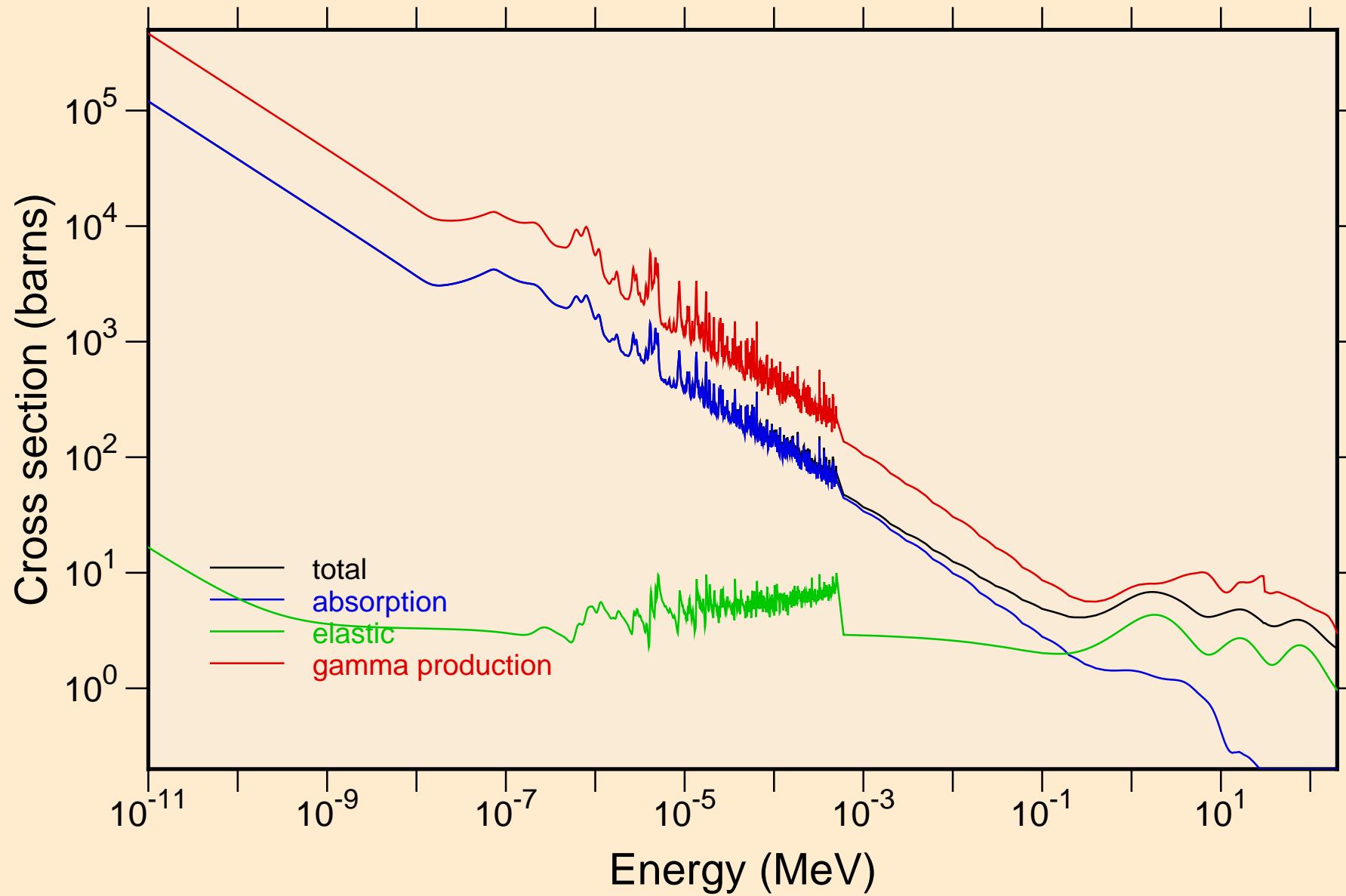
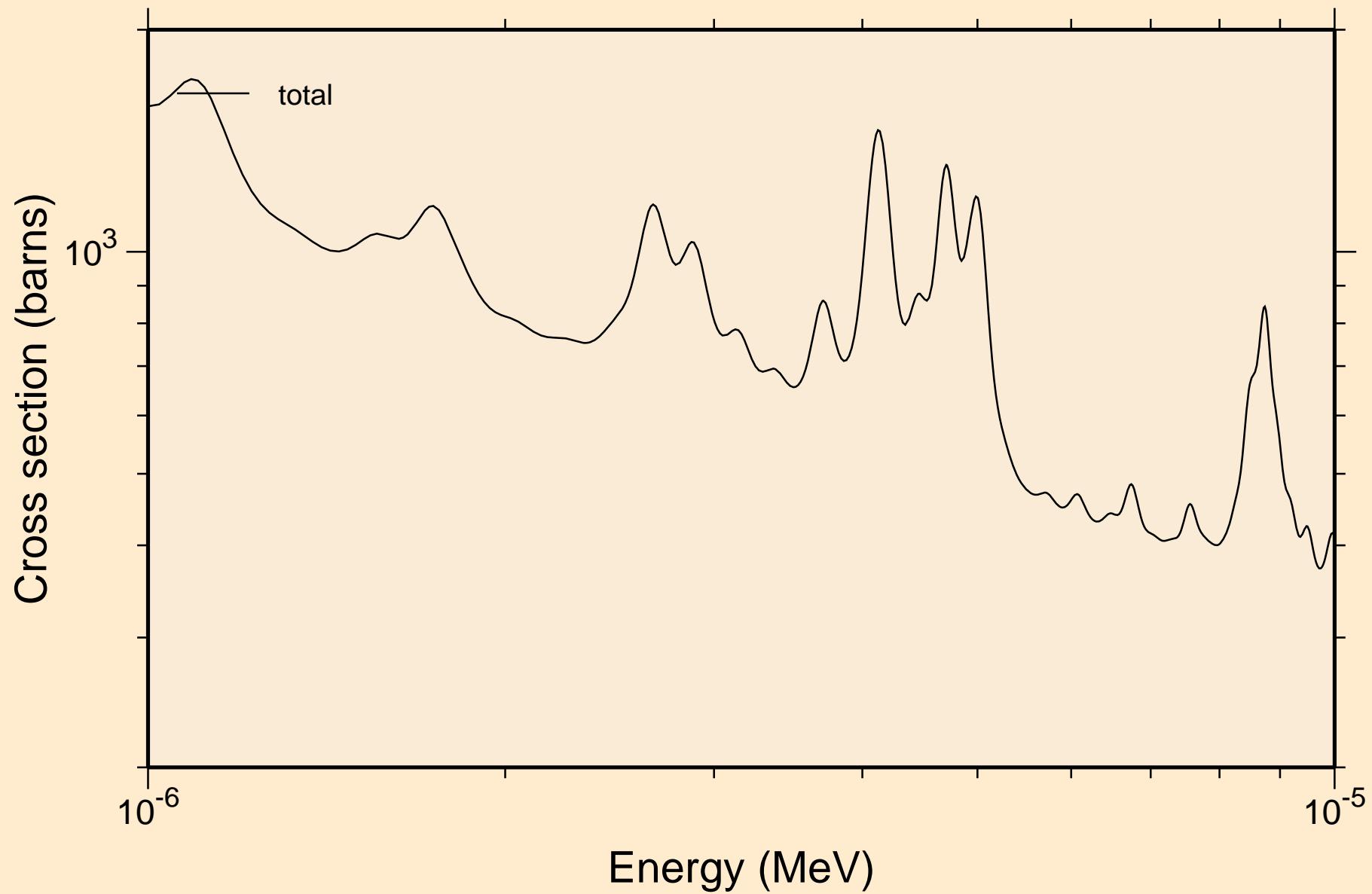


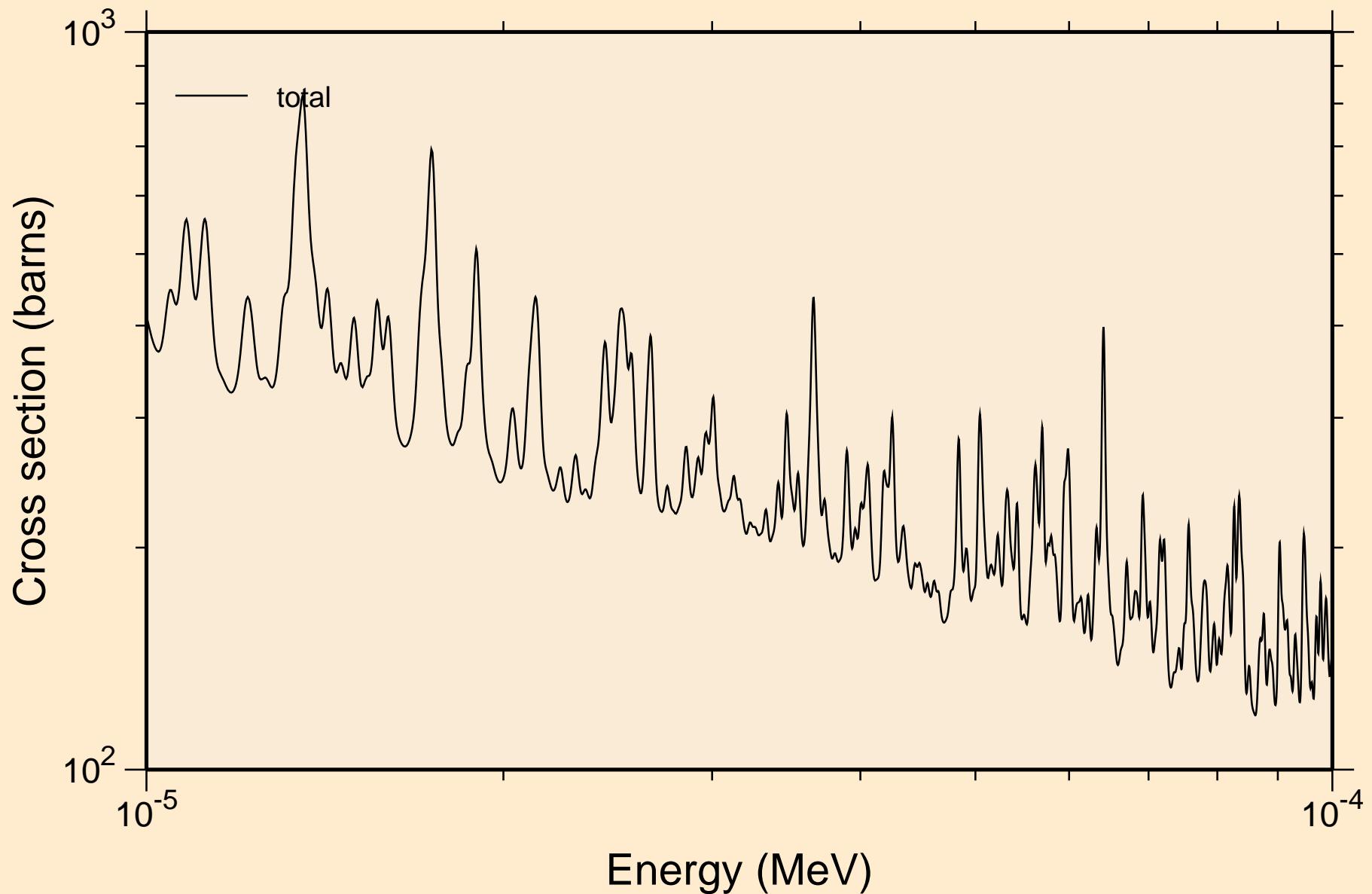
PM136M NRG TENDL-2015, AKONING  
Principal cross sections



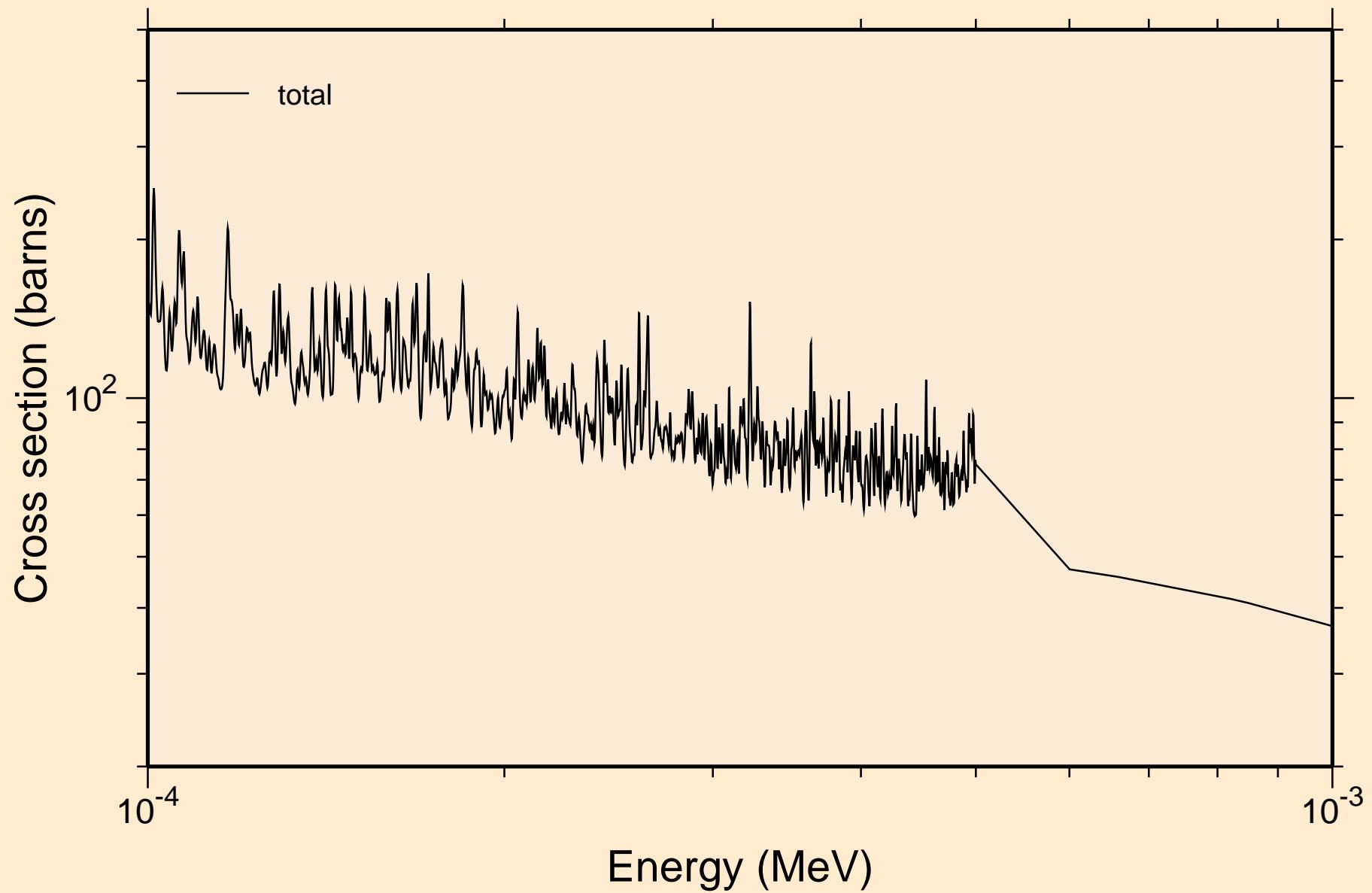
PM136M NRG TENDL-2015, AKONING  
resonance total cross section



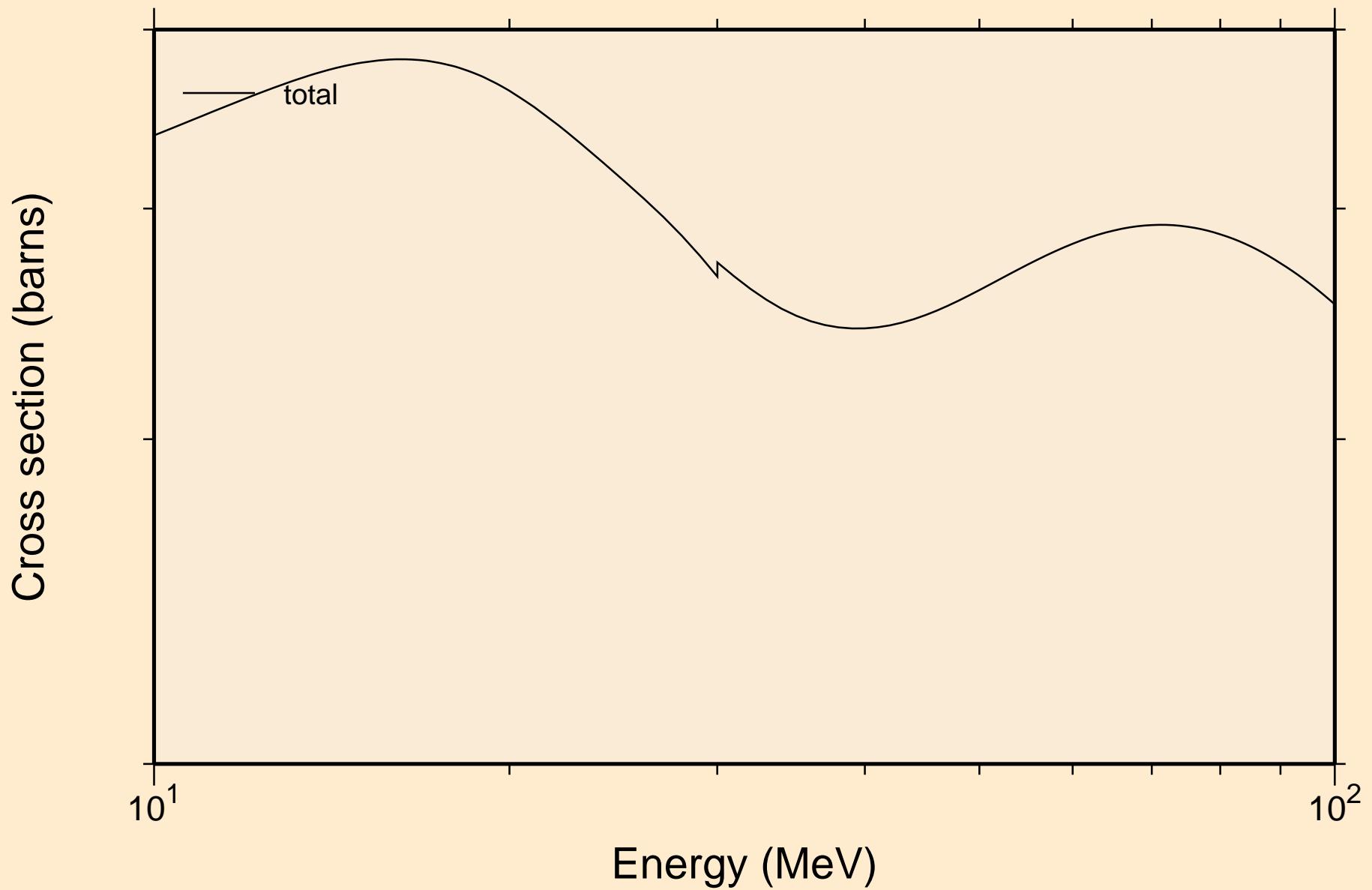
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resonance total cross section



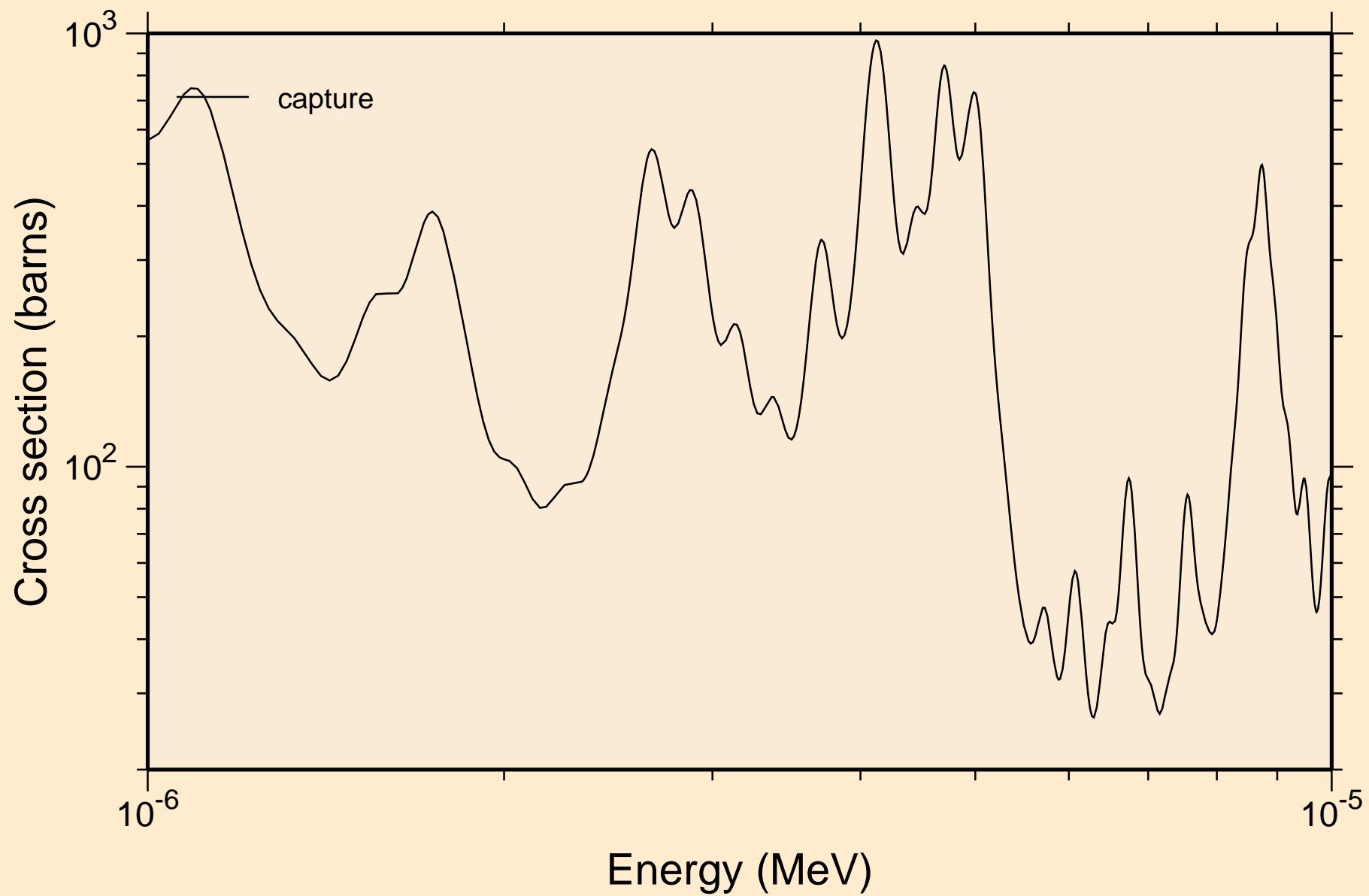
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resonance total cross section



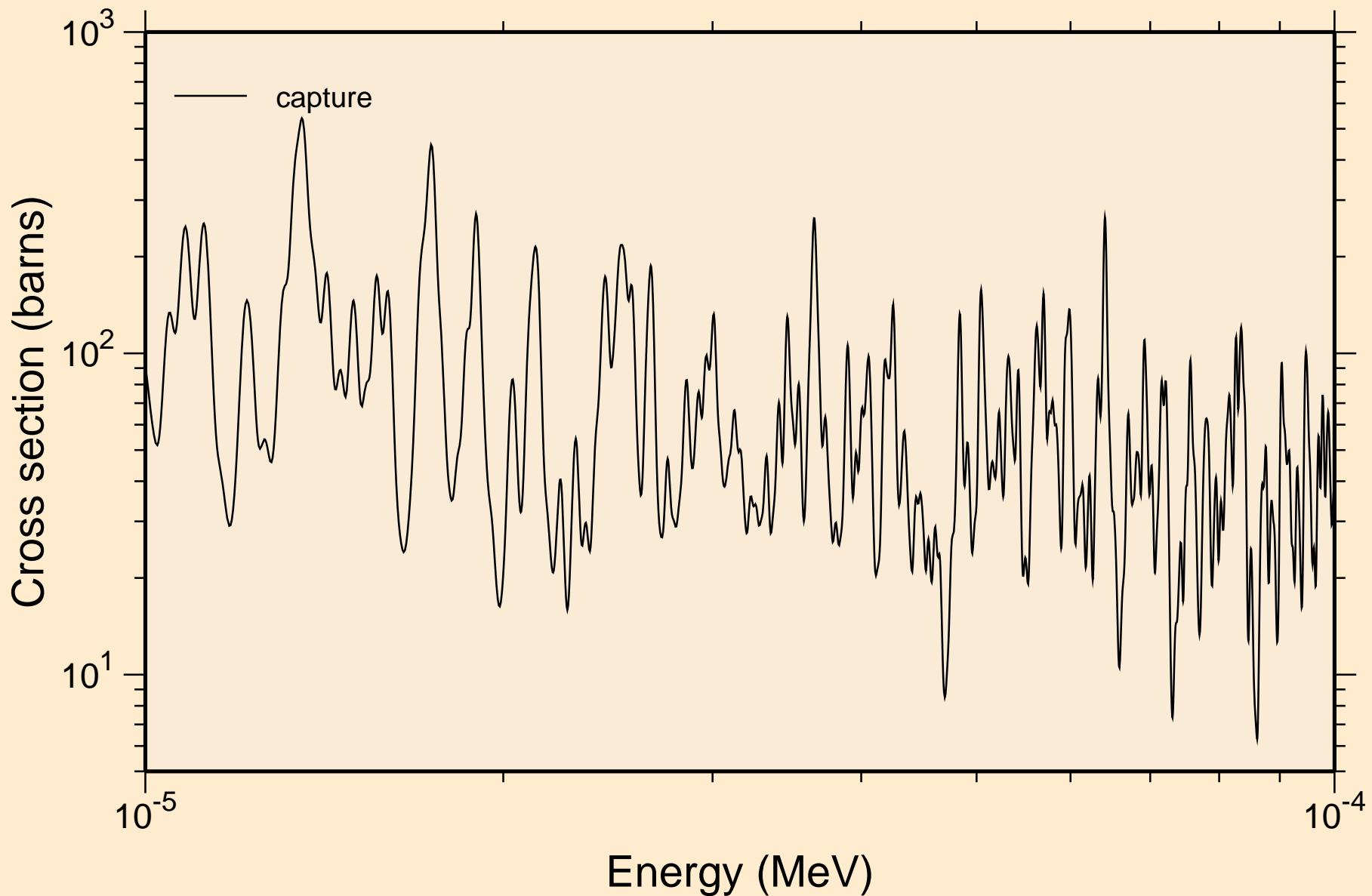
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resonance total cross section



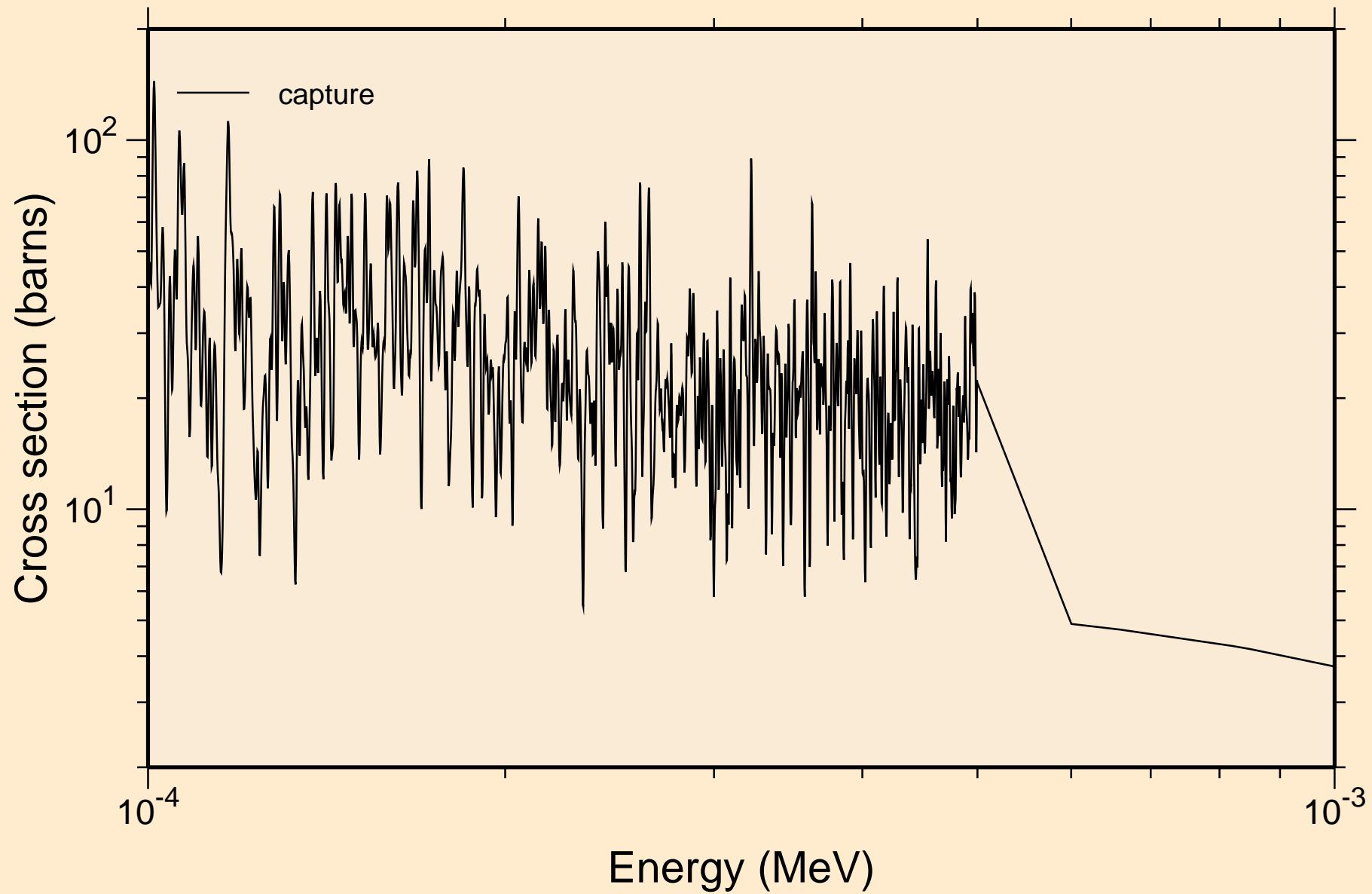
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resonance absorption cross sections



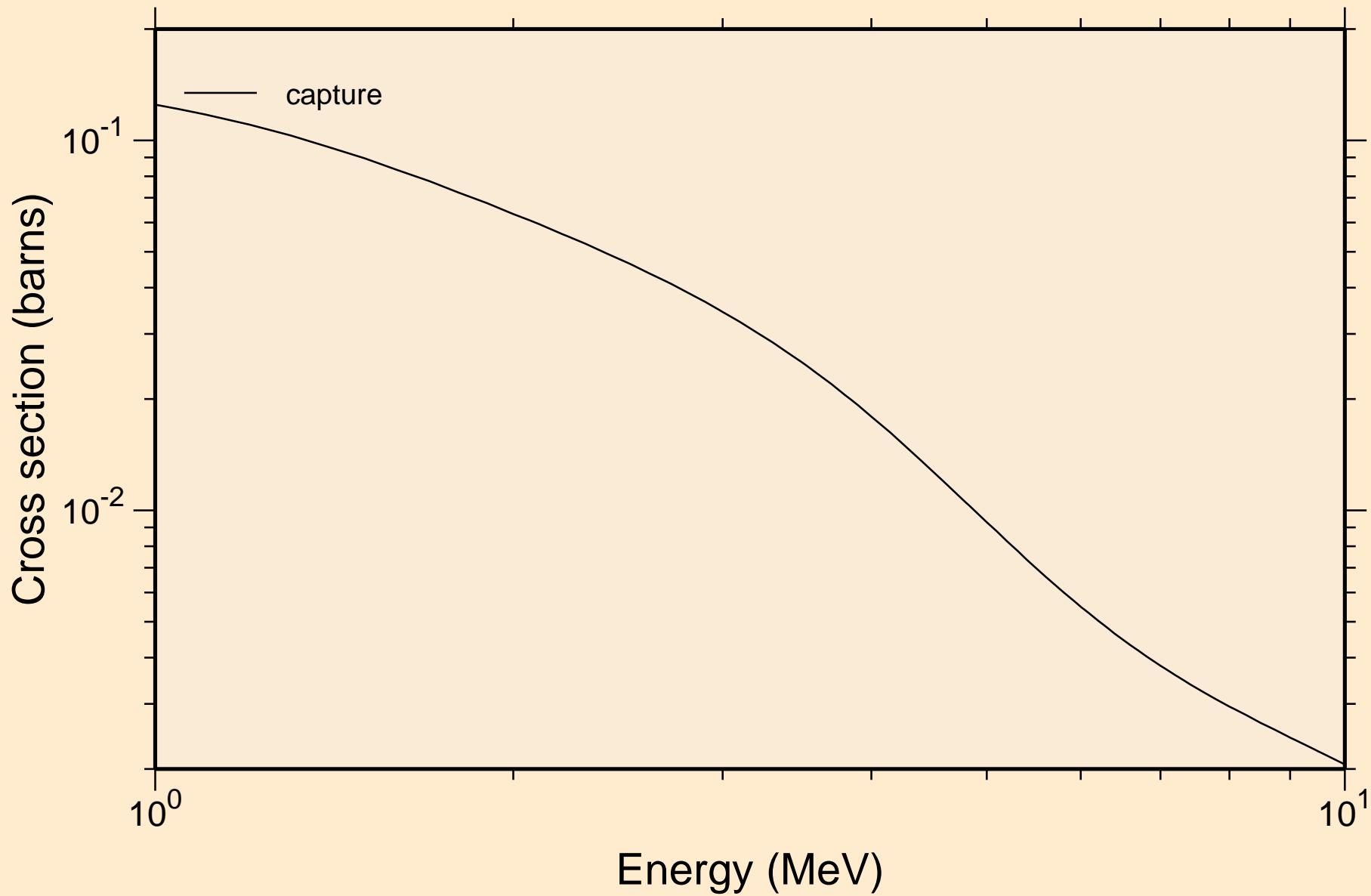
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resonance absorption cross sections



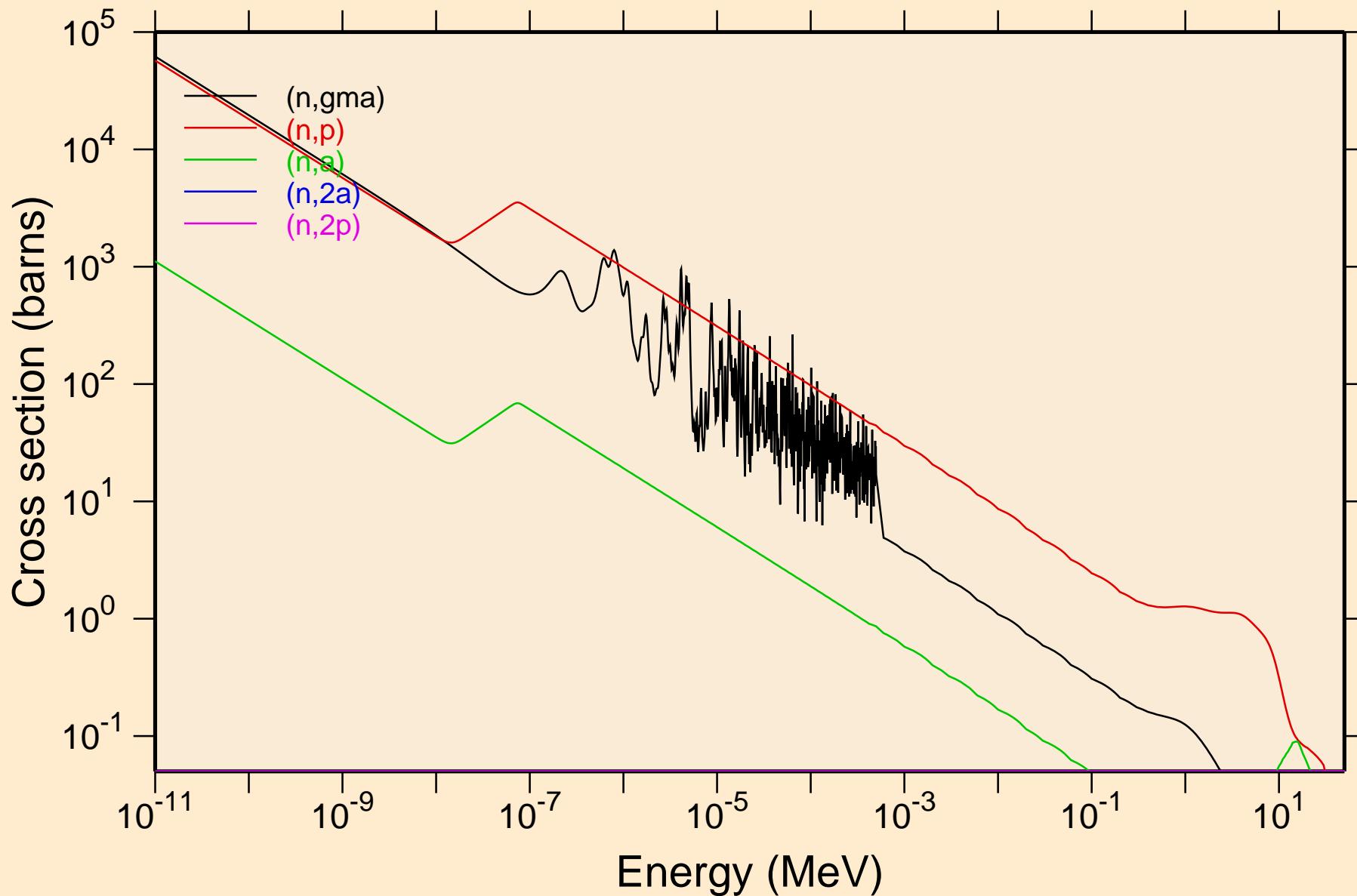
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resonance absorption cross sections



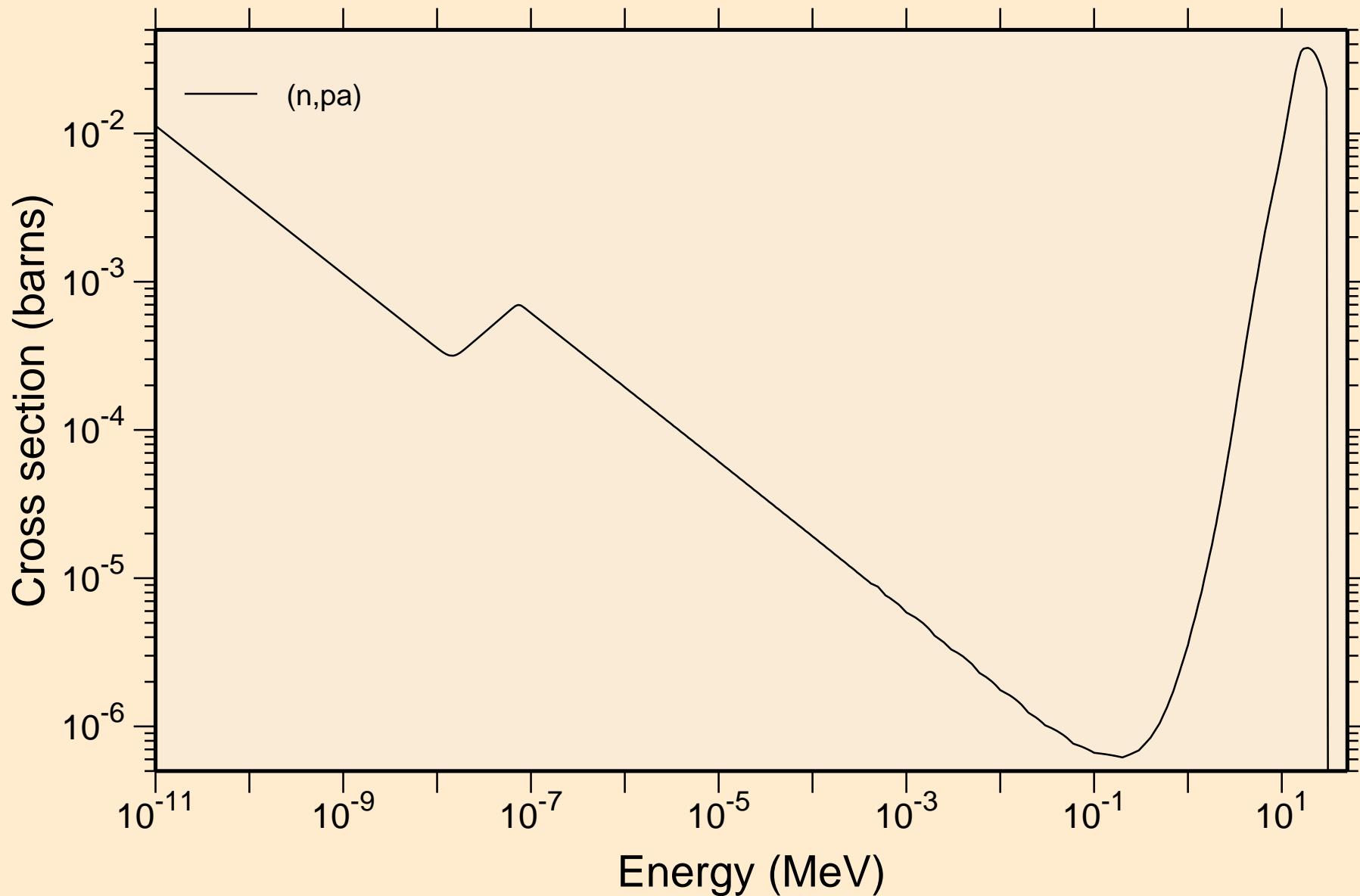
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resonance absorption cross sections



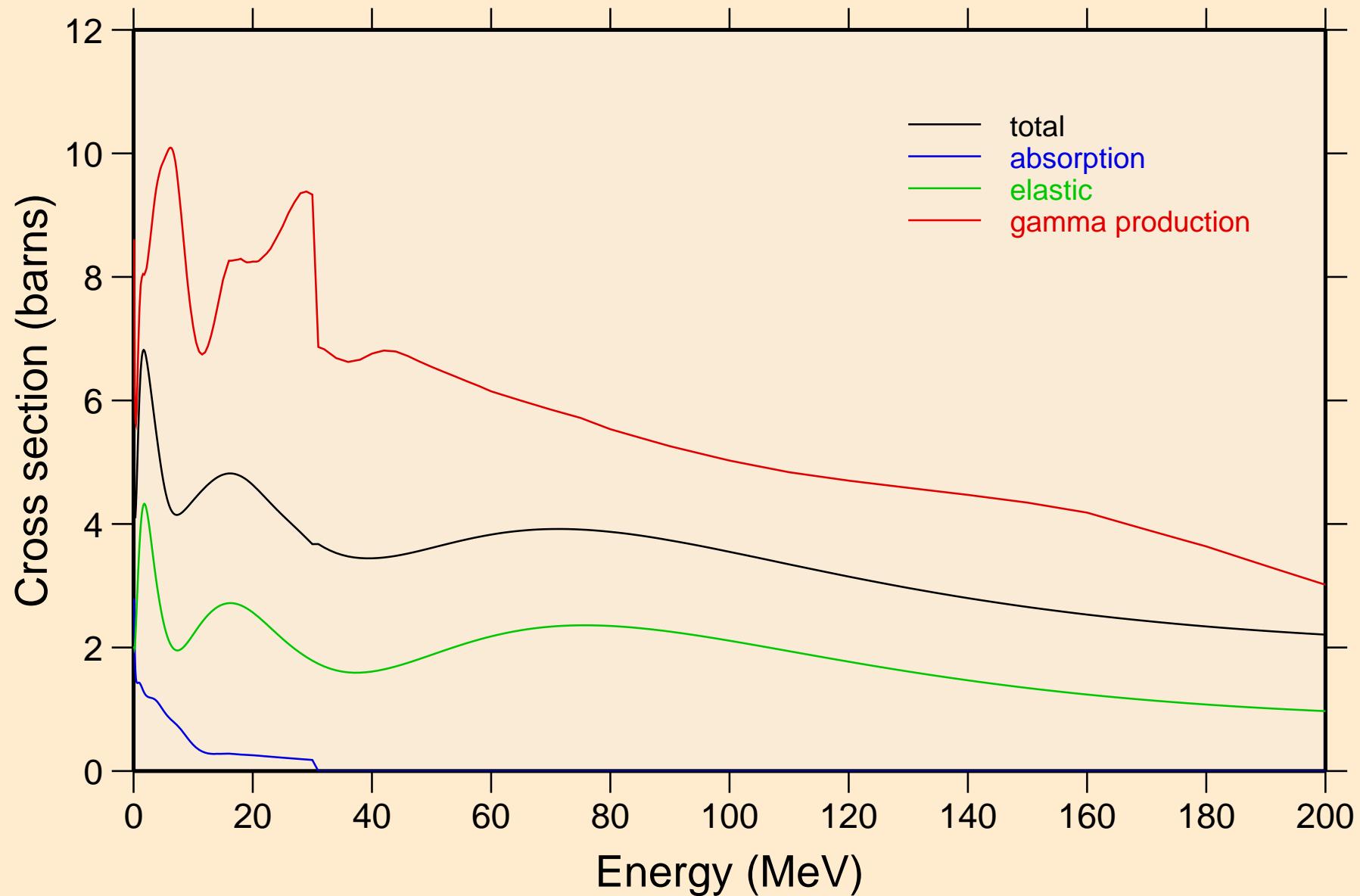
PM136M NRG TENDL-2015, AKONING  
Non-threshold reactions



PM136M NRG TENDL-2015, AKONING  
Non-threshold reactions

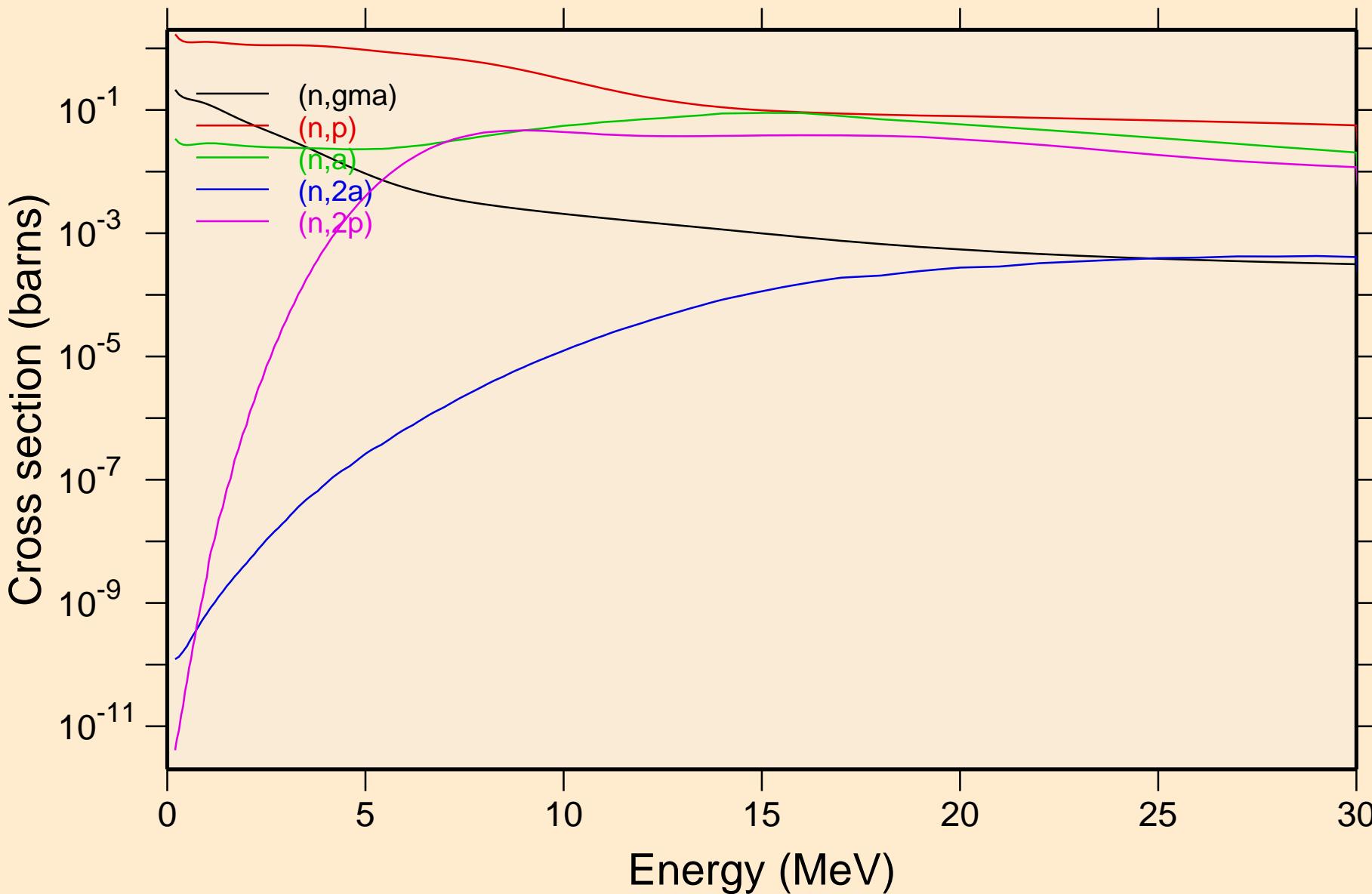


PM136M NRG TENDL-2015, AKONING  
Principal cross sections

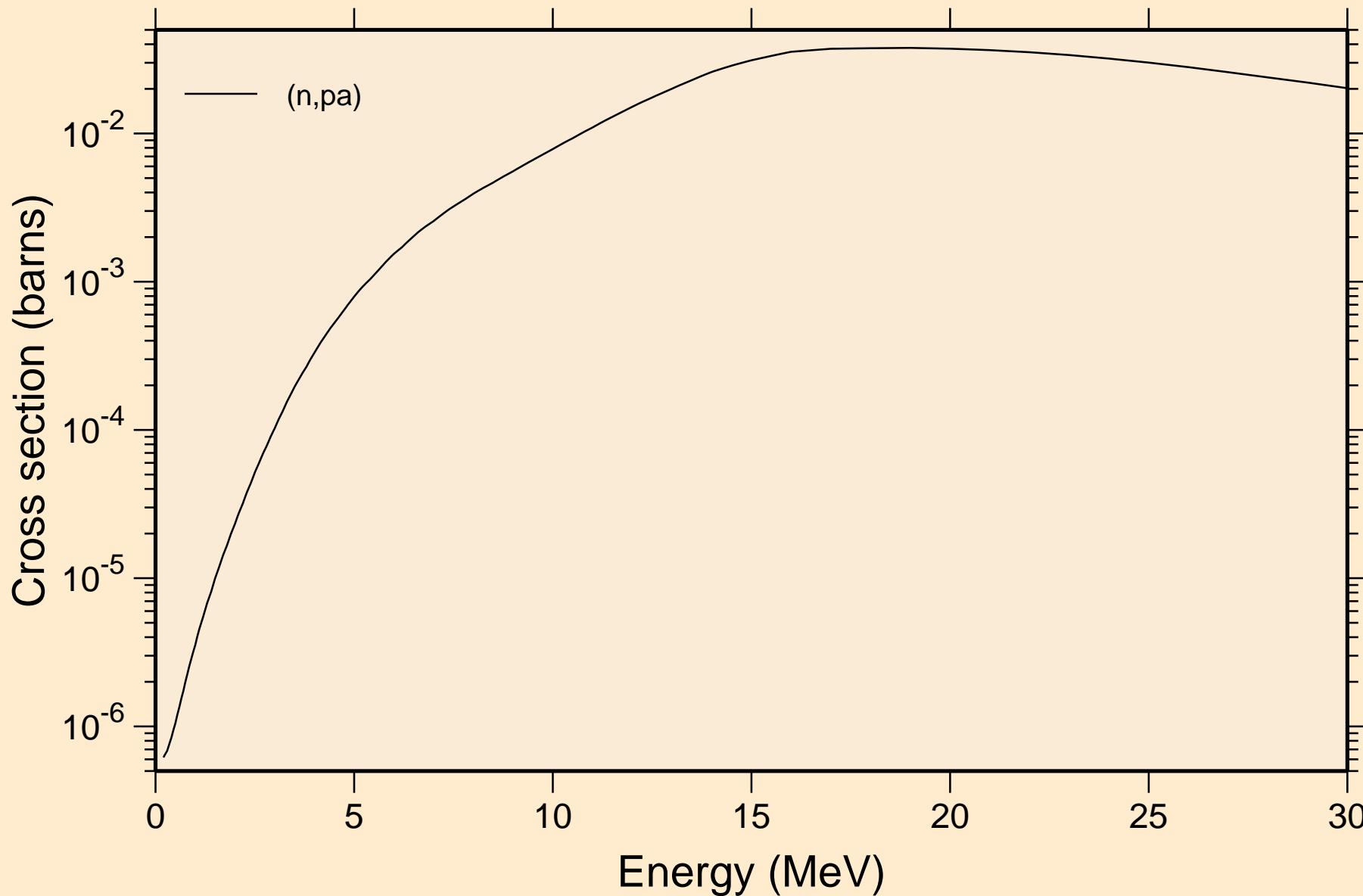


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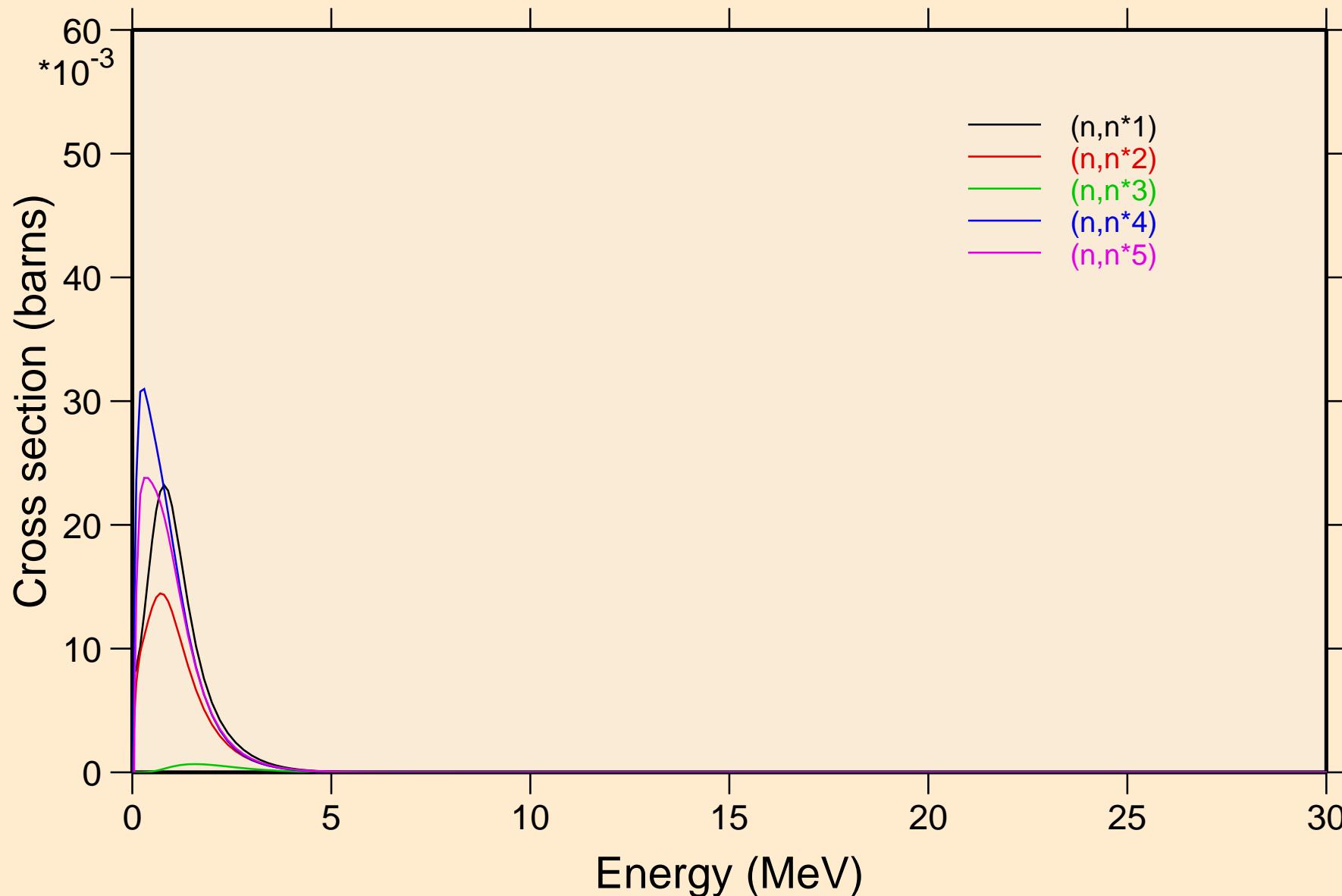
## Non-threshold reactions



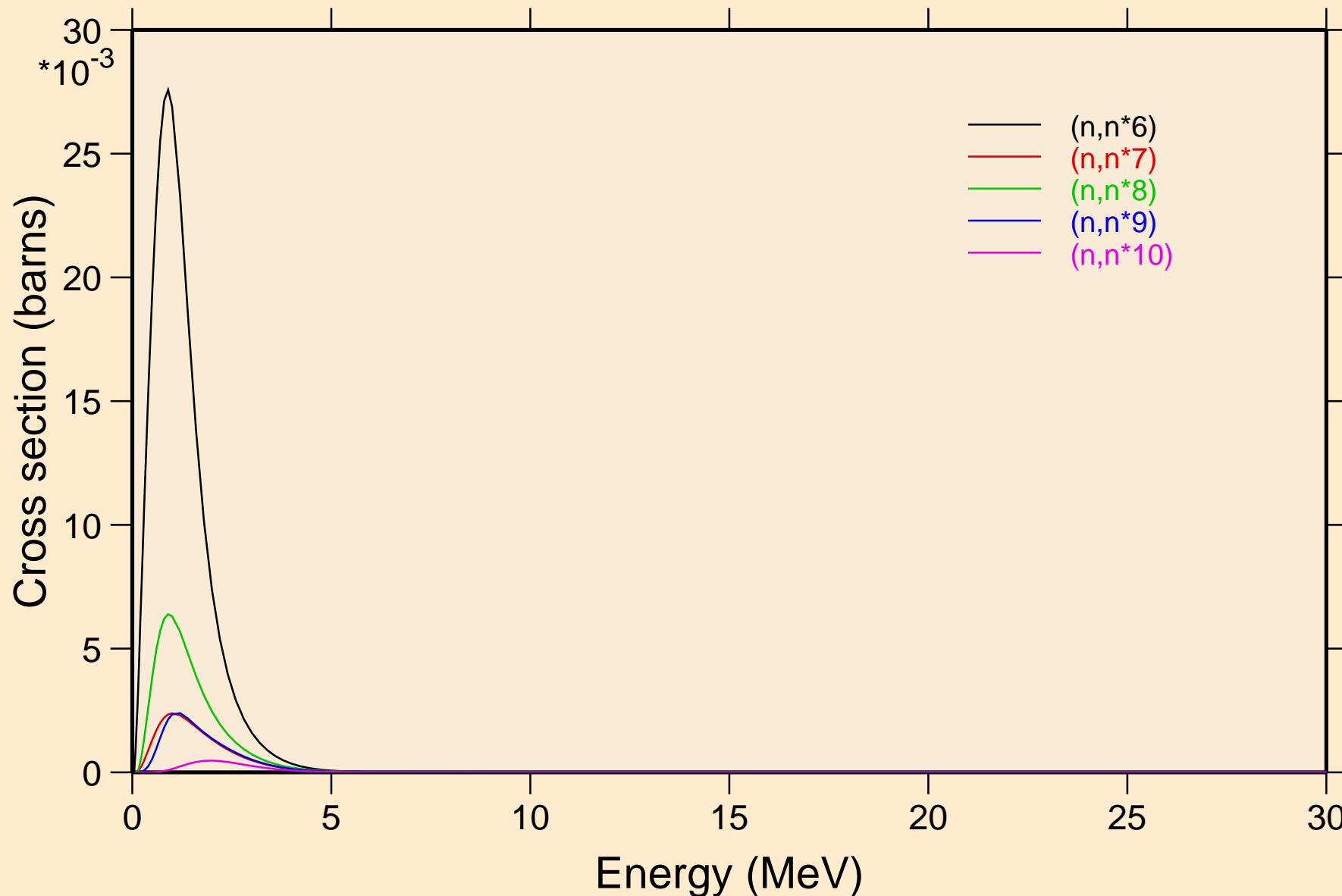
PM136M NRG TENDL-2015, AKONING  
Non-threshold reactions



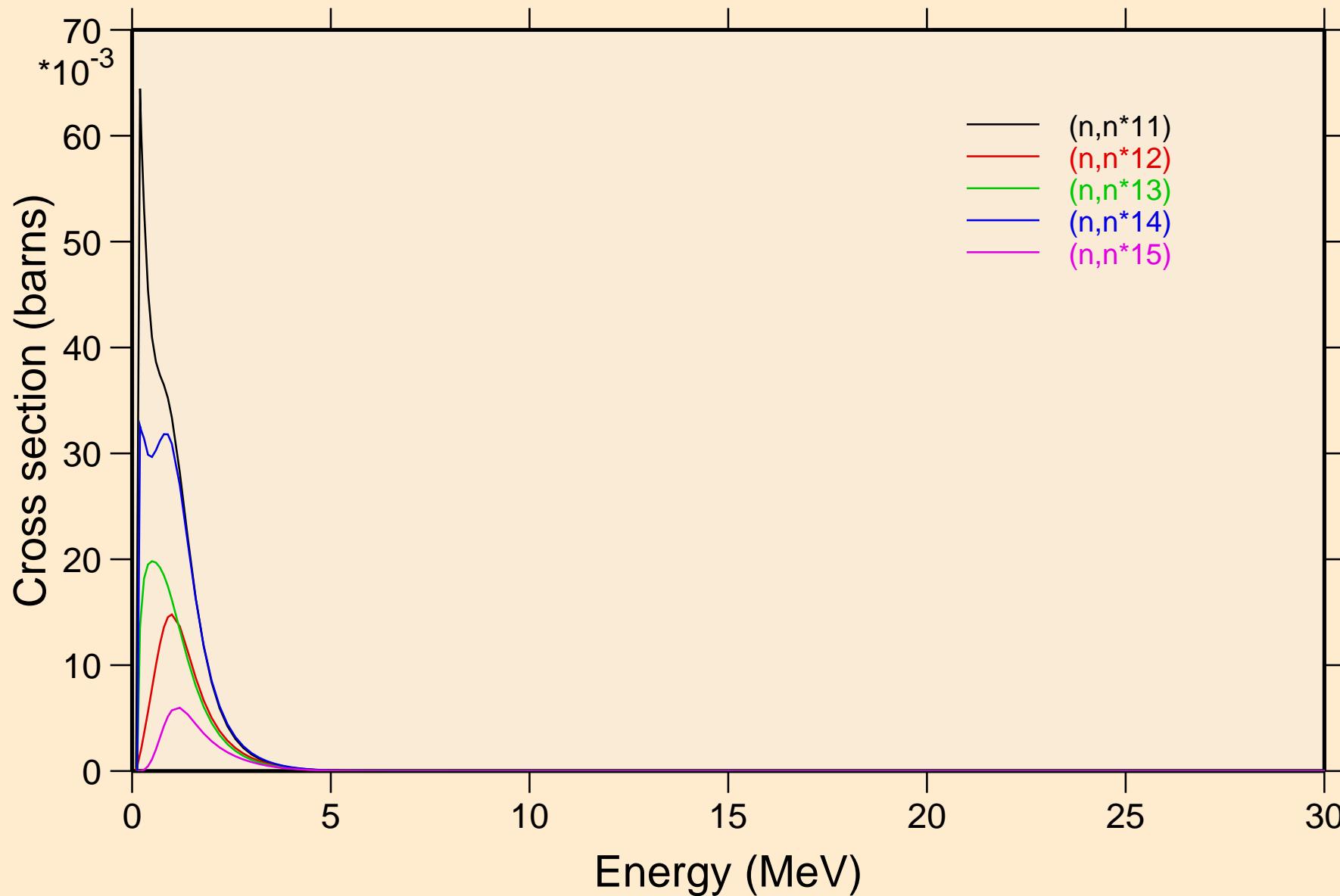
PM136M NRG TENDL-2015, AKONING  
Inelastic levels



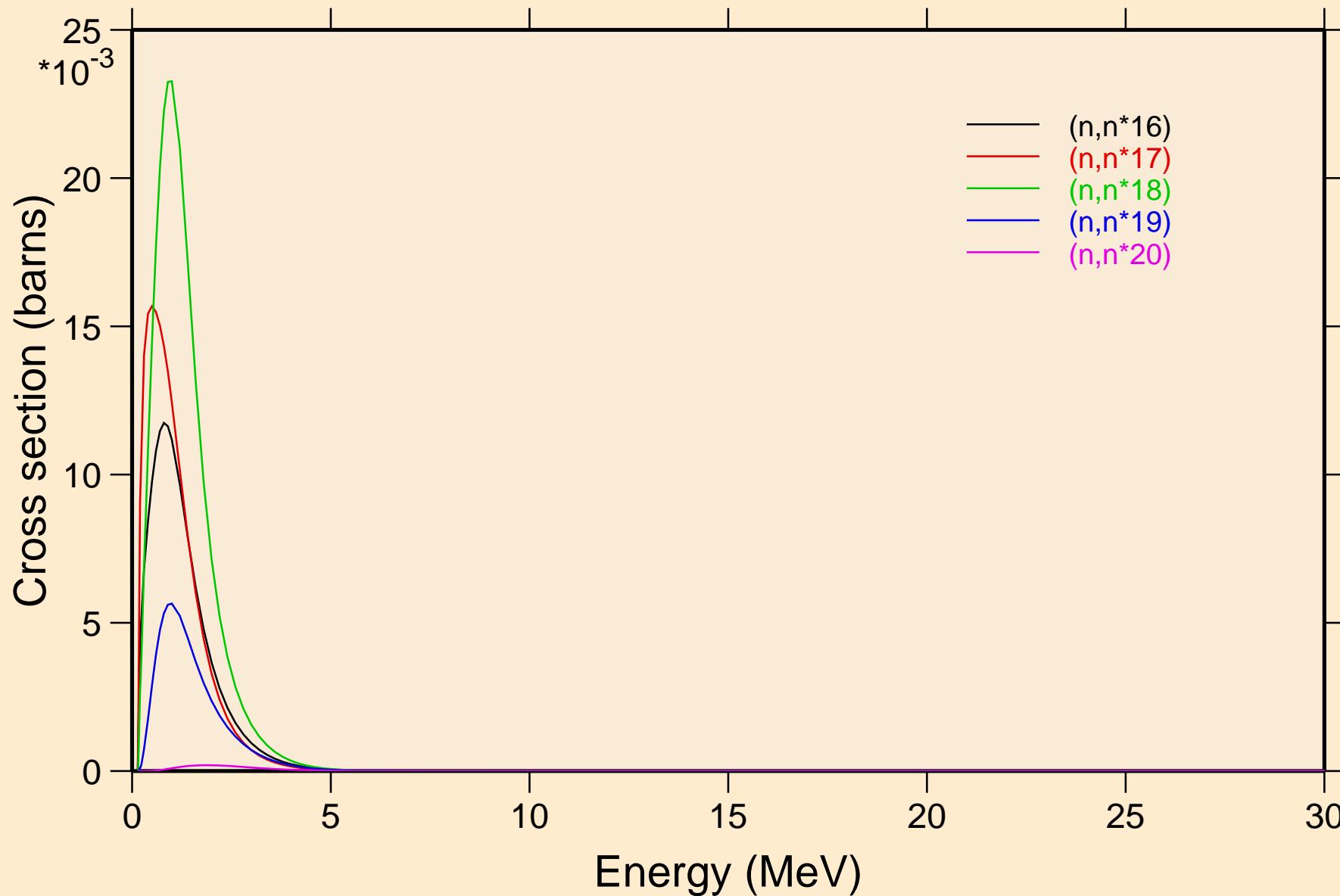
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Inelastic levels



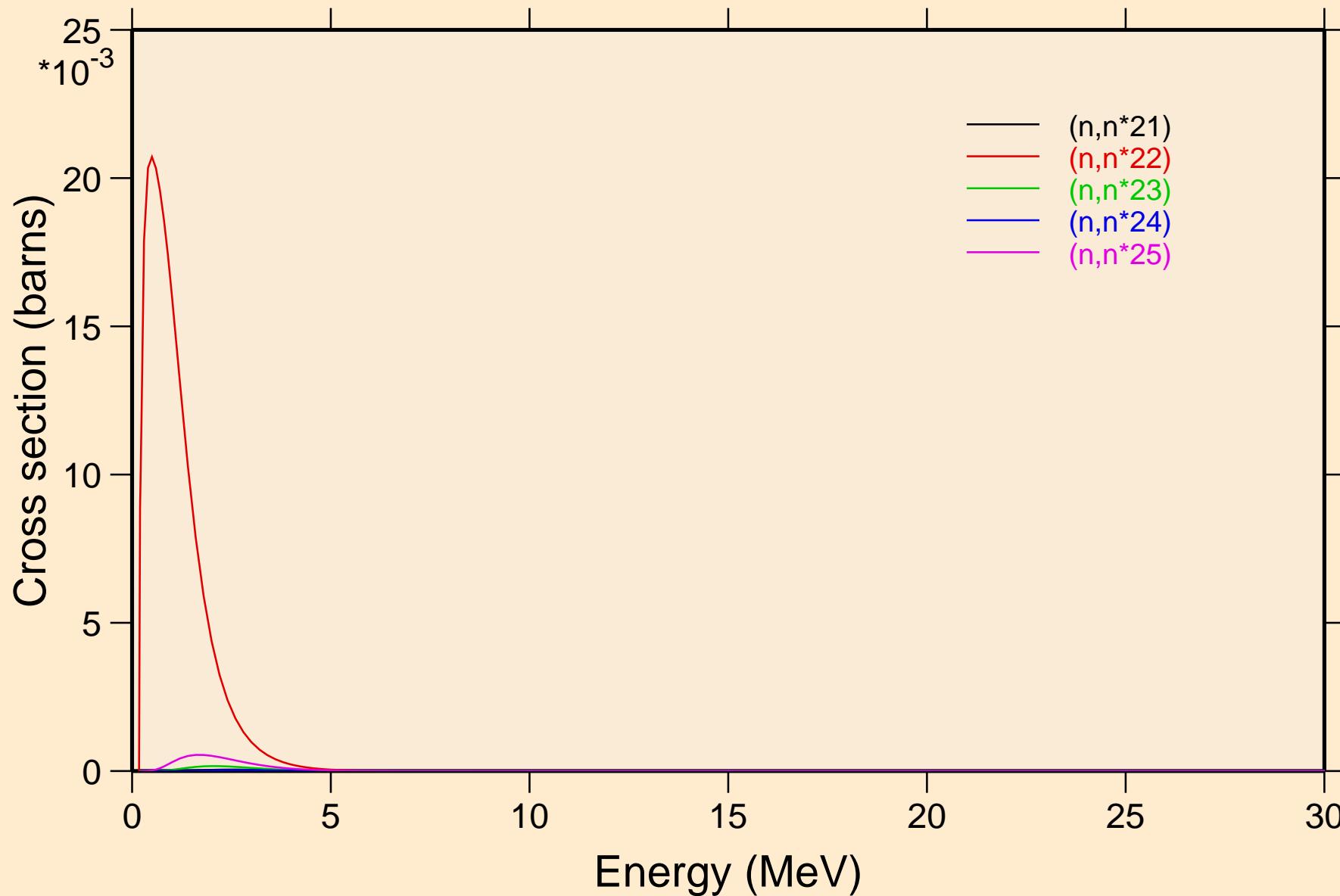
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Inelastic levels



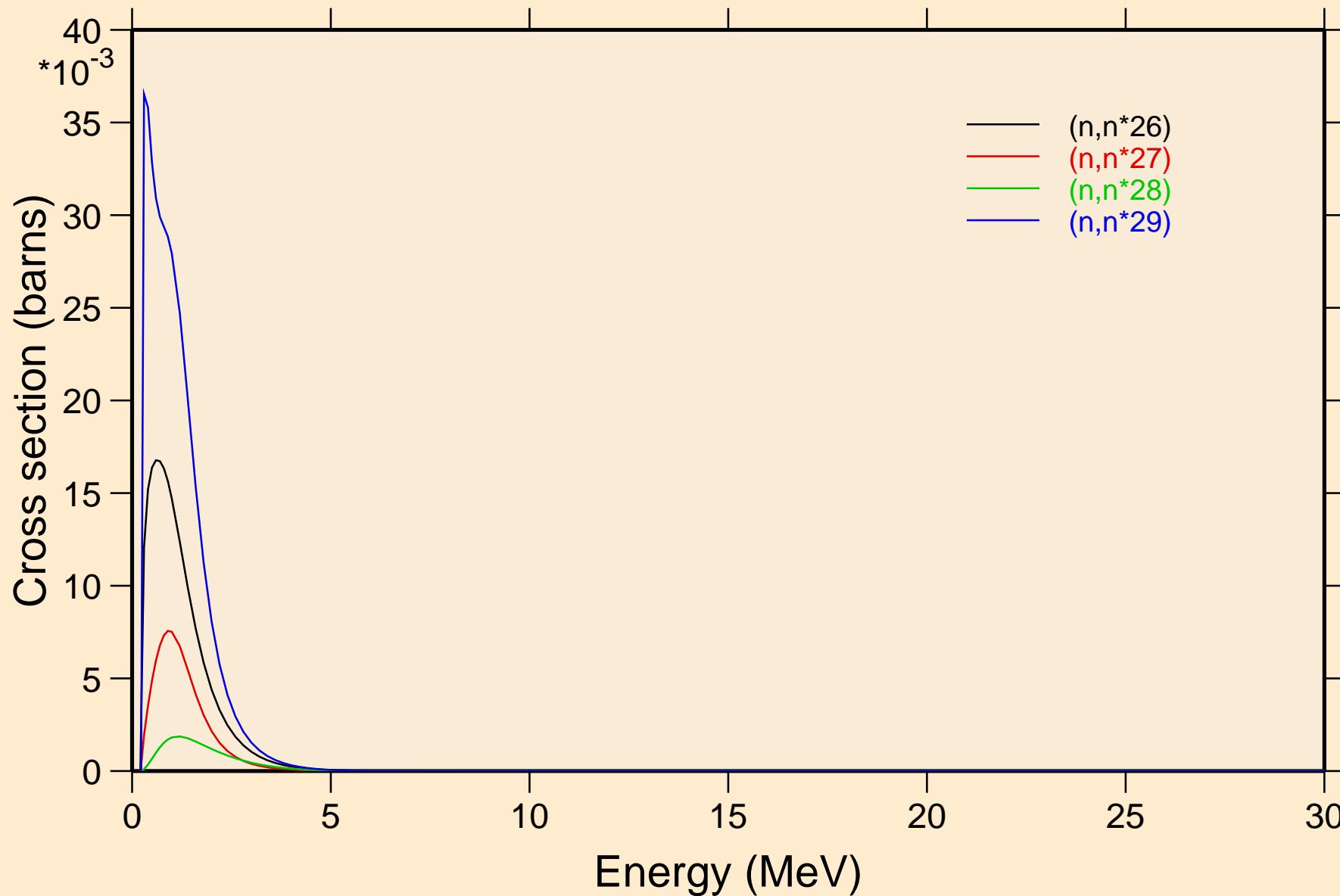
PM136M NRG TENDL-2015, AKONING  
Inelastic levels



PM136M NRG TENDL-2015, AKONING  
Inelastic levels

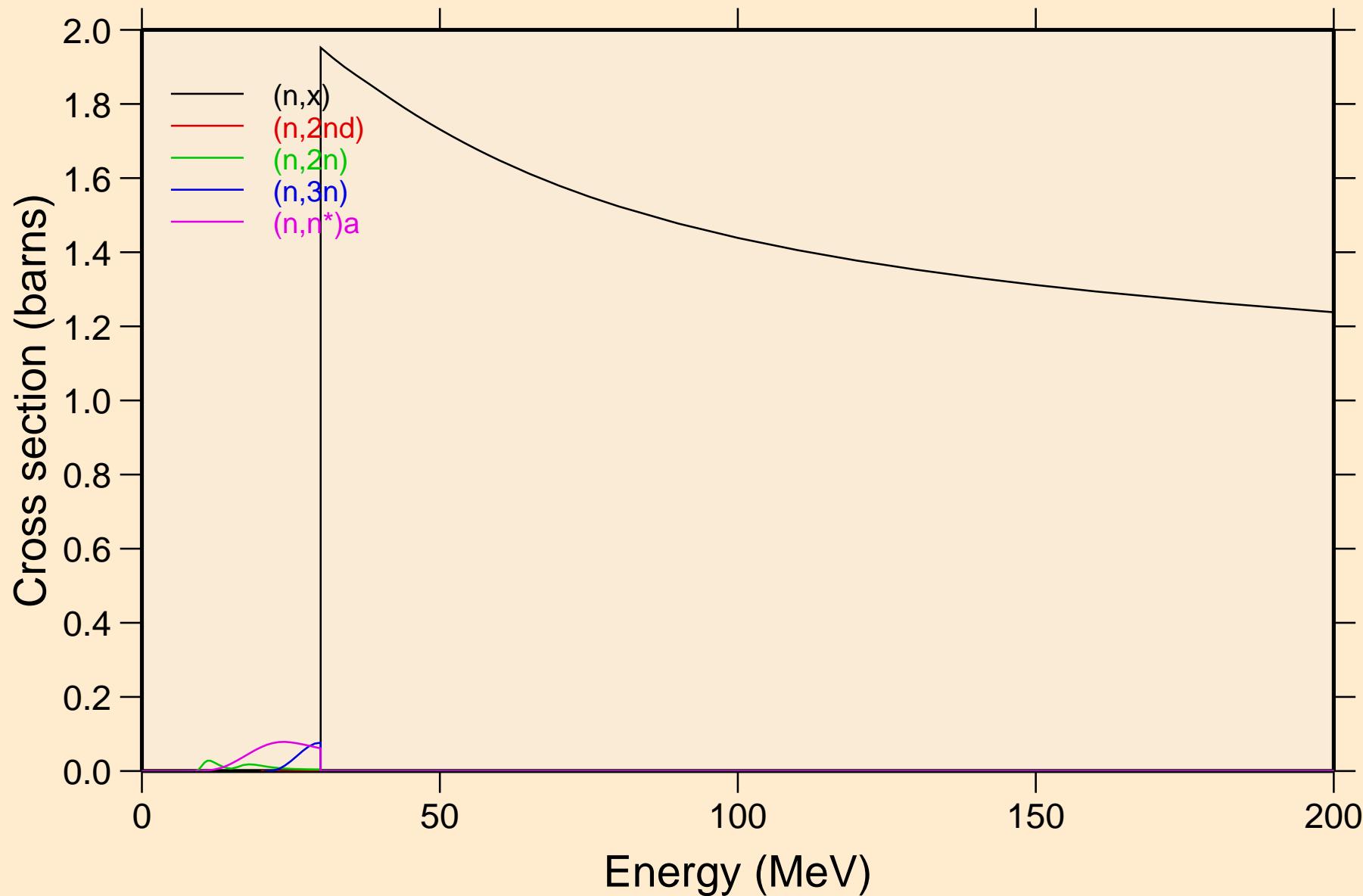


PM136M NRG TENDL-2015, AKONING  
Inelastic levels



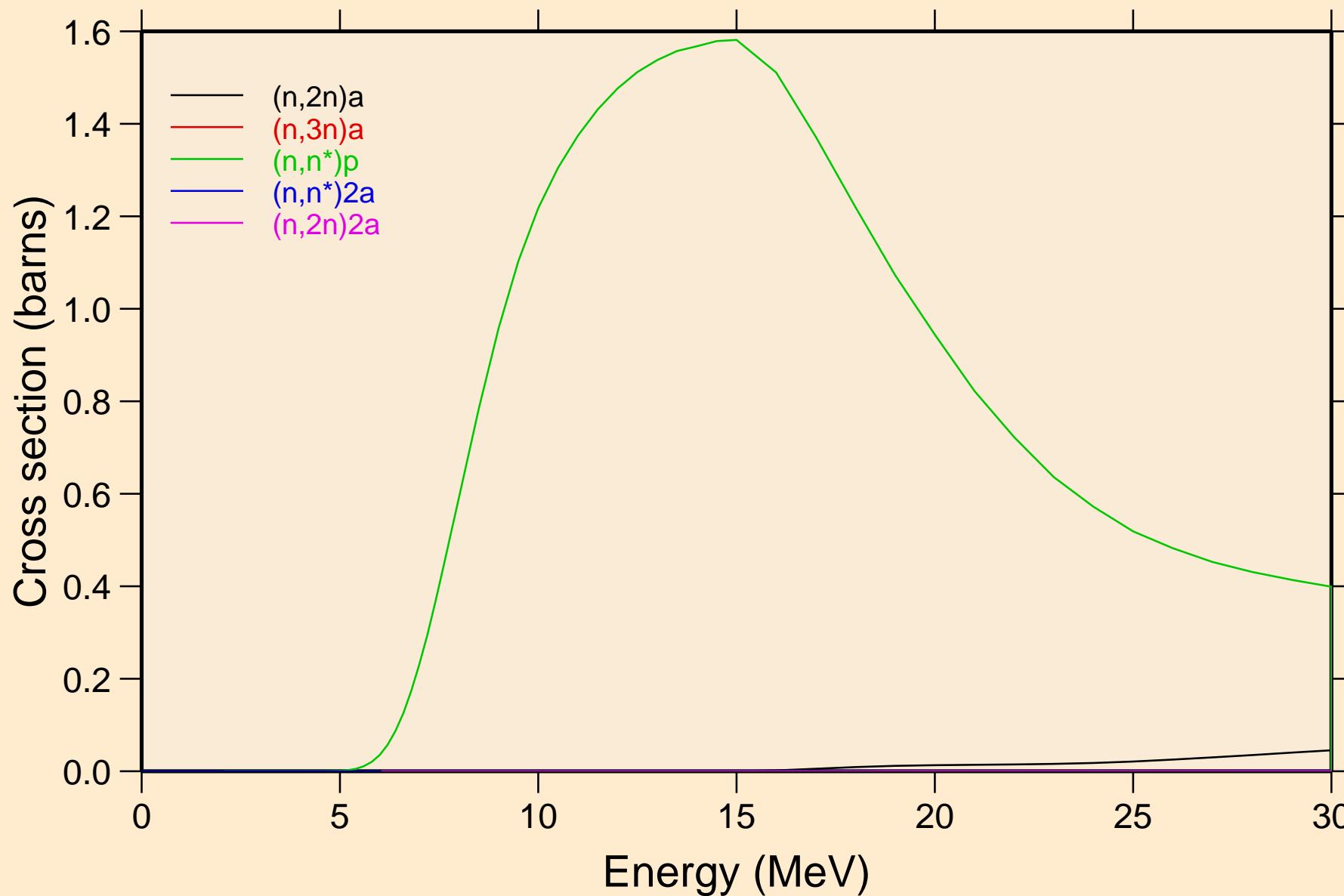
# PM136M NRG TENDL-2015, AKONING

## Threshold reactions



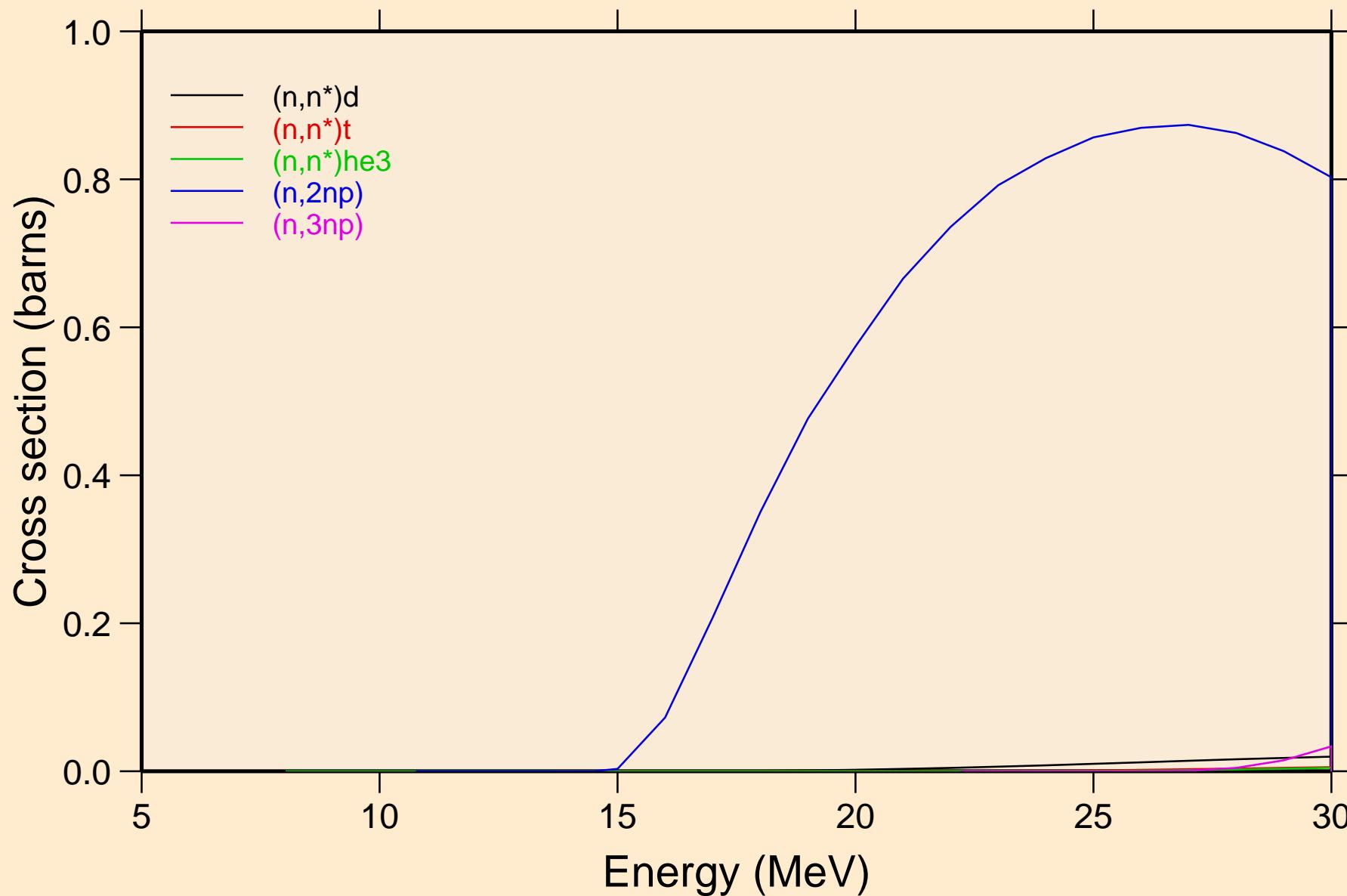
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## Threshold reactions



