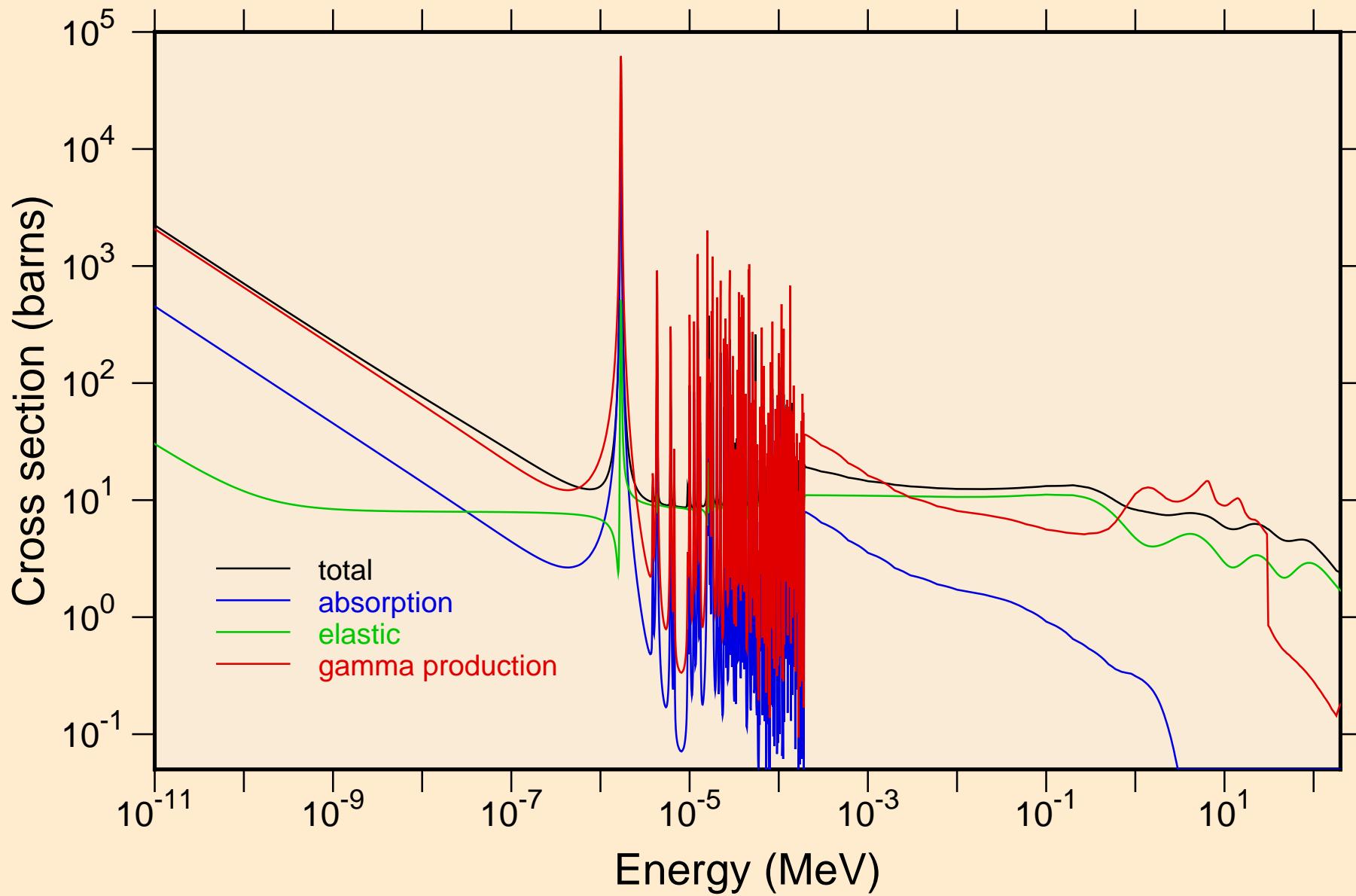
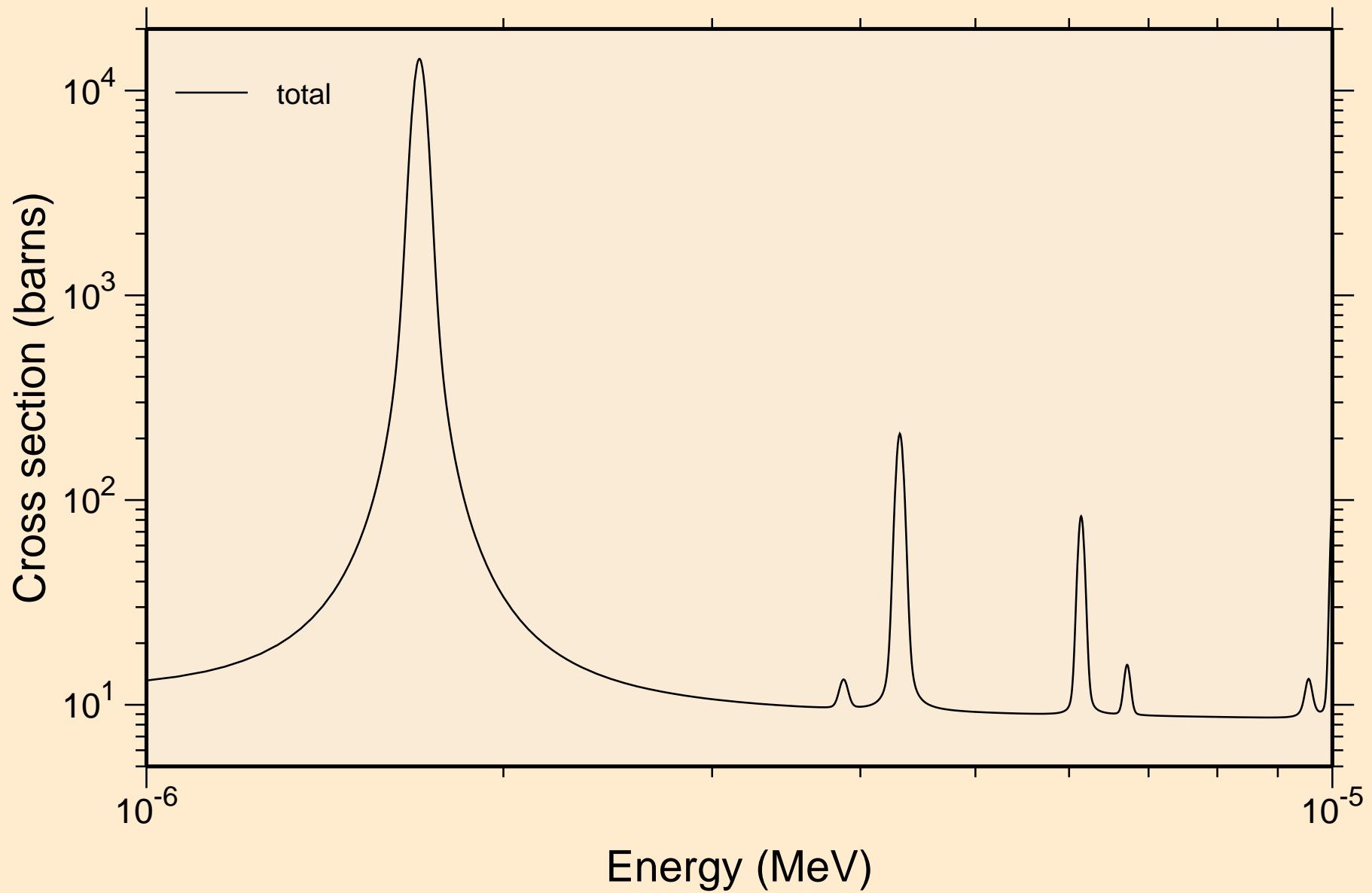


# CF245 NRG TENDL-2015, AKONING

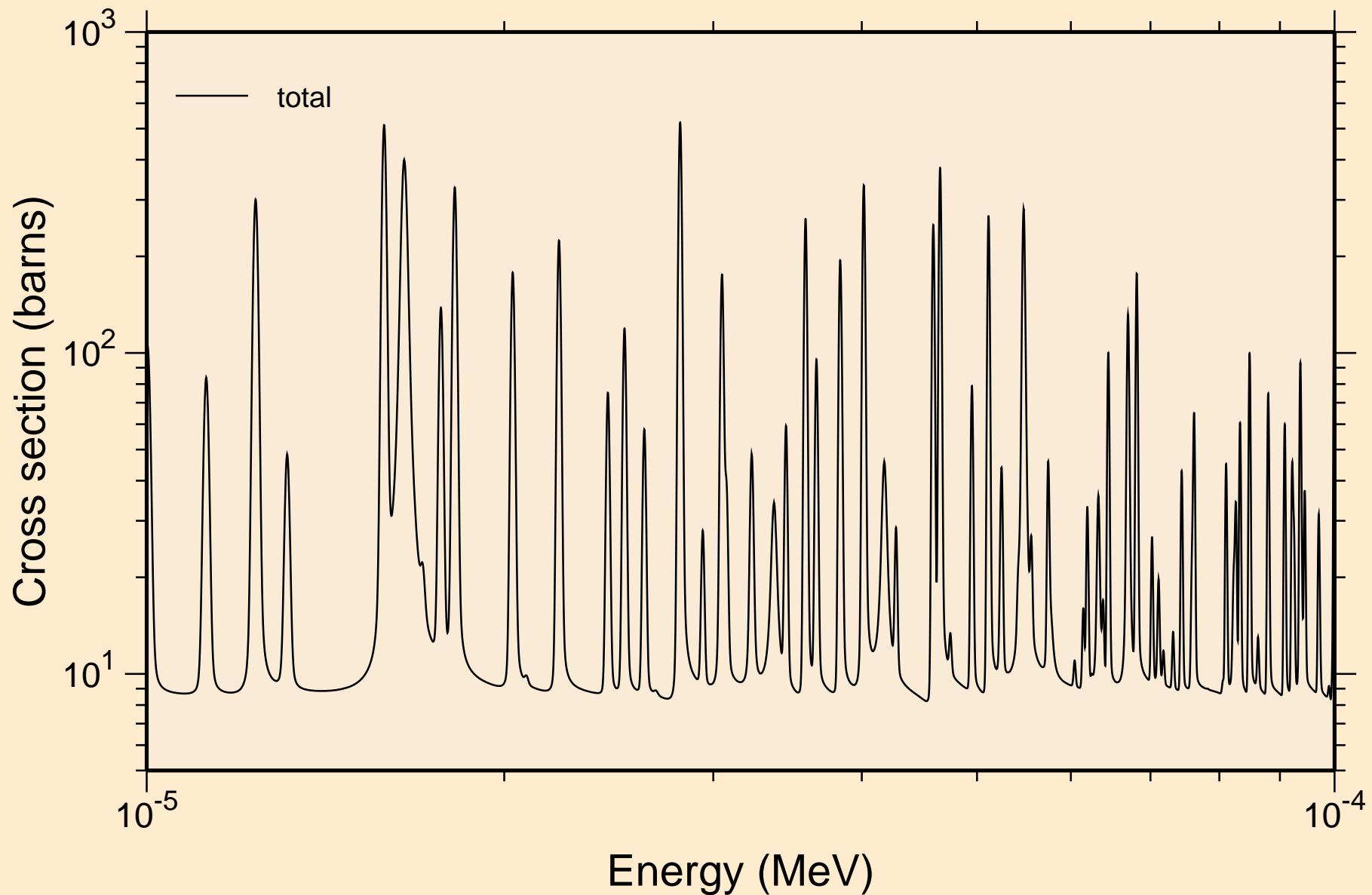
## Principal cross sections



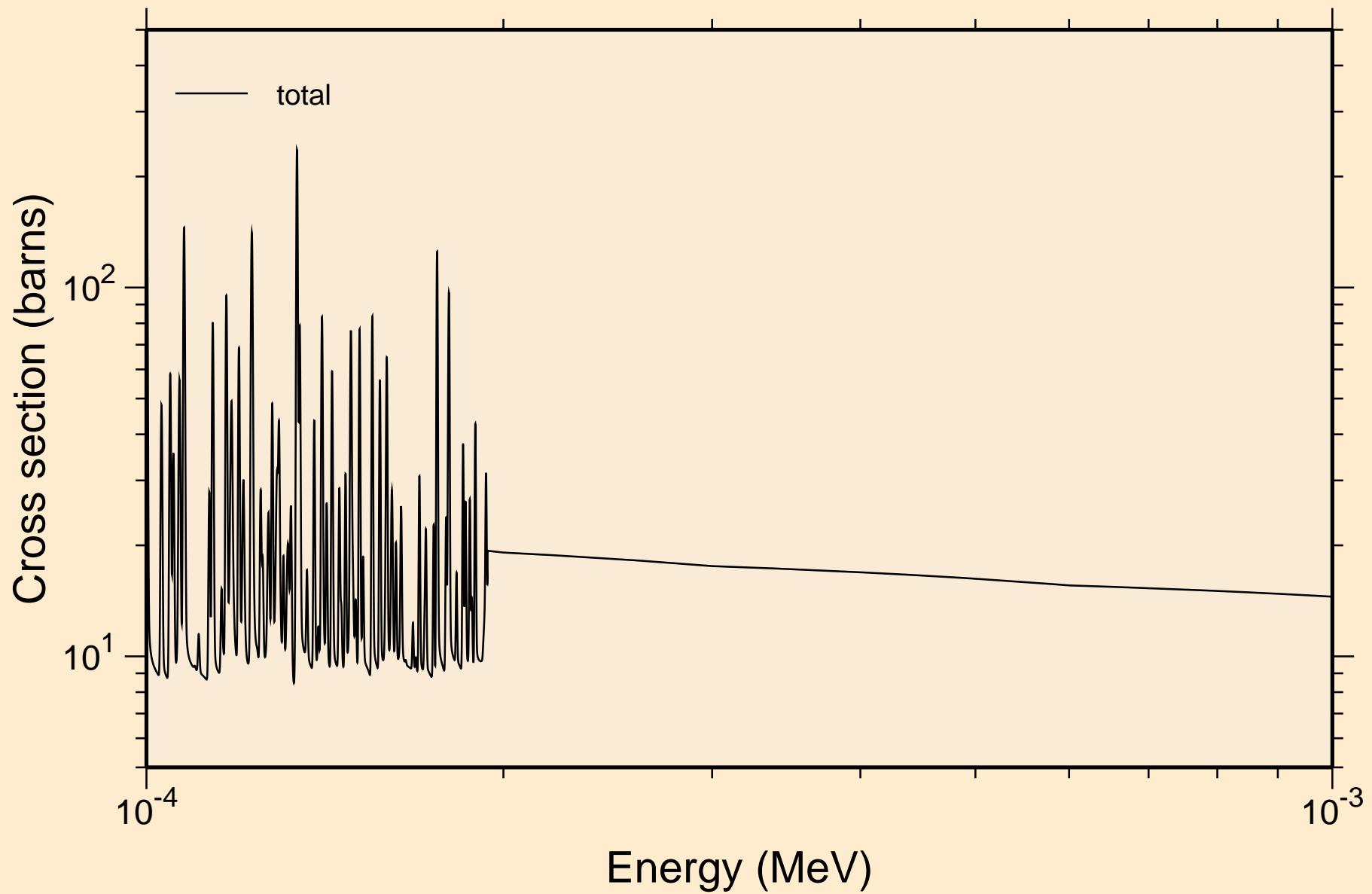
CF245 NRG TENDL-2015, AKONING  
resonance total cross section



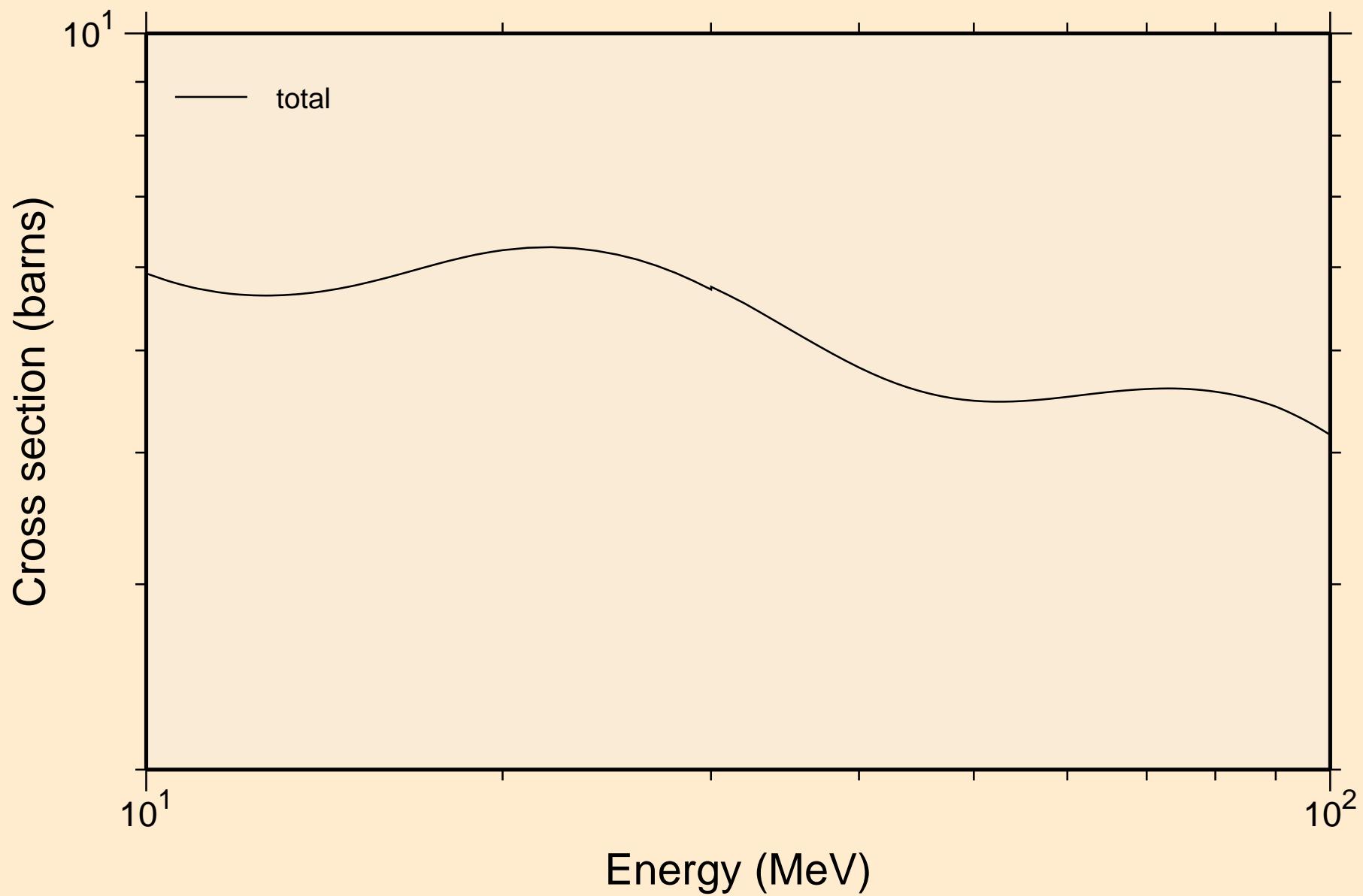
CF245 NRG TENDL-2015, AKONING  
resonance total cross section



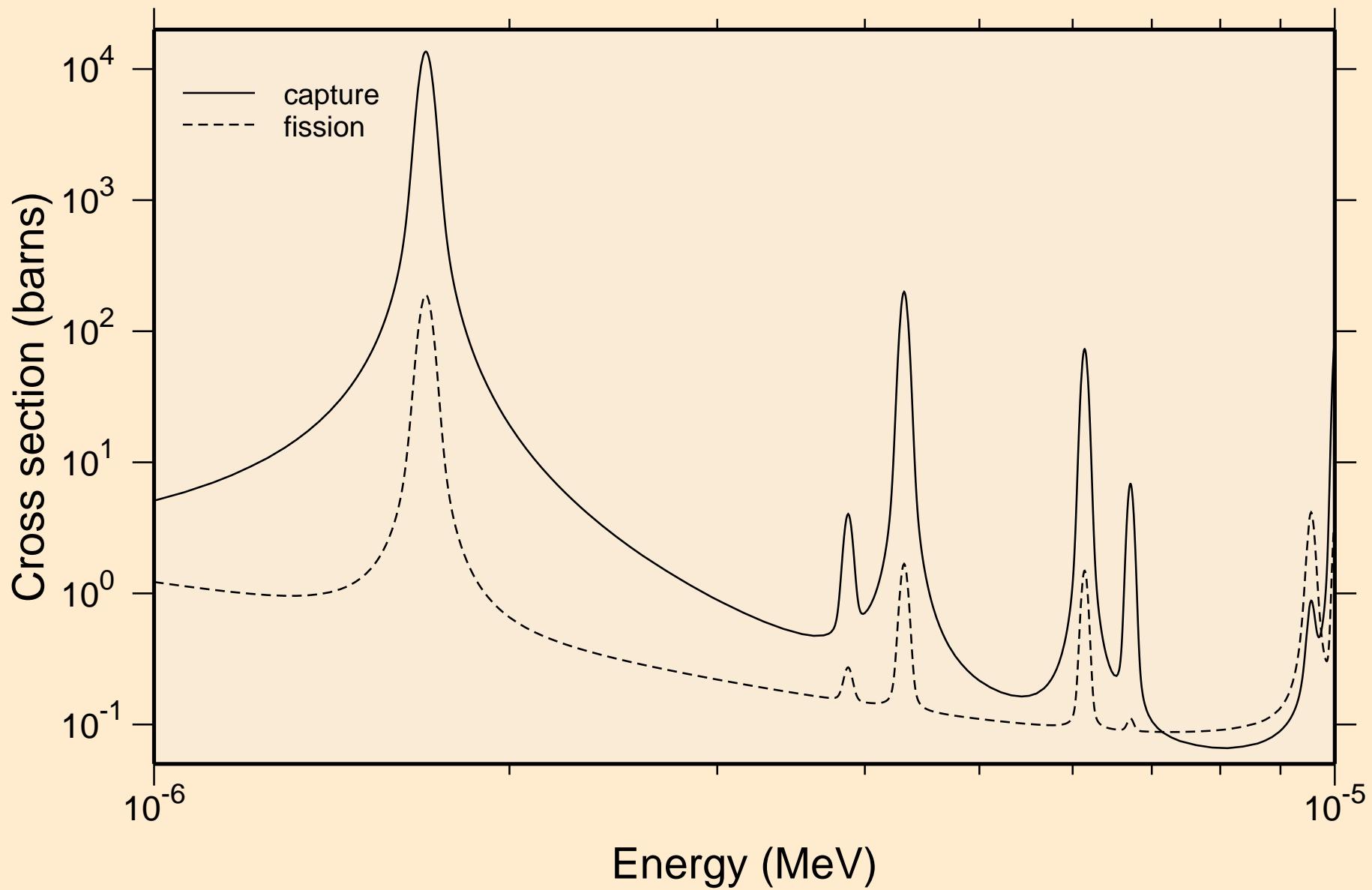
CF245 NRG TENDL-2015, AKONING  
resonance total cross section



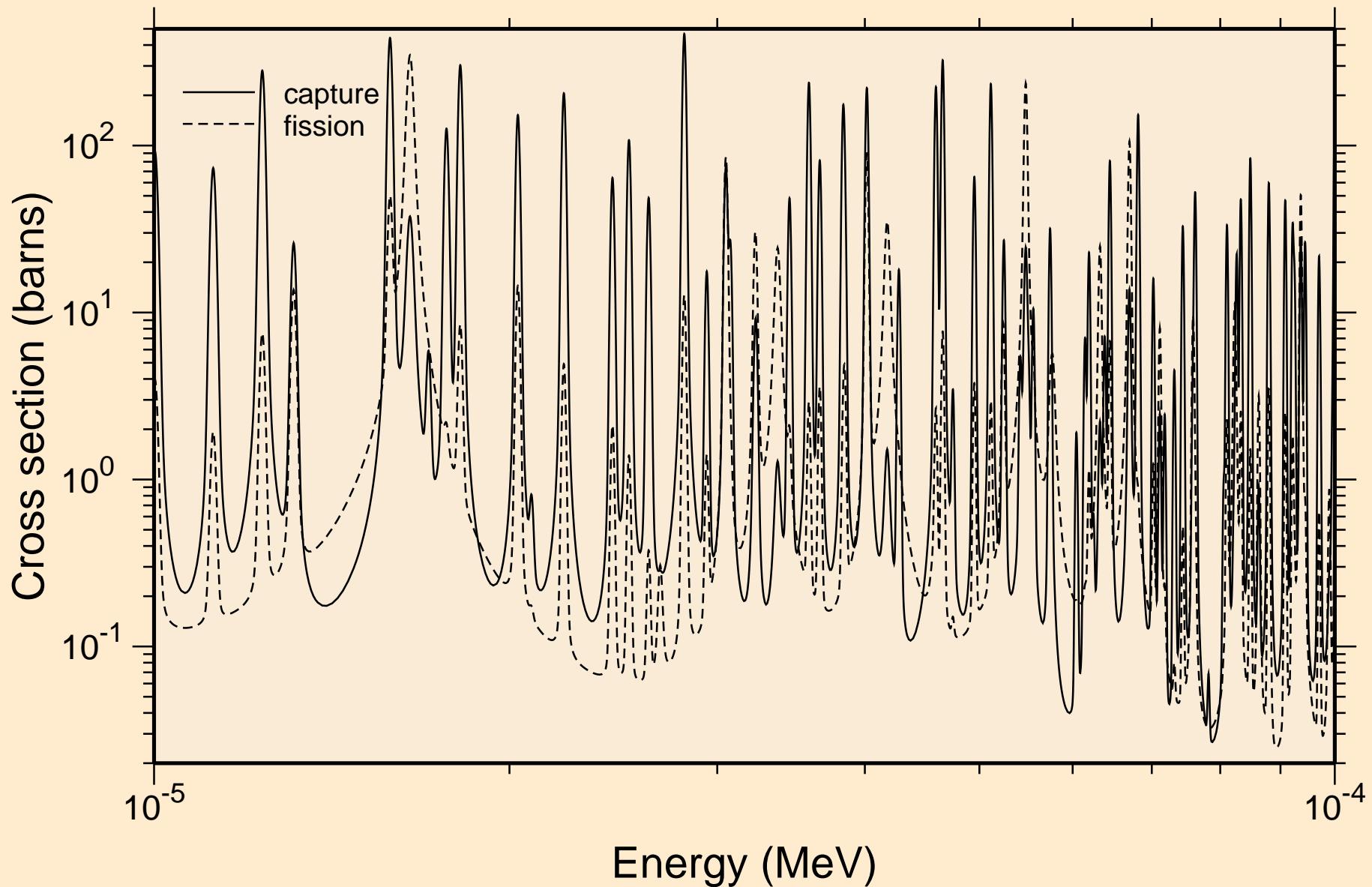
CF245 NRG TENDL-2015, AKONING  
resonance total cross section



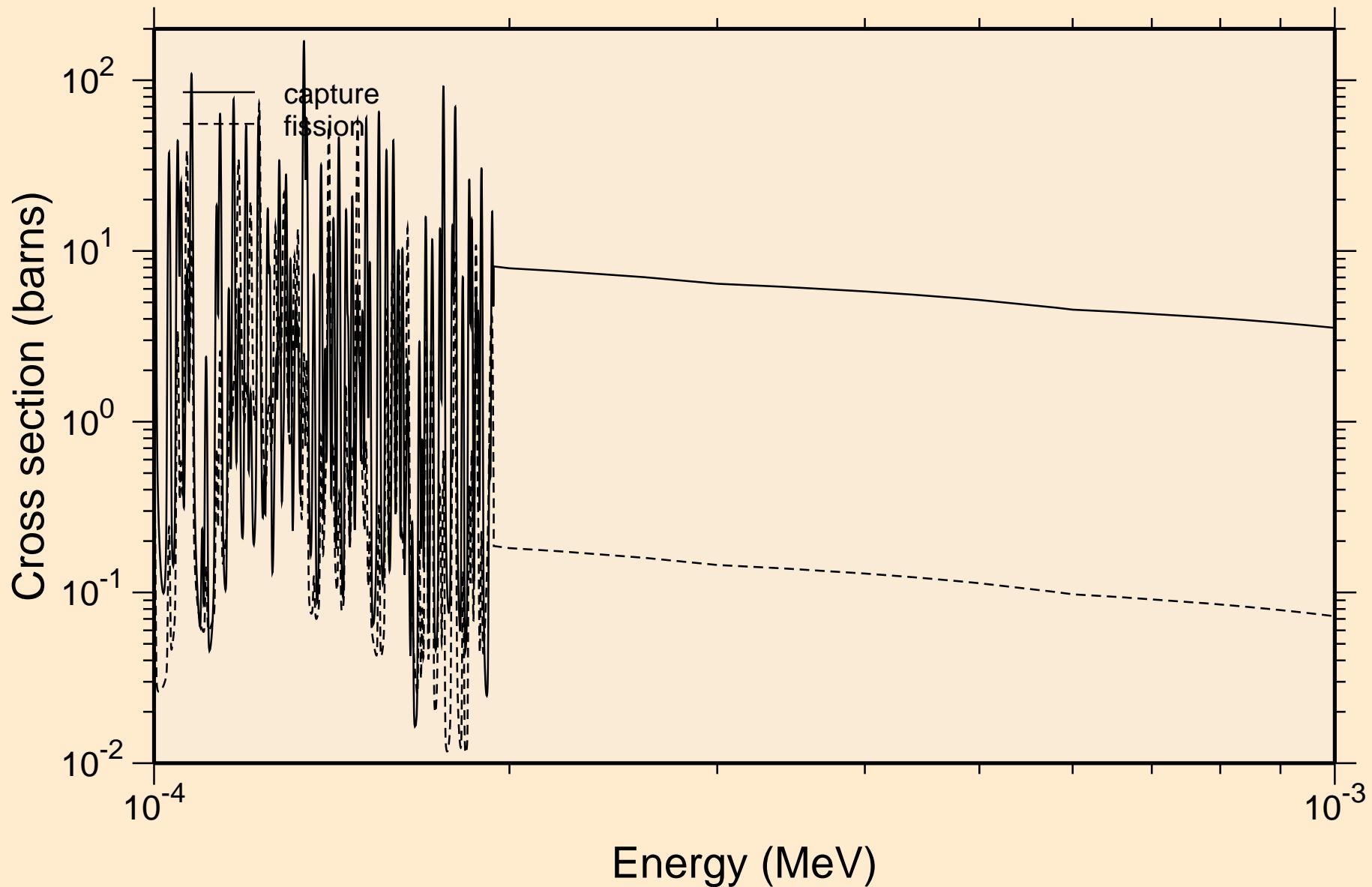
# CF245 NRG TENDL-2015, AKONING resonance absorption cross sections



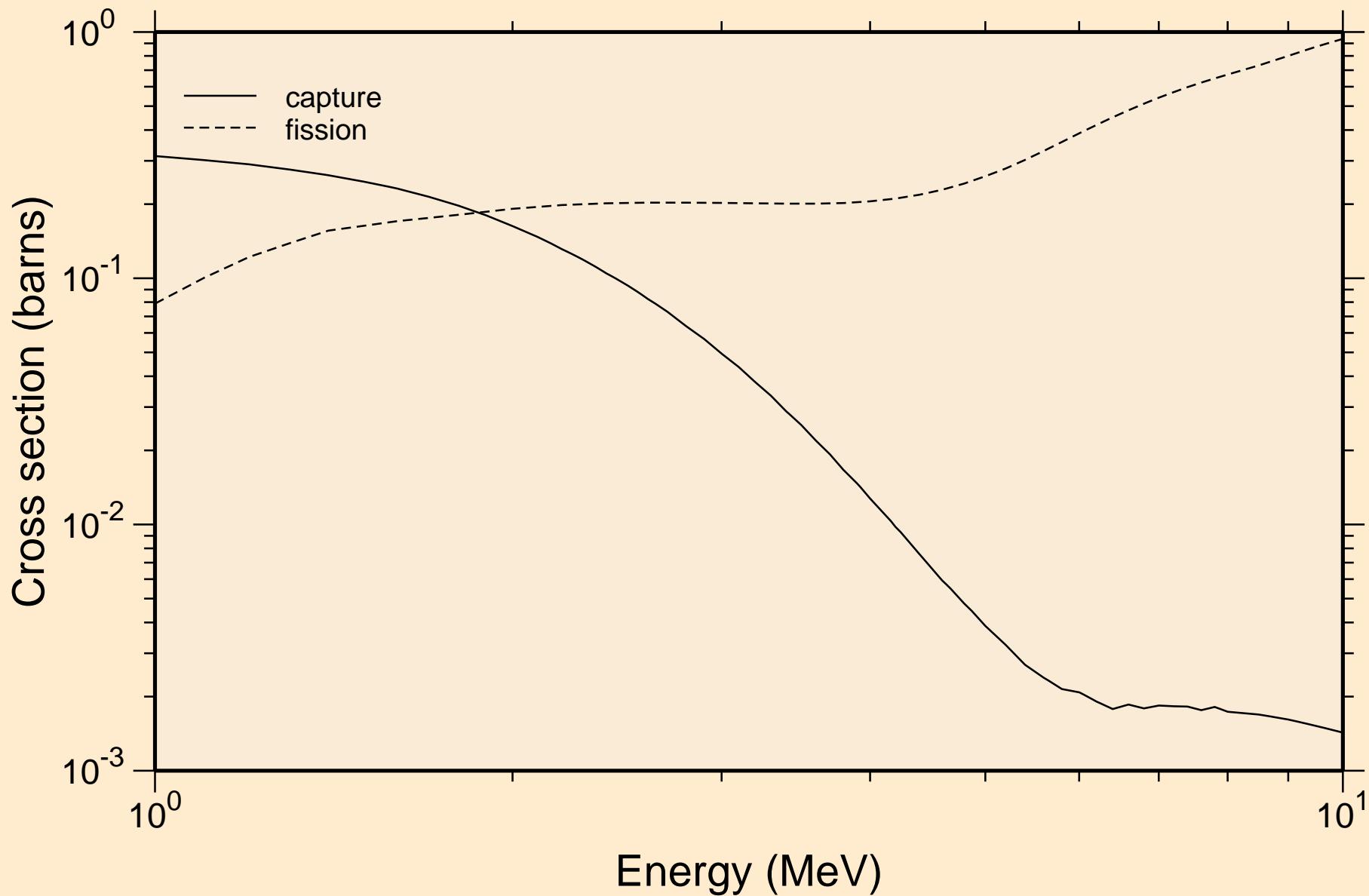
# CF245 NRG TENDL-2015, AKONING resonance absorption cross sections



CF245 NRG TENDL-2015, AKONING  
resonance absorption cross sections

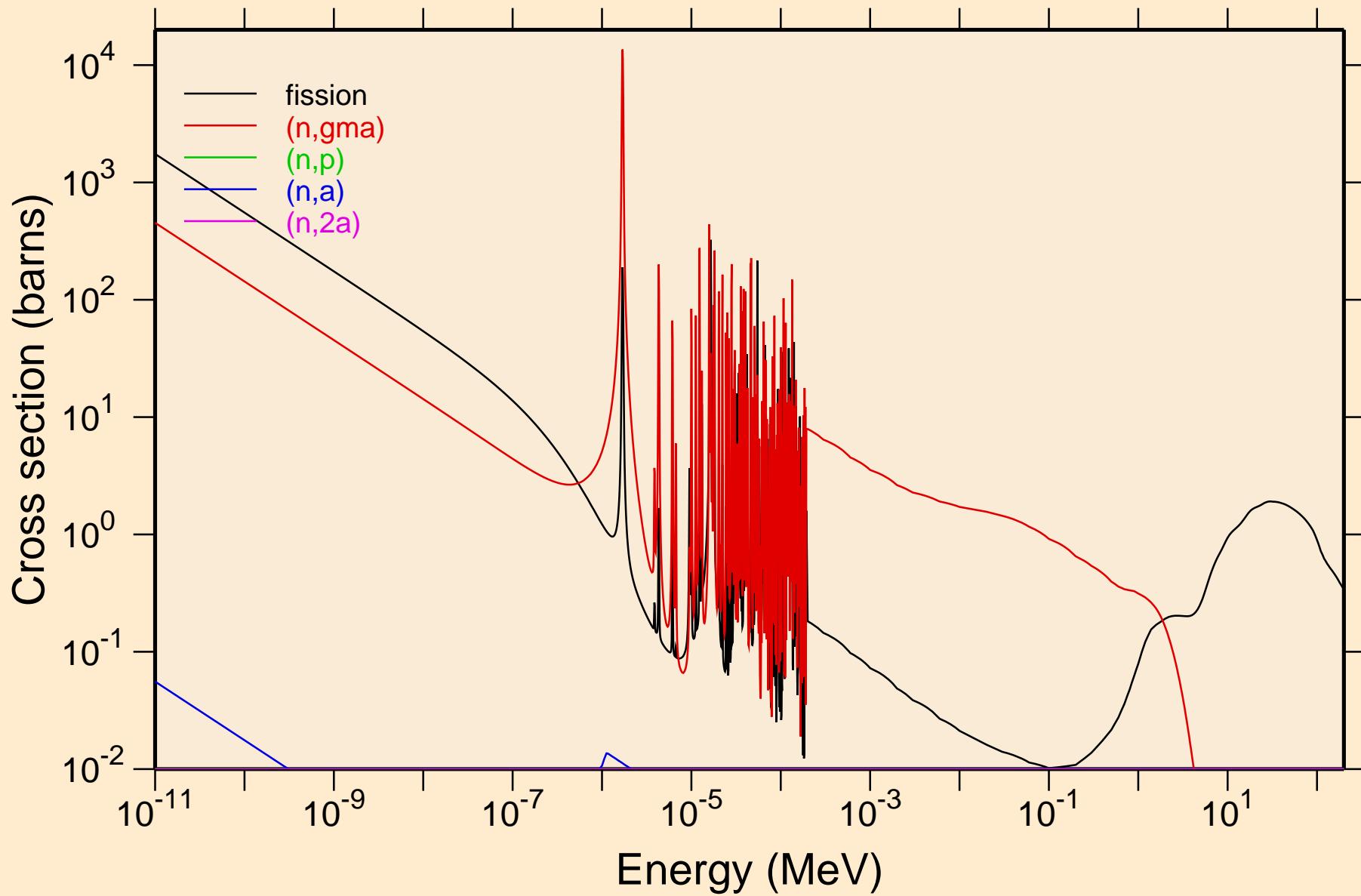


CF245 NRG TENDL-2015, AKONING  
resonance absorption cross sections



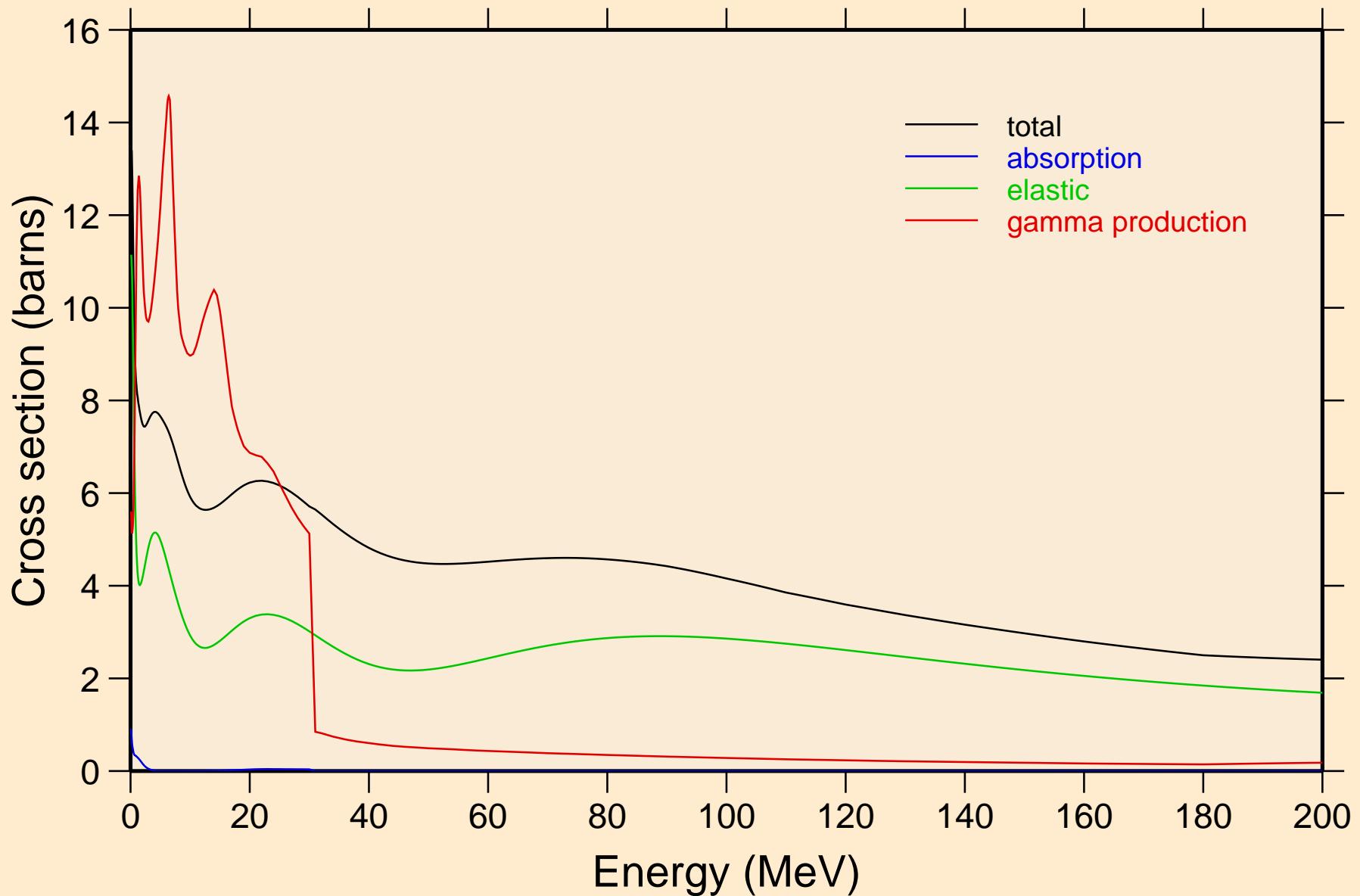
# CF245 NRG TENDL-2015, AKONING

## Non-threshold reactions



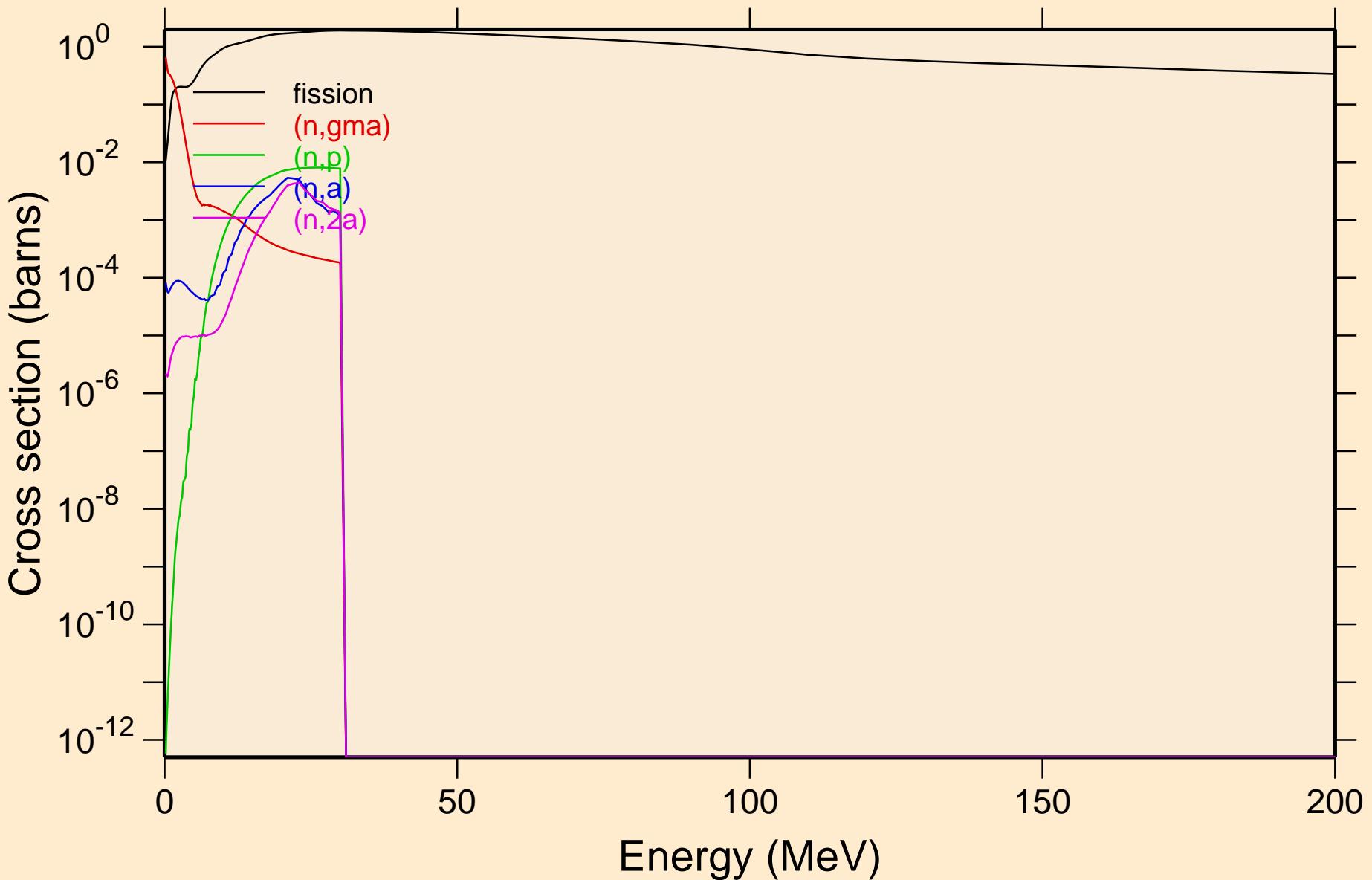
# CF245 NRG TENDL-2015, AKONING

## Principal cross sections



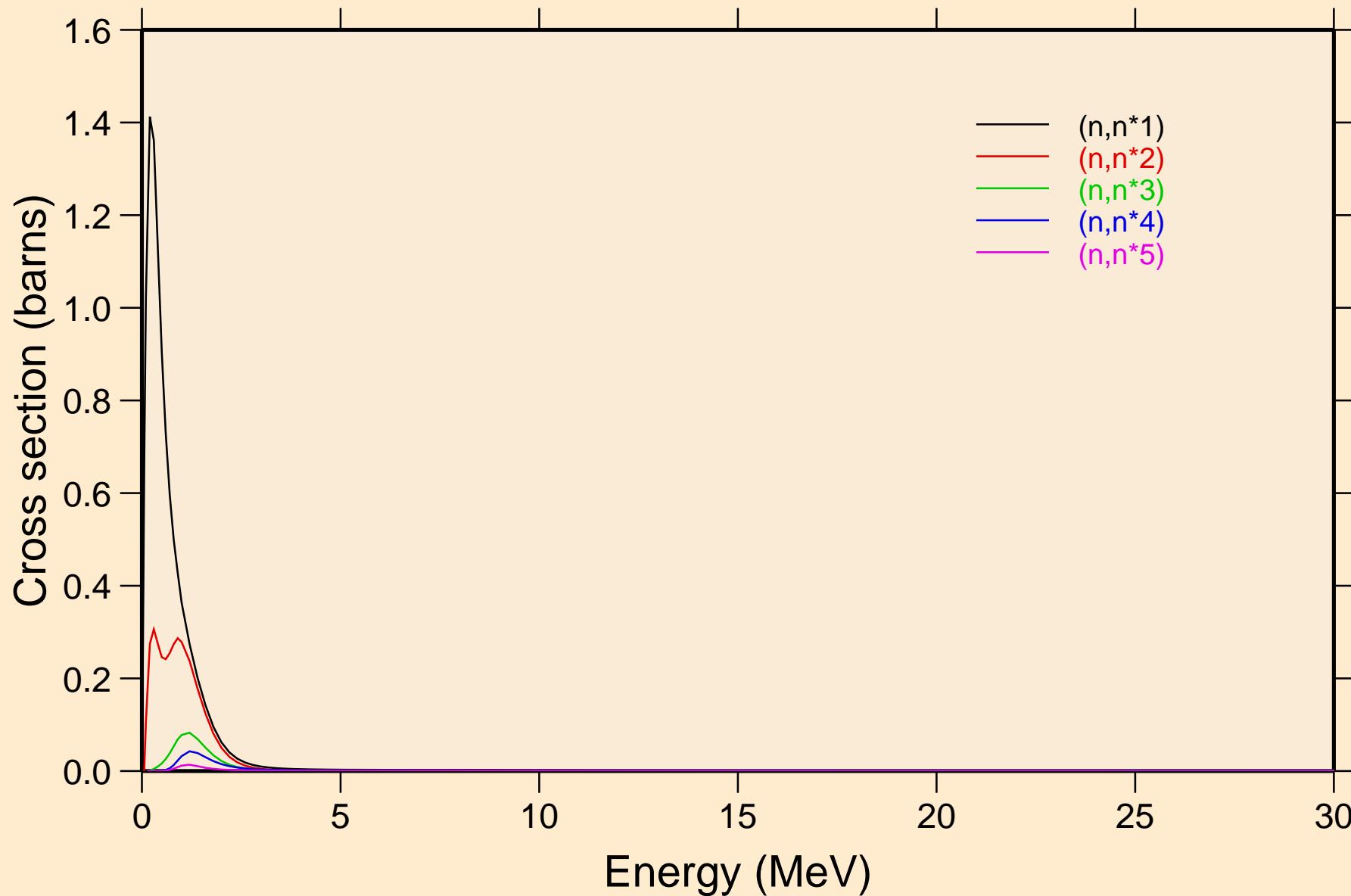
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## Non-threshold reactions



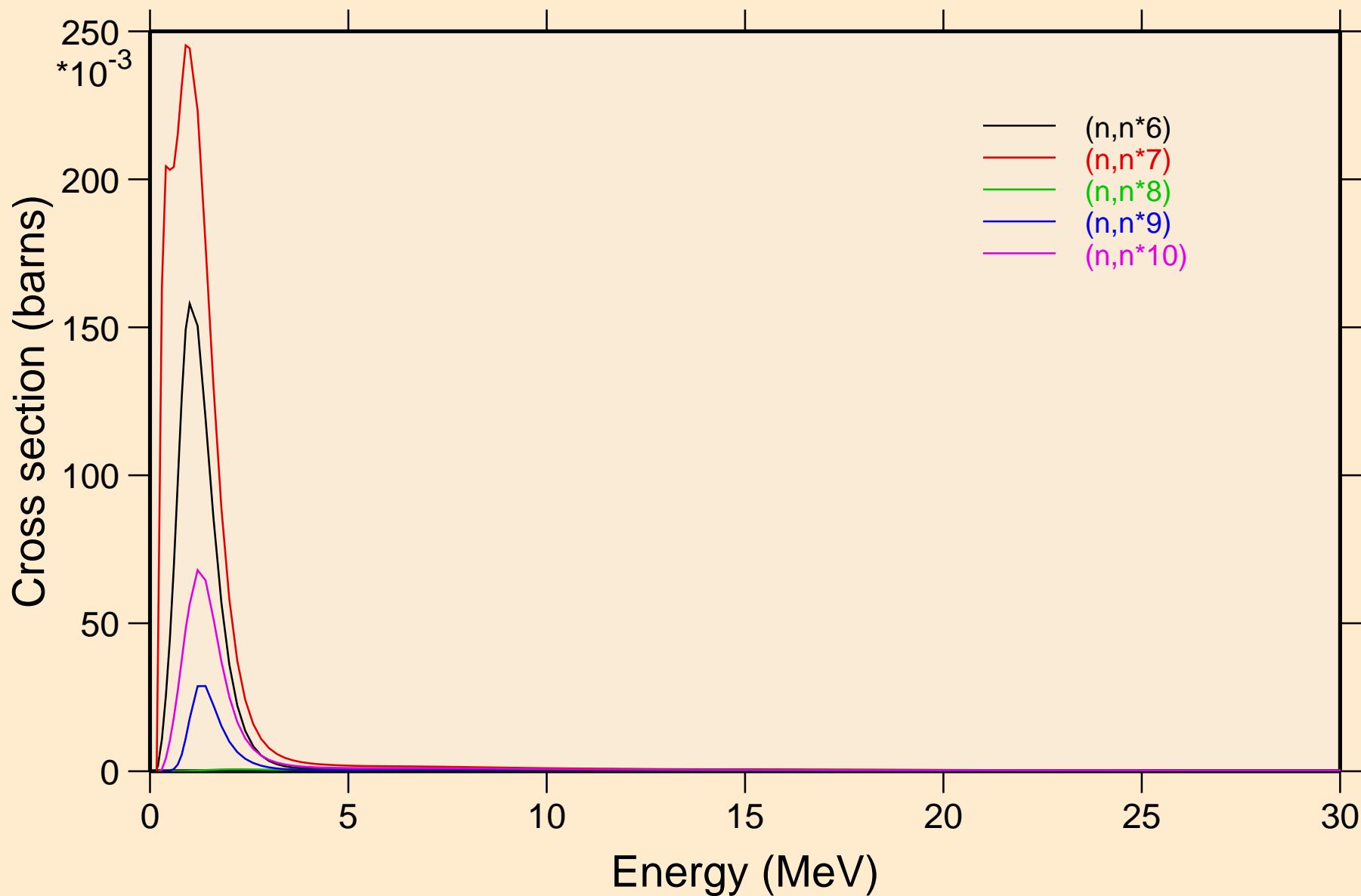
# CF245 NRG TENDL-2015, AKONING

## Inelastic levels



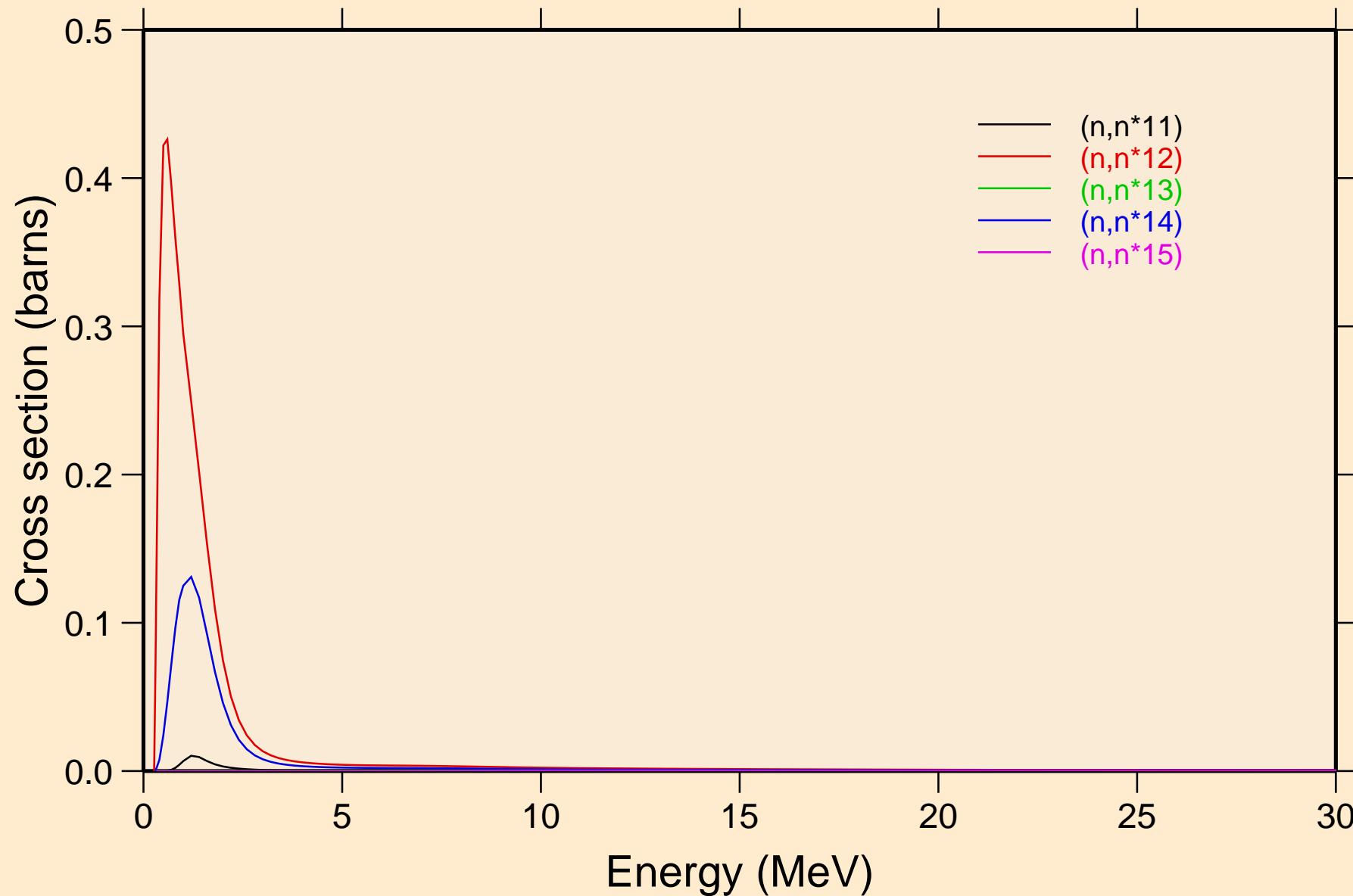
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## Inelastic levels



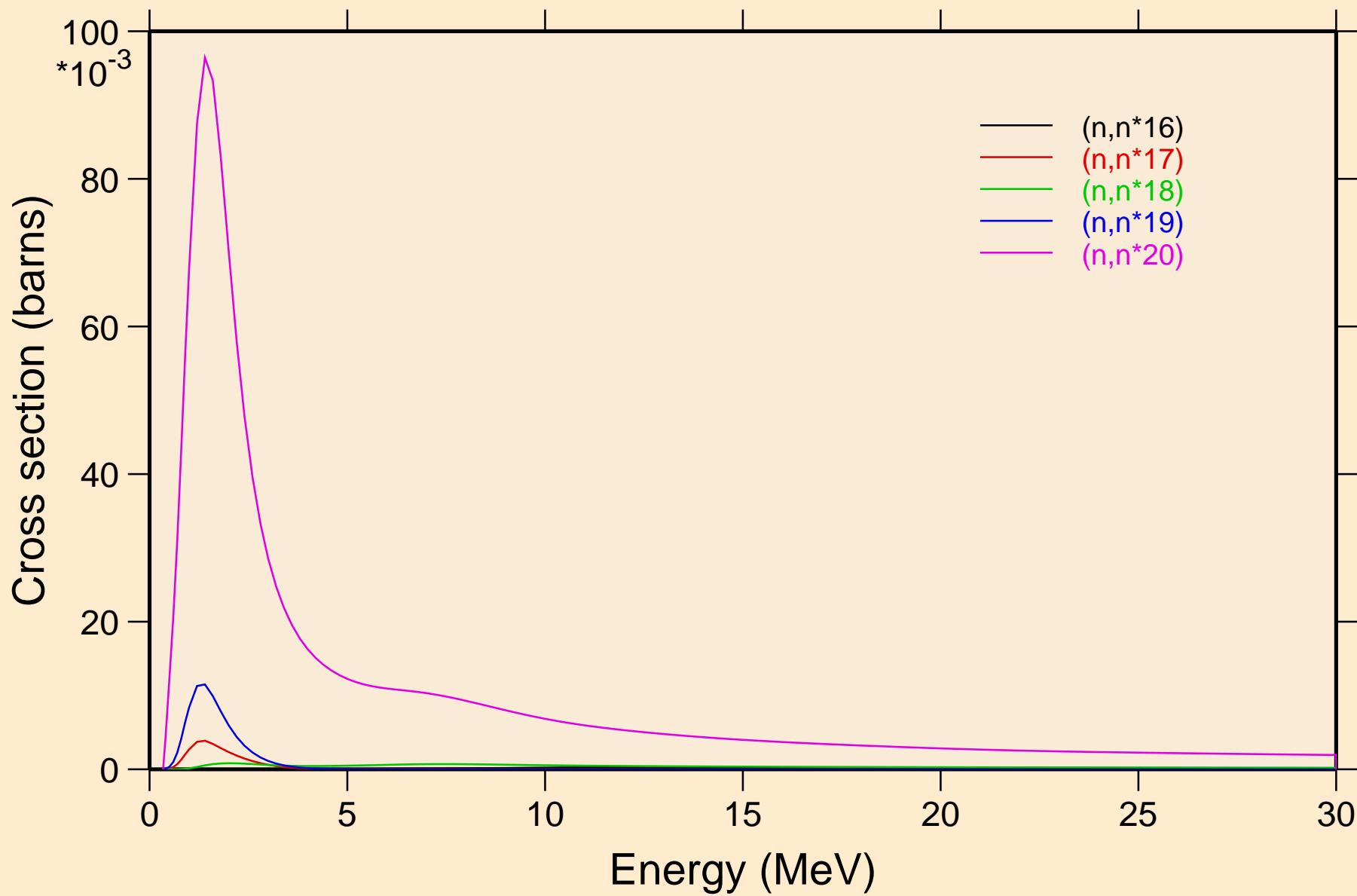
# CF245 NRG TENDL-2015, AKONING

## Inelastic levels



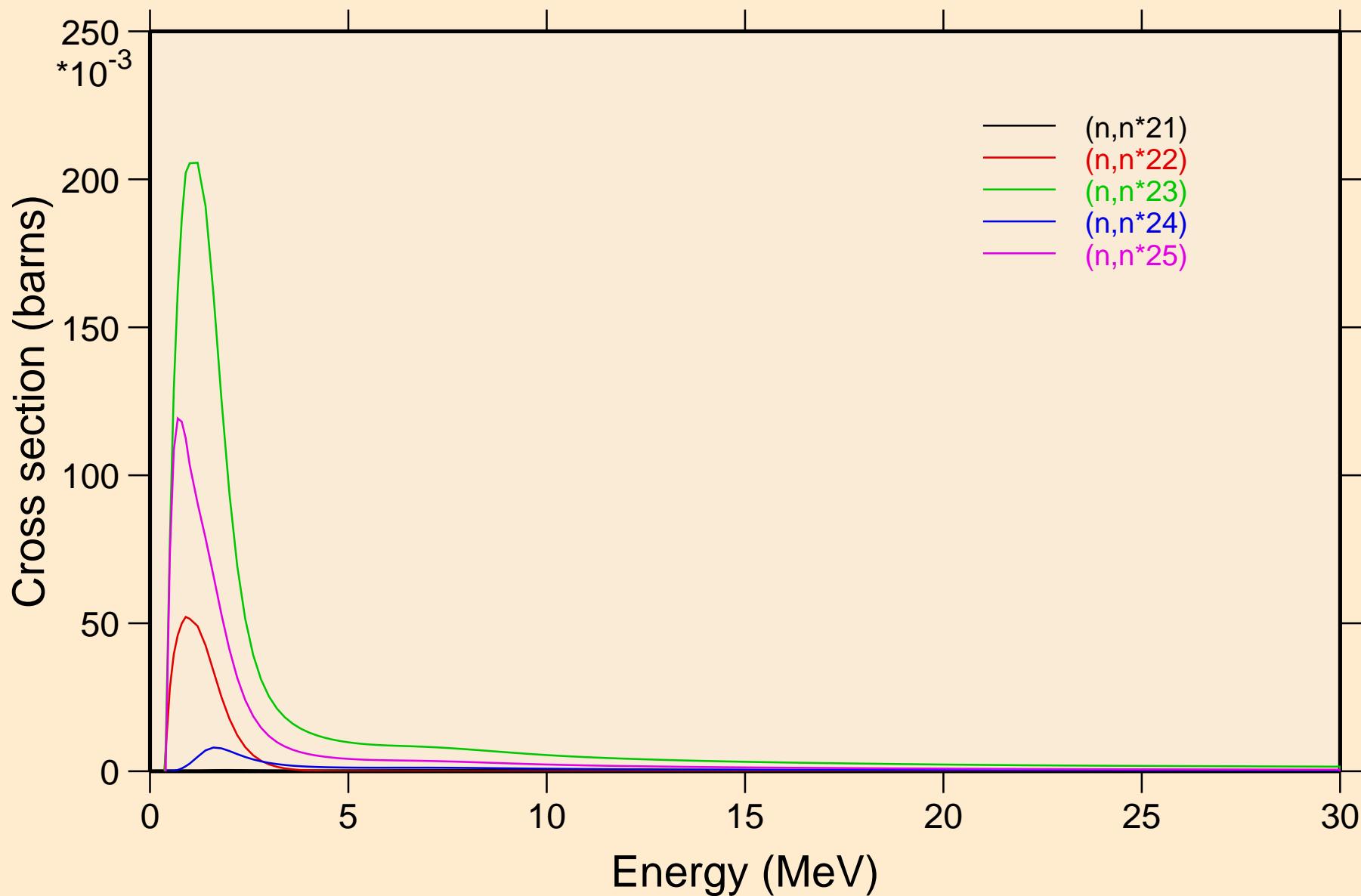
# CF245 NRG TENDL-2015, AKONING

## Inelastic levels



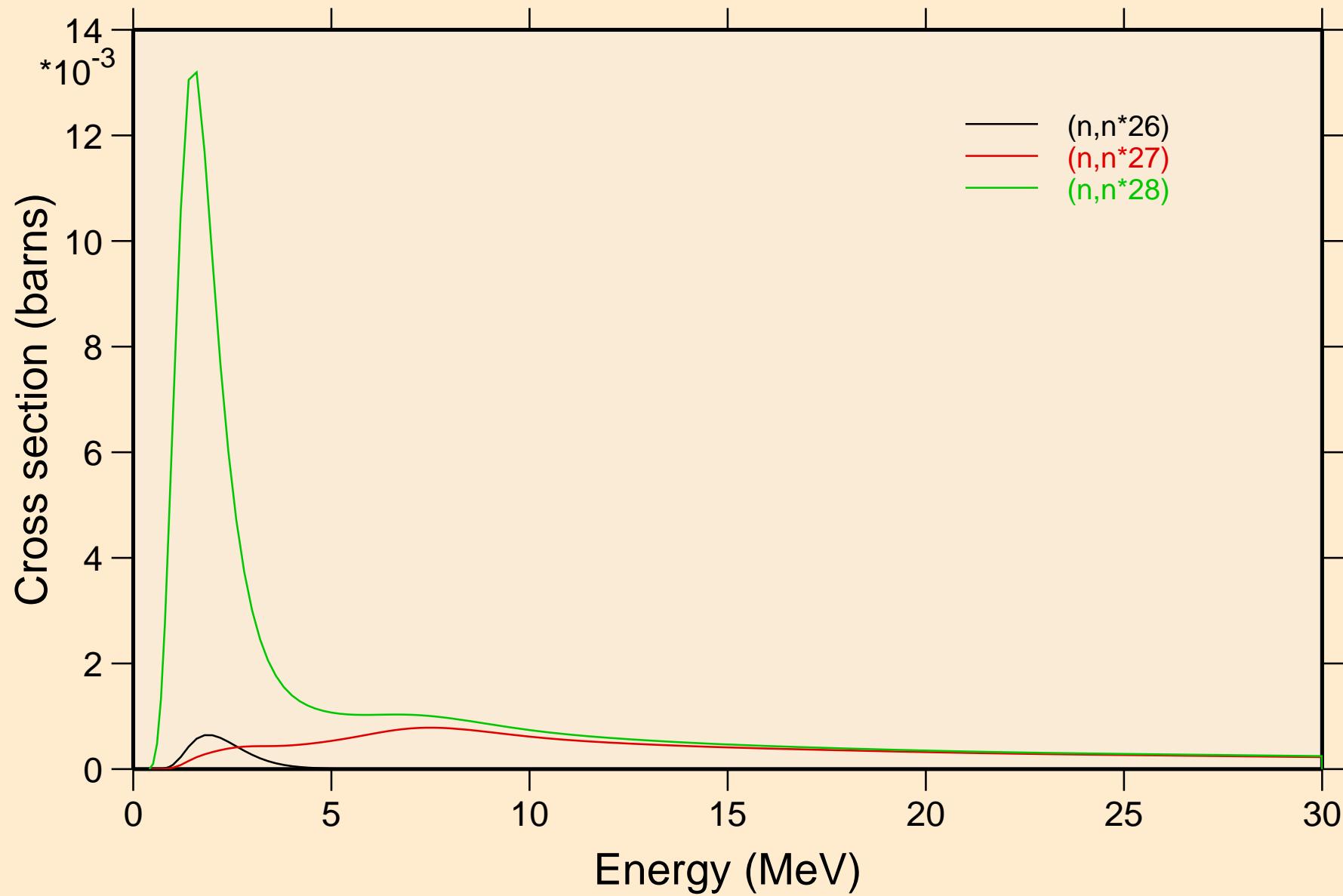
# CF245 NRG TENDL-2015, AKONING

## Inelastic levels



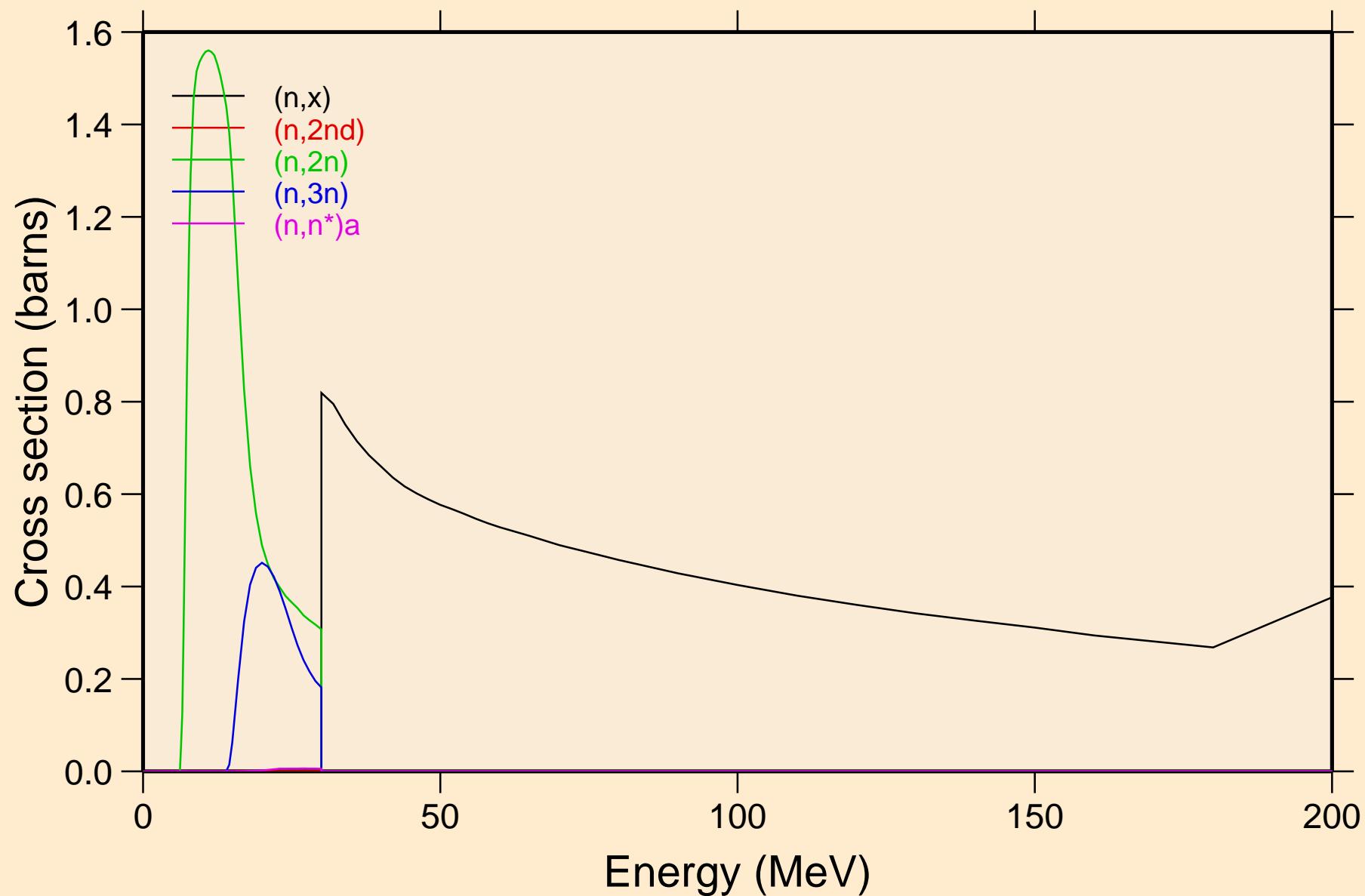
# CF245 NRG TENDL-2015, AKONING

## Inelastic levels



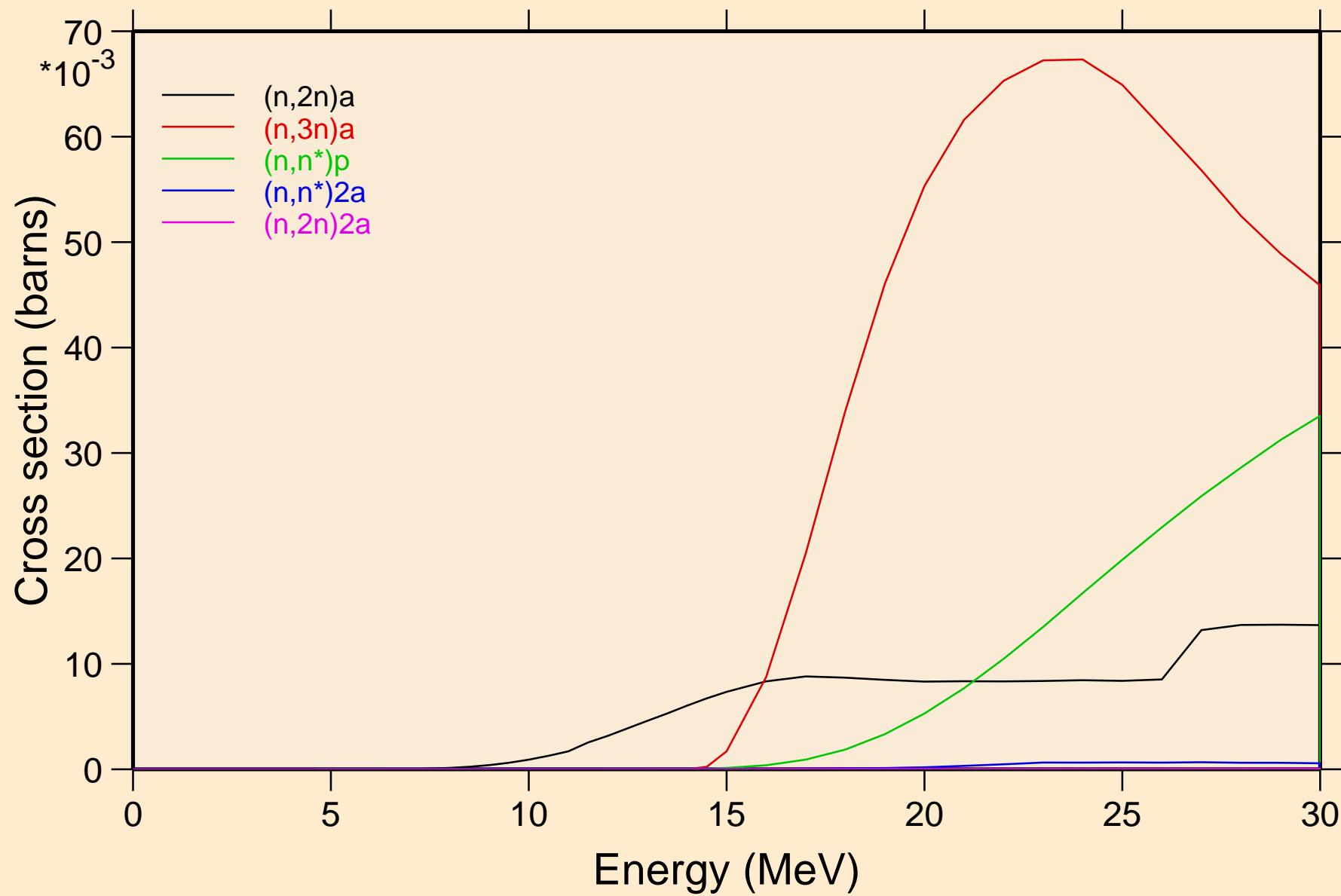
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## Threshold reactions



