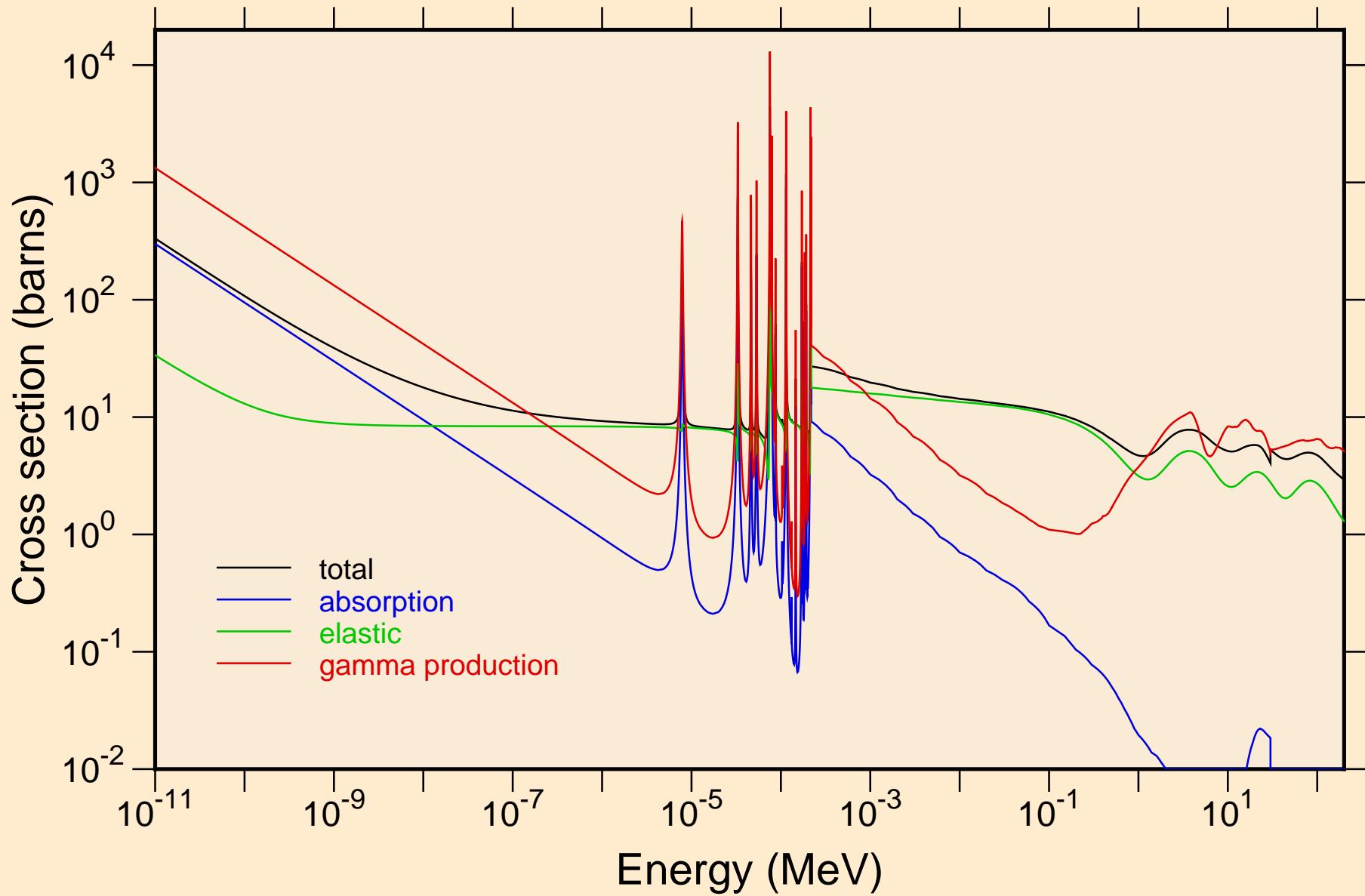
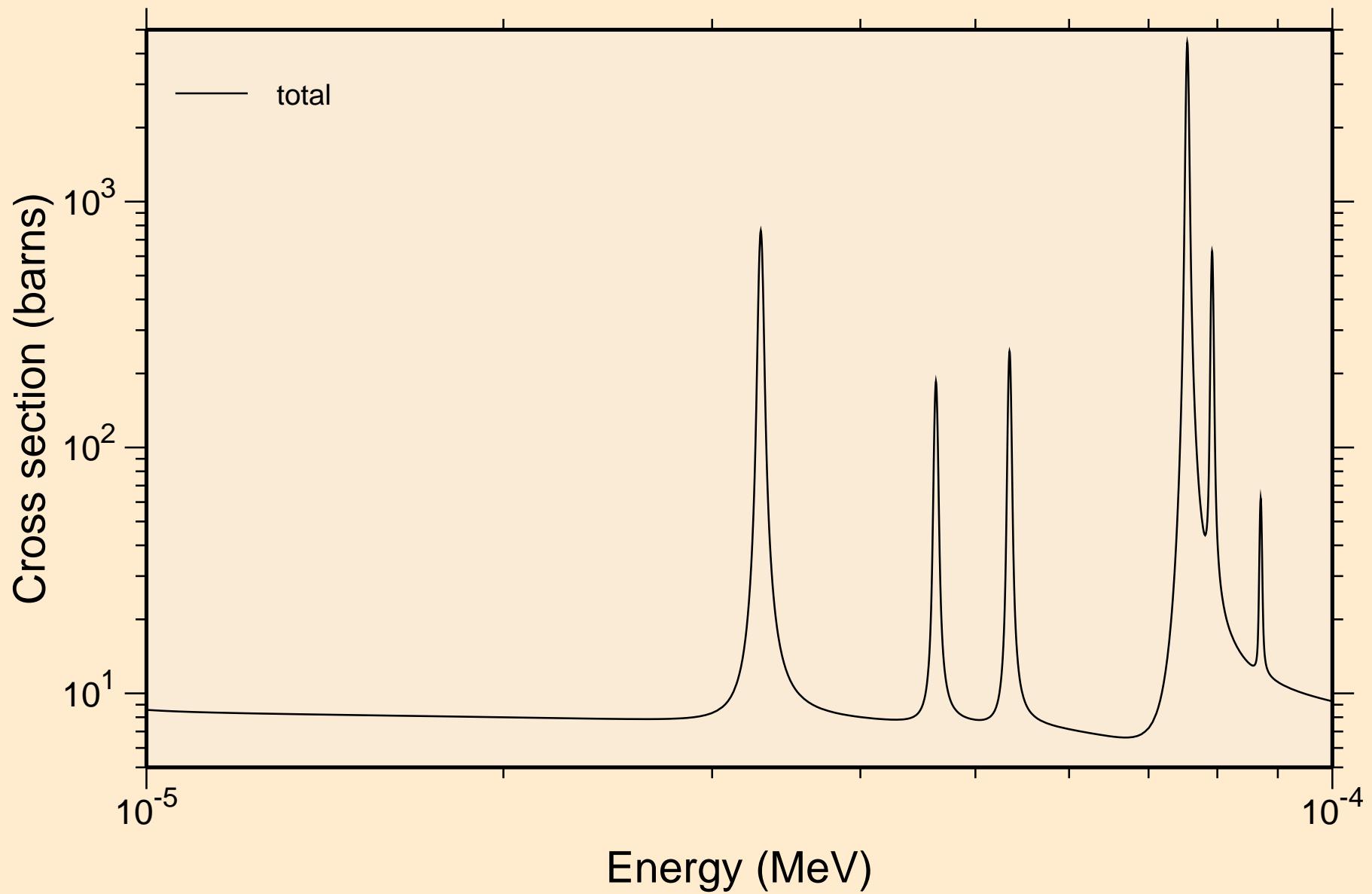


# BI216M NRG TENDL-2015, AKONING

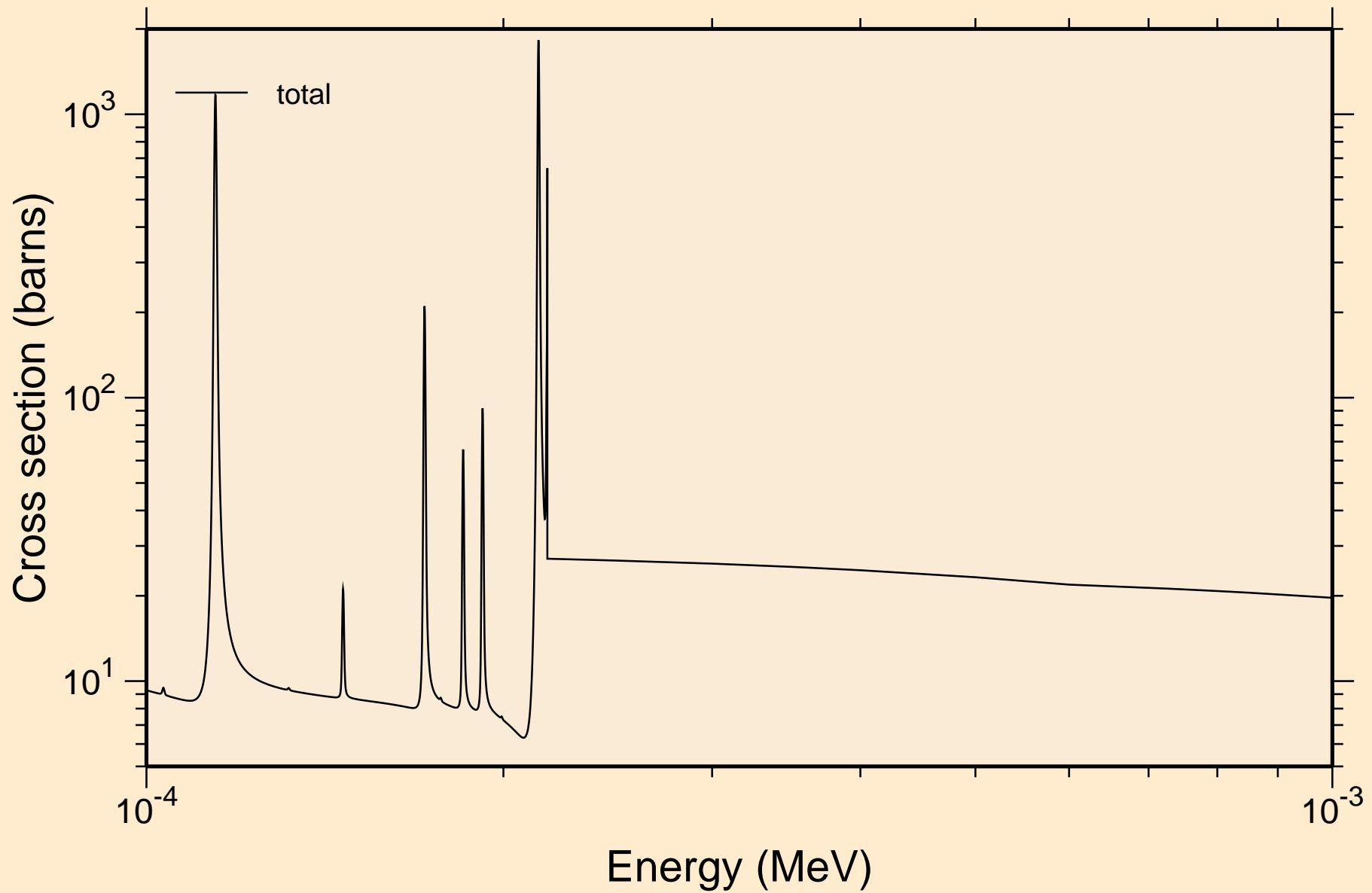
## Principal cross sections



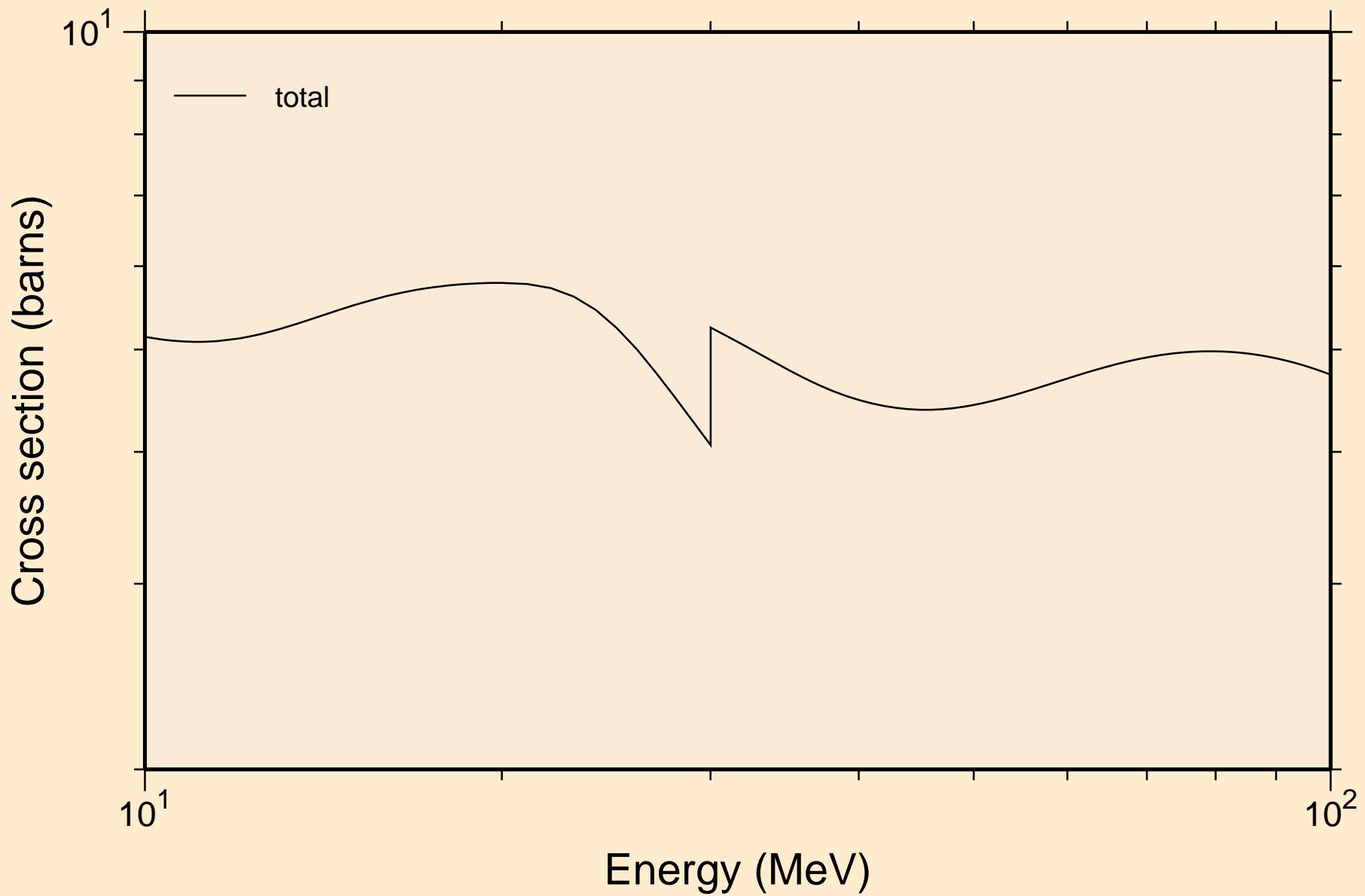
BI216M NRG TENDL-2015, AKONING  
resonance total cross section



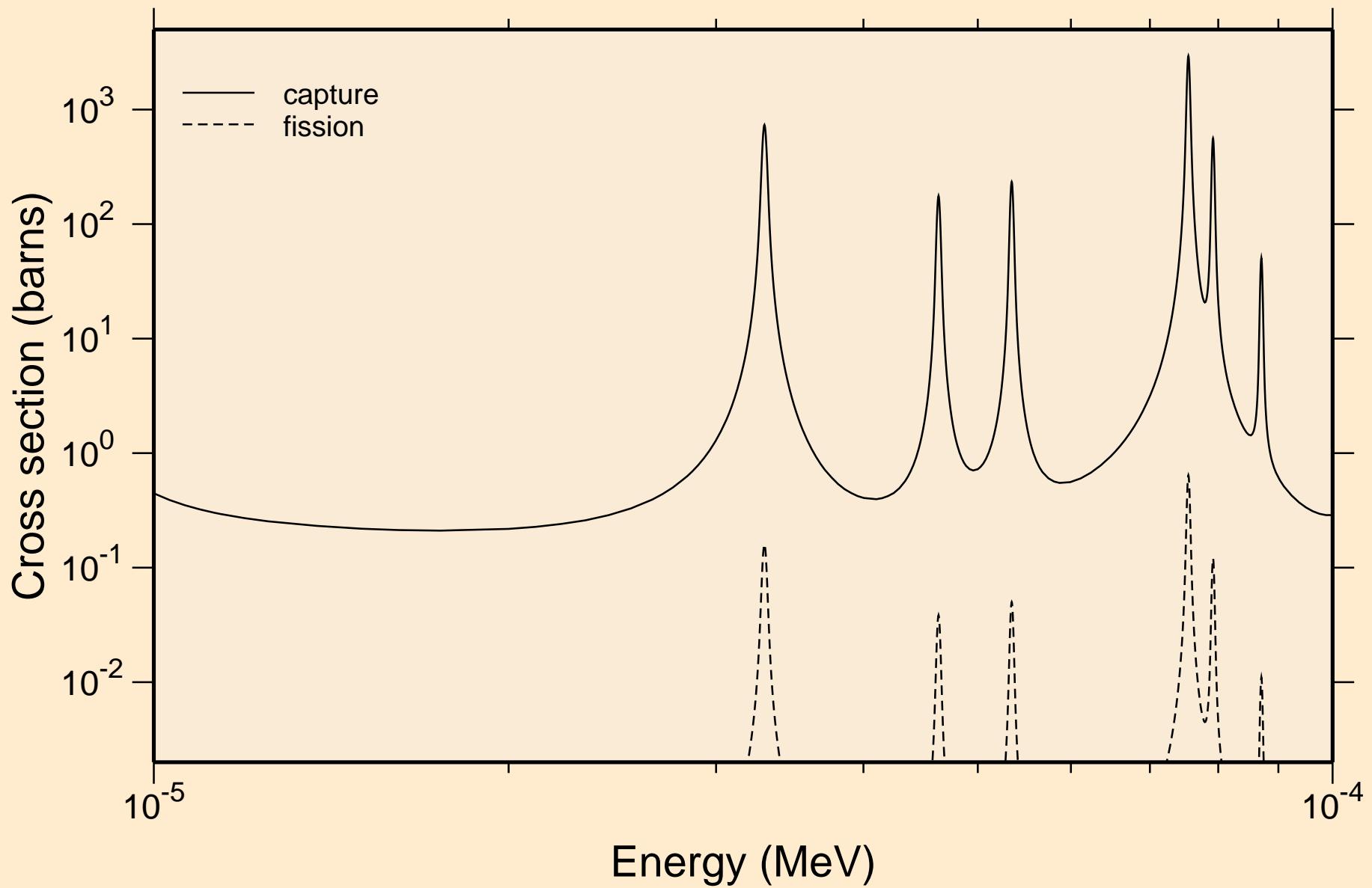
BI216M NRG TENDL-2015, AKONING  
resonance total cross section



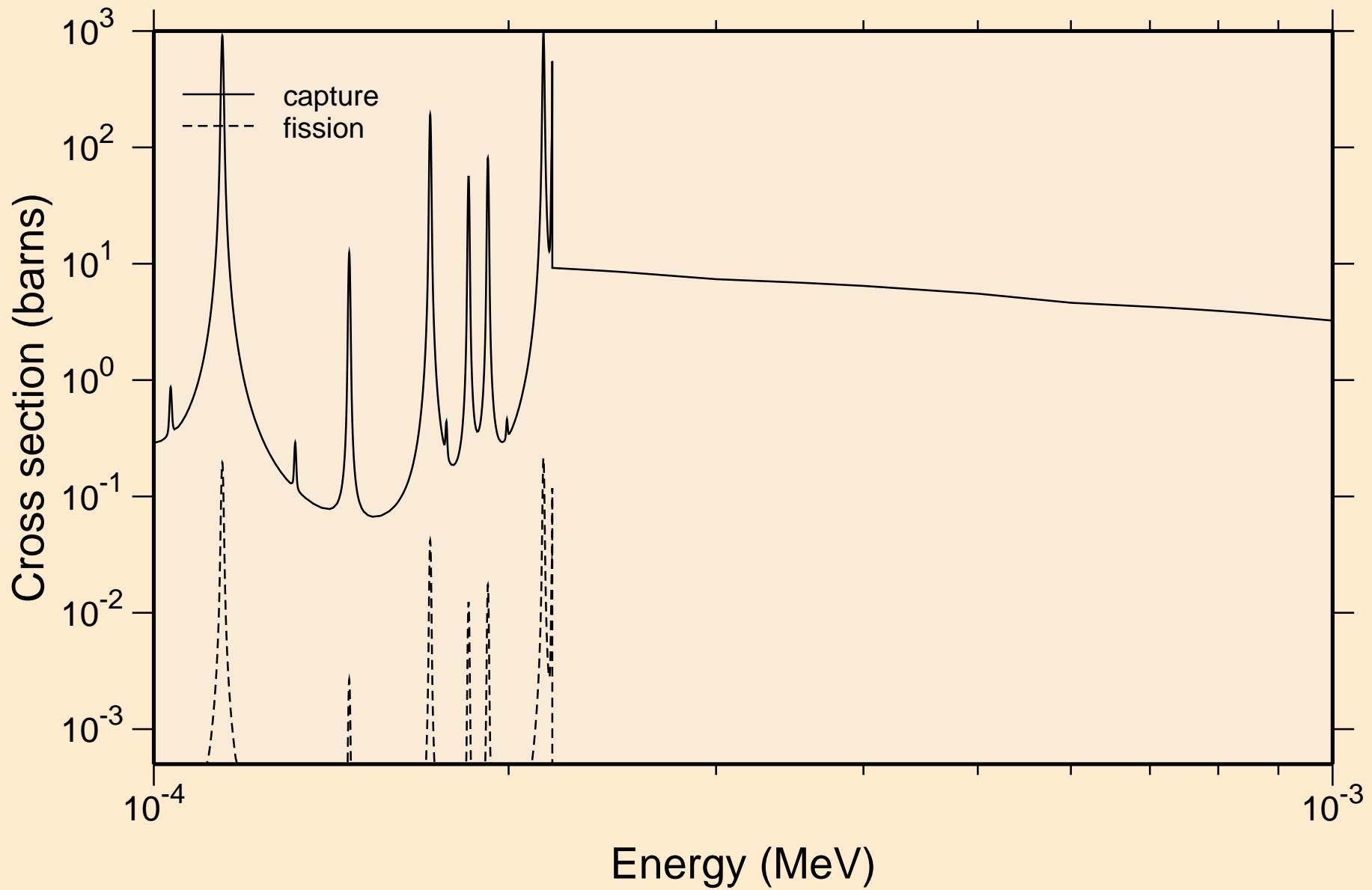
BI216M NRG TENDL-2015, AKONING  
resonance total cross section



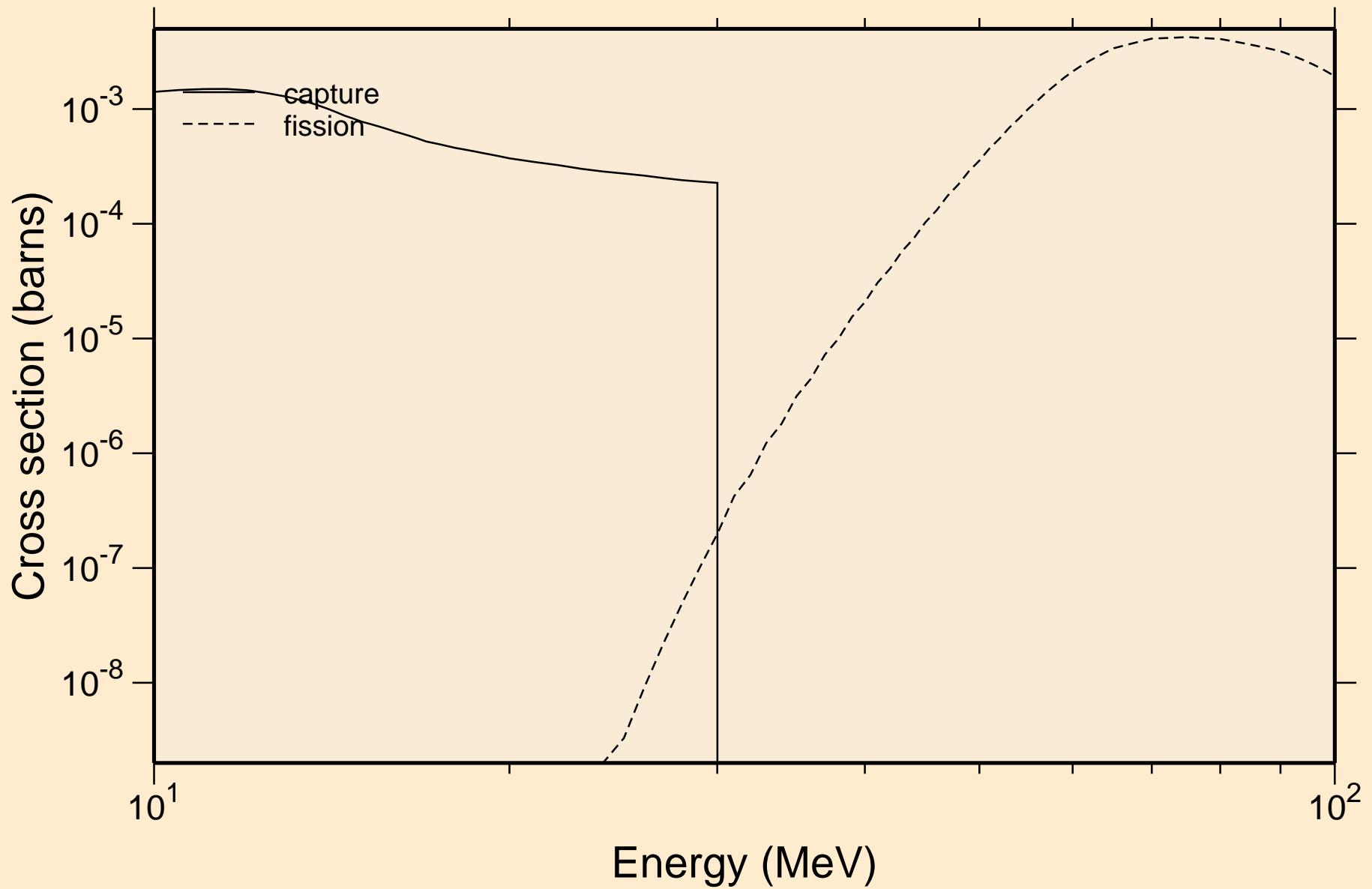
BI216M NRG TENDL-2015, AKONING  
resonance absorption cross sections



BI216M NRG TENDL-2015, AKONING  
resonance absorption cross sections

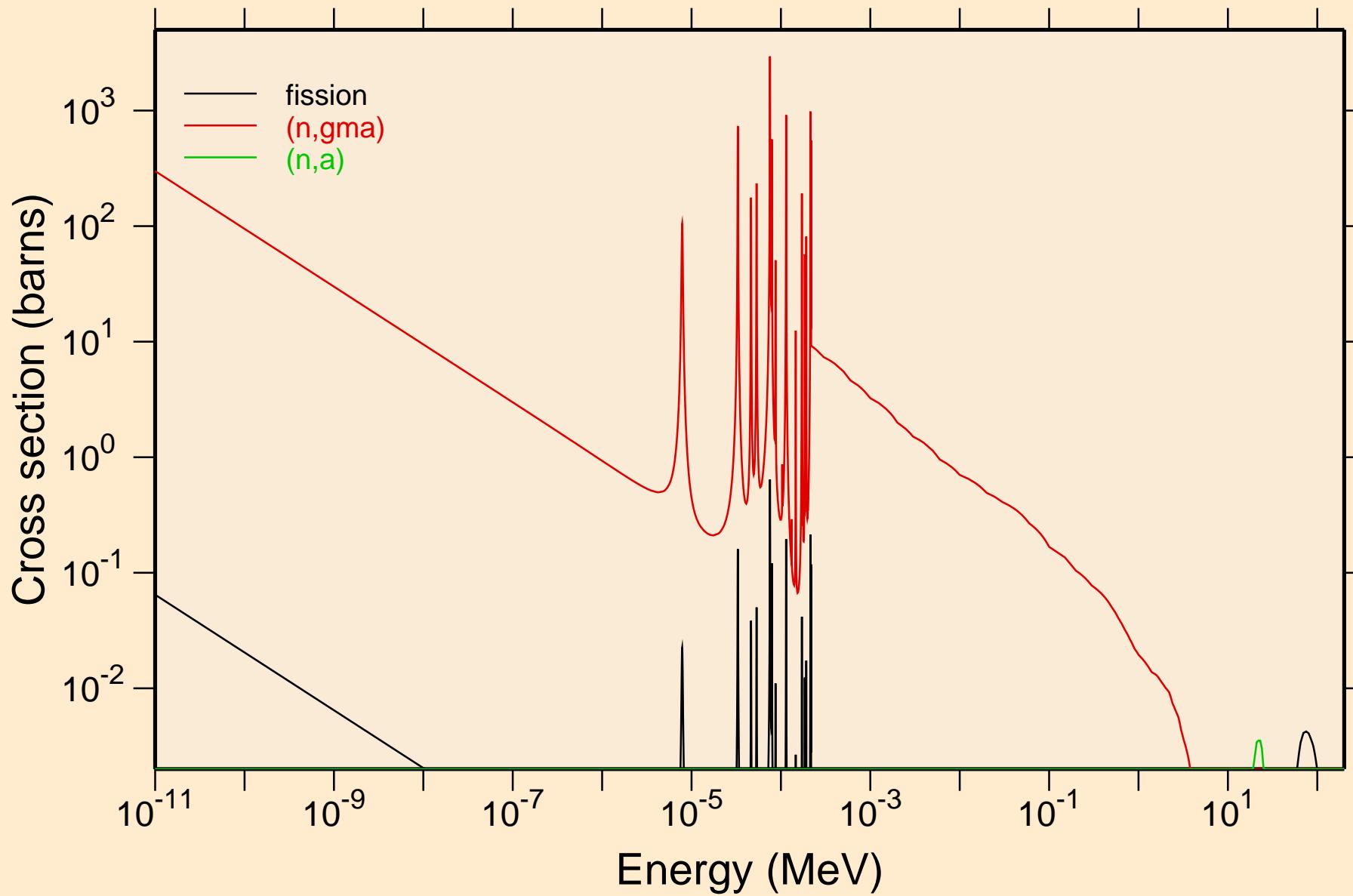


BI216M NRG TENDL-2015, AKONING  
resonance absorption cross sections



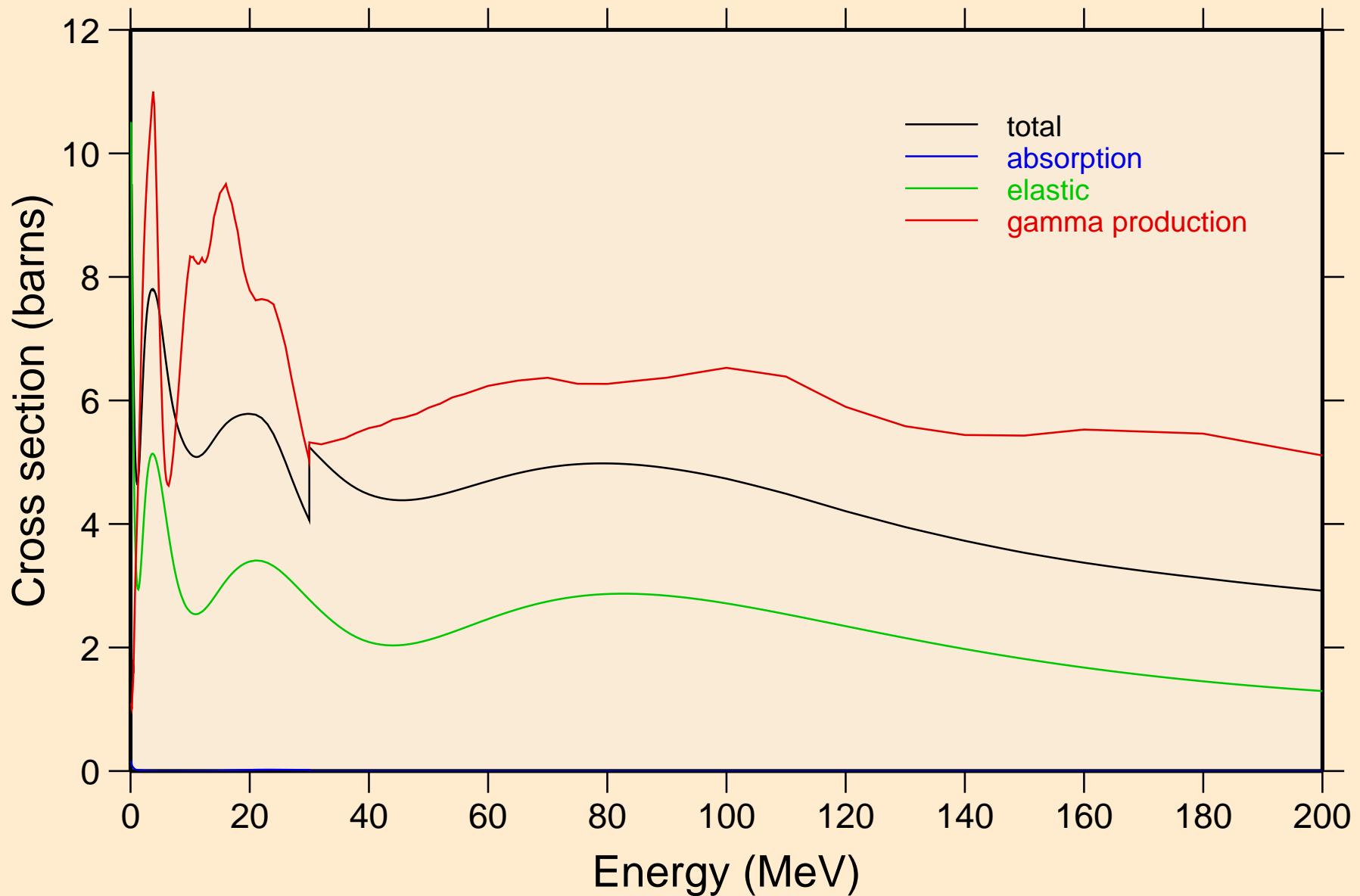
# BI216M NRG TENDL-2015, AKONING

## Non-threshold reactions



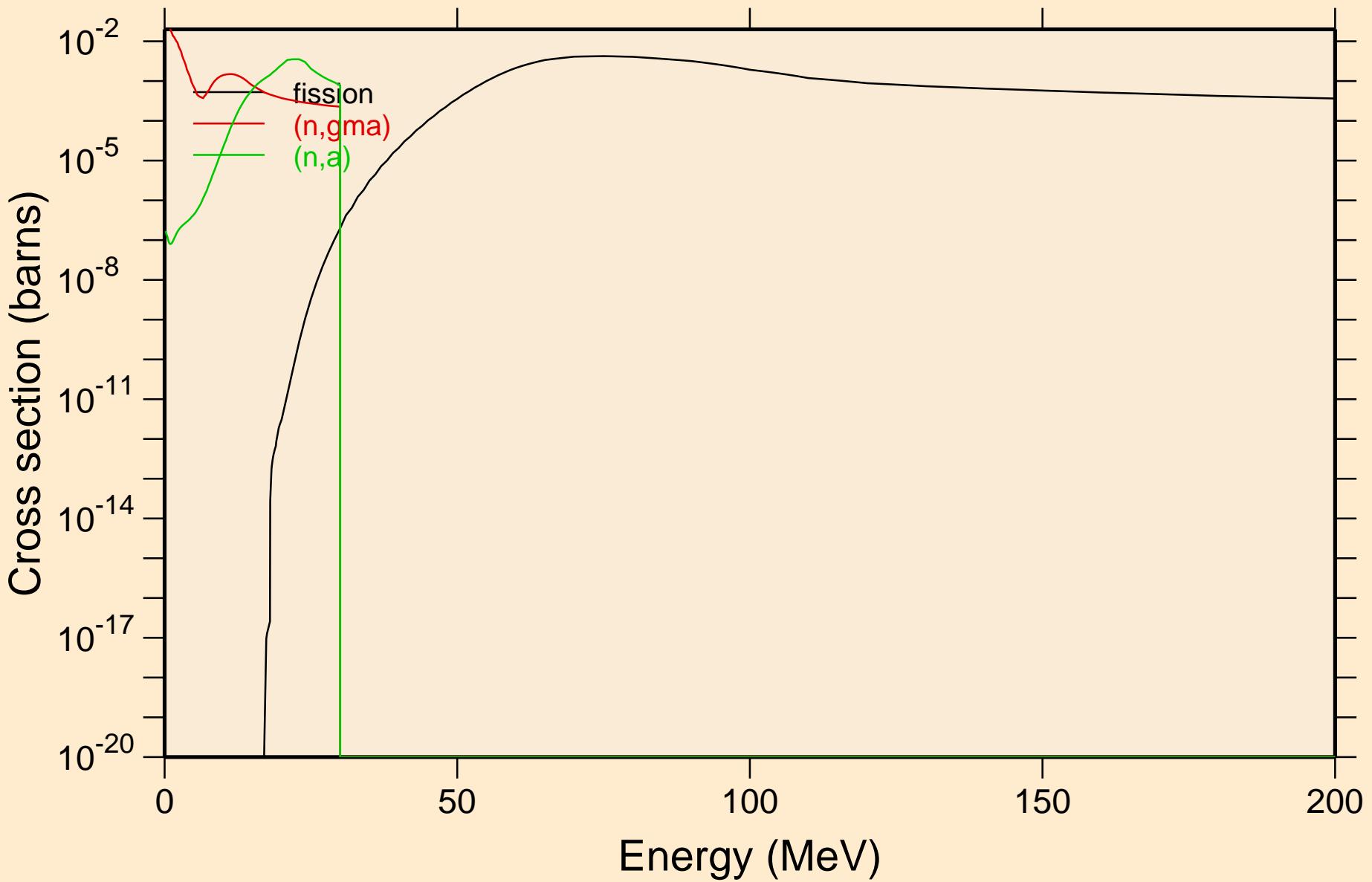
# BI216M NRG TENDL-2015, AKONING

## Principal cross sections

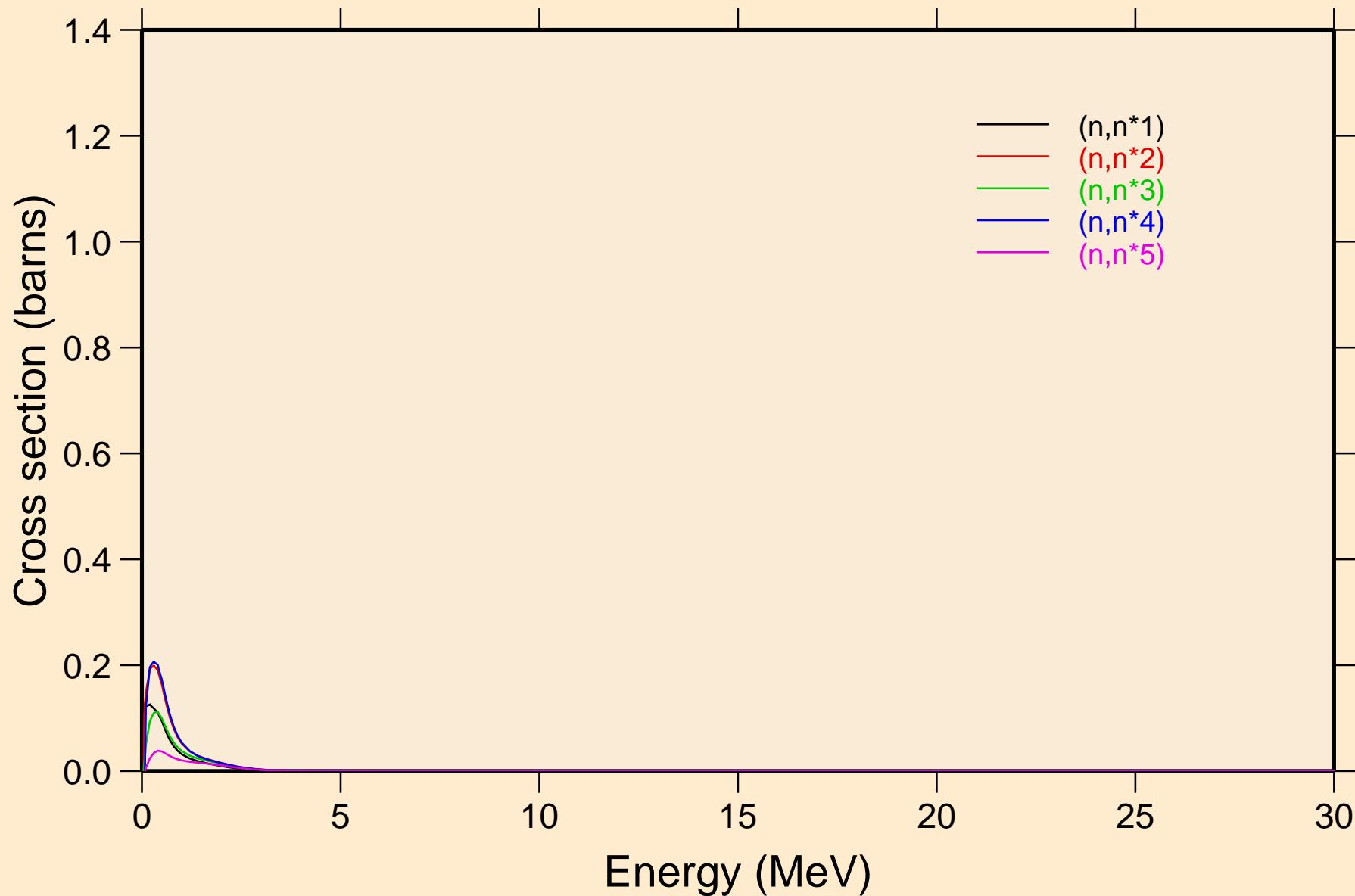


# BI216M NRG TENDL-2015, AKONING

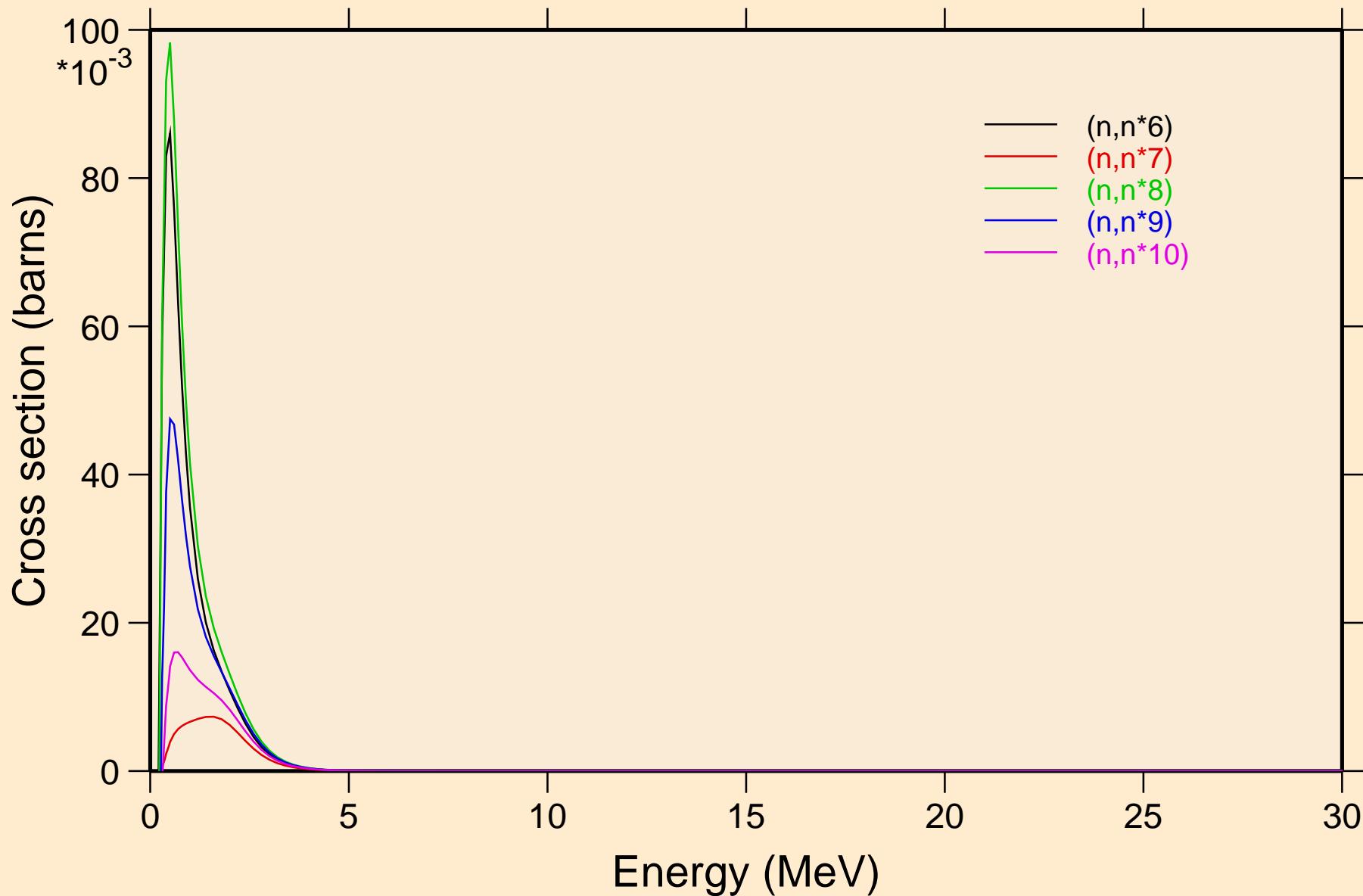
## Non-threshold reactions



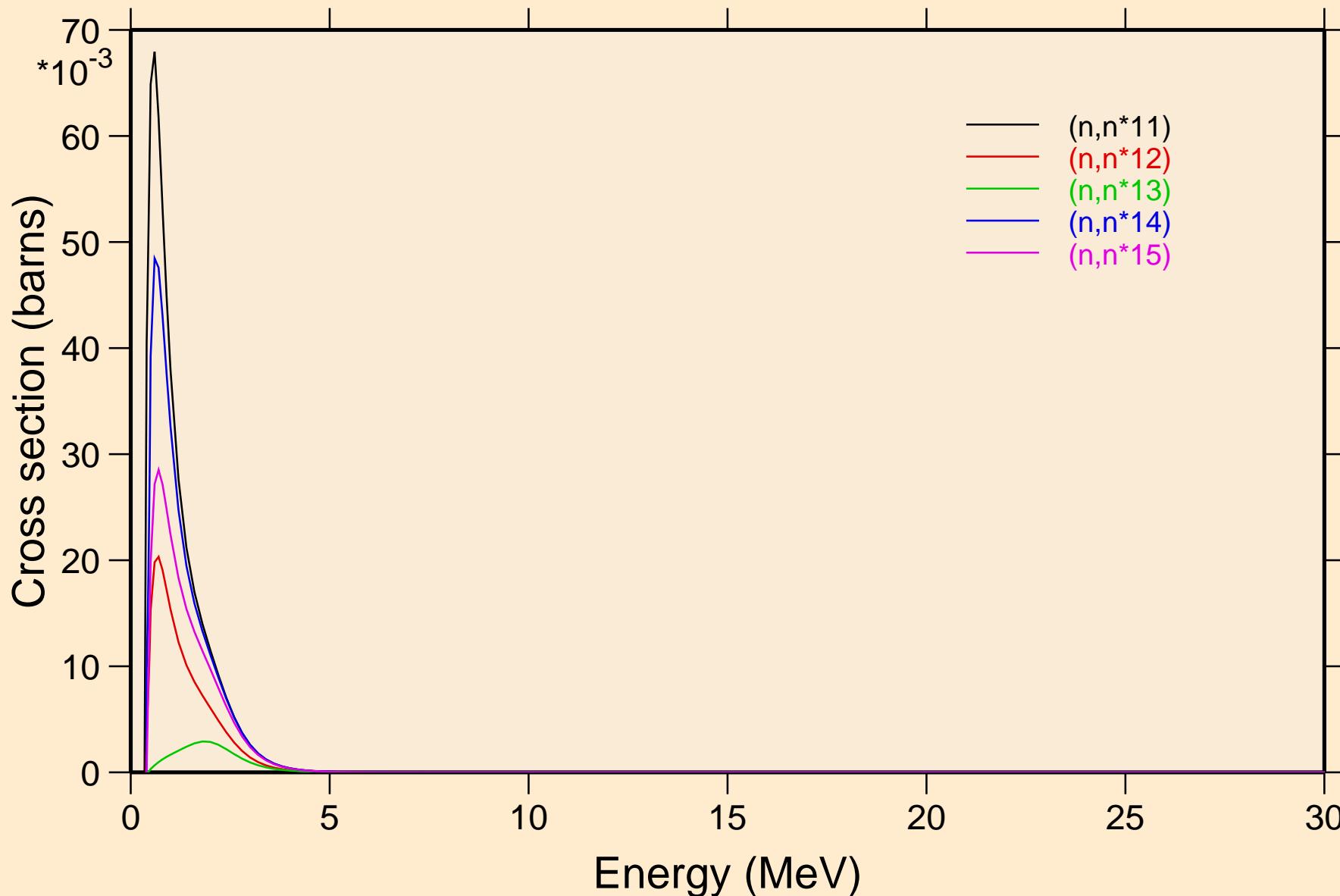
BI216M NRG TENDL-2015, AKONING  
Inelastic levels



