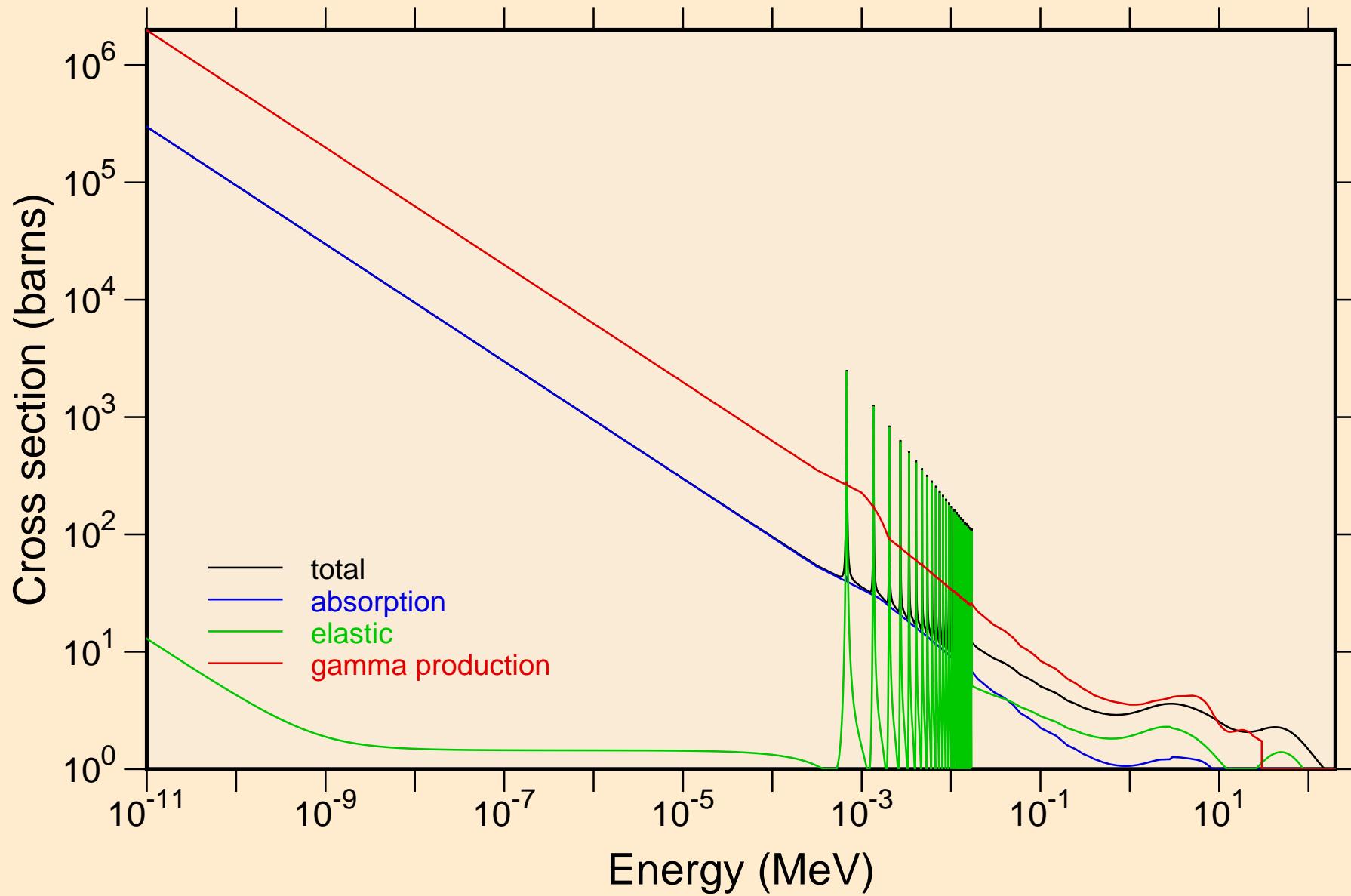
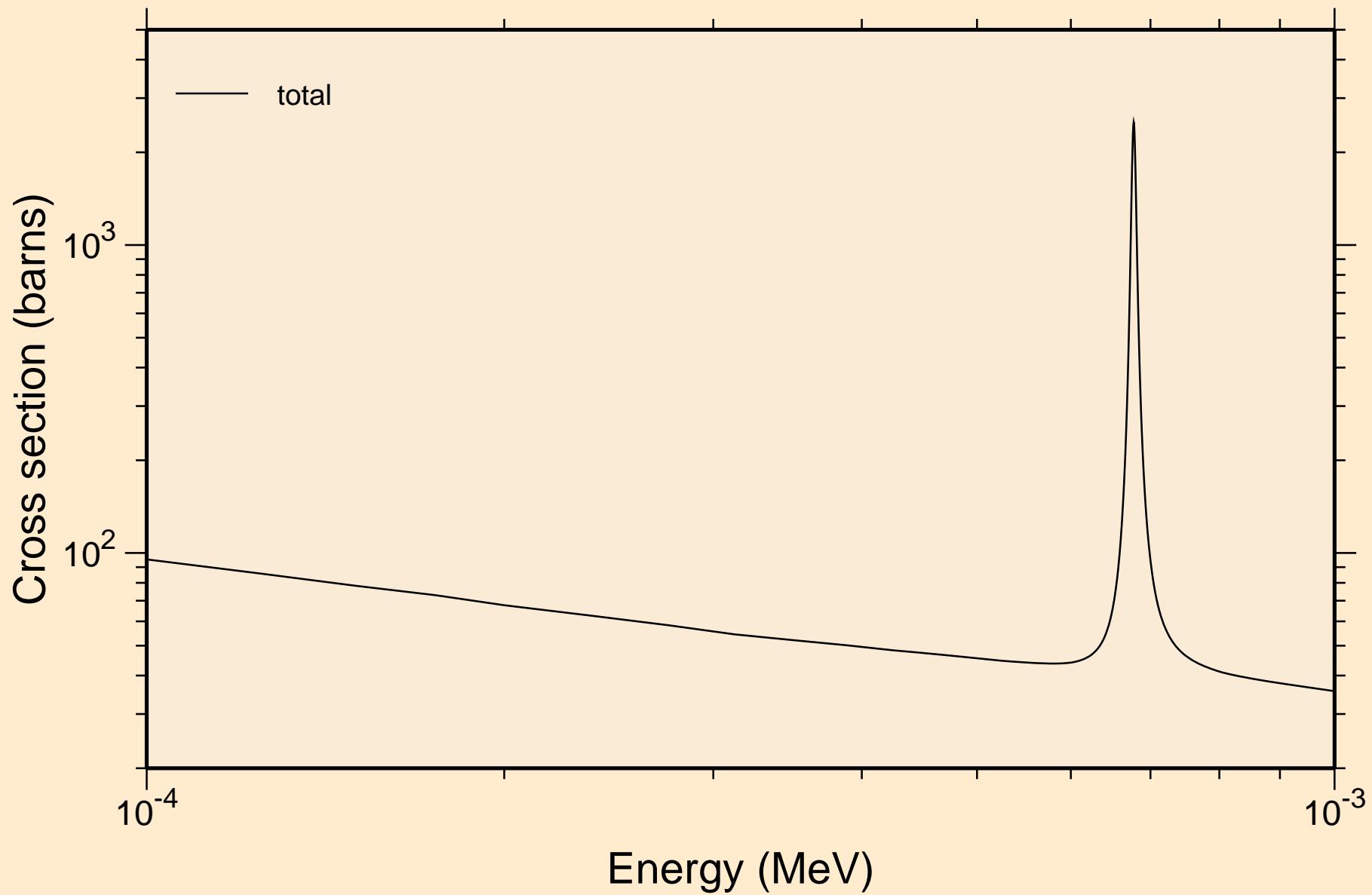


# SC042M NRG TENDL-2015, AKONING

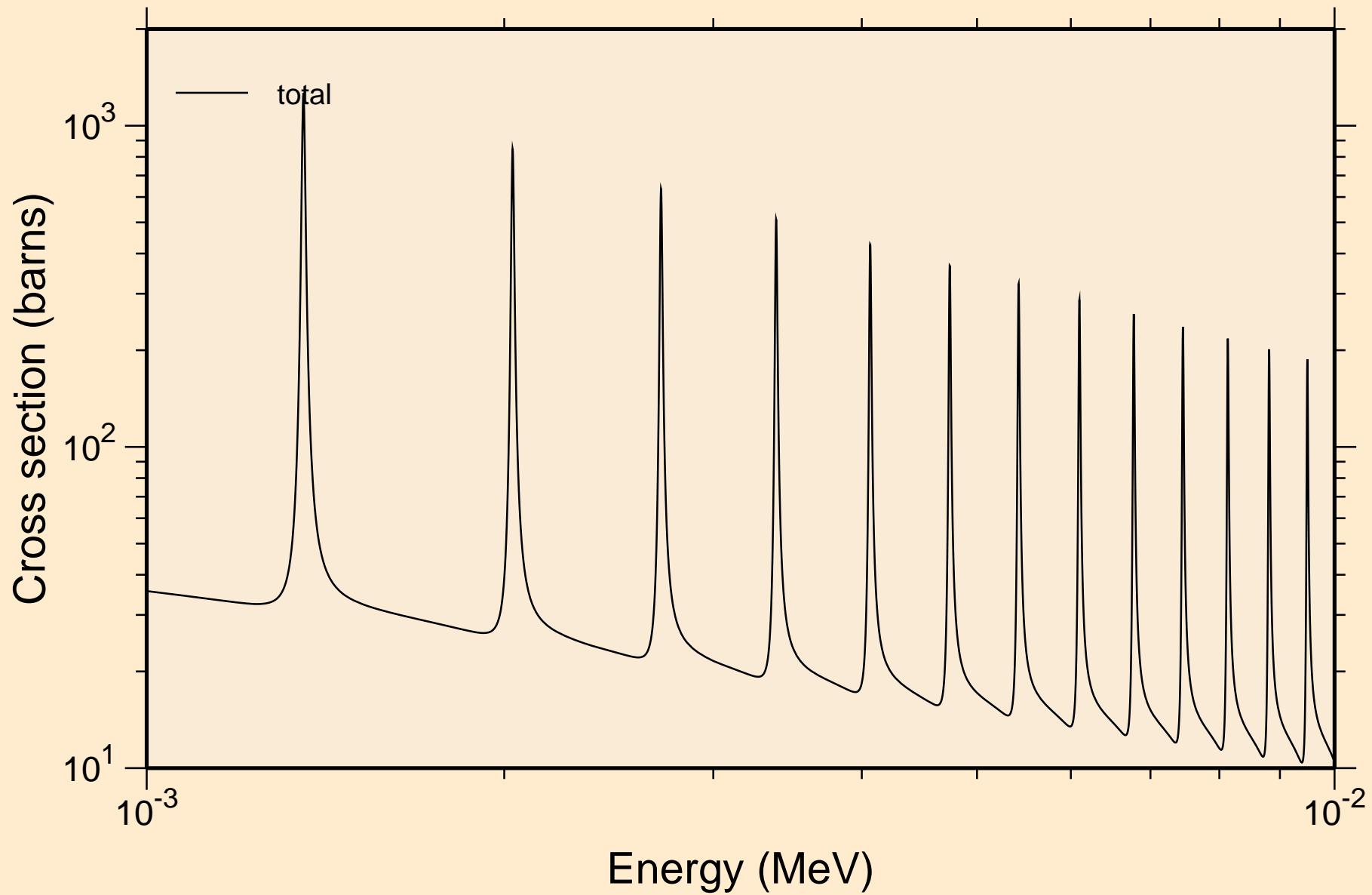
## Principal cross sections



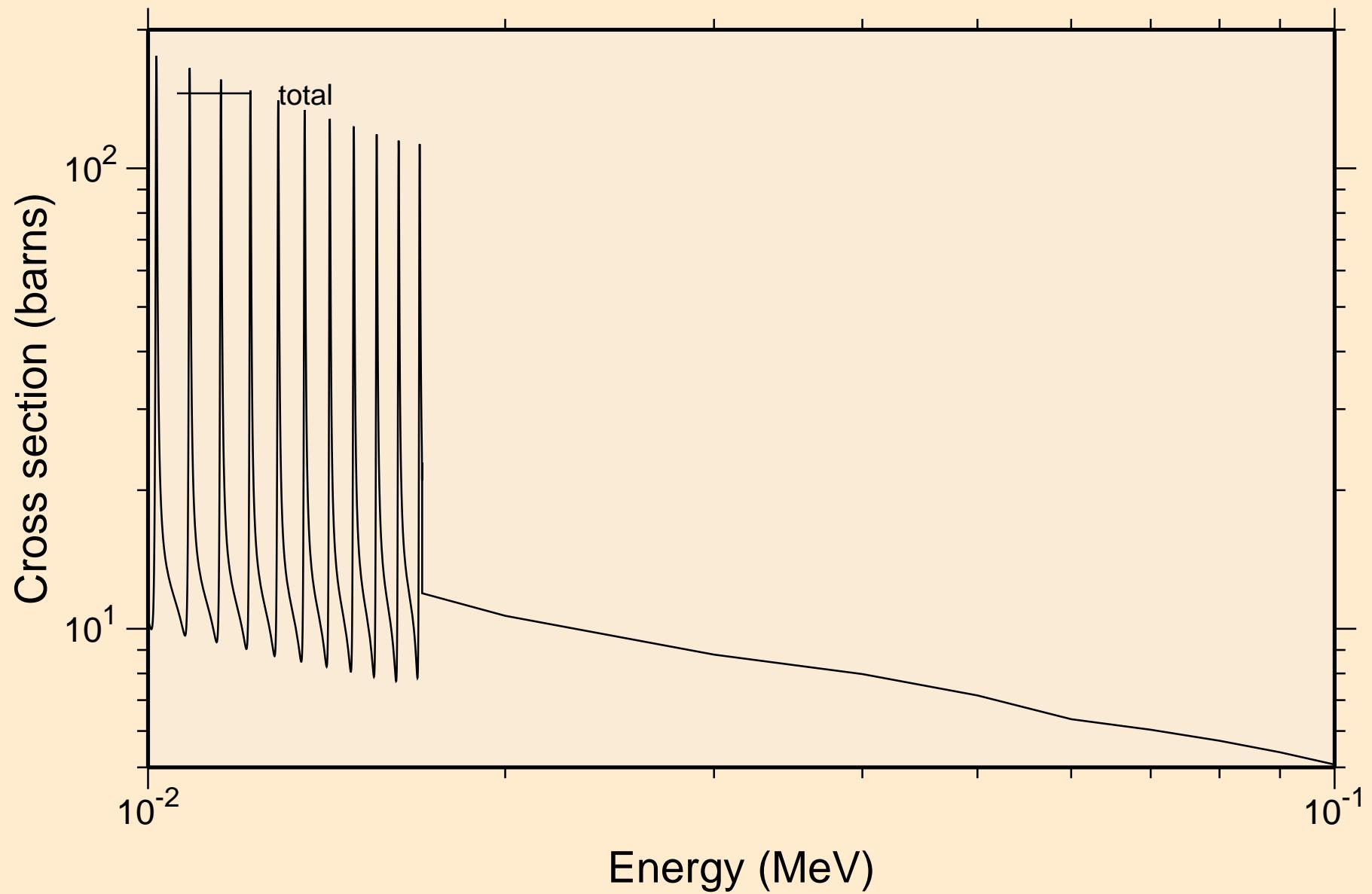
SC042M NRG TENDL-2015, AKONING  
resonance total cross section



