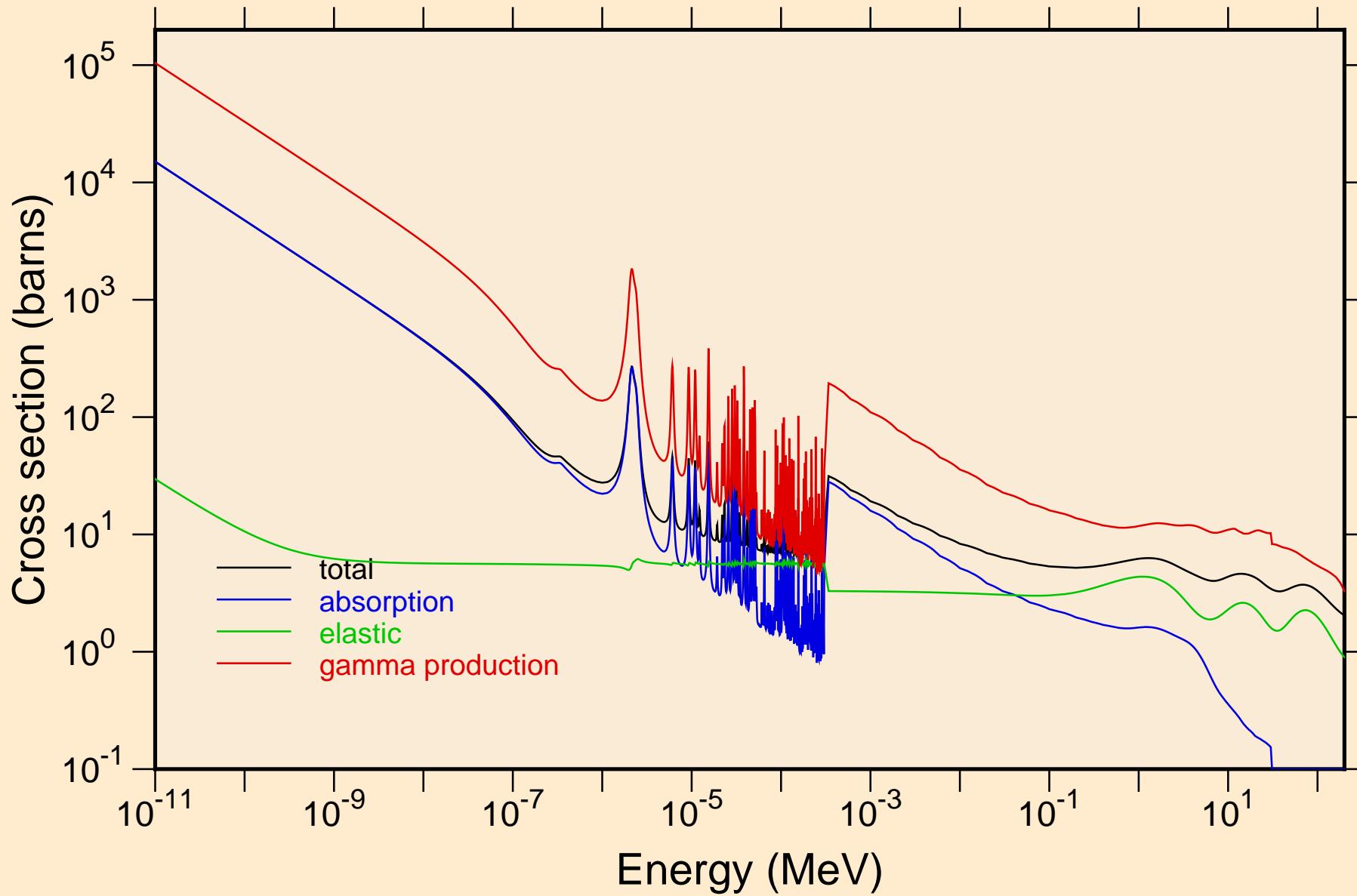
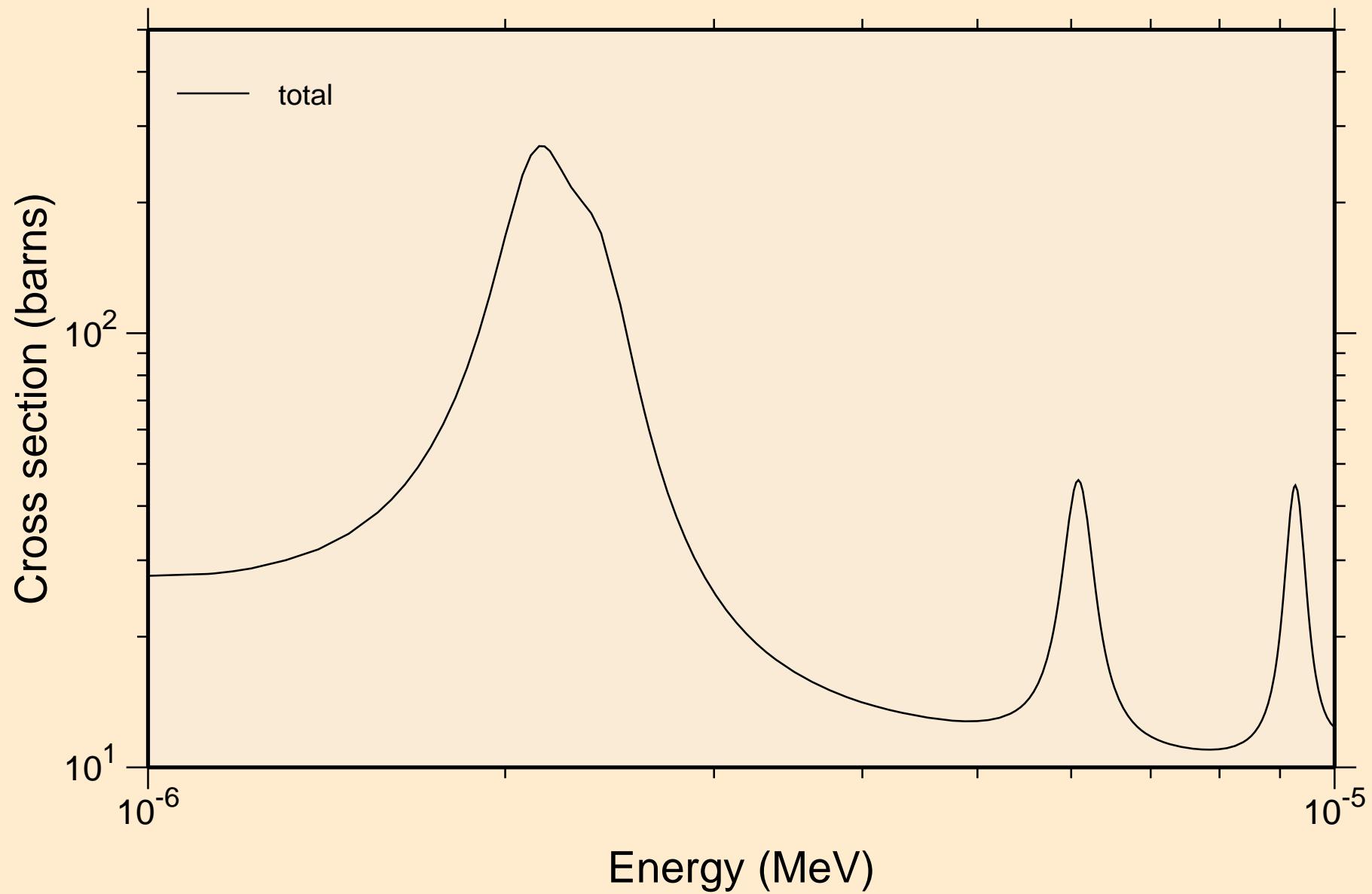


# CS123M NRG TENDL-2015, AKONING

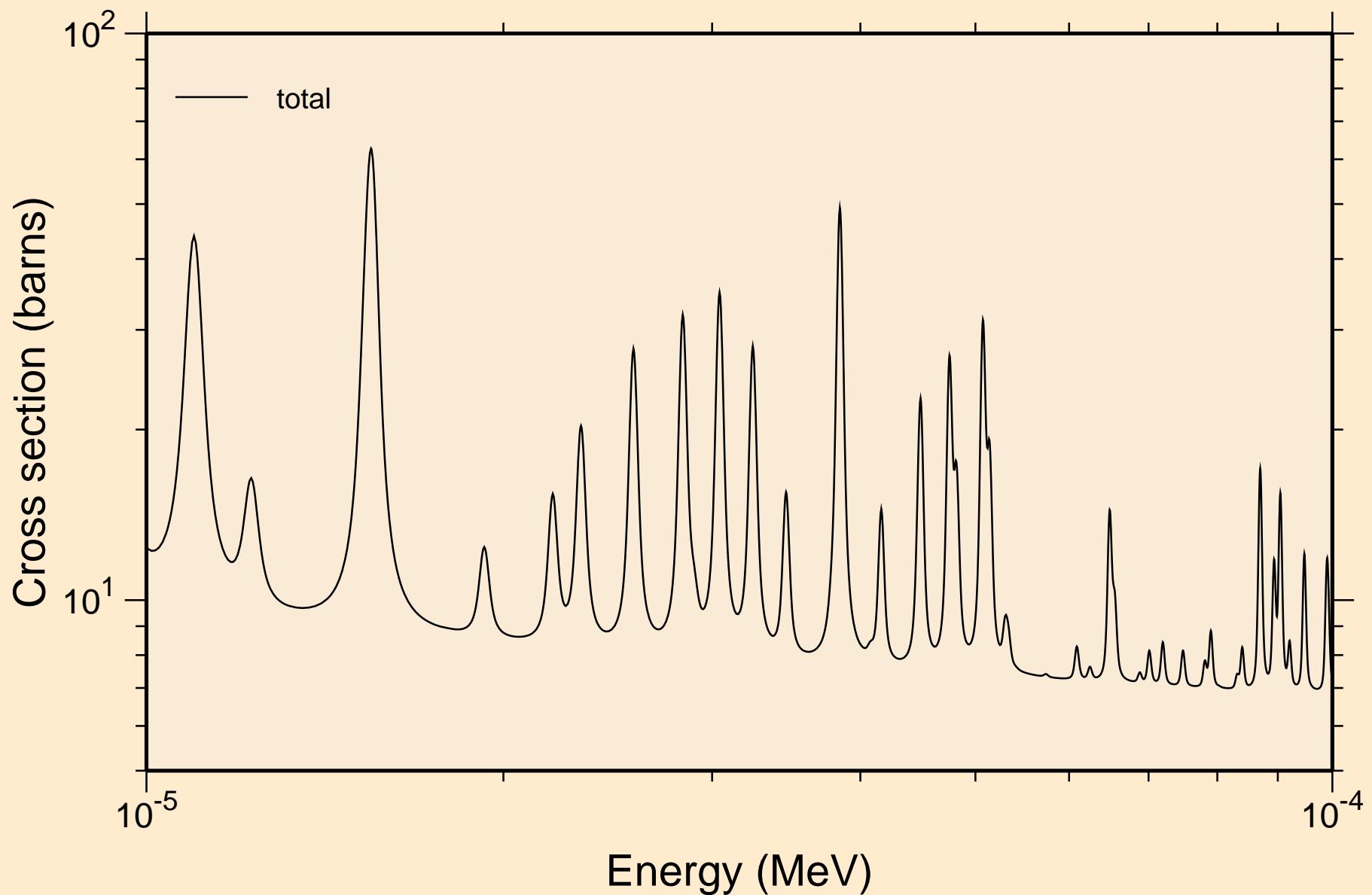
## Principal cross sections



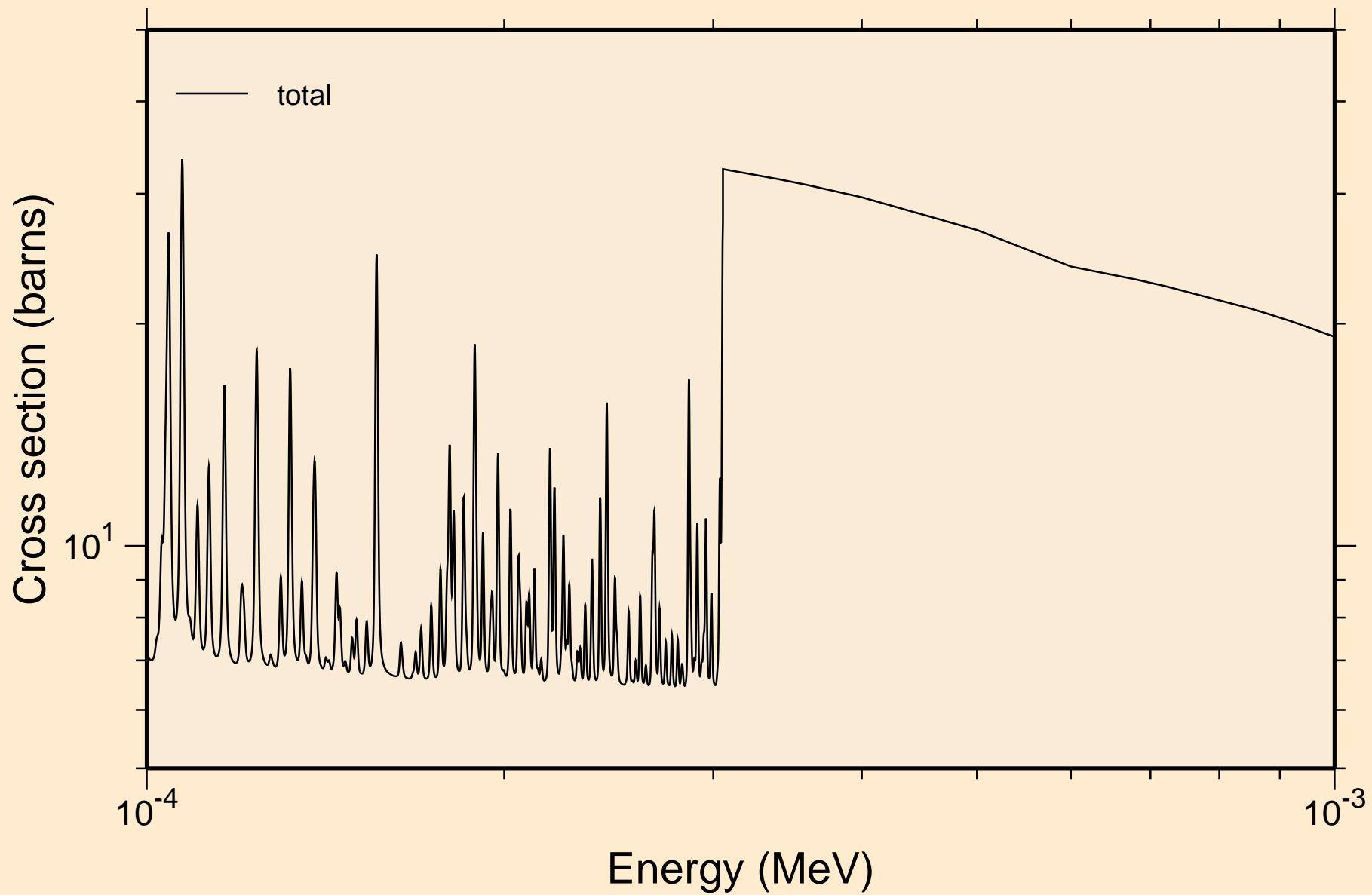
CS123M NRG TENDL-2015, AKONING  
resonance total cross section



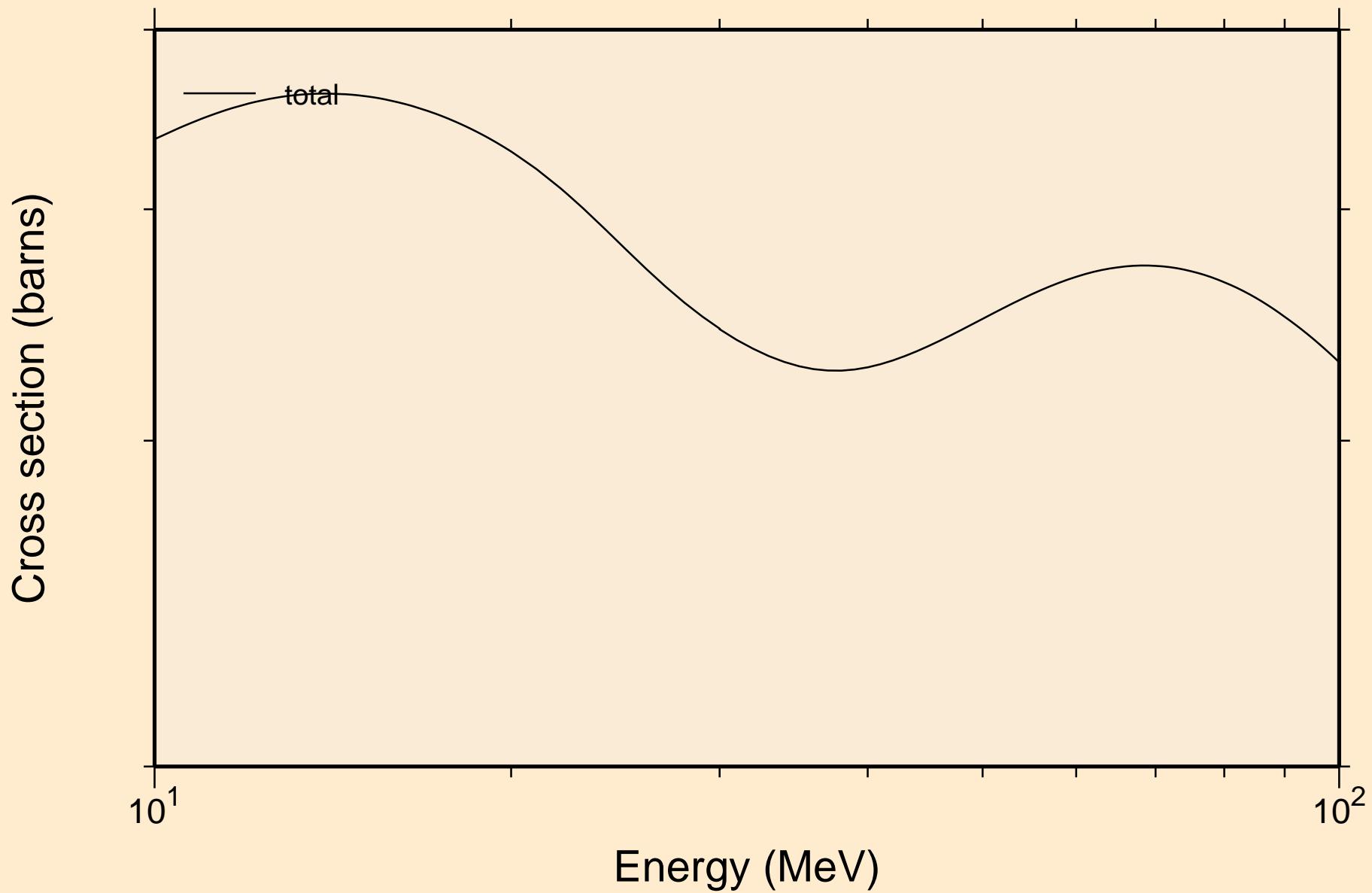
CS123M NRG TENDL-2015, AKONING  
resonance total cross section



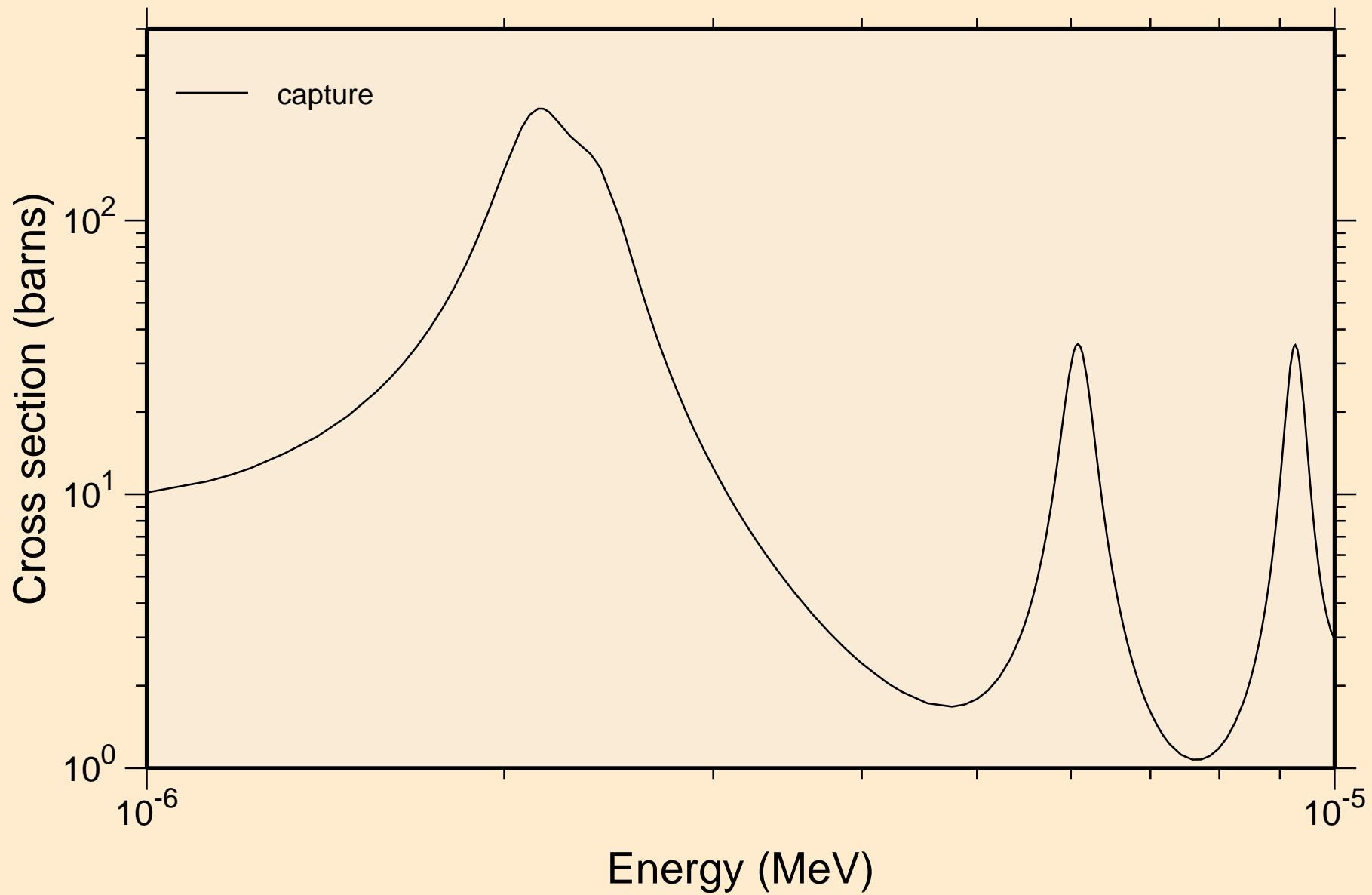
CS123M NRG TENDL-2015, AKONING  
resonance total cross section



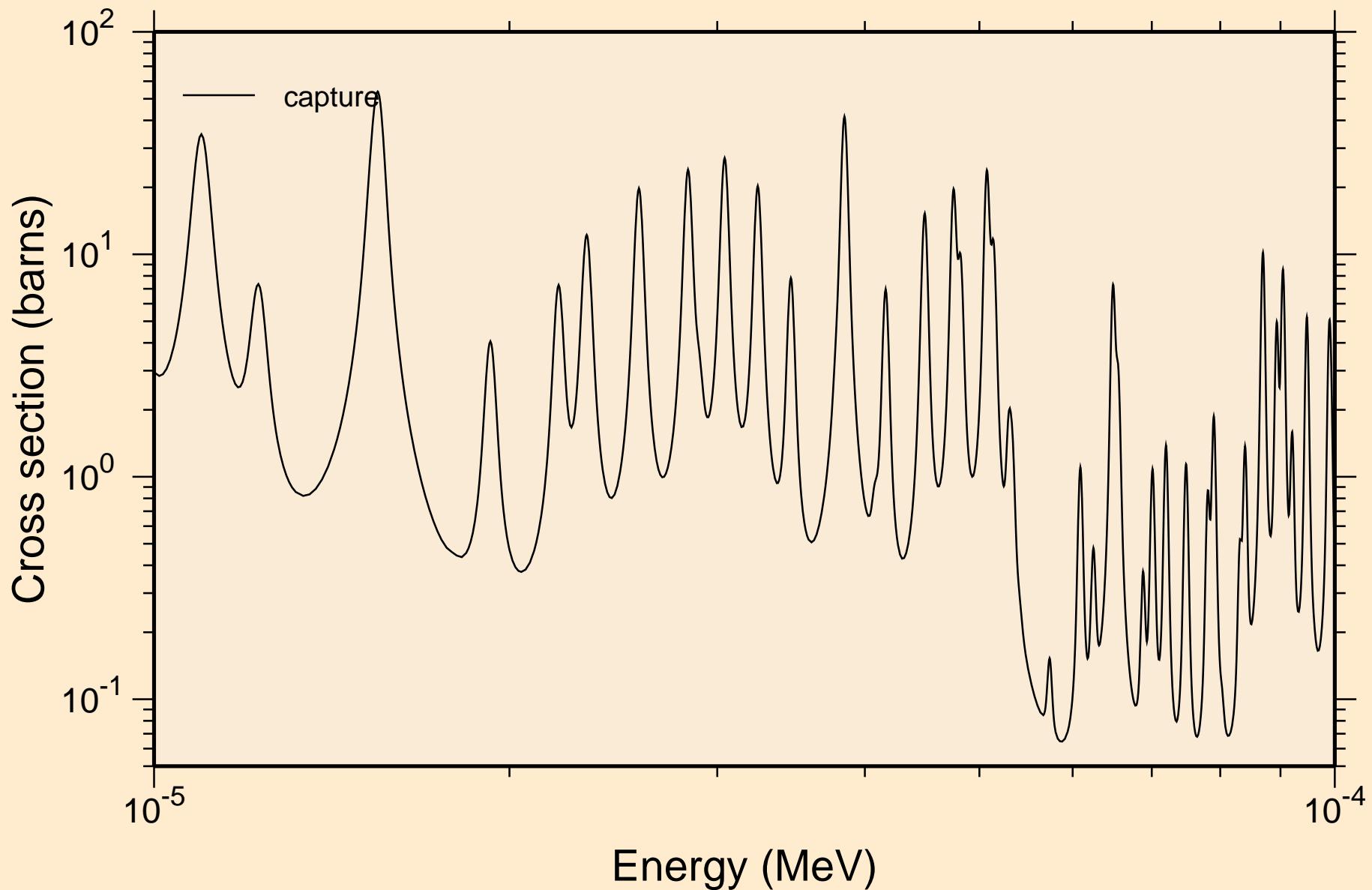
$\bar{C}$ S123M NRG TENDL-2015, AKONING  
resonance total cross section



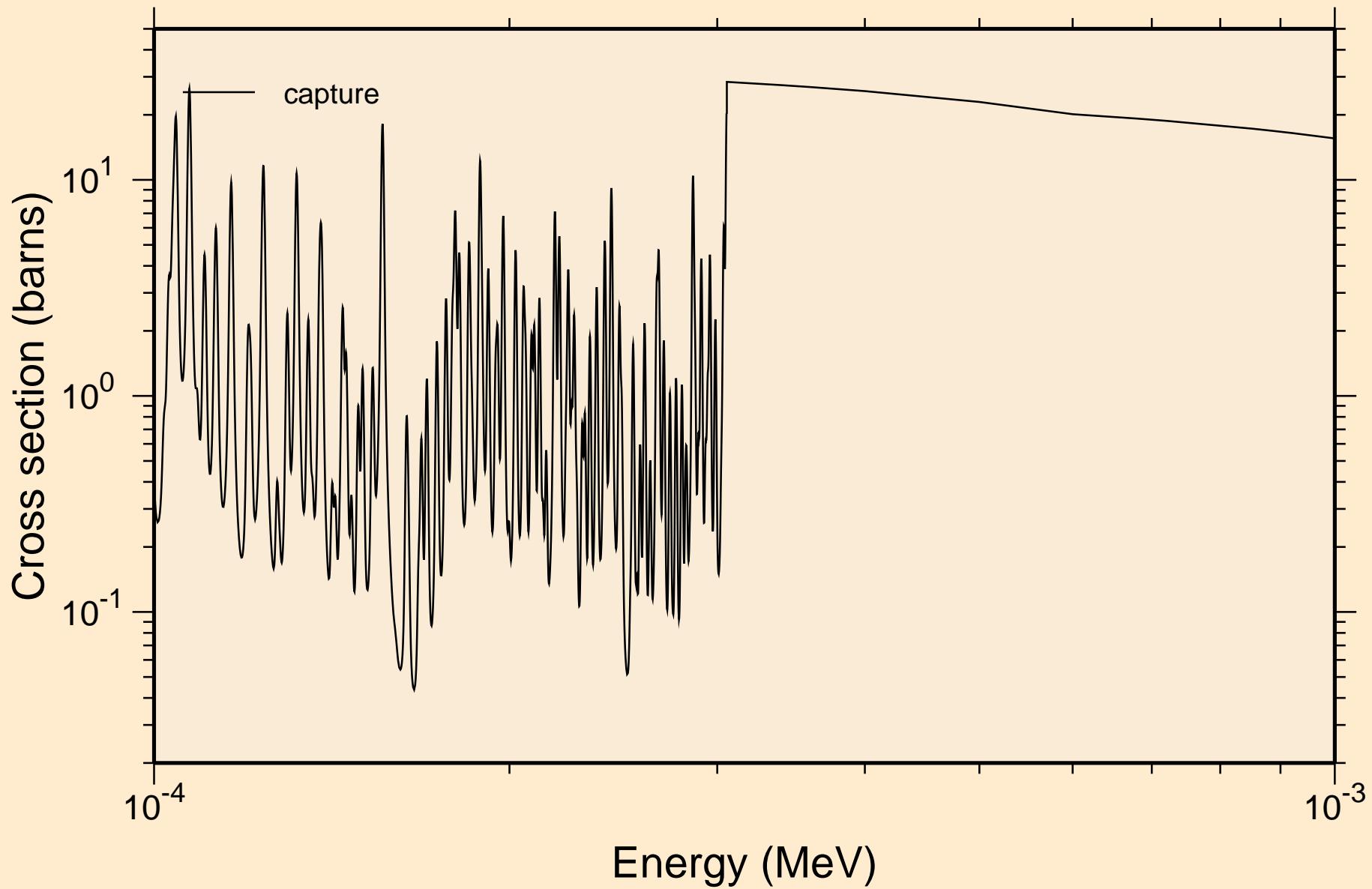
# CS123M NRG TENDL-2015, AKONING resonance absorption cross sections



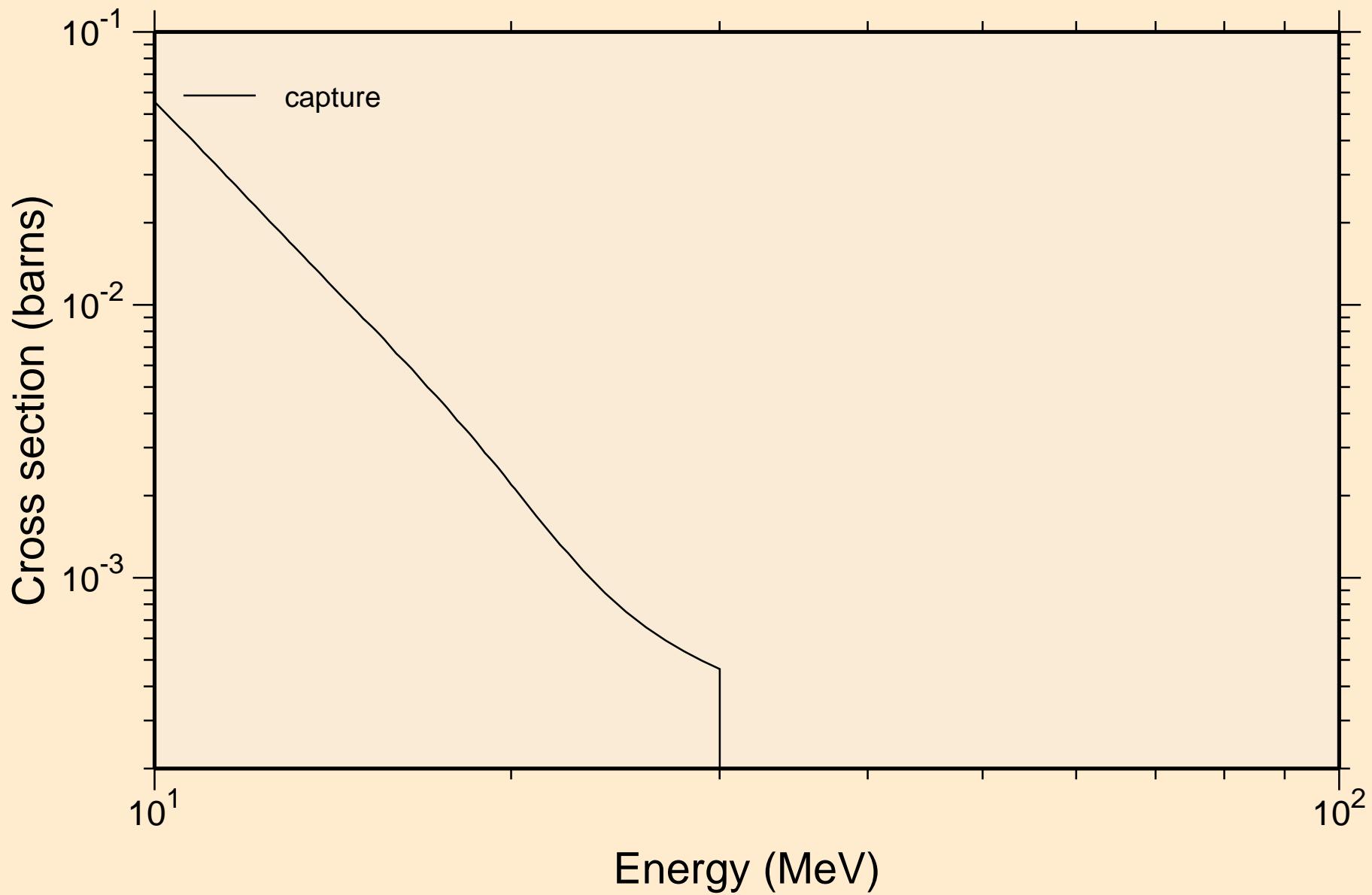
# CS123M NRG TENDL-2015, AKONING resonance absorption cross sections



CS123M NRG TENDL-2015, AKONING  
resonance absorption cross sections

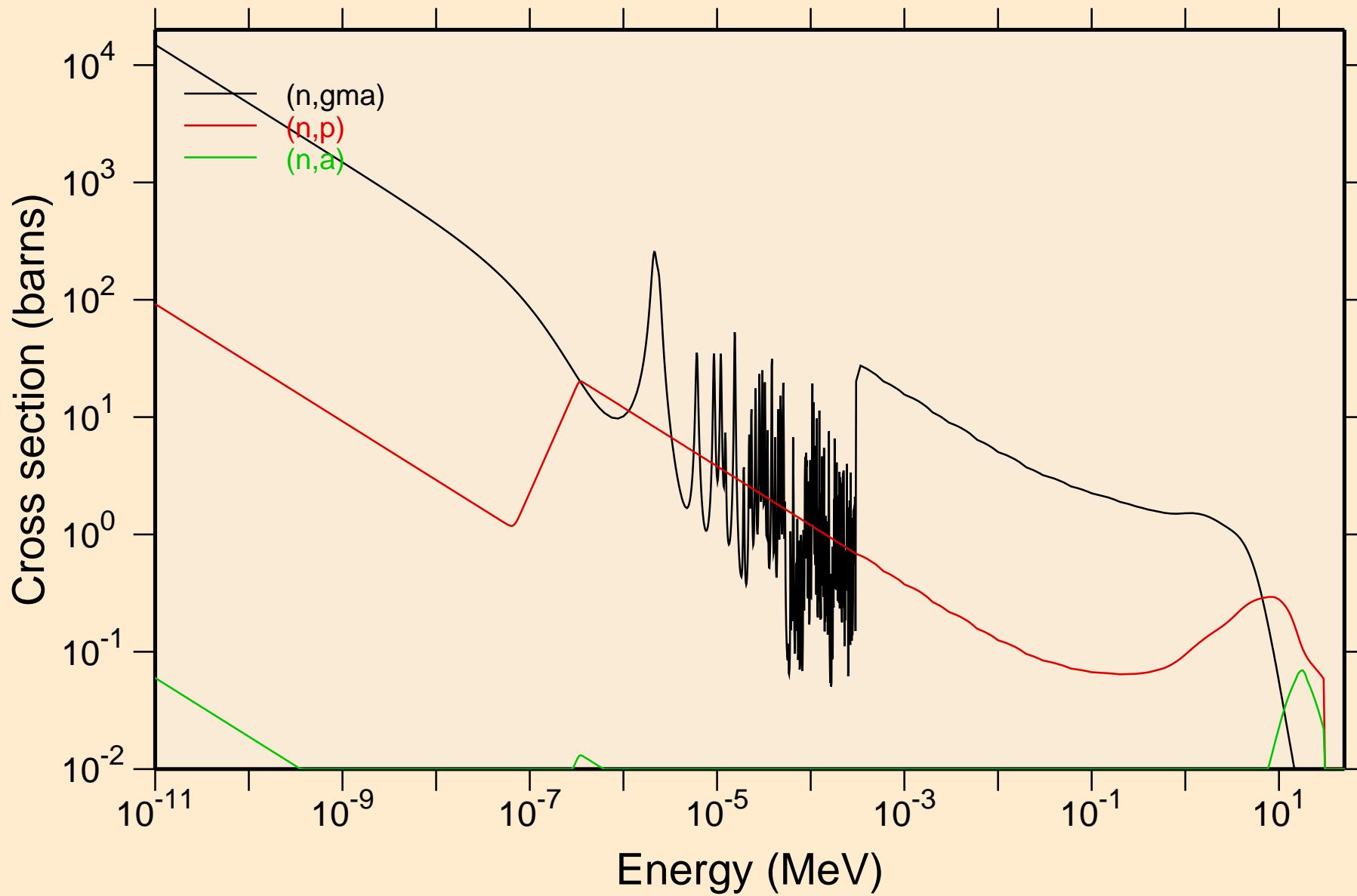


# CS123M NRG TENDL-2015, AKONING resonance absorption cross sections



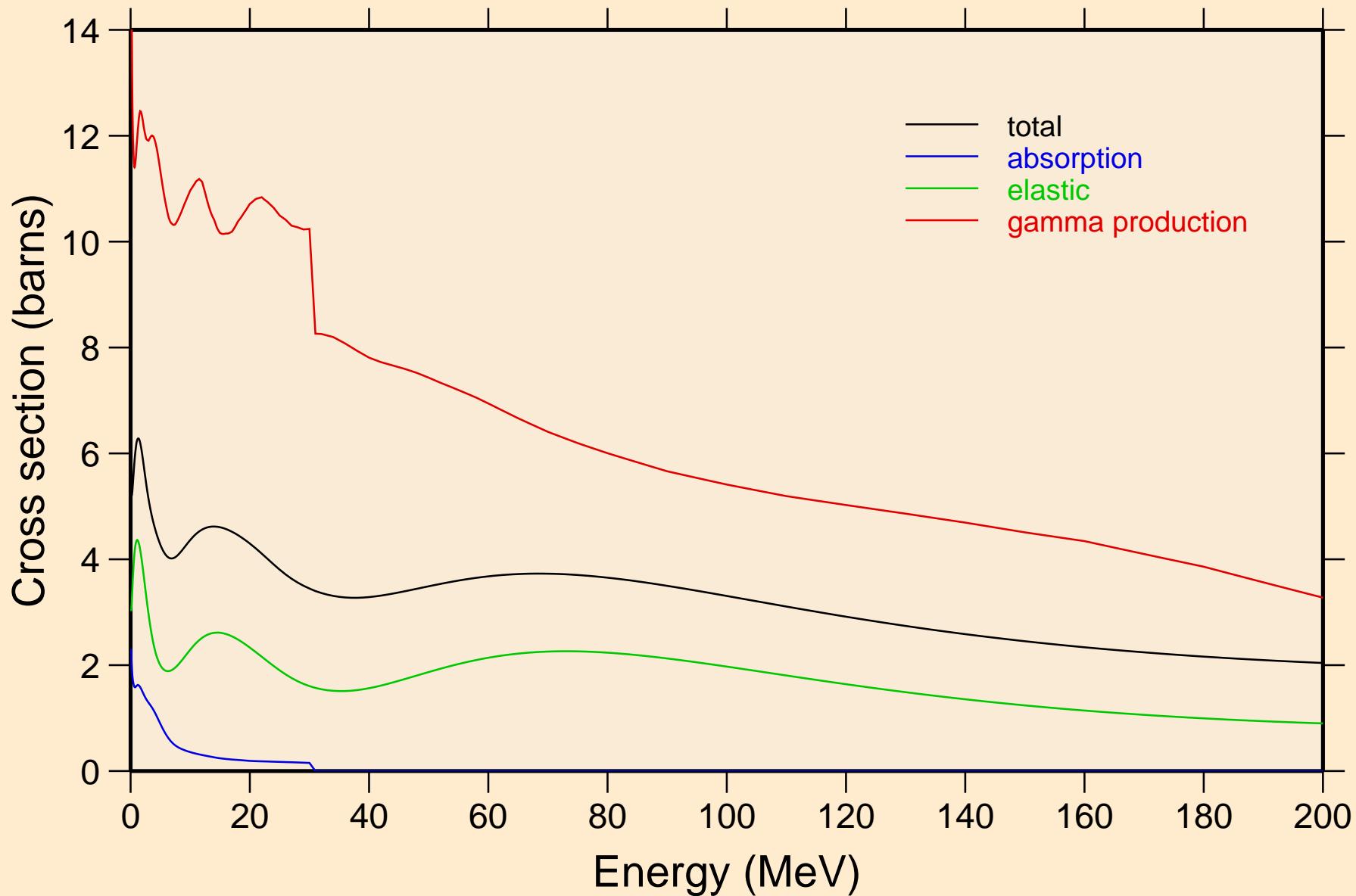
# CS123M NRG TENDL-2015, AKONING

## Non-threshold reactions



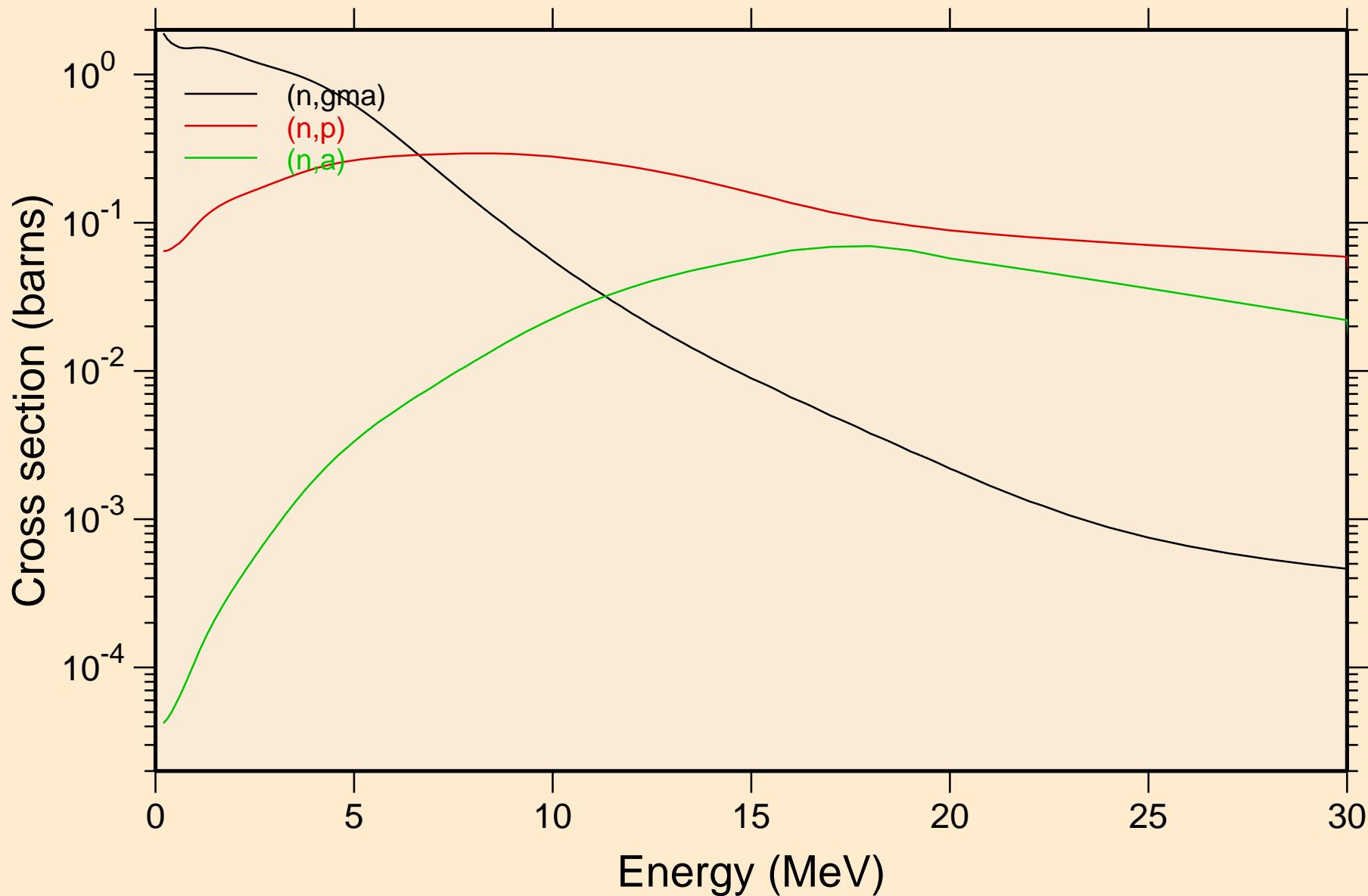
# CS123M NRG TENDL-2015, AKONING

## Principal cross sections



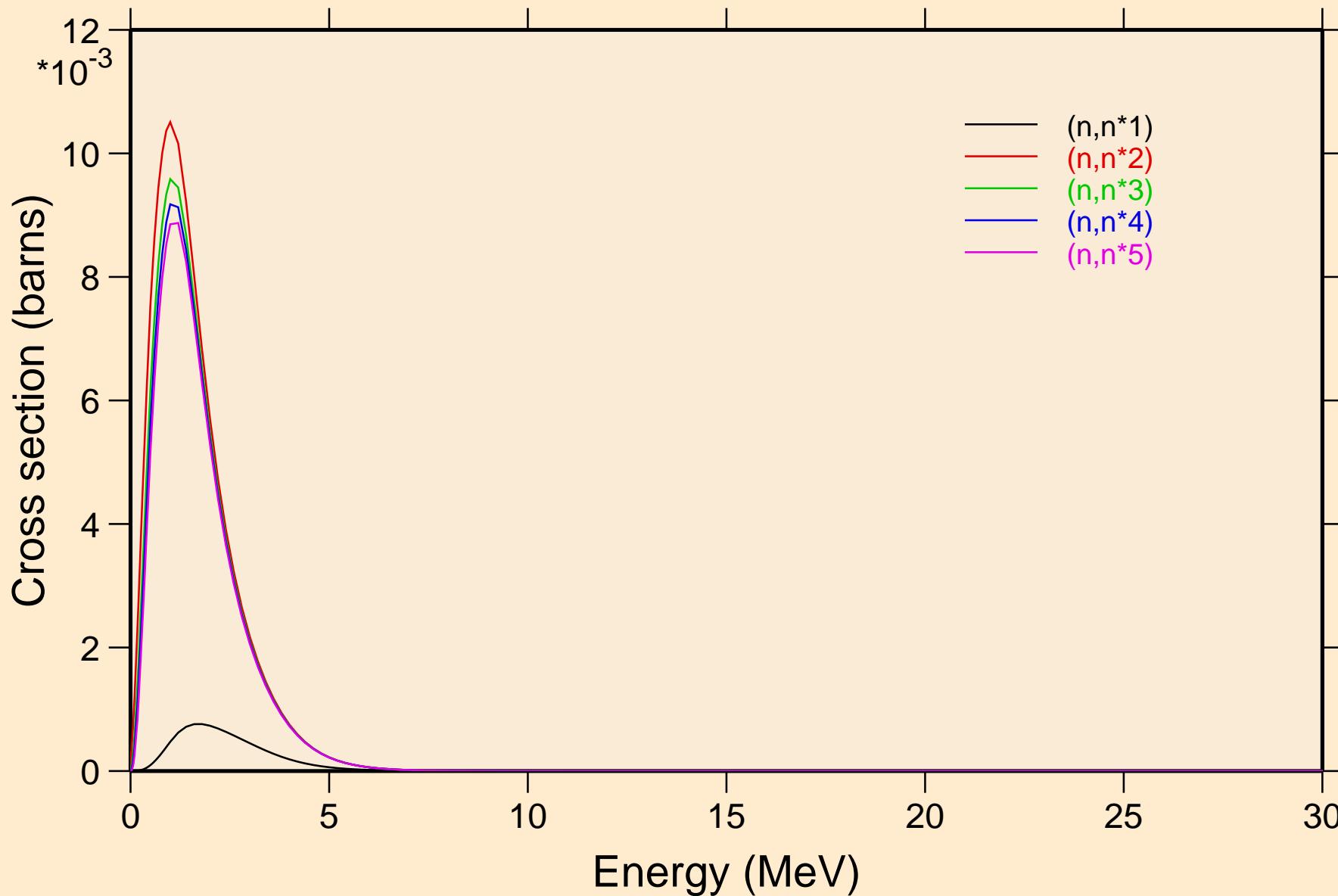
# CS123M NRG TENDL-2015, AKONING

## Non-threshold reactions



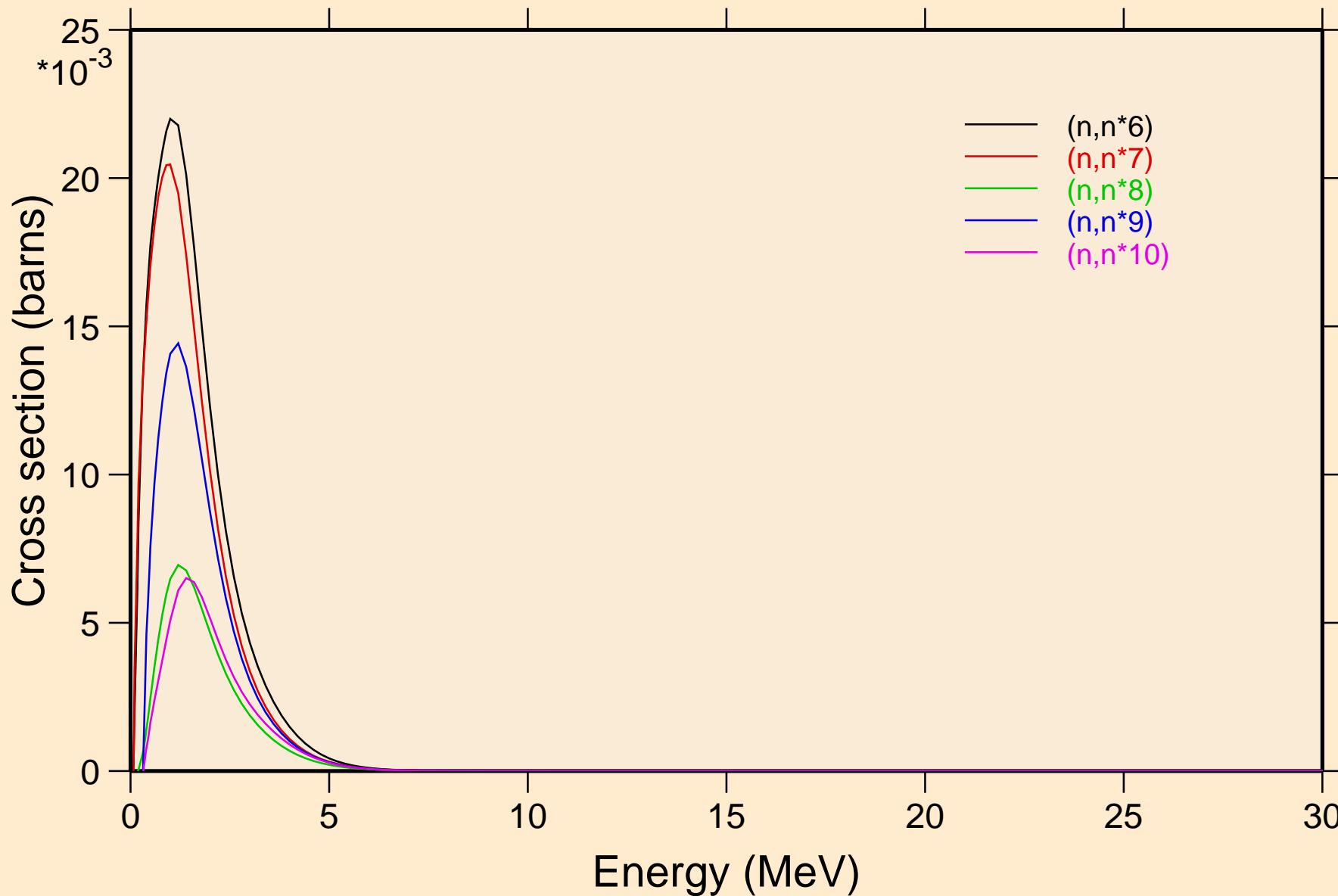
# CS123M NRG TENDL-2015, AKONING

## Inelastic levels



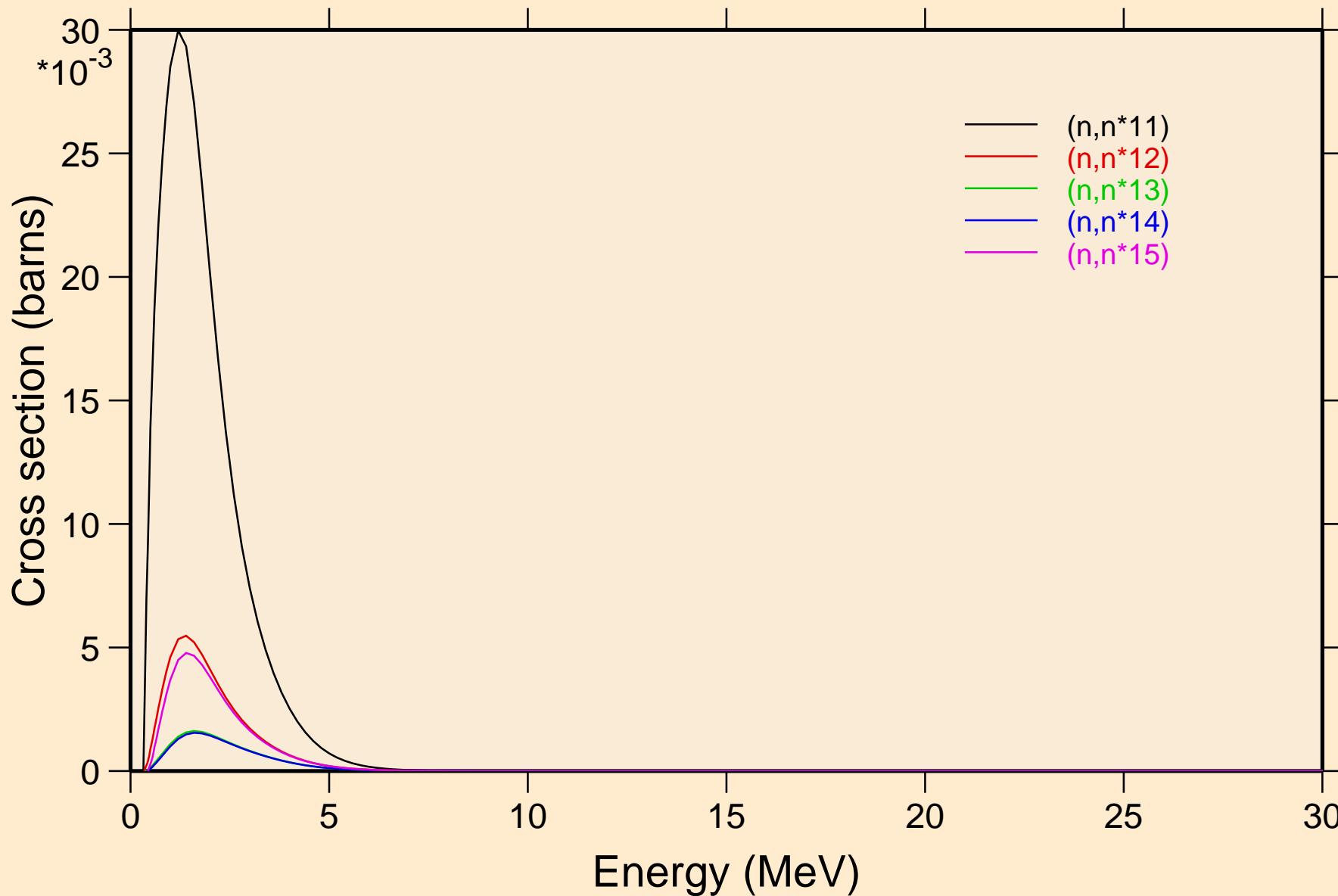
# CS123M NRG TENDL-2015, AKONING

## Inelastic levels



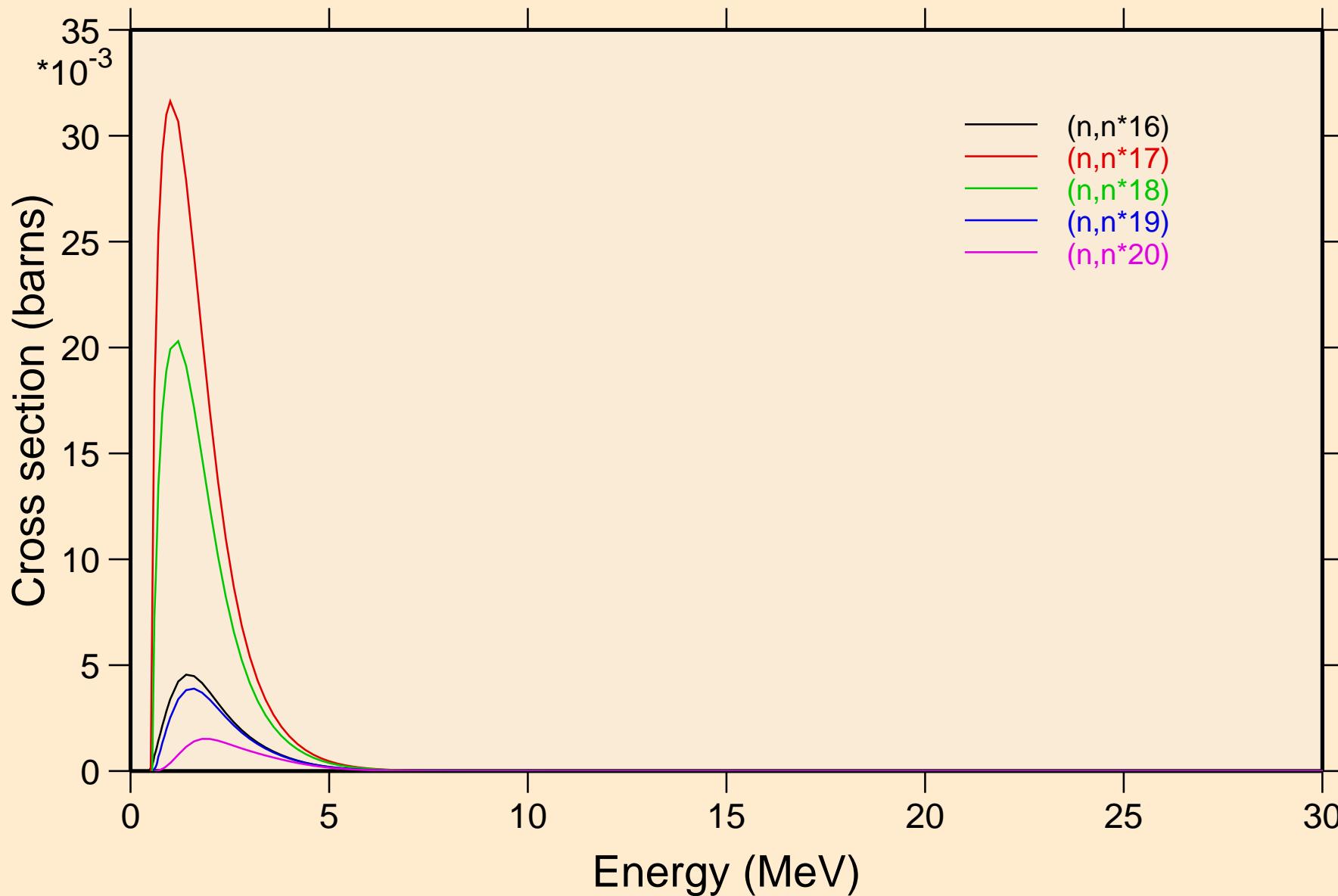
# CS123M NRG TENDL-2015, AKONING

## Inelastic levels



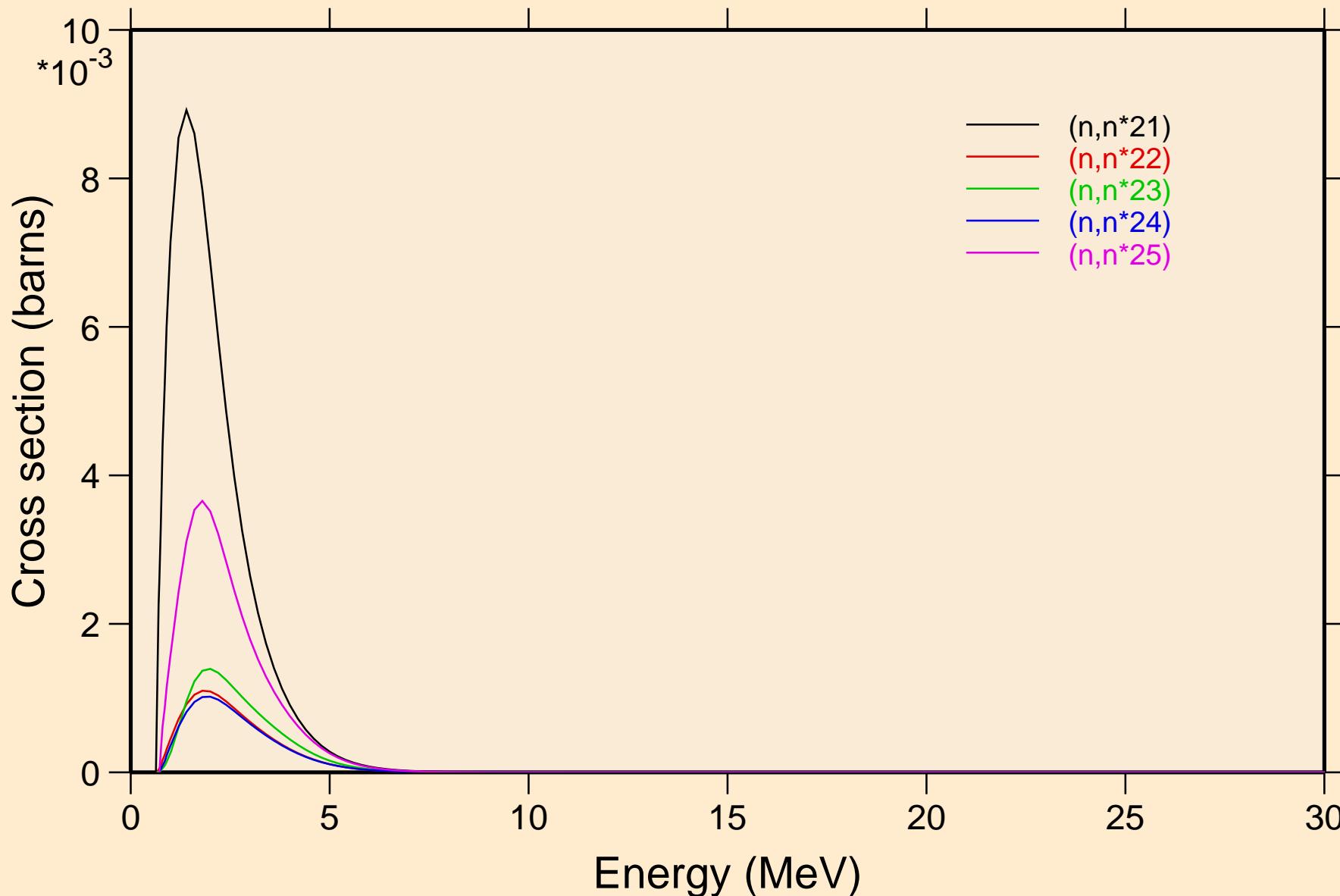
# CS123M NRG TENDL-2015, AKONING

## Inelastic levels



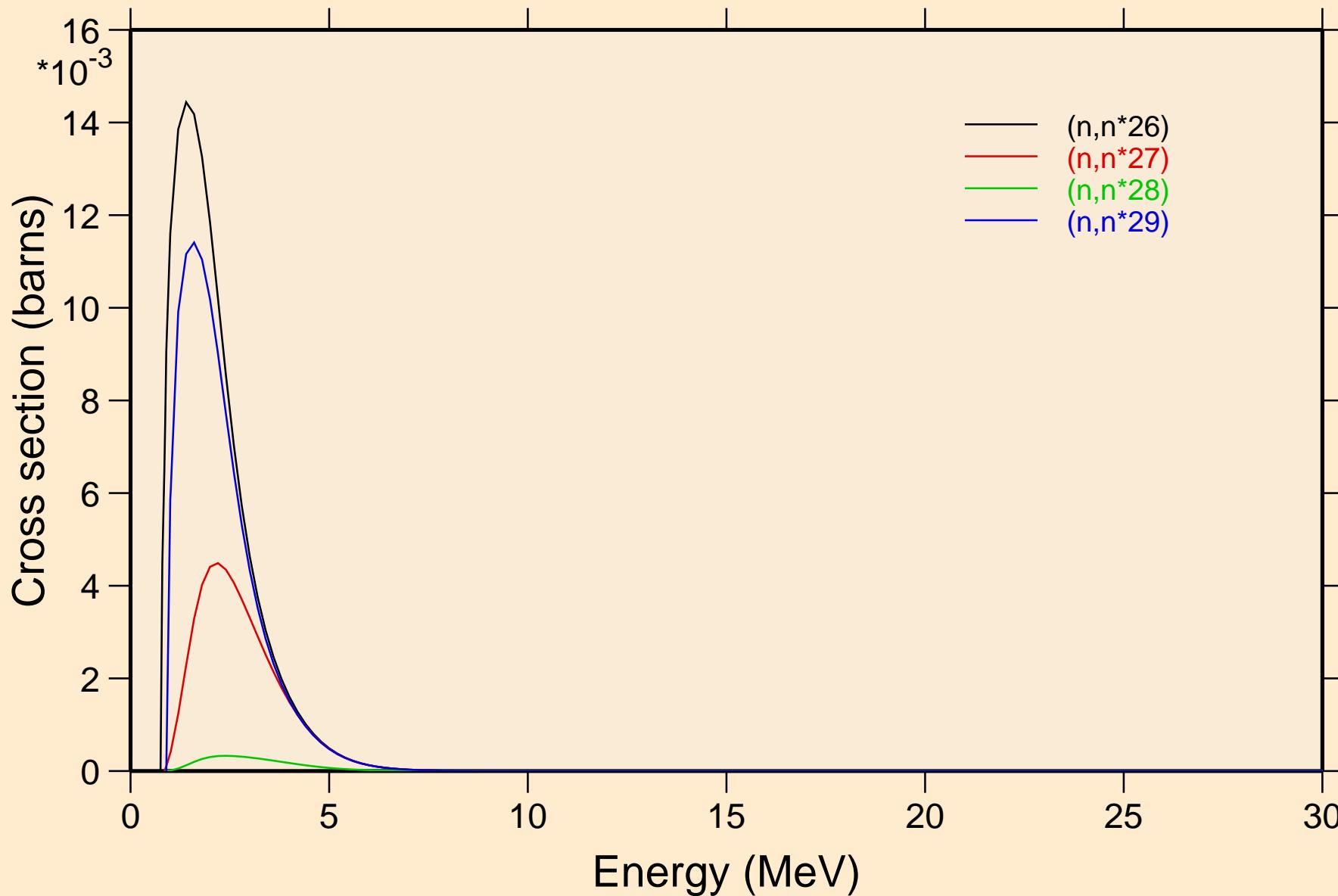
# CS123M NRG TENDL-2015, AKONING

## Inelastic levels



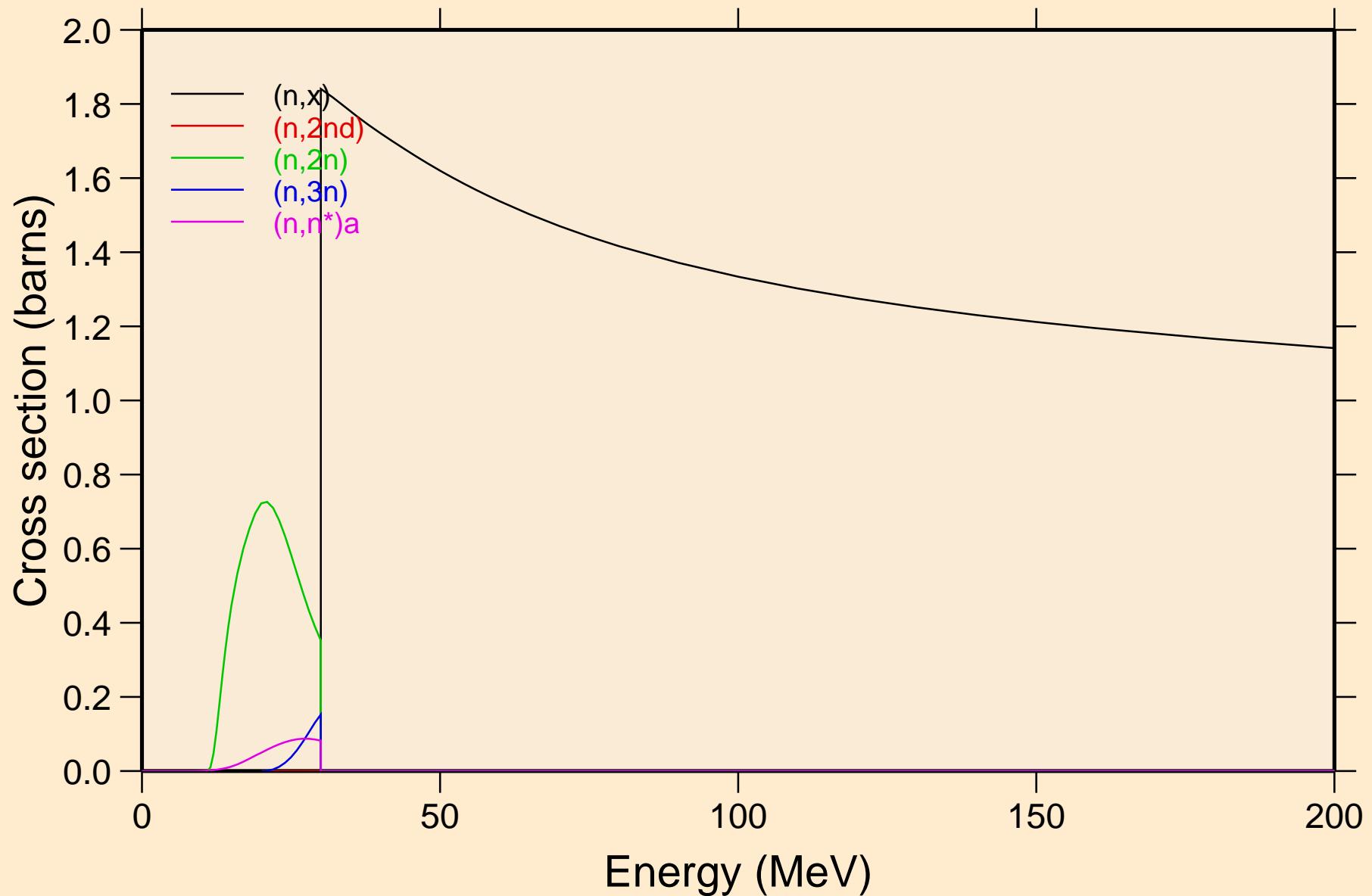
# CS123M NRG TENDL-2015, AKONING

## Inelastic levels



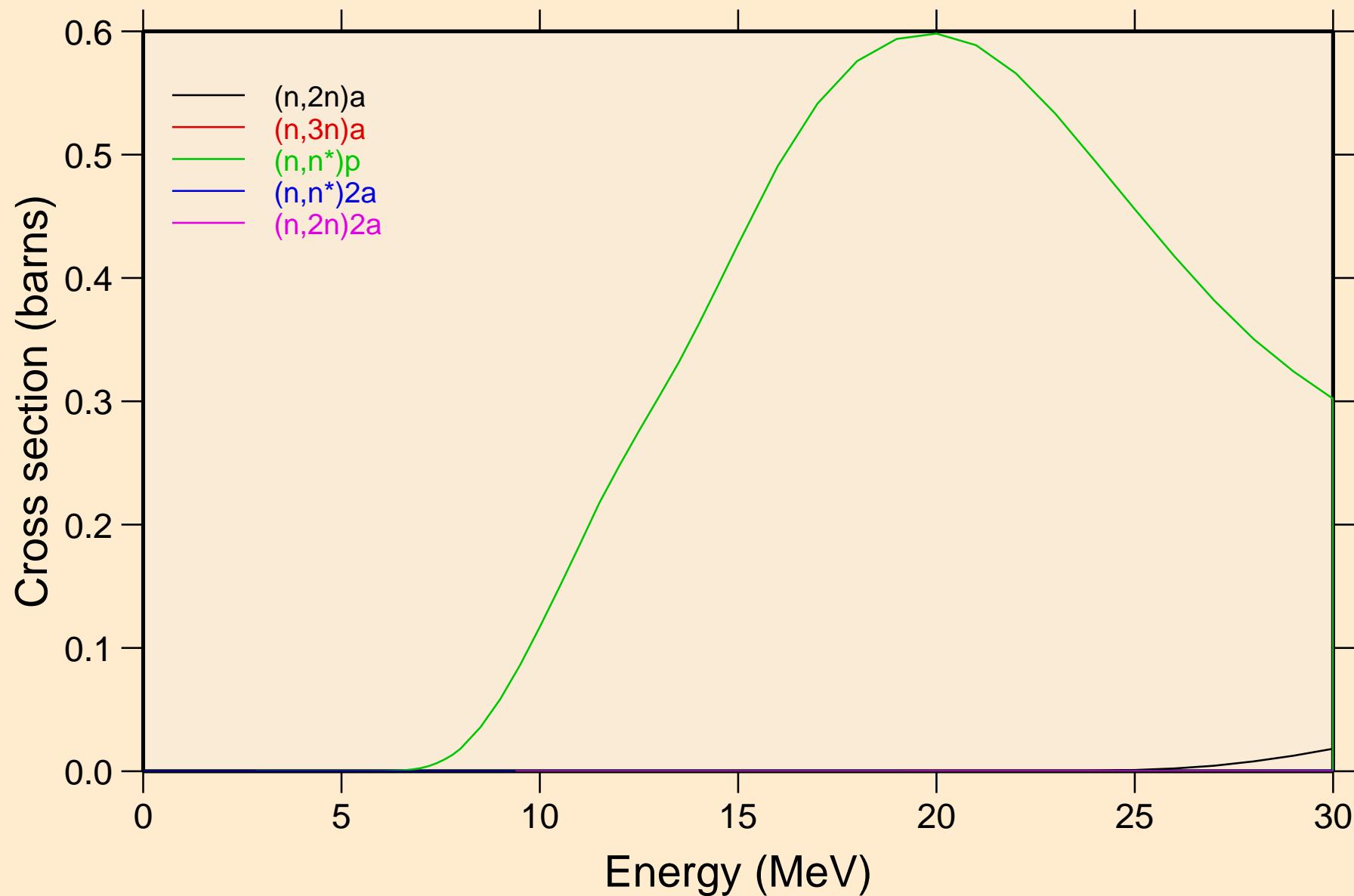
# CS123M NRG TENDL-2015, AKONING

## Threshold reactions



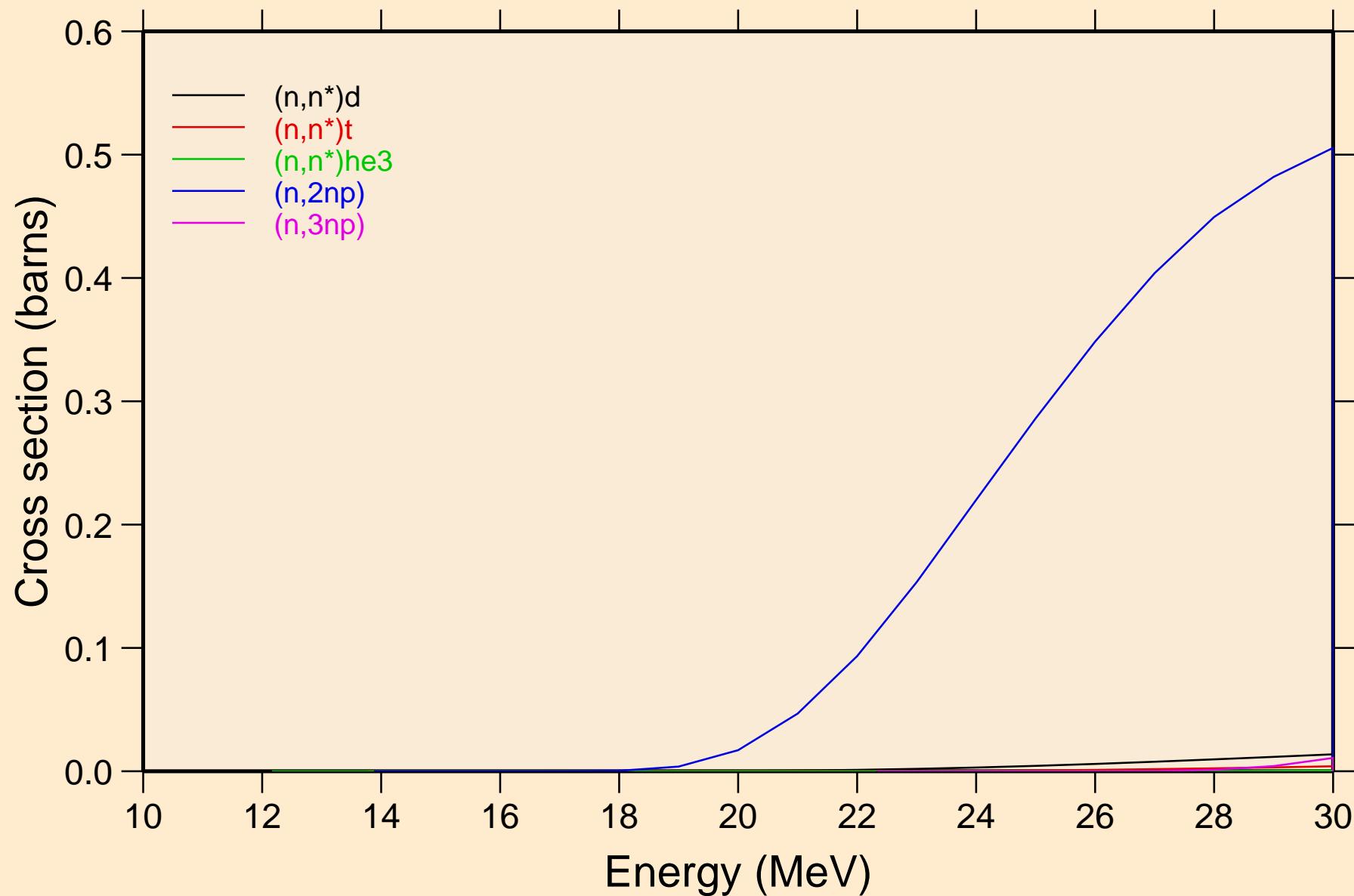
# CS123M NRG TENDL-2015, AKONING

## Threshold reactions



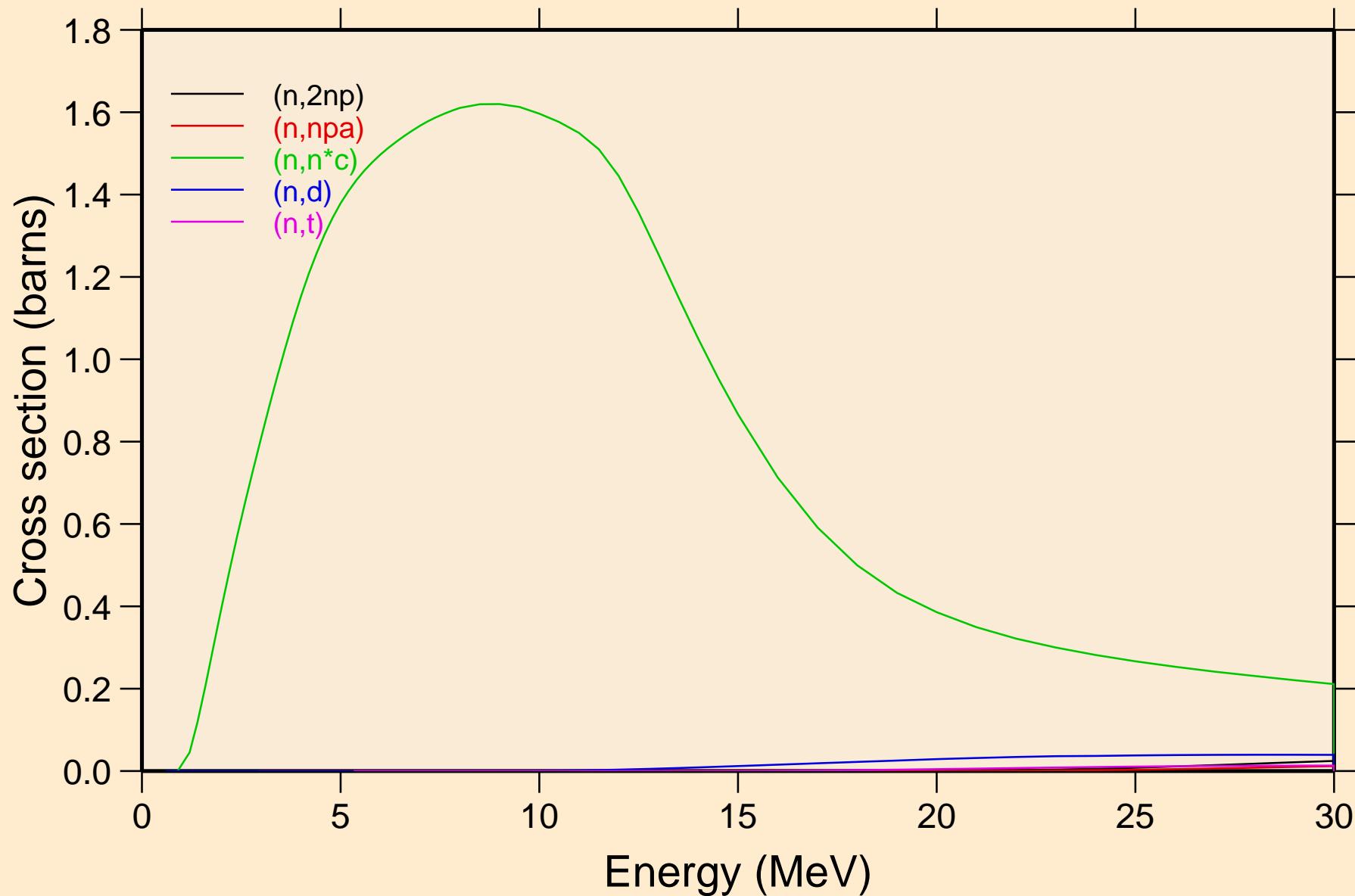
# CS123M NRG TENDL-2015, AKONING

## Threshold reactions



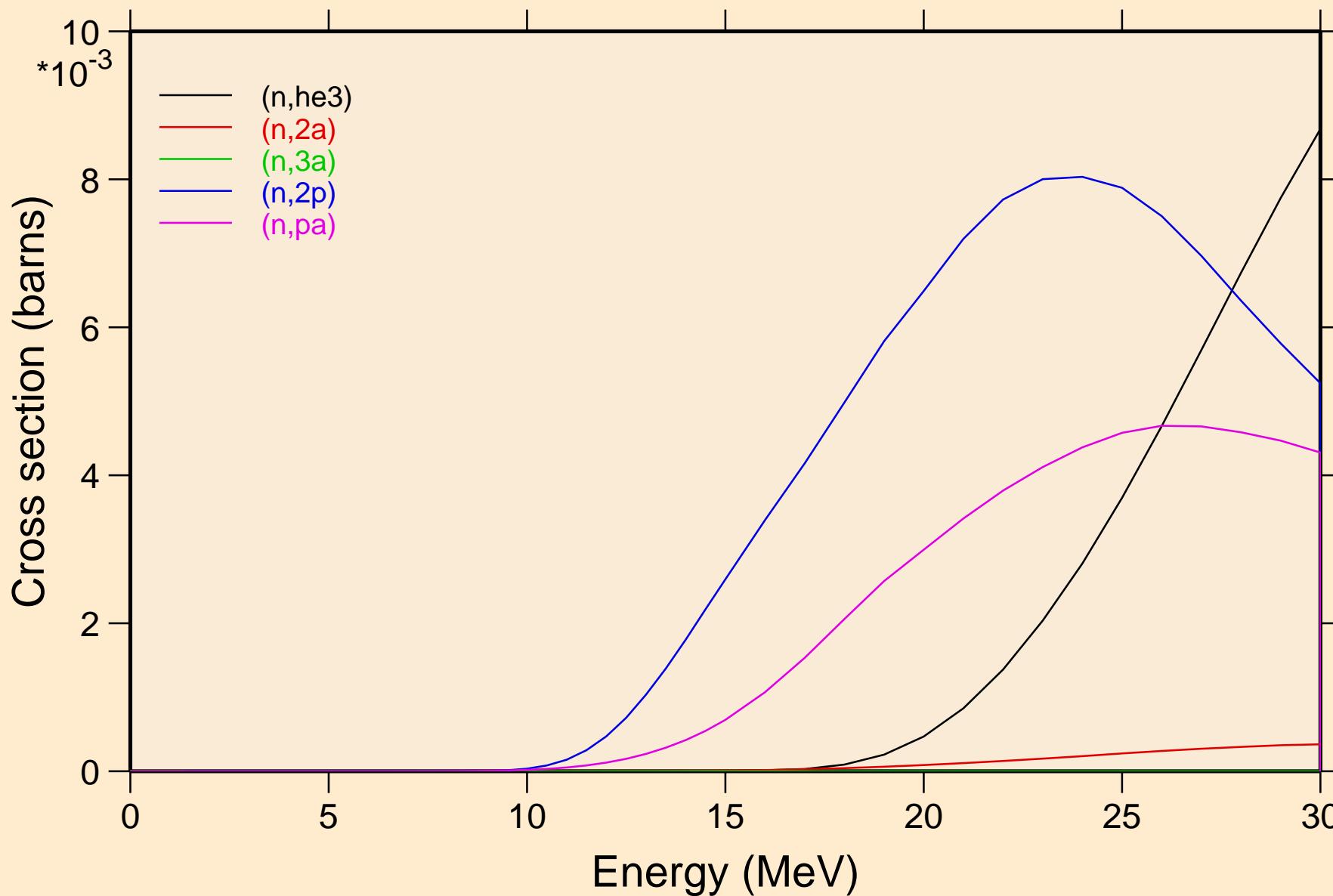
# CS123M NRG TENDL-2015, AKONING

## Threshold reactions



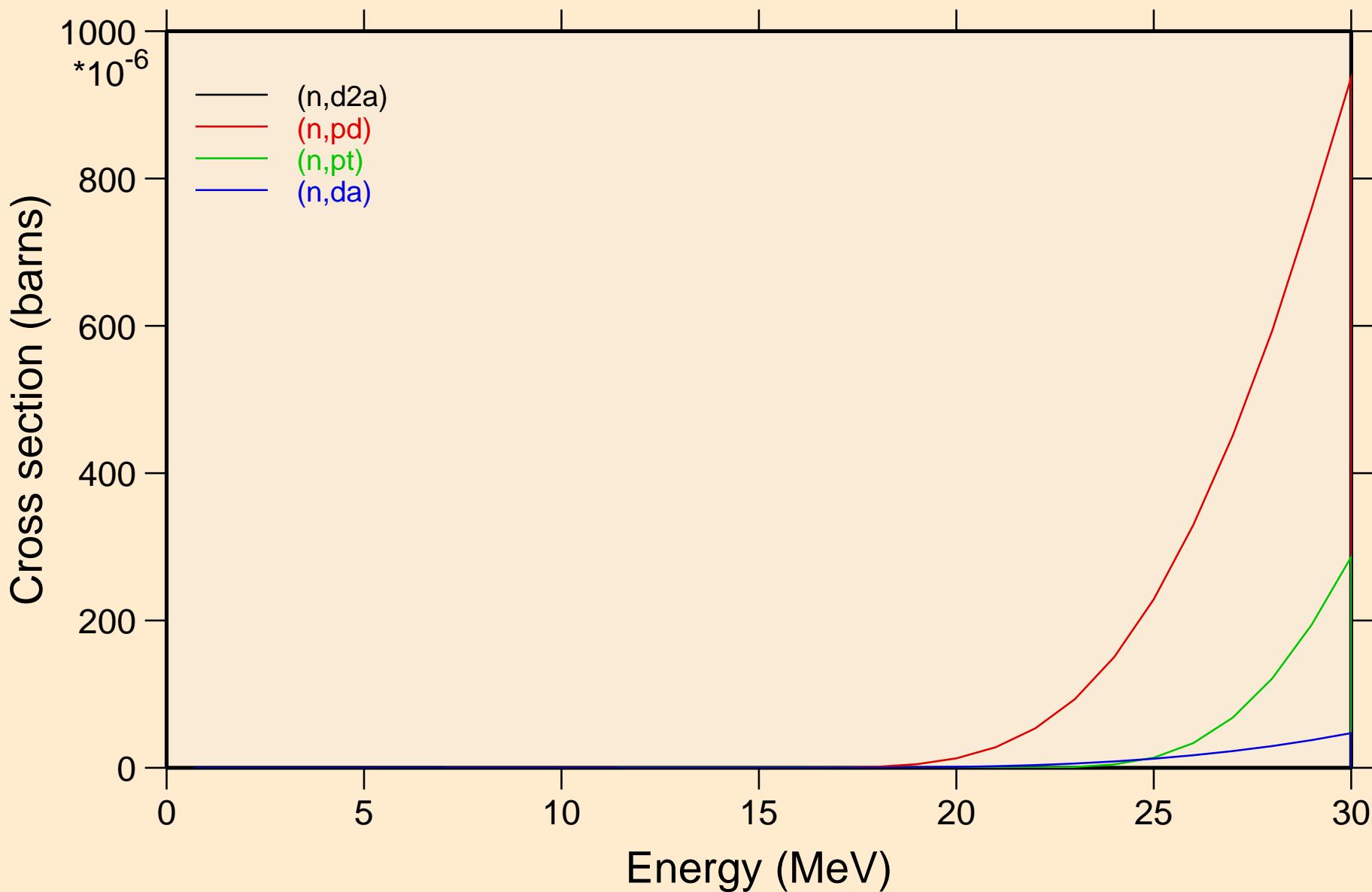
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## Threshold reactions