BI216M NRG TENDL-2015, AKONING  
Inelastic levels

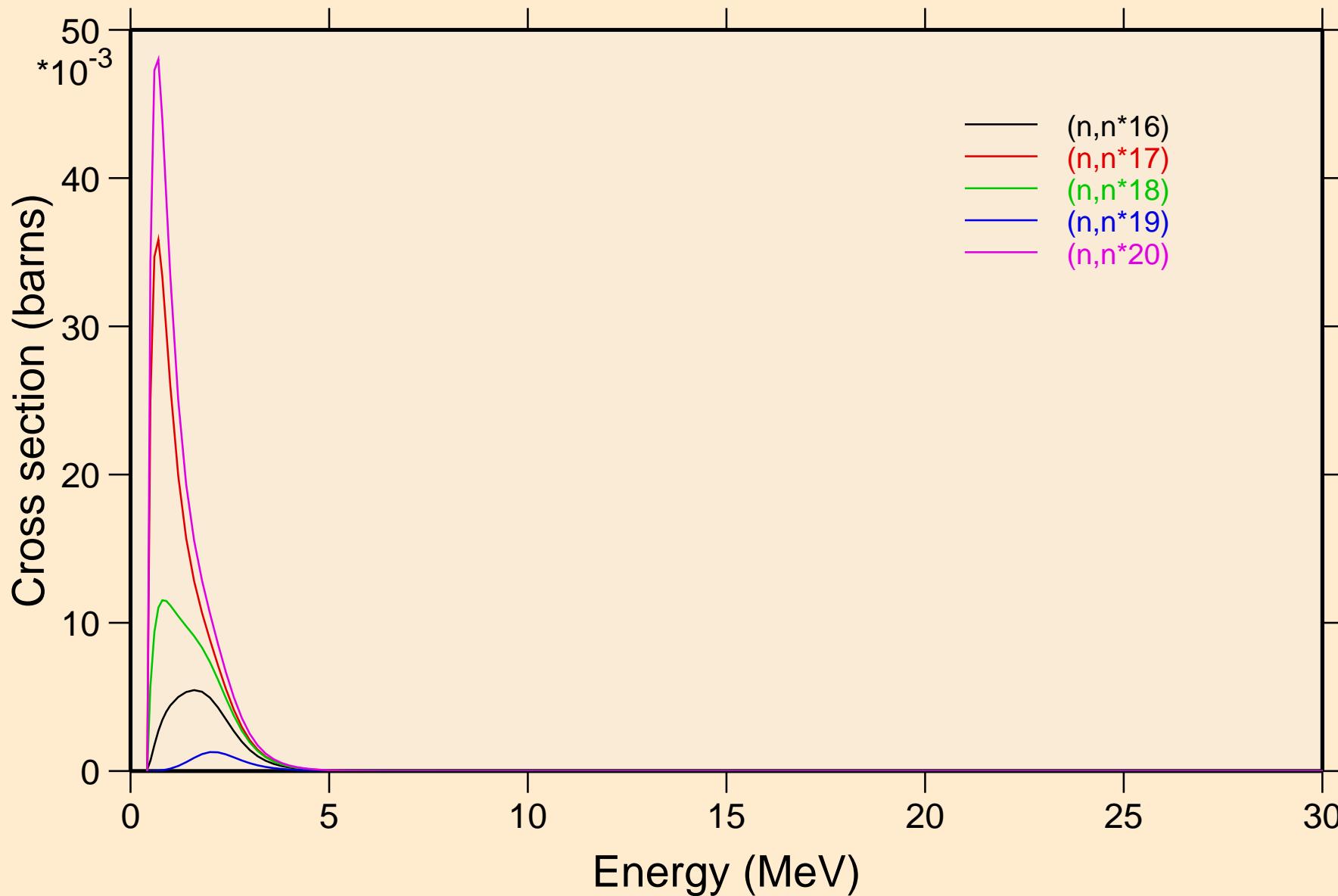


BI216M NRG TENDL-2015, AKONING  
Inelastic levels



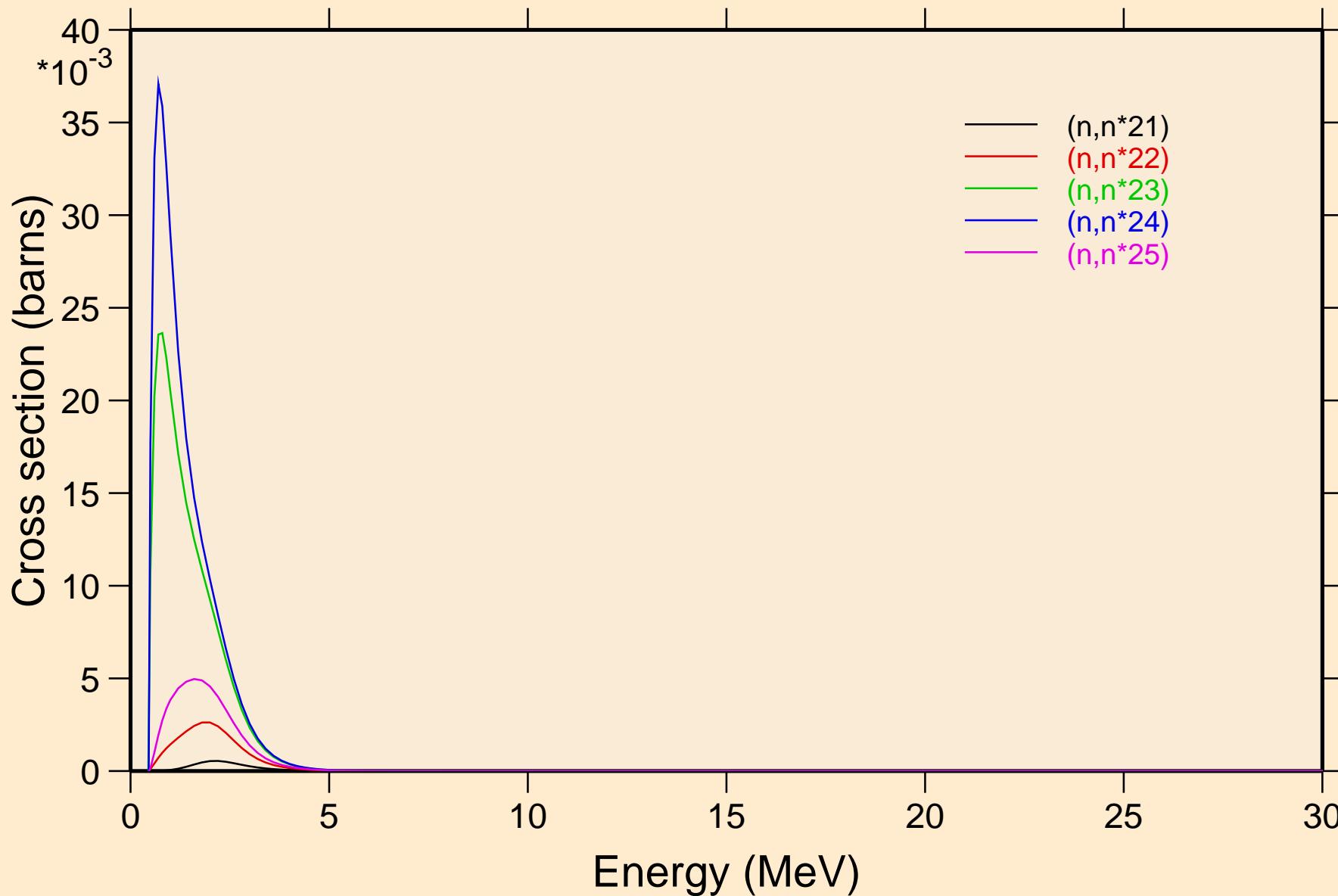
# BI216M NRG TENDL-2015, AKONING

## Inelastic levels



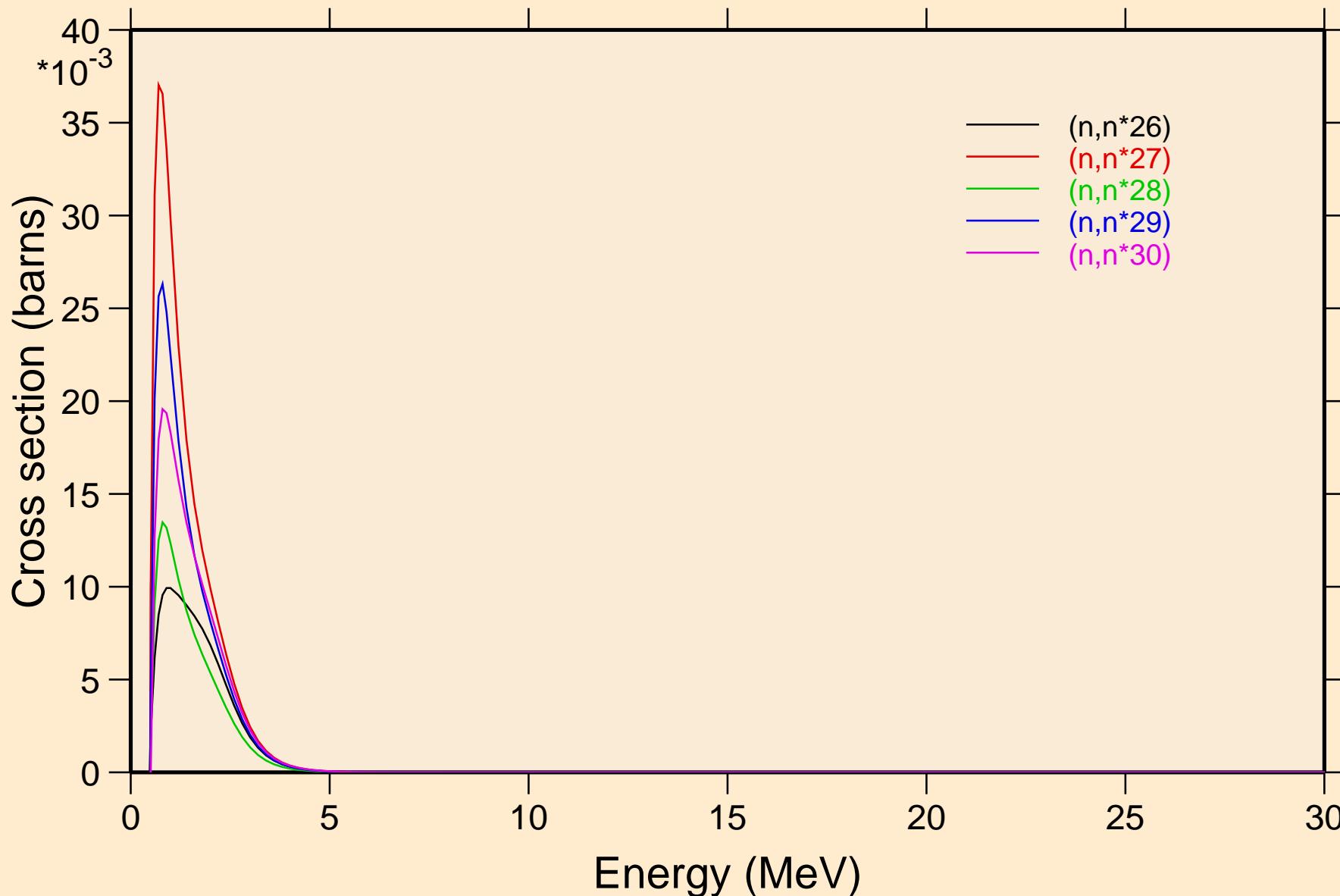
# BI216M NRG TENDL-2015, AKONING

## Inelastic levels



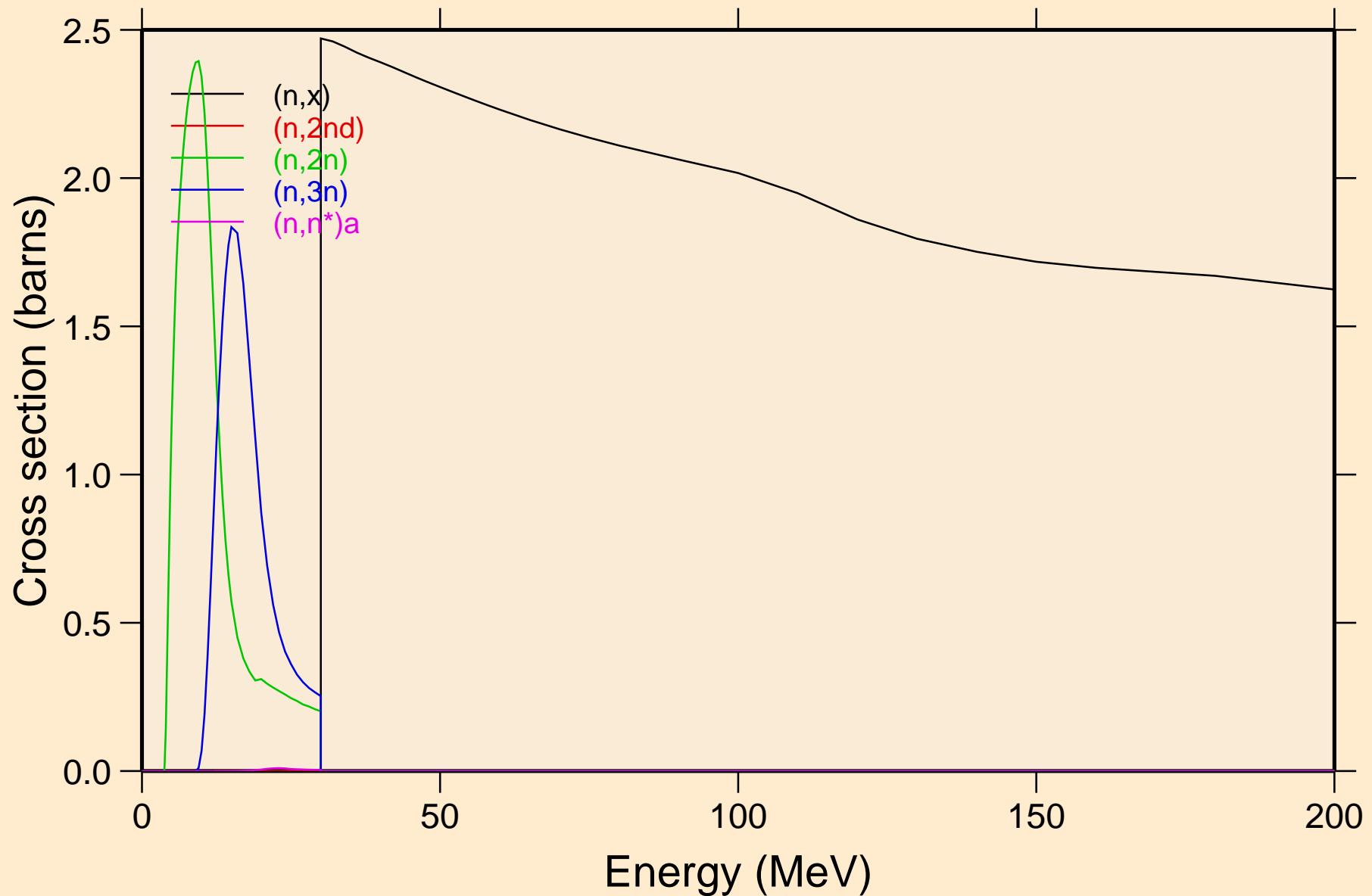
# BI216M NRG TENDL-2015, AKONING

## Inelastic levels



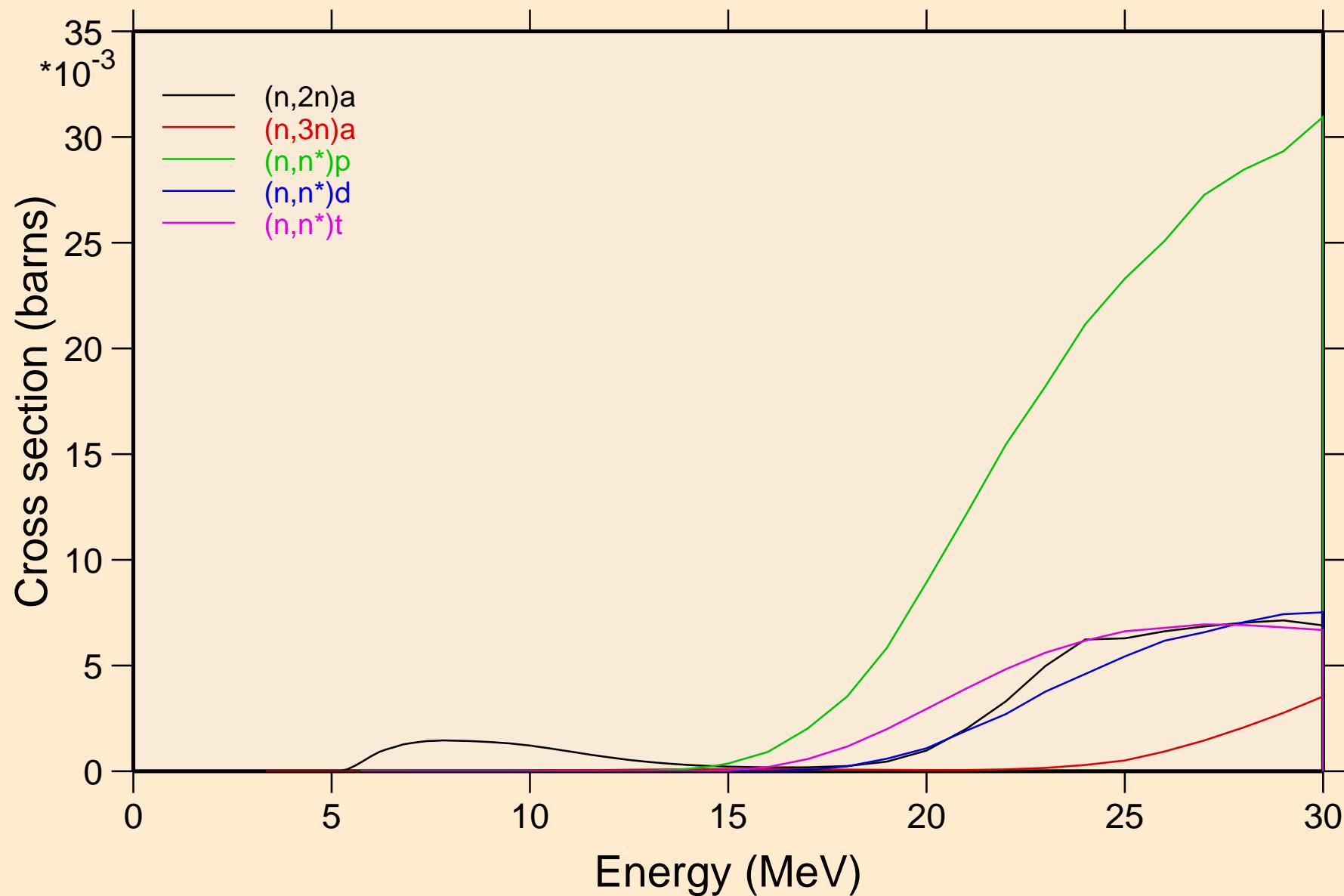
# BI216M NRG TENDL-2015, AKONING

## Threshold reactions



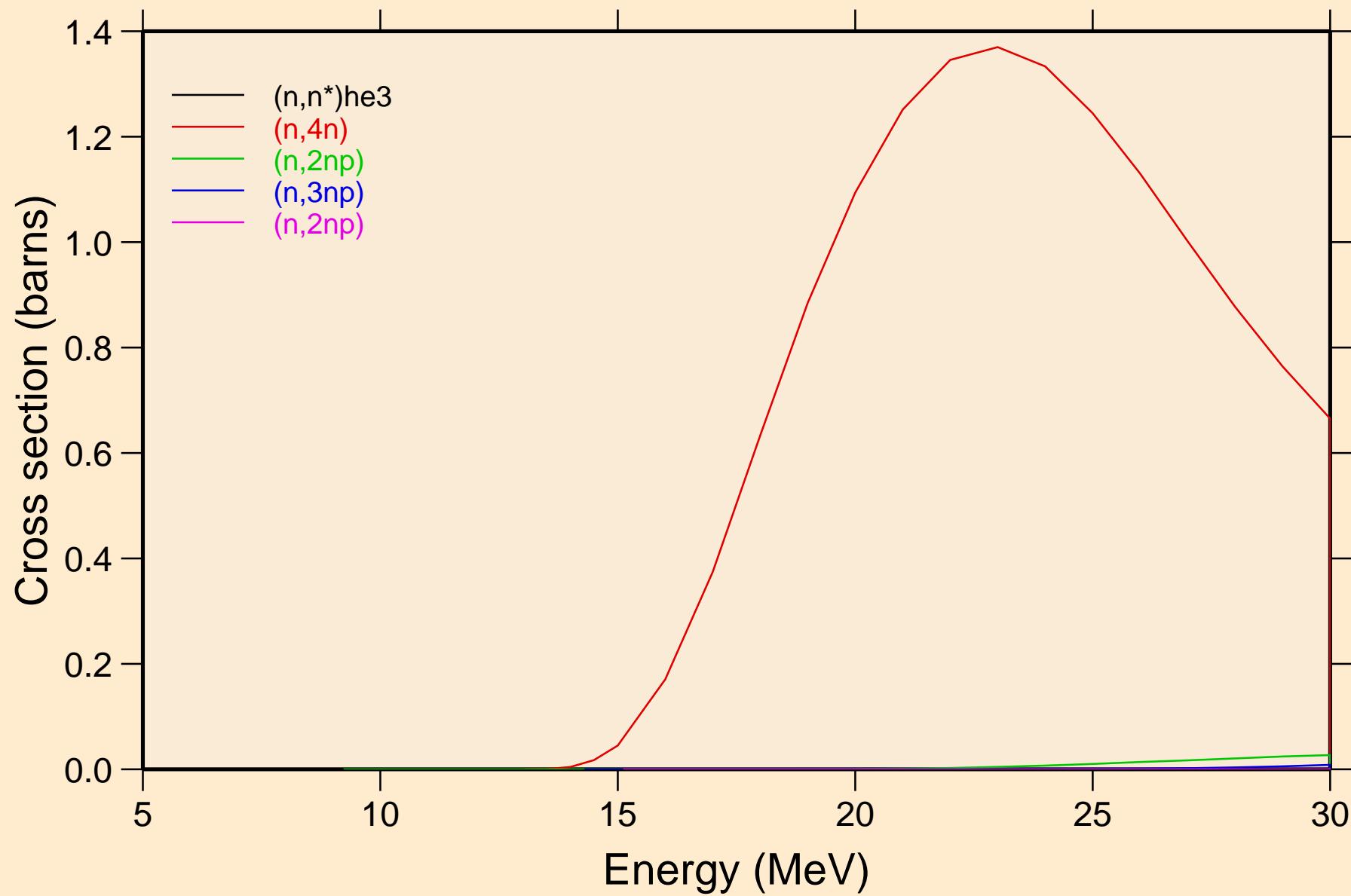
# BI216M NRG TENDL-2015, AKONING

## Threshold reactions



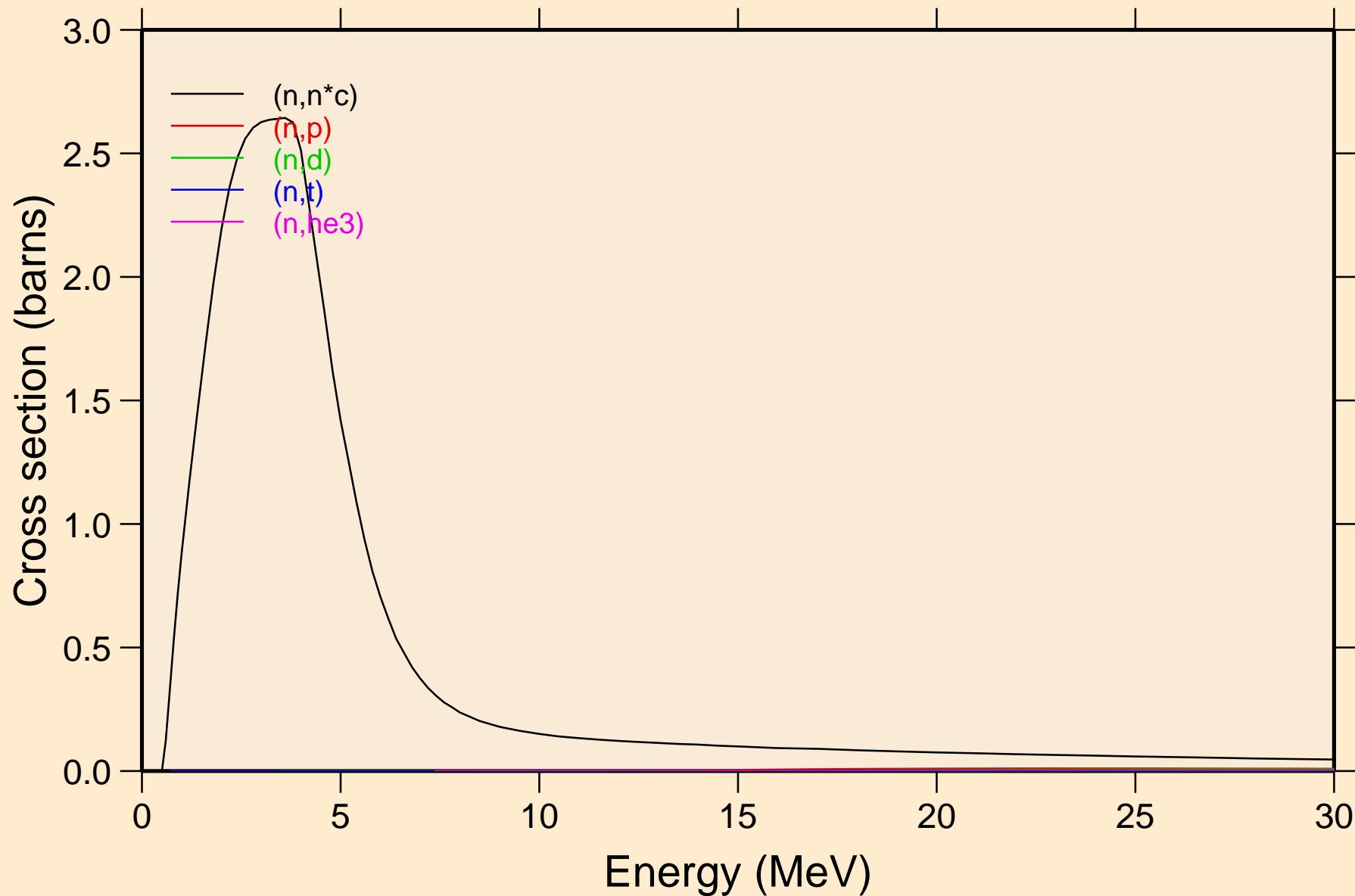
# BI216M NRG TENDL-2015, AKONING

## Threshold reactions

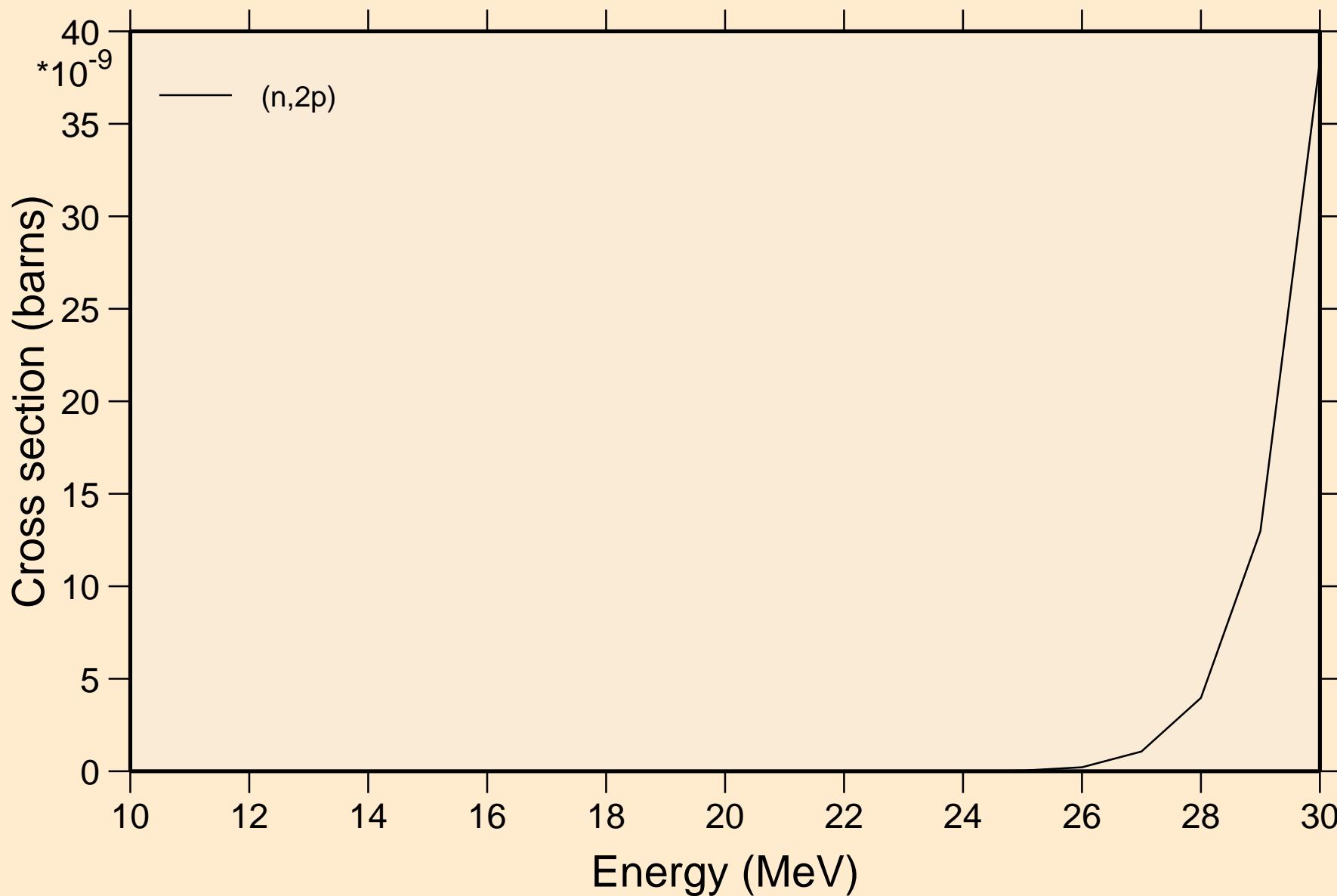


# BI216M NRG TENDL-2015, AKONING

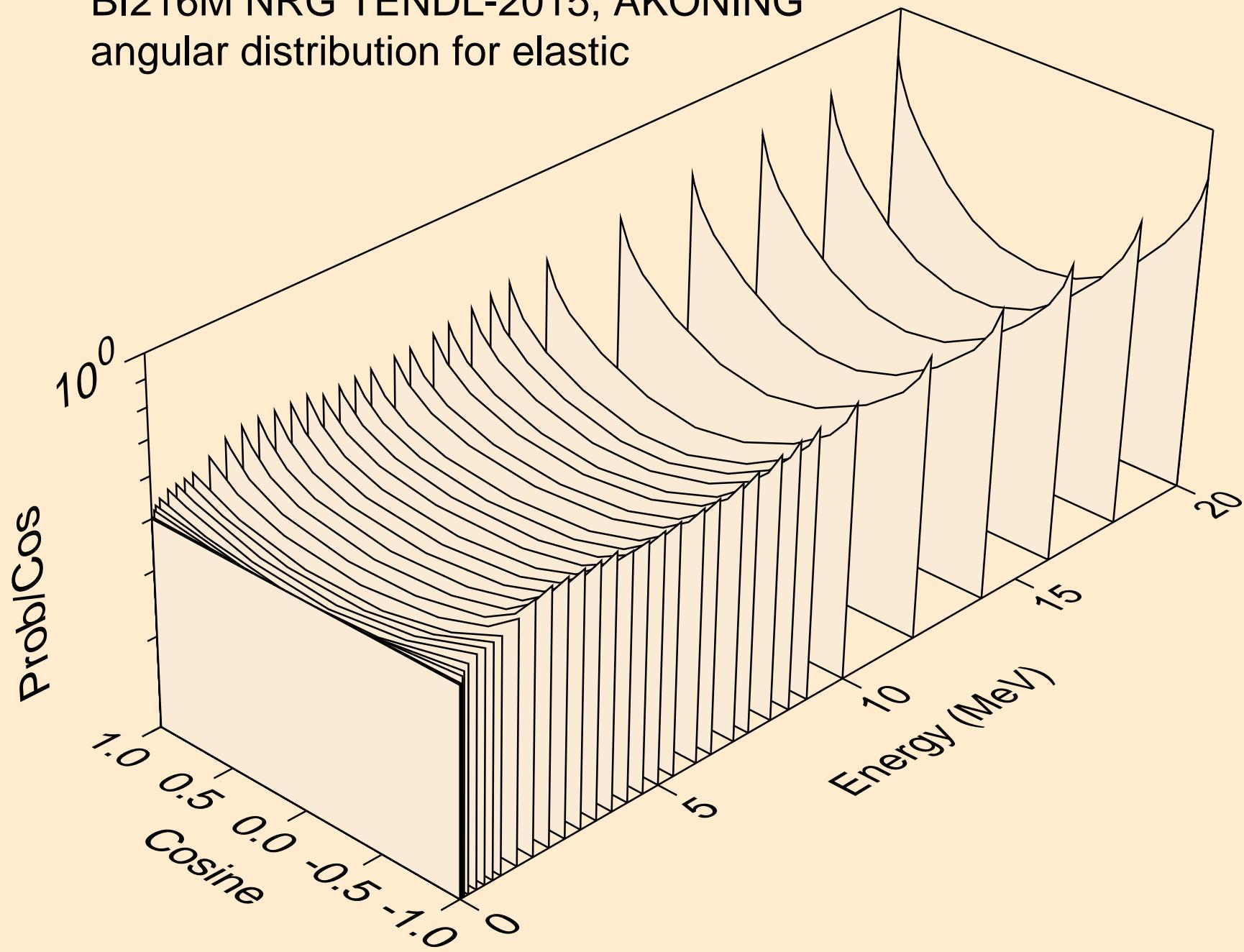
## Threshold reactions



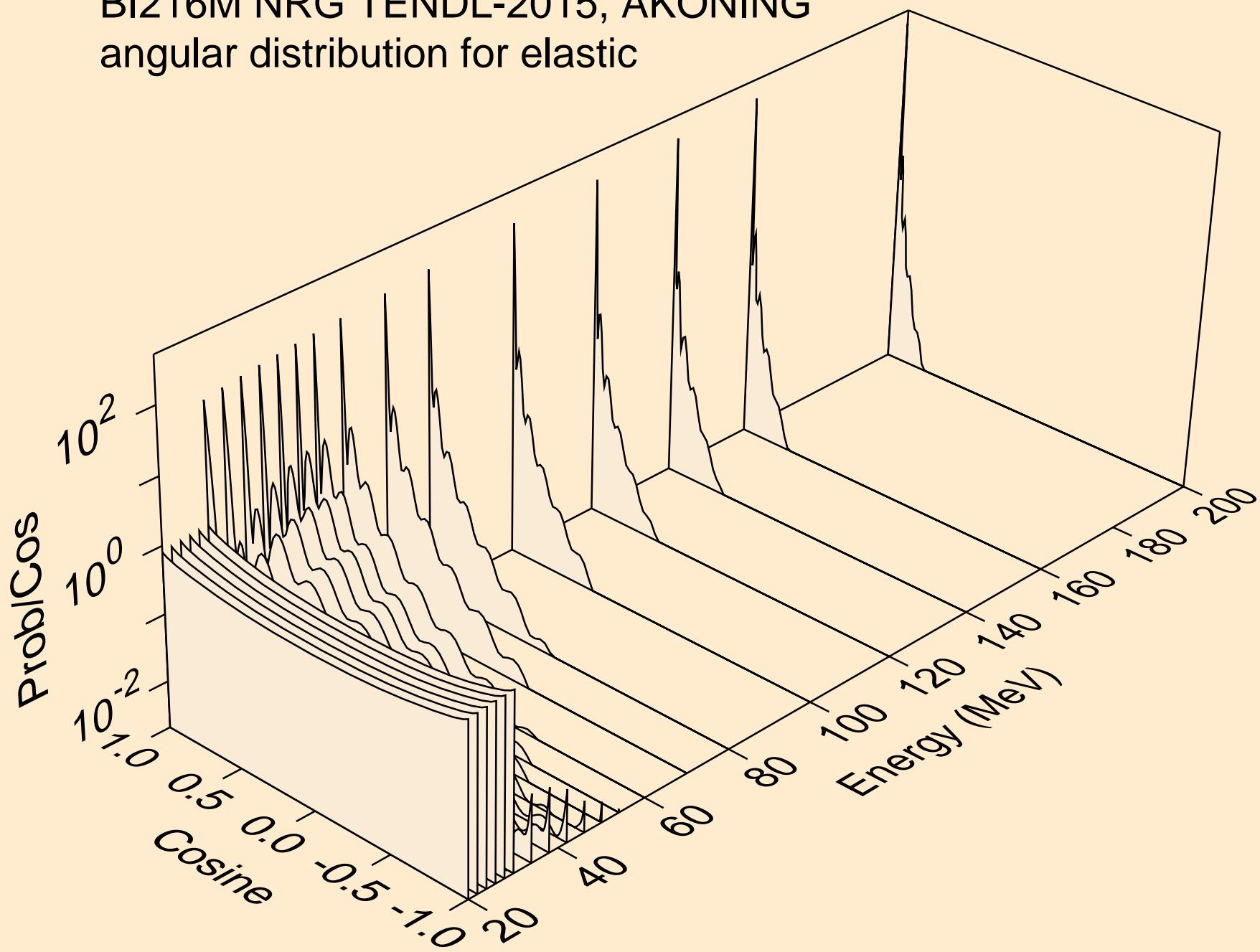
BI216M NRG TENDL-2015, AKONING  
Threshold reactions



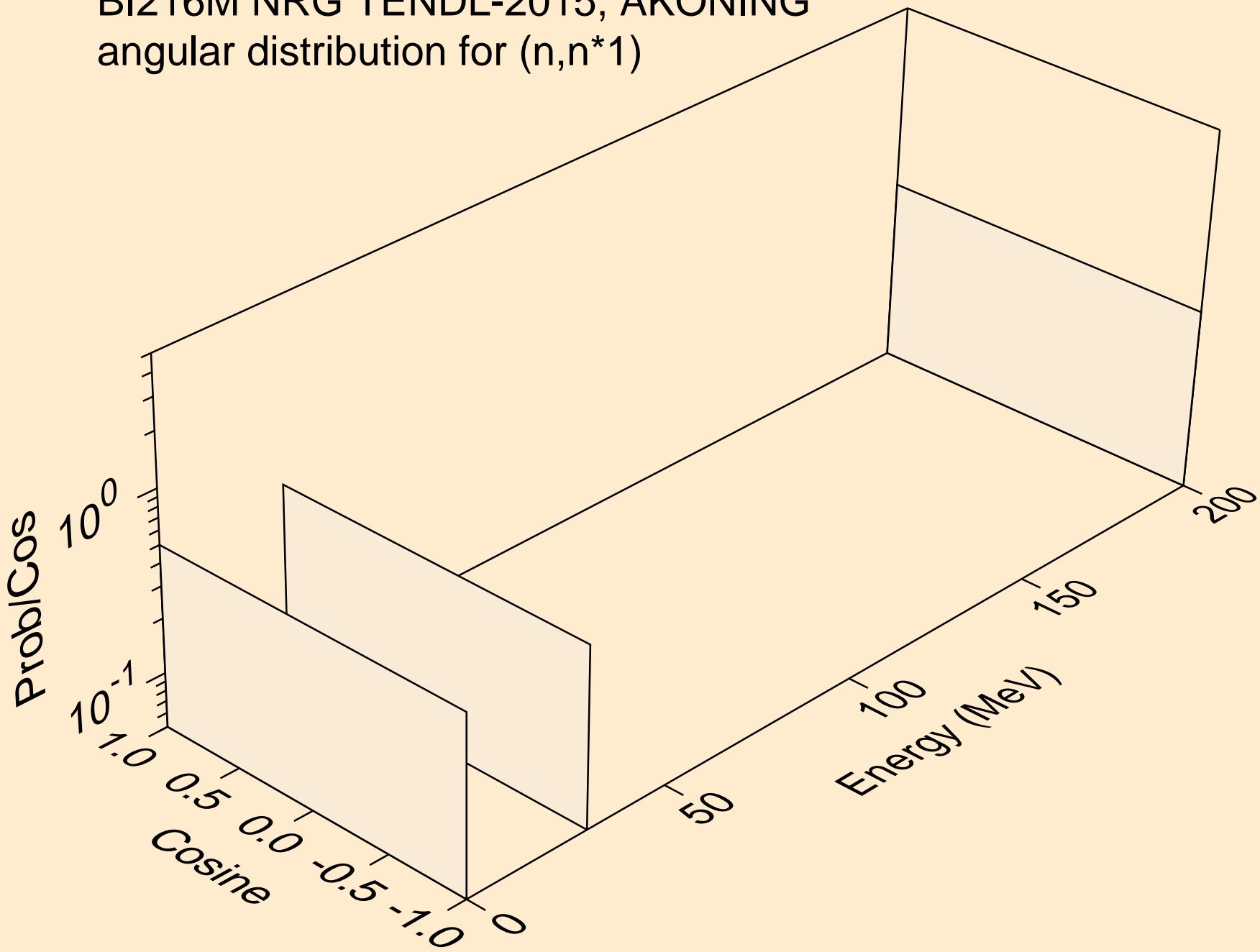
BI216M NRG TENDL-2015, AKONING  
angular distribution for elastic



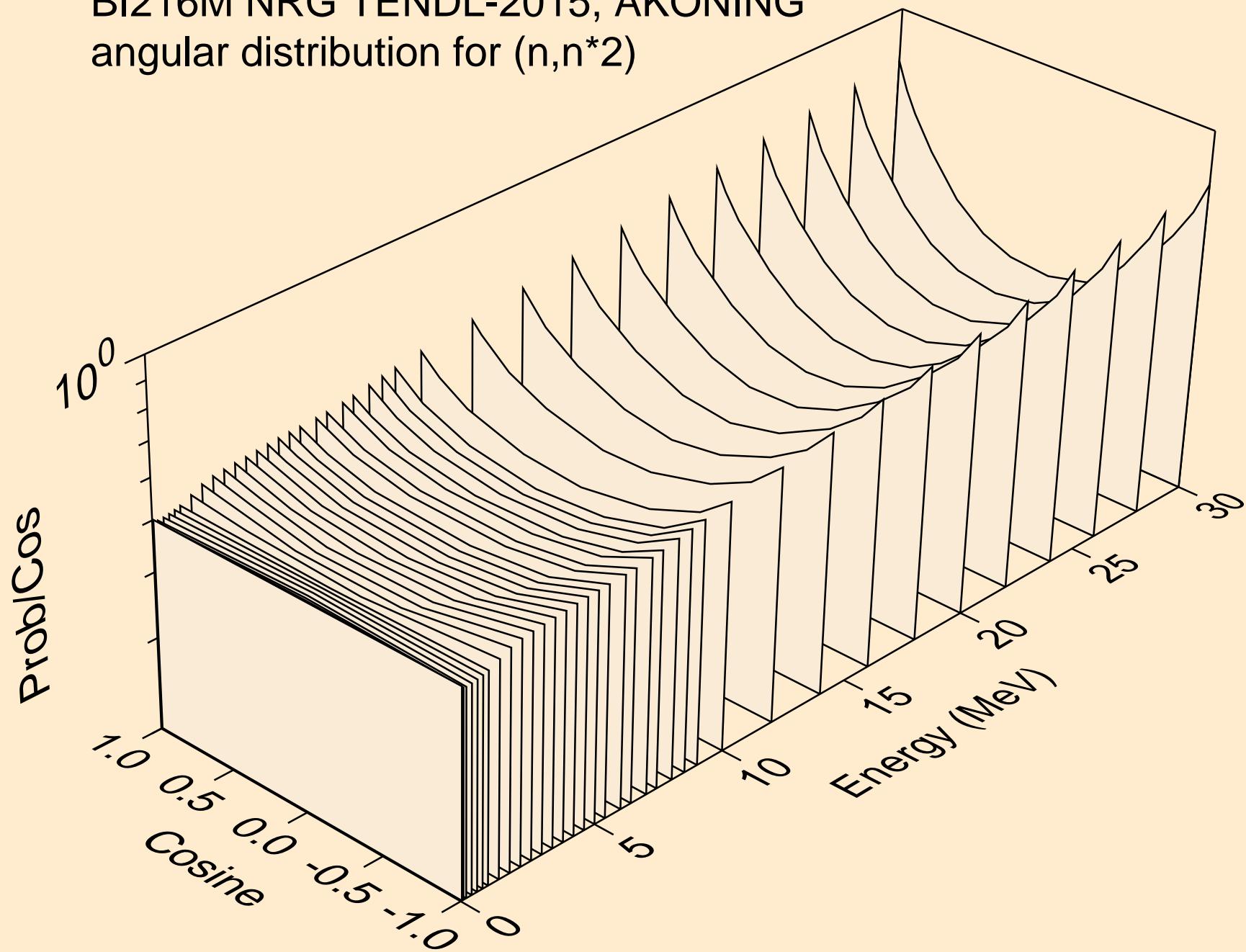
BI216M NRG TENDL-2015, AKONING  
angular distribution for elastic



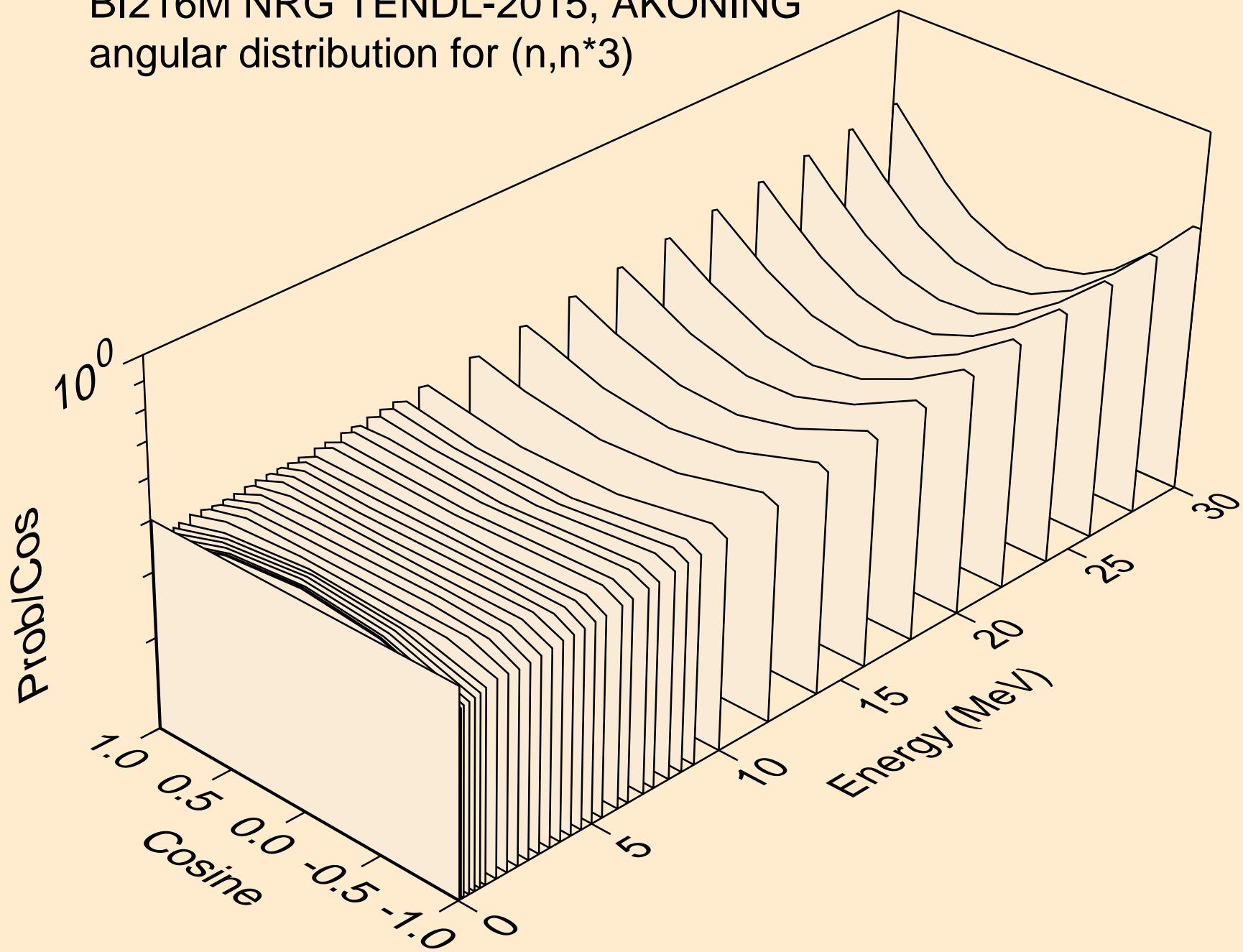
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



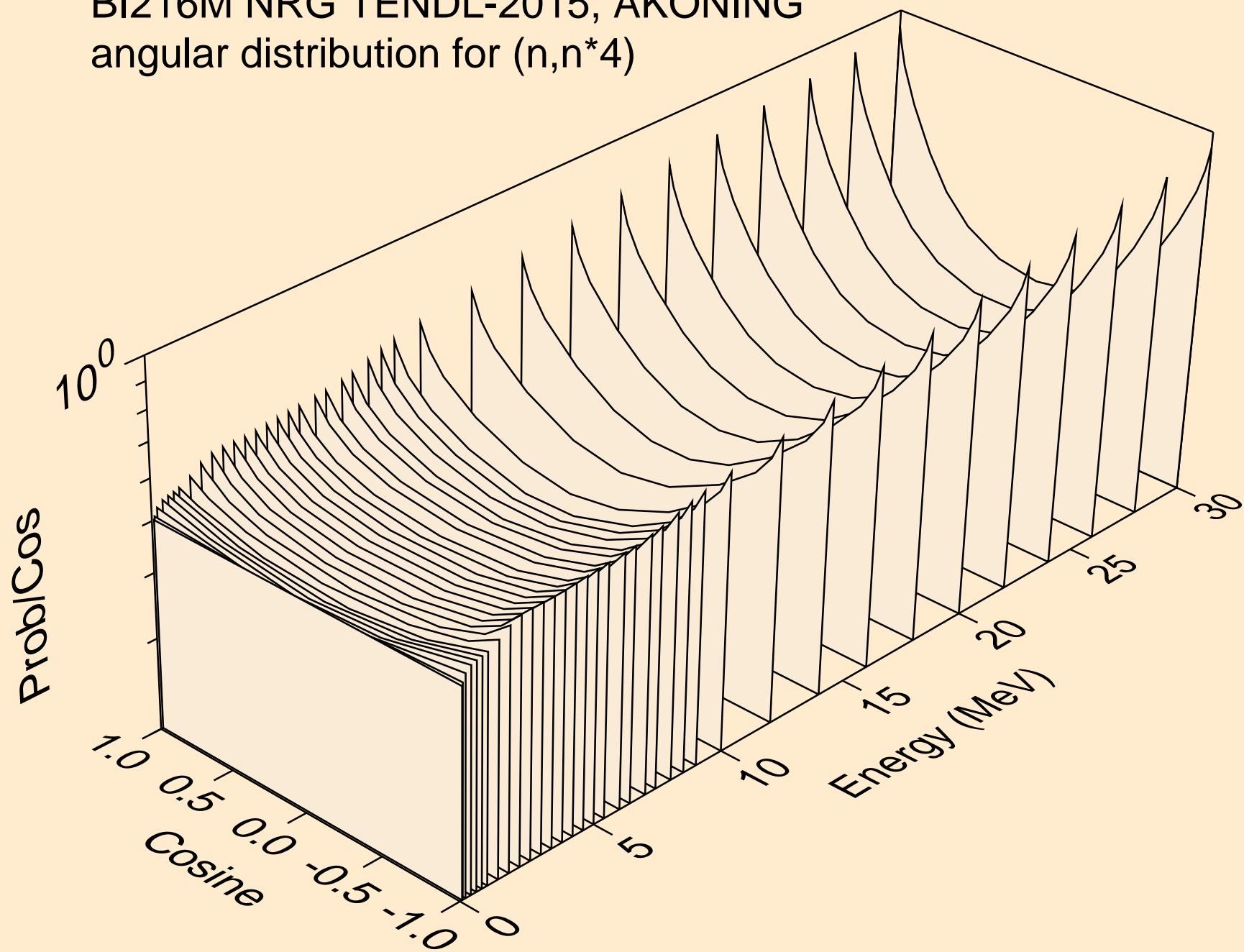
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^2$



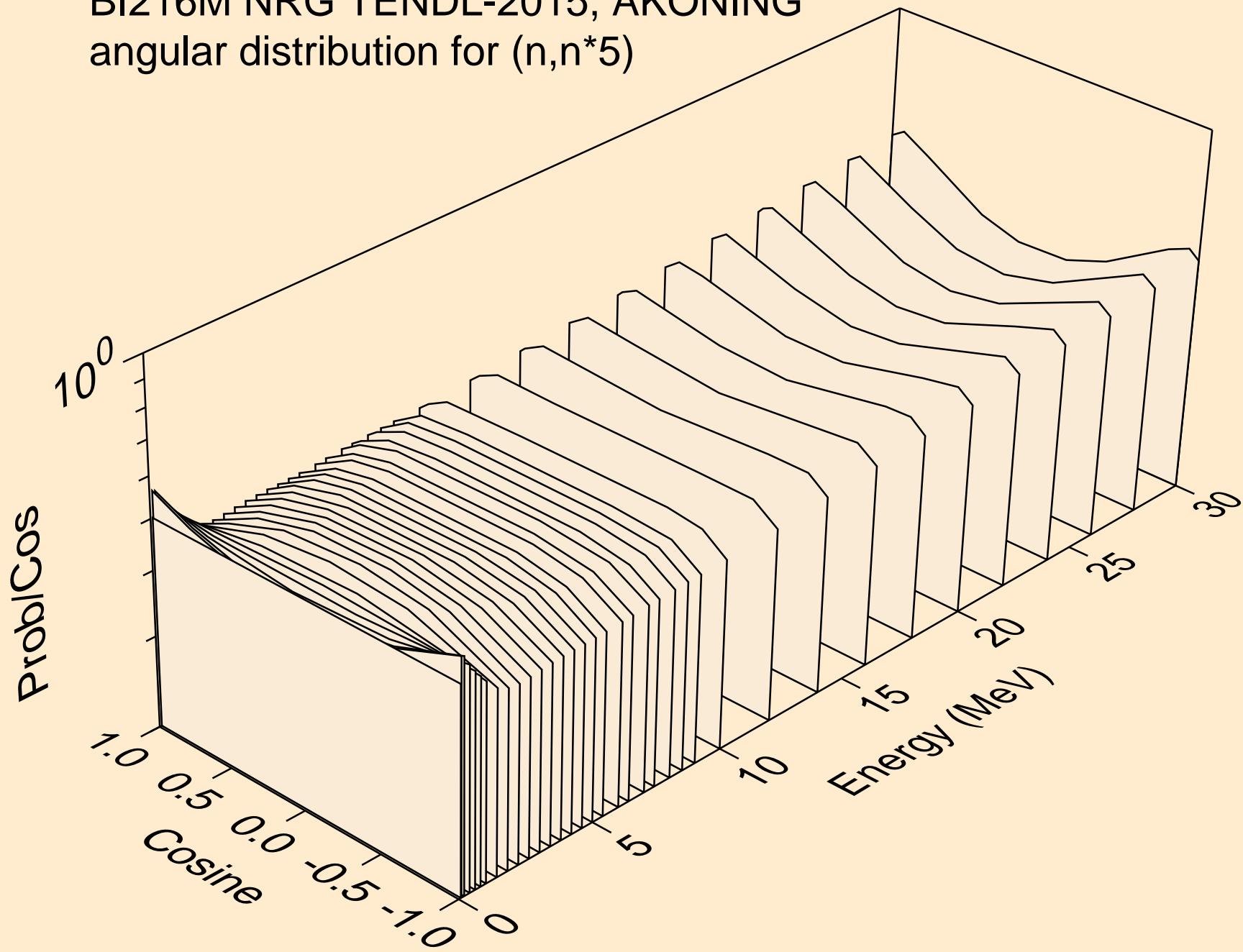
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



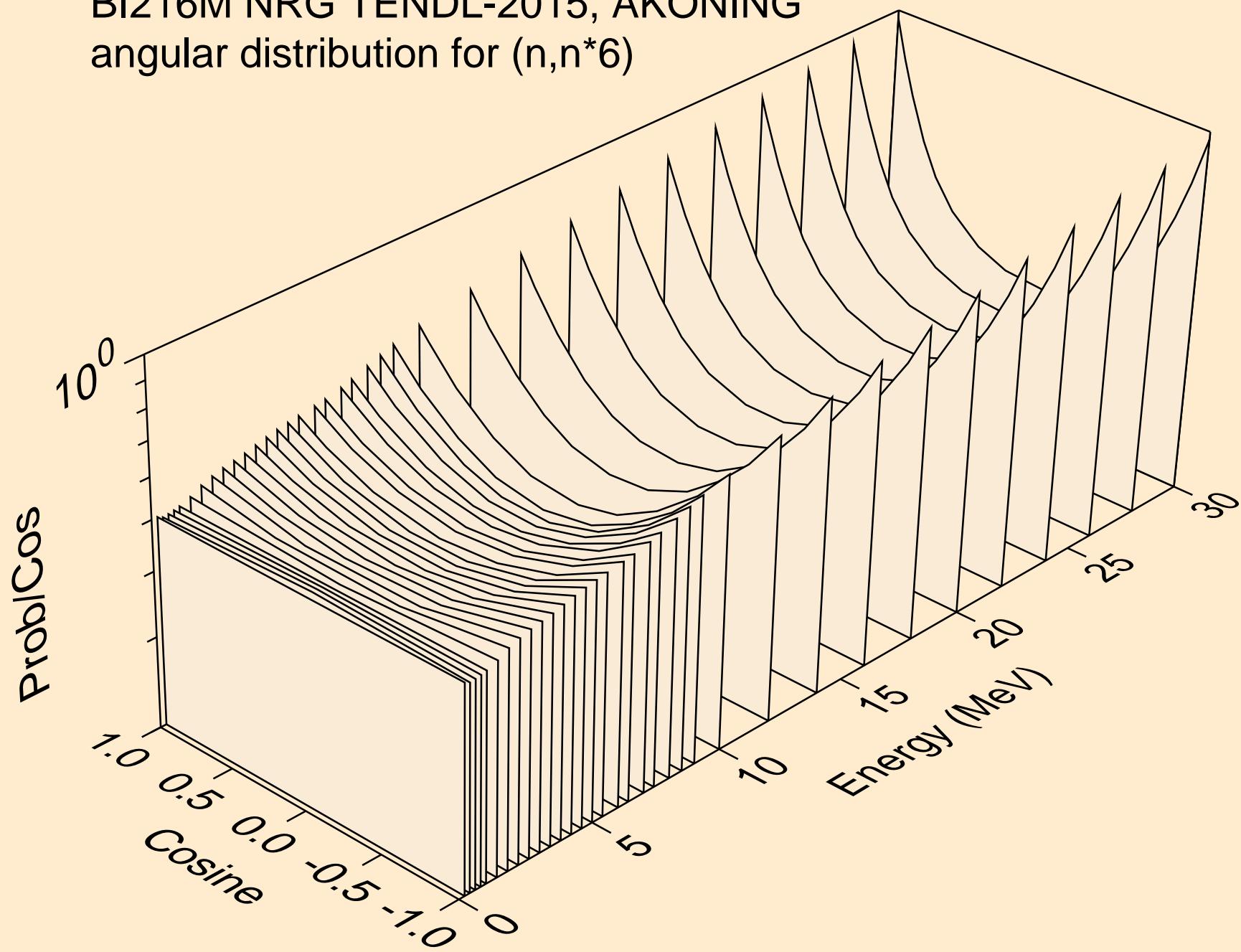
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



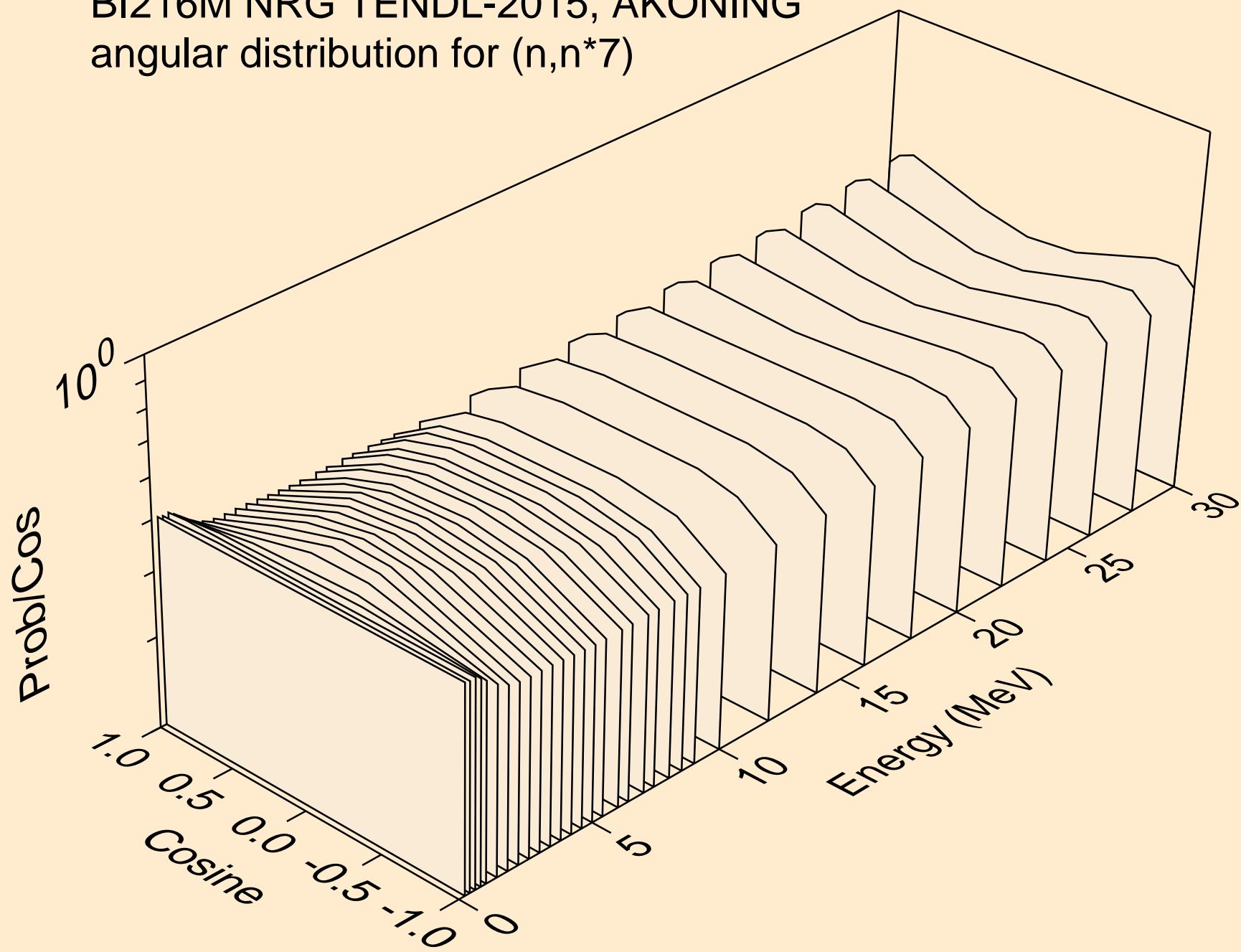
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



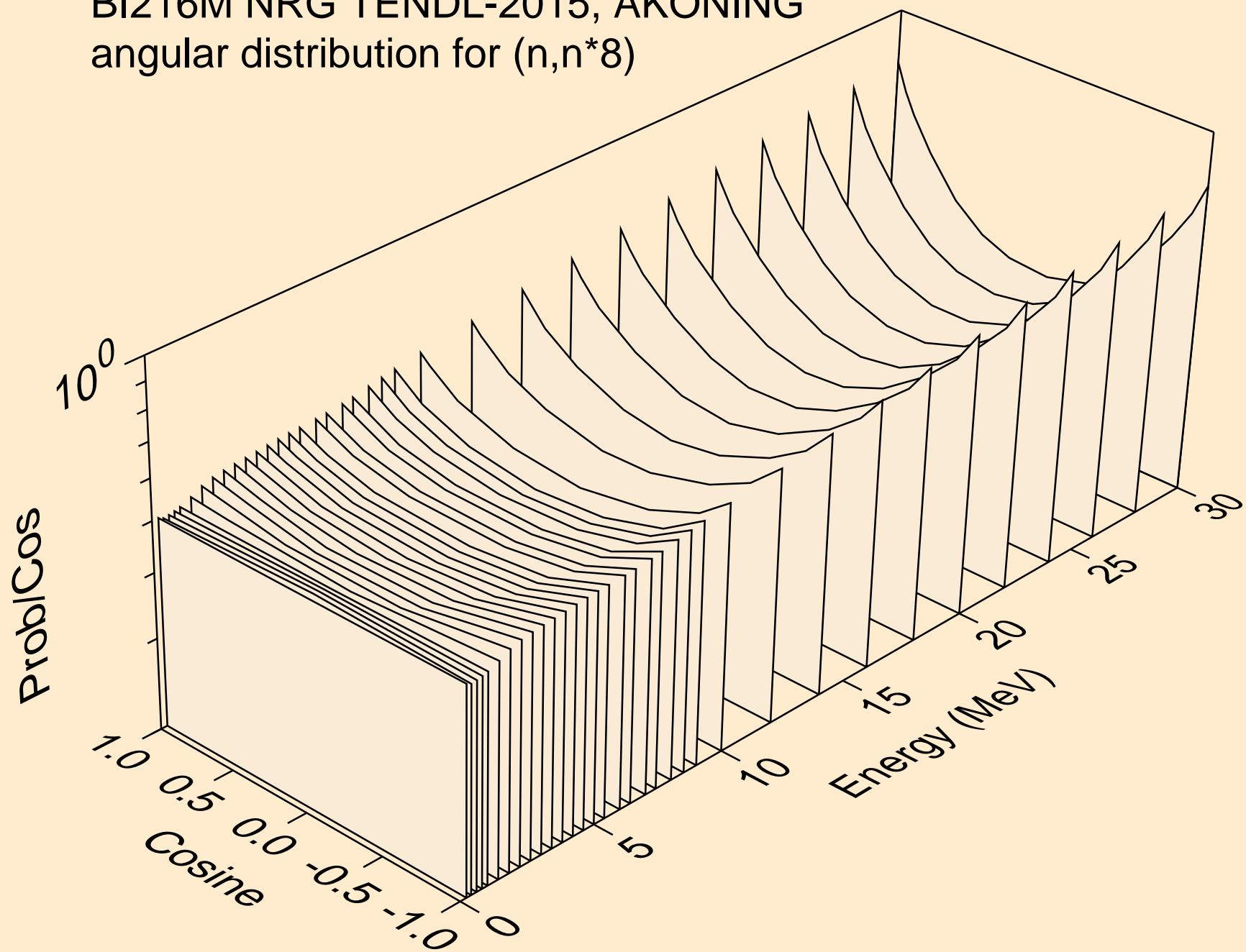
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



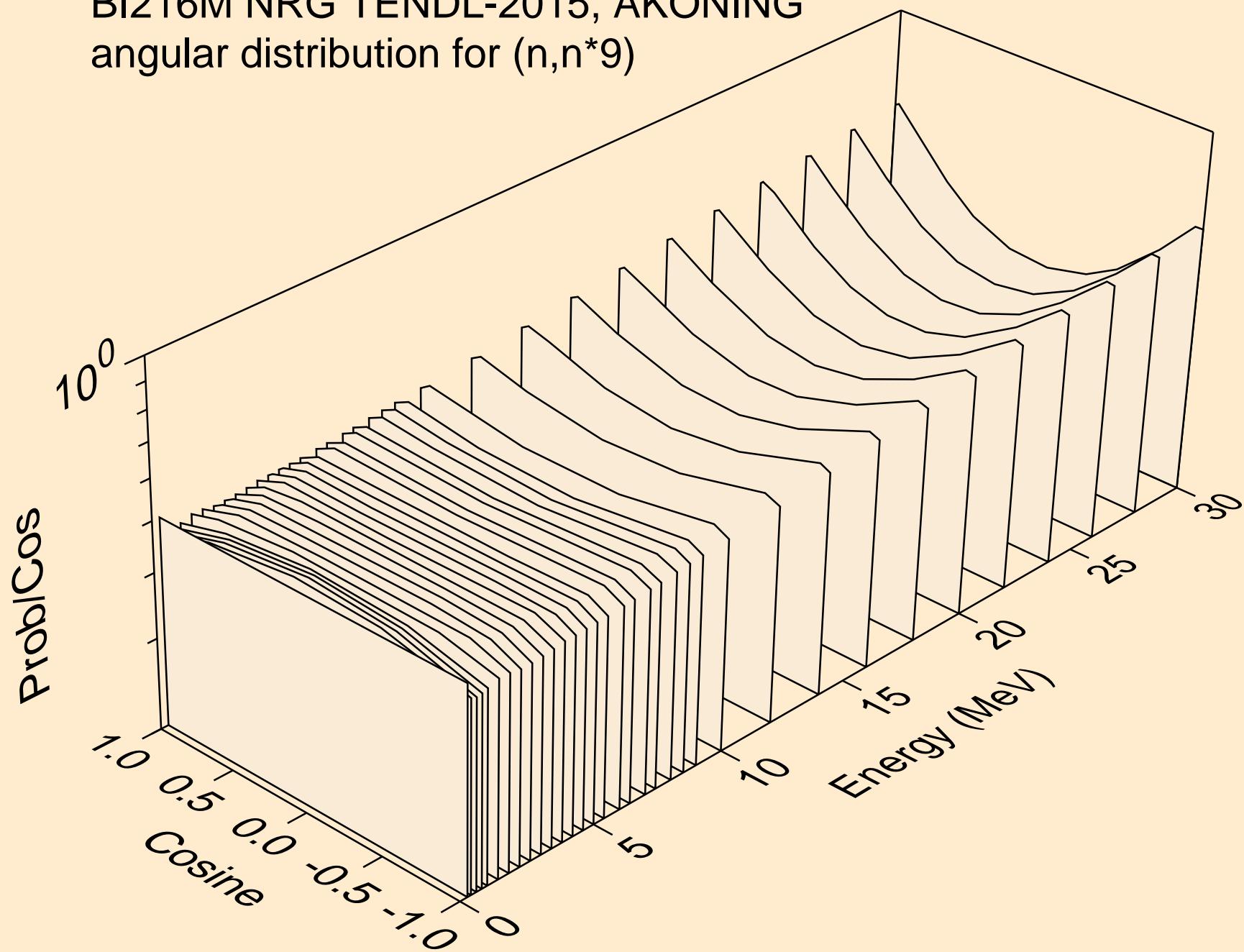
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



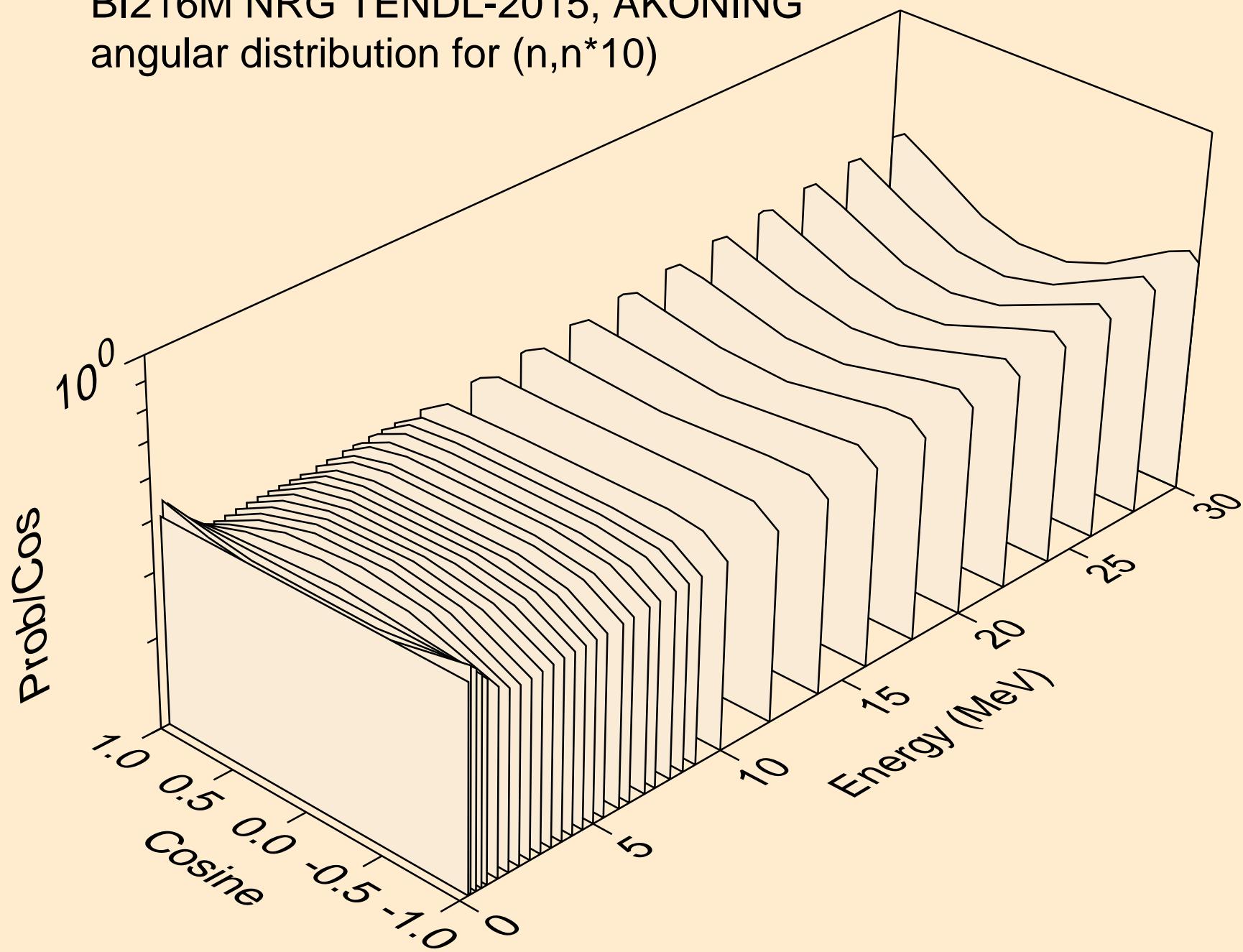
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



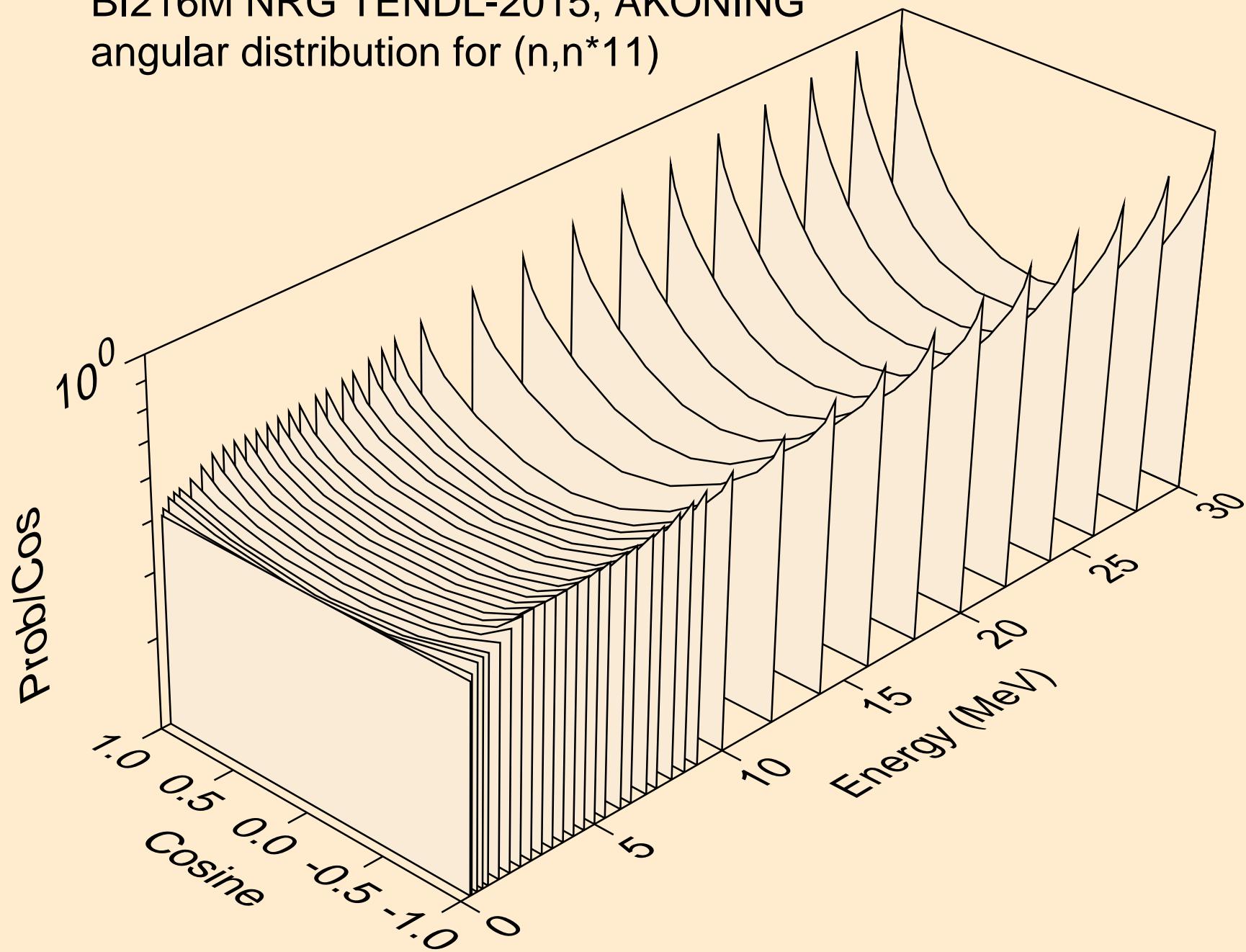
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



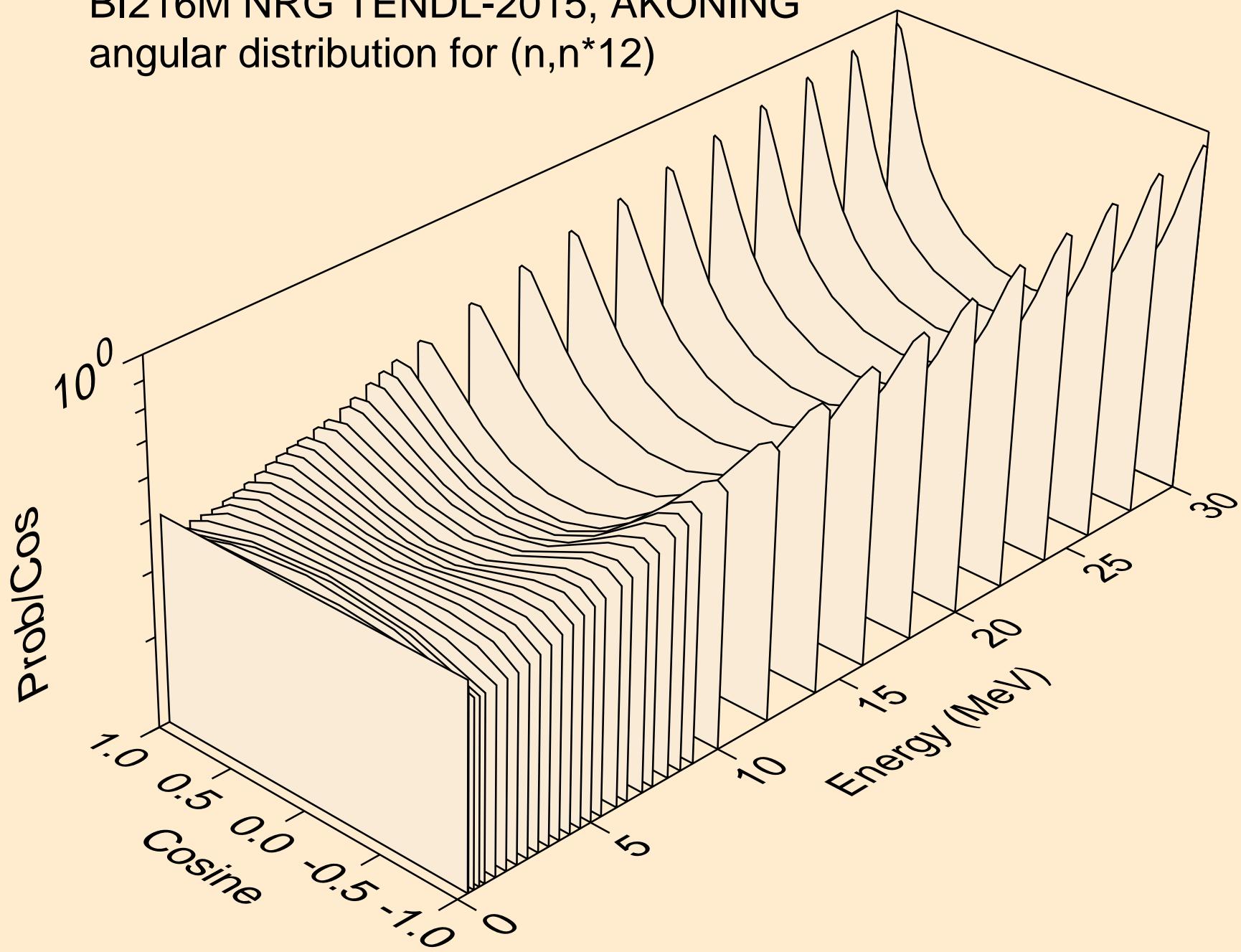
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



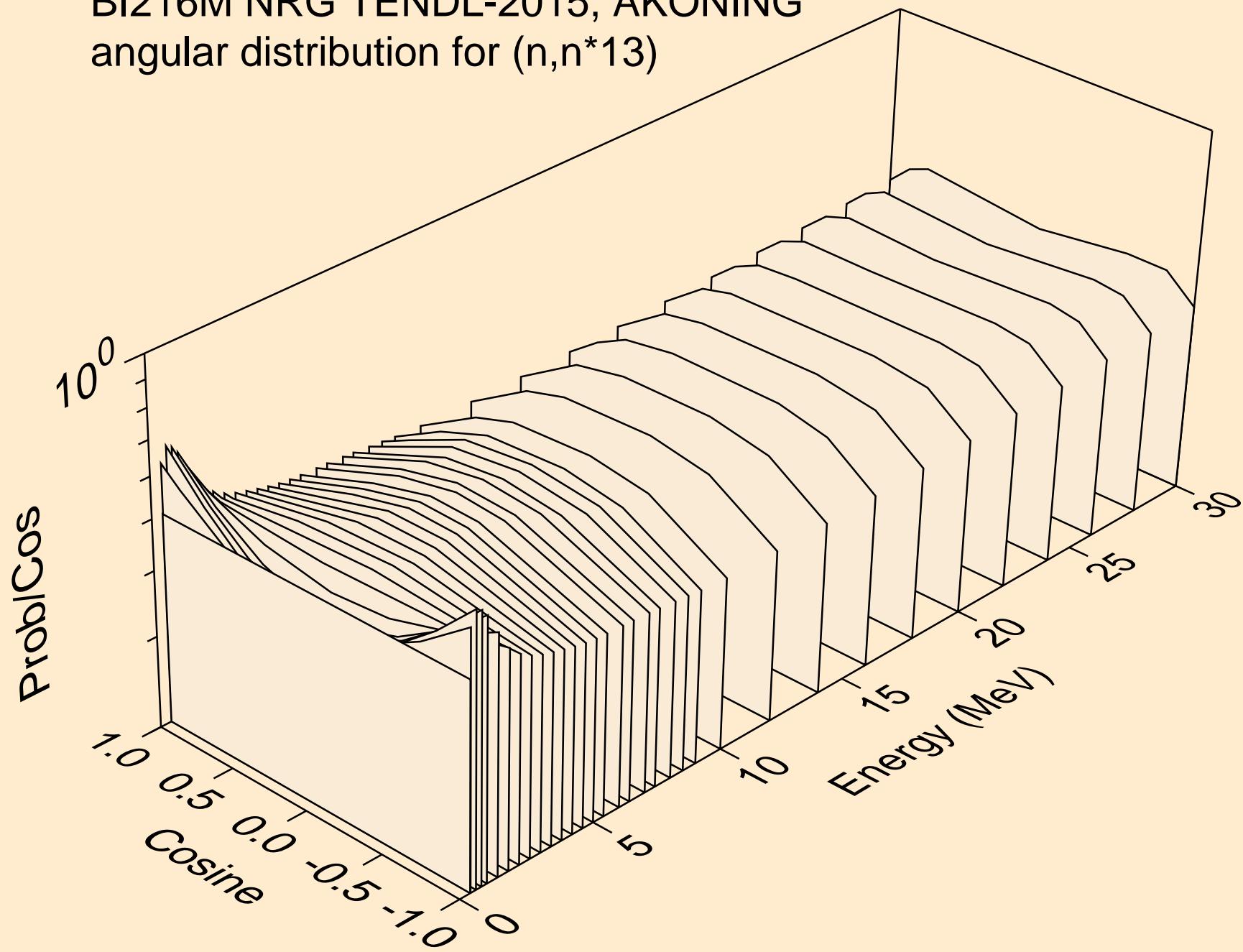
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



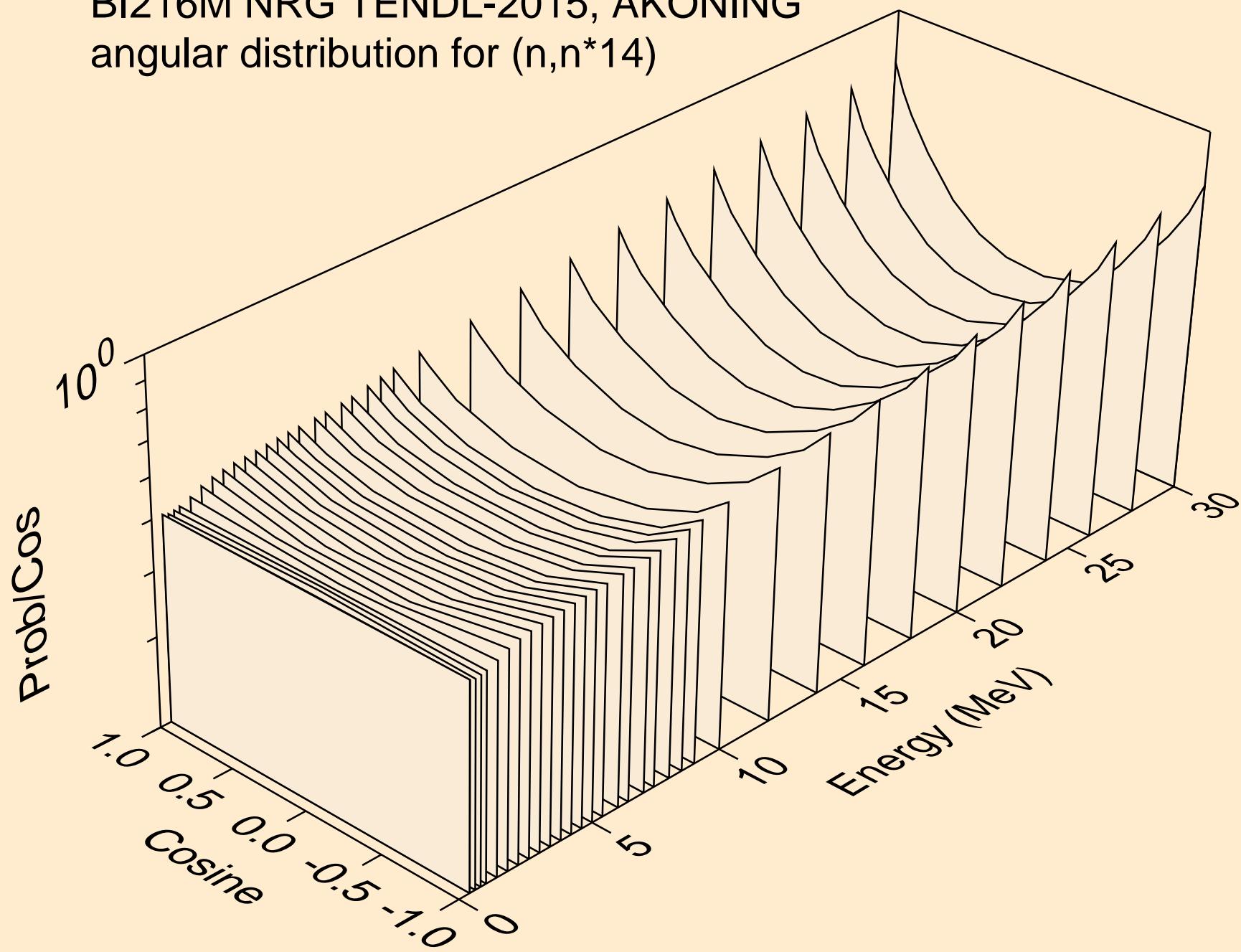
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*12)$