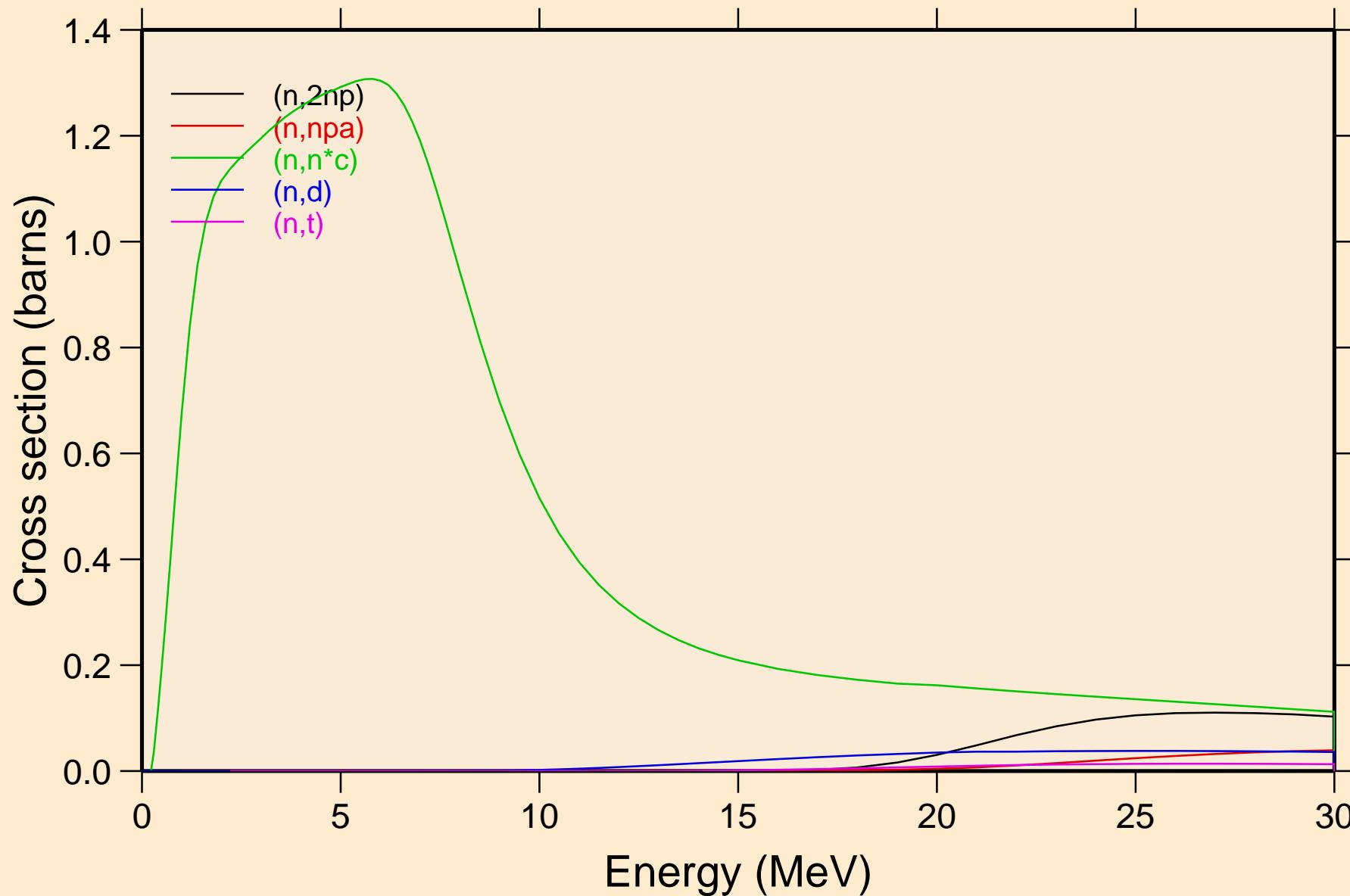
# PM136M NRG TENDL-2015, AKONING

## Threshold reactions

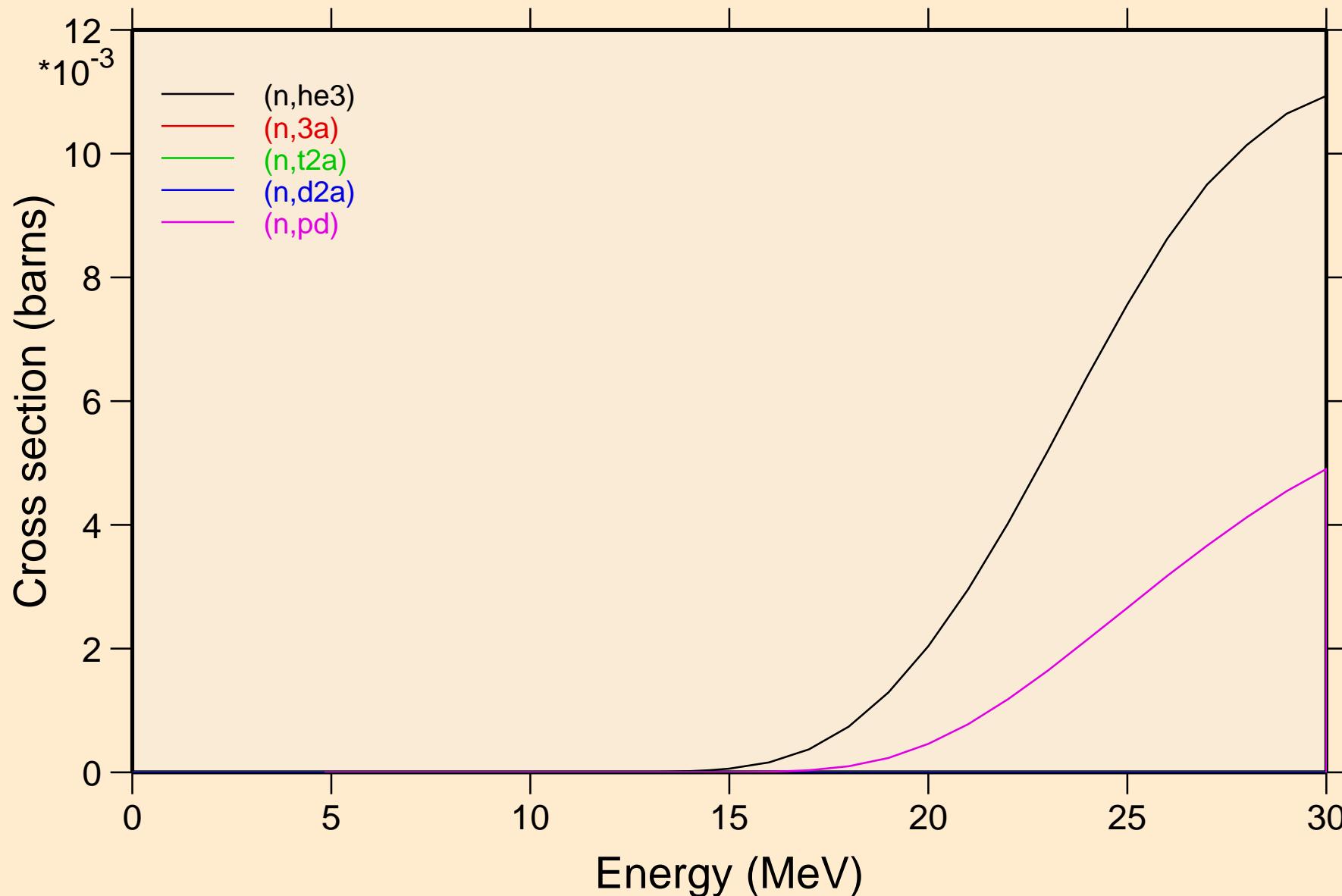


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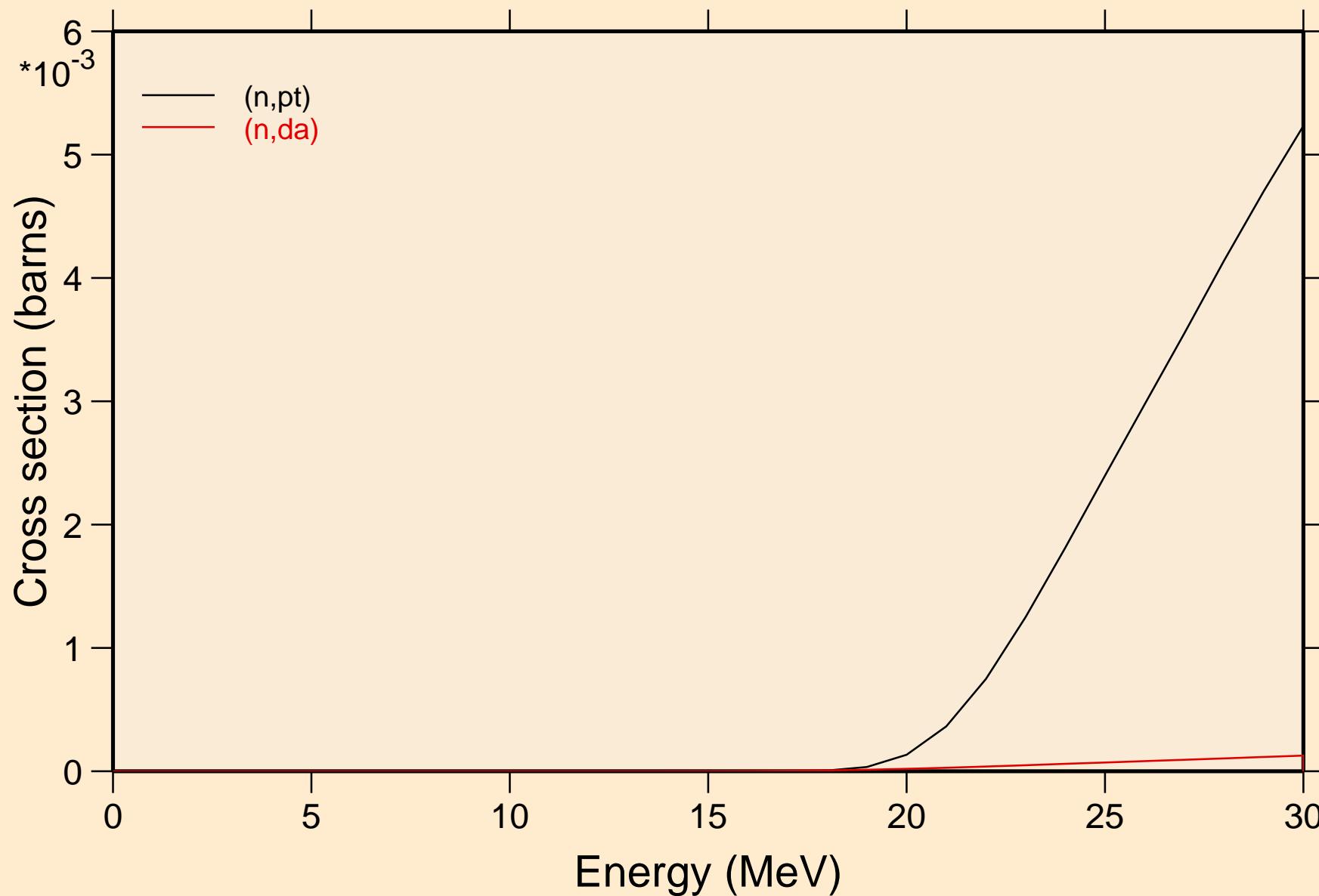
## Threshold reactions



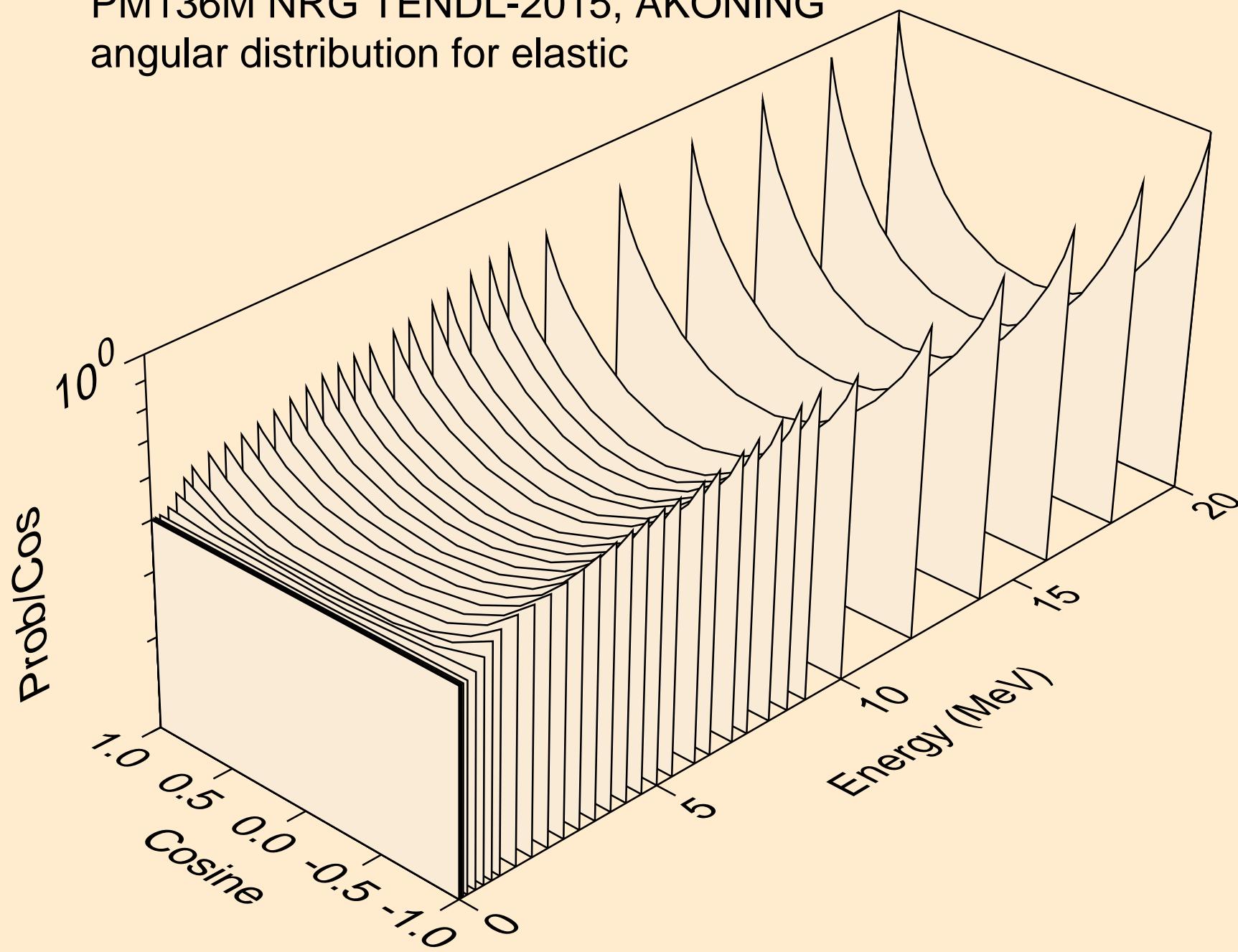
PM136M NRG TENDL-2015, AKONING  
Threshold reactions



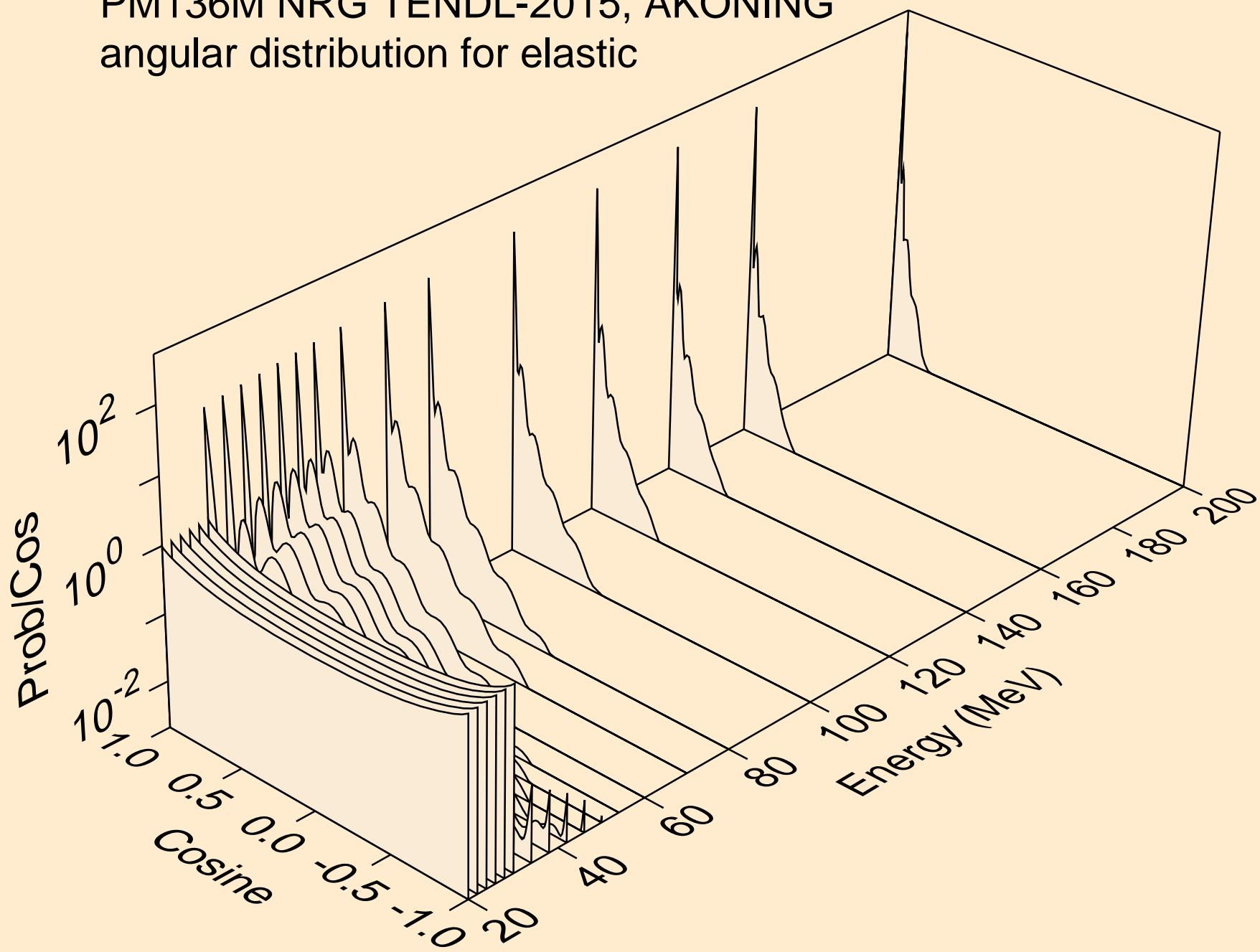
PM136M NRG TENDL-2015, AKONING  
Threshold reactions



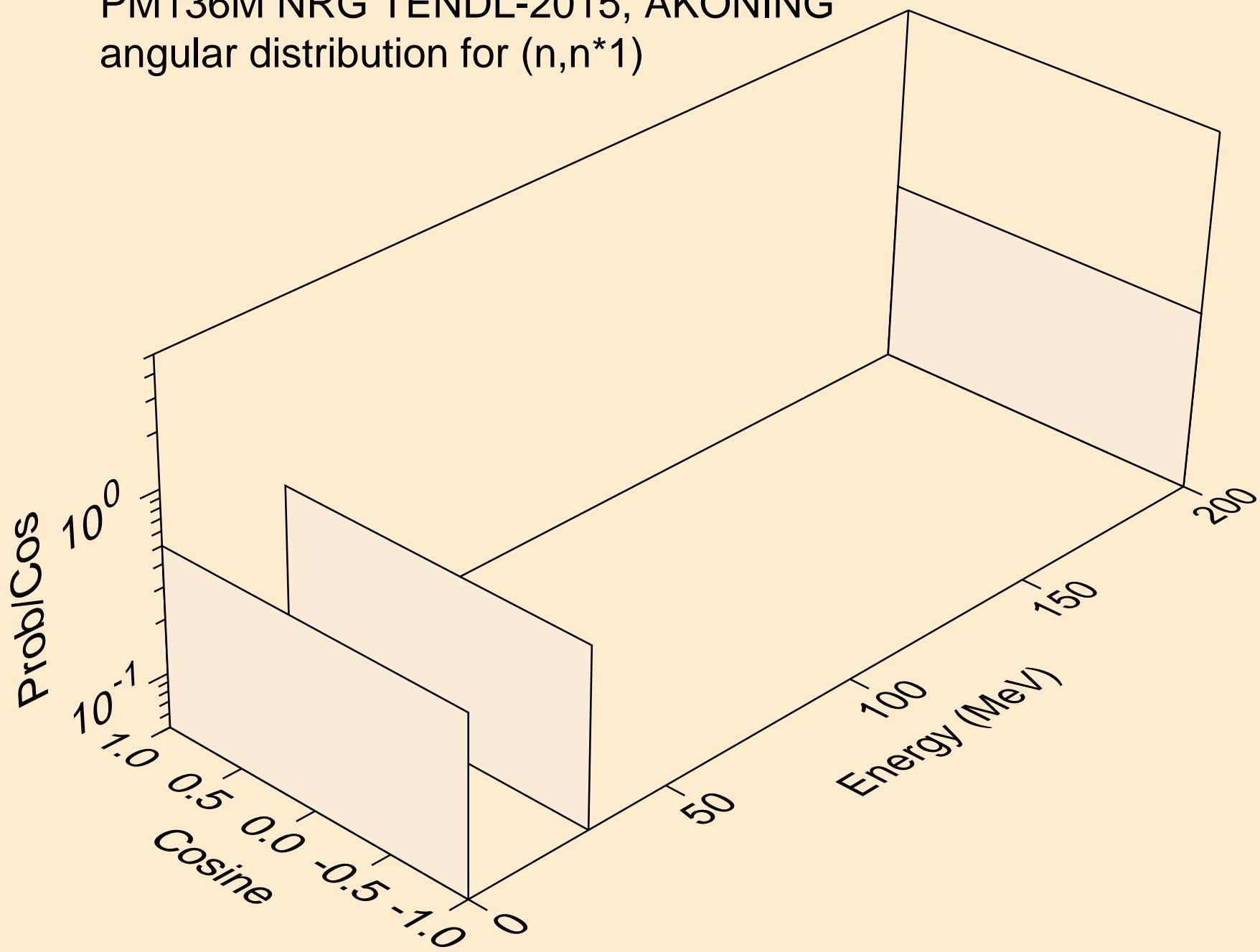
PM136M NRG TENDL-2015, AKONING  
angular distribution for elastic



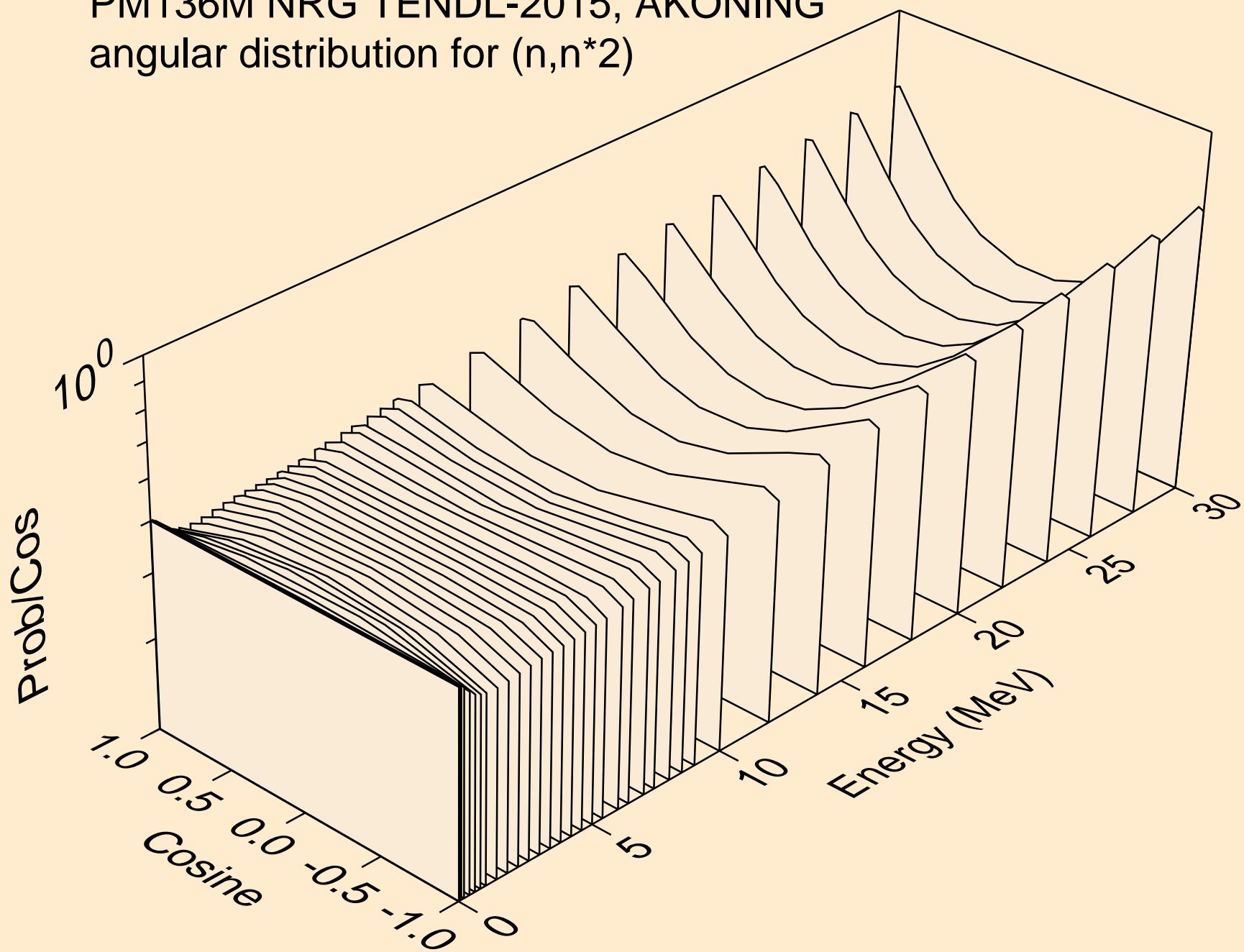
PM136M NRG TENDL-2015, AKONING  
angular distribution for elastic



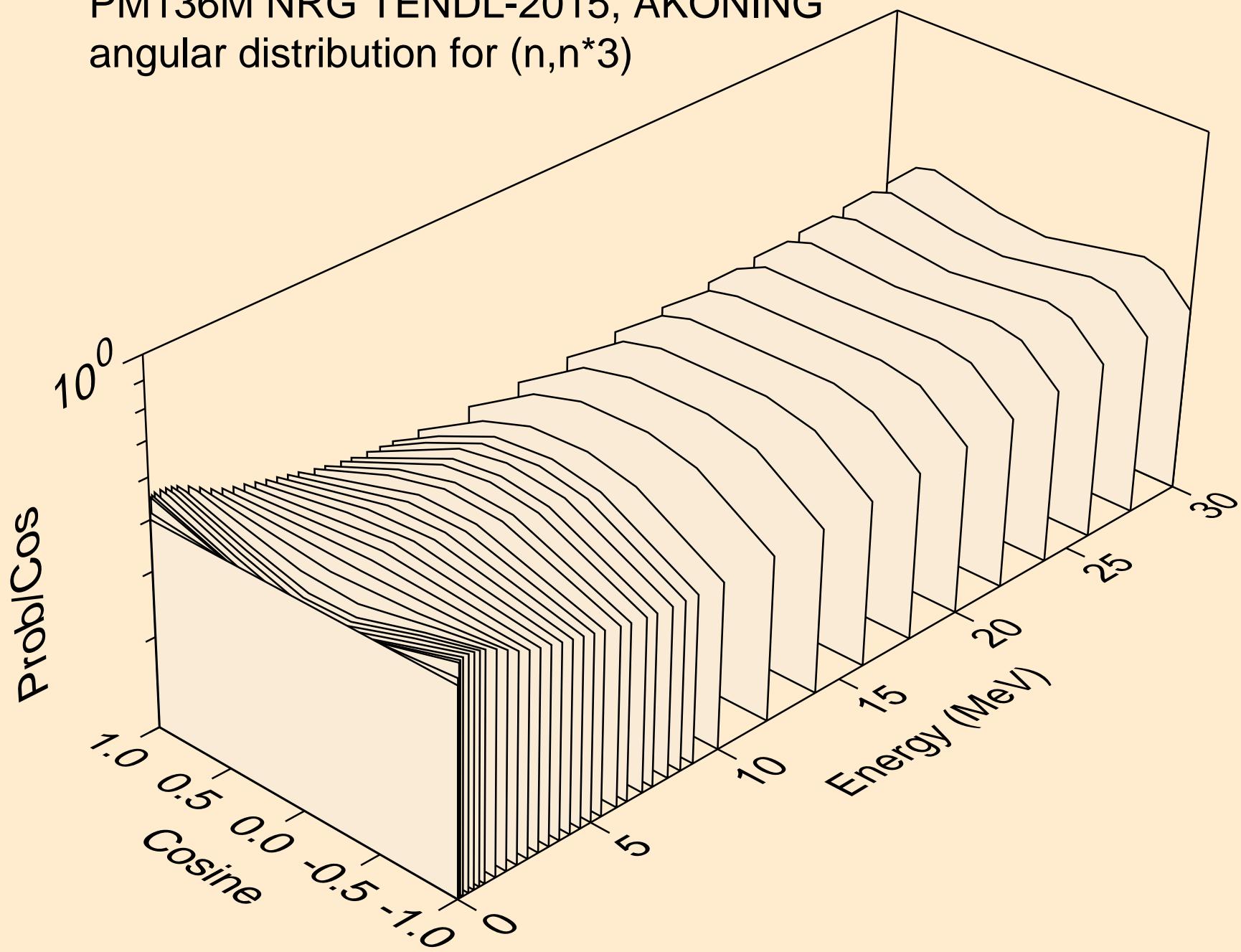
PM136M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



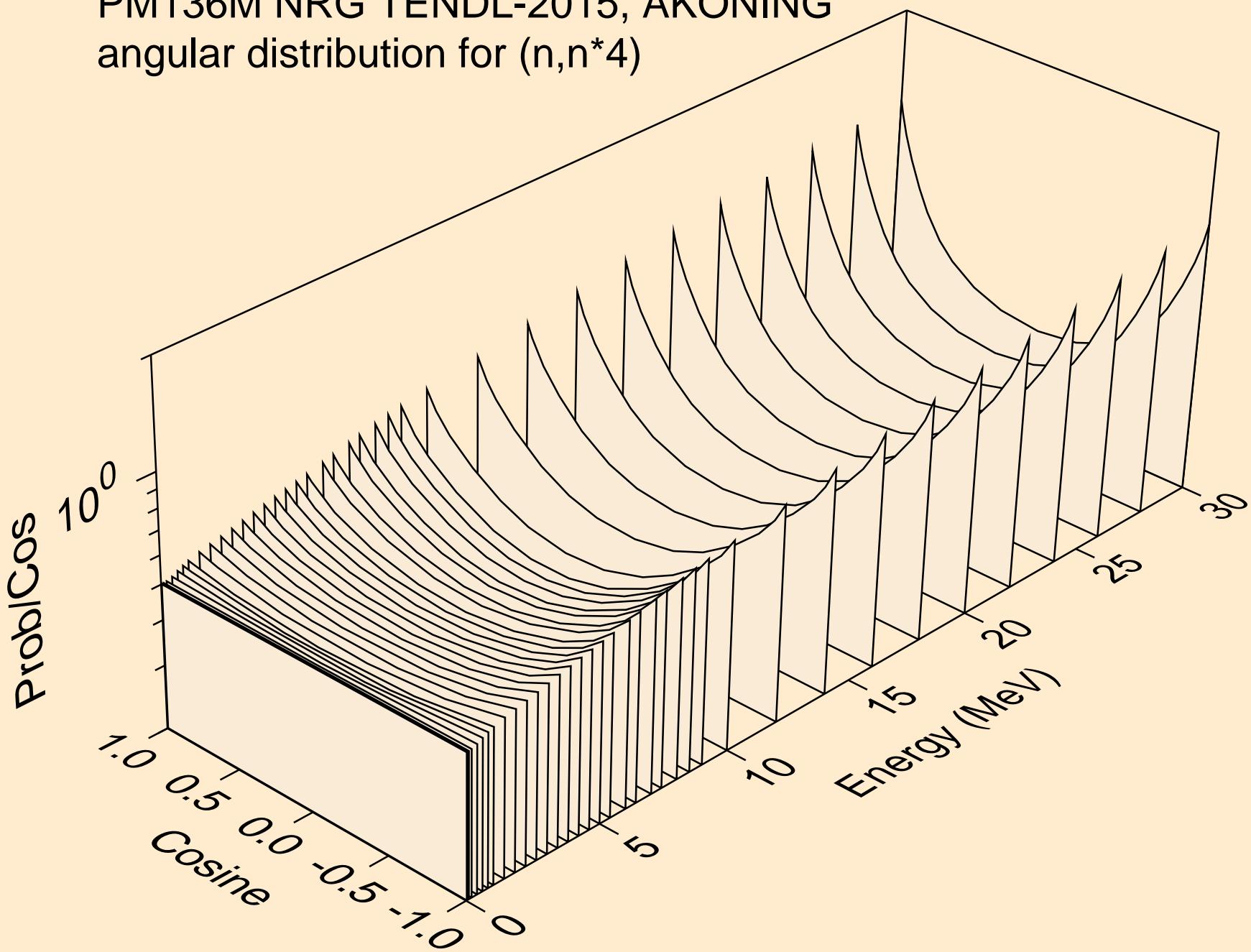
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^2$



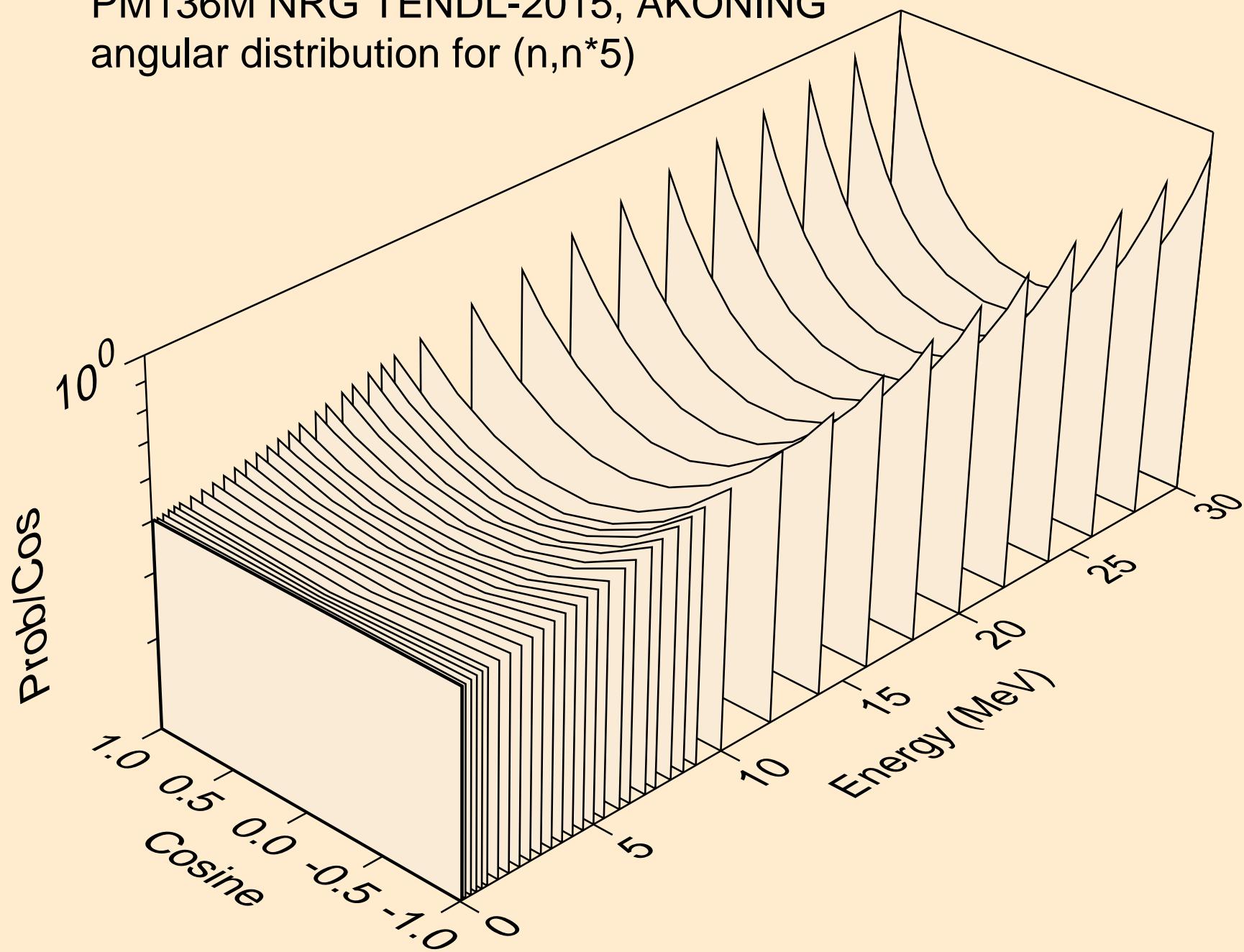
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



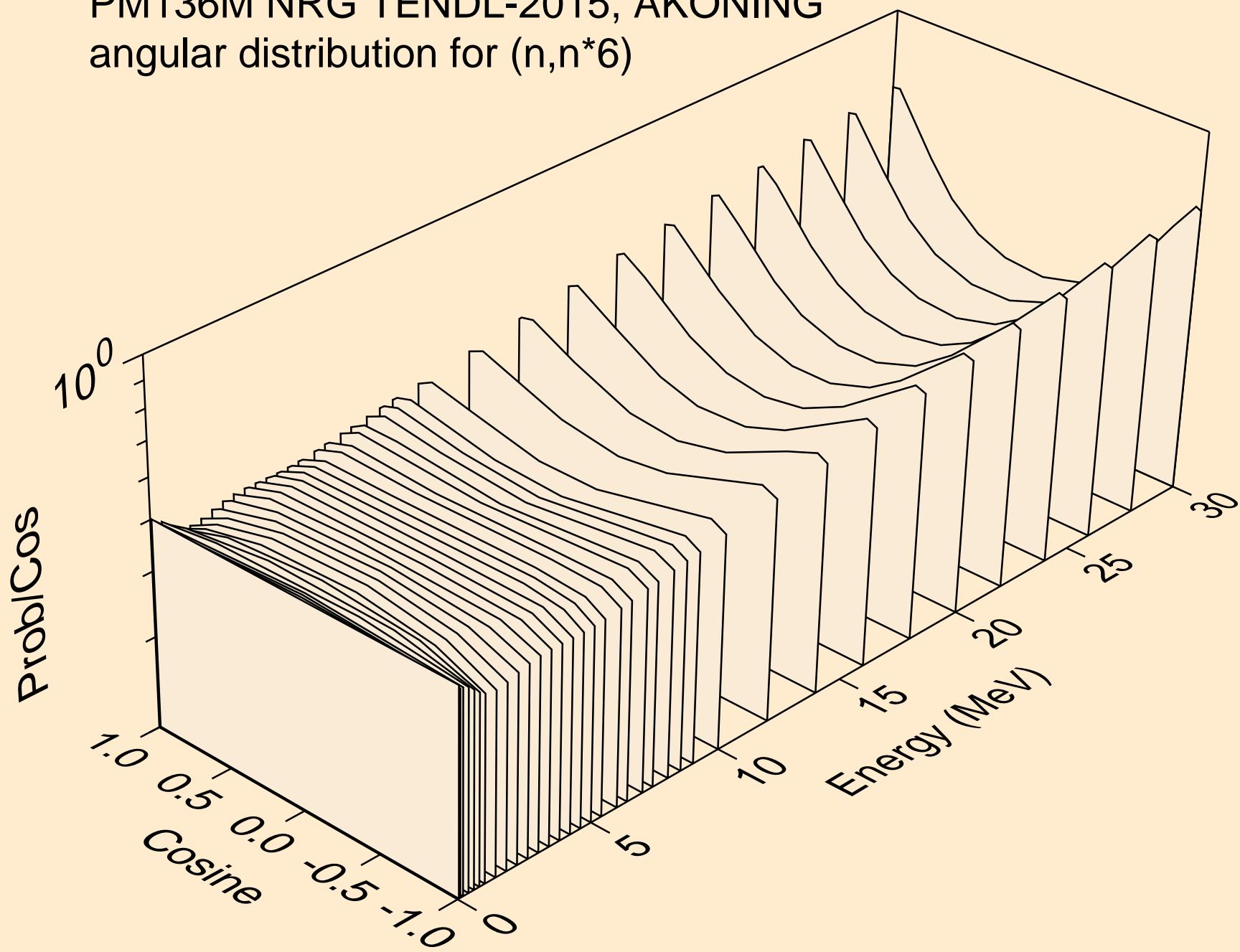
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



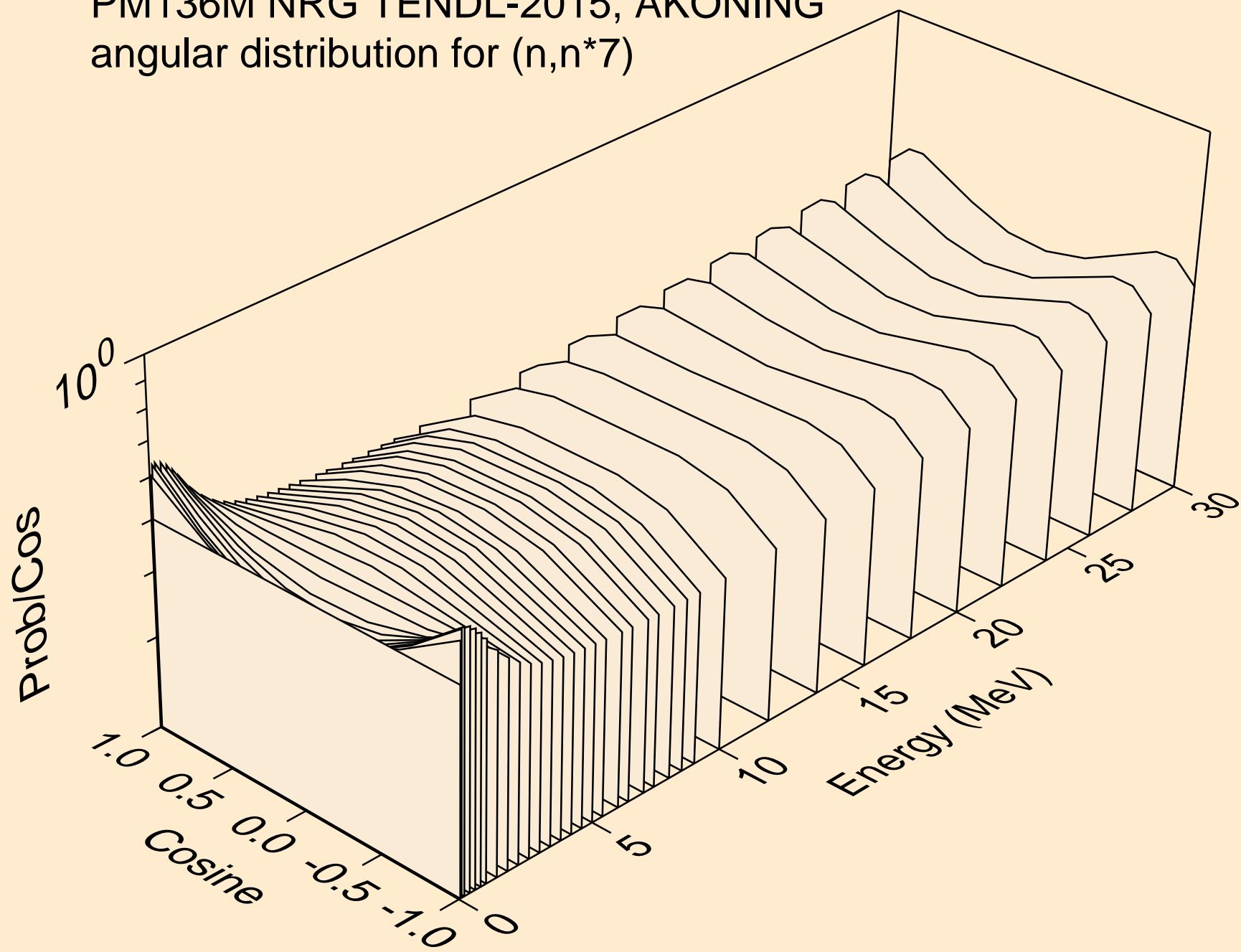
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



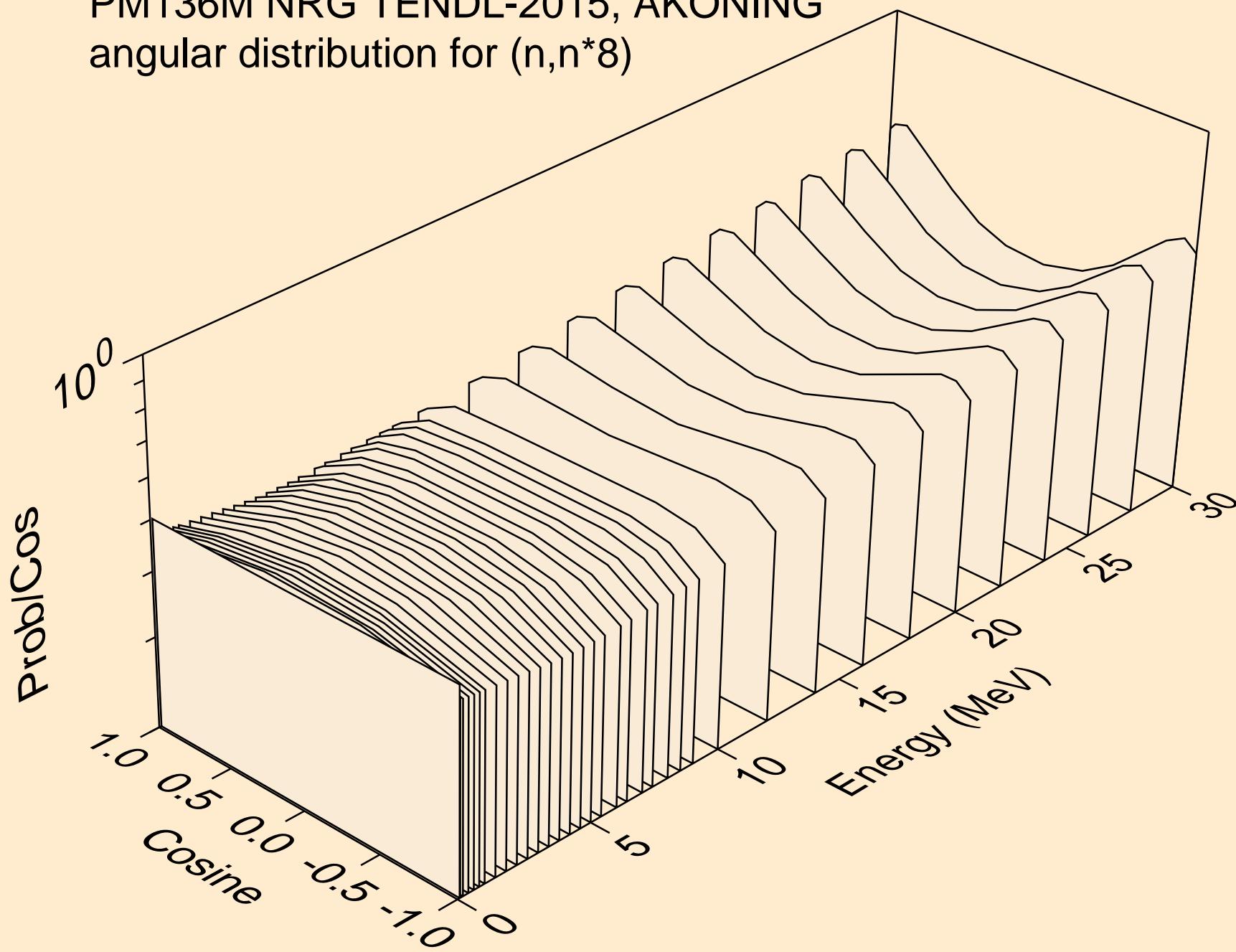
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



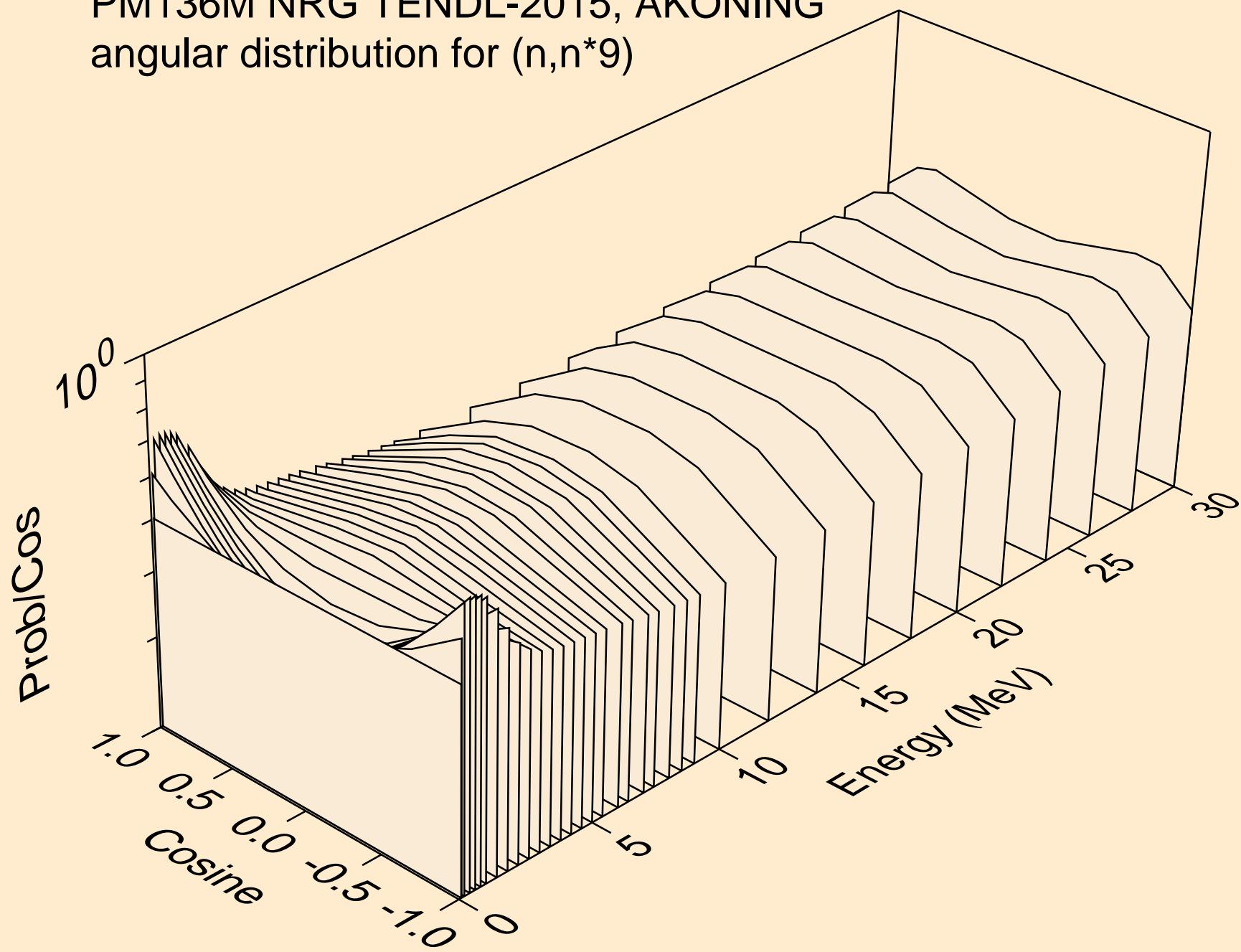
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angular distribution for  $(n,n^*)^7$



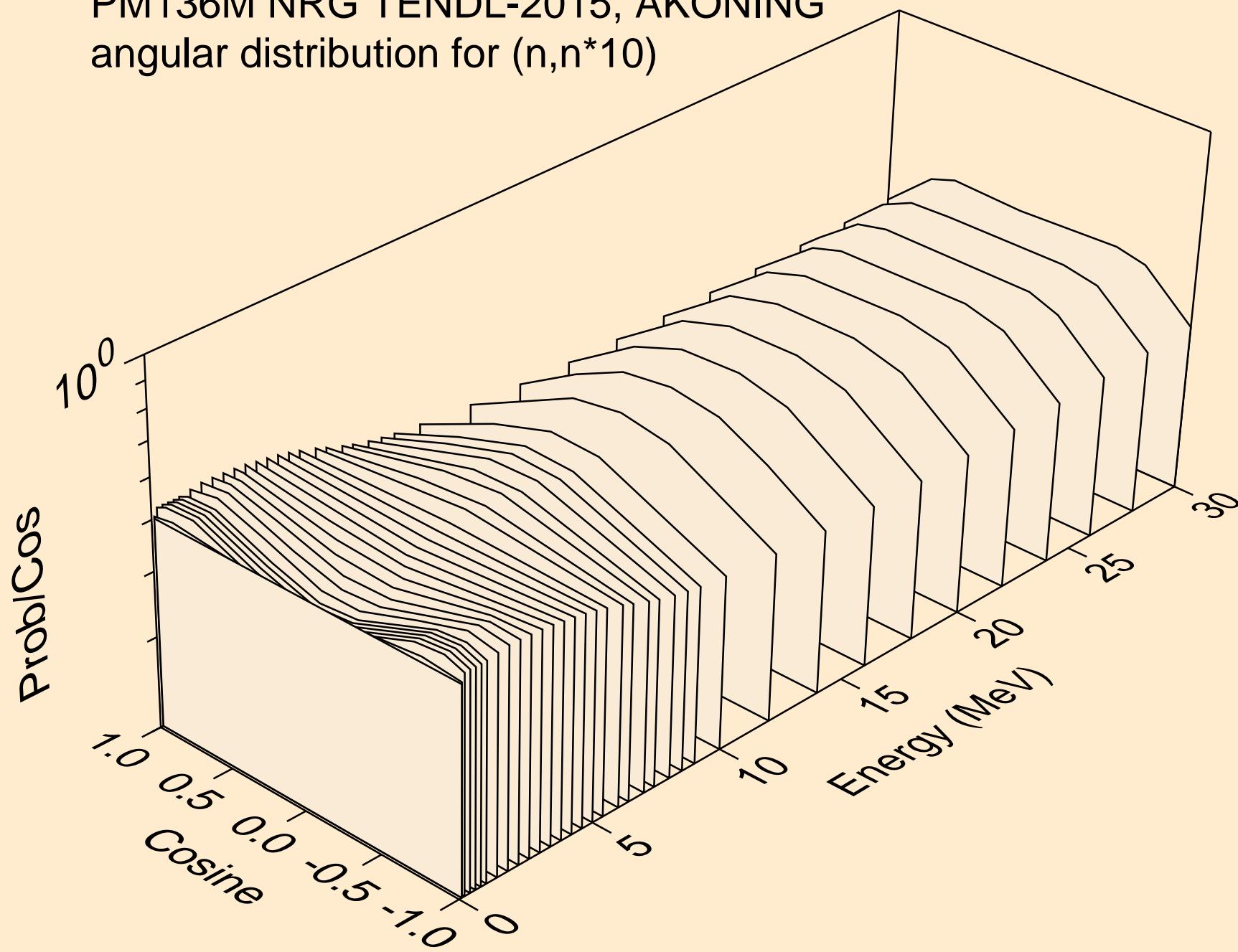
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



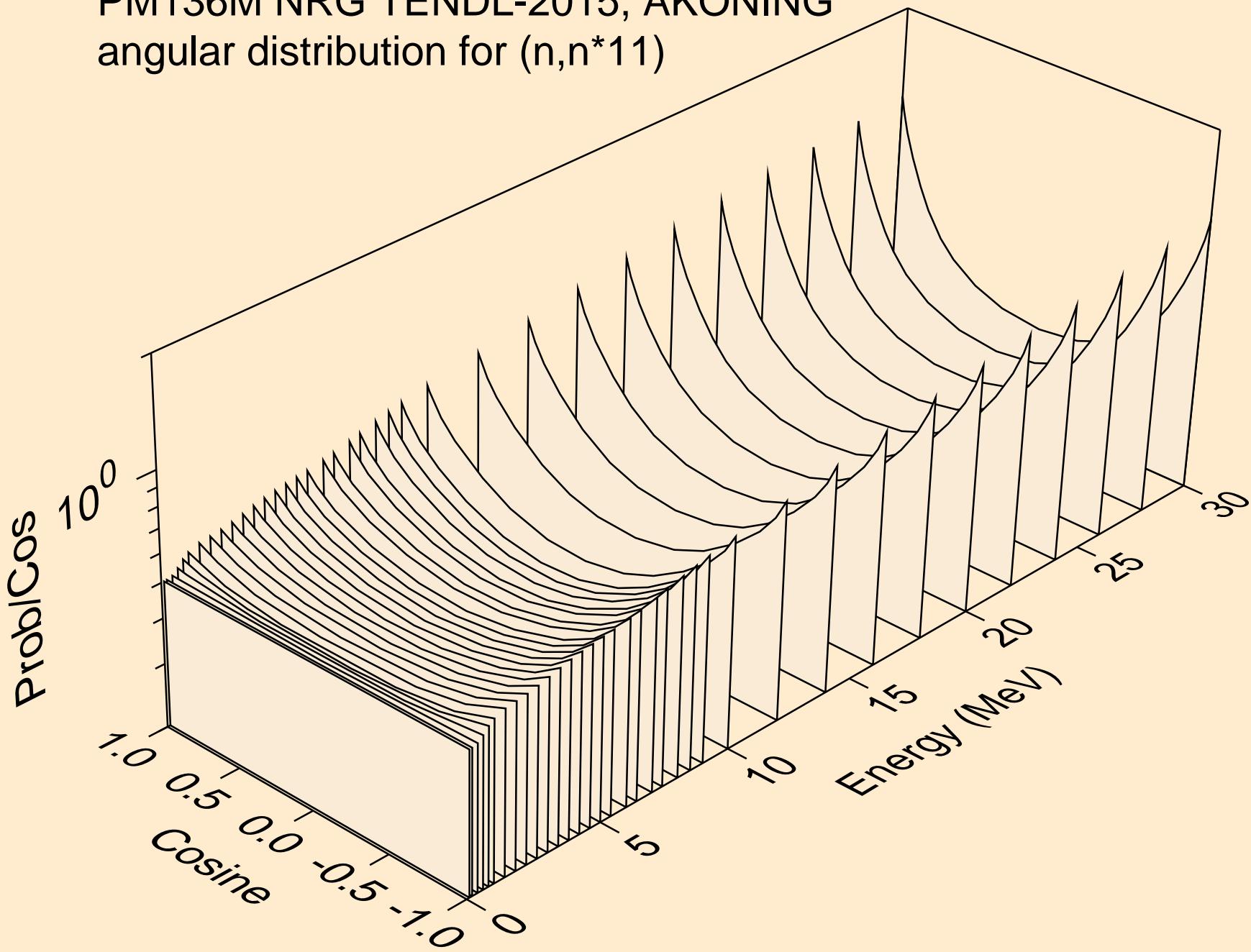
PM136M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



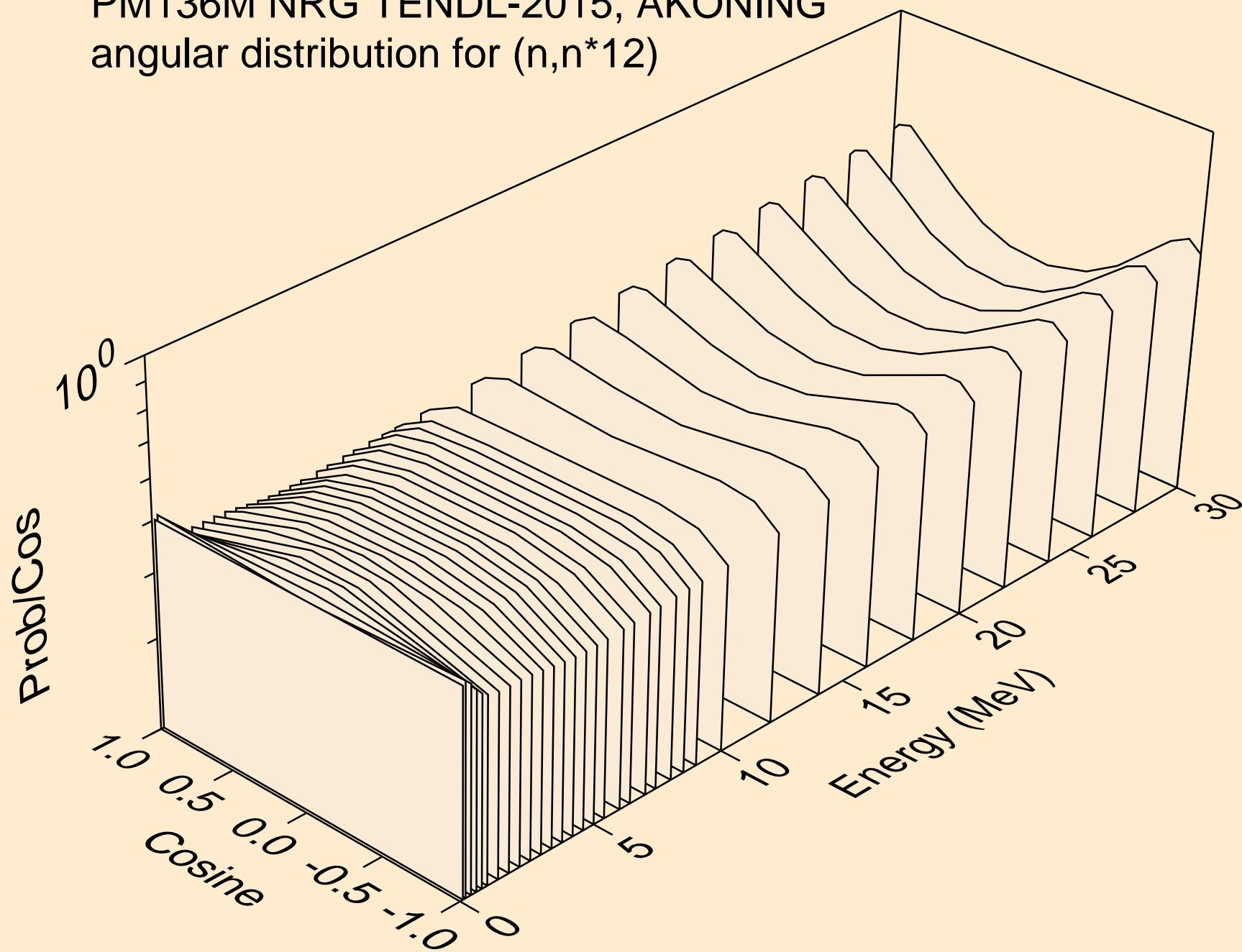
PM136M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



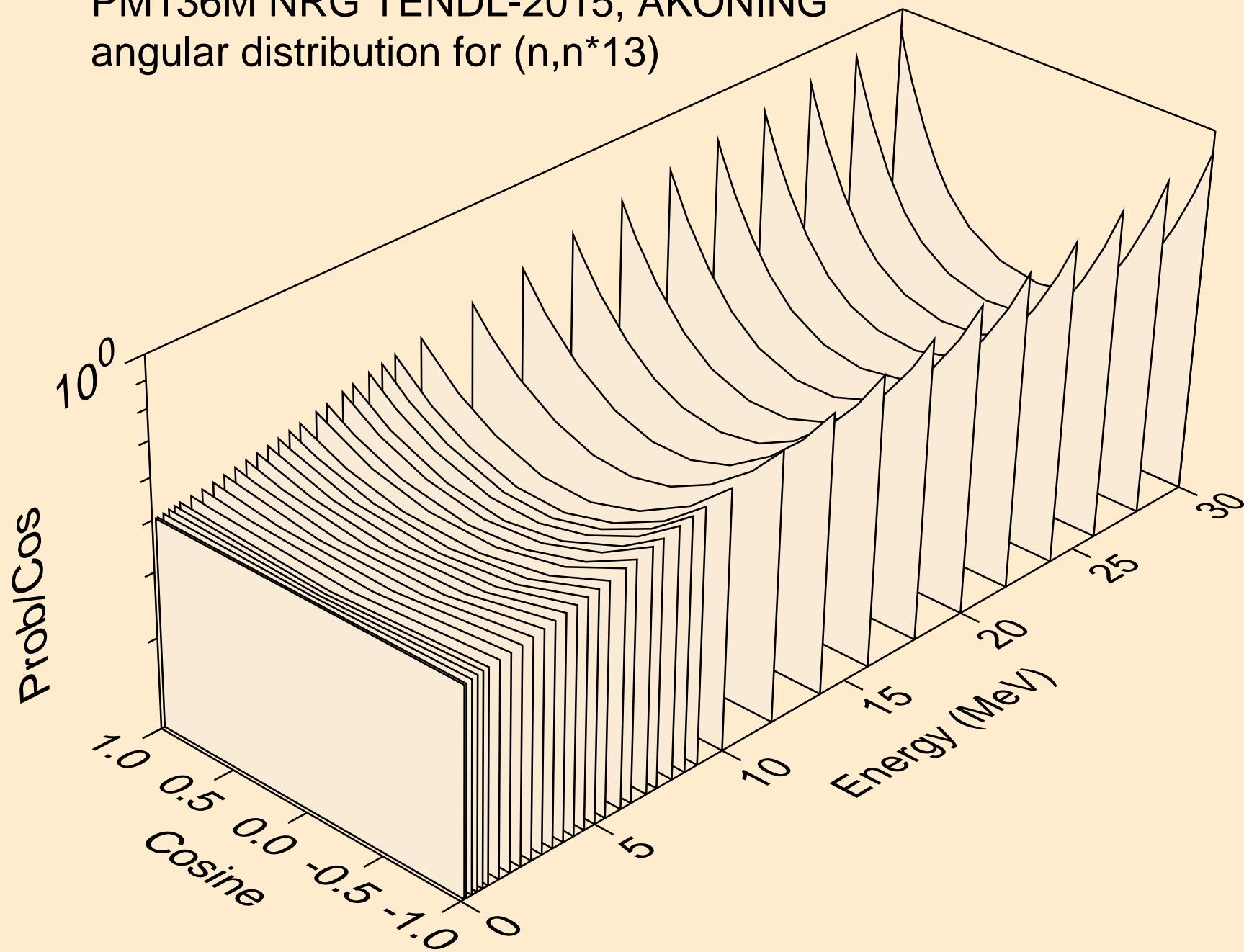
PM136M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



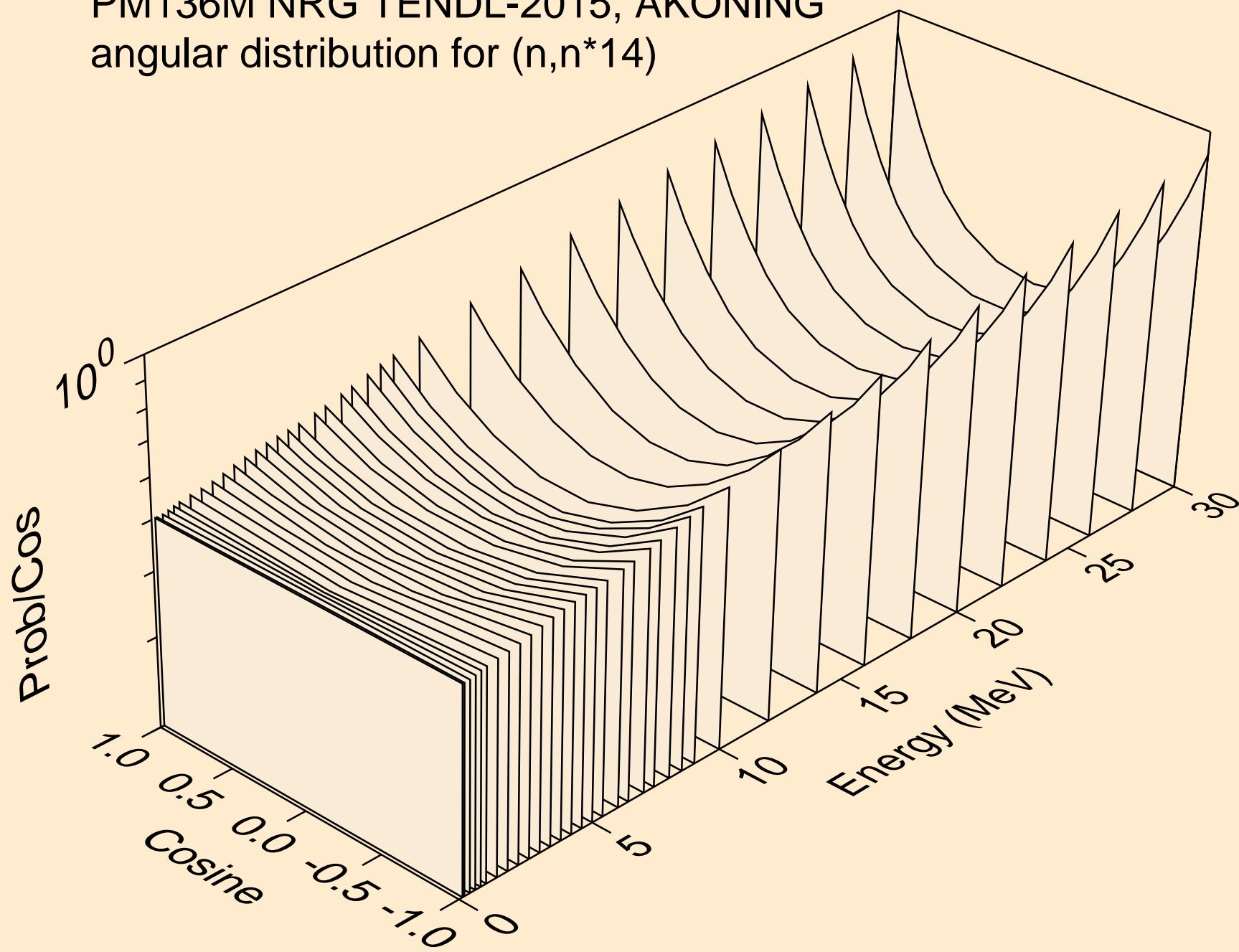
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angular distribution for (n,n\*12)



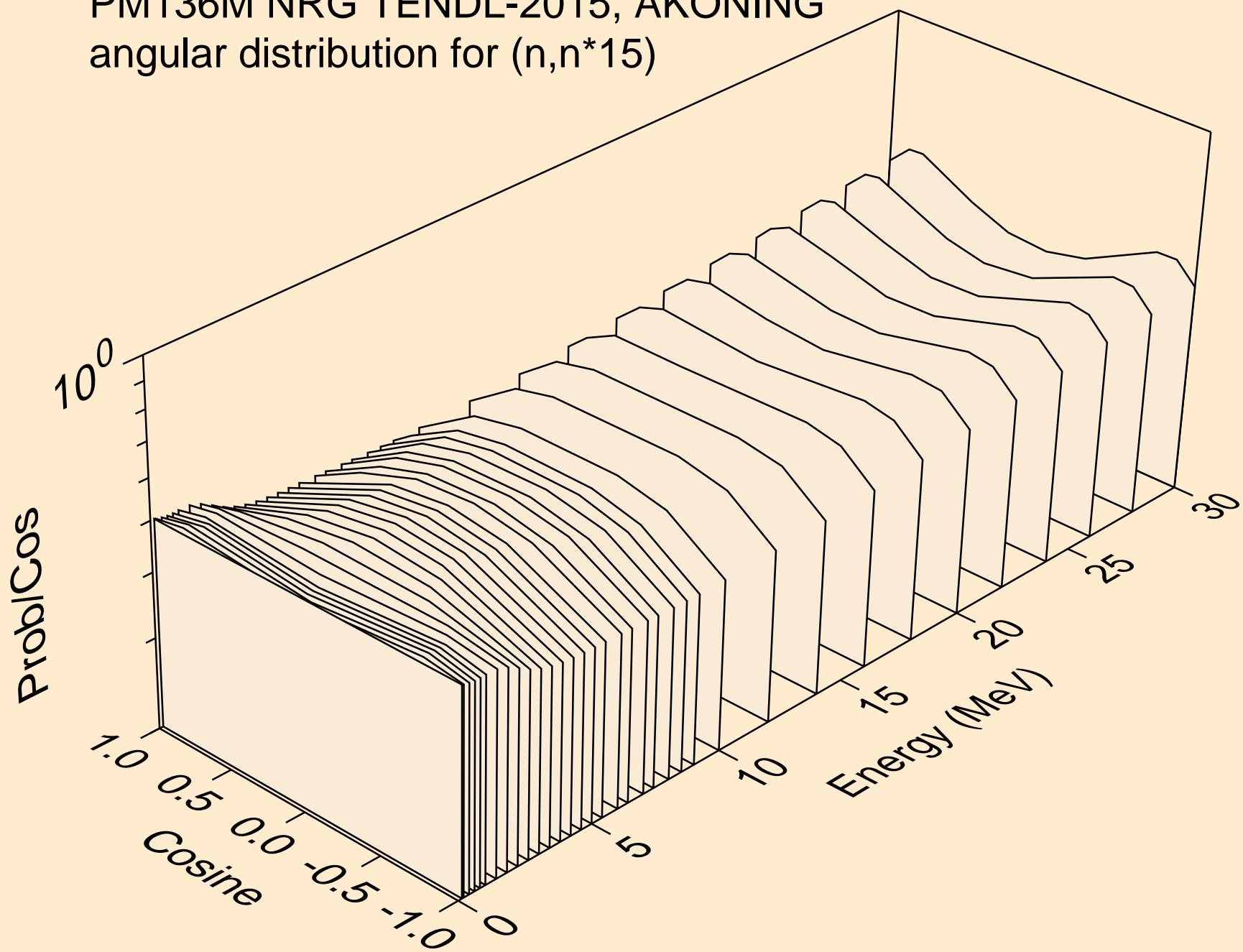
PM136M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



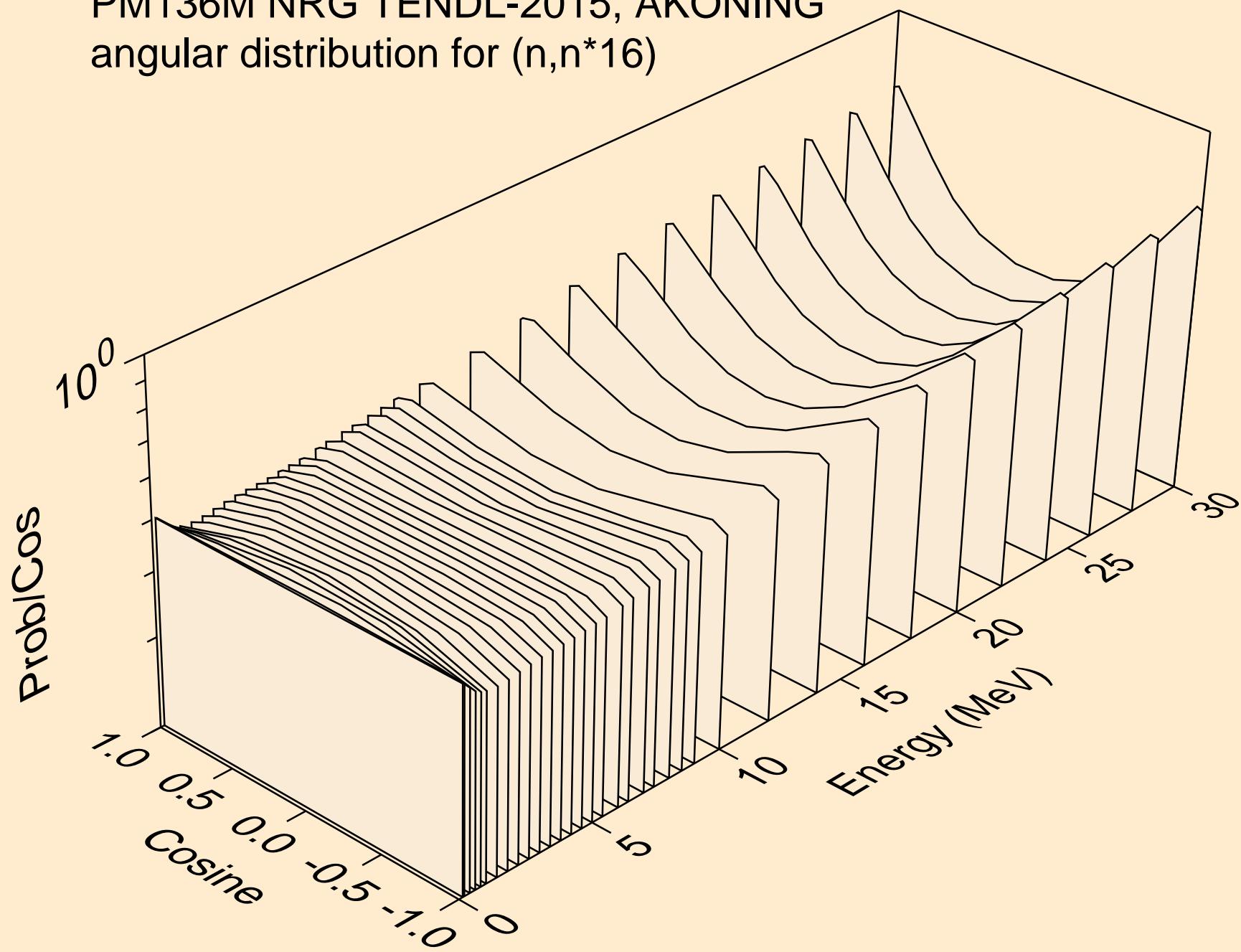
PM136M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



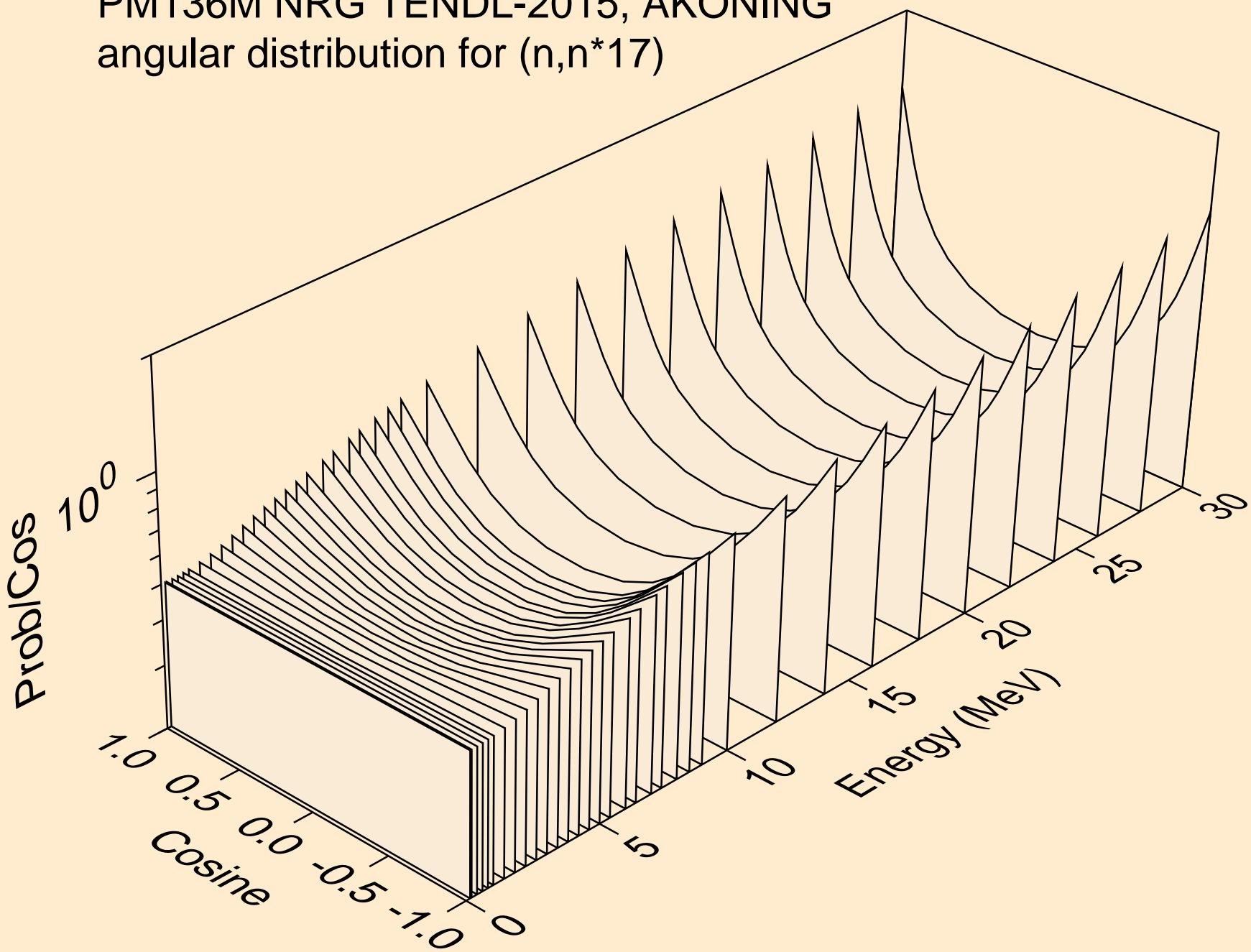
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*15)$



