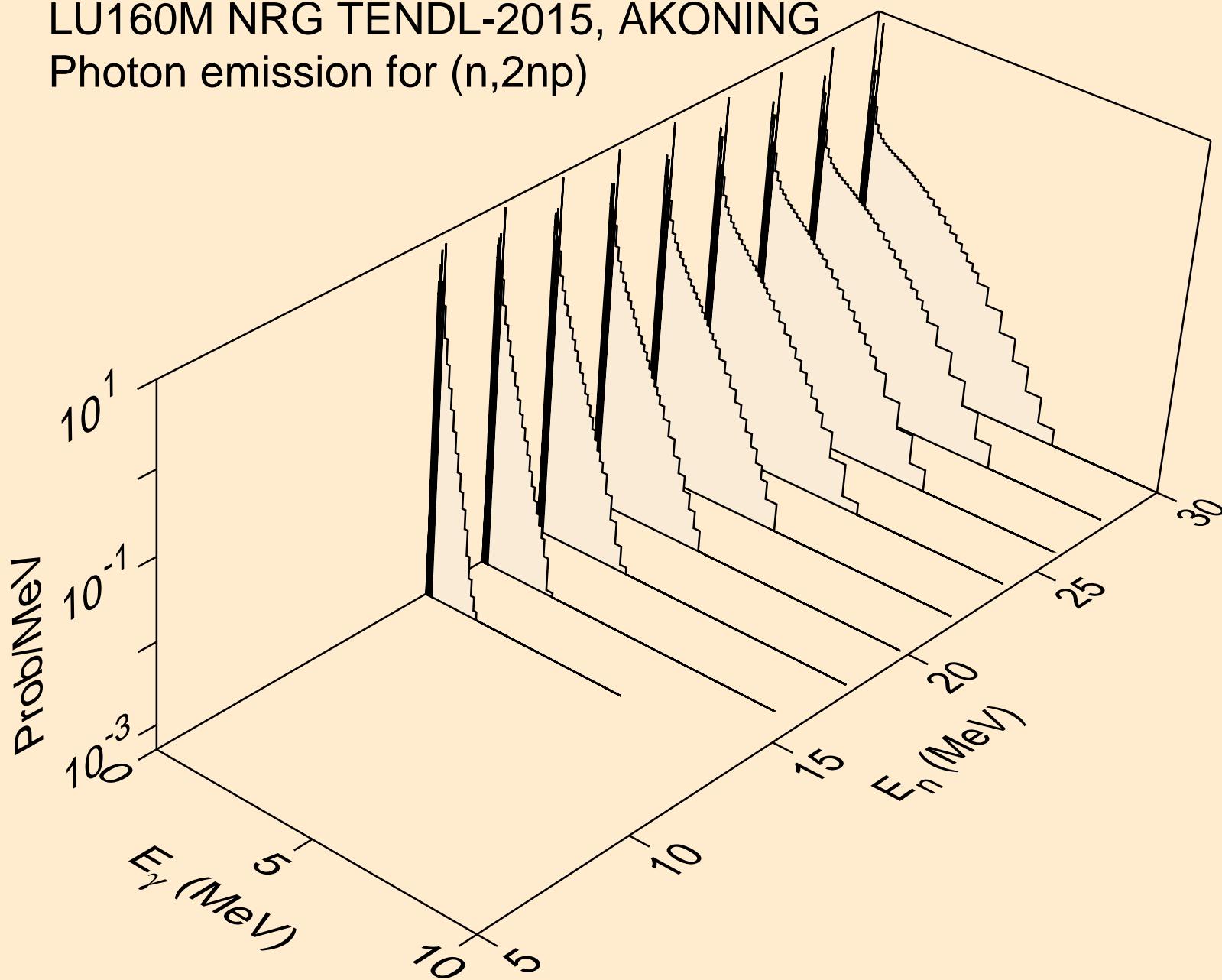
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



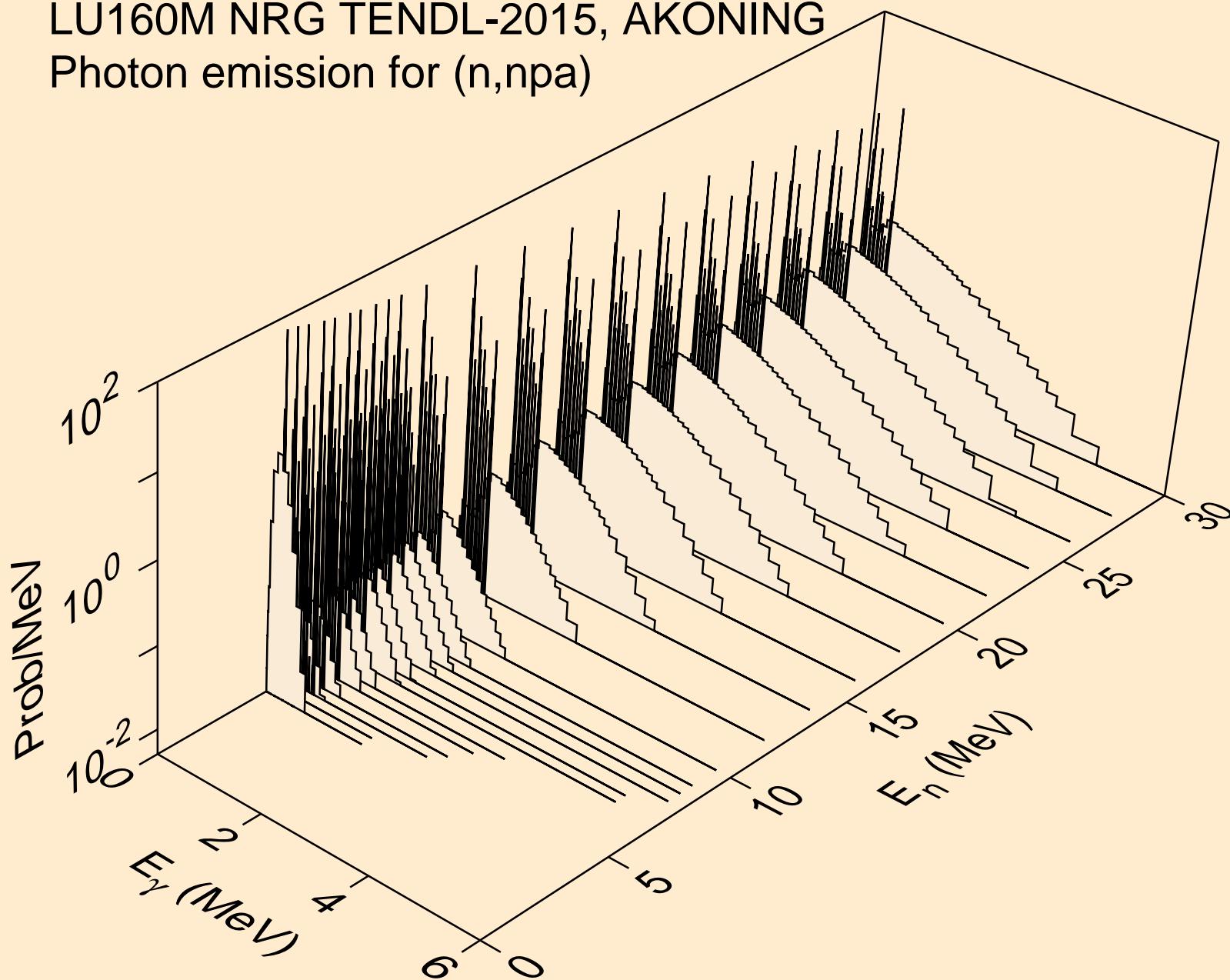
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



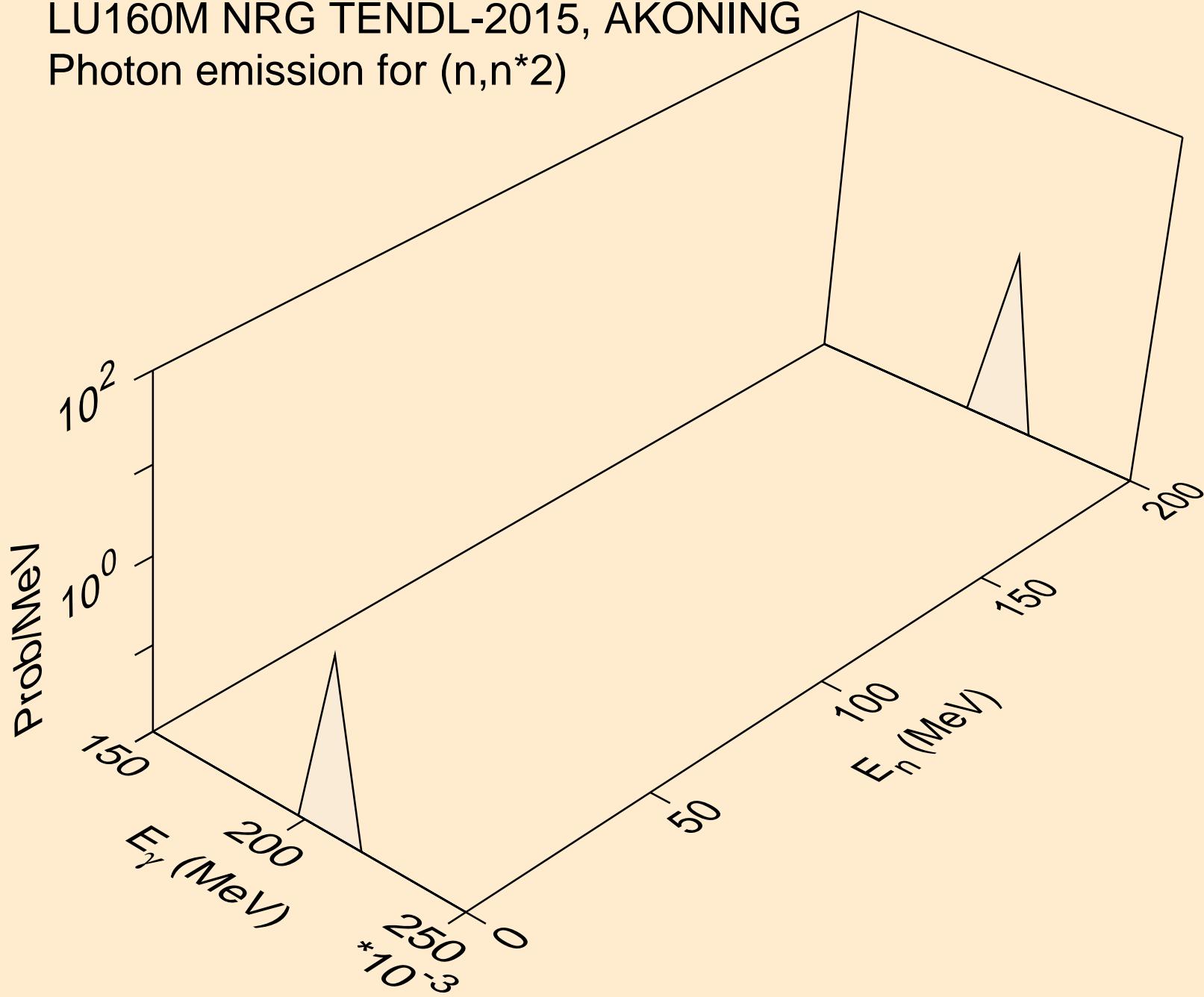
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



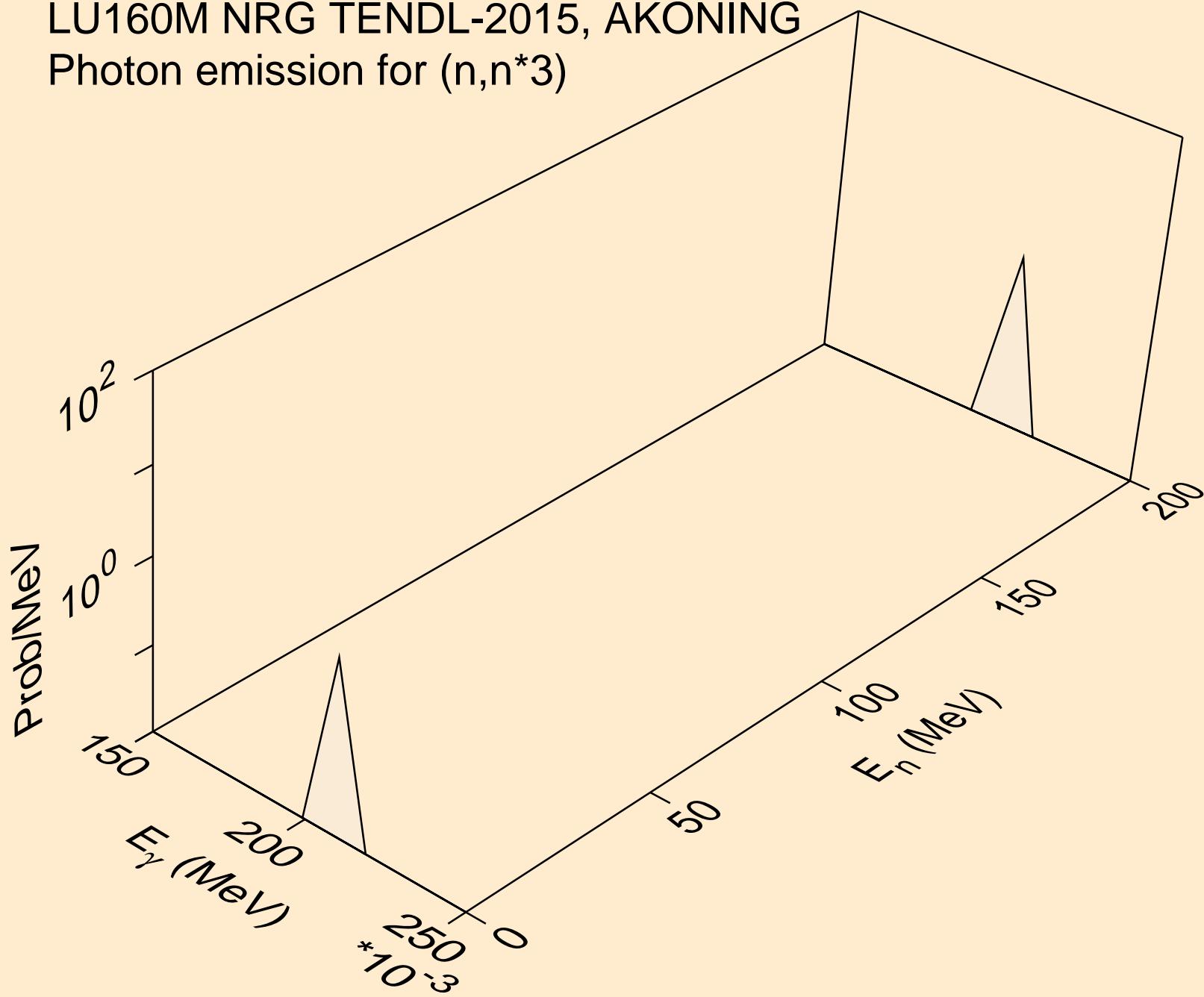
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



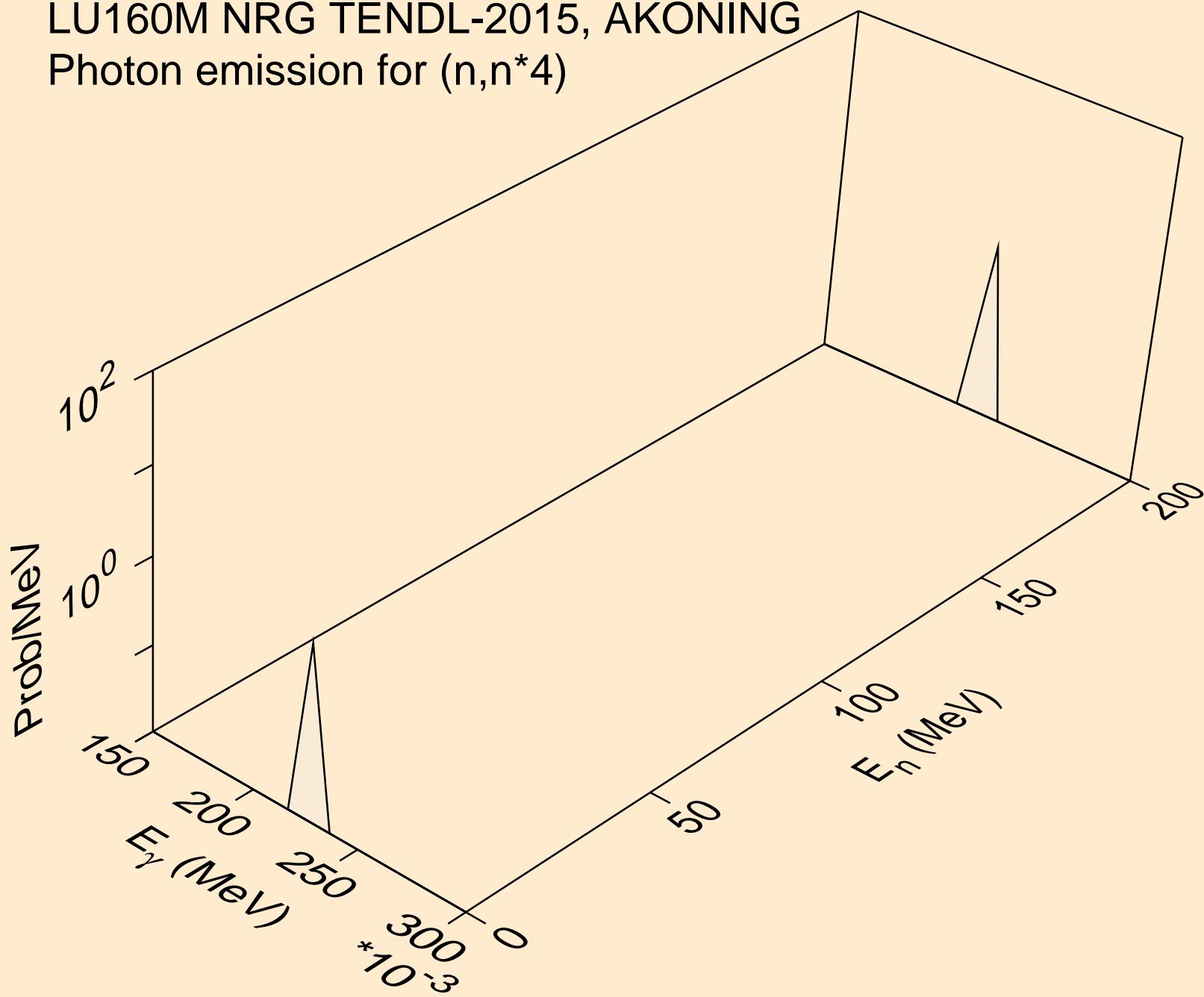
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*2)



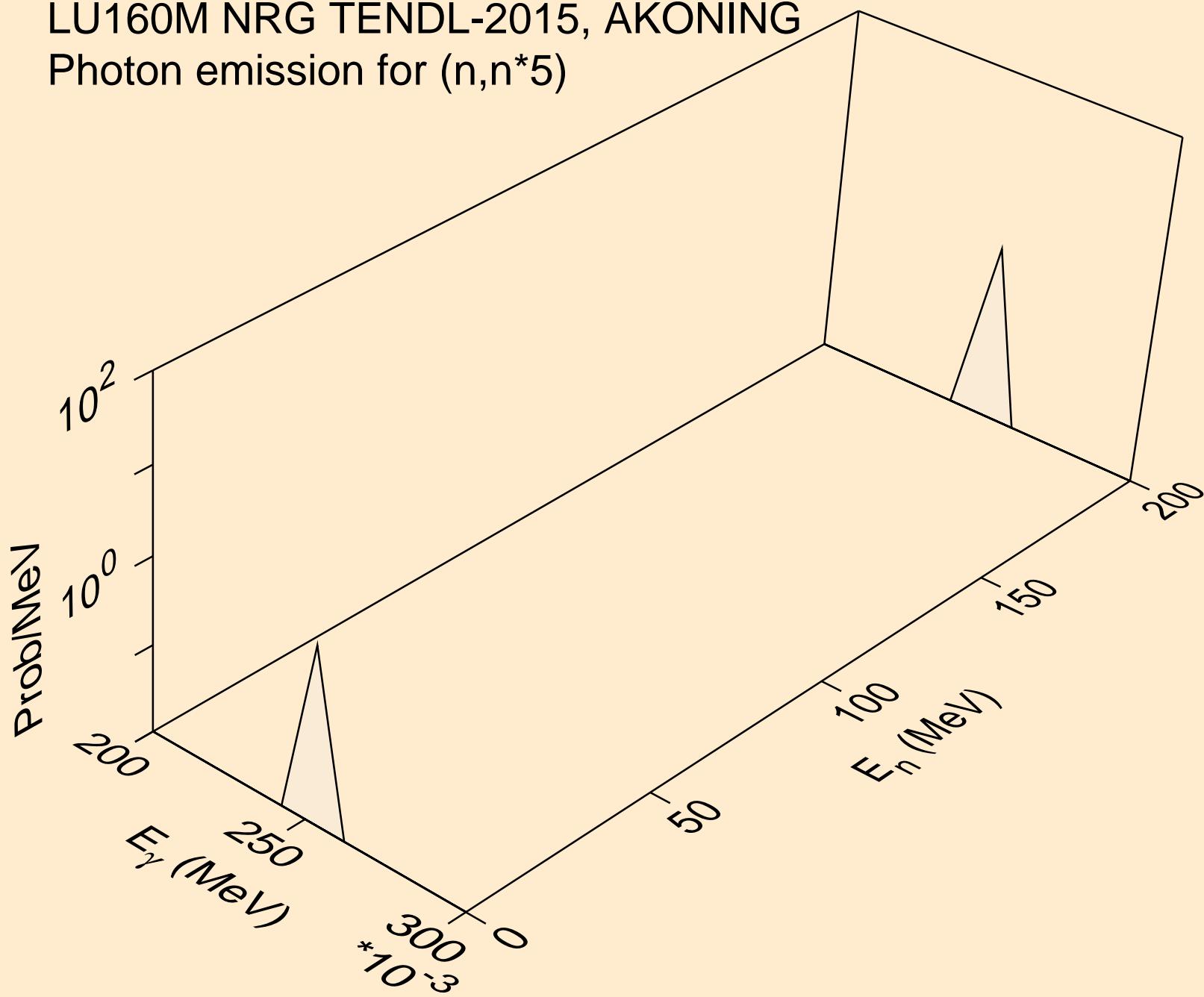
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*3)



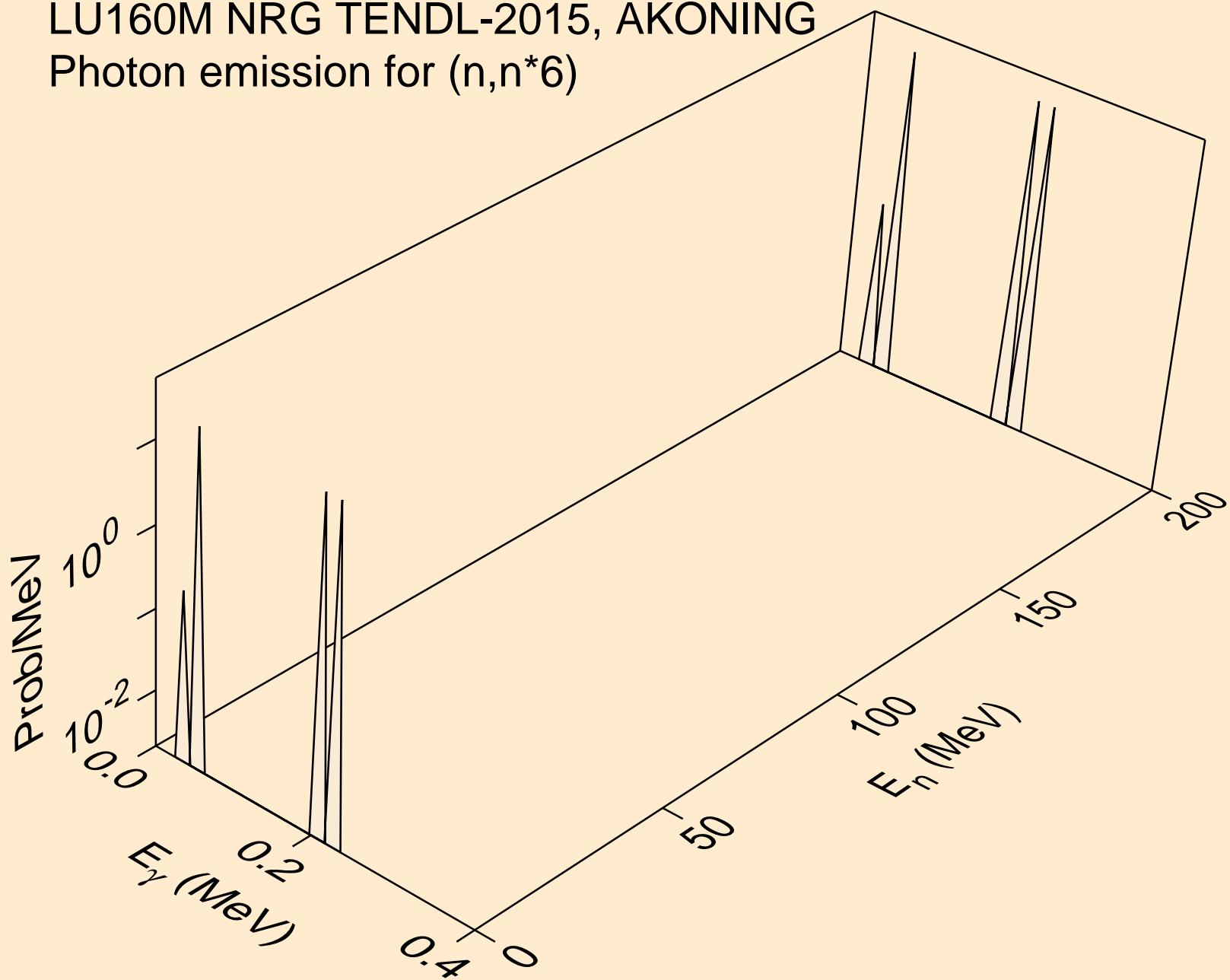
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*4)



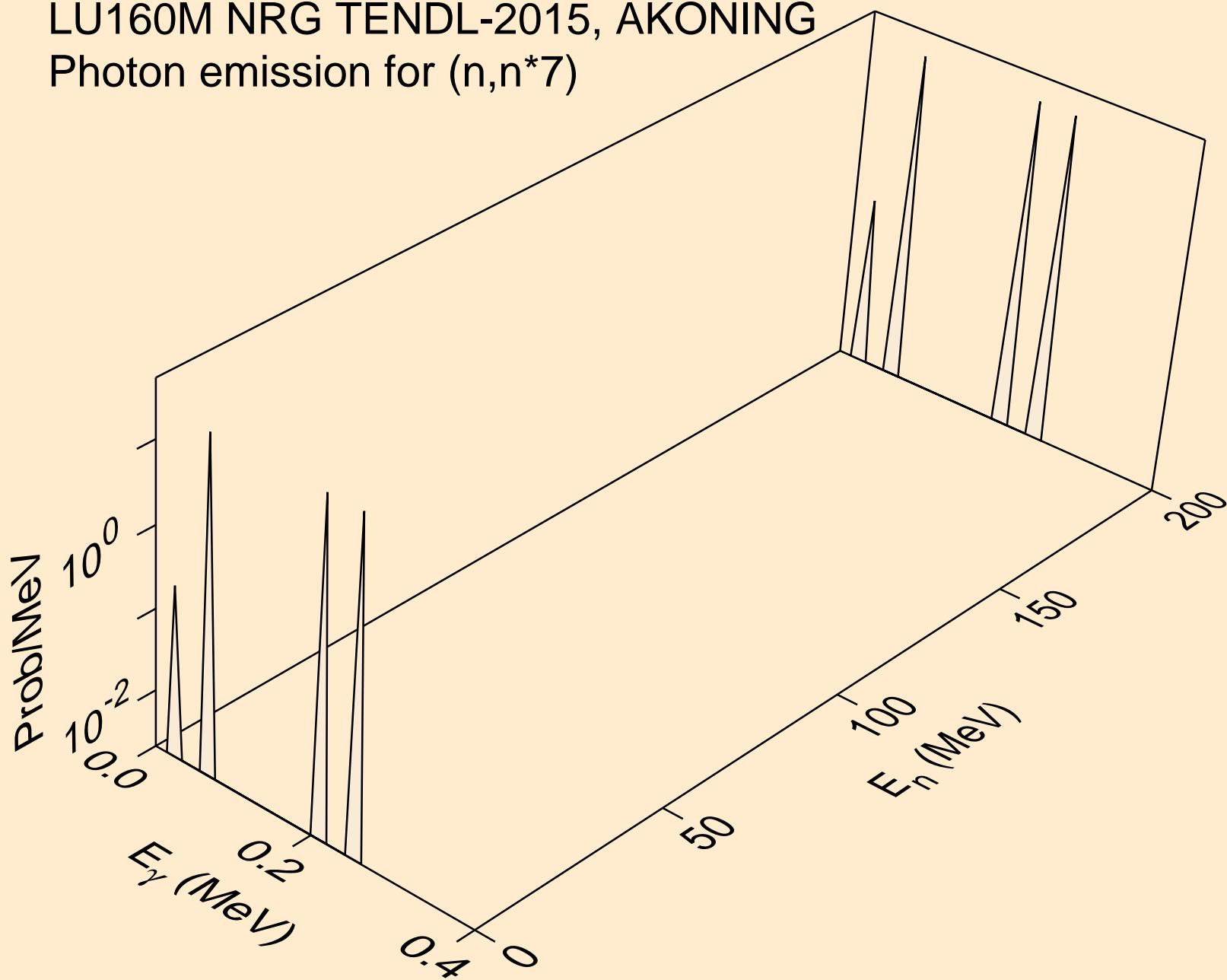
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*5)



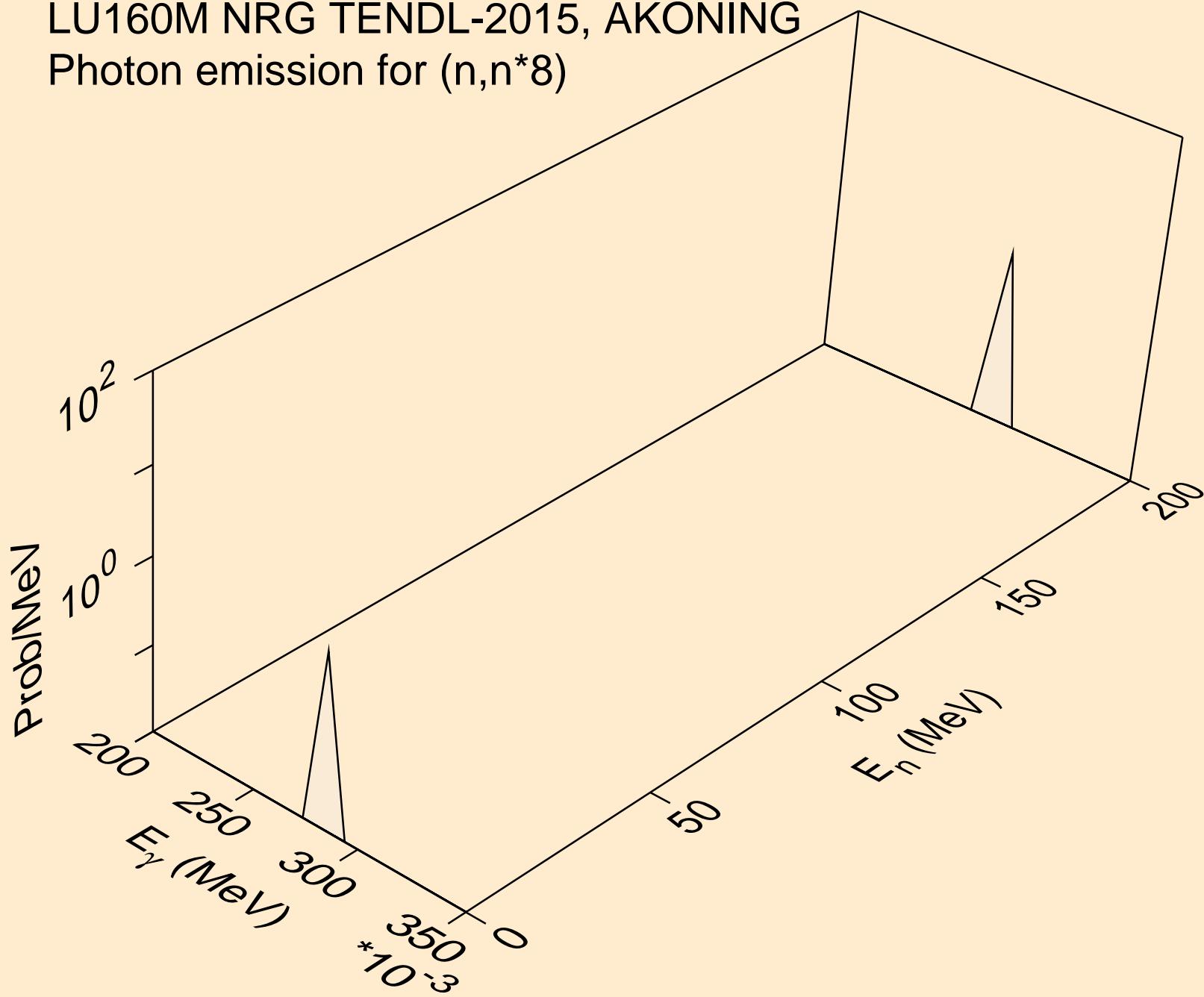
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*6)



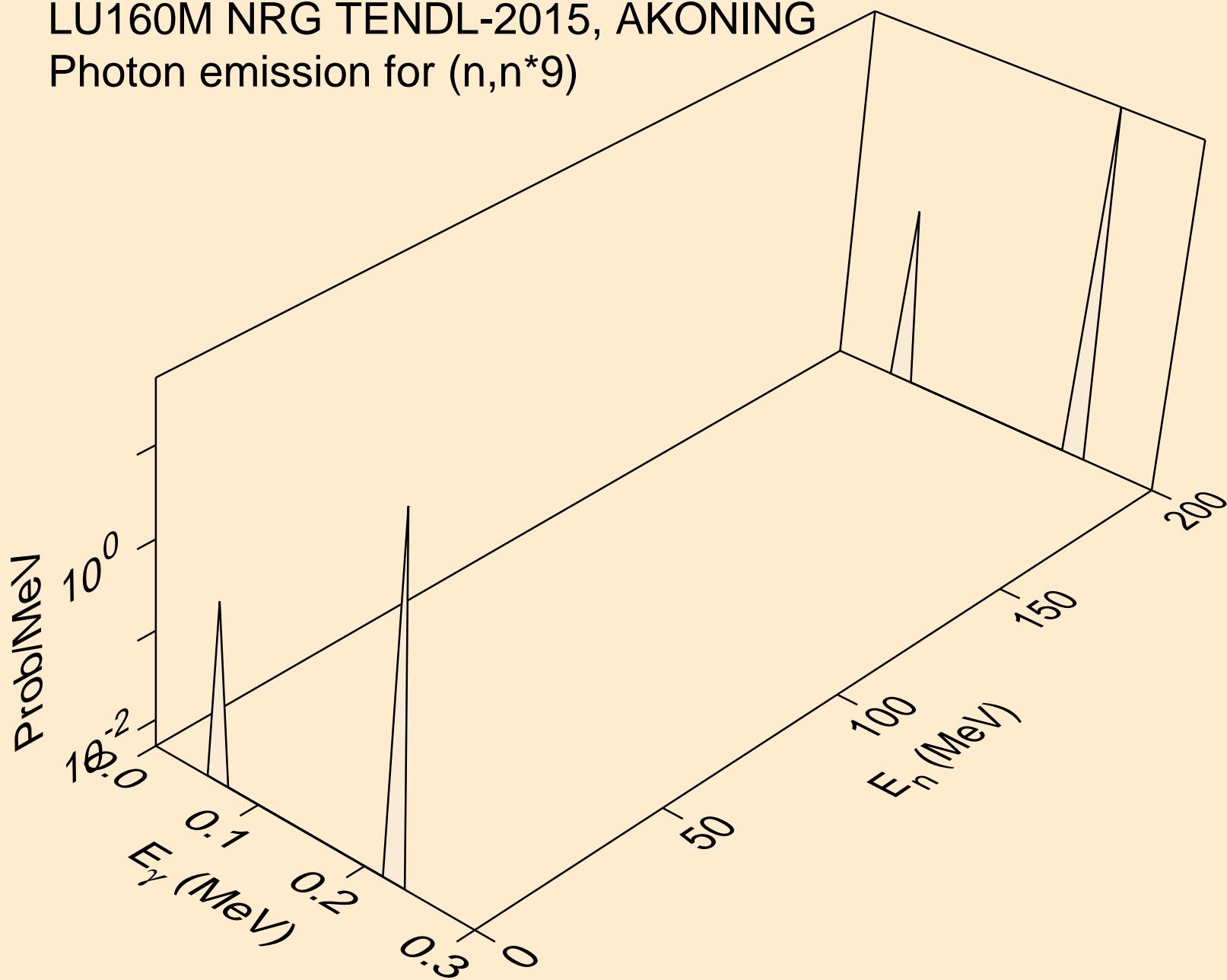
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*7)



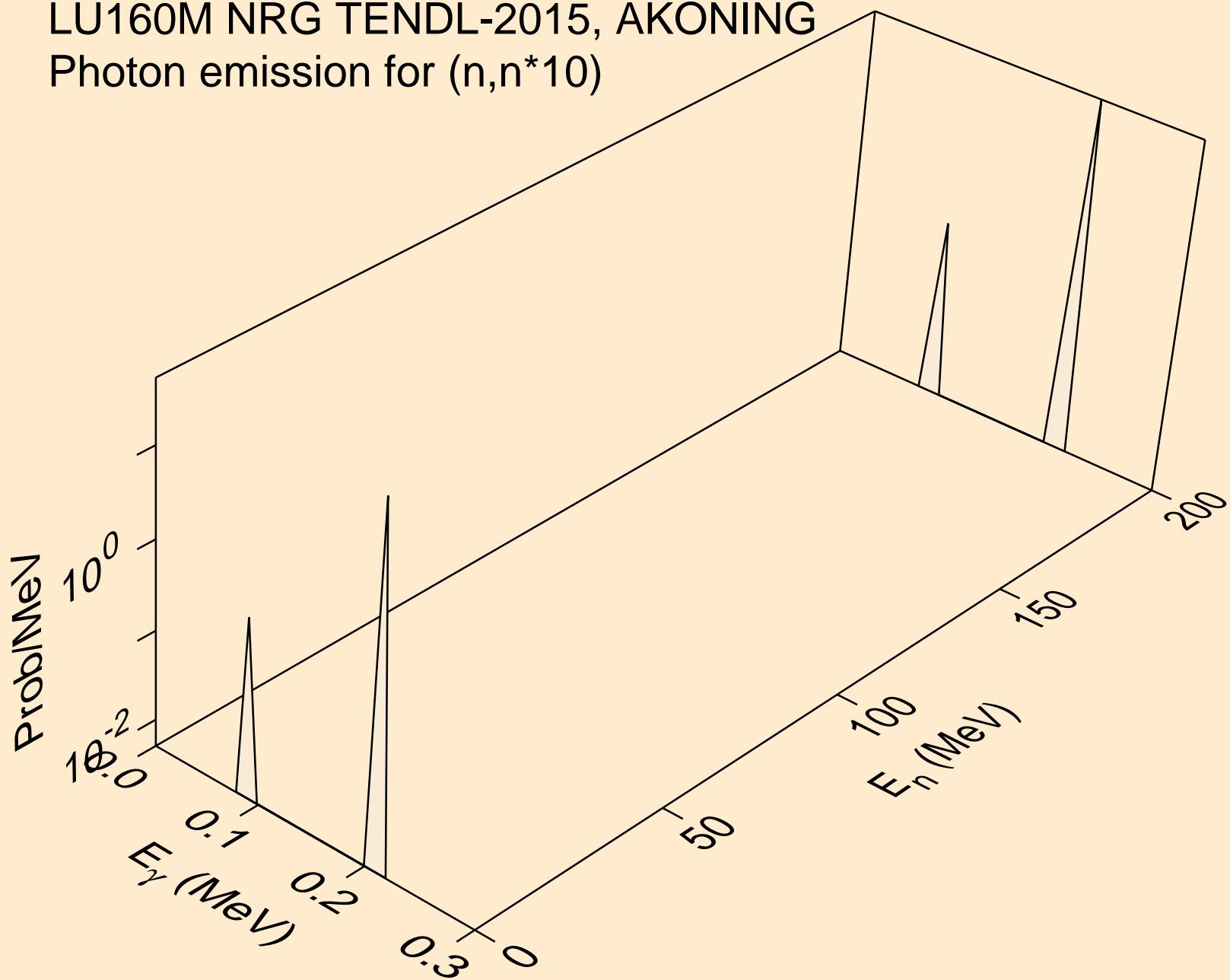
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*8)



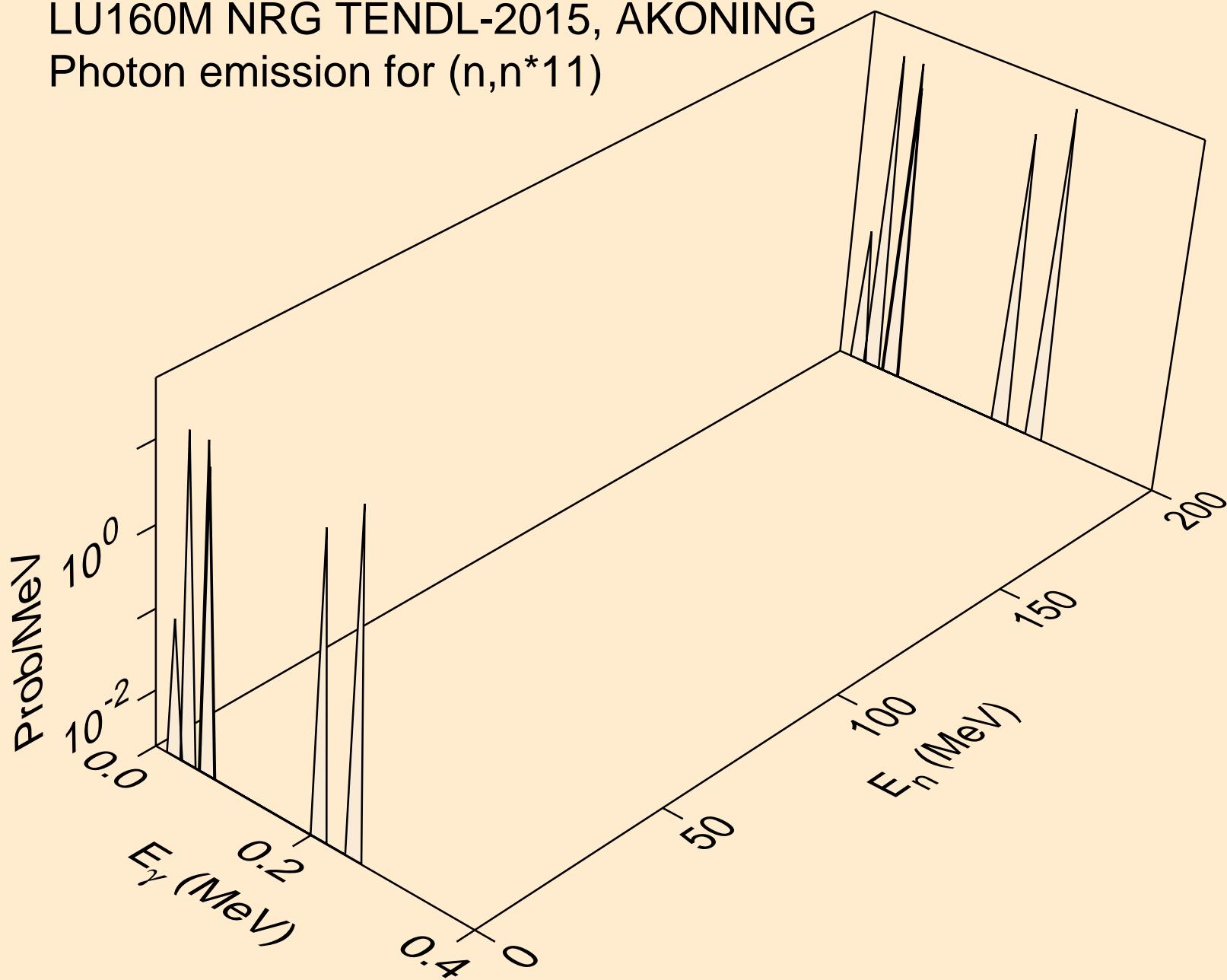
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*9)



