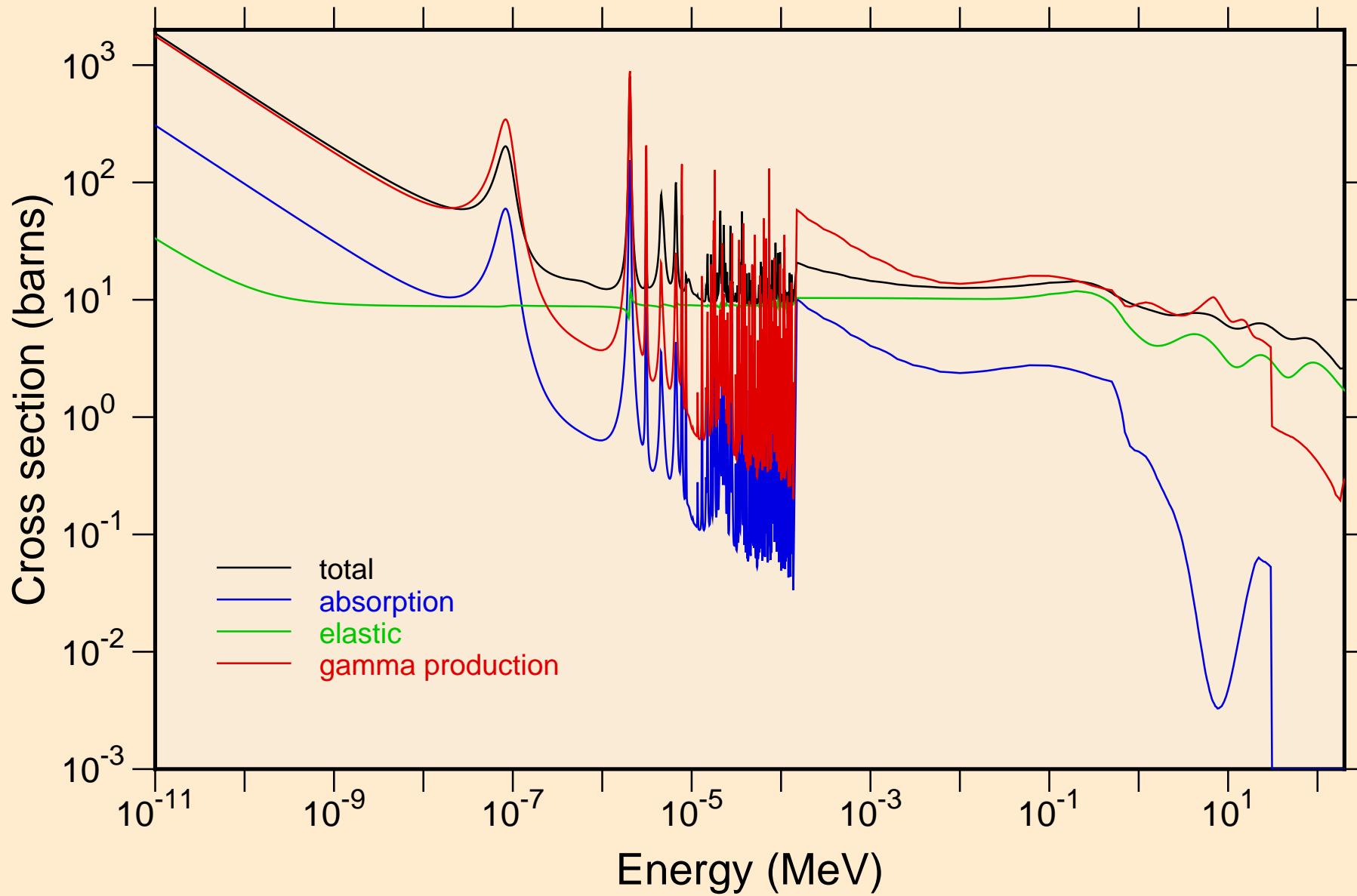
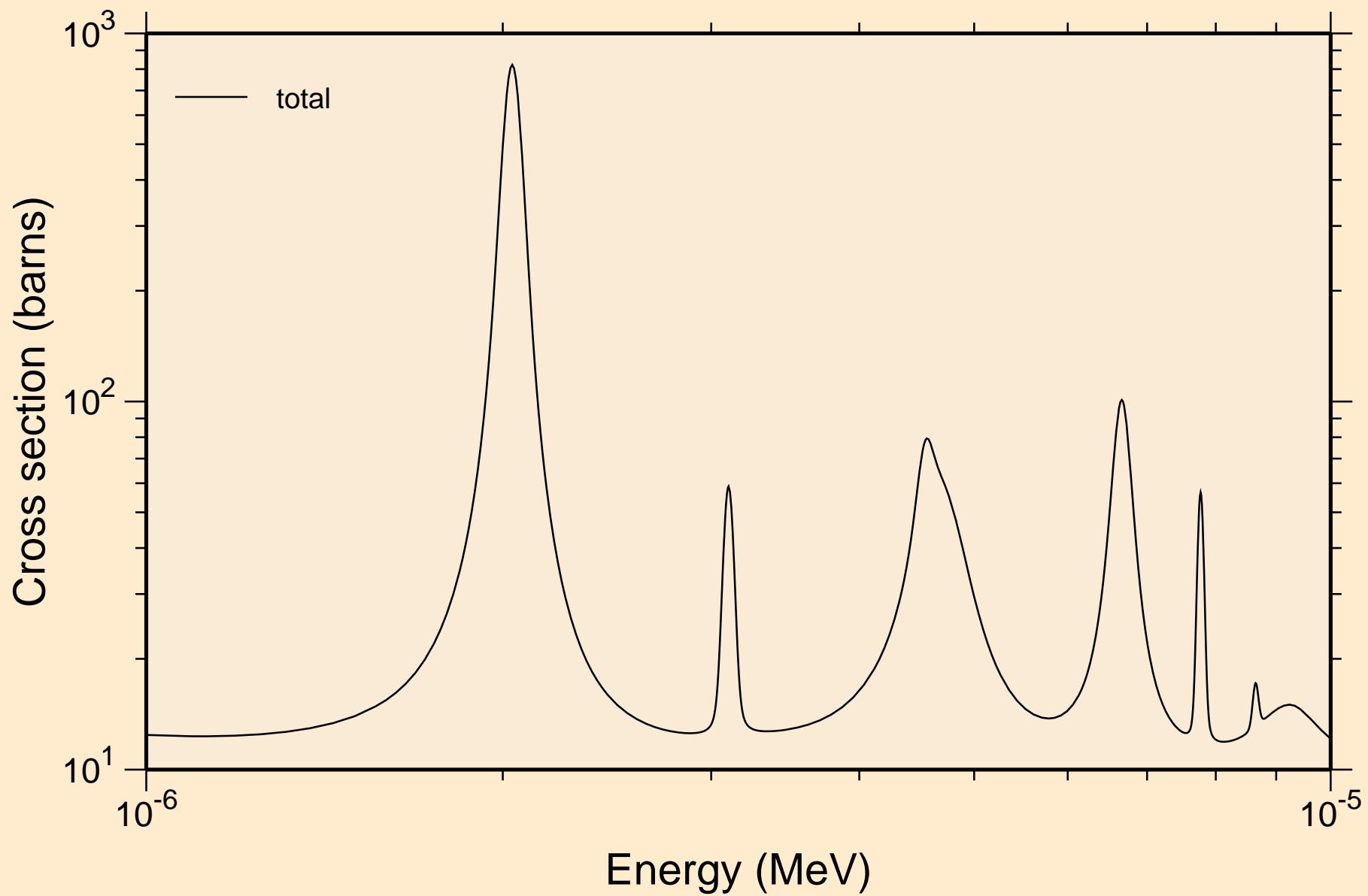


# FM247 NRG TENDL-2015, AKONING

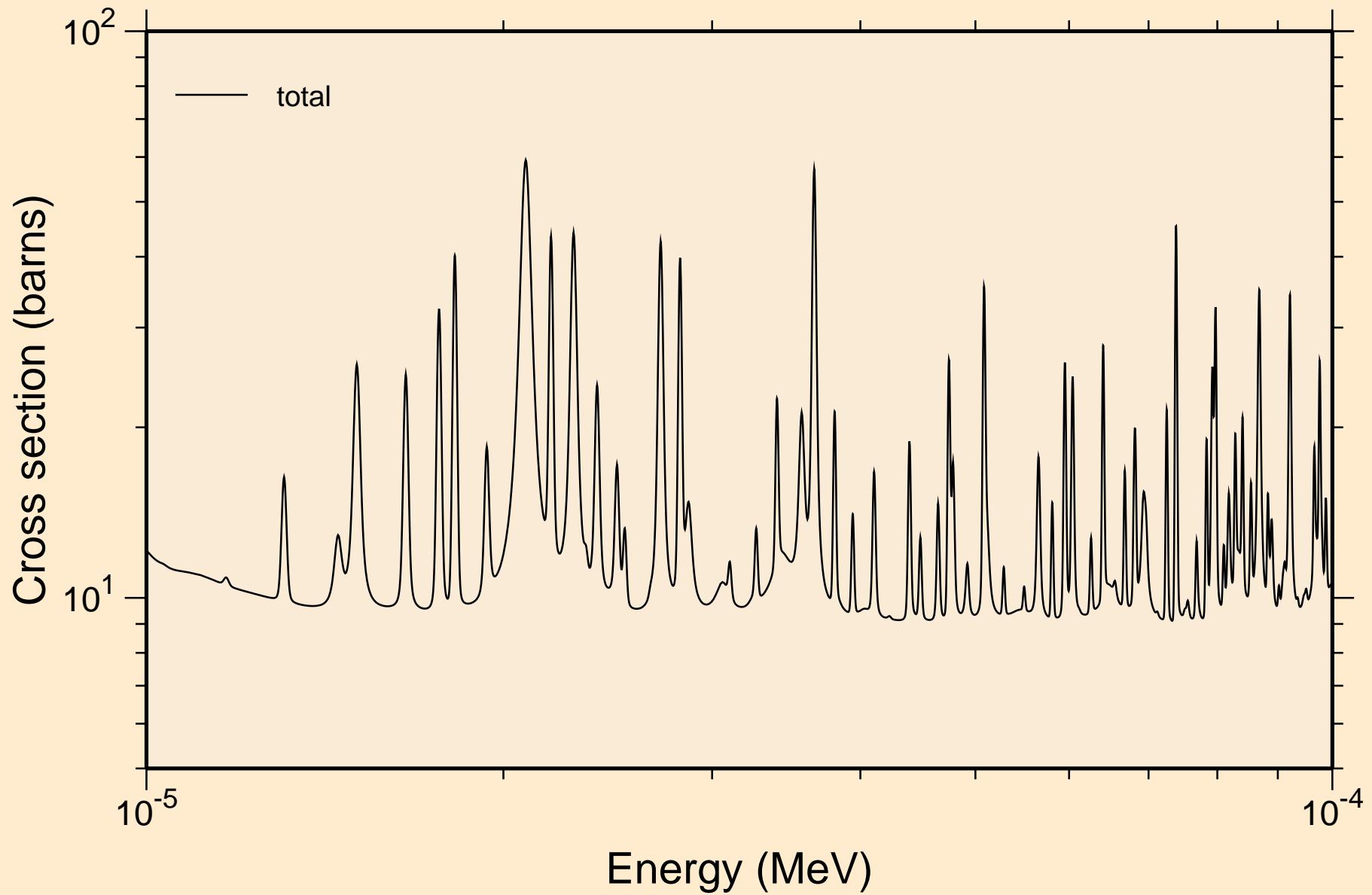
## Principal cross sections



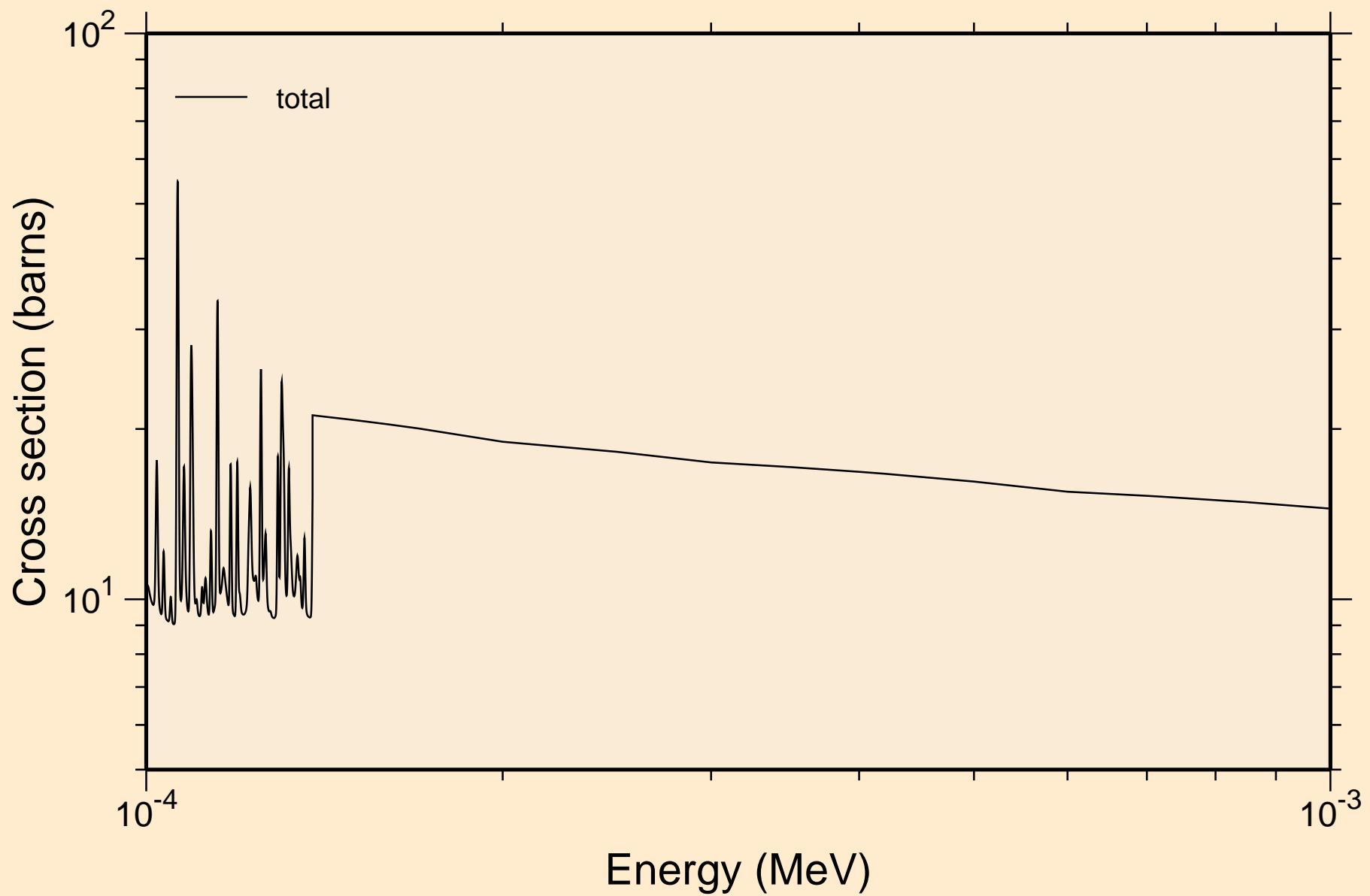
FM247 NRG TENDL-2015, AKONING  
resonance total cross section



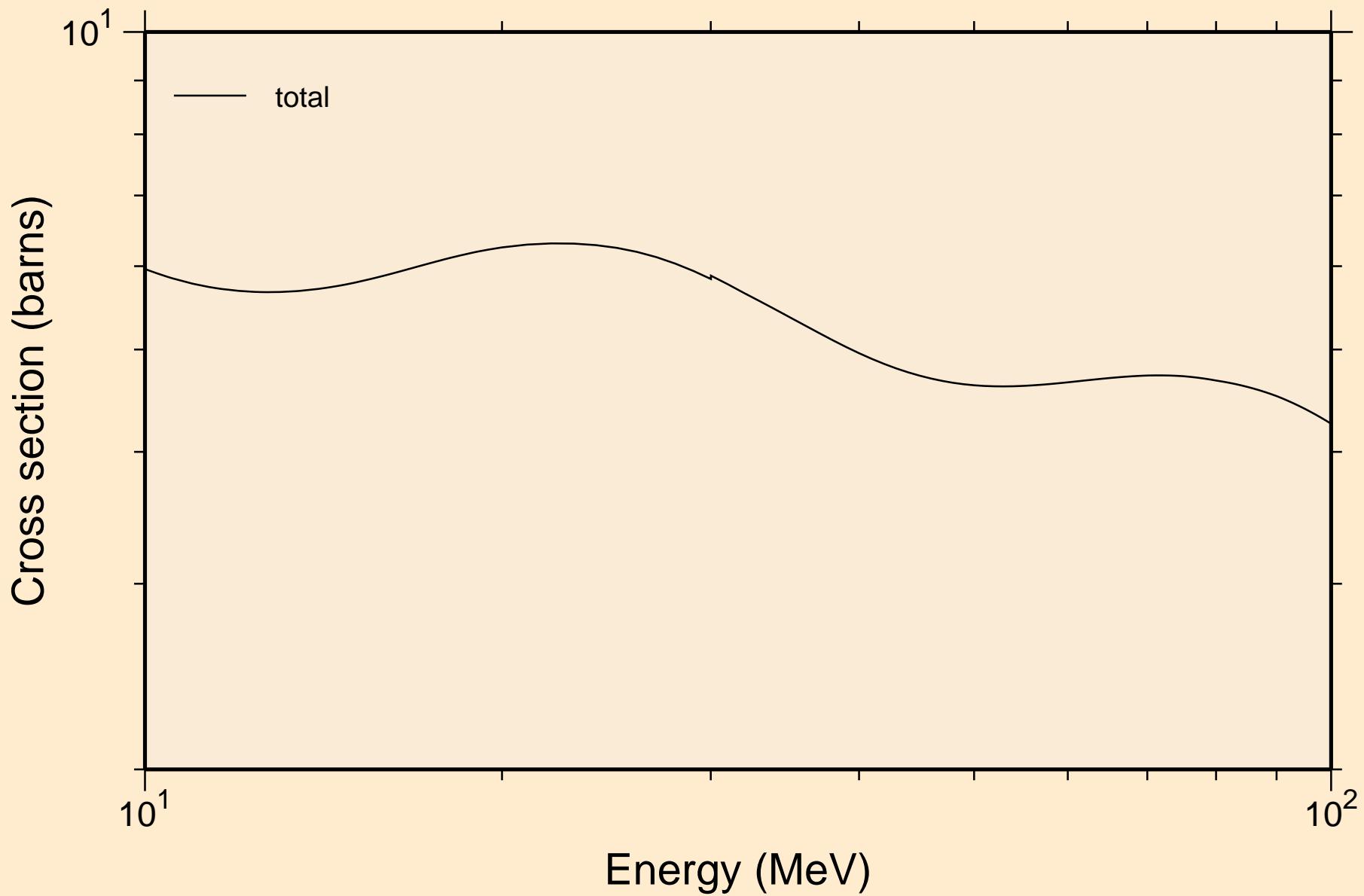
FM247 NRG TENDL-2015, AKONING  
resonance total cross section



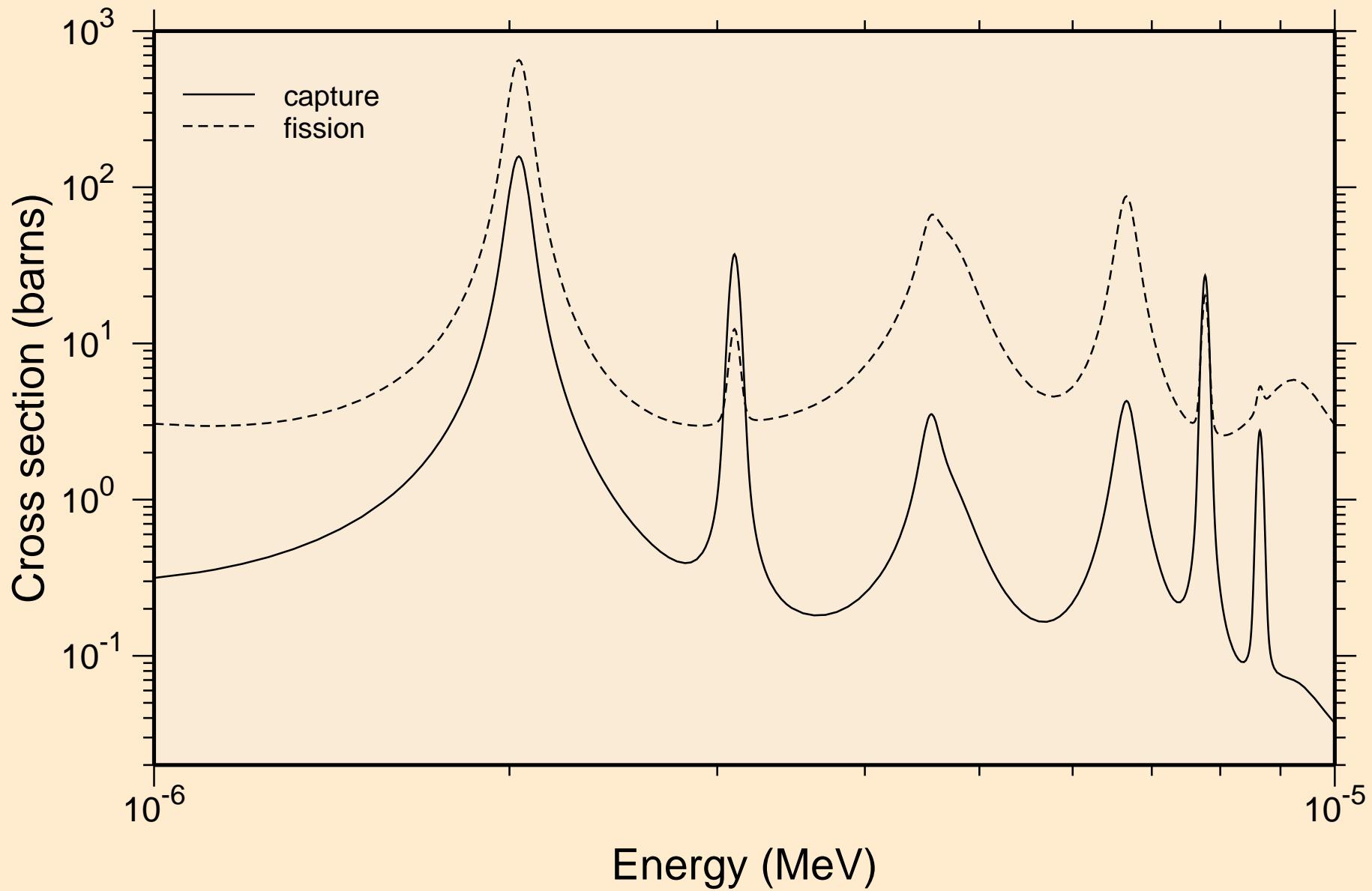
FM247 NRG TENDL-2015, AKONING  
resonance total cross section



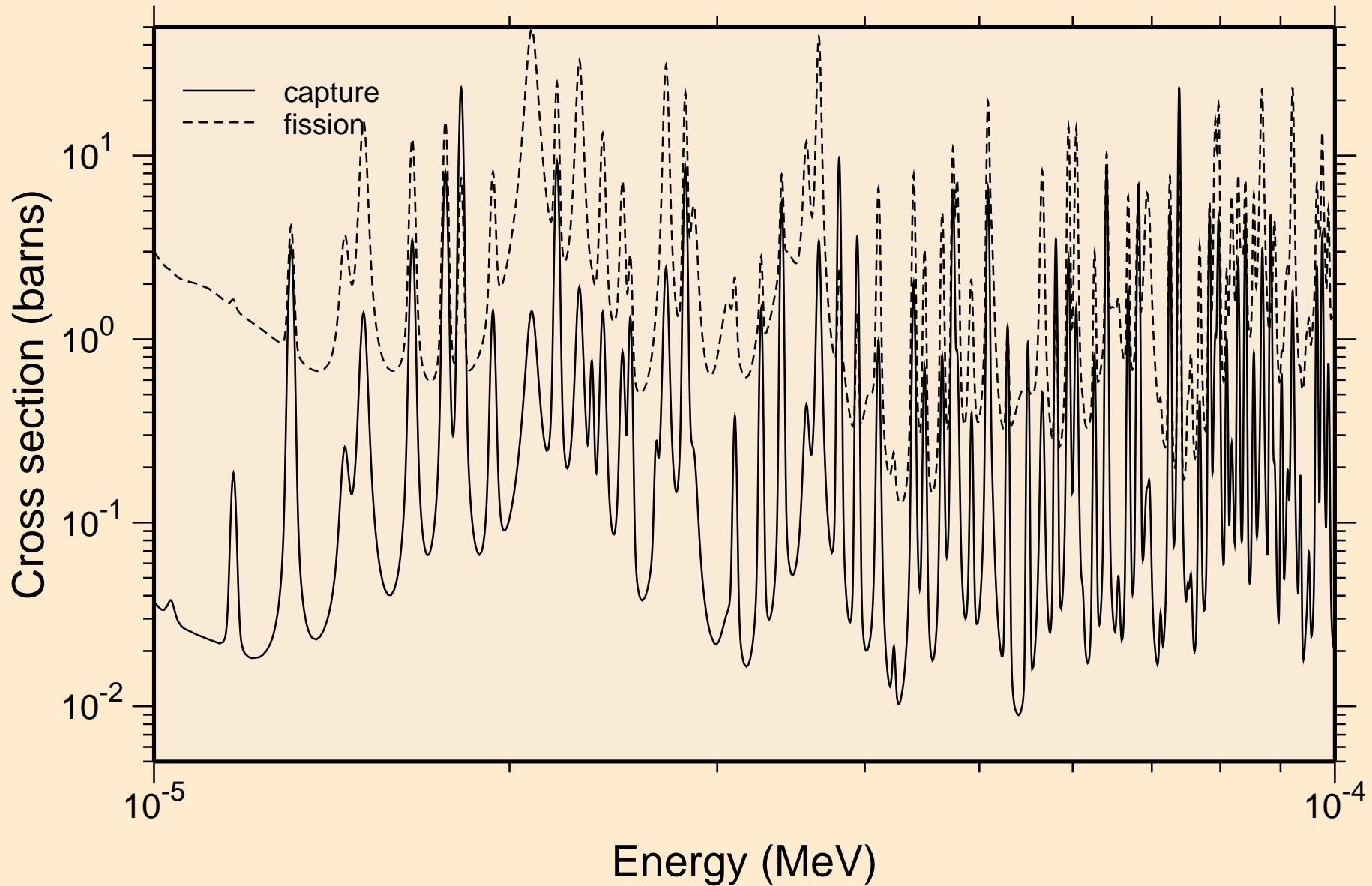
FM247 NRG TENDL-2015, AKONING  
resonance total cross section



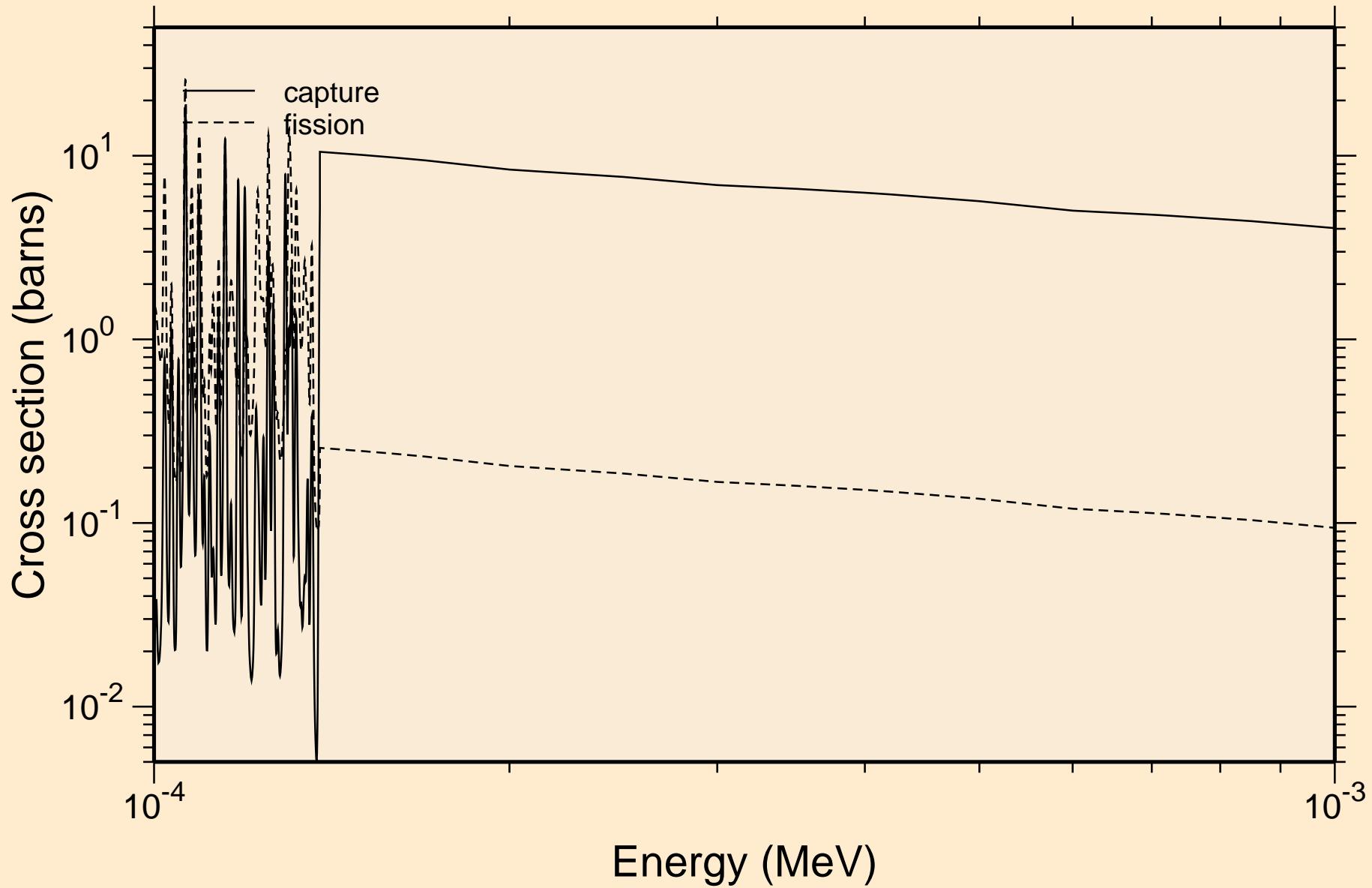
# FM247 NRG TENDL-2015, AKONING resonance absorption cross sections



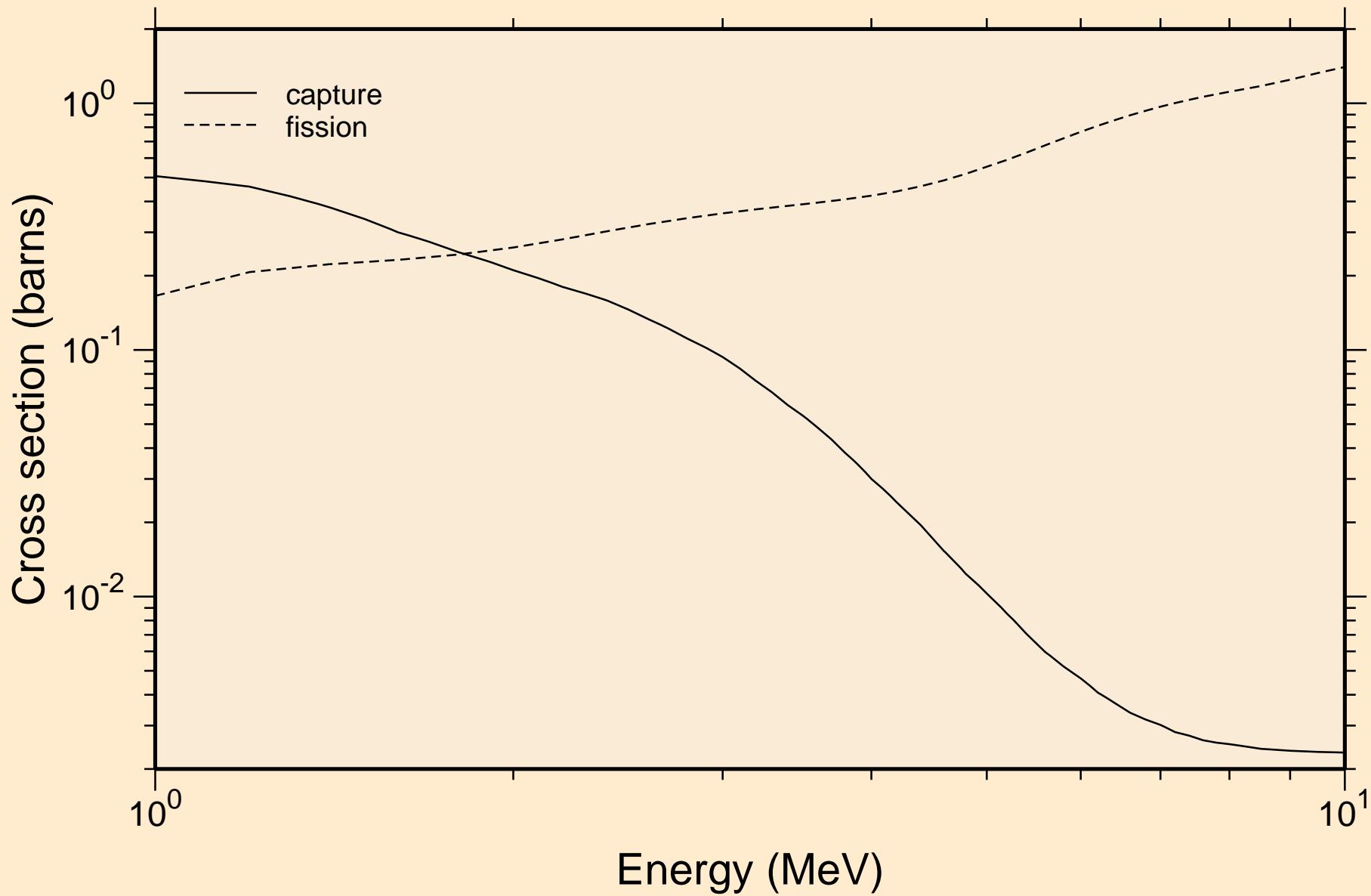
# FM247 NRG TENDL-2015, AKONING resonance absorption cross sections