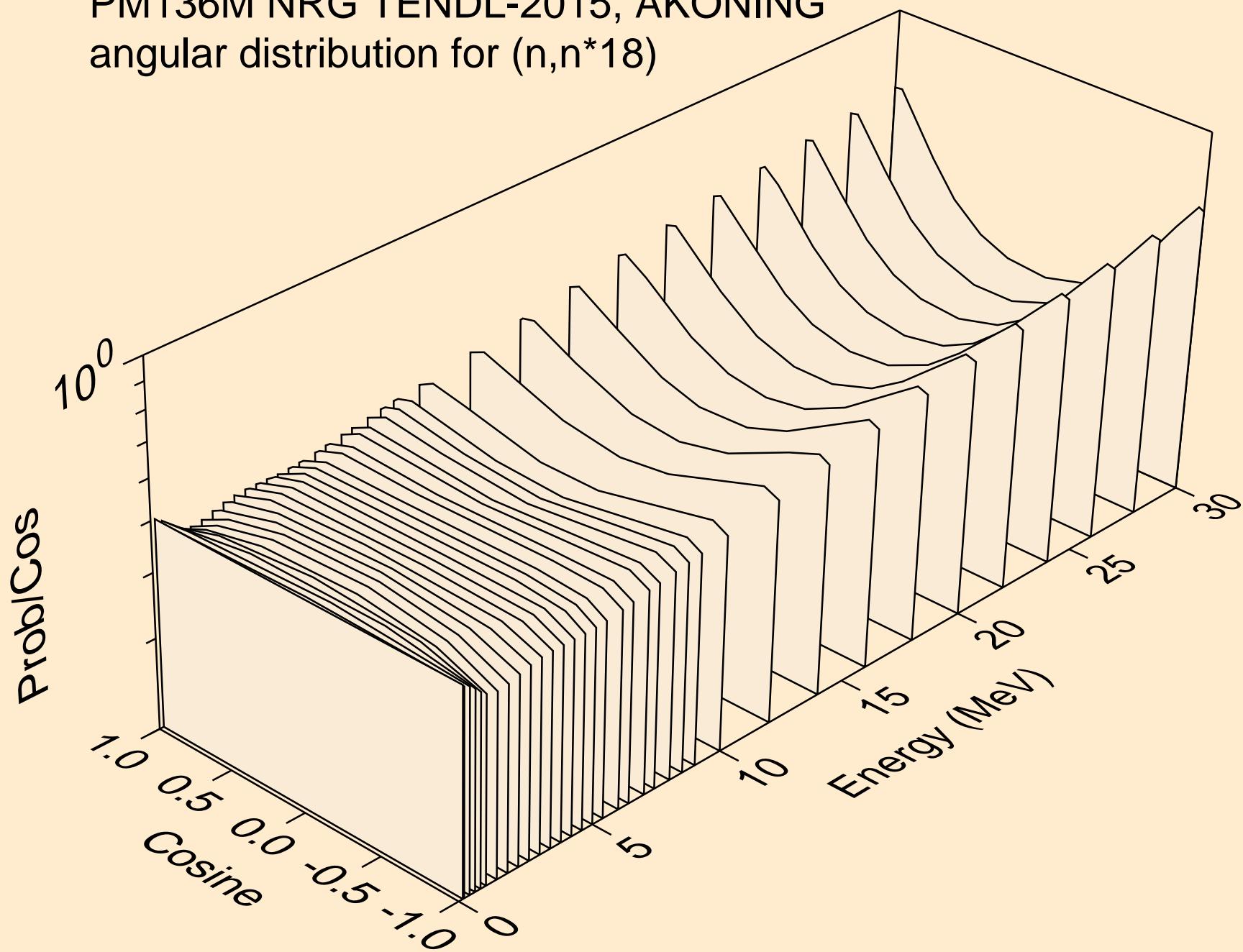
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angular distribution for (n,n\*16)



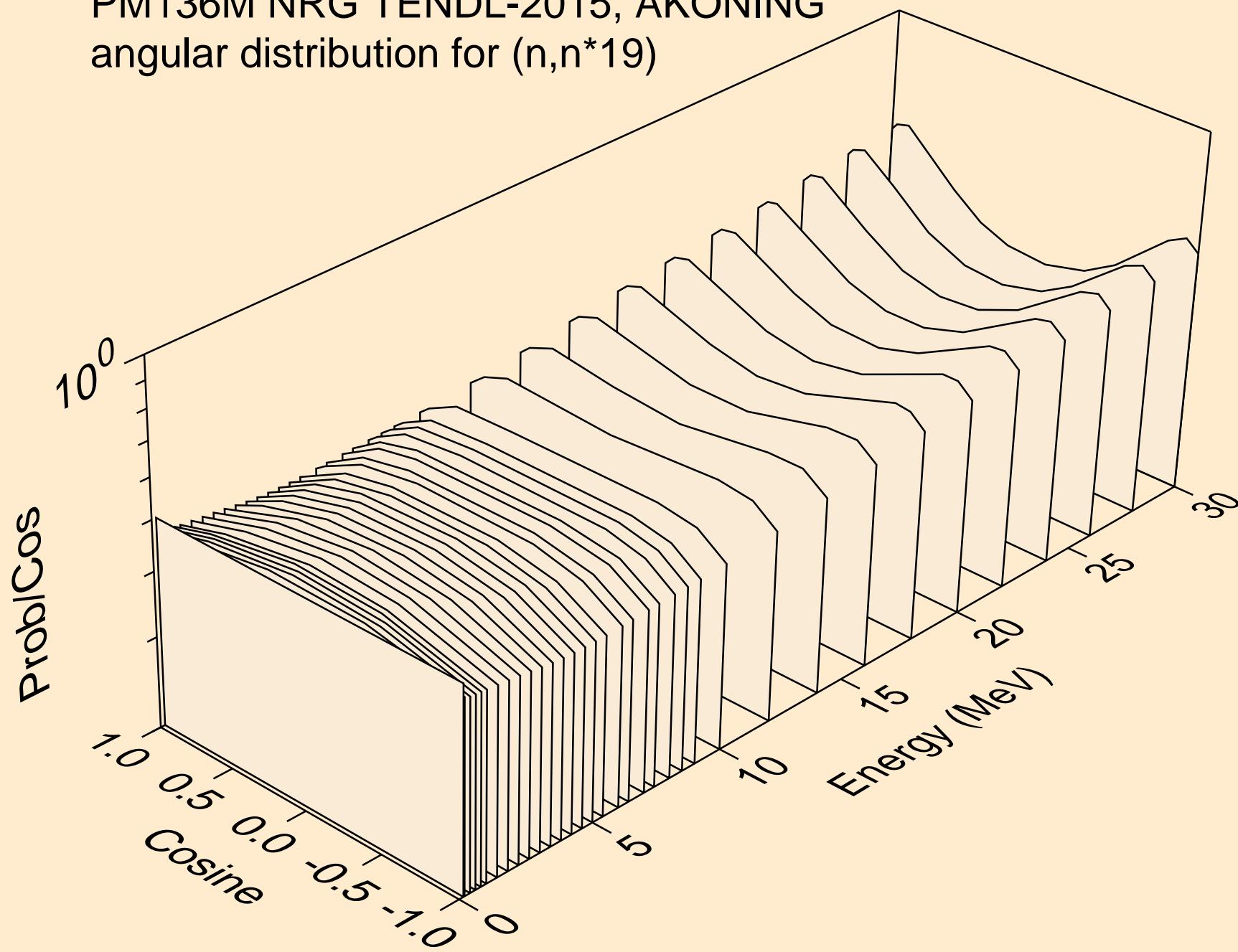
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angular distribution for (n,n\*17)



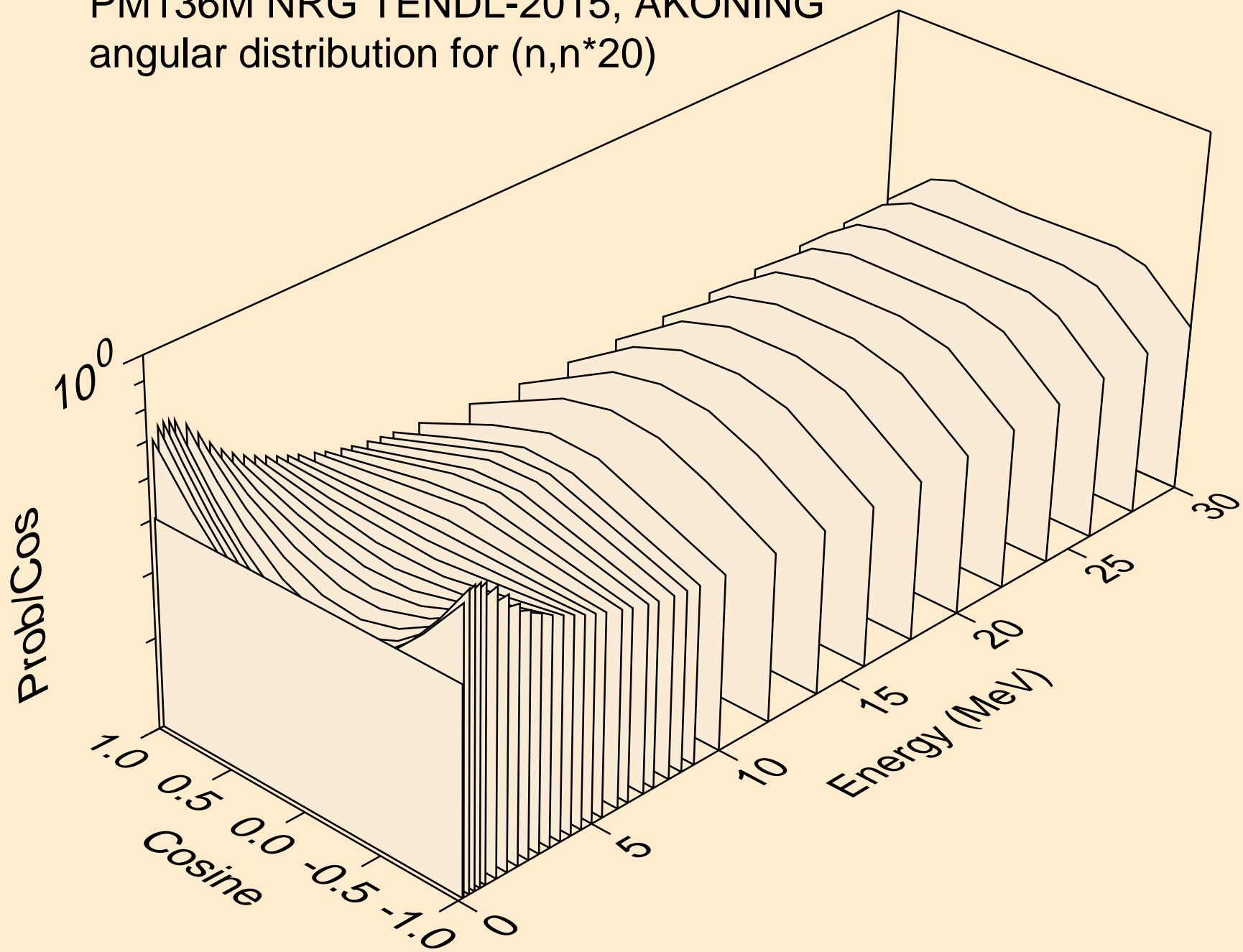
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angular distribution for  $(n,n^*18)$



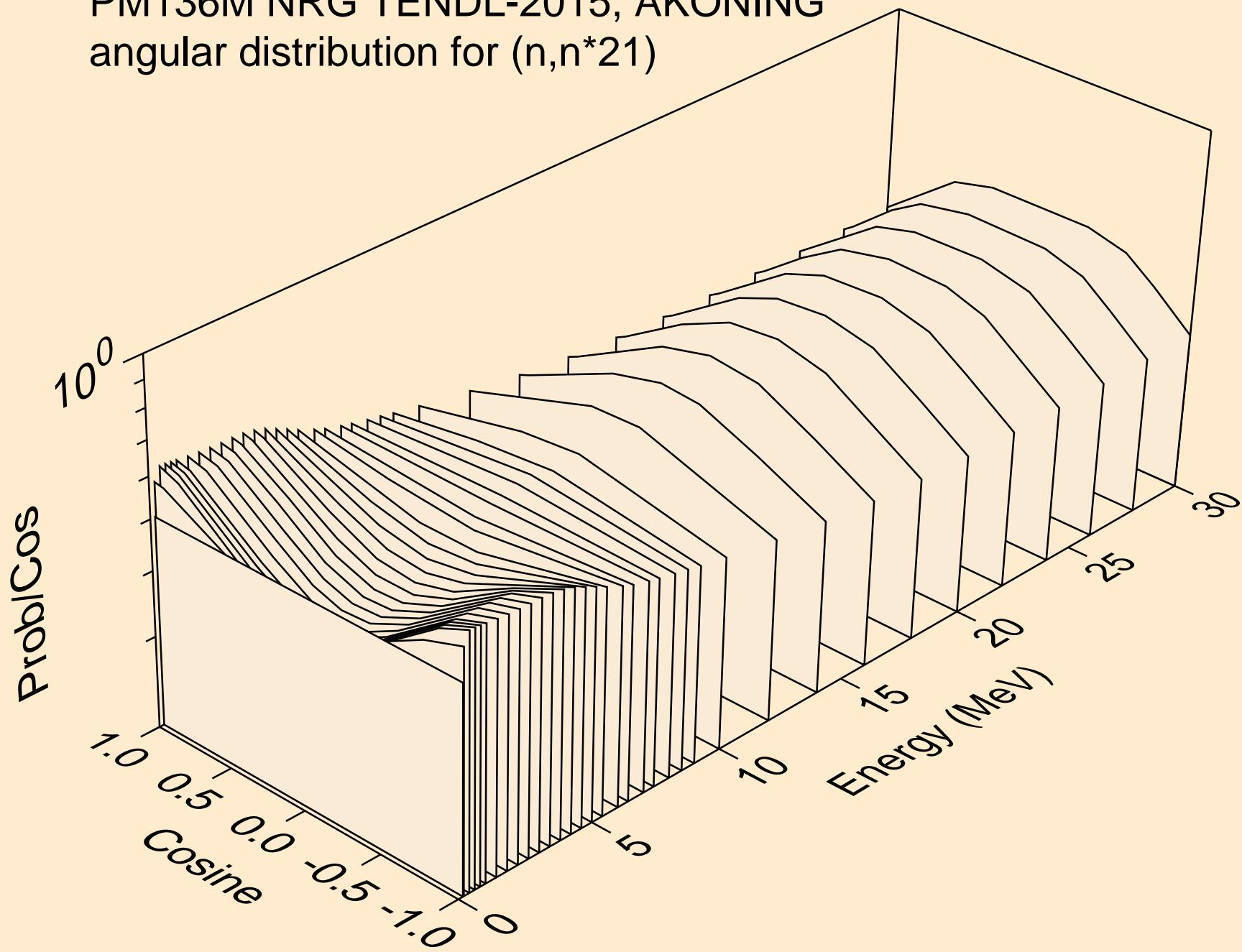
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angular distribution for (n,n\*19)



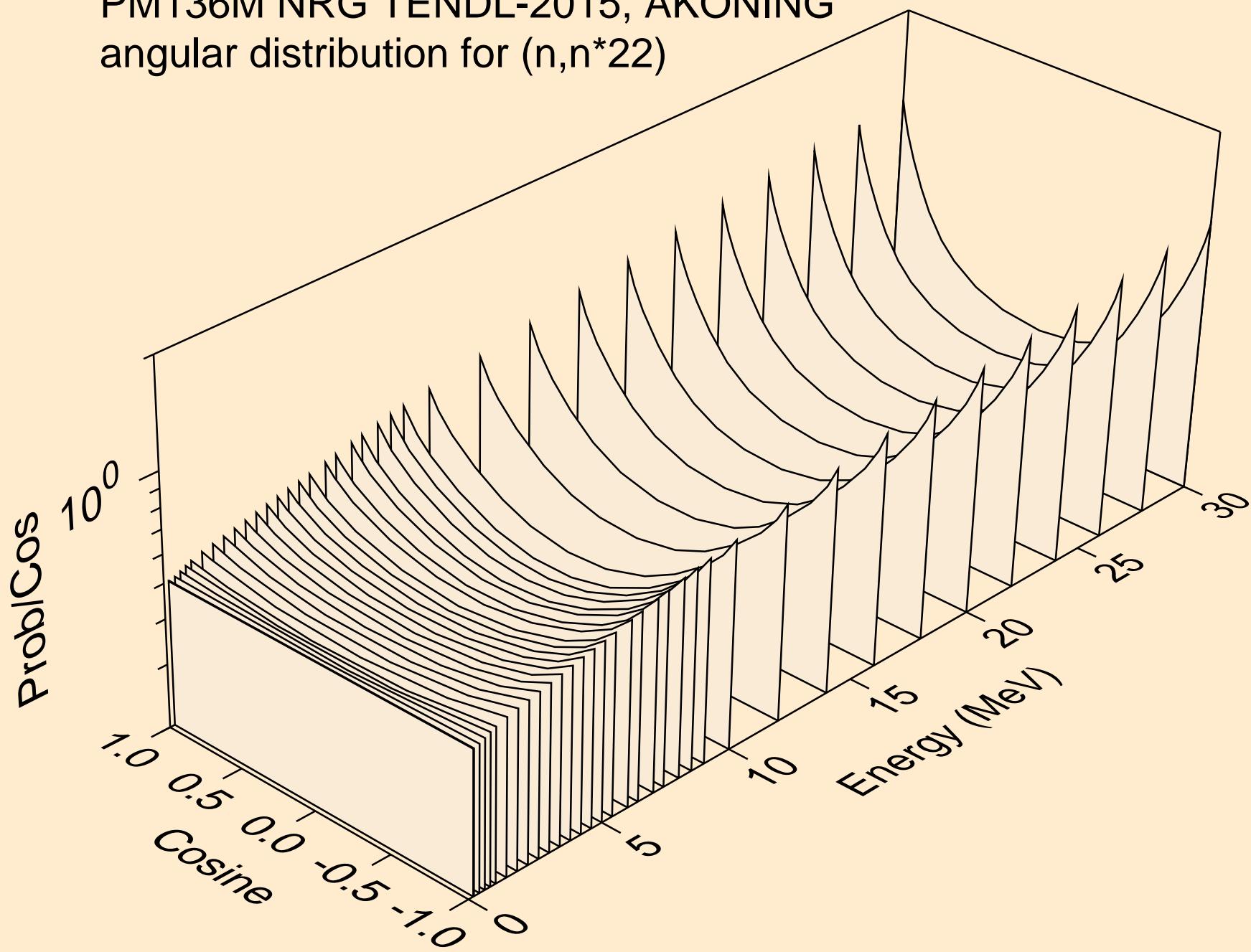
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)20$



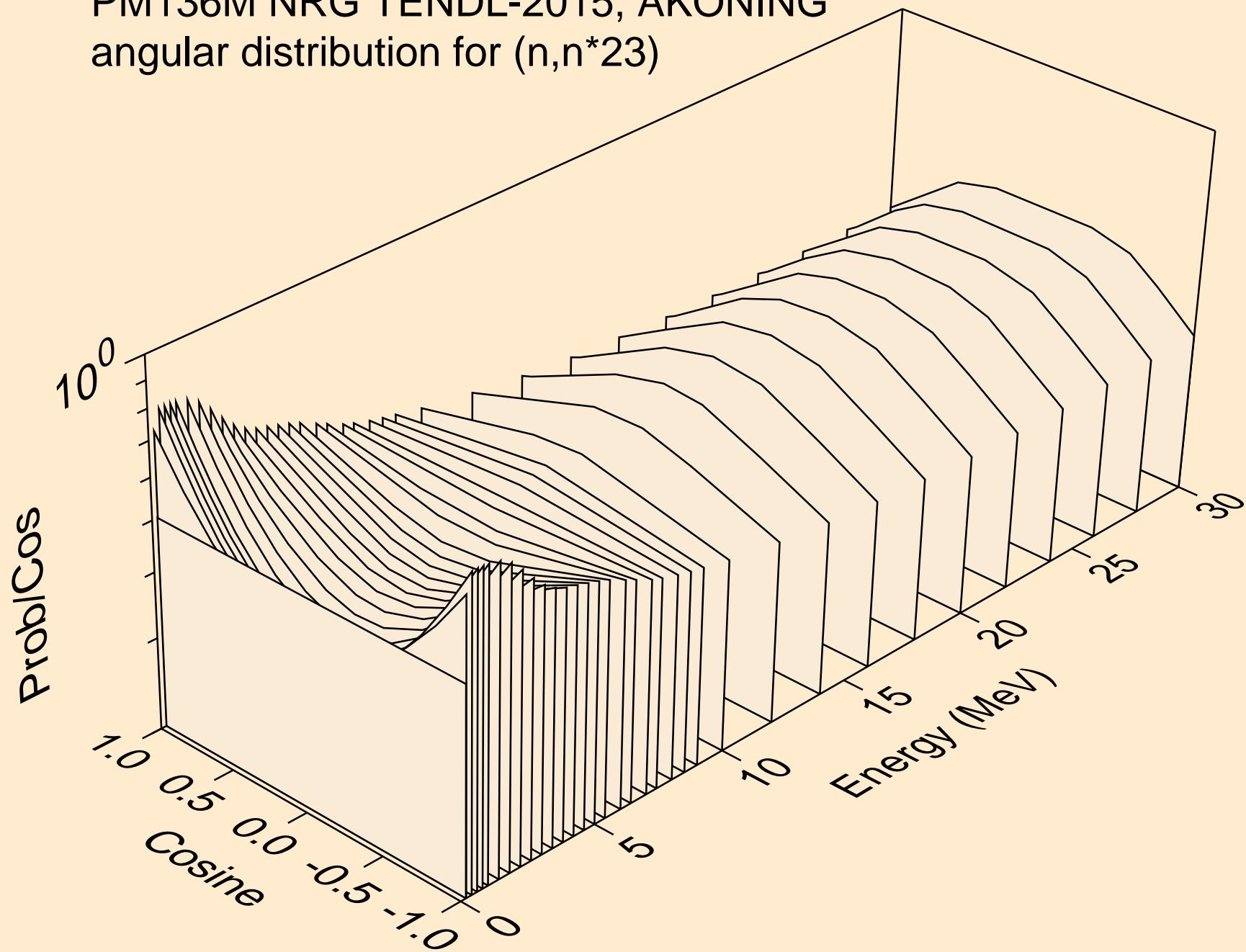
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angular distribution for (n,n\*21)



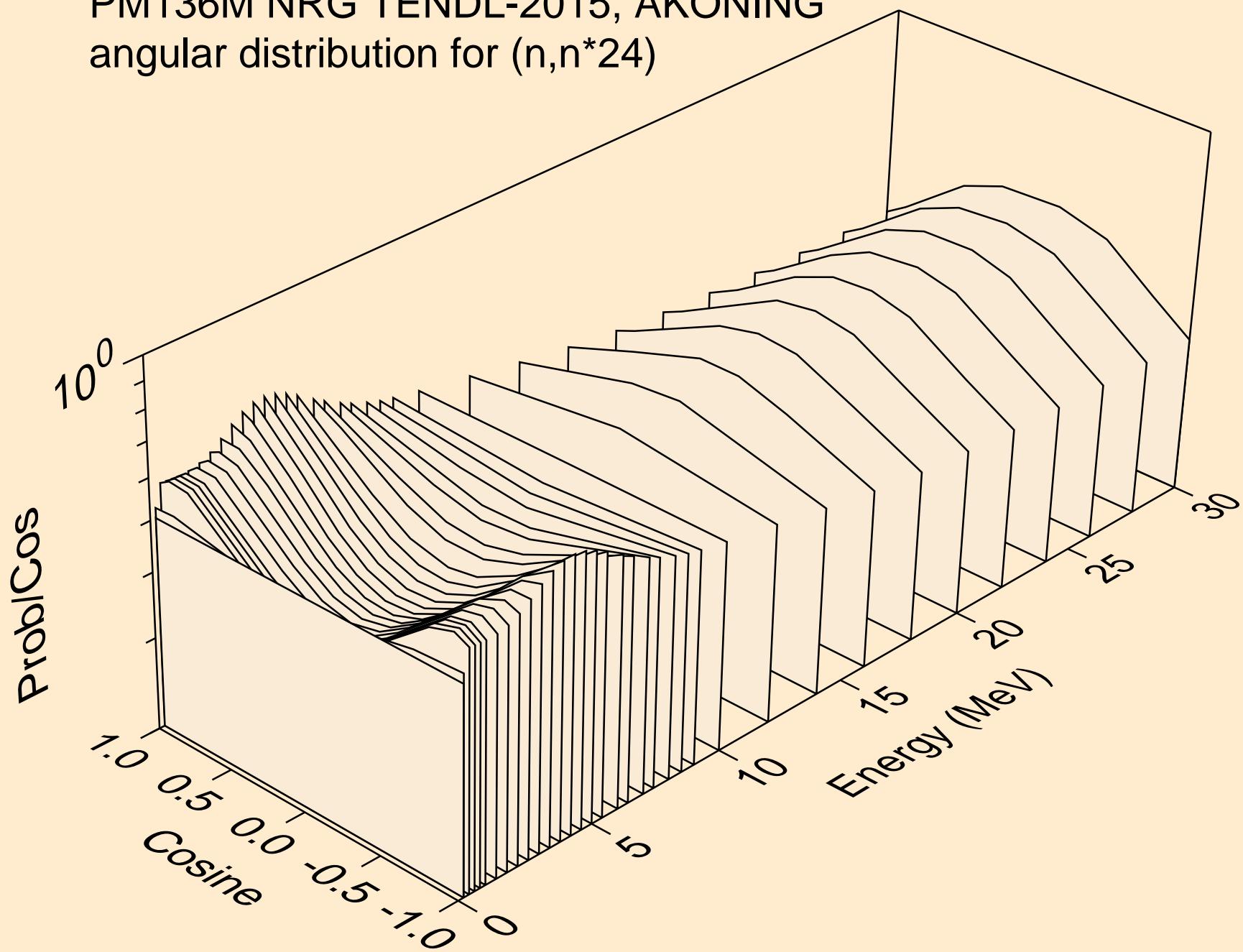
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angular distribution for  $(n,n^*)_{22}$



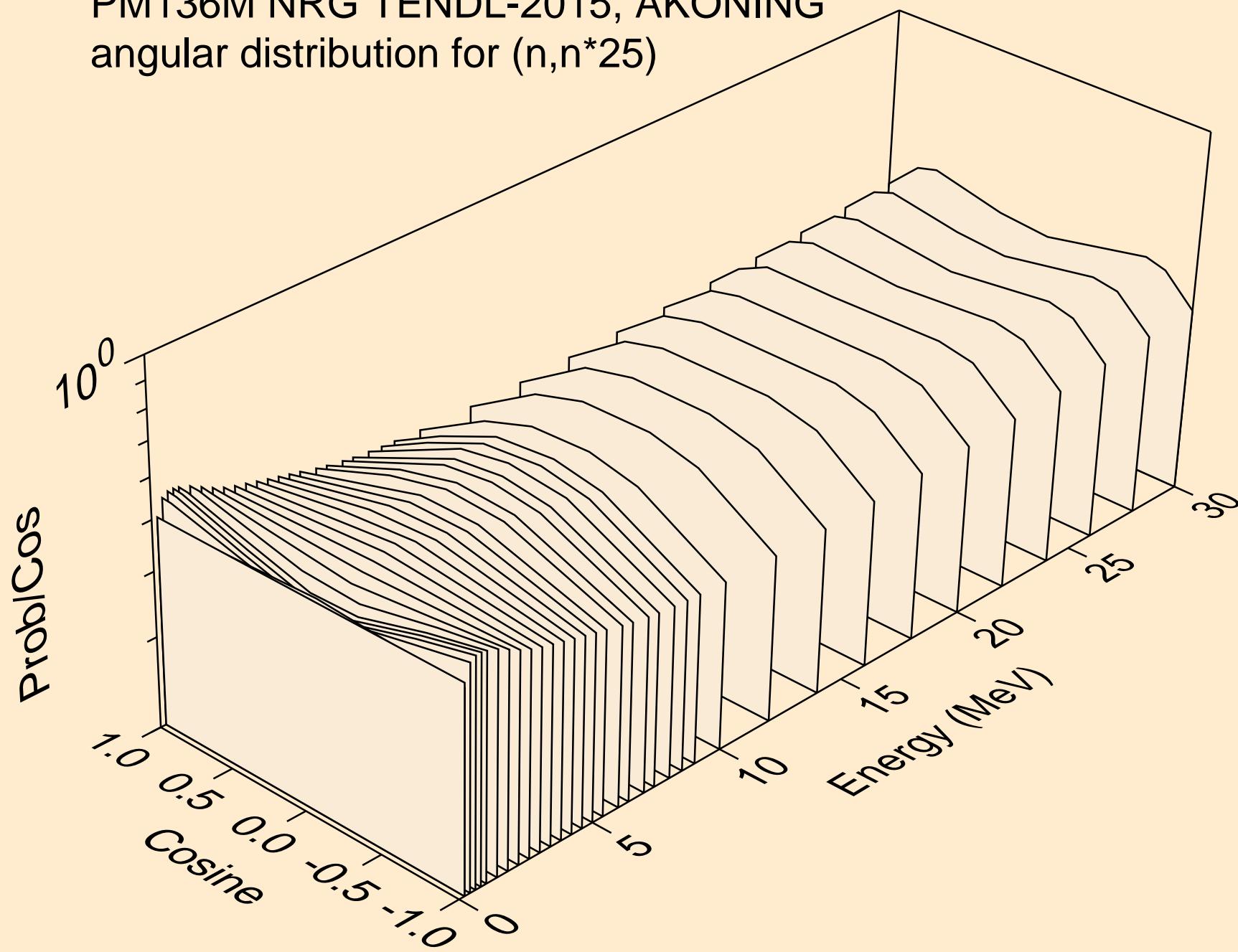
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angular distribution for (n,n\*23)



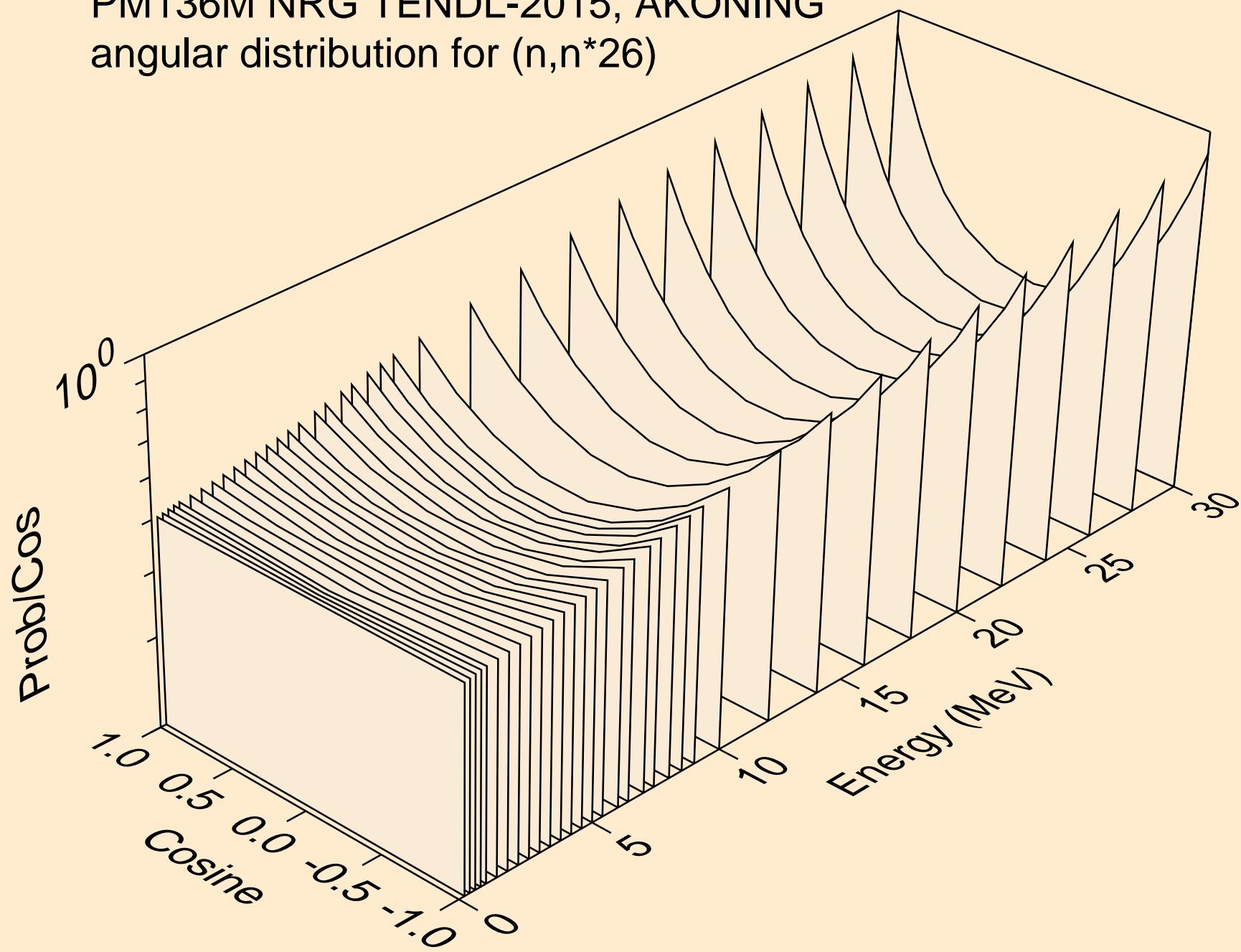
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angular distribution for (n,n\*24)



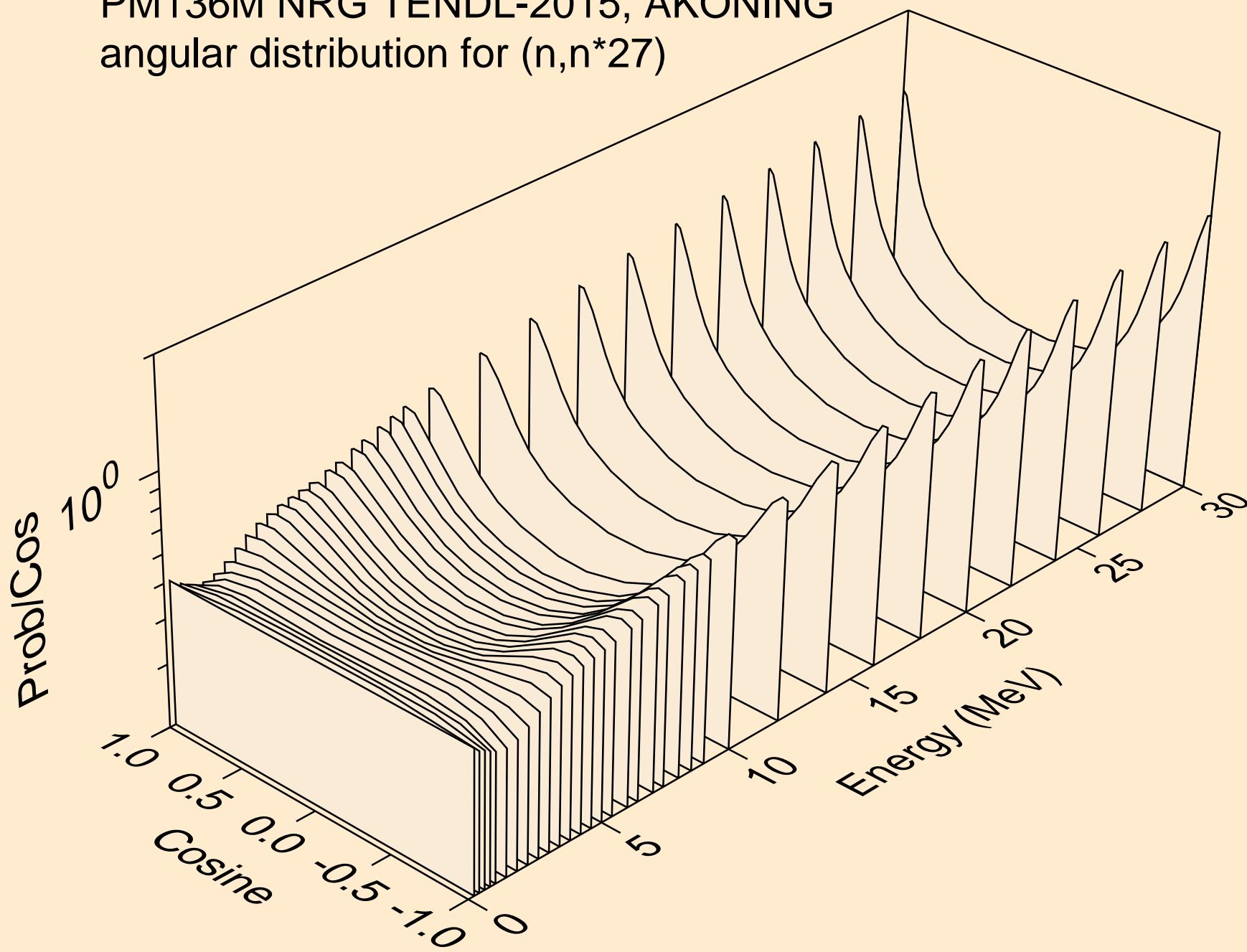
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{25}$



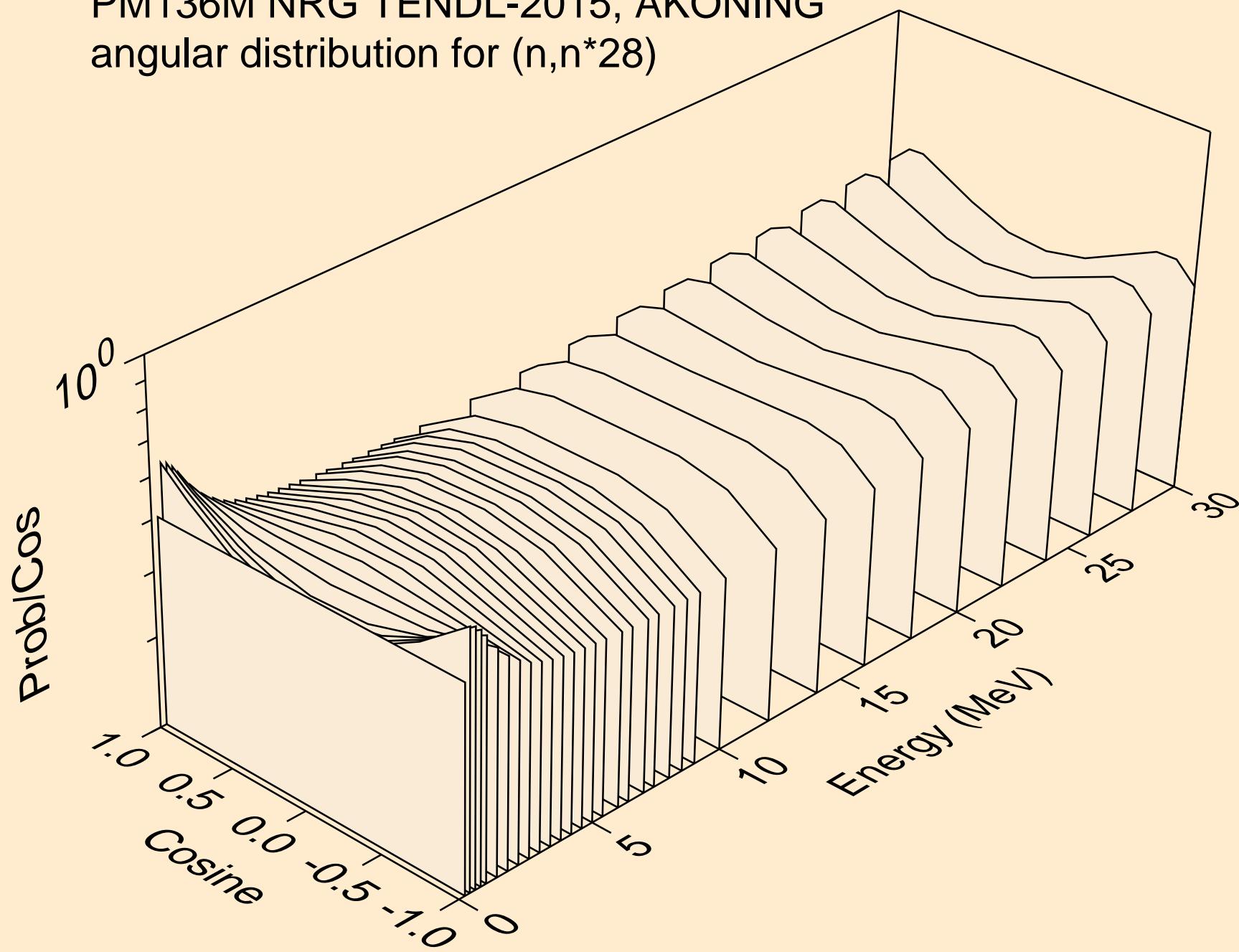
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{26}$



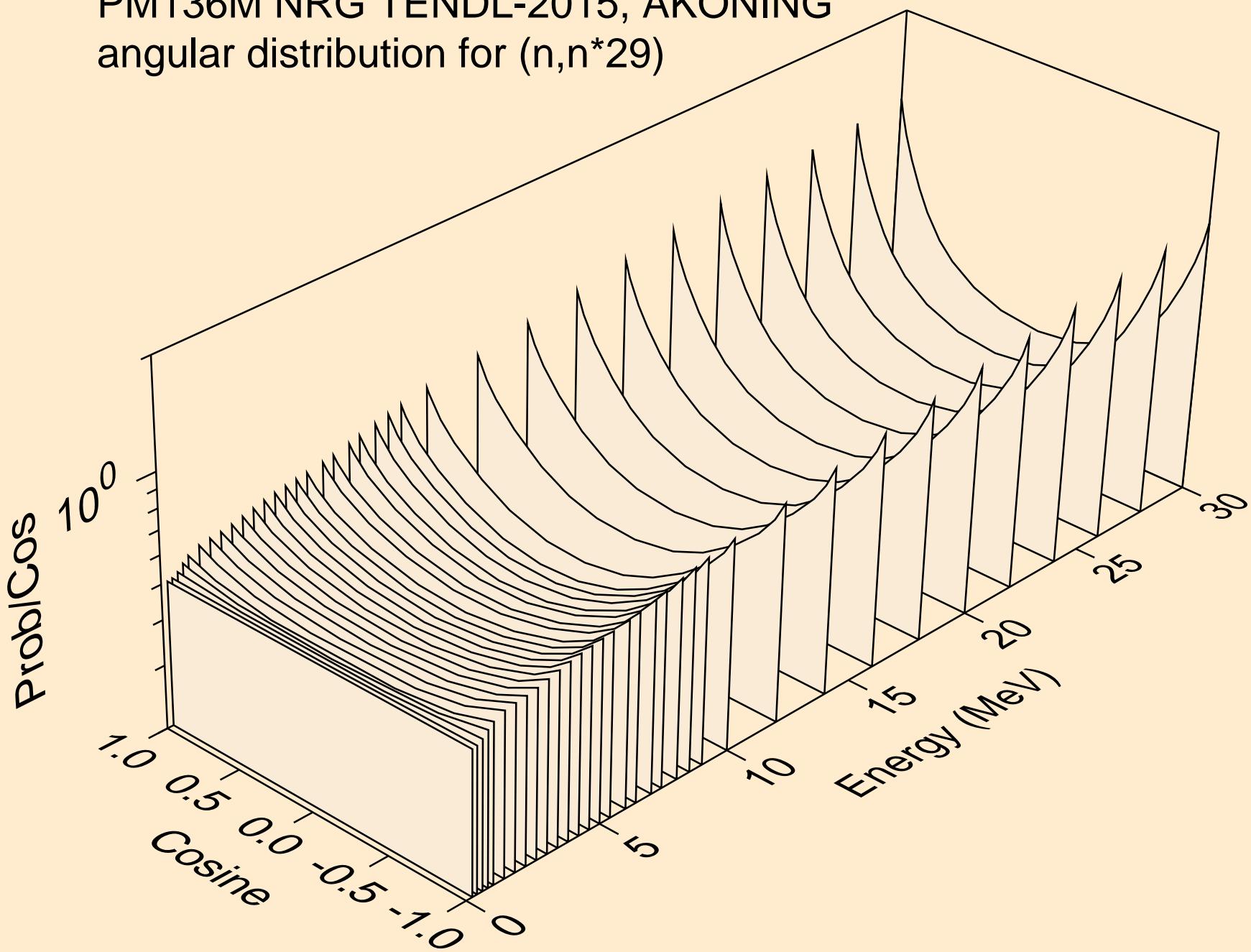
PM136M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{27}$



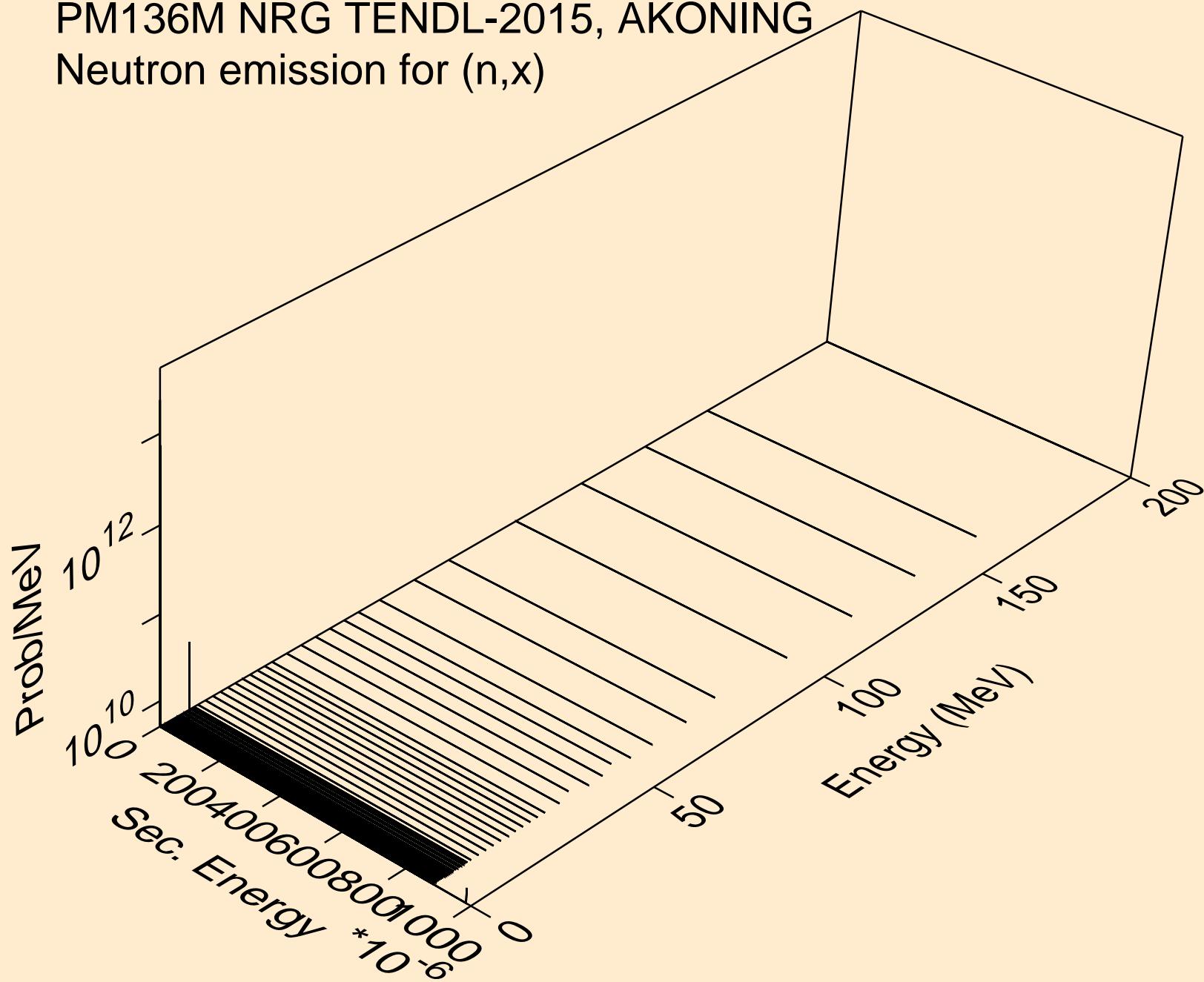
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angular distribution for  $(n,n^*)^{28}$



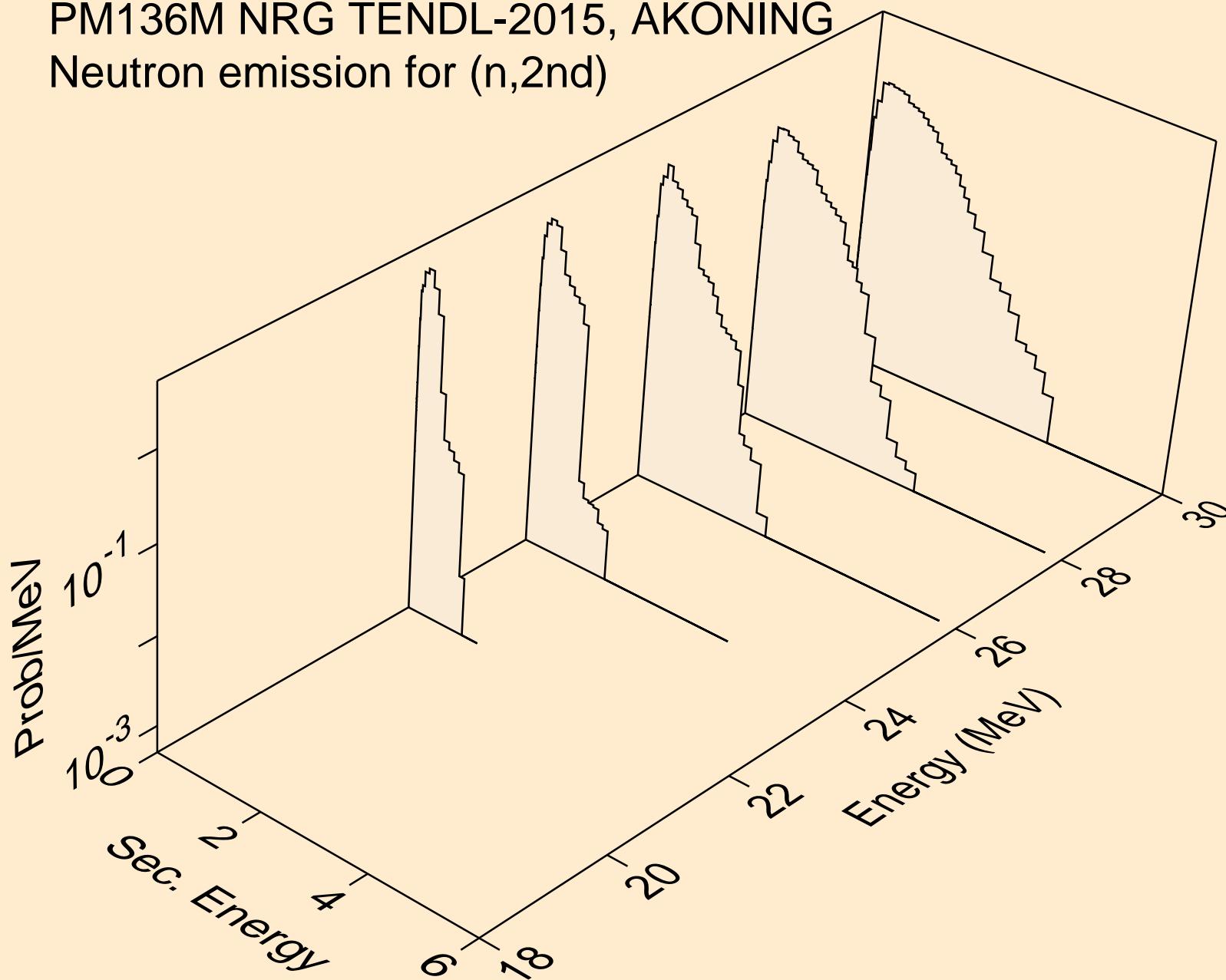
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angular distribution for  $(n,n^*)_{29}$



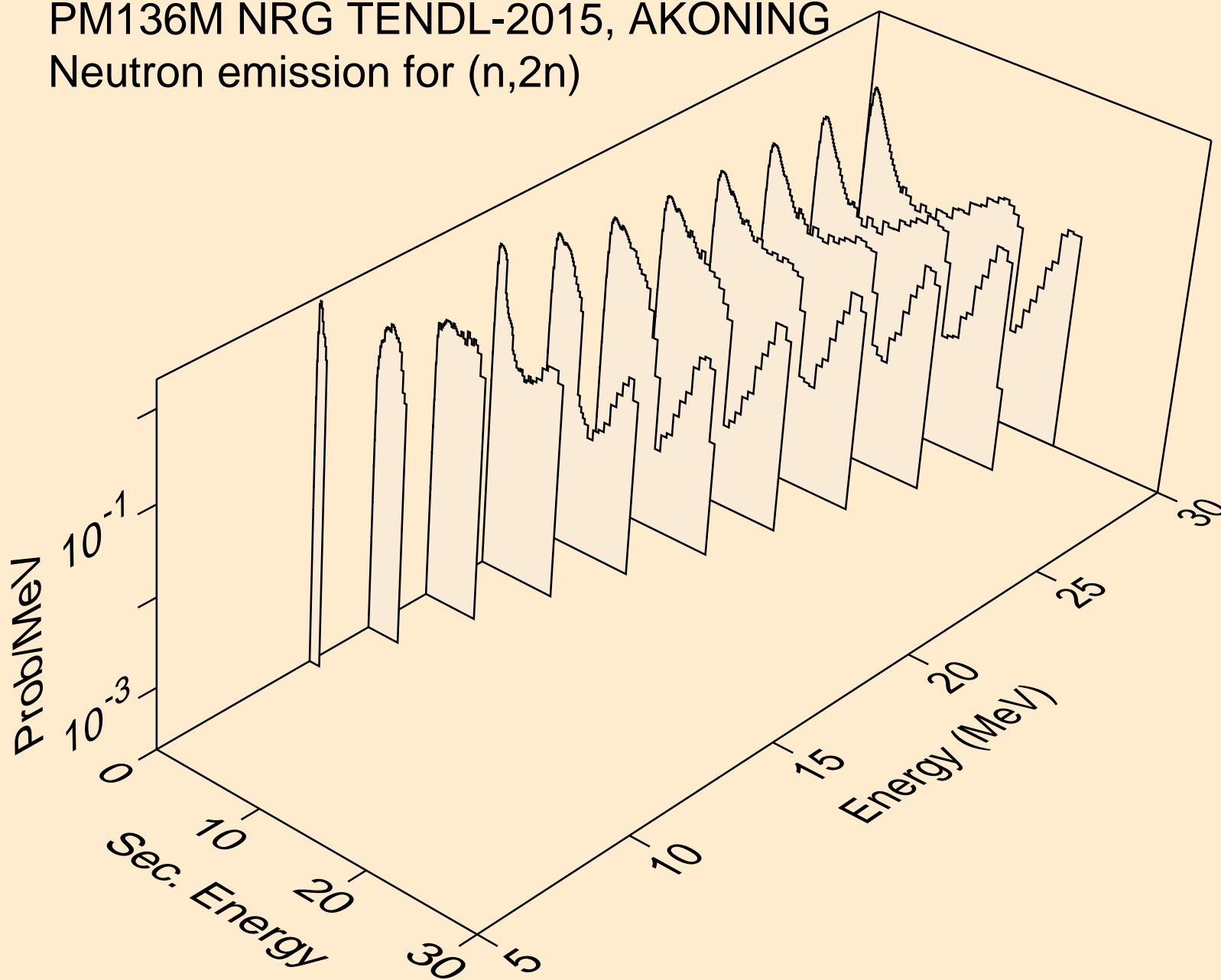
PM136M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



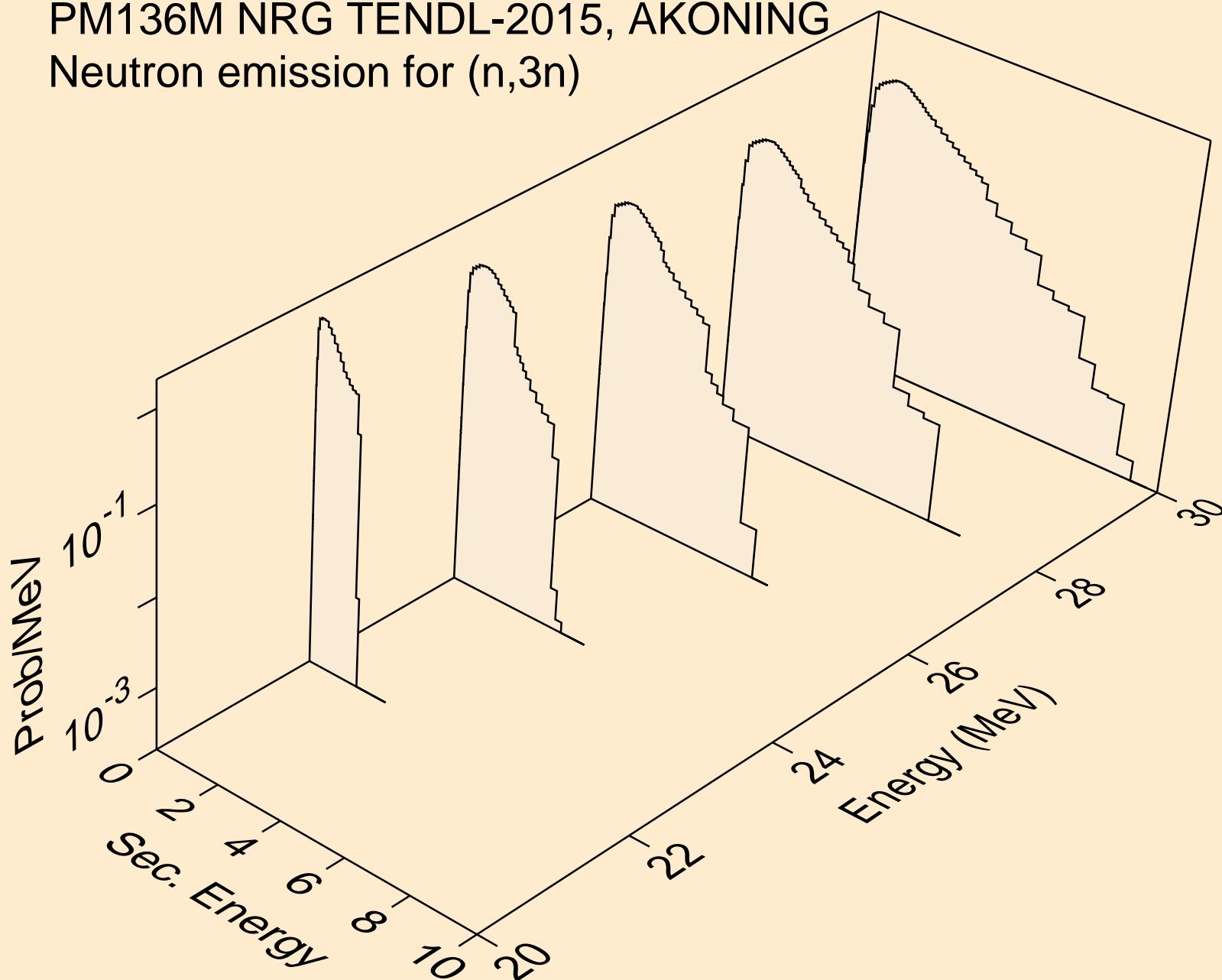
PM136M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



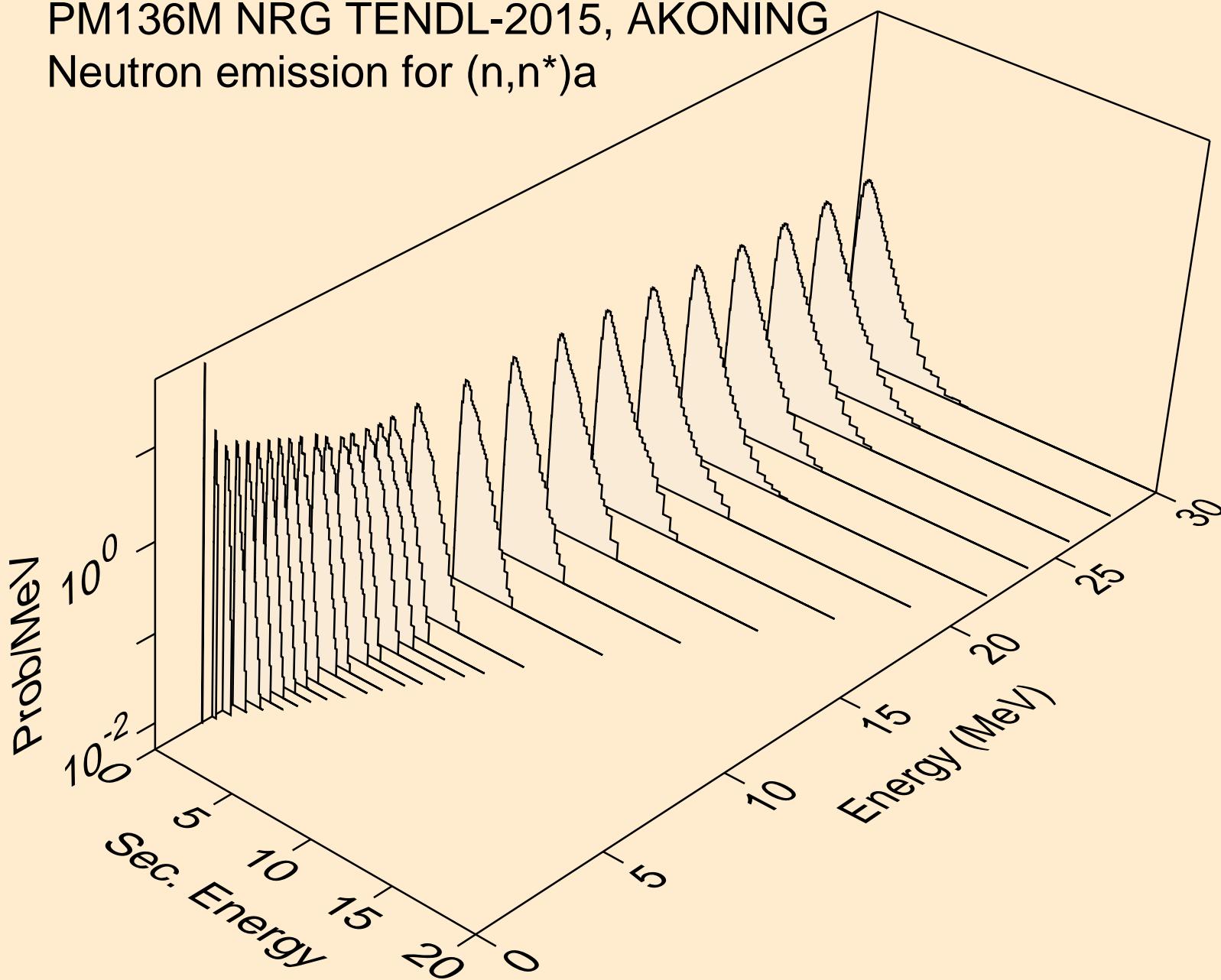
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Neutron emission for (n,2n)



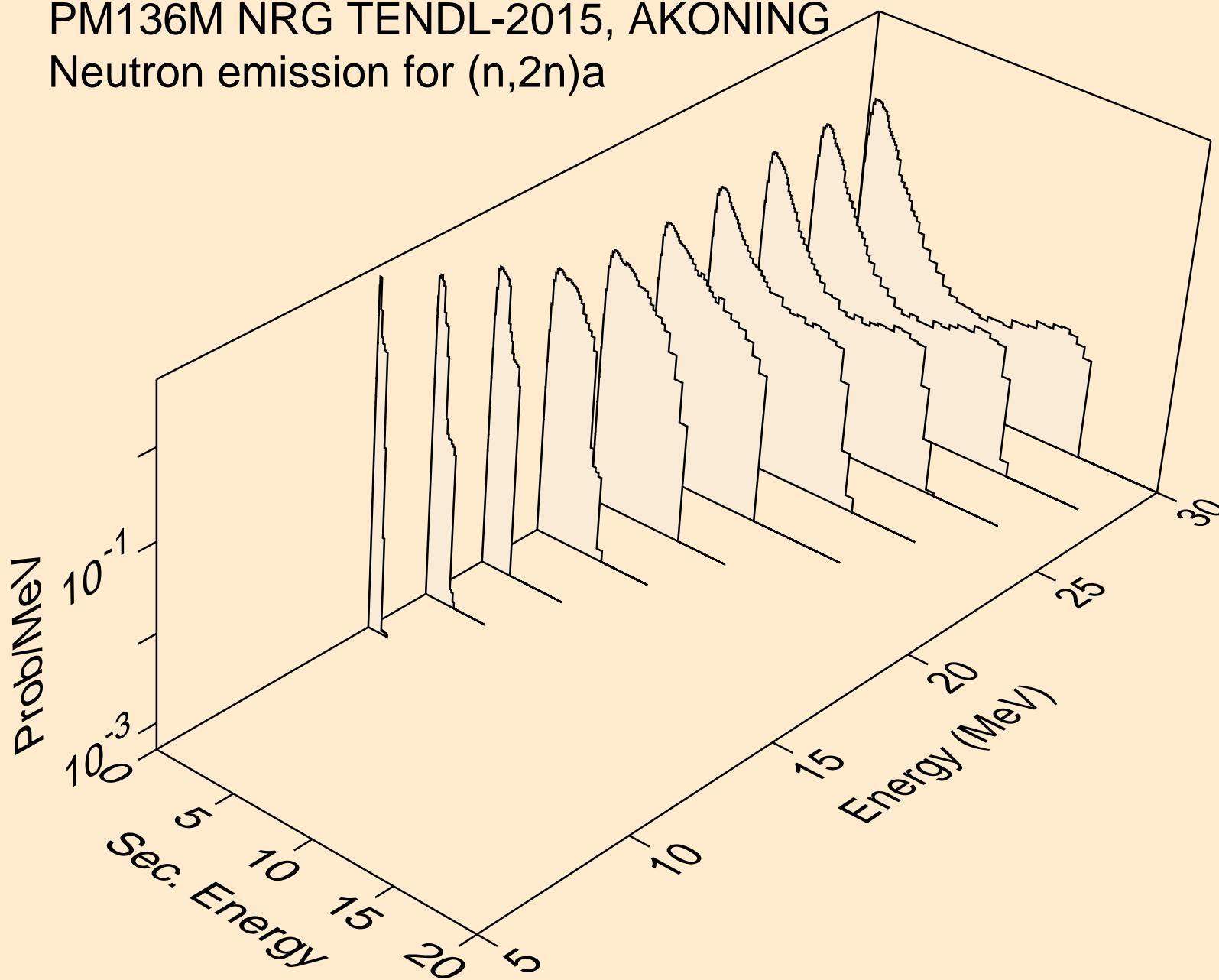
PM136M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



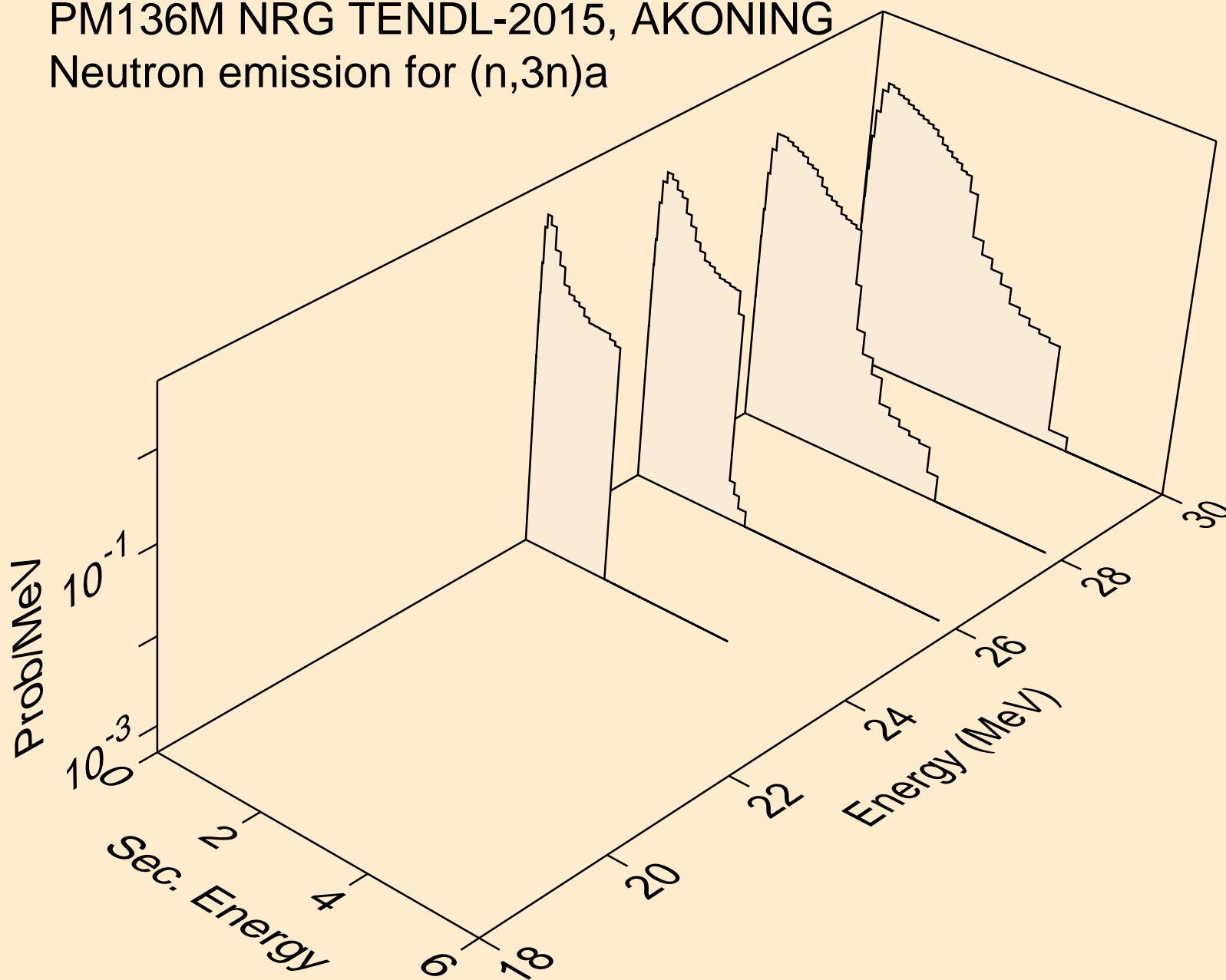
PM136M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



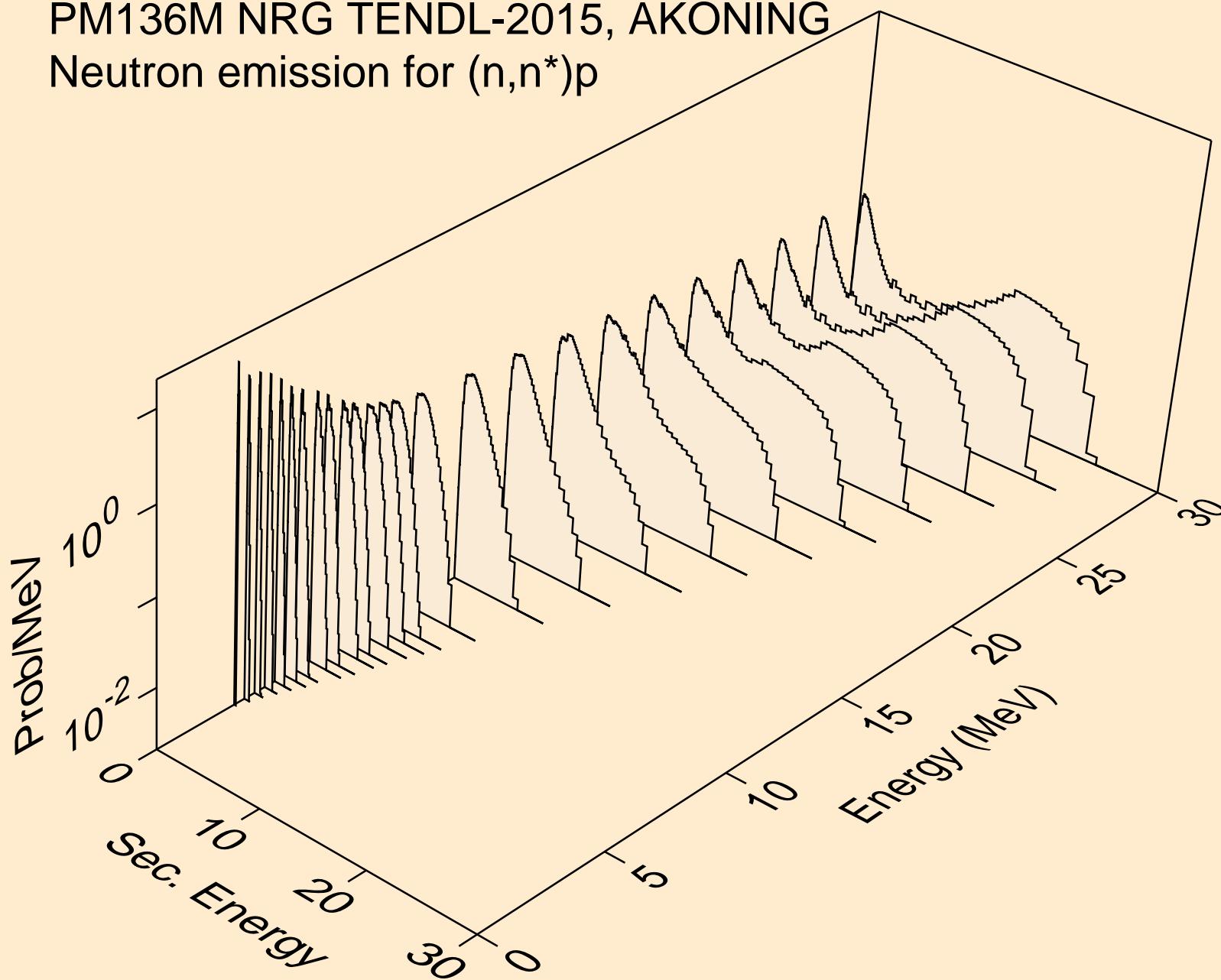
PM136M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



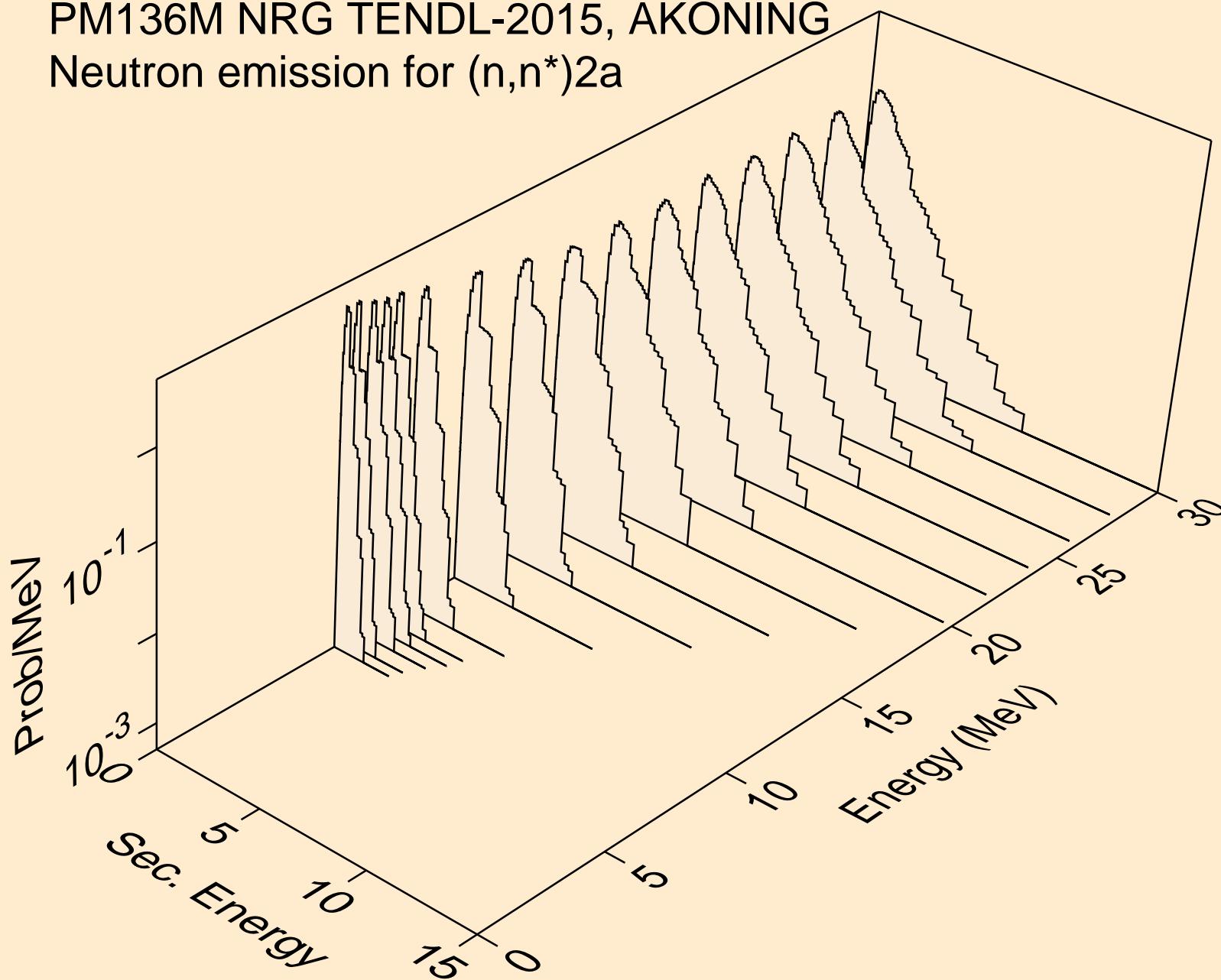
PM136M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



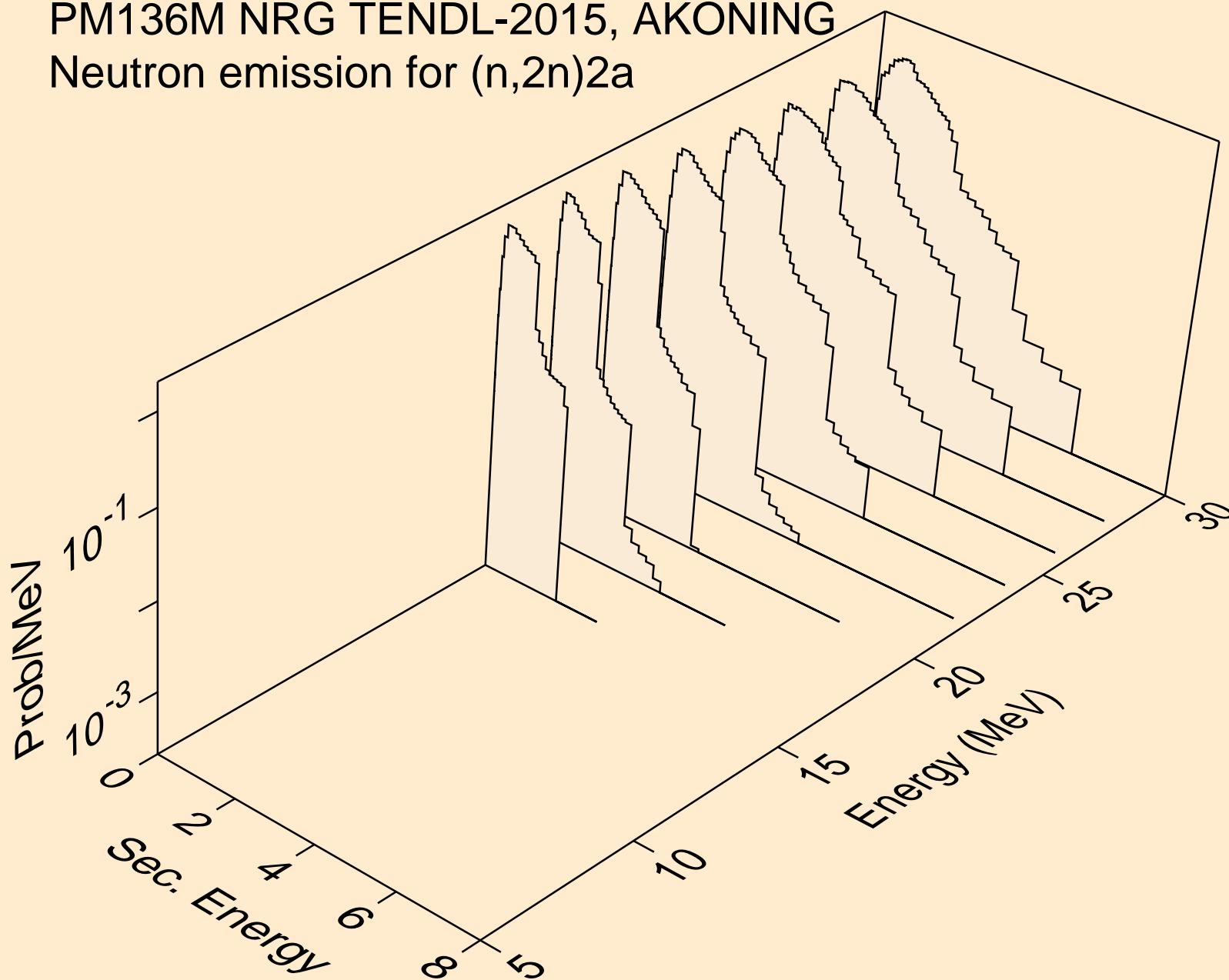
PM136M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



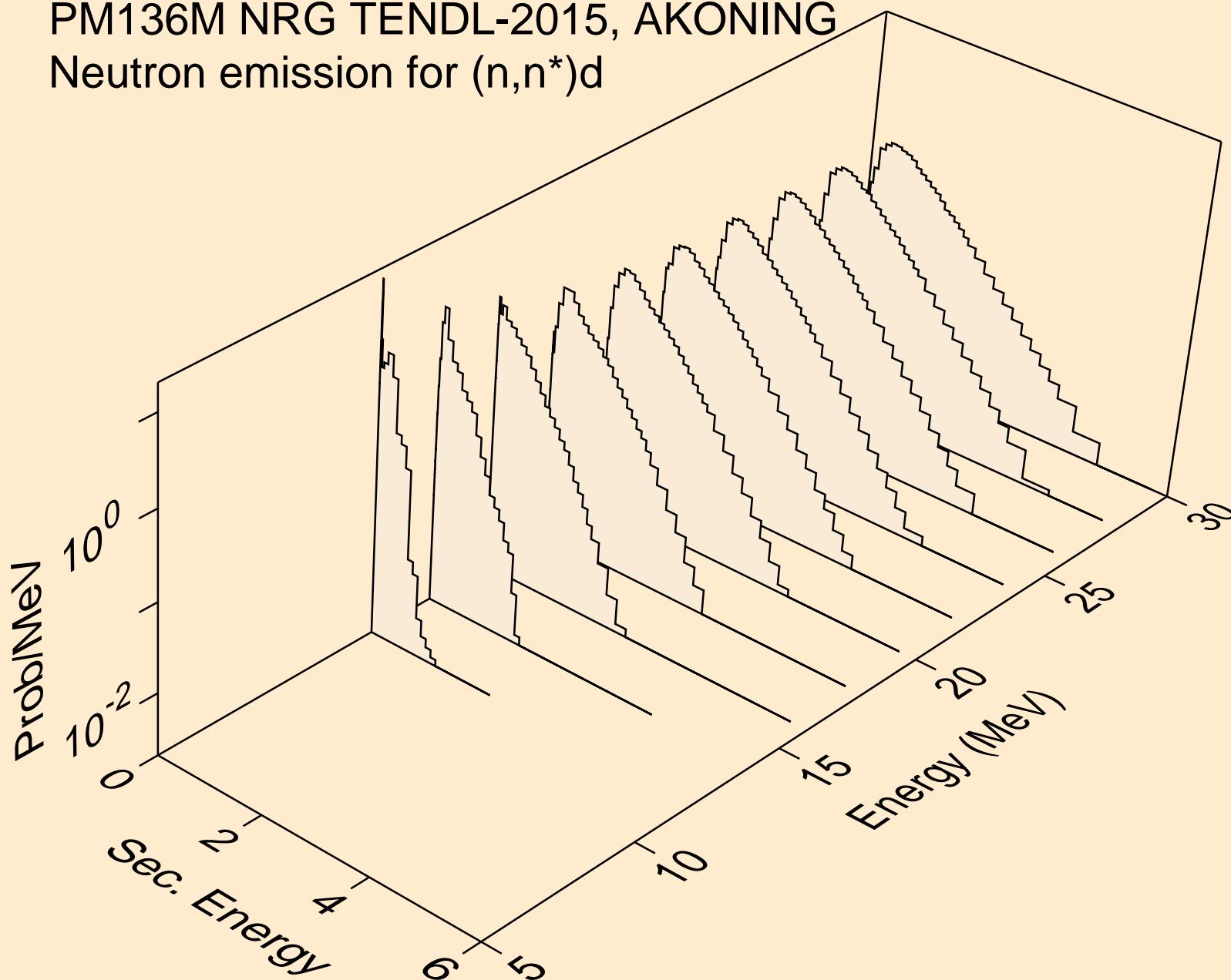
PM136M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