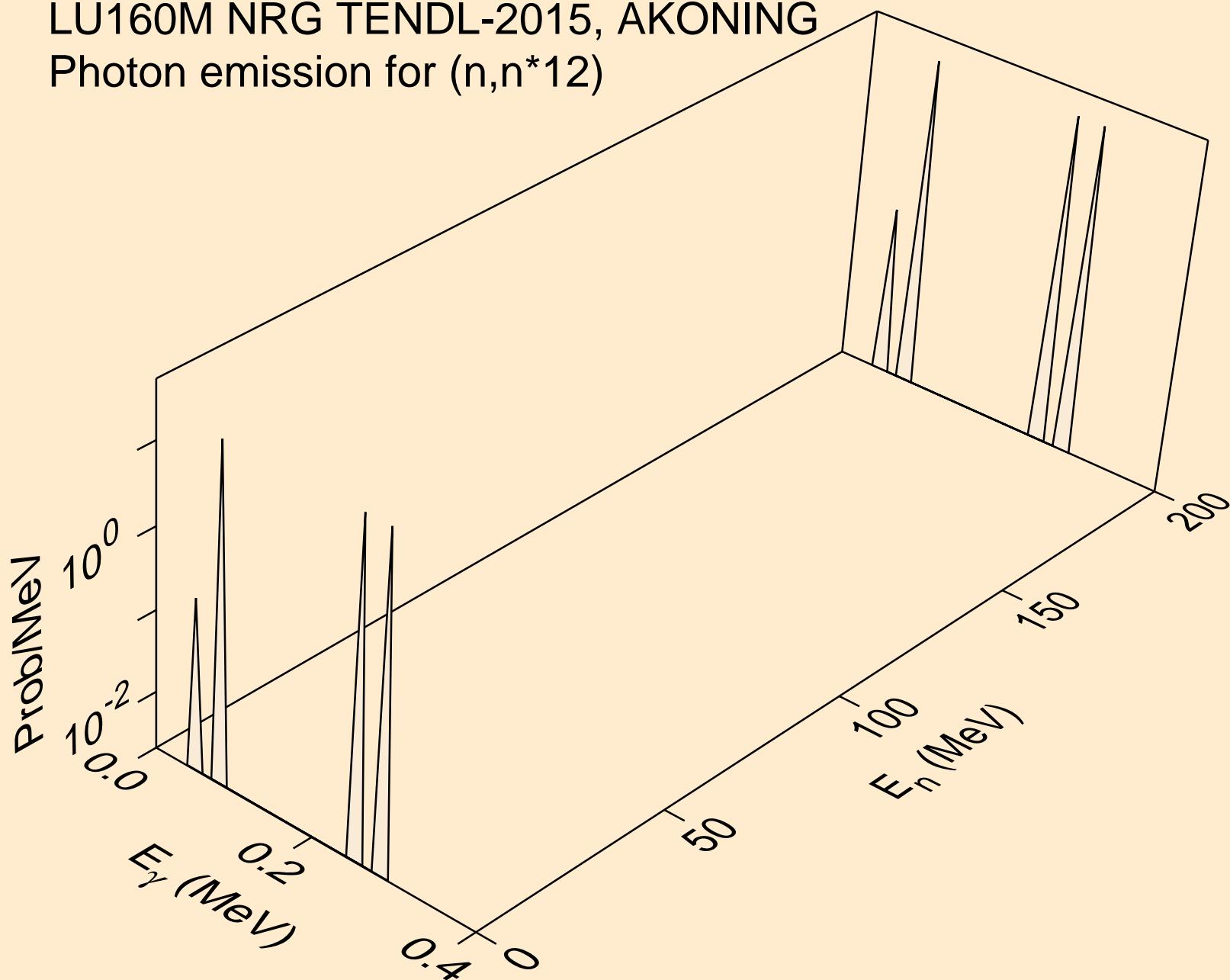
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*10)



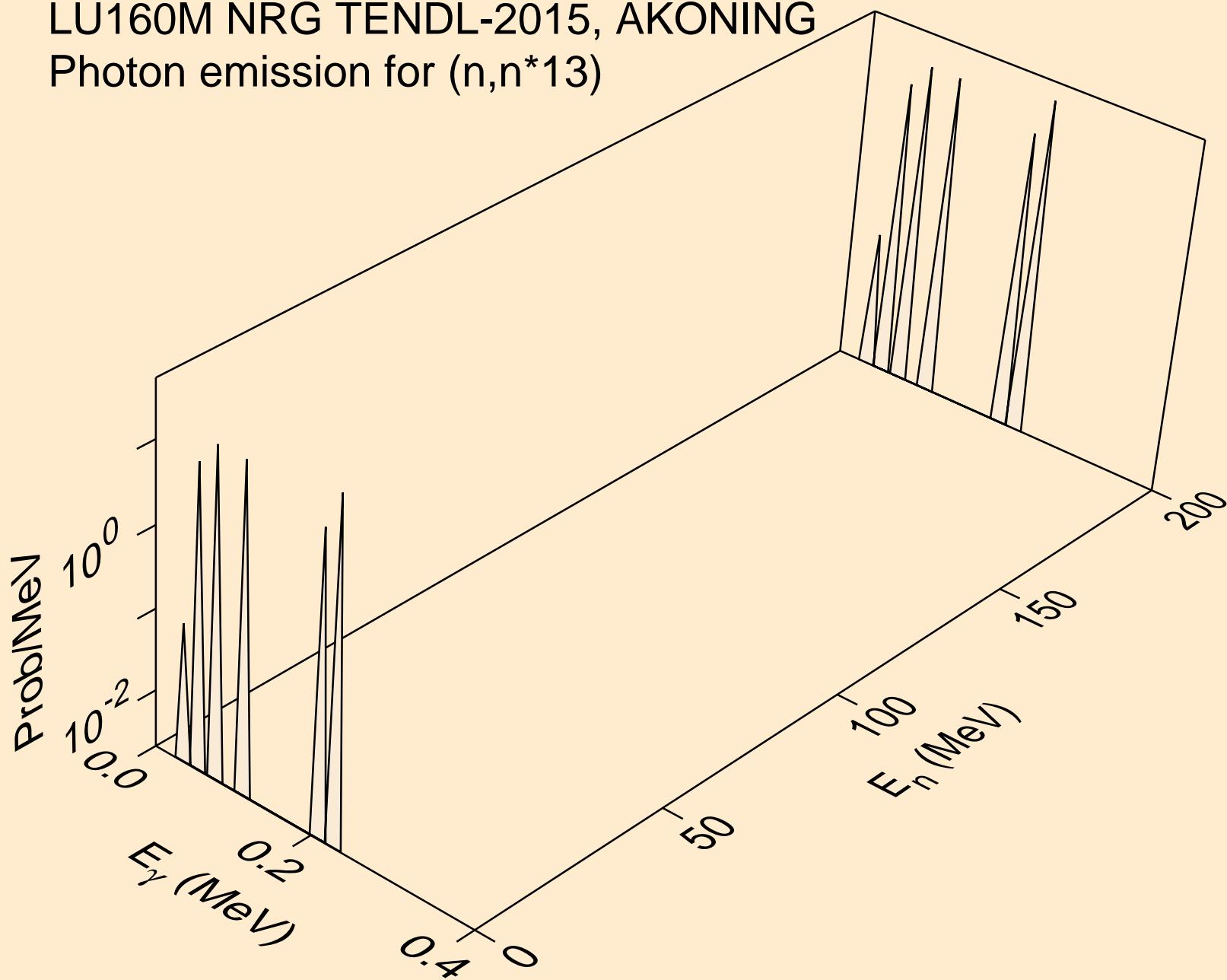
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*11)



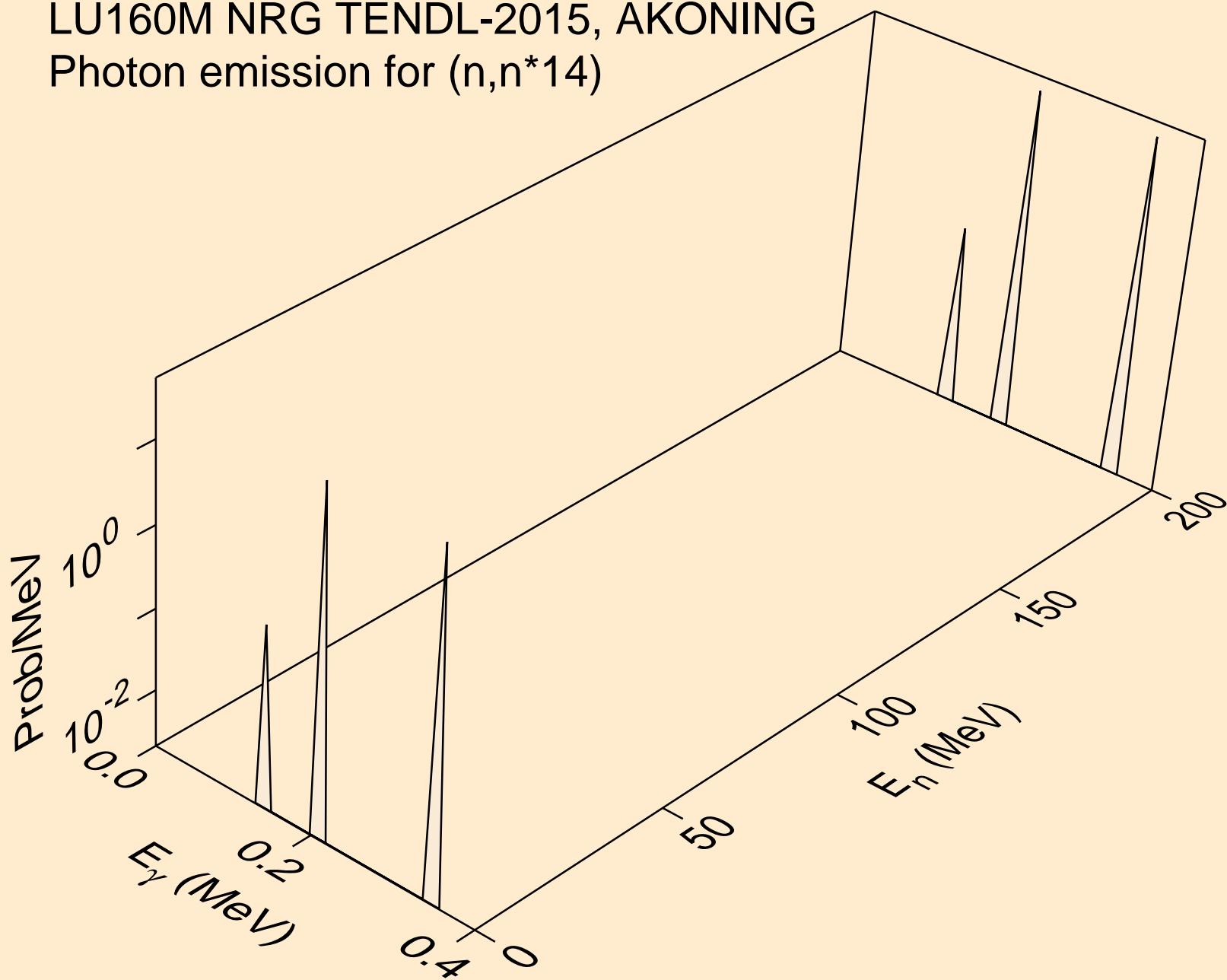
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*12)



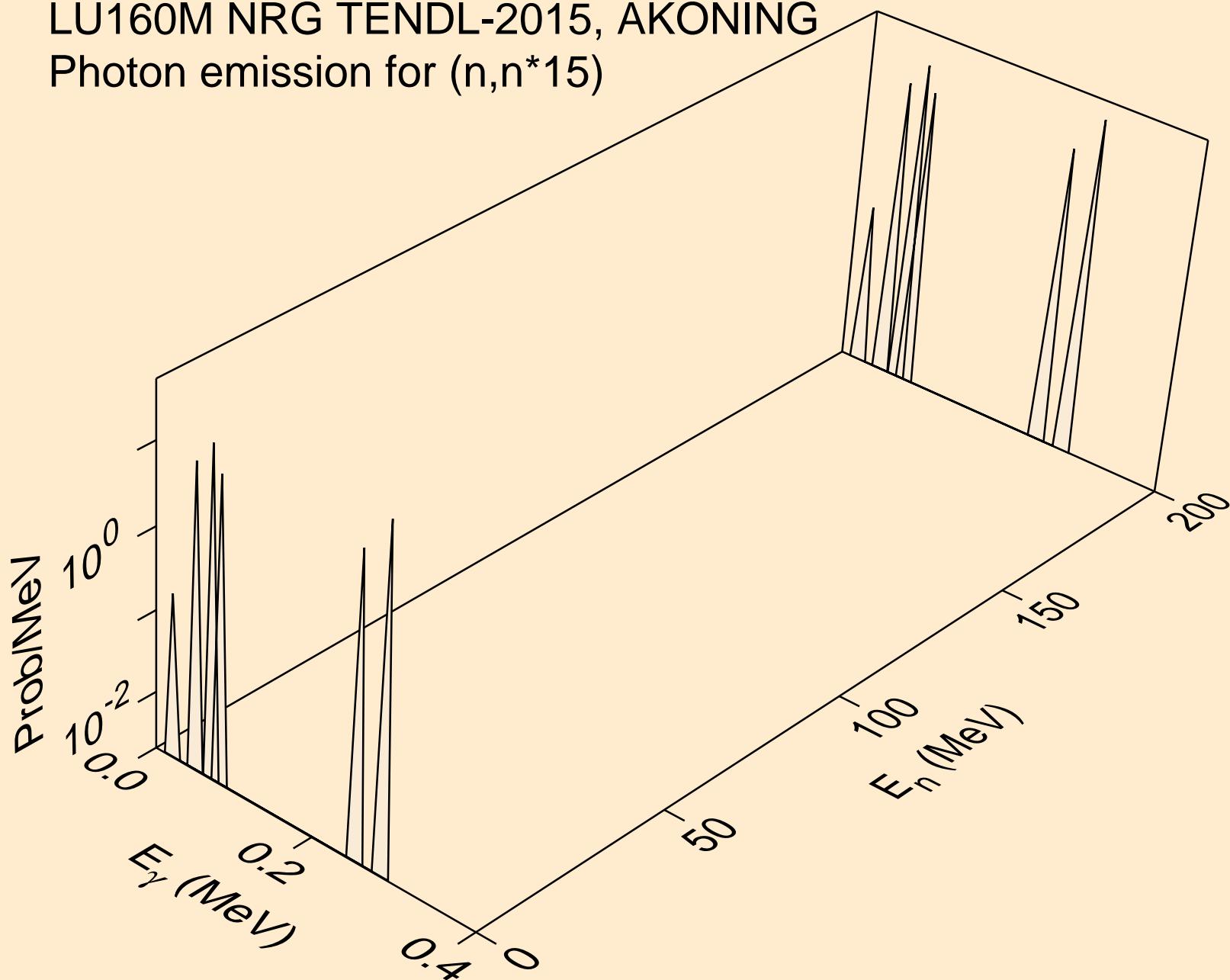
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 13$ )



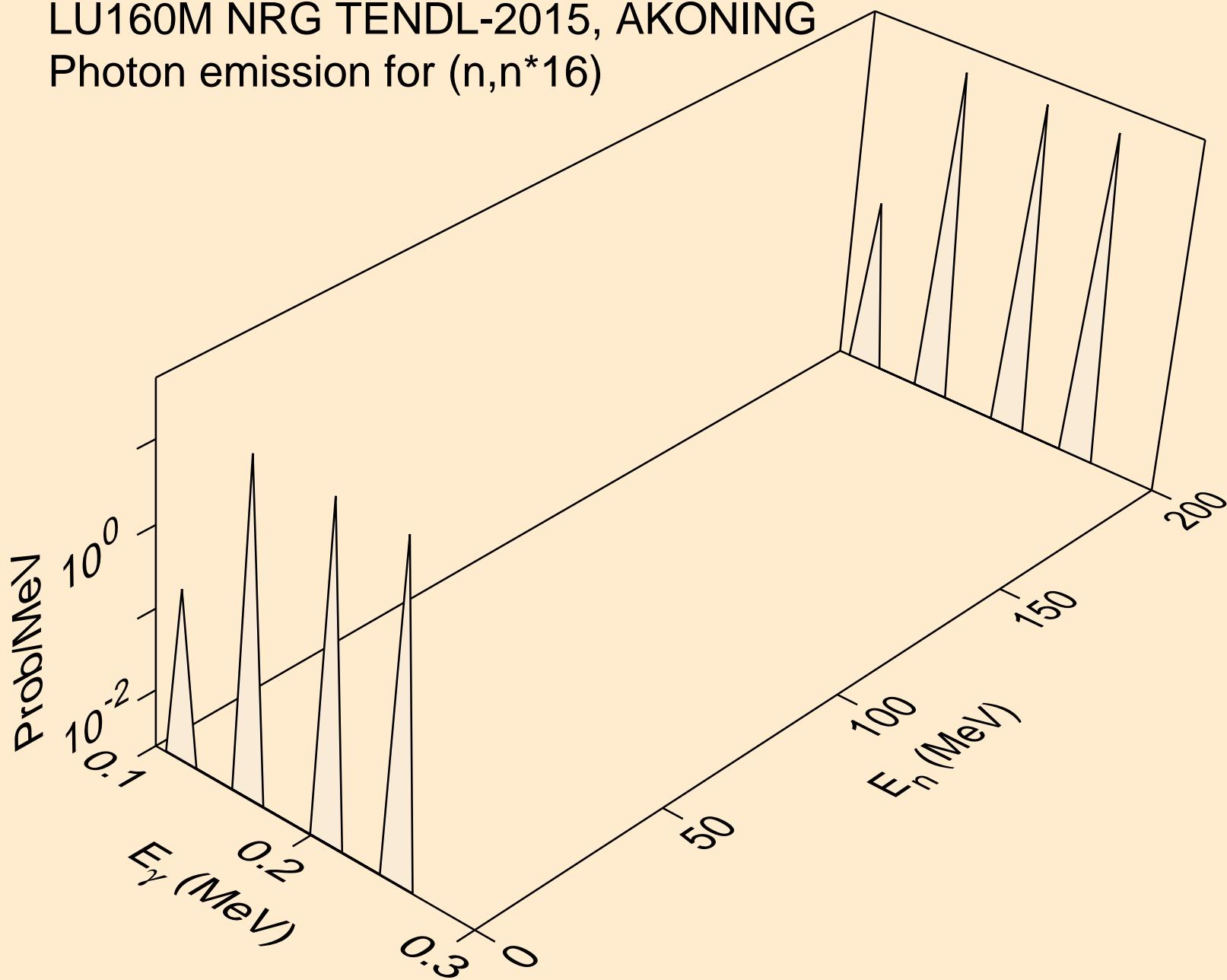
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 14$ )



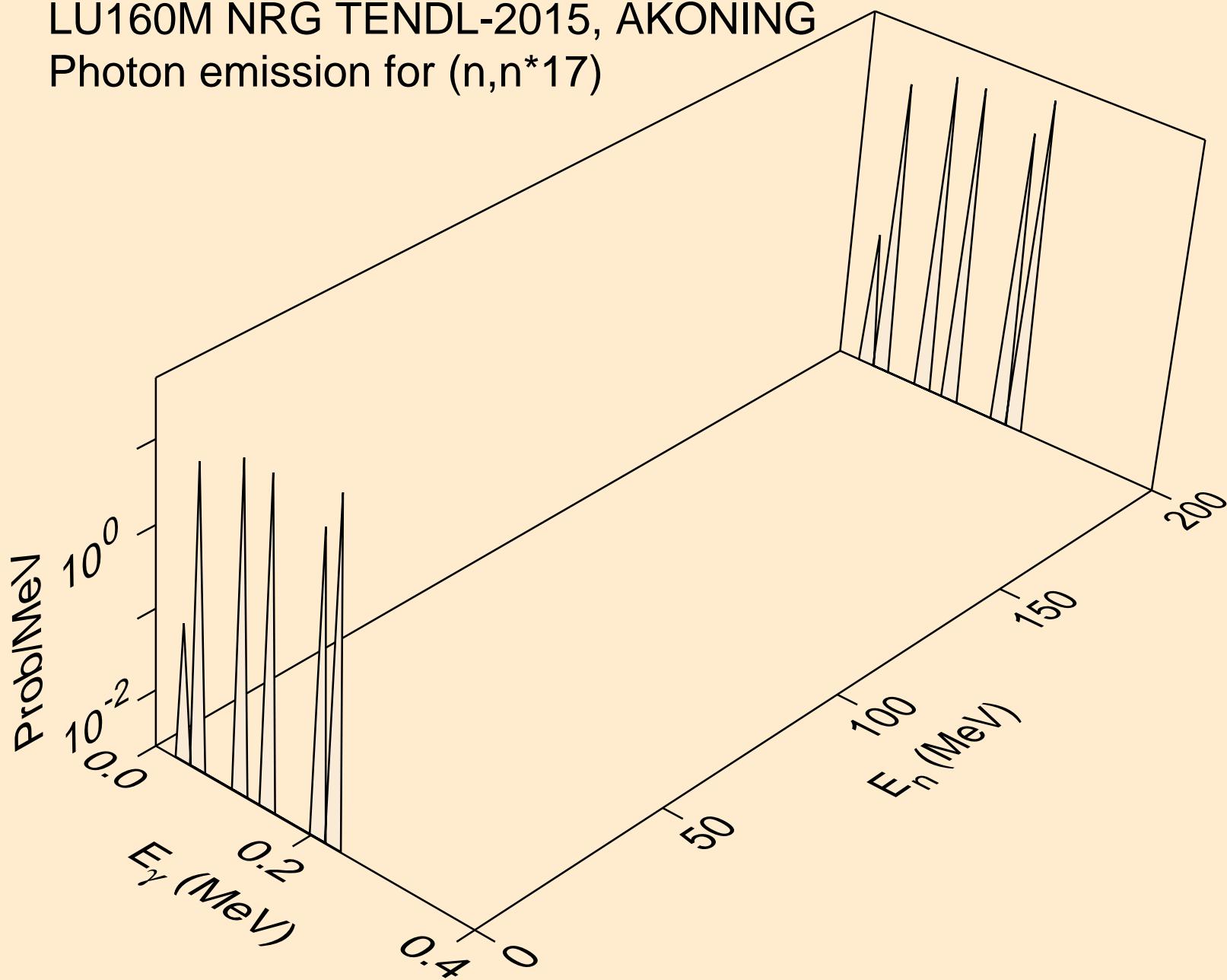
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 15$ )



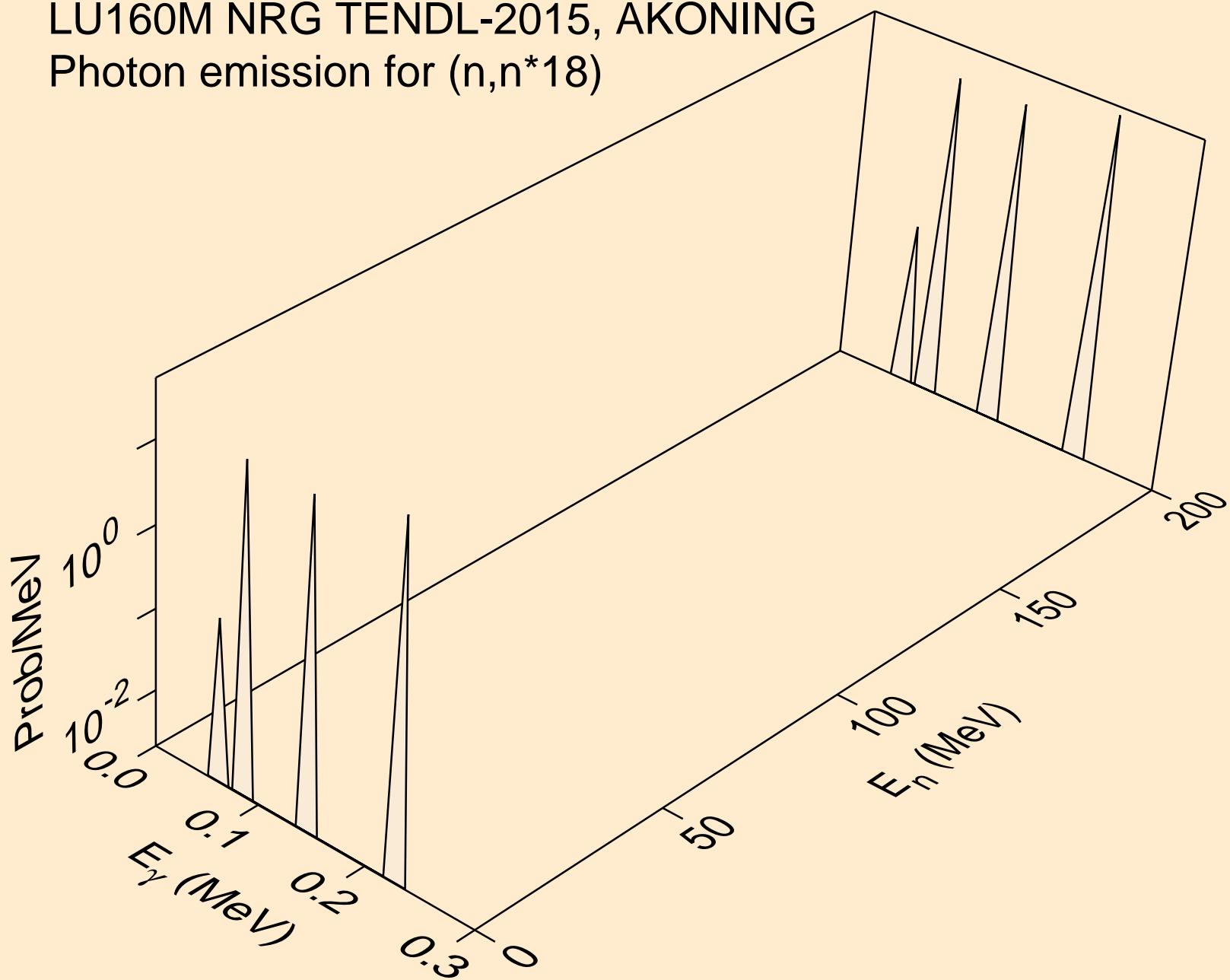
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*16)



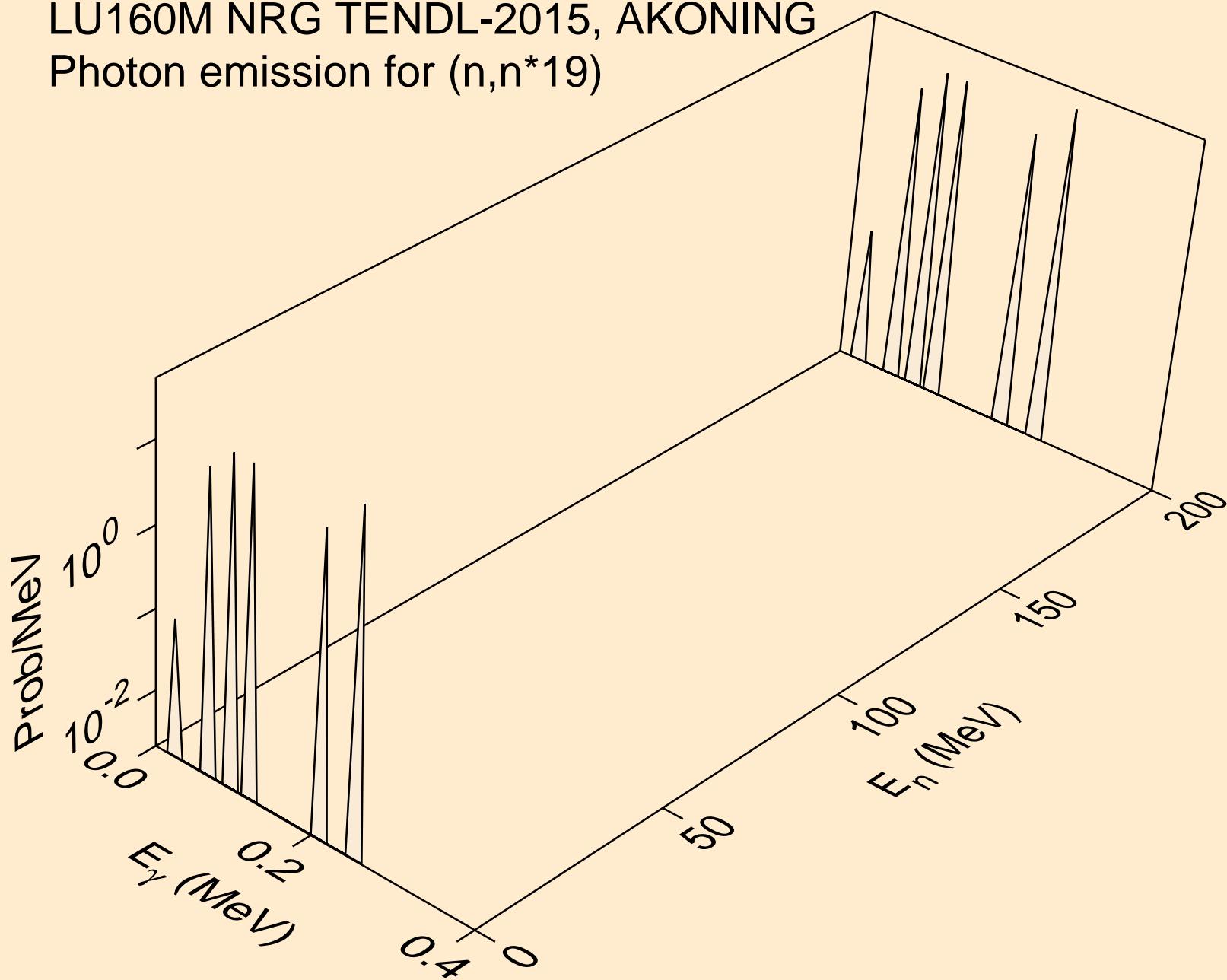
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 17$ )



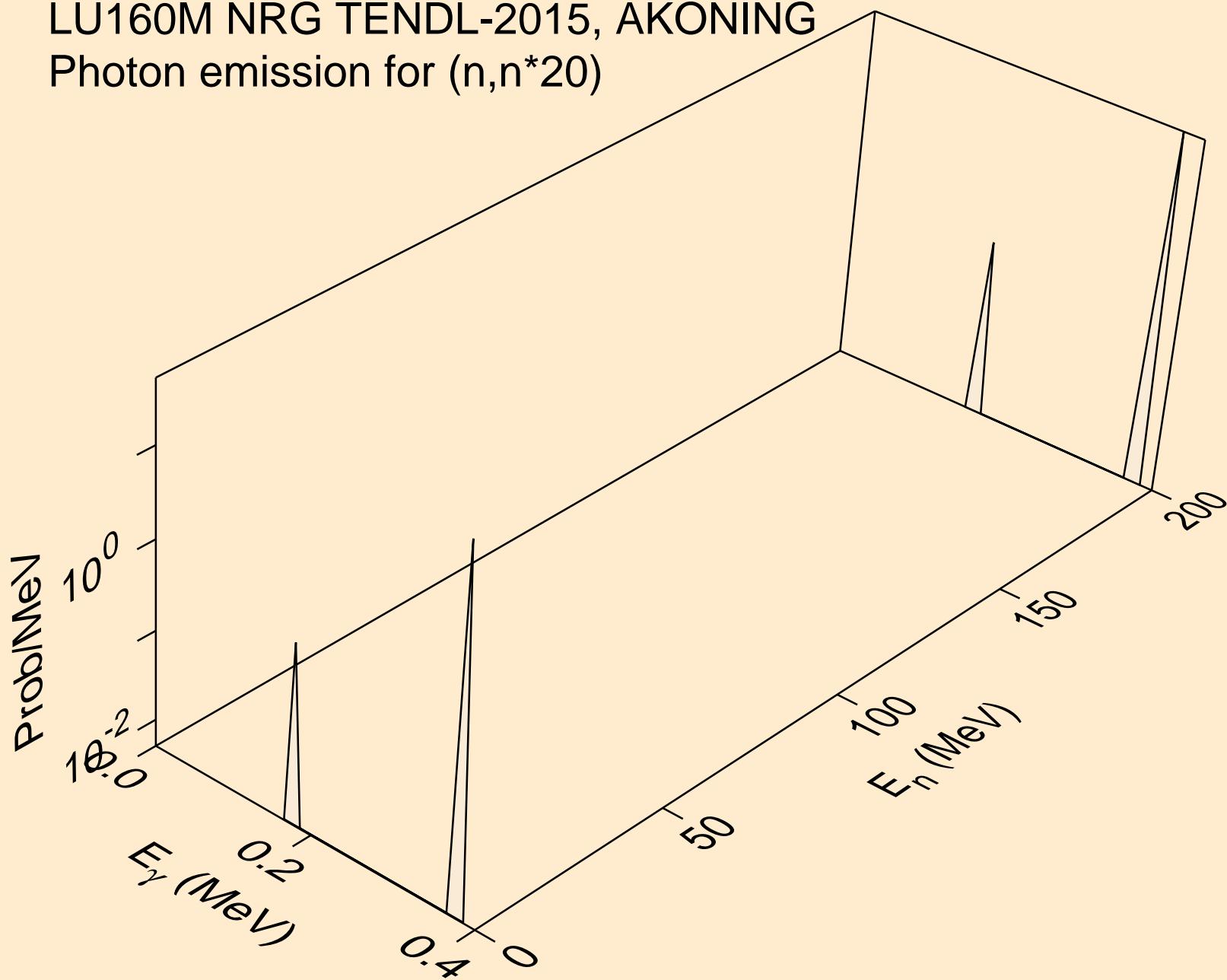
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 18$ )



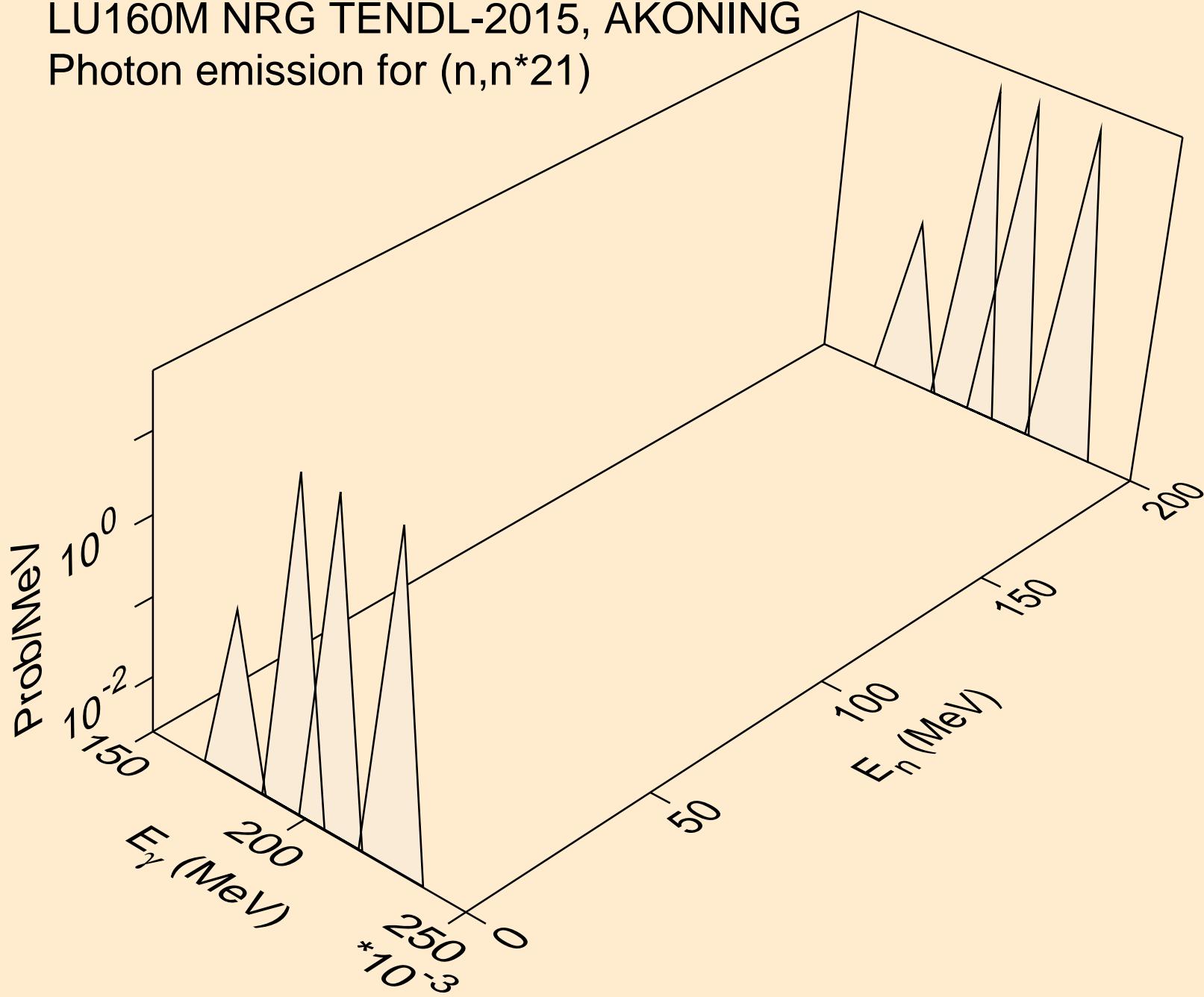
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*19)



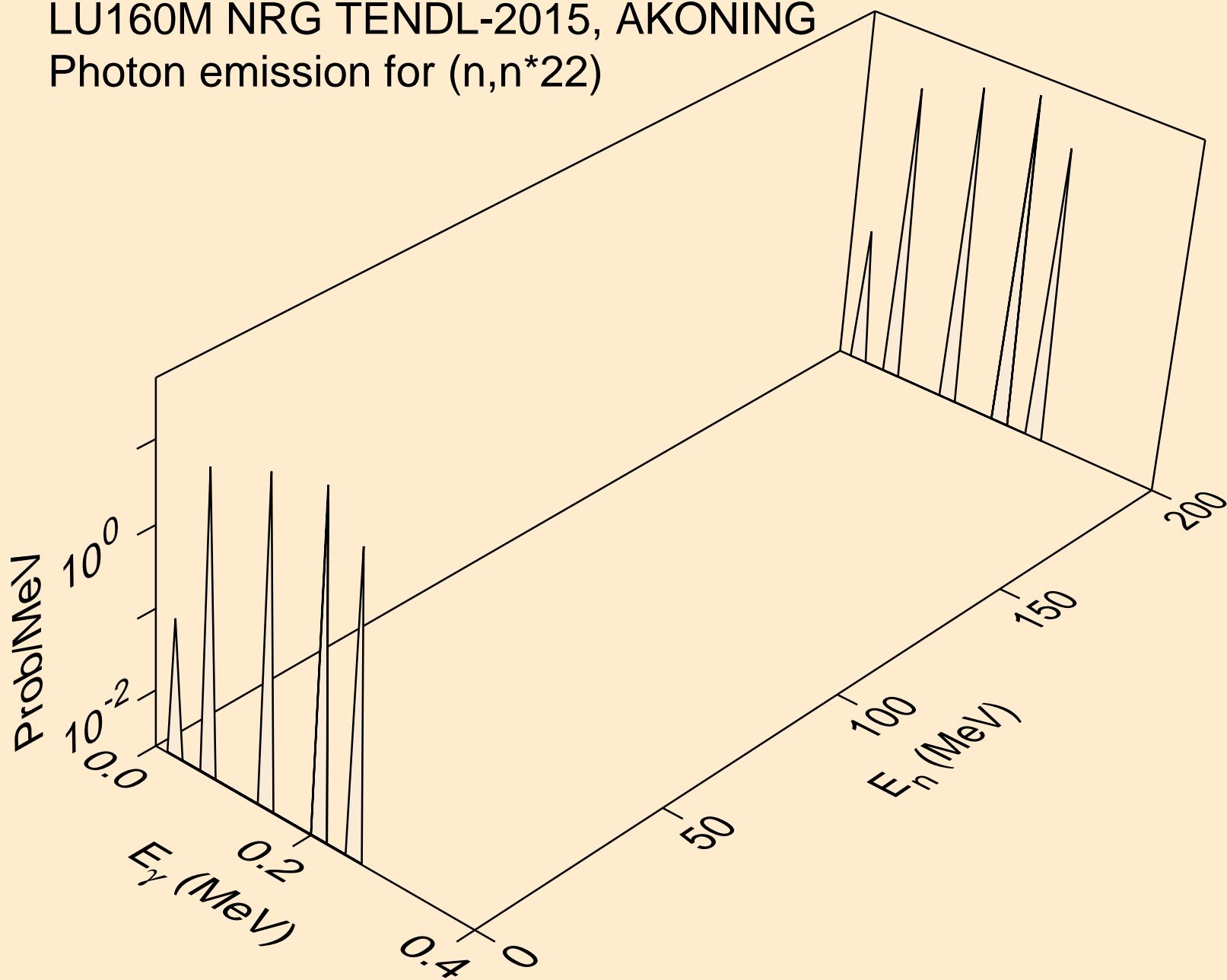
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*20)