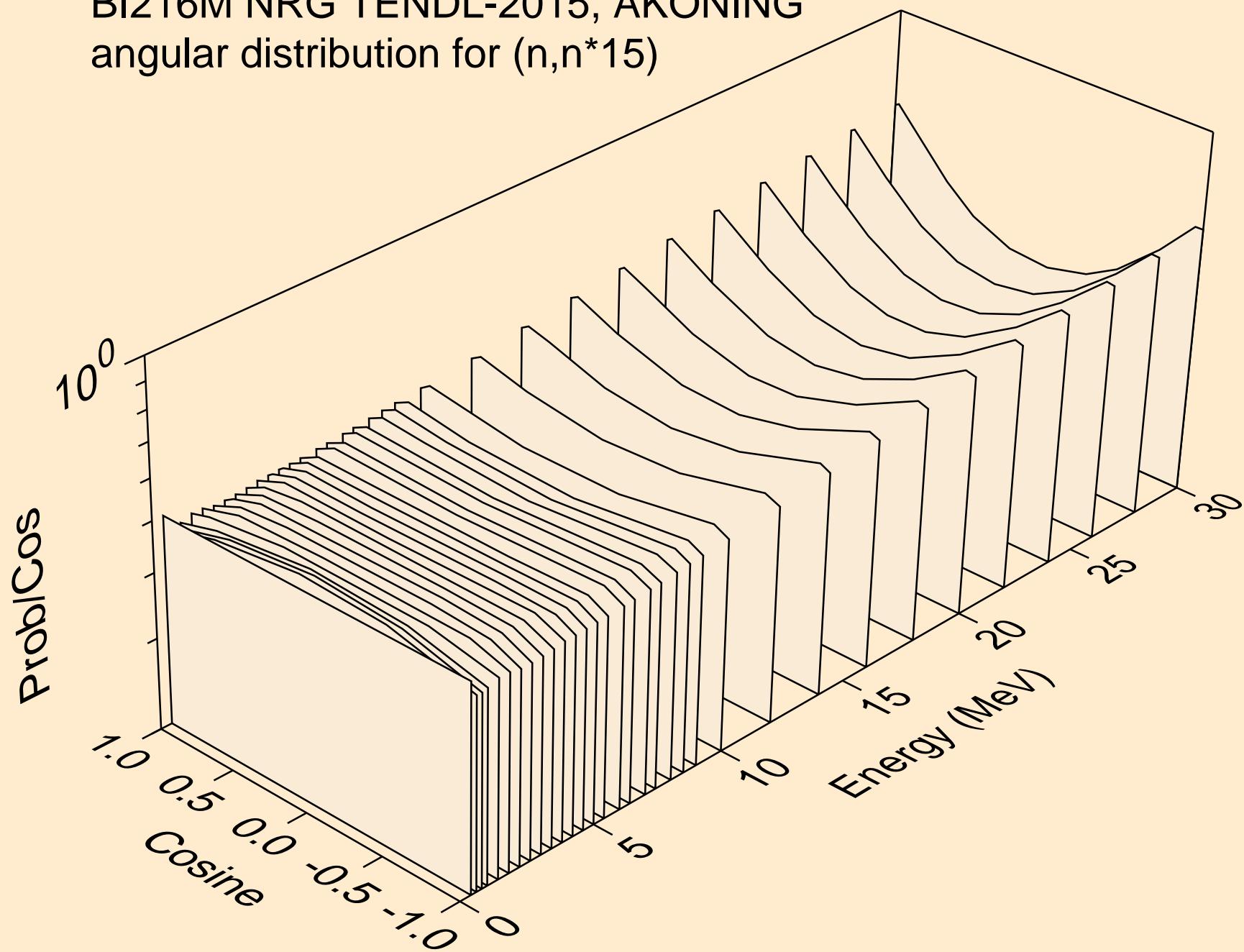
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



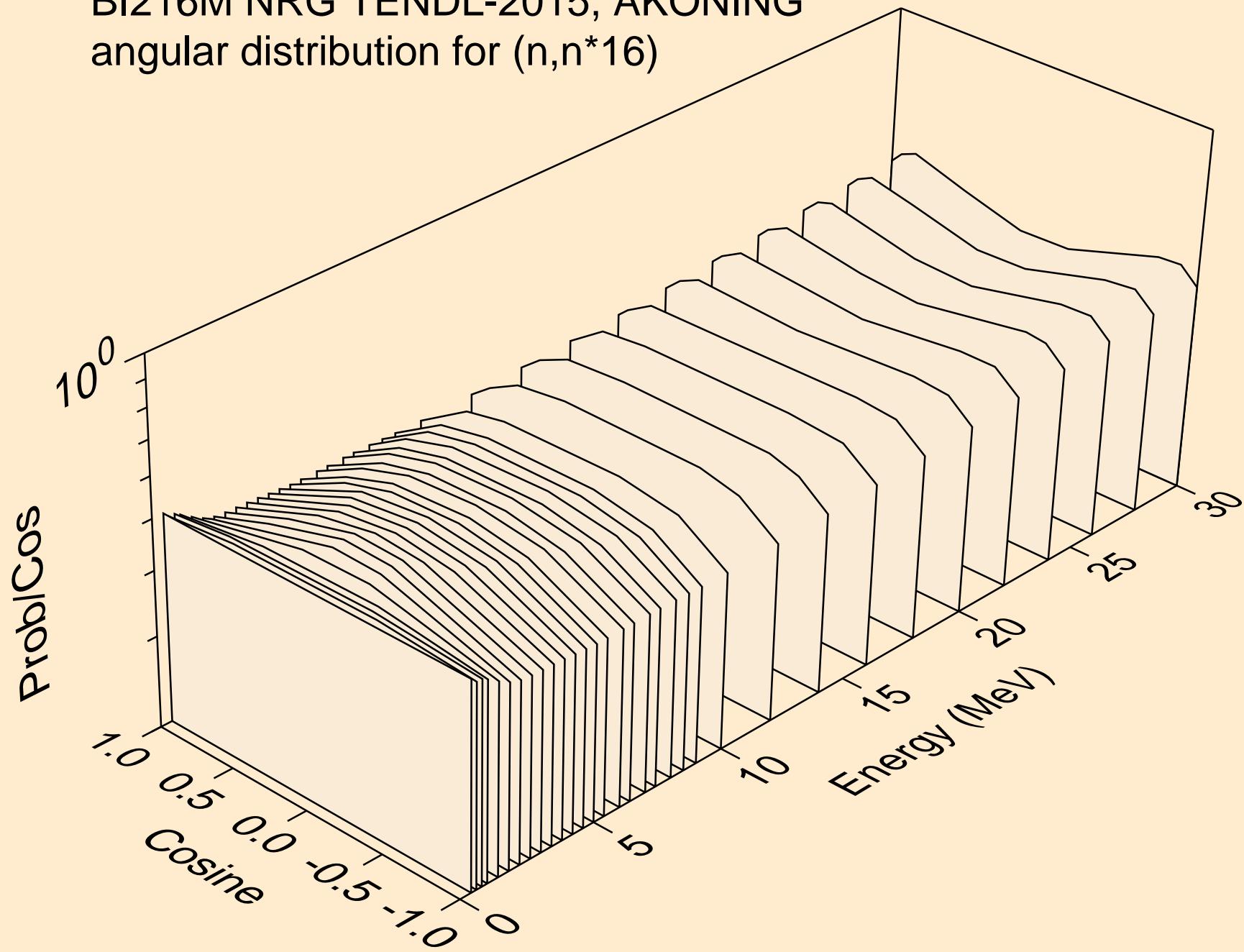
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



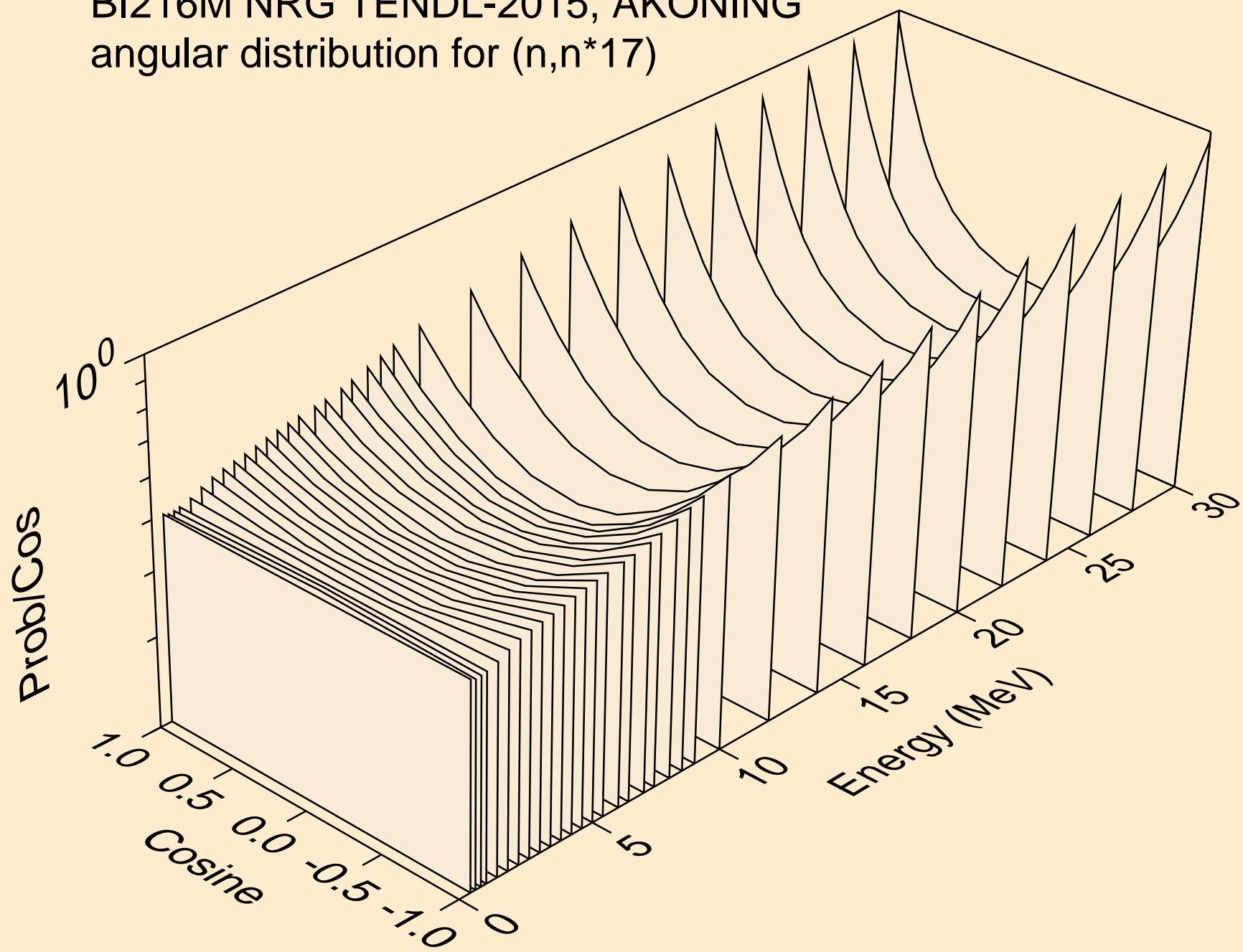
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



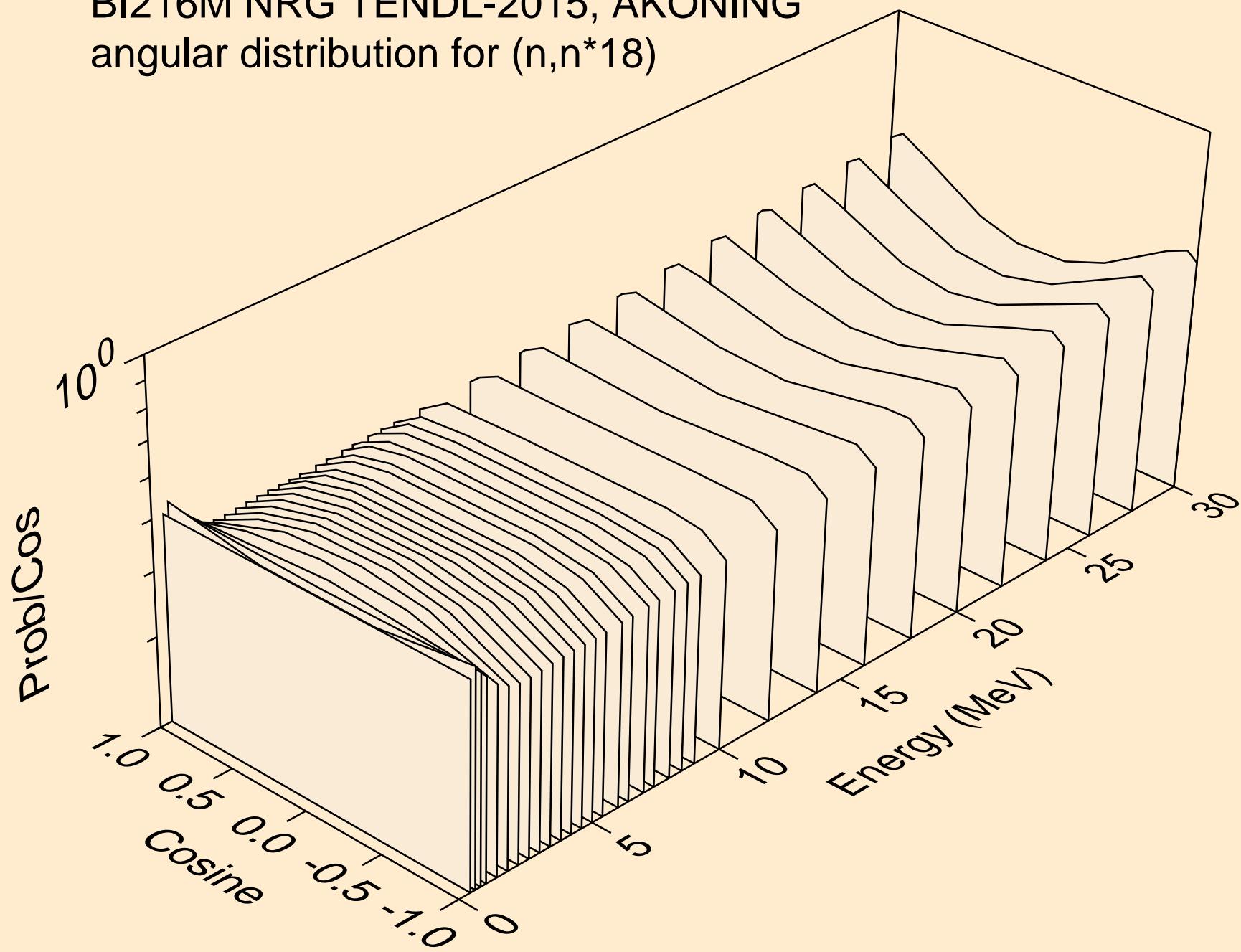
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



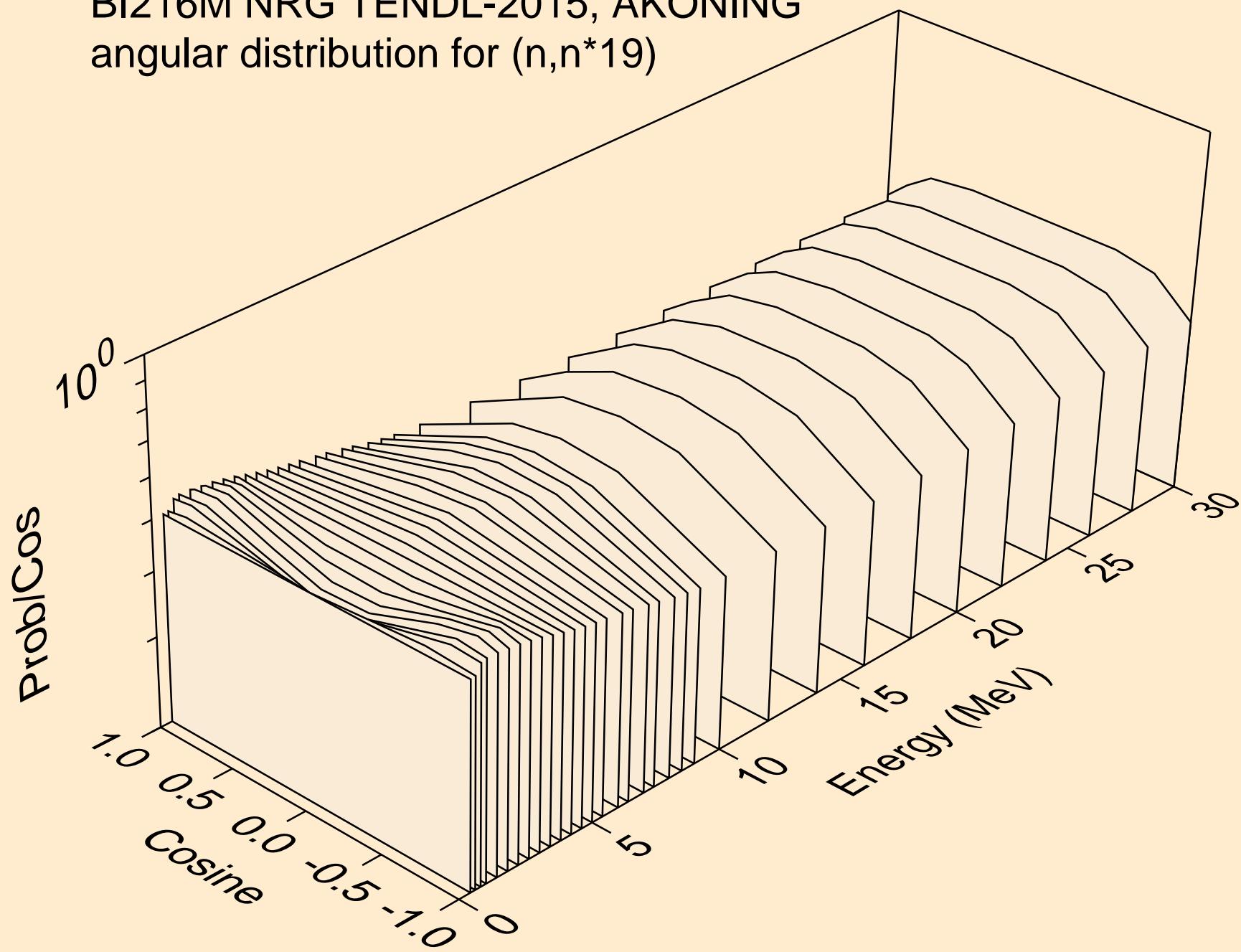
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



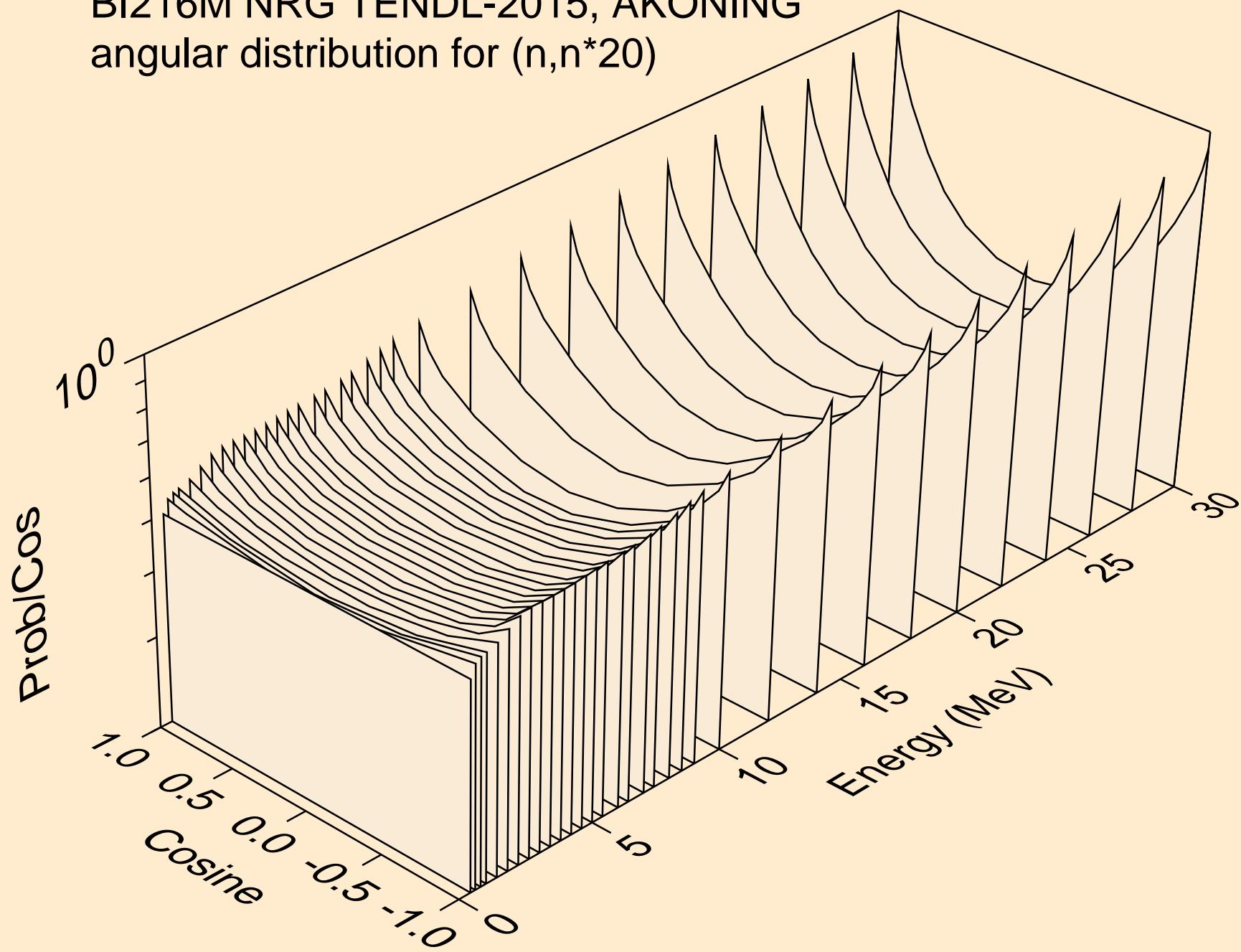
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



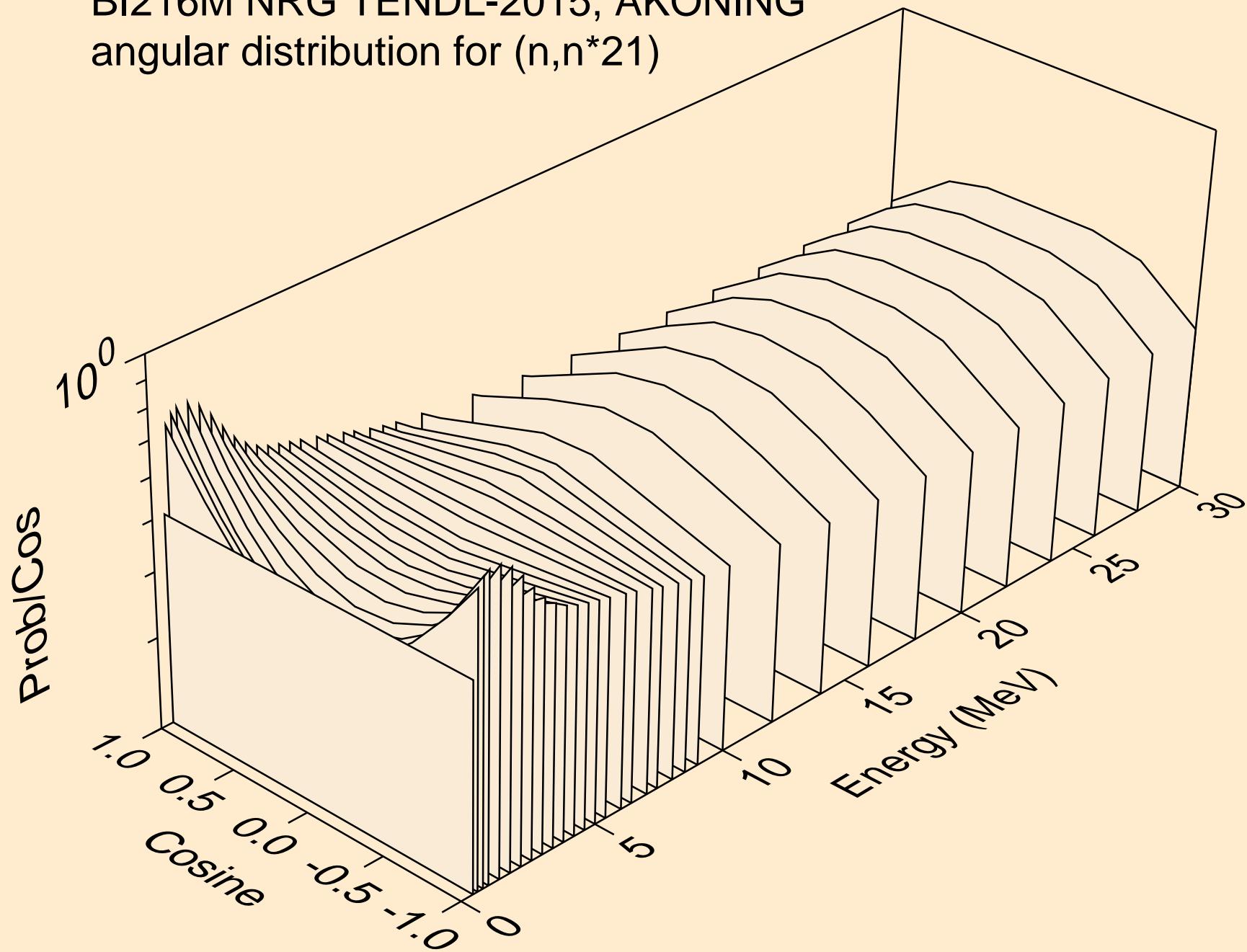
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



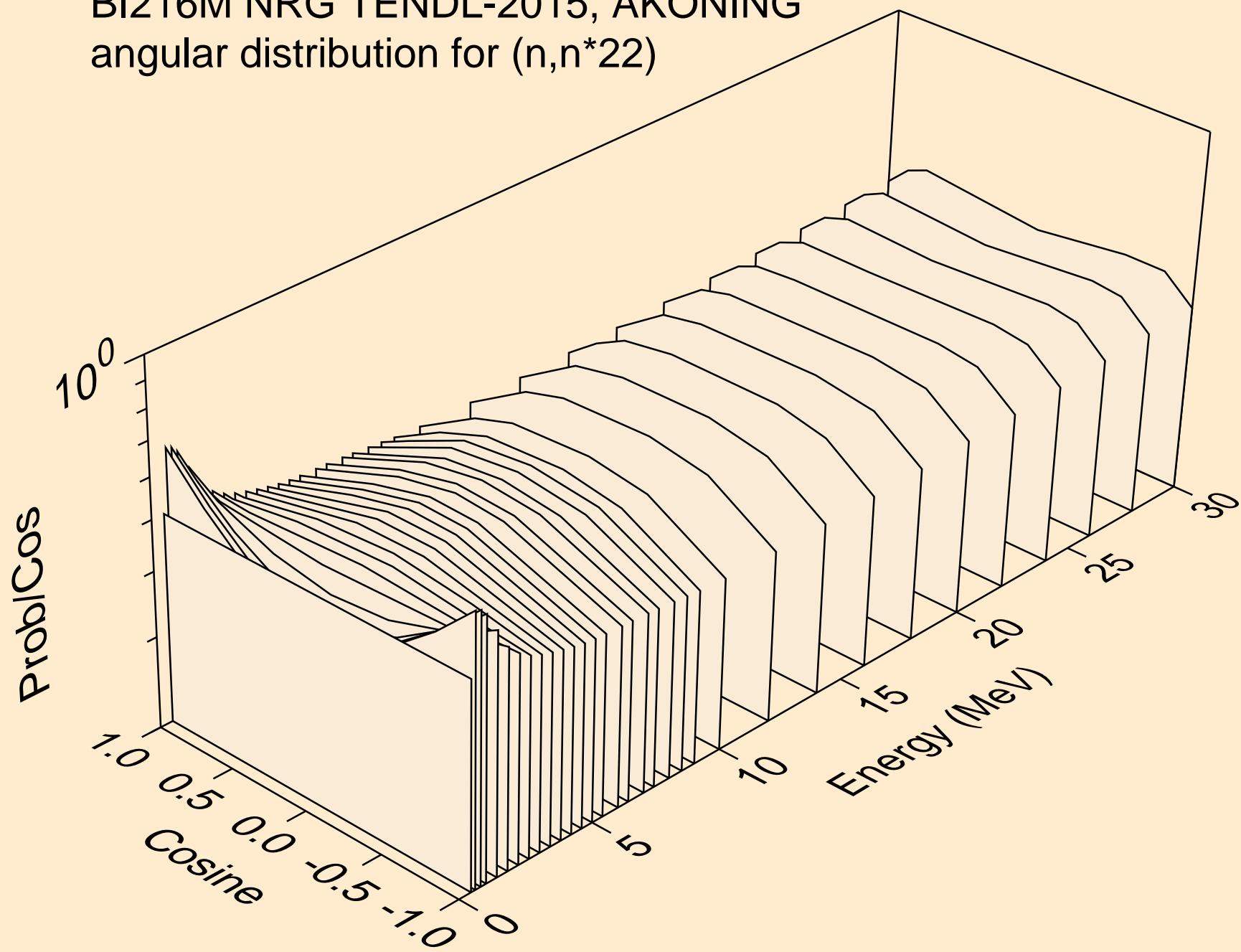
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



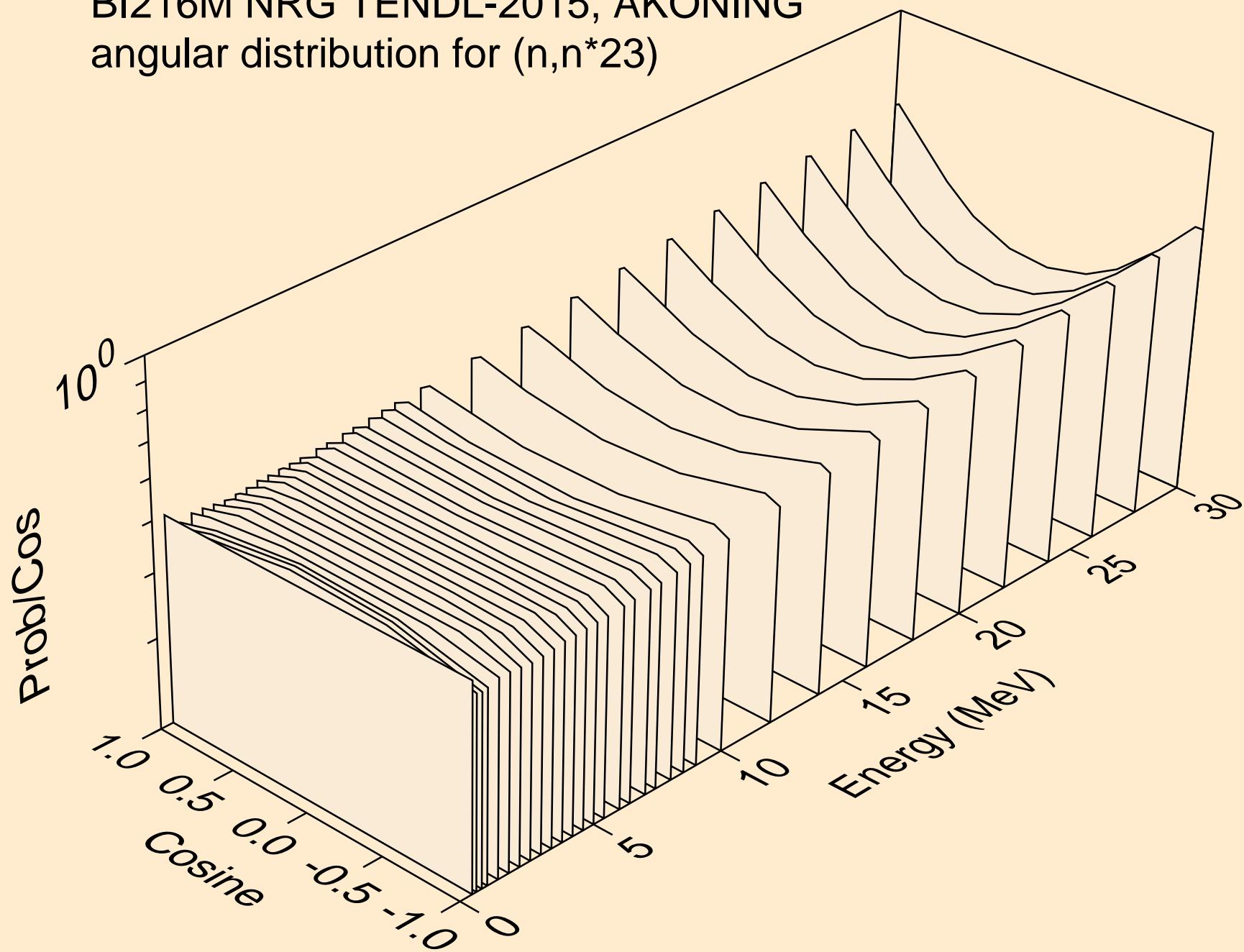
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



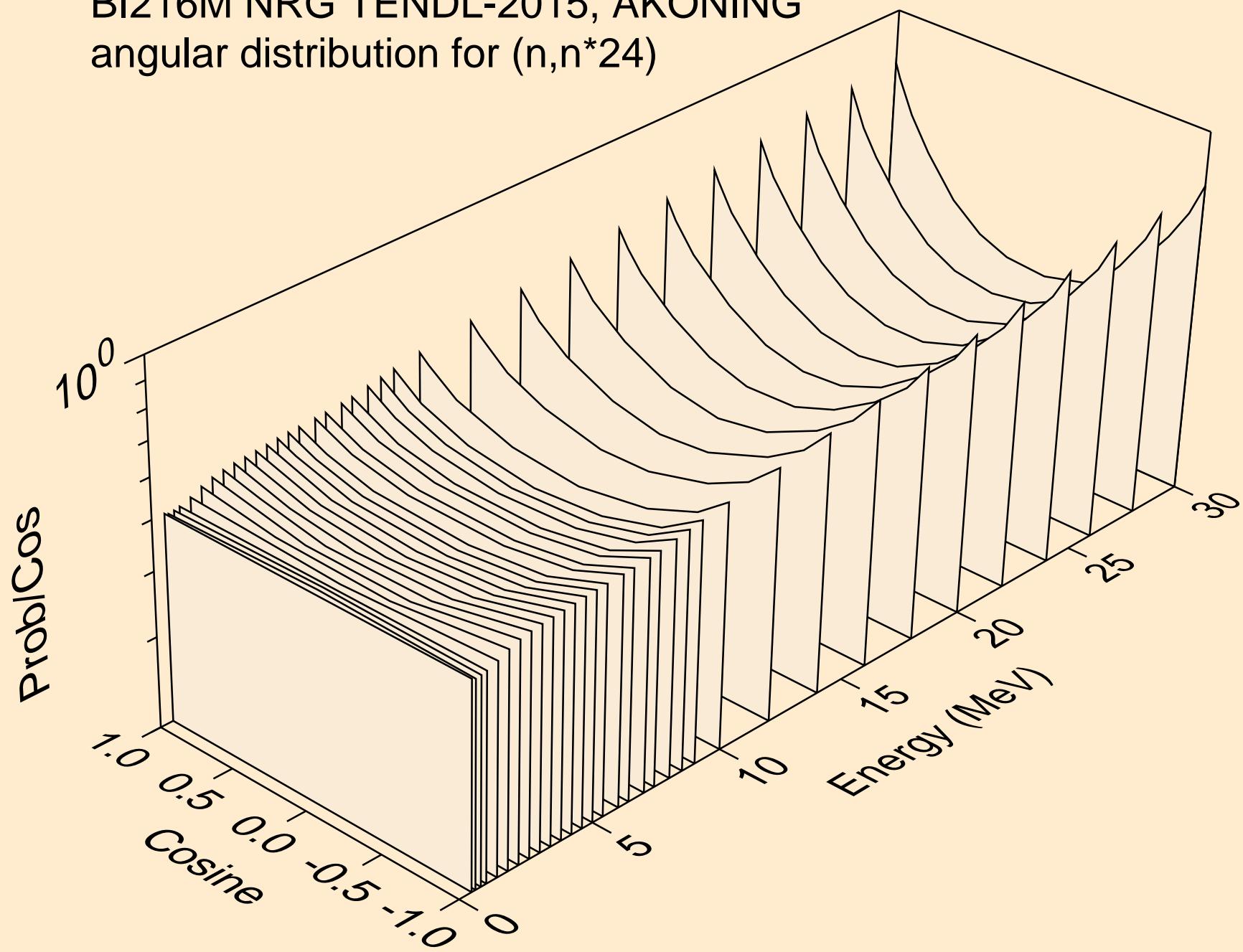
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



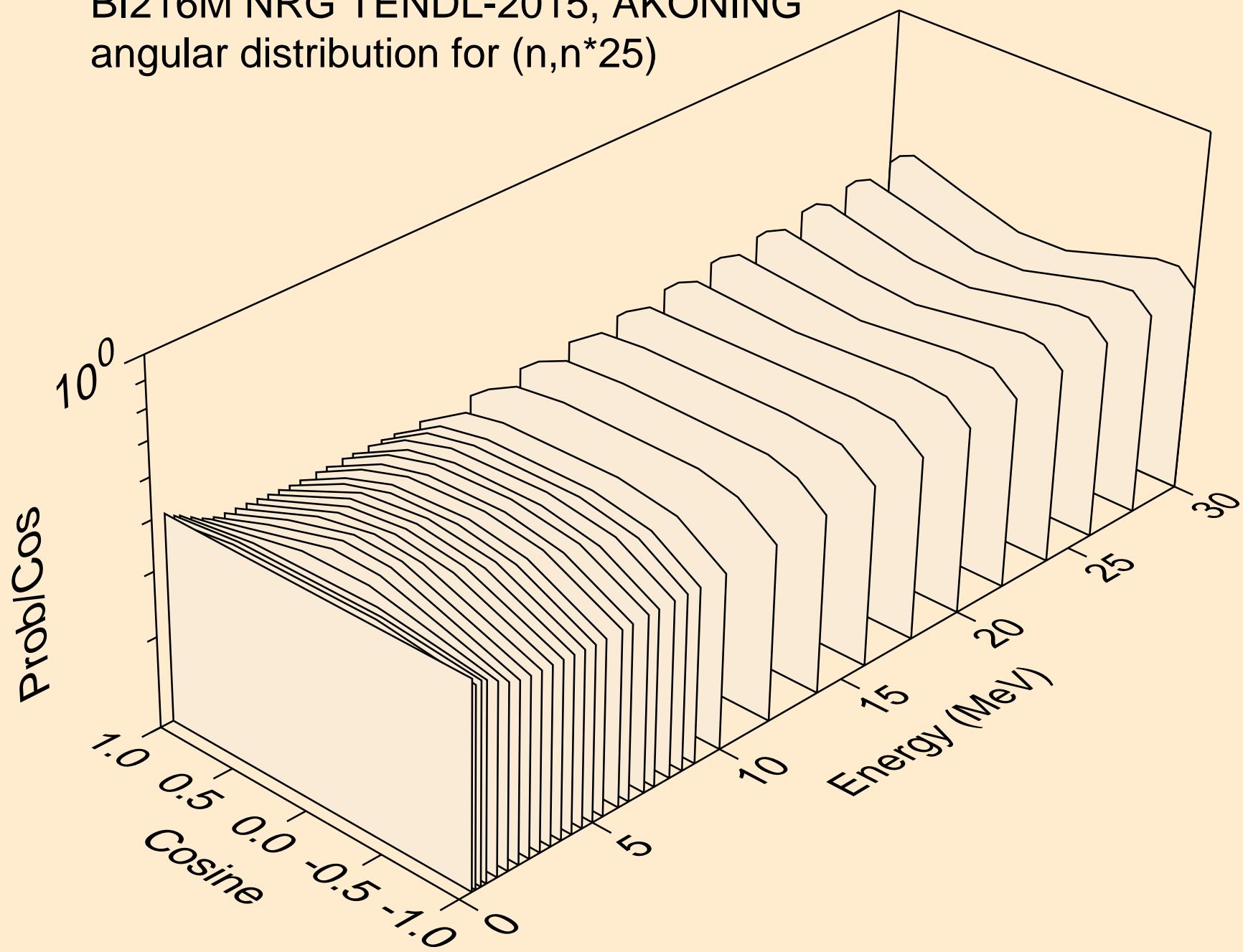
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



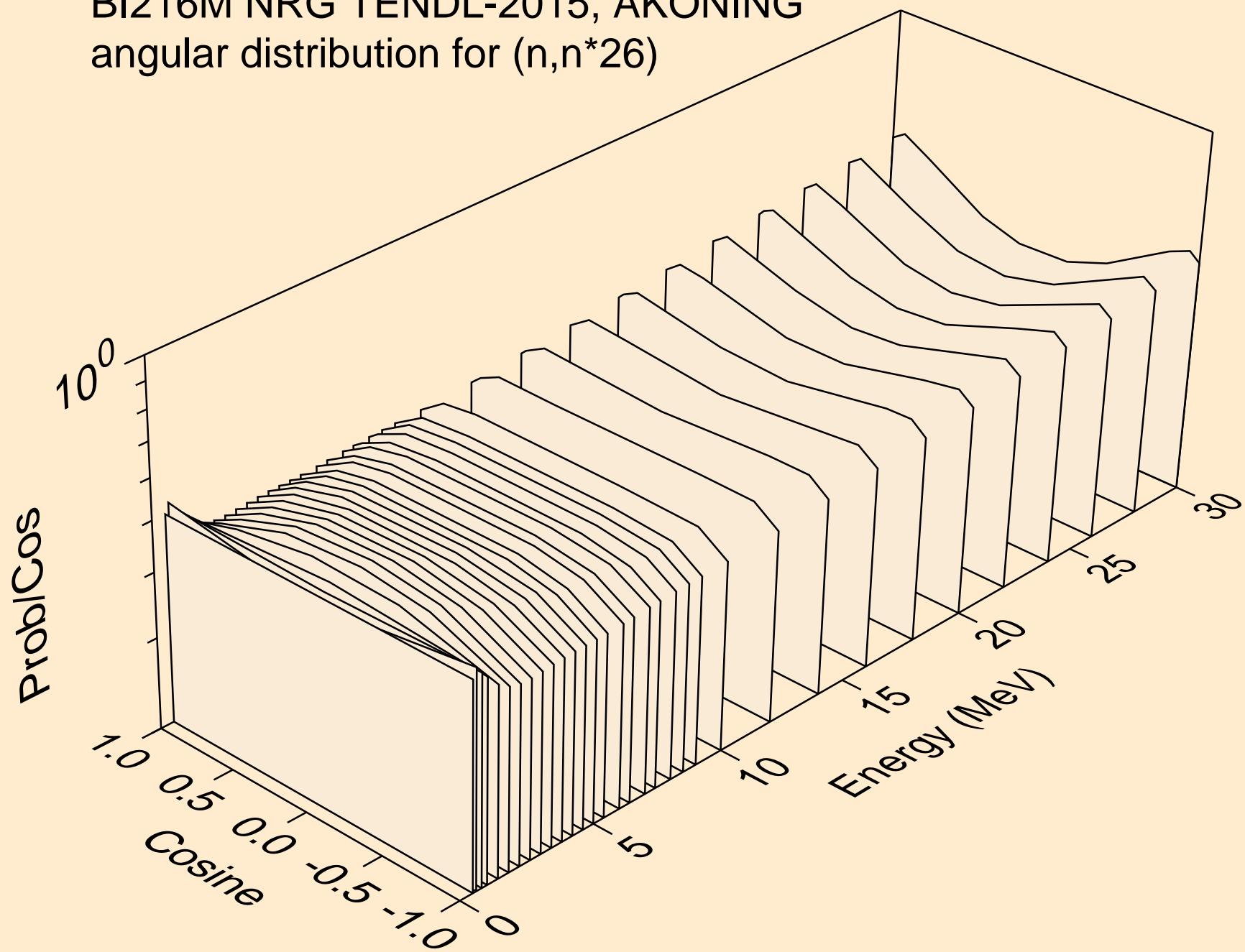
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



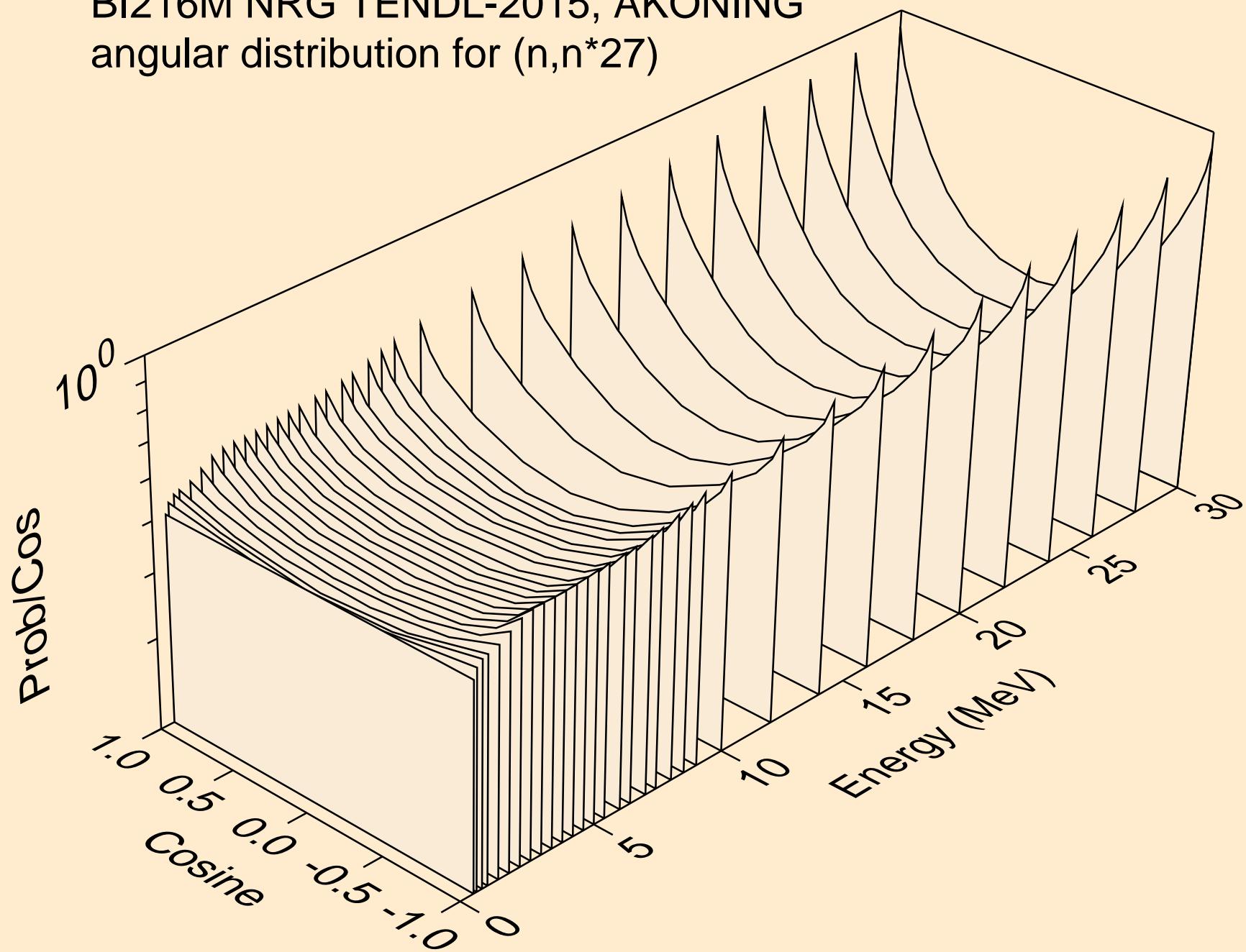
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



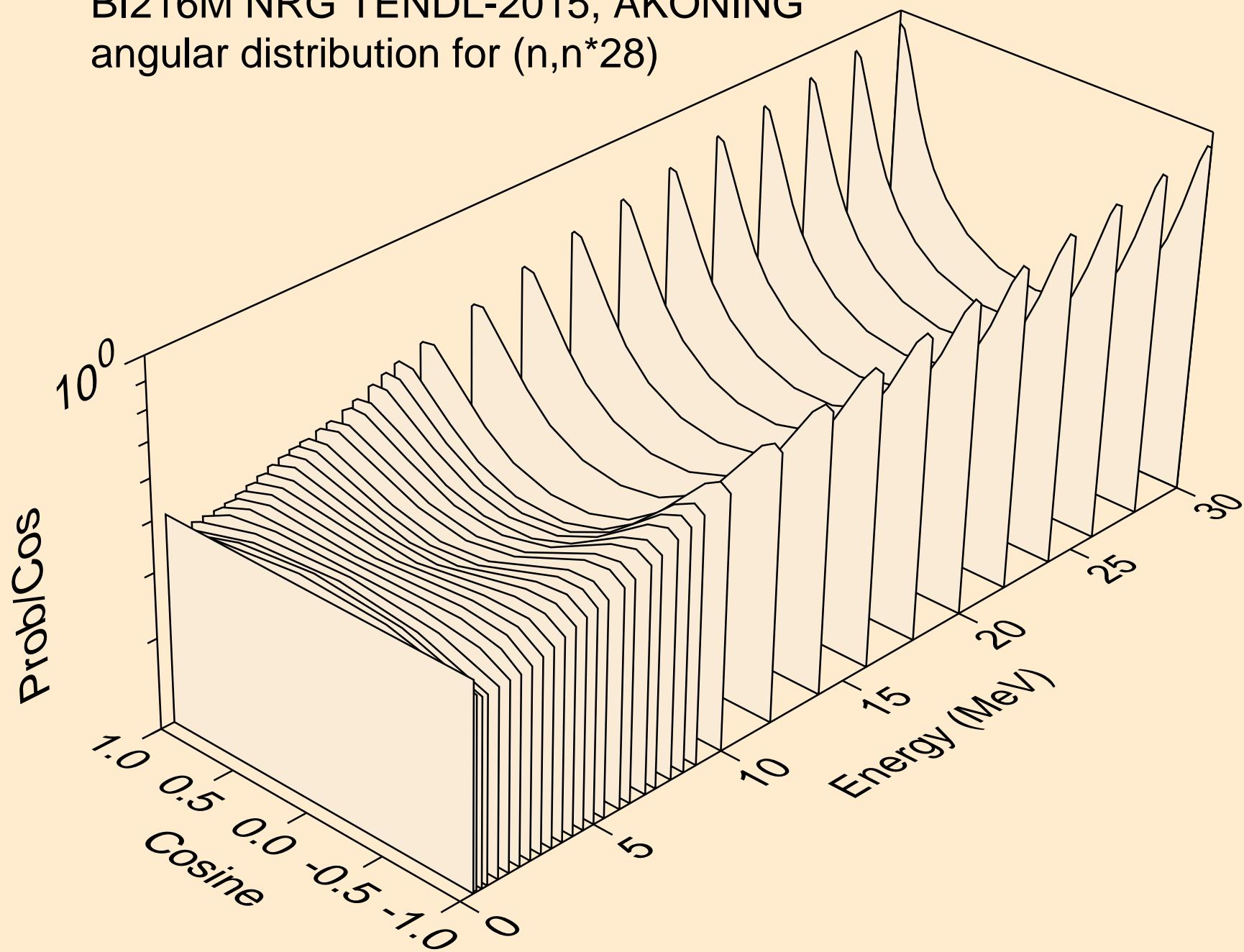
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



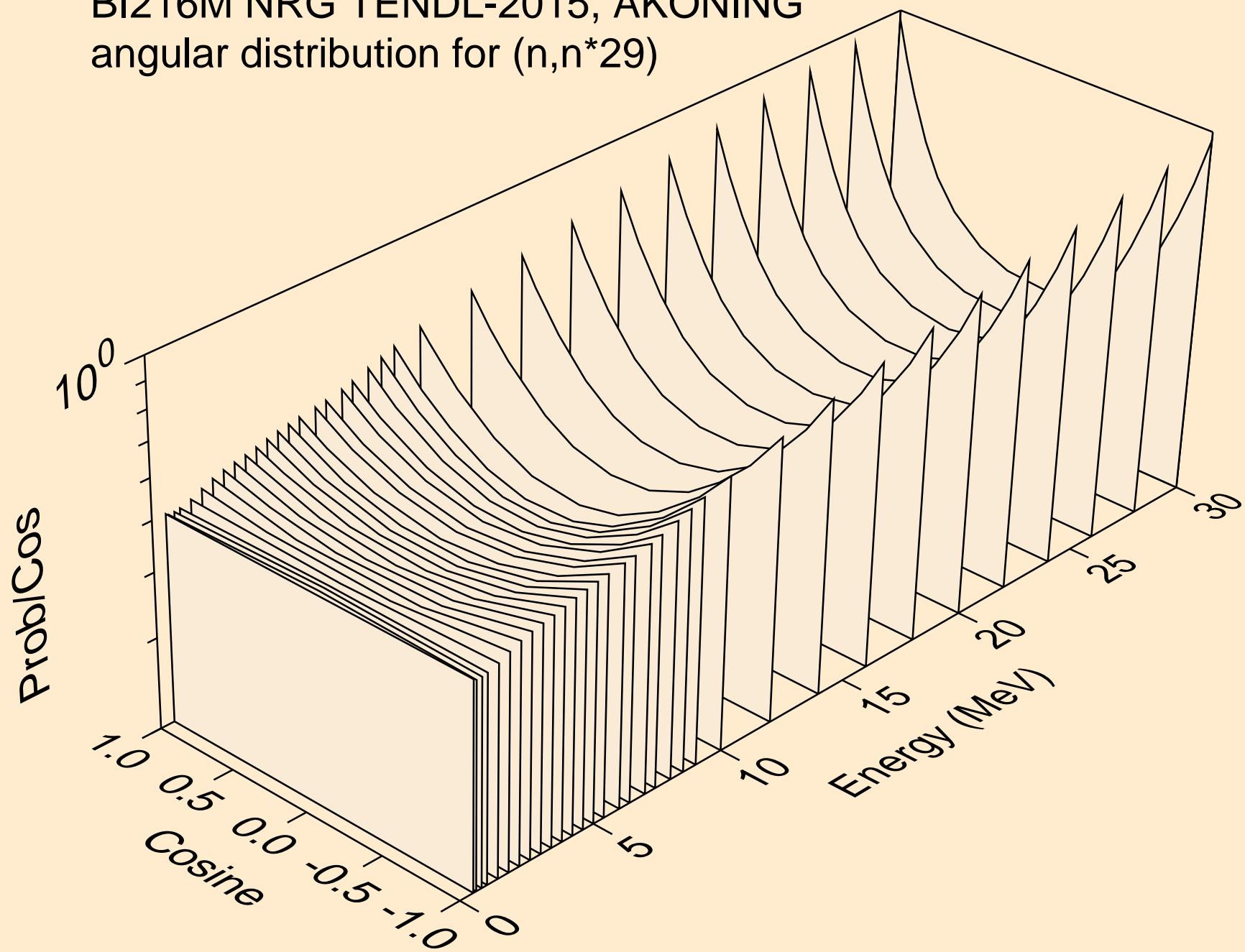
BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



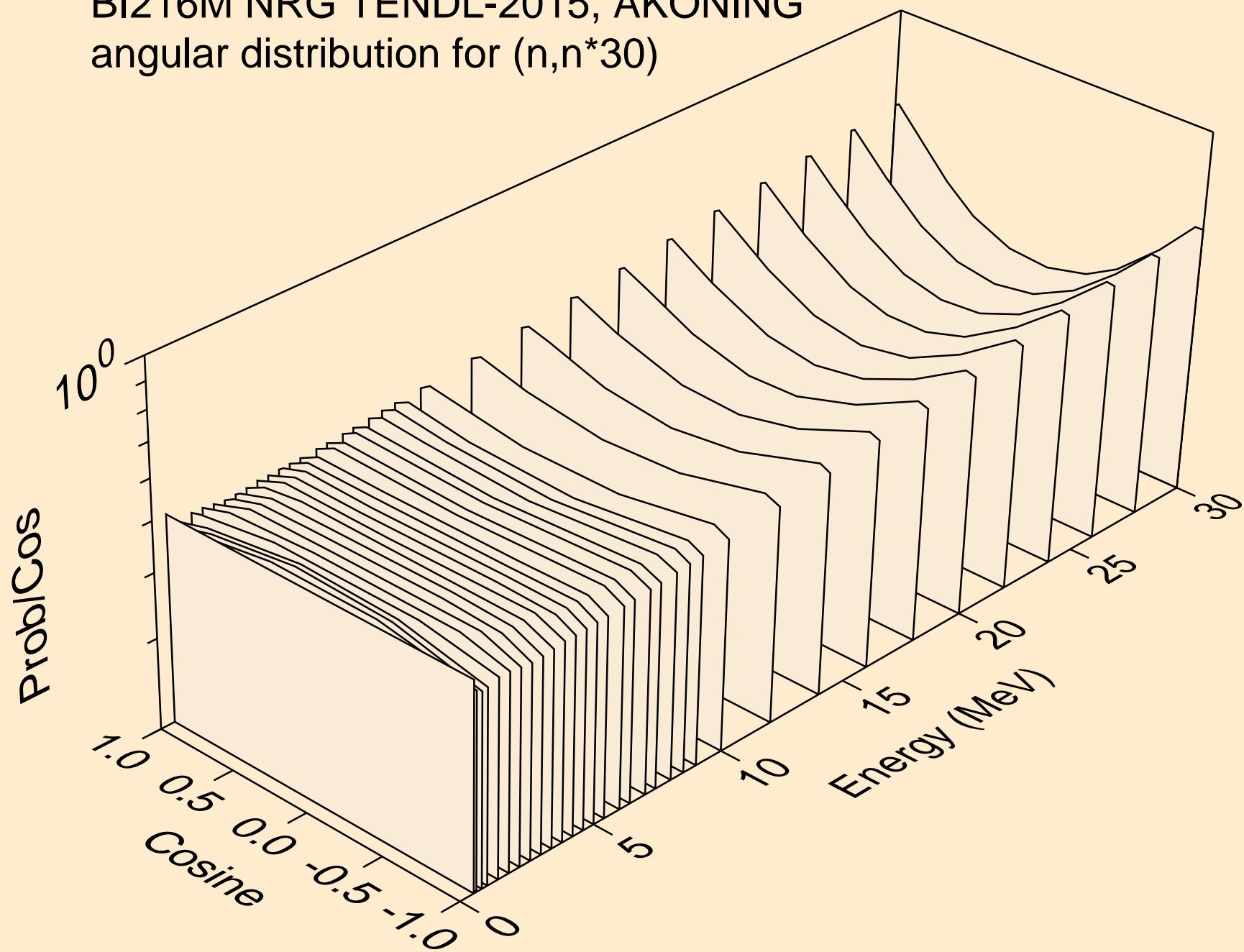
BI216M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{28}$



BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

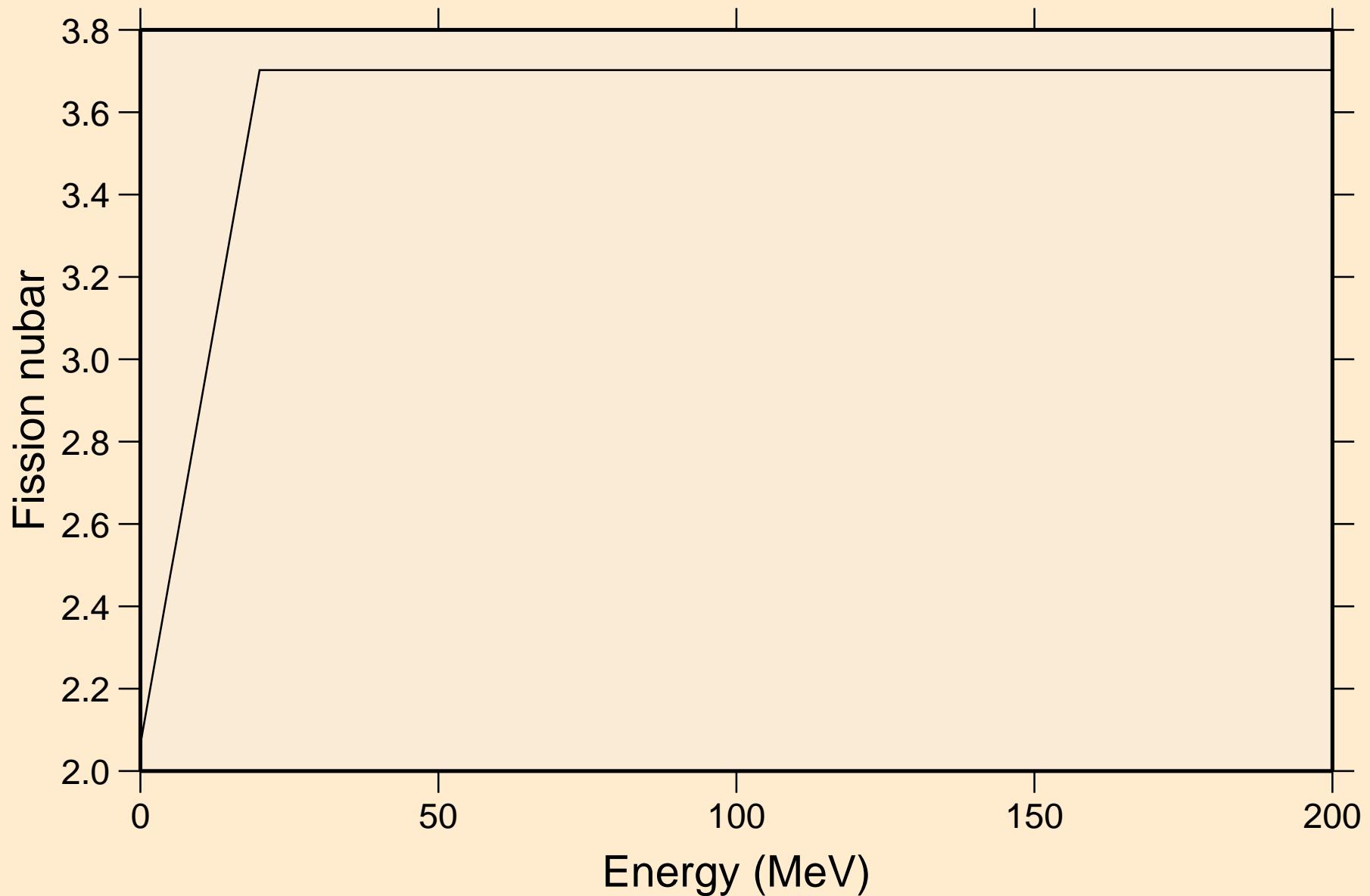


BI216M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

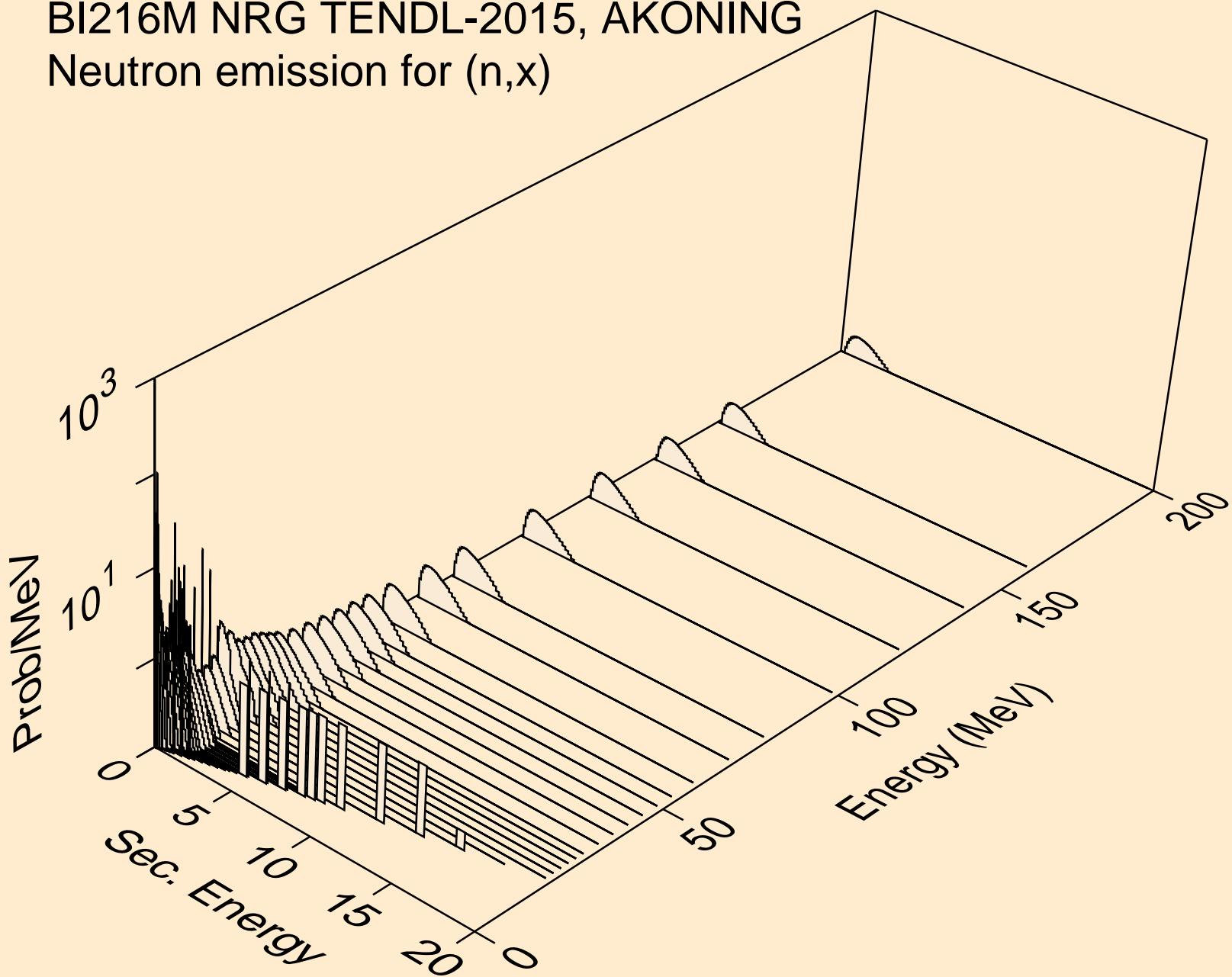


BI216M NRG TENDL-2015, AKONING

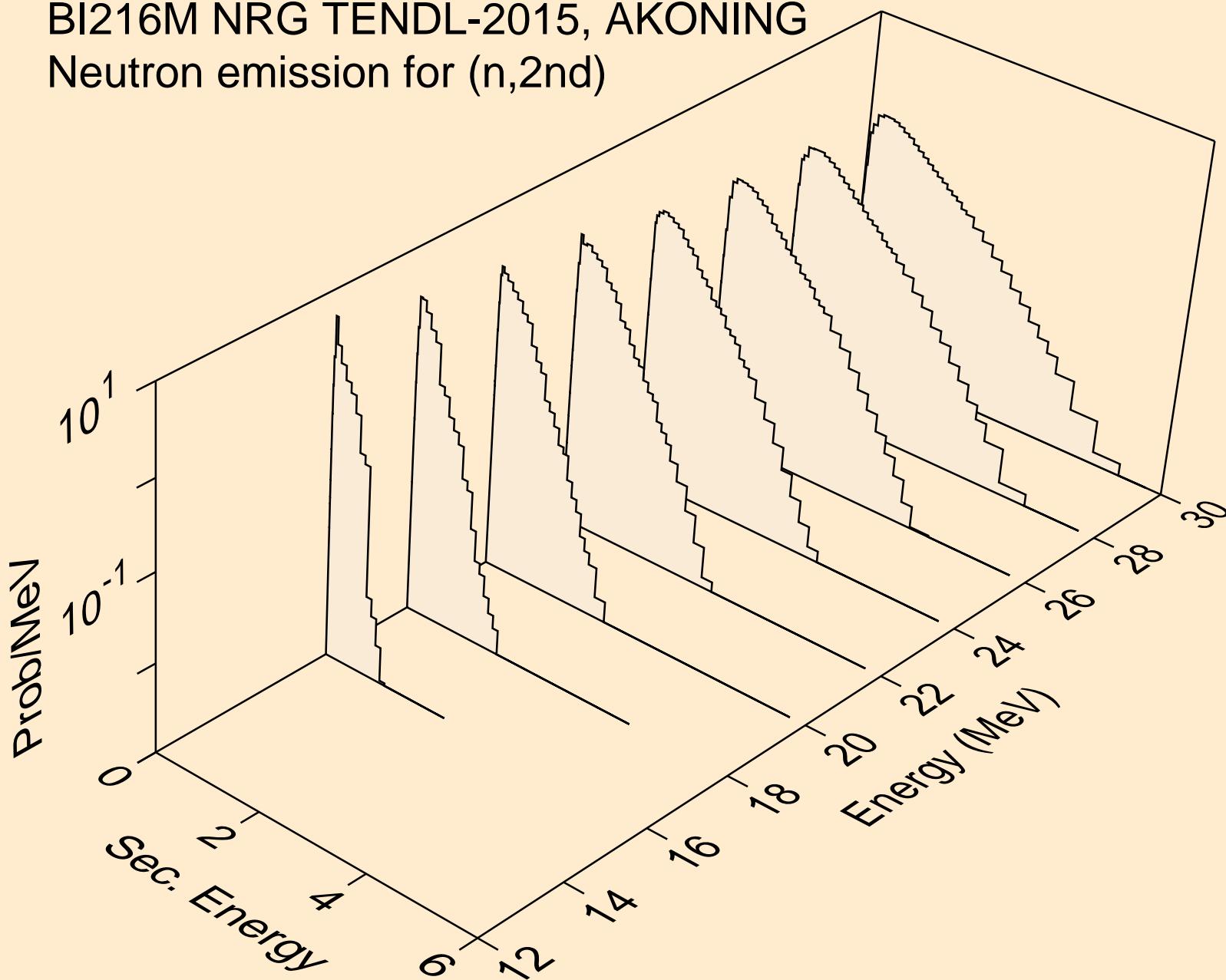
Total fission nubar



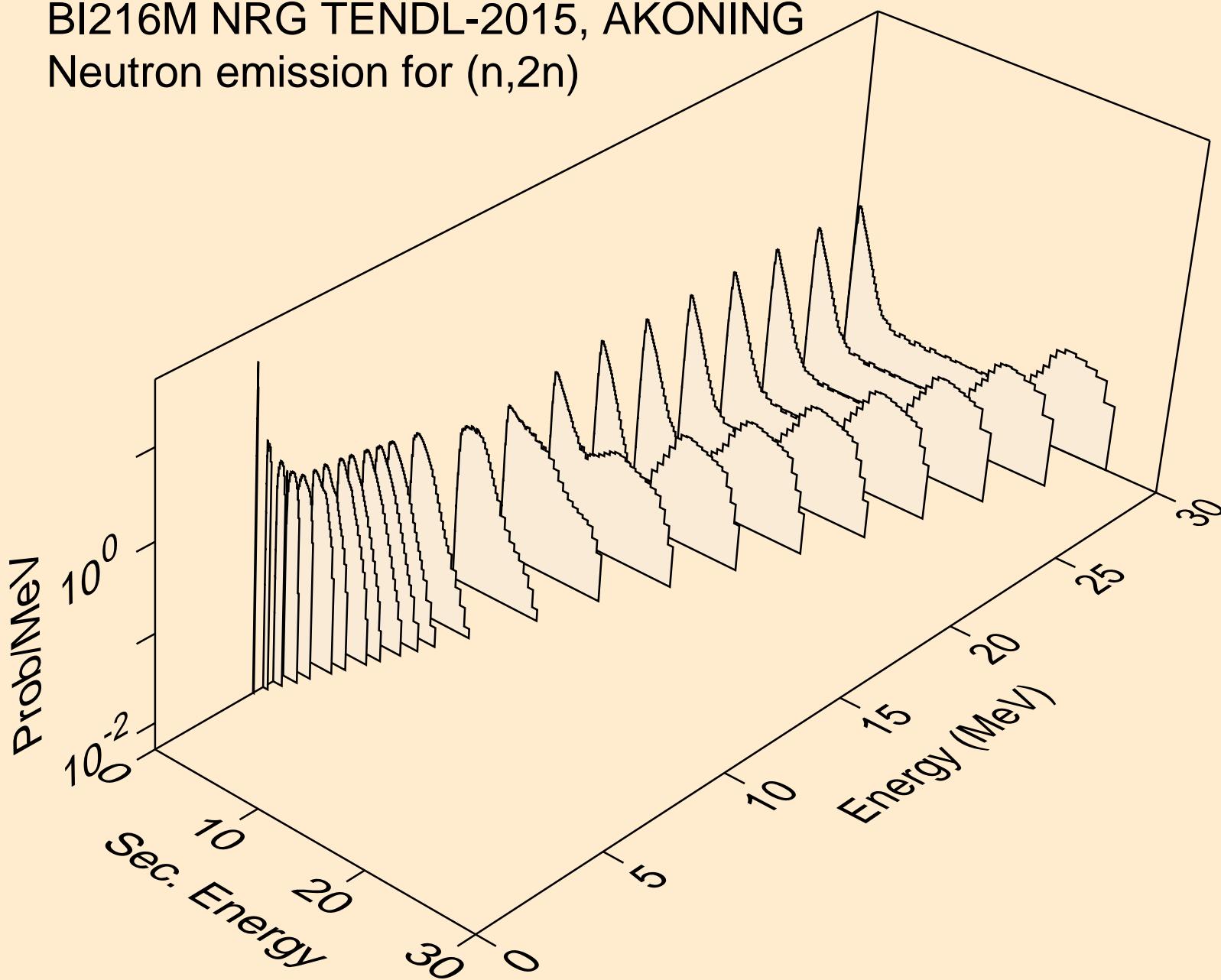
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