# FM247 NRG TENDL-2015, AKONING resonance absorption cross sections

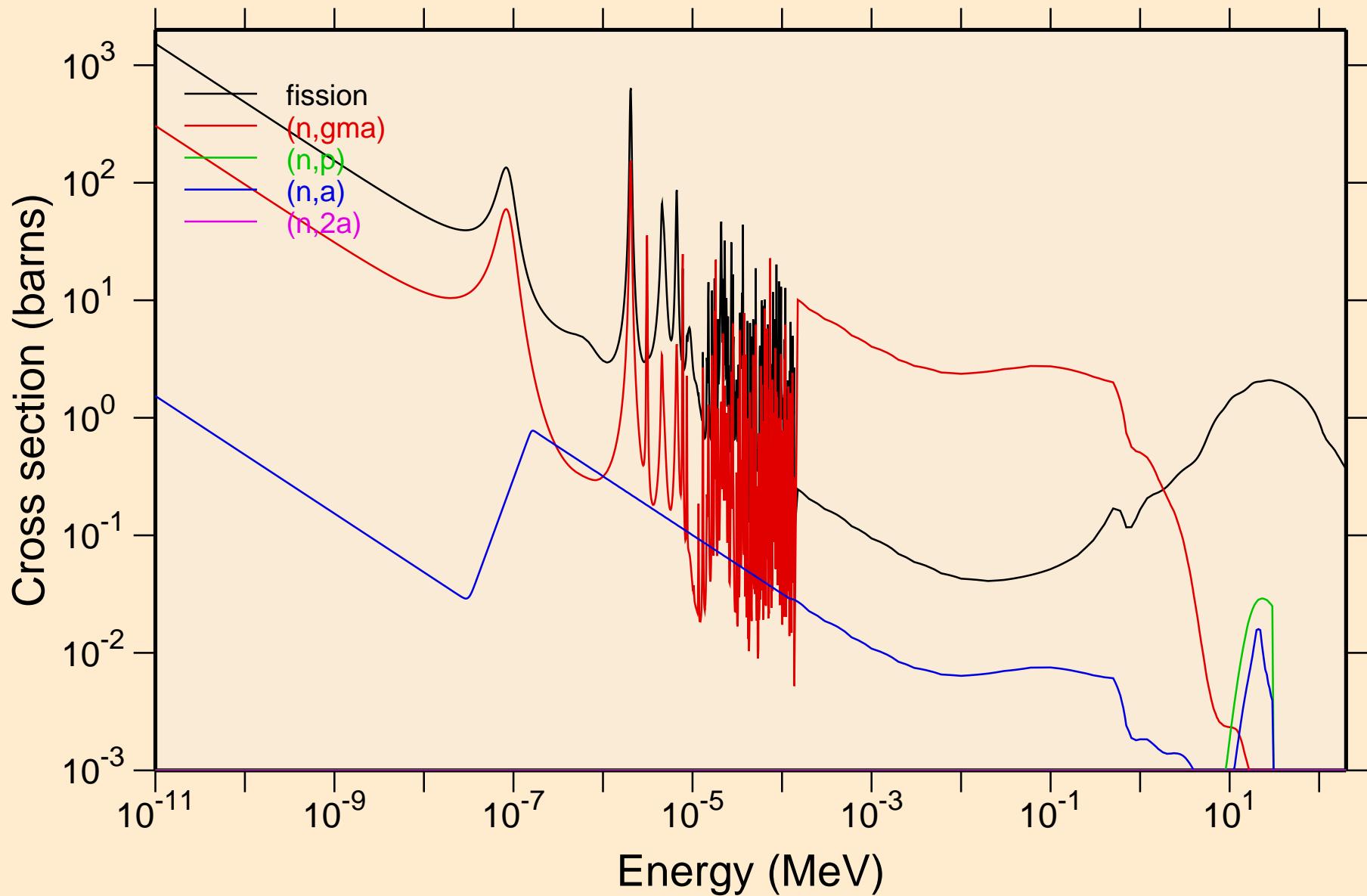


FM247 NRG TENDL-2015, AKONING  
resonance absorption cross sections

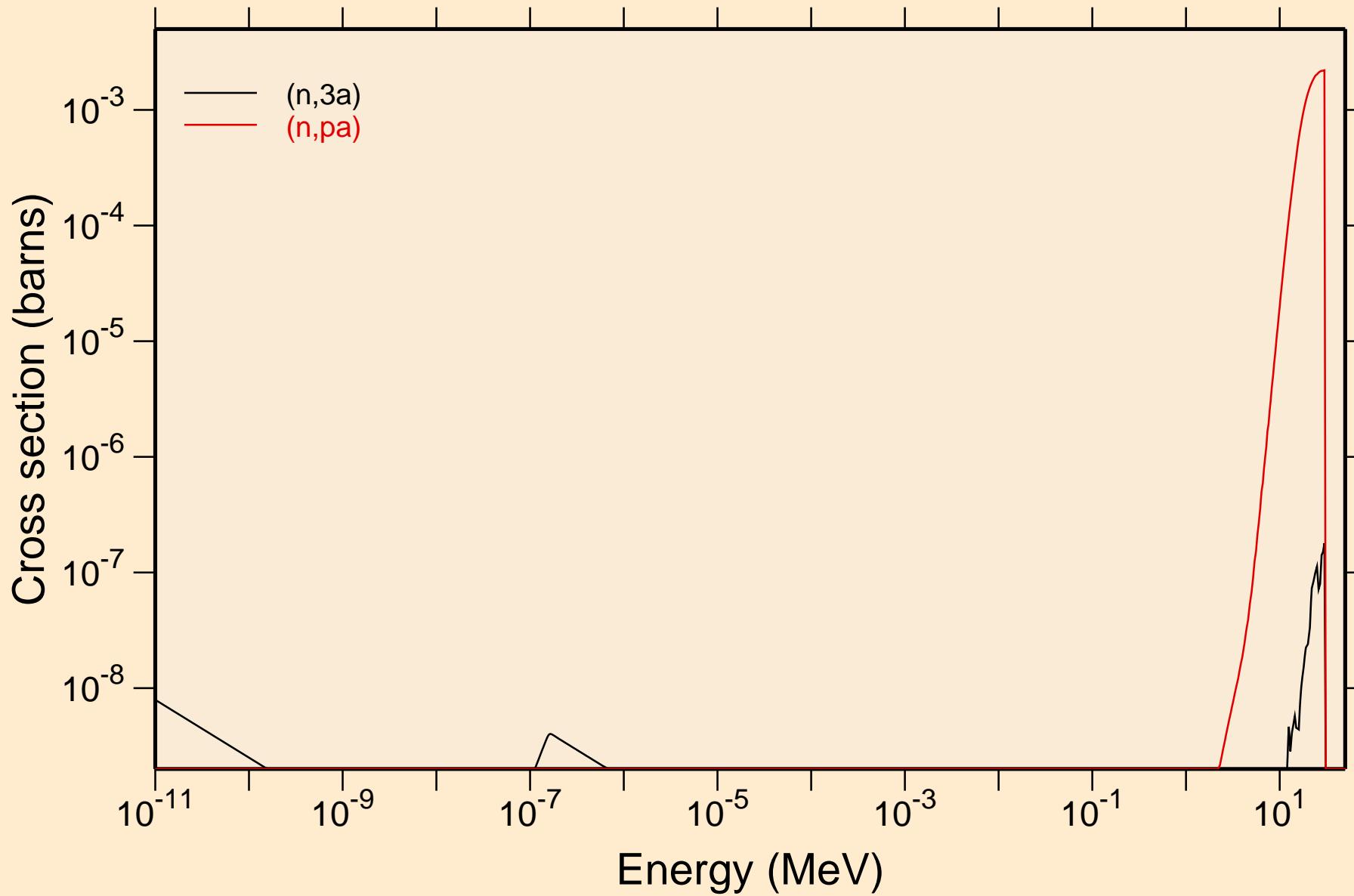


# FM247 NRG TENDL-2015, AKONING

## Non-threshold reactions

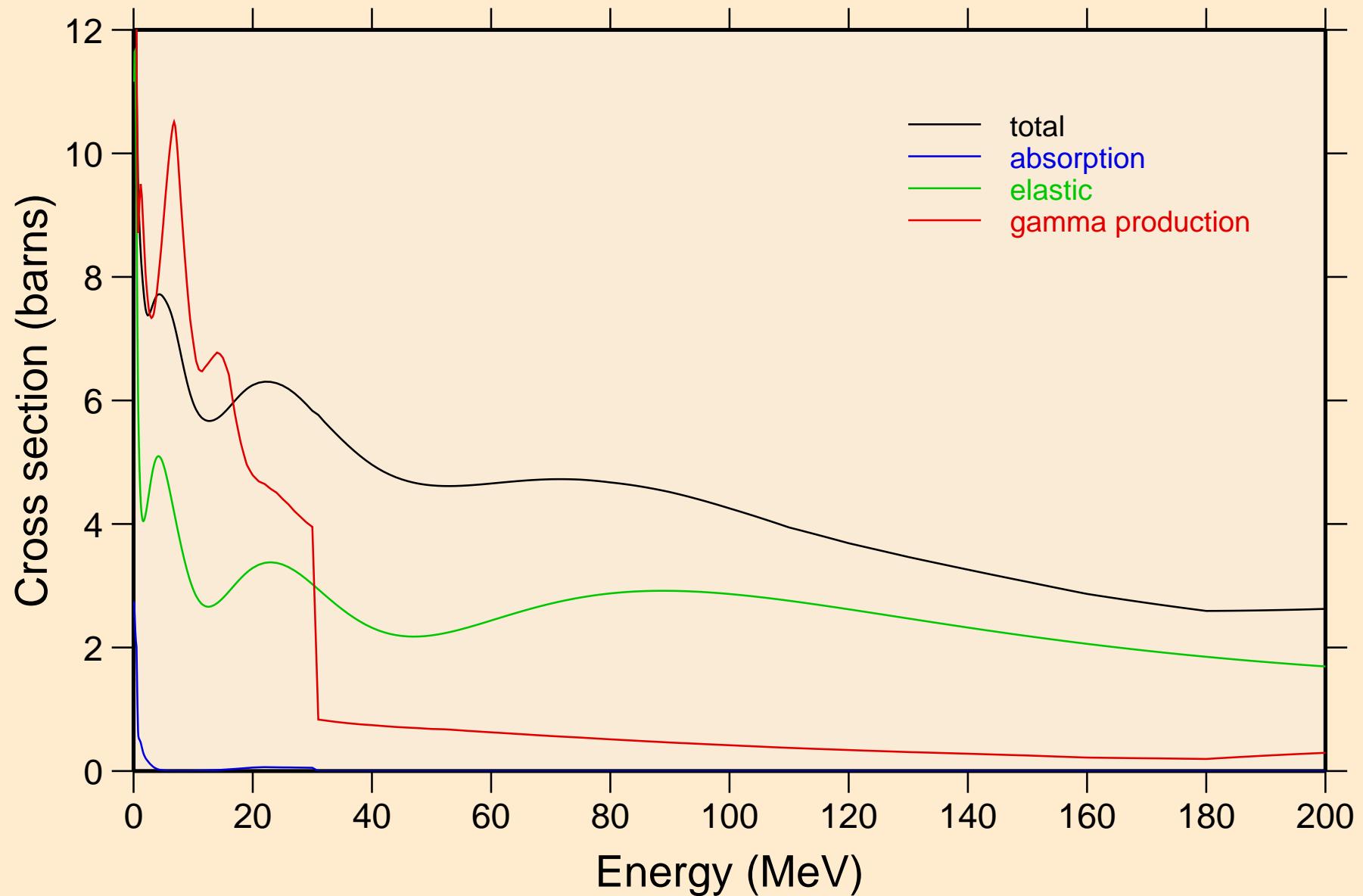


FM247 NRG TENDL-2015, AKONING  
Non-threshold reactions



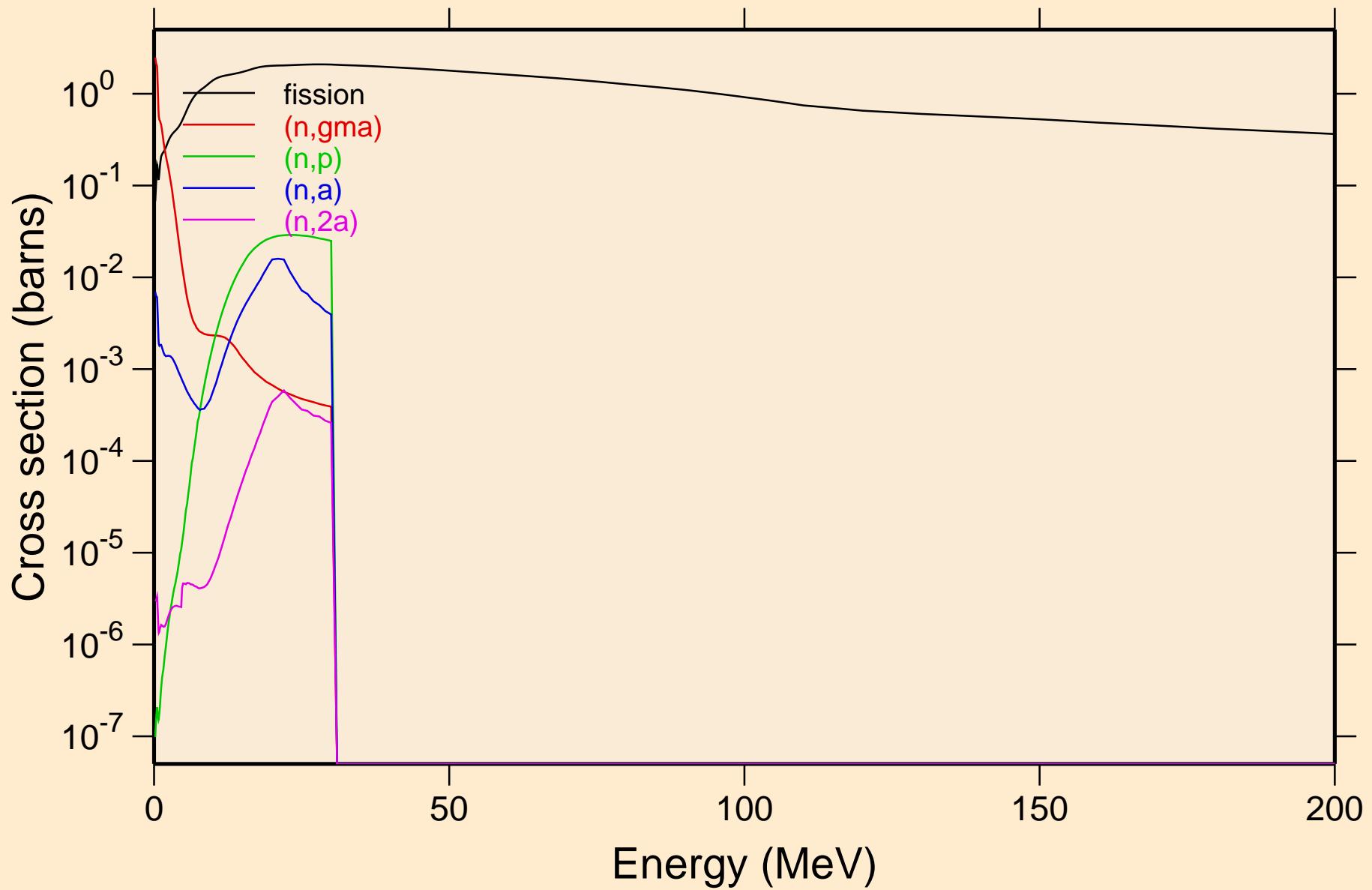
# FM247 NRG TENDL-2015, AKONING

## Principal cross sections

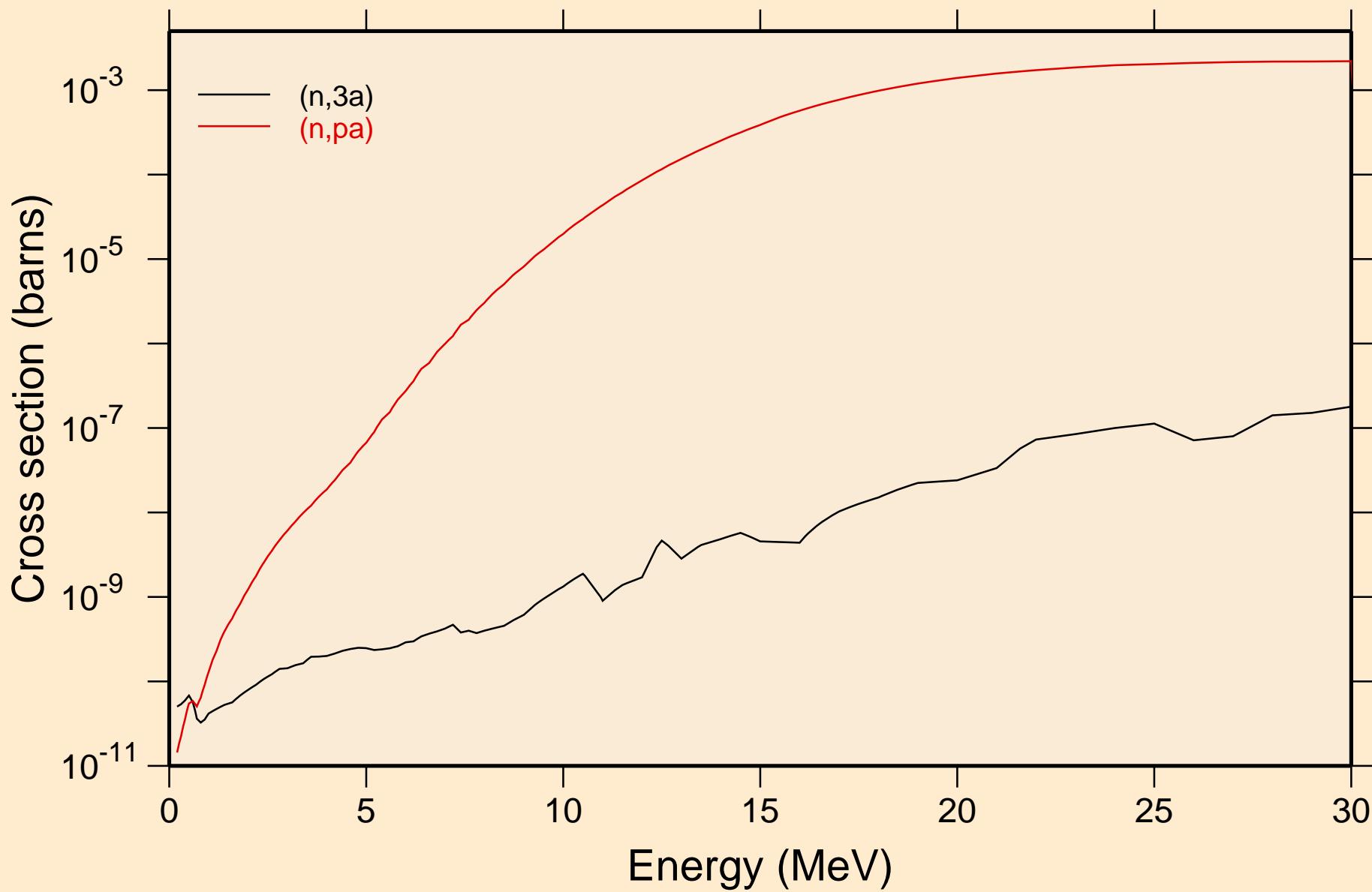


# FM247 NRG TENDL-2015, AKONING

## Non-threshold reactions

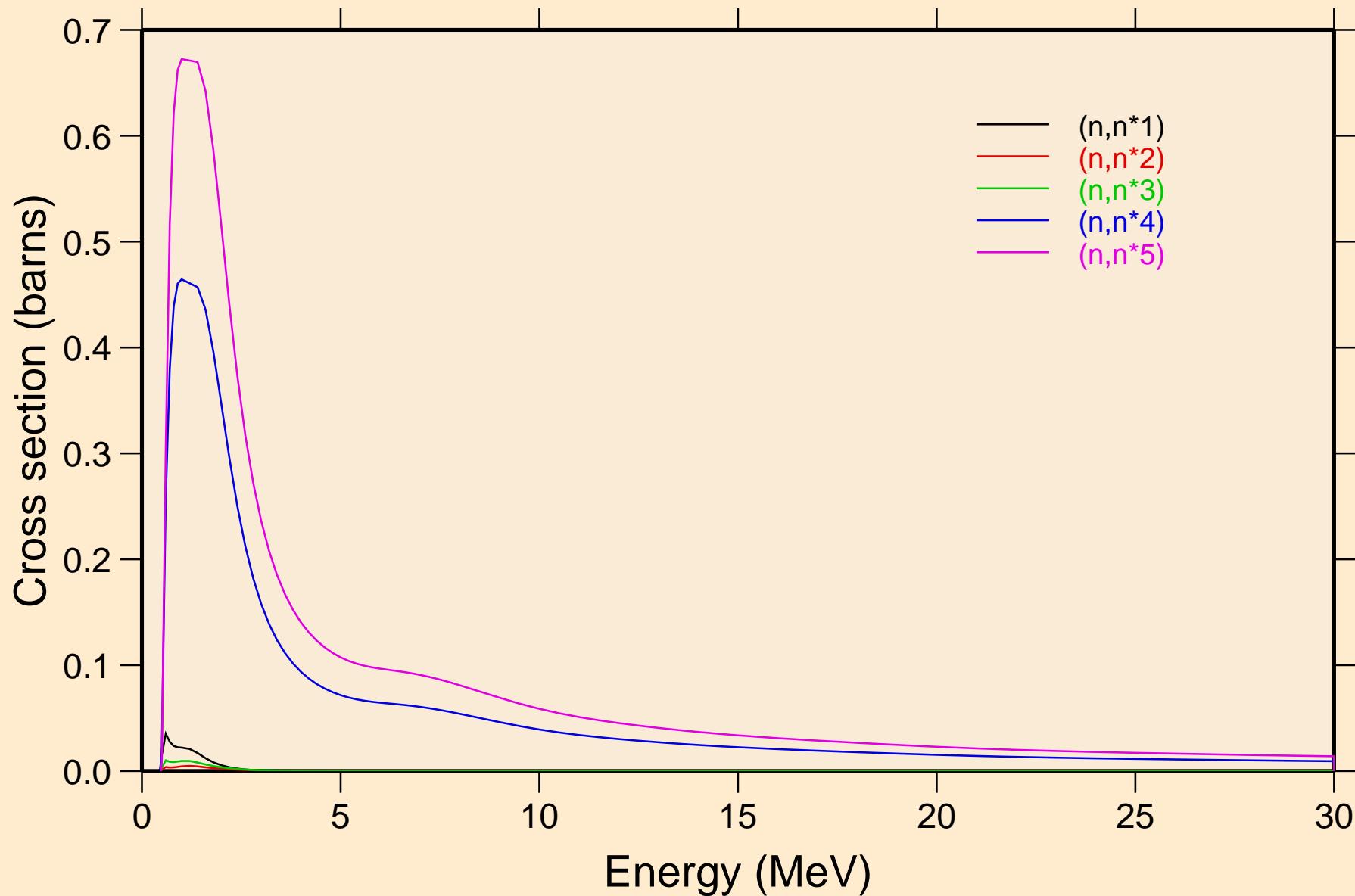


FM247 NRG TENDL-2015, AKONING  
Non-threshold reactions



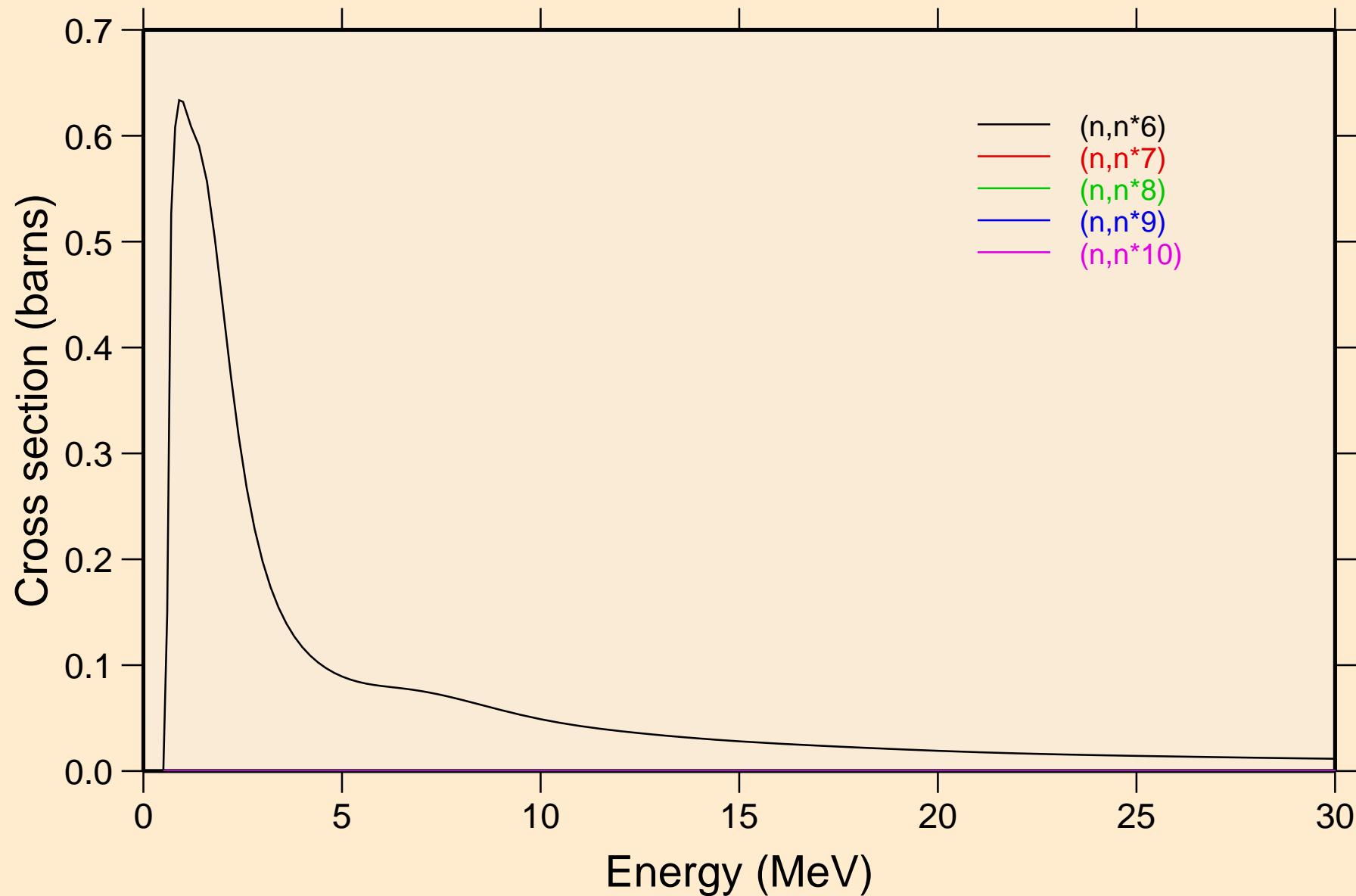
# FM247 NRG TENDL-2015, AKONING

## Inelastic levels



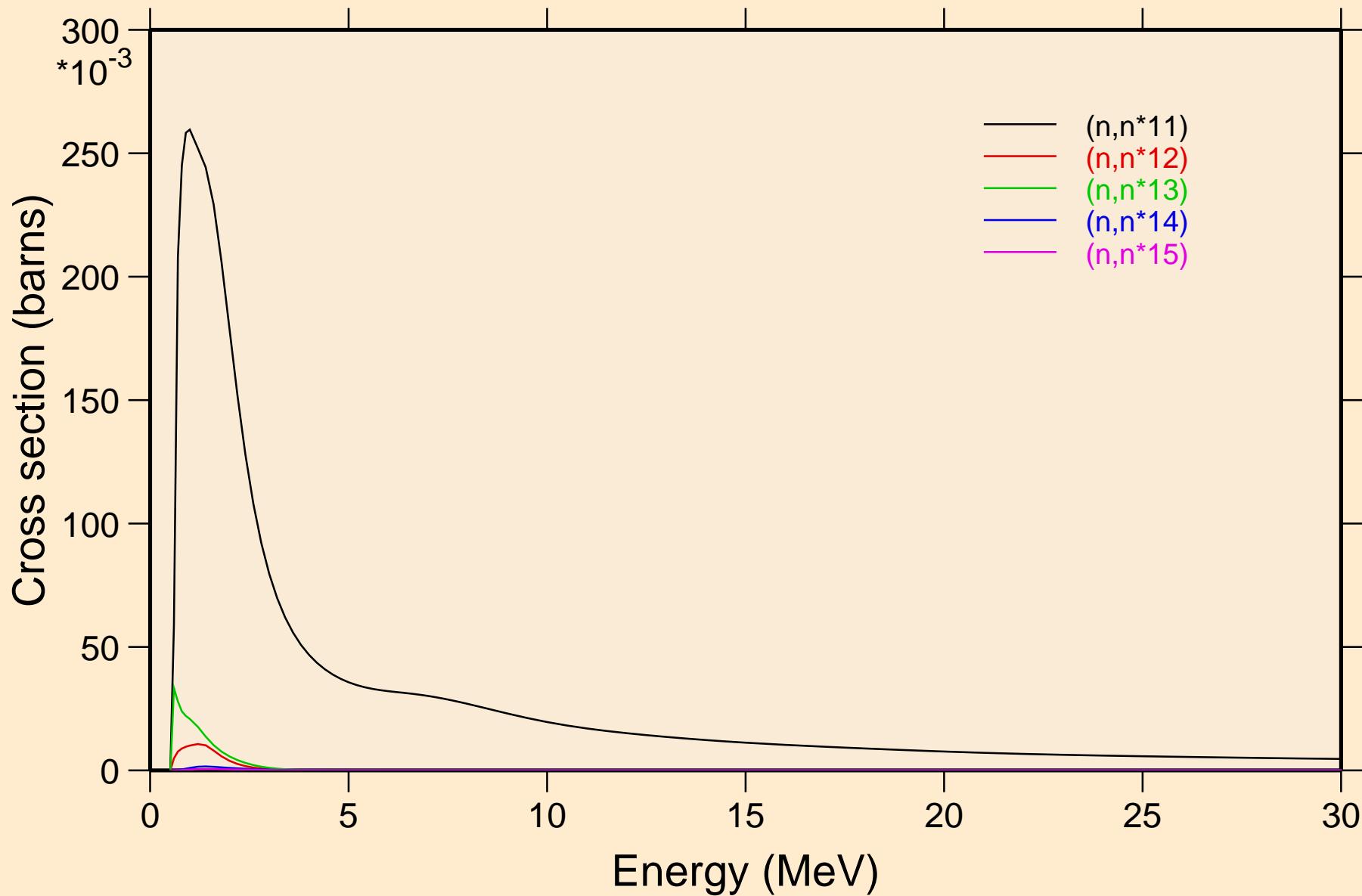
# FM247 NRG TENDL-2015, AKONING

## Inelastic levels



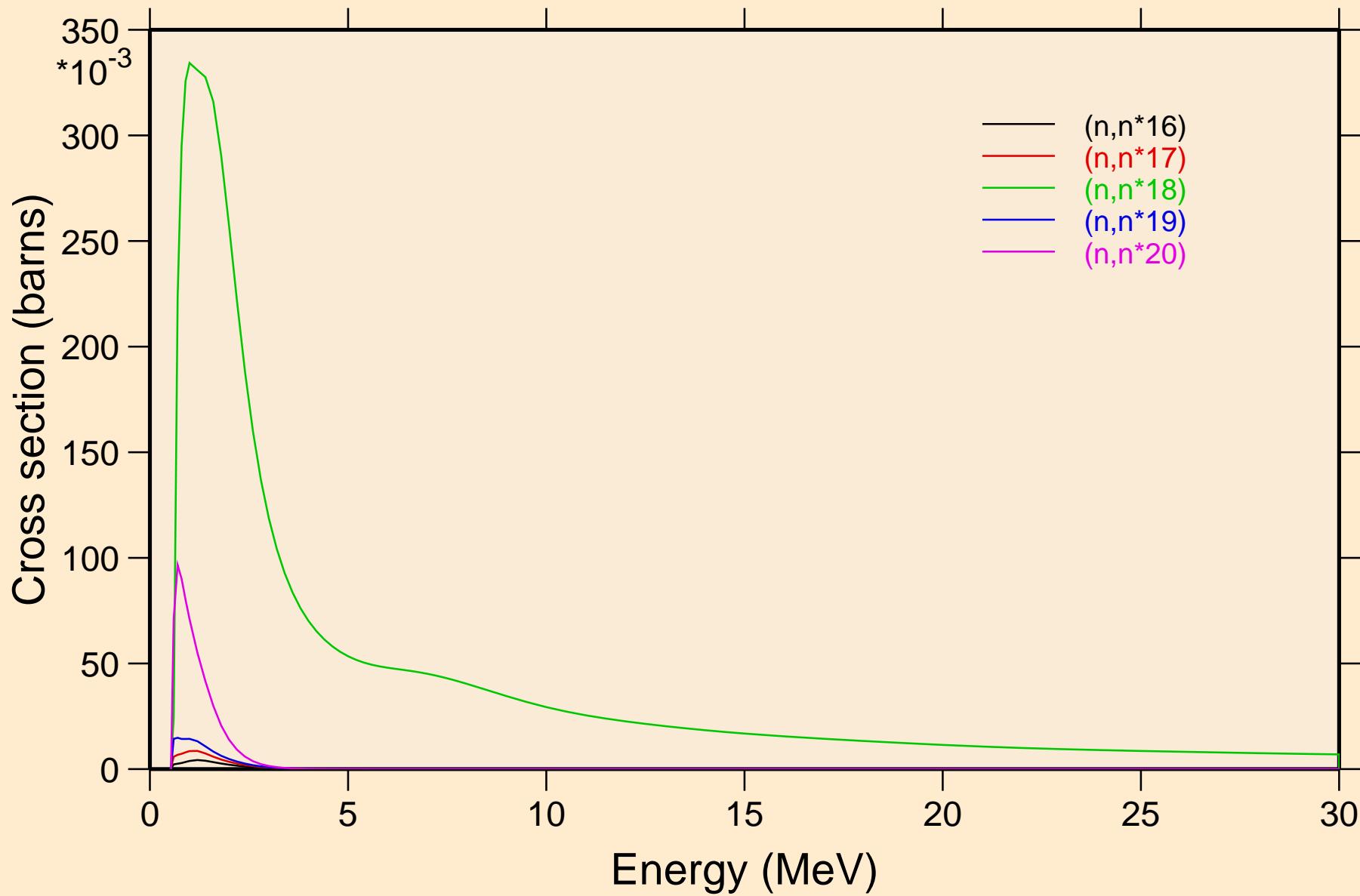
# FM247 NRG TENDL-2015, AKONING

## Inelastic levels



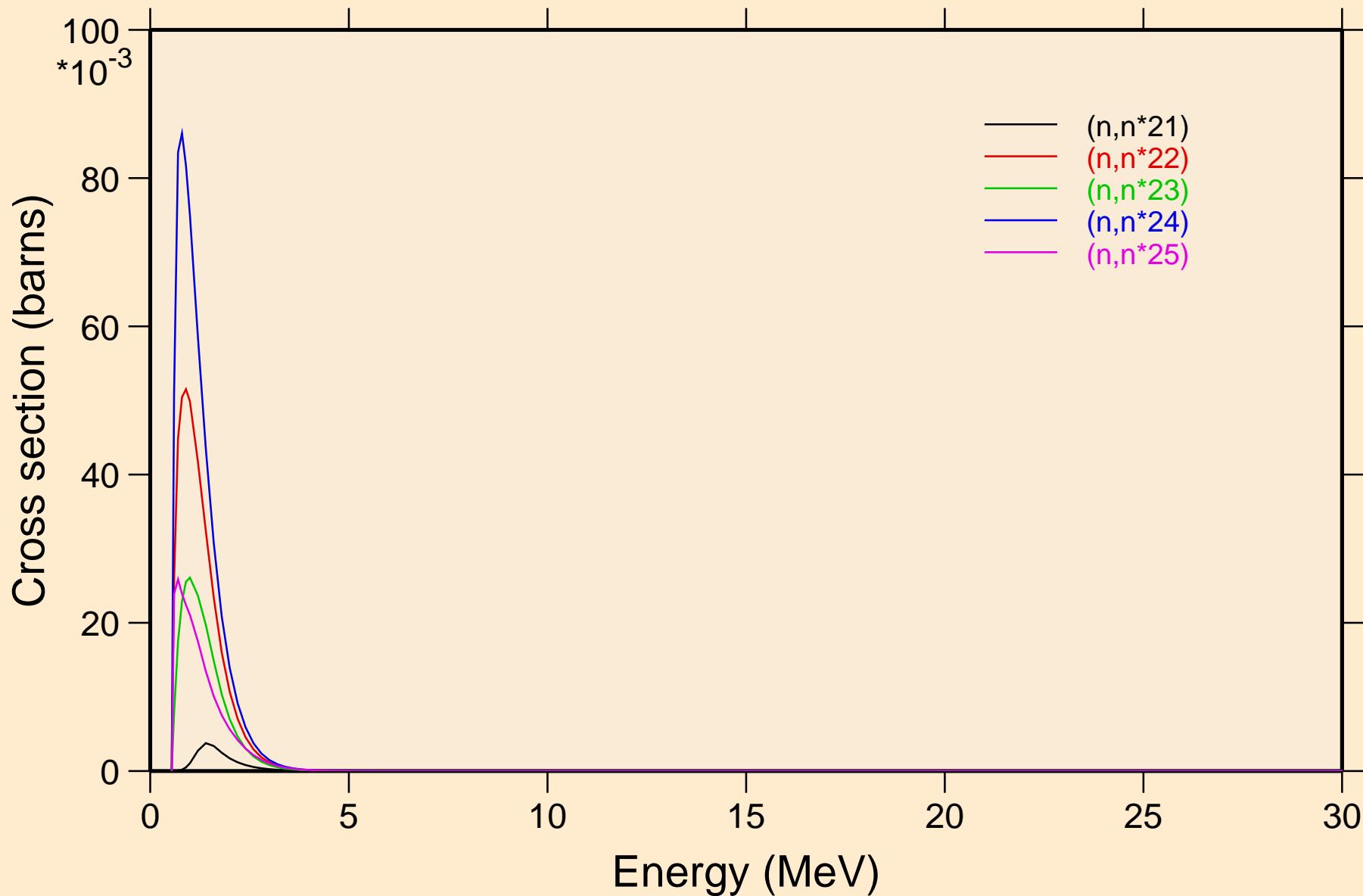
# FM247 NRG TENDL-2015, AKONING

## Inelastic levels

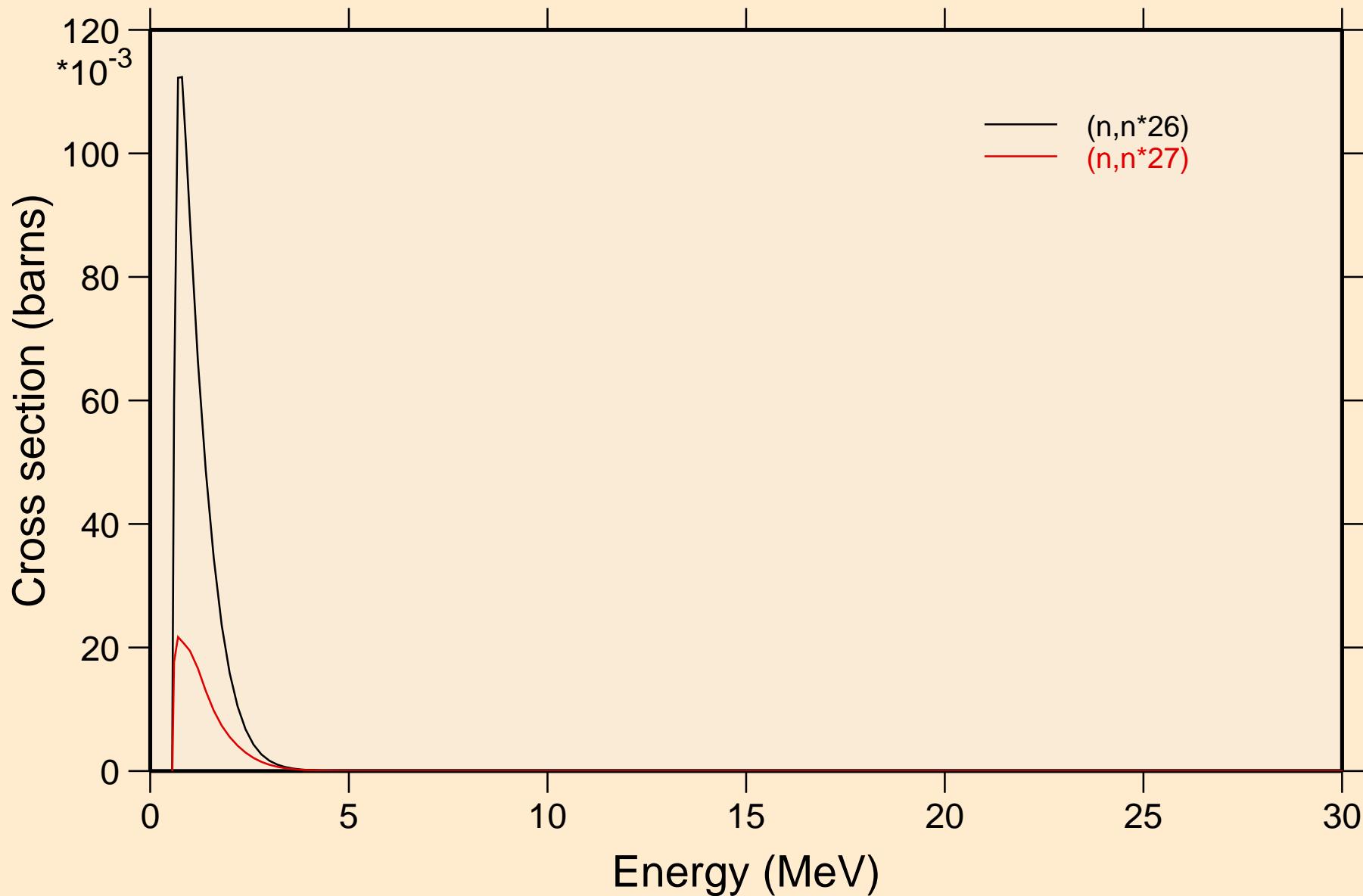


# FM247 NRG TENDL-2015, AKONING

## Inelastic levels

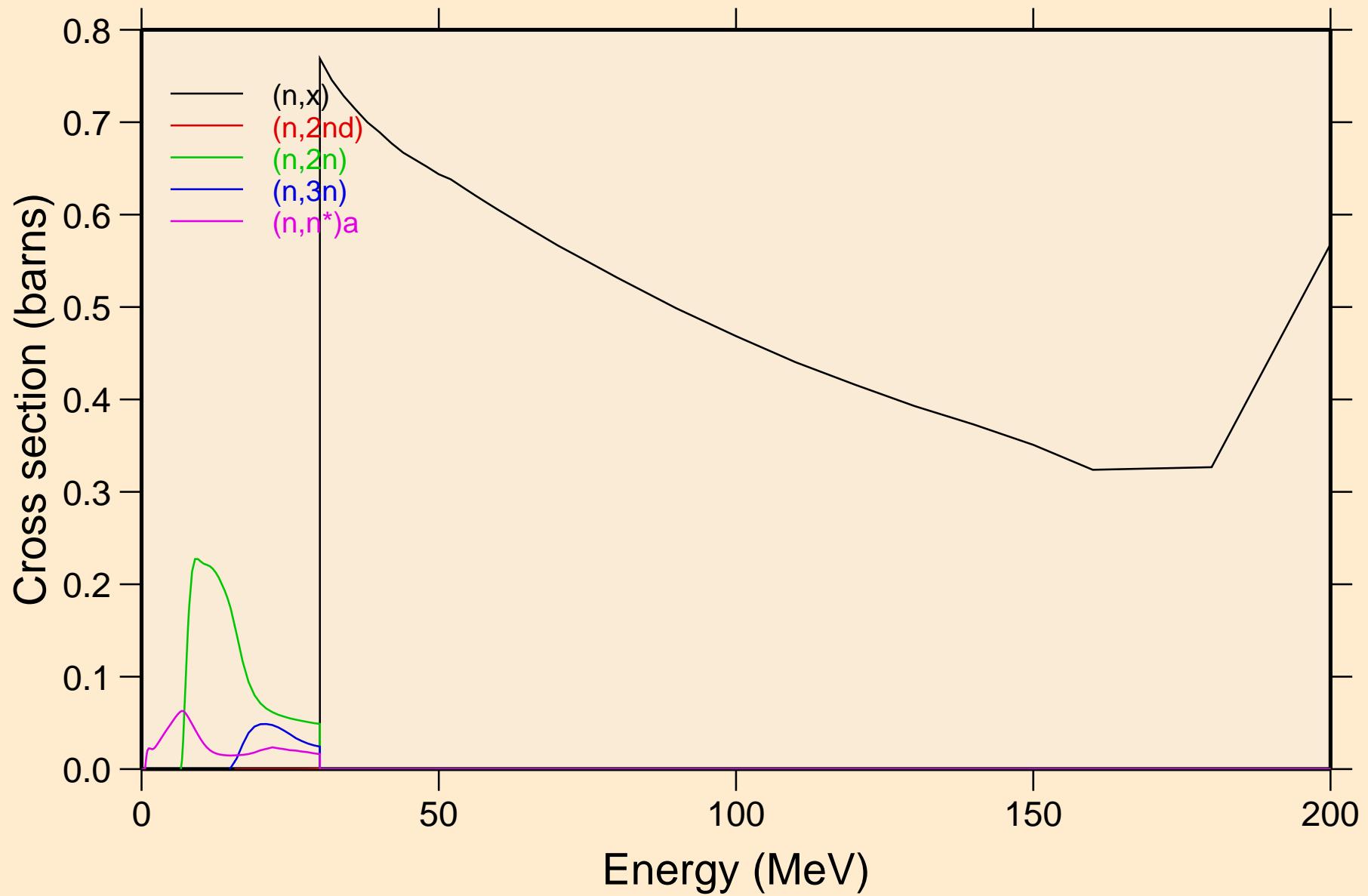


FM247 NRG TENDL-2015, AKONING  
Inelastic levels



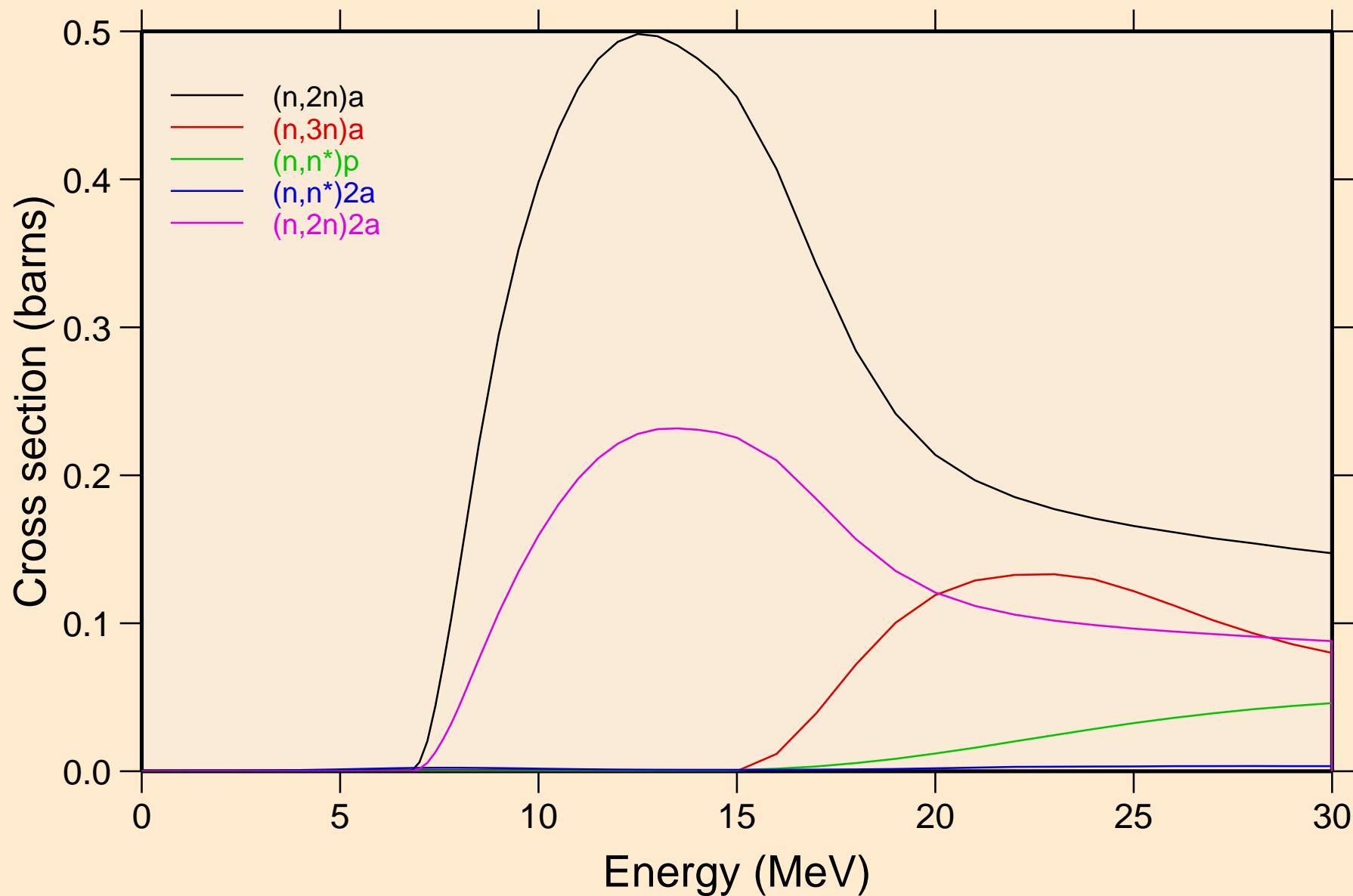
# FM247 NRG TENDL-2015, AKONING

## Threshold reactions



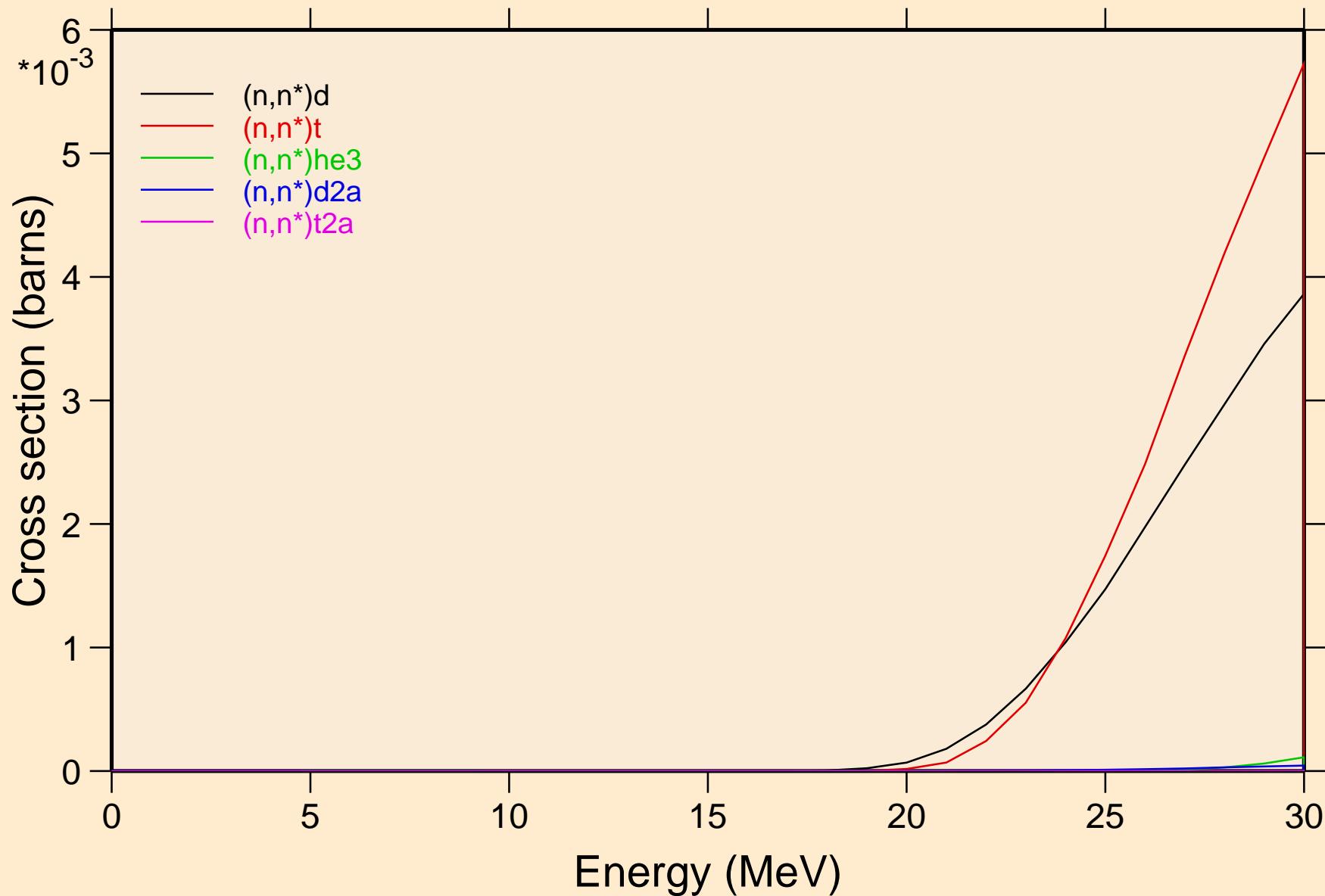
# FM247 NRG TENDL-2015, AKONING

## Threshold reactions



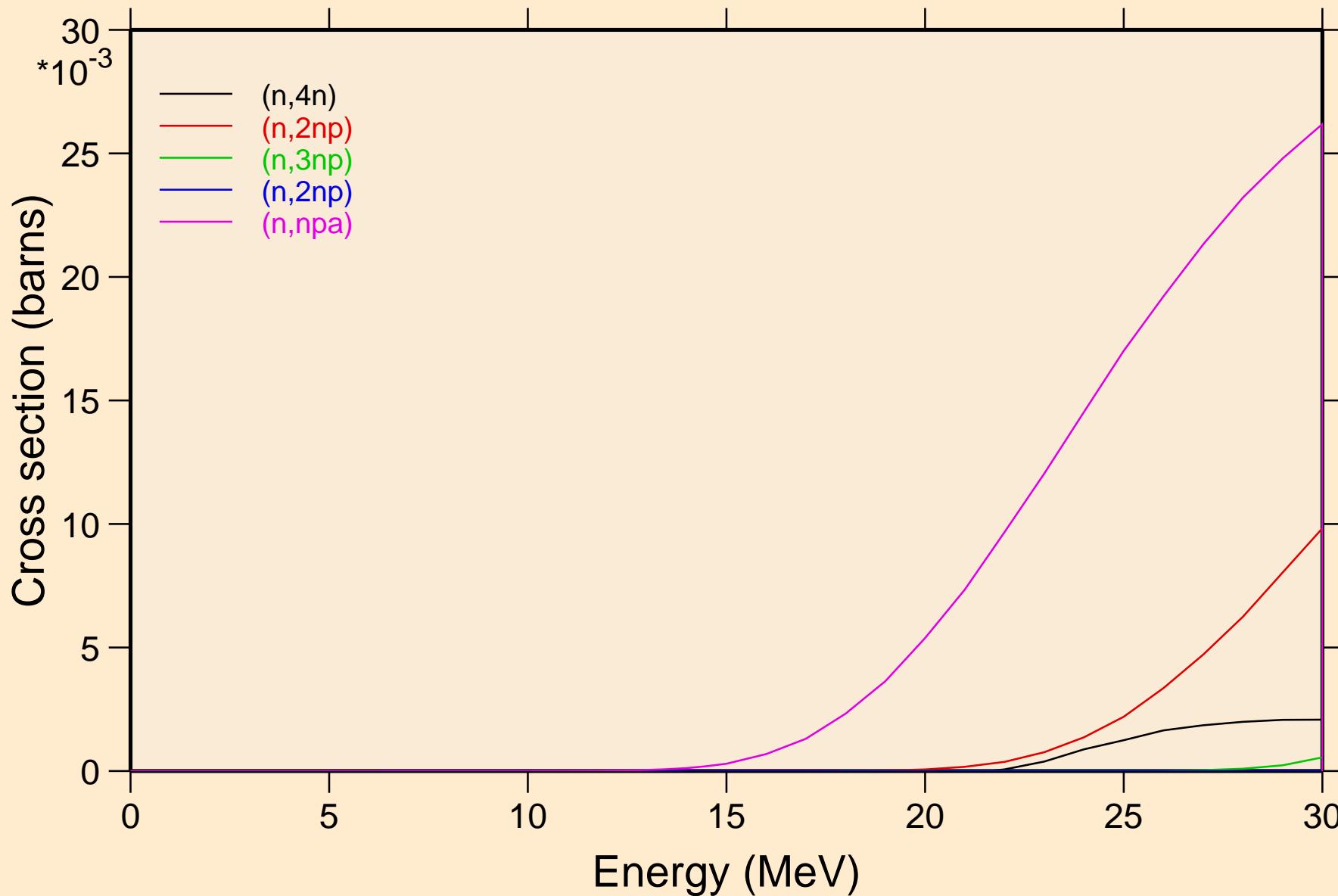
# FM247 NRG TENDL-2015, AKONING

## Threshold reactions



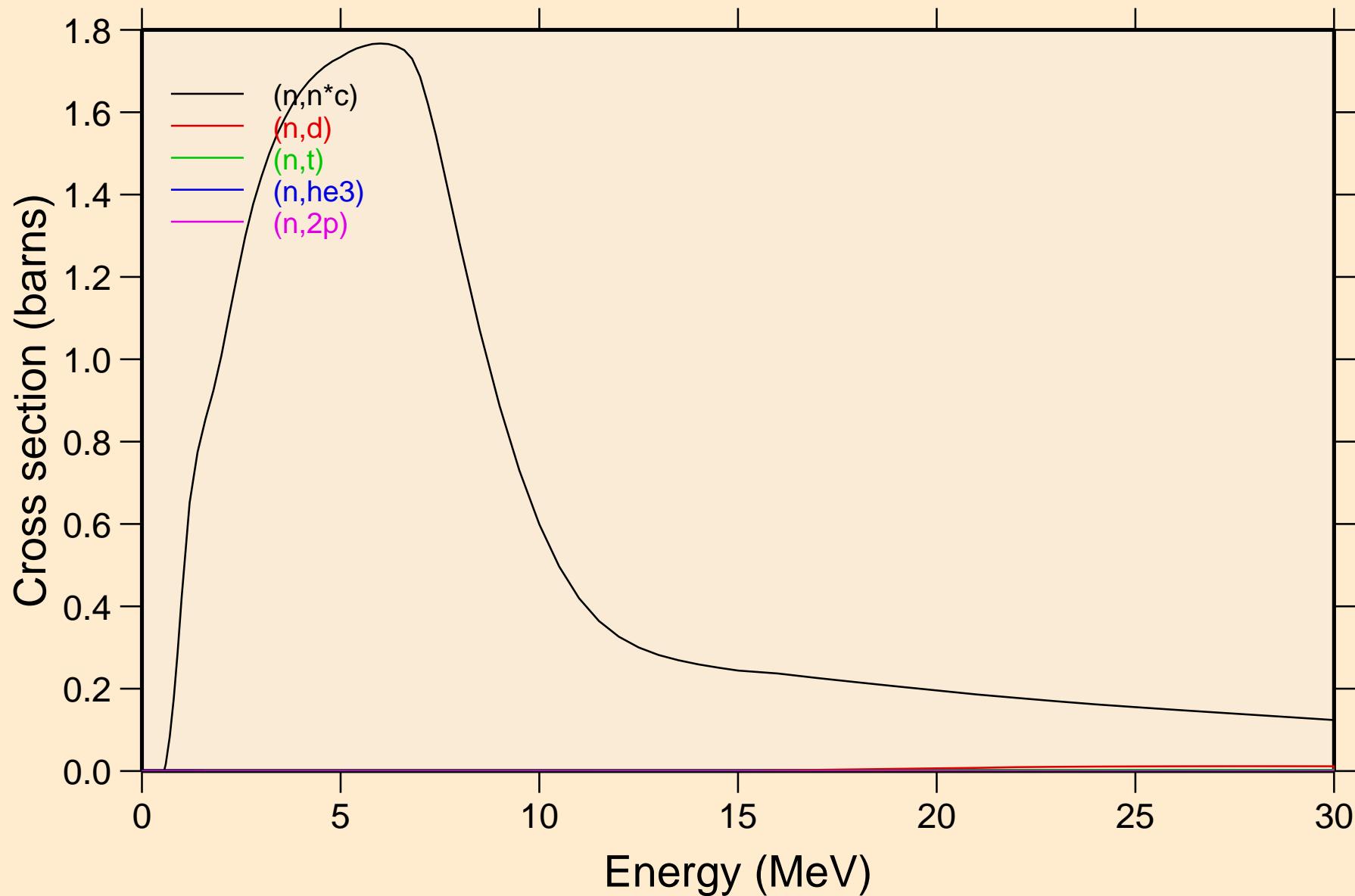
# FM247 NRG TENDL-2015, AKONING

## Threshold reactions



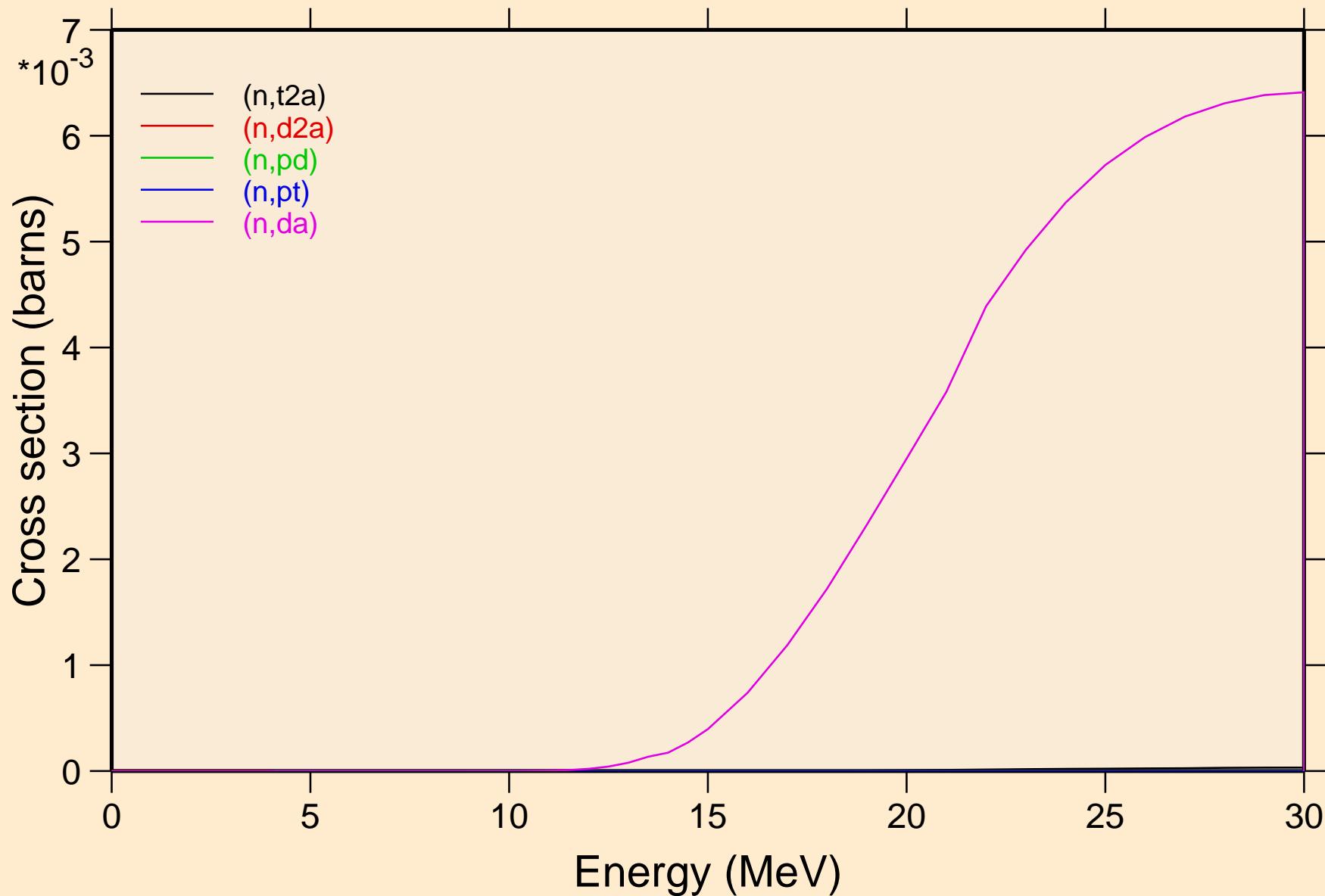
# FM247 NRG TENDL-2015, AKONING

## Threshold reactions

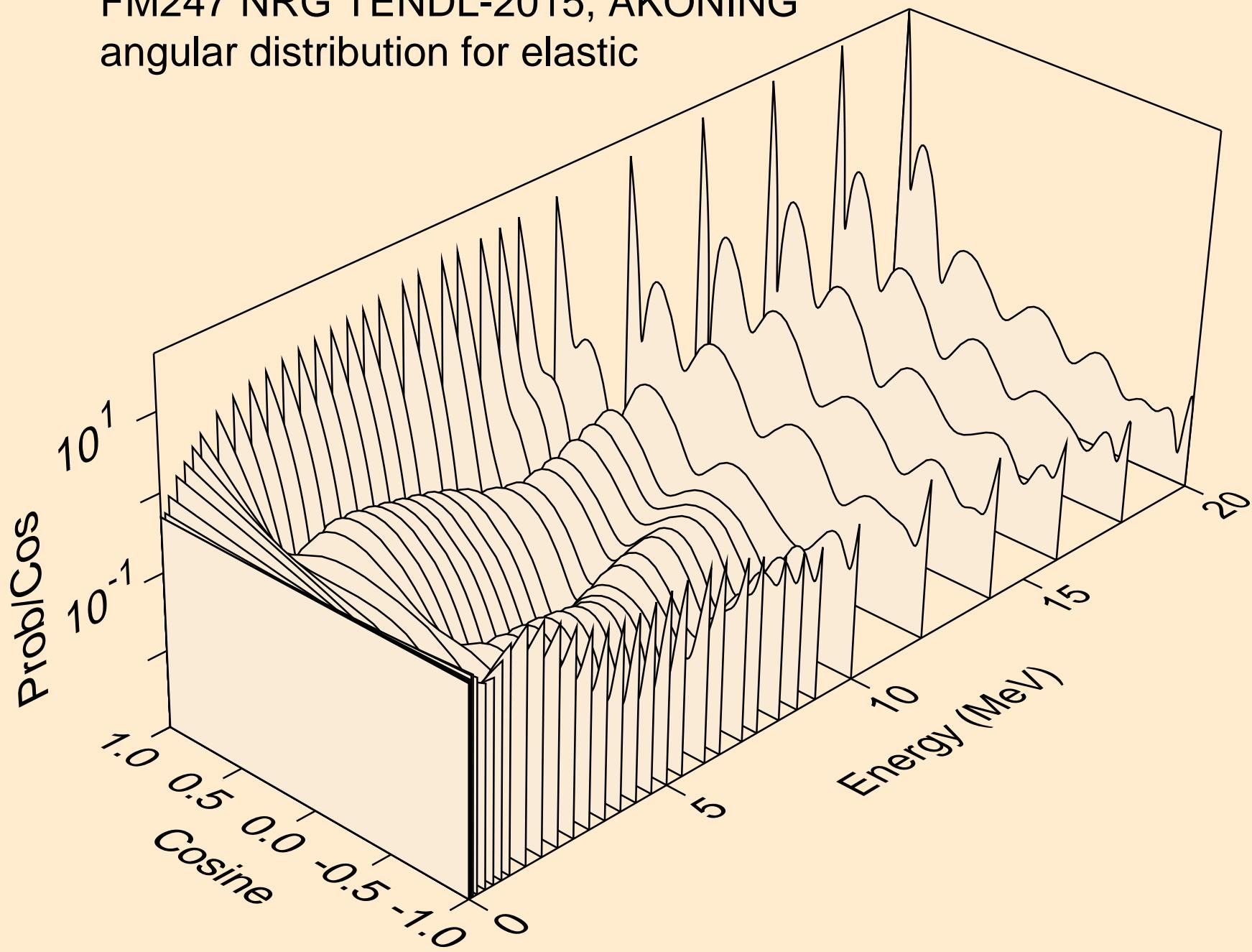


# FM247 NRG TENDL-2015, AKONING

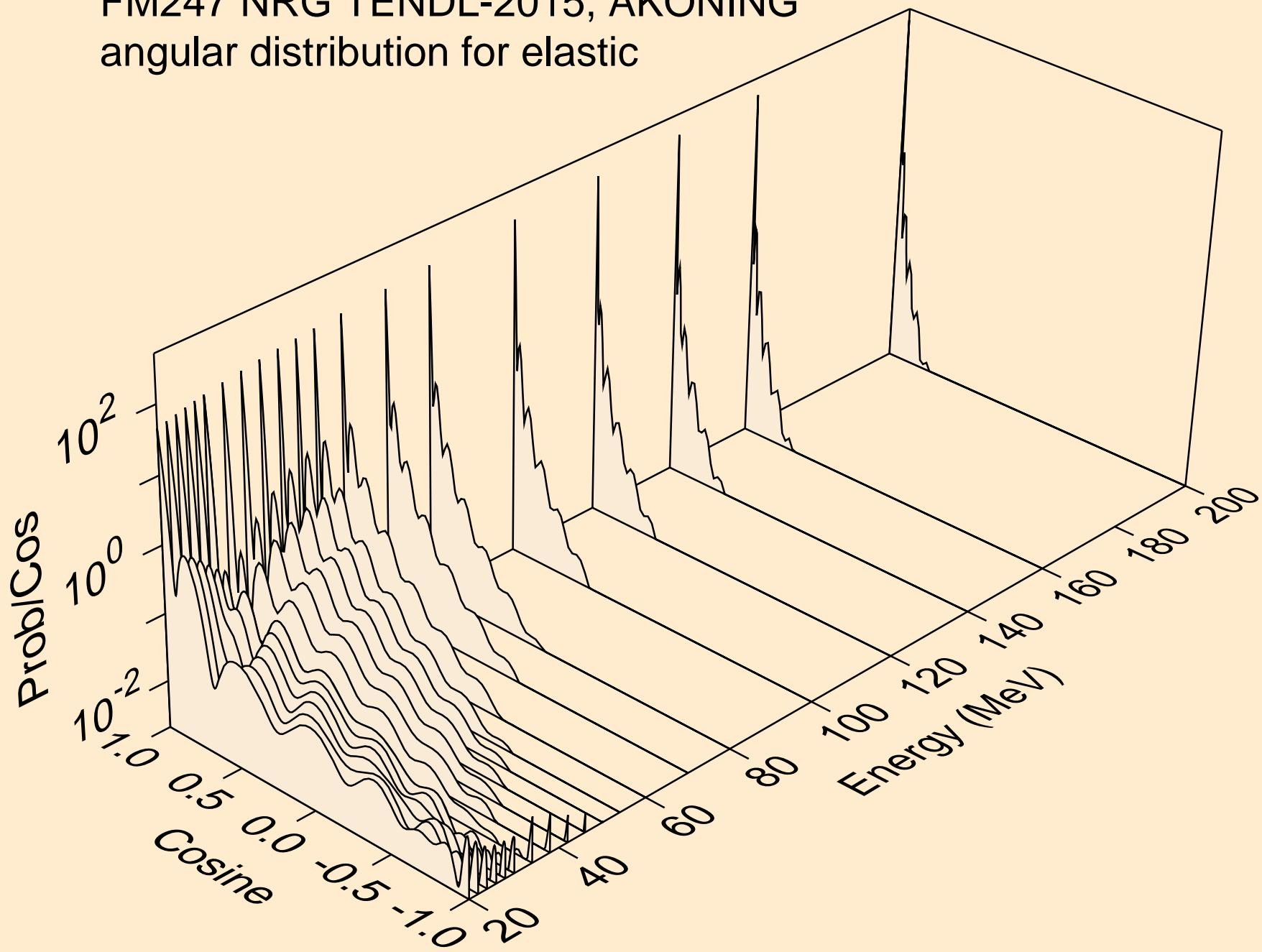
## Threshold reactions



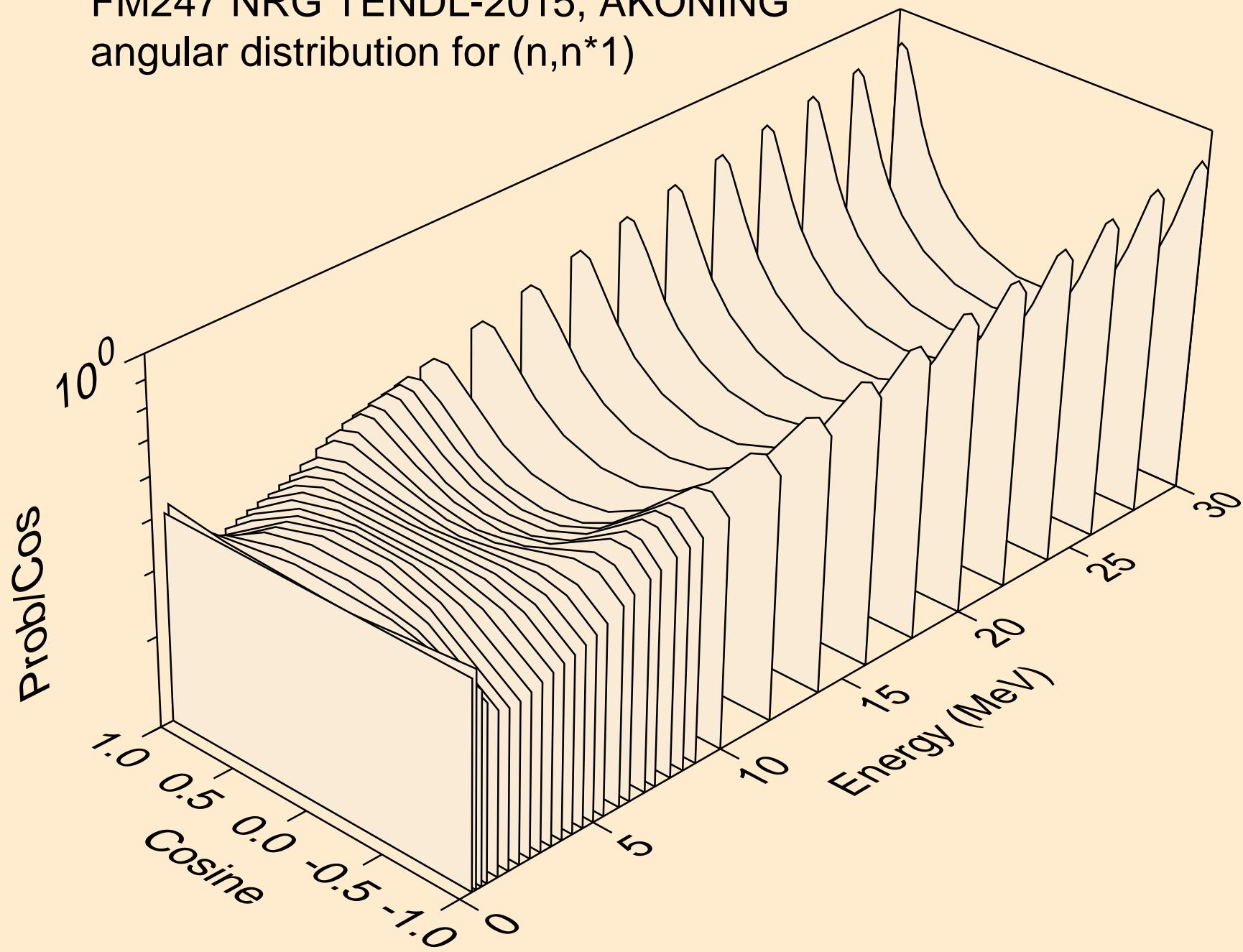
FM247 NRG TENDL-2015, AKONING  
angular distribution for elastic



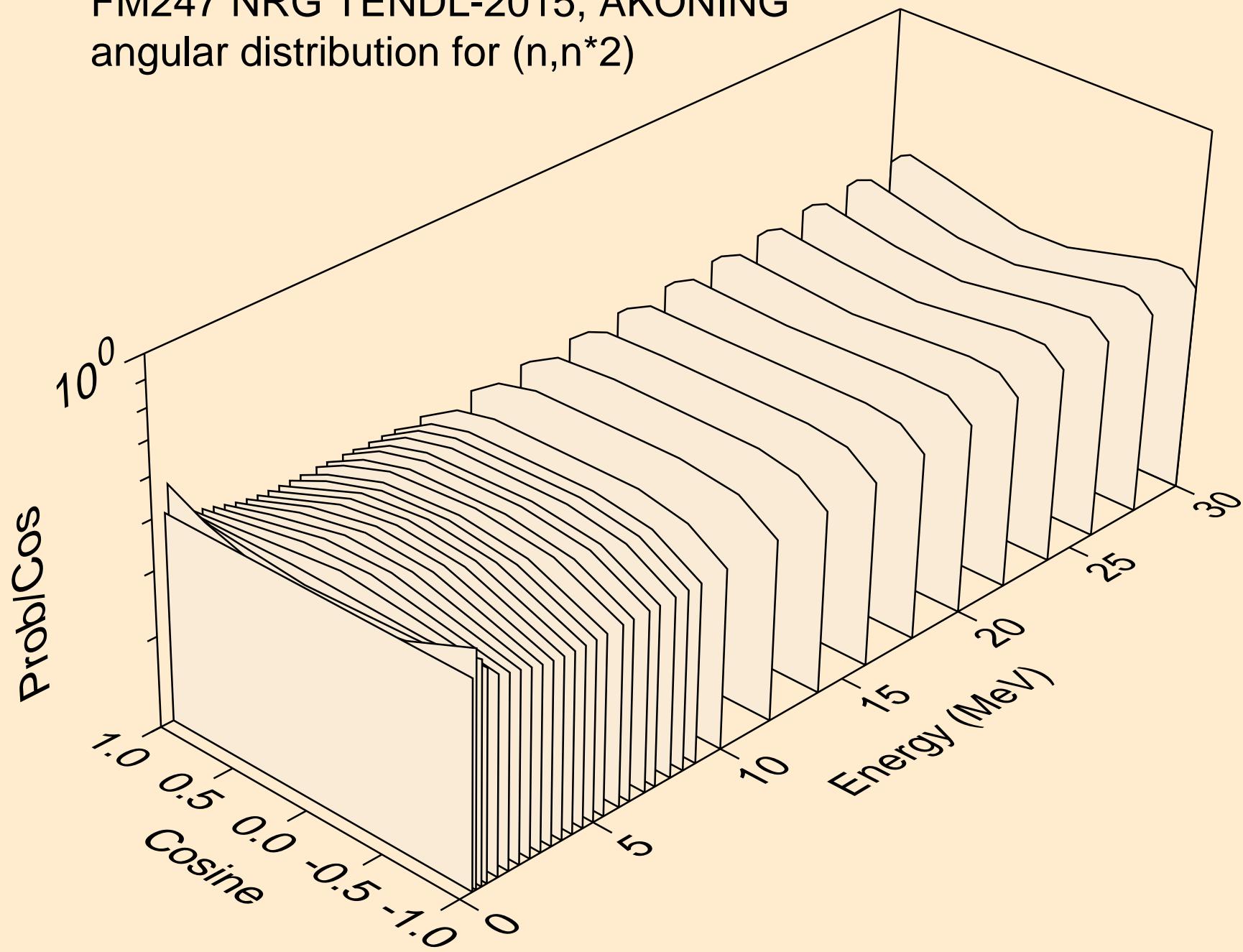
FM247 NRG TENDL-2015, AKONING  
angular distribution for elastic



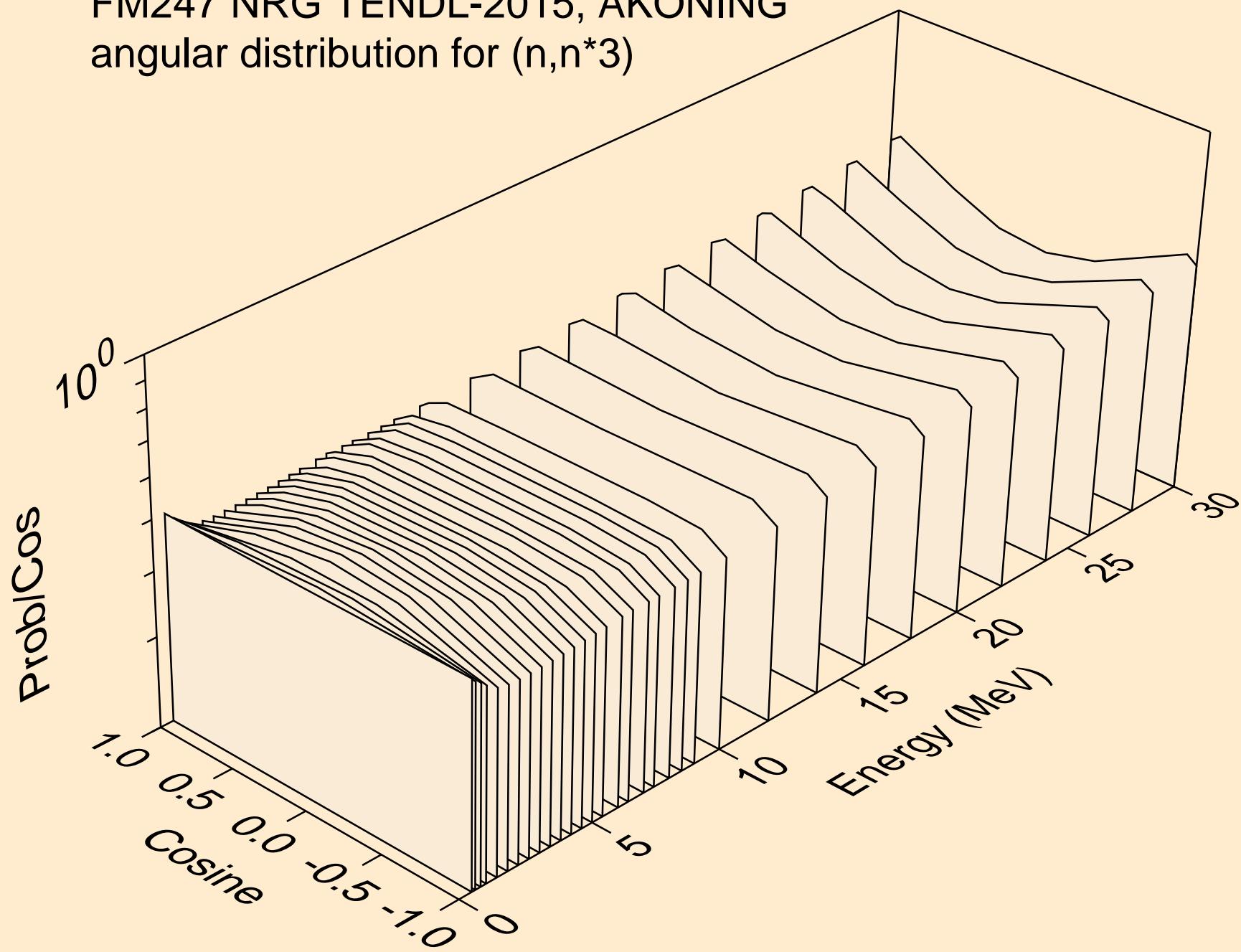
FM247 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



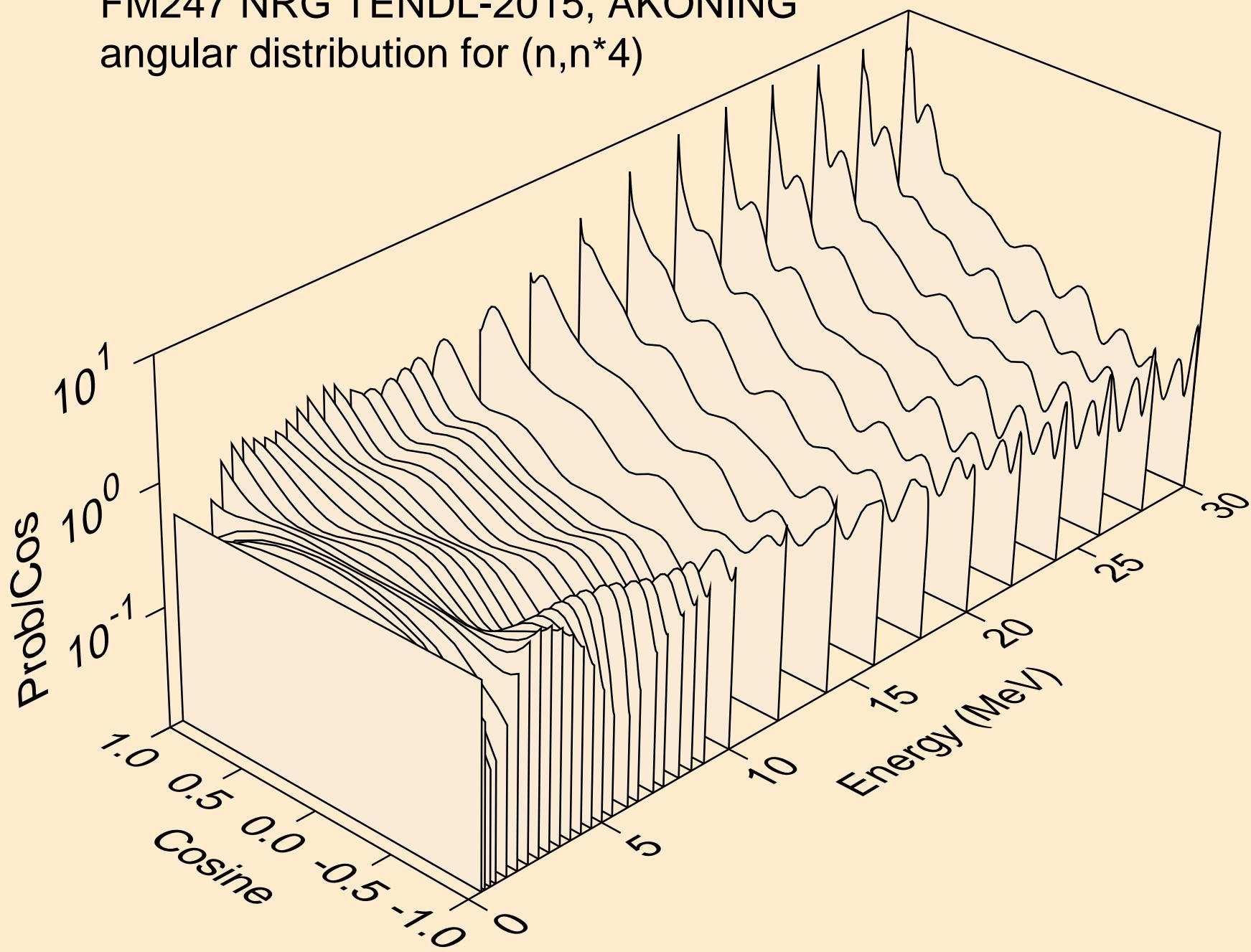
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*2)$



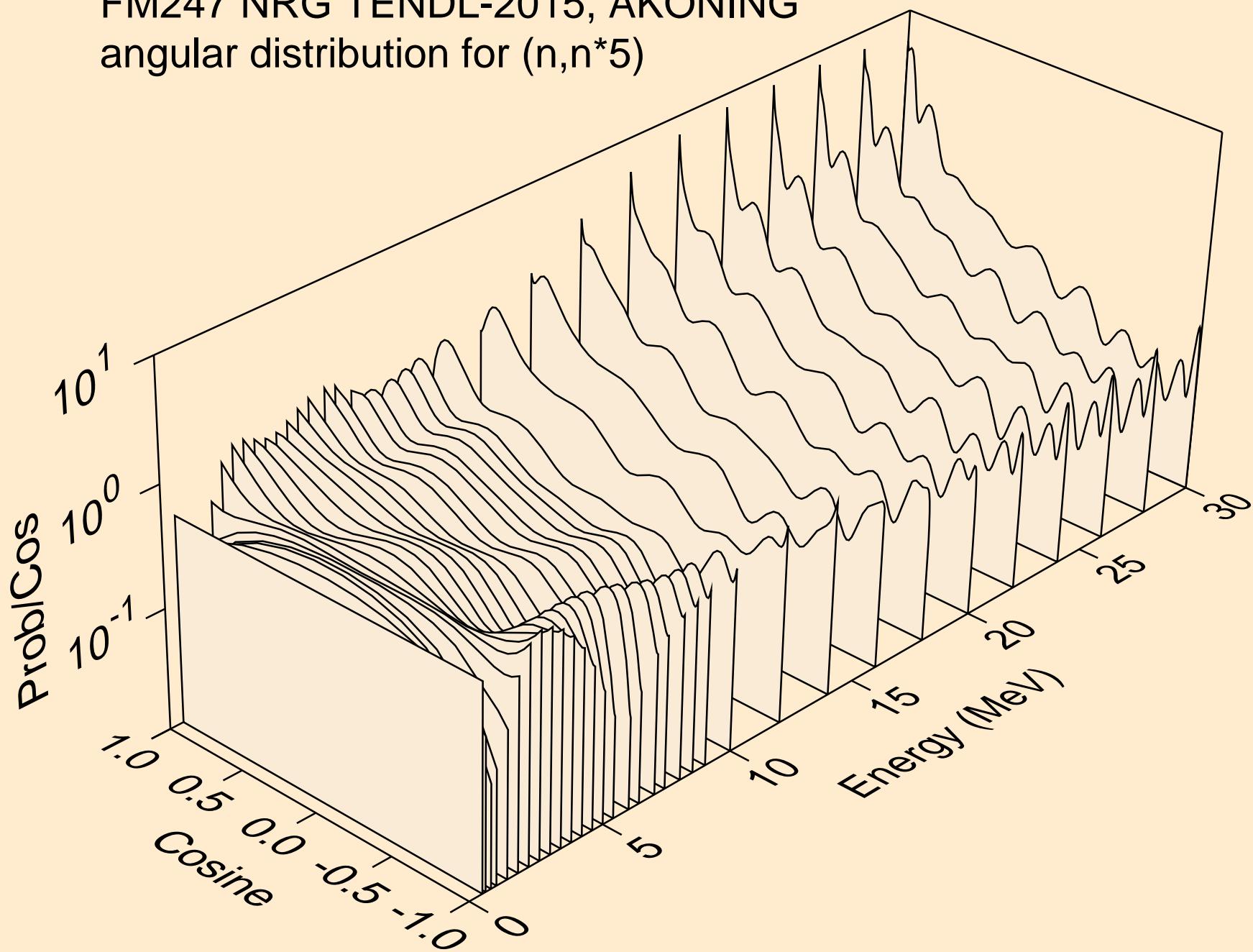
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



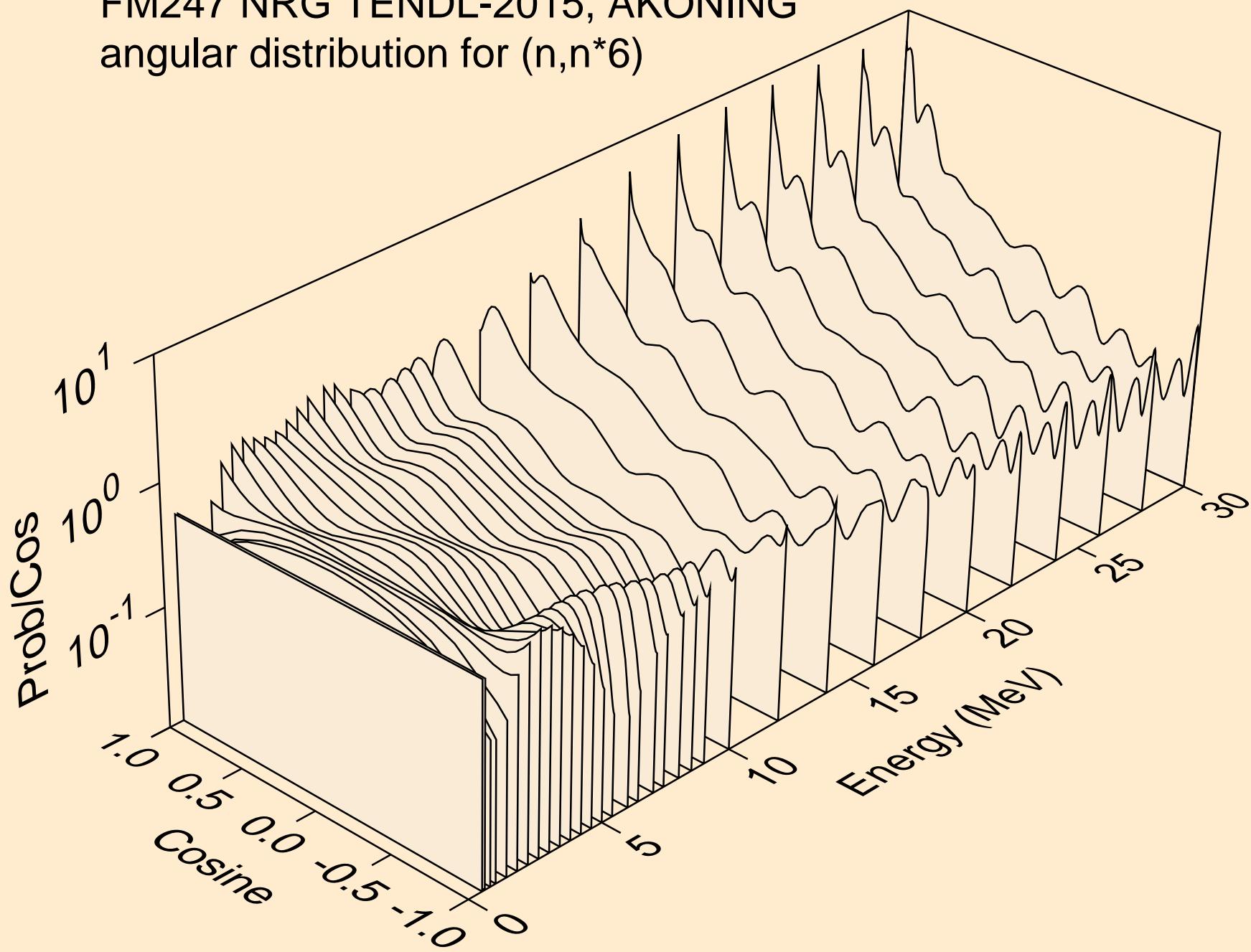
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



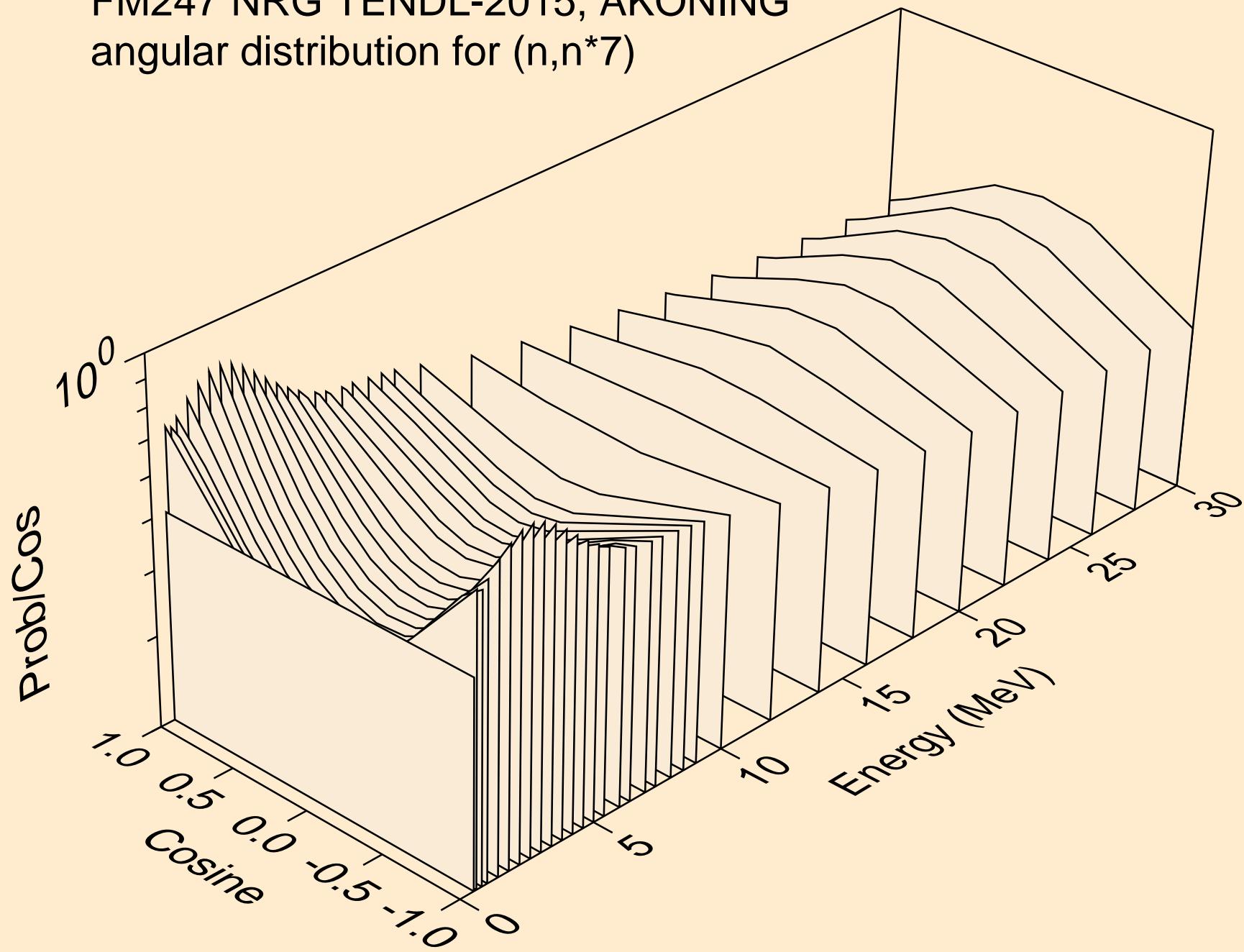
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



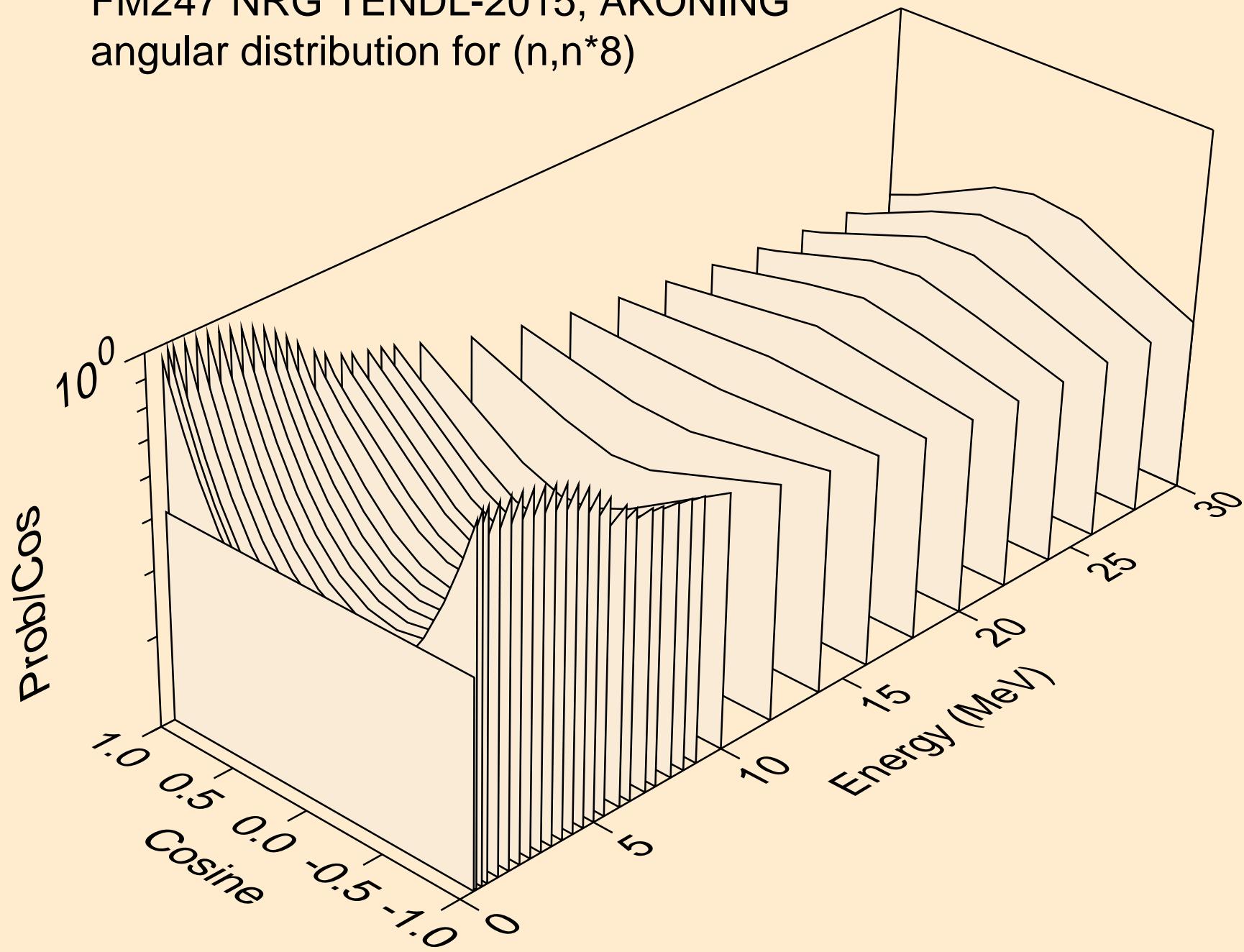
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



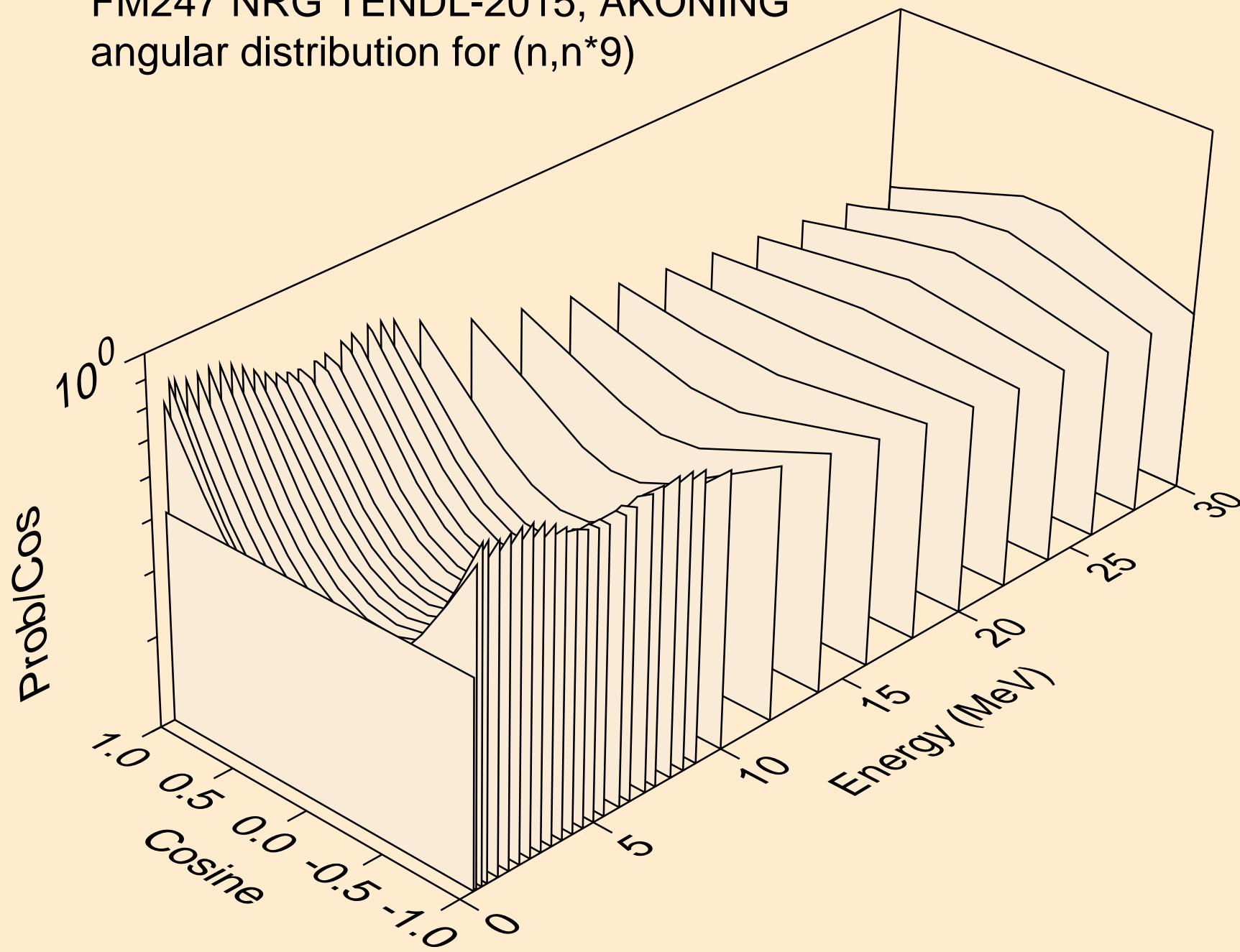
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



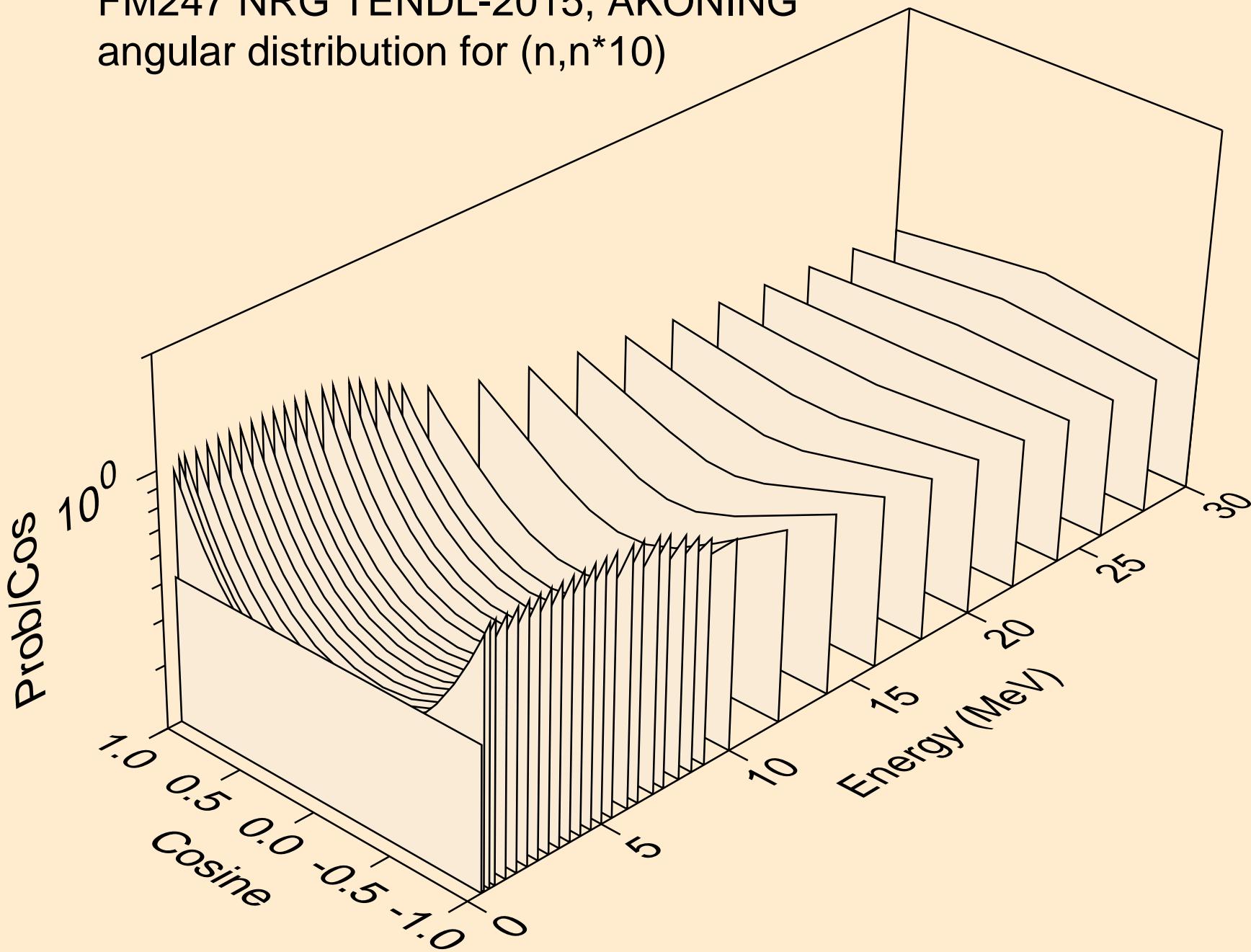
FM247 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



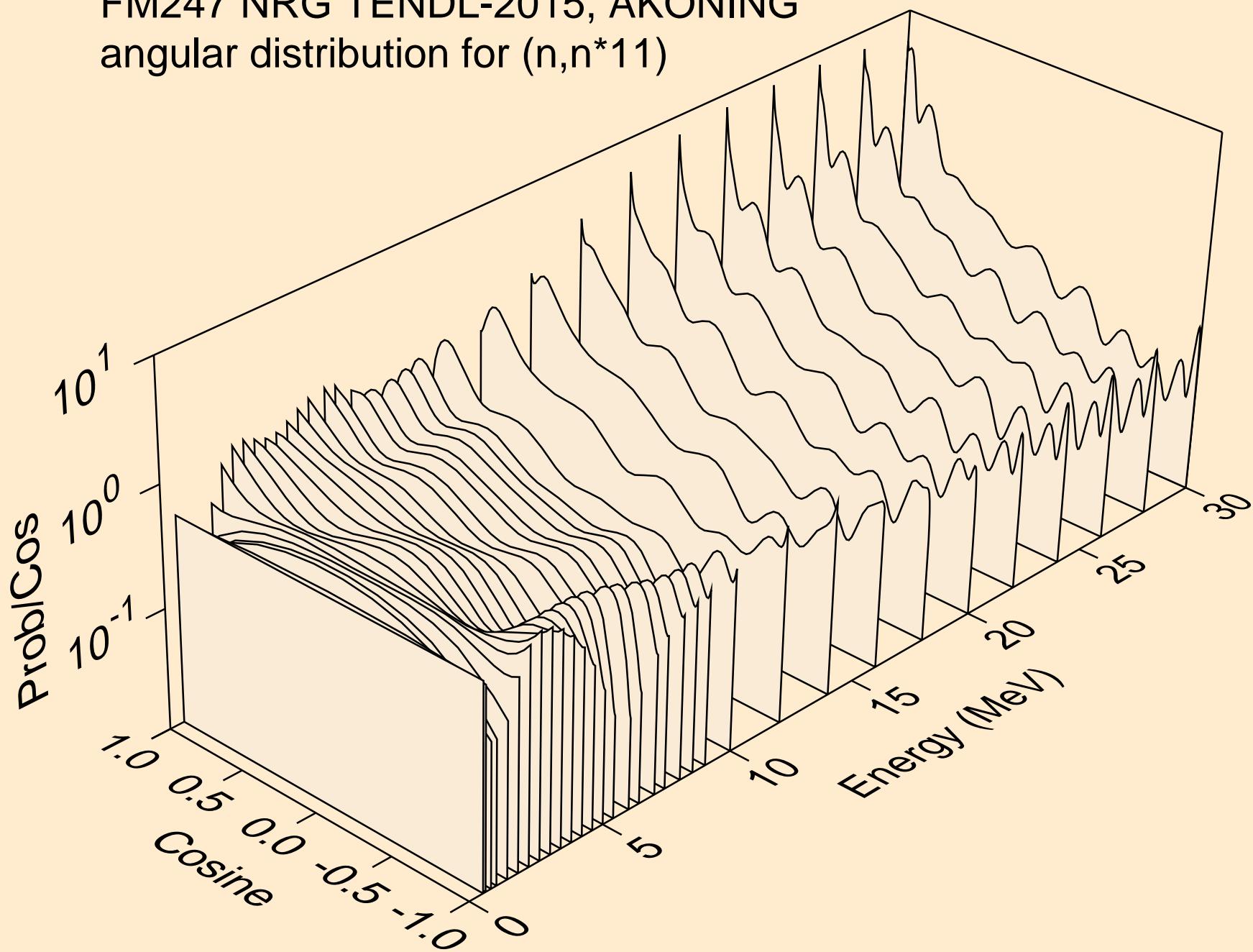
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)9$



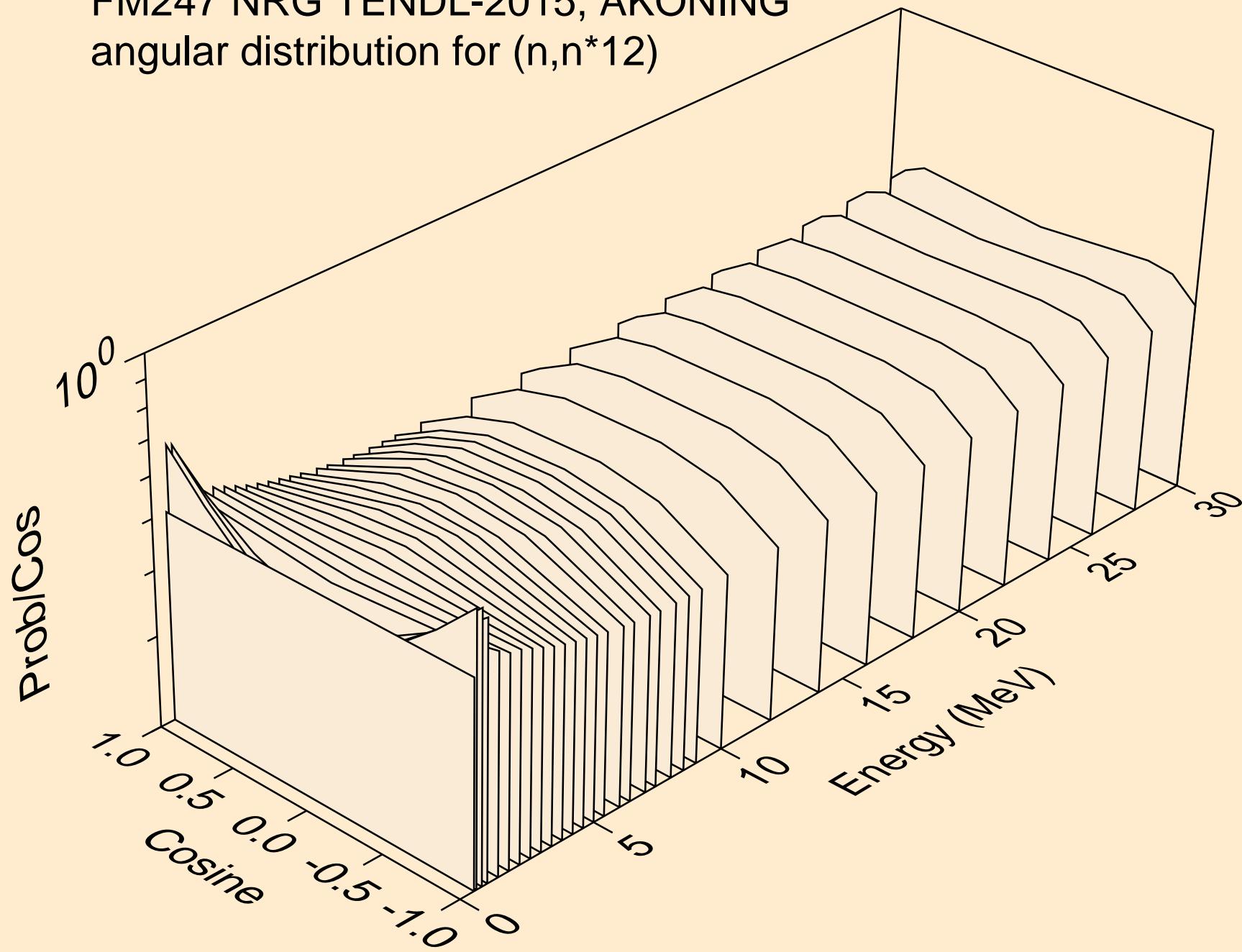
FM247 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



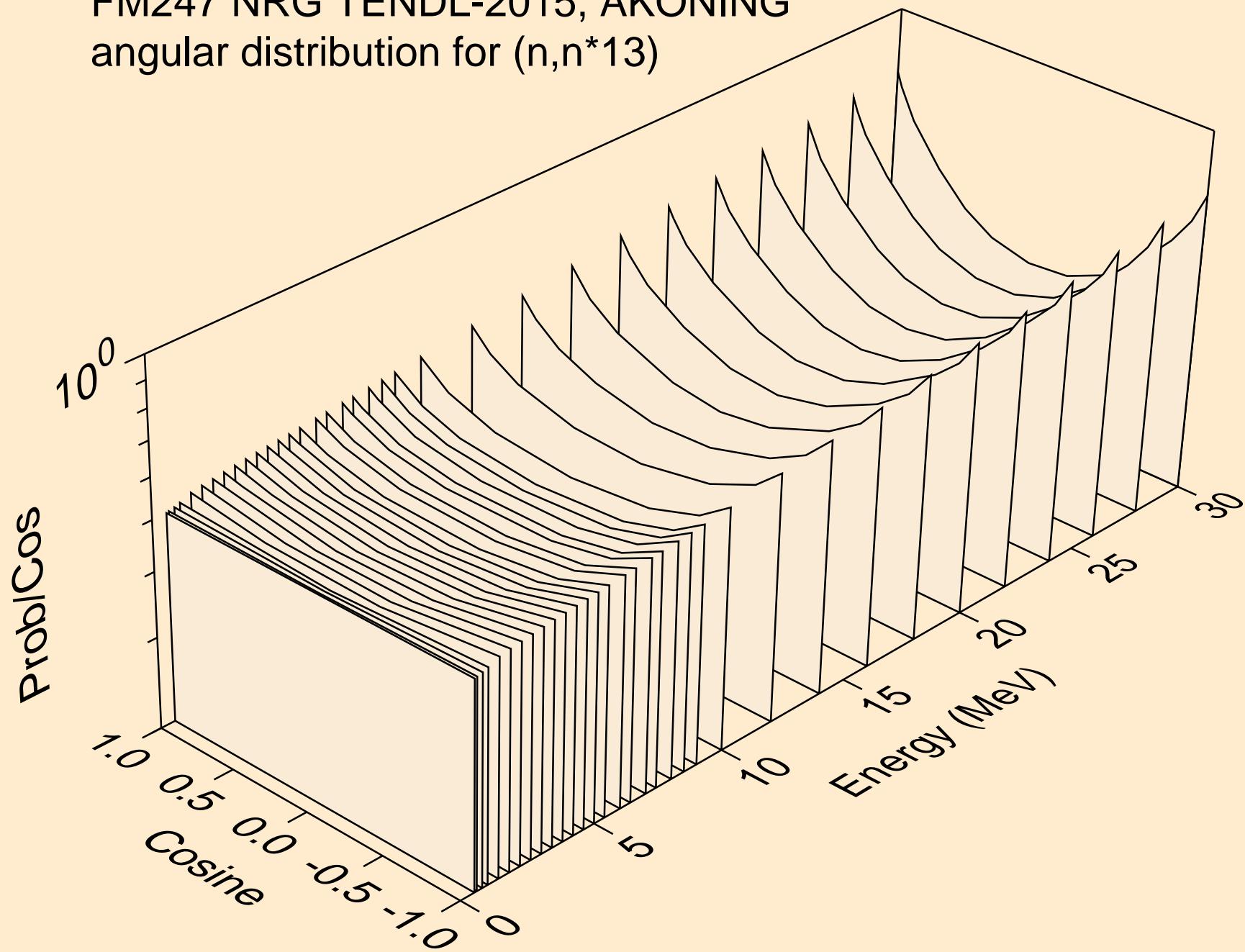
FM247 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