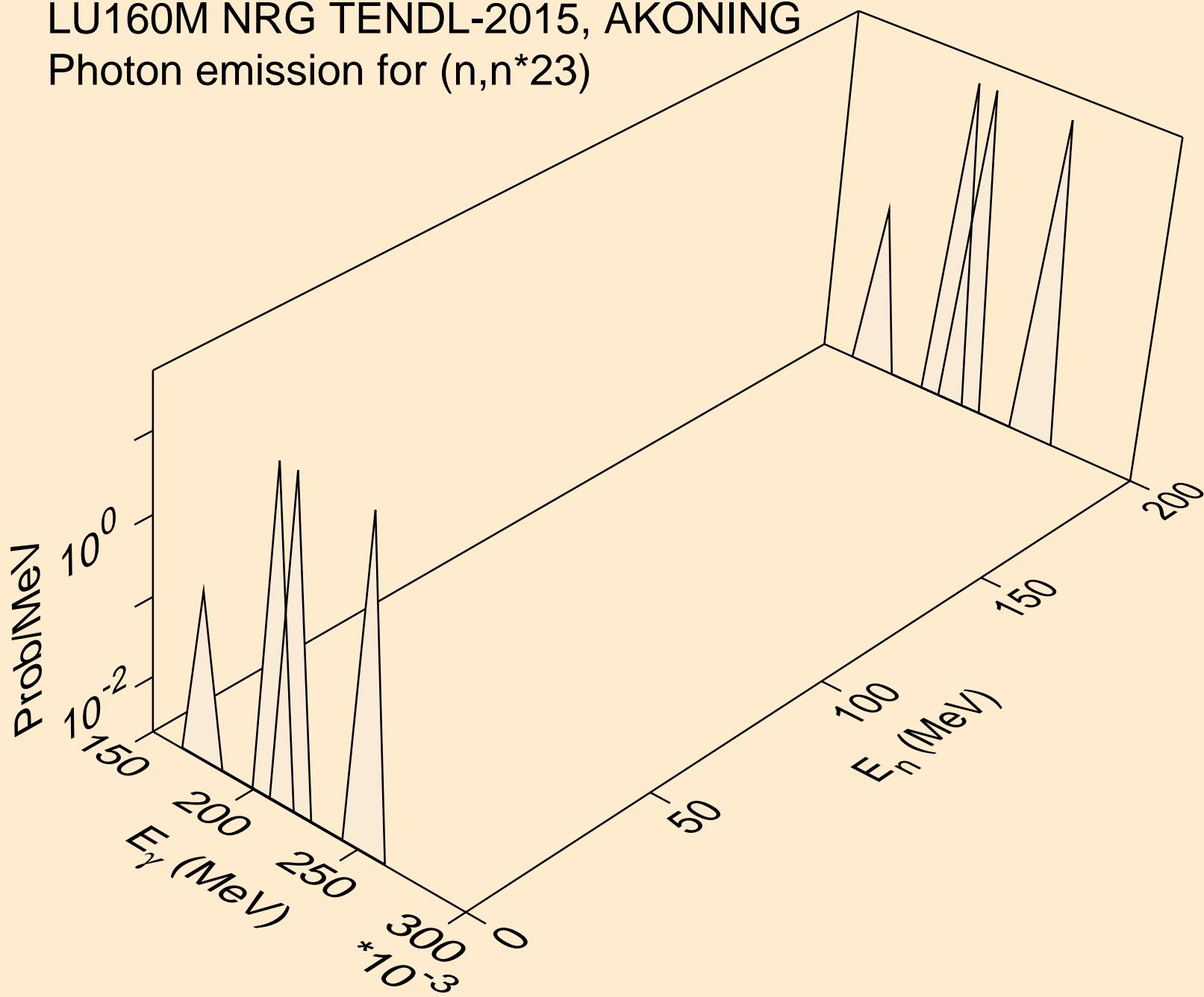
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 21$ )



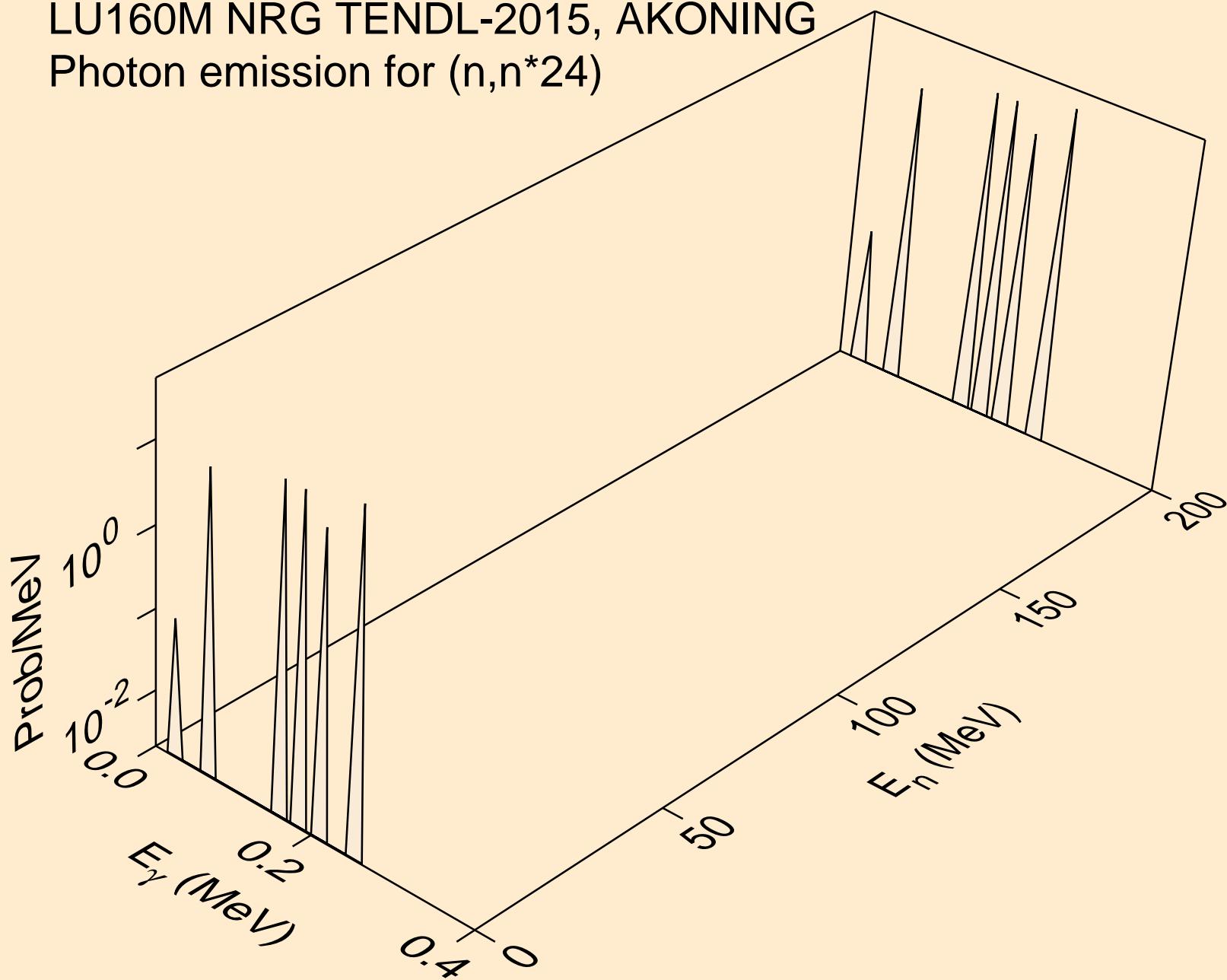
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 22$ )



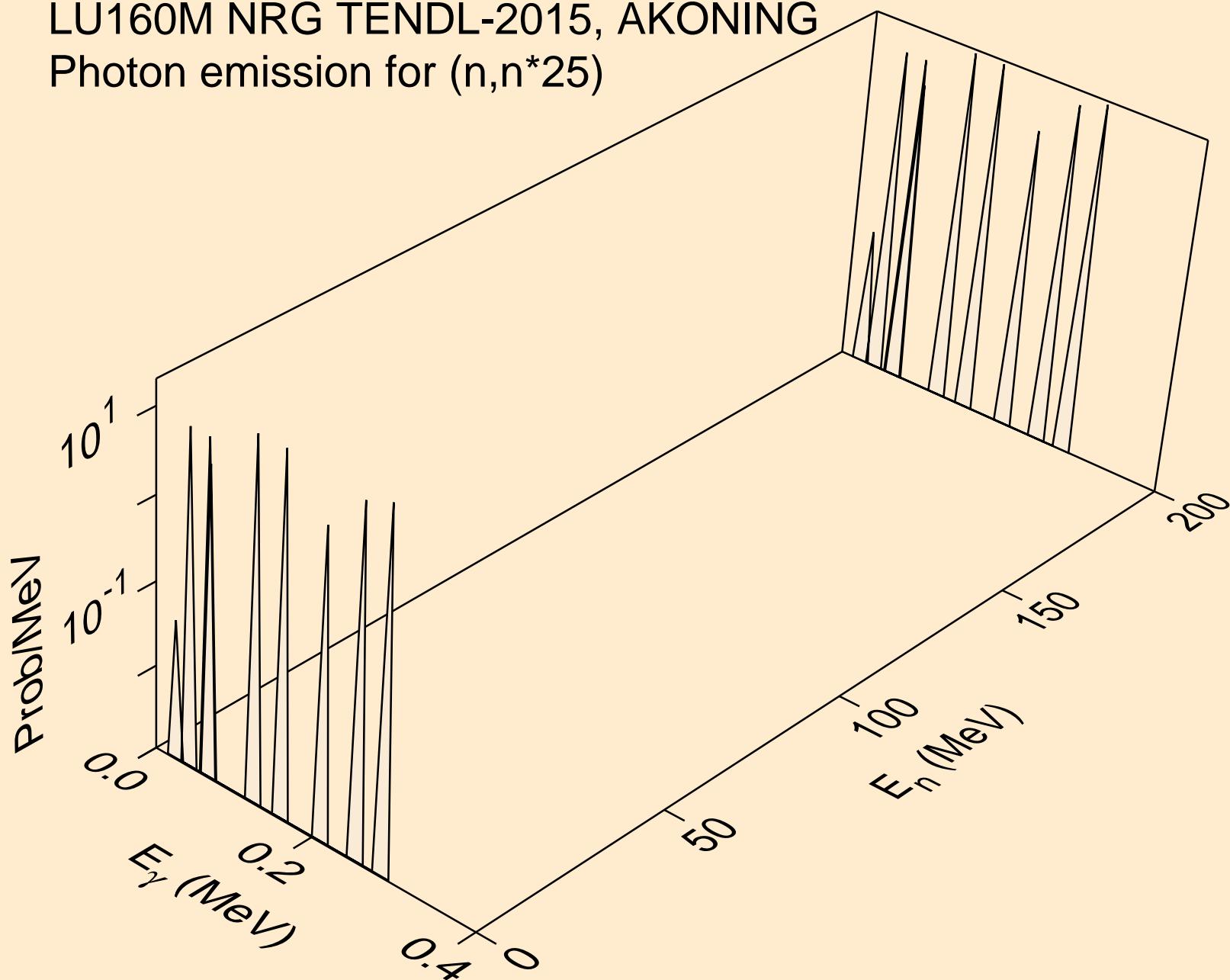
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 23$ )



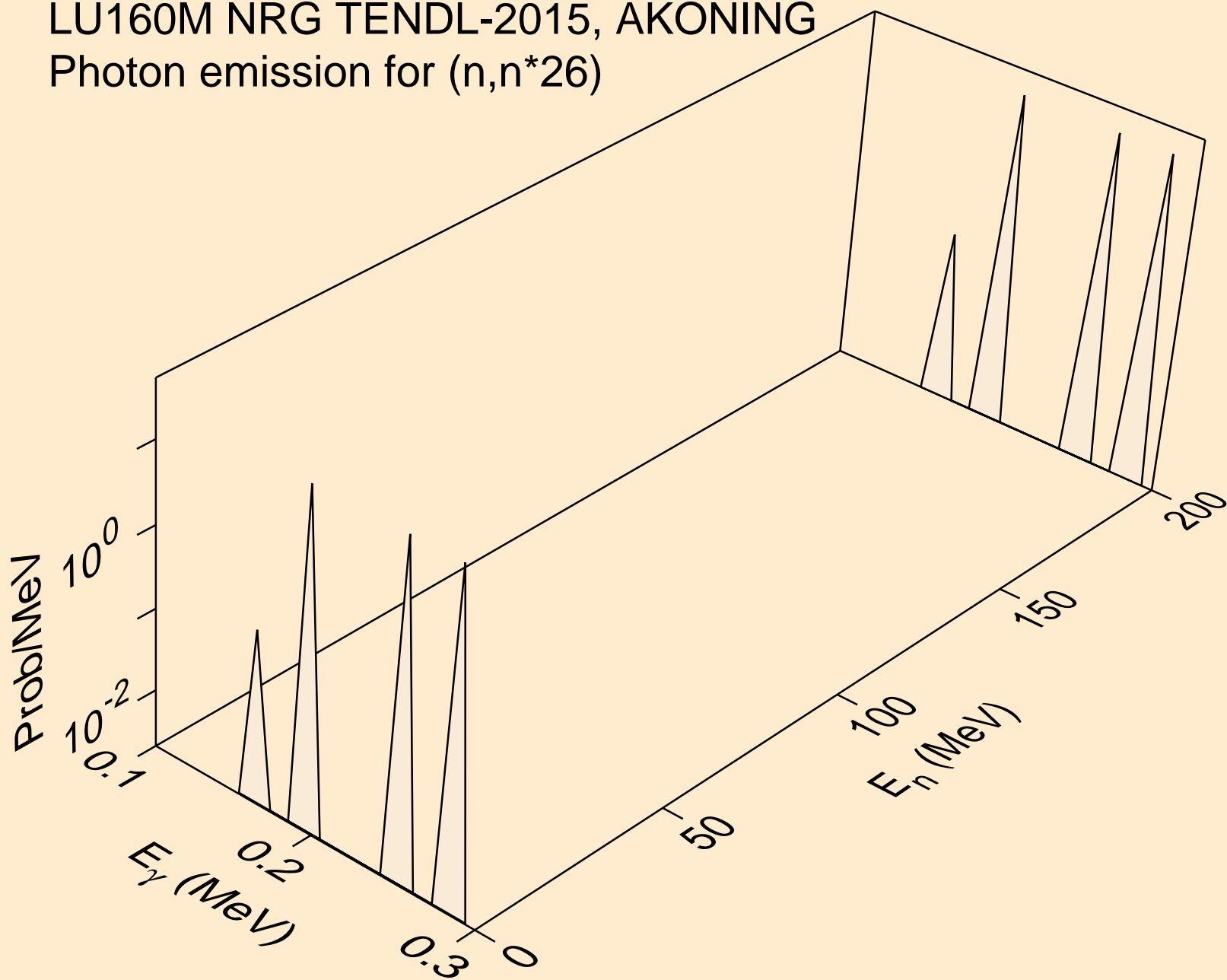
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 24$ )



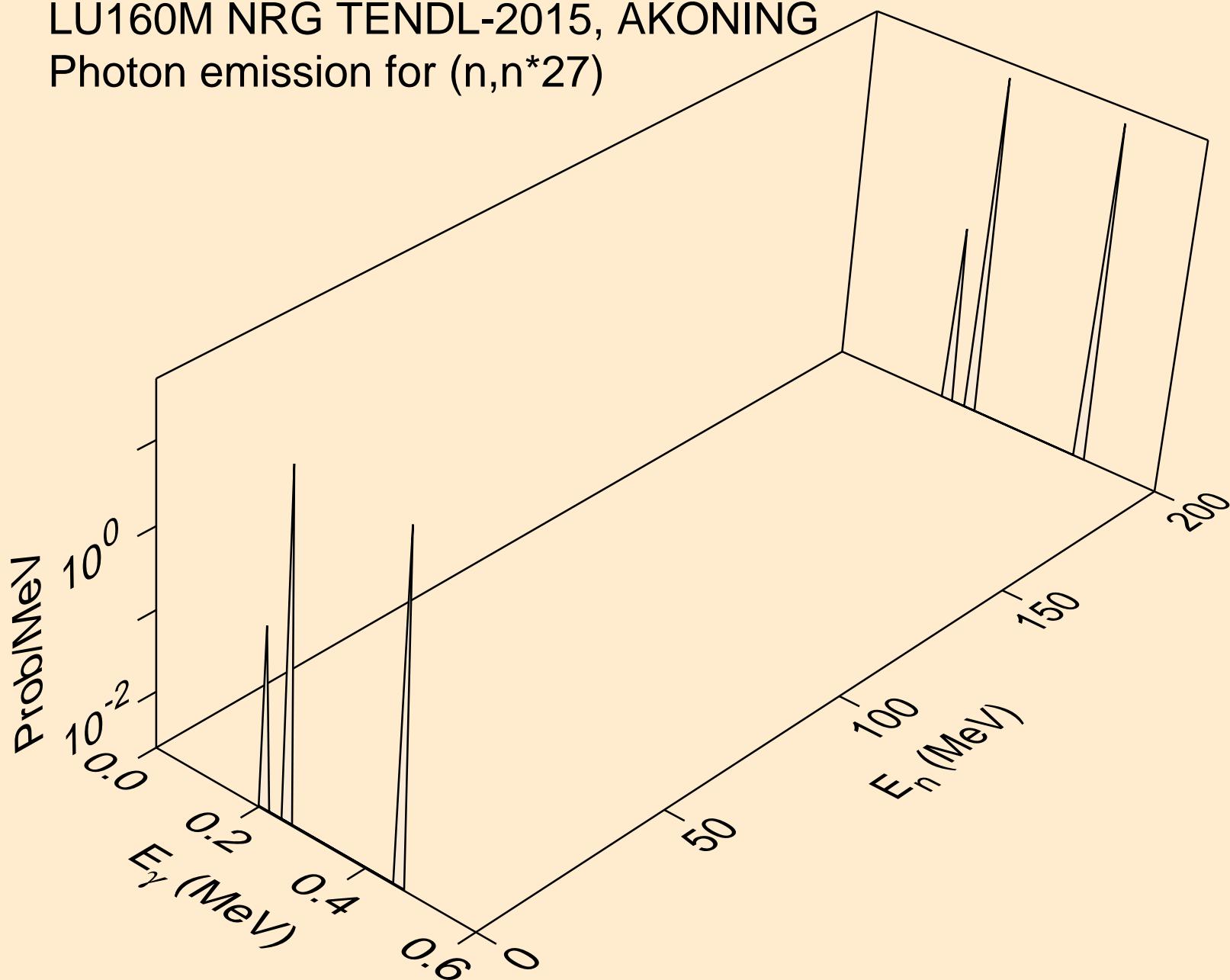
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 25$ )



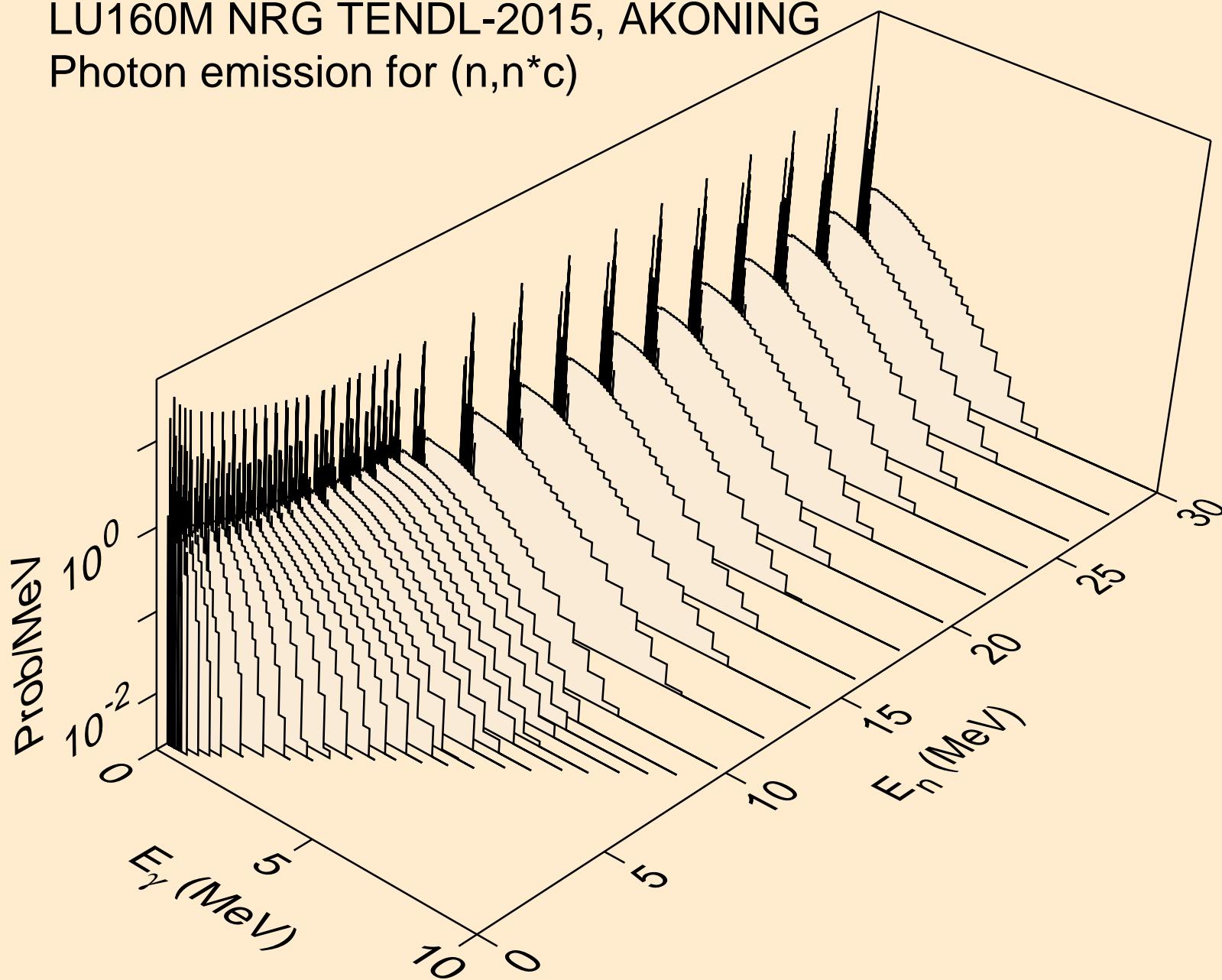
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*26)



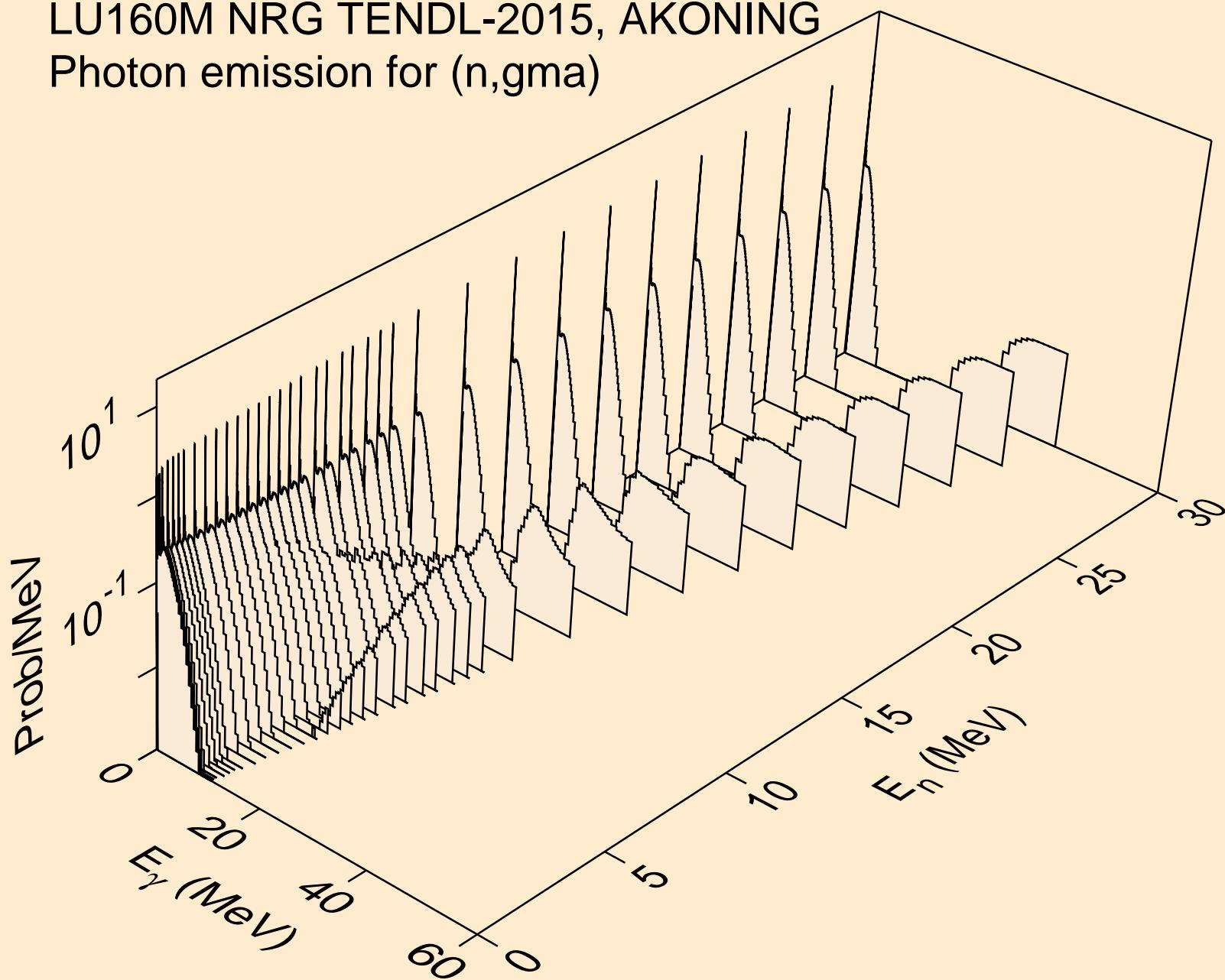
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 27$ )



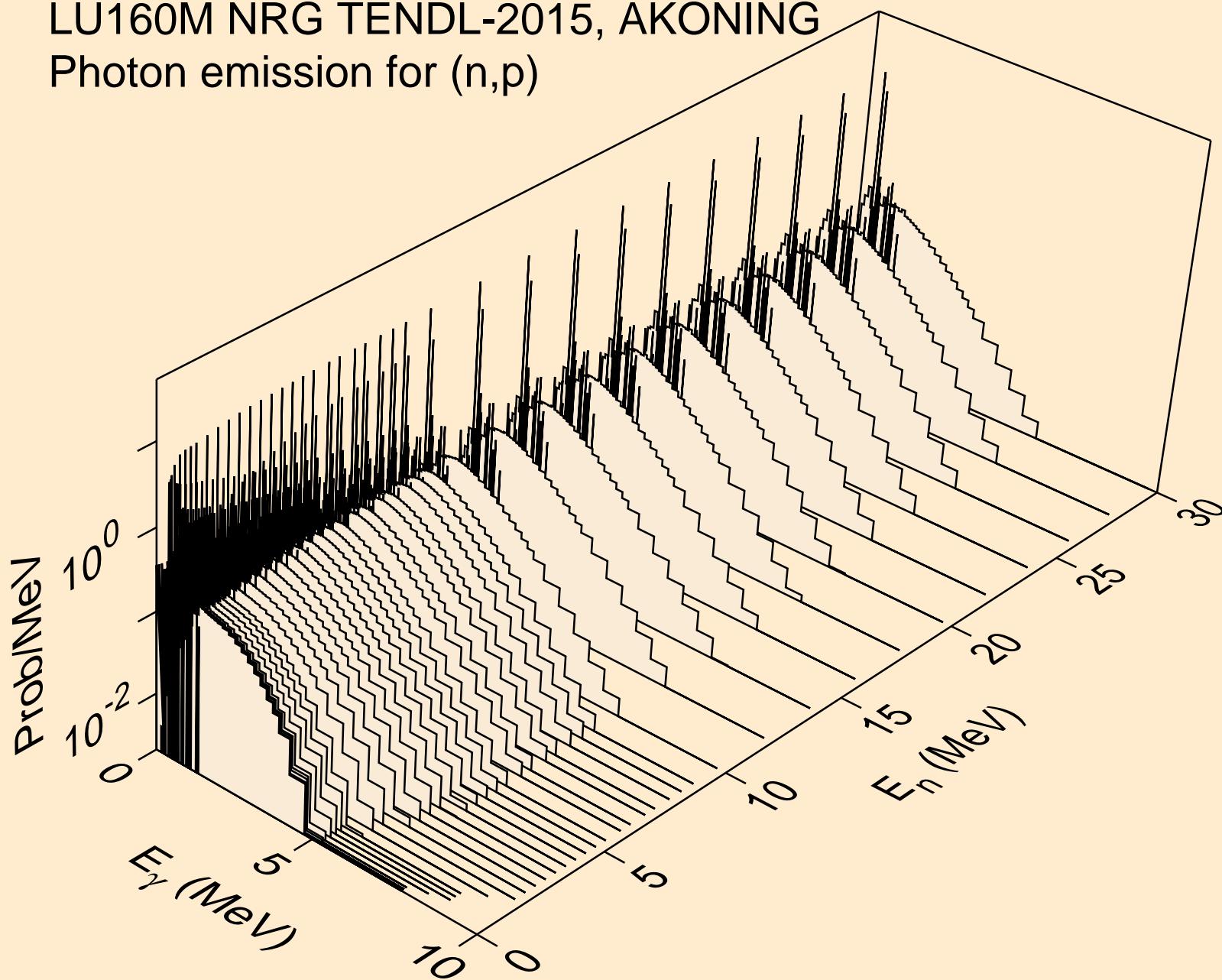
LU160M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^*c$ )



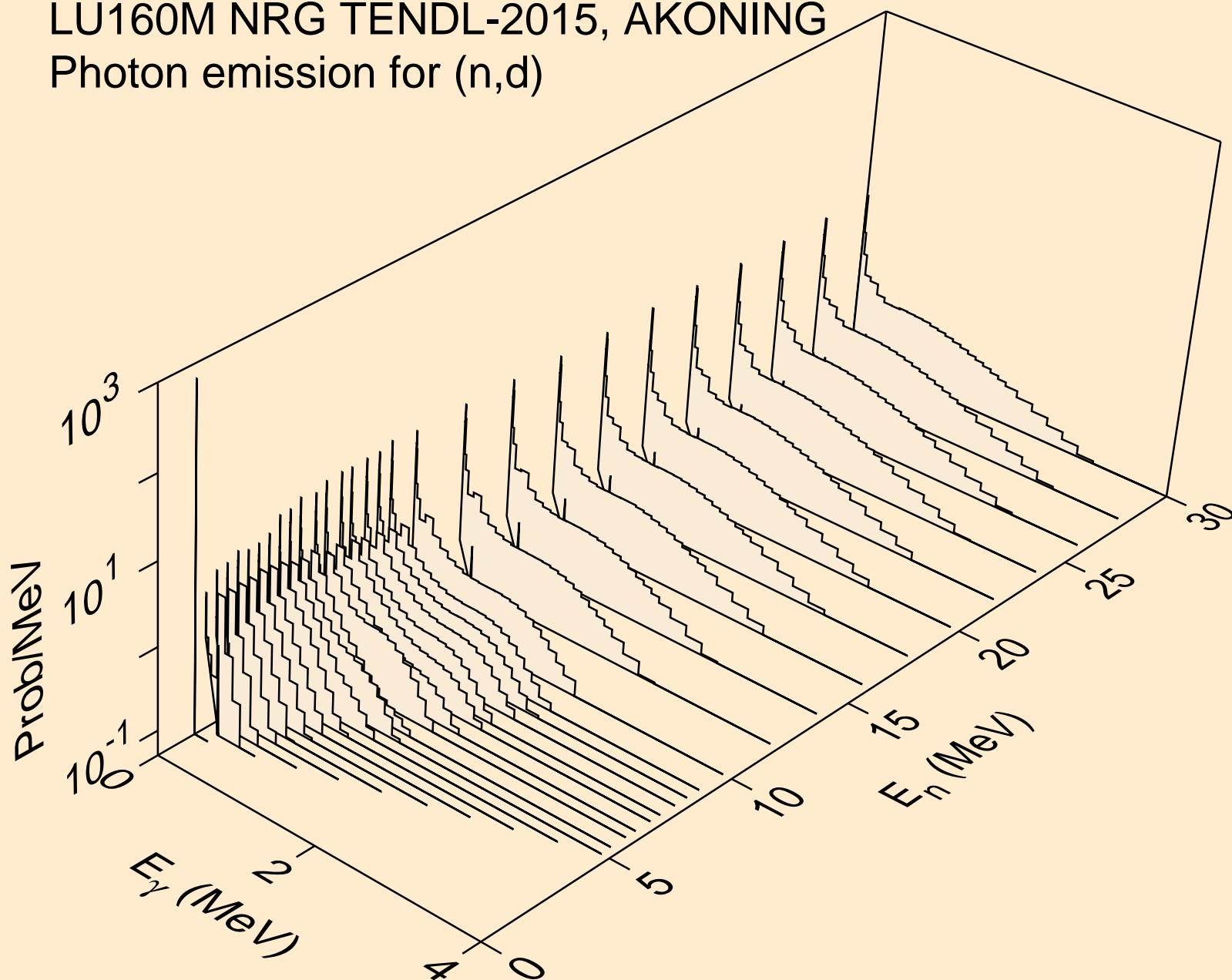
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



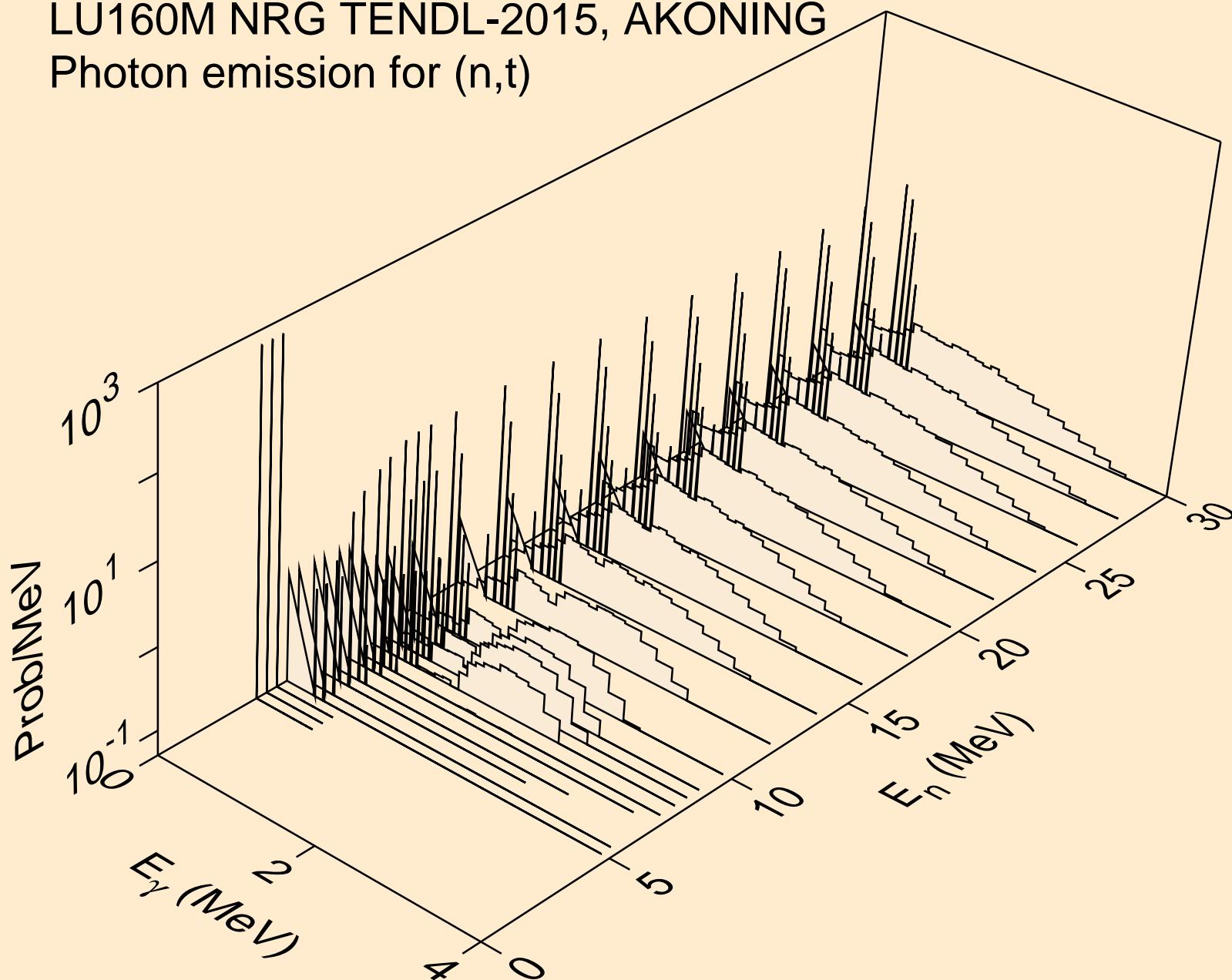
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,p)



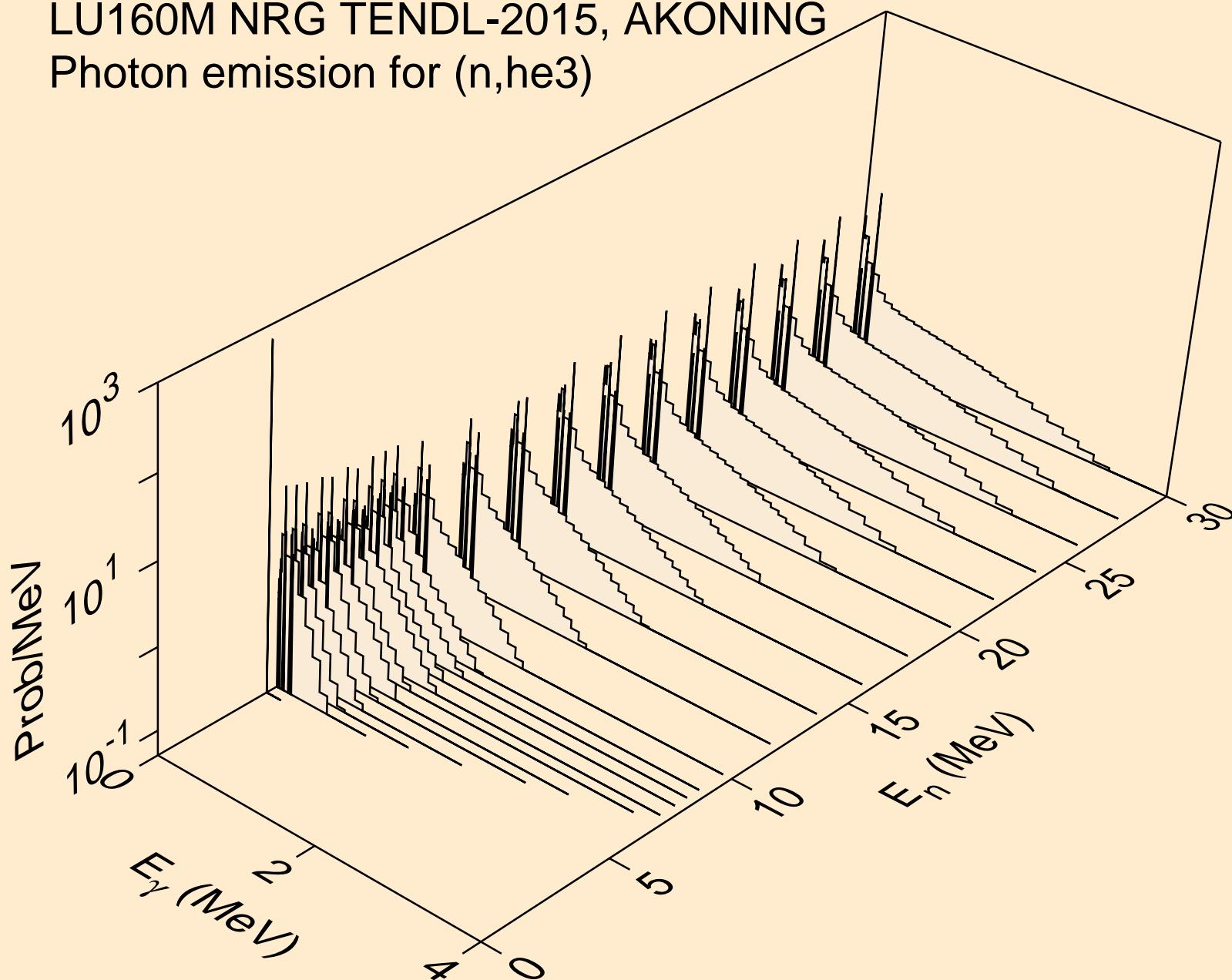
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,d)



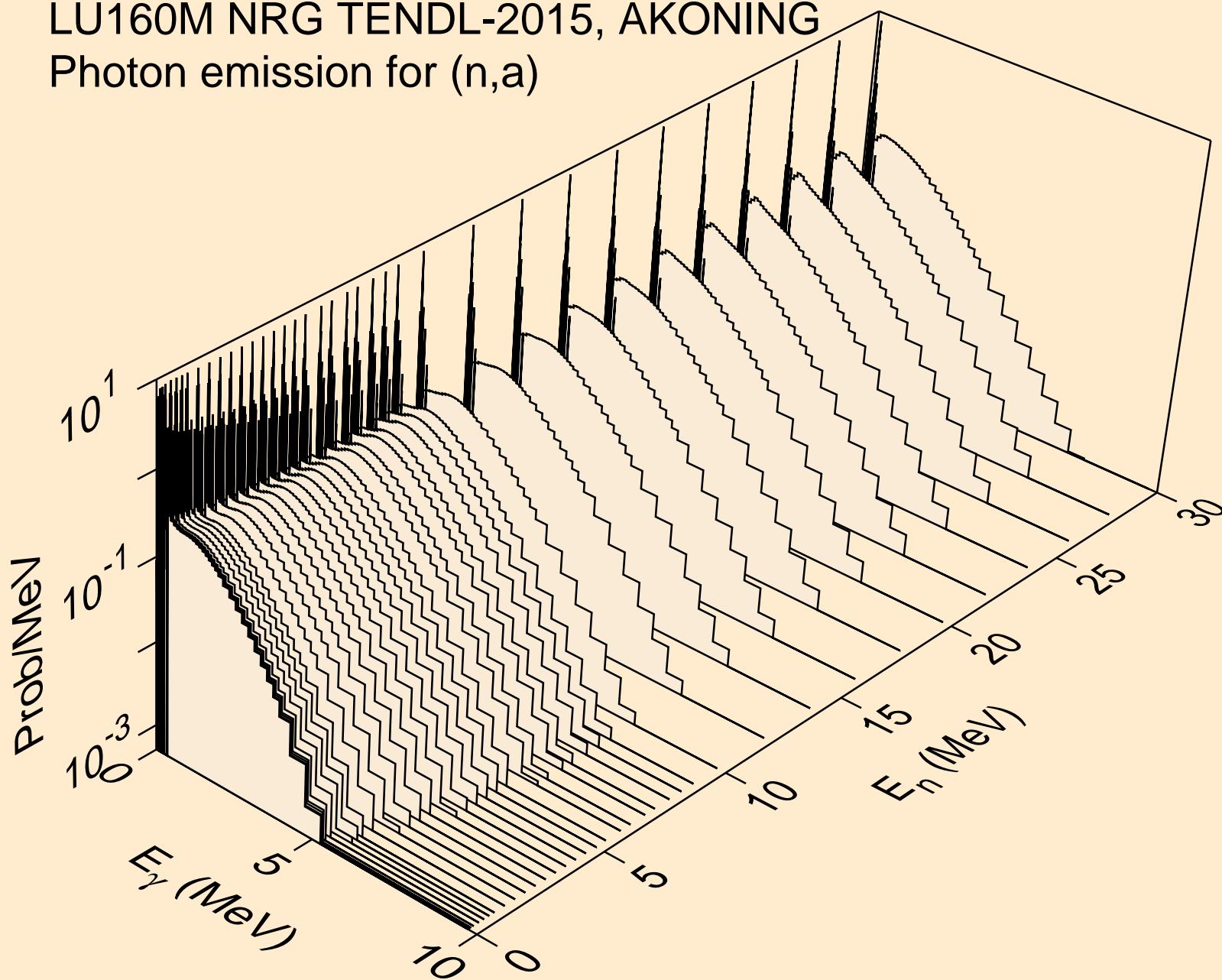
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,t)