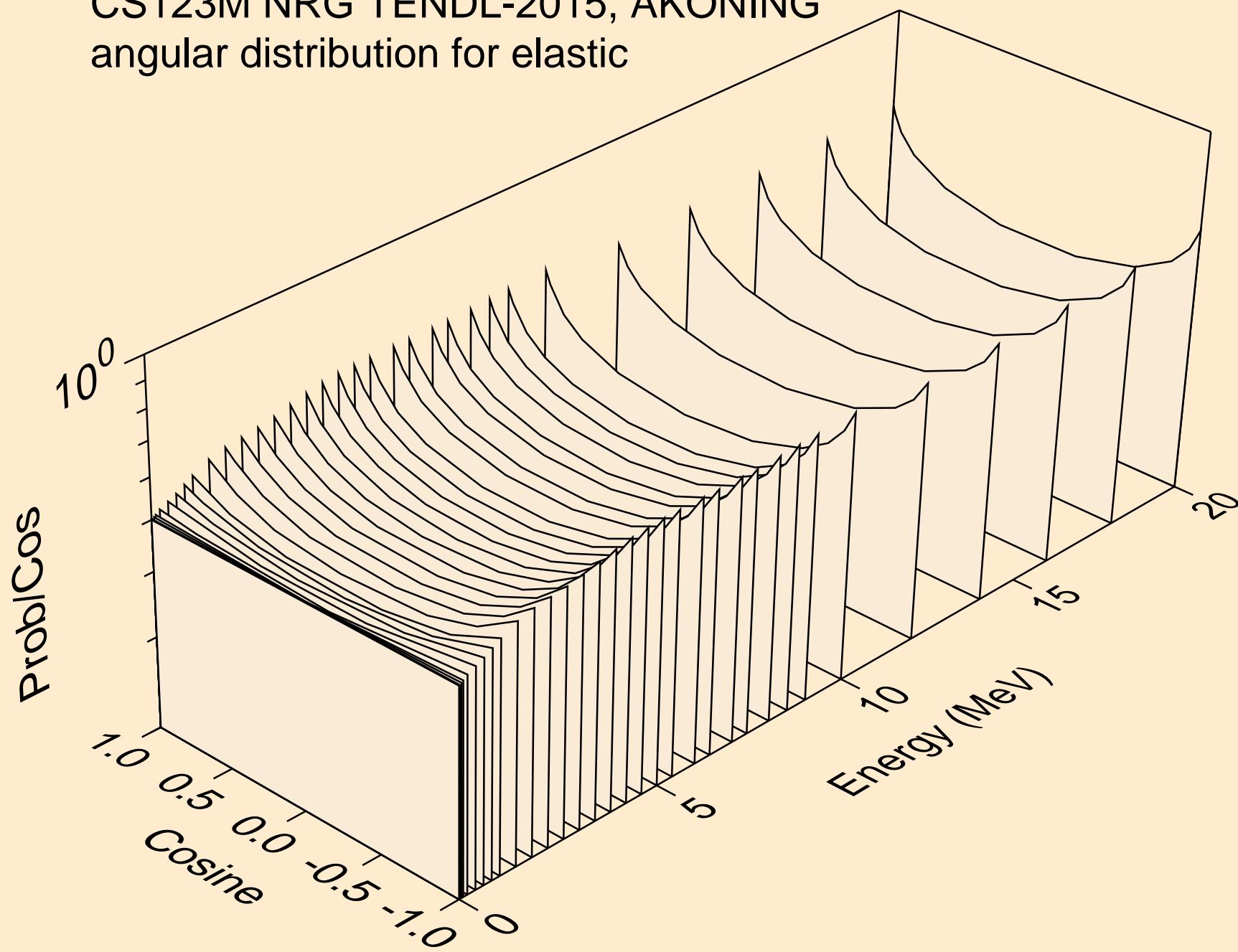


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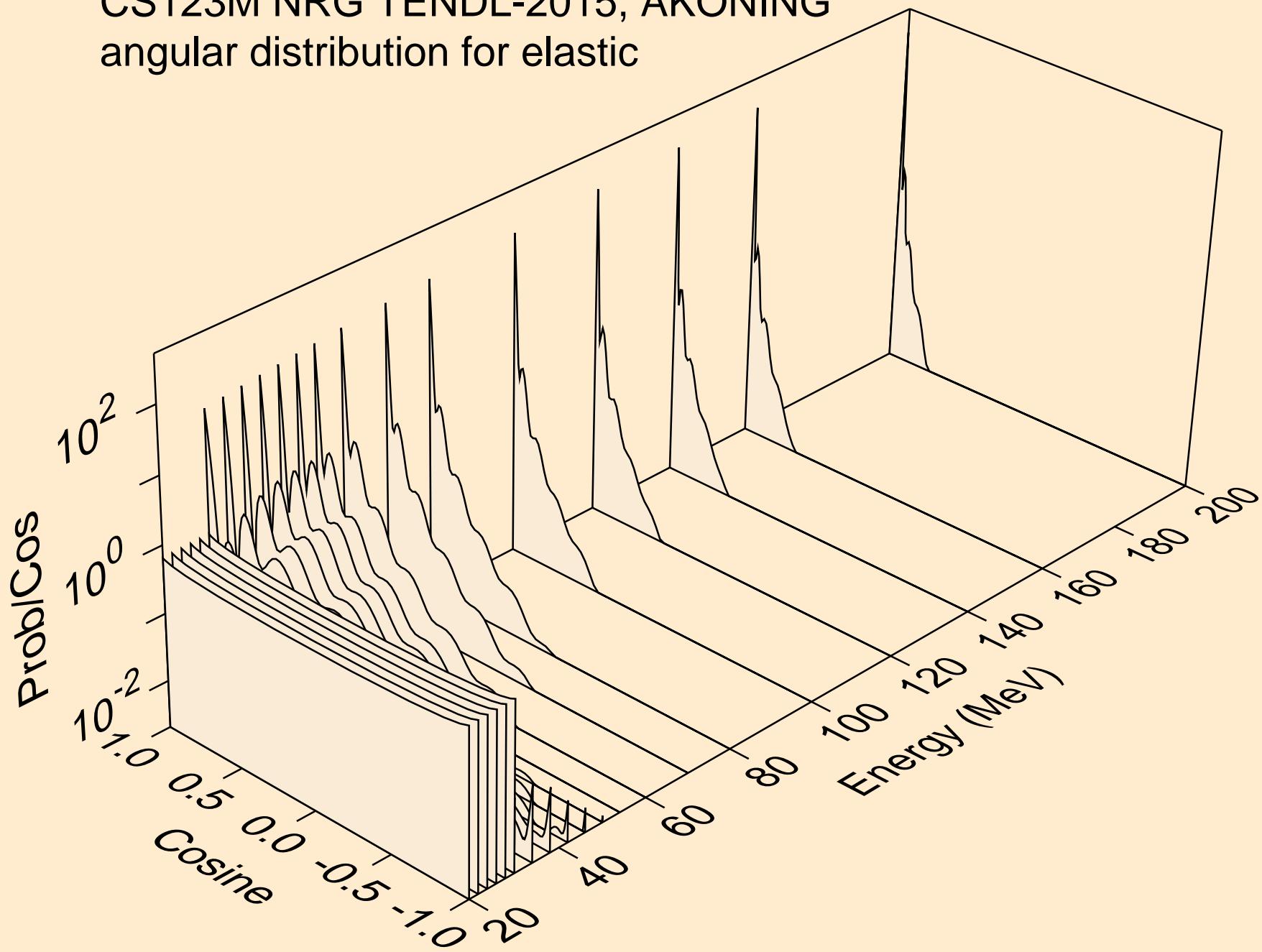
## Threshold reactions



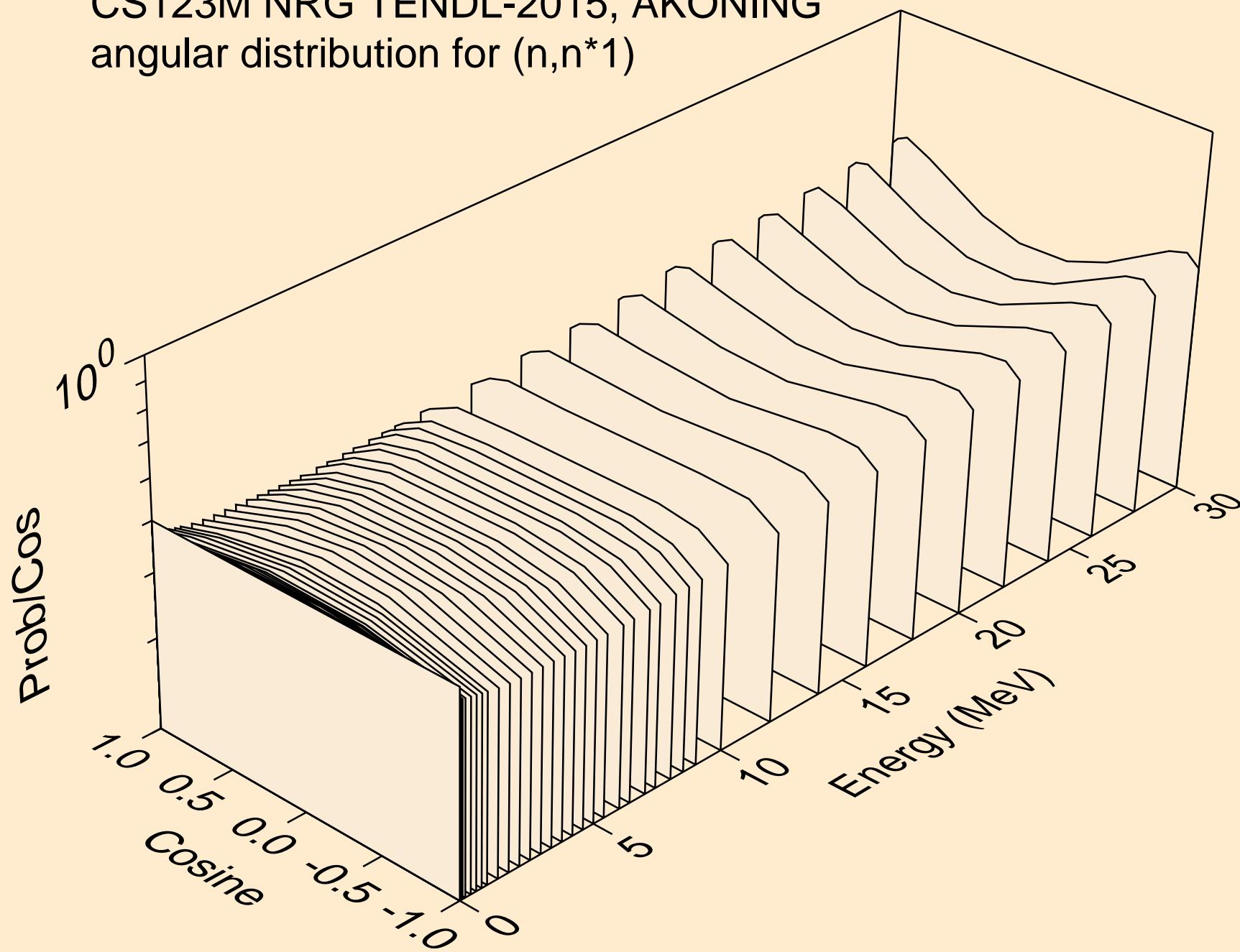
CS123M NRG TENDL-2015, AKONING  
angular distribution for elastic



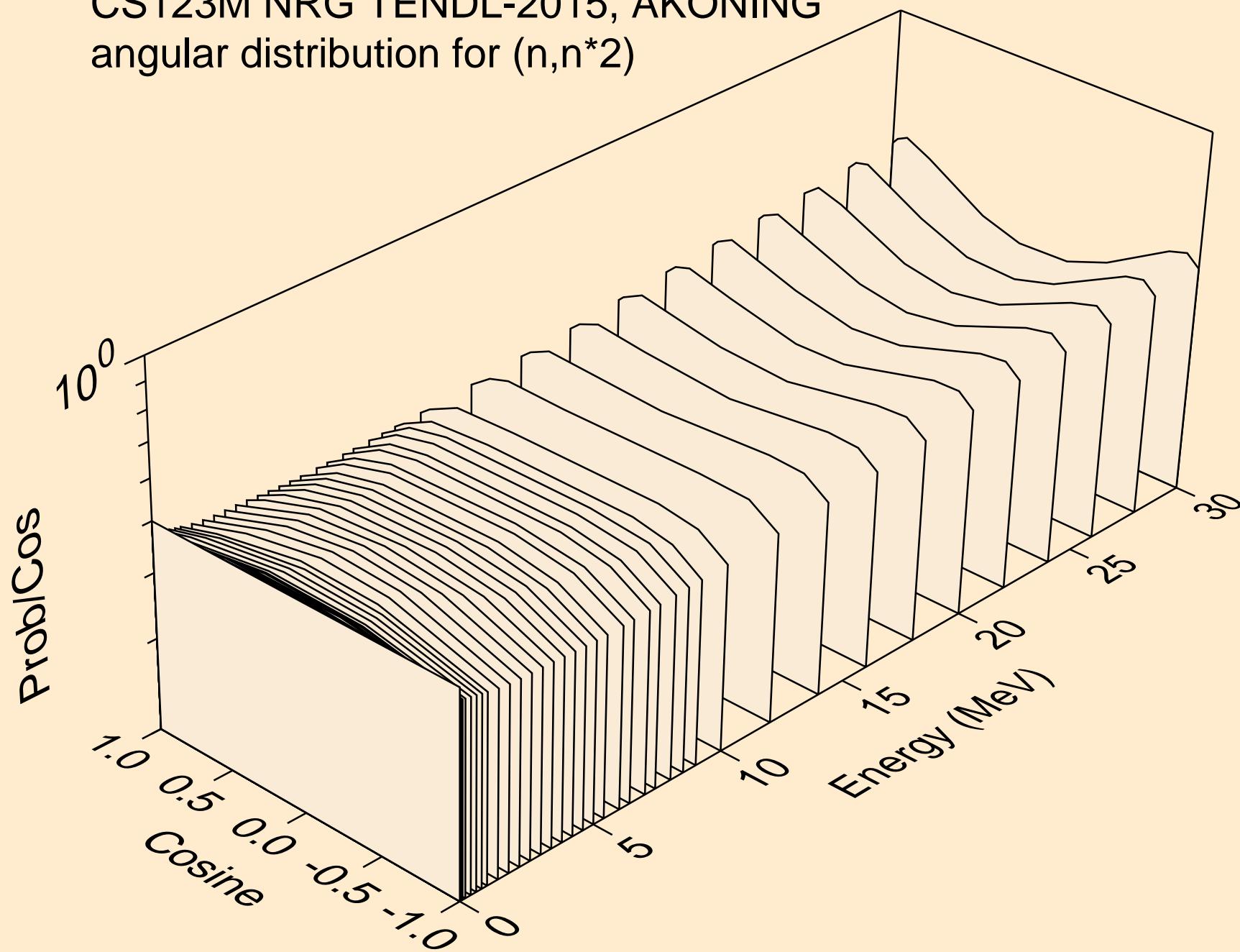
CS123M NRG TENDL-2015, AKONING  
angular distribution for elastic



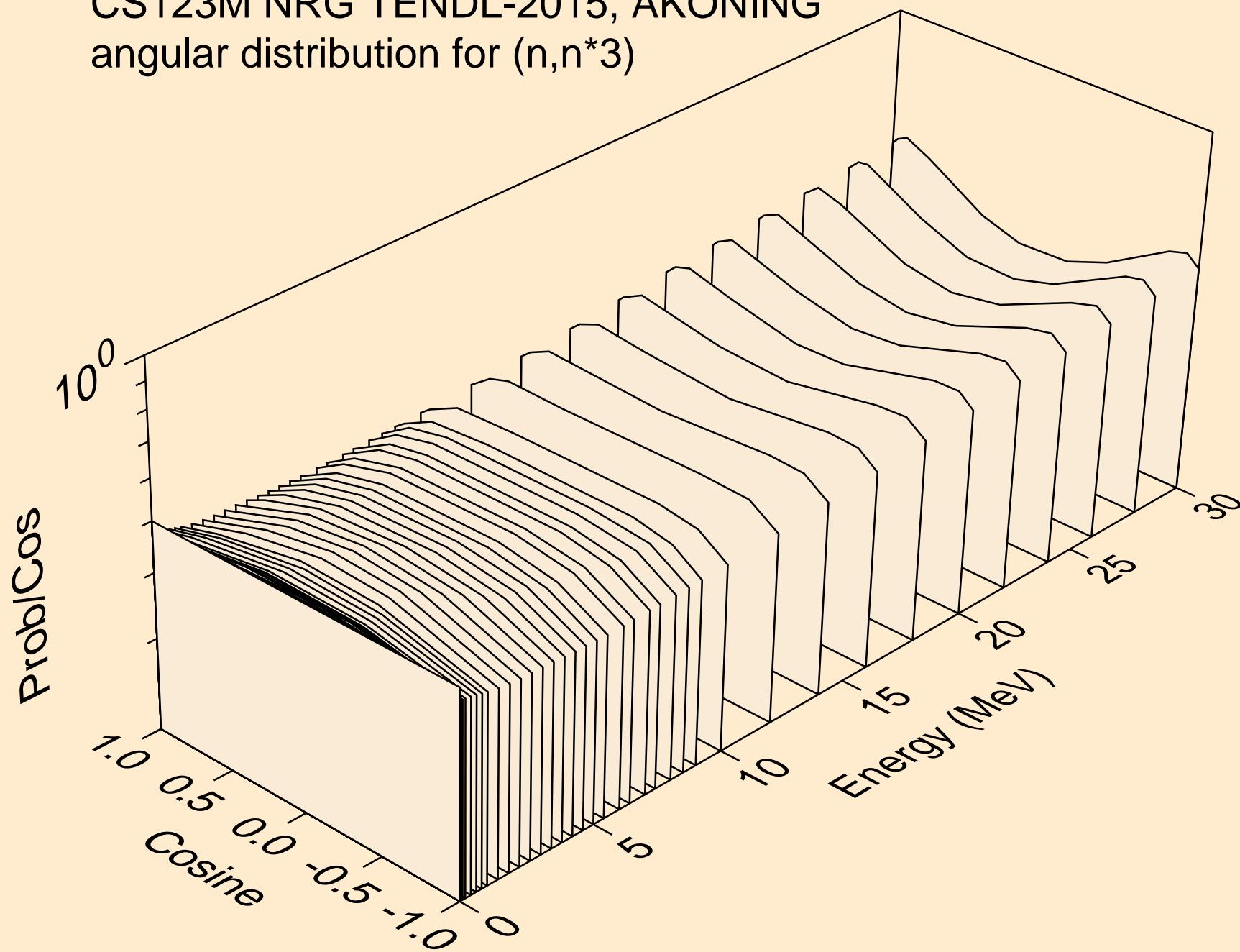
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



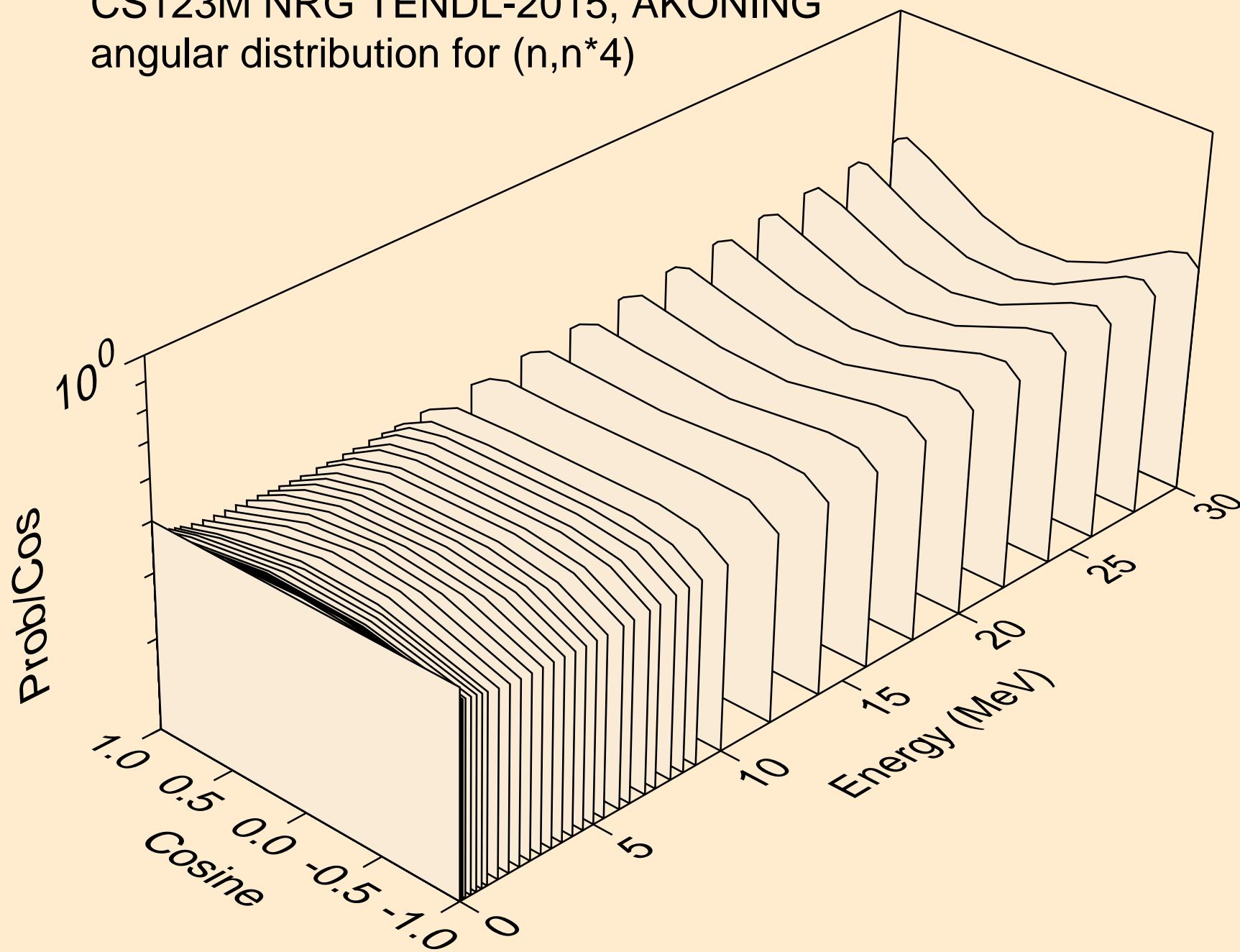
CS123M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)$



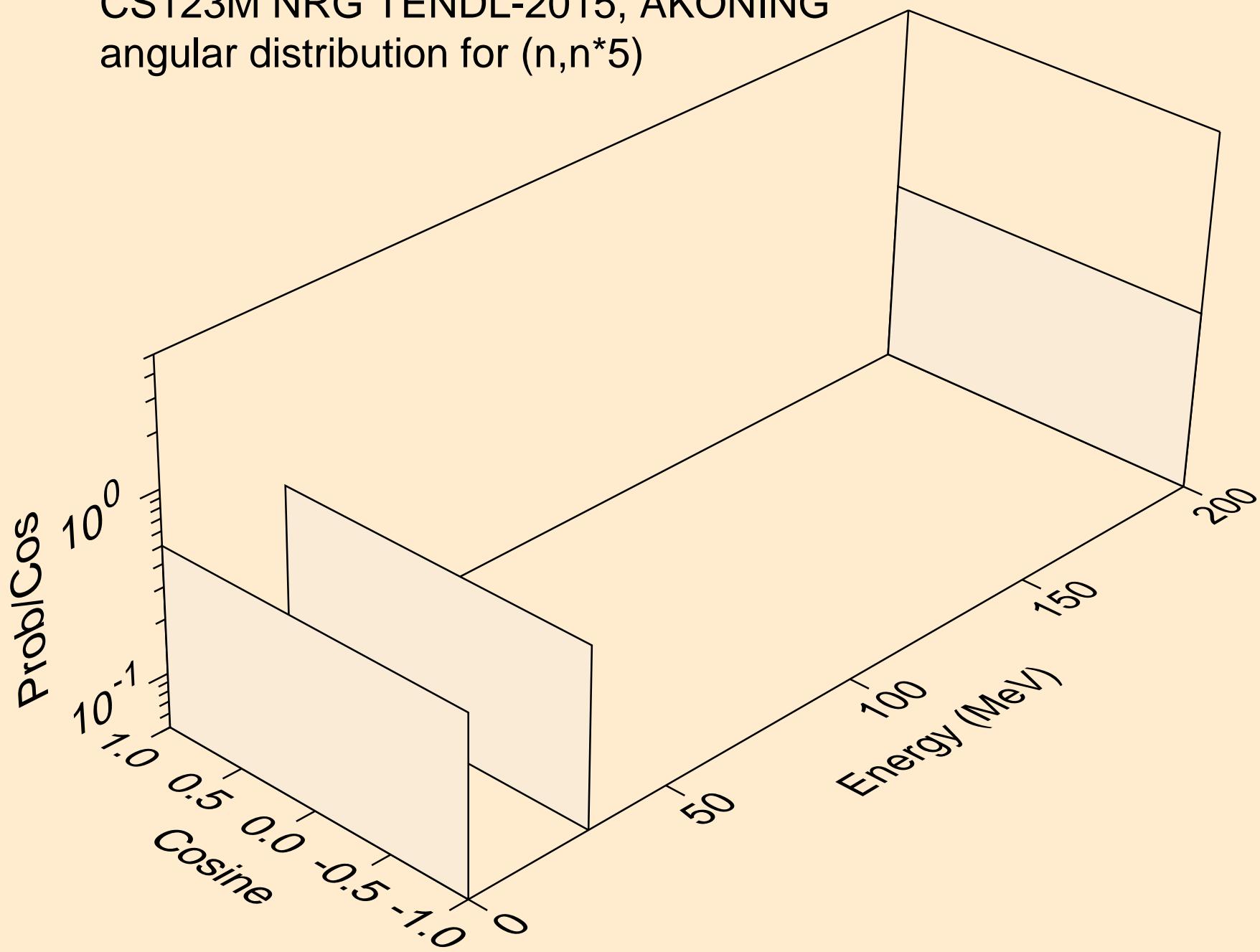
CS123M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



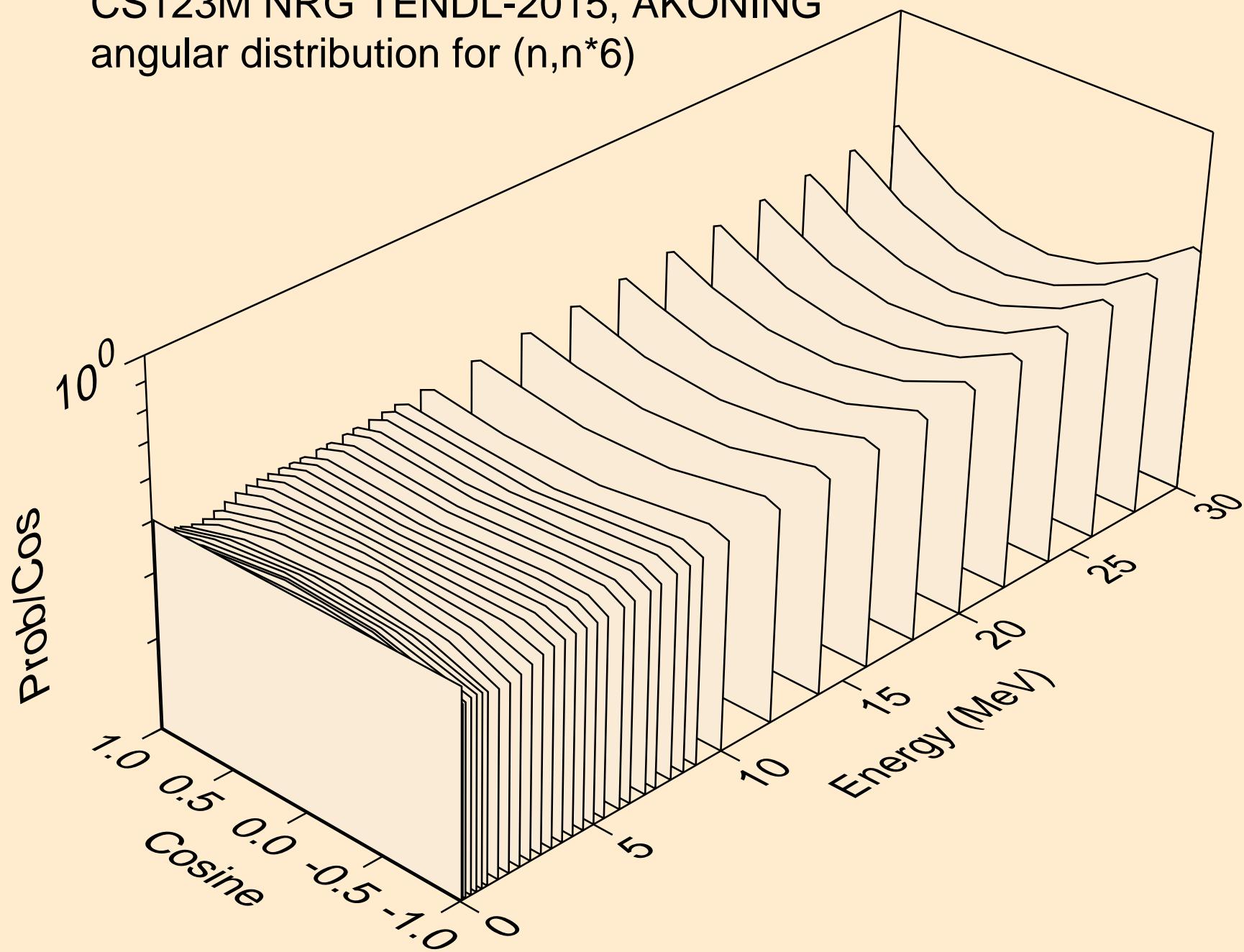
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



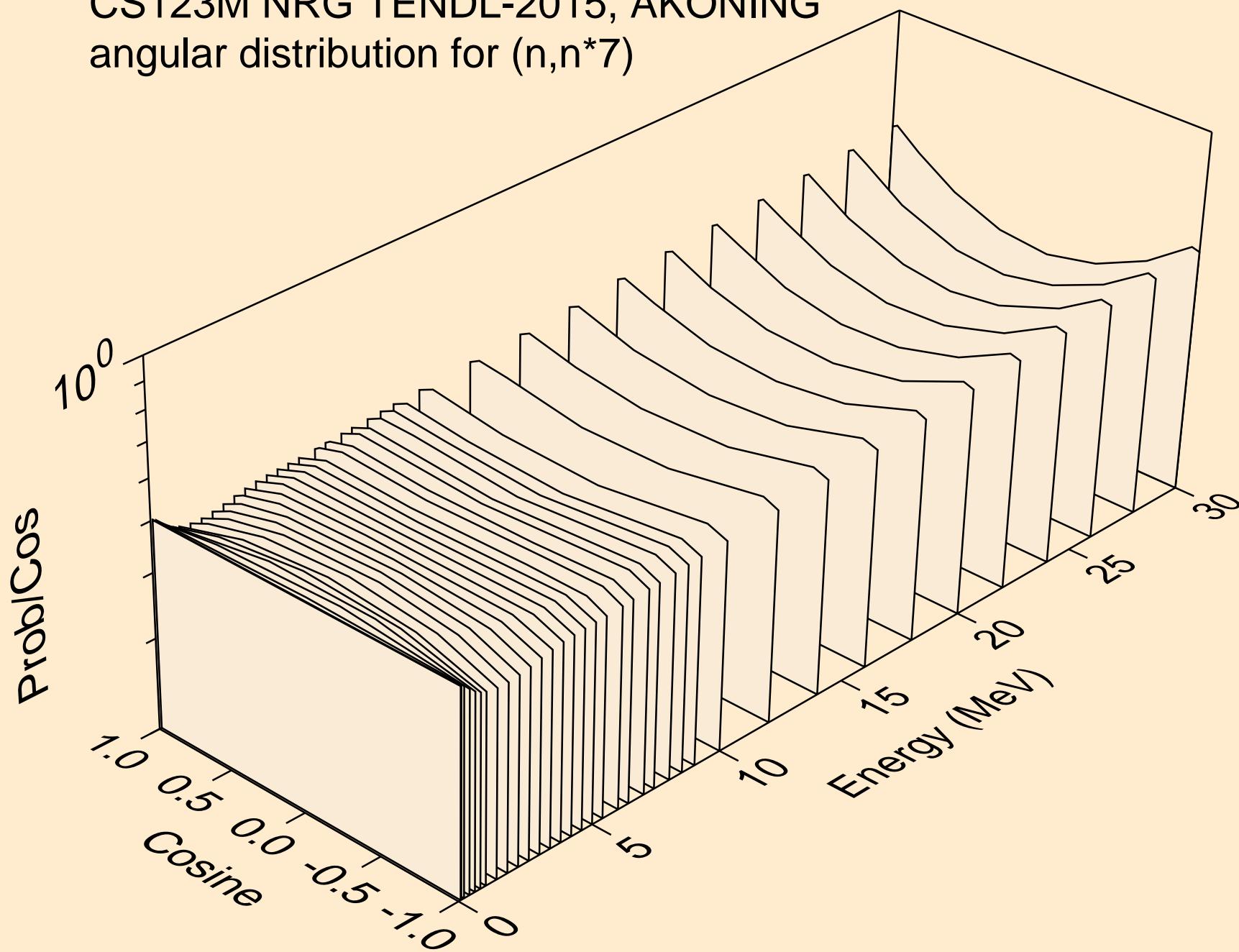
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



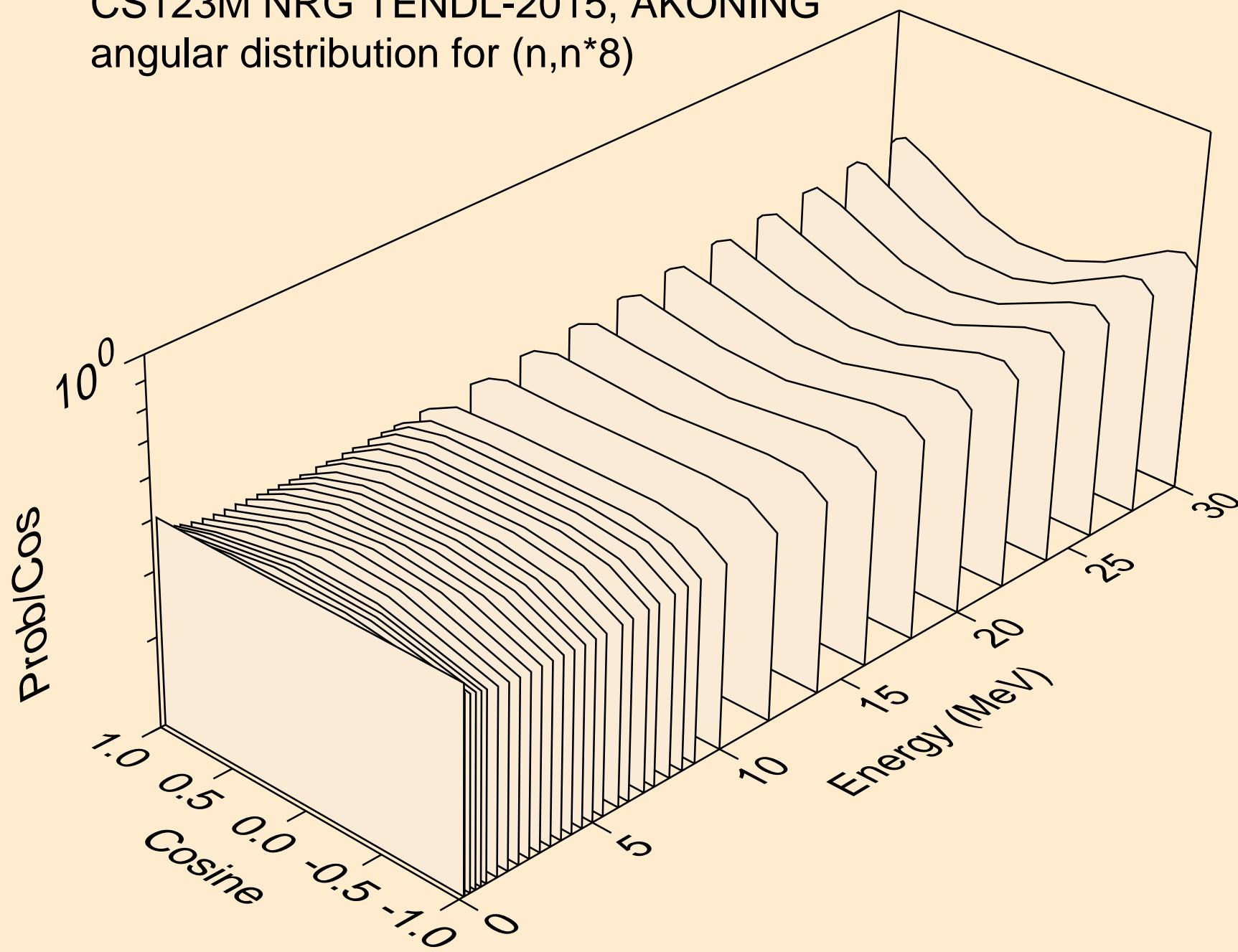
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



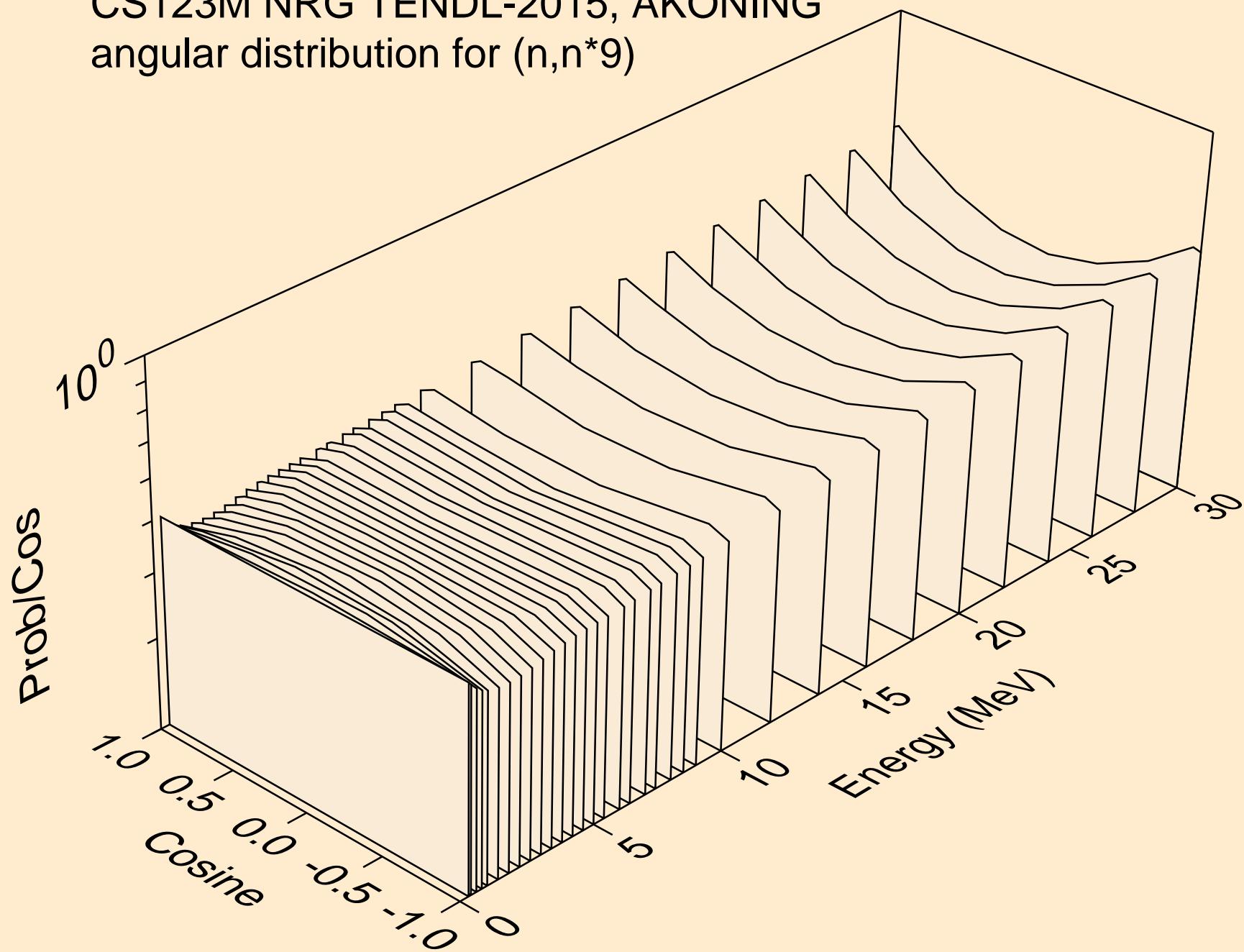
CS123M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



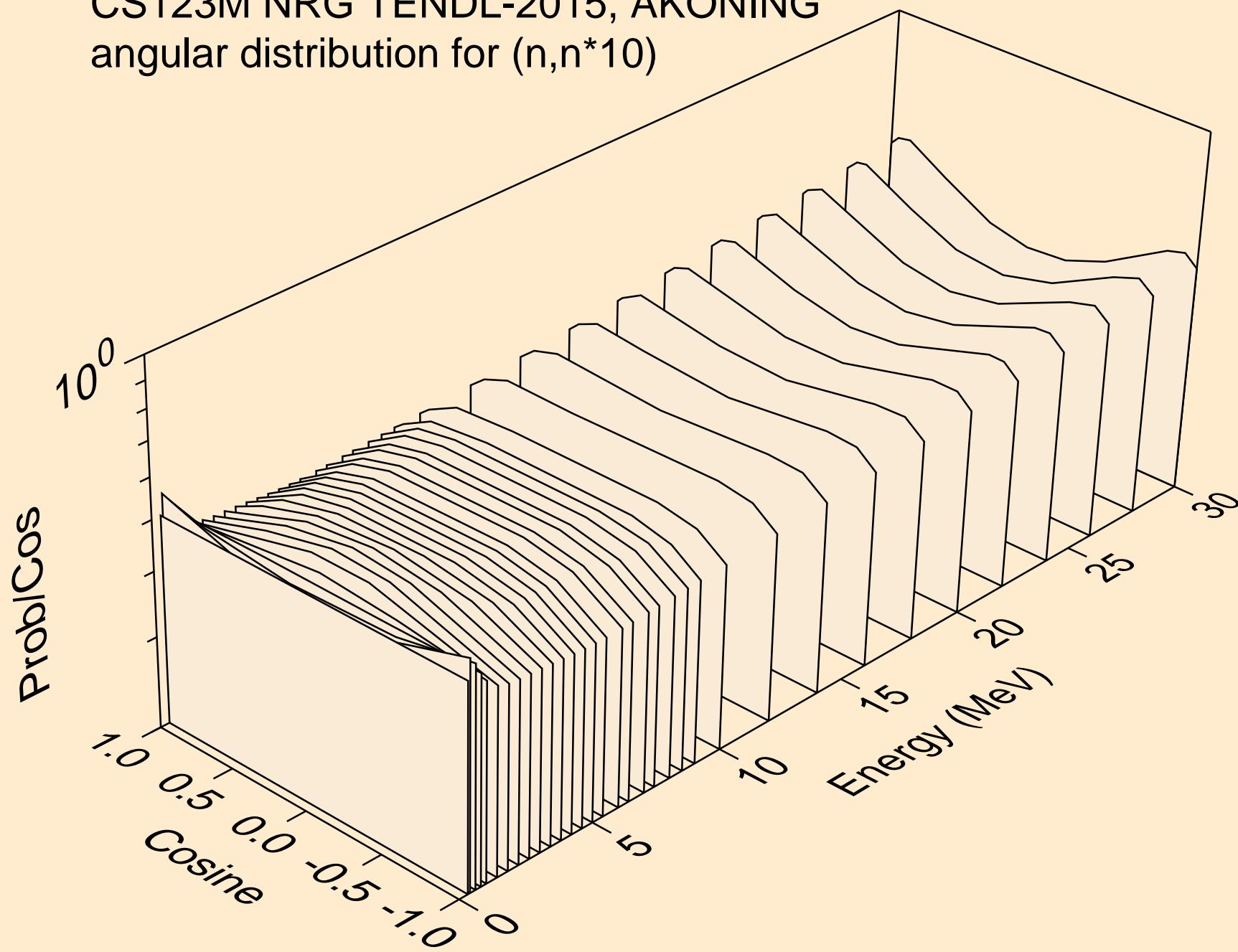
CS123M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



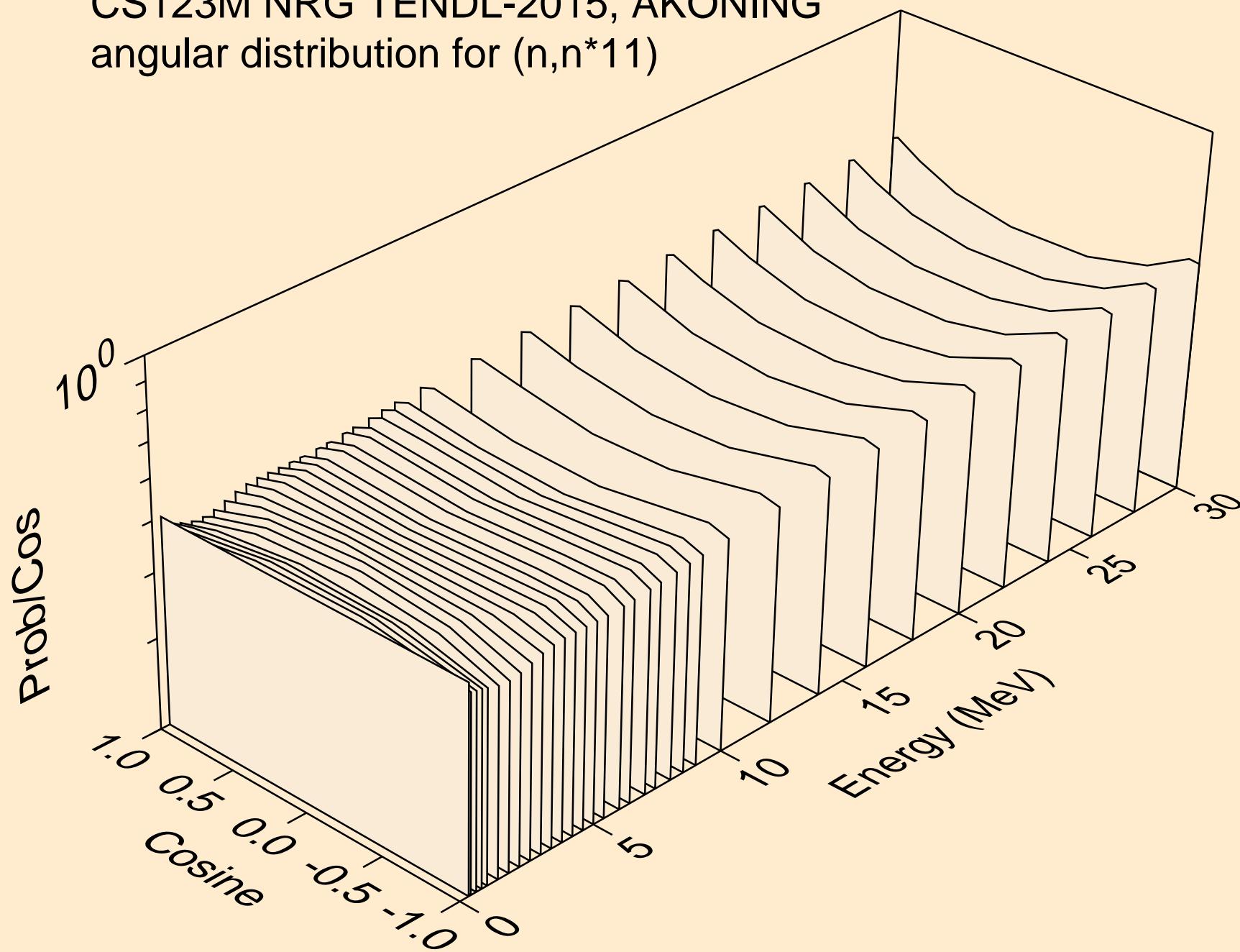
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angular distribution for (n,n\*9)



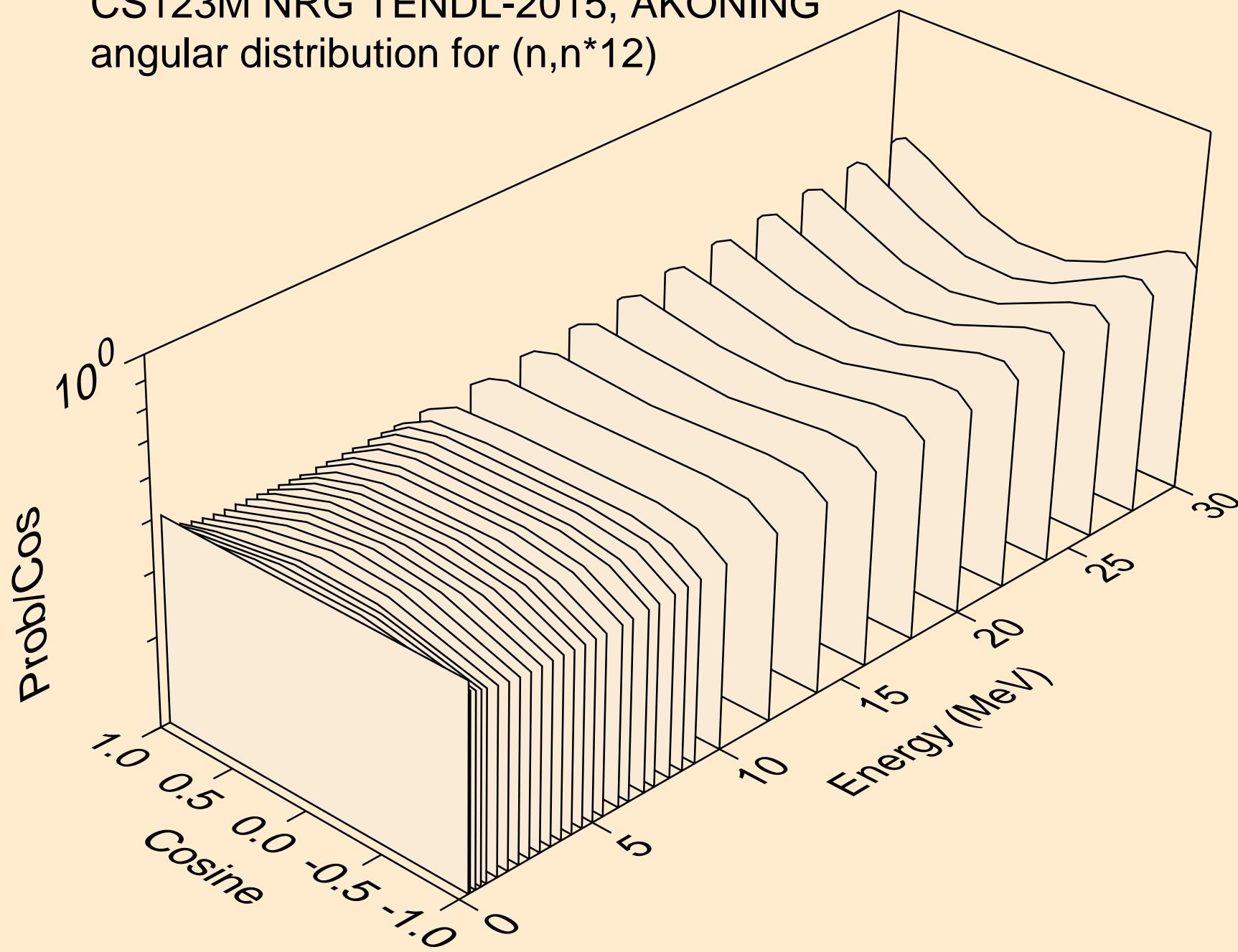
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angular distribution for (n,n\*10)



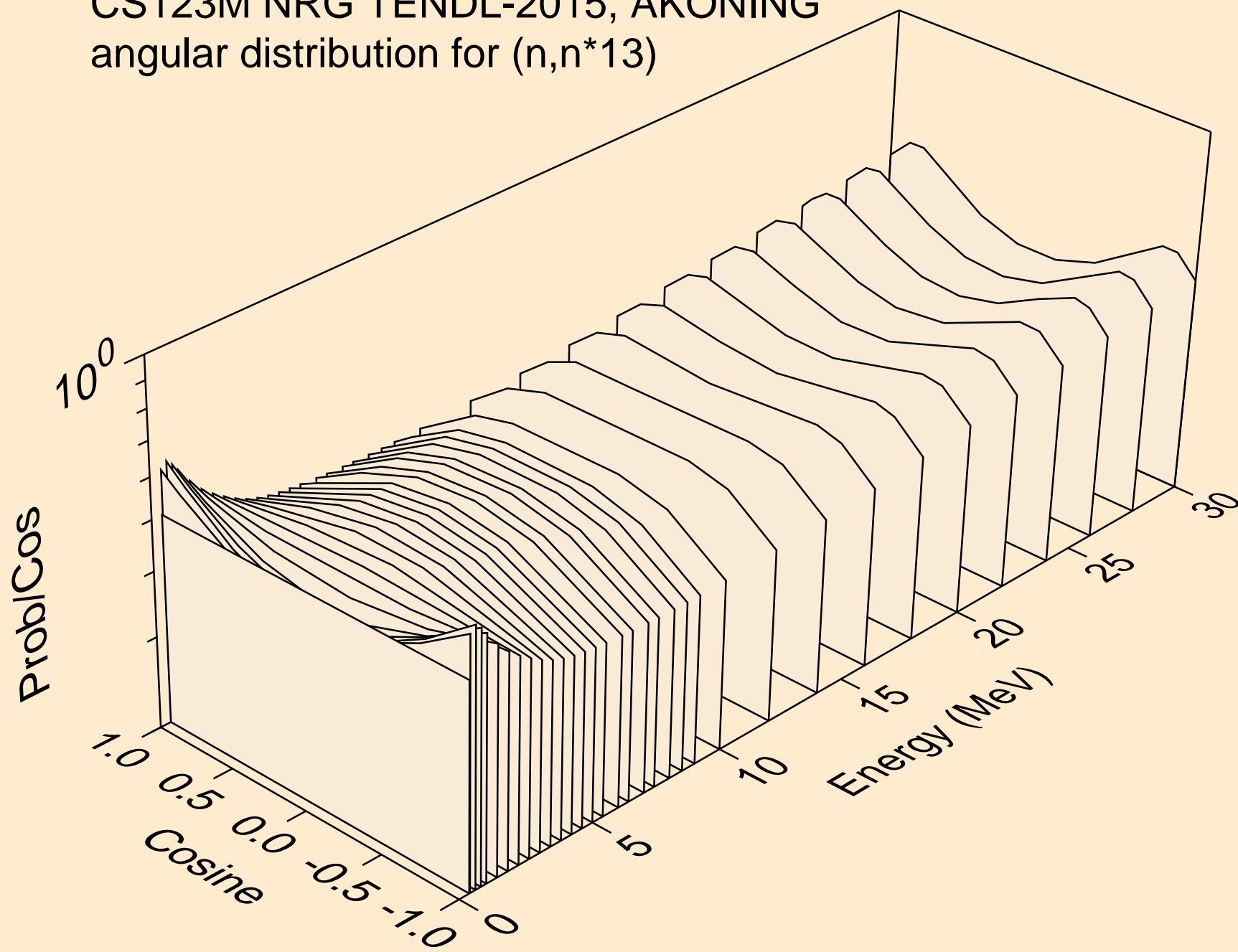
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angular distribution for (n,n\*11)



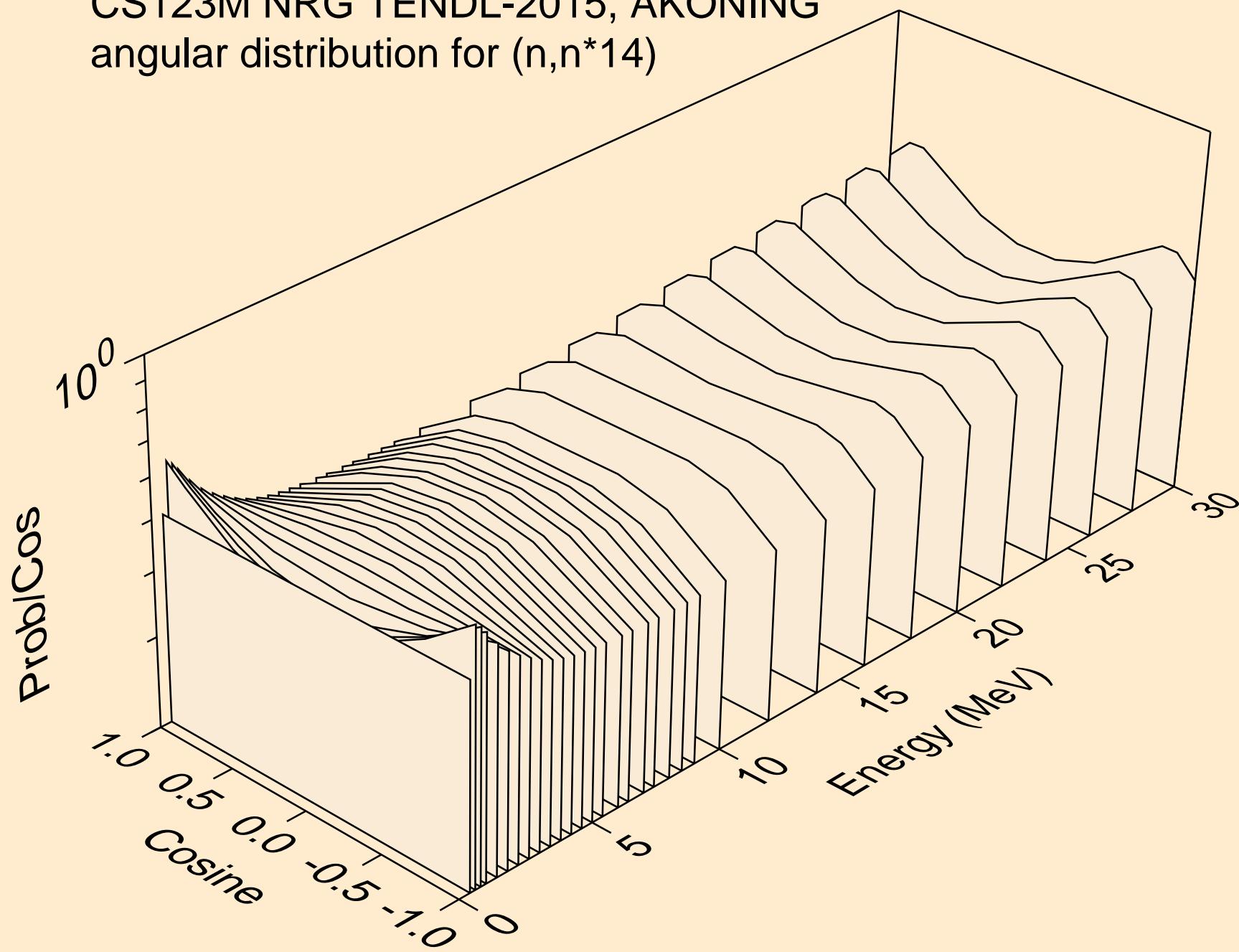
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angular distribution for (n,n\*12)



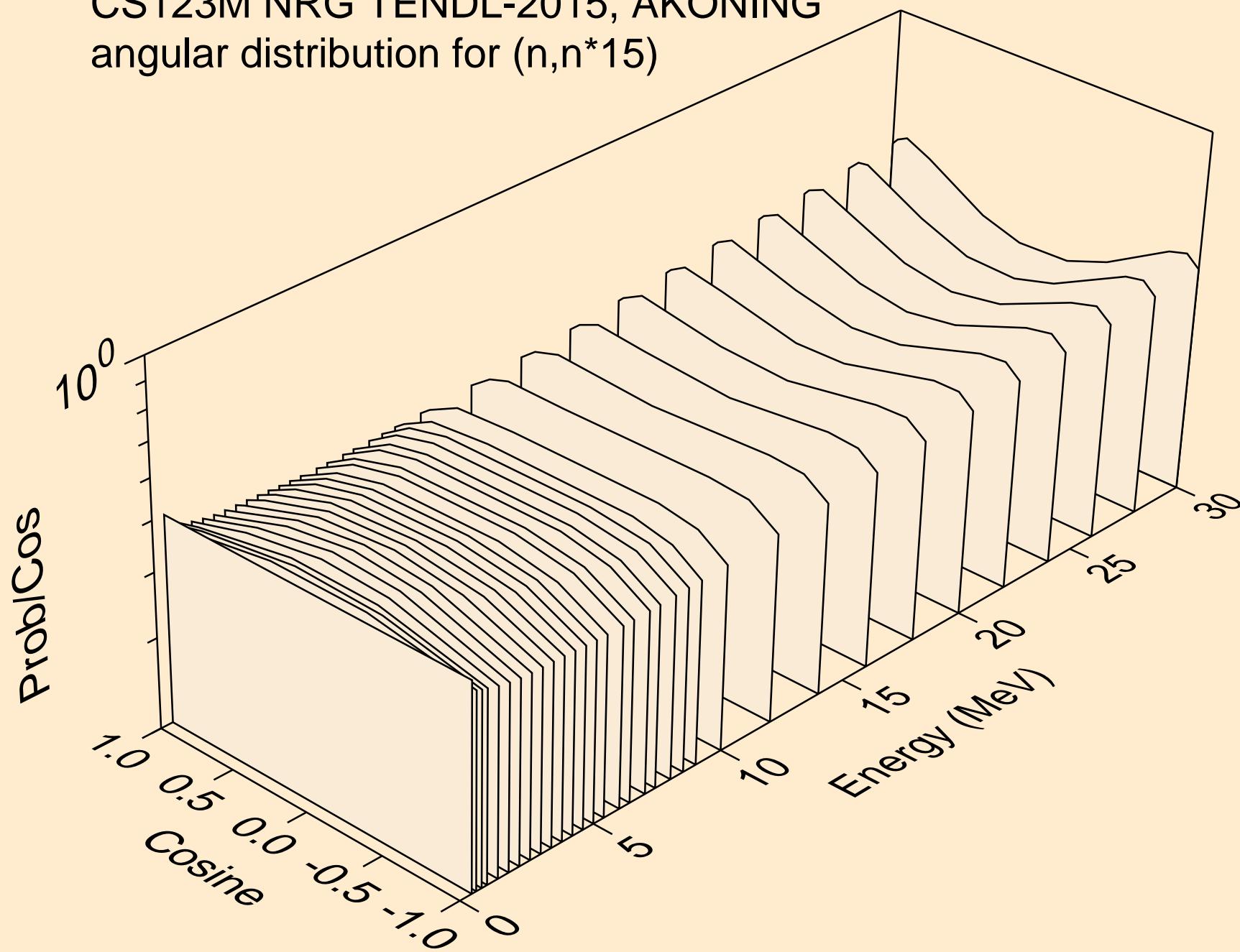
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angular distribution for (n,n\*13)



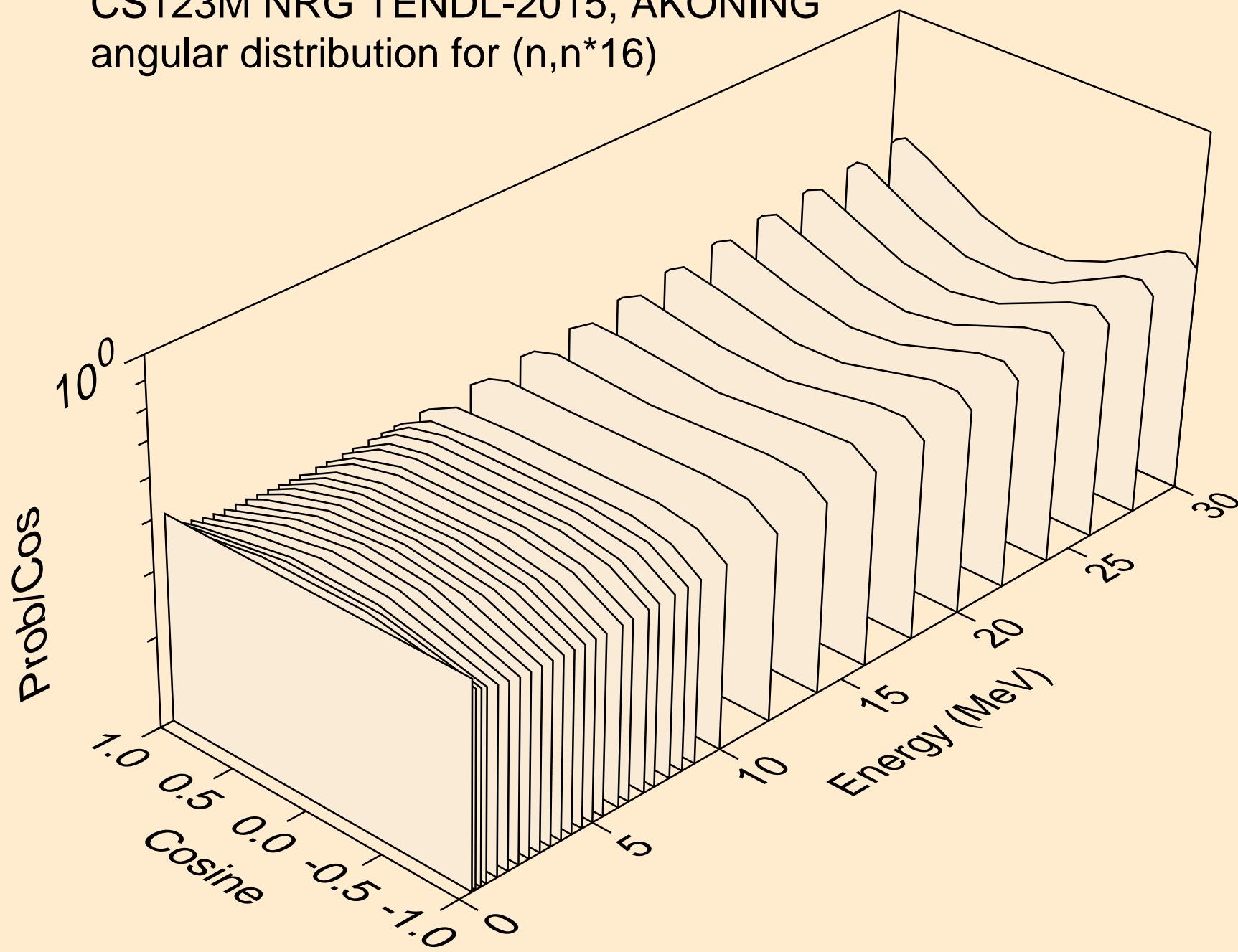
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angular distribution for (n,n\*14)



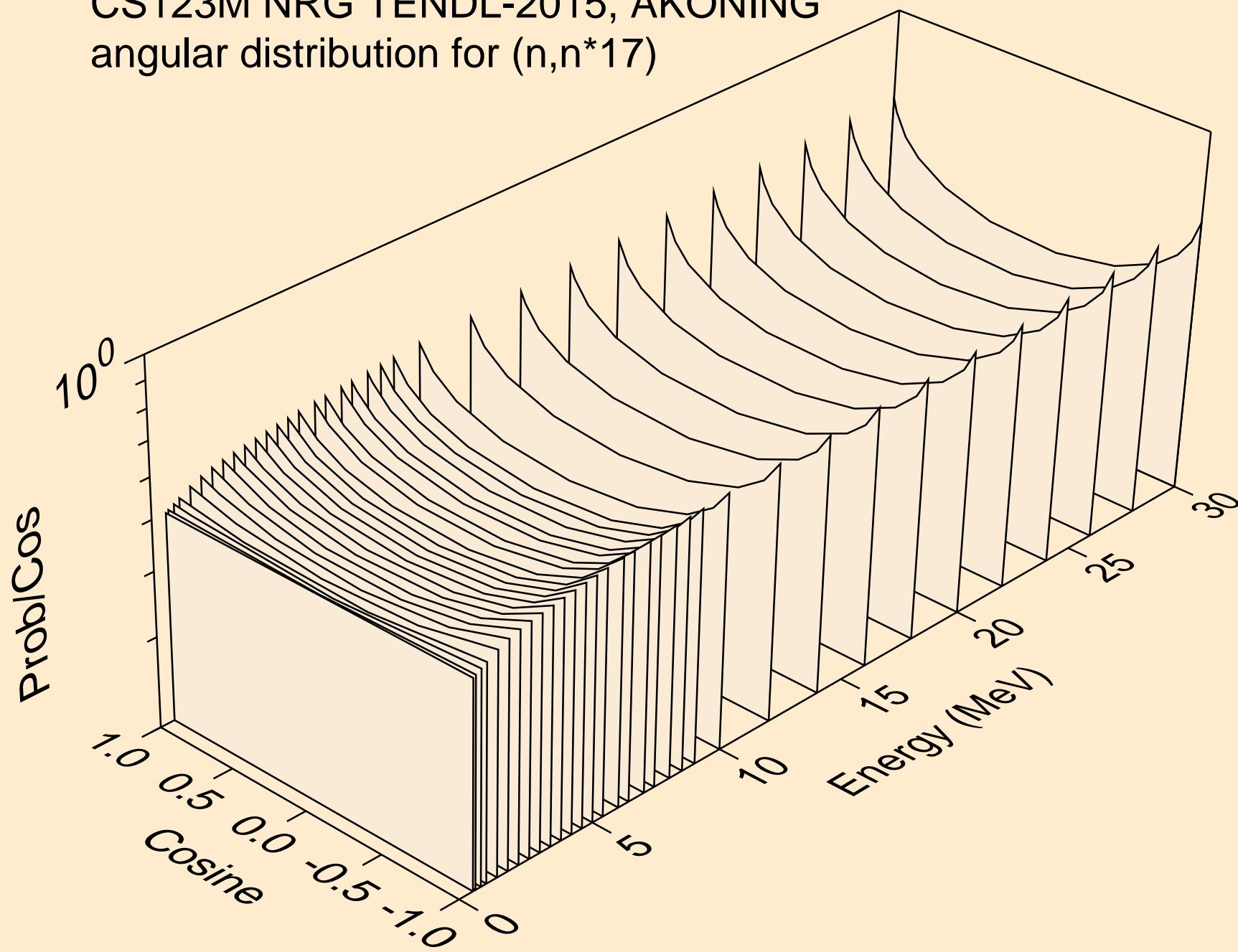
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angular distribution for (n,n\*15)