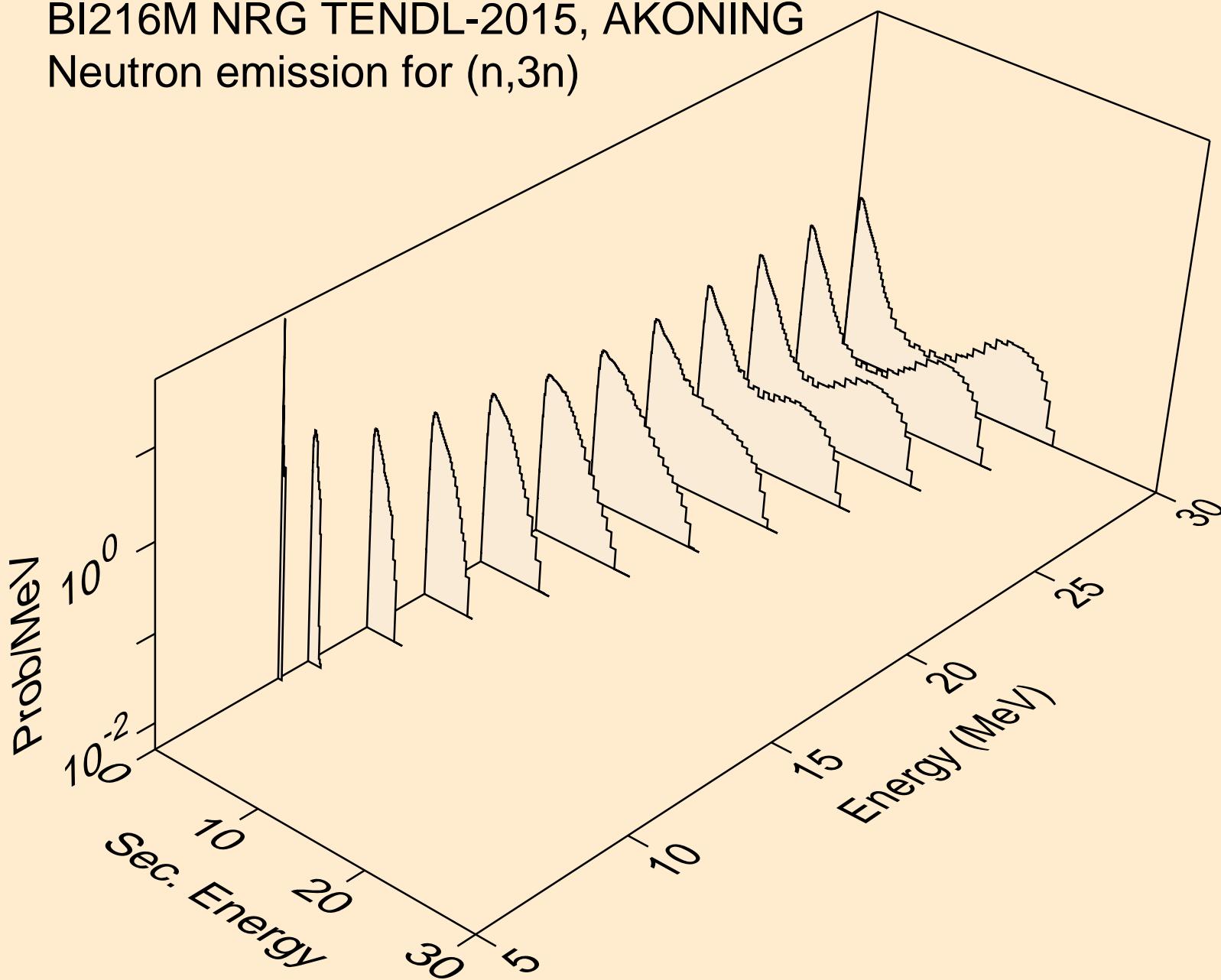
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



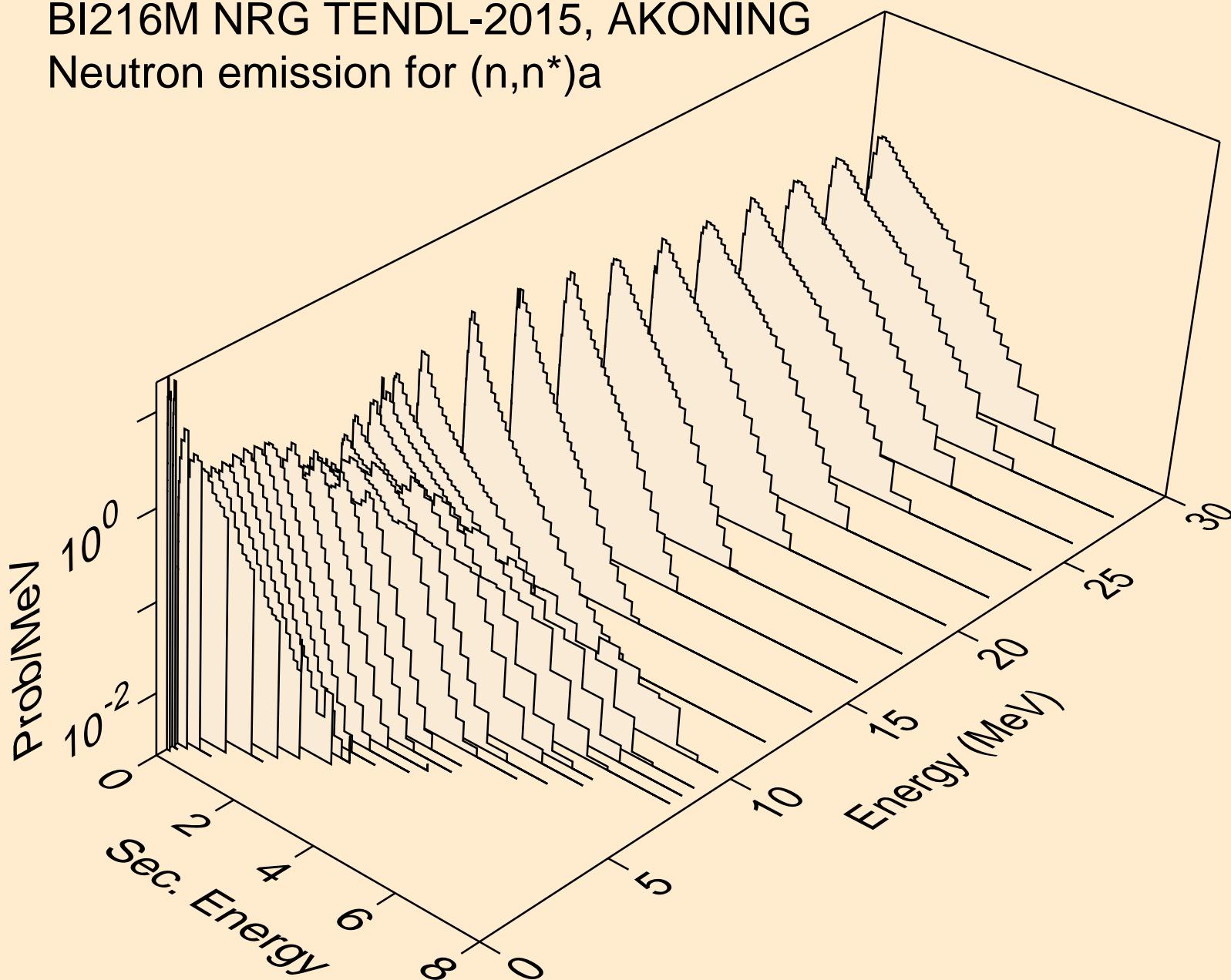
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



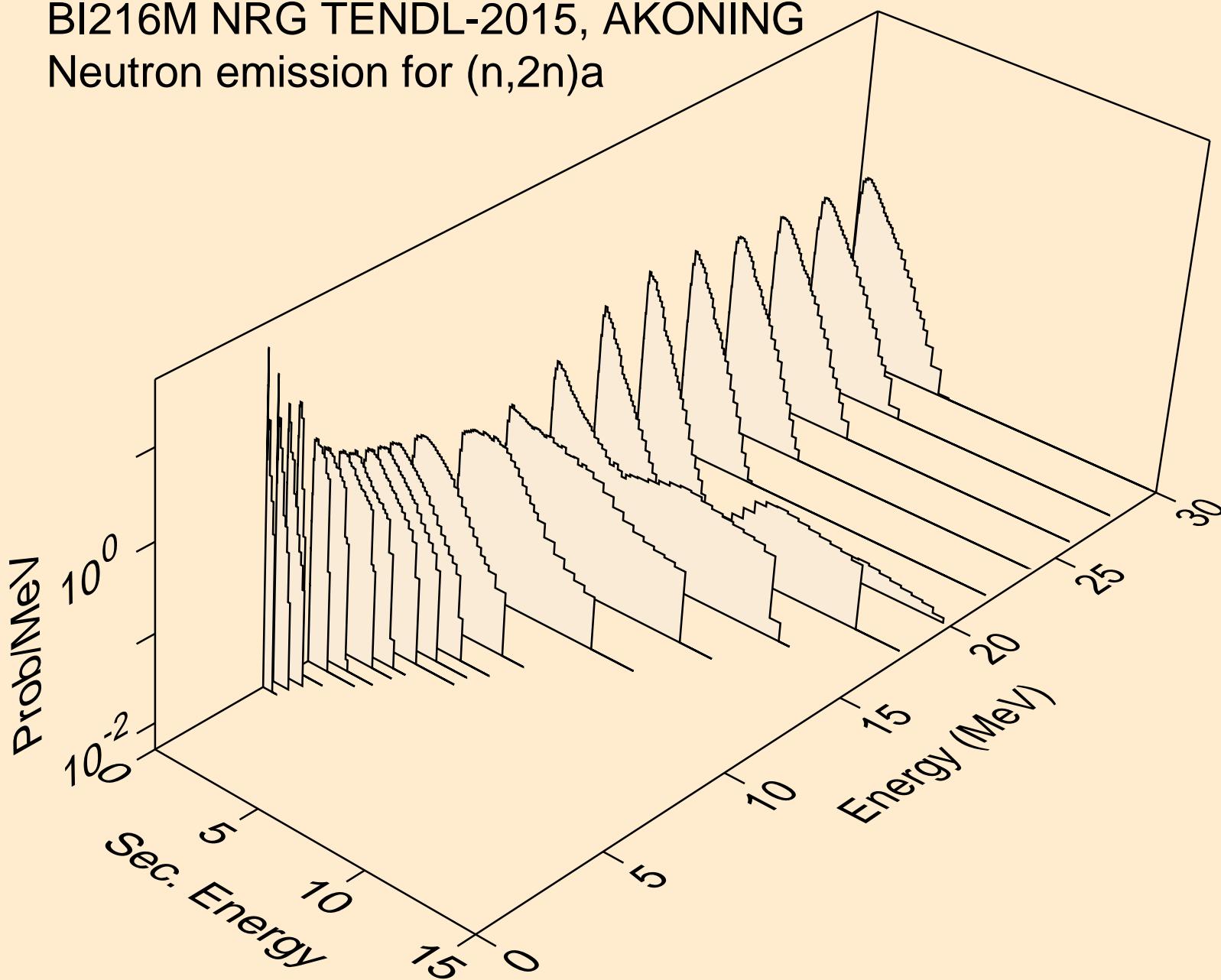
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



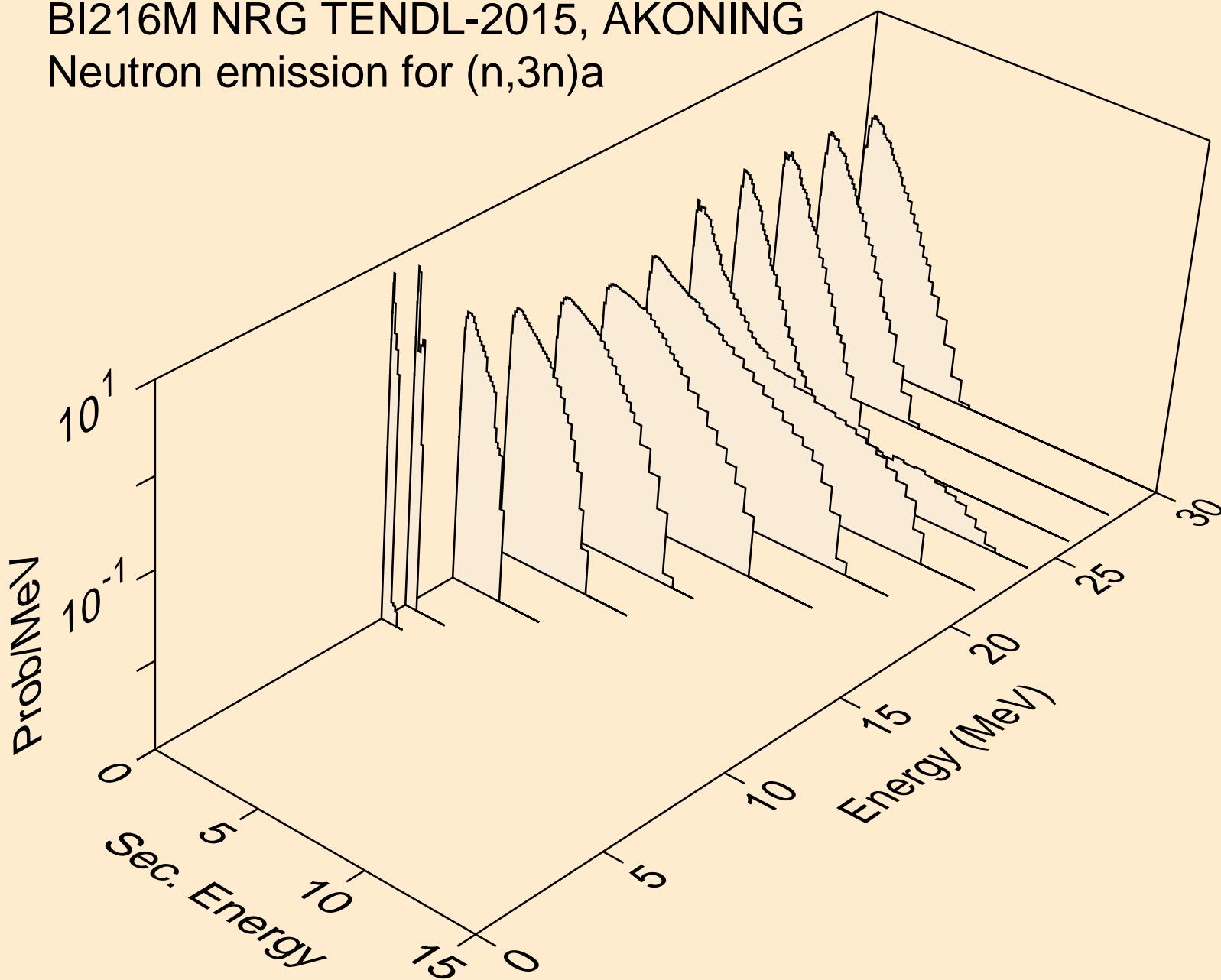
BI216M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



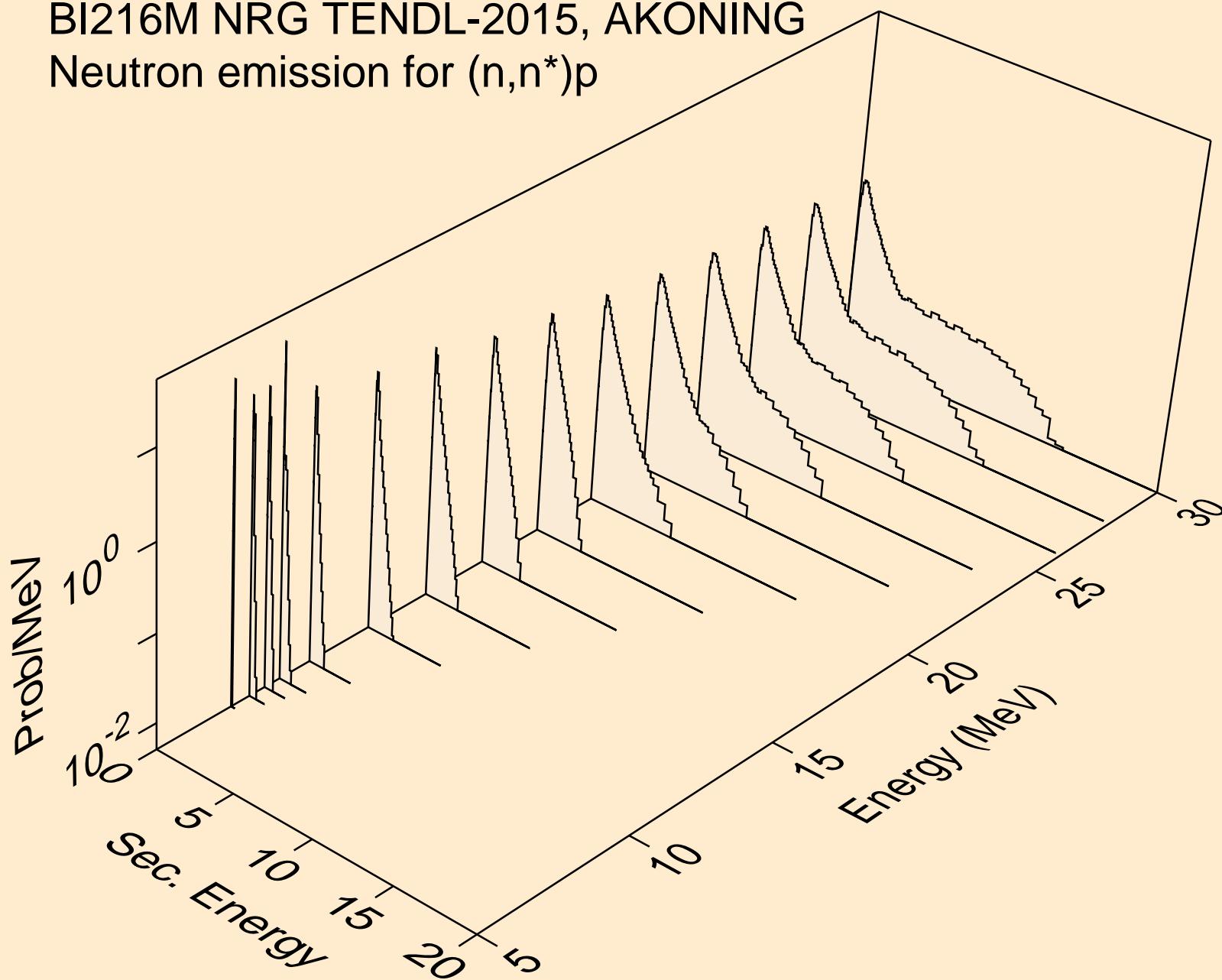
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



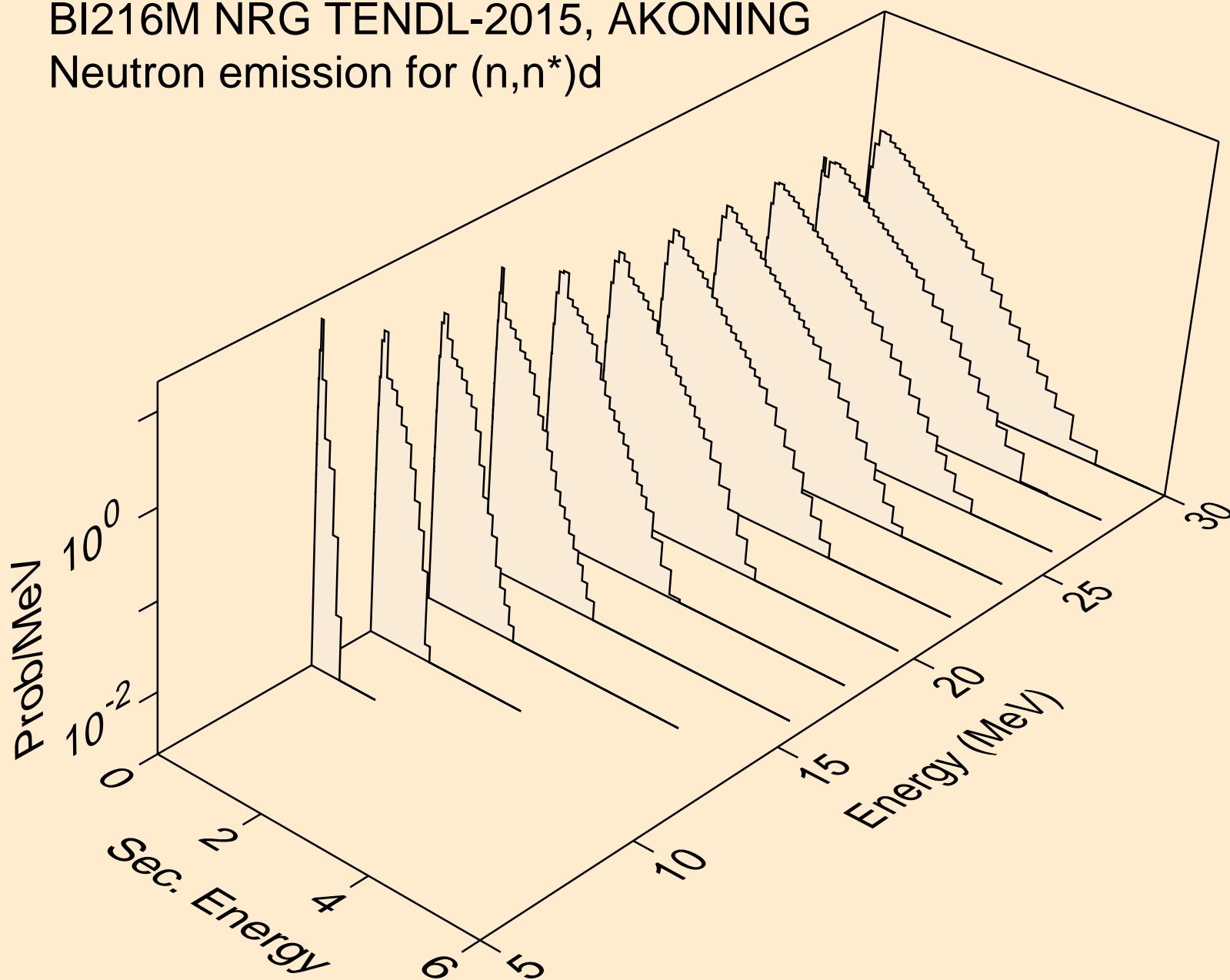
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



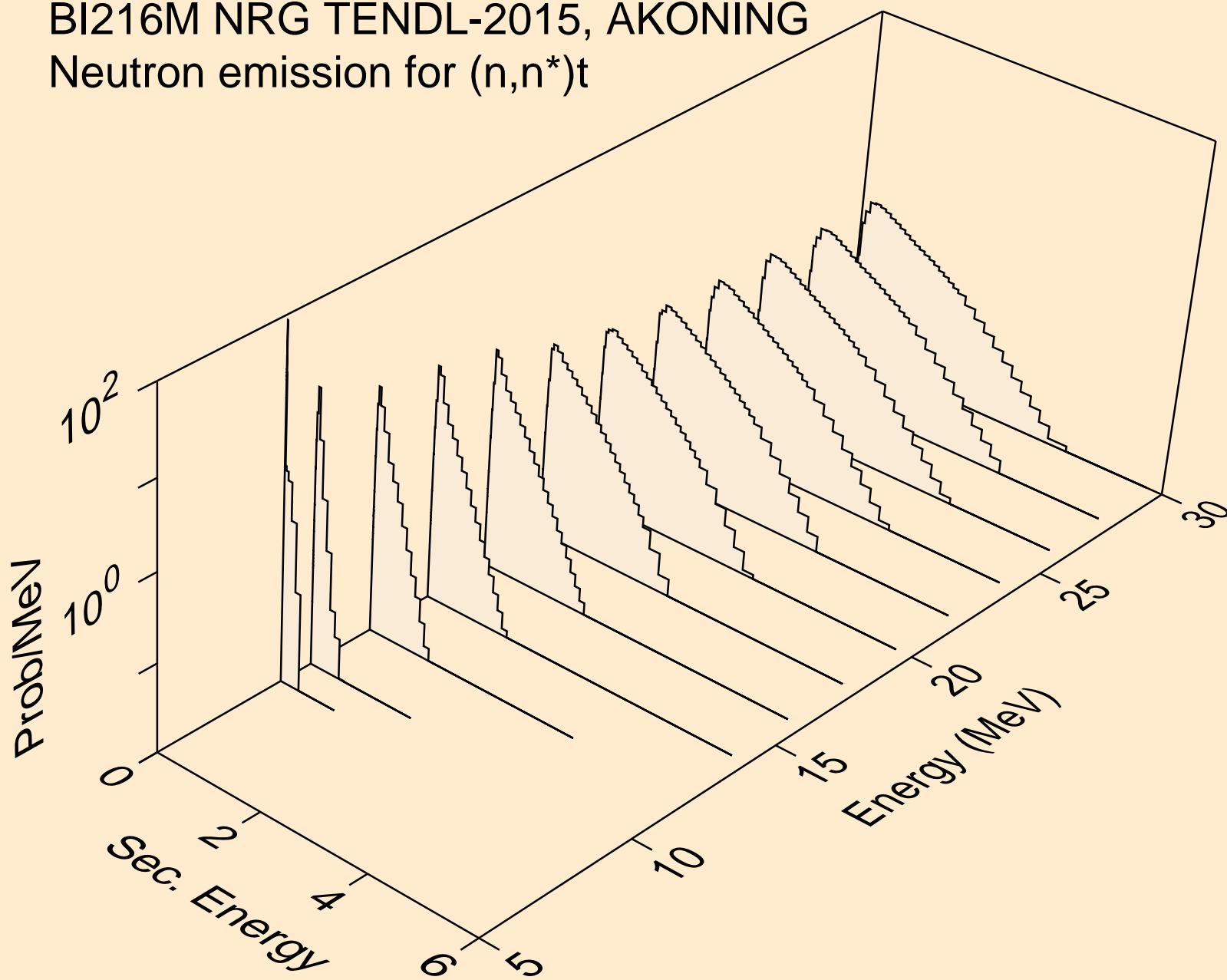
BI216M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



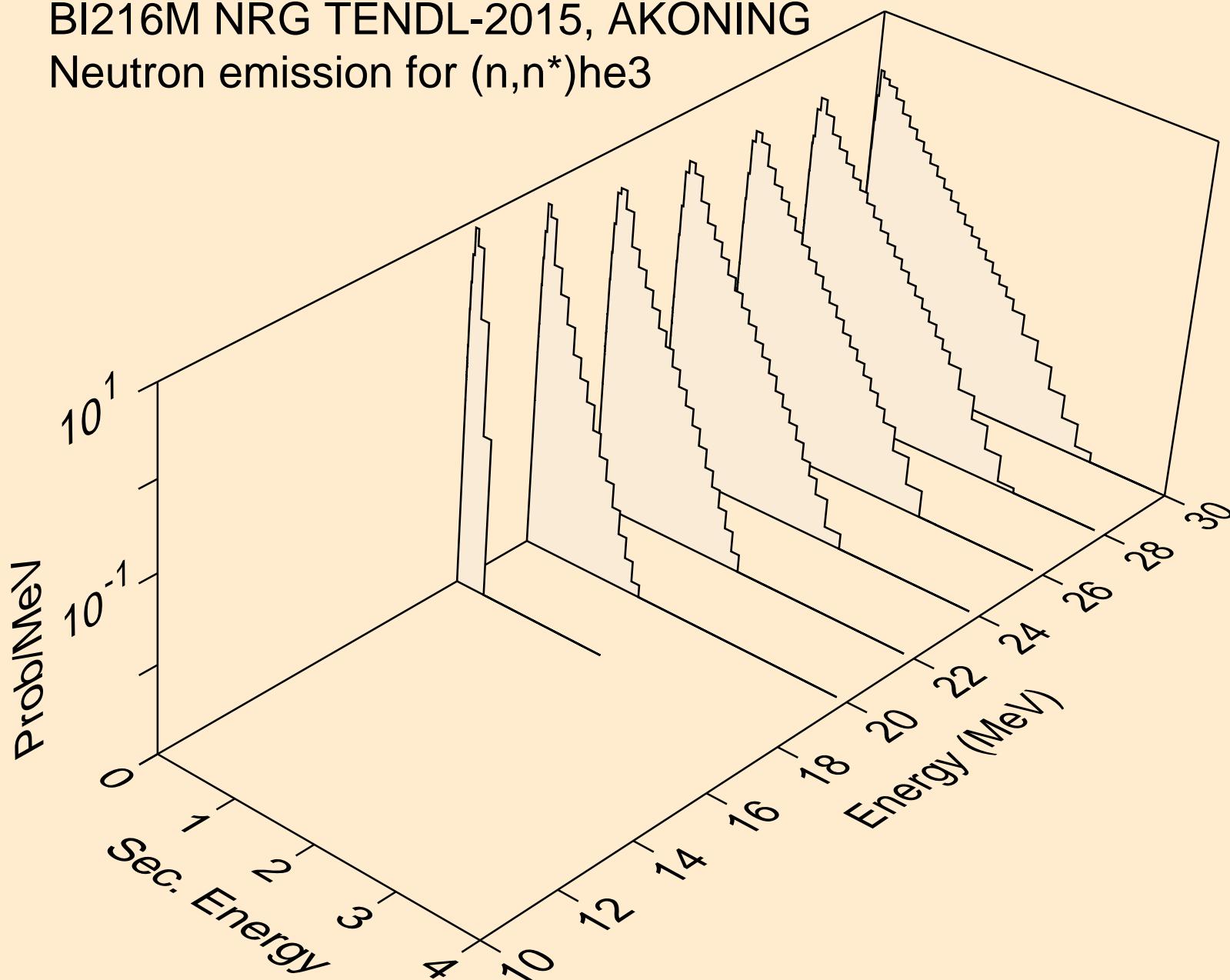
BI216M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



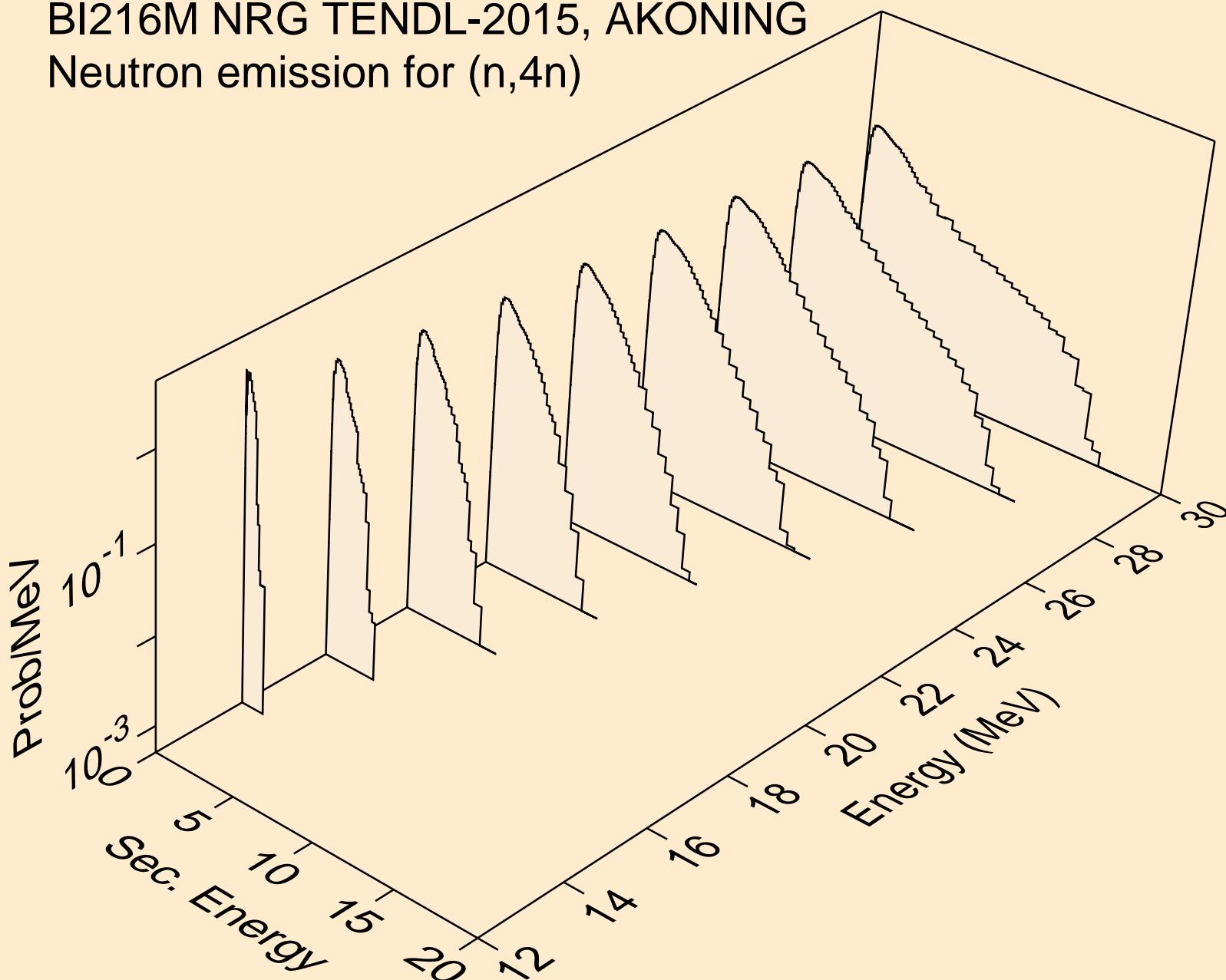
BI216M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



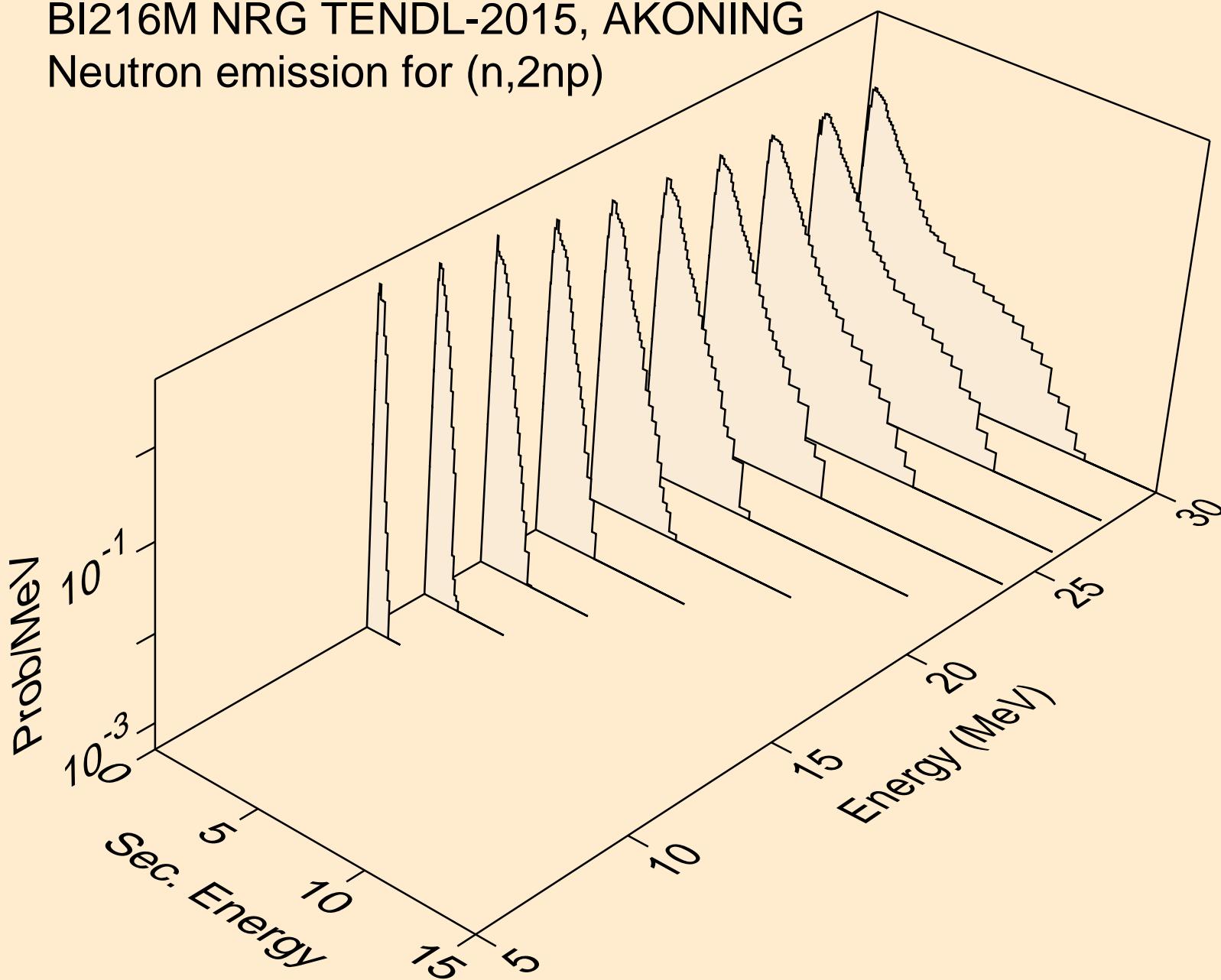
BI216M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



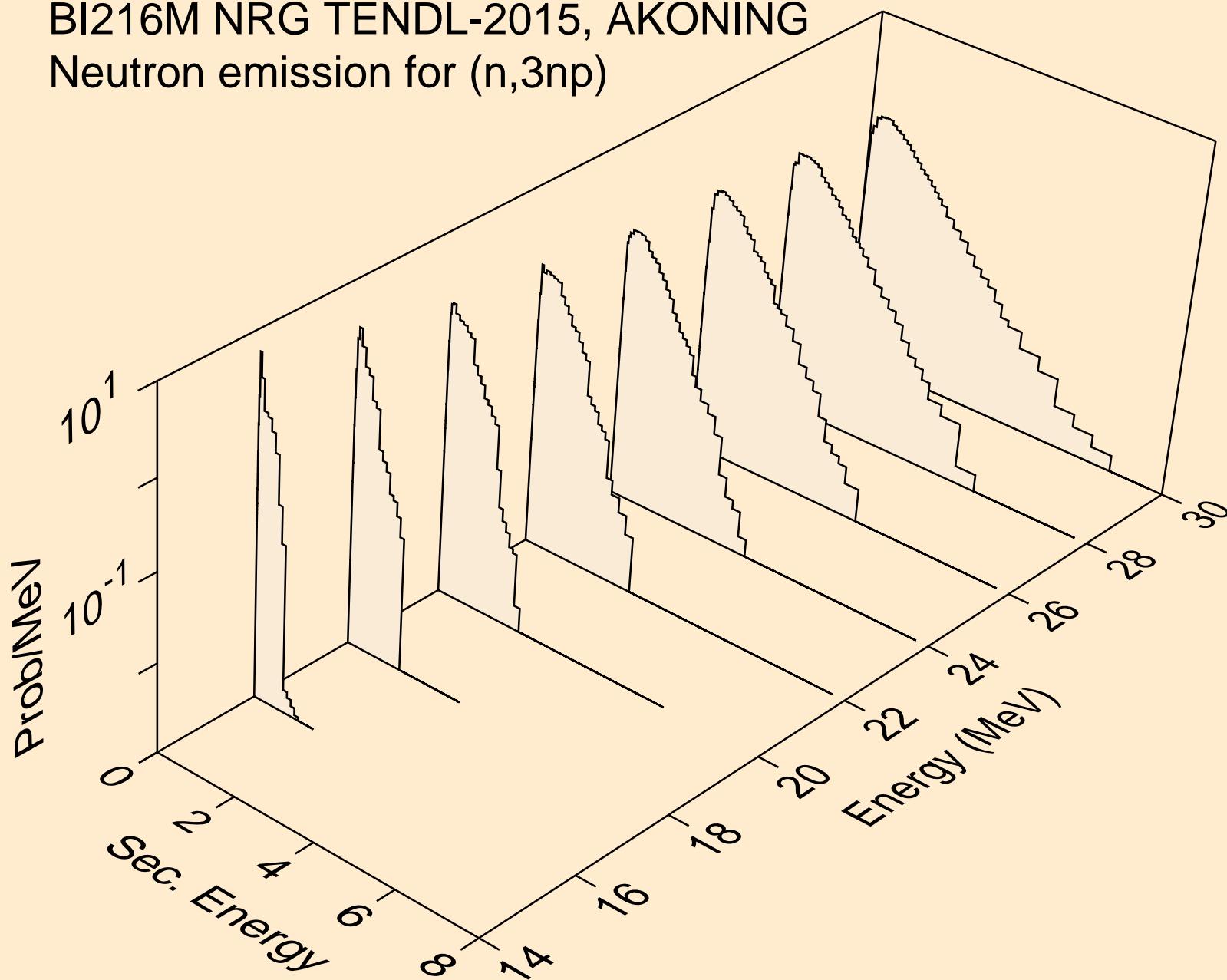
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



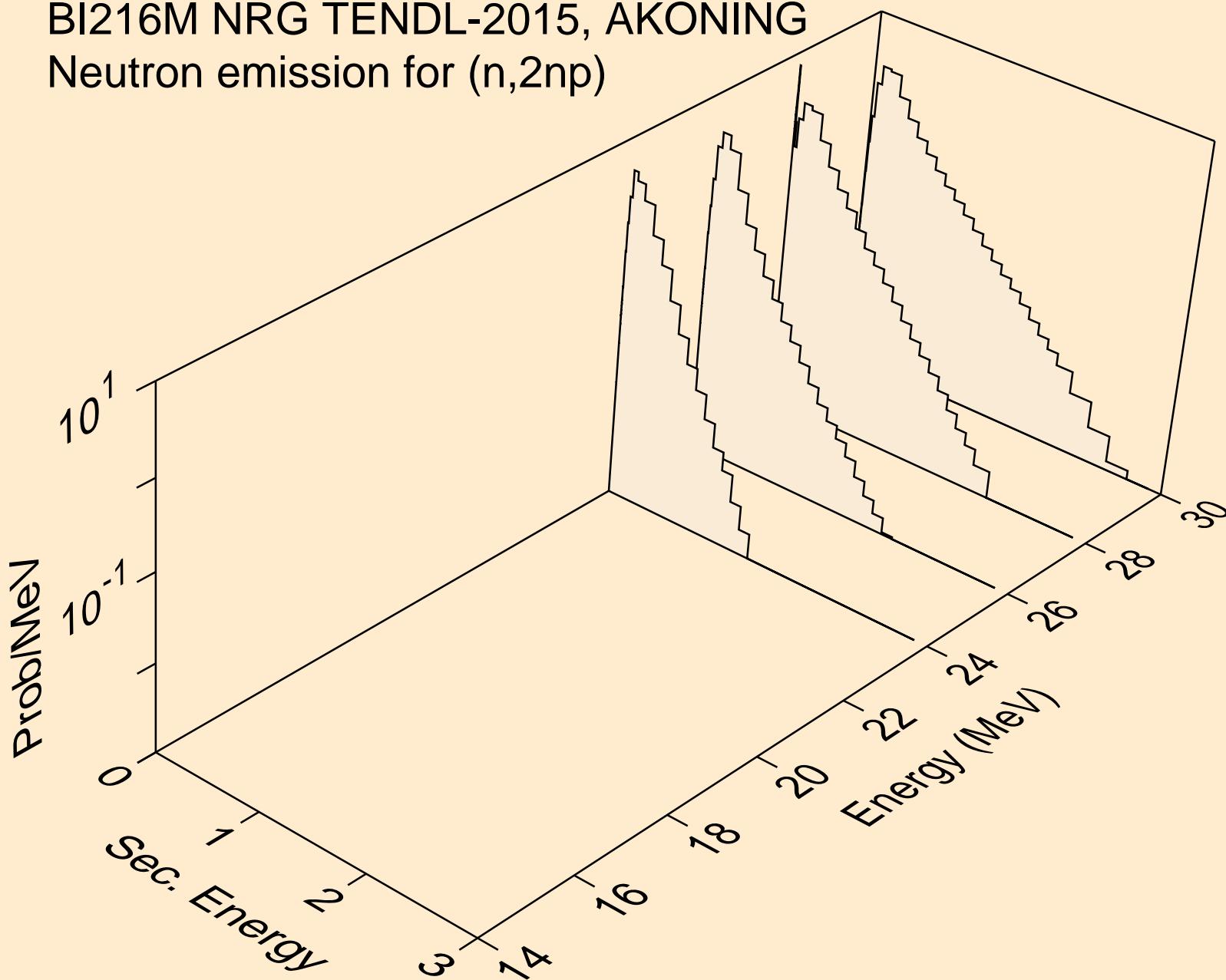
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



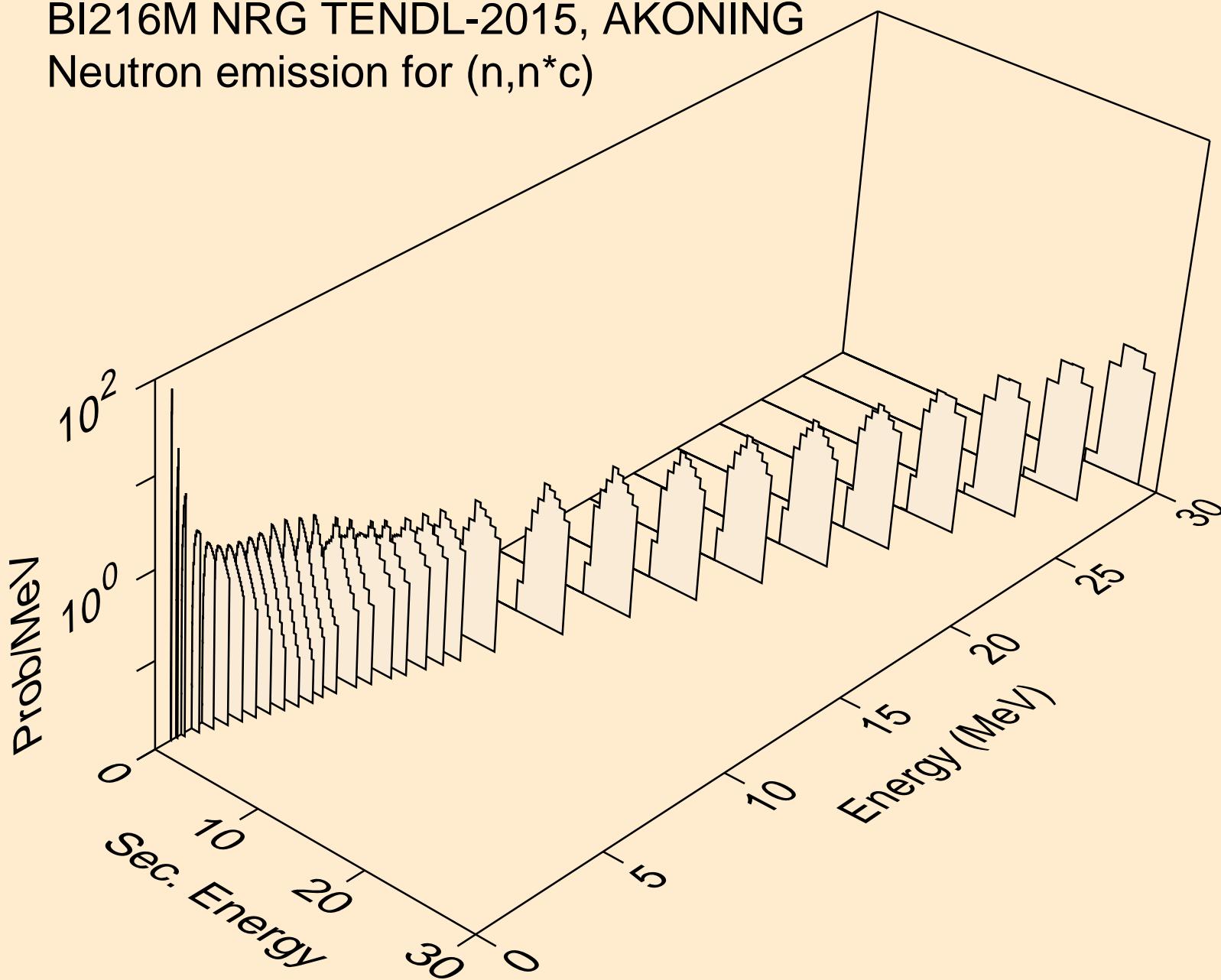
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



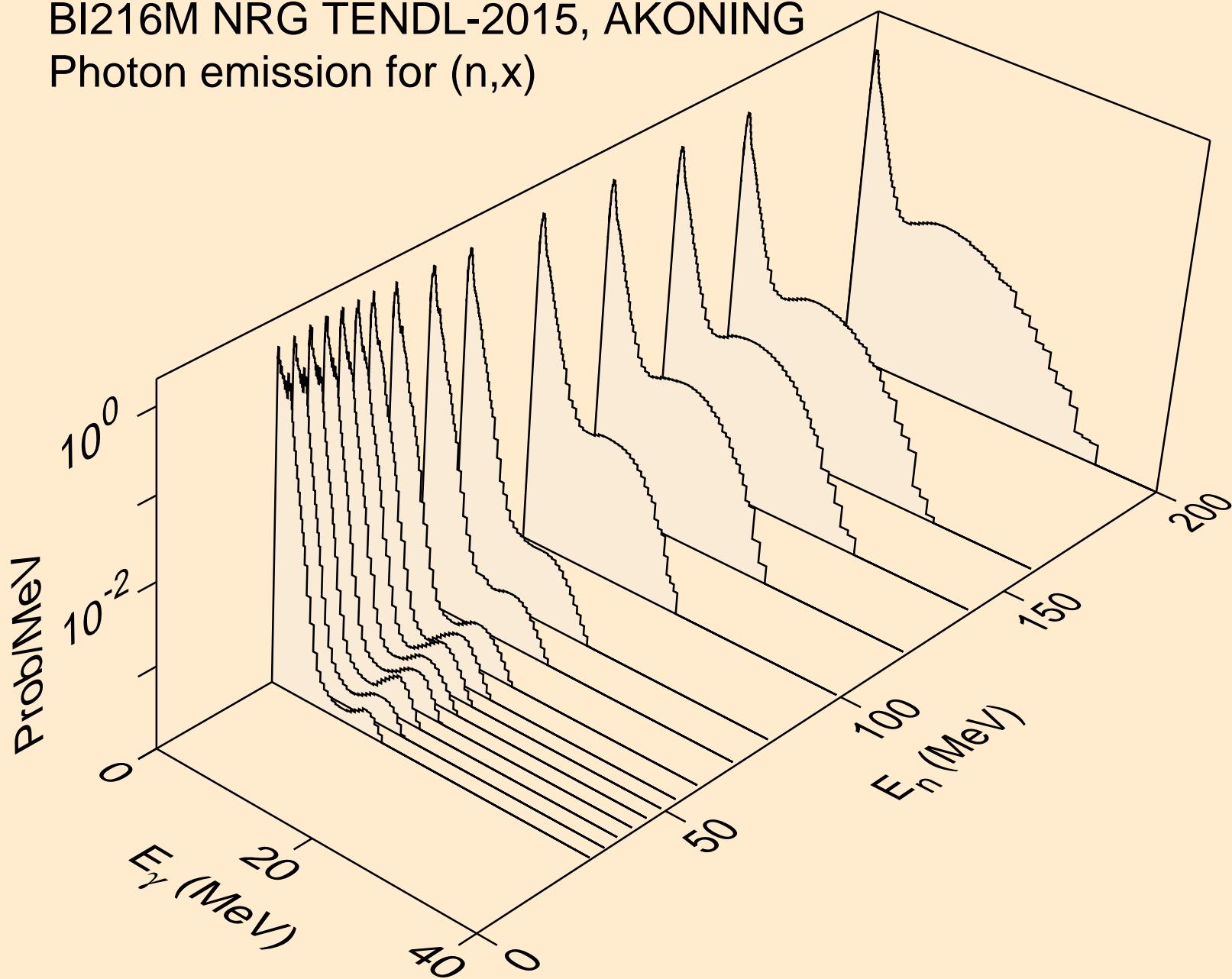
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



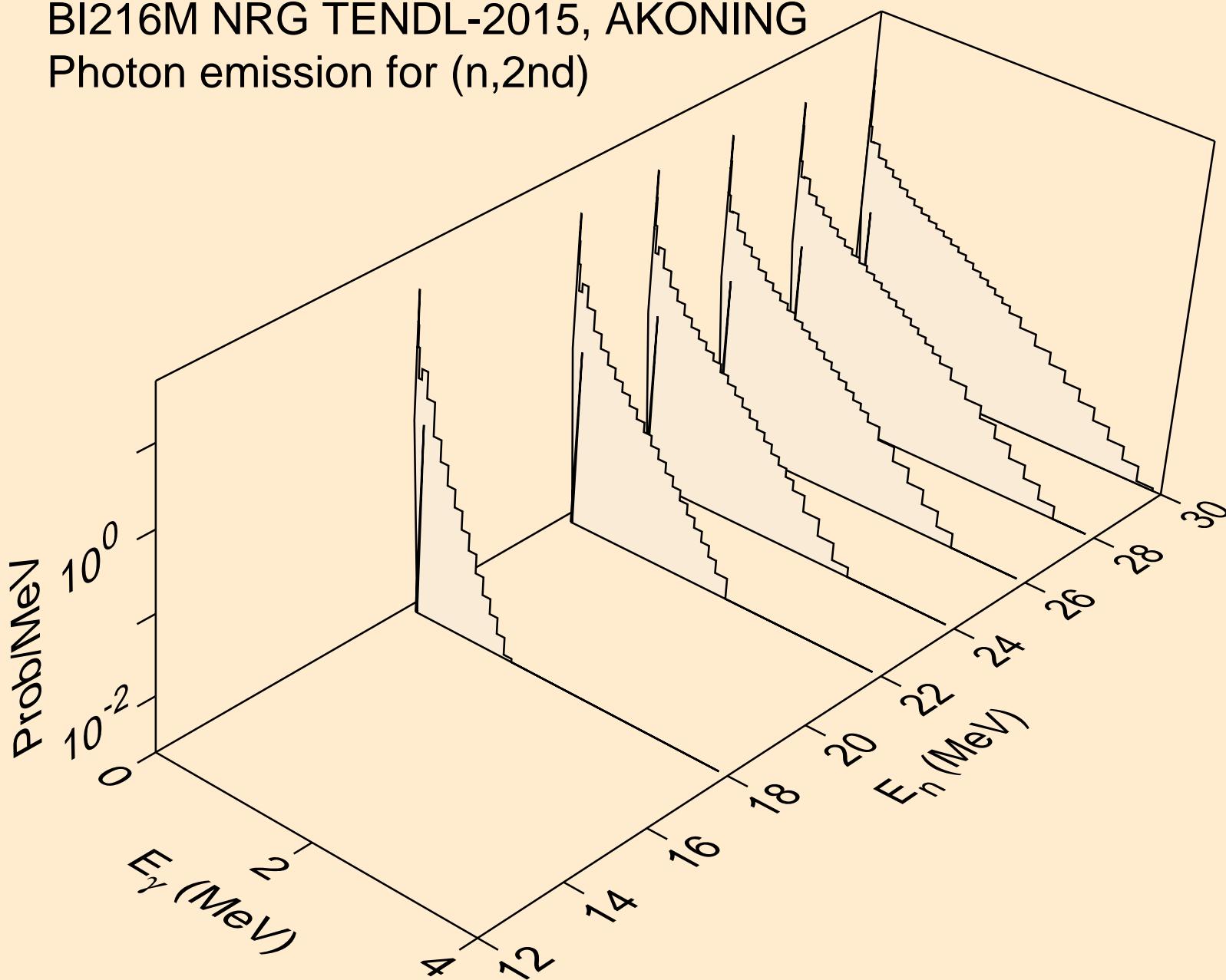
BI216M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



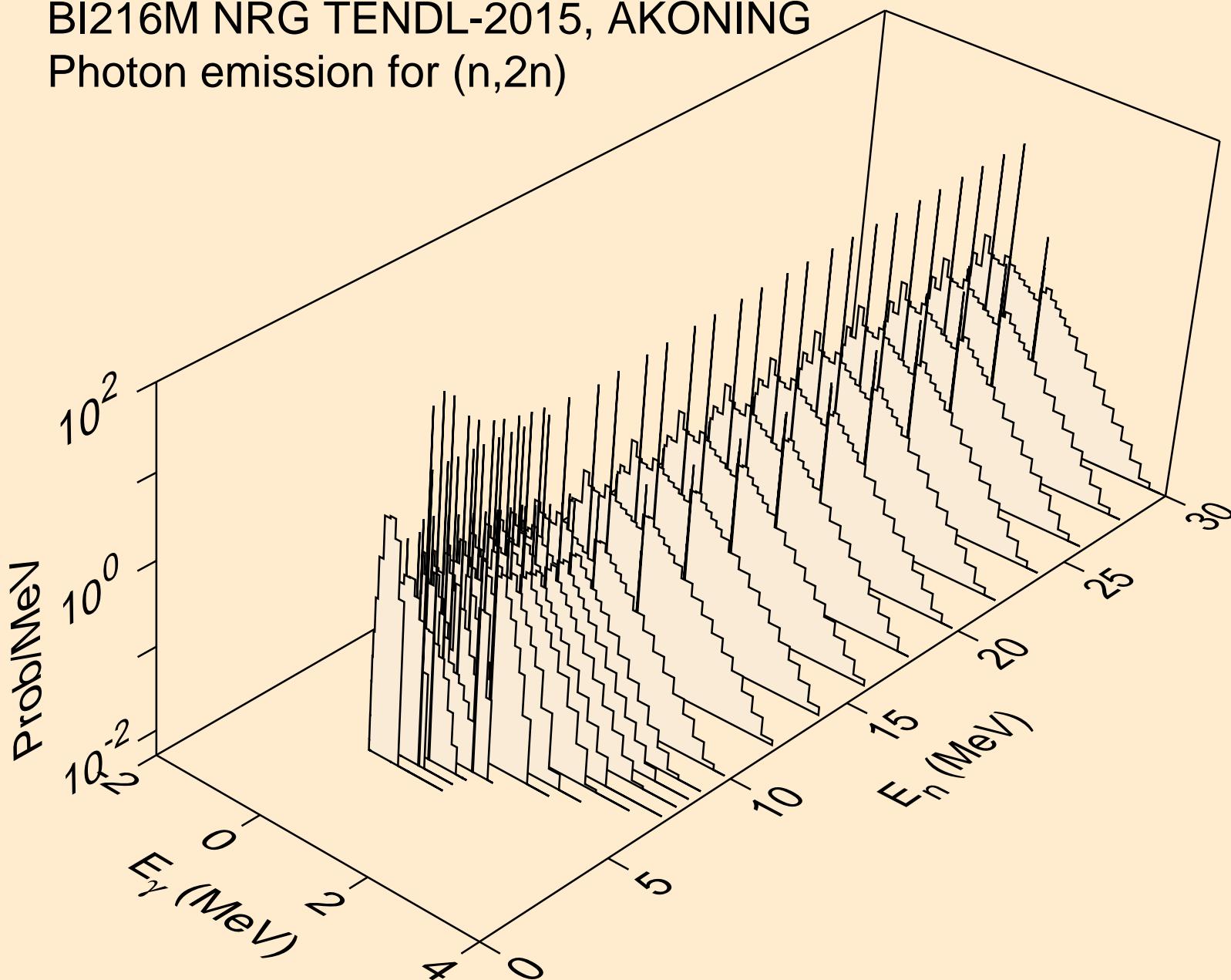
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,x)



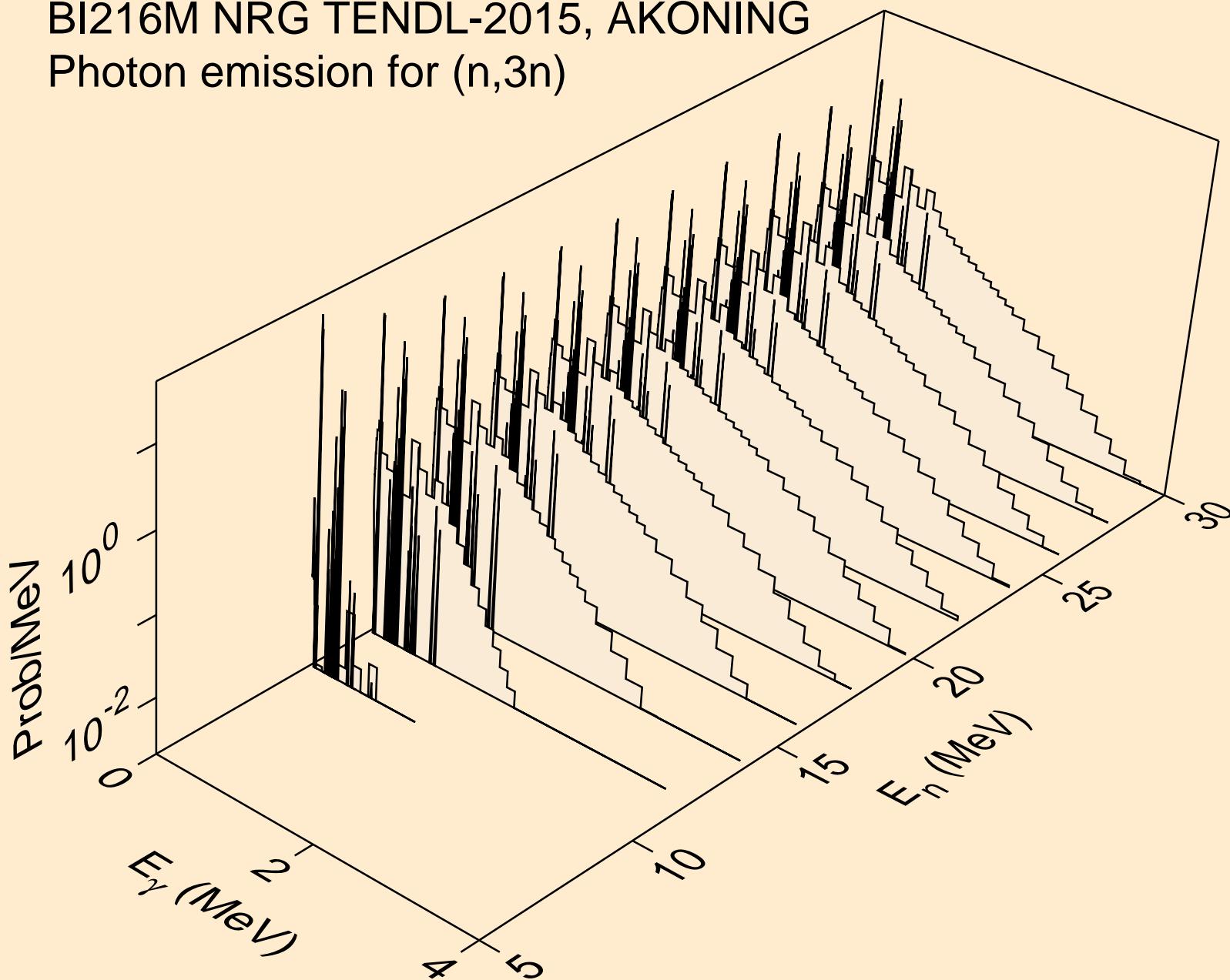
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Photon emission for (n,2nd)