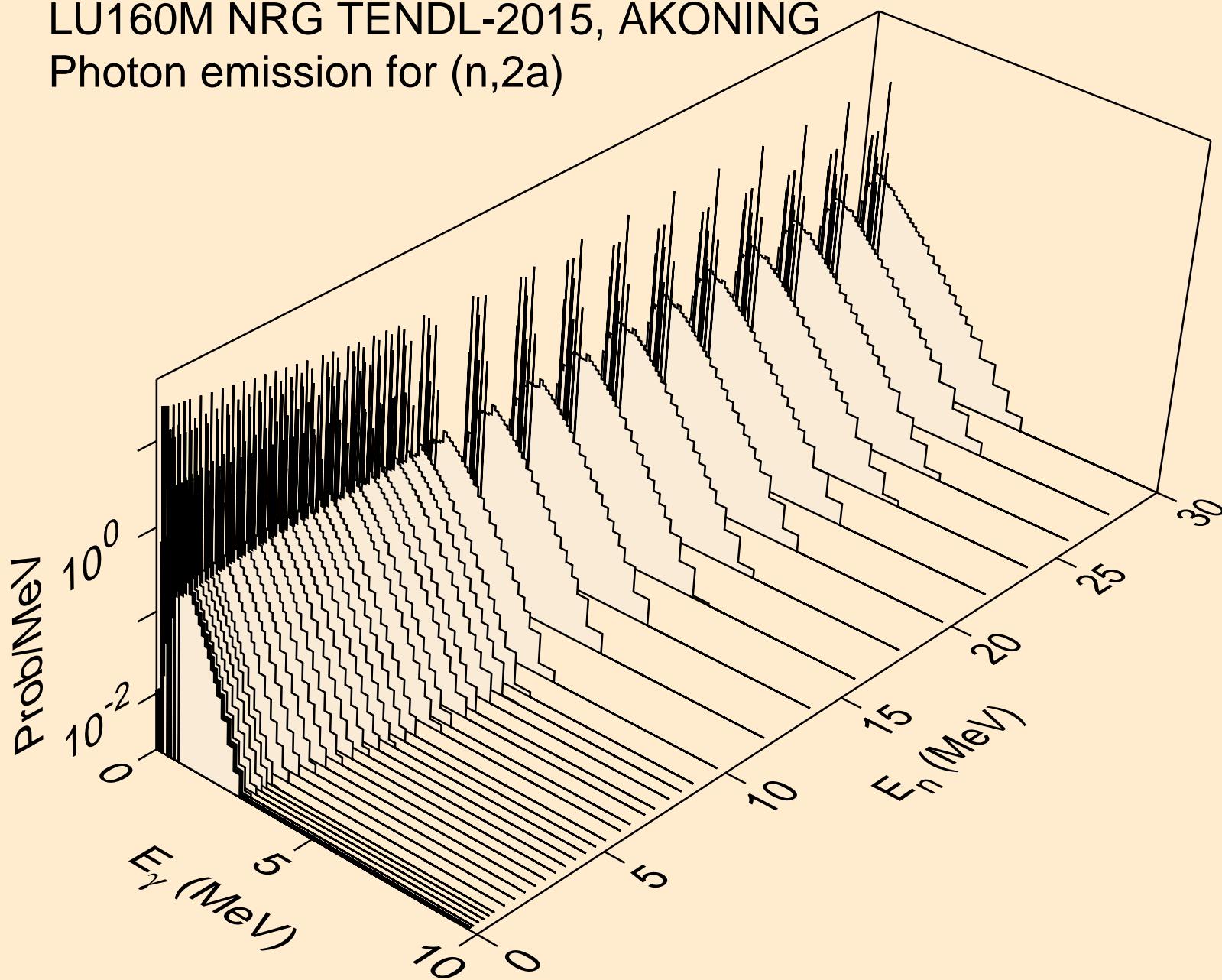
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



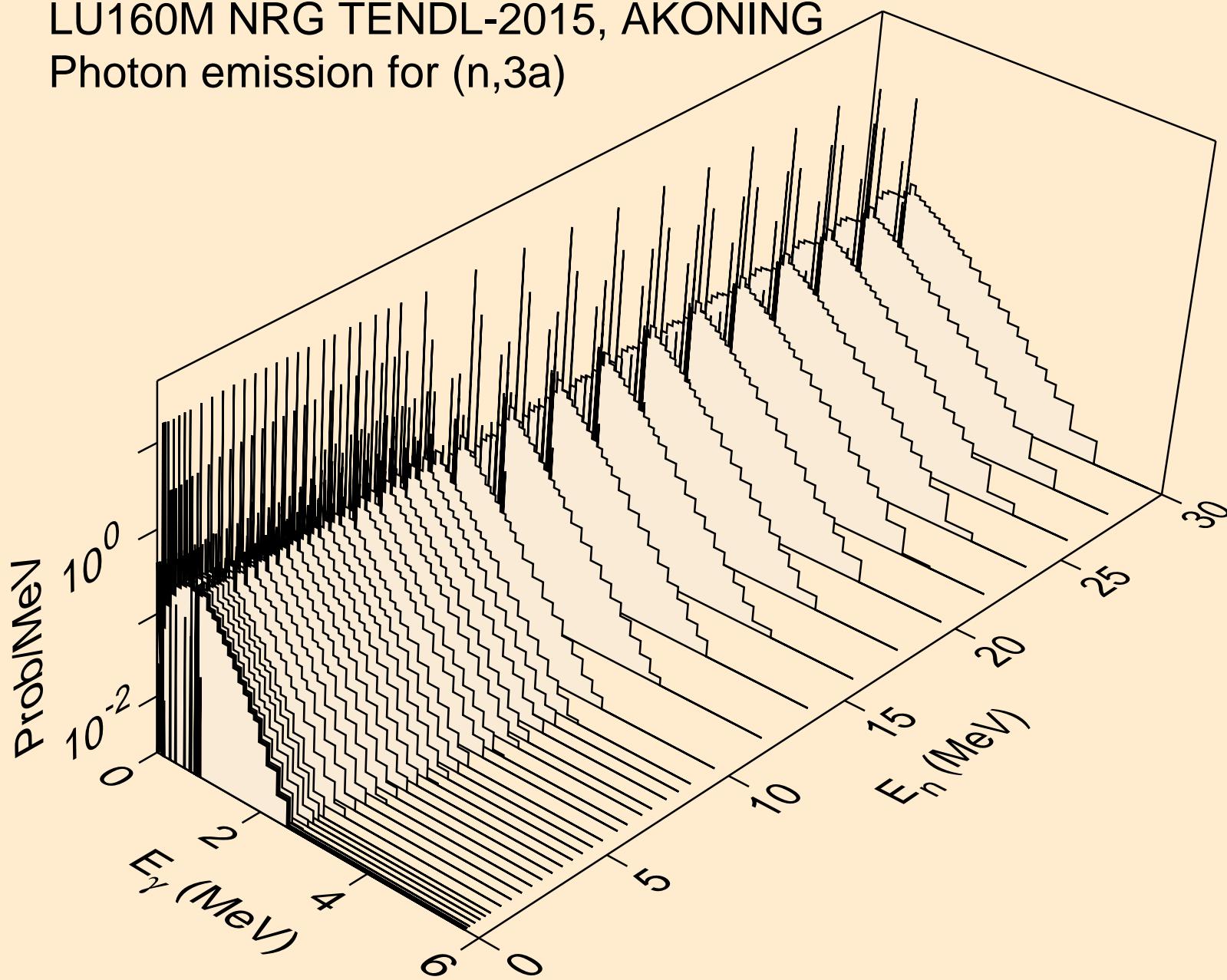
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,a)



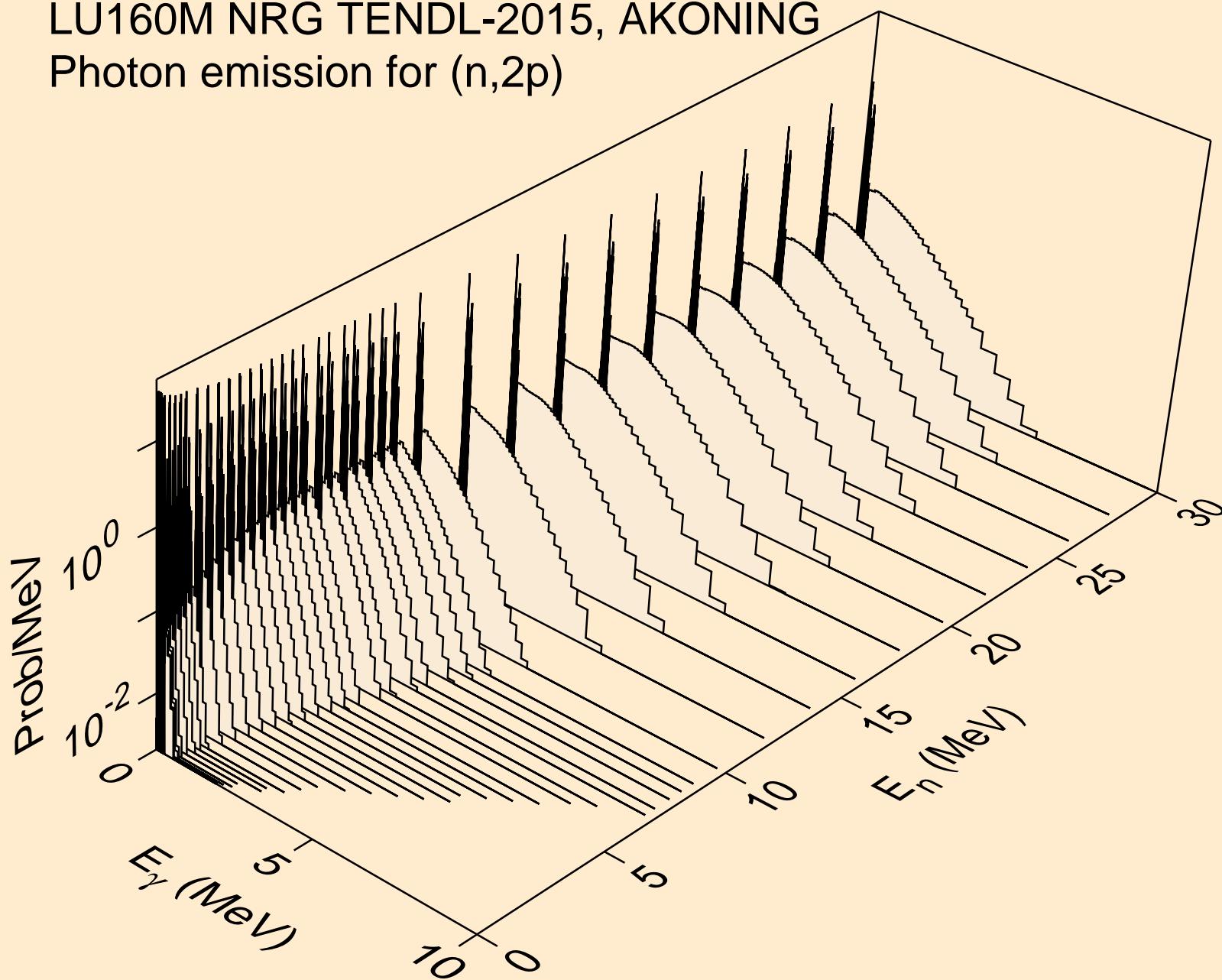
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



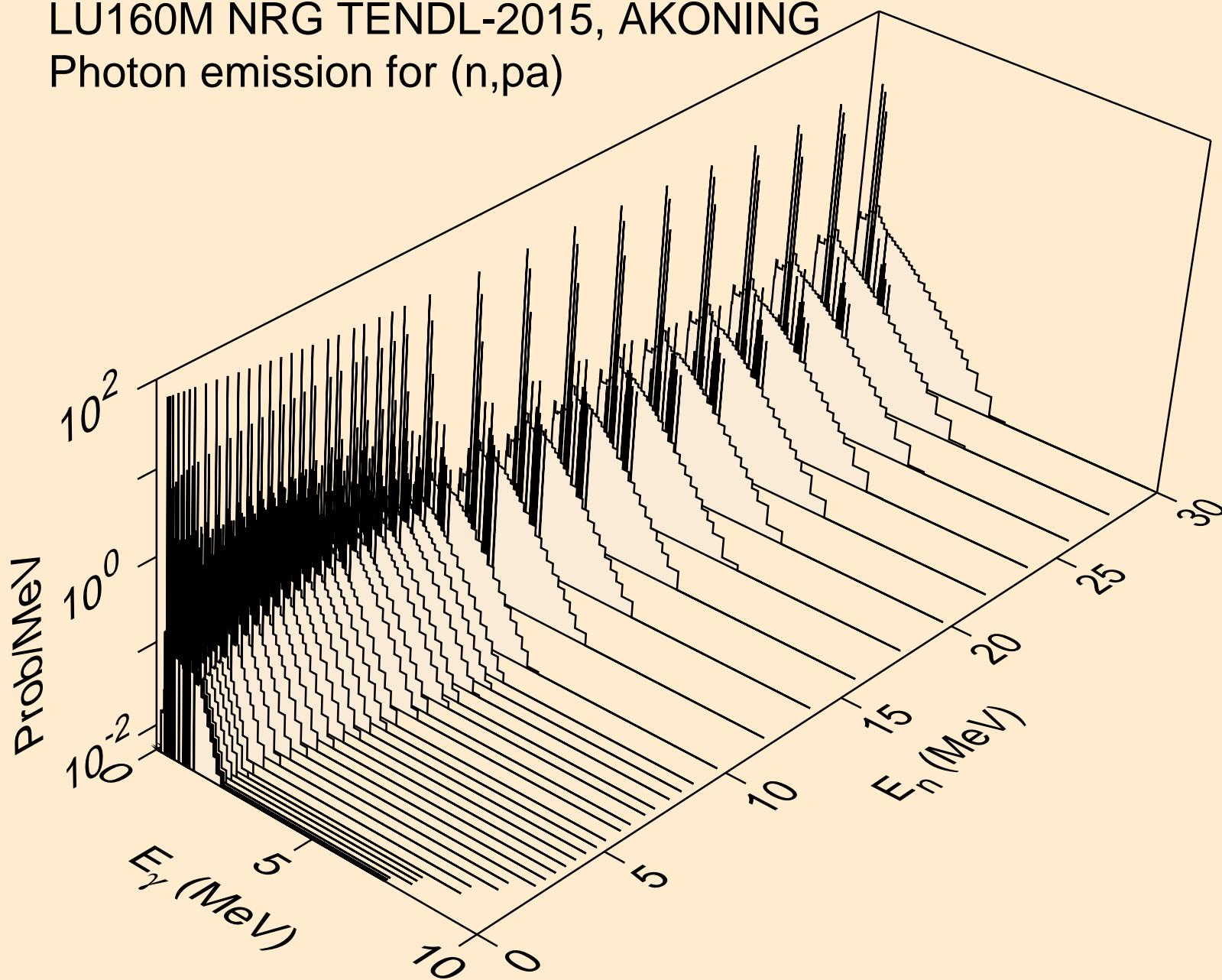
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



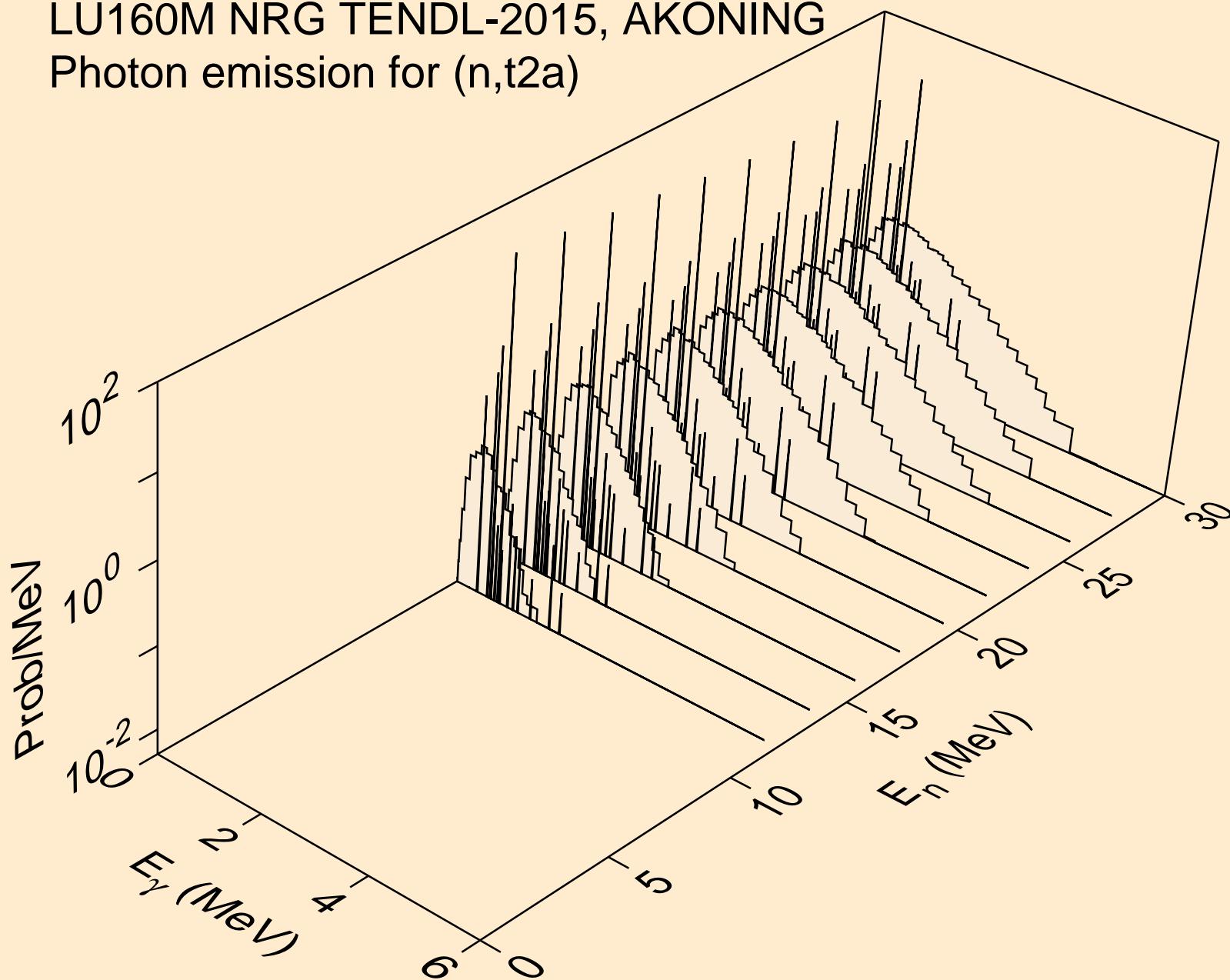
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



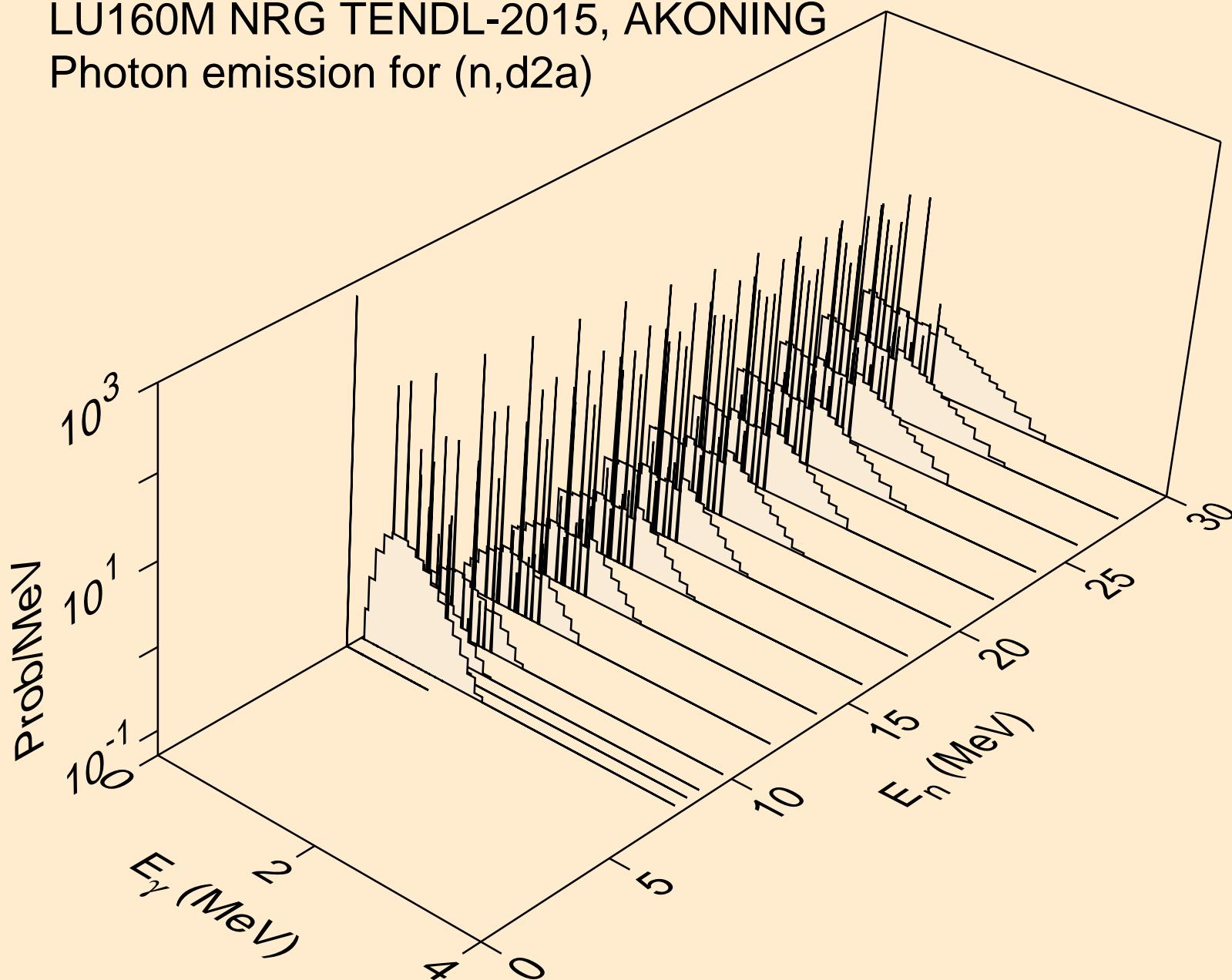
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



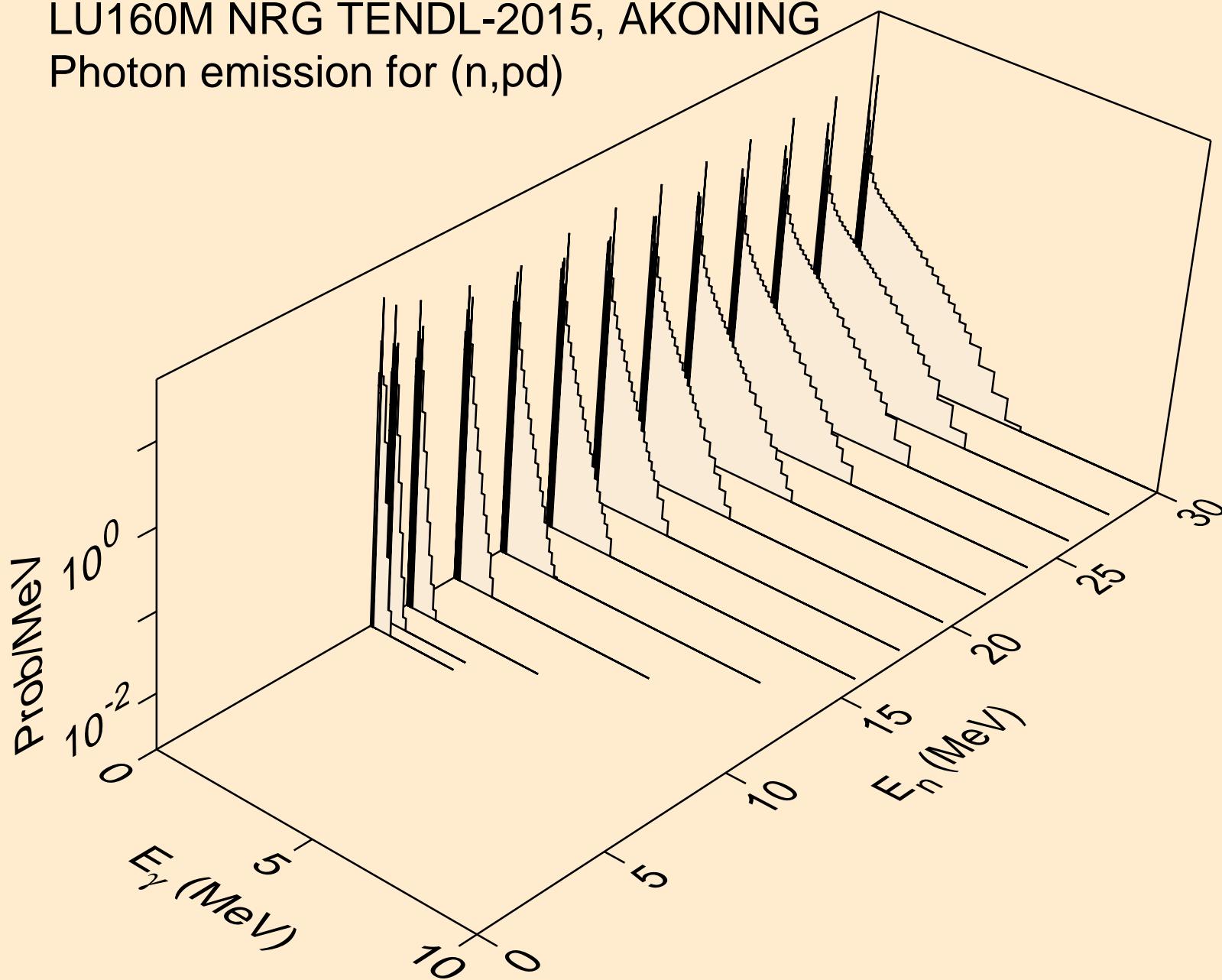
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



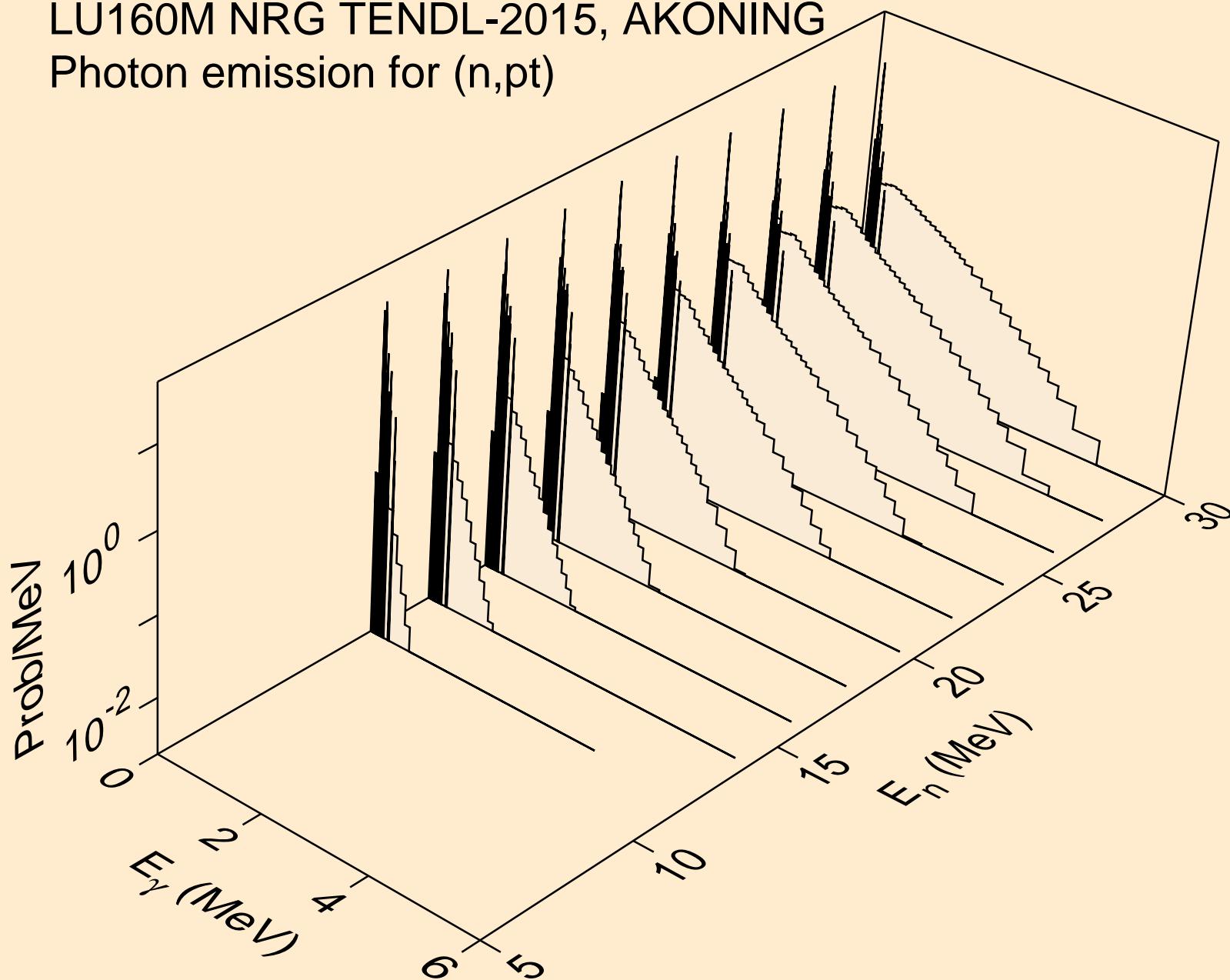
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



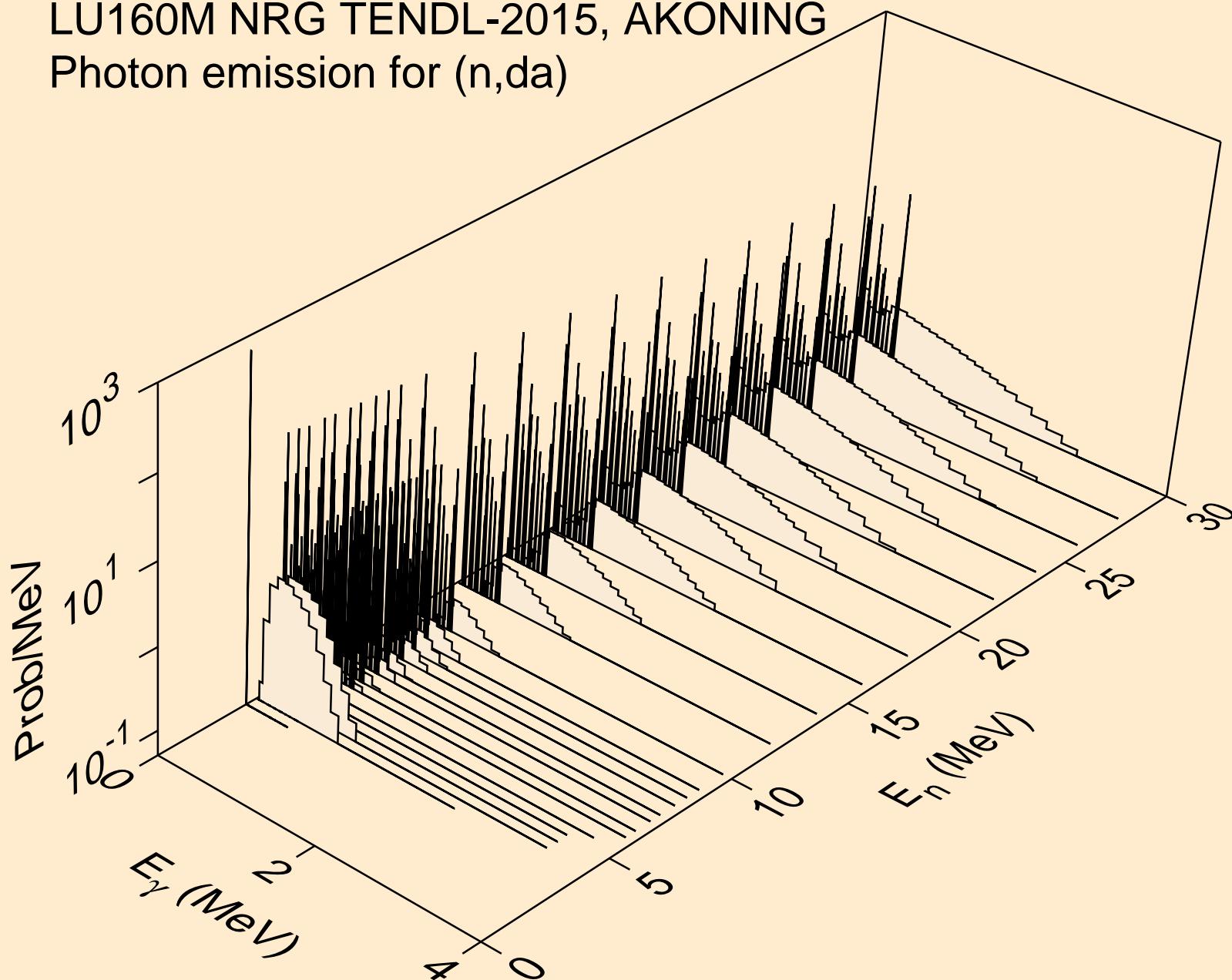
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



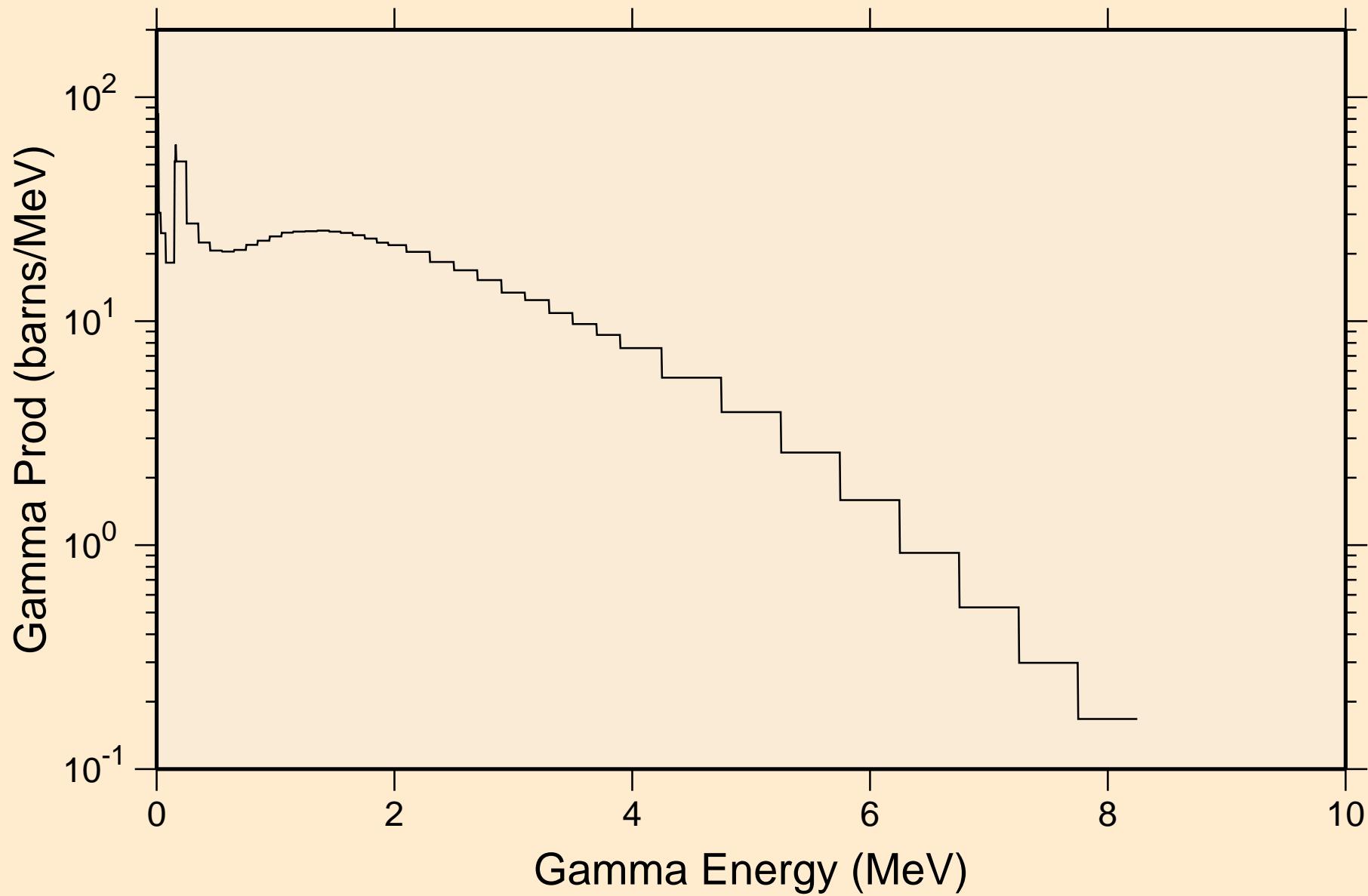
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



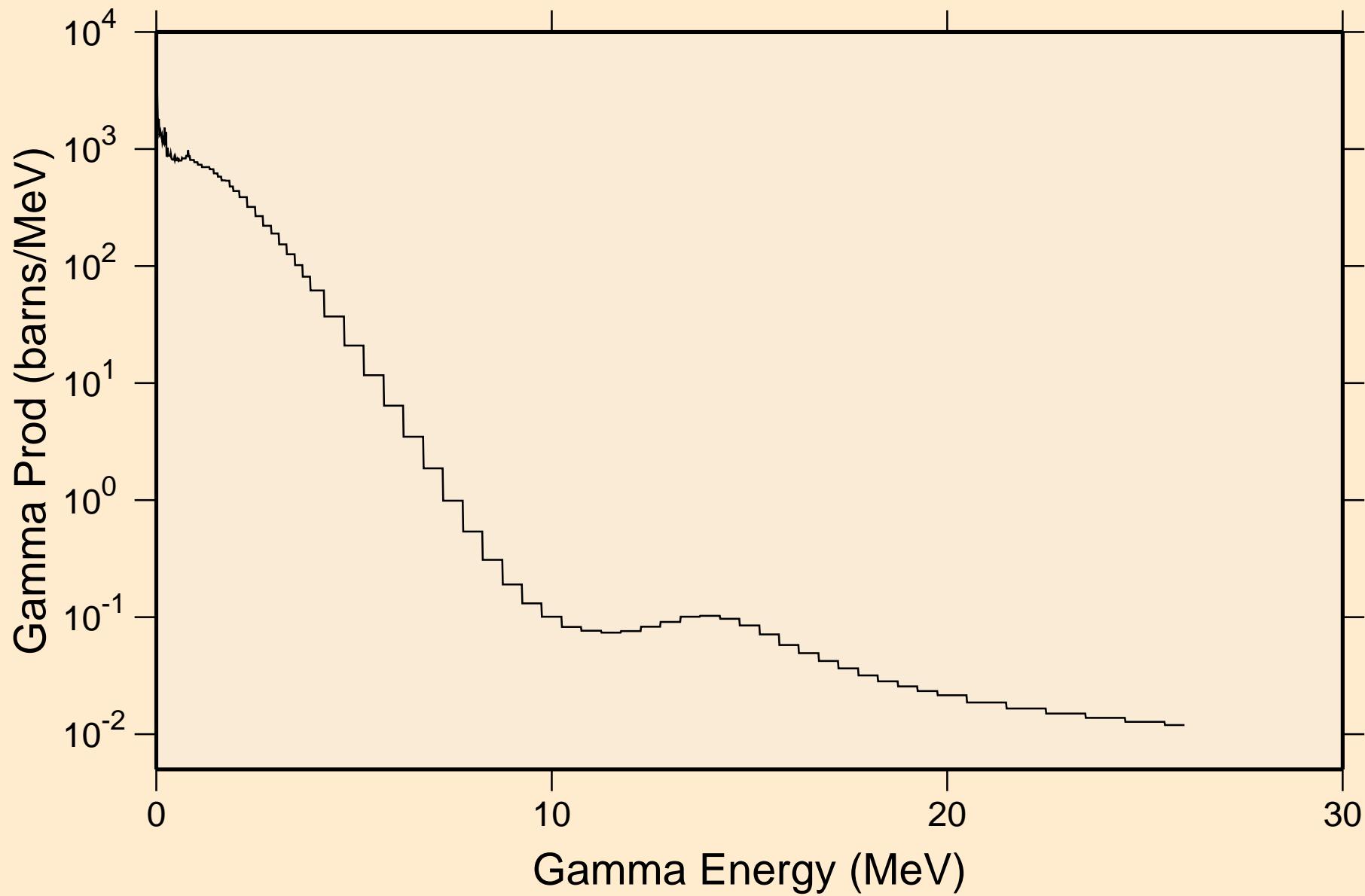
LU160M NRG TENDL-2015, AKONING  
Photon emission for (n,da)