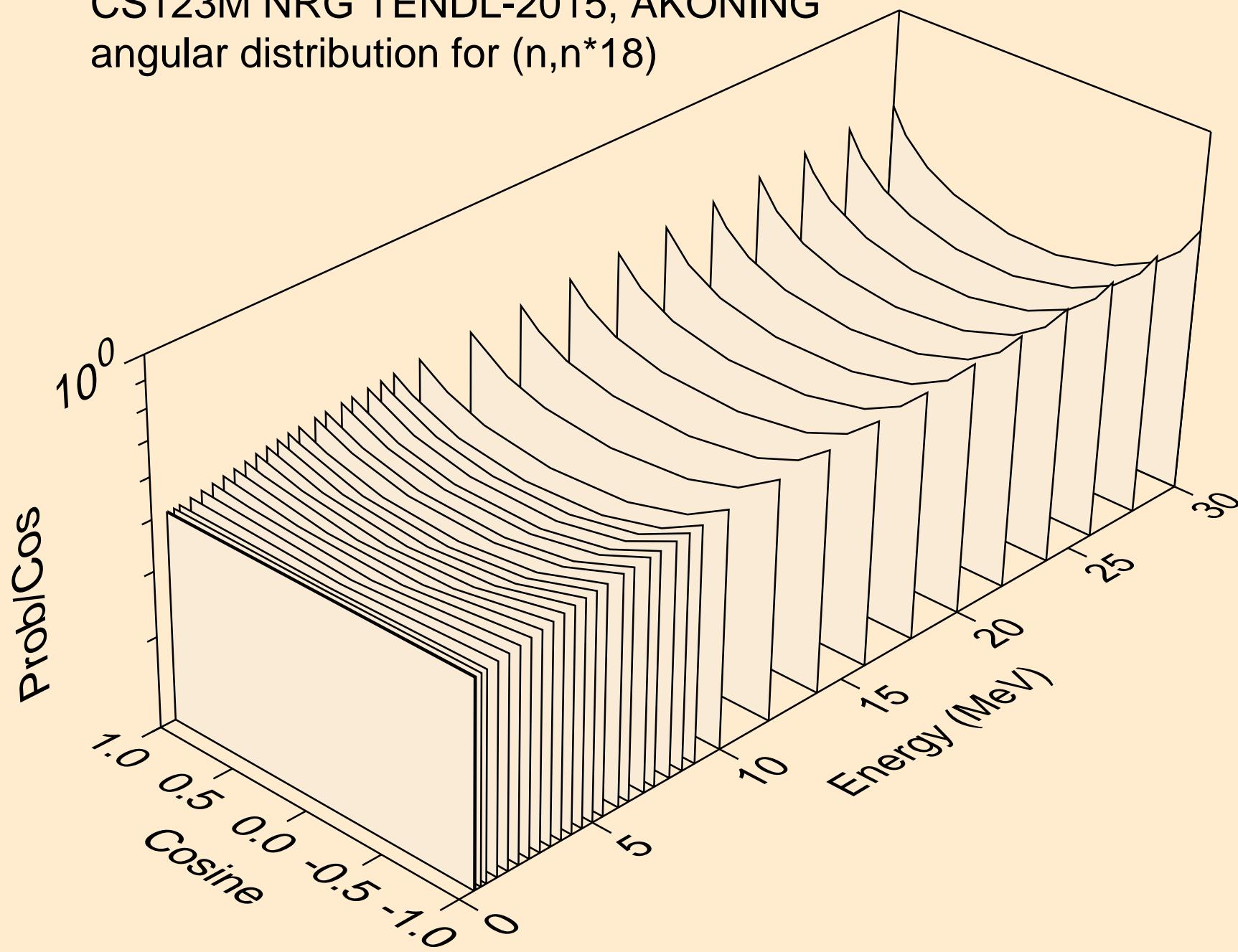
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angular distribution for (n,n\*16)



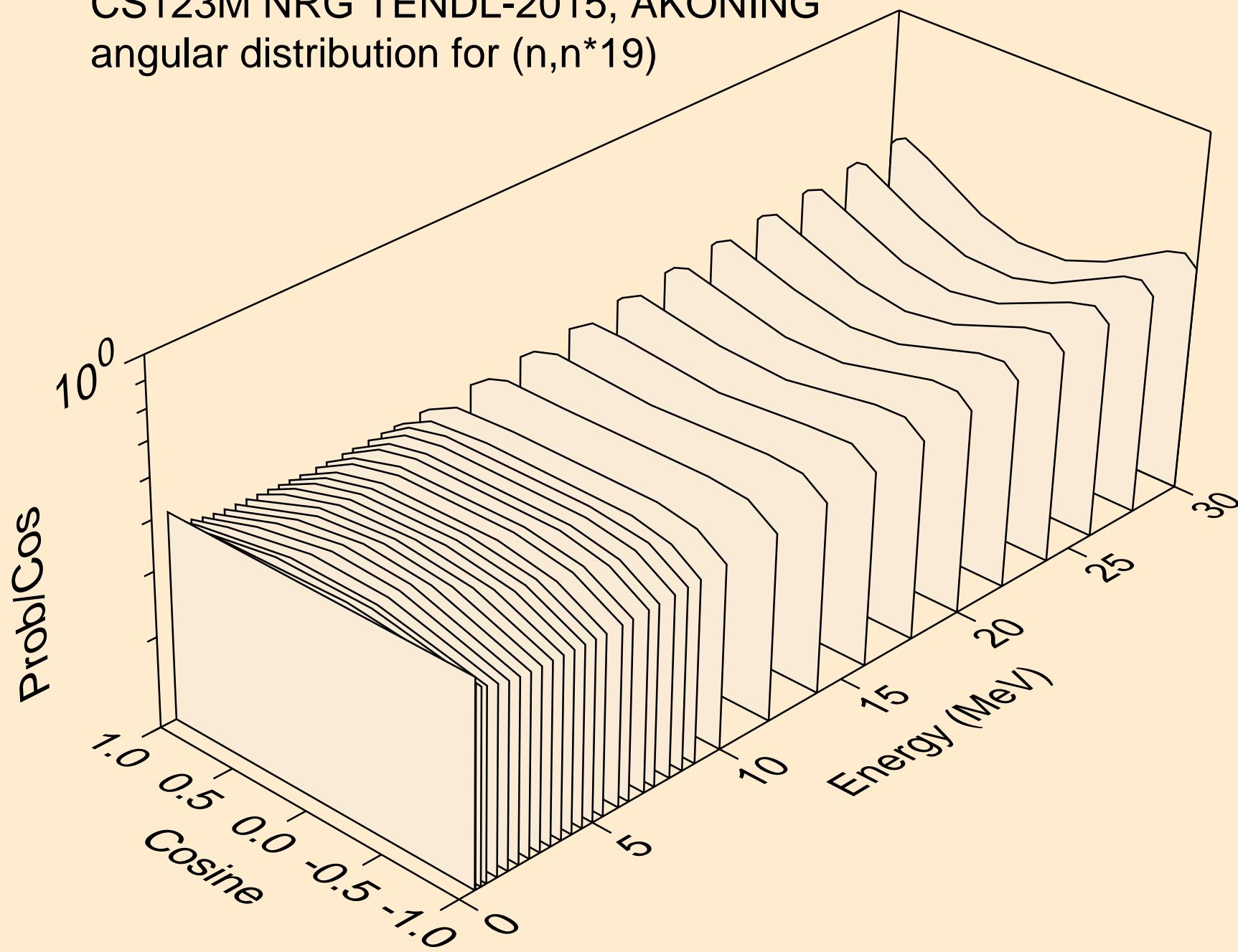
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angular distribution for (n,n\*17)



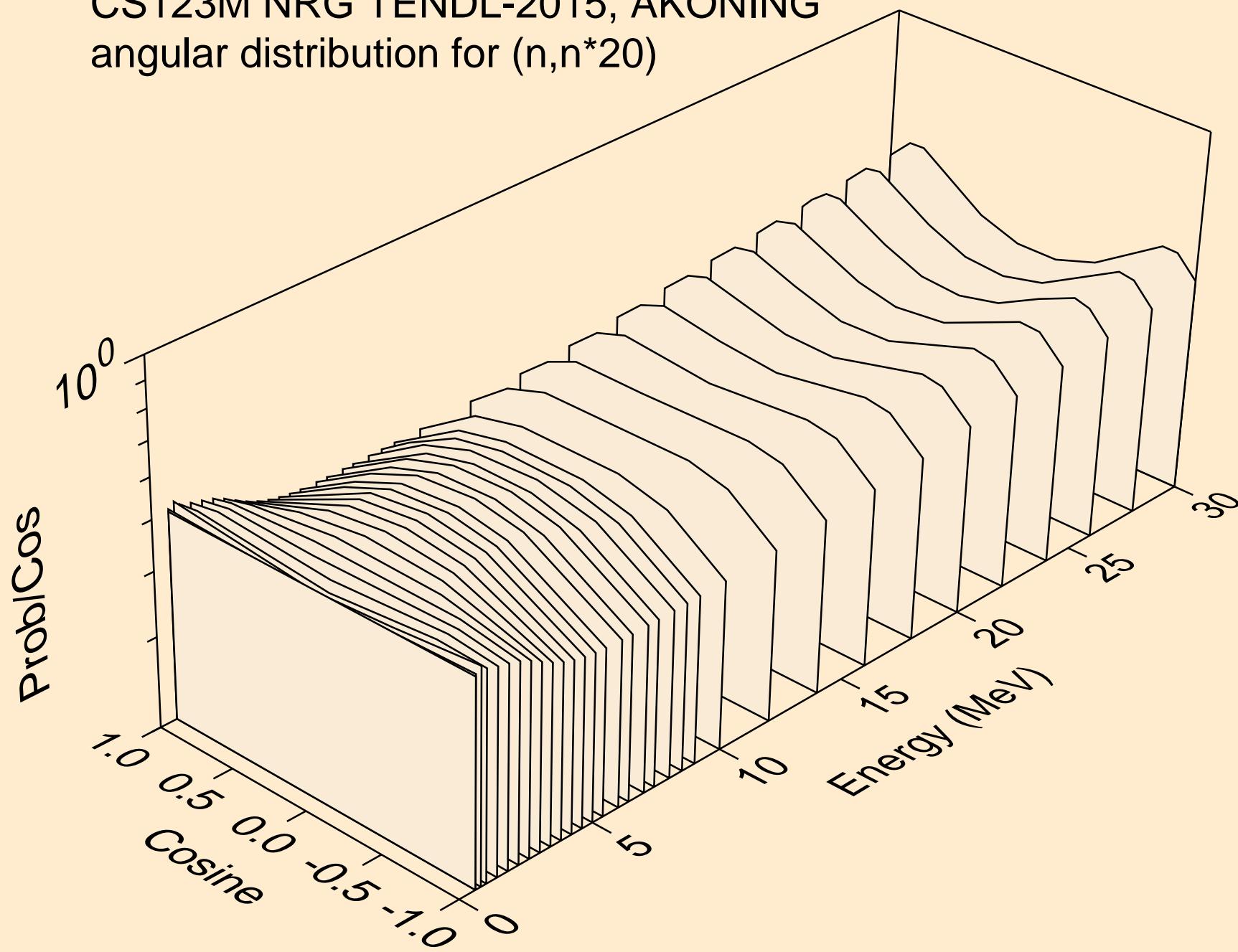
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angular distribution for (n,n\*18)



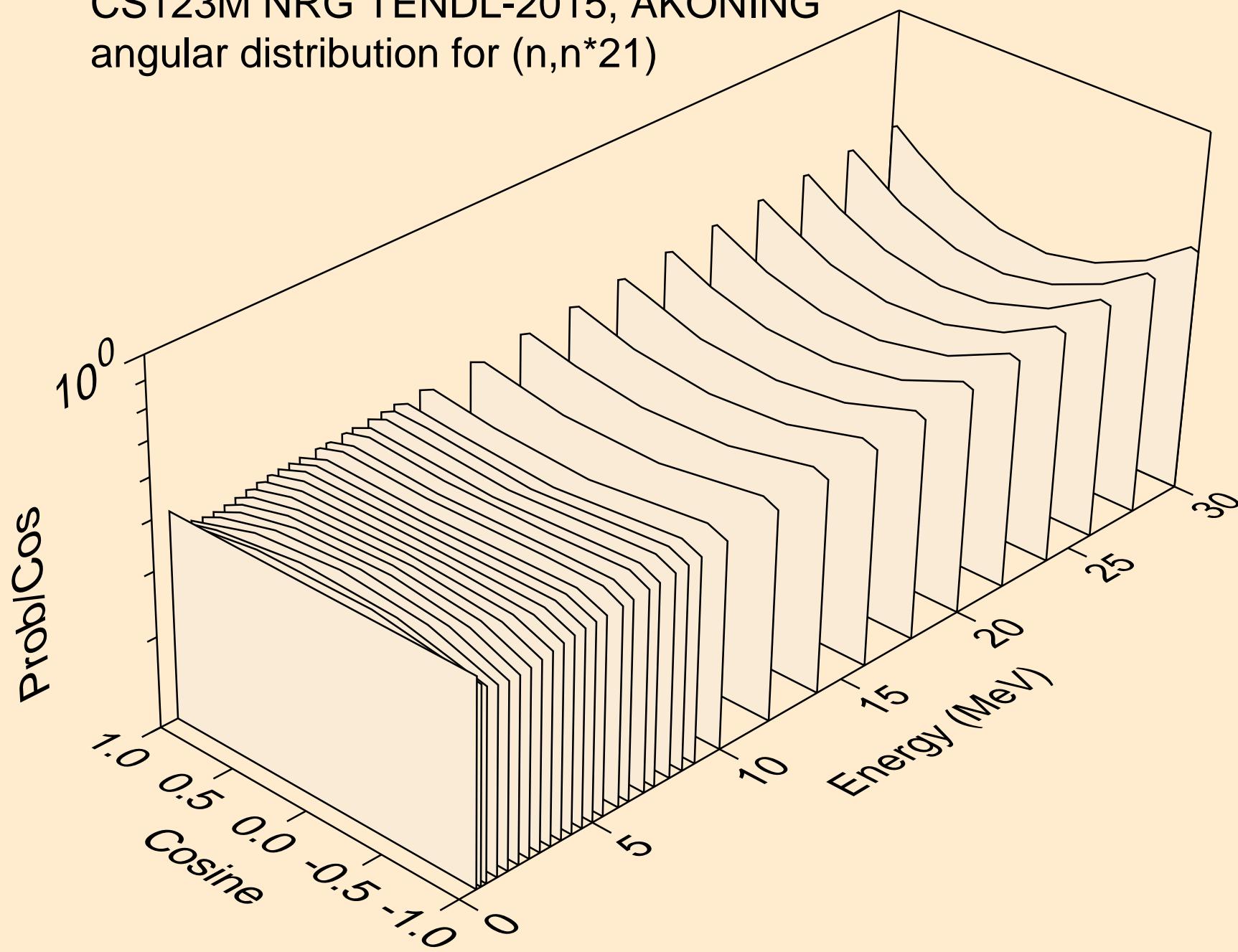
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angular distribution for (n,n\*19)



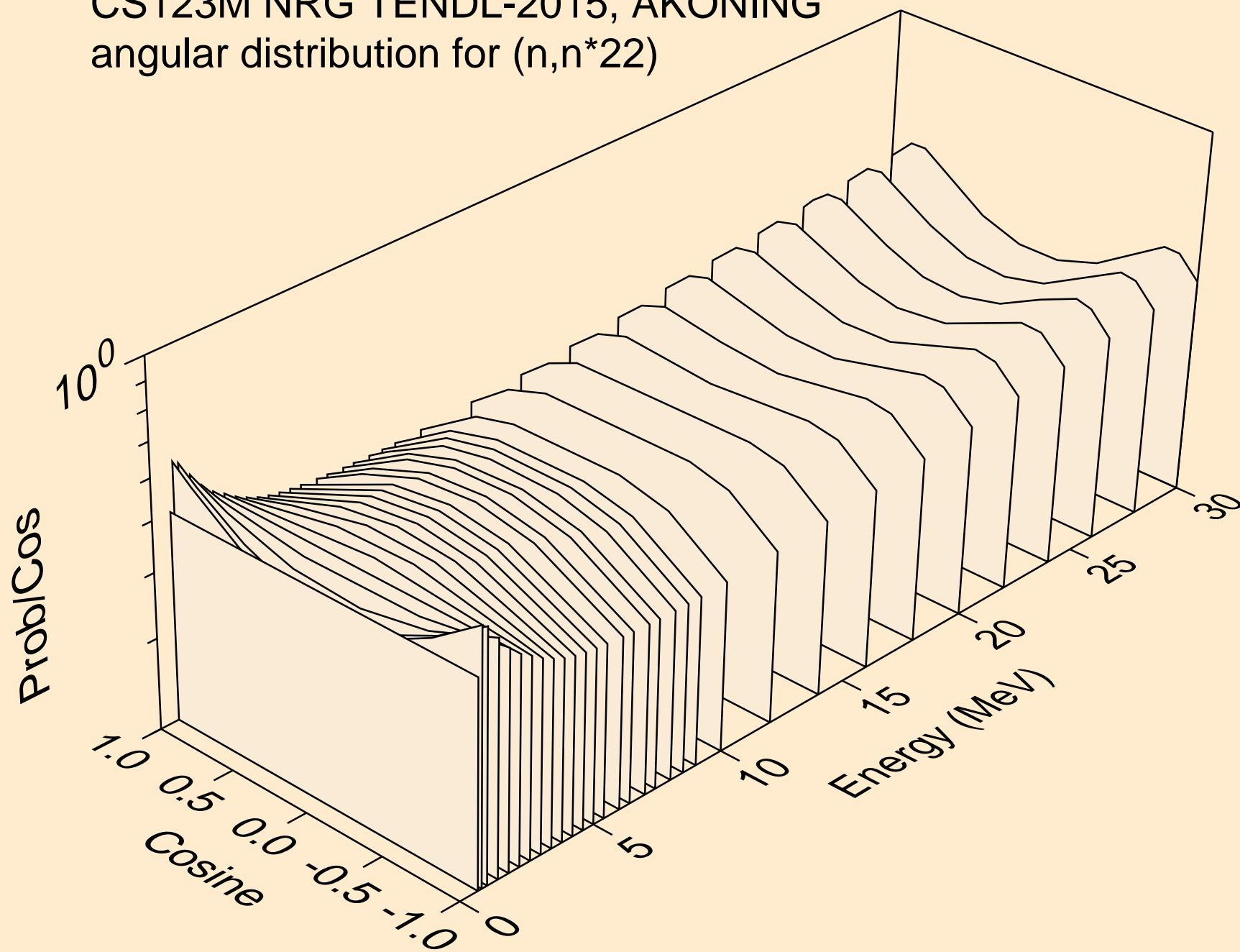
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



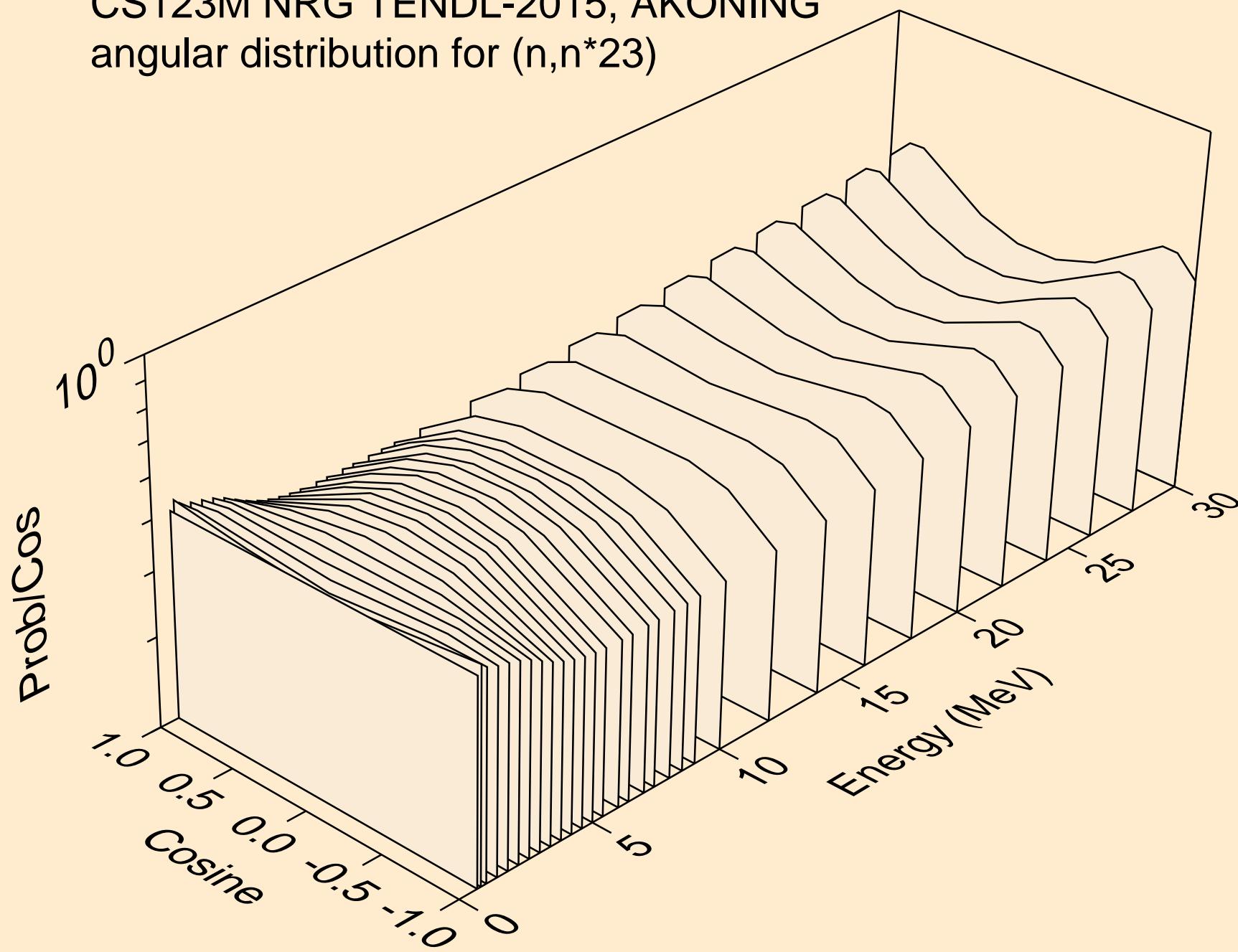
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



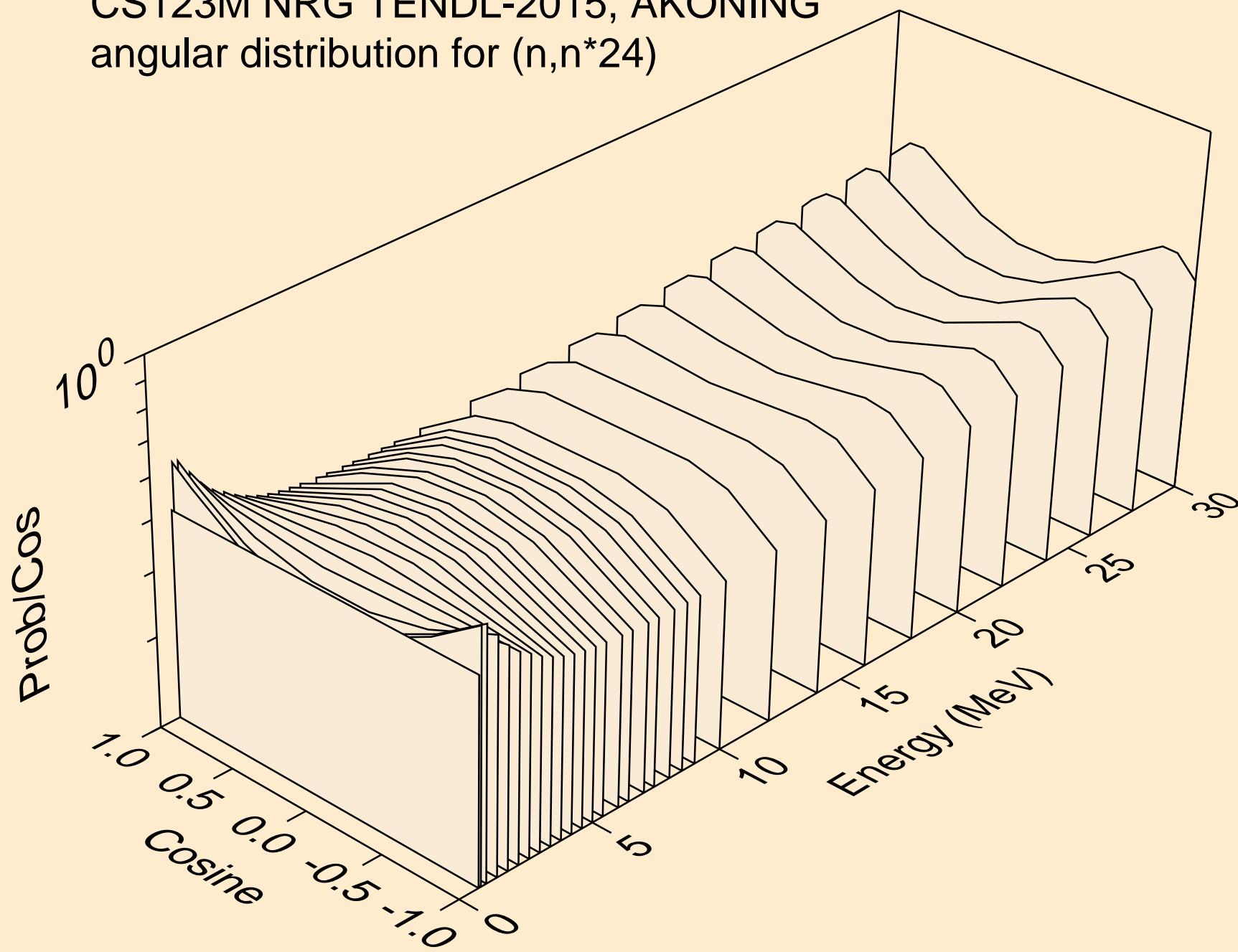
CS123M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{22}$



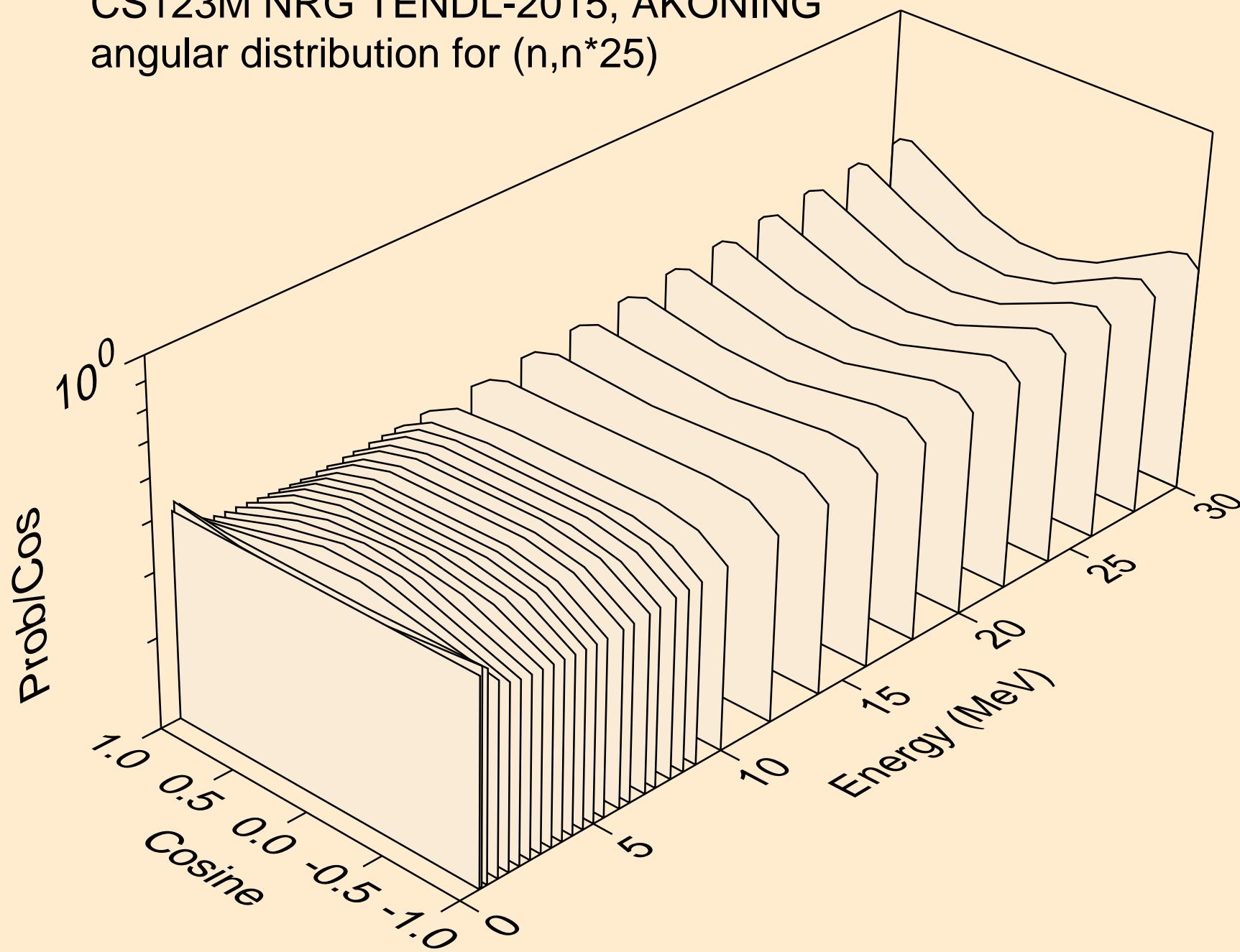
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



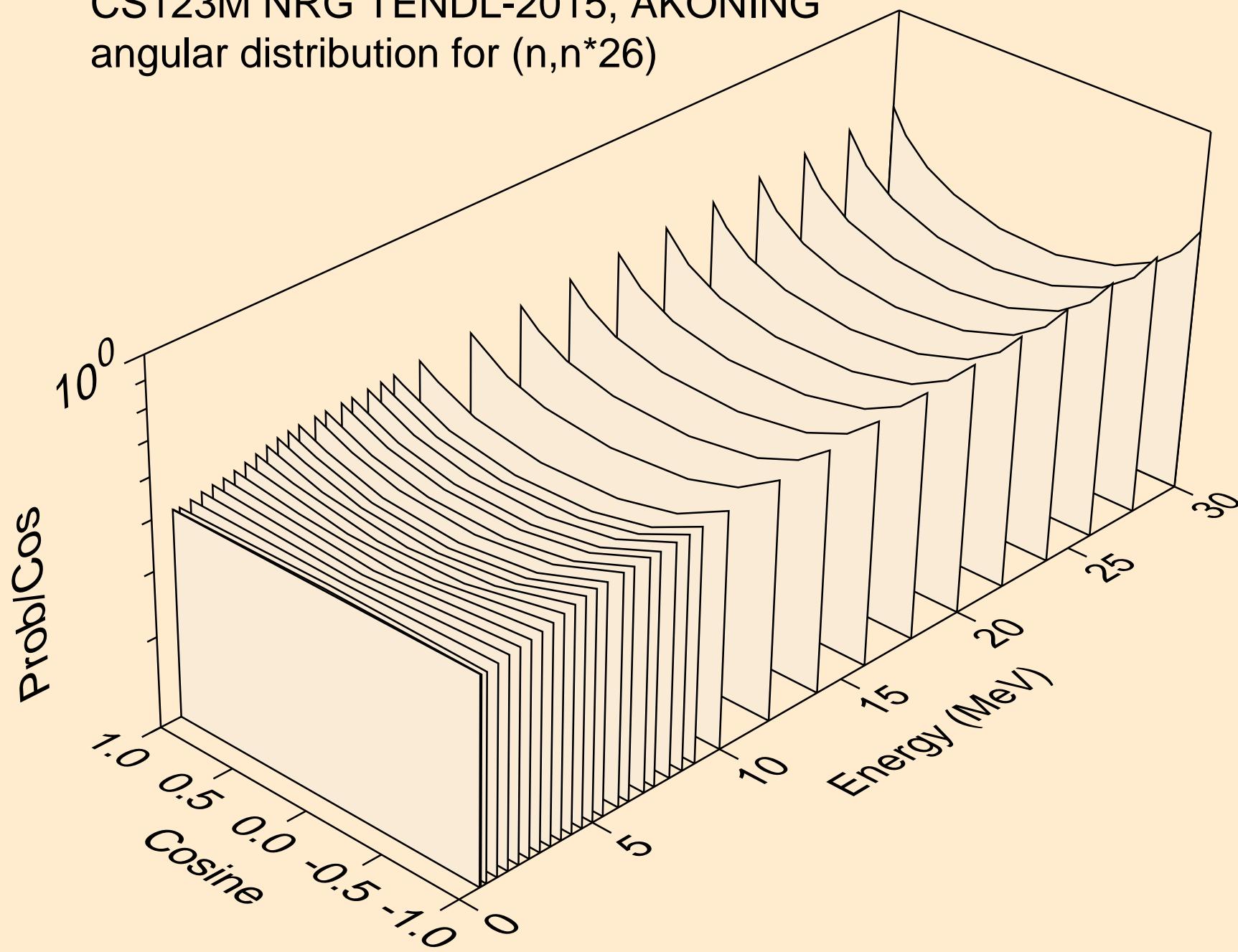
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angular distribution for (n,n\*24)



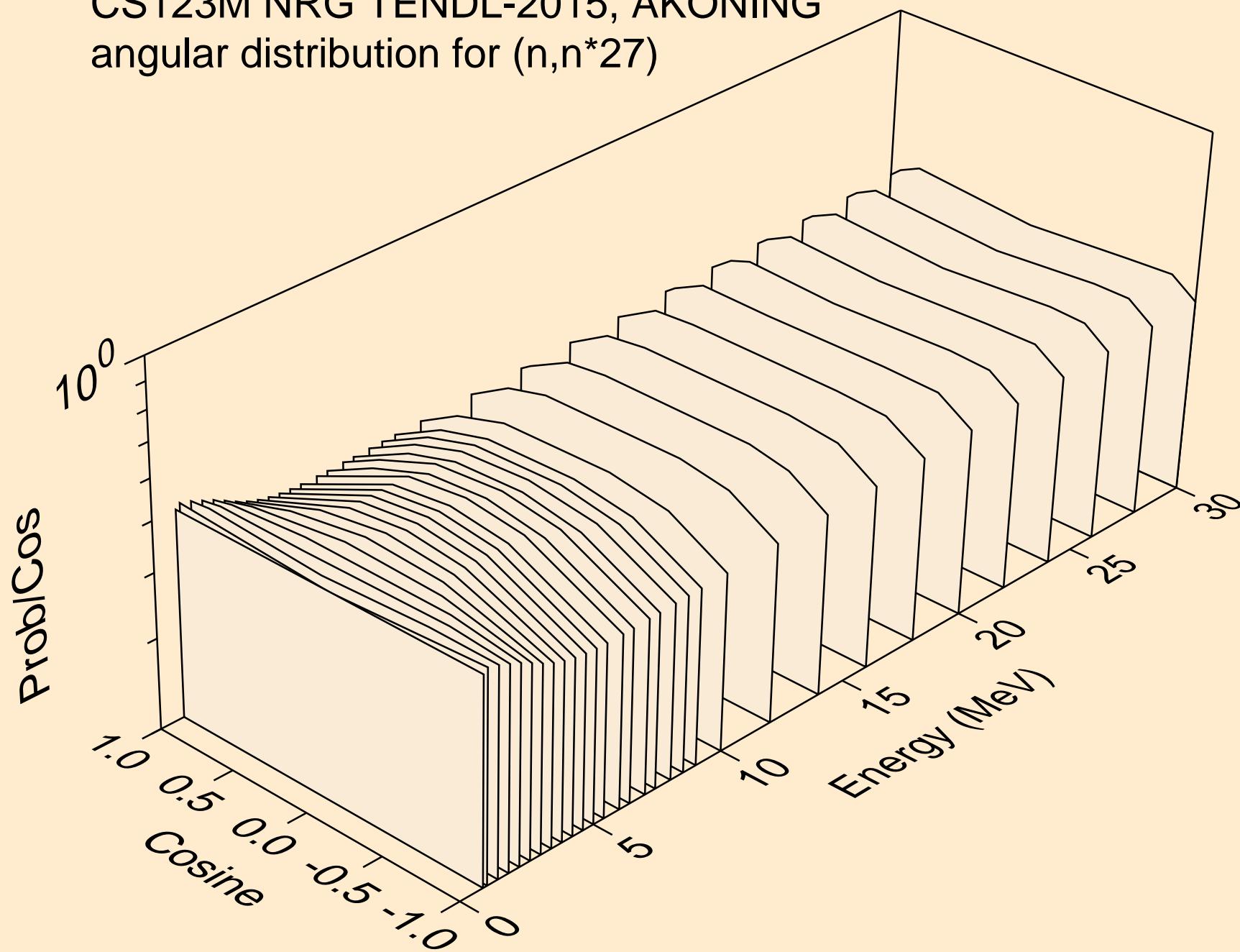
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angular distribution for (n,n\*25)



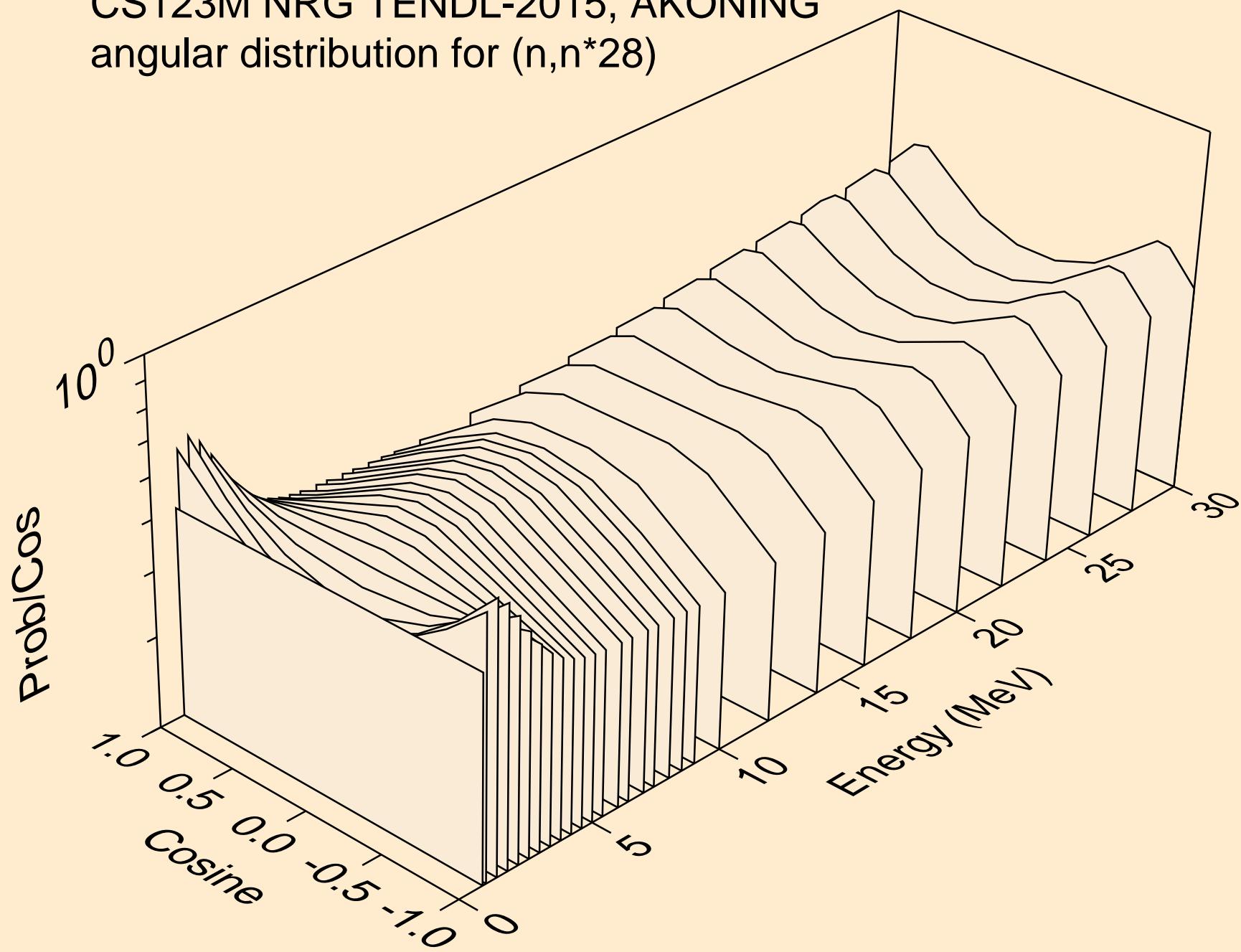
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angular distribution for (n,n\*26)



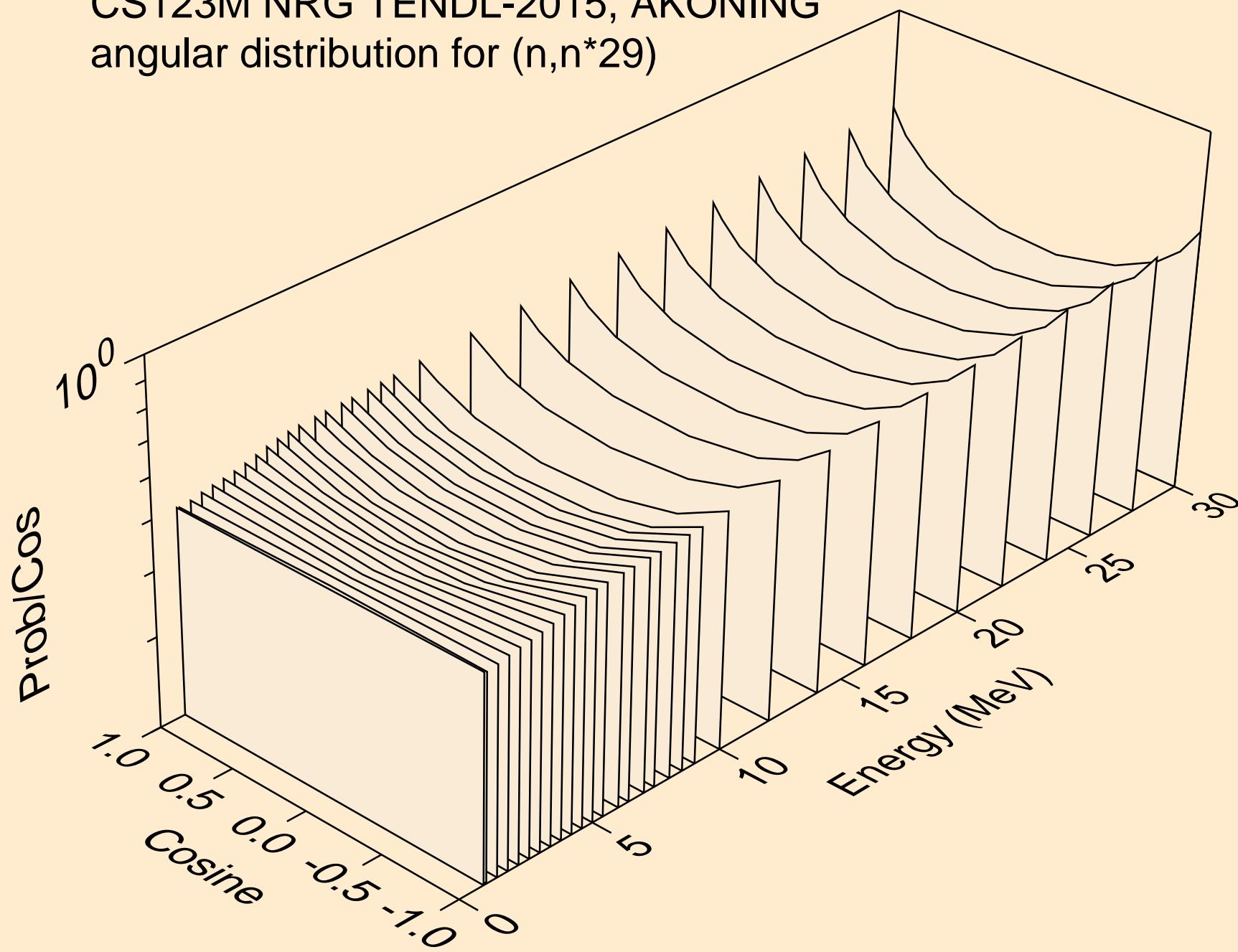
CS123M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*27)$



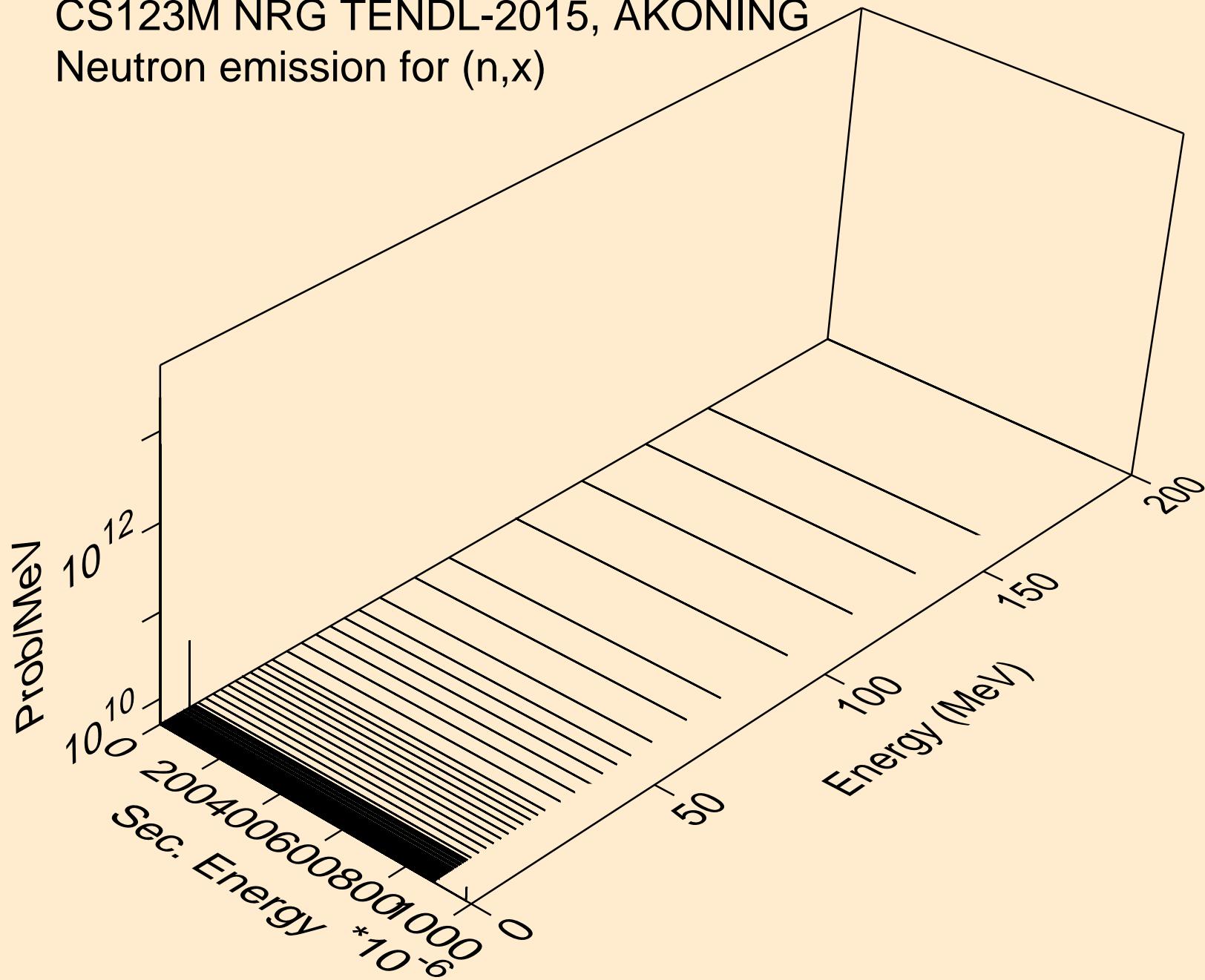
CS123M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



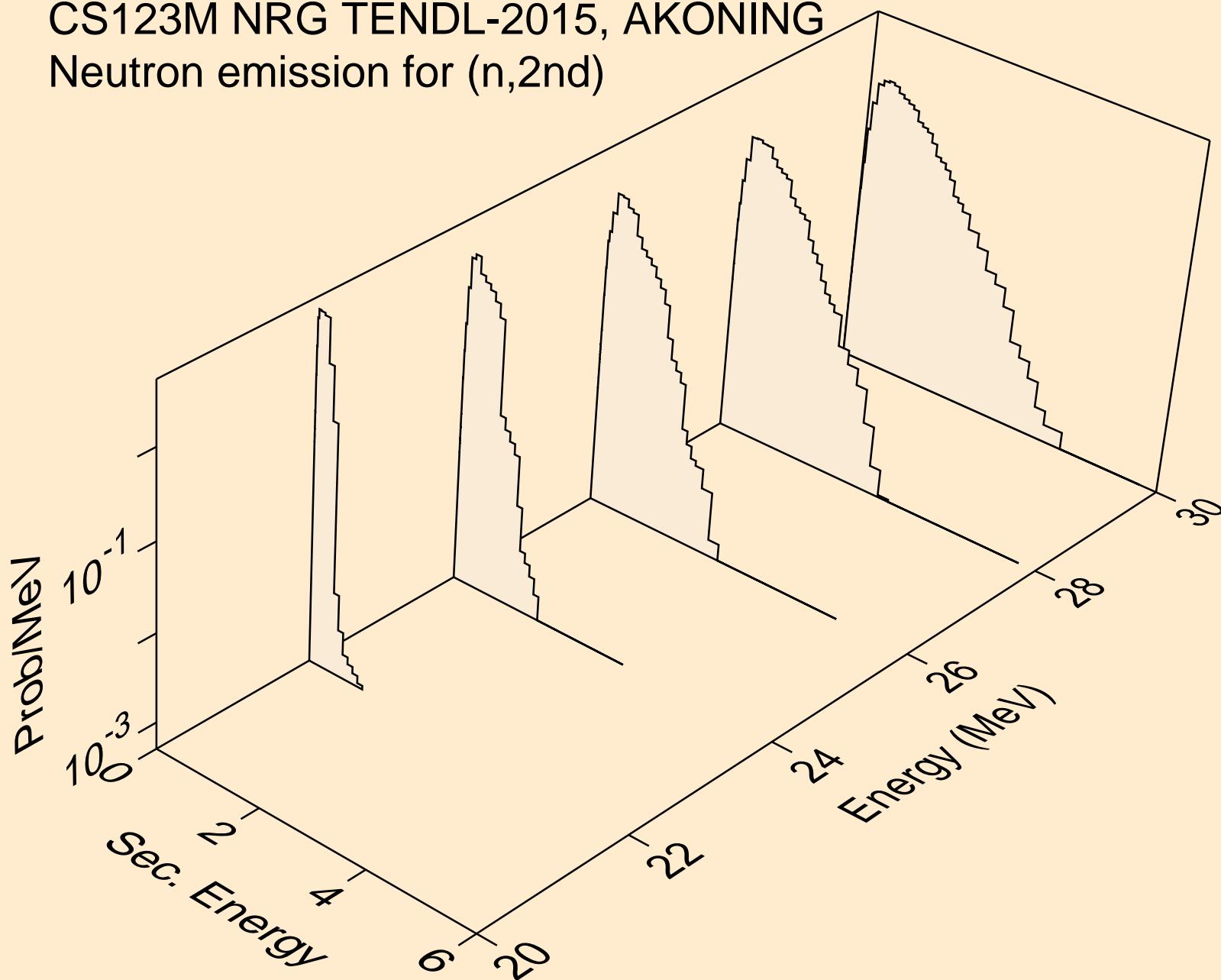
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angular distribution for  $(n,n^*29)$



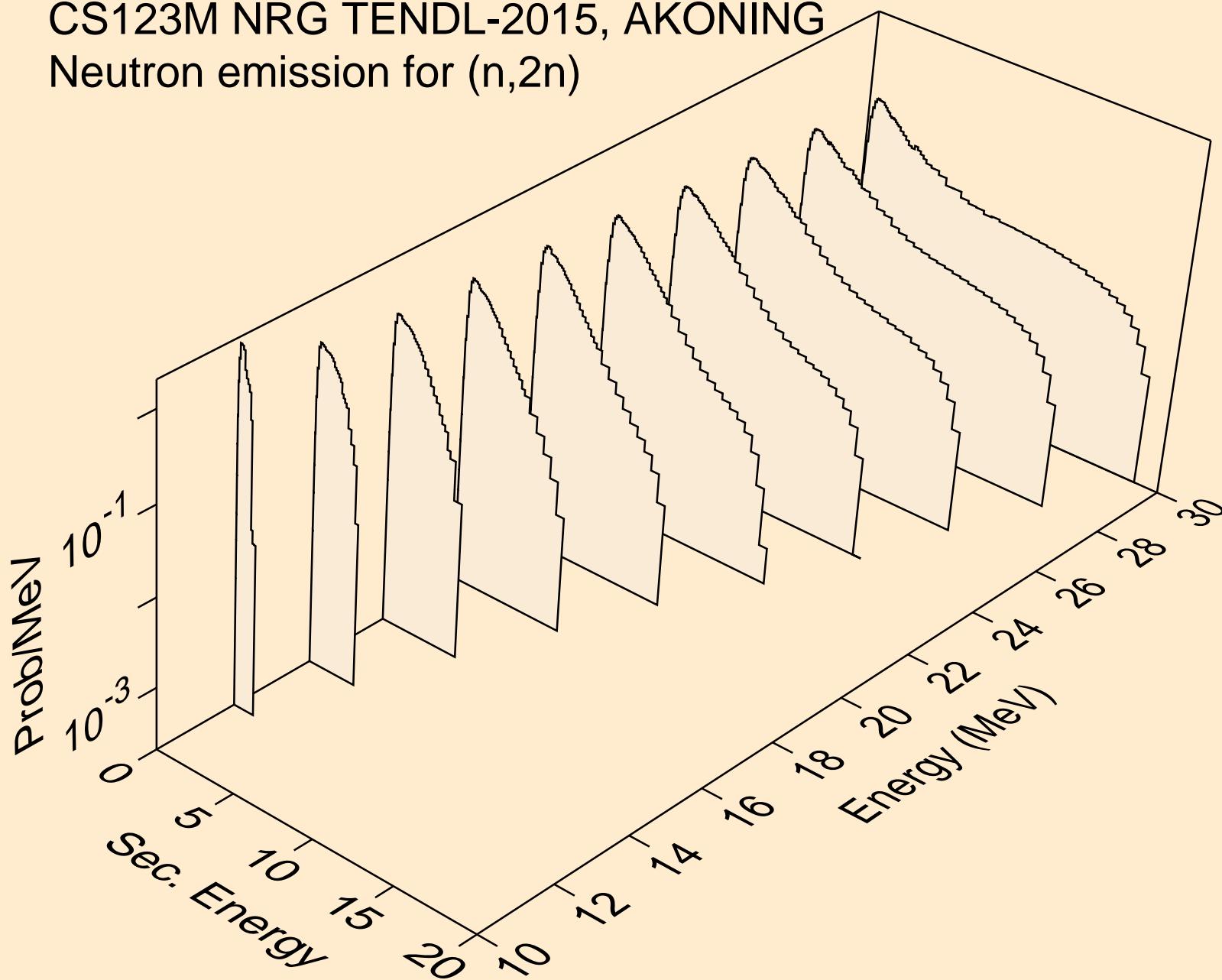
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



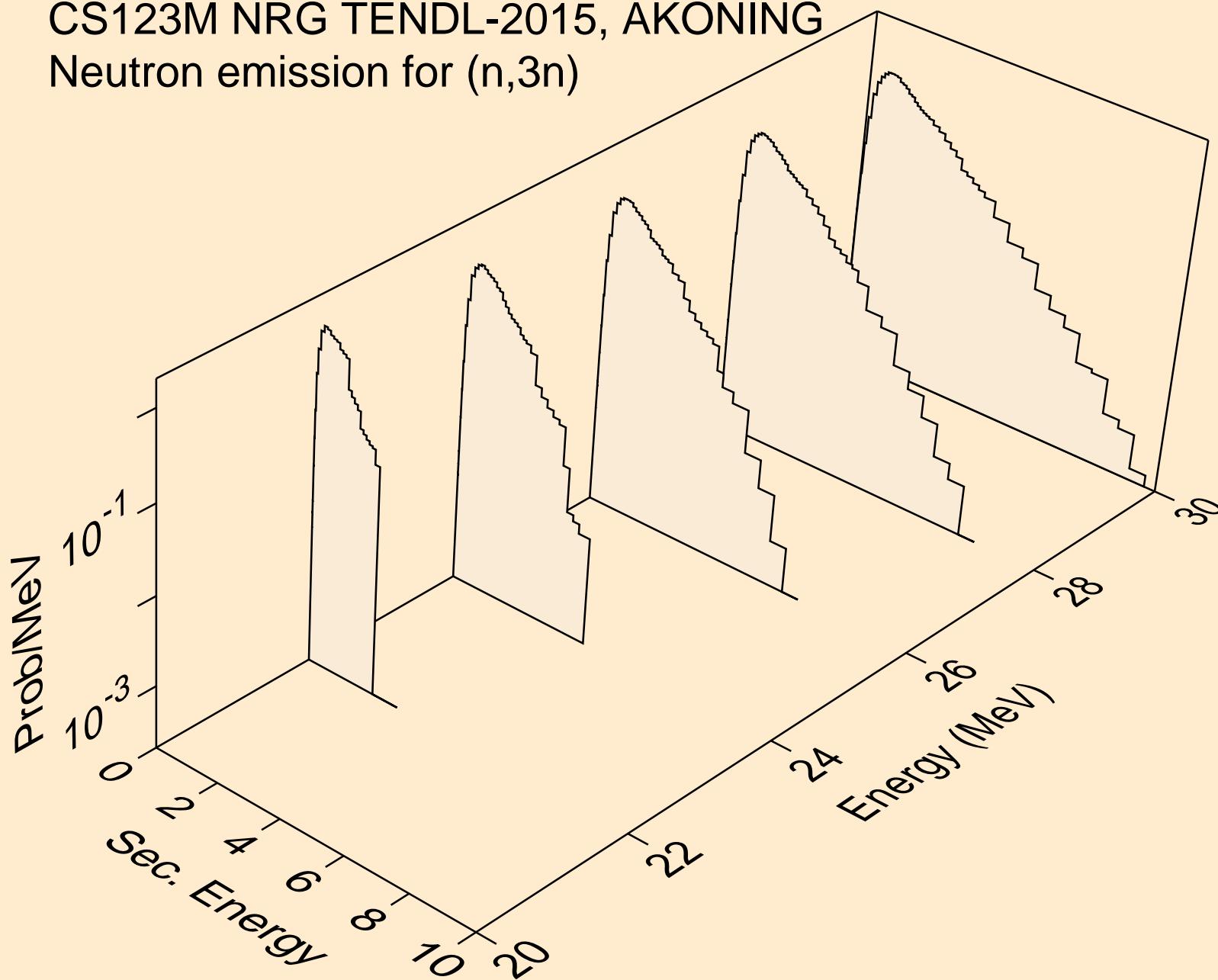
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



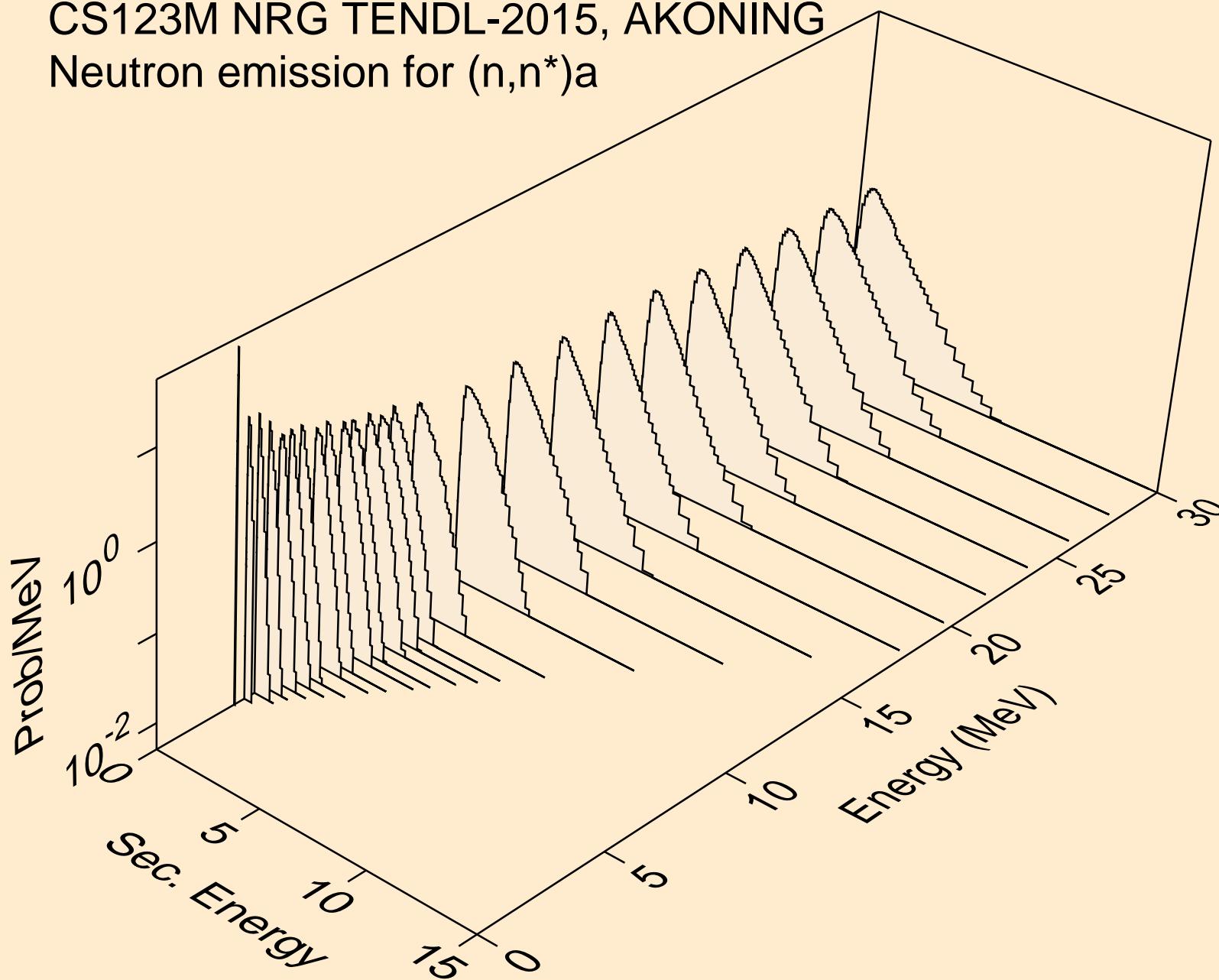
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



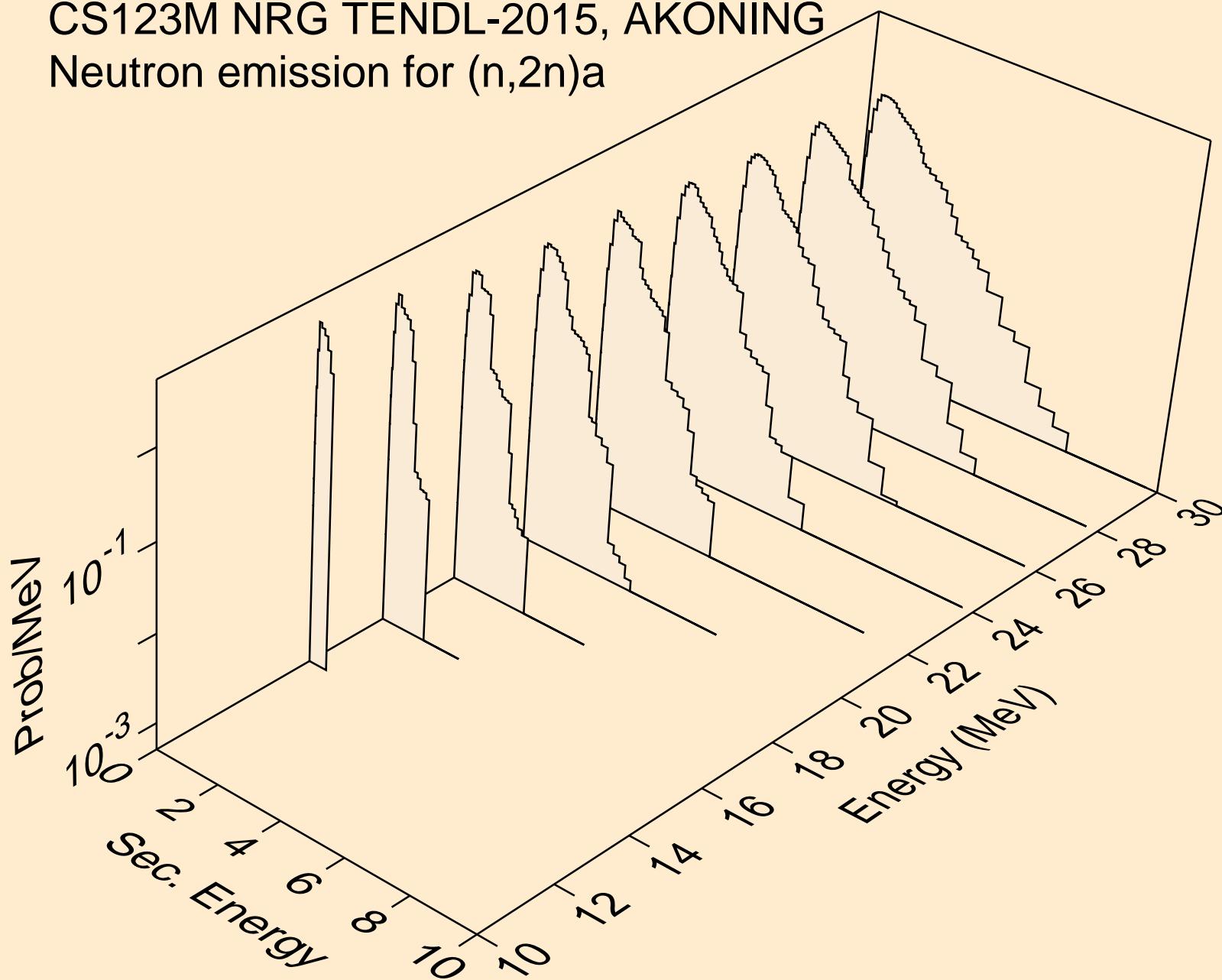
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



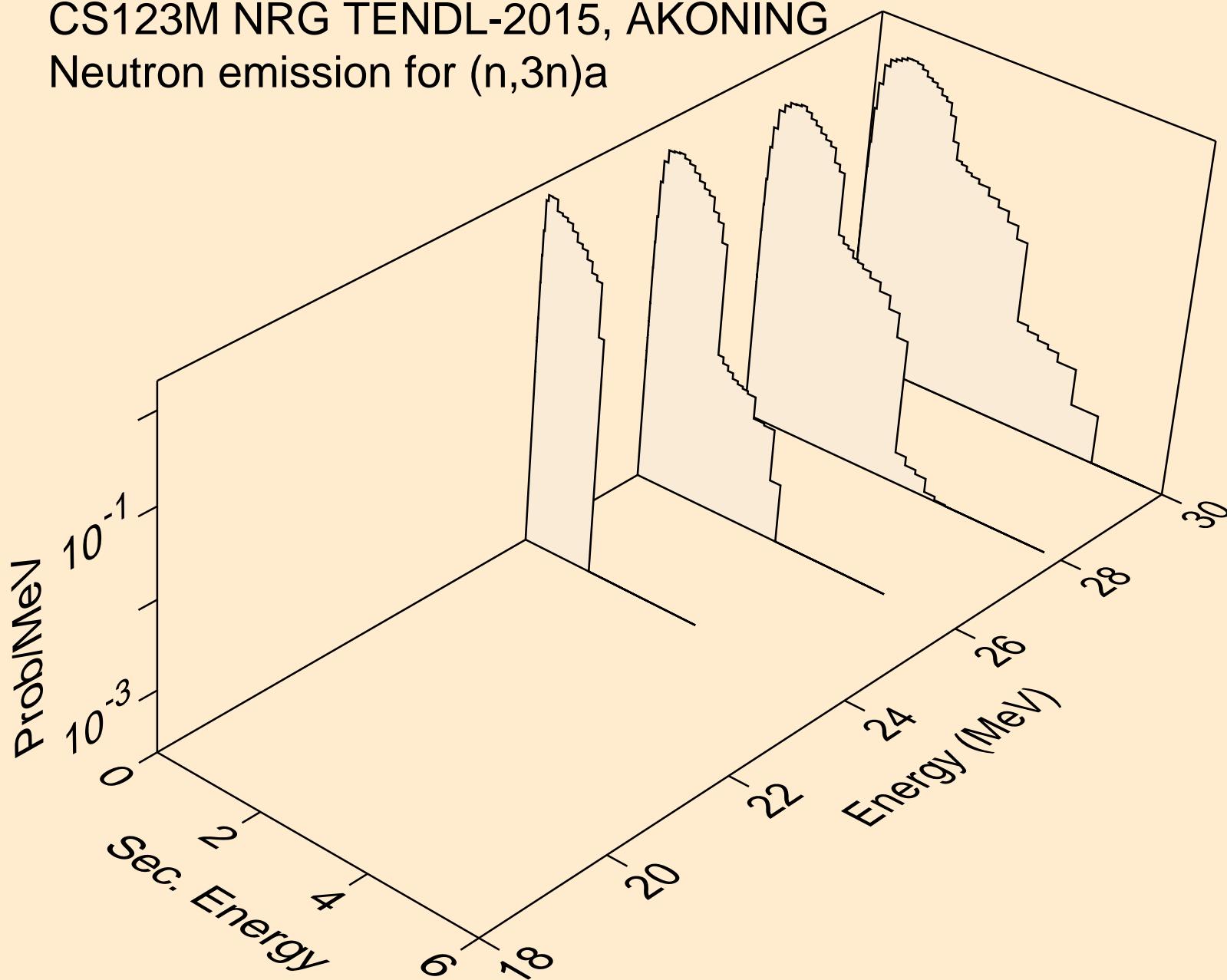
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



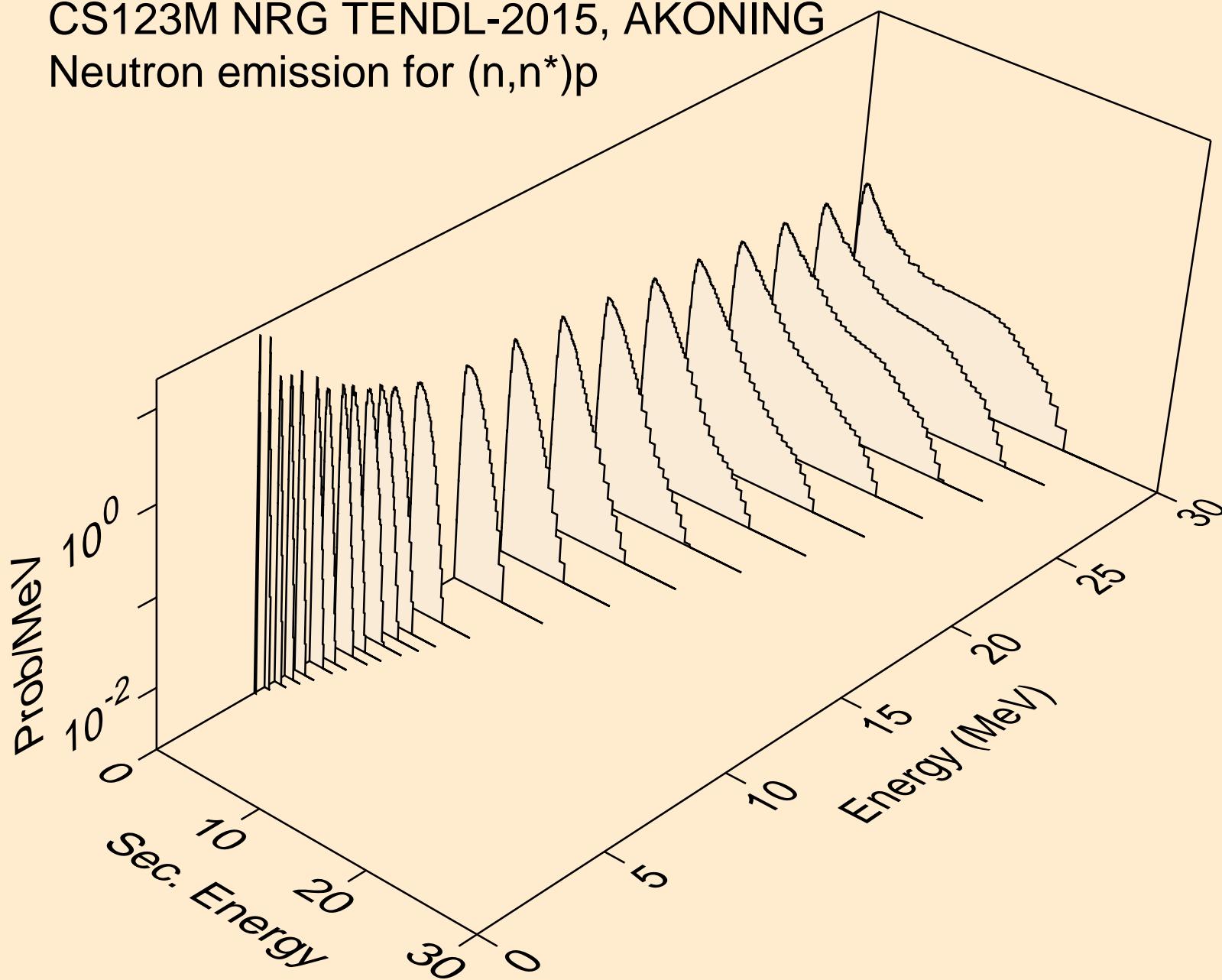
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



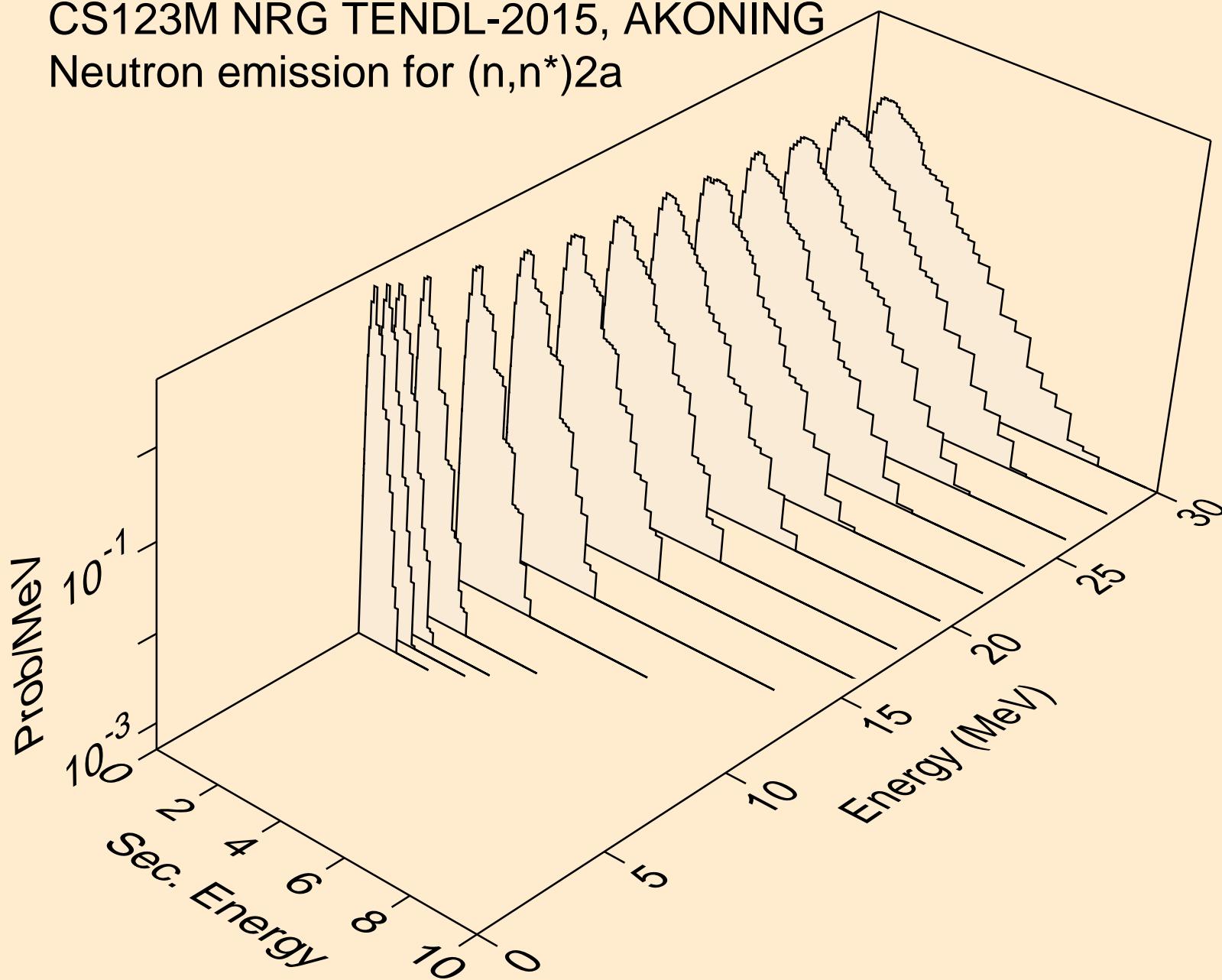
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



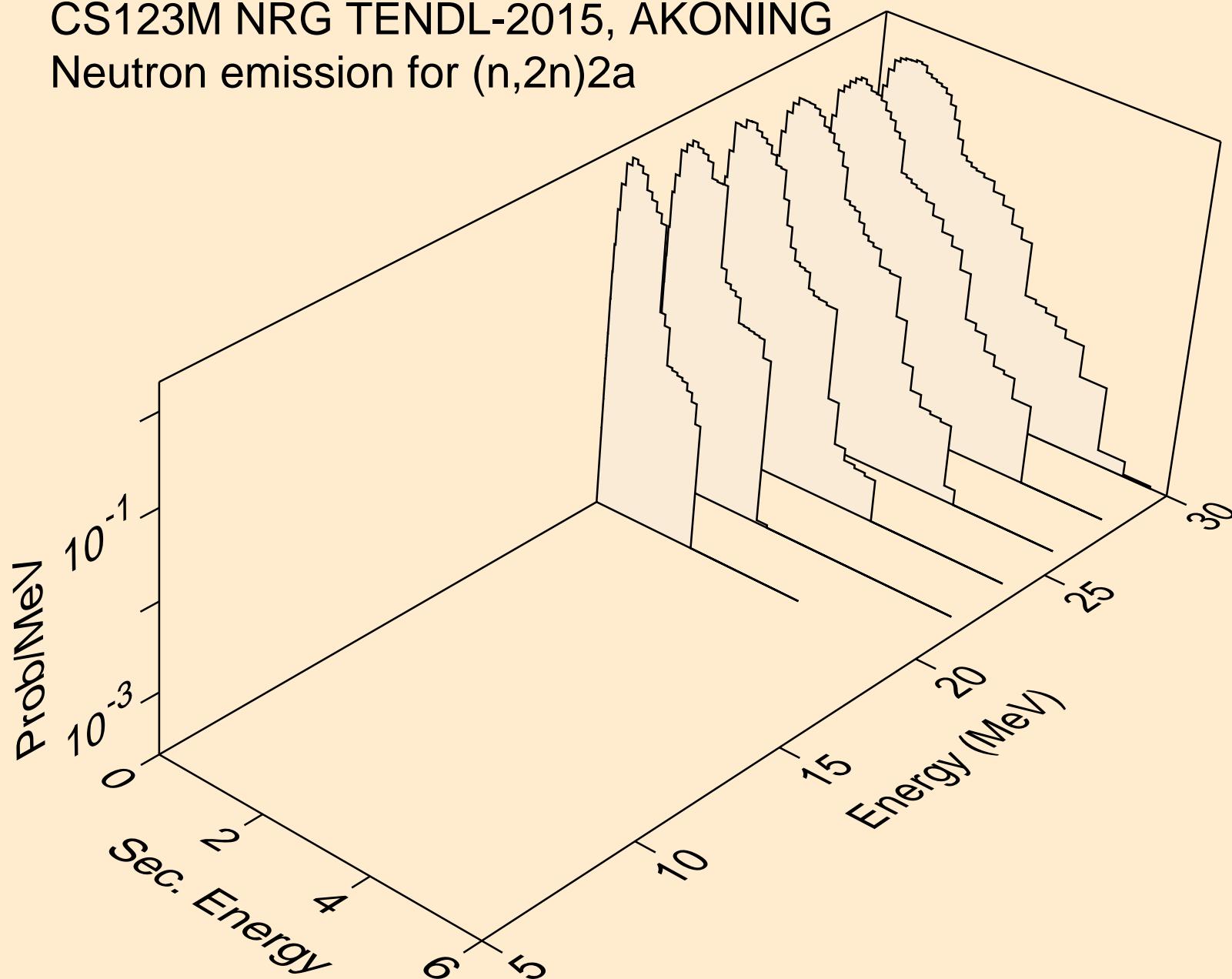
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



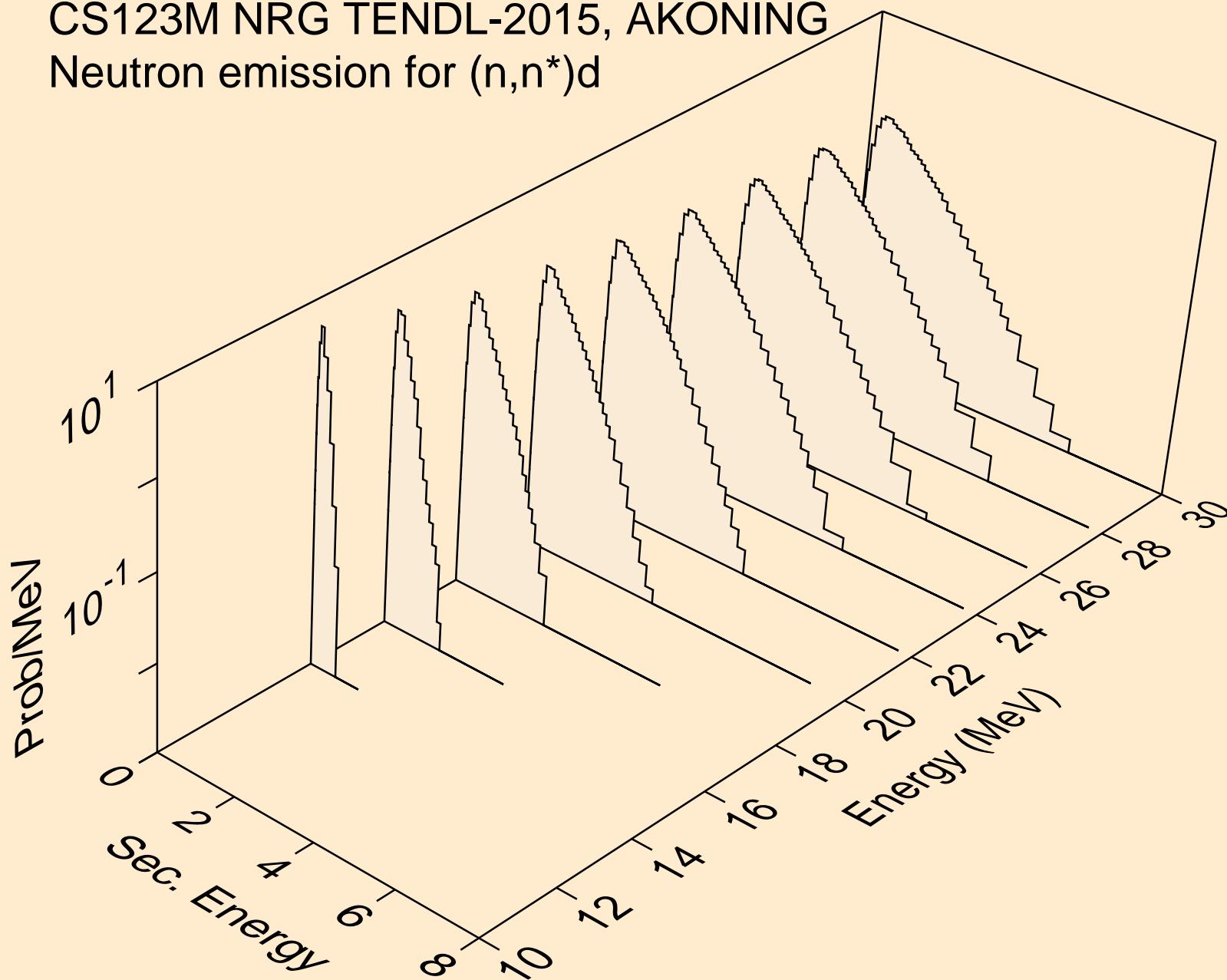
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