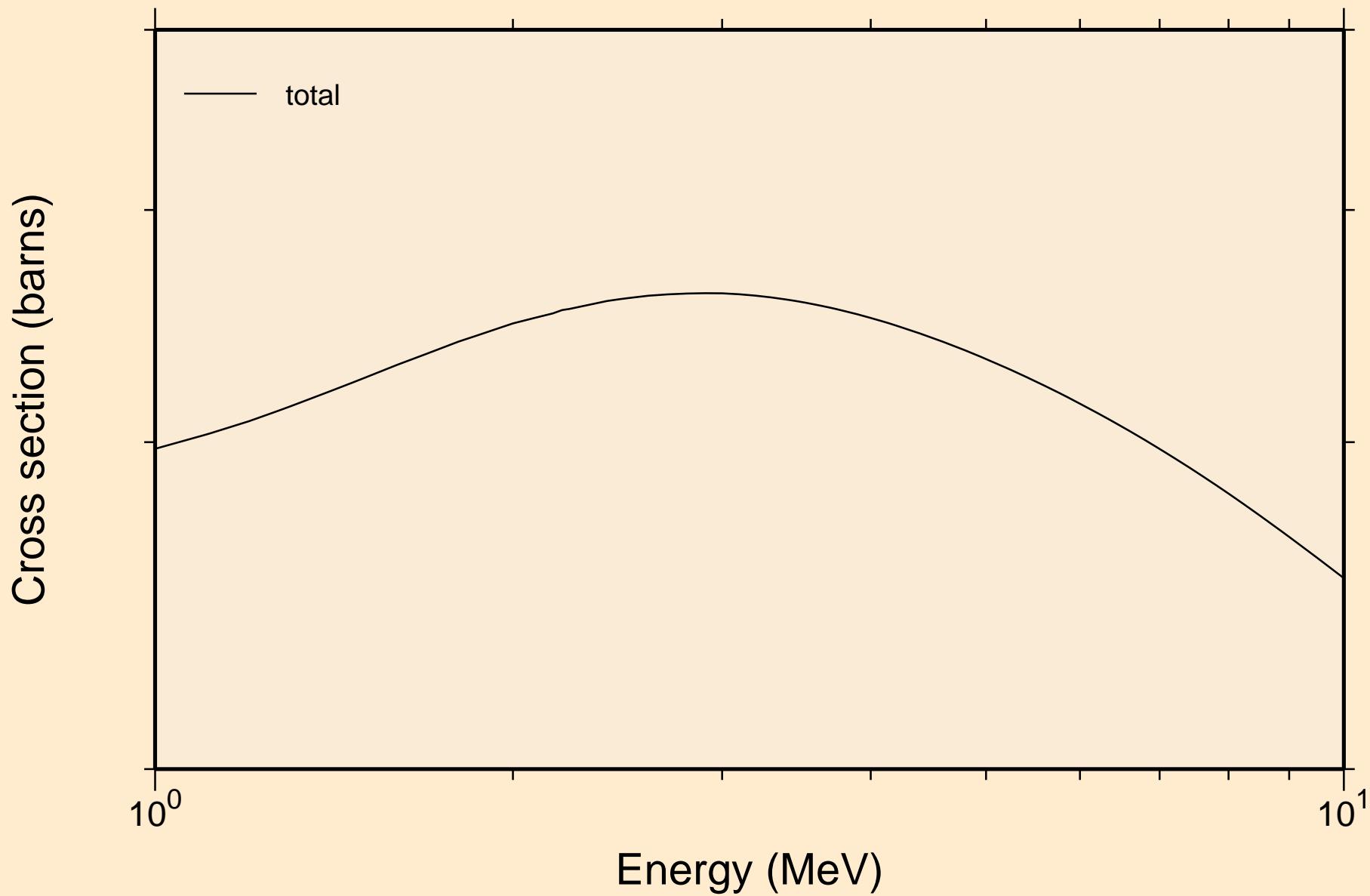
SC042M NRG TENDL-2015, AKONING  
resonance total cross section



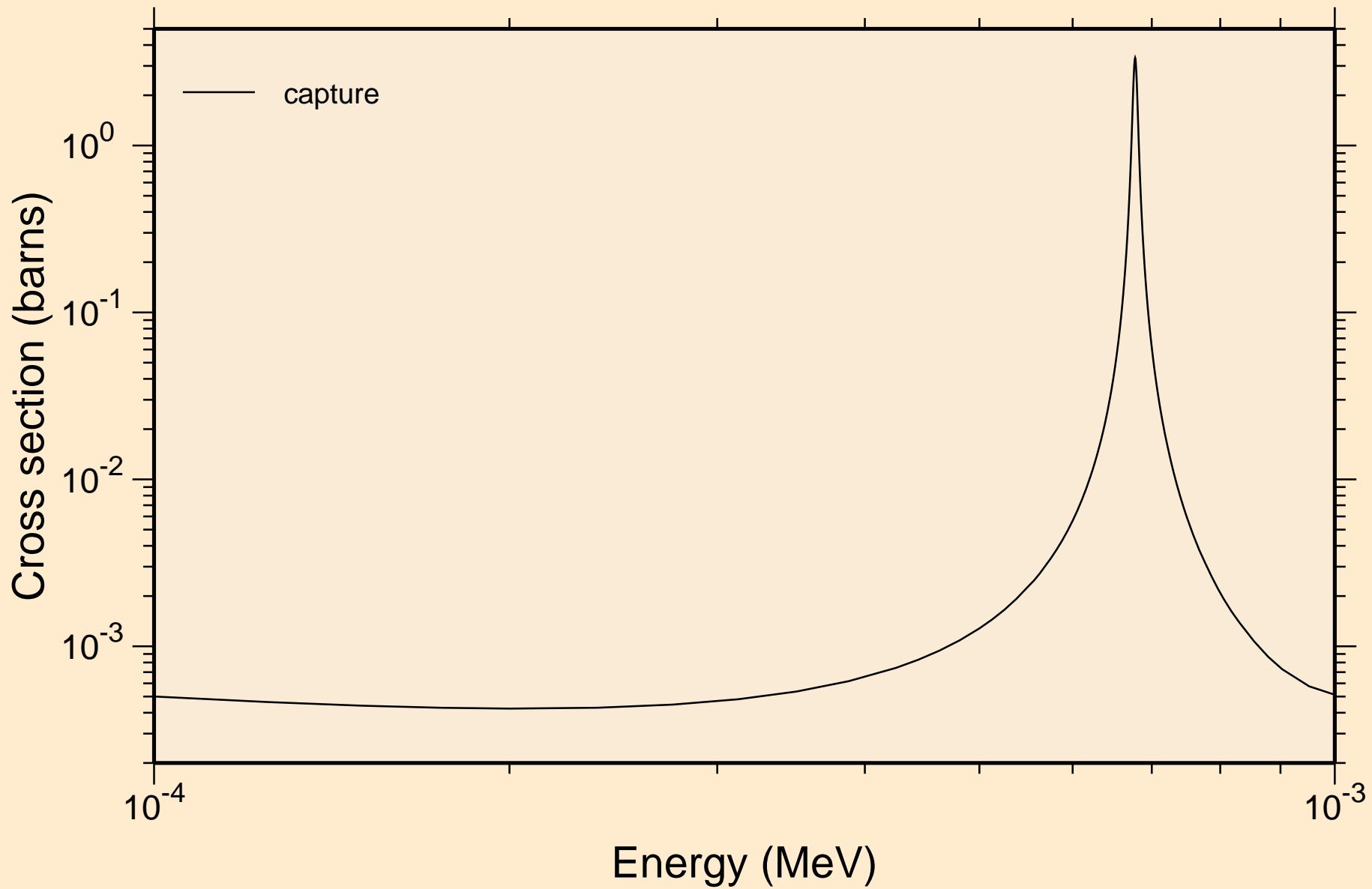
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resonance total cross section



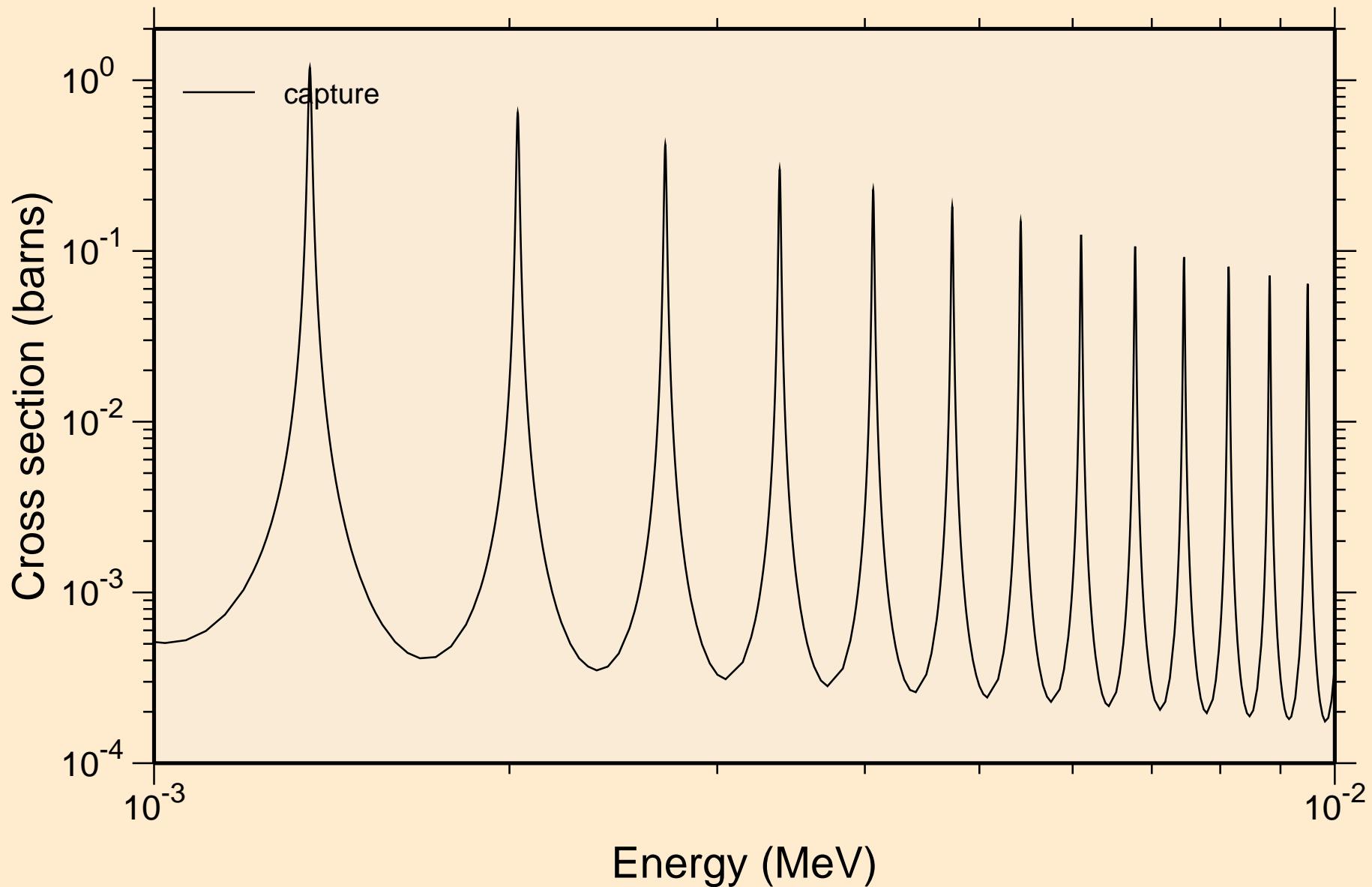
SC042M NRG TENDL-2015, AKONING  
resonance total cross section



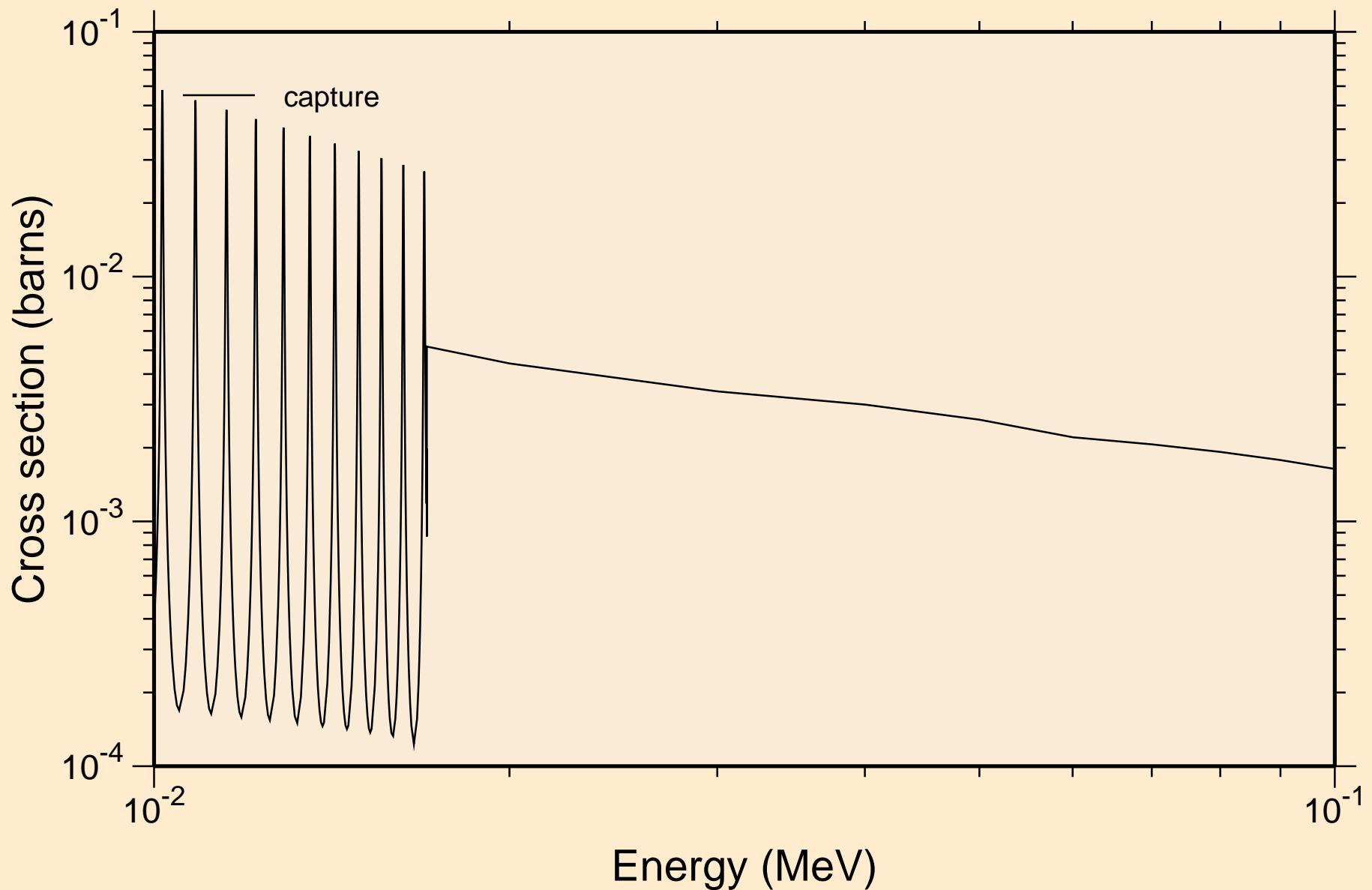
SC042M NRG TENDL-2015, AKONING  
resonance absorption cross sections