LU160M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

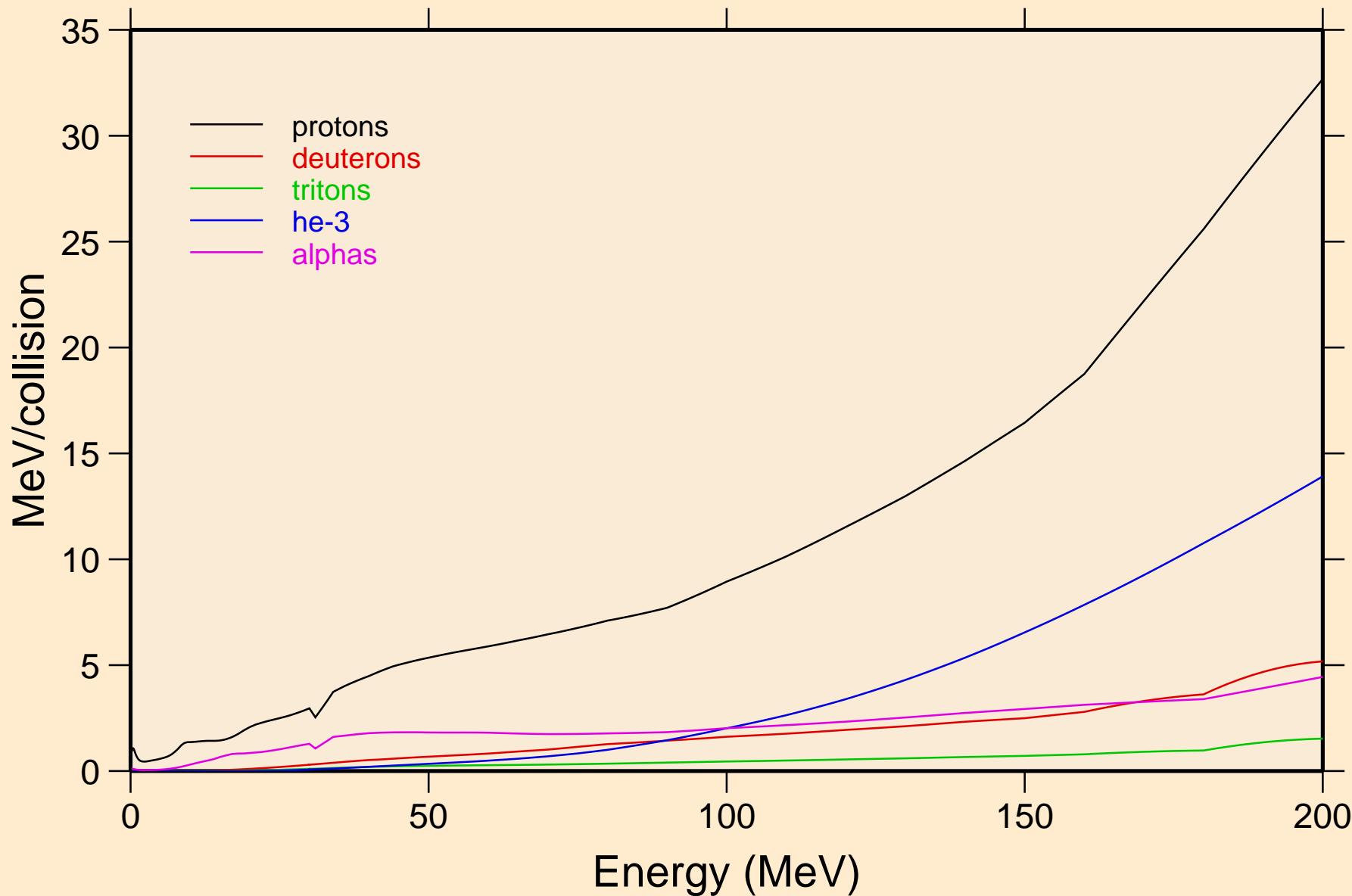


LU160M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



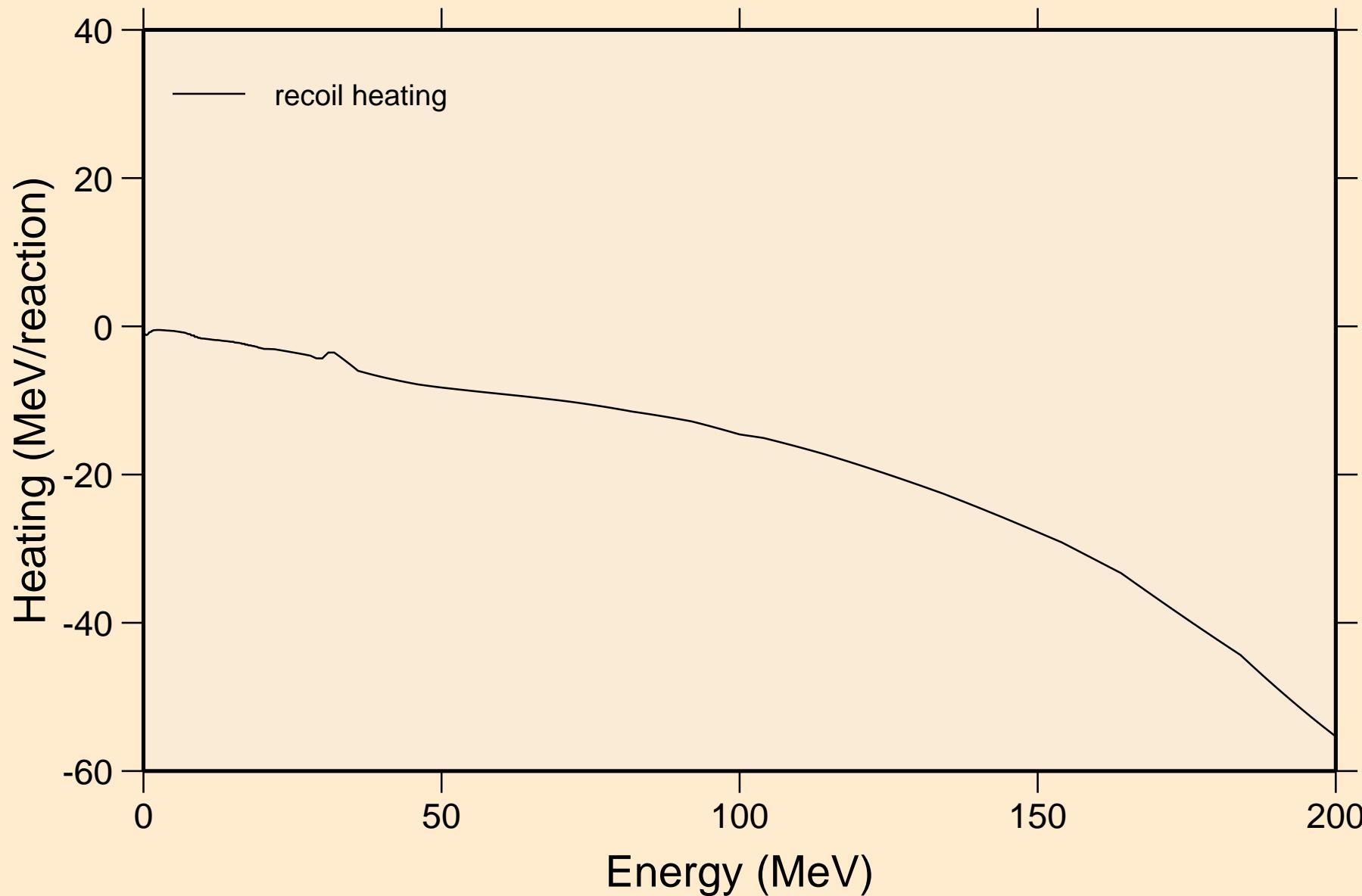
# LU160M NRG TENDL-2015, AKONING

## Particle heating contributions

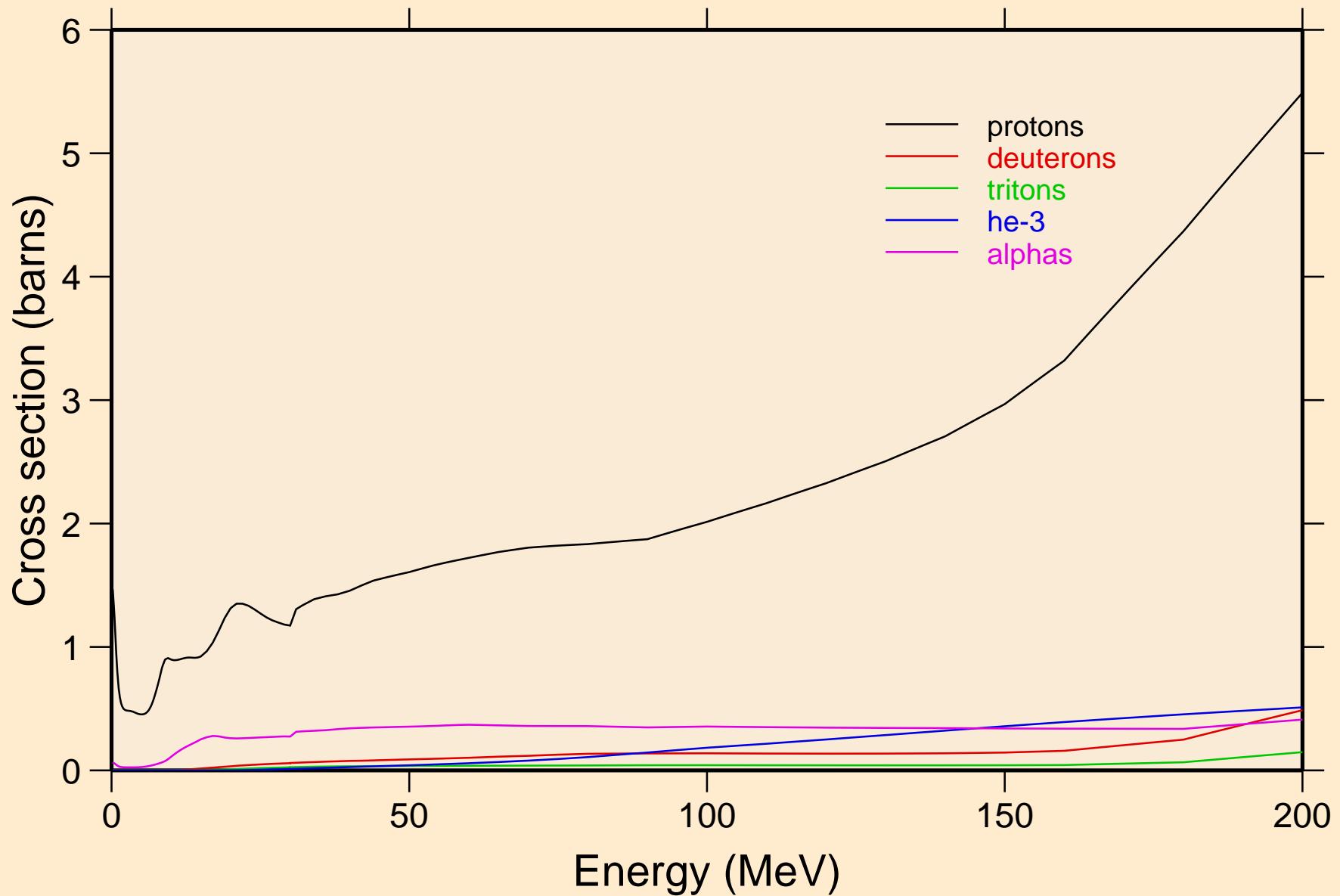


# LU160M NRG TENDL-2015, AKONING

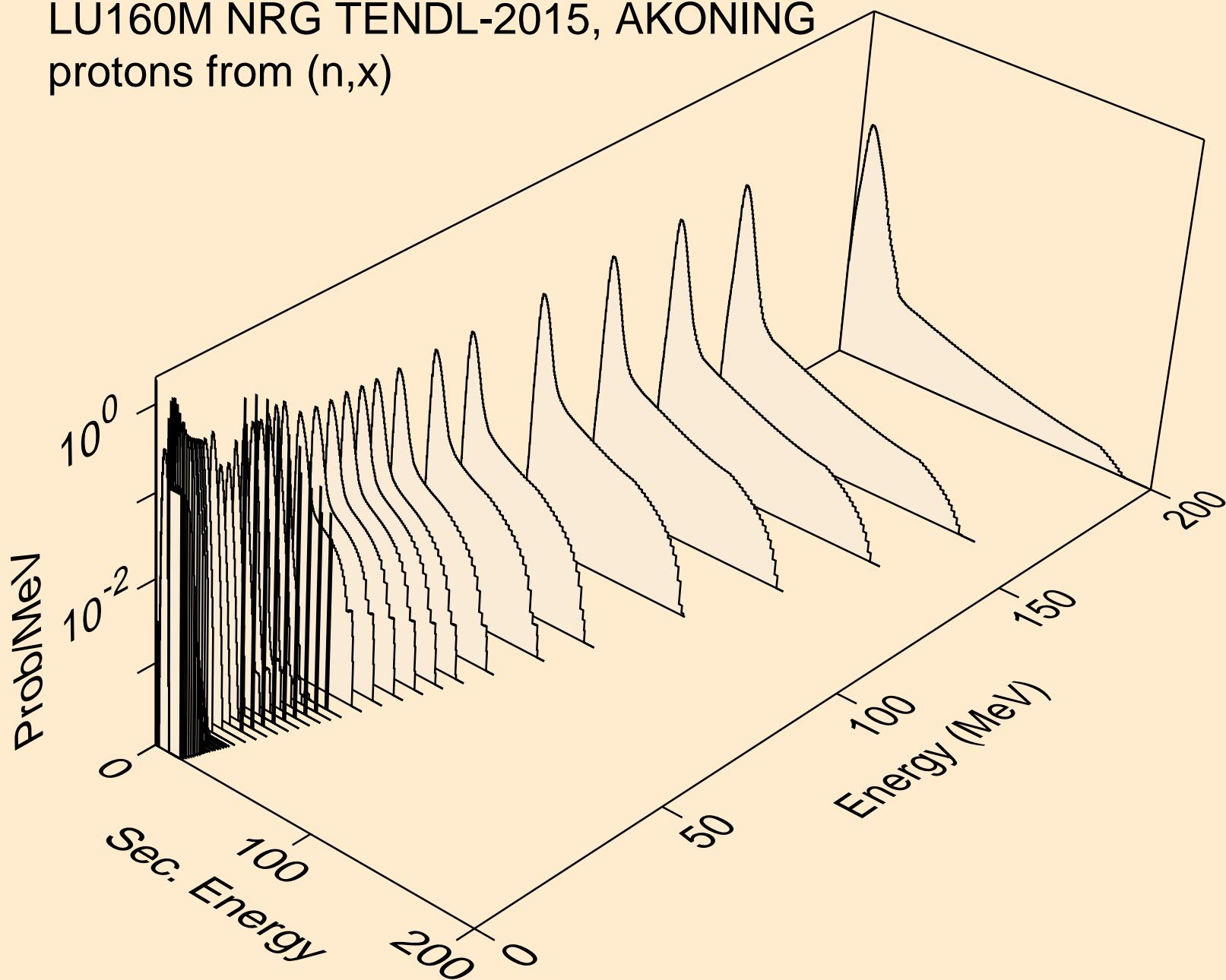
## Recoil Heating



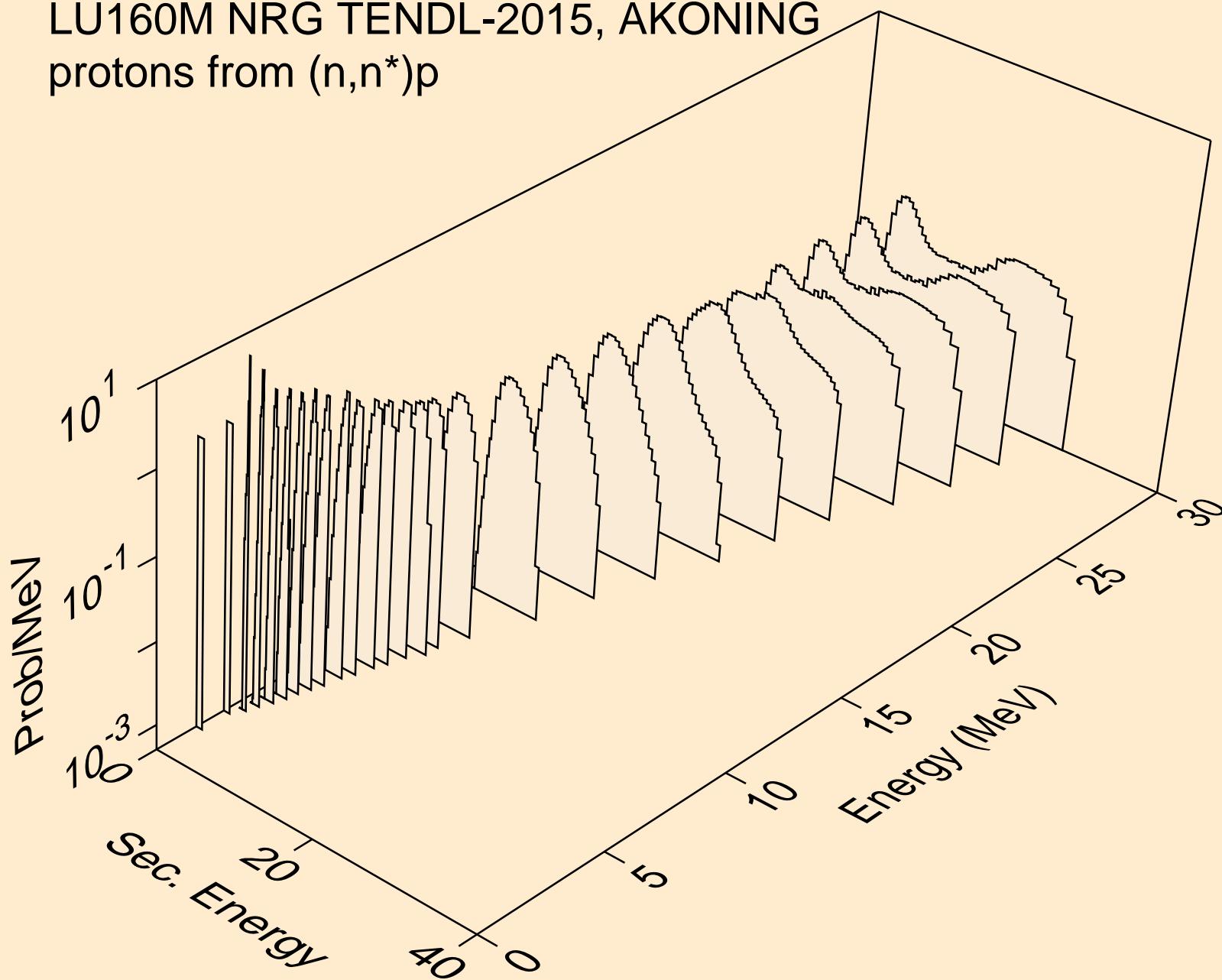
LU160M NRG TENDL-2015, AKONING  
Particle production cross sections



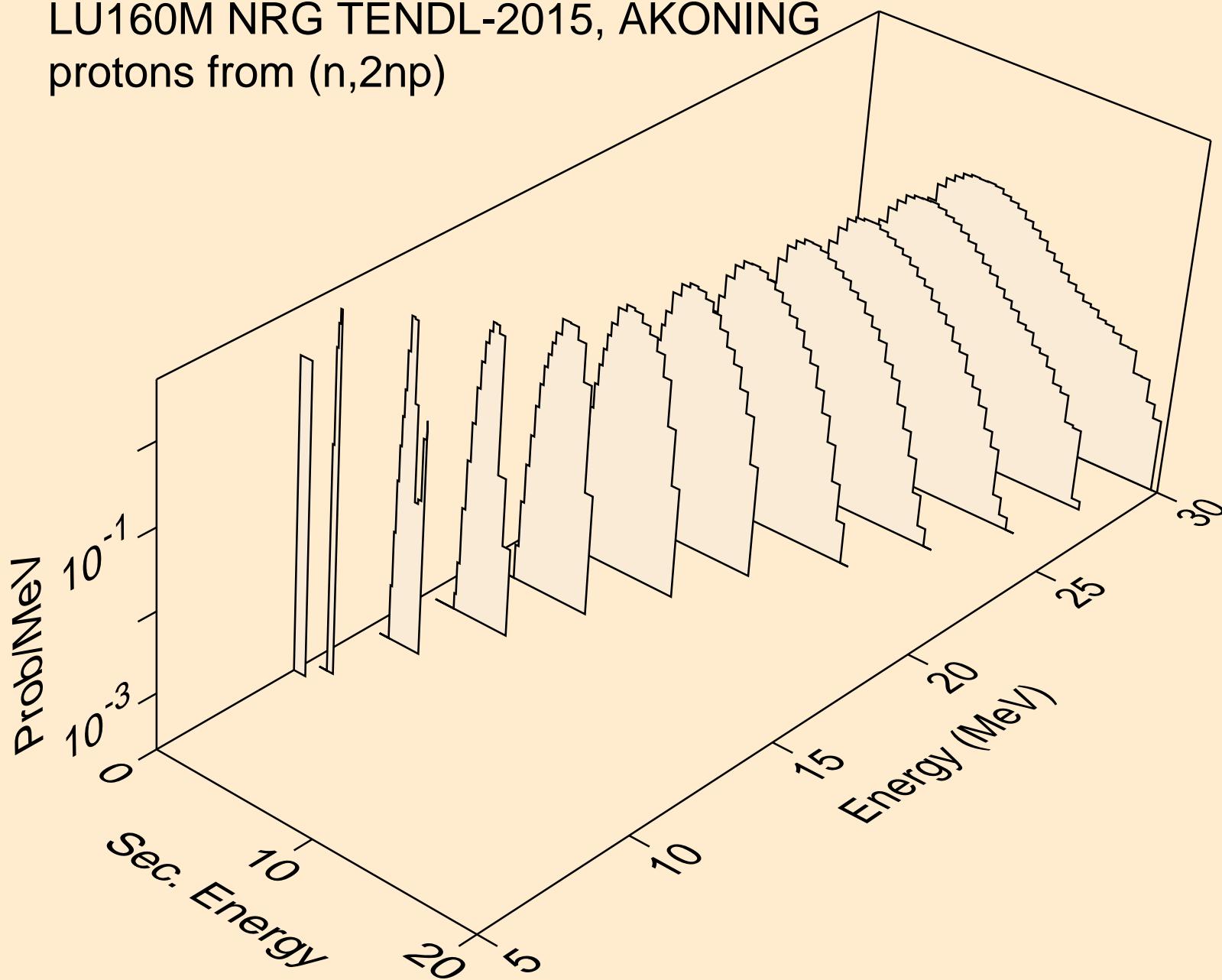
LU160M NRG TENDL-2015, AKONING  
protons from ( $n,x$ )



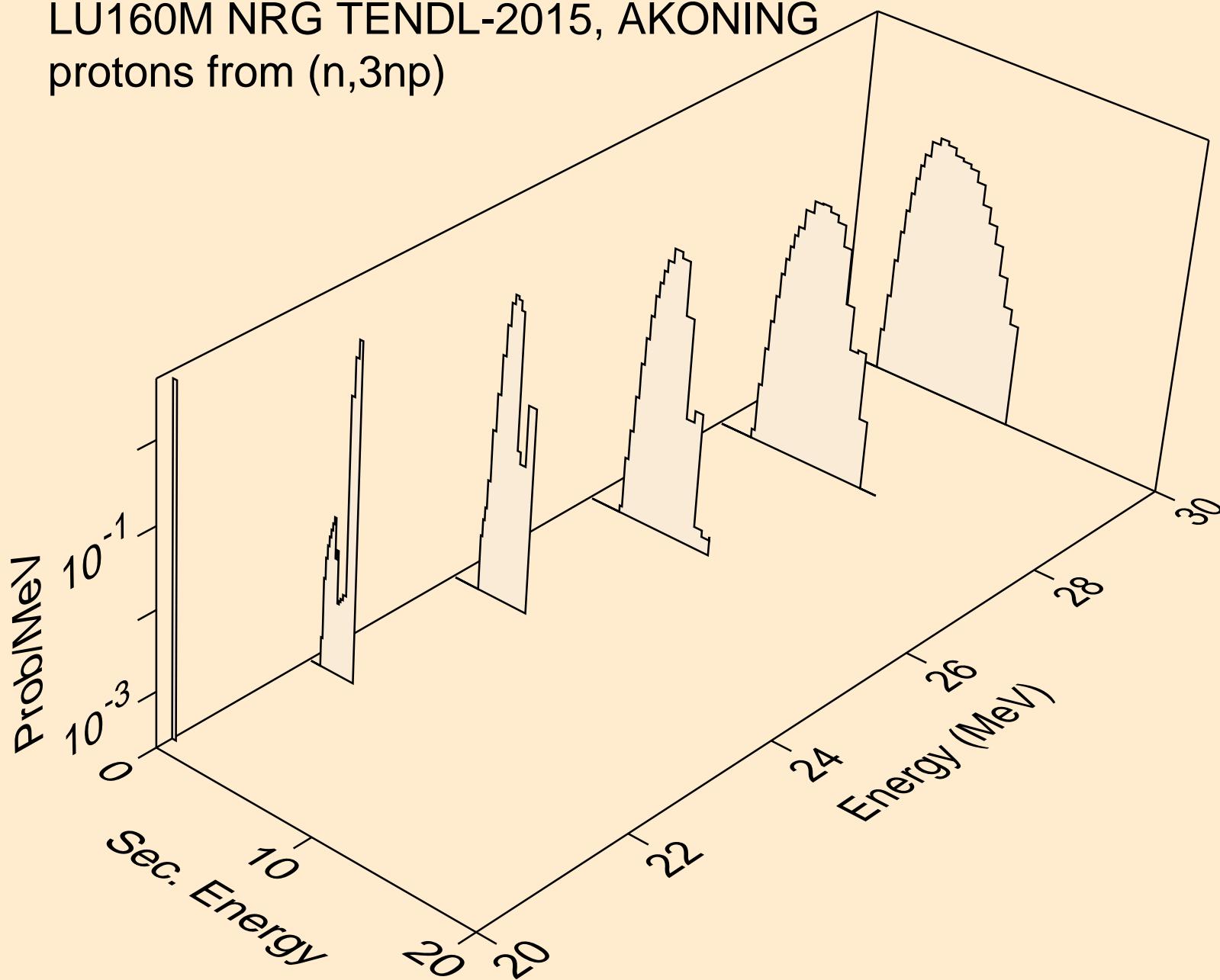
LU160M NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



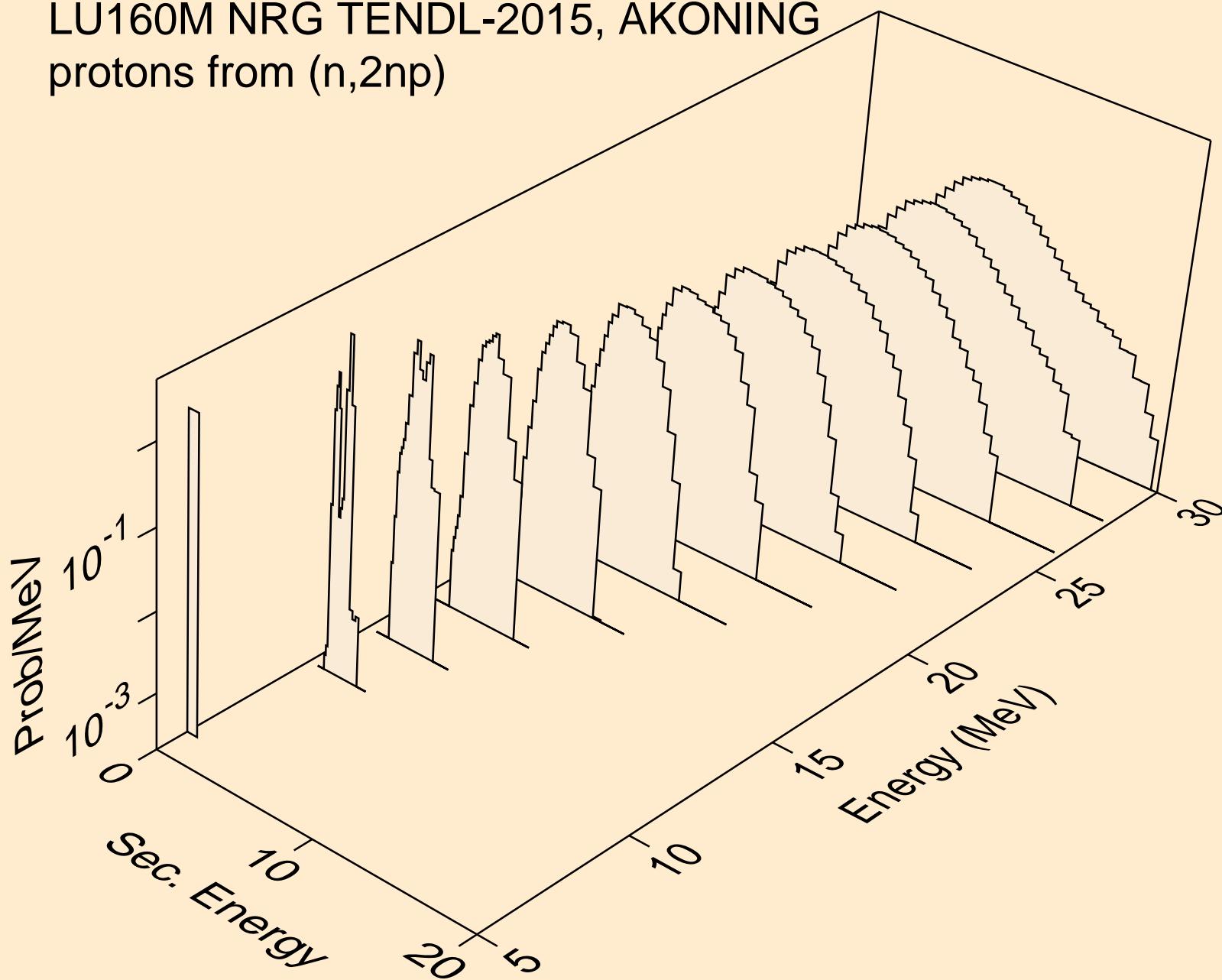
LU160M NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



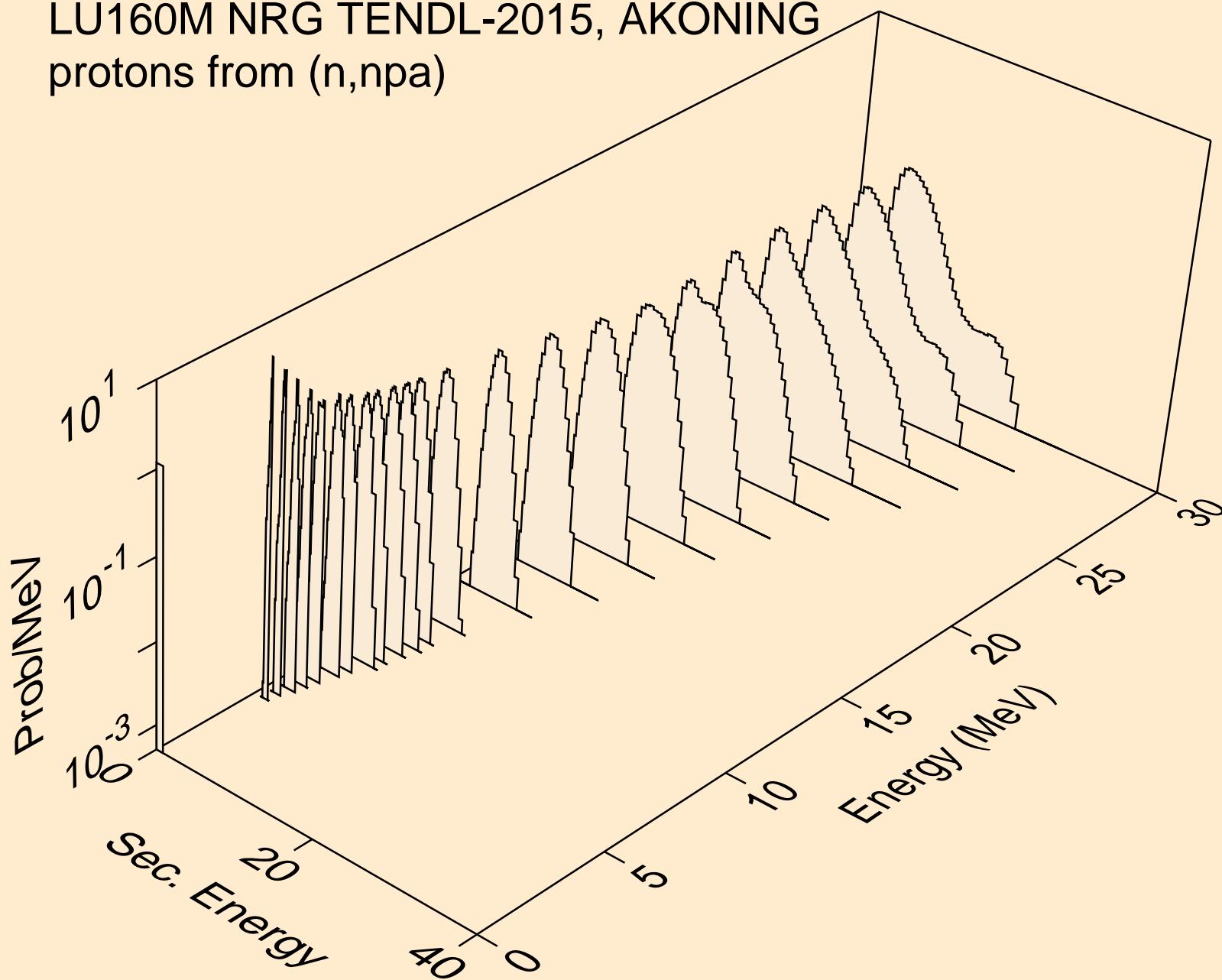
LU160M NRG TENDL-2015, AKONING  
protons from ( $n,3np$ )



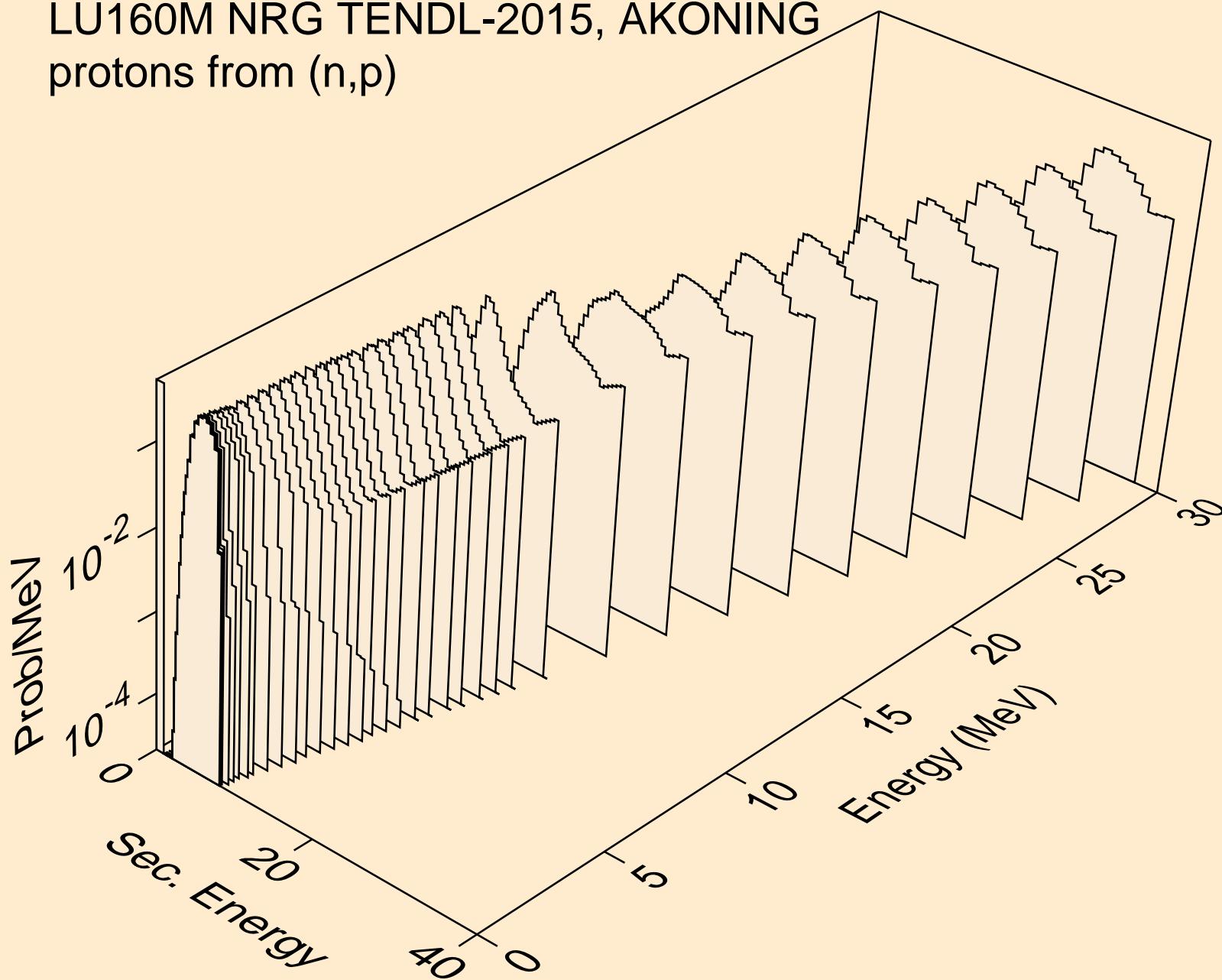
LU160M NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



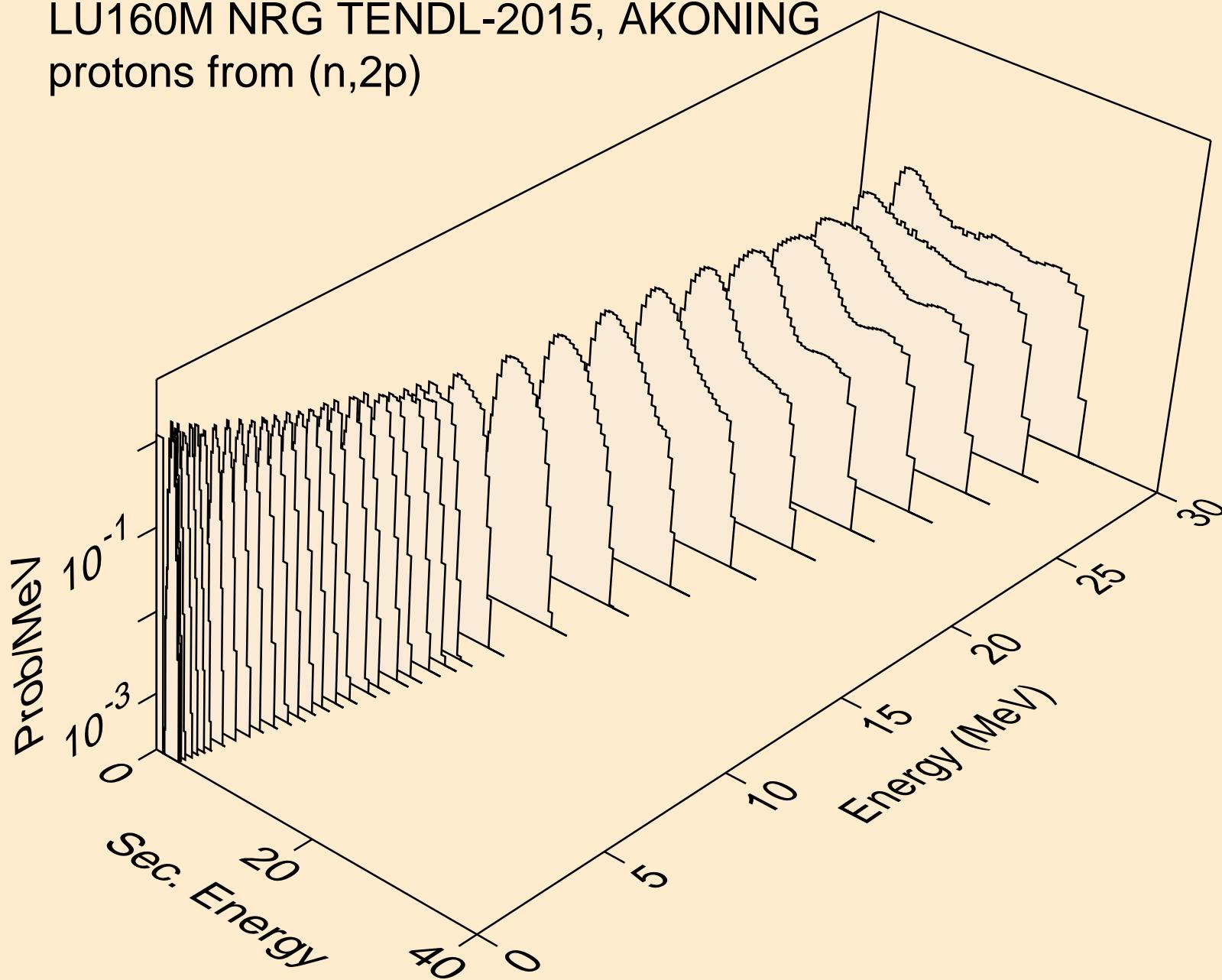
LU160M NRG TENDL-2015, AKONING  
protons from (n,npa)



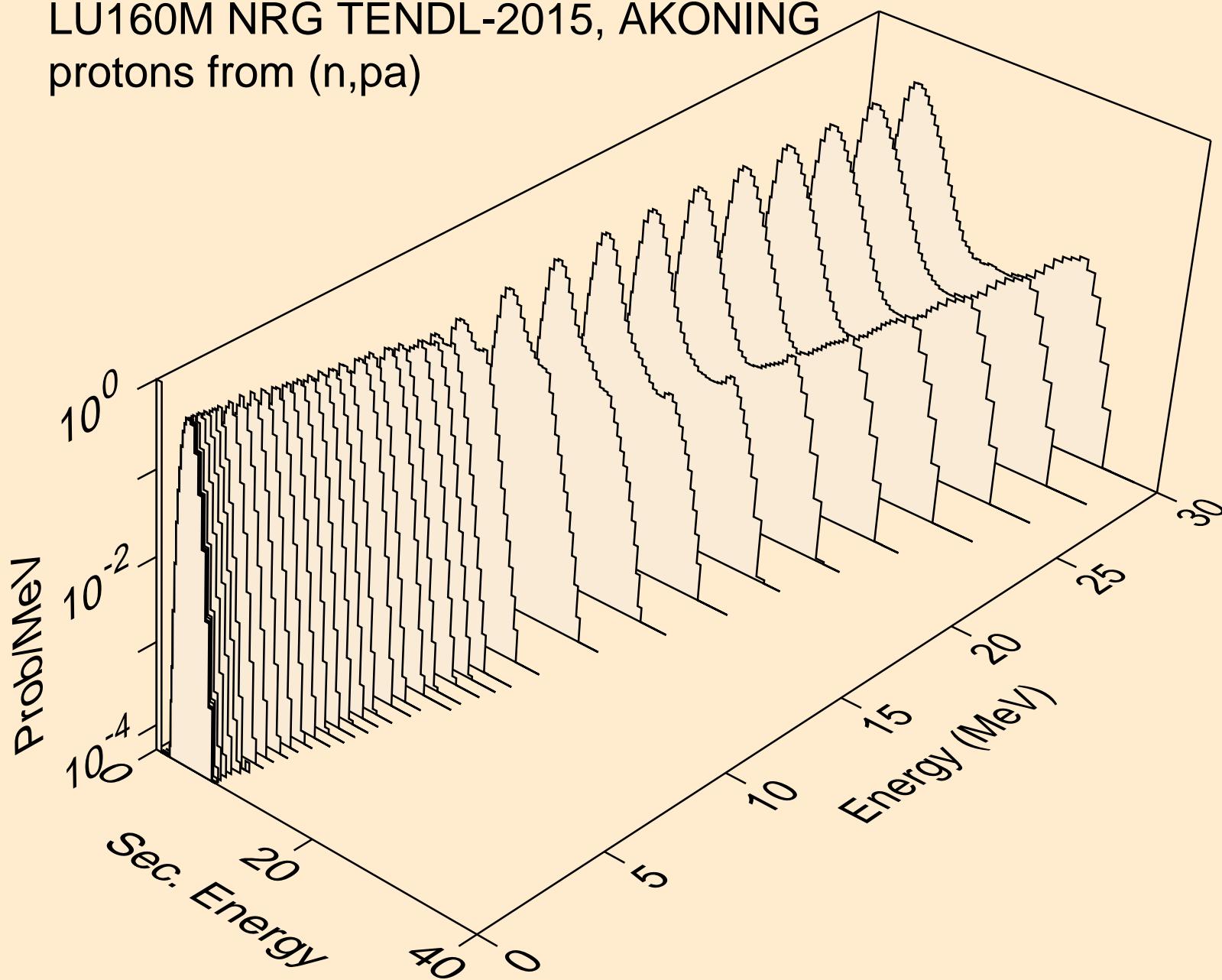
LU160M NRG TENDL-2015, AKONING  
protons from (n,p)