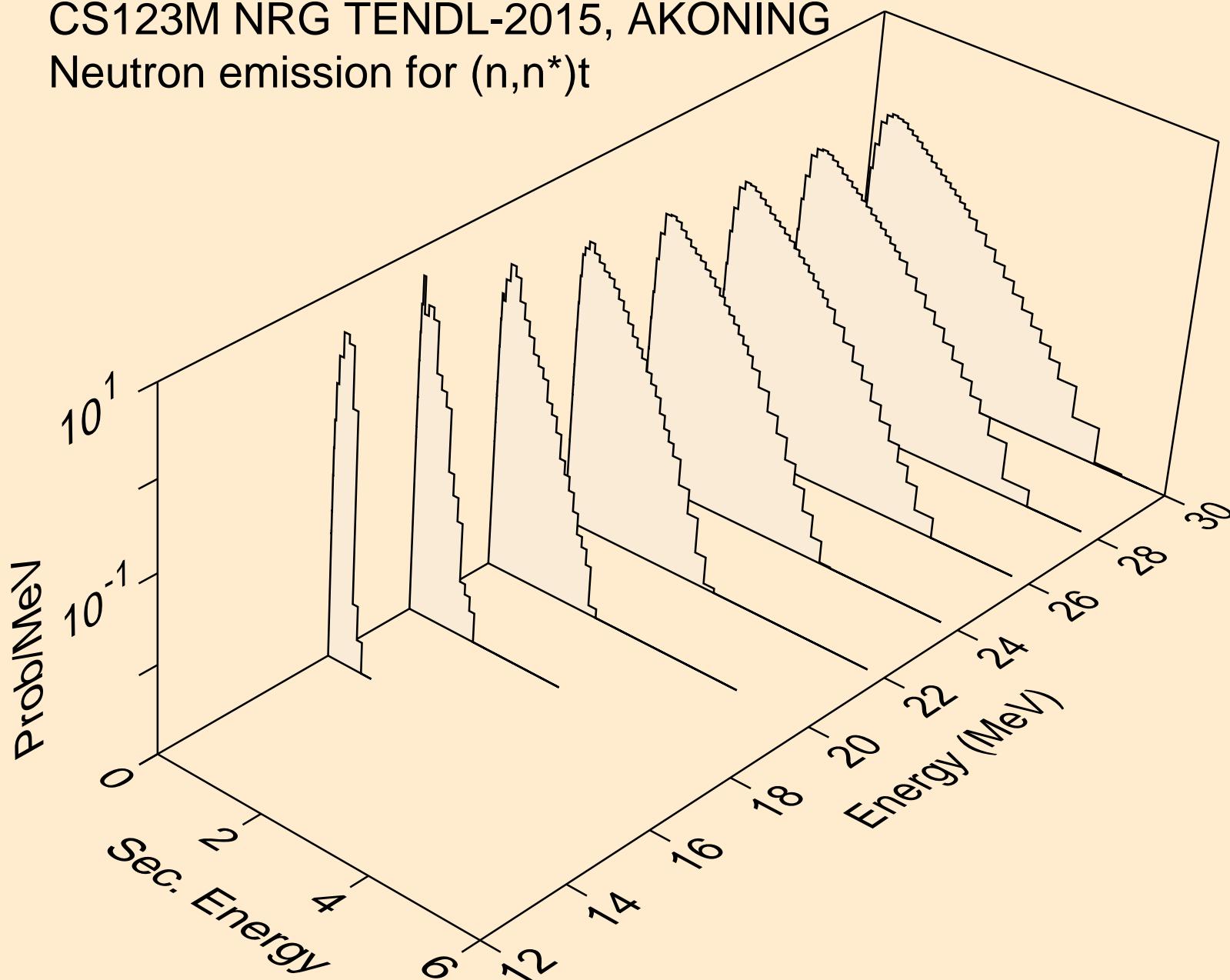
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



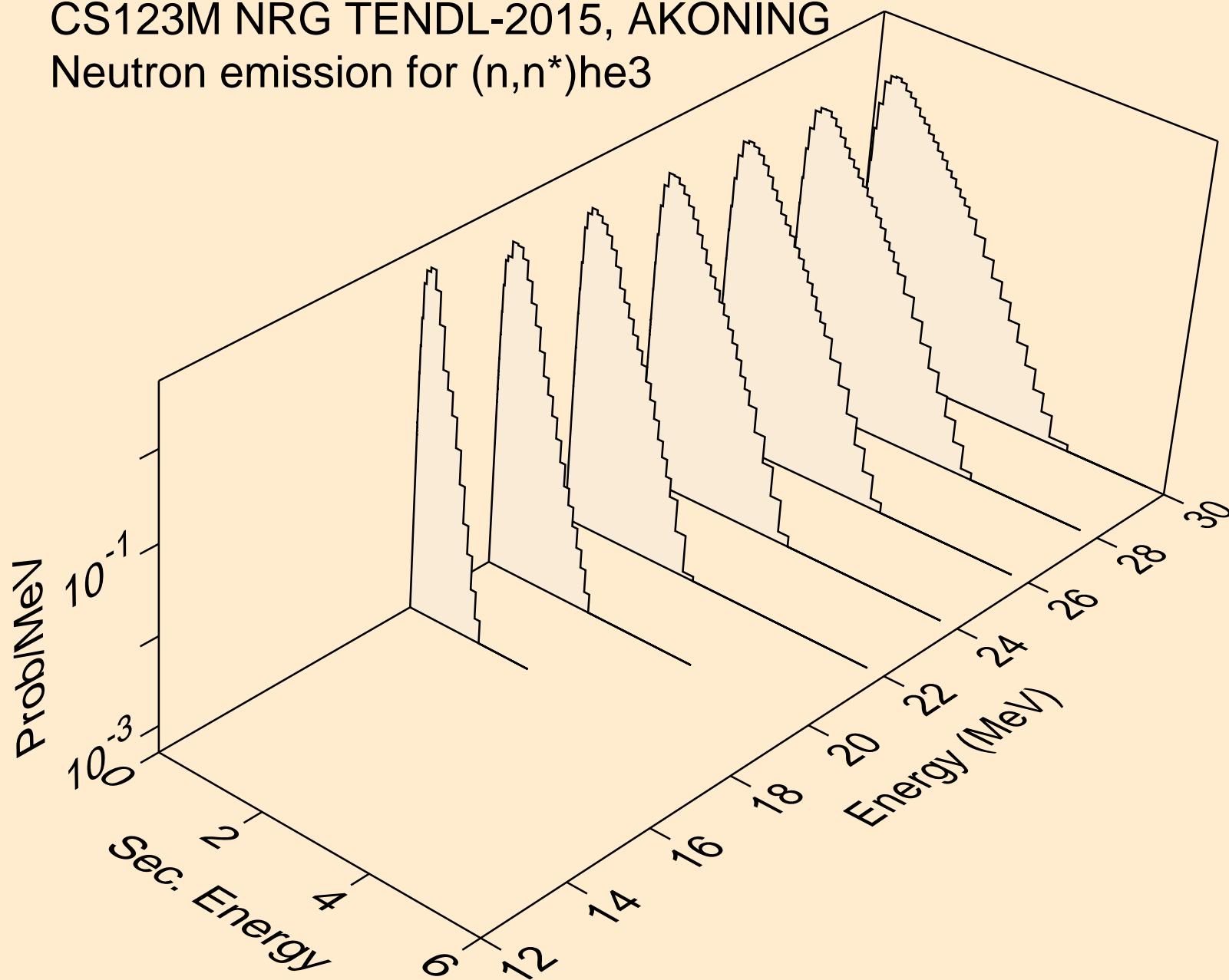
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



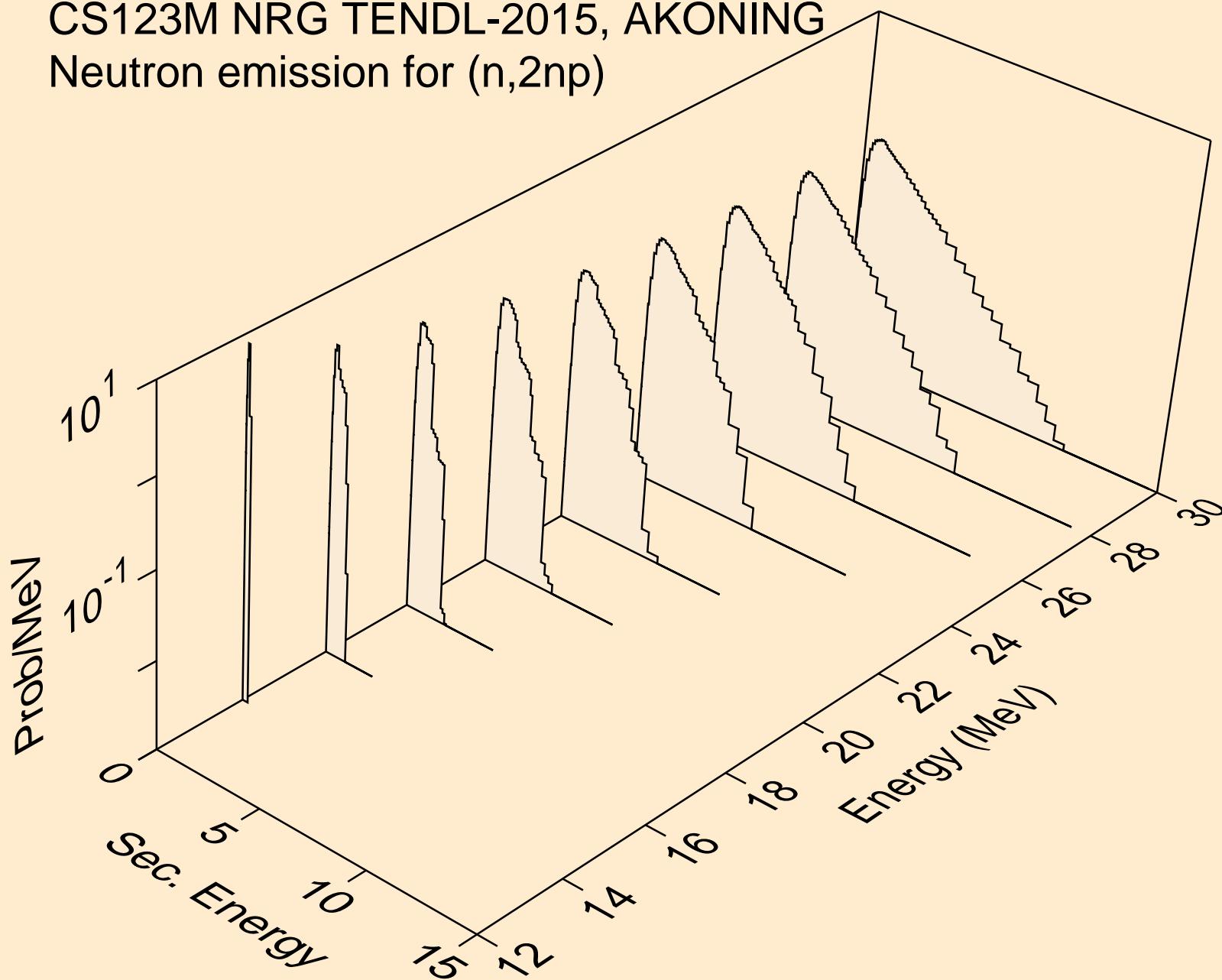
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



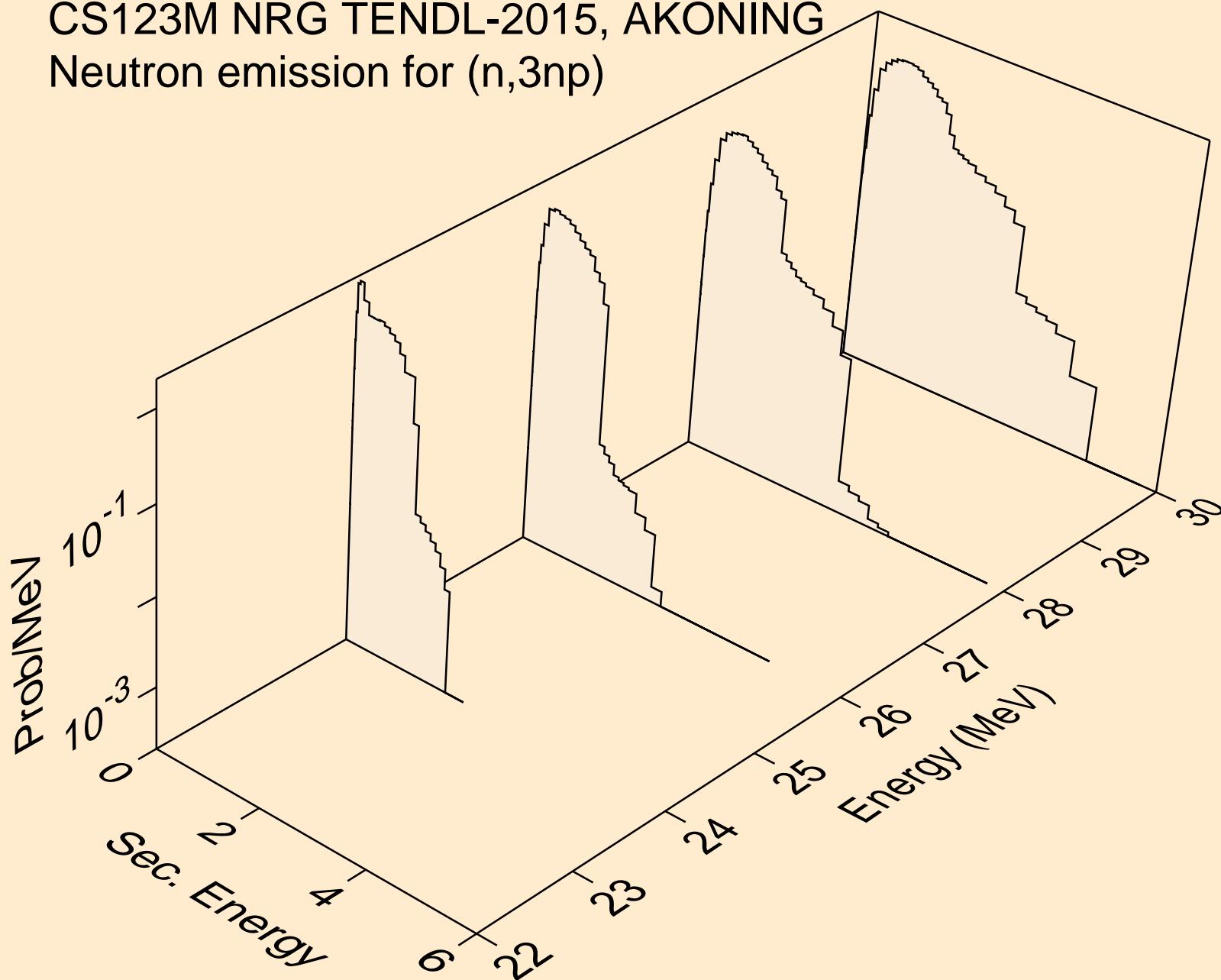
CS123M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



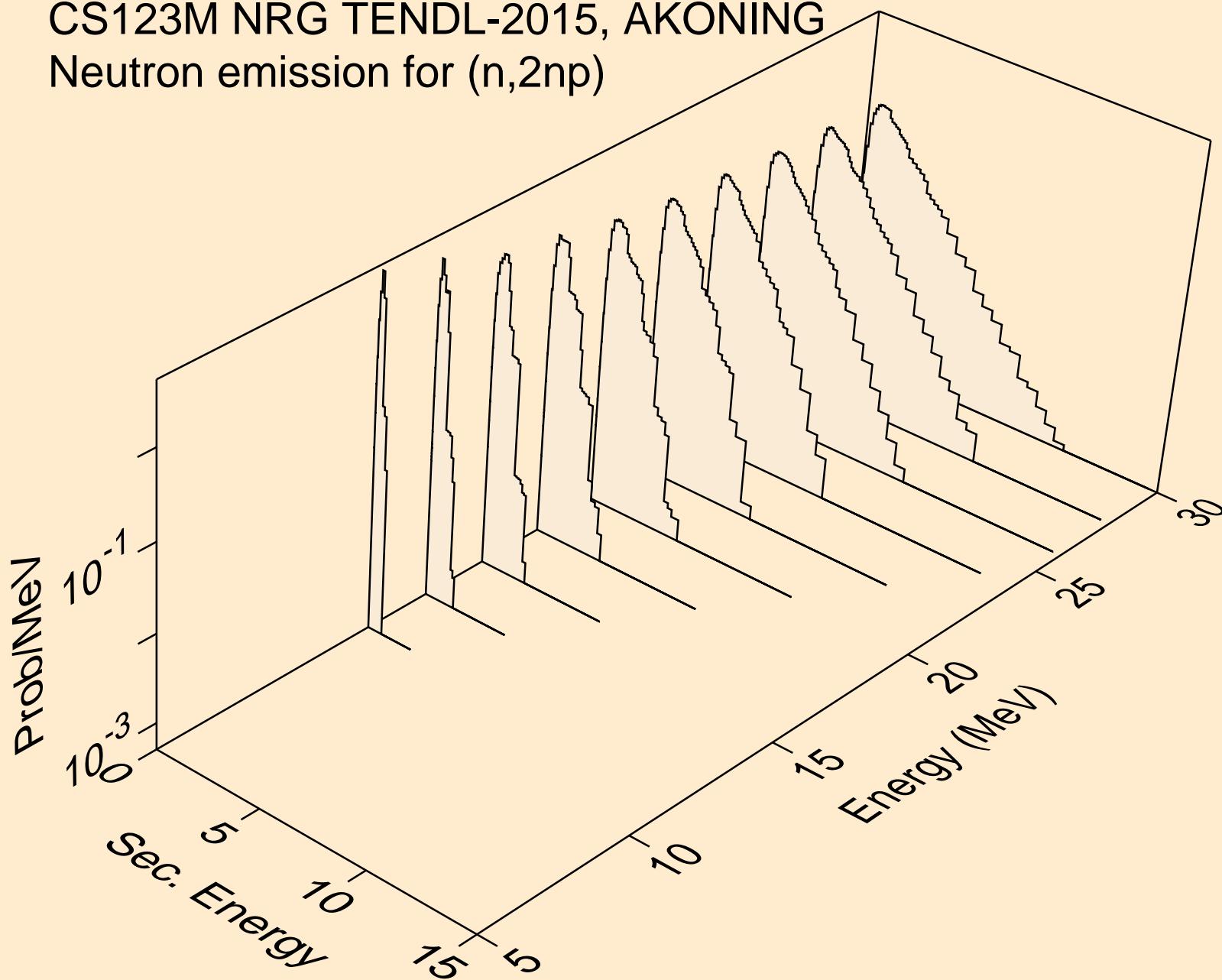
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



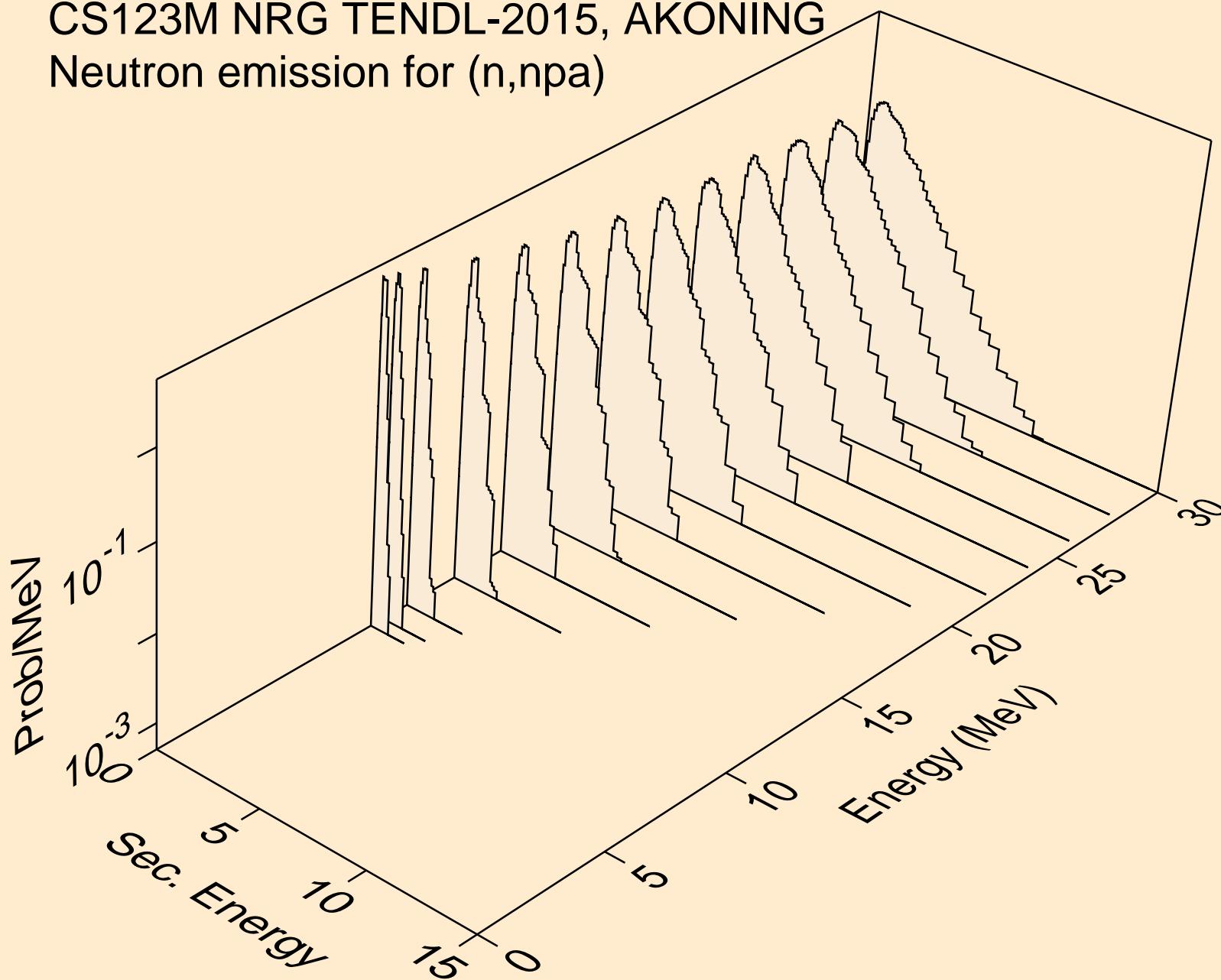
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



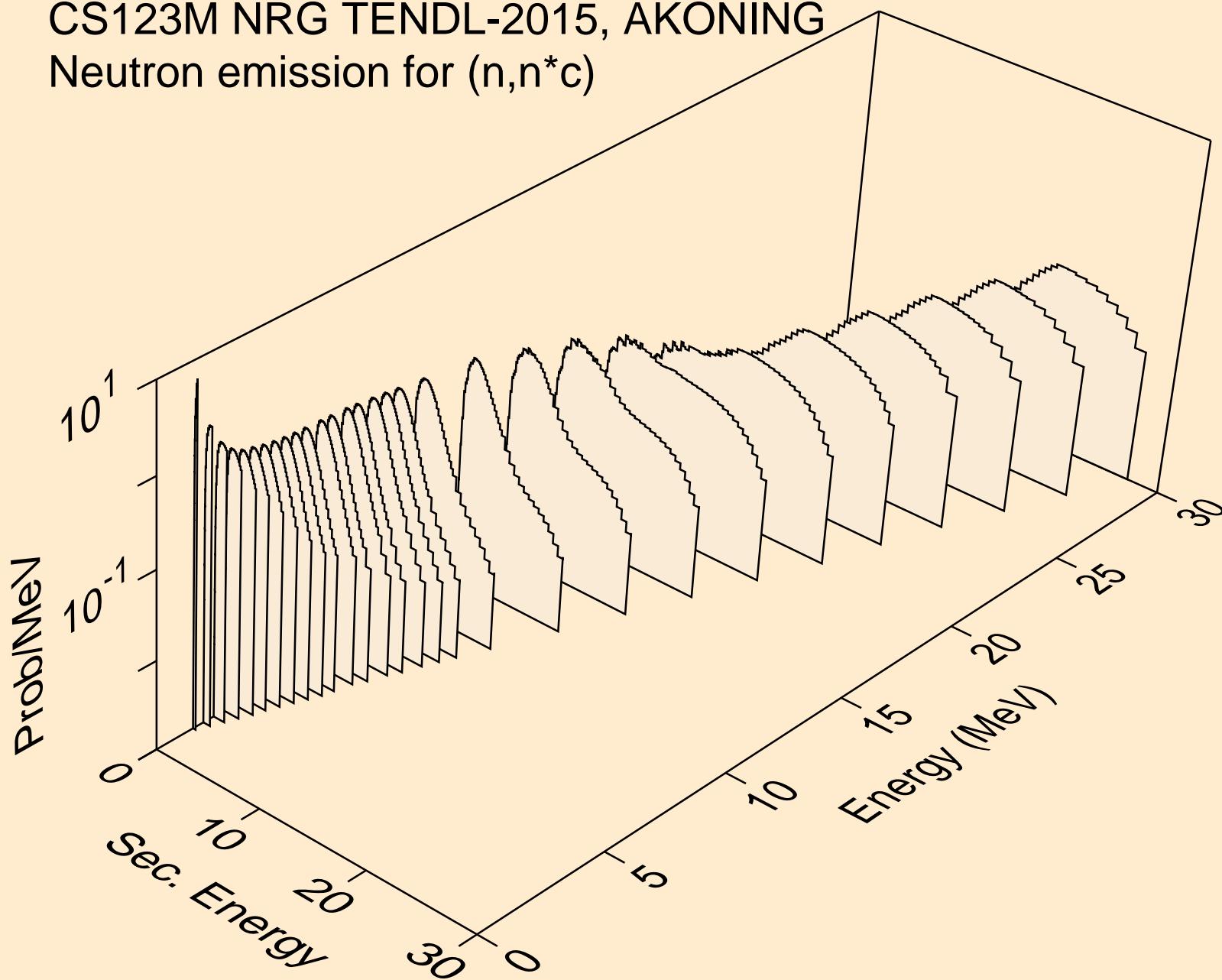
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



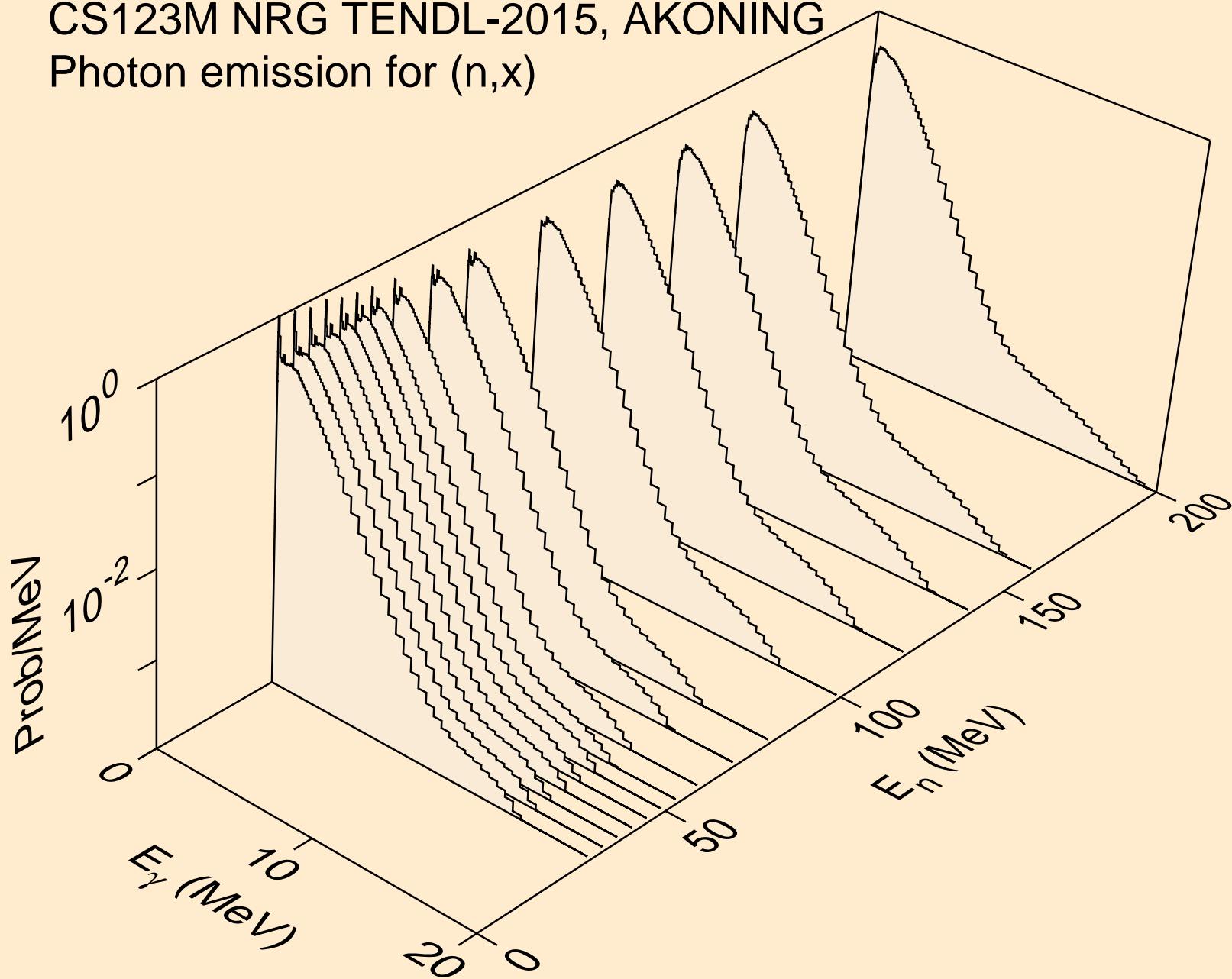
CS123M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



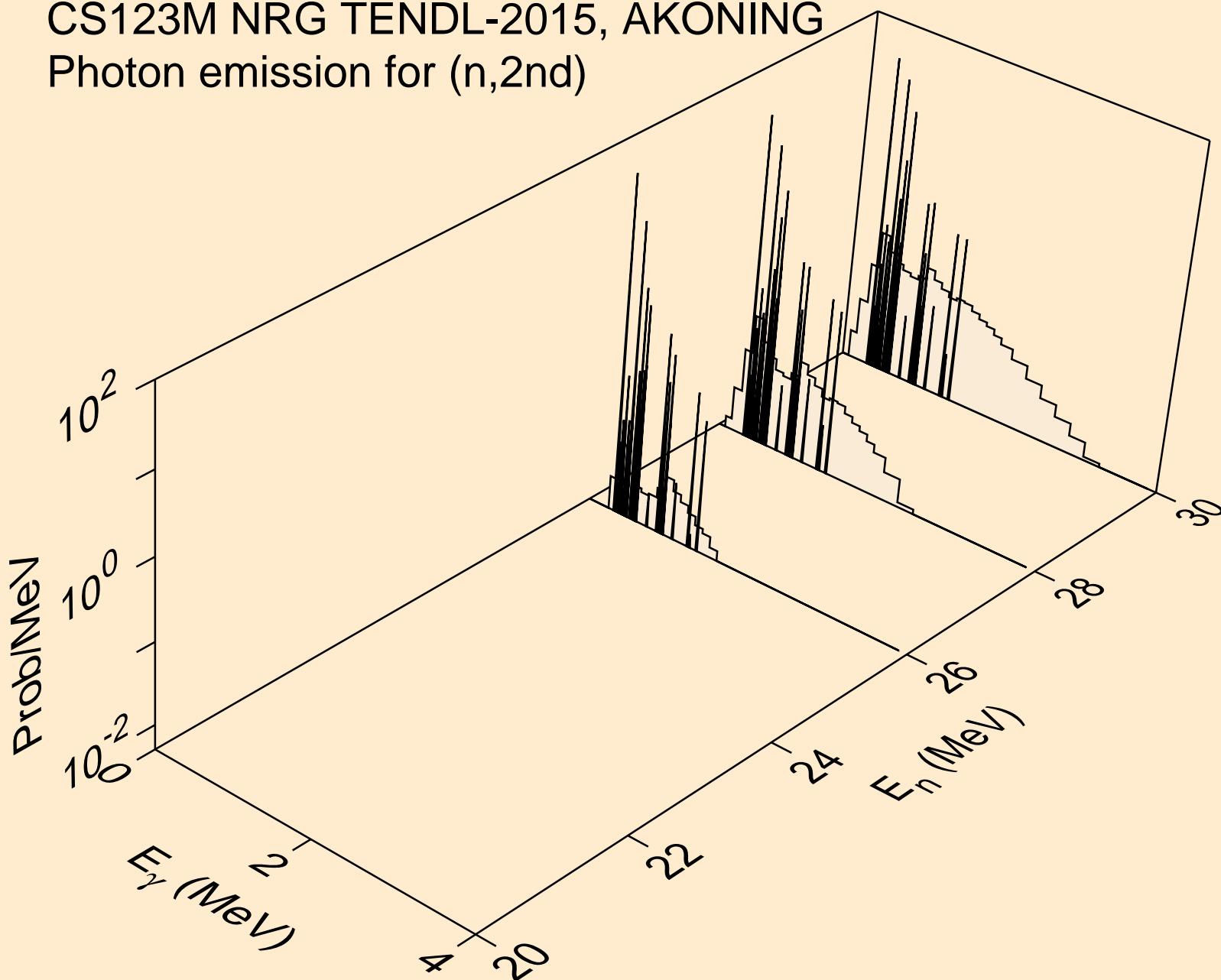
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Neutron emission for (n,n\*c)



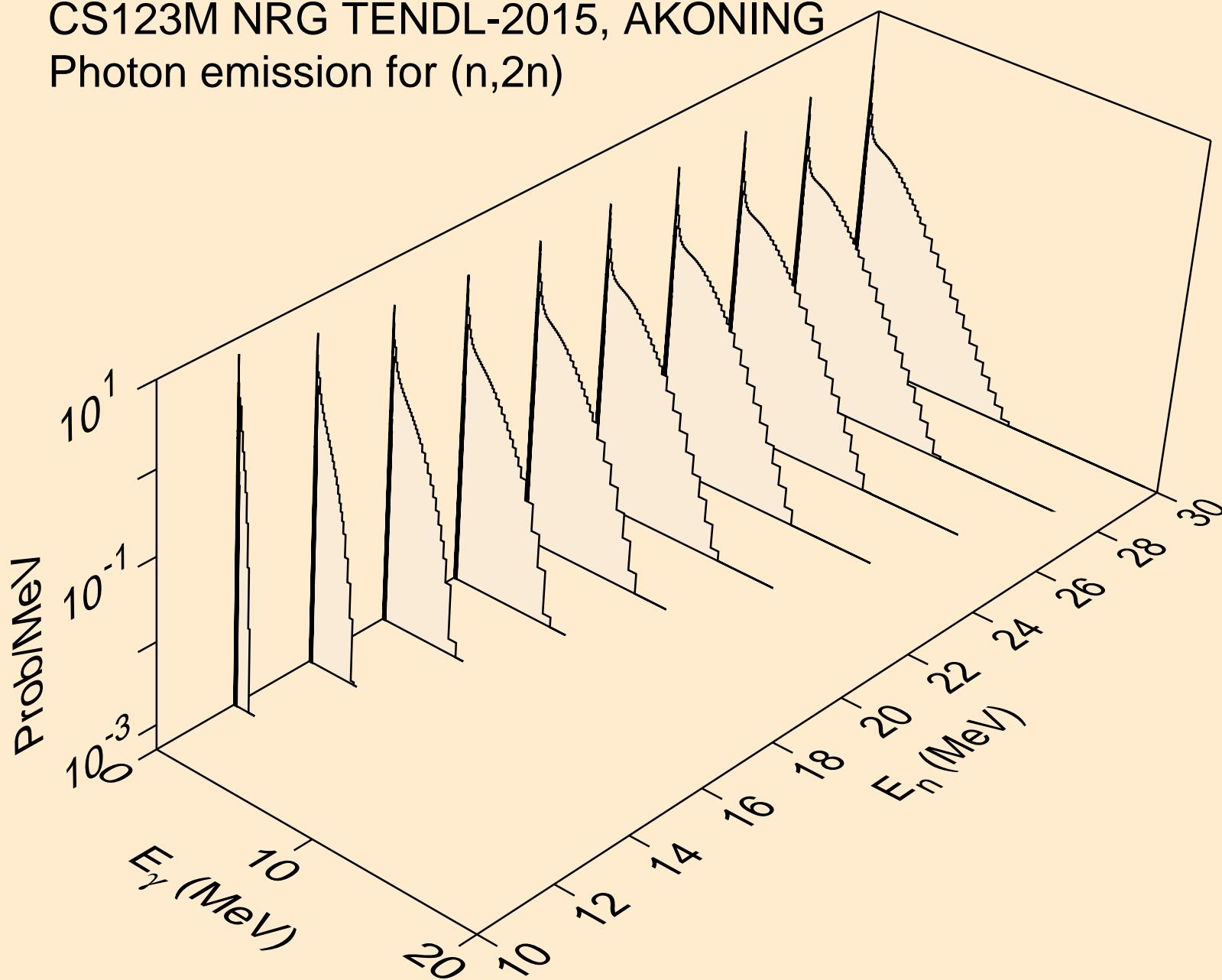
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Photon emission for (n,x)



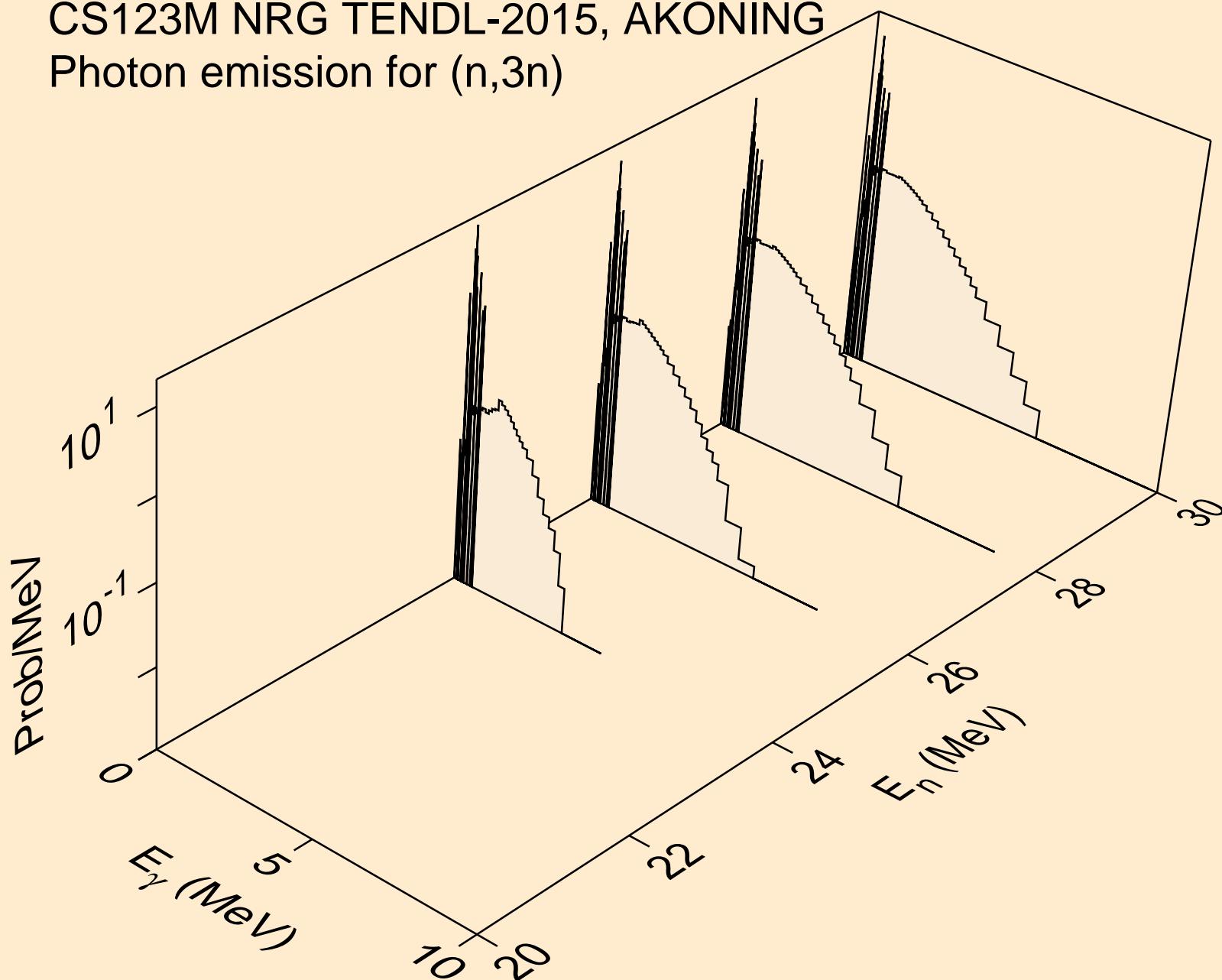
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Photon emission for (n,2nd)



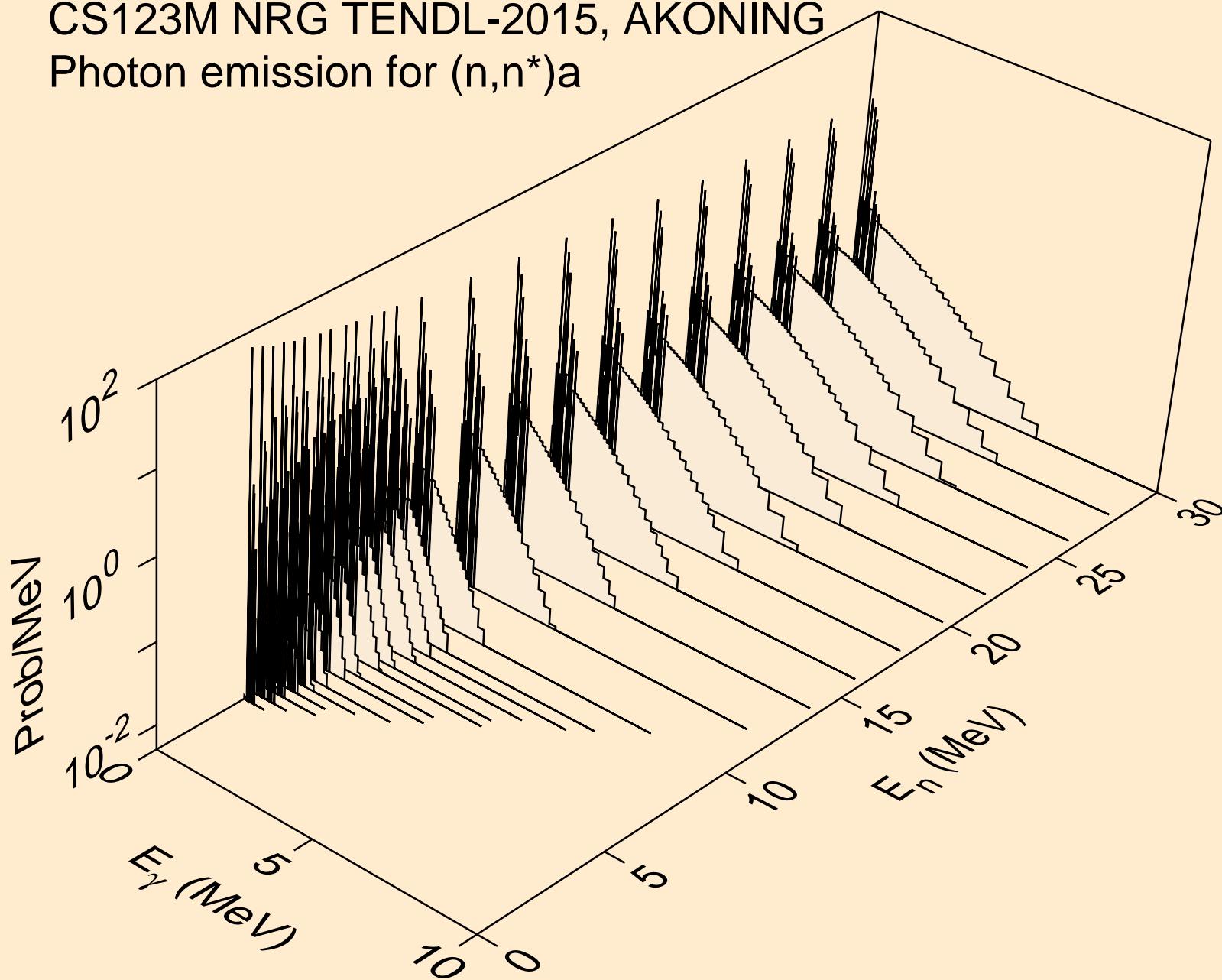
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



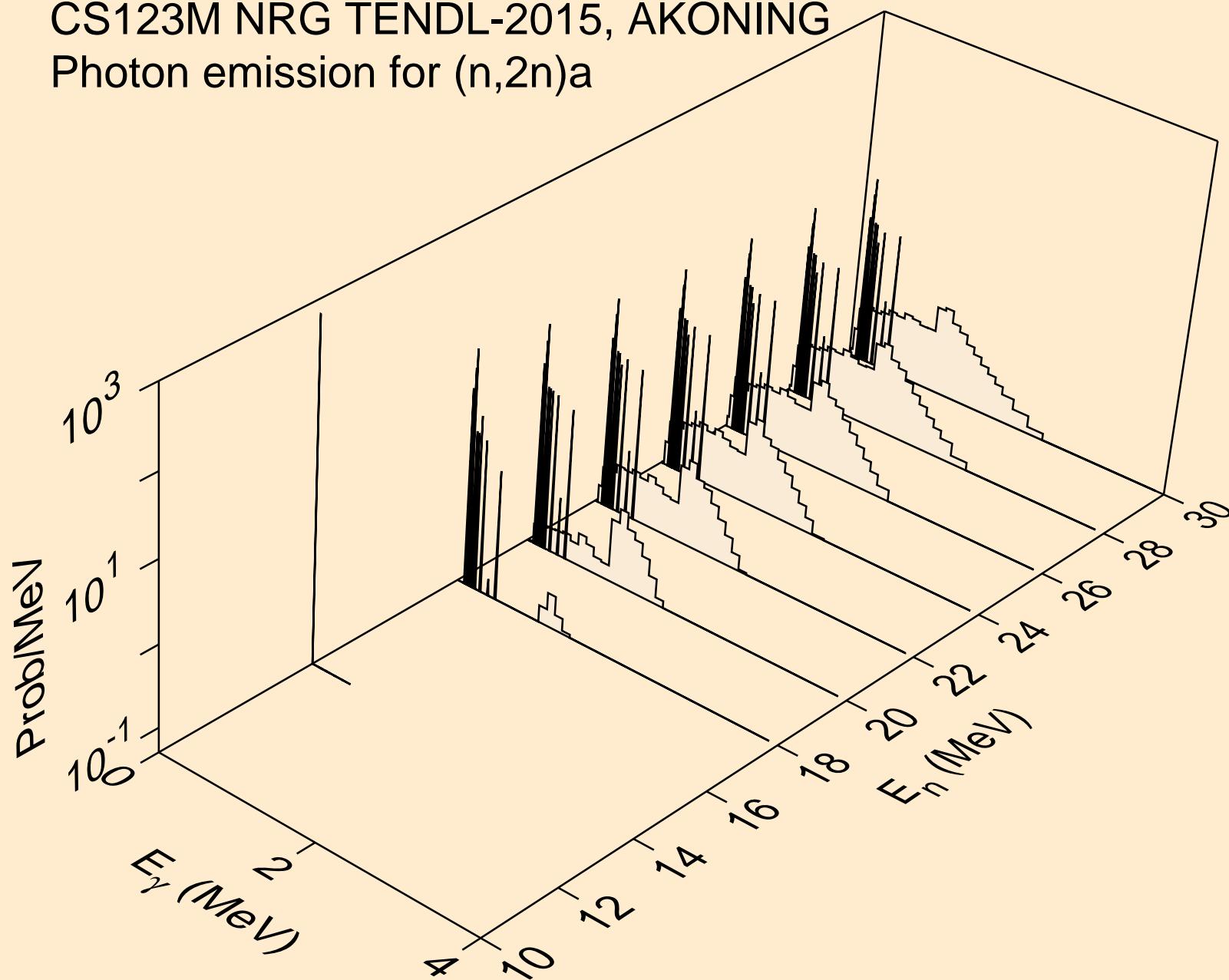
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Photon emission for (n,3n)



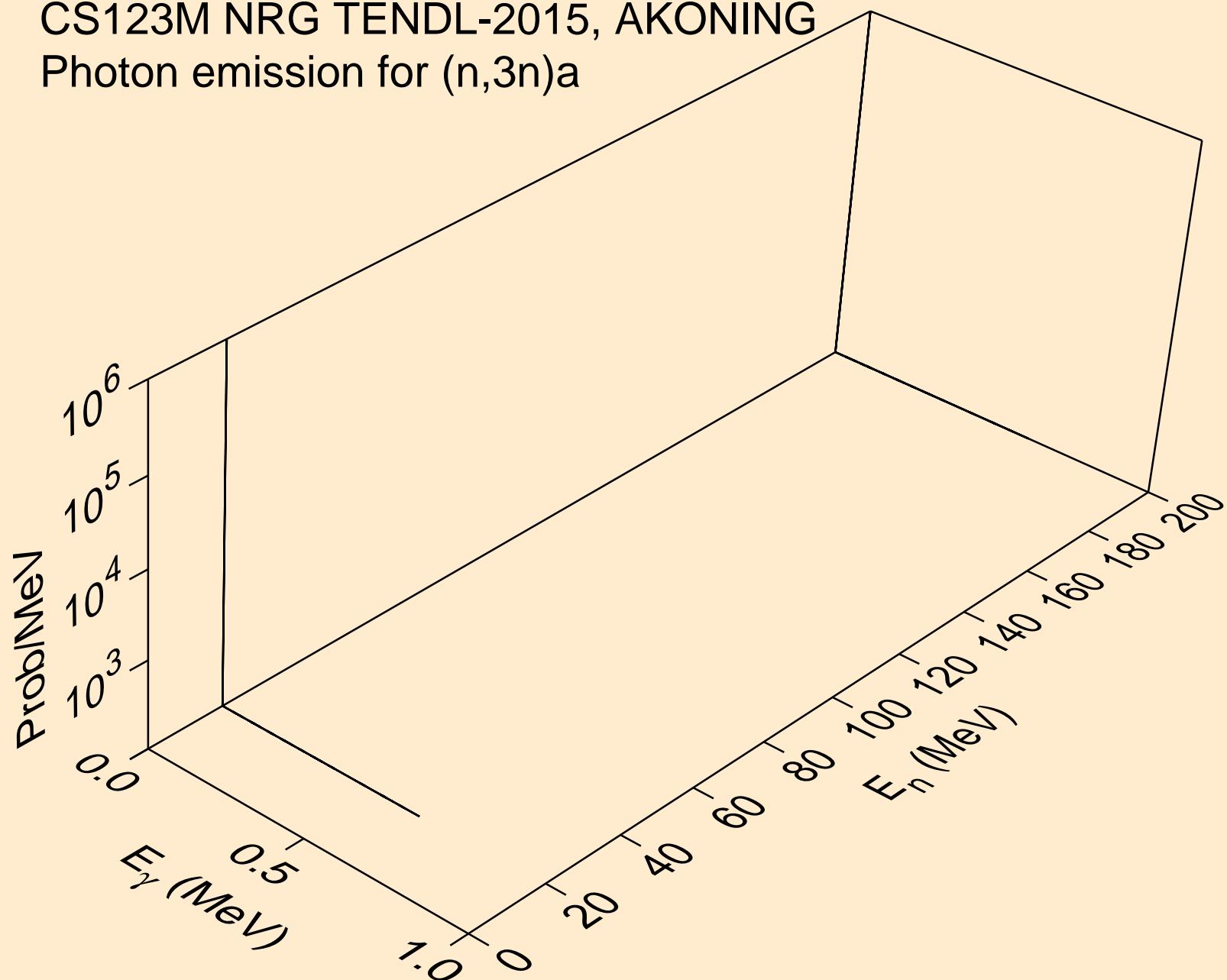
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Photon emission for  $(n,n^*)a$



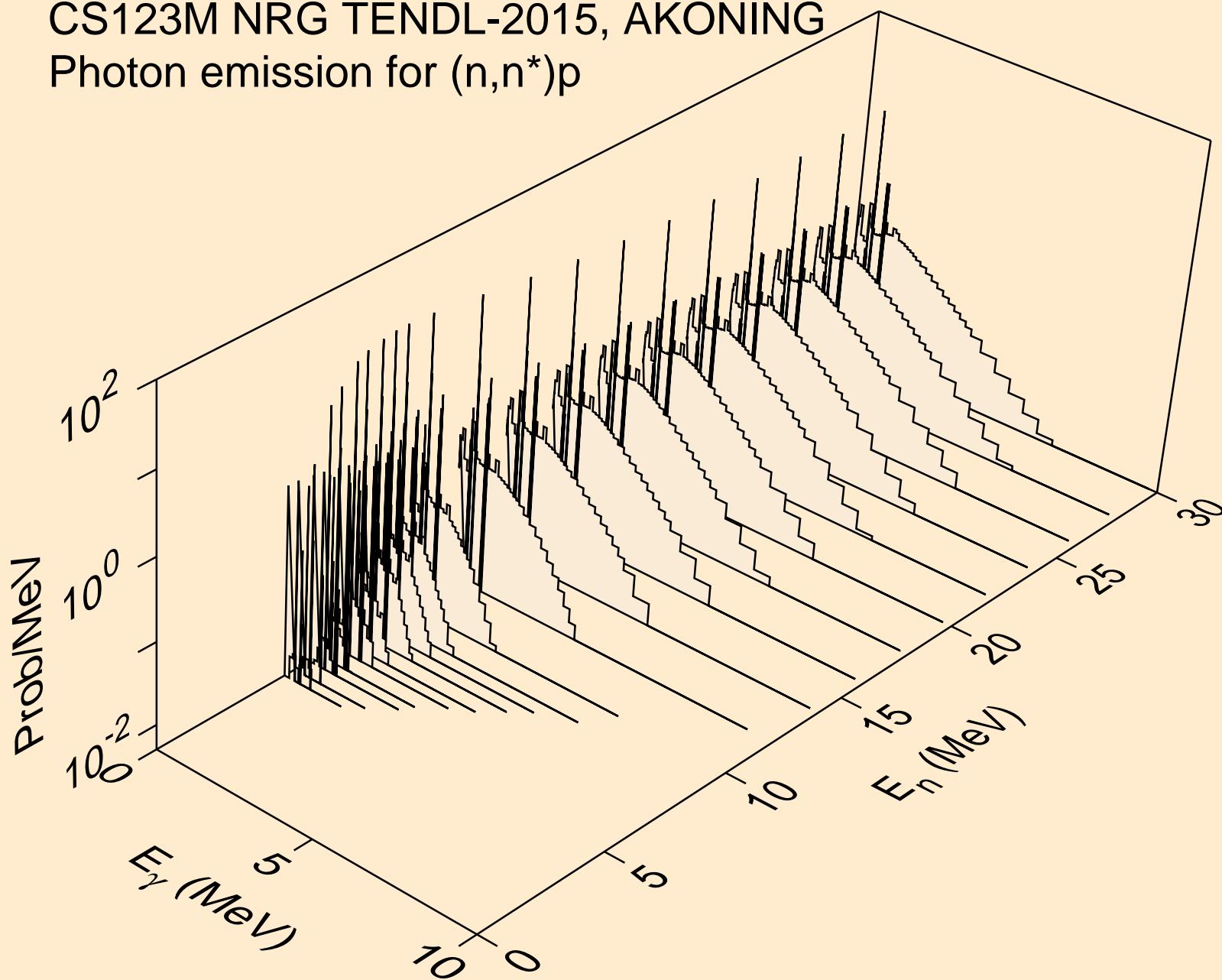
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Photon emission for (n,2n)a



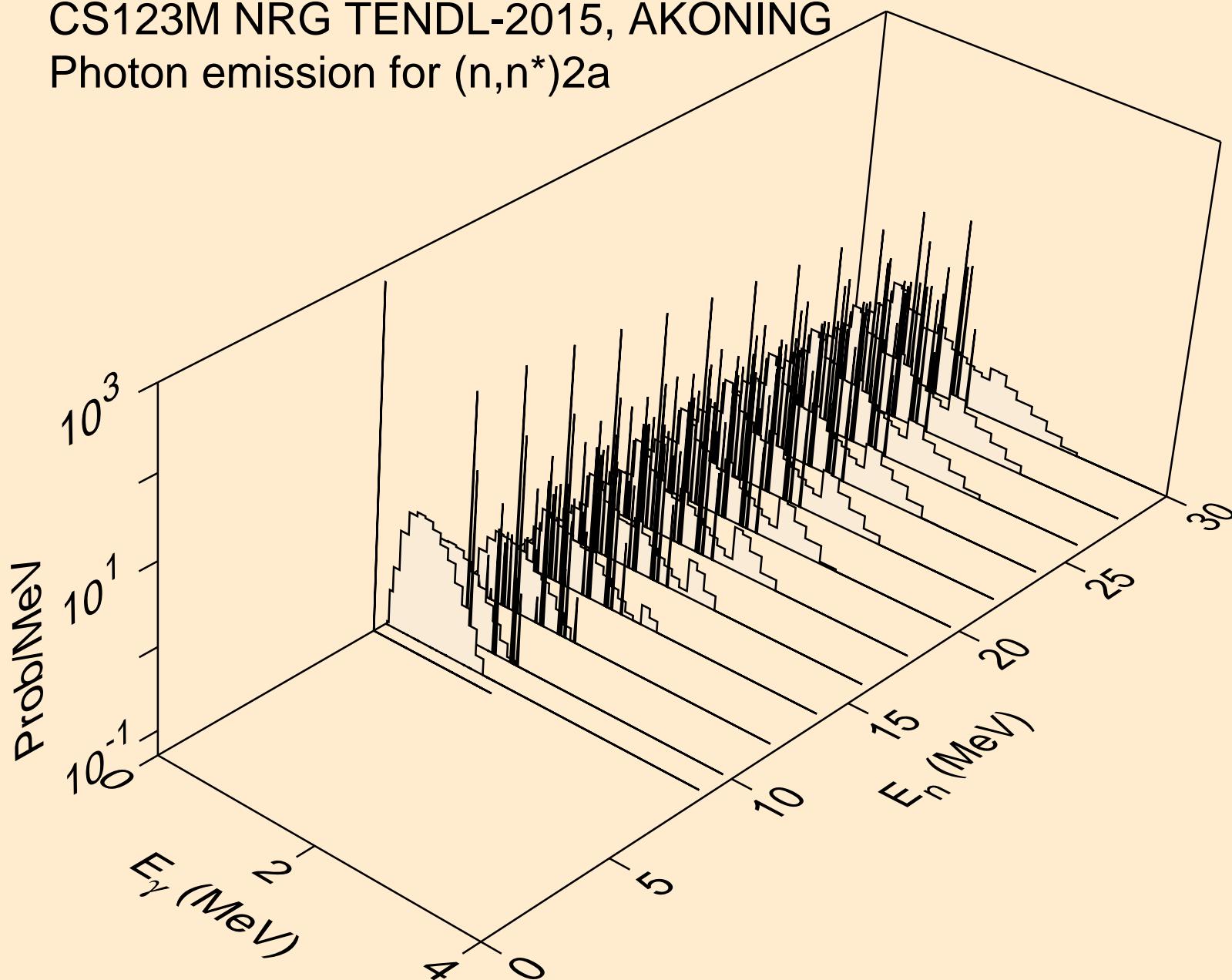
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



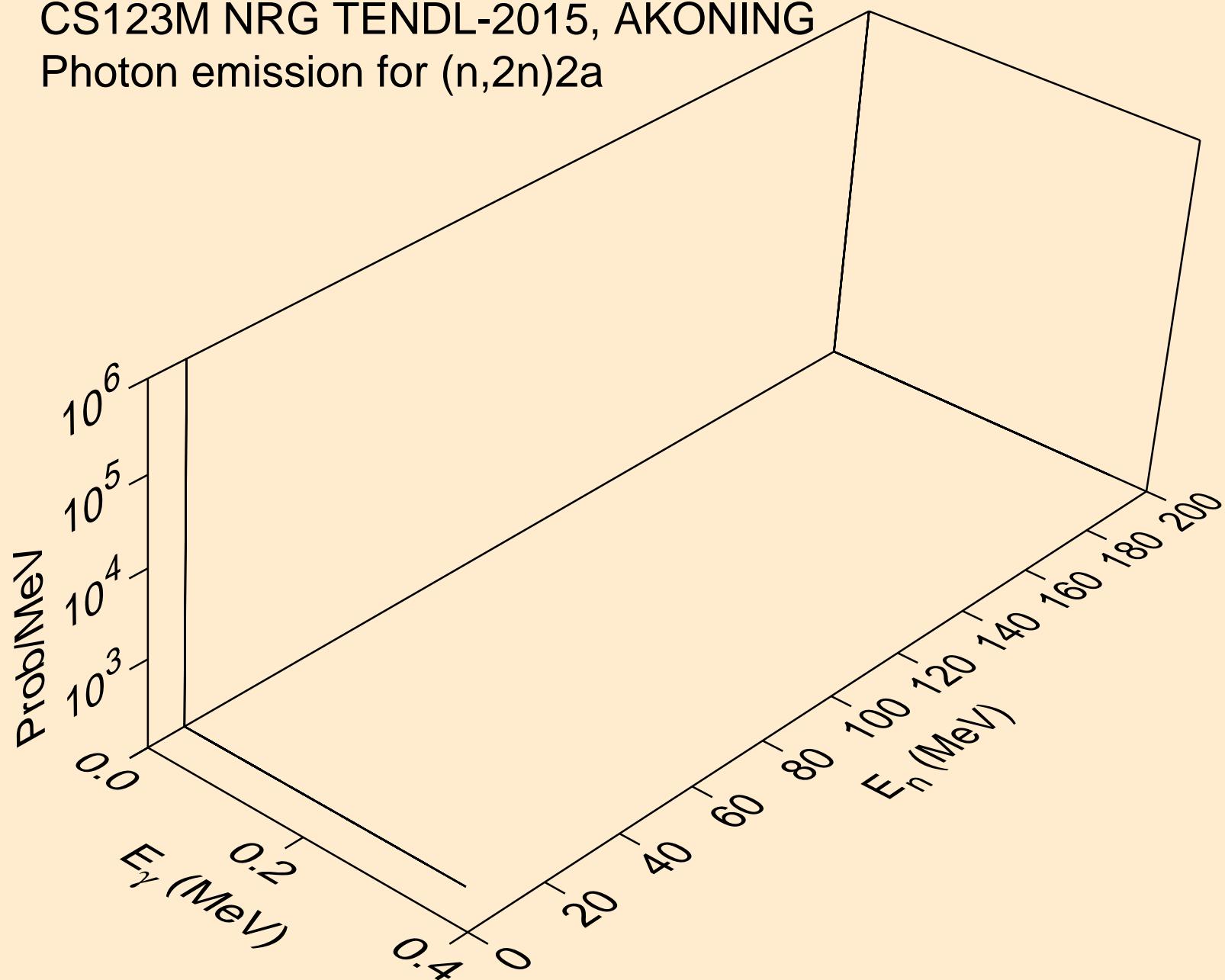
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Photon emission for  $(n,n^*)p$



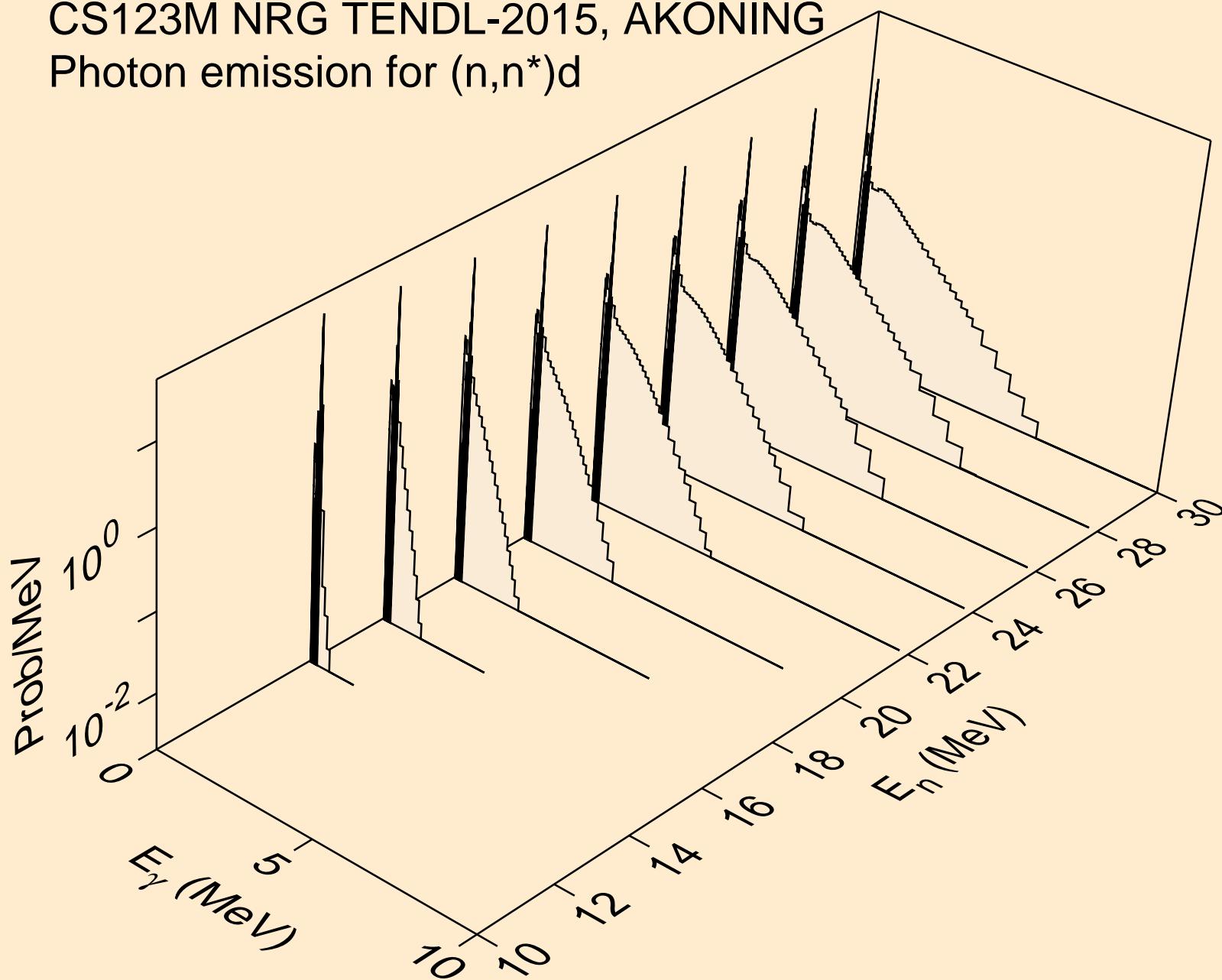
CS123M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



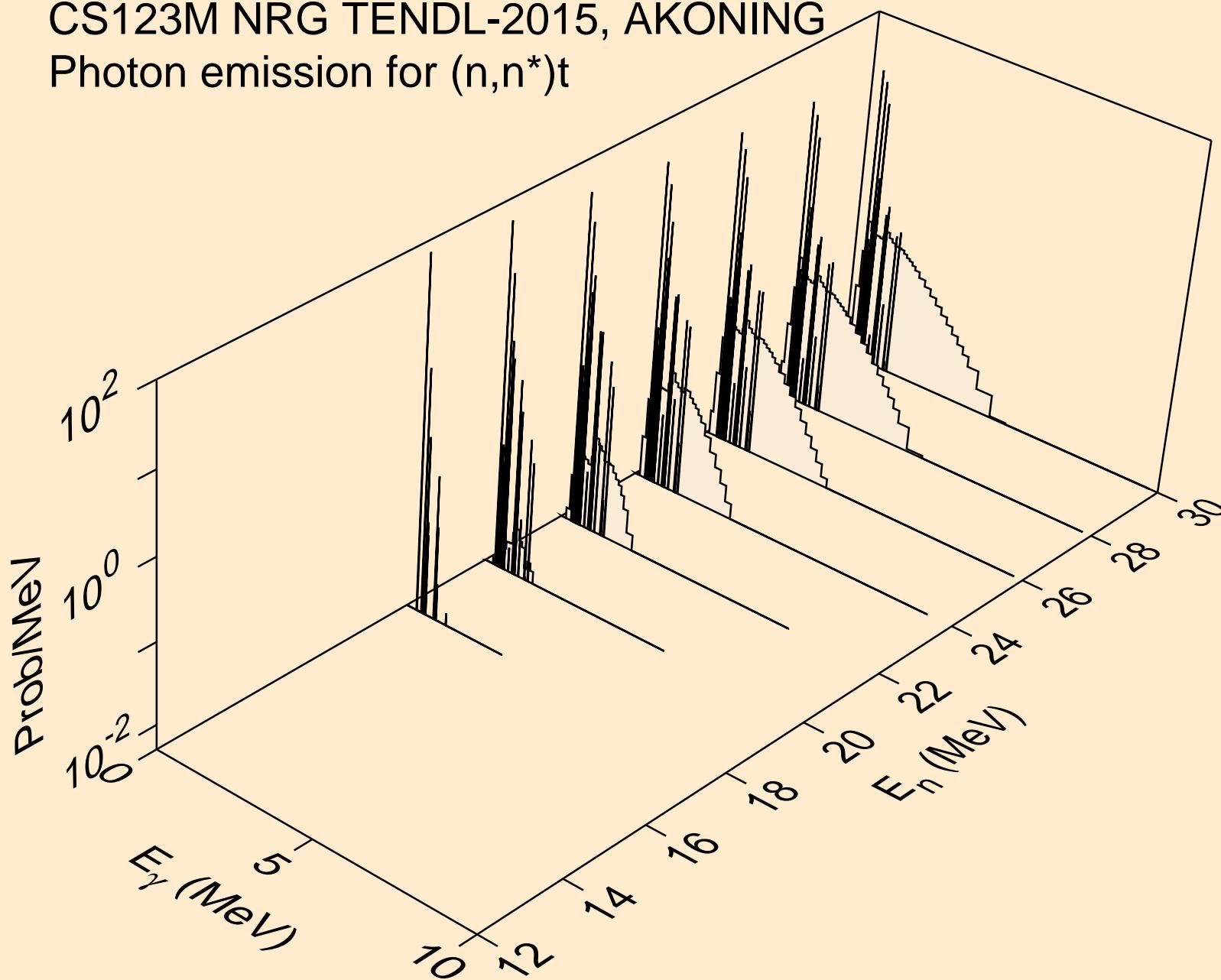
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



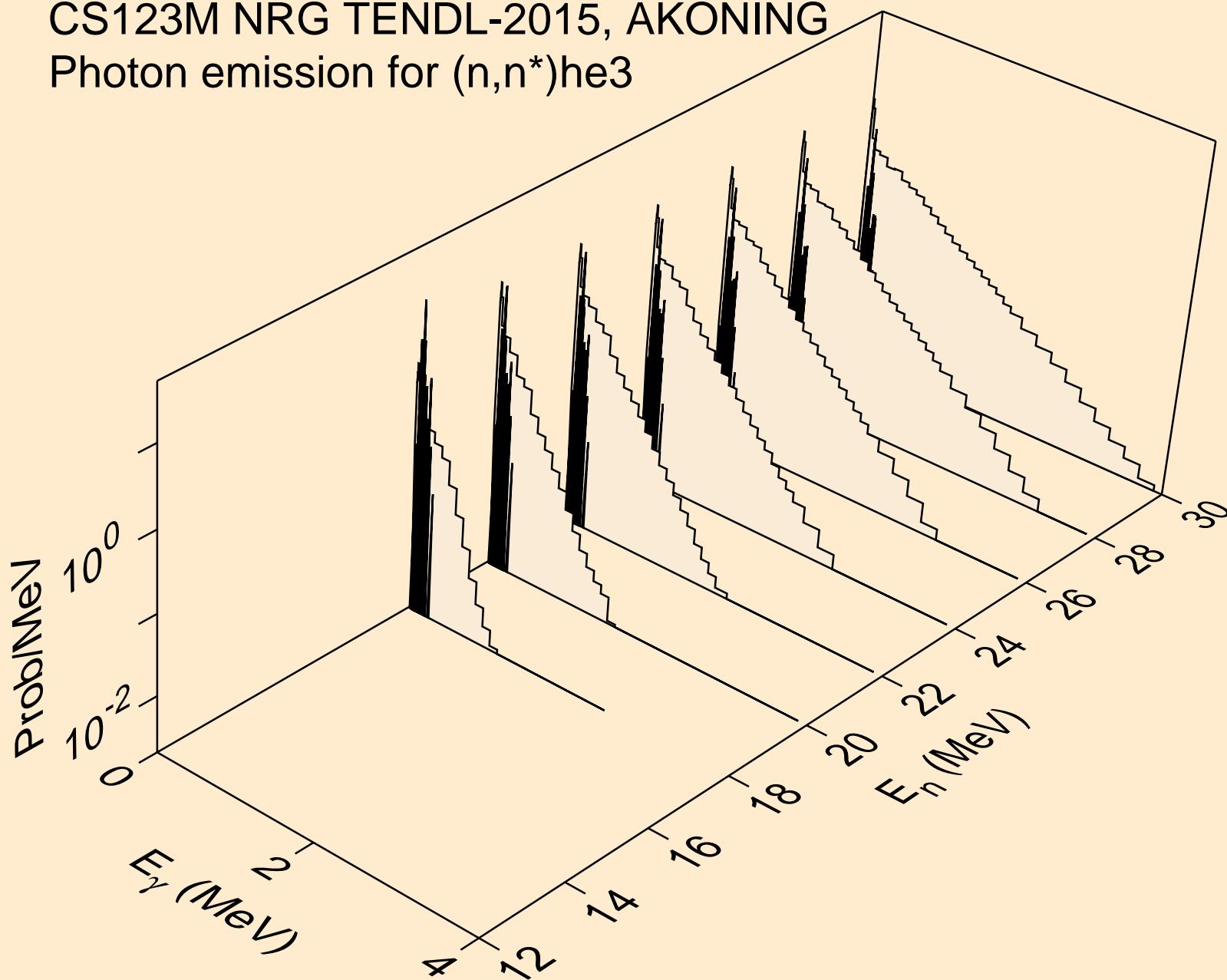
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Photon emission for  $(n,n^*)d$



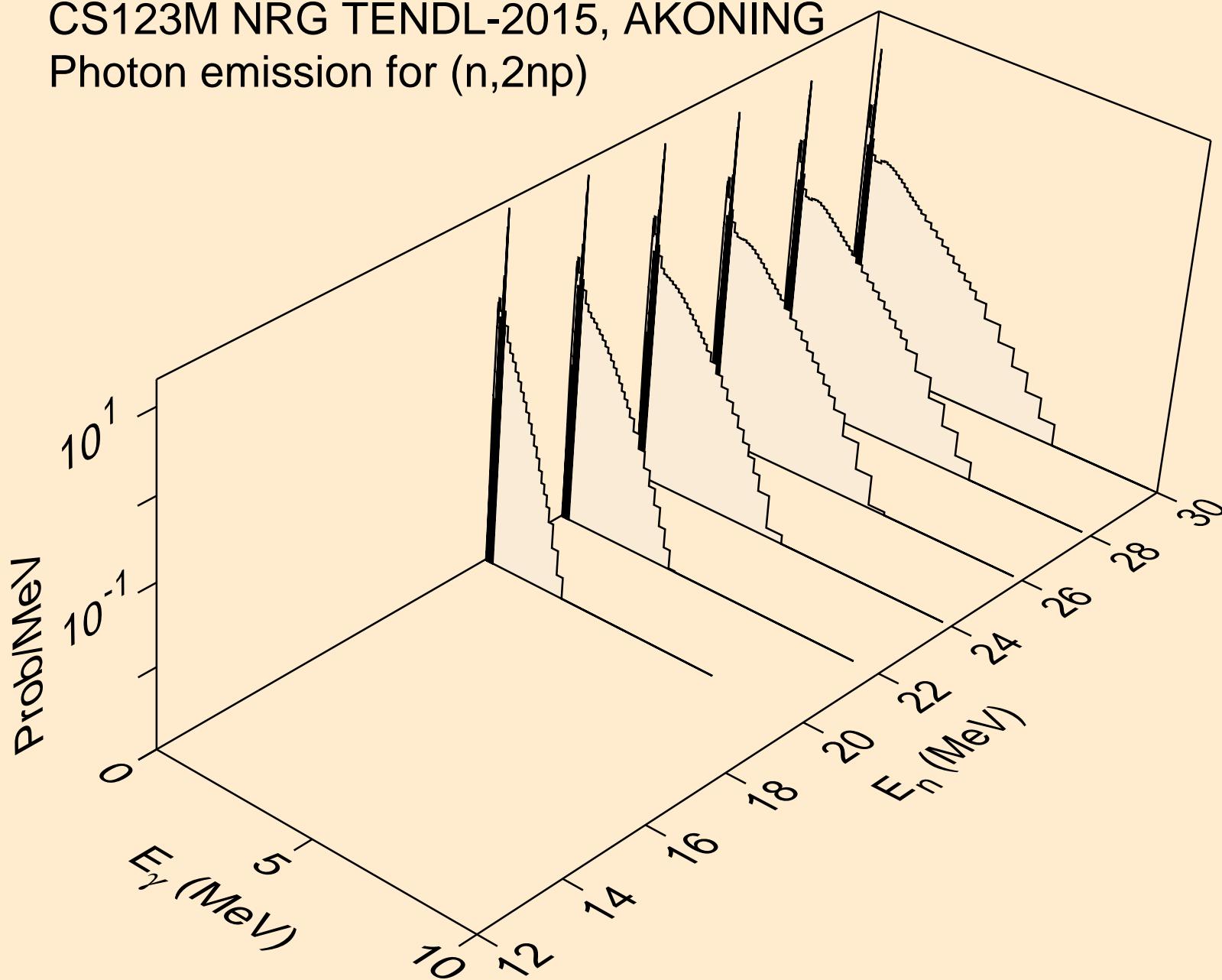
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Photon emission for  $(n,n^*)t$



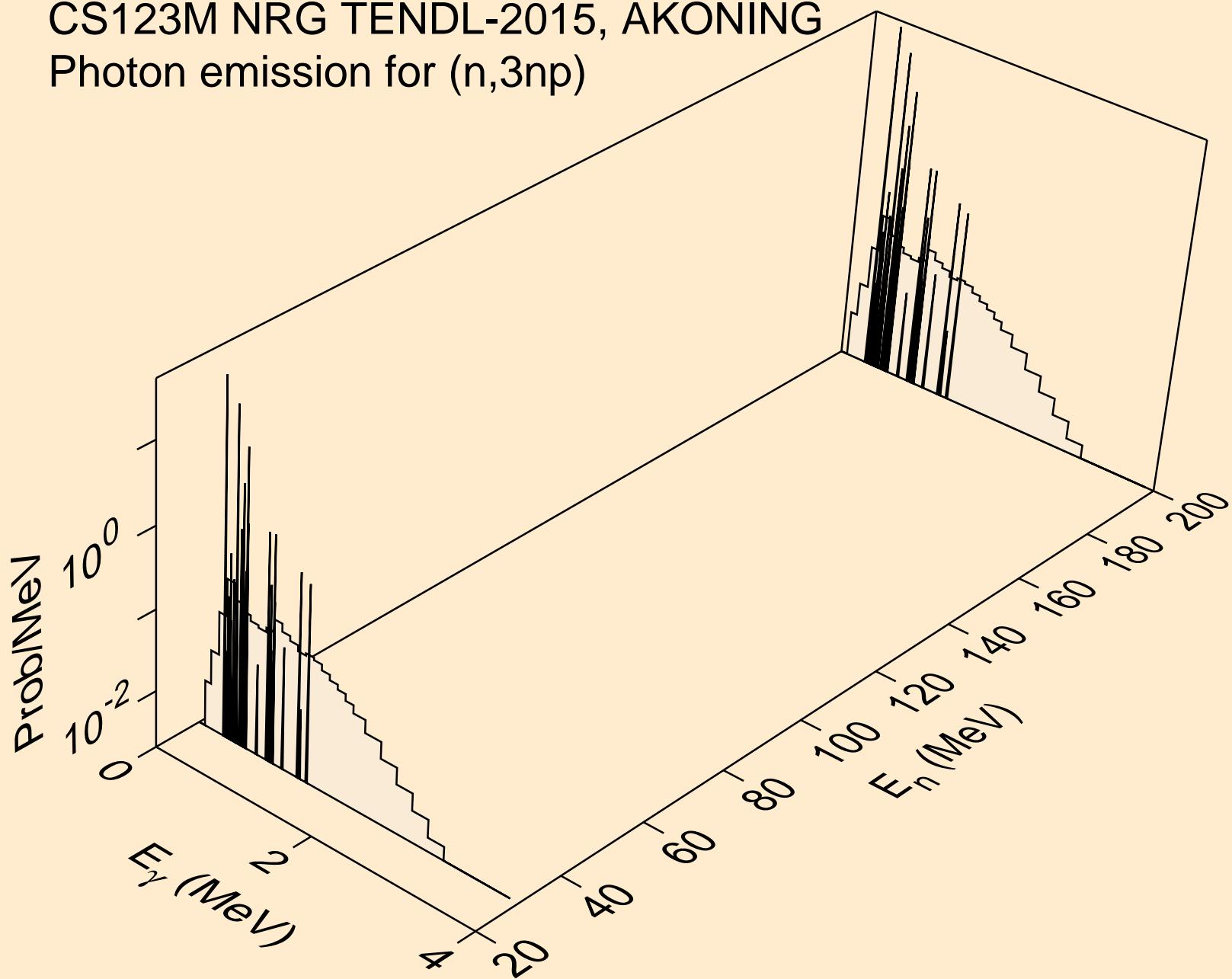
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Photon emission for  $(n,n^*)\text{he3}$