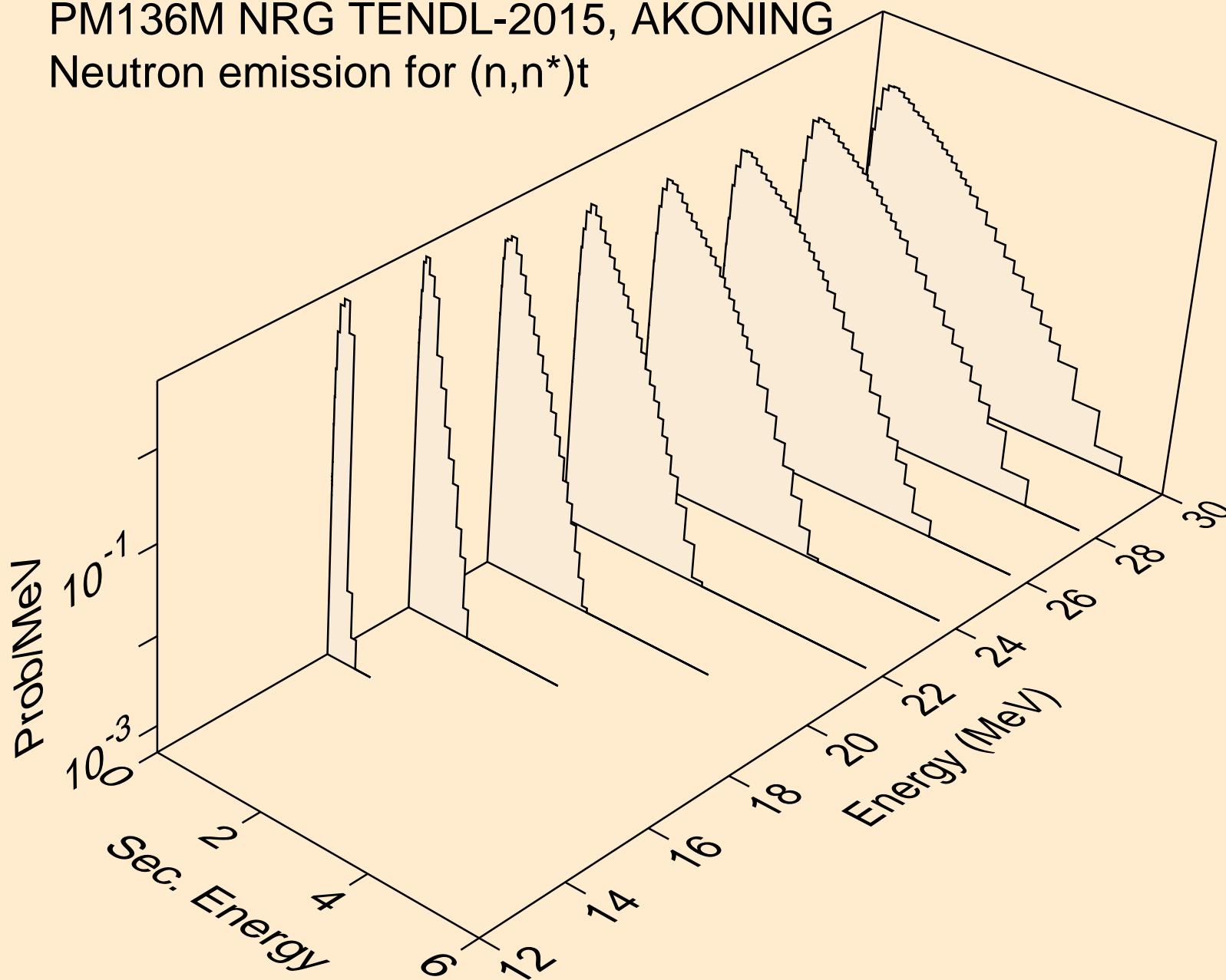
PM136M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



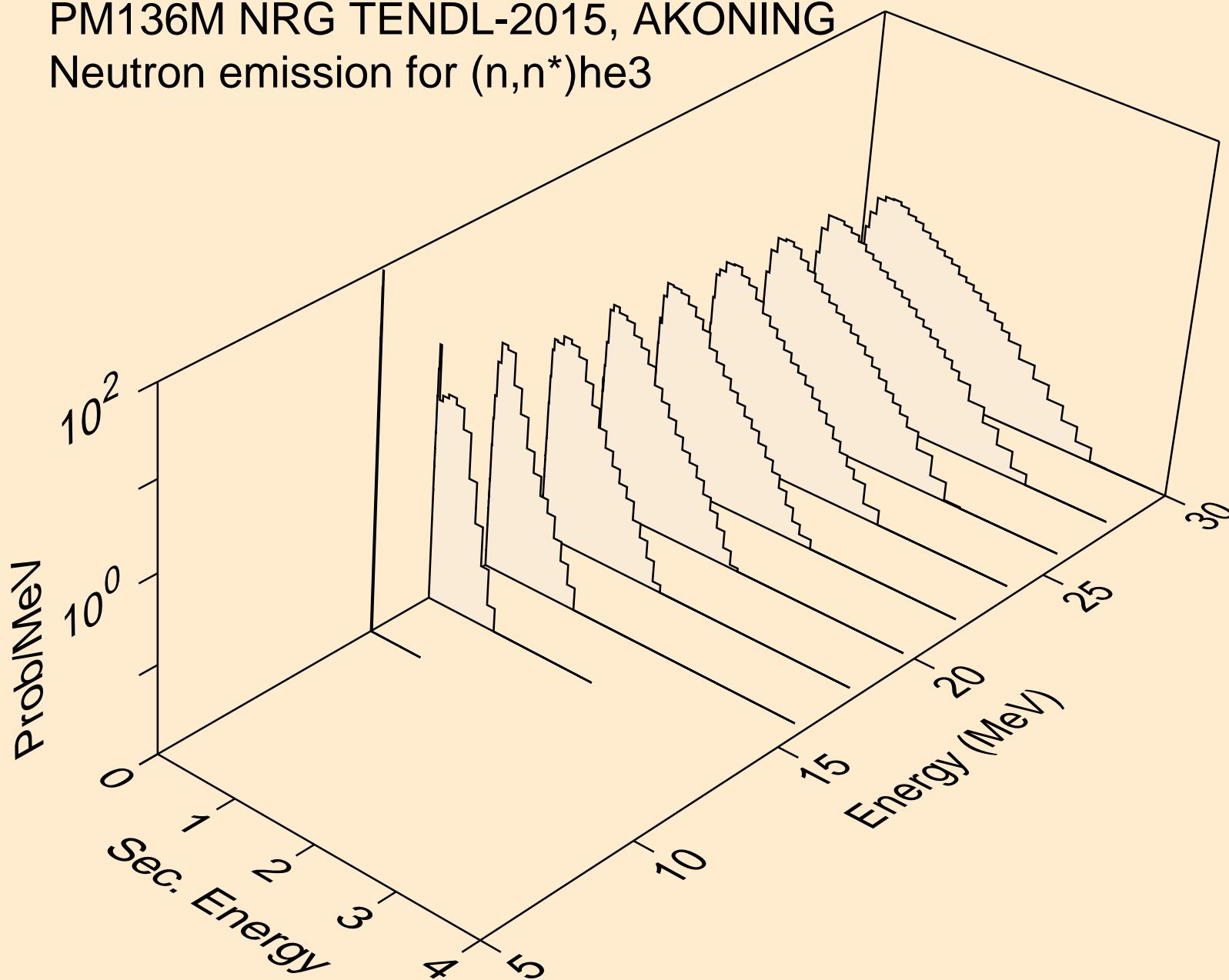
PM136M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



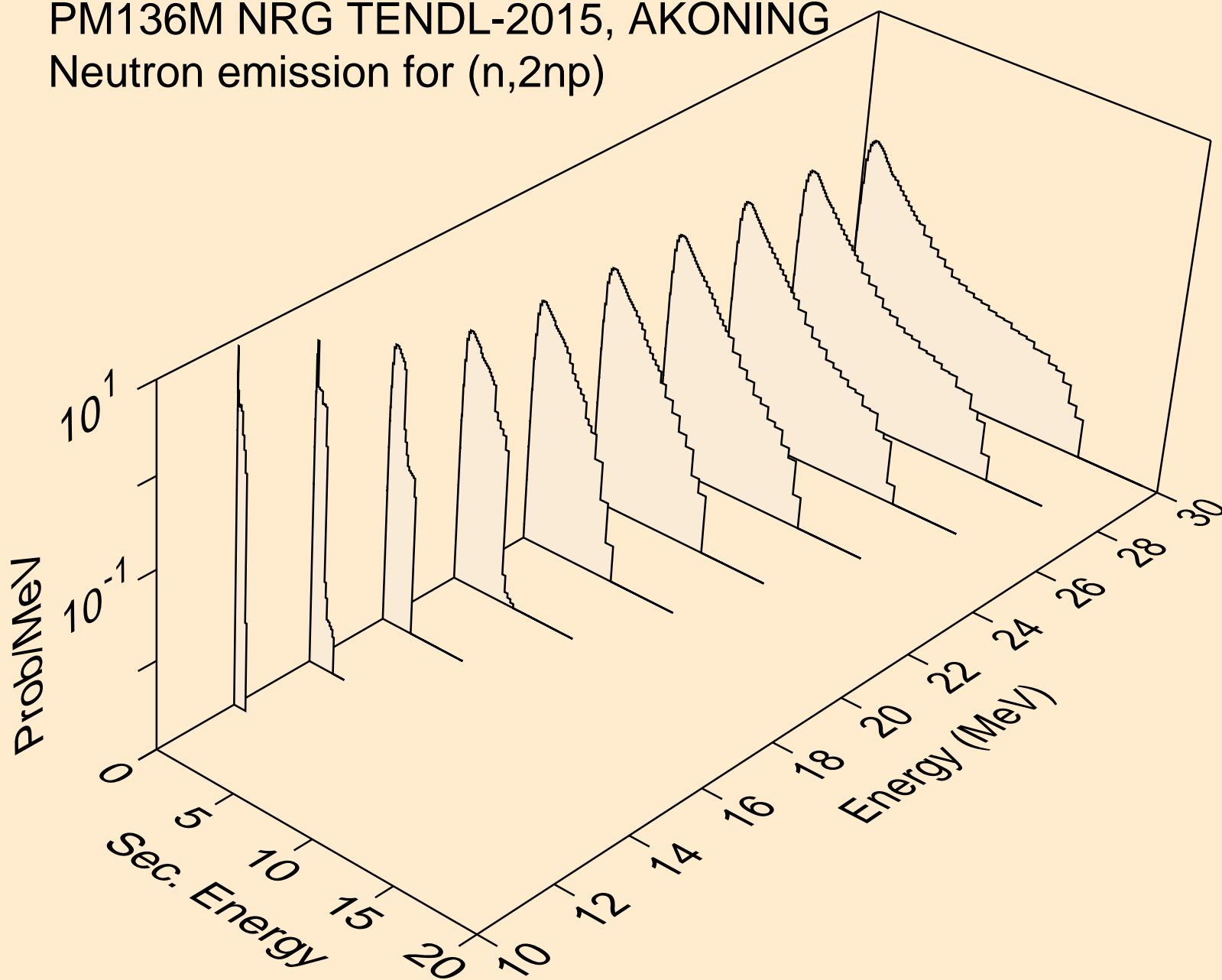
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Neutron emission for  $(n,n^*)t$



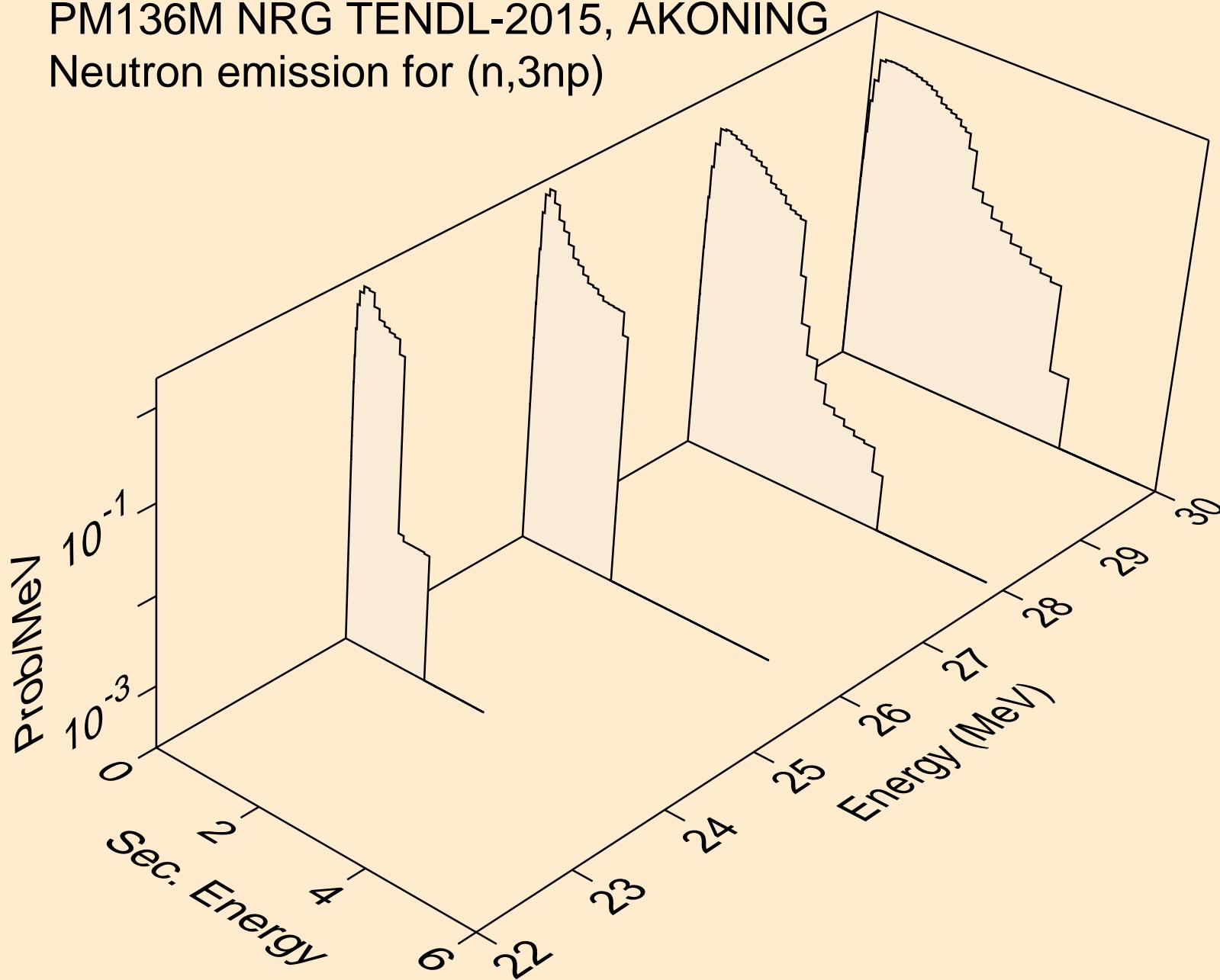
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Neutron emission for  $(n,n^*)\text{he3}$



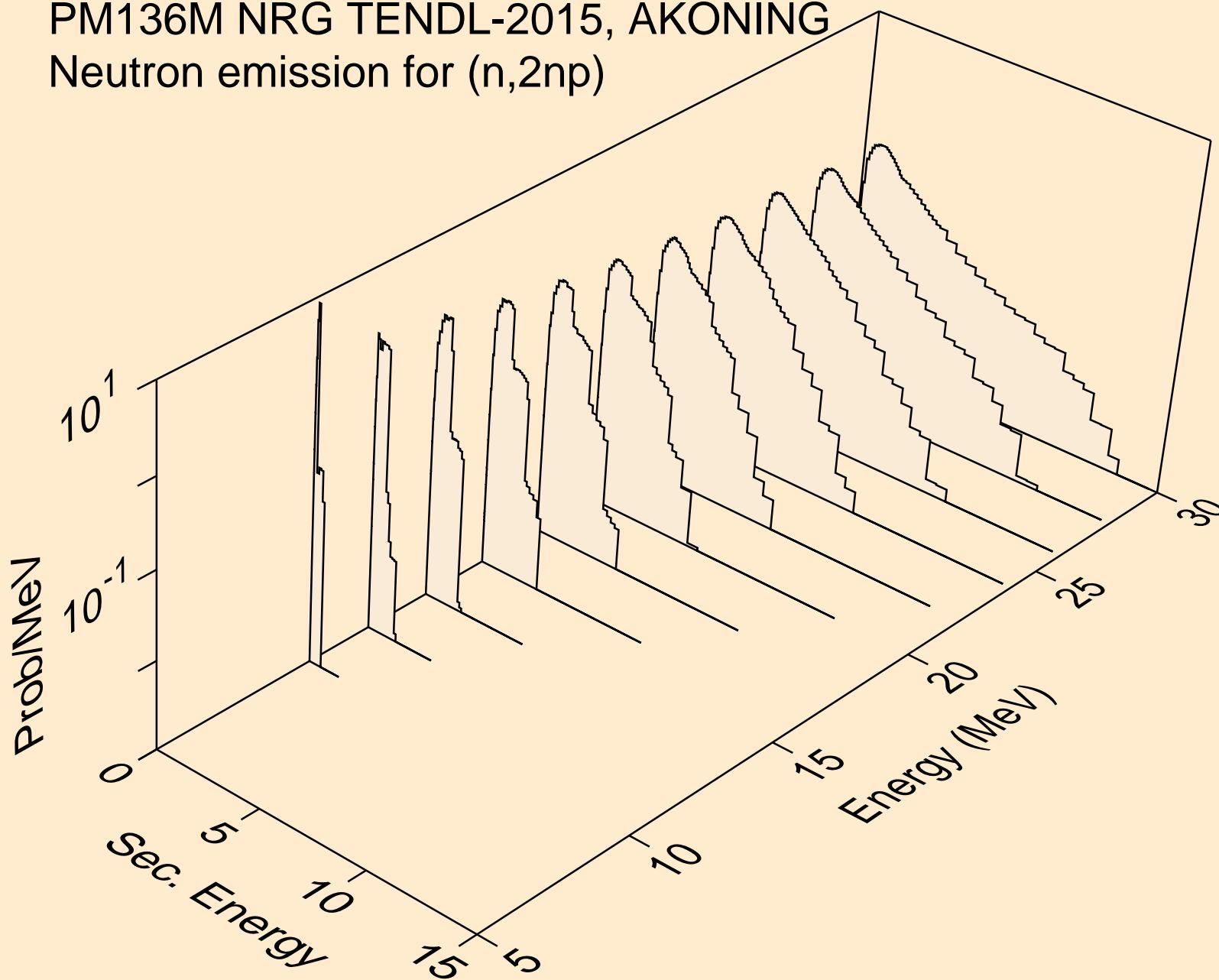
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Neutron emission for (n,2np)



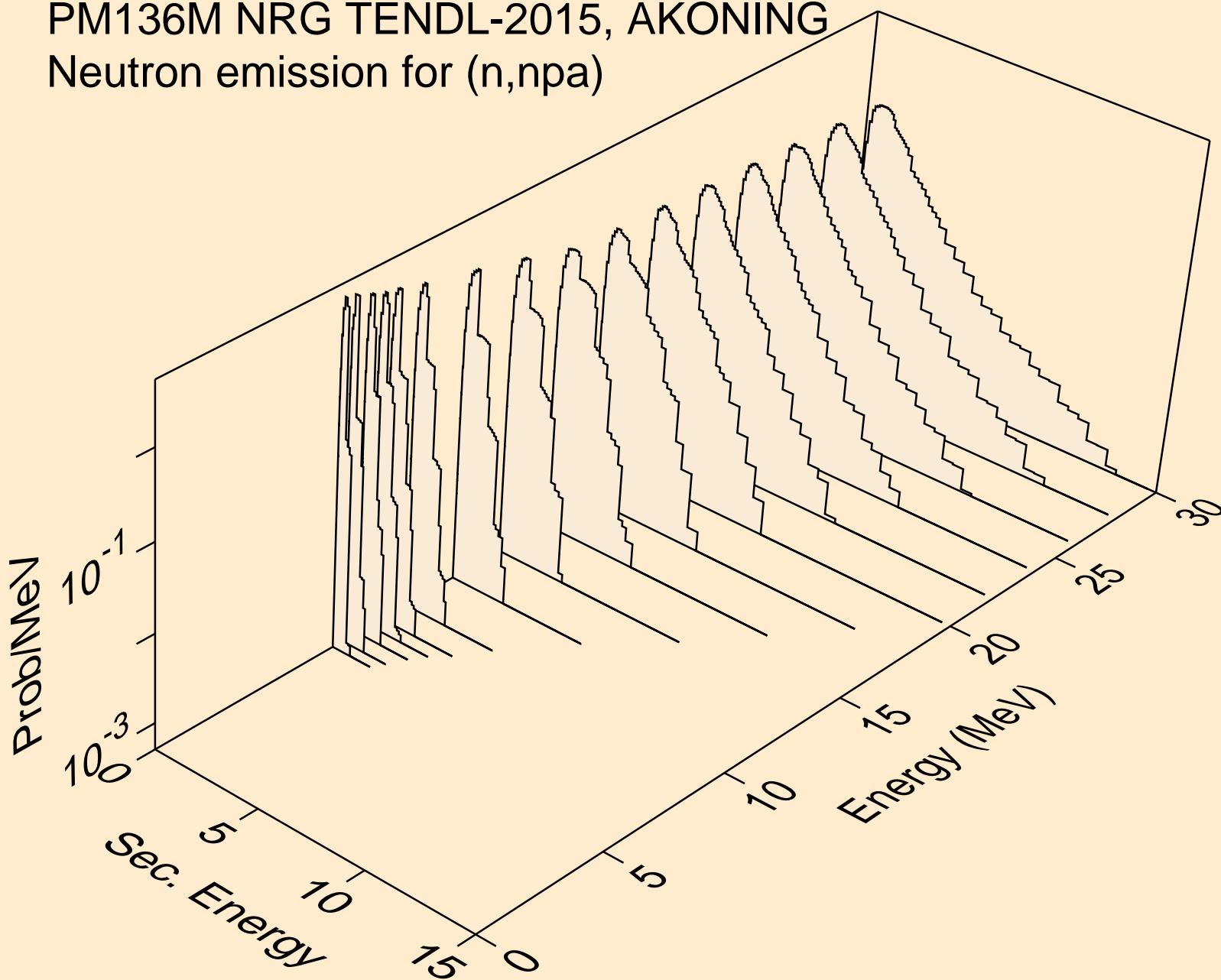
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Neutron emission for (n,3np)



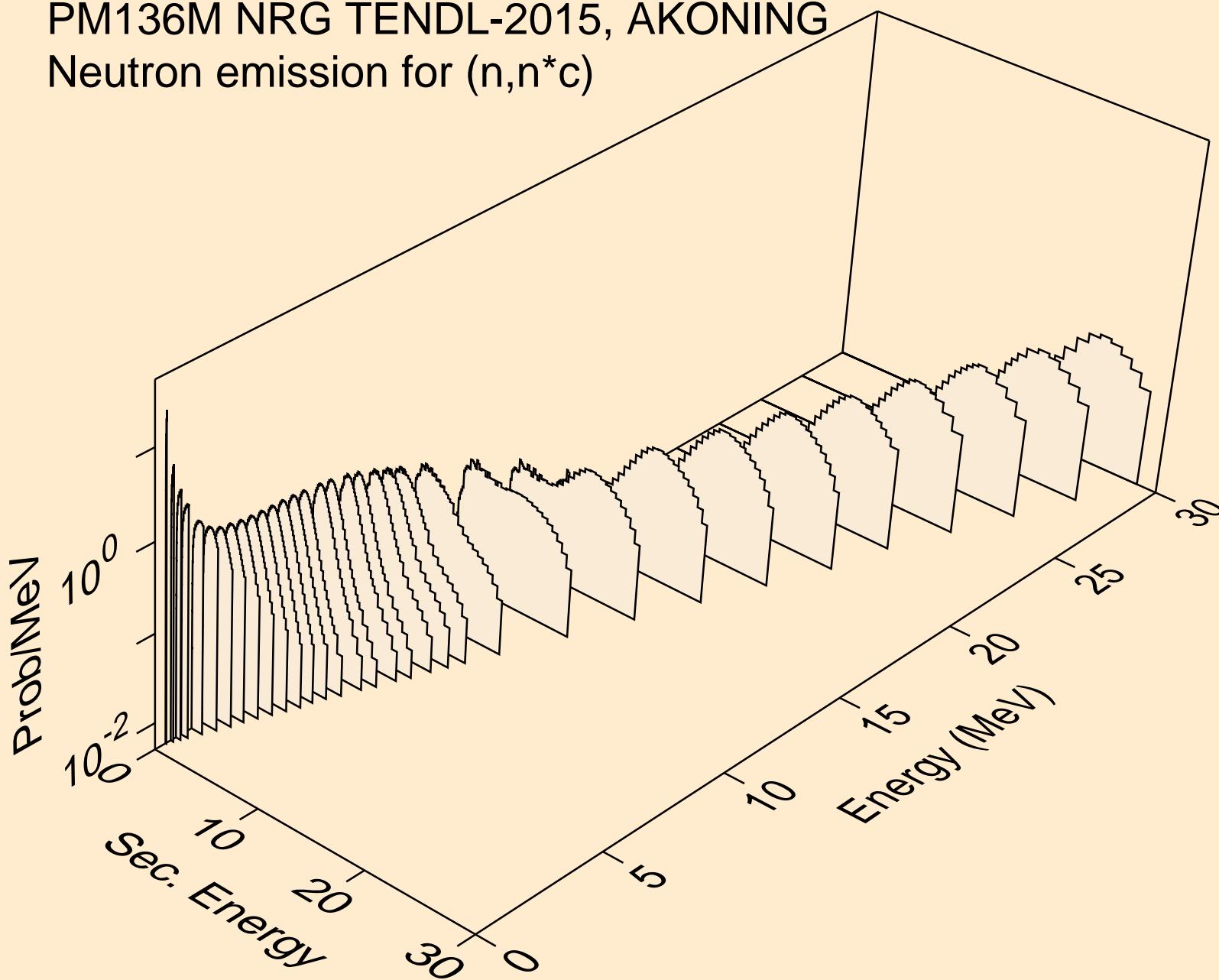
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Neutron emission for (n,2np)



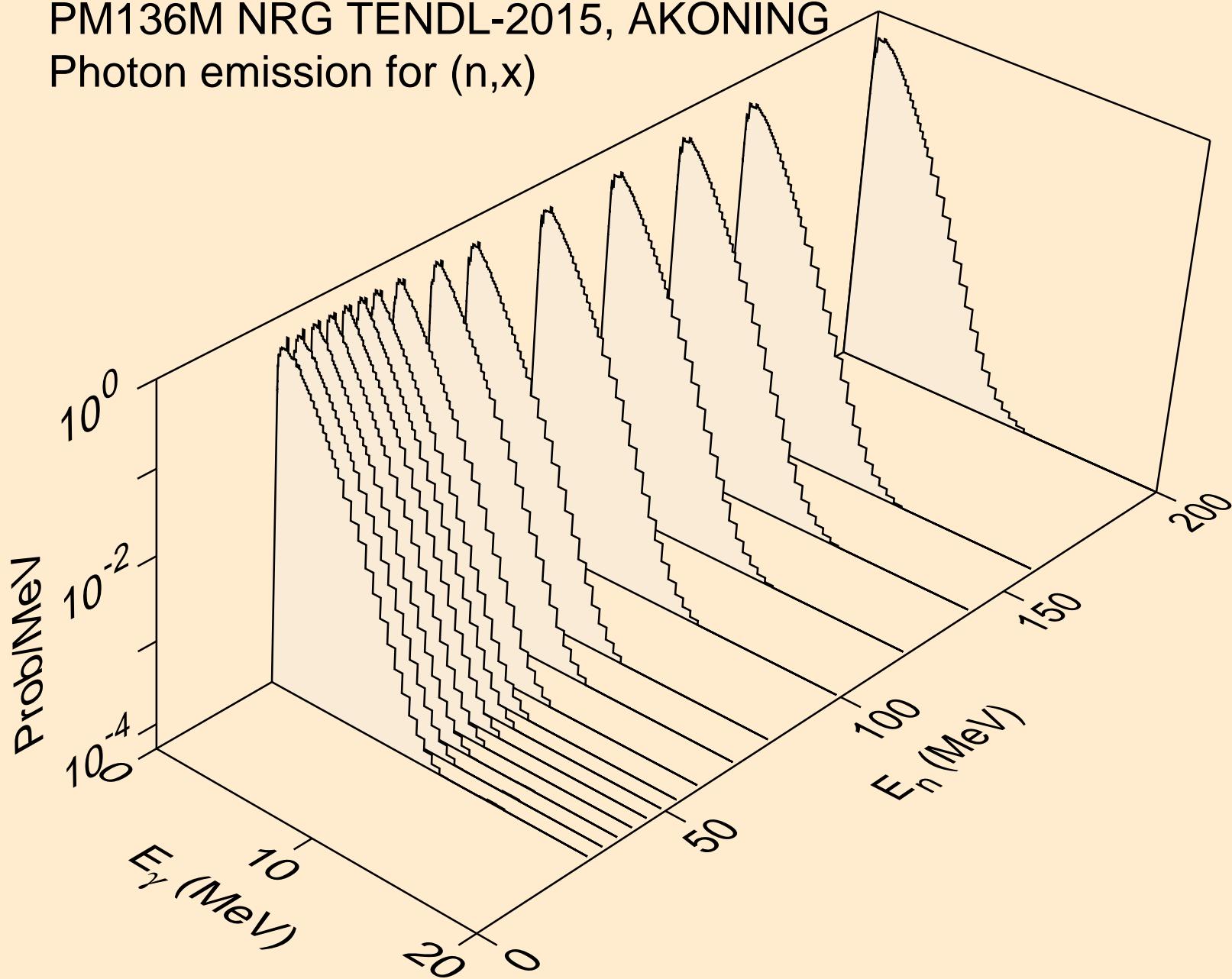
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Neutron emission for (n,npa)



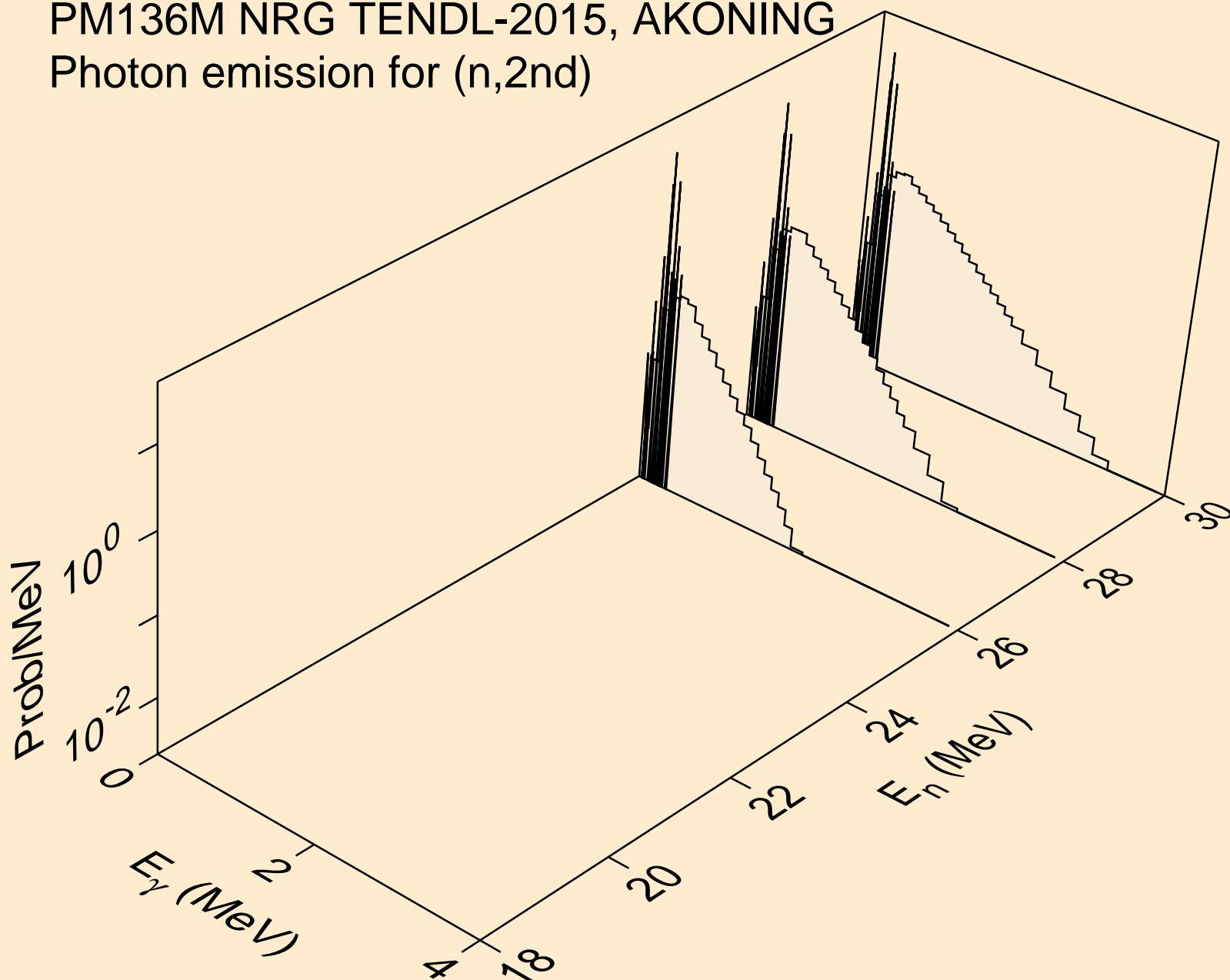
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Neutron emission for (n,n\*c)



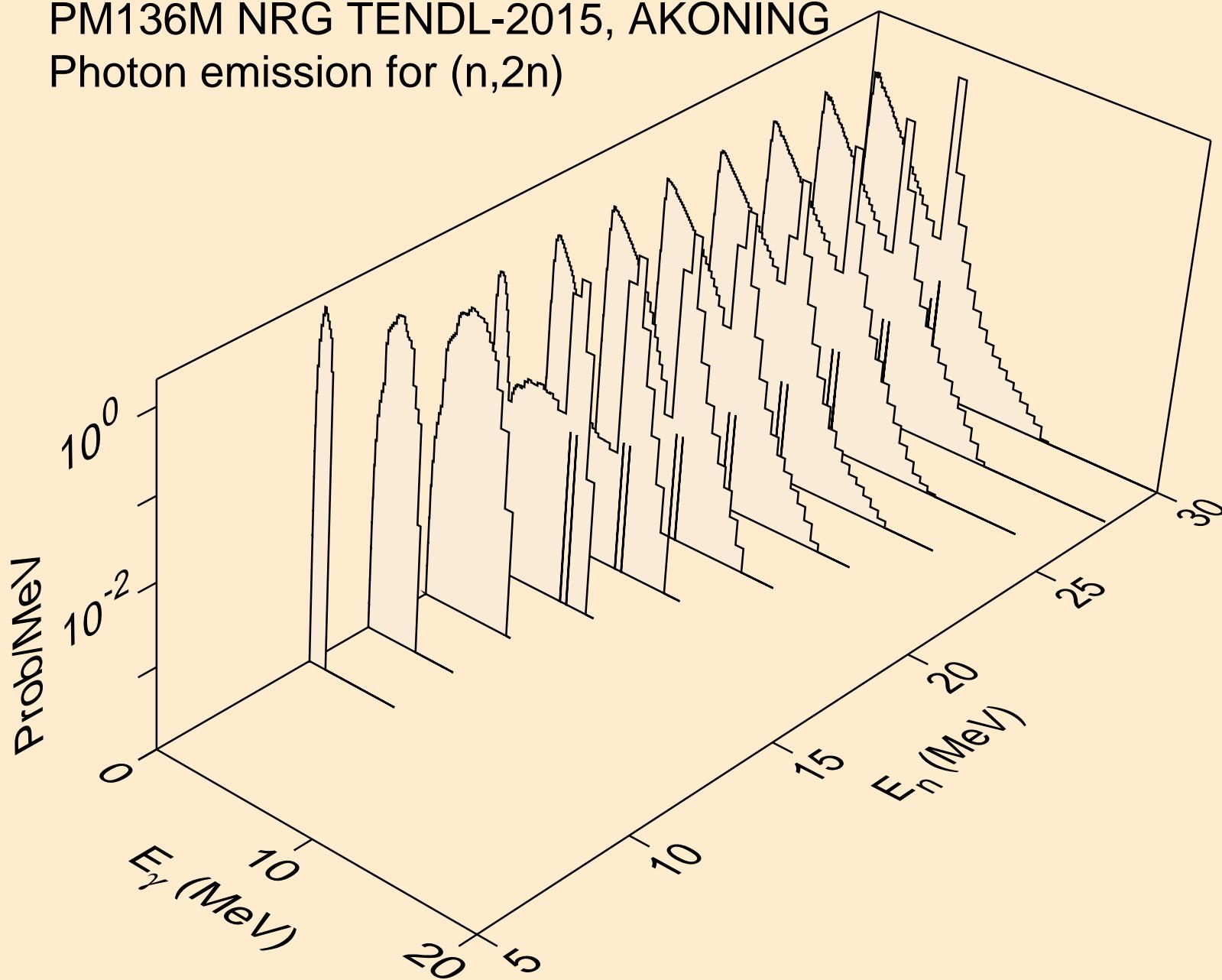
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Photon emission for (n,x)



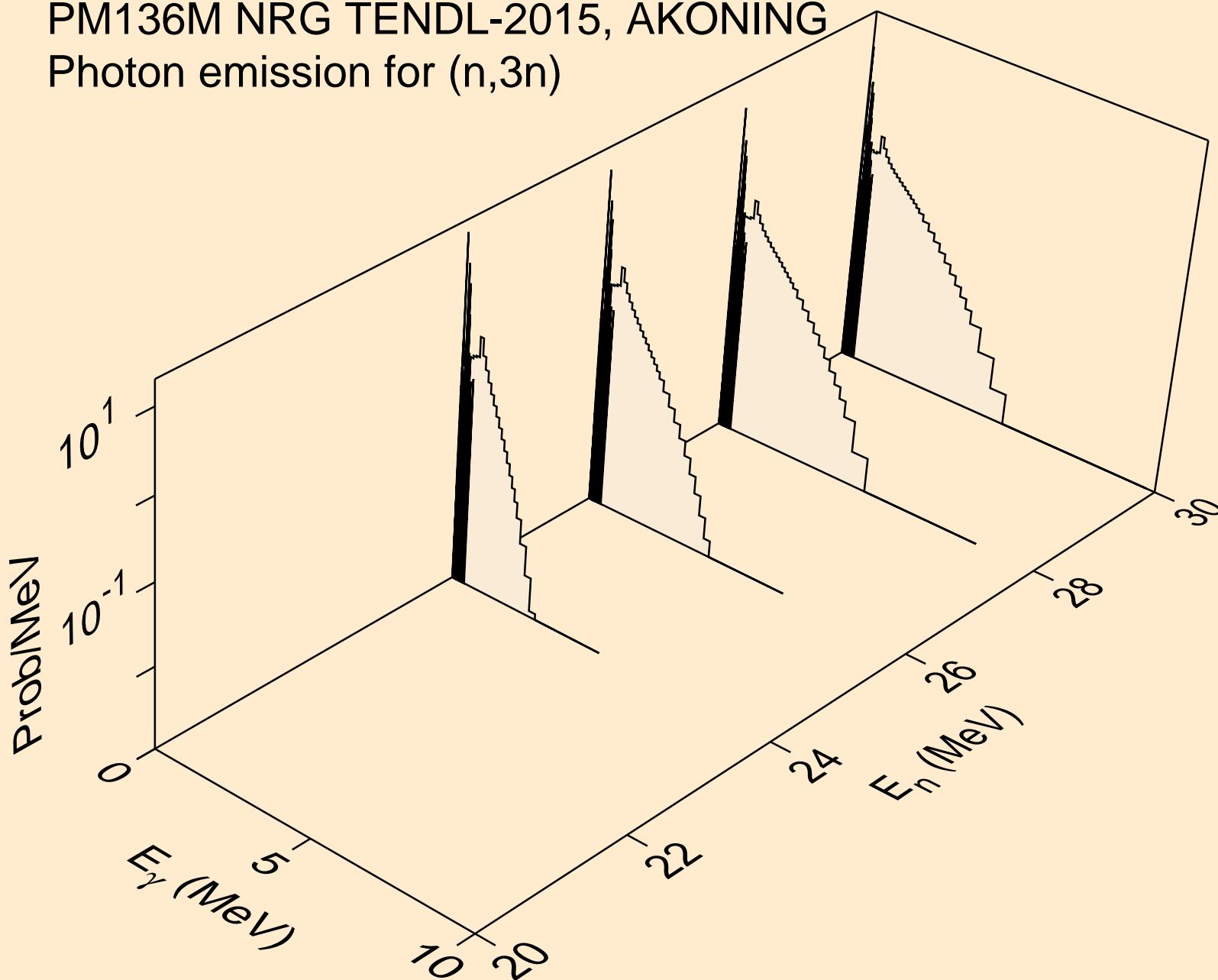
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Photon emission for (n,2nd)



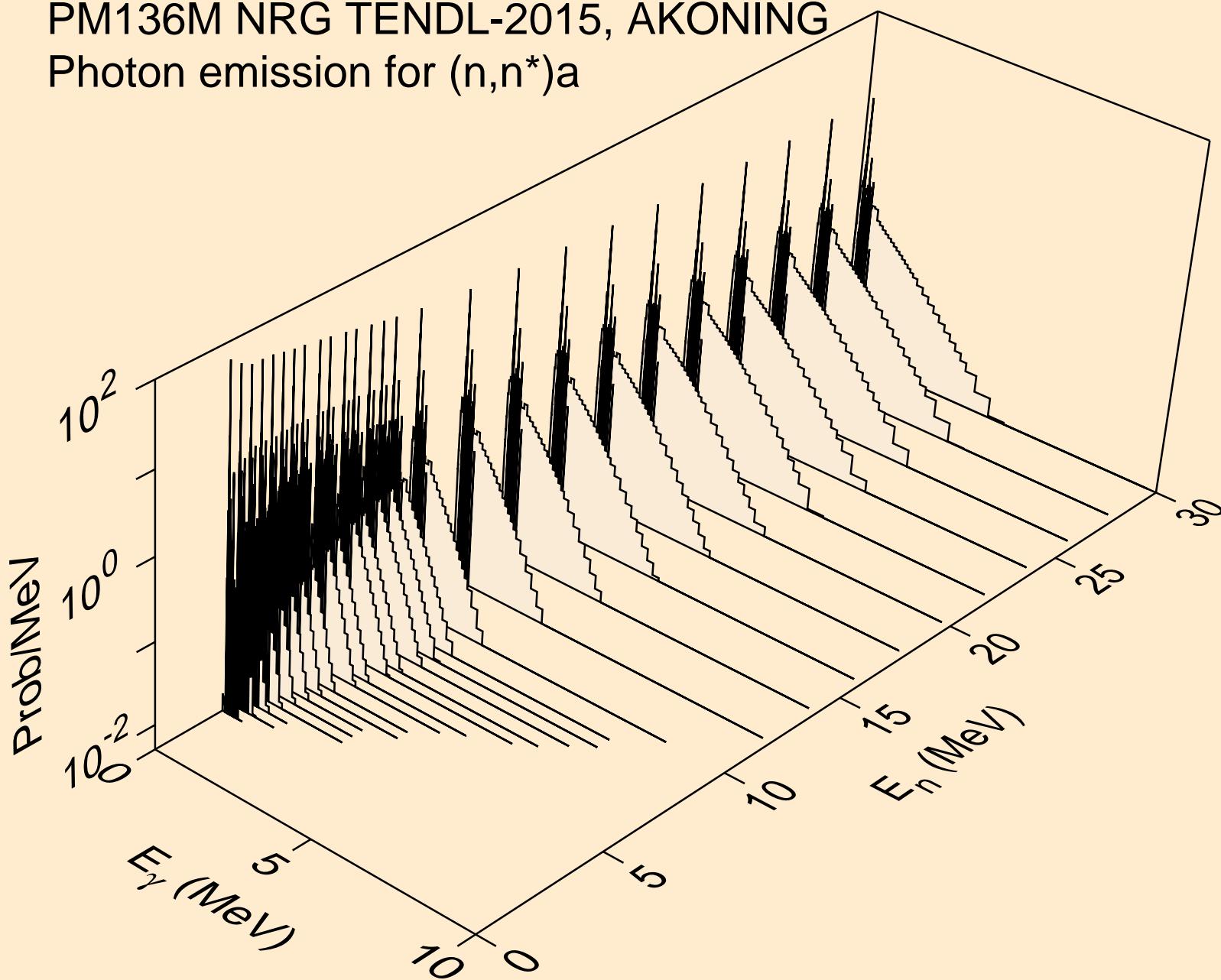
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Photon emission for (n,2n)



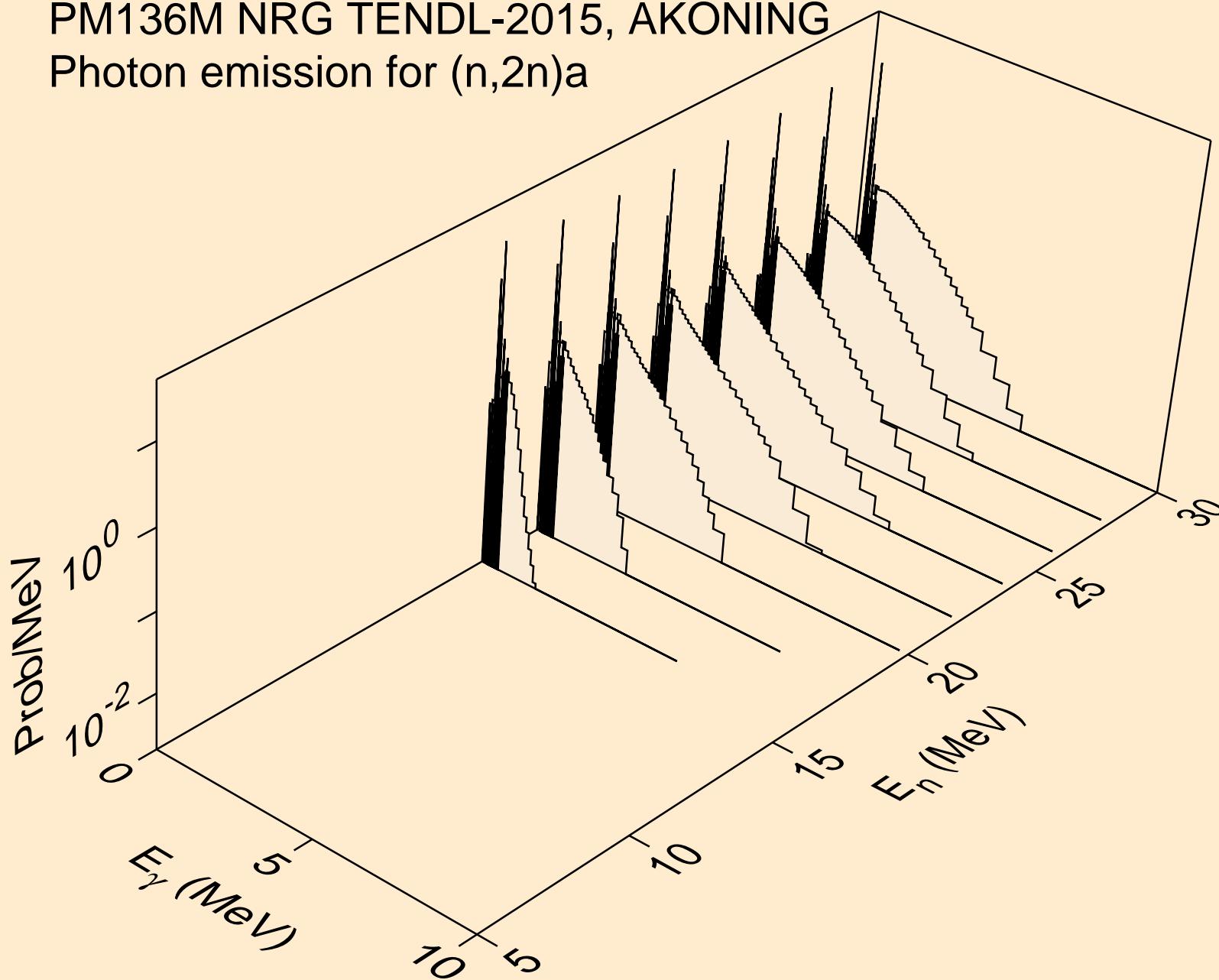
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Photon emission for (n,3n)



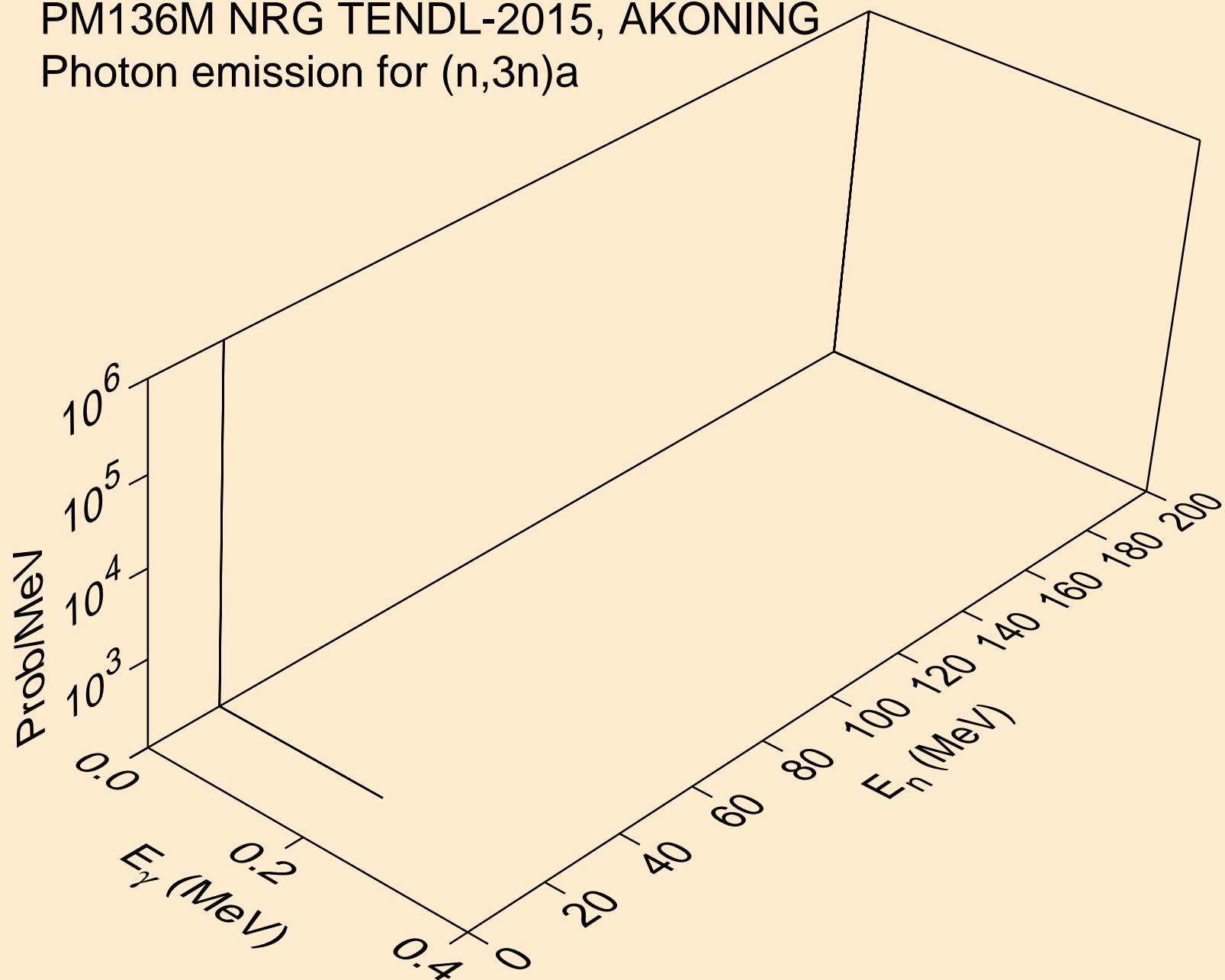
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Photon emission for  $(n,n^*)a$



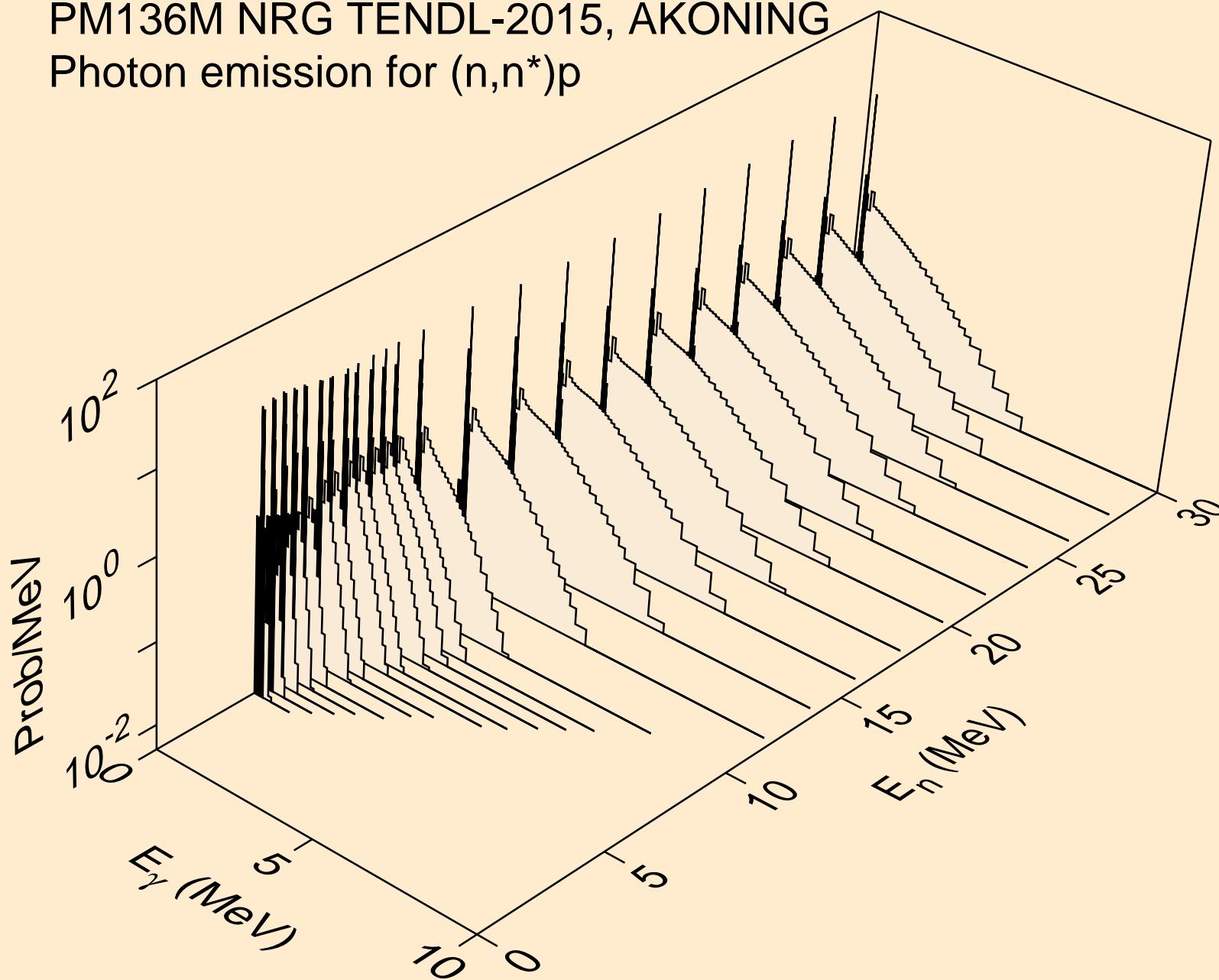
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Photon emission for (n,2n)a



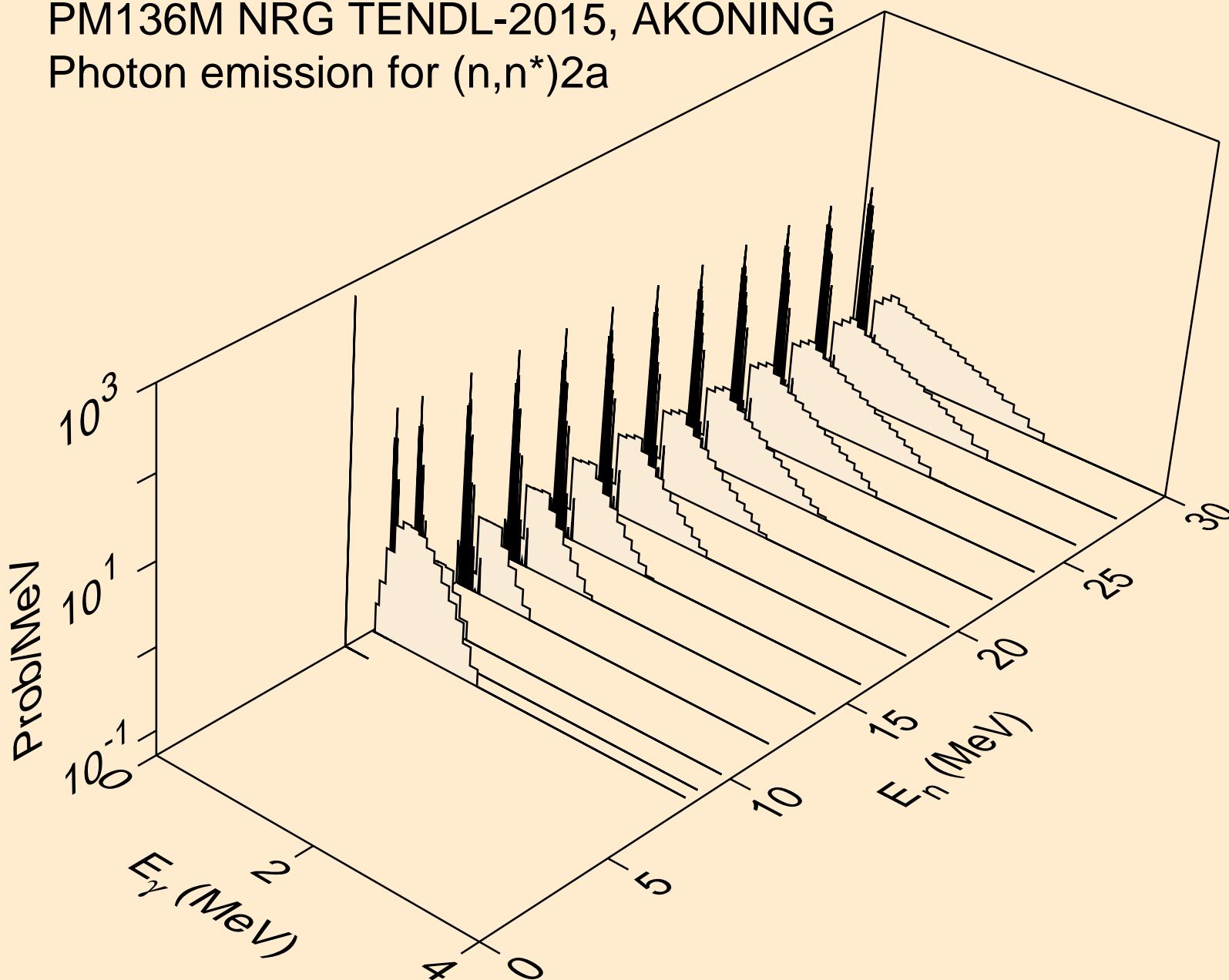
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Photon emission for (n,3n)a



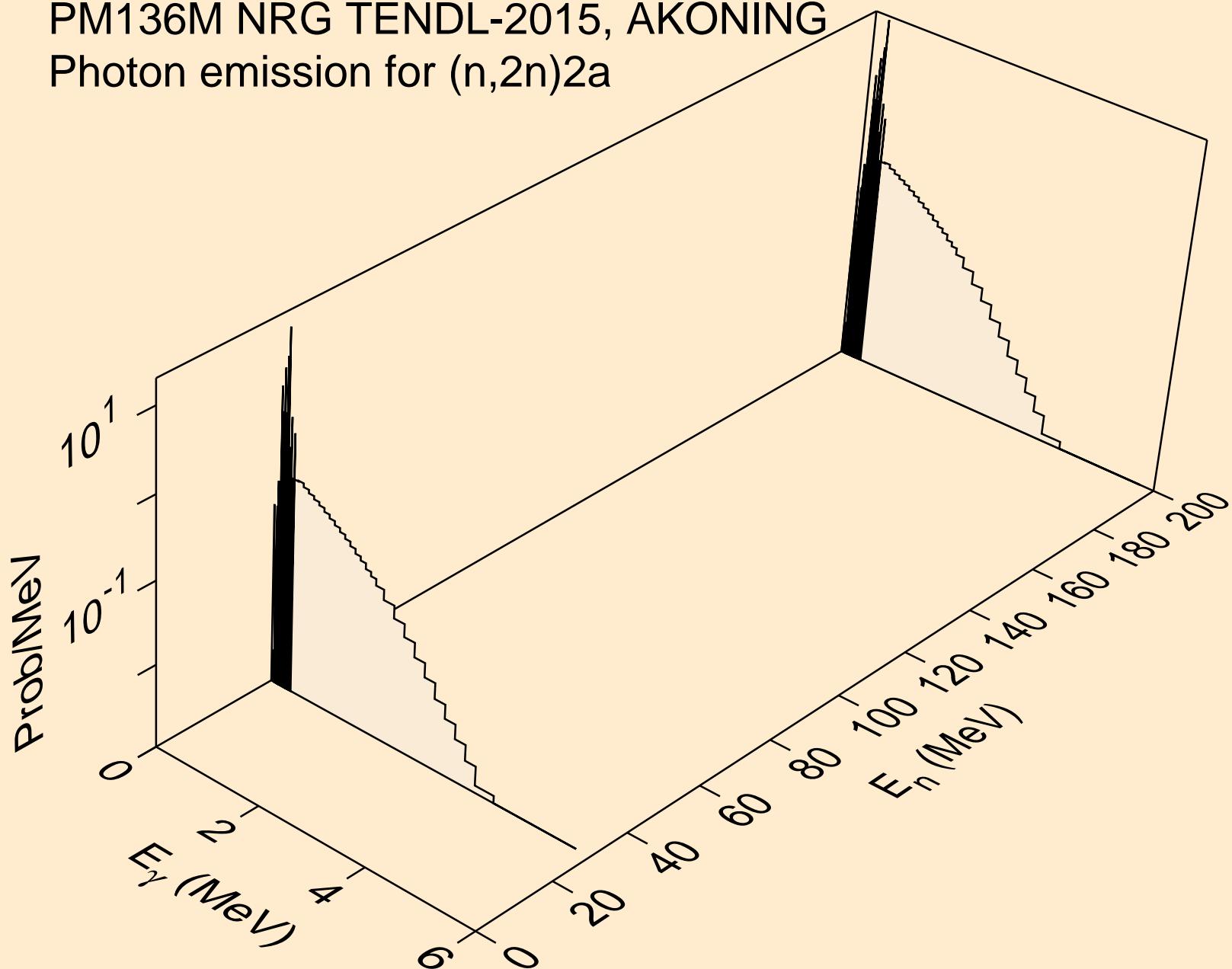
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Photon emission for  $(n,n^*)p$



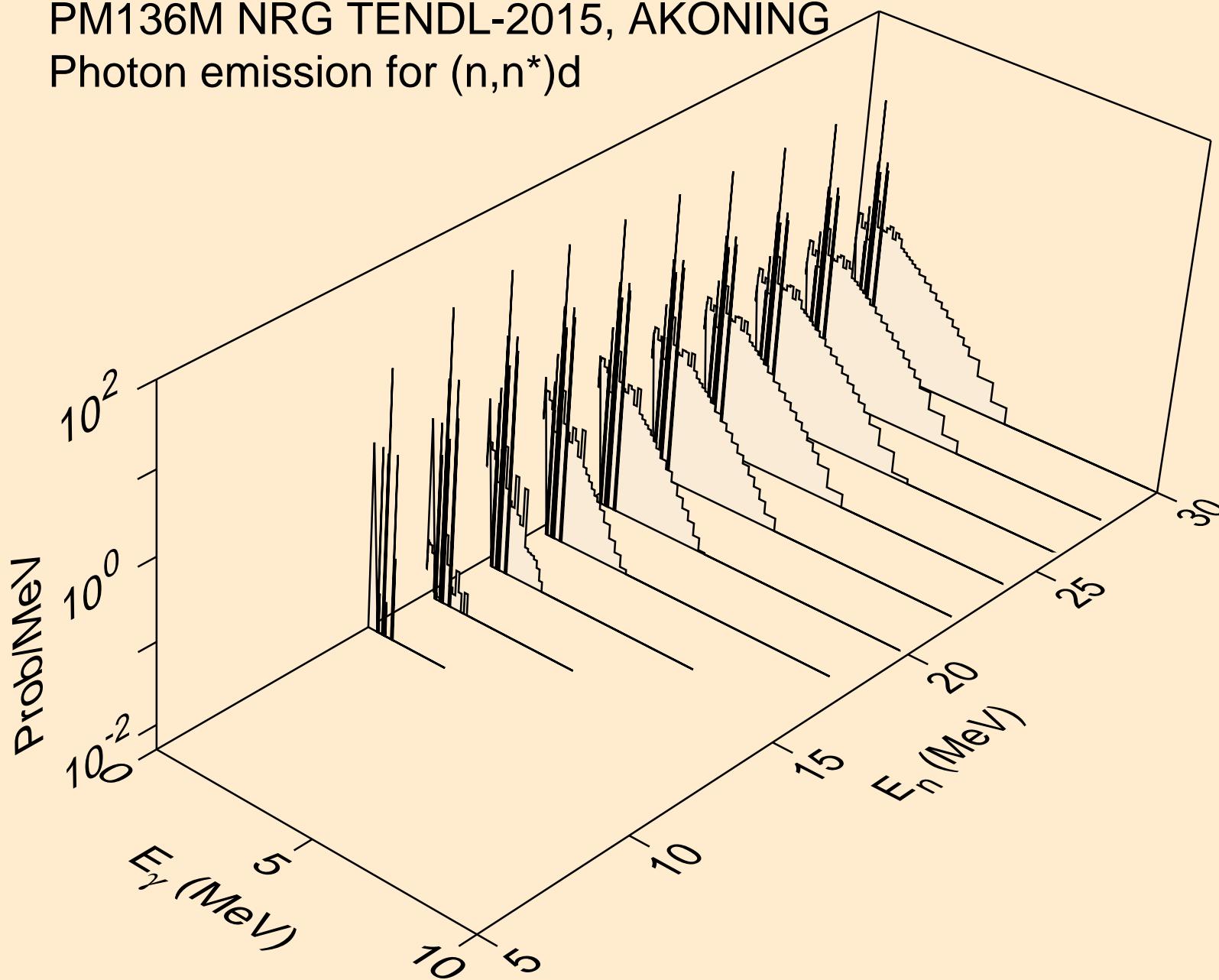
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Photon emission for  $(n,n^*)2a$



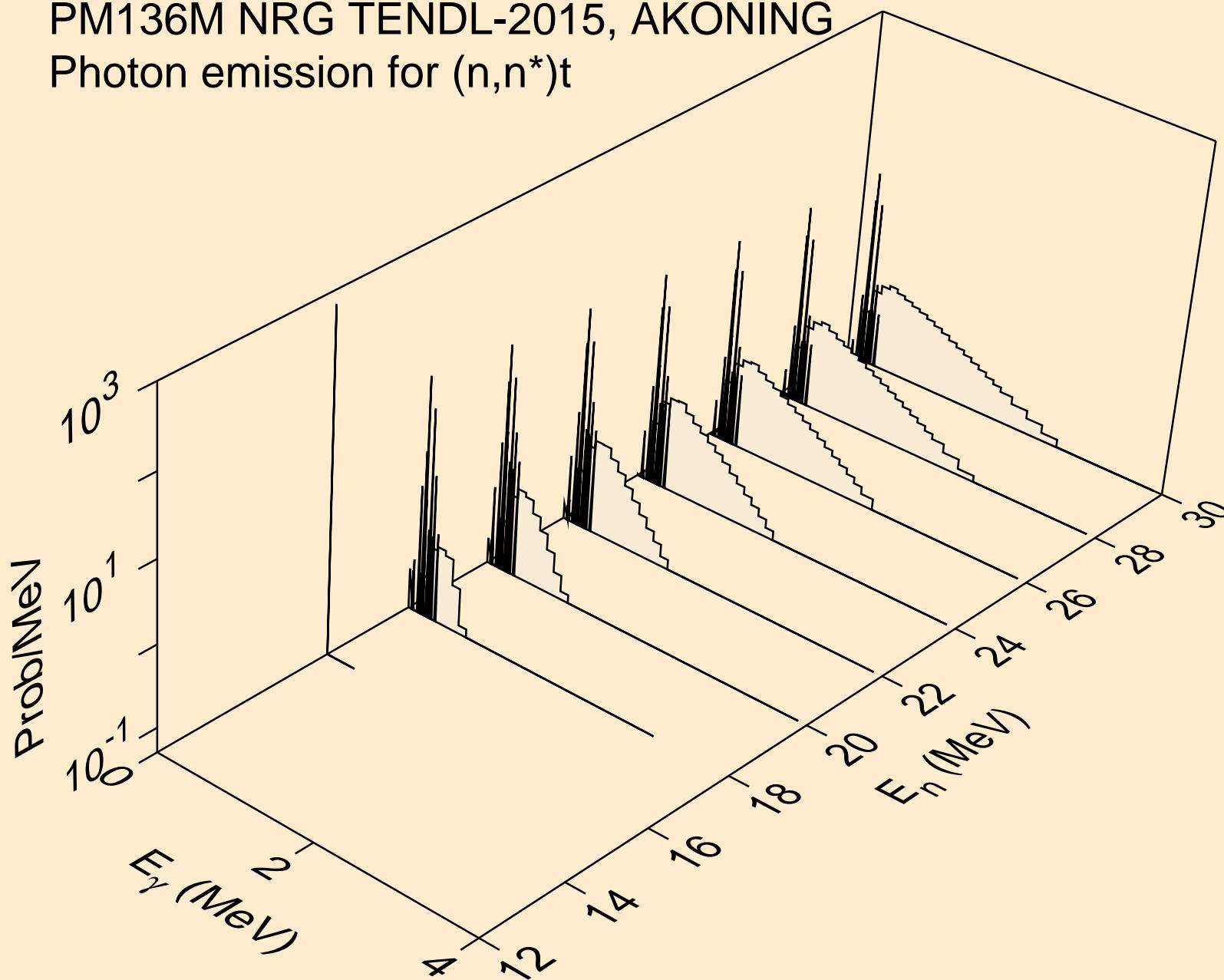
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Photon emission for (n,2n)2a



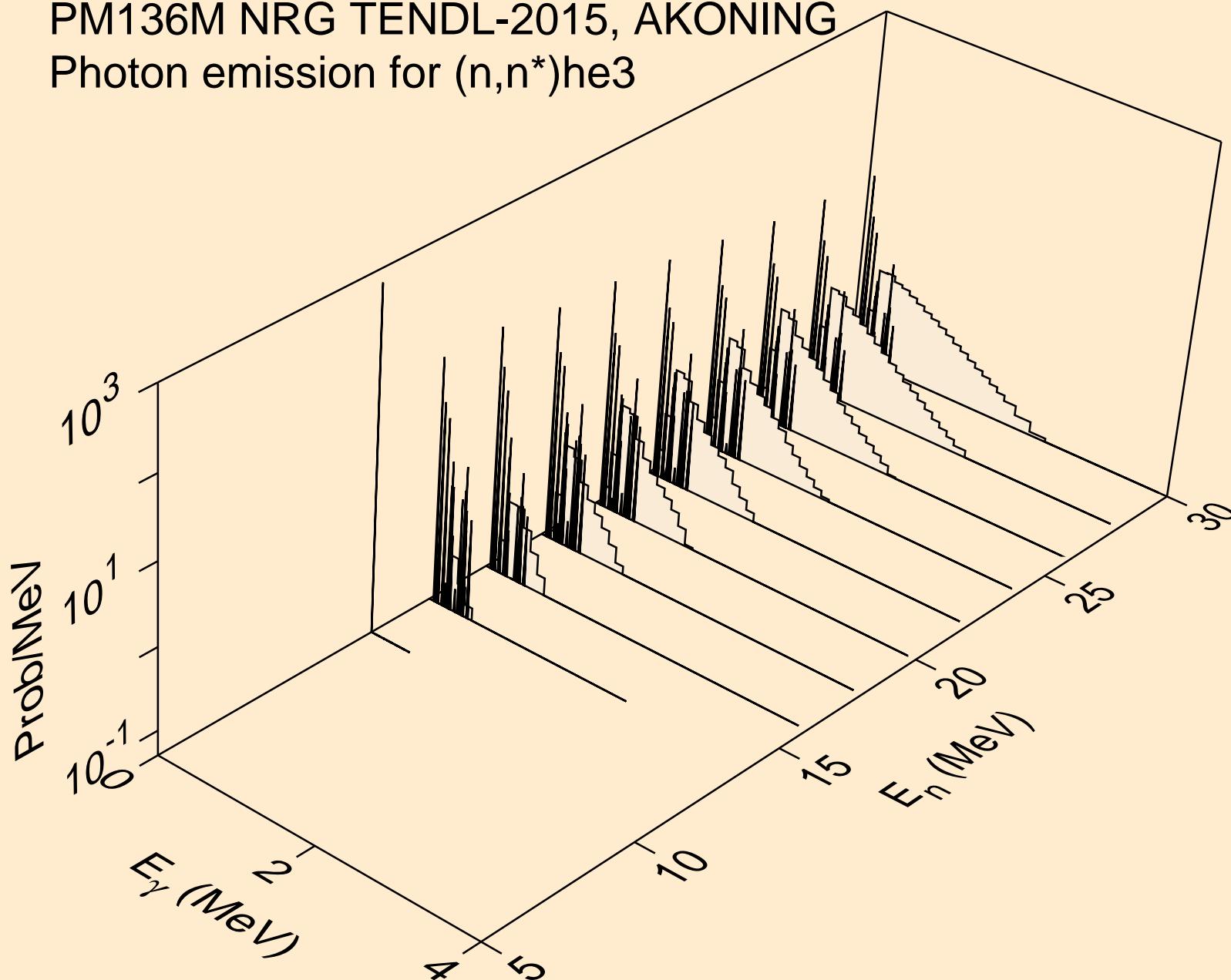
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Photon emission for  $(n,n^*)d$



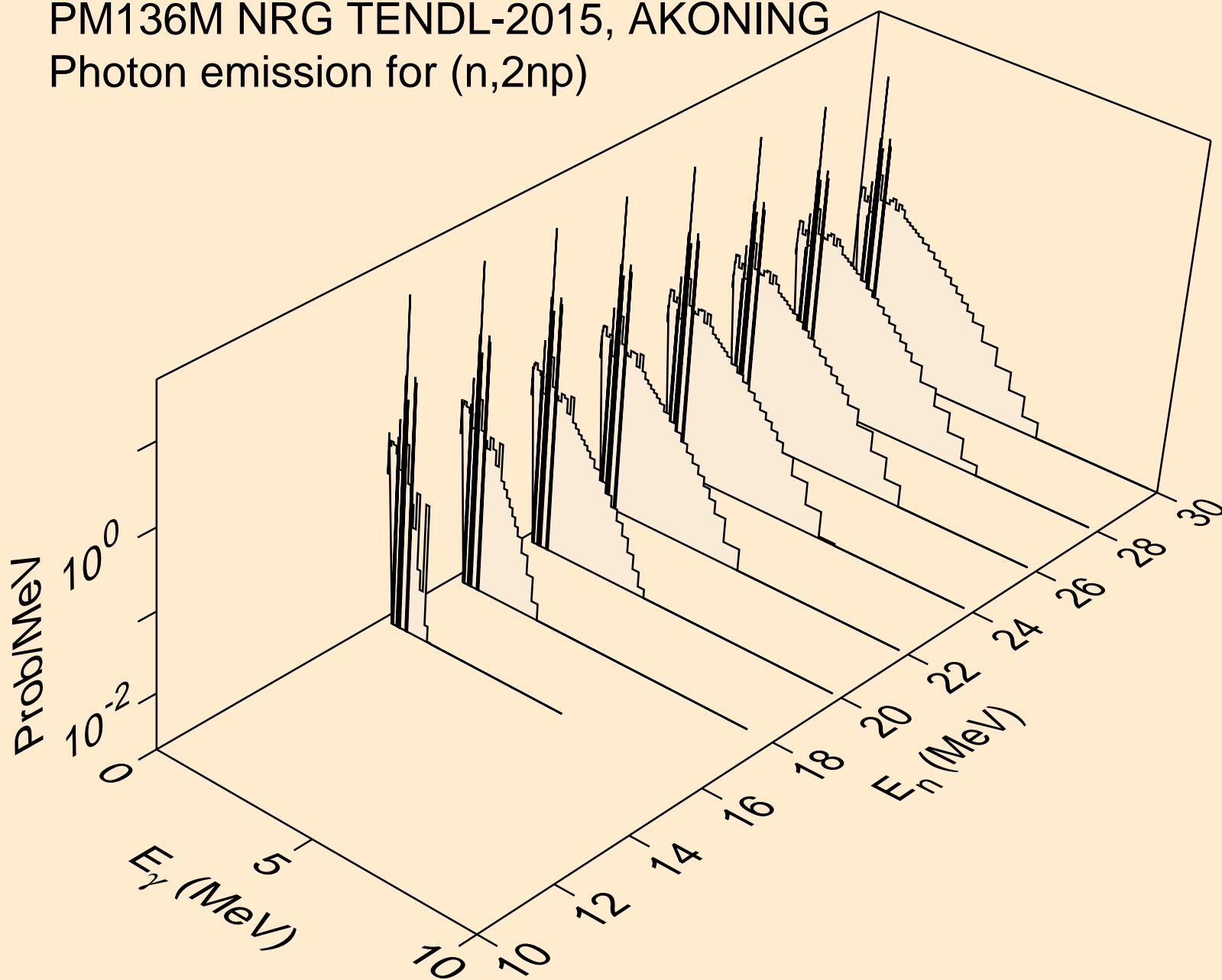
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Photon emission for  $(n,n^*)t$



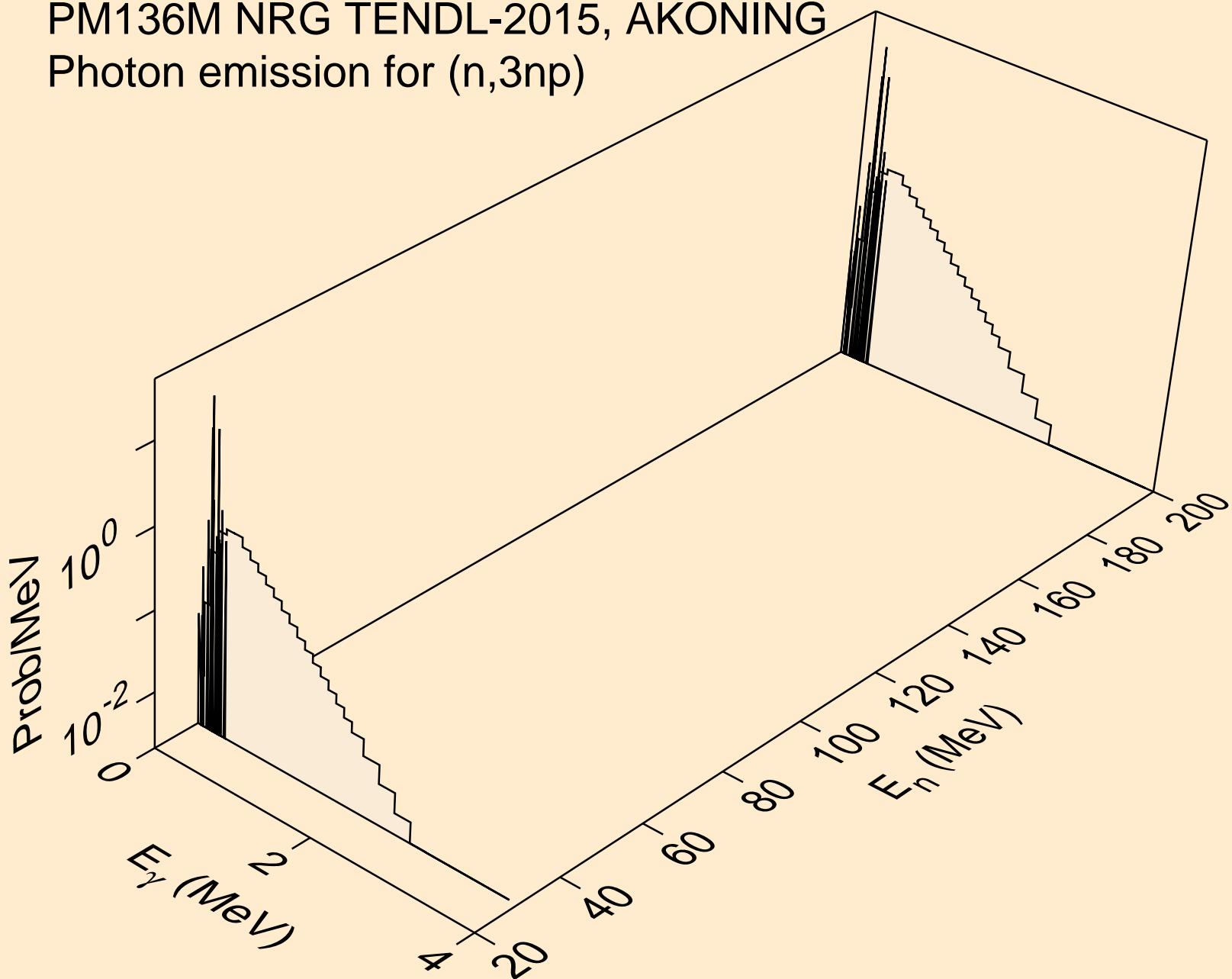
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Photon emission for  $(n,n^*)\text{he3}$