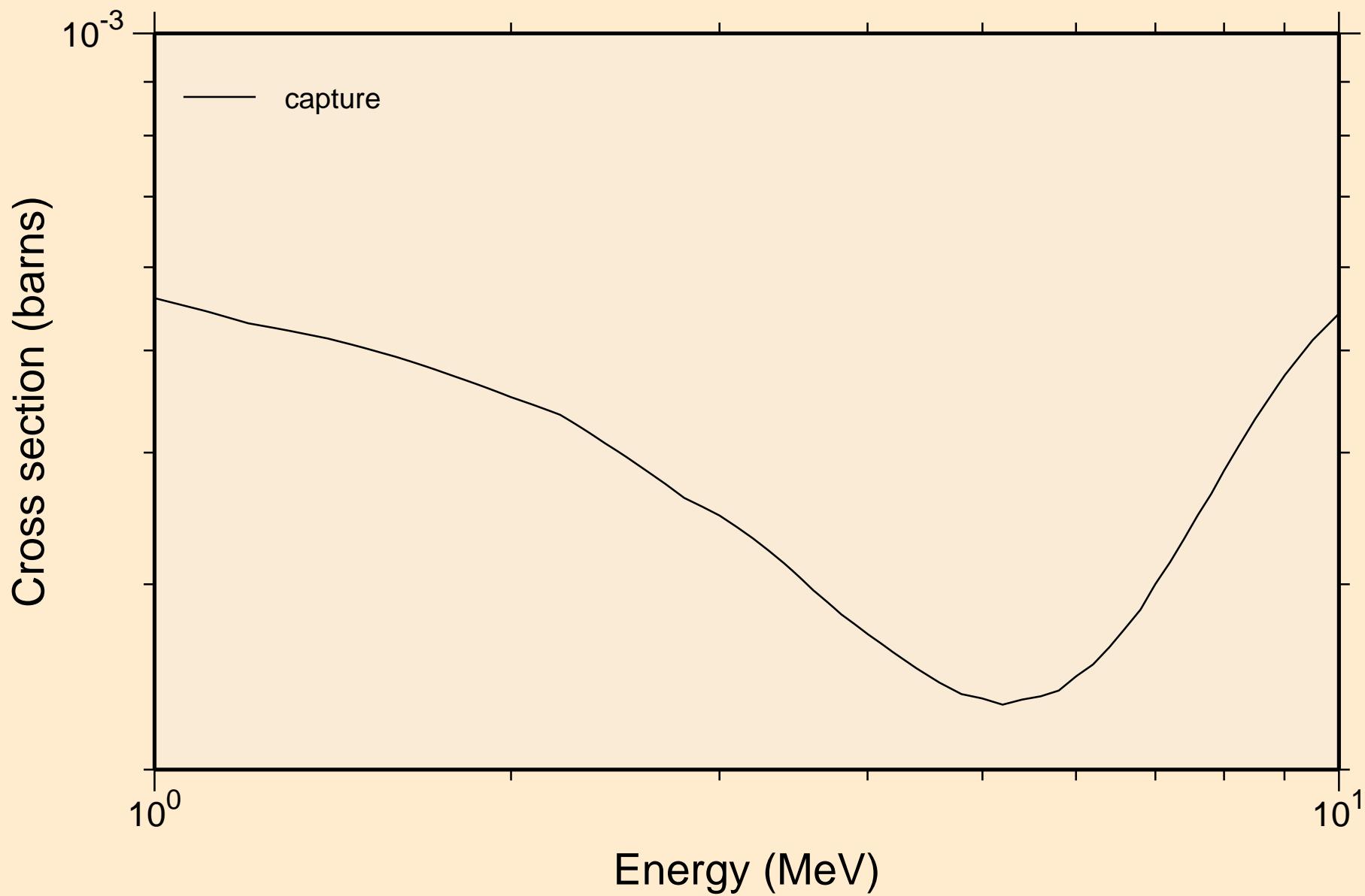
# SC042M NRG TENDL-2015, AKONING resonance absorption cross sections