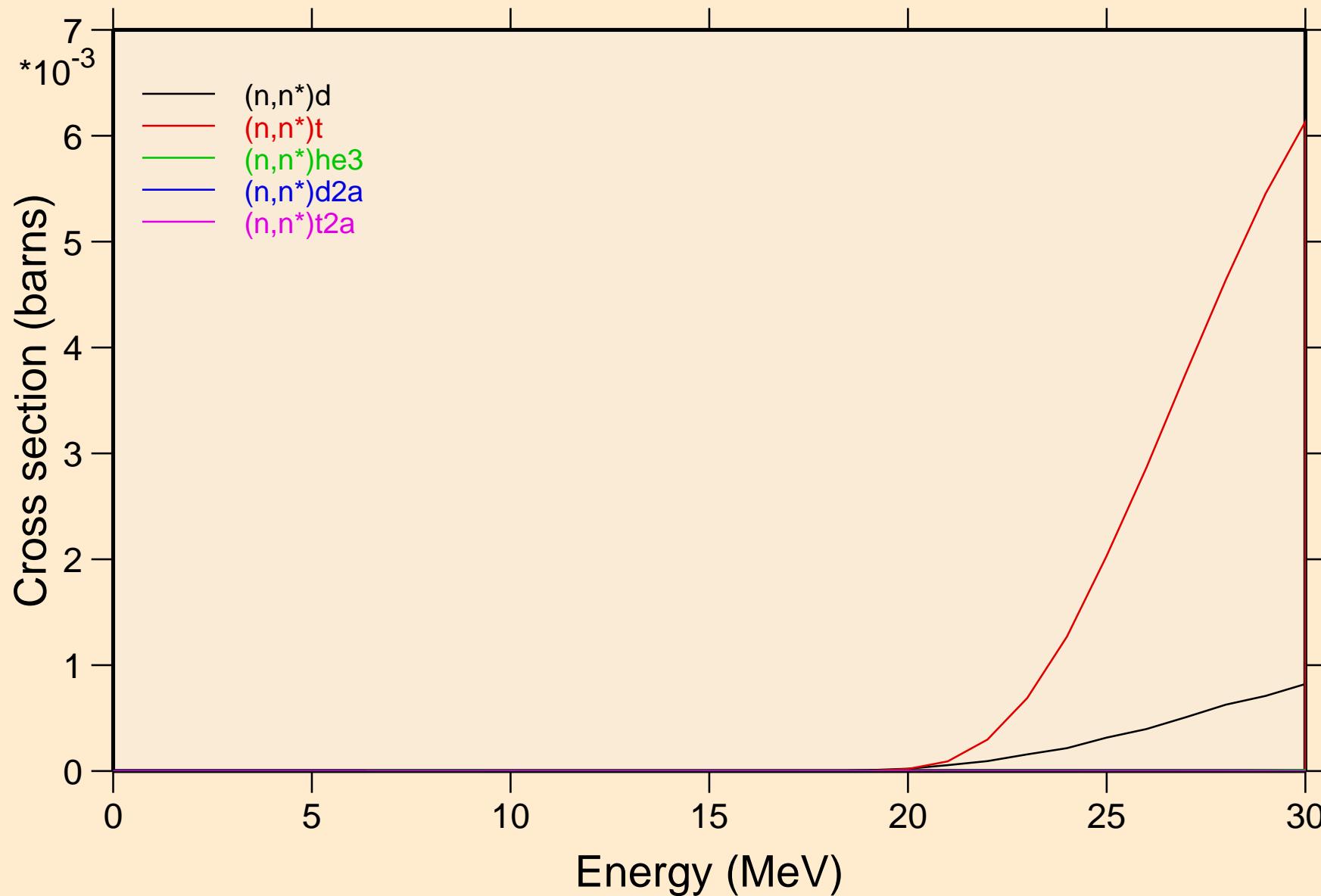
# CF245 NRG TENDL-2015, AKONING

## Threshold reactions



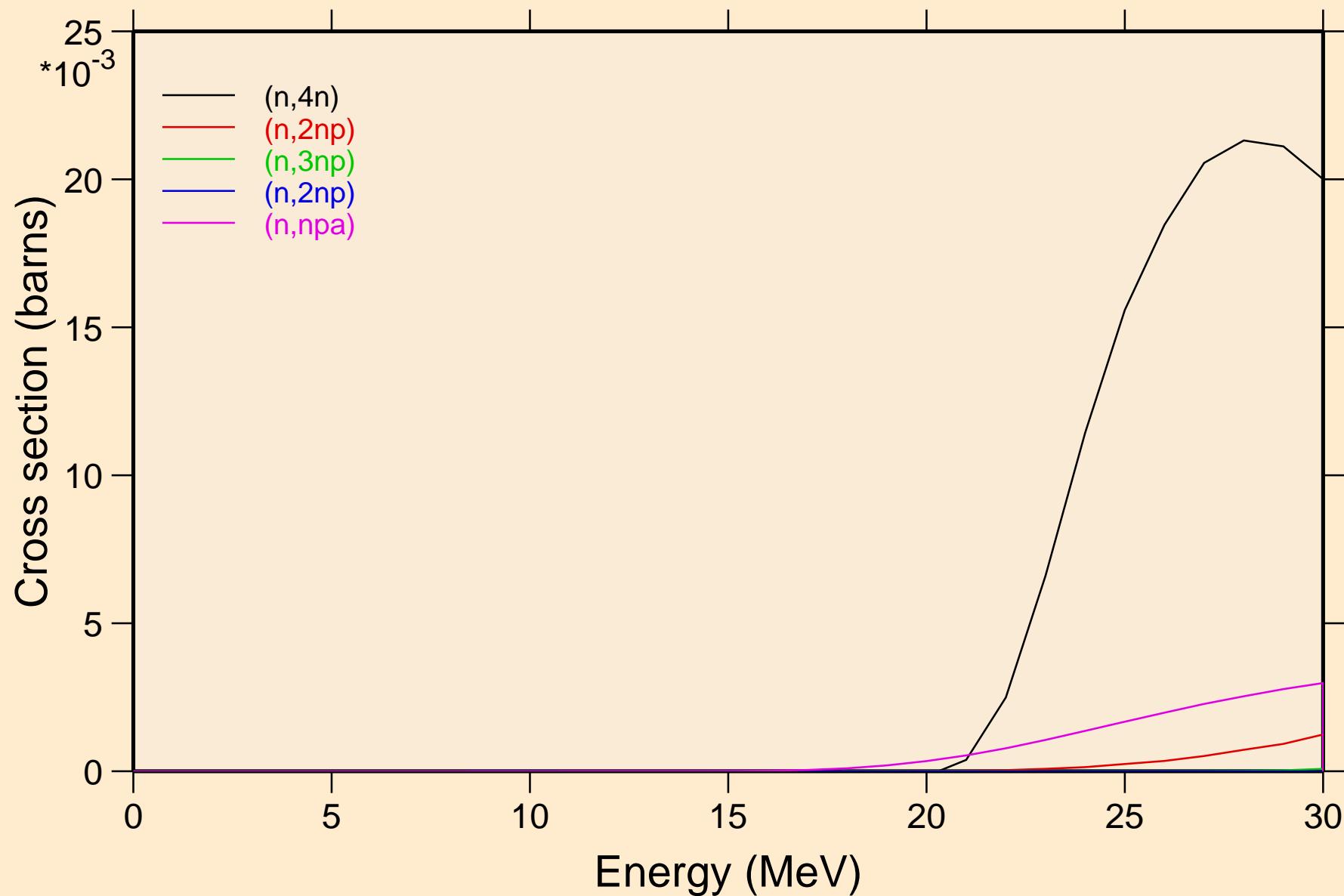
# CF245 NRG TENDL-2015, AKONING

## Threshold reactions



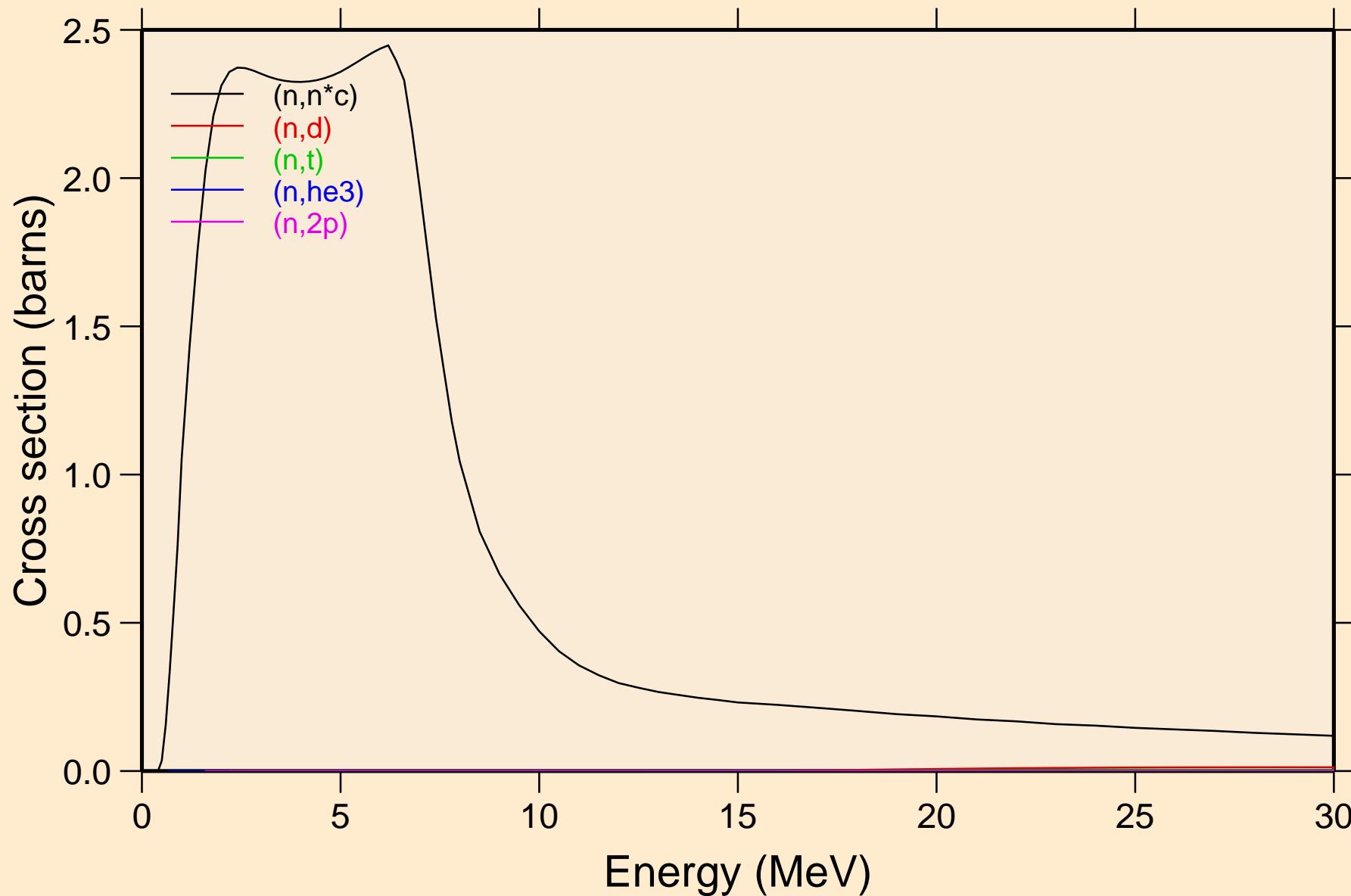
# CF245 NRG TENDL-2015, AKONING

## Threshold reactions



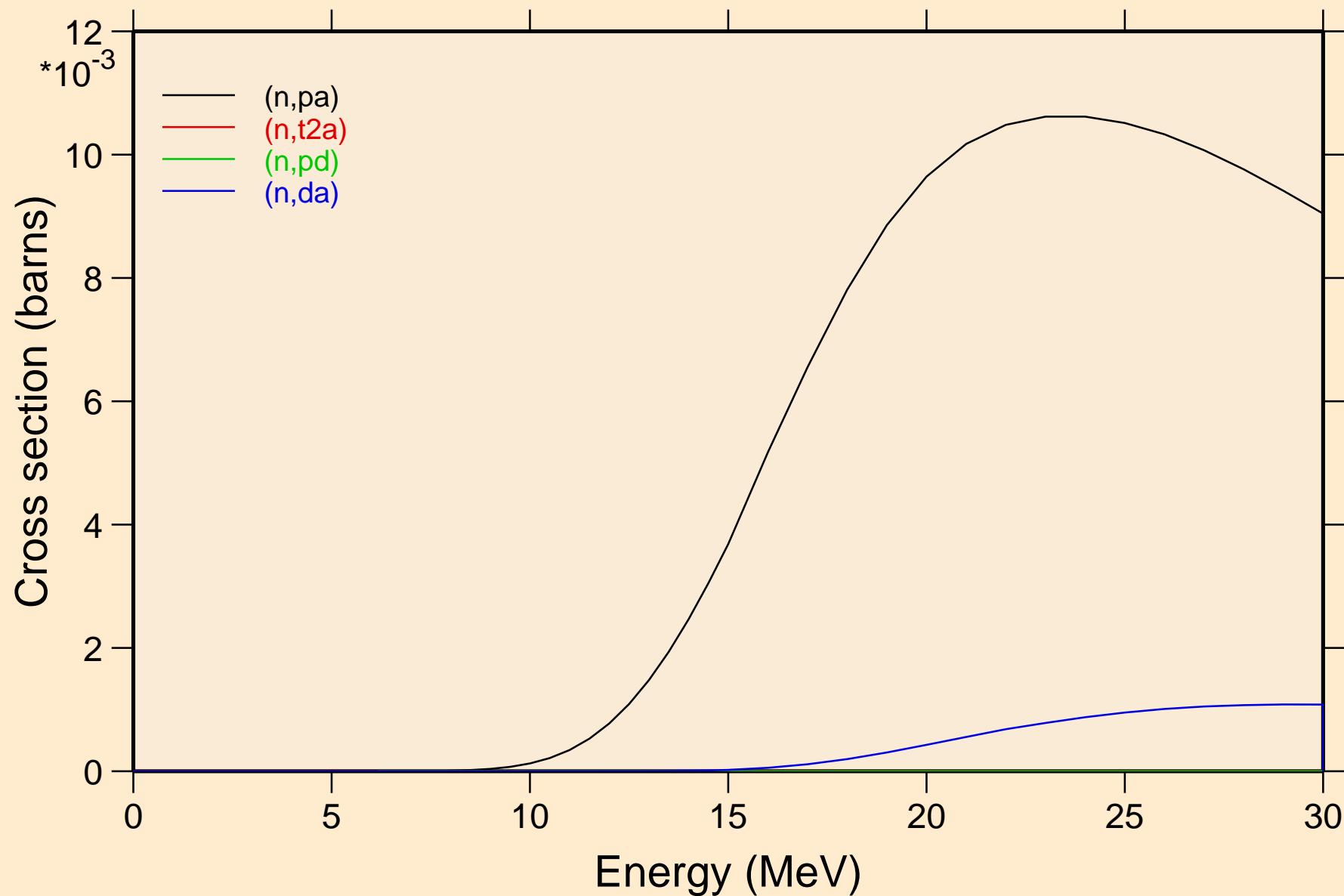
# CF245 NRG TENDL-2015, AKONING

## Threshold reactions

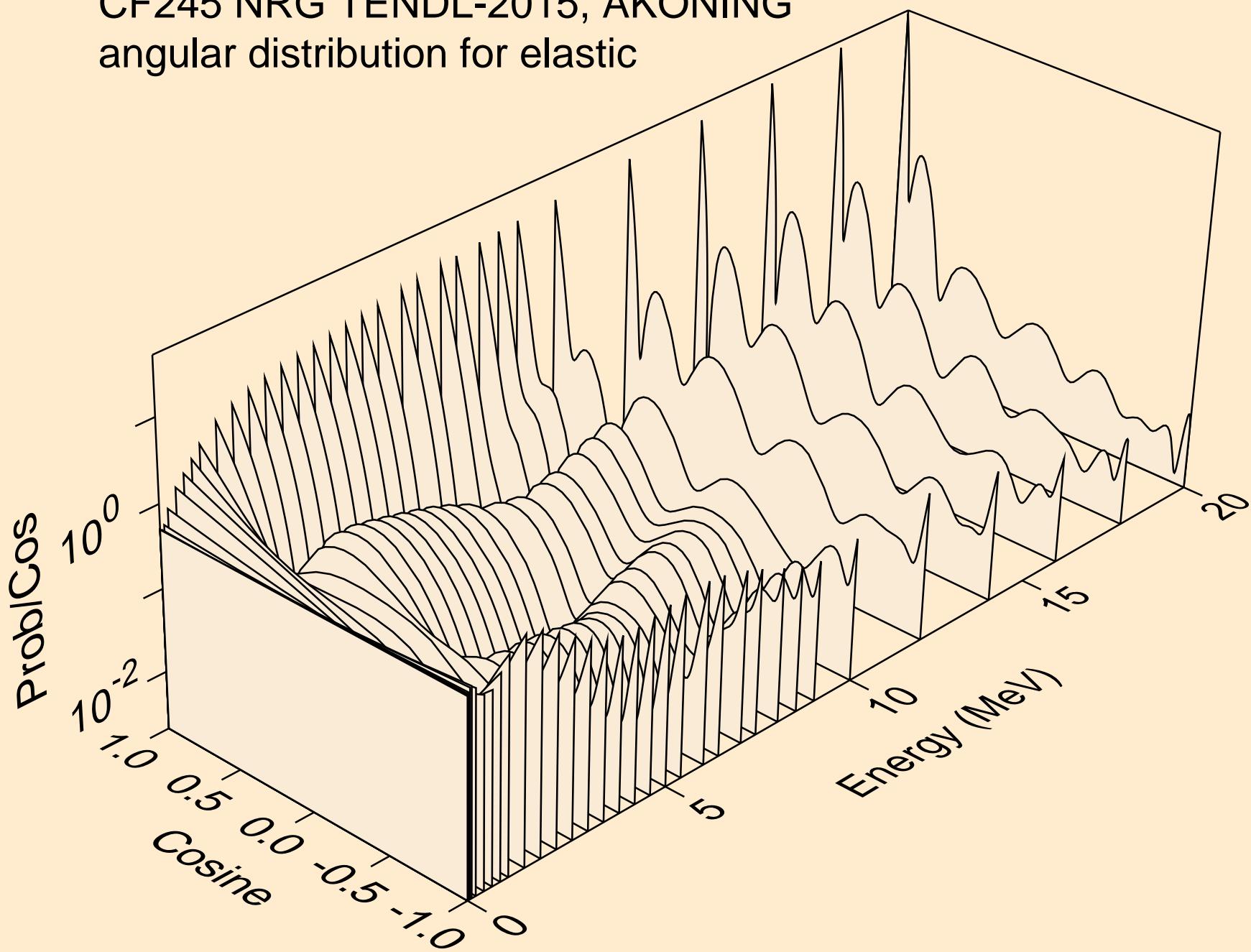


# CF245 NRG TENDL-2015, AKONING

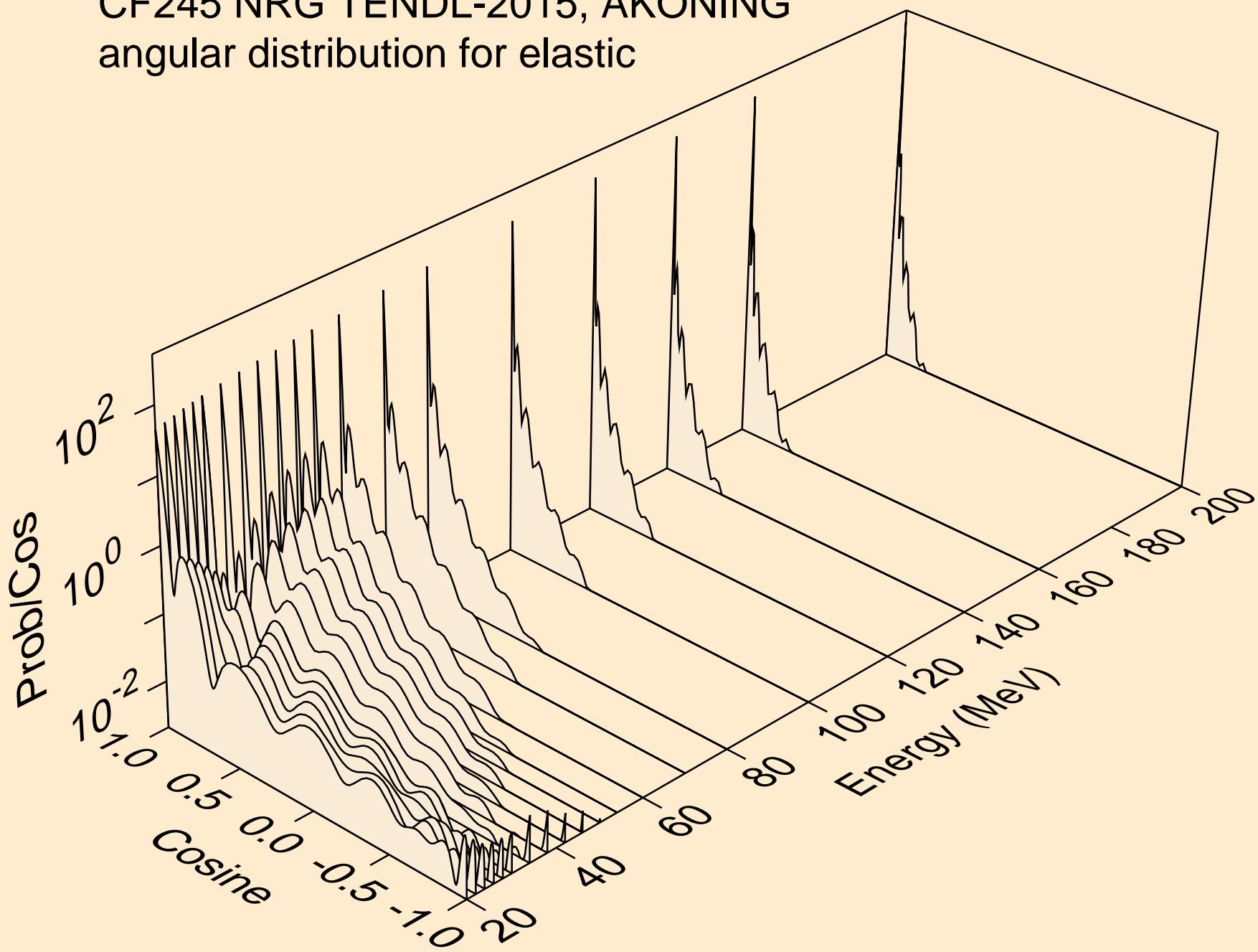
## Threshold reactions



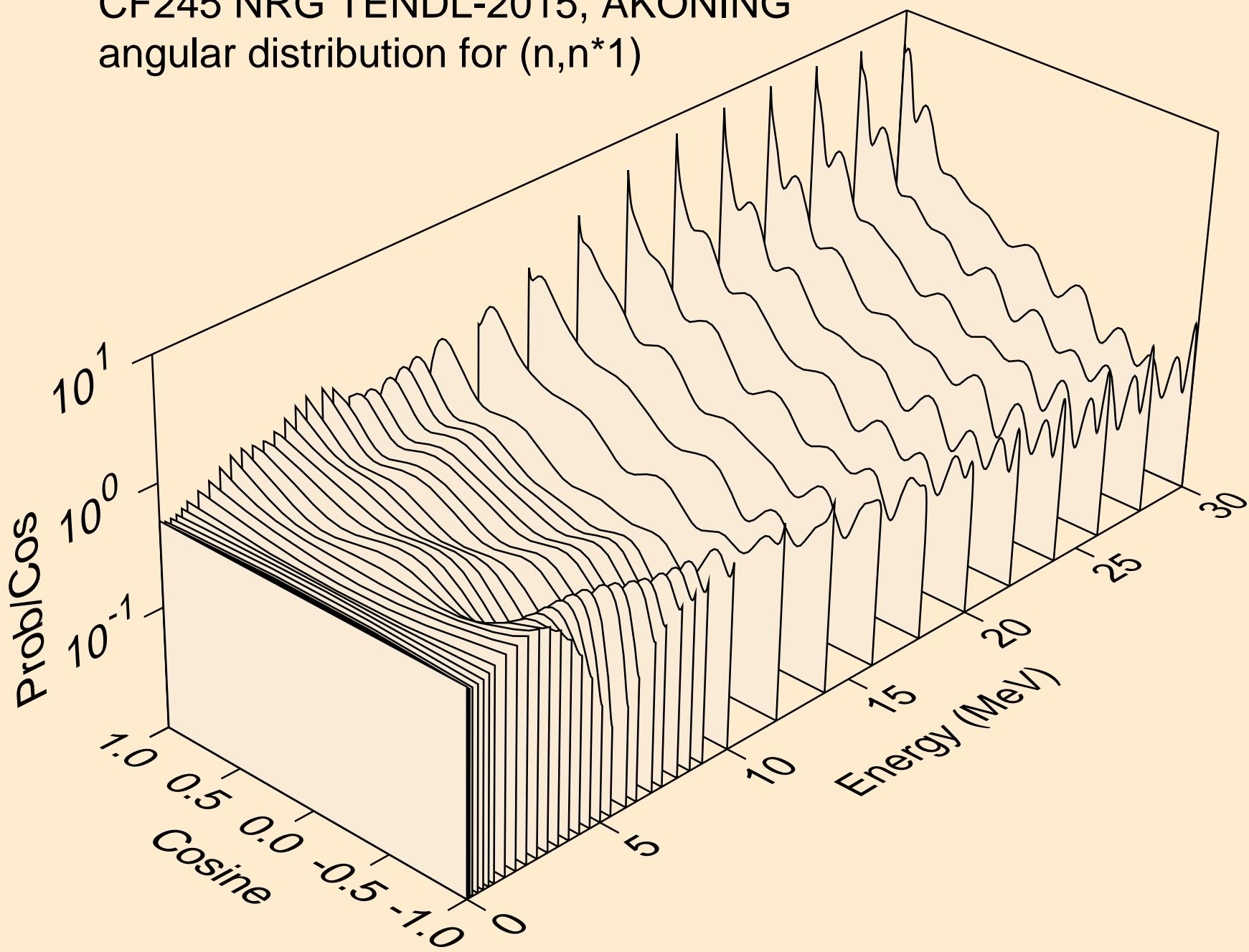
CF245 NRG TENDL-2015, AKONING  
angular distribution for elastic



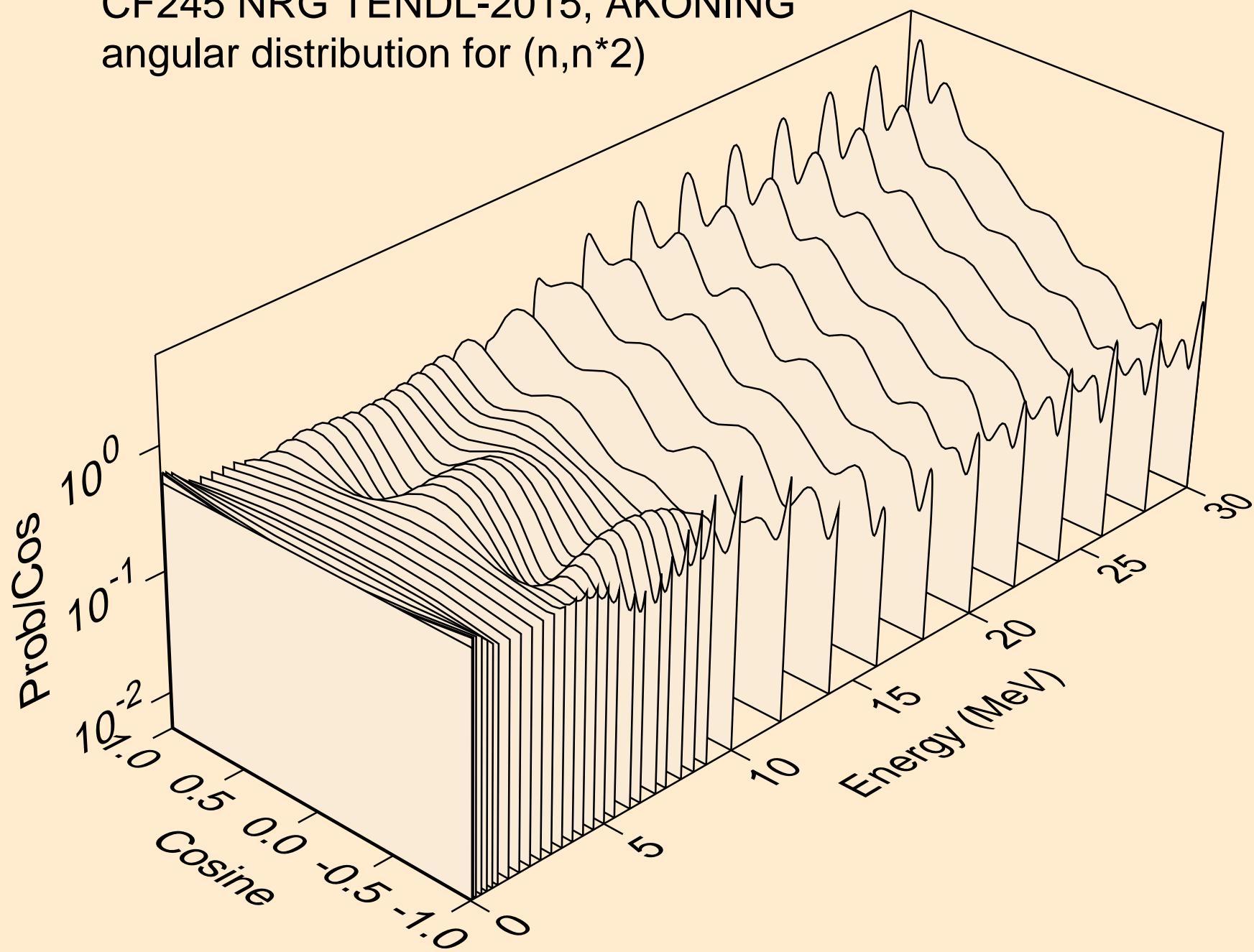
CF245 NRG TENDL-2015, AKONING  
angular distribution for elastic



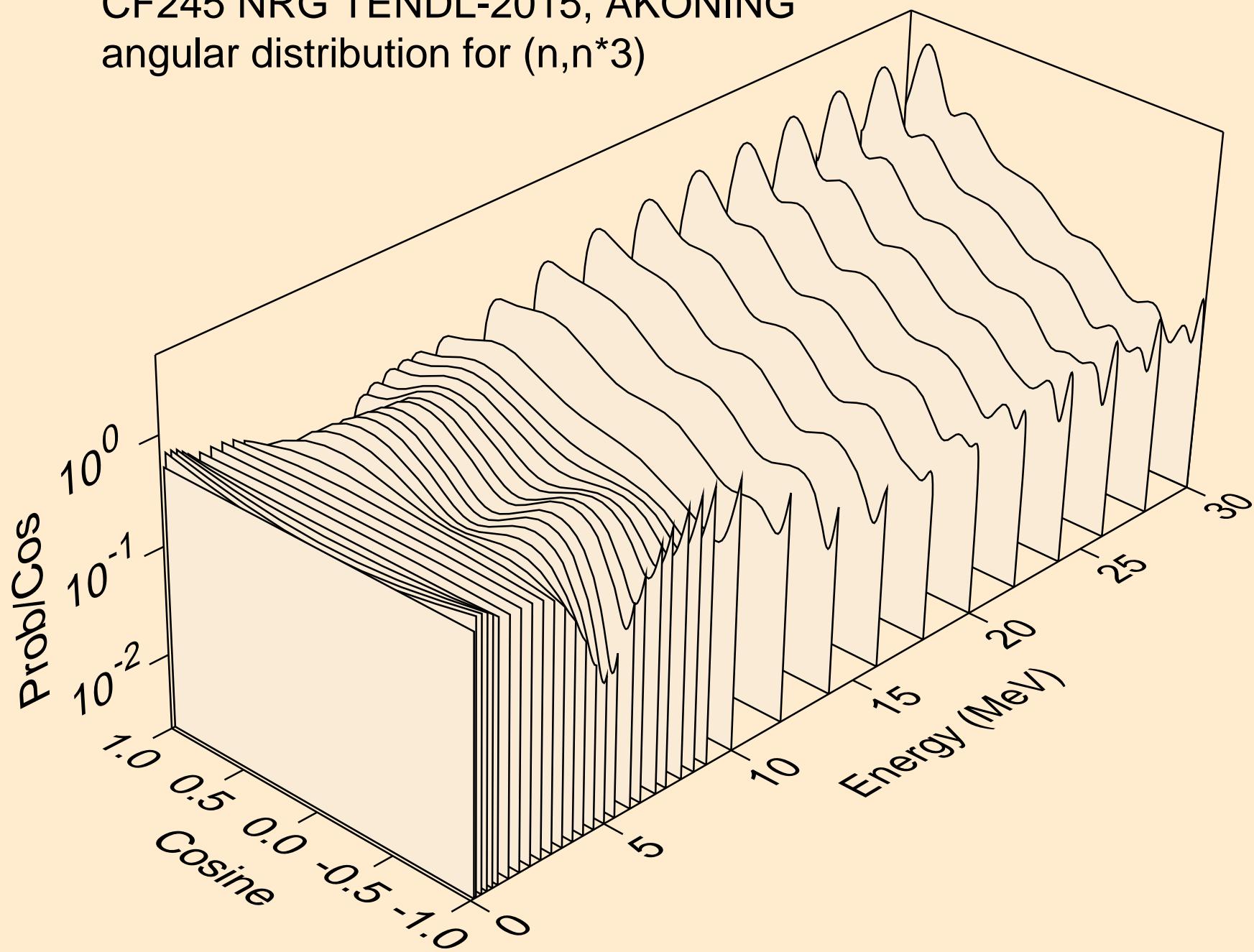
CF245 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



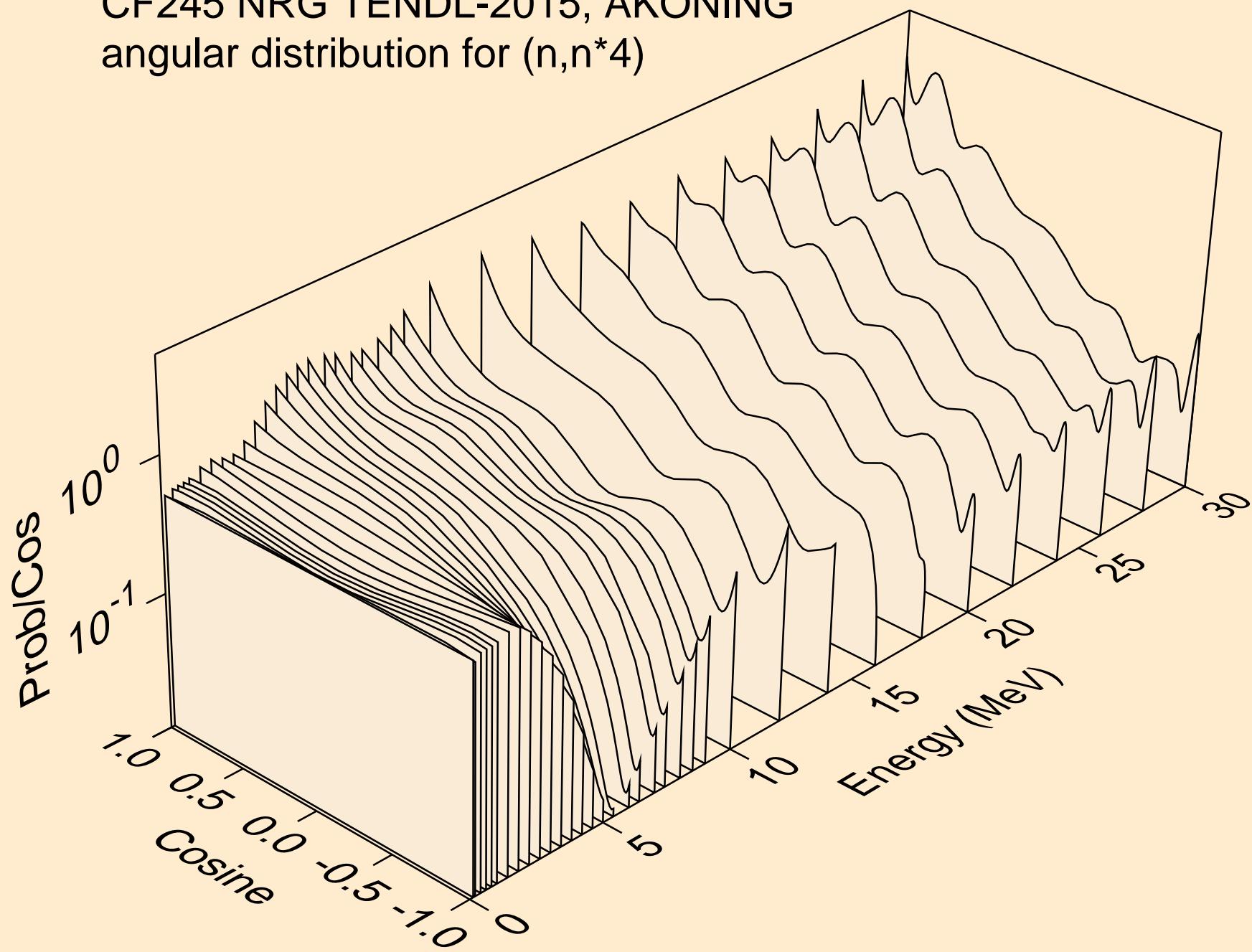
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*2)$



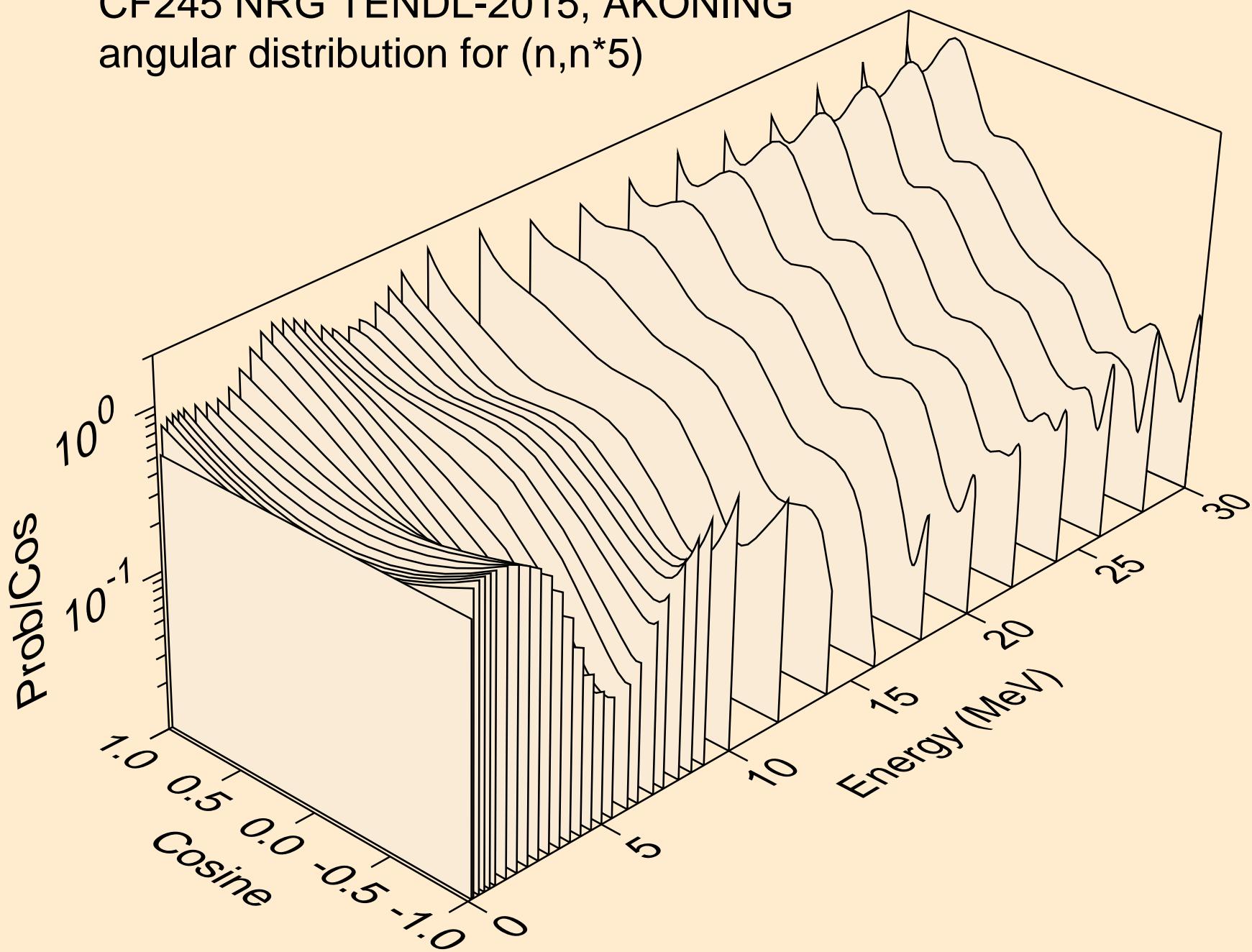
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



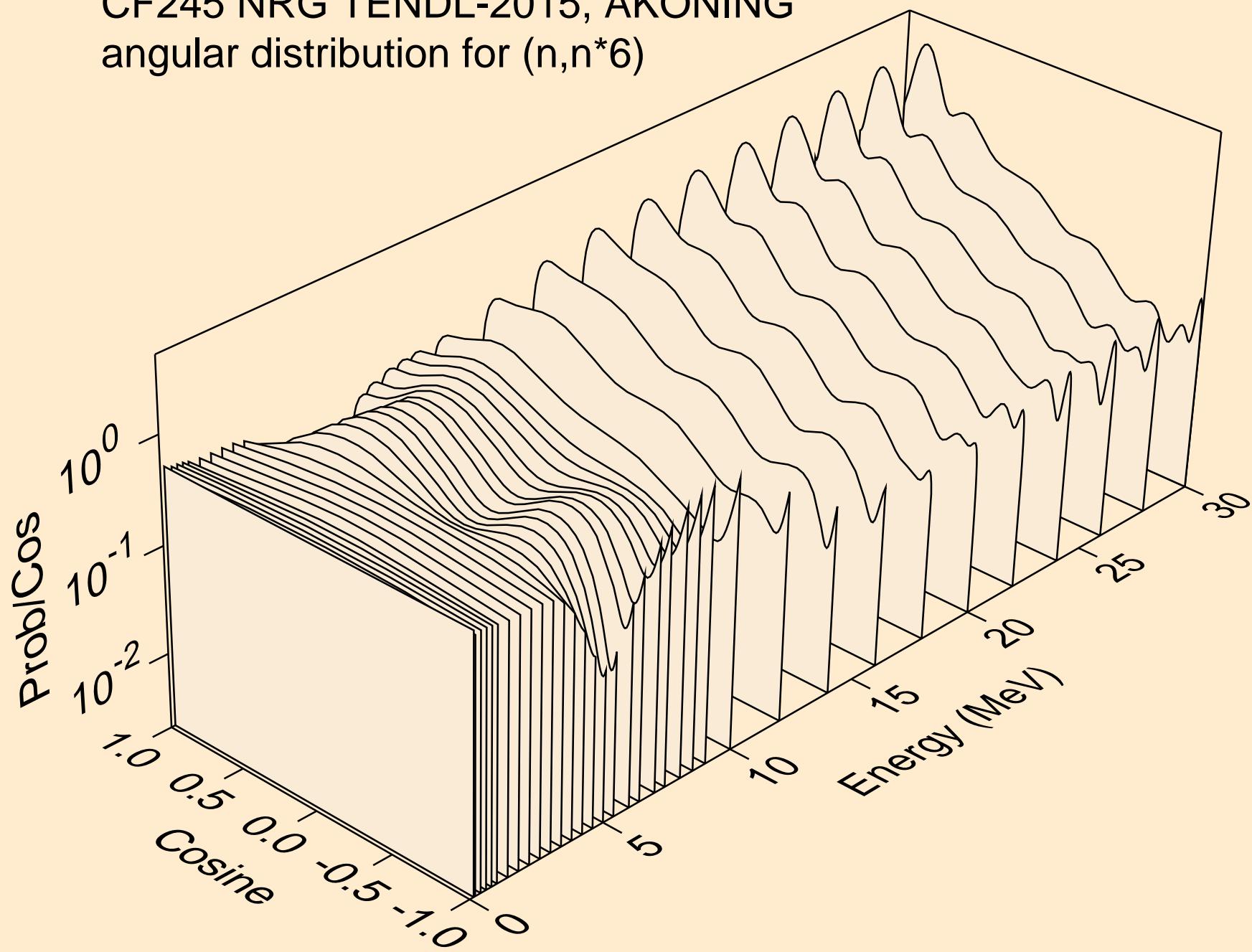
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



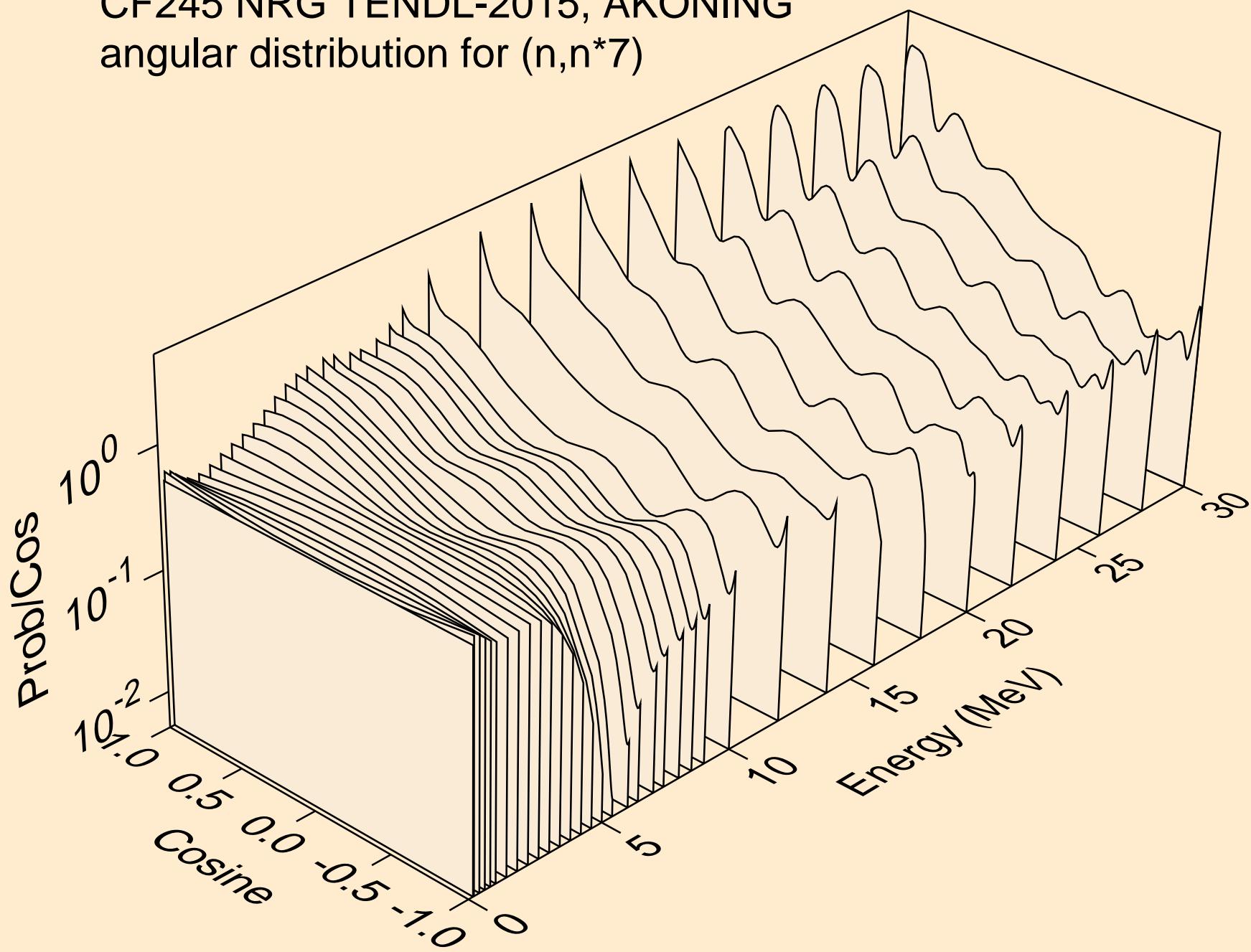
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



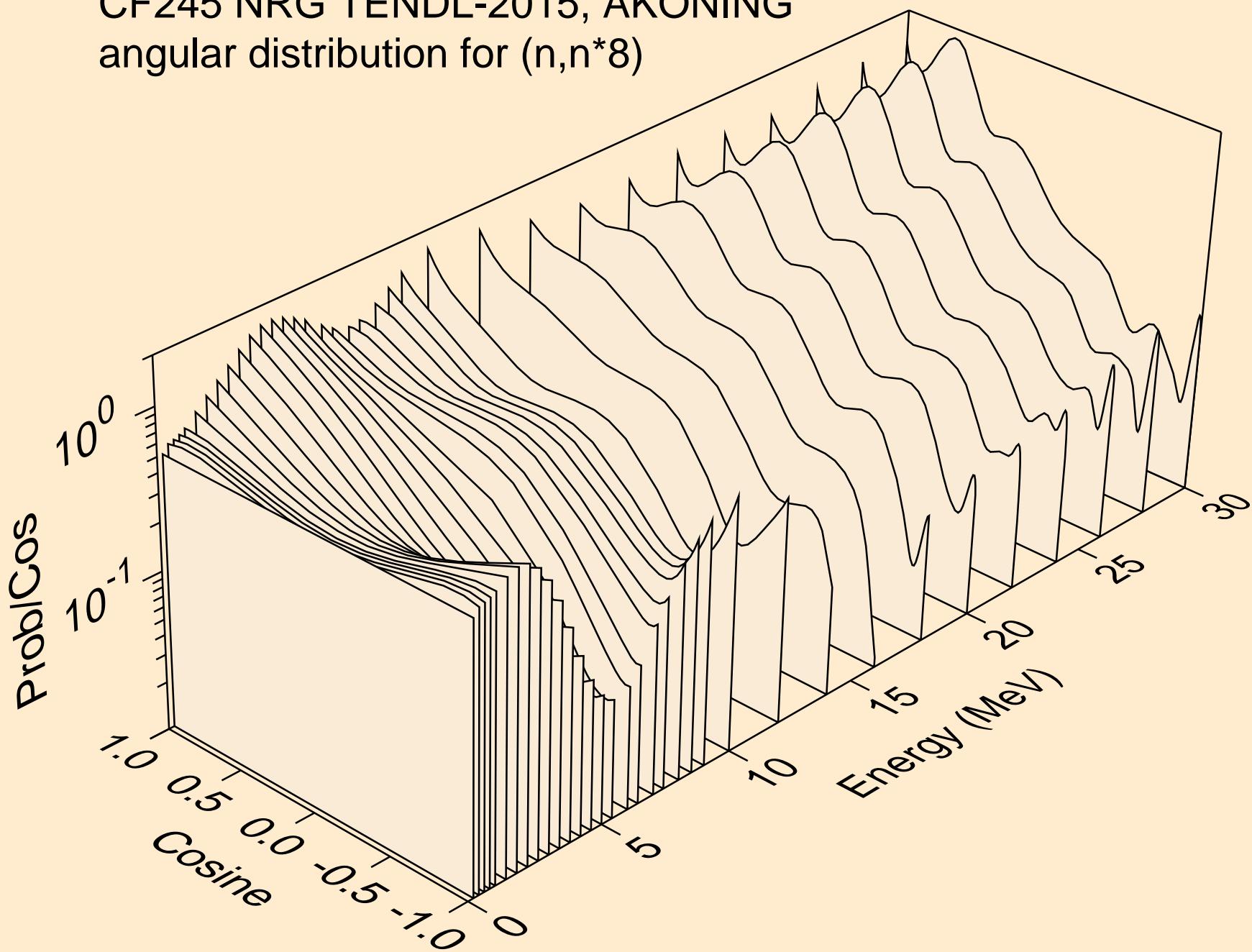
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



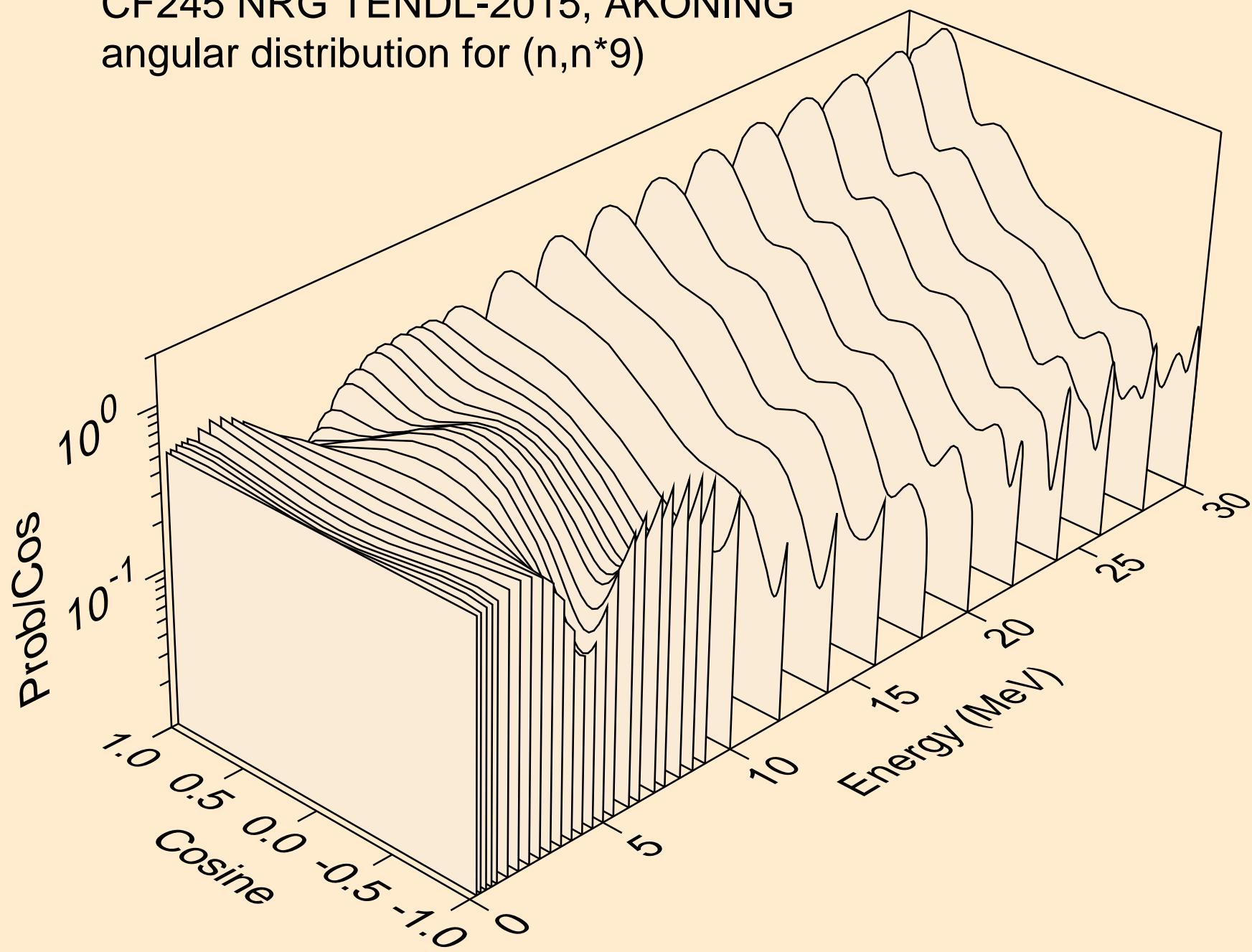
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)7$



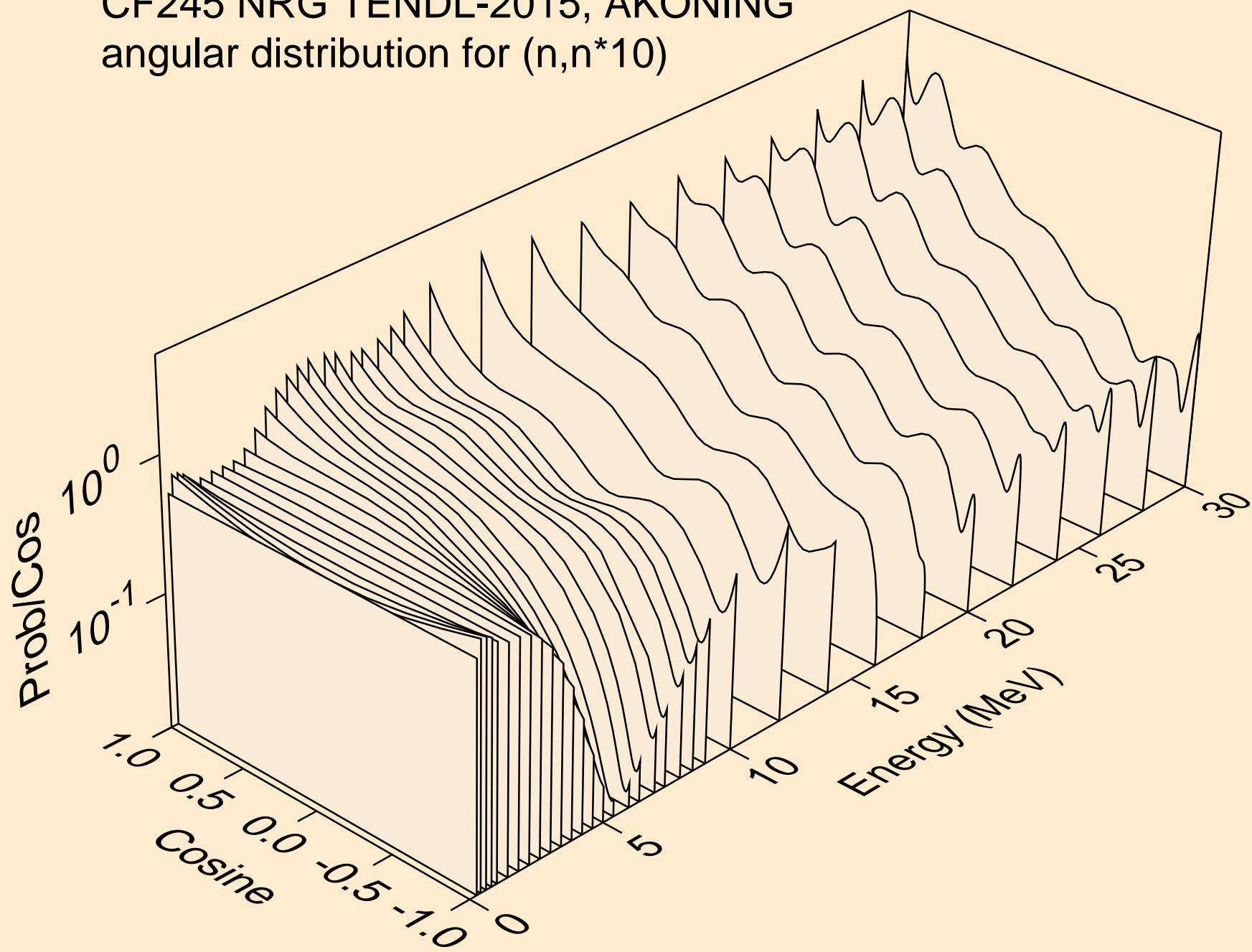
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



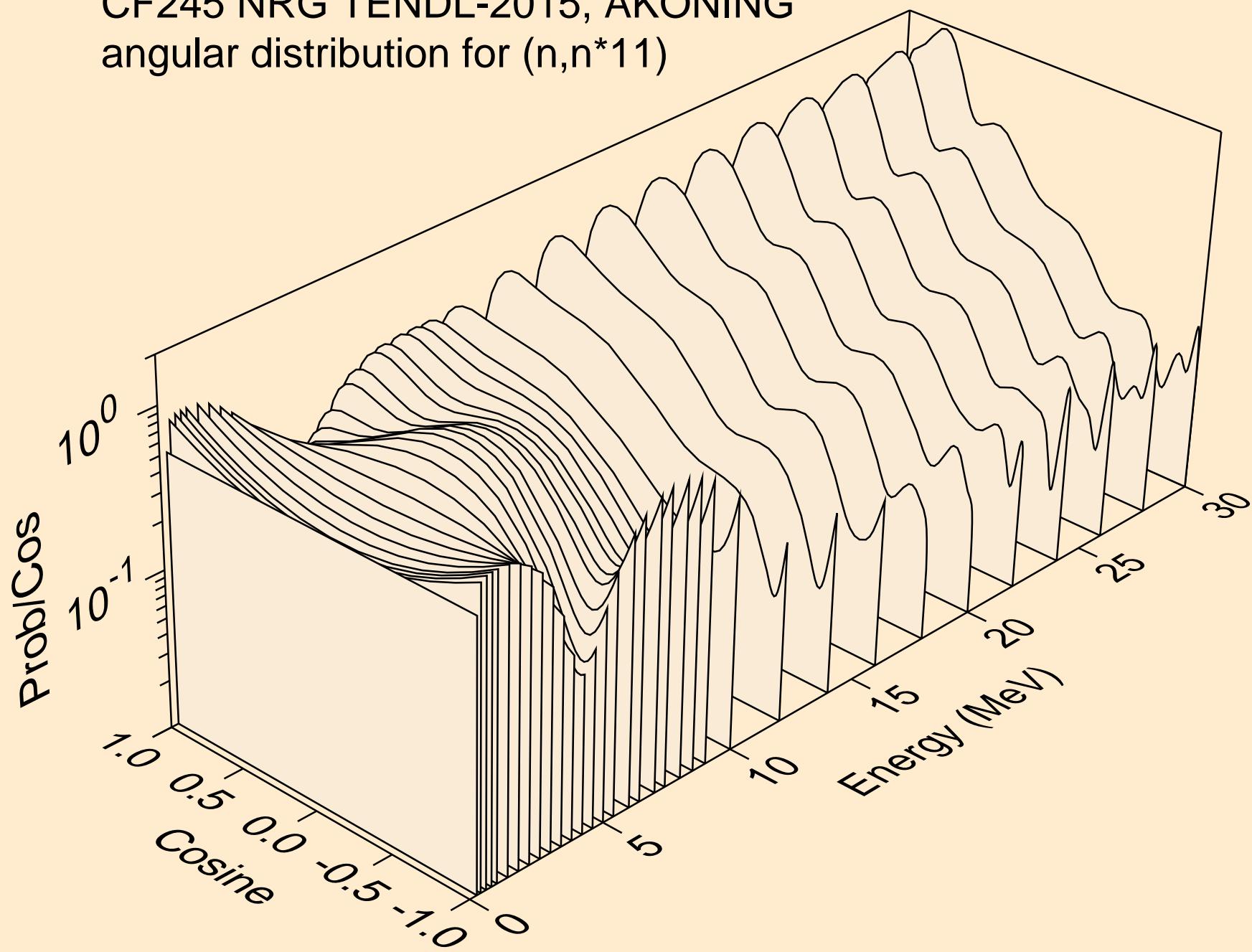
CF245 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



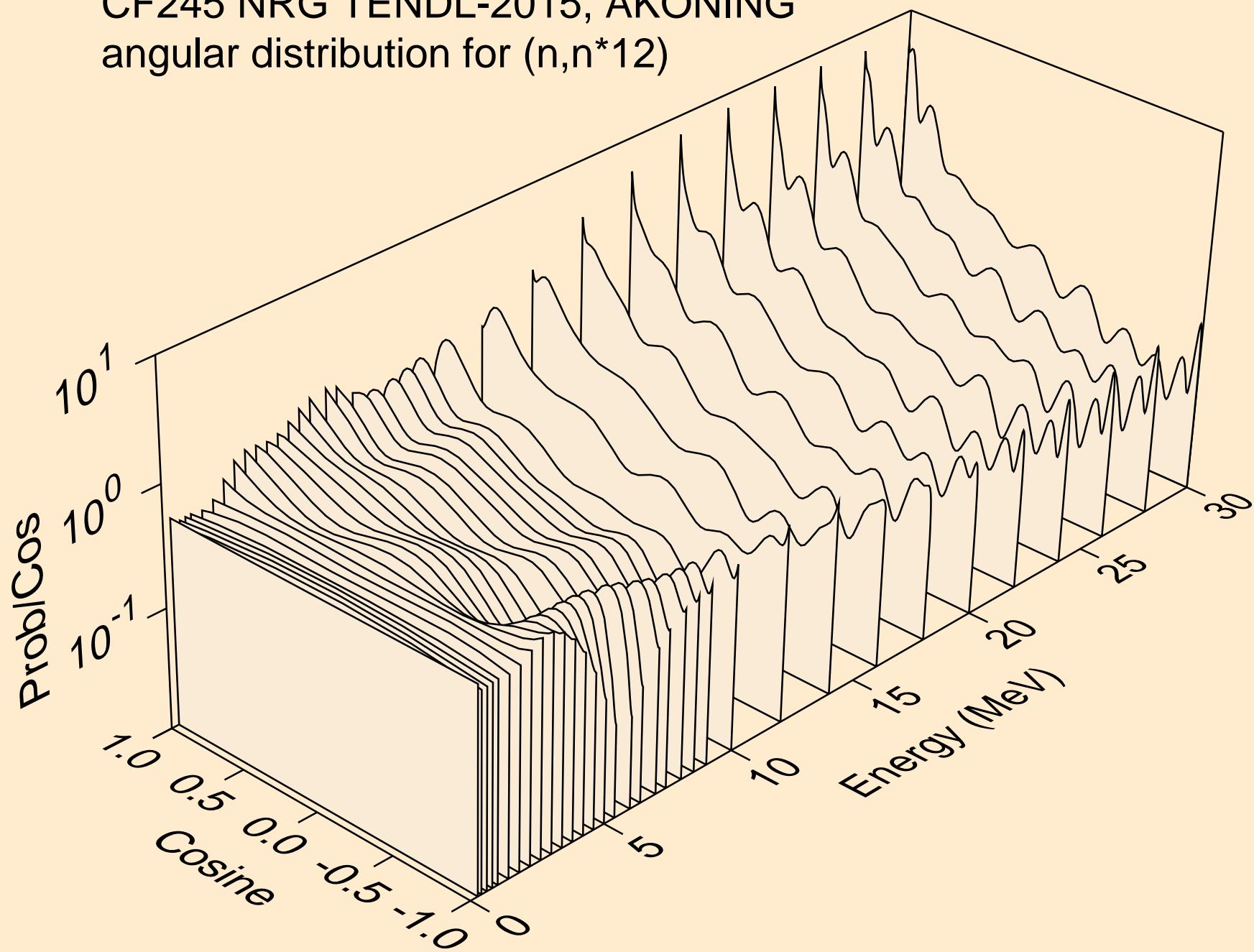
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*10)$