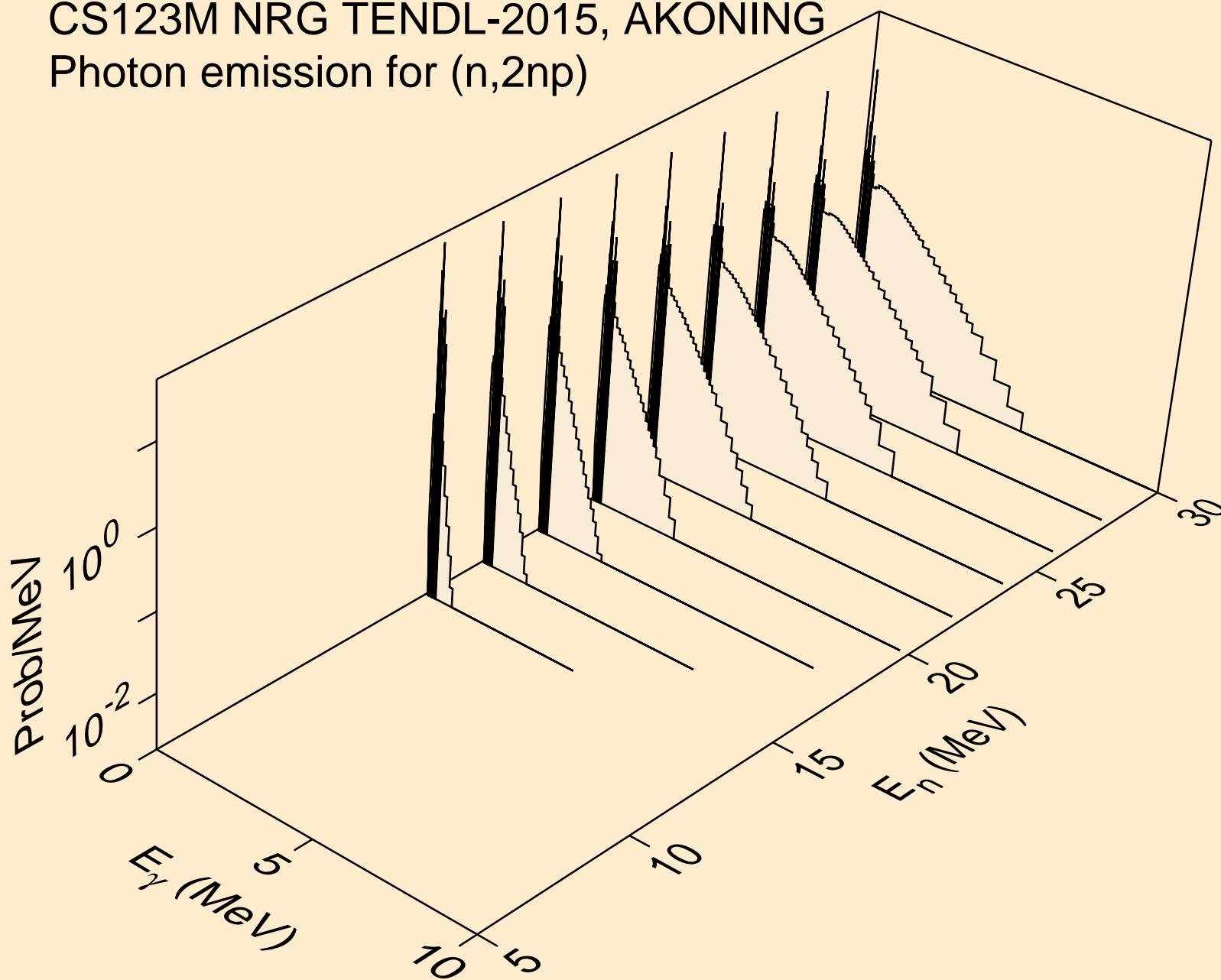
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Photon emission for (n,2np)



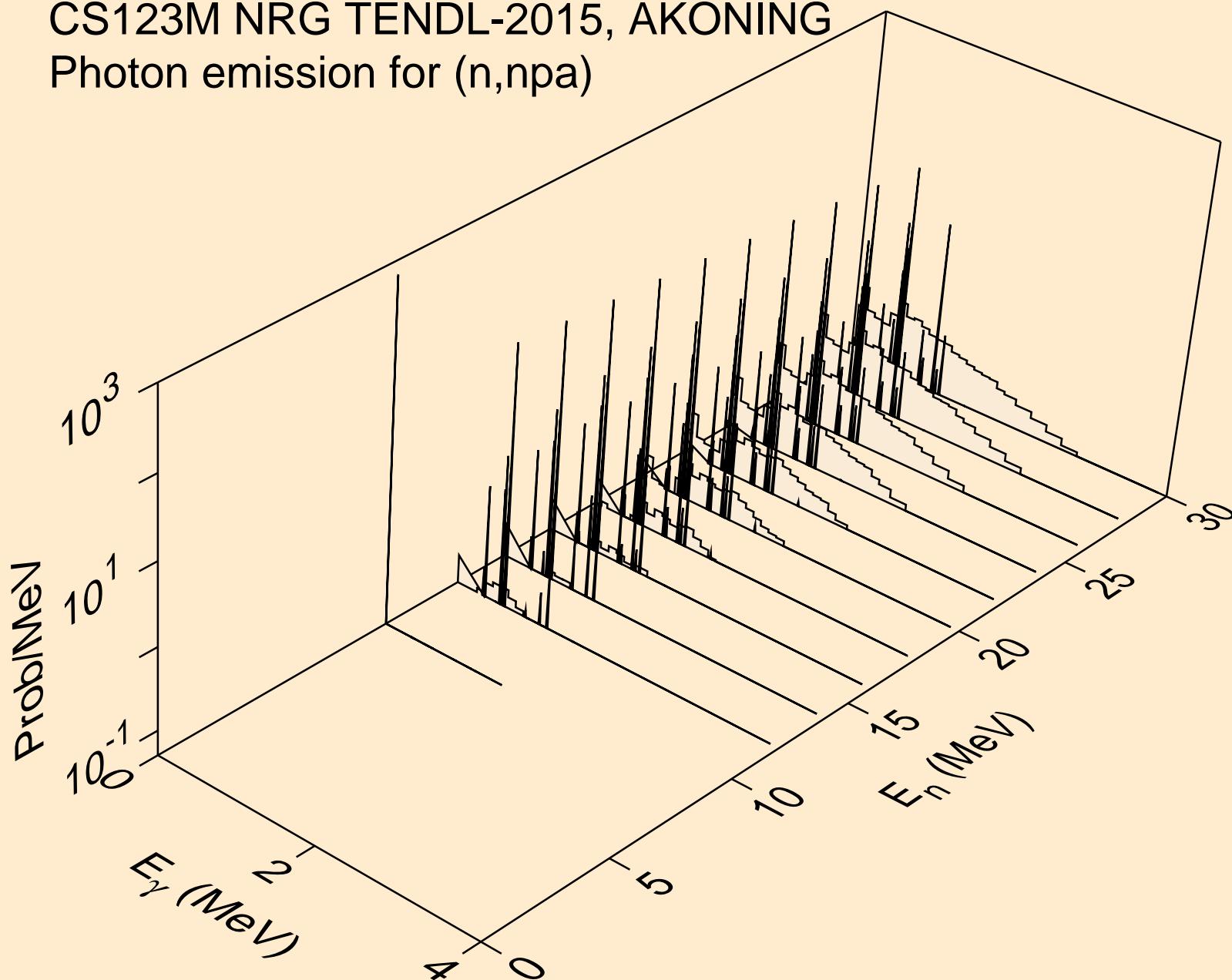
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Photon emission for (n,3np)



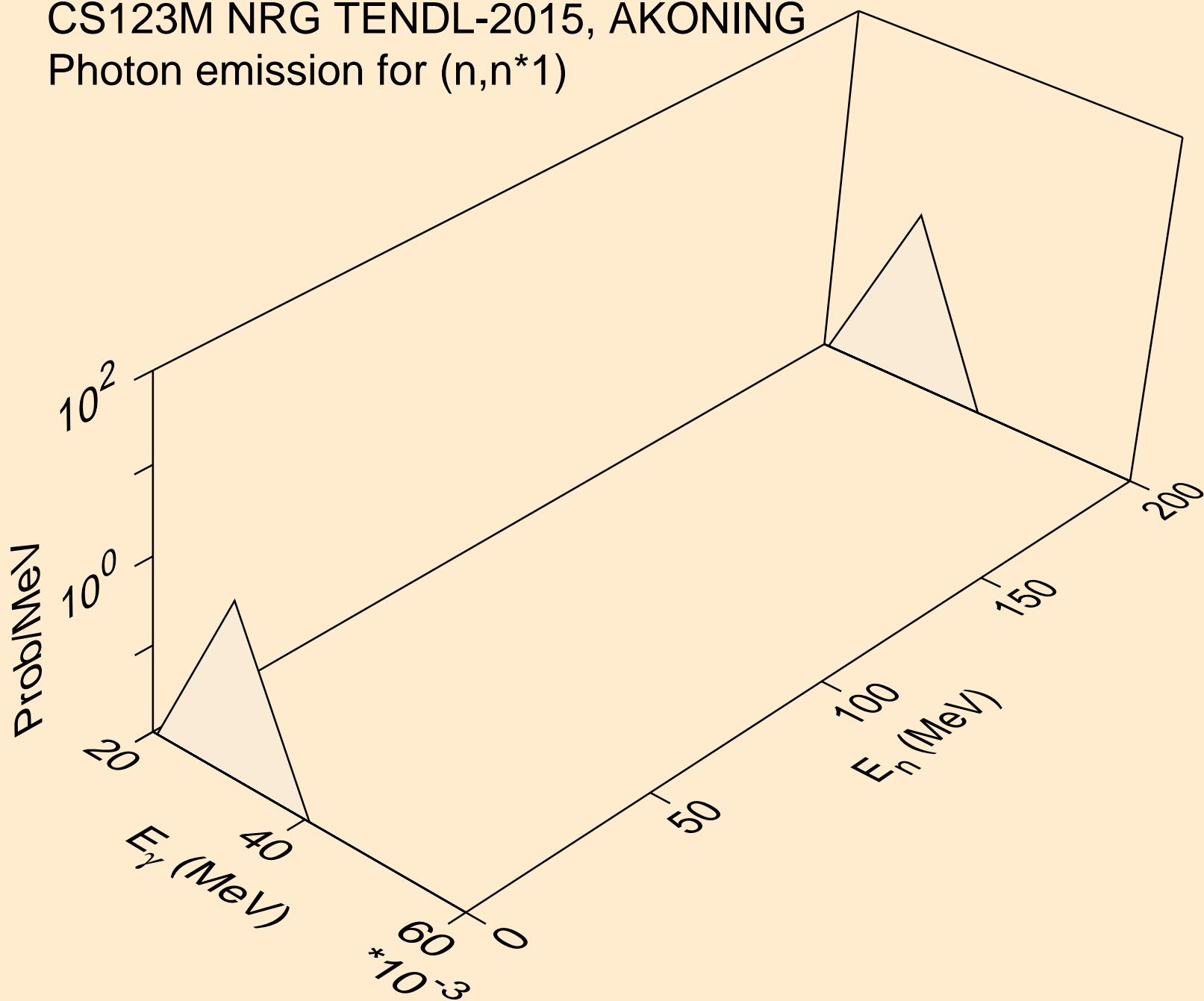
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Photon emission for (n,2np)



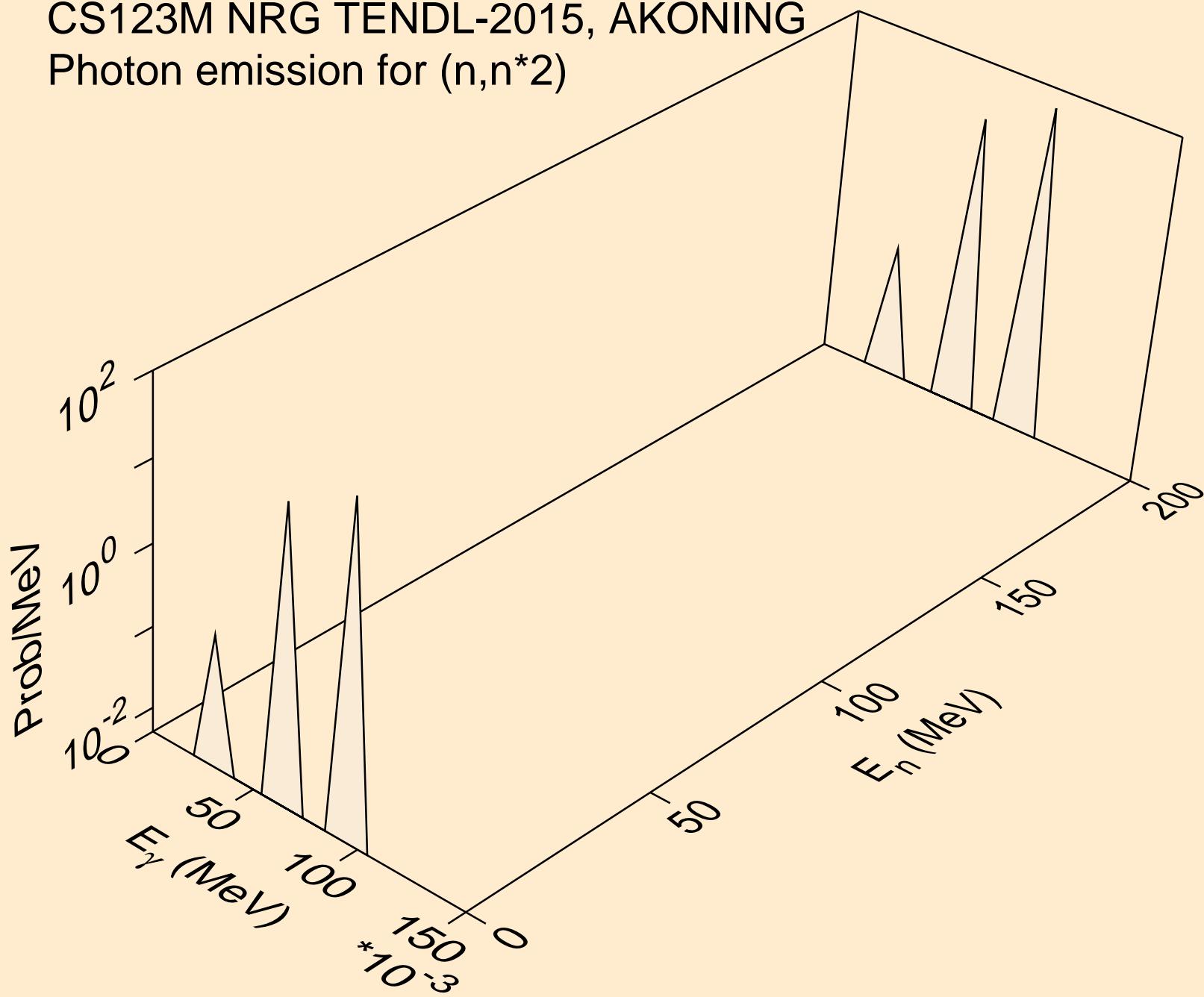
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Photon emission for (n,npa)



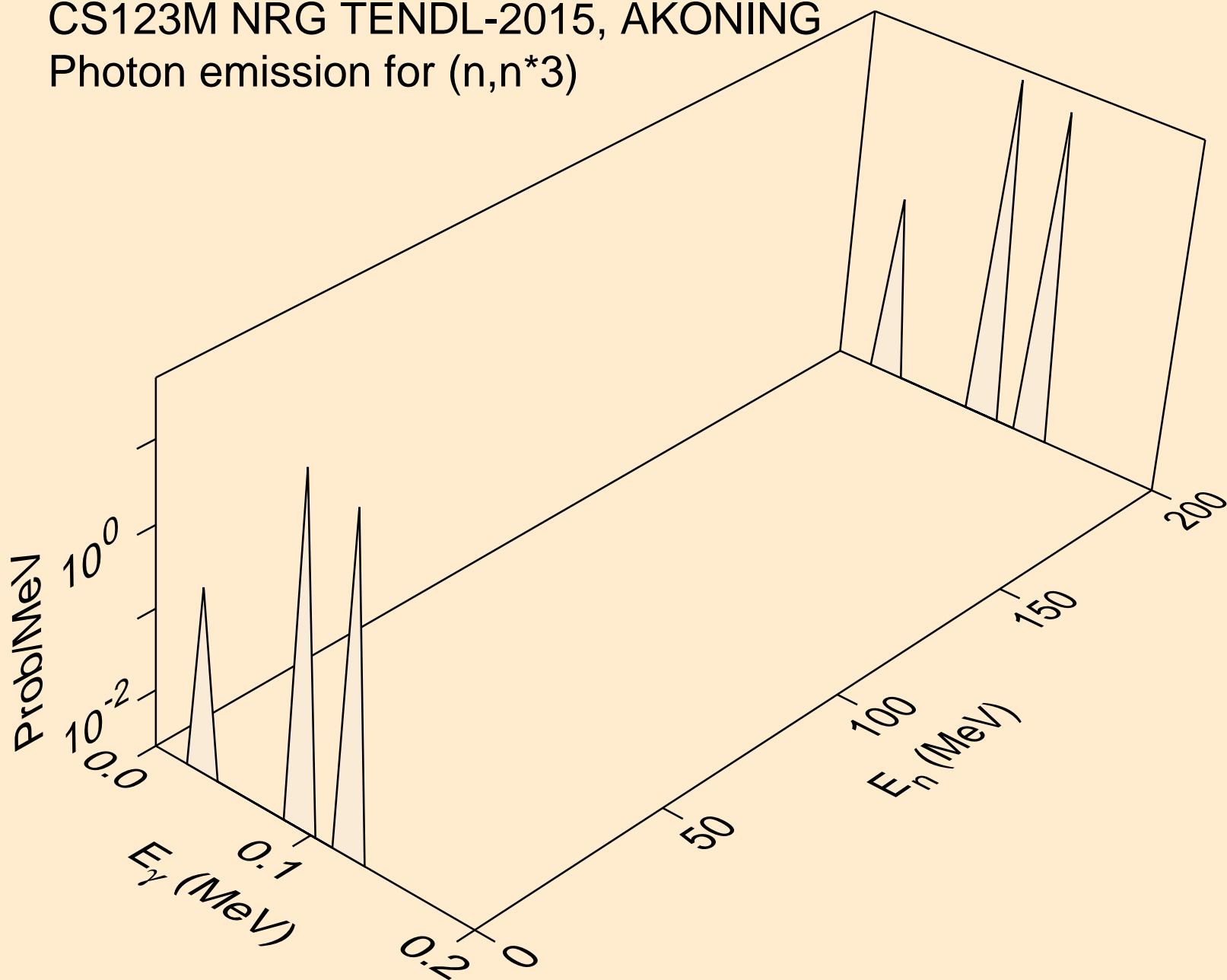
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Photon emission for (n,n\*1)



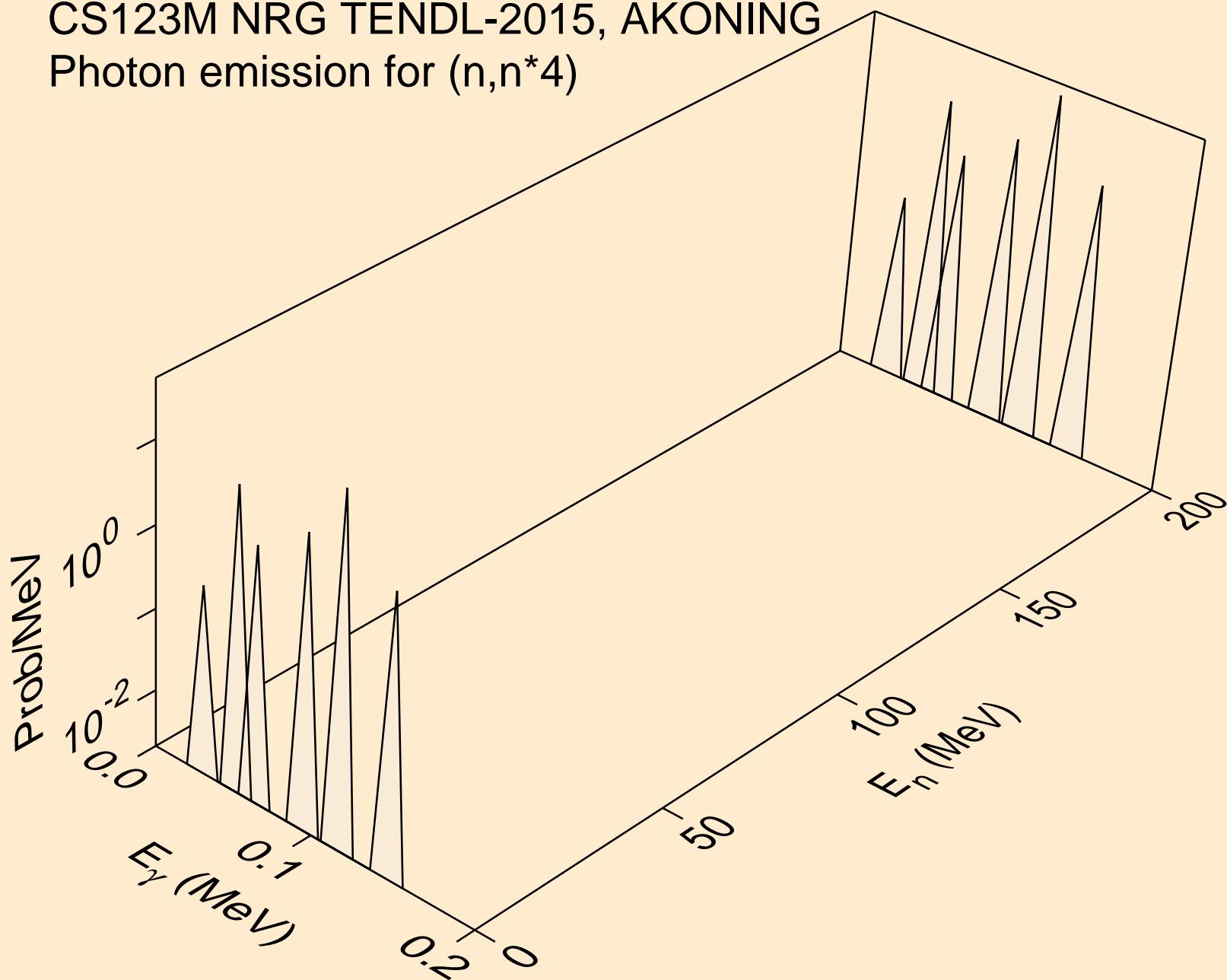
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Photon emission for (n,n\*2)



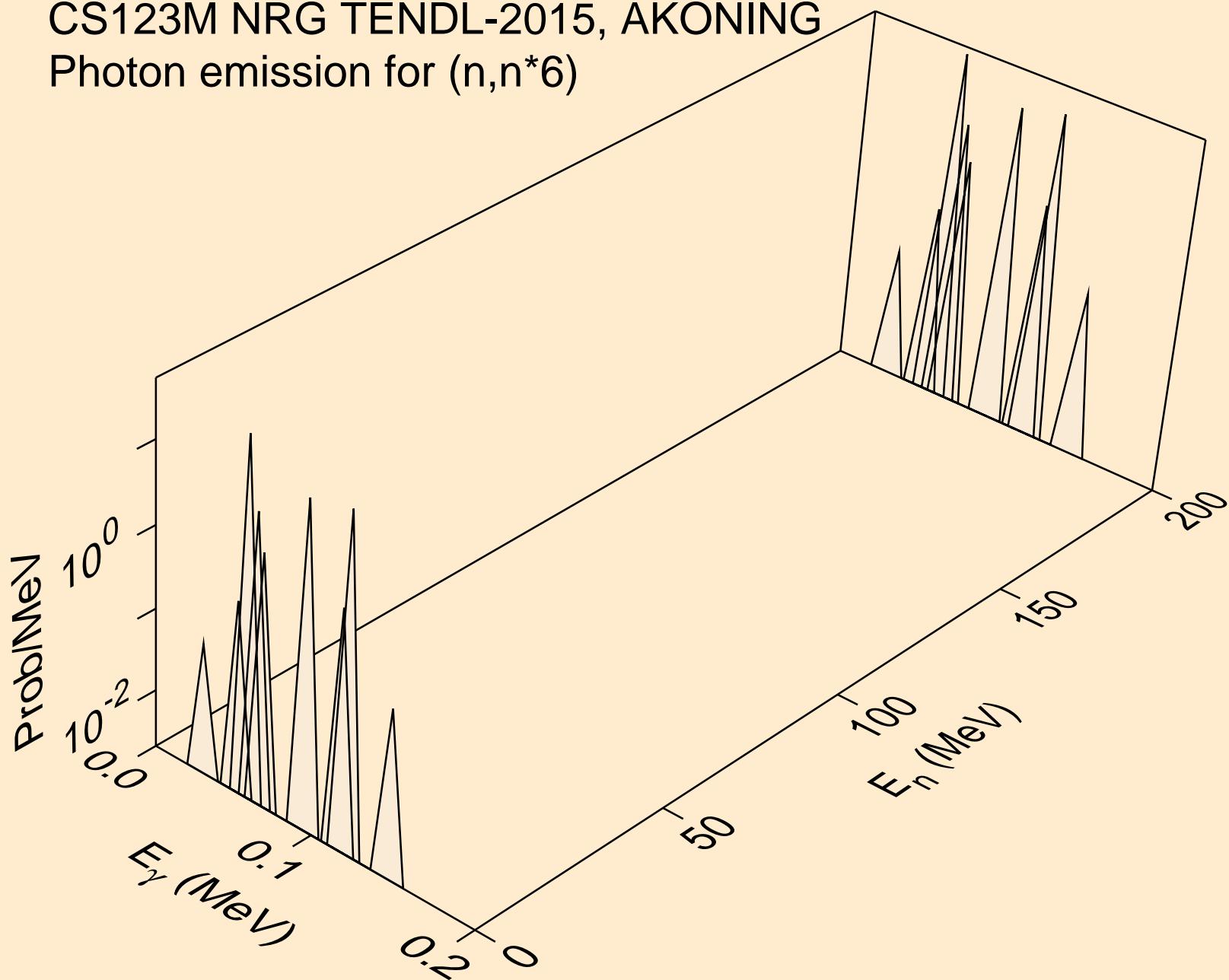
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*3)



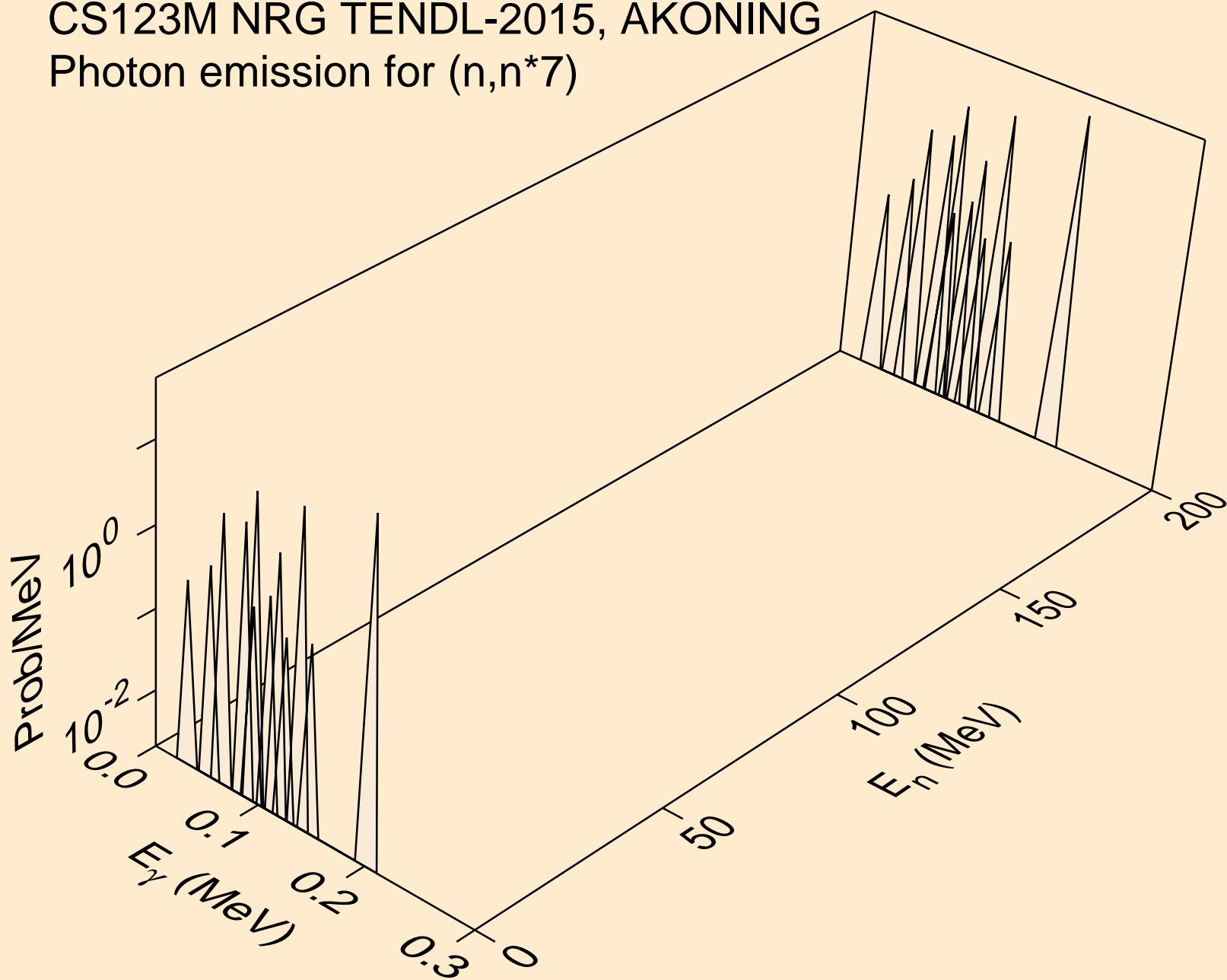
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*4)



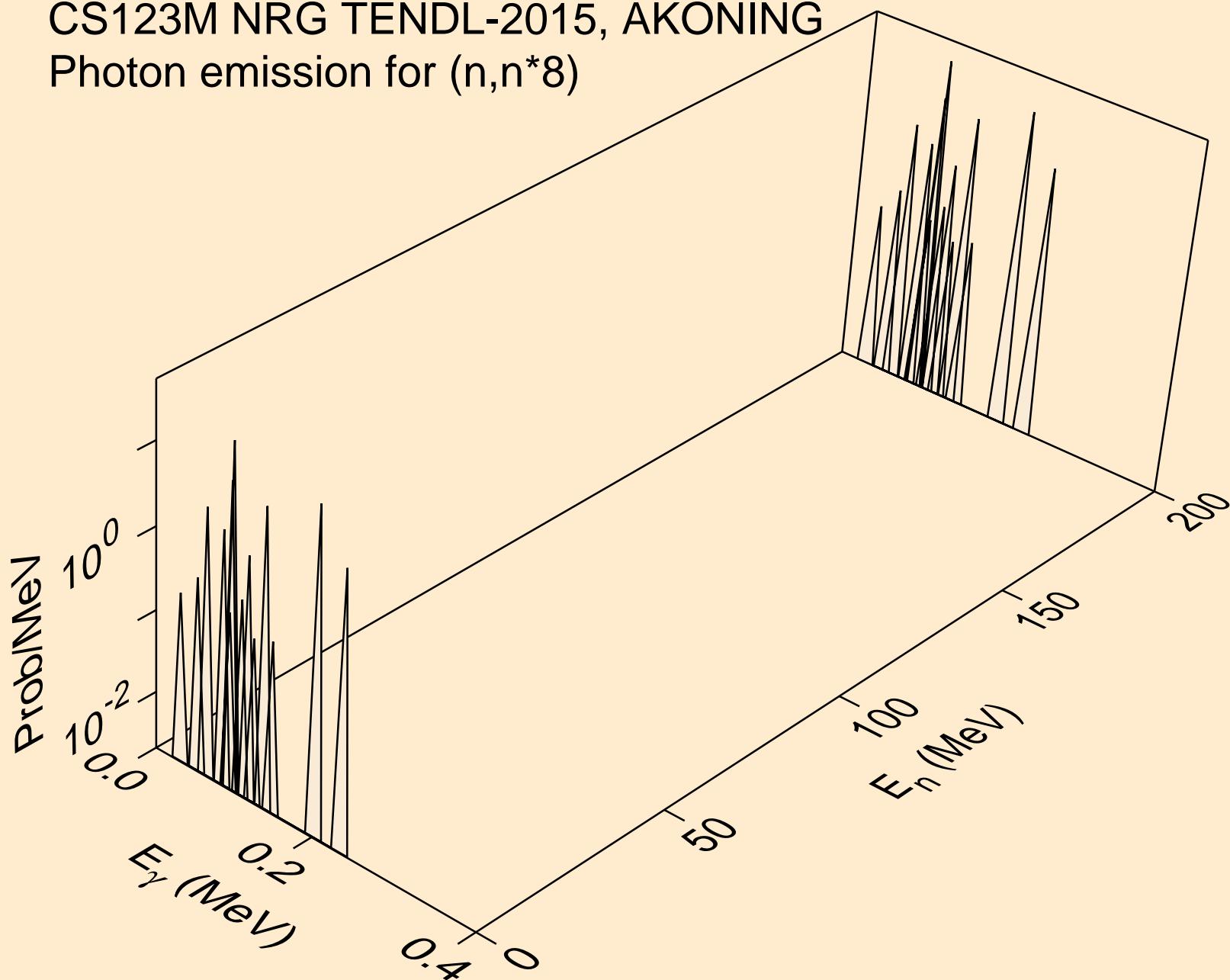
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*6)



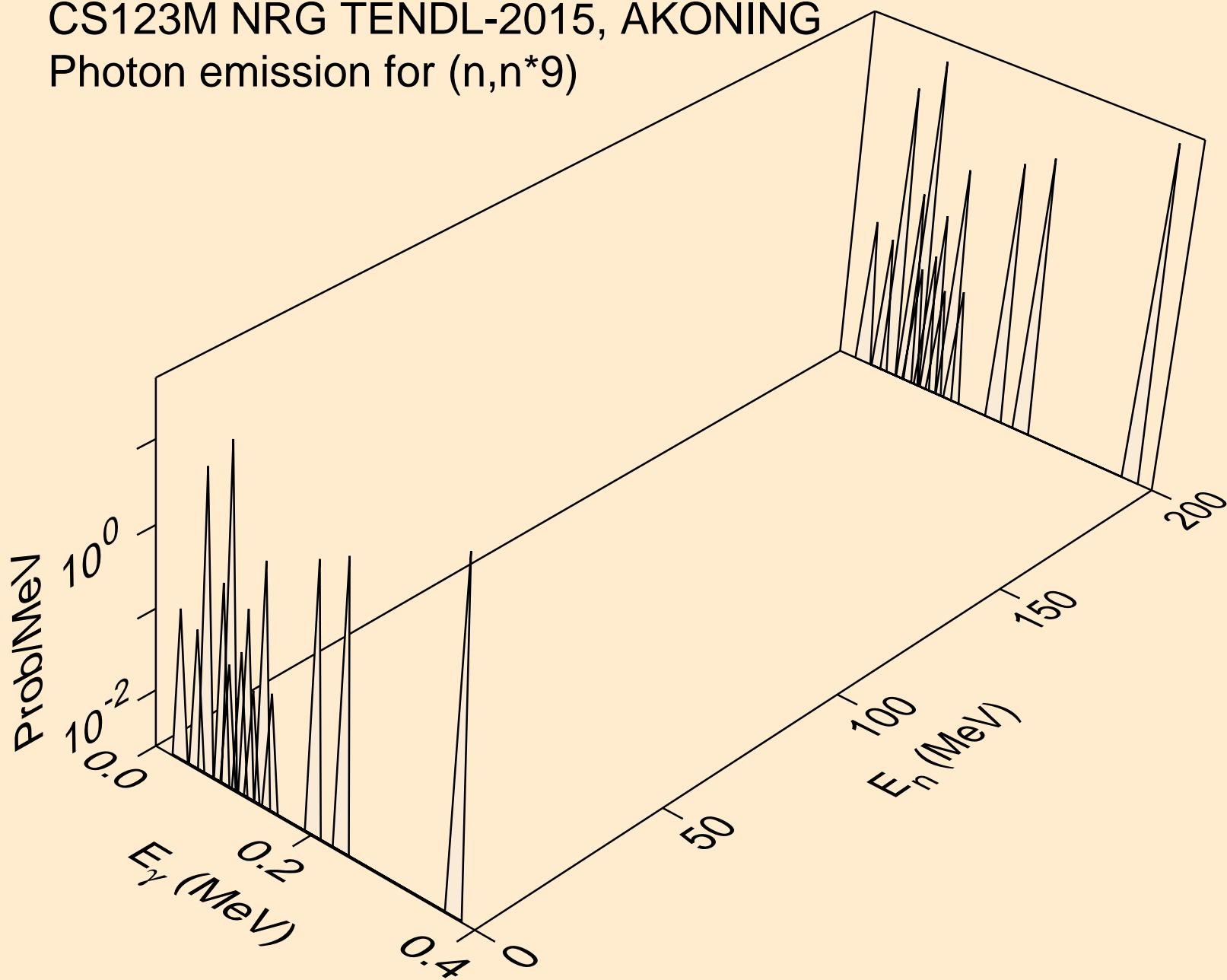
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*7)



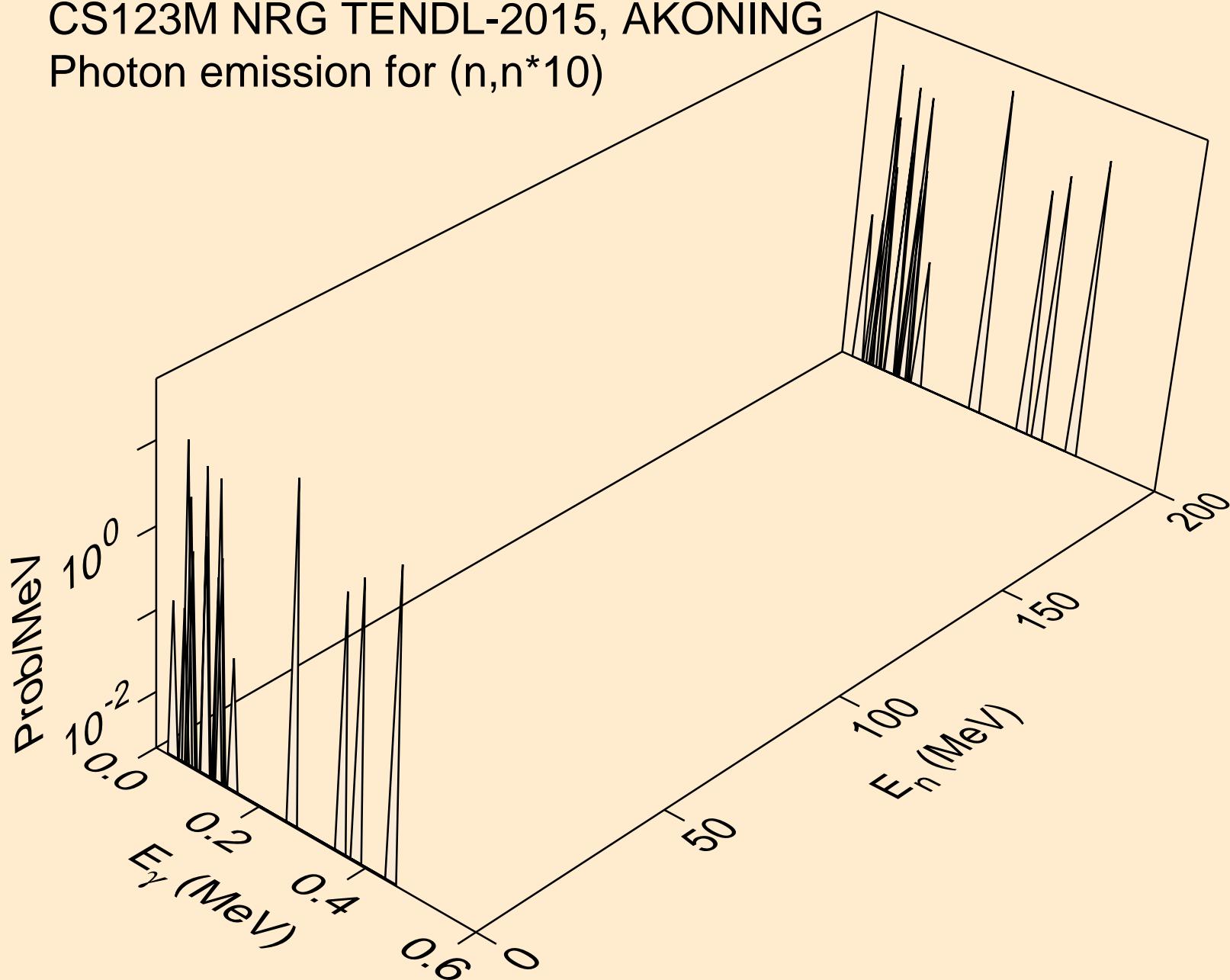
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Photon emission for (n,n\*8)



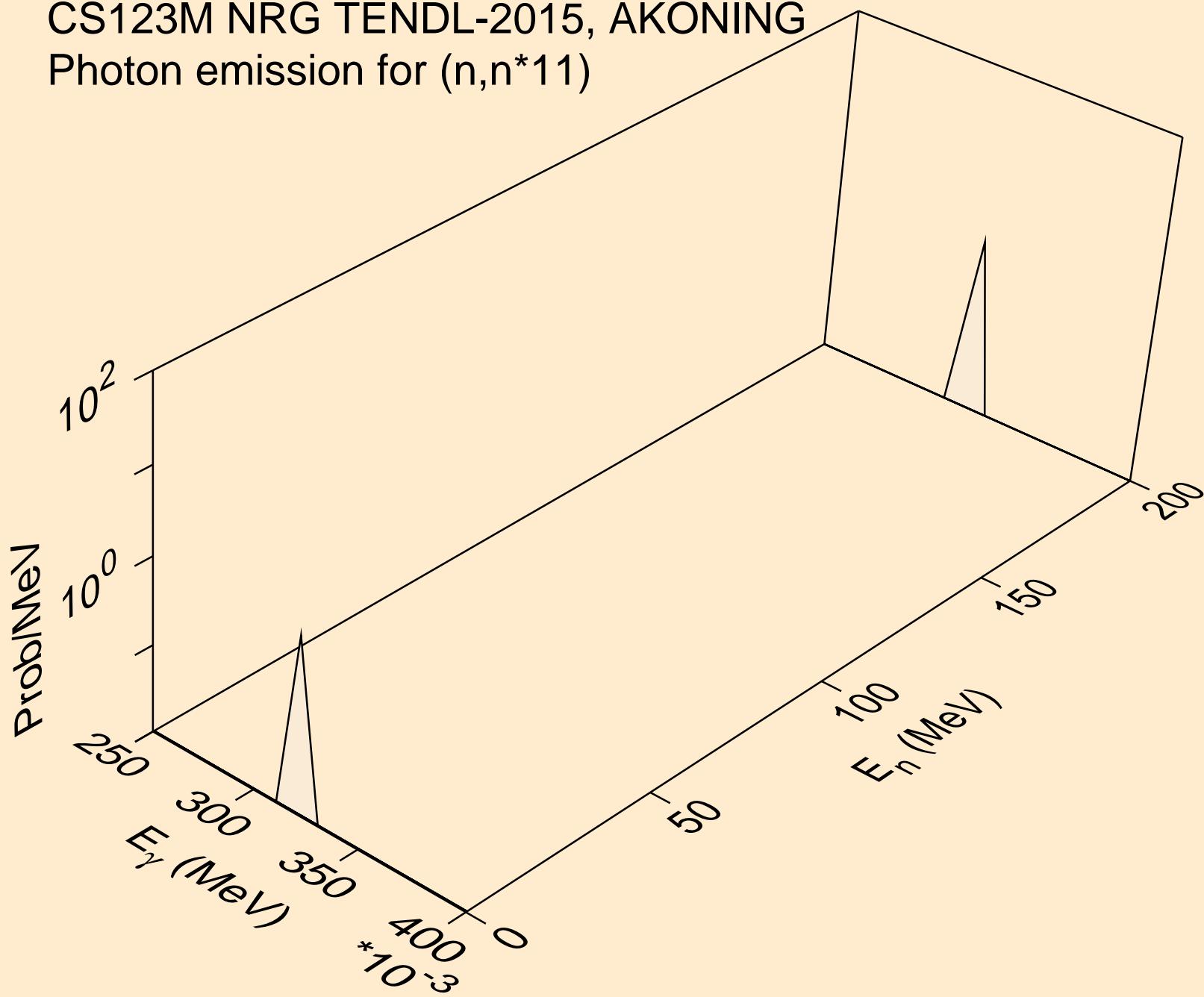
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*9)



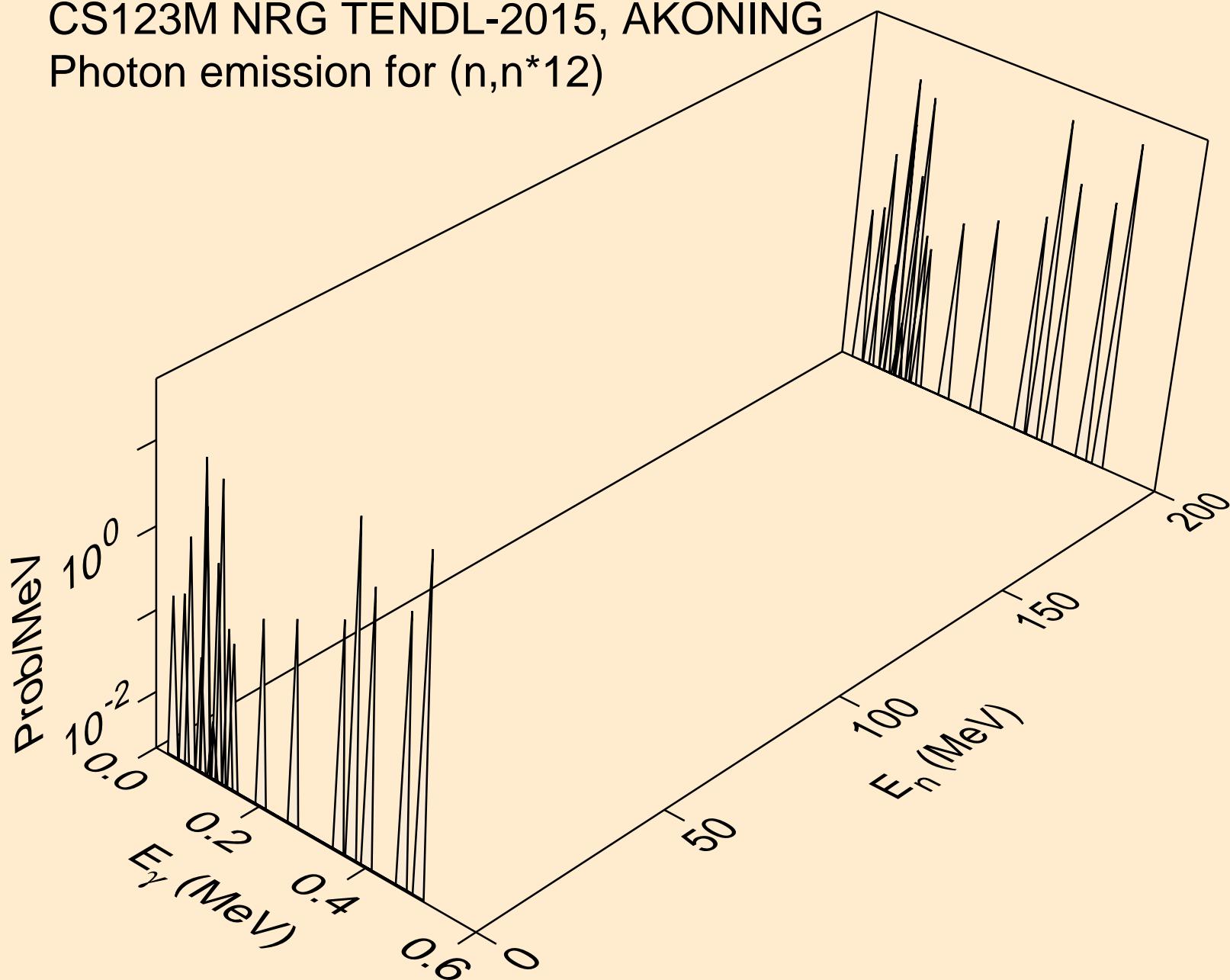
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Photon emission for (n,n\*10)



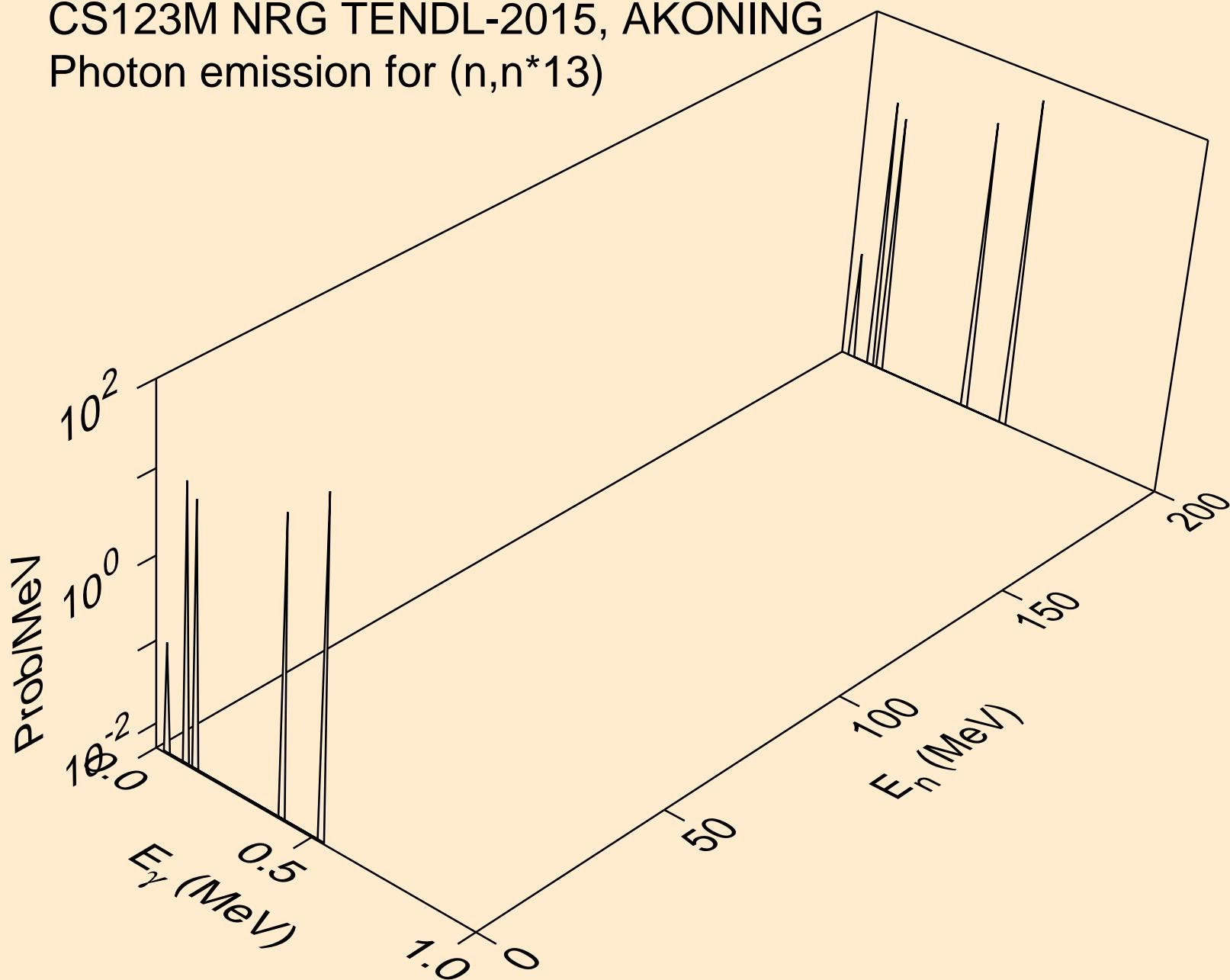
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Photon emission for (n,n\*11)



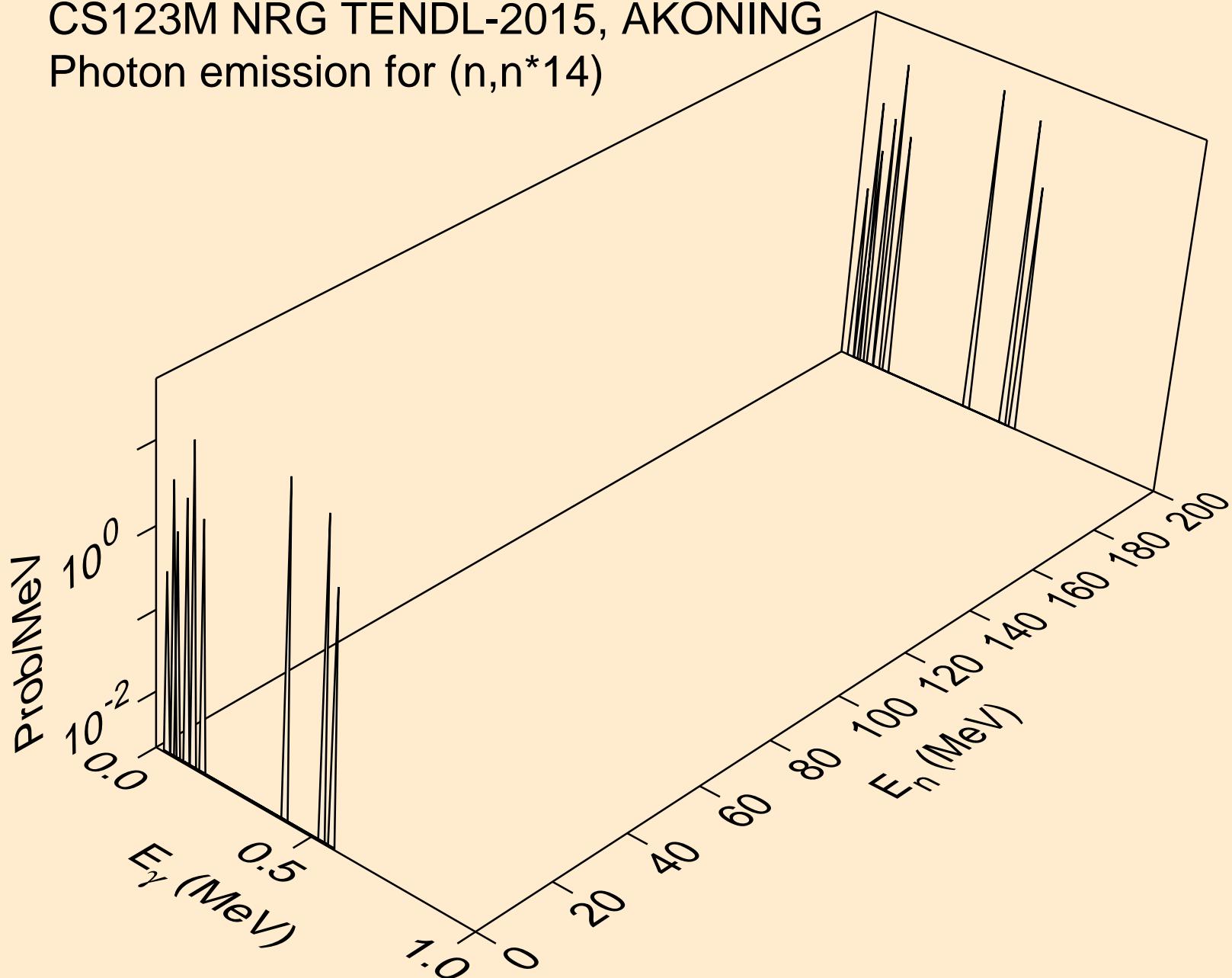
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Photon emission for (n,n\*12)



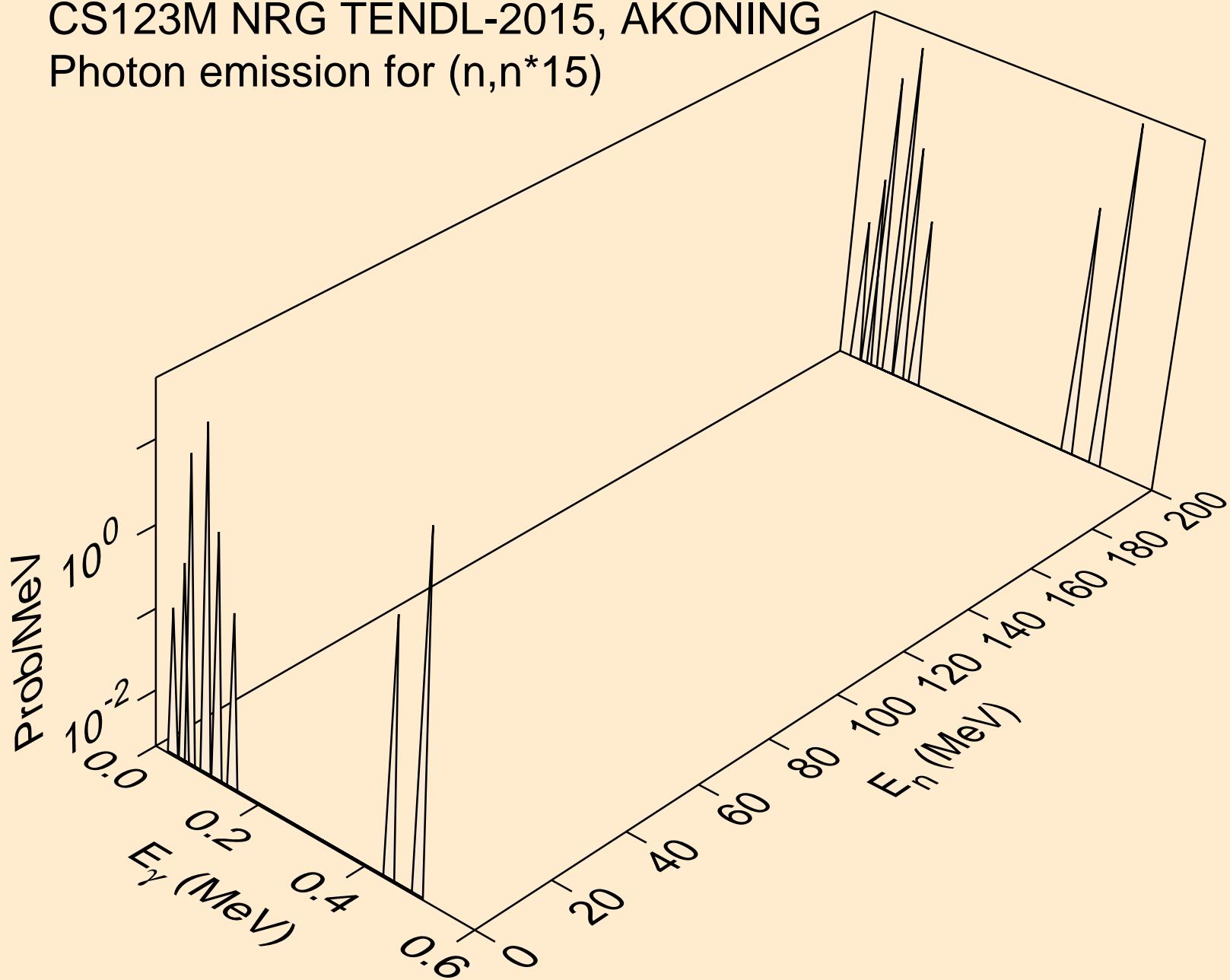
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Photon emission for (n,n\*13)



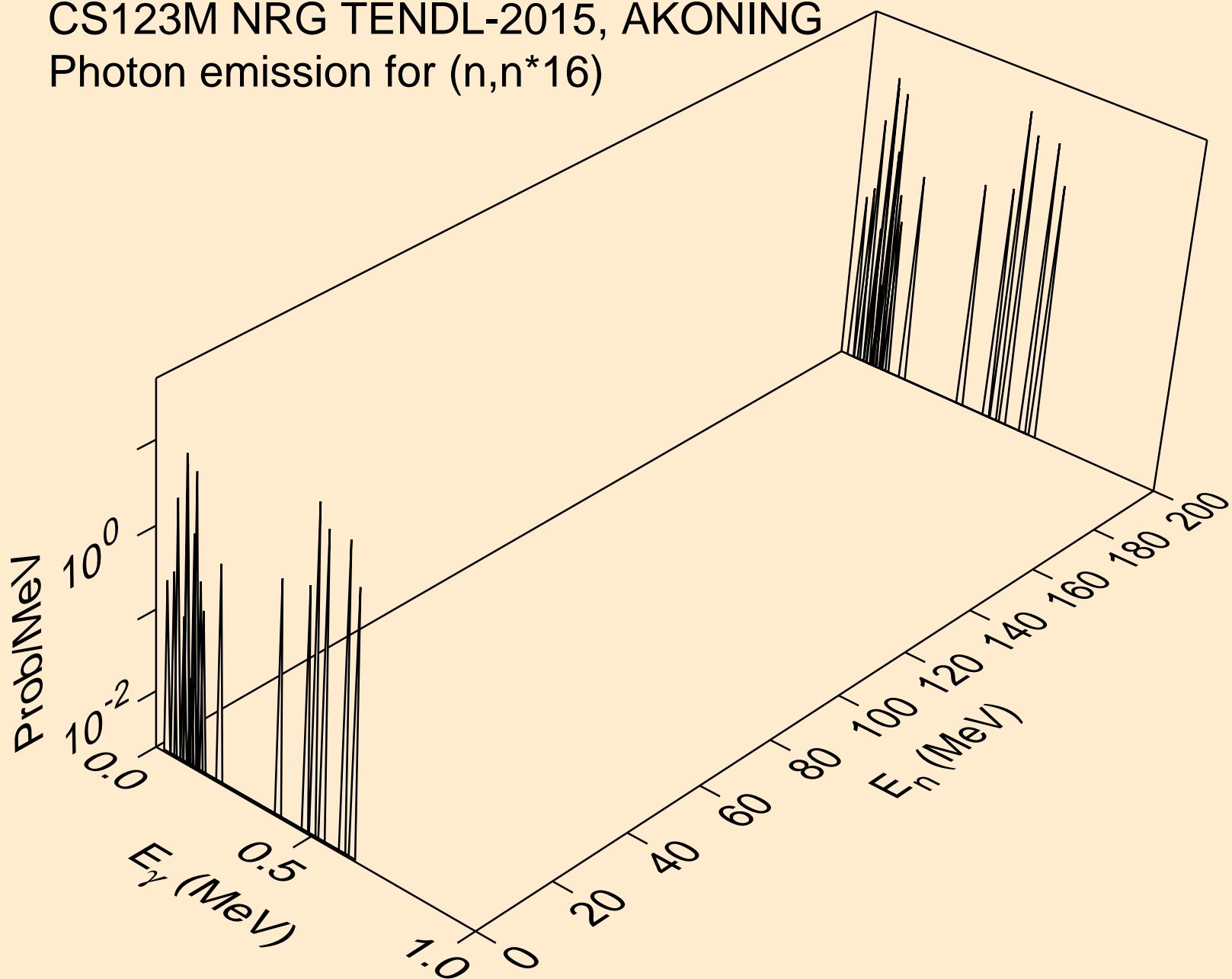
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Photon emission for (n,n\*14)



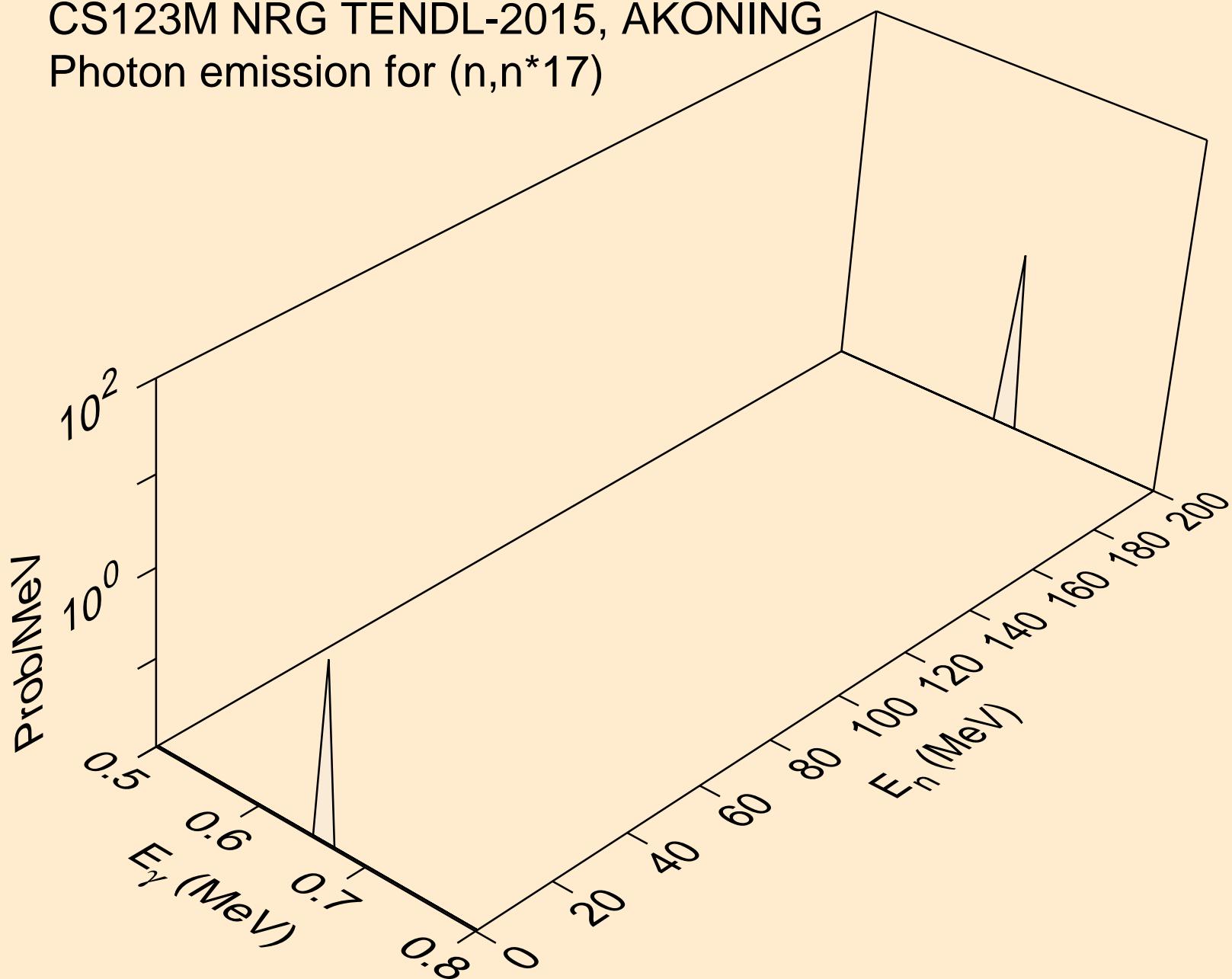
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*15)



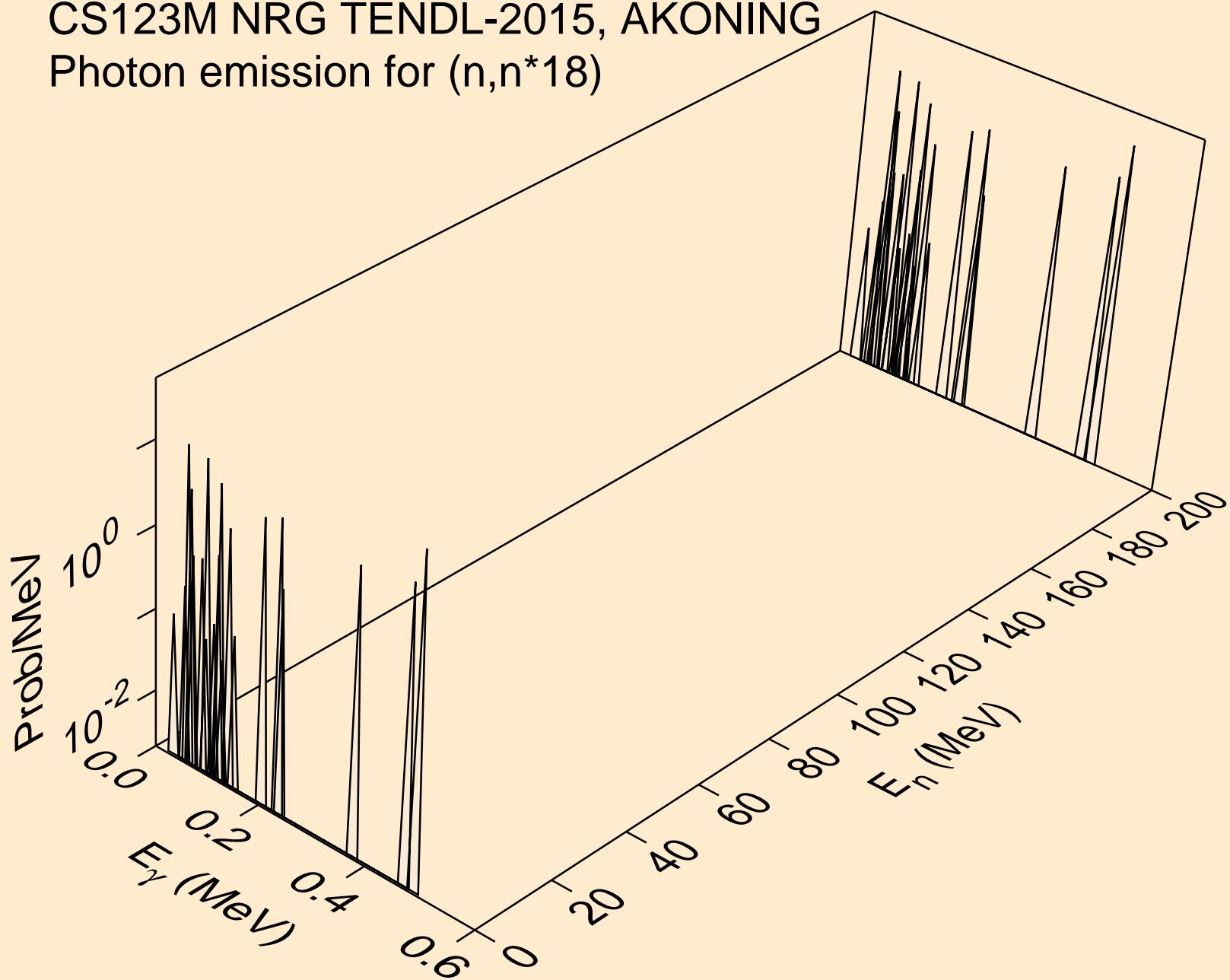
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Photon emission for (n,n\*16)



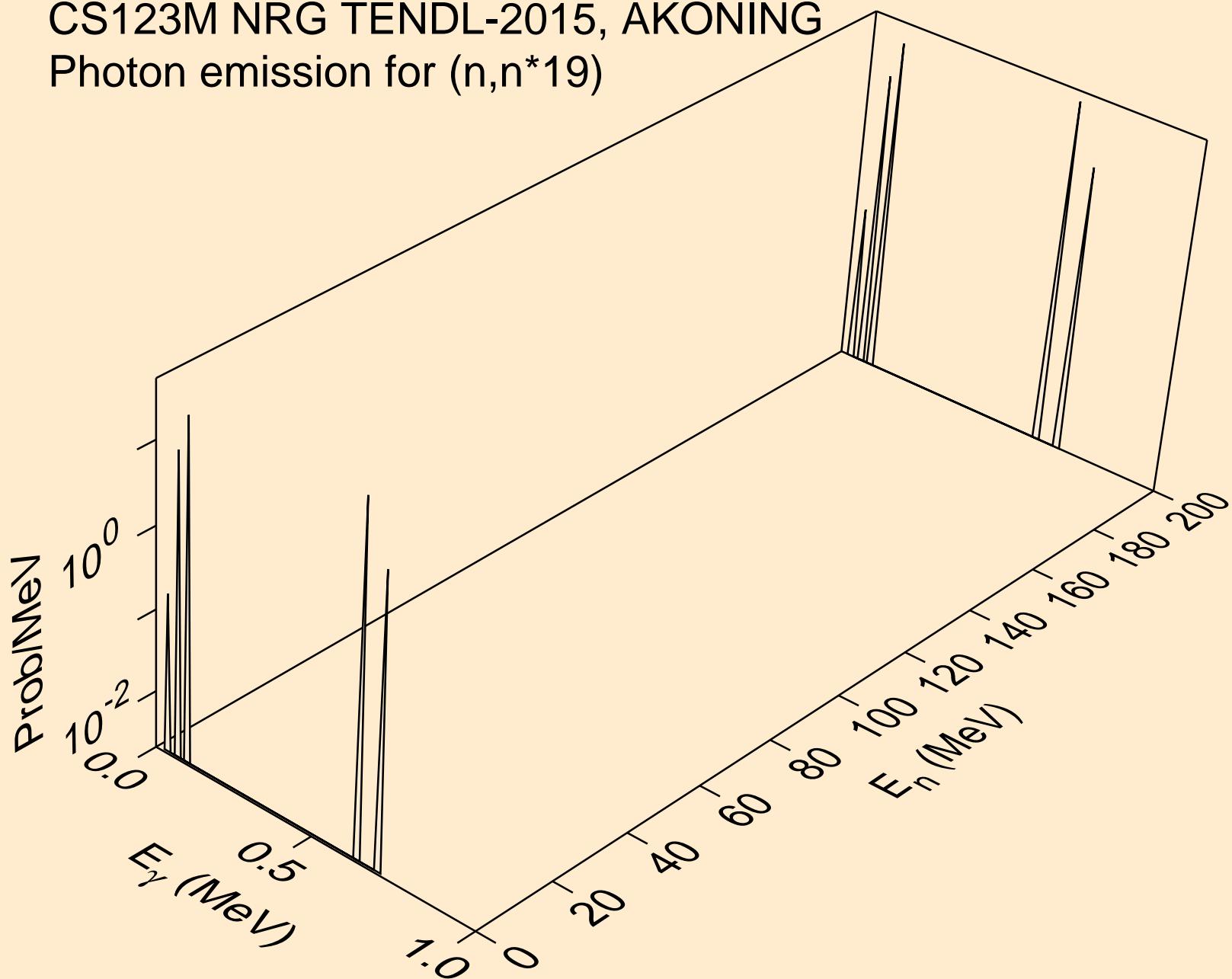
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Photon emission for (n,n\*17)



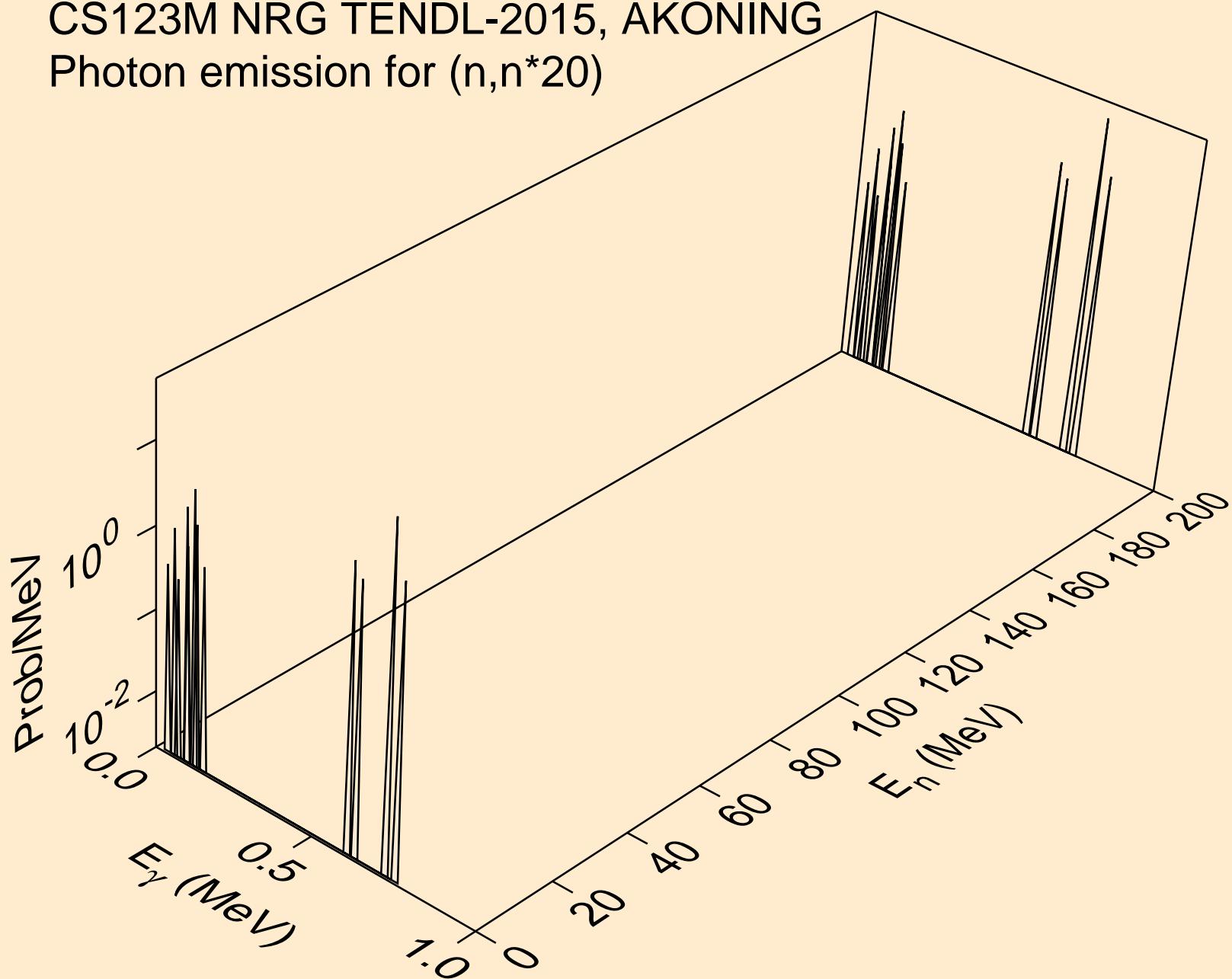
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Photon emission for (n,n\*18)