SC042M NRG TENDL-2015, AKONING  
resonance absorption cross sections

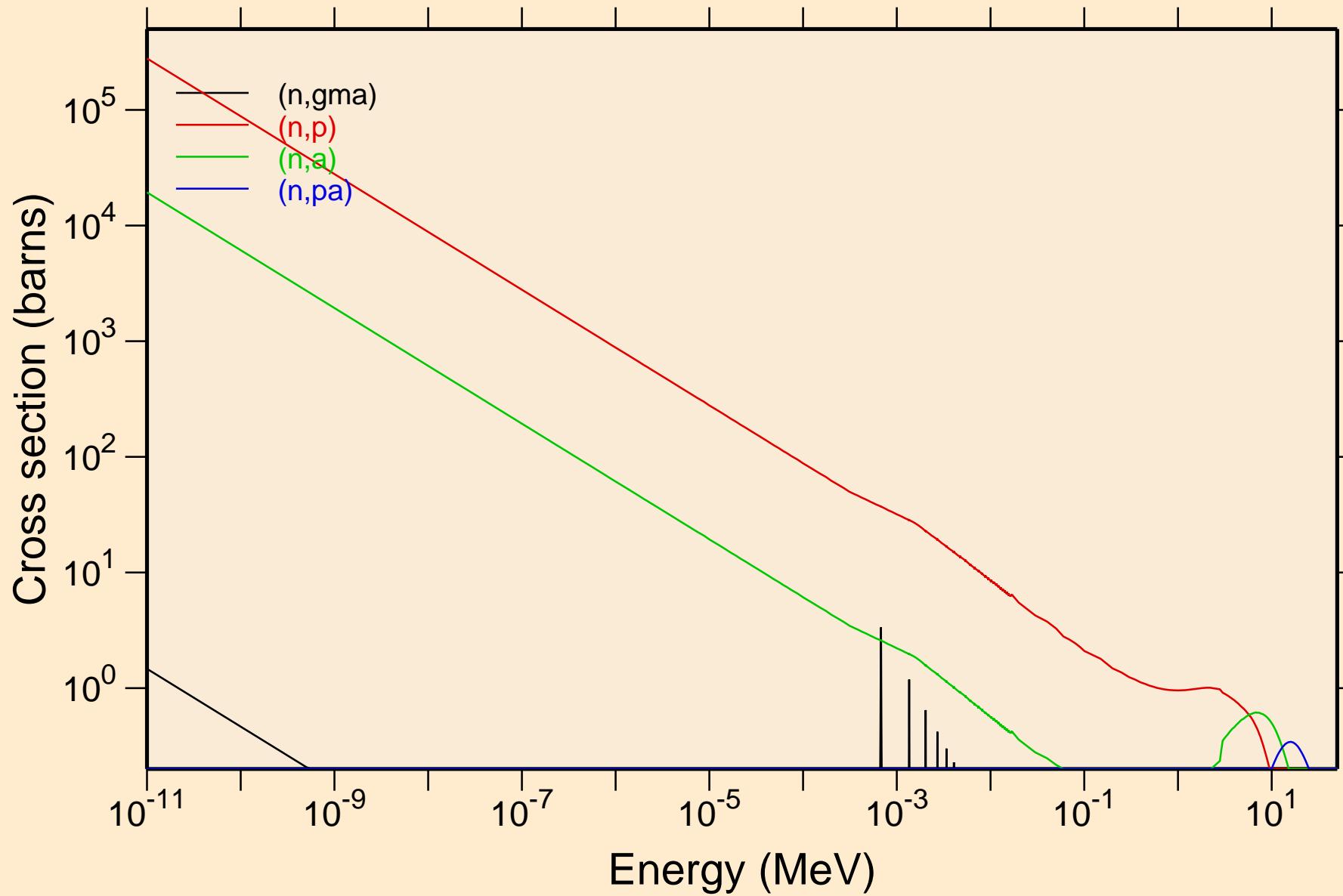


SC042M NRG TENDL-2015, AKONING  
resonance absorption cross sections



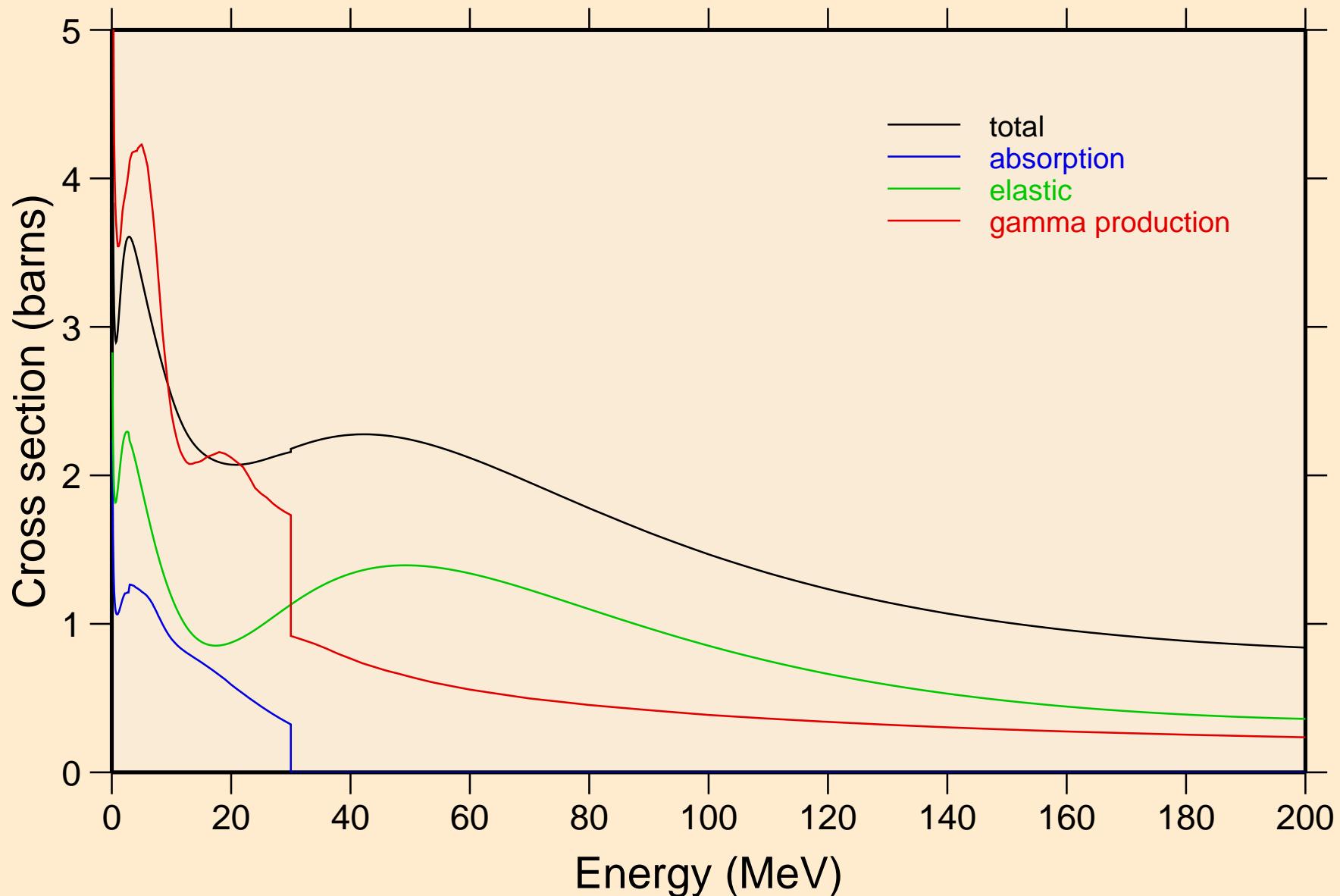
# SC042M NRG TENDL-2015, AKONING

## Non-threshold reactions



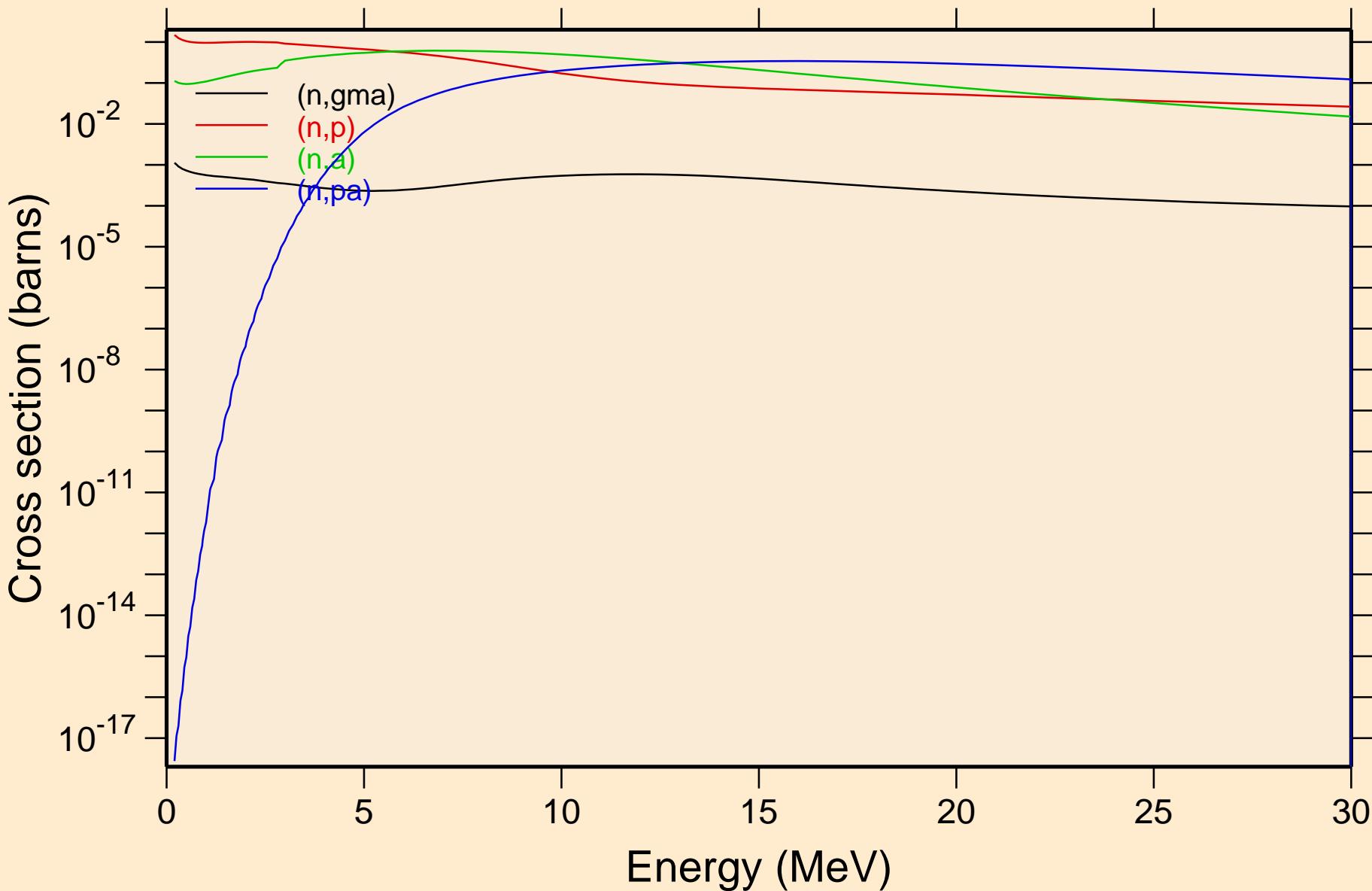
# SC042M NRG TENDL-2015, AKONING

## Principal cross sections



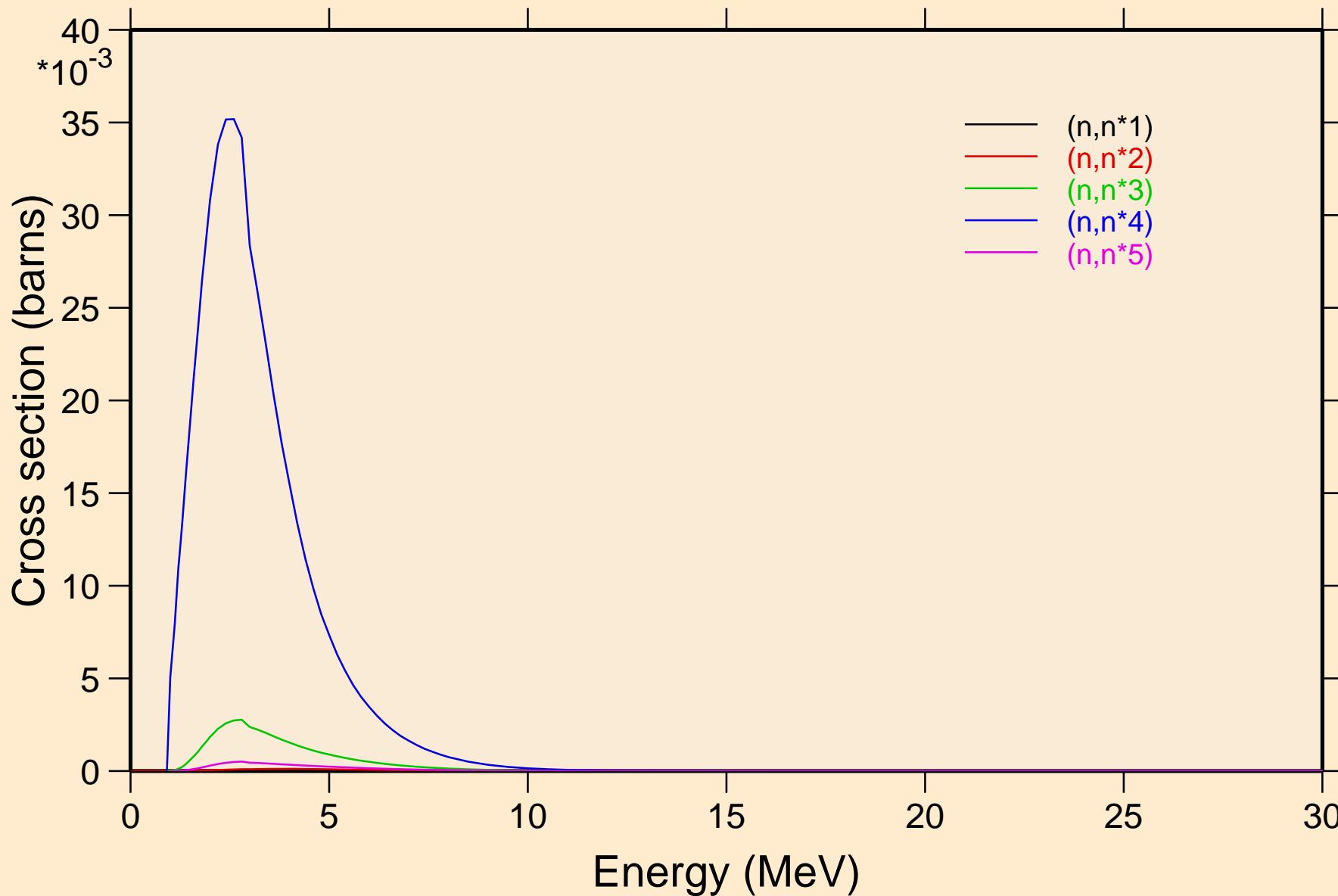
# SC042M NRG TENDL-2015, AKONING

## Non-threshold reactions



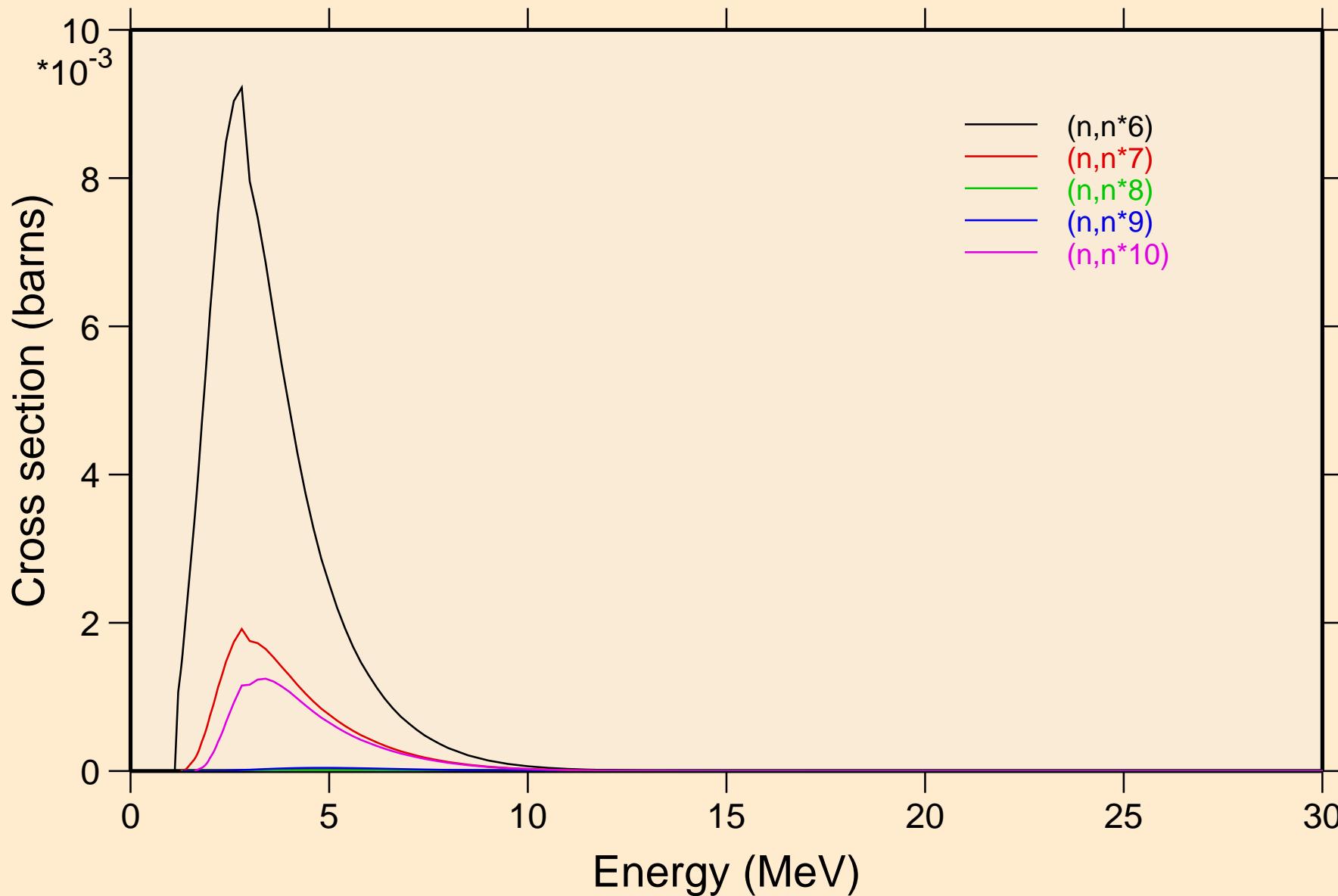