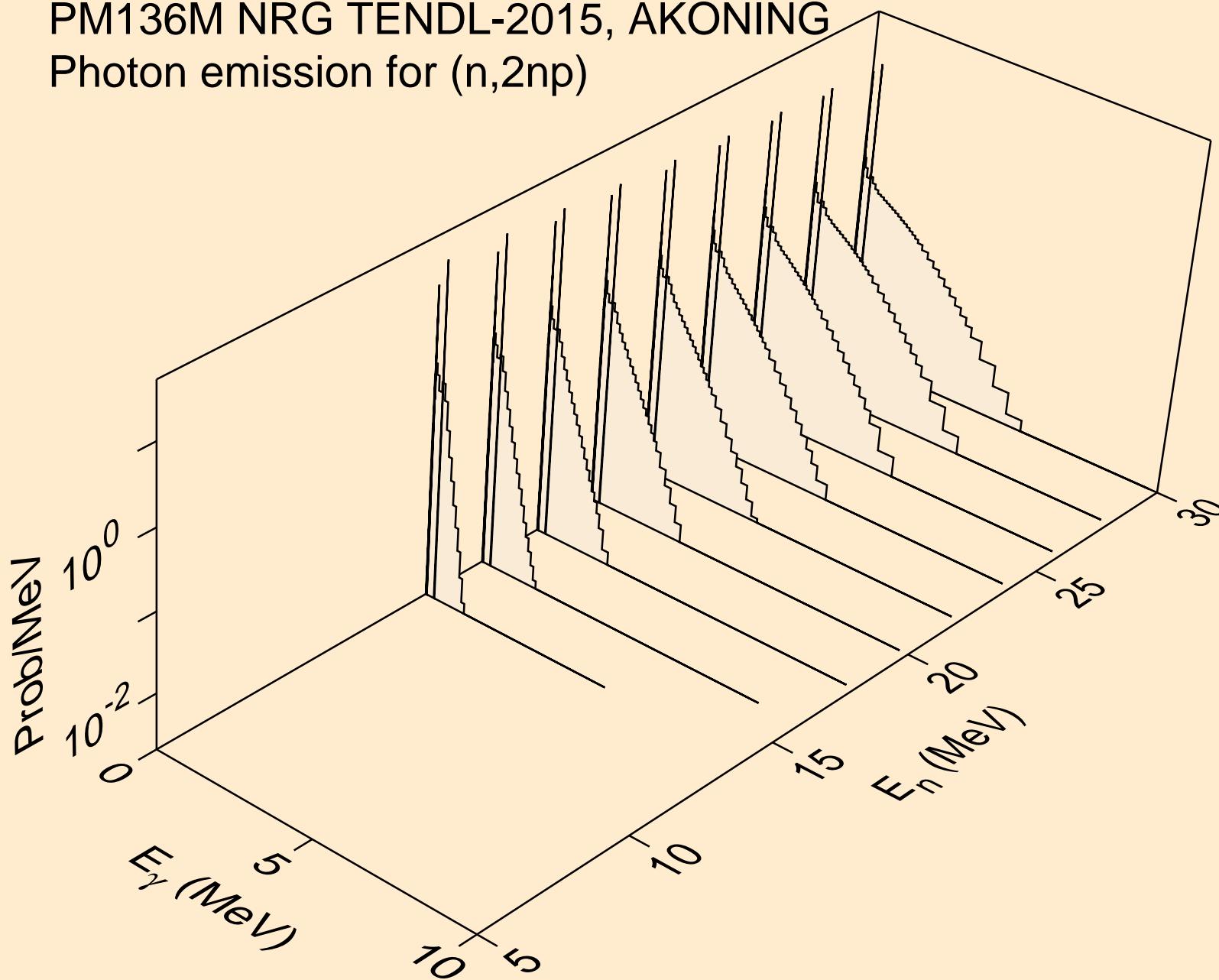
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Photon emission for (n,2np)



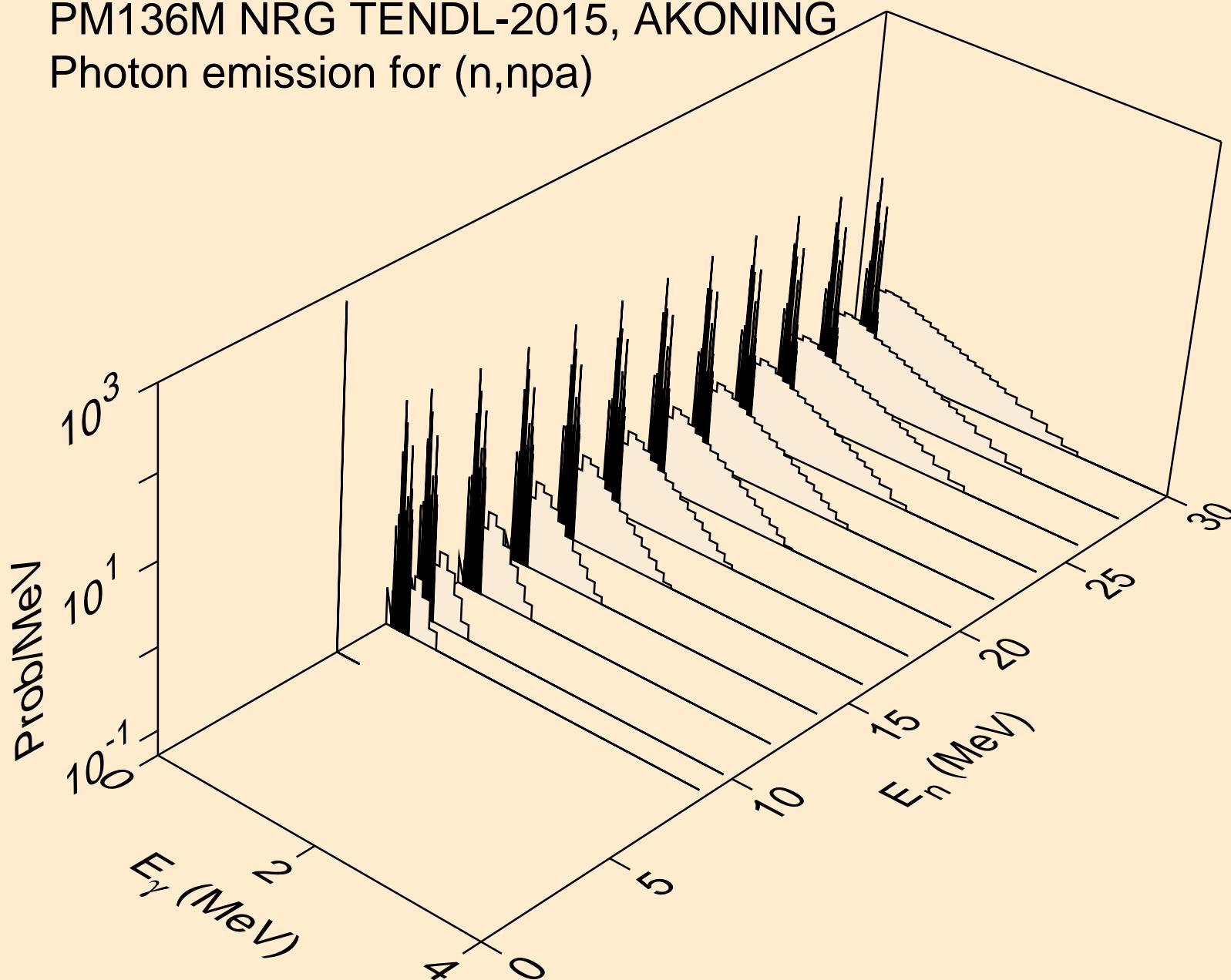
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Photon emission for (n,3np)



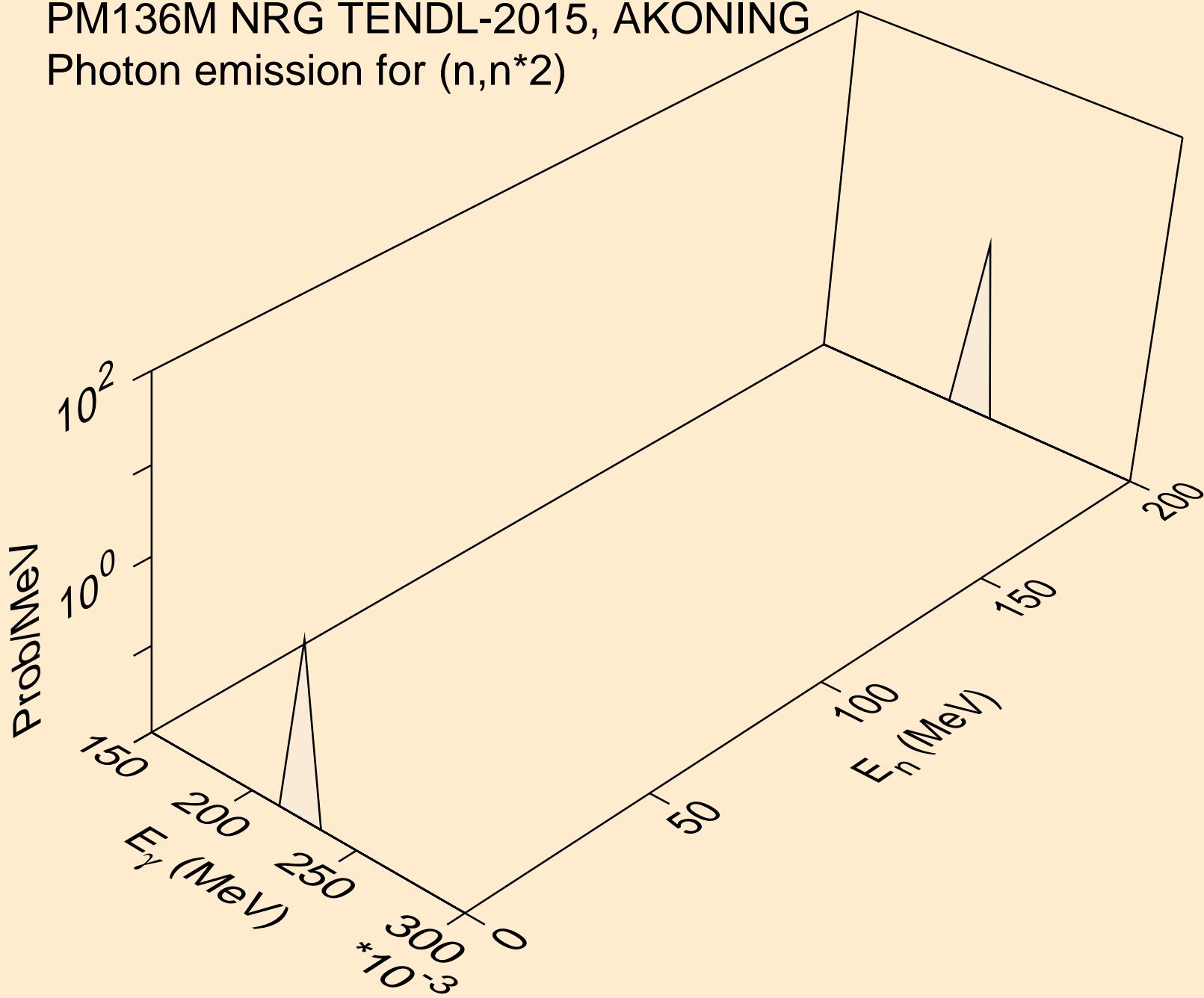
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Photon emission for (n,2np)



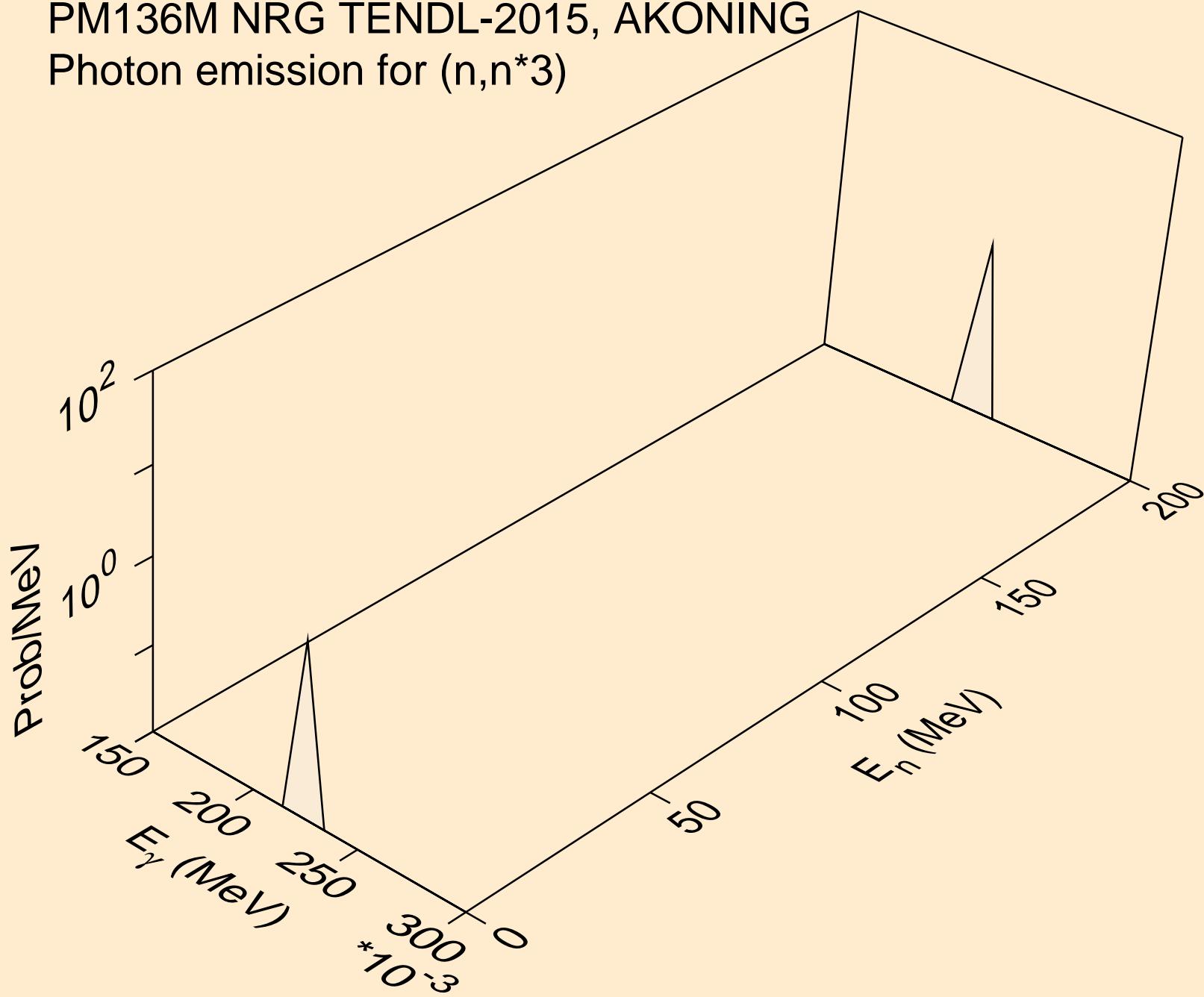
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Photon emission for (n,npa)



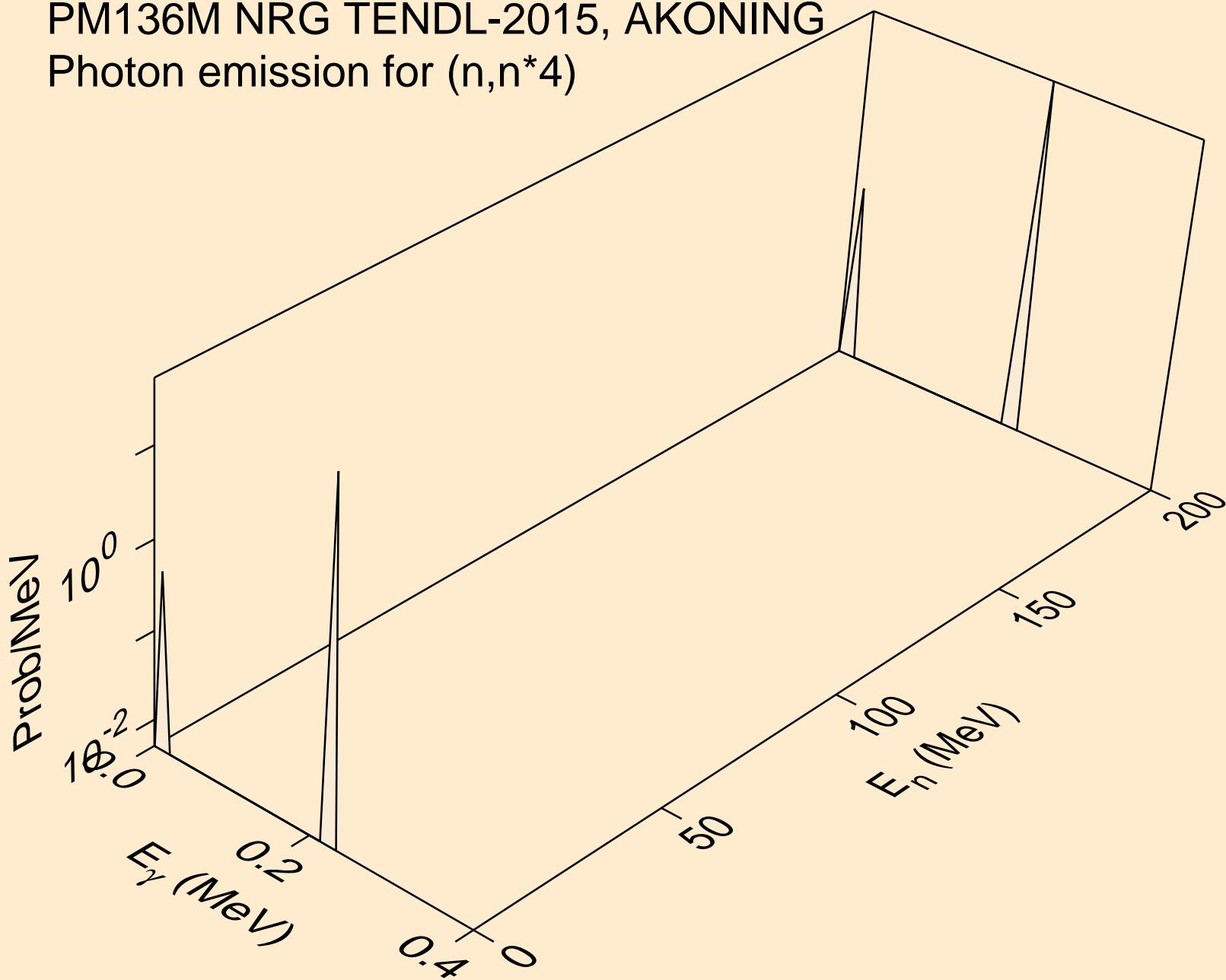
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Photon emission for (n,n\*2)



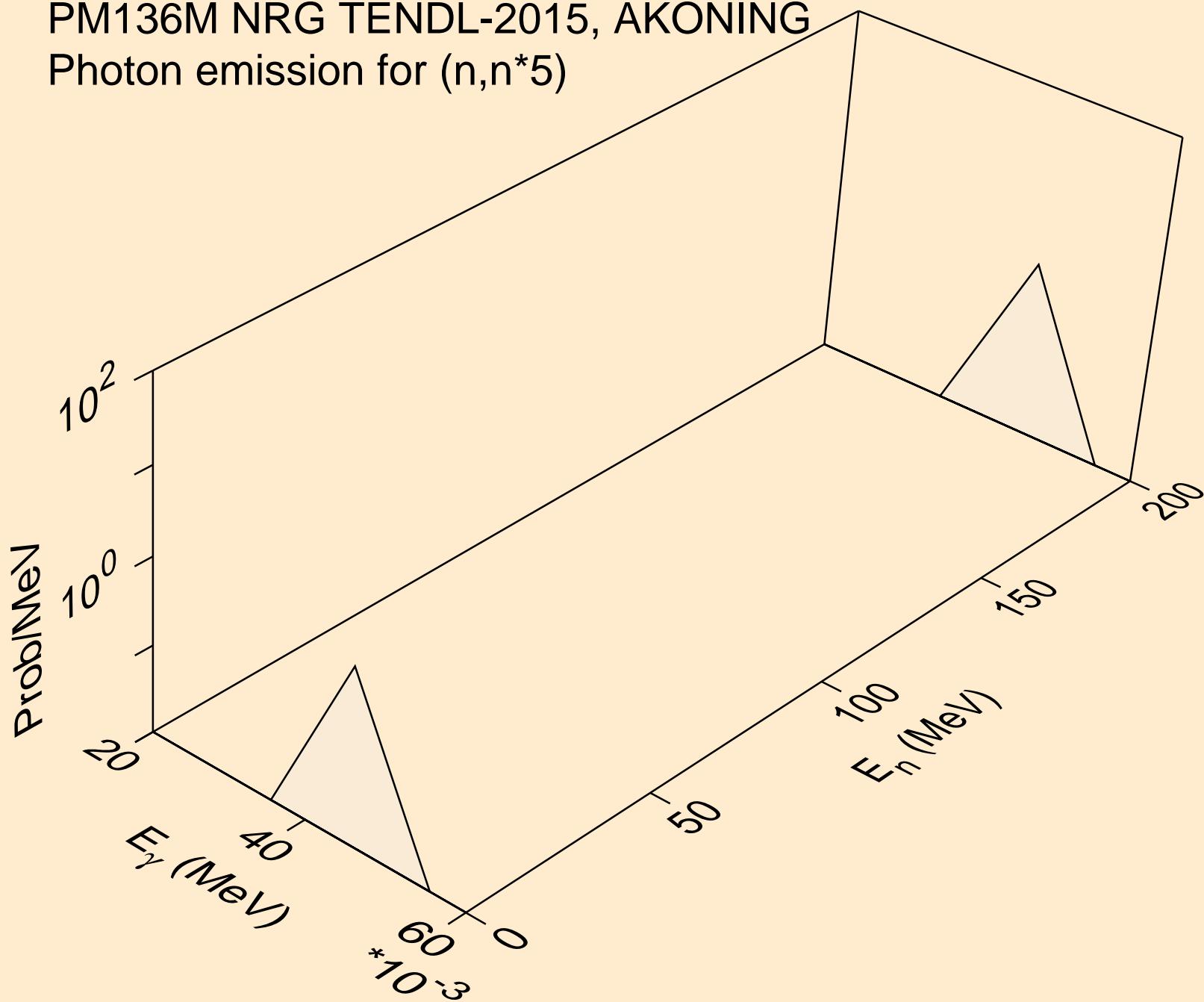
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Photon emission for (n,n\*3)



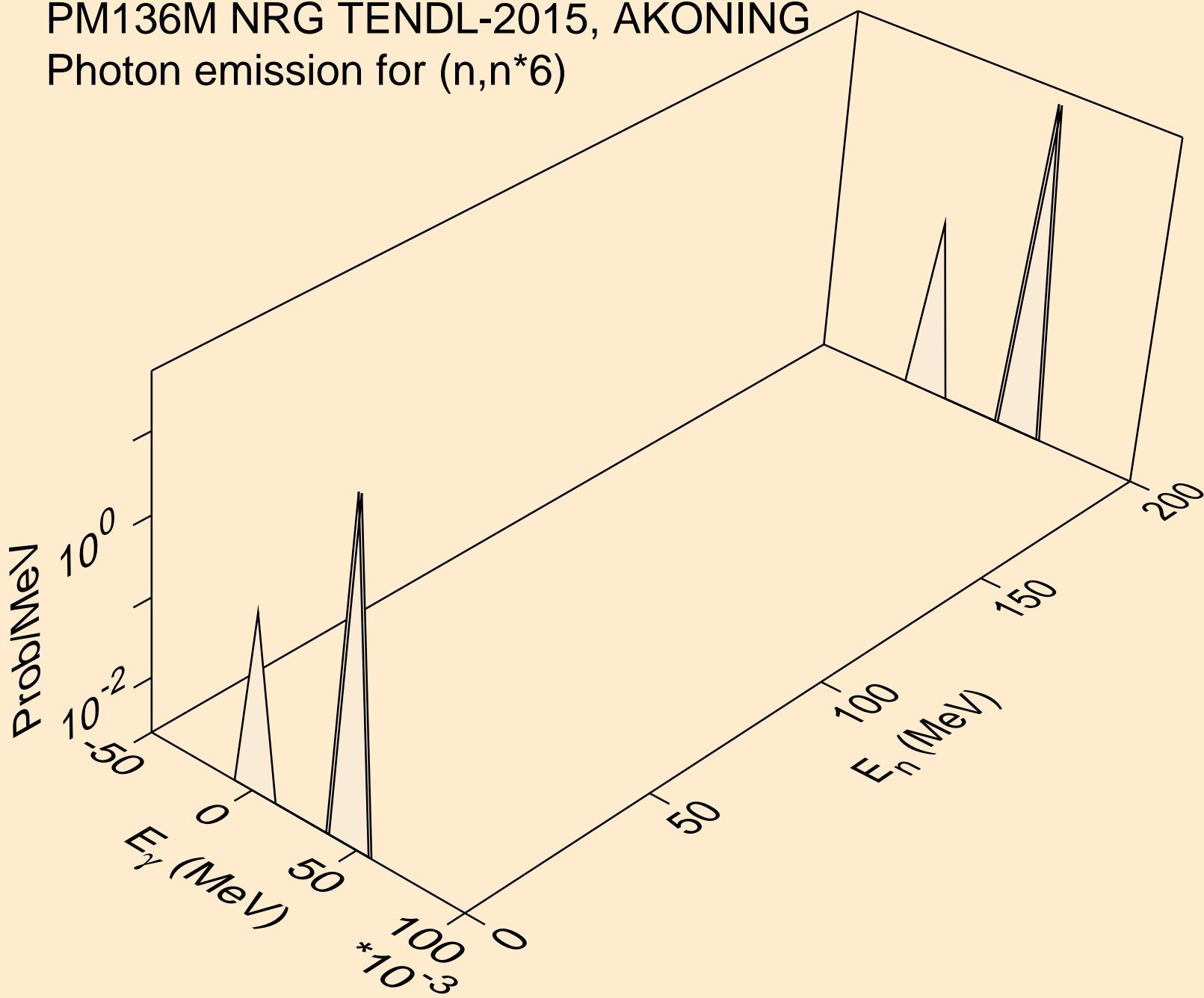
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Photon emission for (n,n\*4)



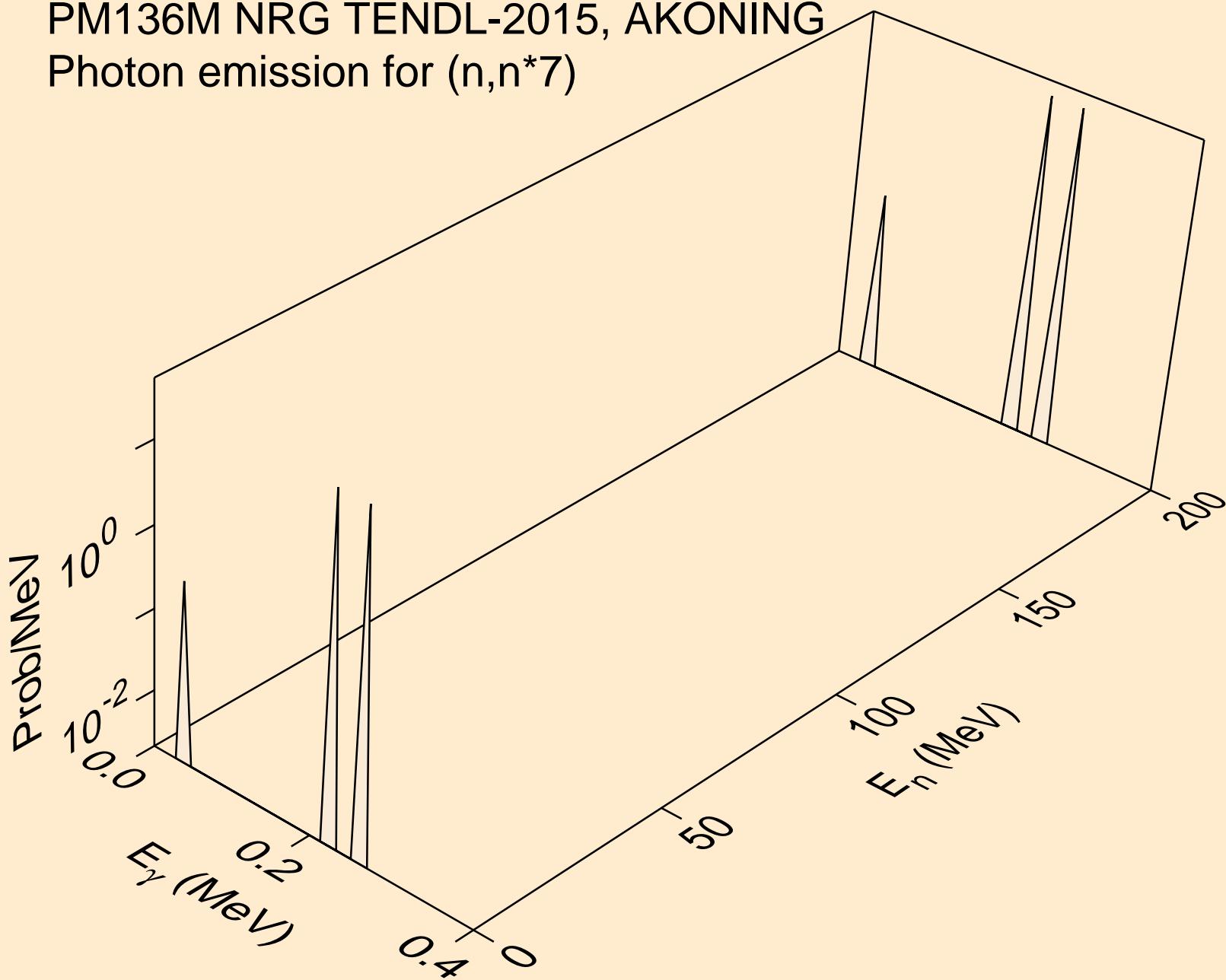
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Photon emission for (n,n\*5)



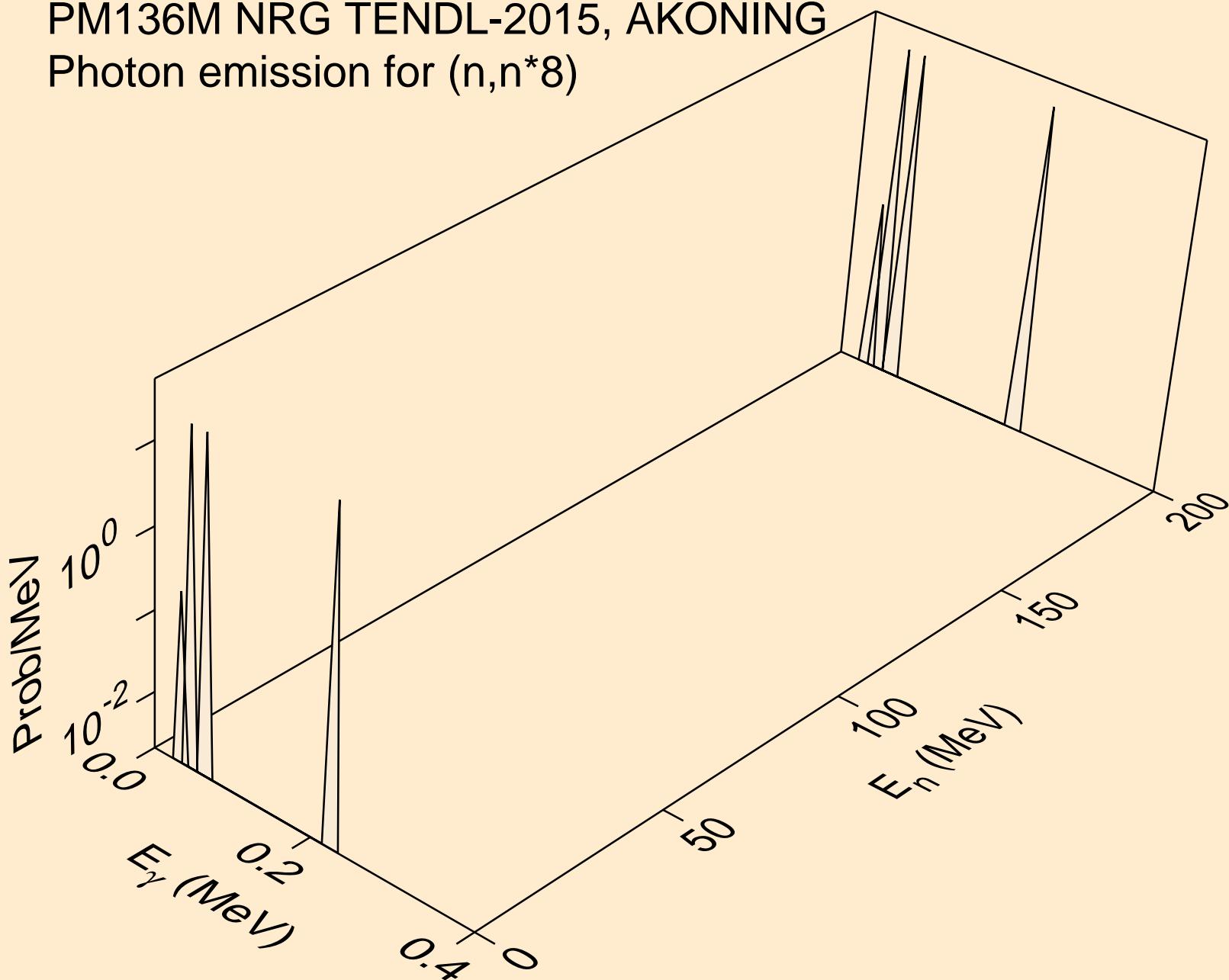
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Photon emission for (n,n\*6)



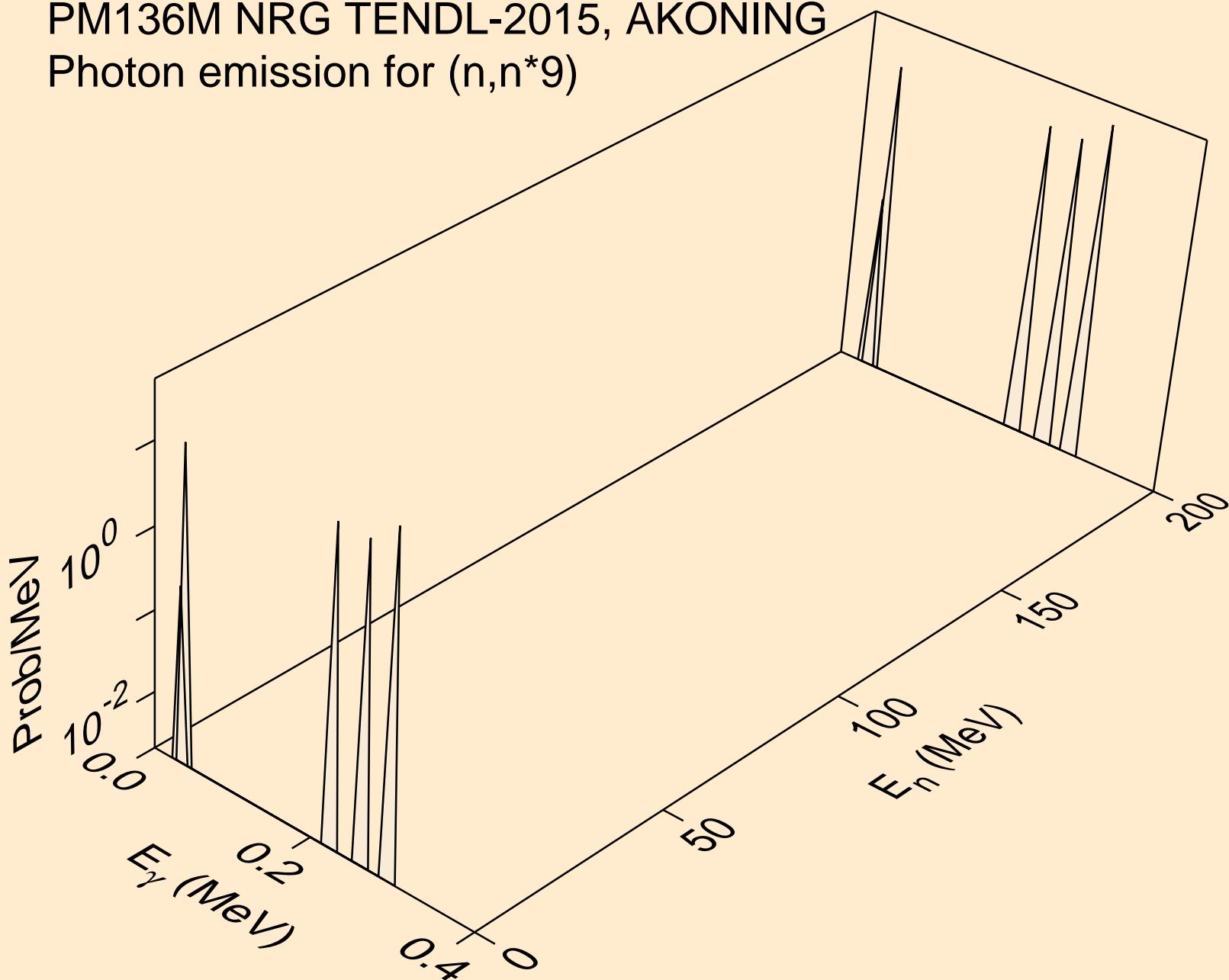
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Photon emission for (n,n\*7)



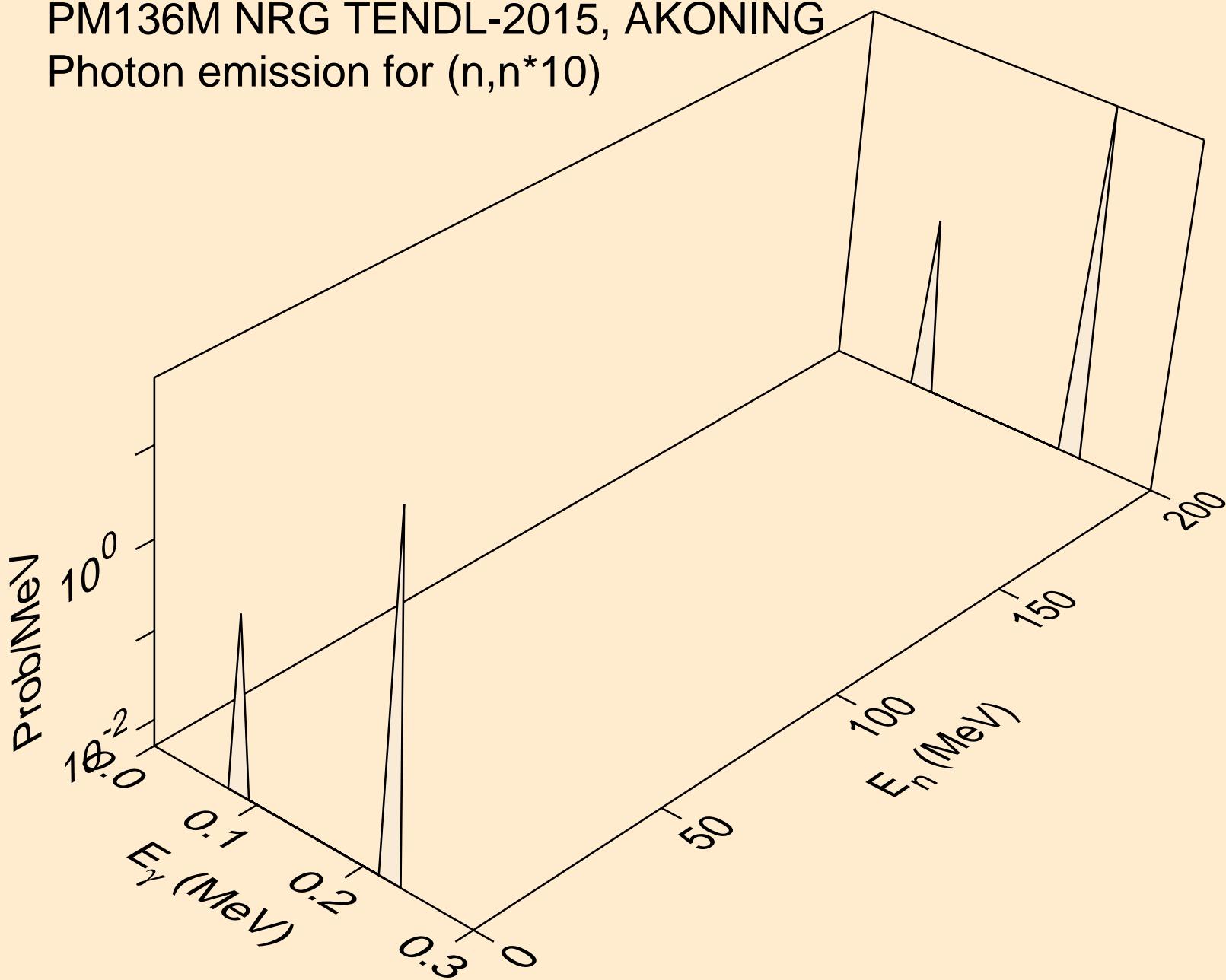
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Photon emission for (n,n\*8)



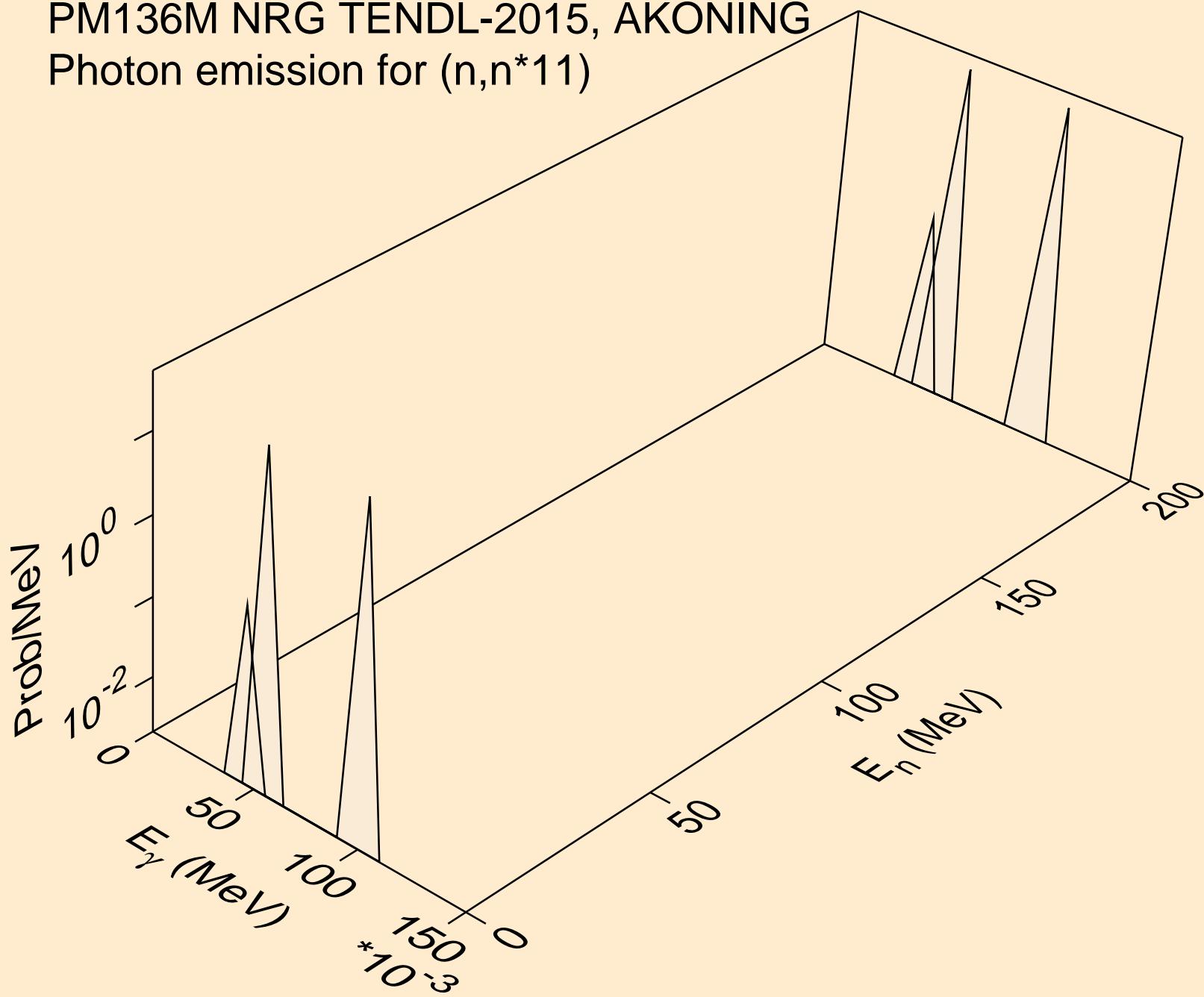
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Photon emission for (n,n\*9)



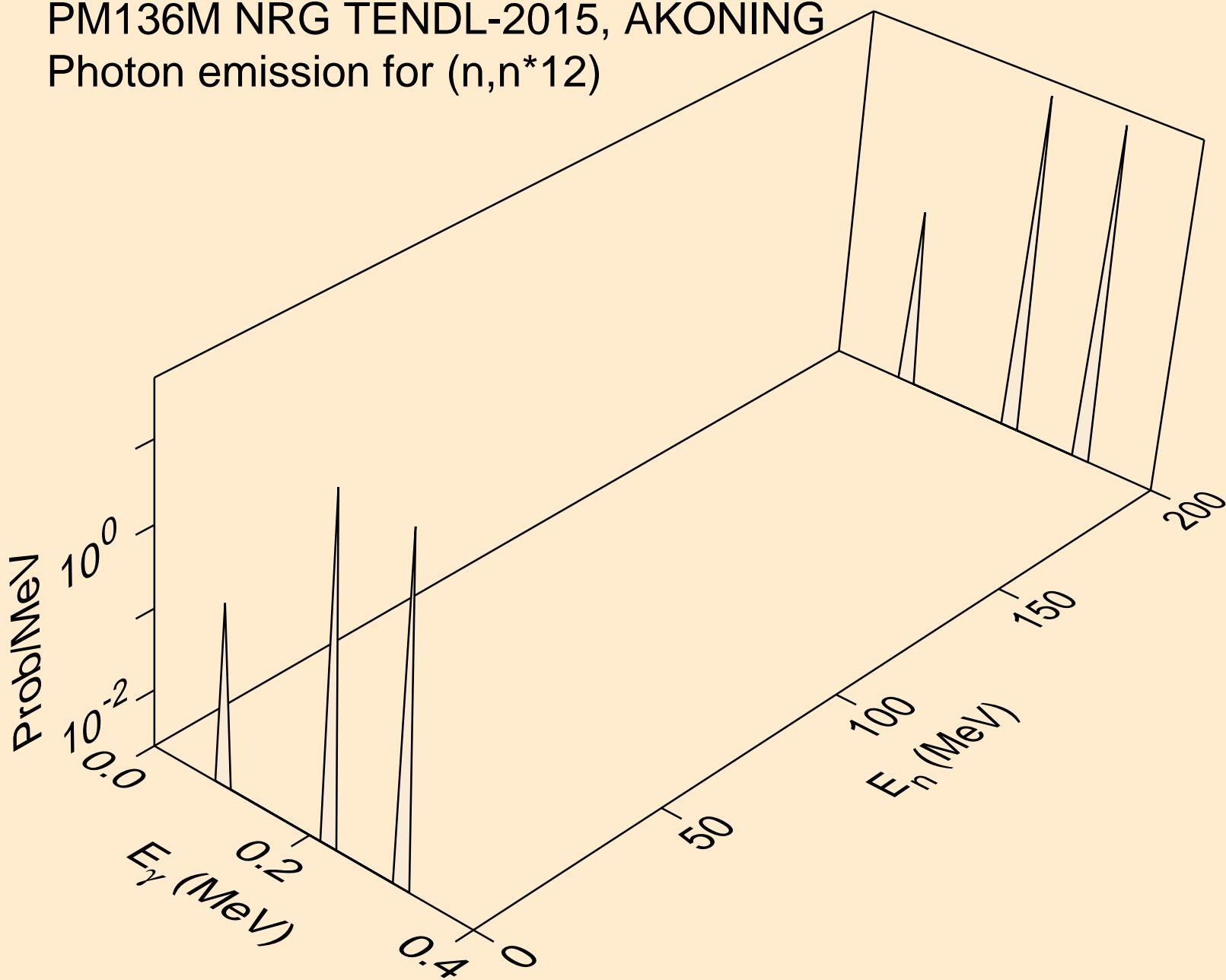
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Photon emission for (n,n\*10)



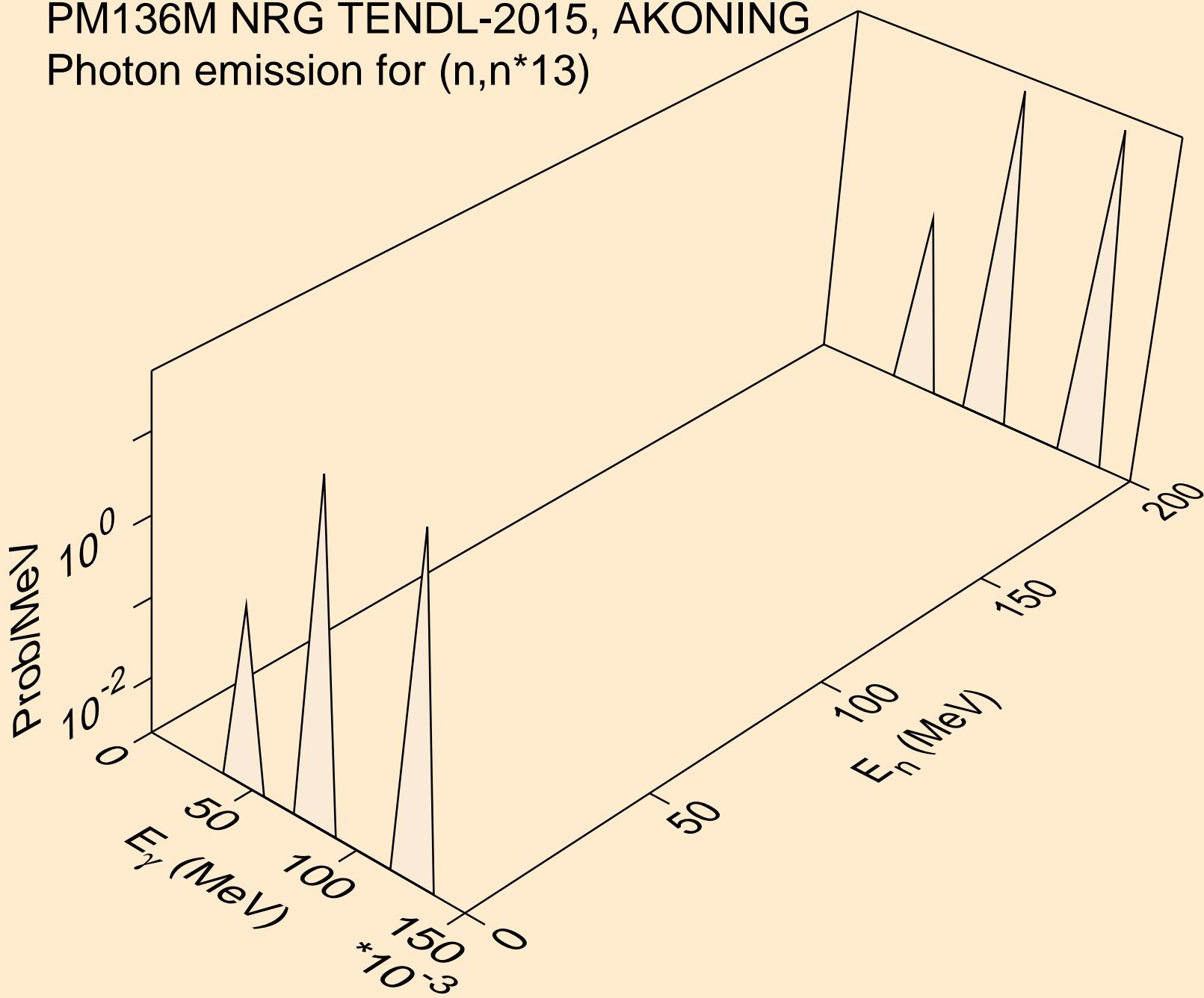
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Photon emission for (n,n\*11)



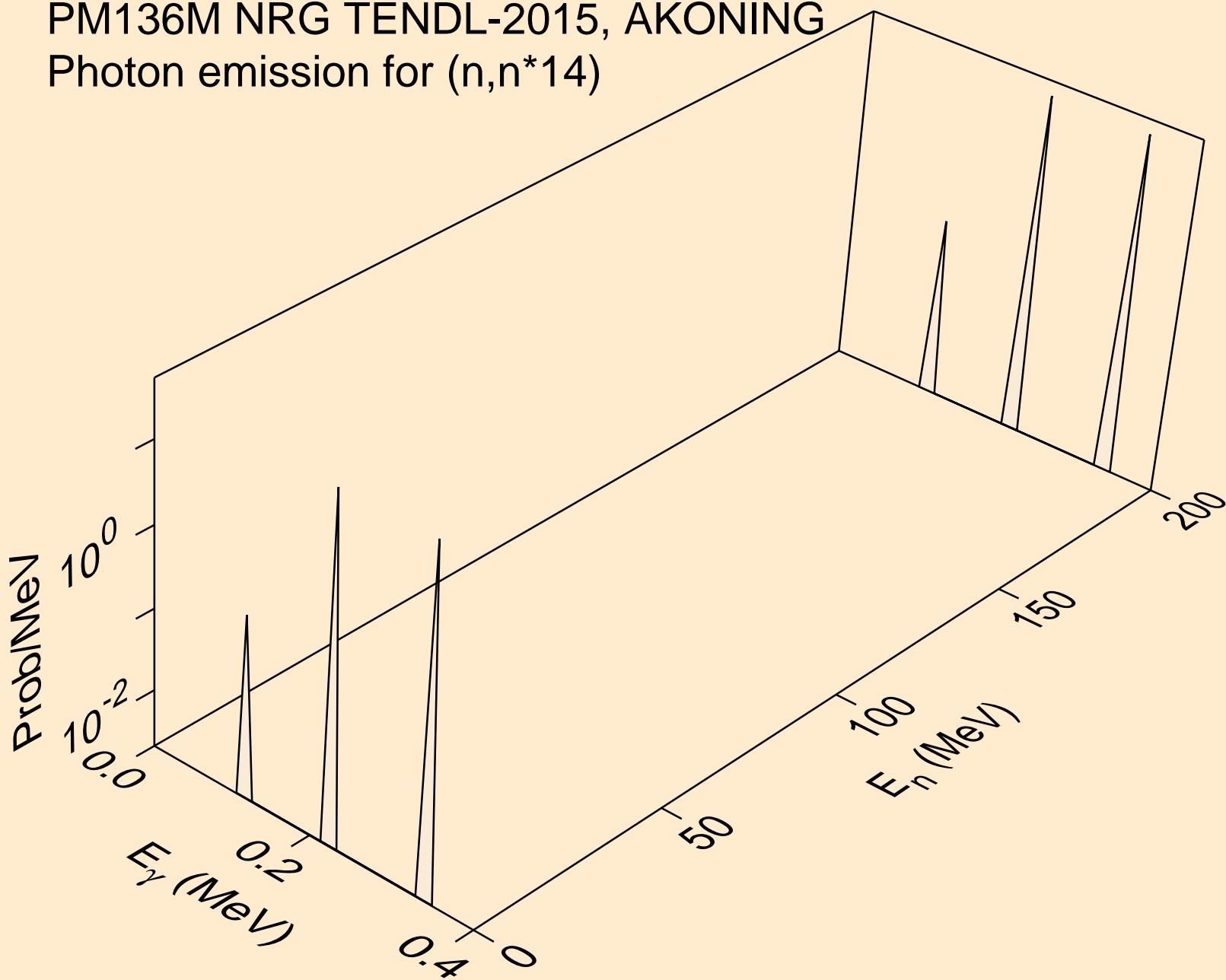
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Photon emission for (n,n\*12)



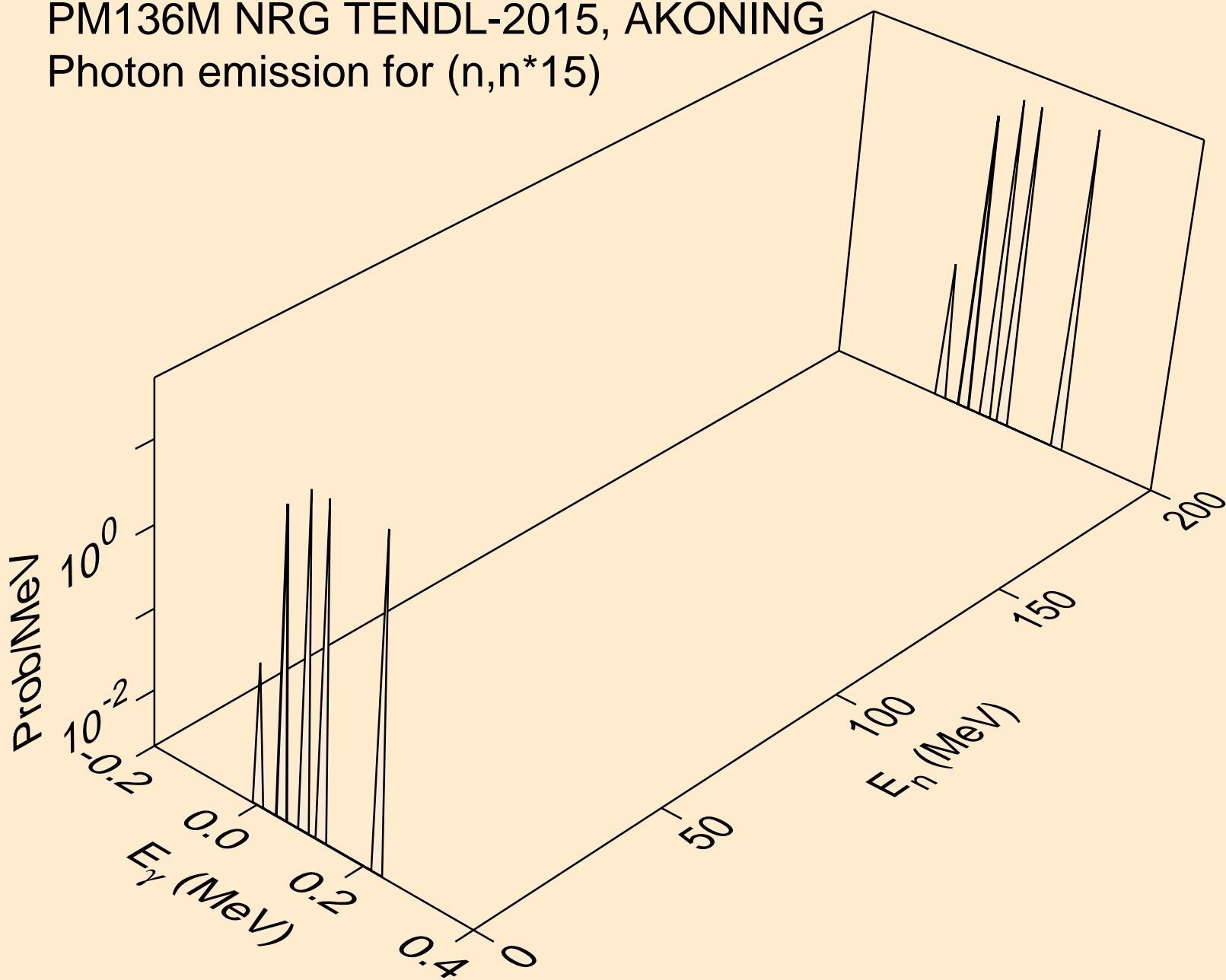
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Photon emission for (n,n\*13)



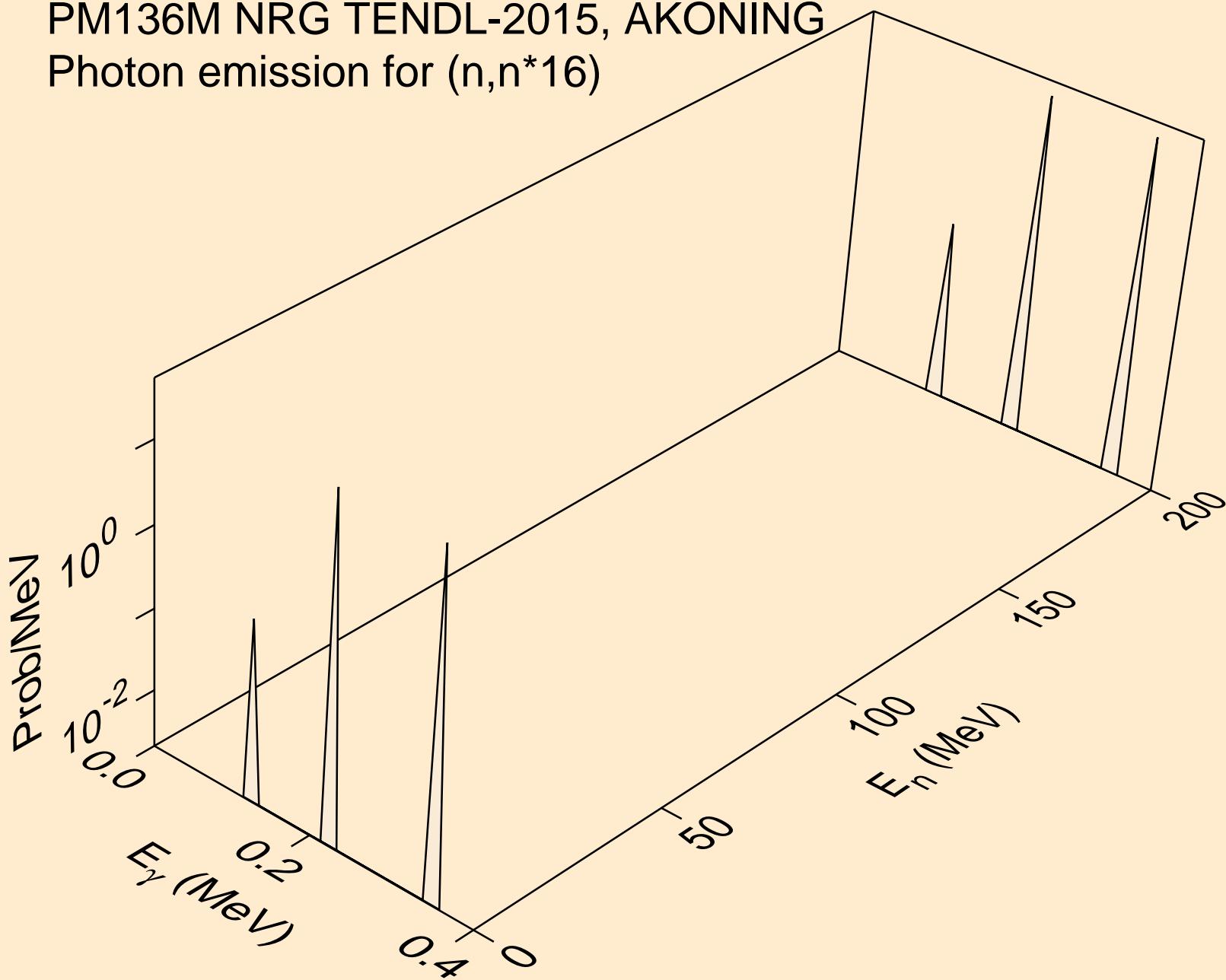
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Photon emission for ( $n, n^* 14$ )



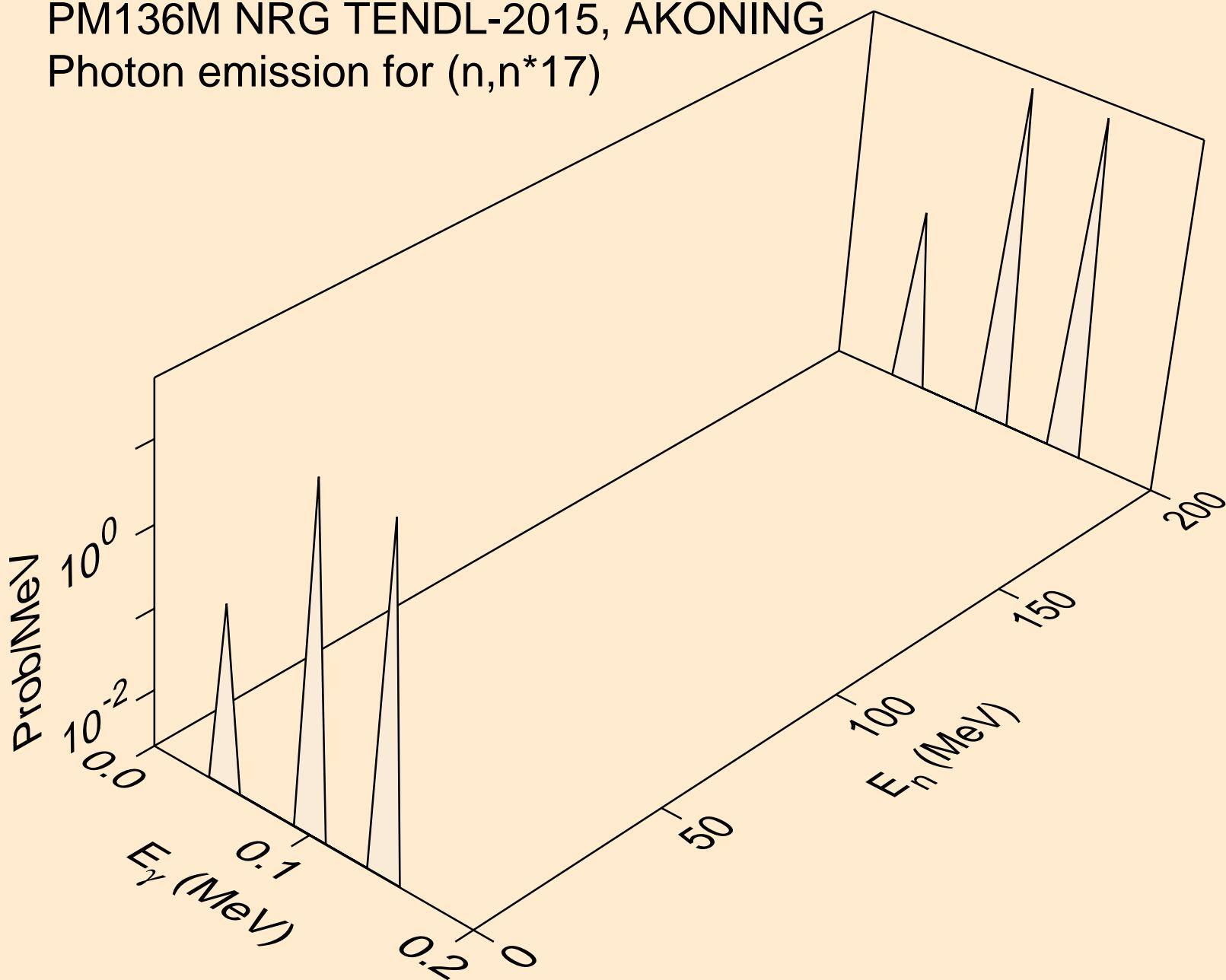
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Photon emission for ( $n, n^* 15$ )



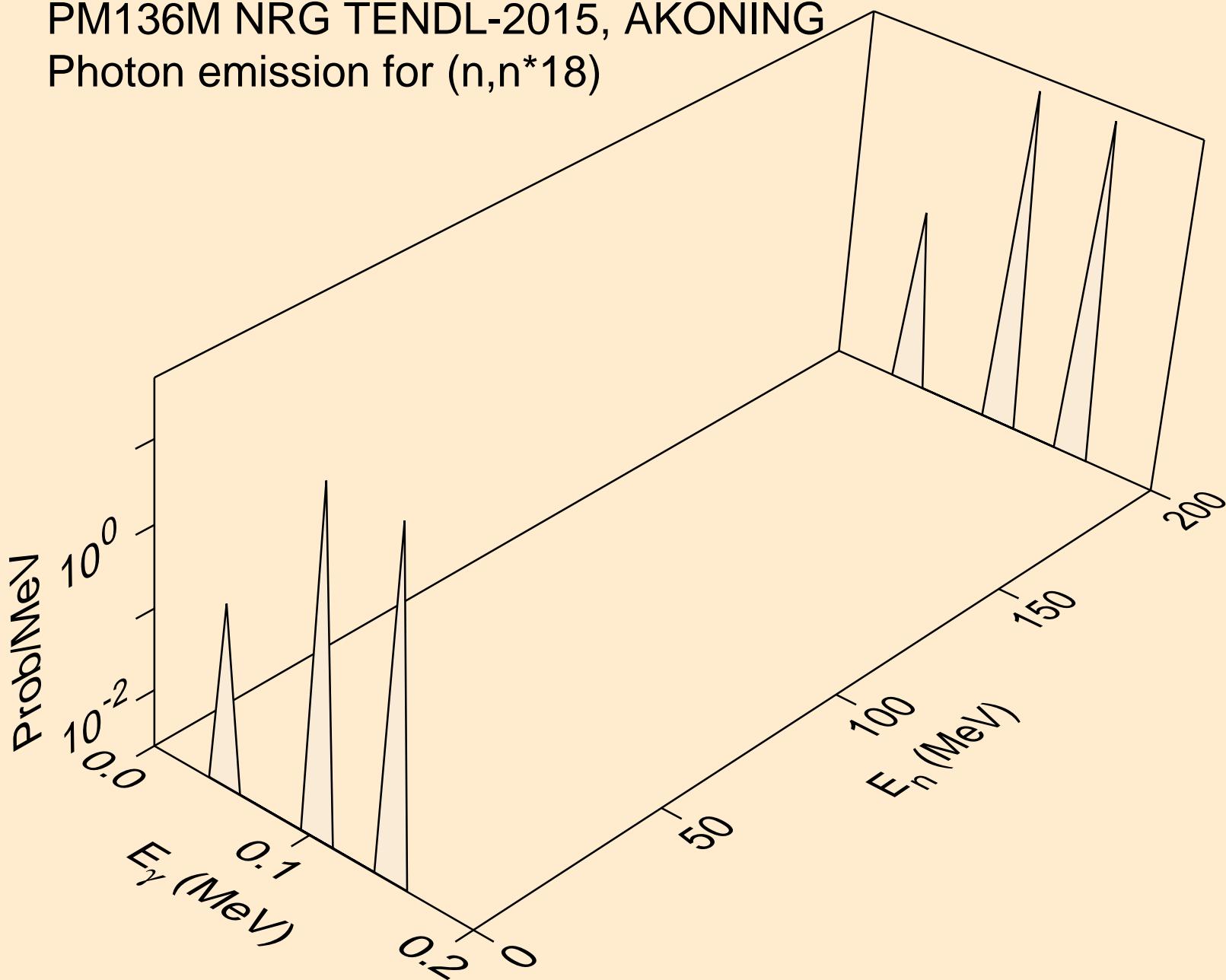
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Photon emission for (n,n\*16)



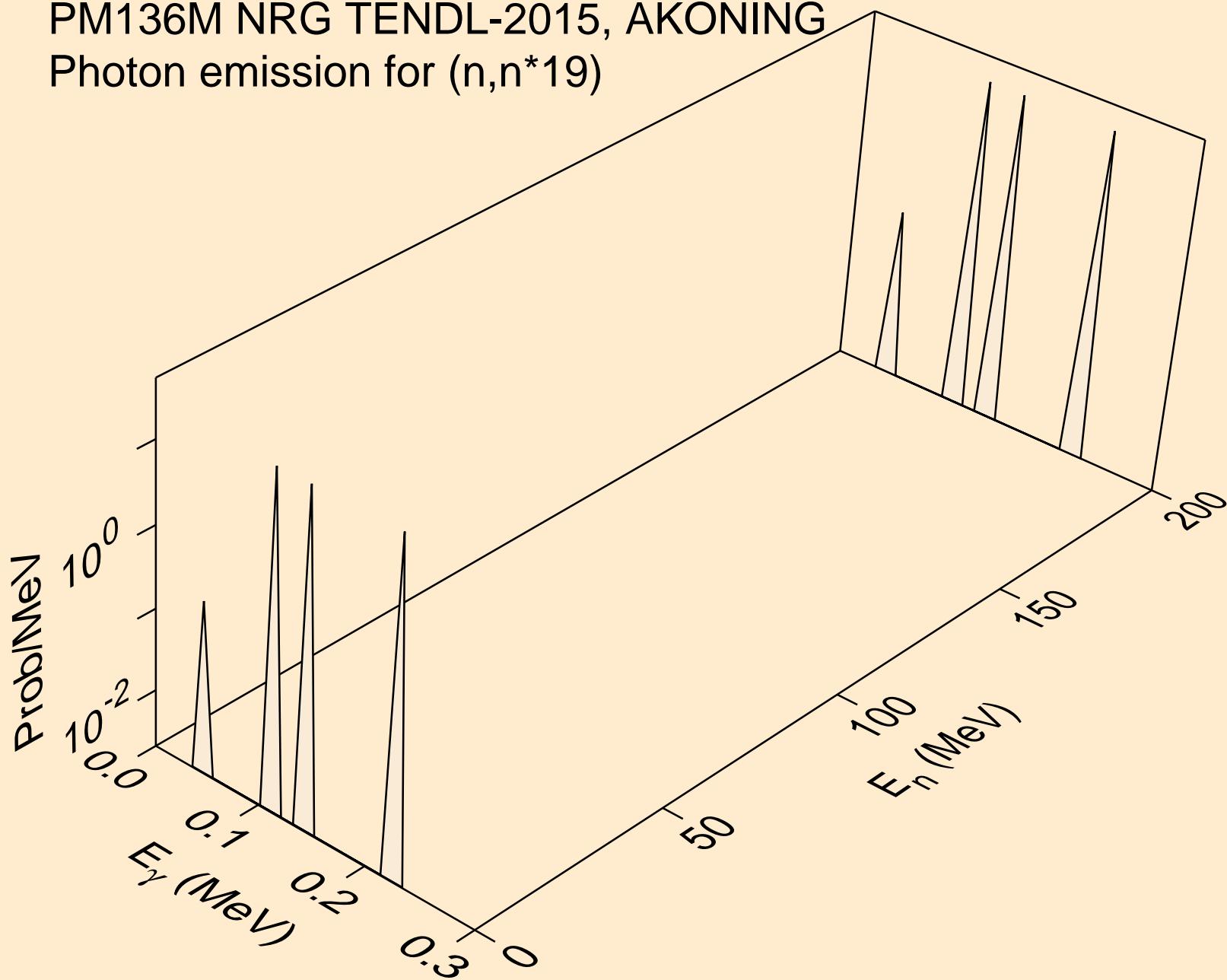
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Photon emission for (n,n\*17)



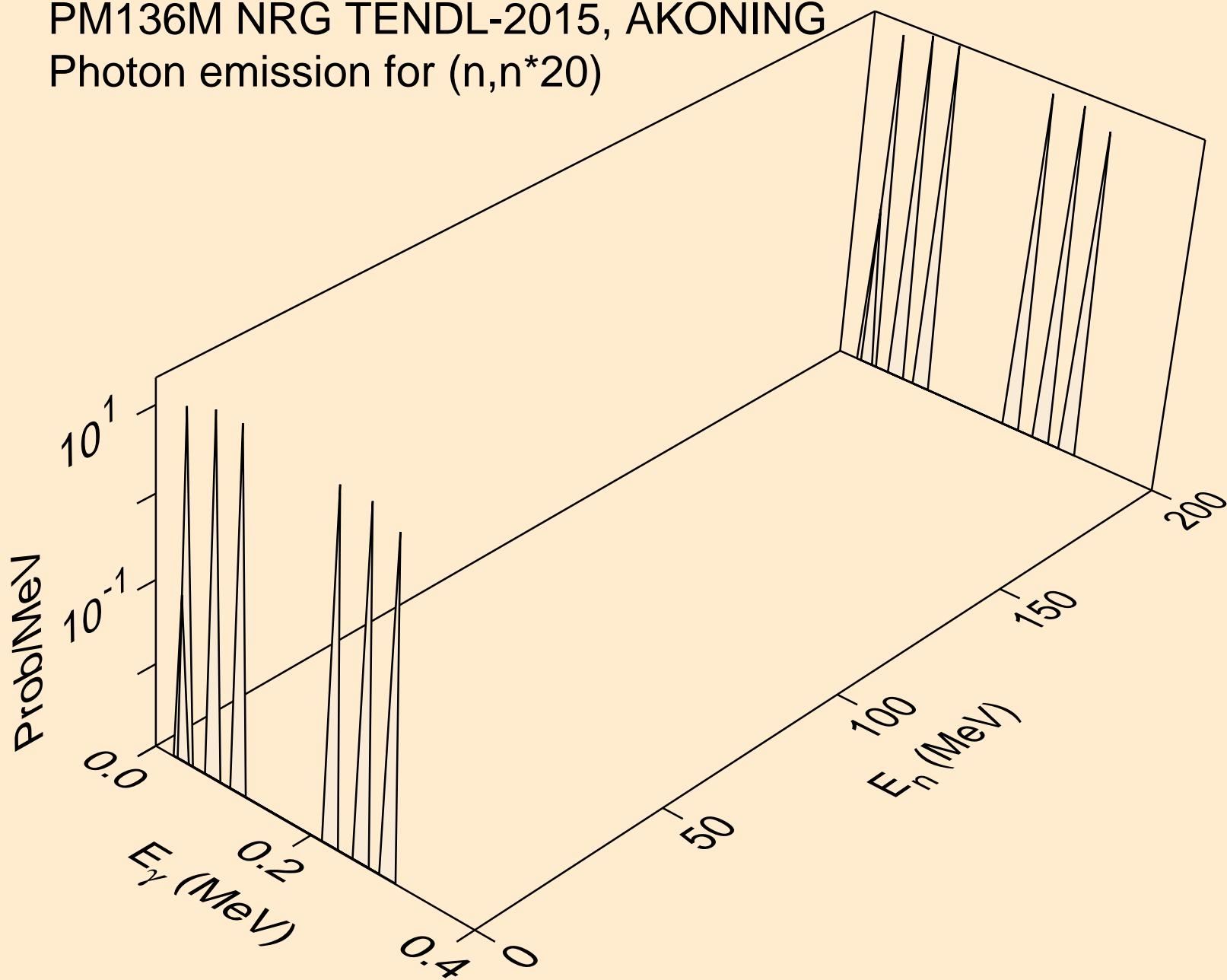
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Photon emission for (n,n\*18)



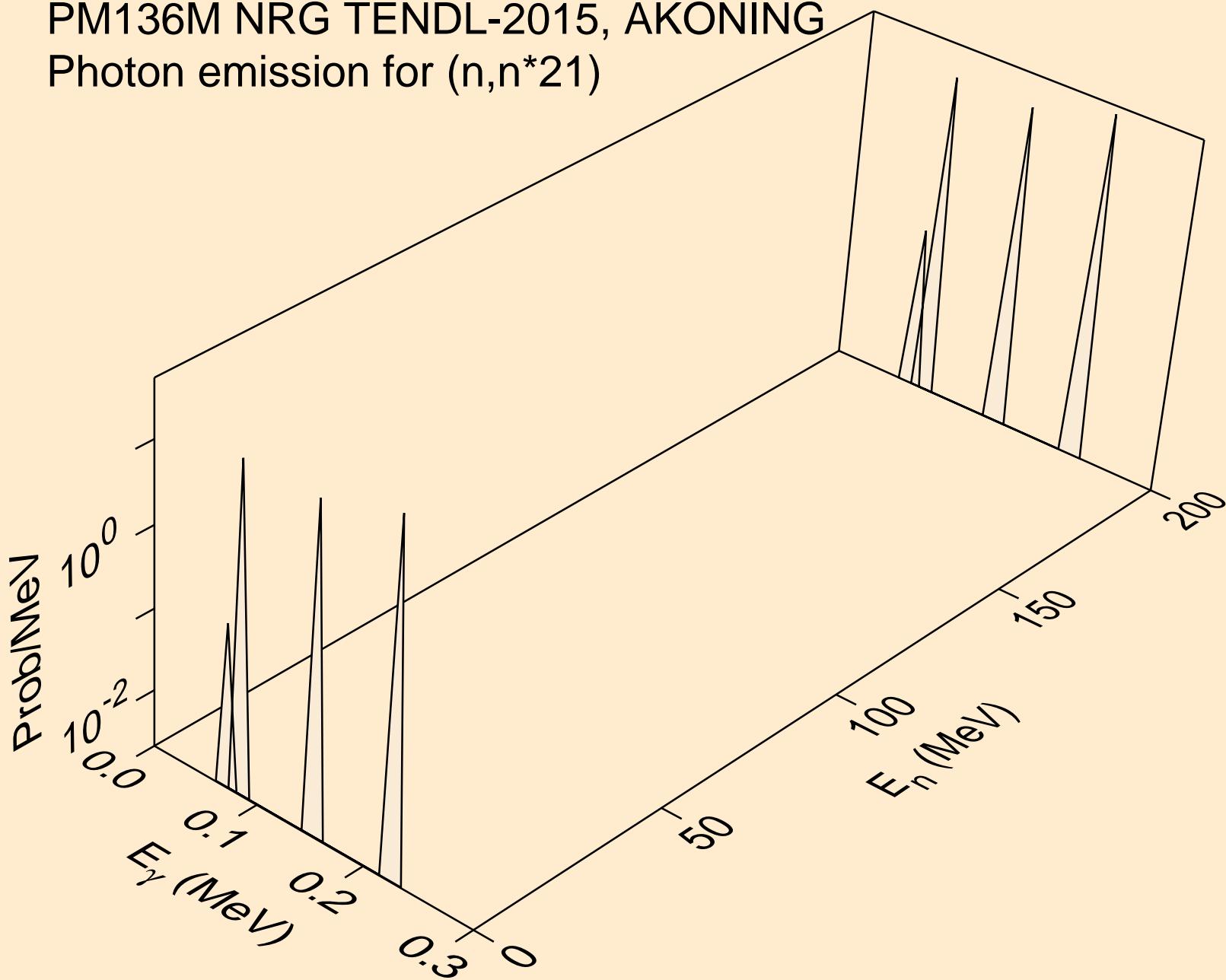
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Photon emission for (n,n\*19)



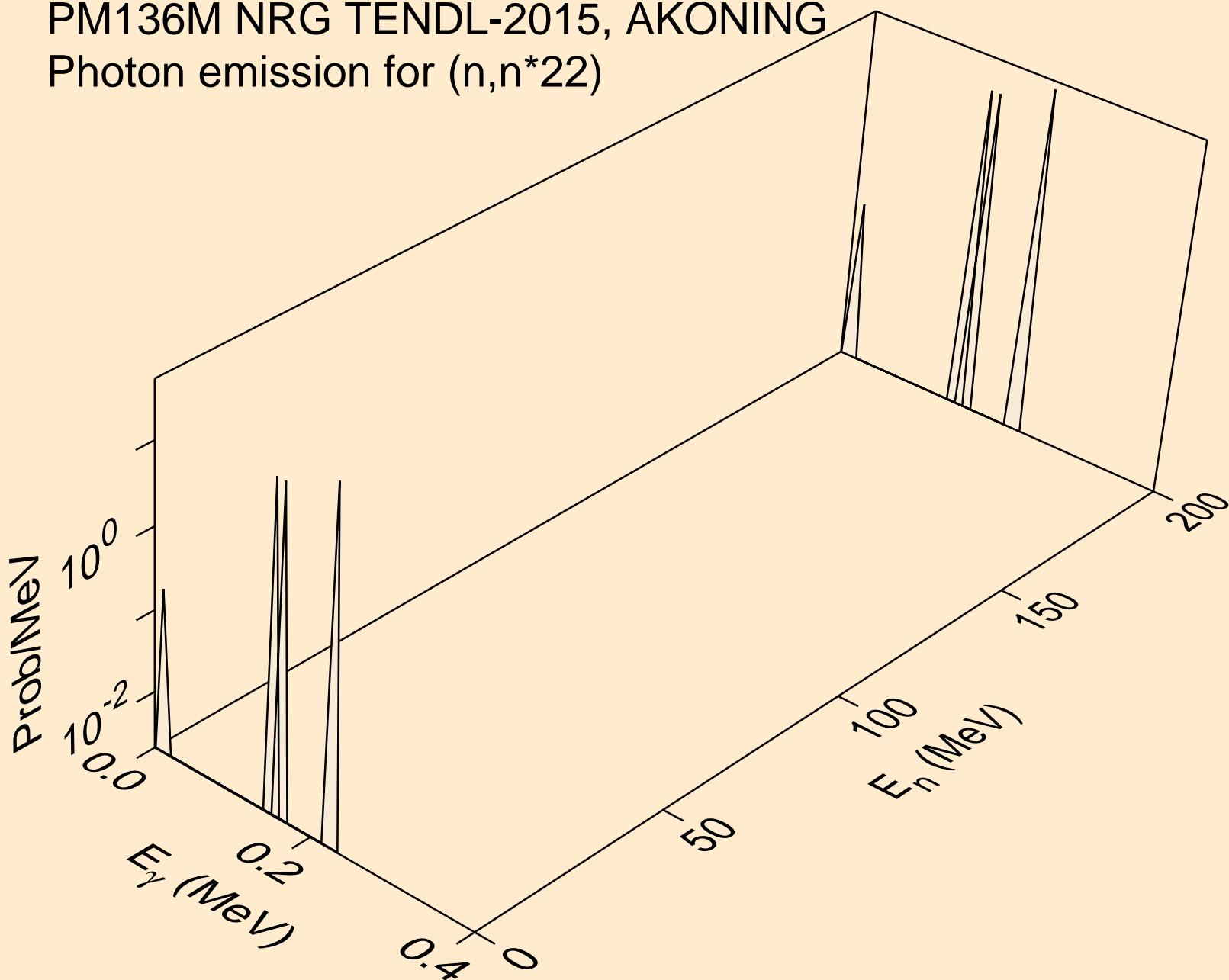
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Photon emission for (n,n\*20)