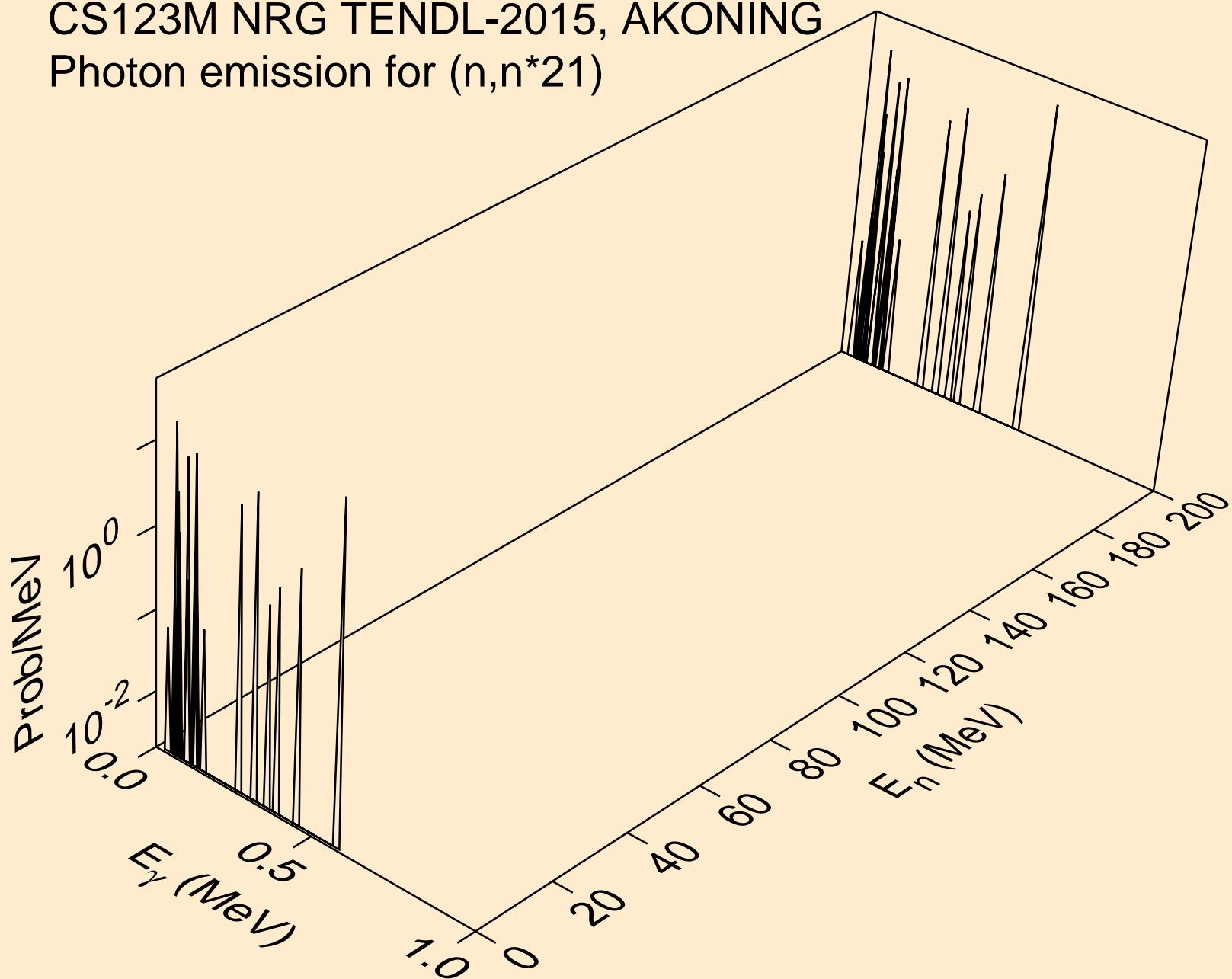
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Photon emission for (n,n\*19)



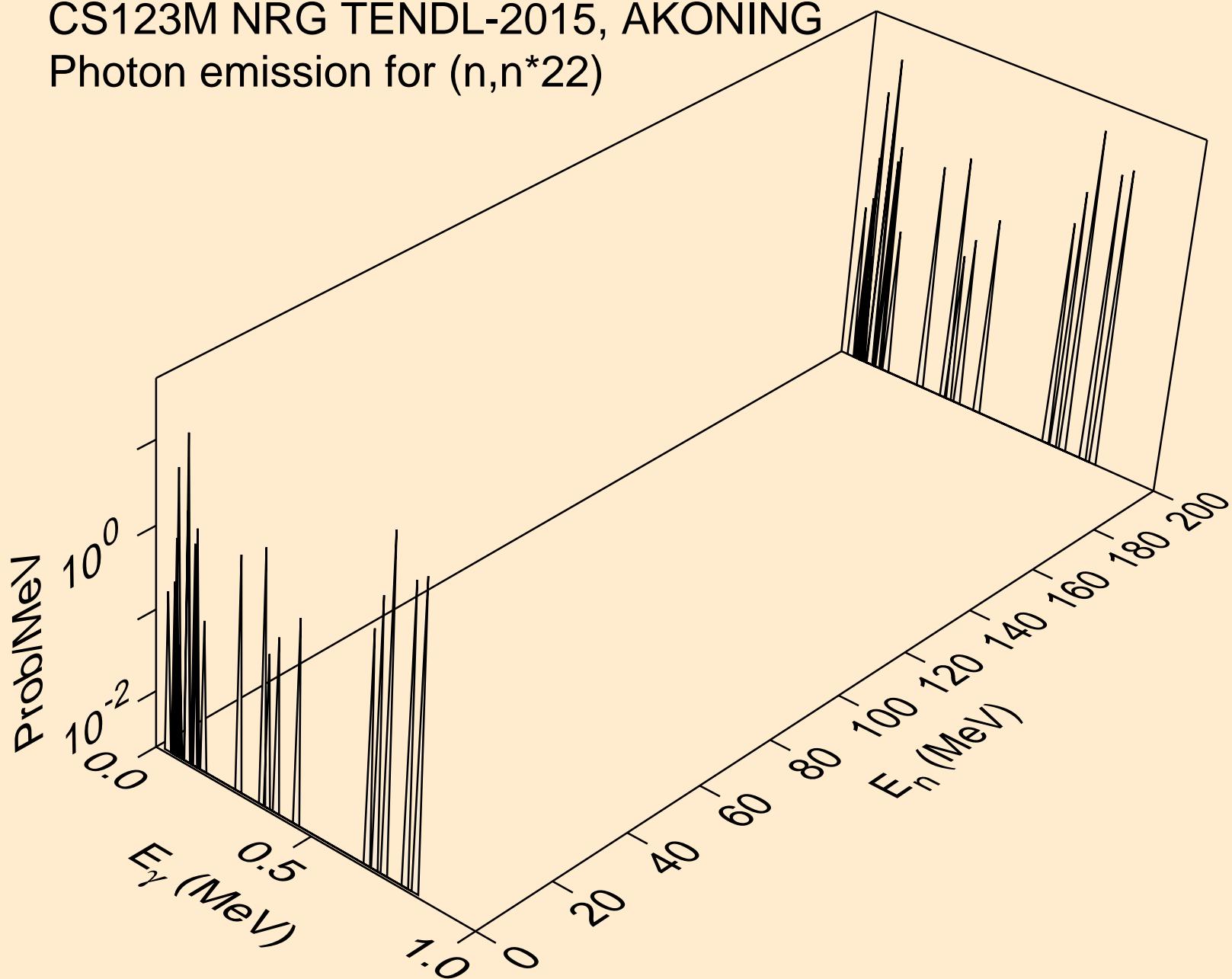
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Photon emission for (n,n\*20)



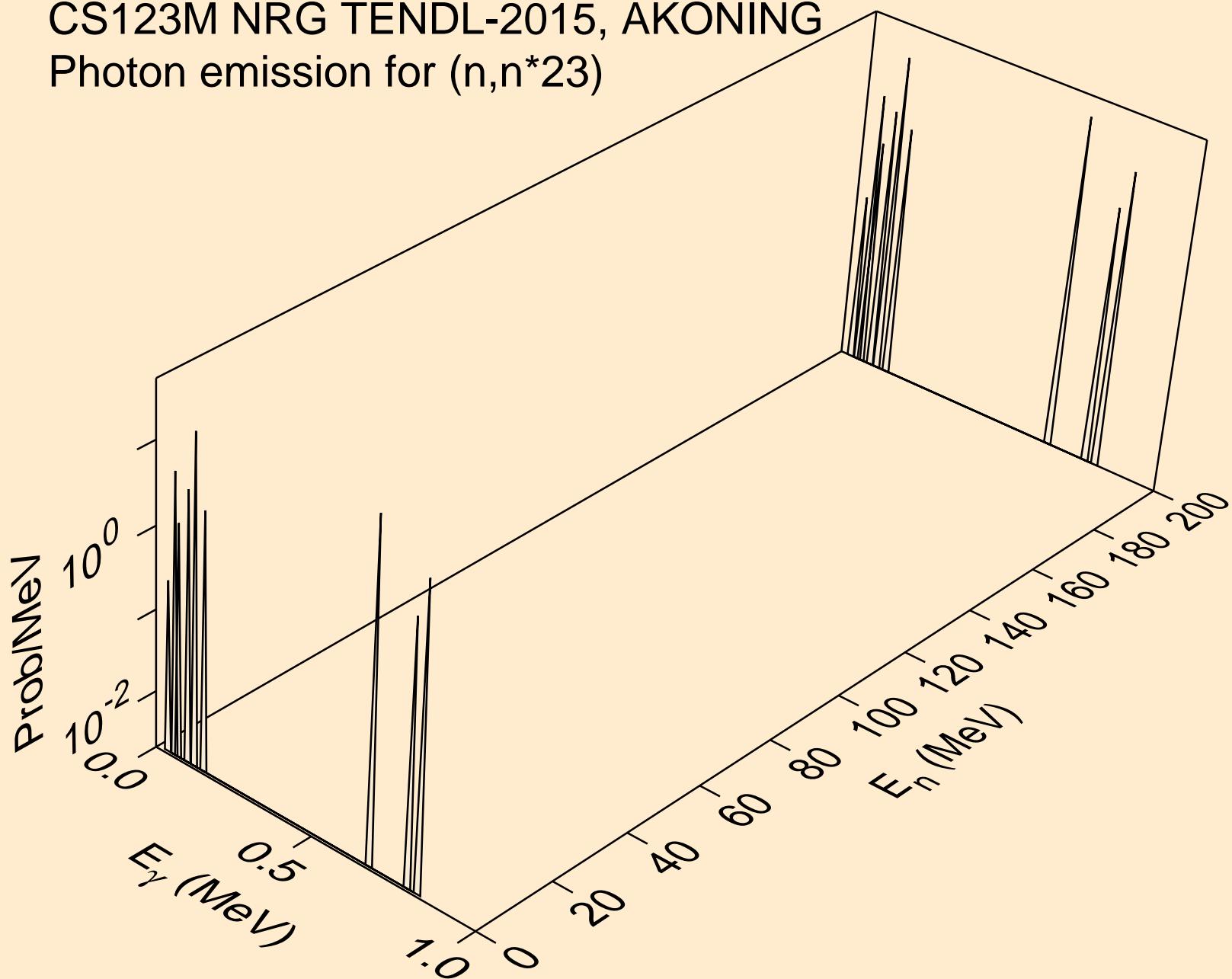
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Photon emission for (n,n\*21)



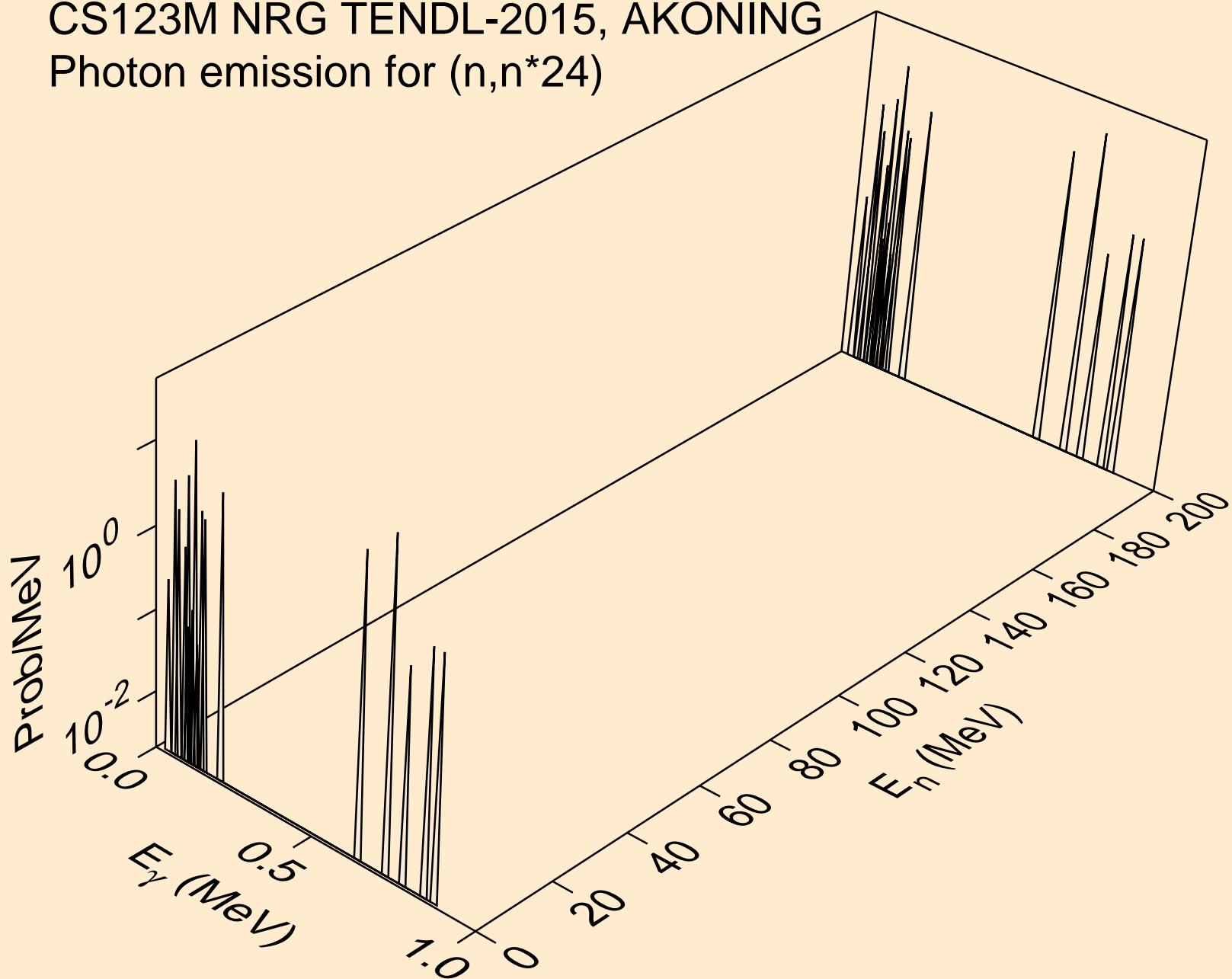
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Photon emission for (n,n\*22)



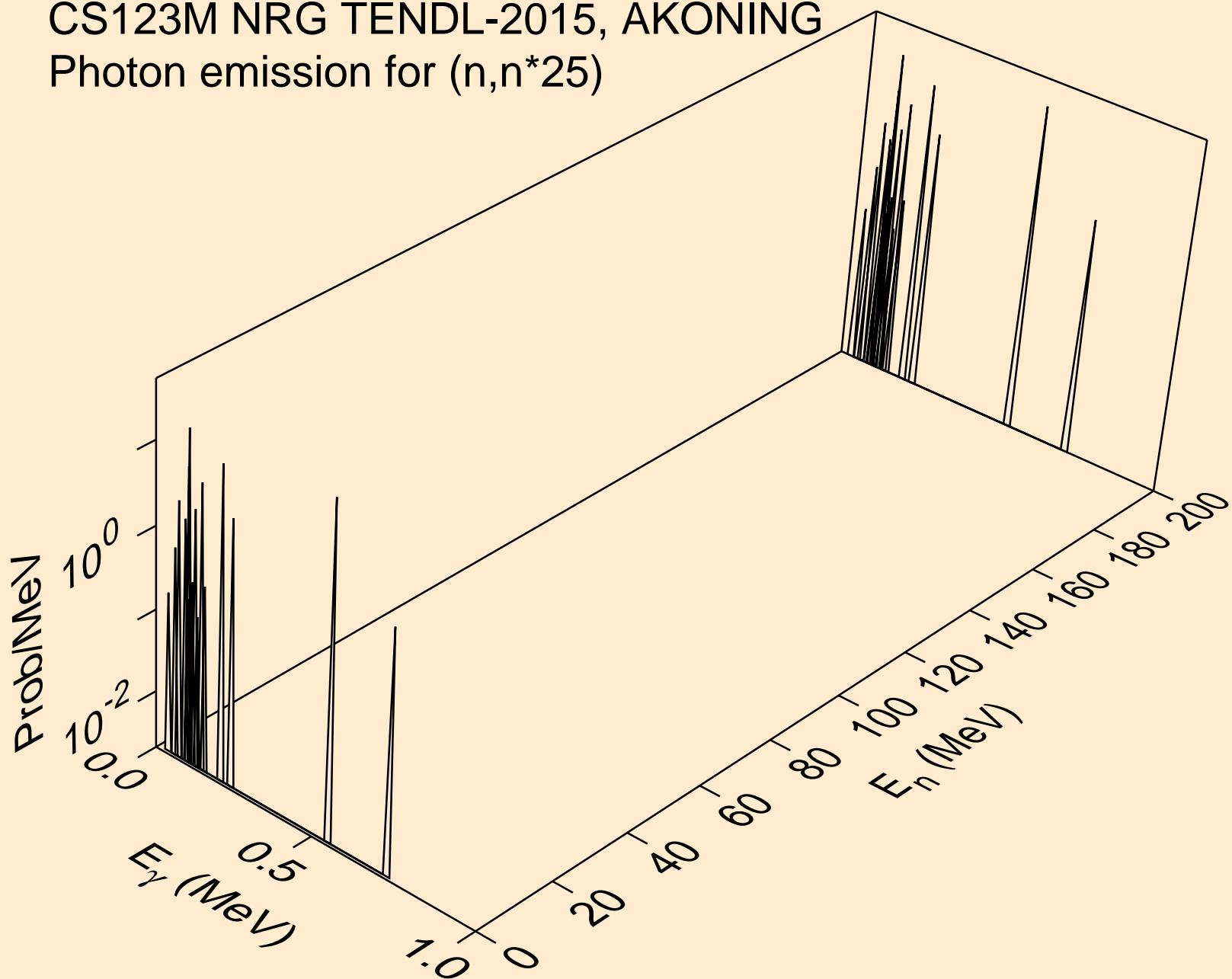
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Photon emission for (n,n\*23)



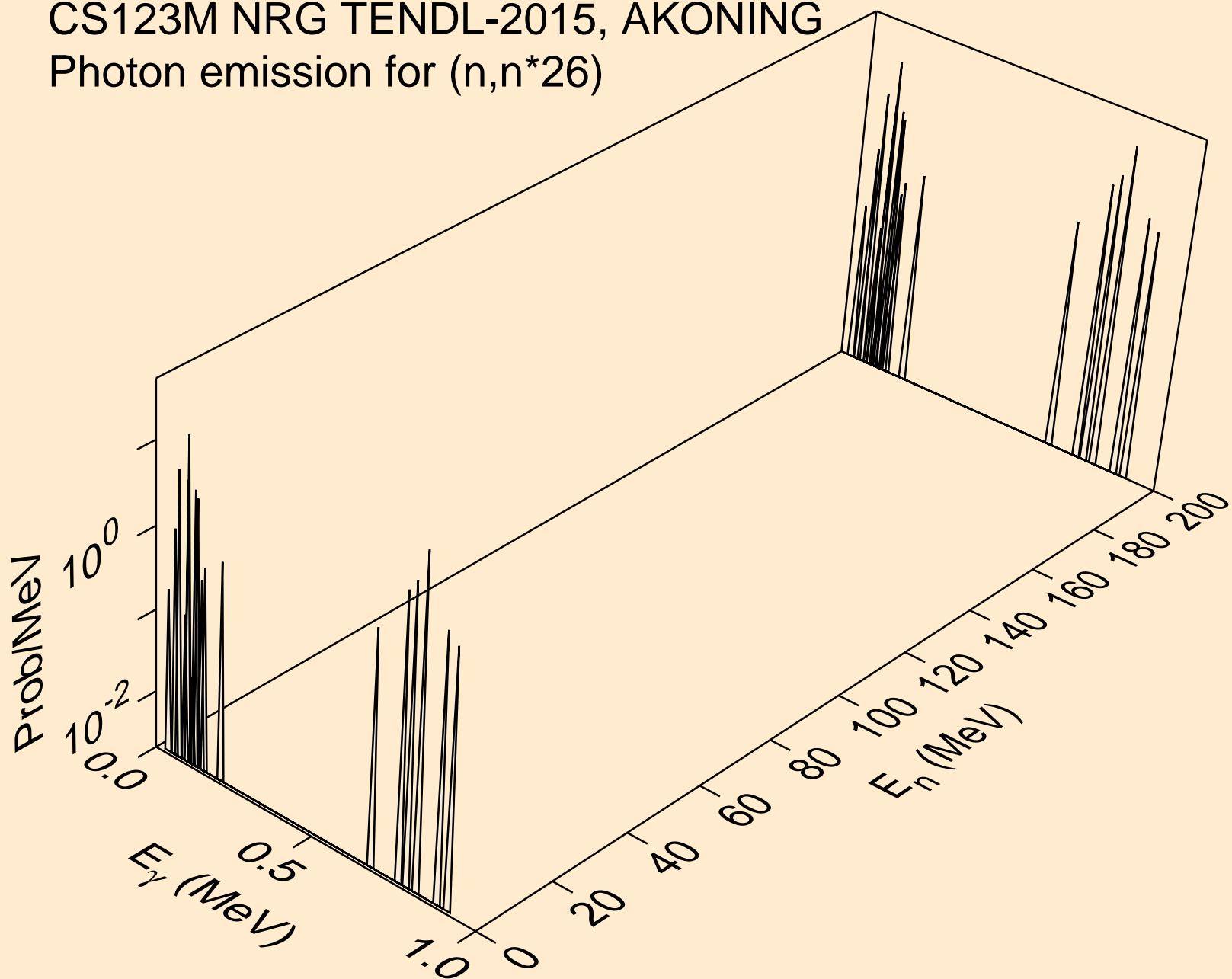
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Photon emission for (n,n\*24)



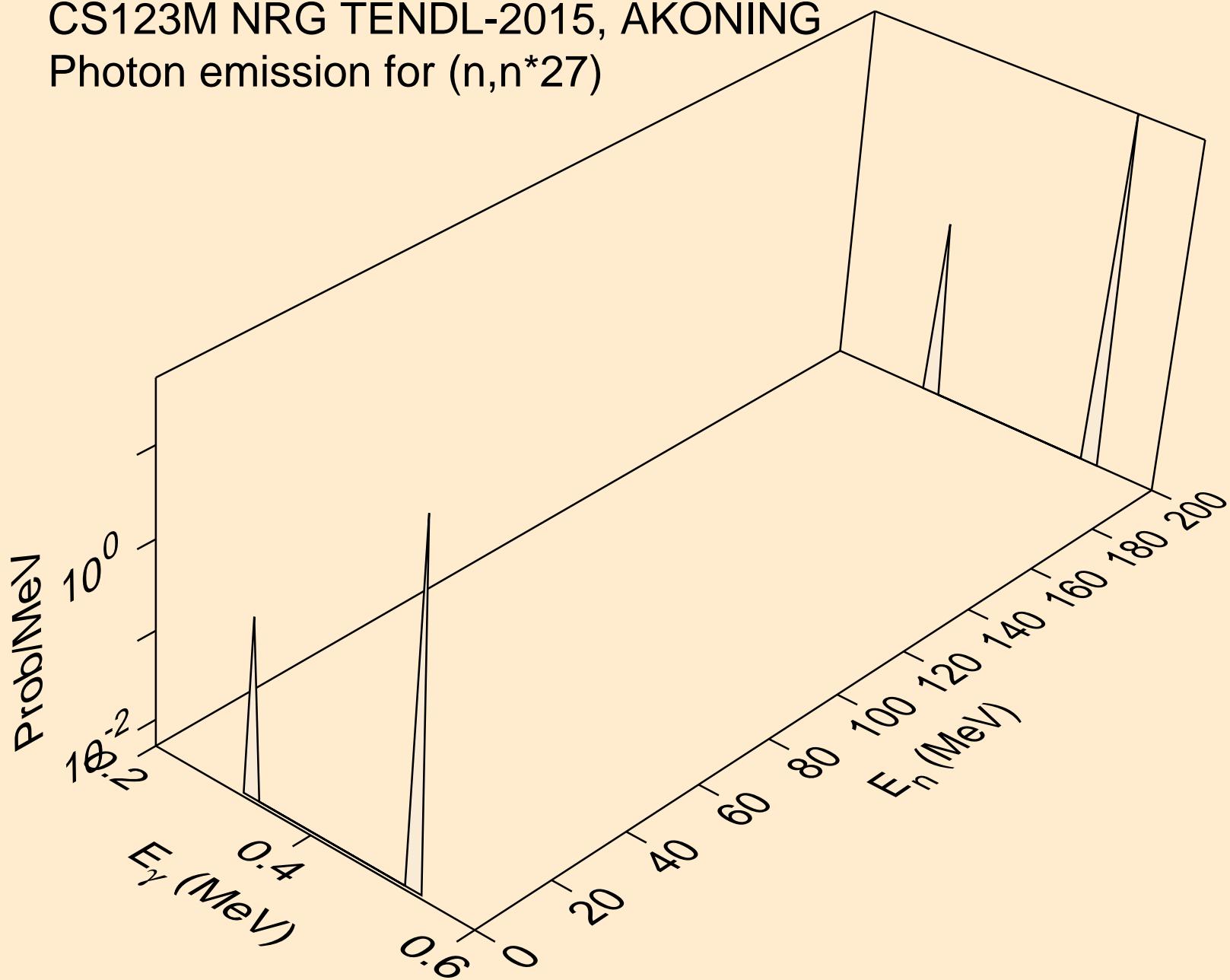
CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*25)



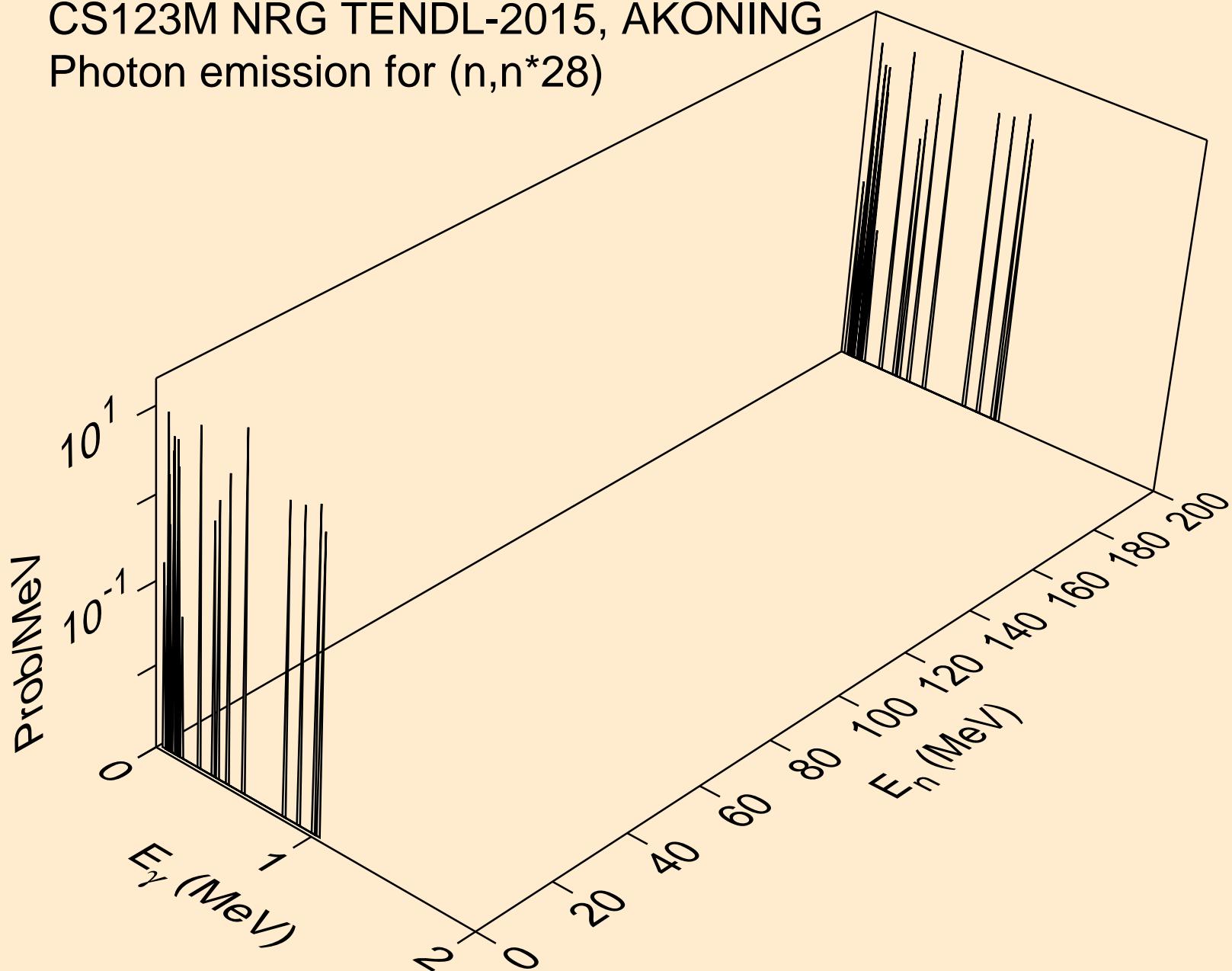
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Photon emission for (n,n\*26)



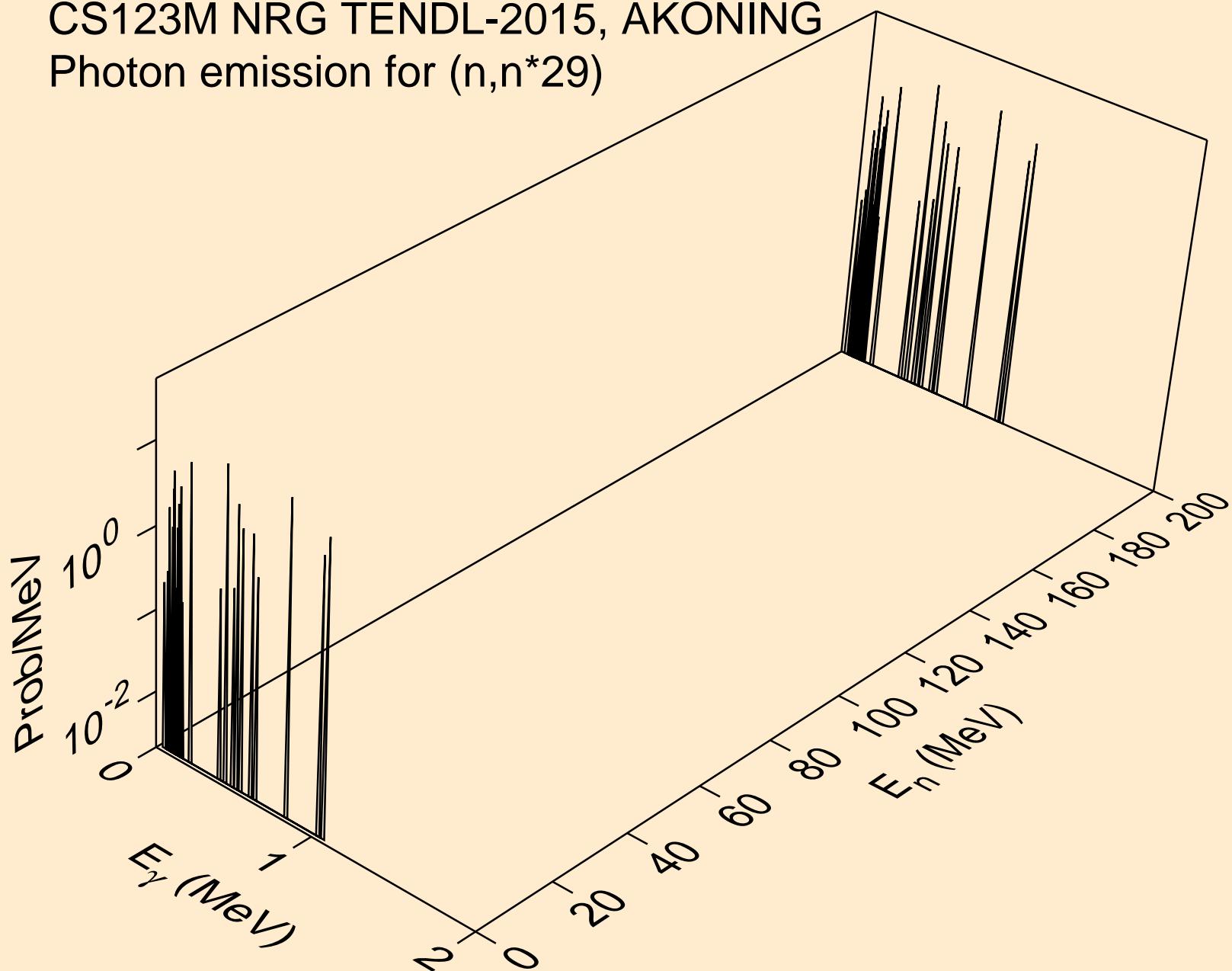
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Photon emission for (n,n\*27)



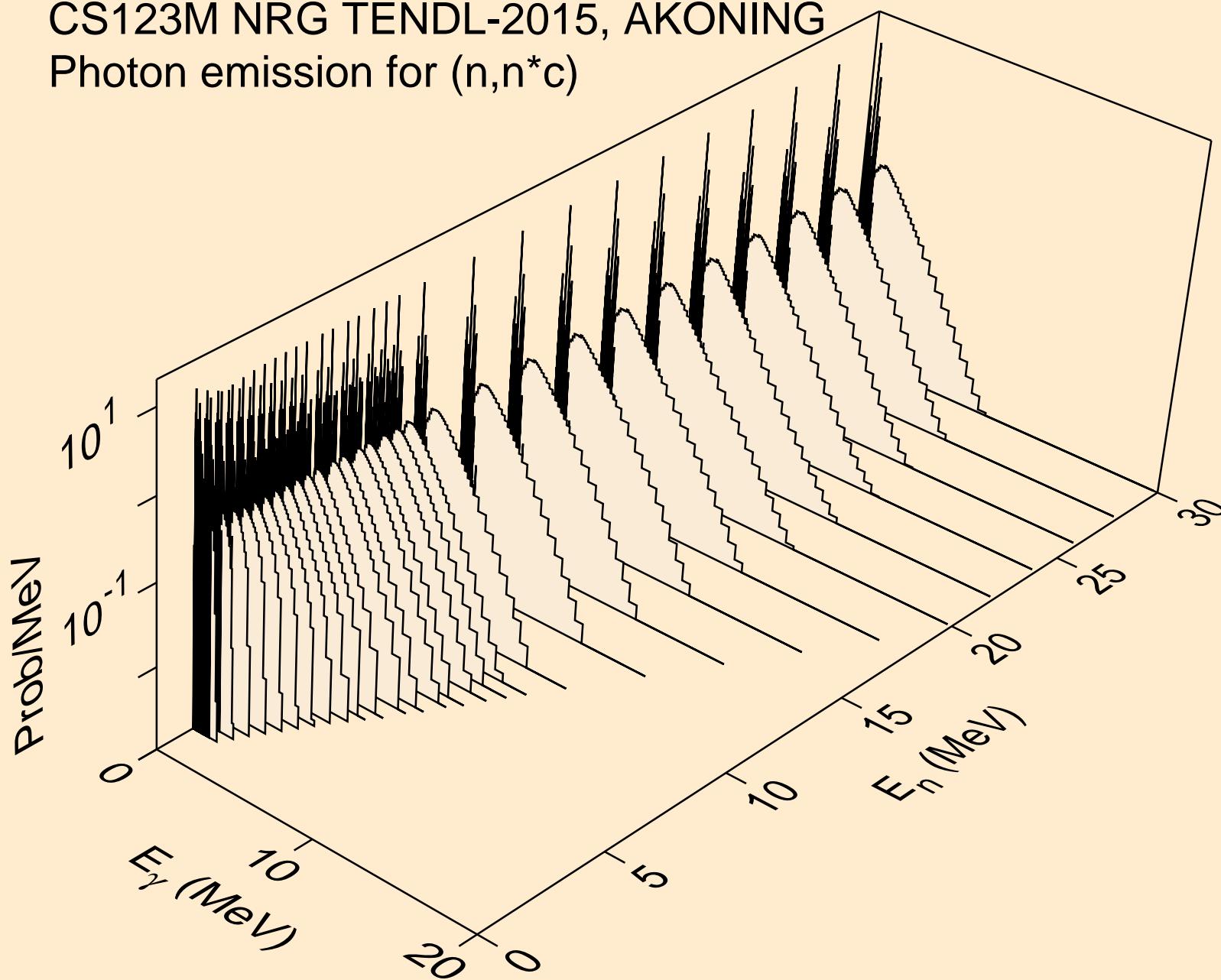
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Photon emission for (n,n\*28)



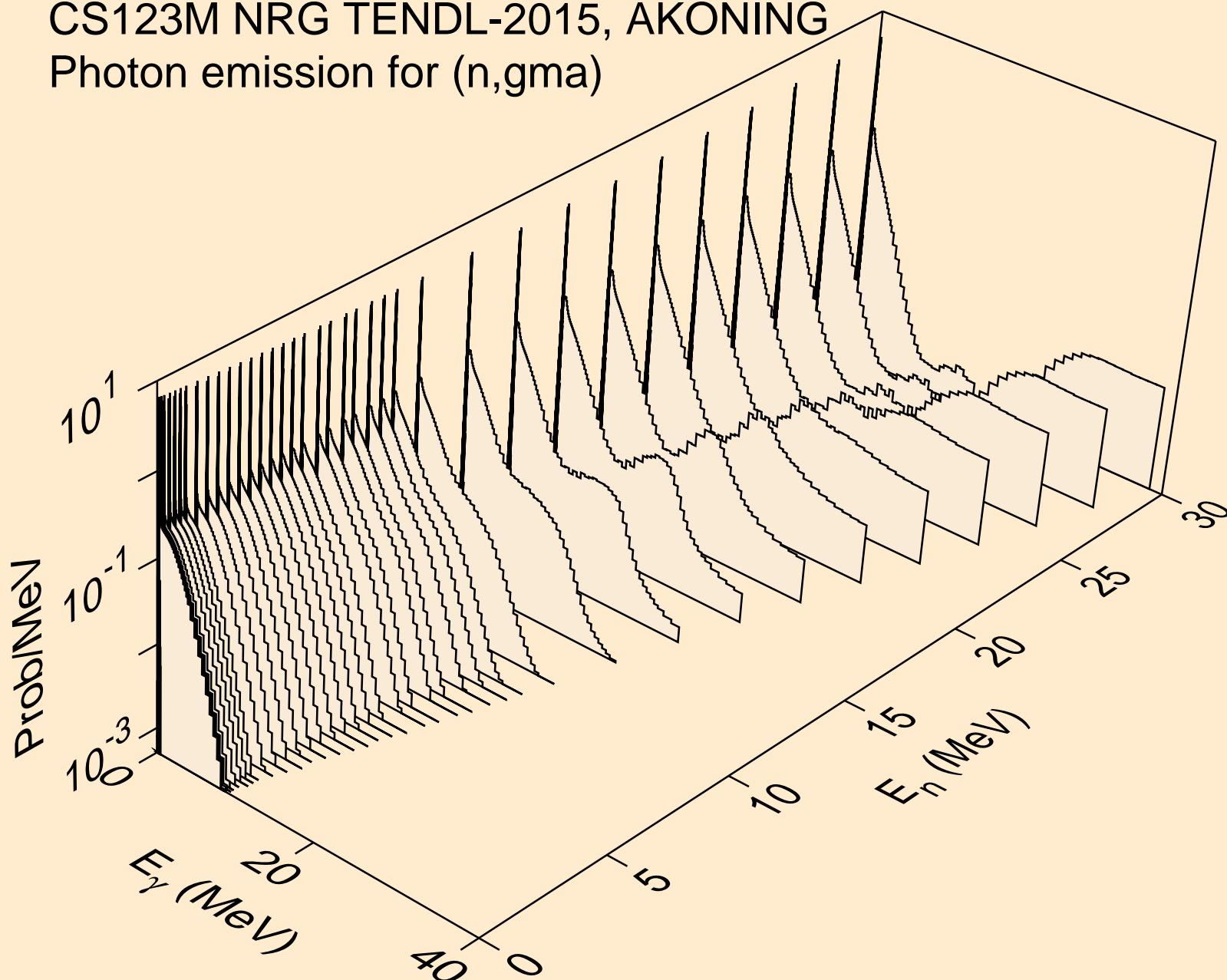
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Photon emission for (n,n\*29)



CS123M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*c)$

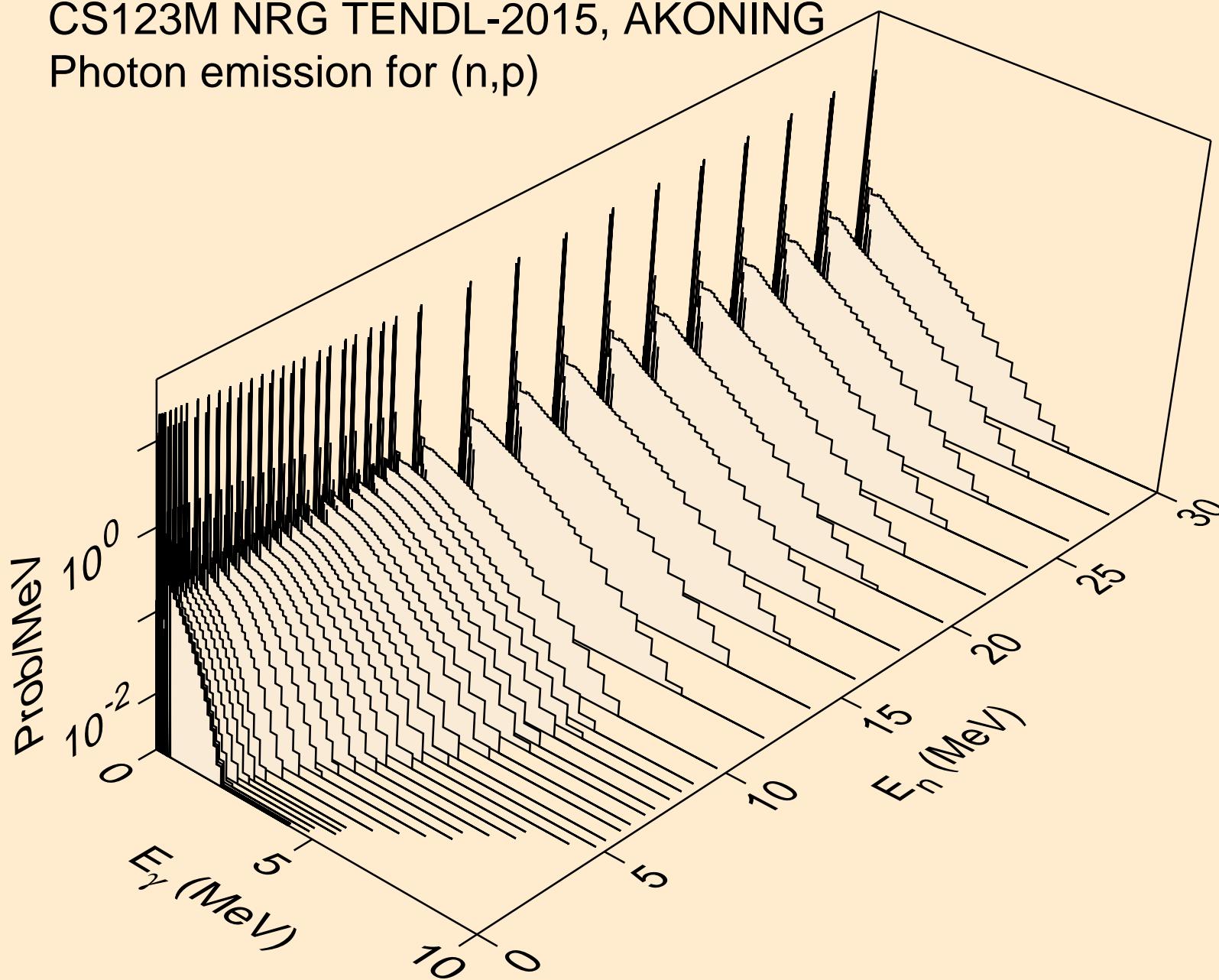


CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



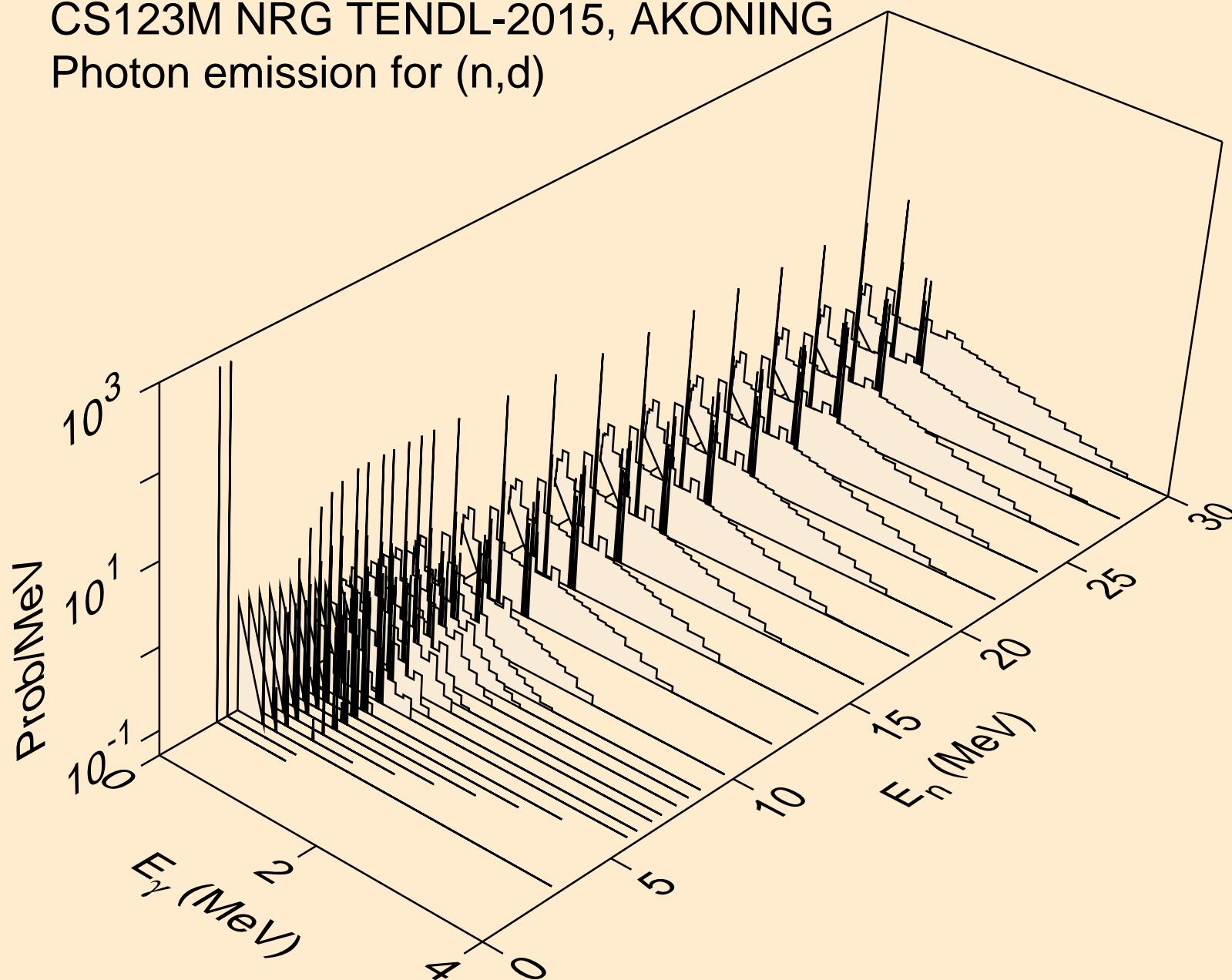
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Photon emission for (n,p)



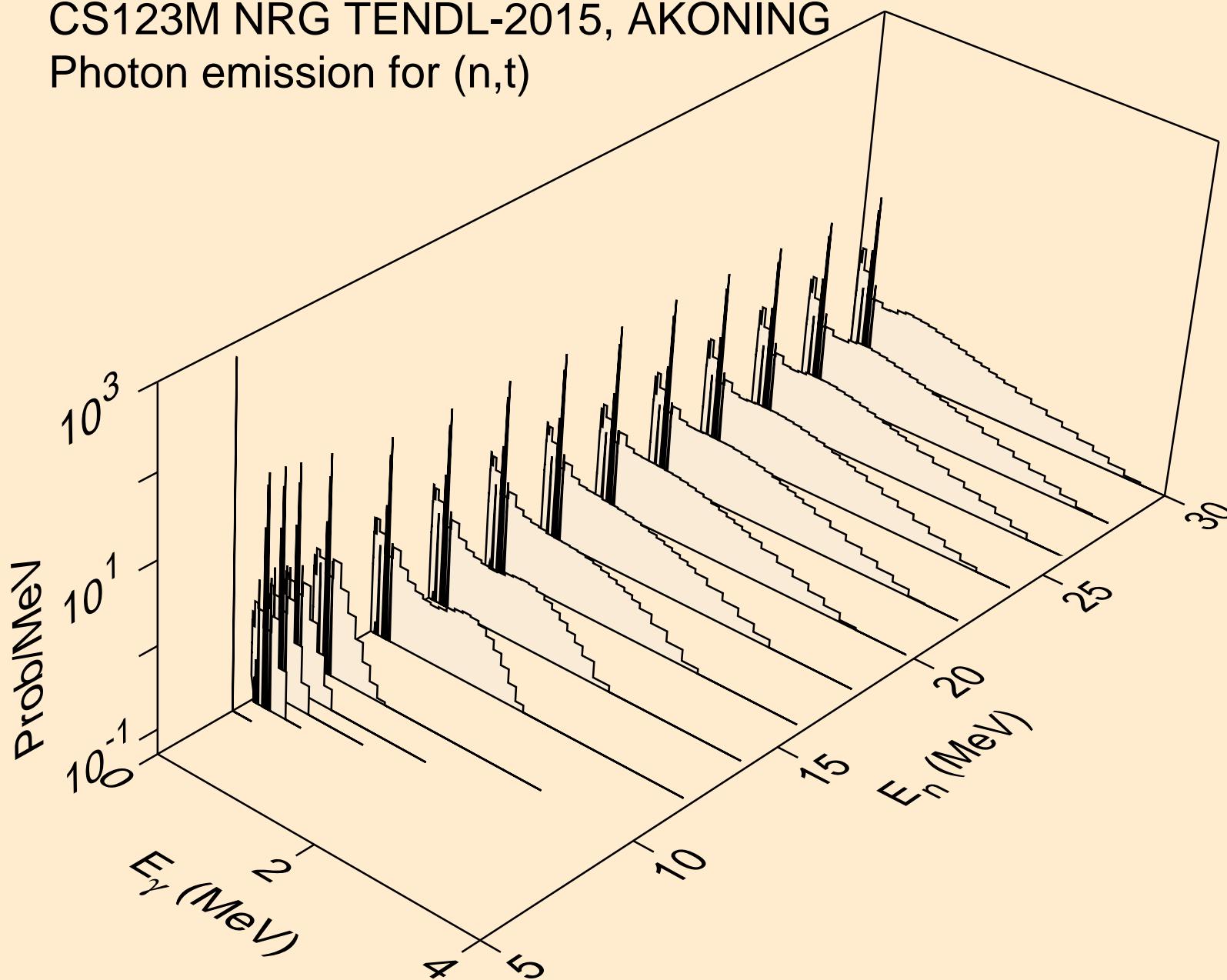
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Photon emission for (n,d)

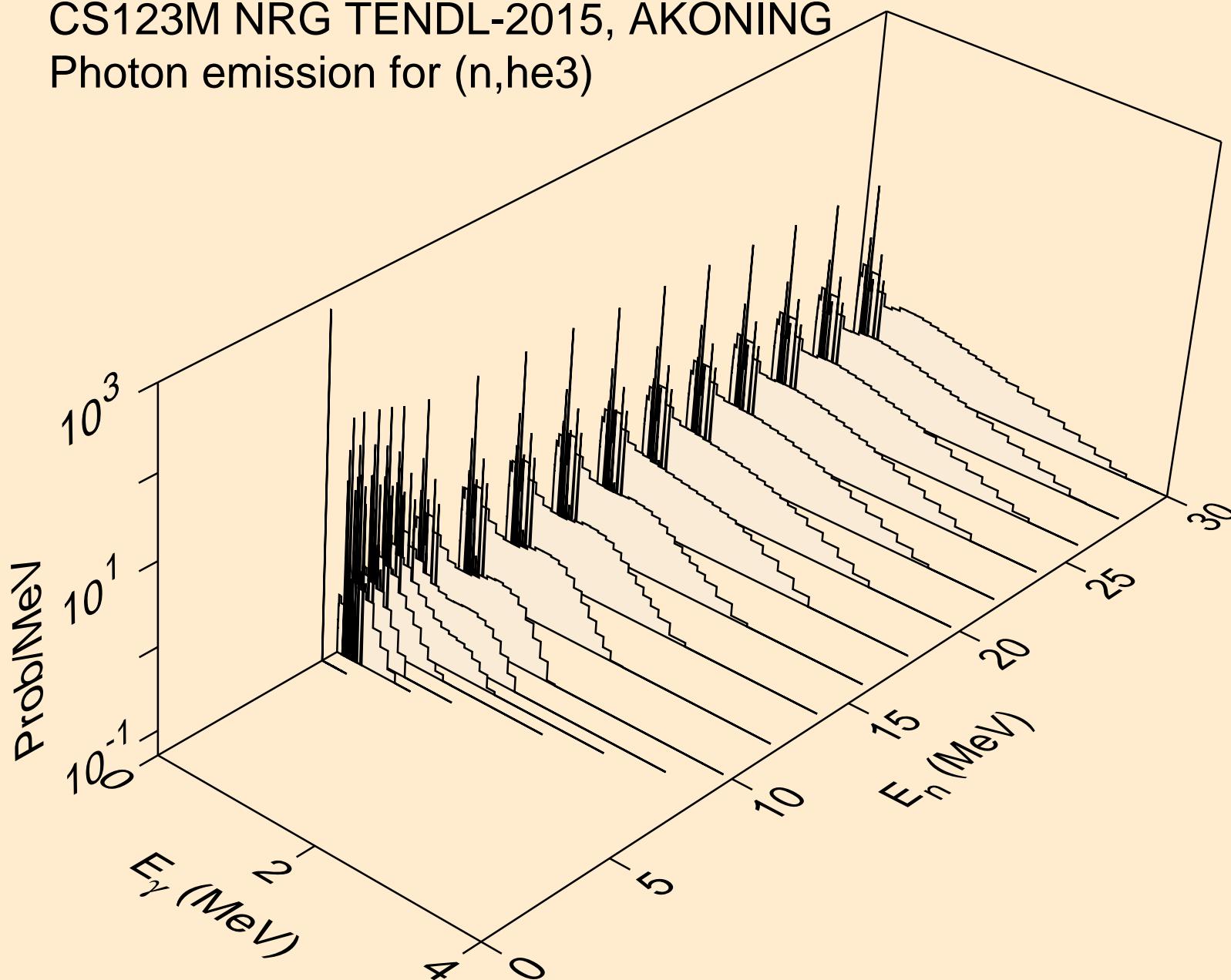


CS123M NRG TENDL-2015, AKONING

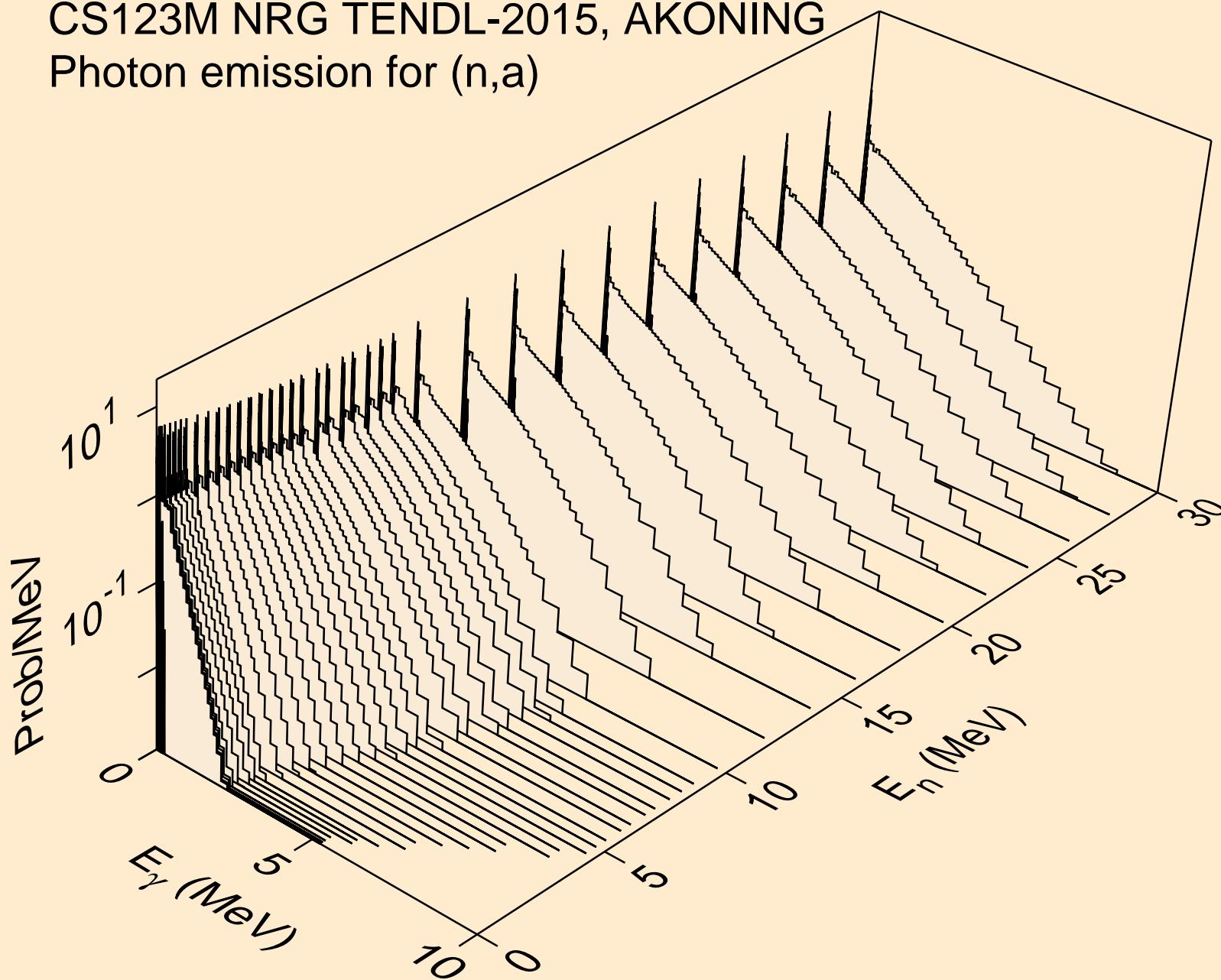
Photon emission for (n,t)



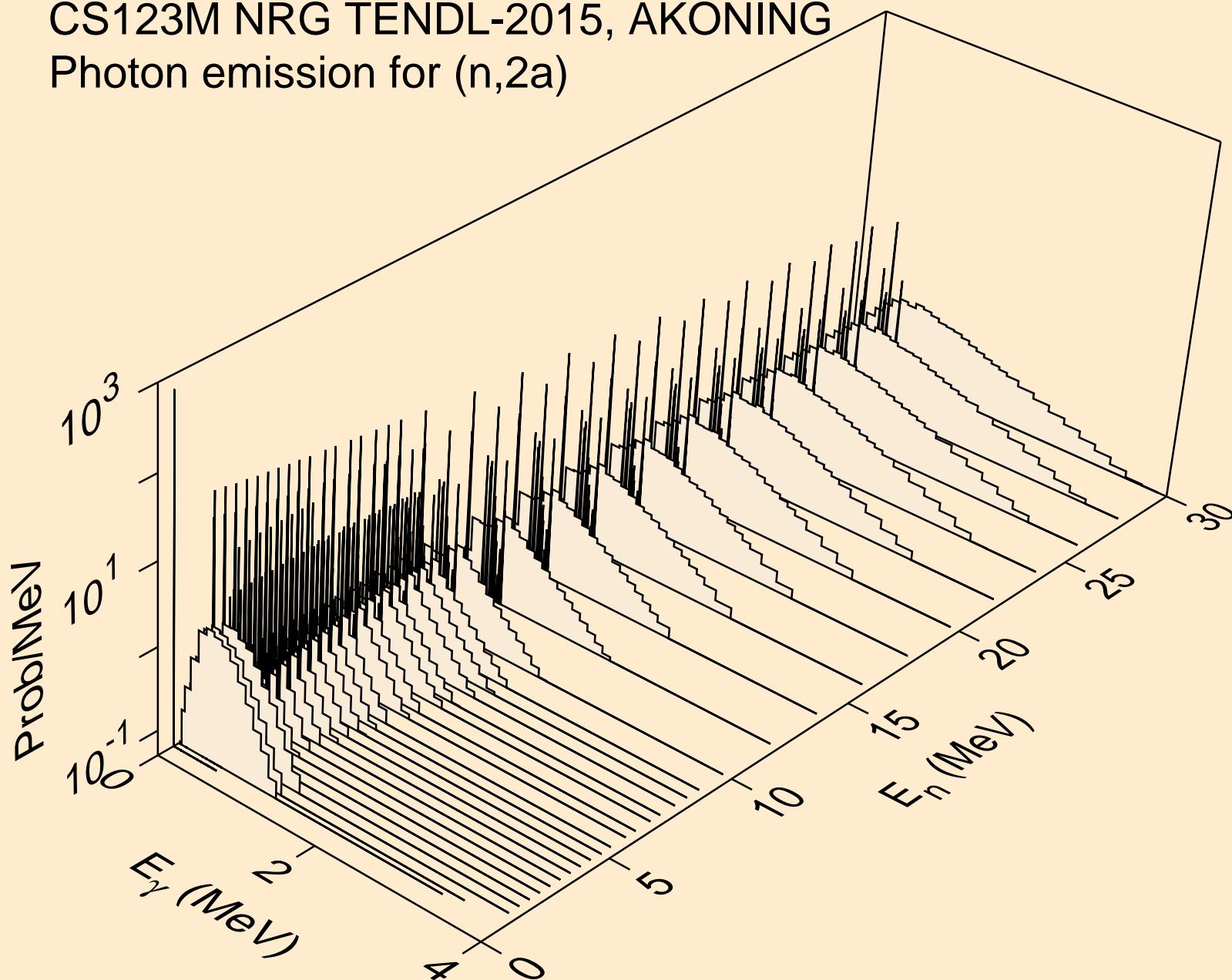
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Photon emission for (n,he3)



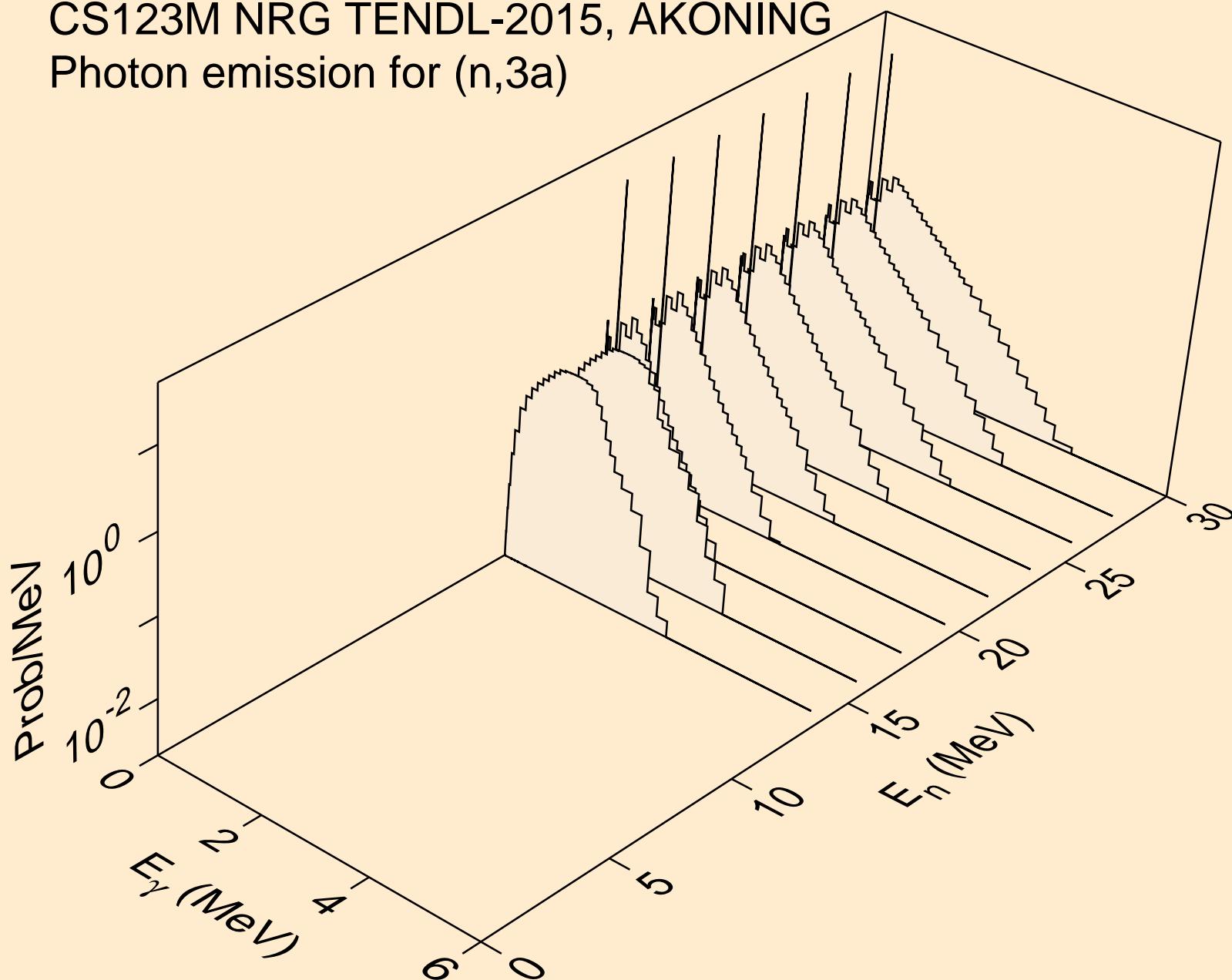
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Photon emission for (n,a)



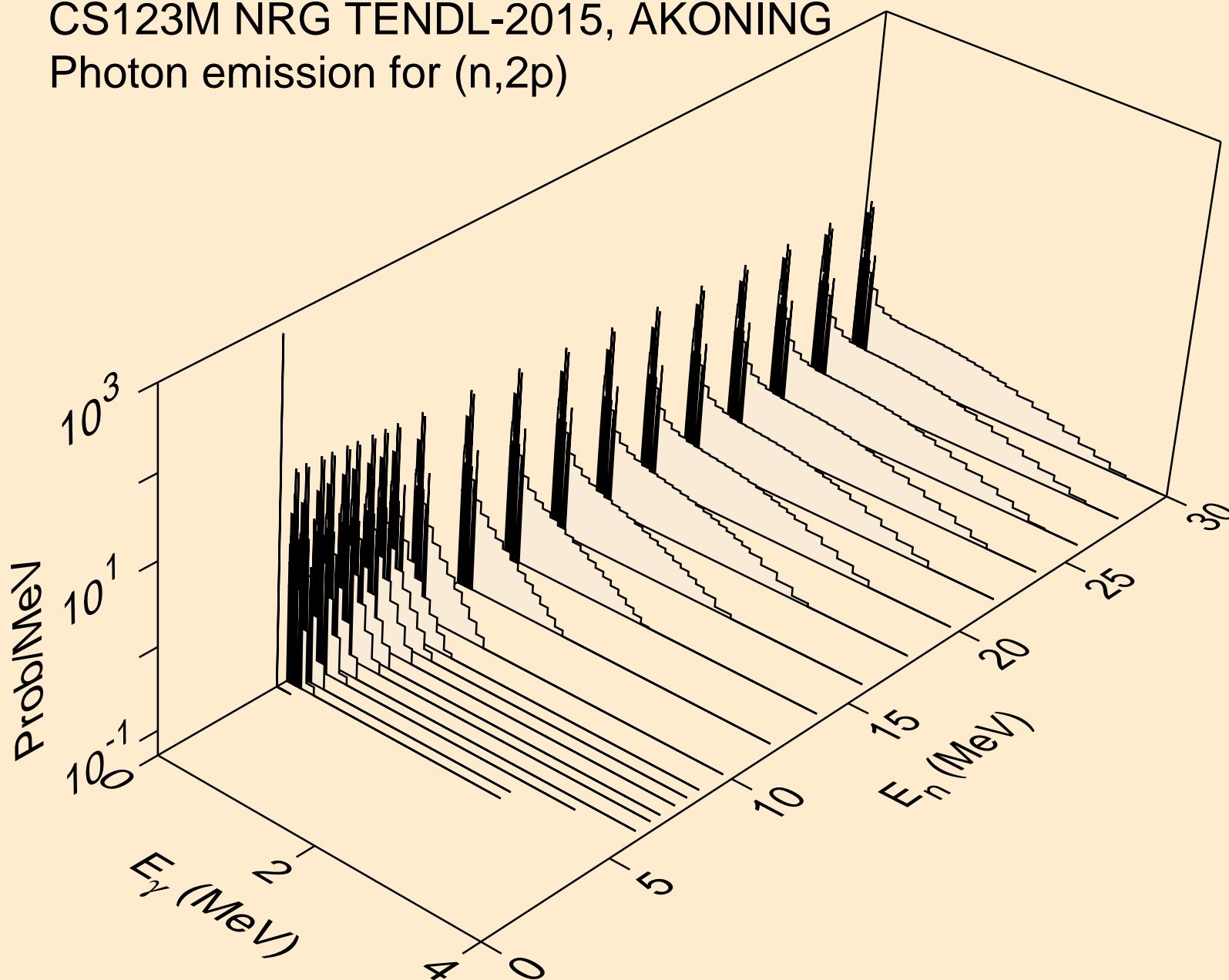
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Photon emission for (n,2a)



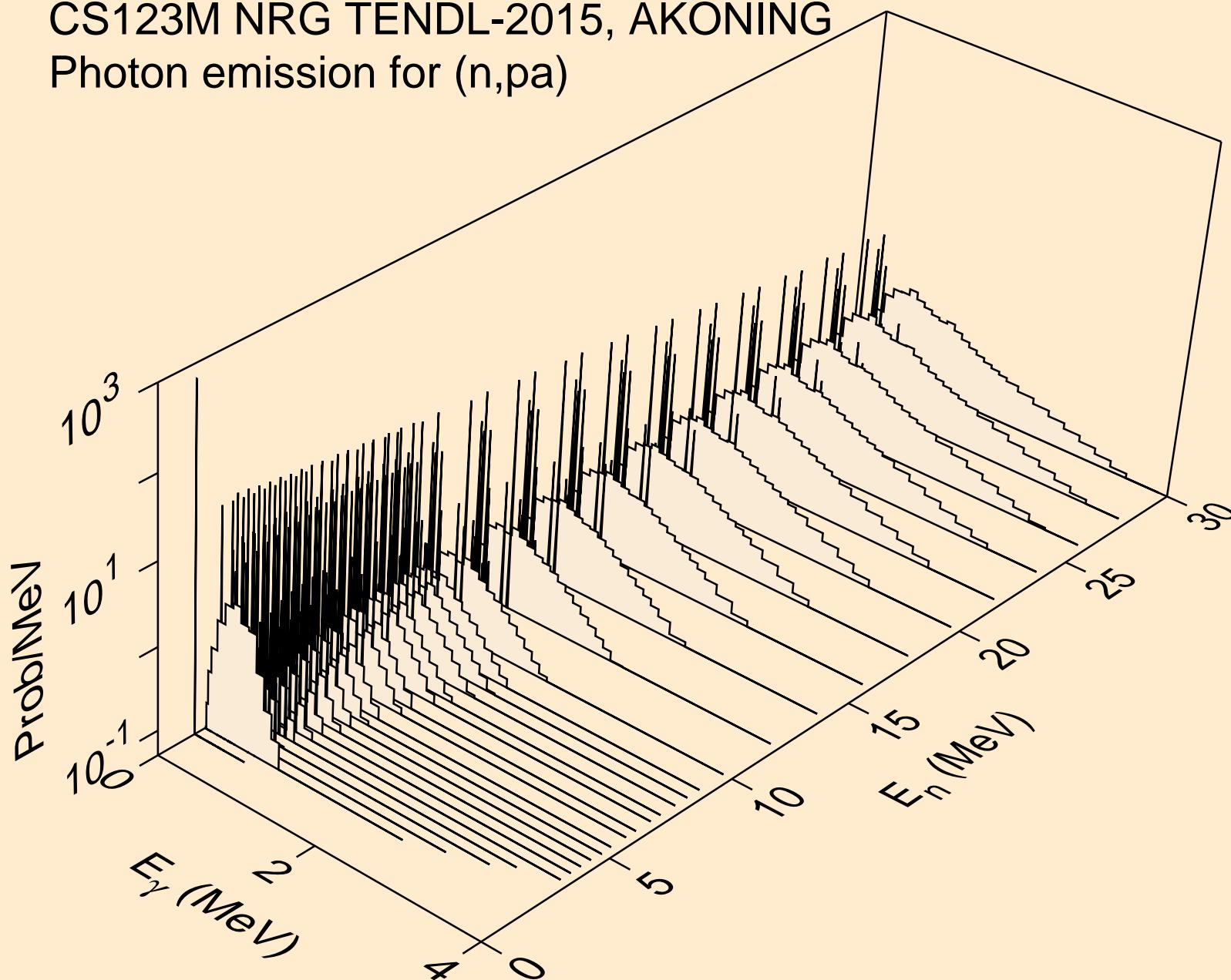
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Photon emission for (n,3a)



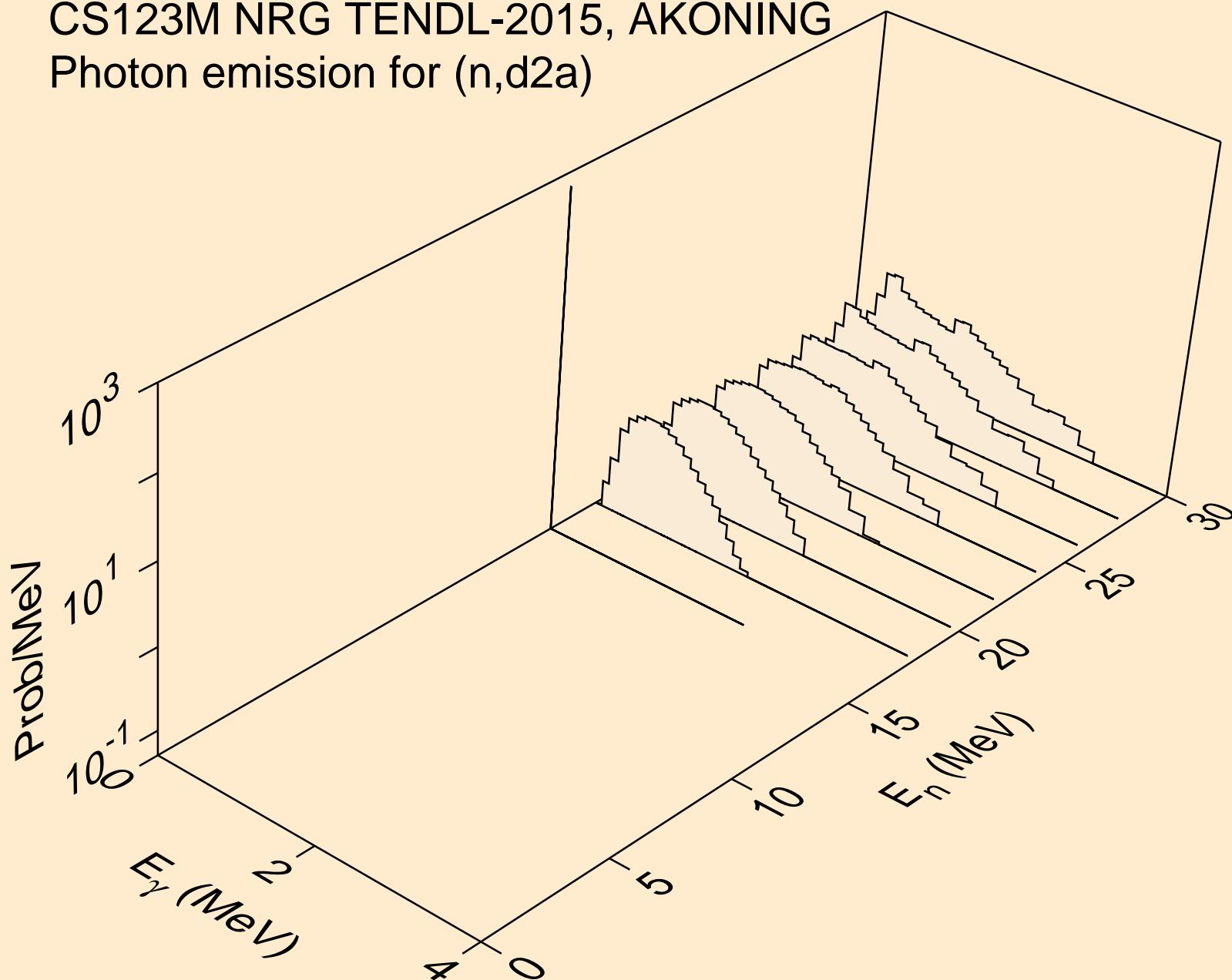
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Photon emission for (n,2p)



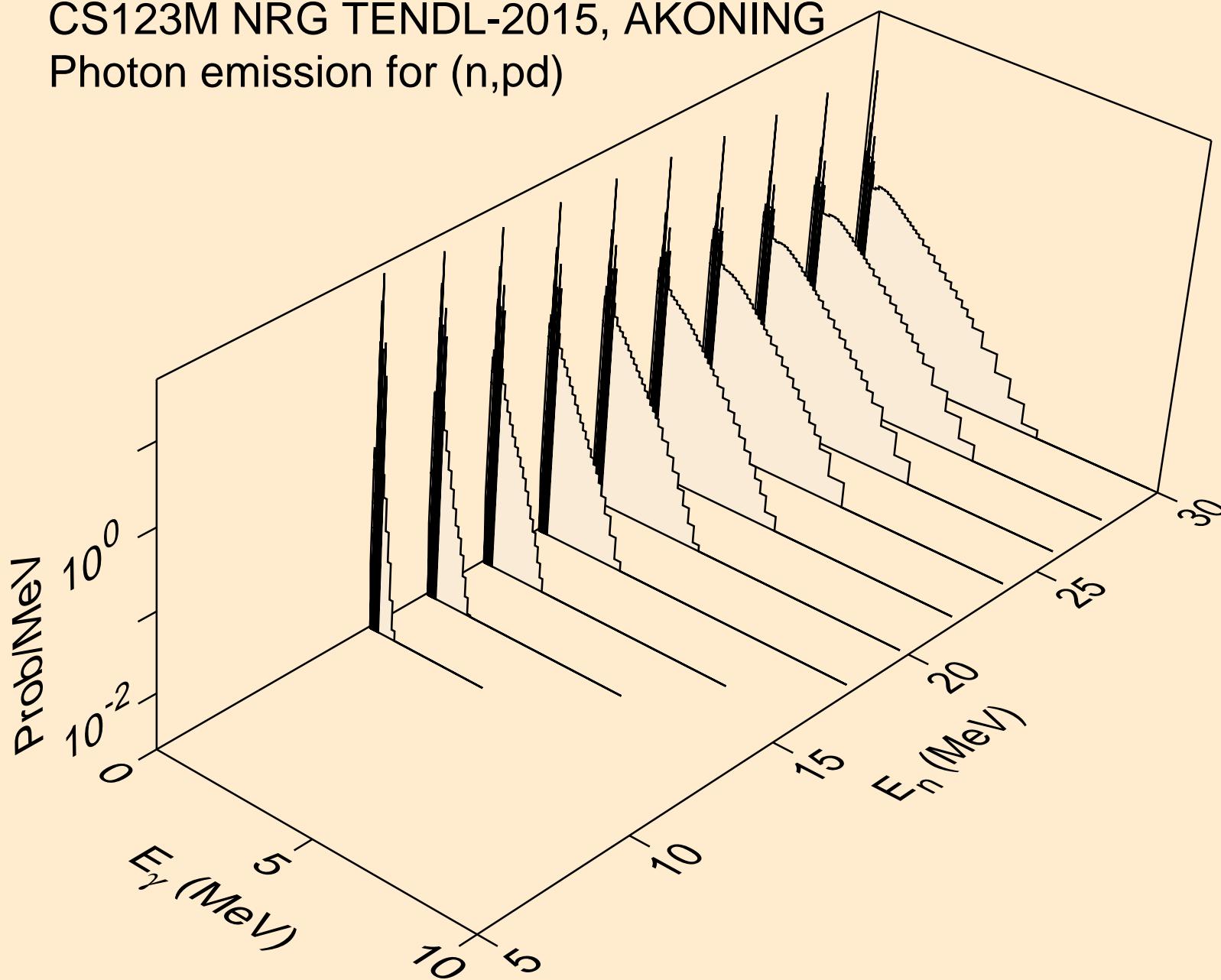
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Photon emission for (n,pa)



CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)