# SC042M NRG TENDL-2015, AKONING

## Inelastic levels



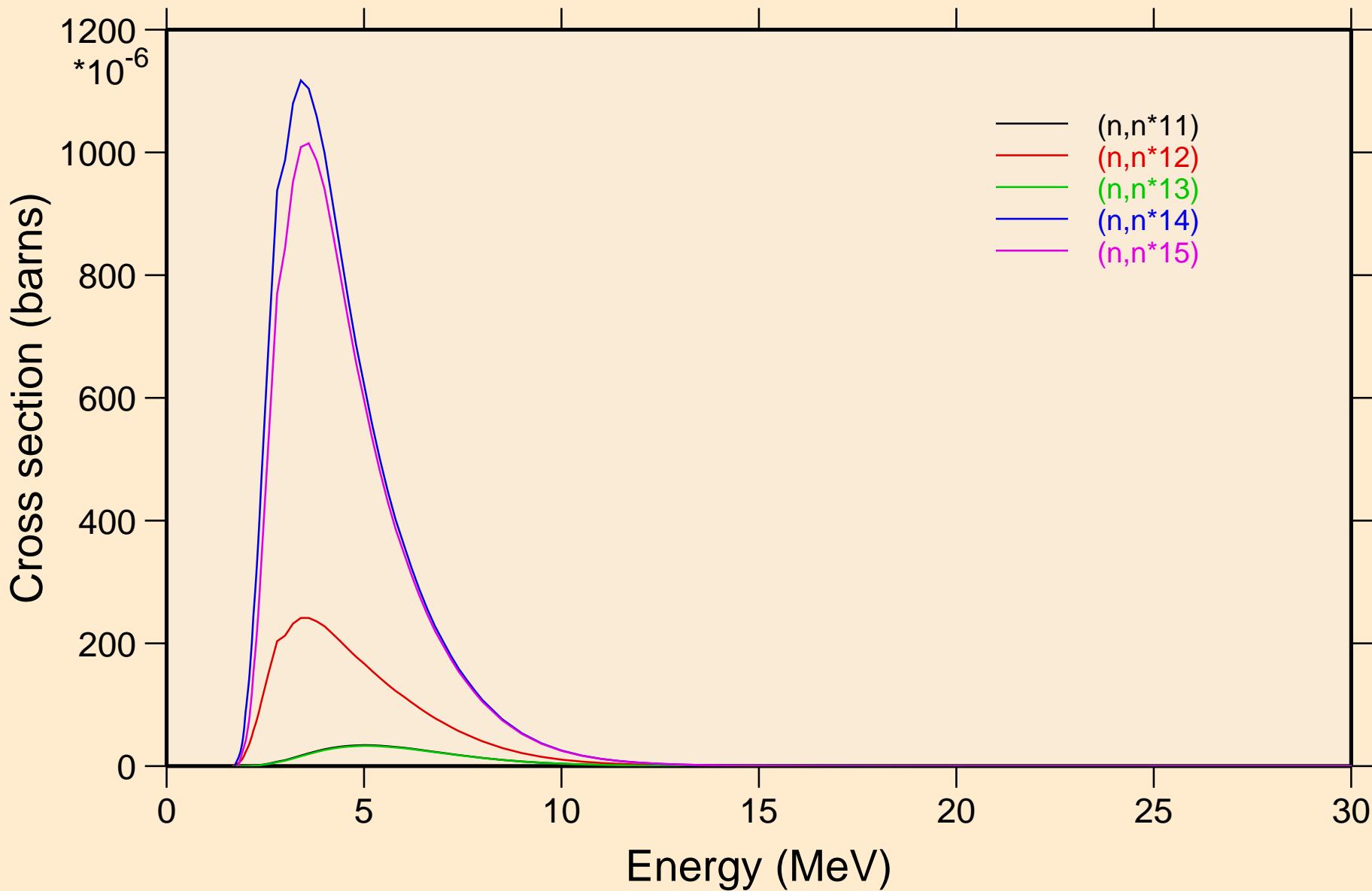
# SC042M NRG TENDL-2015, AKONING

## Inelastic levels



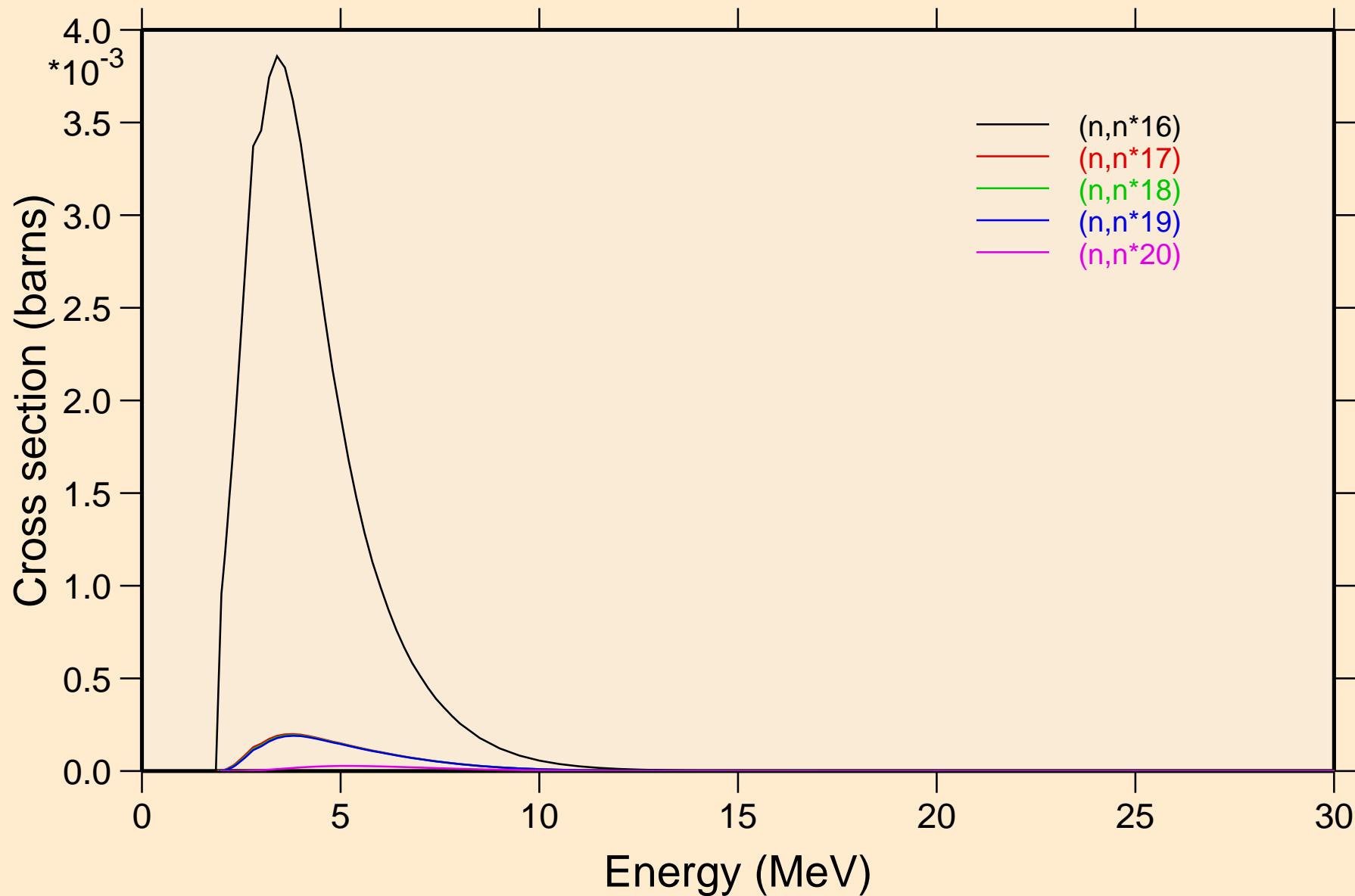
# SC042M NRG TENDL-2015, AKONING

## Inelastic levels



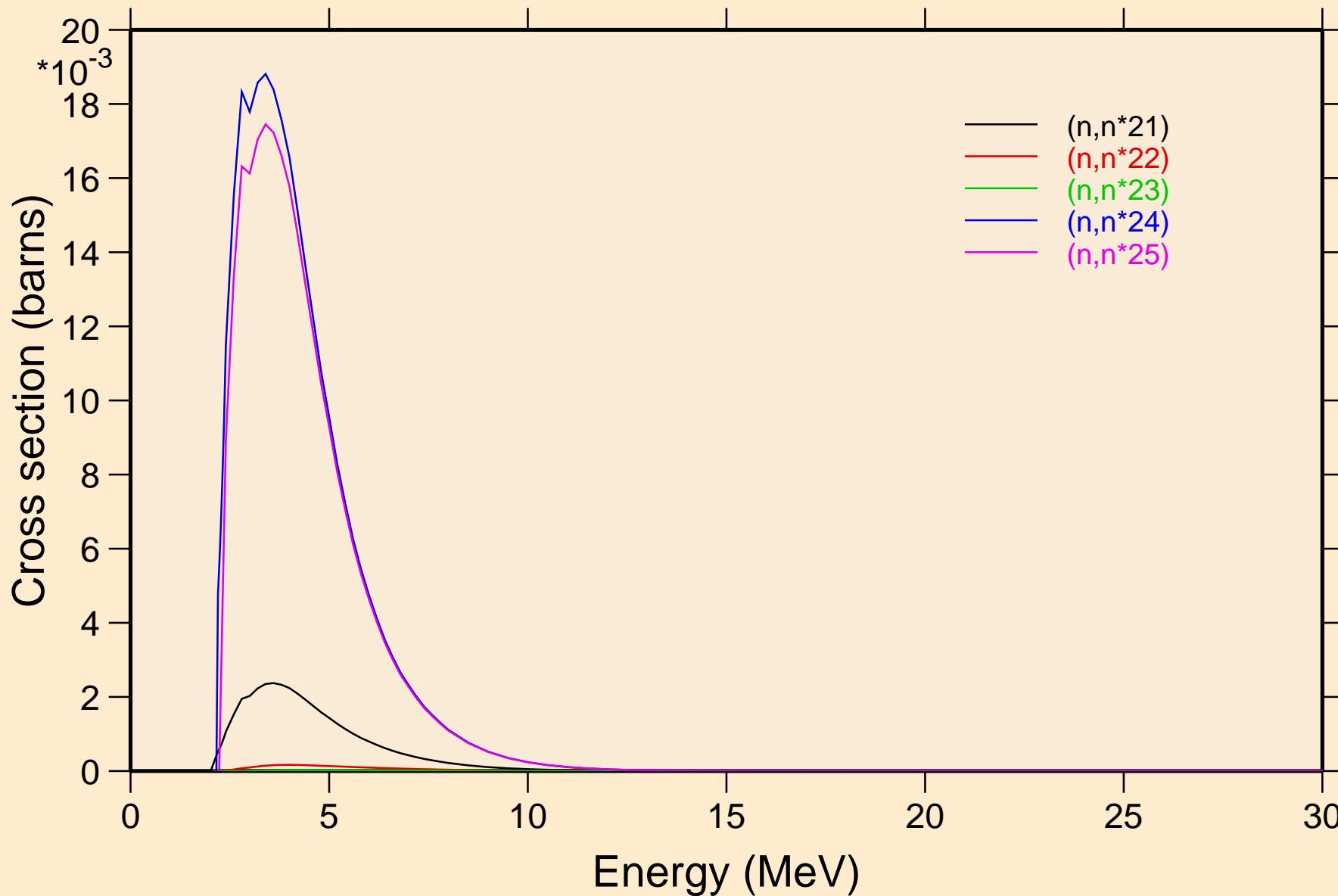
# SC042M NRG TENDL-2015, AKONING

## Inelastic levels



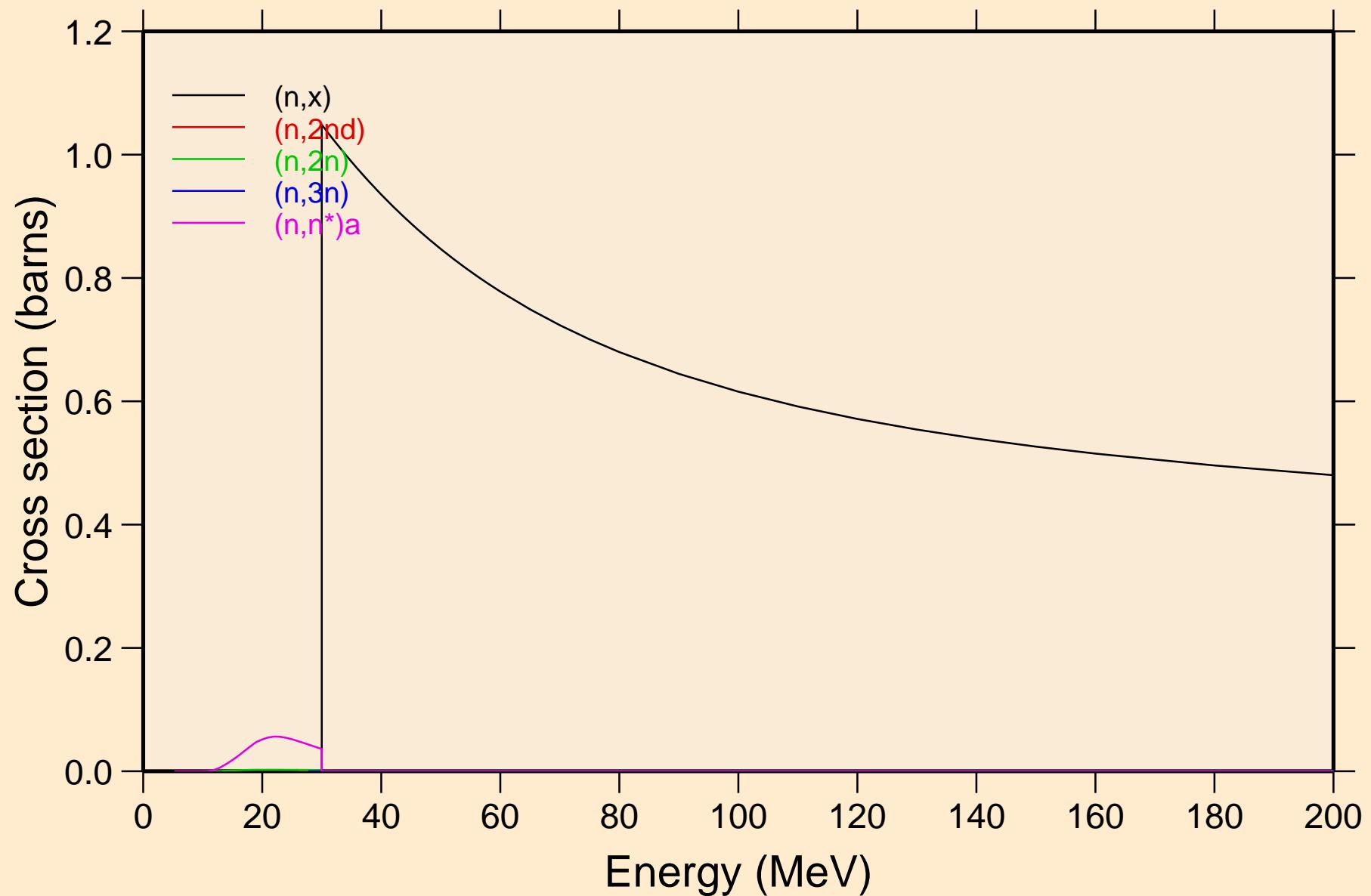
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## Inelastic levels