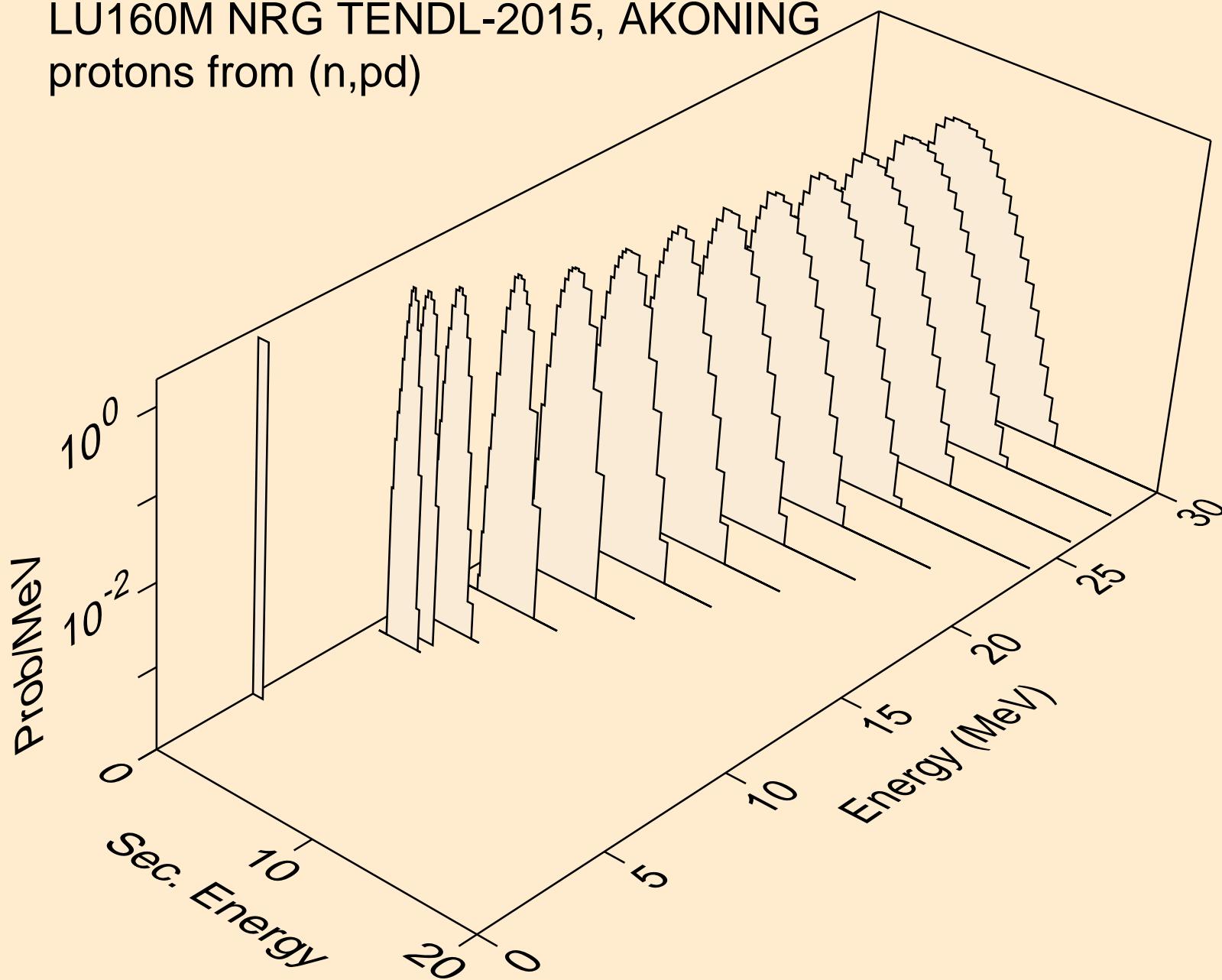
LU160M NRG TENDL-2015, AKONING  
protons from ( $n,2p$ )



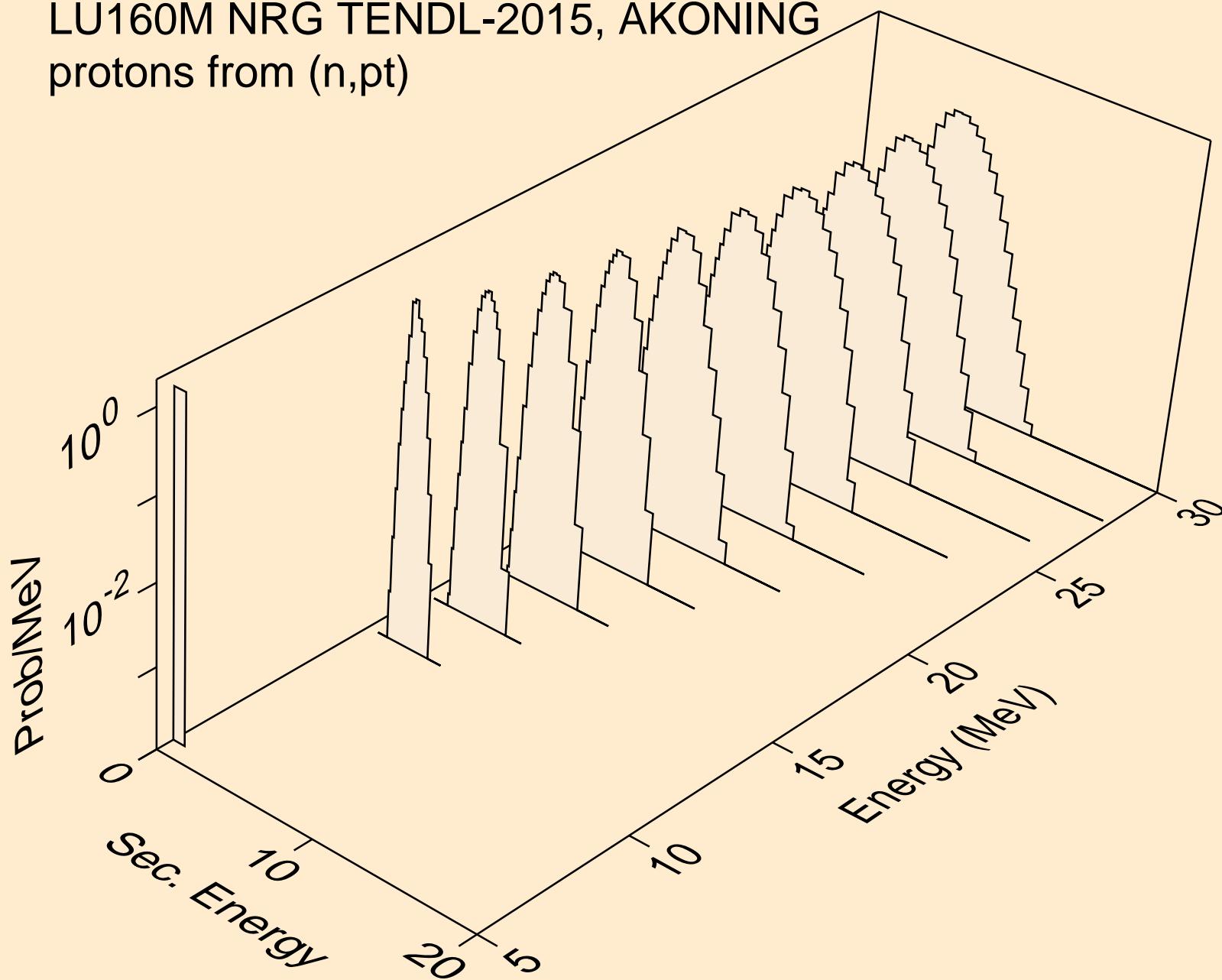
LU160M NRG TENDL-2015, AKONING  
protons from (n,pa)



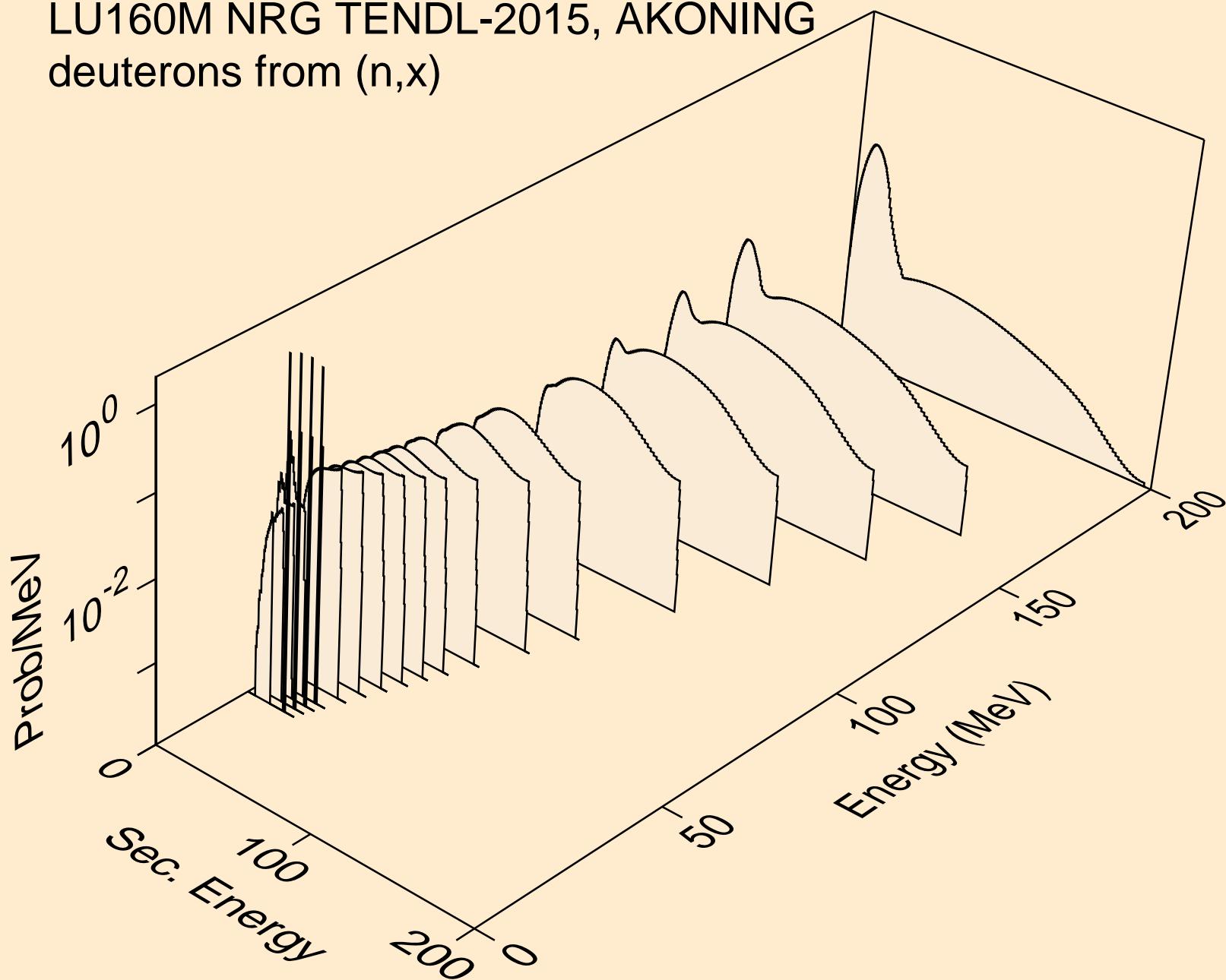
LU160M NRG TENDL-2015, AKONING  
protons from (n,pd)



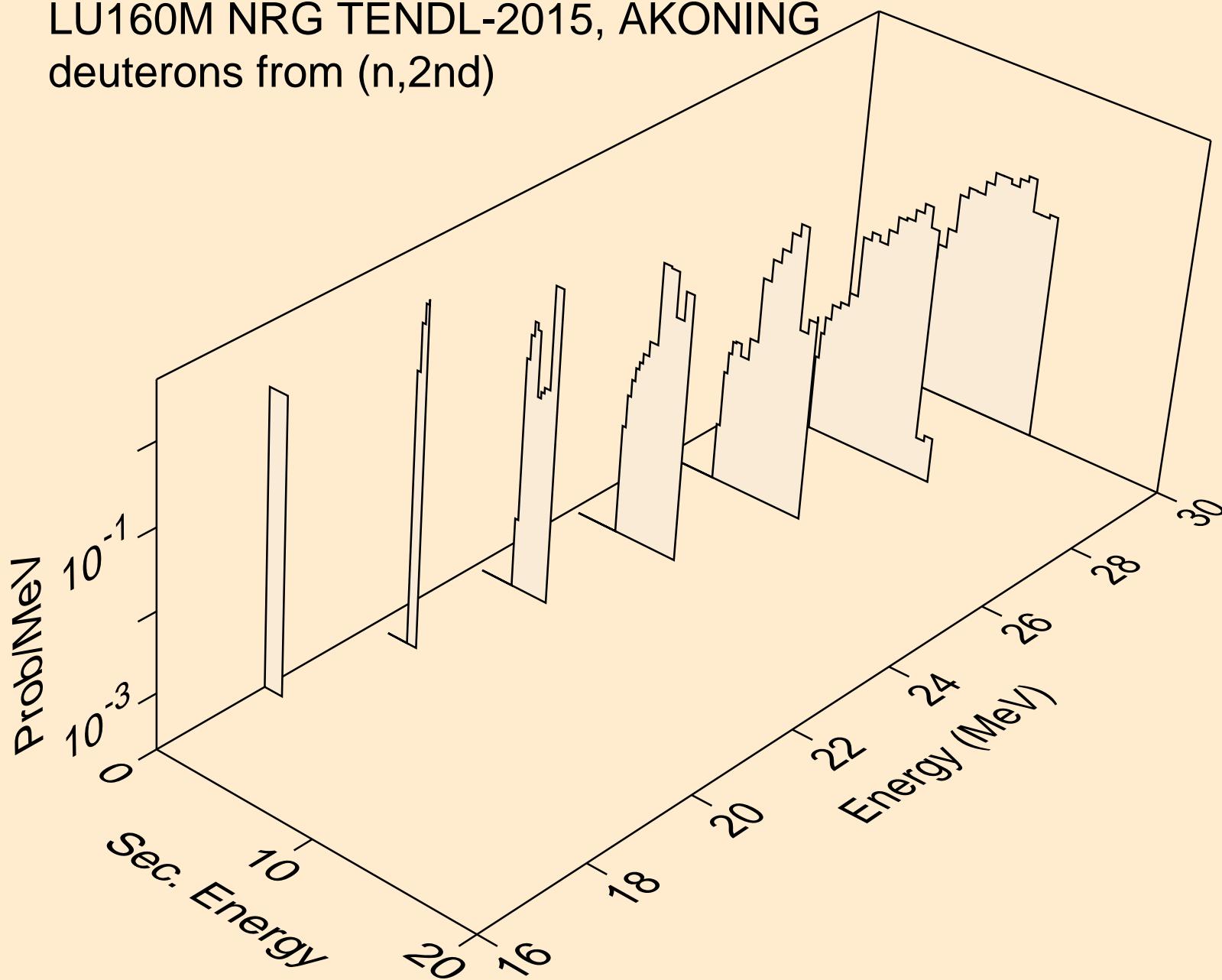
LU160M NRG TENDL-2015, AKONING  
protons from (n,pt)



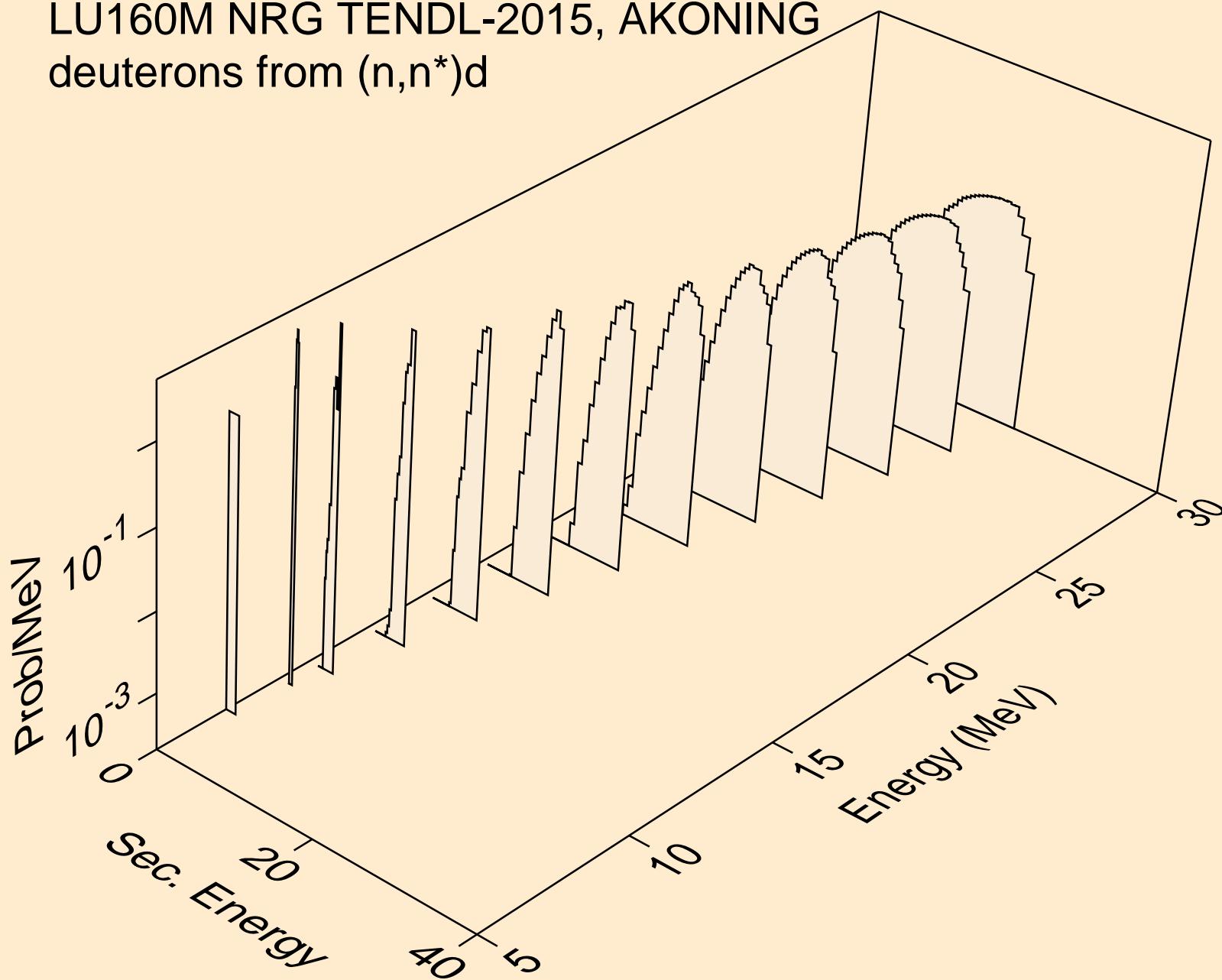
LU160M NRG TENDL-2015, AKONING  
deuterons from ( $n, x$ )



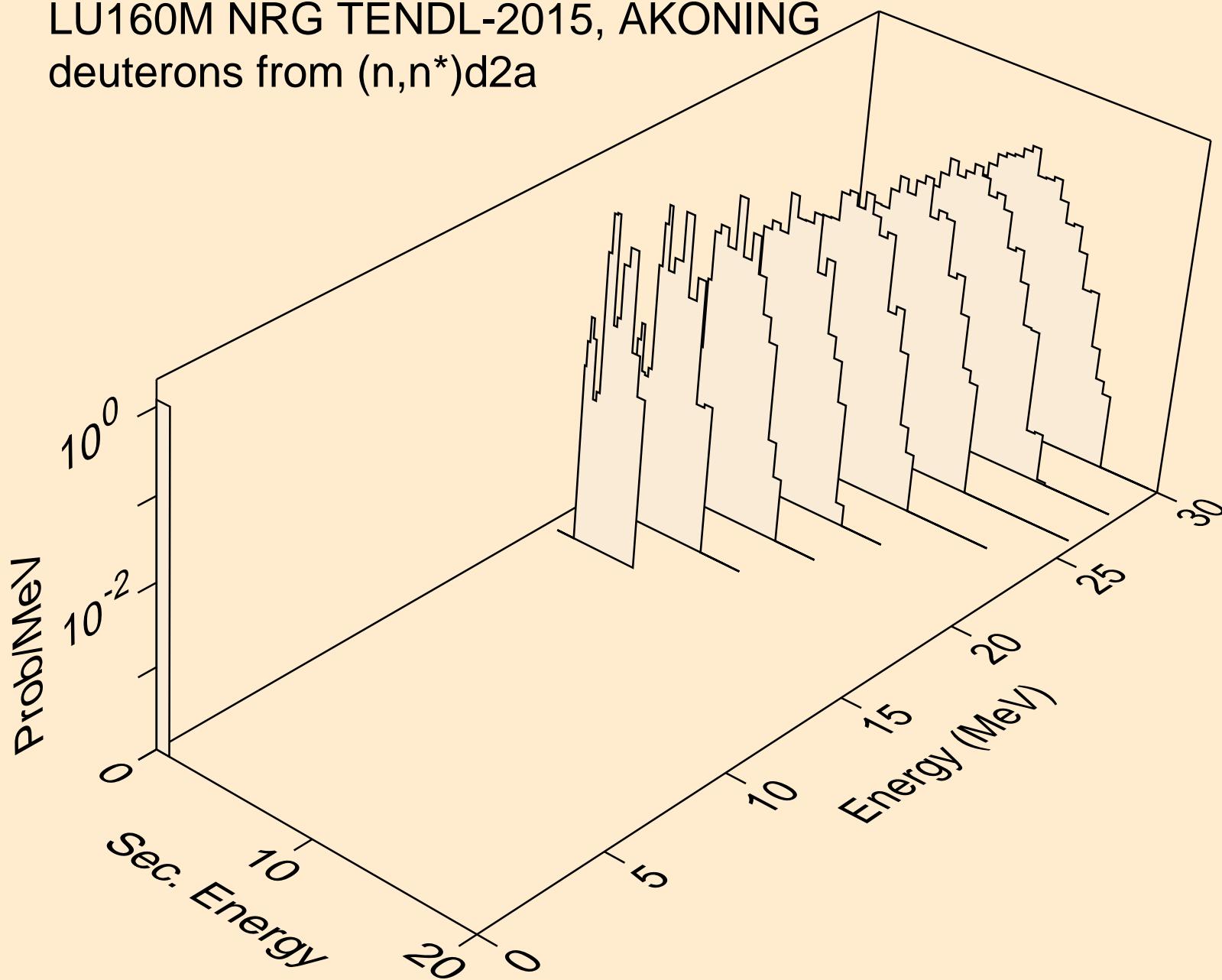
LU160M NRG TENDL-2015, AKONING  
deuterons from ( $n,2nd$ )



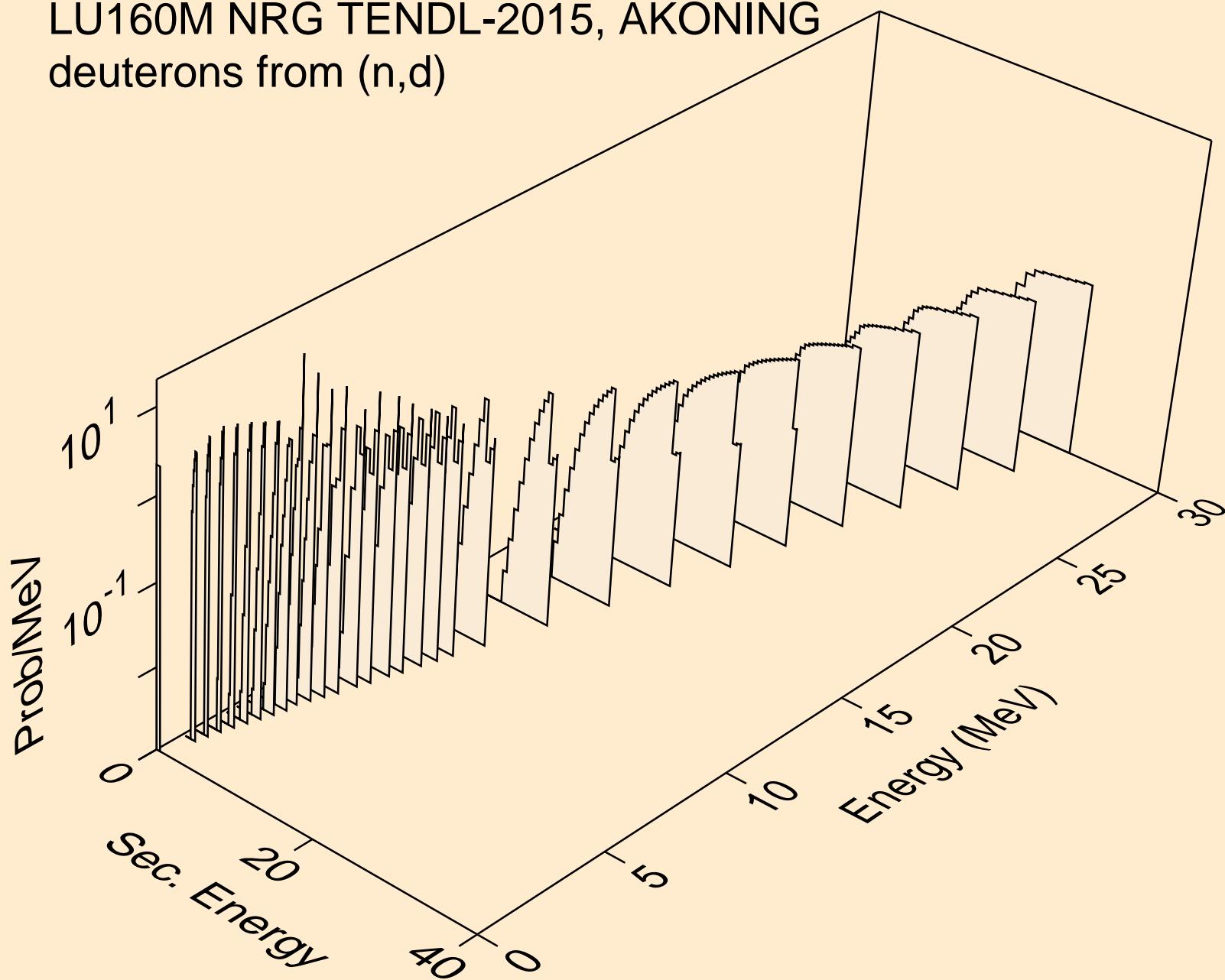
LU160M NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d$



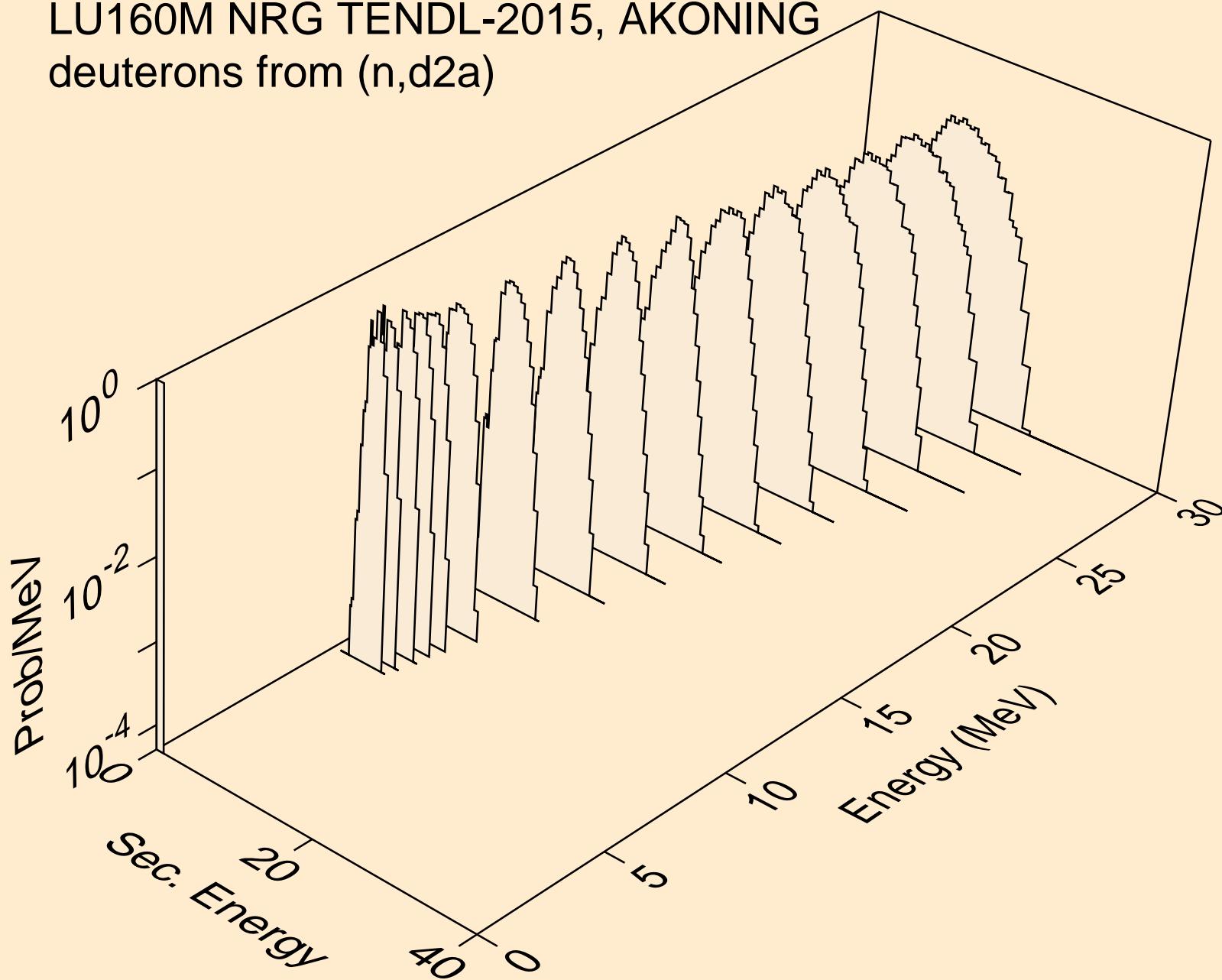
LU160M NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d2a$



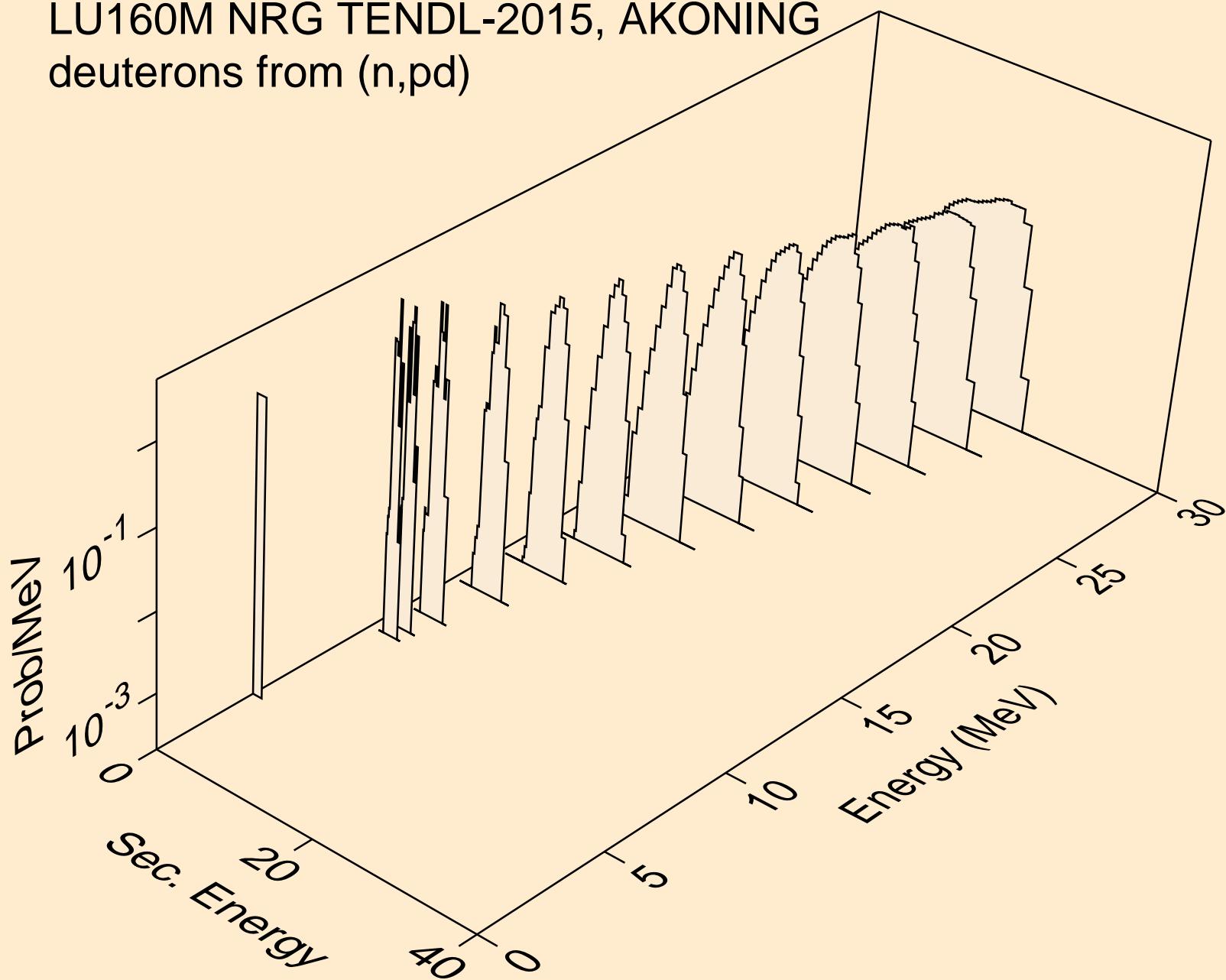
LU160M NRG TENDL-2015, AKONING  
deuterons from ( $n, d$ )



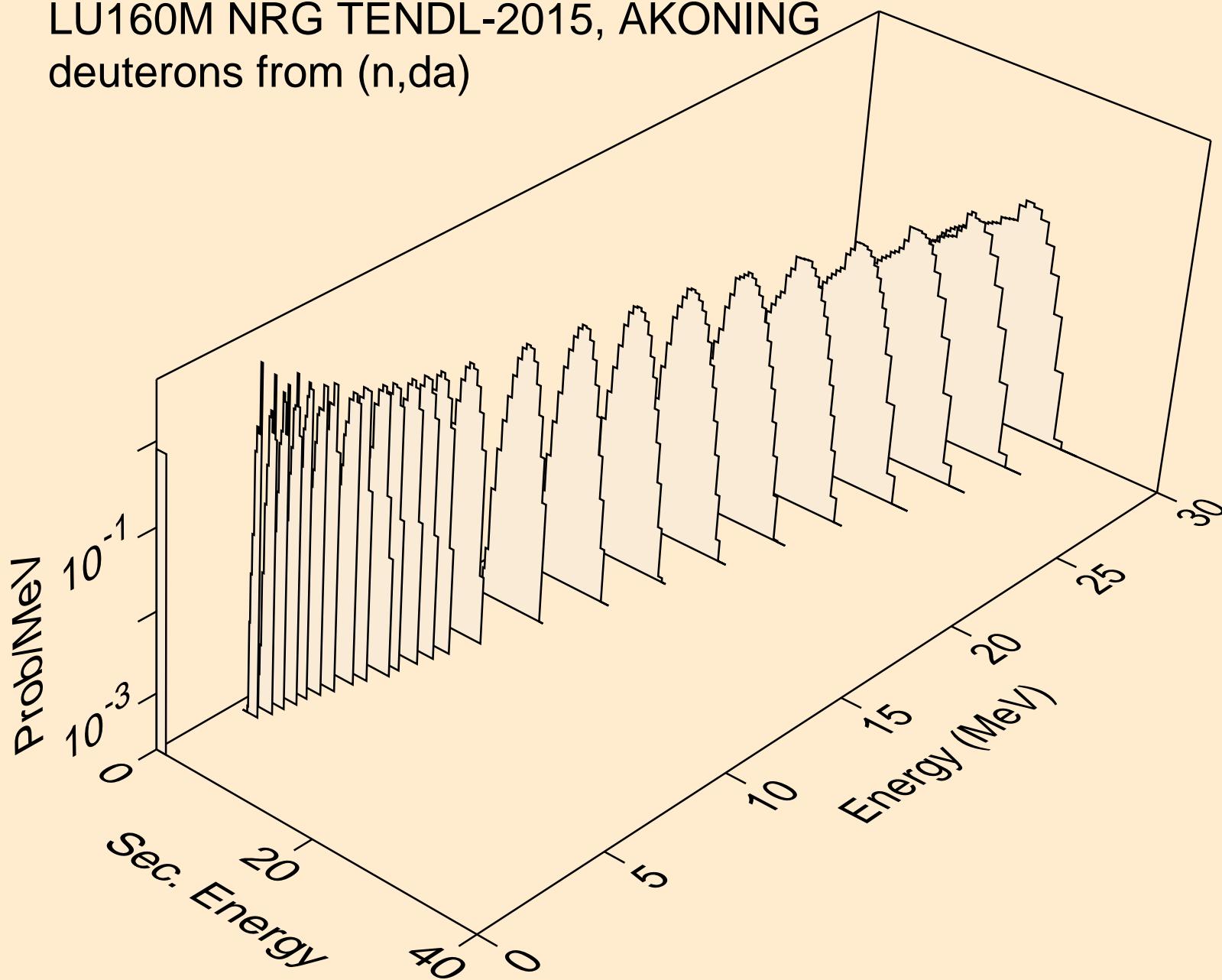
LU160M NRG TENDL-2015, AKONING  
deuterons from ( $n, d_2a$ )



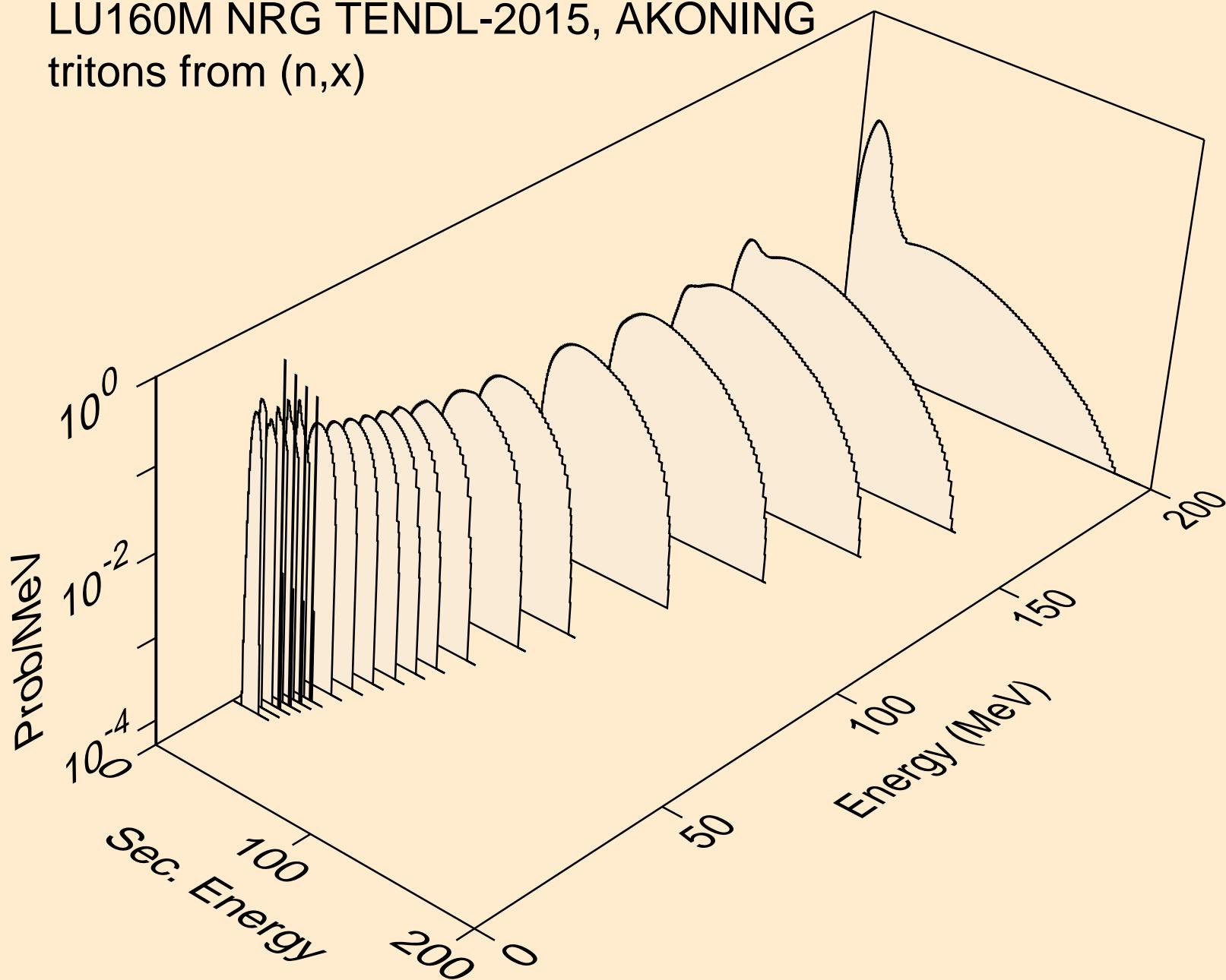
LU160M NRG TENDL-2015, AKONING  
deuterons from (n,pd)



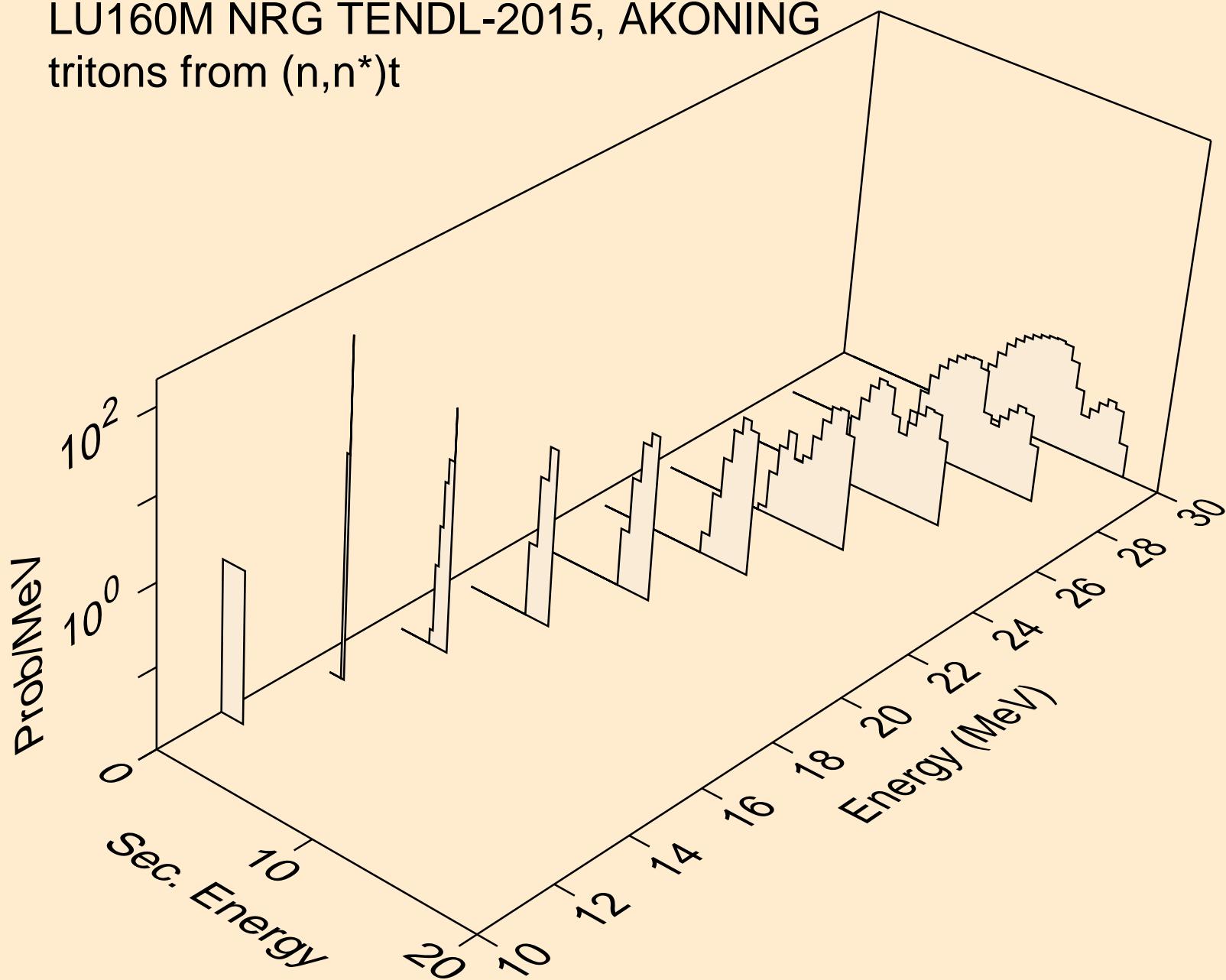
LU160M NRG TENDL-2015, AKONING  
deuterons from (n,da)