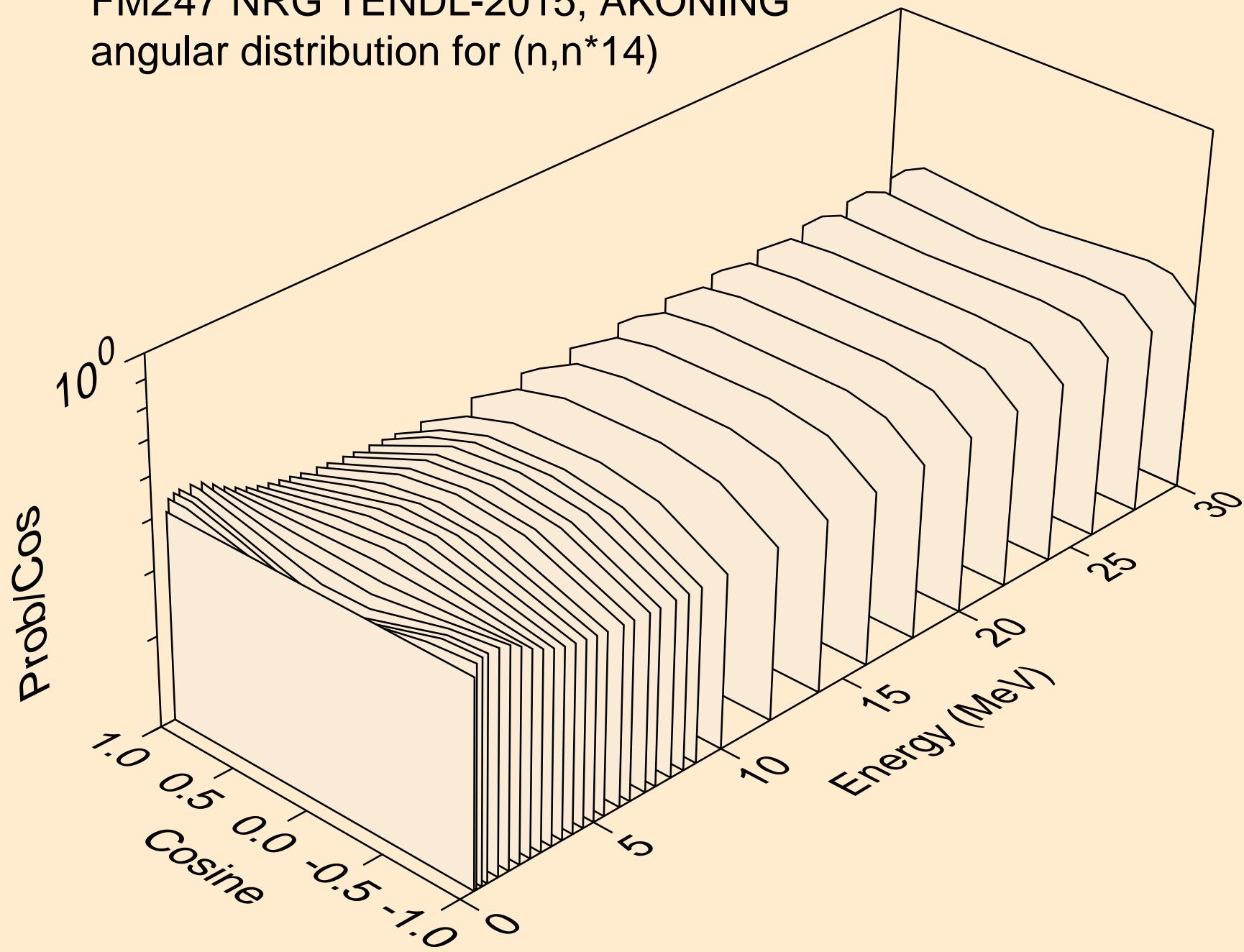
FM247 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



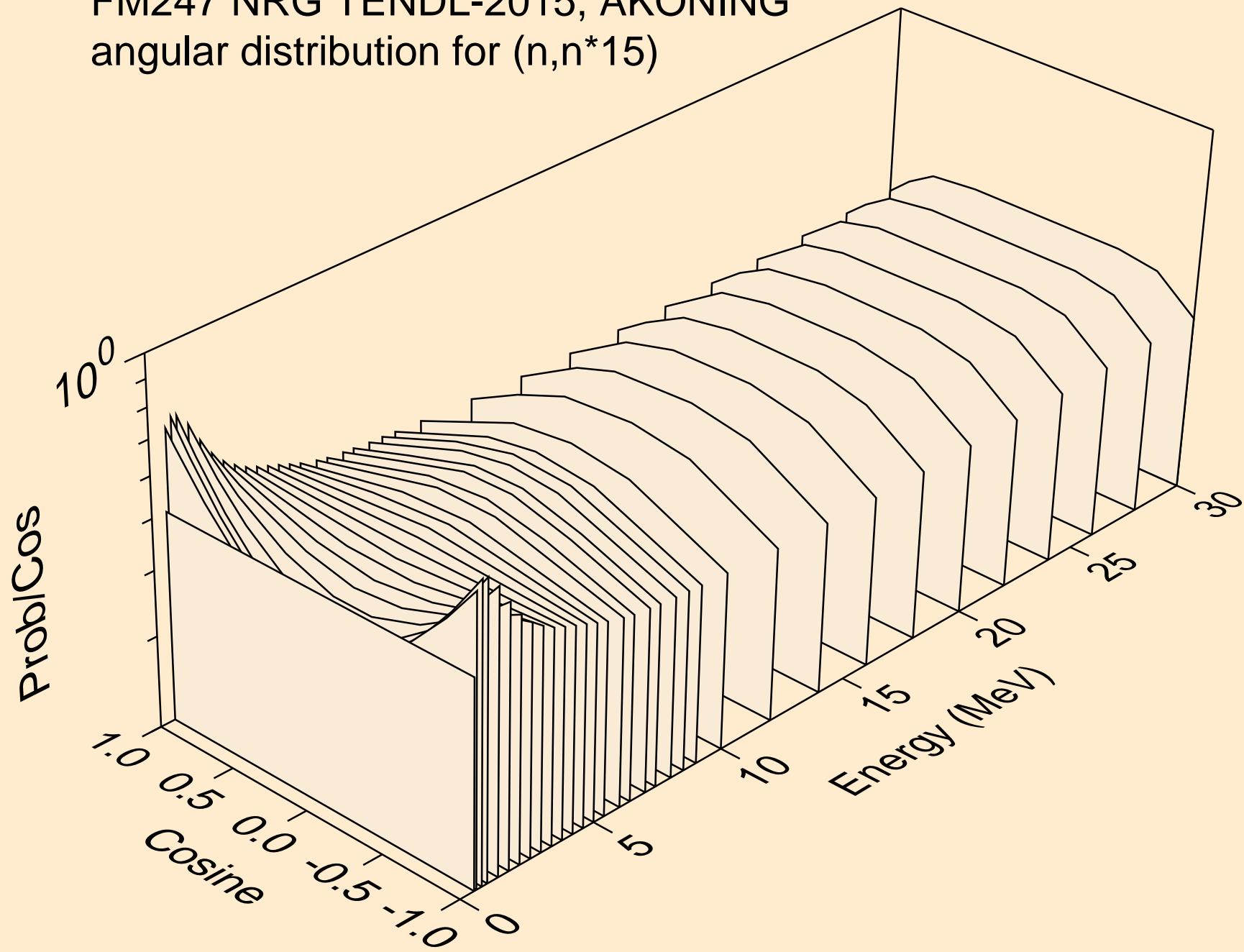
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*13)$



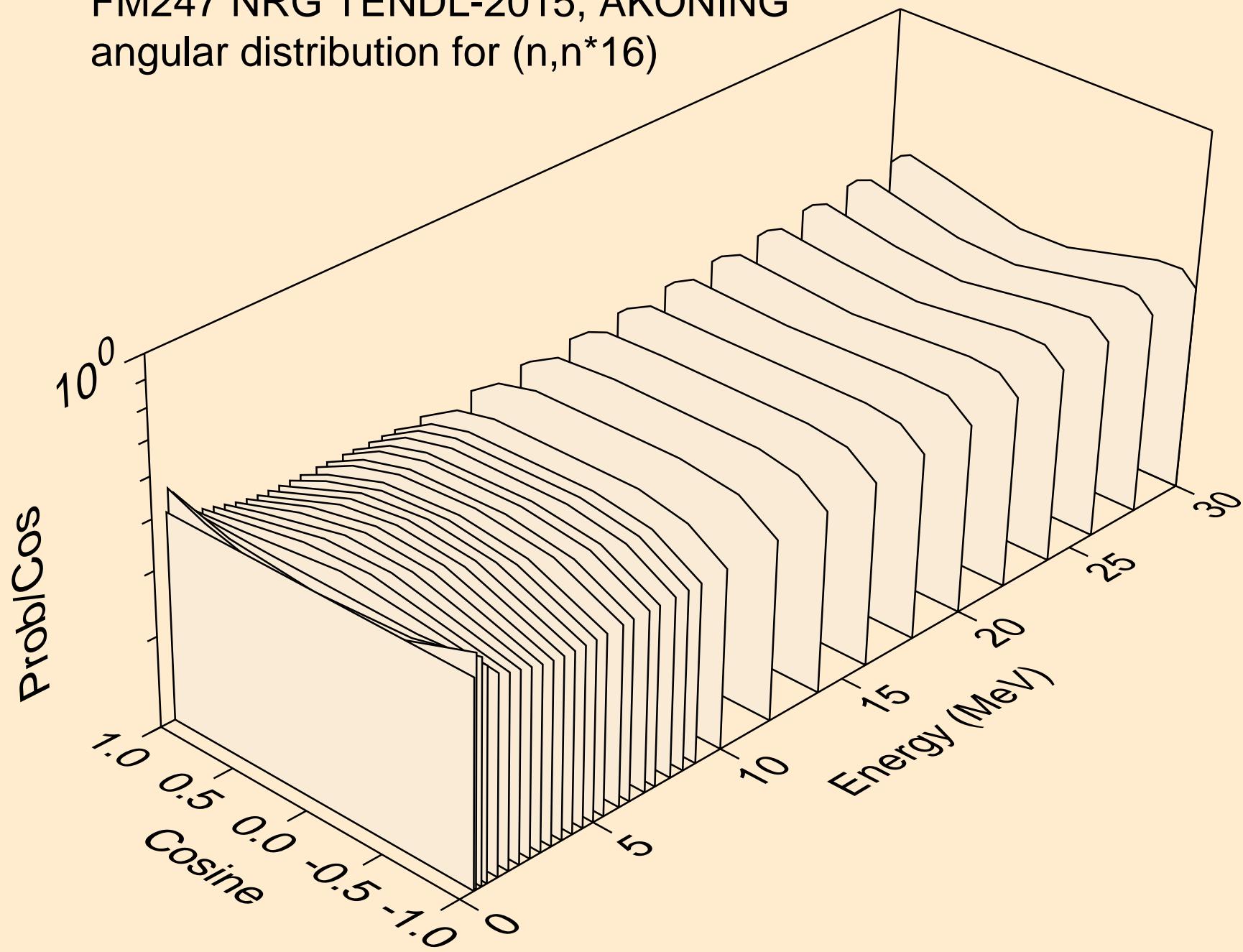
FM247 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



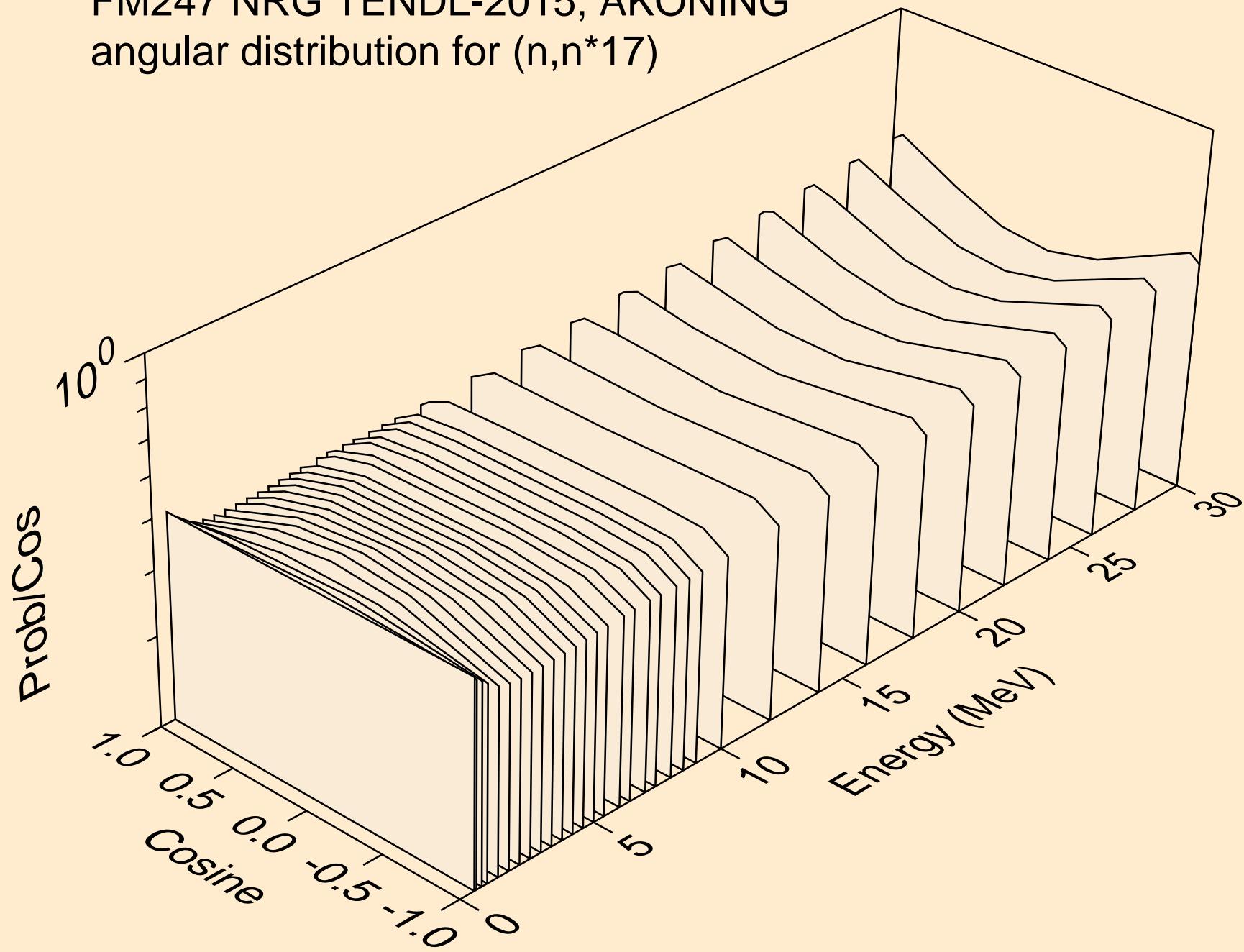
FM247 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*15$ )



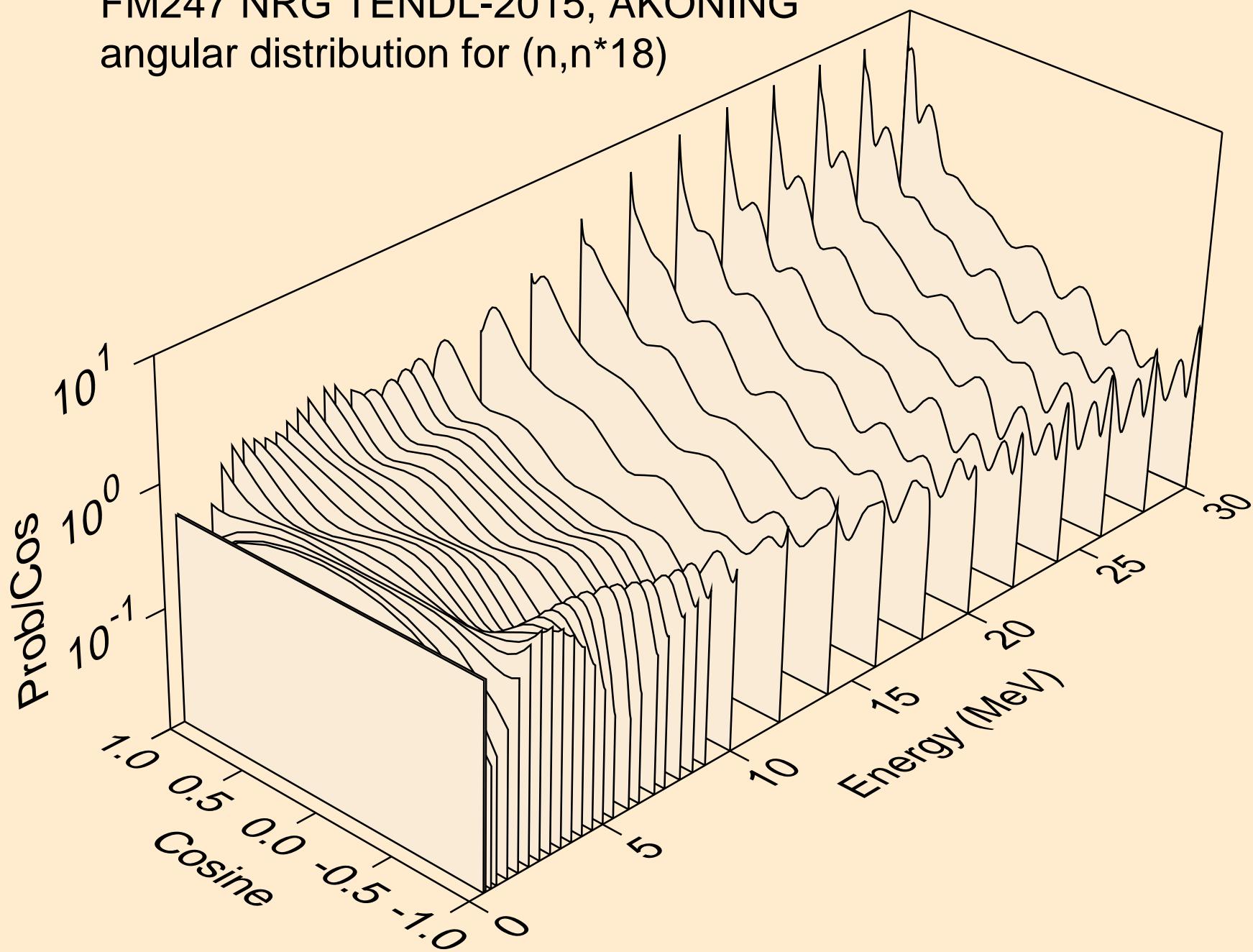
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*16)$



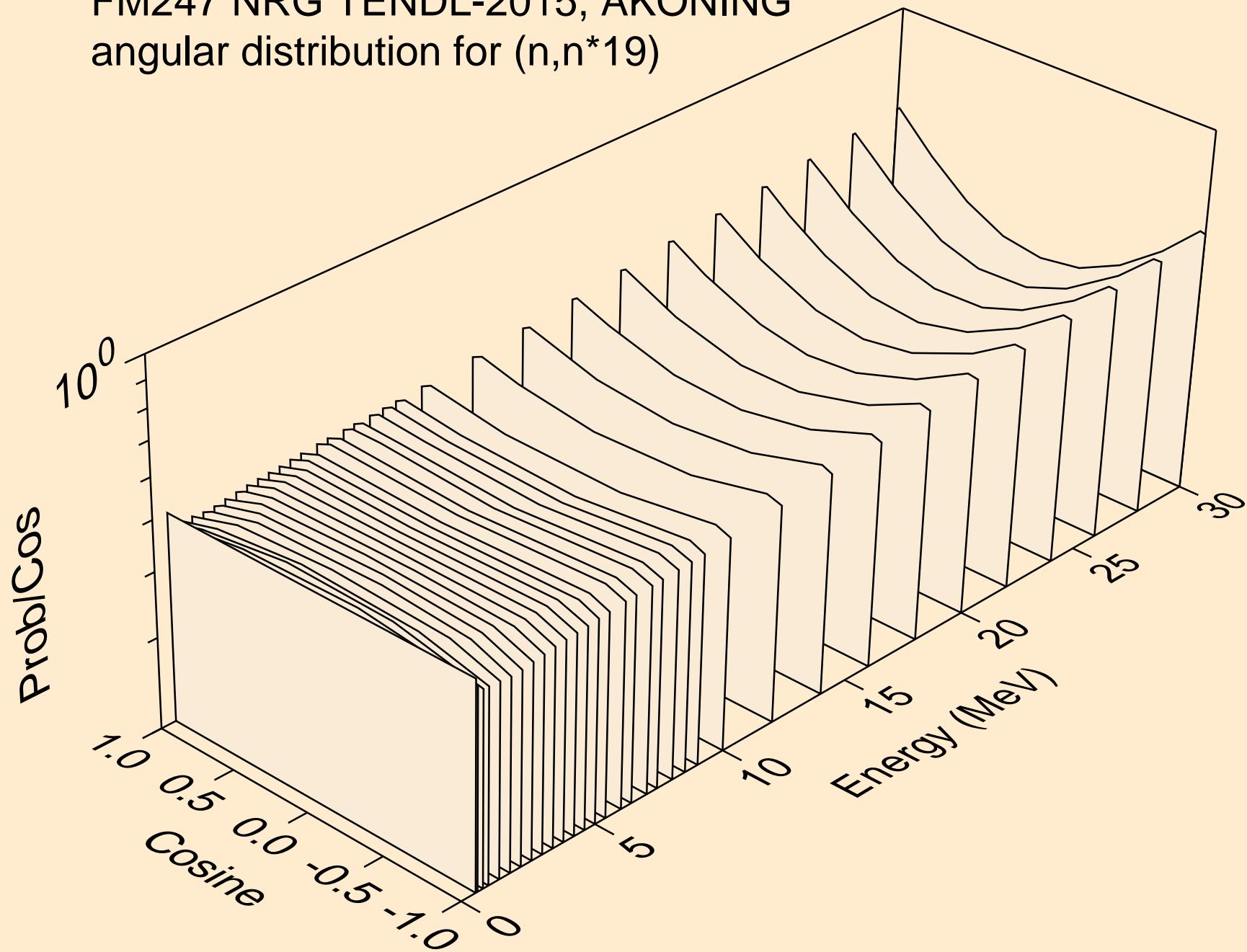
FM247 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*17$ )



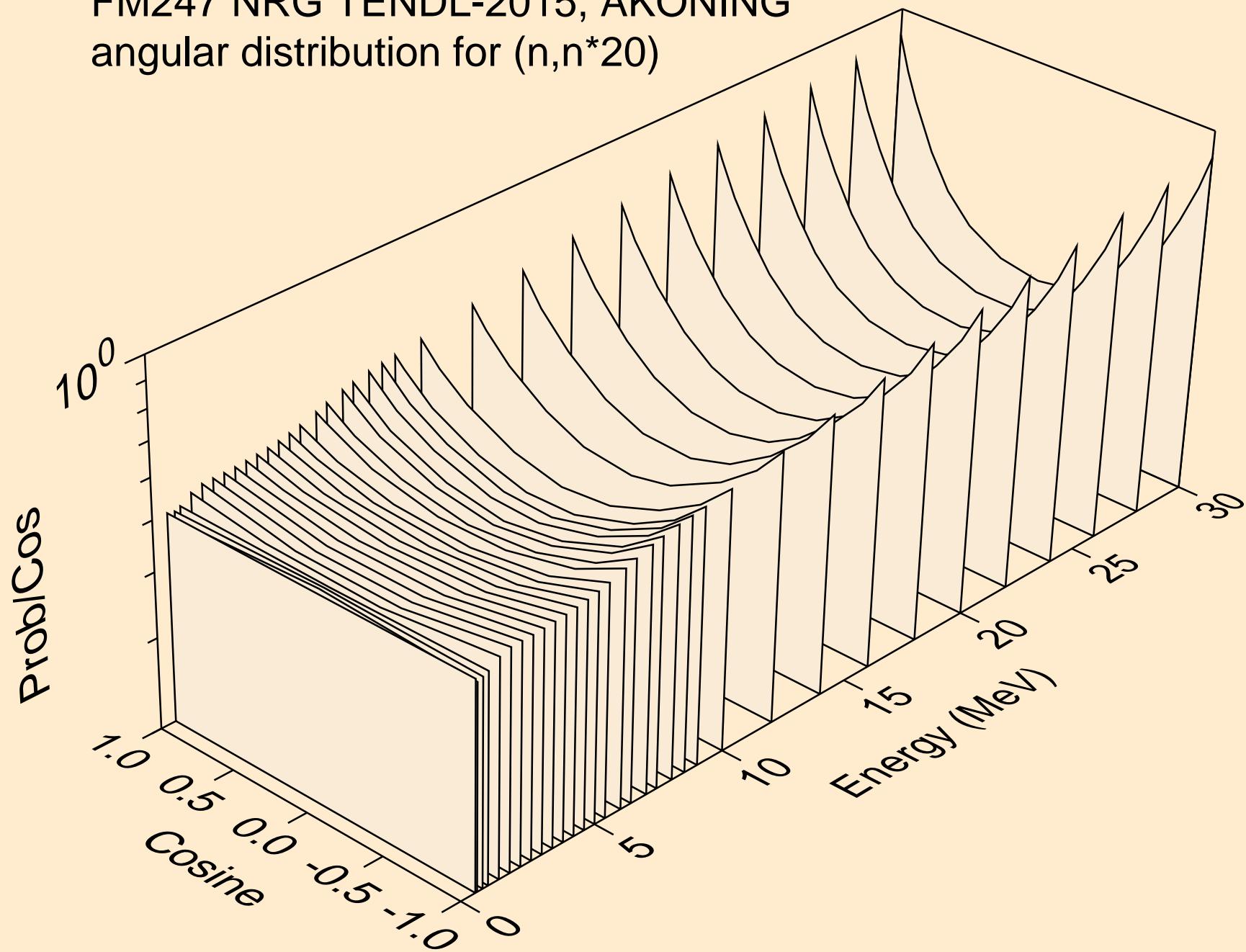
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*18)$



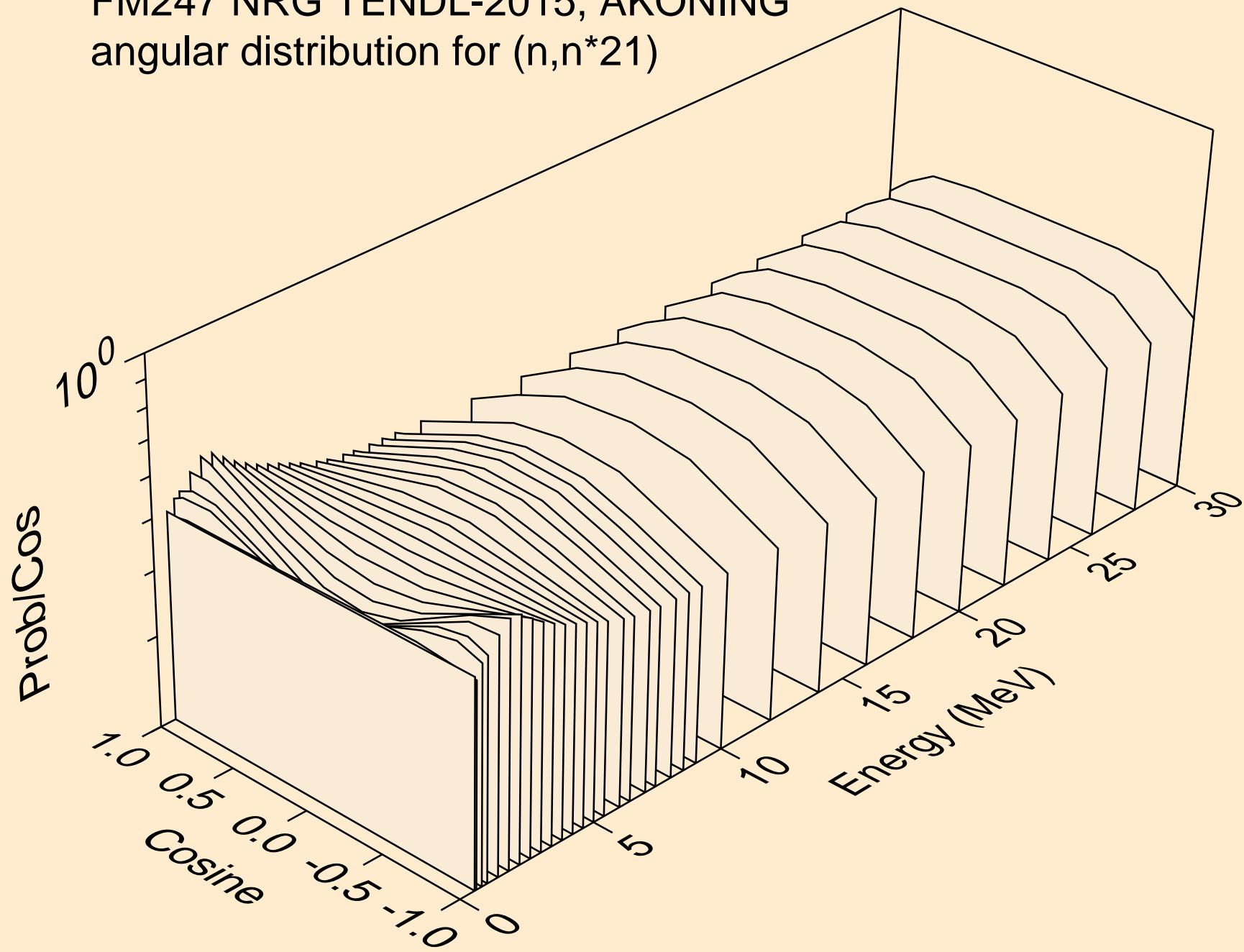
FM247 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



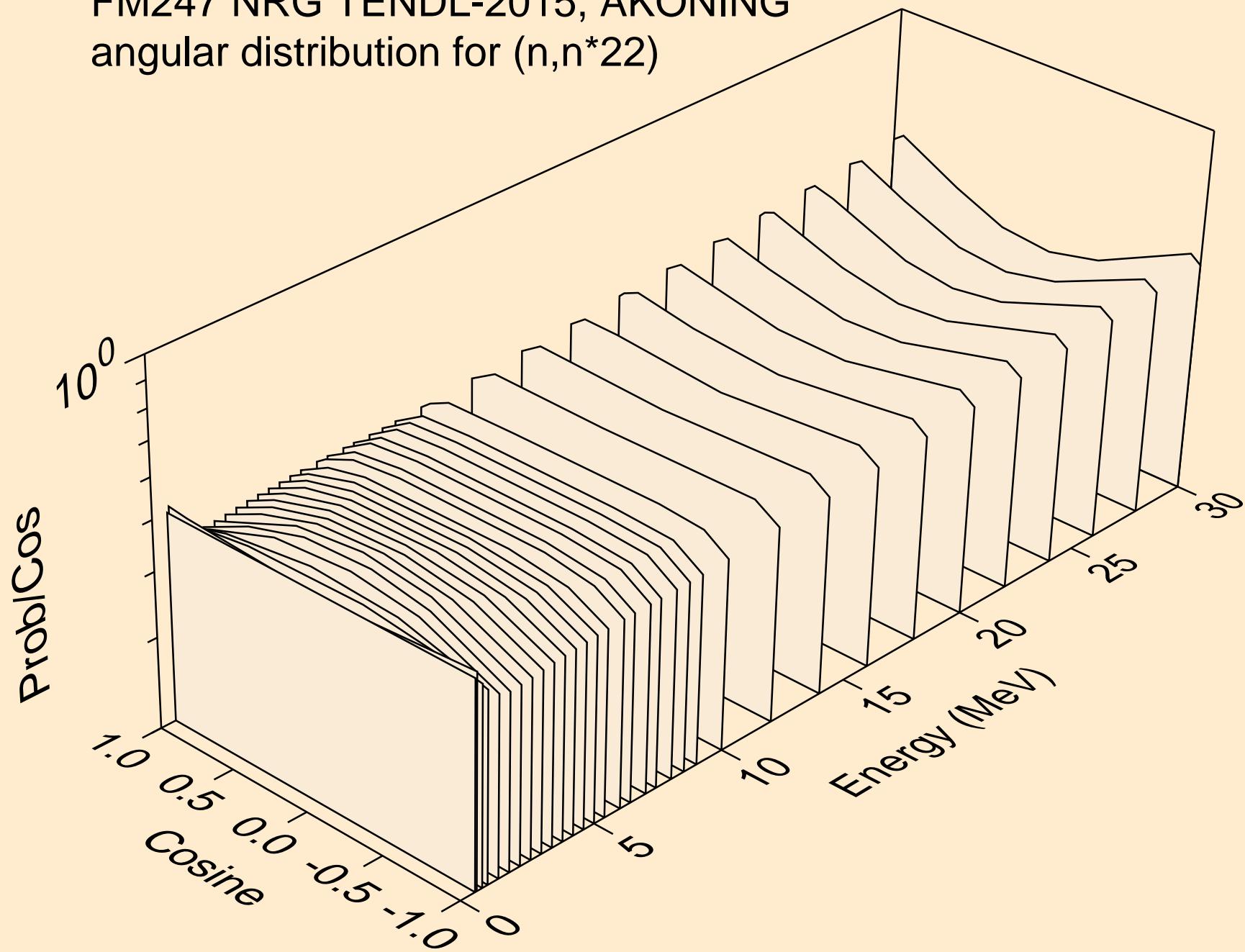
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{20}$



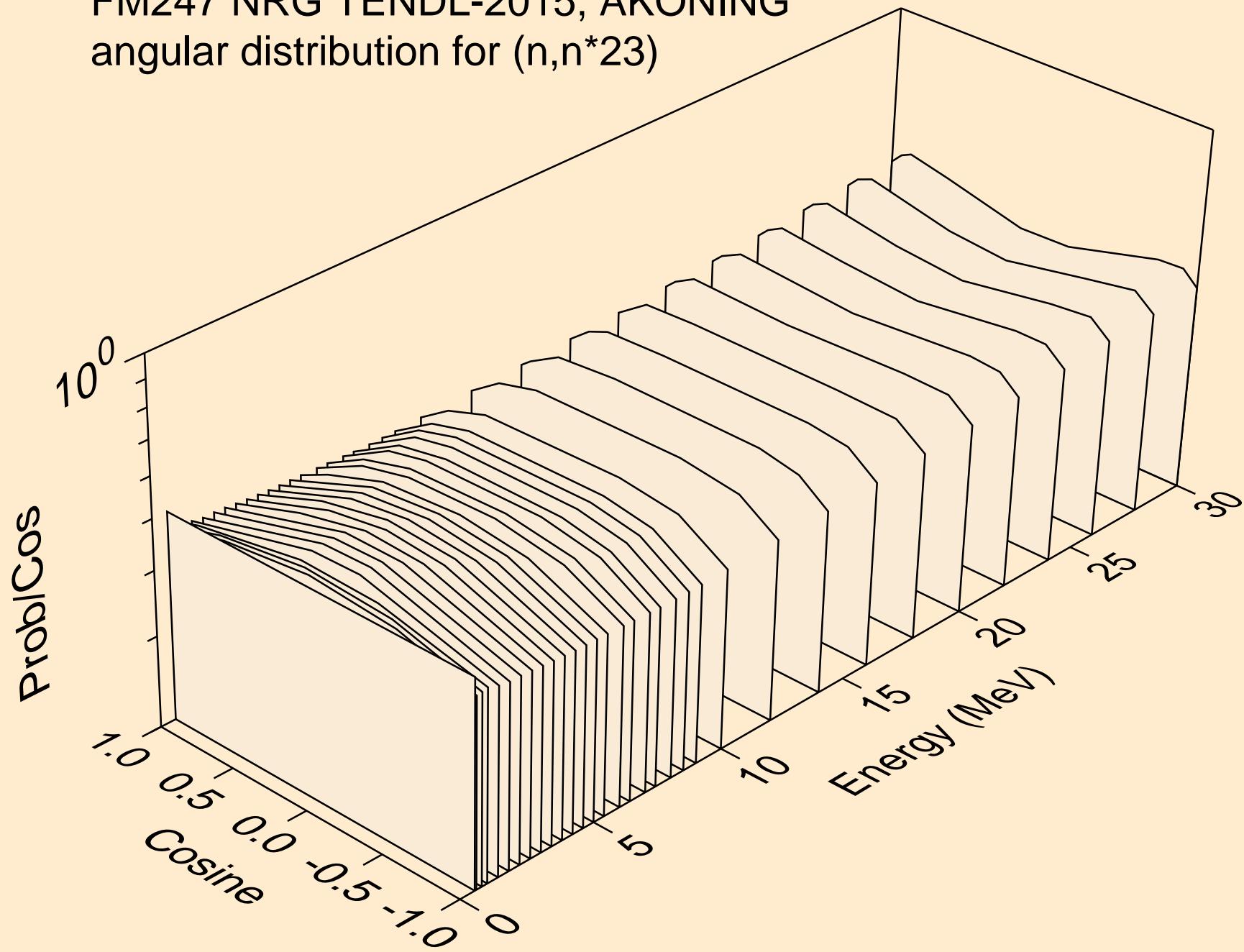
FM247 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*21$ )



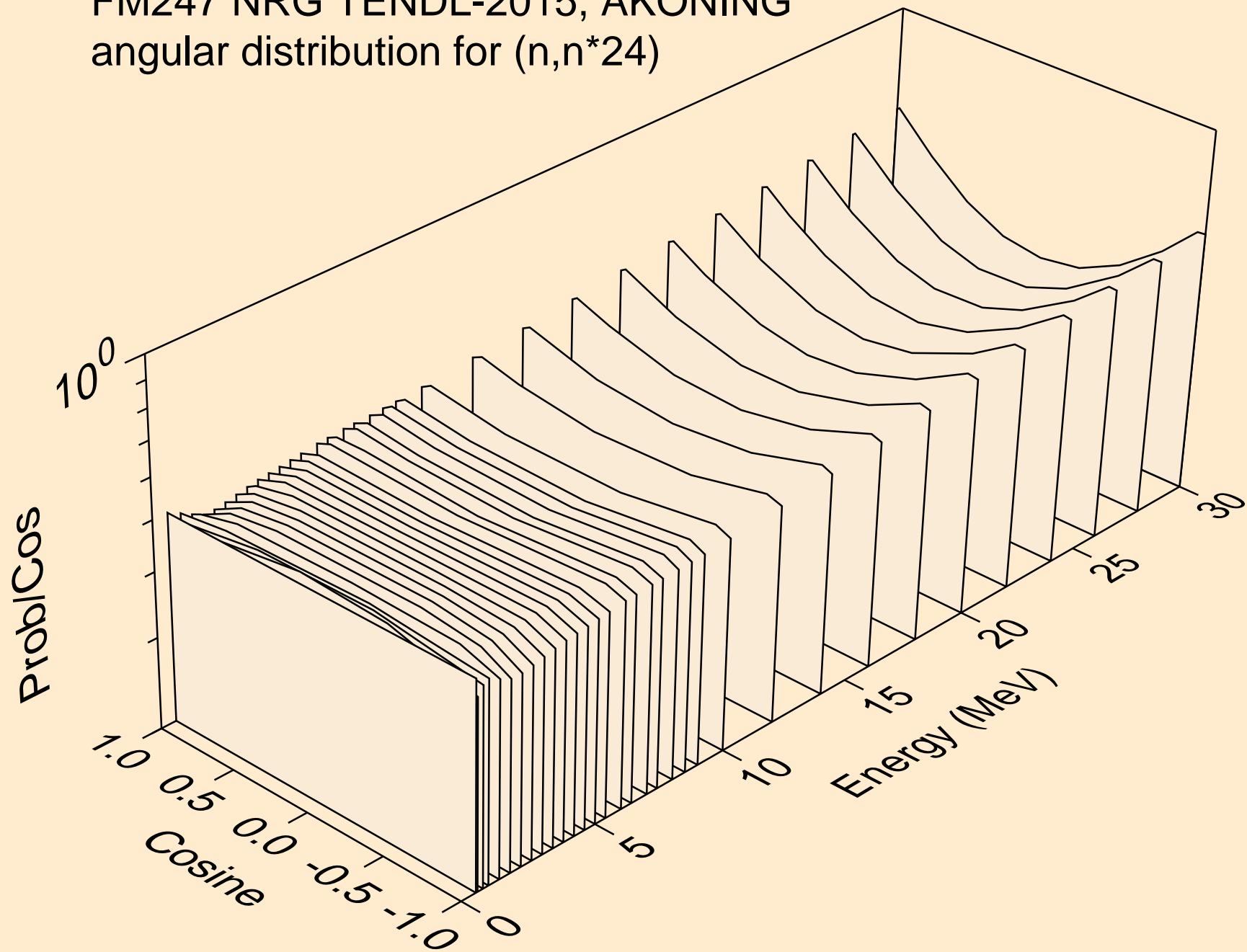
FM247 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*$ )22)



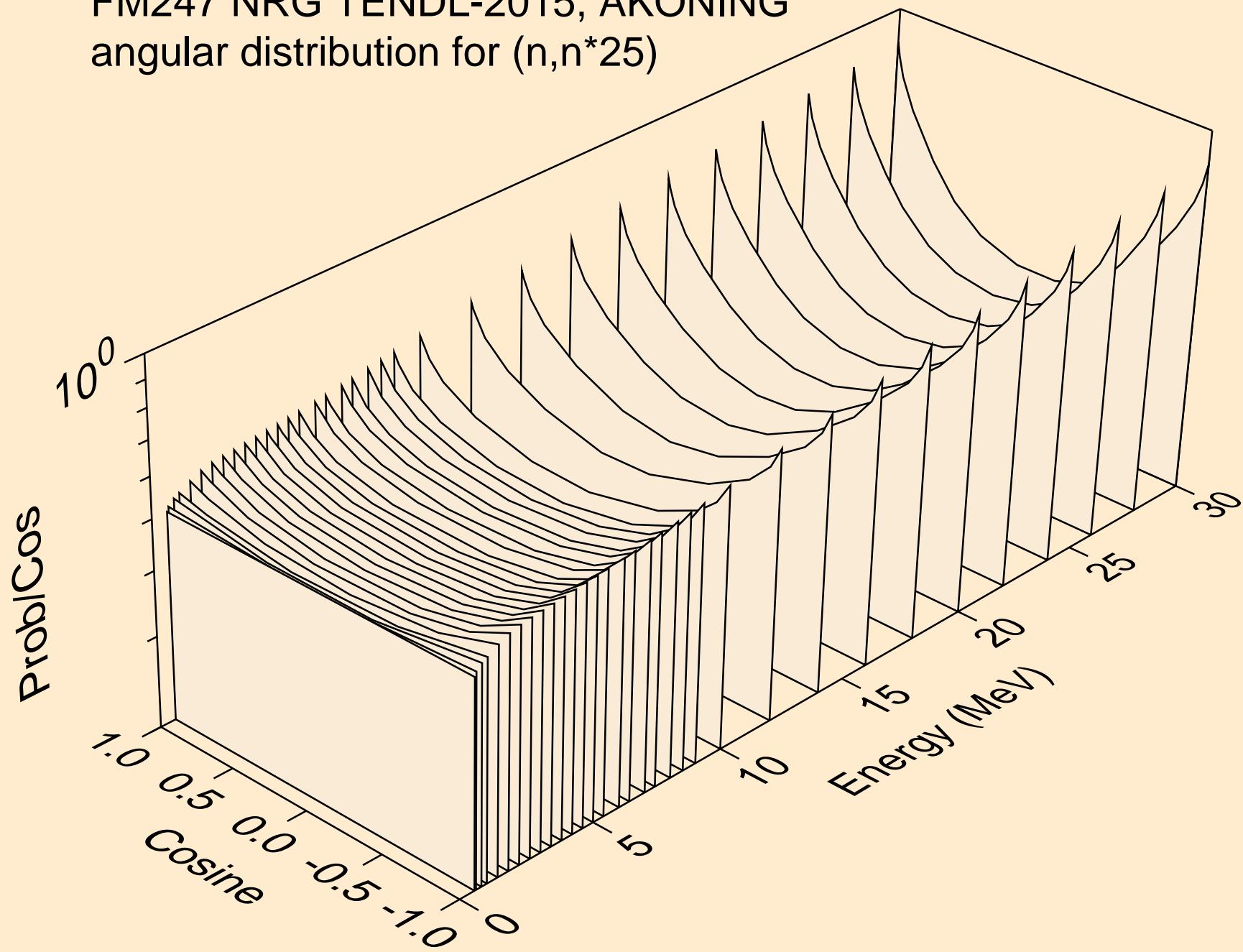
FM247 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*$ )23



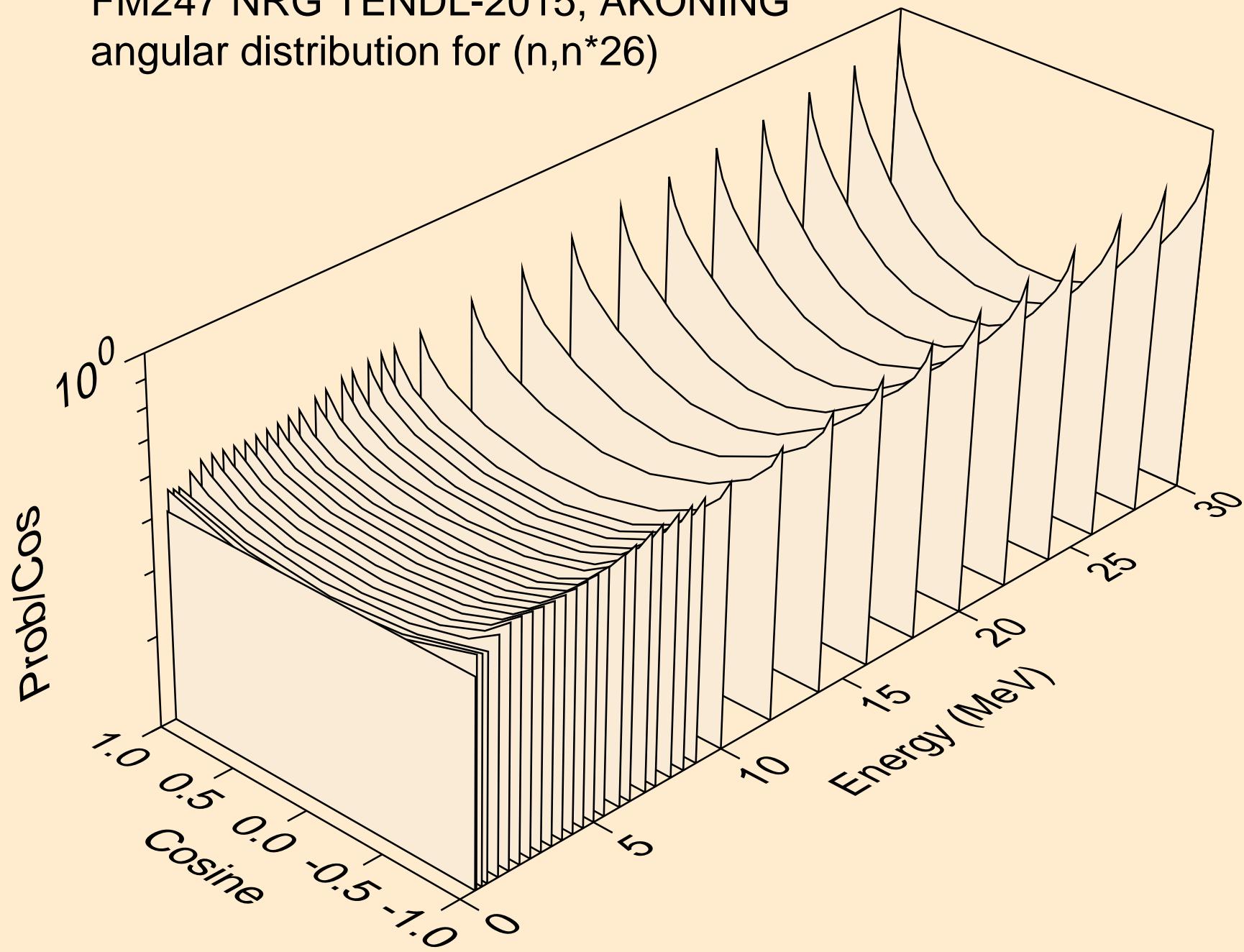
FM247 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*24$ )



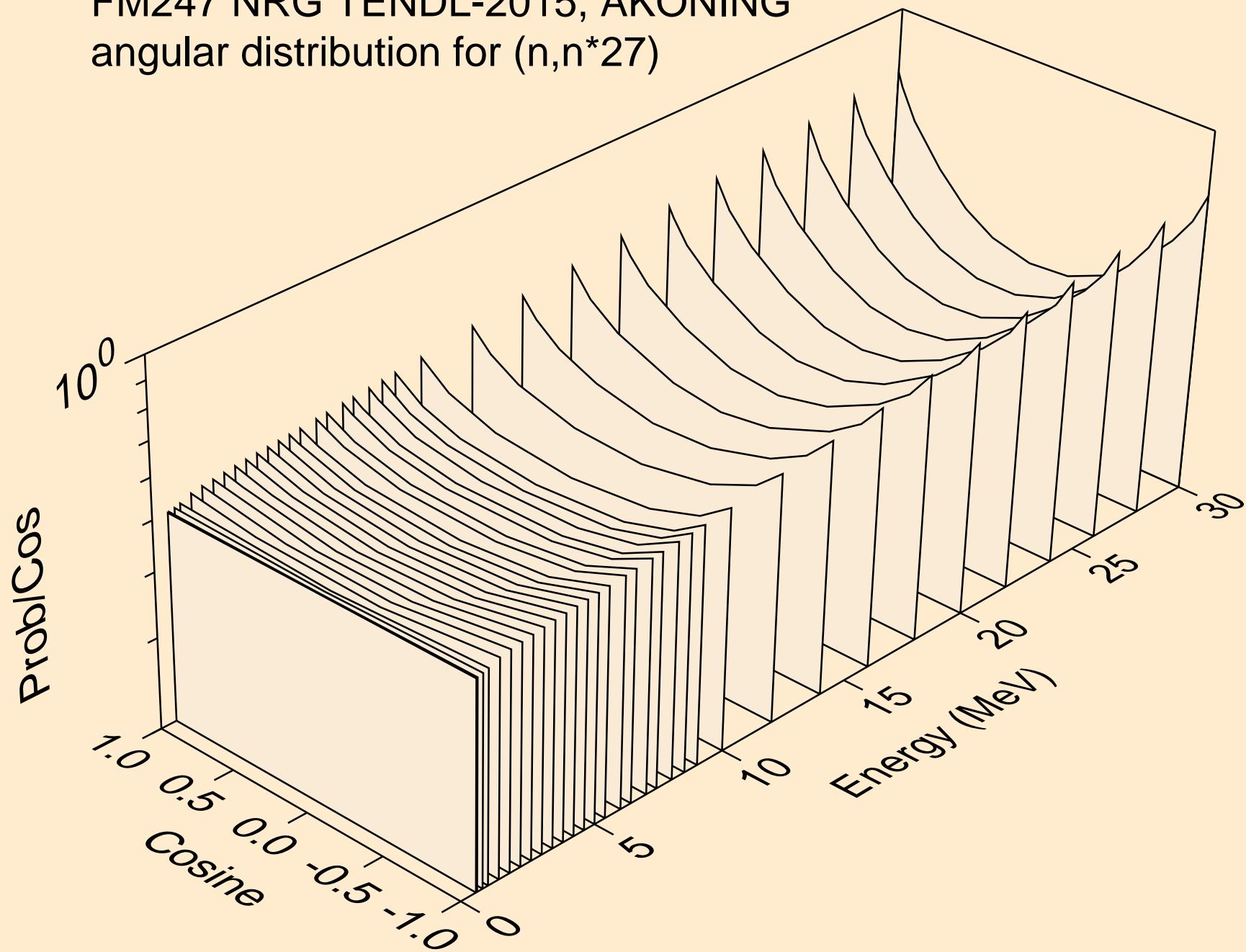
FM247 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*$ )25



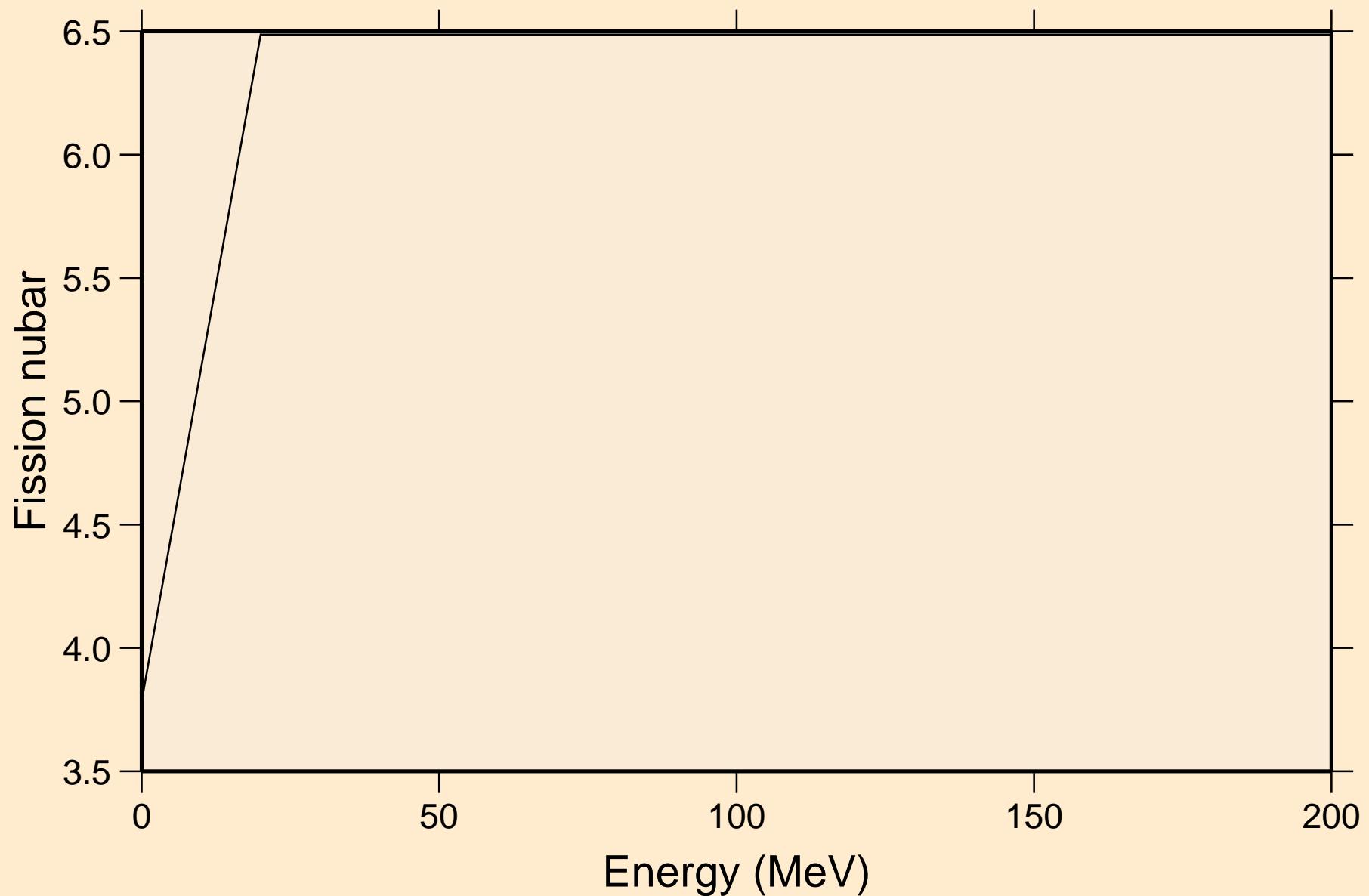
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{26}$



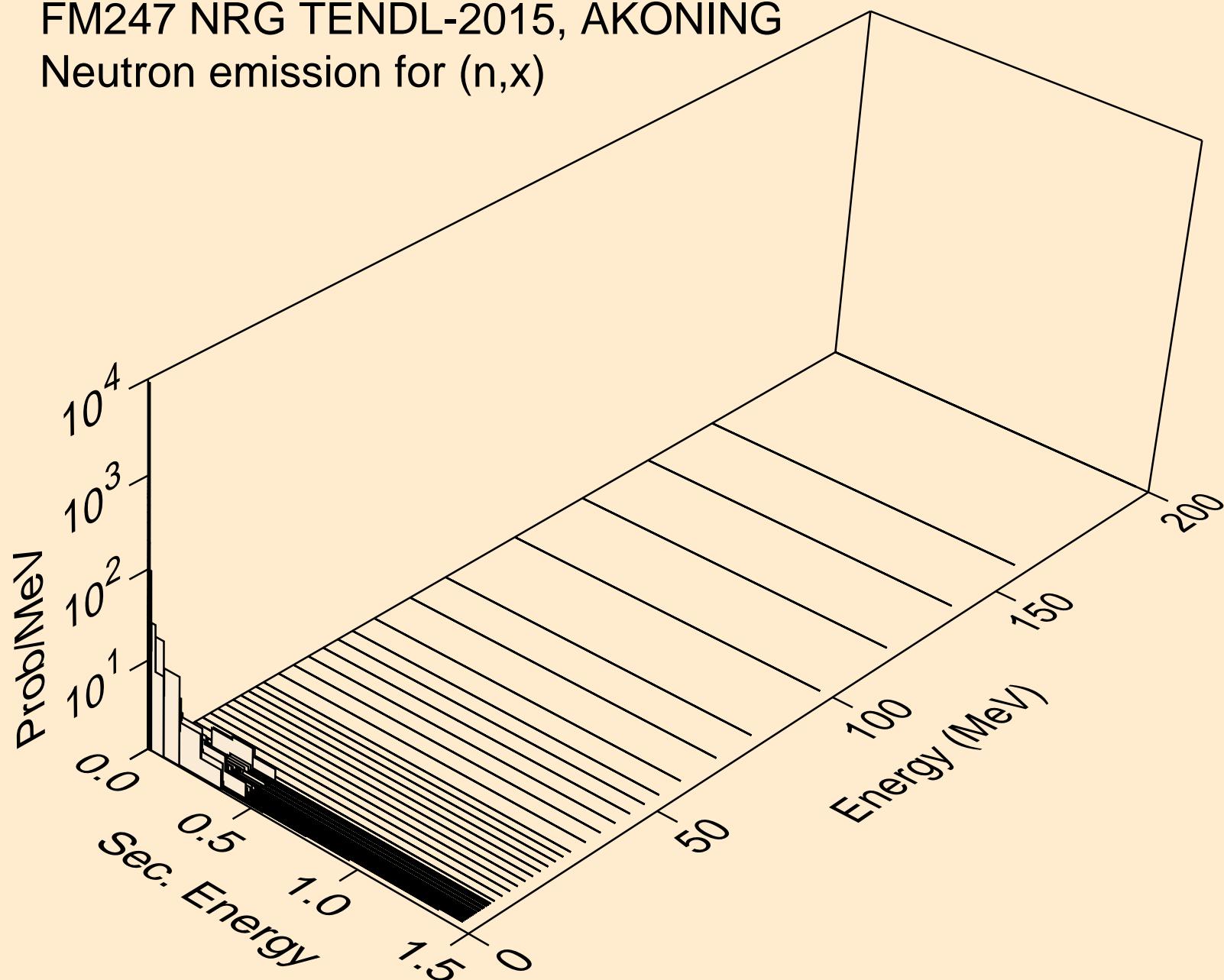
FM247 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{27}$



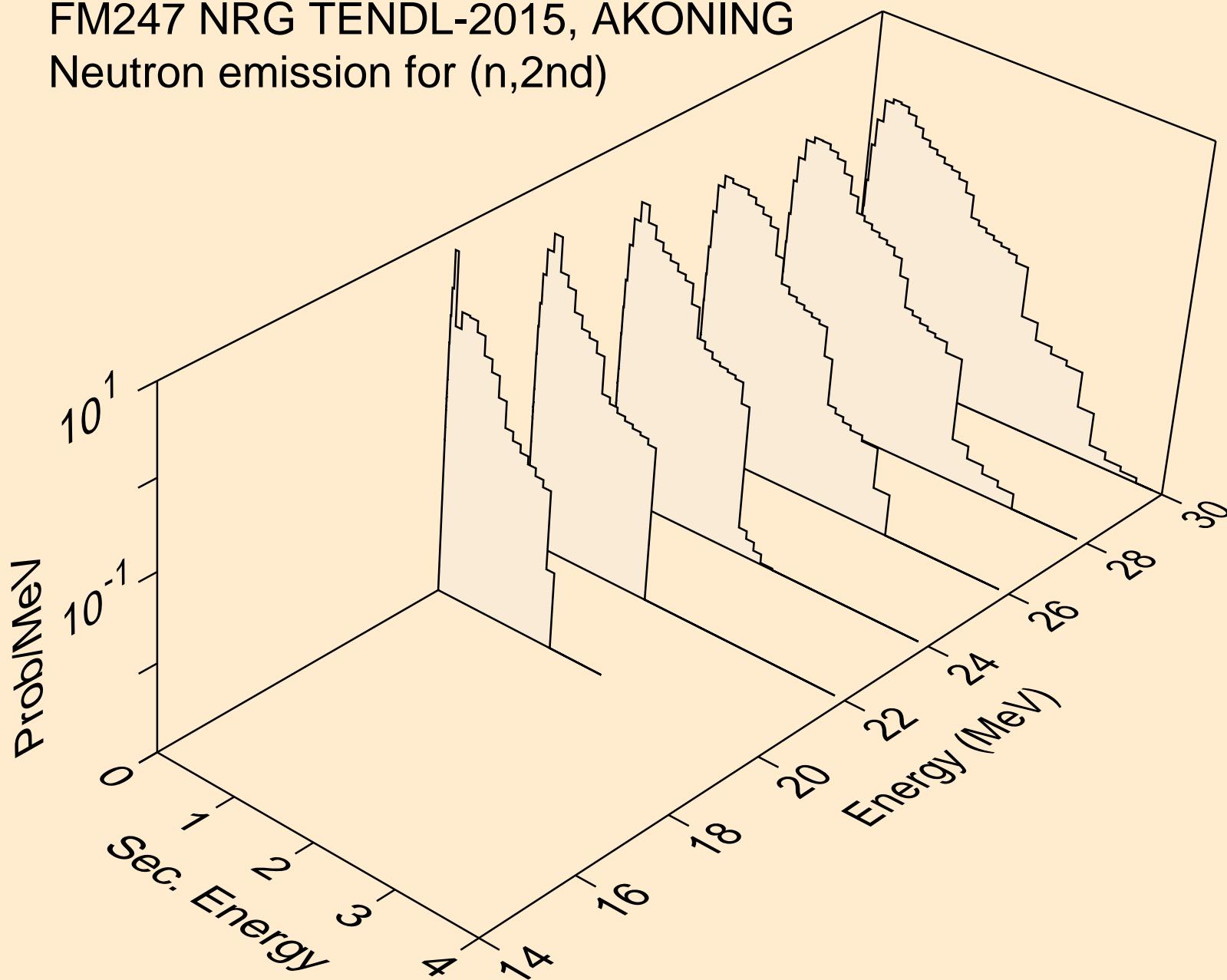
FM247 NRG TENDL-2015, AKONING  
Total fission nubar



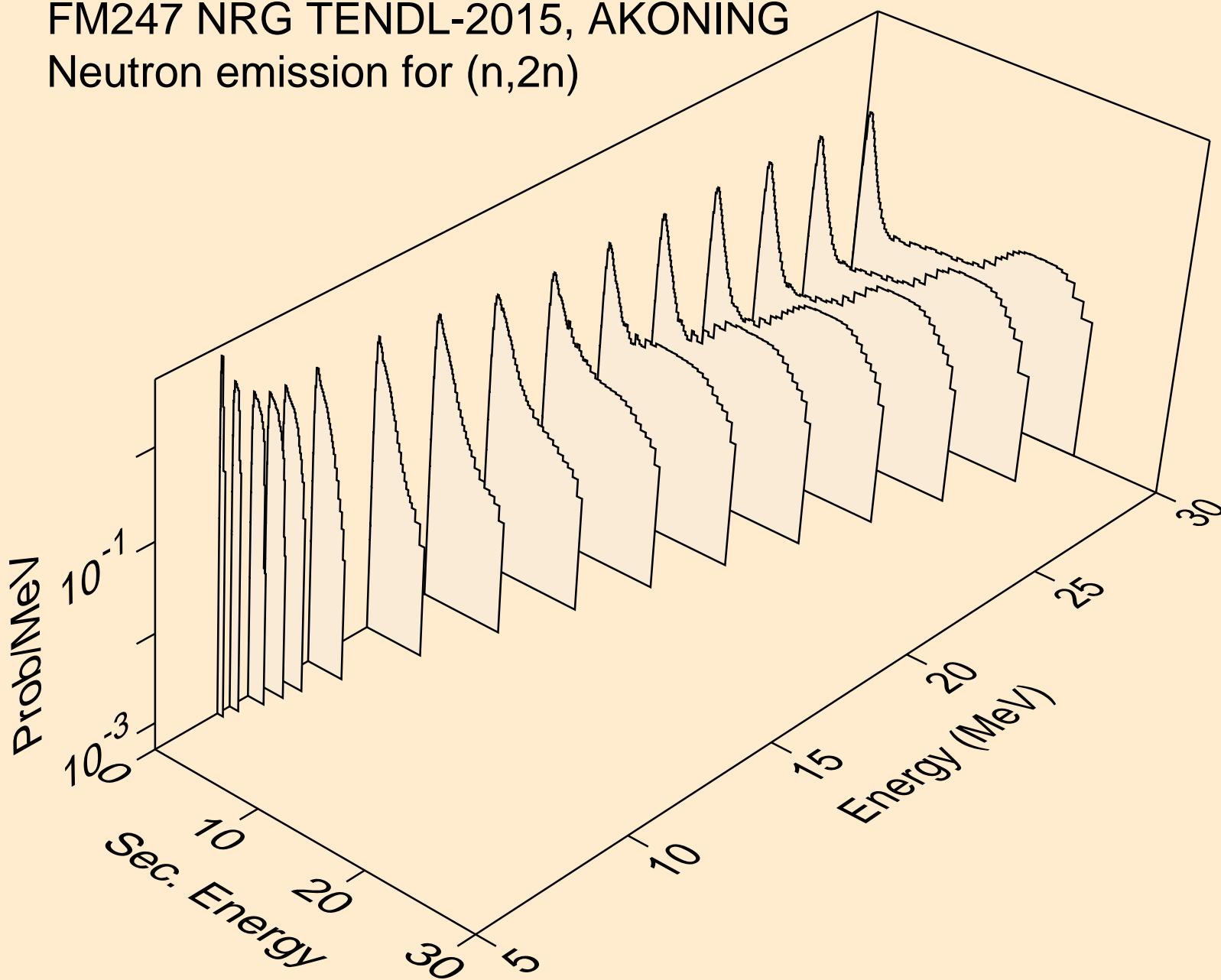
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



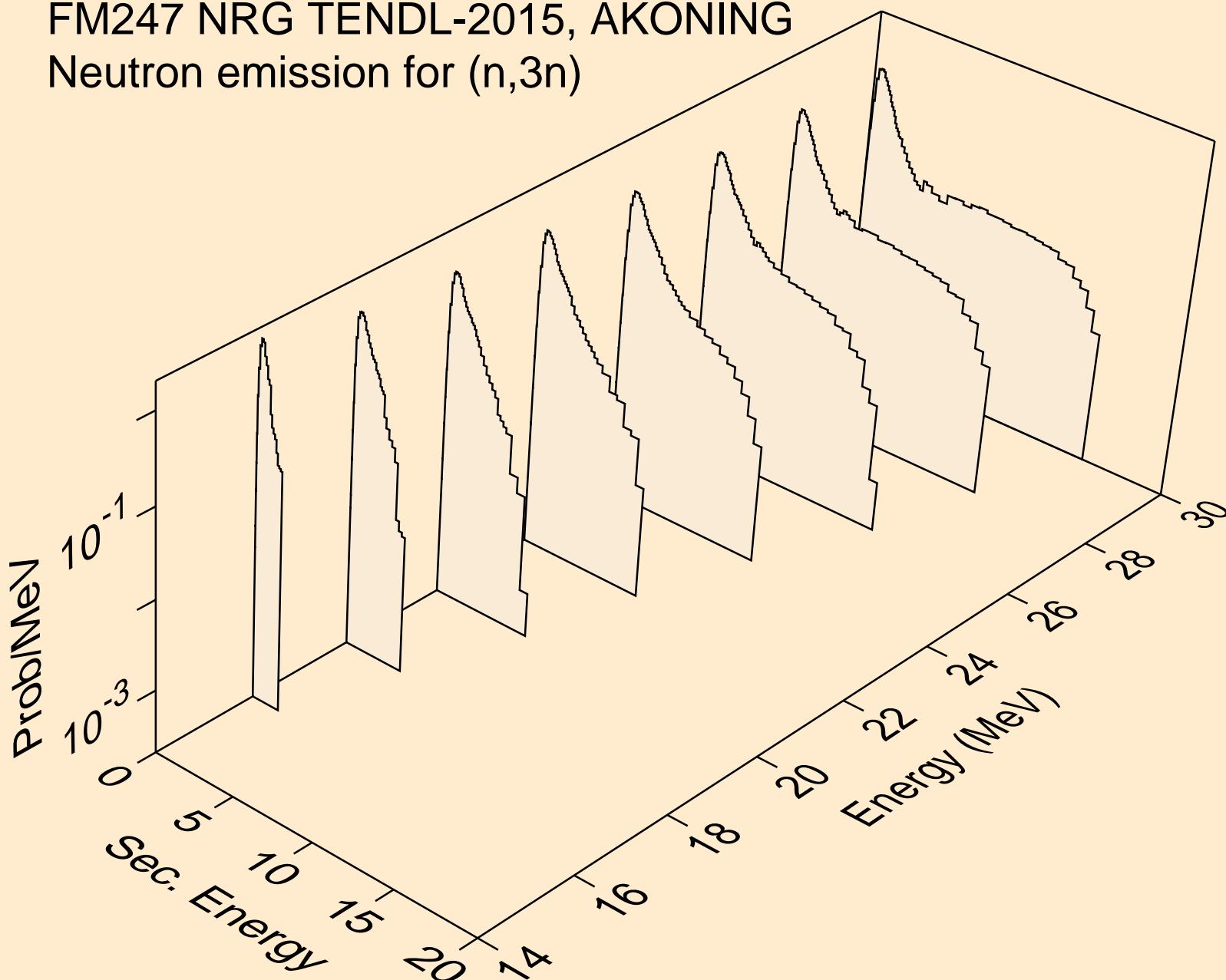
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



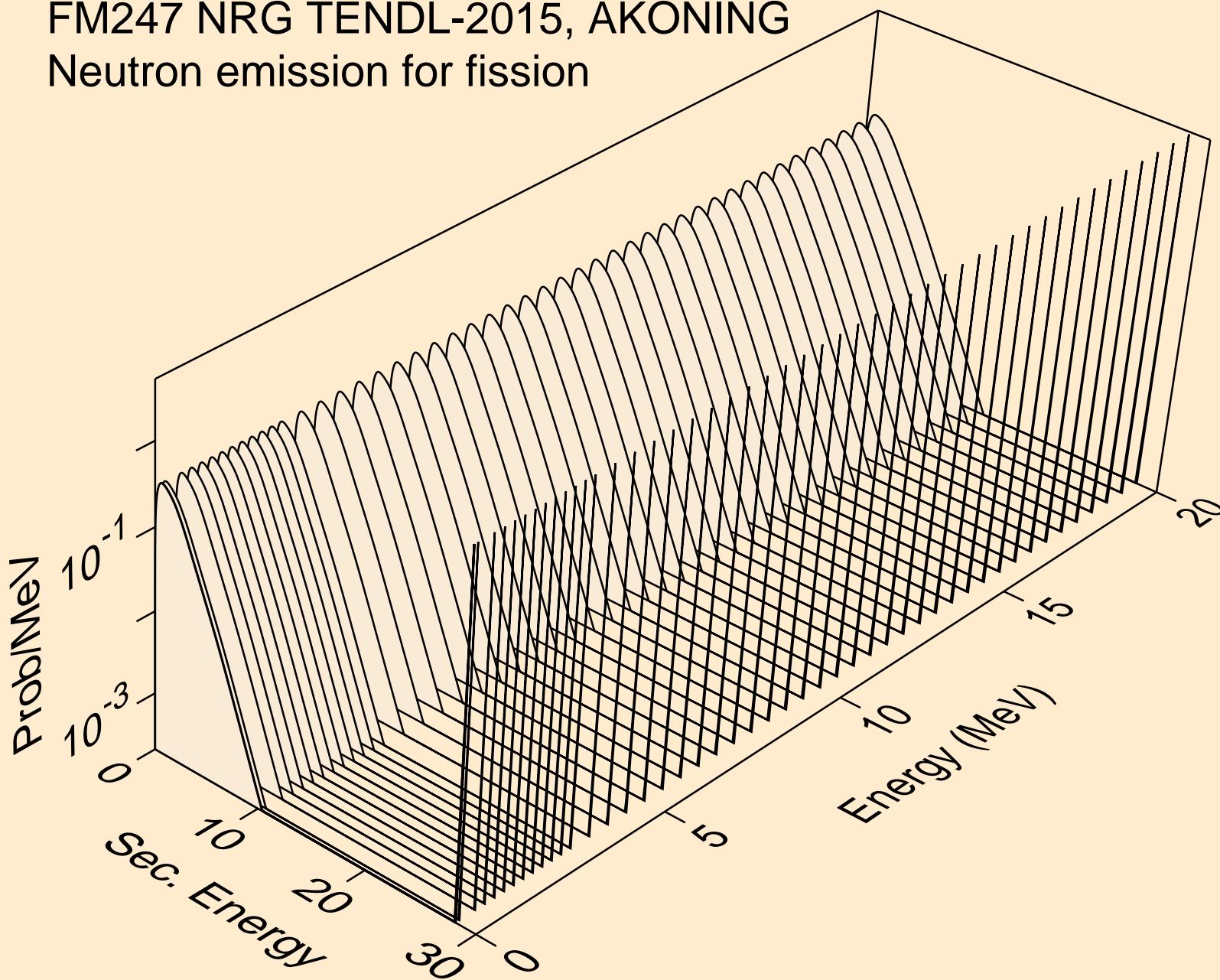
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