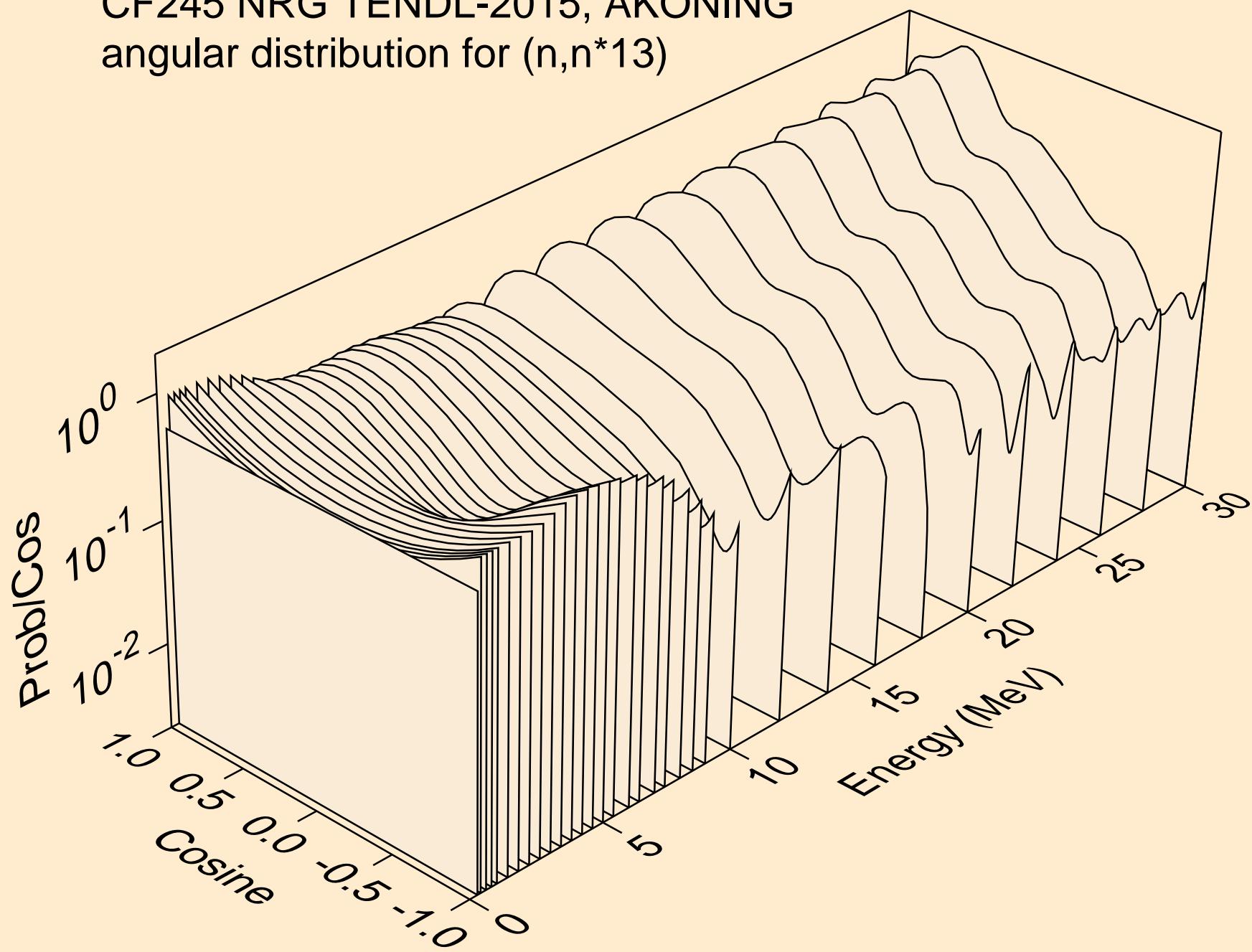
CF245 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



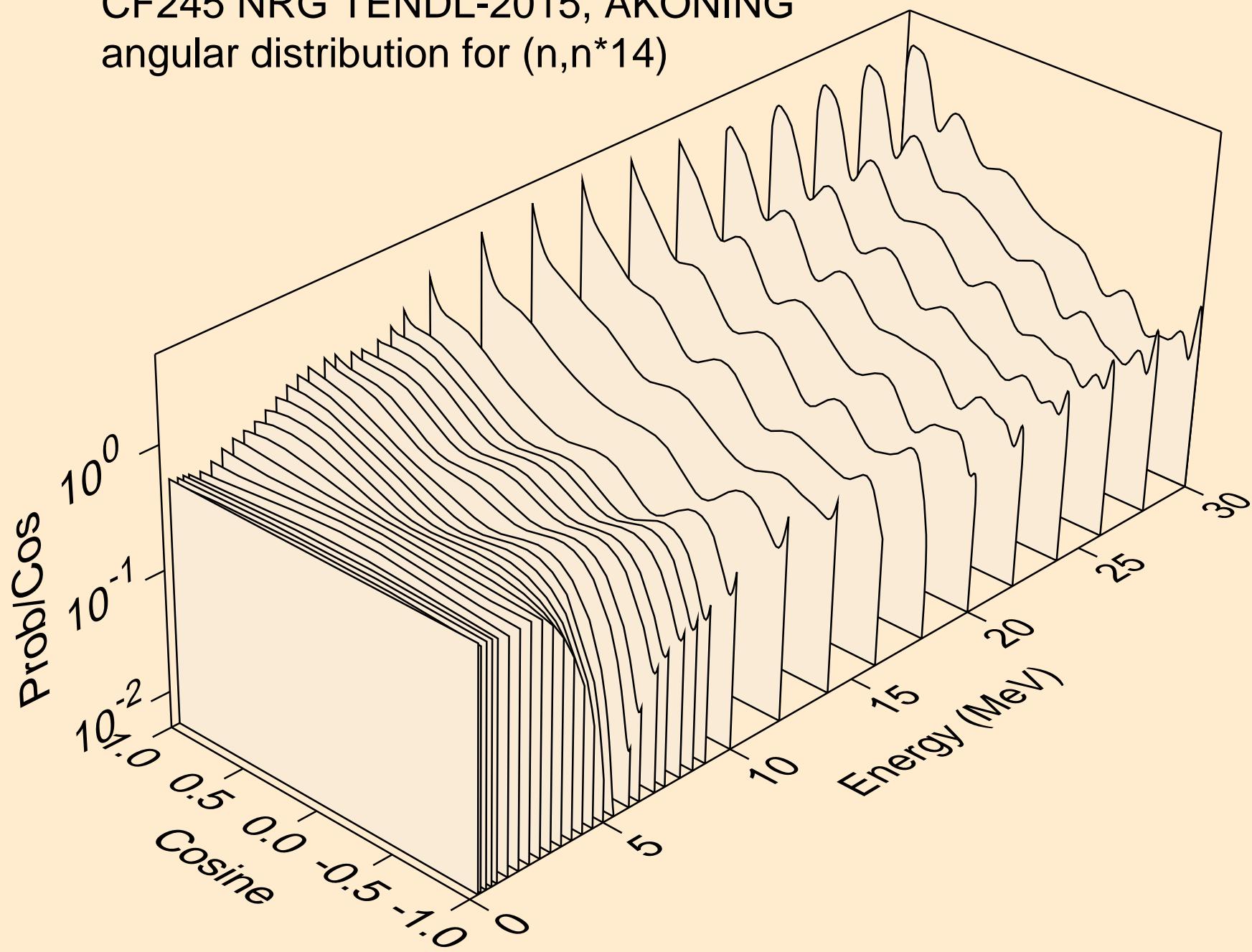
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*12)$



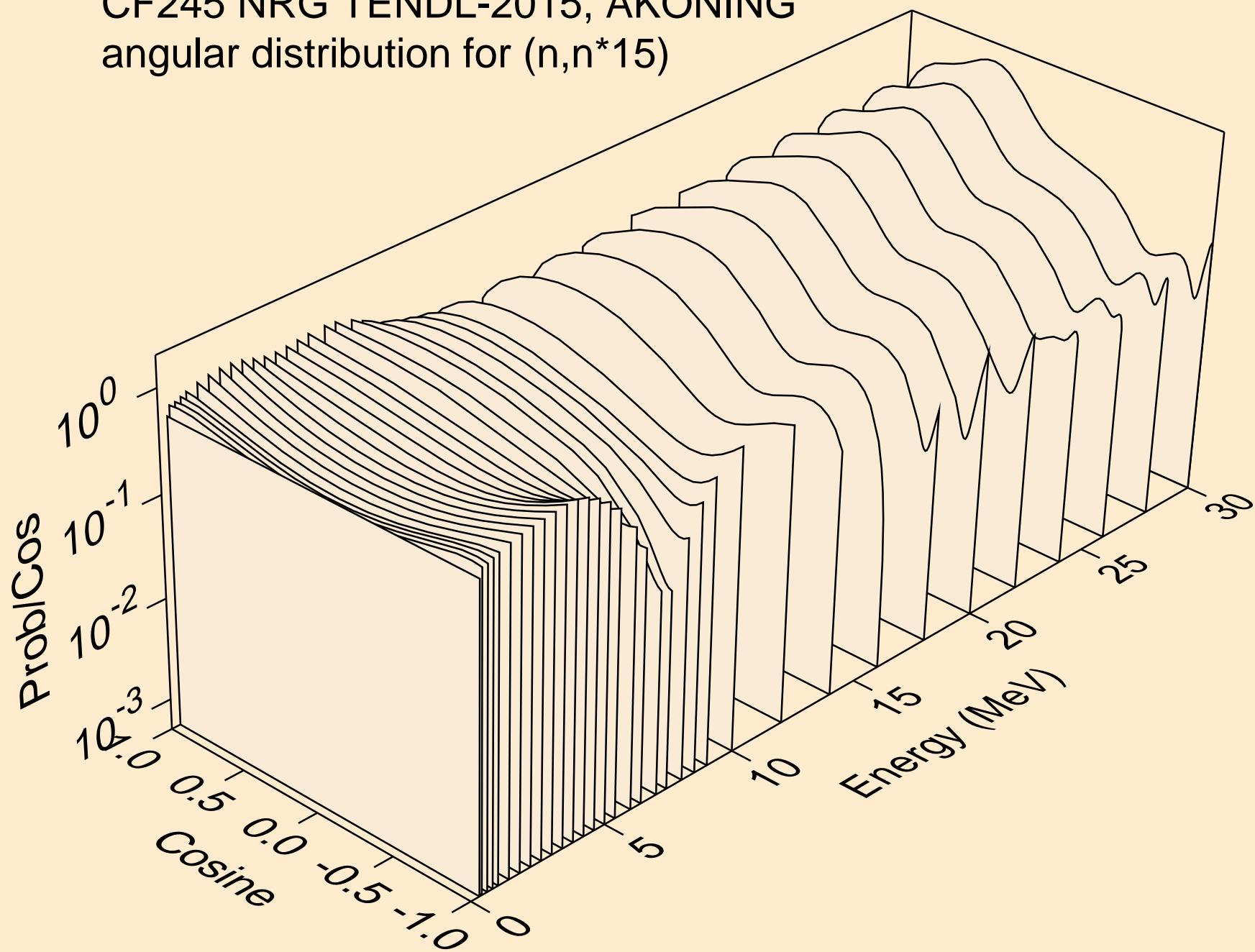
CF245 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



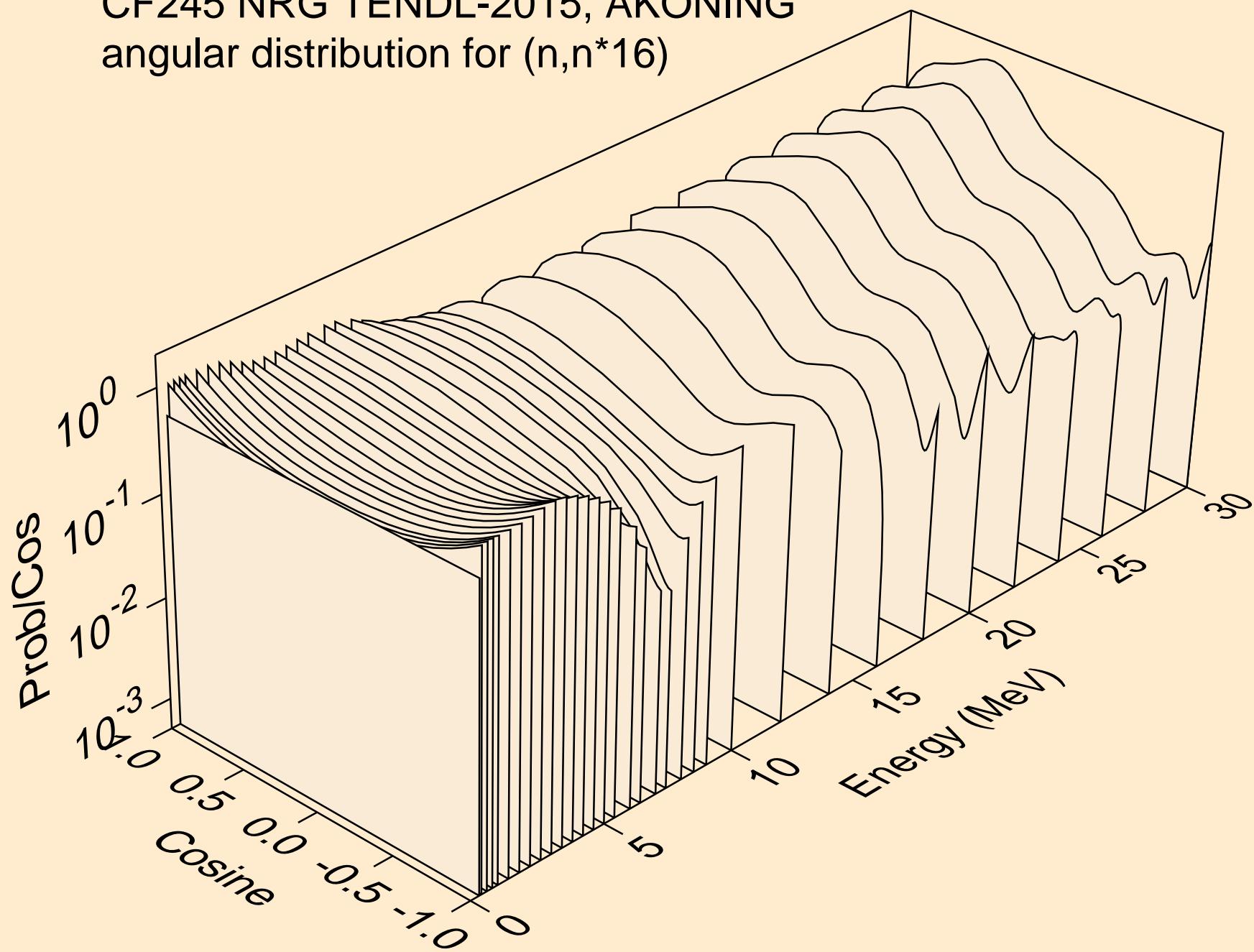
CF245 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



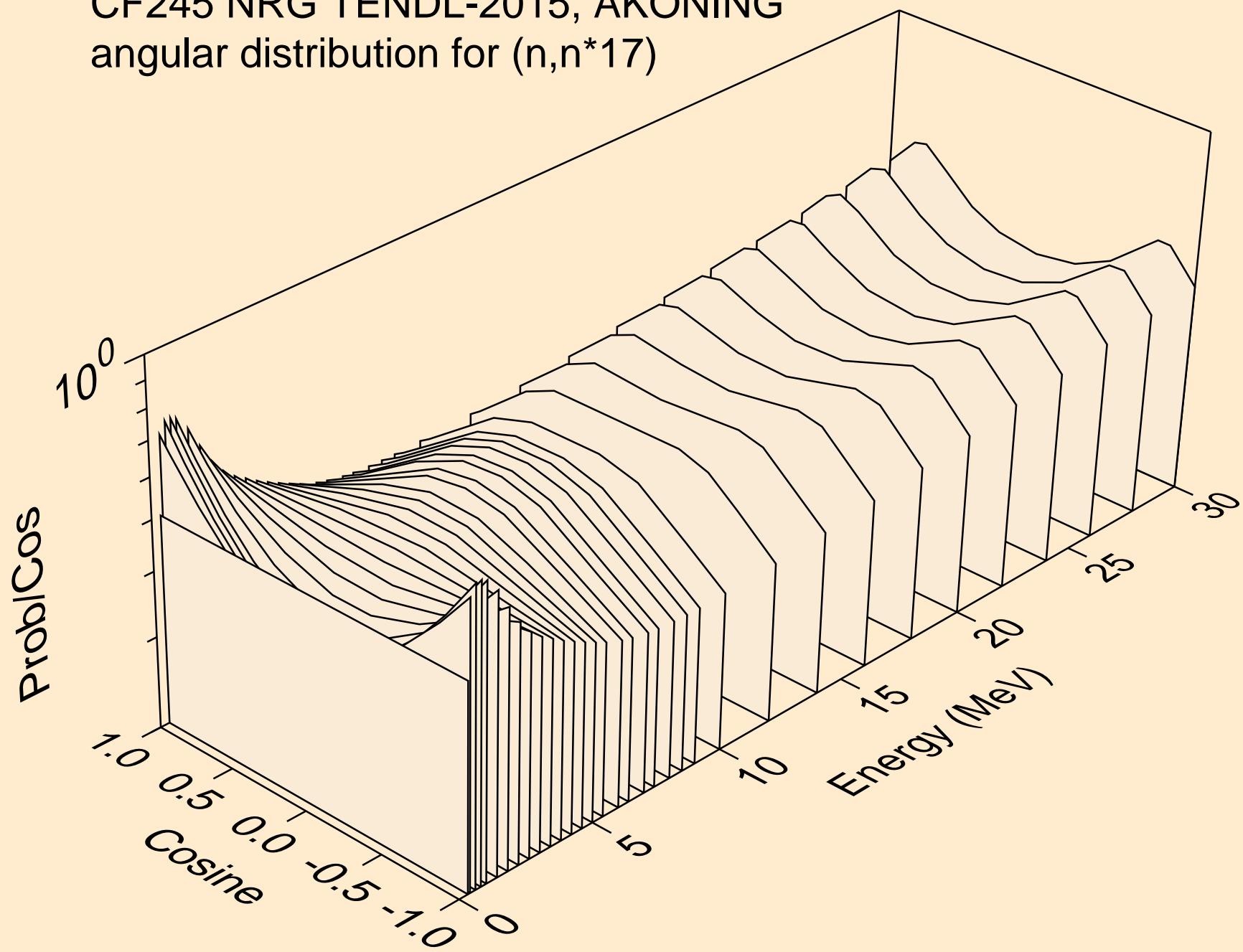
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angular distribution for  $(n,n^*15)$



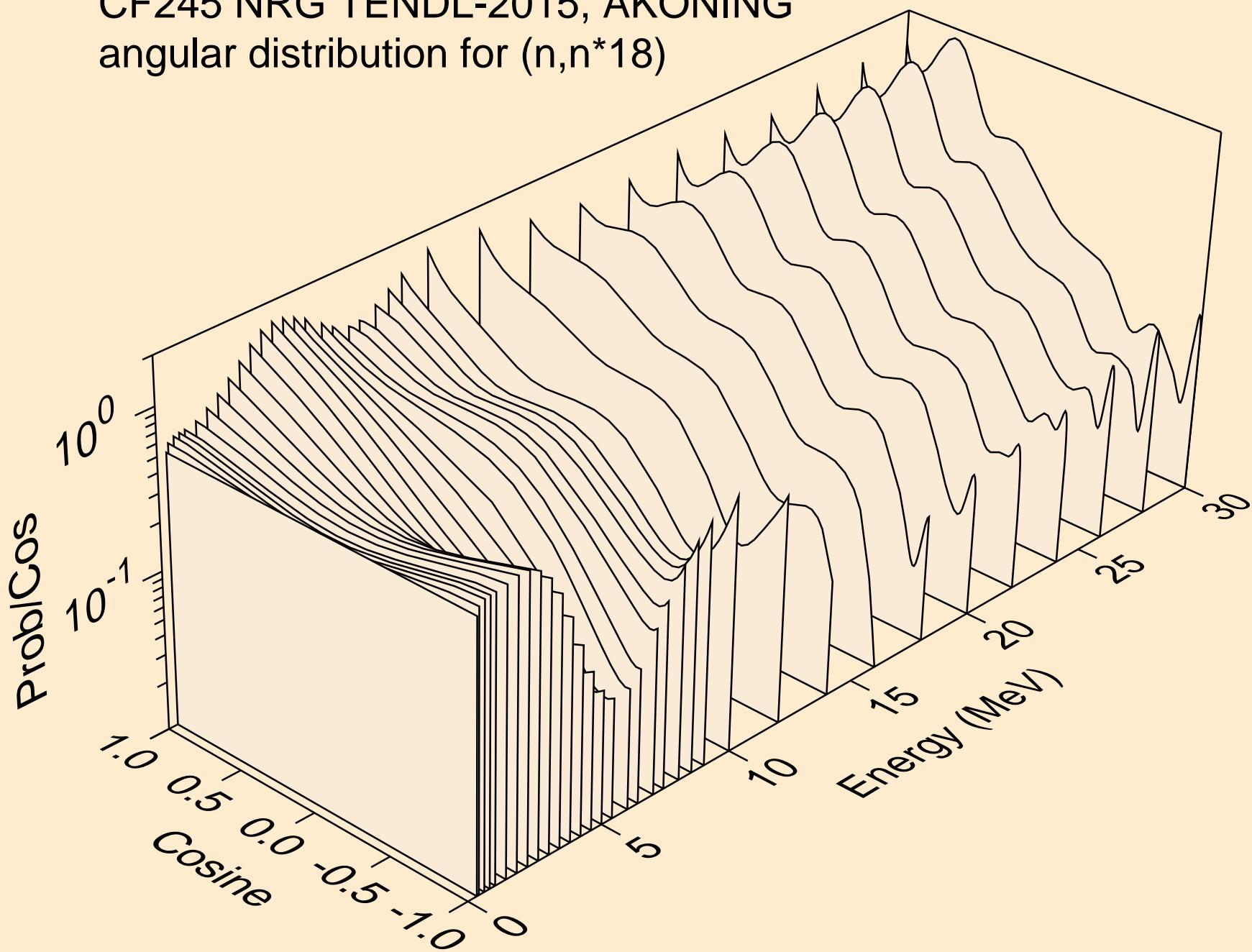
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angular distribution for (n,n\*16)



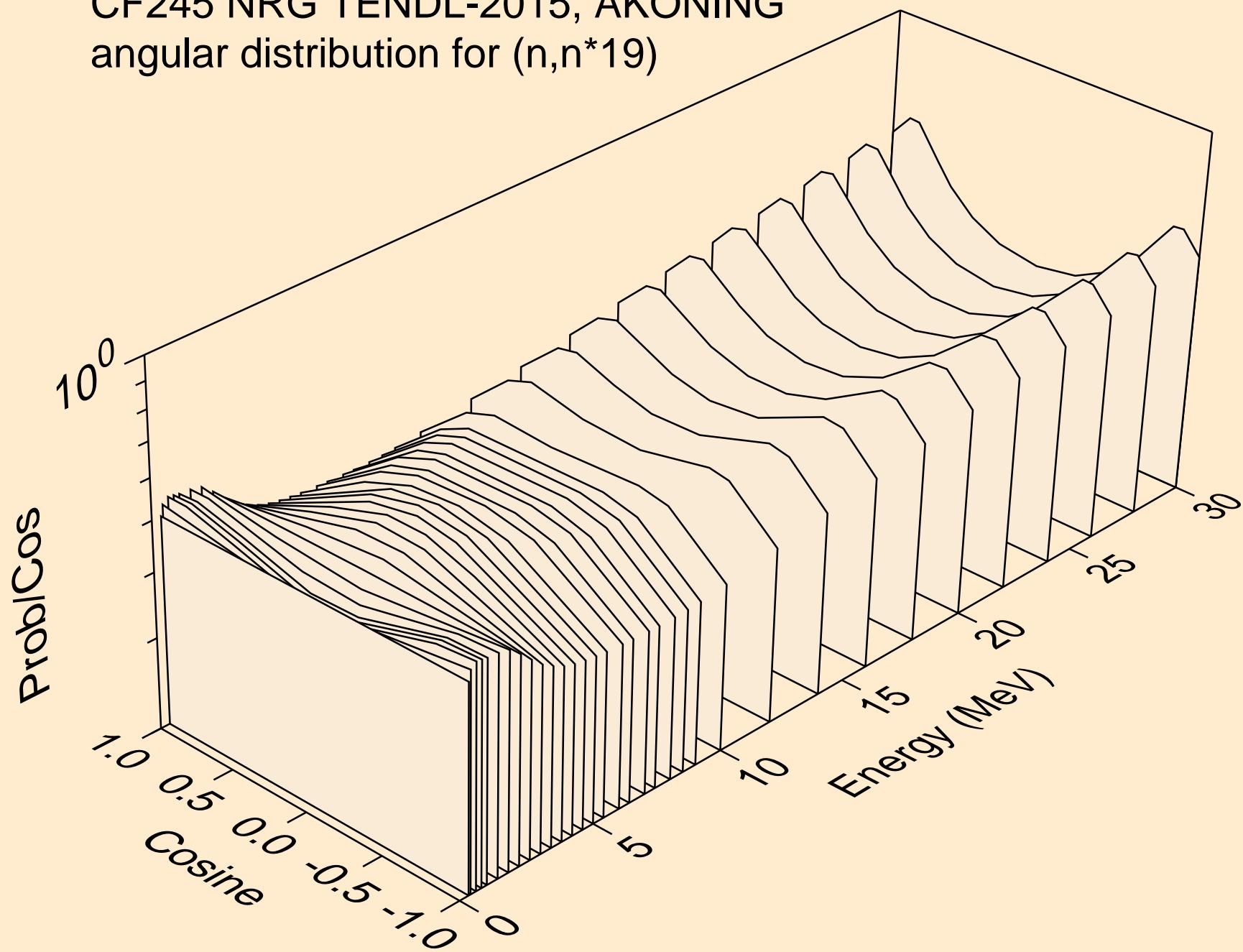
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angular distribution for (n,n\*17)



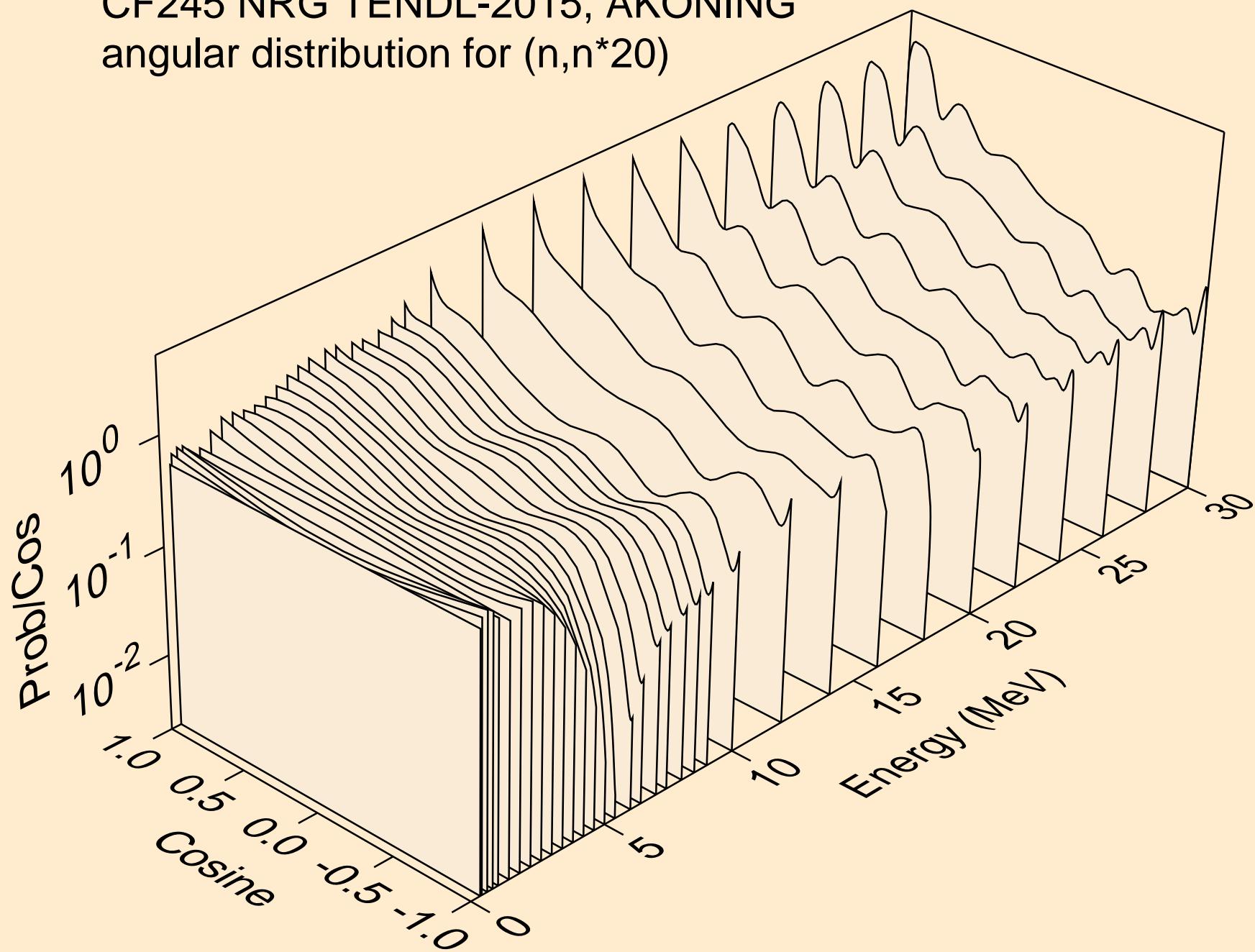
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angular distribution for (n,n\*18)



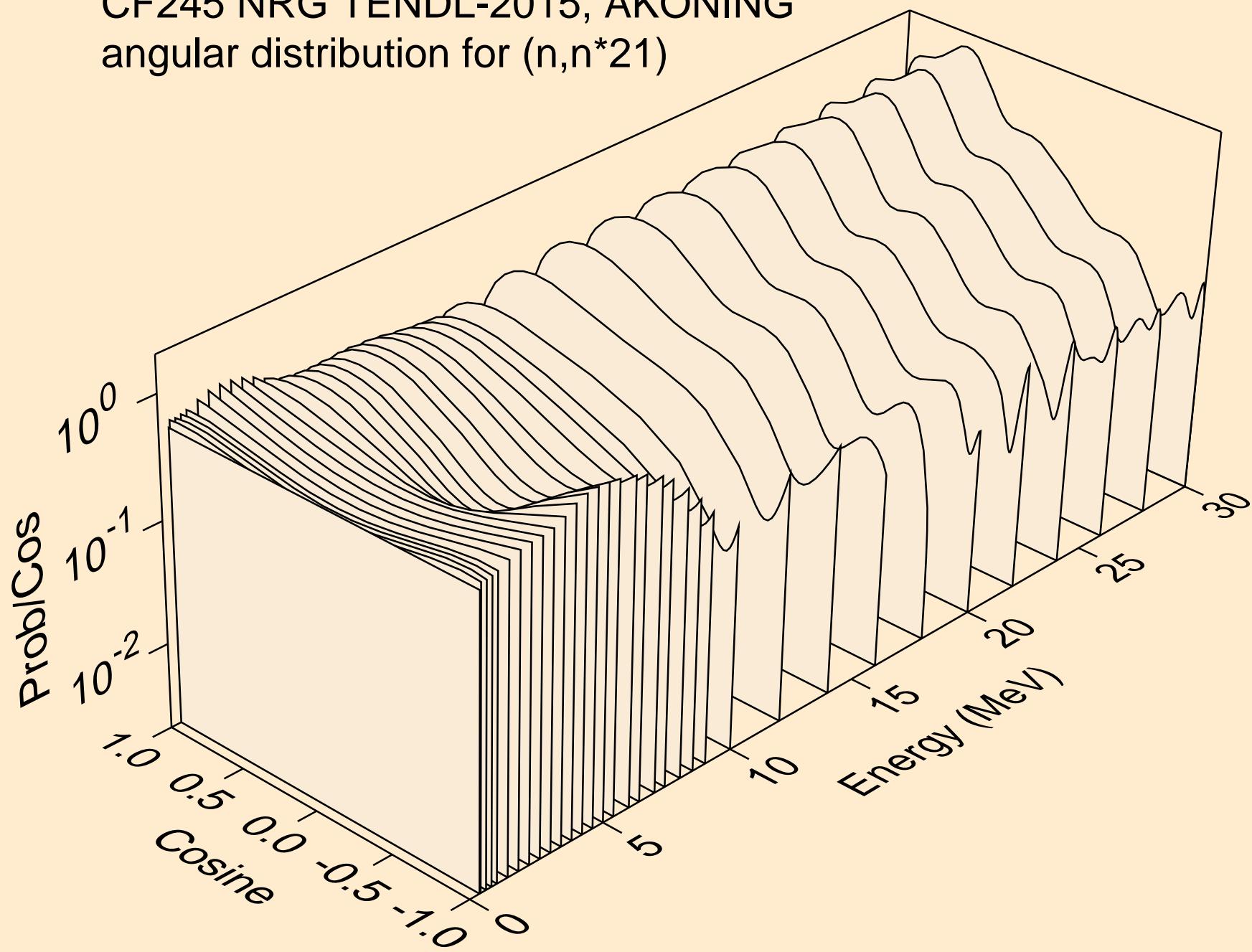
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angular distribution for (n,n\*19)



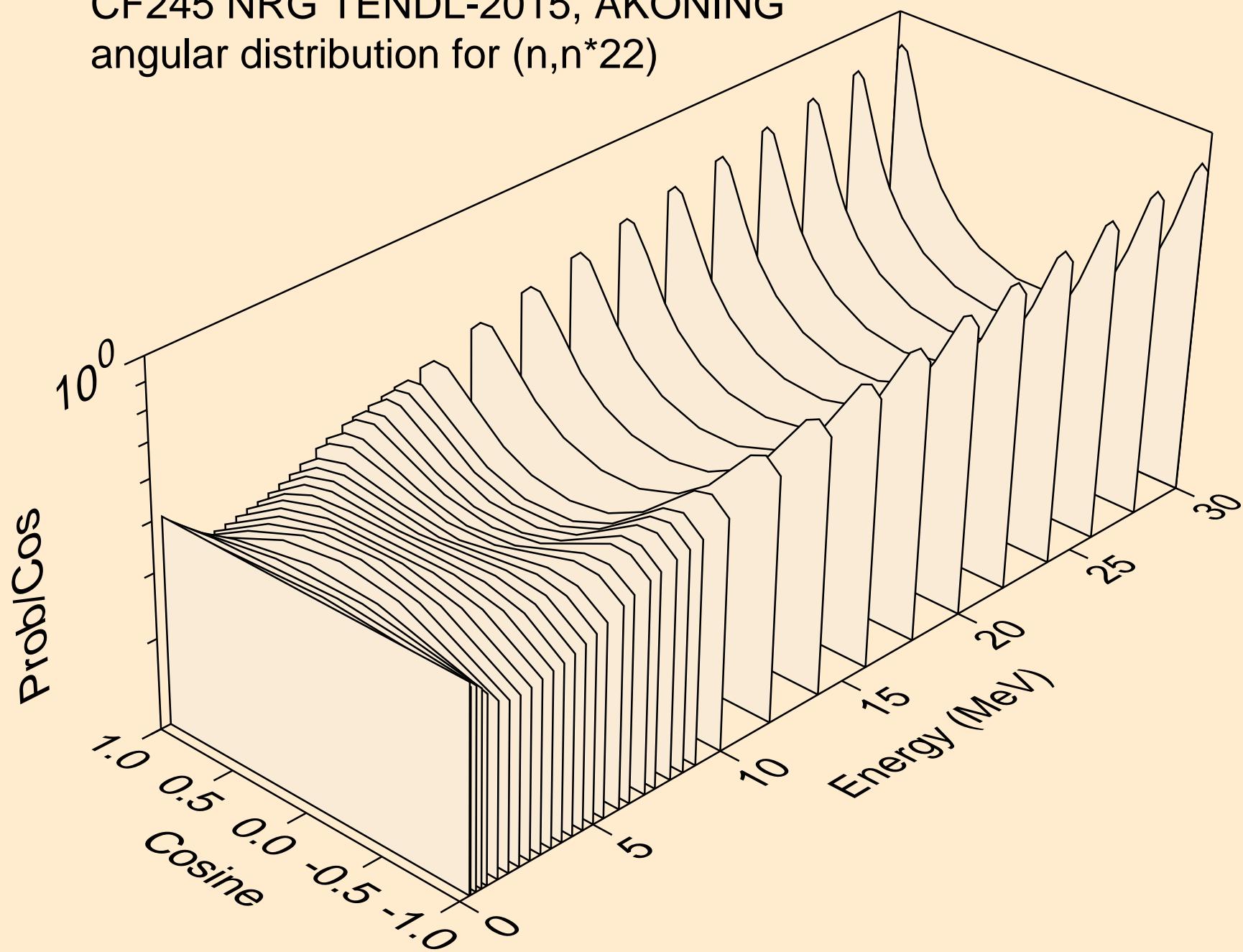
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{20}$



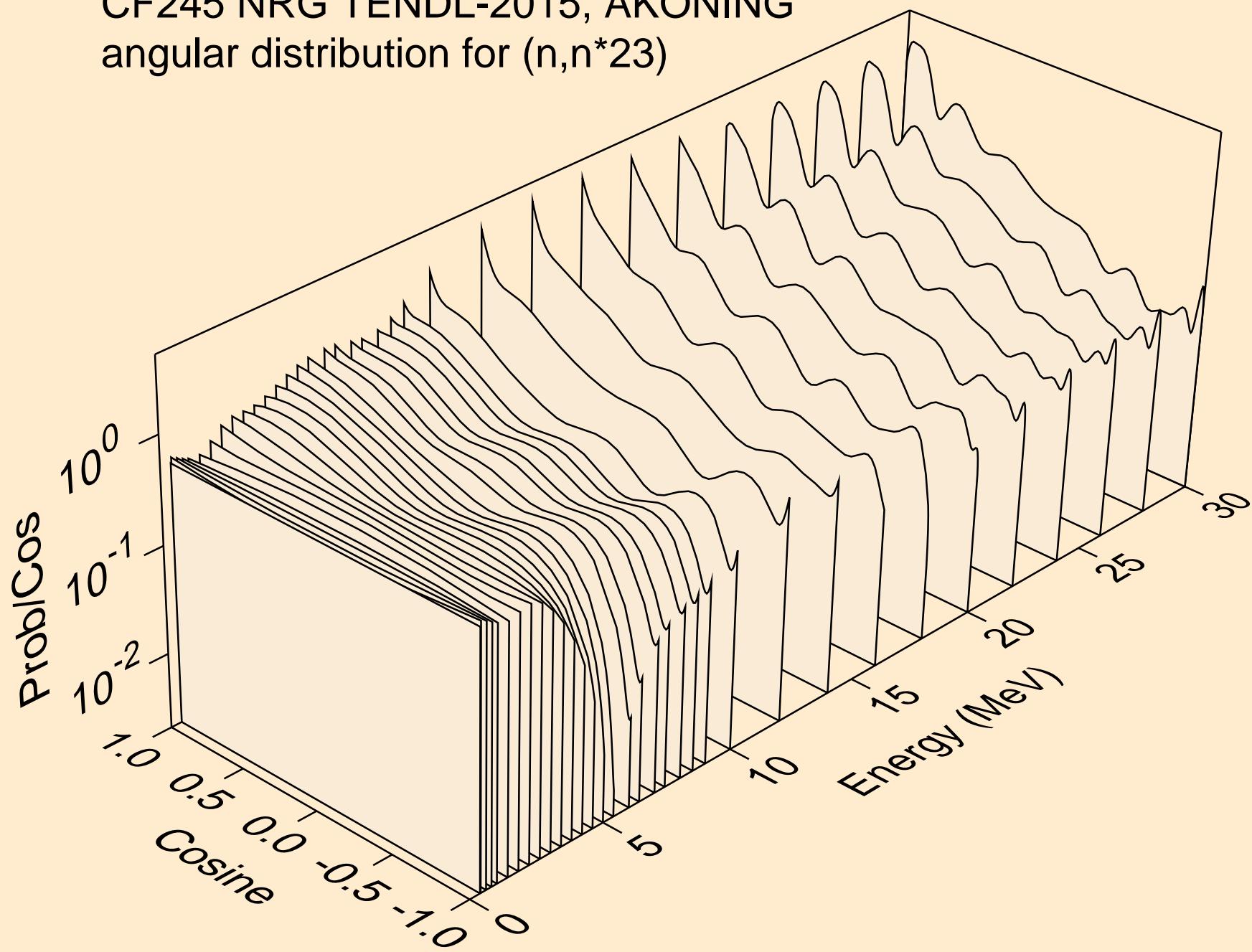
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*21)$



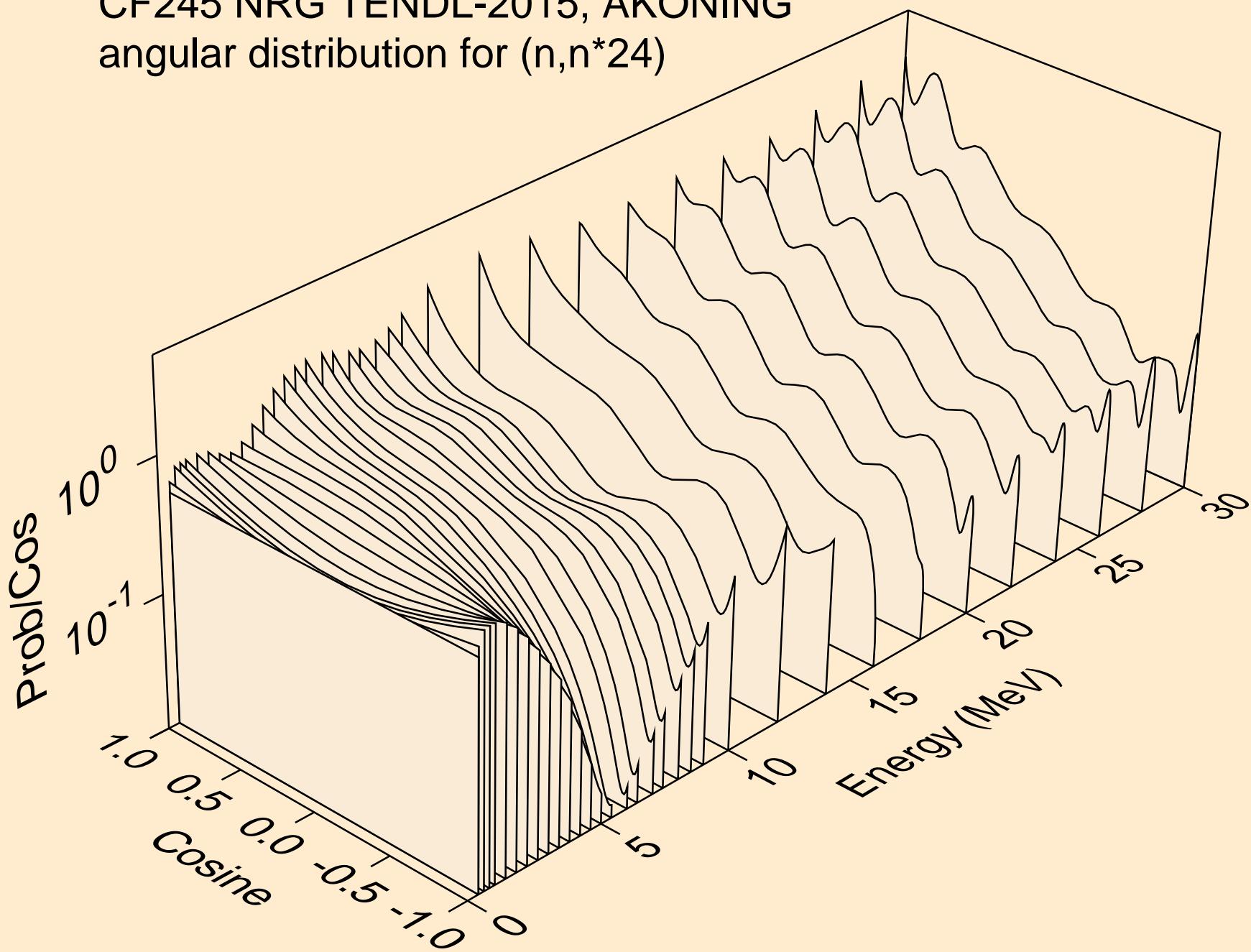
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angular distribution for (n,n\*22)



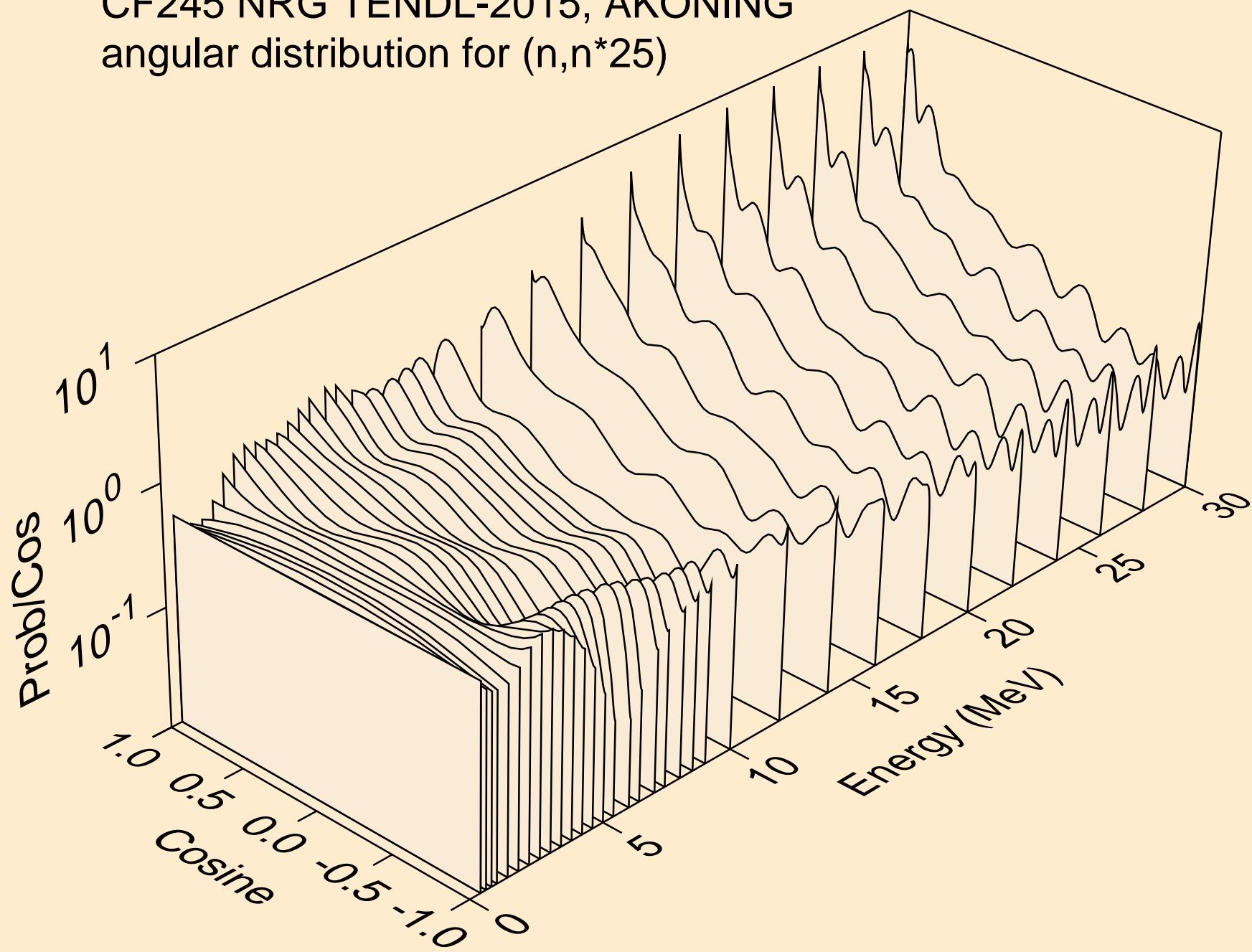
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angular distribution for (n,n\*23)



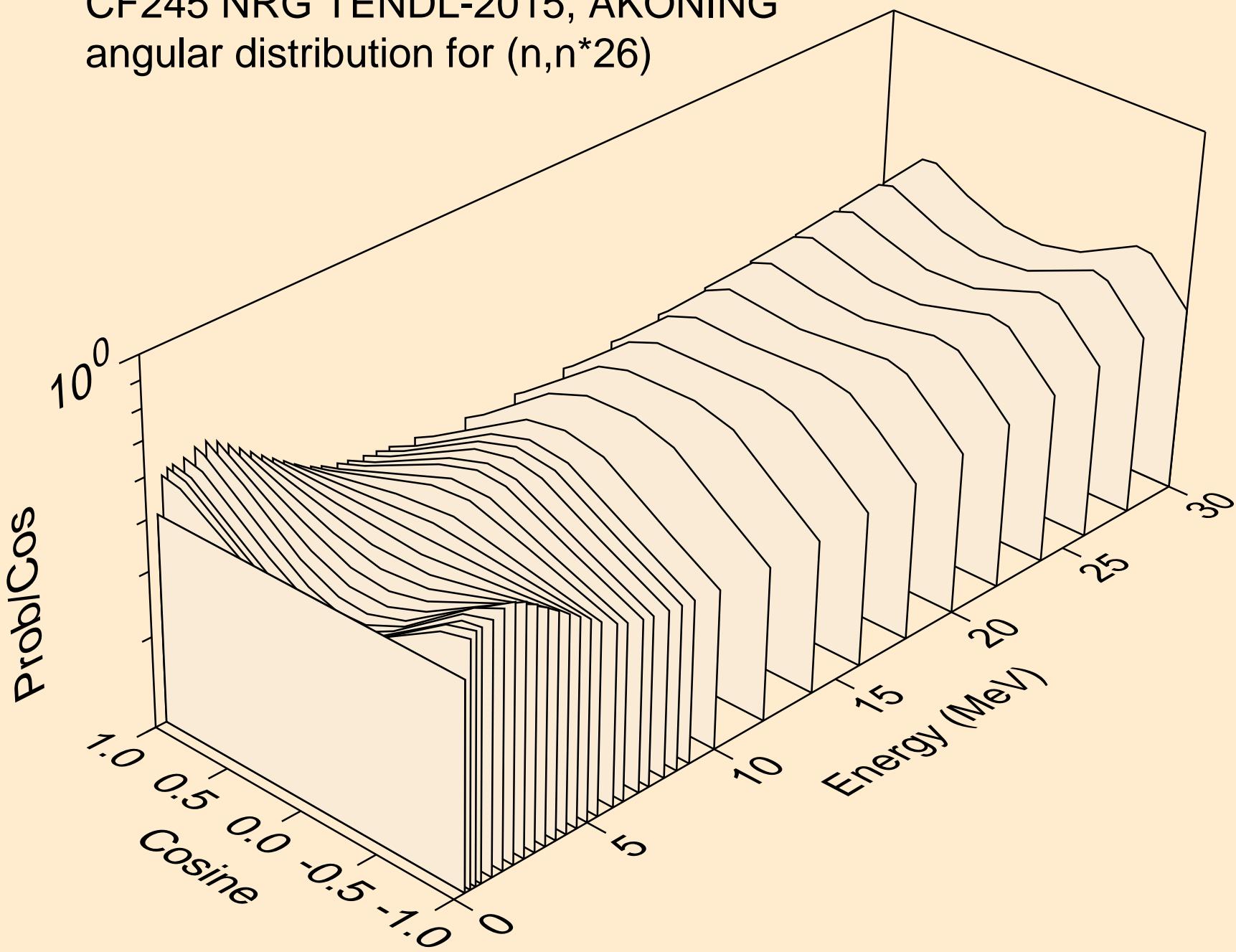
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{24}$



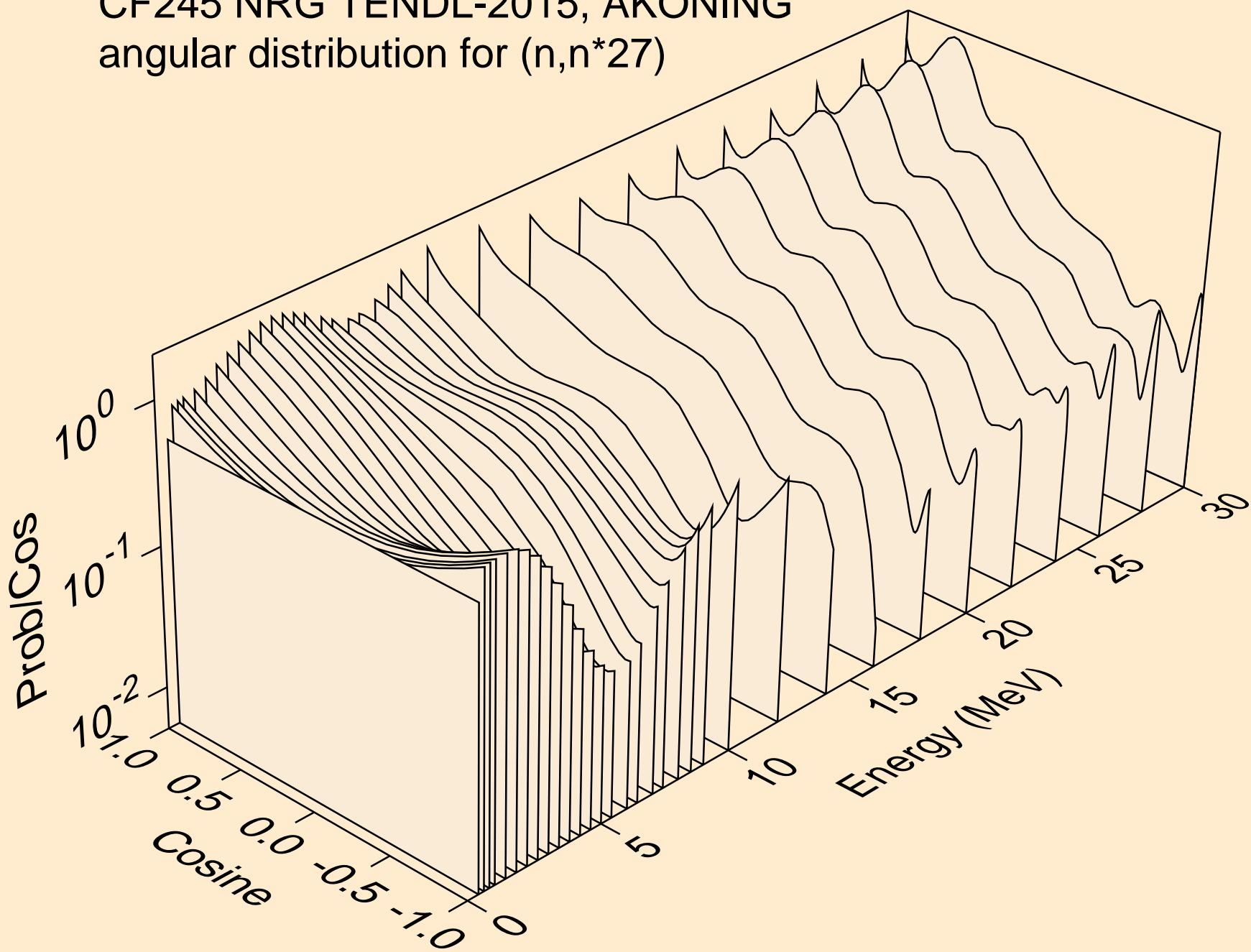
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angular distribution for (n,n\*25)



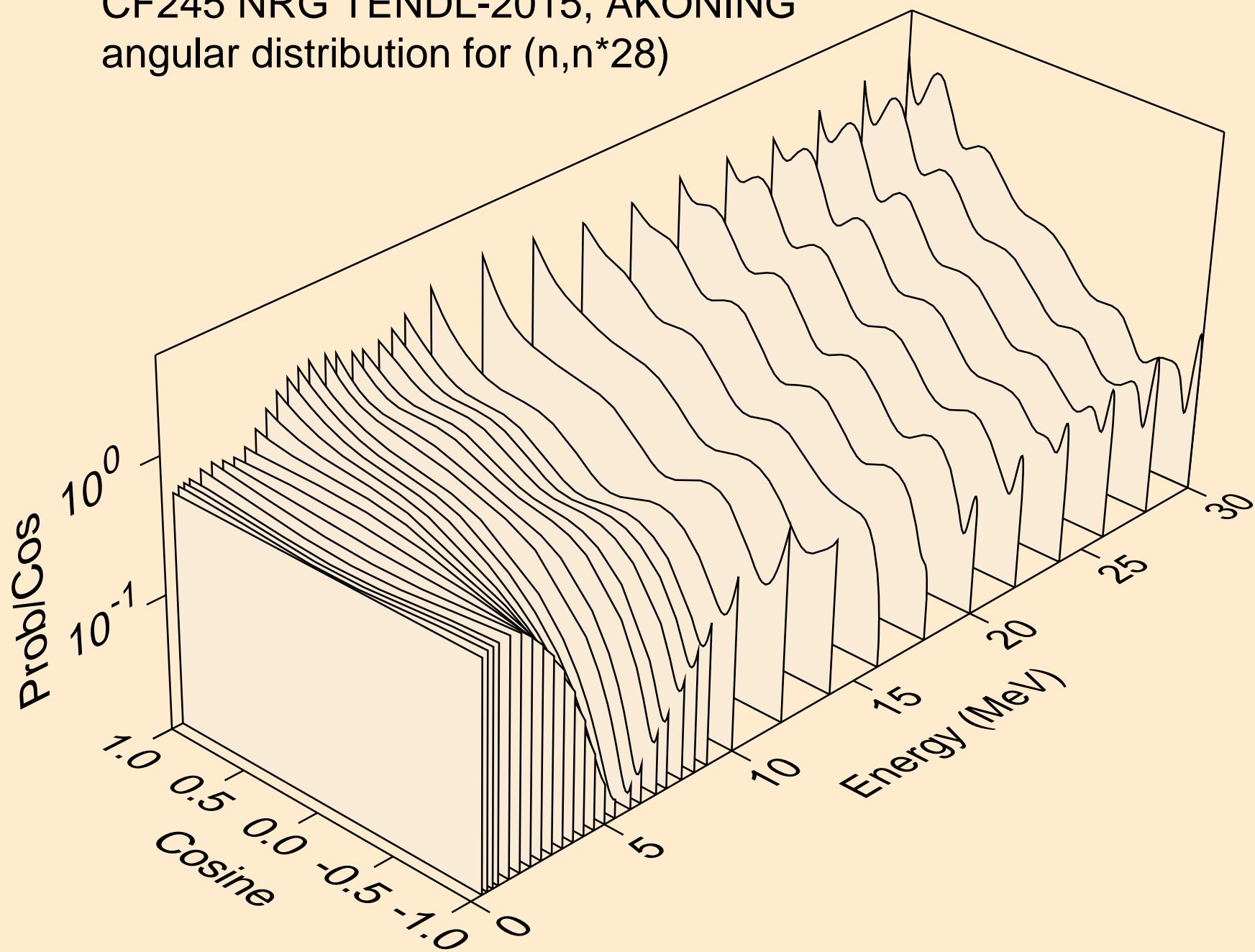
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angular distribution for (n,n\*26)



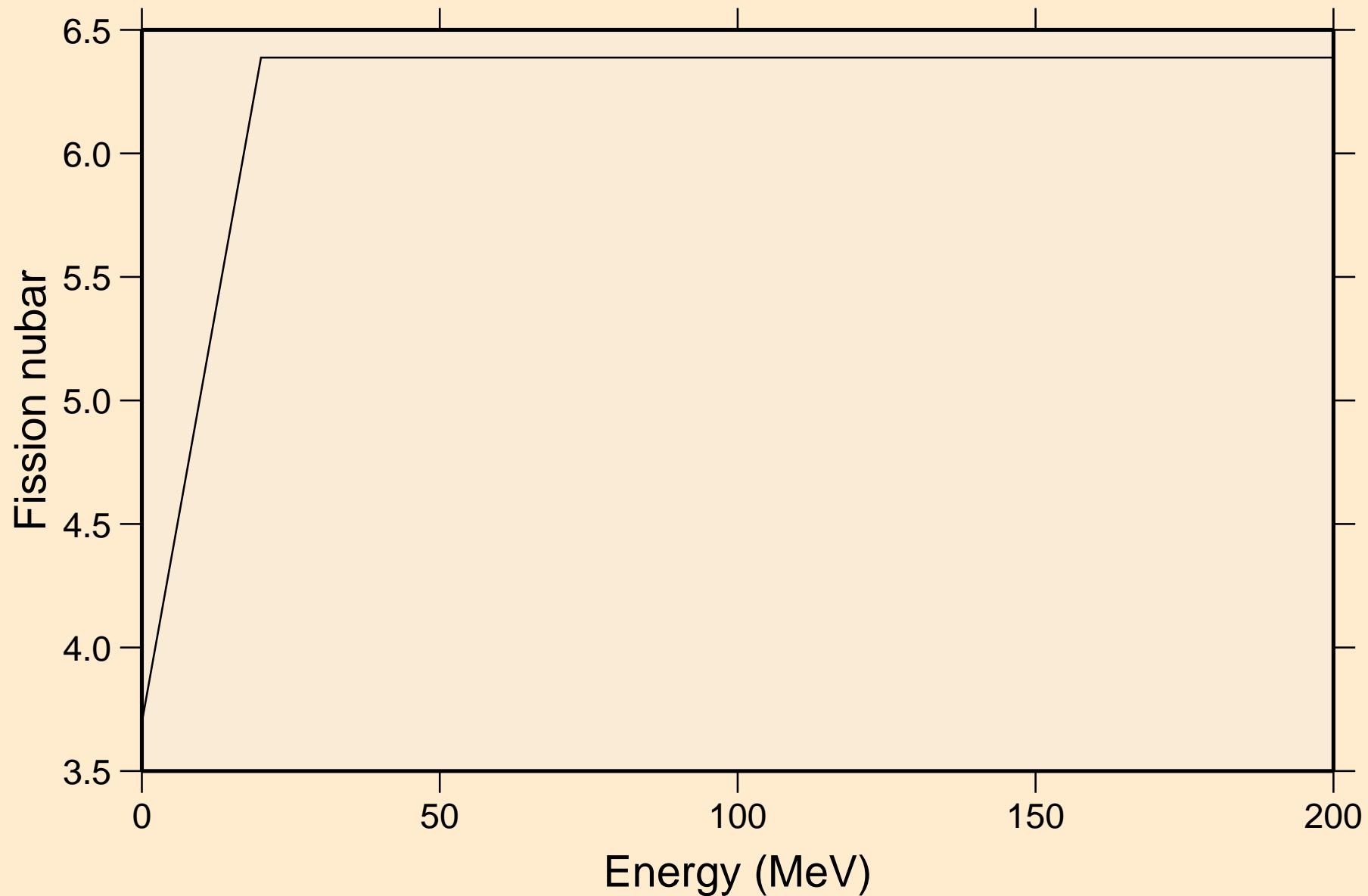
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angular distribution for  $(n,n^*27)$



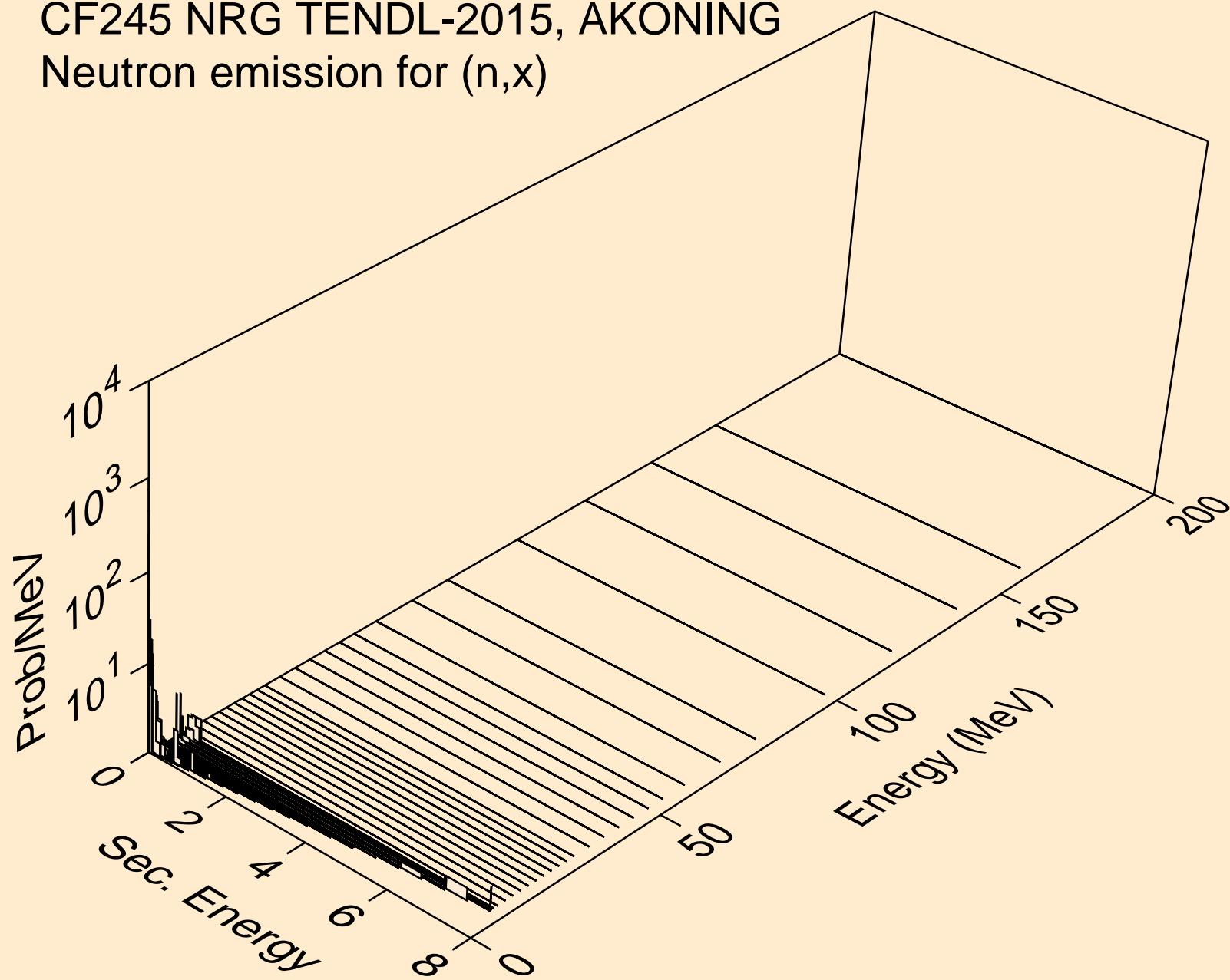
CF245 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{28}$



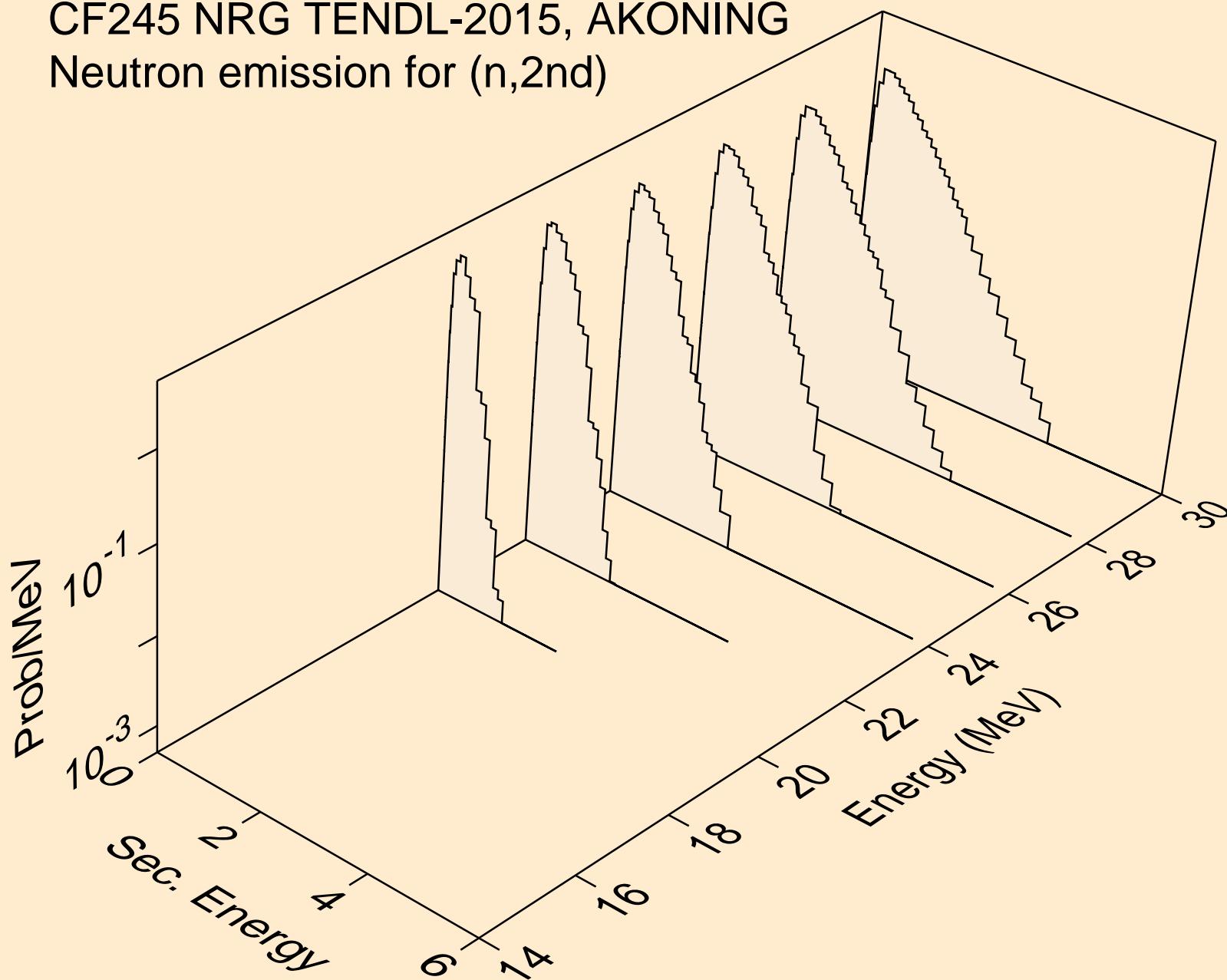
CF245 NRG TENDL-2015, AKONING  
Total fission nubar



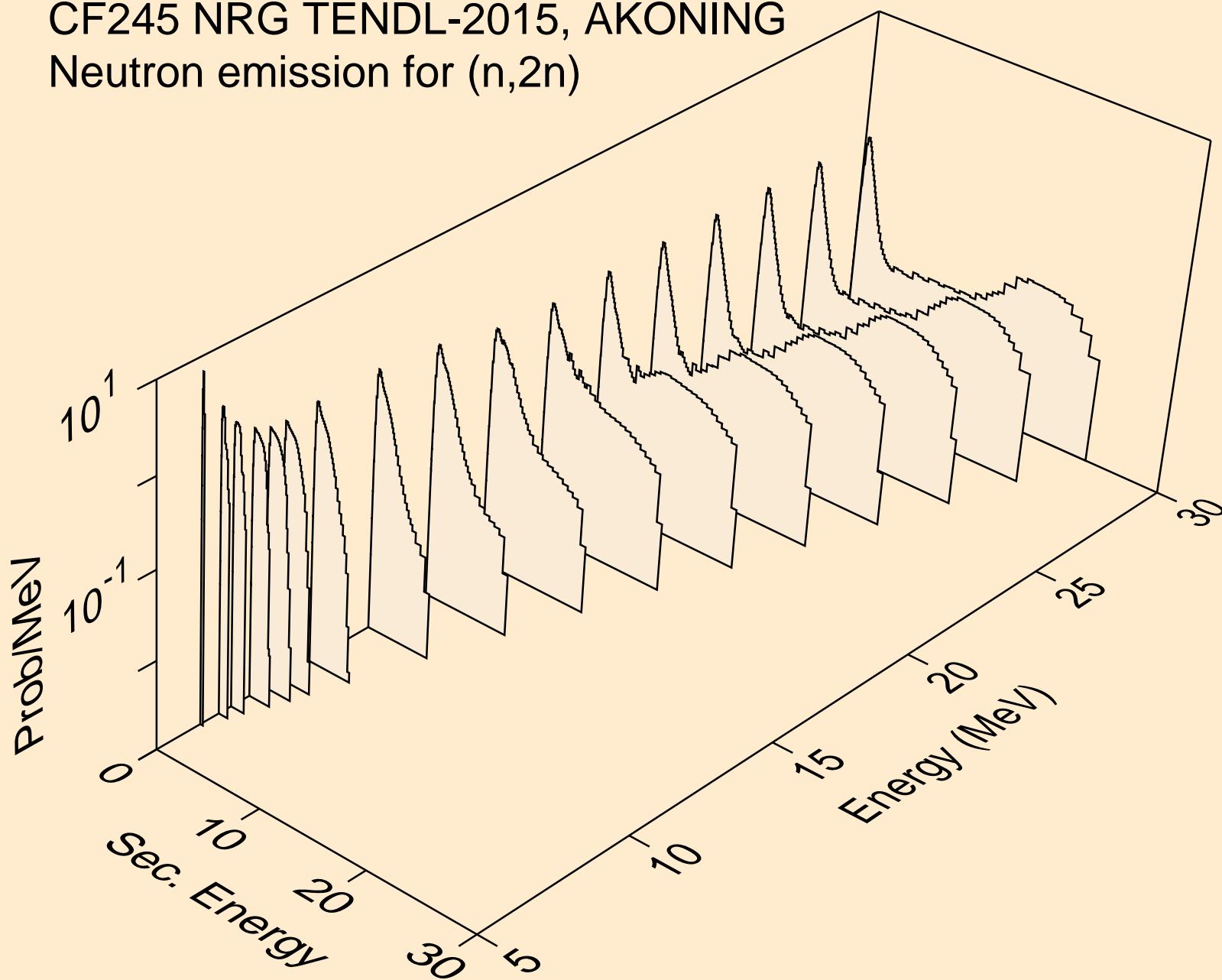
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