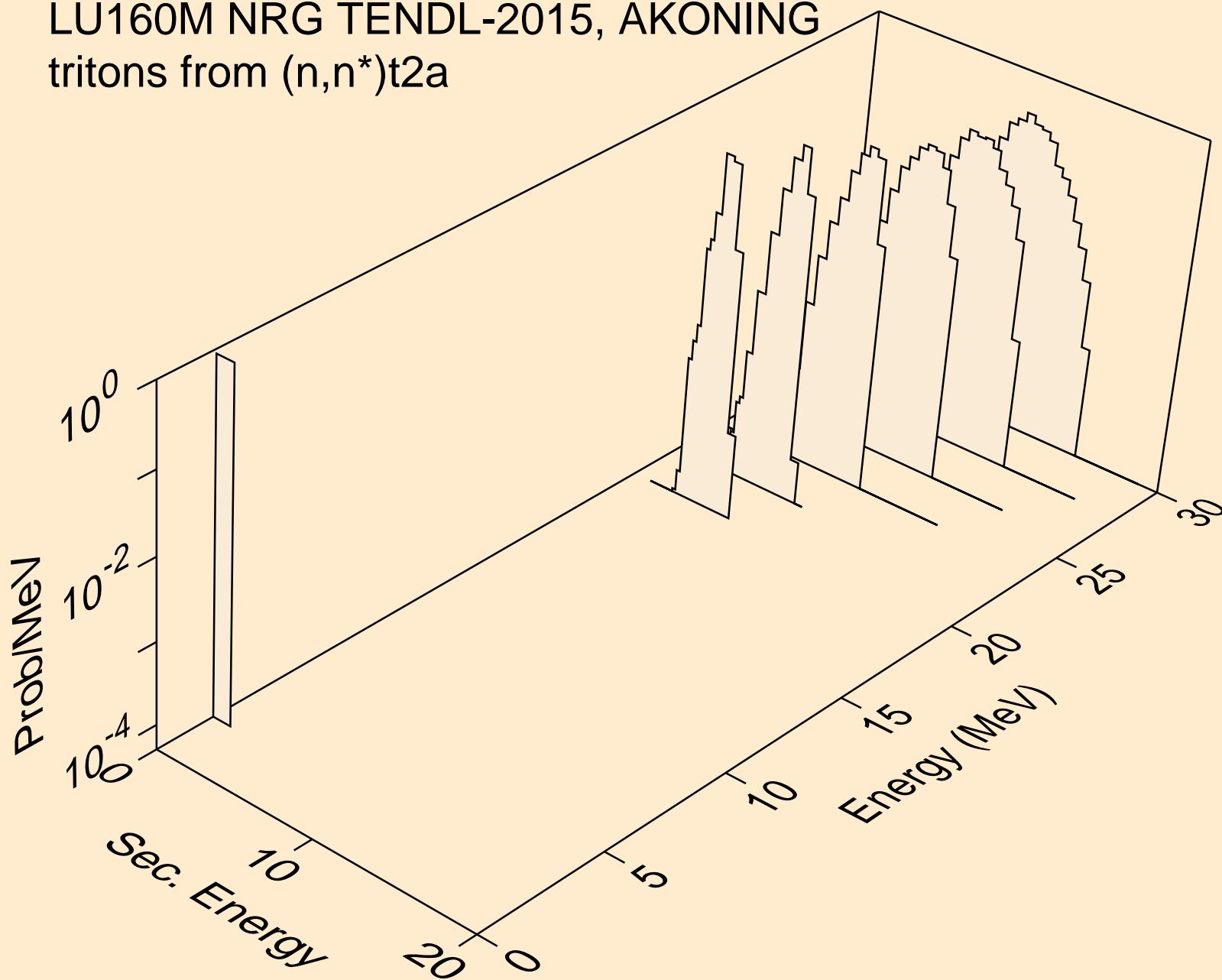
LU160M NRG TENDL-2015, AKONING  
tritons from (n,x)



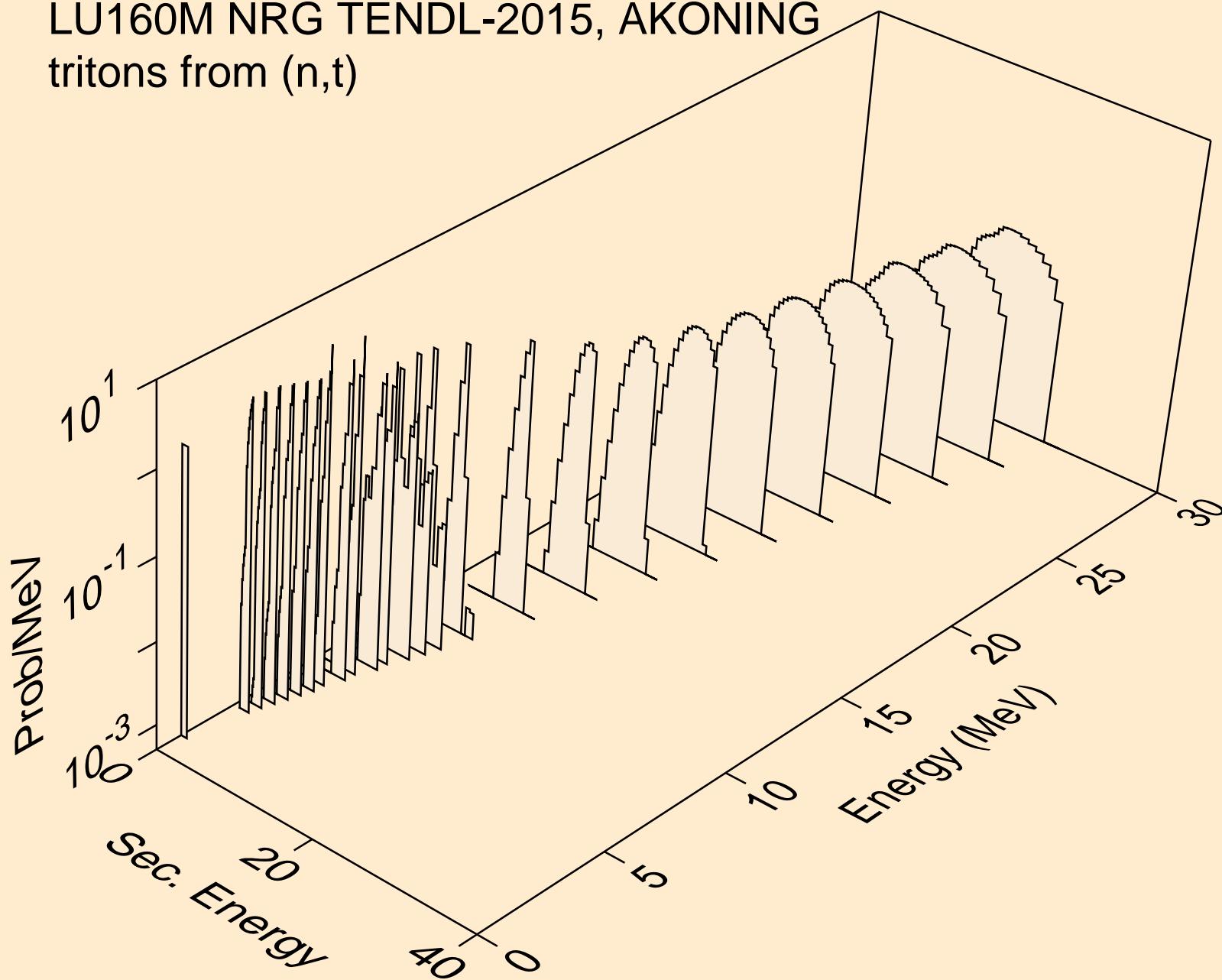
LU160M NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



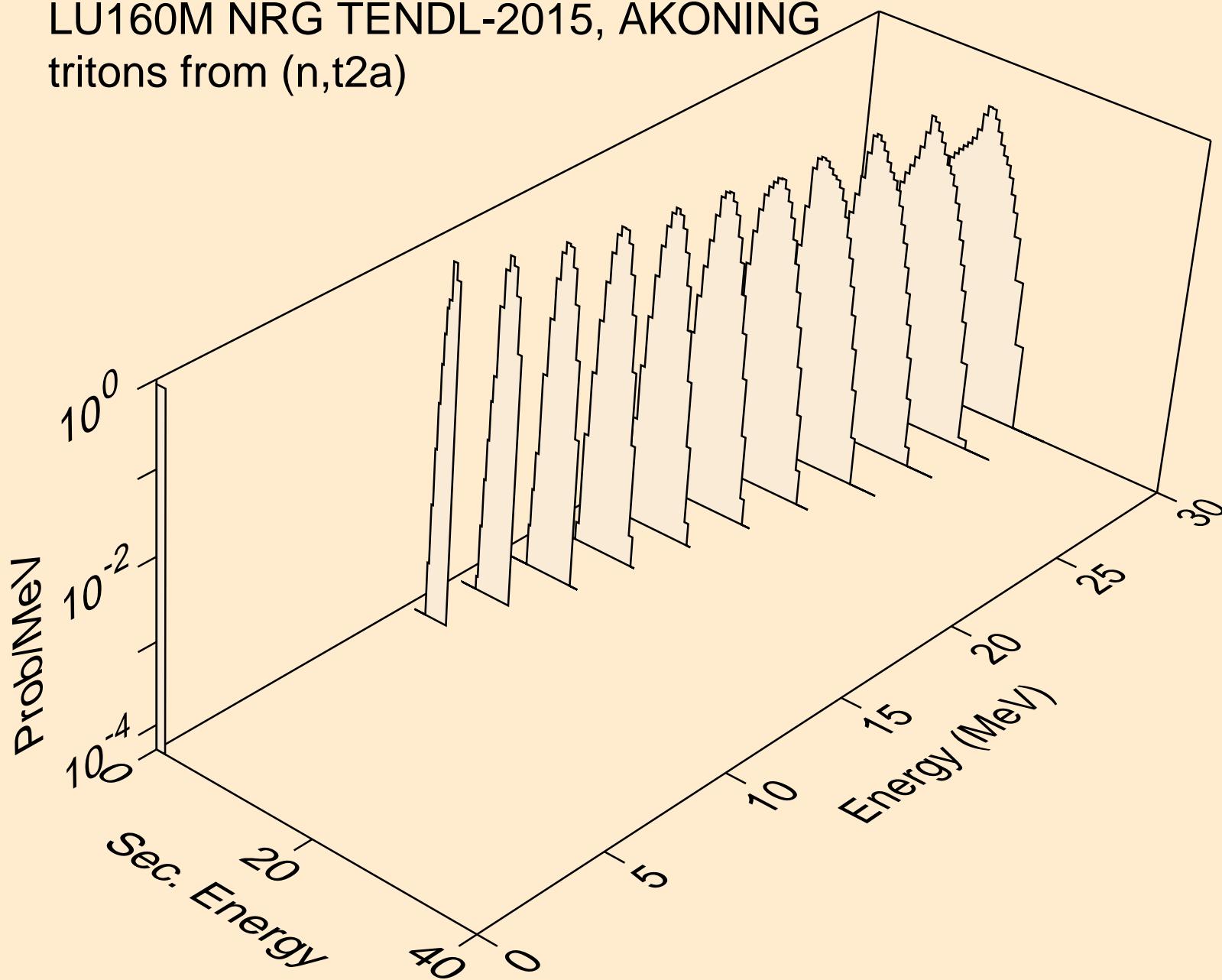
LU160M NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t2a$



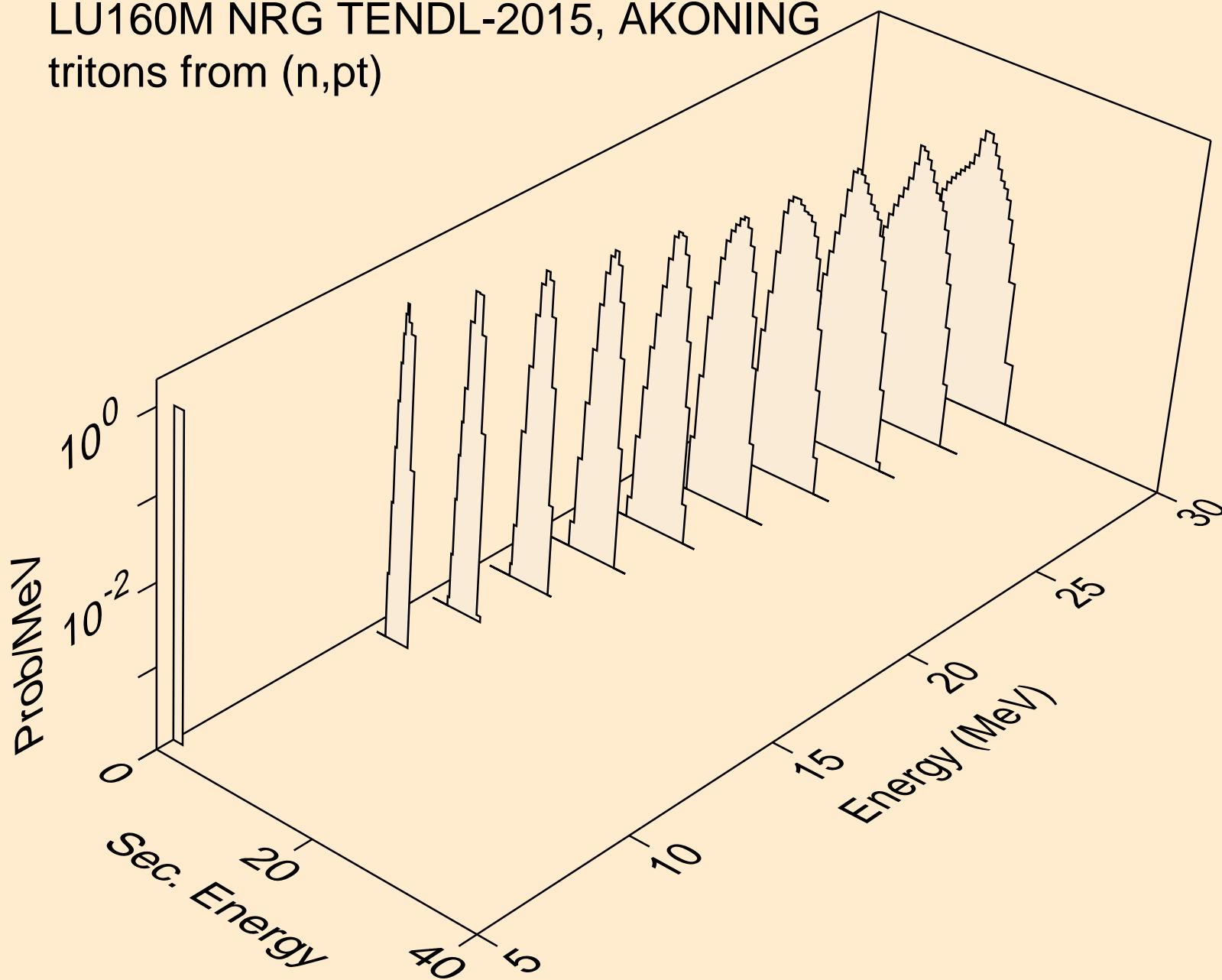
LU160M NRG TENDL-2015, AKONING  
tritons from (n,t)



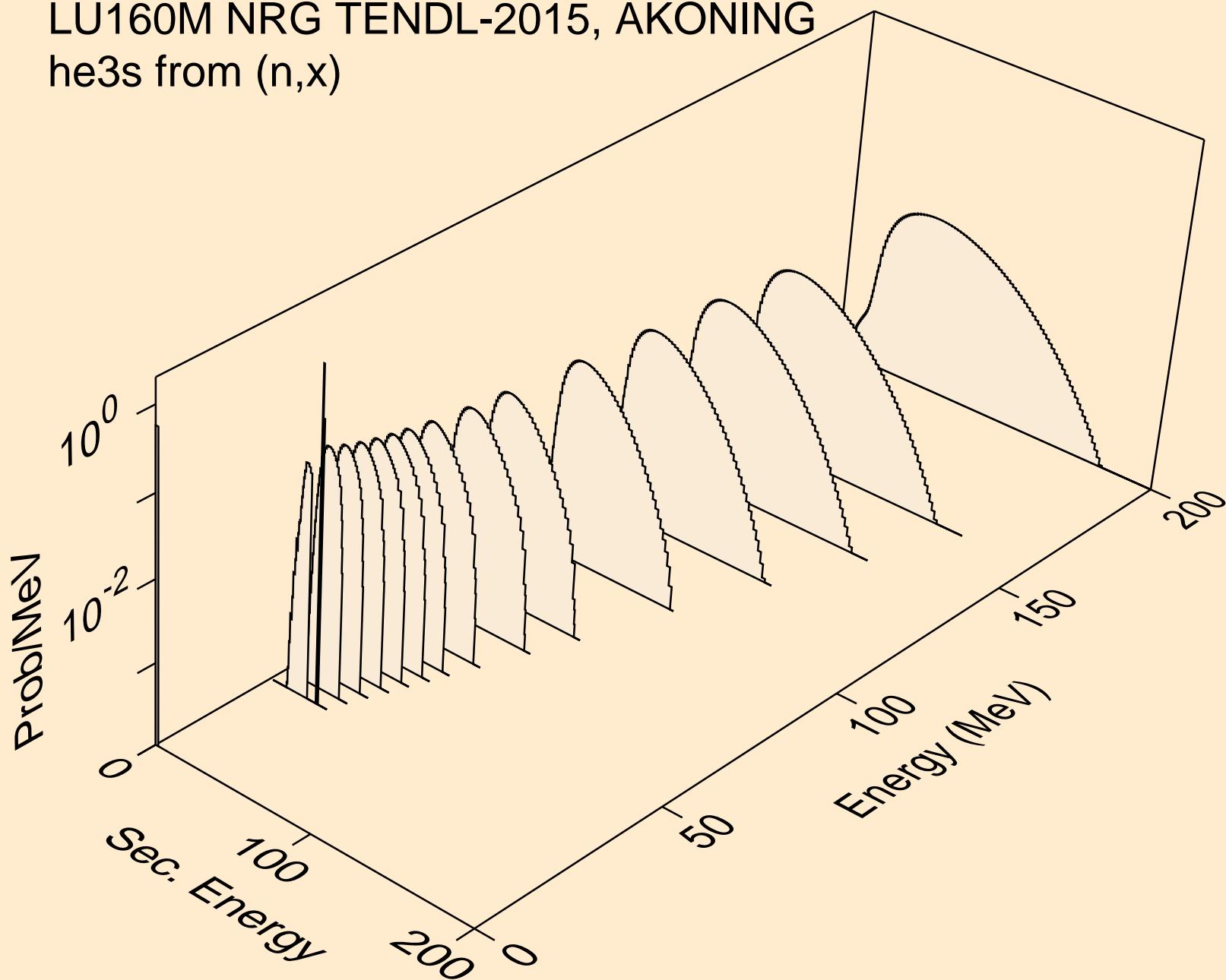
LU160M NRG TENDL-2015, AKONING  
tritons from ( $n, t2a$ )



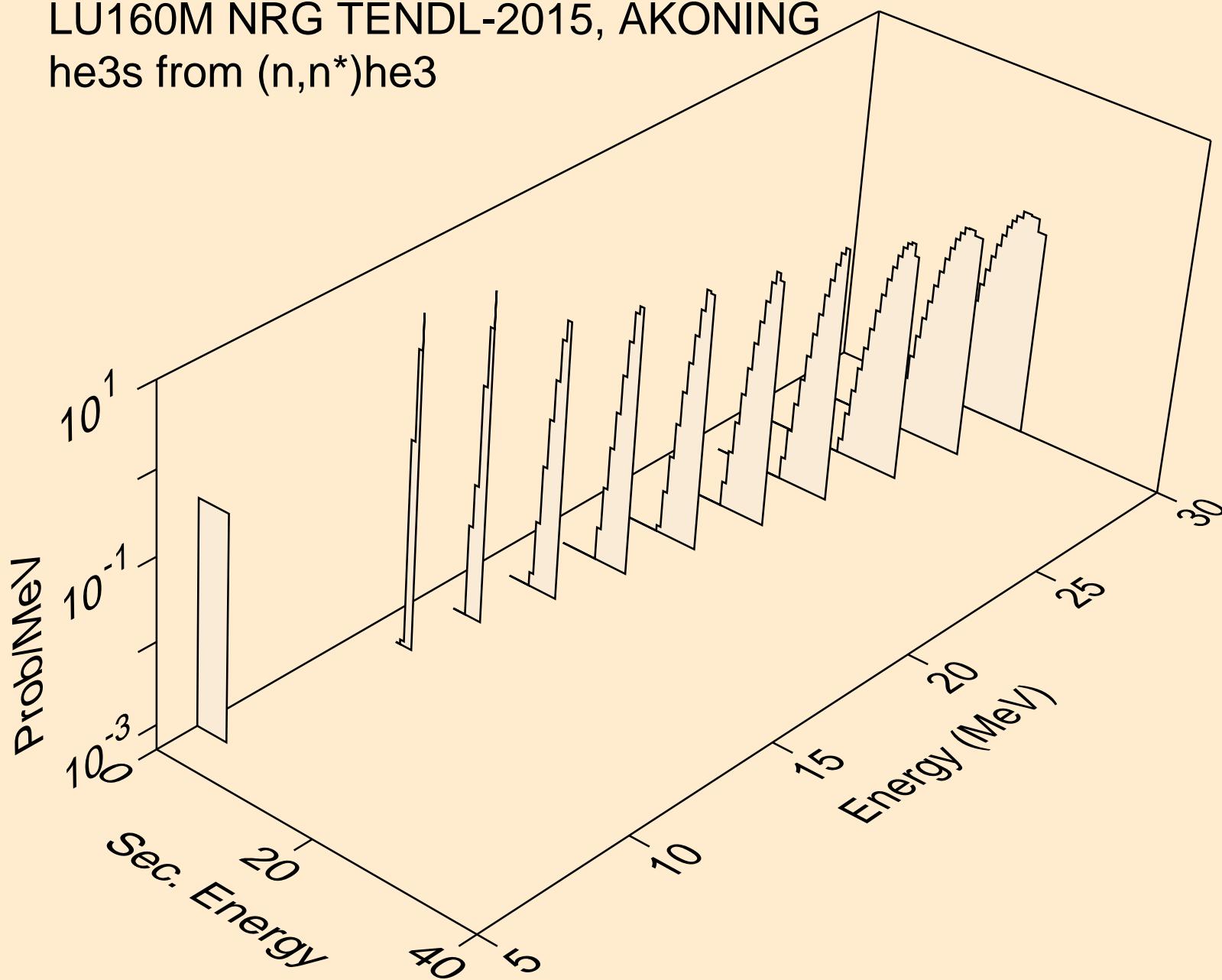
LU160M NRG TENDL-2015, AKONING  
tritons from (n,pt)



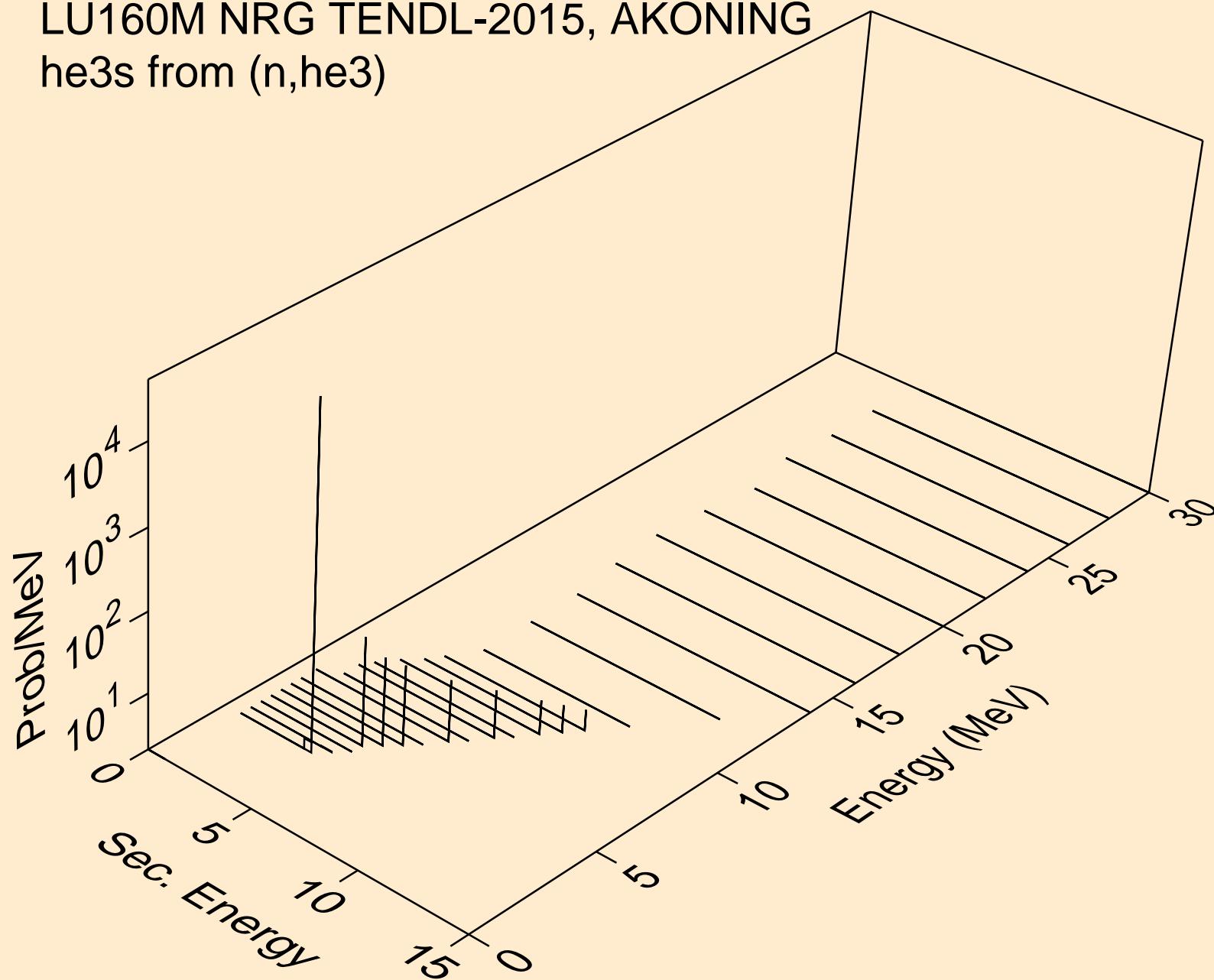
LU160M NRG TENDL-2015, AKONING  
he3s from (n,x)



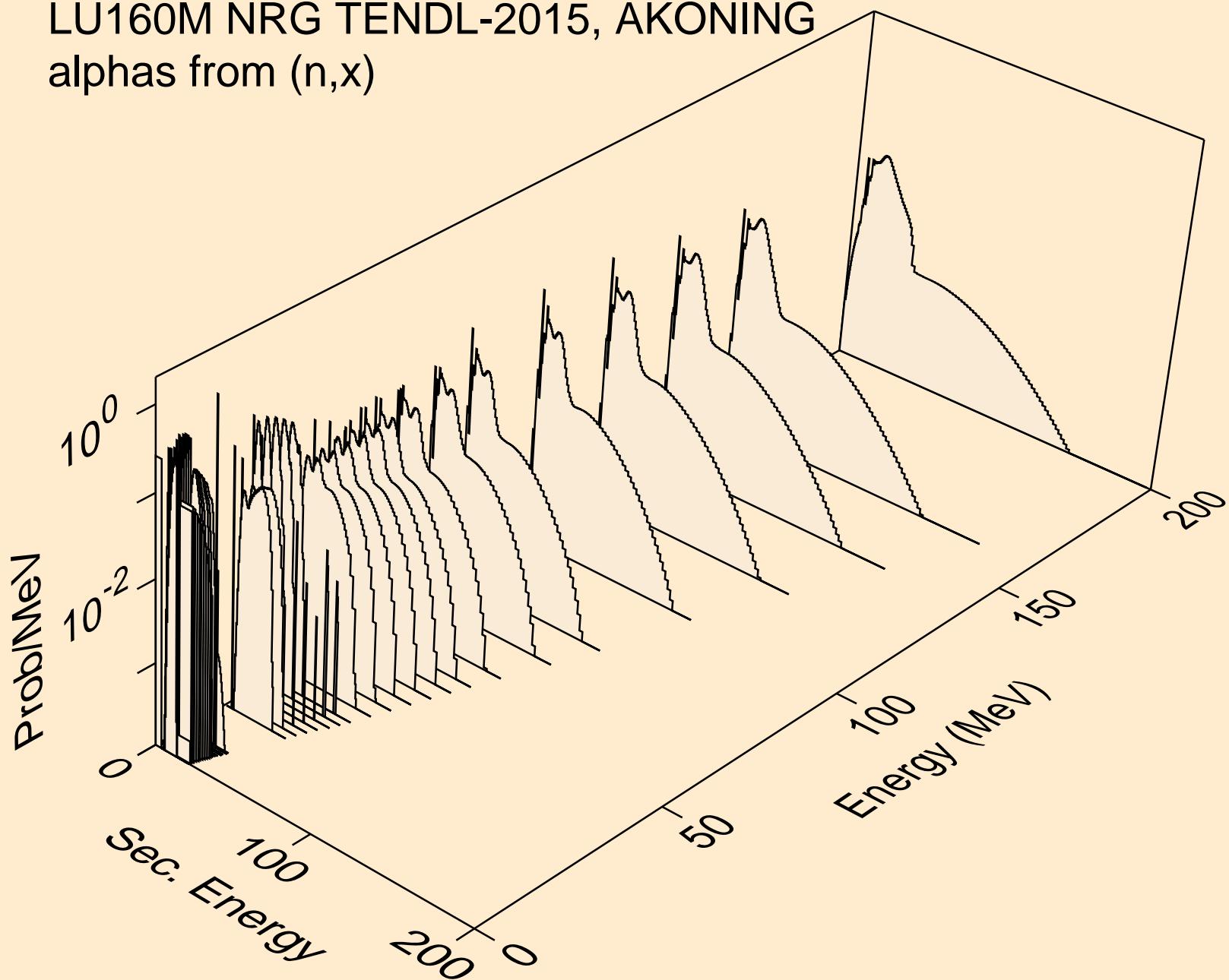
LU160M NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



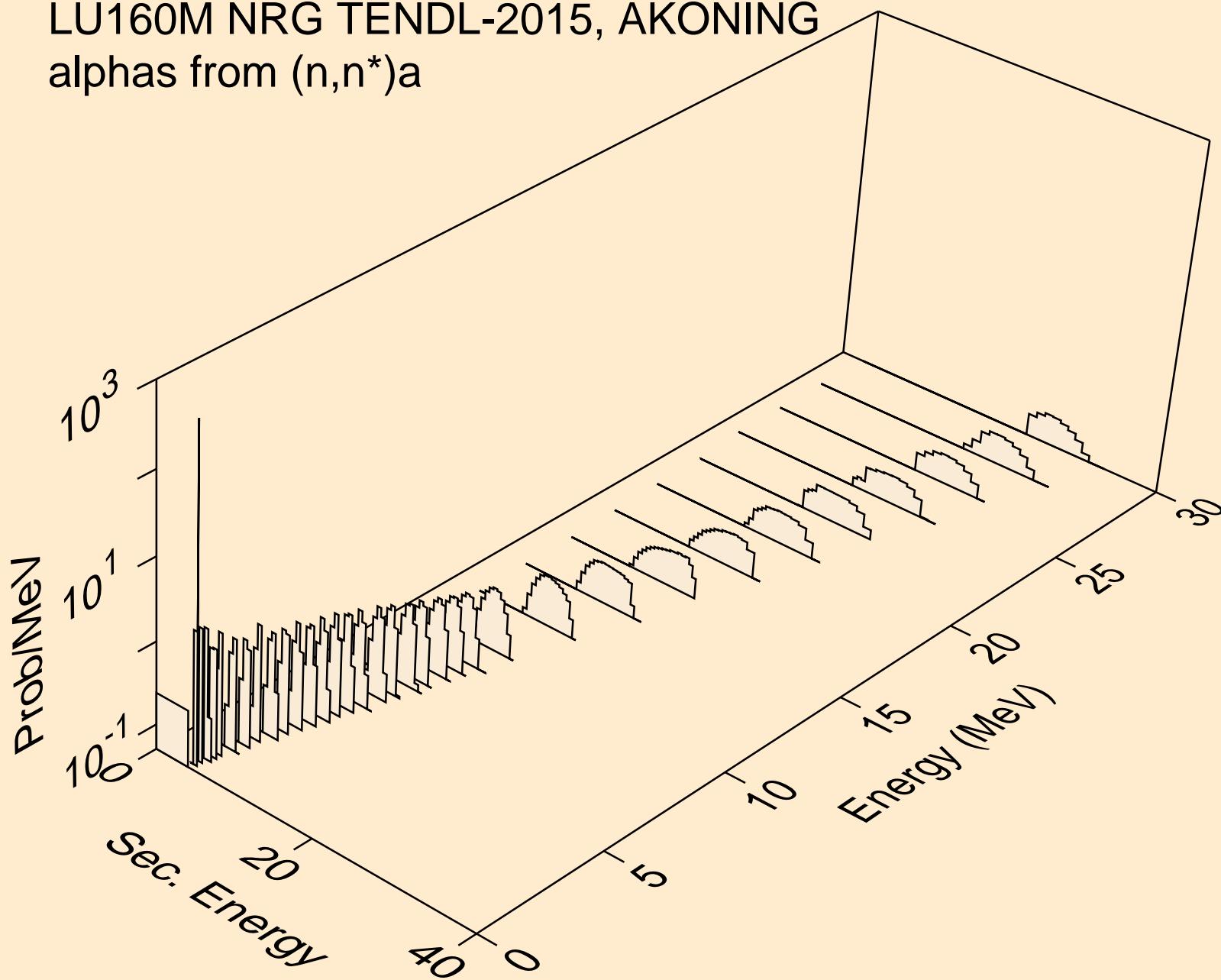
LU160M NRG TENDL-2015, AKONING  
he3s from (n,he3)



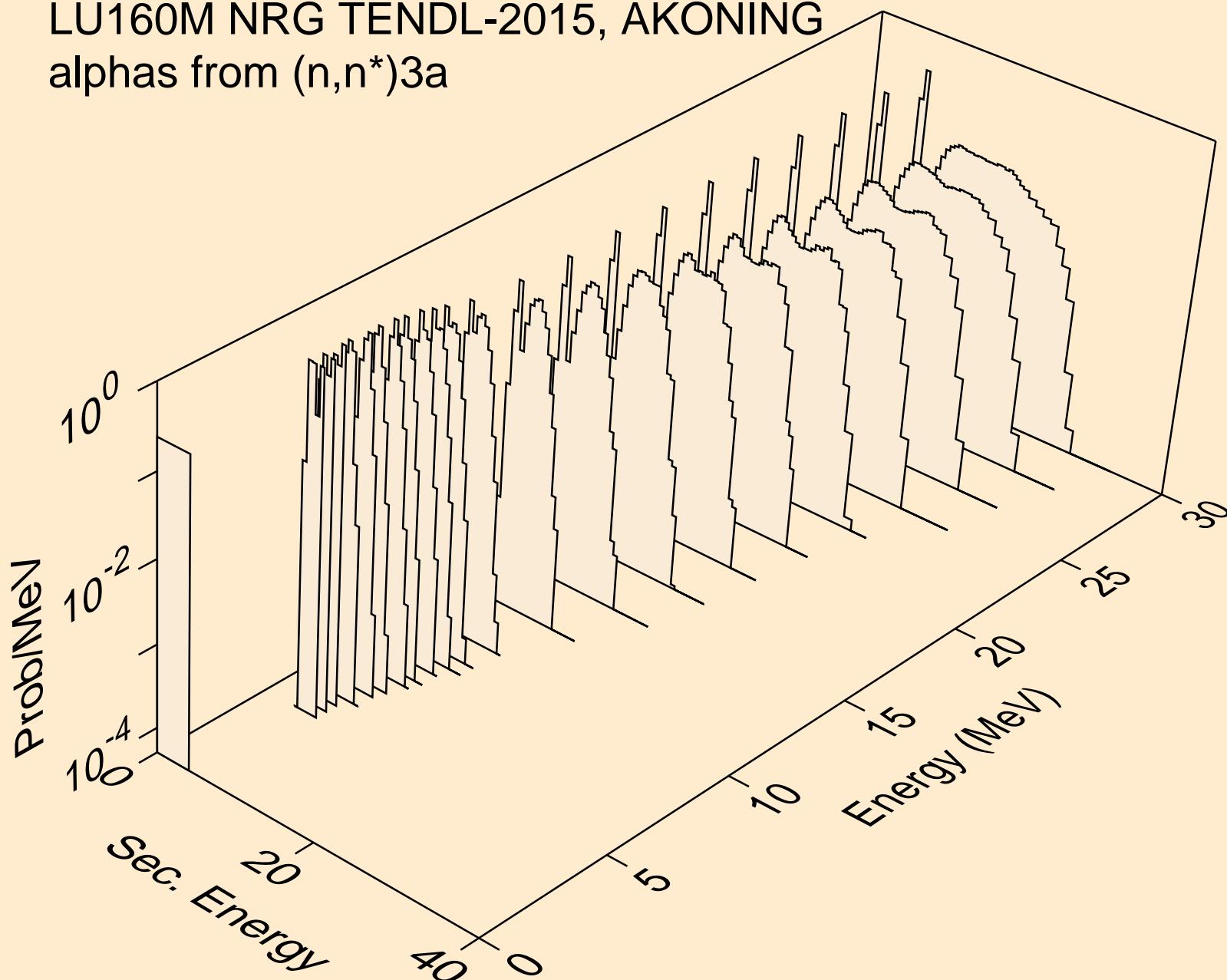
LU160M NRG TENDL-2015, AKONING  
alphas from (n,x)



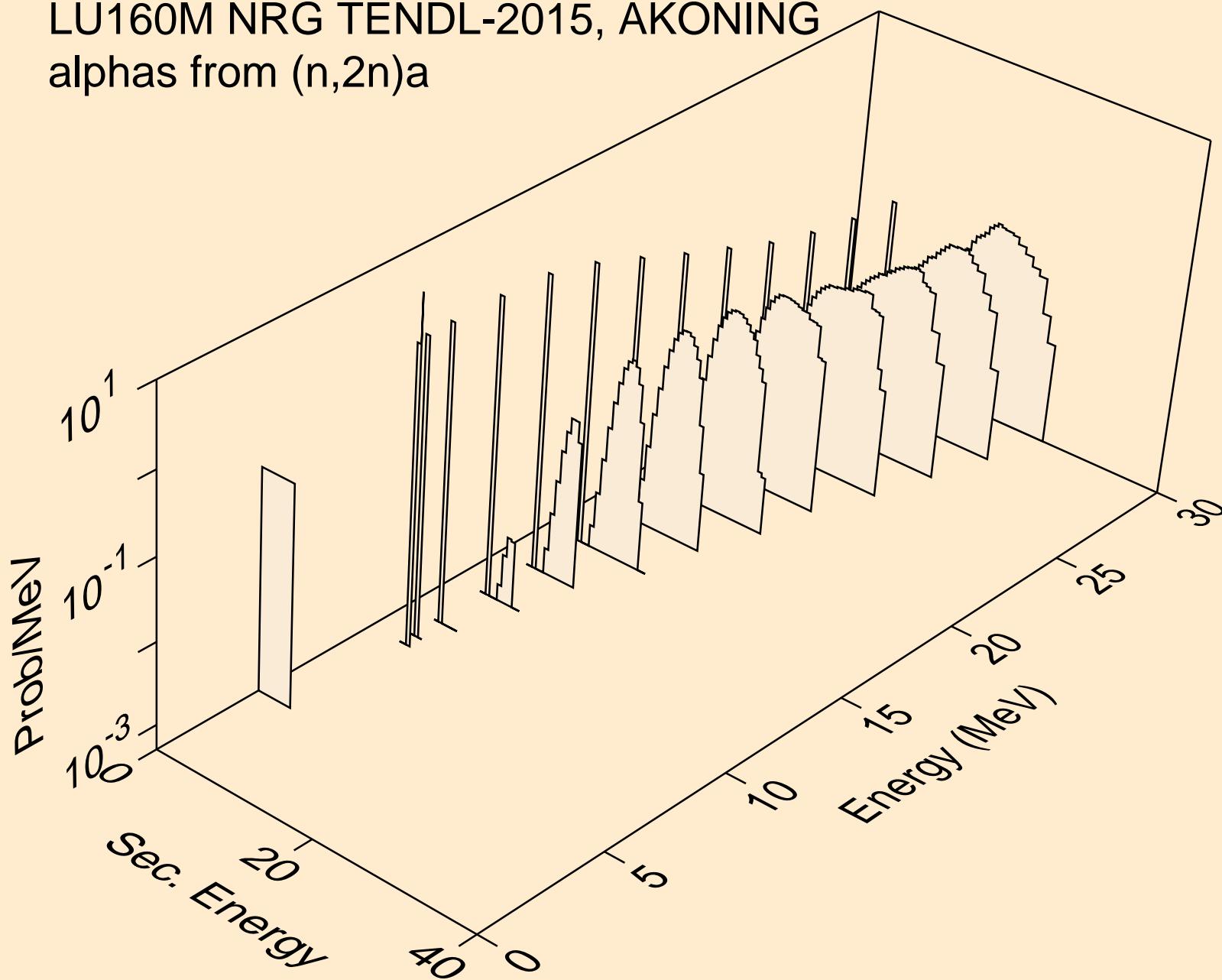
LU160M NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)a$



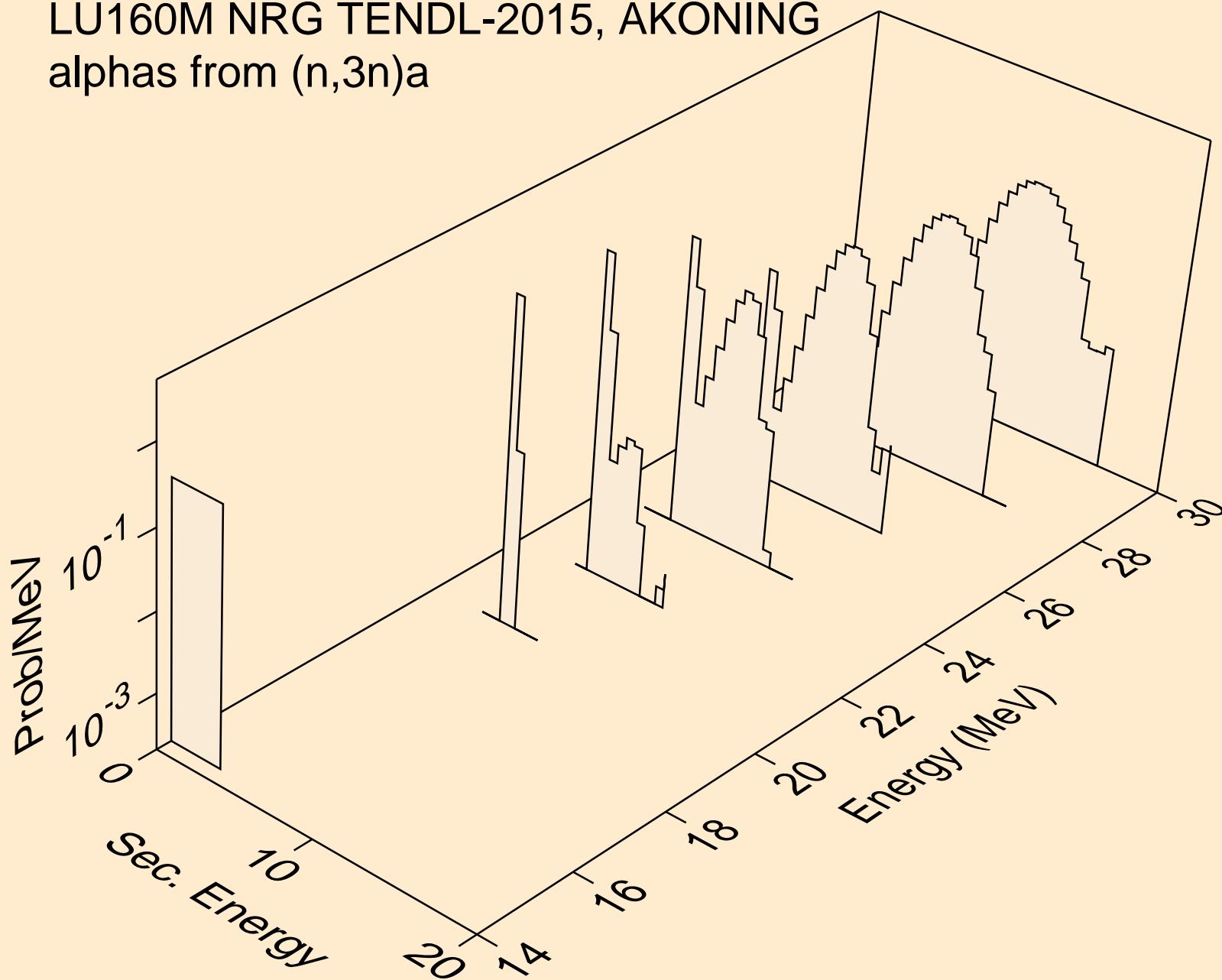
LU160M NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)3a$