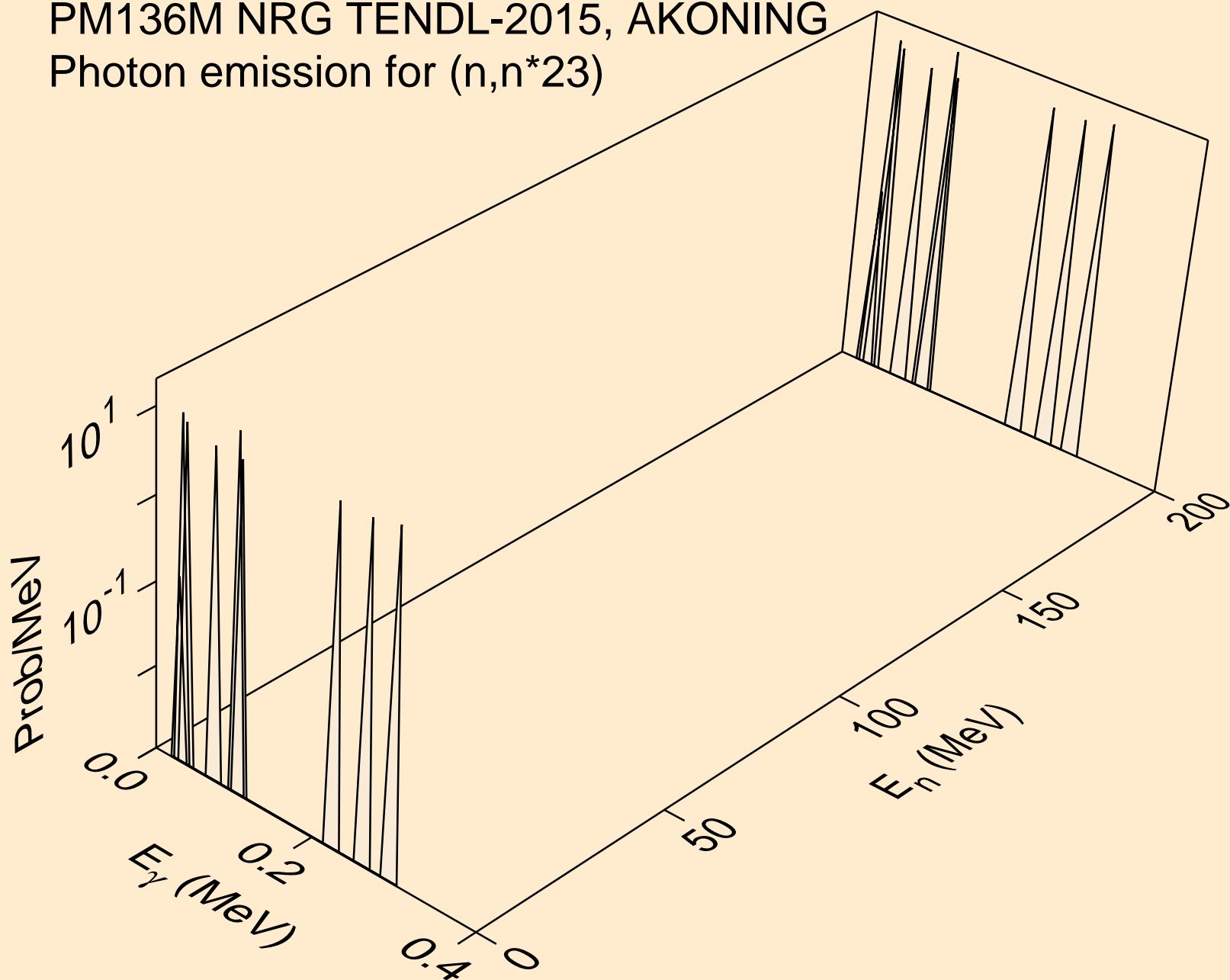
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Photon emission for (n,n\*21)



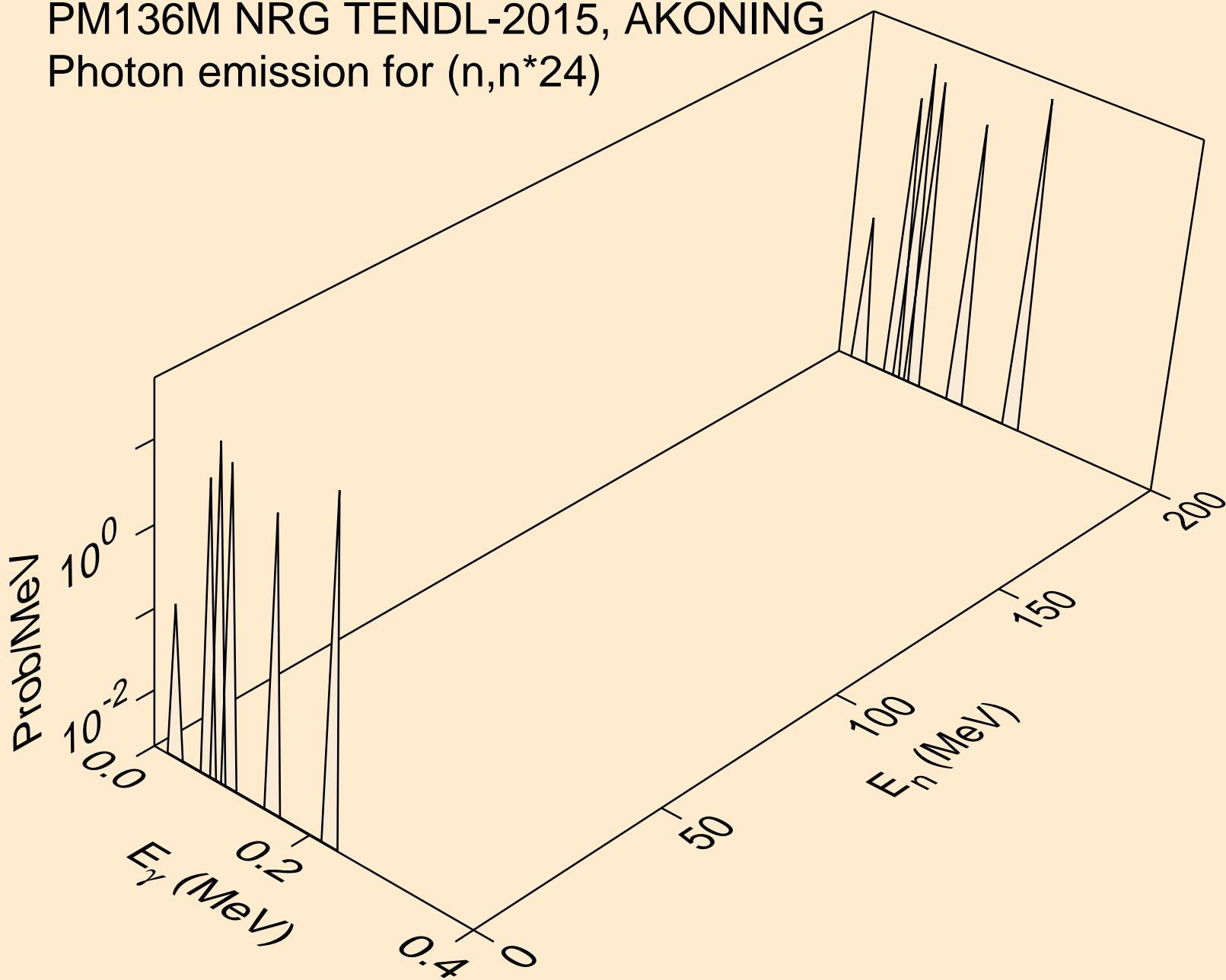
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Photon emission for (n,n\*22)



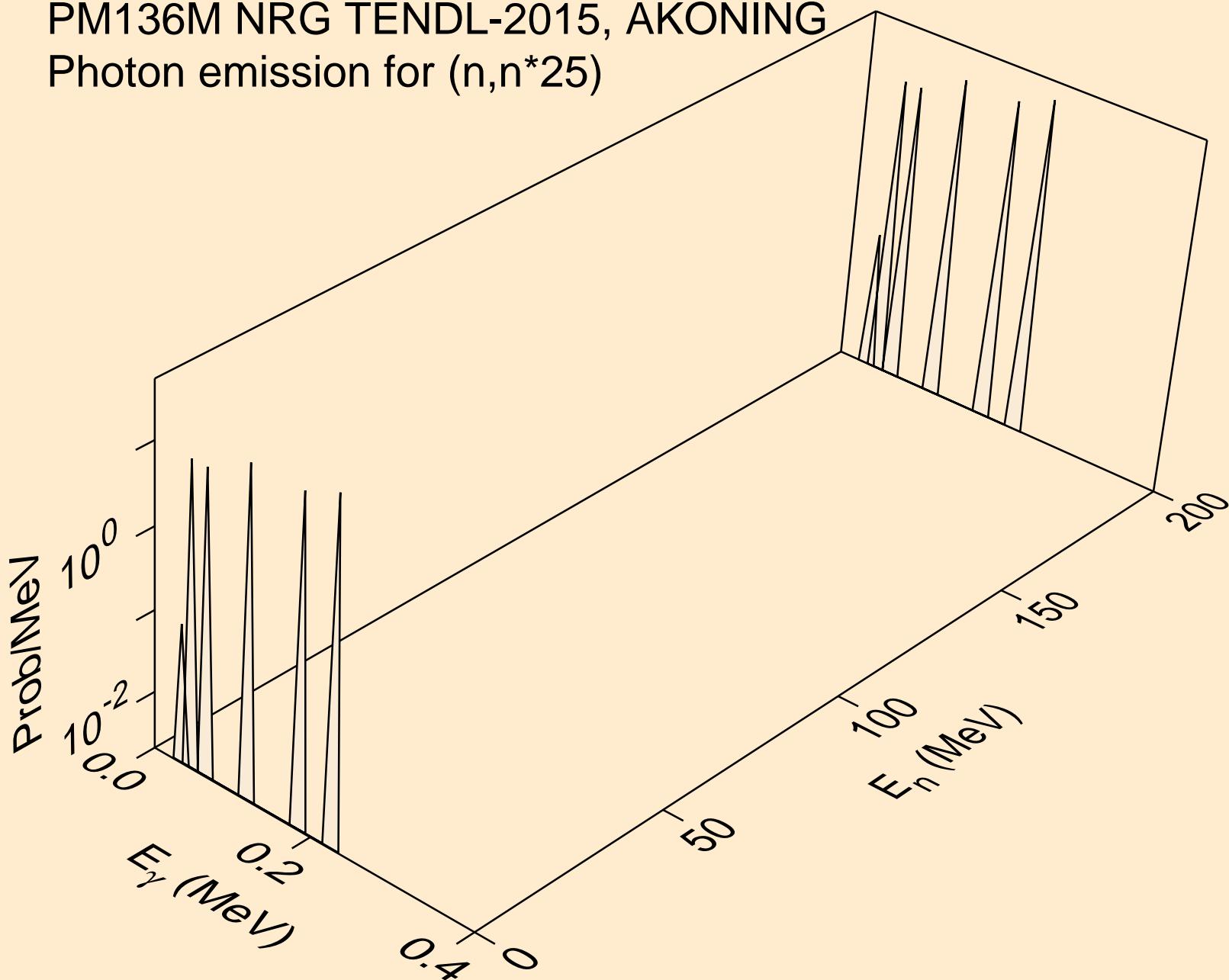
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Photon emission for ( $n, n^* 23$ )



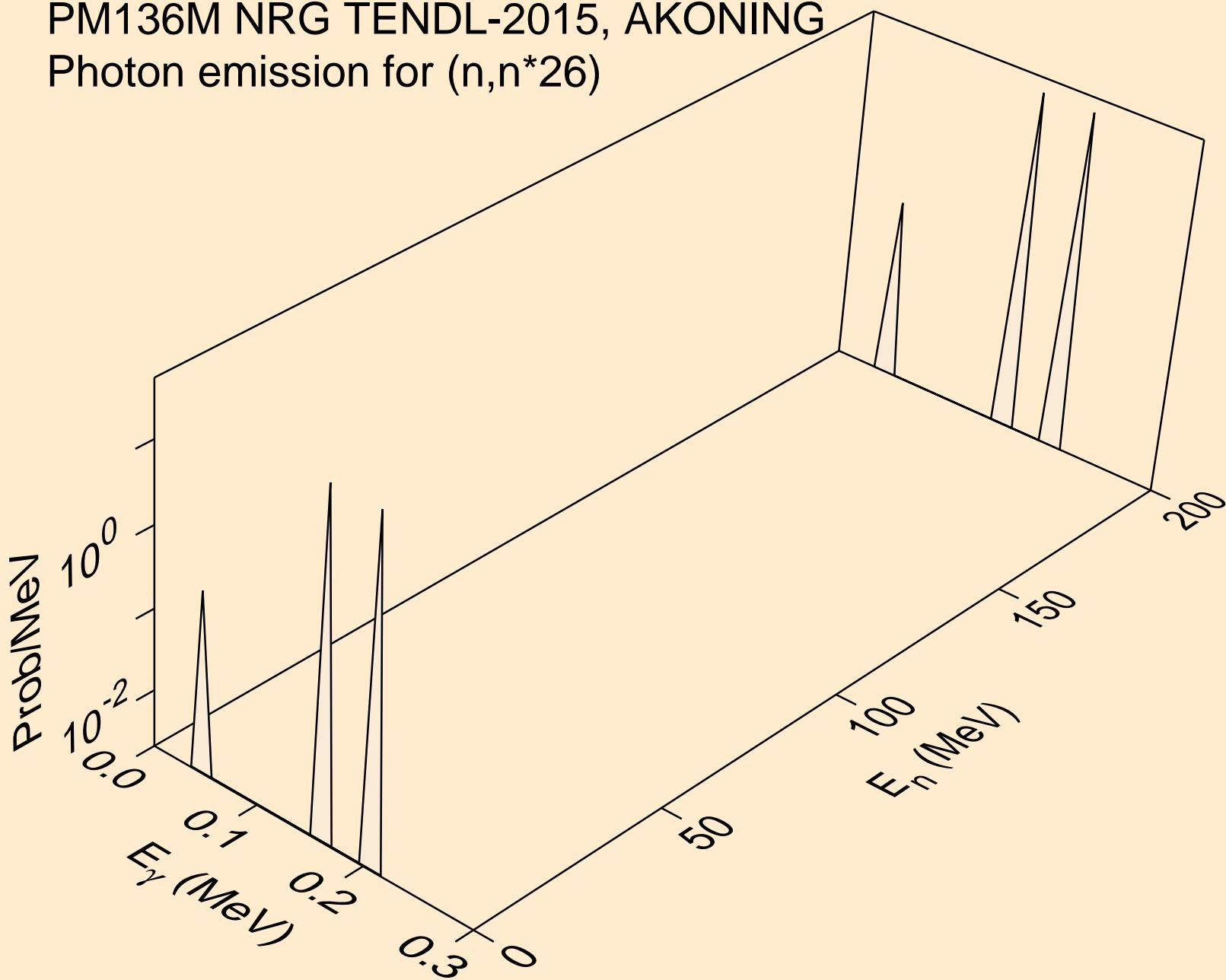
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Photon emission for ( $n, n^* 24$ )



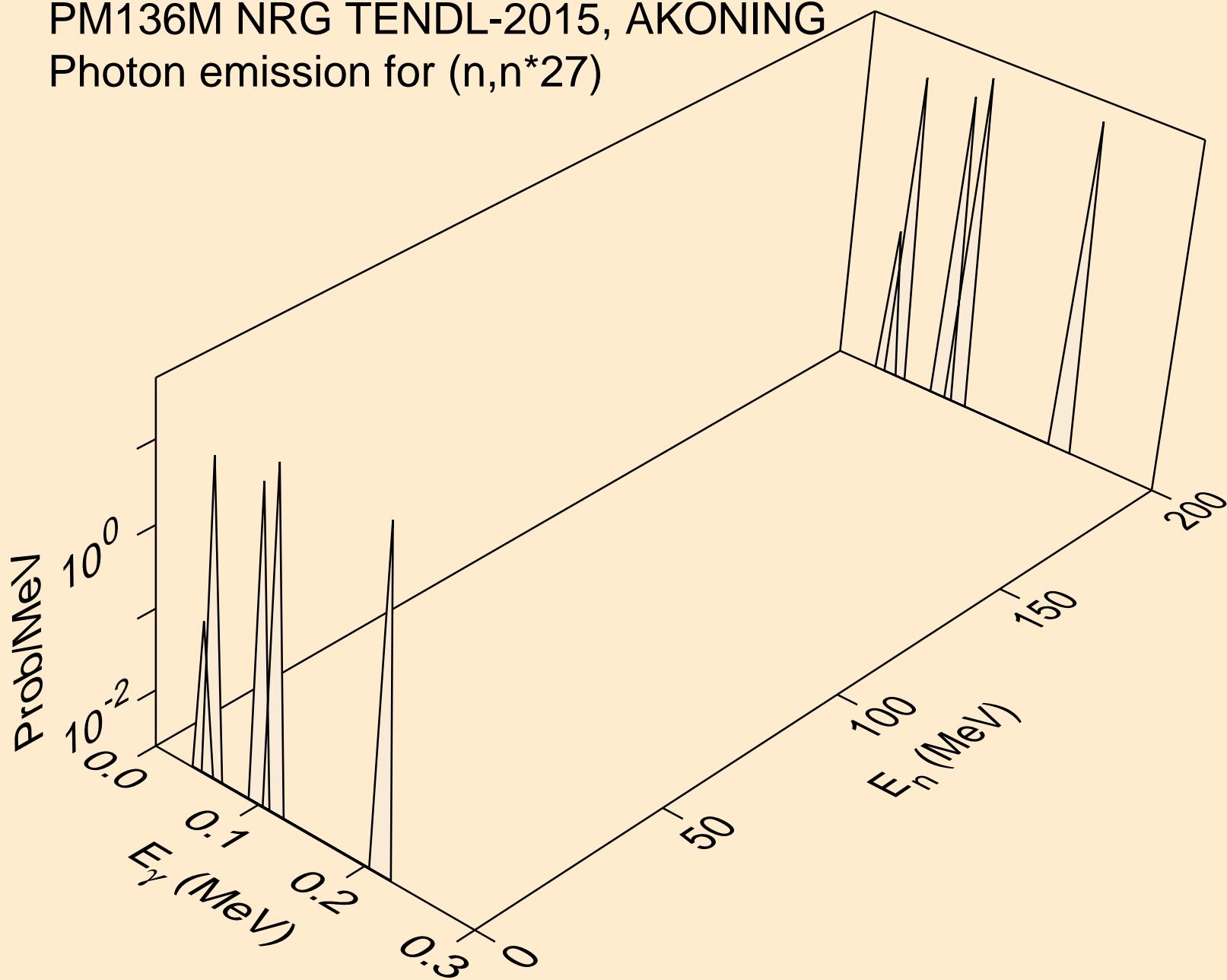
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Photon emission for (n,n\*25)



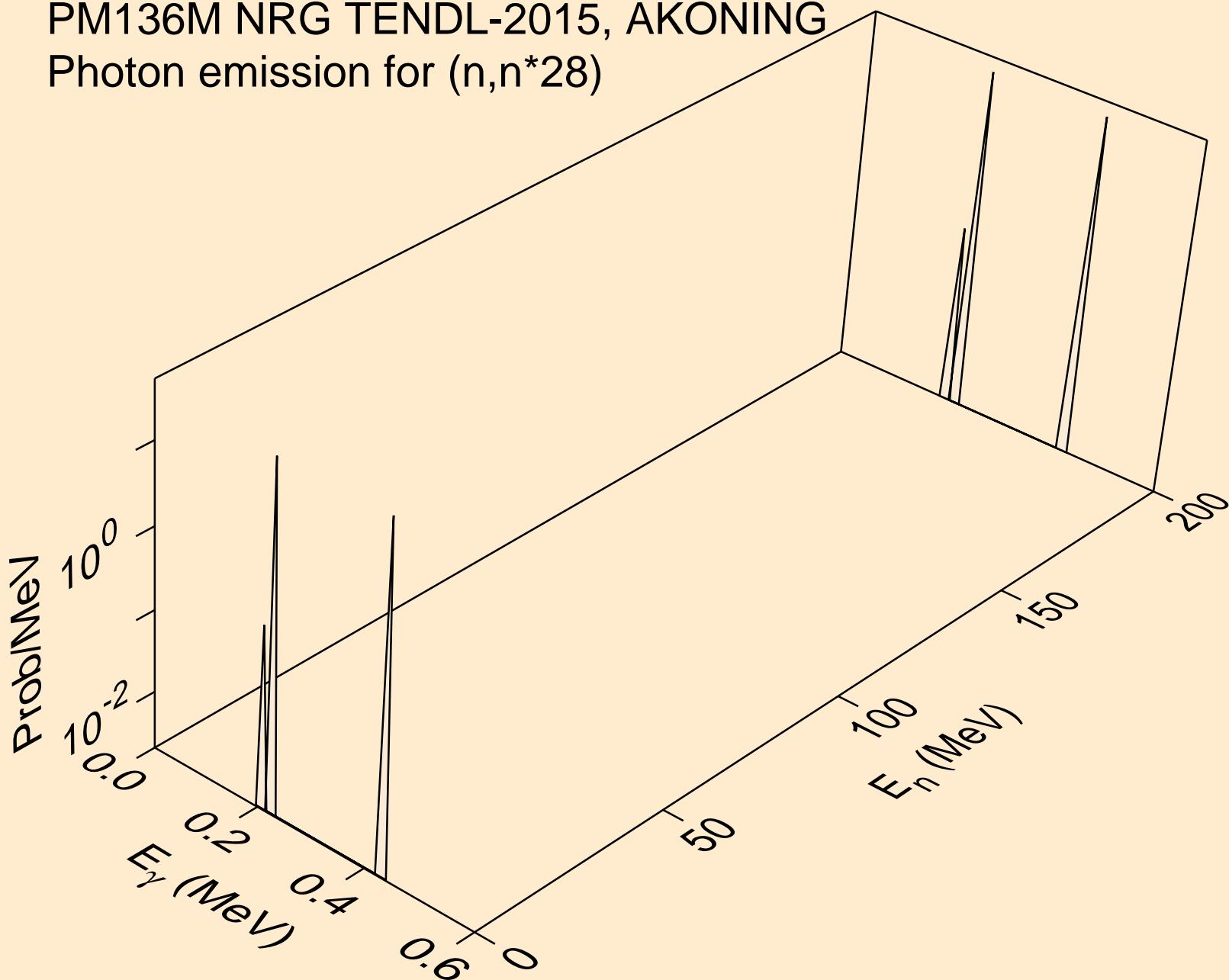
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Photon emission for (n,n\*26)



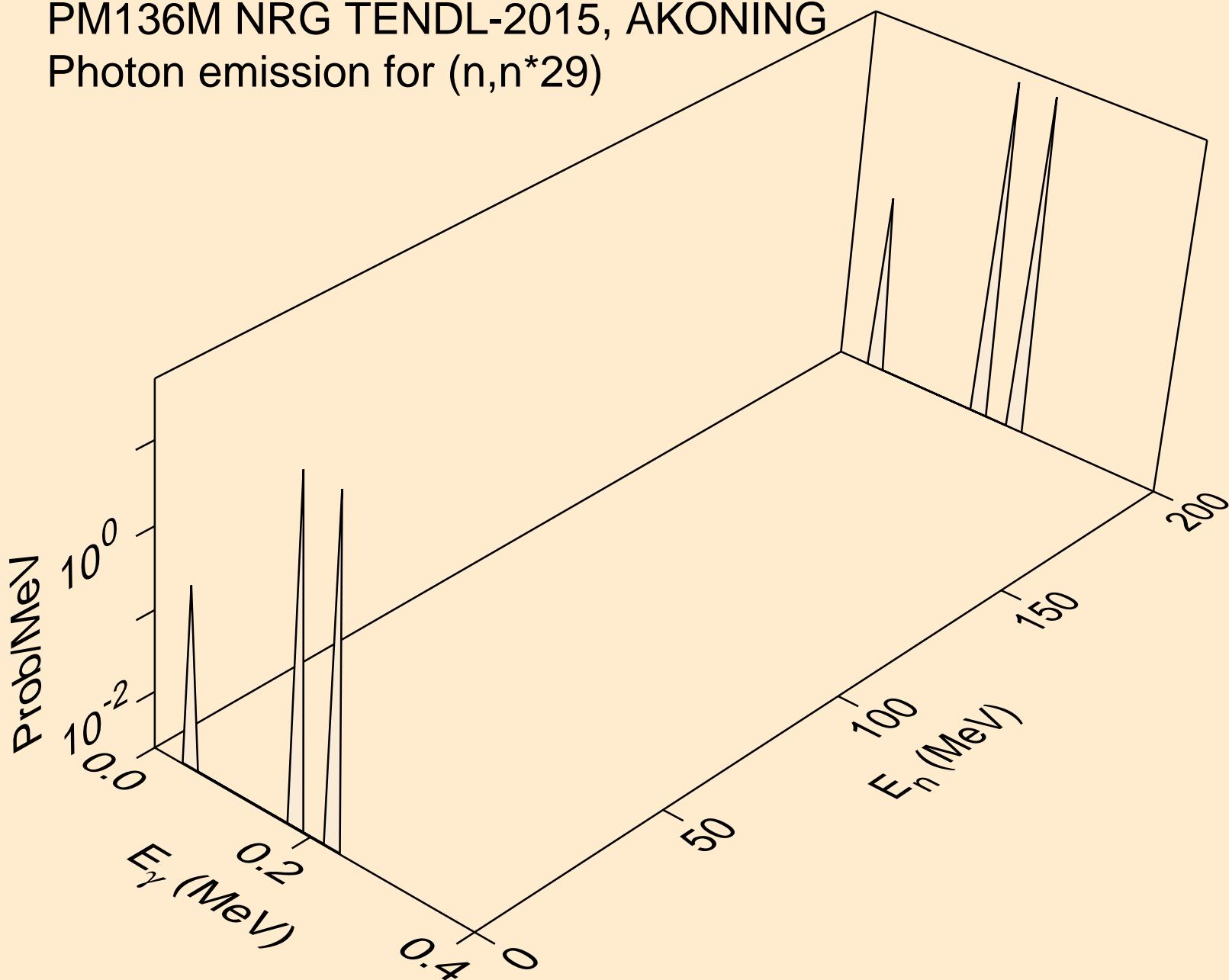
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Photon emission for (n,n\*27)



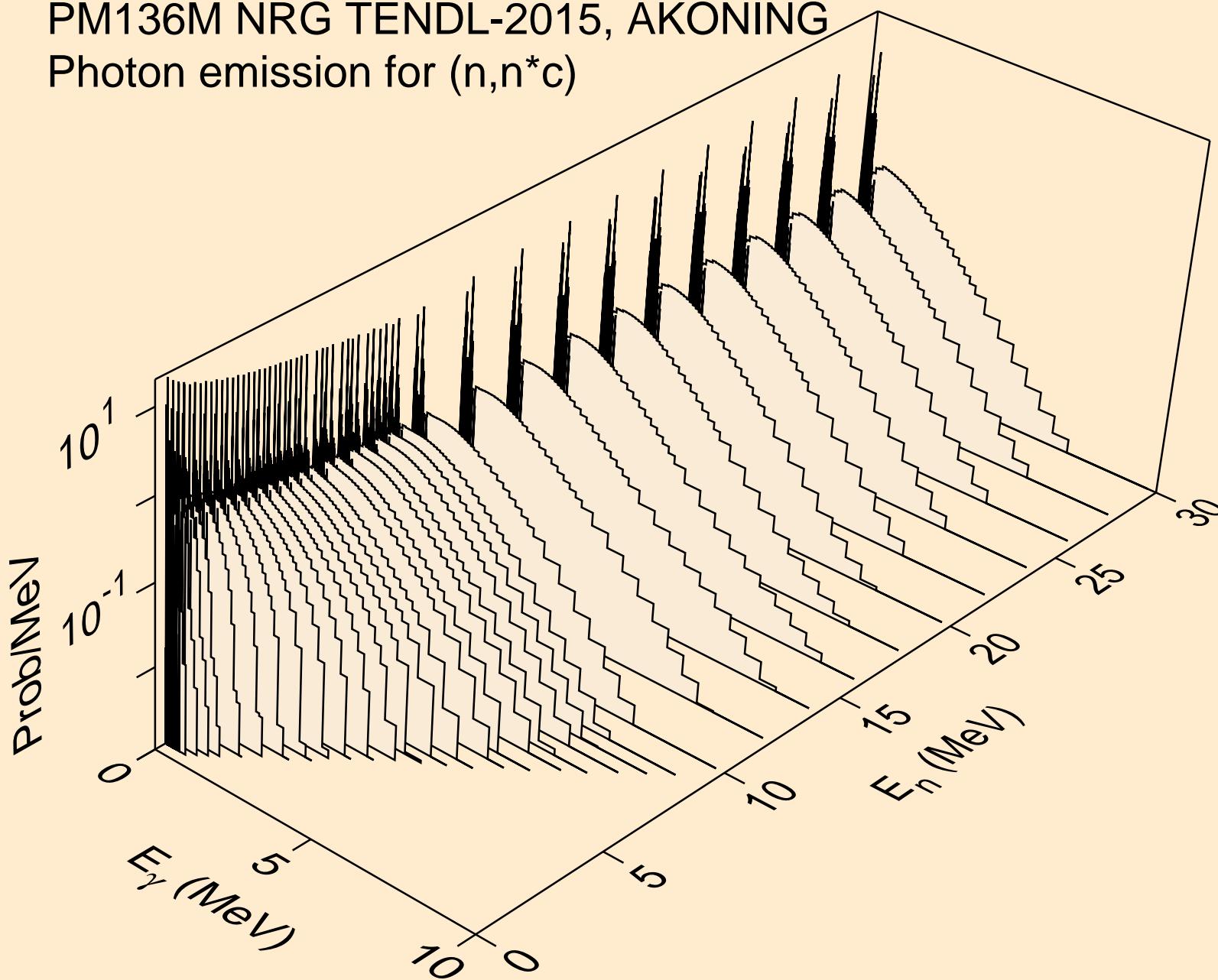
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Photon emission for (n,n\*28)



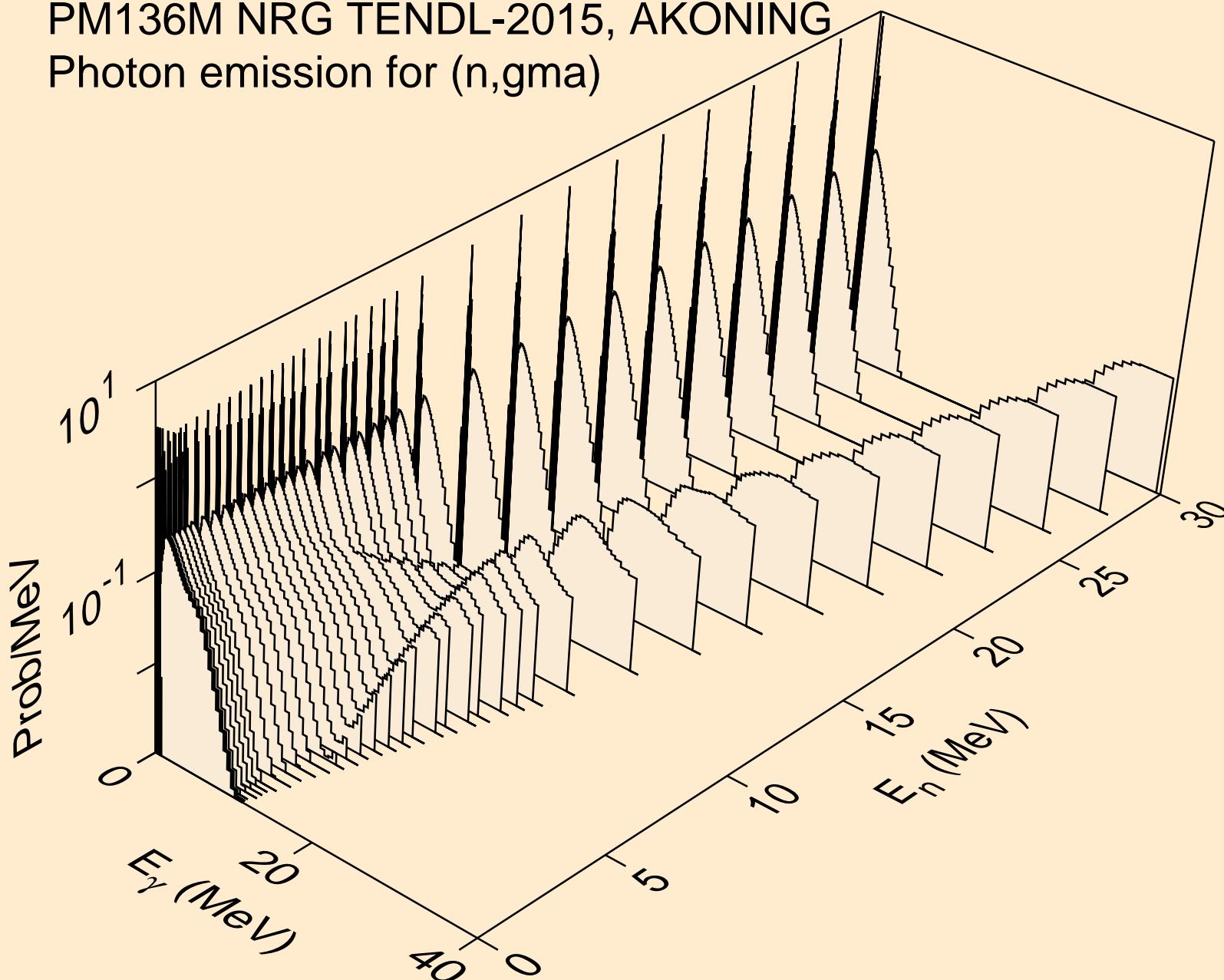
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Photon emission for (n,n\*29)



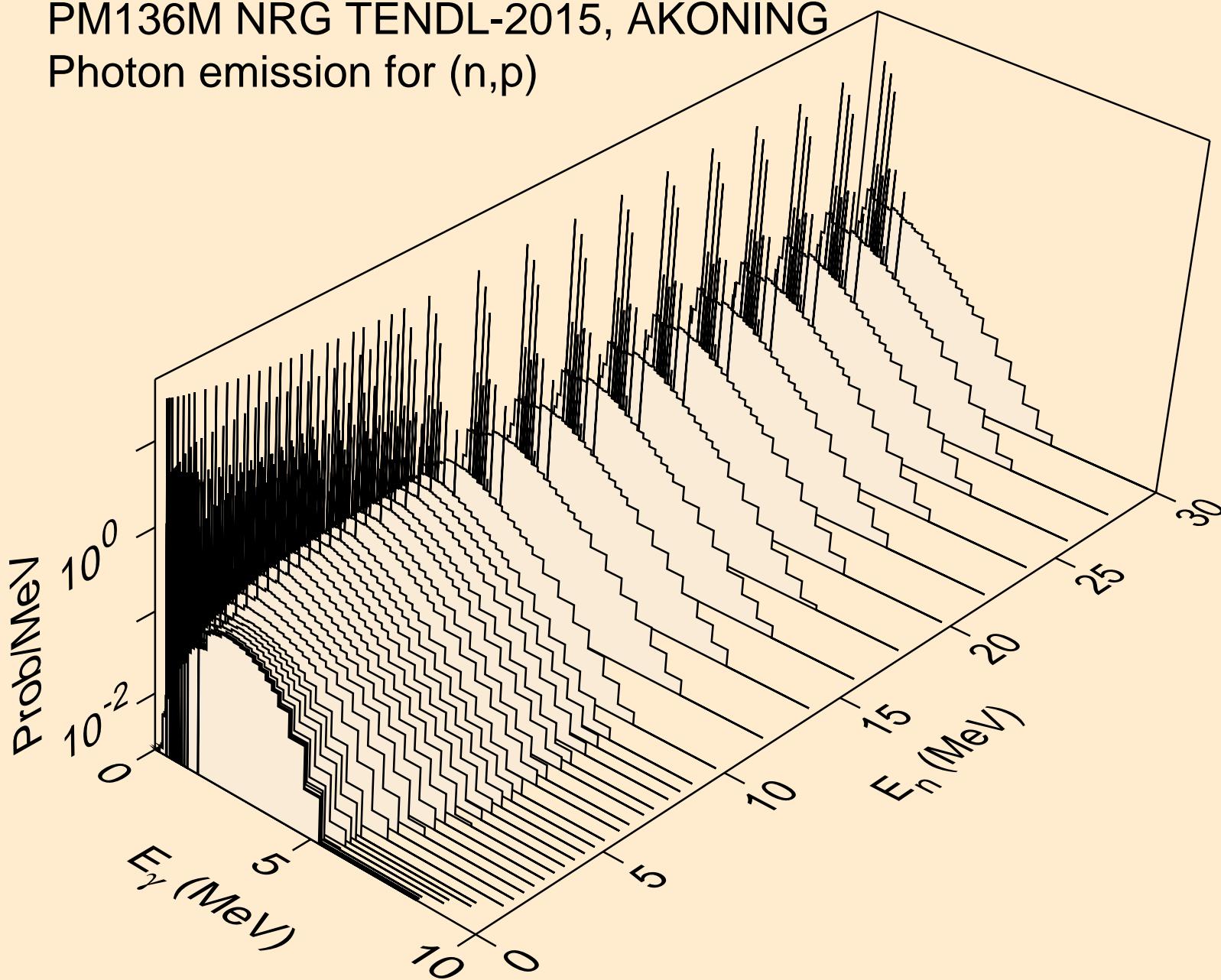
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Photon emission for  $(n,n^*c)$



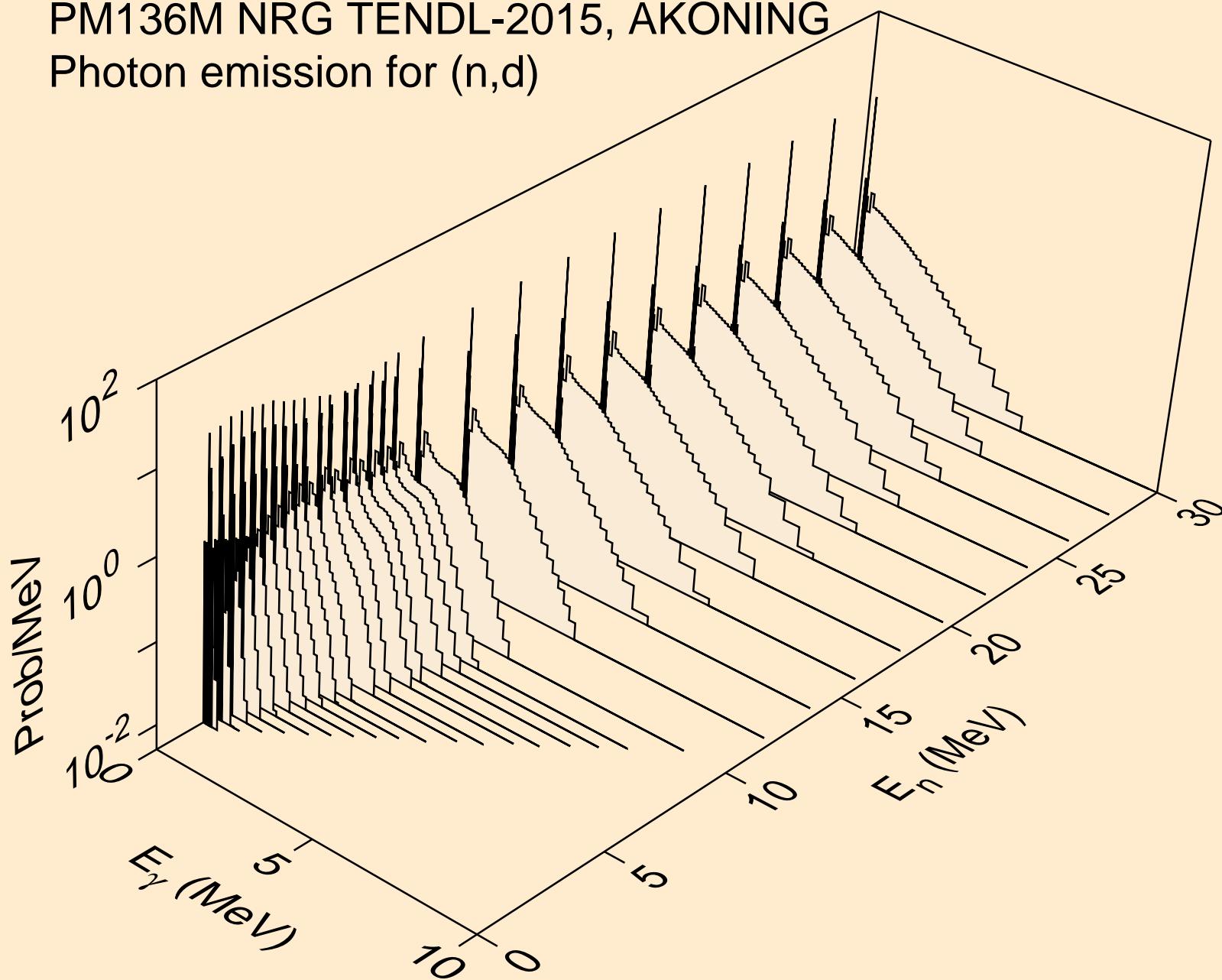
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Photon emission for (n,gma)



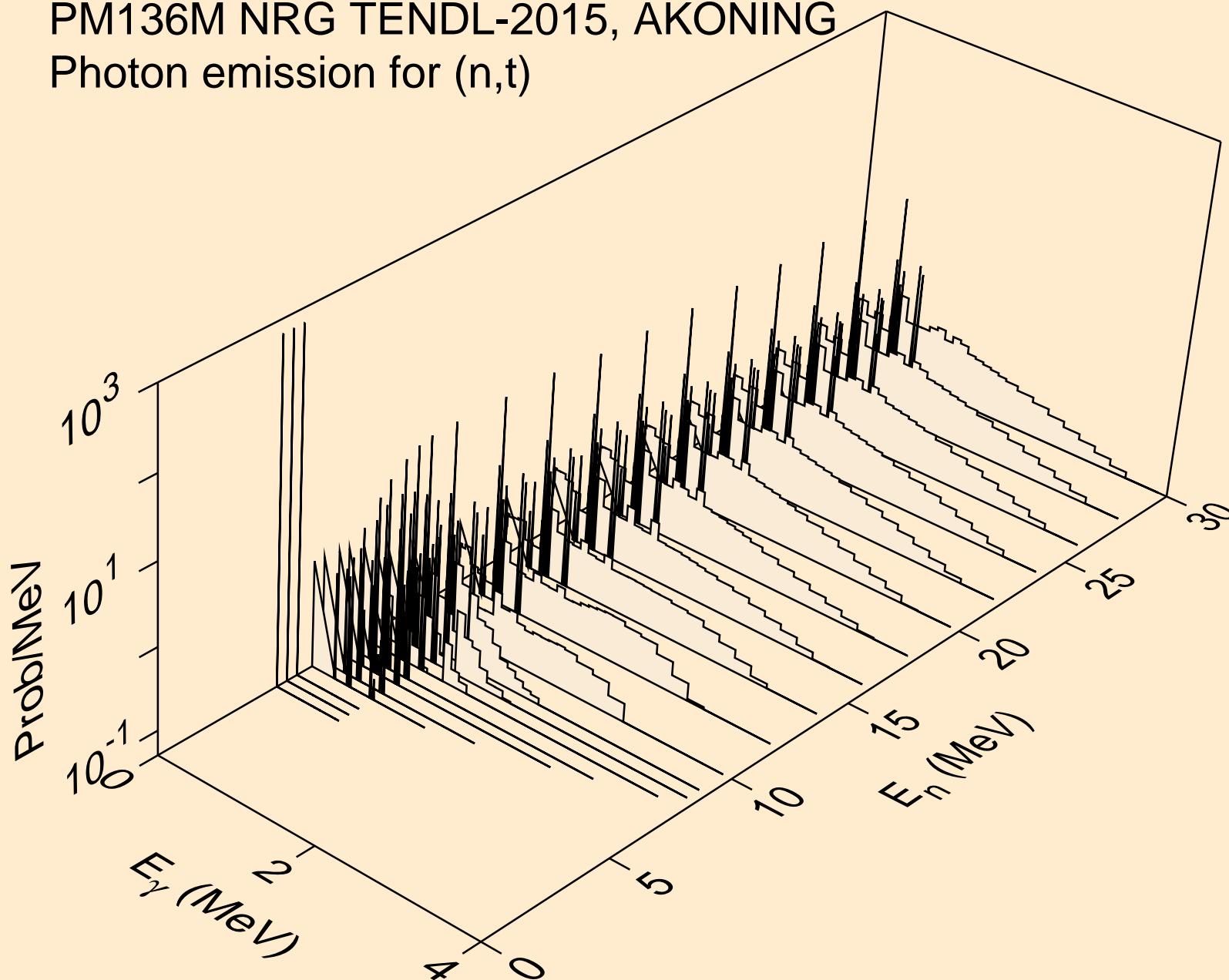
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Photon emission for (n,p)



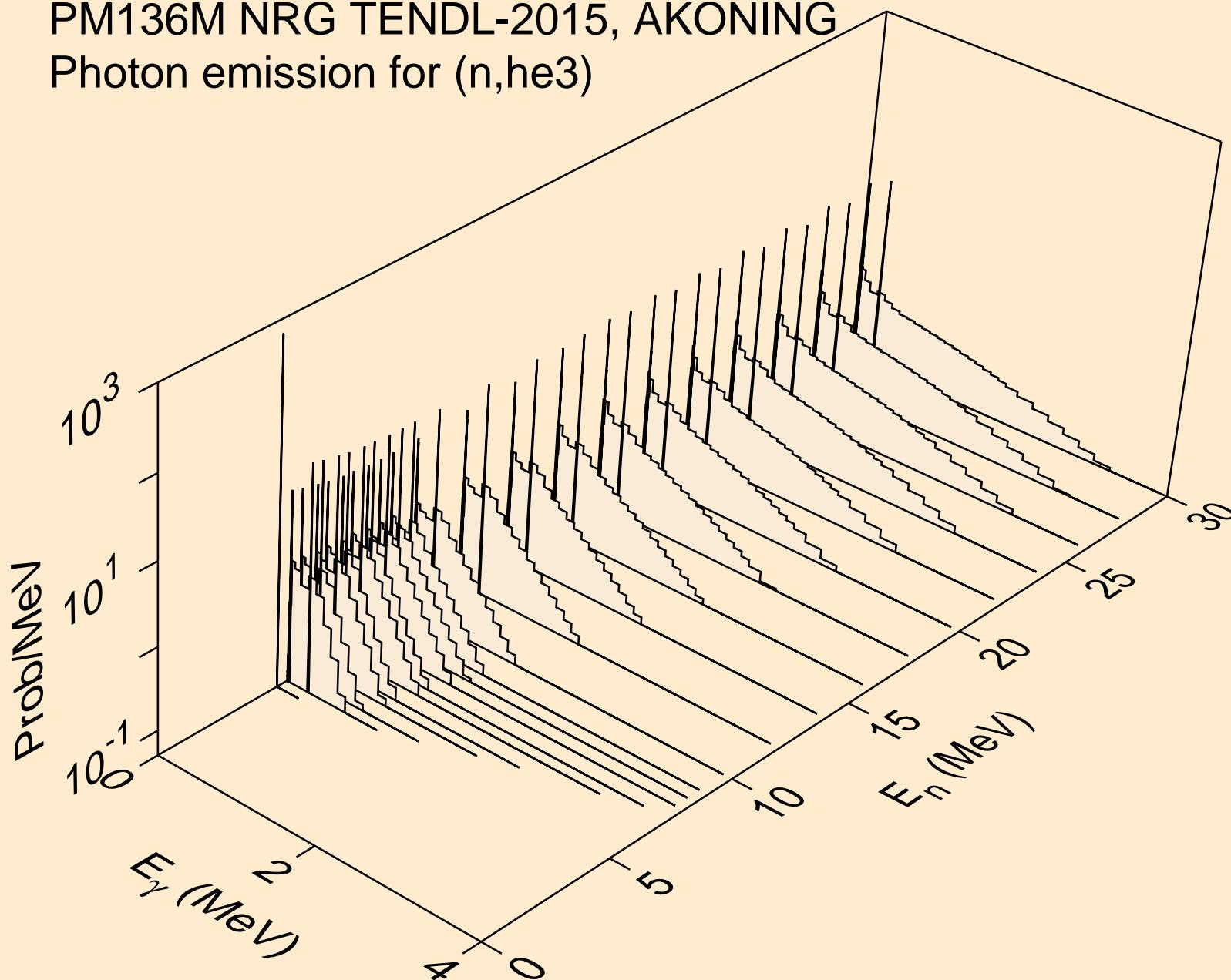
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Photon emission for (n,d)



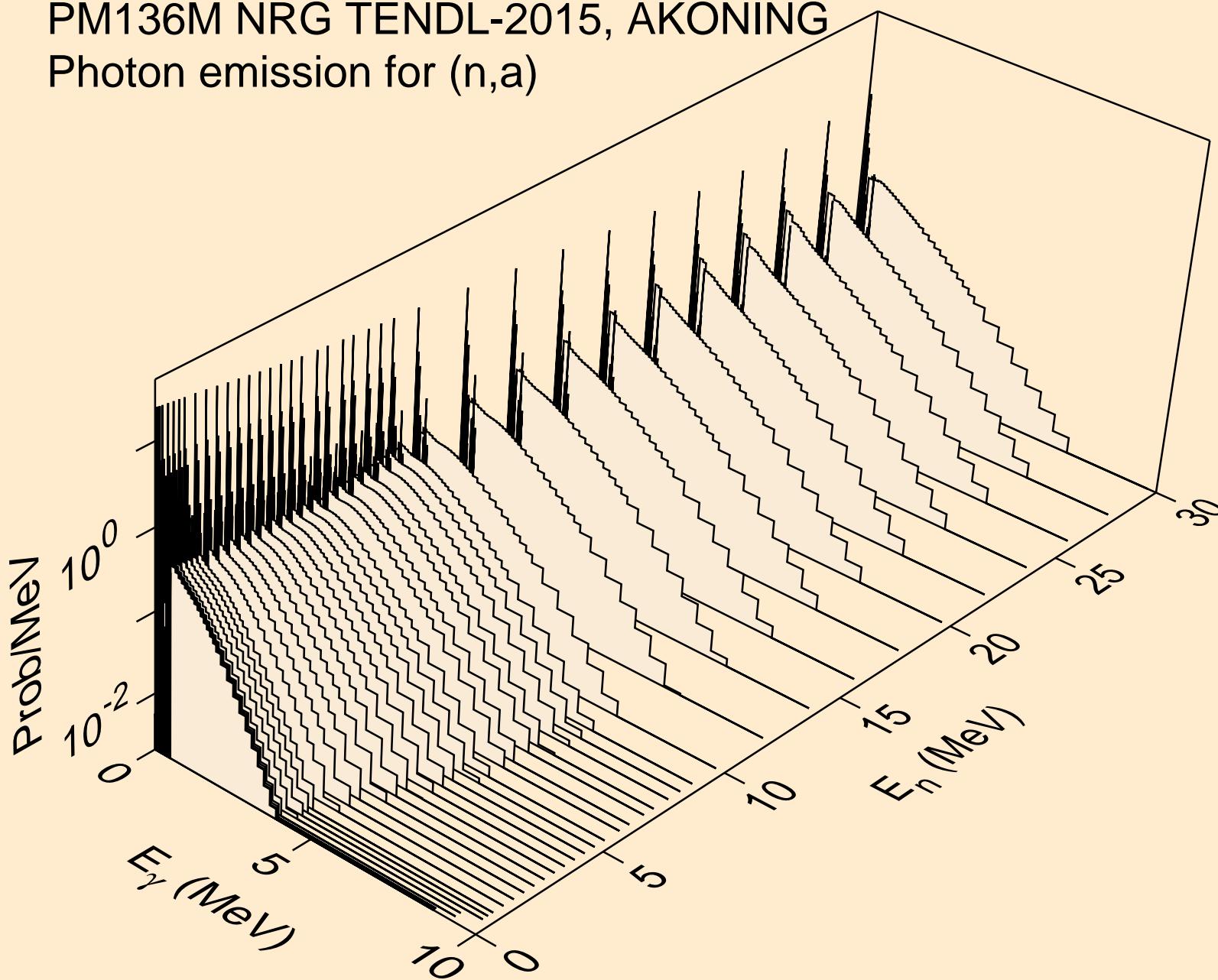
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Photon emission for (n,t)



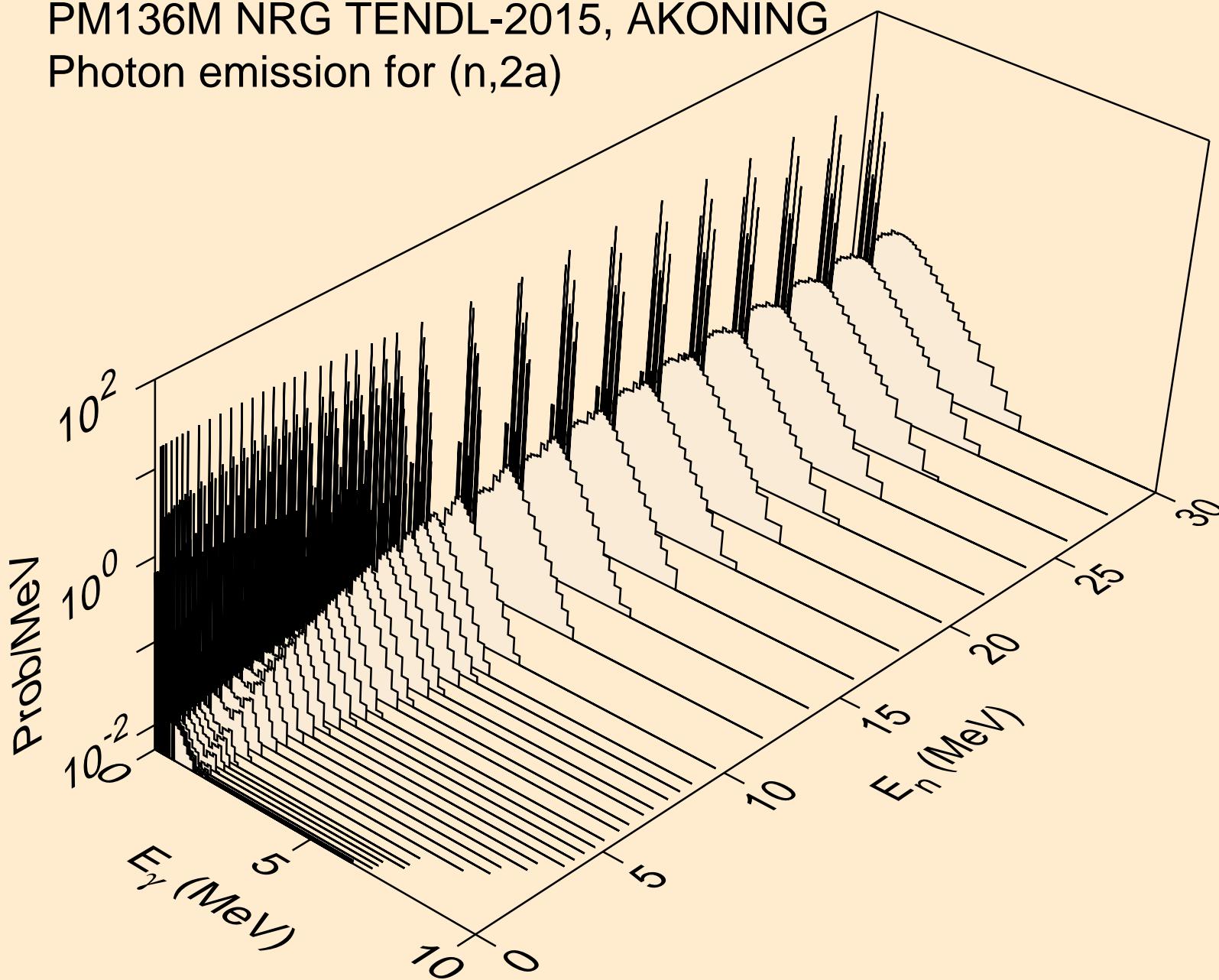
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Photon emission for (n,he3)



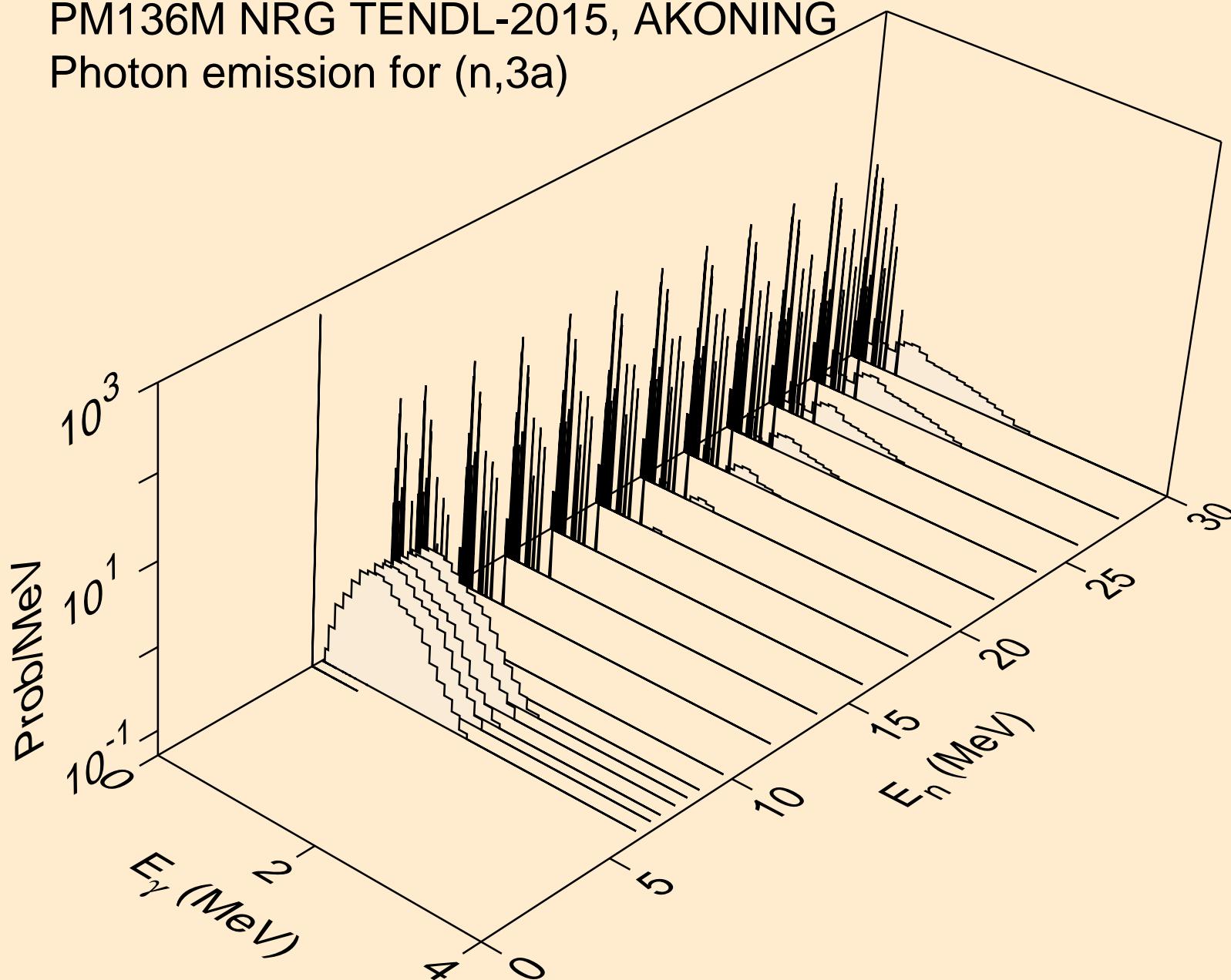
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Photon emission for (n,a)



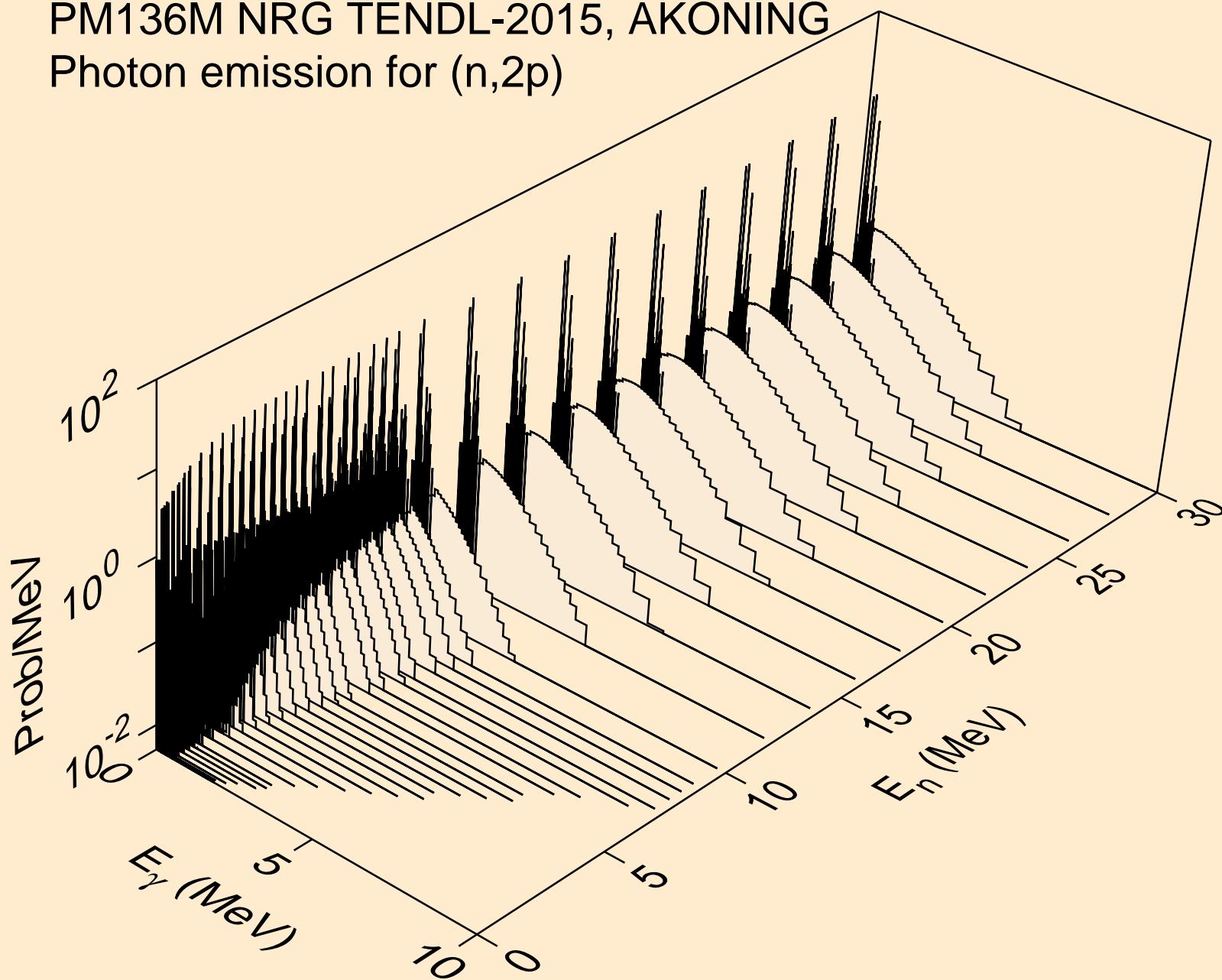
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Photon emission for (n,2a)



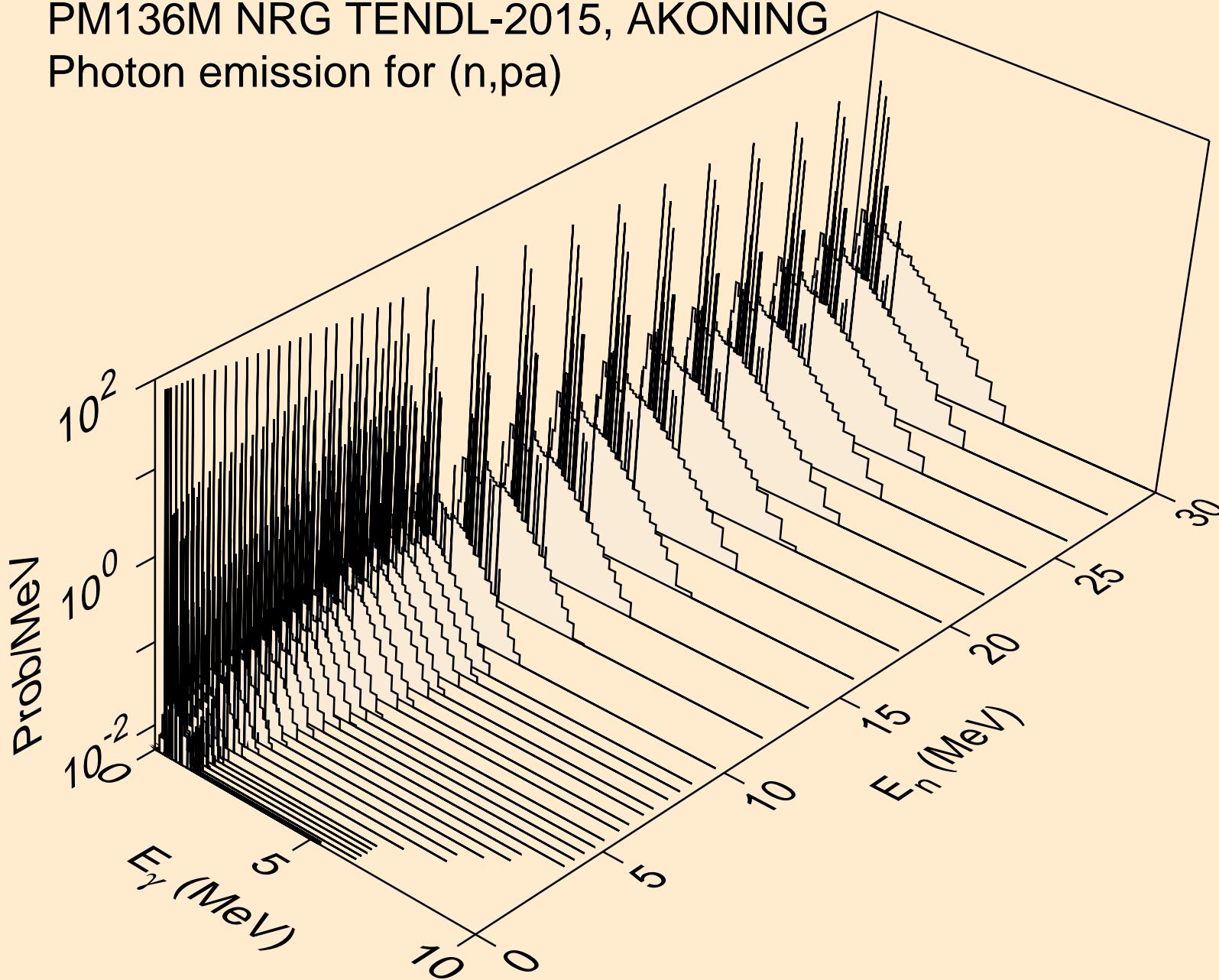
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Photon emission for (n,3a)



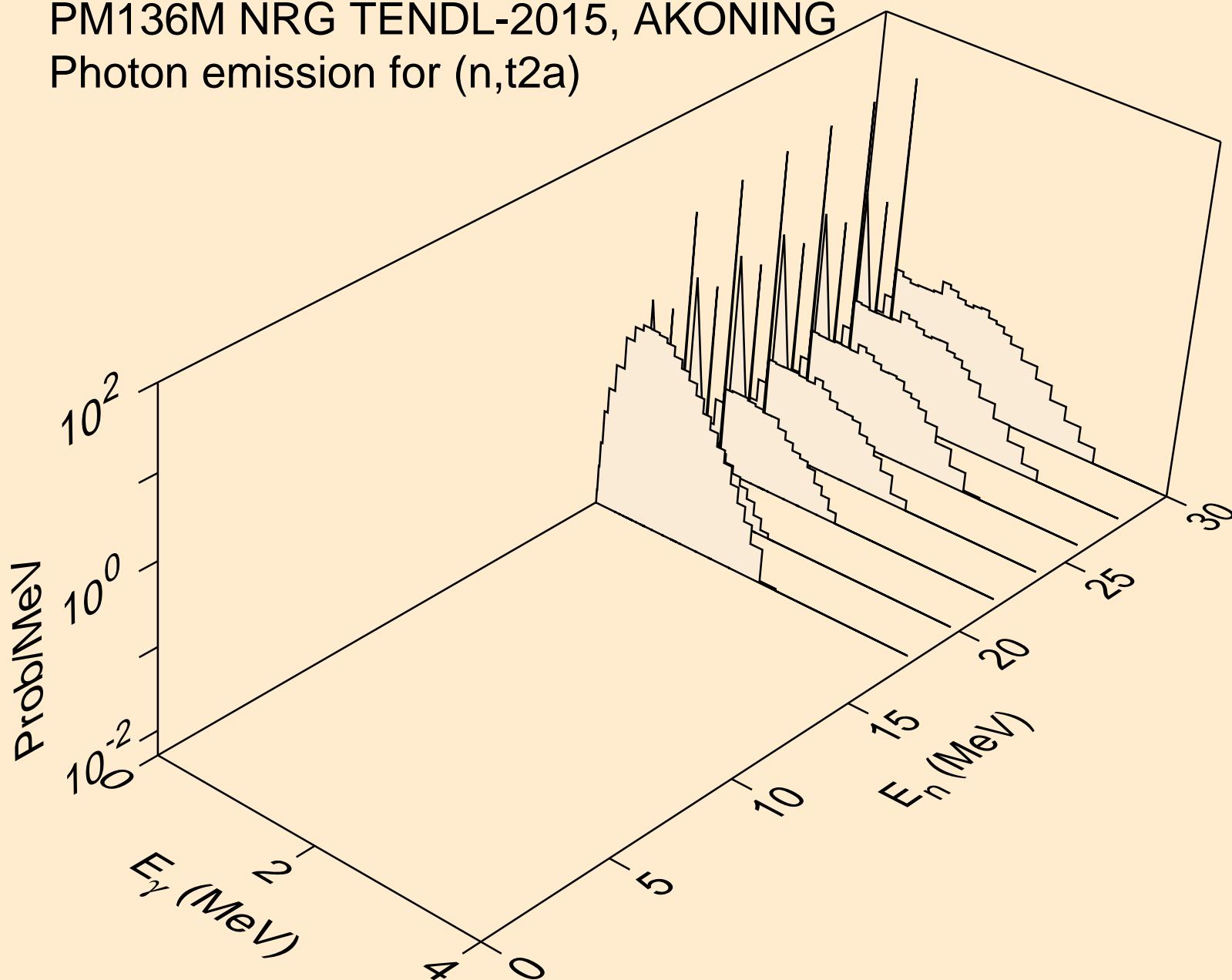
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Photon emission for (n,2p)



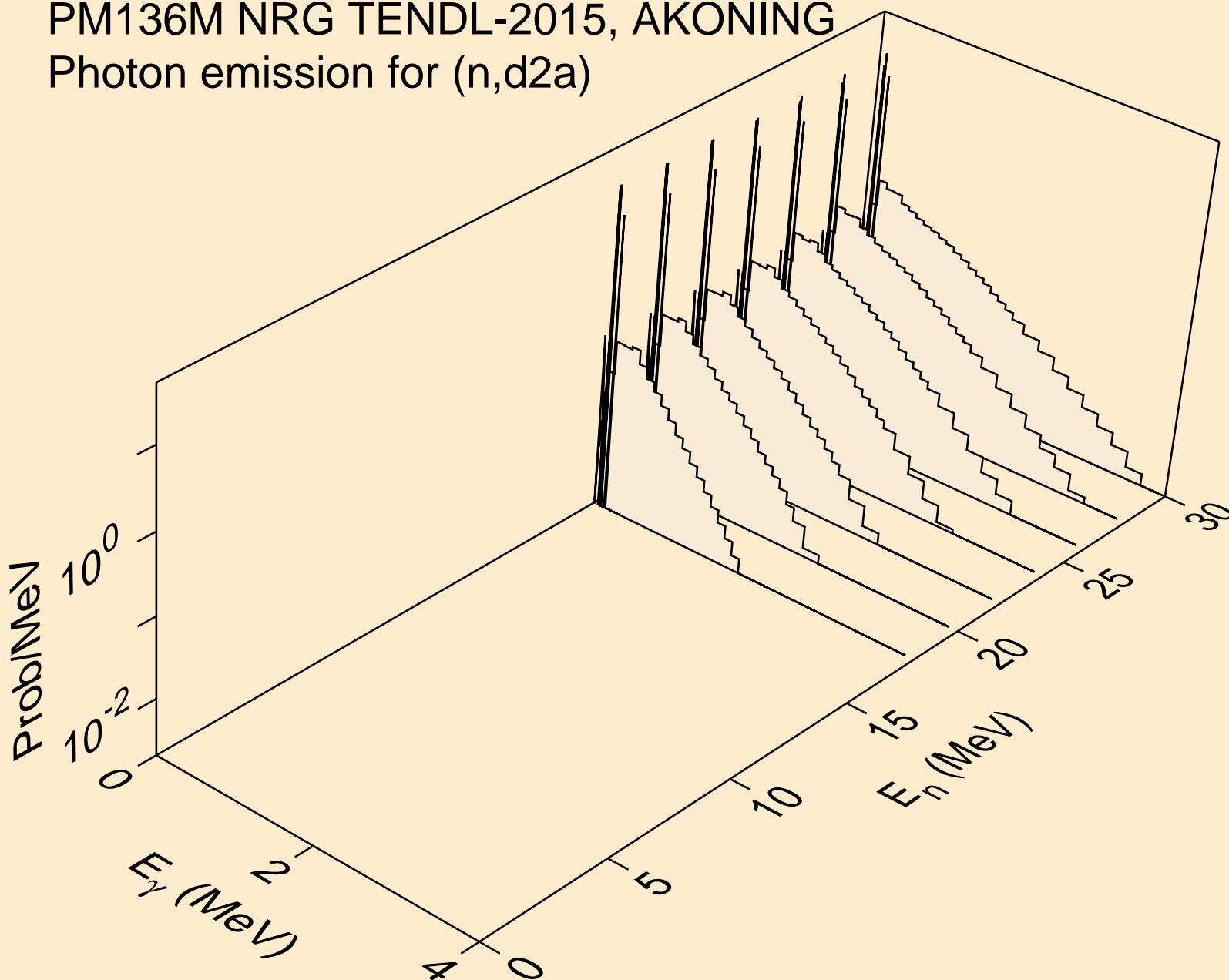
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Photon emission for (n,pa)



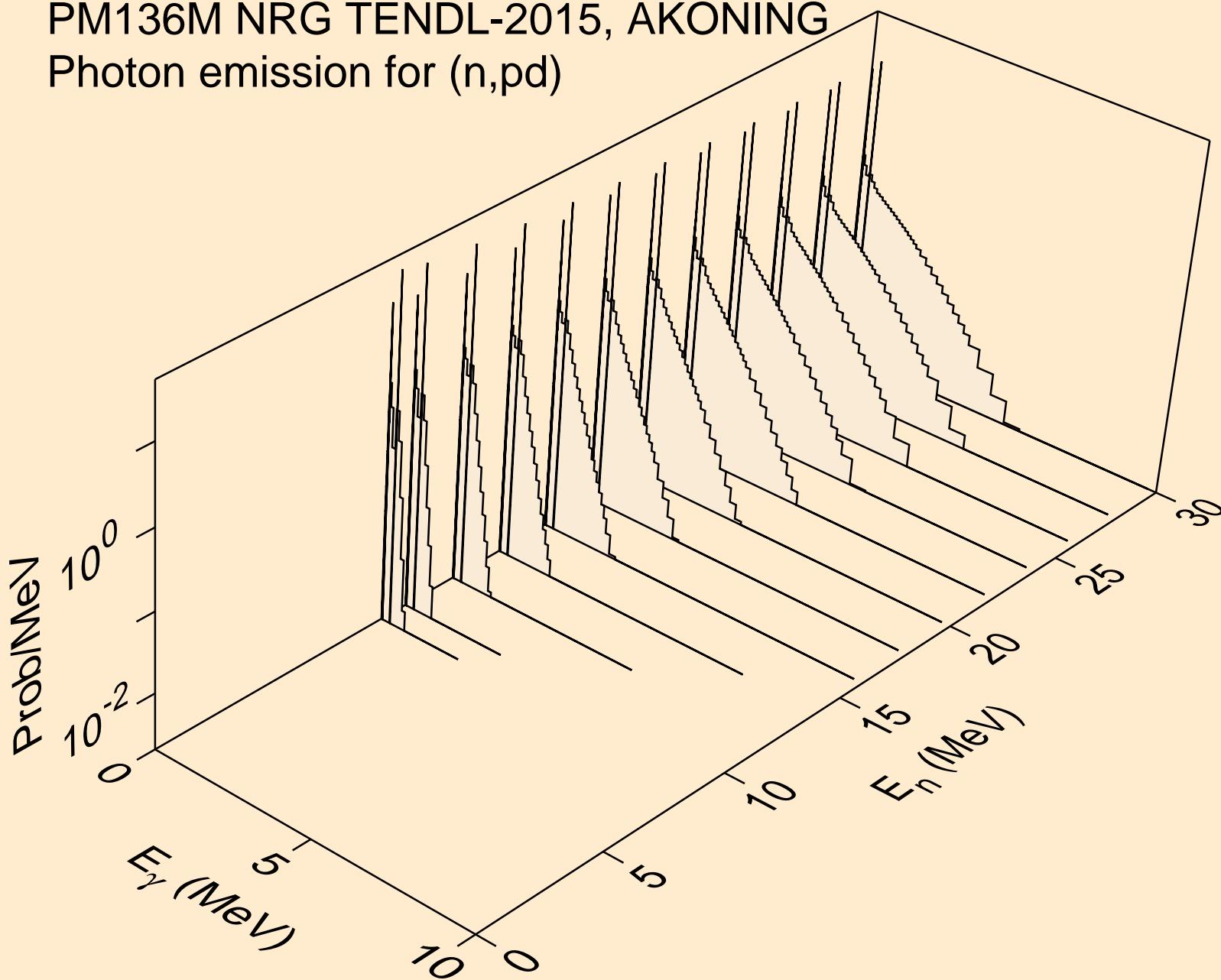
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Photon emission for (n,t2a)



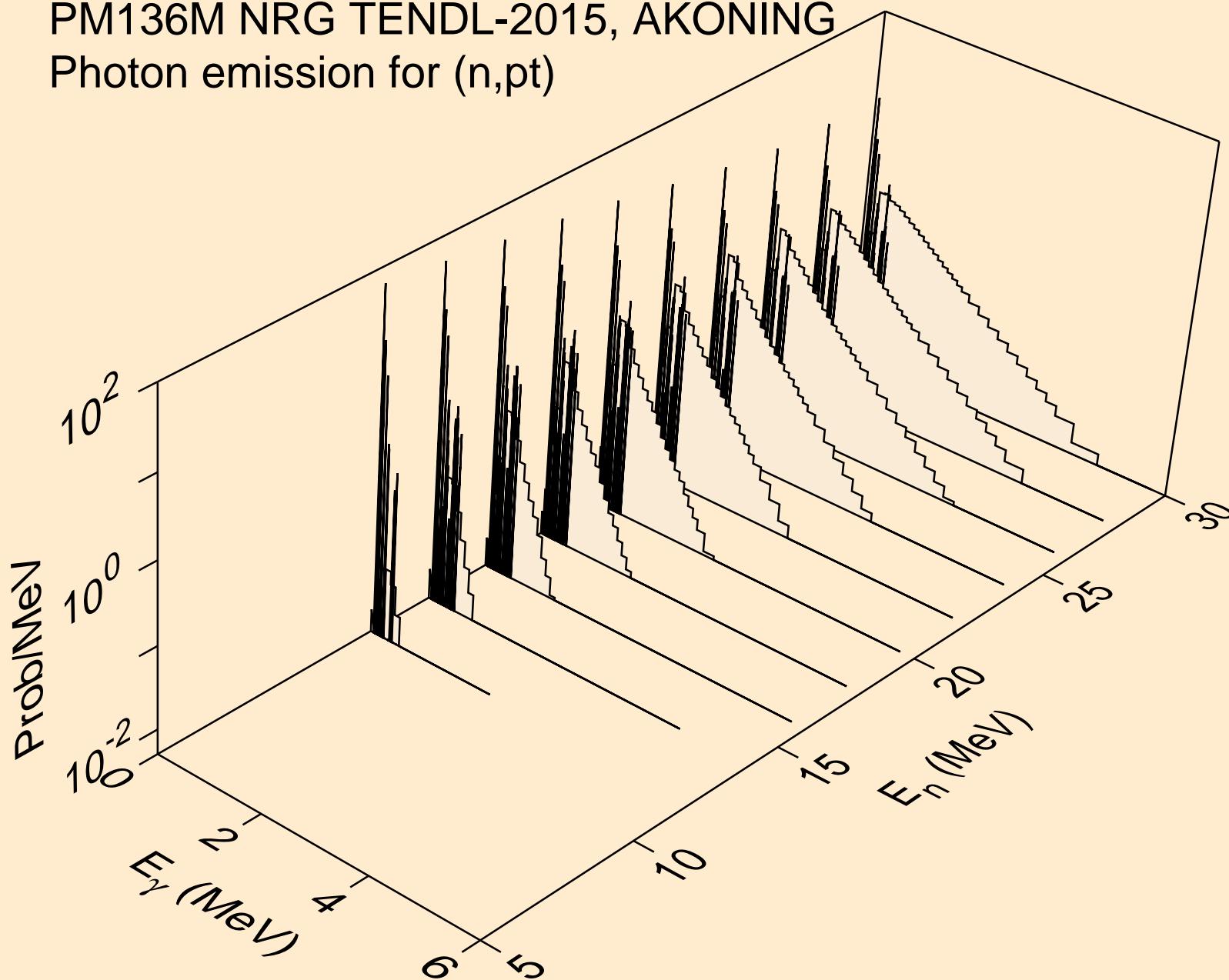
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Photon emission for (n,d2a)