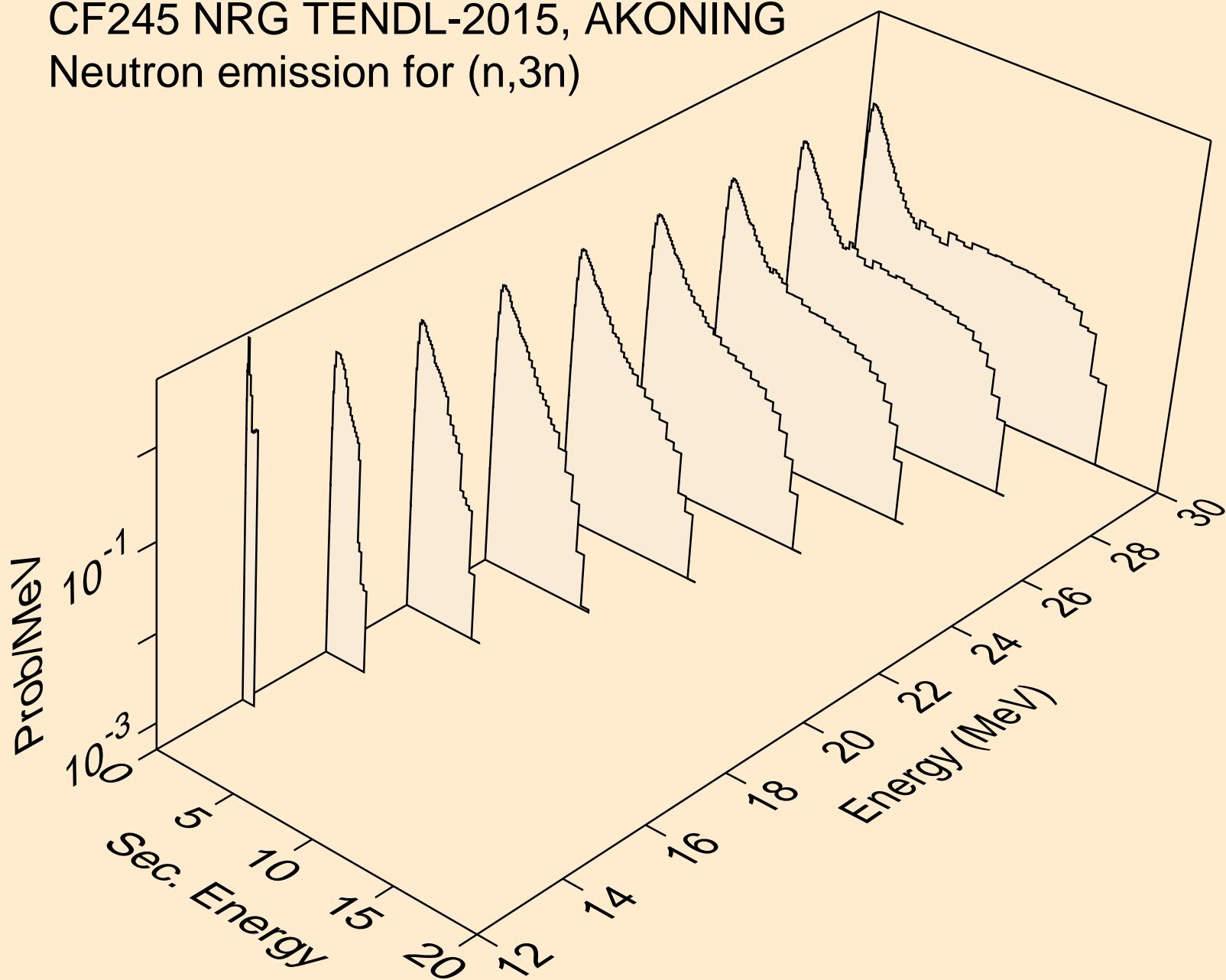
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



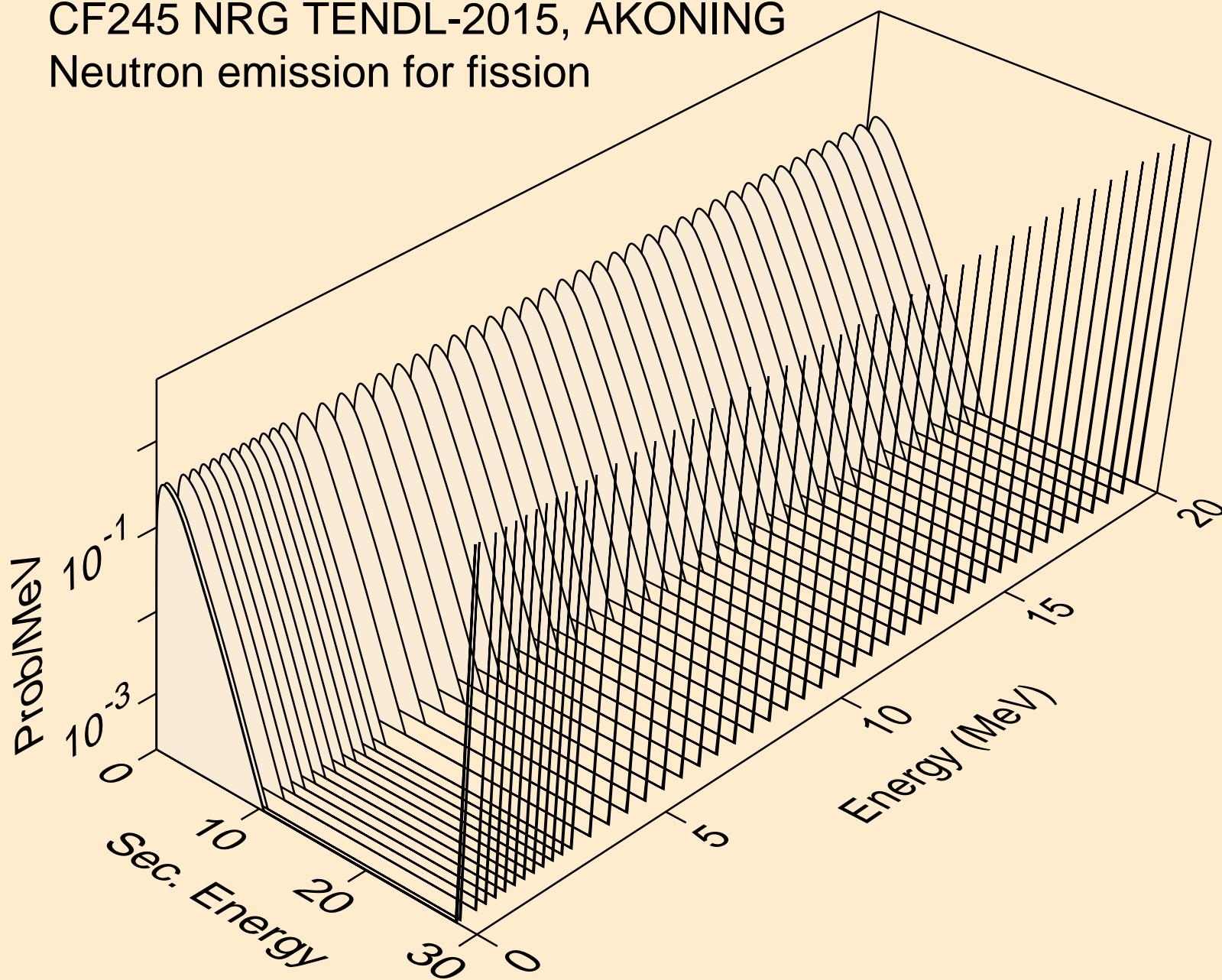
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



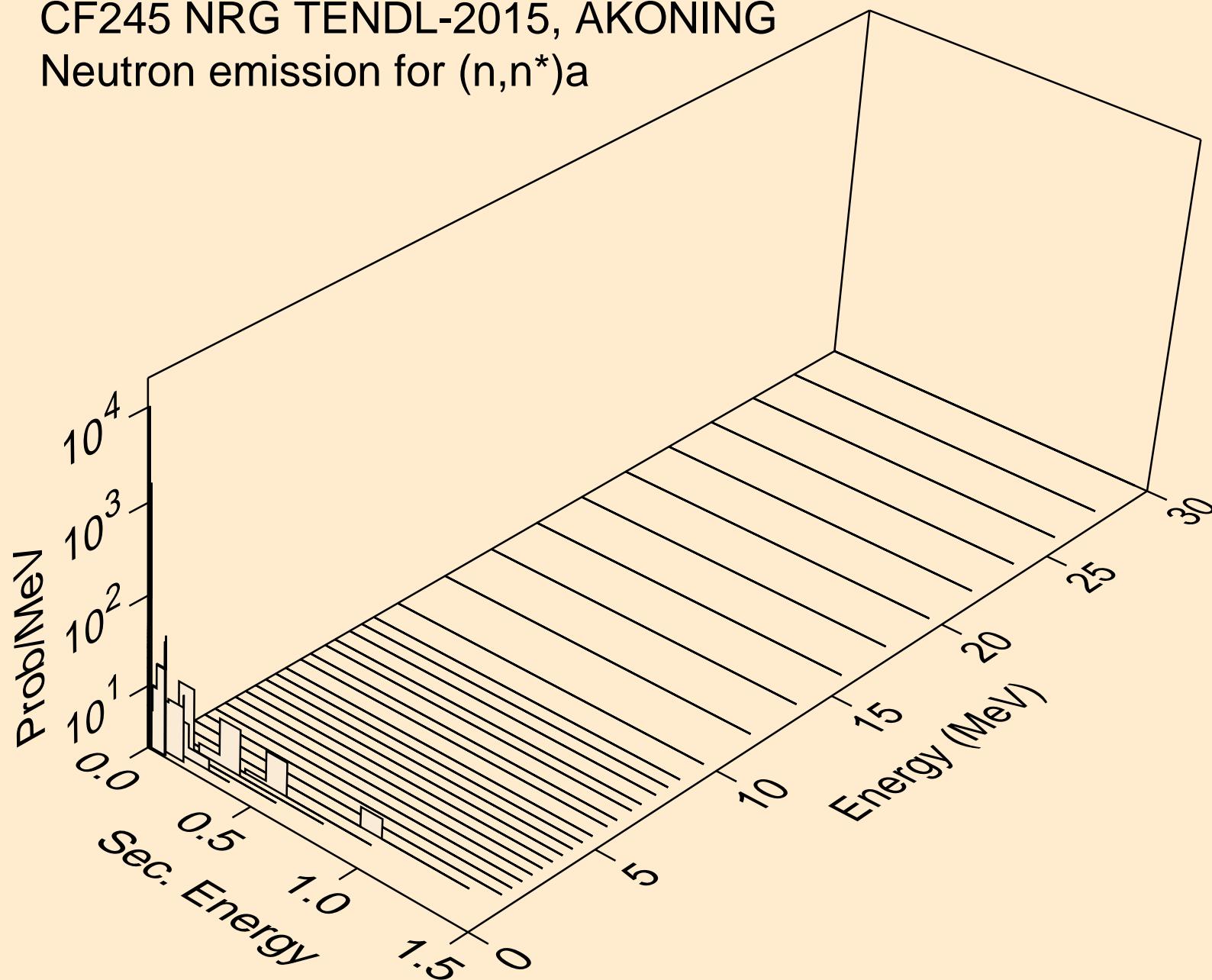
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



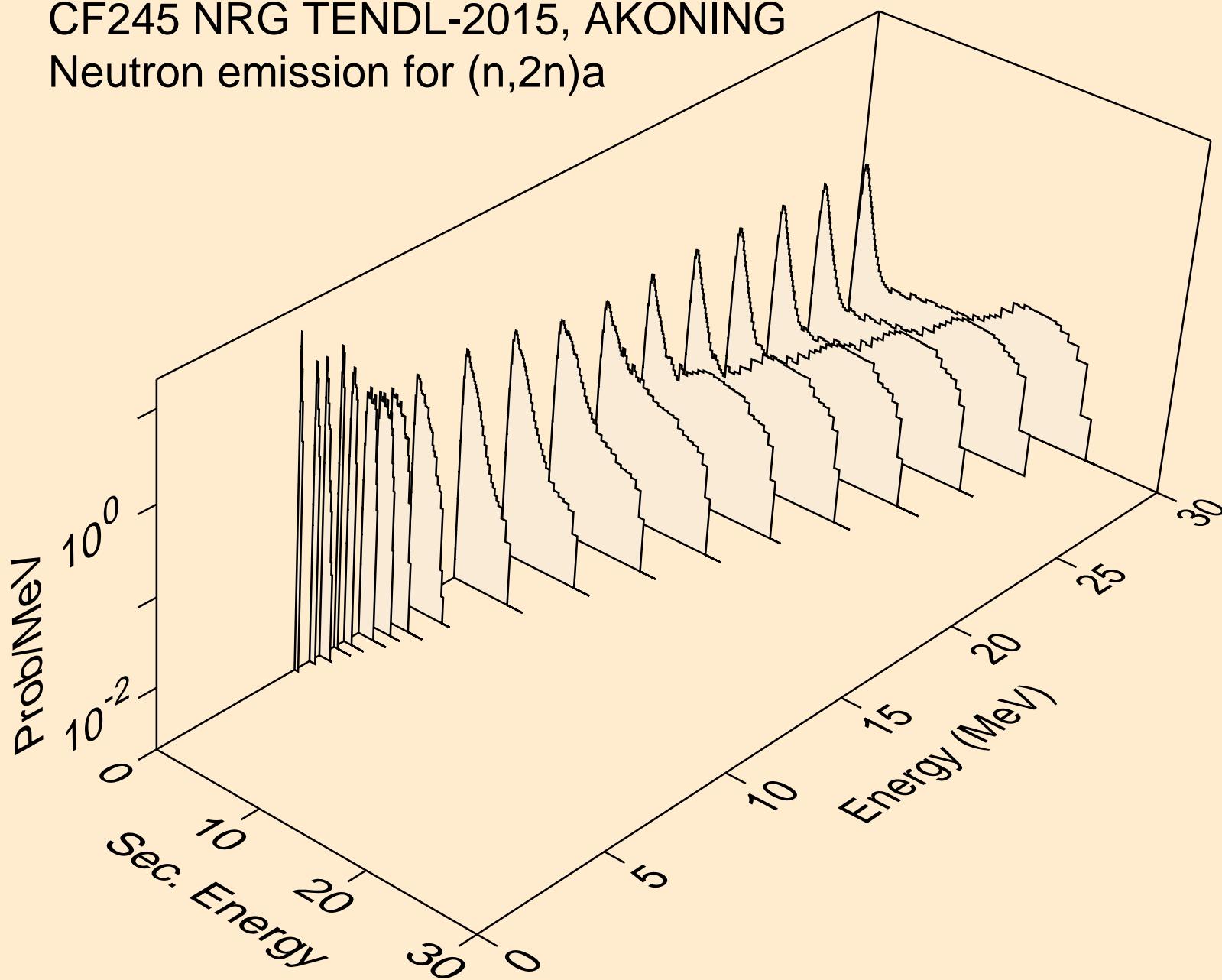
CF245 NRG TENDL-2015, AKONING  
Neutron emission for fission



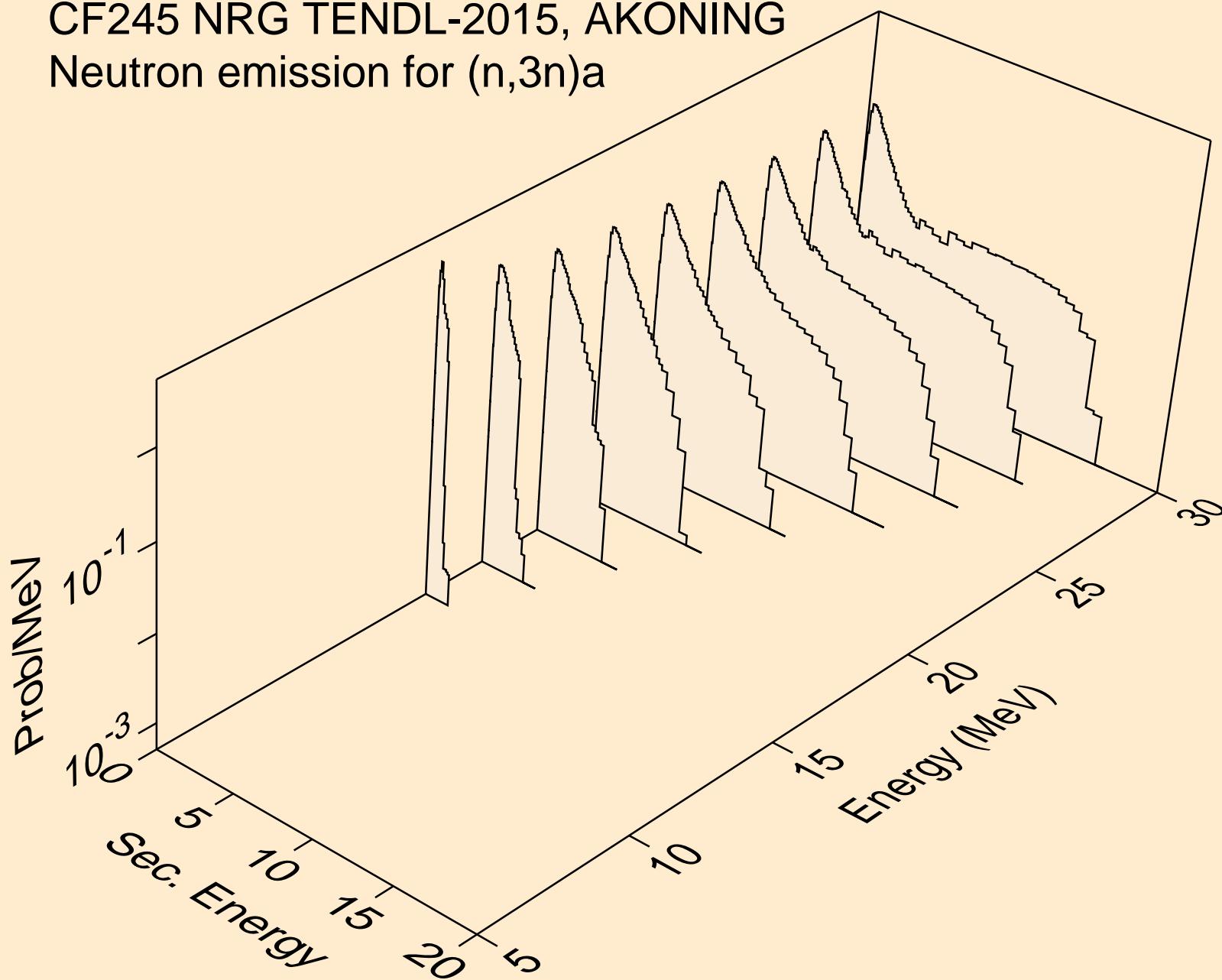
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



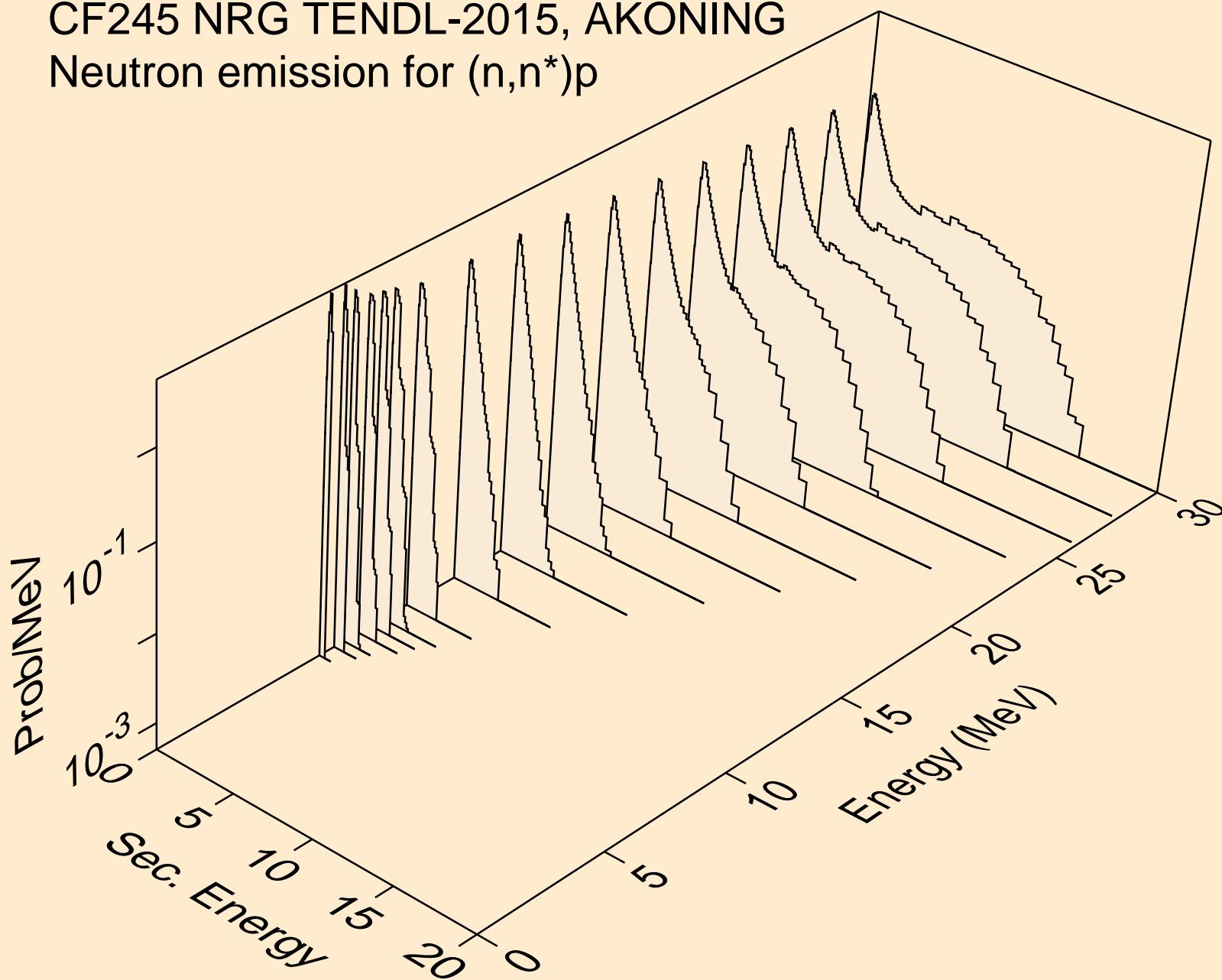
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



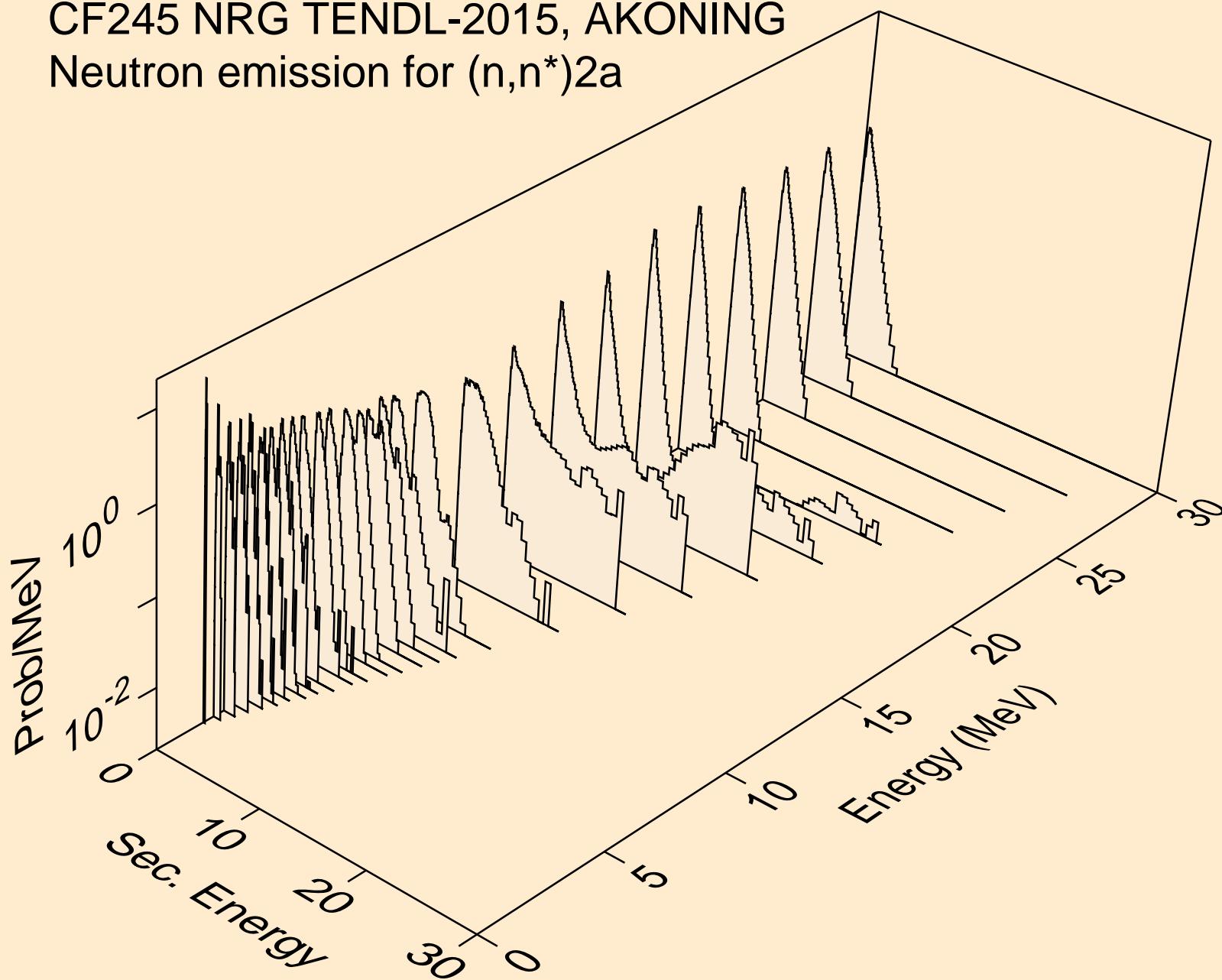
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



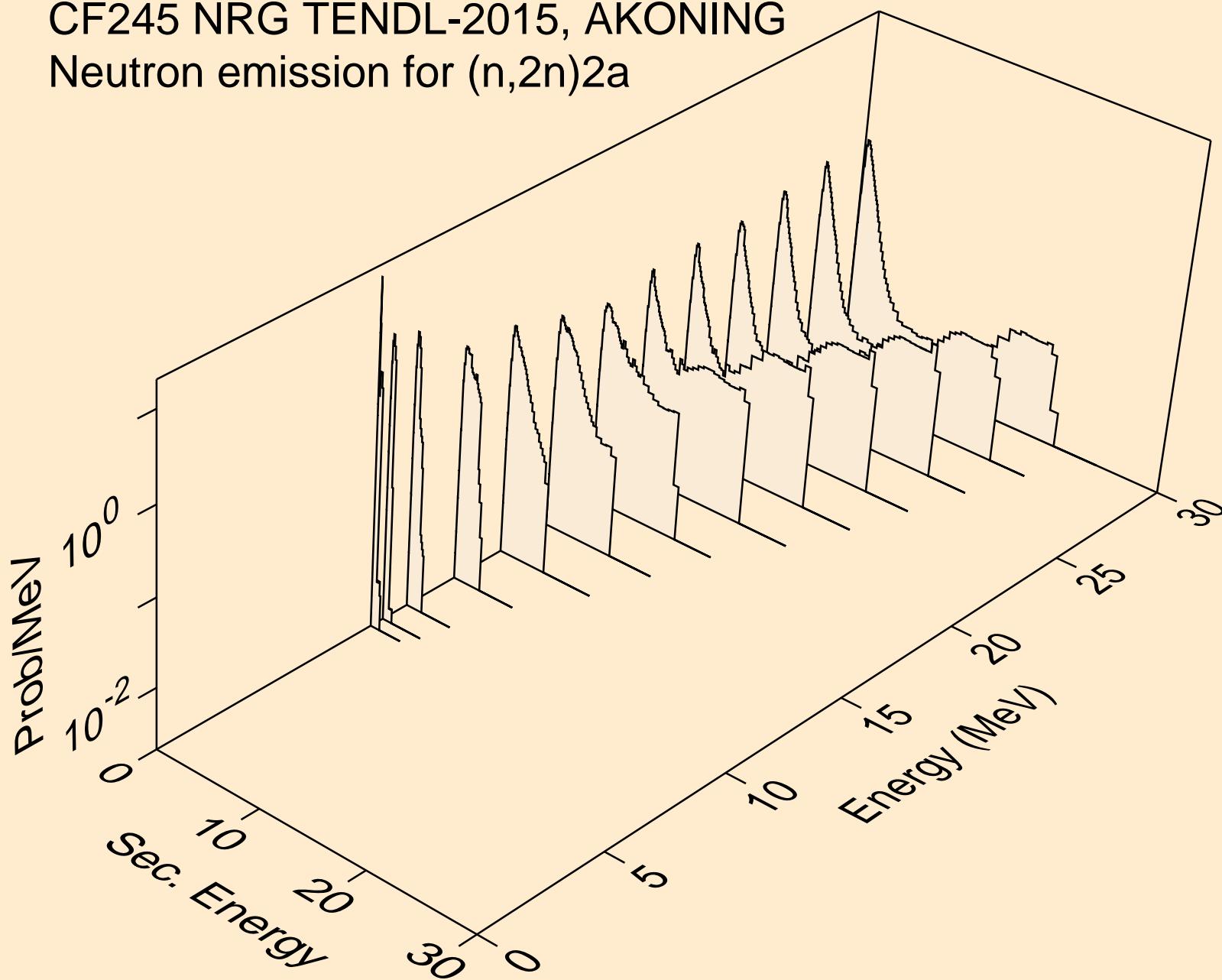
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



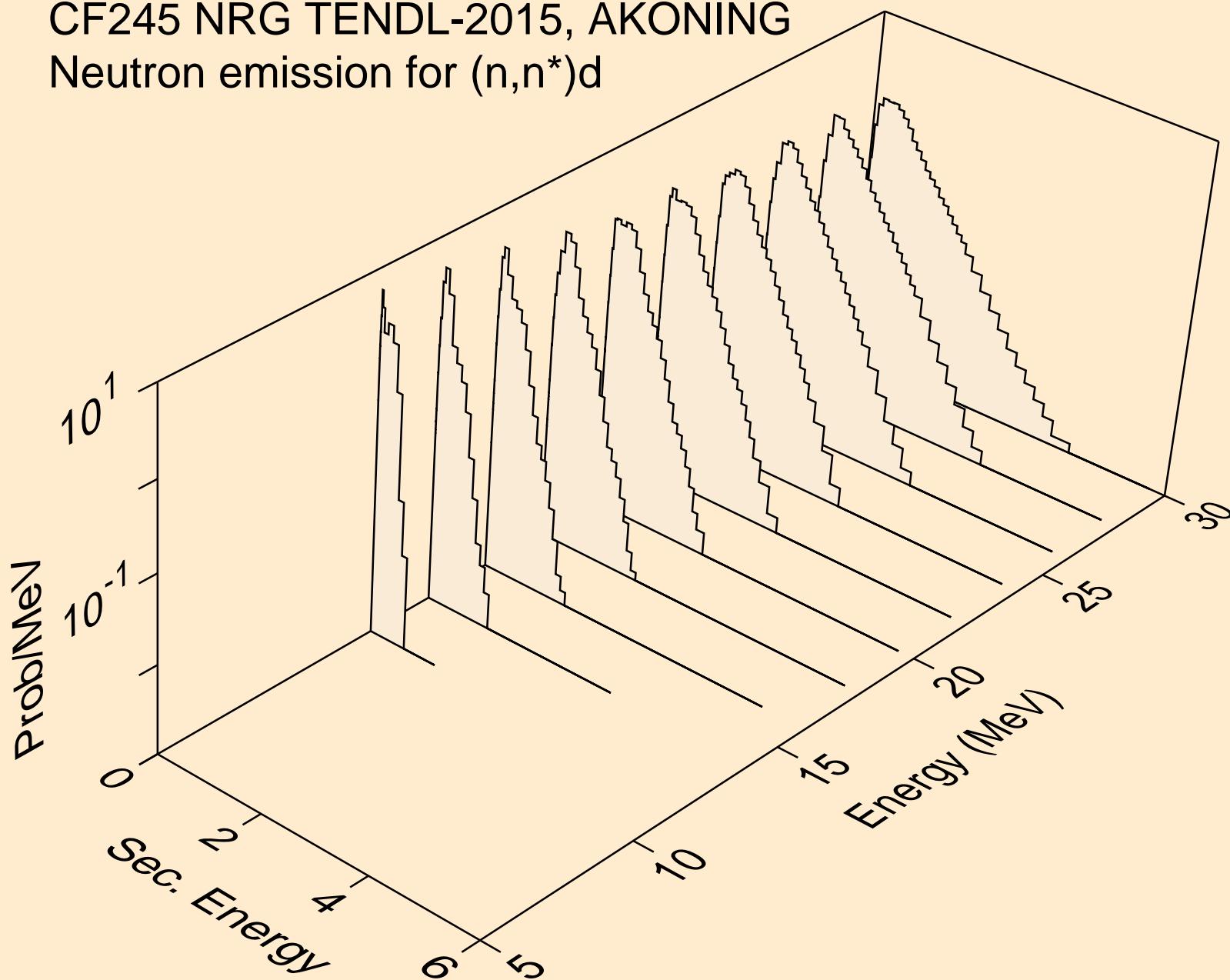
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



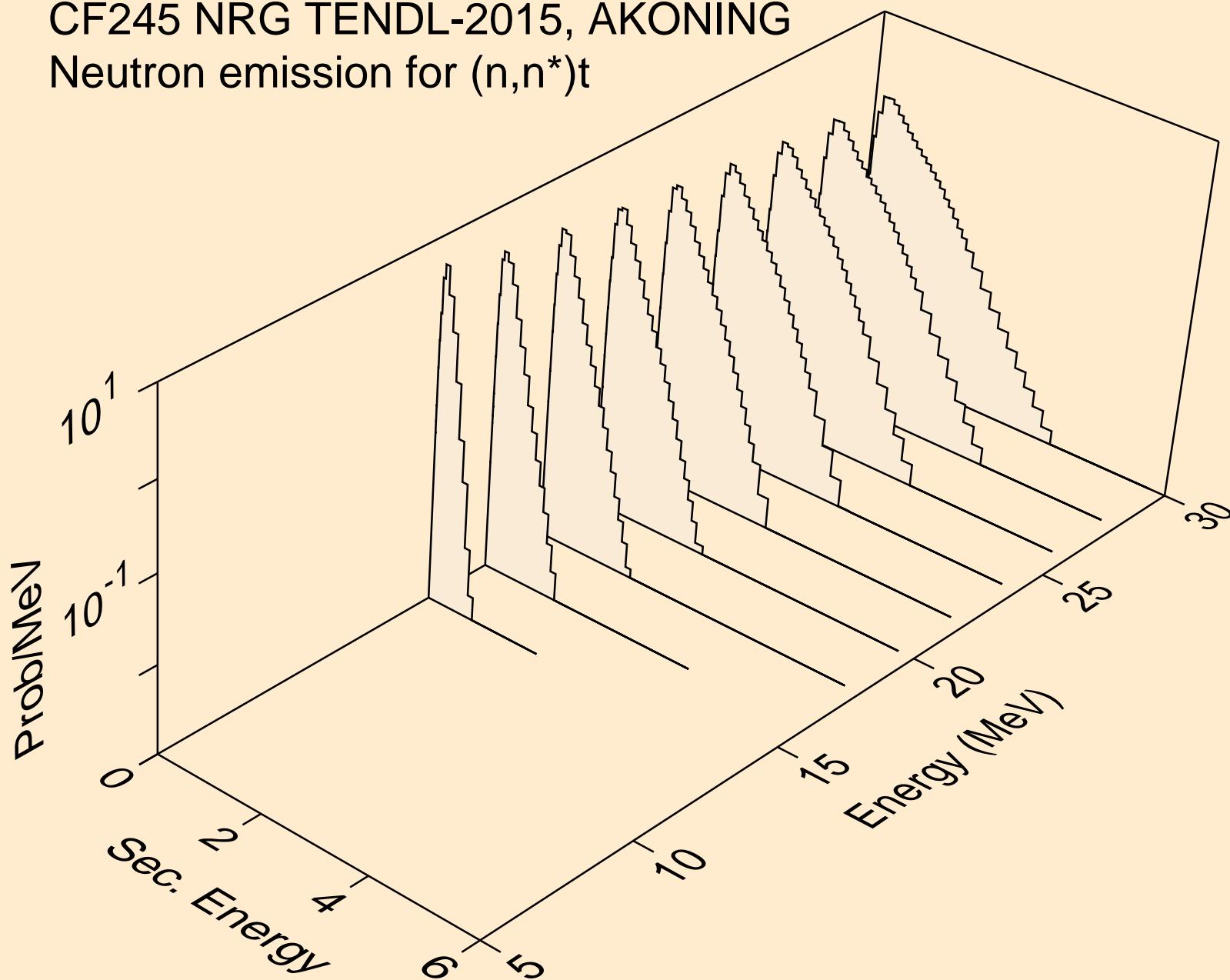
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



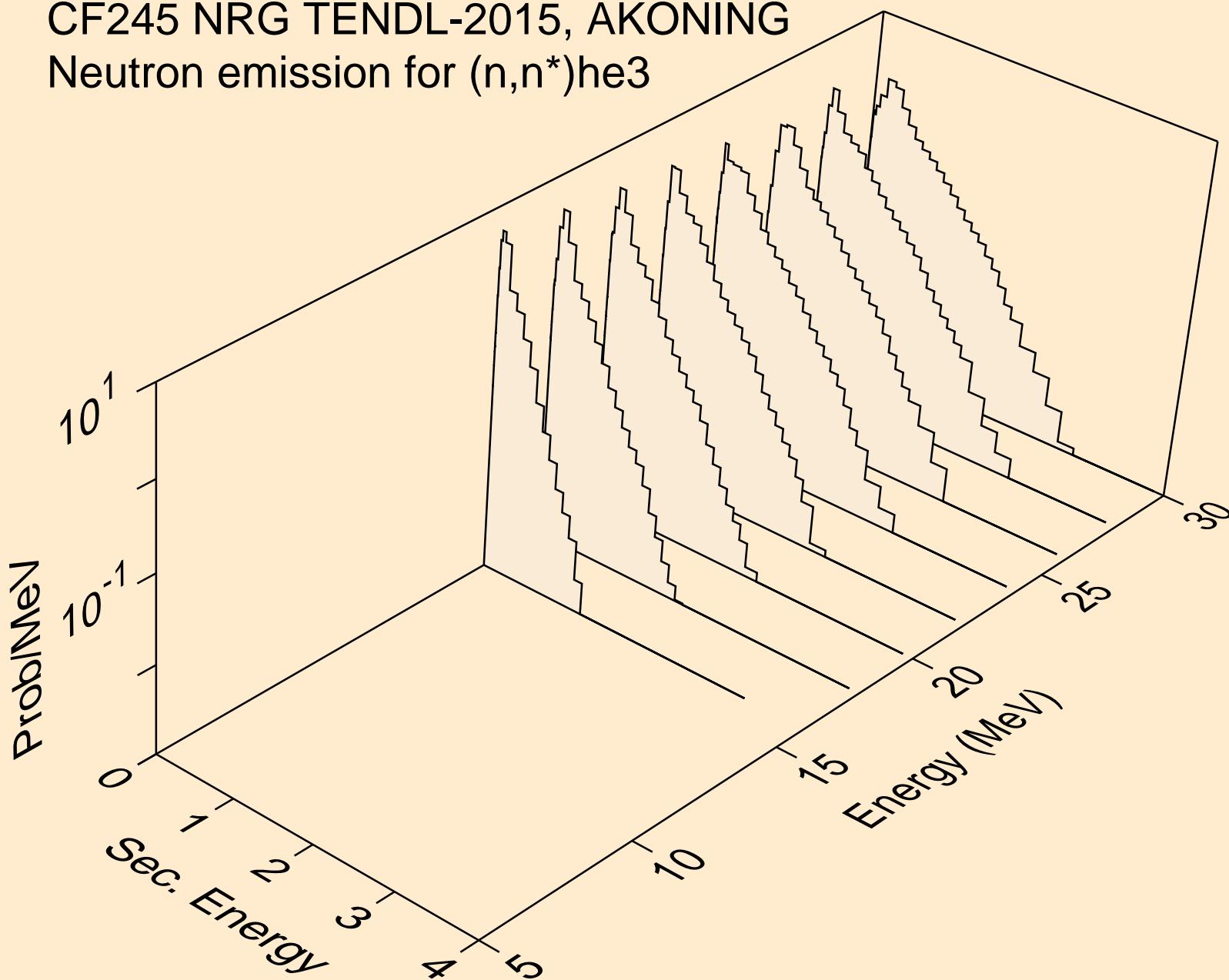
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



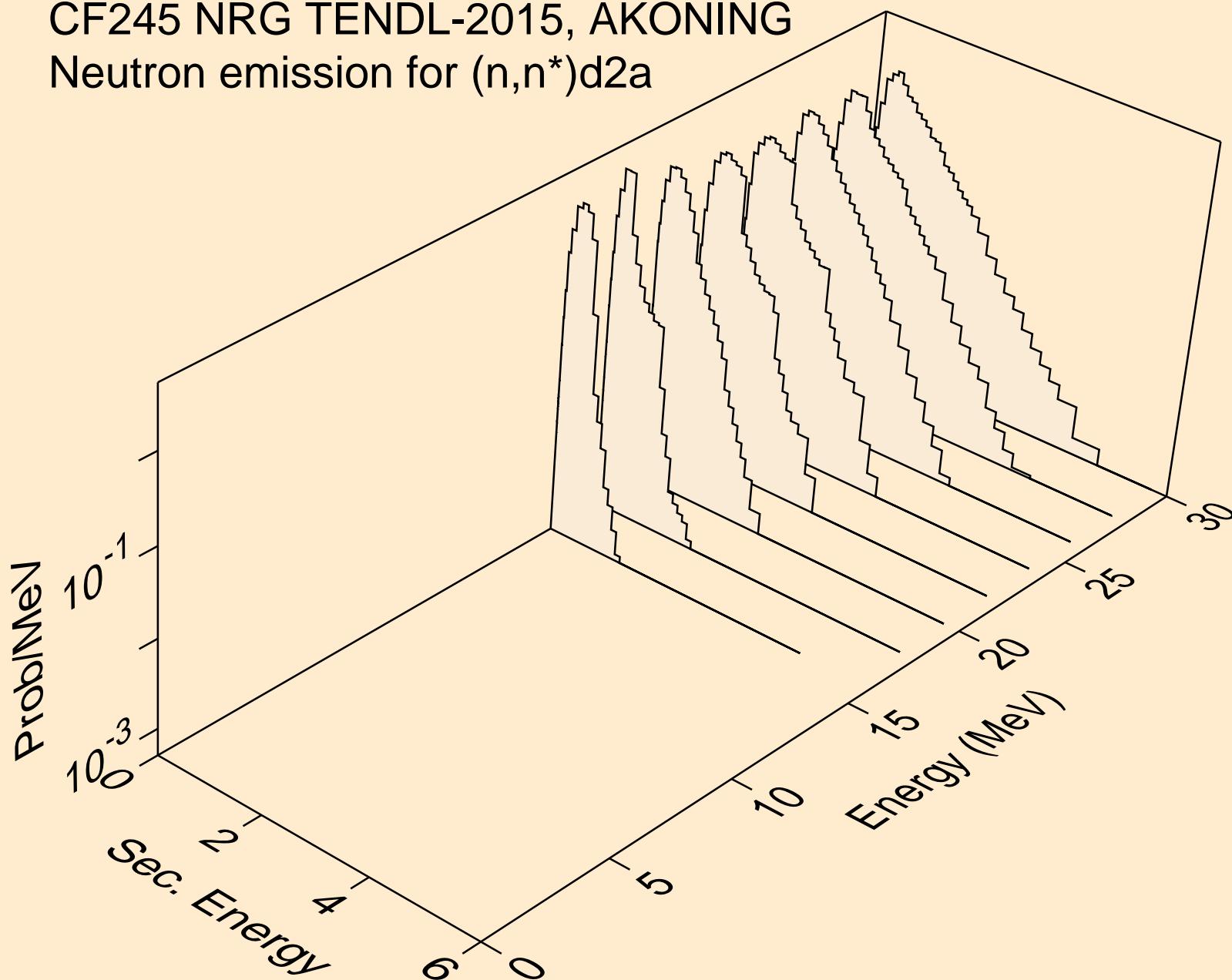
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



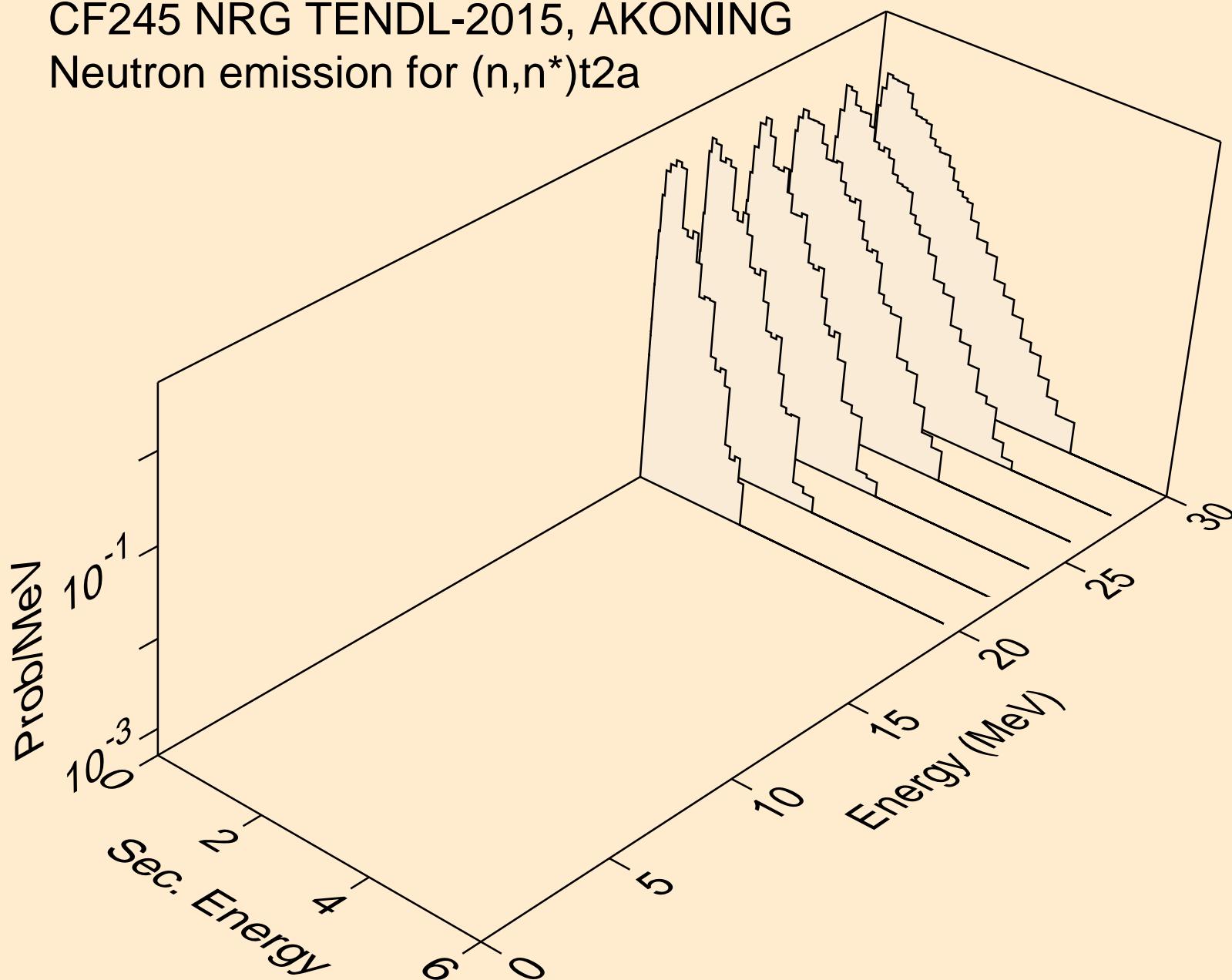
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



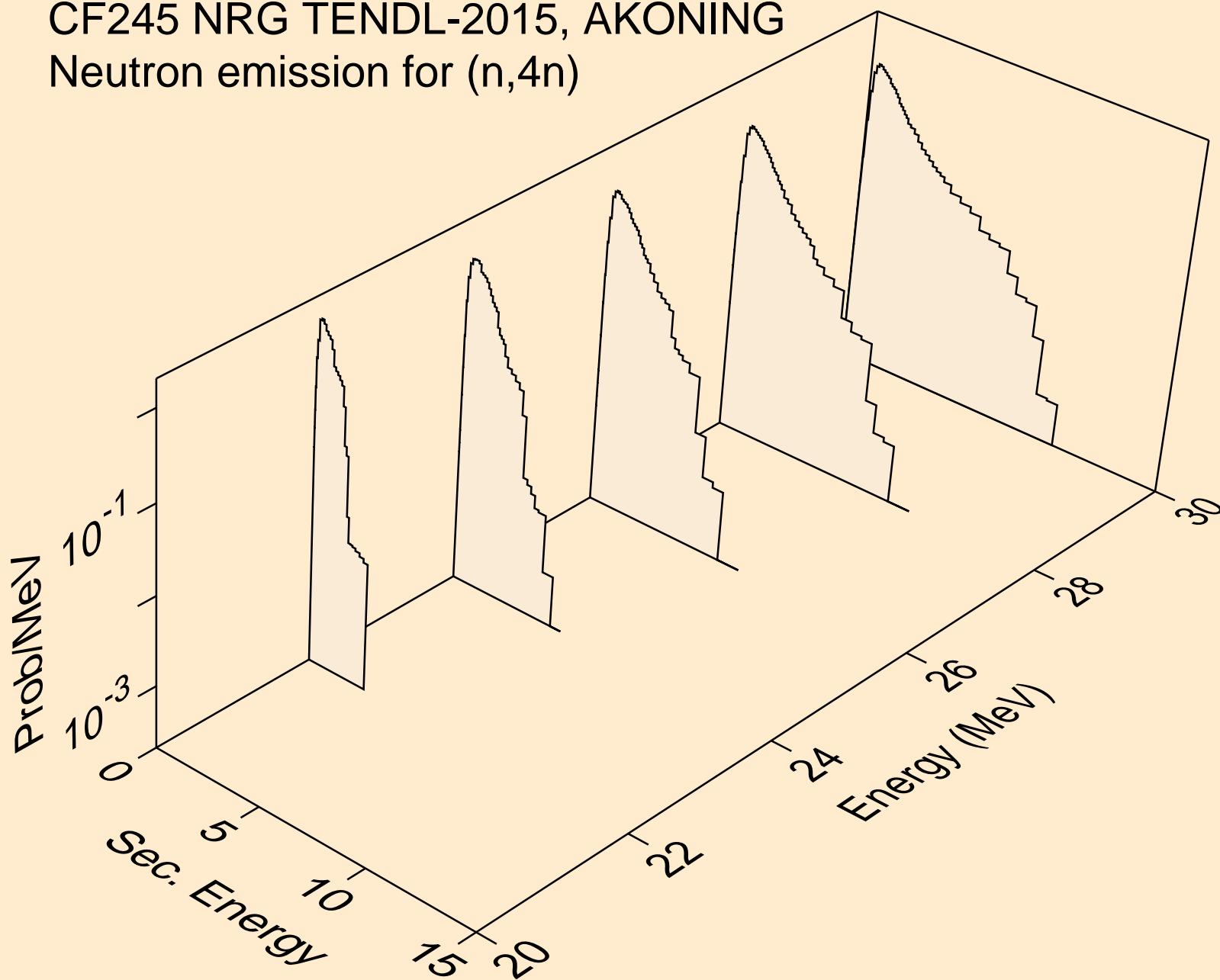
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d2a$



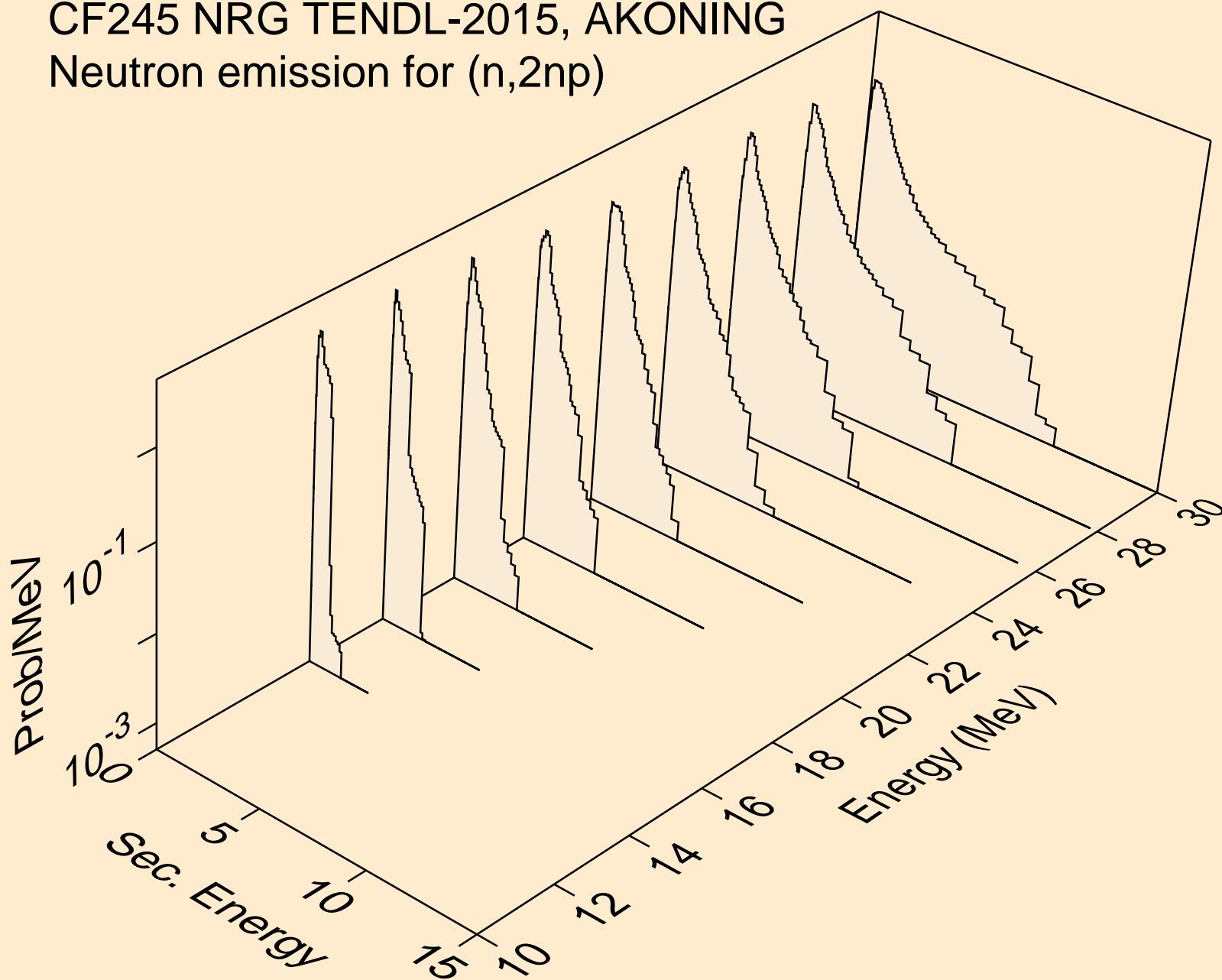
CF245 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t2a$



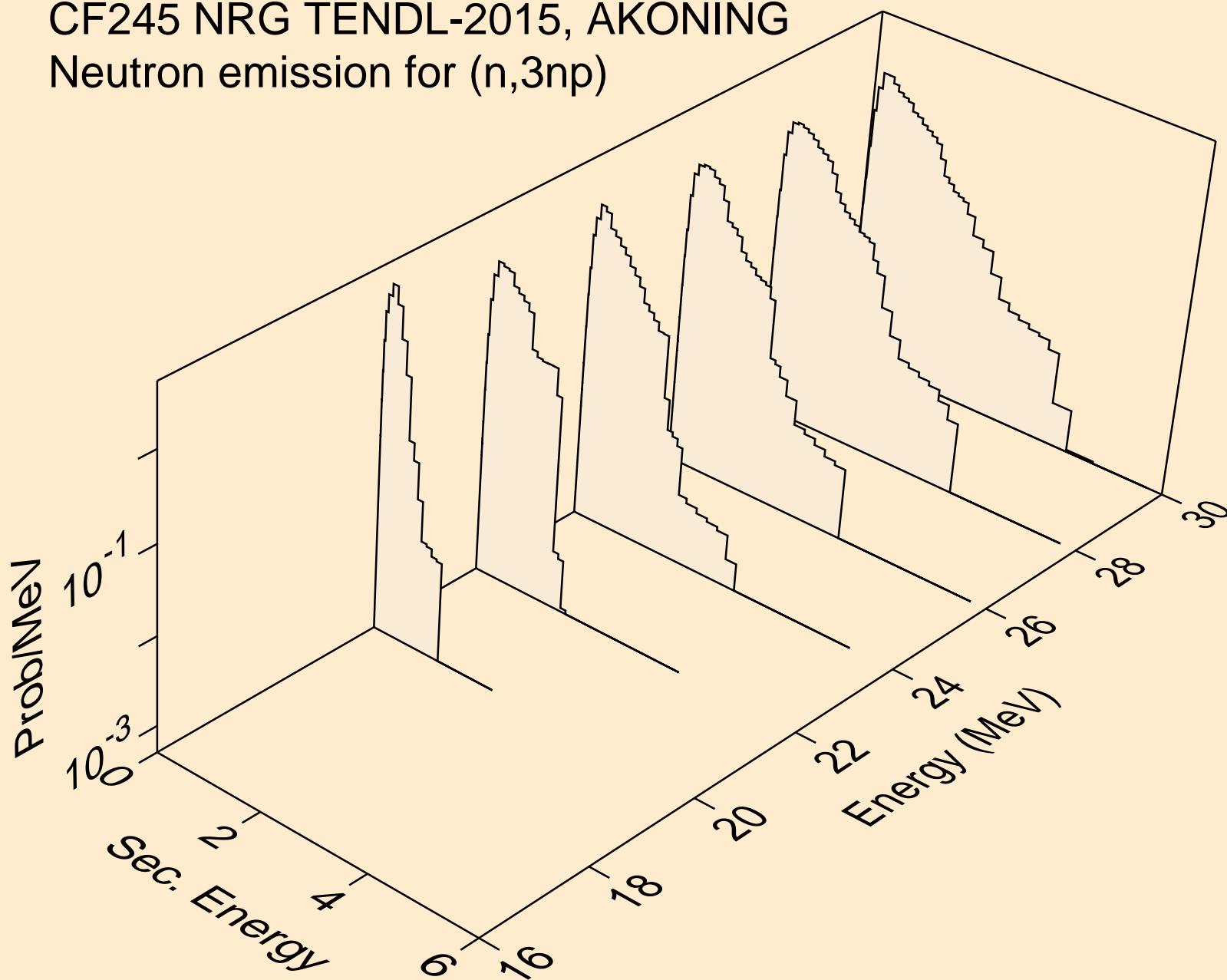
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



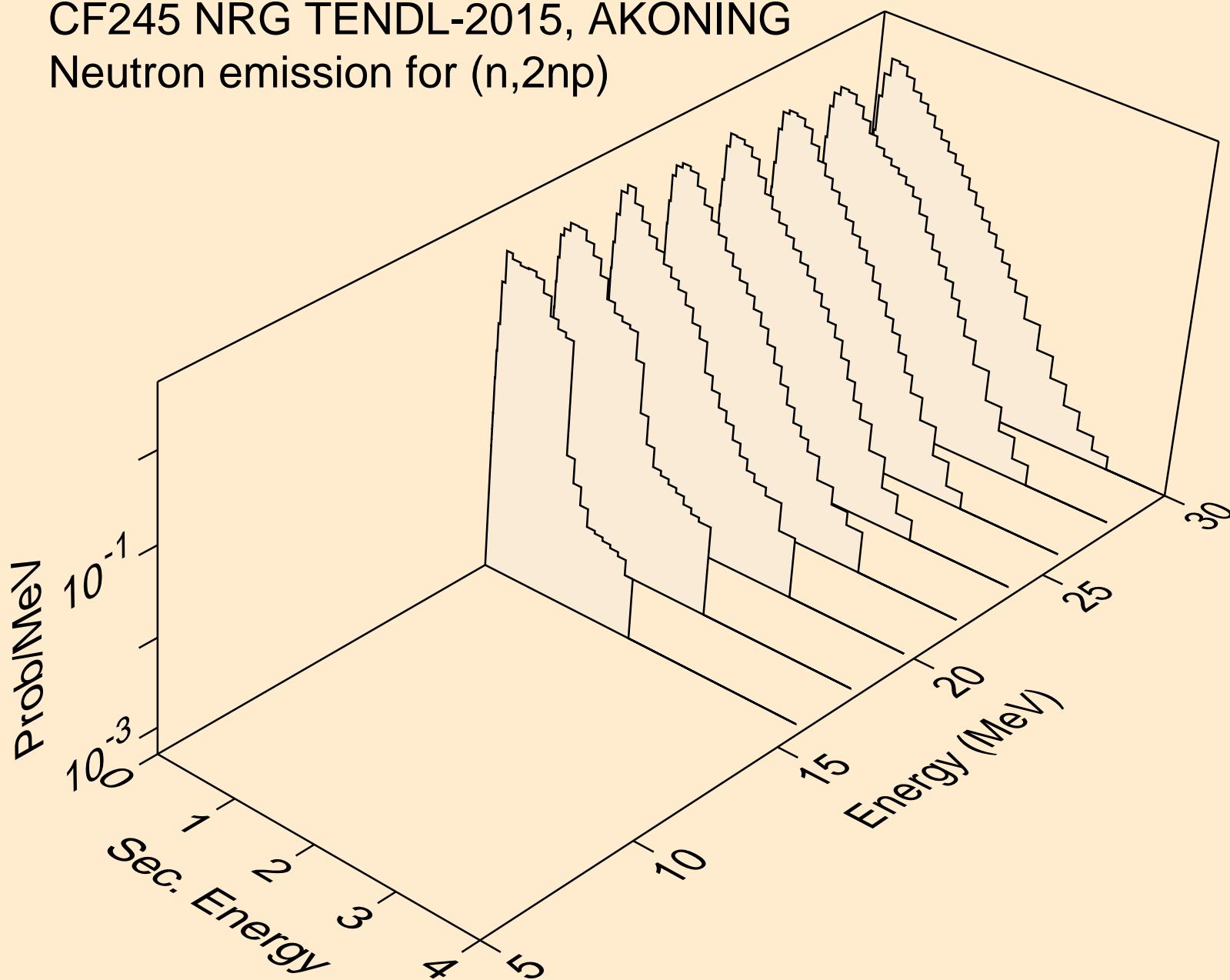
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



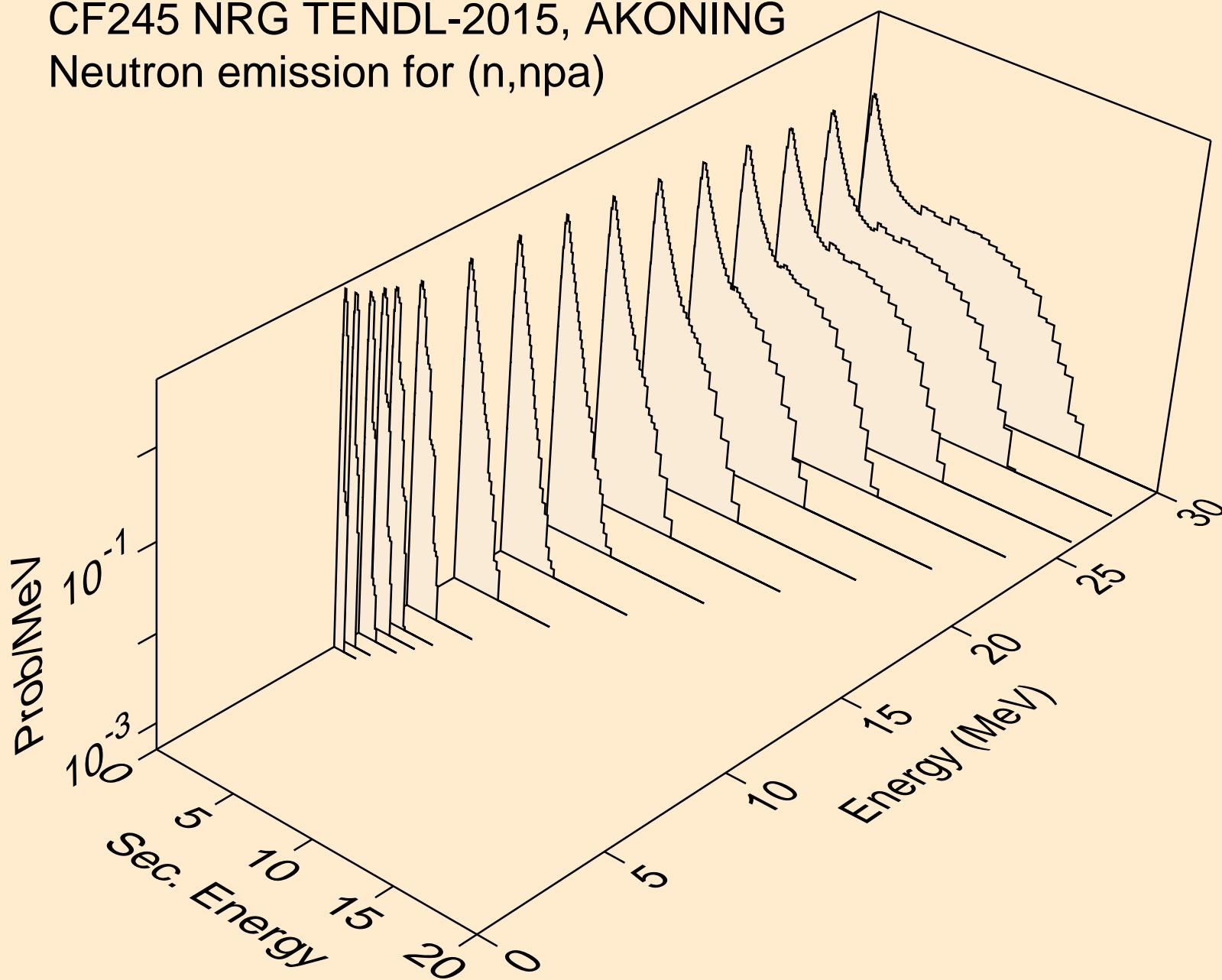
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



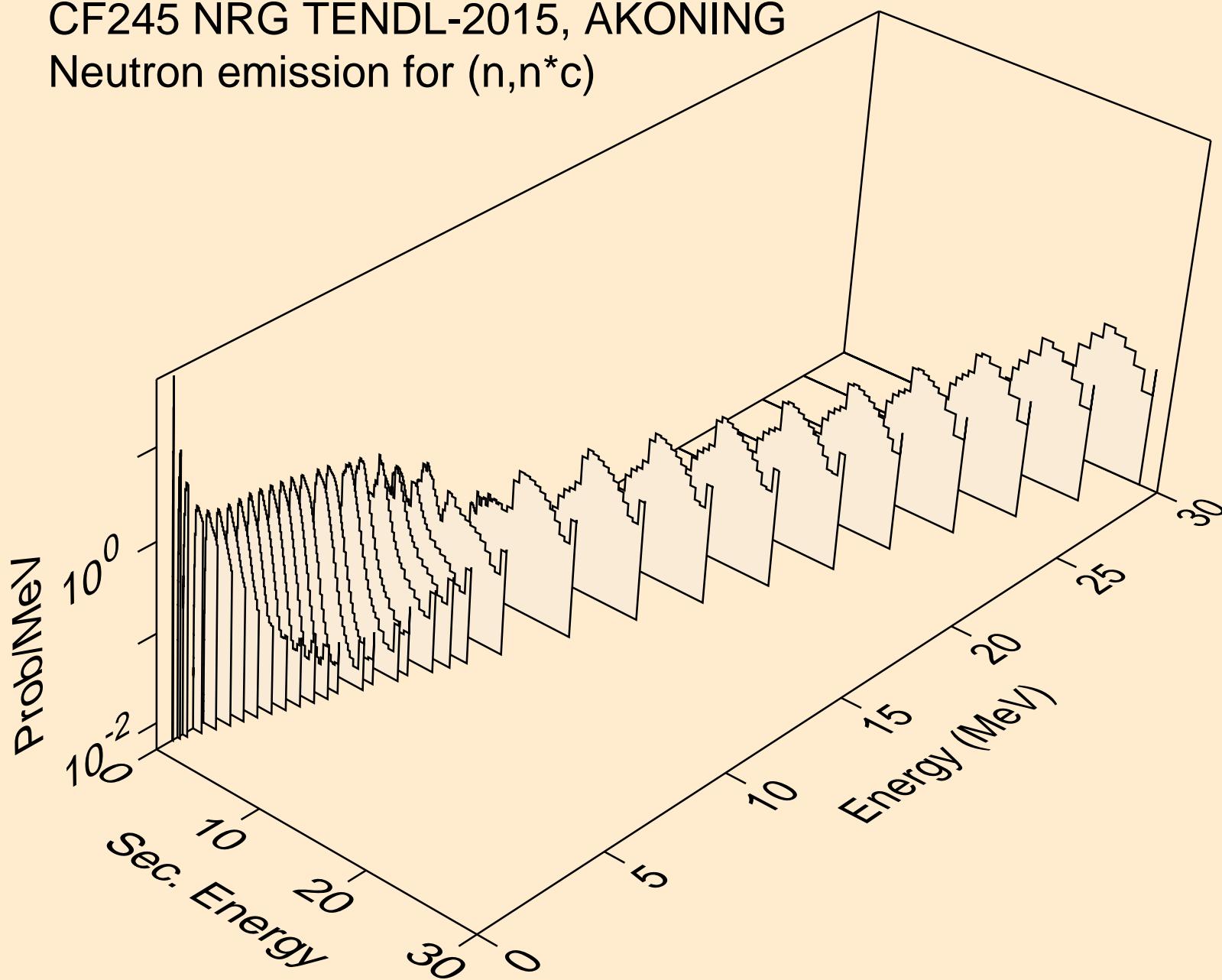
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