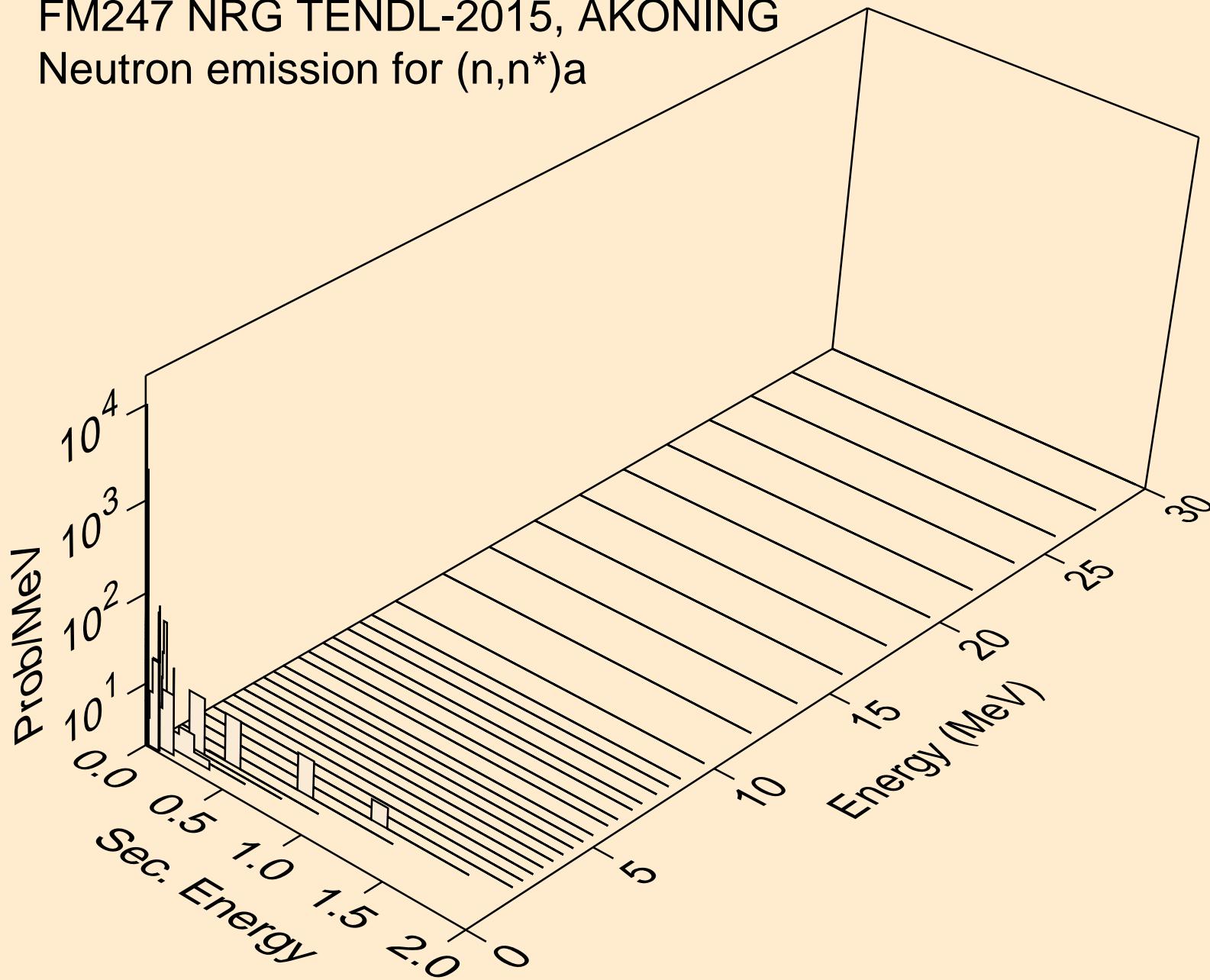
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



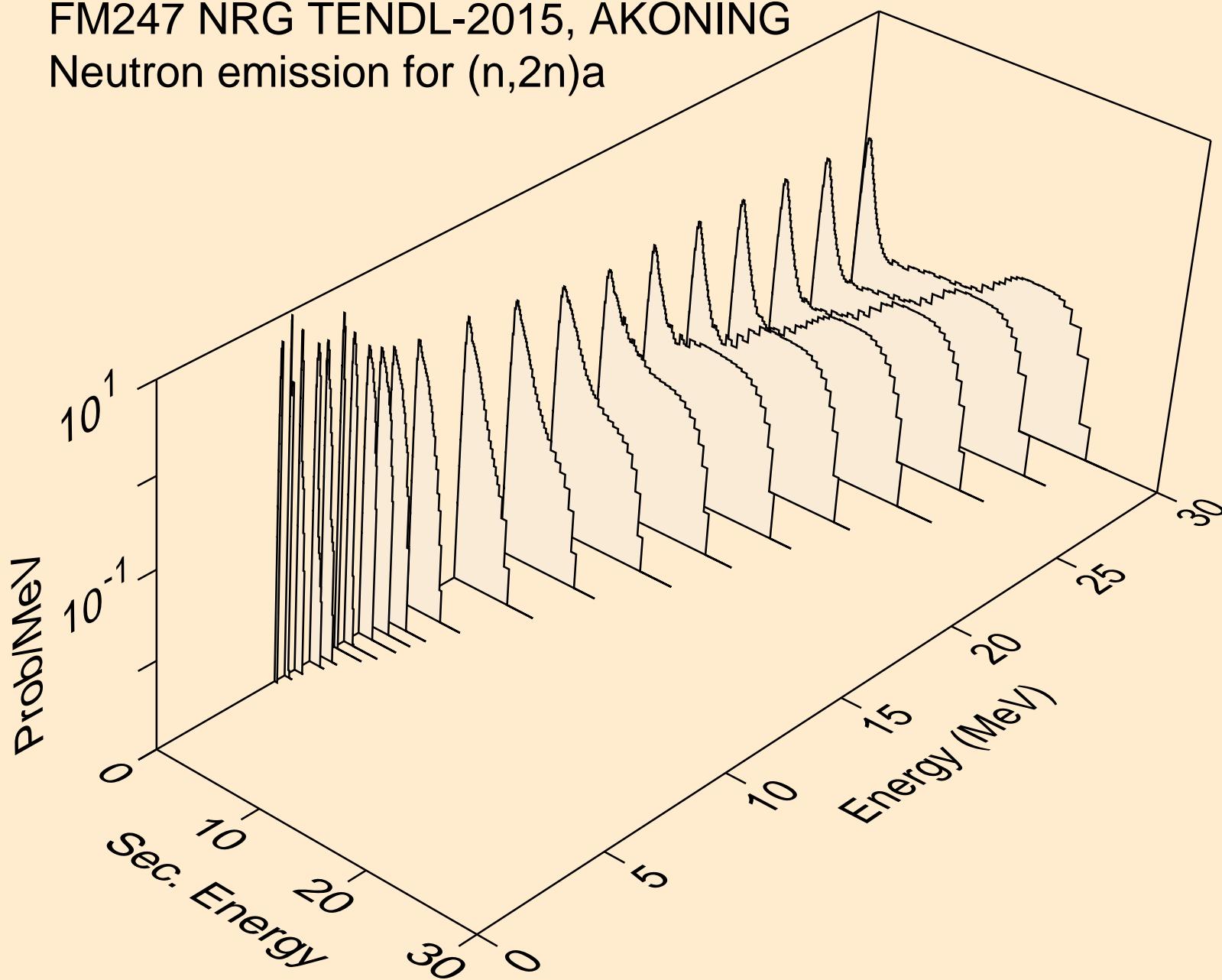
FM247 NRG TENDL-2015, AKONING  
Neutron emission for fission



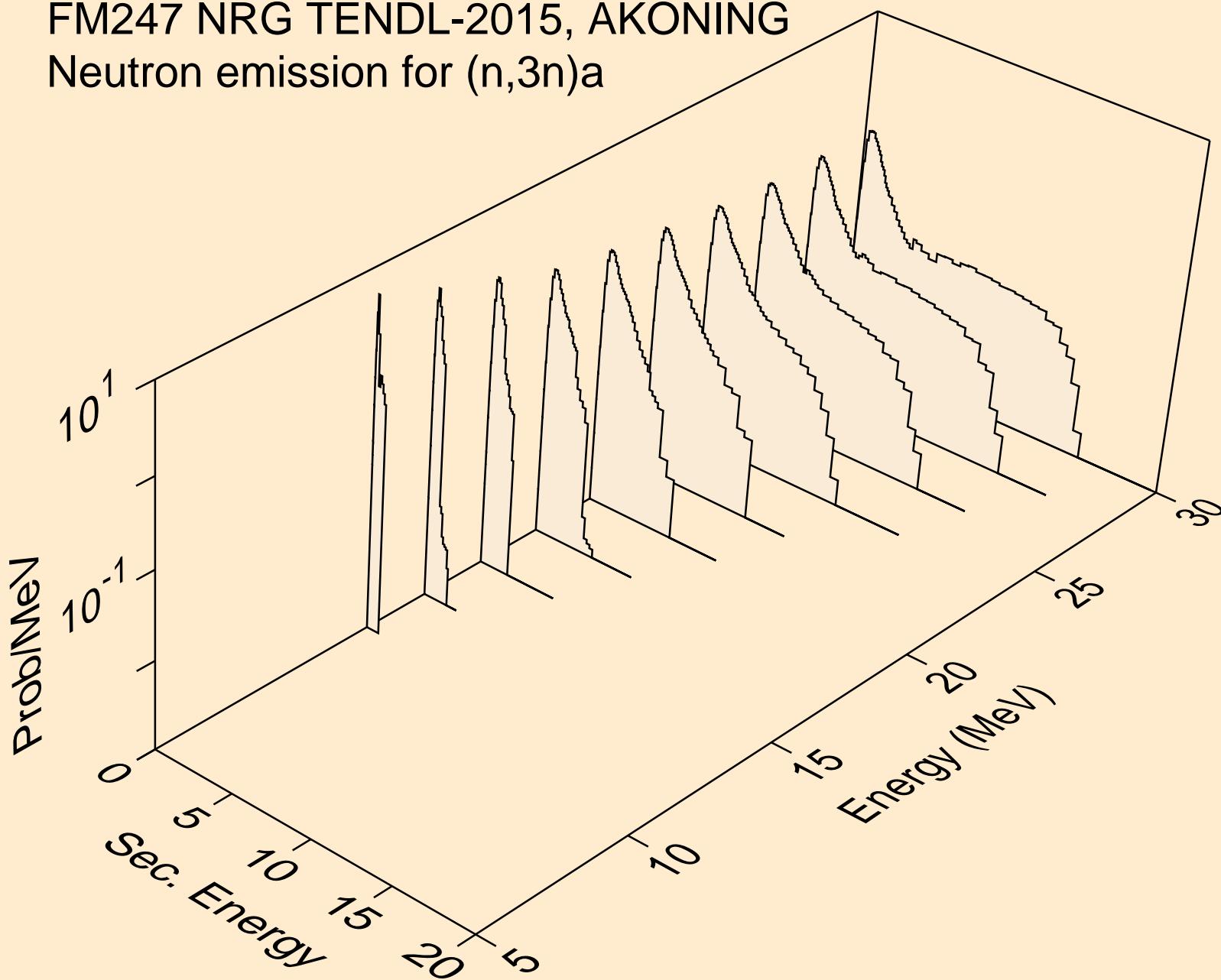
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



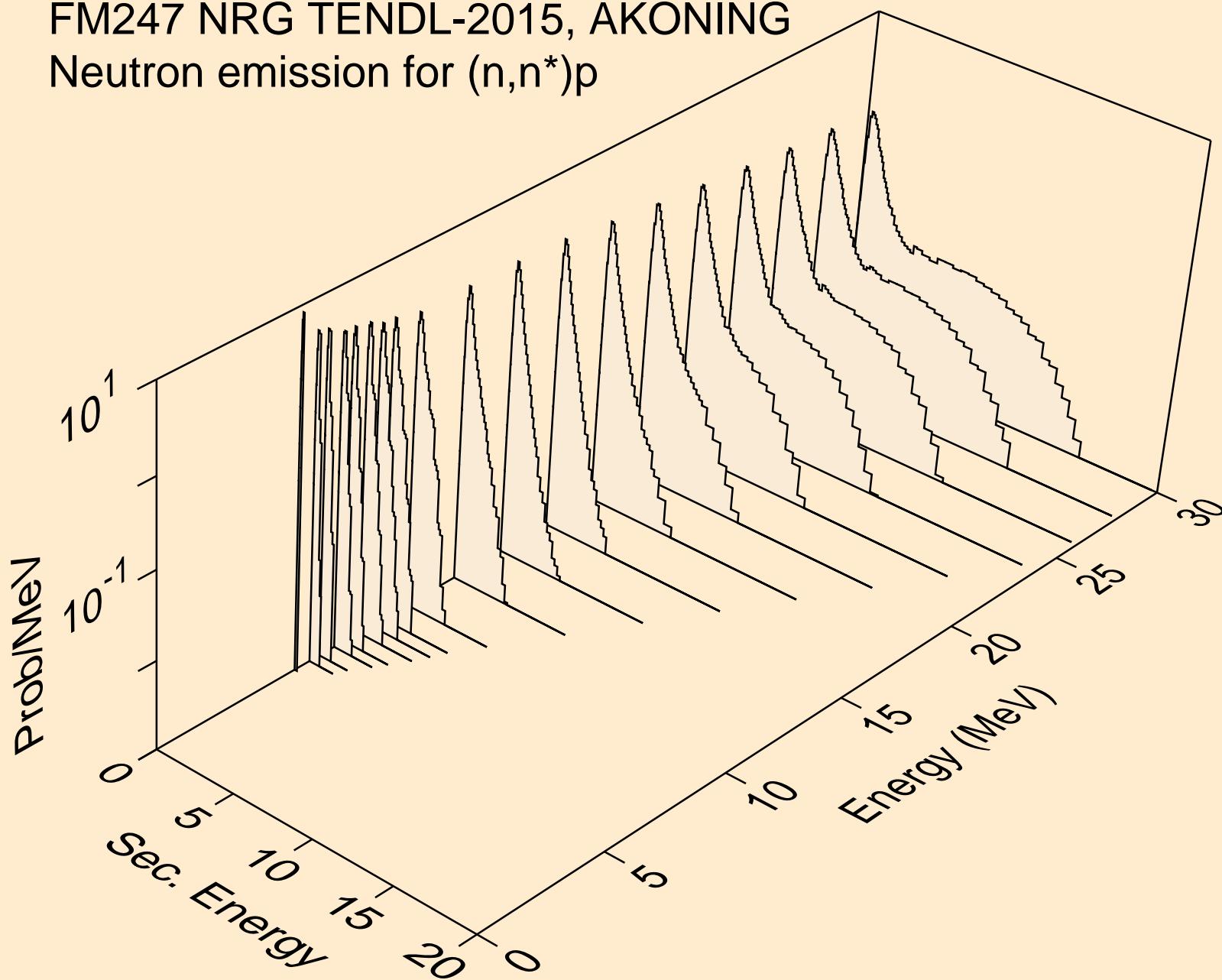
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



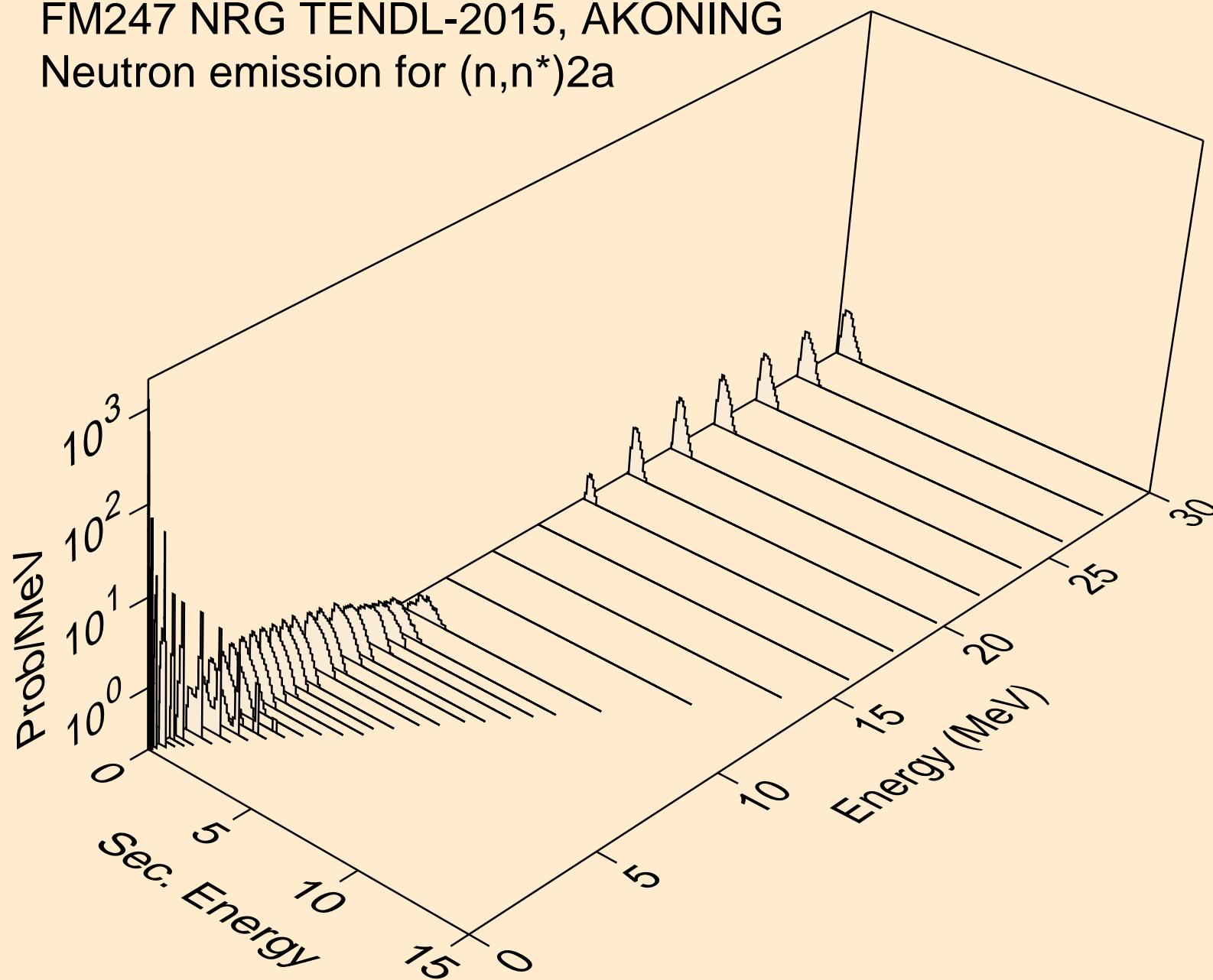
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



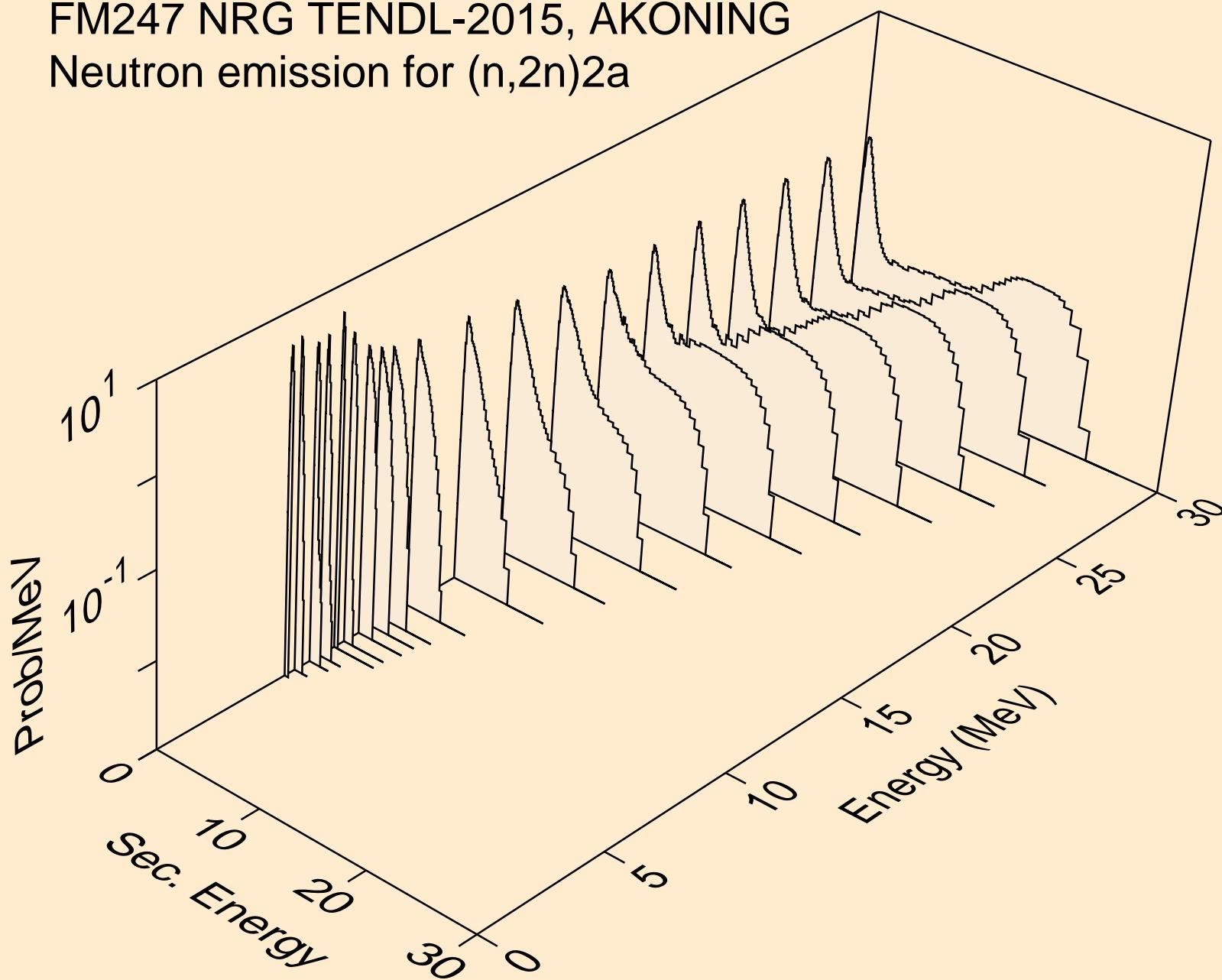
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



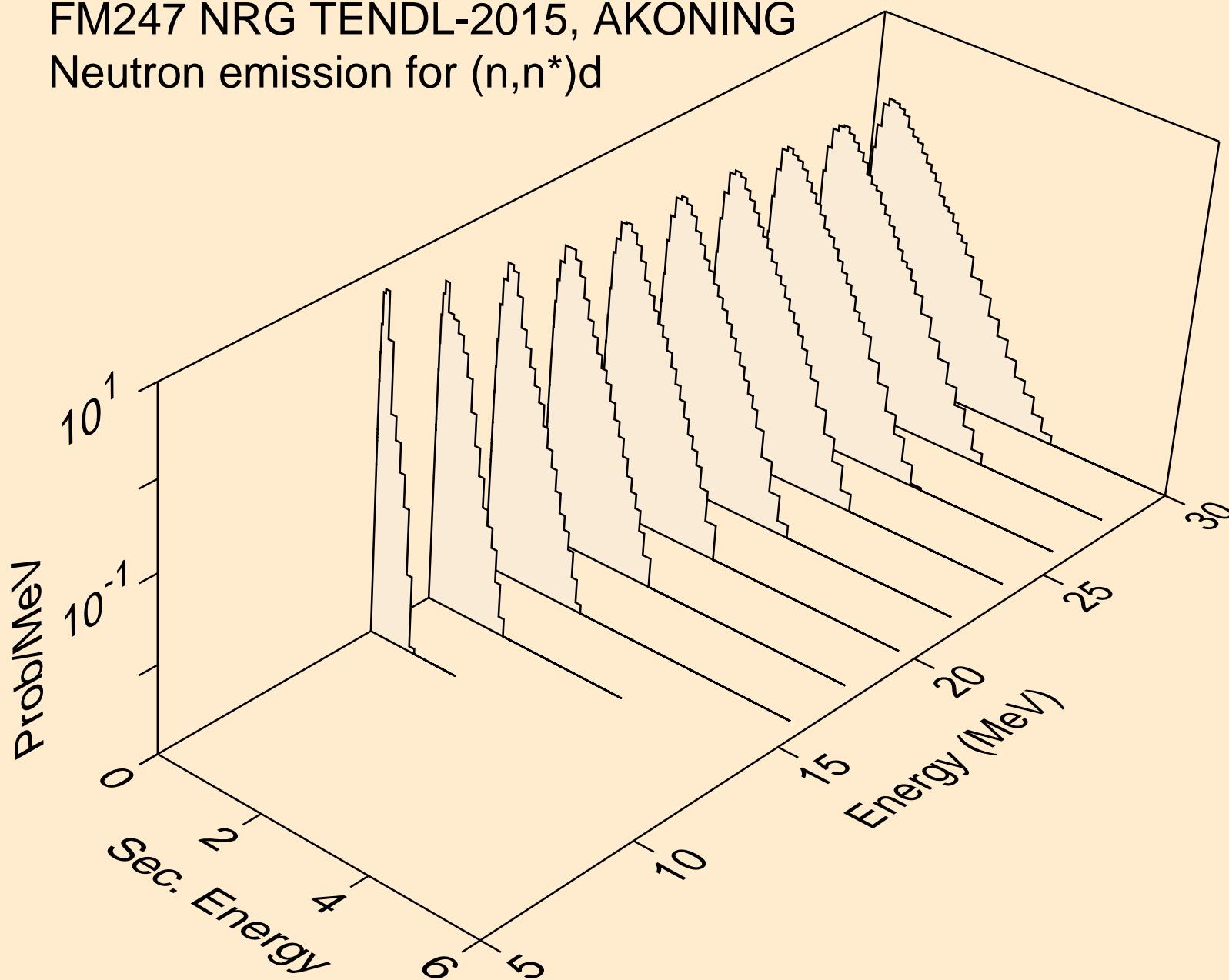
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



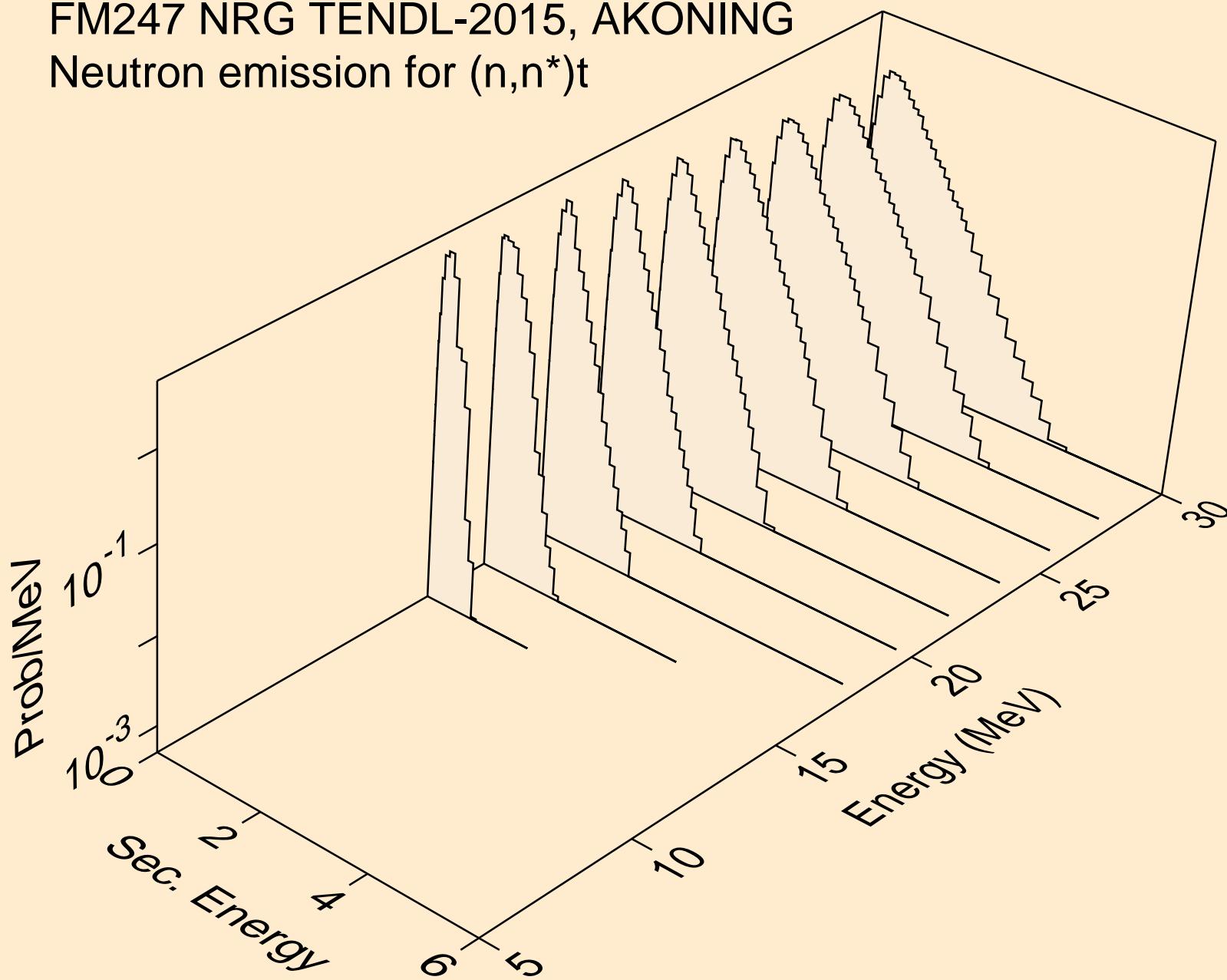
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



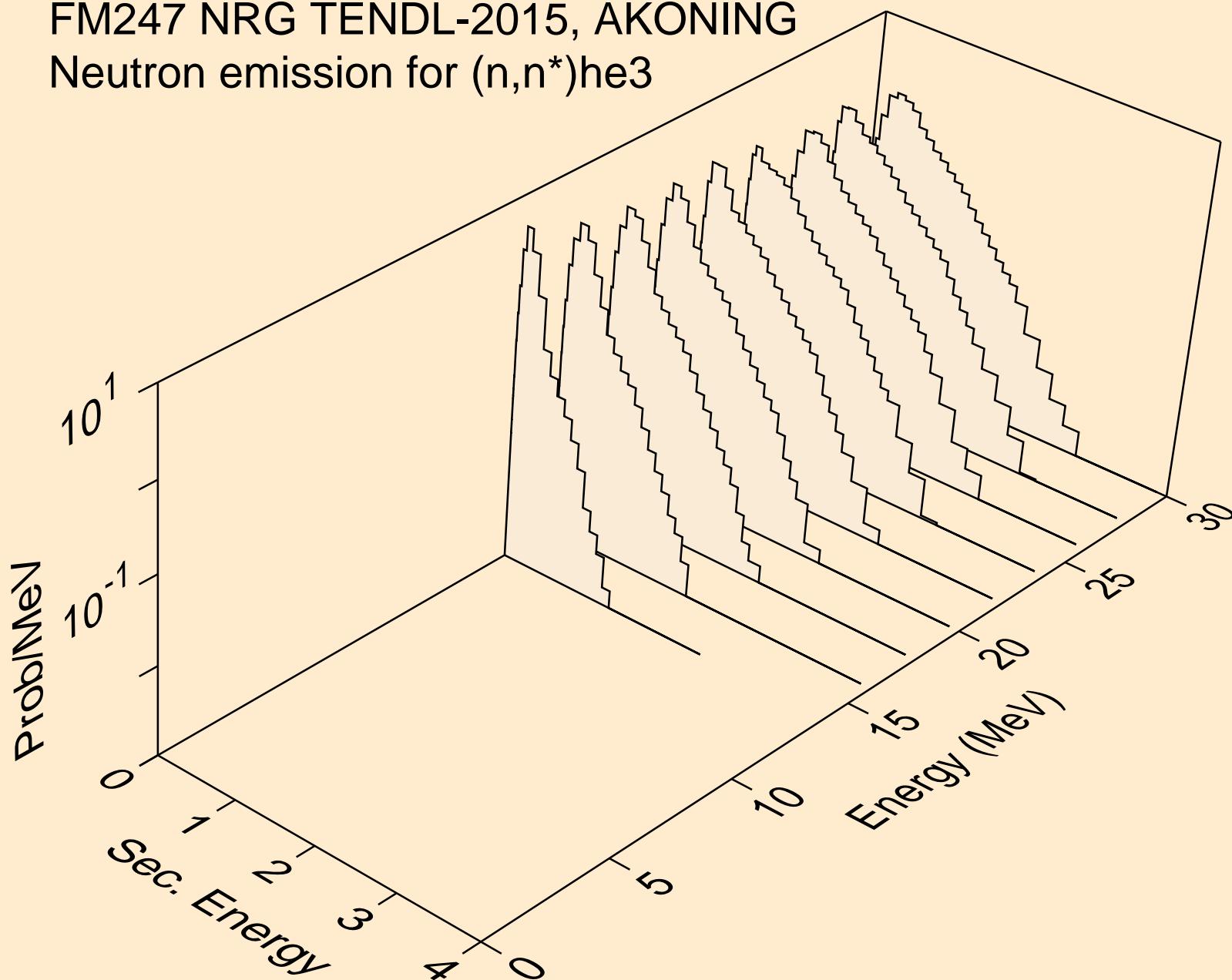
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



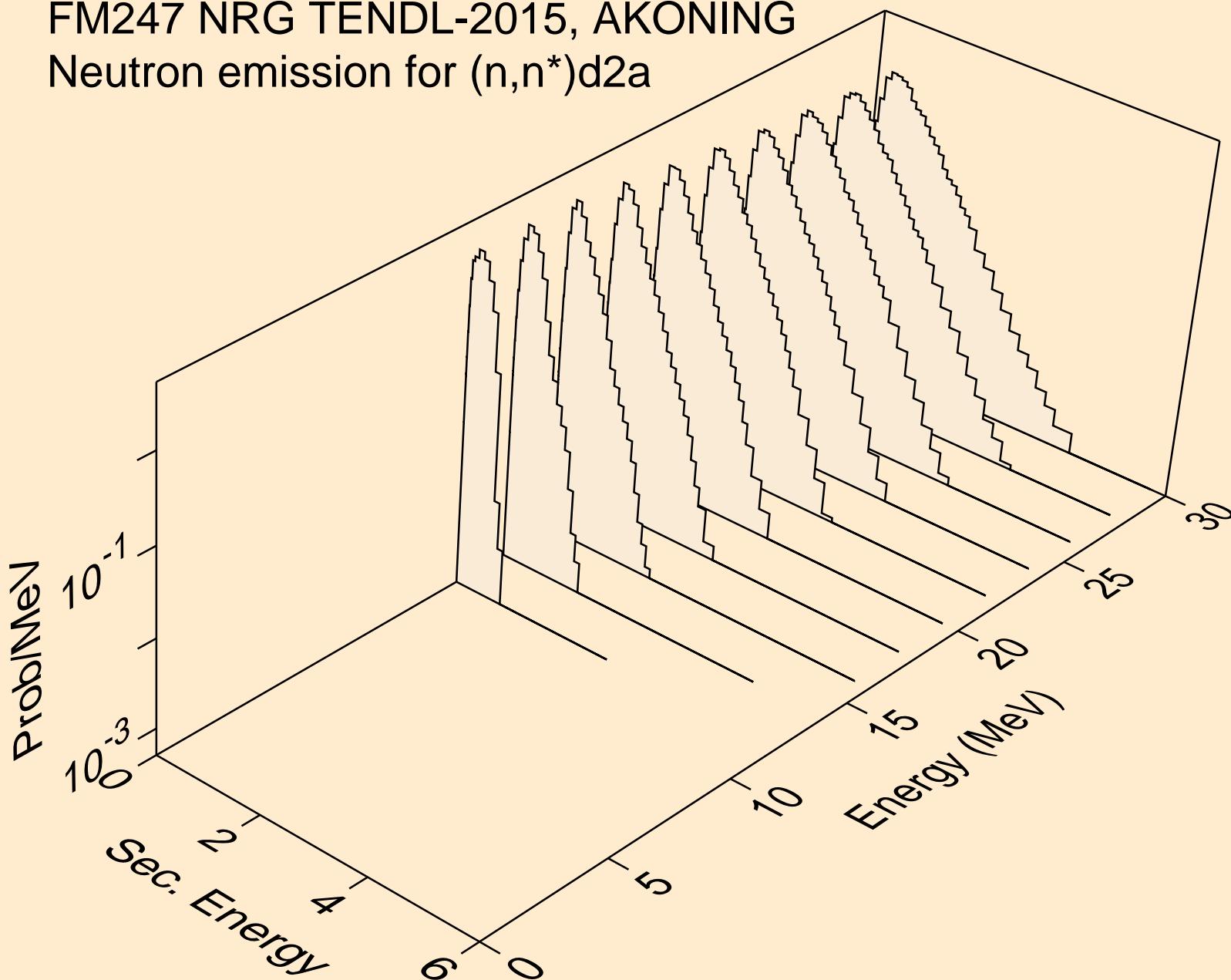
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



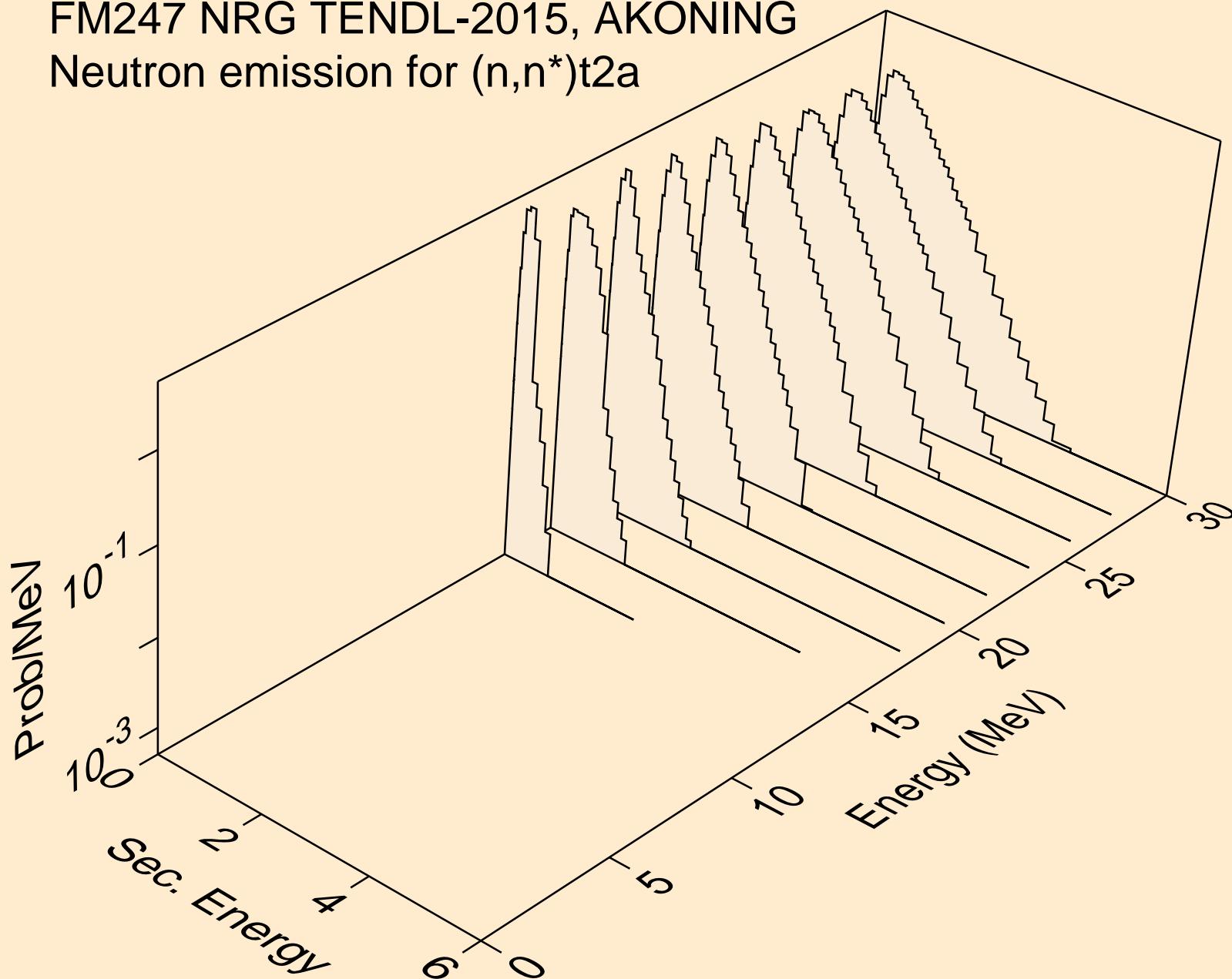
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



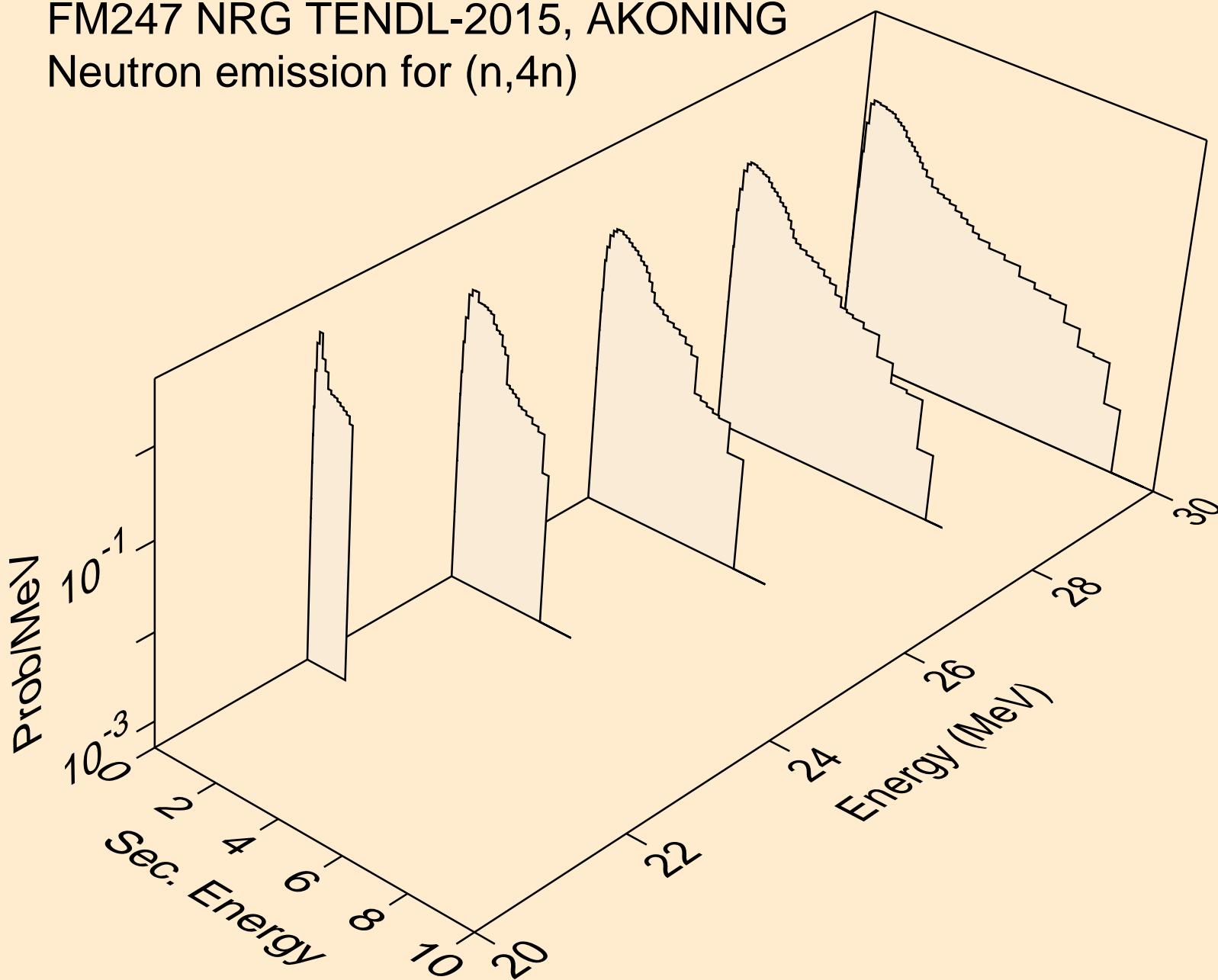
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d2a$



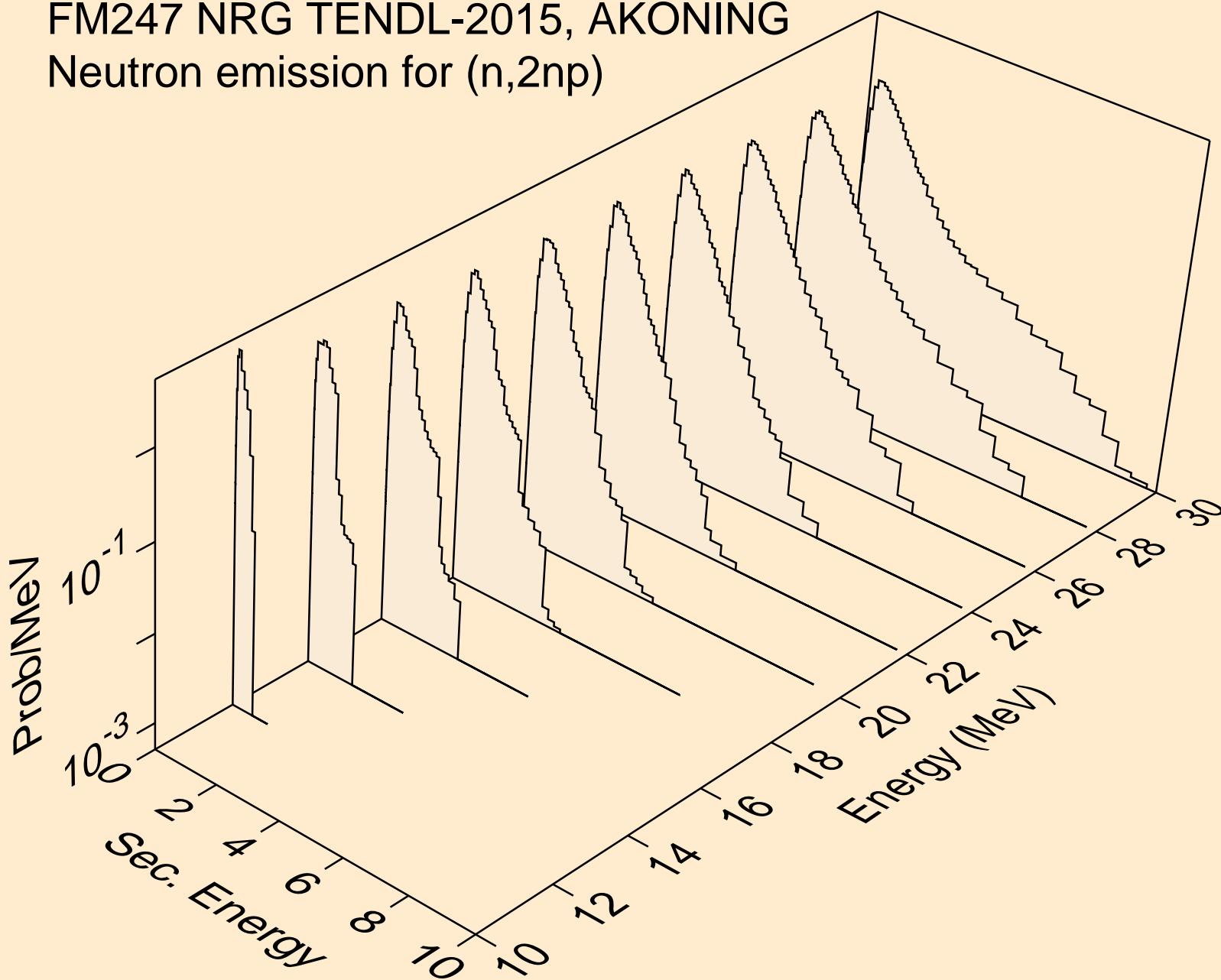
FM247 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t2a$



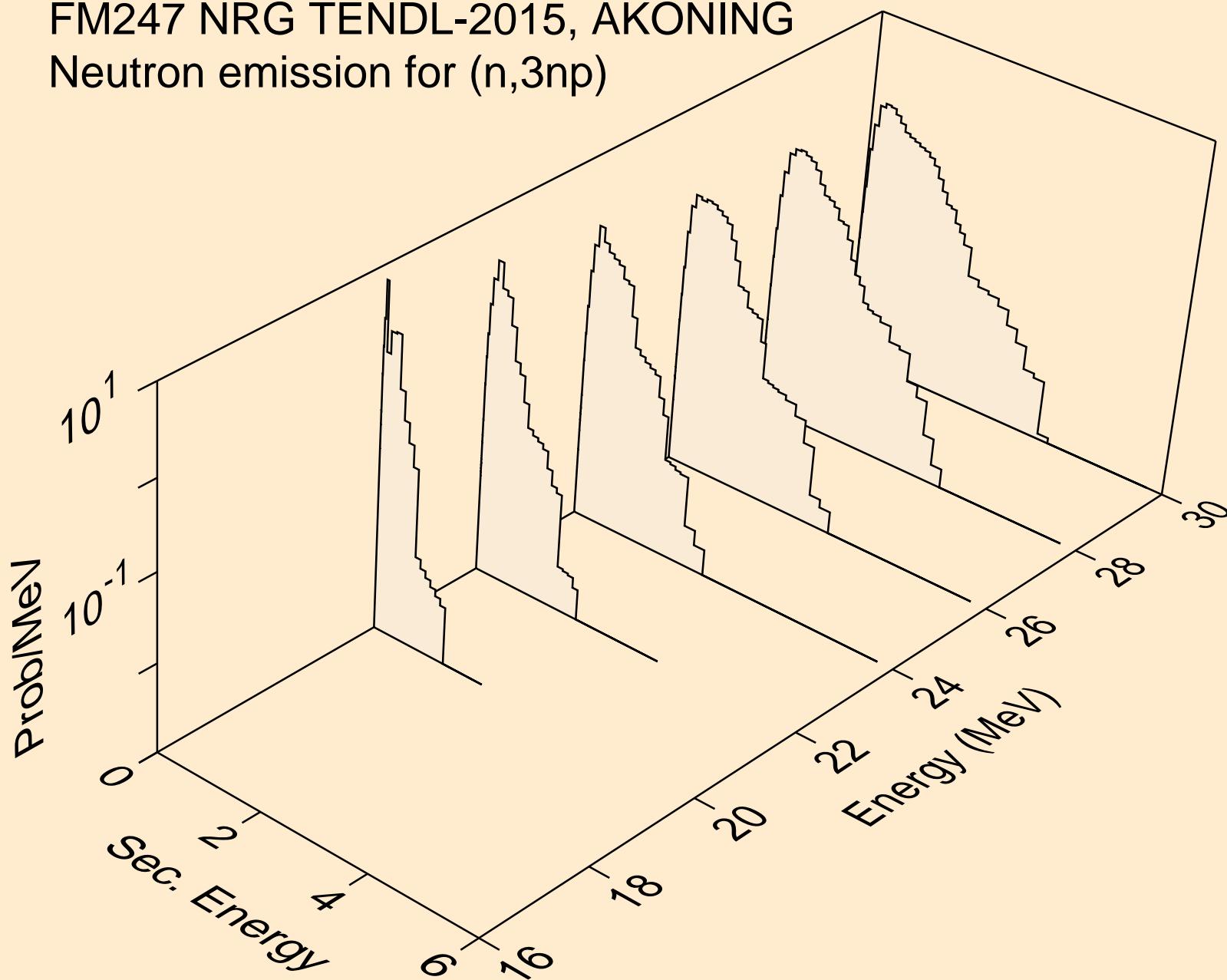
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



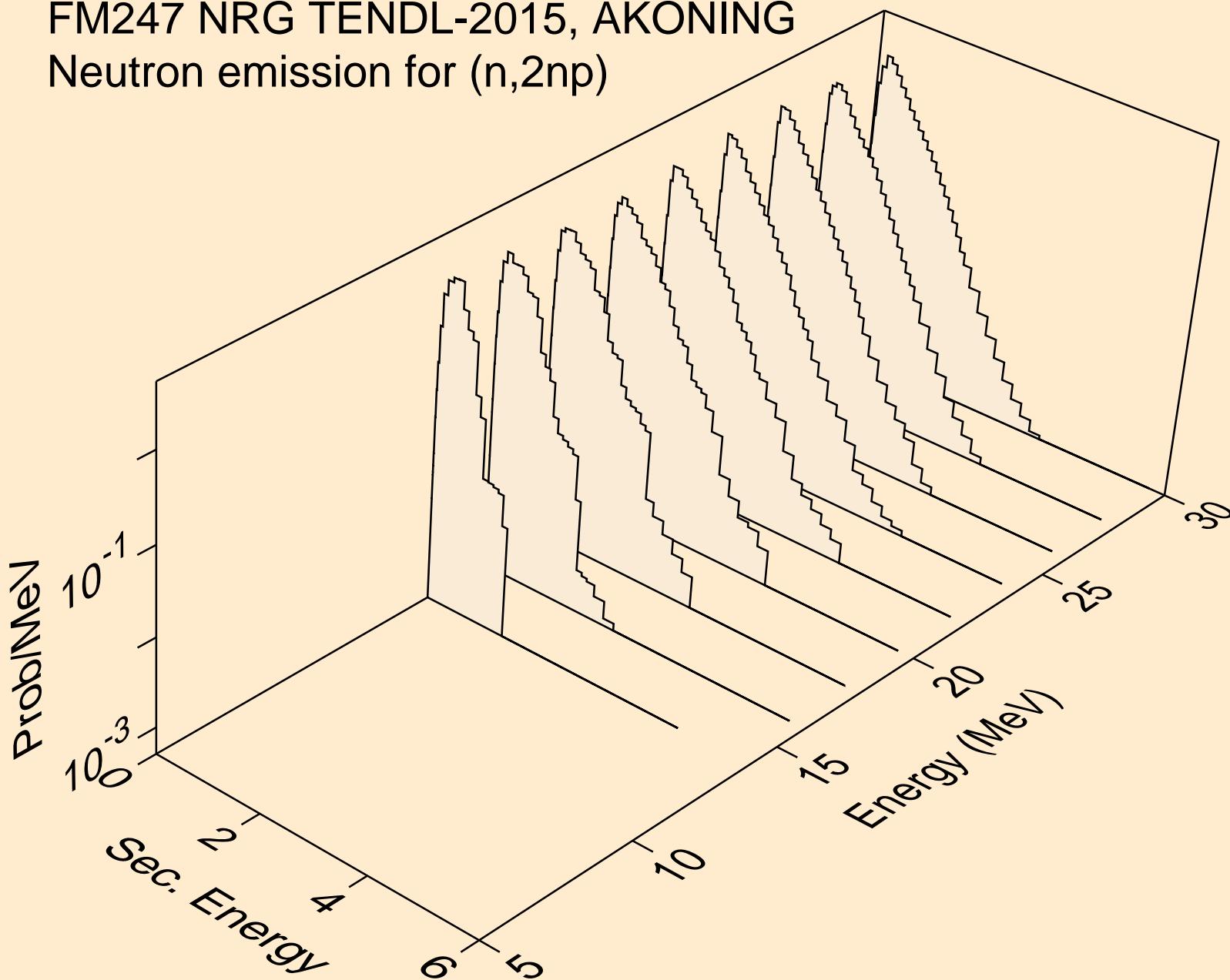
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



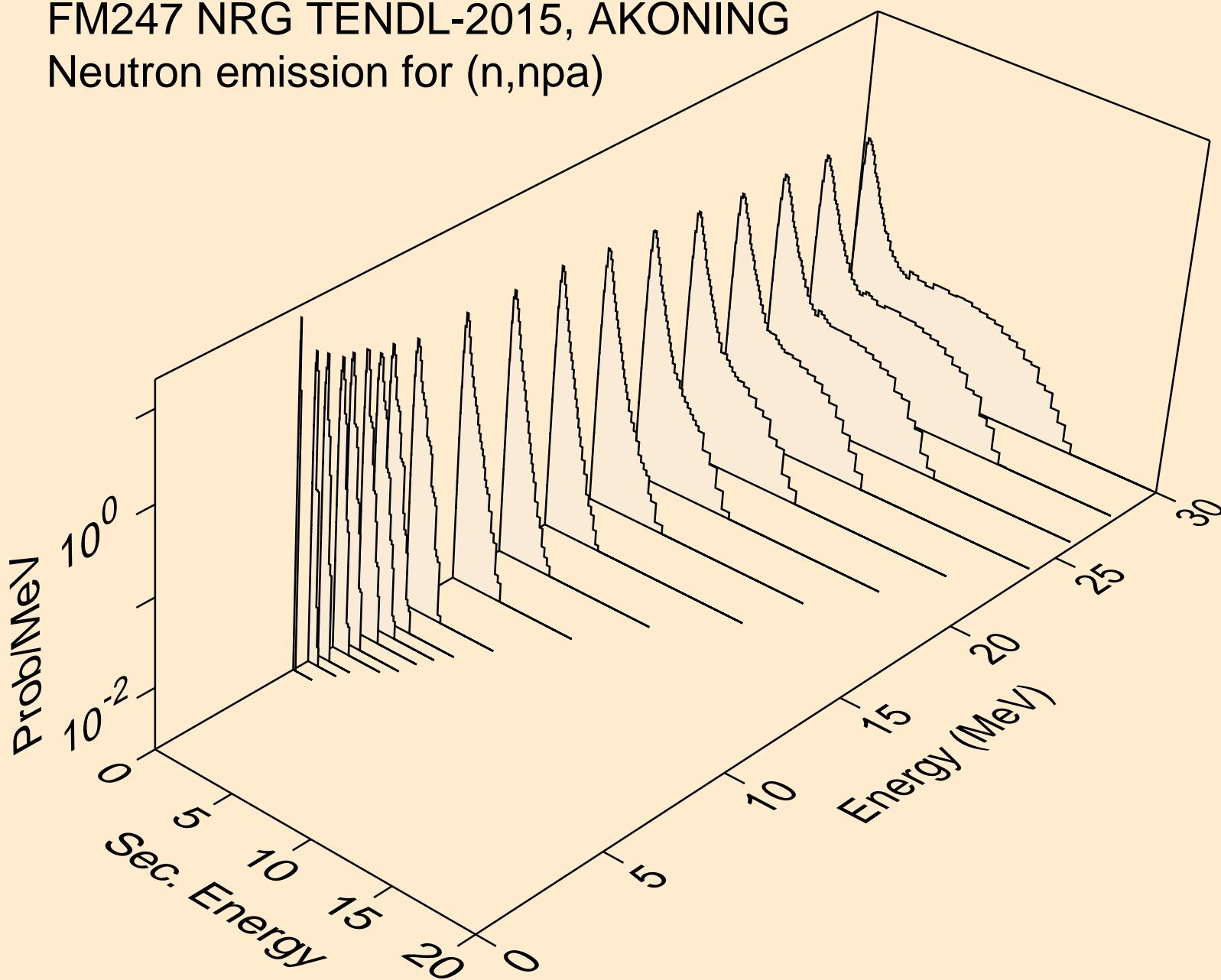
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



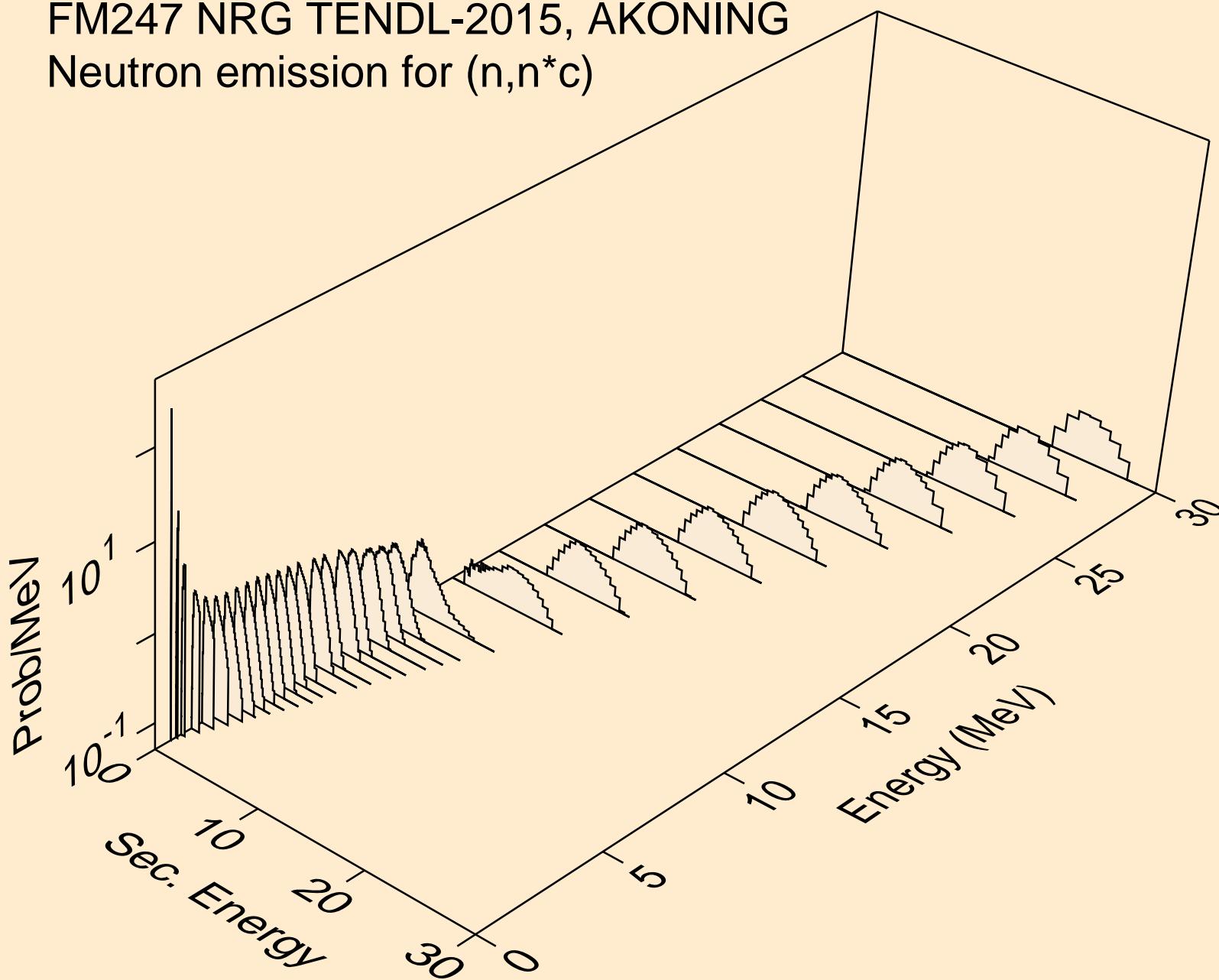
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



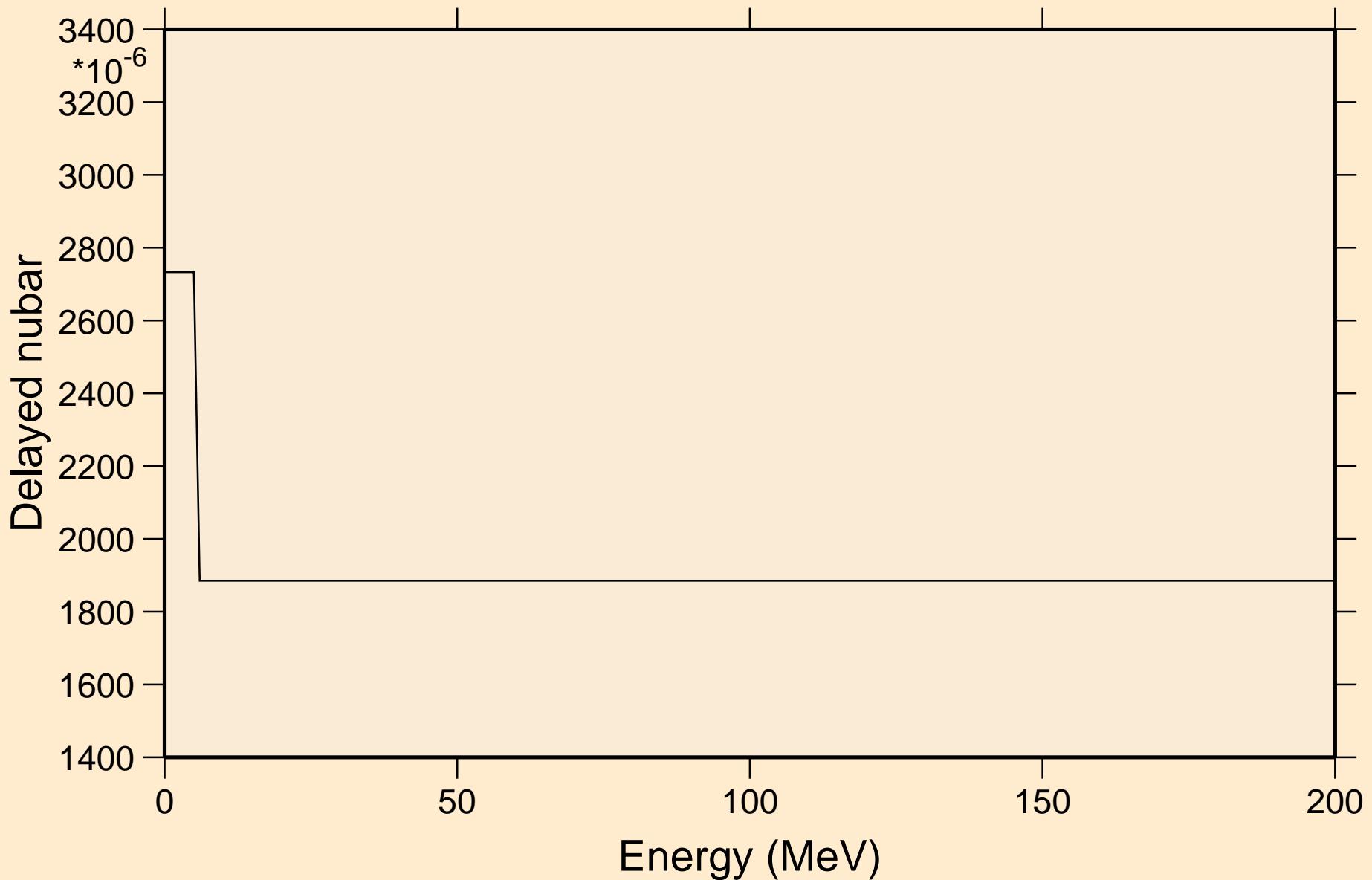
FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



FM247 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

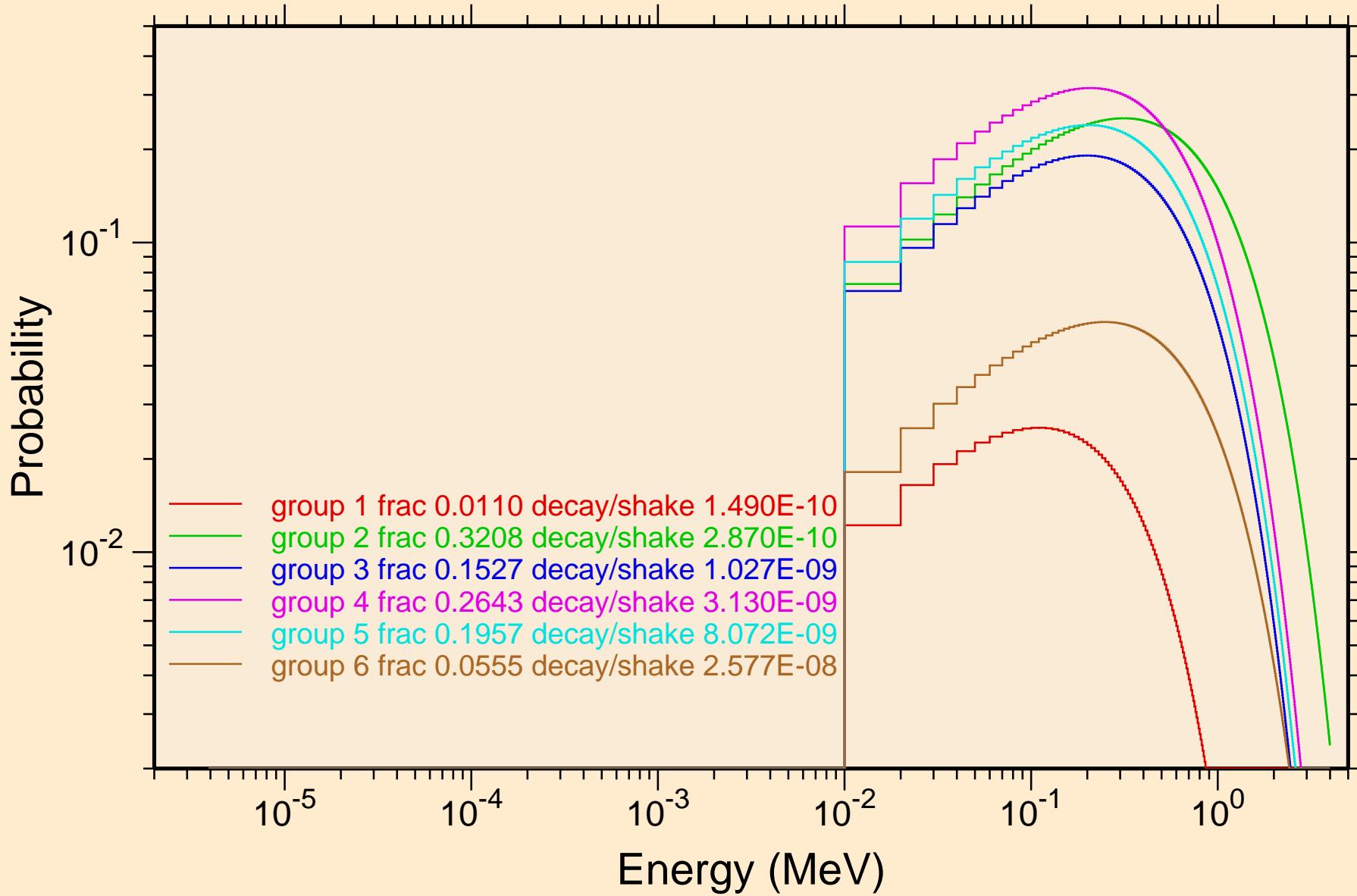


FM247 NRG TENDL-2015, AKONING  
Delayed nubar

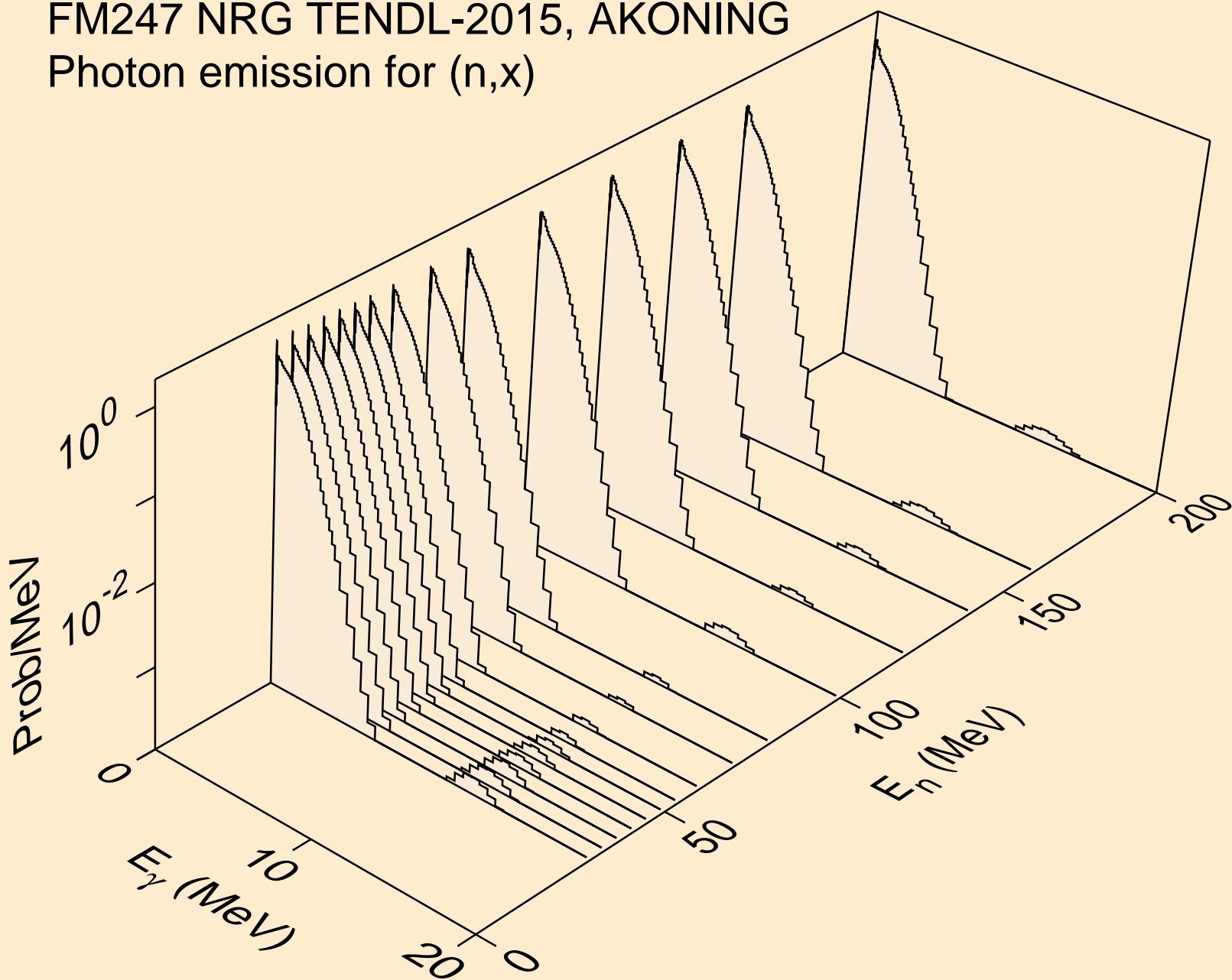


# FM247 NRG TENDL-2015, AKONING

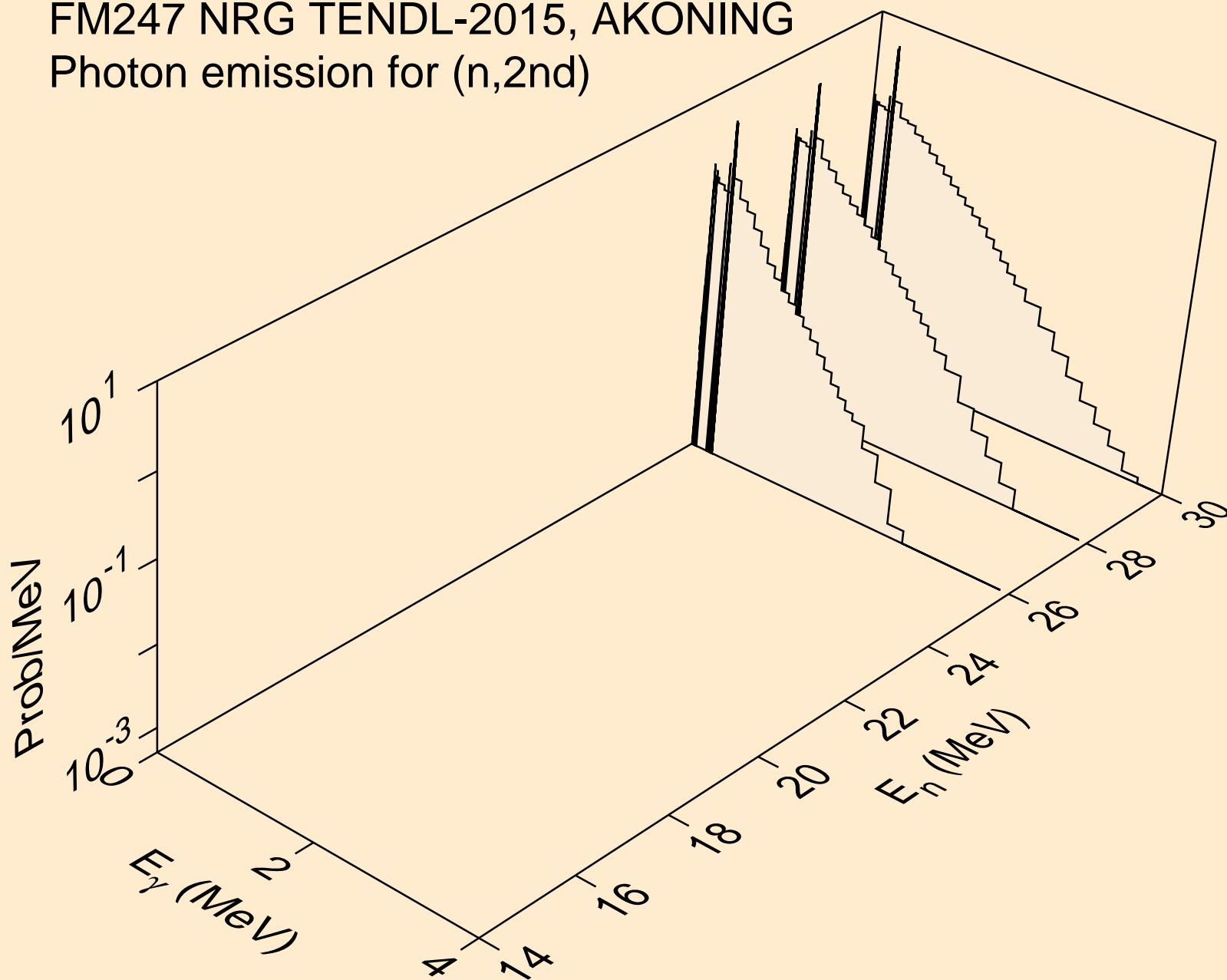
## Delayed neutron spectra



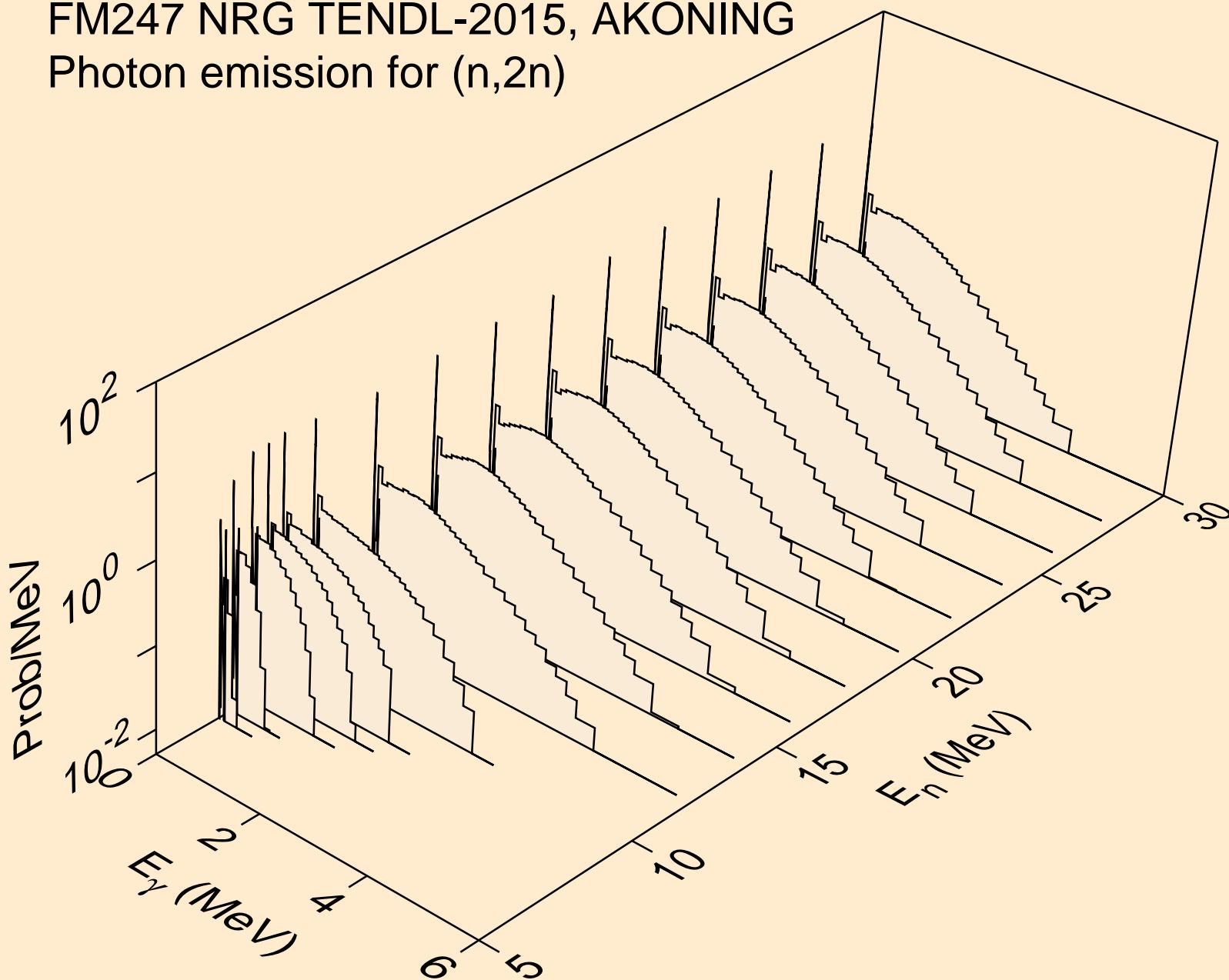
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