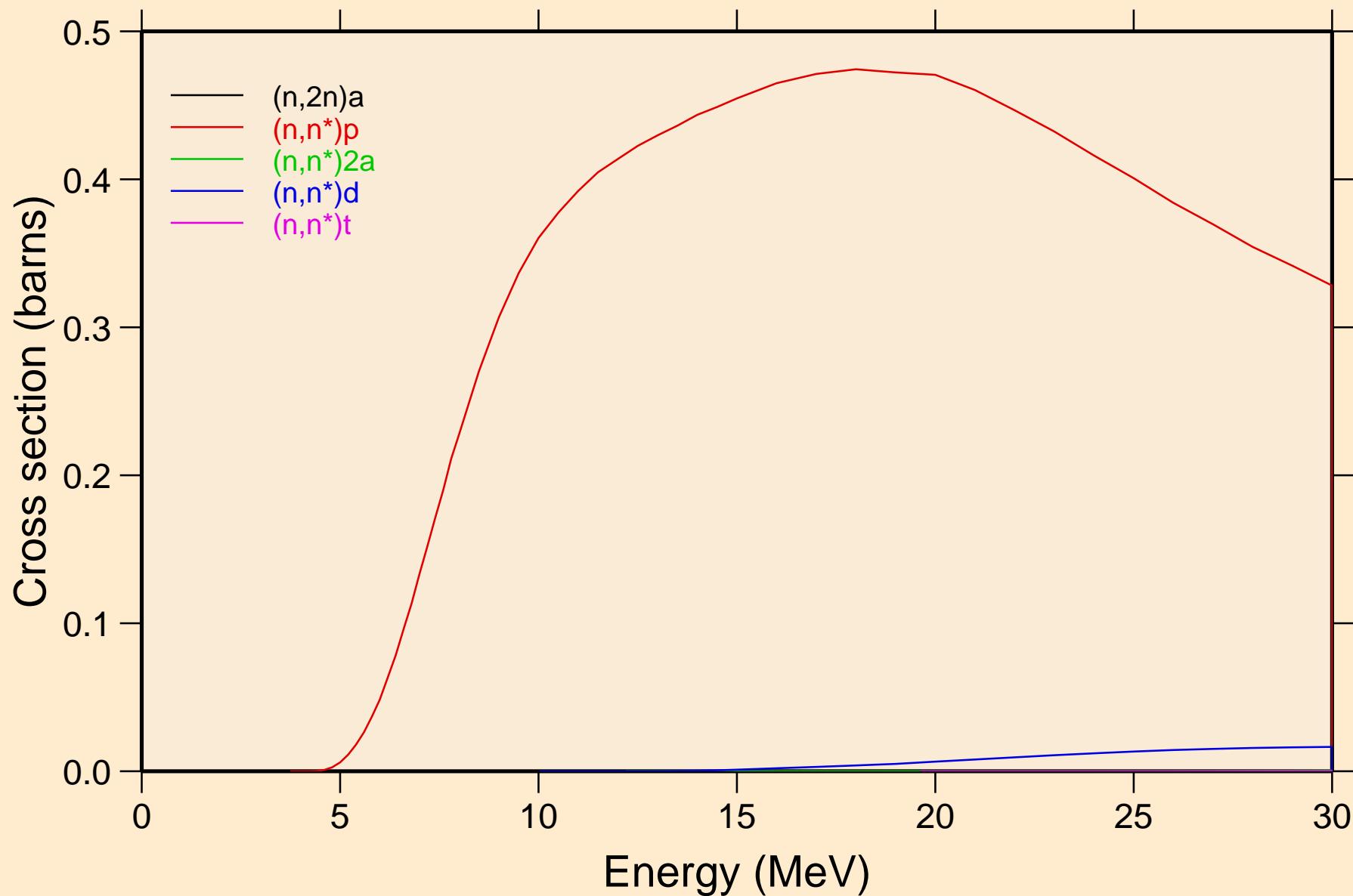
# SC042M NRG TENDL-2015, AKONING

## Threshold reactions



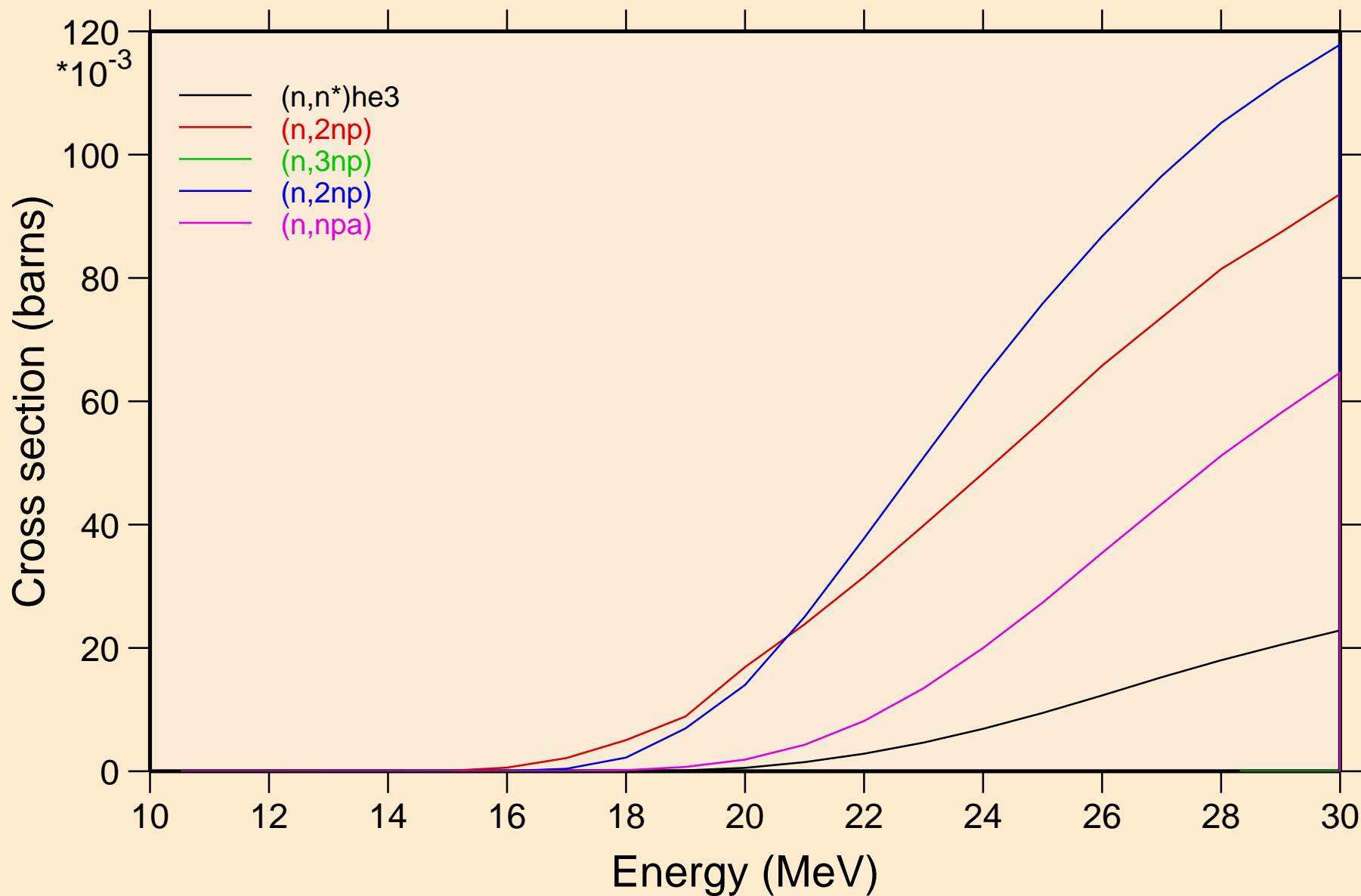
# SC042M NRG TENDL-2015, AKONING

## Threshold reactions



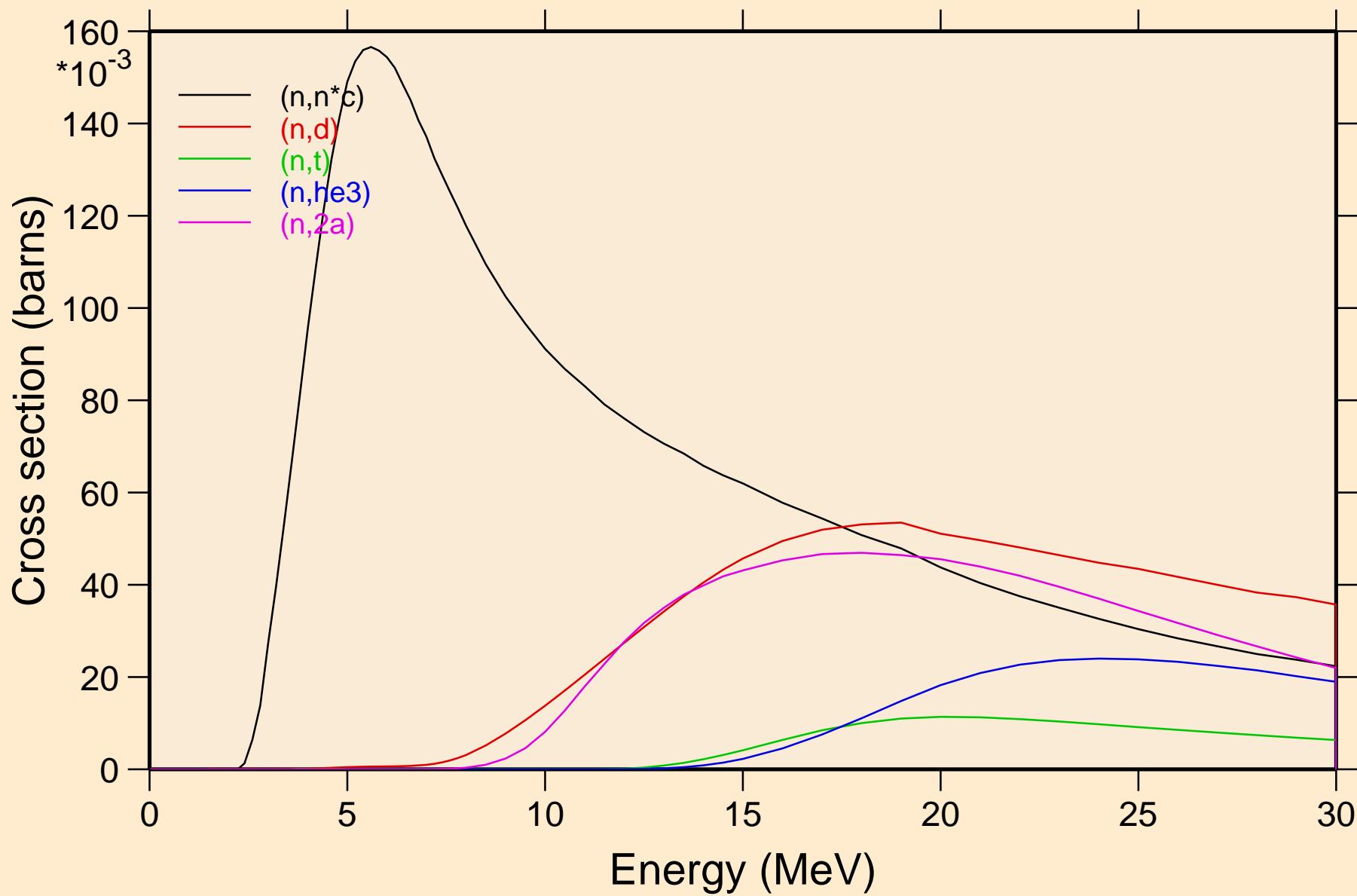
# SC042M NRG TENDL-2015, AKONING

## Threshold reactions



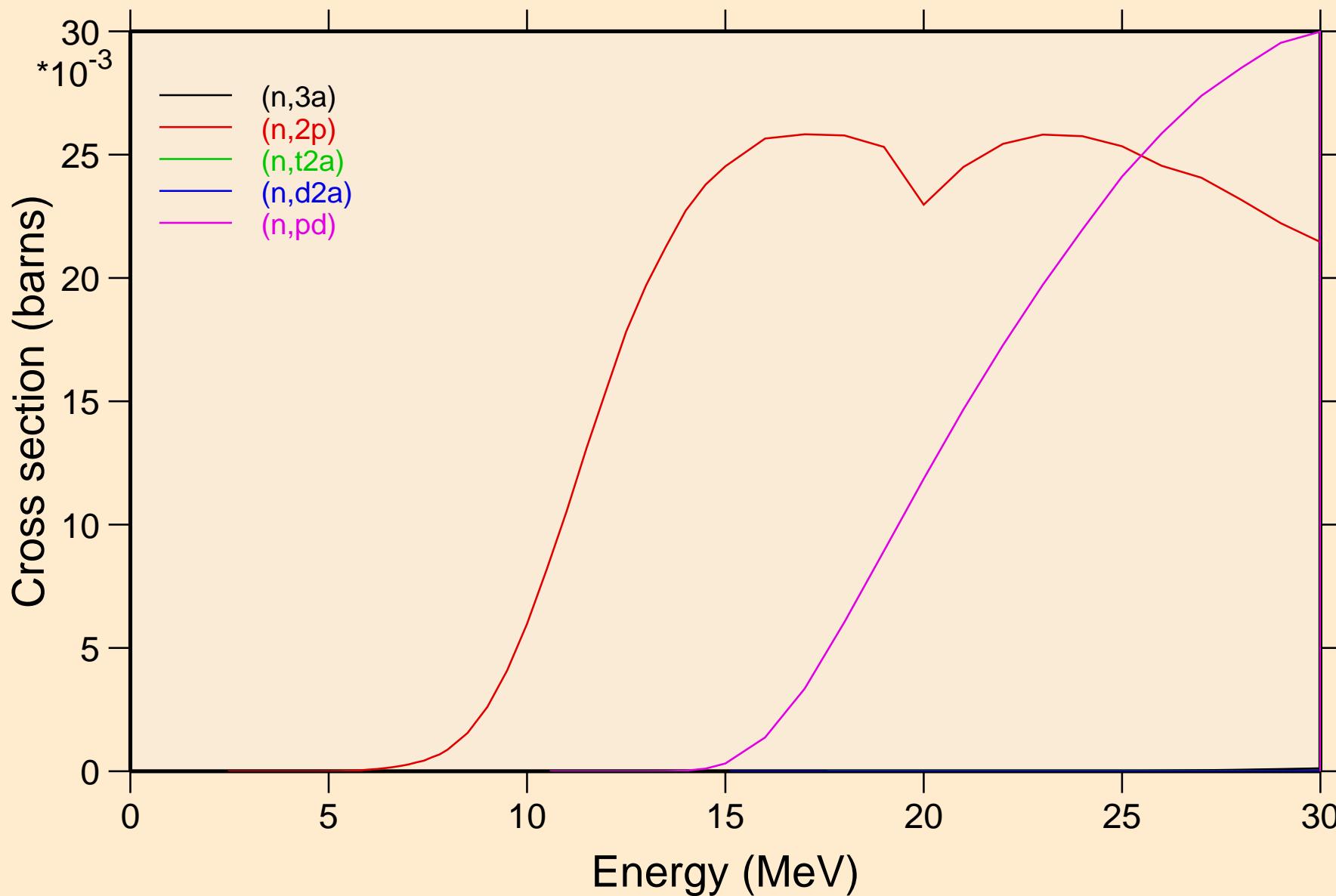
# SC042M NRG TENDL-2015, AKONING

## Threshold reactions



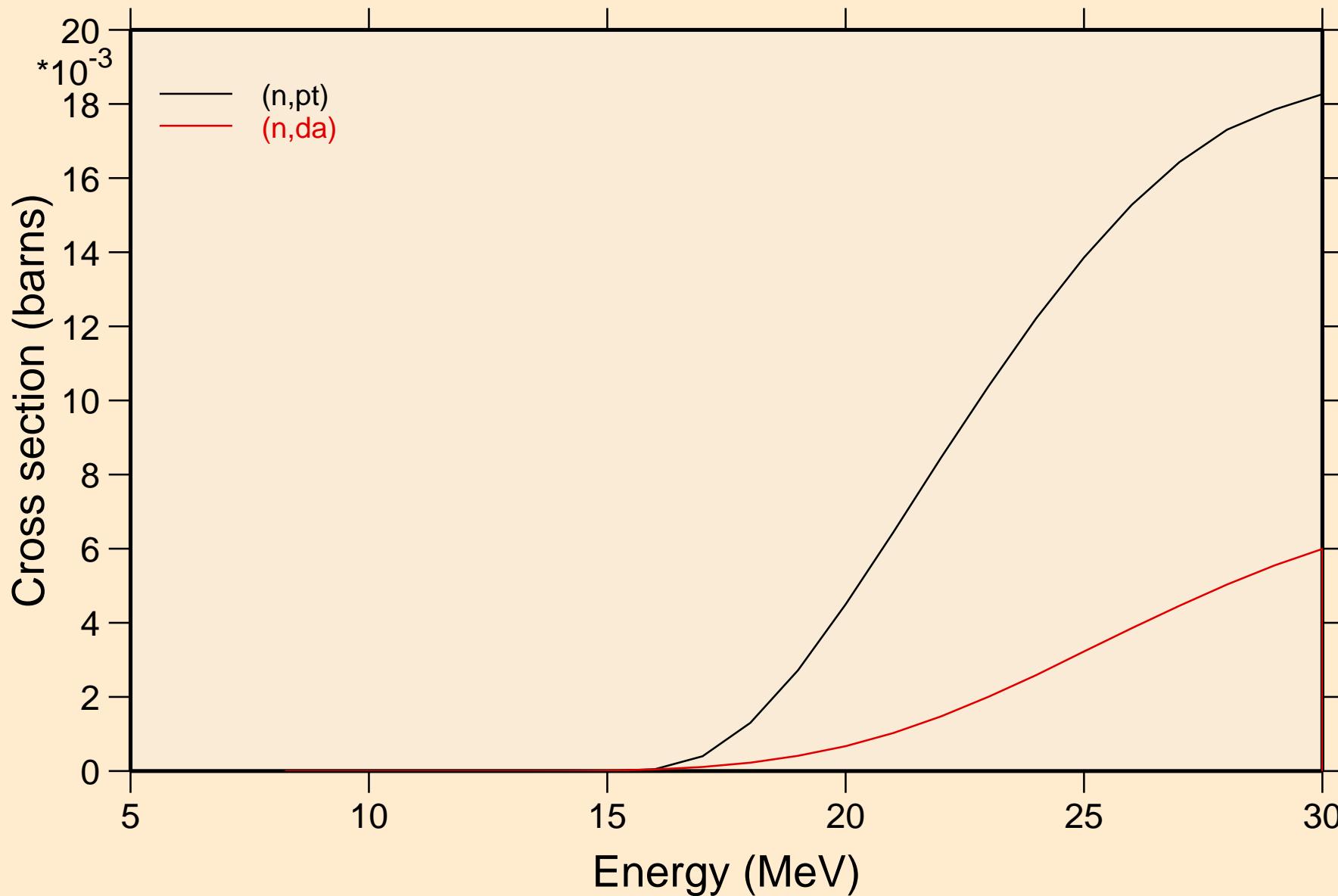
# SC042M NRG TENDL-2015, AKONING

## Threshold reactions

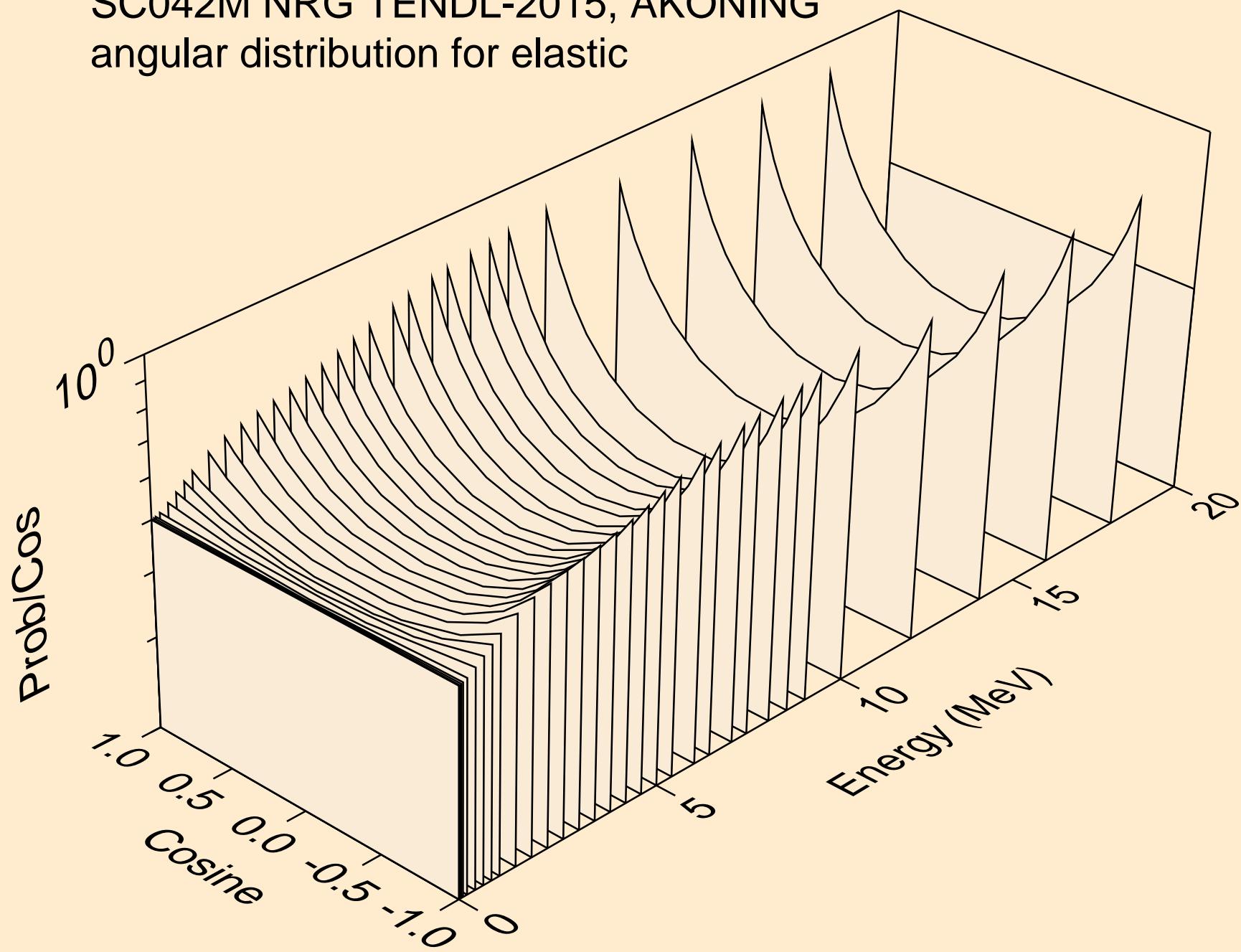


# SC042M NRG TENDL-2015, AKONING

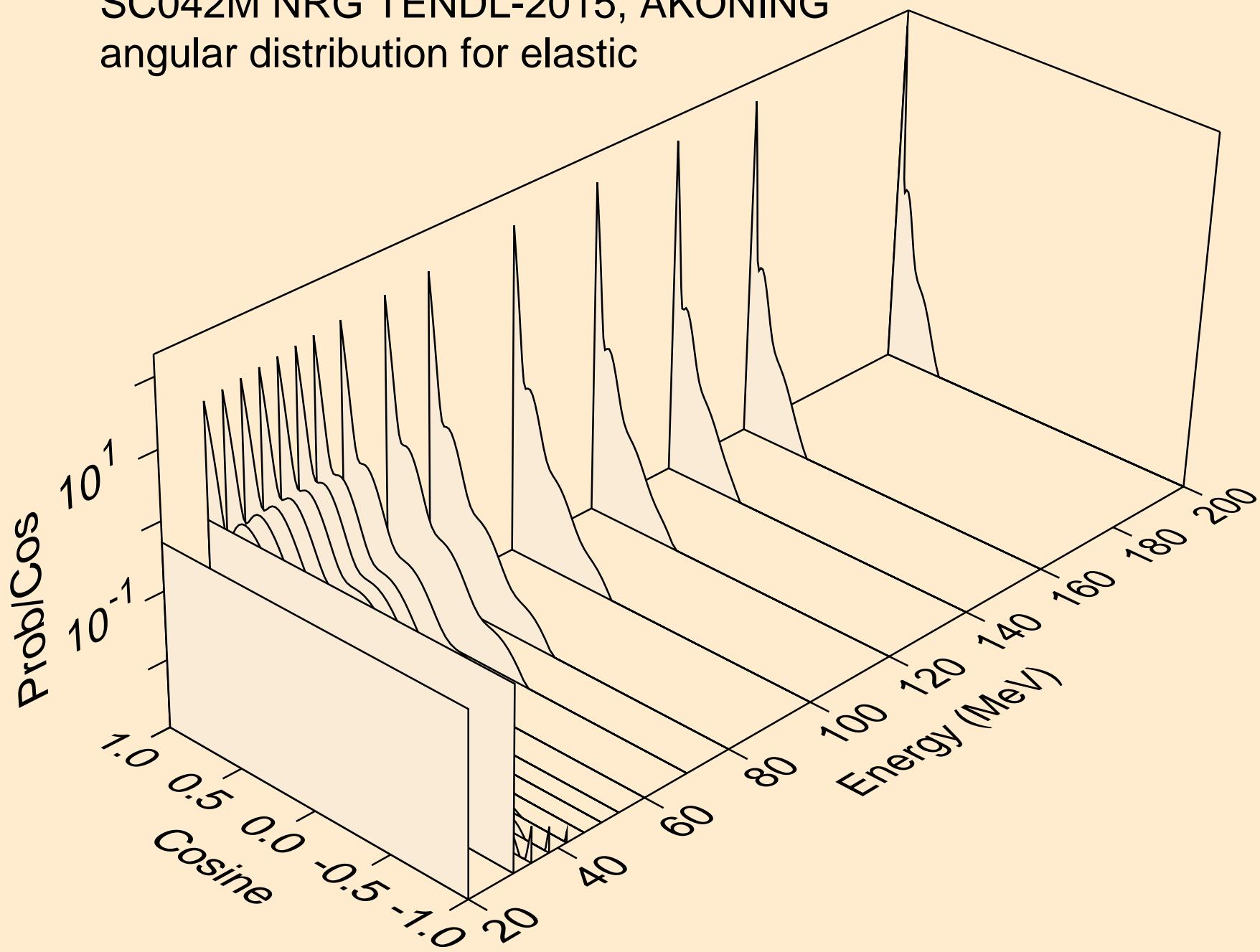
## Threshold reactions



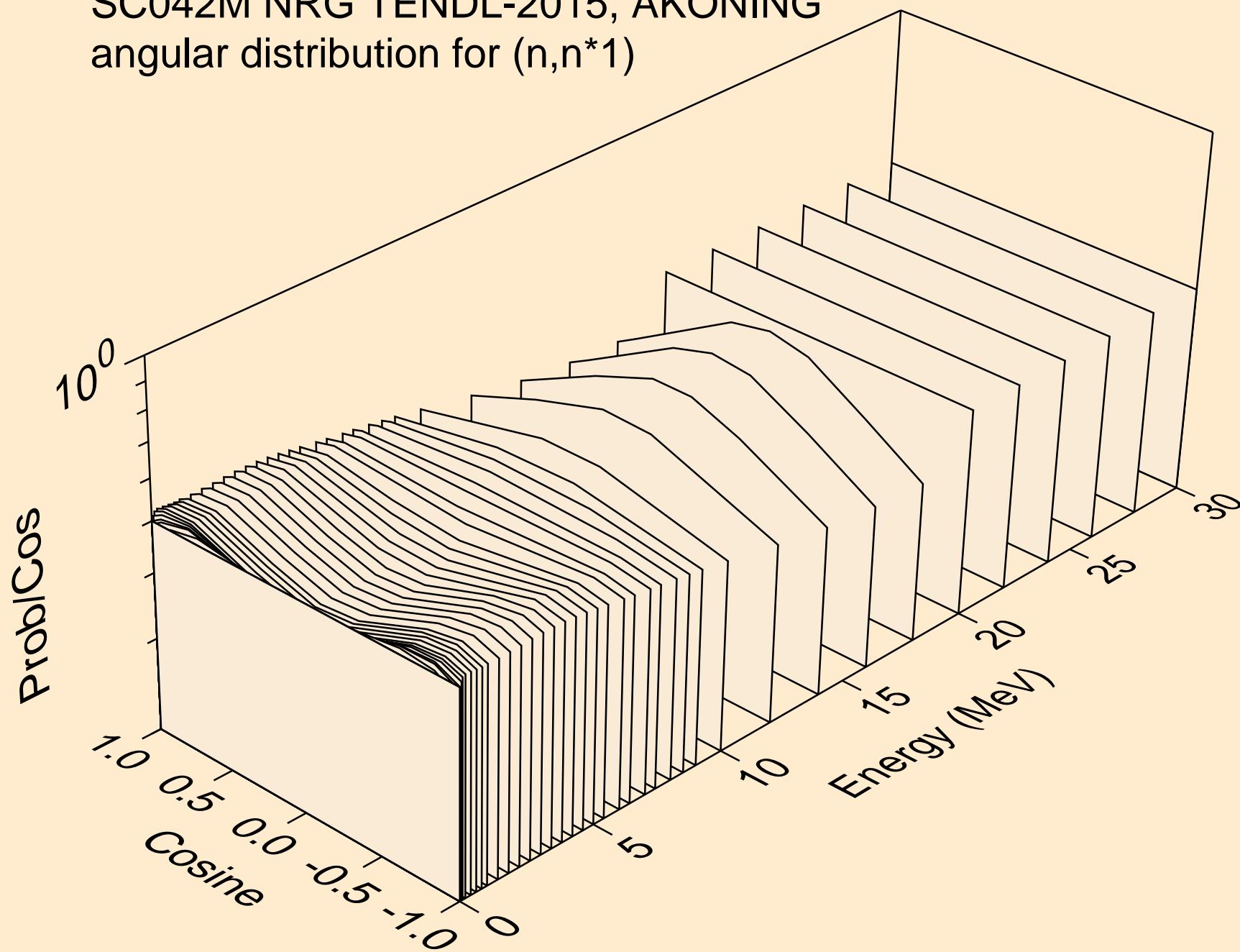
SC042M NRG TENDL-2015, AKONING  
angular distribution for elastic