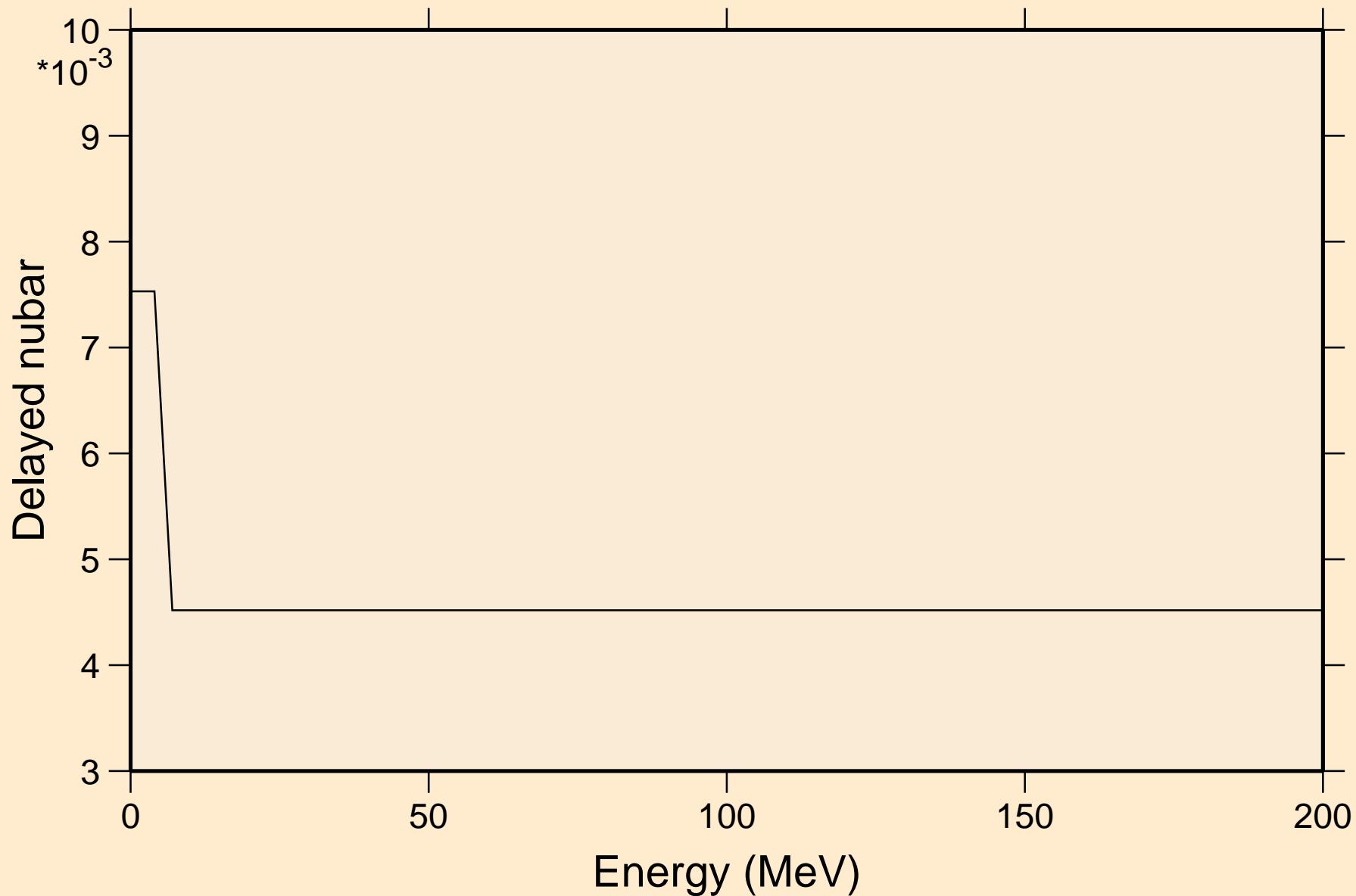
CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



CF245 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

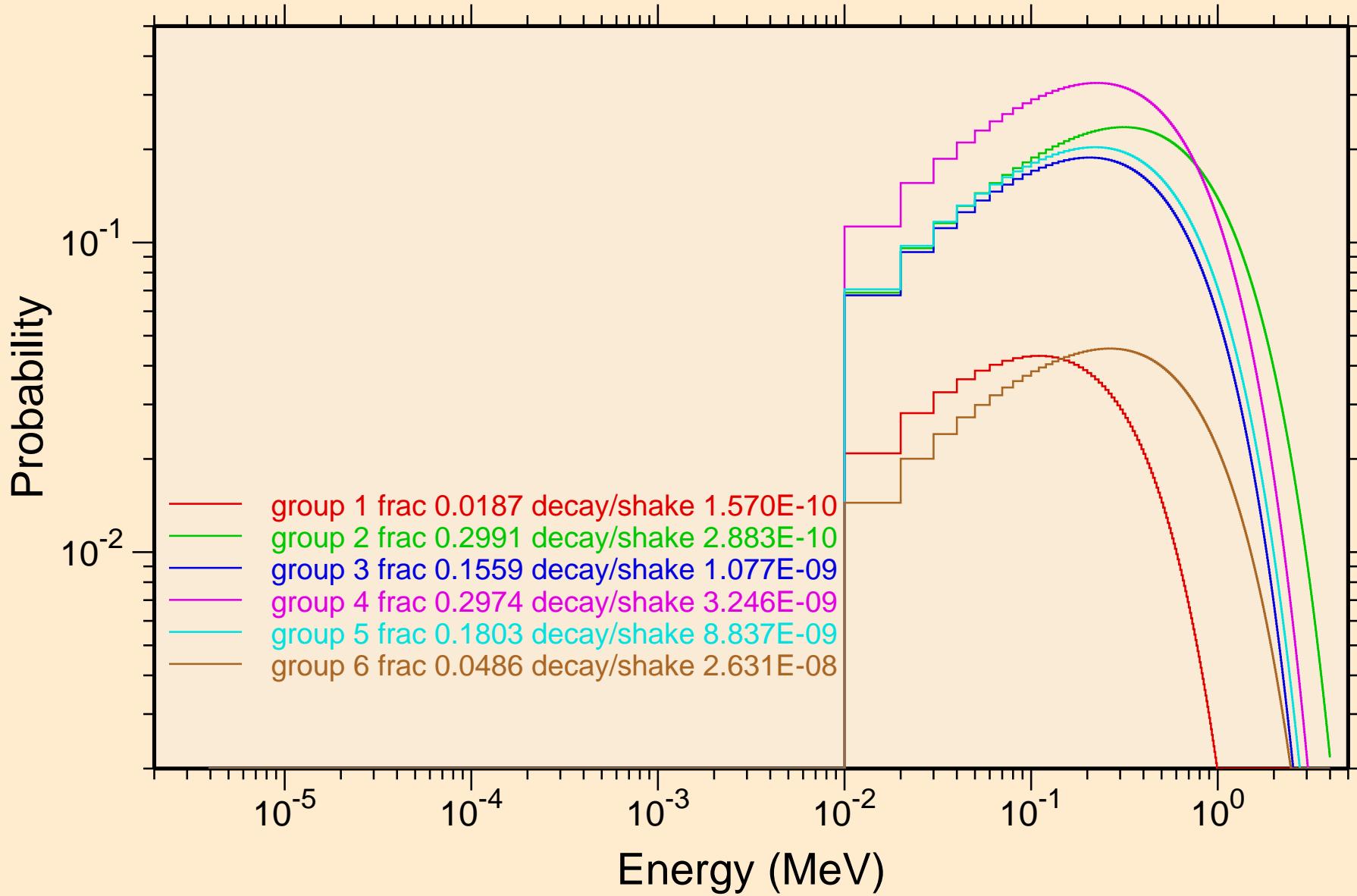


CF245 NRG TENDL-2015, AKONING  
Delayed nubar

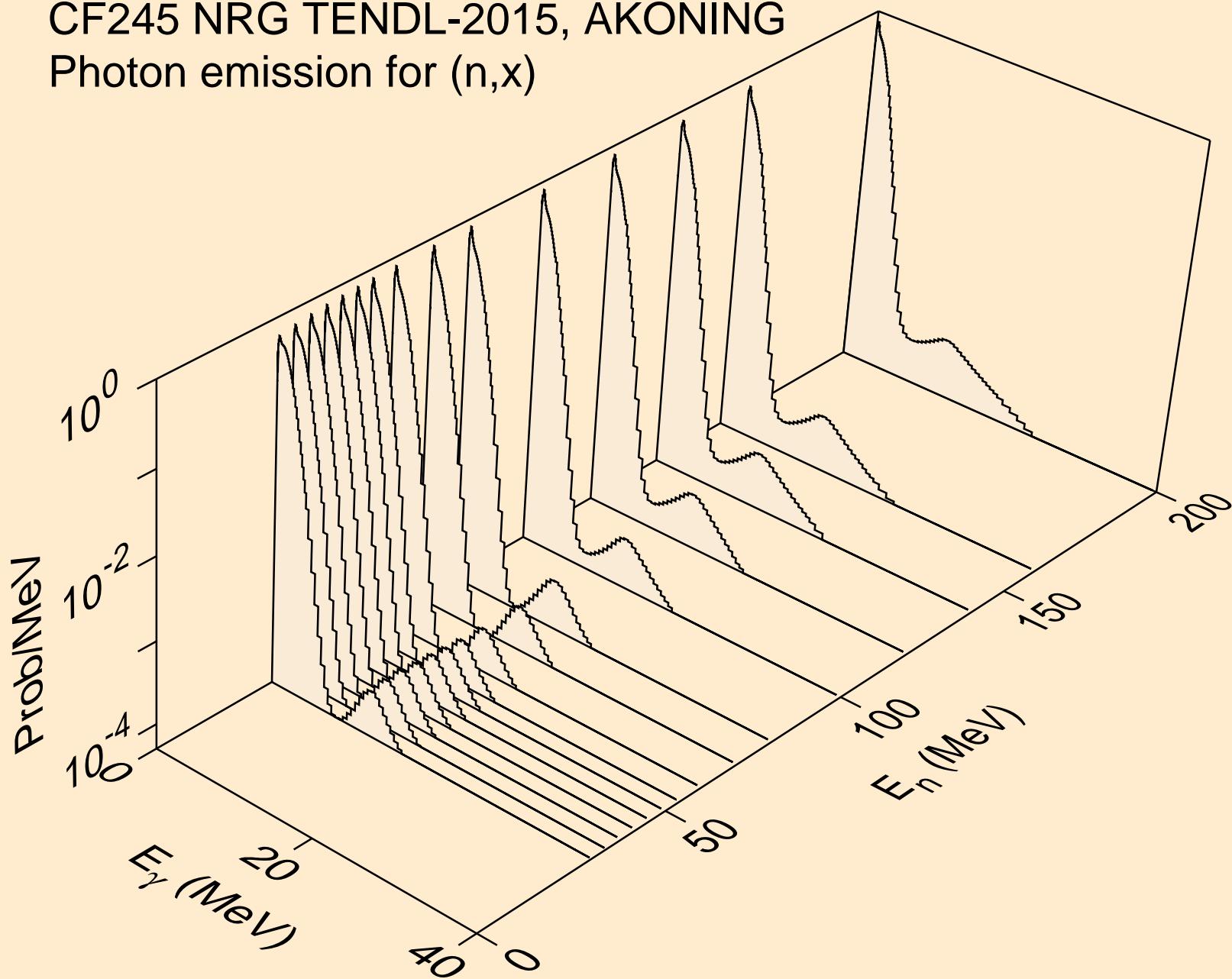


# CF245 NRG TENDL-2015, AKONING

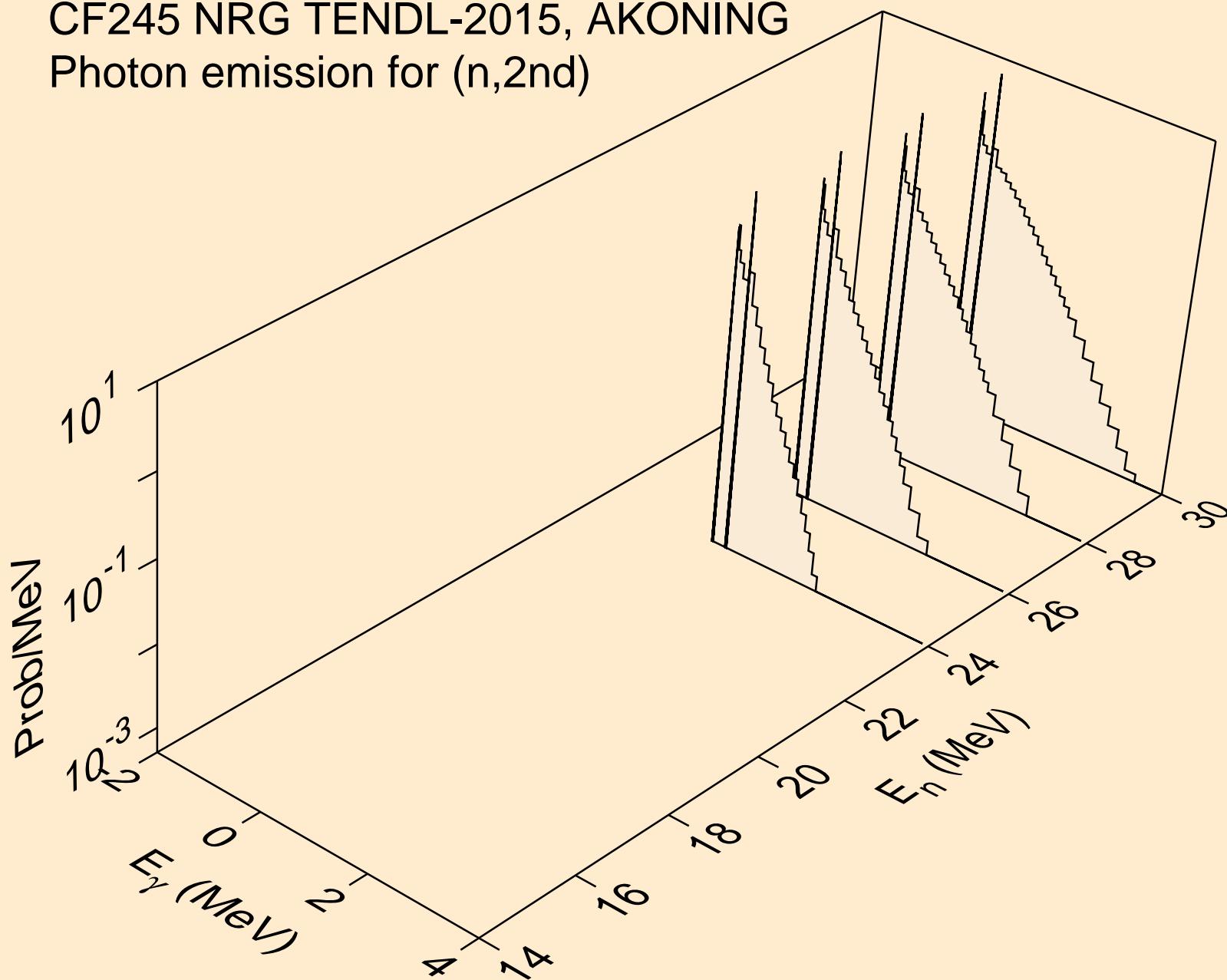
## Delayed neutron spectra



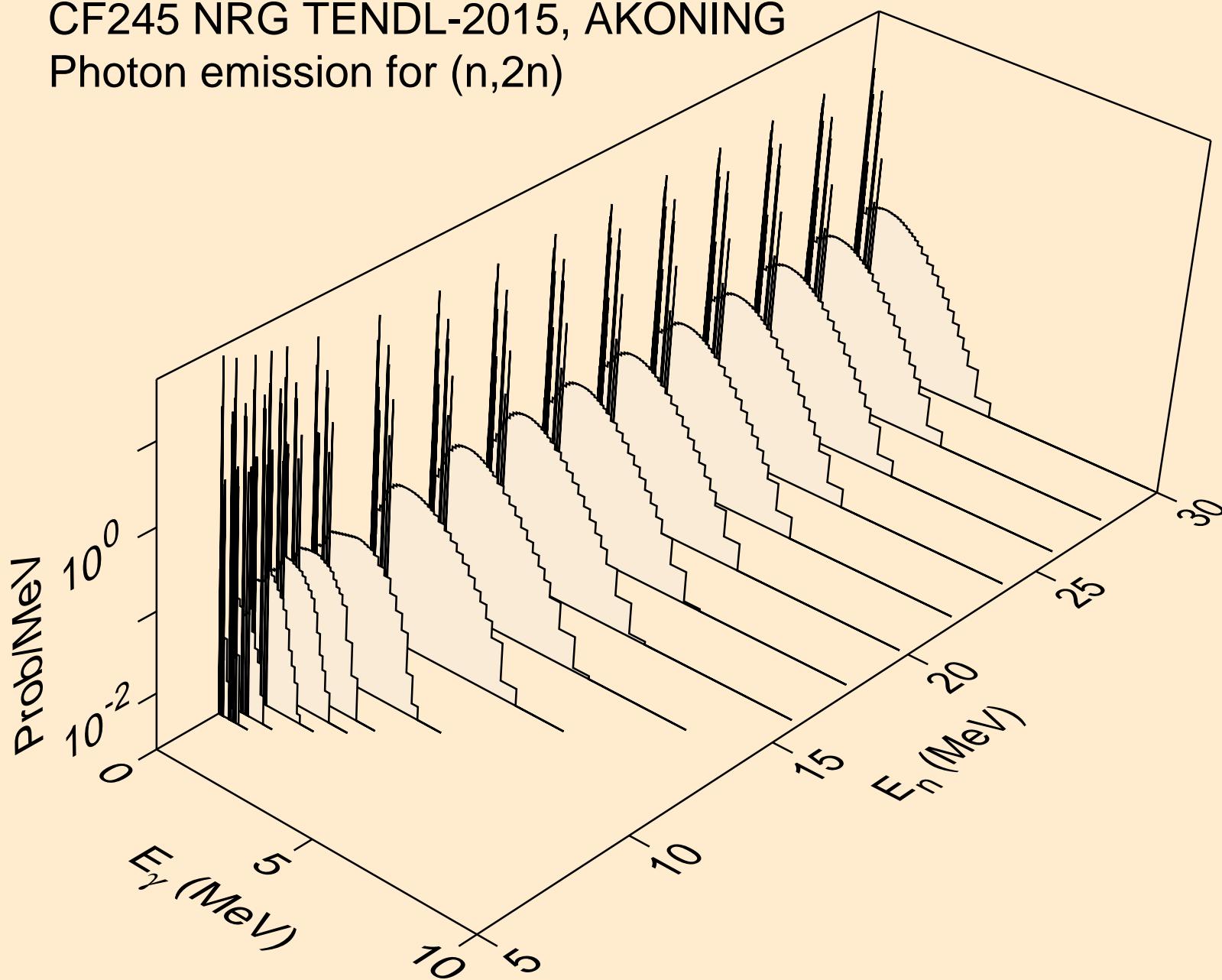
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



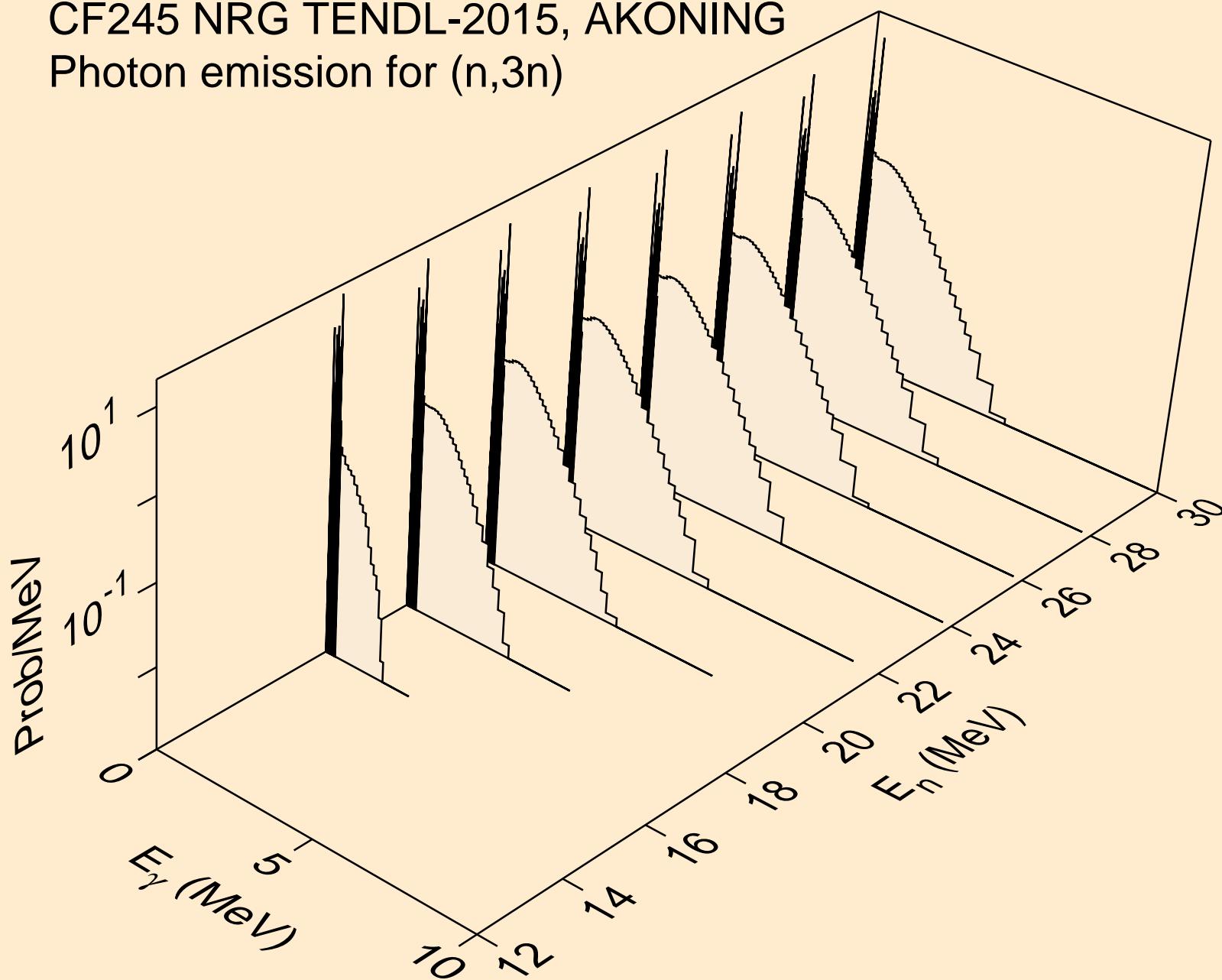
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



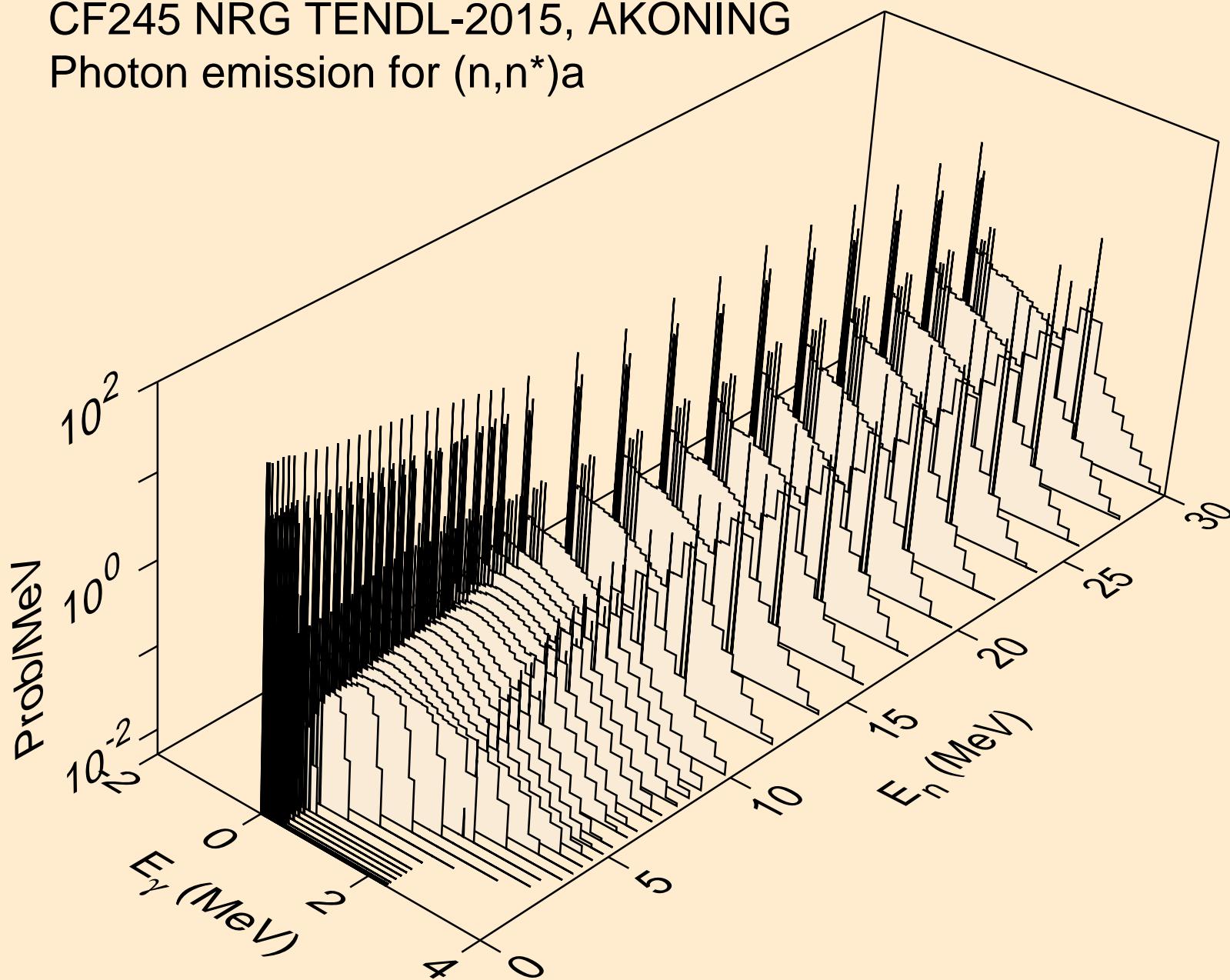
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



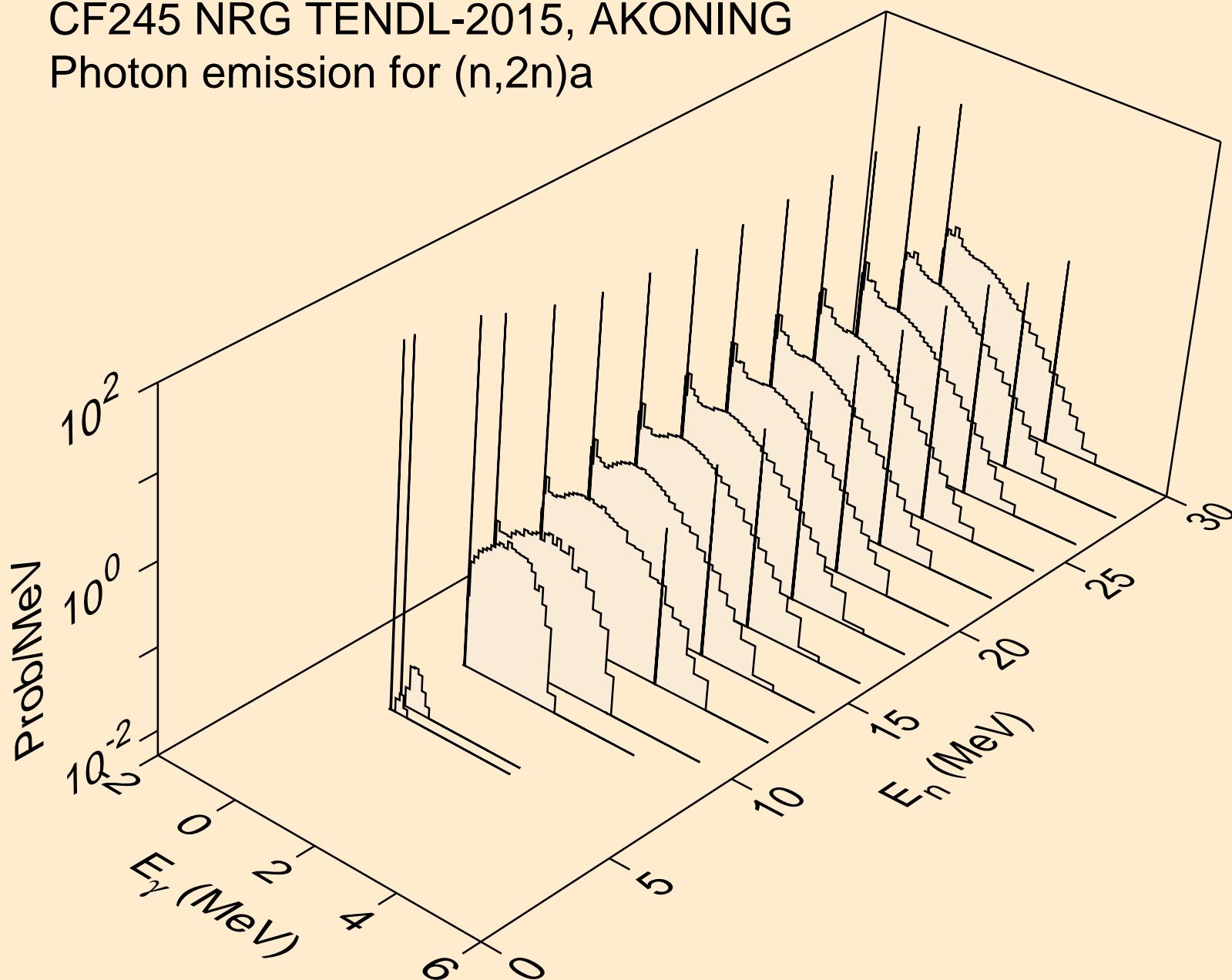
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



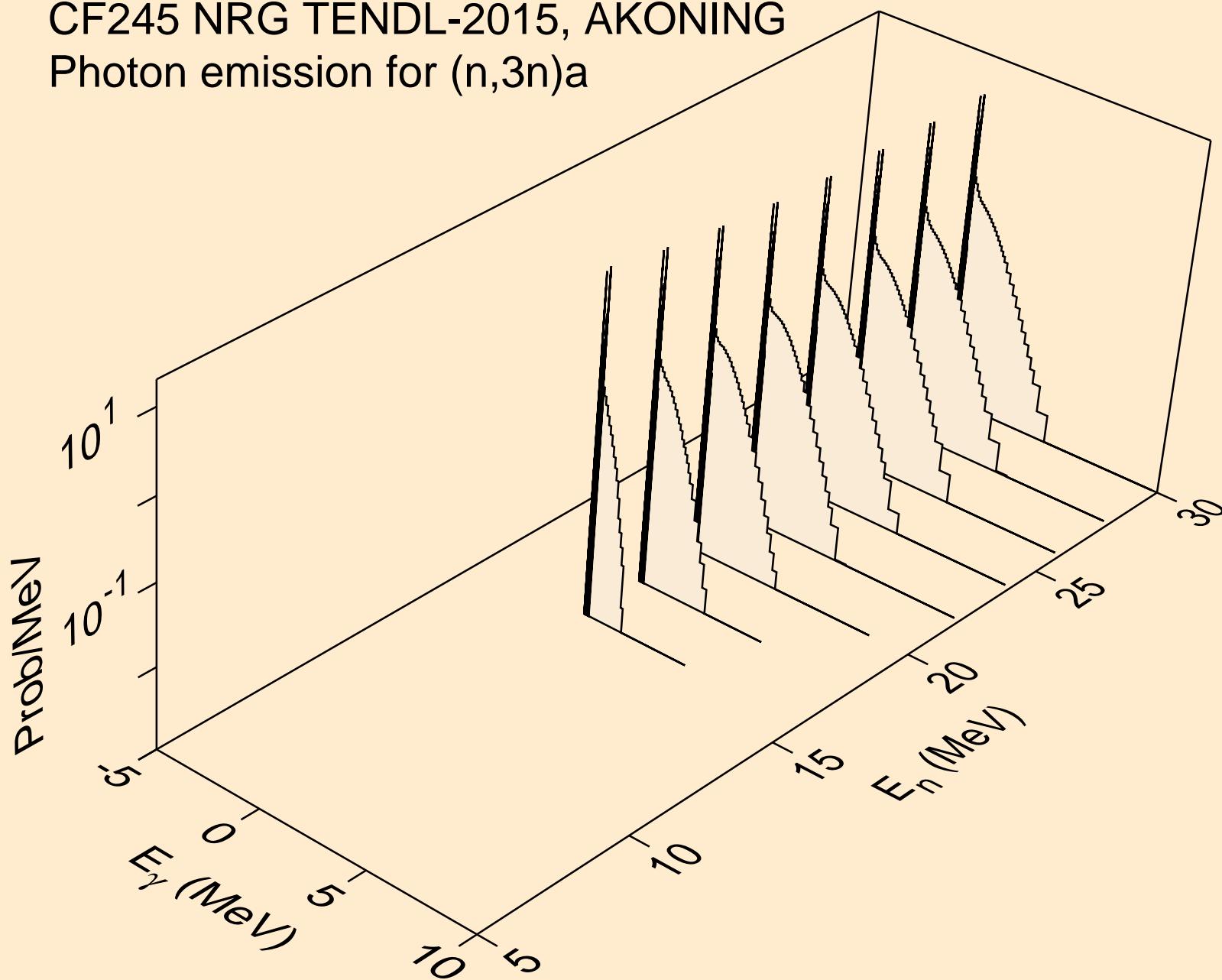
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



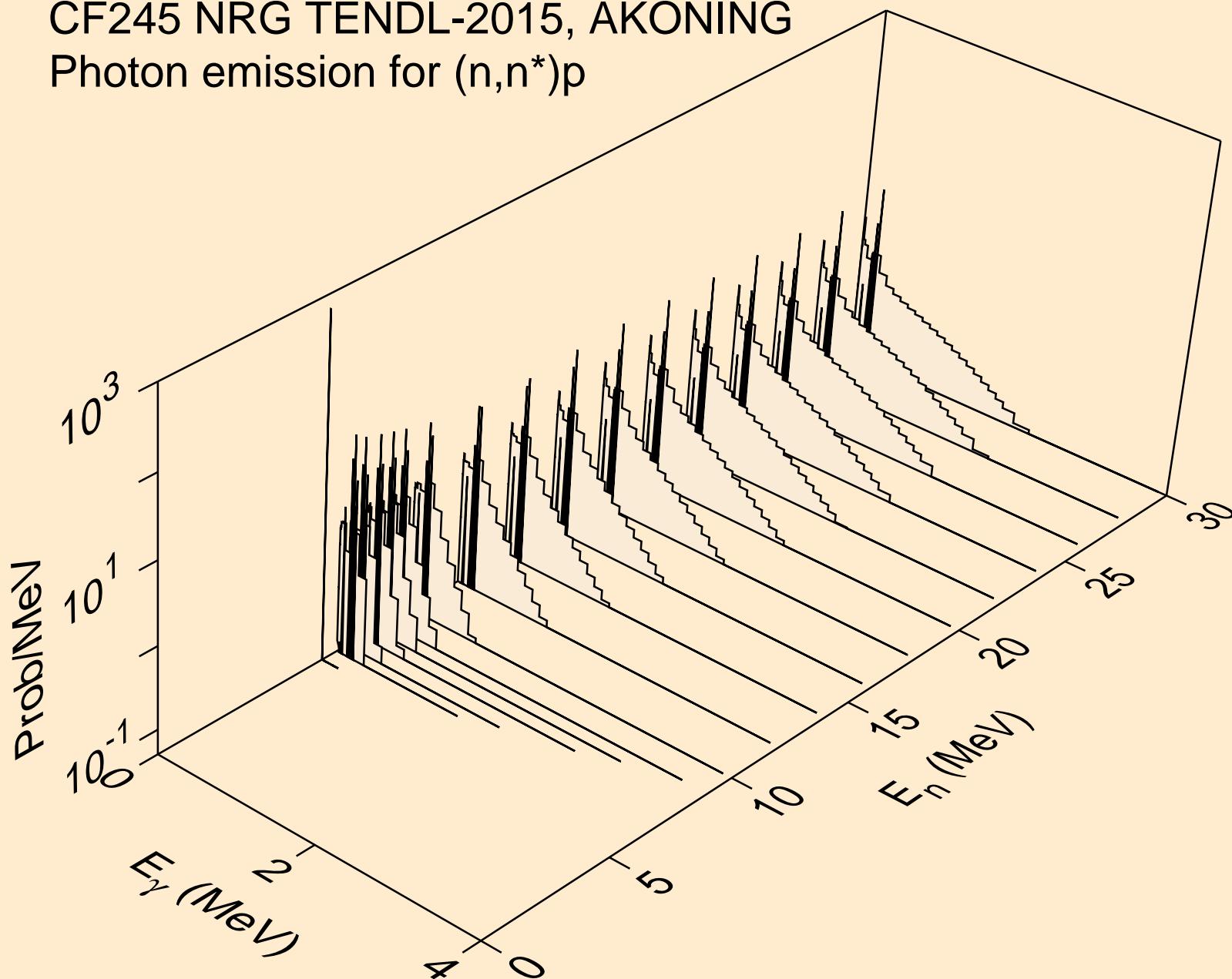
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



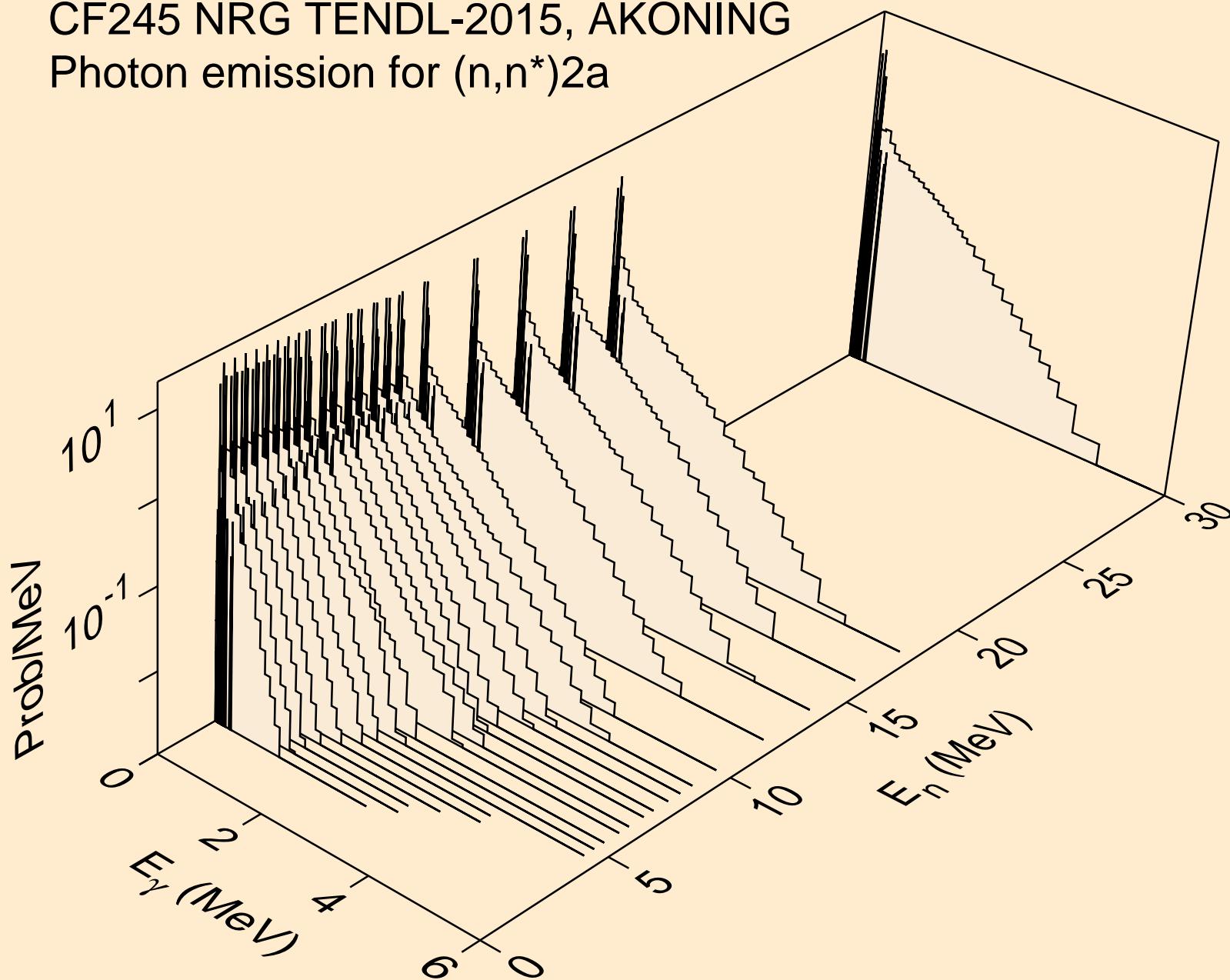
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



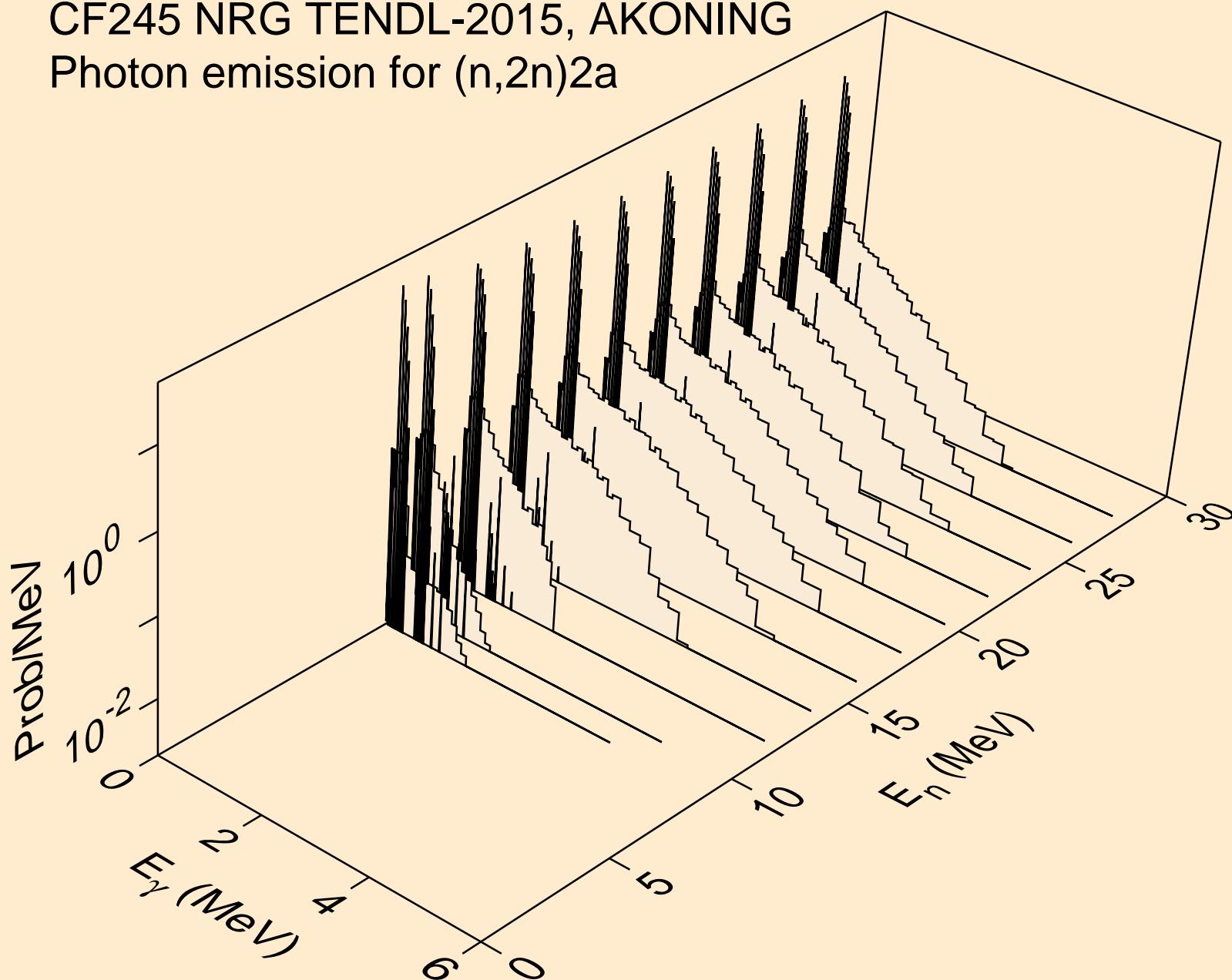
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



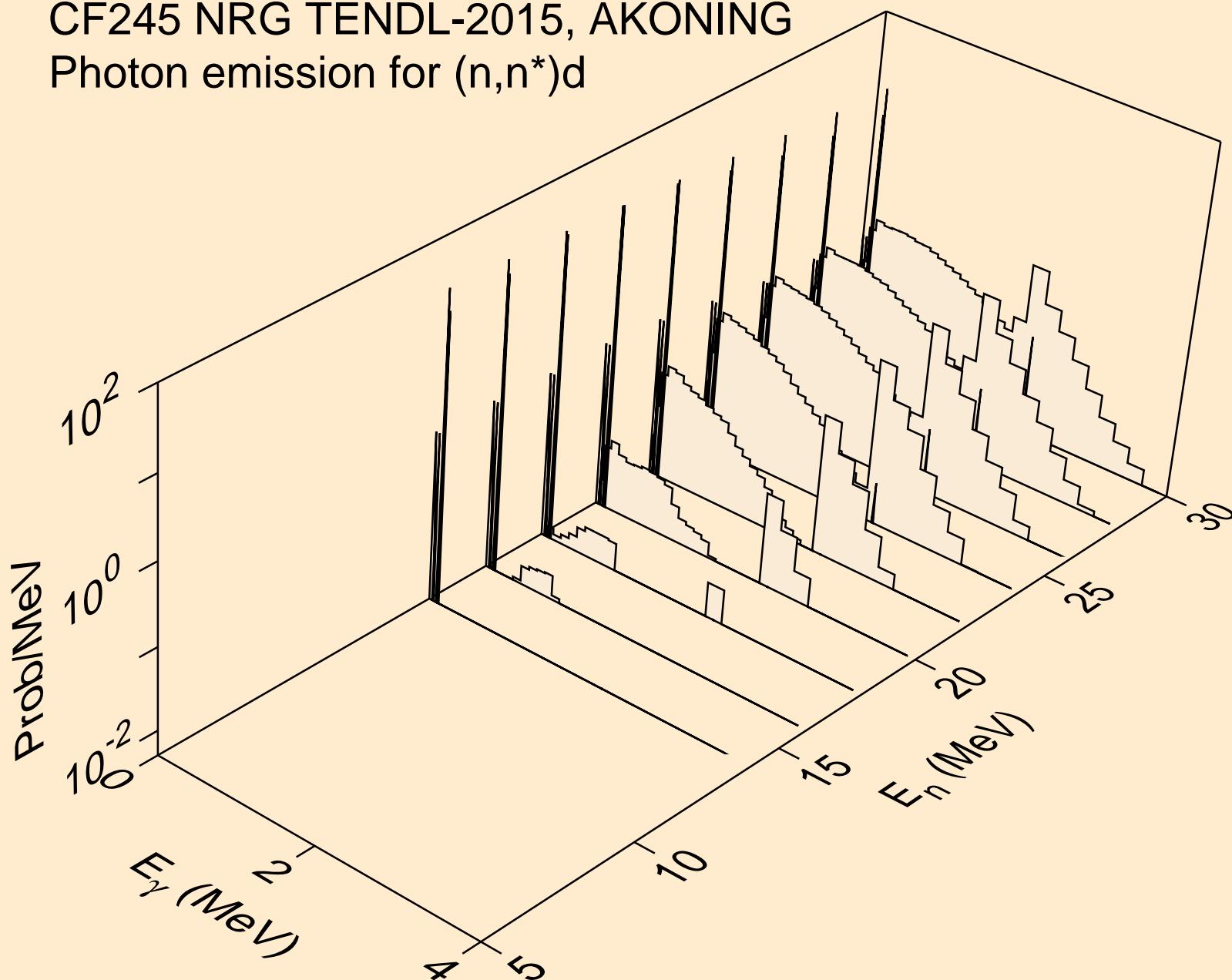
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



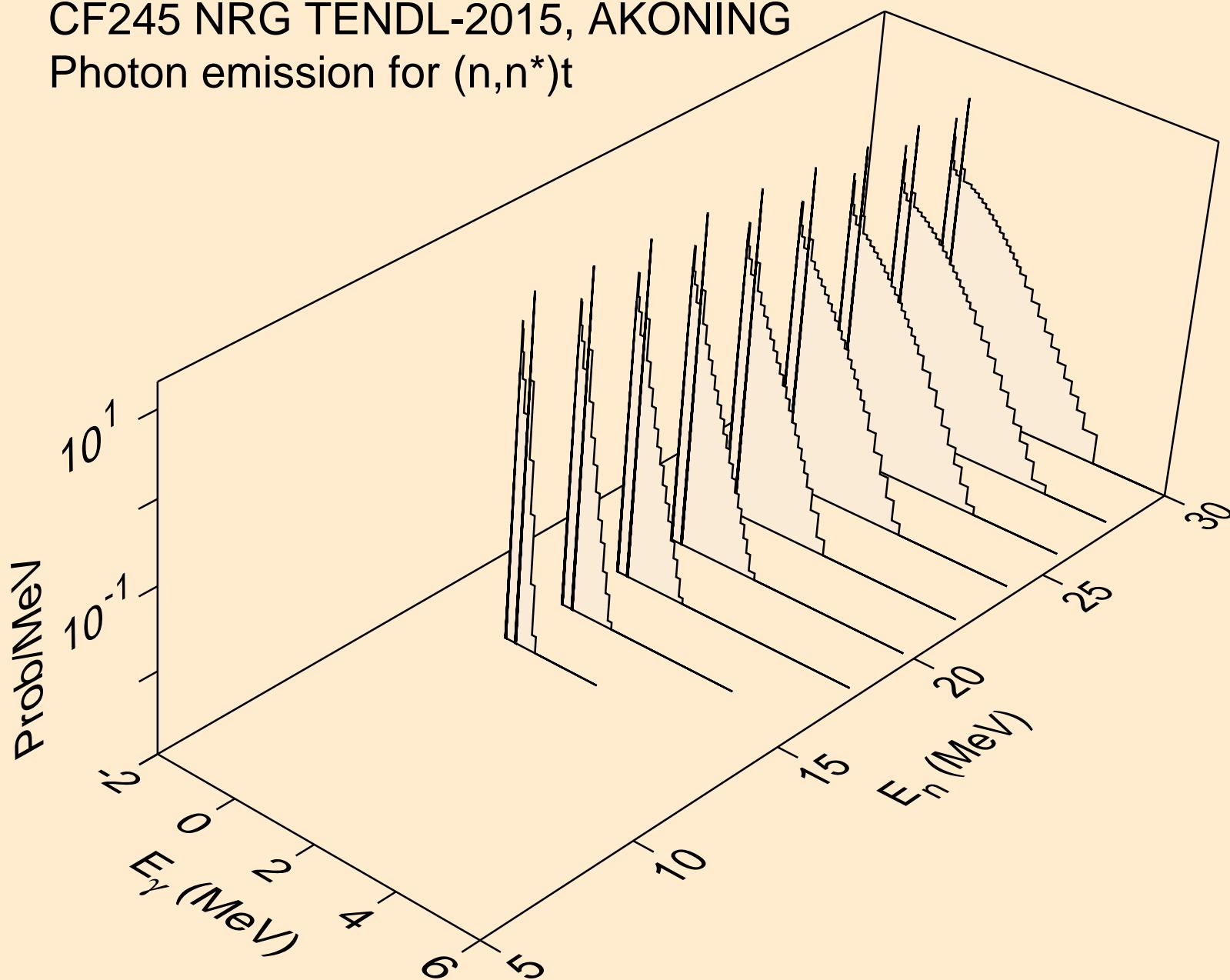
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,2n)2a$



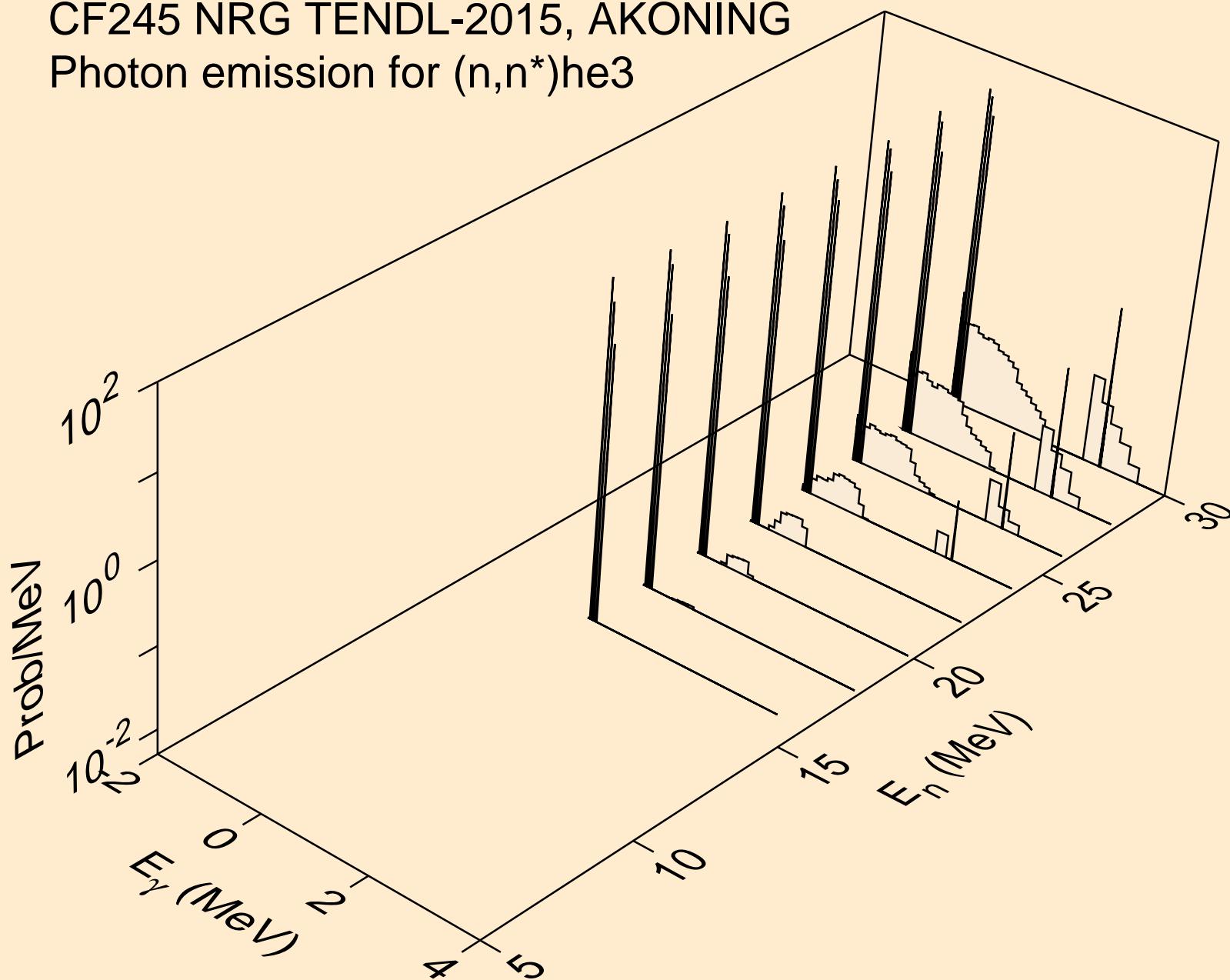
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d$



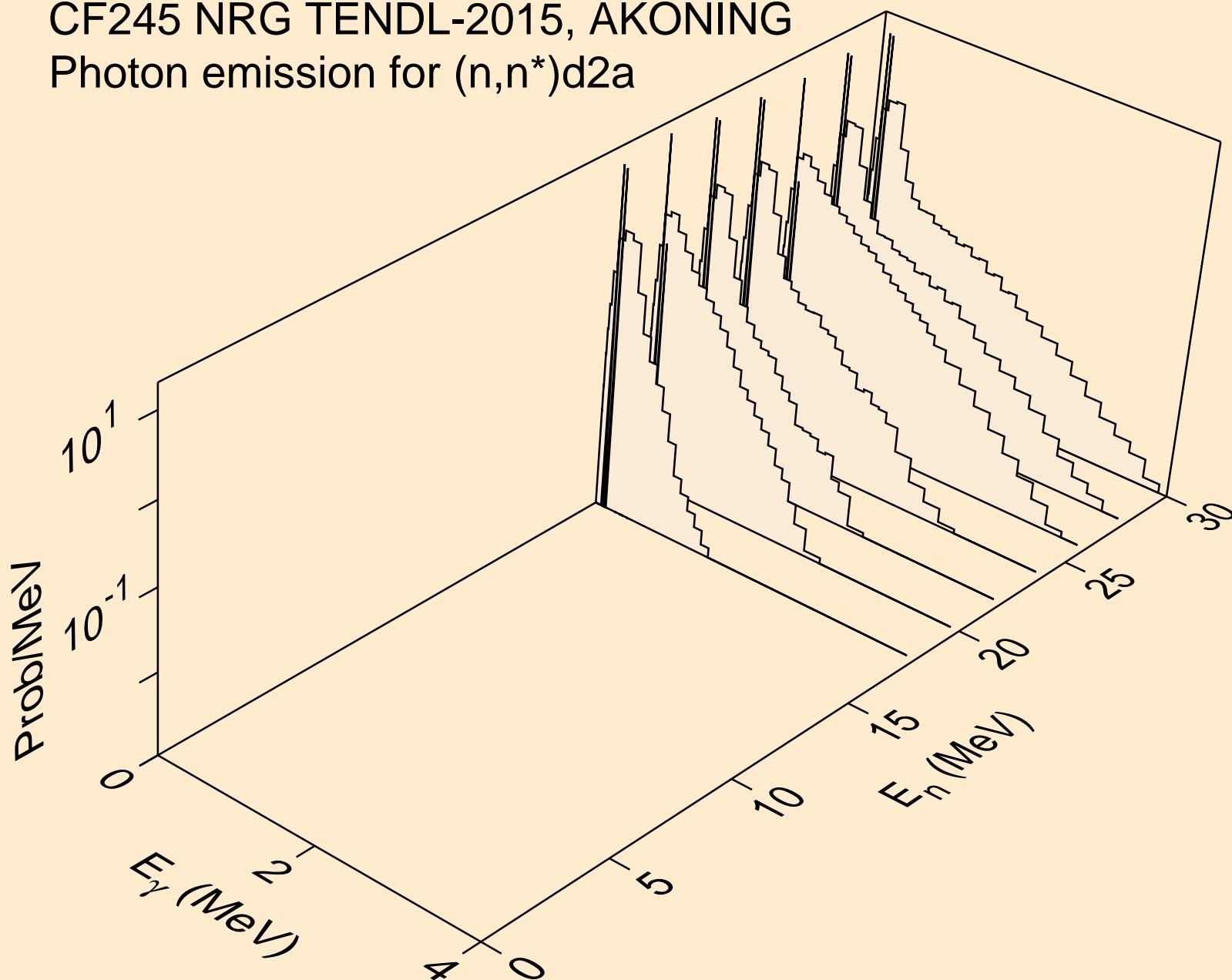
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



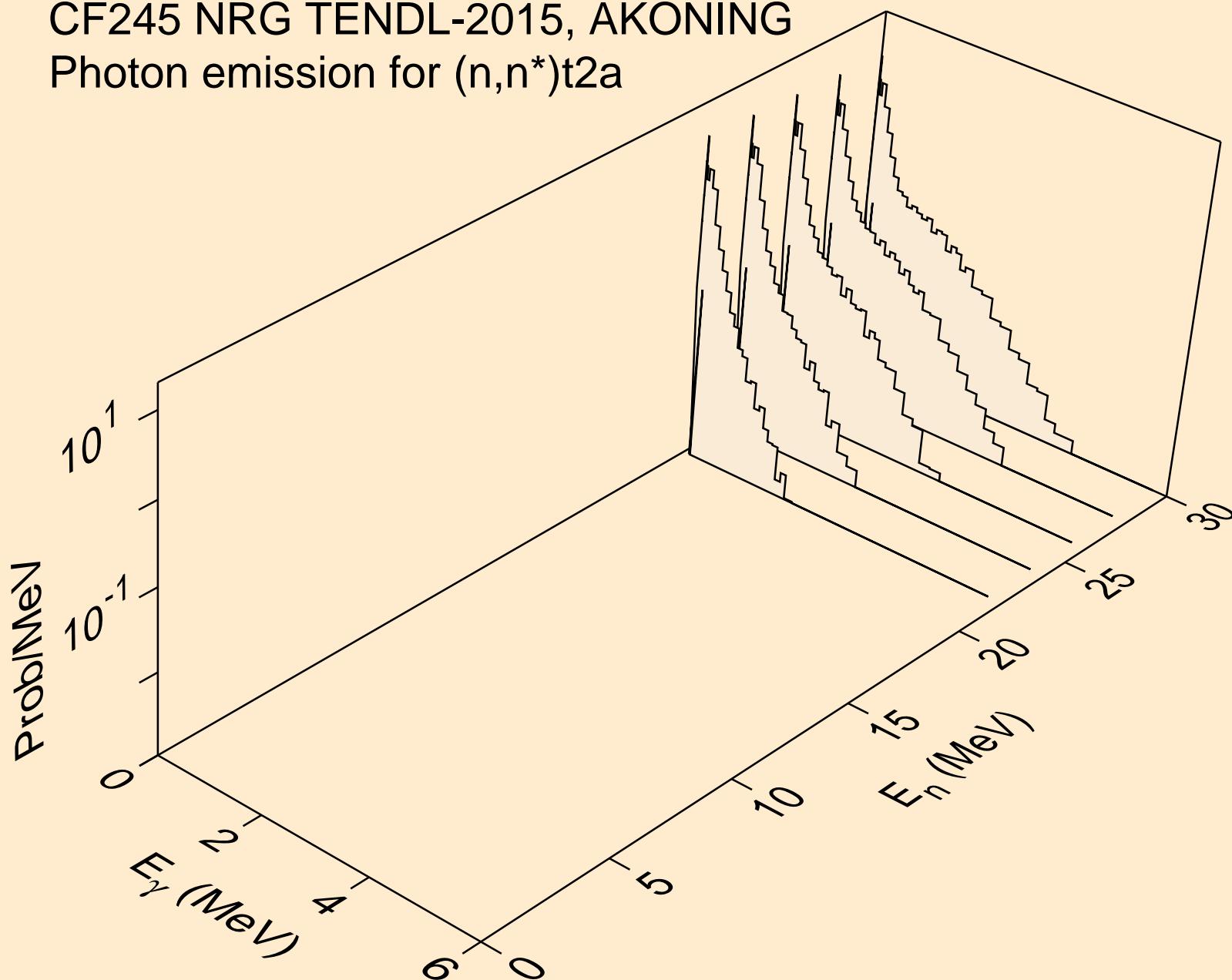
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



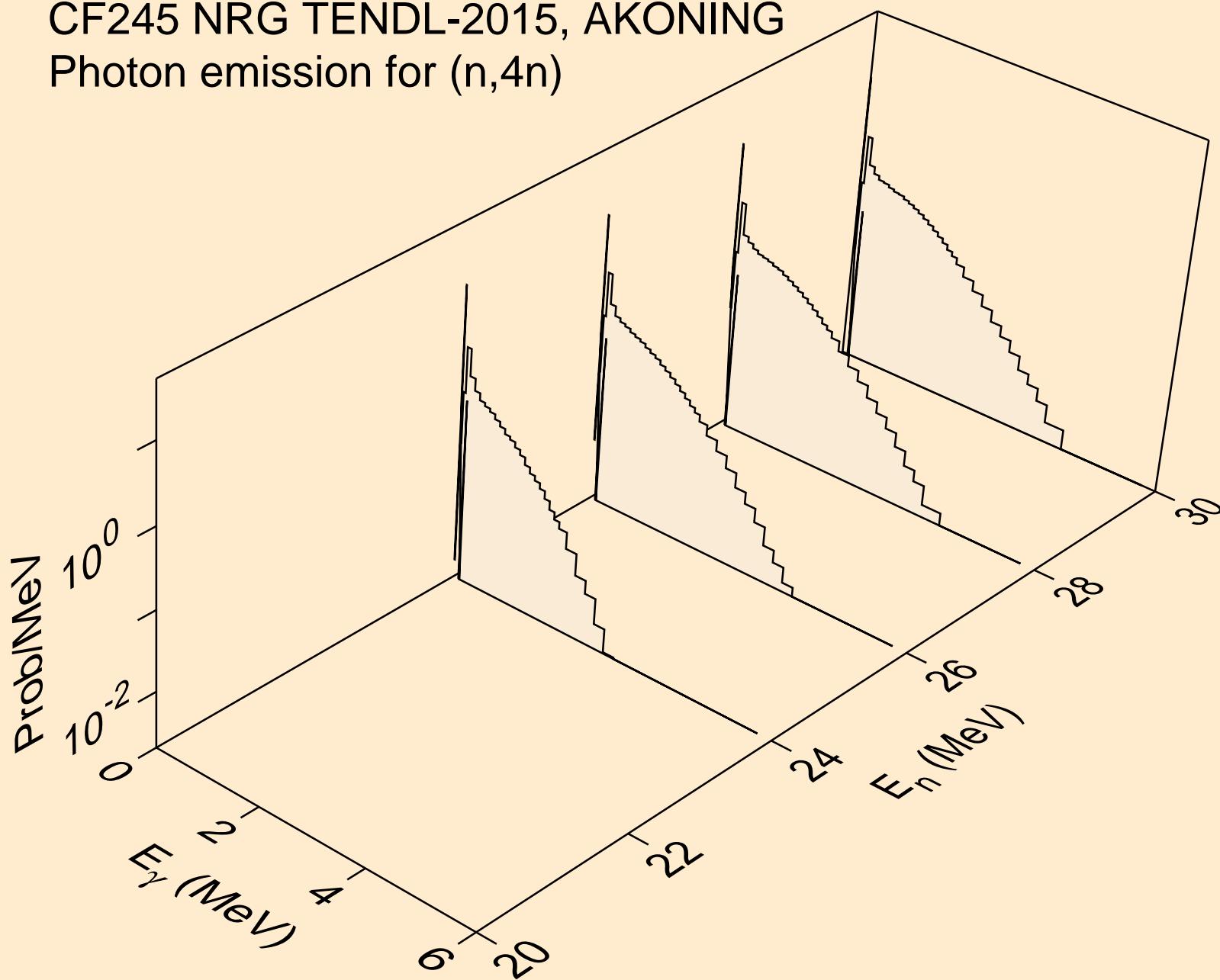
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d2a$



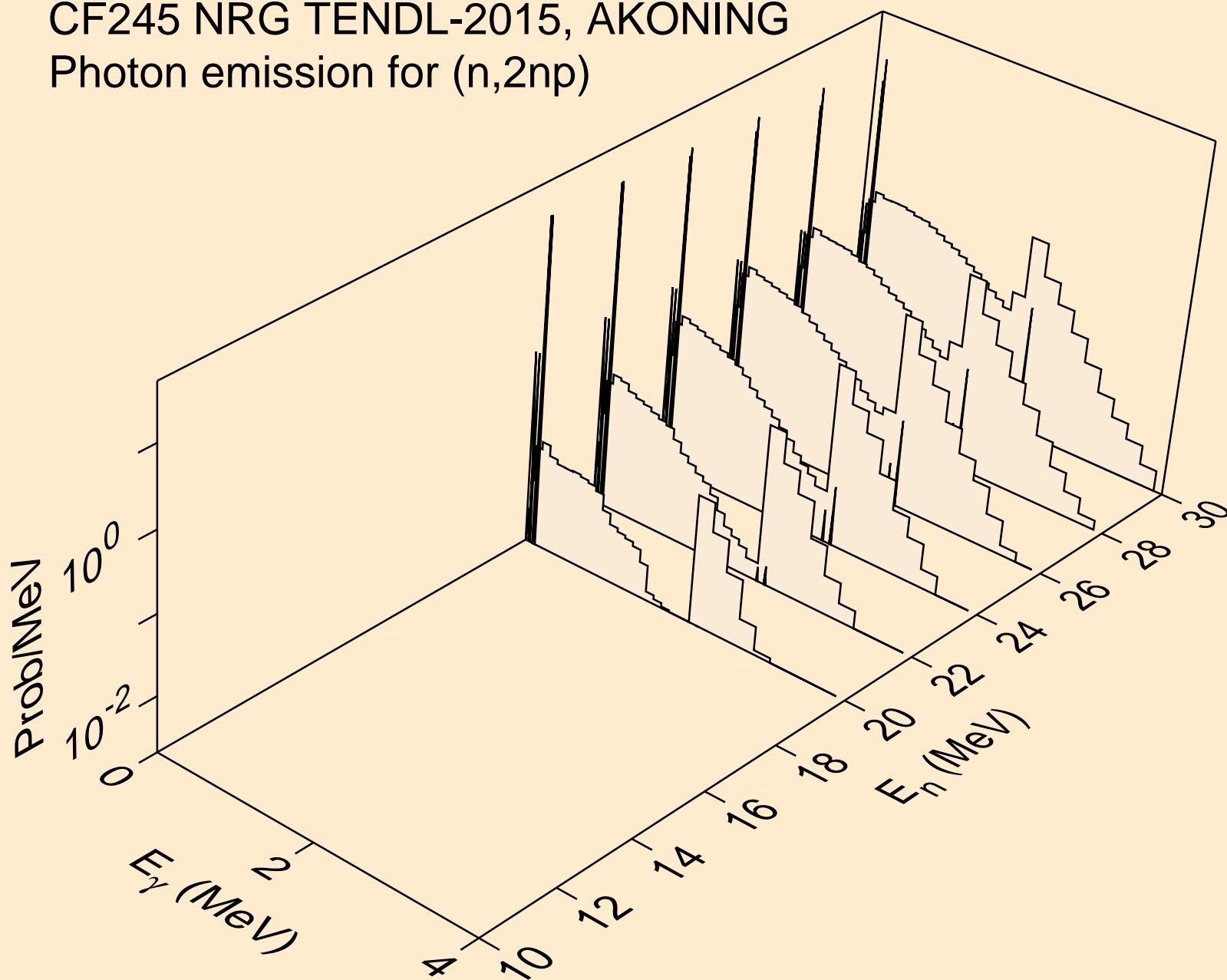
CF245 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t2a$



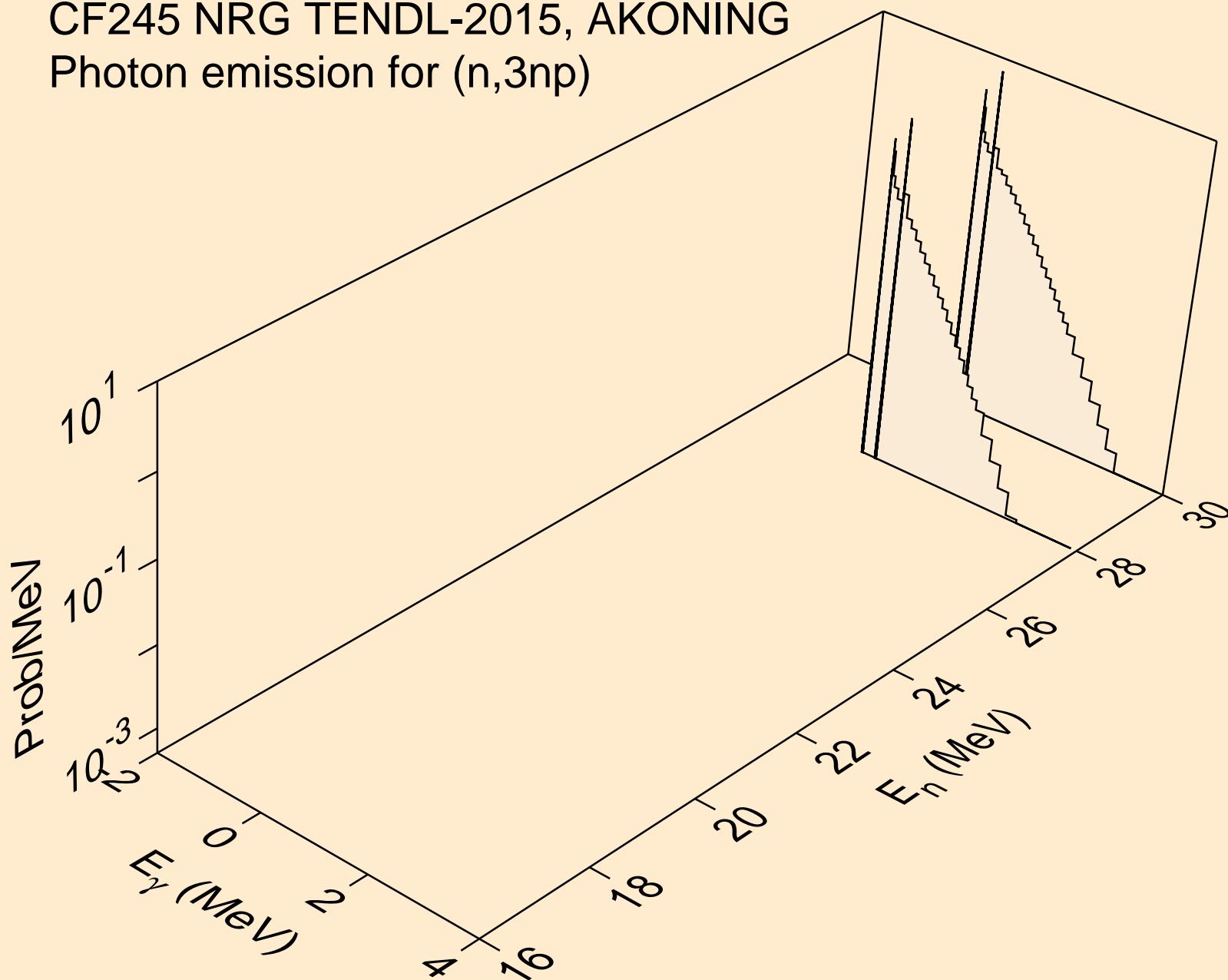
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