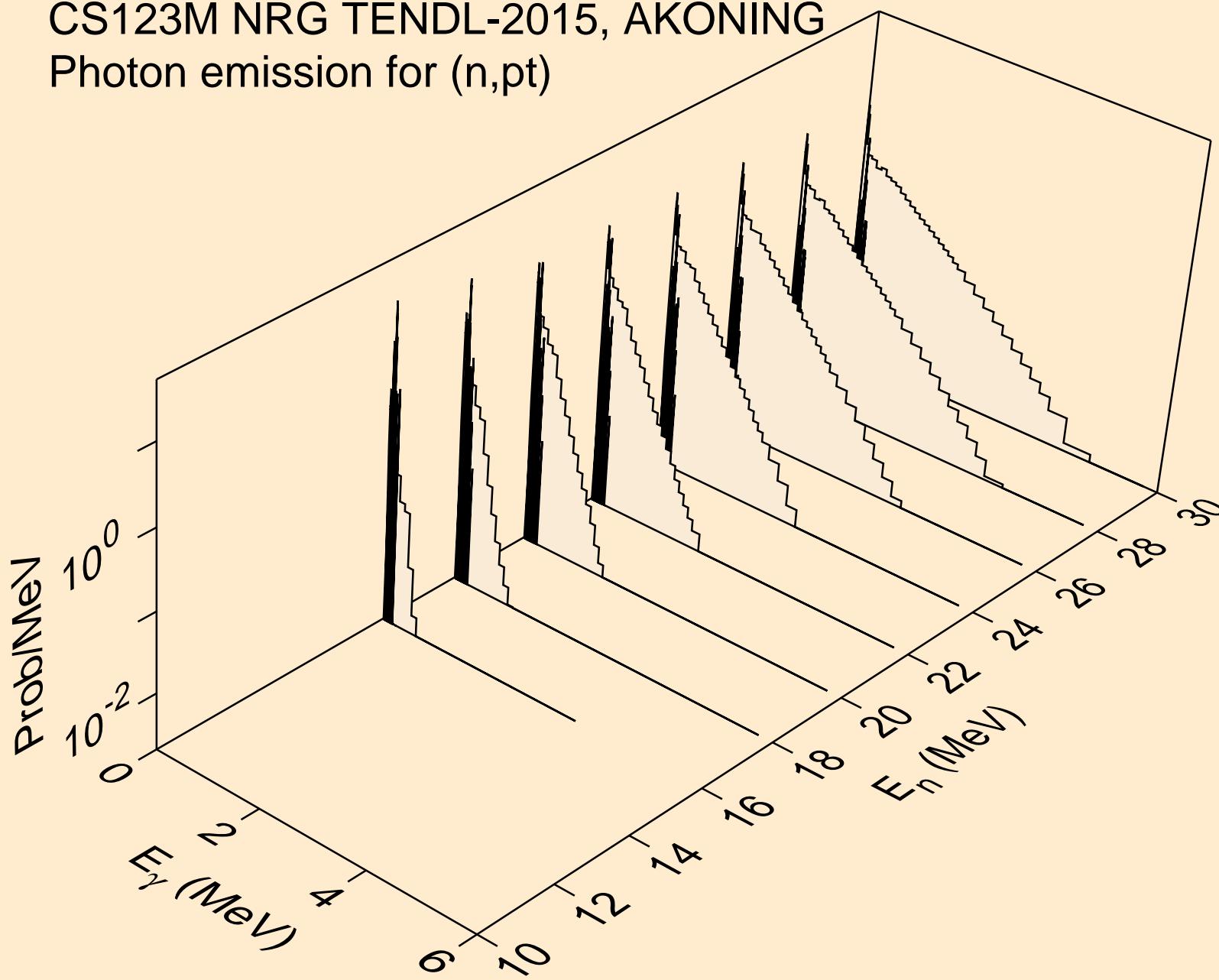


CS123M NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

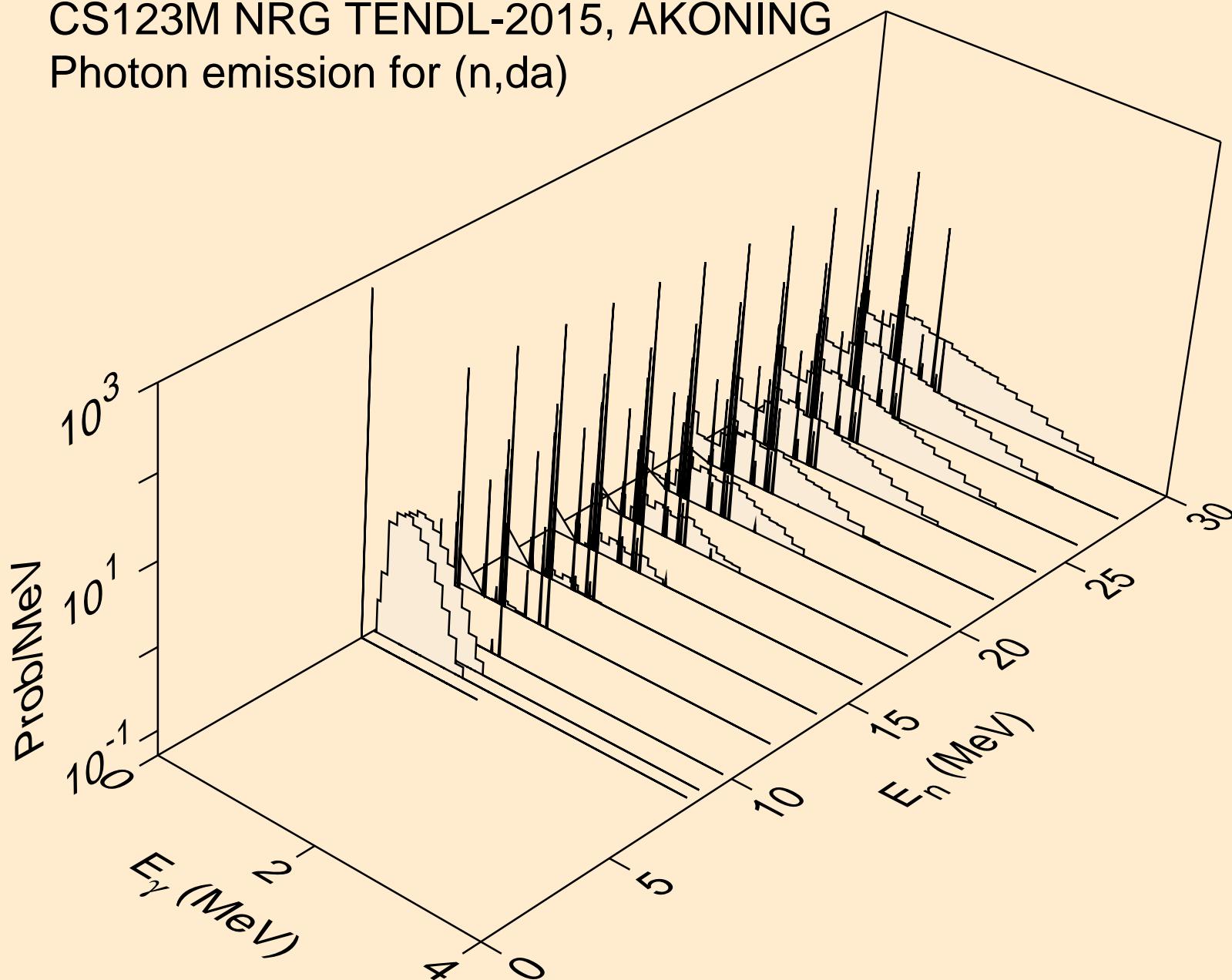


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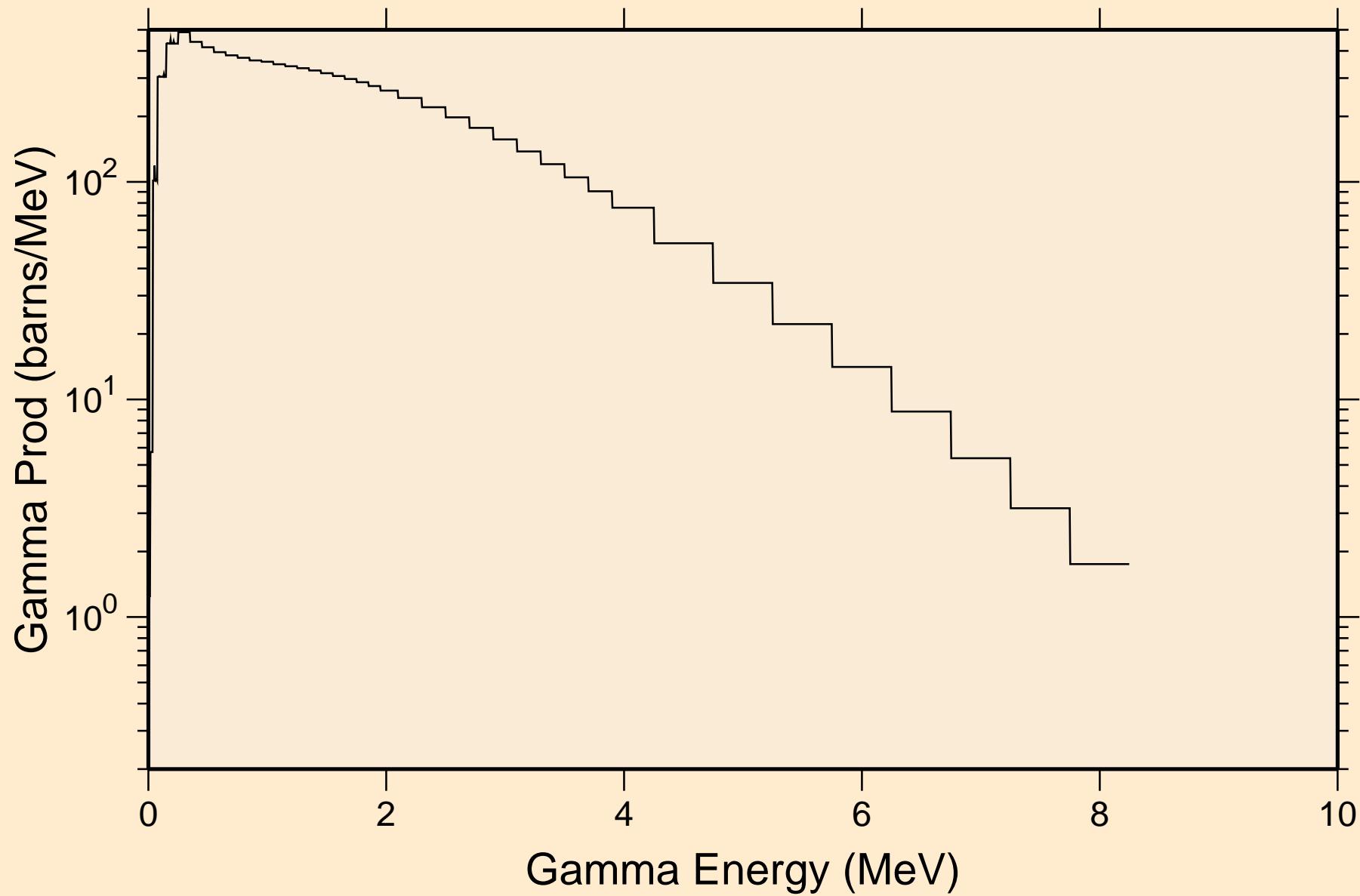
Photon emission for (n,pt)



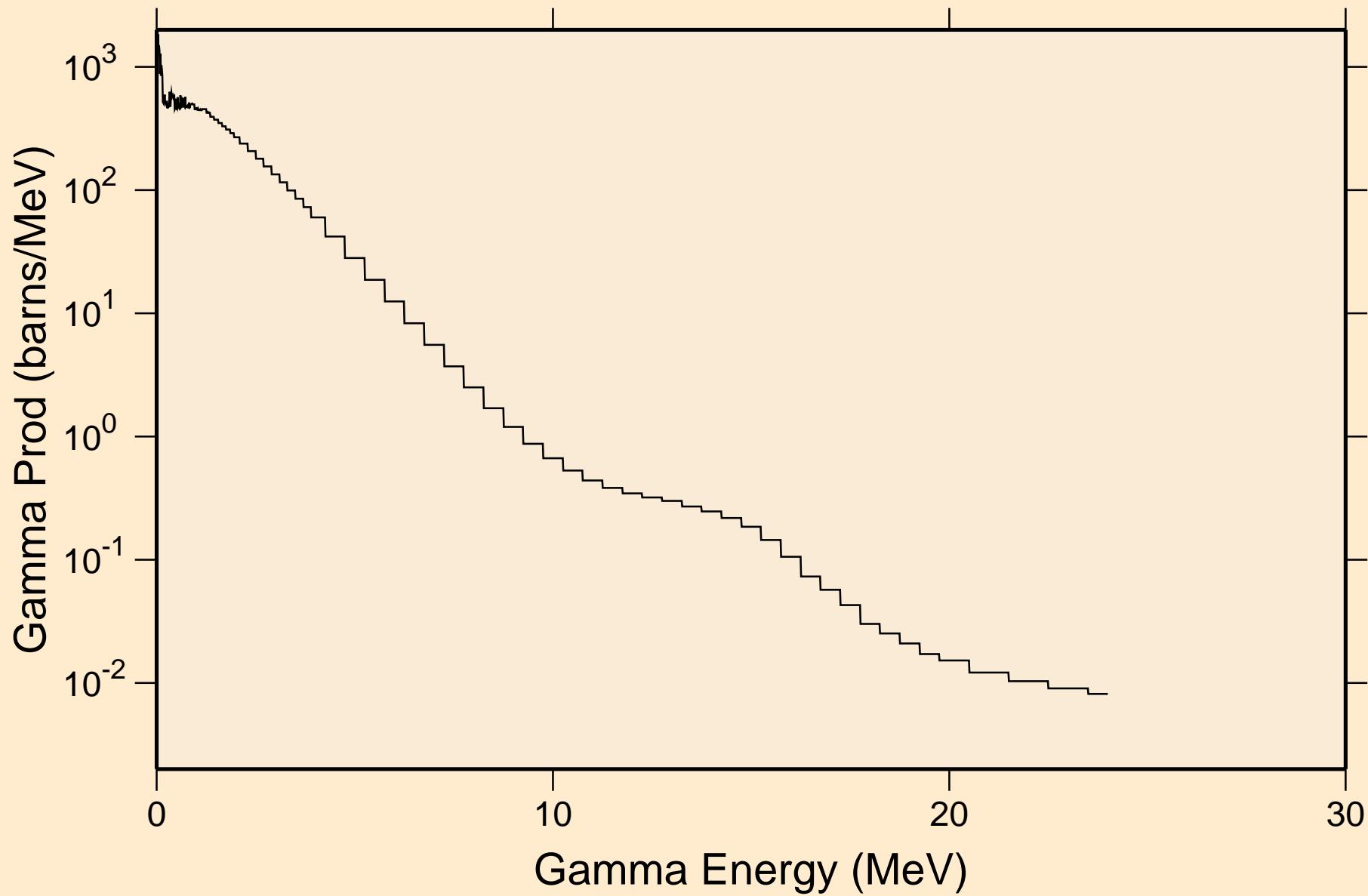
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Photon emission for (n,da)



CS123M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

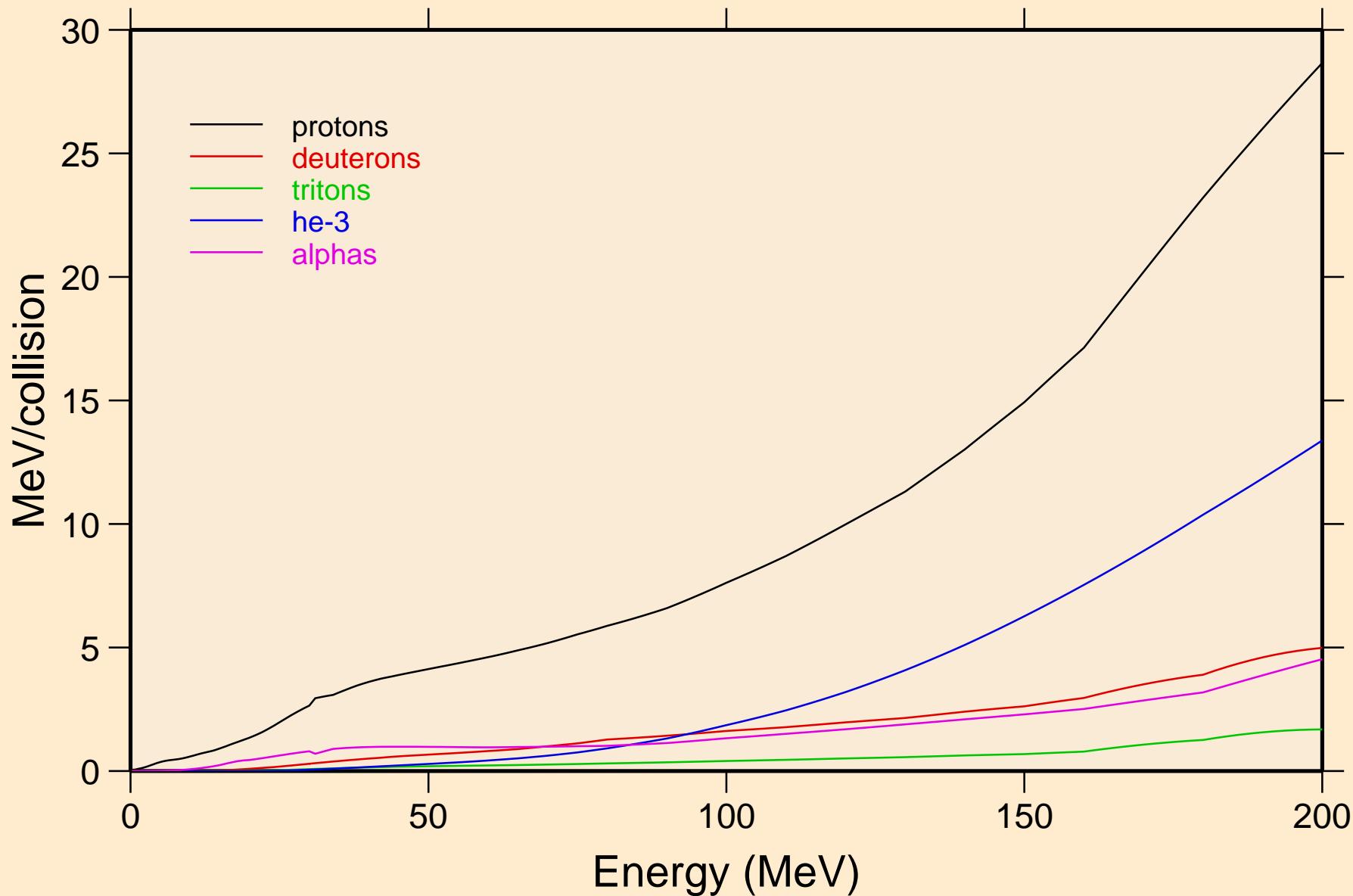


CS123M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



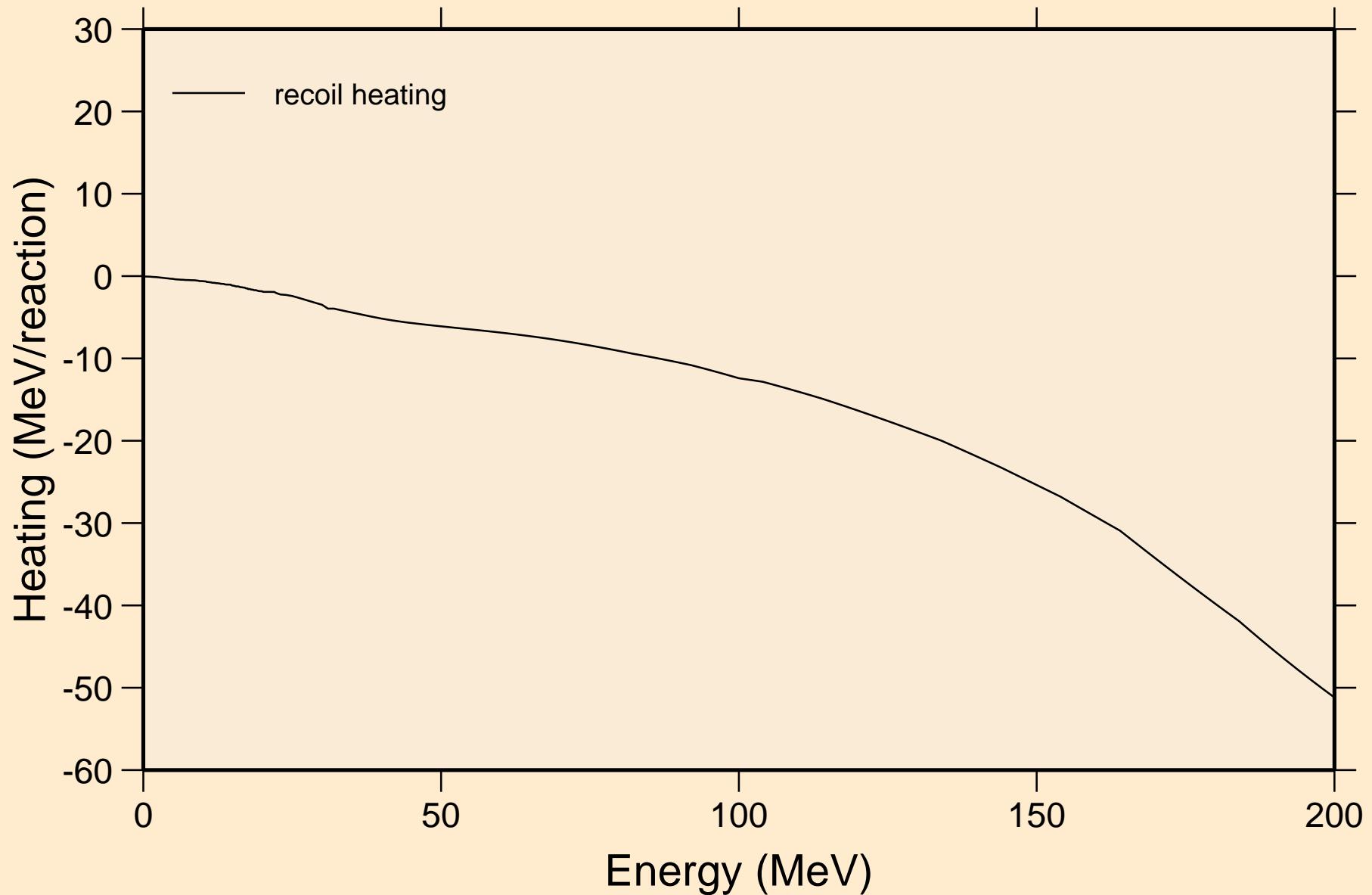
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## Particle heating contributions



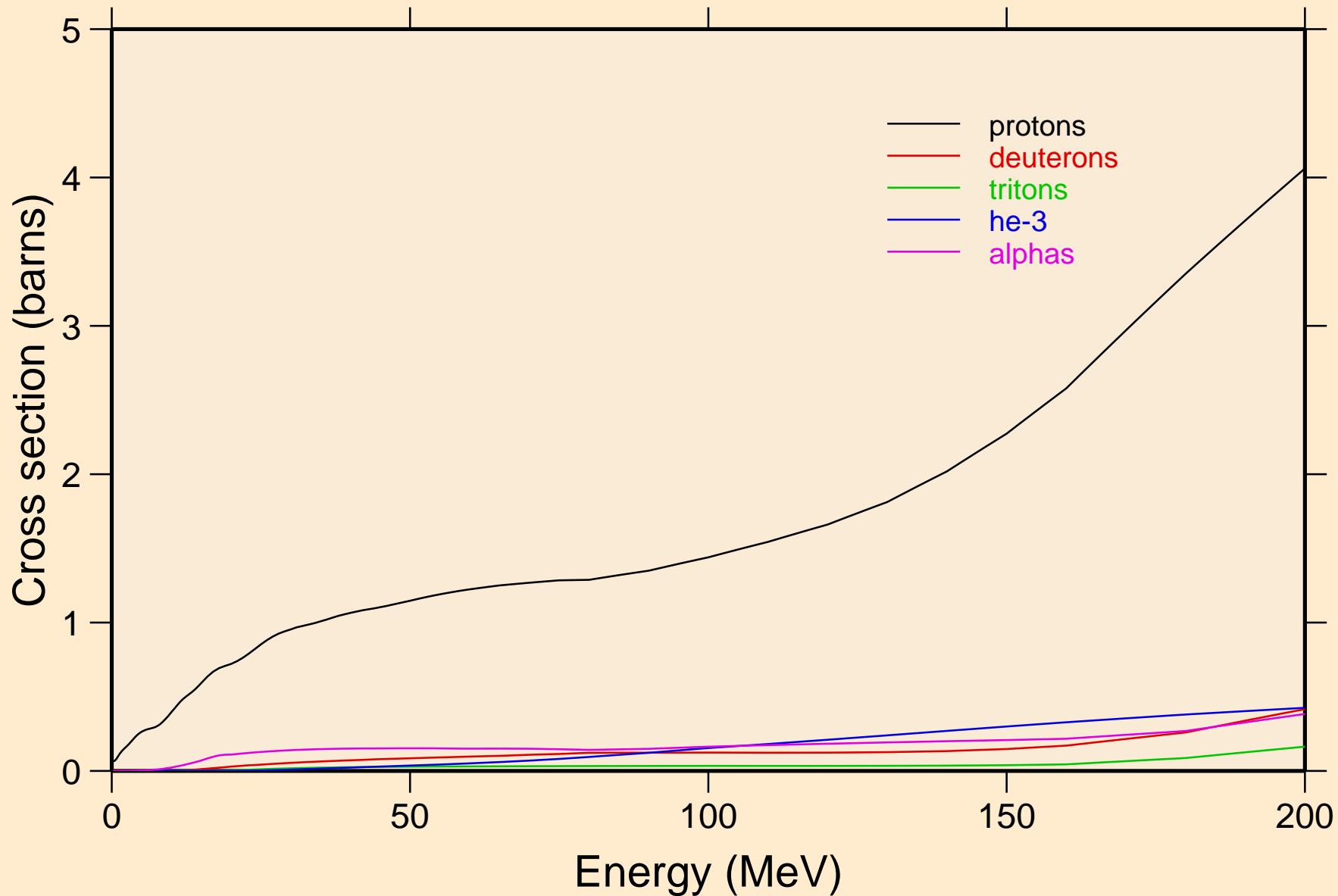
# CS123M NRG TENDL-2015, AKONING

## Recoil Heating

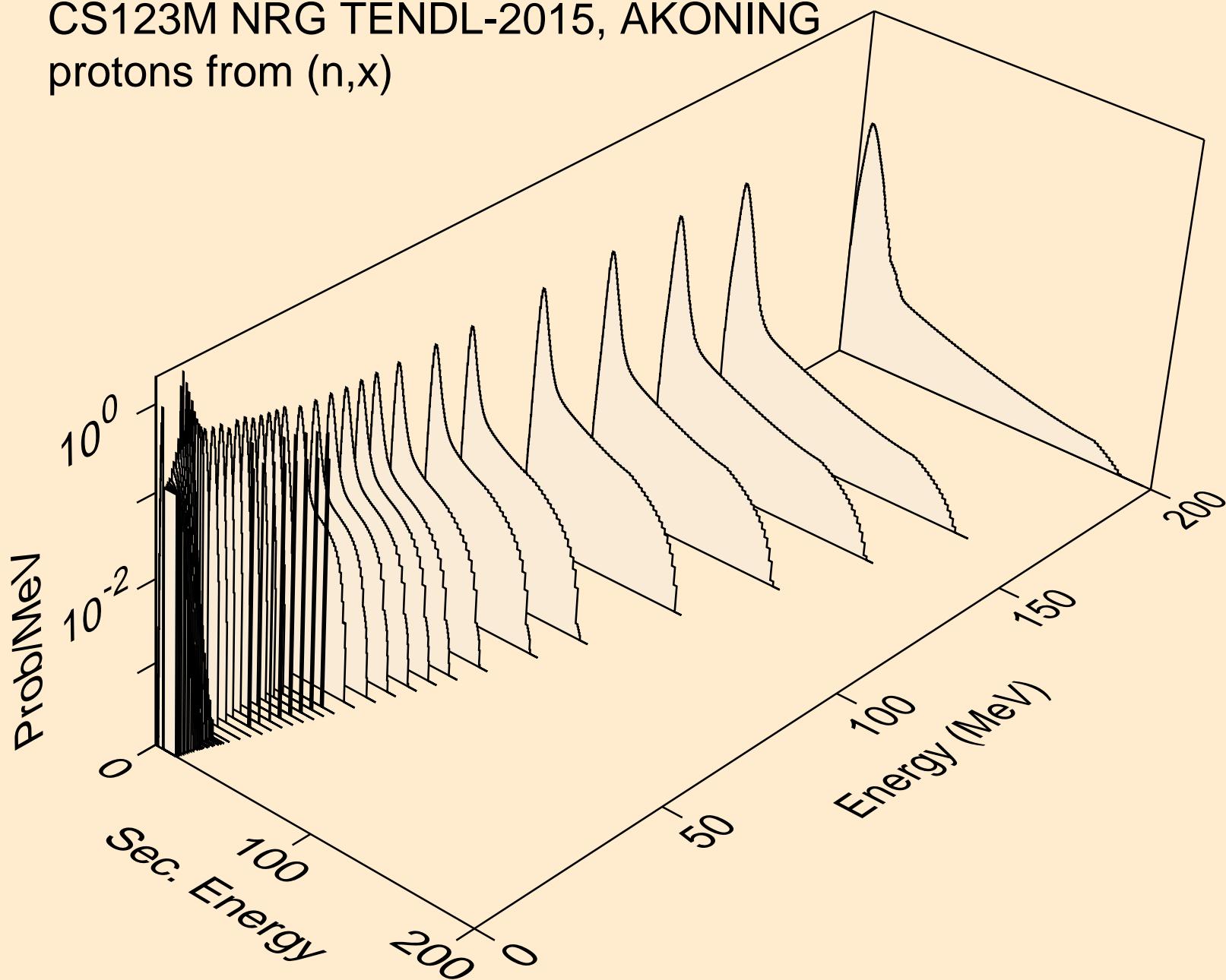


# CS123M NRG TENDL-2015, AKONING

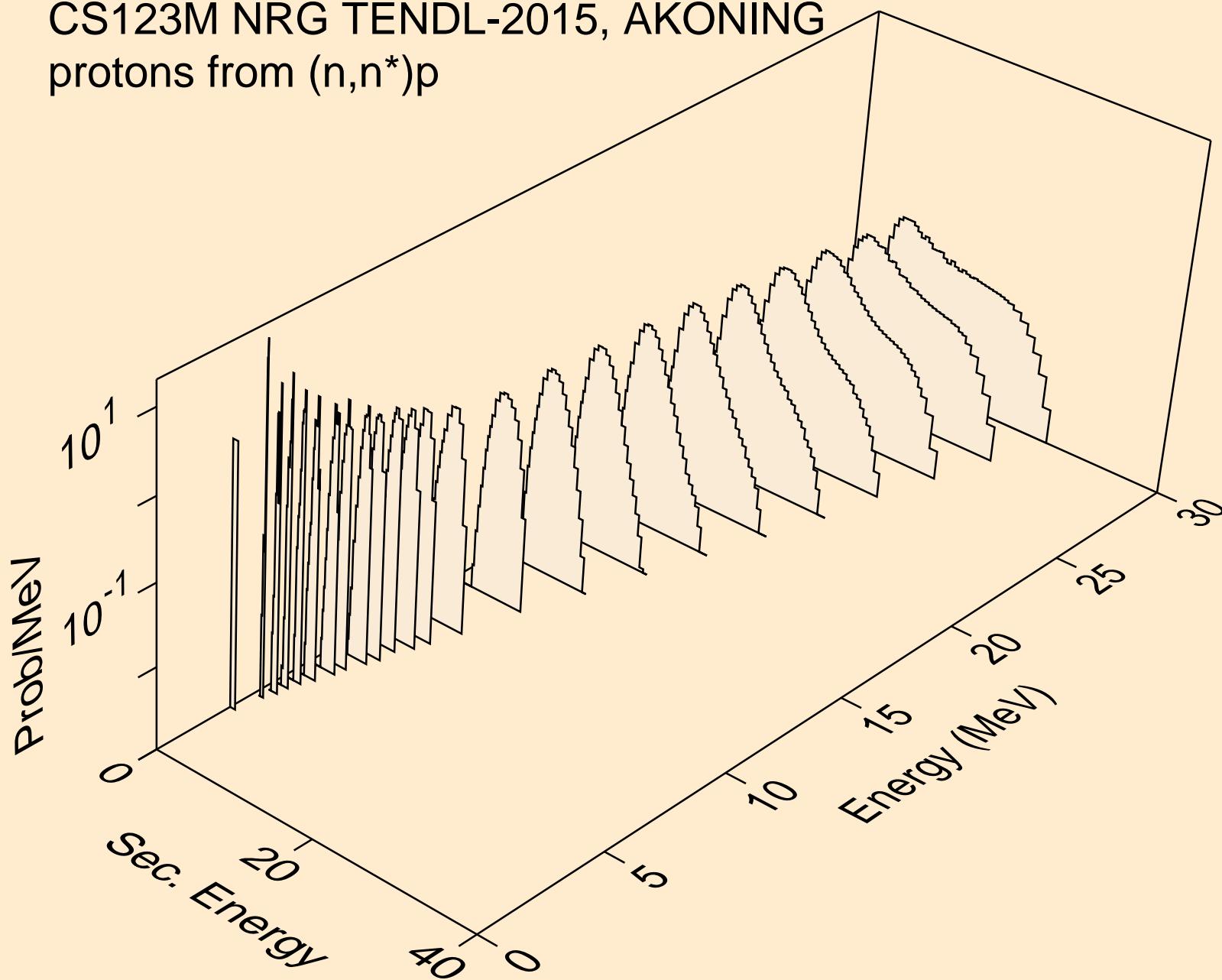
## Particle production cross sections



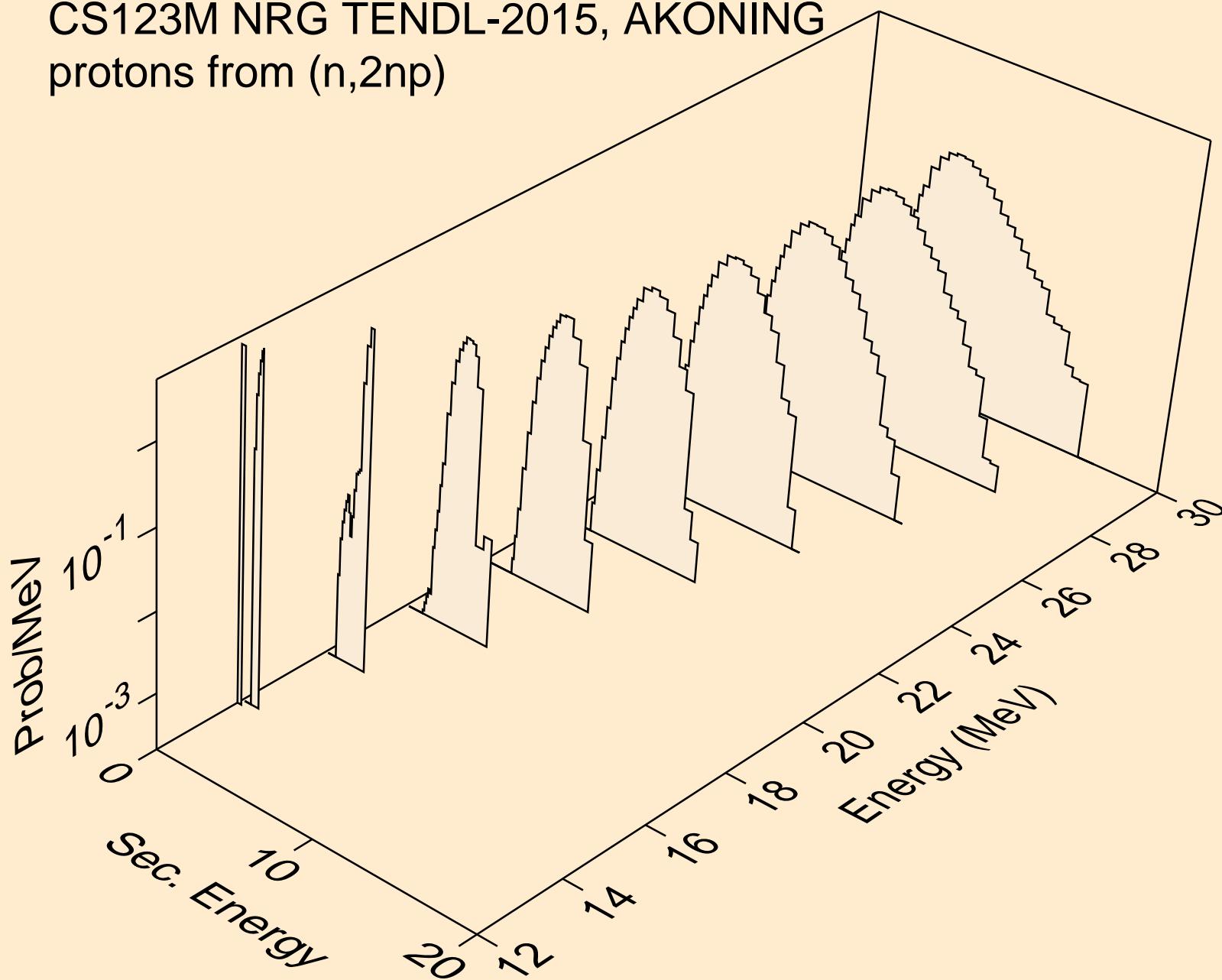
CS123M NRG TENDL-2015, AKONING  
protons from ( $n,x$ )



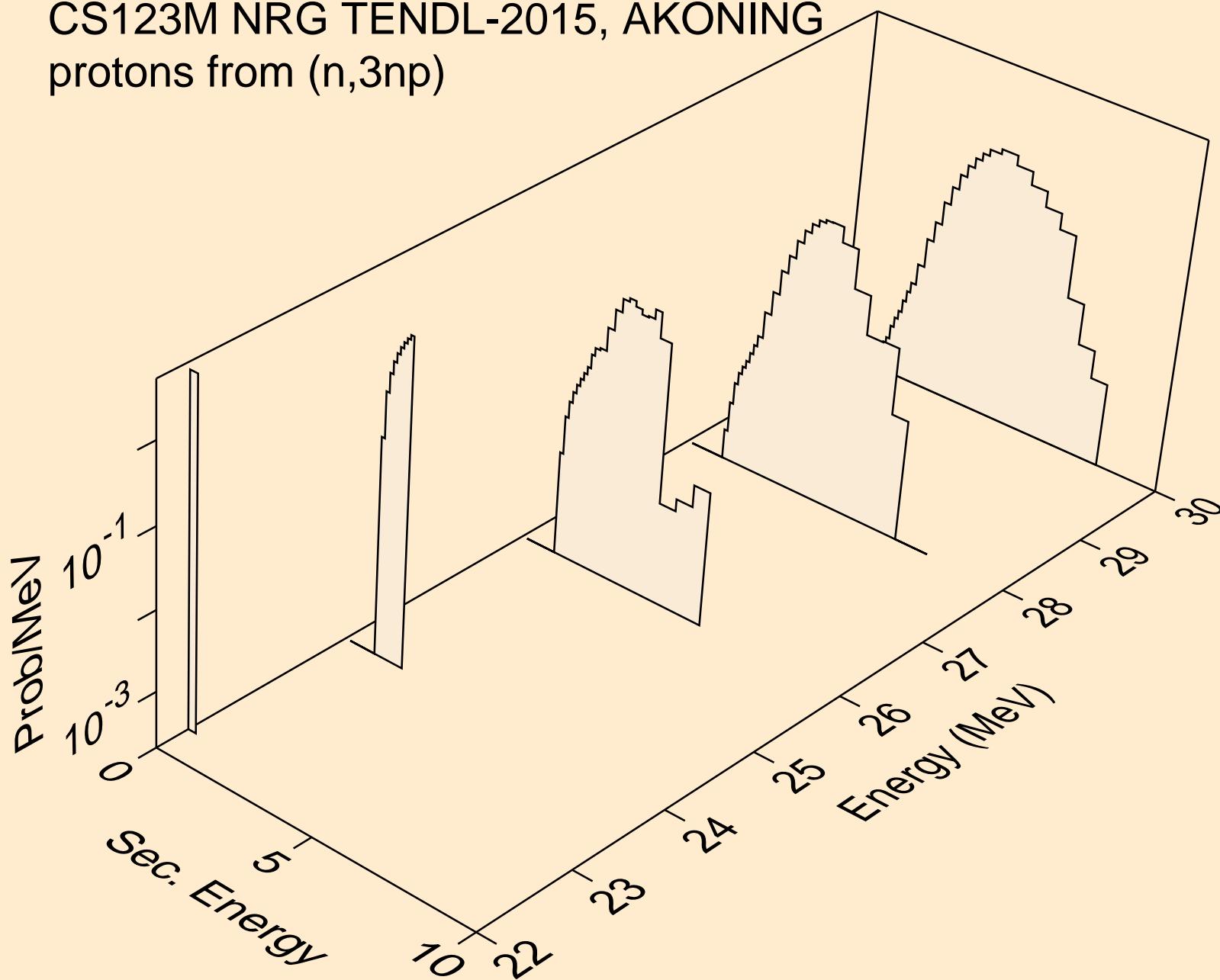
CS123M NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



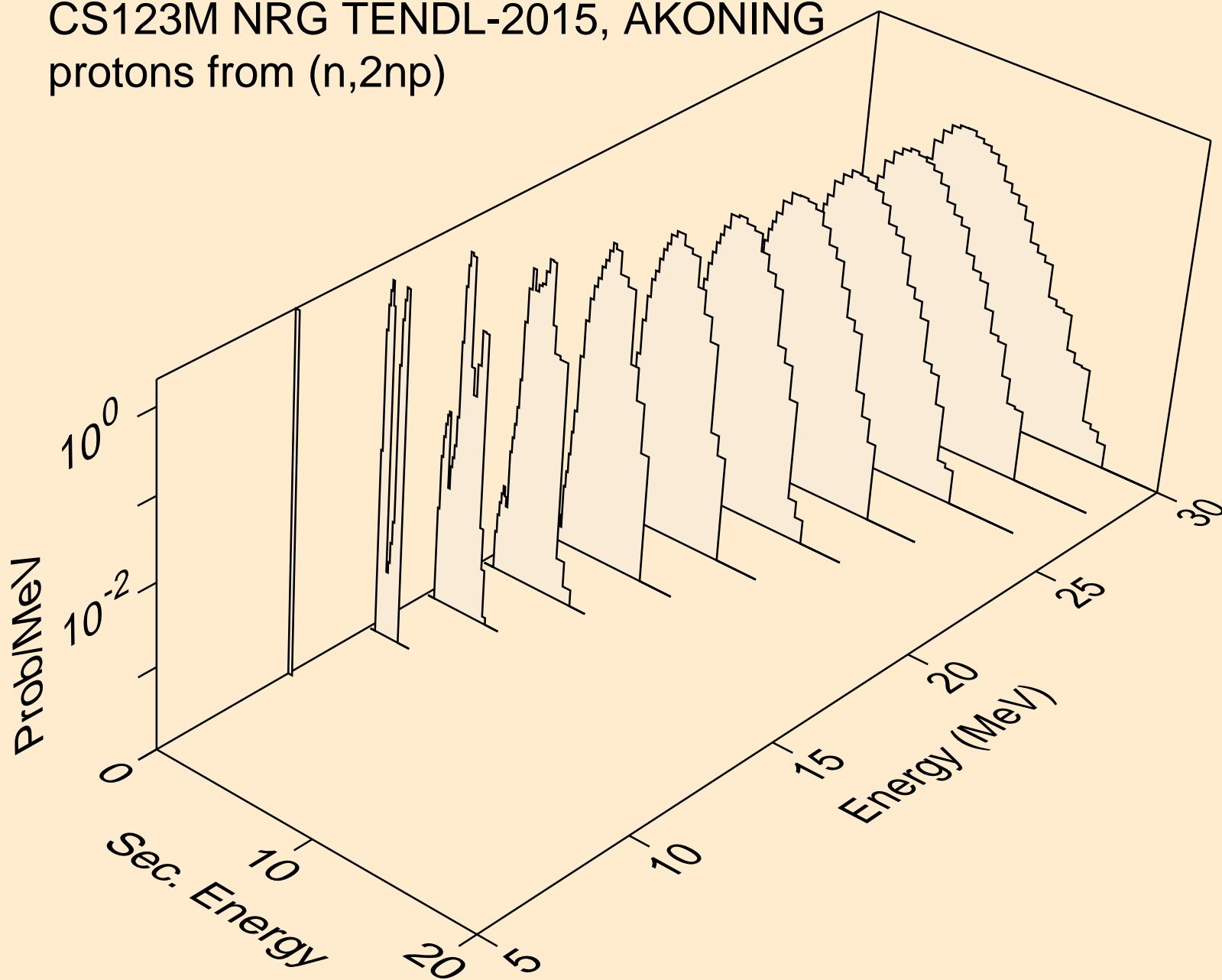
CS123M NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



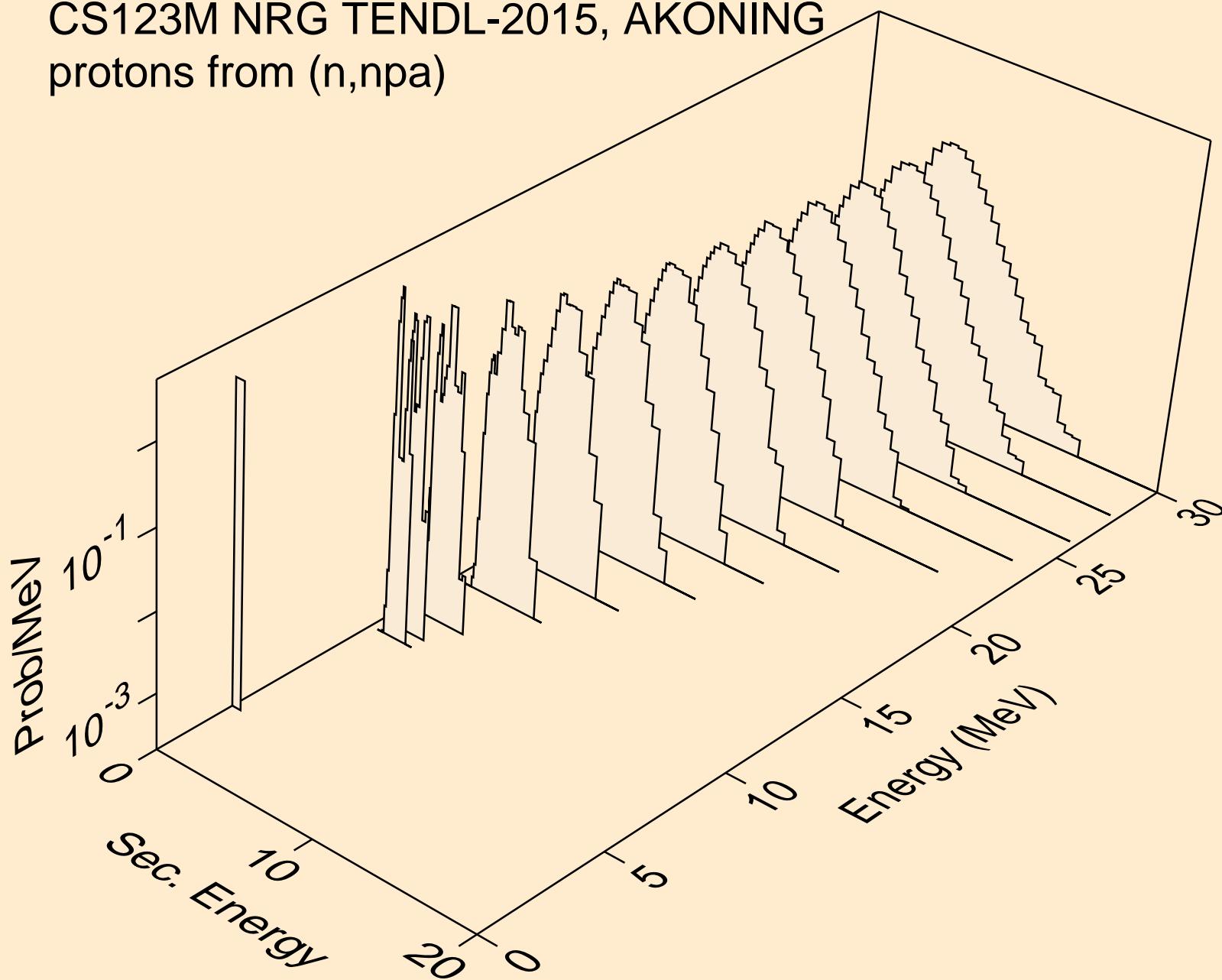
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protons from ( $n,3np$ )



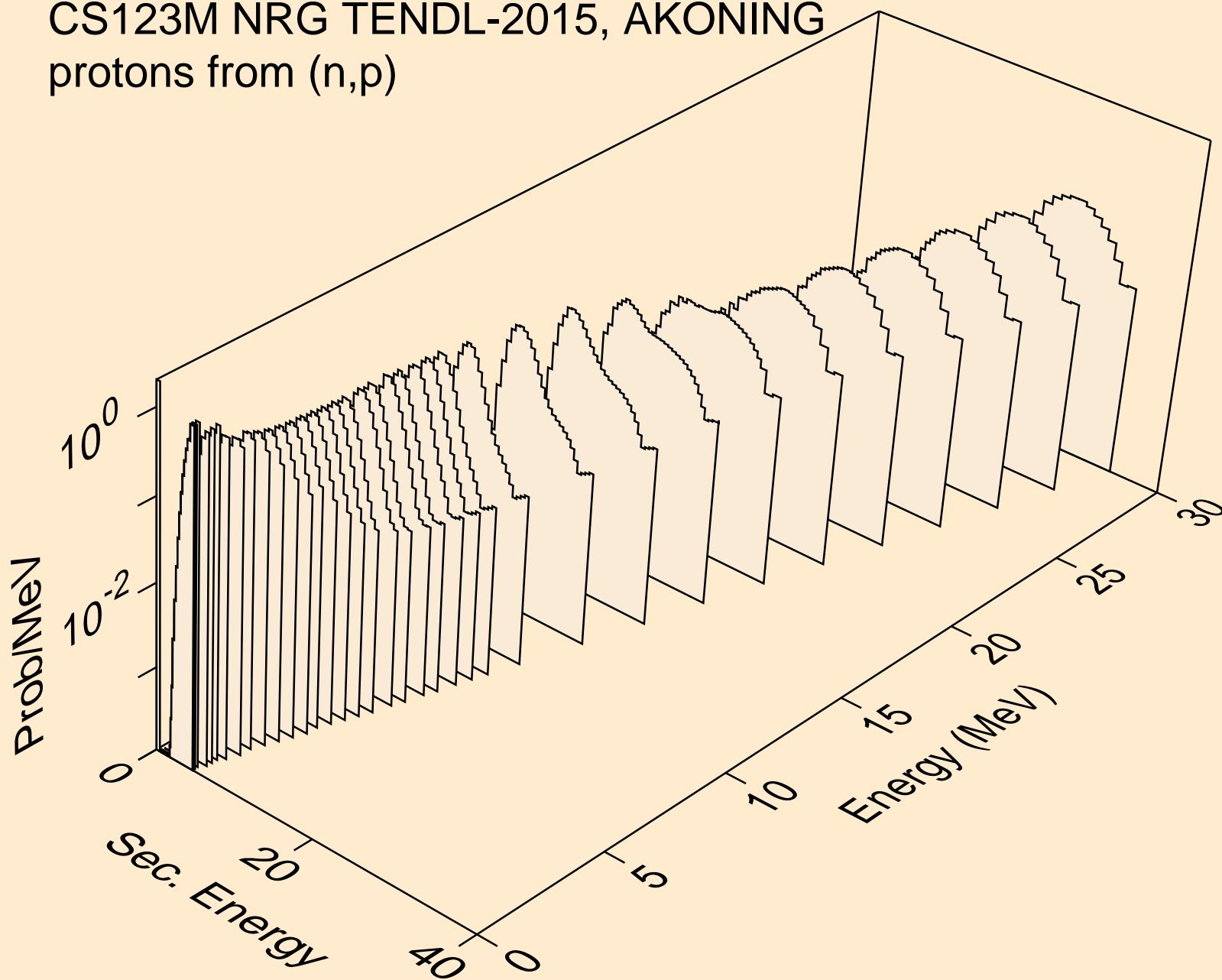
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protons from ( $n,2np$ )



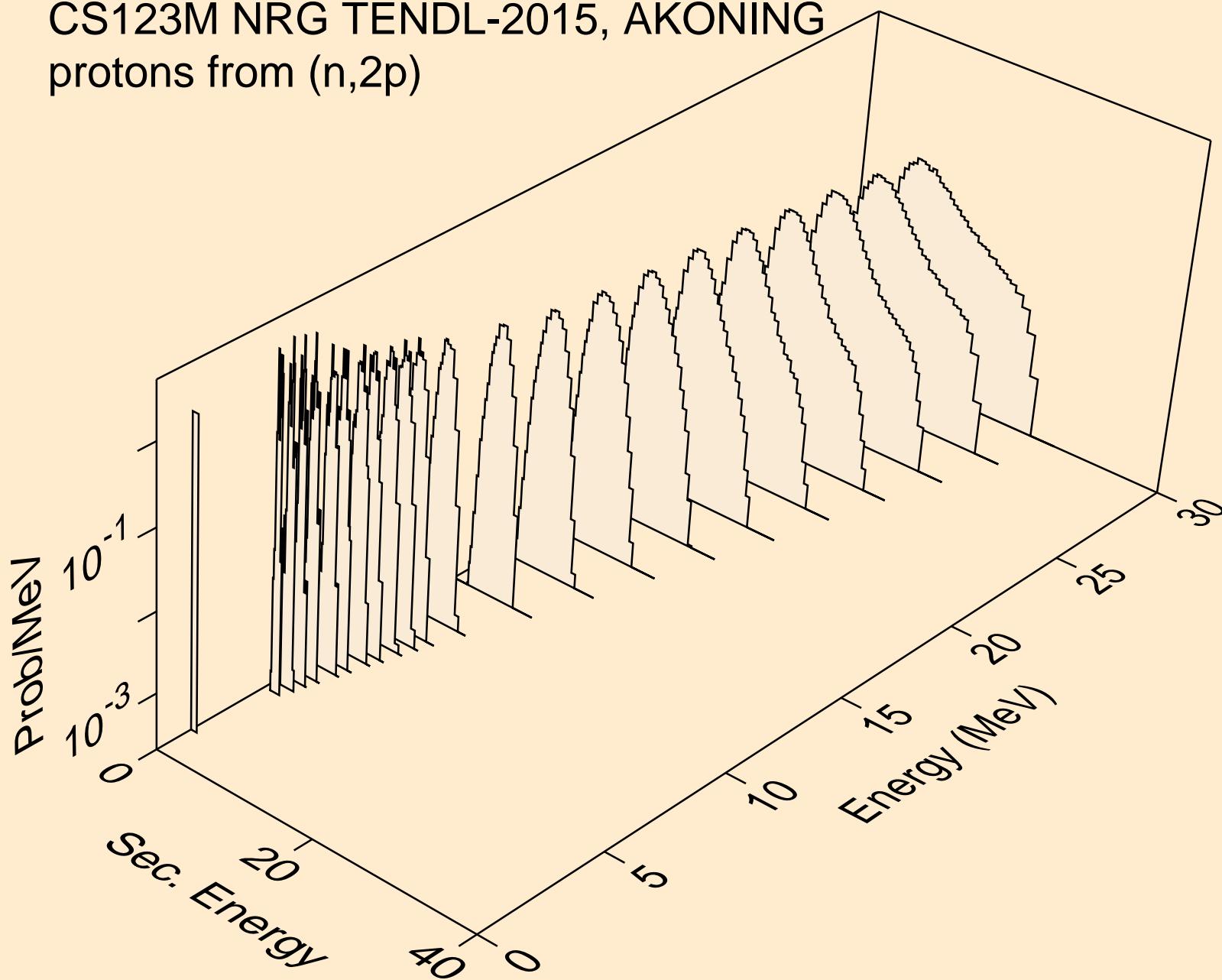
CS123M NRG TENDL-2015, AKONING  
protons from (n,npa)



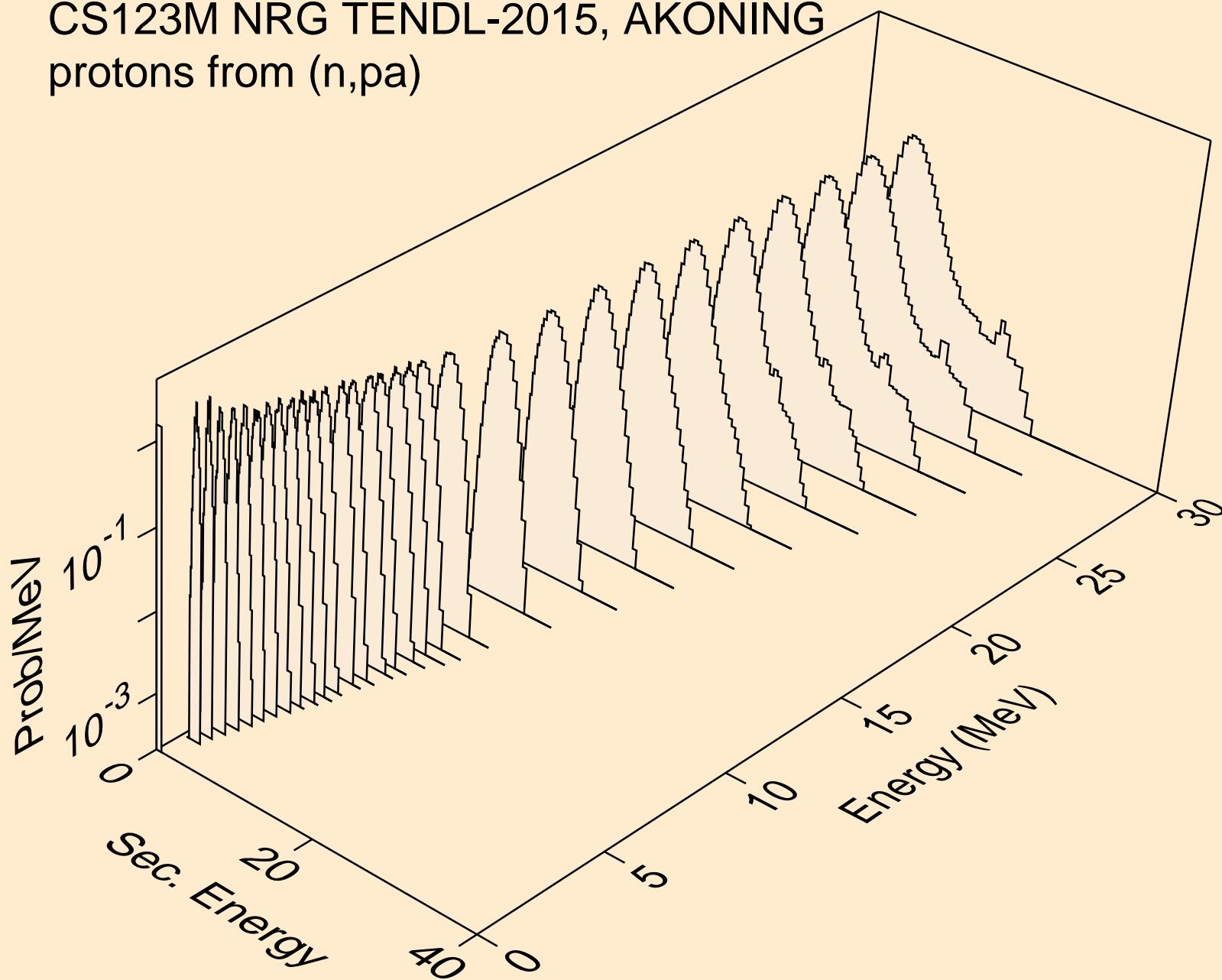
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protons from (n,p)



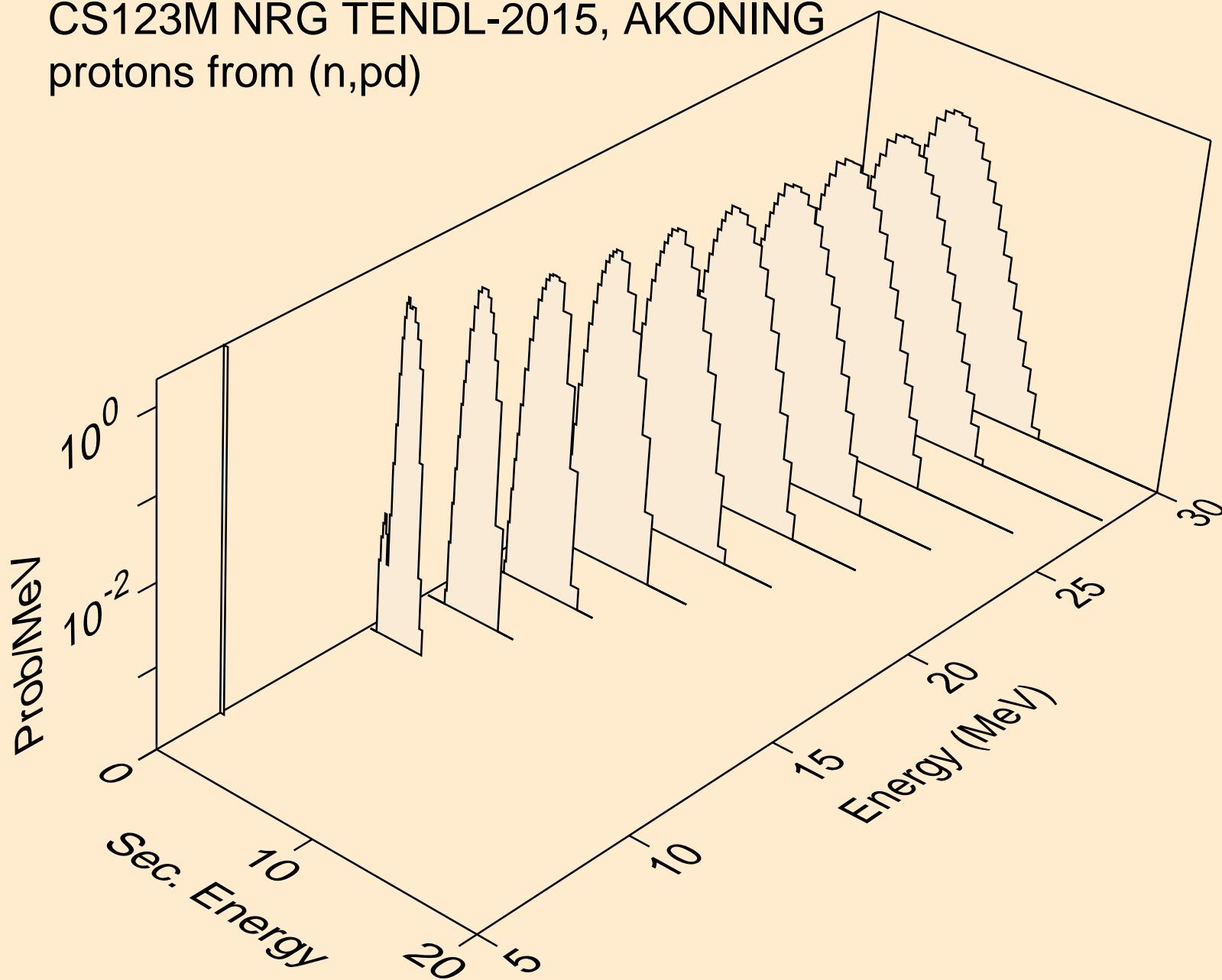
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protons from ( $n,2p$ )



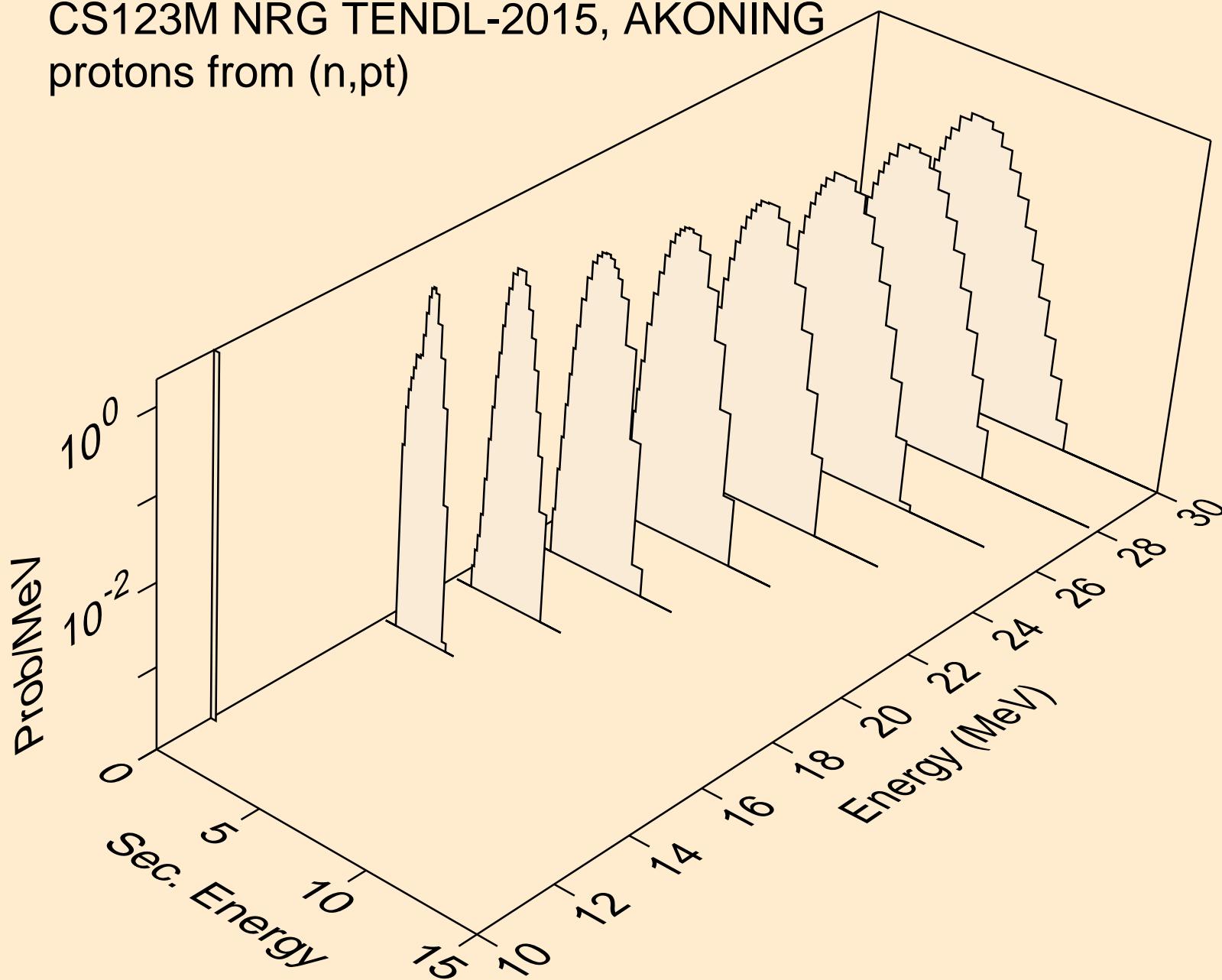
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protons from (n,pa)



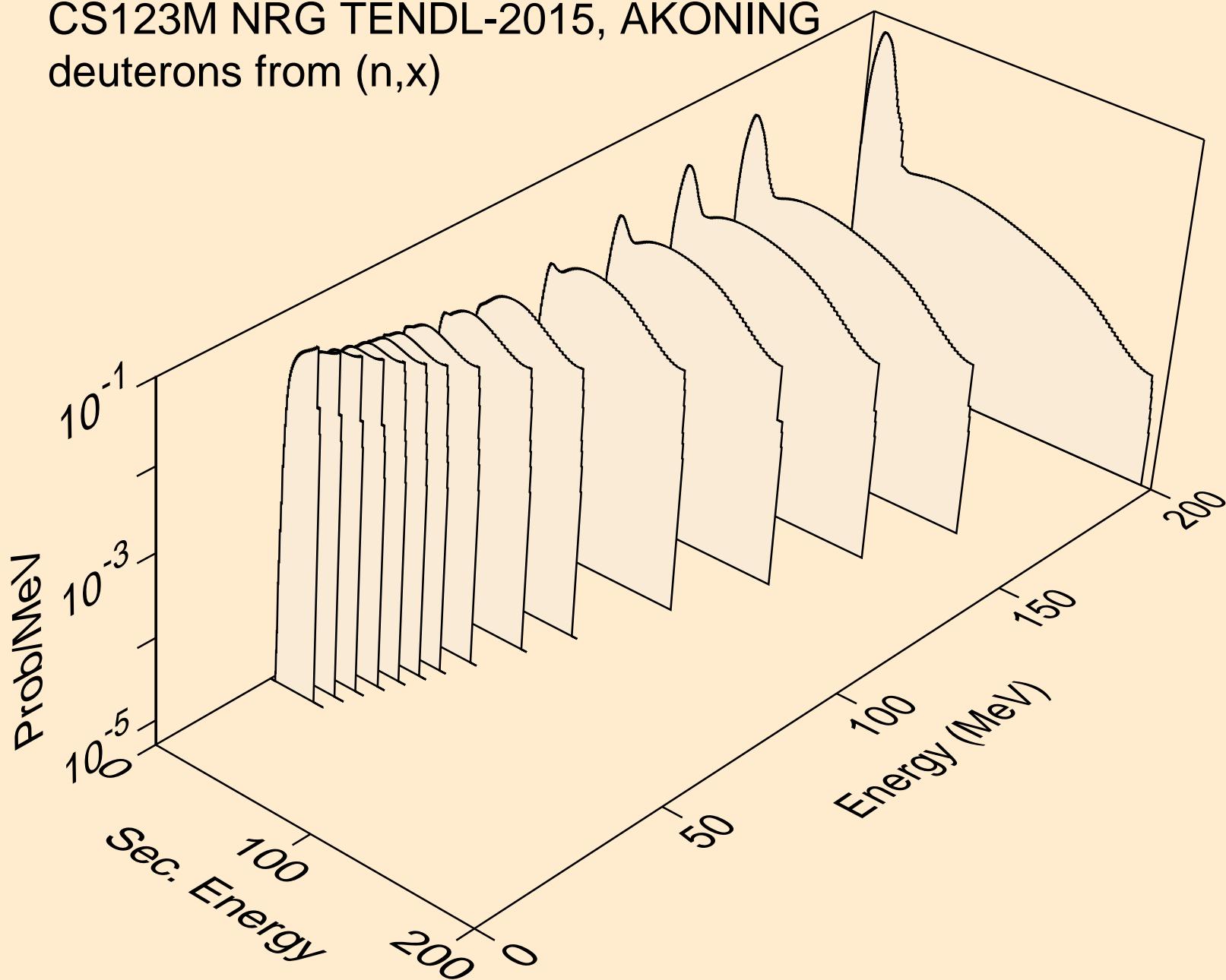
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protons from (n,pd)



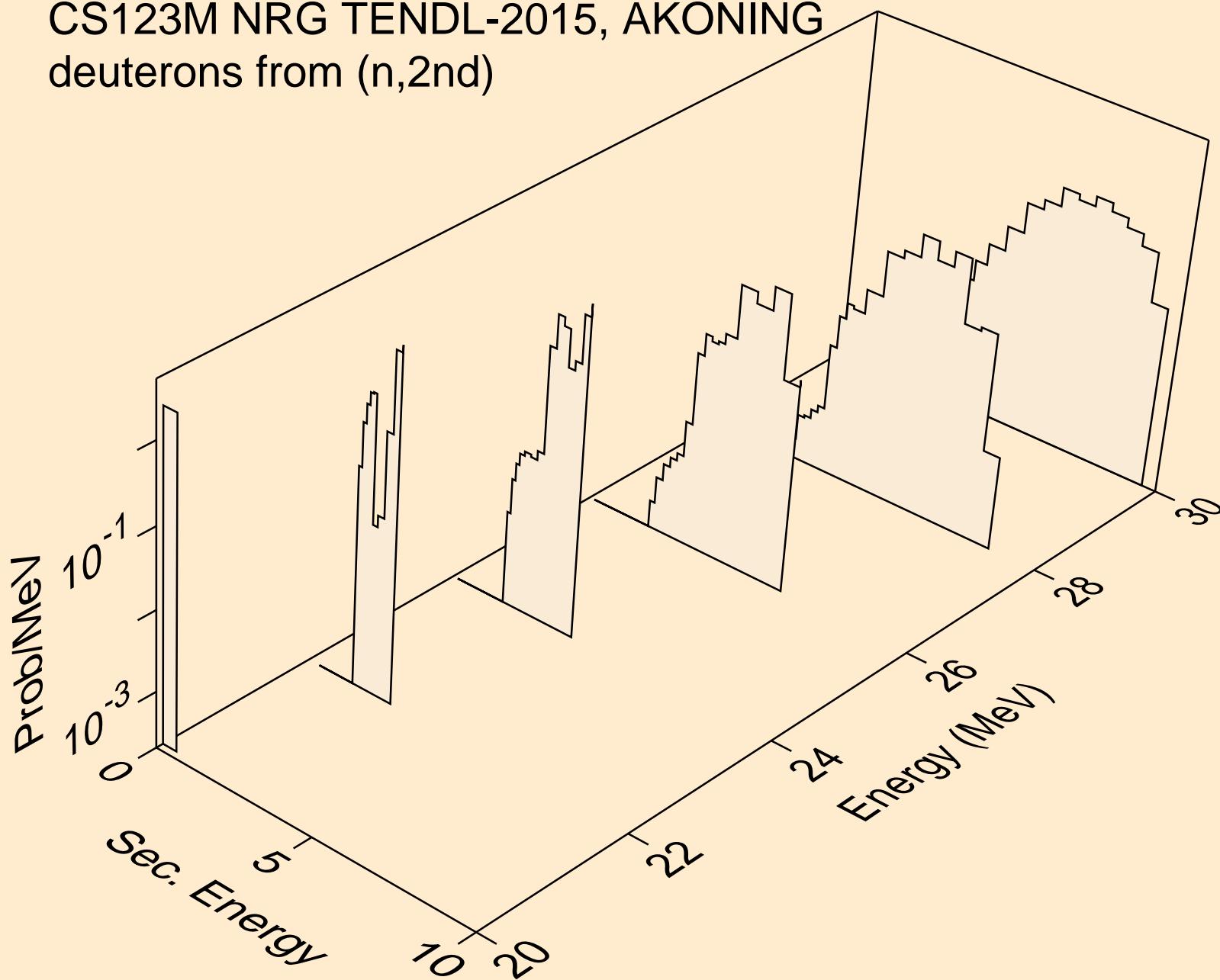
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protons from (n,pt)



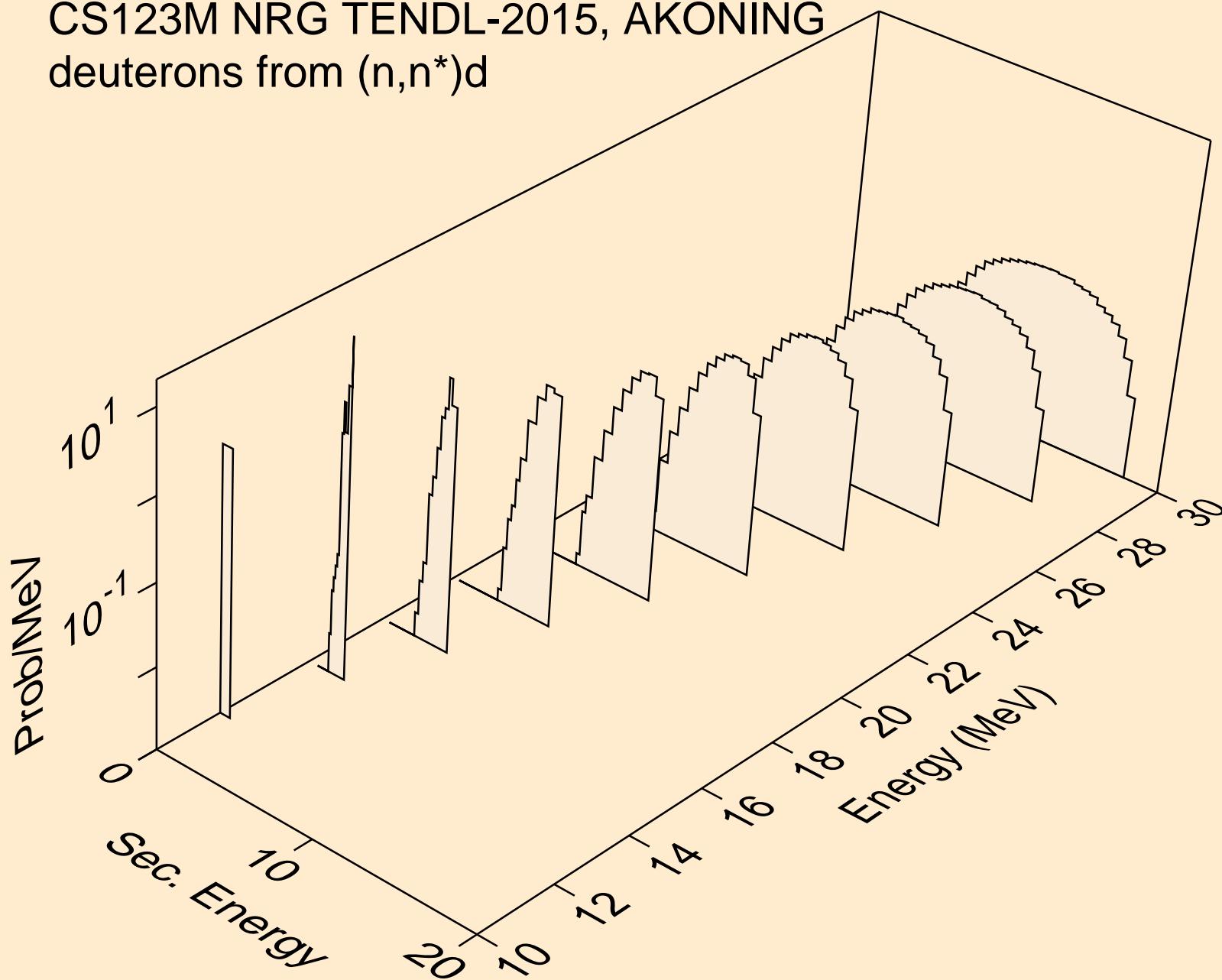
CS123M NRG TENDL-2015, AKONING  
deuterons from ( $n, x$ )



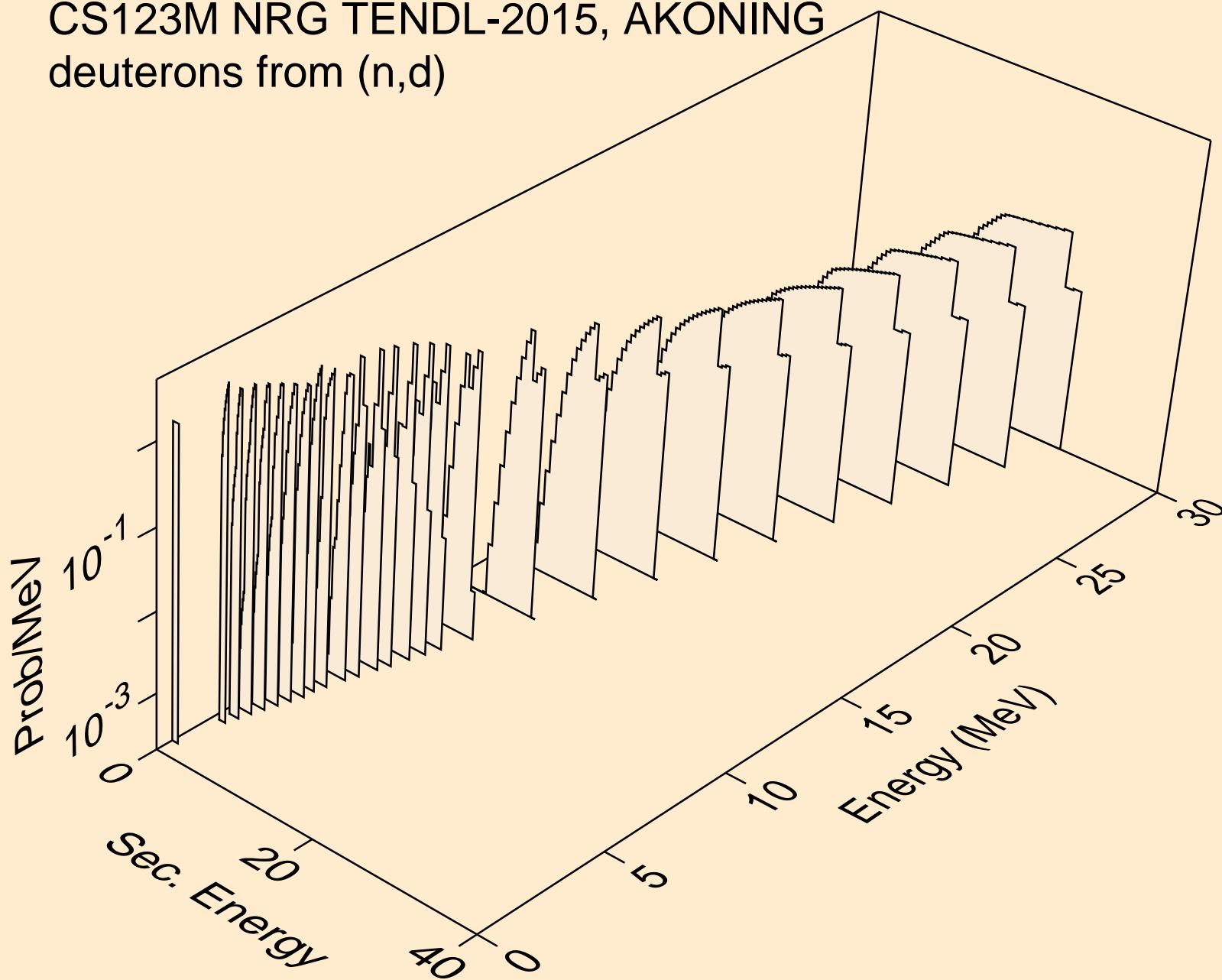
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deuterons from ( $n, 2nd$ )