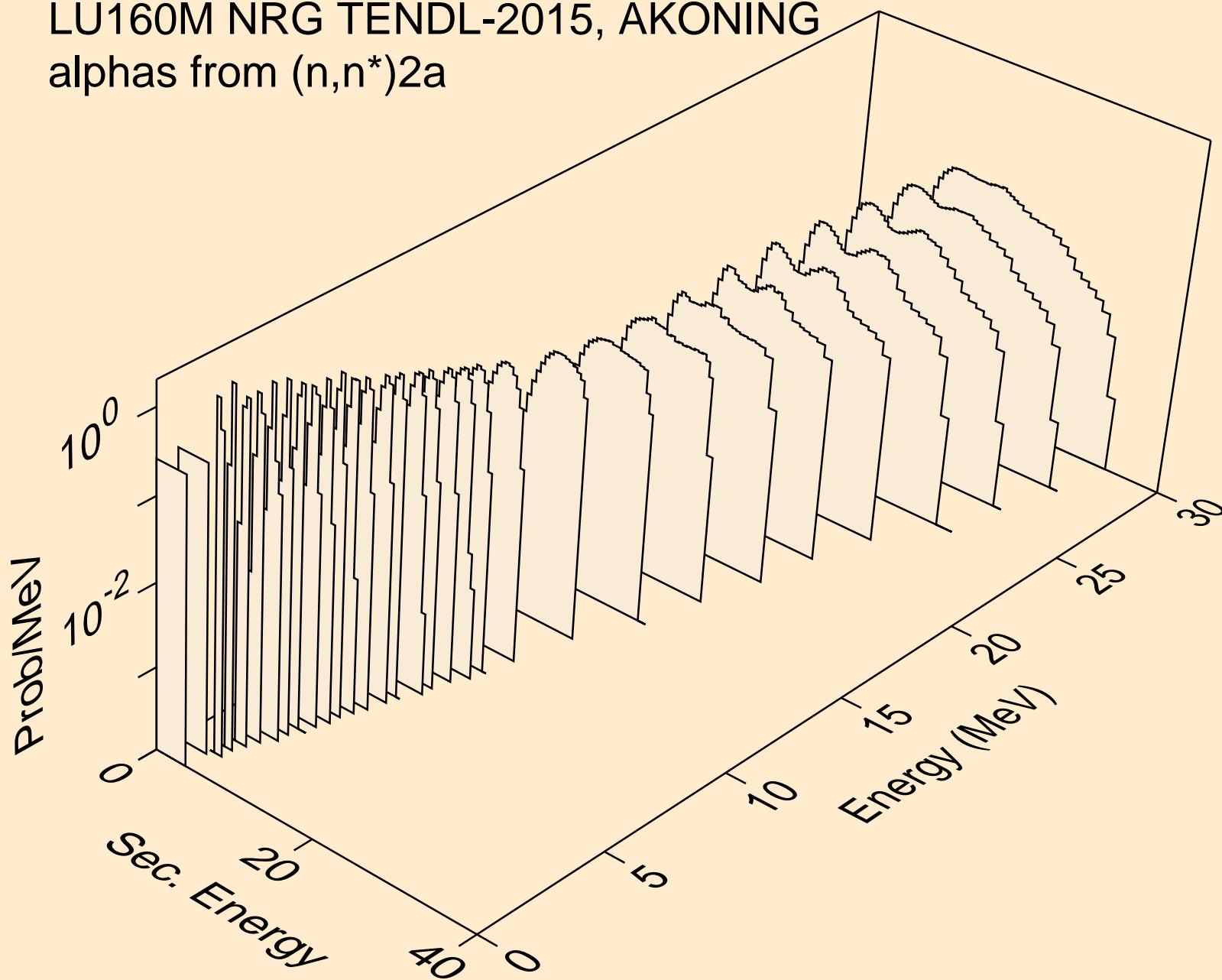
LU160M NRG TENDL-2015, AKONING  
alphas from ( $n,2n$ )a



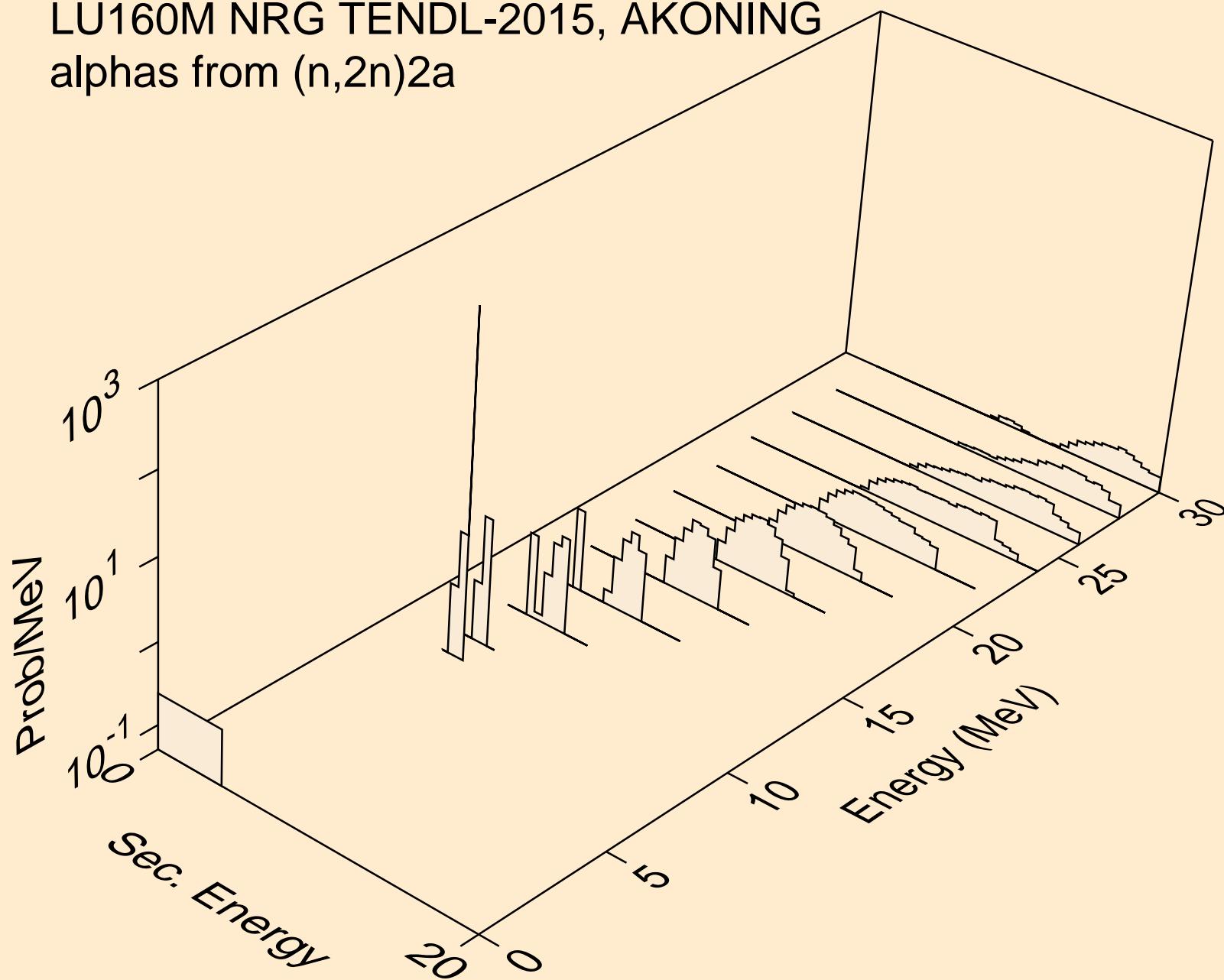
LU160M NRG TENDL-2015, AKONING  
alphas from ( $n,3n$ )a



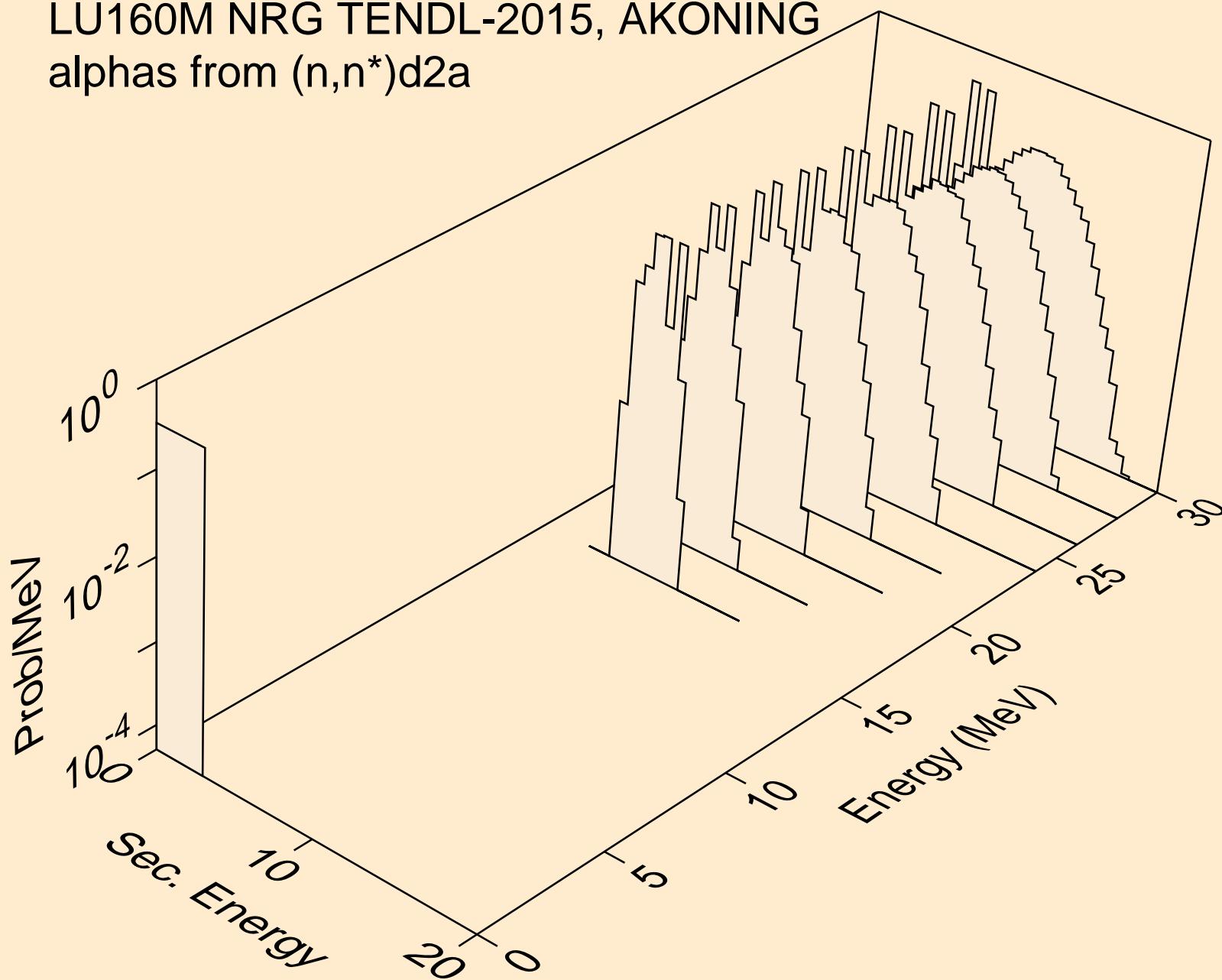
LU160M NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)2a$



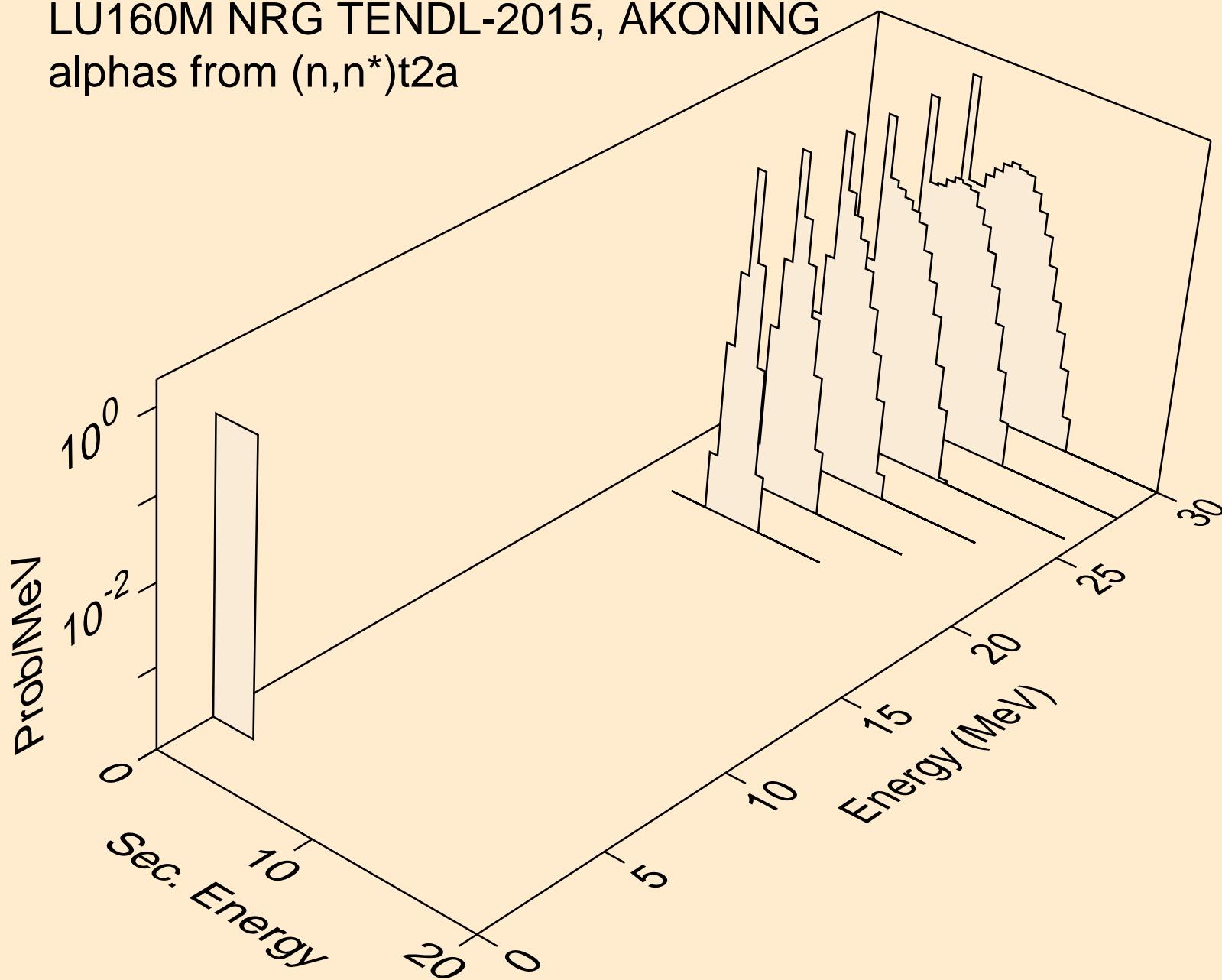
LU160M NRG TENDL-2015, AKONING  
alphas from  $(n,2n)2a$



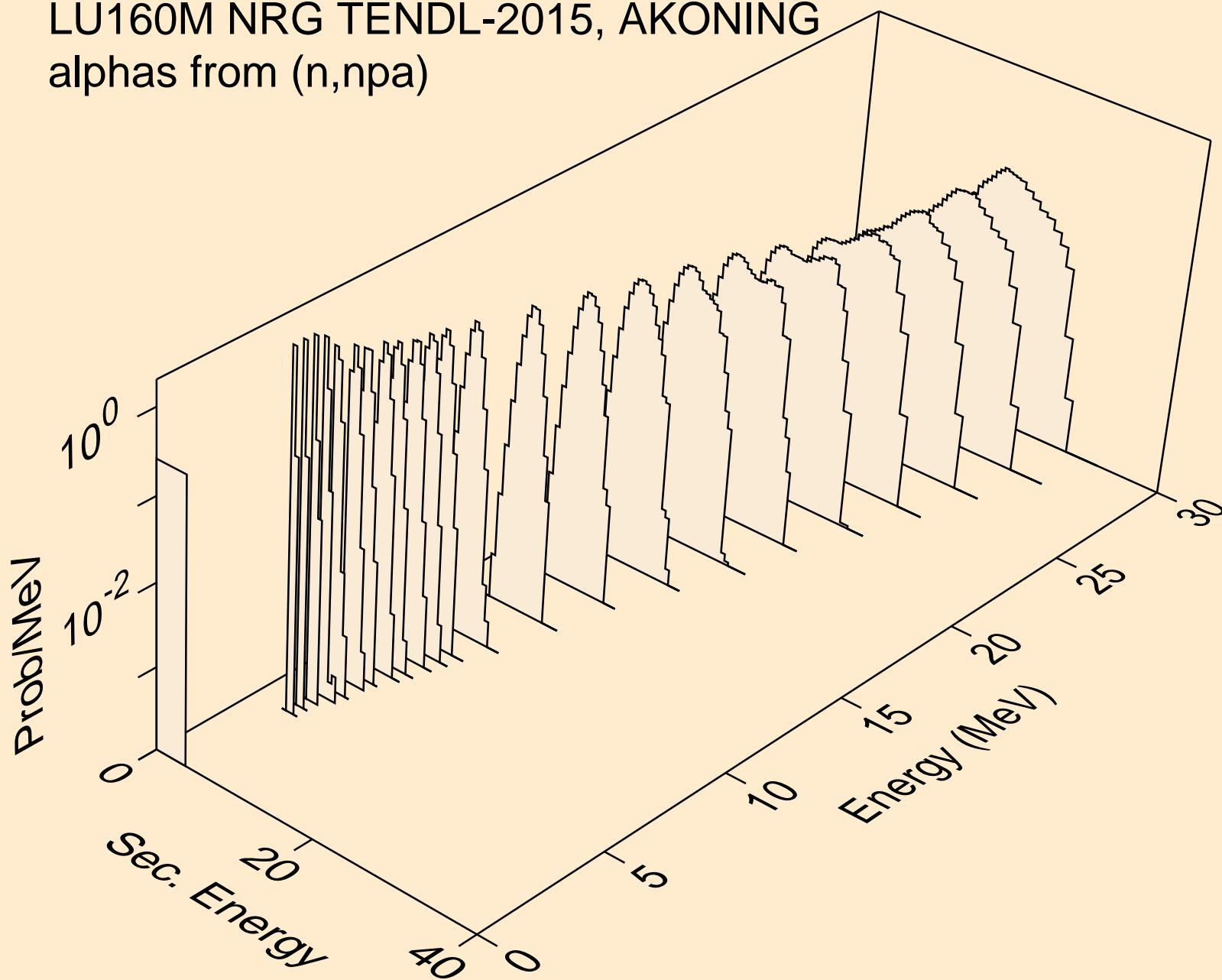
LU160M NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)d^2a$



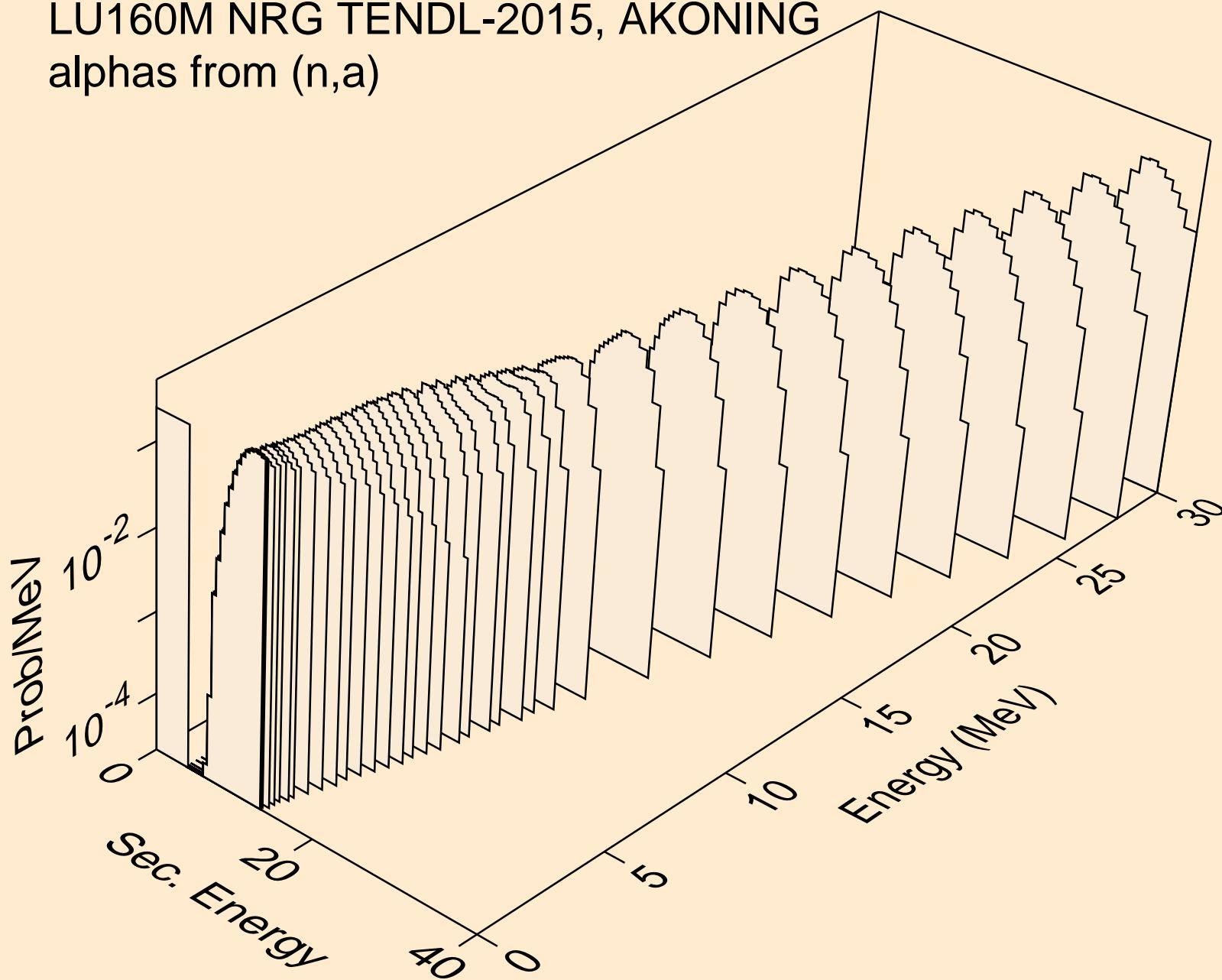
LU160M NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)t2a$



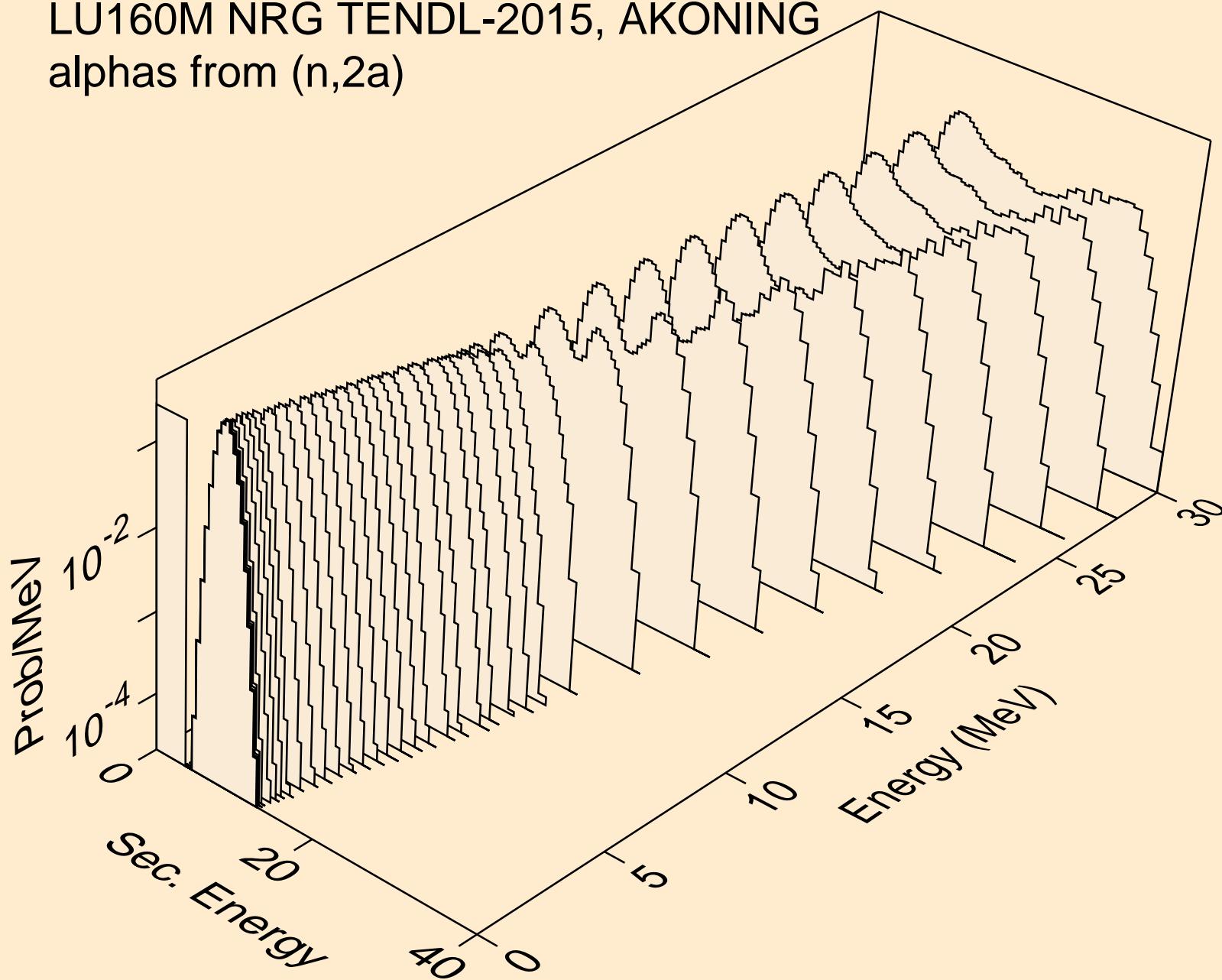
LU160M NRG TENDL-2015, AKONING  
alphas from (n,npa)



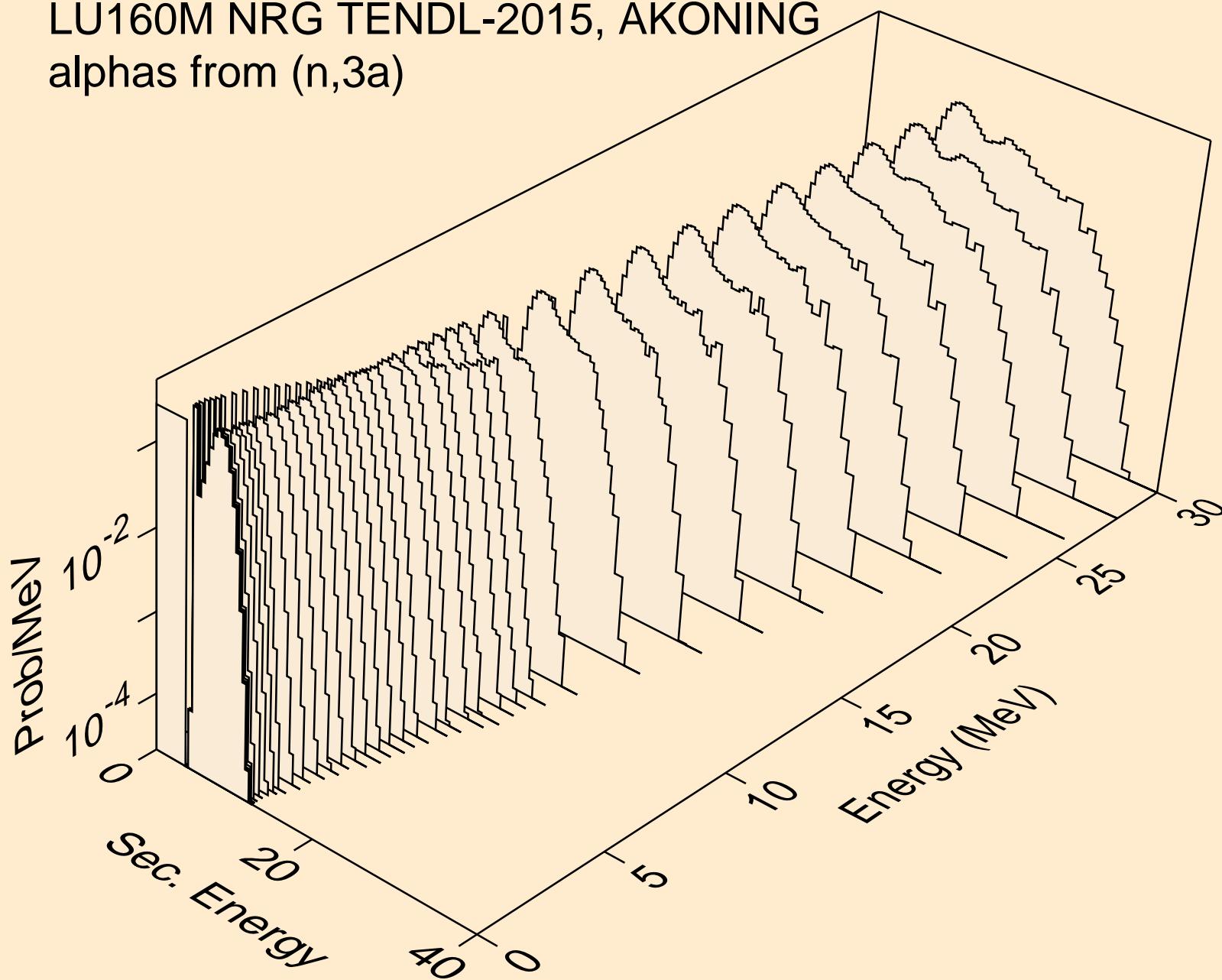
LU160M NRG TENDL-2015, AKONING  
alphas from (n,a)



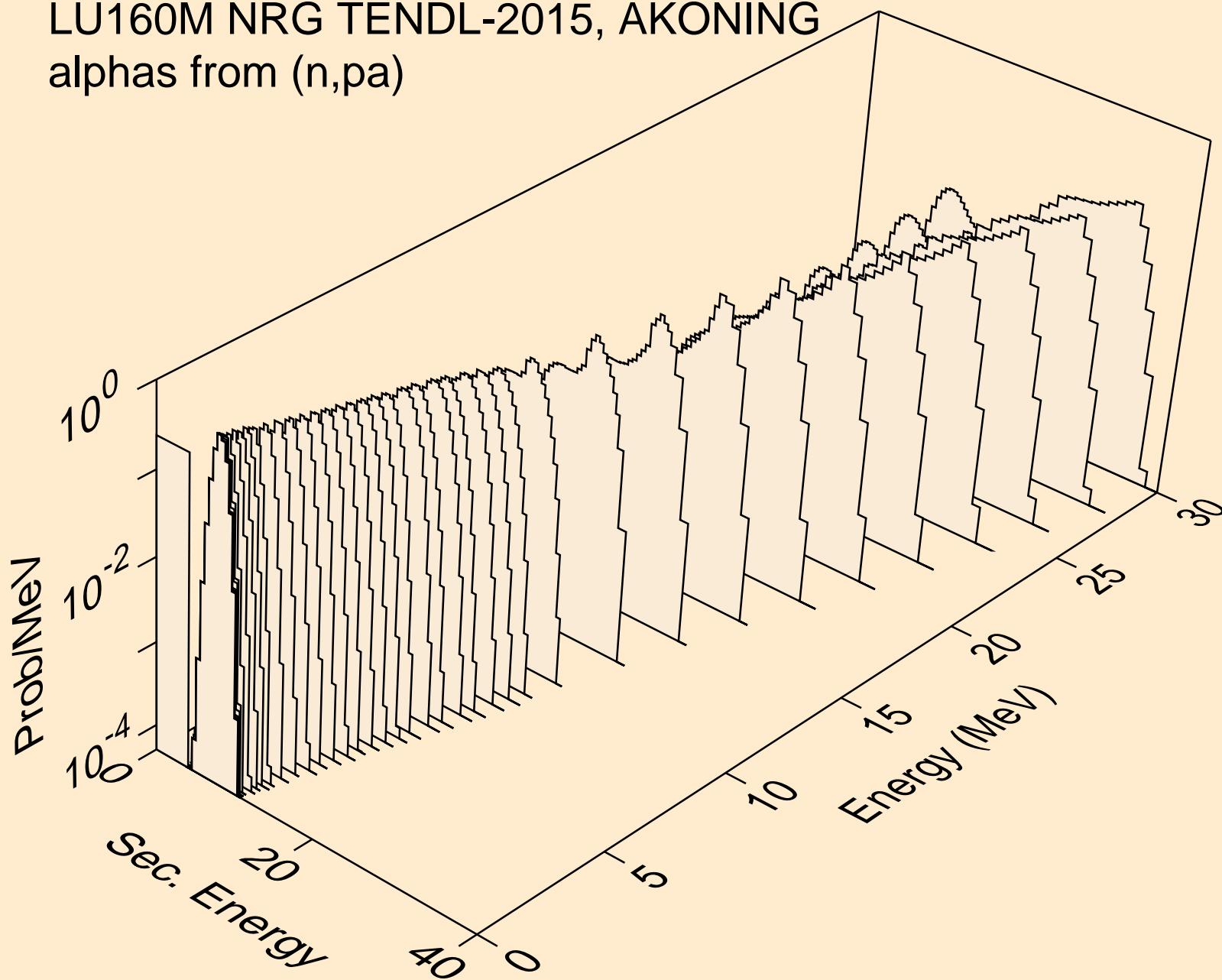
LU160M NRG TENDL-2015, AKONING  
alphas from ( $n,2a$ )



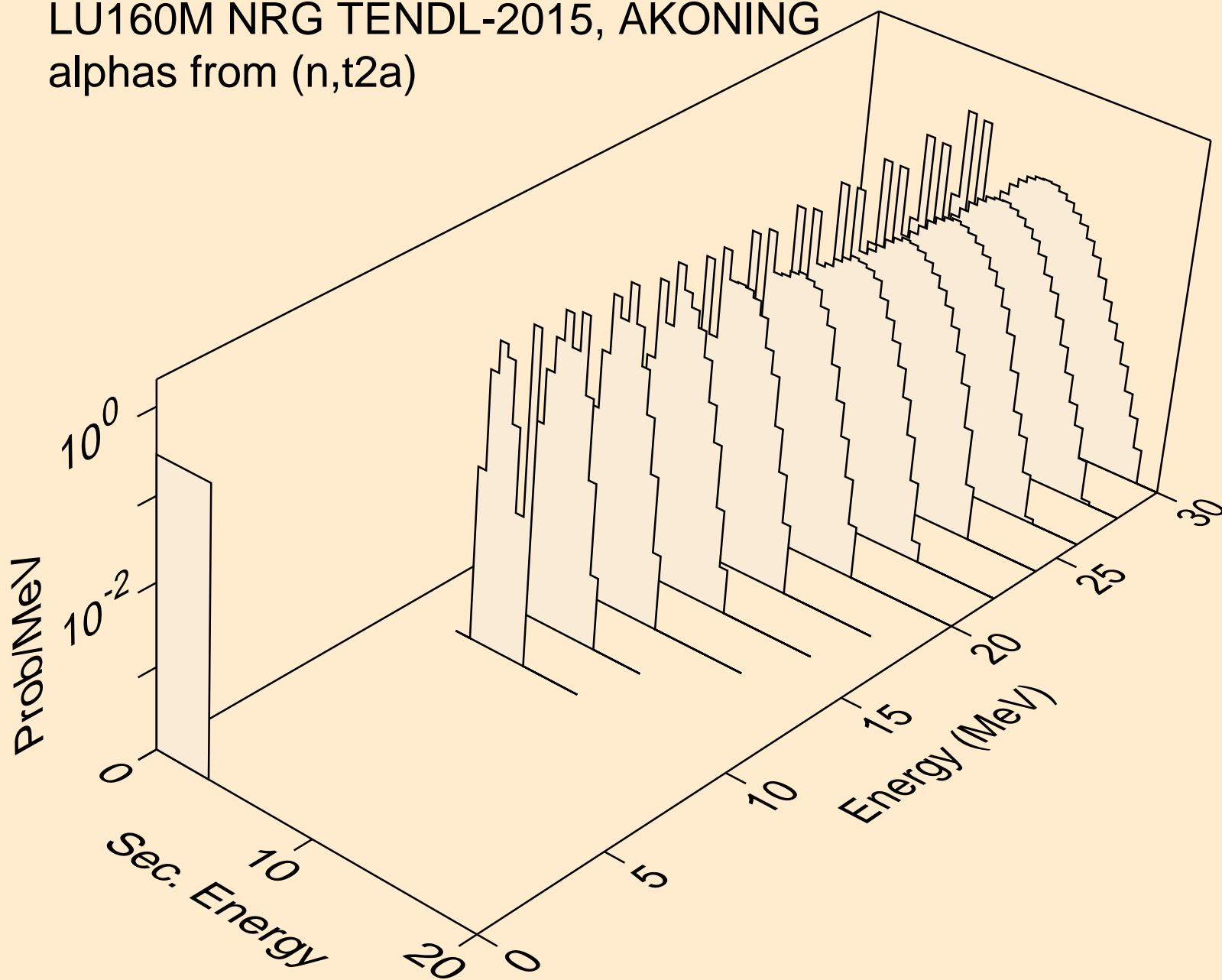
LU160M NRG TENDL-2015, AKONING  
alphas from (n,3a)



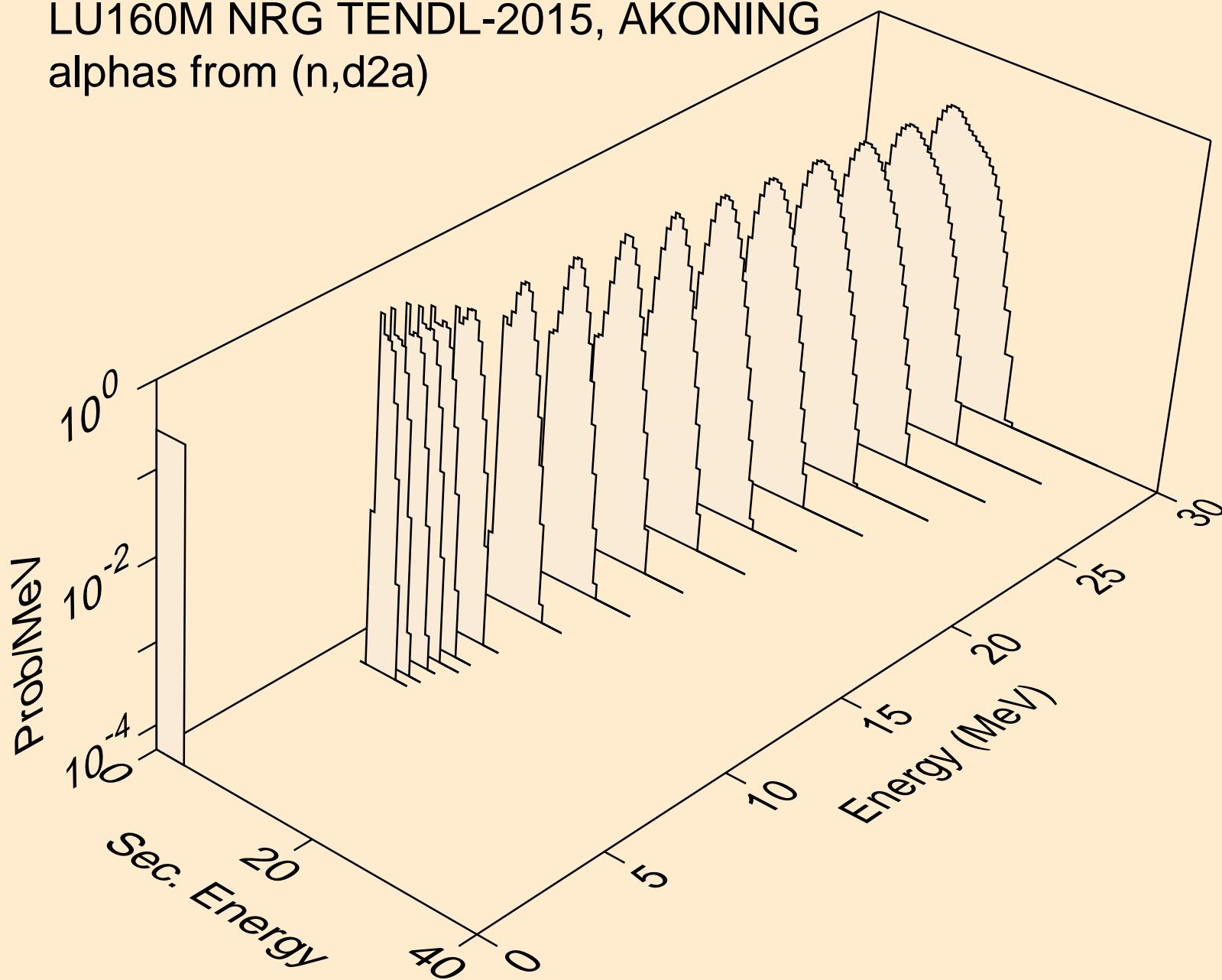
LU160M NRG TENDL-2015, AKONING  
alphas from (n,pa)



LU160M NRG TENDL-2015, AKONING  
alphas from (n,t2a)



LU160M NRG TENDL-2015, AKONING  
alphas from (n,d2a)



LU160M NRG TENDL-2015, AKONING  
alphas from (n,da)