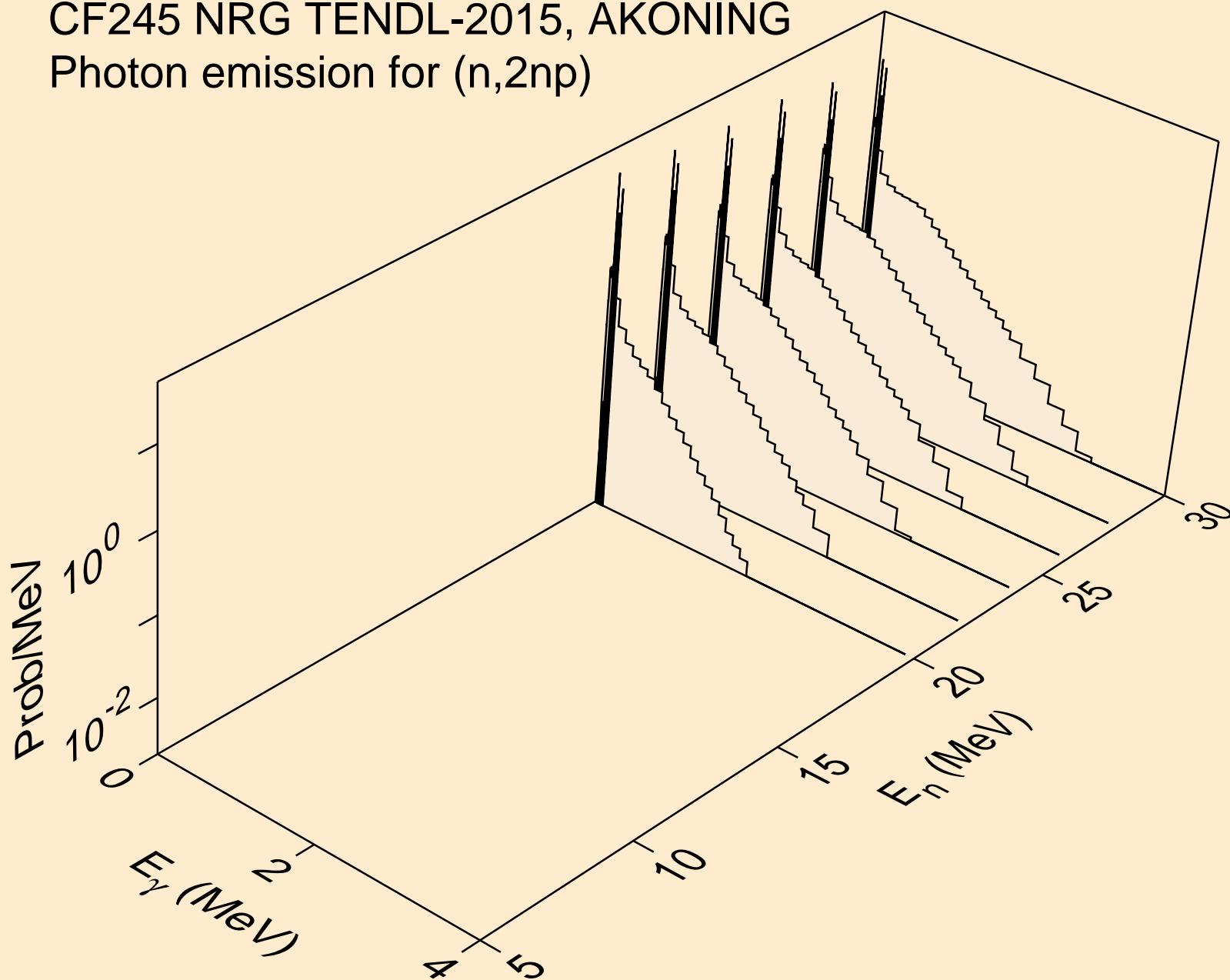
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Photon emission for (n,2np)



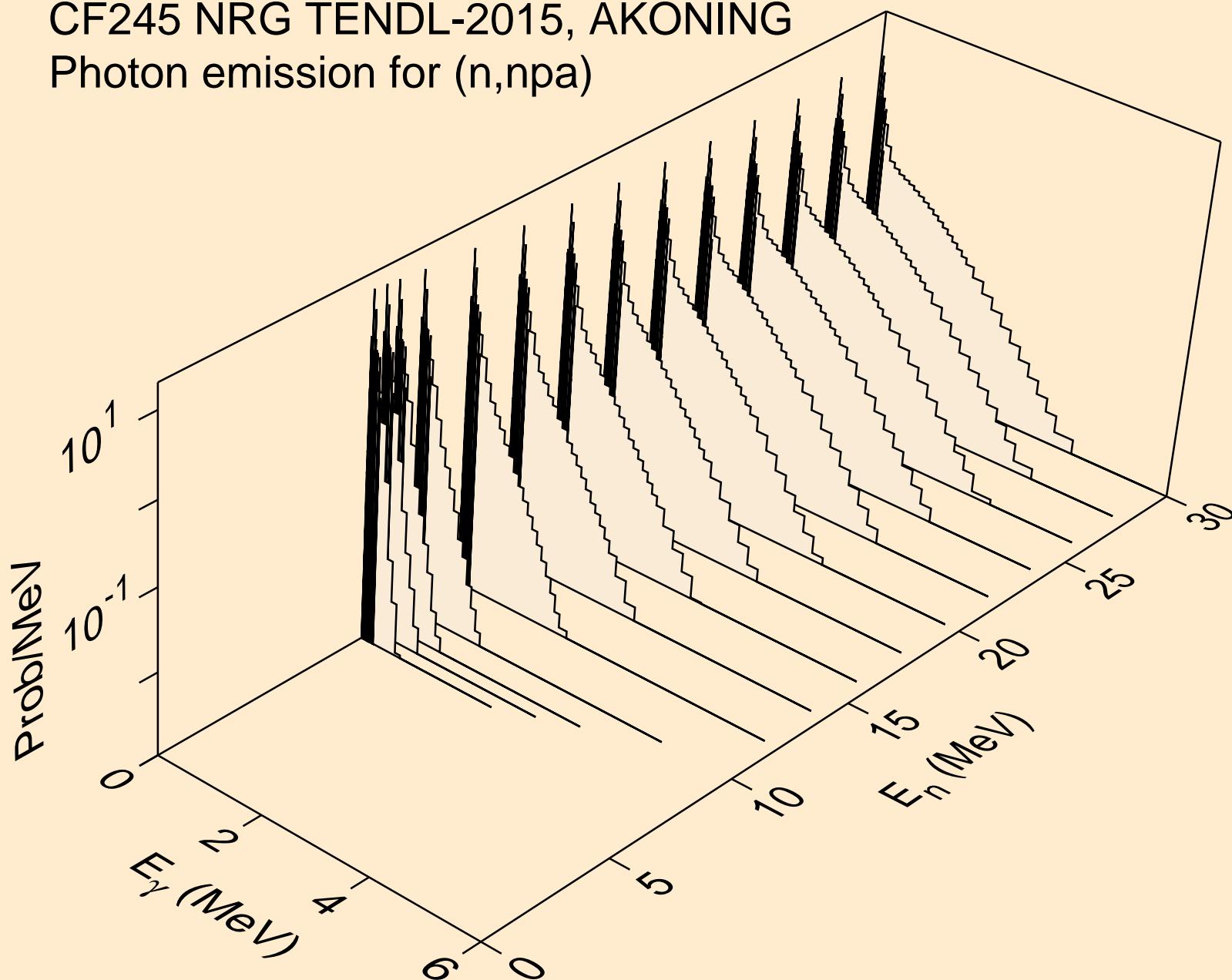
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Photon emission for (n,3np)



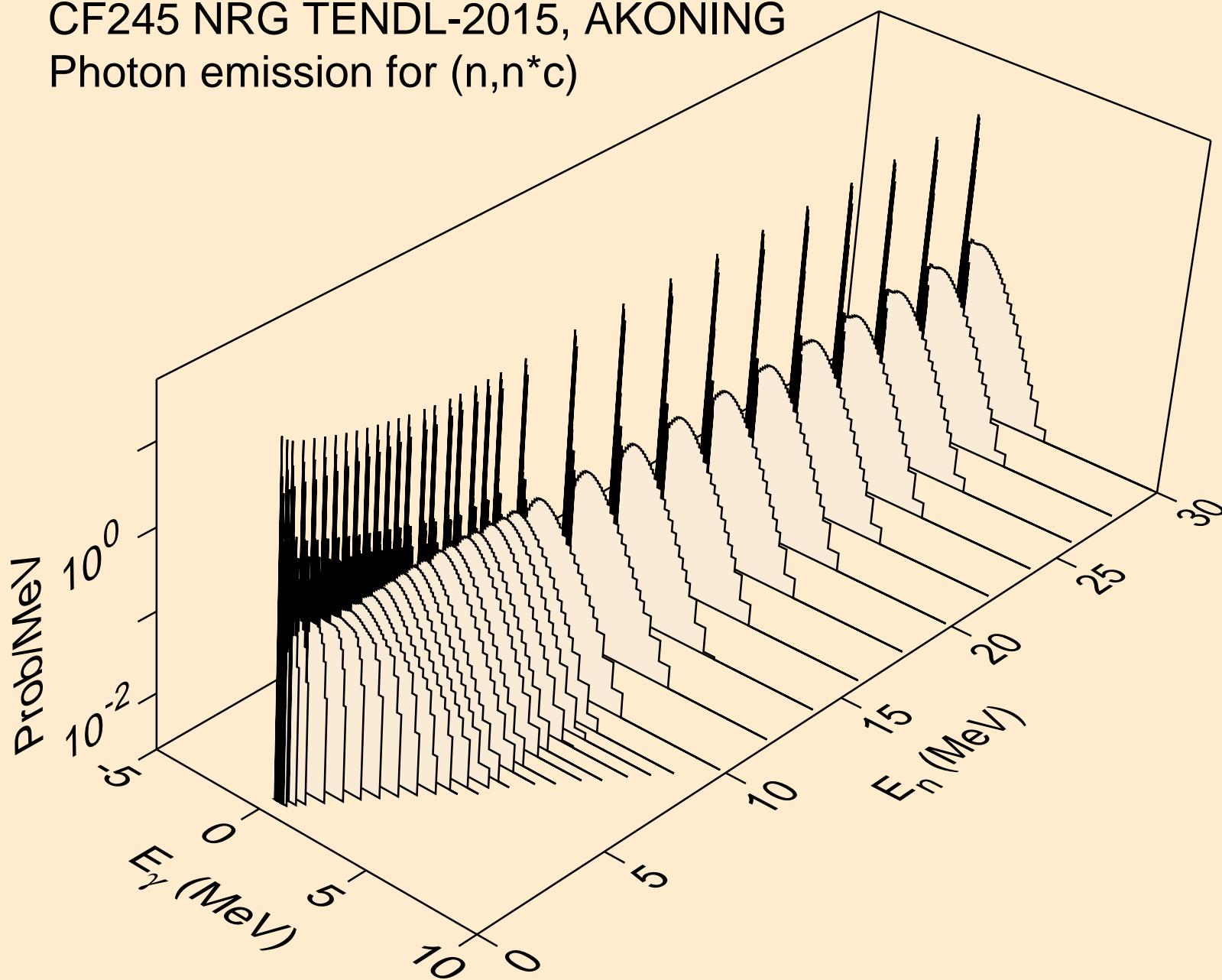
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Photon emission for (n,2np)



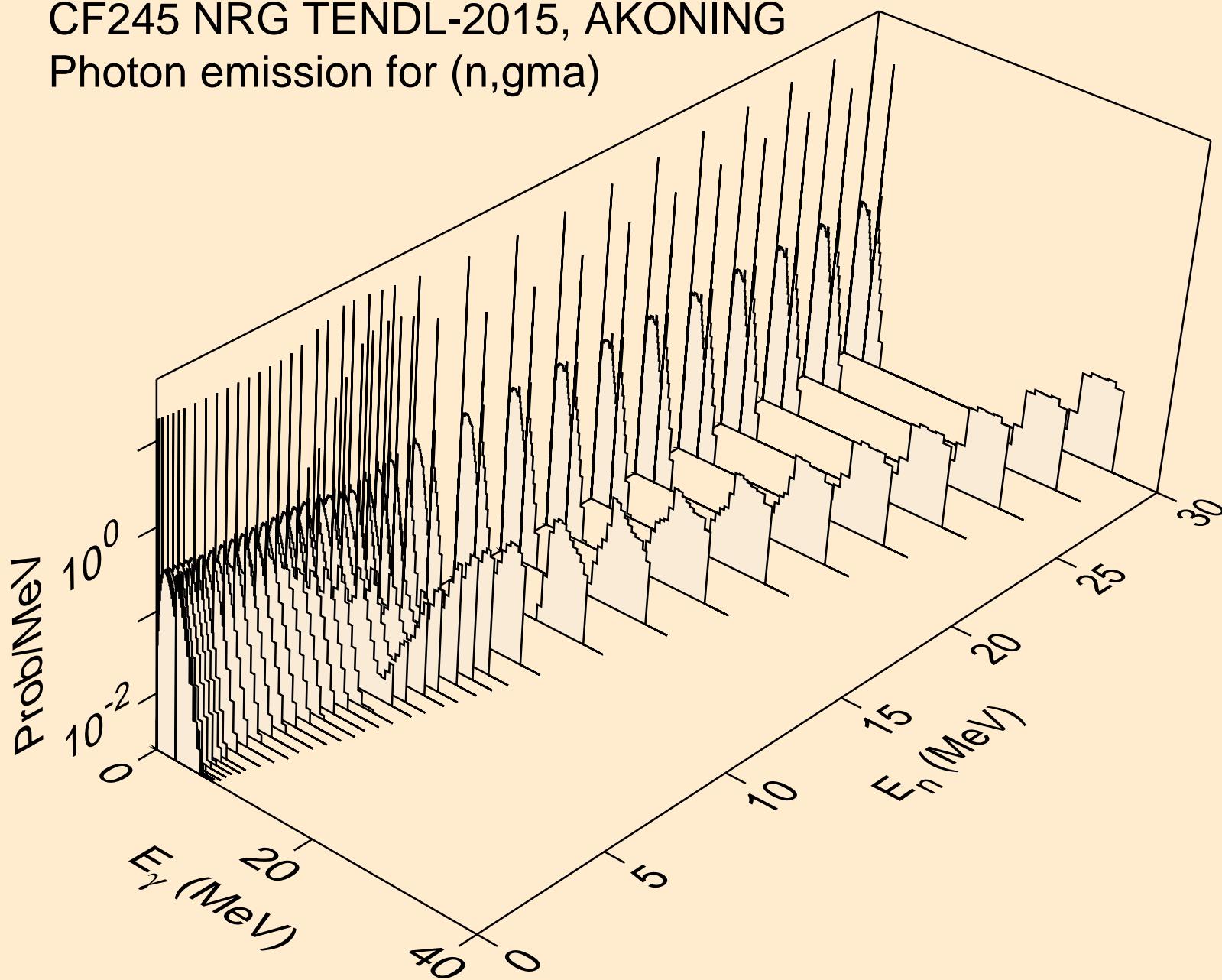
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



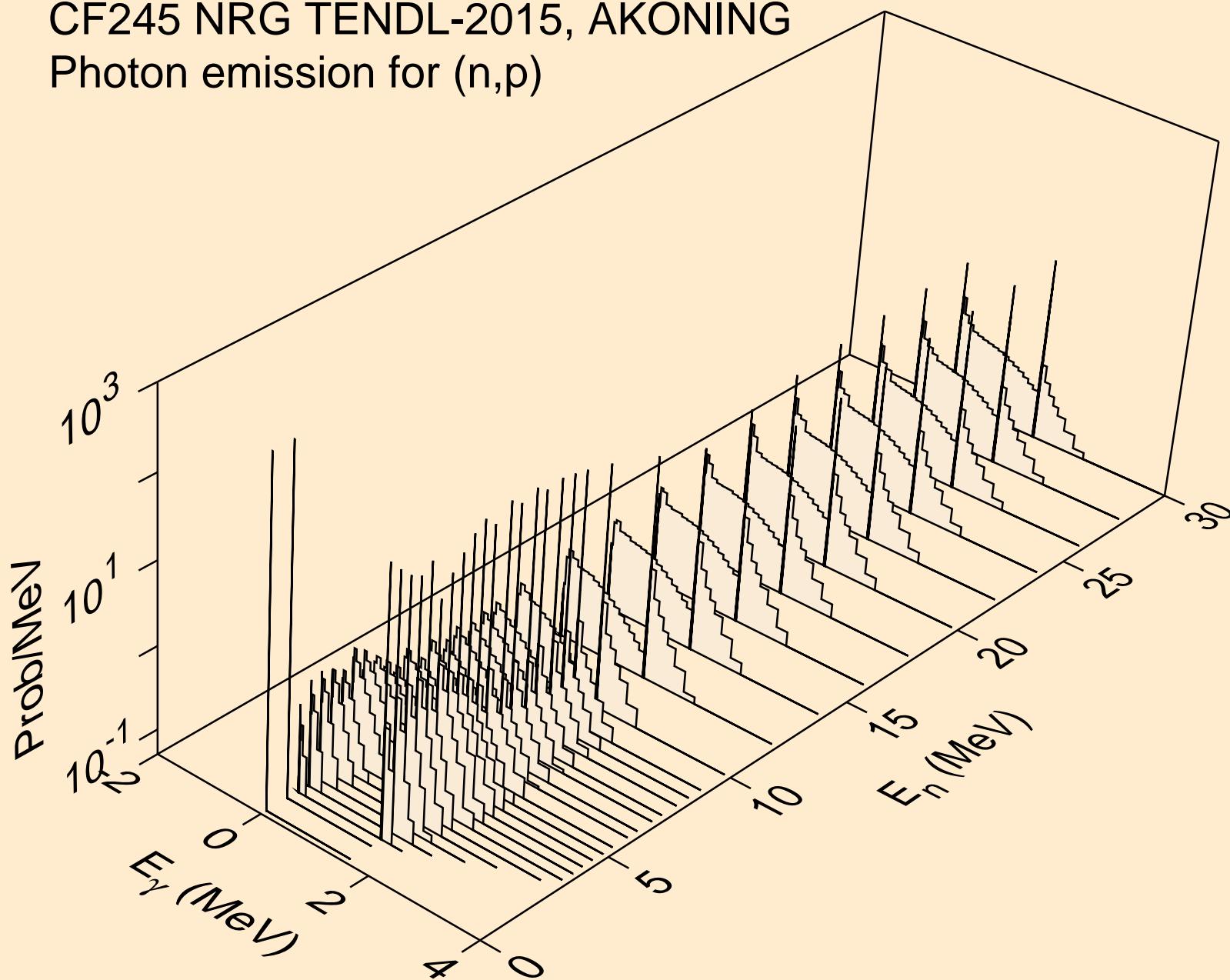
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



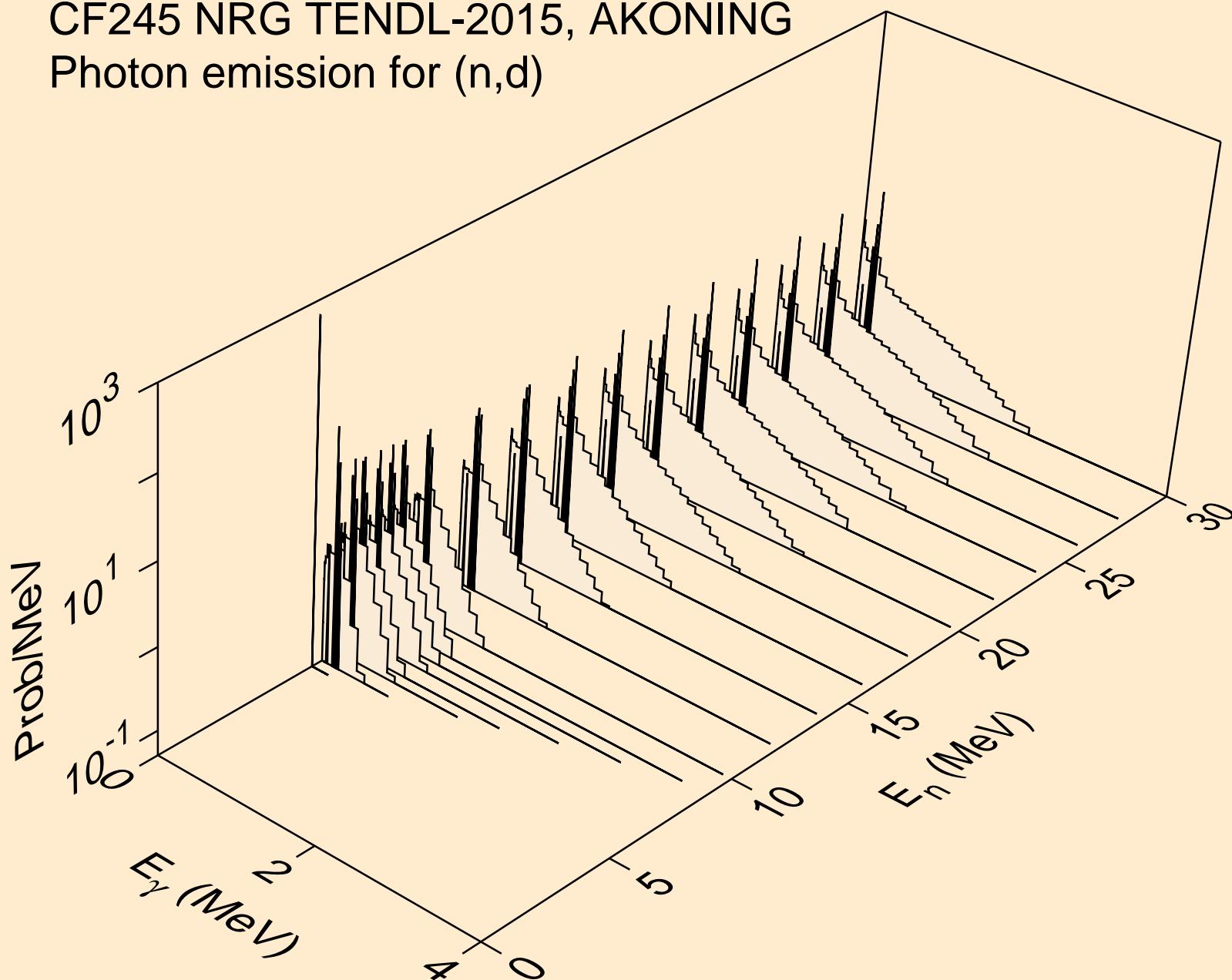
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



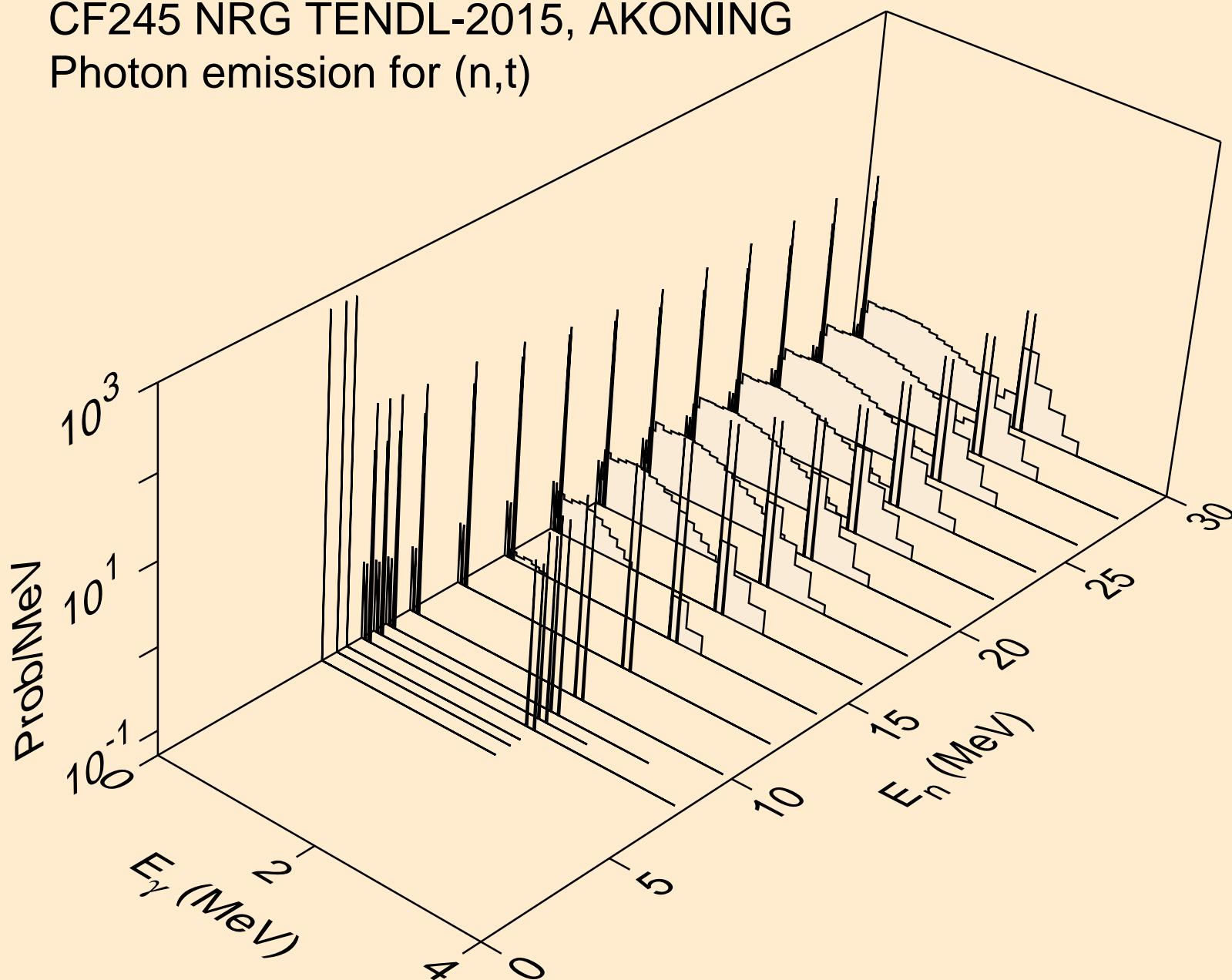
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



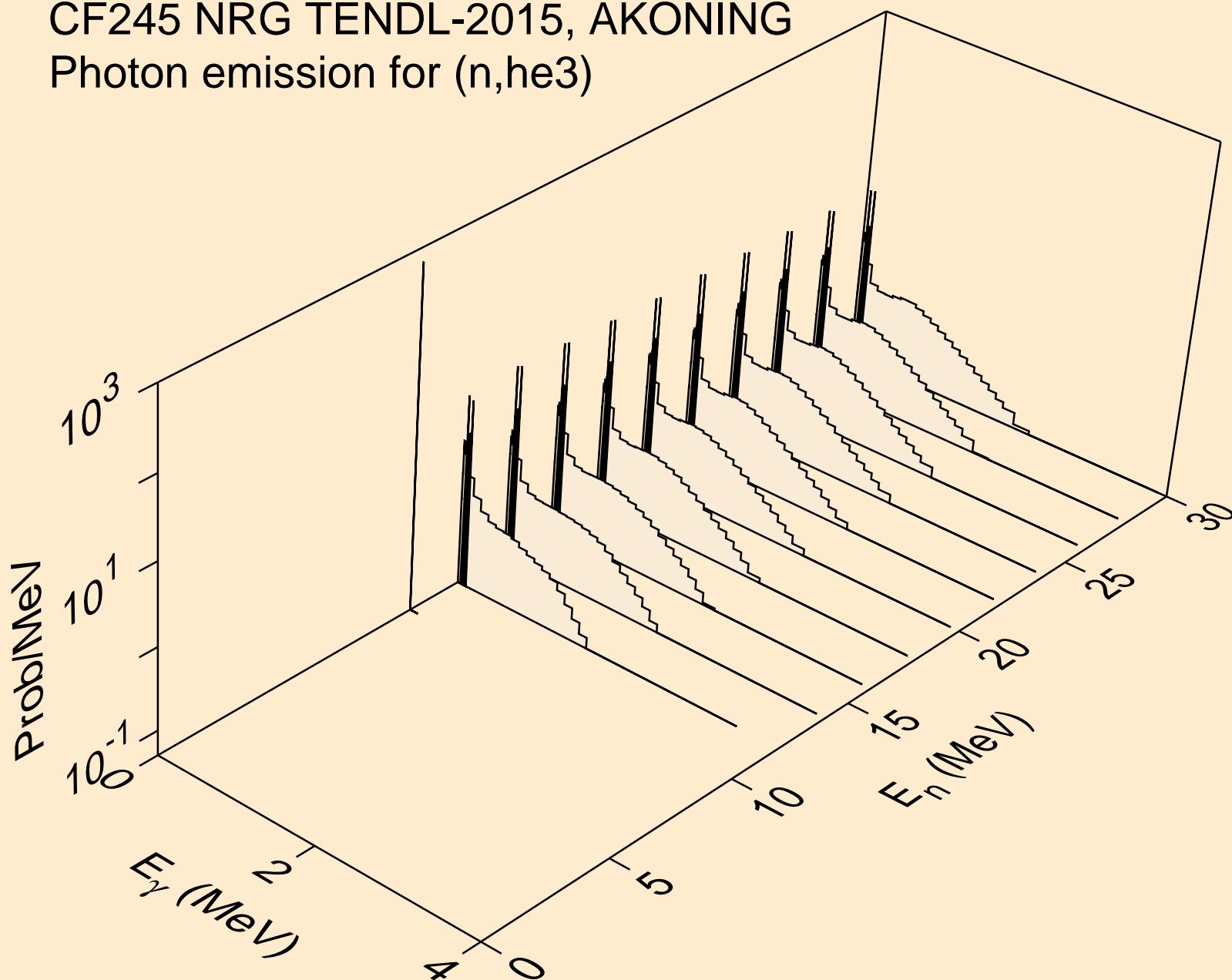
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Photon emission for (n,d)



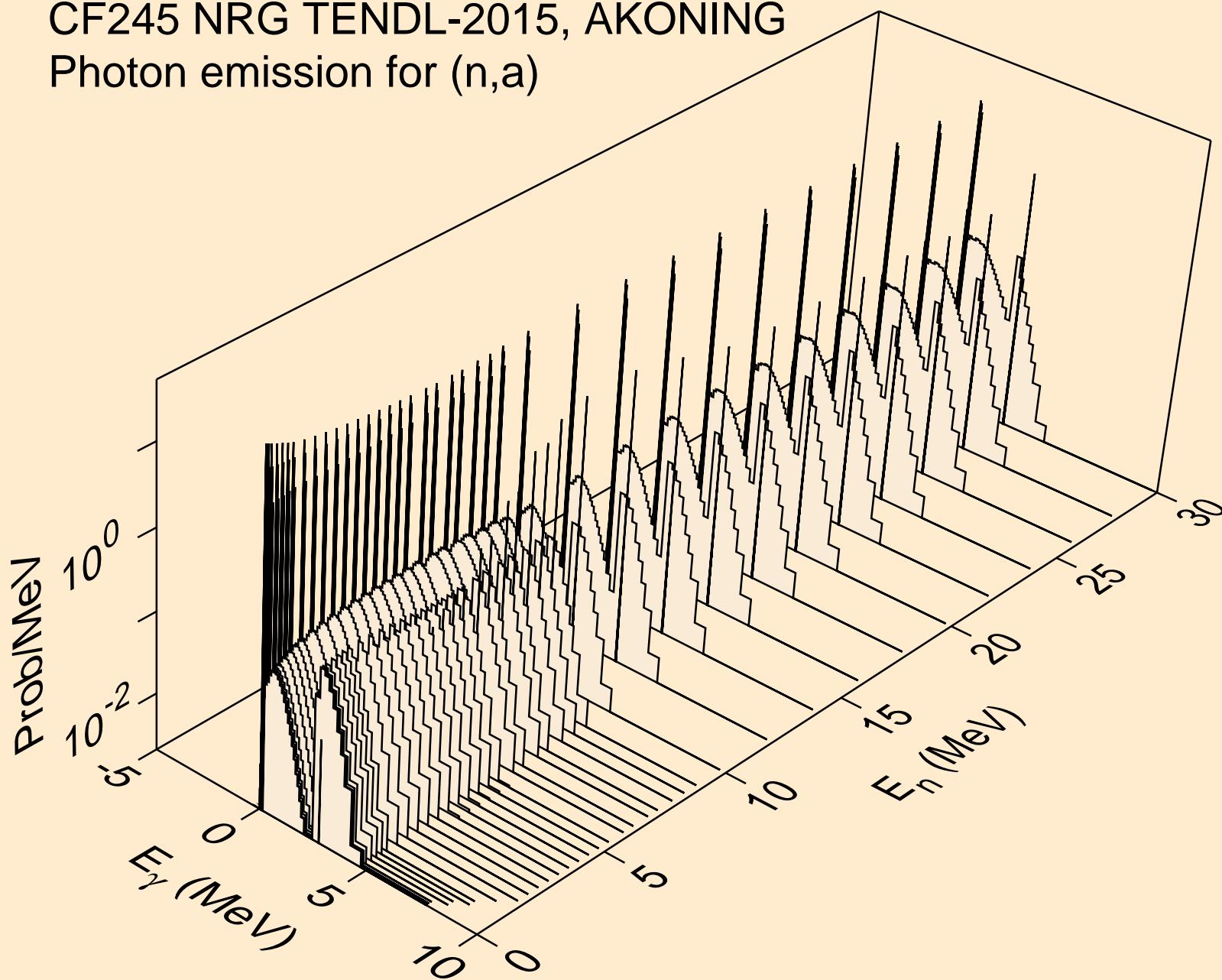
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Photon emission for (n,t)



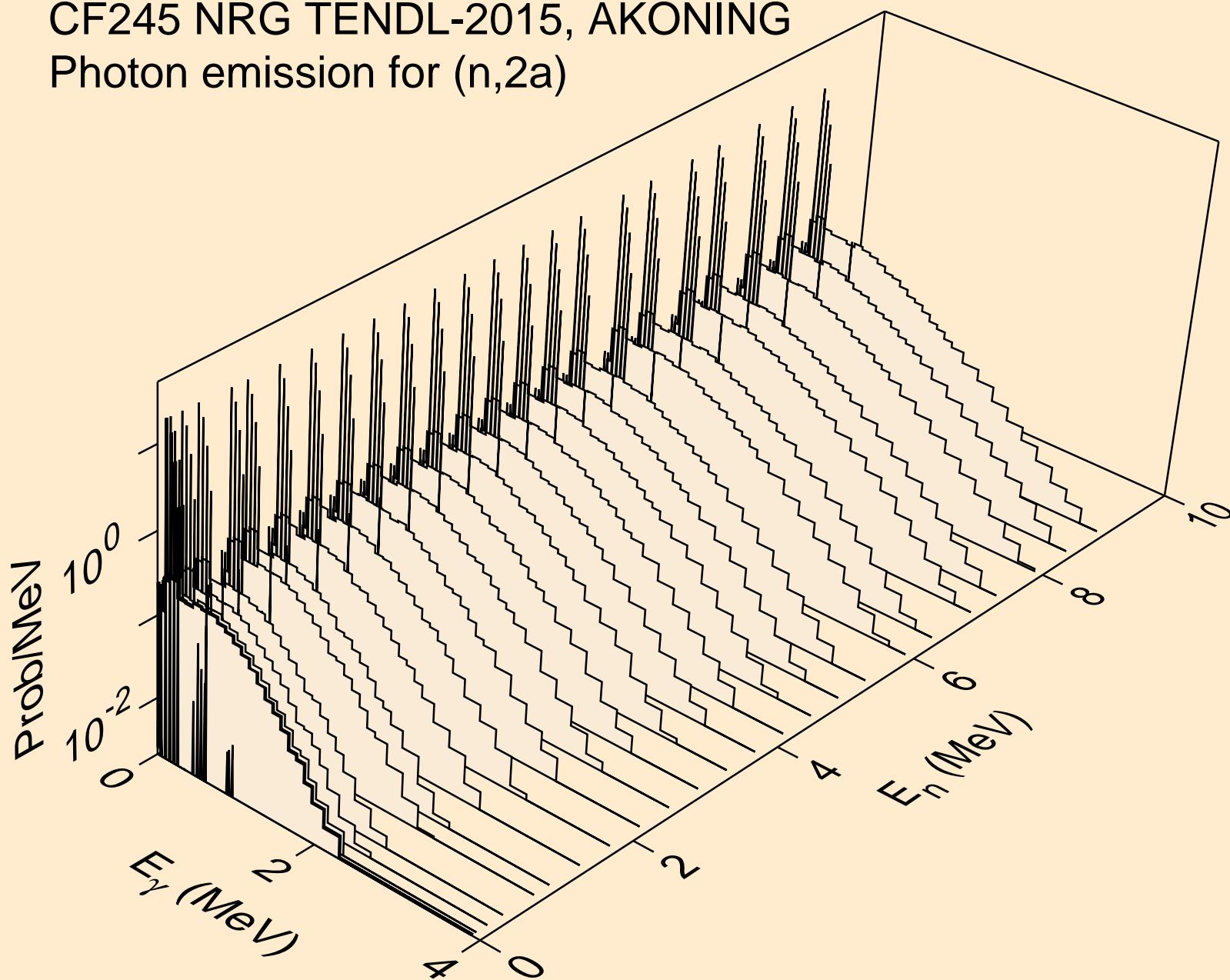
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



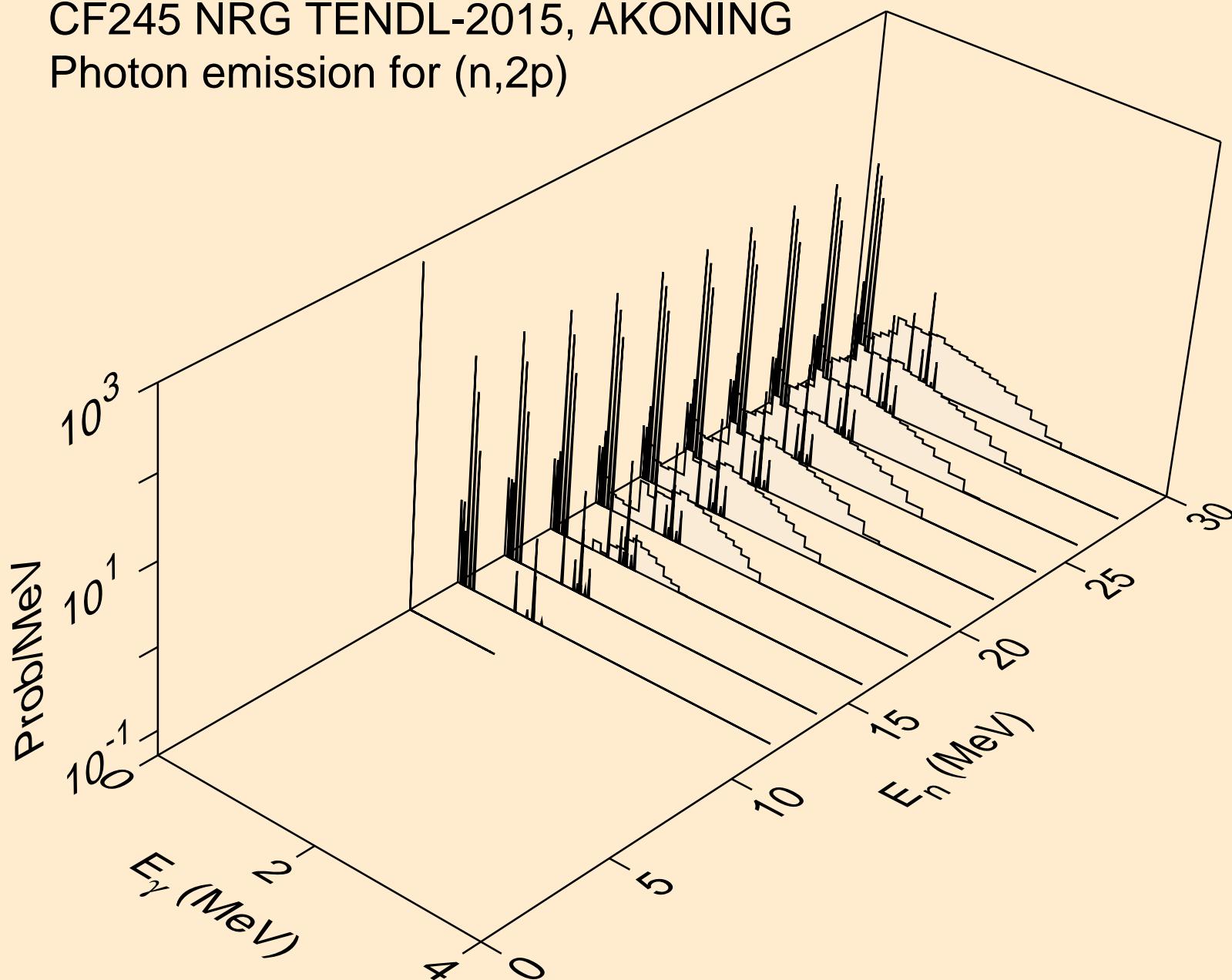
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



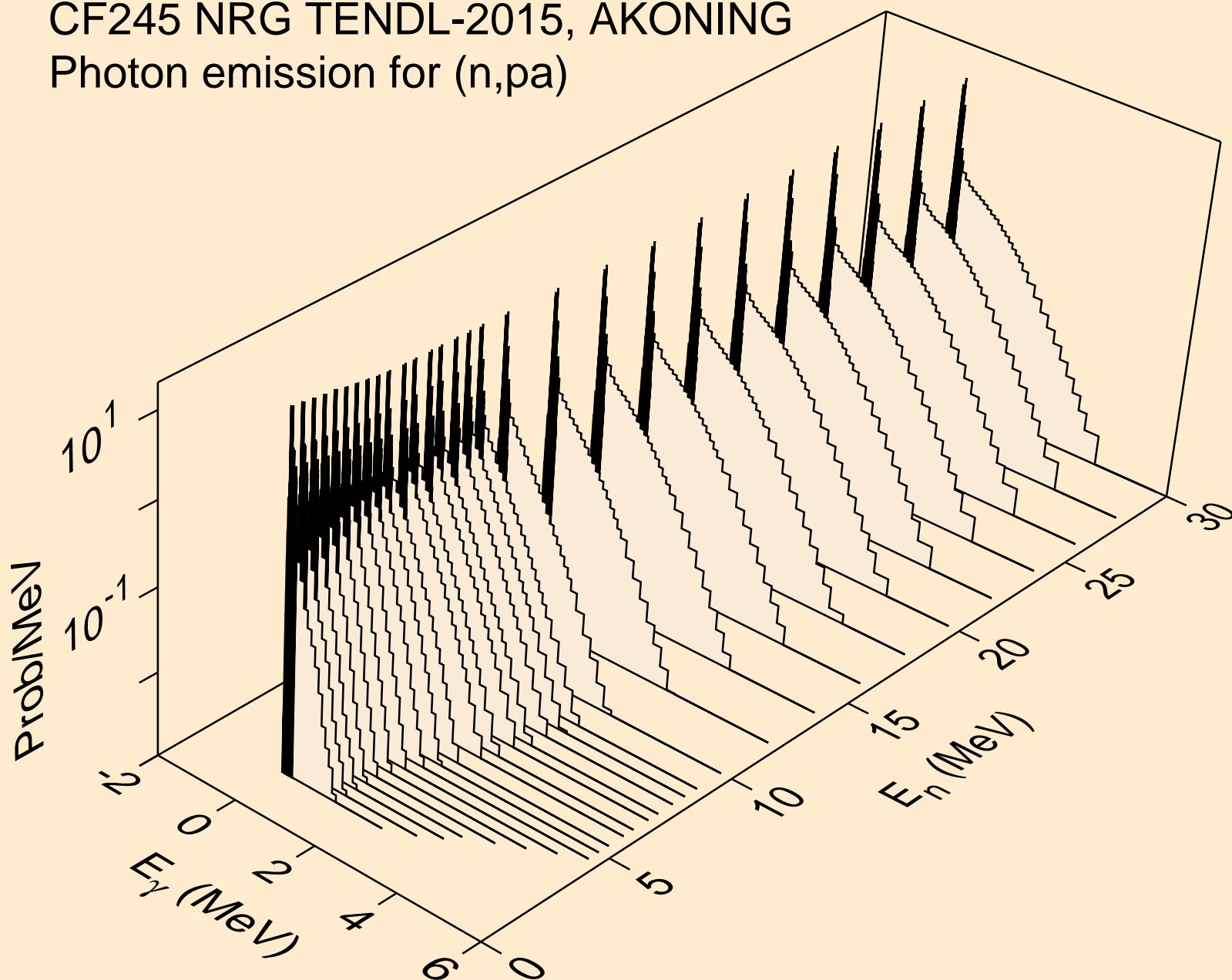
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



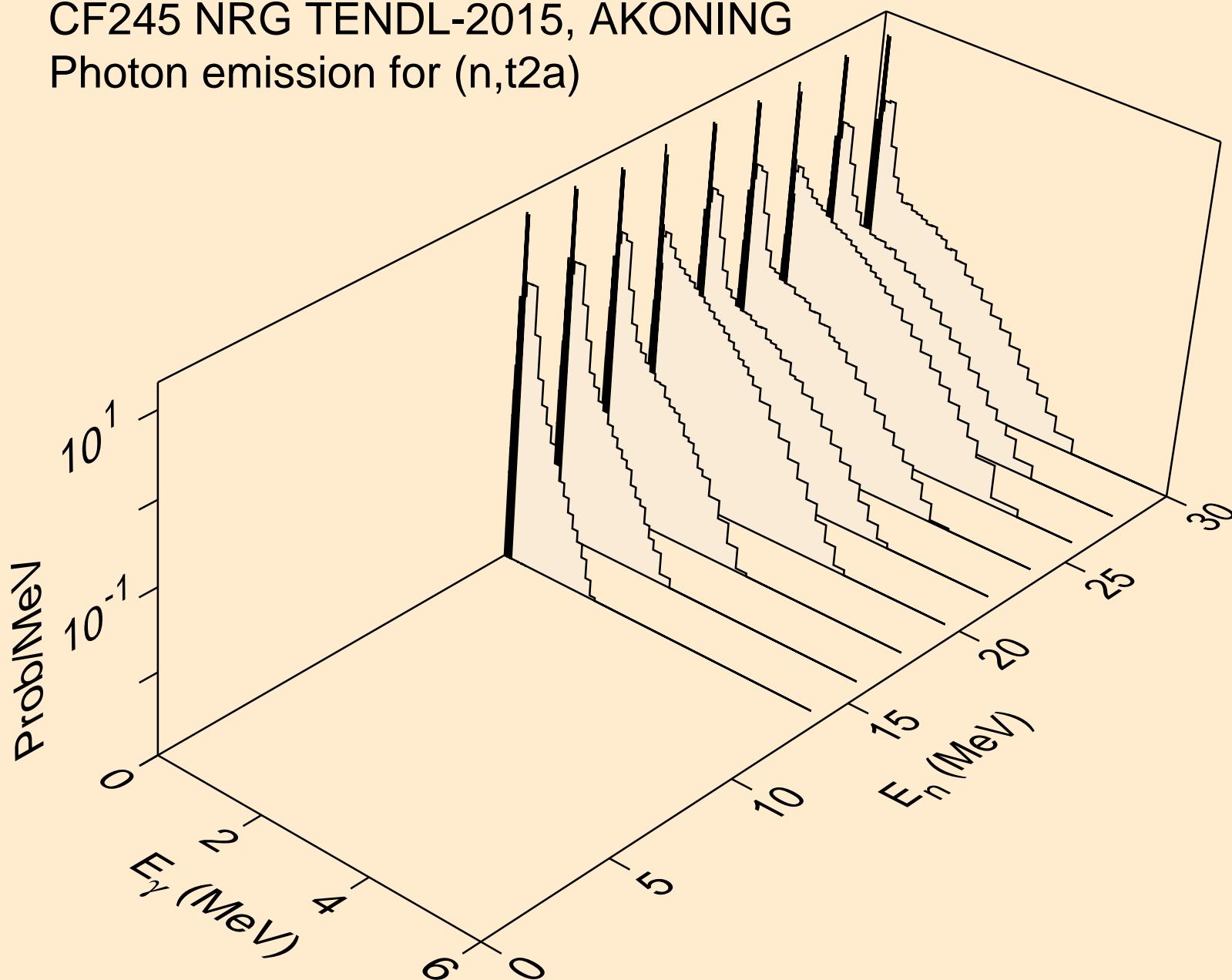
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Photon emission for (n,2p)



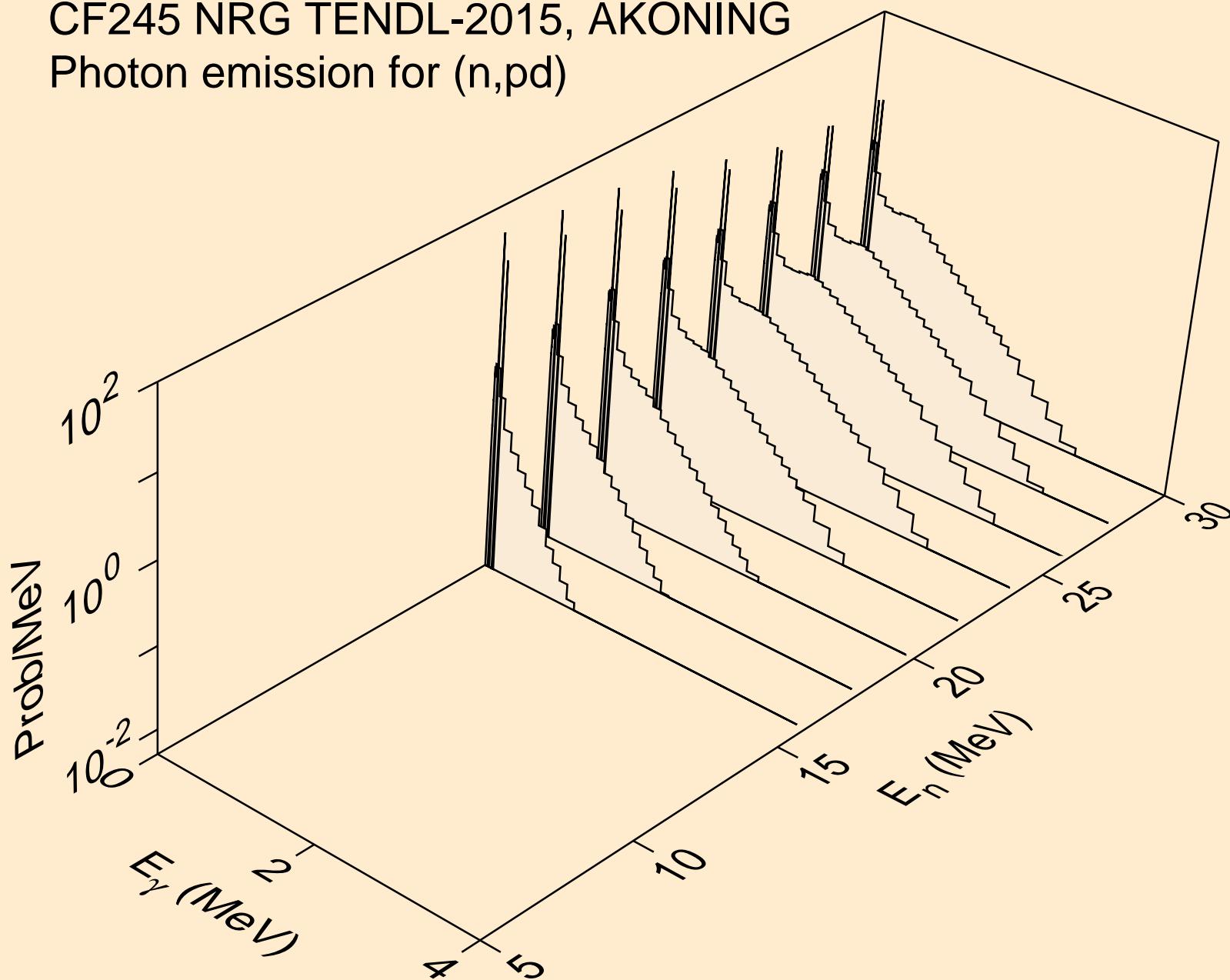
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



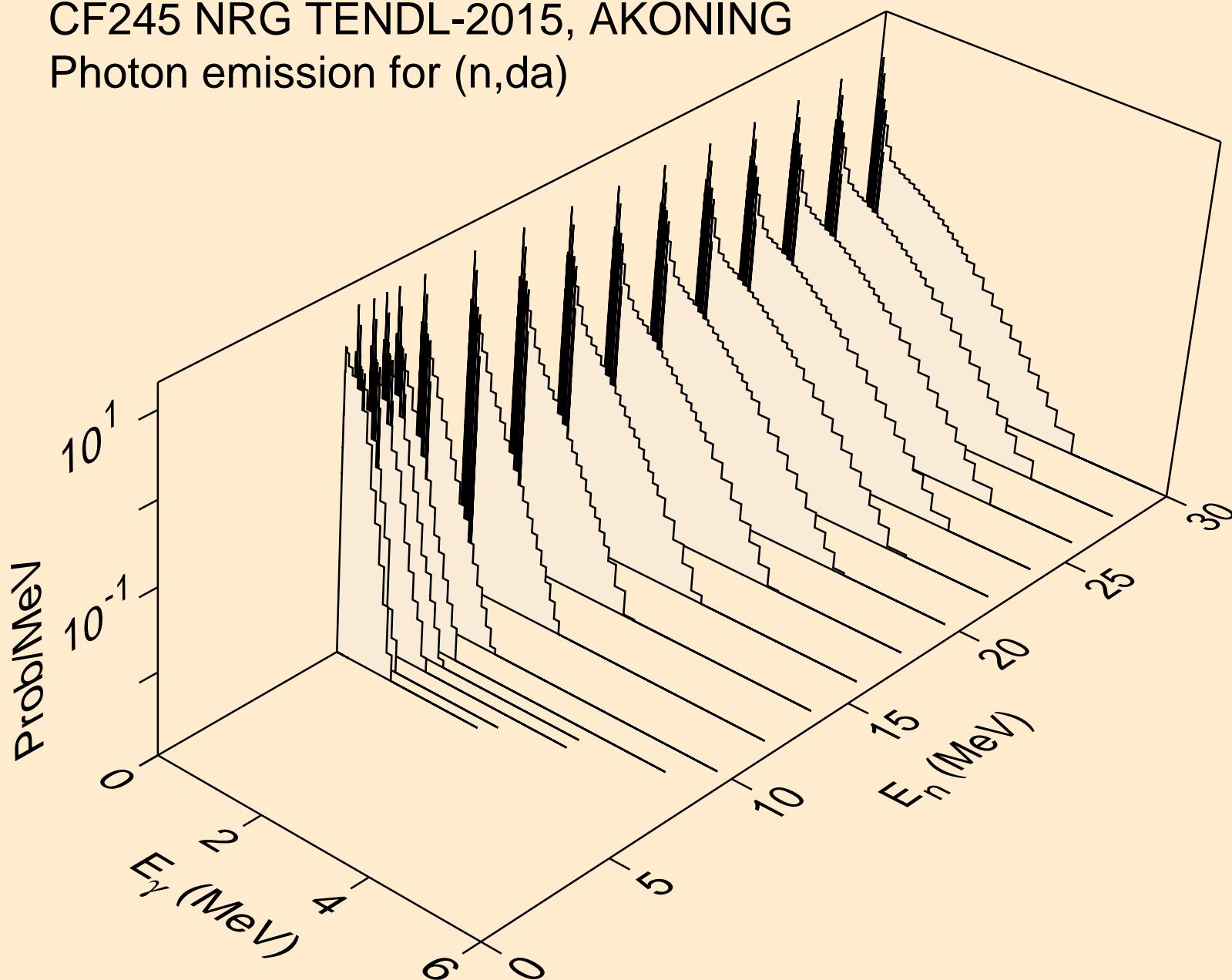
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



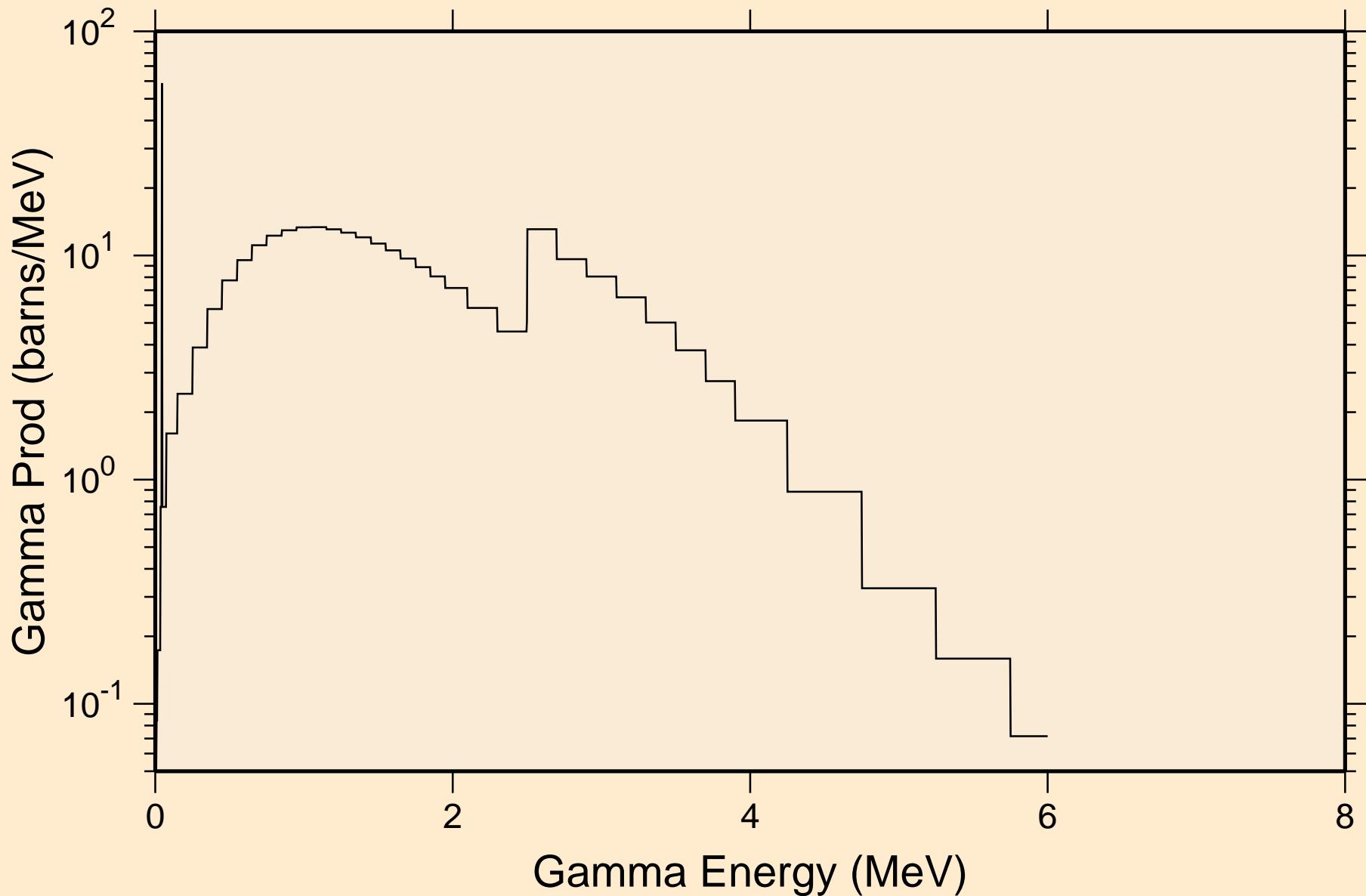
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



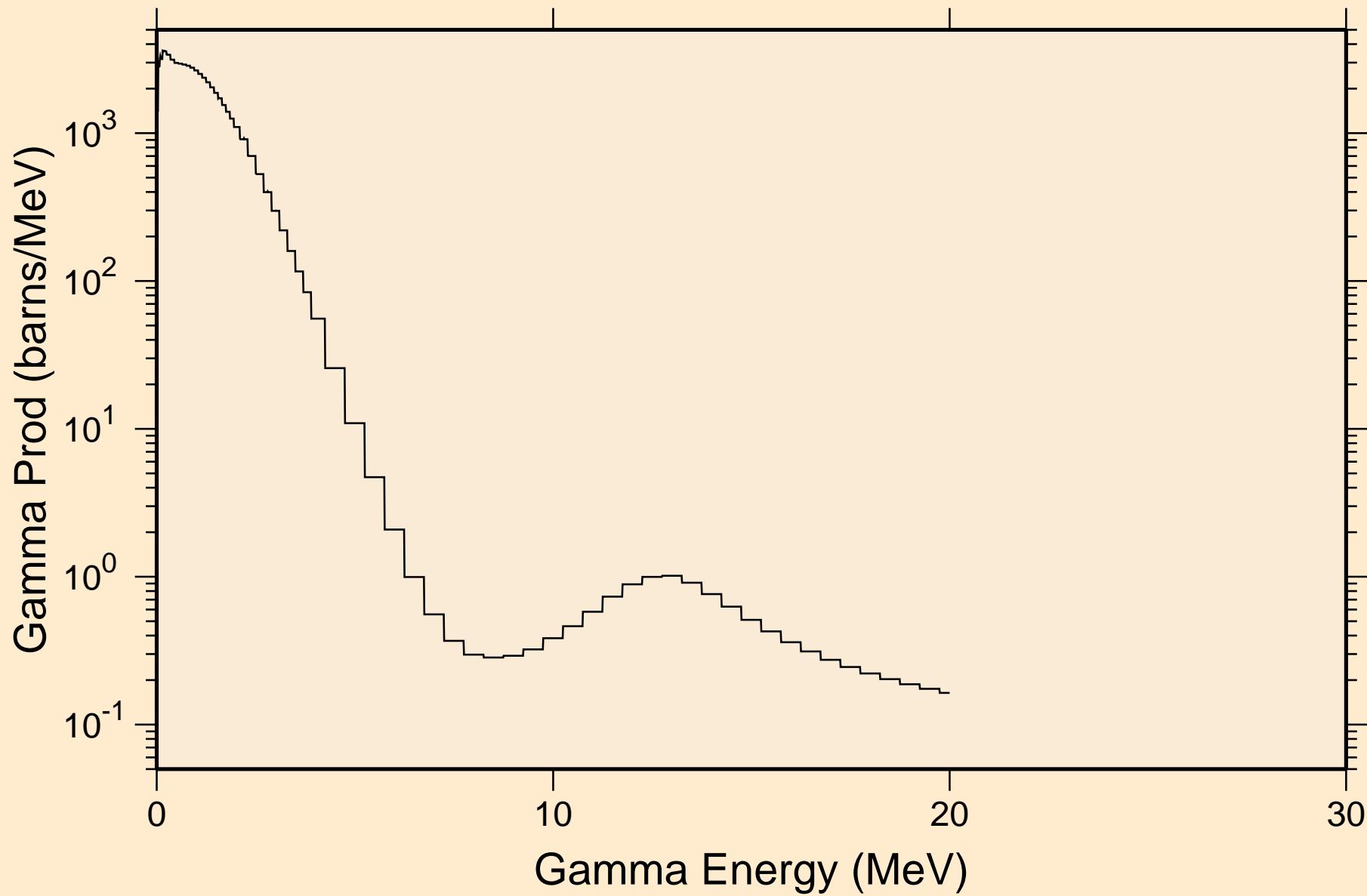
CF245 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