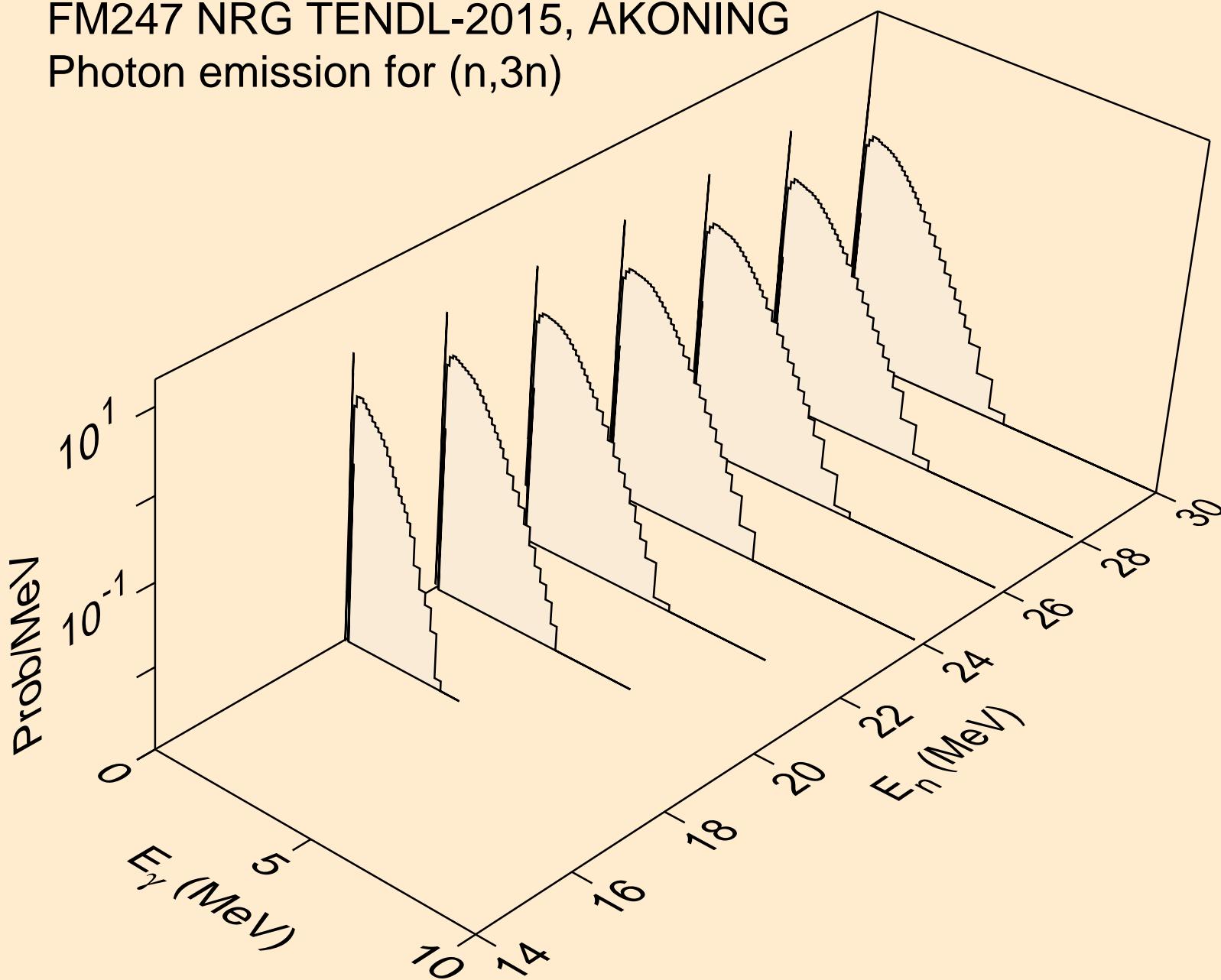
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



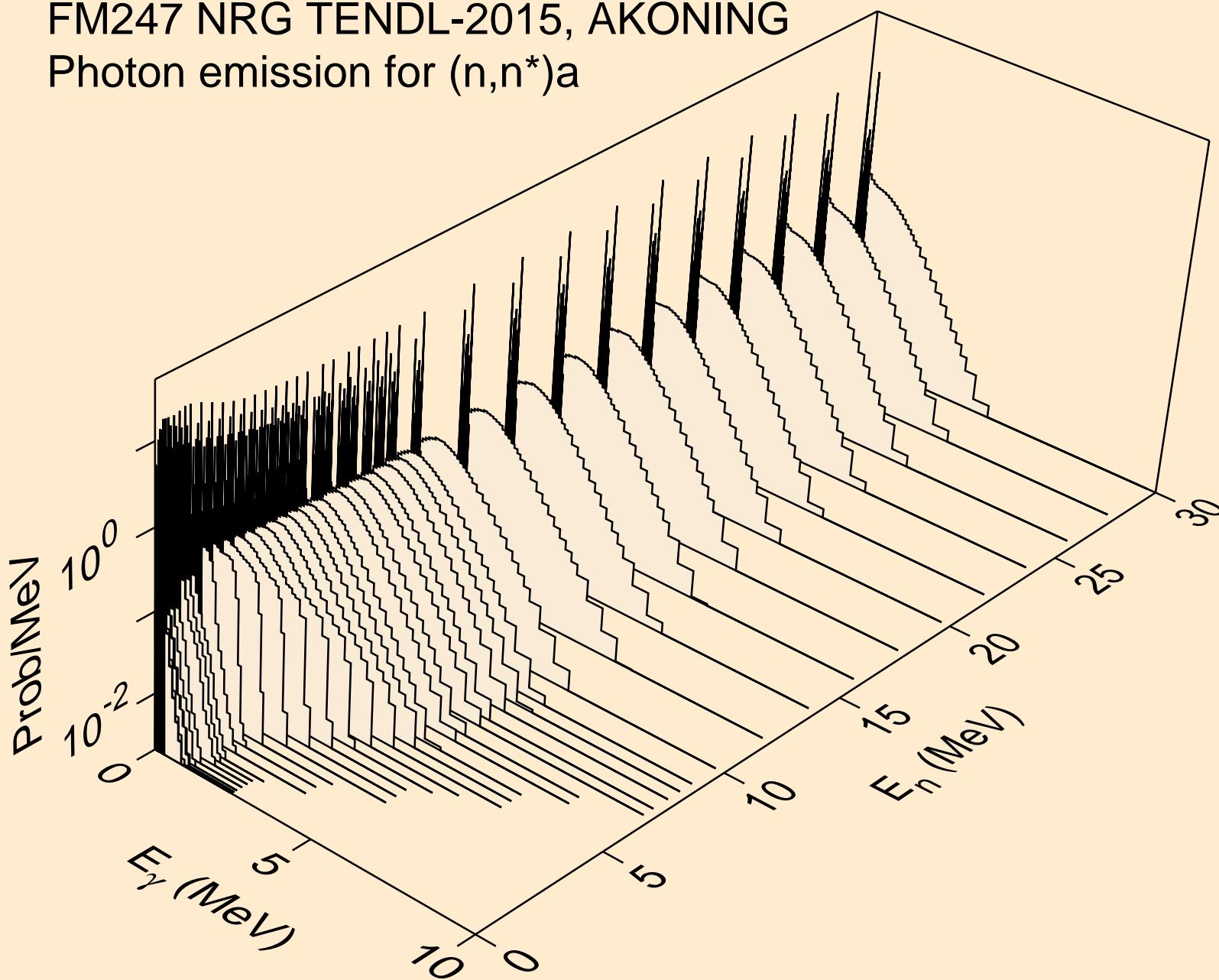
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



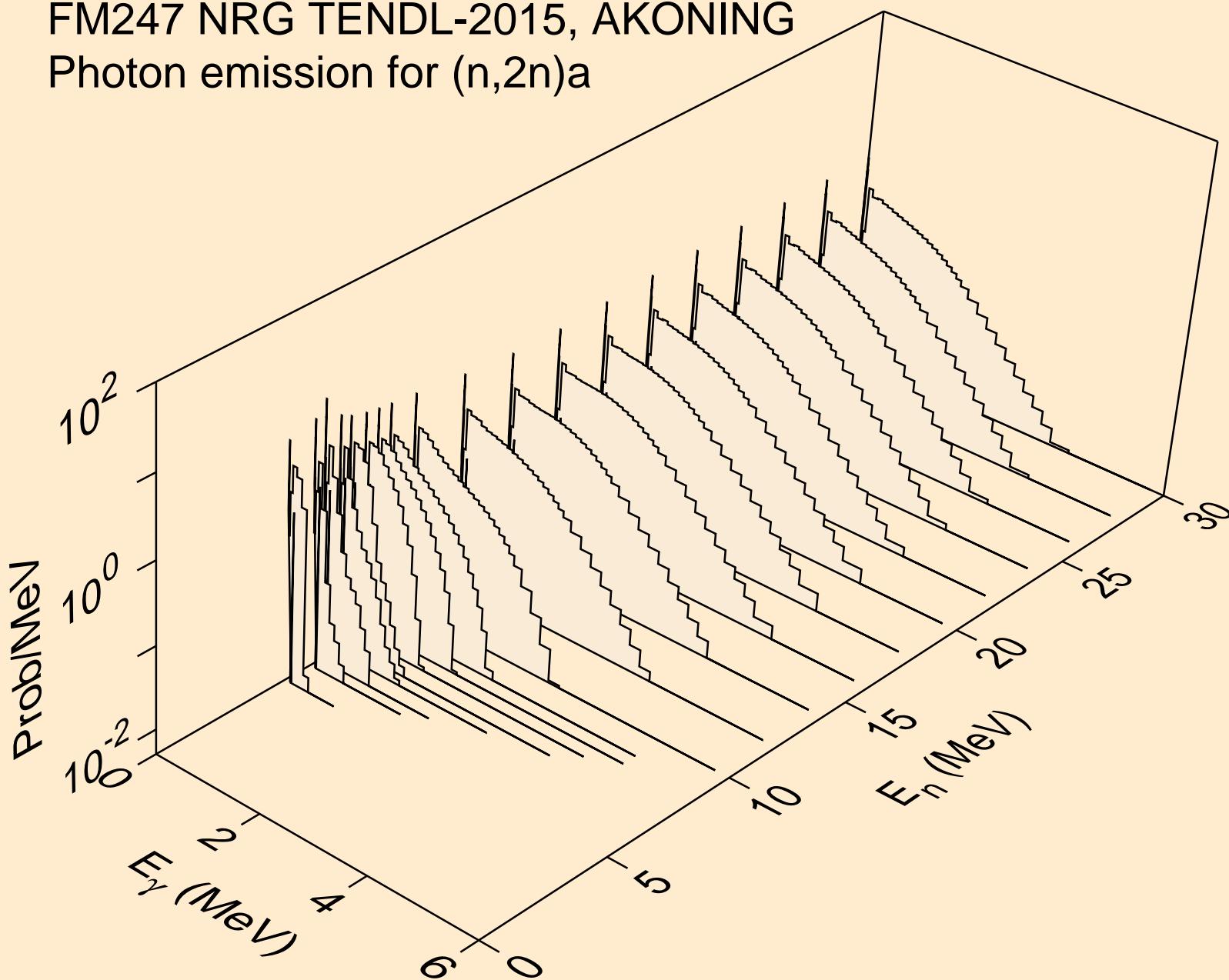
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



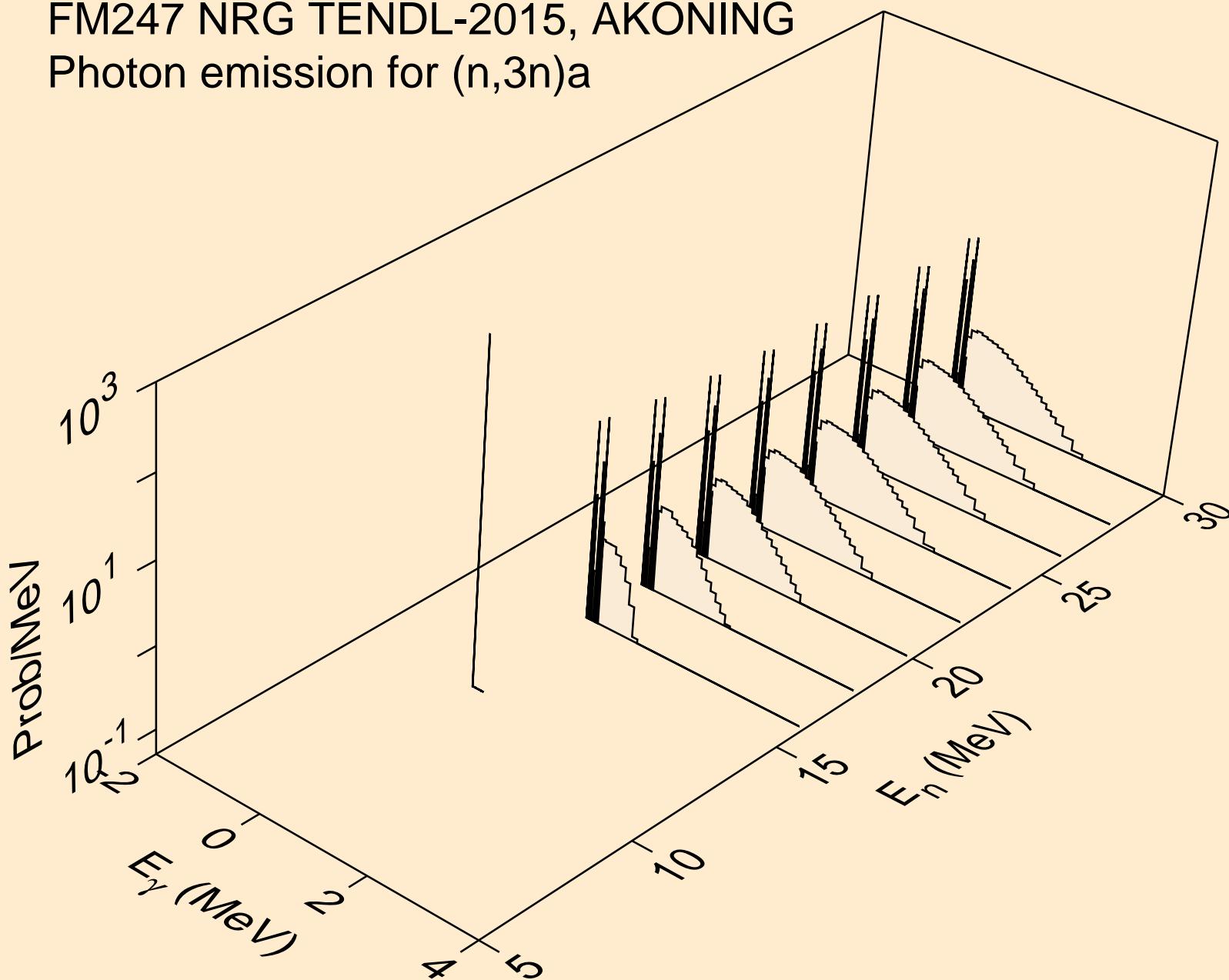
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



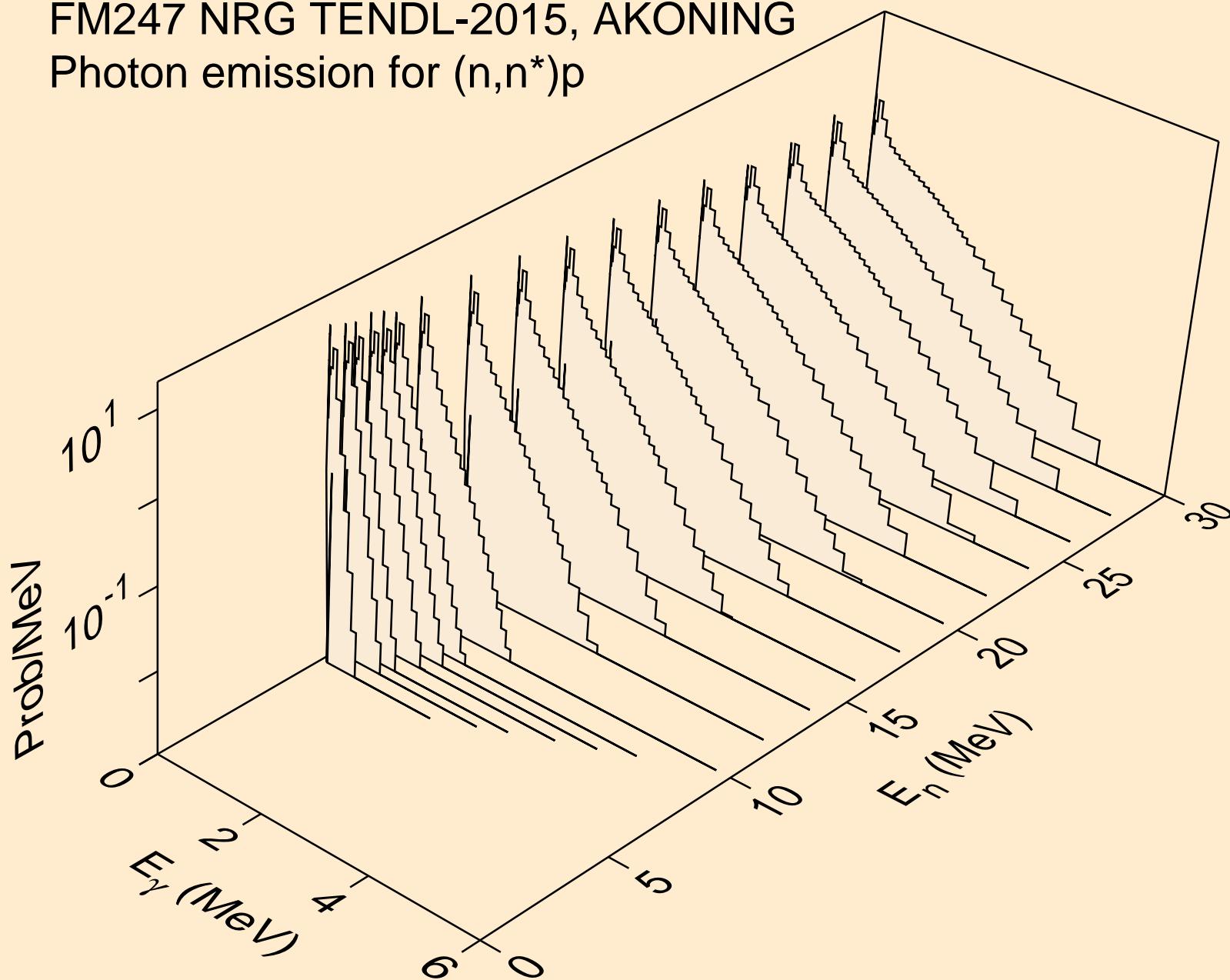
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



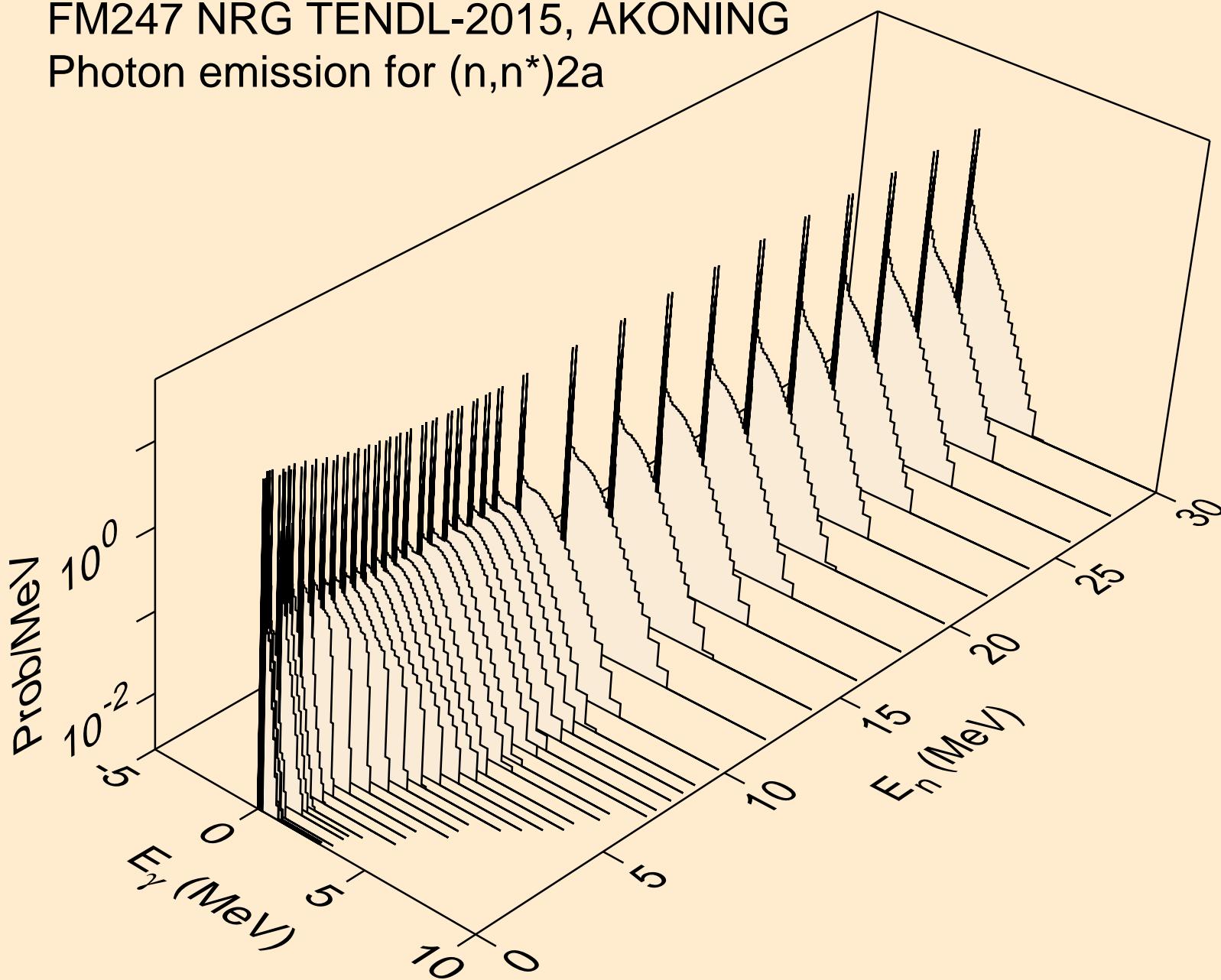
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



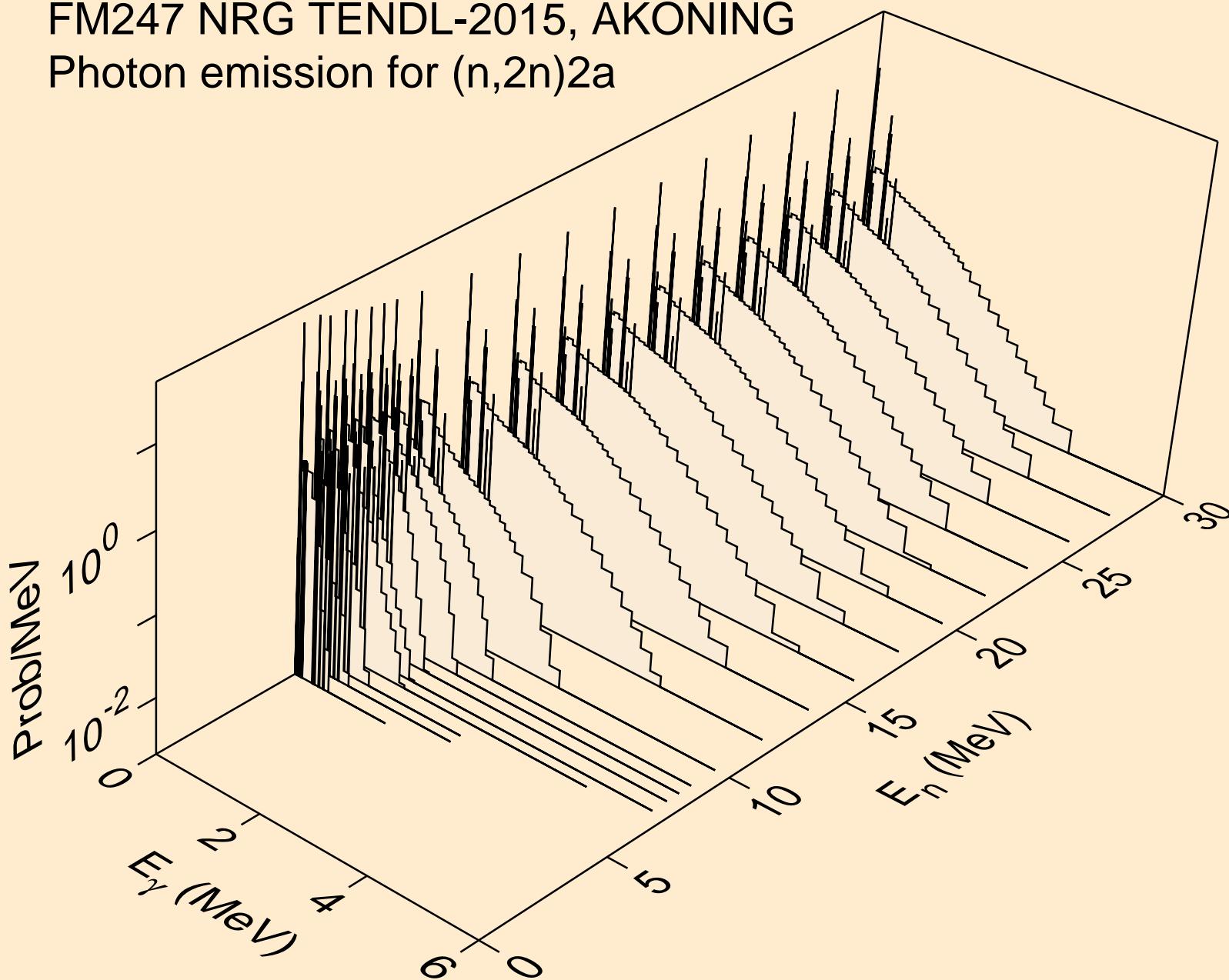
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



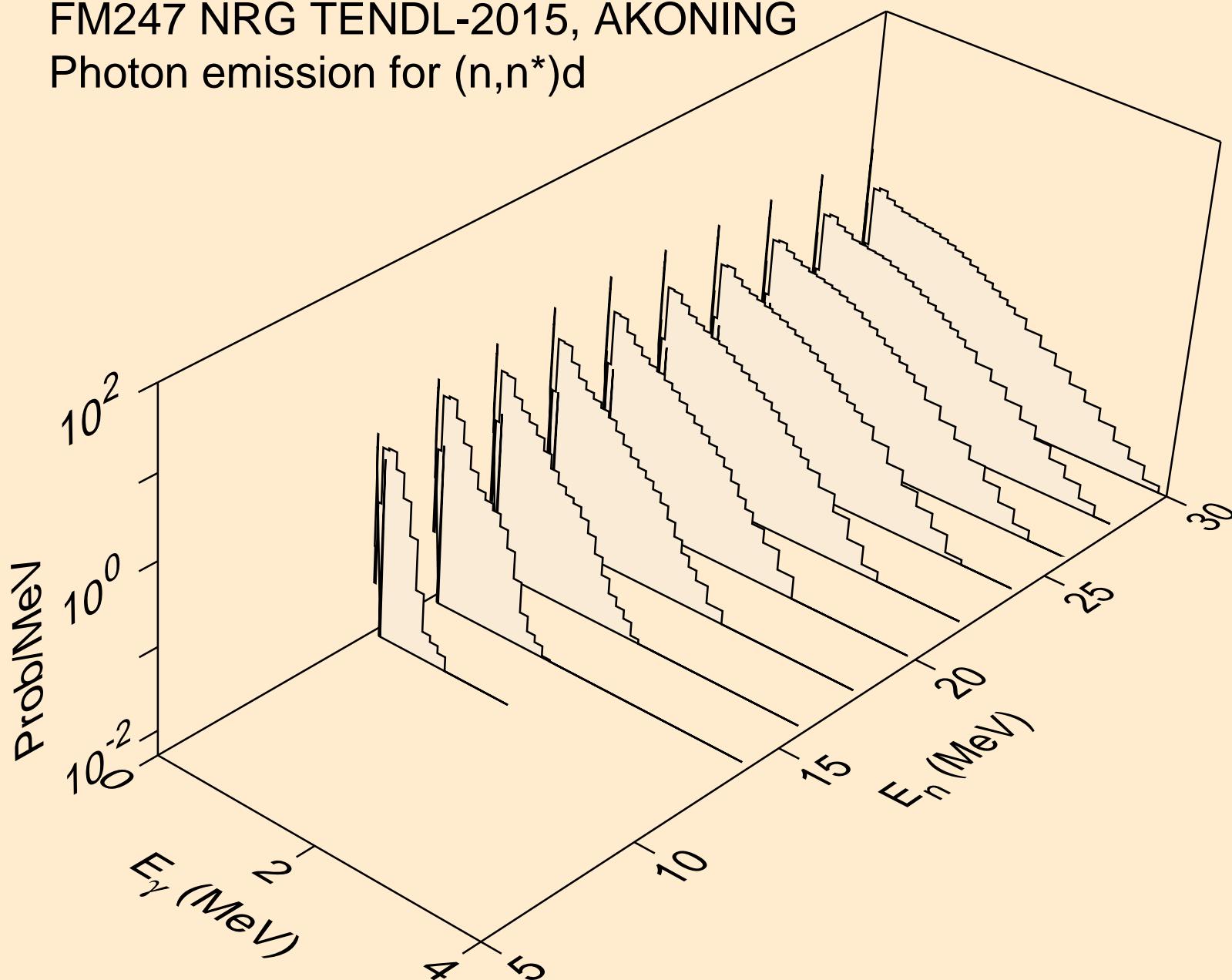
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



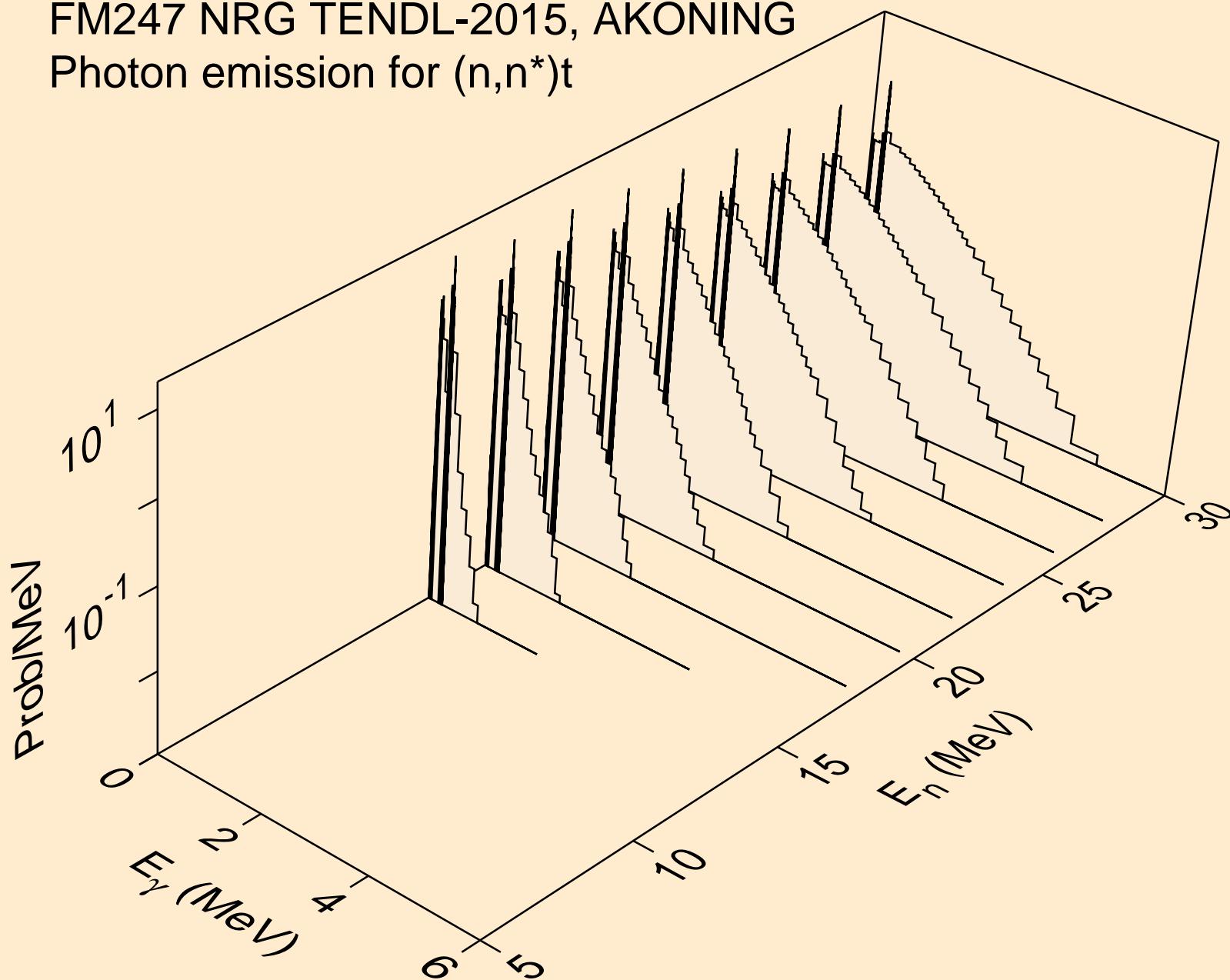
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,2n)2a$



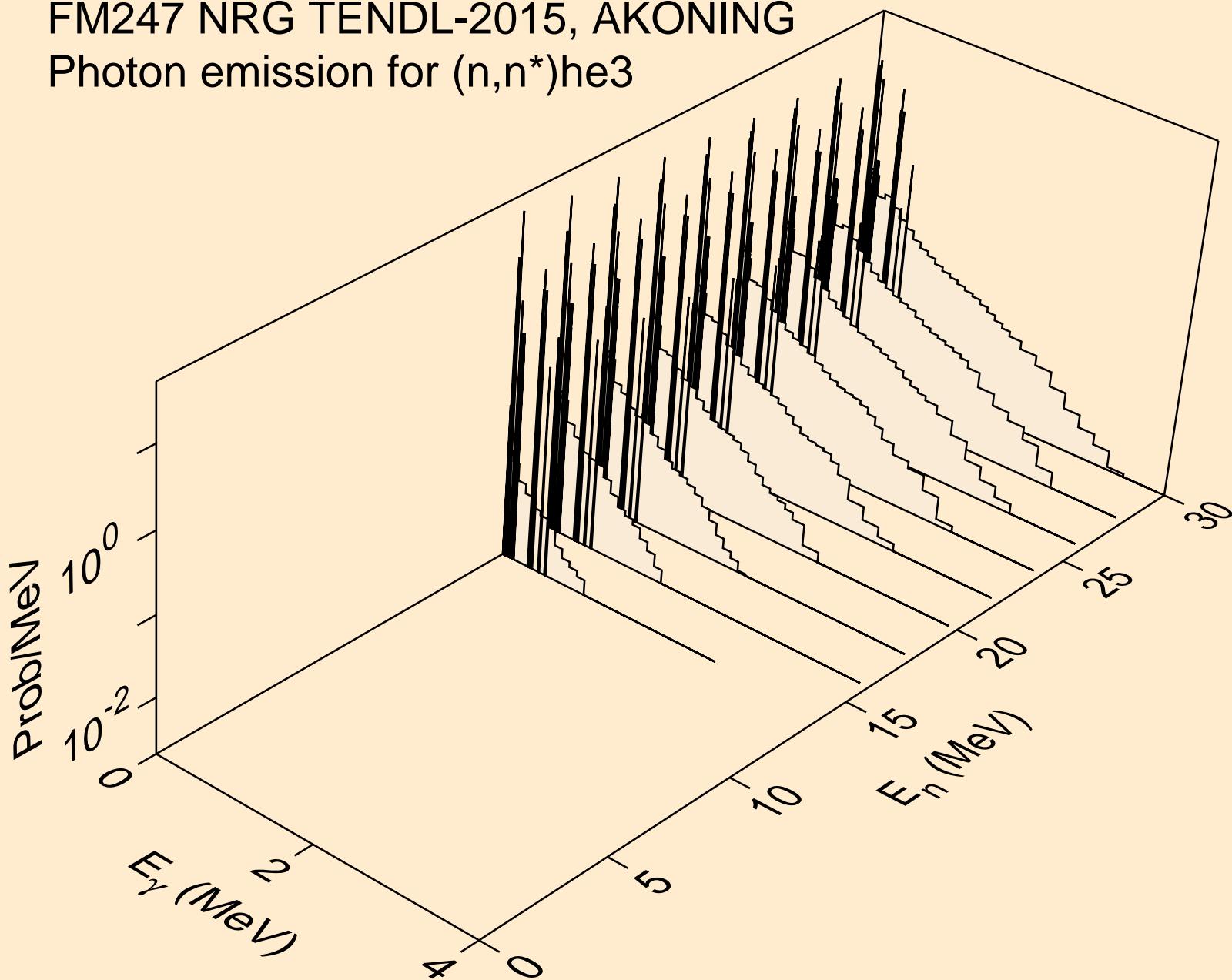
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d$



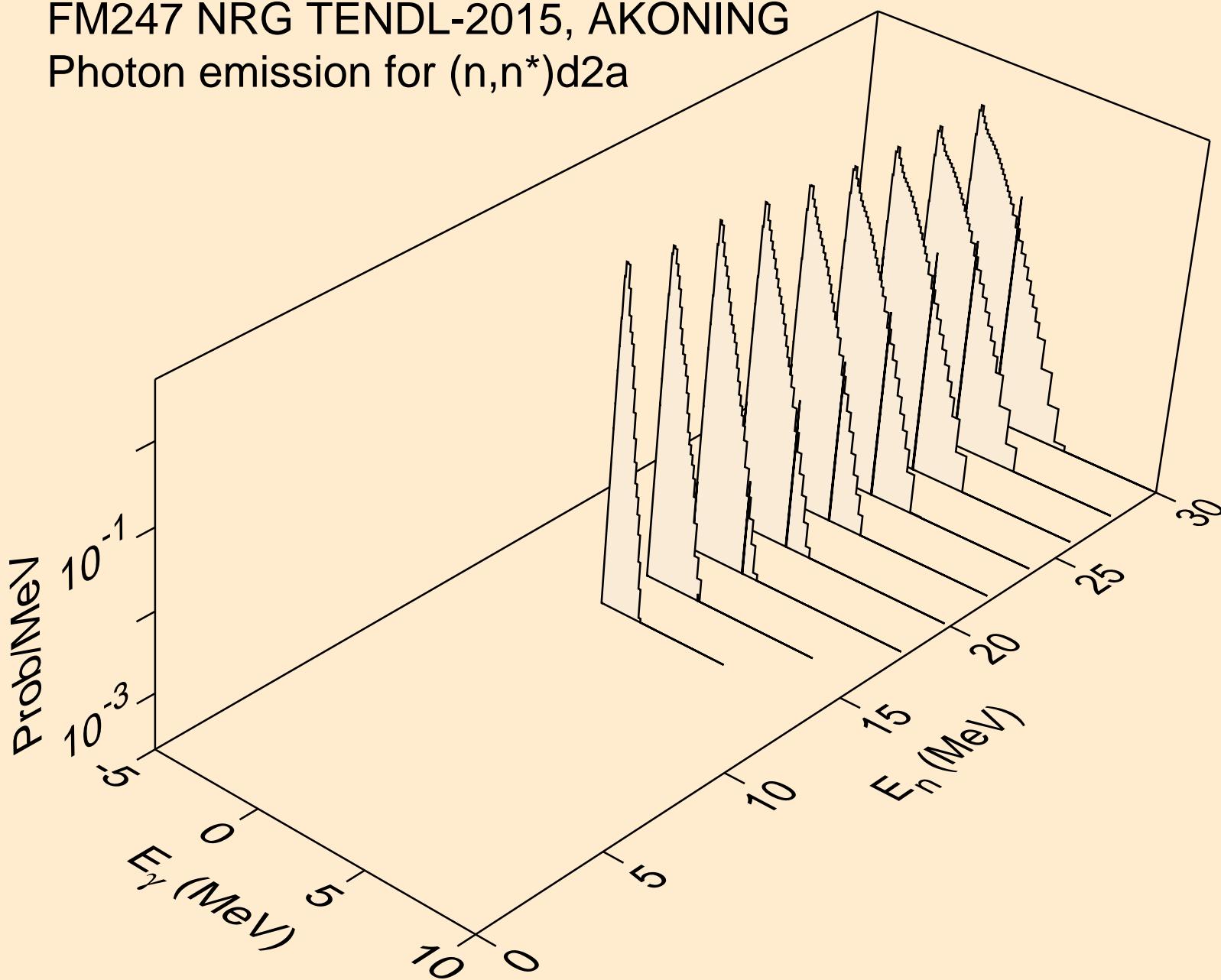
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



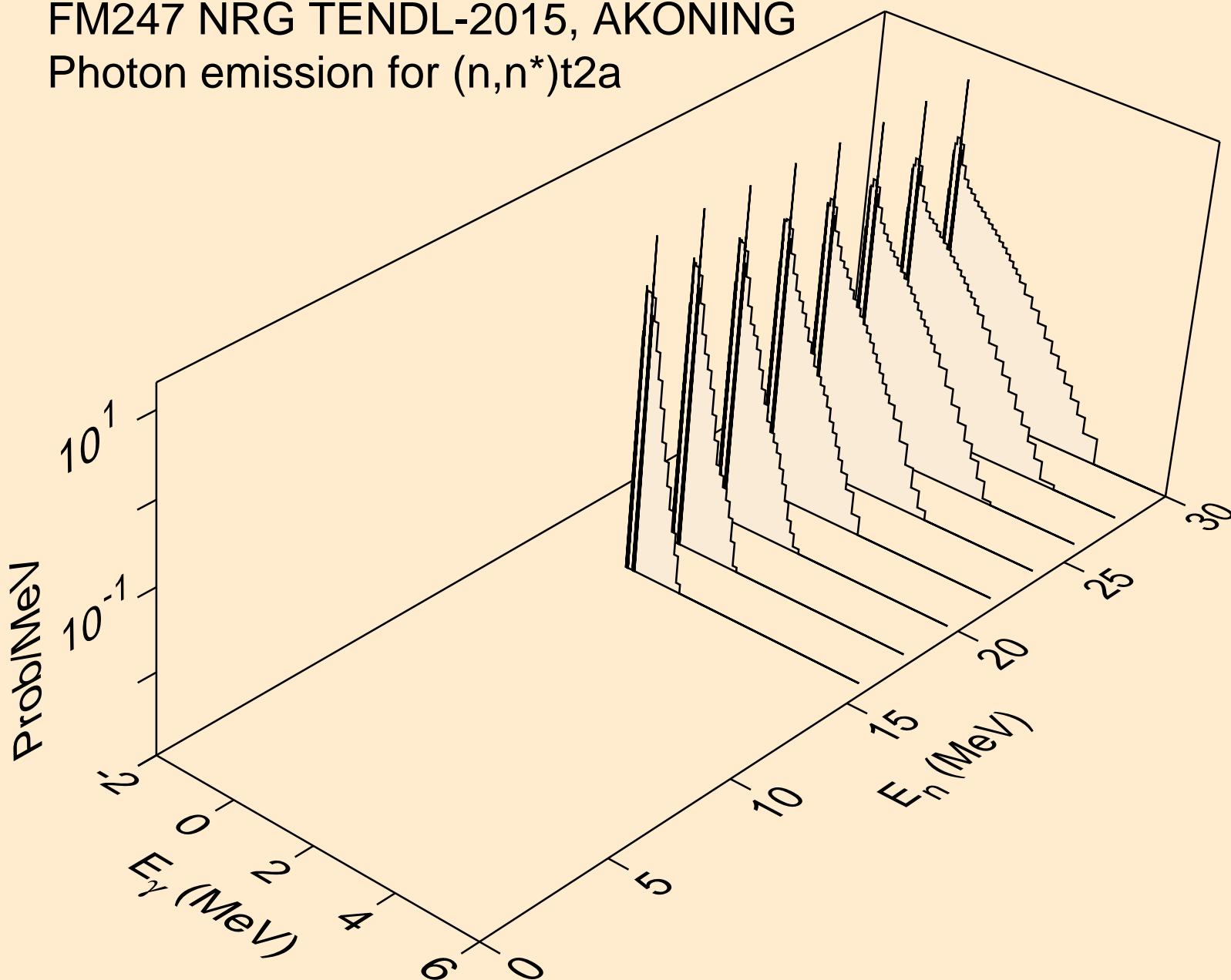
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



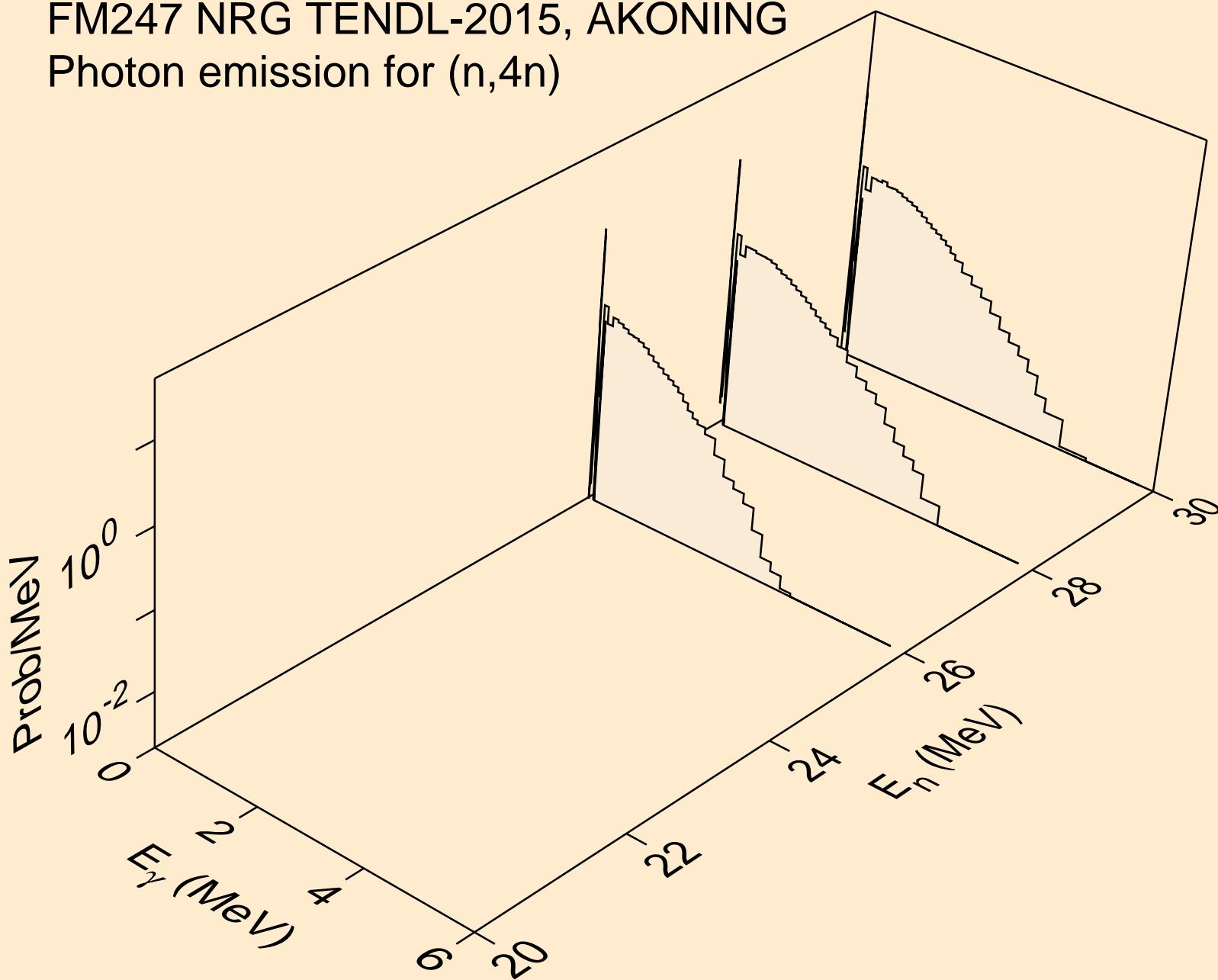
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d2a$



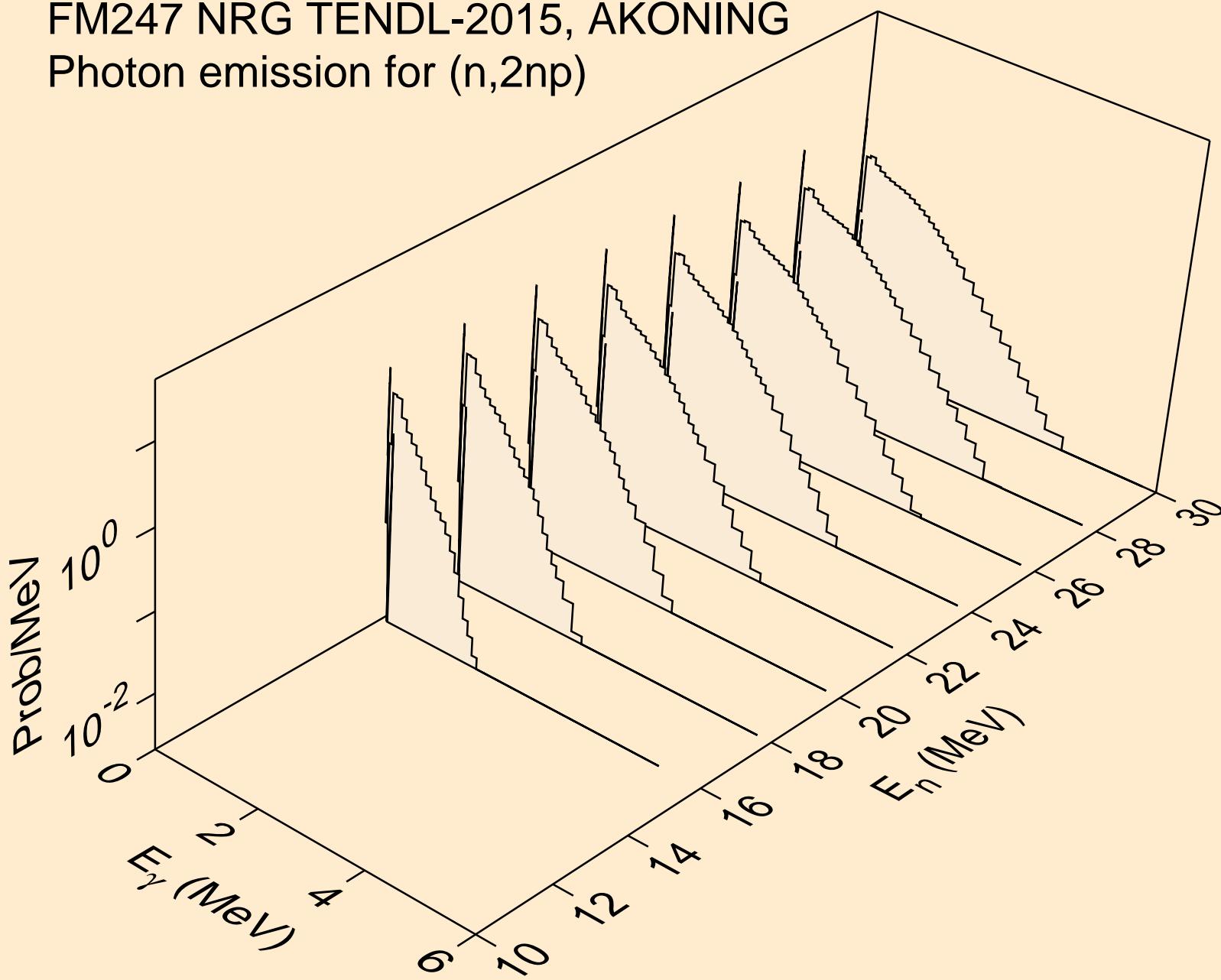
FM247 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t2a$



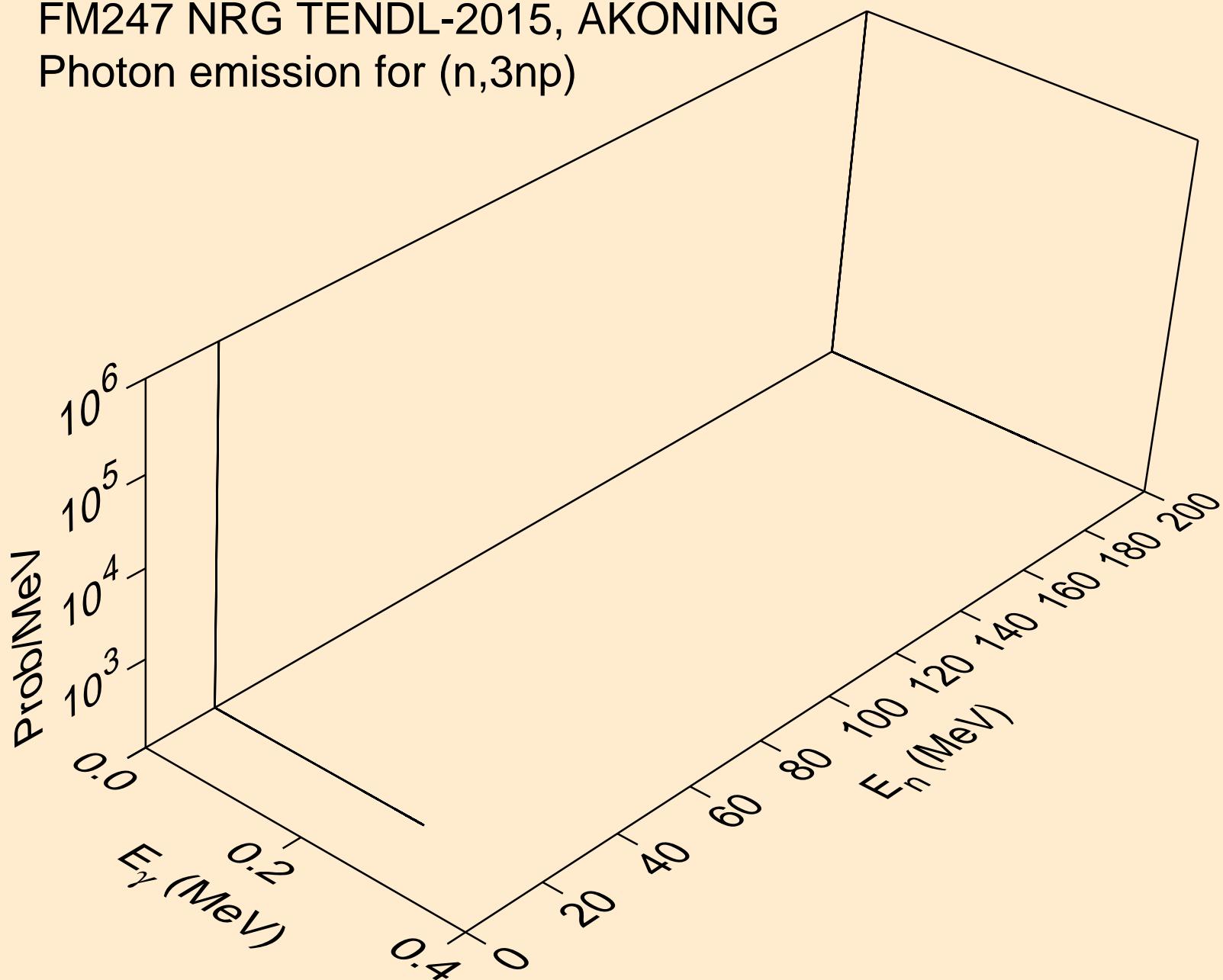
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



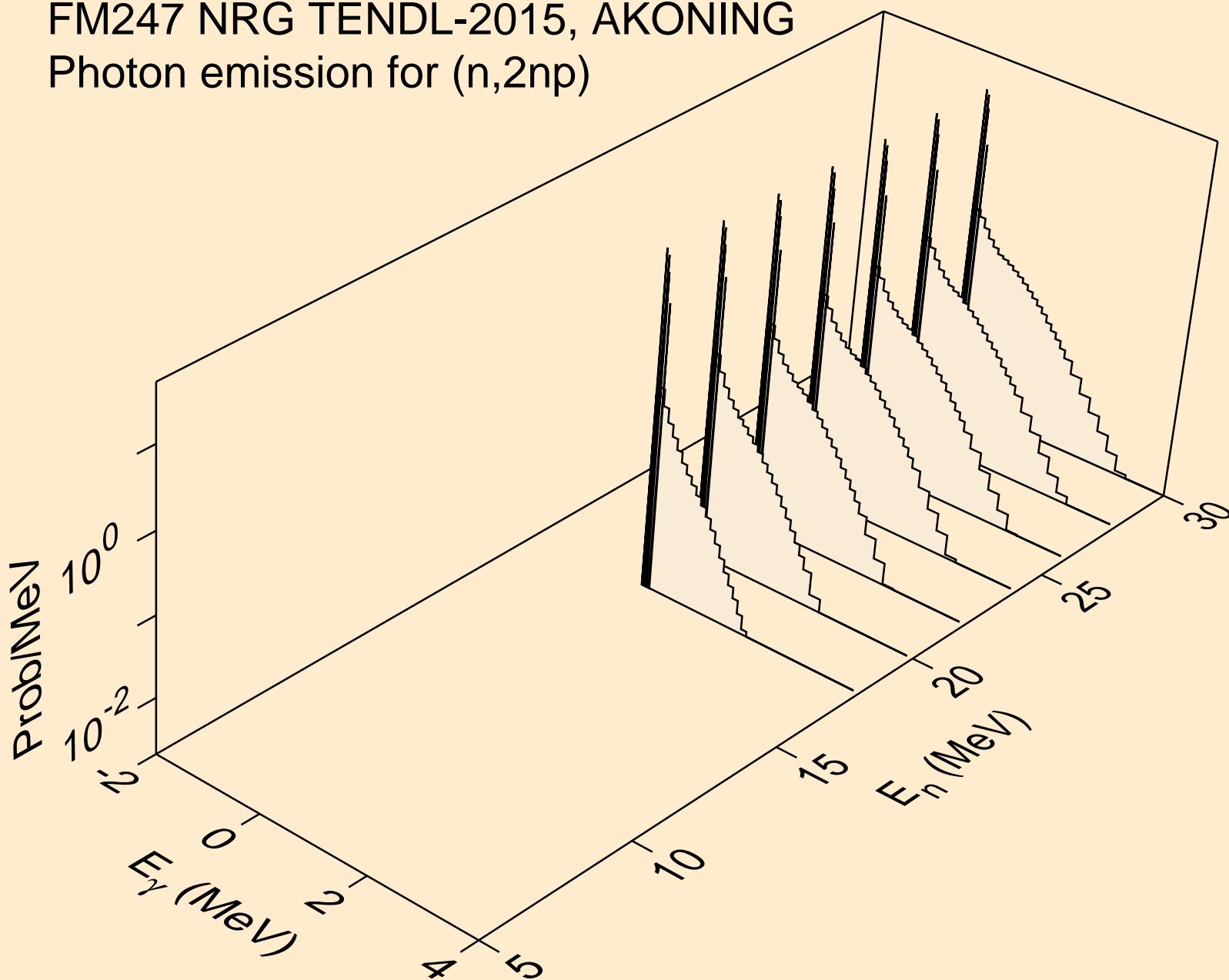
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



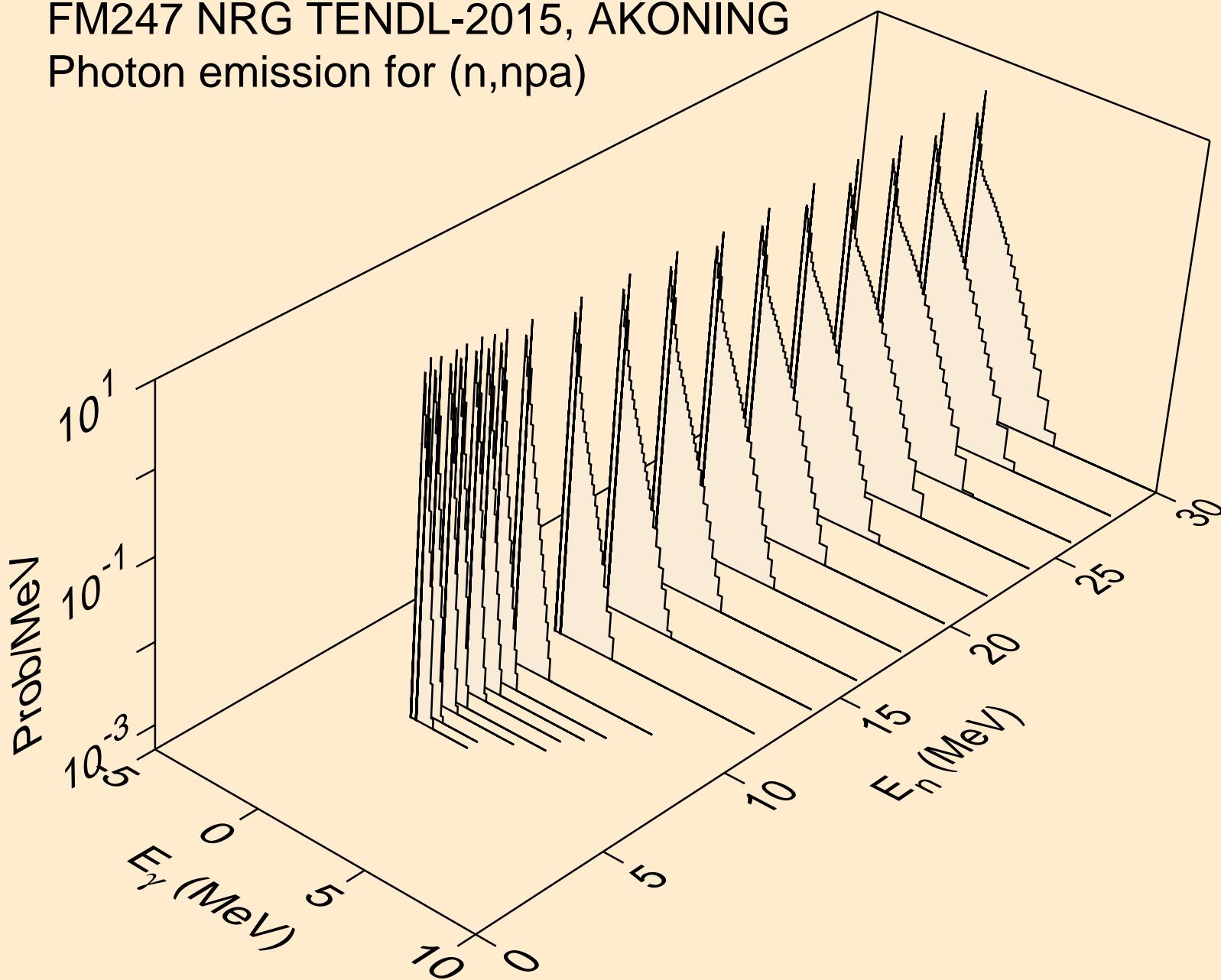
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



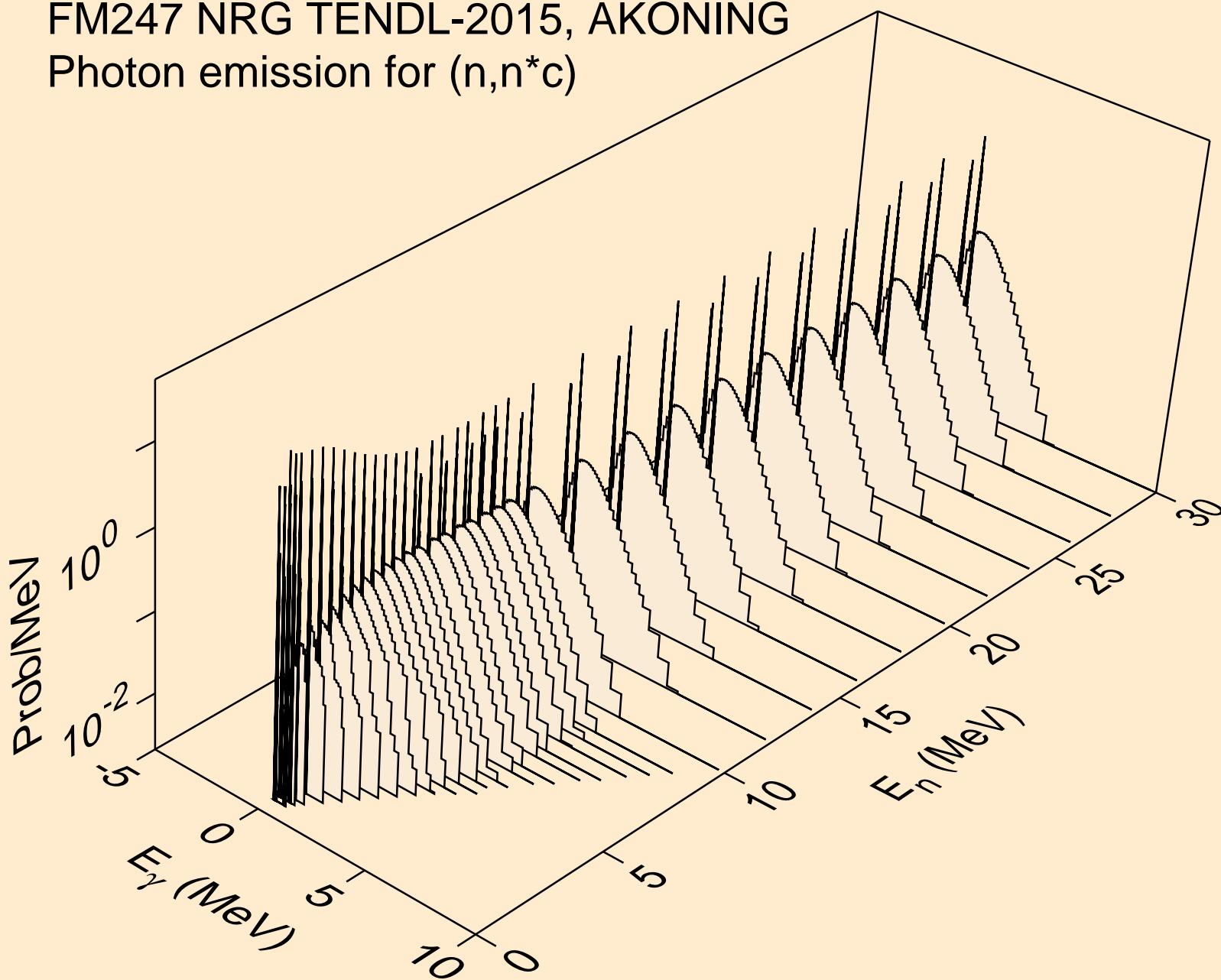
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Photon emission for (n,2np)



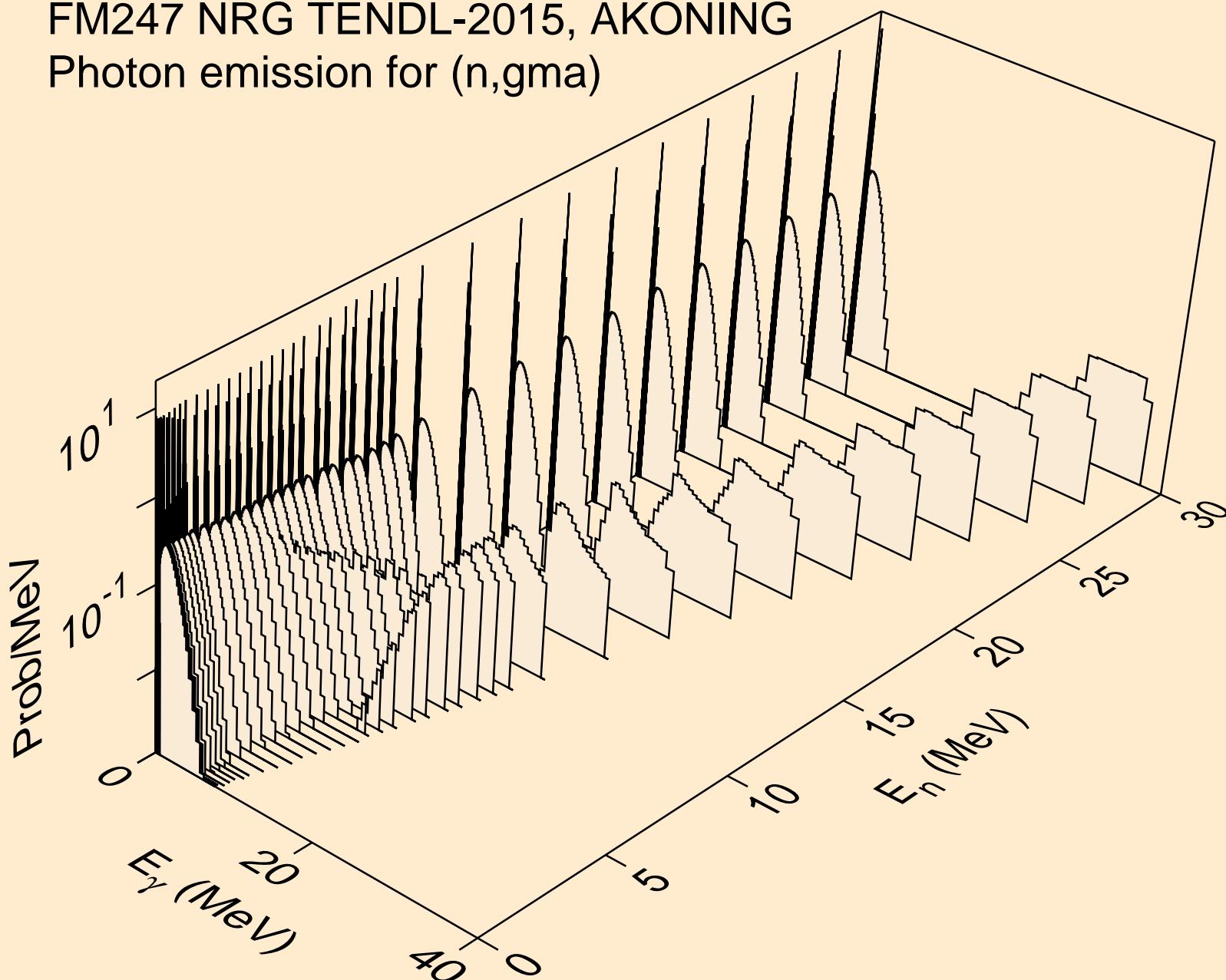
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