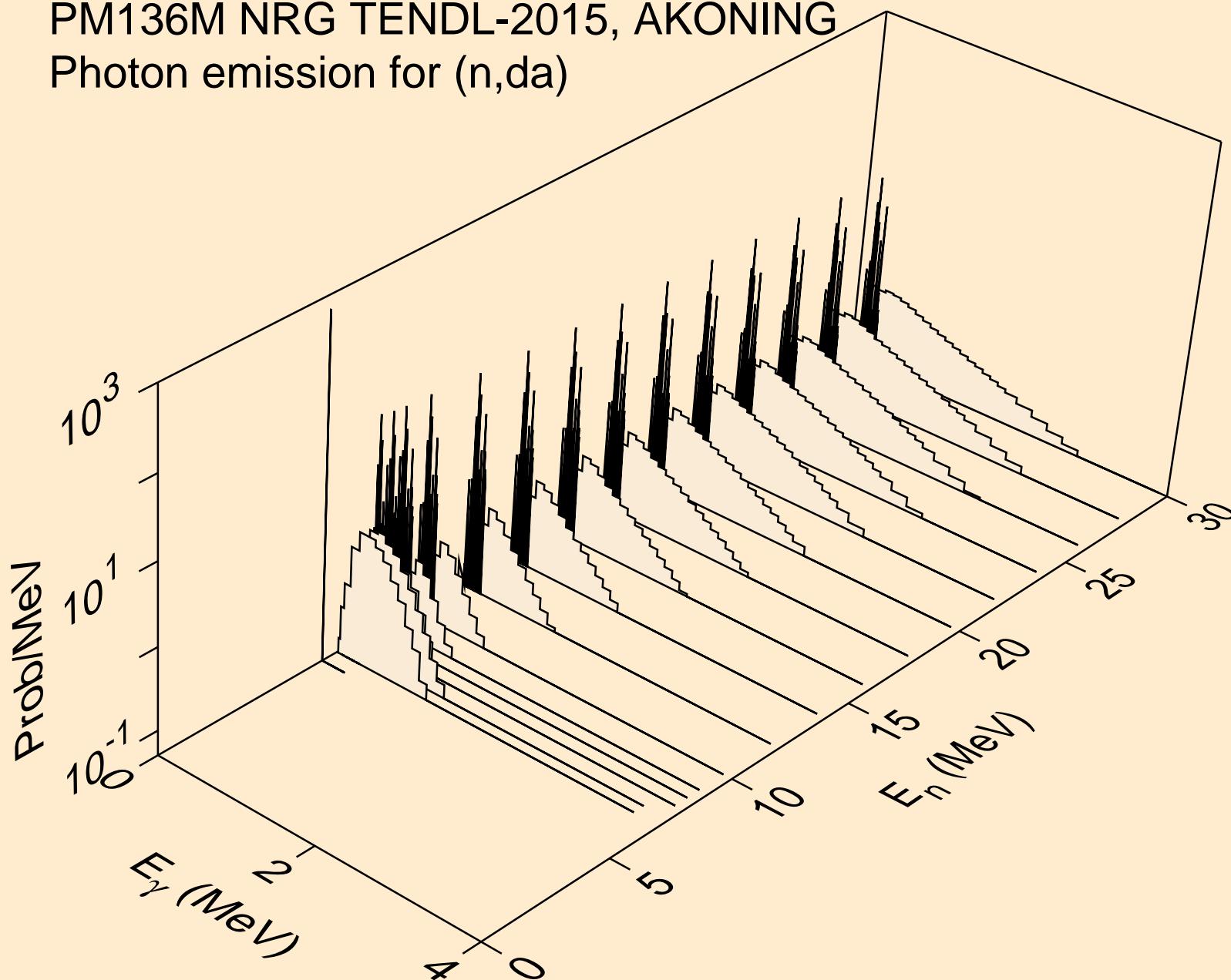
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Photon emission for (n,pd)



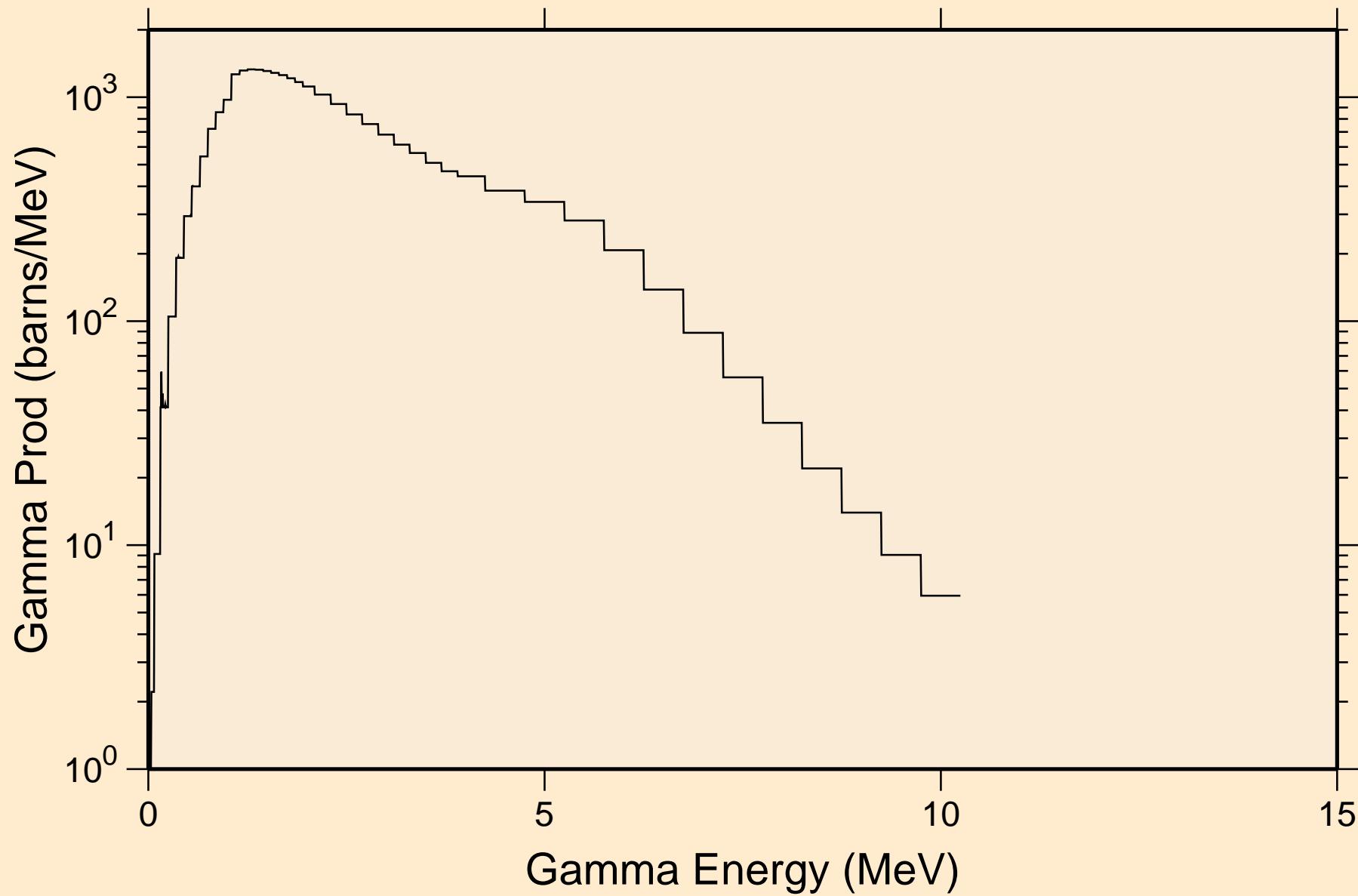
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Photon emission for (n,pt)



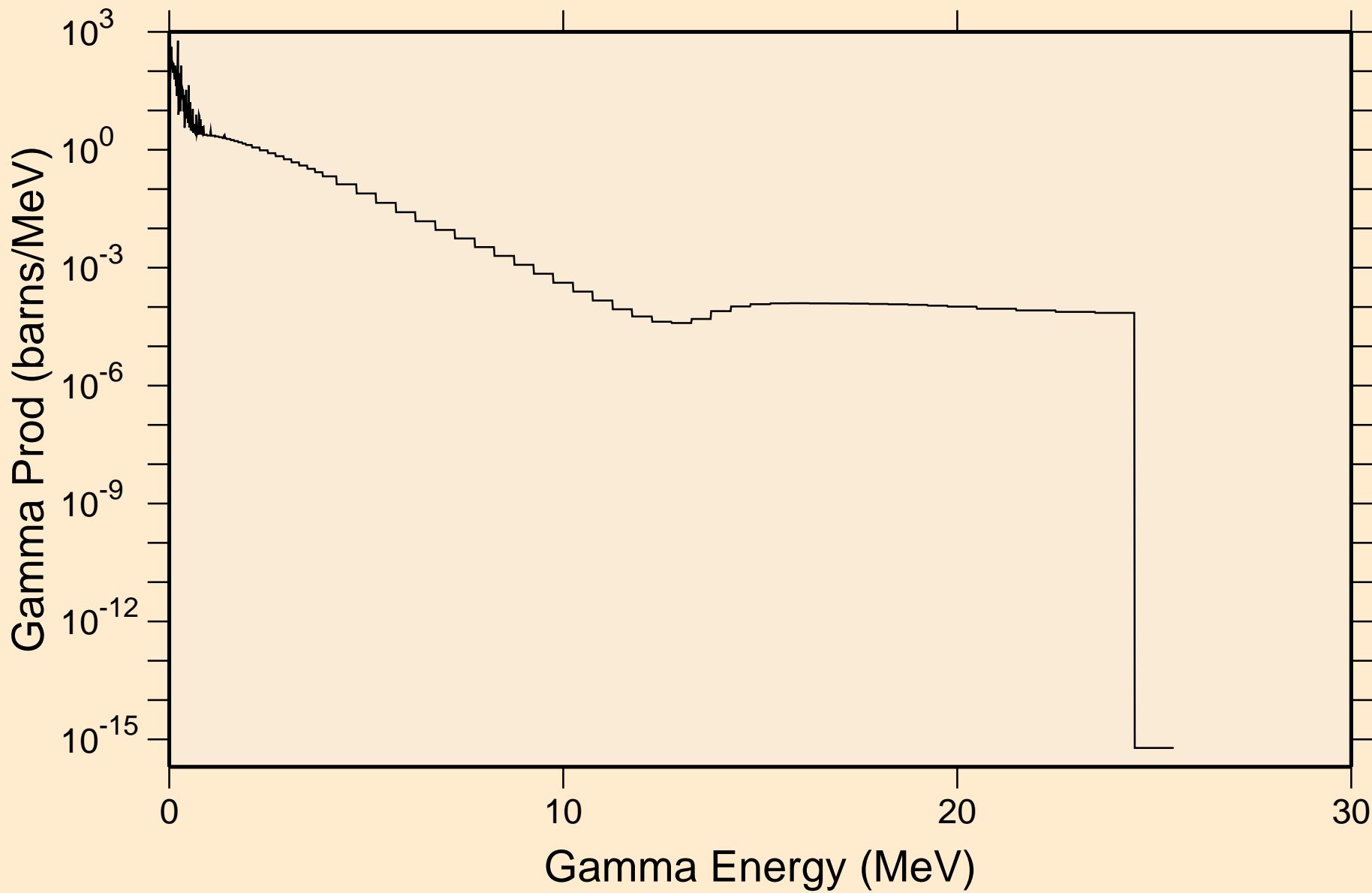
PM136M NRG TENDL-2015, AKONING  
Photon emission for (n,da)



PM136M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

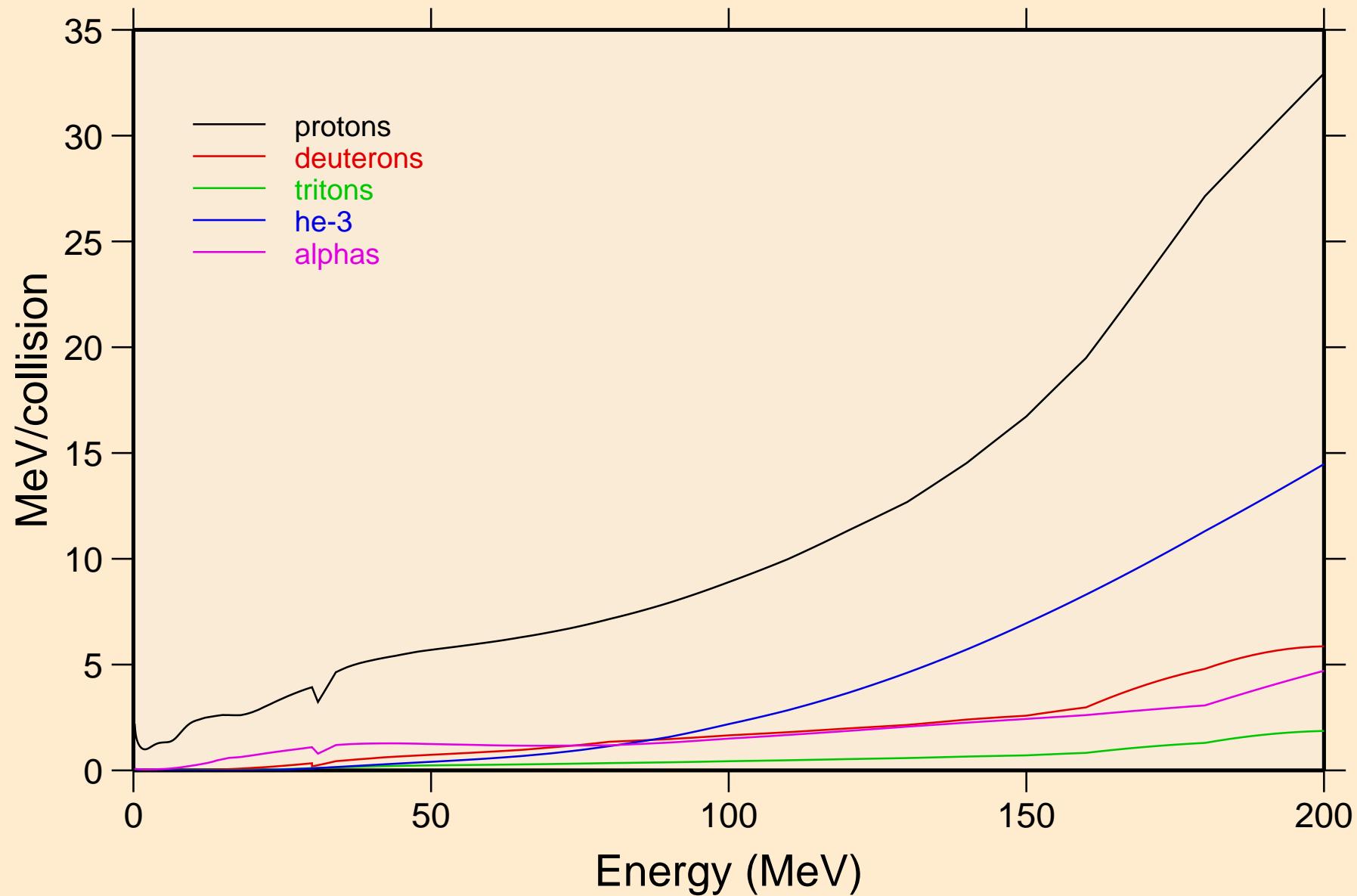


PM136M NRG TENDL-2015, AKONING  
14 MeV photon spectrum

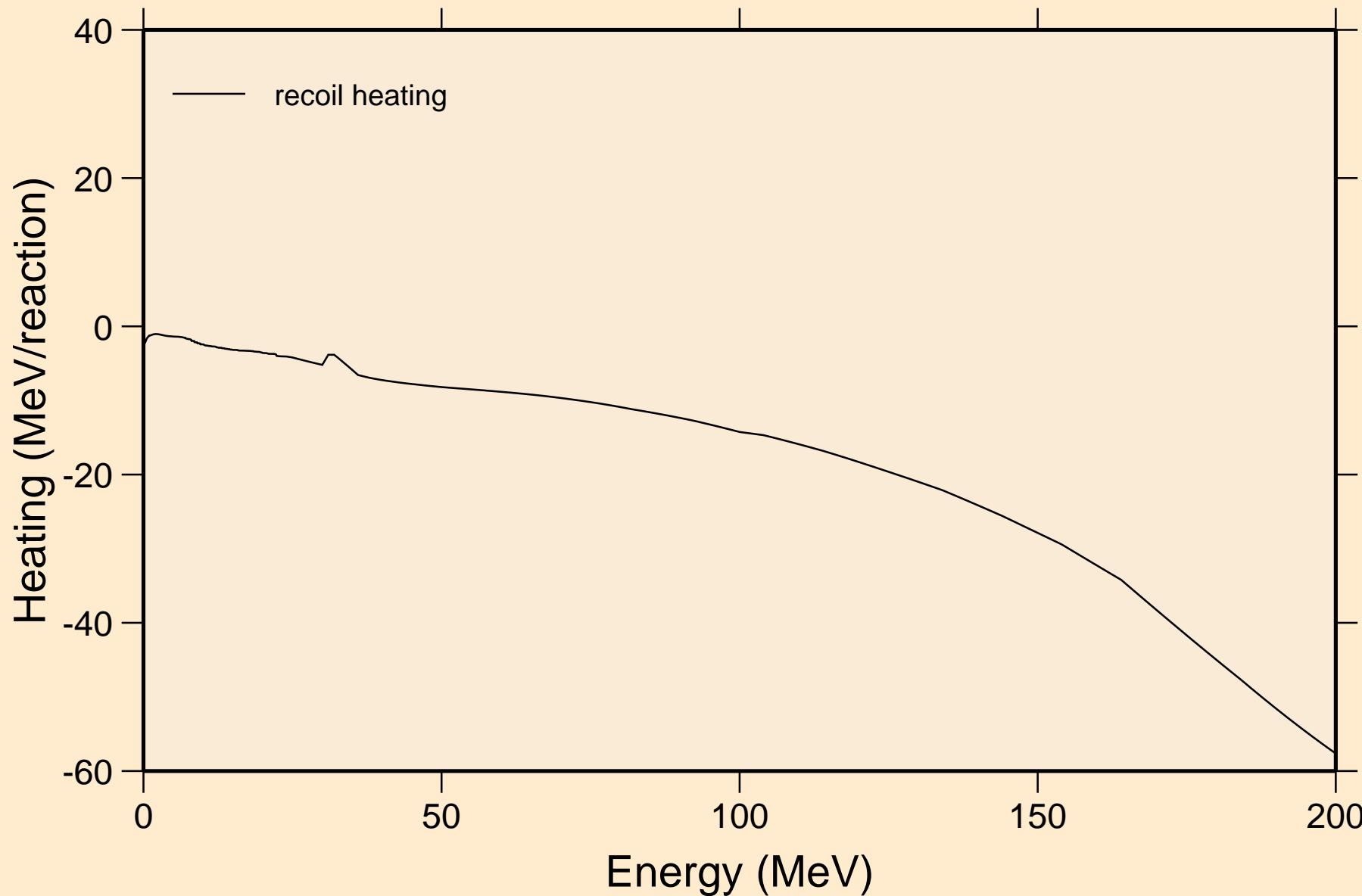


# PM136M NRG TENDL-2015, AKONING

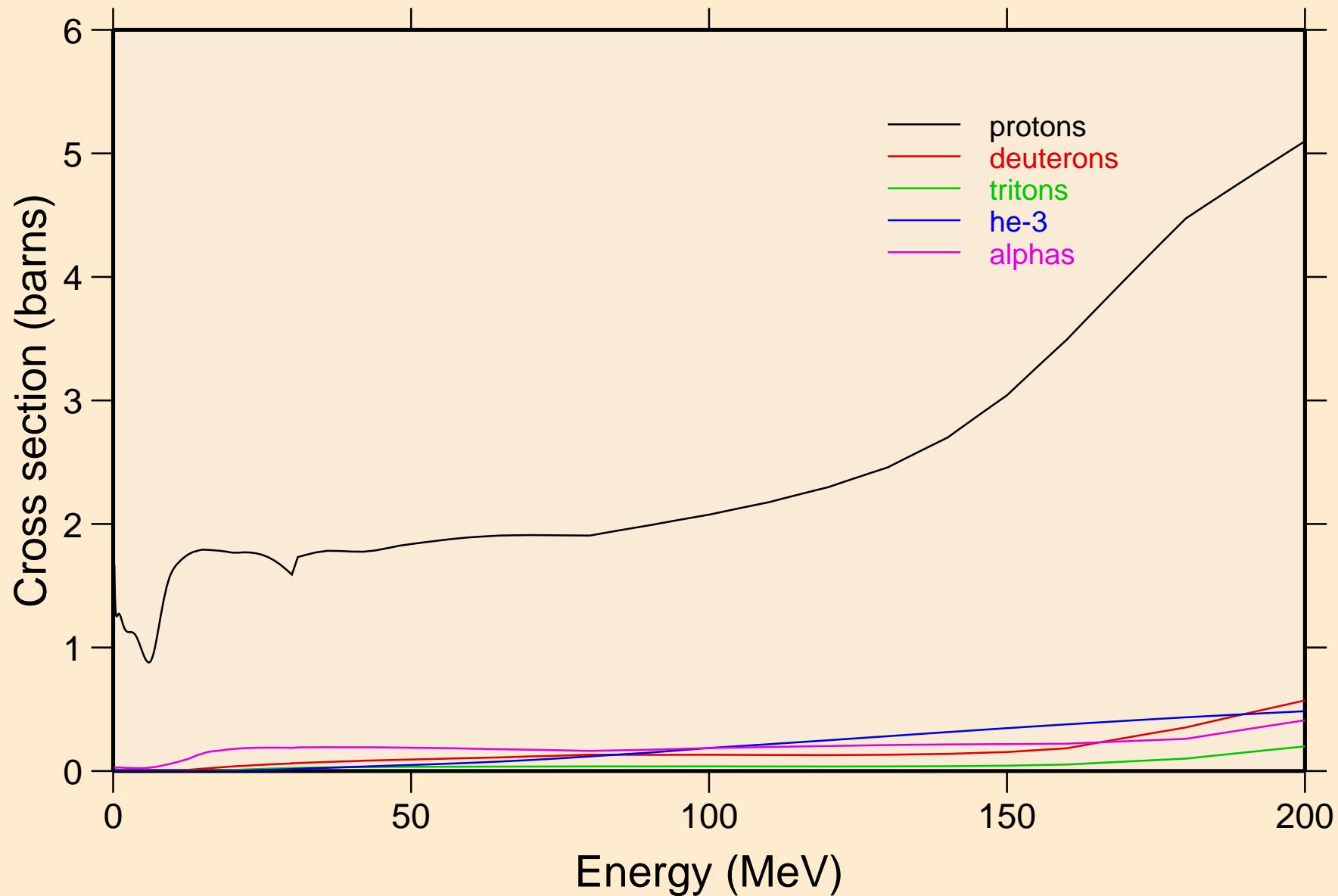
## Particle heating contributions



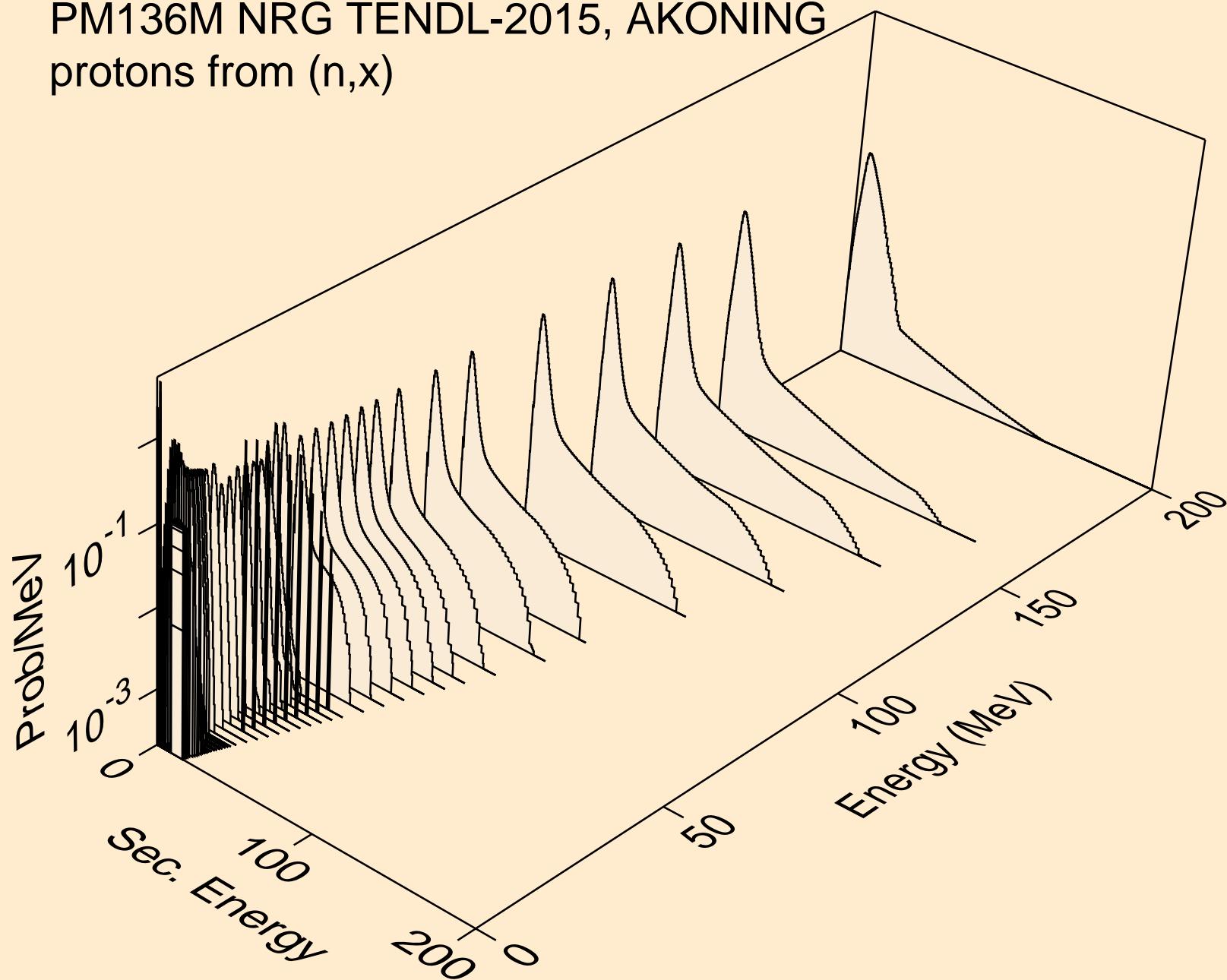
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Recoil Heating



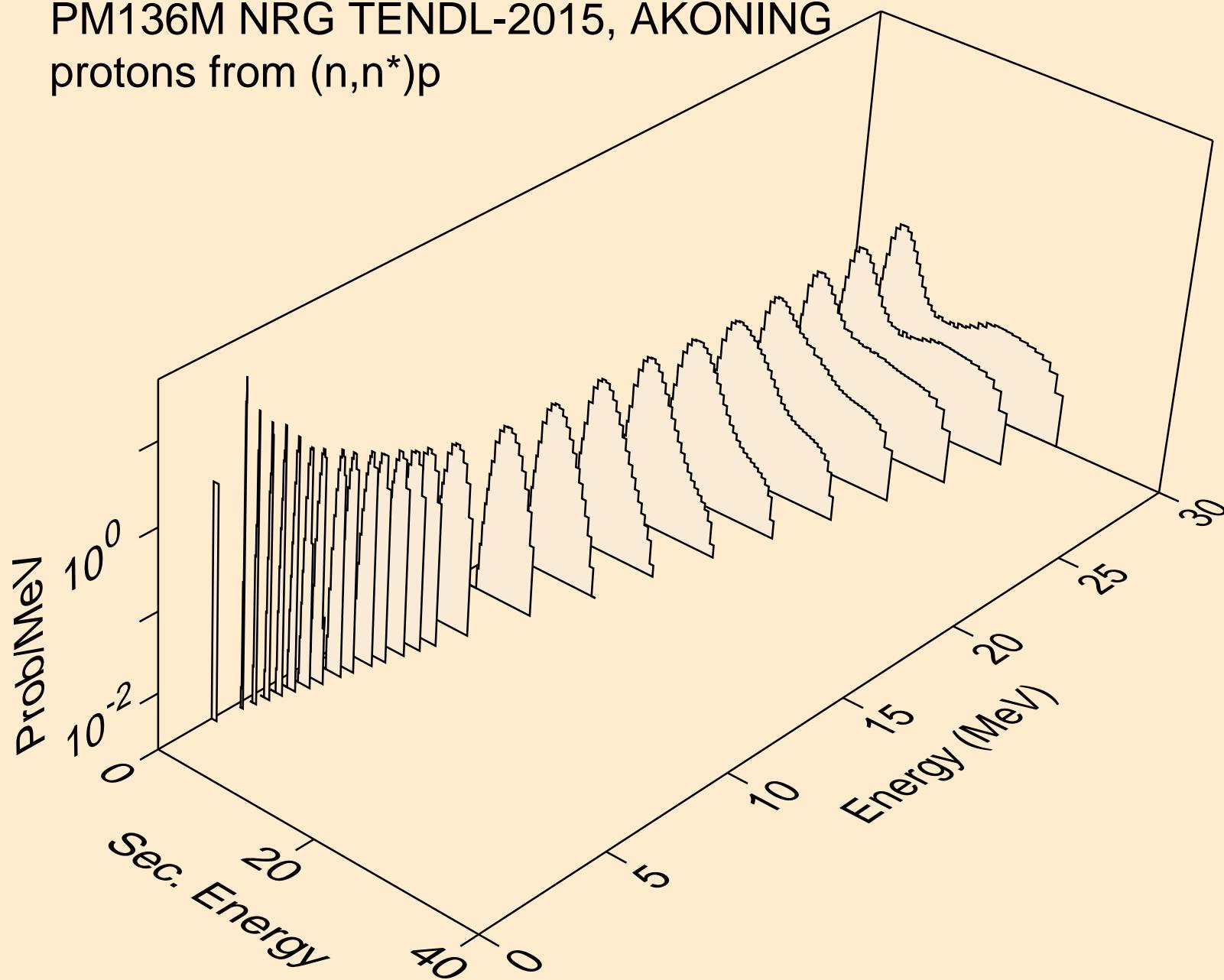
PM136M NRG TENDL-2015, AKONING  
Particle production cross sections



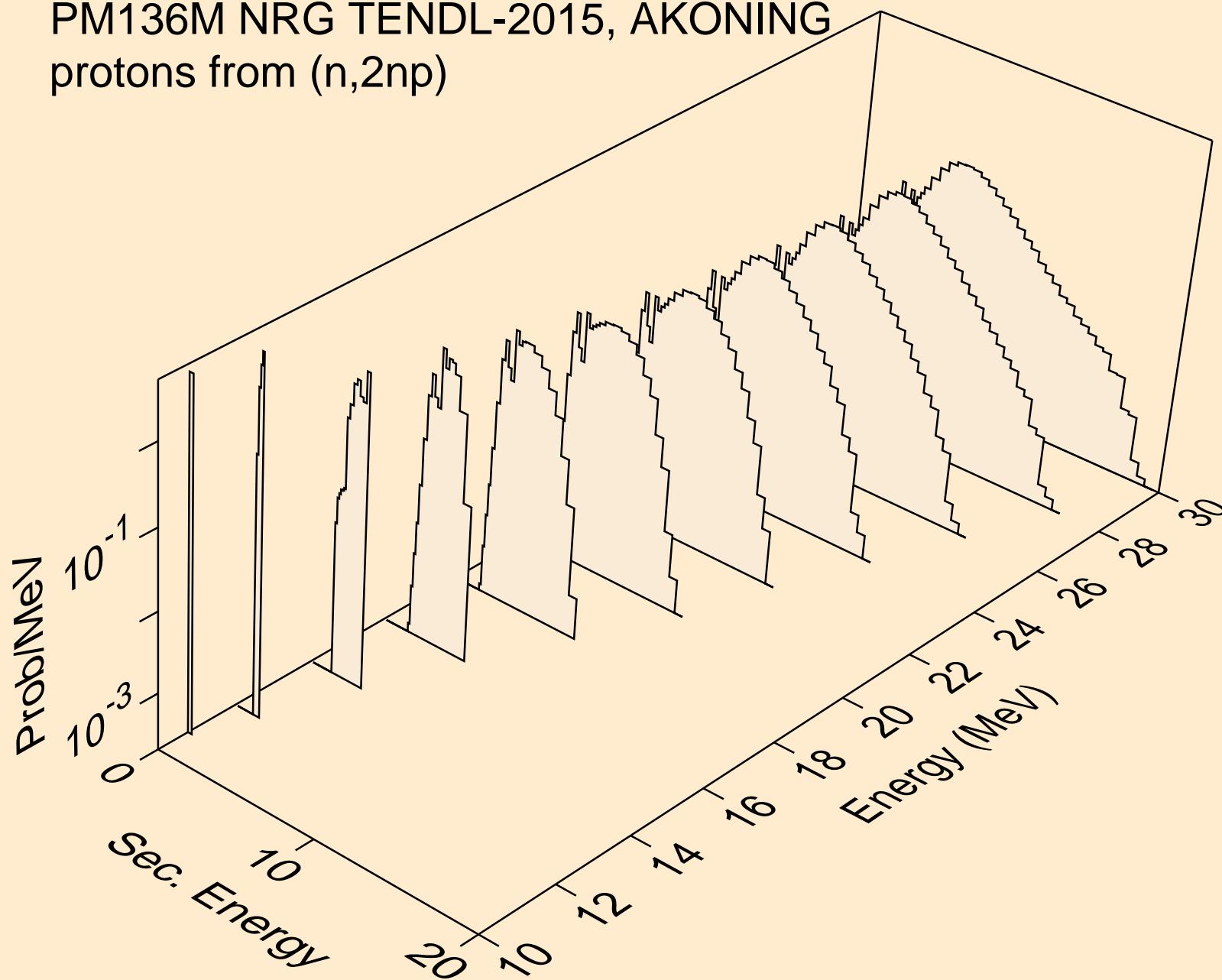
PM136M NRG TENDL-2015, AKONING  
protons from ( $n,x$ )



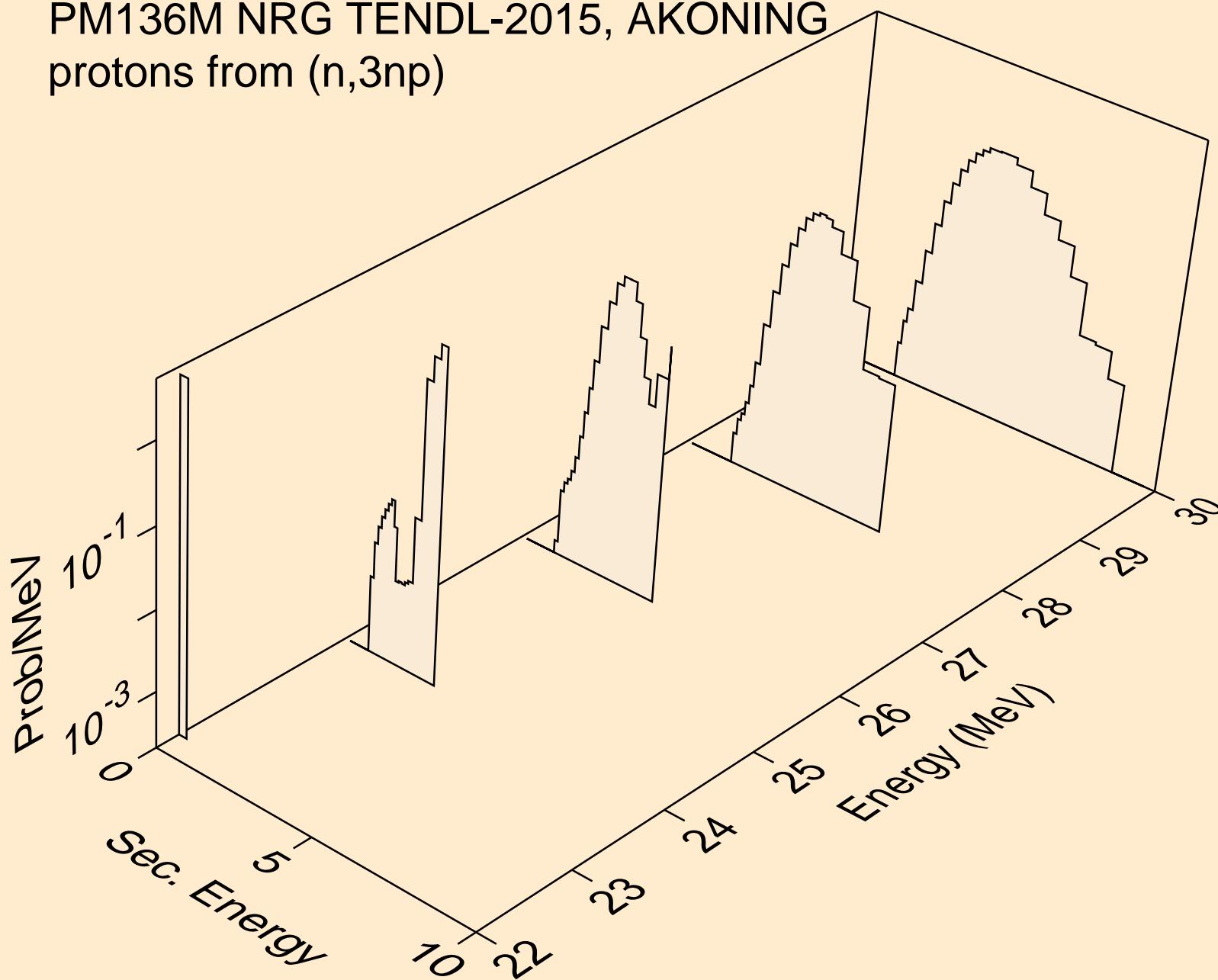
PM136M NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



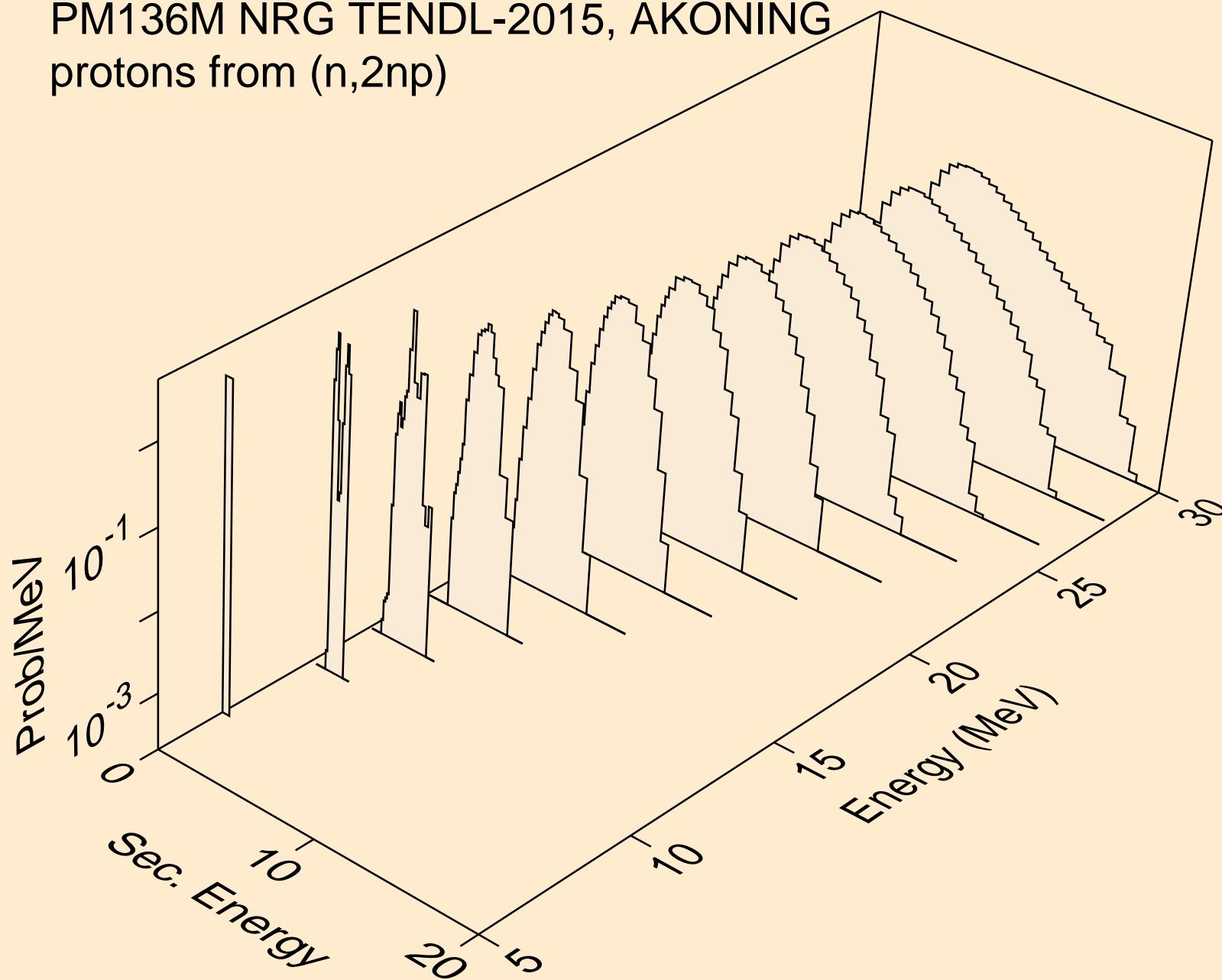
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protons from ( $n,2np$ )



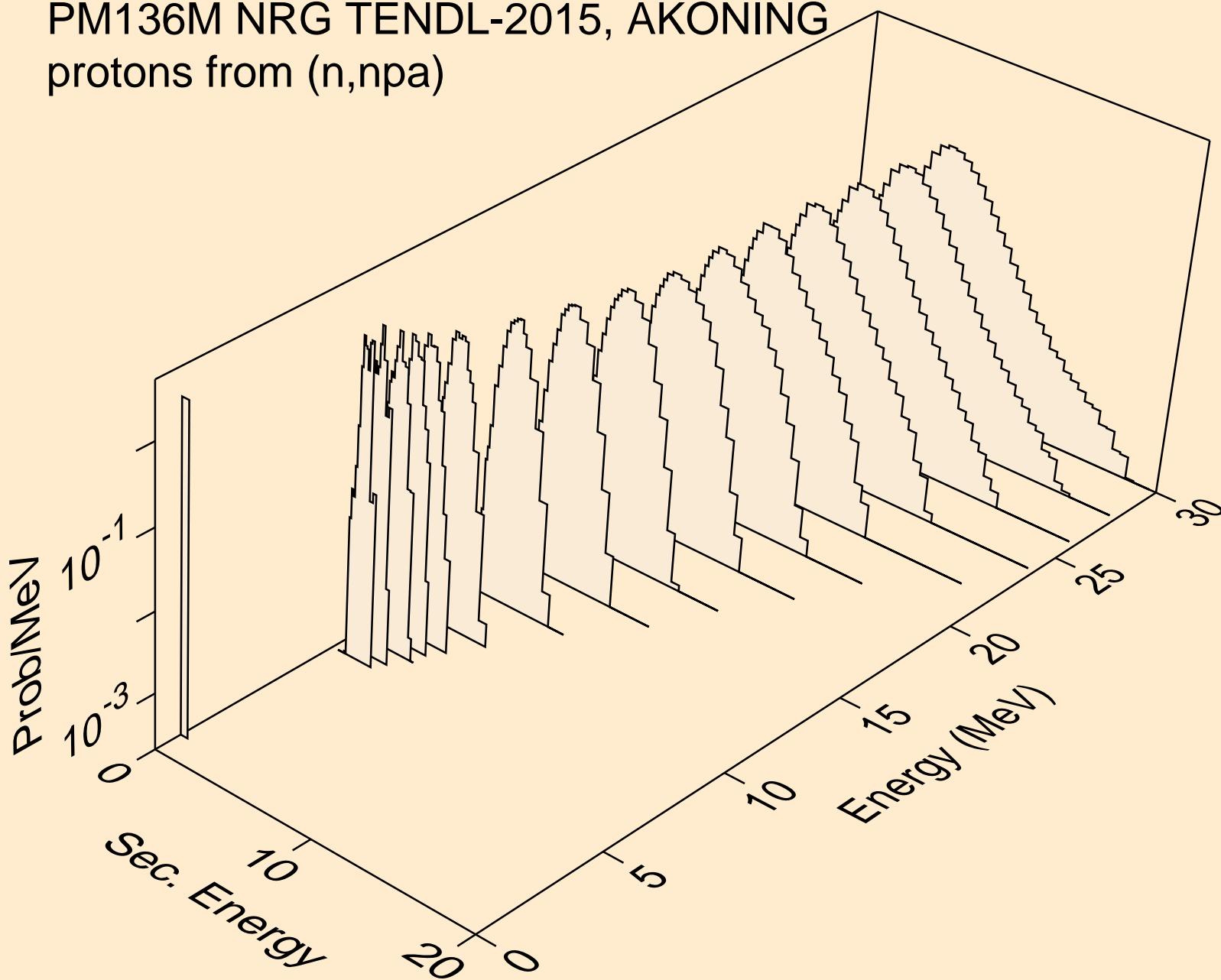
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protons from ( $n,3np$ )



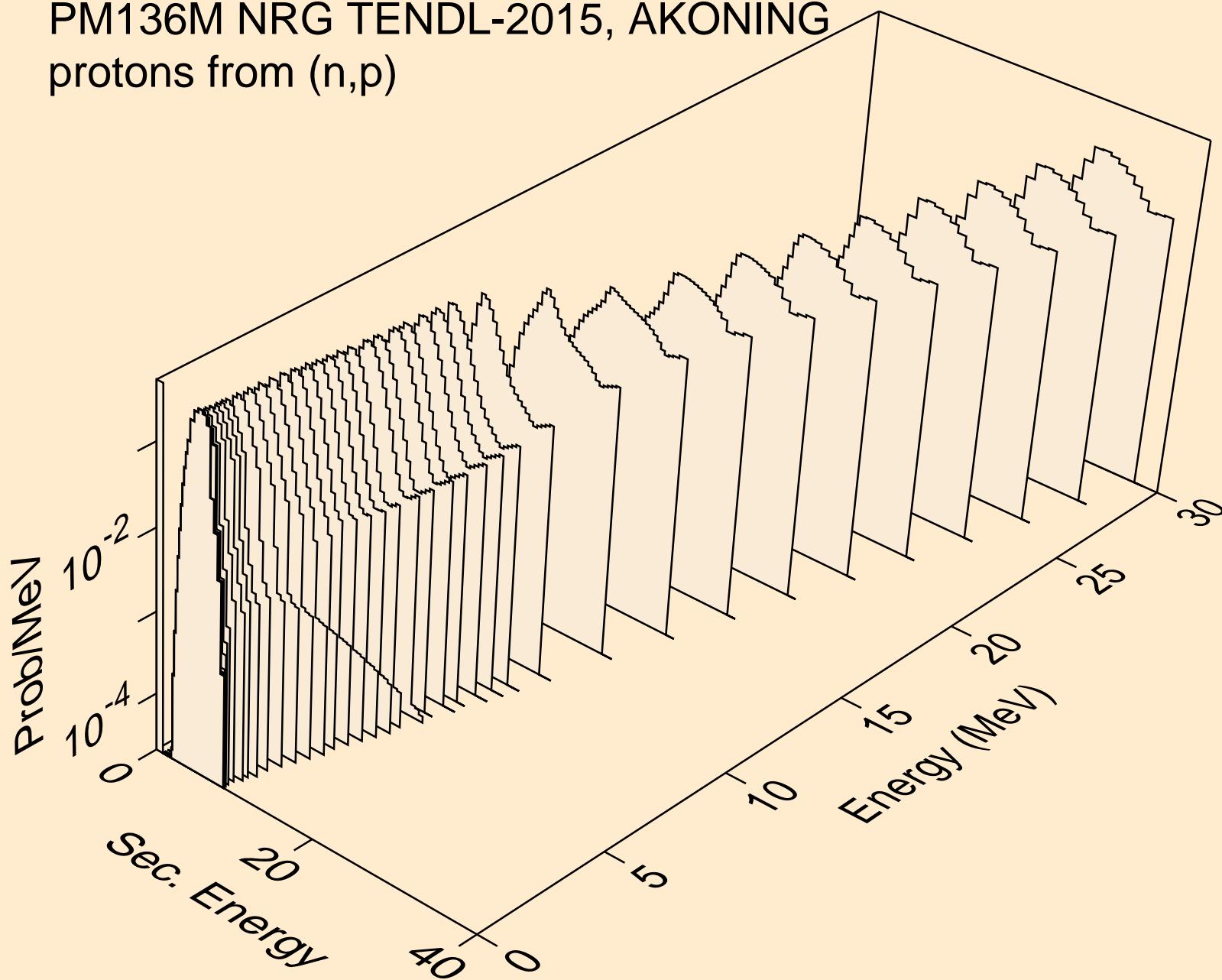
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protons from ( $n,2np$ )



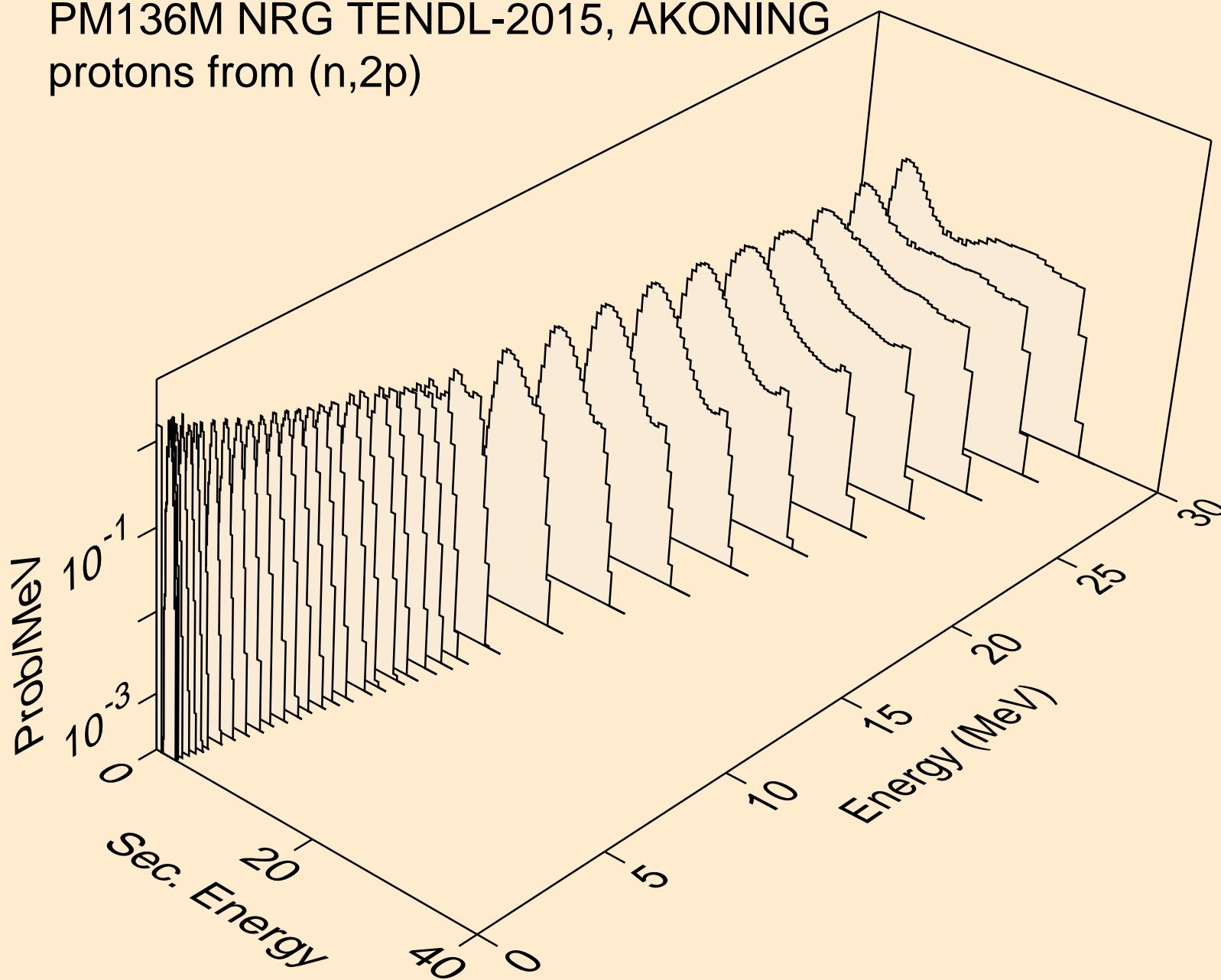
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protons from (n,npa)



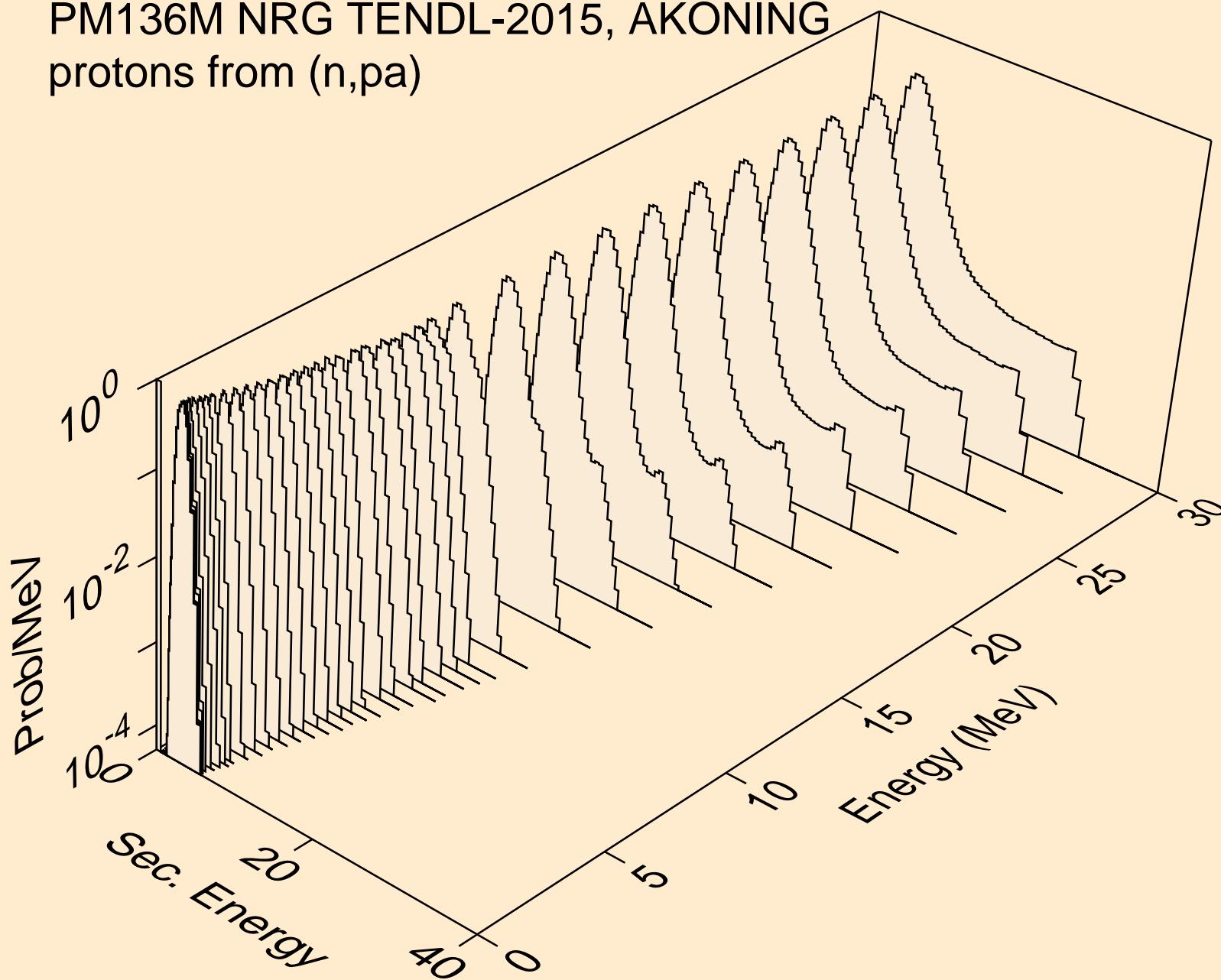
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protons from (n,p)



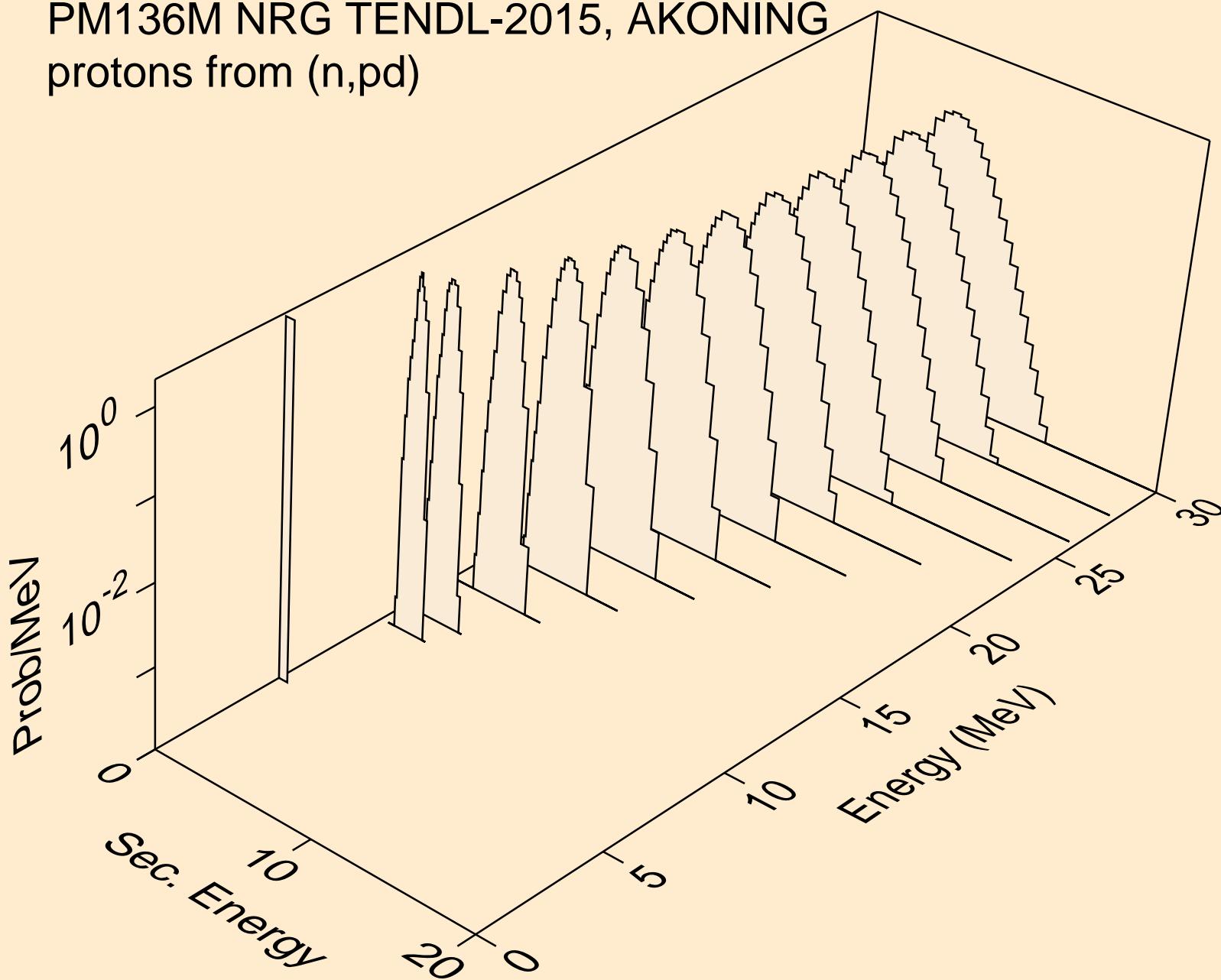
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protons from ( $n,2p$ )



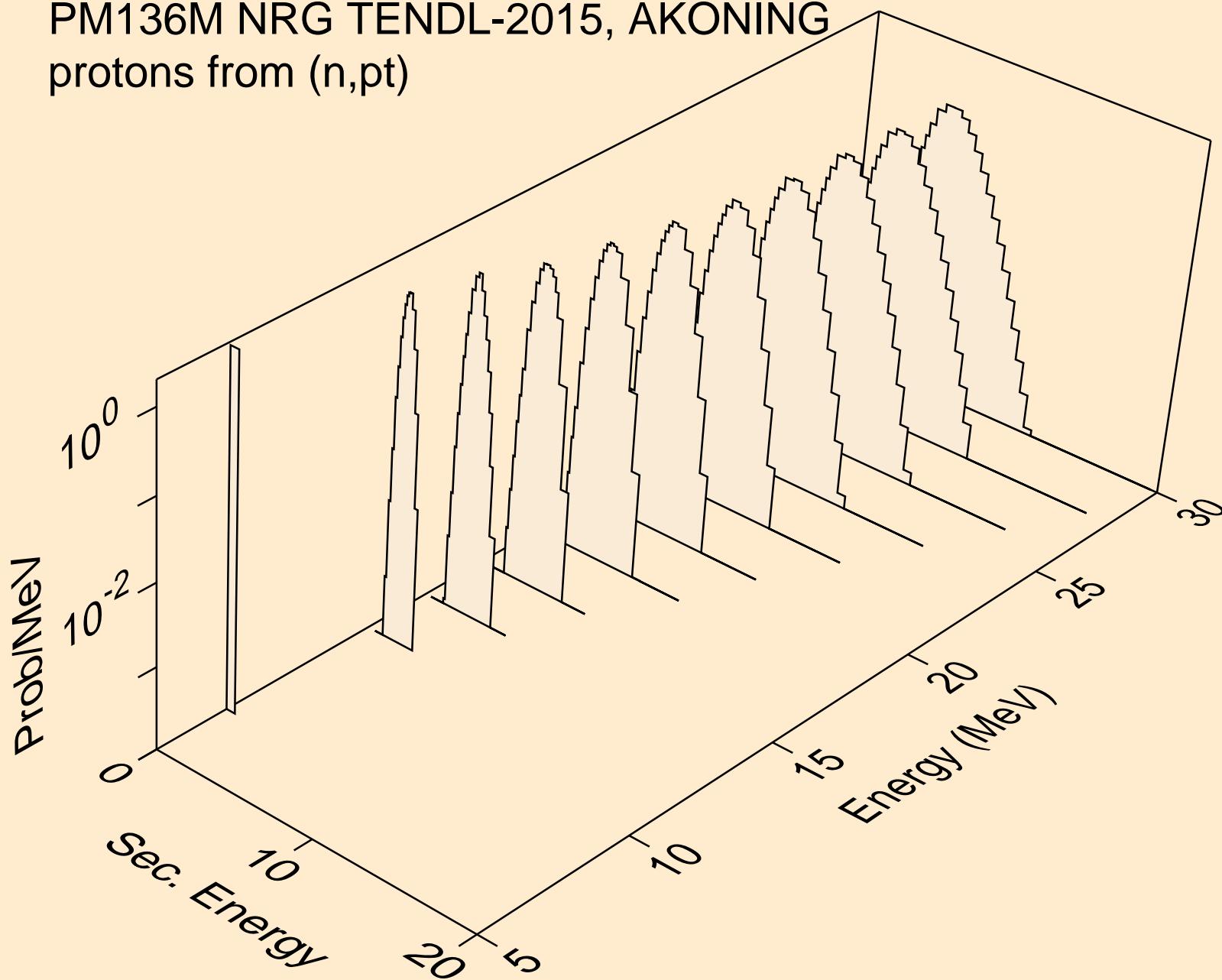
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protons from (n,pa)



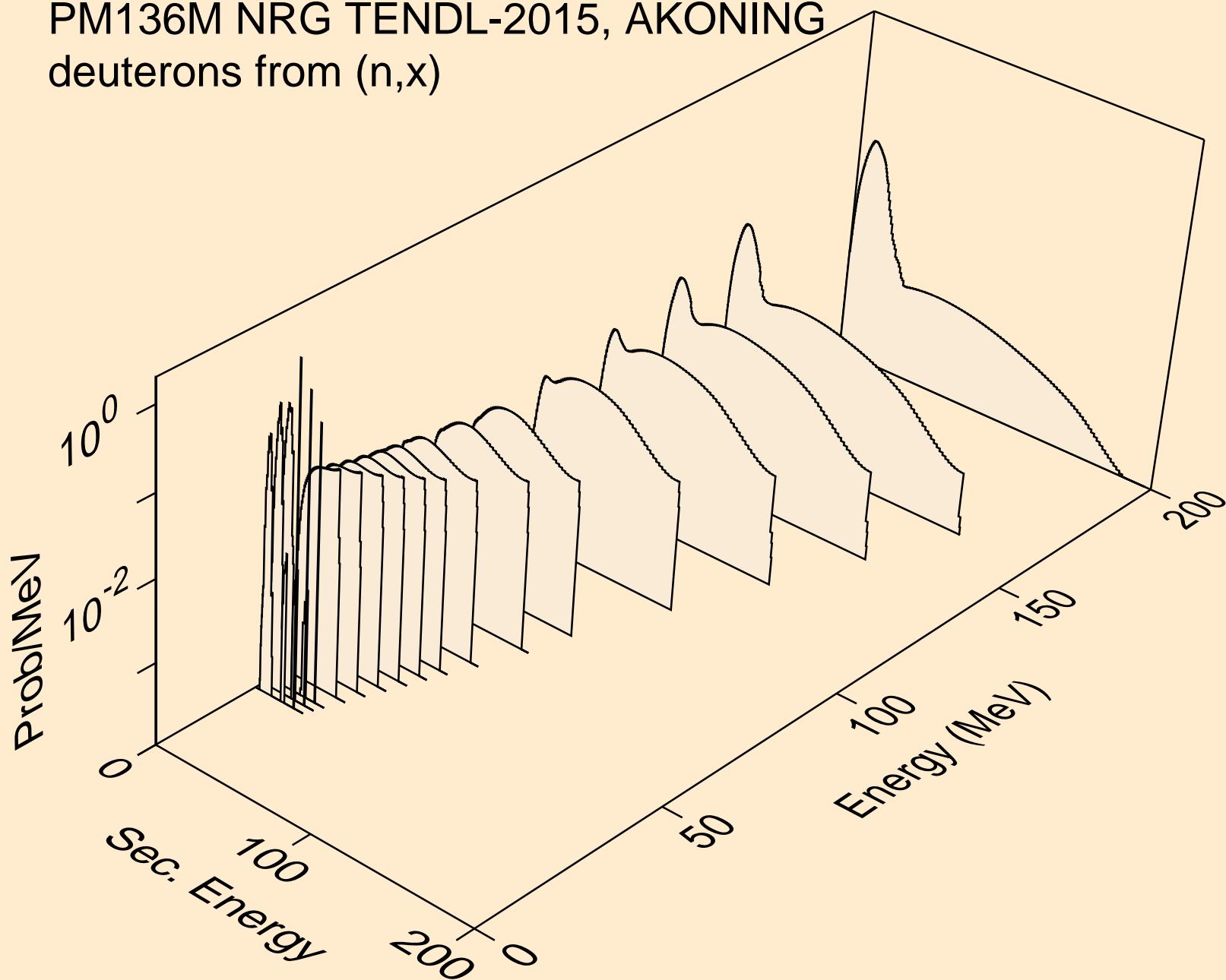
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protons from (n,pd)



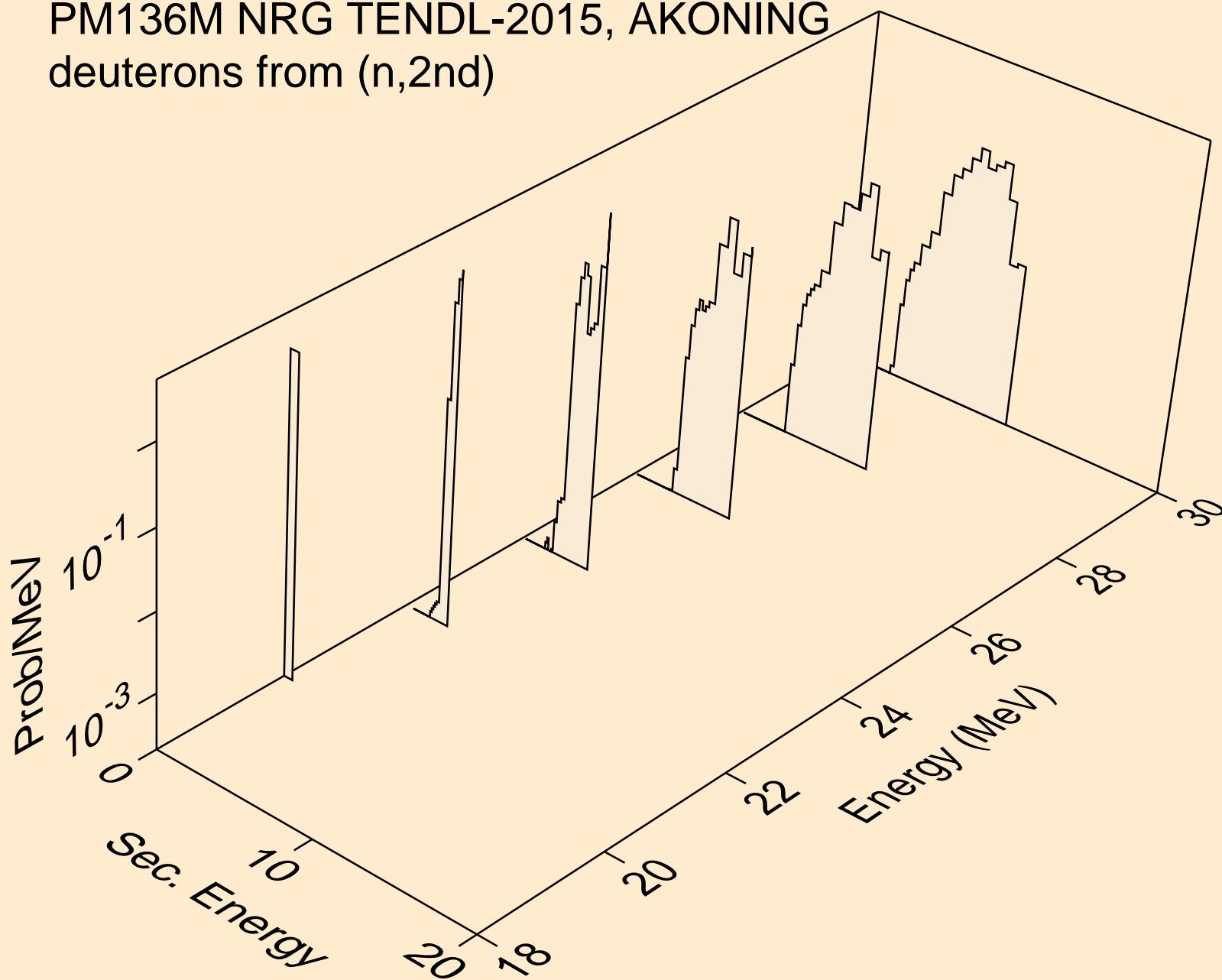
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protons from (n,pt)



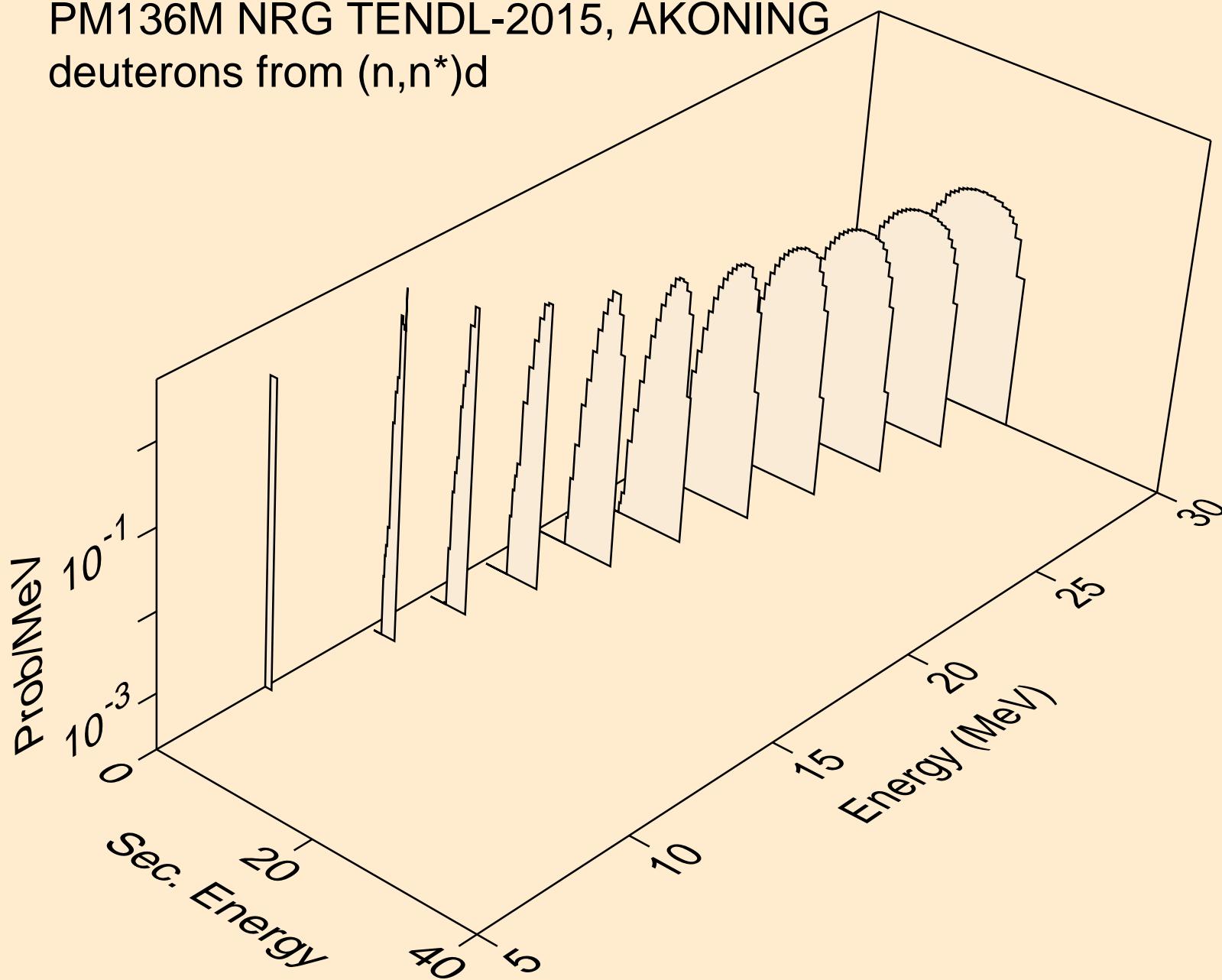
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deuterons from ( $n, x$ )



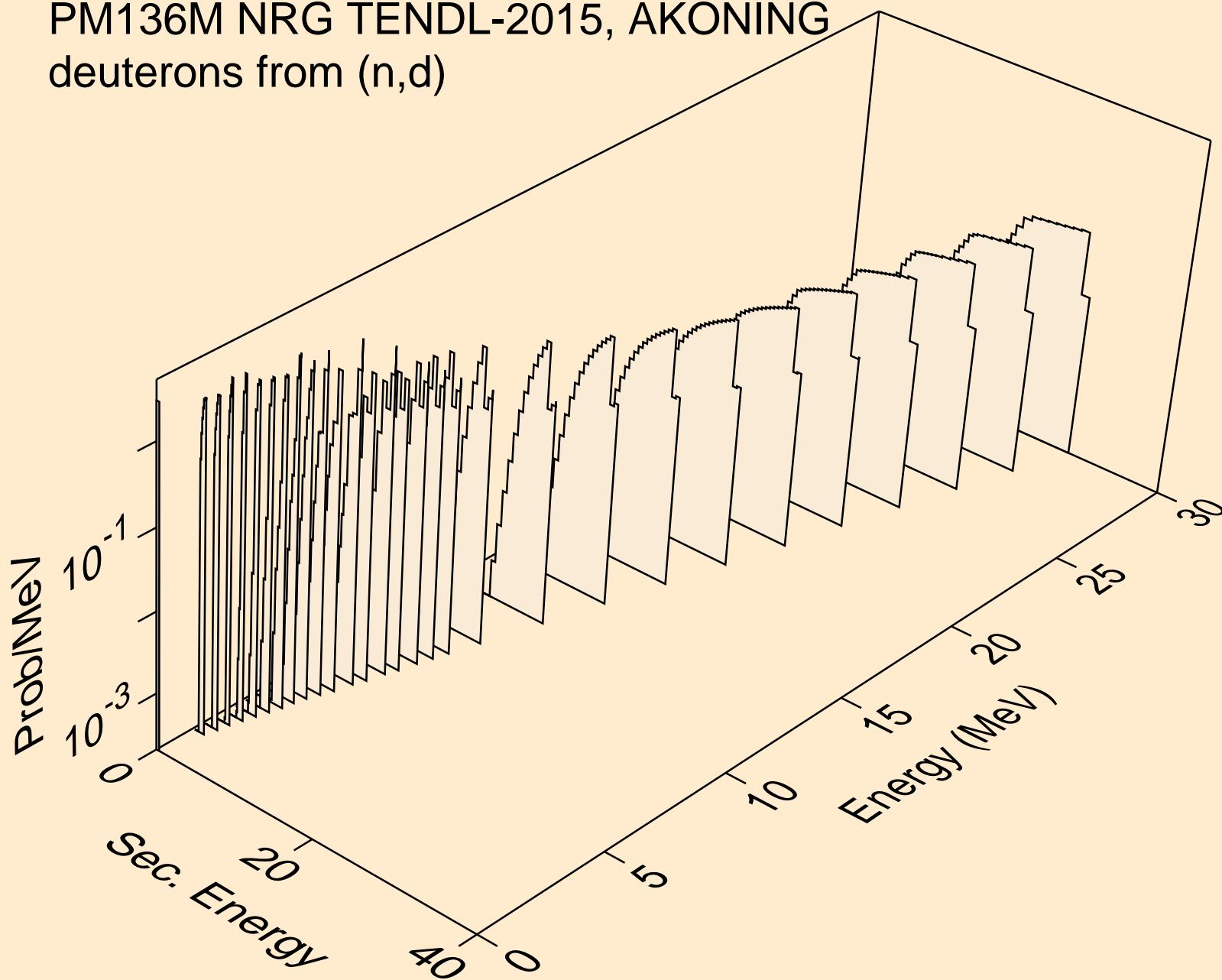
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deuterons from ( $n, 2nd$ )



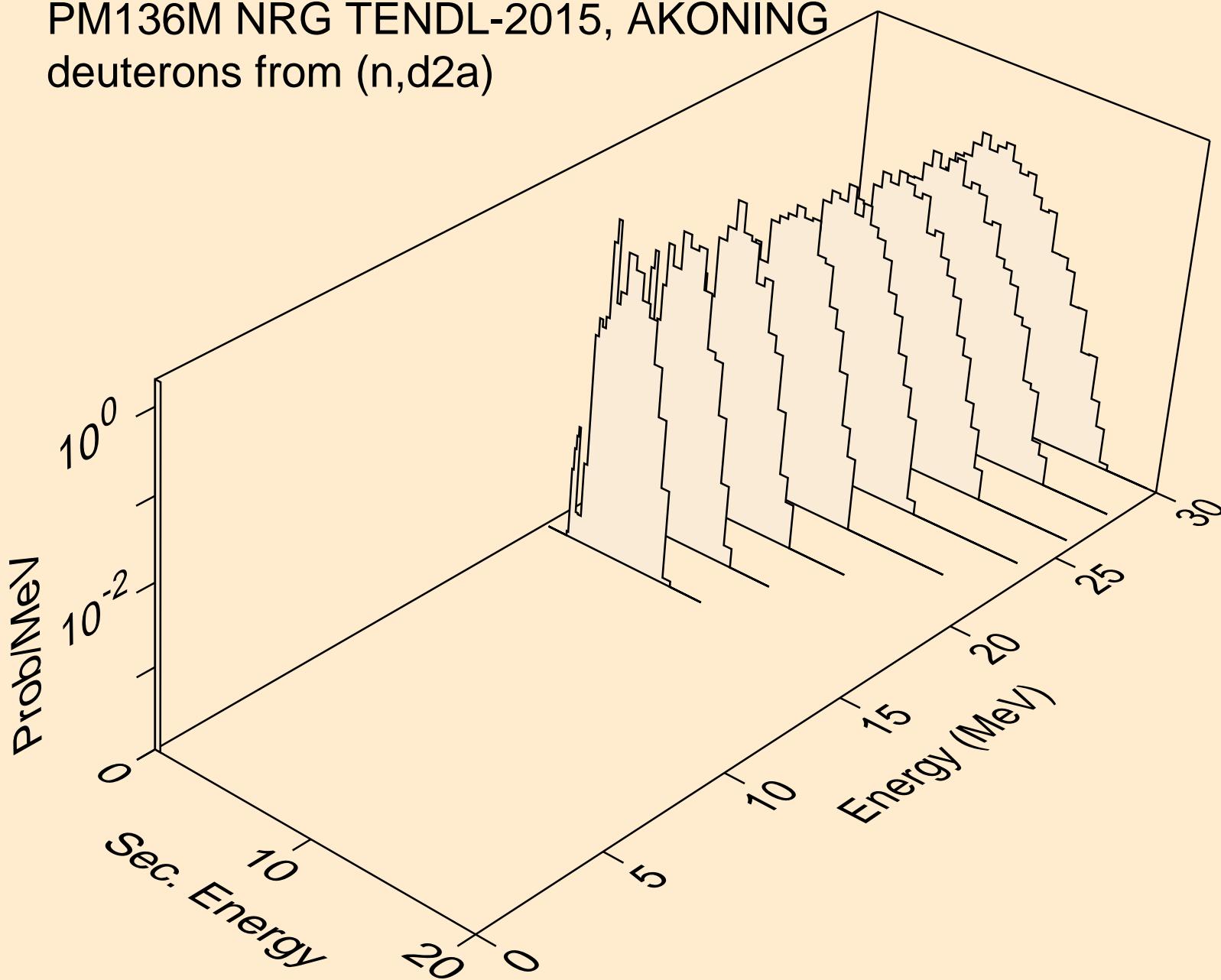
PM136M NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d$