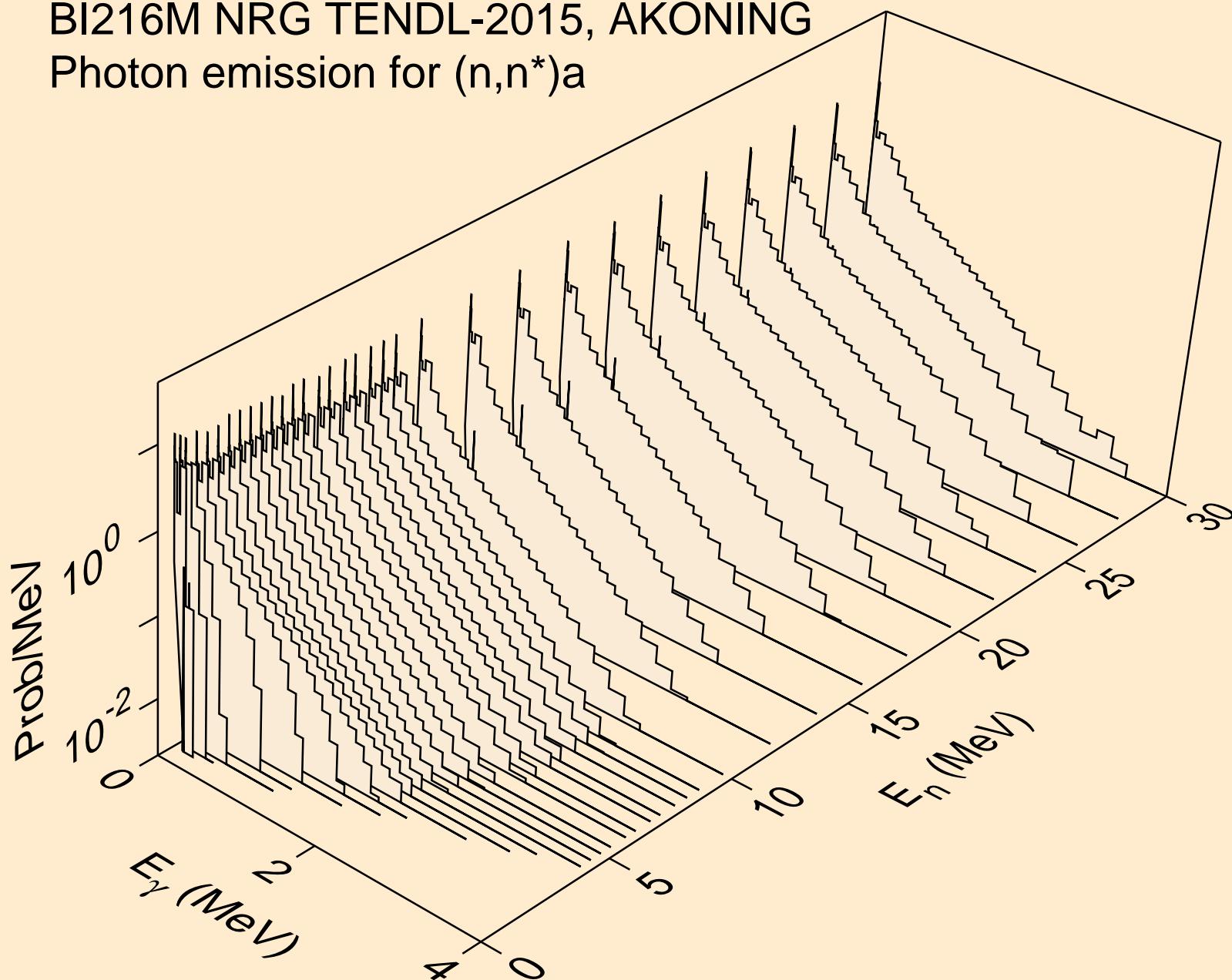
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Photon emission for (n,2n)



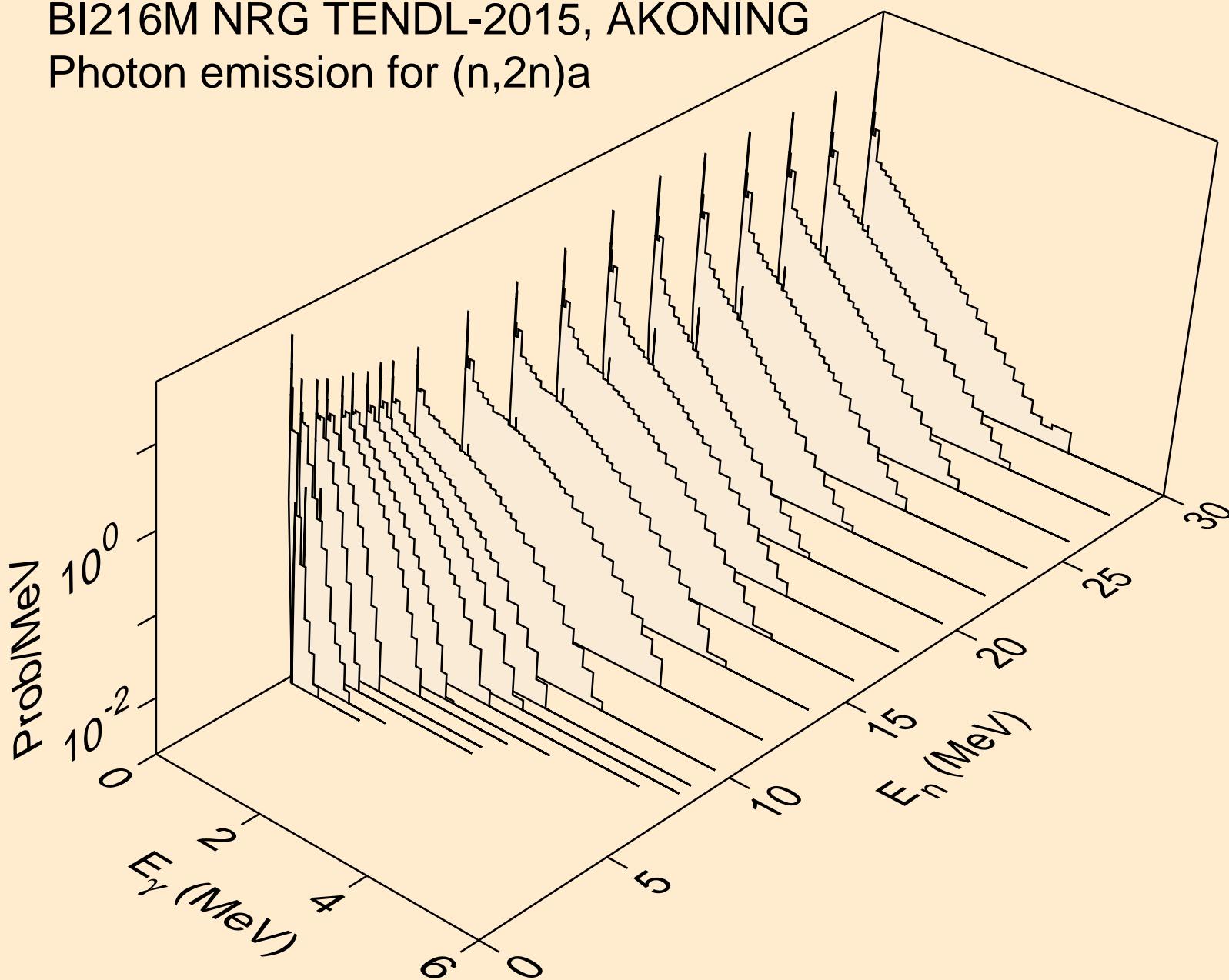
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



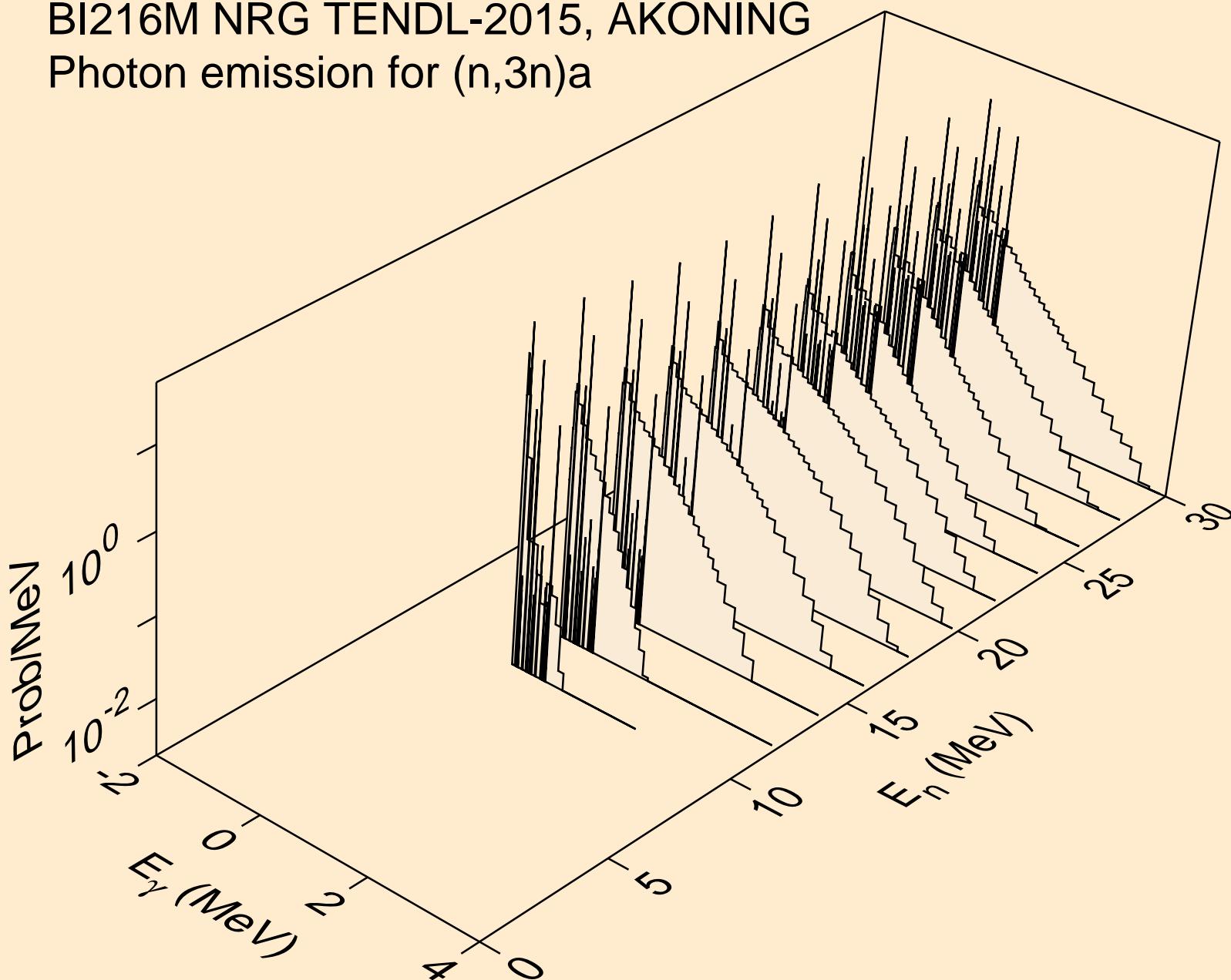
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Photon emission for  $(n,n^*)a$



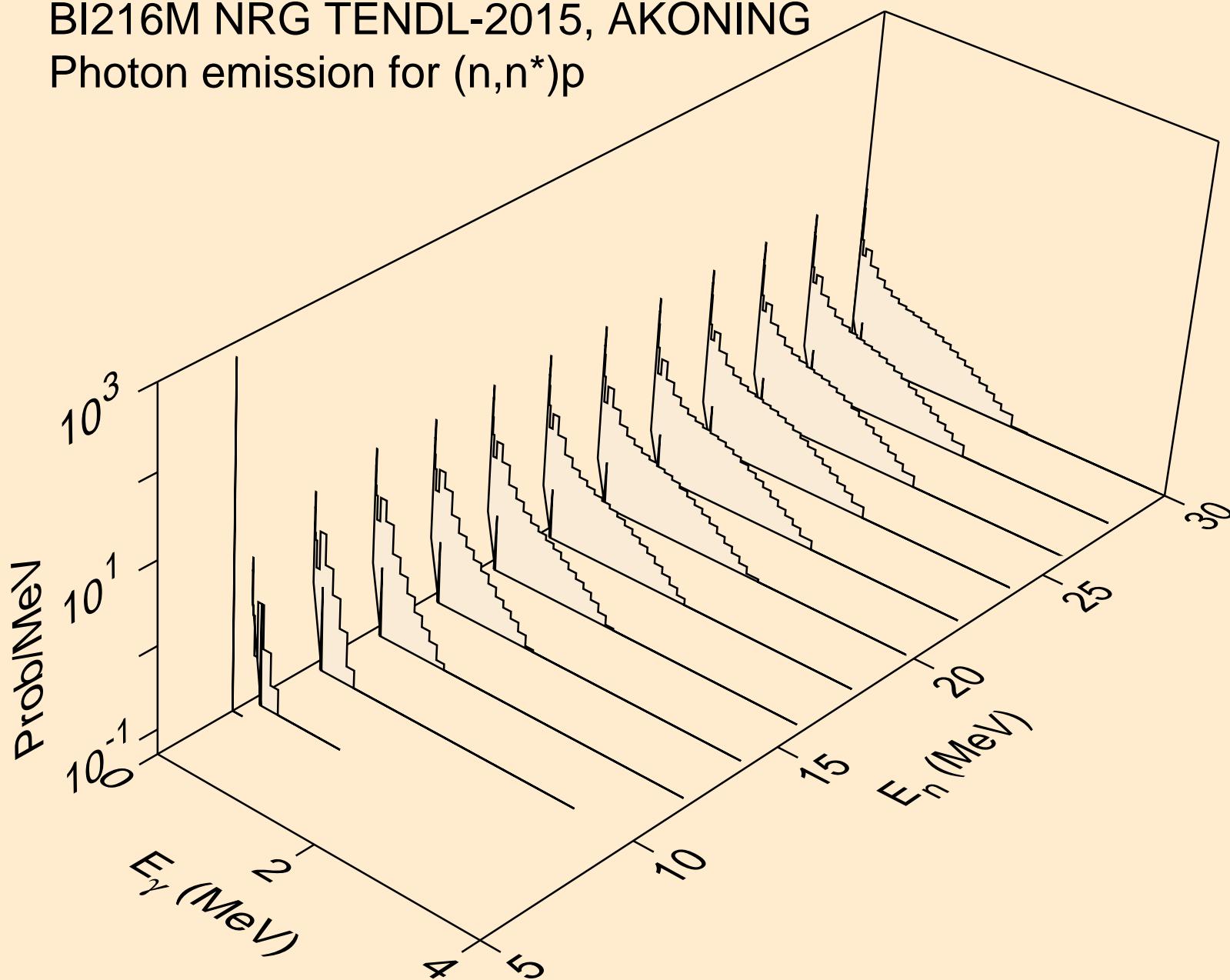
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



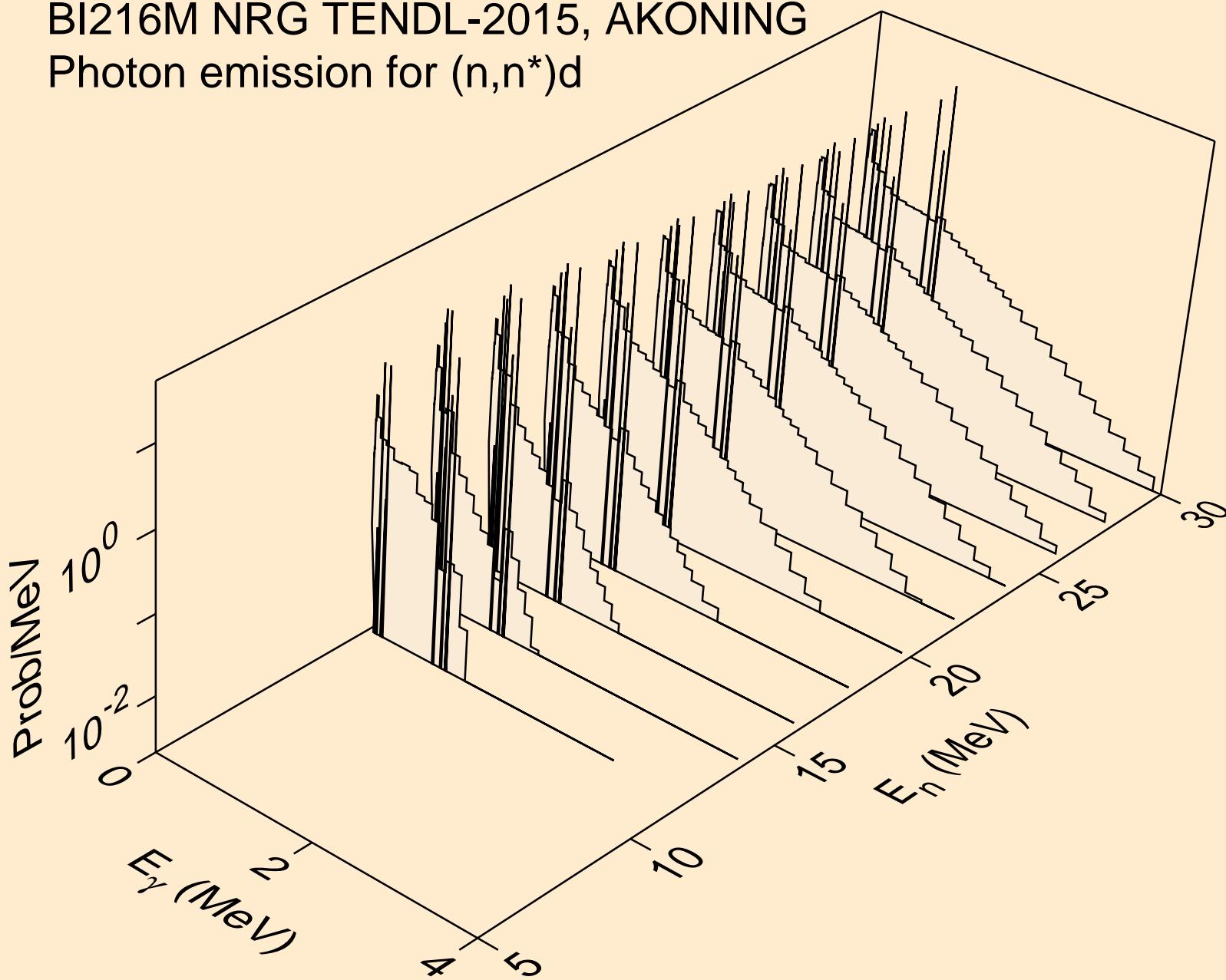
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Photon emission for (n,3n)a



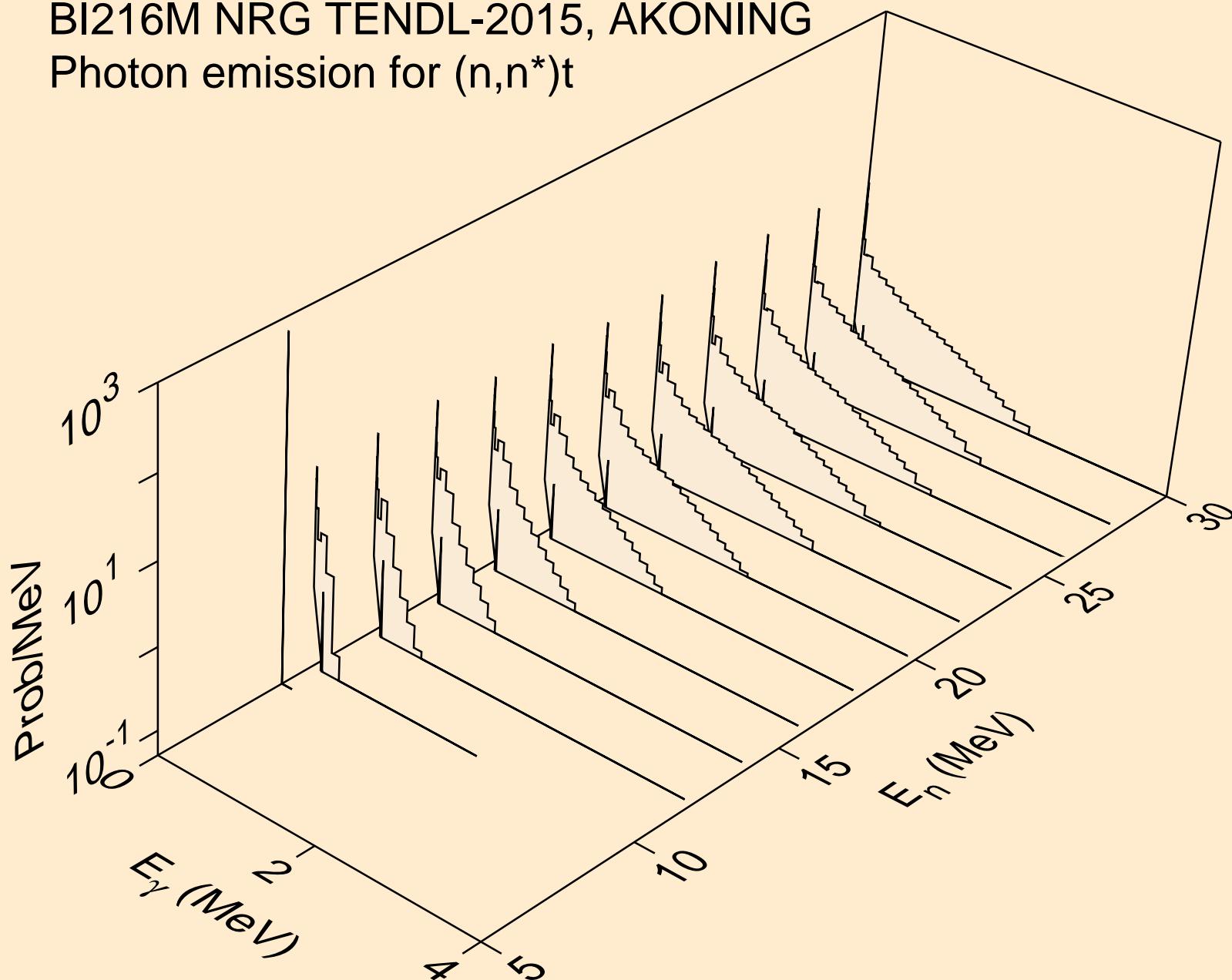
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Photon emission for  $(n,n^*)p$



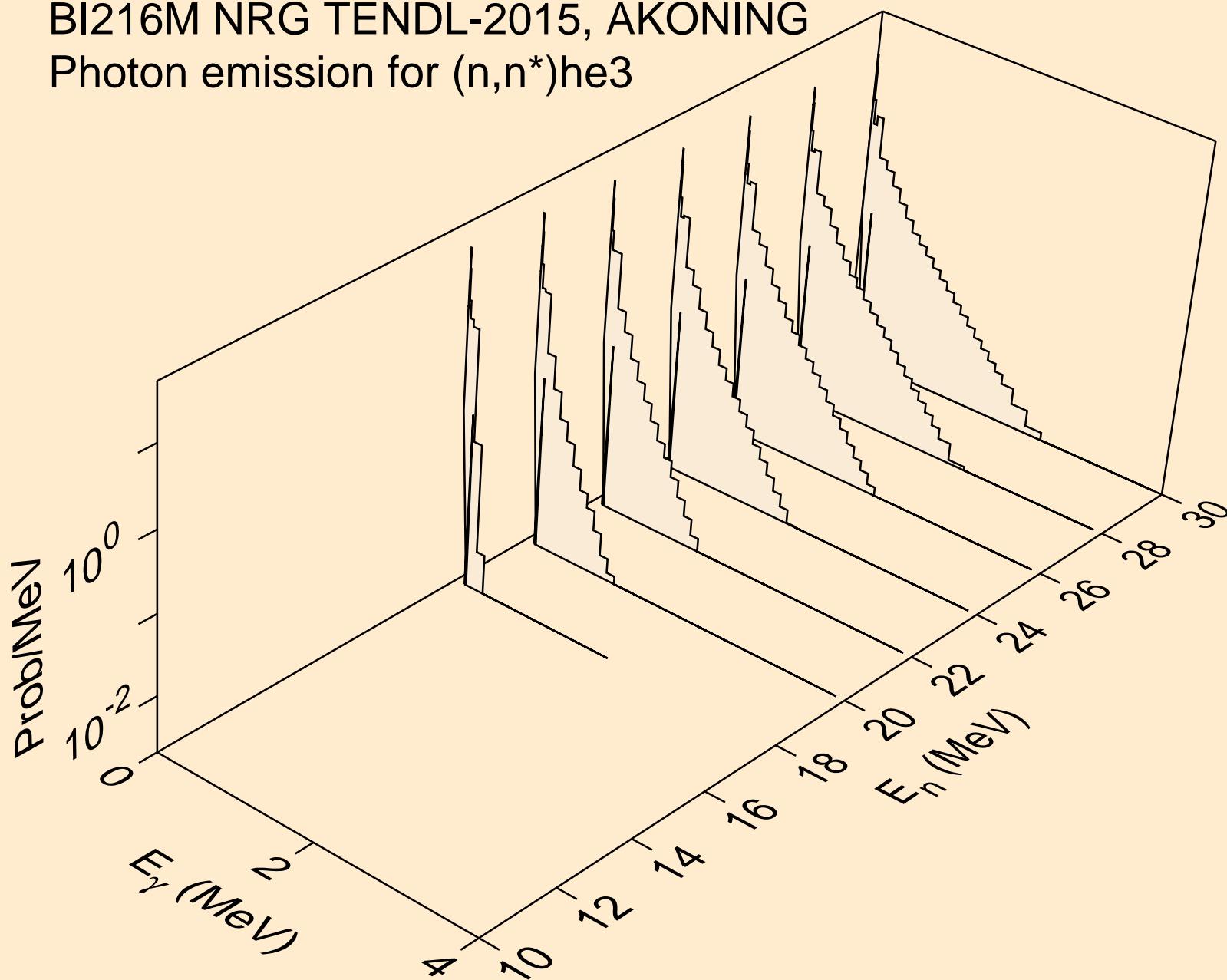
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Photon emission for  $(n,n^*)d$



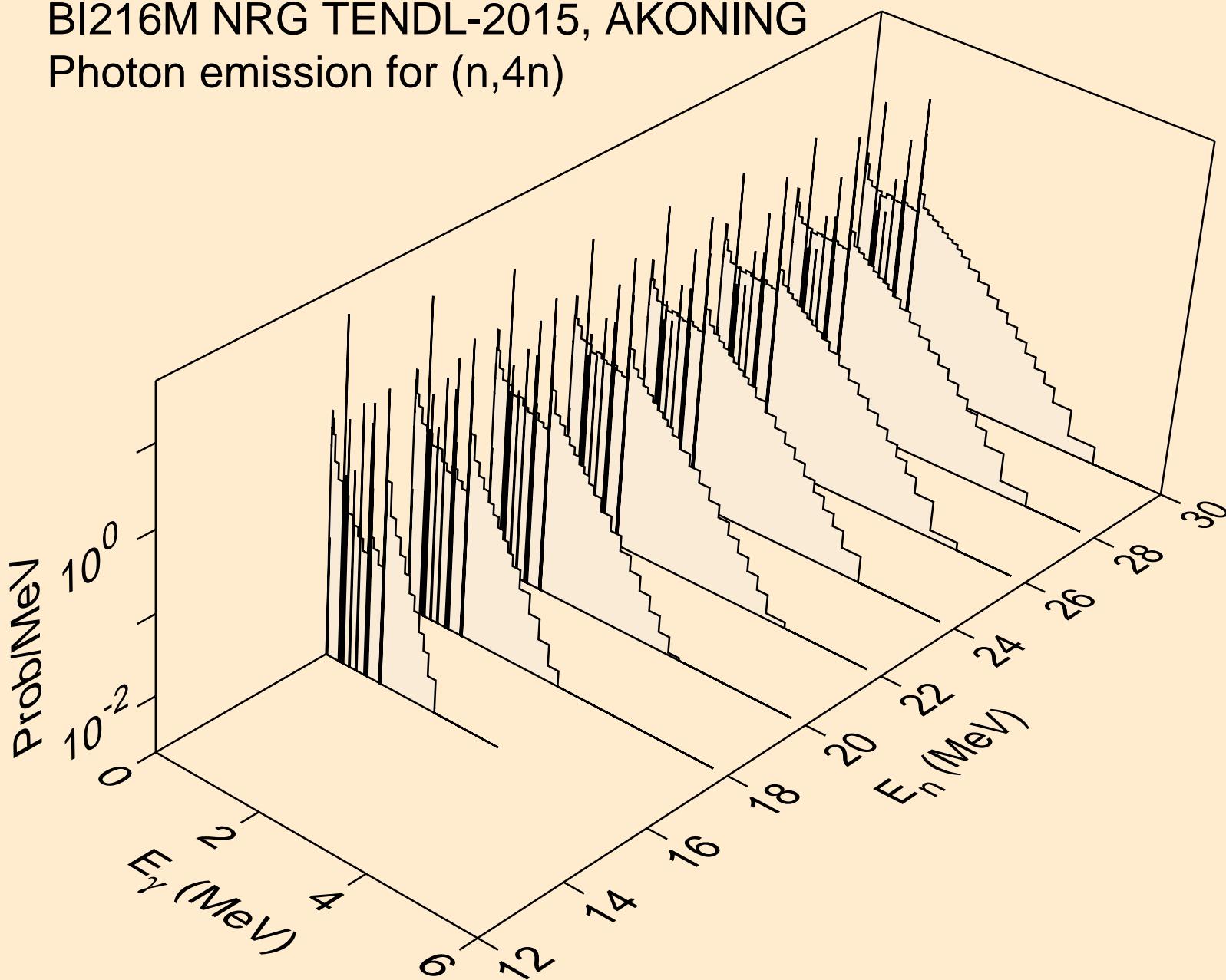
BI216M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



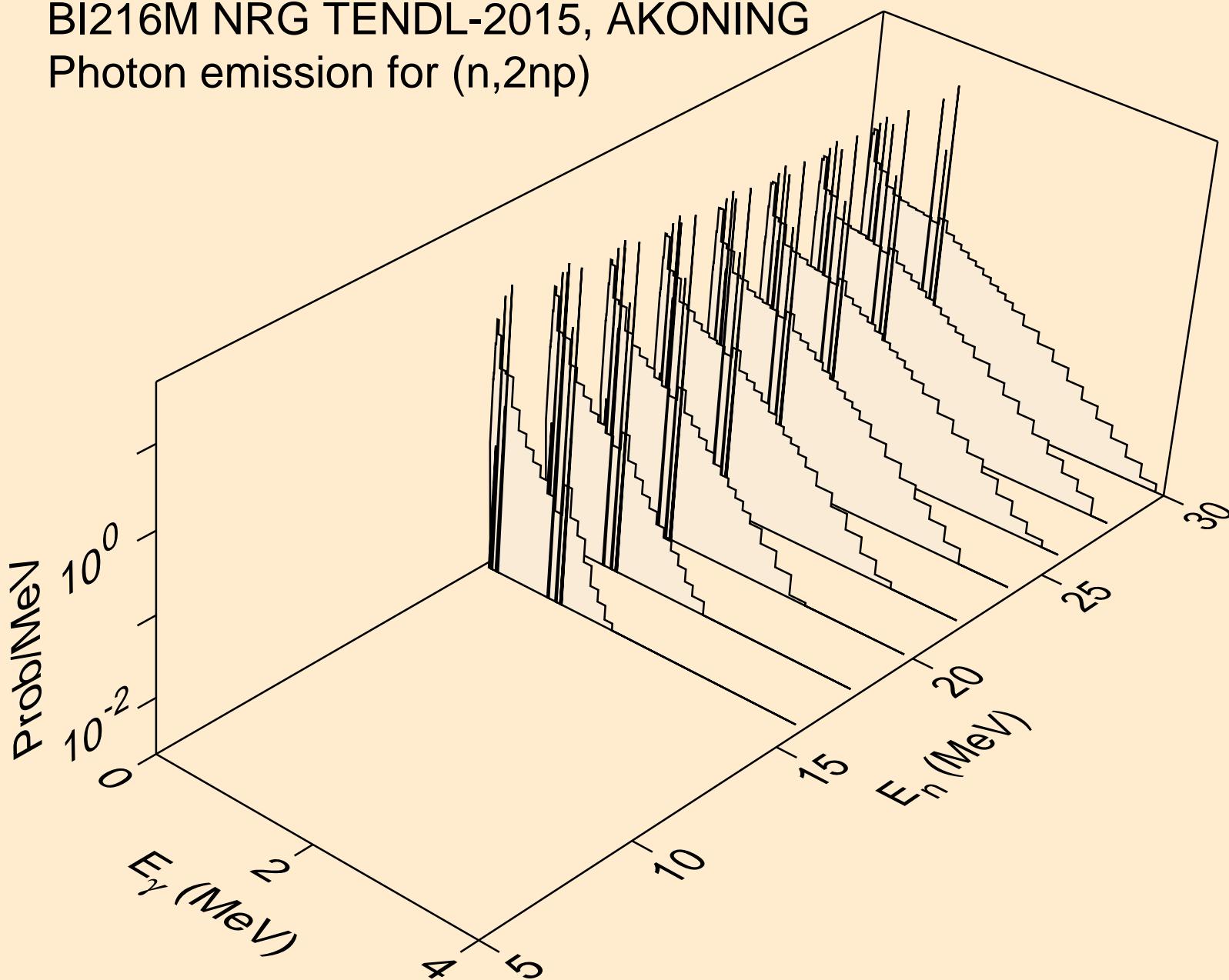
BI216M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



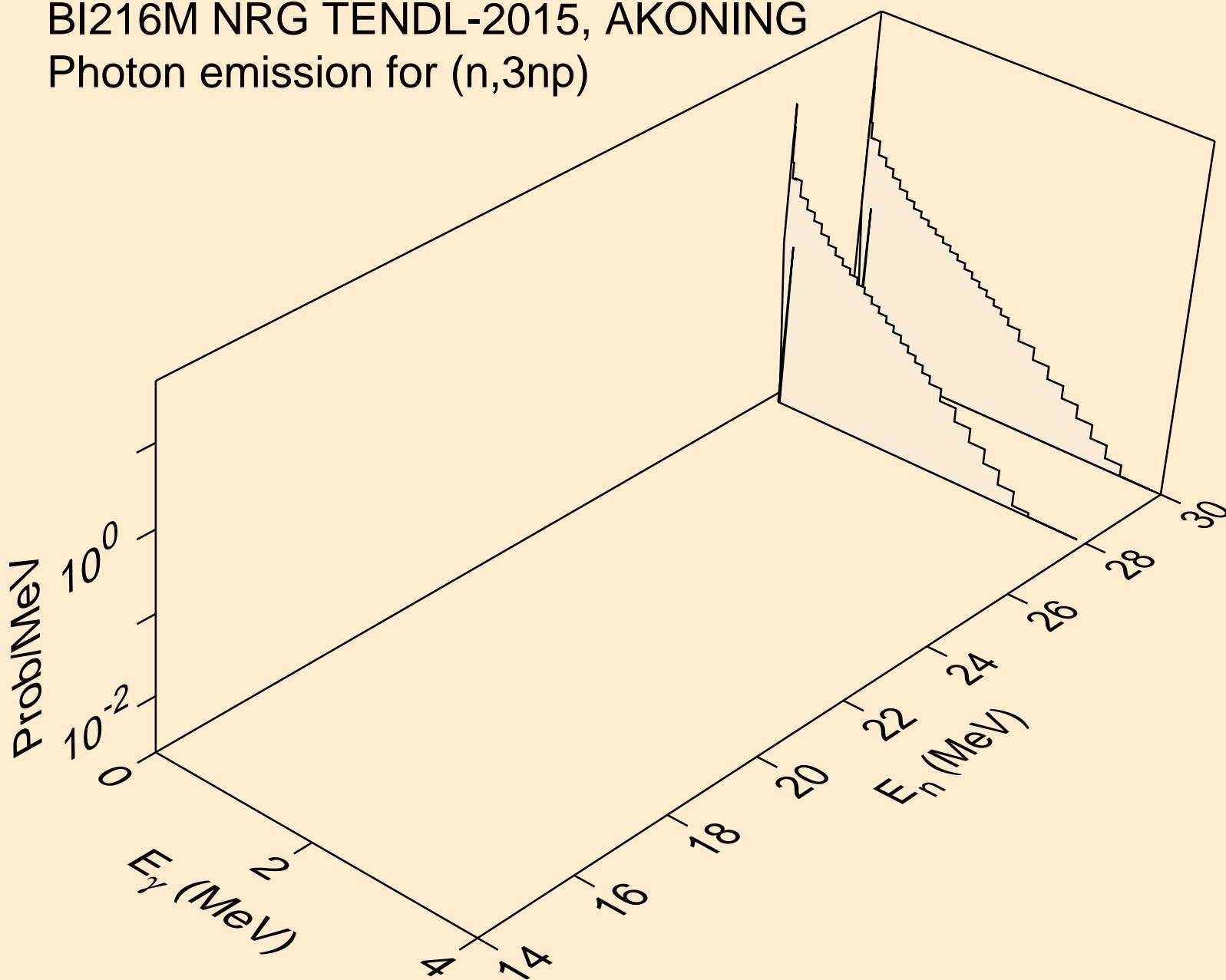
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Photon emission for (n,4n)



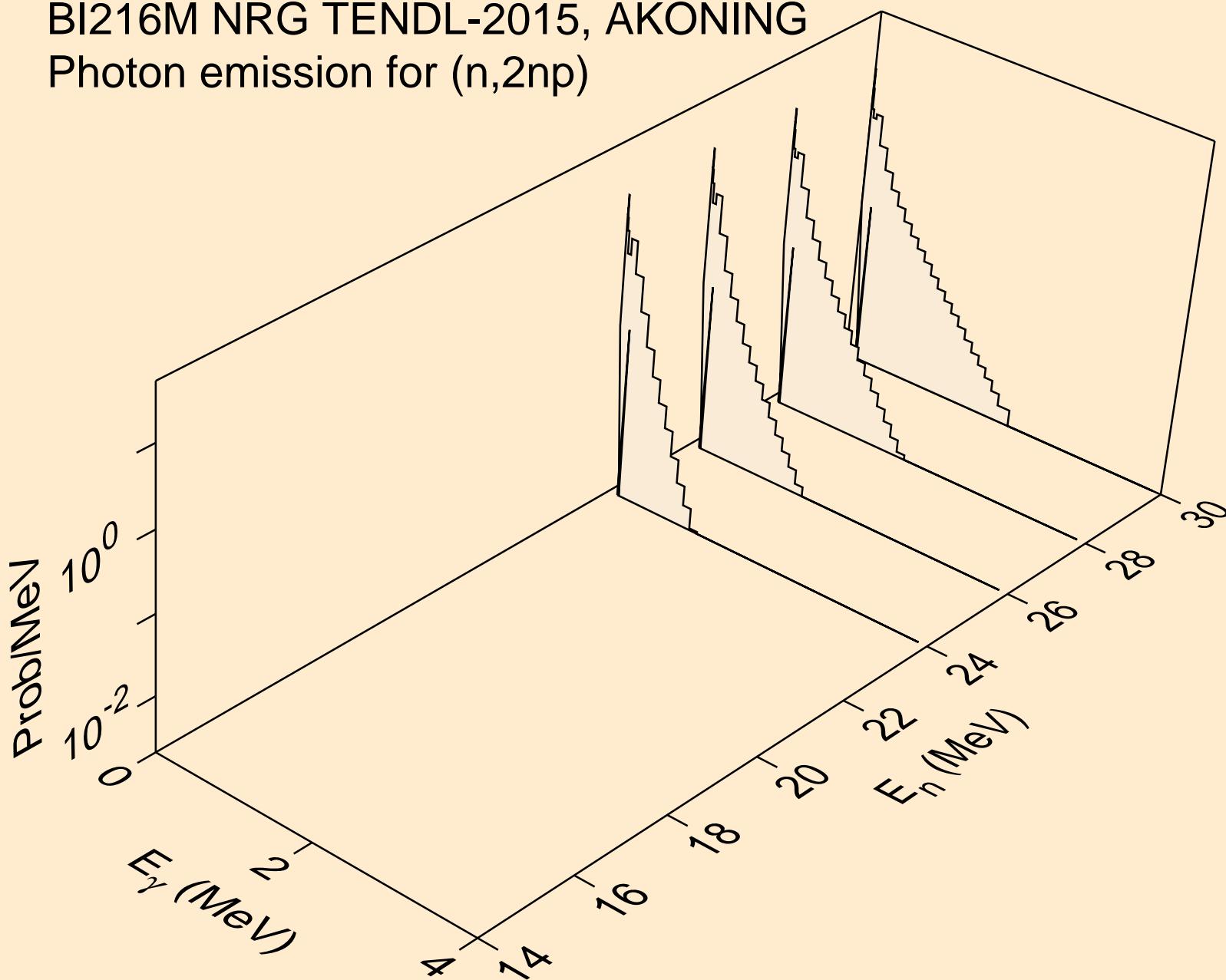
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



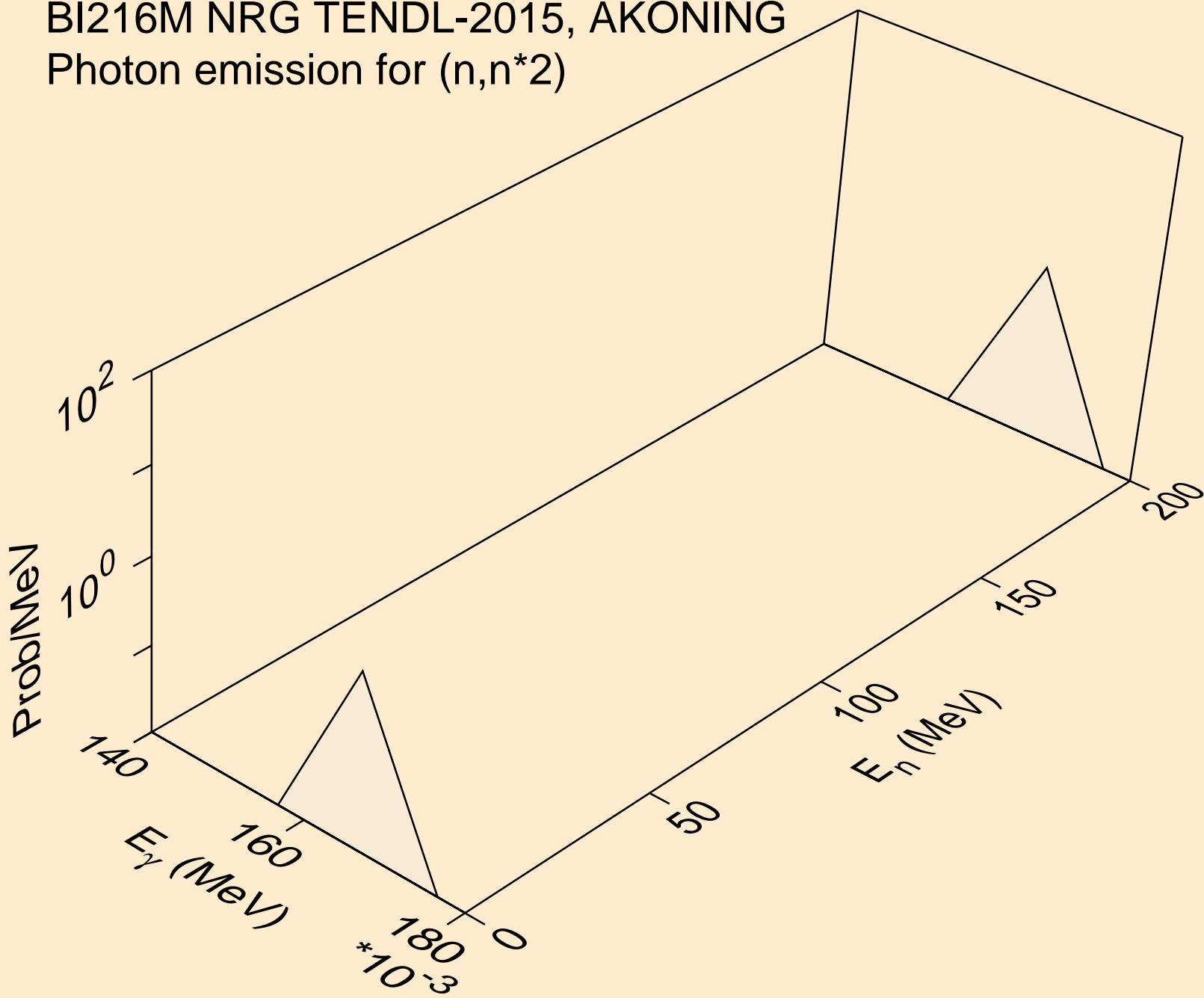
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



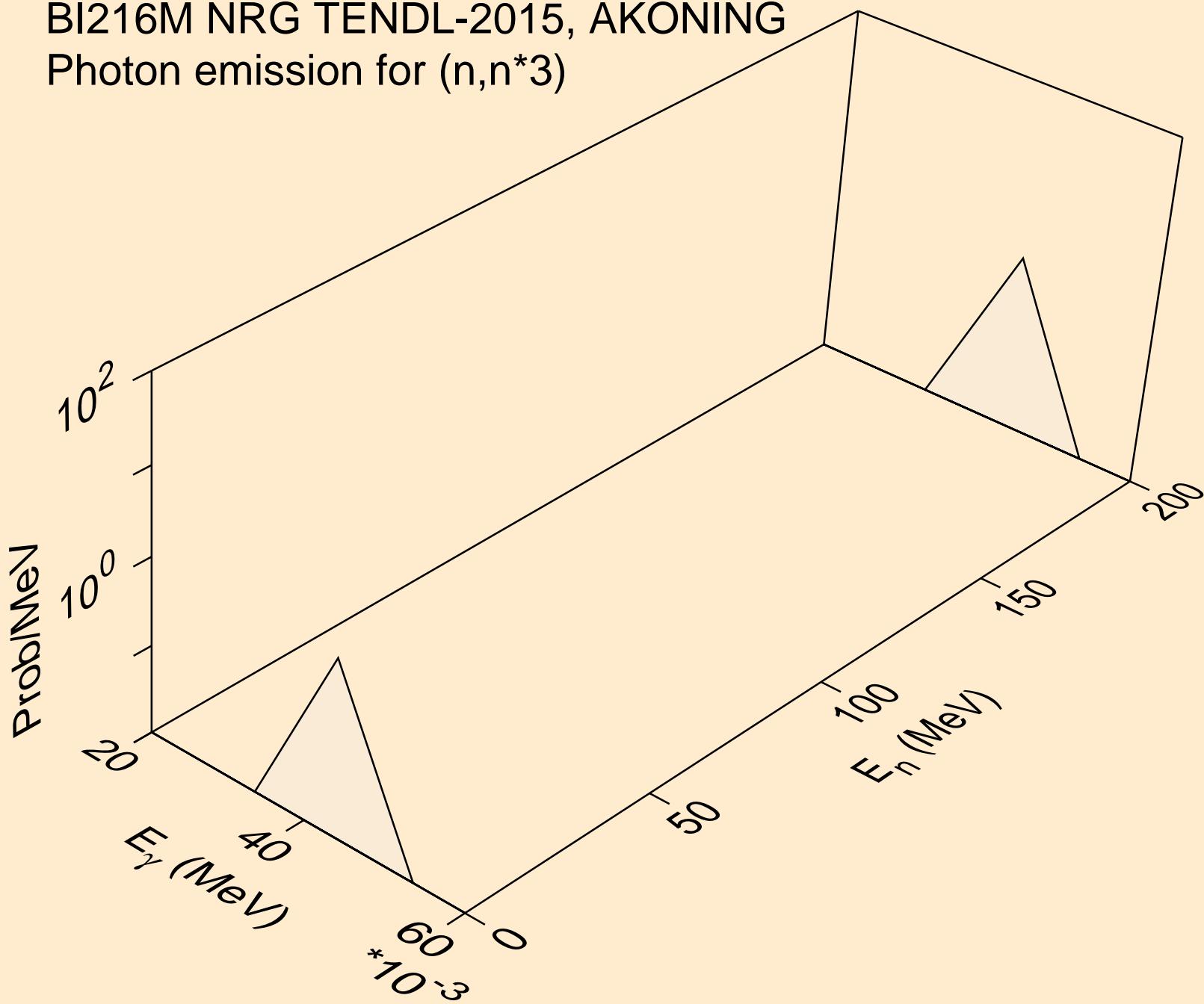
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



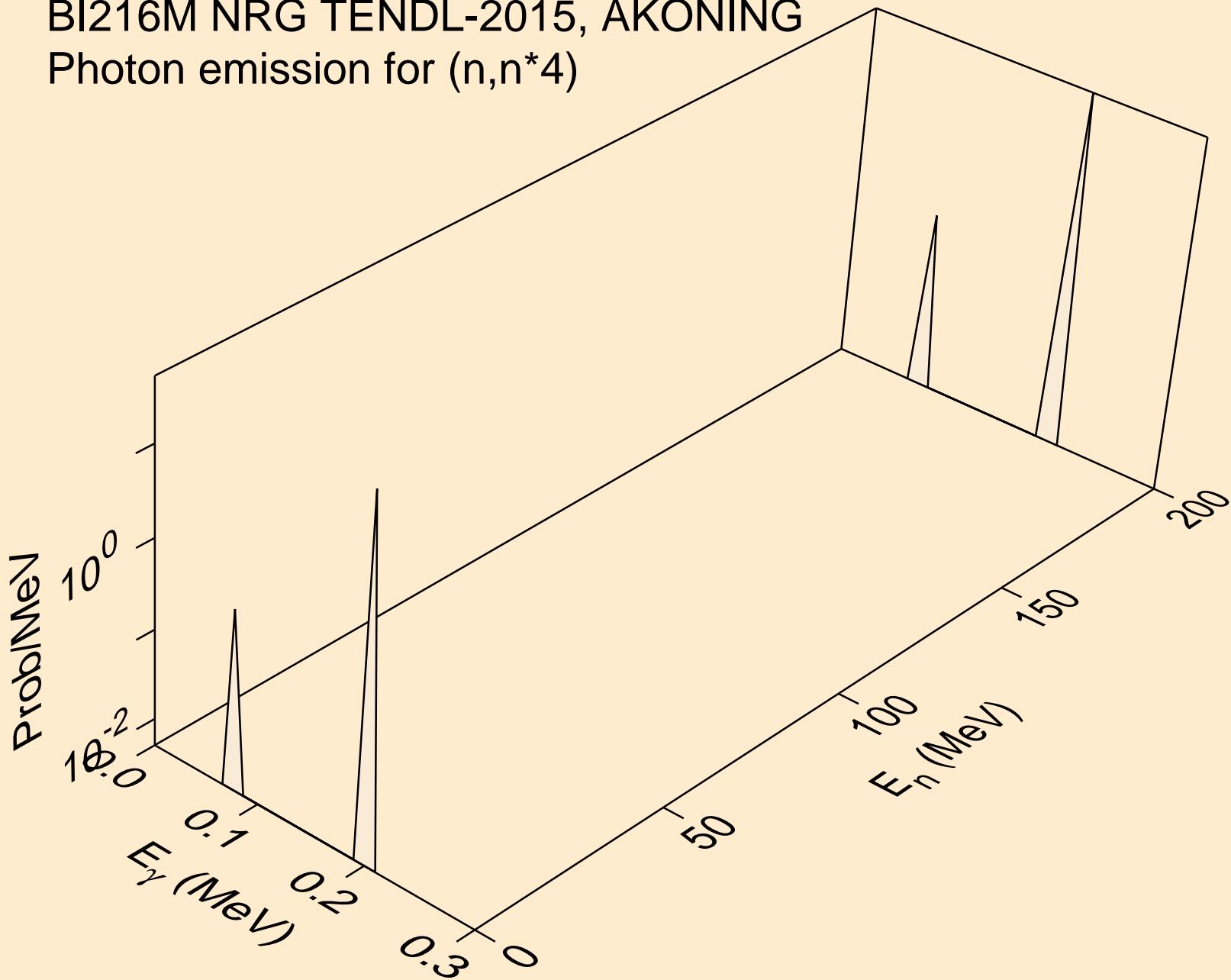
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*2)



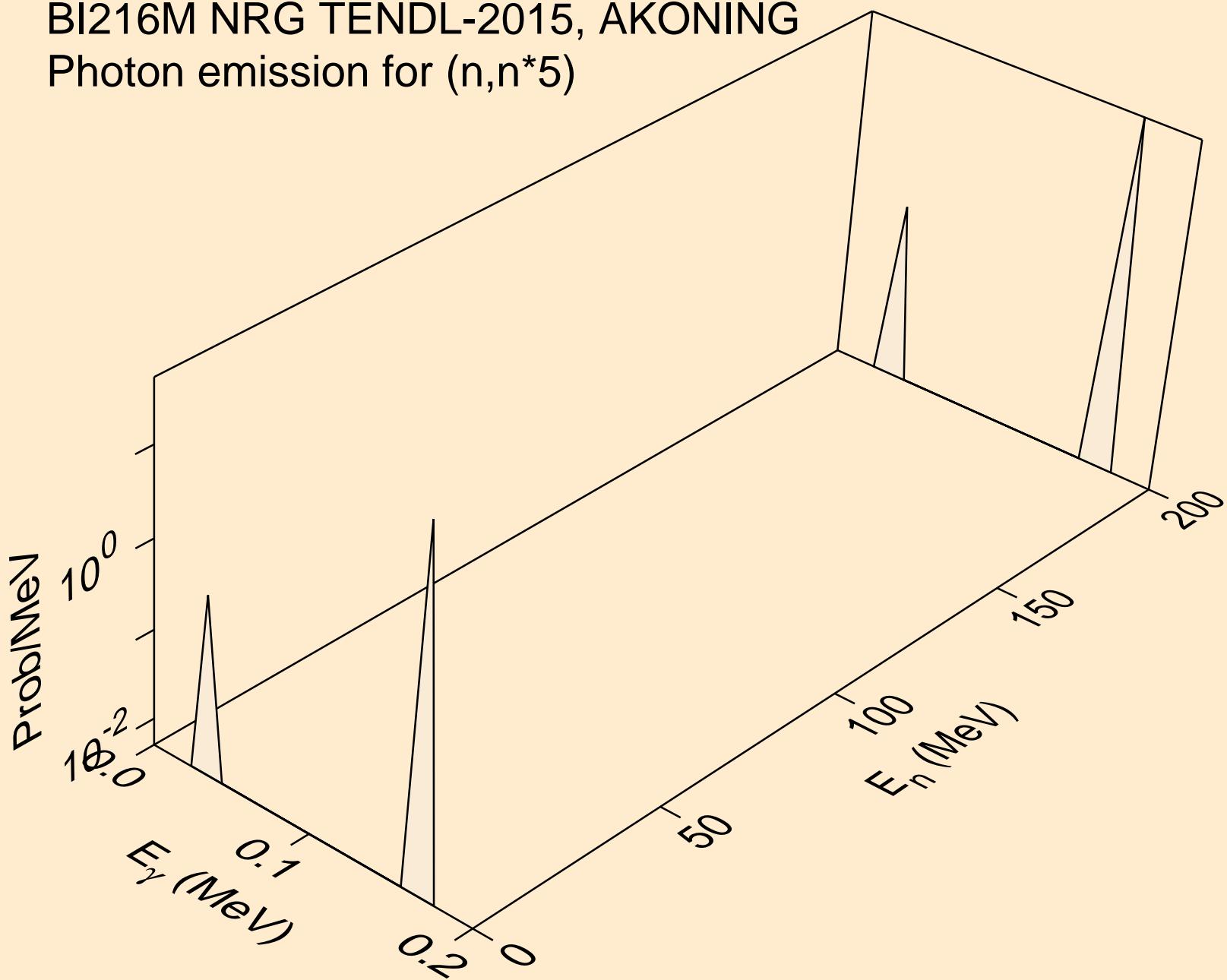
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Photon emission for (n,n\*3)



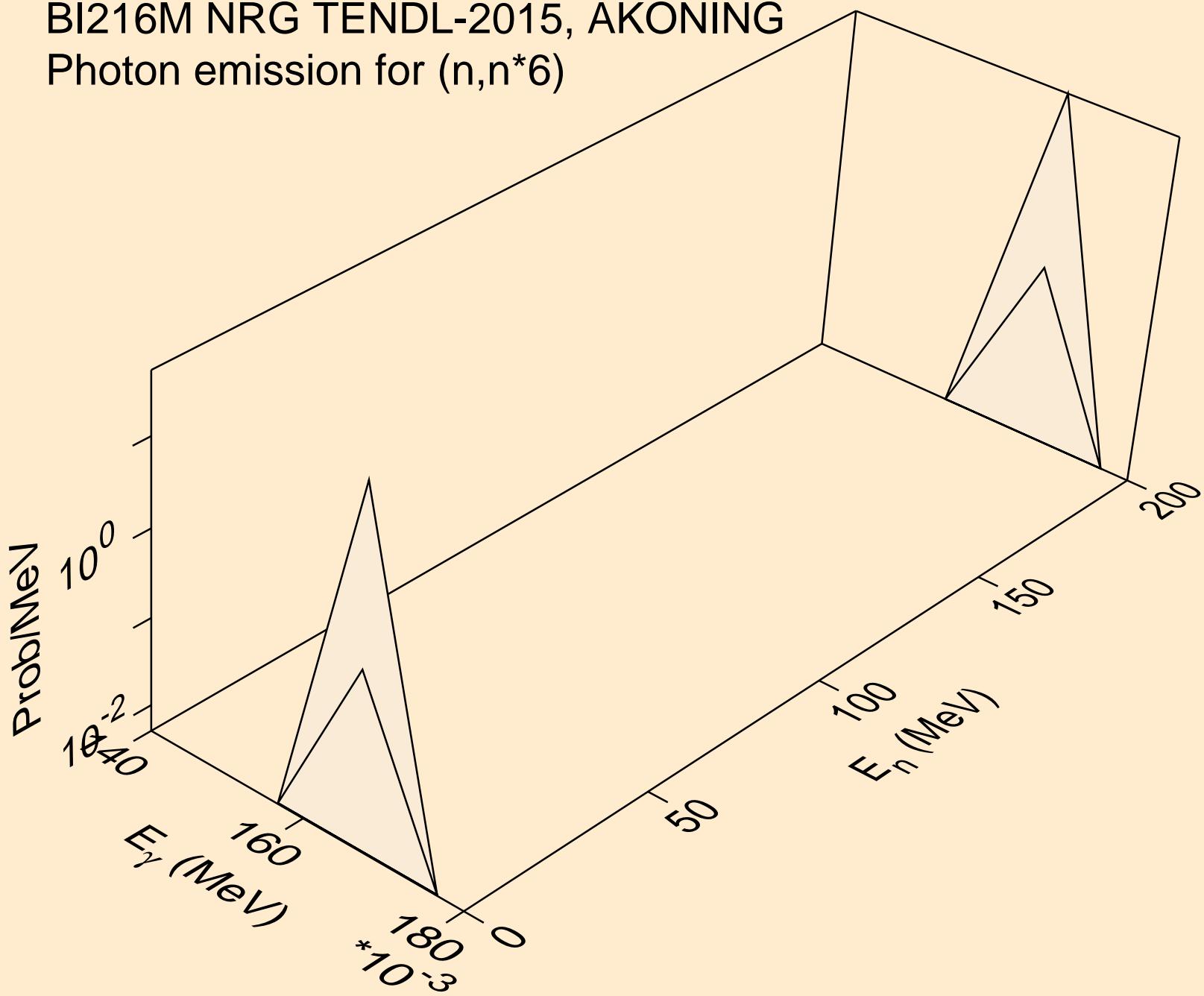
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*4)



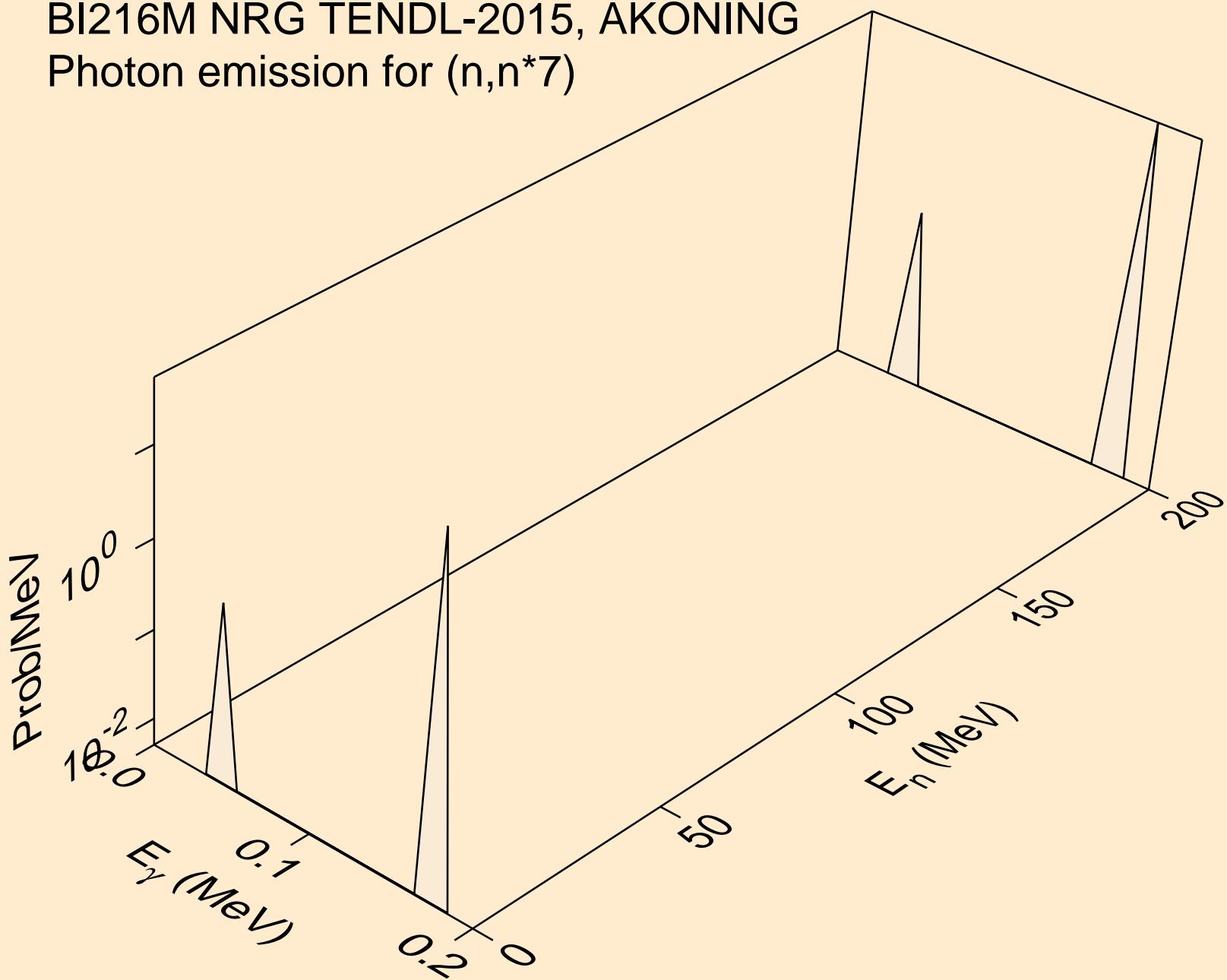
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*5)



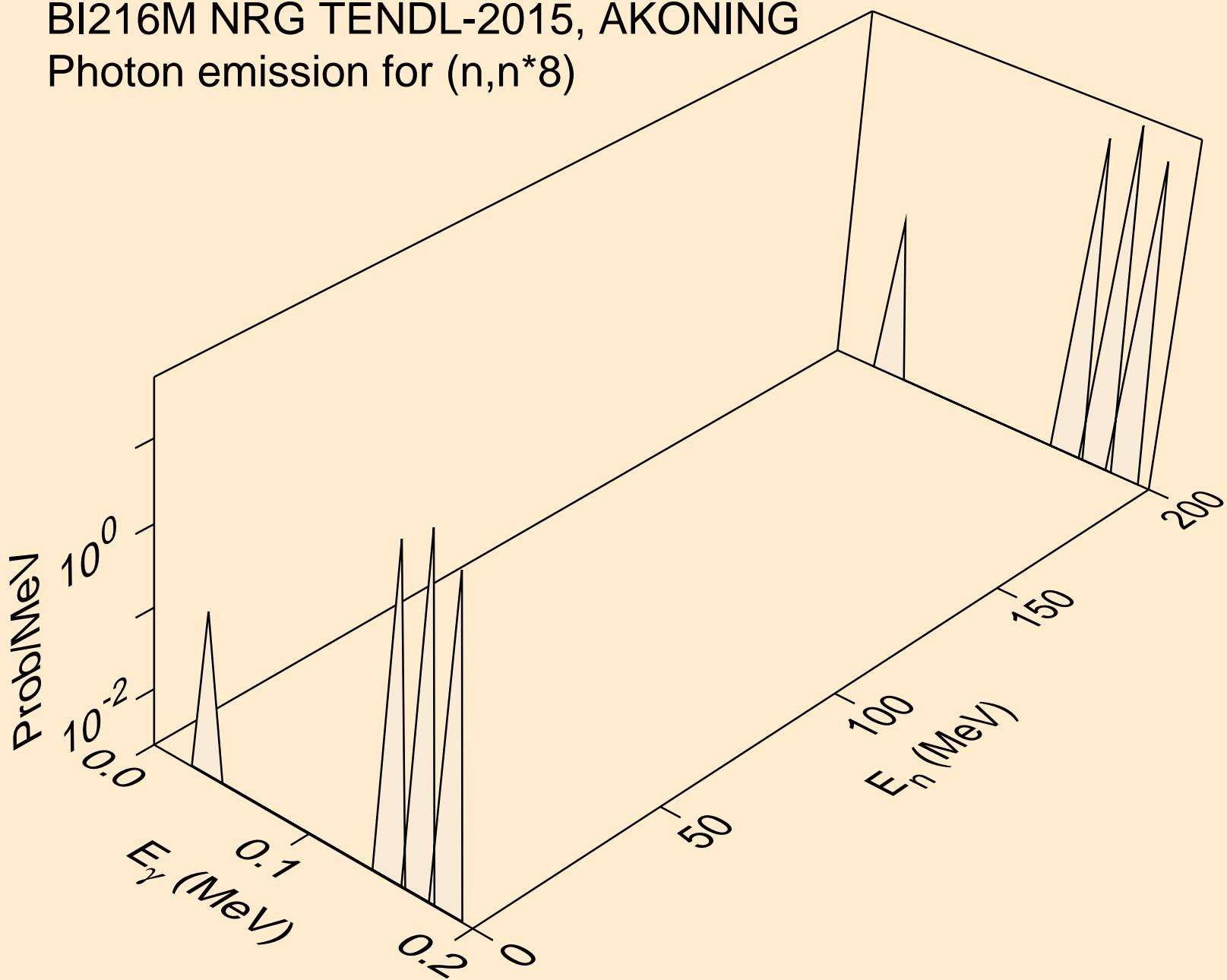
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*6)



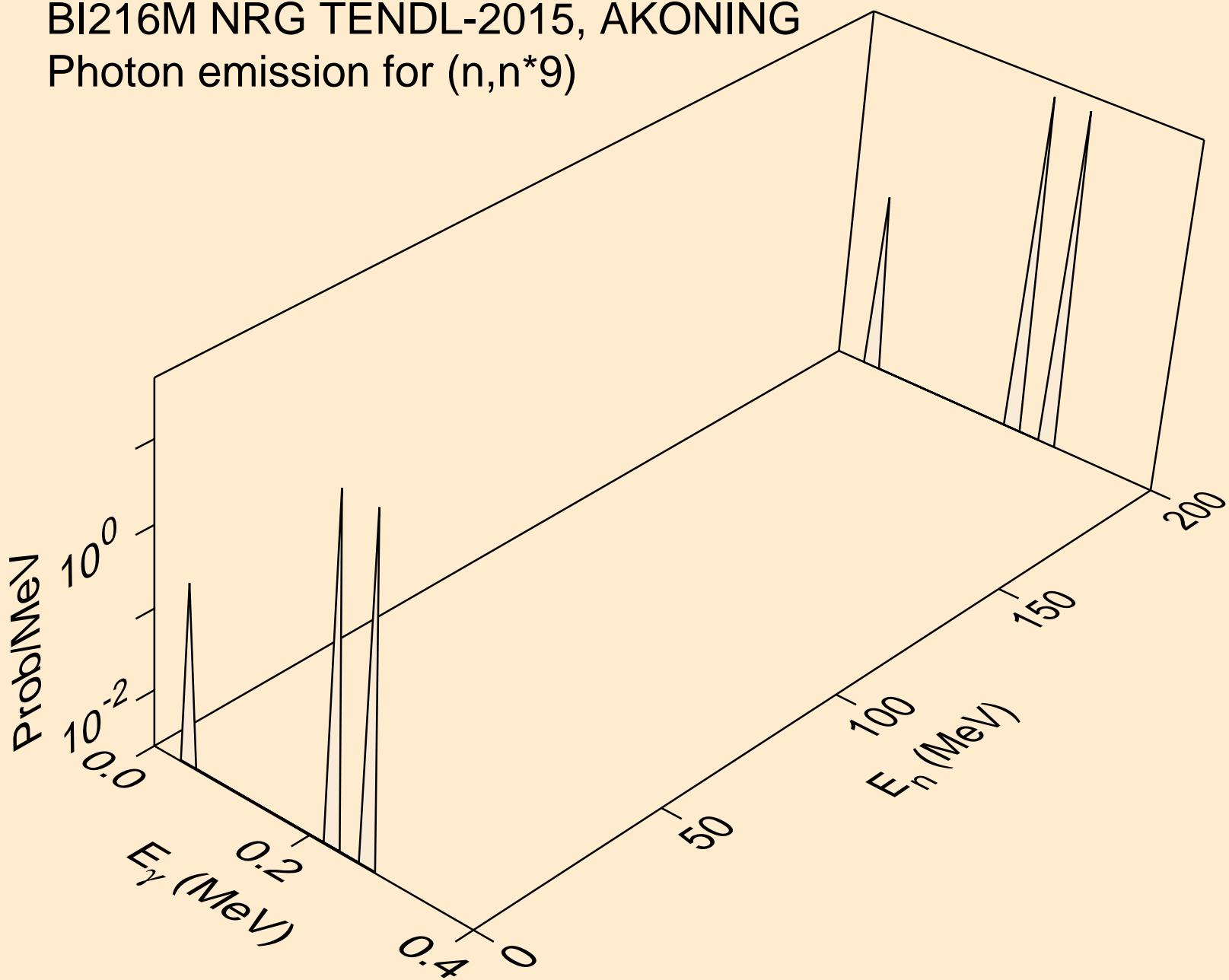
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Photon emission for (n,n\*7)