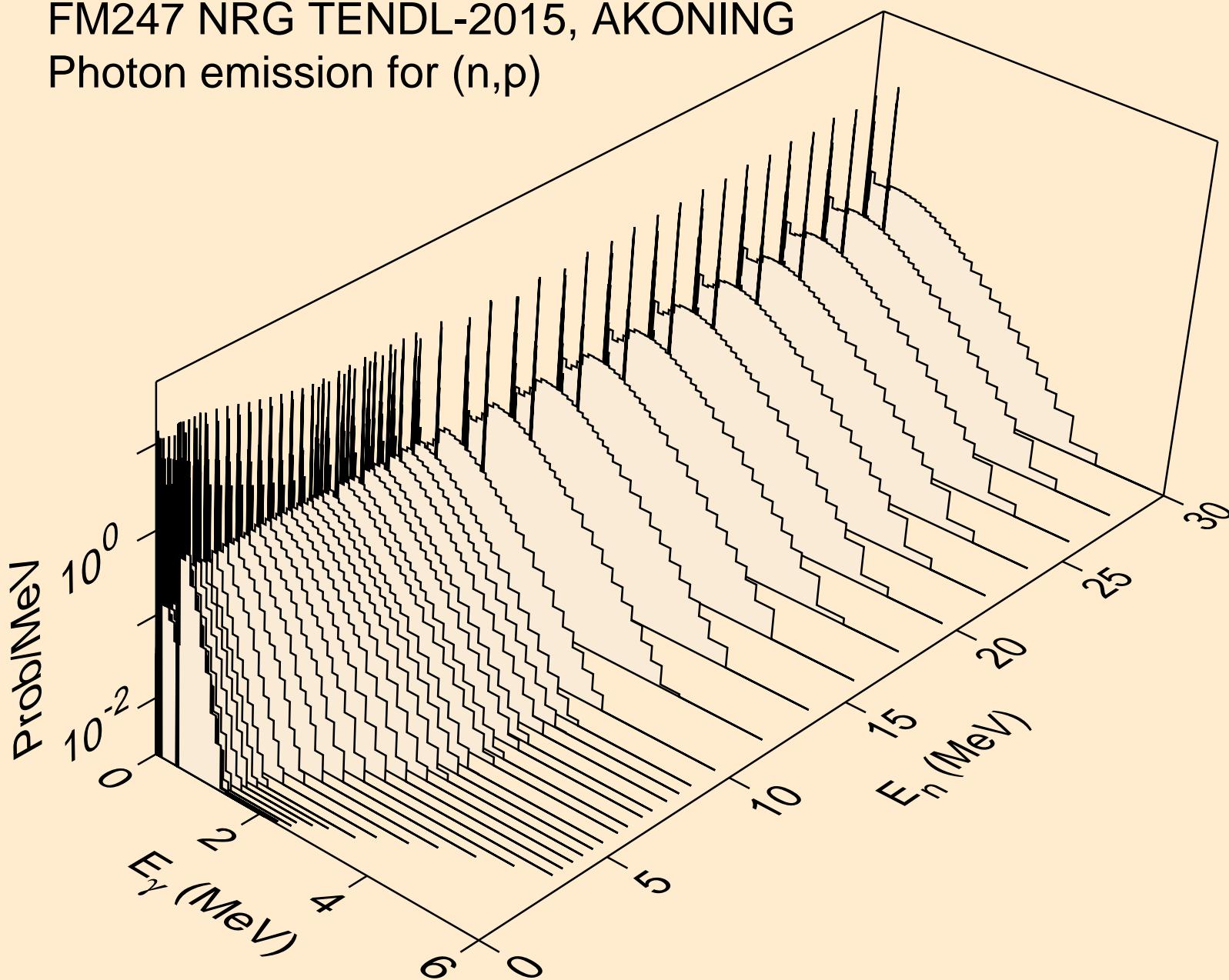
FM247 NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* c$ )



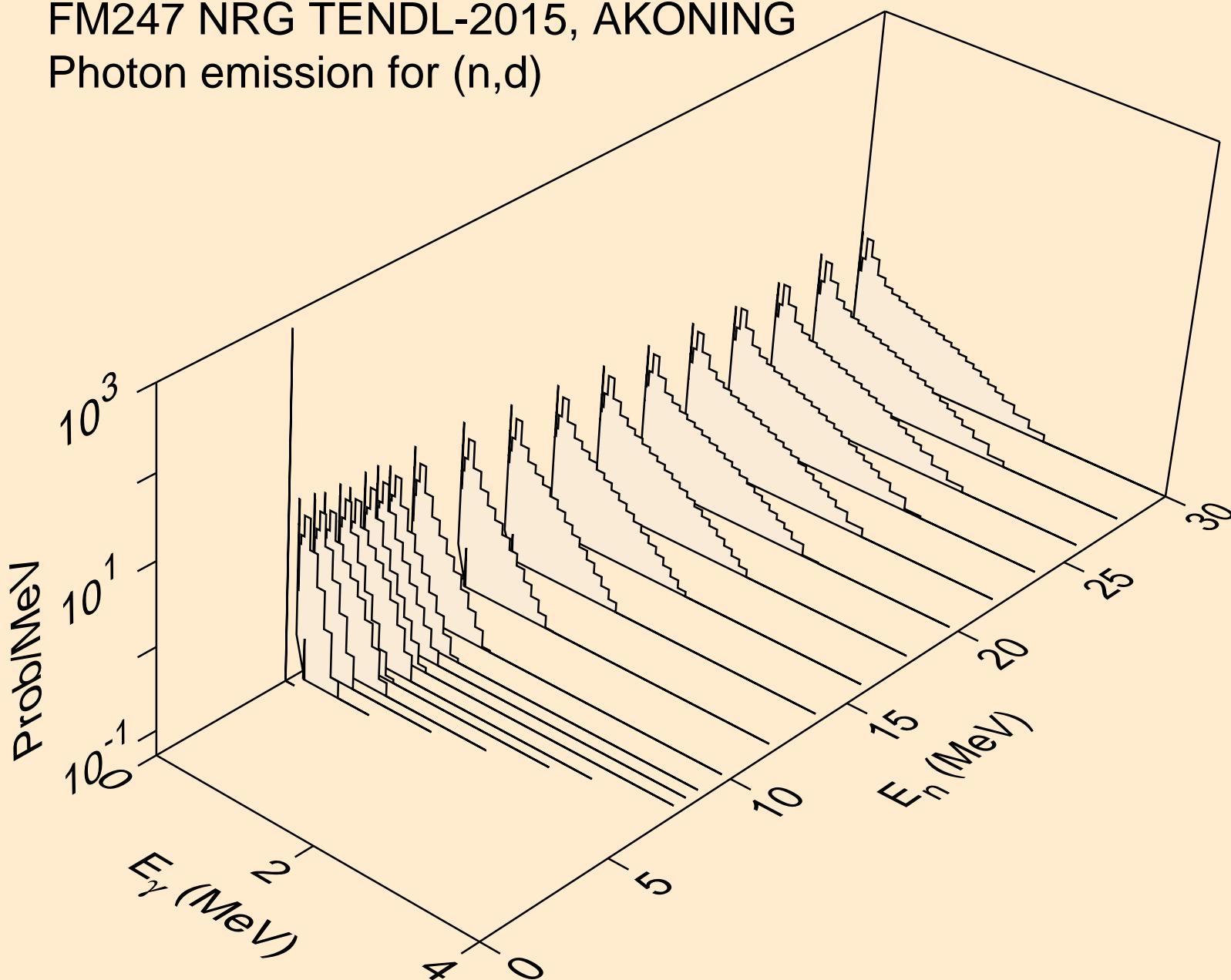
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



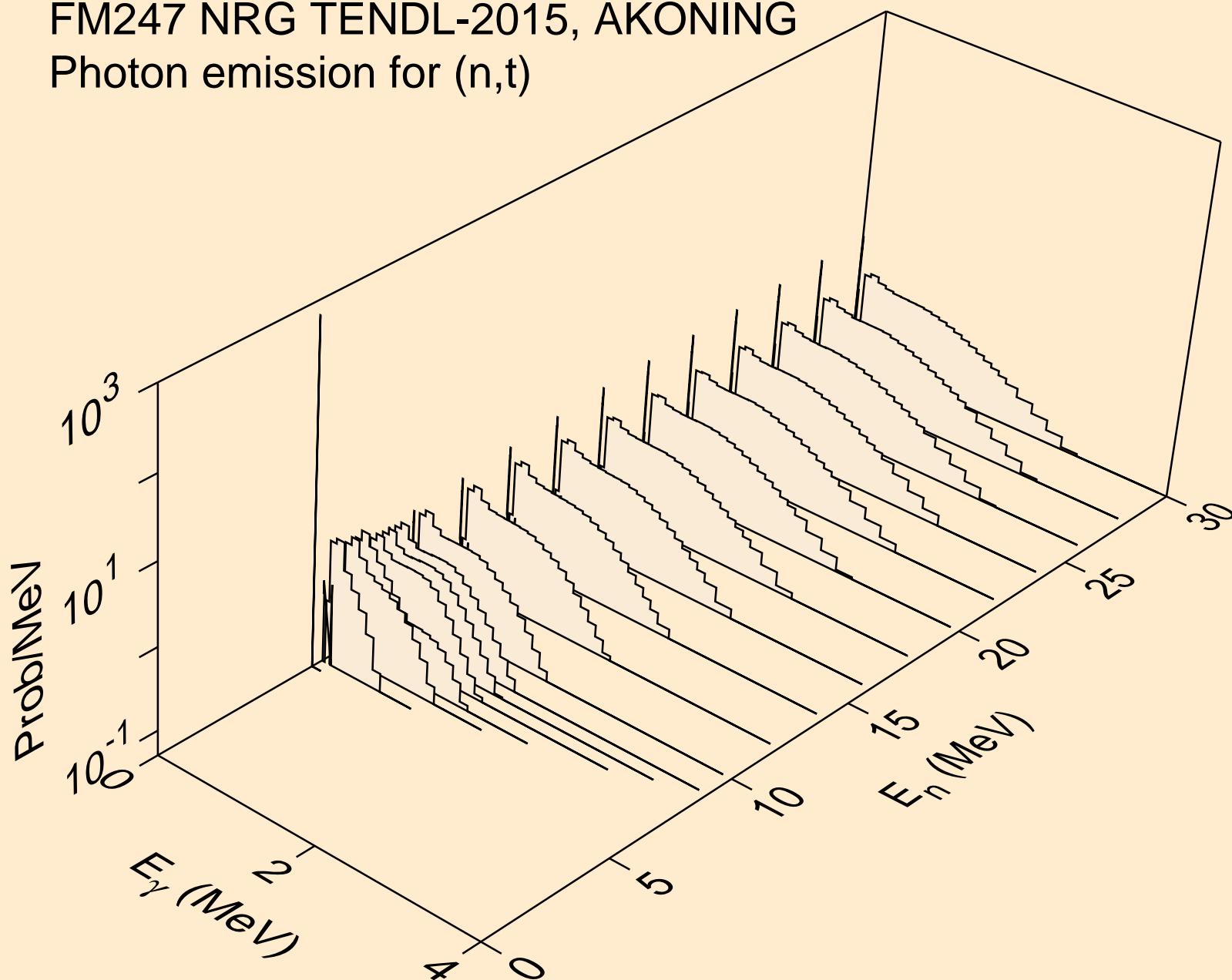
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



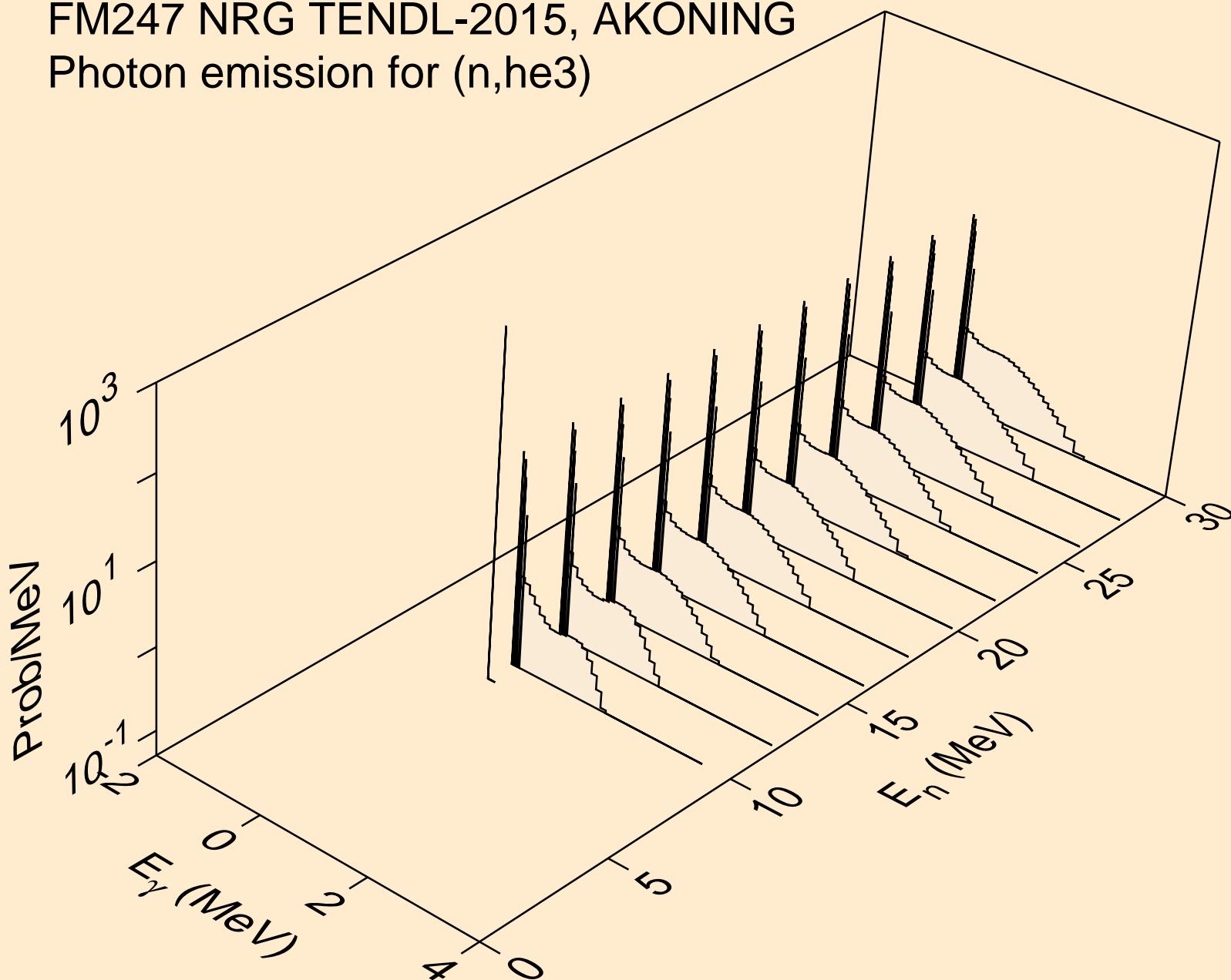
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



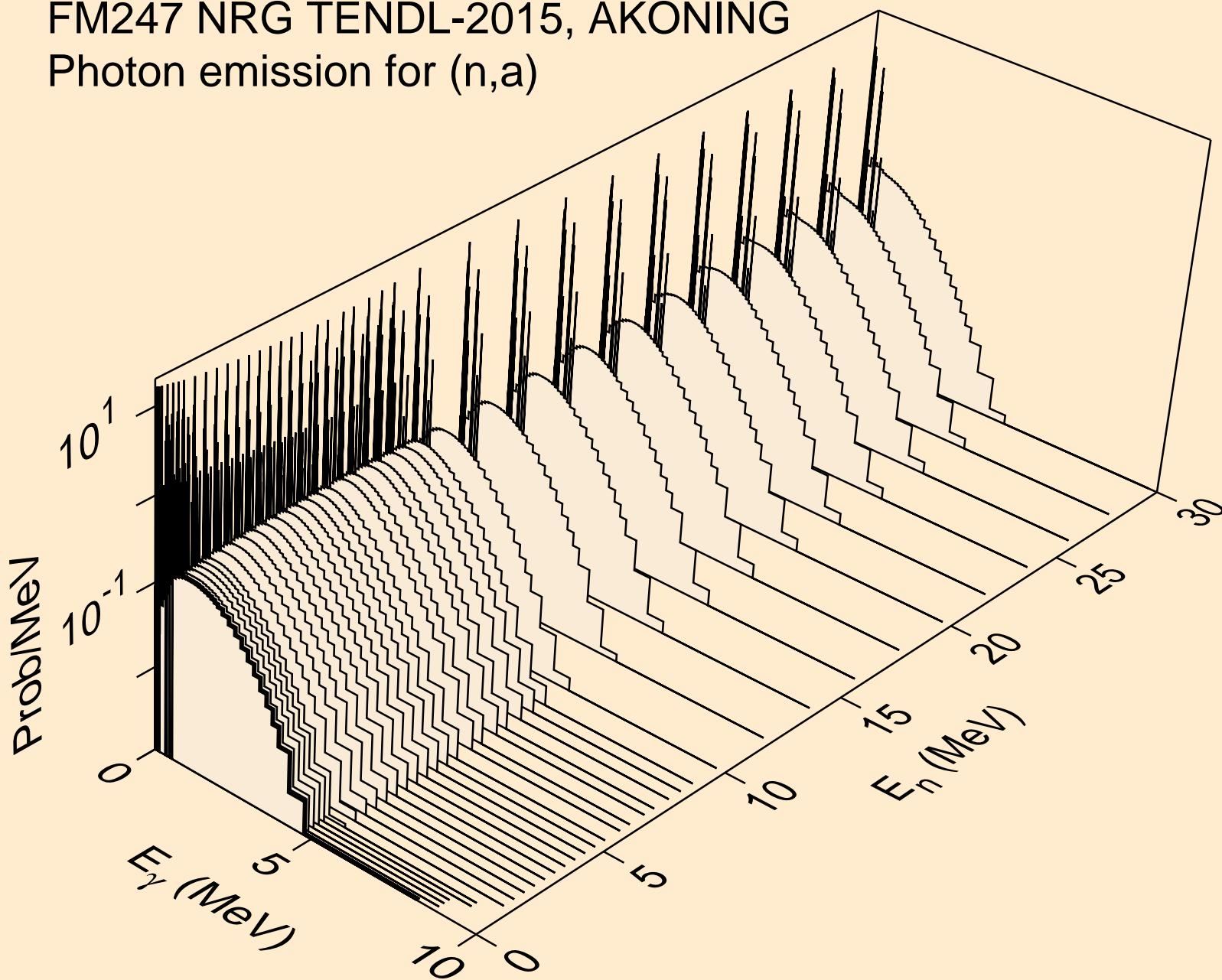
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



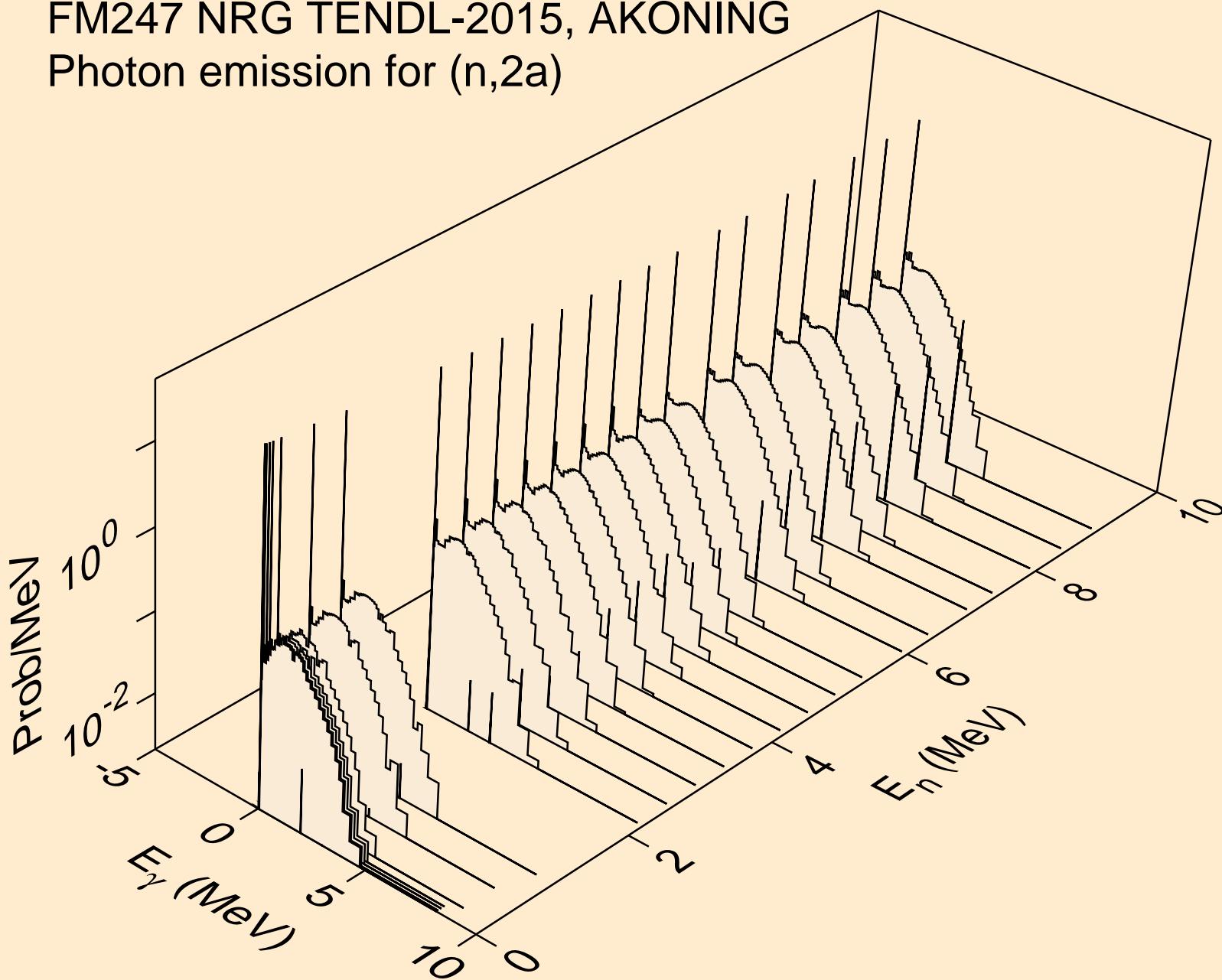
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



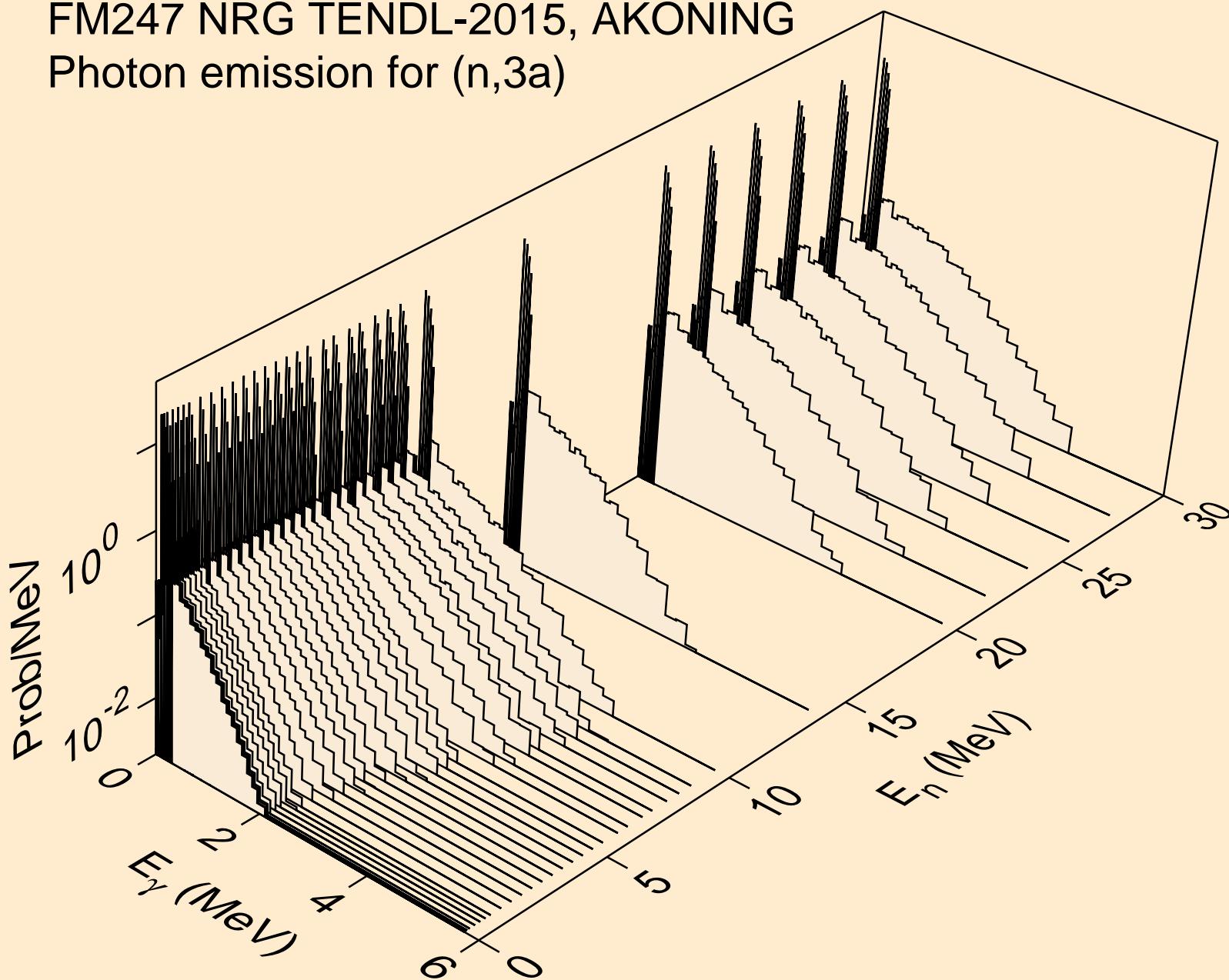
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



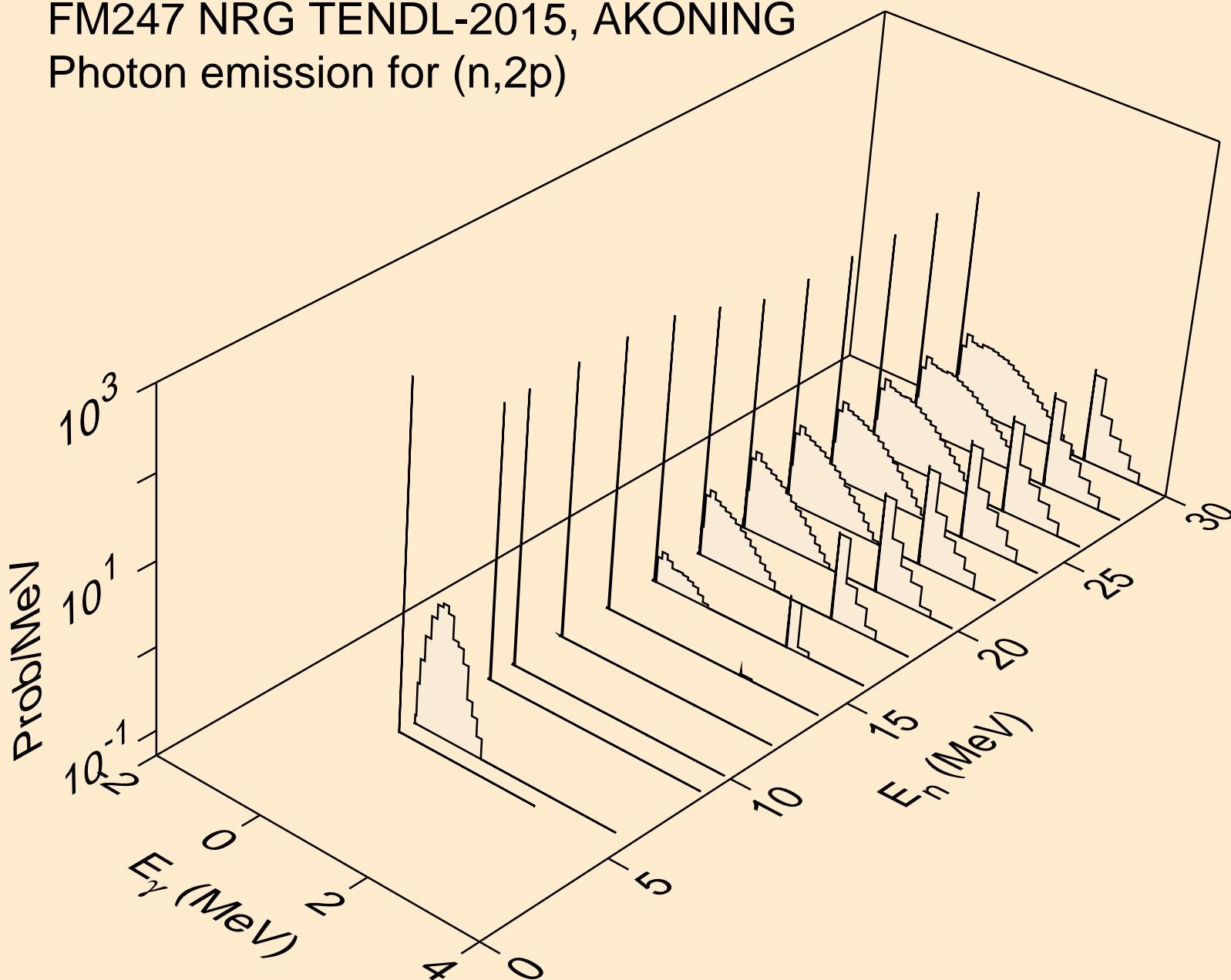
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



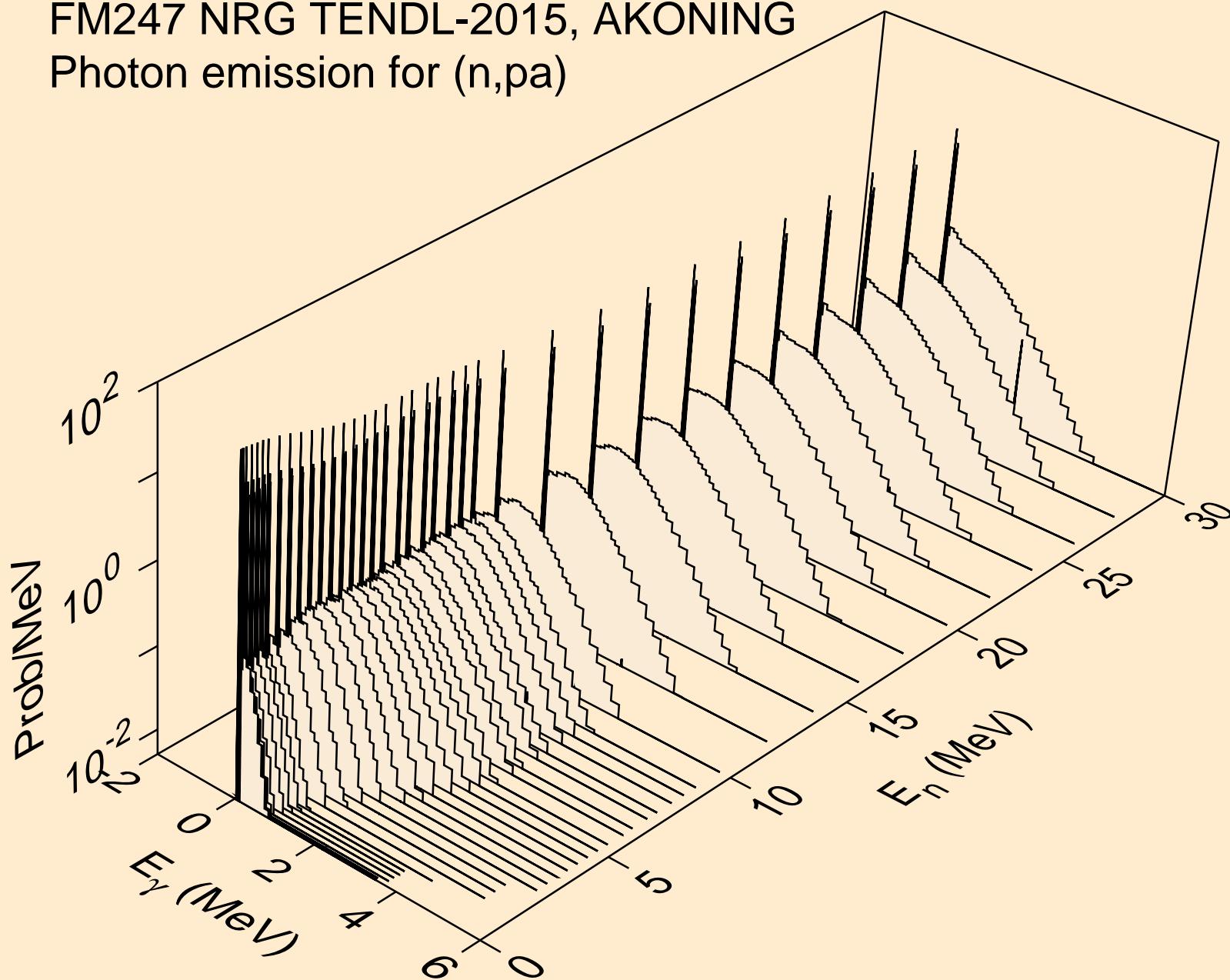
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Photon emission for (n,3a)



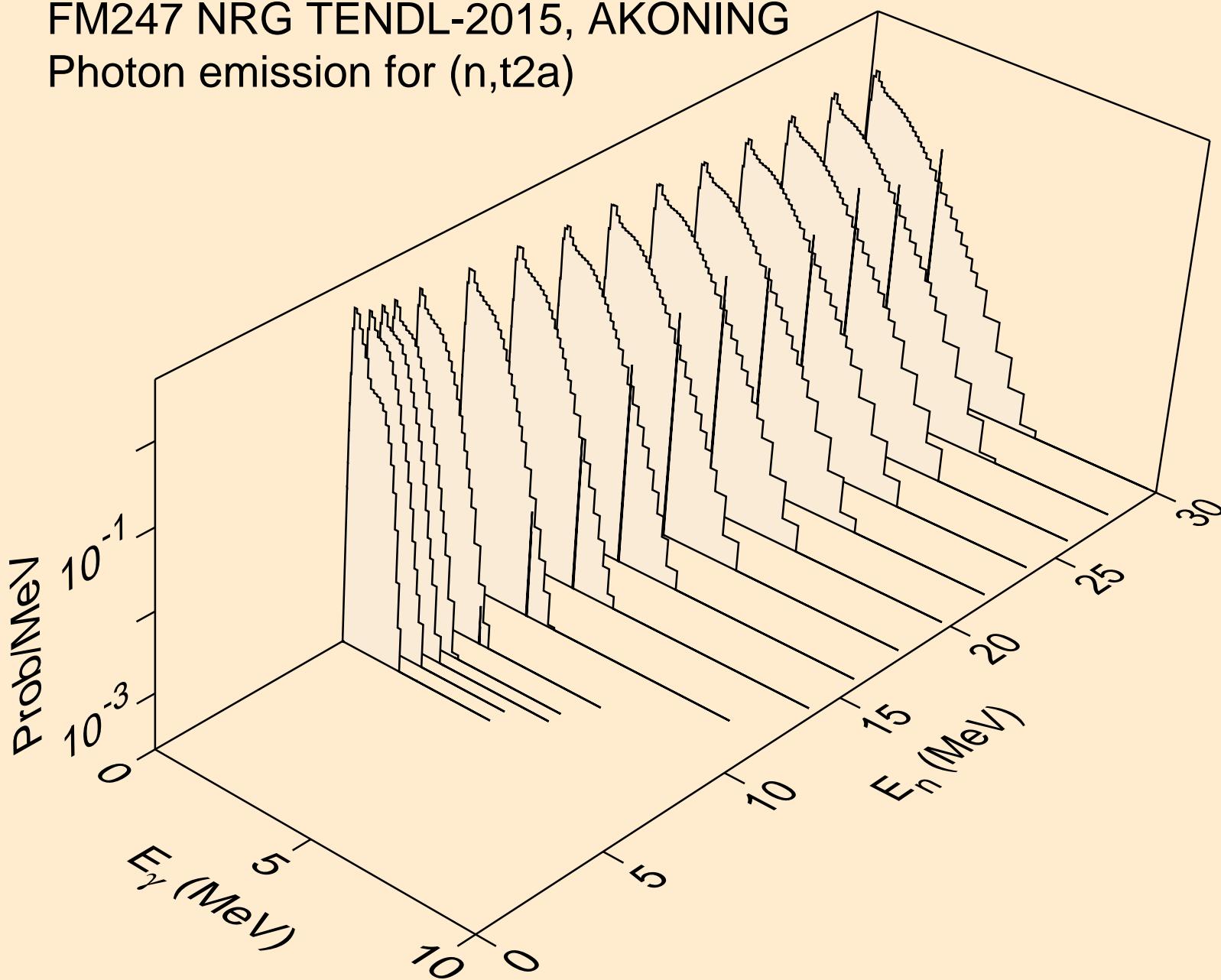
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



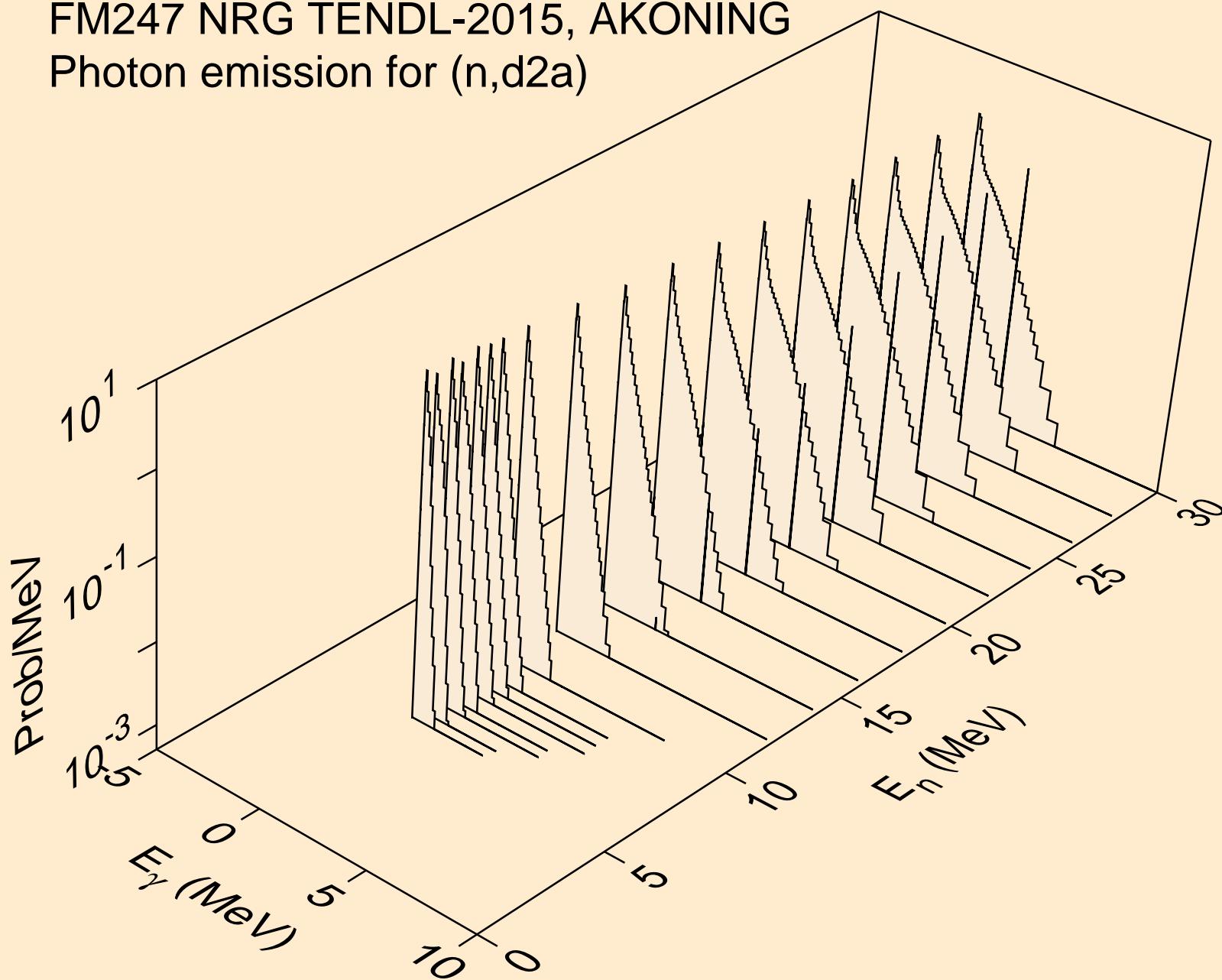
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



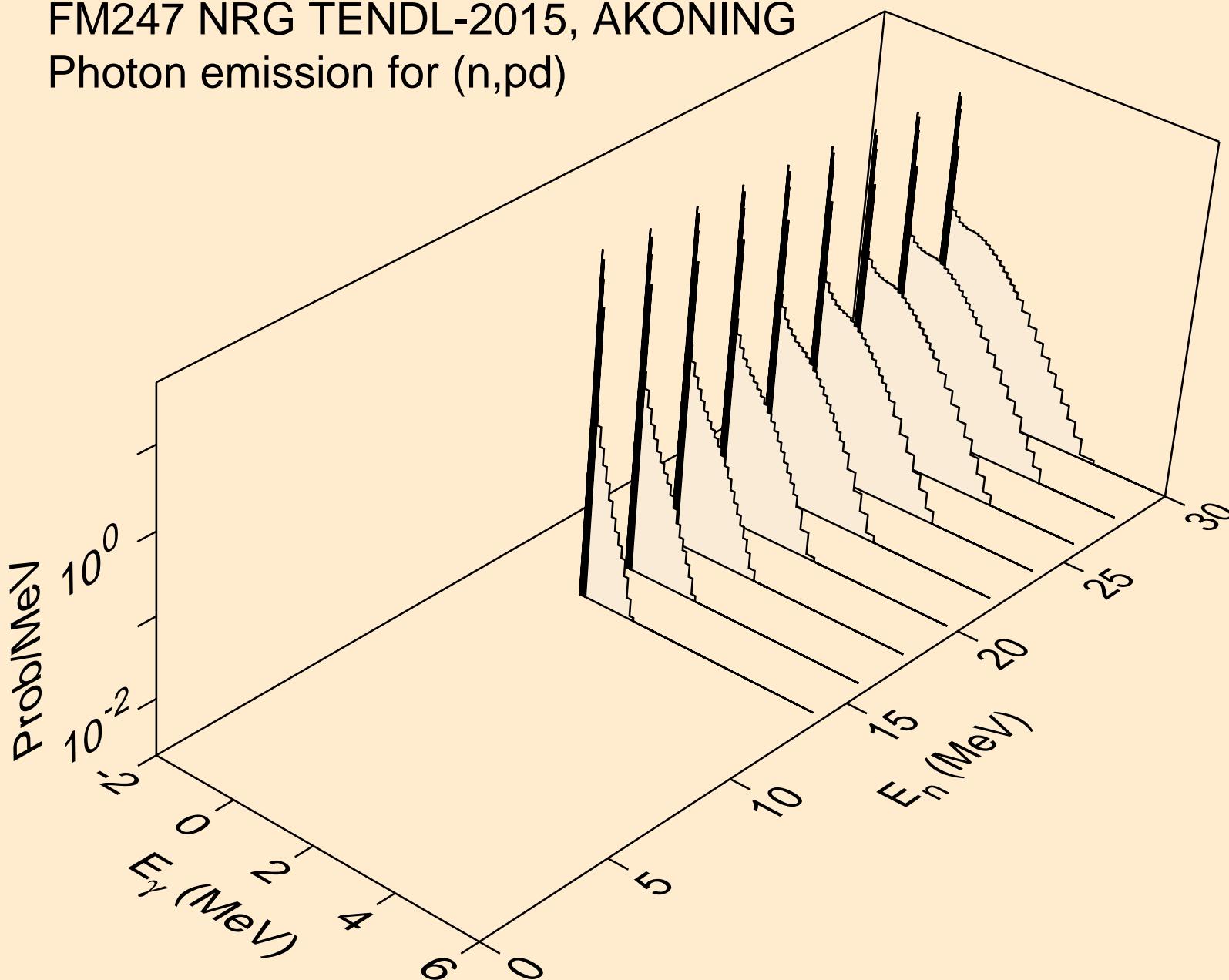
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



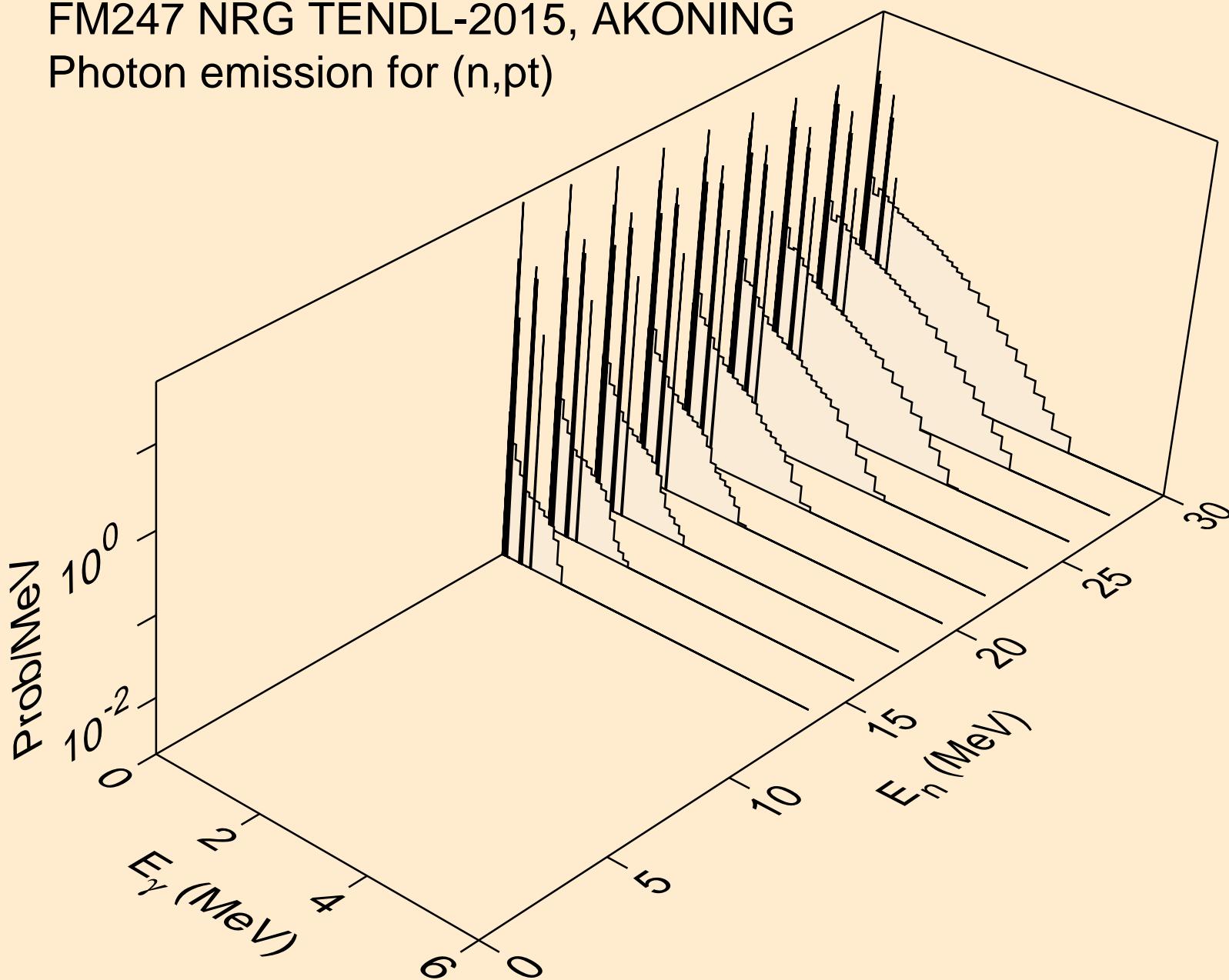
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



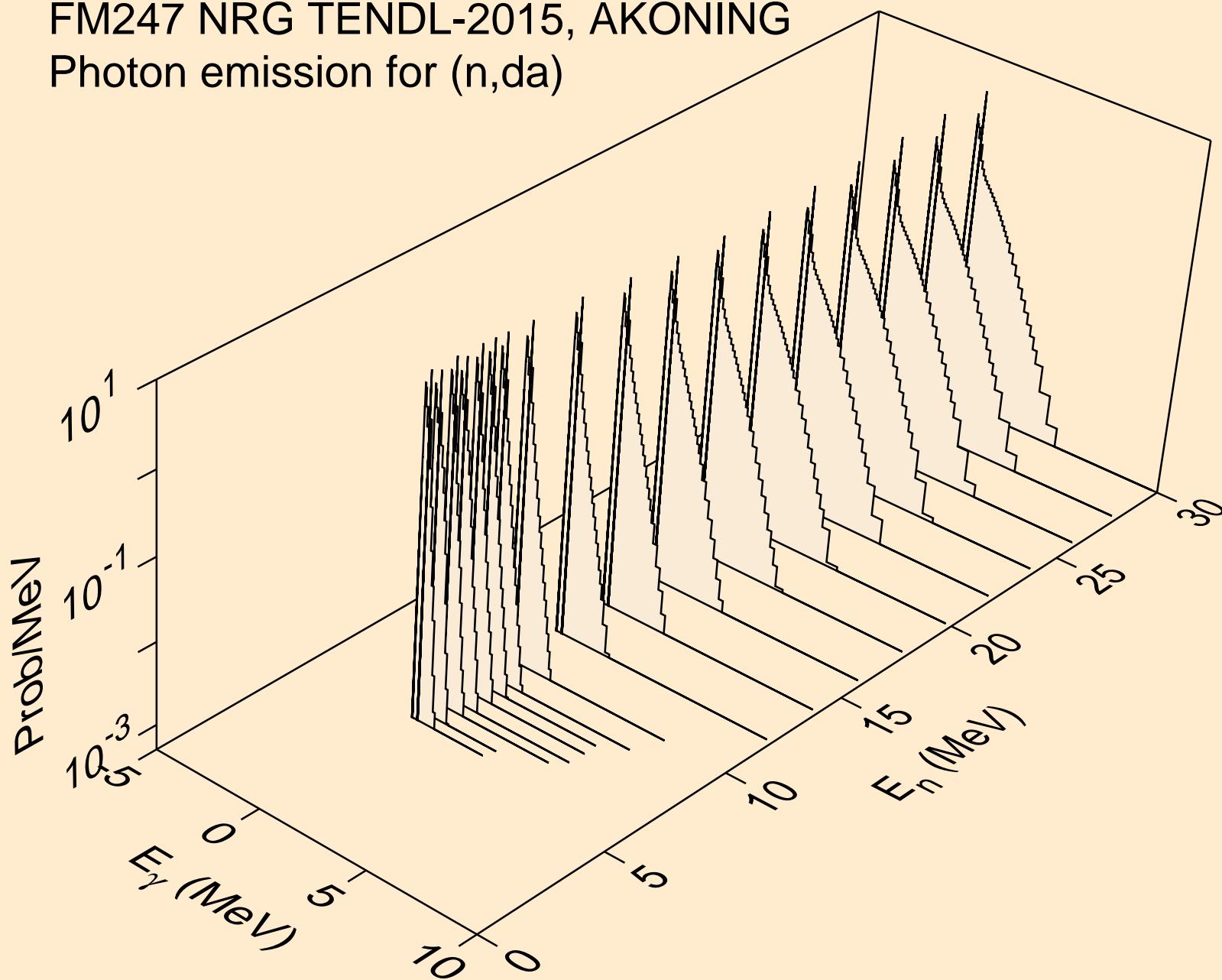
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



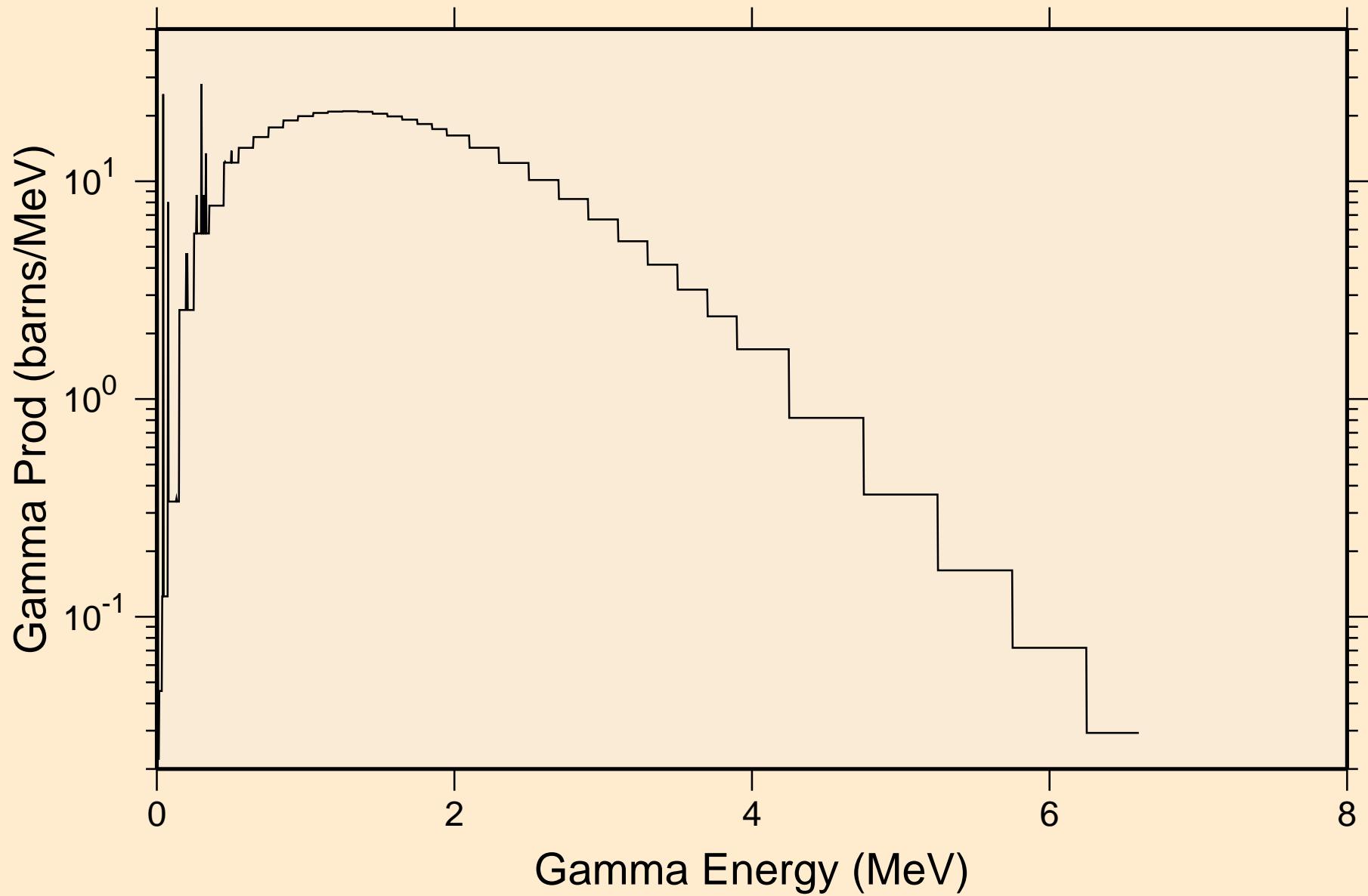
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



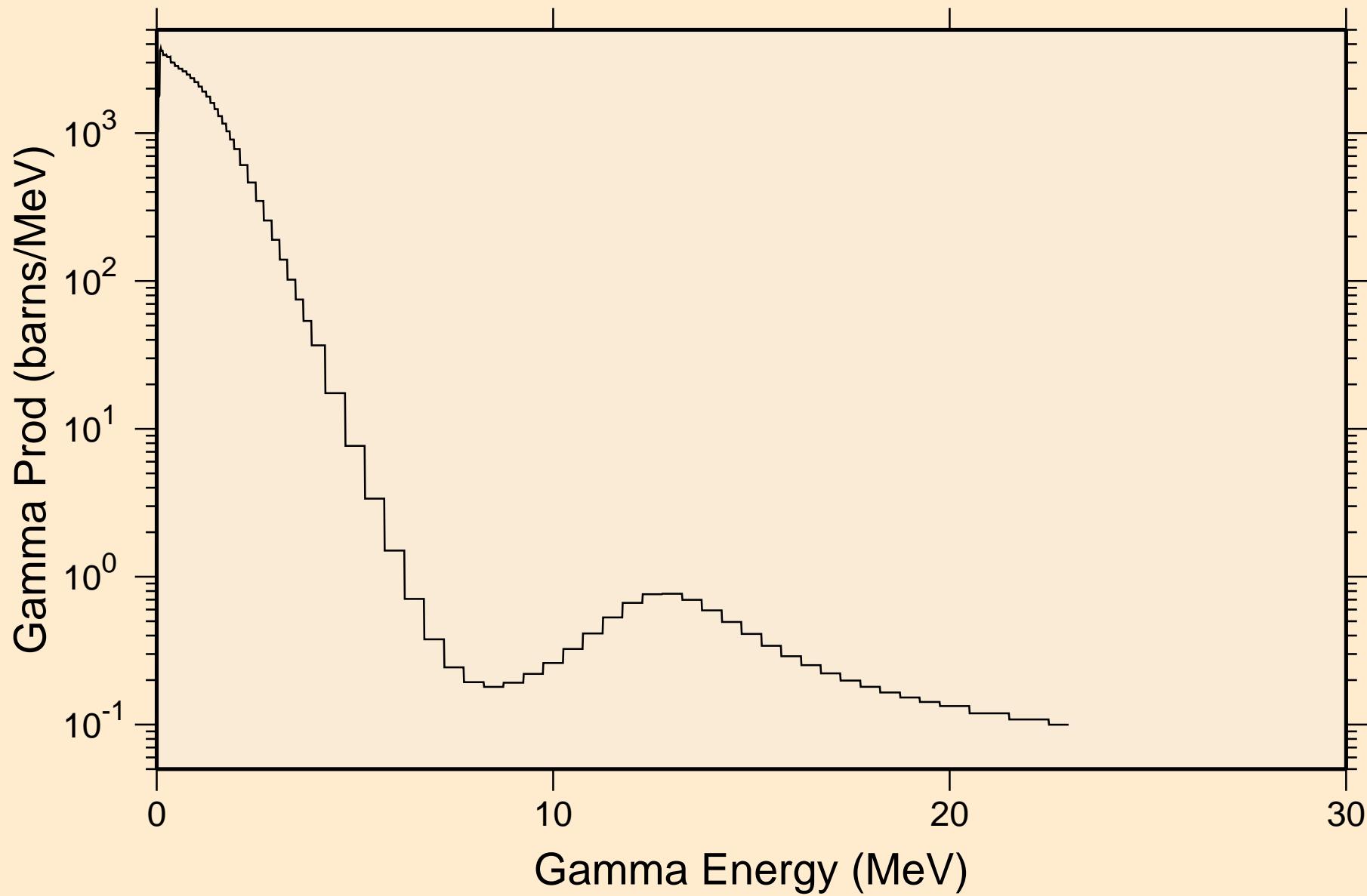
FM247 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



FM247 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

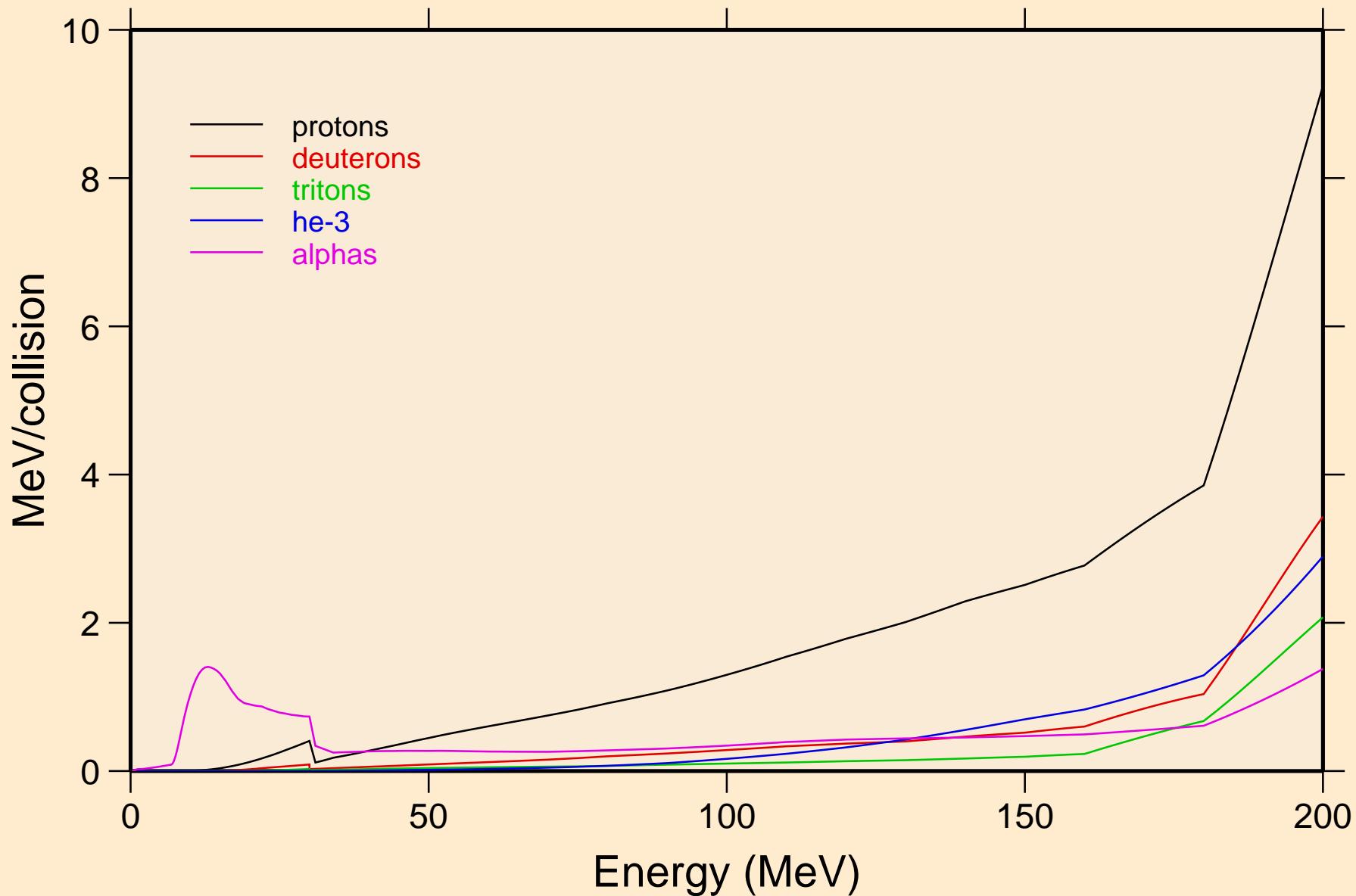


FM247 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



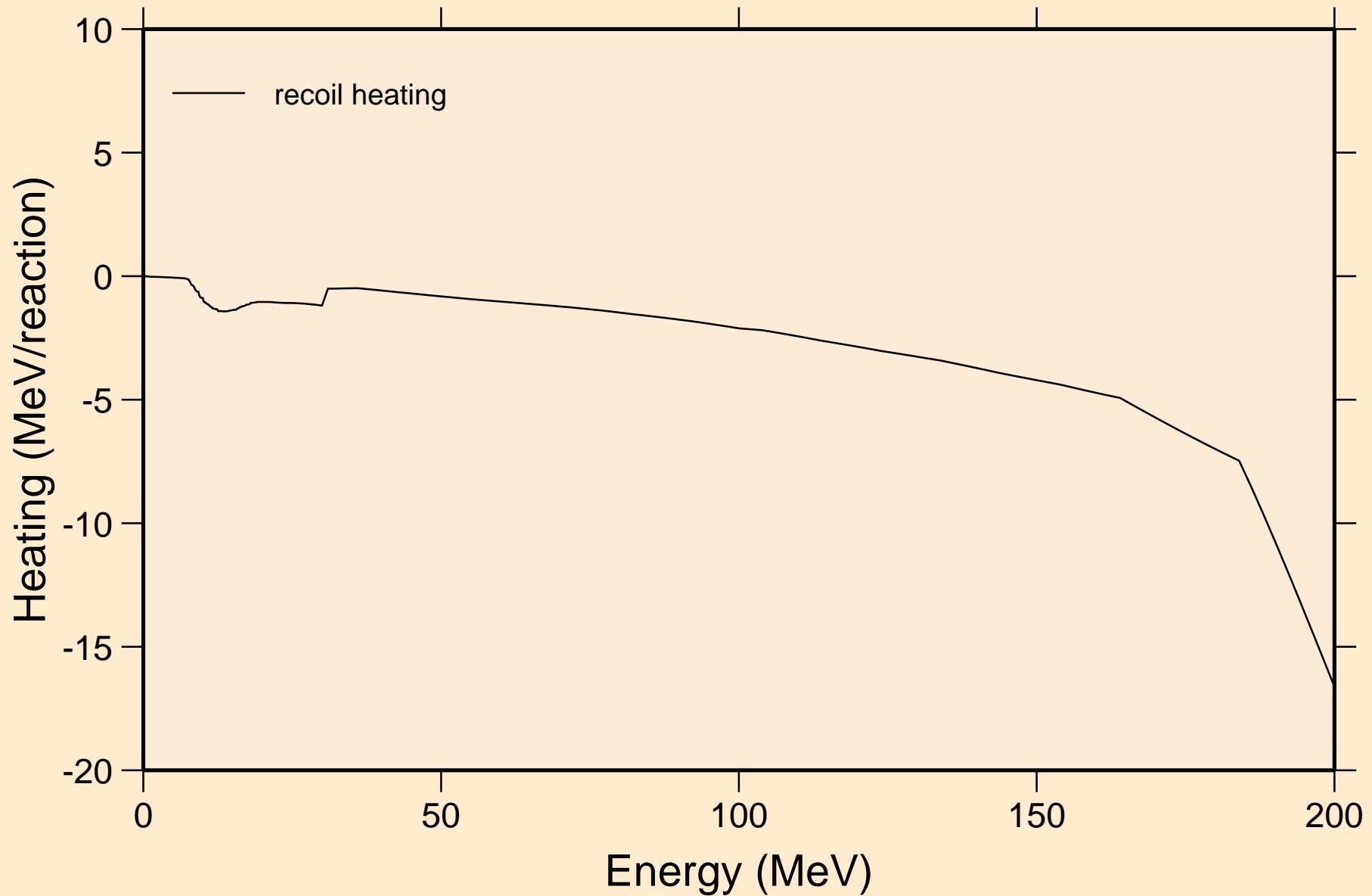
# FM247 NRG TENDL-2015, AKONING

## Particle heating contributions



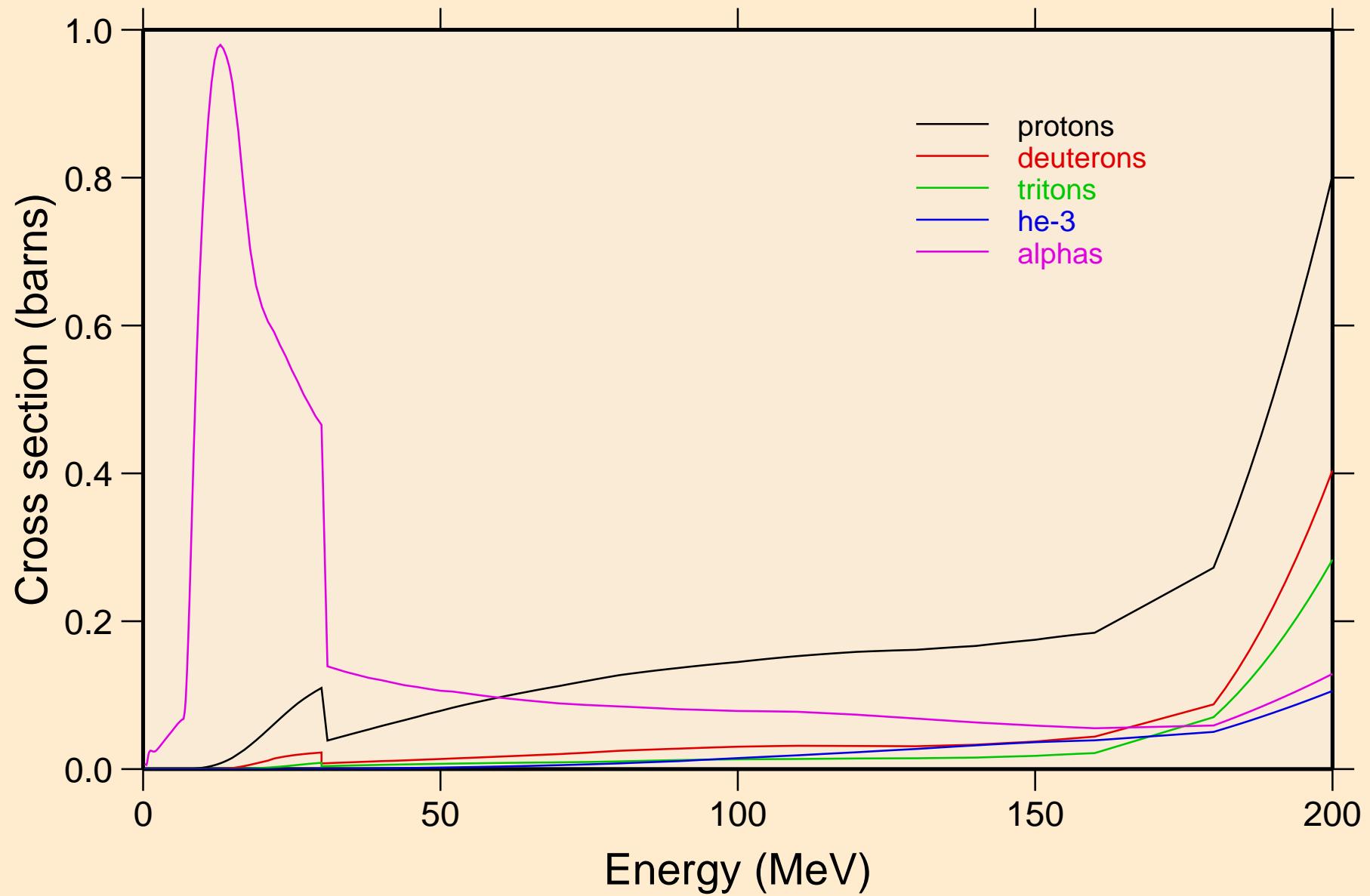
# FM247 NRG TENDL-2015, AKONING

## Recoil Heating

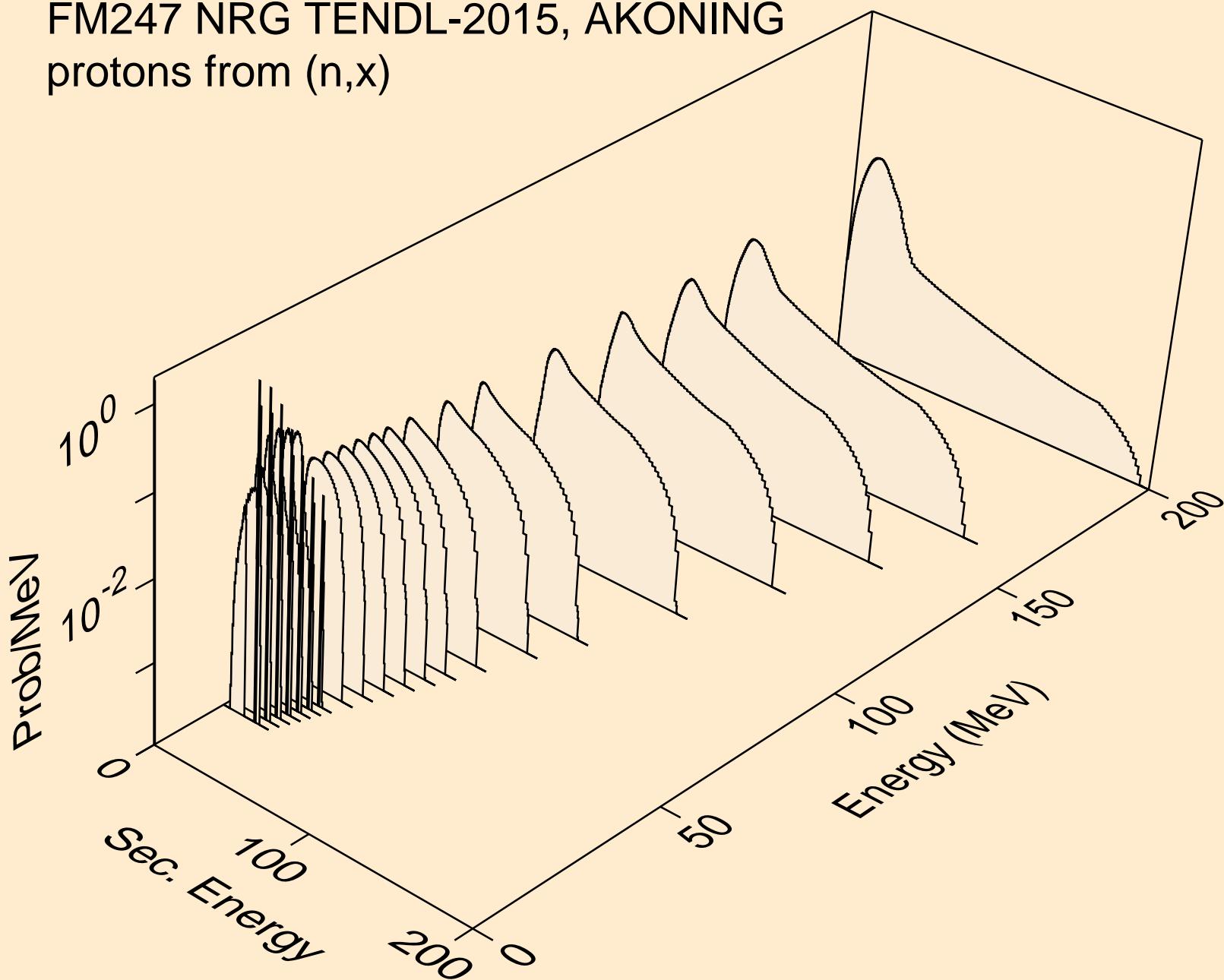


# FM247 NRG TENDL-2015, AKONING

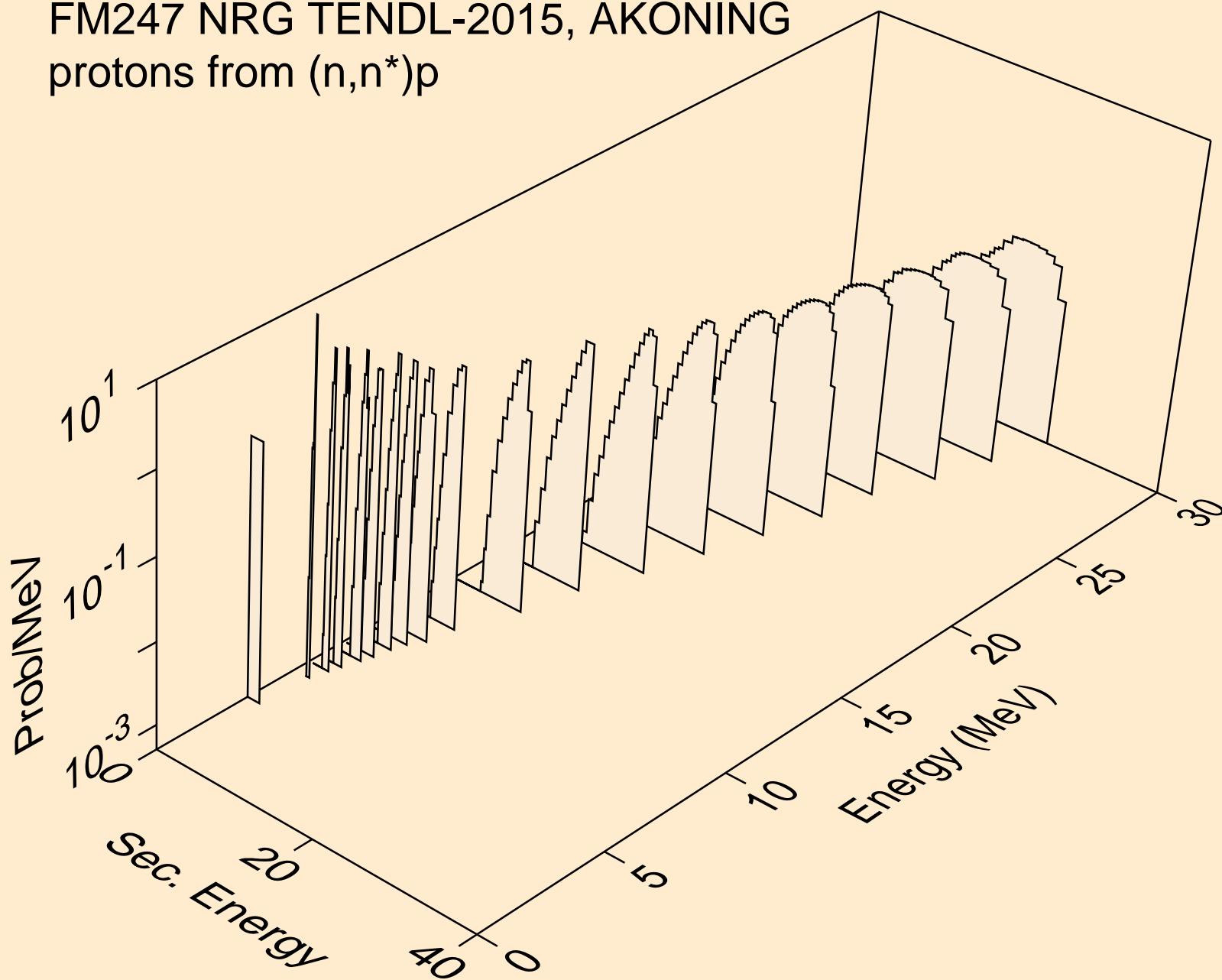
## Particle production cross sections



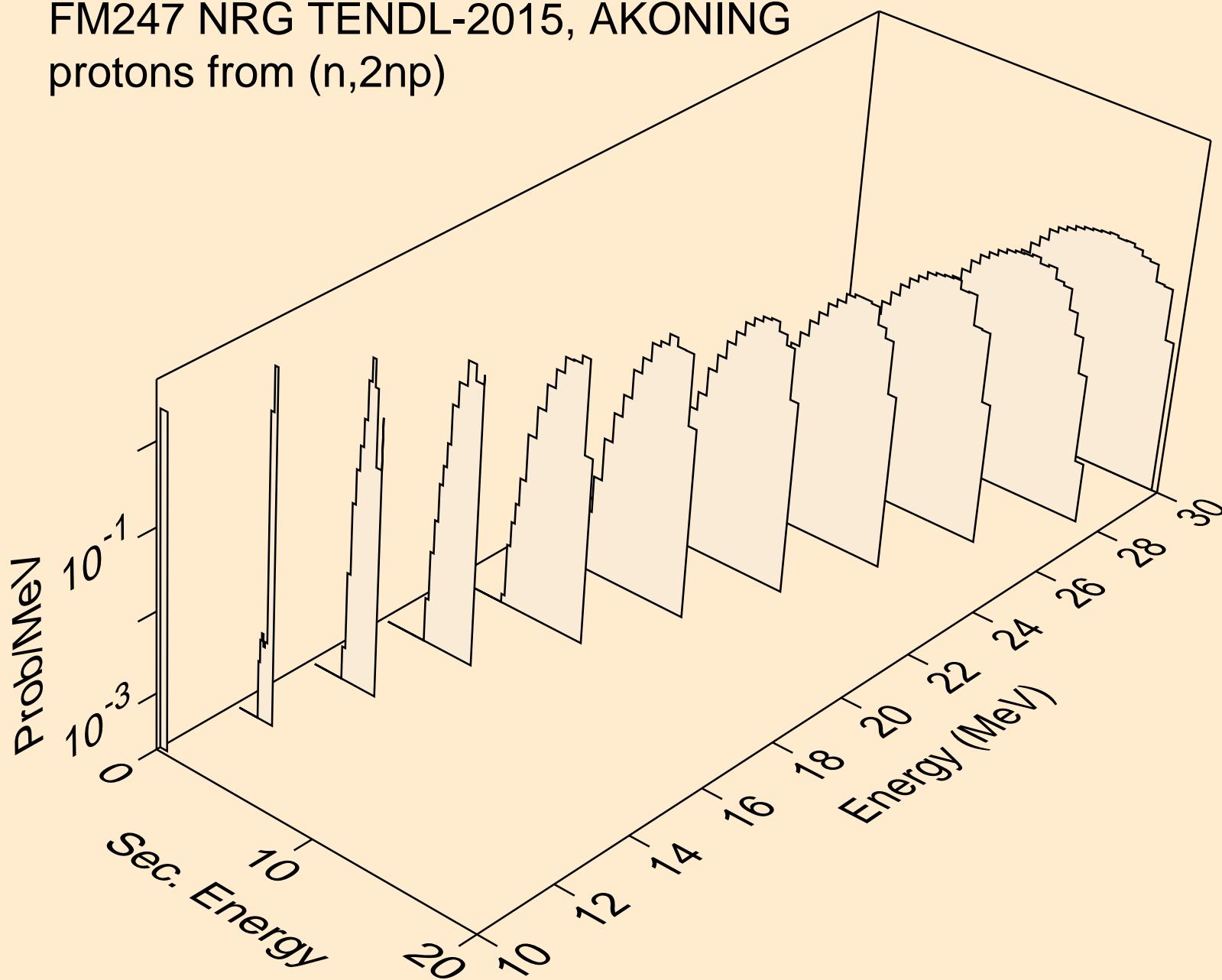
FM247 NRG TENDL-2015, AKONING  
protons from ( $n, x$ )