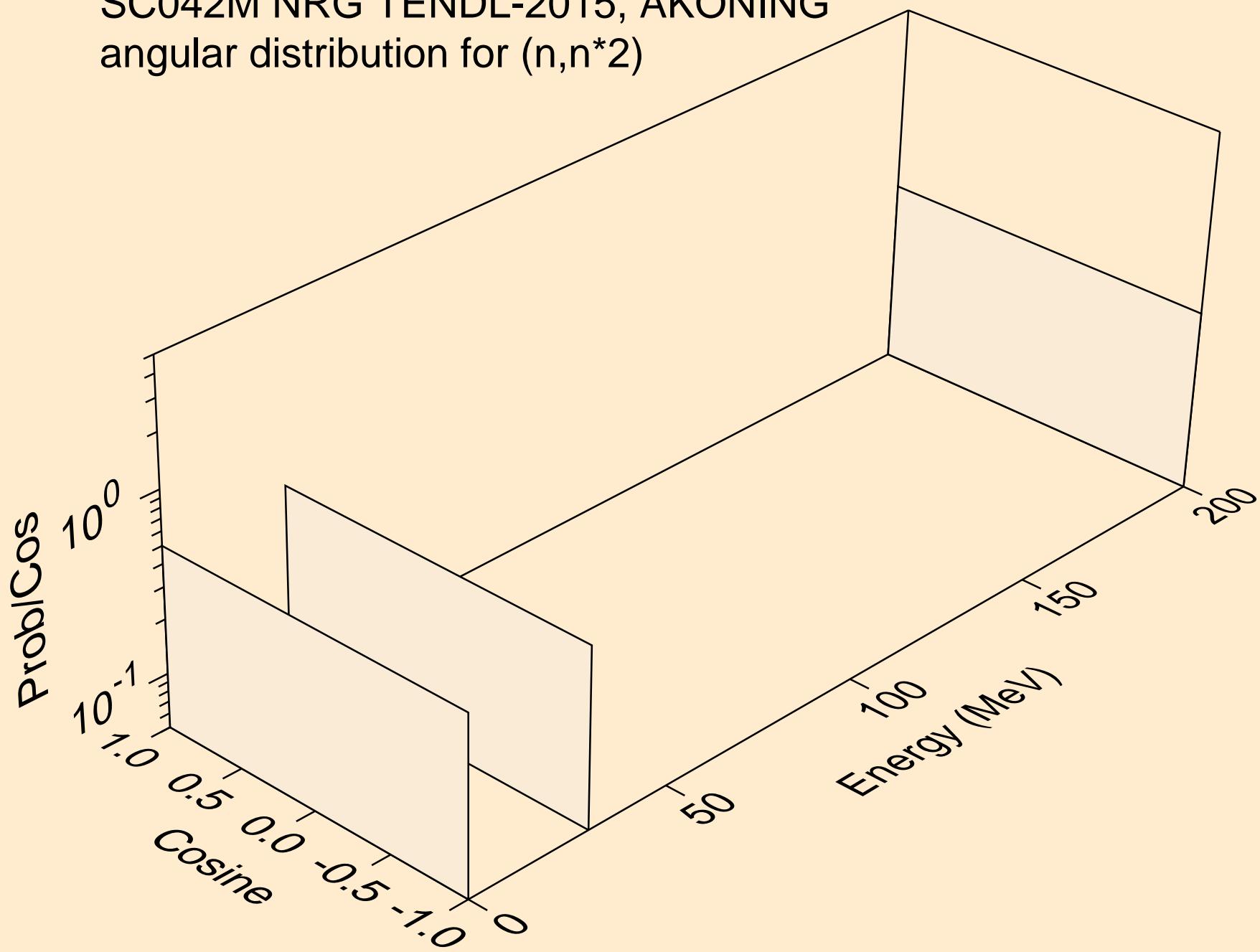
SC042M NRG TENDL-2015, AKONING  
angular distribution for elastic



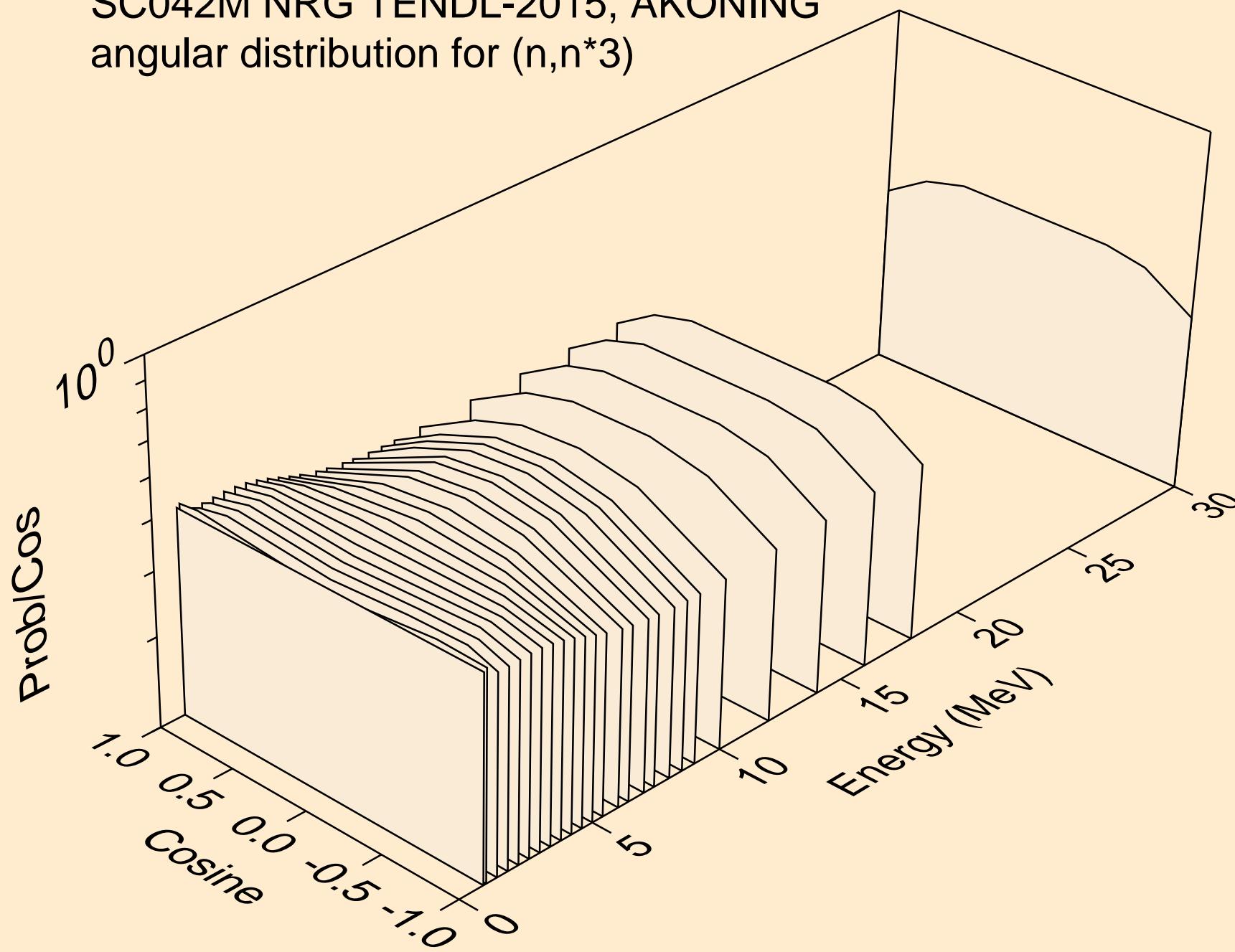
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angular distribution for (n,n\*1)



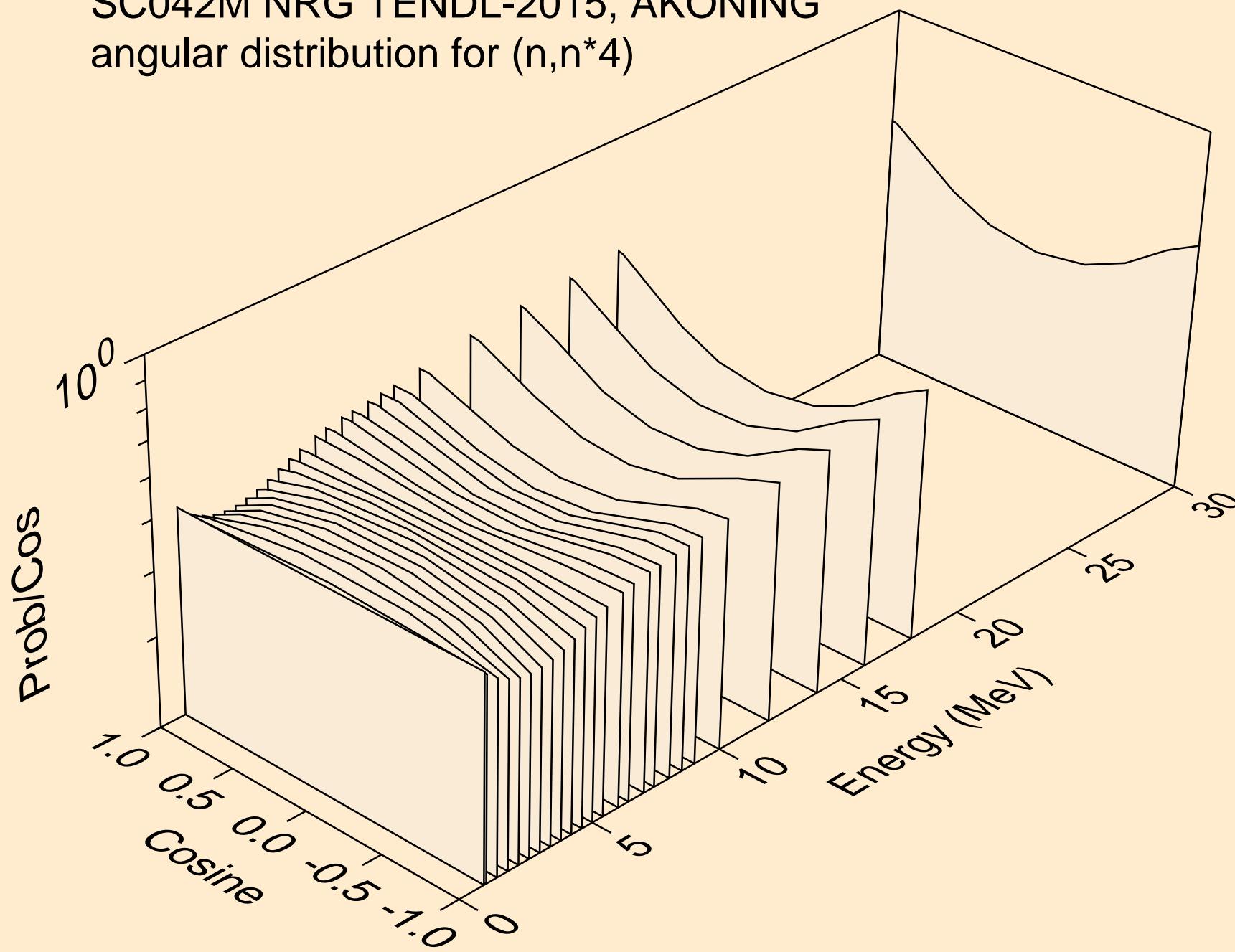
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angular distribution for (n,n\*2)



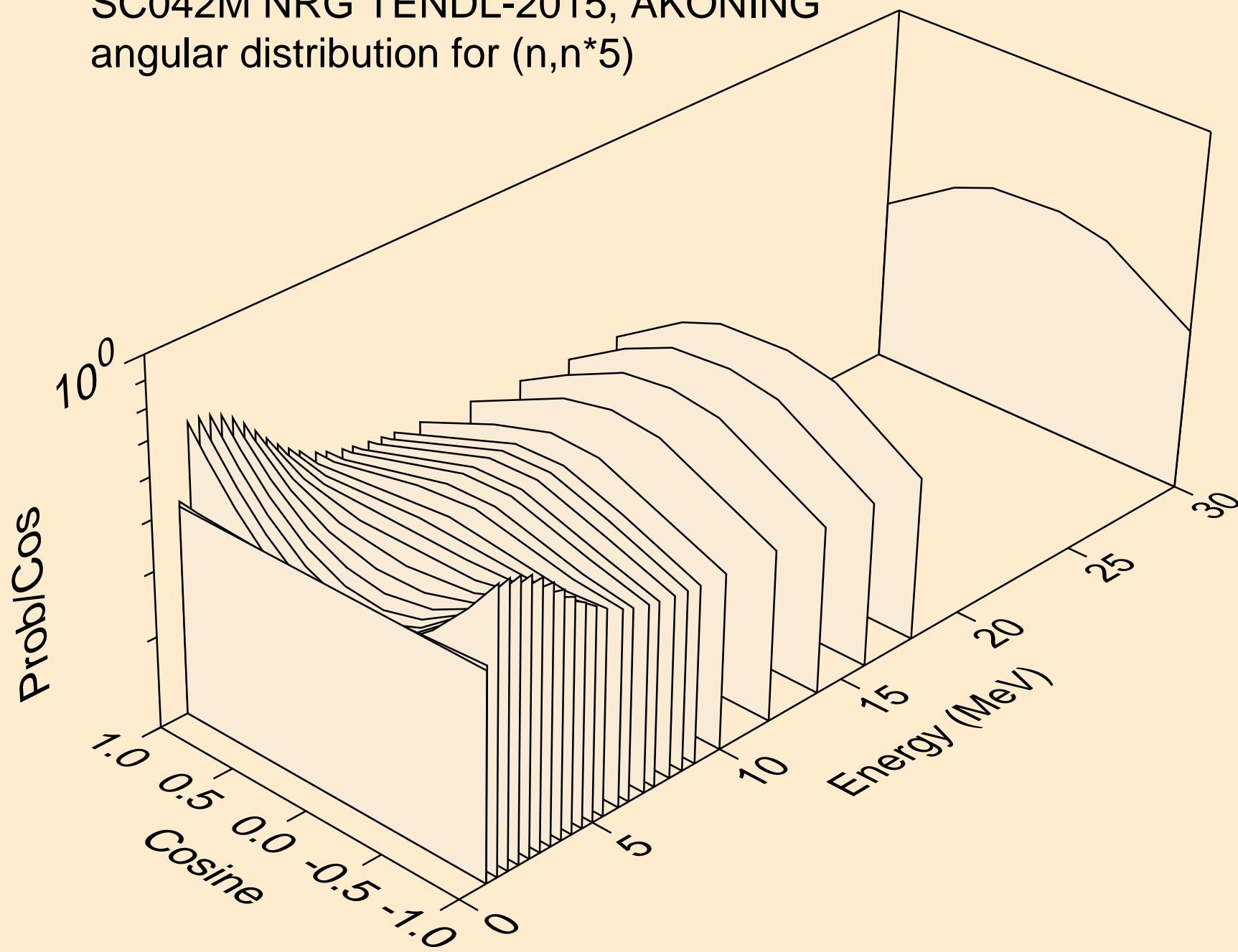
SC042M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