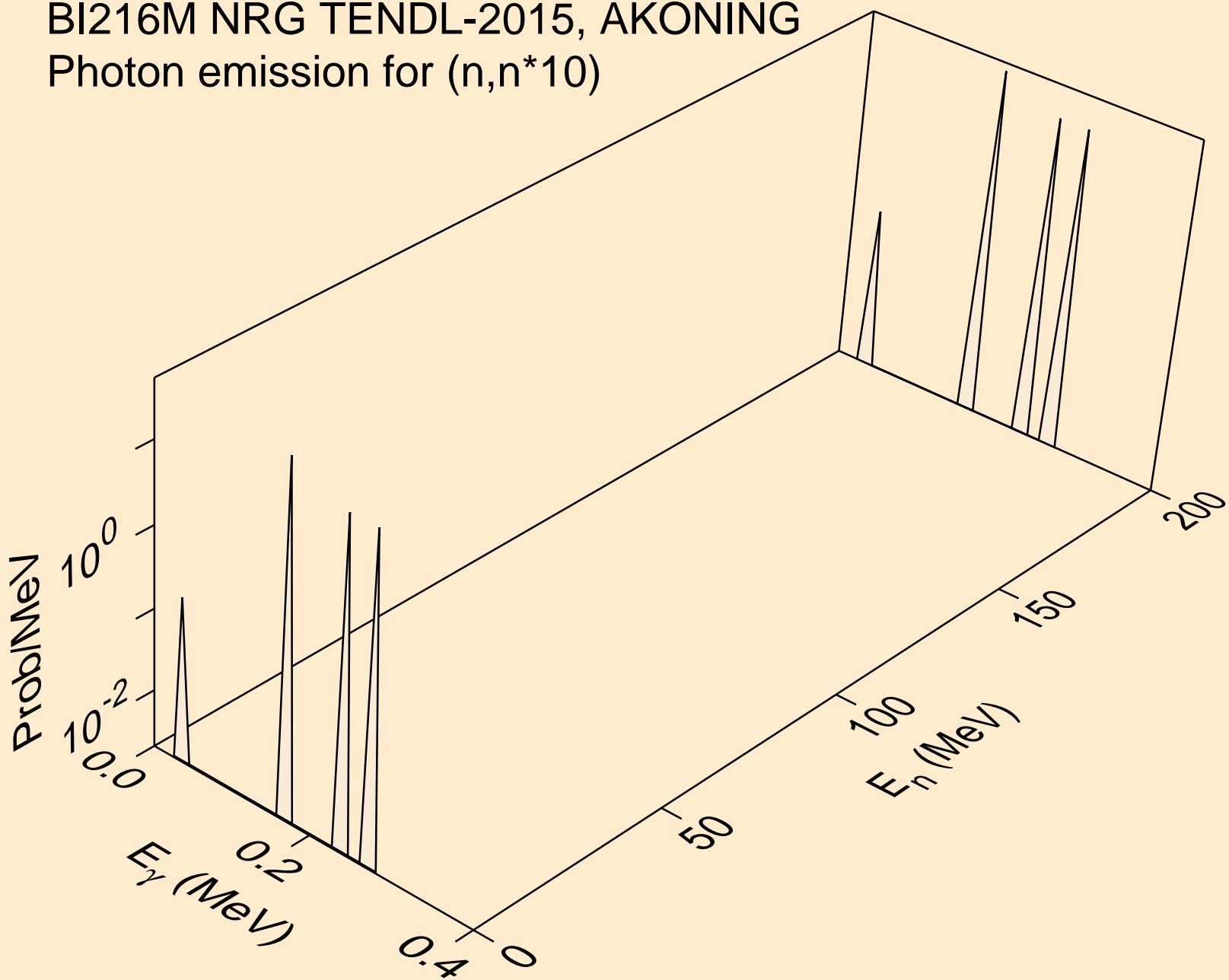
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Photon emission for (n,n\*8)



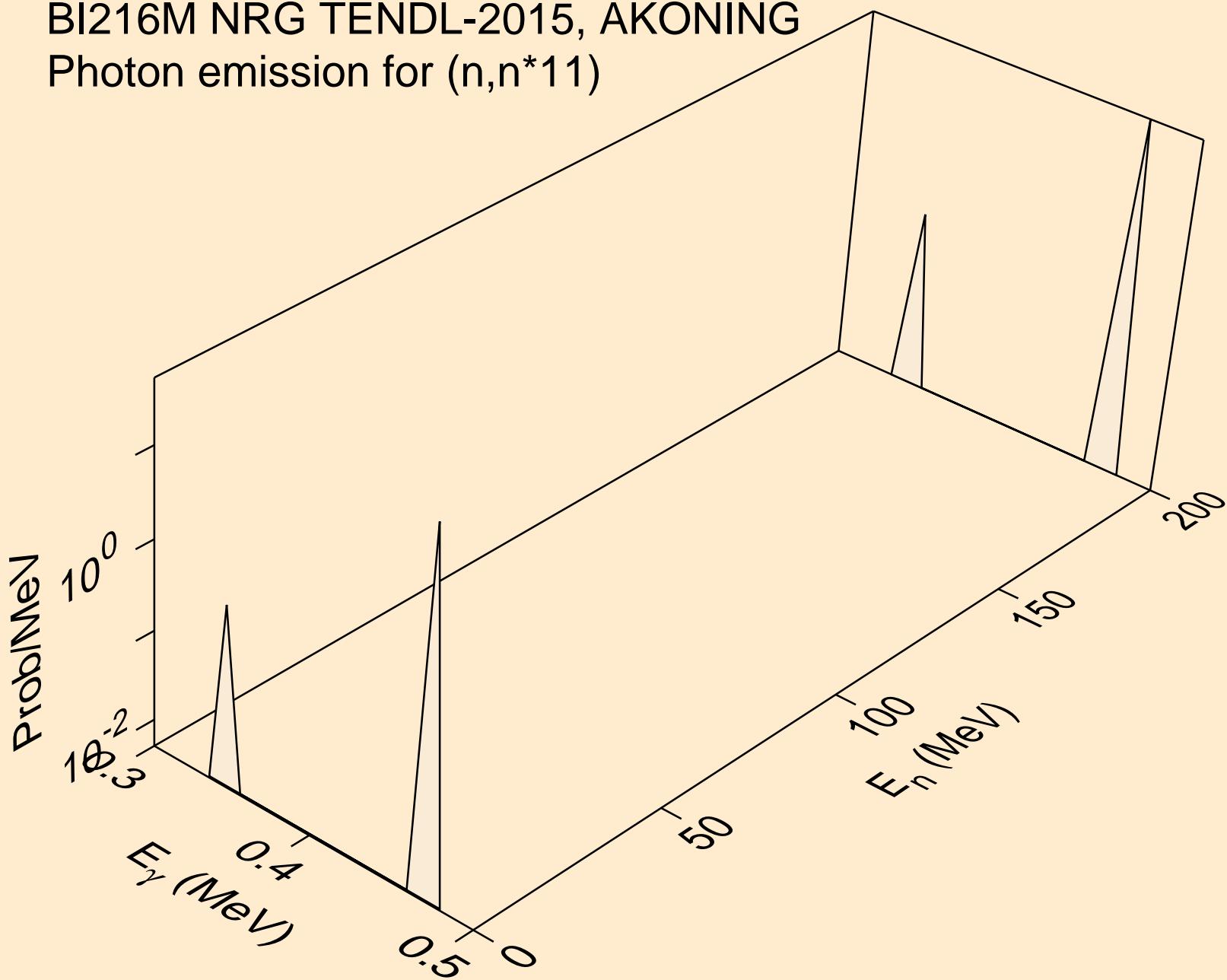
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Photon emission for (n,n\*9)



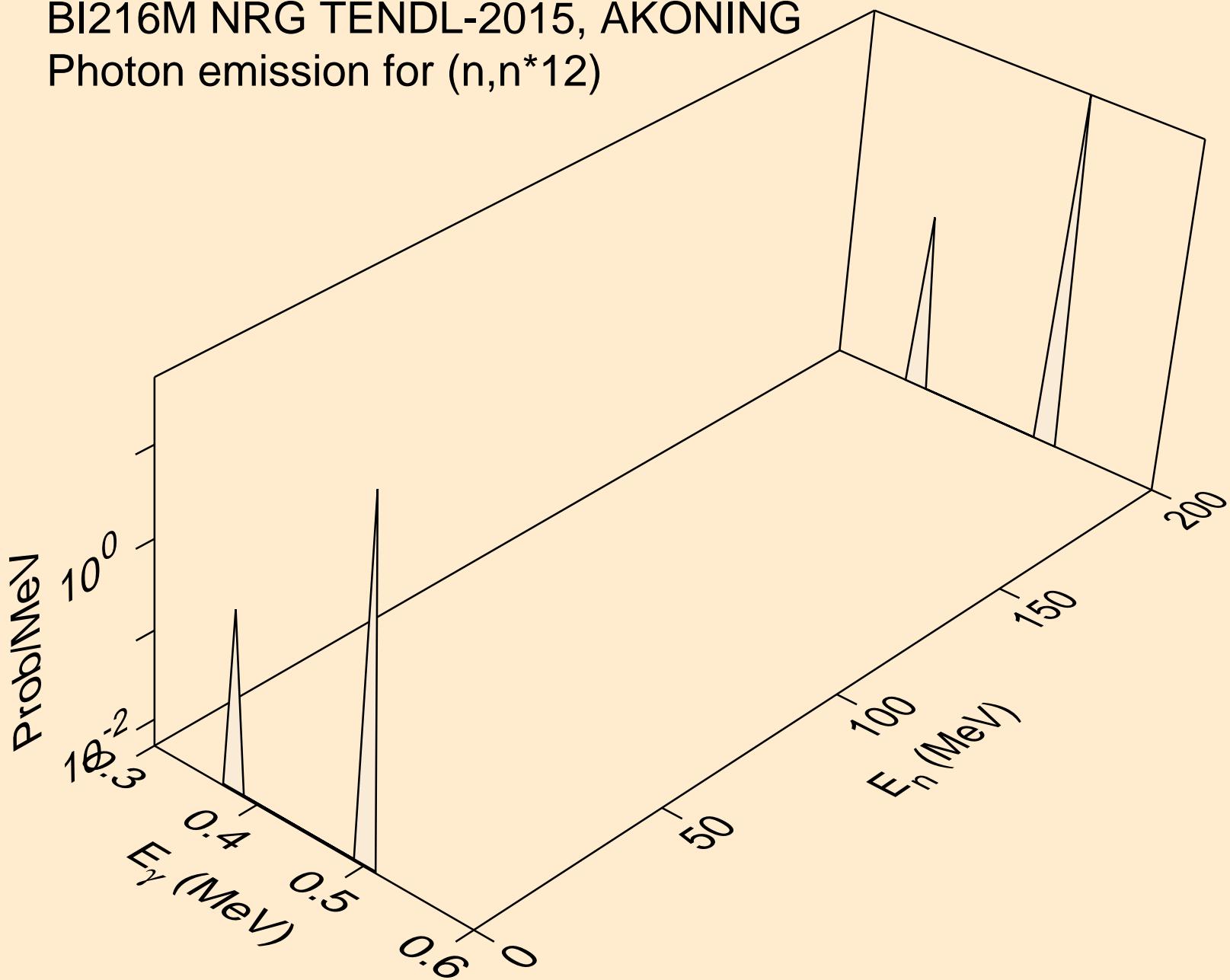
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Photon emission for (n,n\*10)



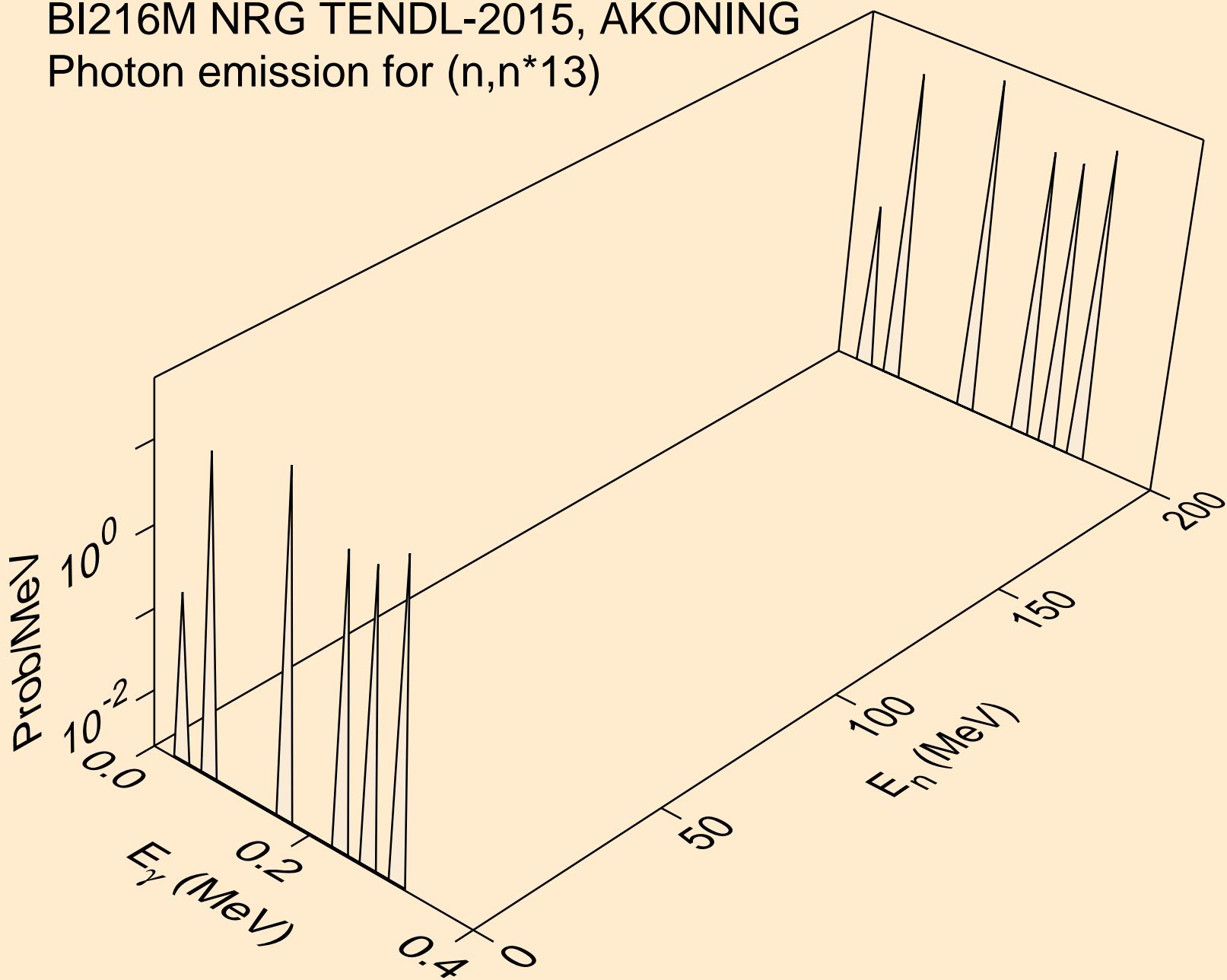
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Photon emission for (n,n\*11)



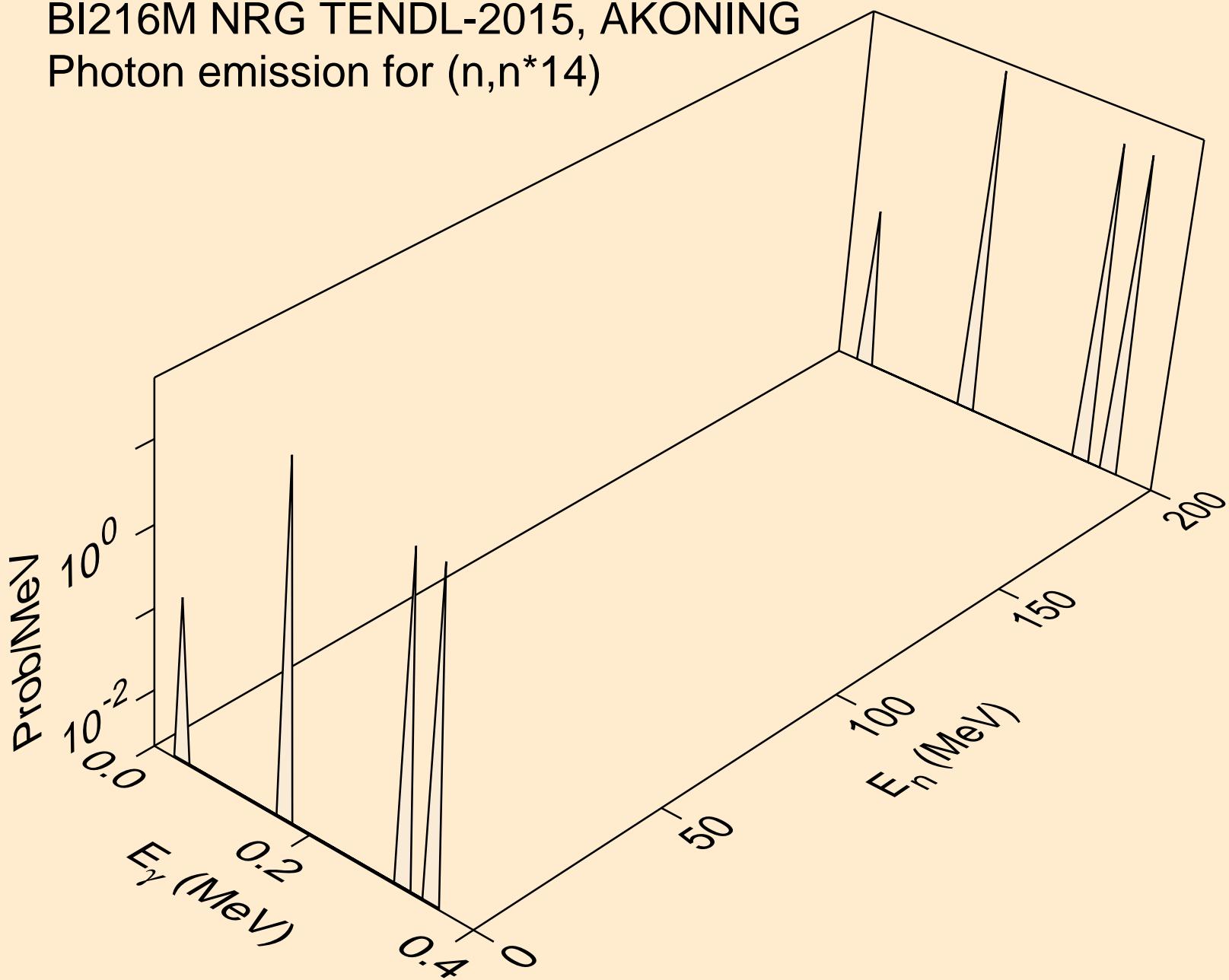
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Photon emission for (n,n\*12)



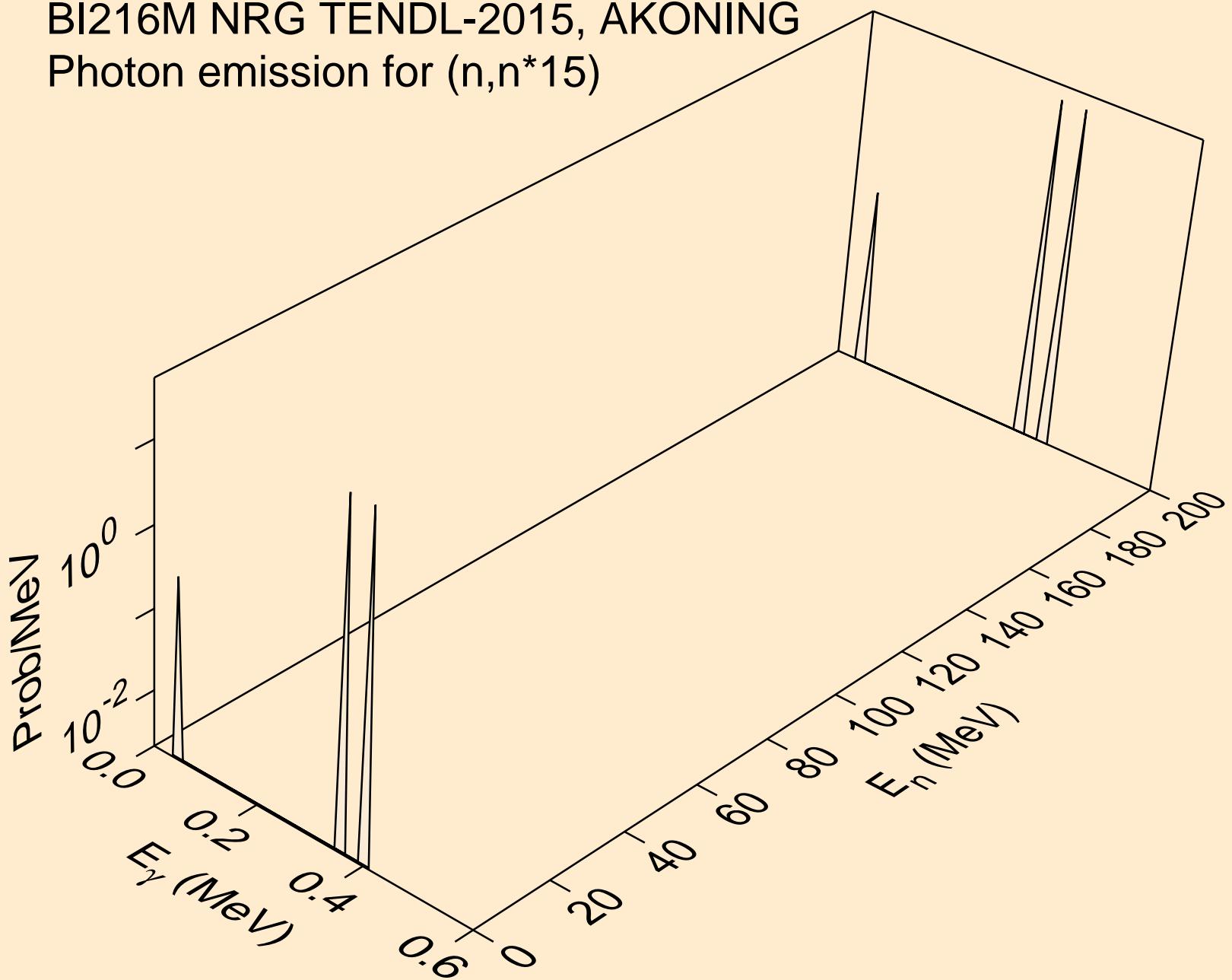
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Photon emission for (n,n\*13)



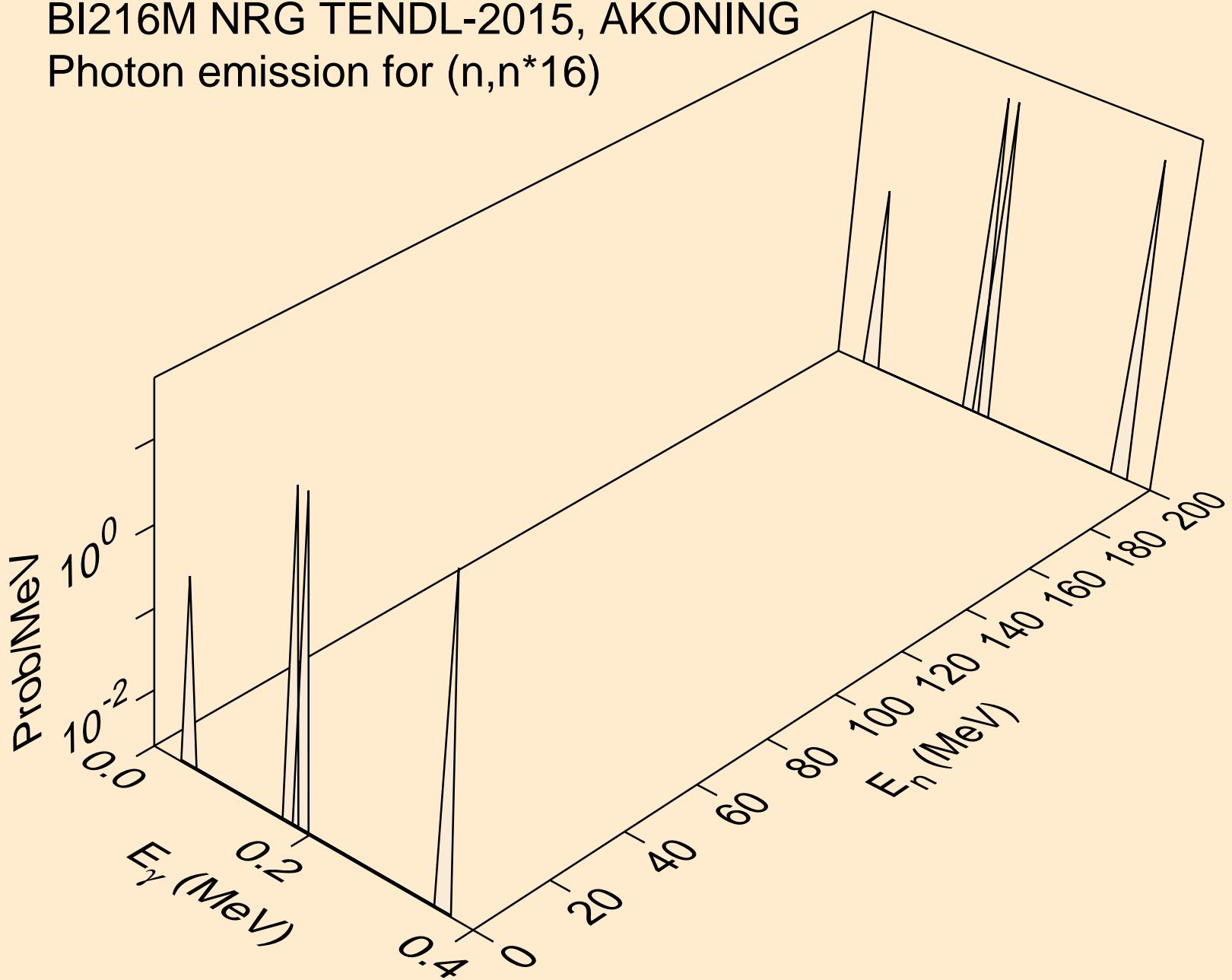
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Photon emission for (n,n\*14)



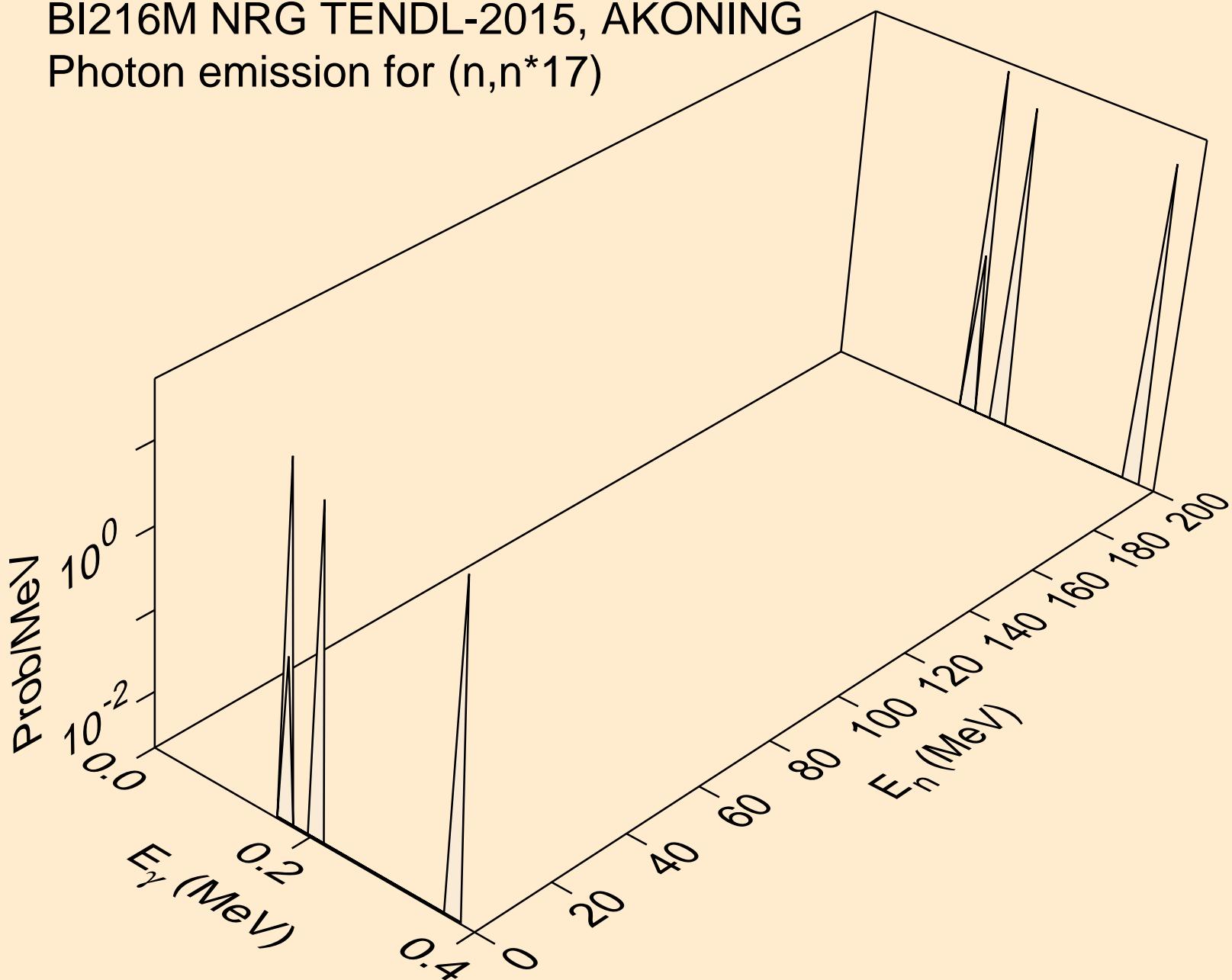
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*15)



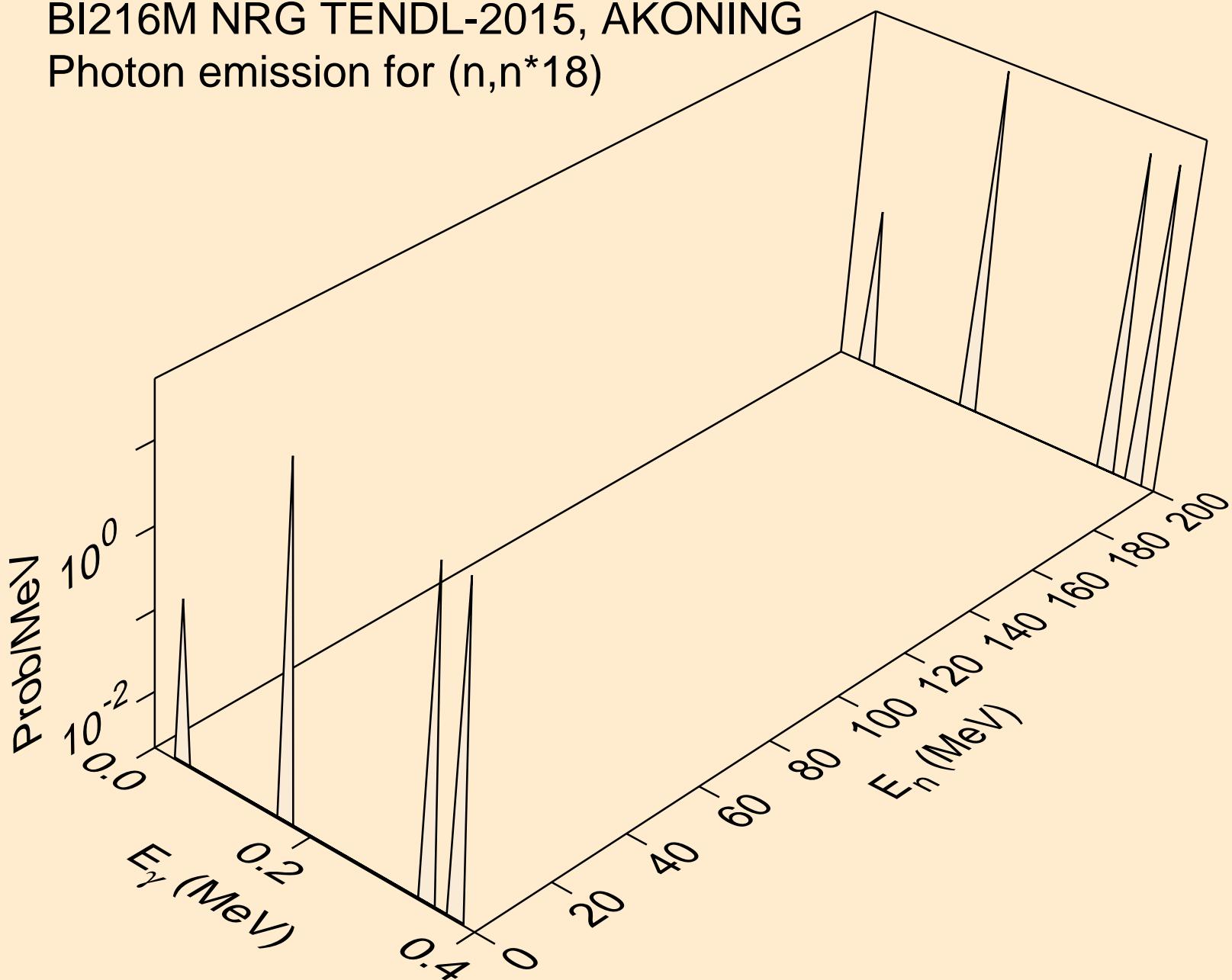
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Photon emission for (n,n\*16)



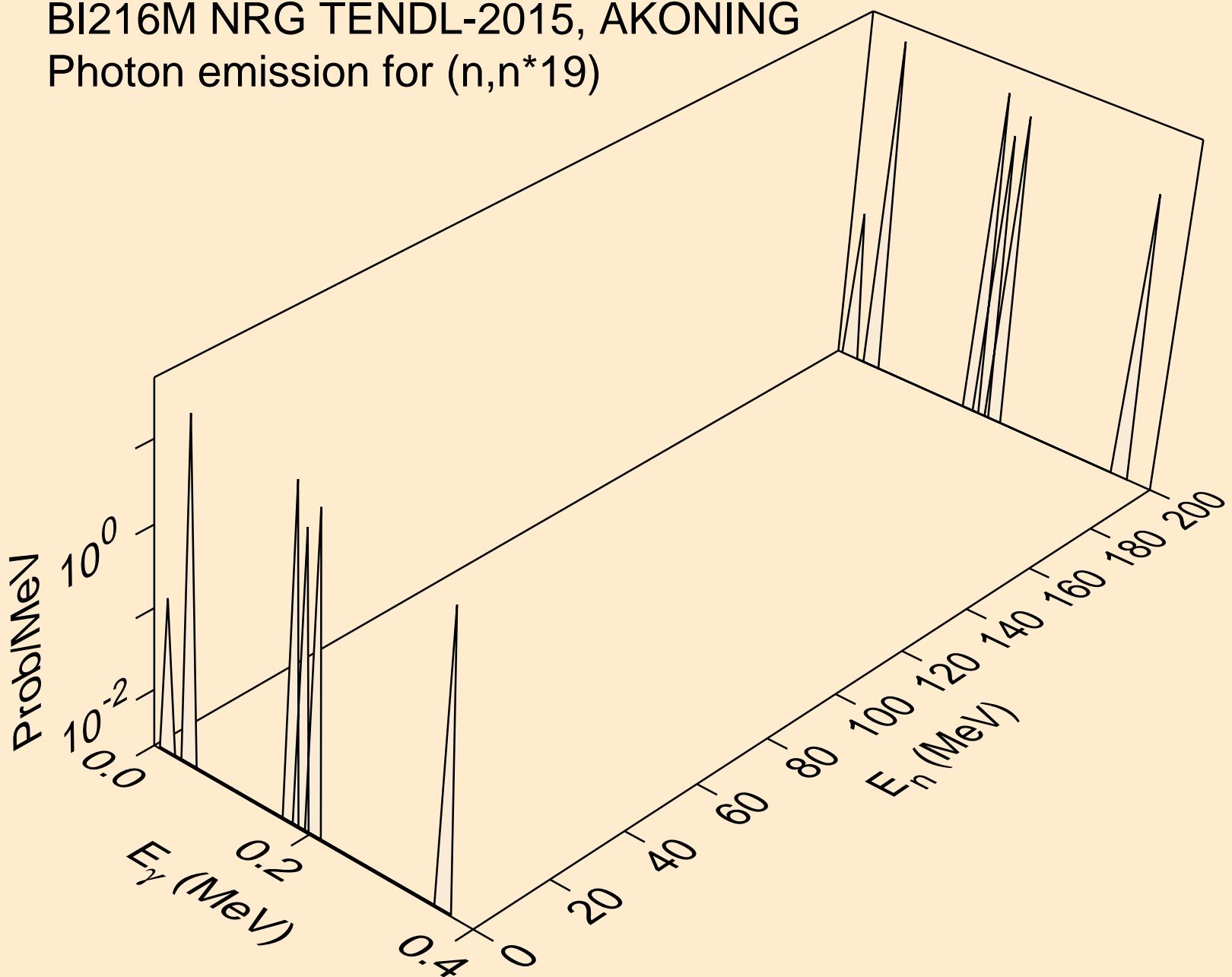
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Photon emission for (n,n\*17)



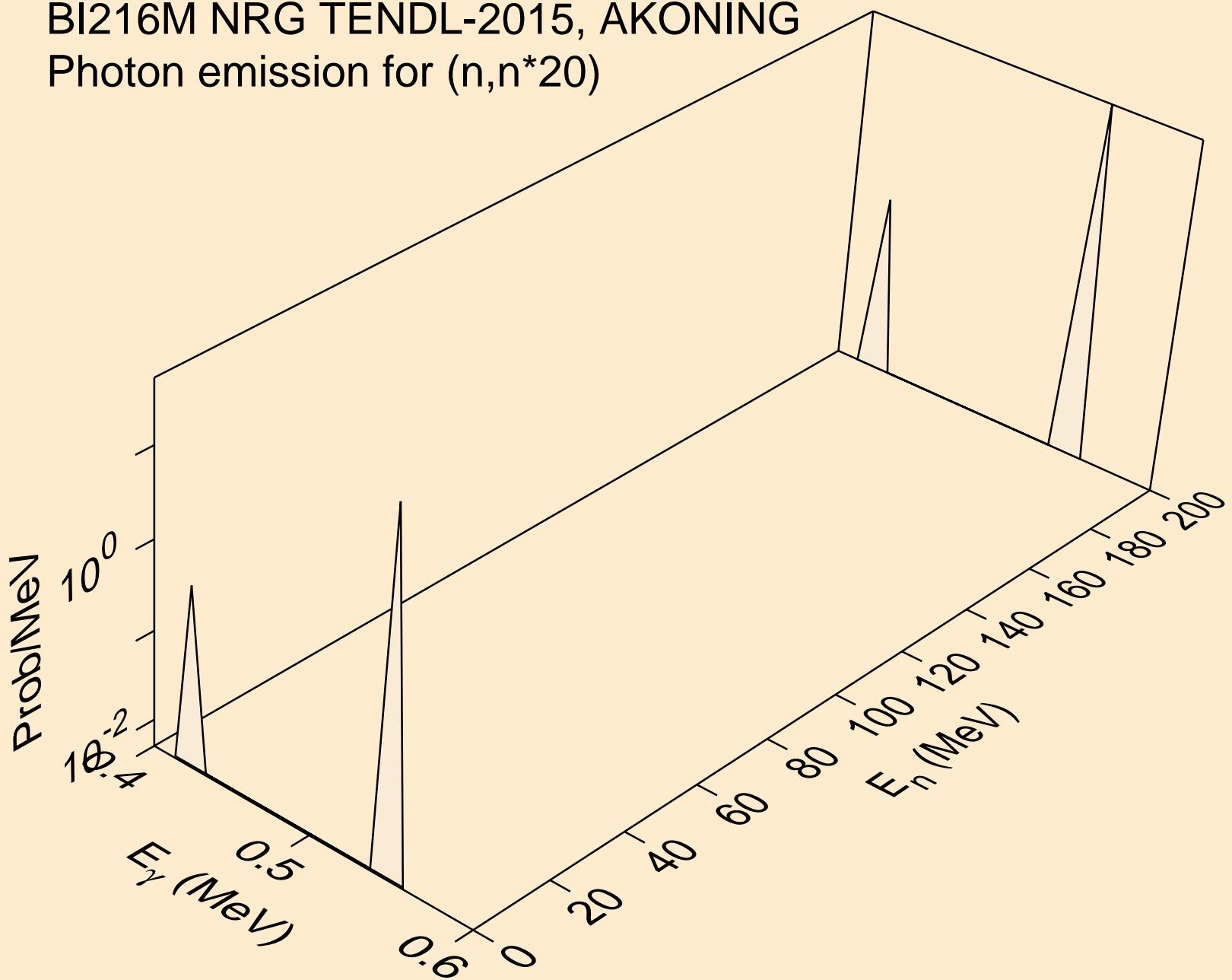
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Photon emission for (n,n\*18)



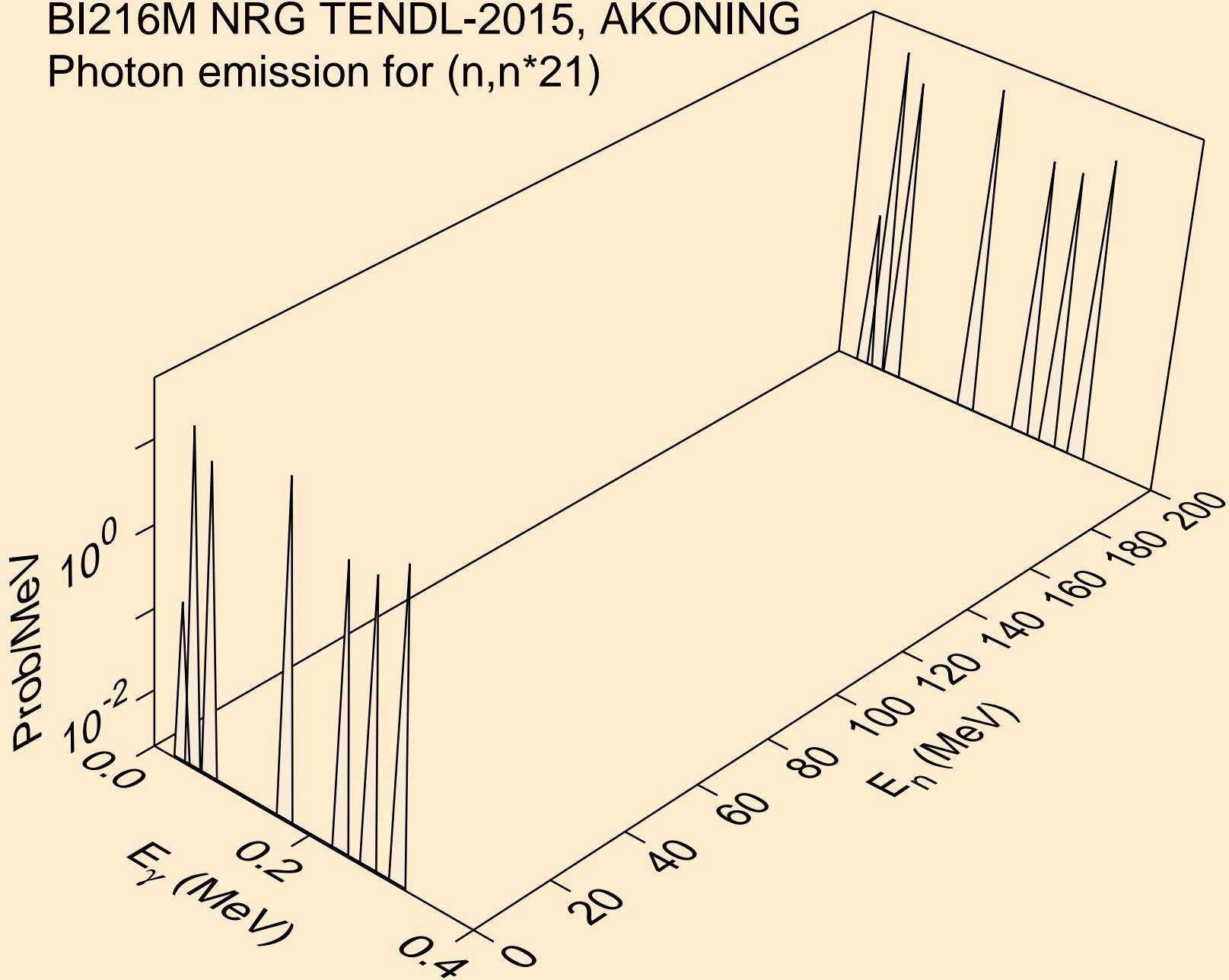
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Photon emission for (n,n\*19)



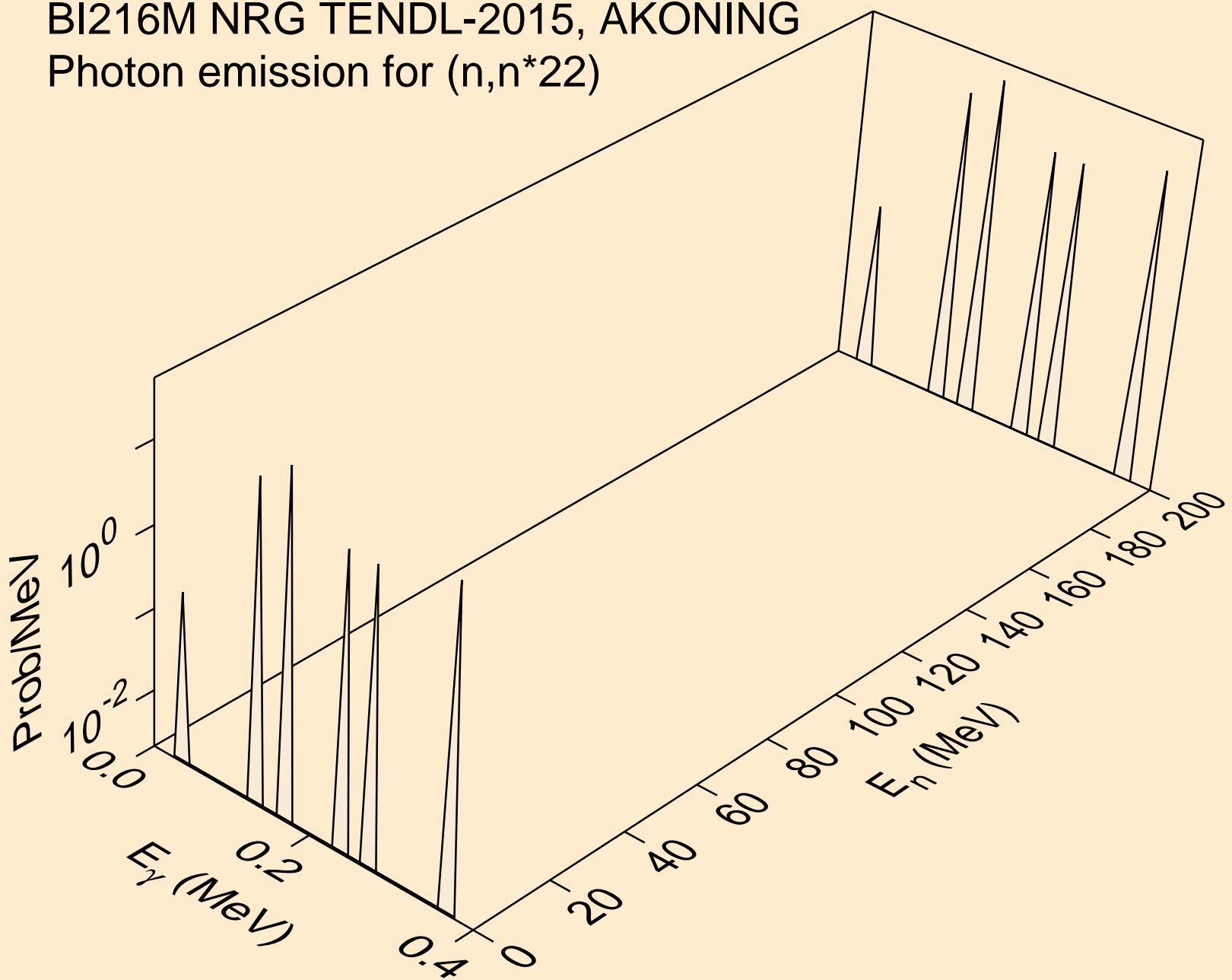
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Photon emission for (n,n\*20)



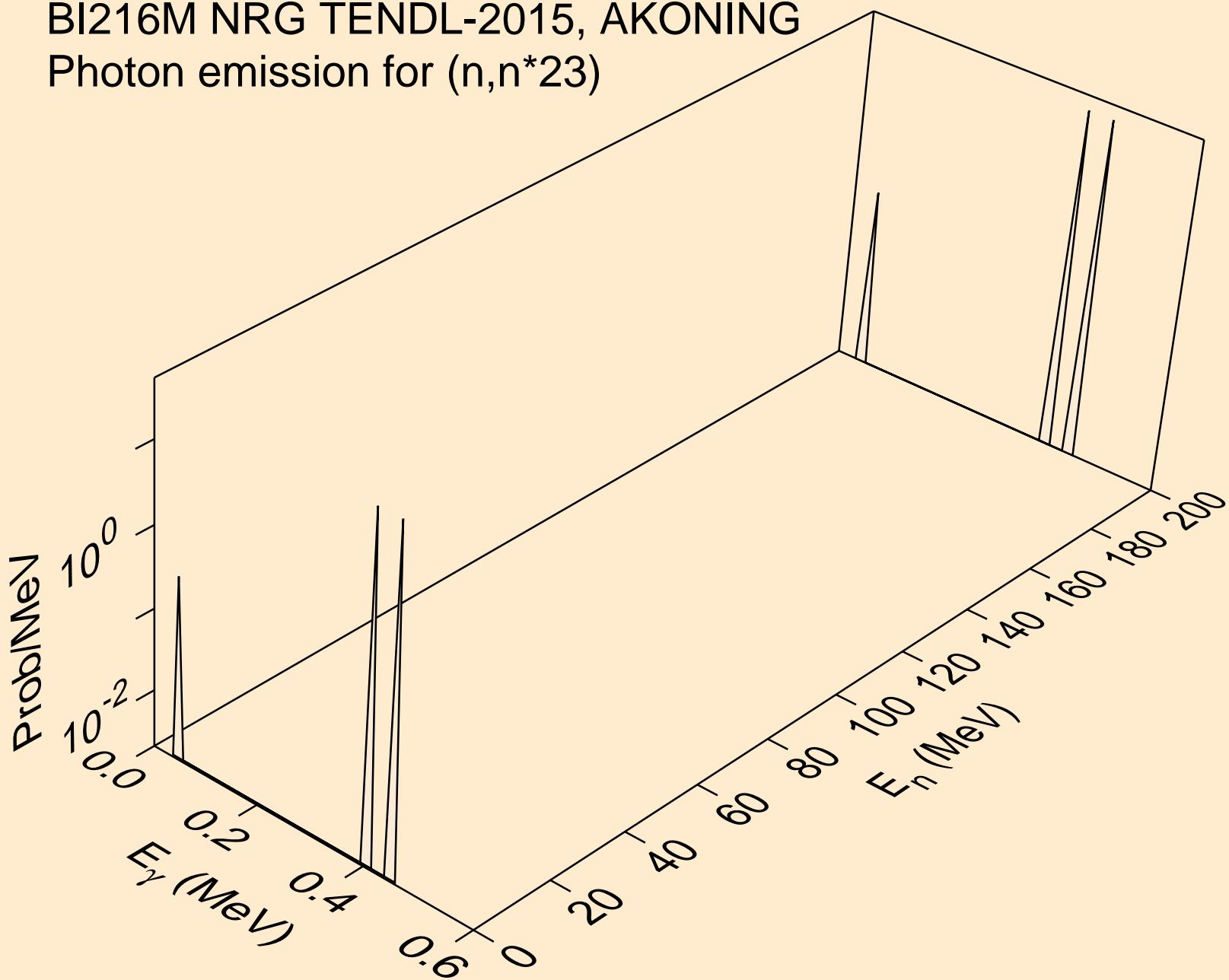
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Photon emission for (n,n\*21)



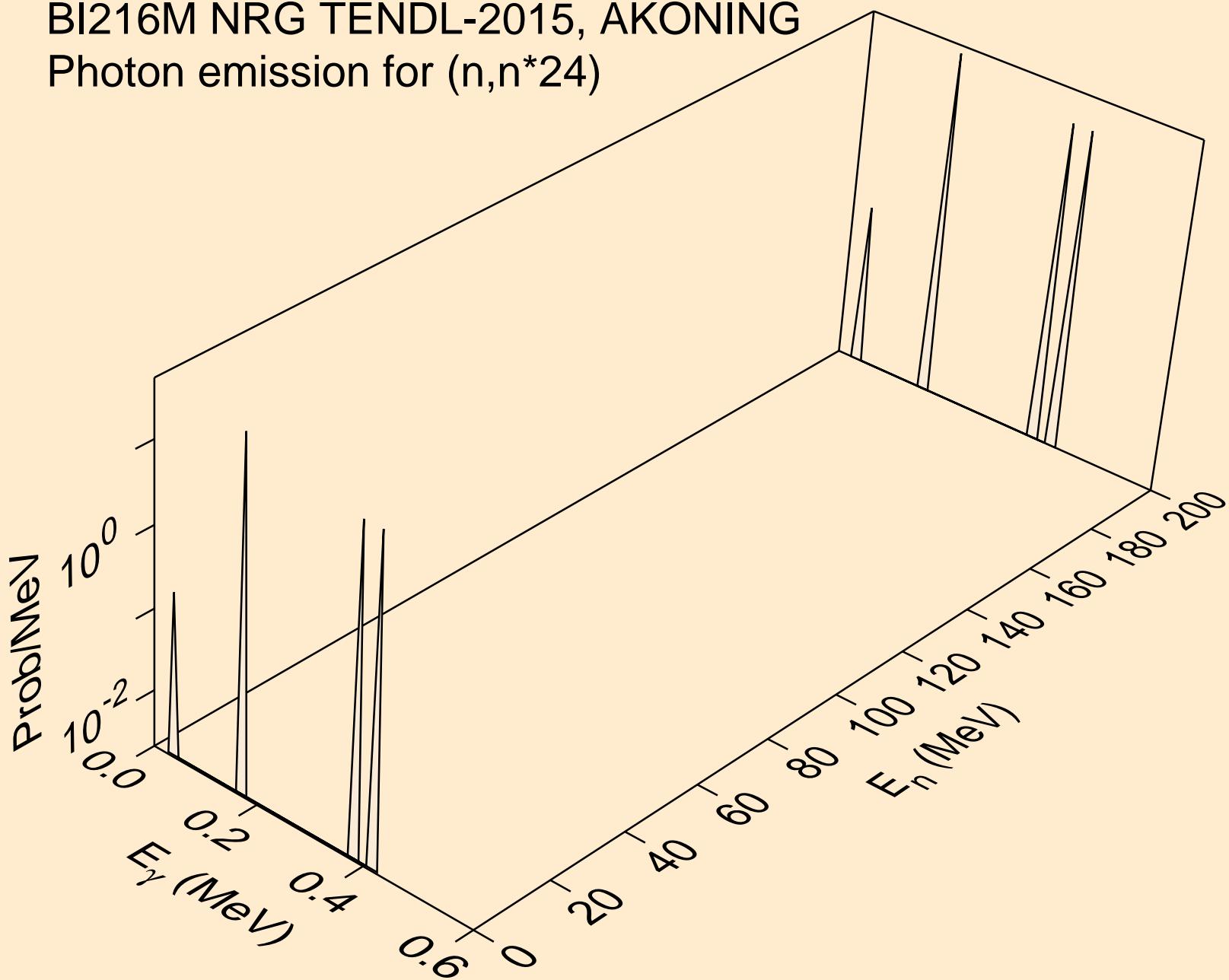
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Photon emission for ( $n, n^* 22$ )



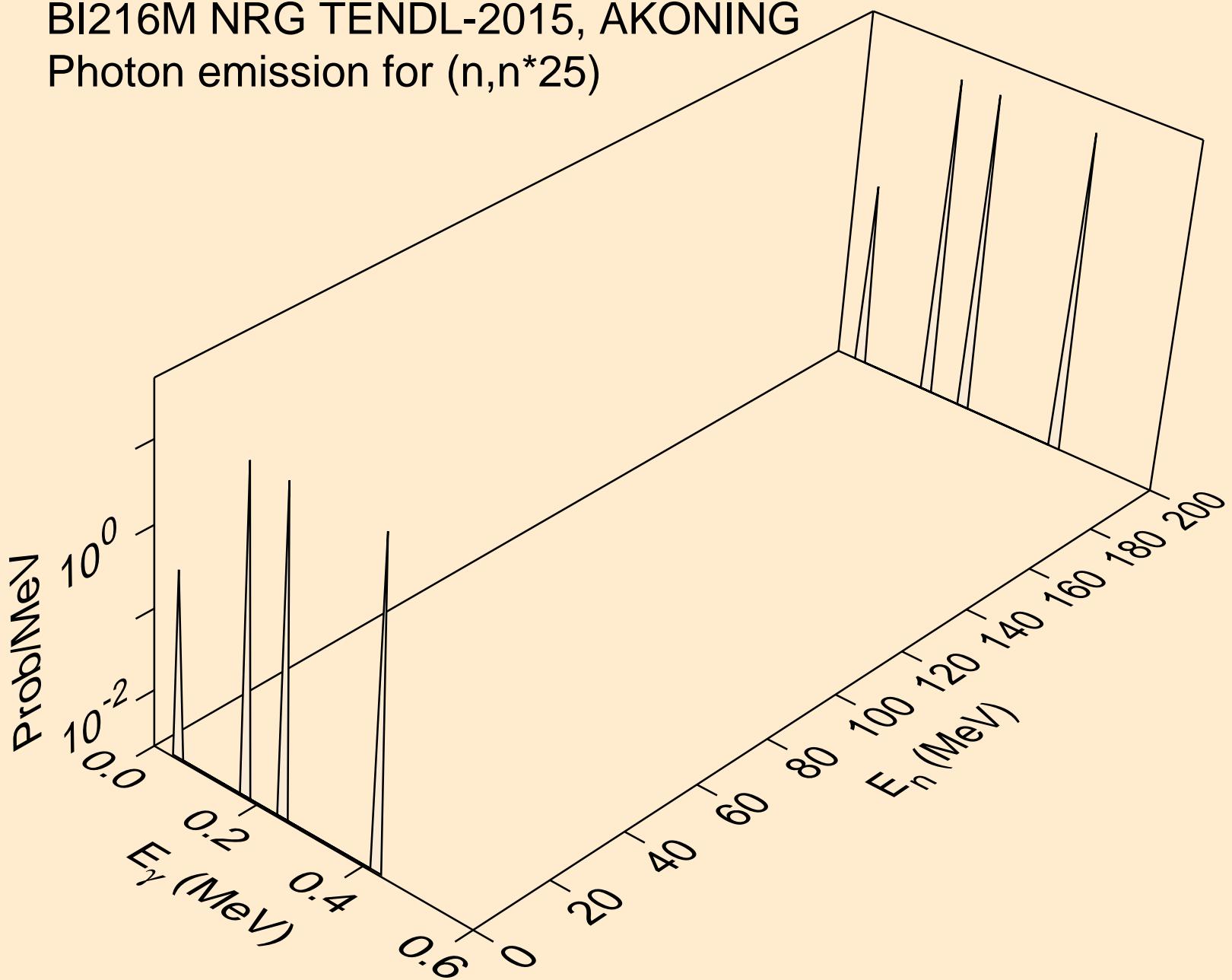
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Photon emission for (n,n\*23)



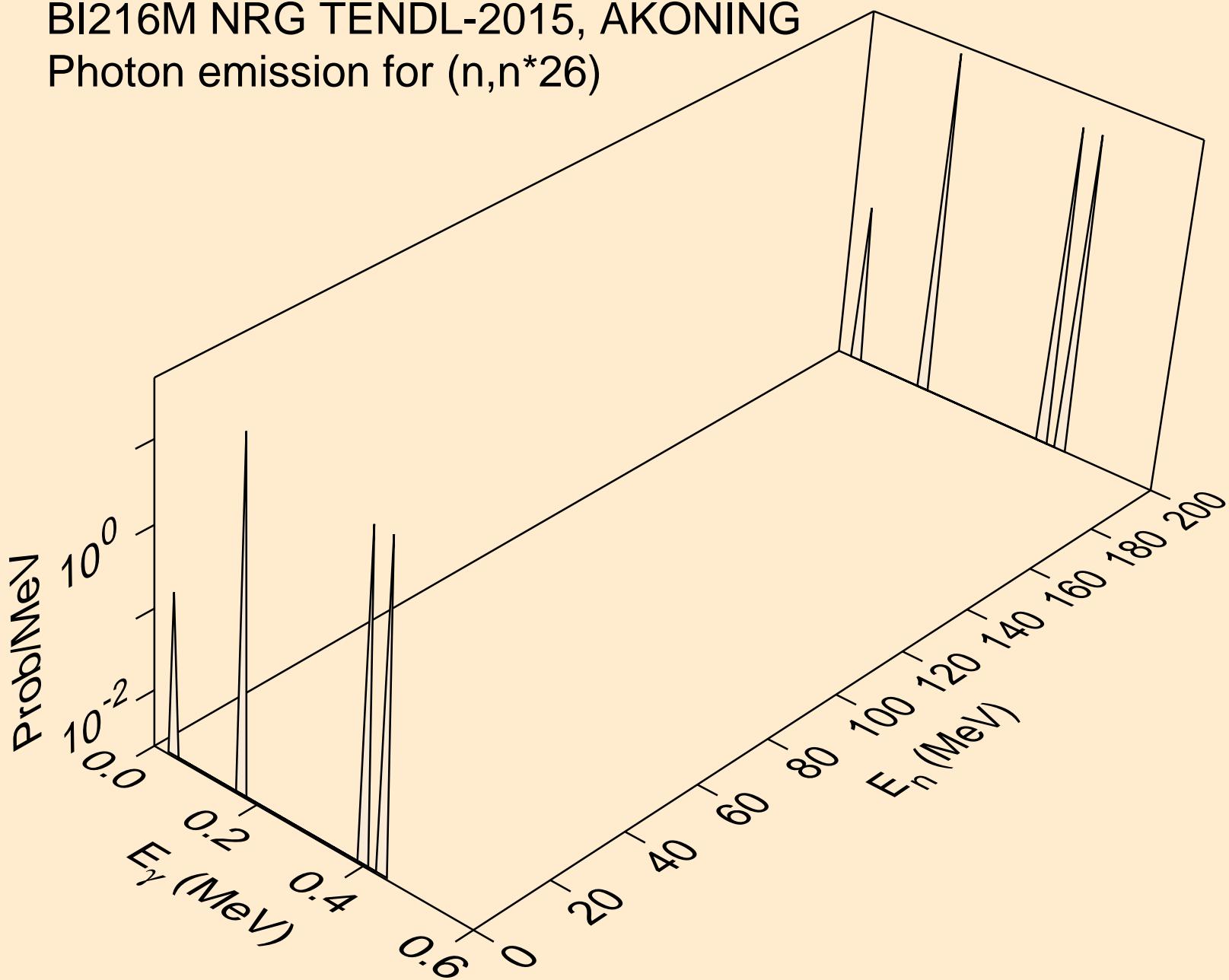
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Photon emission for ( $n, n^* 24$ )



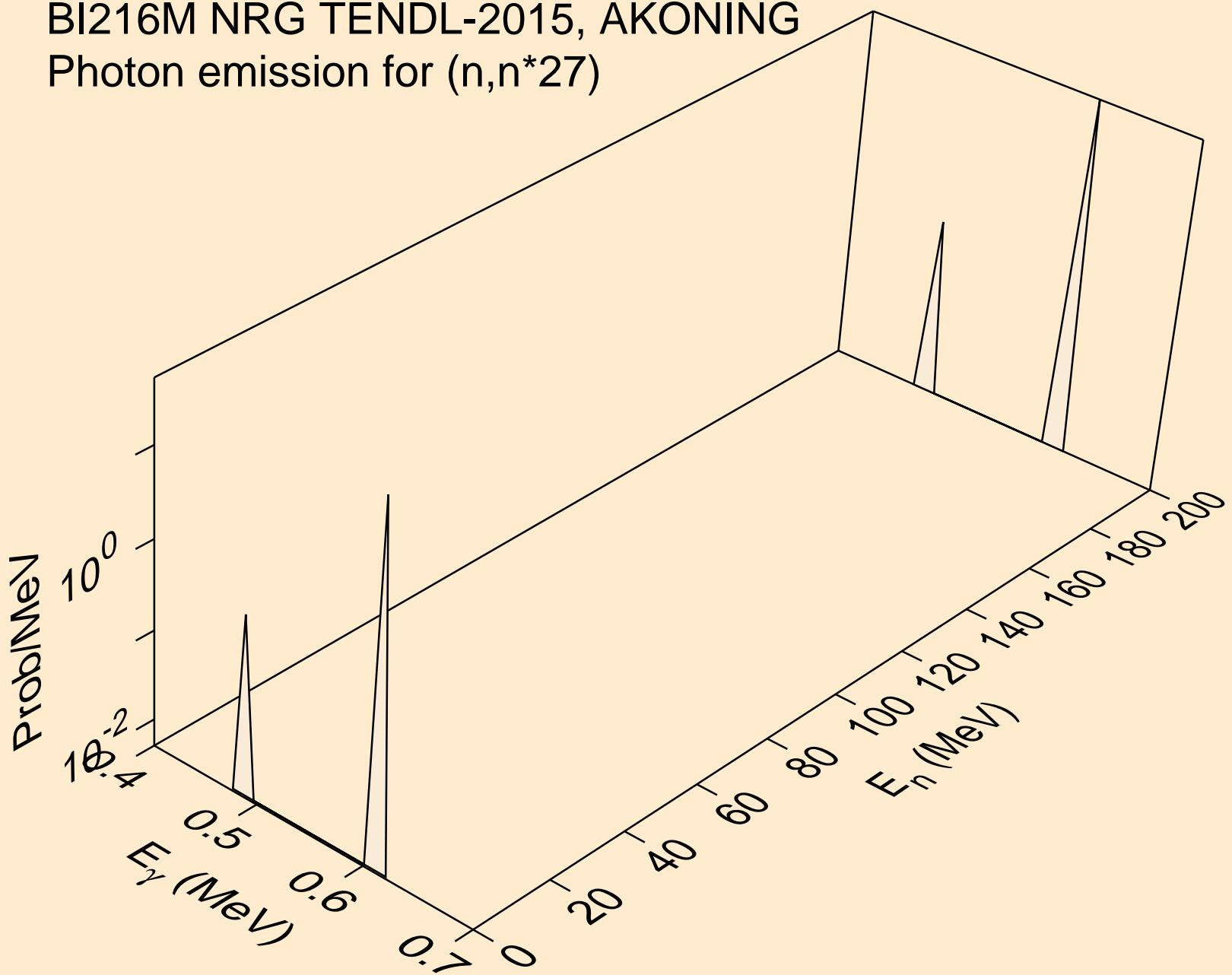
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Photon emission for (n,n\*25)