CF245 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

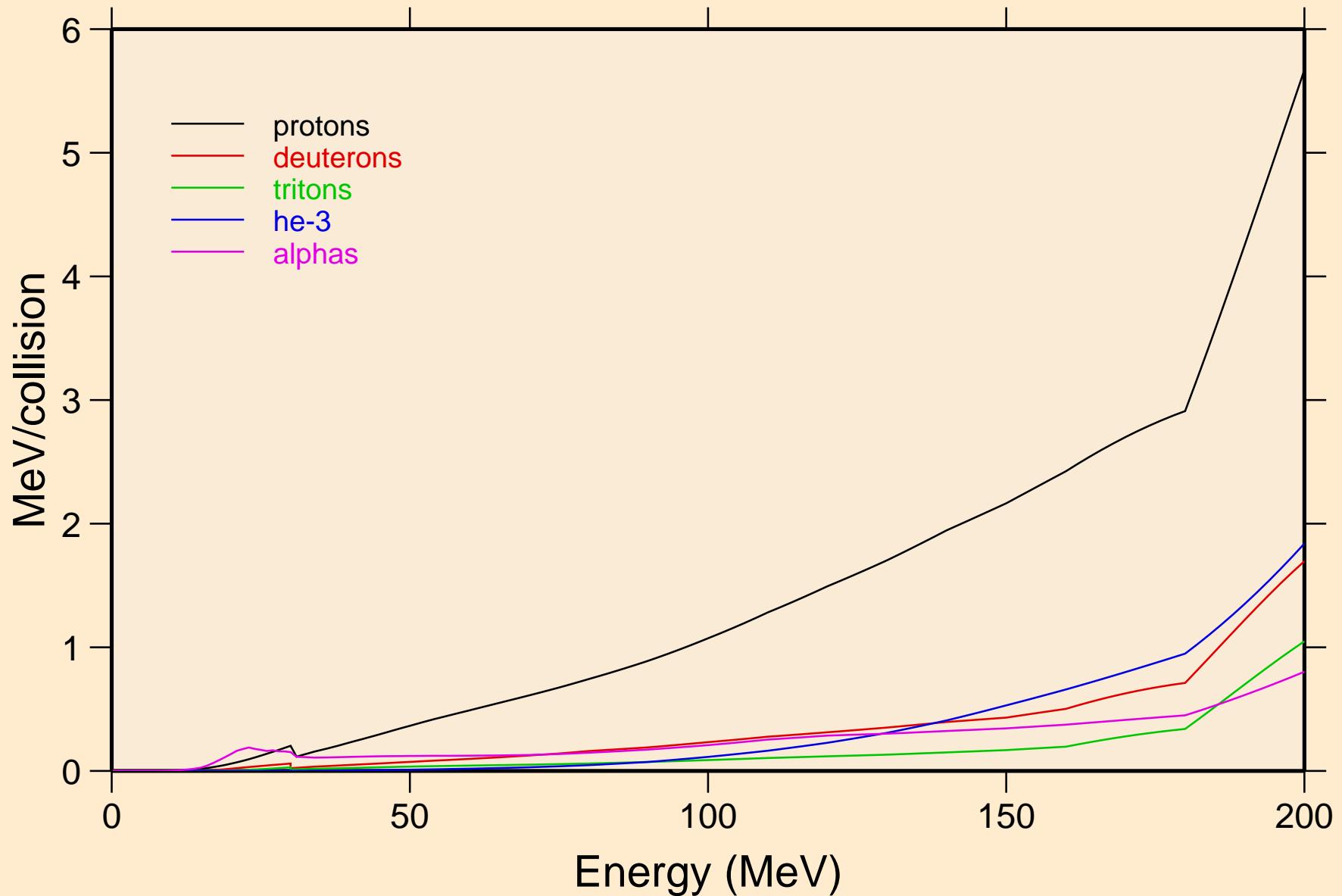


CF245 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



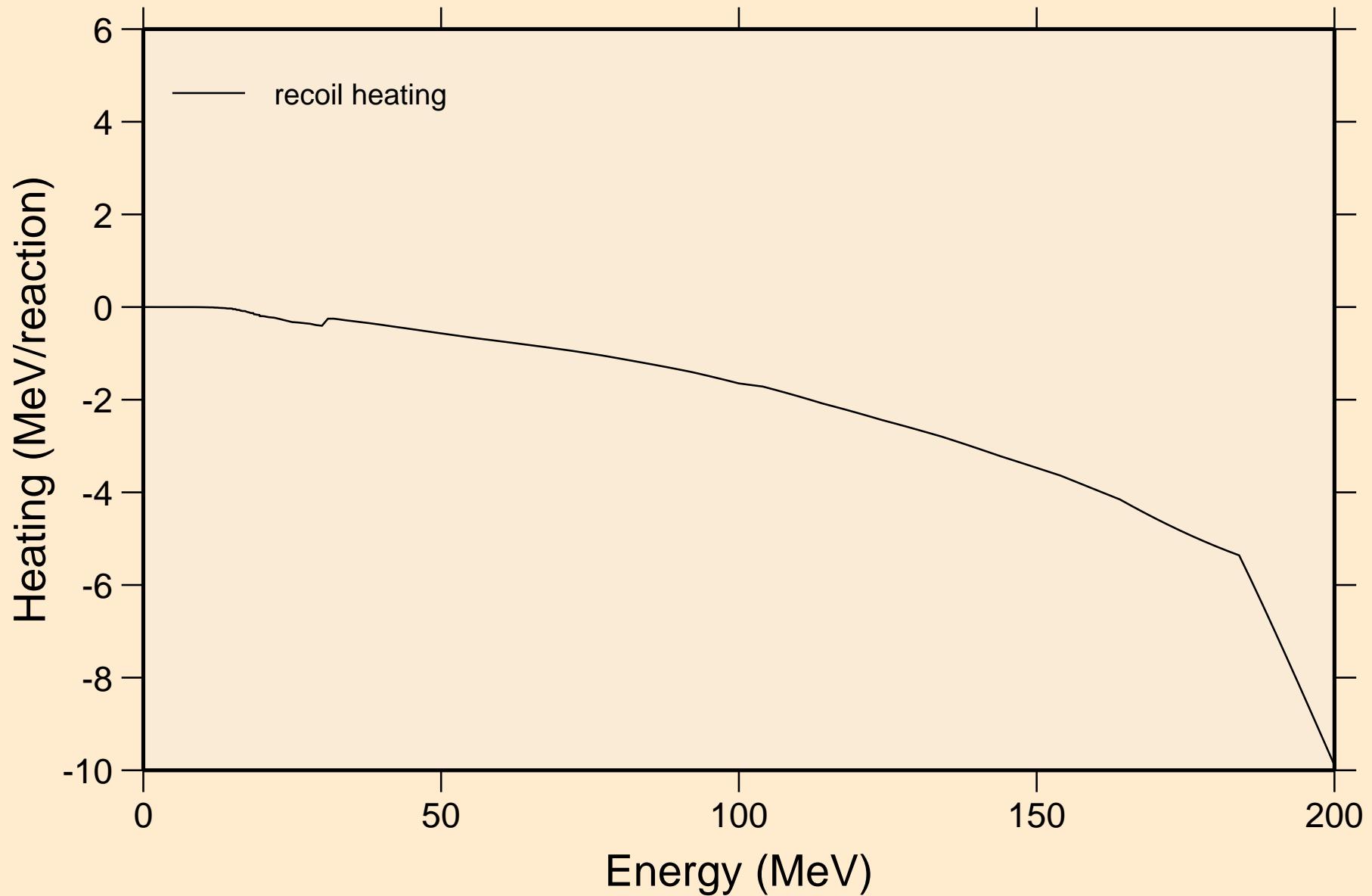
# CF245 NRG TENDL-2015, AKONING

## Particle heating contributions



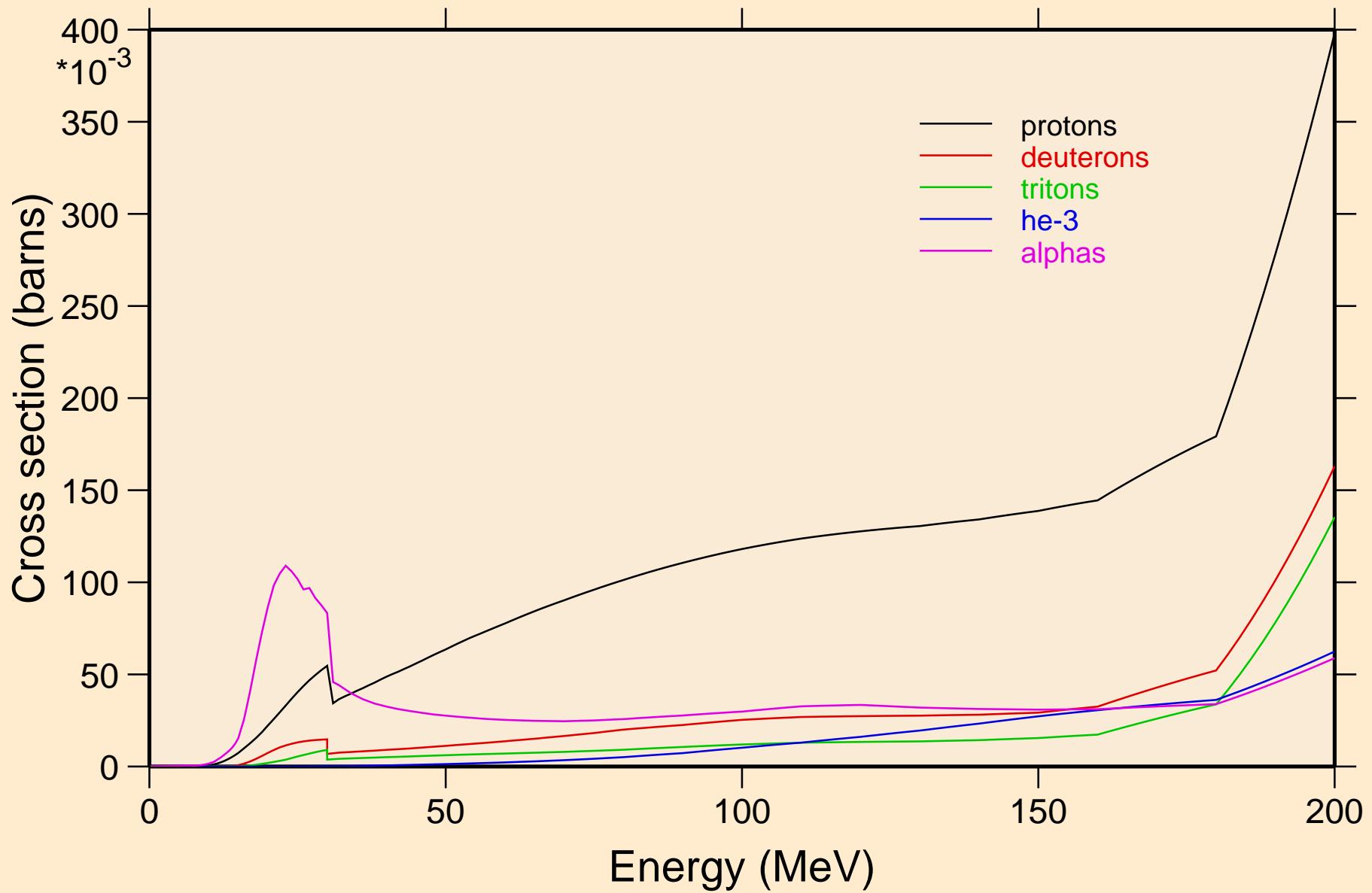
# CF245 NRG TENDL-2015, AKONING

## Recoil Heating

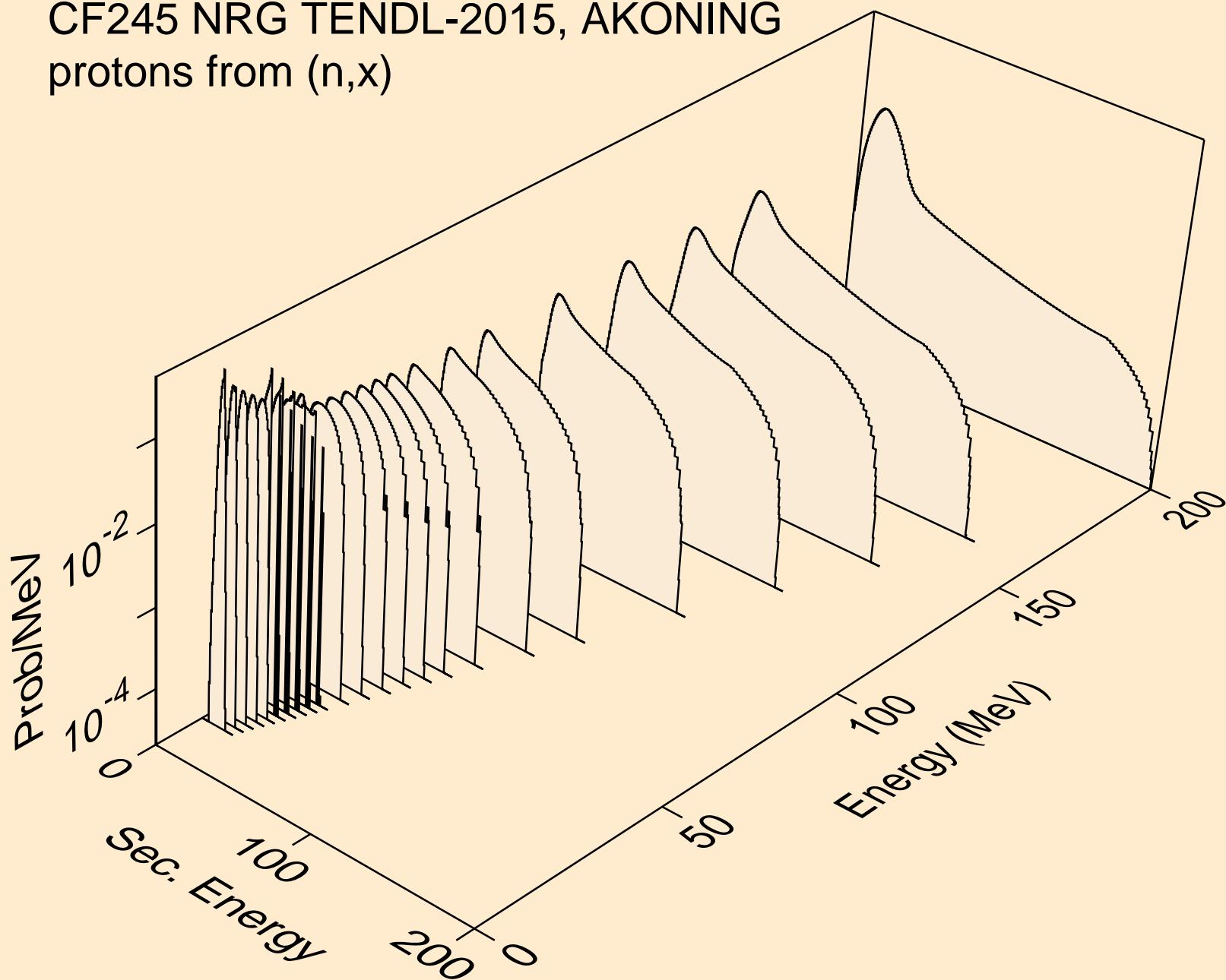


# CF245 NRG TENDL-2015, AKONING

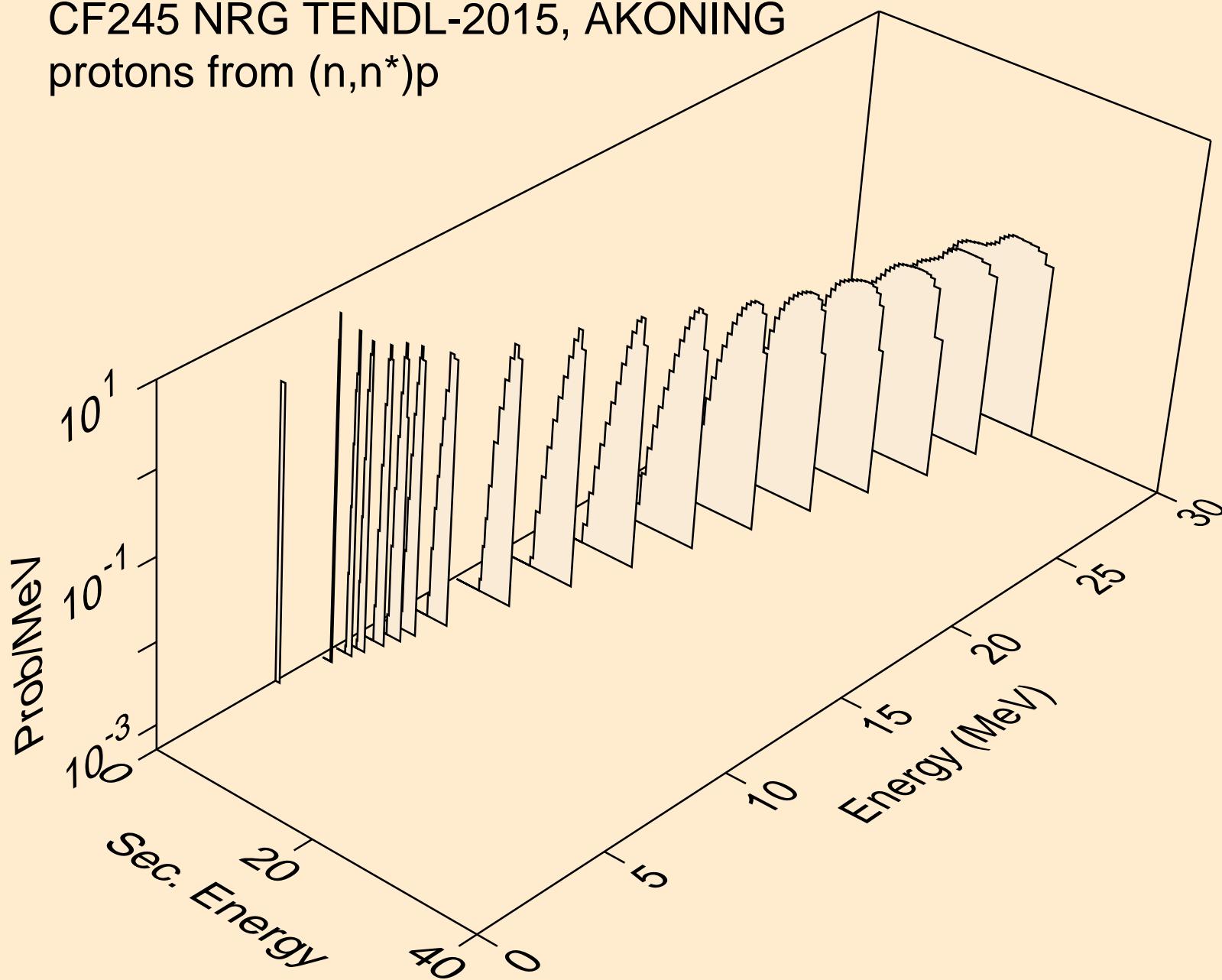
## Particle production cross sections



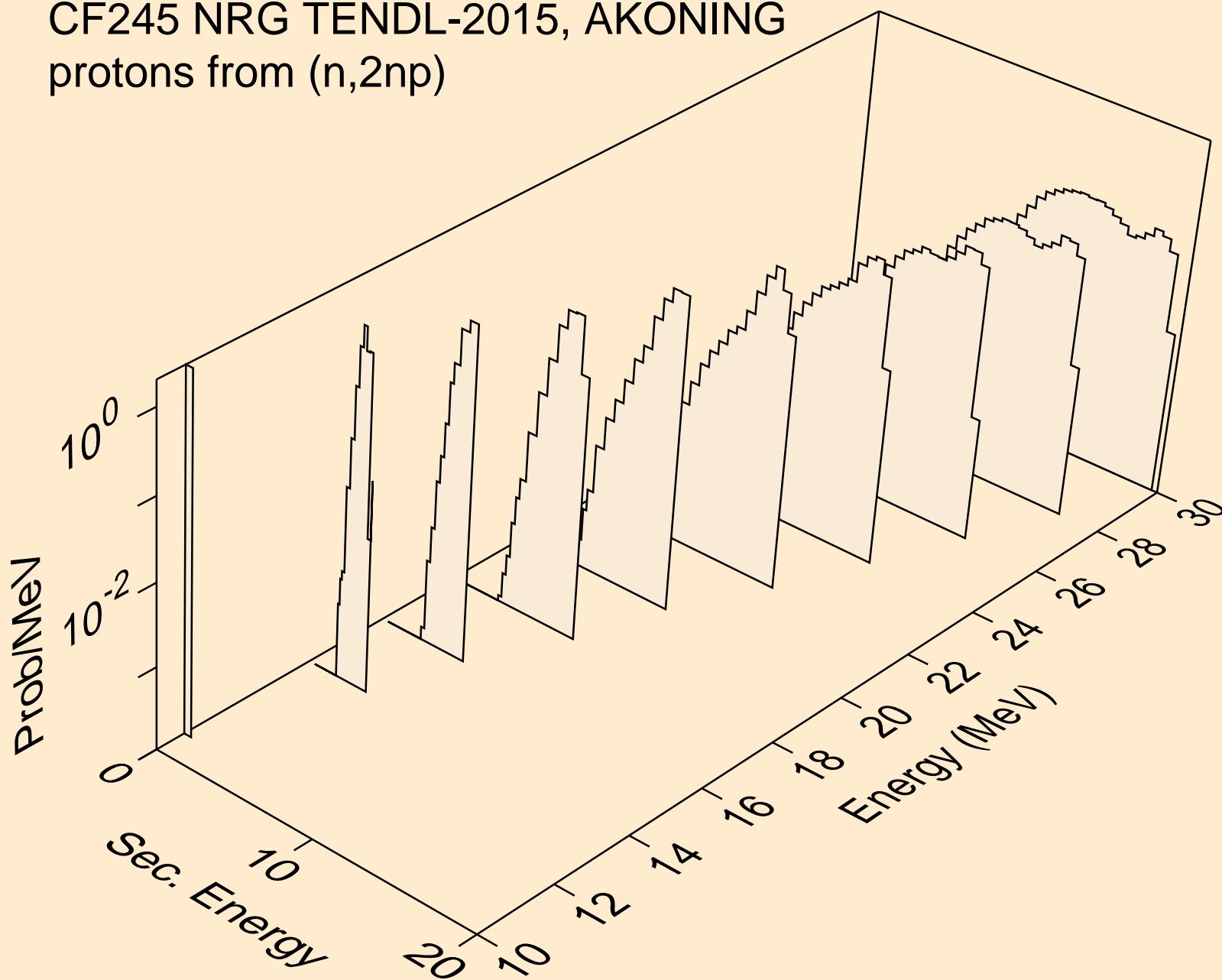
CF245 NRG TENDL-2015, AKONING  
protons from ( $n,x$ )



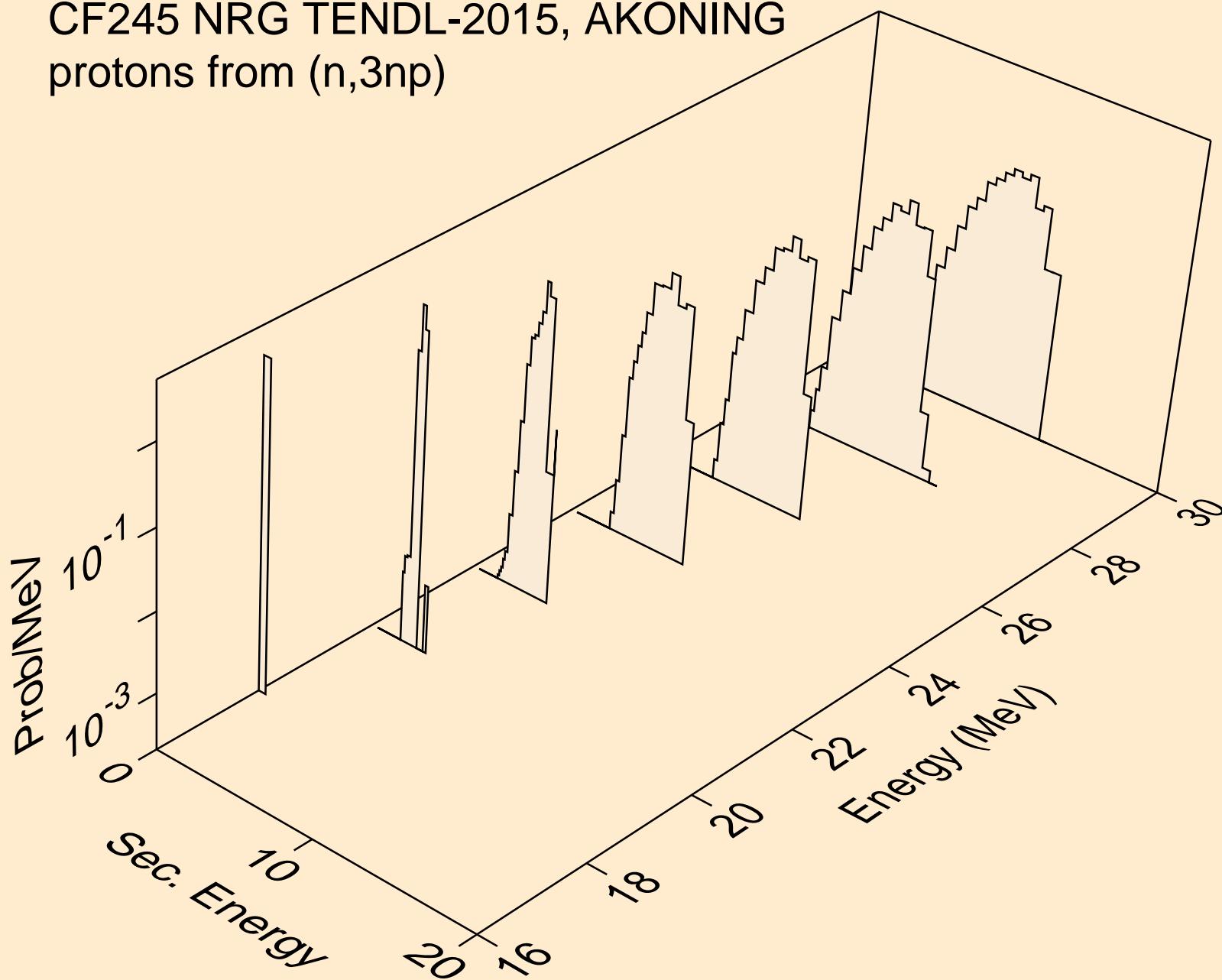
CF245 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



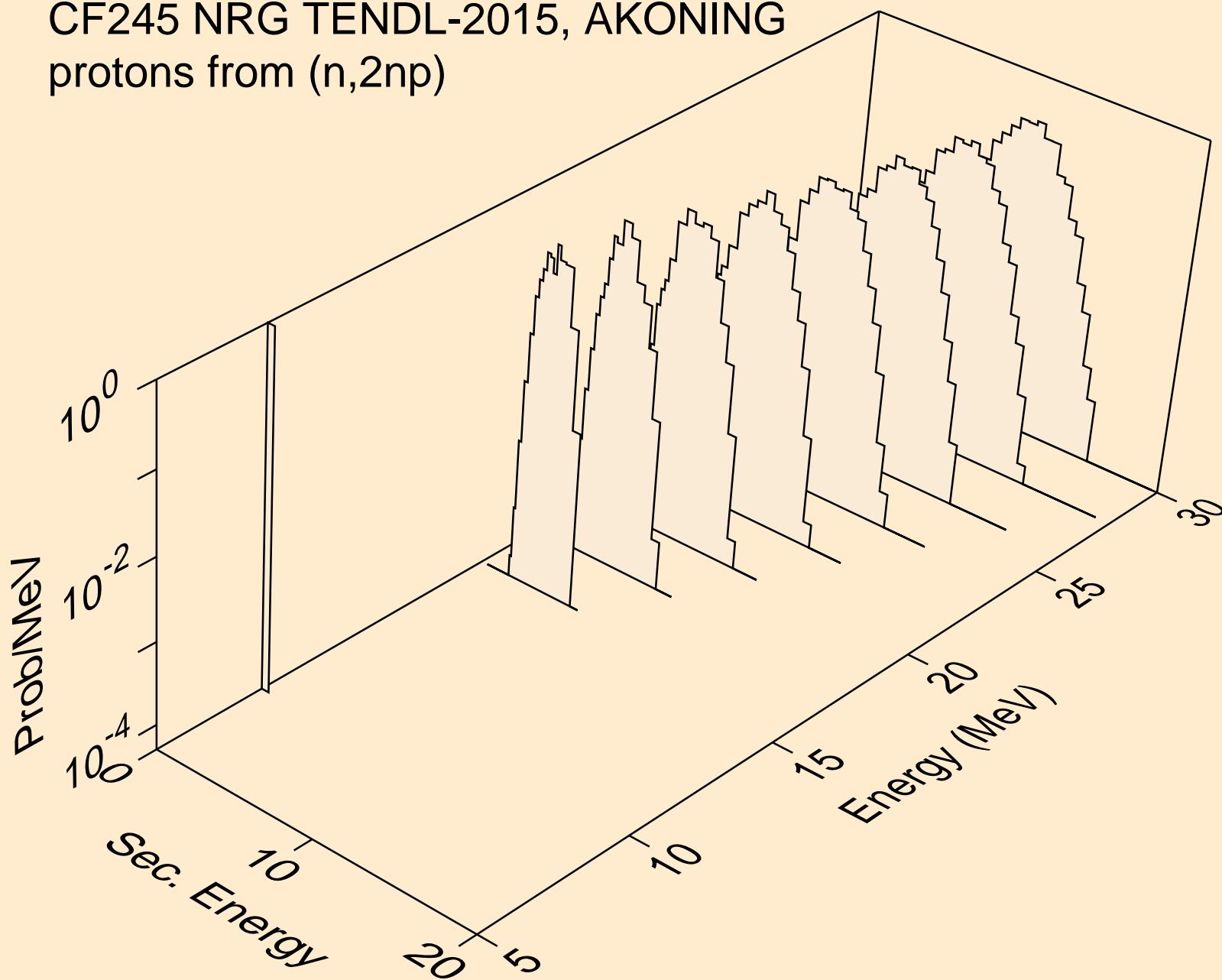
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protons from ( $n,2np$ )



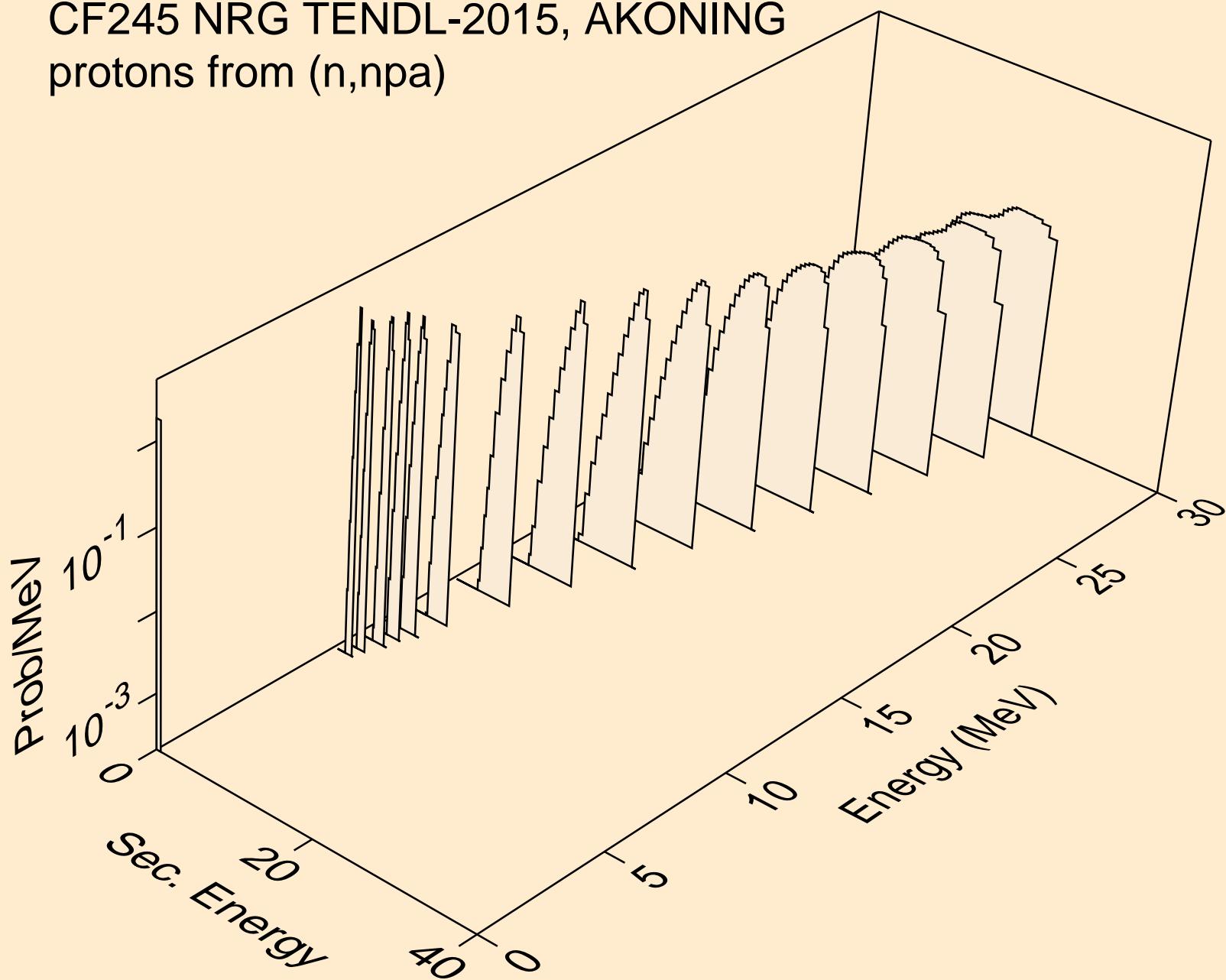
CF245 NRG TENDL-2015, AKONING  
protons from ( $n,3np$ )



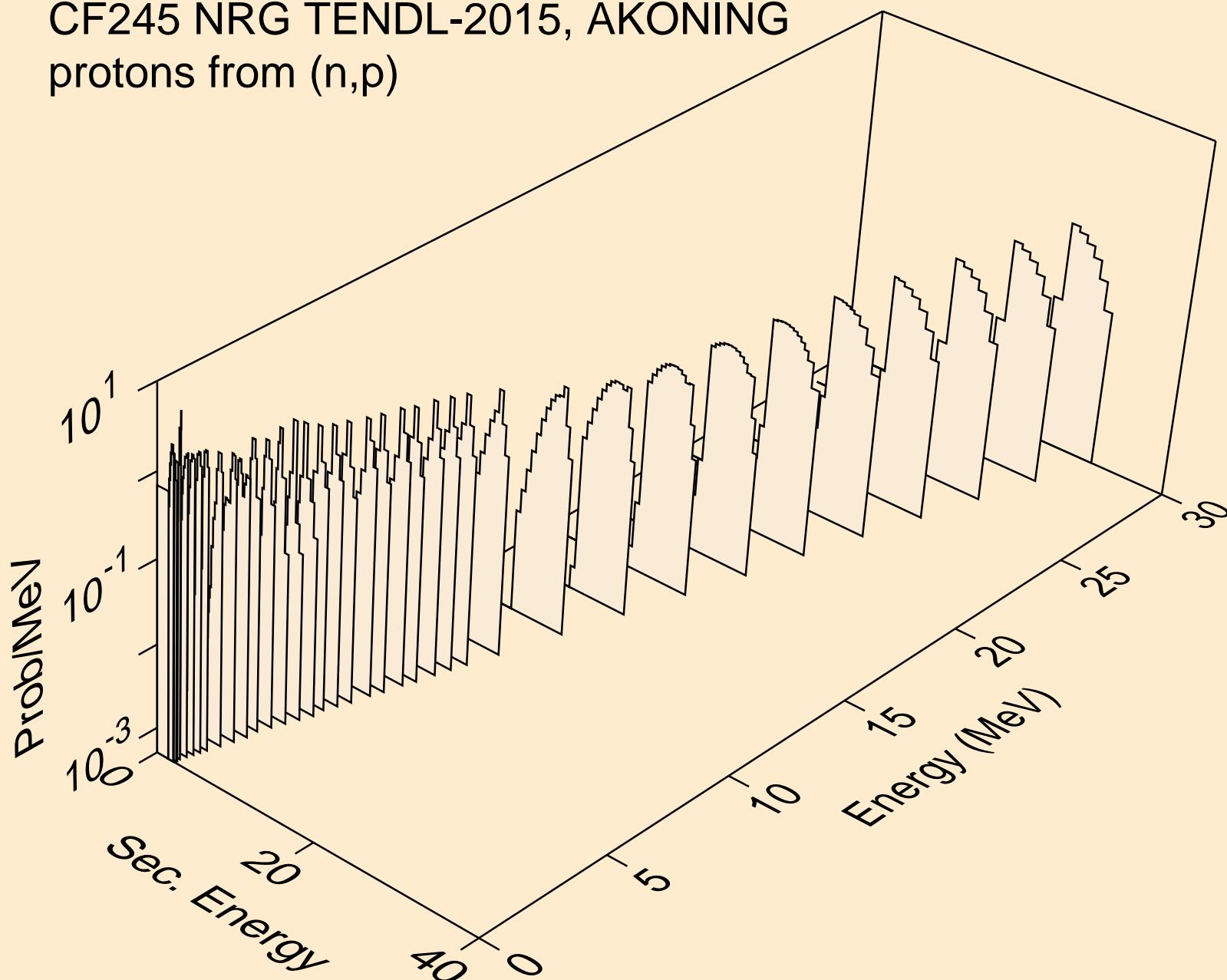
CF245 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



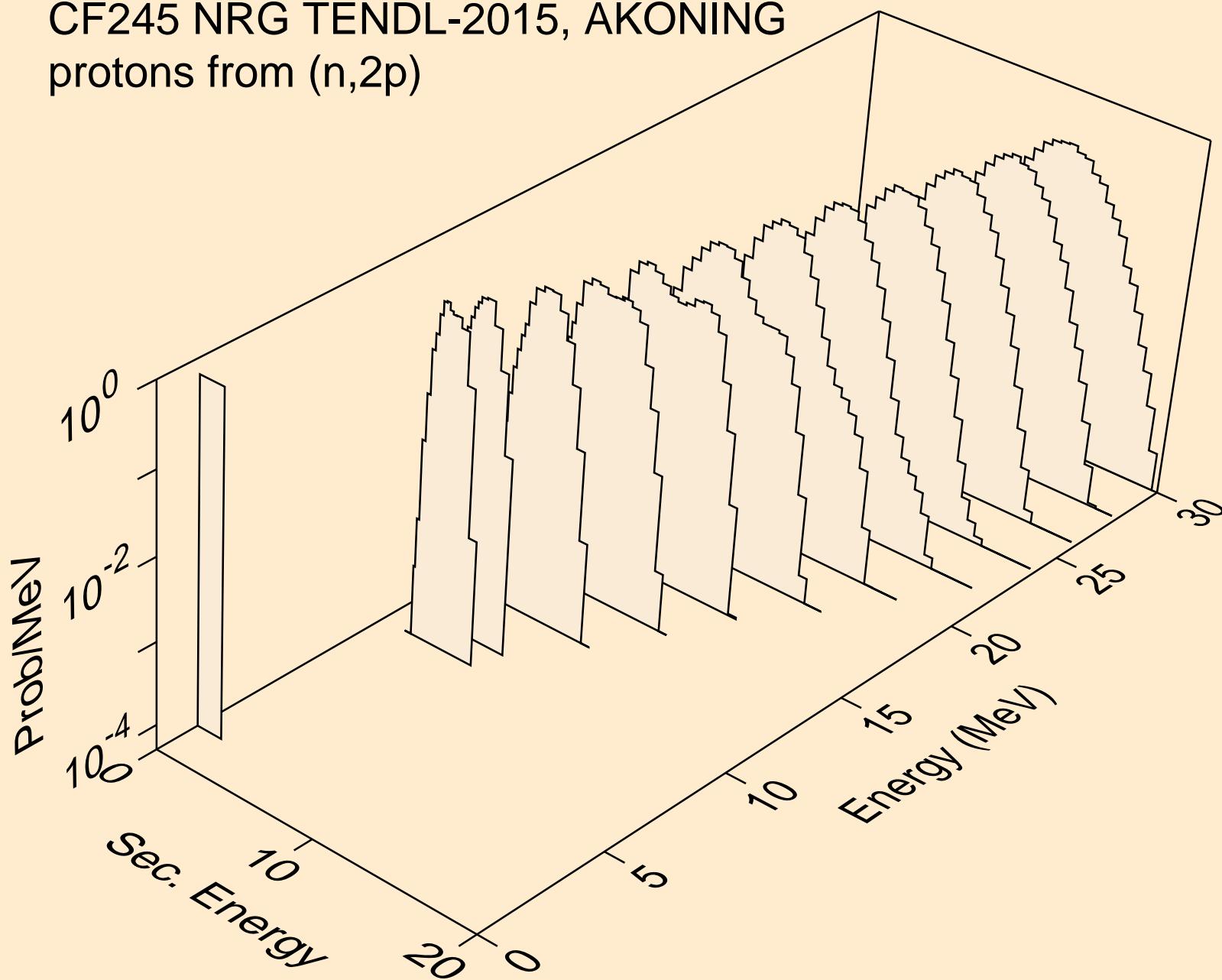
CF245 NRG TENDL-2015, AKONING  
protons from (n,npa)



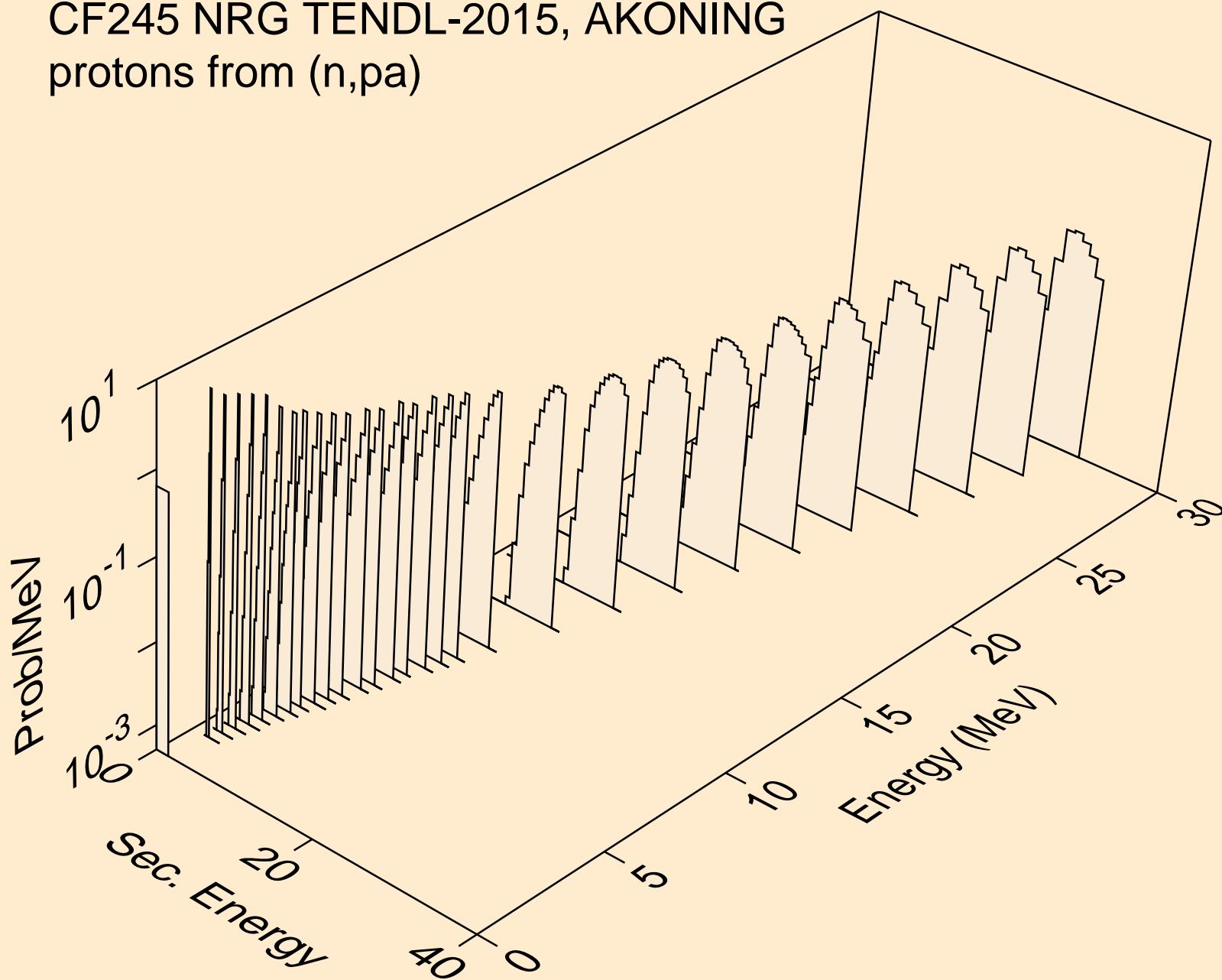
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protons from (n,p)



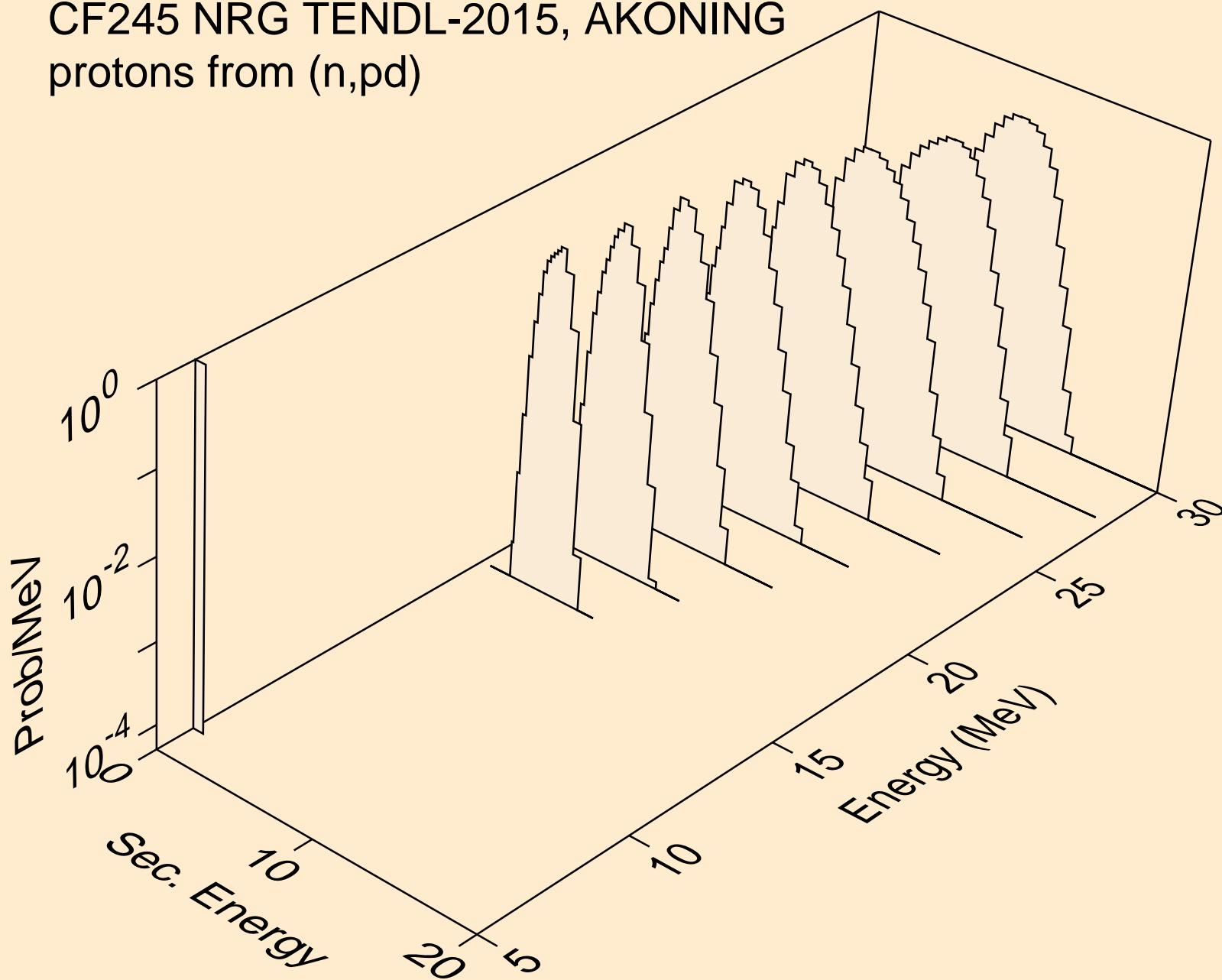
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protons from ( $n,2p$ )



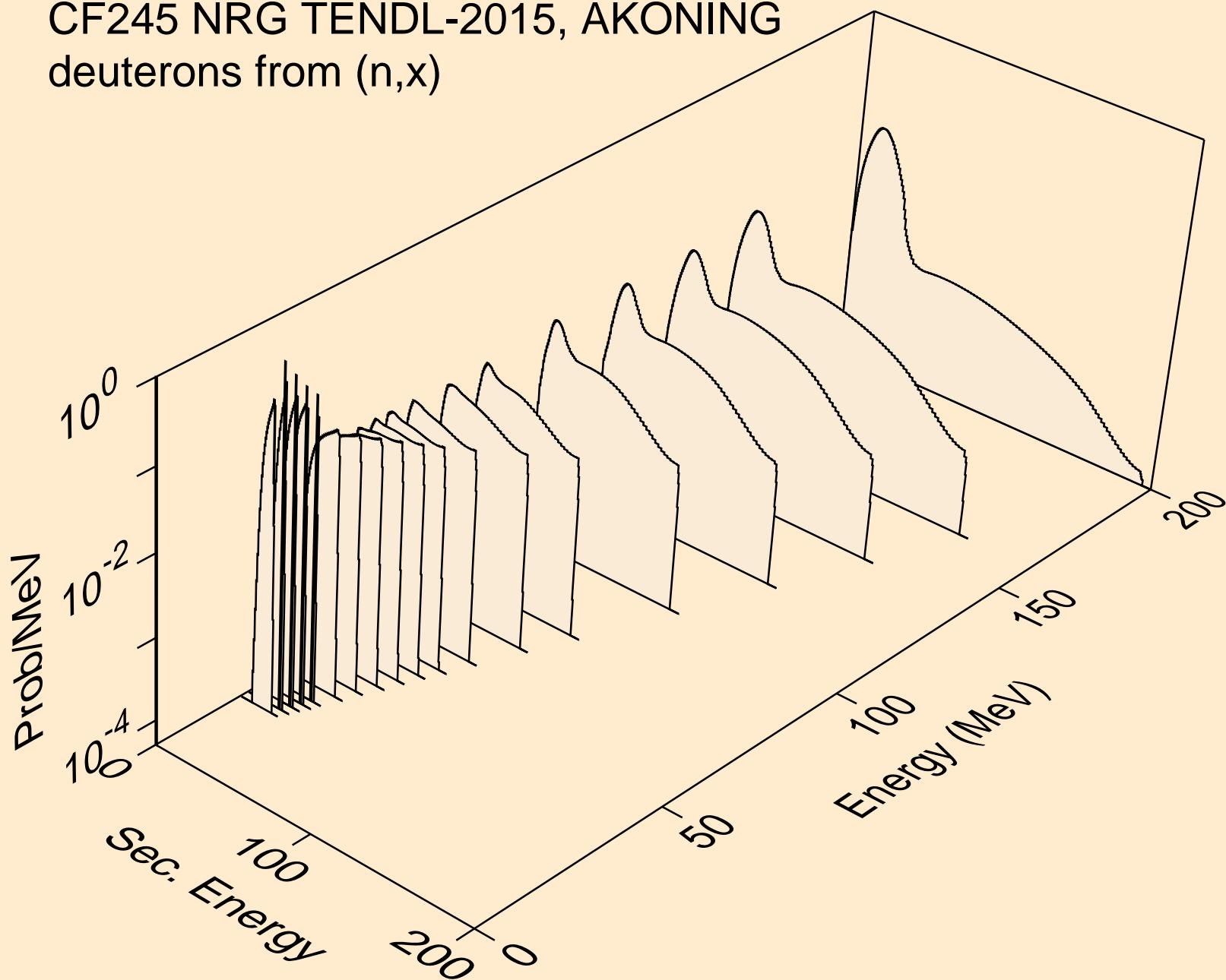
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protons from (n,pa)



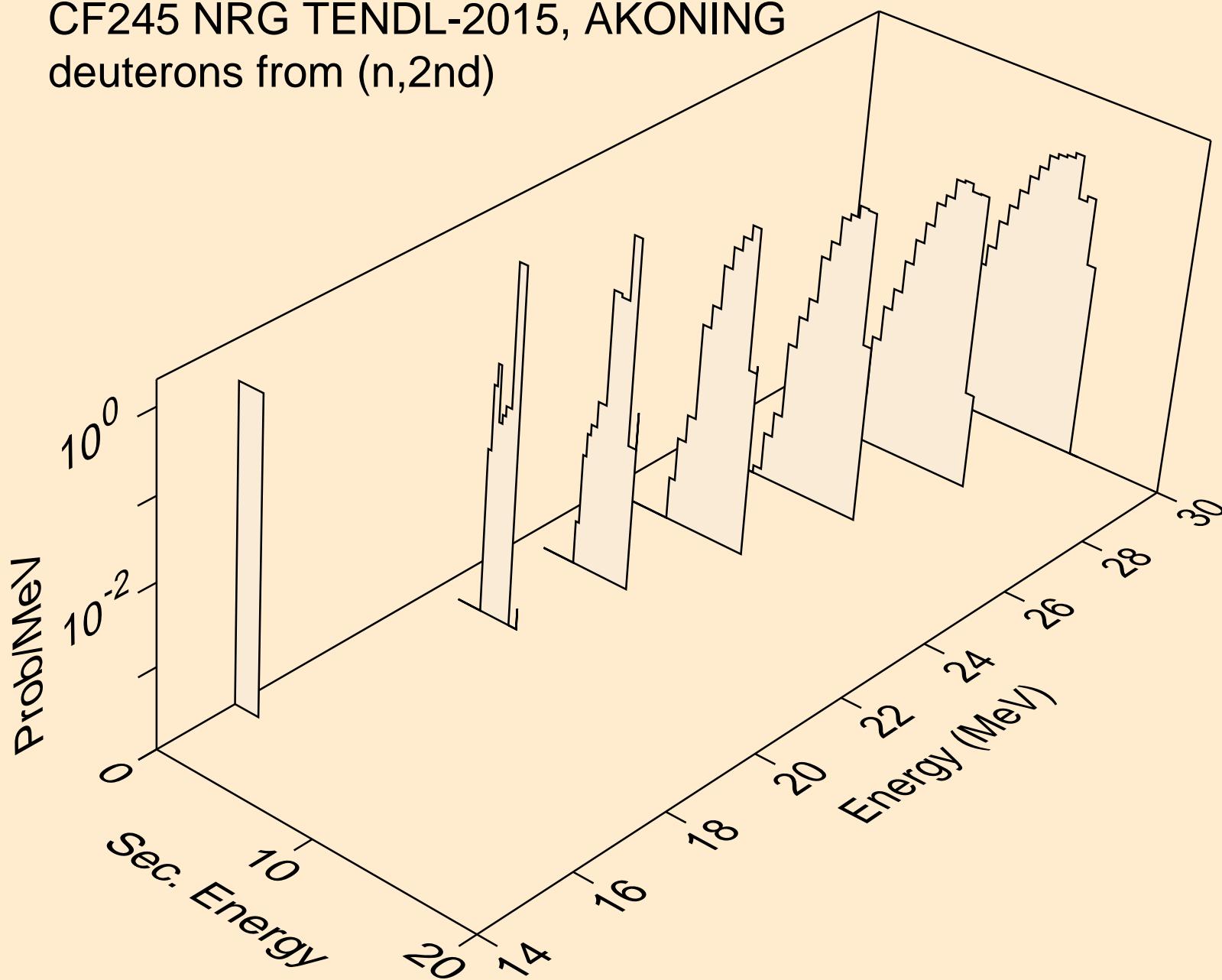
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protons from (n,pd)



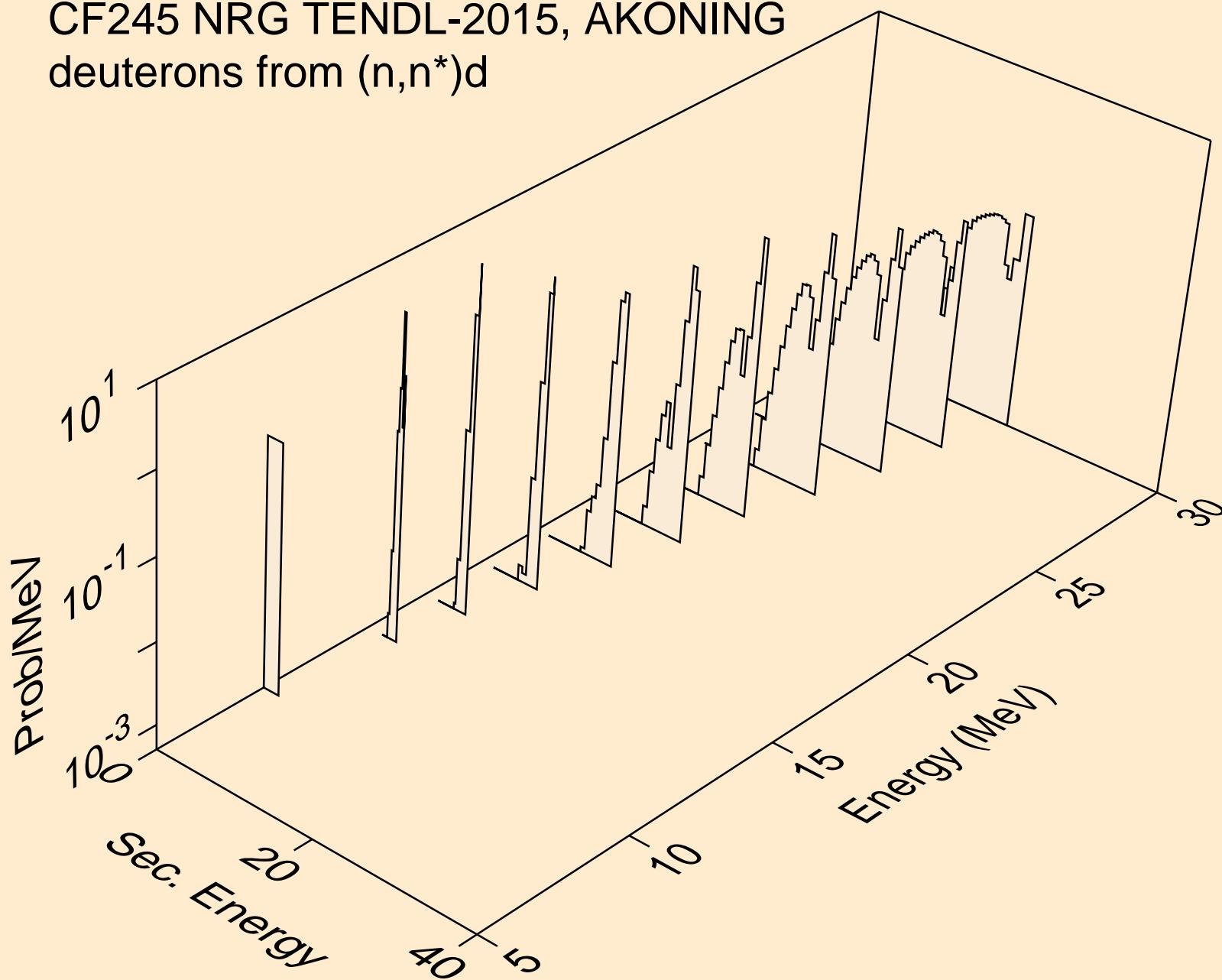
CF245 NRG TENDL-2015, AKONING  
deuterons from ( $n, x$ )



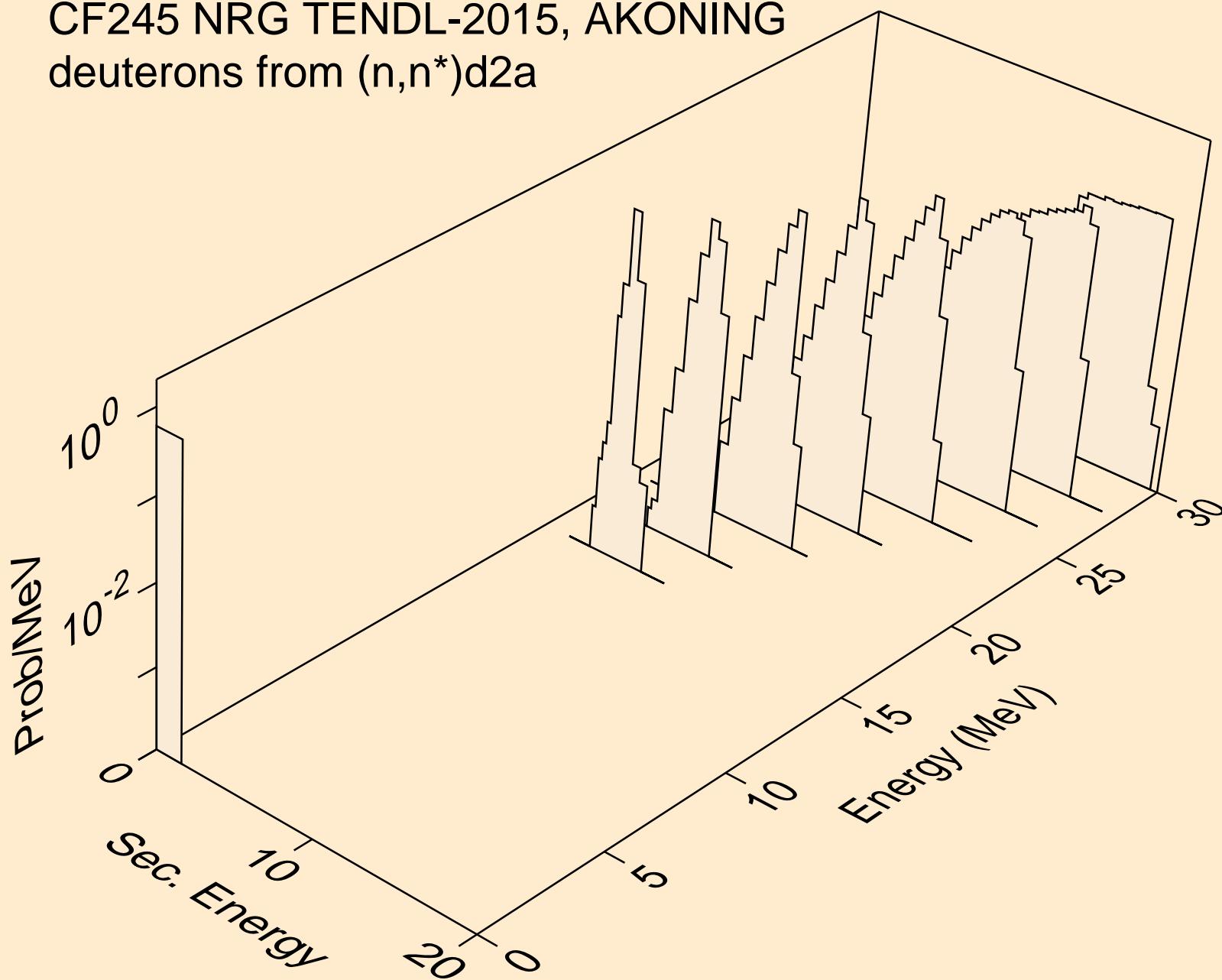
CF245 NRG TENDL-2015, AKONING  
deuterons from ( $n,2nd$ )



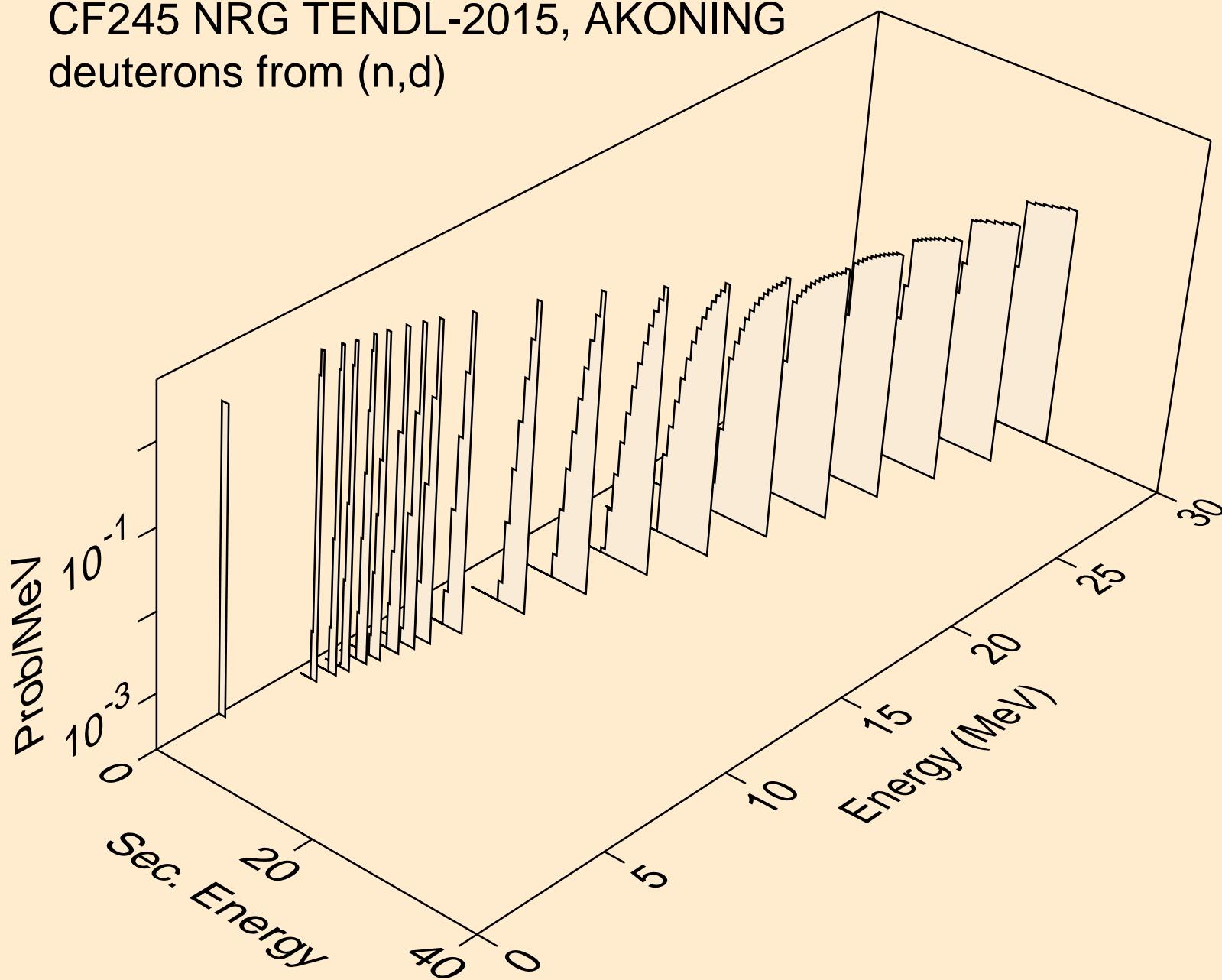
CF245 NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d$



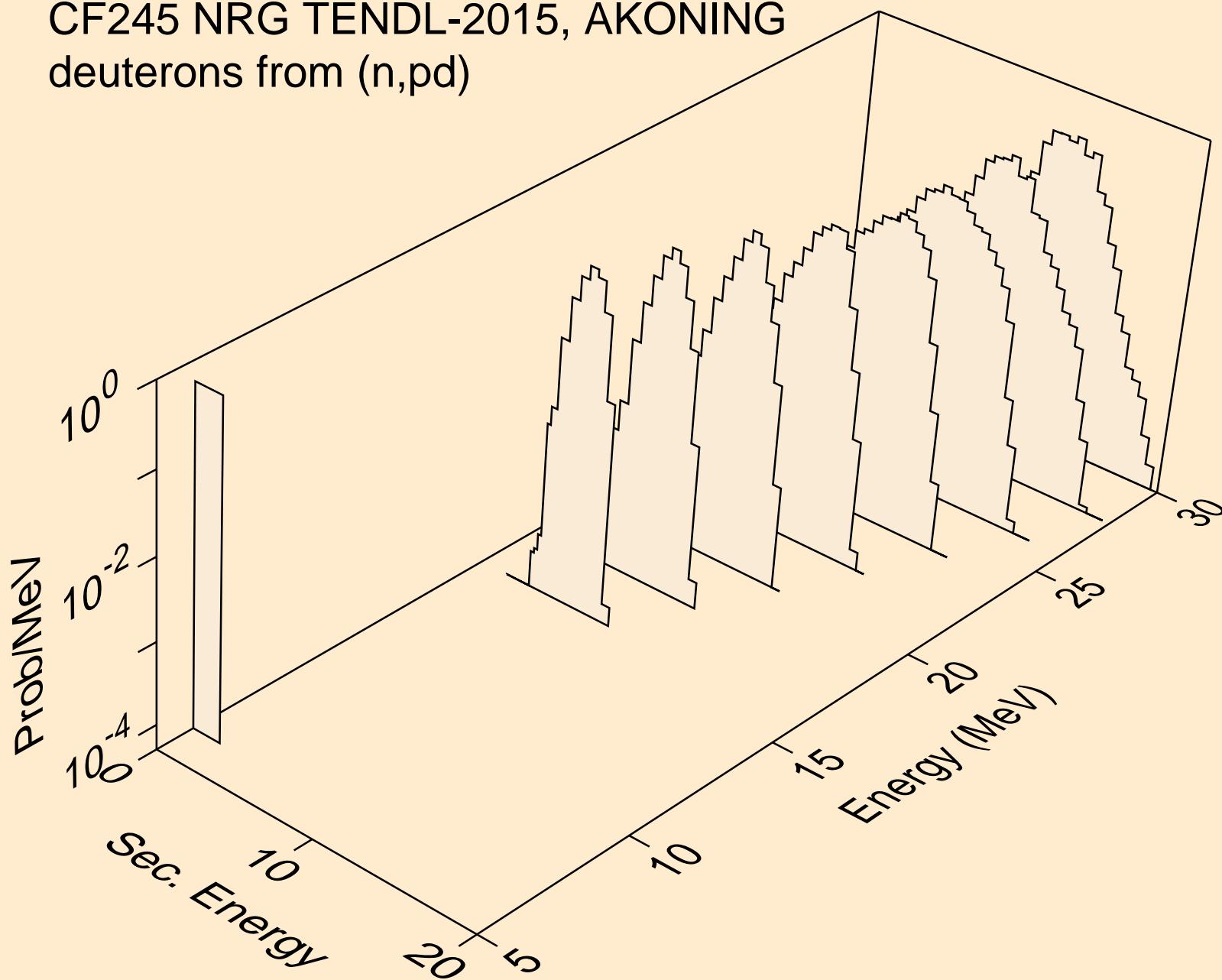
CF245 NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d2a$



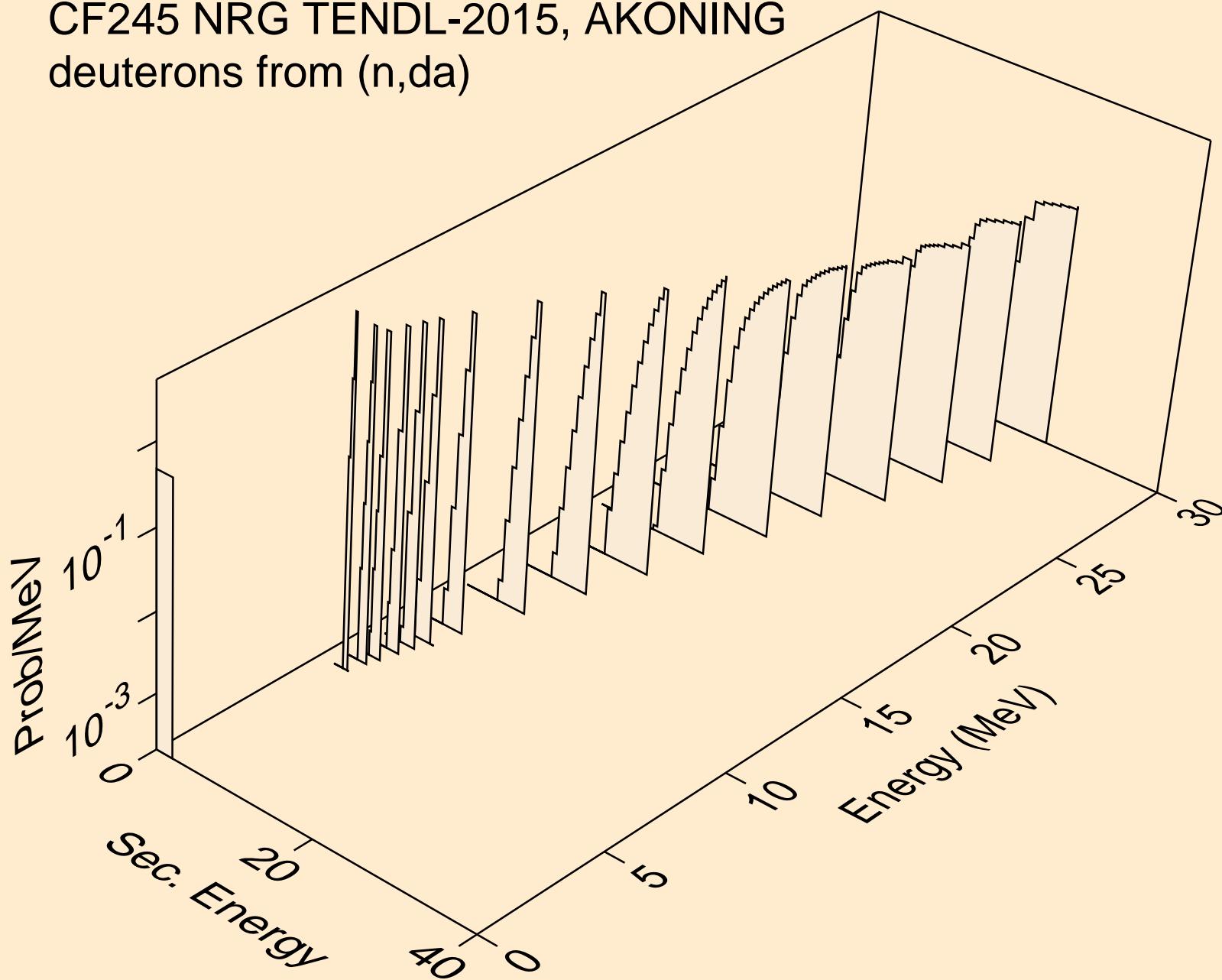
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deuterons from ( $n, d$ )



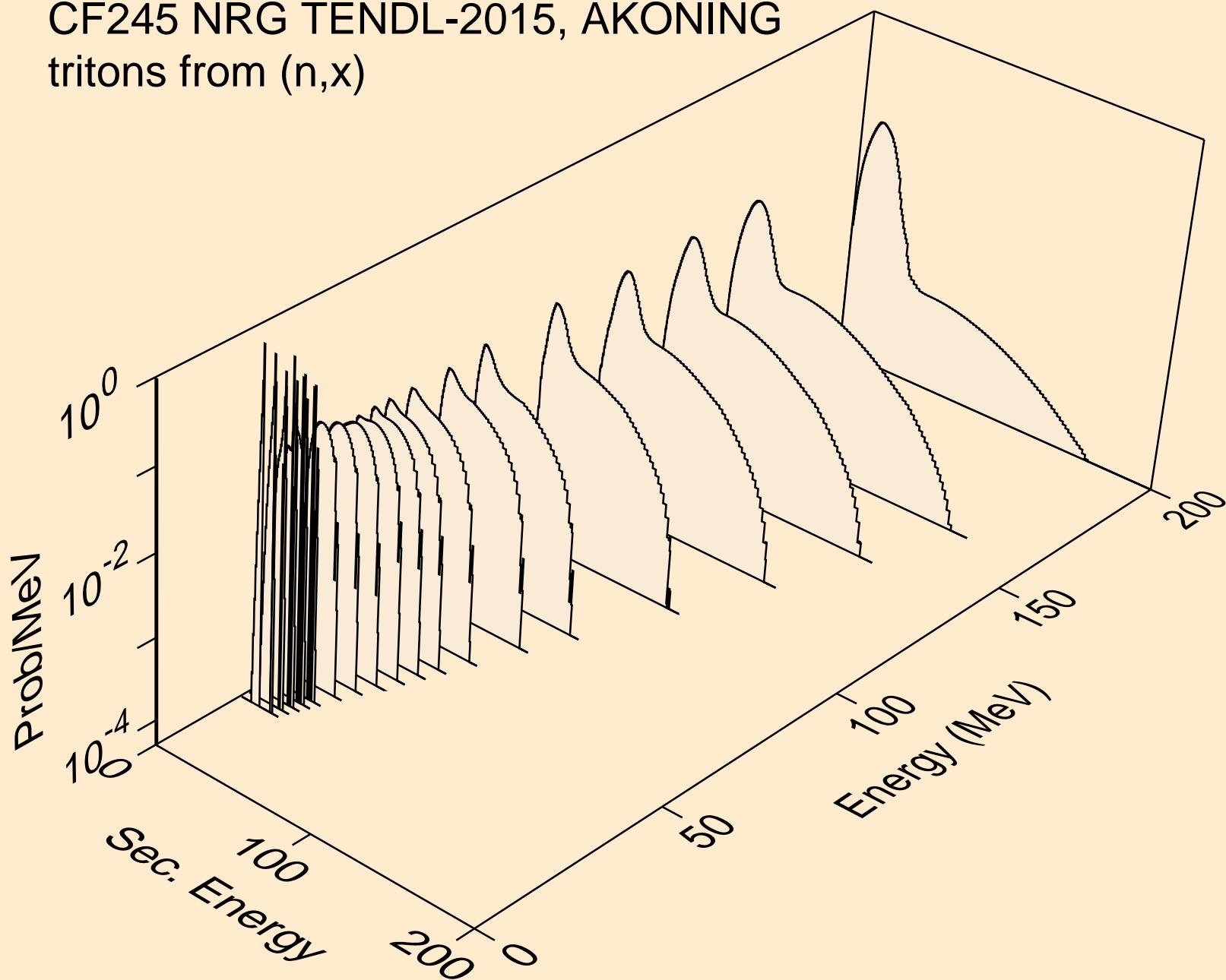
CF245 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



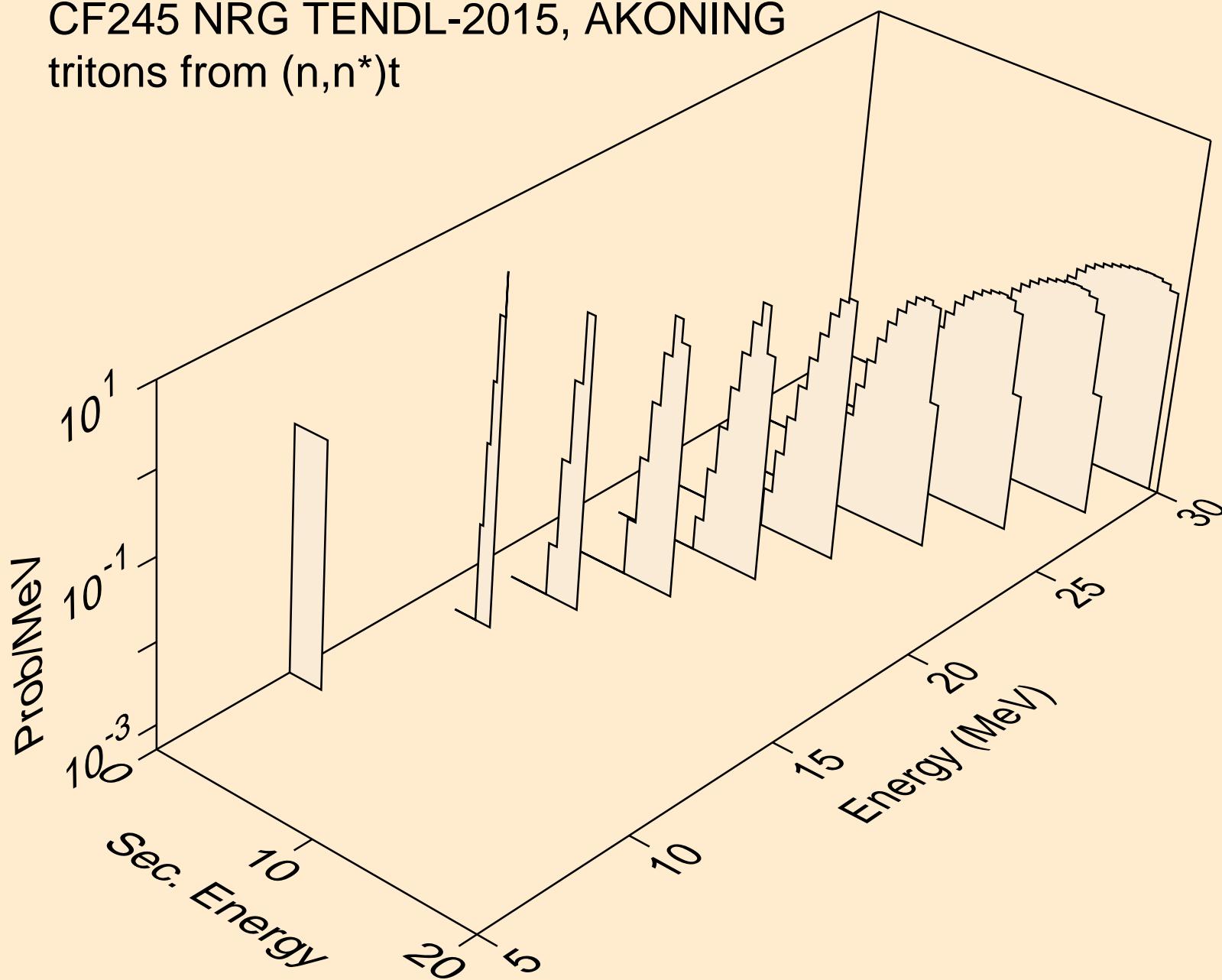
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deuterons from (n,da)