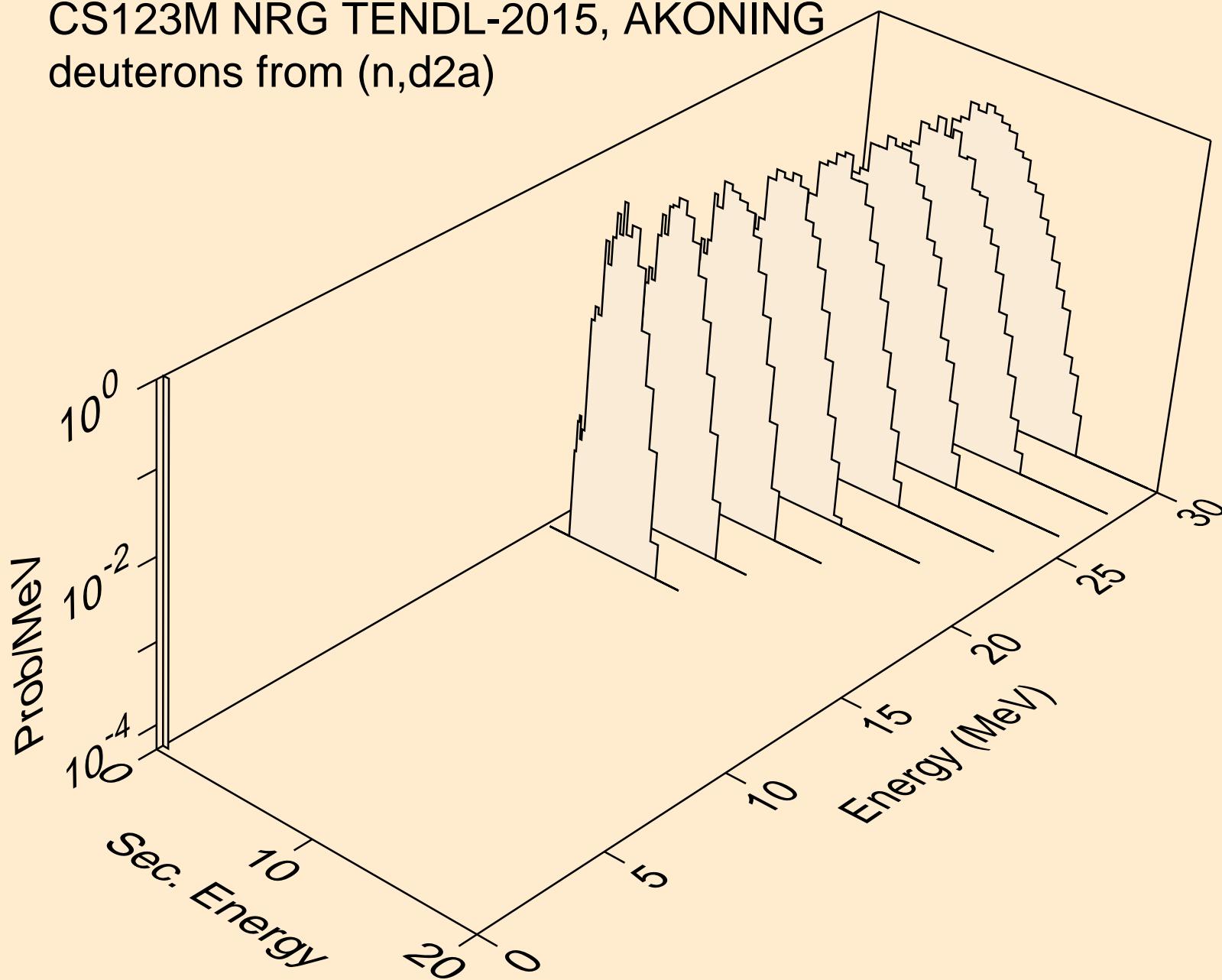
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deuterons from  $(n,n^*)d$



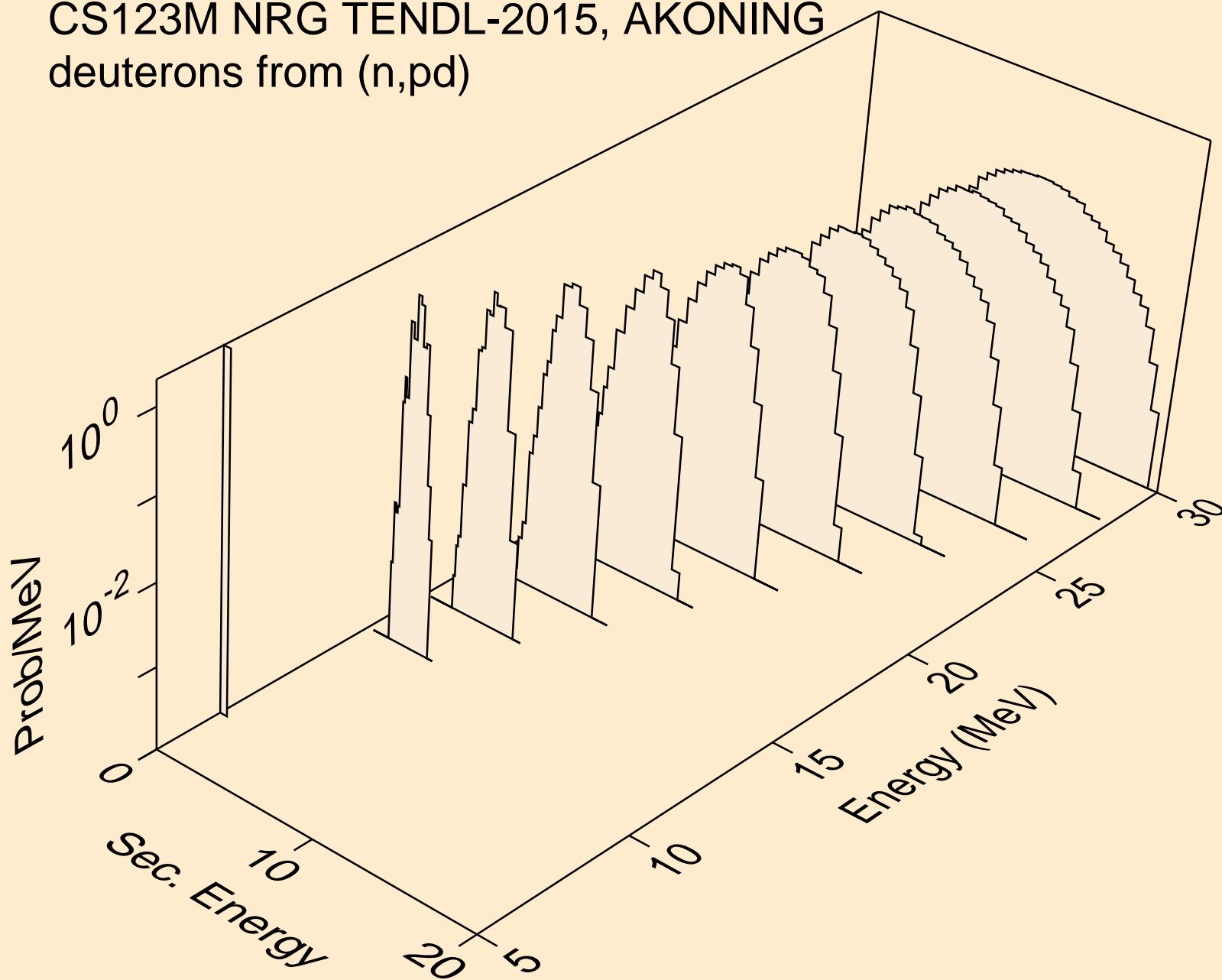
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deuterons from ( $n, d$ )



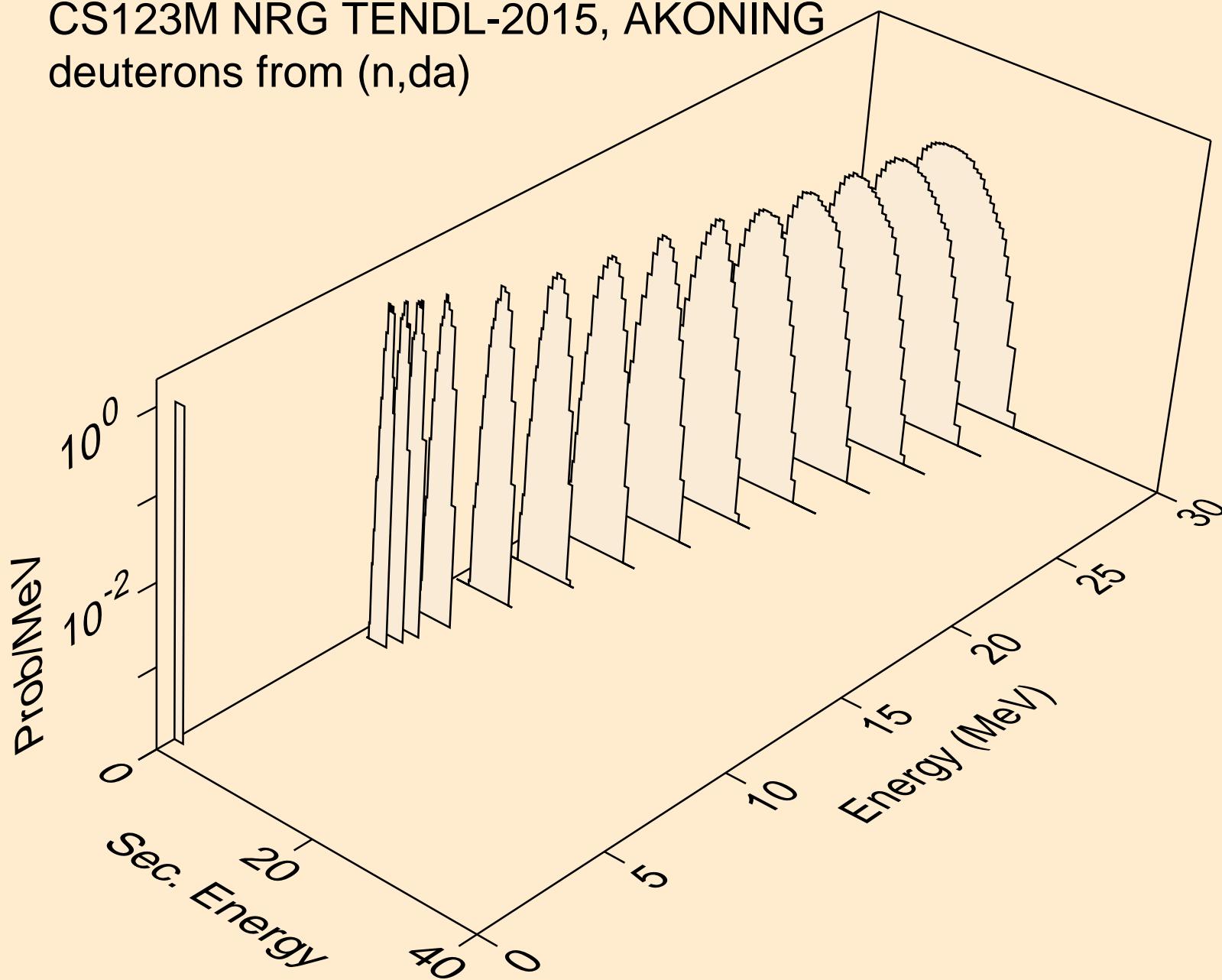
CS123M NRG TENDL-2015, AKONING  
deuterons from ( $n, d_2a$ )



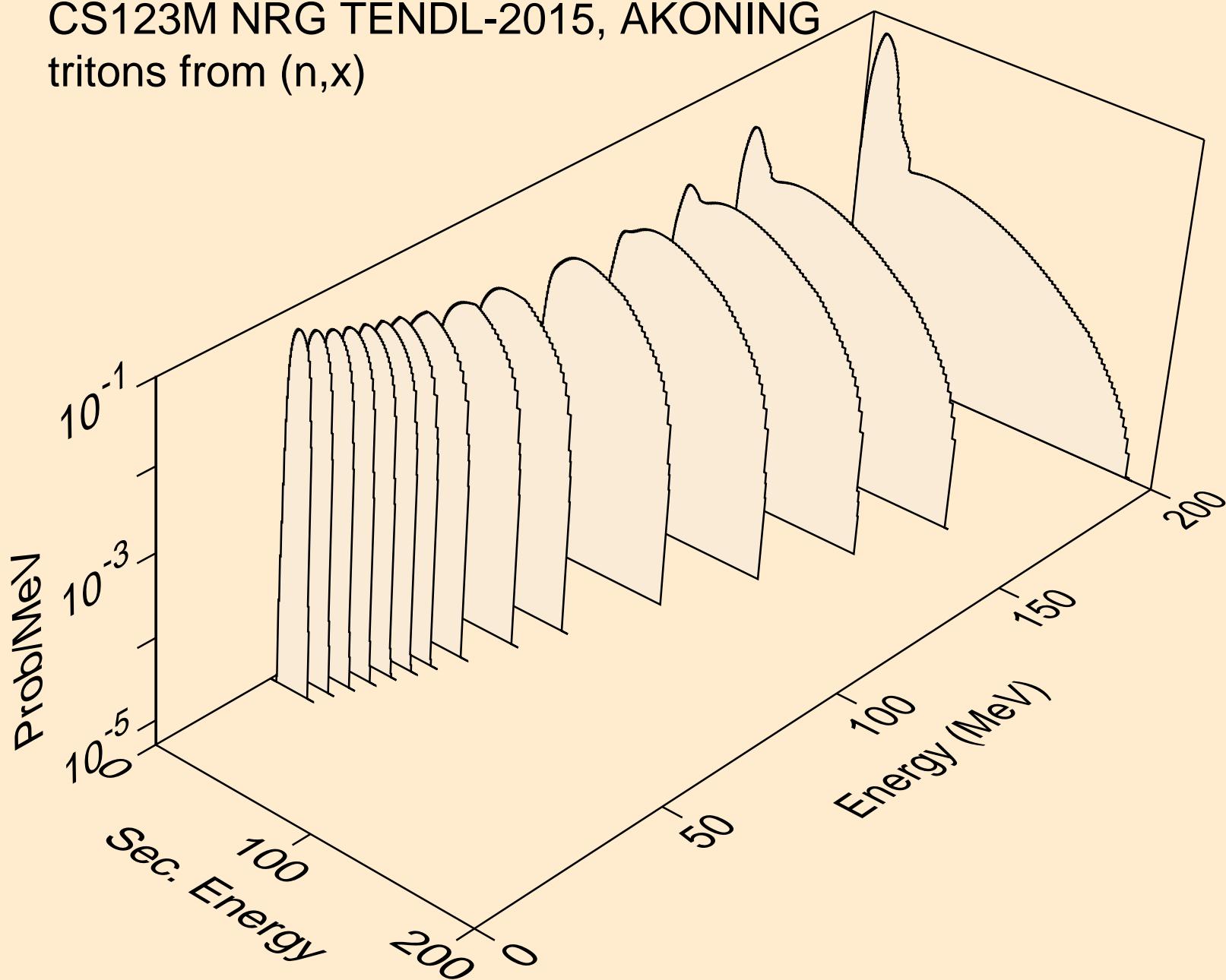
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deuterons from (n,pd)



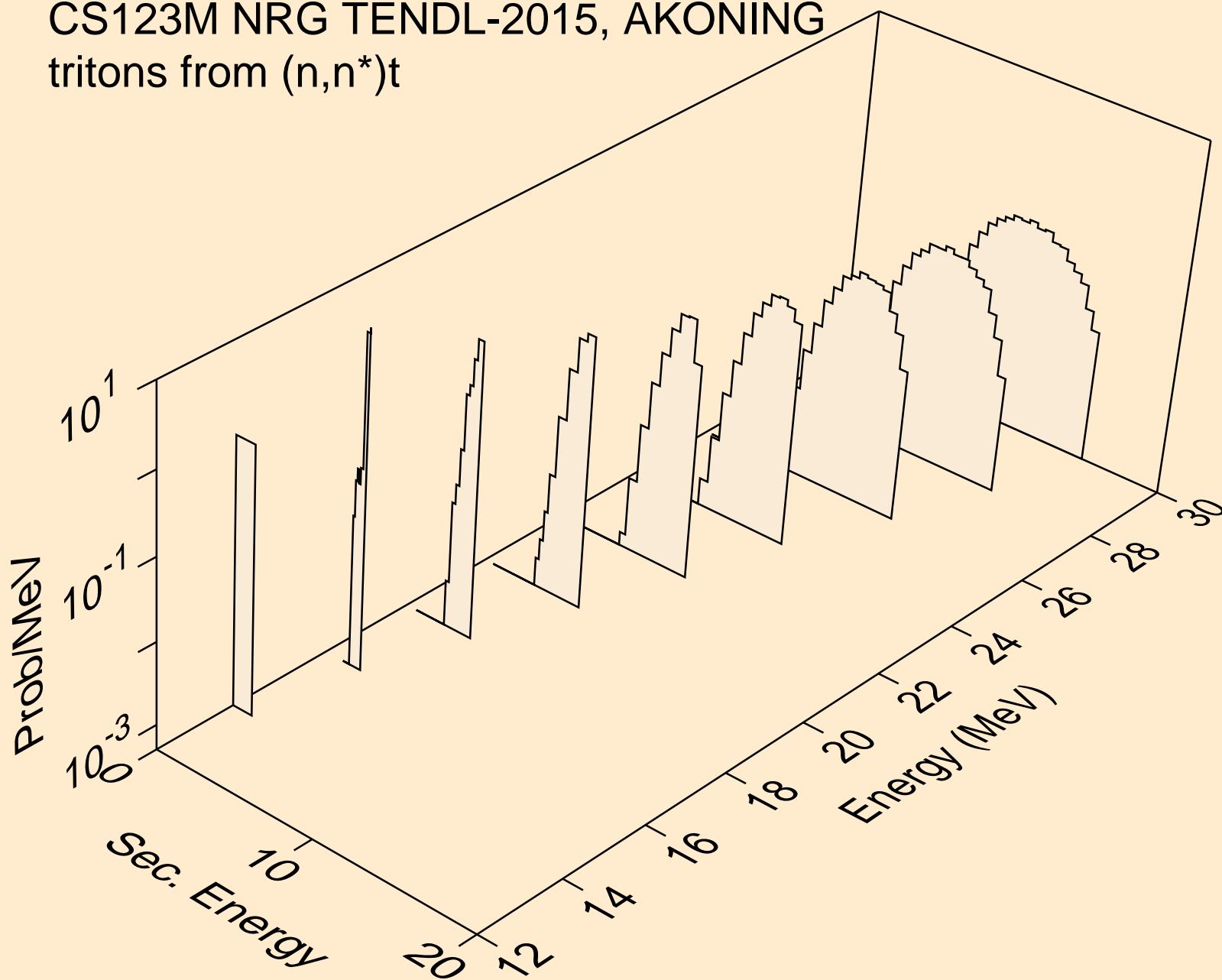
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deuterons from (n,da)



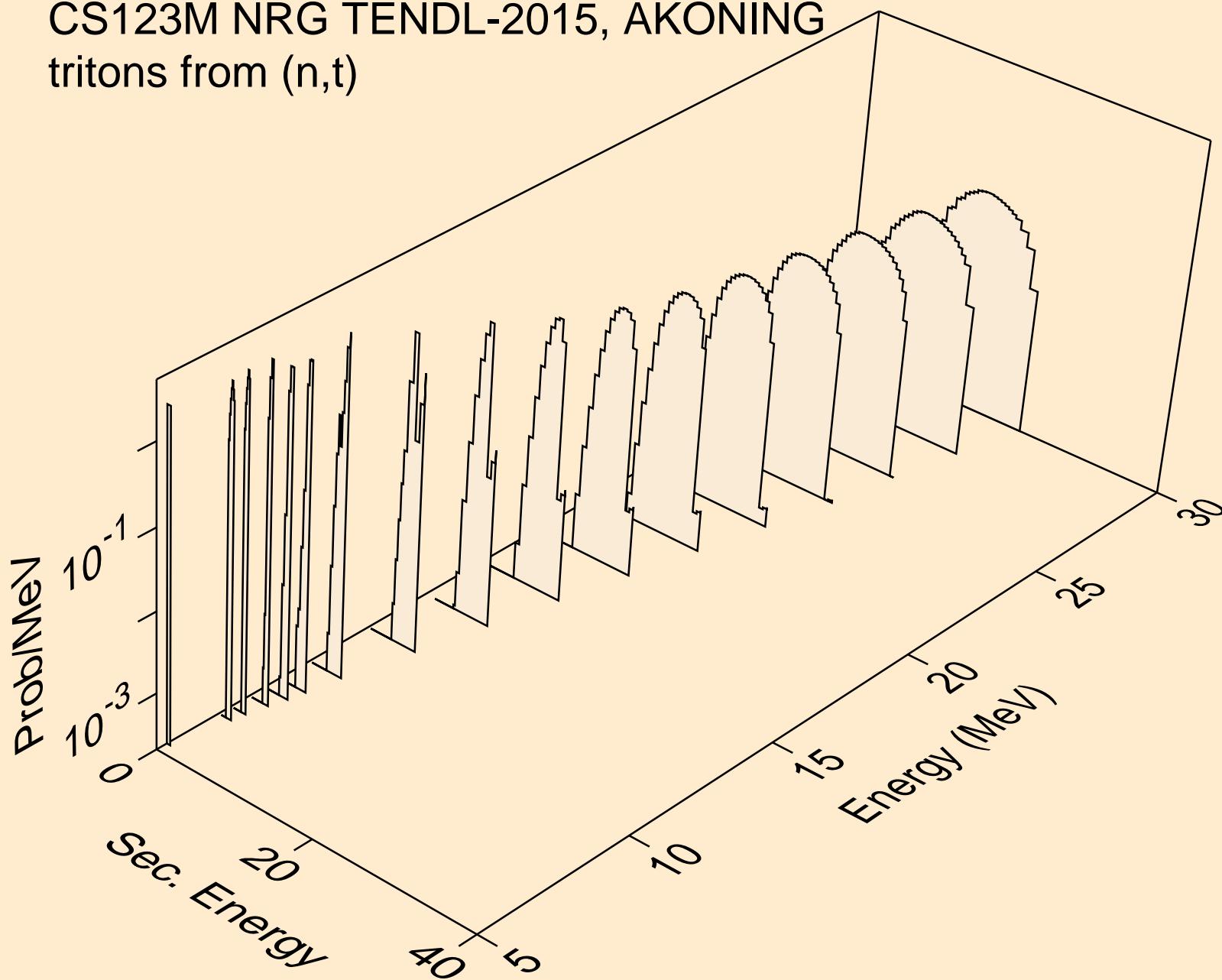
CS123M NRG TENDL-2015, AKONING  
tritons from ( $n,x$ )



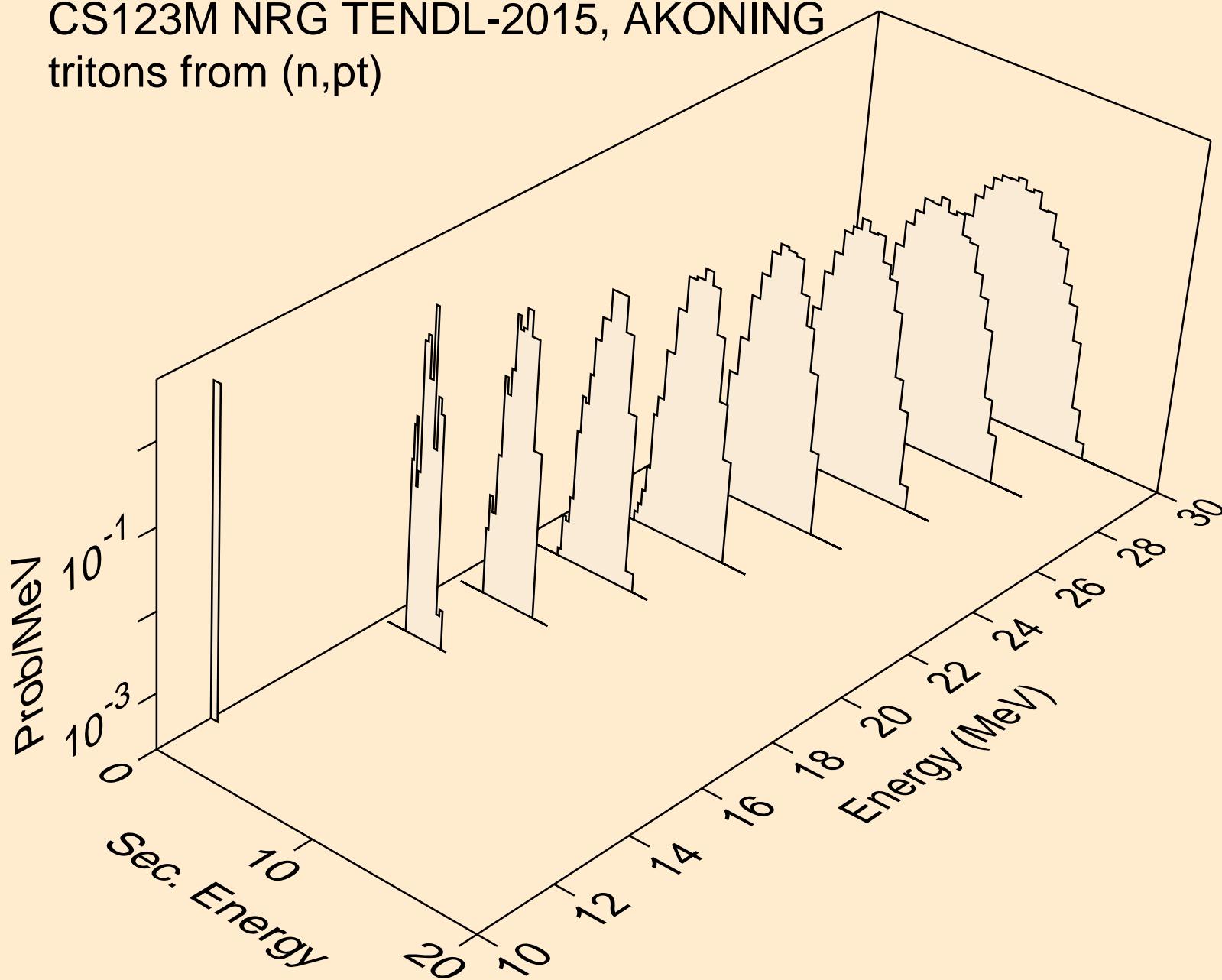
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tritons from  $(n,n^*)t$



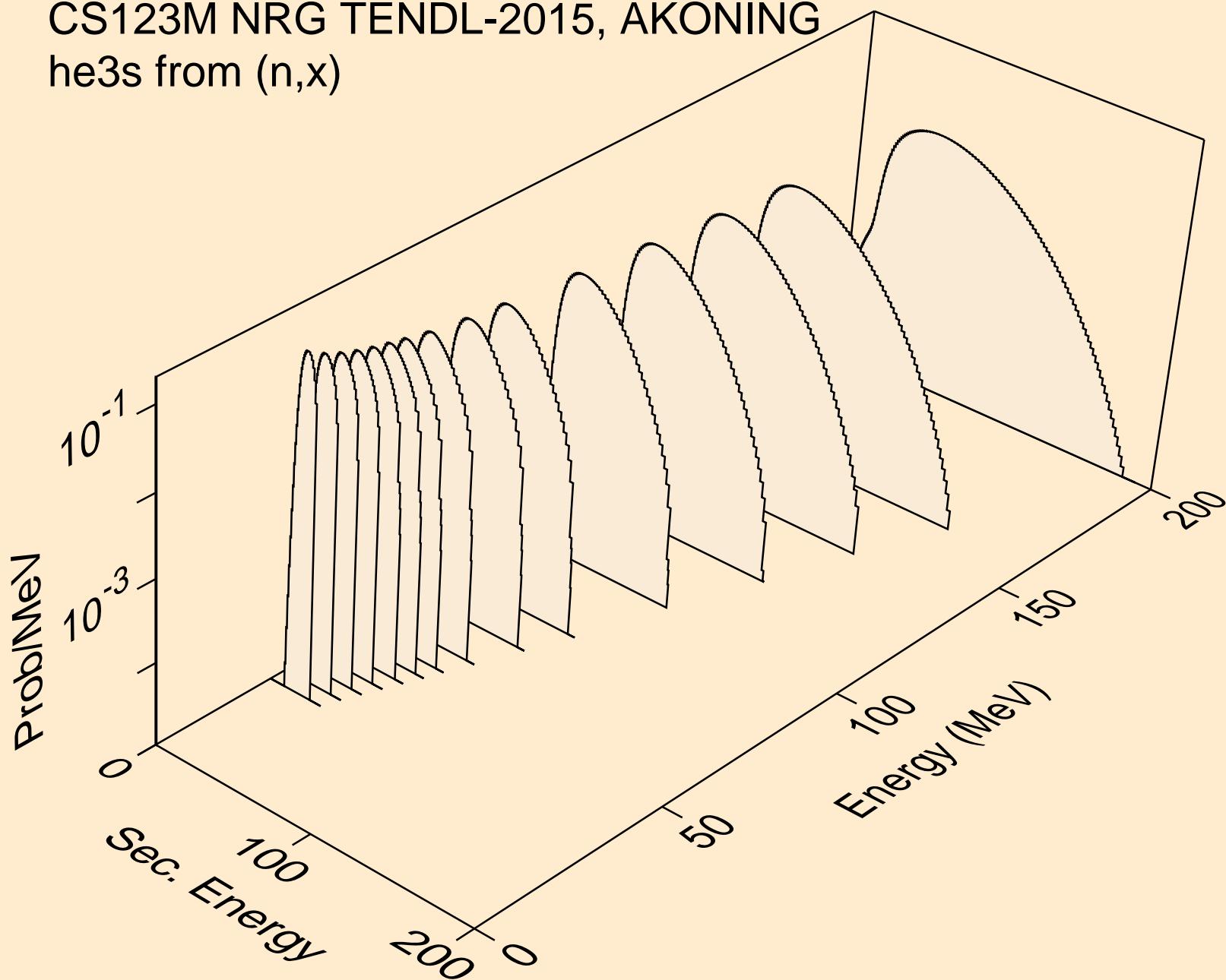
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tritons from (n,t)



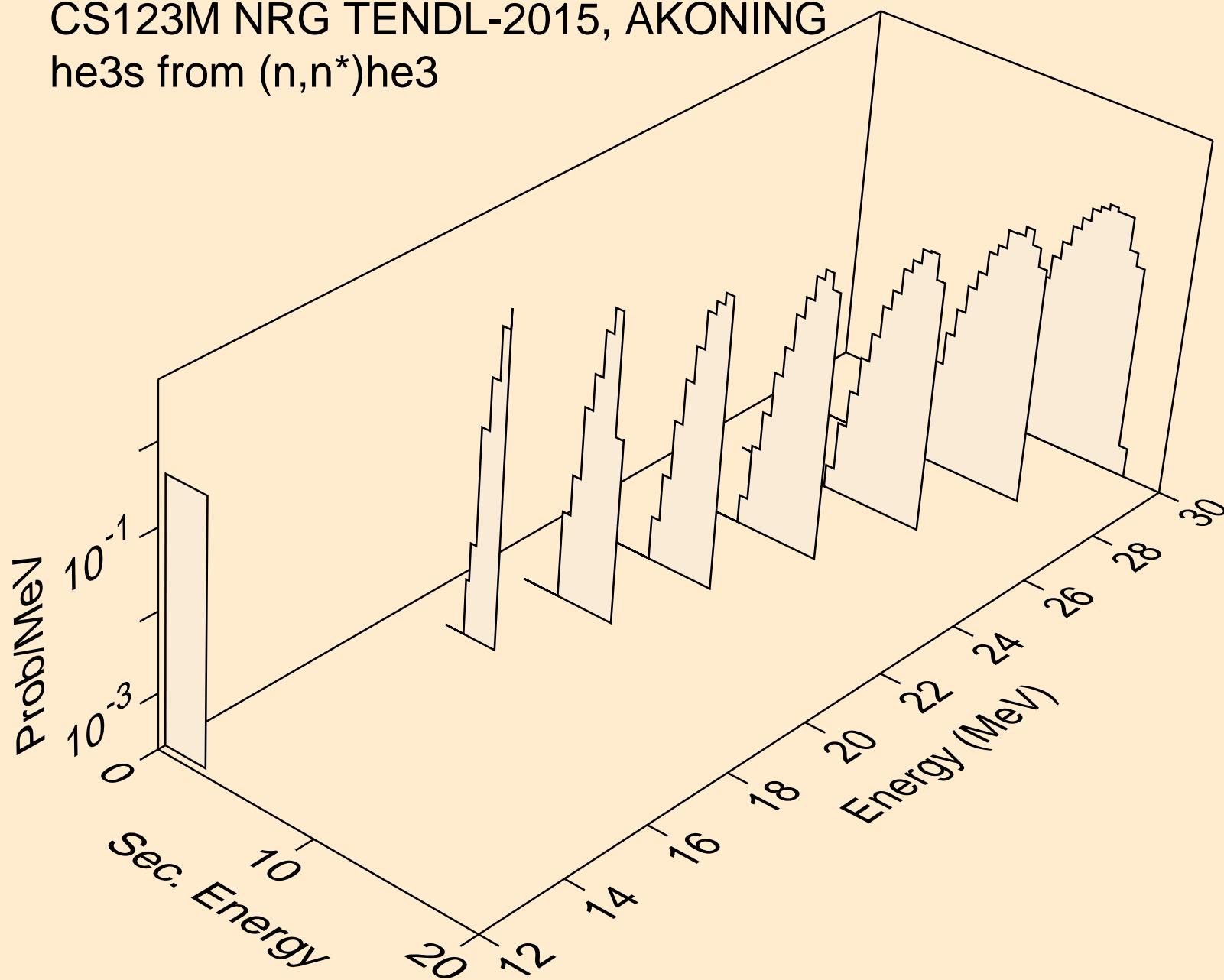
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tritons from (n,pt)



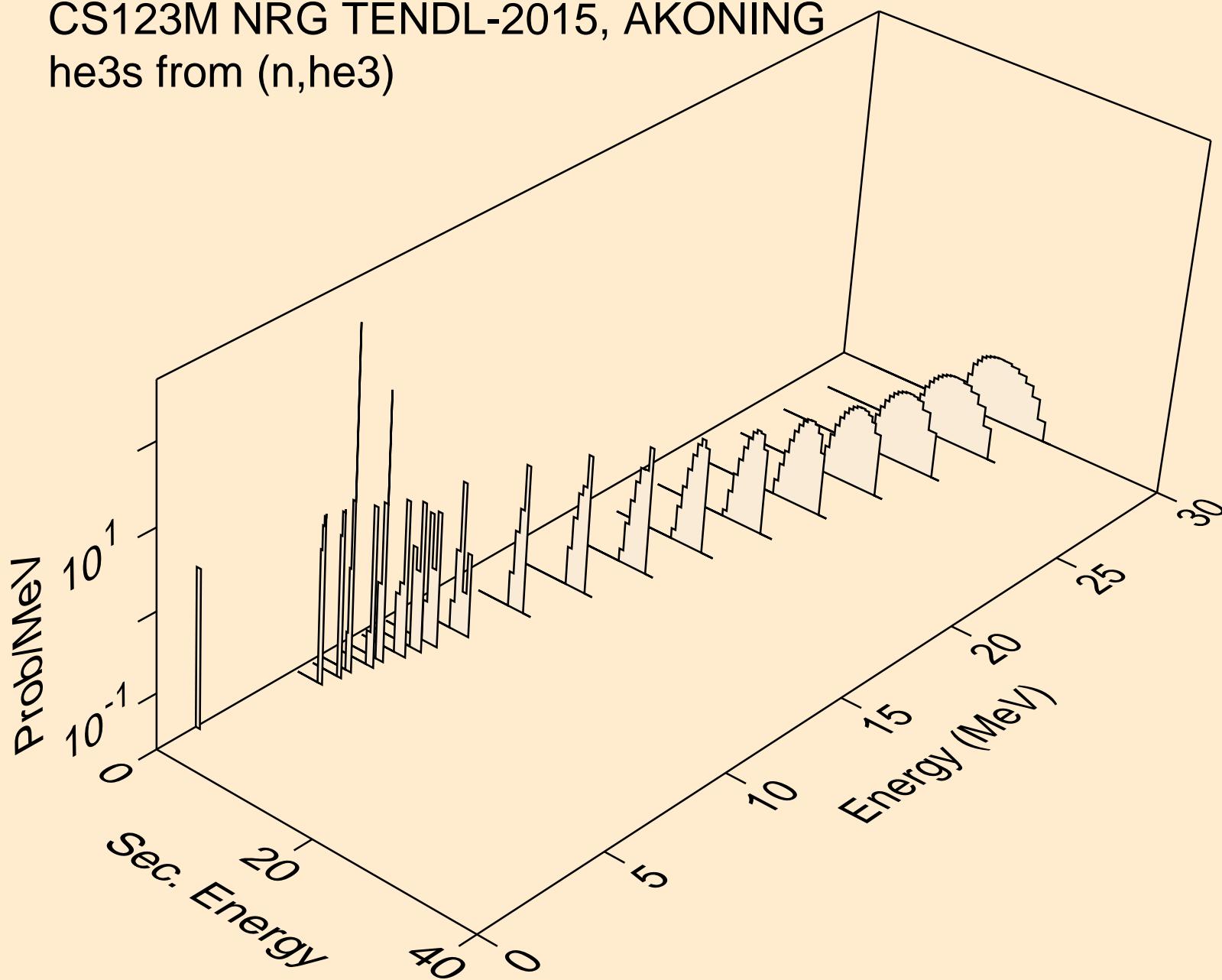
CS123M NRG TENDL-2015, AKONING  
he3s from (n,x)



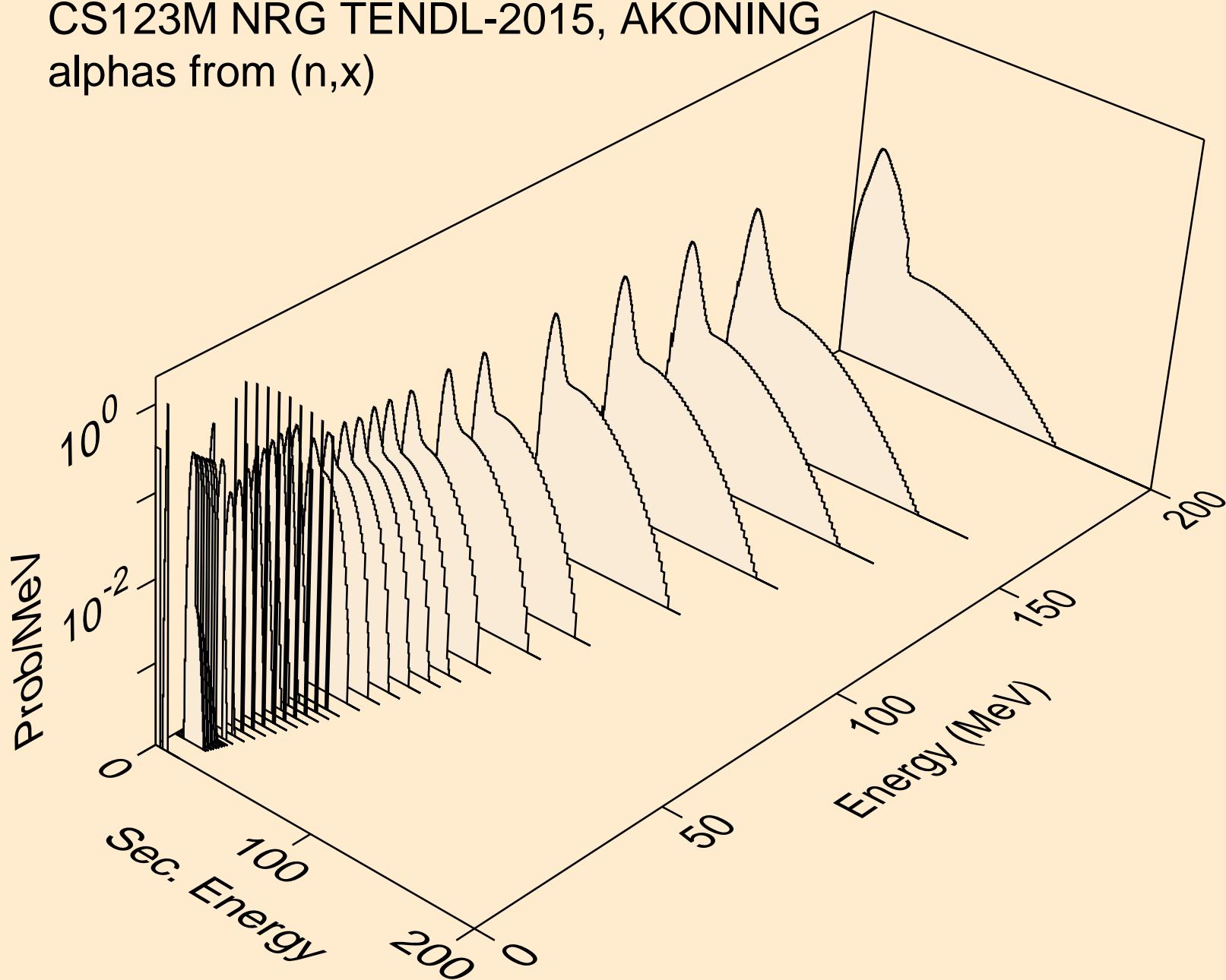
CS123M NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



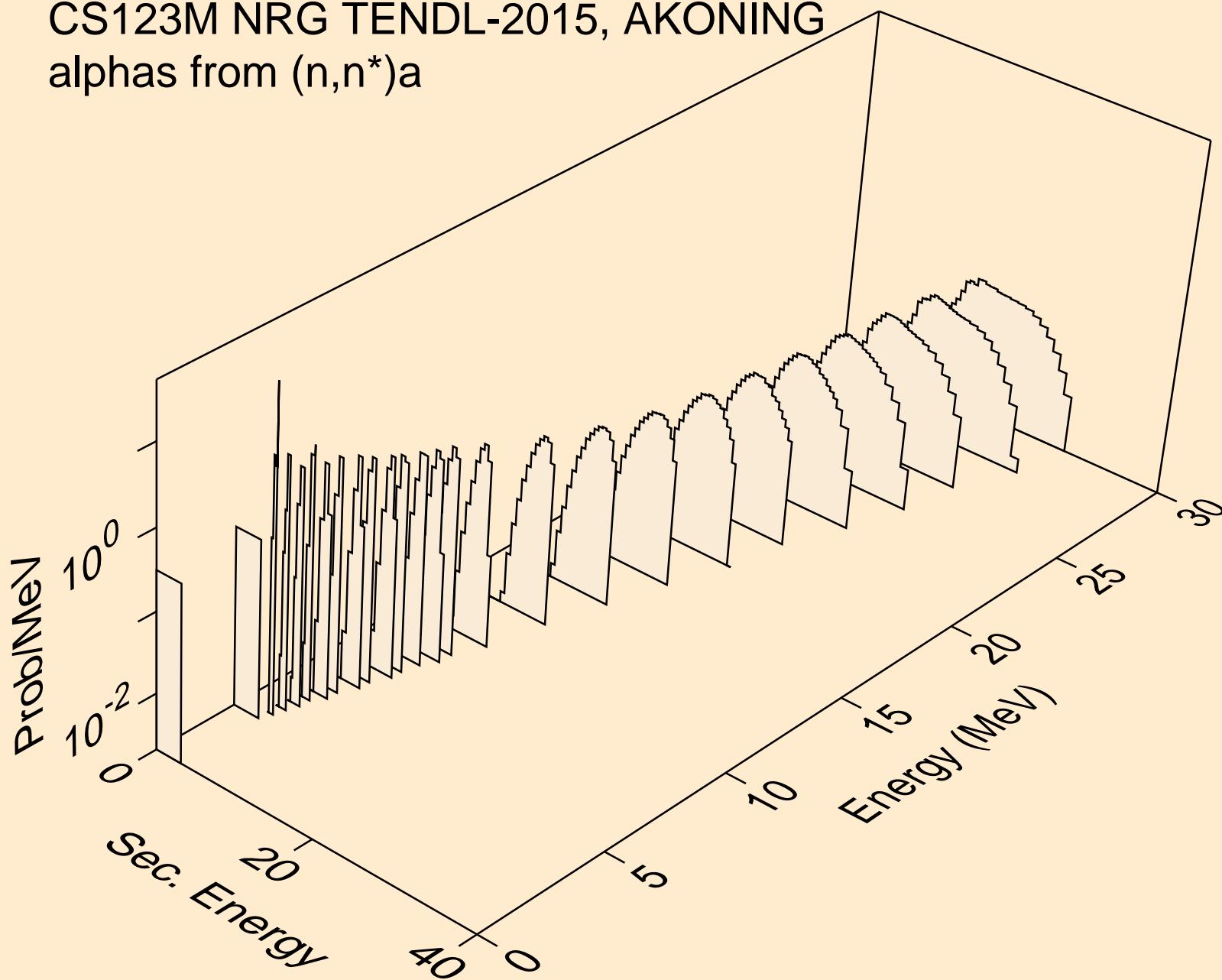
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he3s from (n,he3)



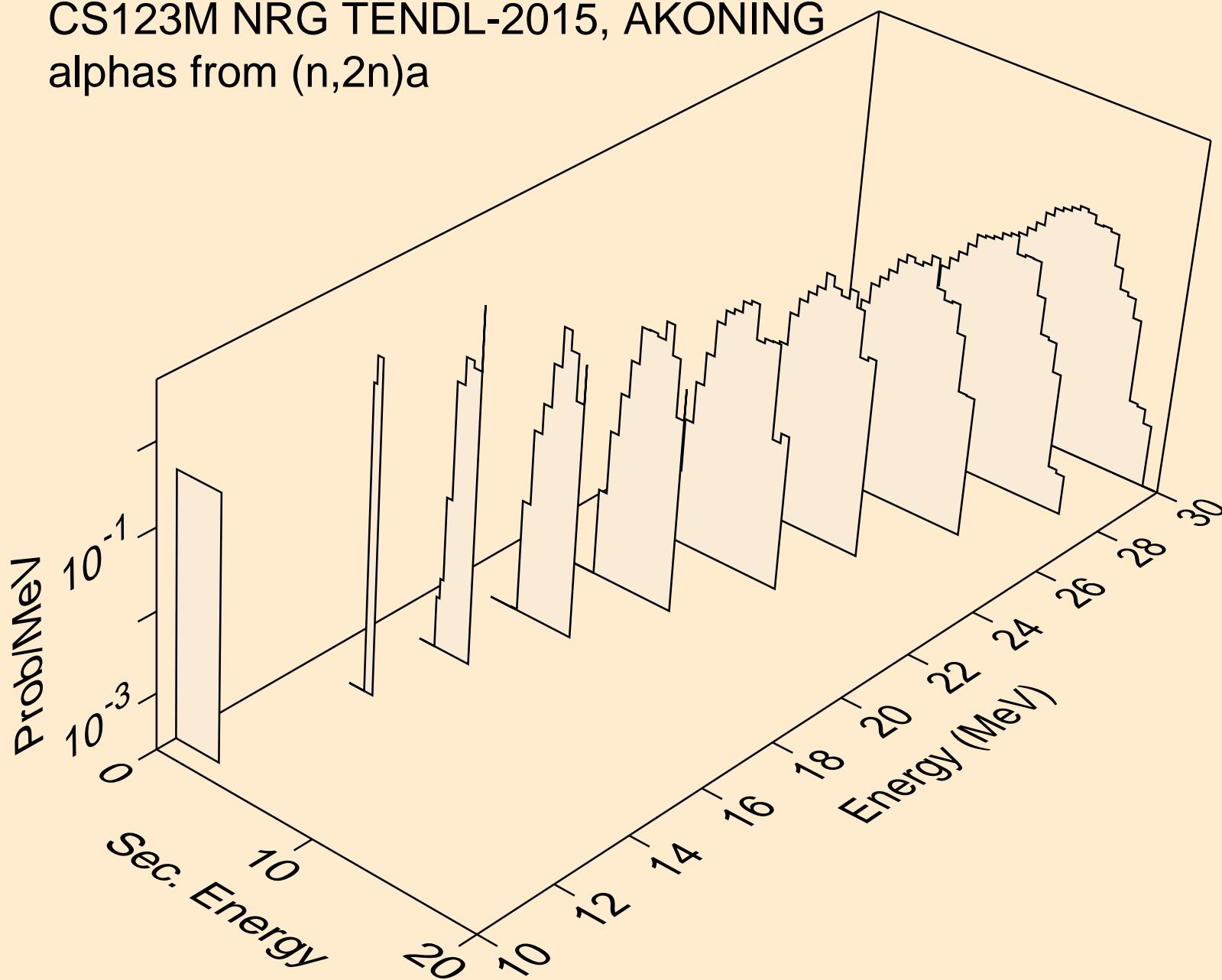
CS123M NRG TENDL-2015, AKONING  
alphas from (n,x)



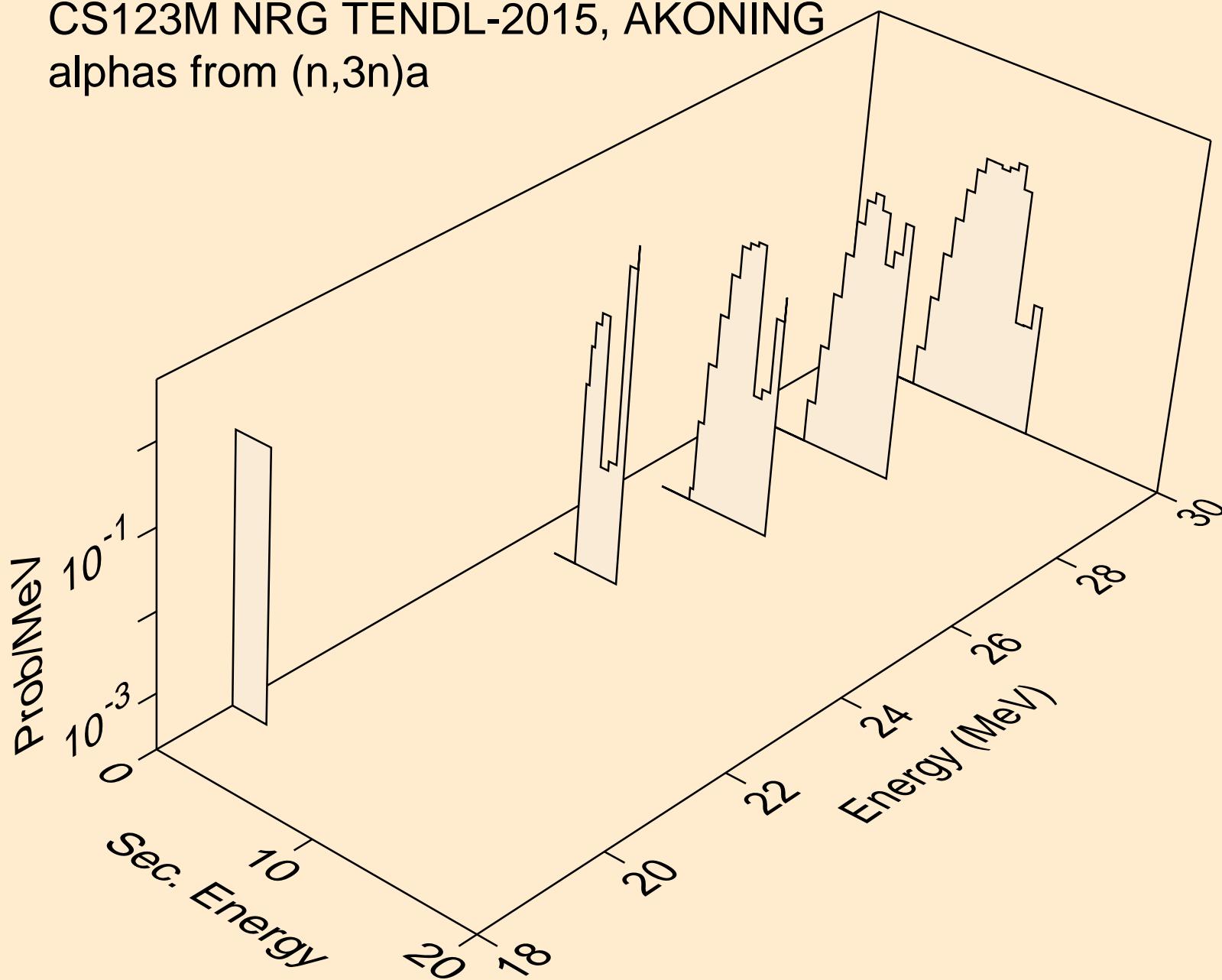
CS123M NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)a$



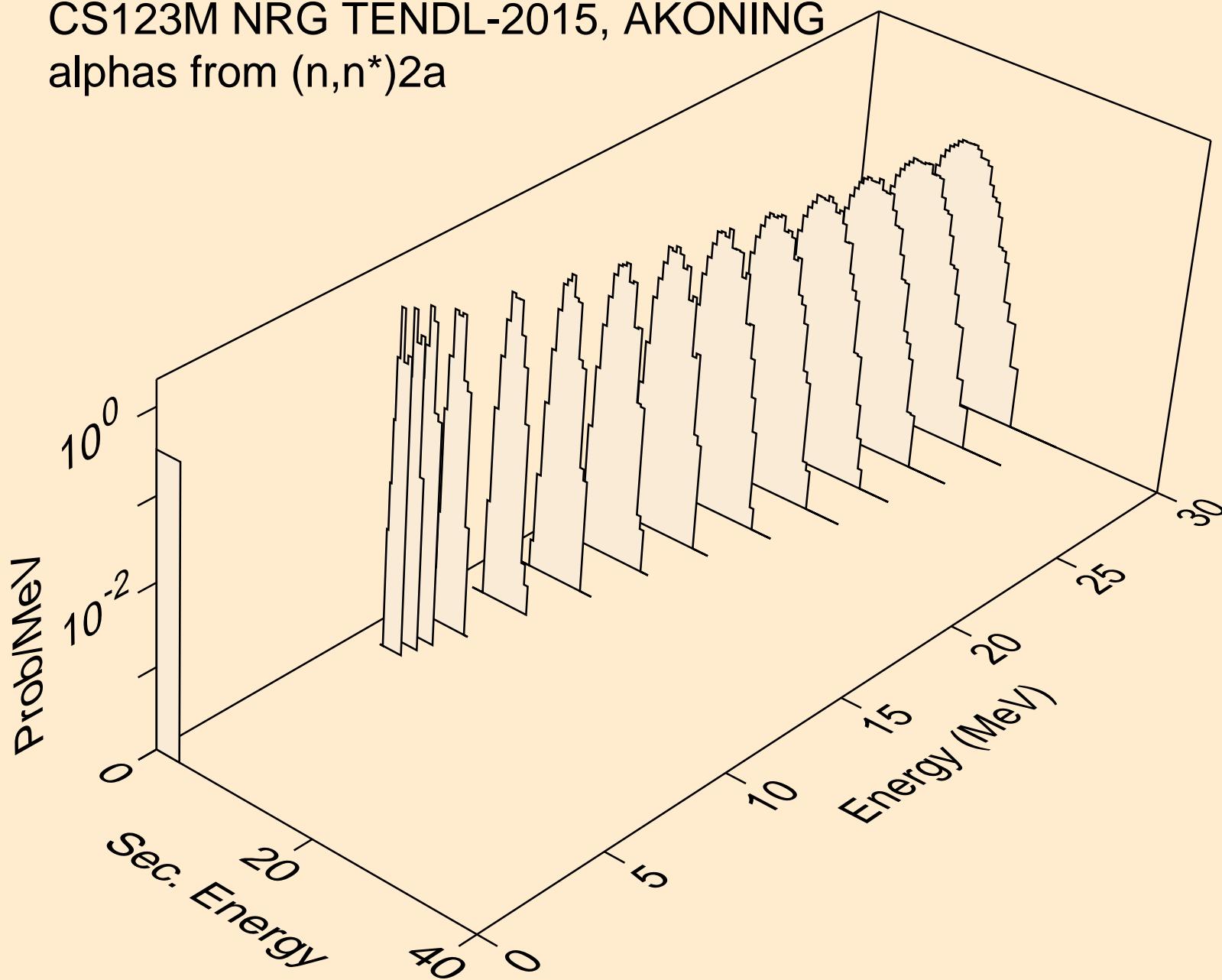
CS123M NRG TENDL-2015, AKONING  
alphas from ( $n,2n$ )a



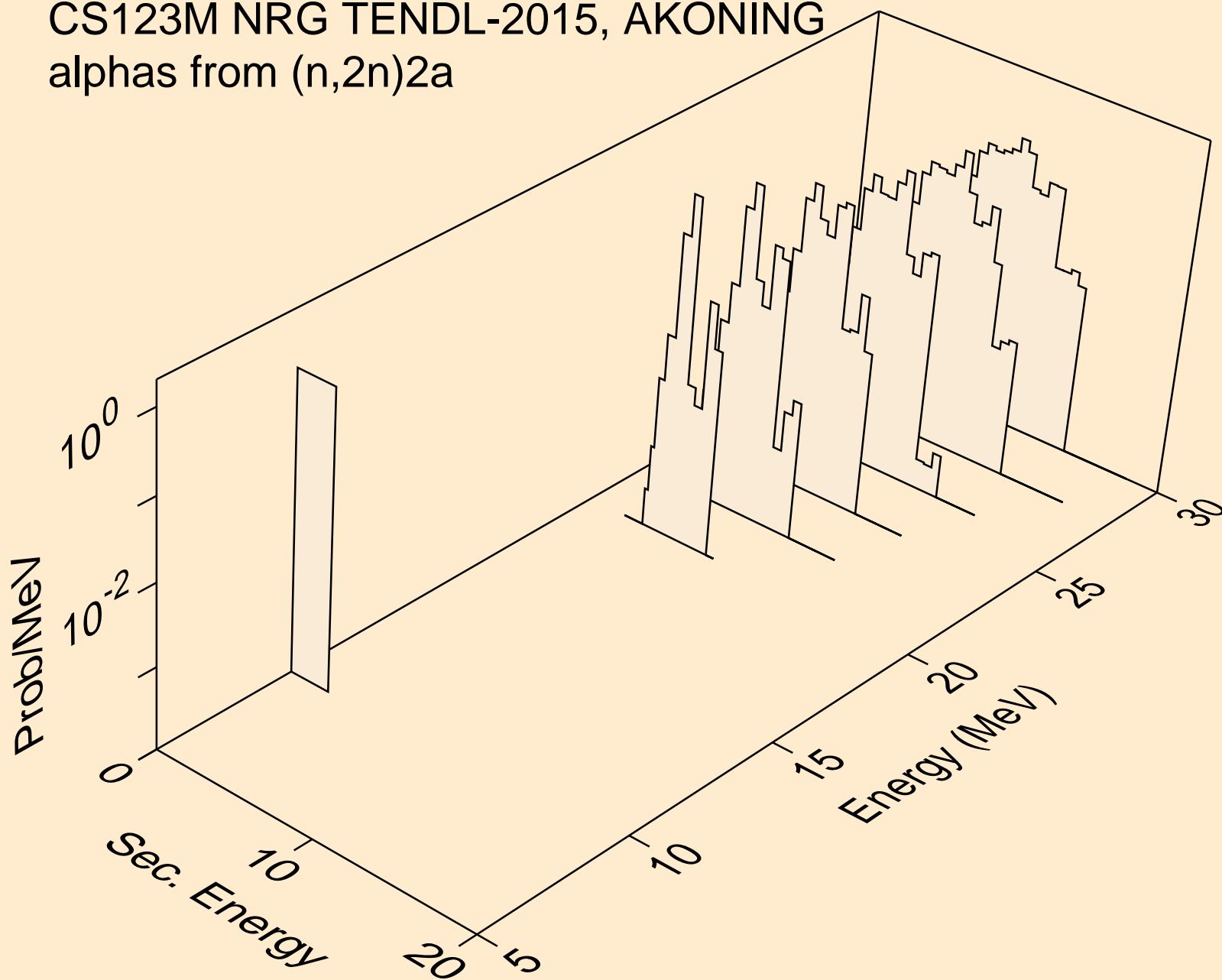
CS123M NRG TENDL-2015, AKONING  
alphas from ( $n,3n$ )a



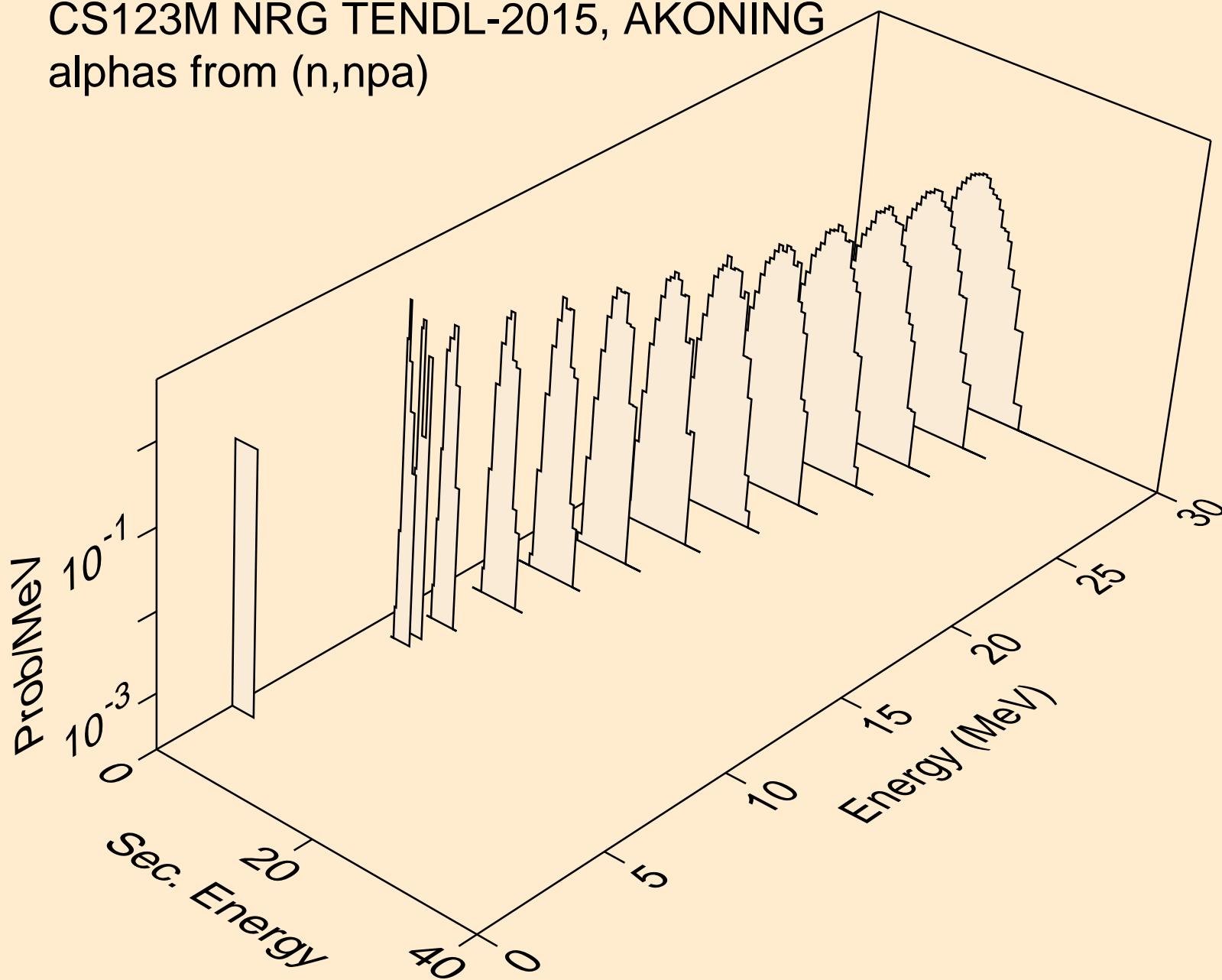
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alphas from  $(n,n^*)2a$



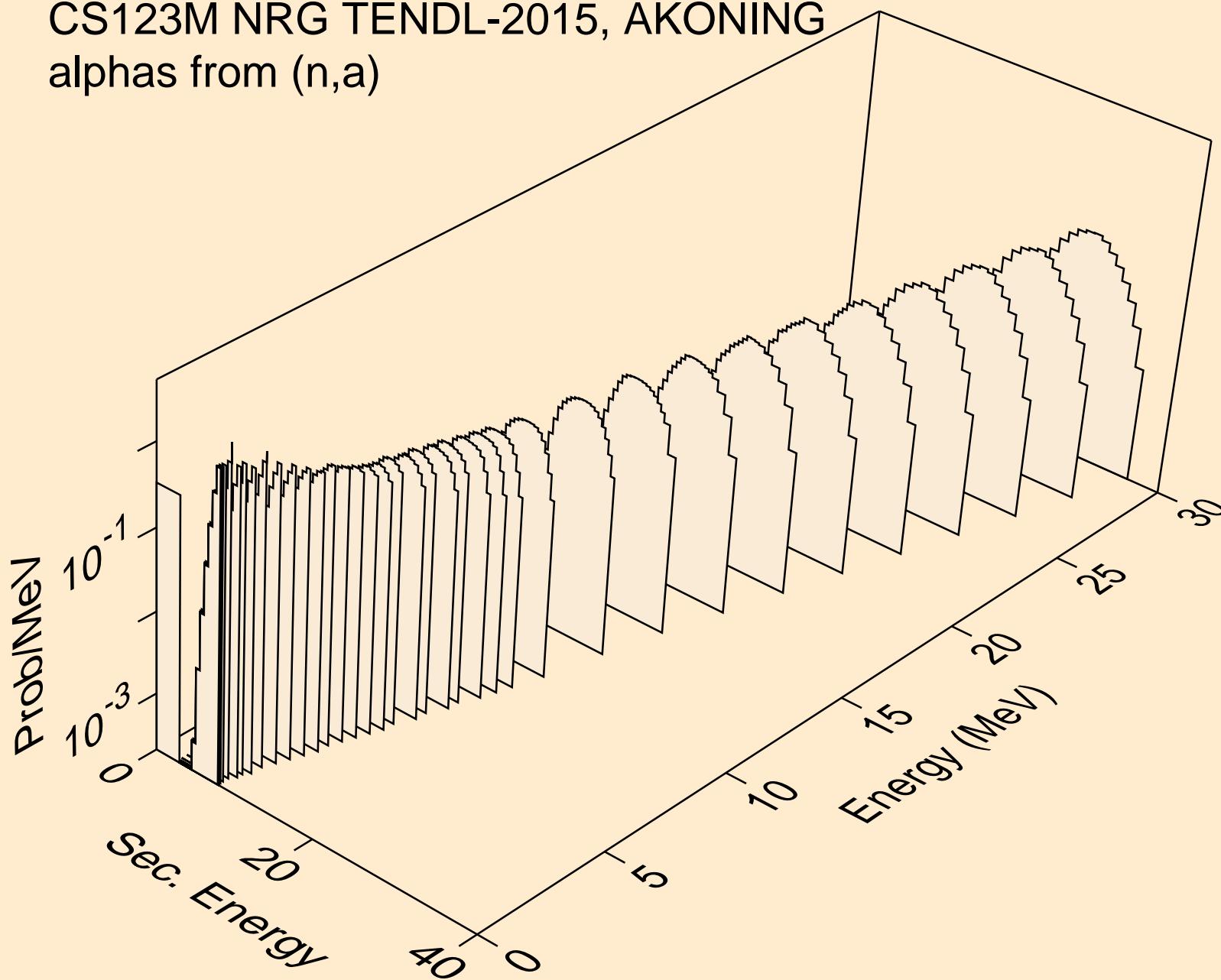
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alphas from  $(n,2n)2a$



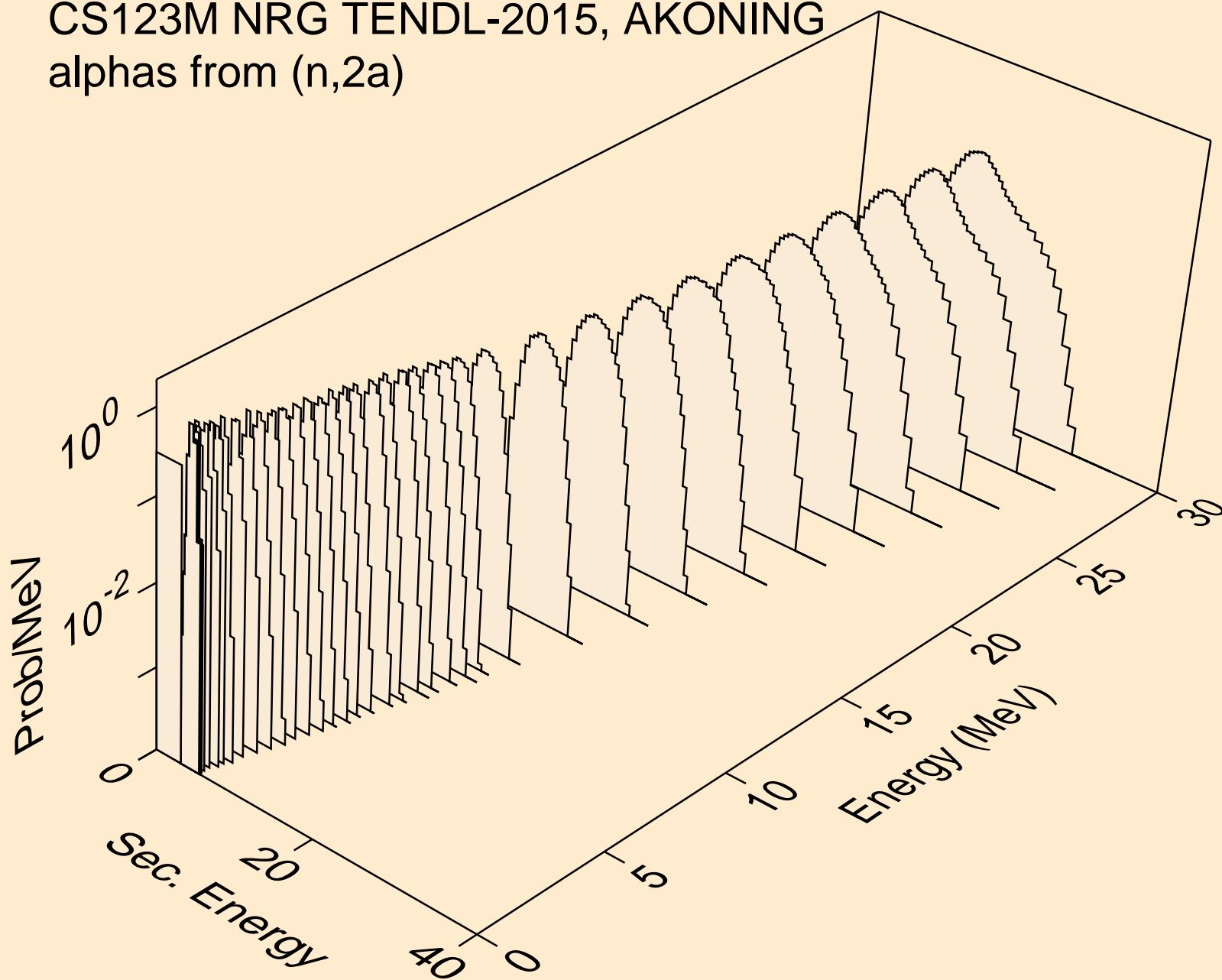
CS123M NRG TENDL-2015, AKONING  
alphas from (n,npa)



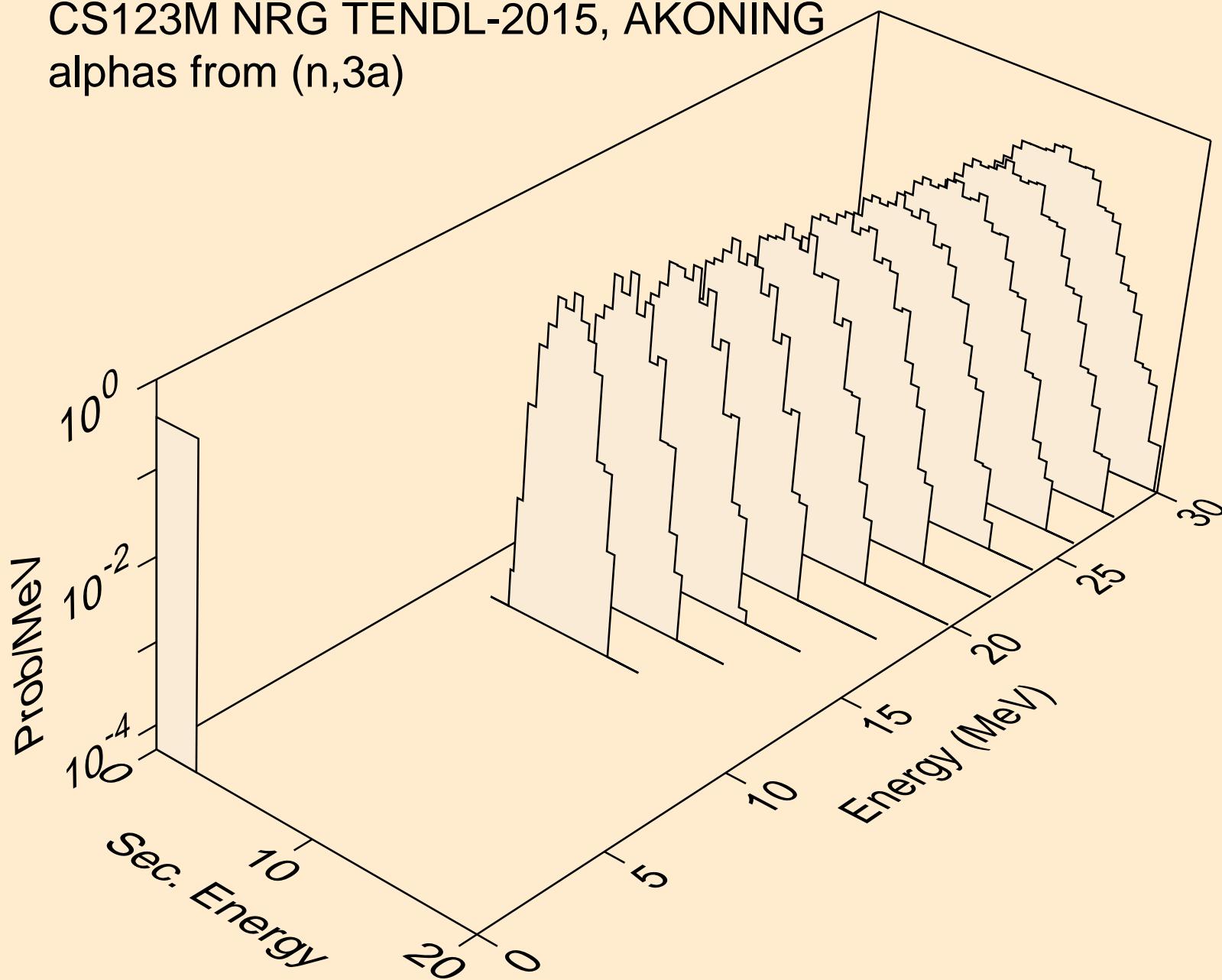
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alphas from (n,a)



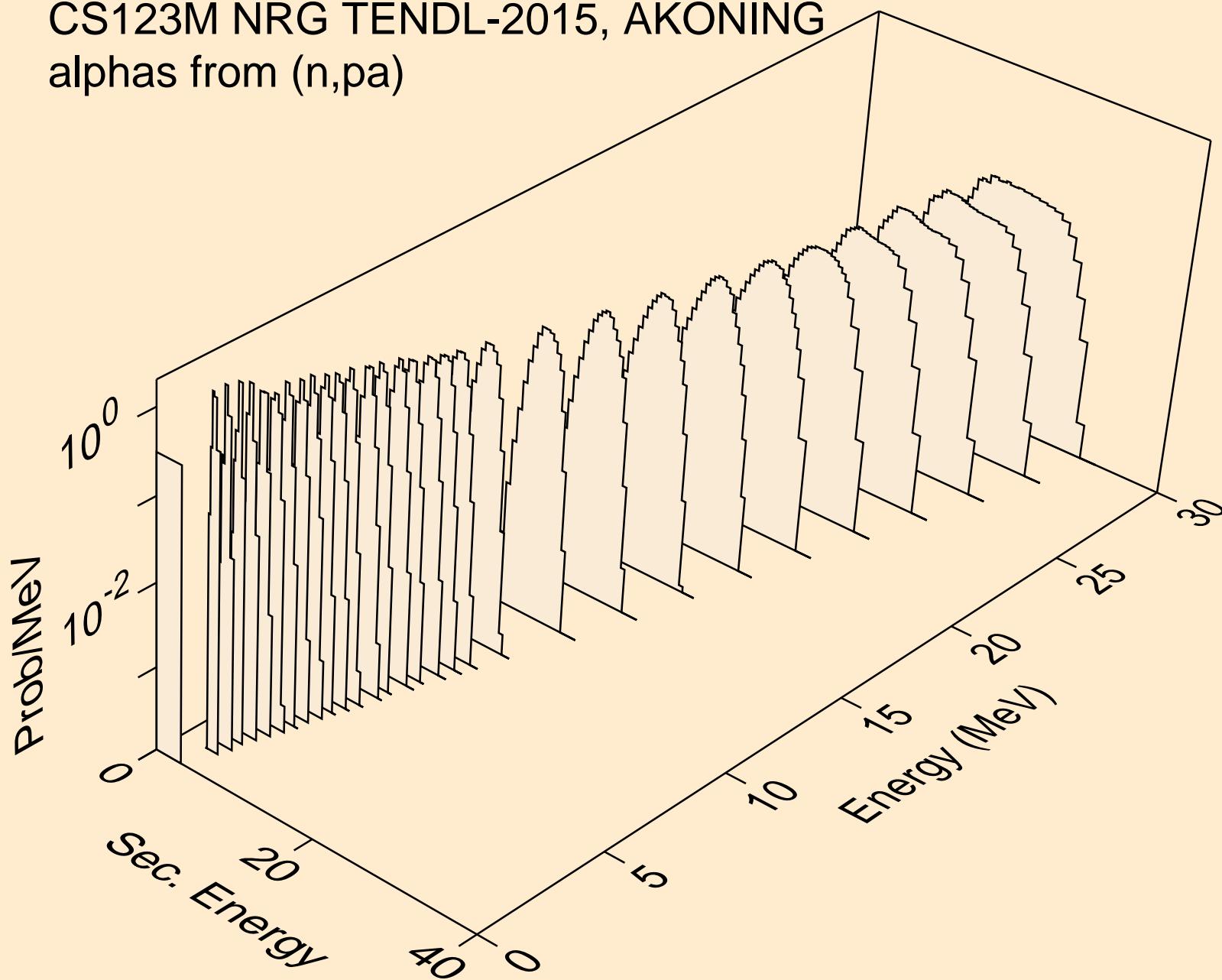
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alphas from (n,2a)



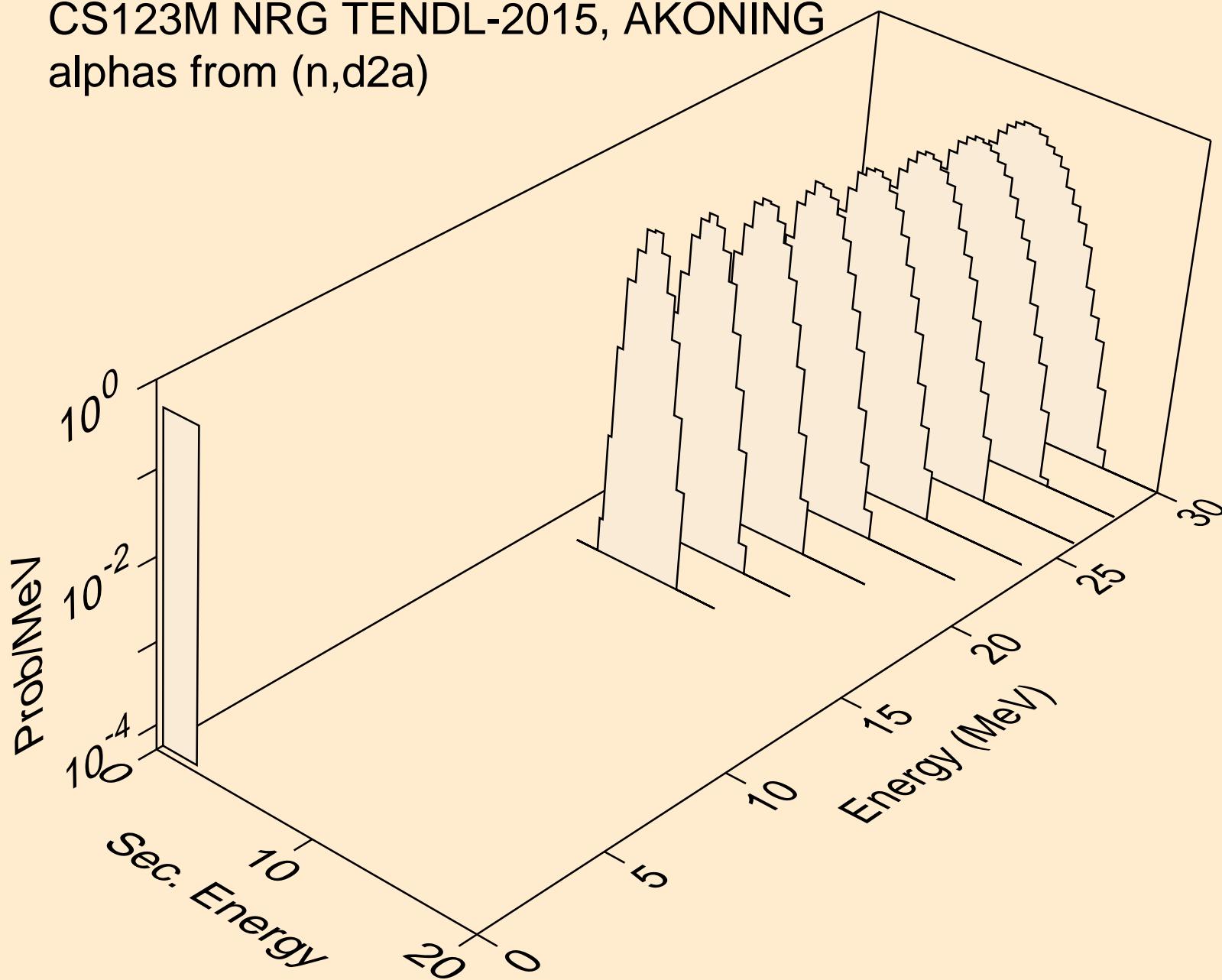
CS123M NRG TENDL-2015, AKONING  
alphas from (n,3a)



CS123M NRG TENDL-2015, AKONING  
alphas from (n,pa)



CS123M NRG TENDL-2015, AKONING  
alphas from (n,d2a)



CS123M NRG TENDL-2015, AKONING  
alphas from (n,da)