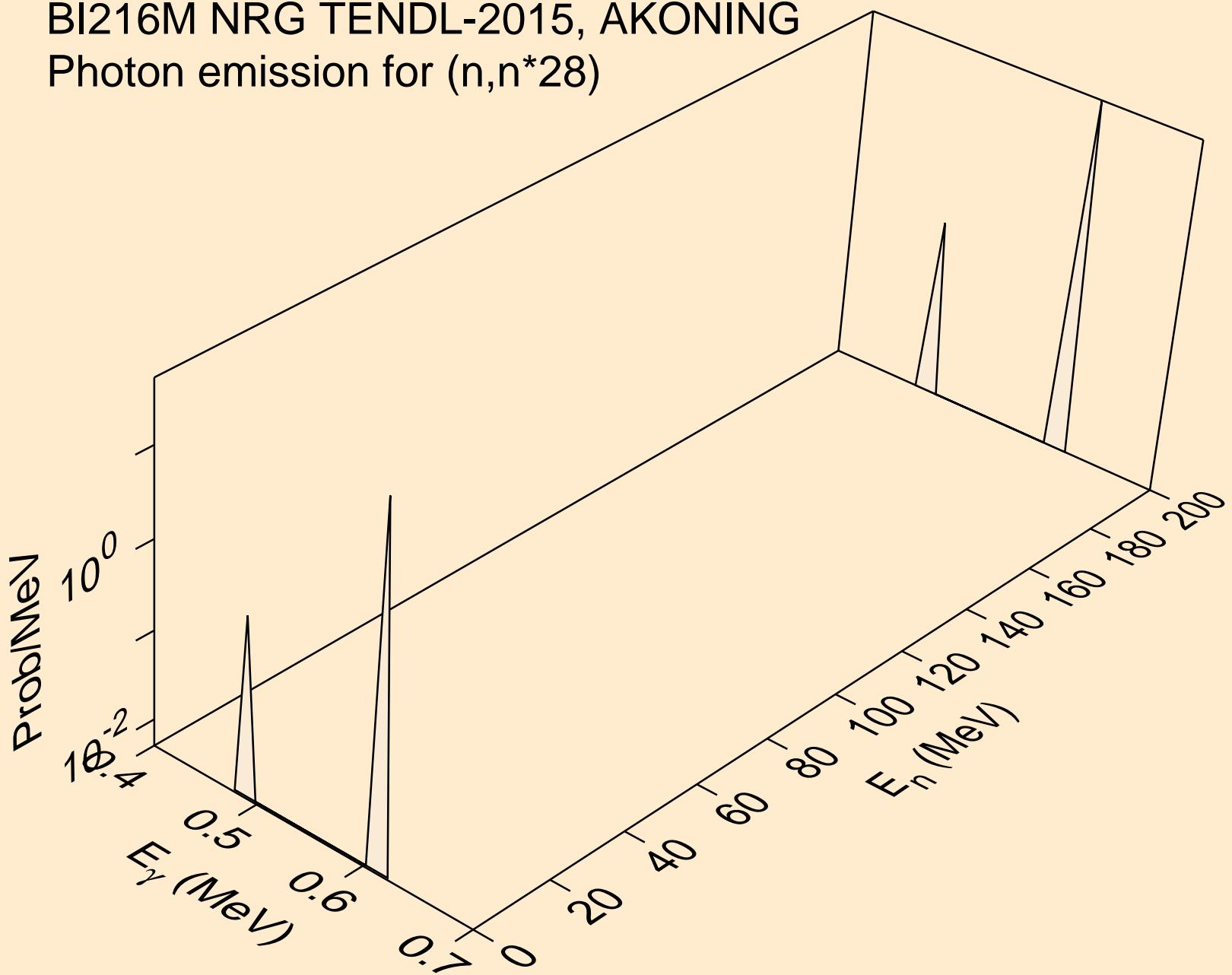
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Photon emission for ( $n, n^* 26$ )



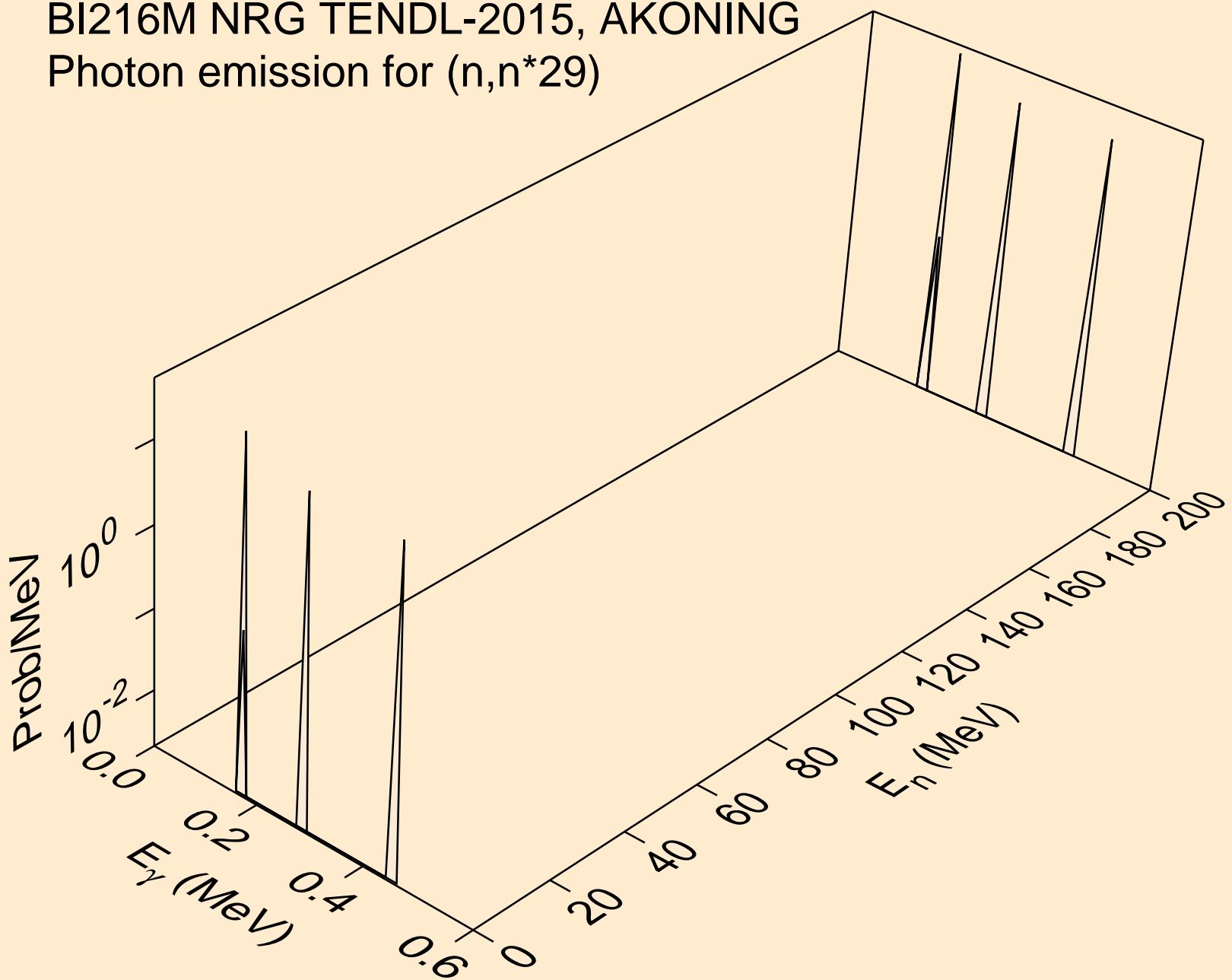
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Photon emission for (n,n\*27)



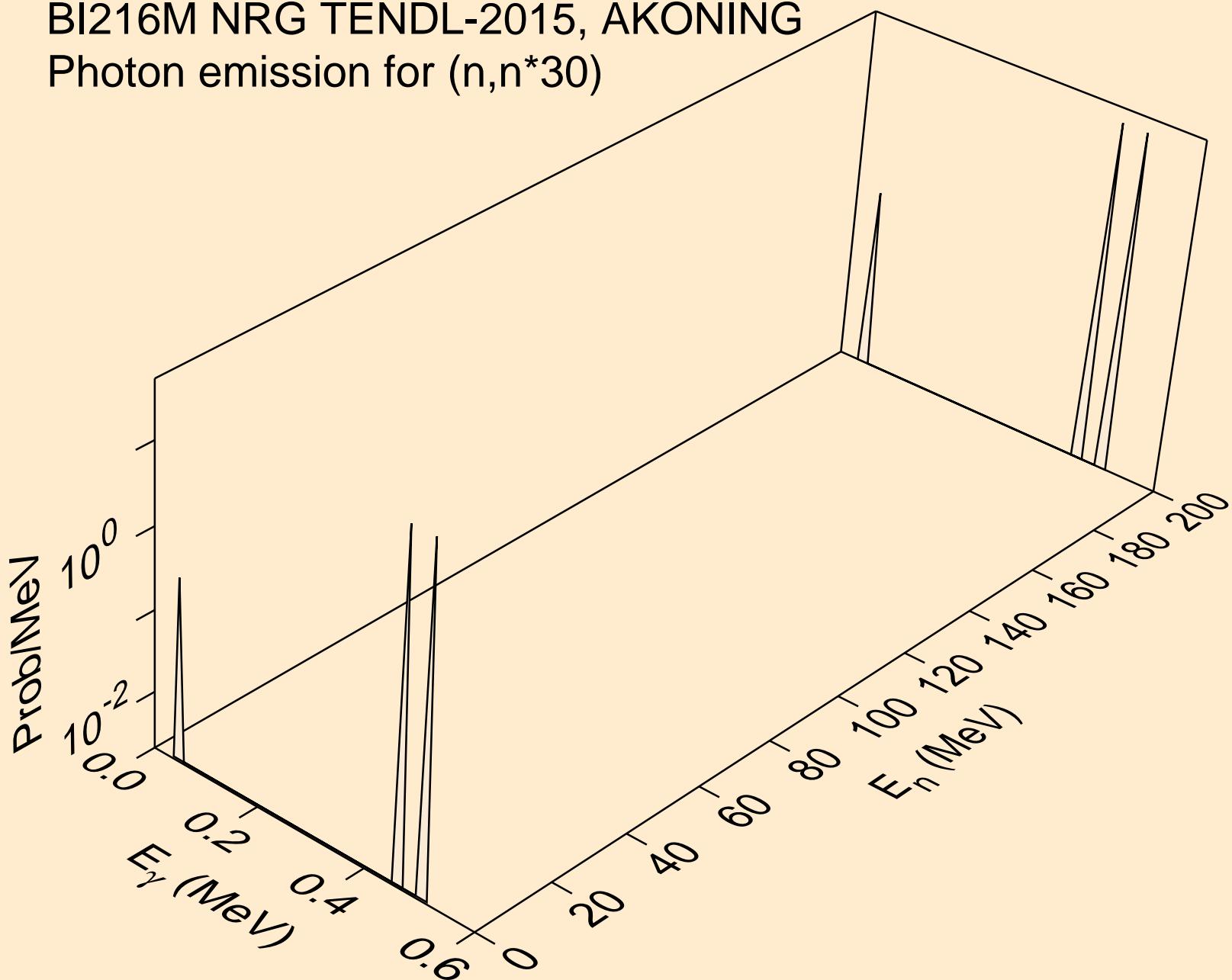
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Photon emission for (n,n\*28)



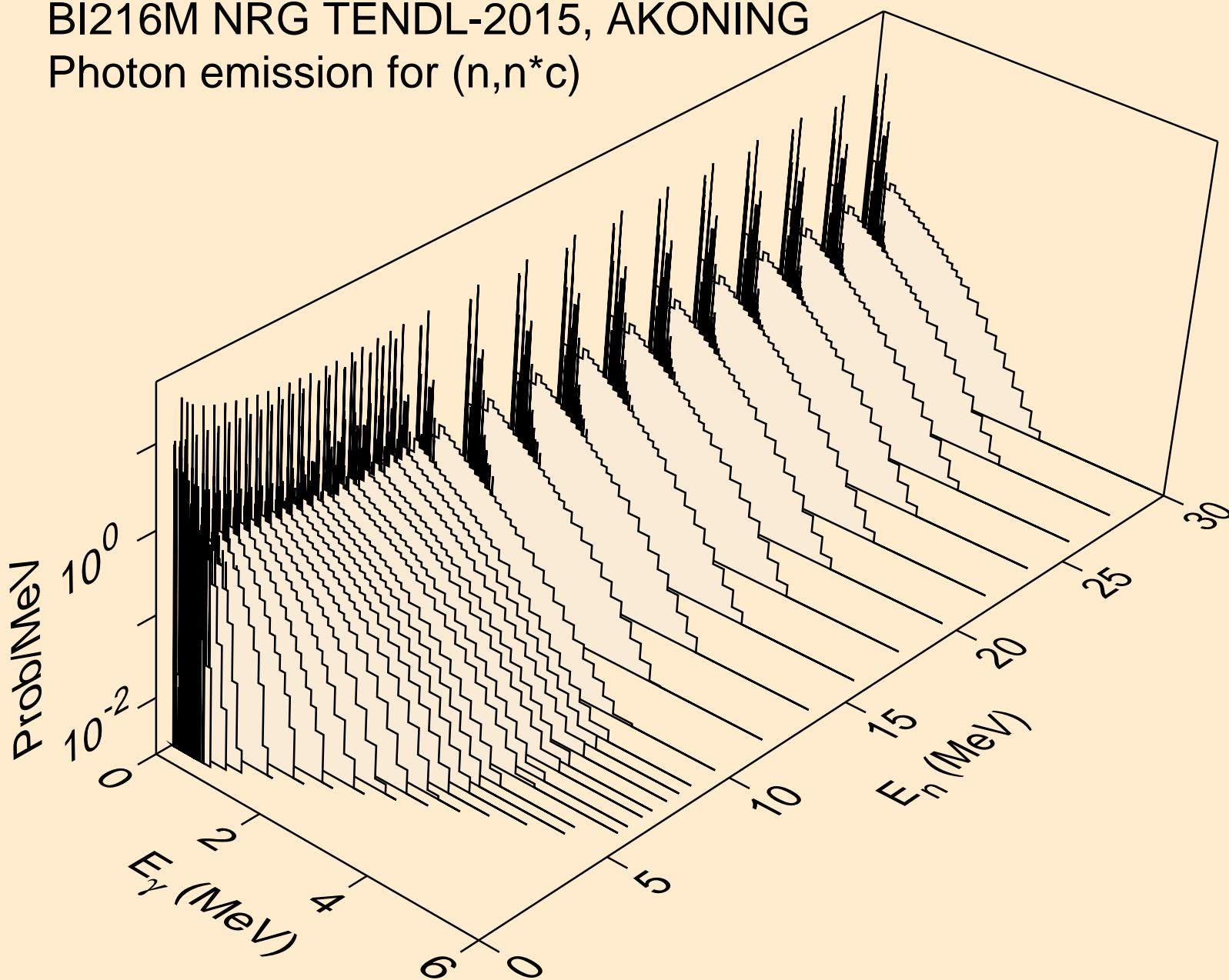
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Photon emission for (n,n\*29)



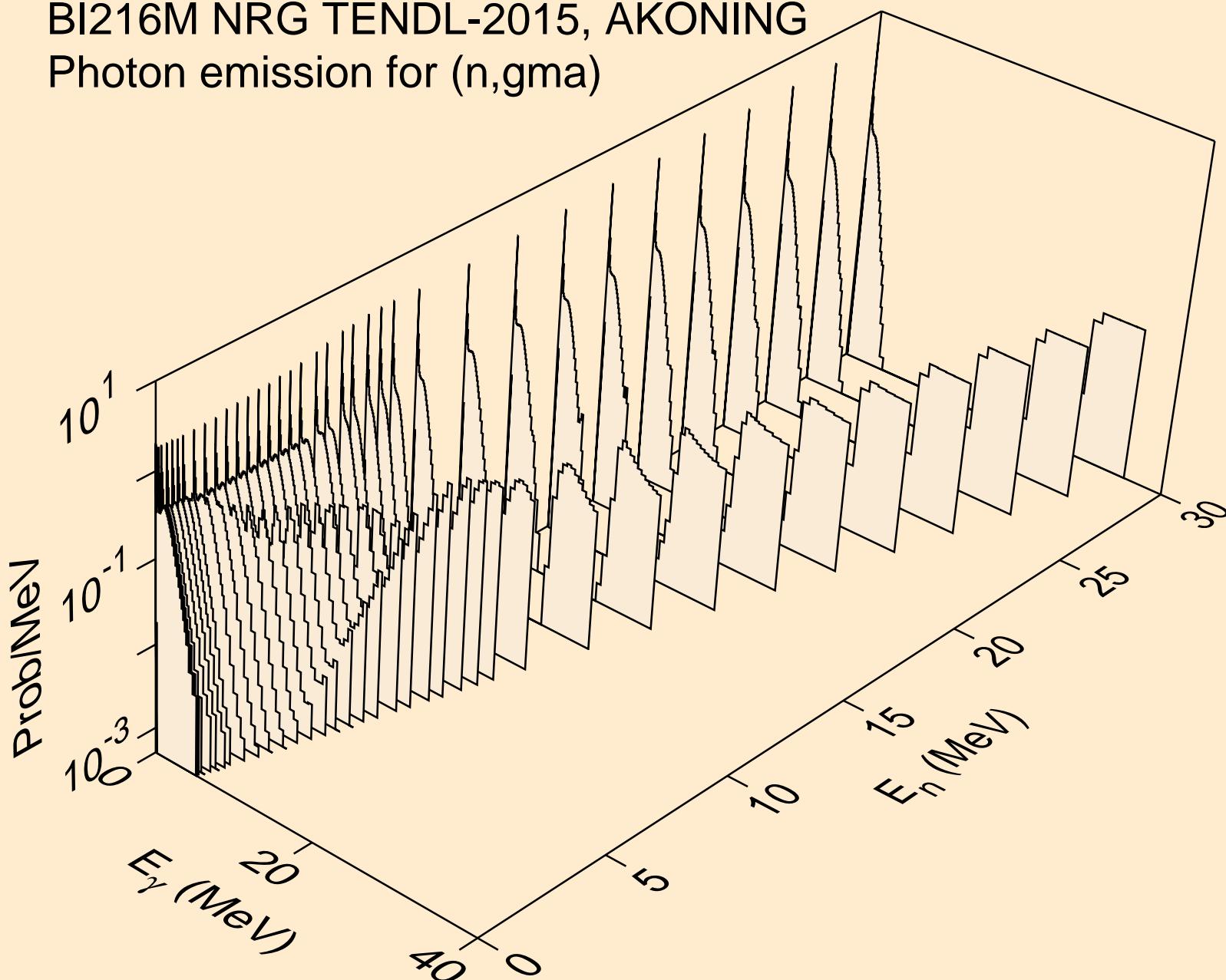
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Photon emission for (n,n\*30)



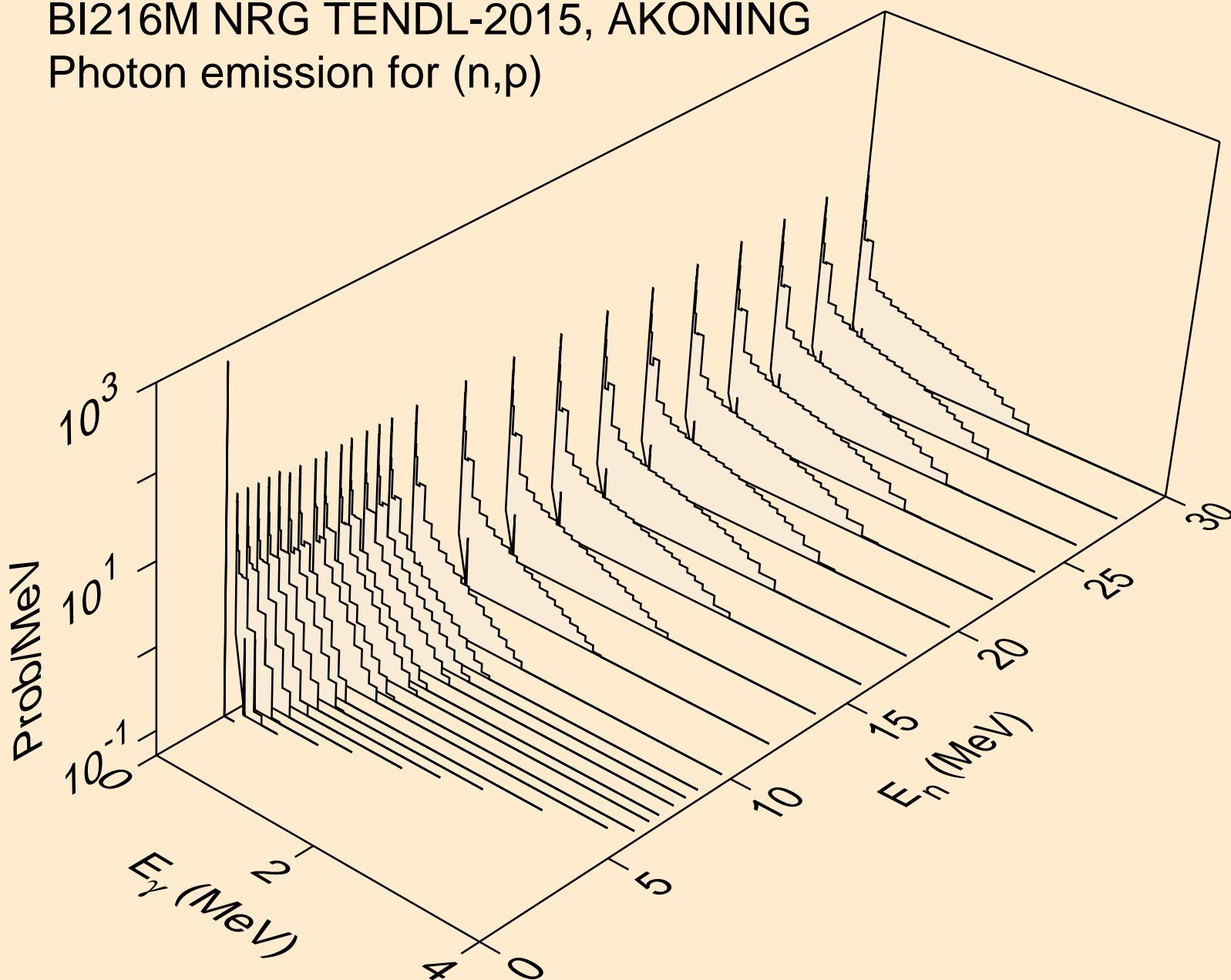
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Photon emission for (n,n\*c)



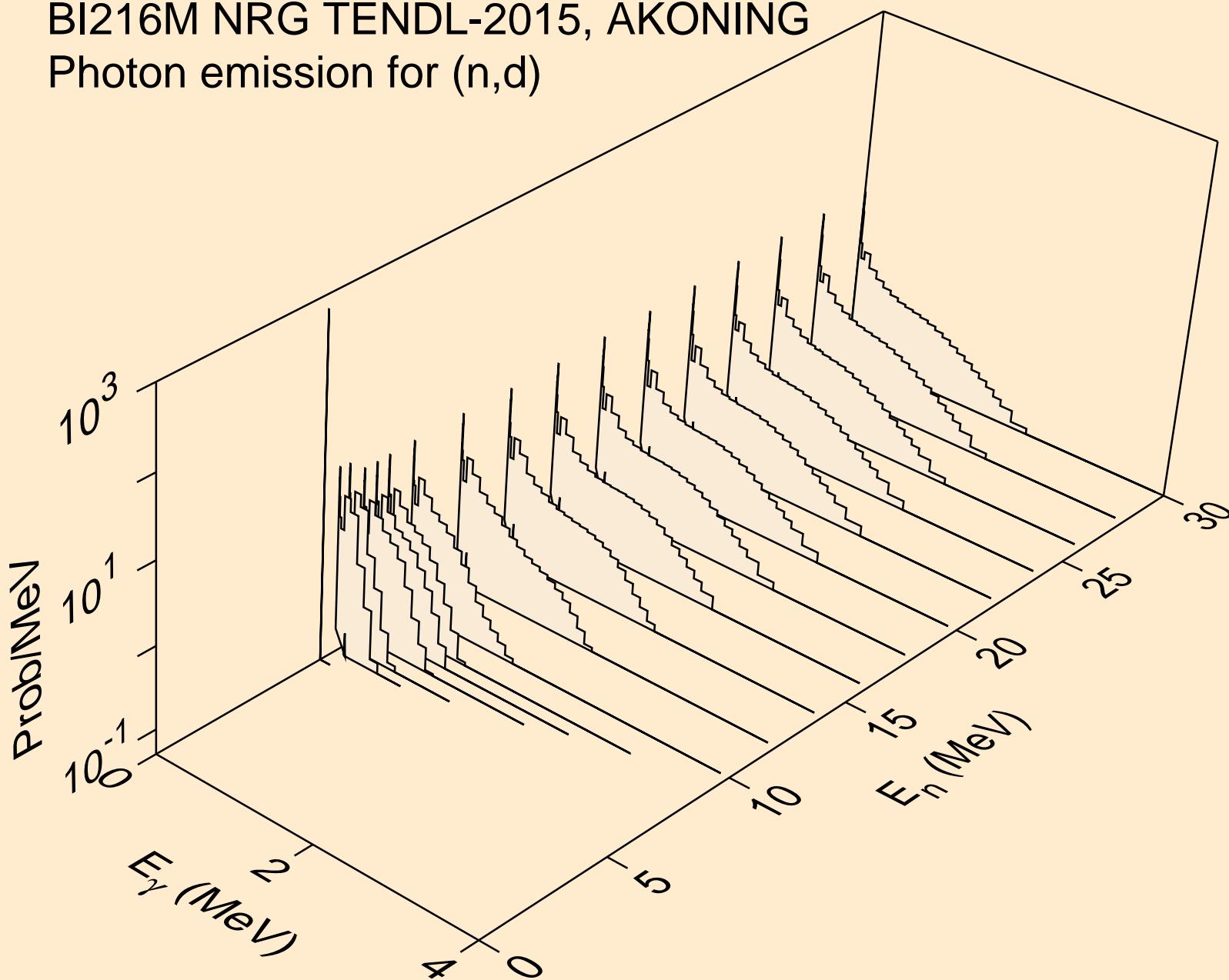
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Photon emission for (n,gma)



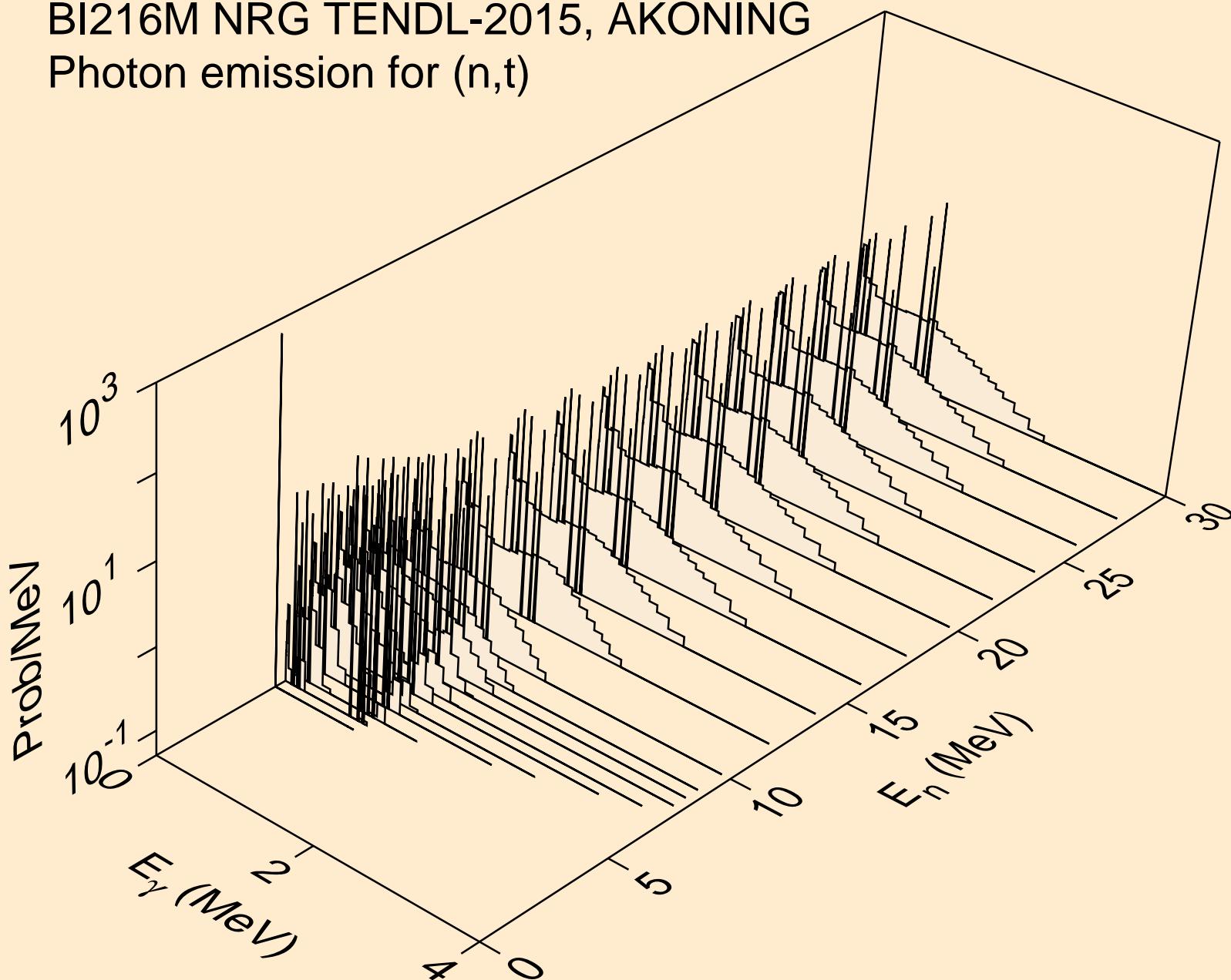
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Photon emission for (n,p)



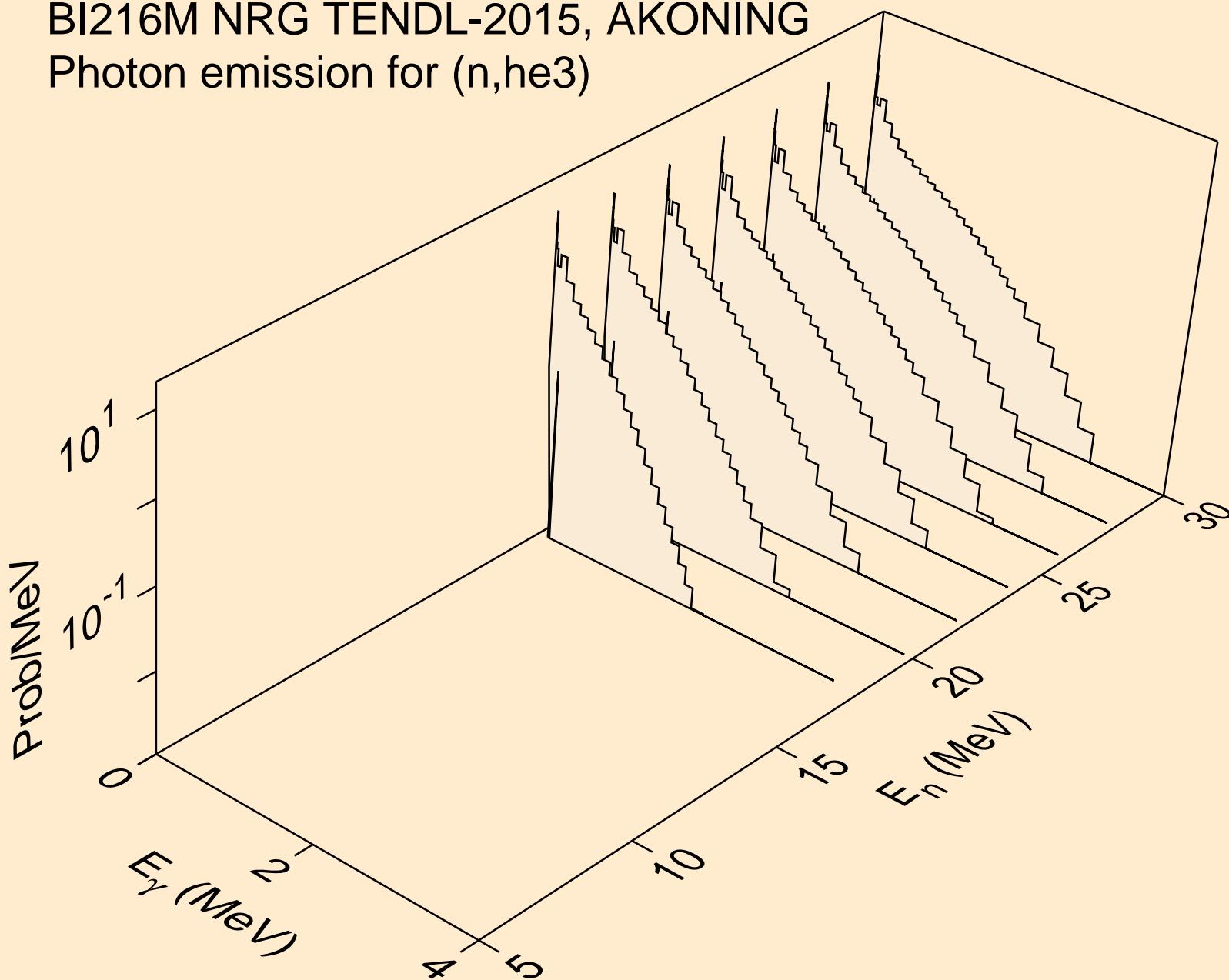
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Photon emission for (n,d)



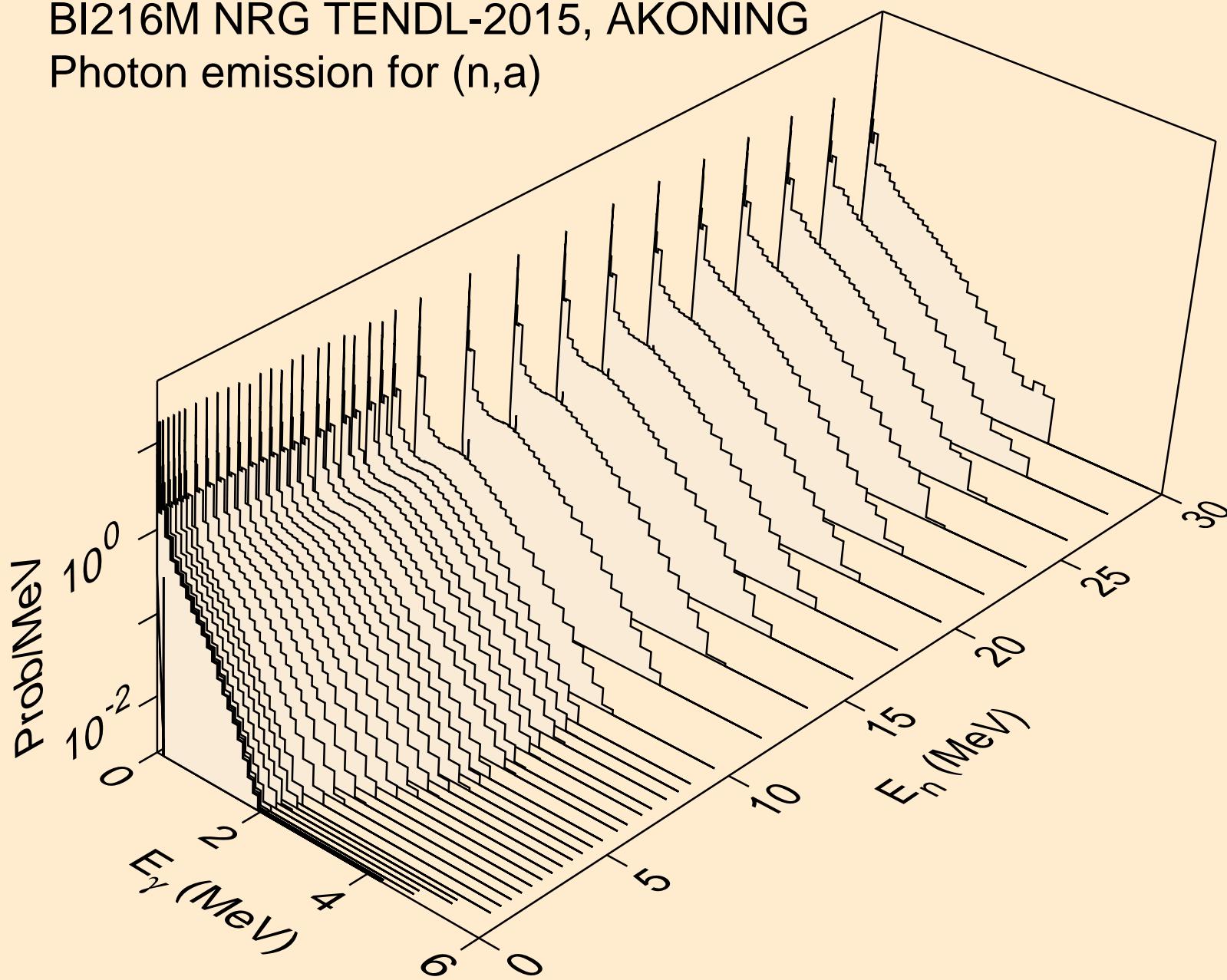
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Photon emission for (n,t)



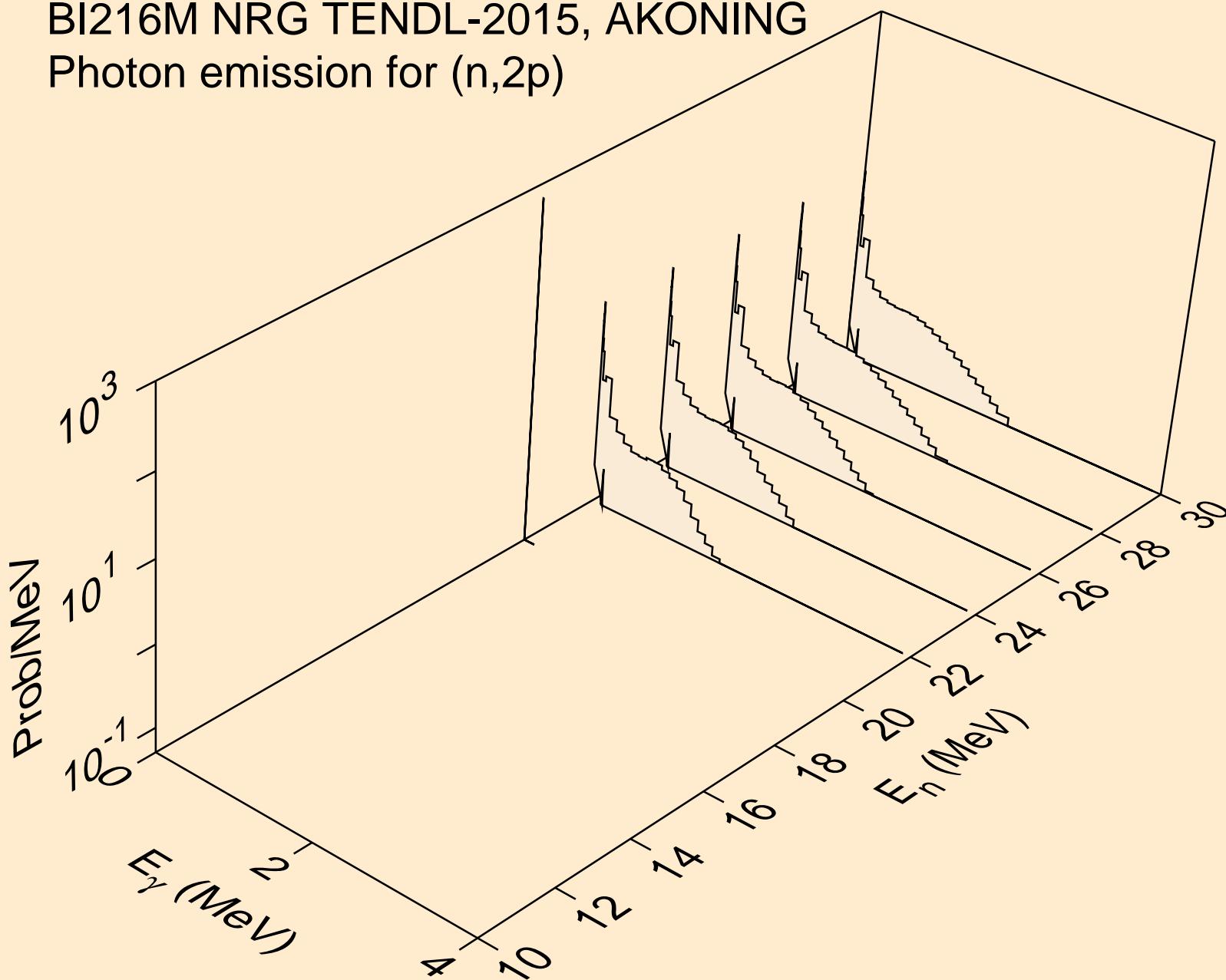
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Photon emission for (n,he3)



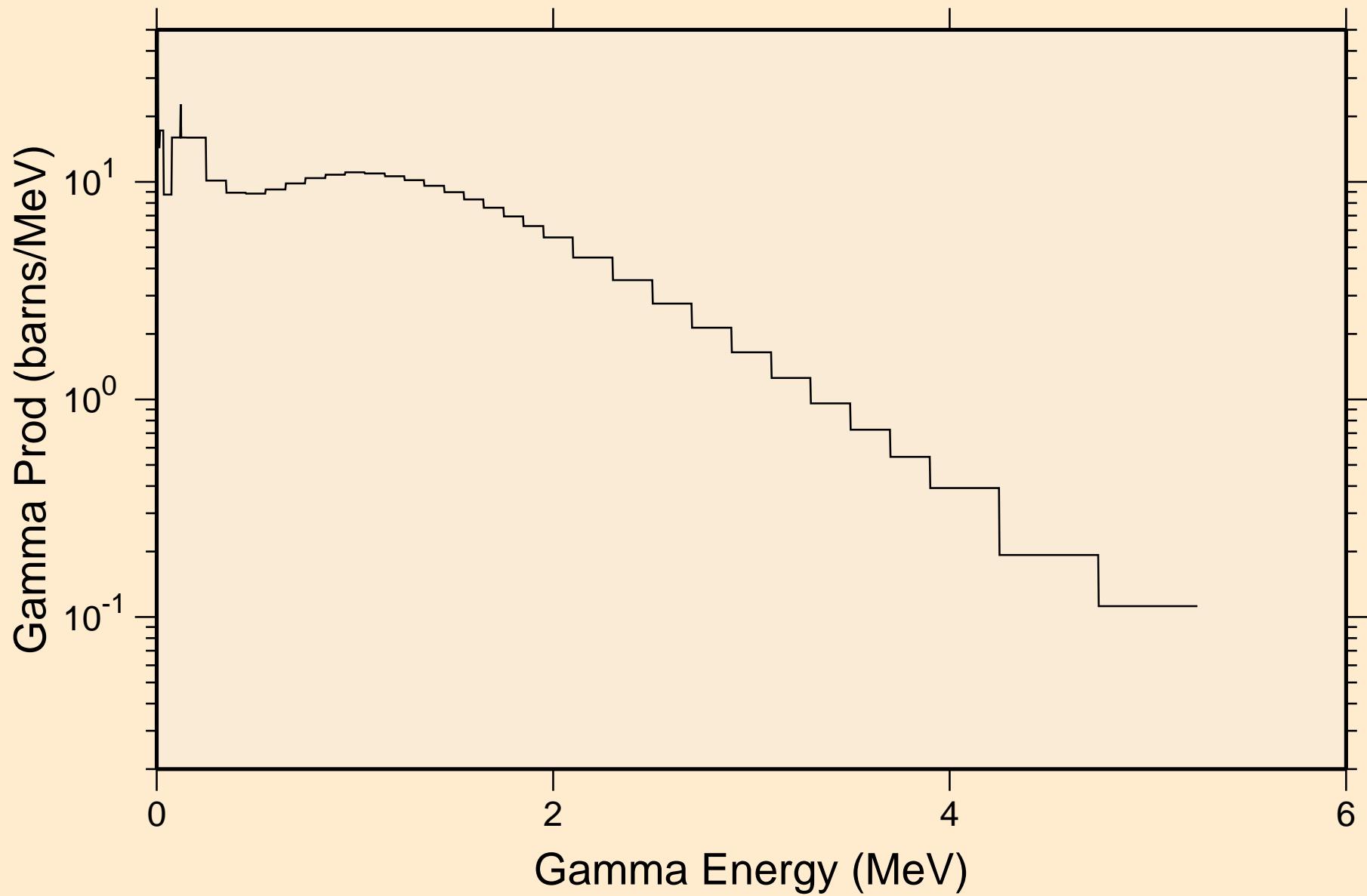
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Photon emission for (n,a)



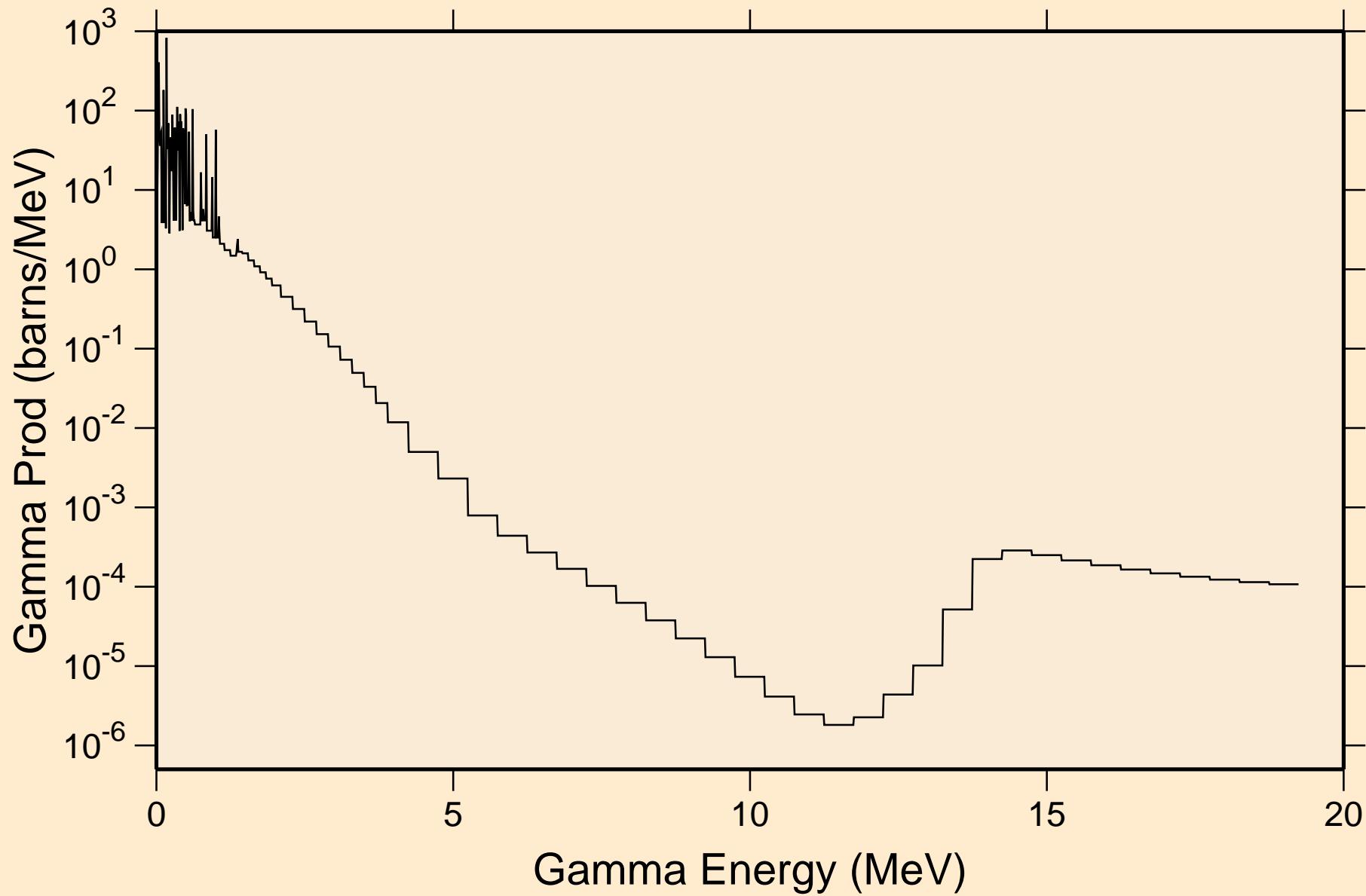
BI216M NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



BI216M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

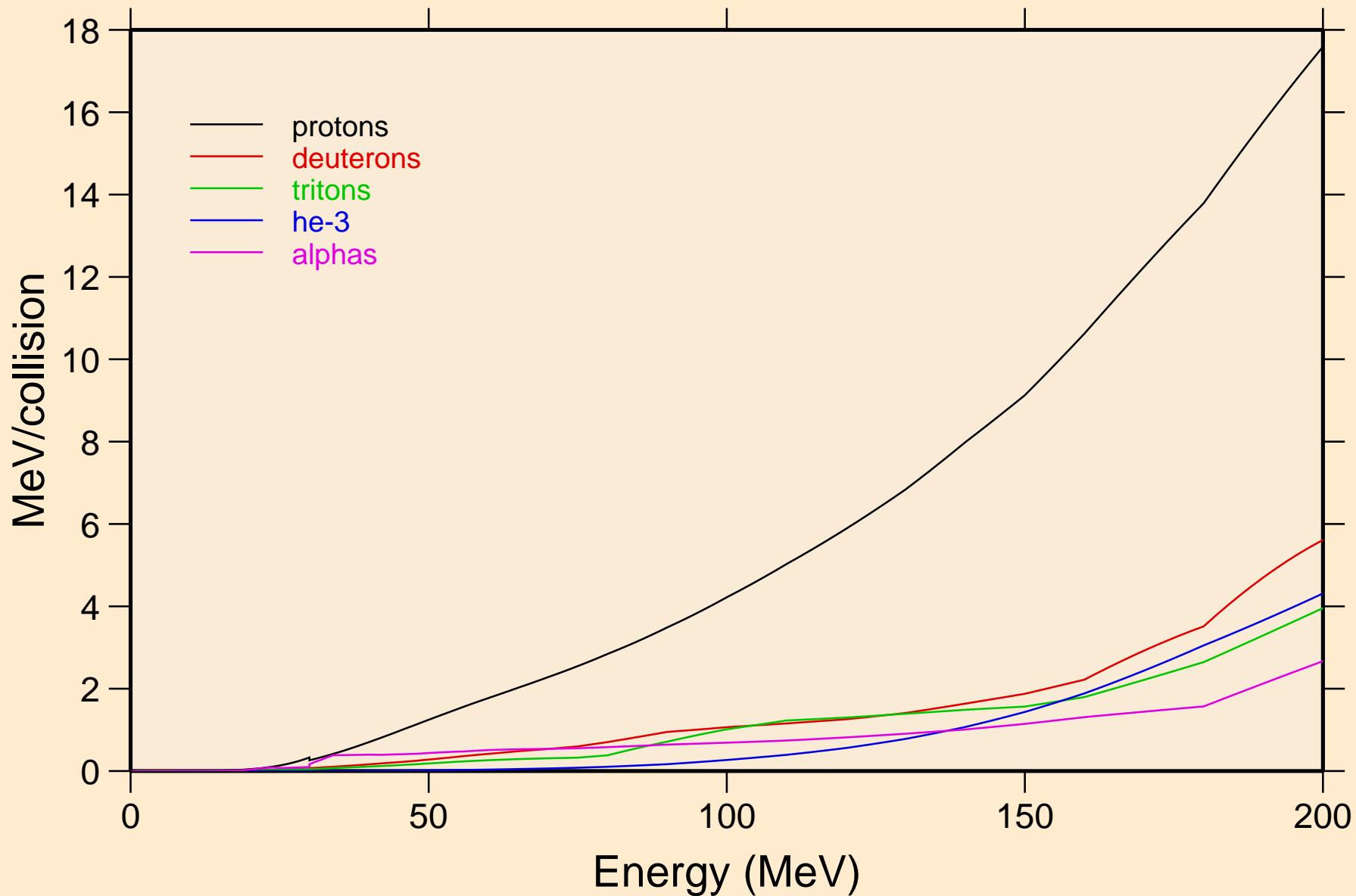


BI216M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



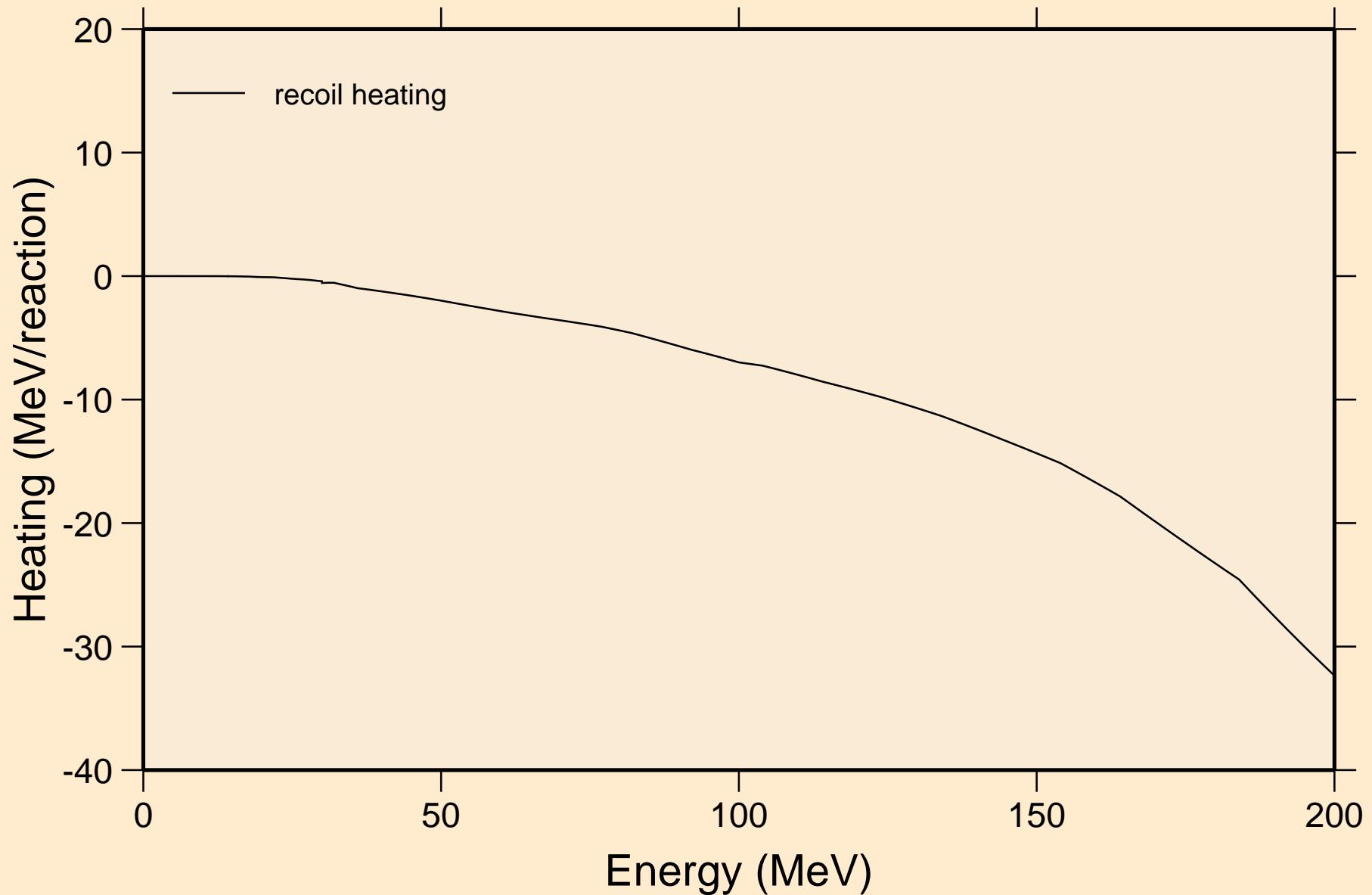
# BI216M NRG TENDL-2015, AKONING

## Particle heating contributions



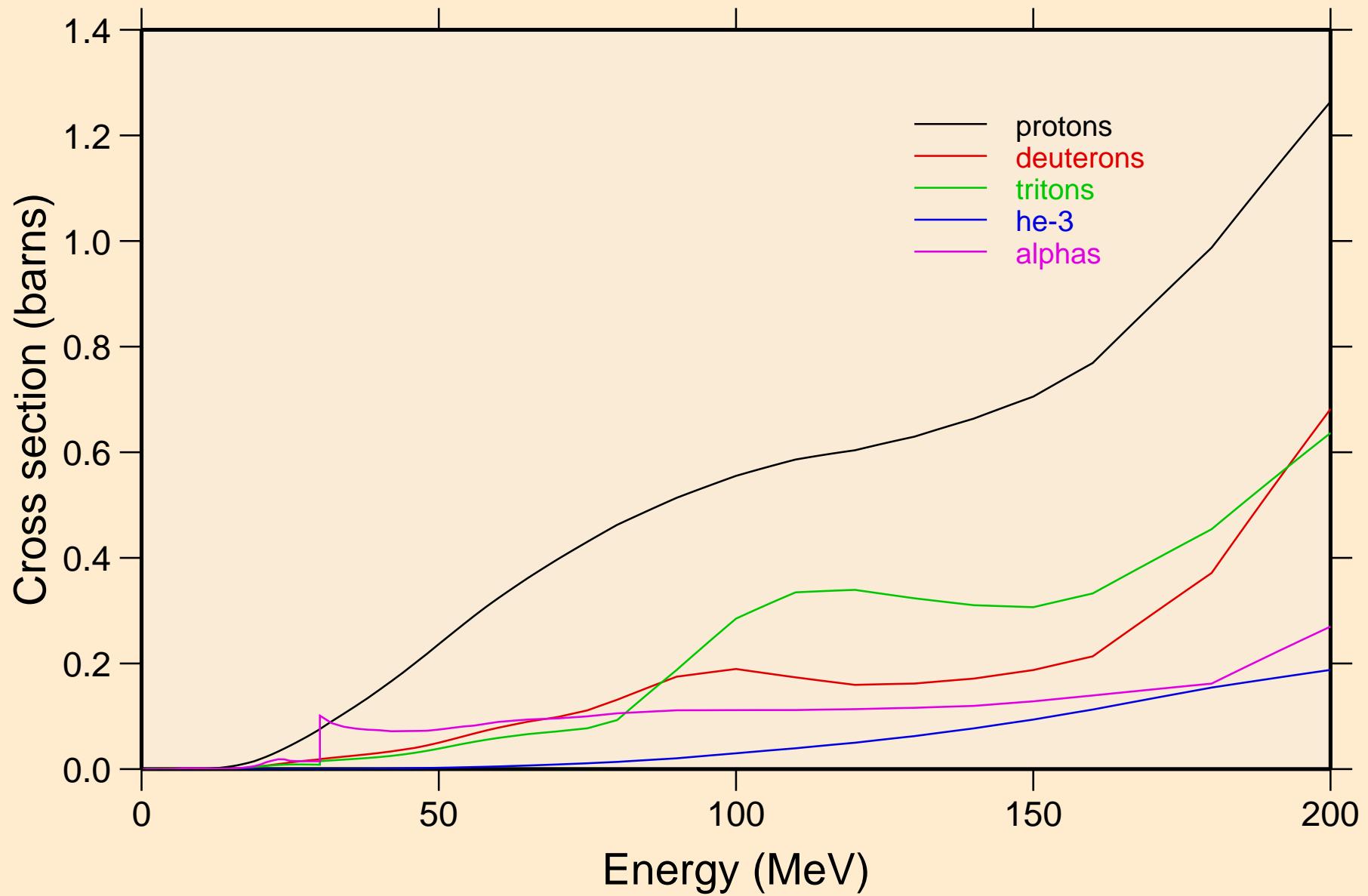
# BI216M NRG TENDL-2015, AKONING

## Recoil Heating

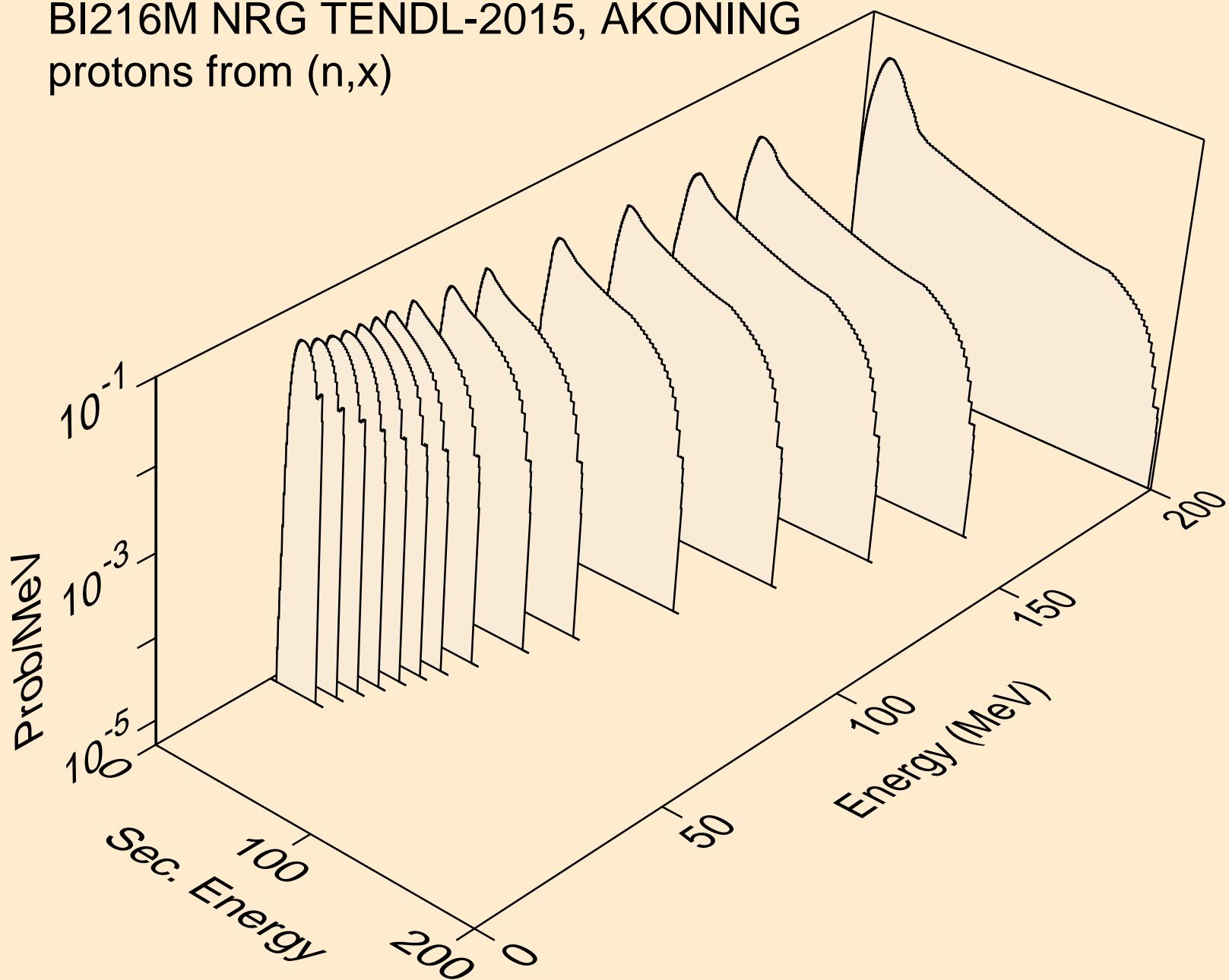


# BI216M NRG TENDL-2015, AKONING

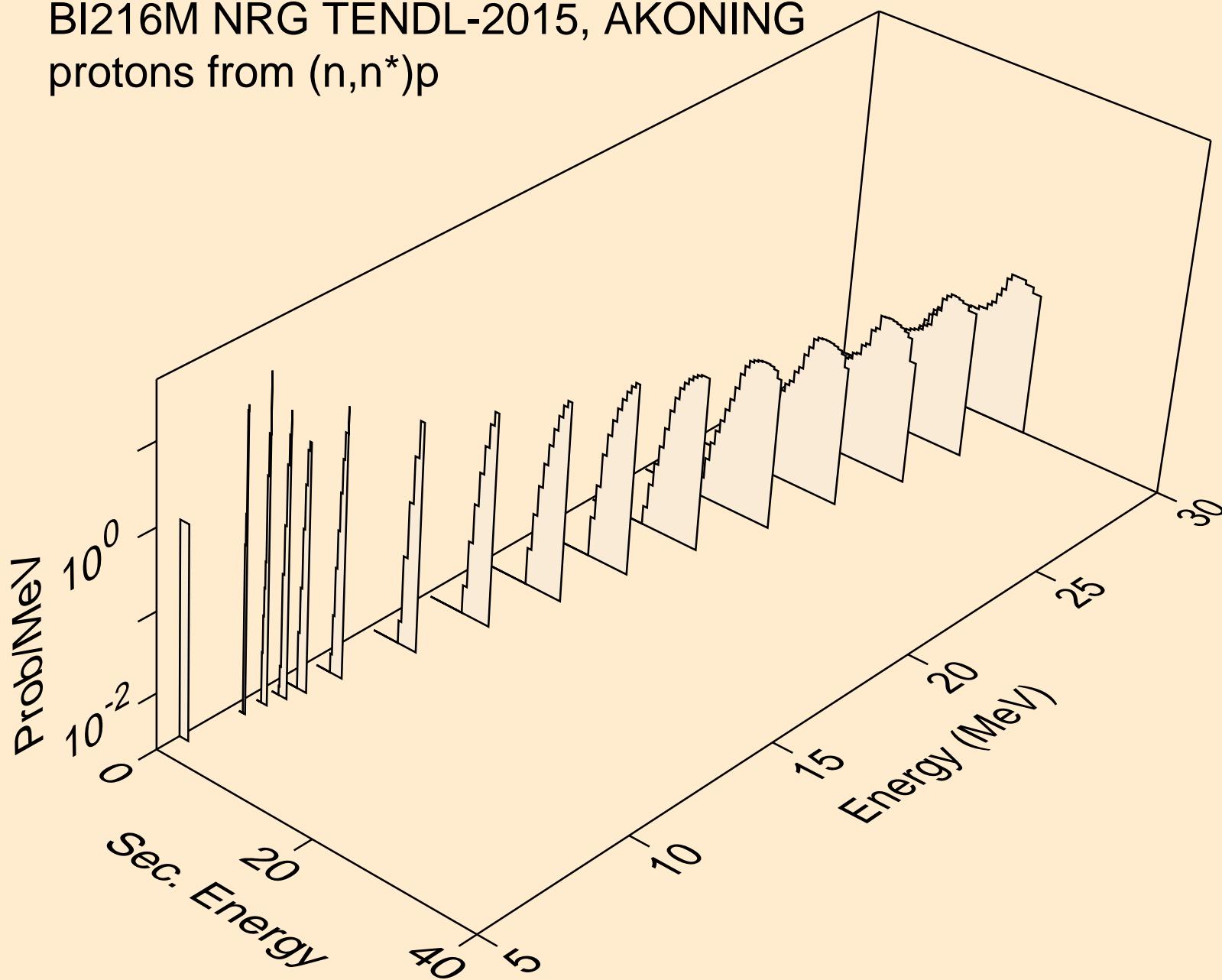
## Particle production cross sections



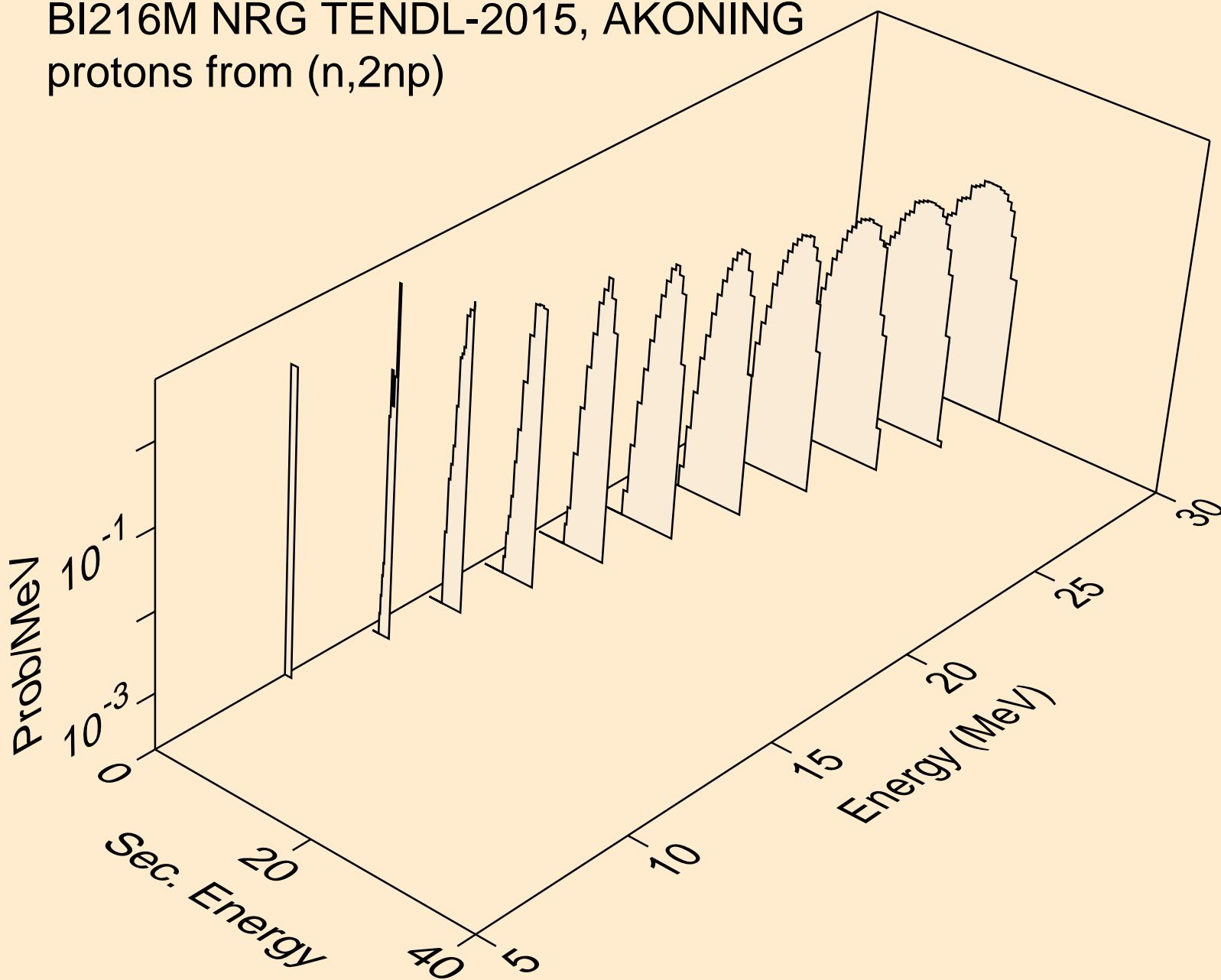
BI216M NRG TENDL-2015, AKONING  
protons from (n,x)