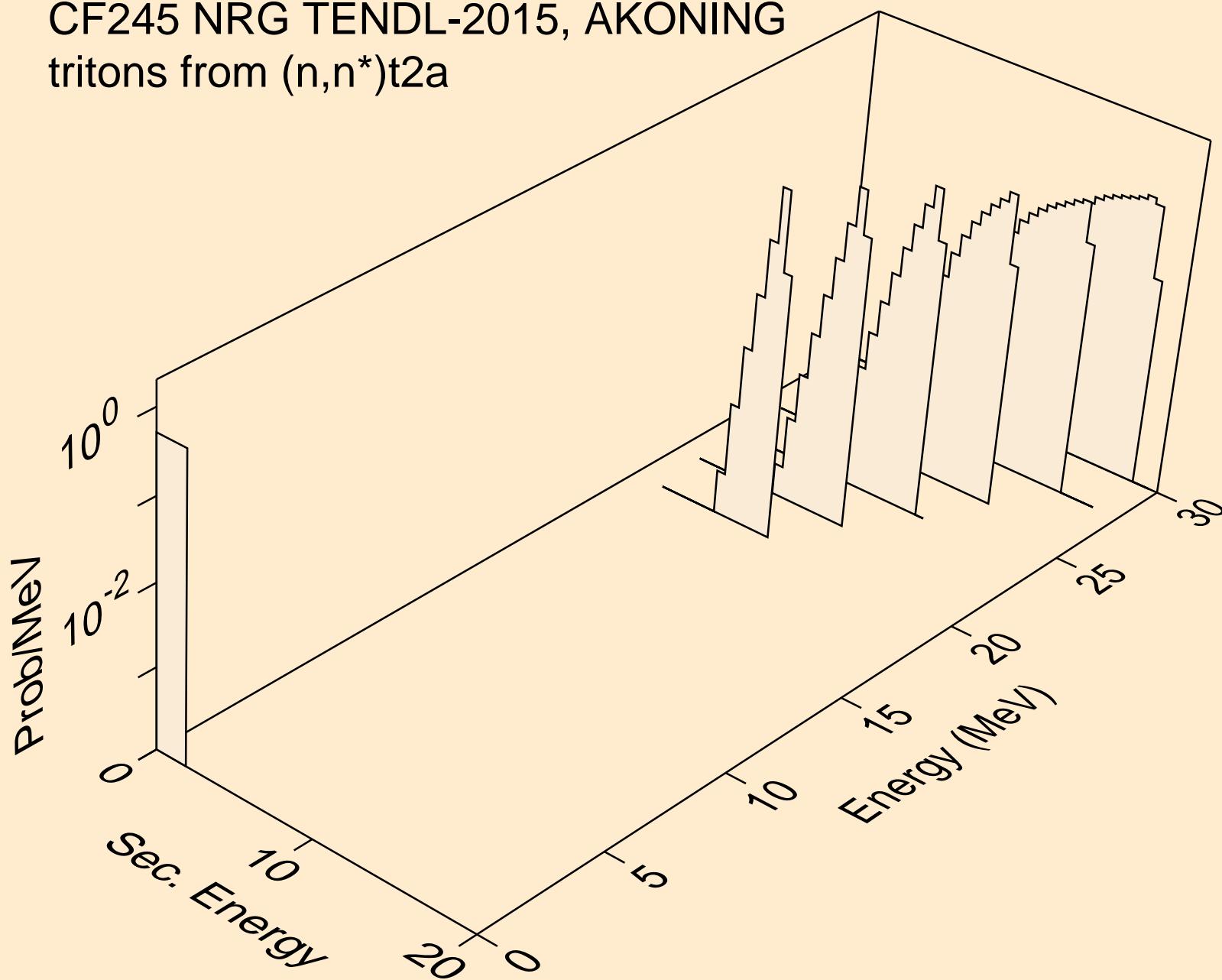
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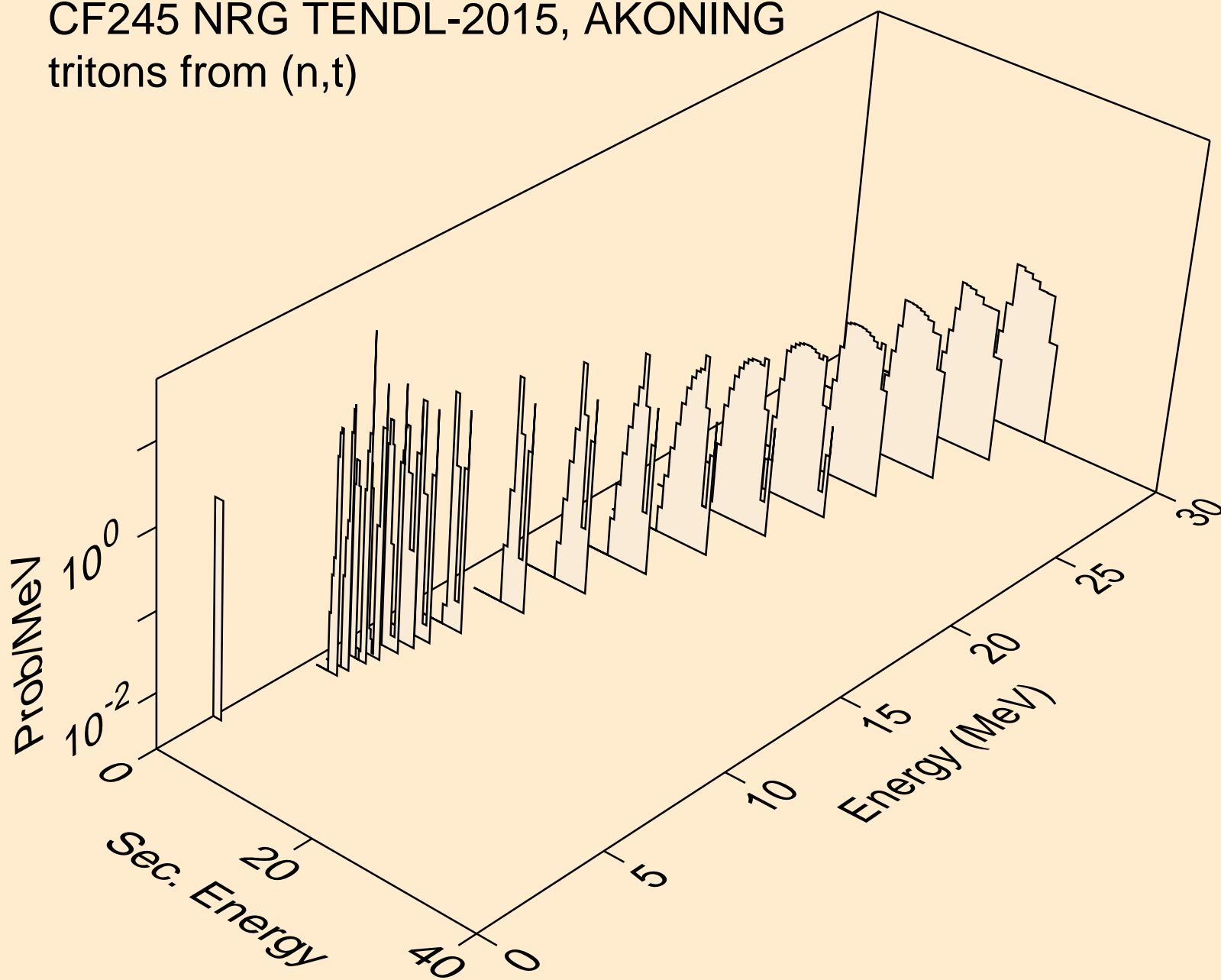
CF245 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



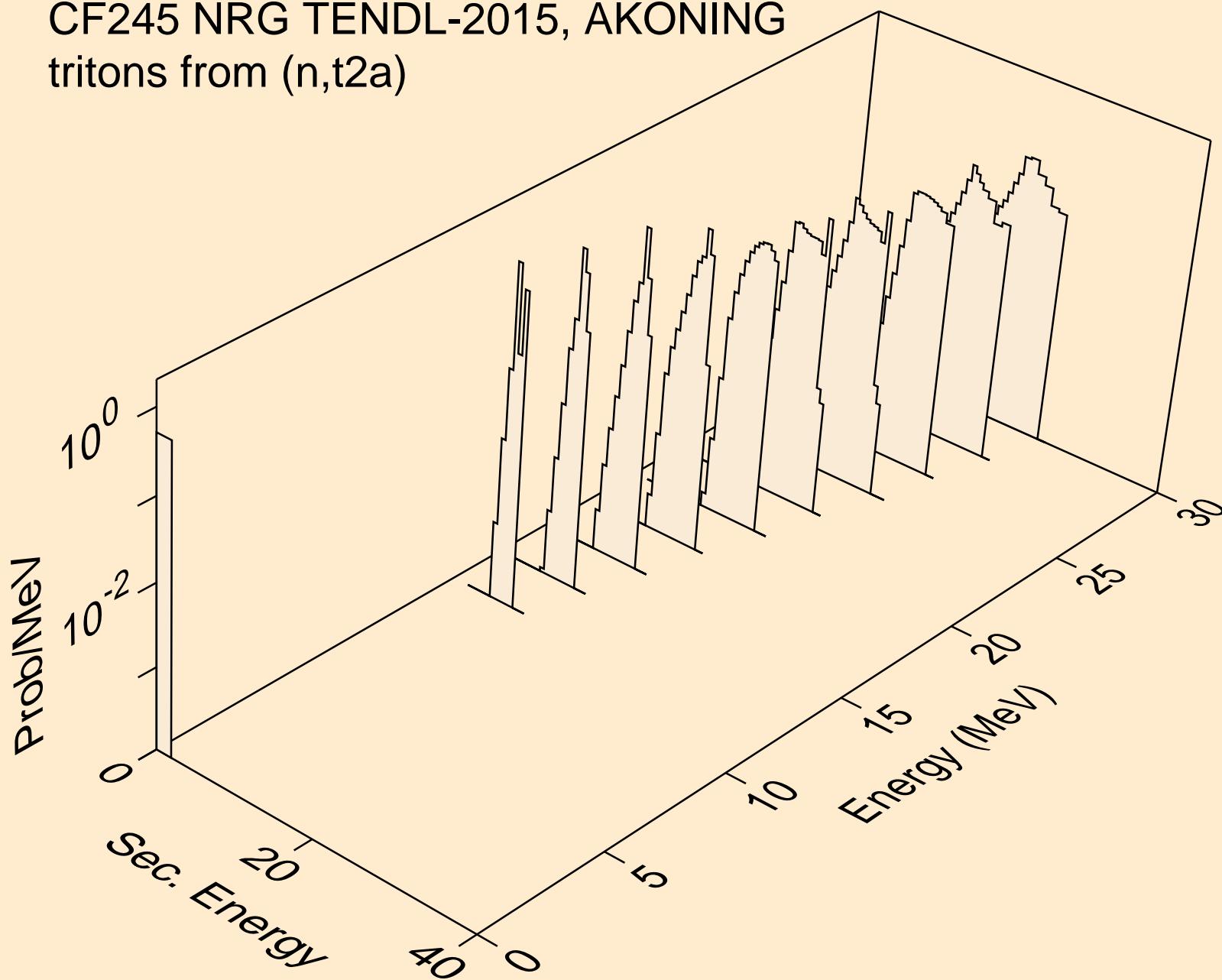
CF245 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t2a$



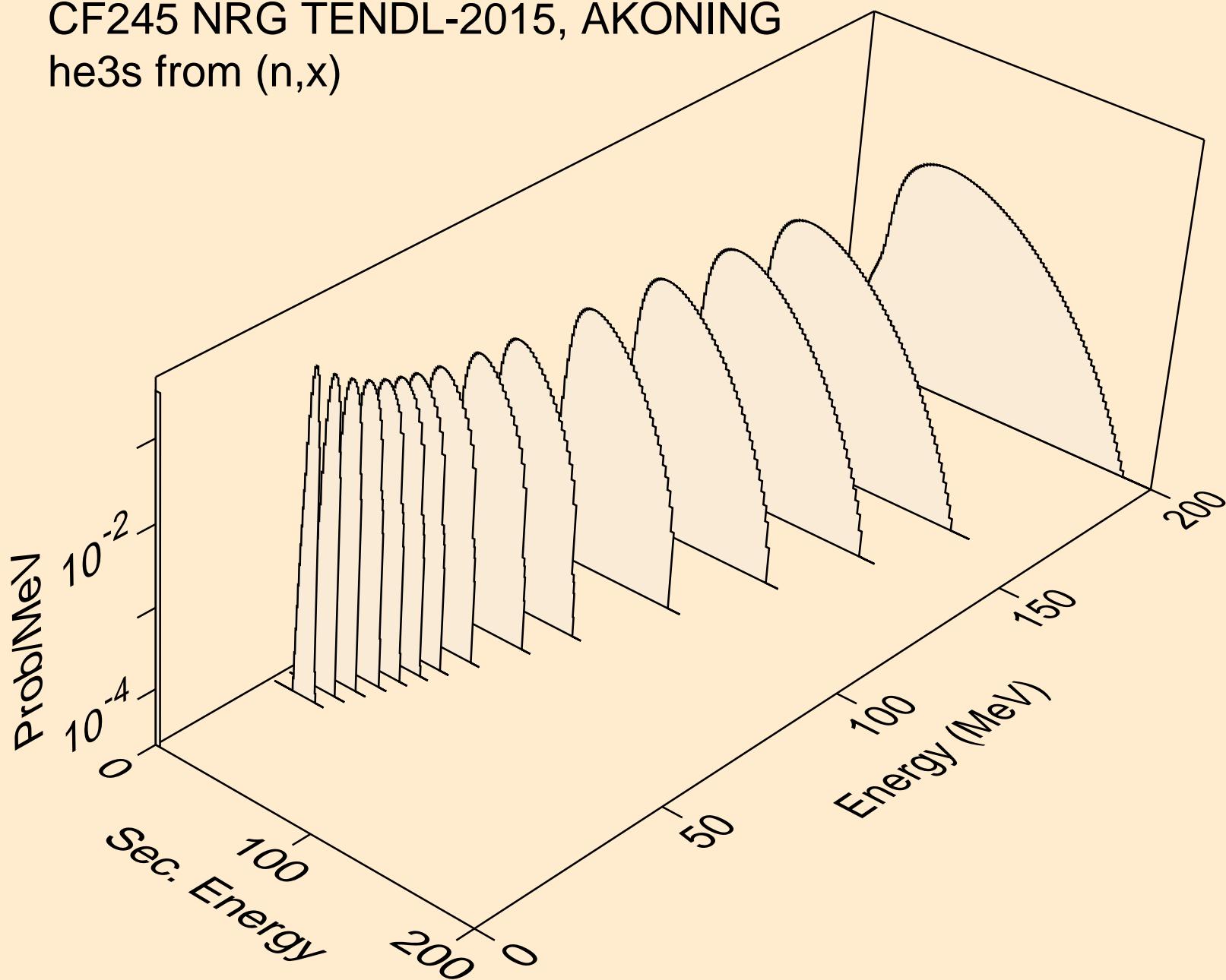
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tritons from (n,t)



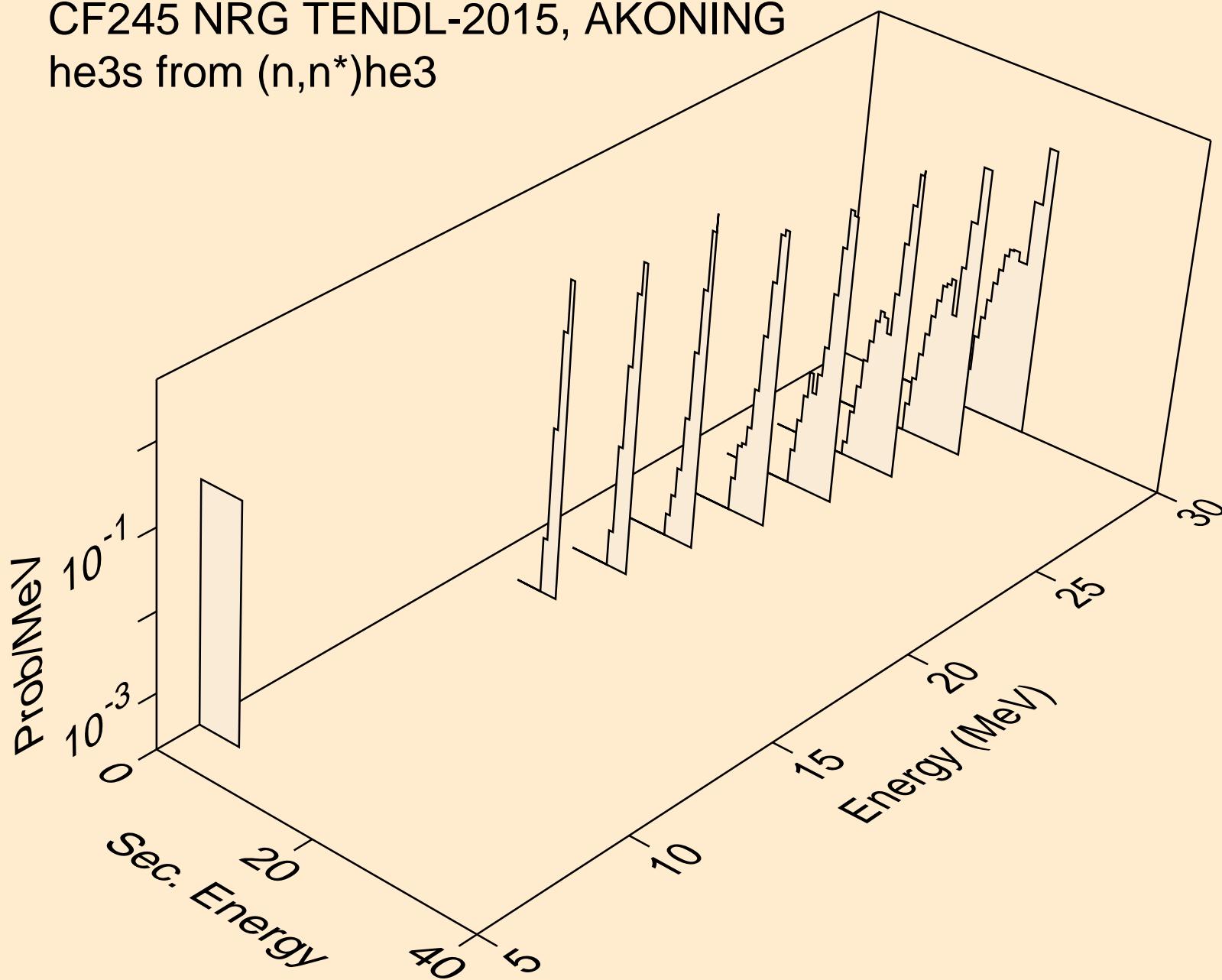
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tritons from ( $n, t2a$ )



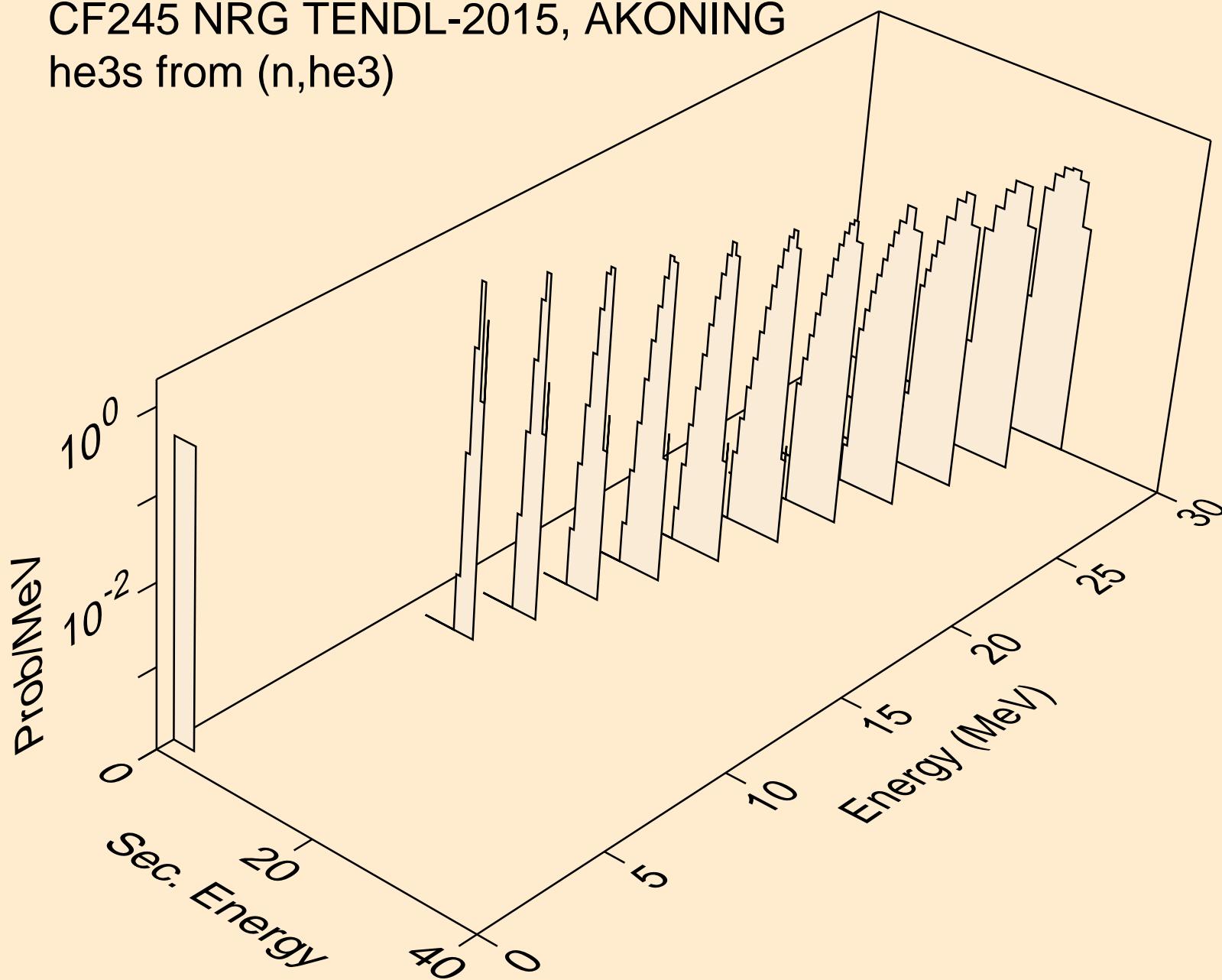
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he3s from (n,x)



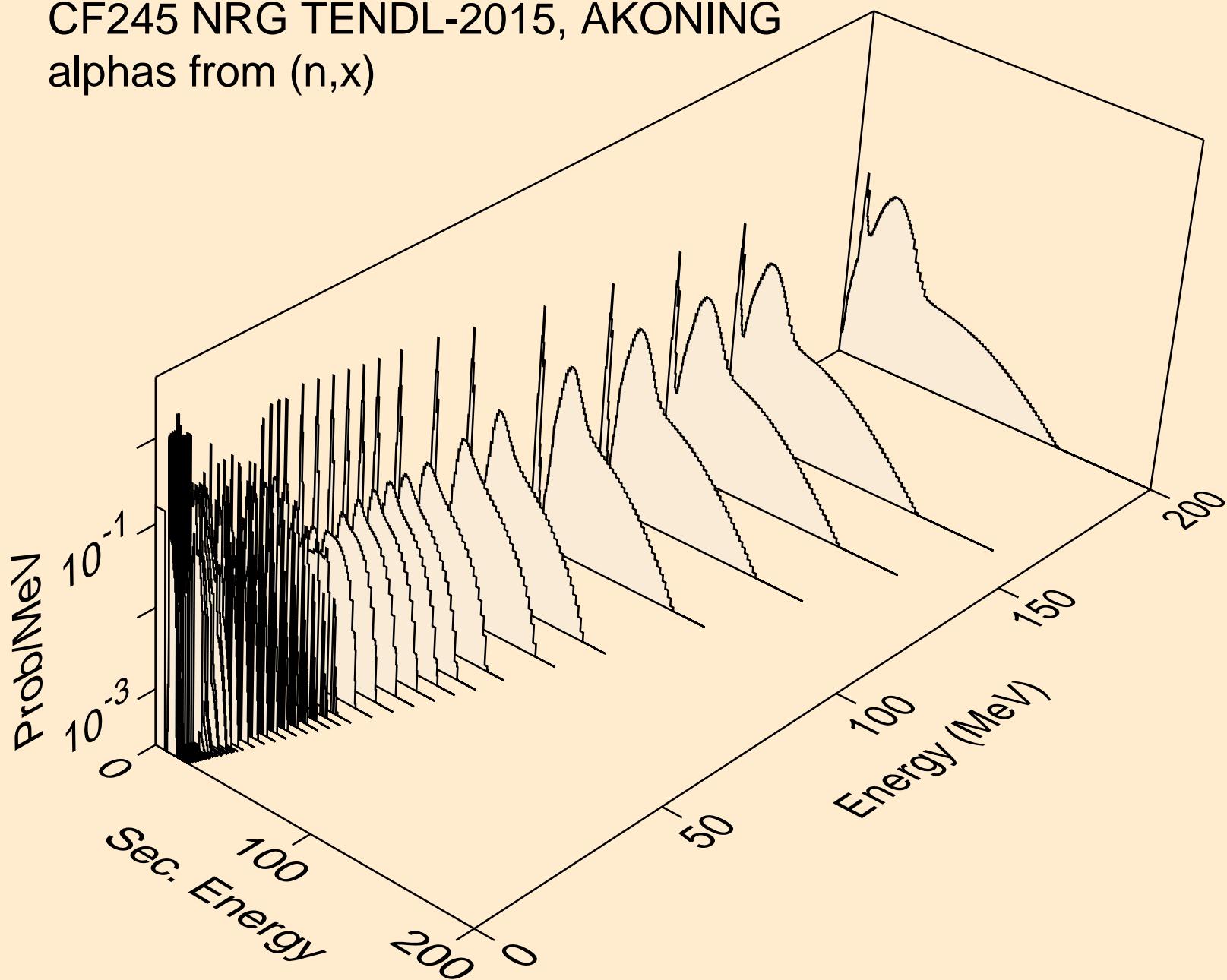
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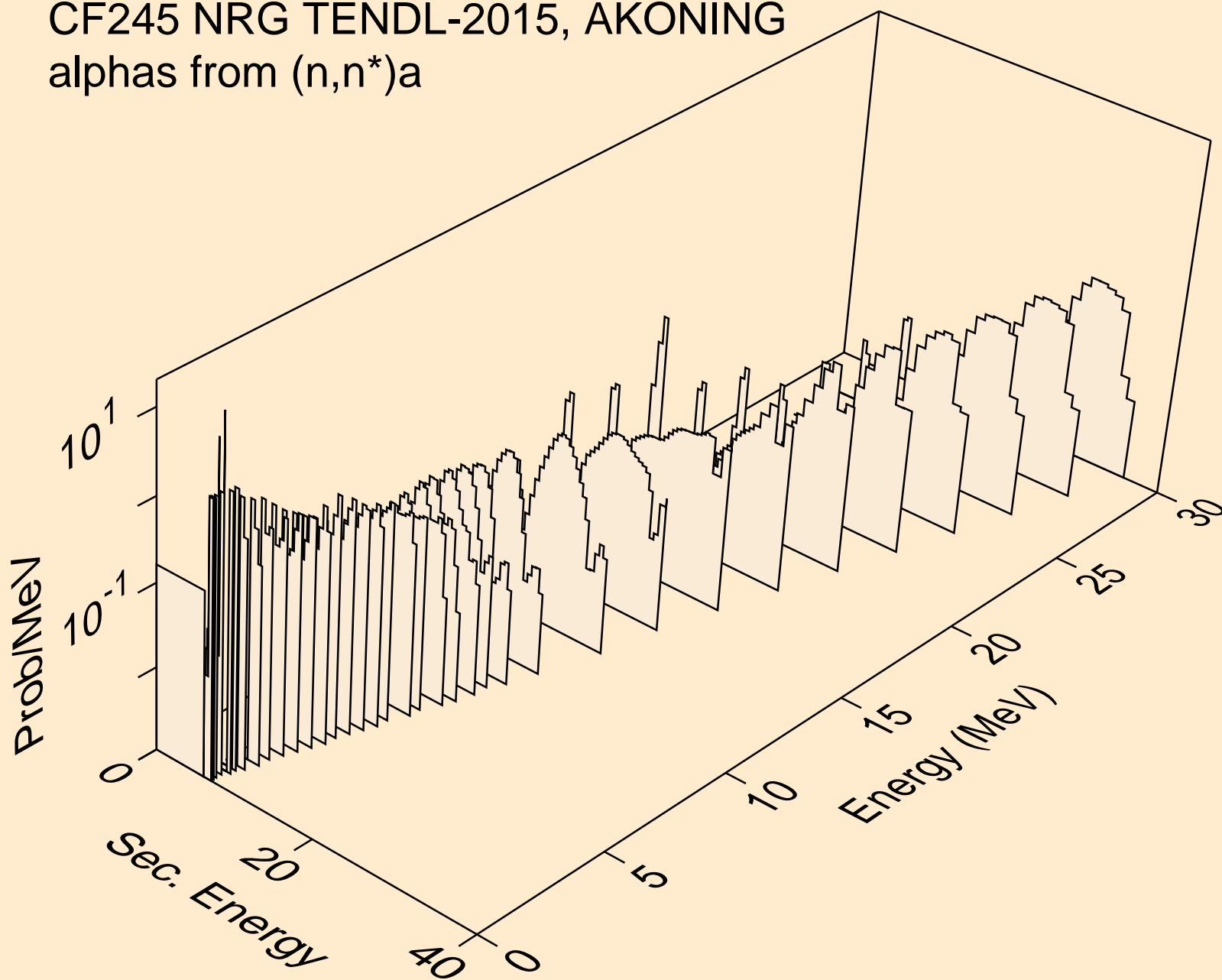
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he3s from (n,he3)



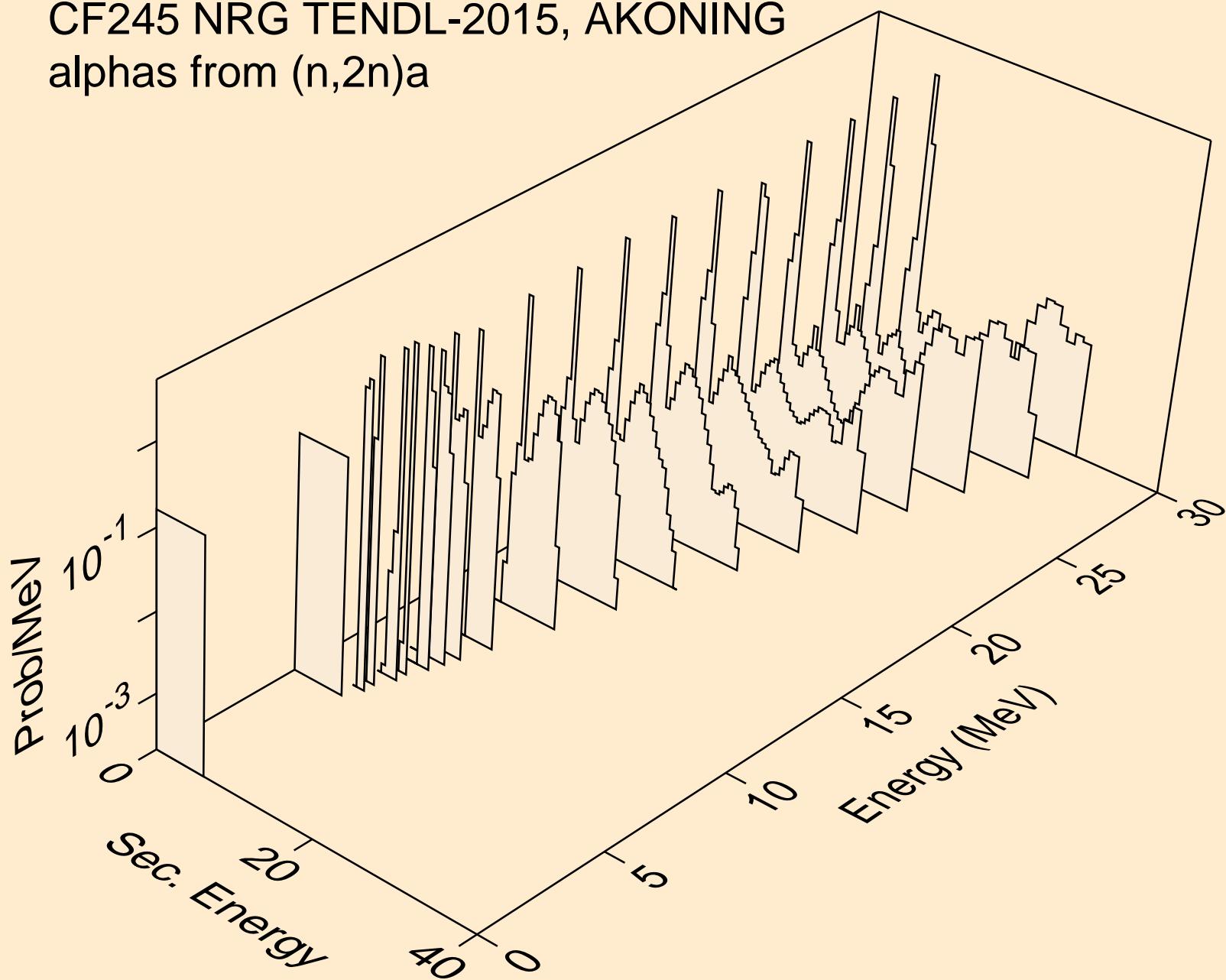
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alphas from (n,x)



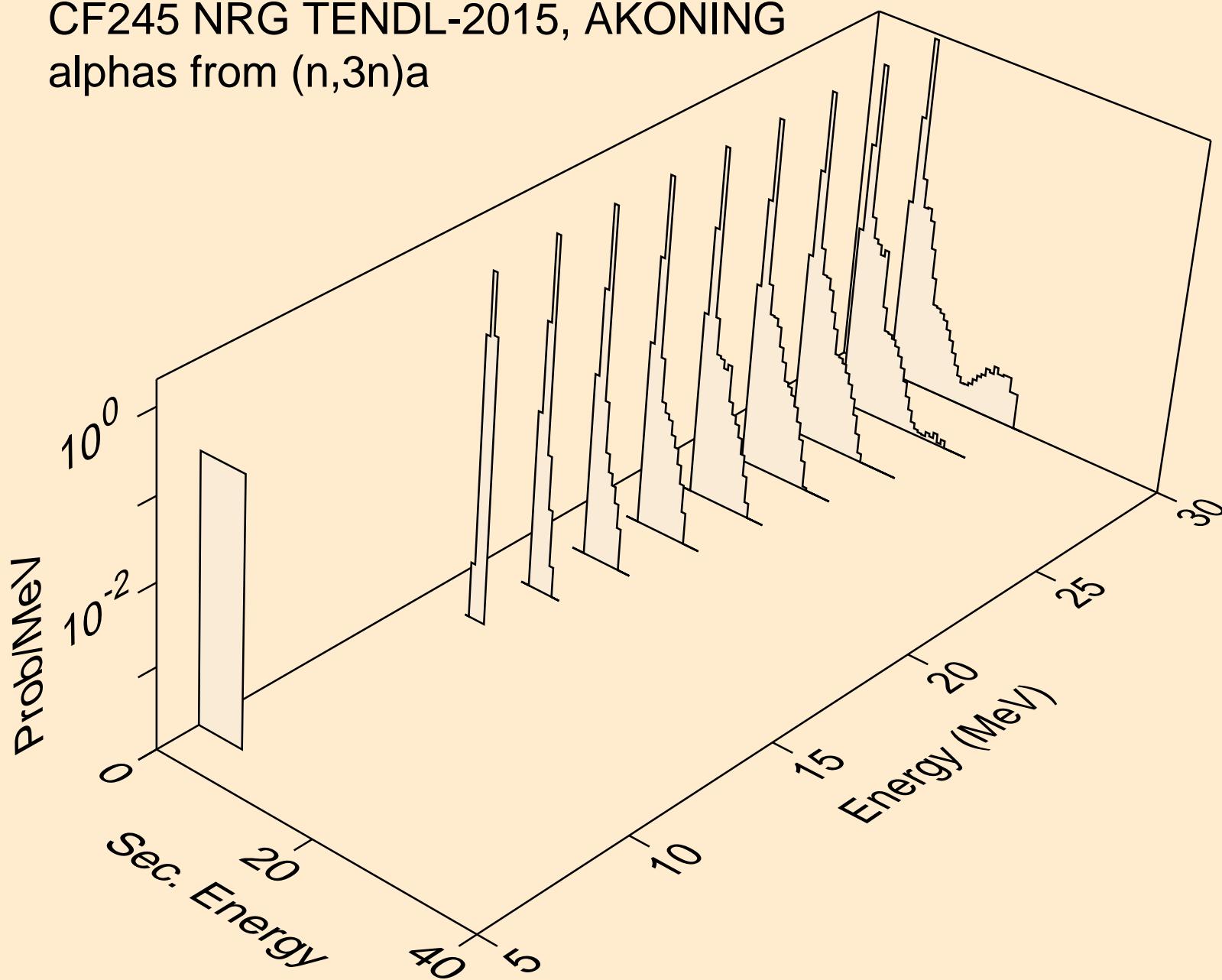
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alphas from  $(n,n^*)a$



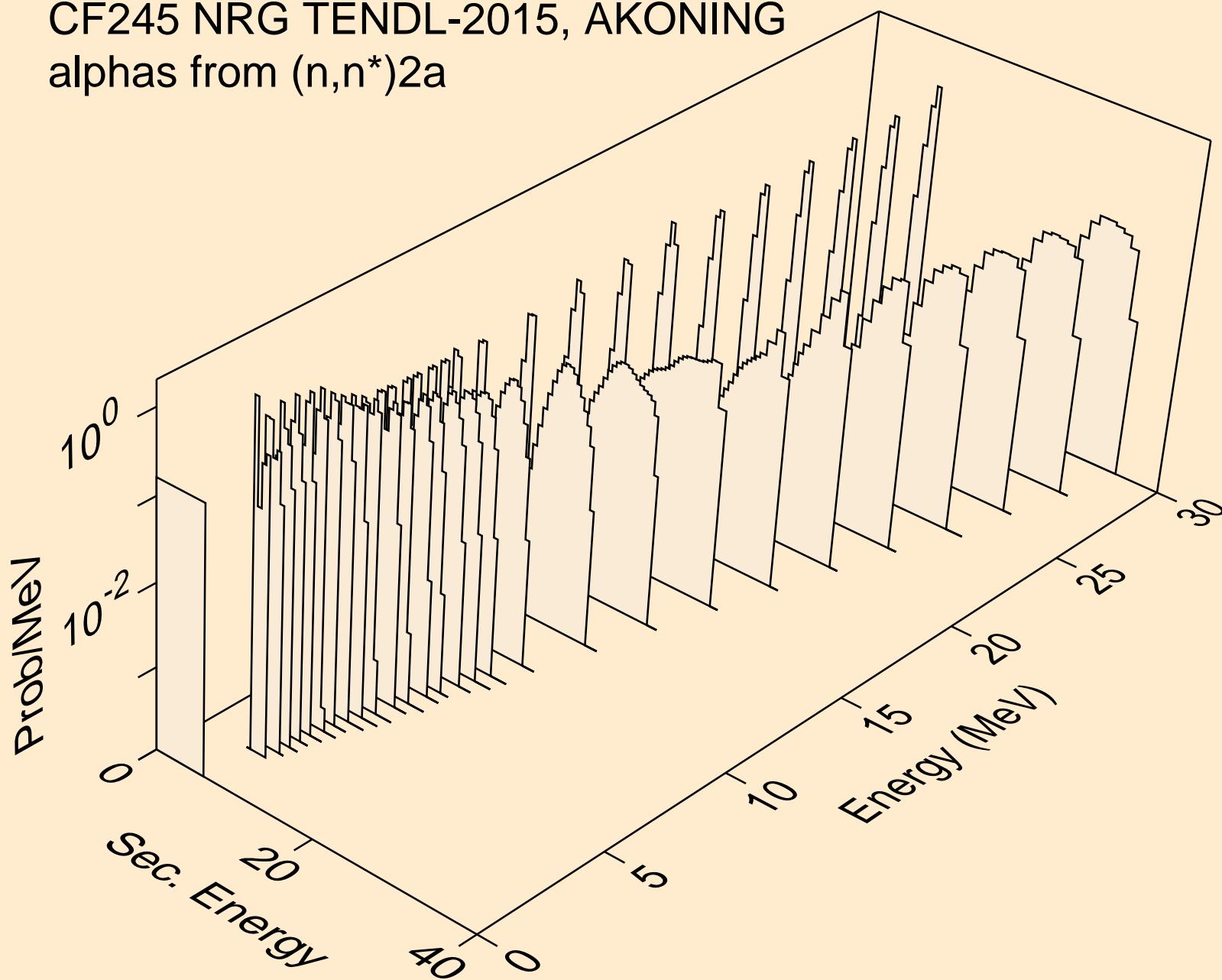
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alphas from ( $n,2n$ )a



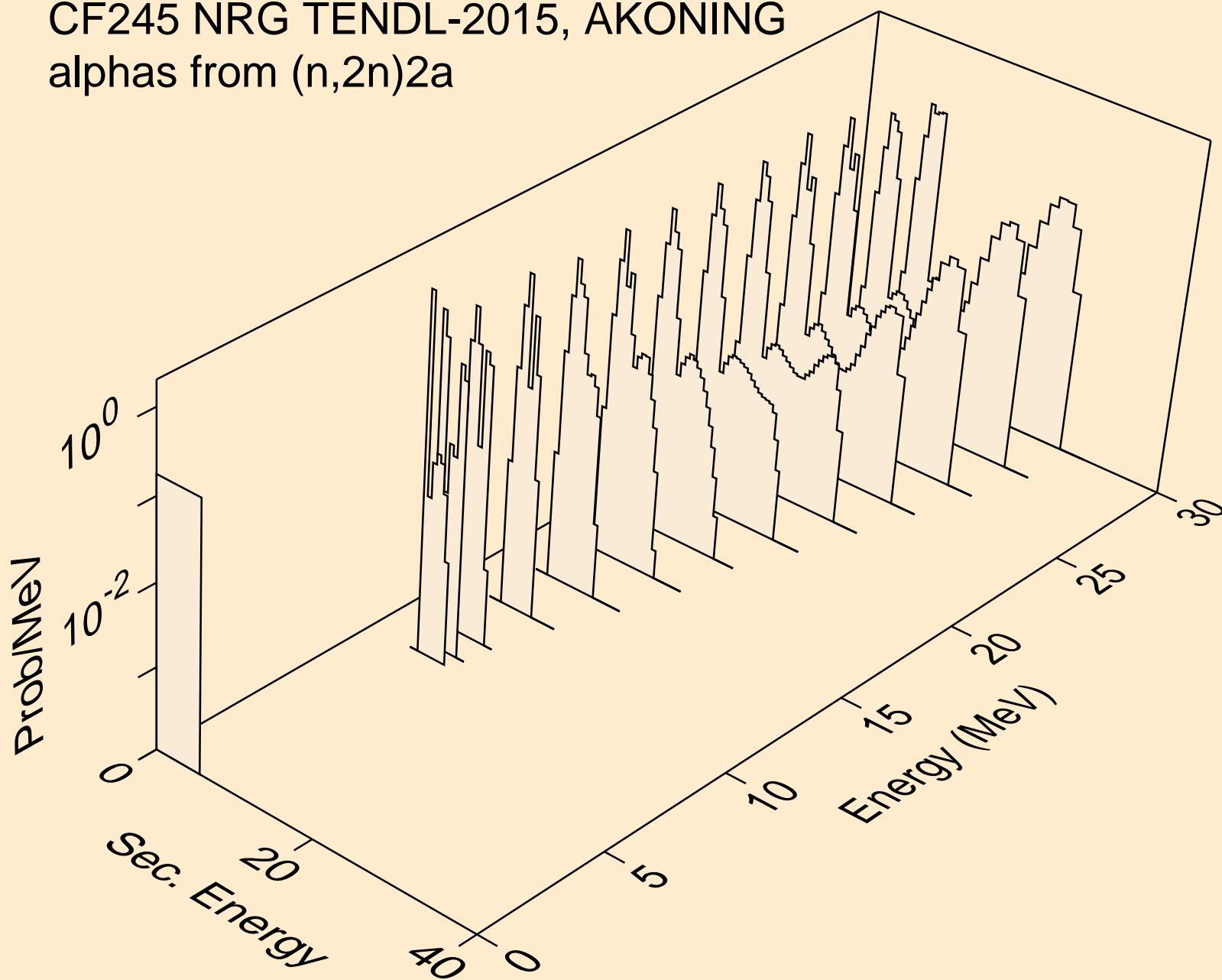
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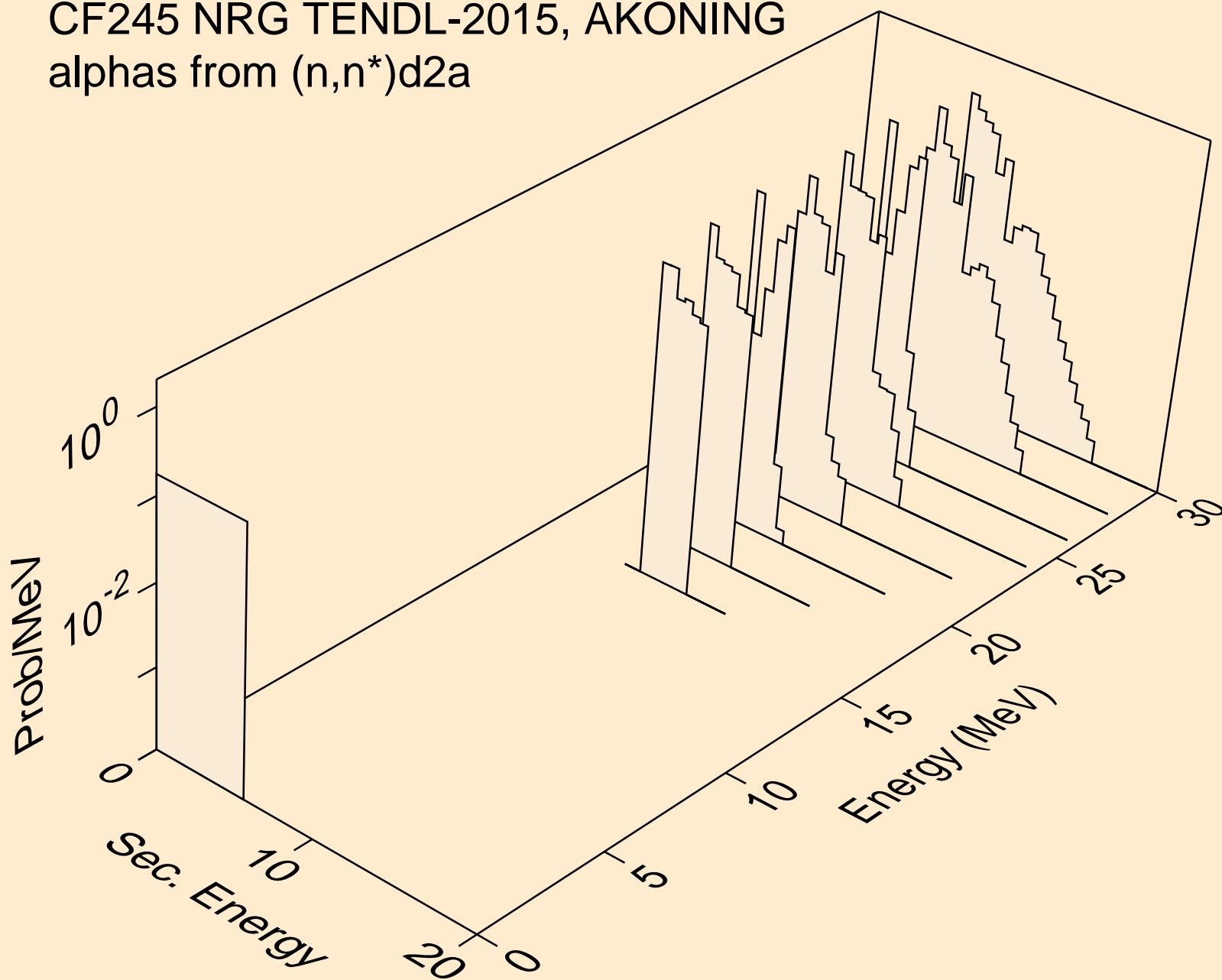
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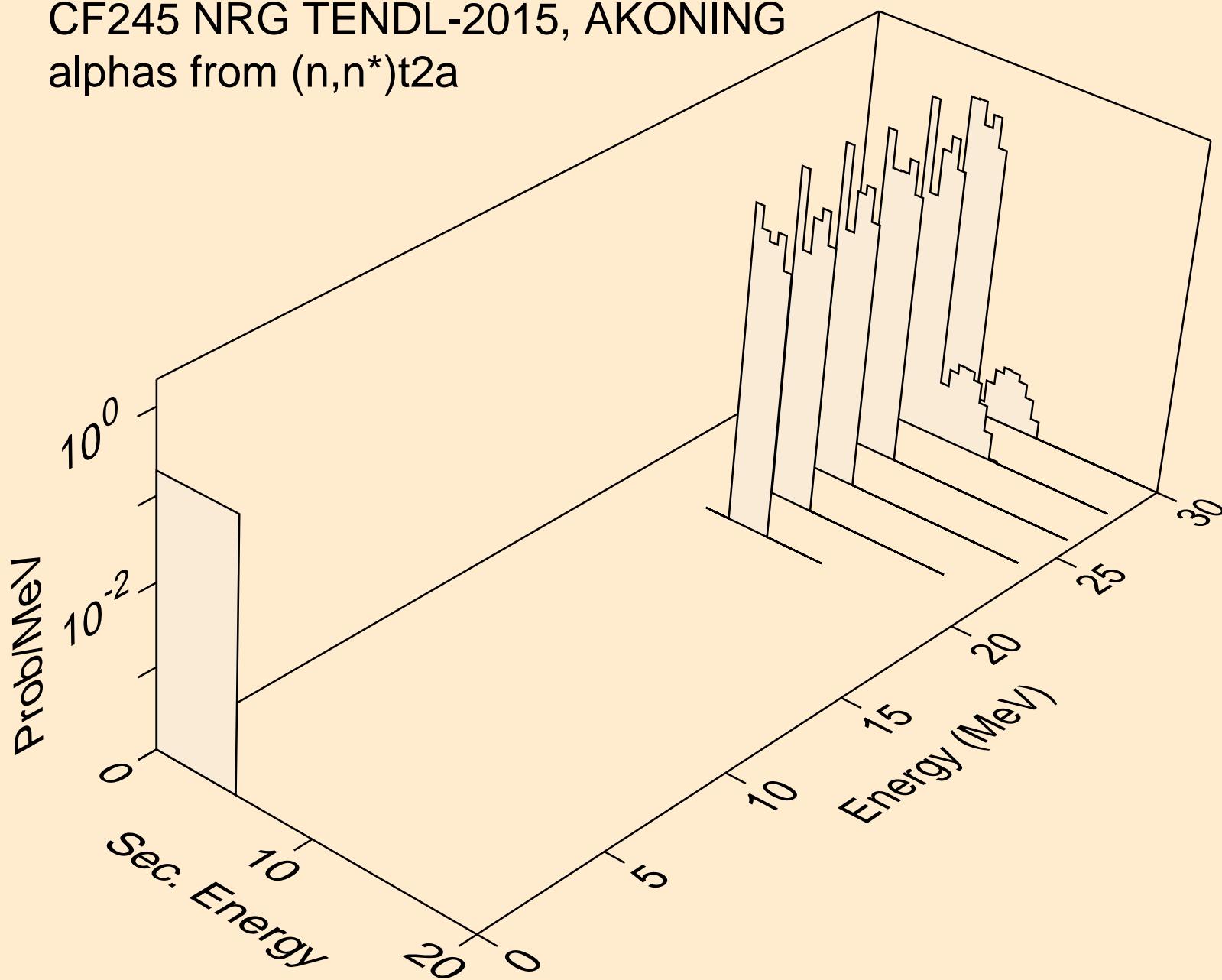
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alphas from  $(n,2n)2a$



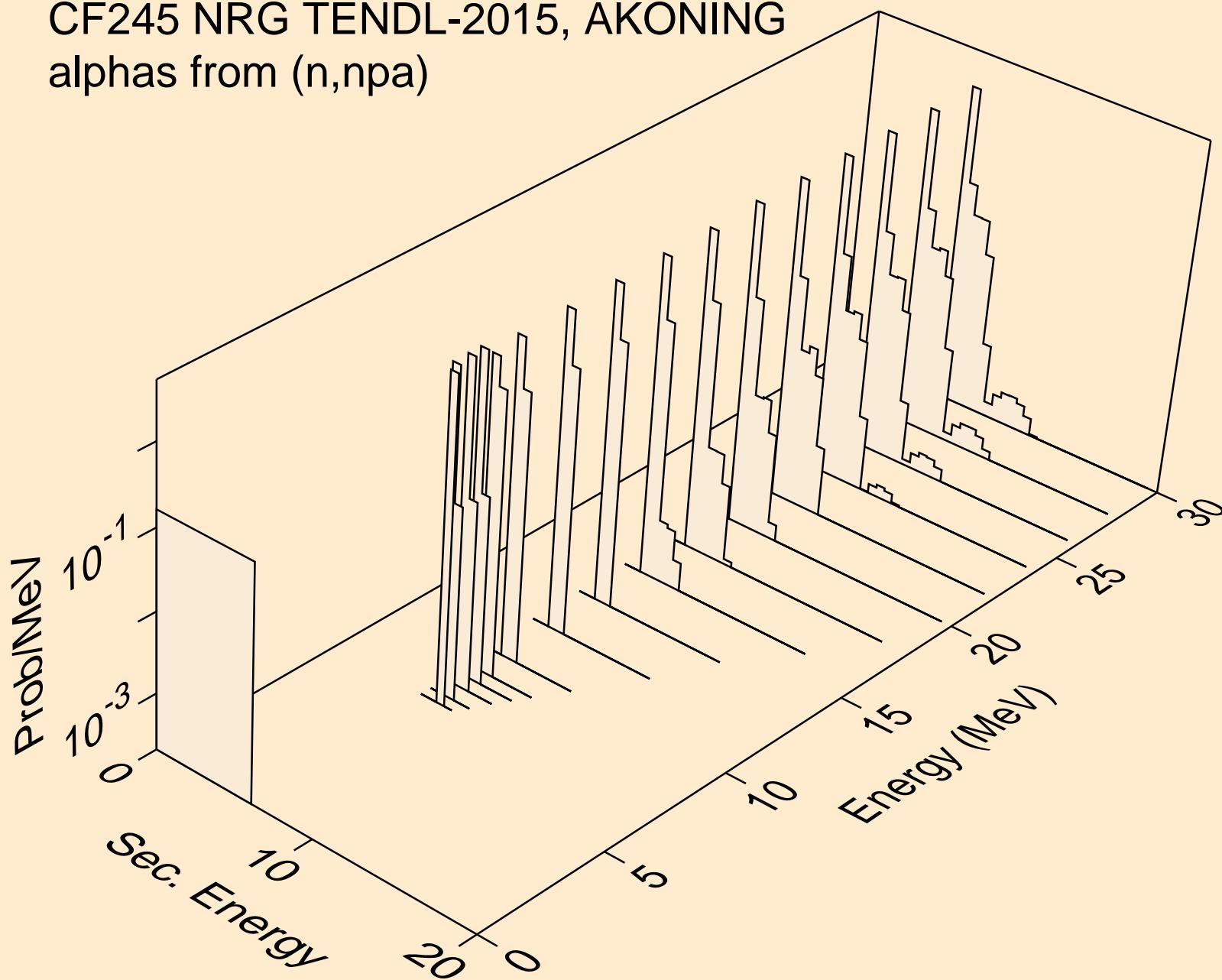
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alphas from  $(n,n^*)d2a$



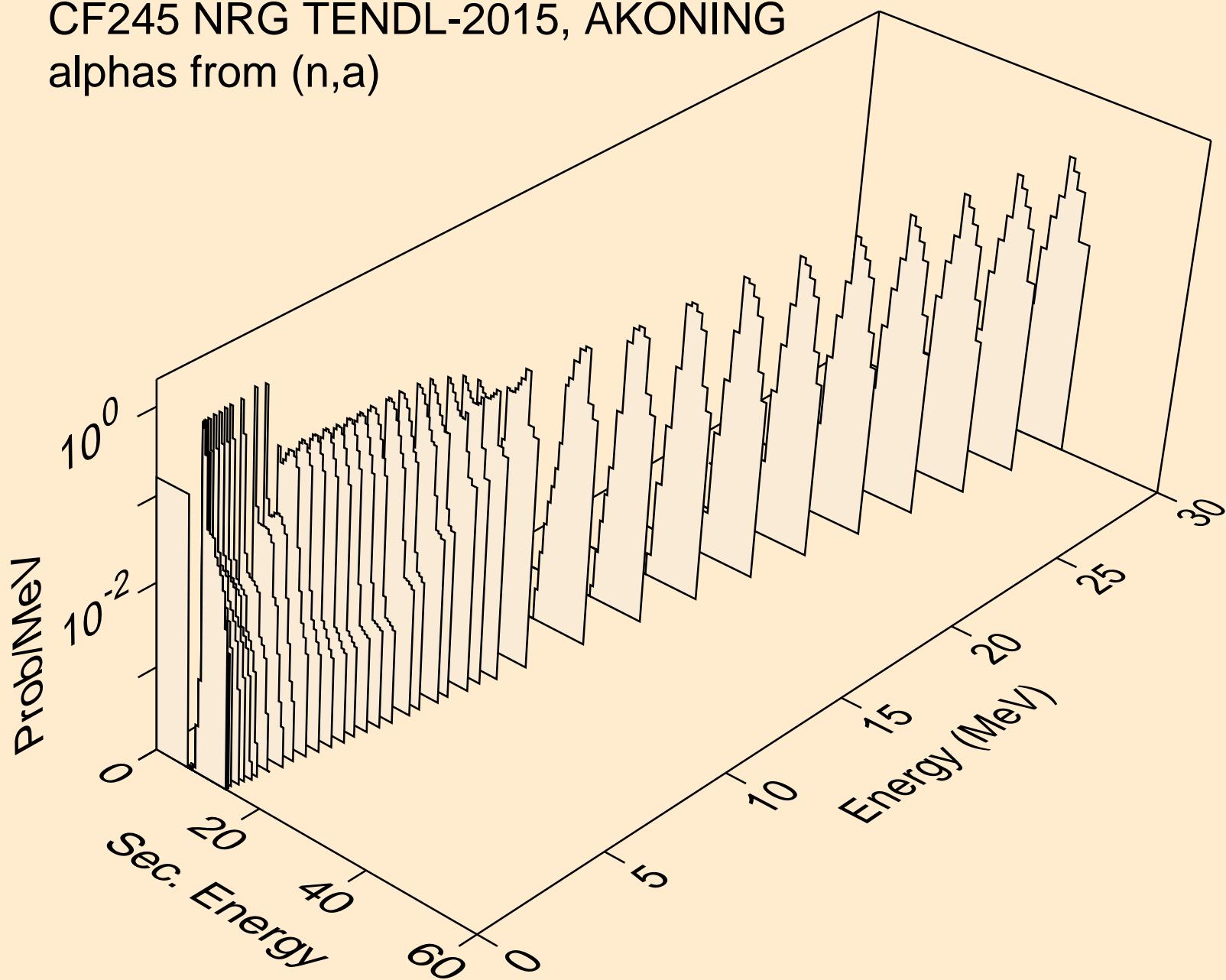
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alphas from  $(n,n^*)t2a$



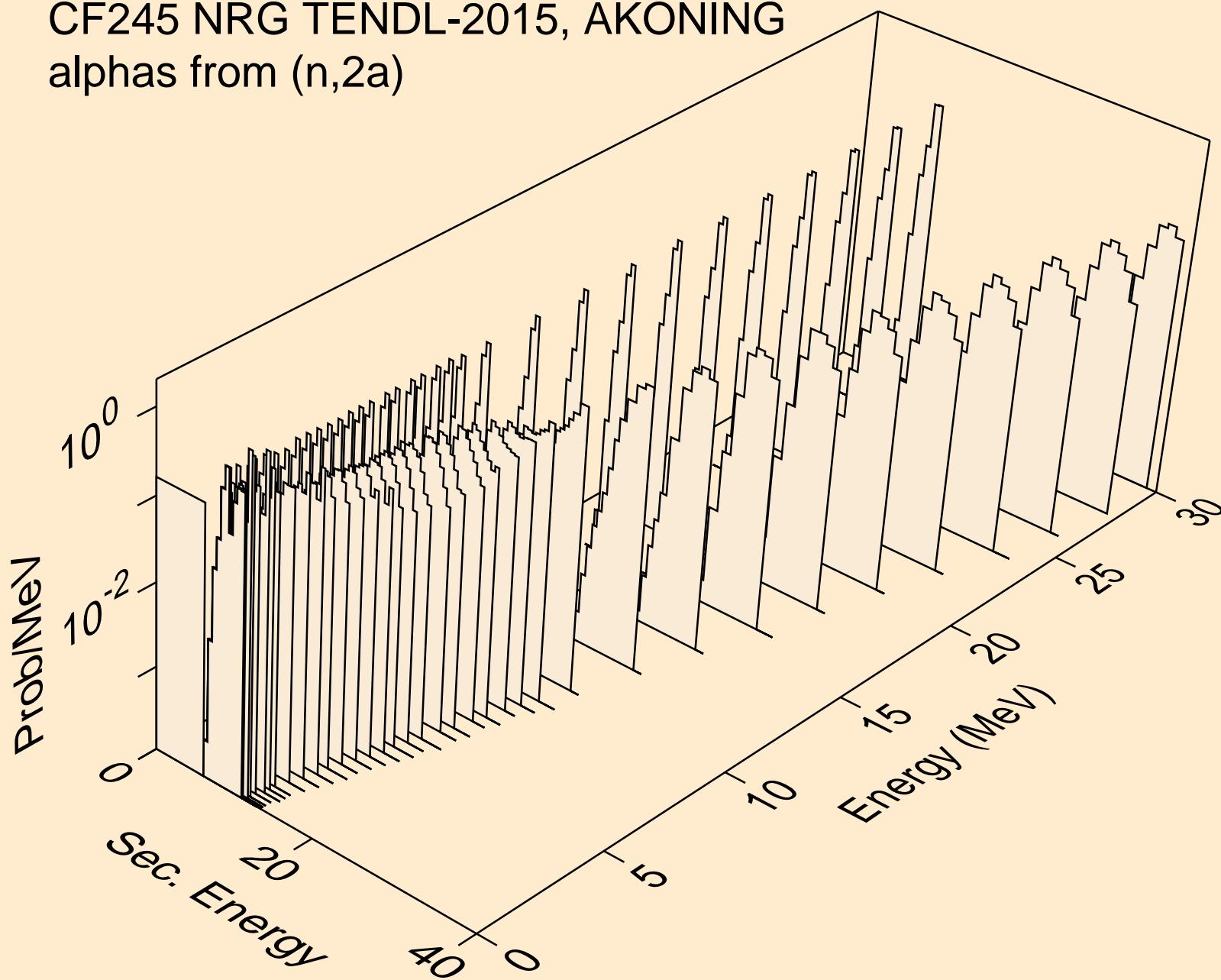
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alphas from (n,npa)



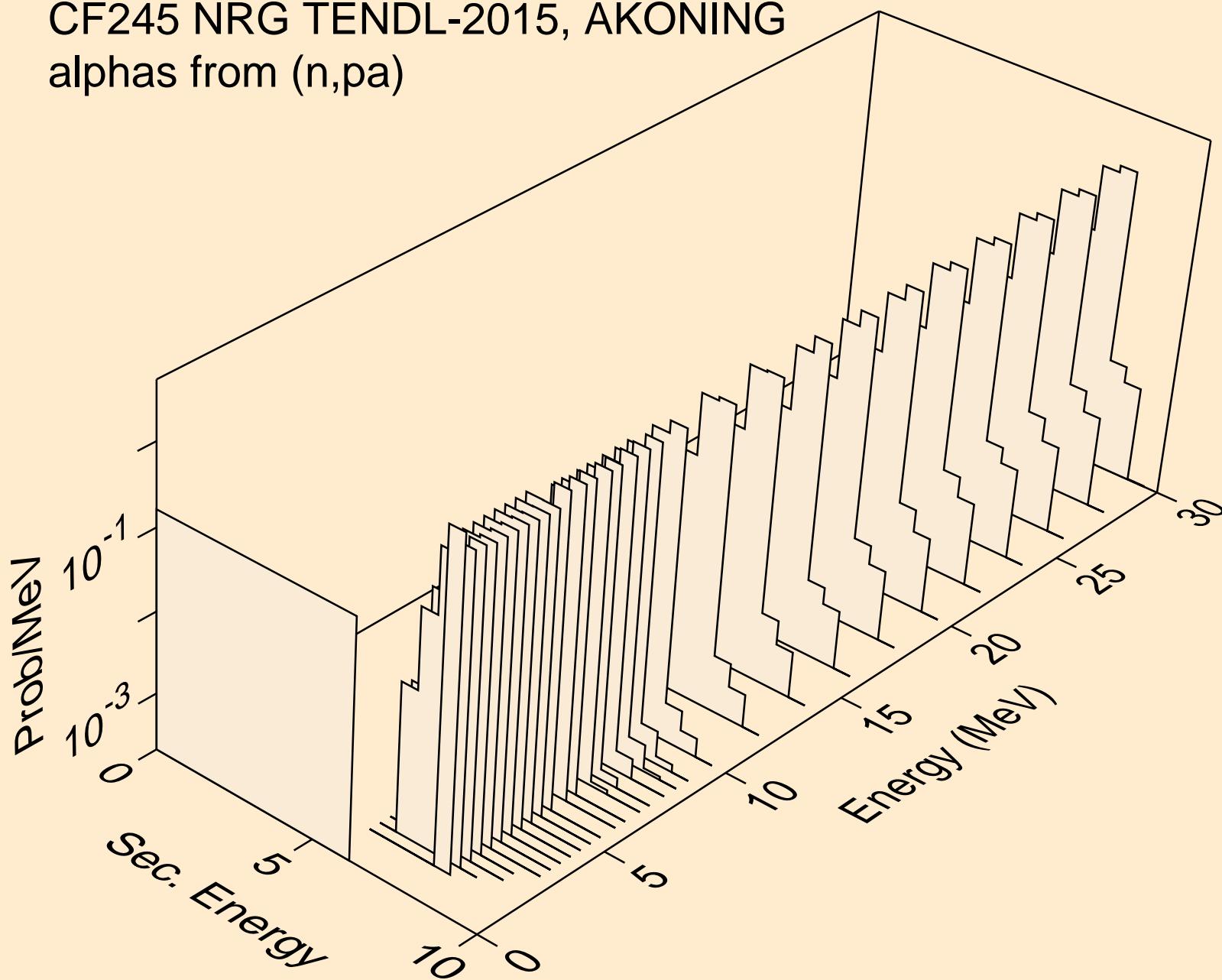
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alphas from (n,a)



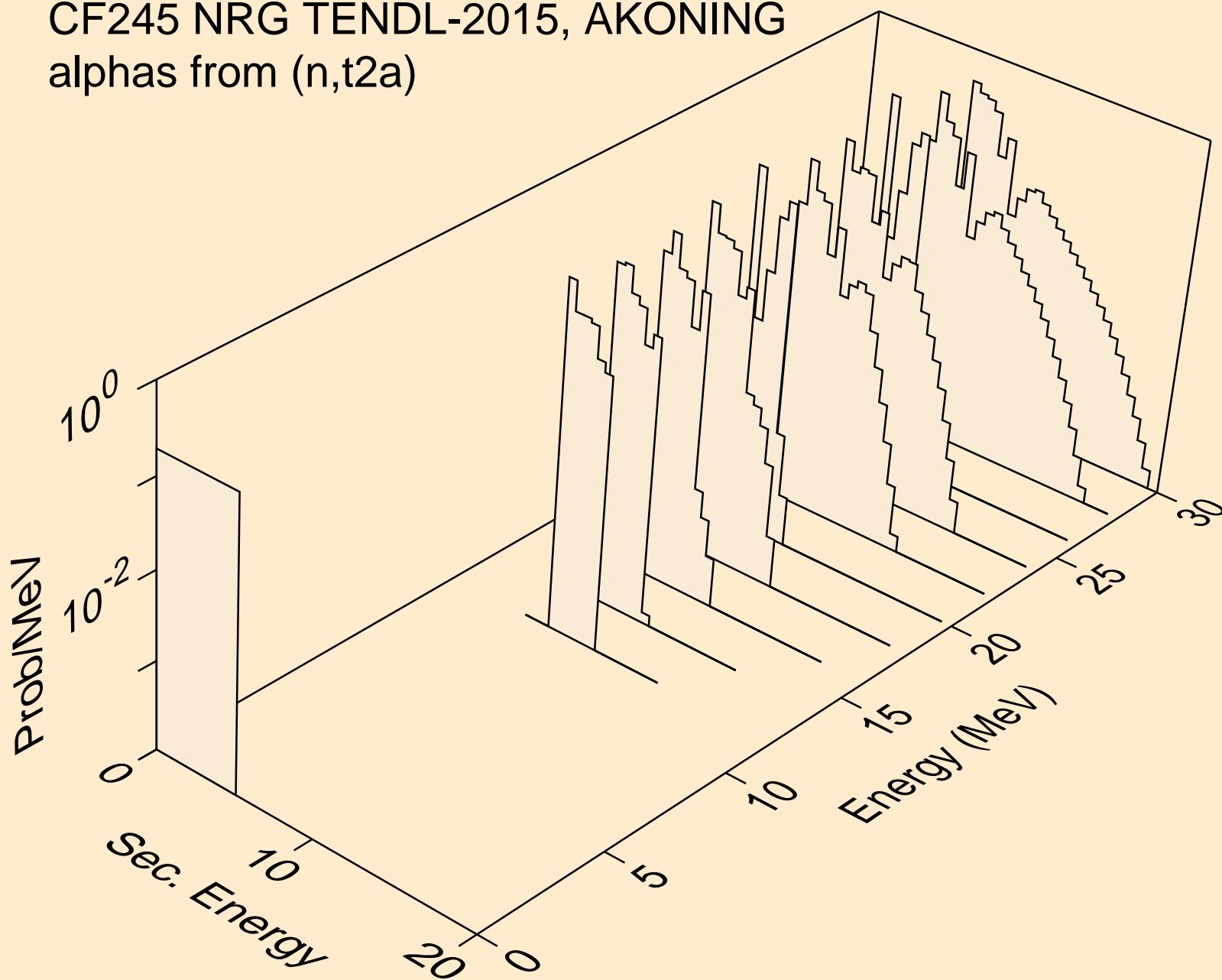
CF245 NRG TENDL-2015, AKONING  
alphas from ( $n,2a$ )



CF245 NRG TENDL-2015, AKONING  
alphas from (n,pa)



CF245 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



CF245 NRG TENDL-2015, AKONING  
alphas from (n,da)