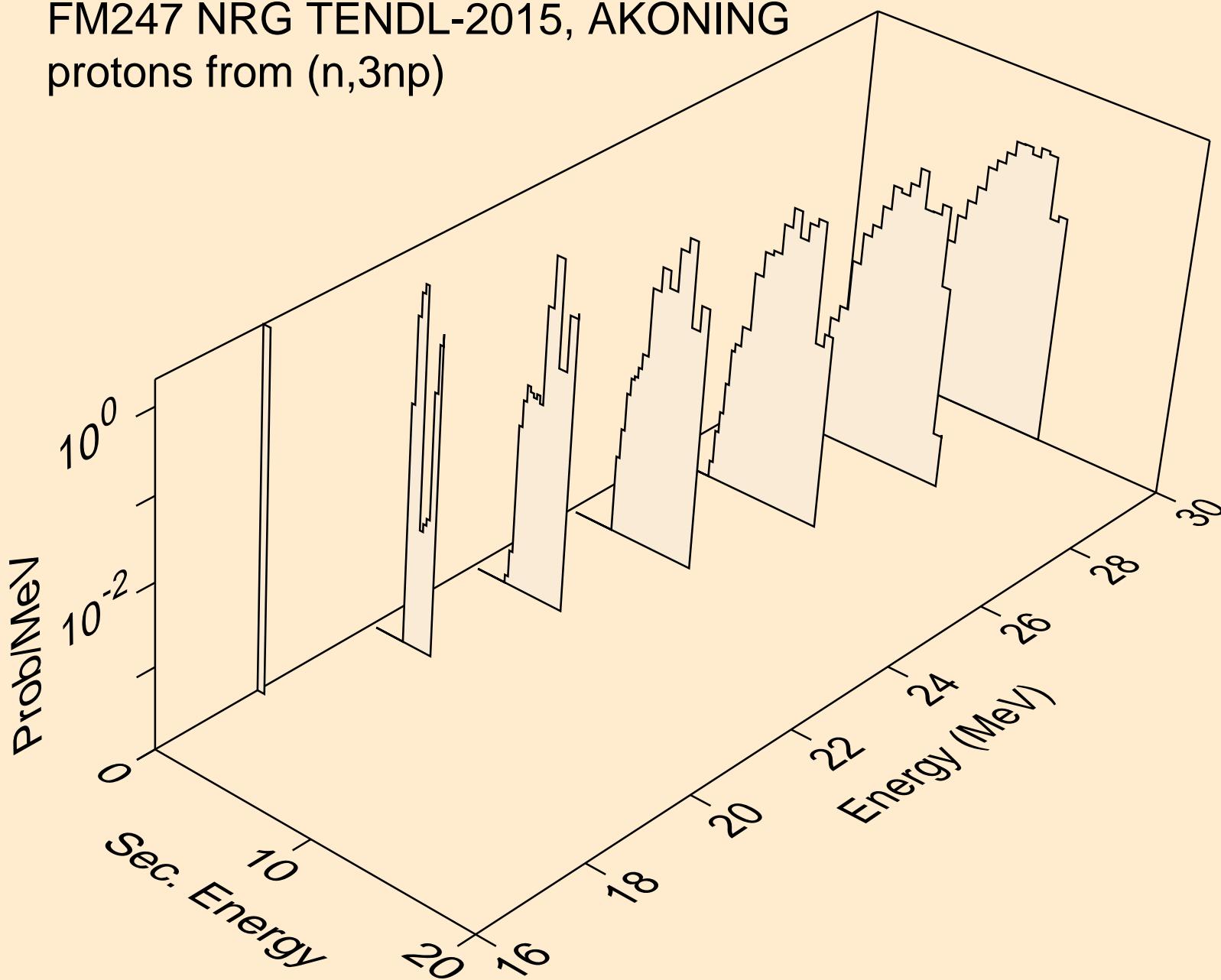
FM247 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



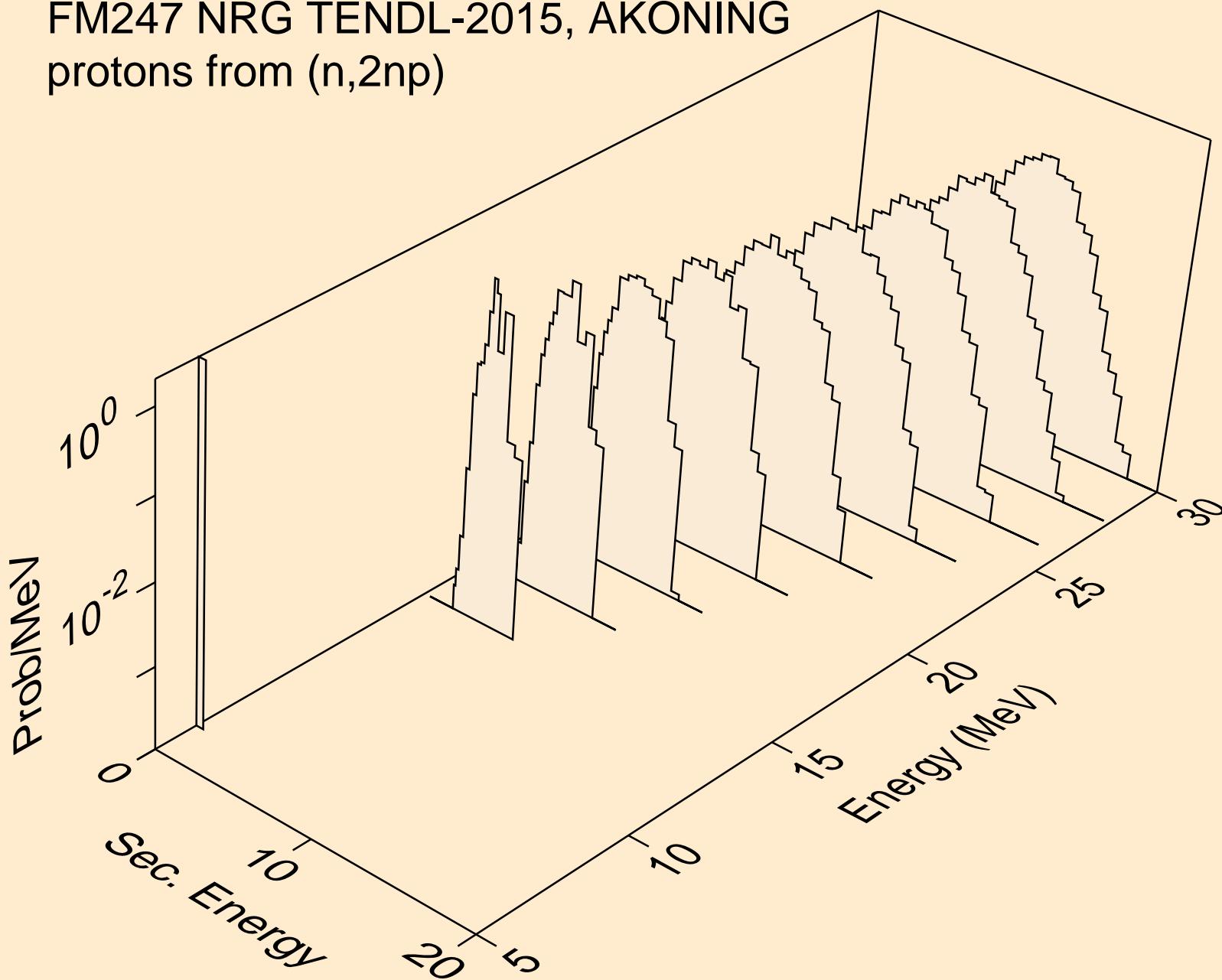
FM247 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



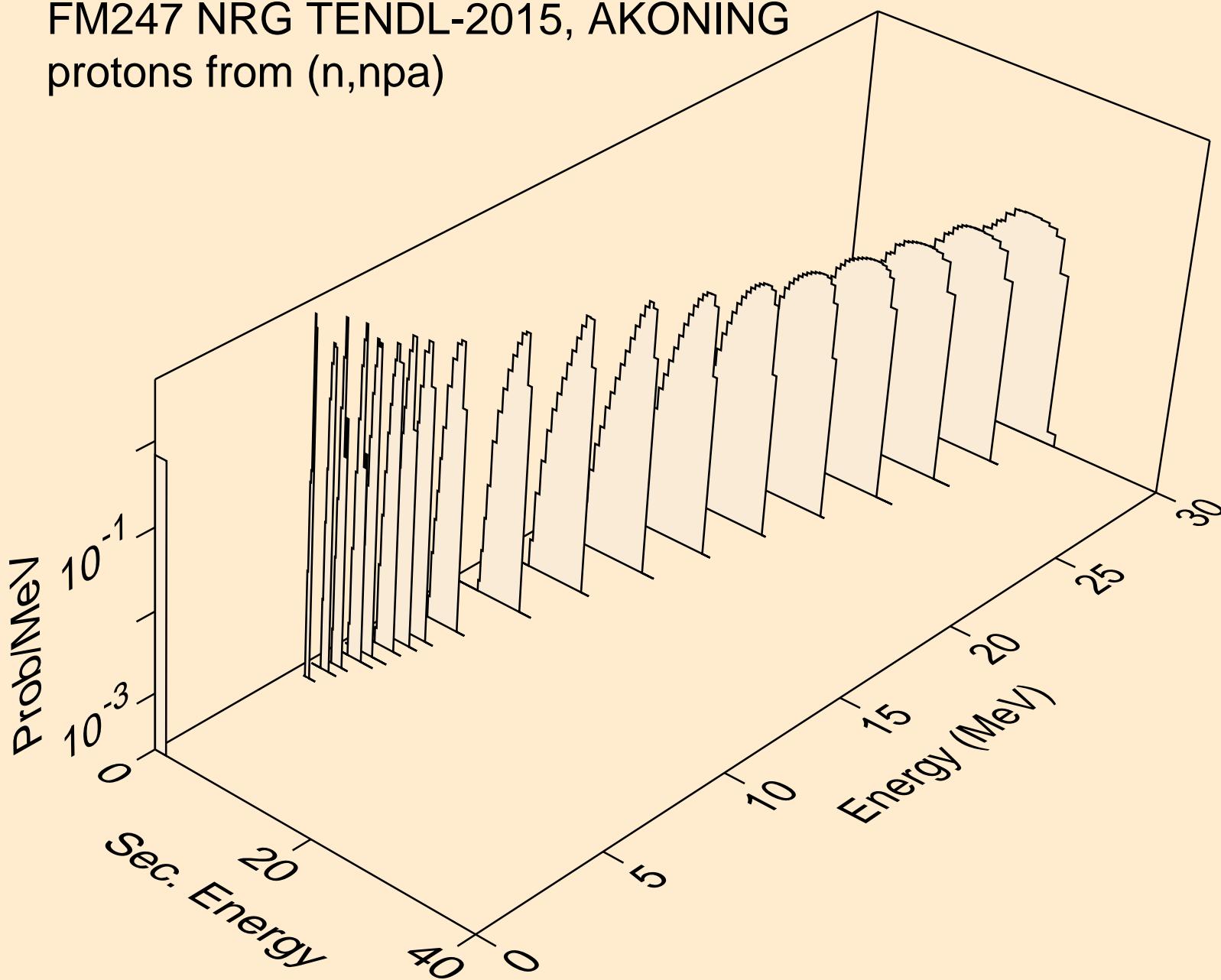
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protons from ( $n,3np$ )



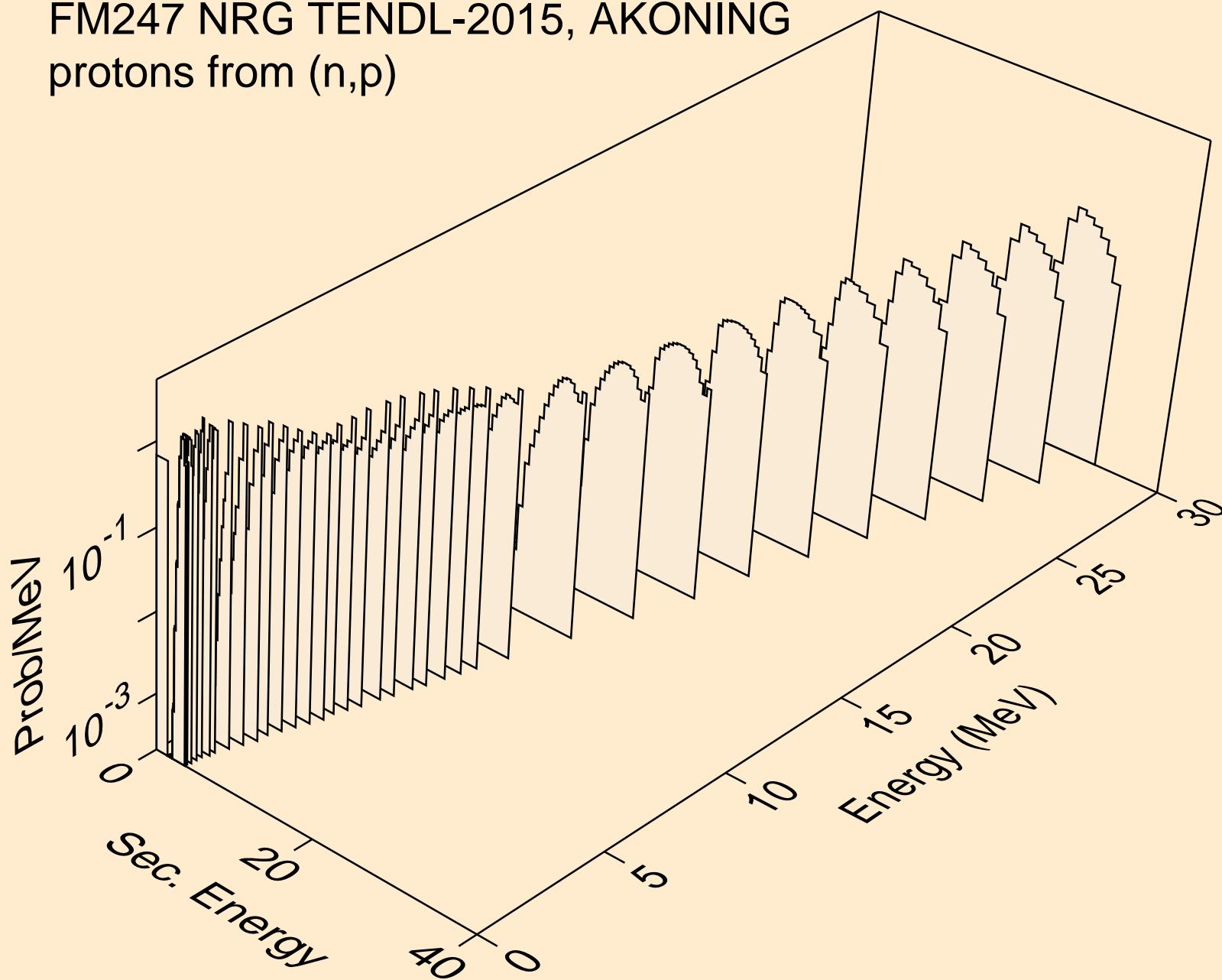
FM247 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



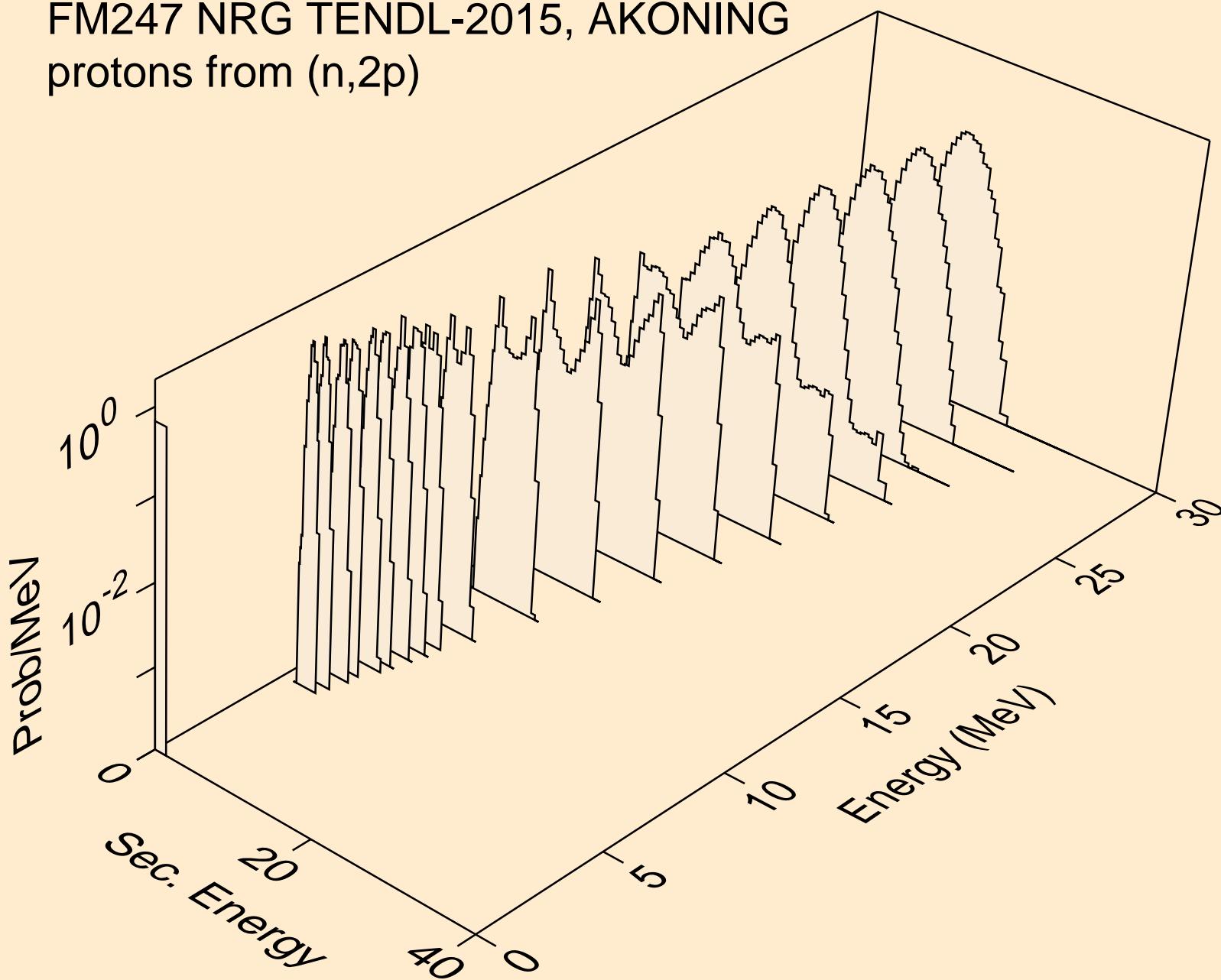
FM247 NRG TENDL-2015, AKONING  
protons from (n,npa)



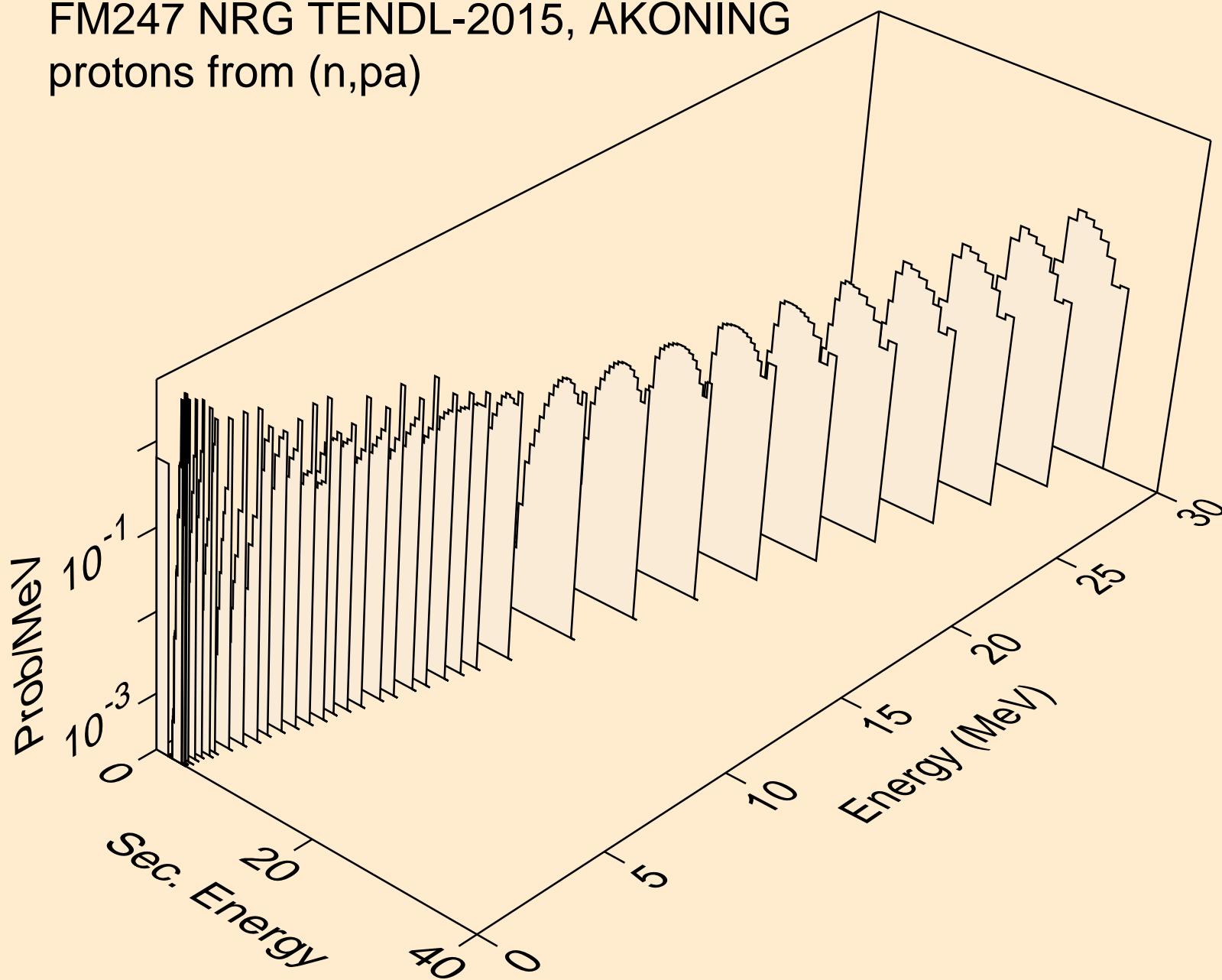
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protons from (n,p)



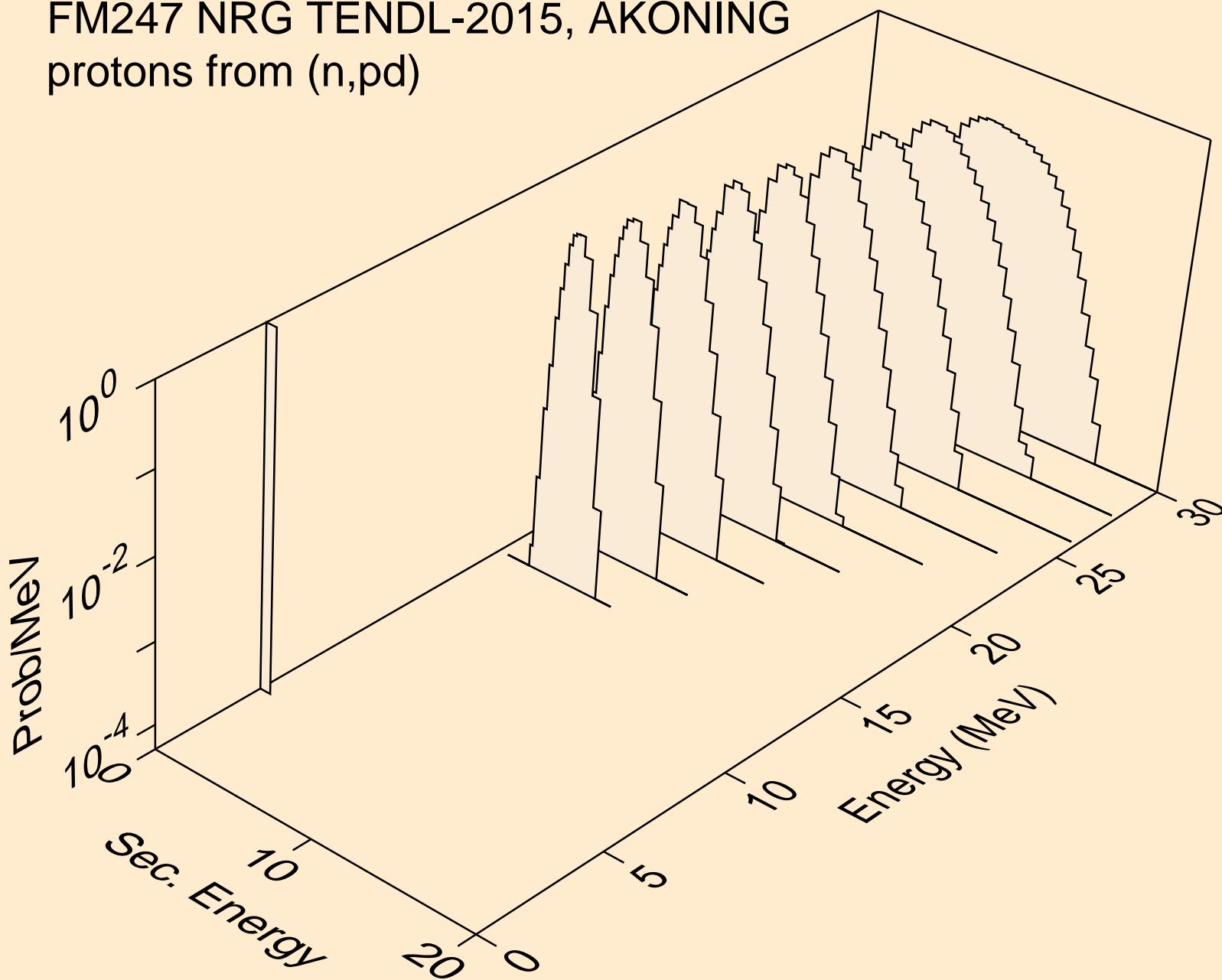
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protons from ( $n,2p$ )



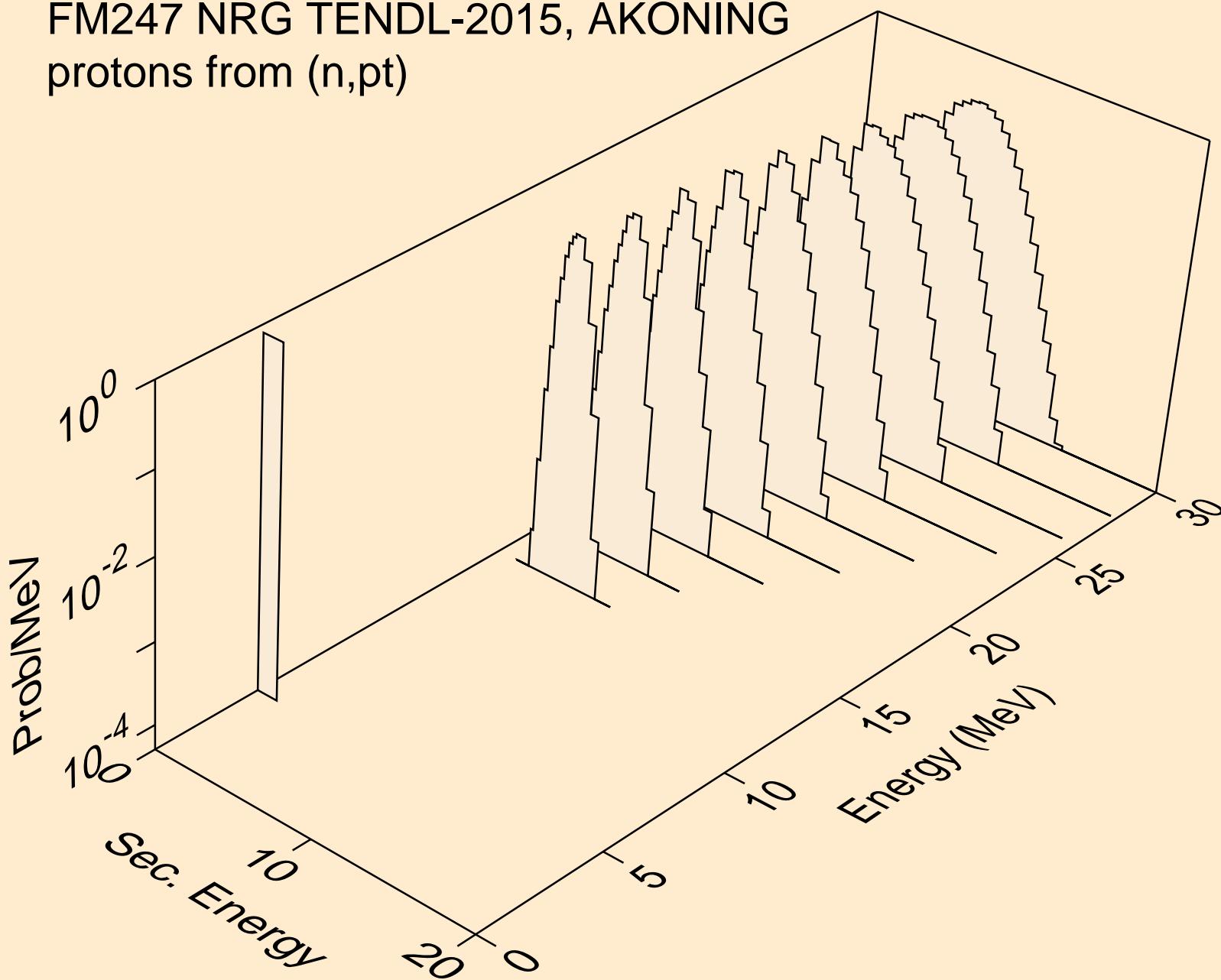
FM247 NRG TENDL-2015, AKONING  
protons from (n,pa)



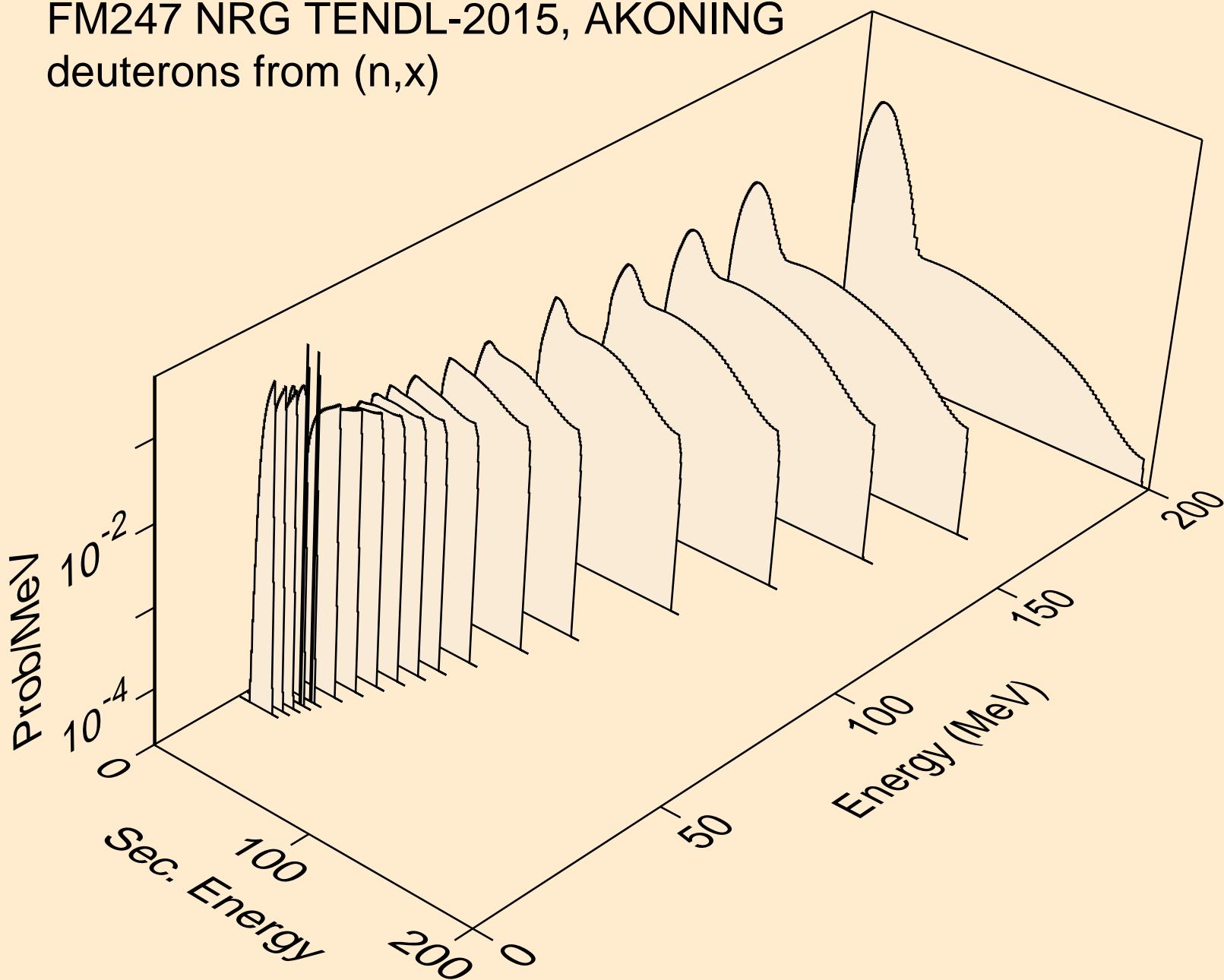
FM247 NRG TENDL-2015, AKONING  
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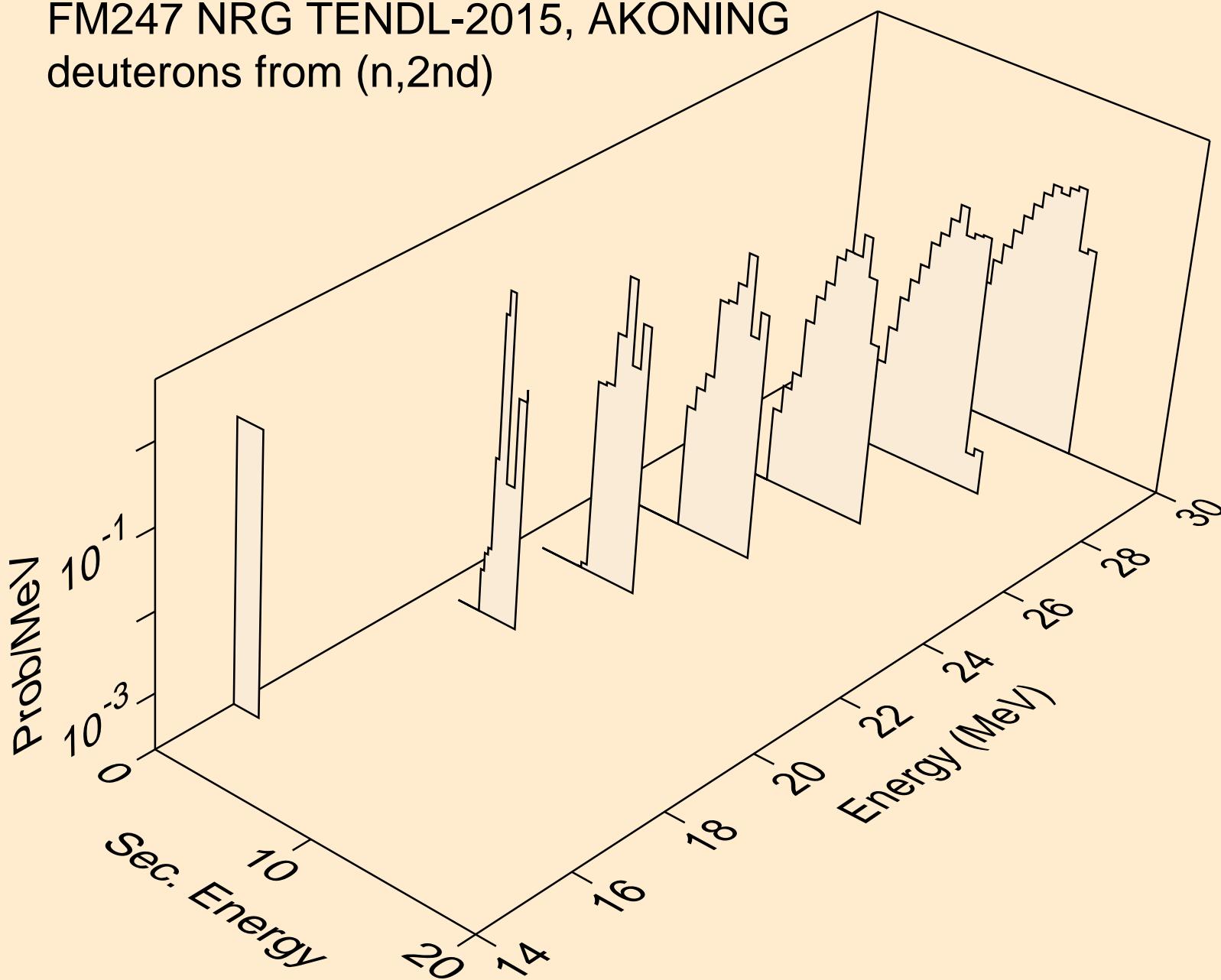
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protons from (n,pt)



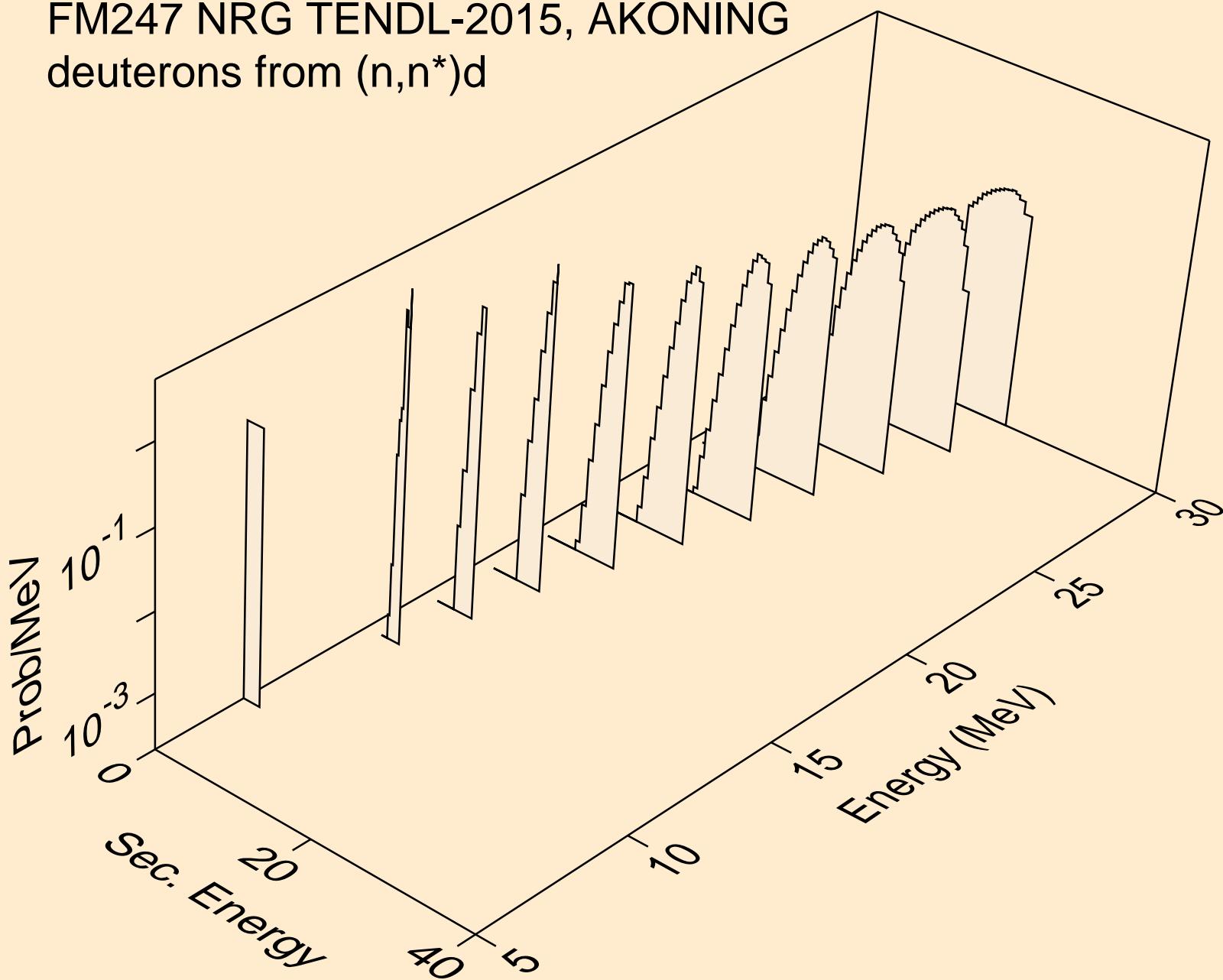
FM247 NRG TENDL-2015, AKONING  
deuterons from ( $n, x$ )



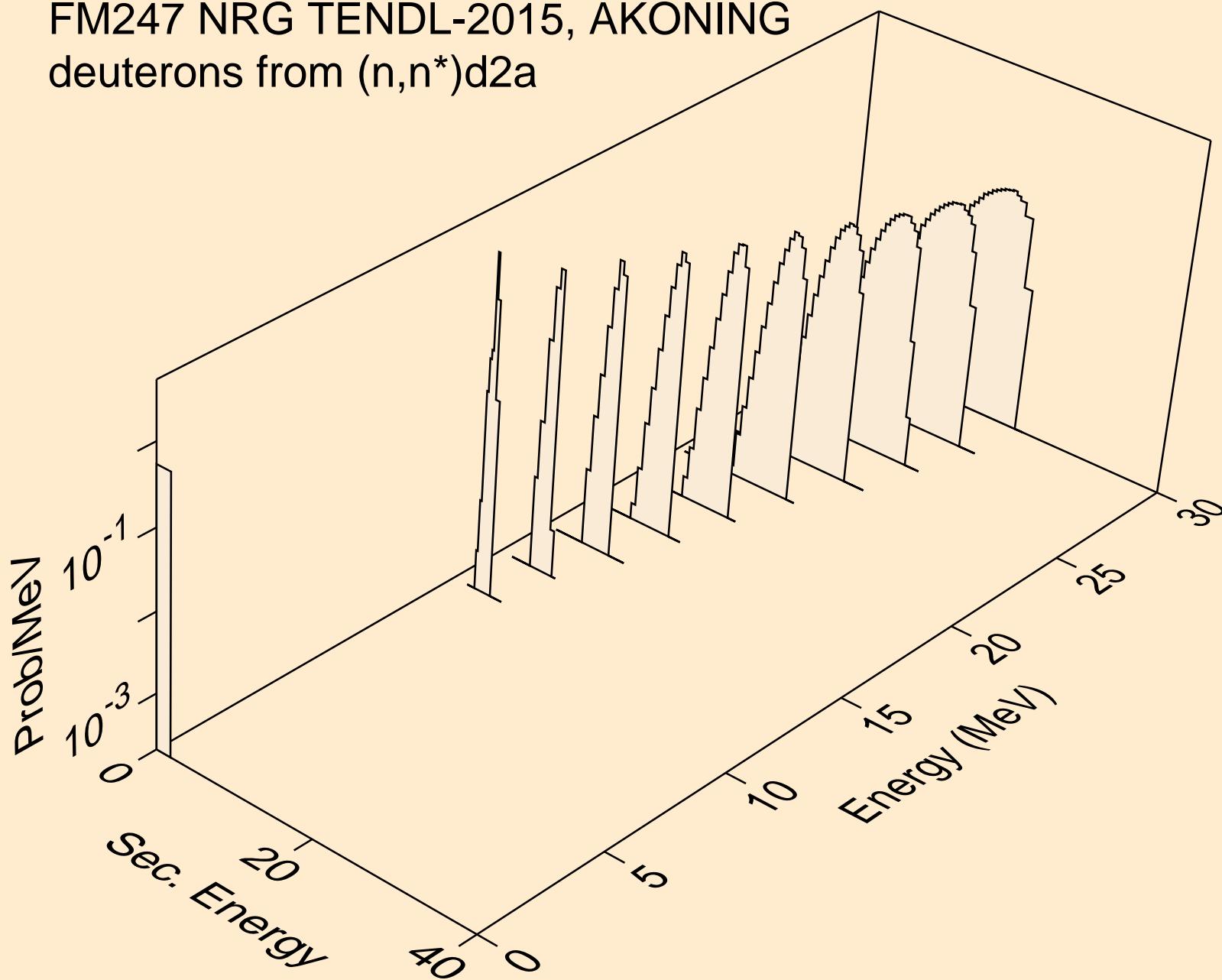
FM247 NRG TENDL-2015, AKONING  
deuterons from ( $n, 2nd$ )



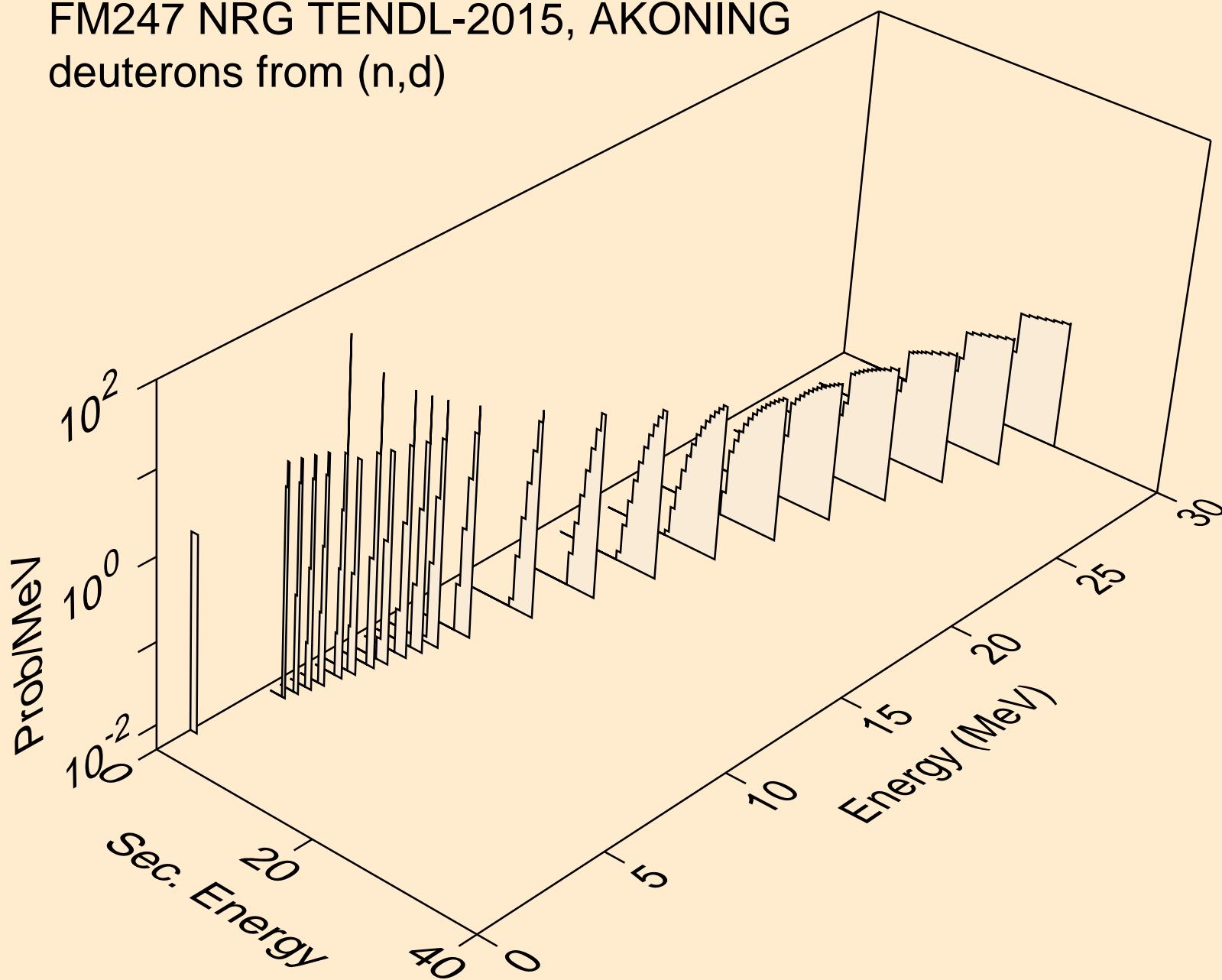
FM247 NRG TENDL-2015, AKONING  
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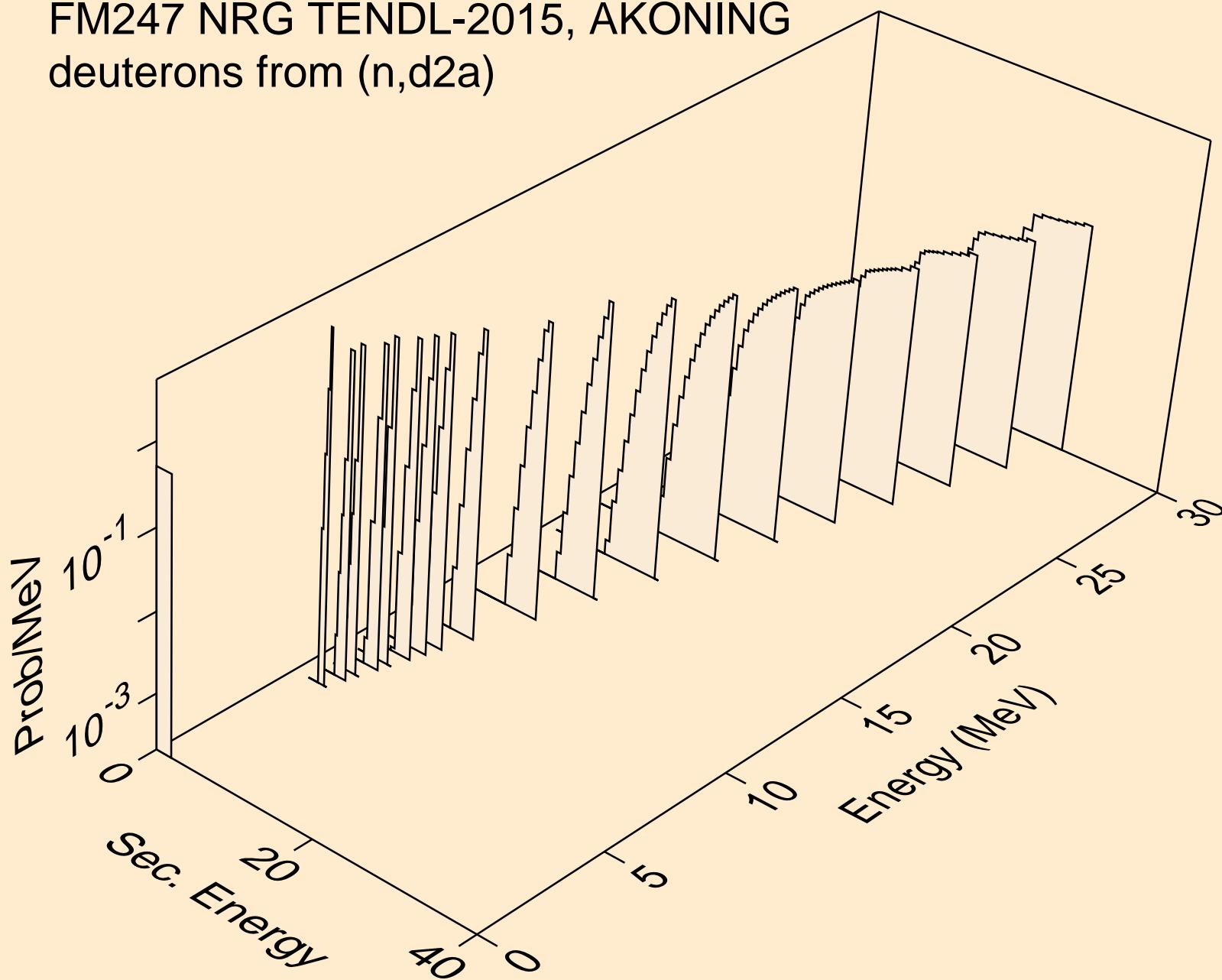
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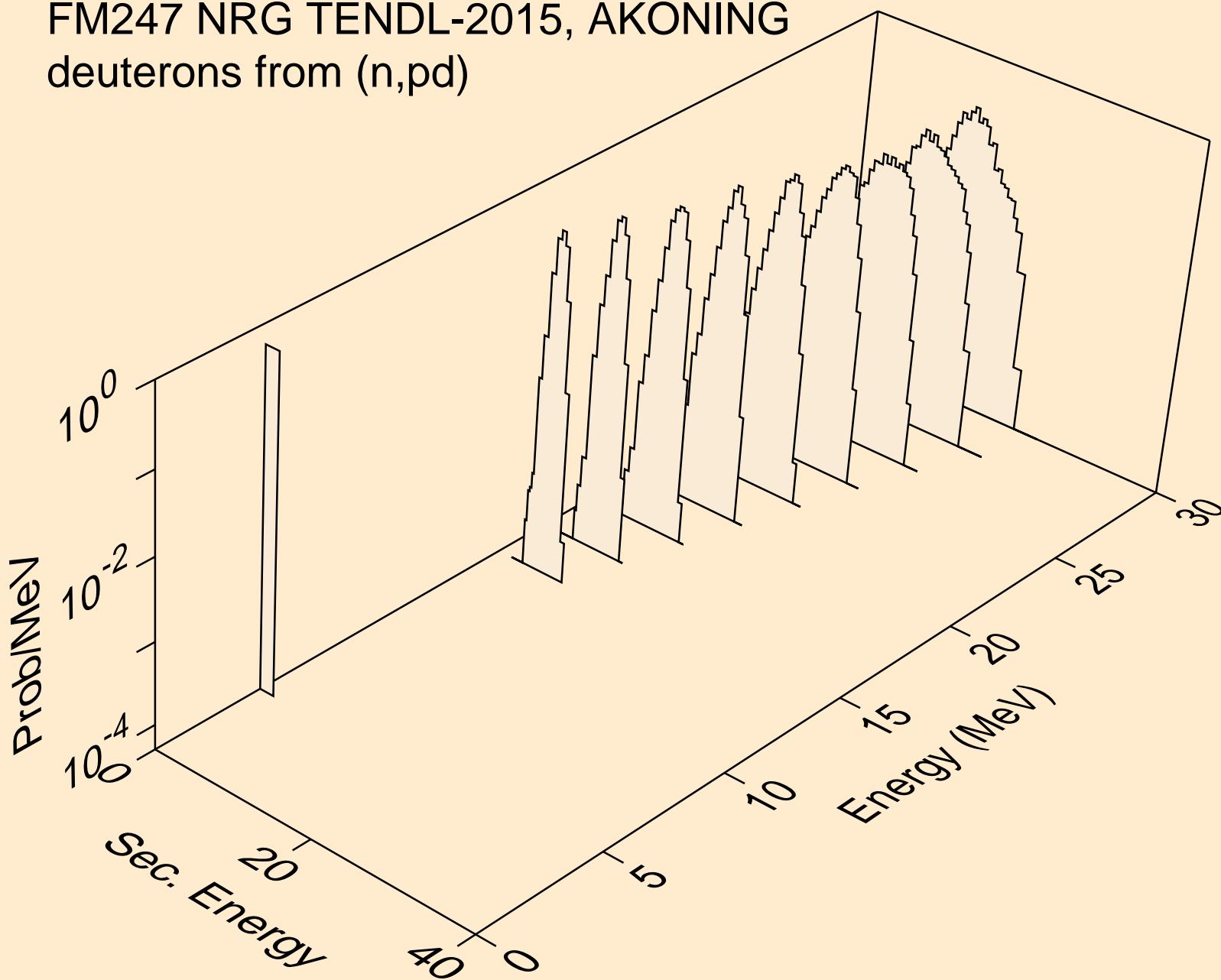
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deuterons from ( $n, d$ )



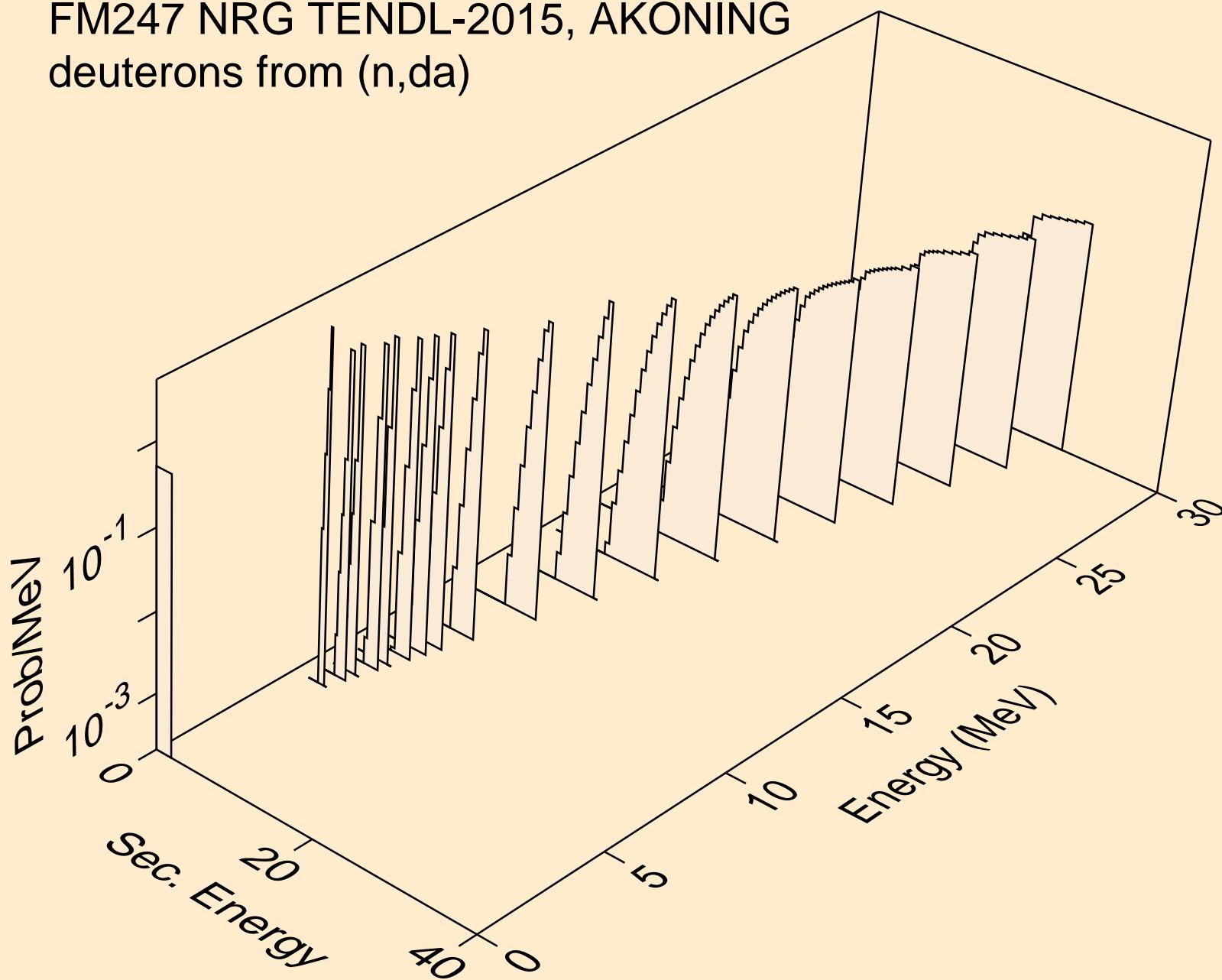
FM247 NRG TENDL-2015, AKONING  
deuterons from ( $n, d_2a$ )



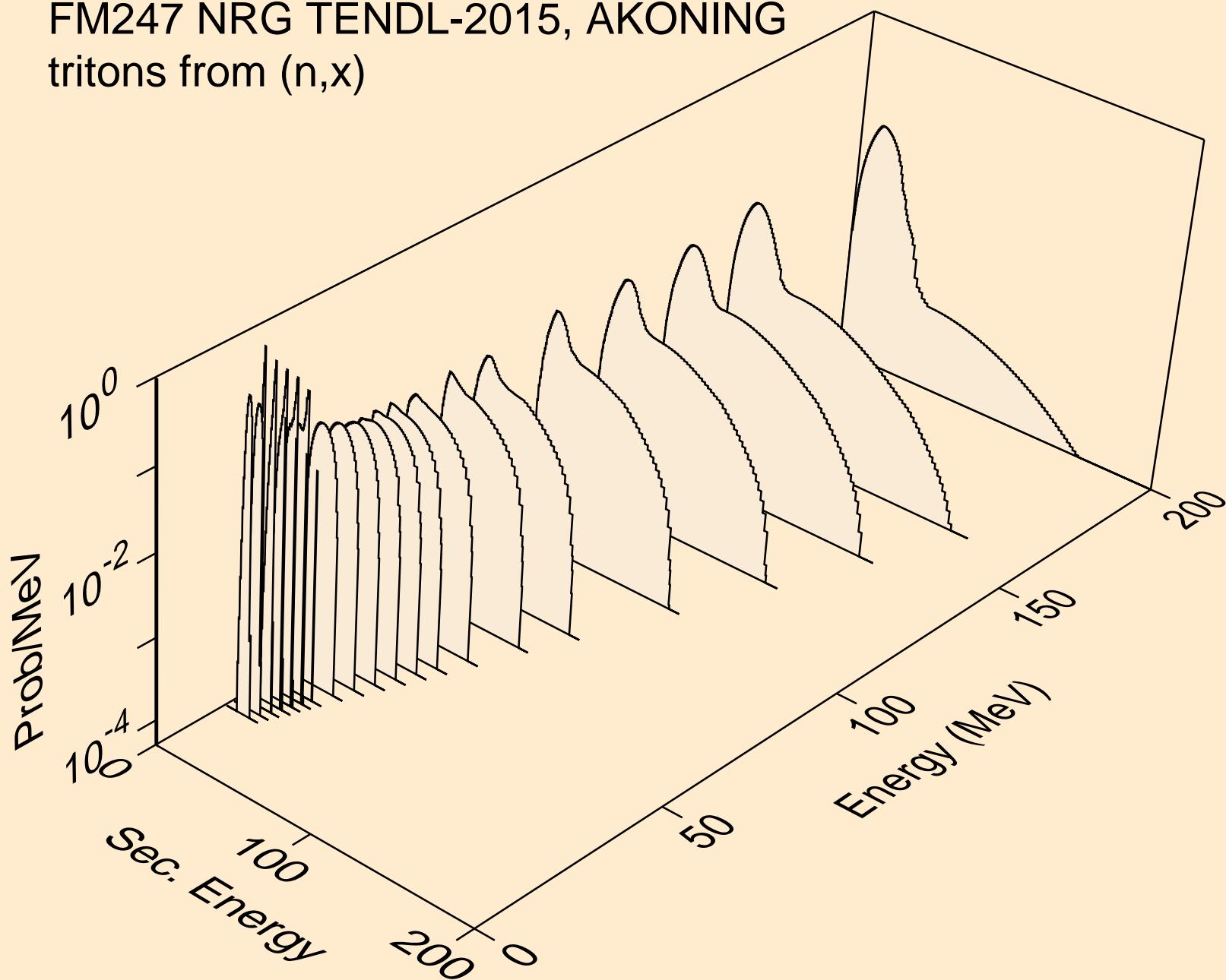
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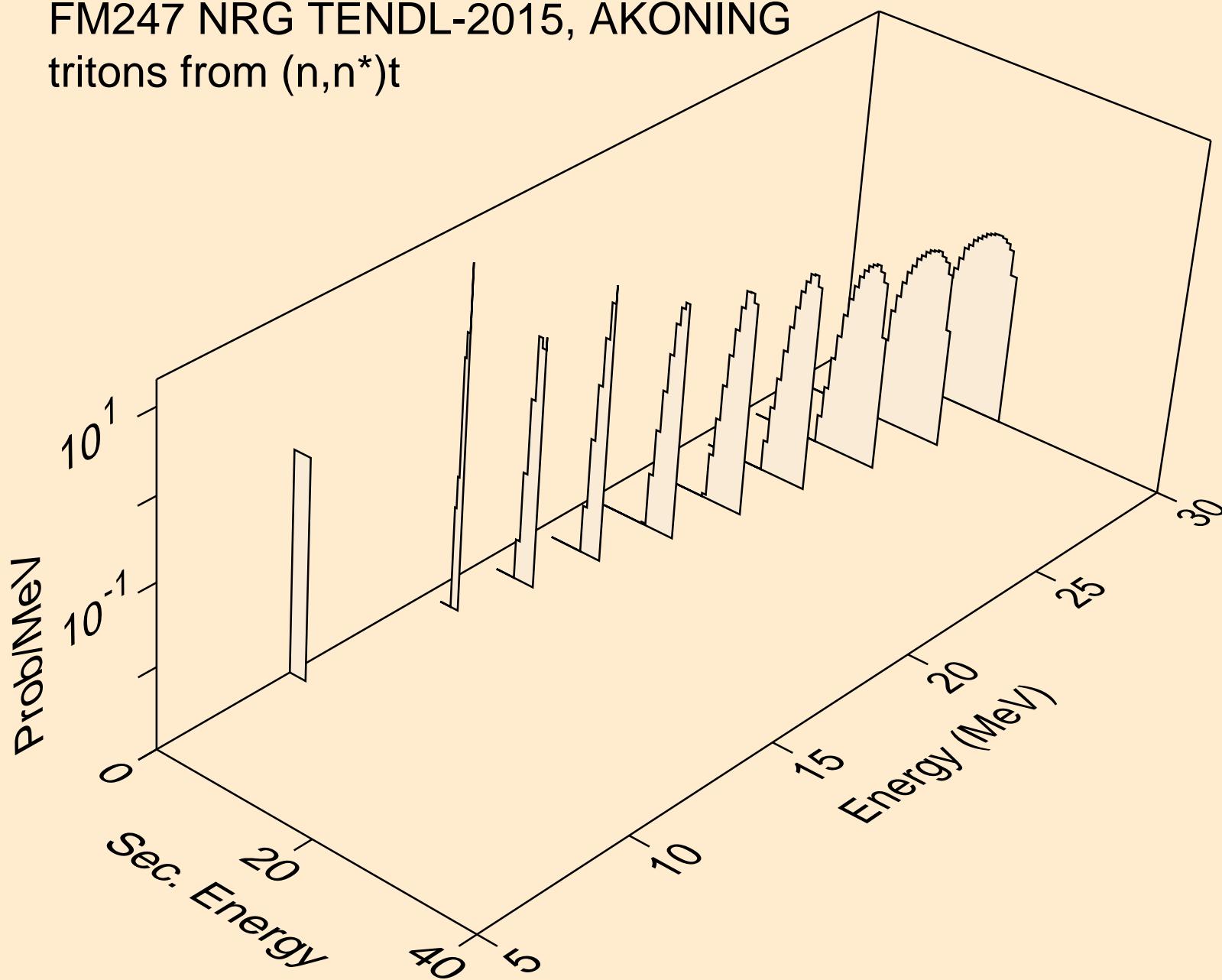
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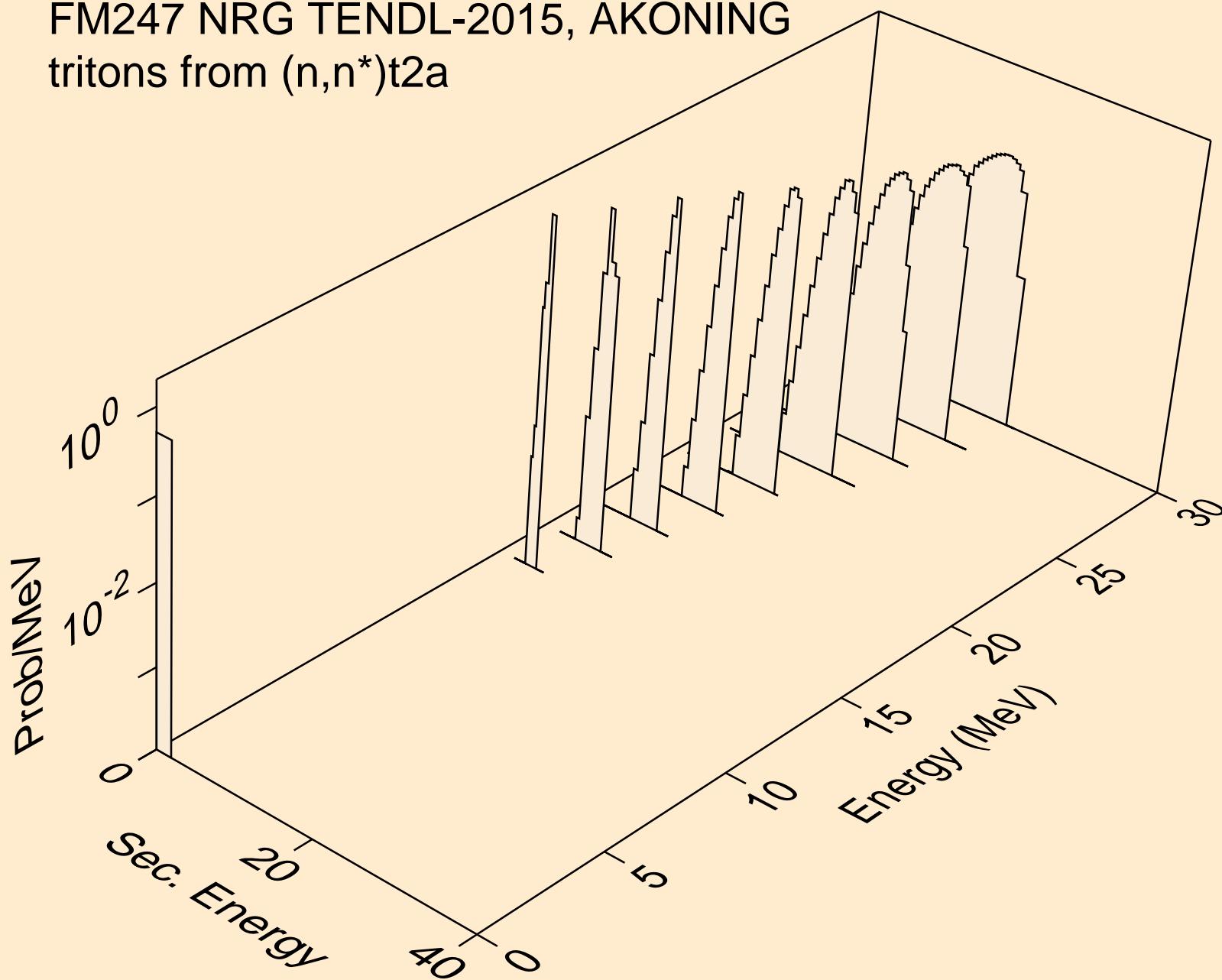
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tritons from ( $n,x$ )



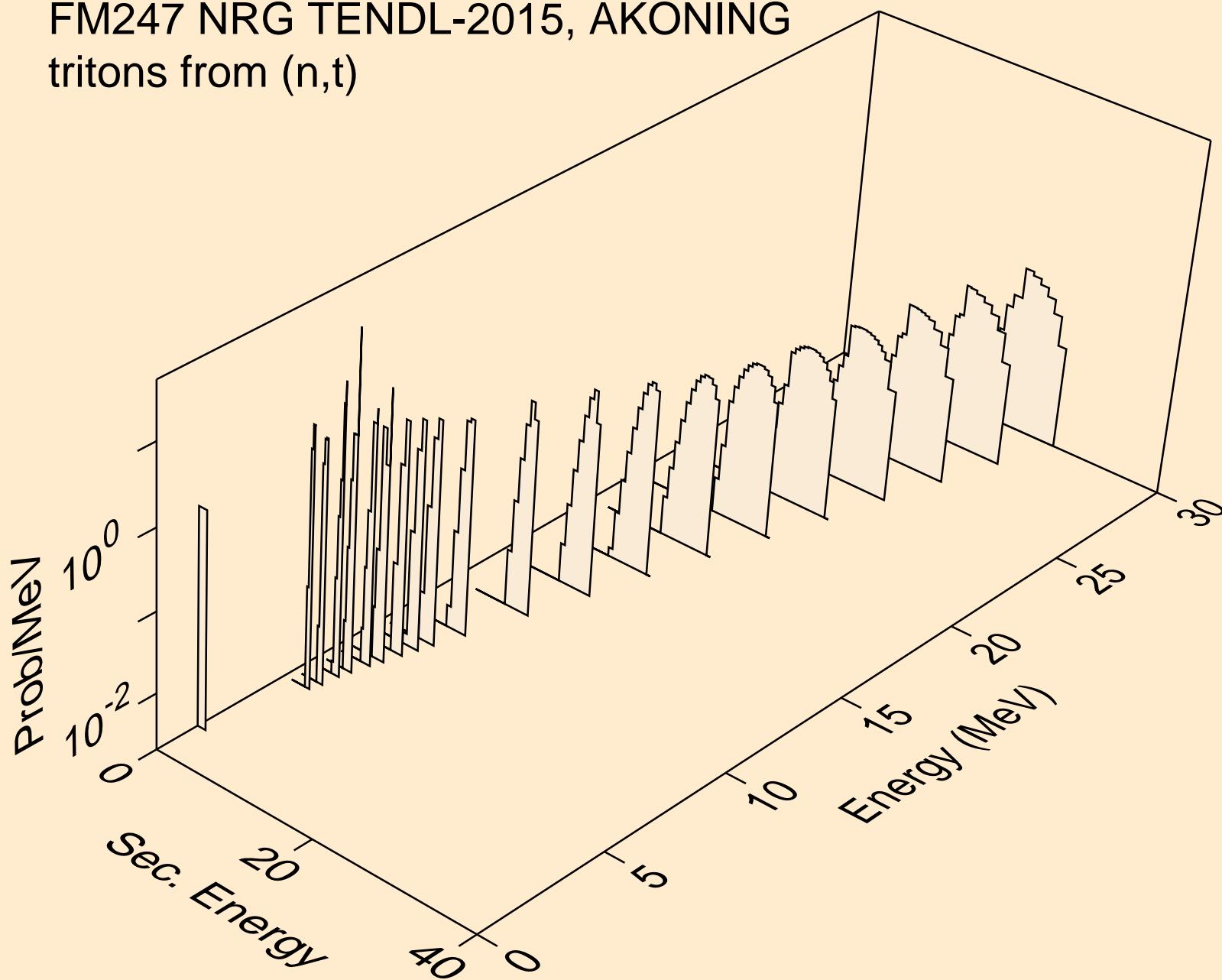
FM247 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