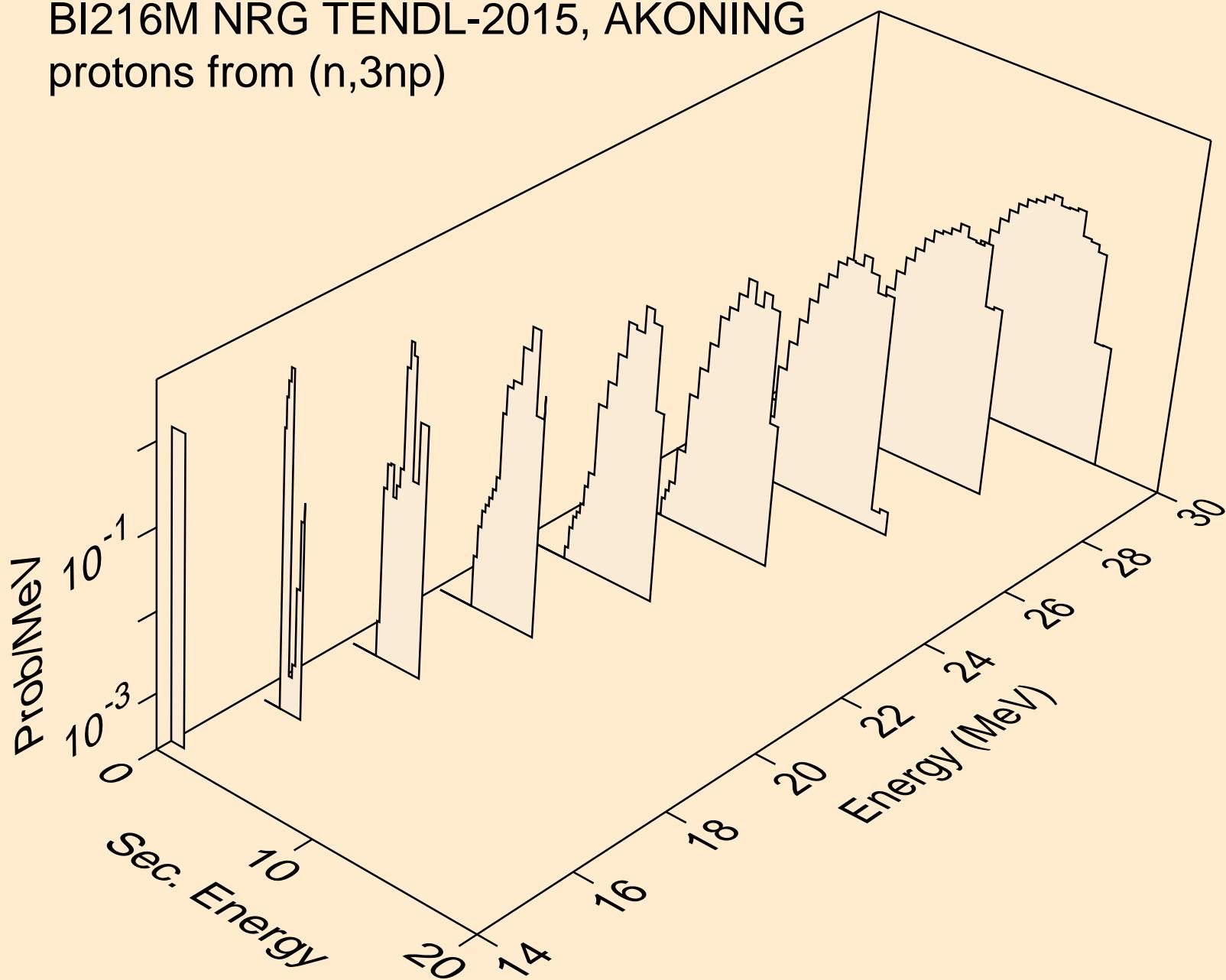
BI216M NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



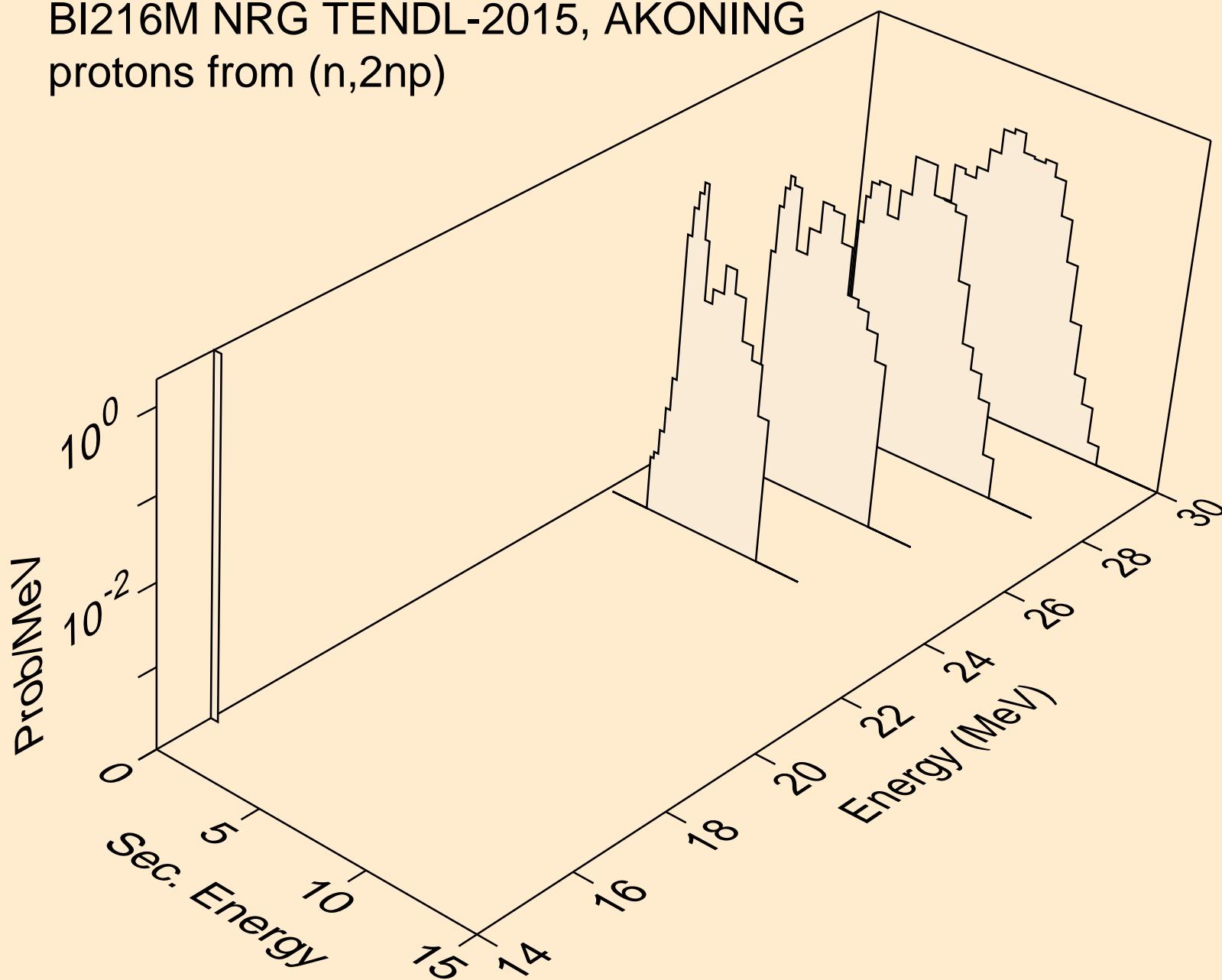
BI216M NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



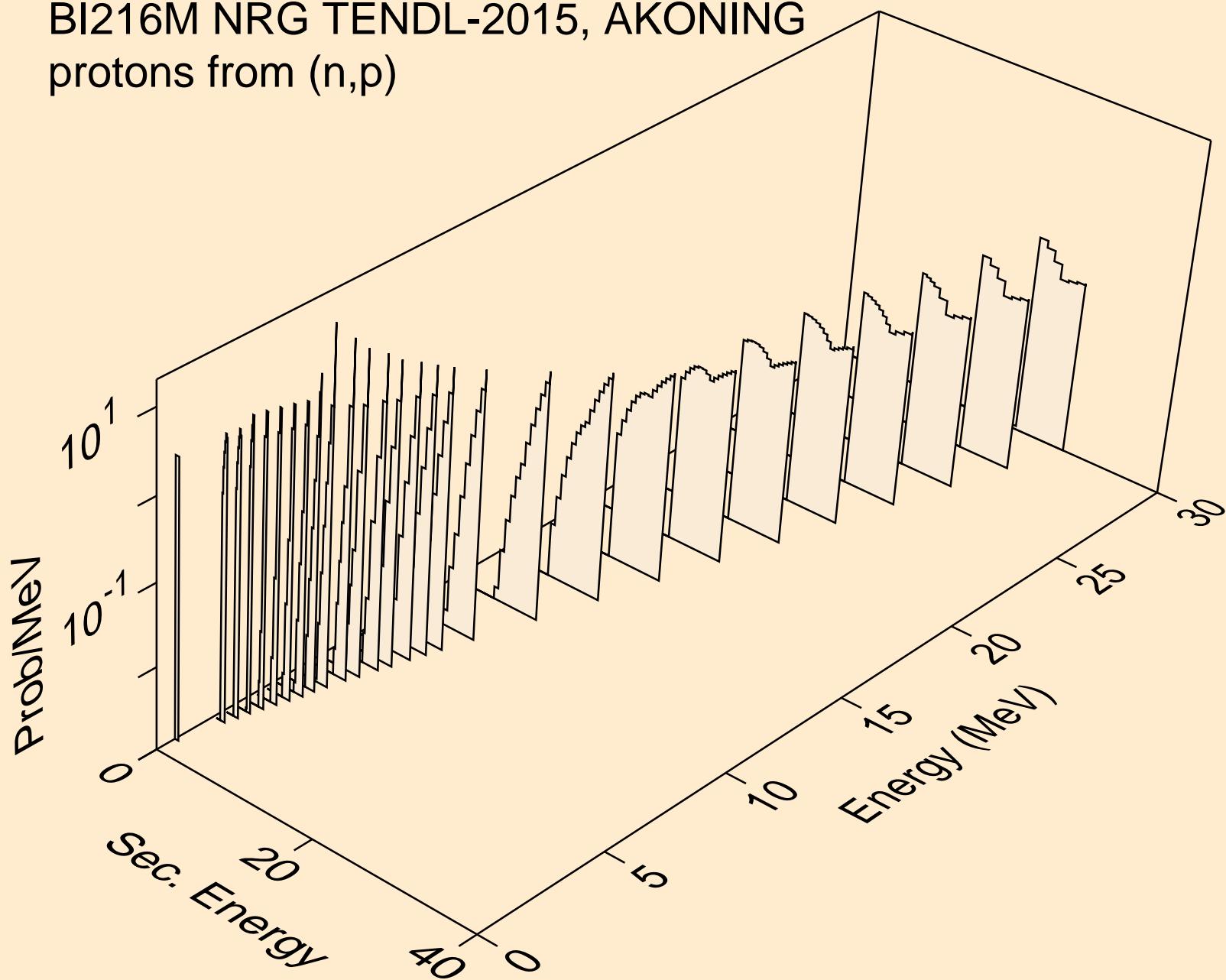
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protons from ( $n,3np$ )



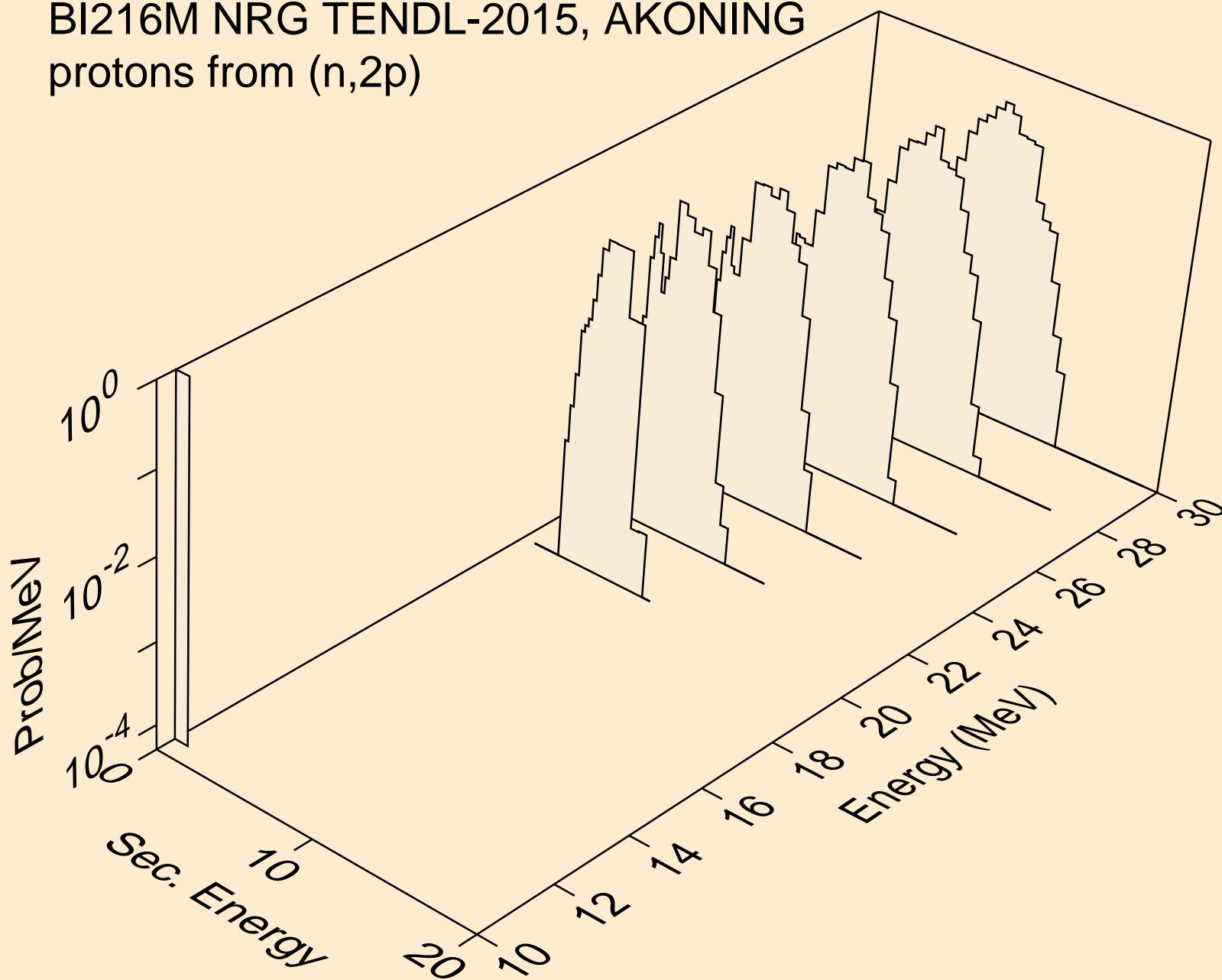
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protons from ( $n,2np$ )



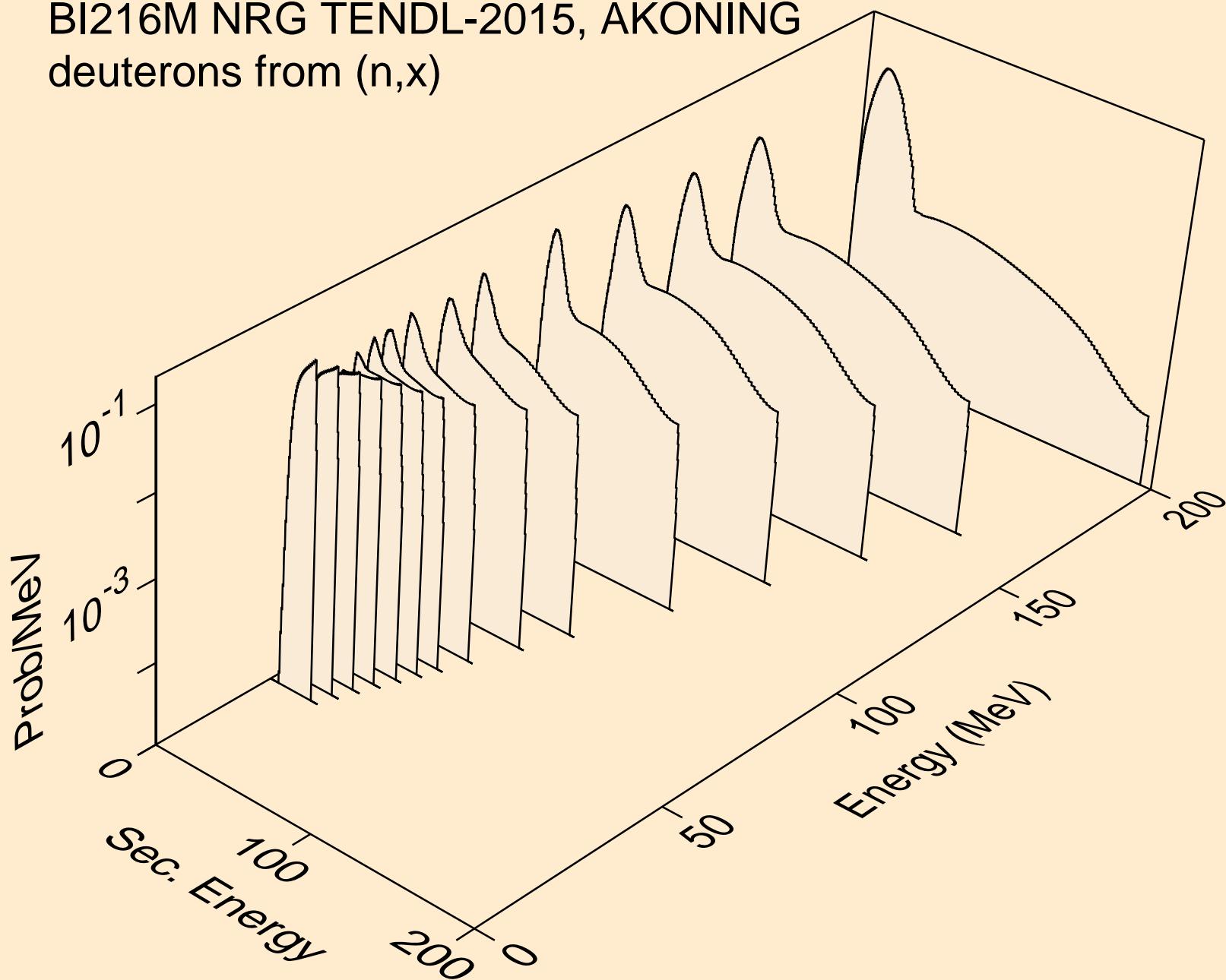
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protons from (n,p)



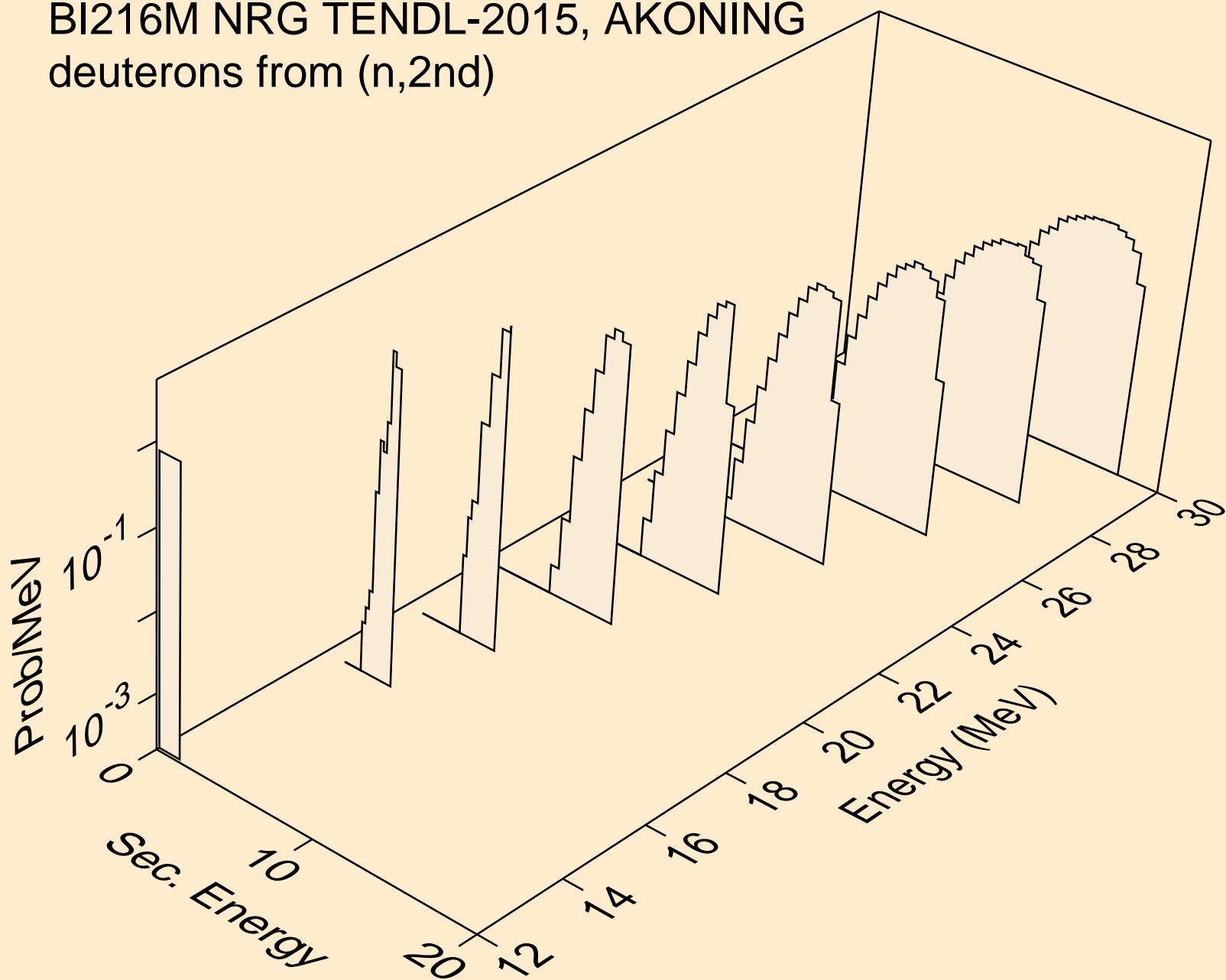
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protons from ( $n,2p$ )



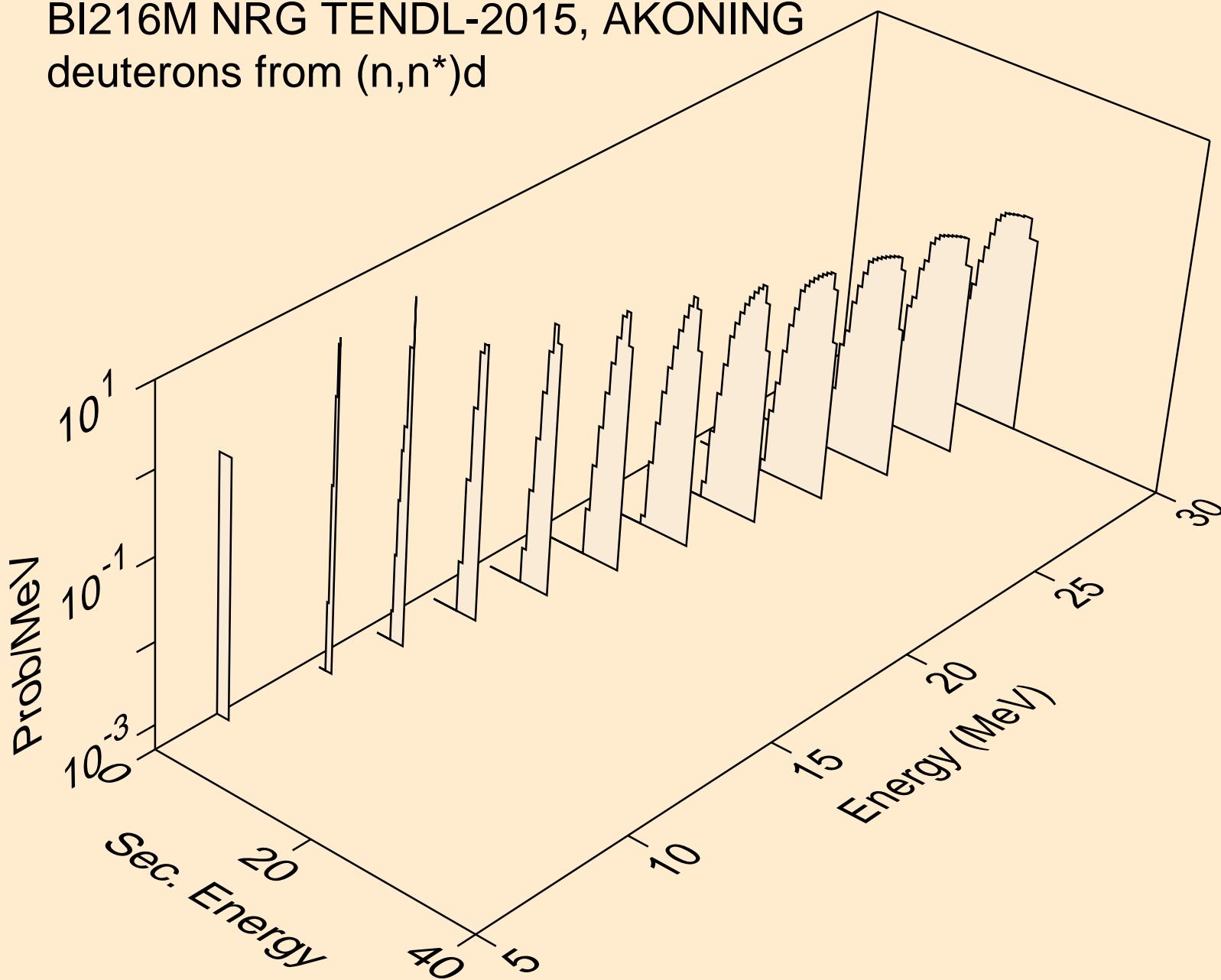
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deuterons from ( $n, x$ )



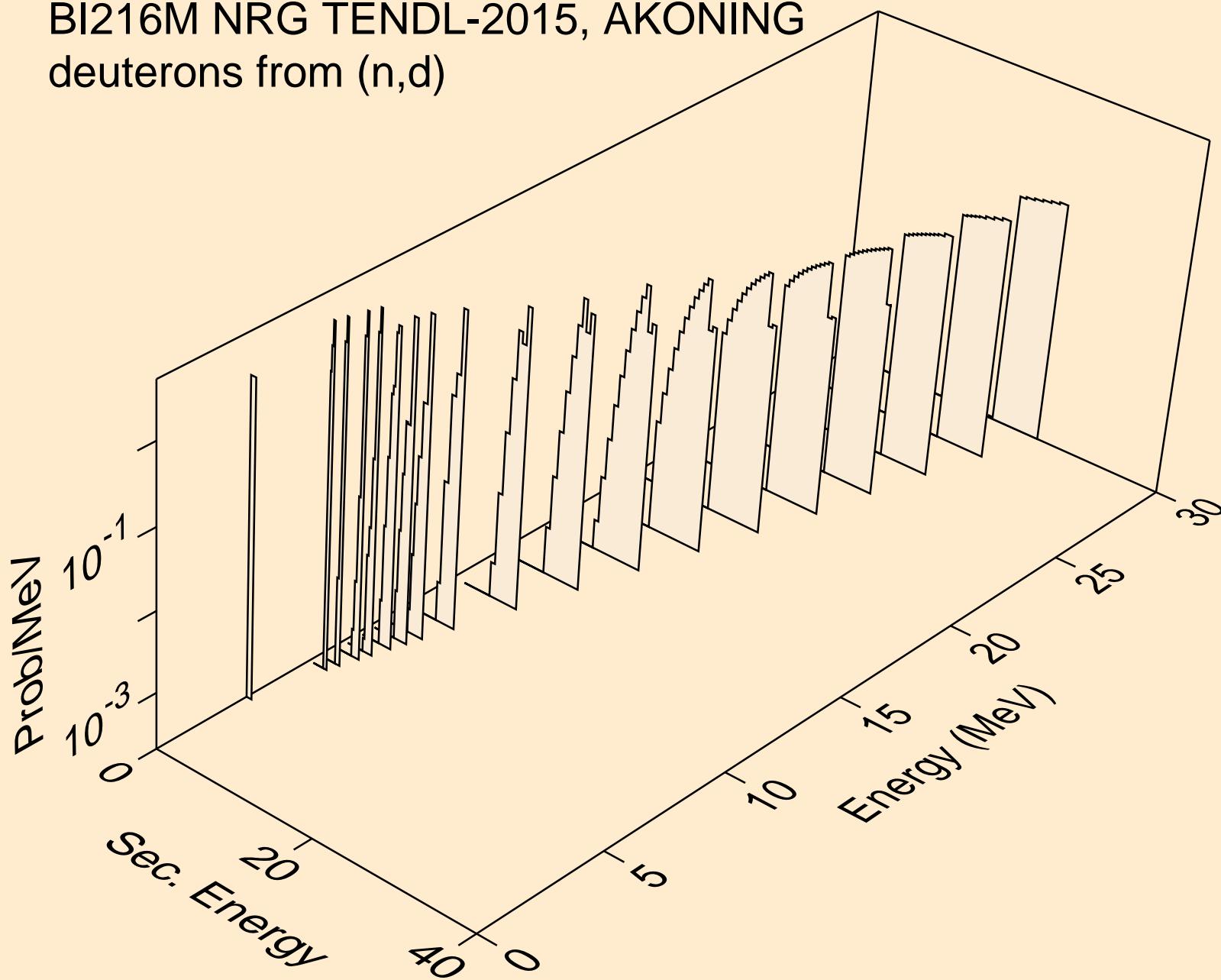
BI216M NRG TENDL-2015, AKONING  
deuterons from ( $n,2\text{nd}$ )



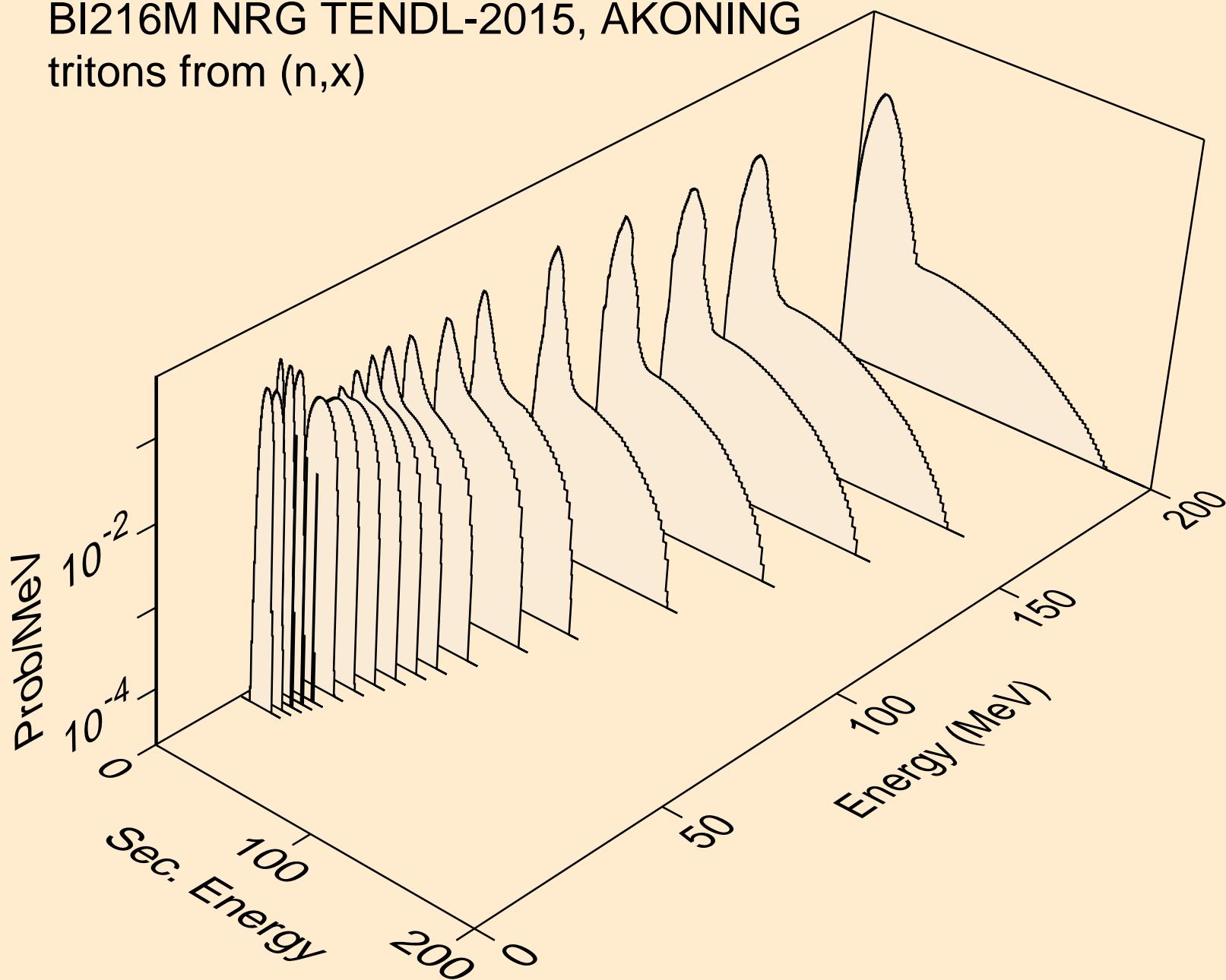
BI216M NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d$



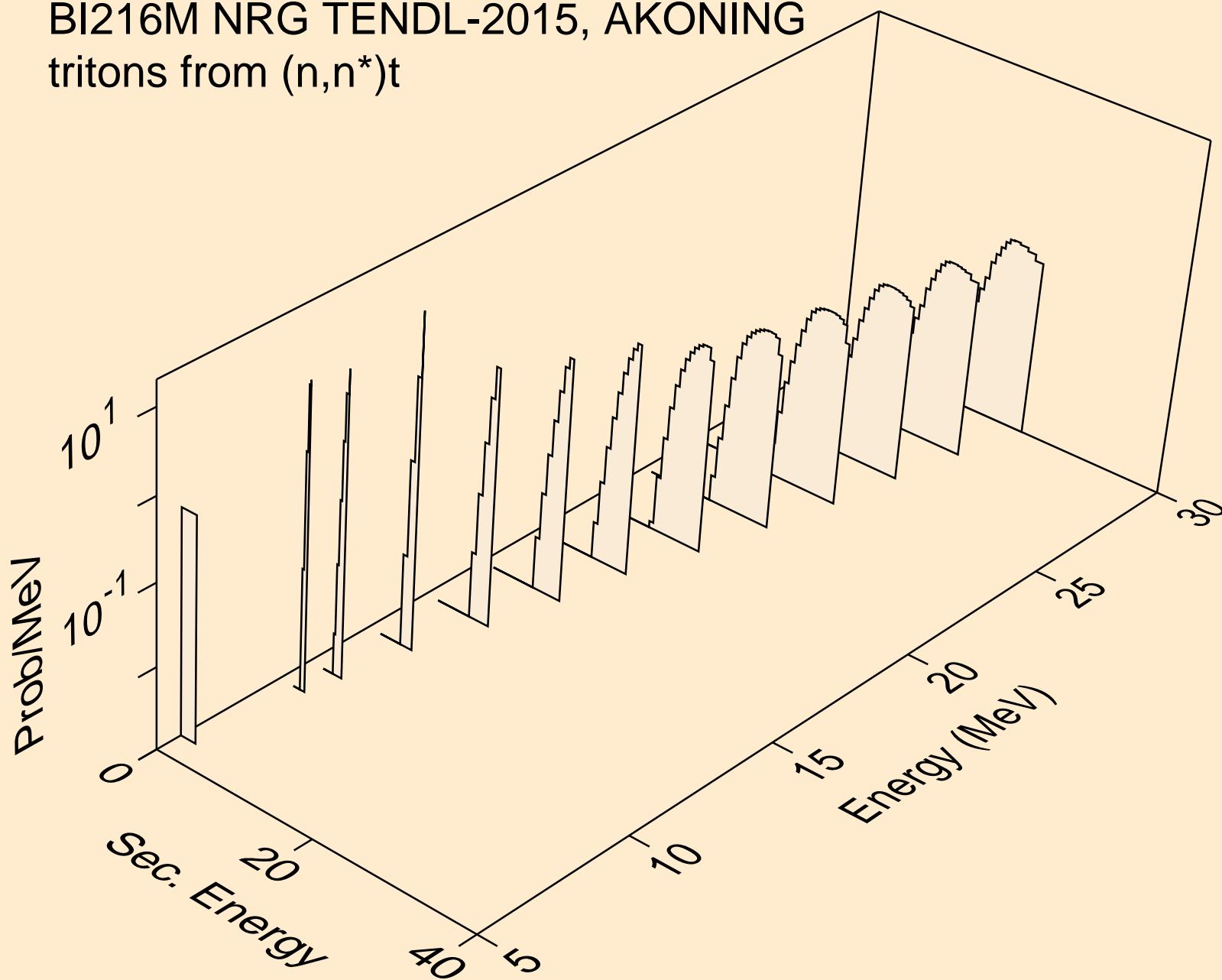
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deuterons from ( $n, d$ )



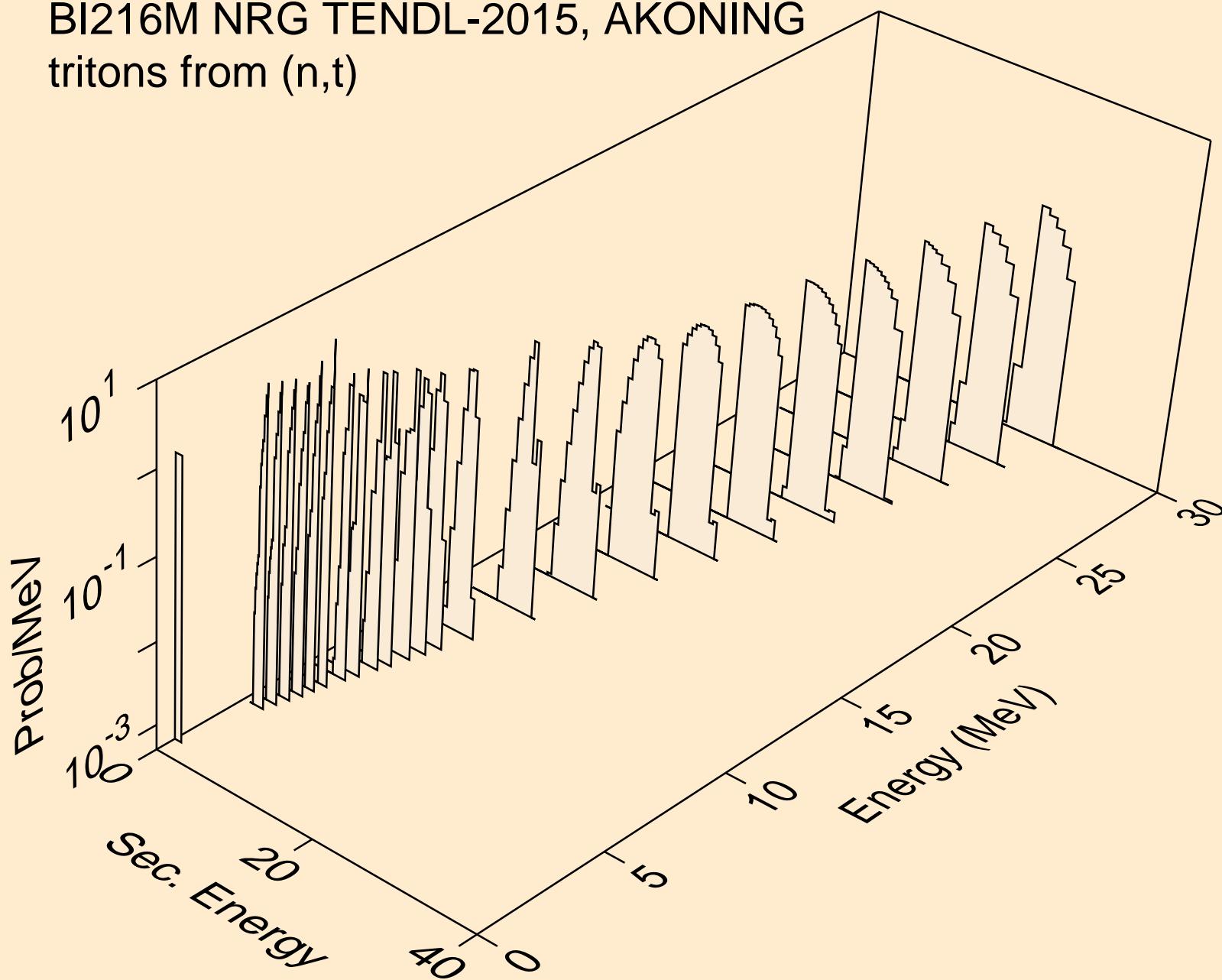
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tritons from ( $n,x$ )



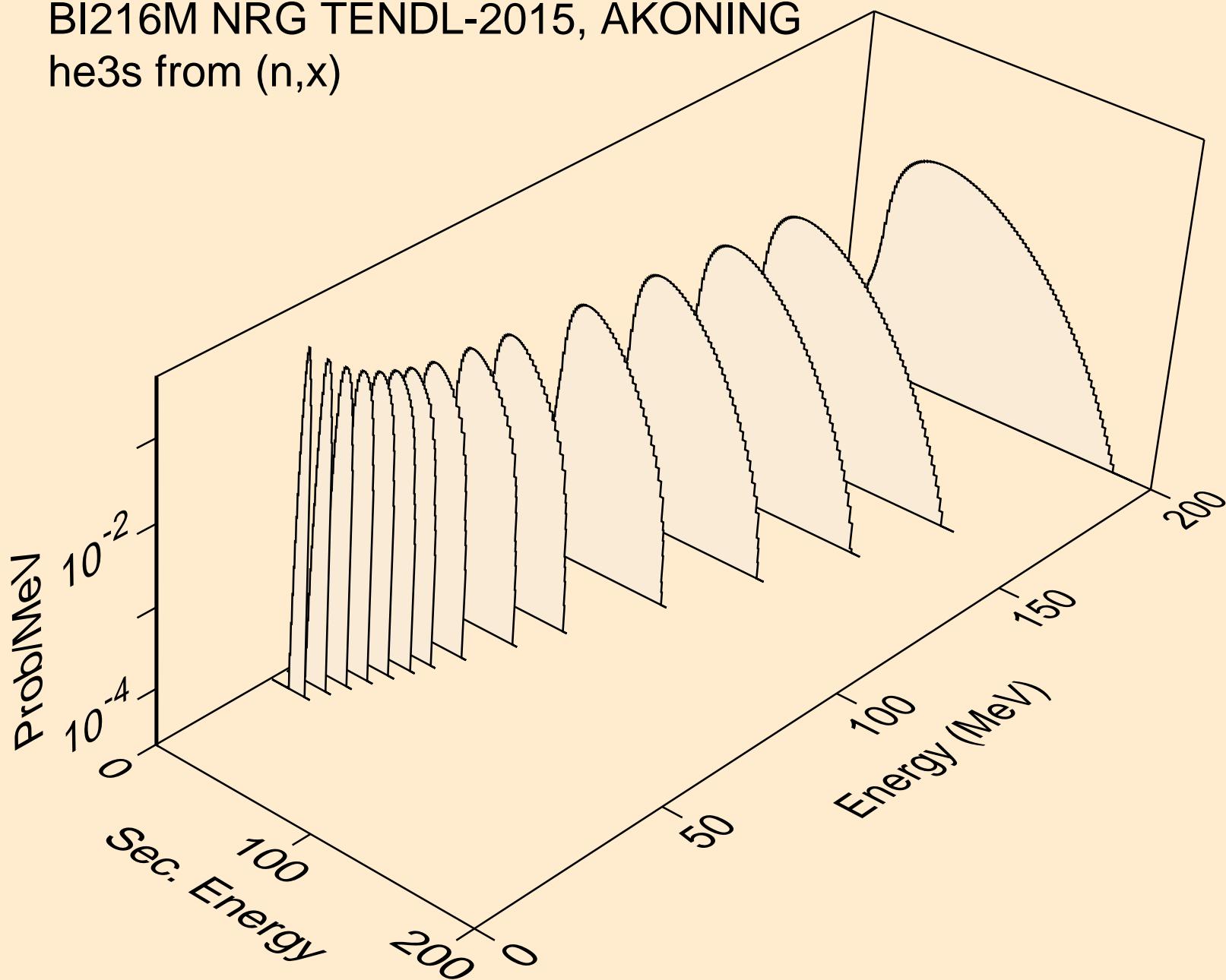
BI216M NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



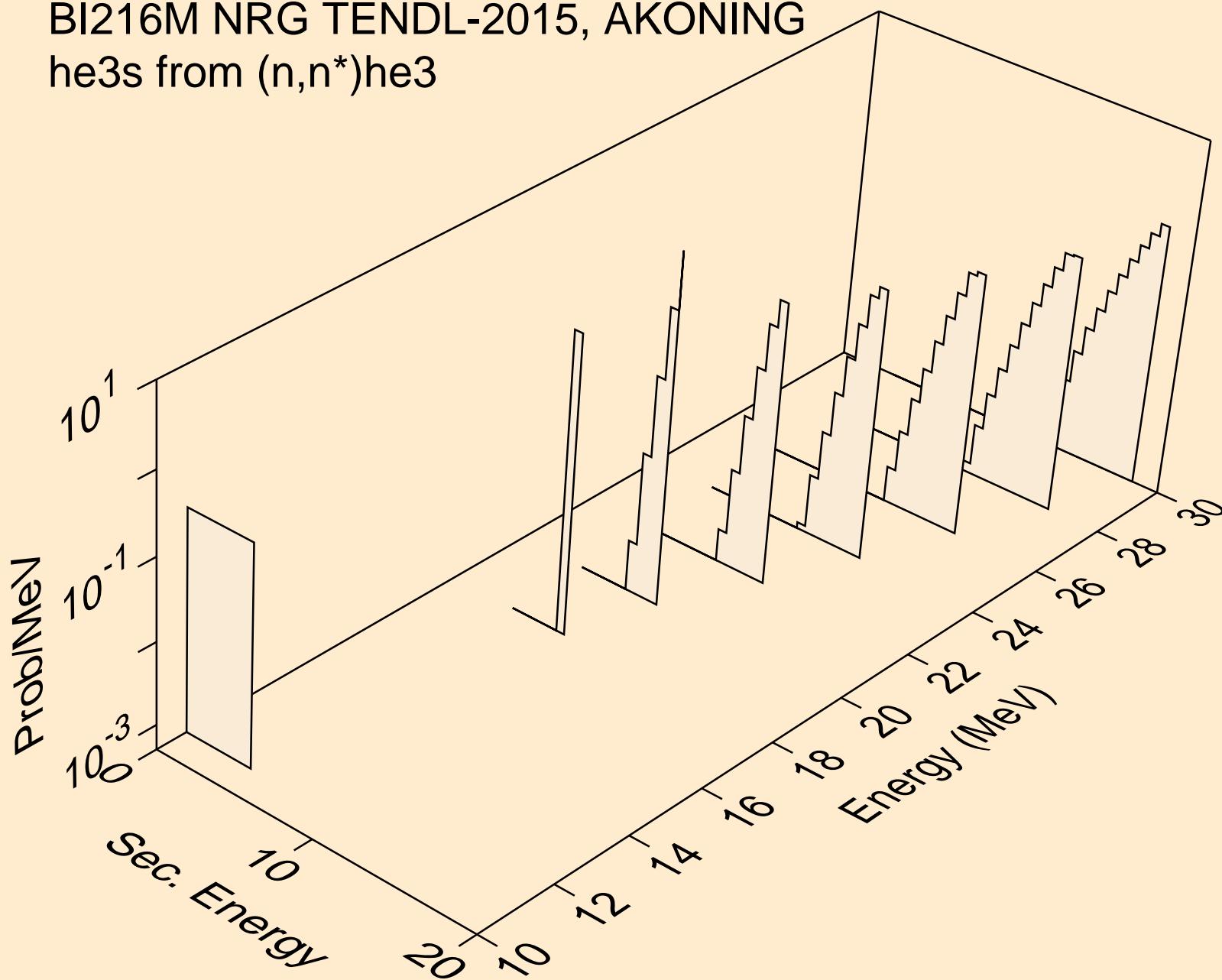
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tritons from (n,t)



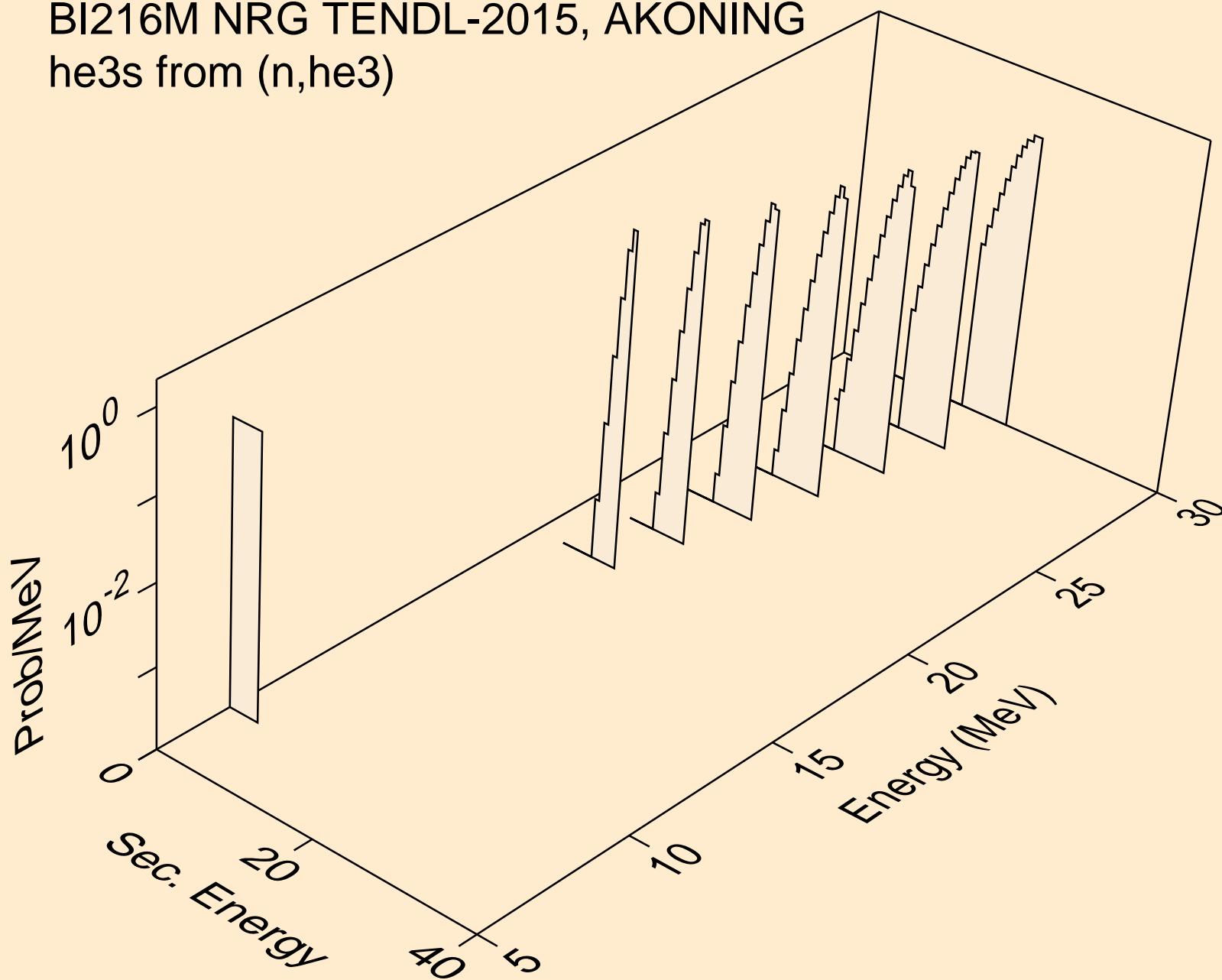
BI216M NRG TENDL-2015, AKONING  
he3s from (n,x)



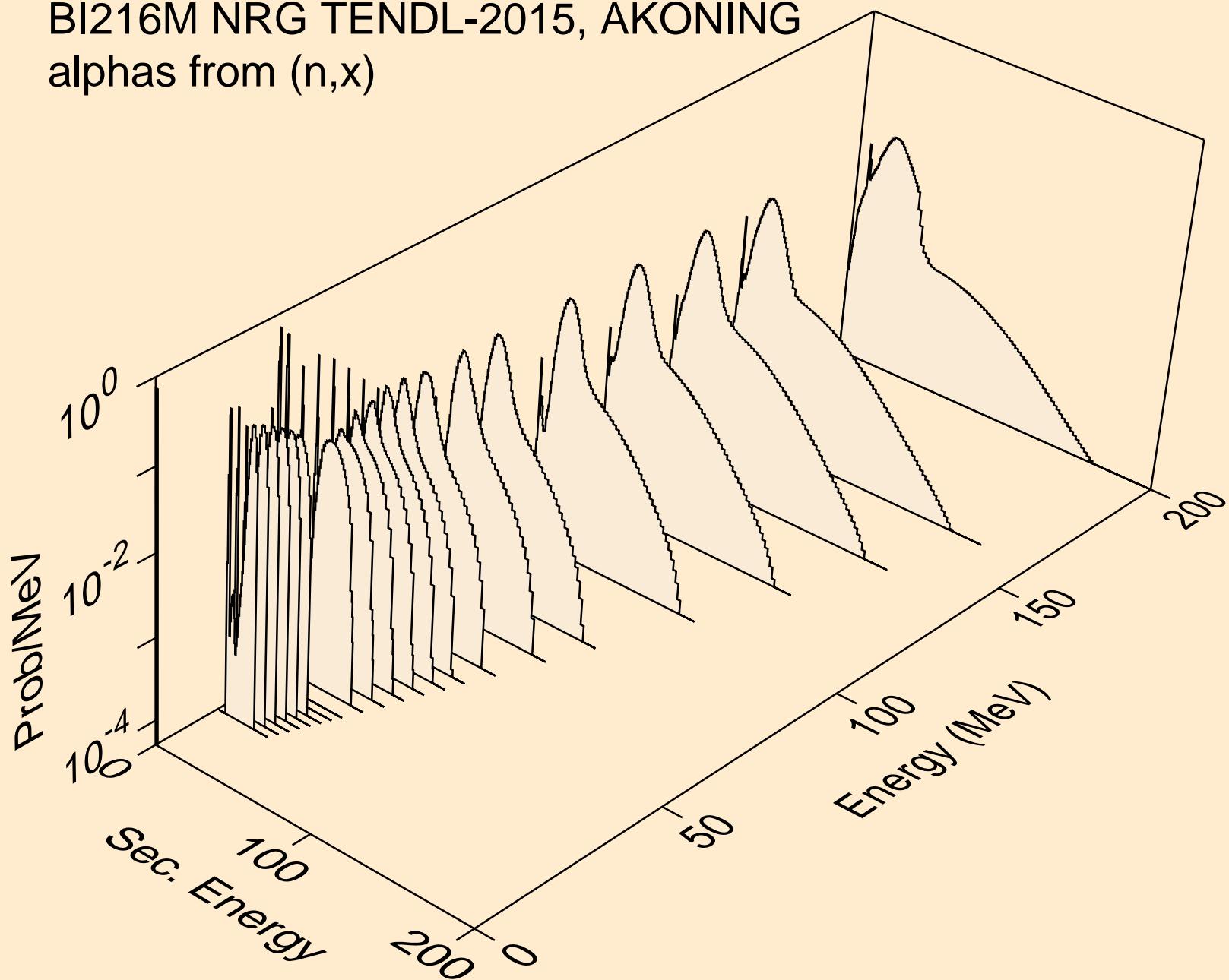
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he3s from  $(n,n^*)\text{he3}$



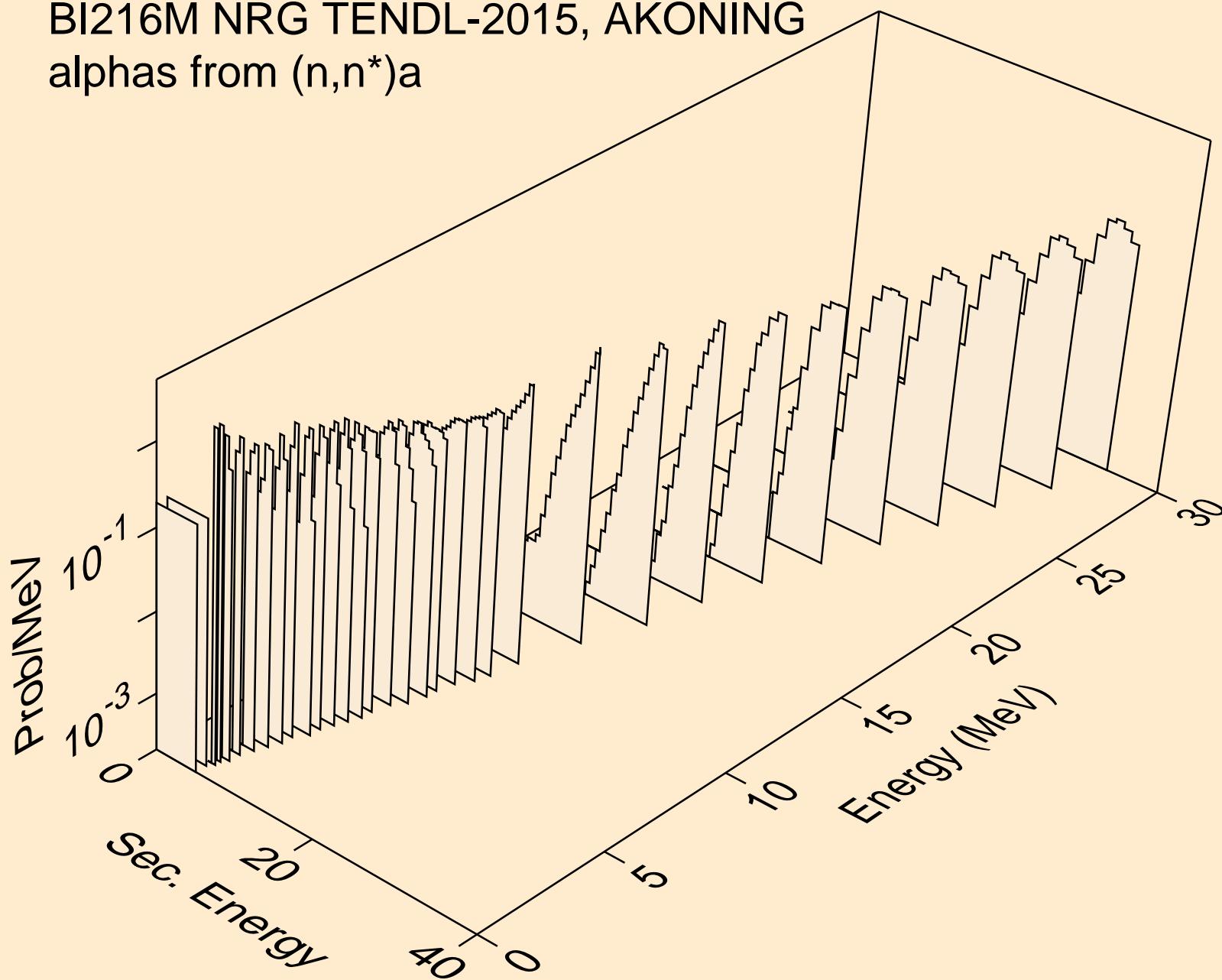
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he3s from (n,he3)



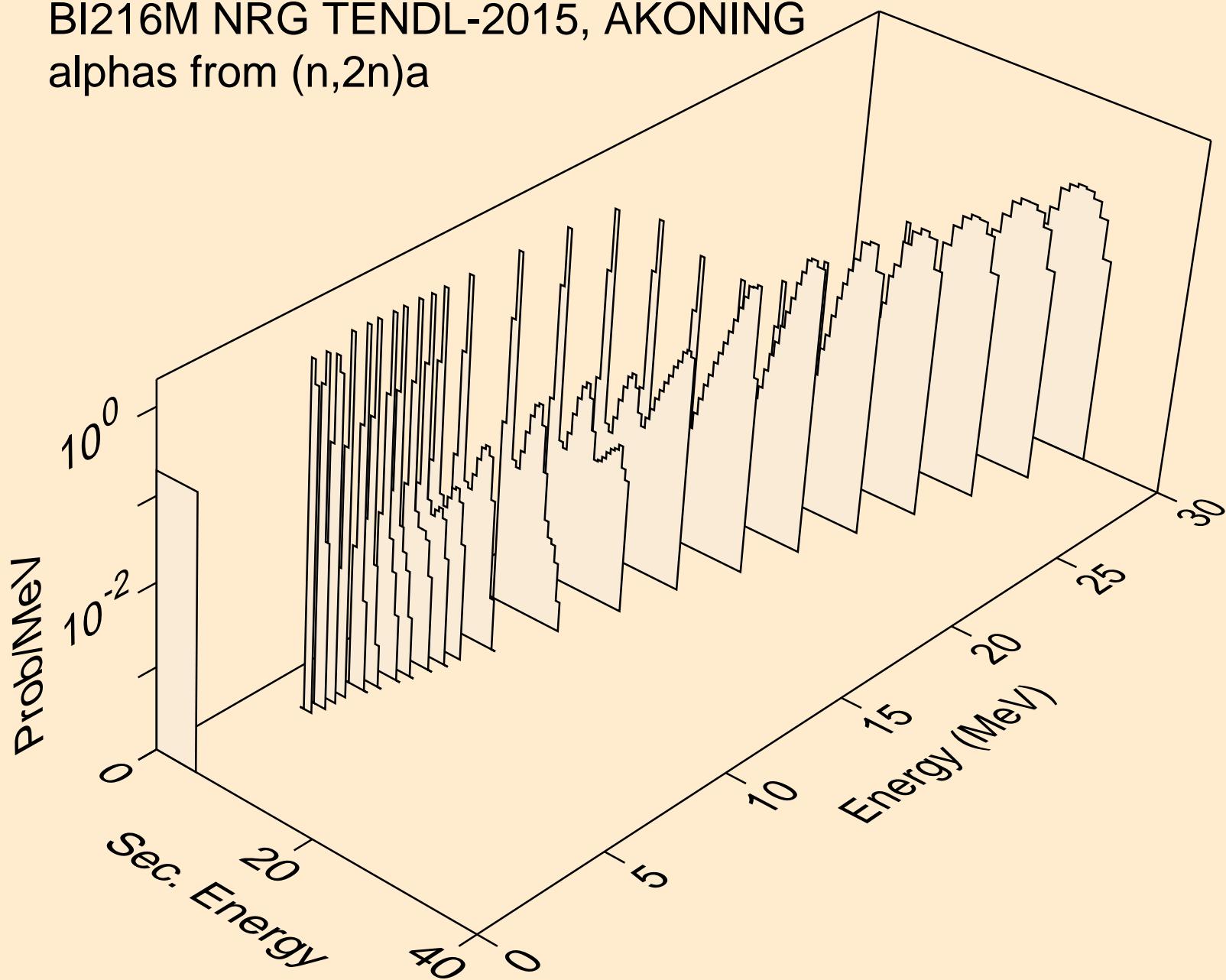
BI216M NRG TENDL-2015, AKONING  
alphas from (n,x)



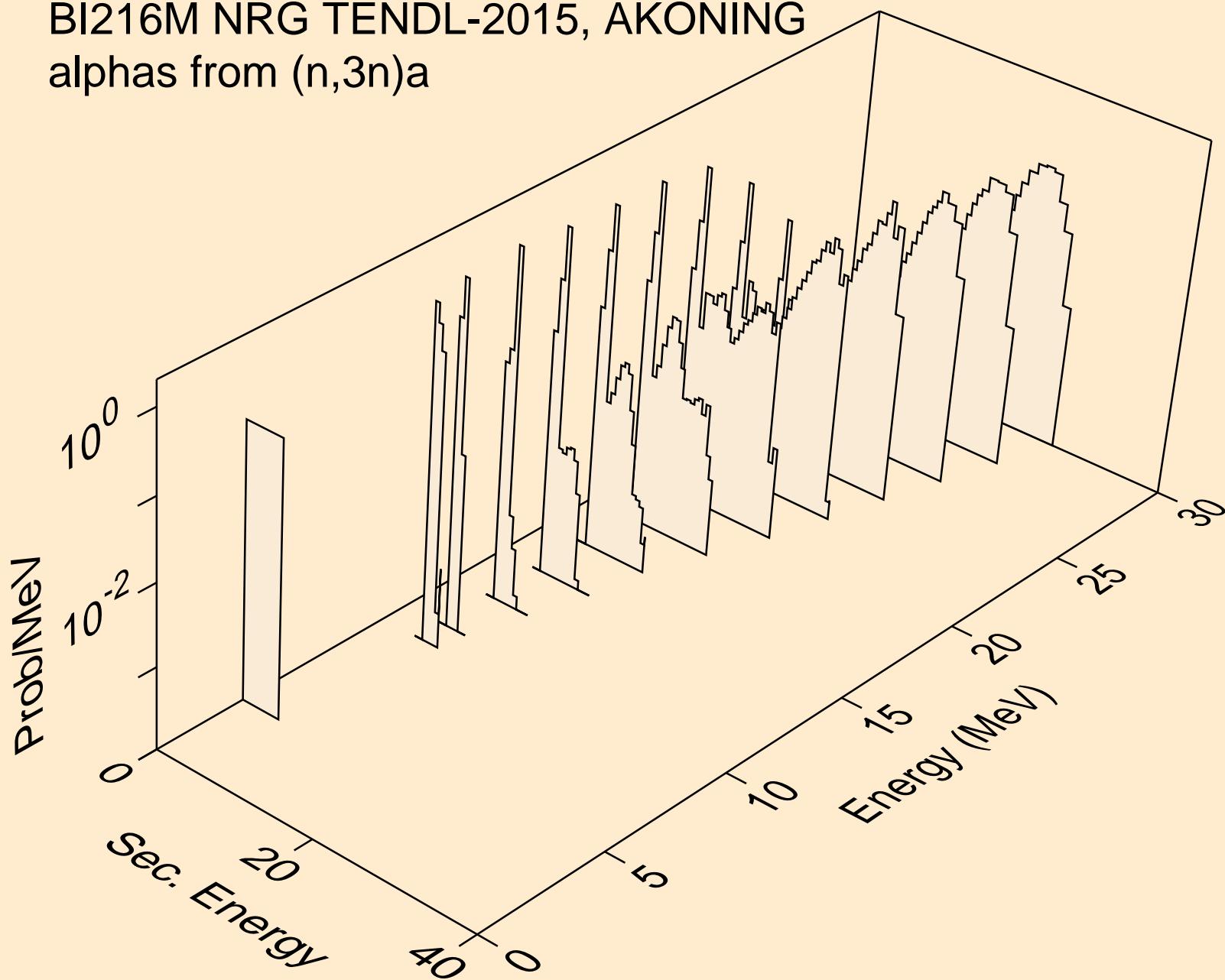
BI216M NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)a$



BI216M NRG TENDL-2015, AKONING  
alphas from ( $n,2n$ )a



BI216M NRG TENDL-2015, AKONING  
alphas from ( $n,3n$ )a



BI216M NRG TENDL-2015, AKONING  
alphas from (n,a)