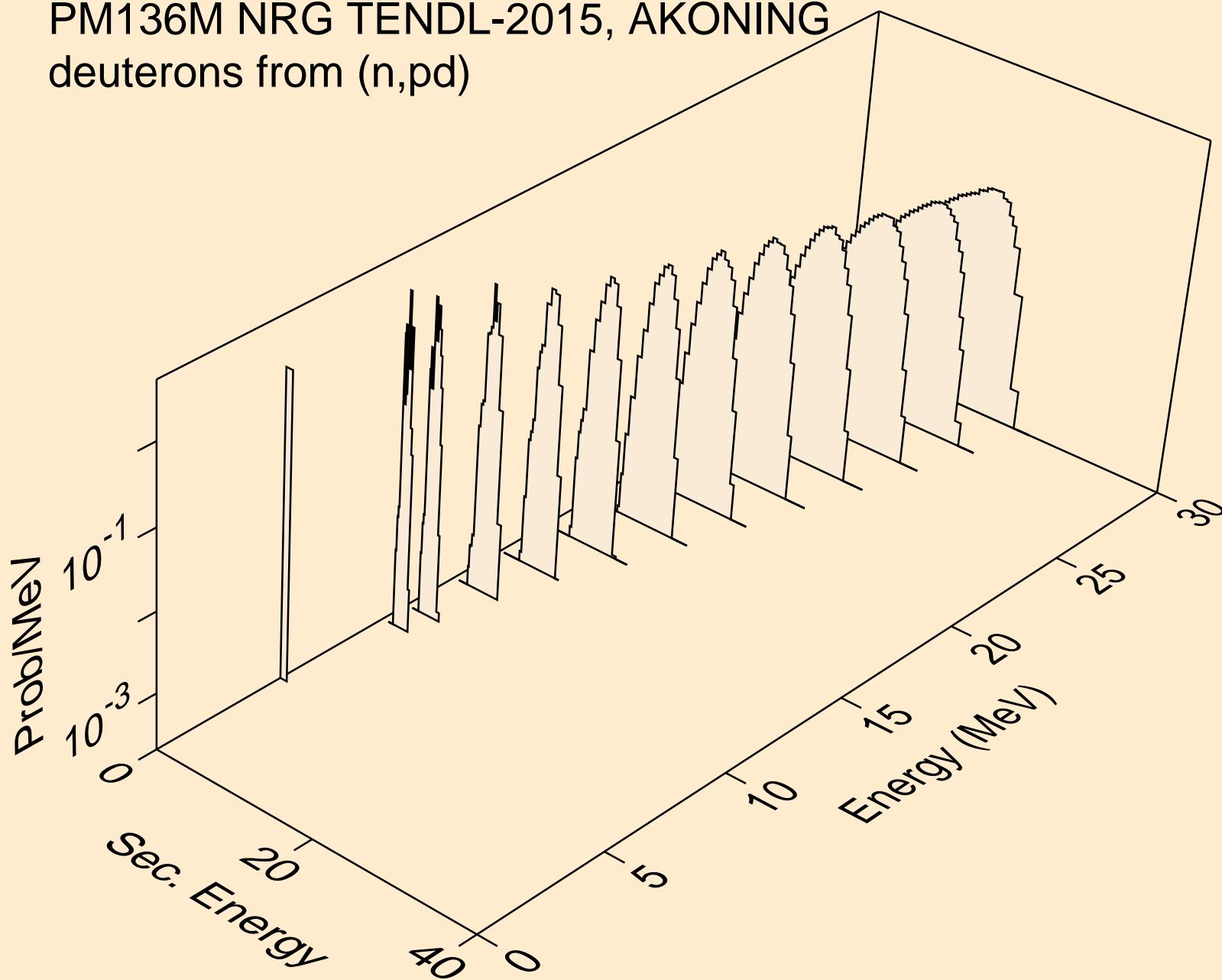
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deuterons from ( $n, d$ )



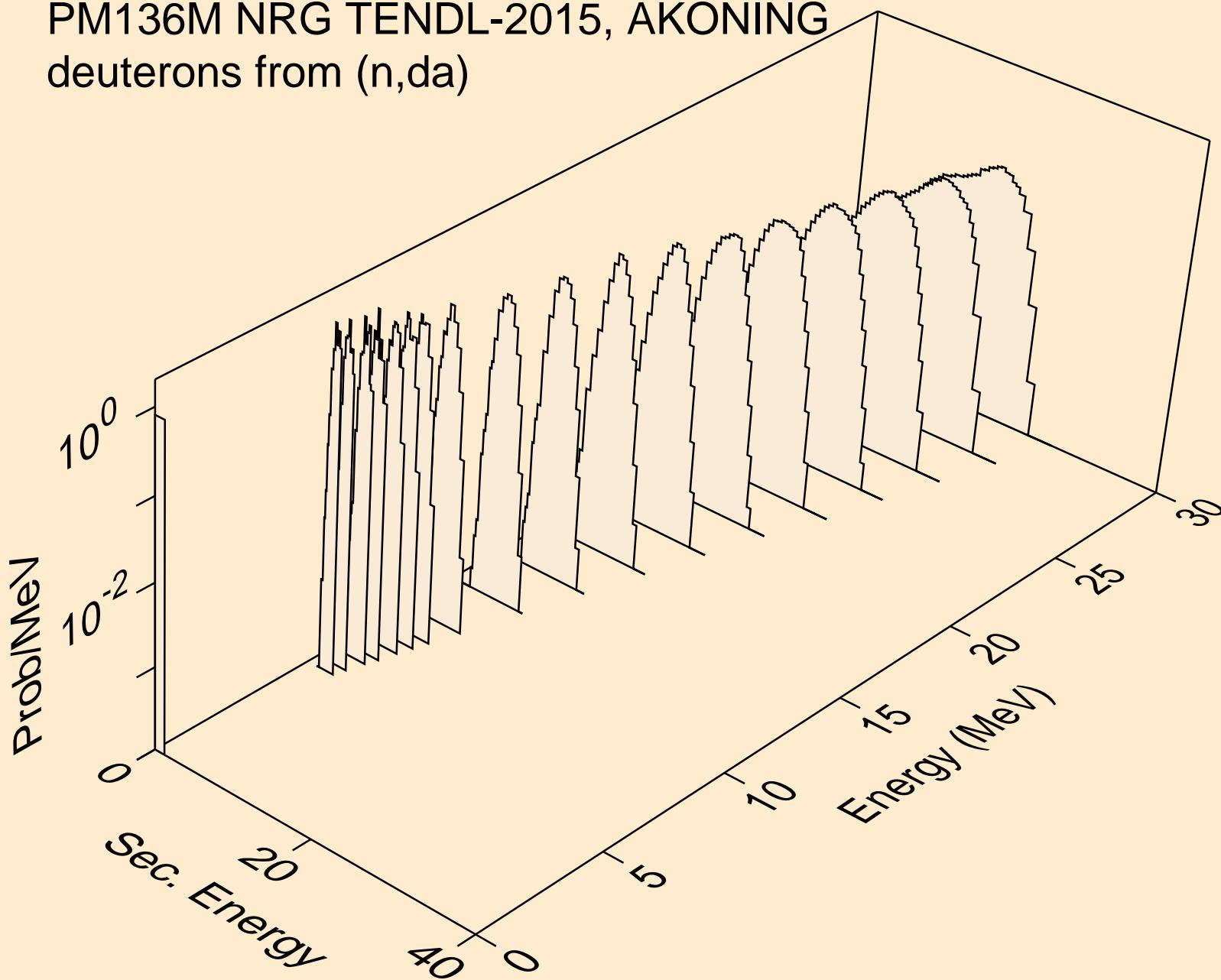
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deuterons from ( $n, d_2a$ )



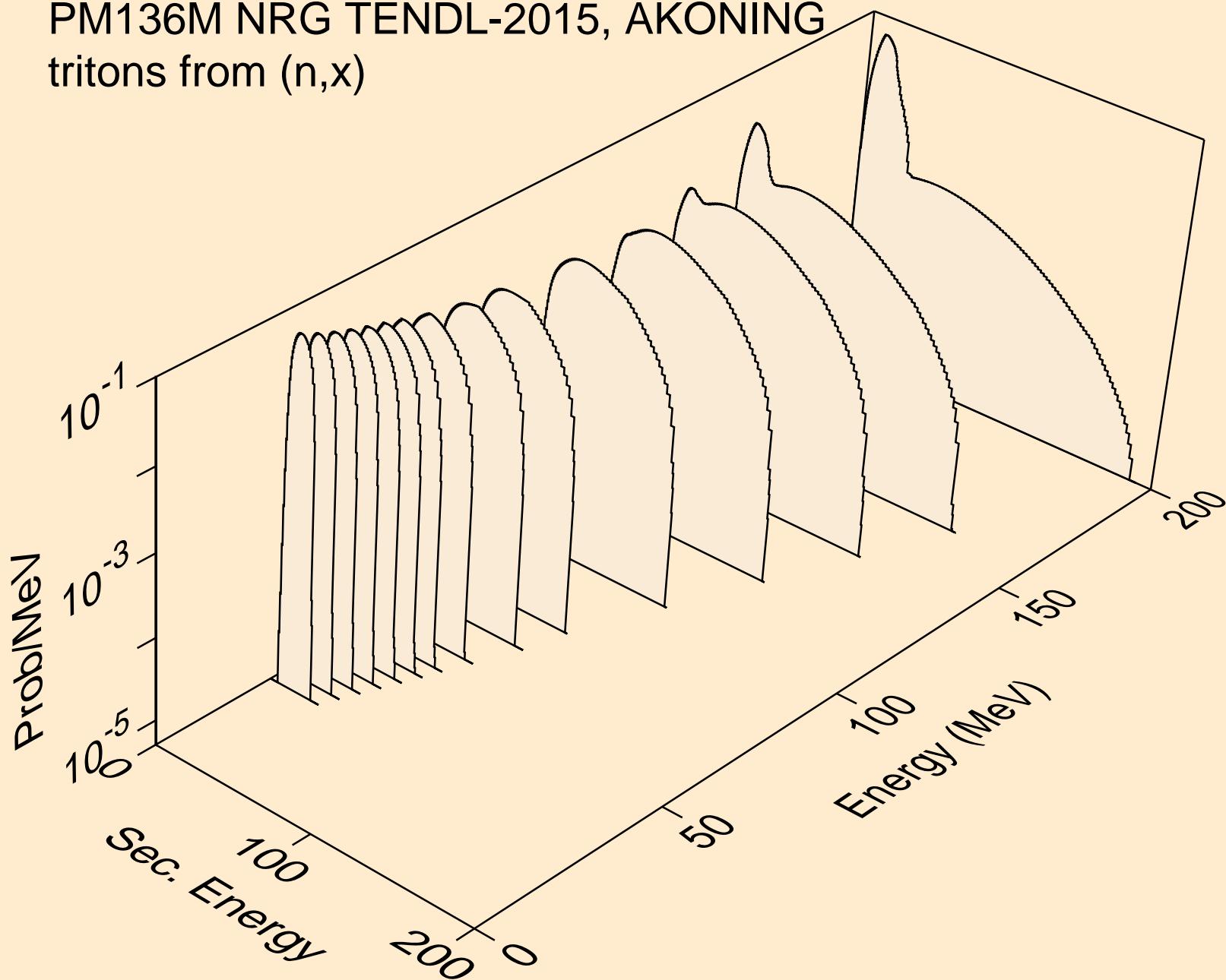
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deuterons from (n,pd)



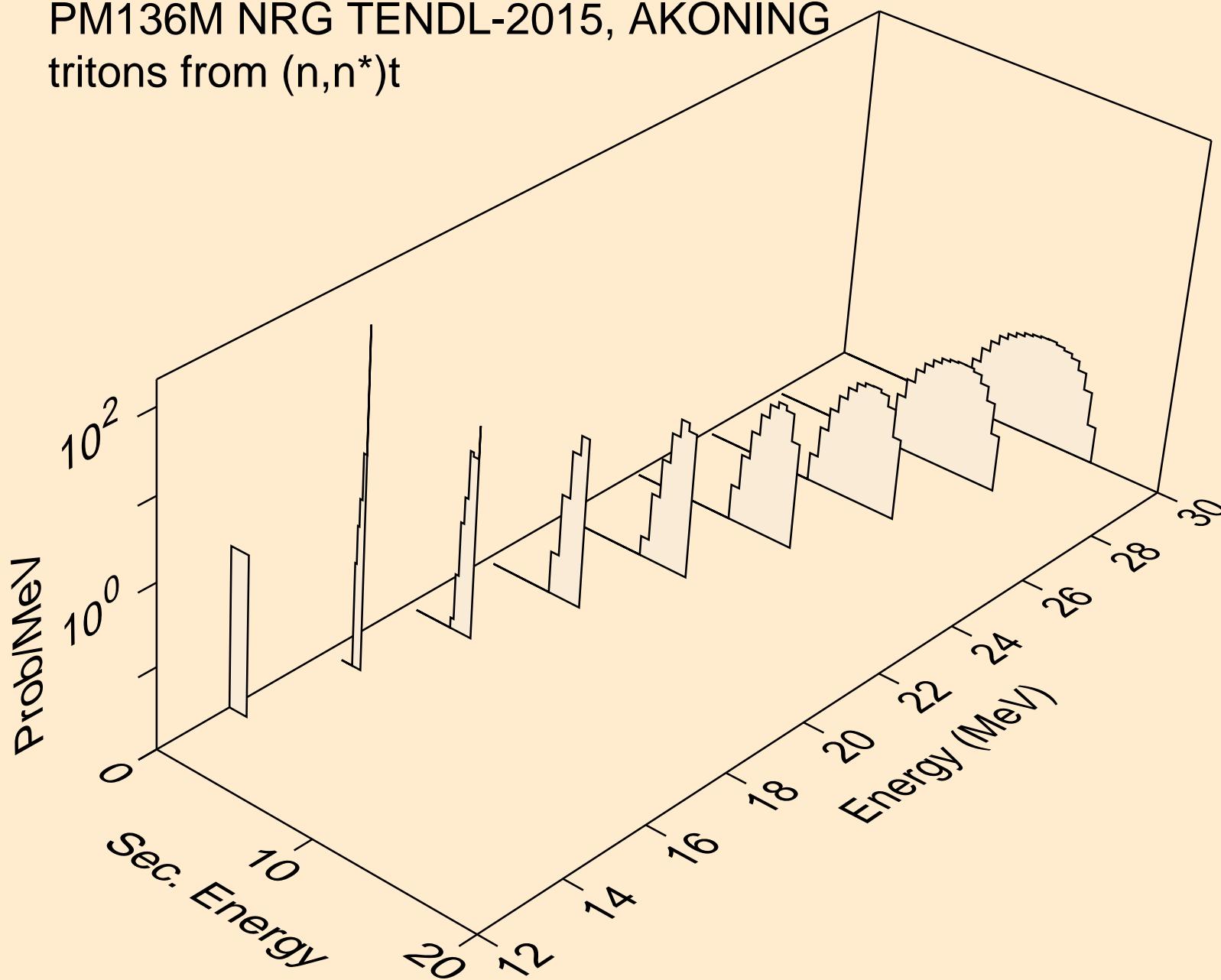
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deuterons from (n,da)



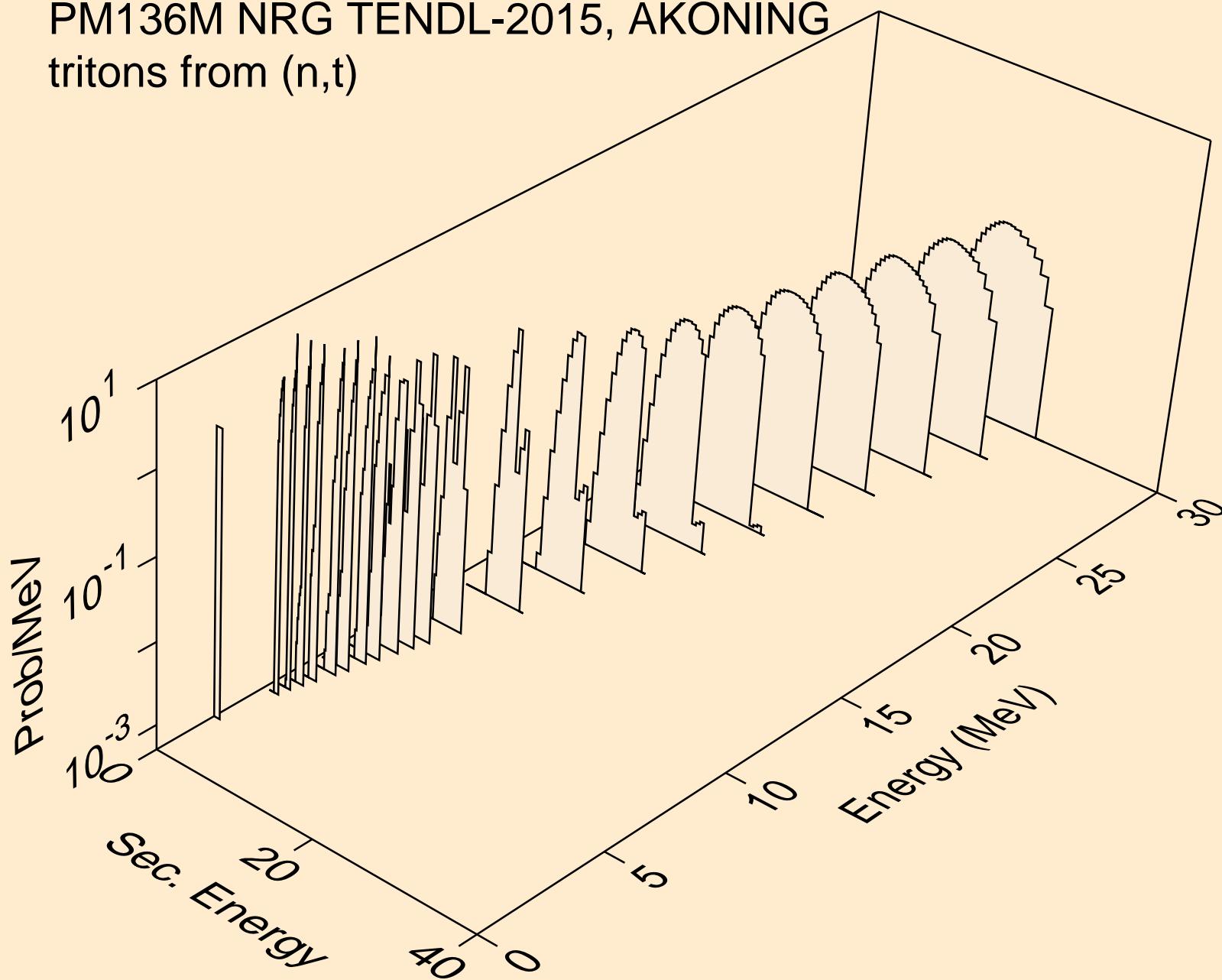
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tritons from ( $n,x$ )



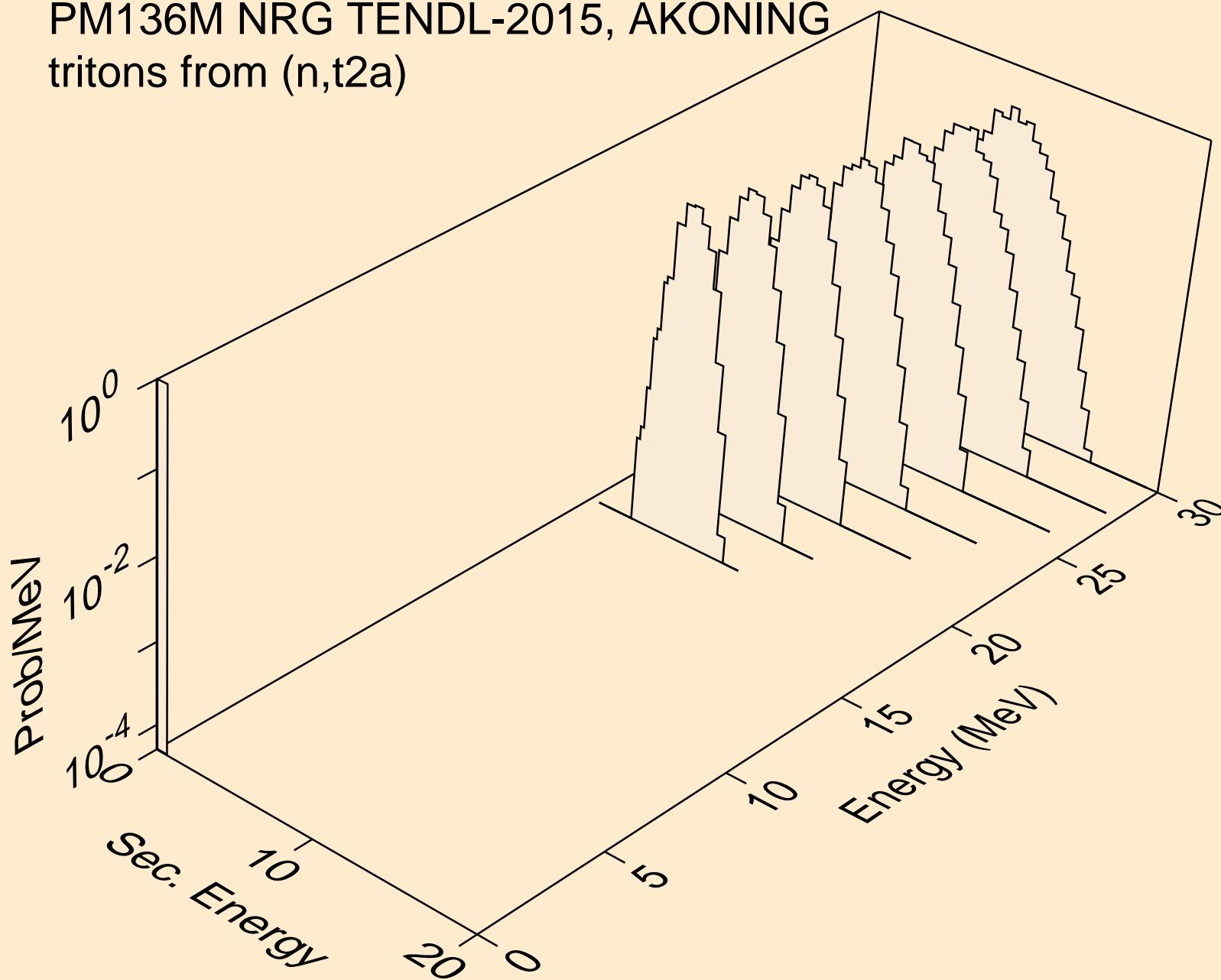
PM136M NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



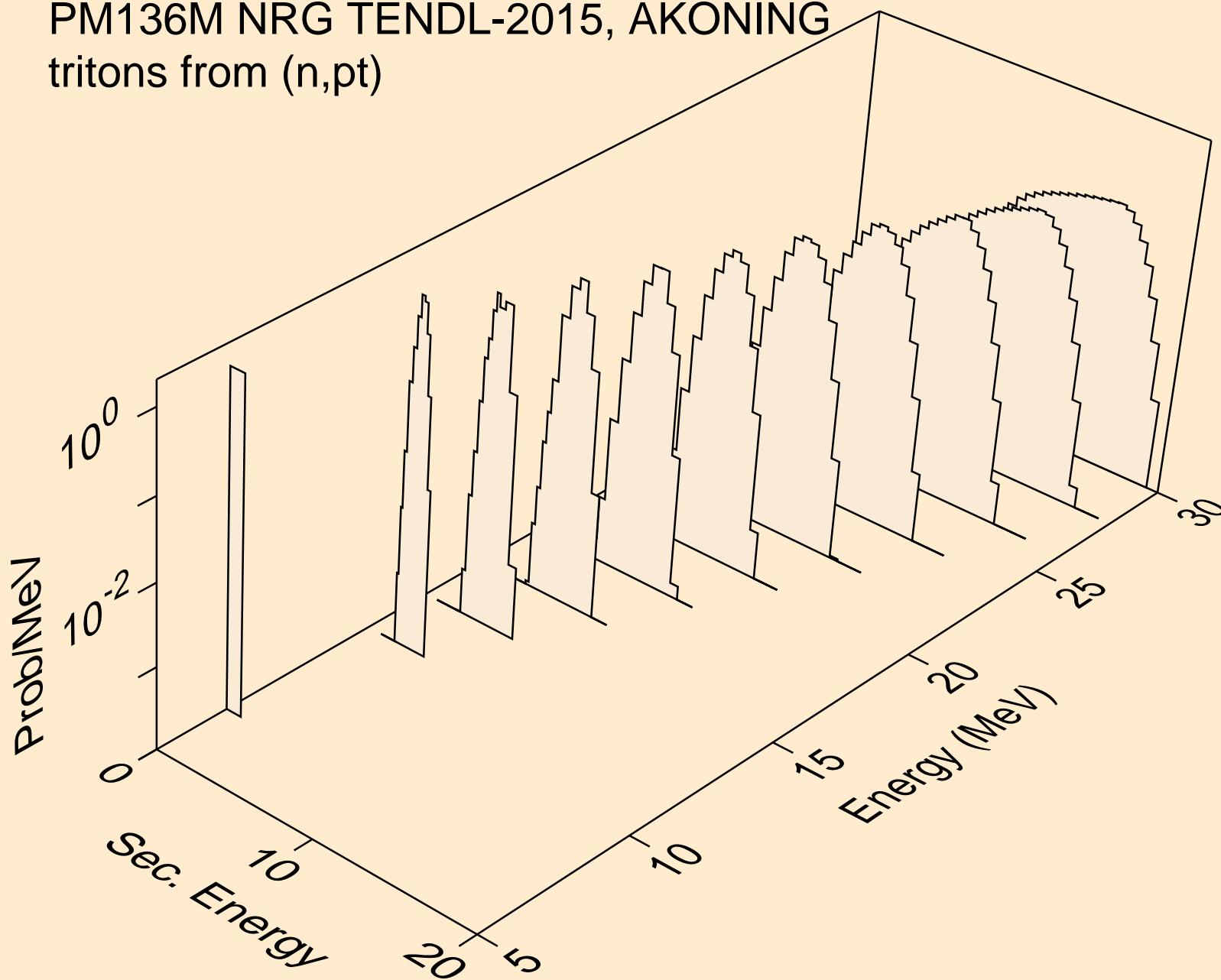
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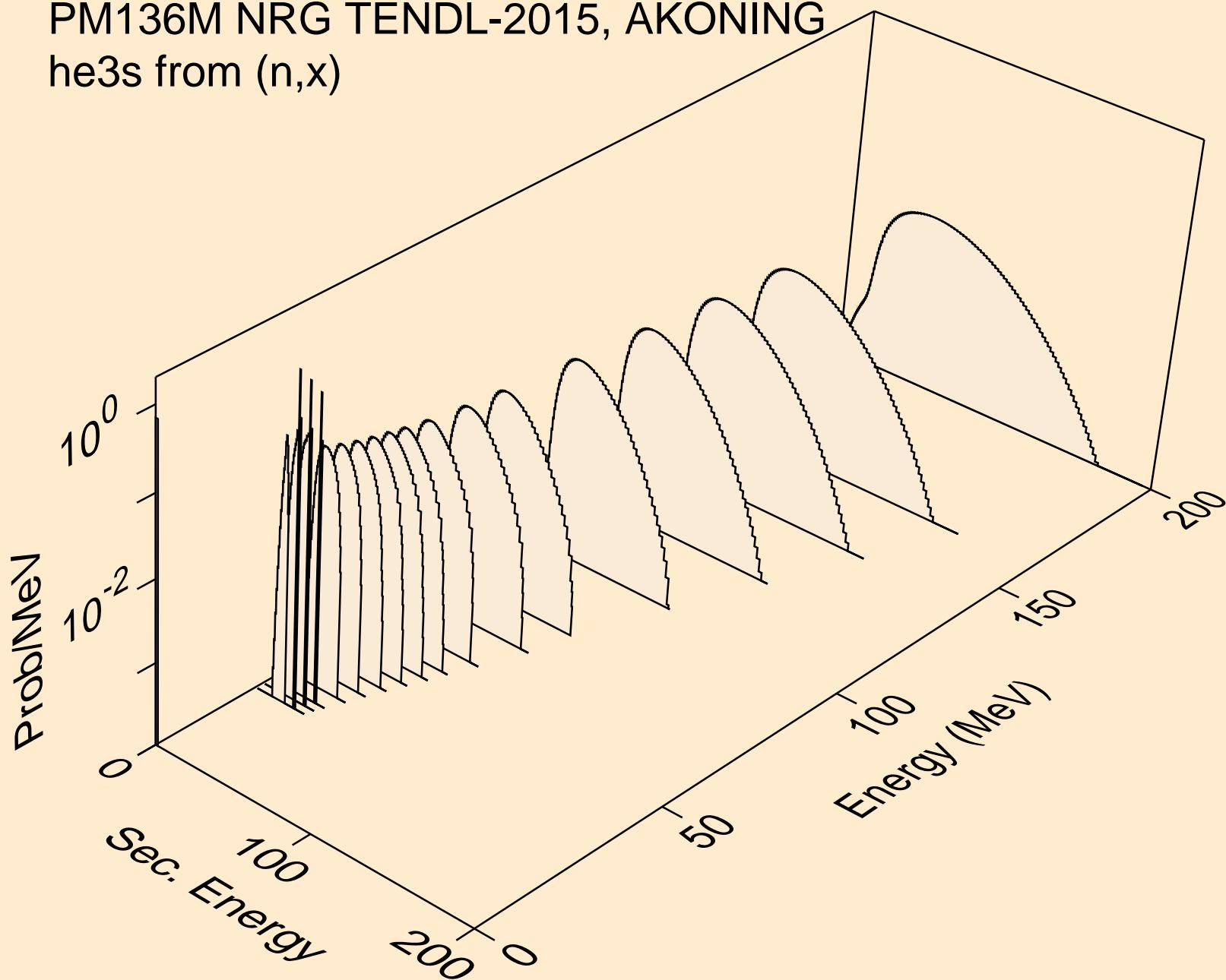
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tritons from ( $n, t_{2a}$ )



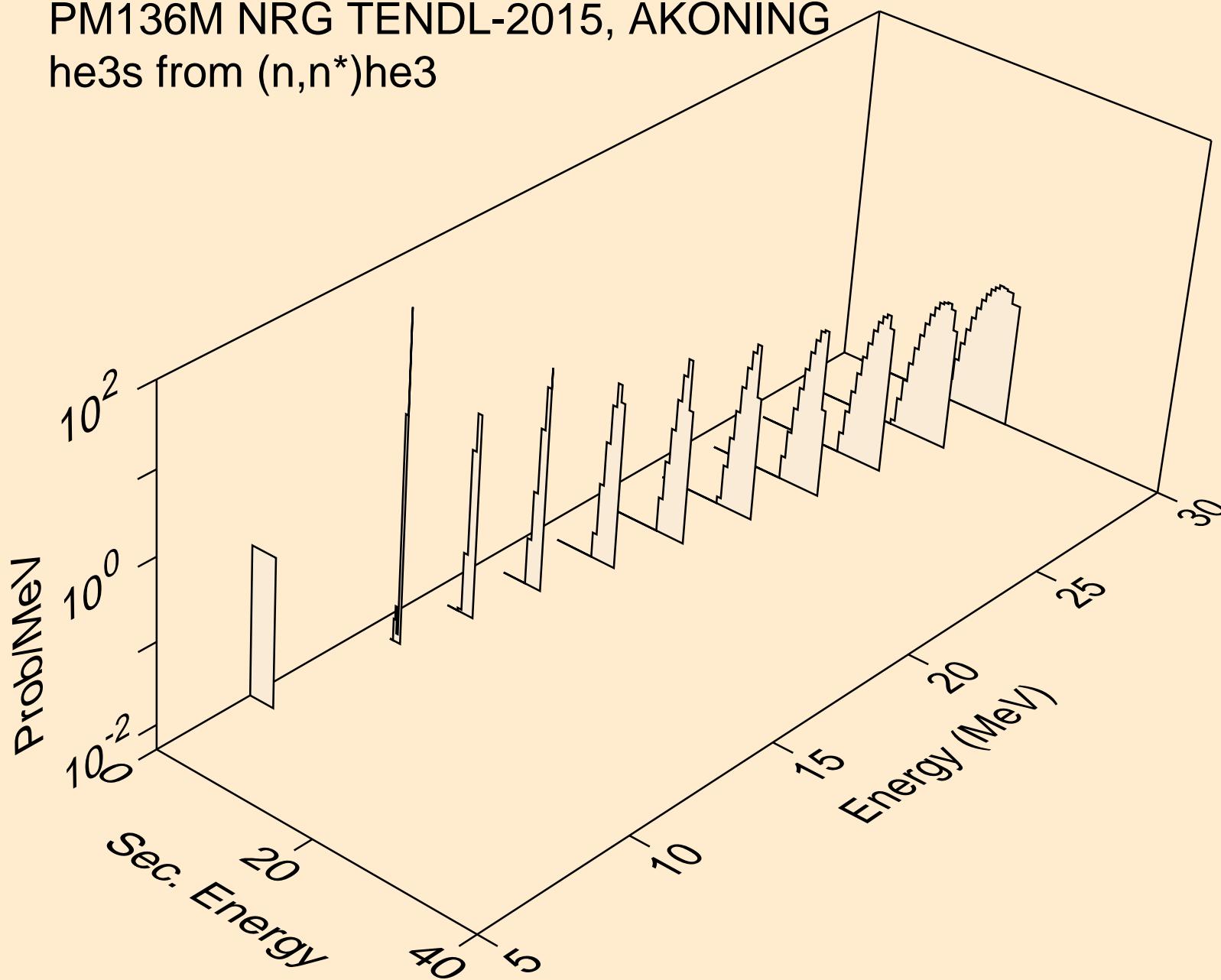
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tritons from (n,pt)



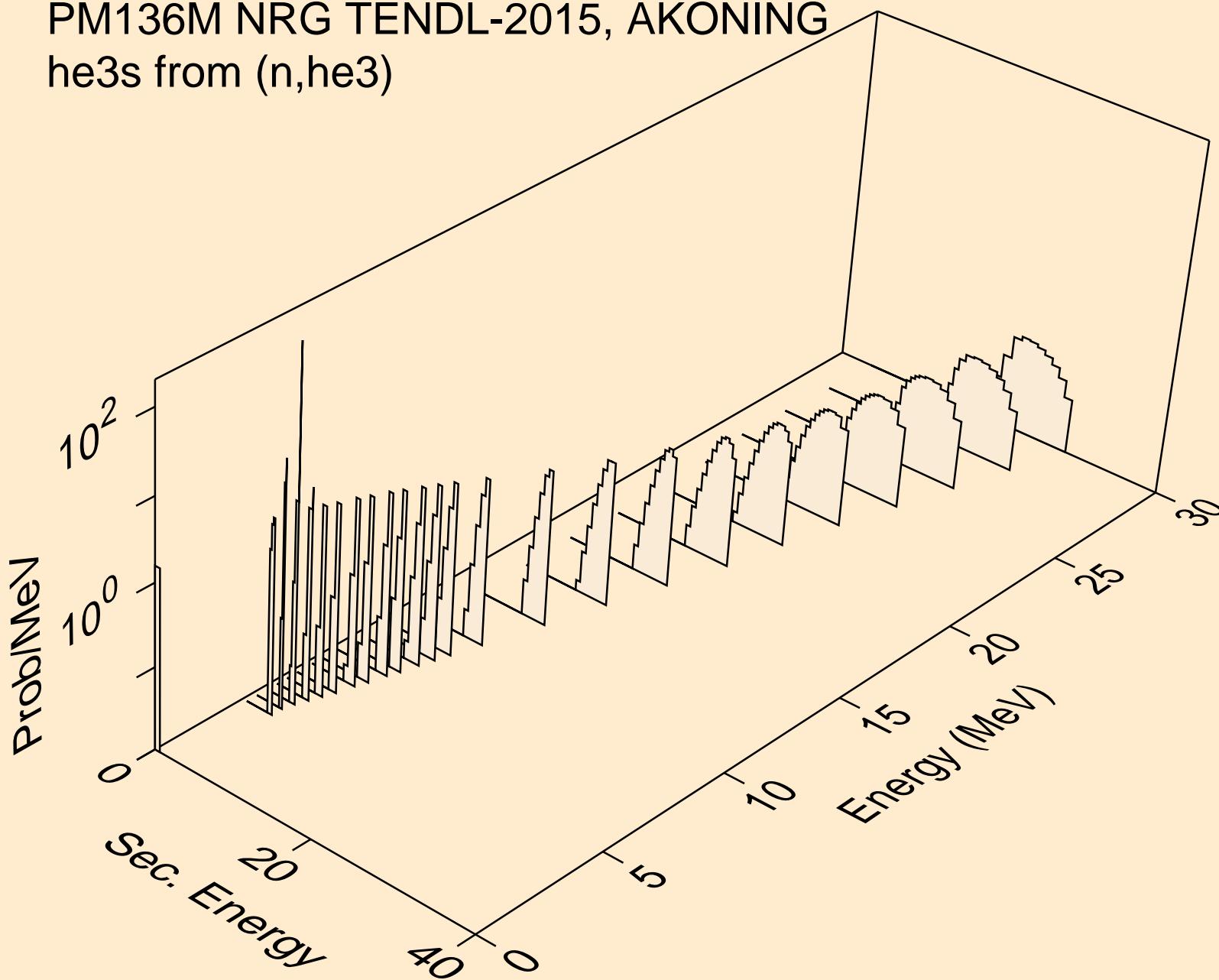
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he3s from (n,x)



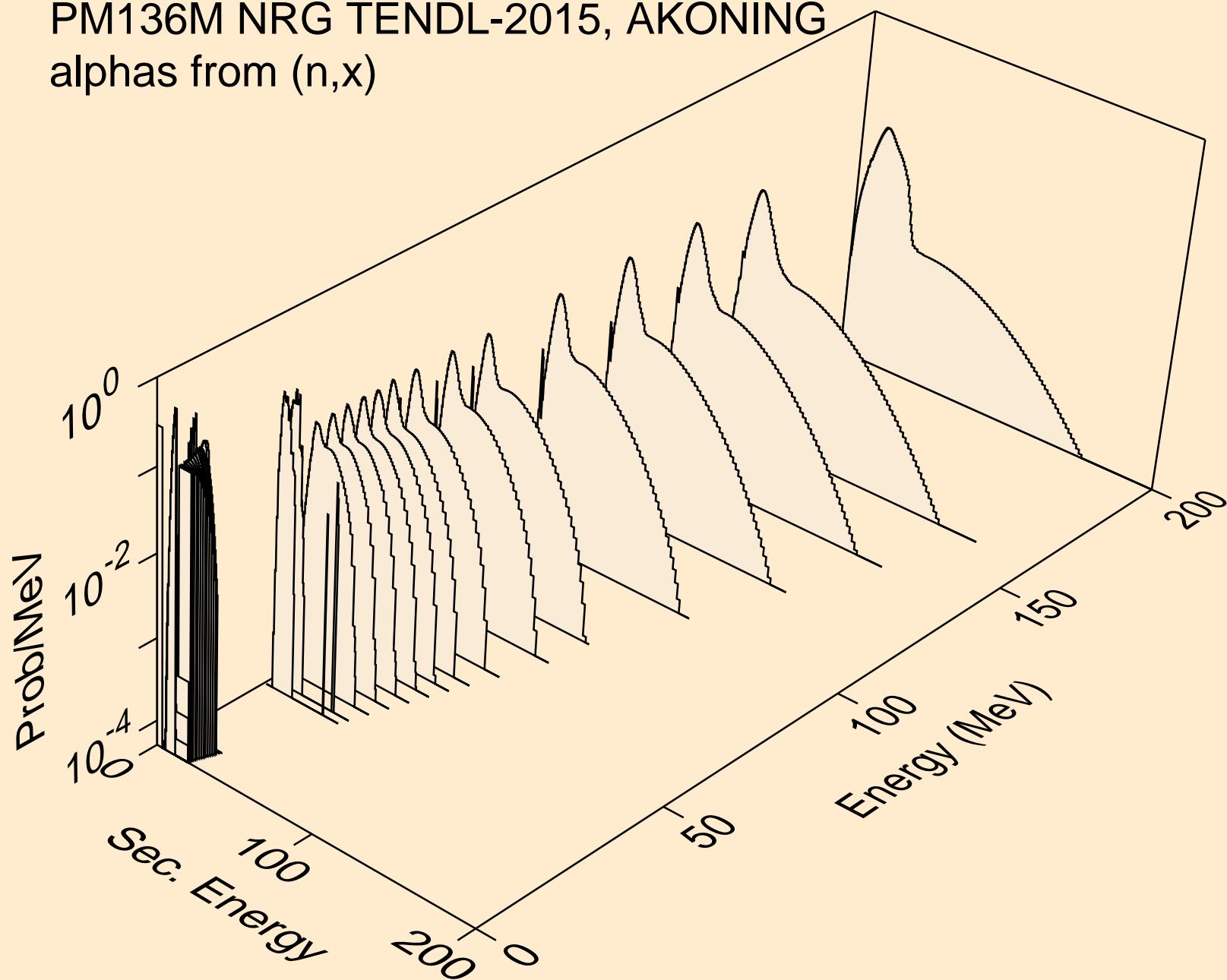
PM136M NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



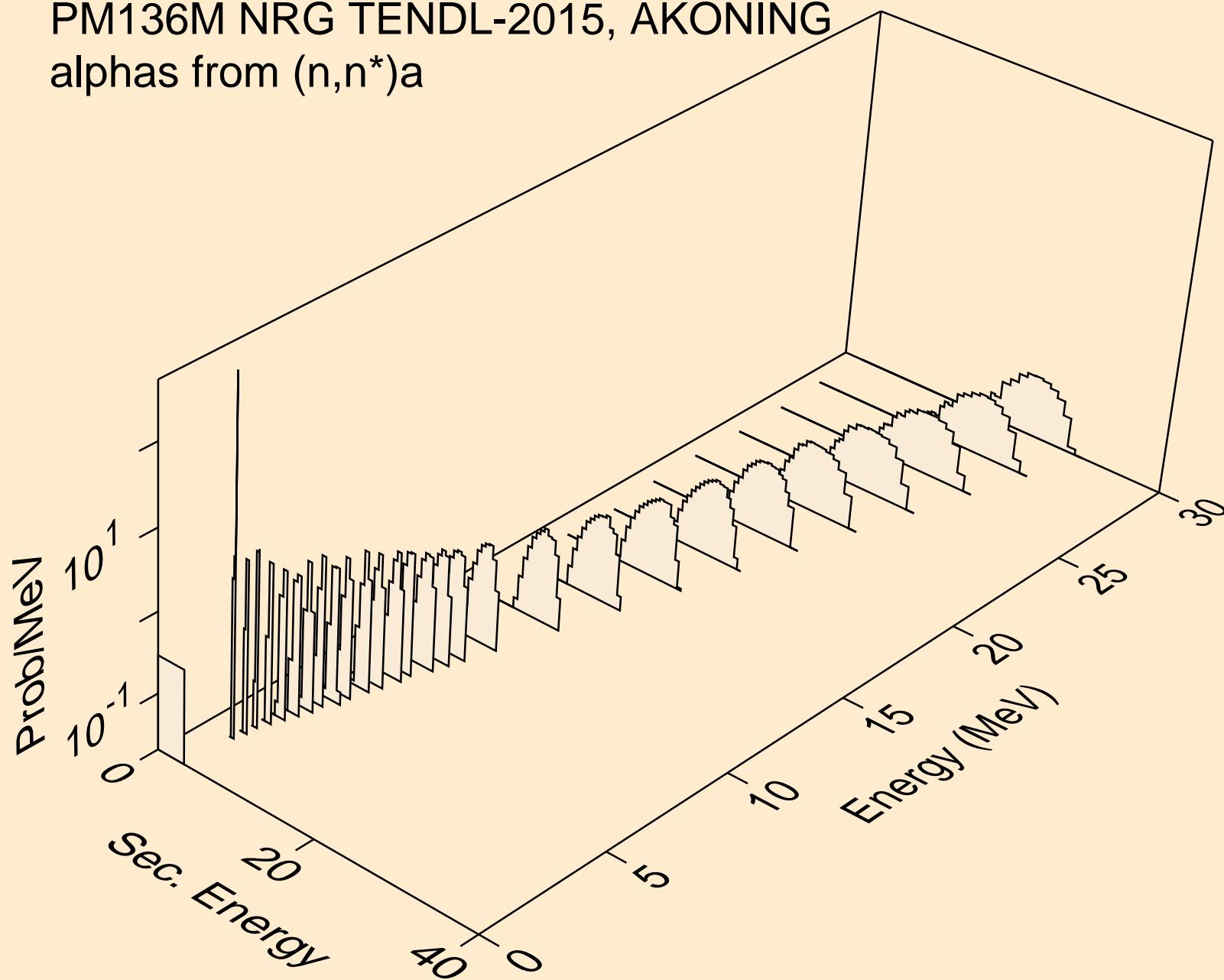
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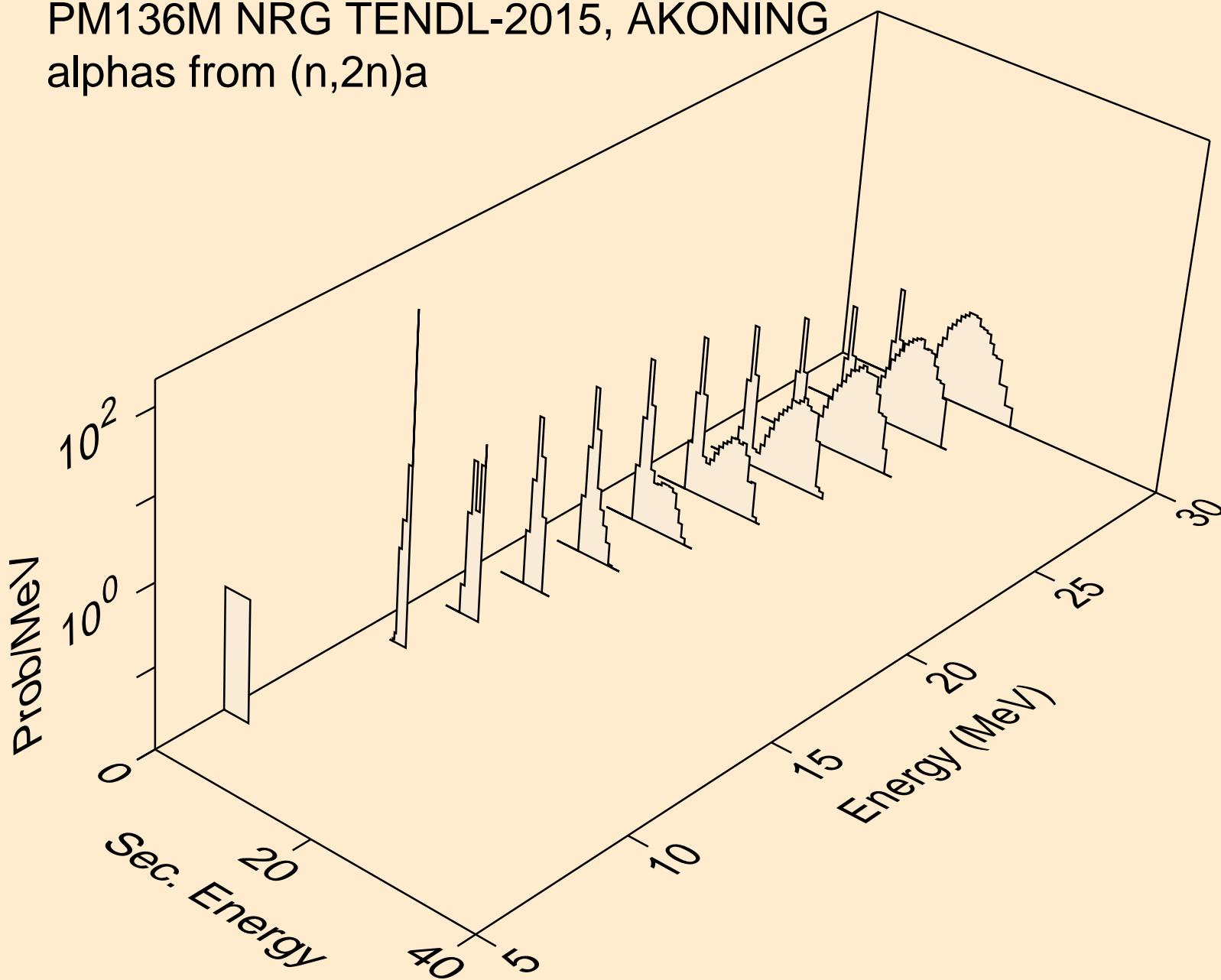
PM136M NRG TENDL-2015, AKONING  
alphas from (n,x)



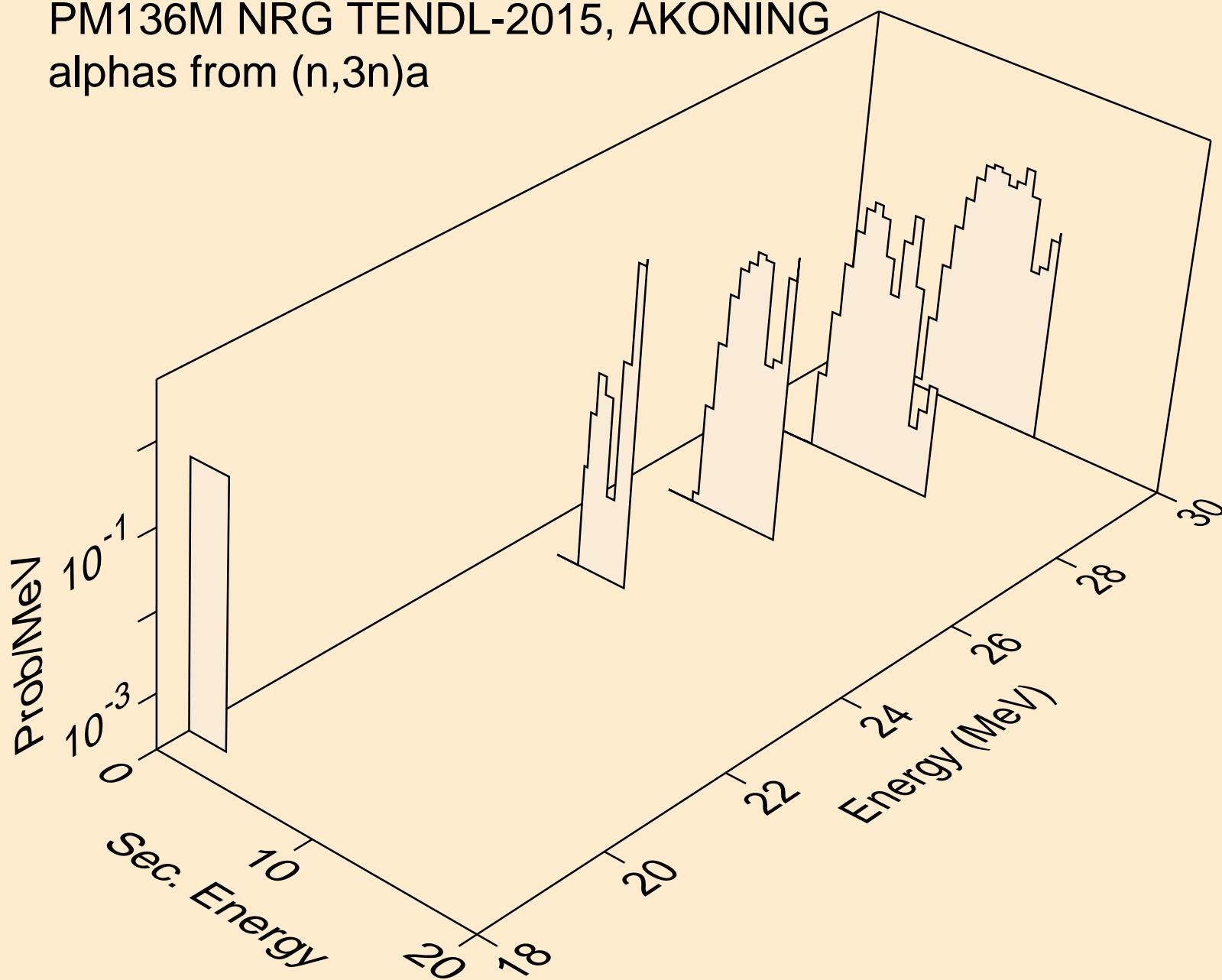
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alphas from  $(n,n^*)a$



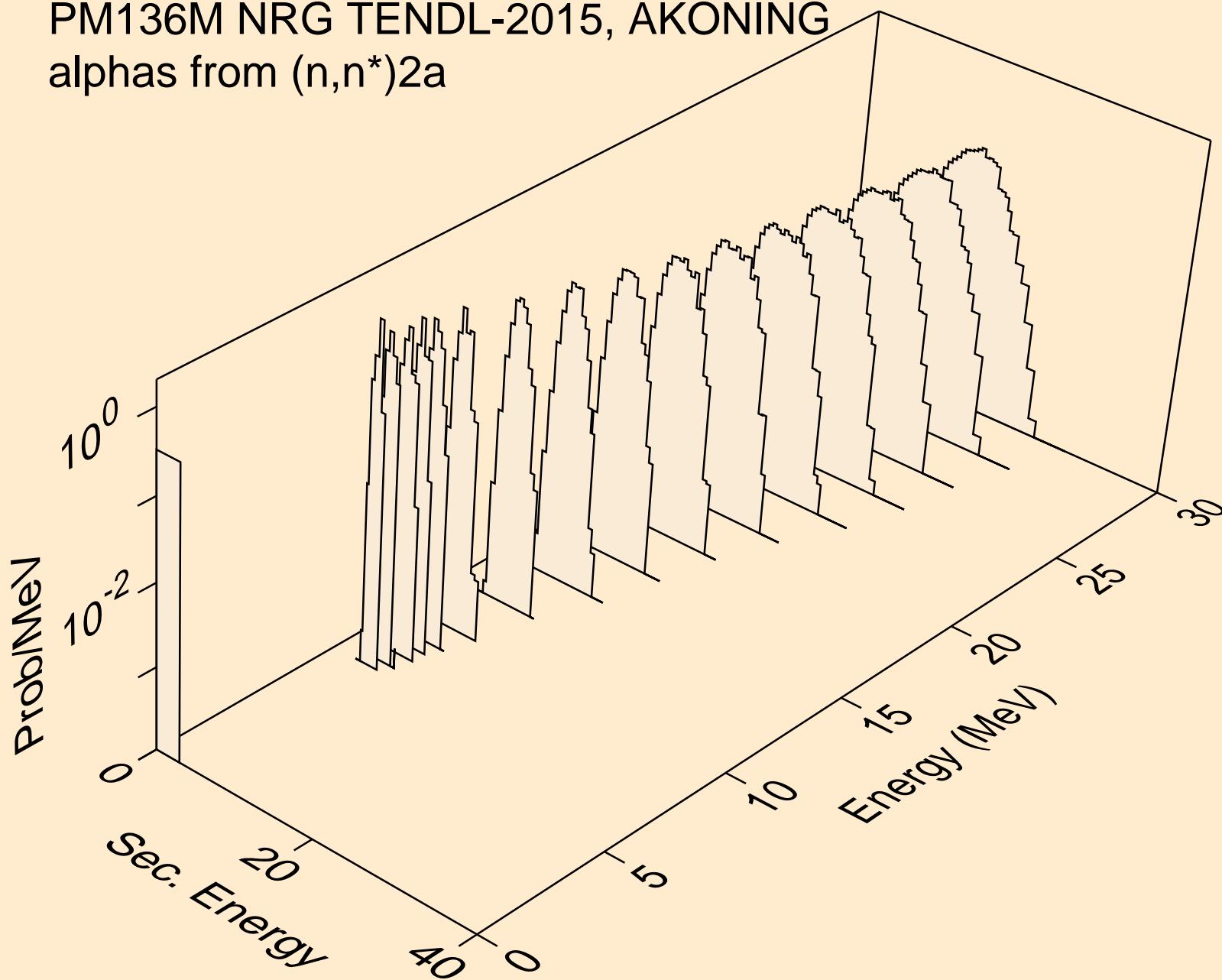
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alphas from  $(n,2n)a$



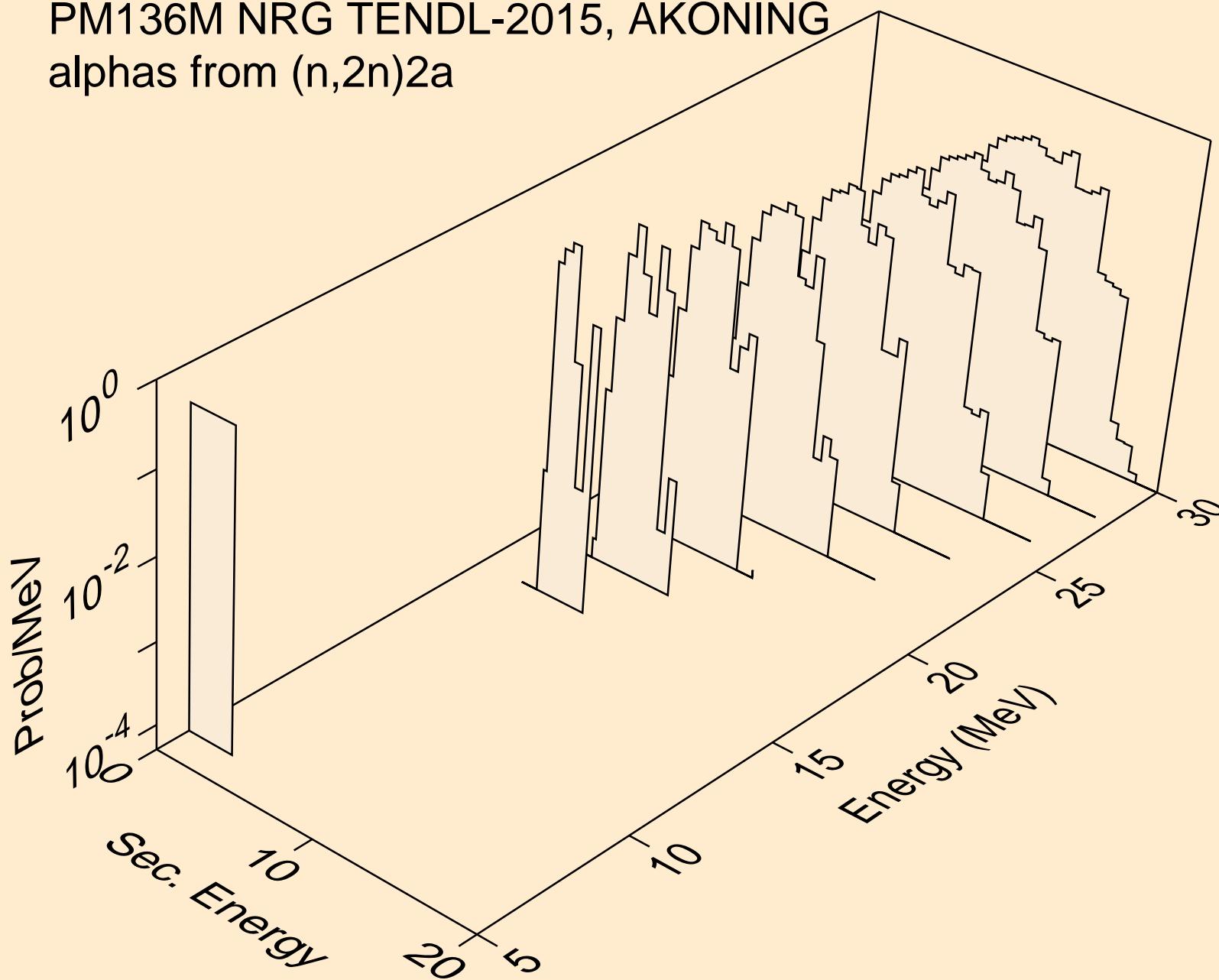
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alphas from ( $n,3n$ )a



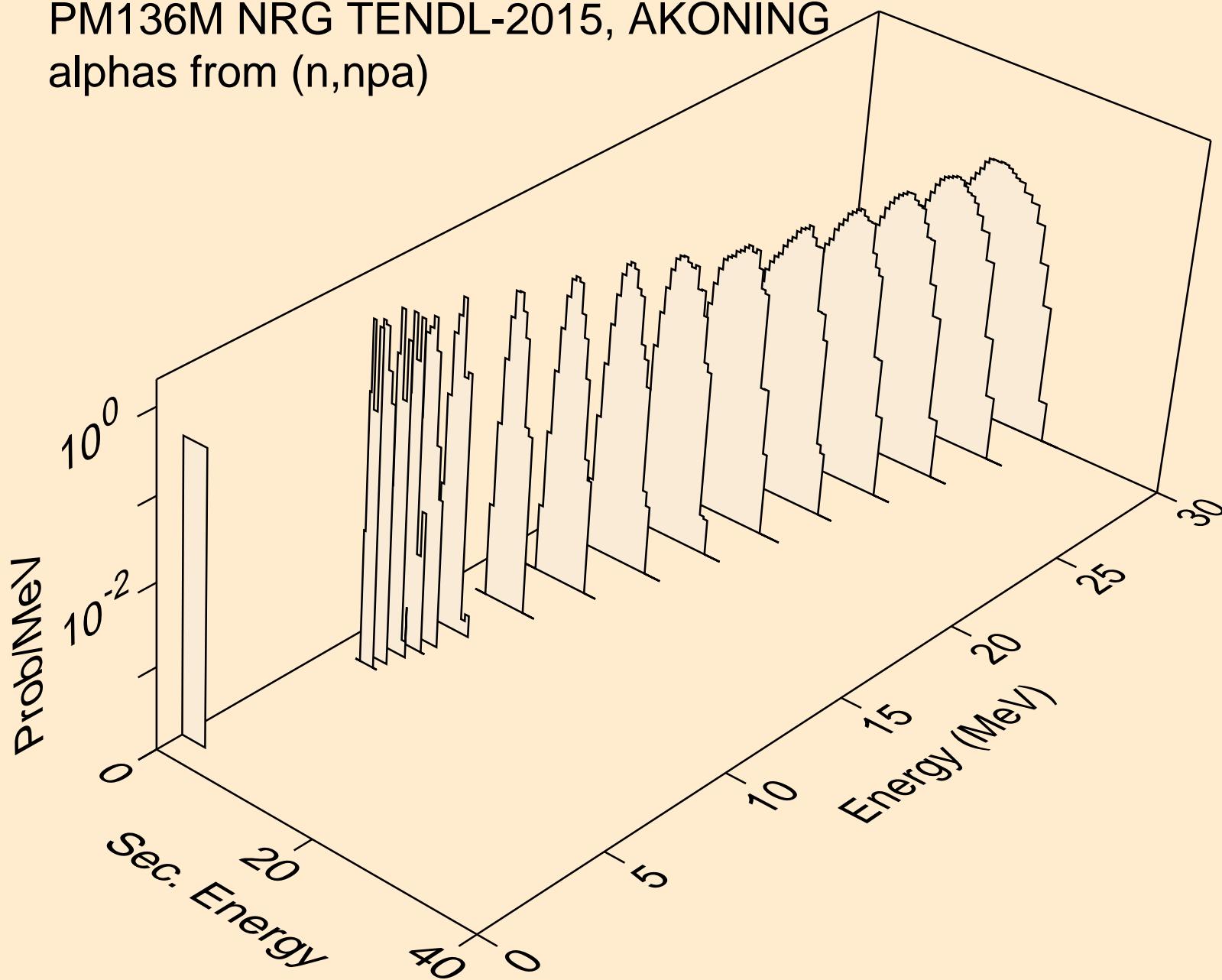
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alphas from  $(n,n^*)2a$



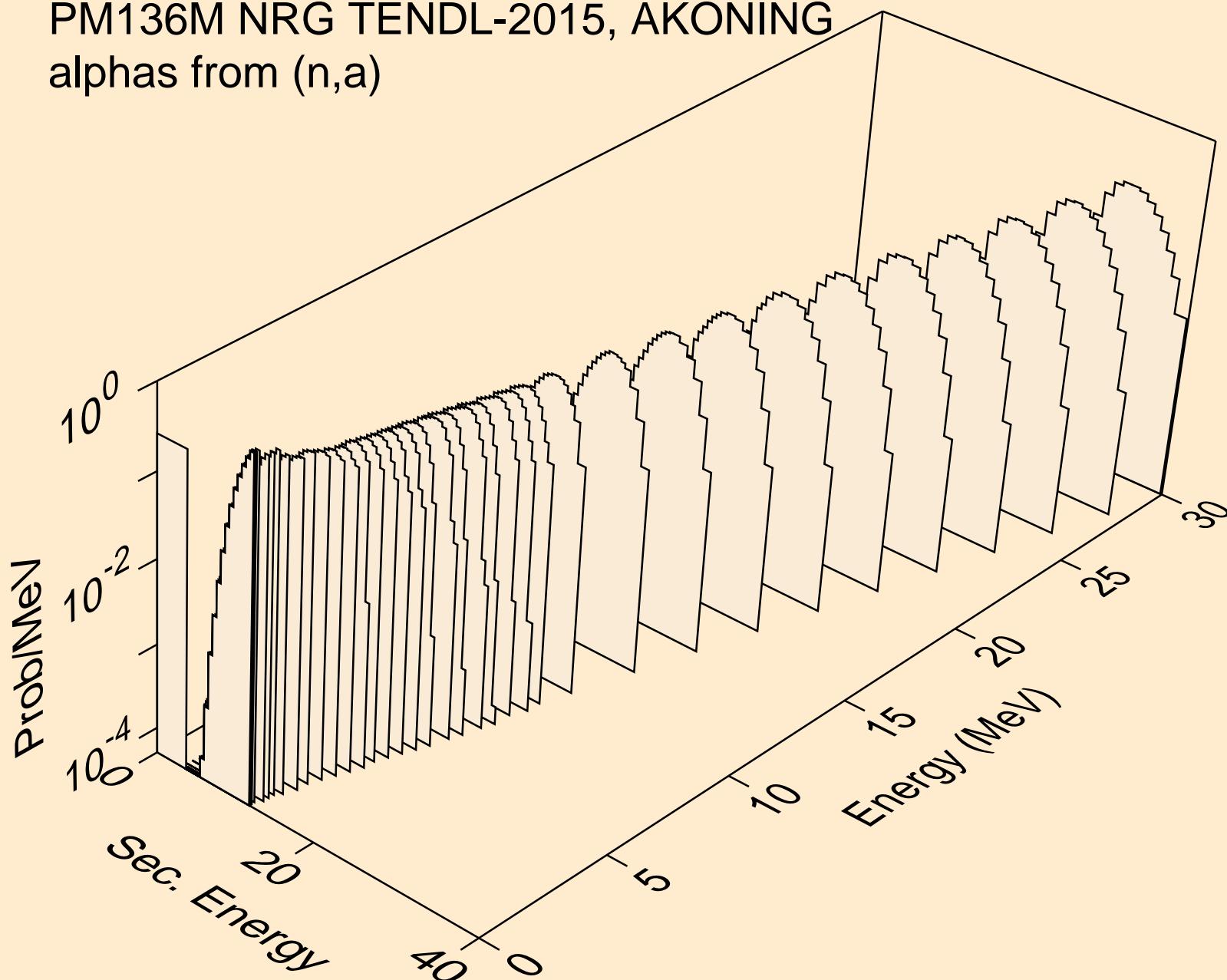
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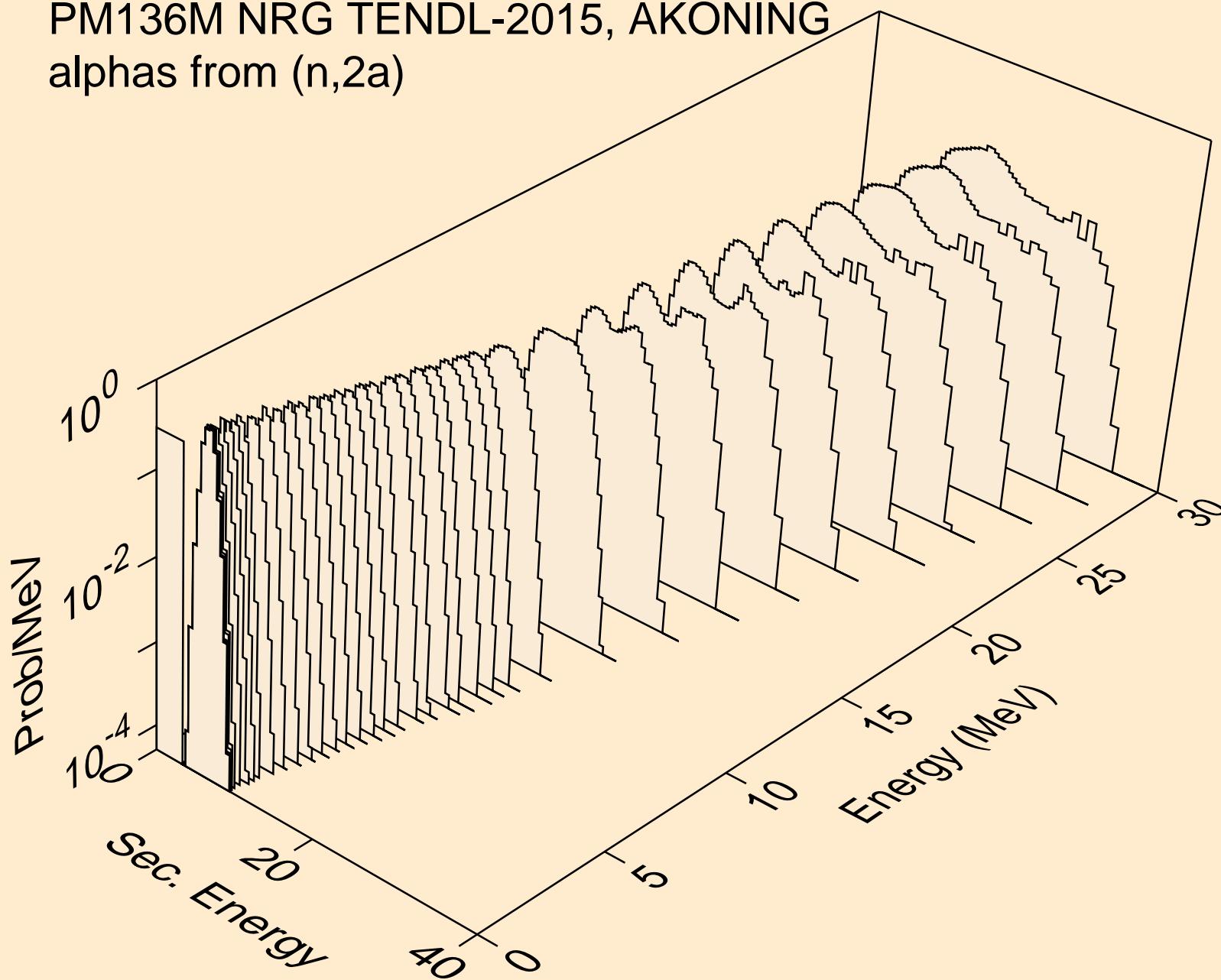
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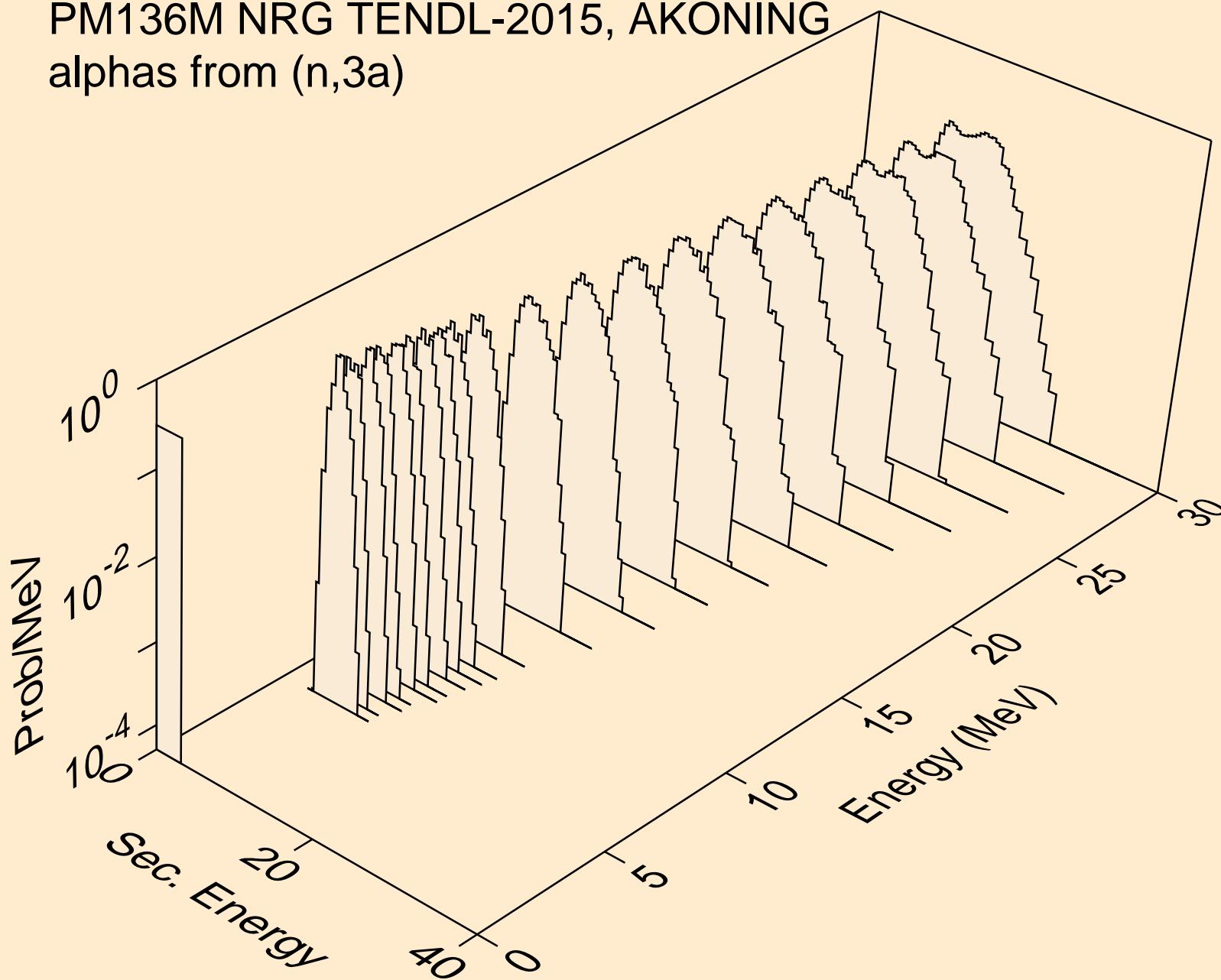
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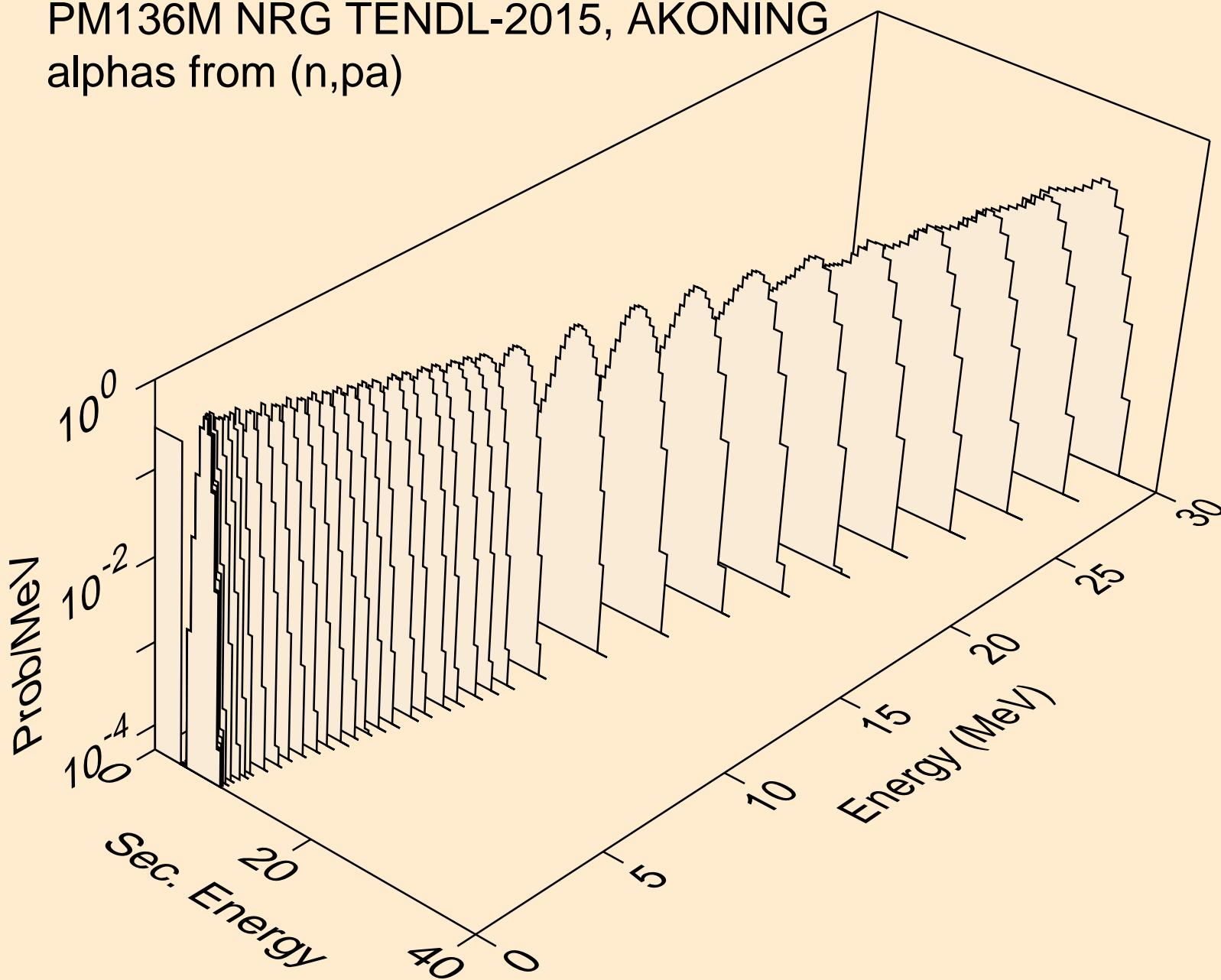
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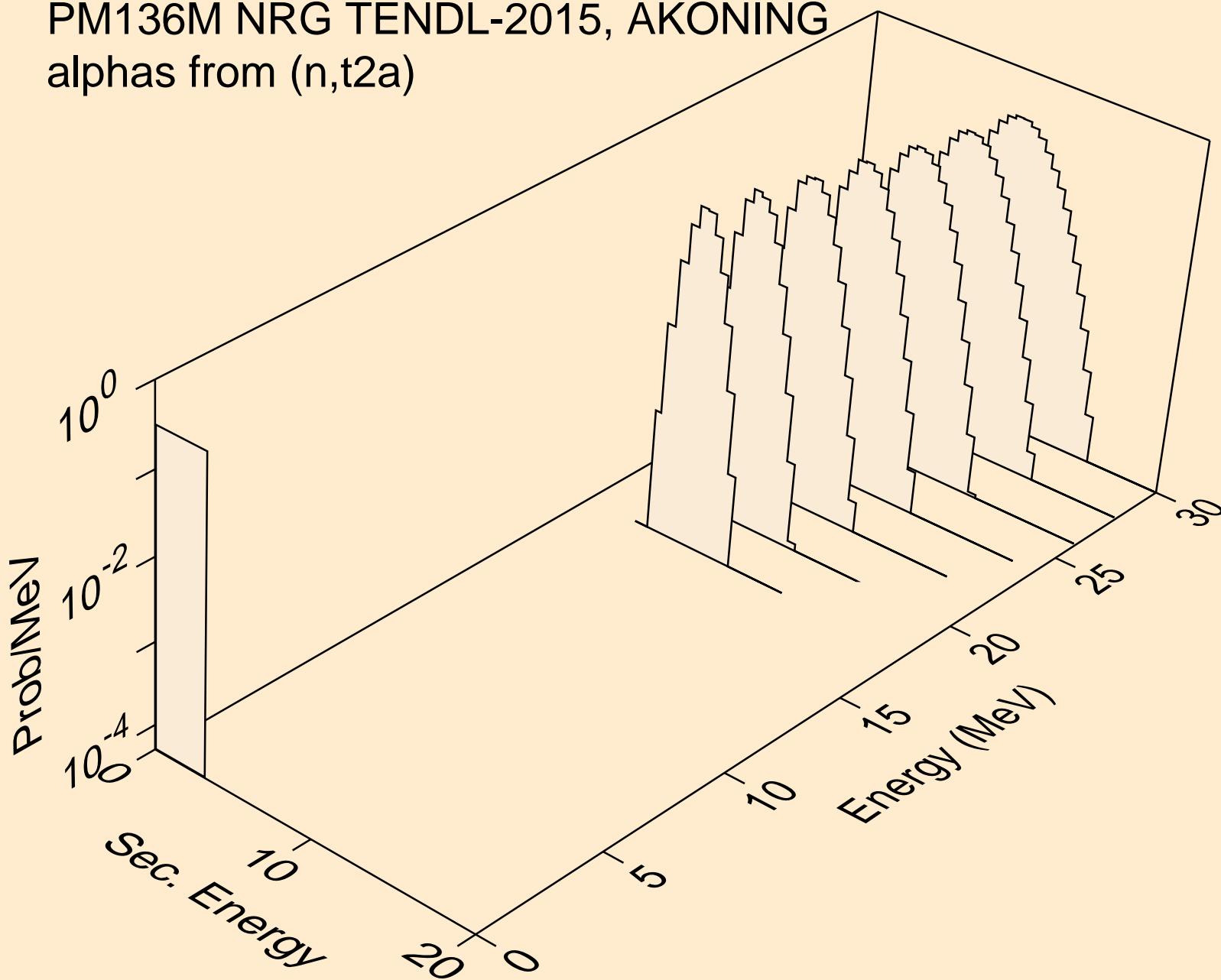
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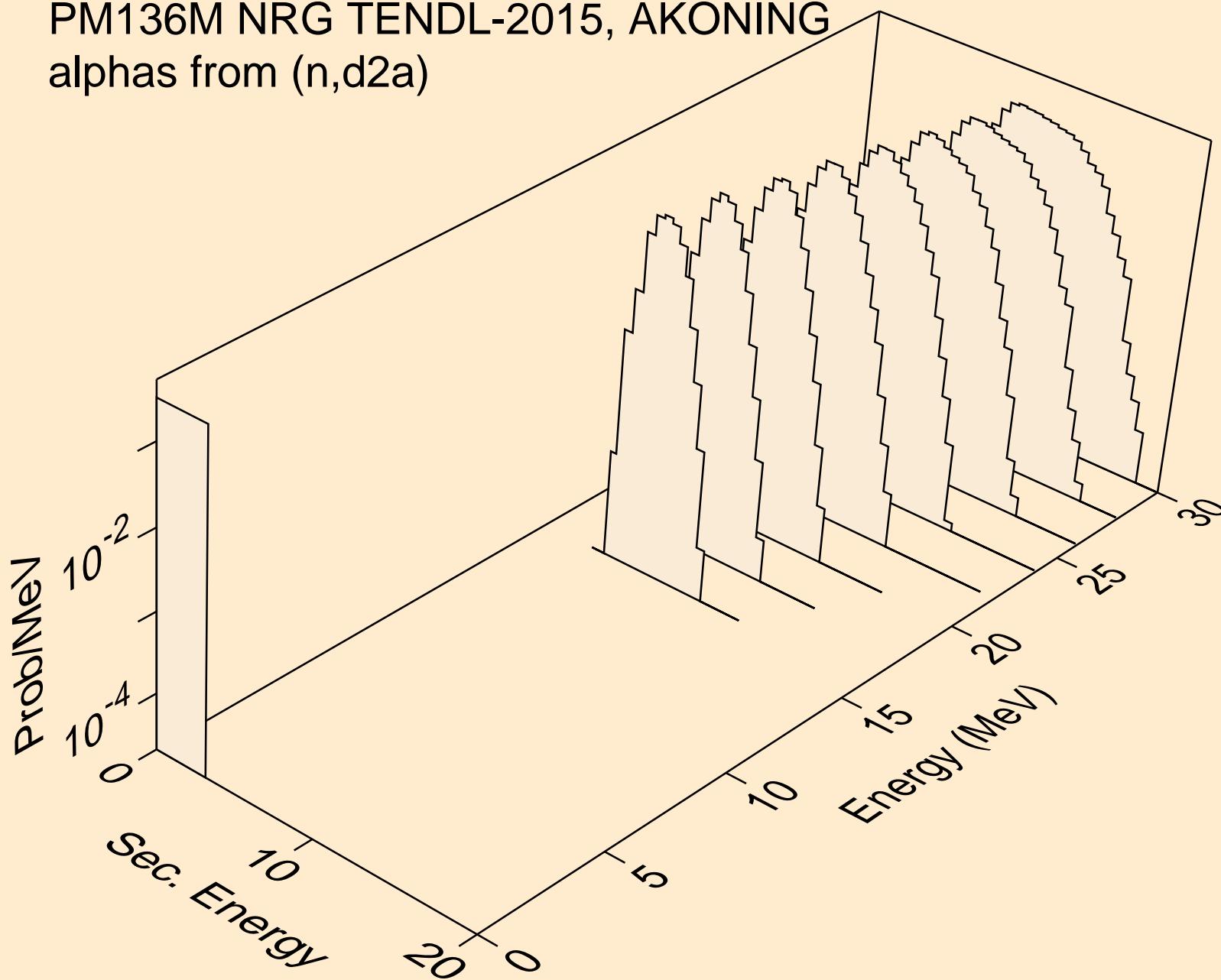
PM136M NRG TENDL-2015, AKONING  
alphas from (n,pa)



PM136M NRG TENDL-2015, AKONING  
alphas from (n,t2a)



PM136M NRG TENDL-2015, AKONING  
alphas from (n,d2a)



PM136M NRG TENDL-2015, AKONING  
alphas from (n,da)