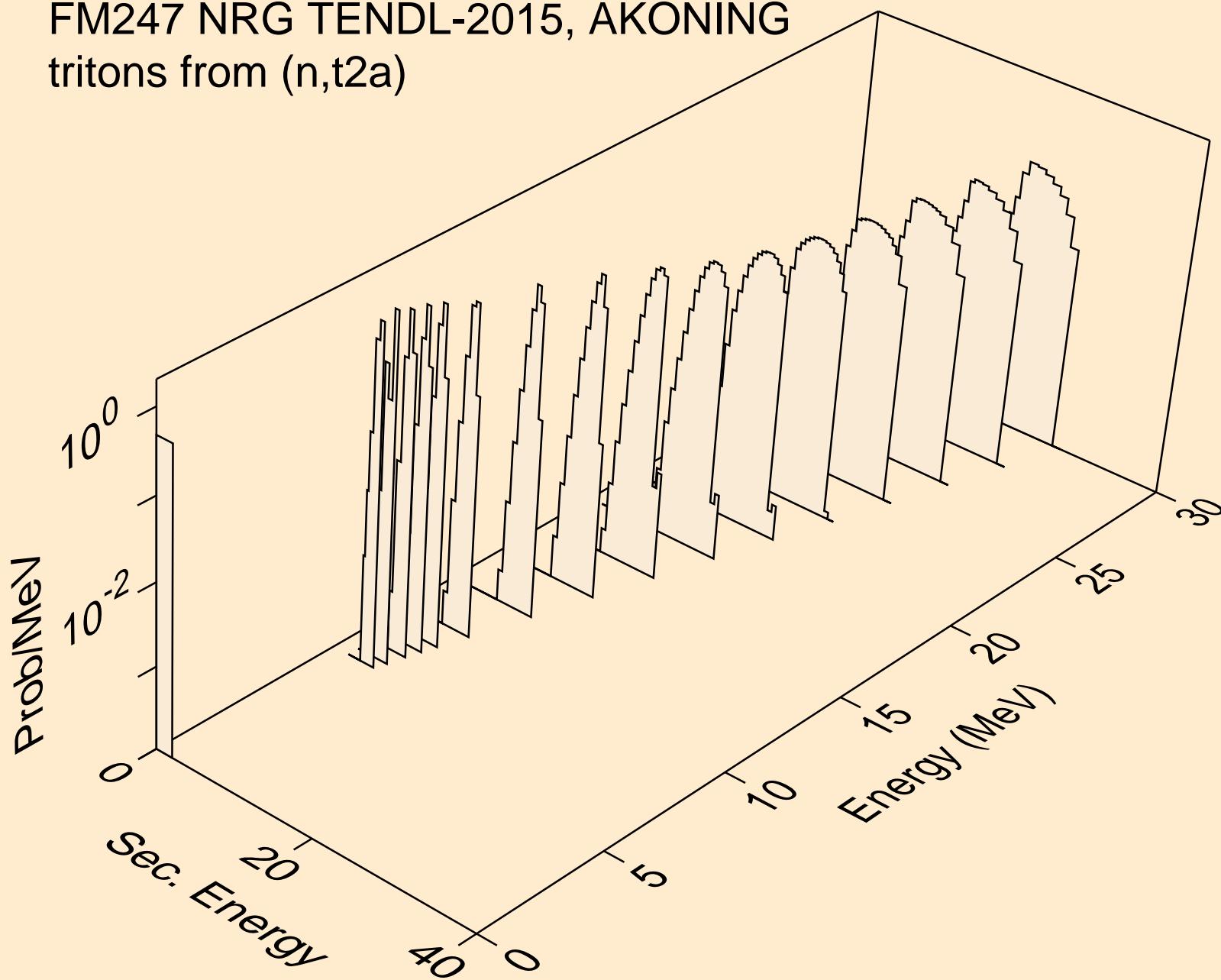
FM247 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t2a$



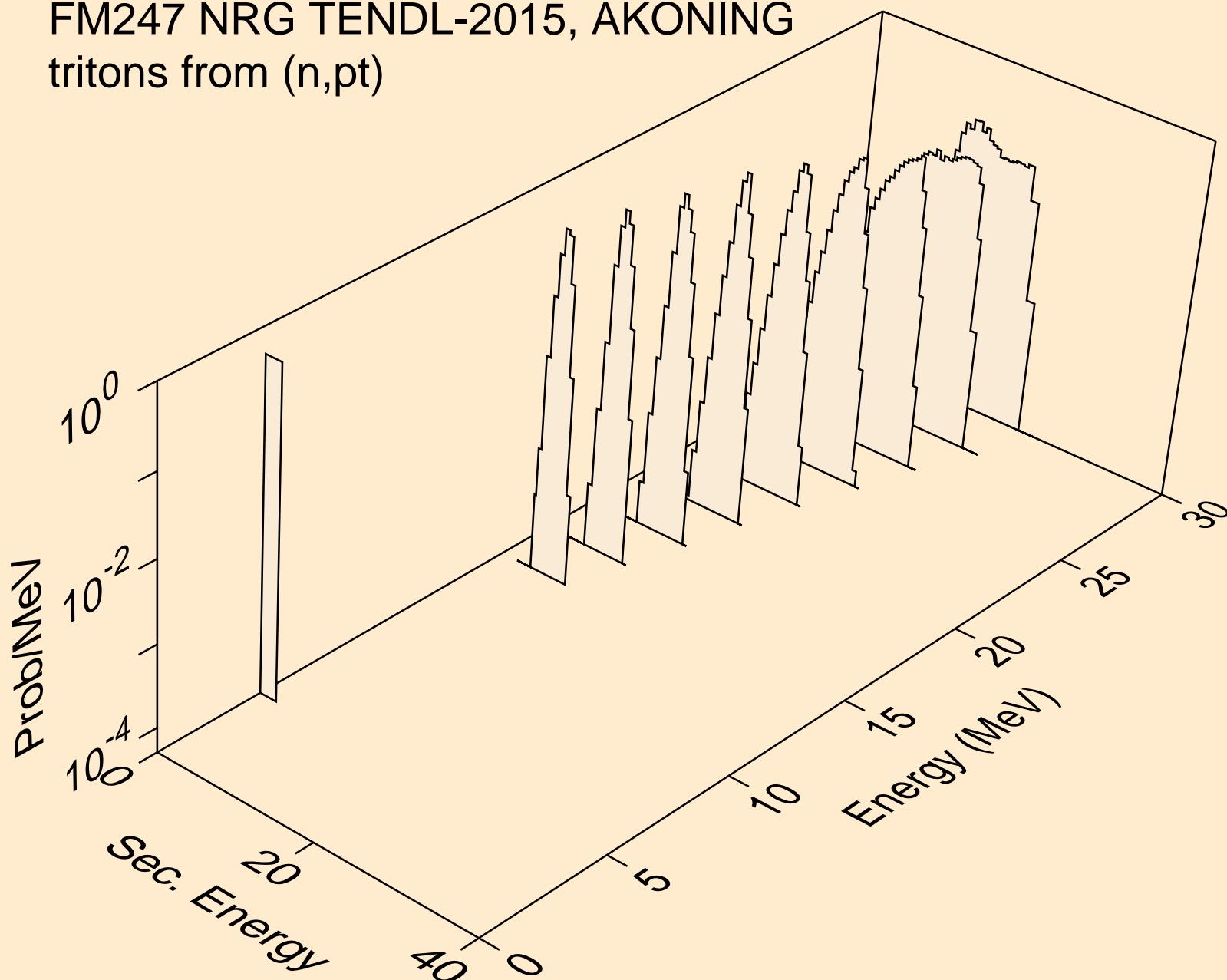
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tritons from (n,t)



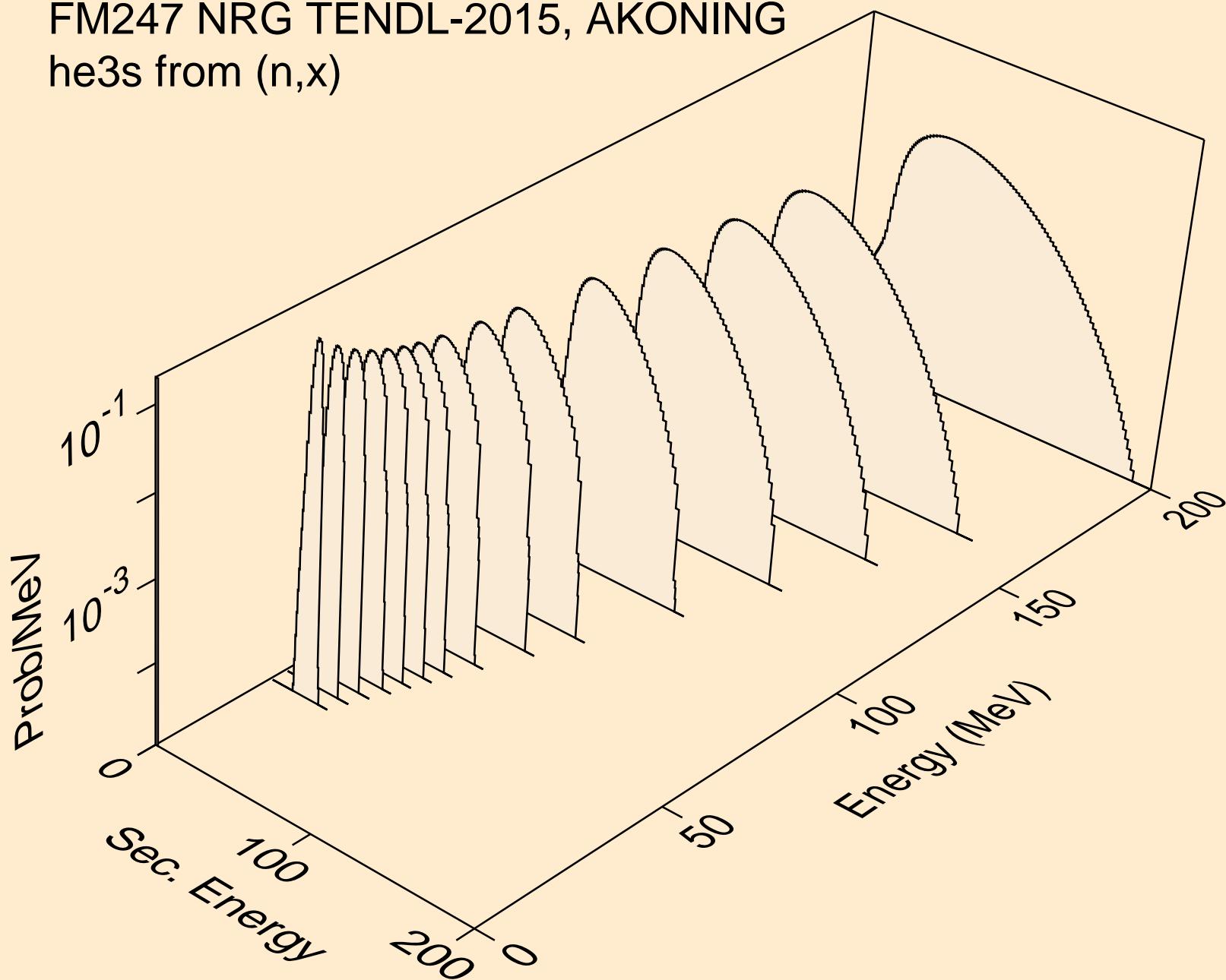
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tritons from ( $n, t_{2a}$ )



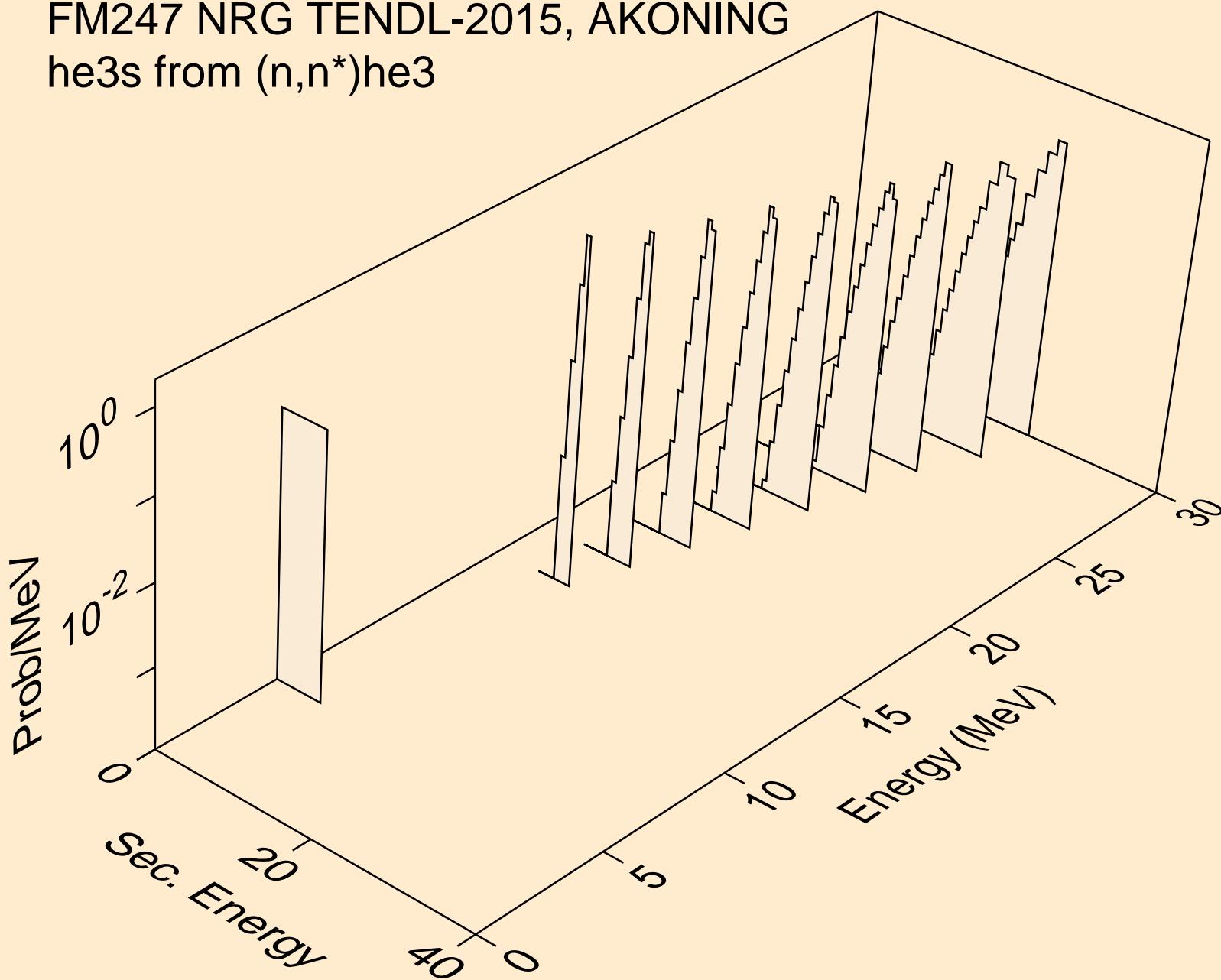
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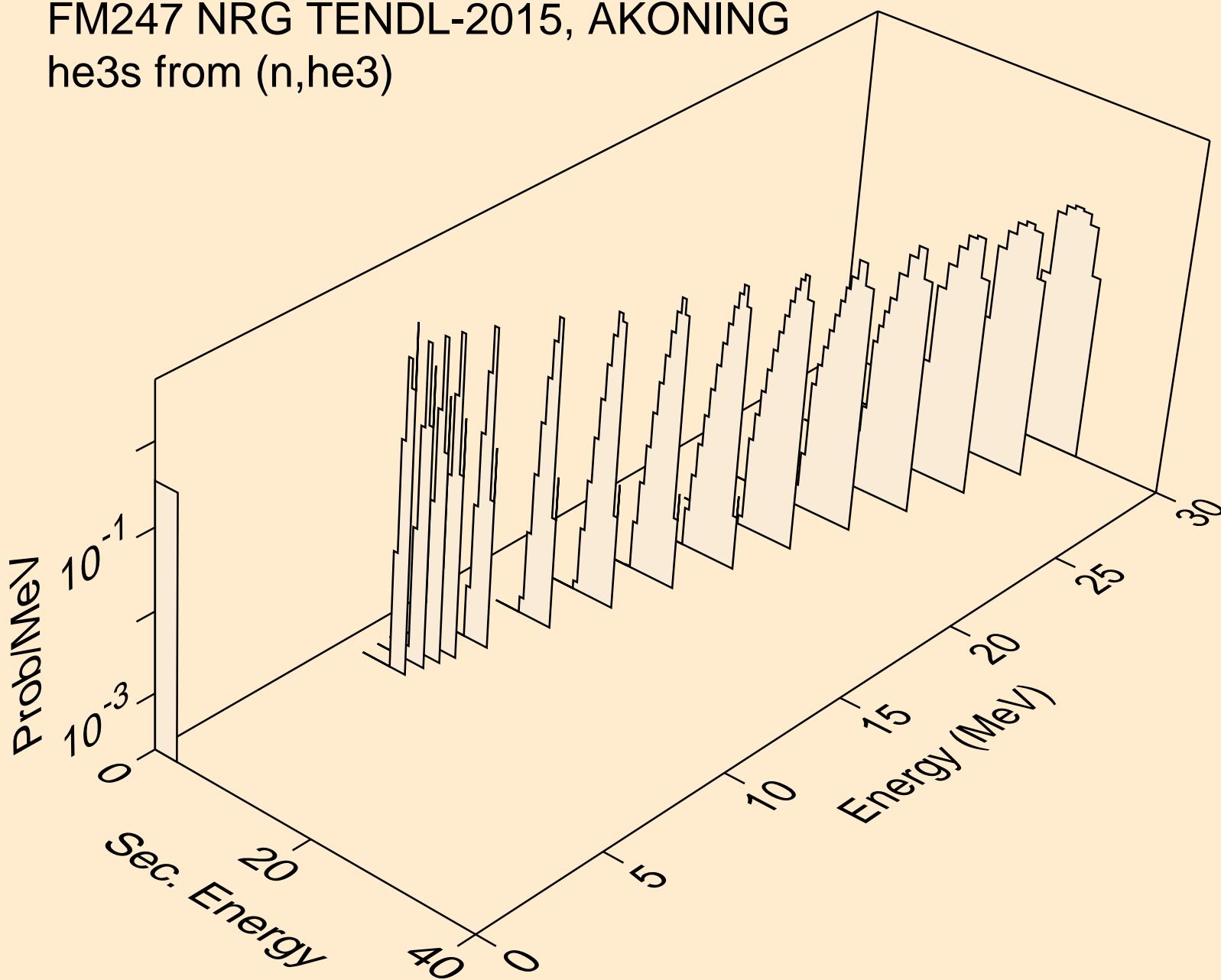
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he3s from (n,x)



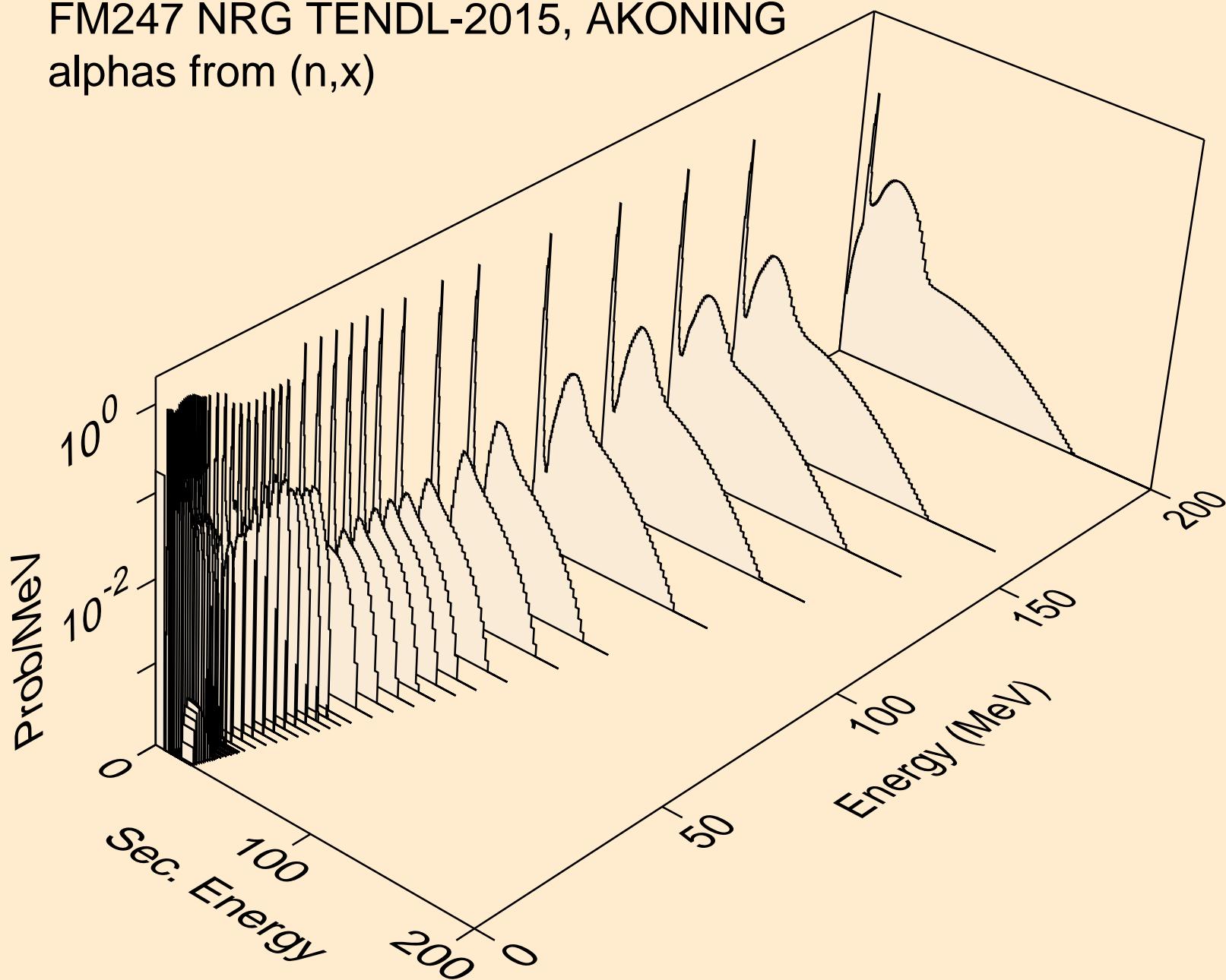
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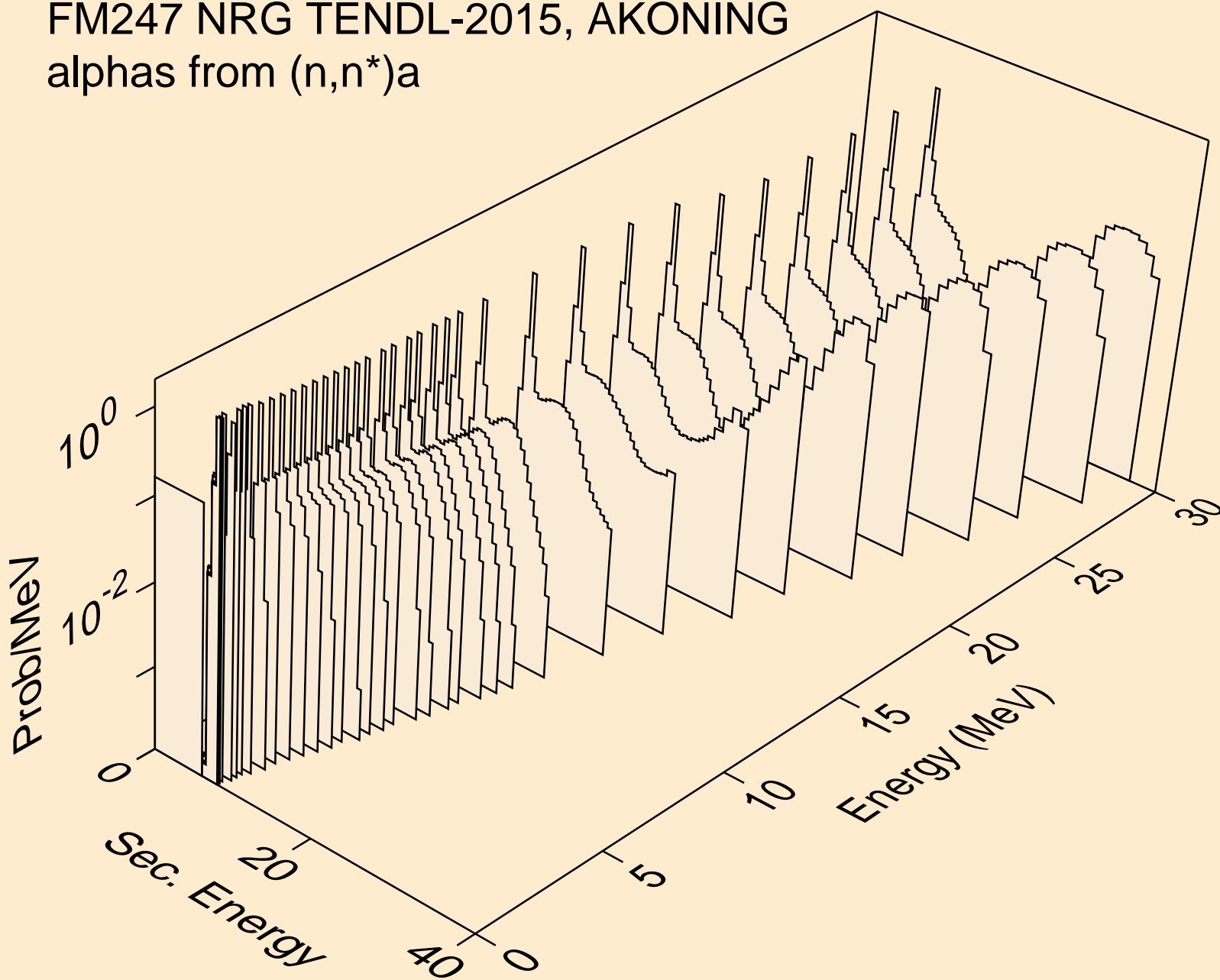
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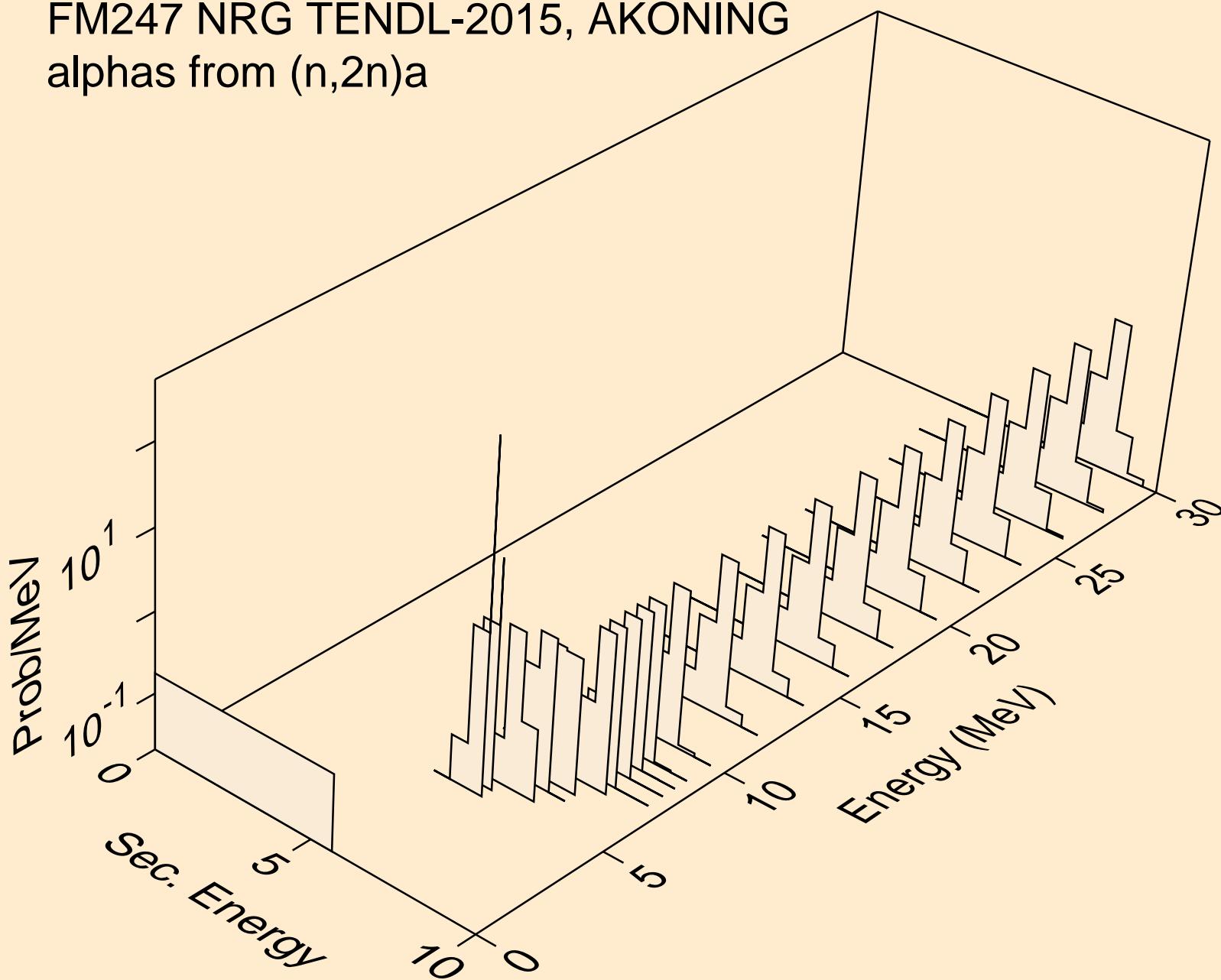
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alphas from (n,x)



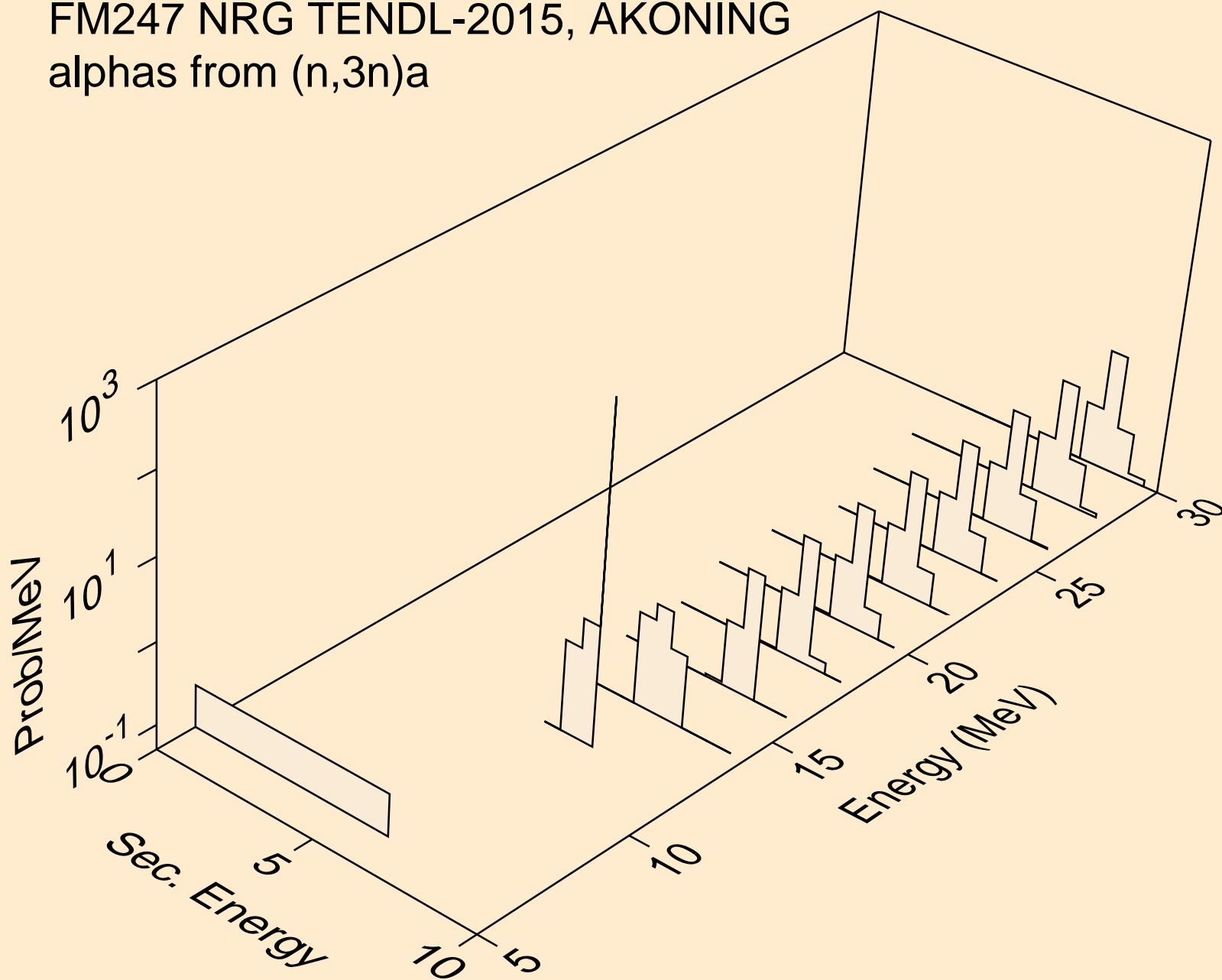
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alphas from  $(n,n^*)a$



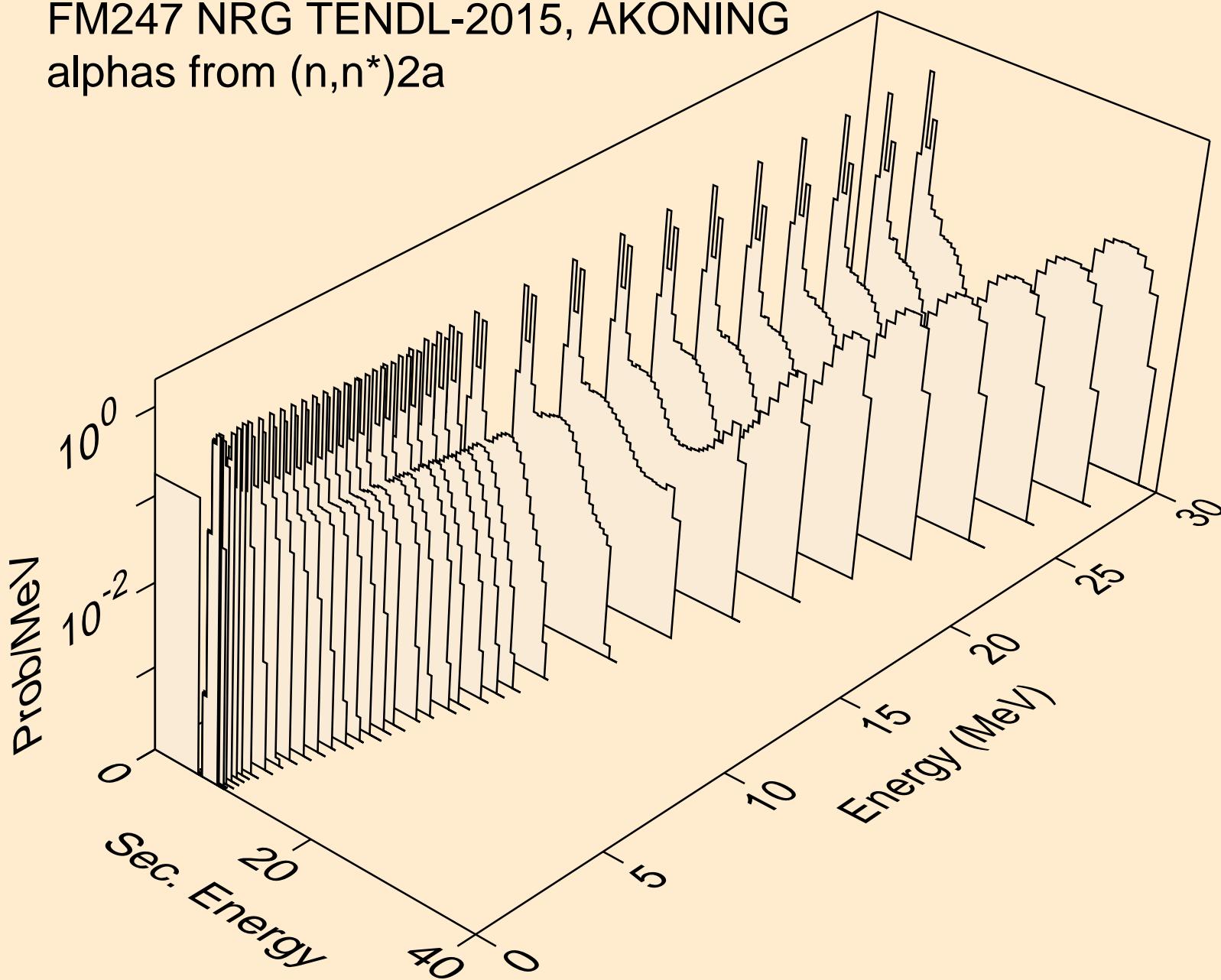
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alphas from ( $n,2n$ )a



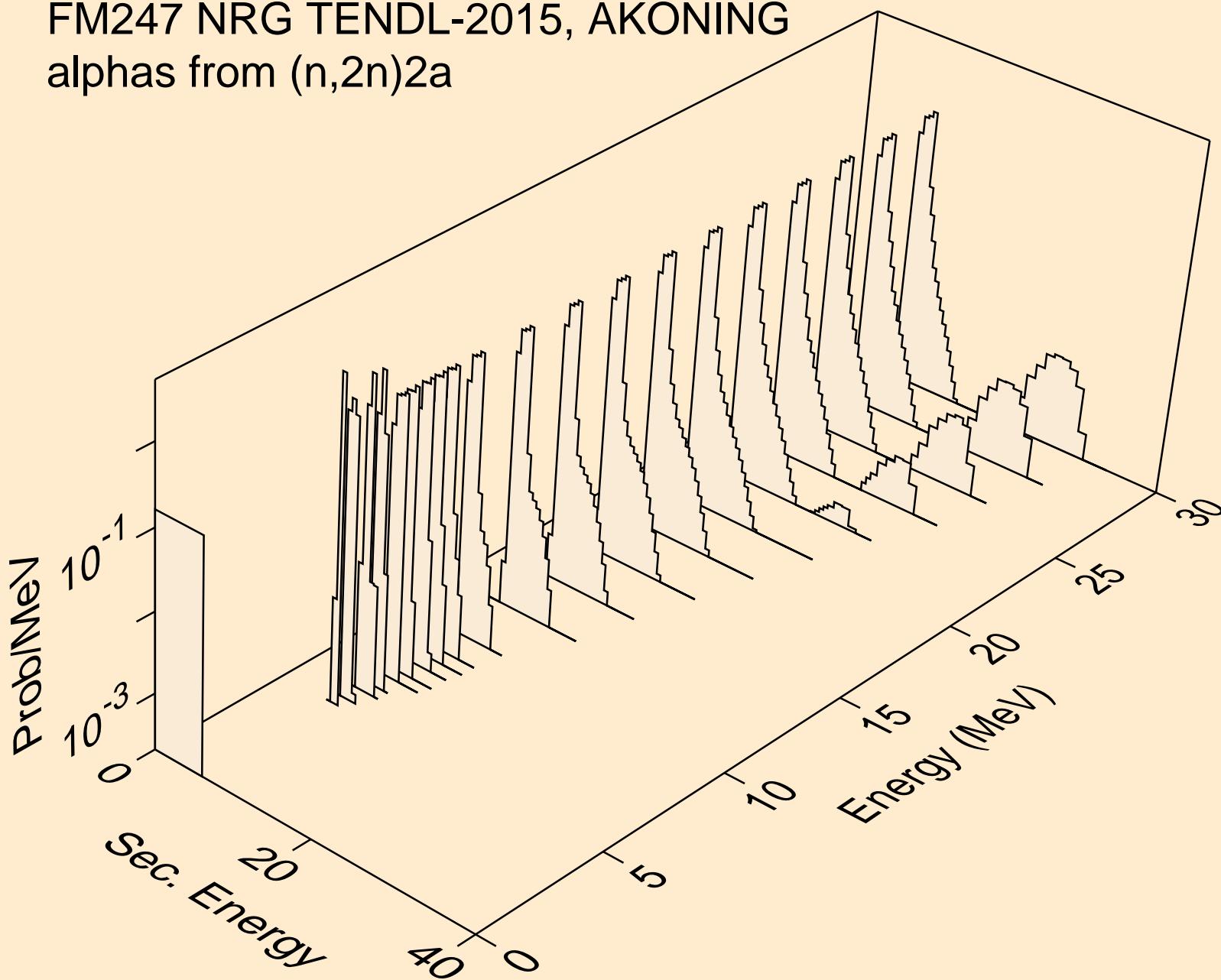
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alphas from  $(n,3n)a$



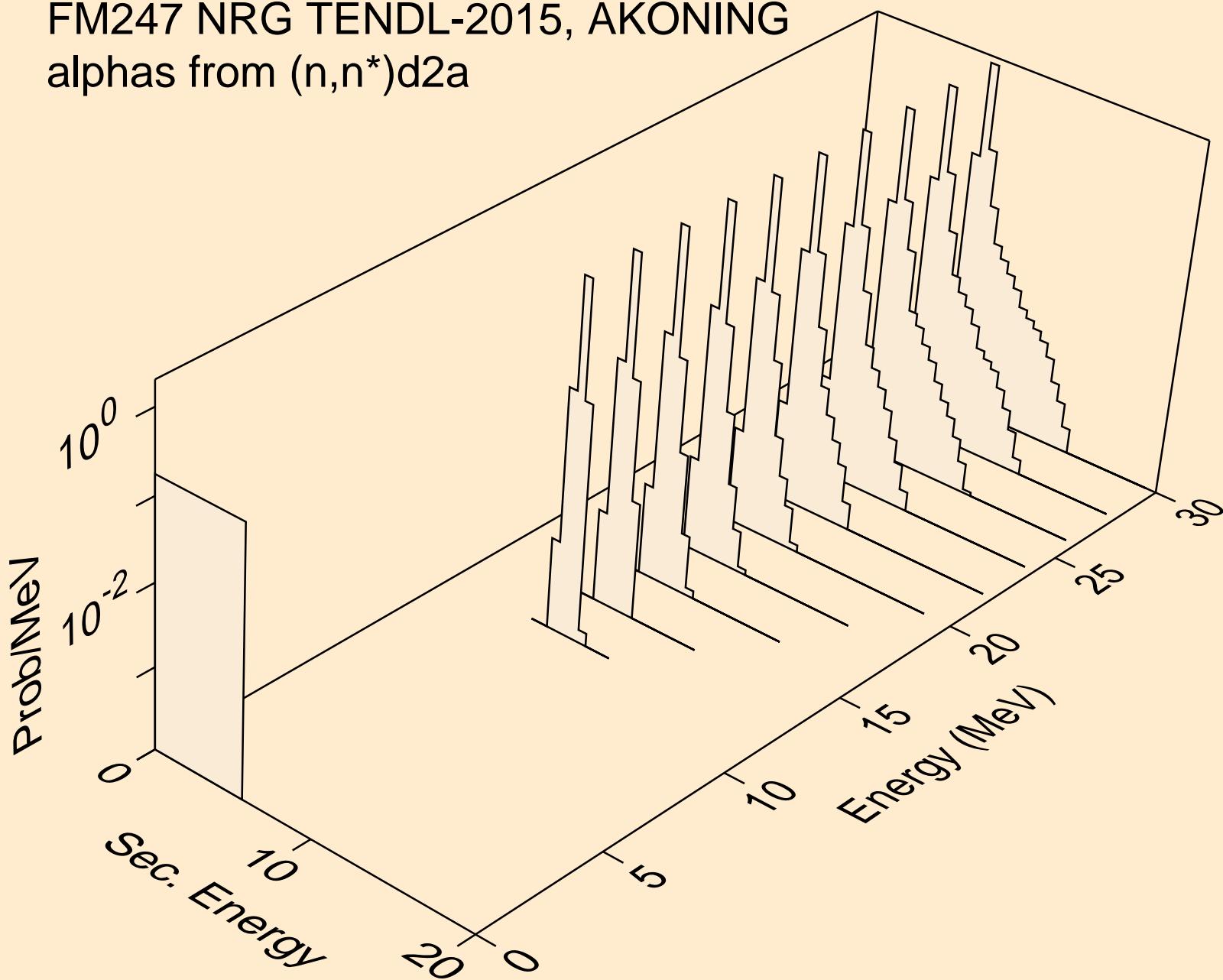
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alphas from  $(n,n^*)2a$



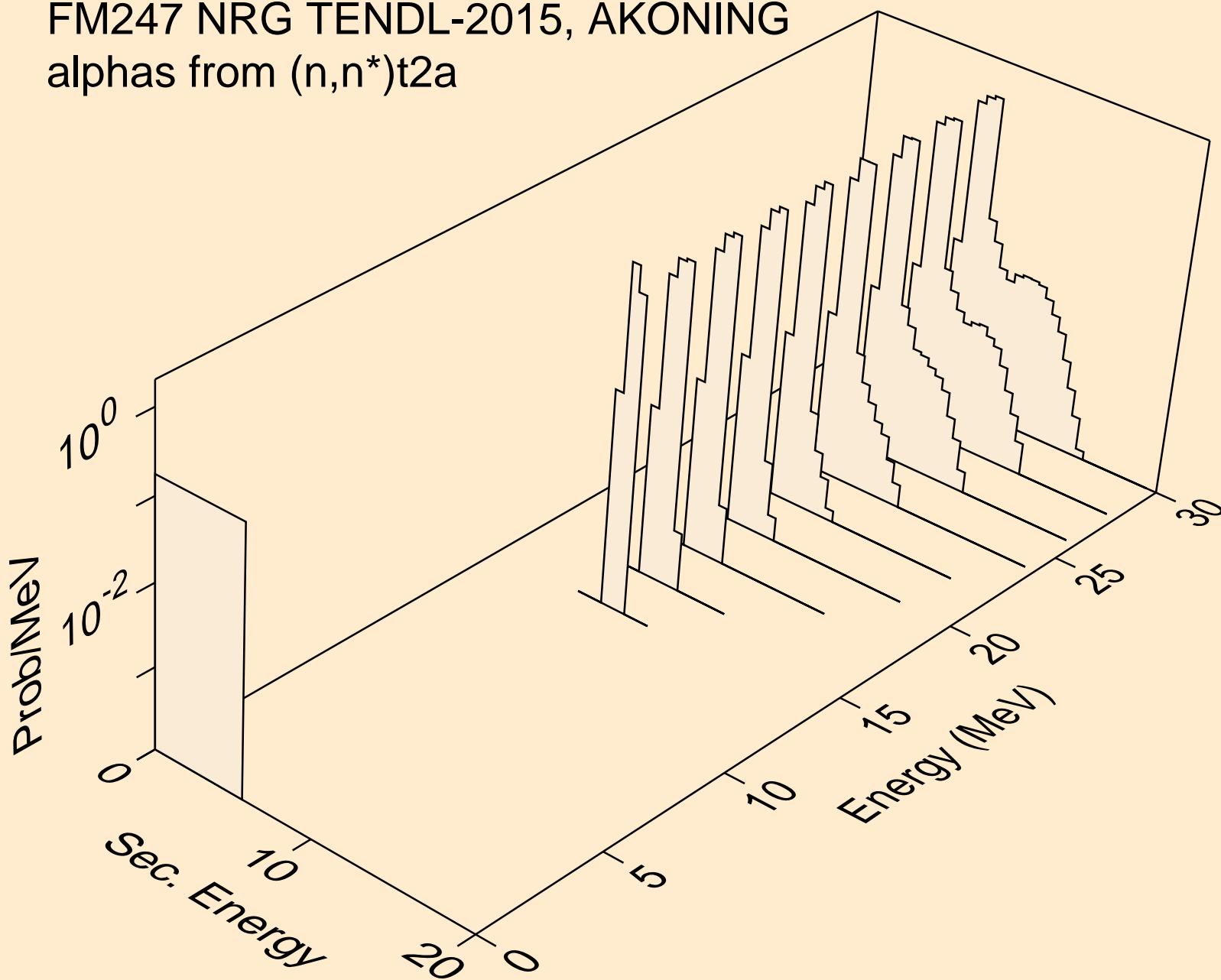
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alphas from  $(n,2n)2a$



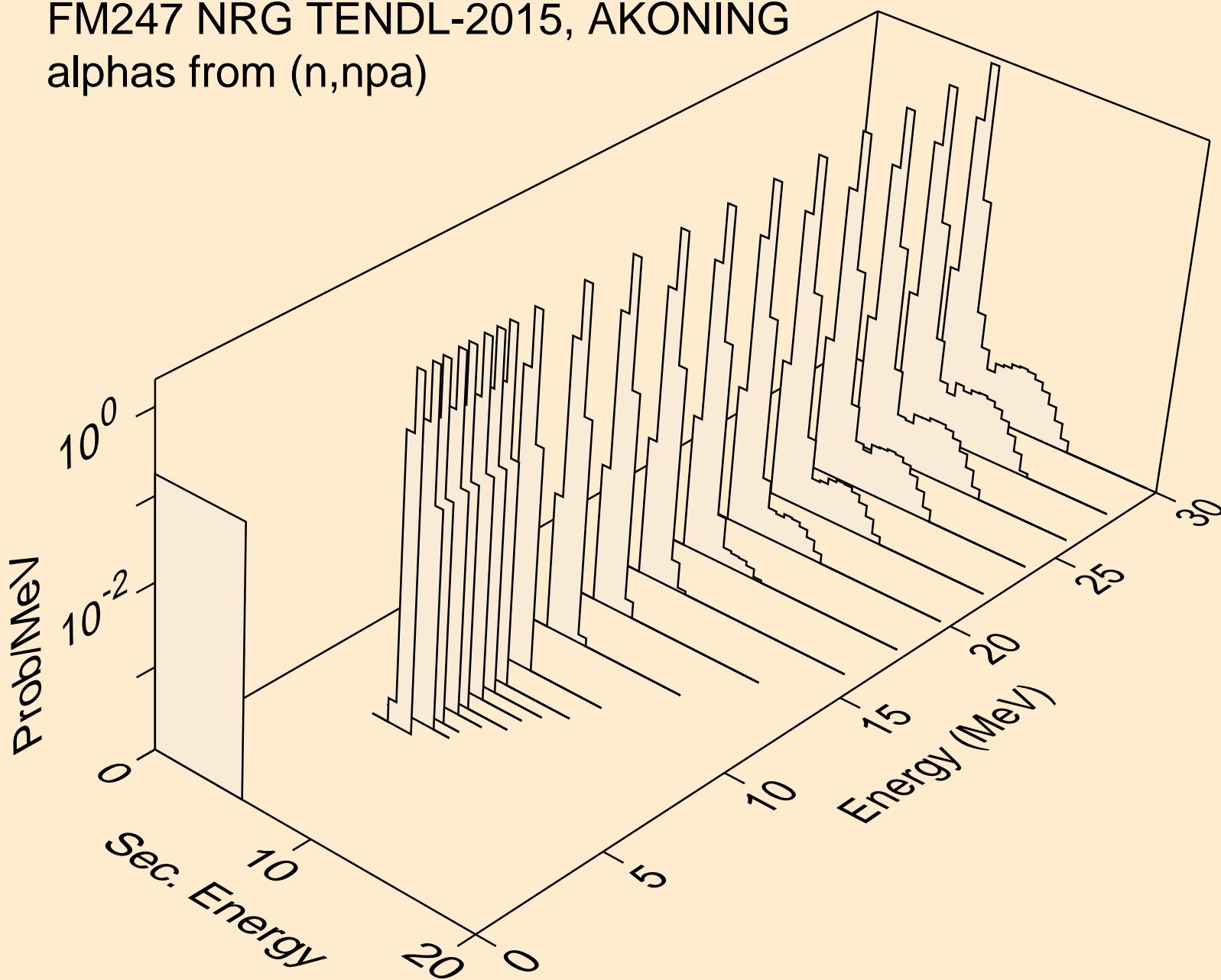
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alphas from  $(n,n^*)d2a$



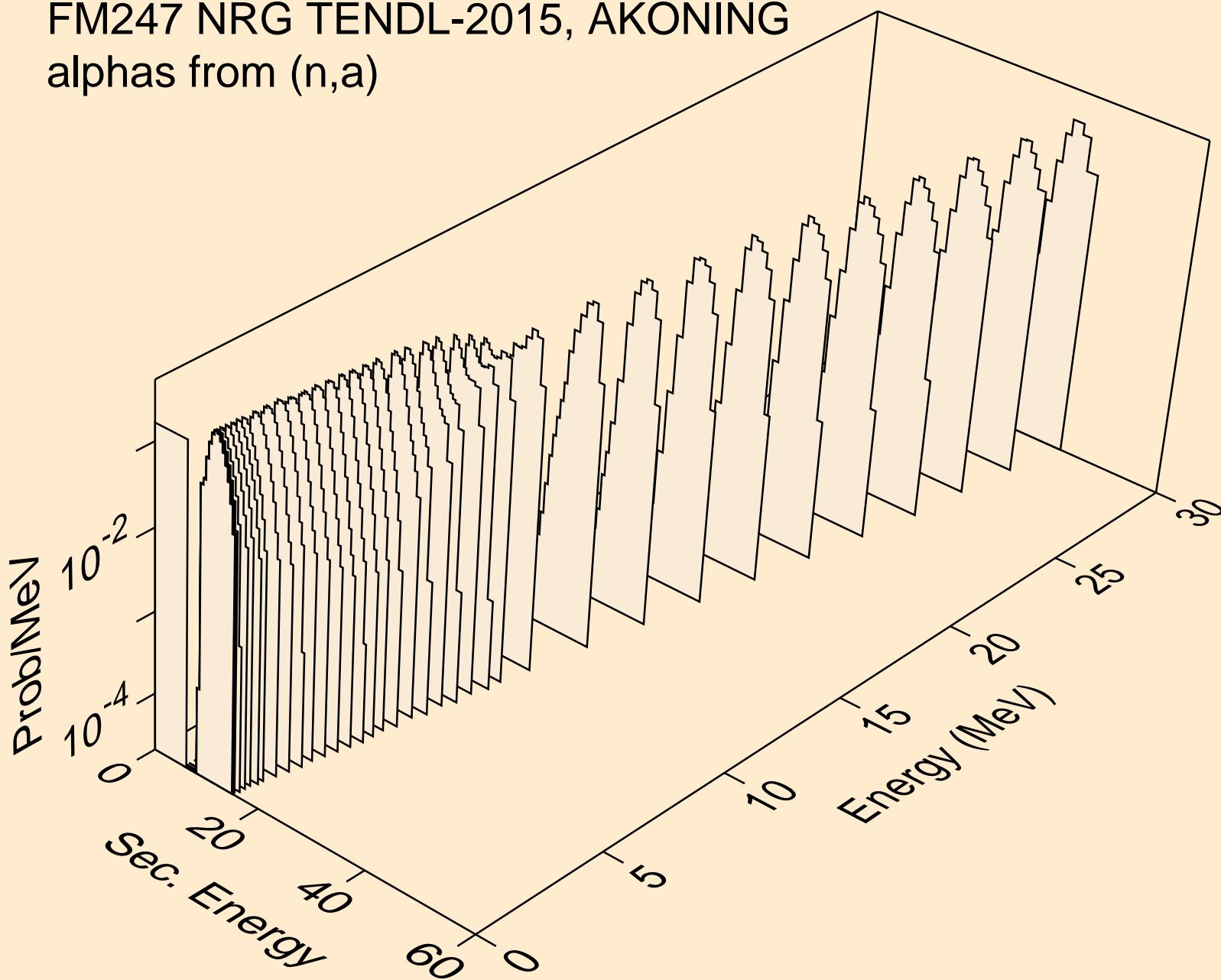
FM247 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)t2a$



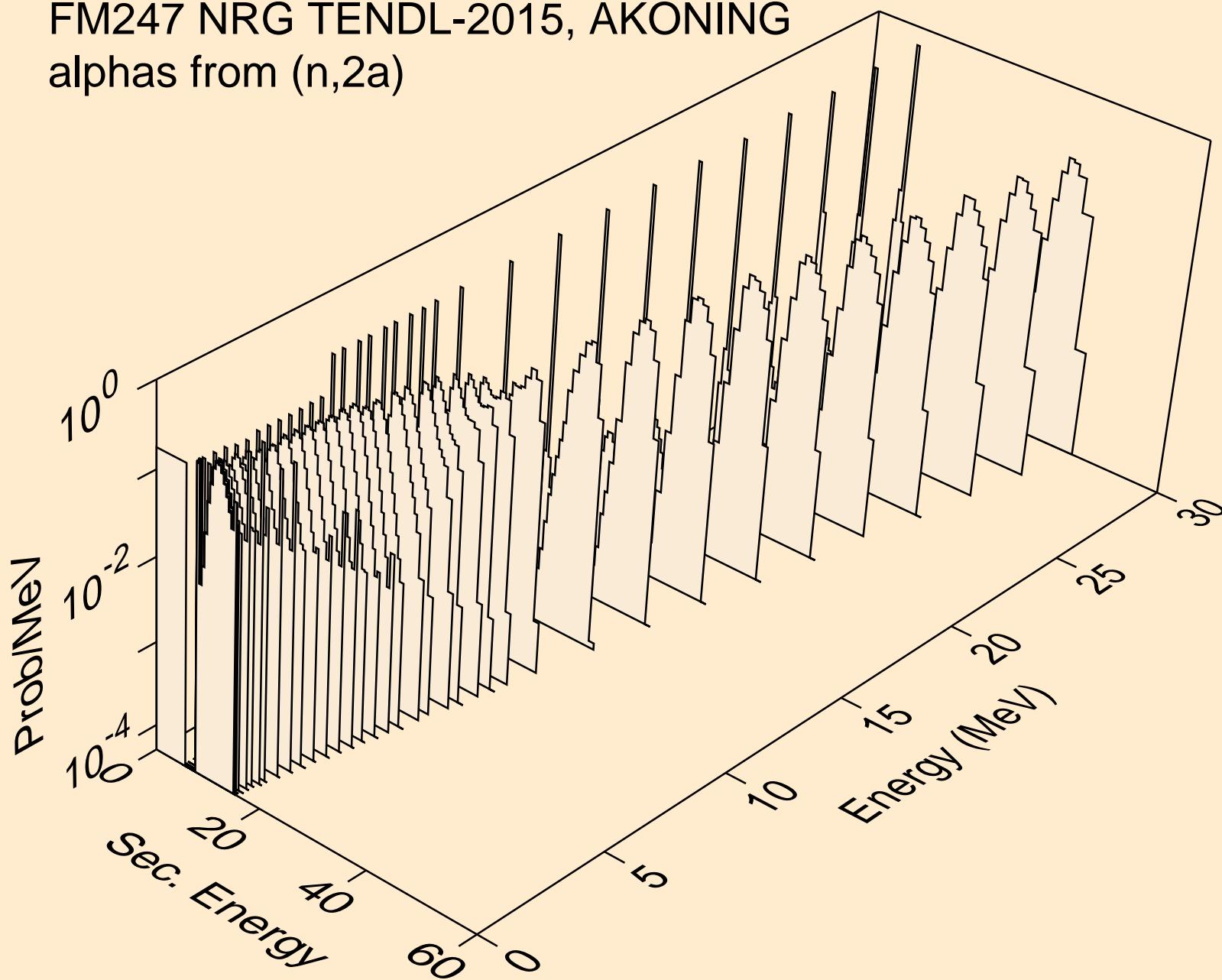
FM247 NRG TENDL-2015, AKONING  
alphas from (n,npa)



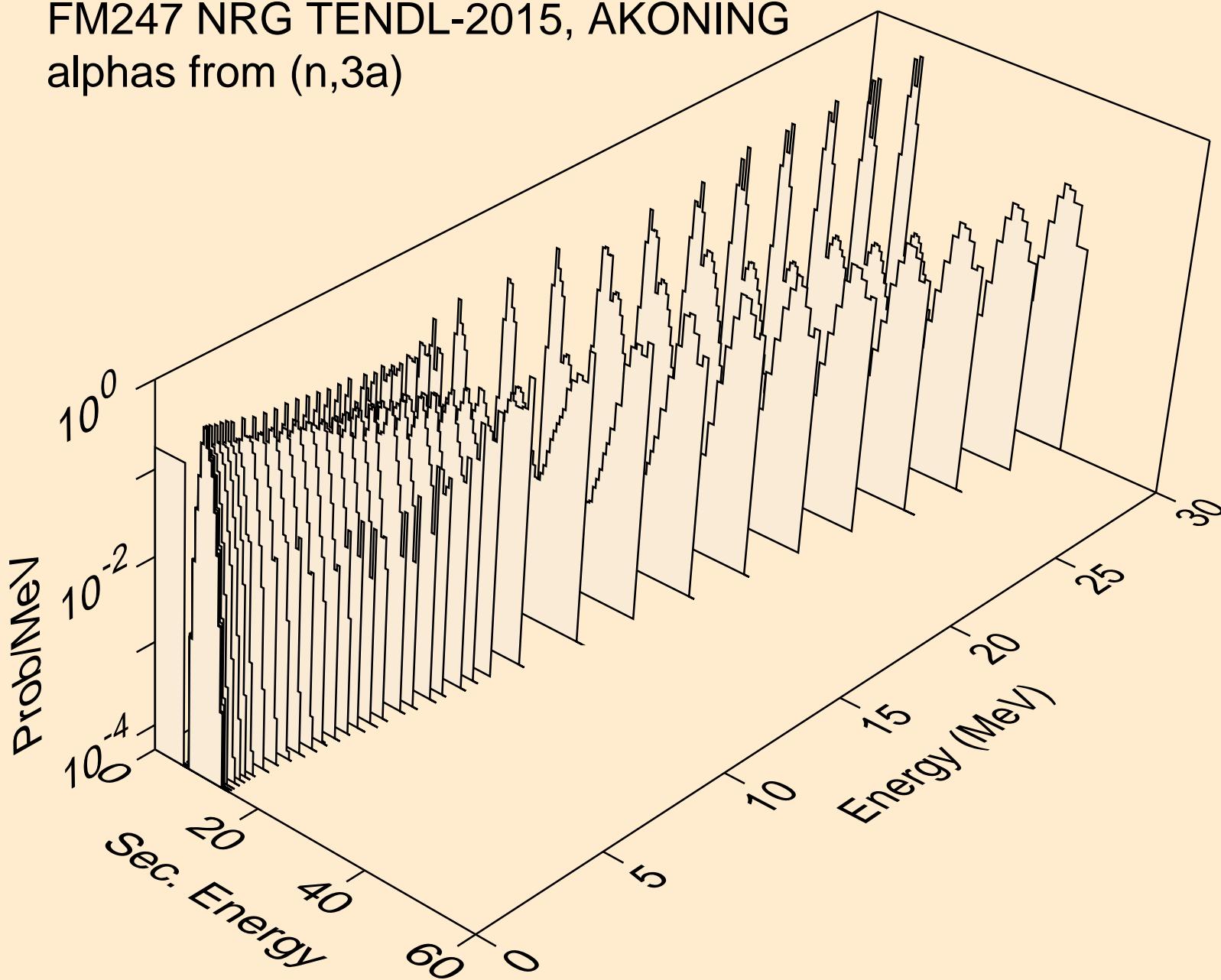
FM247 NRG TENDL-2015, AKONING  
alphas from (n,a)



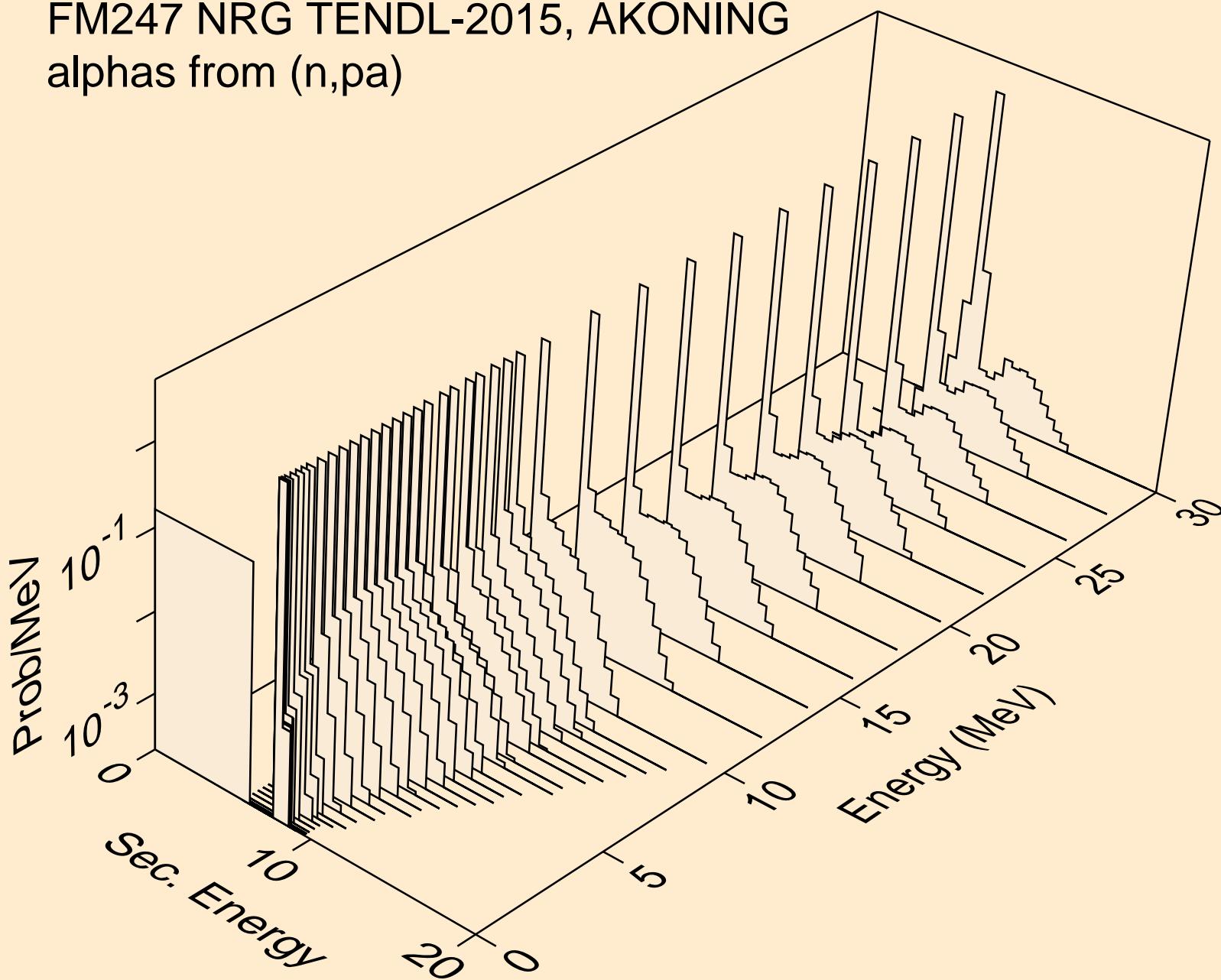
FM247 NRG TENDL-2015, AKONING  
alphas from ( $n,2a$ )



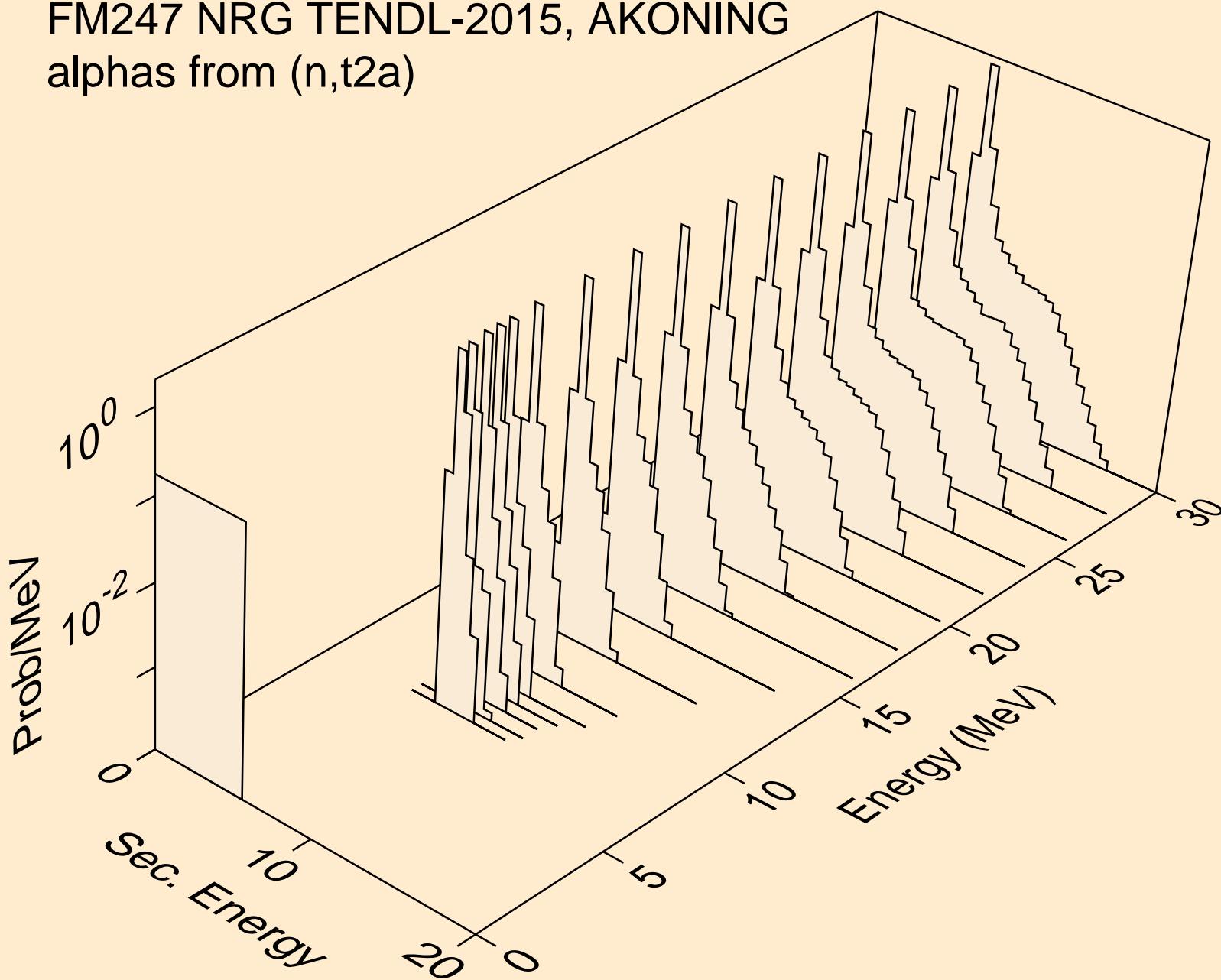
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alphas from ( $n,3a$ )



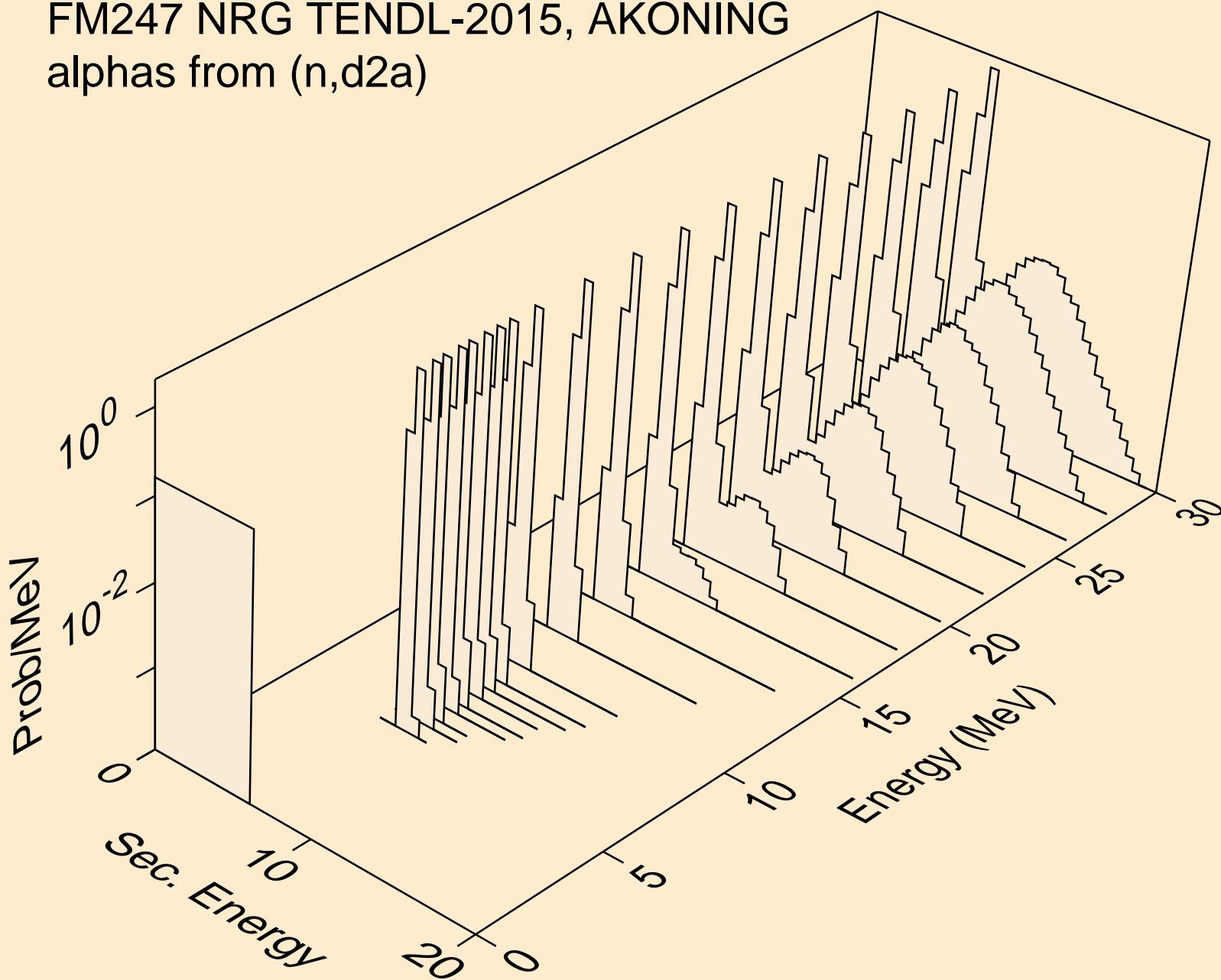
FM247 NRG TENDL-2015, AKONING  
alphas from (n,pa)



FM247 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



FM247 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



FM247 NRG TENDL-2015, AKONING  
alphas from (n,da)