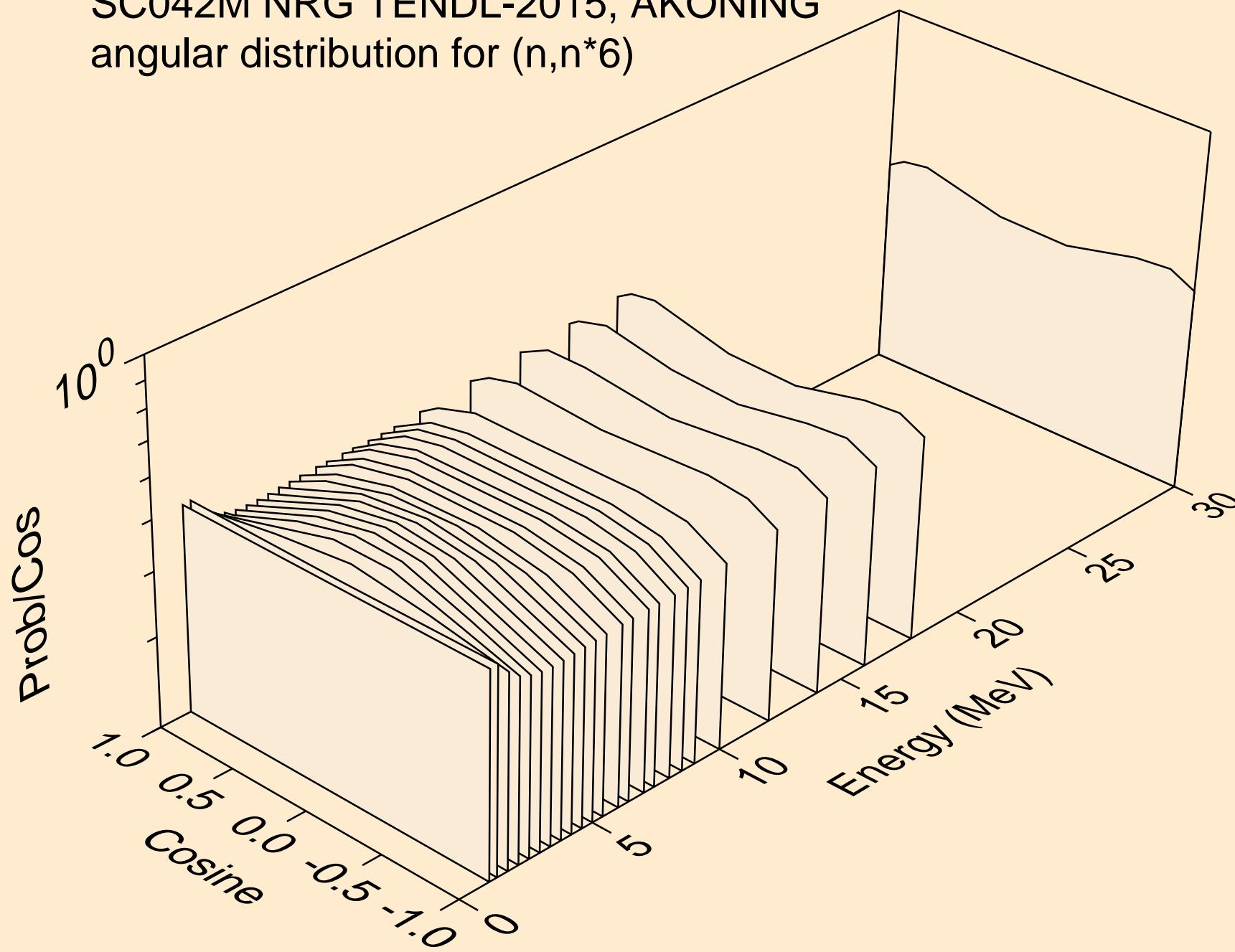
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angular distribution for  $(n,n^*4)$



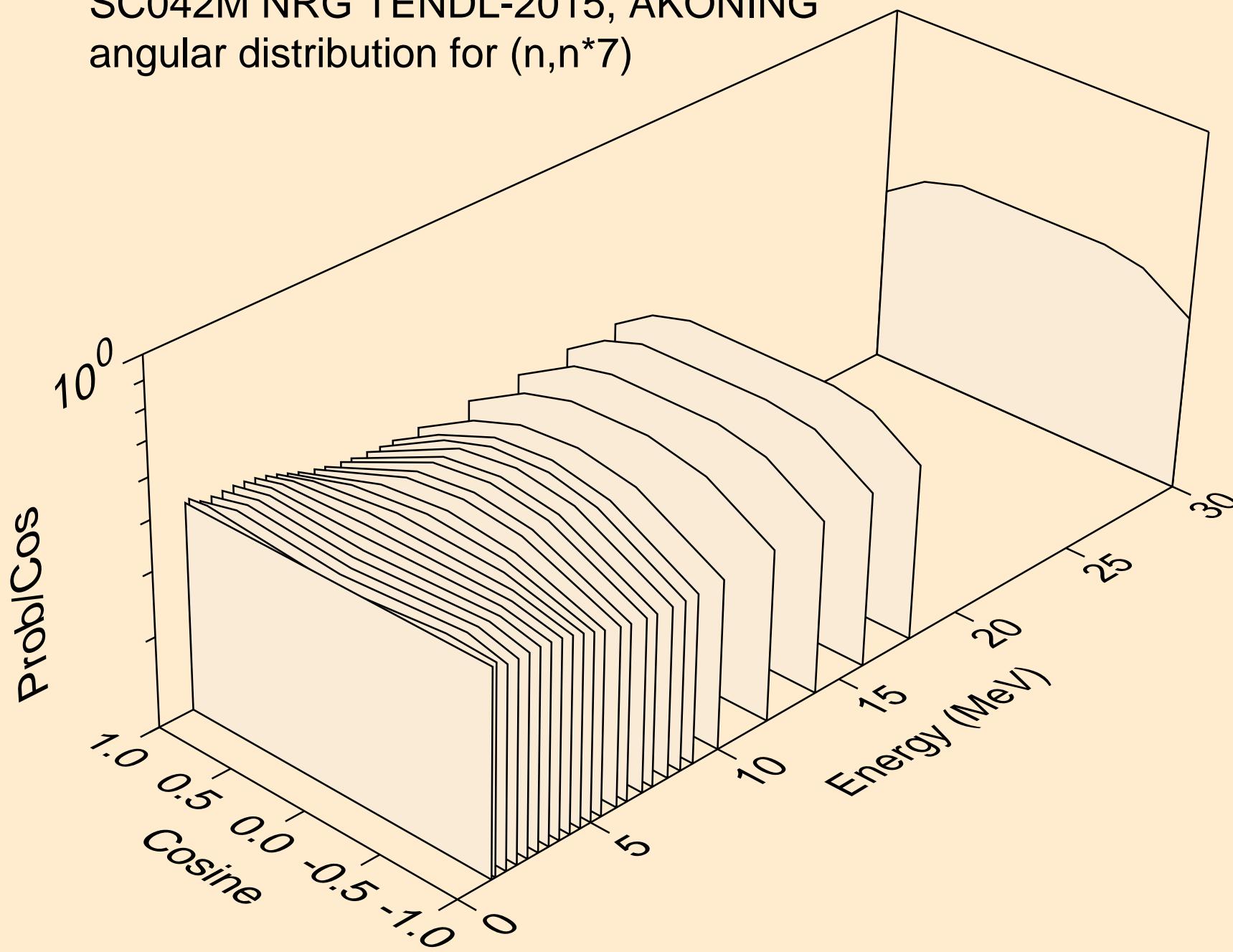
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angular distribution for (n,n\*5)



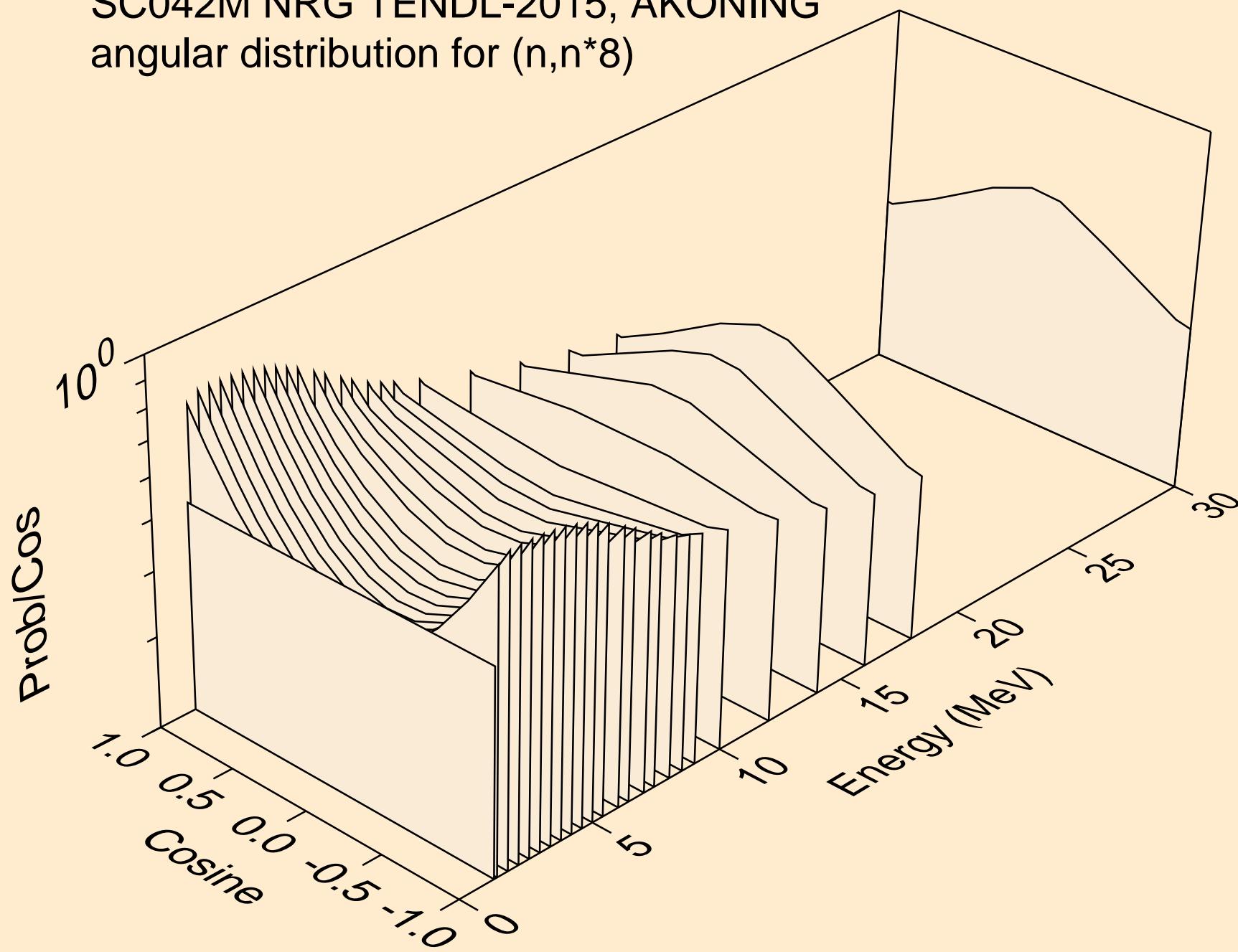
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angular distribution for  $(n,n^*6)$



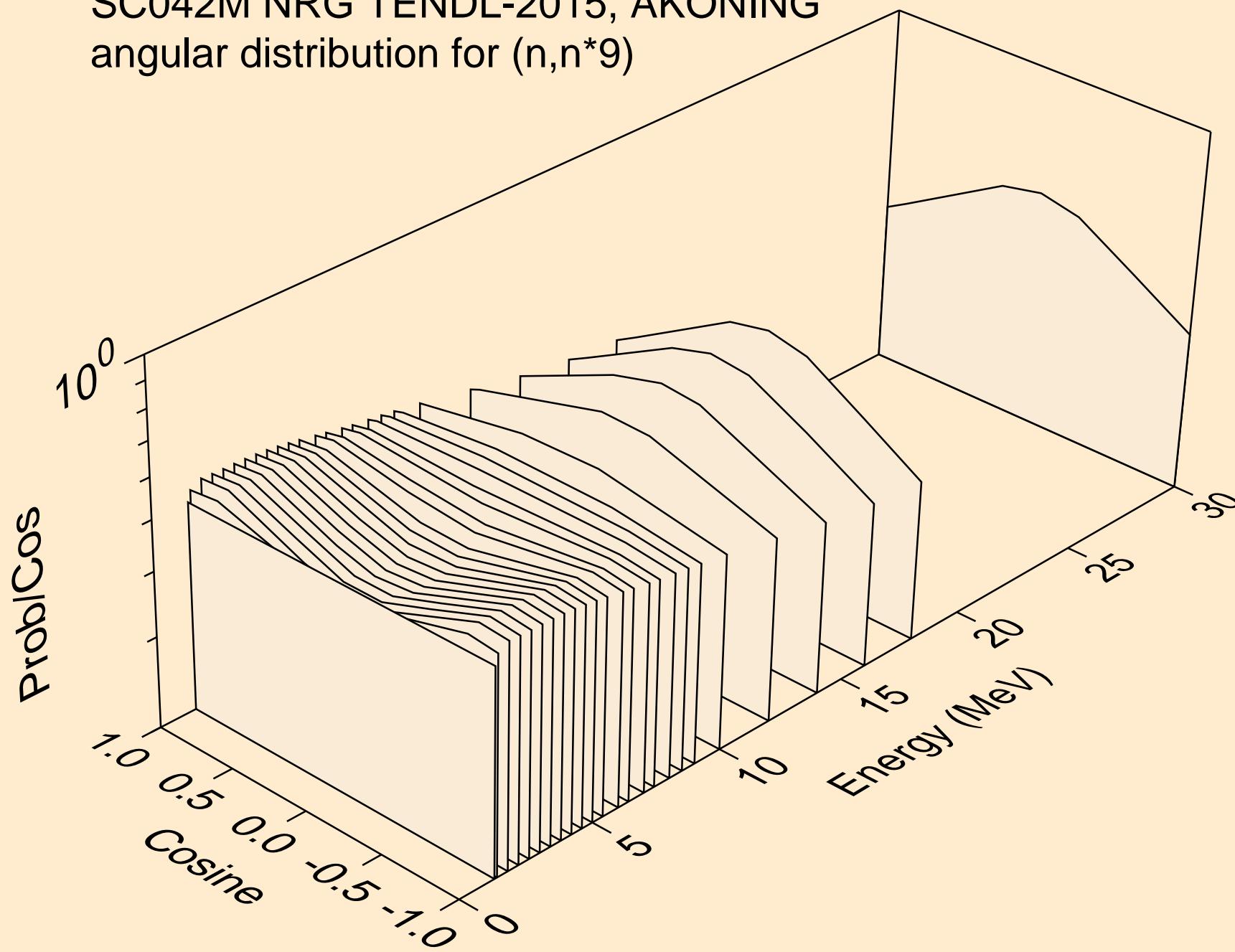
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angular distribution for  $(n,n^*)^7$



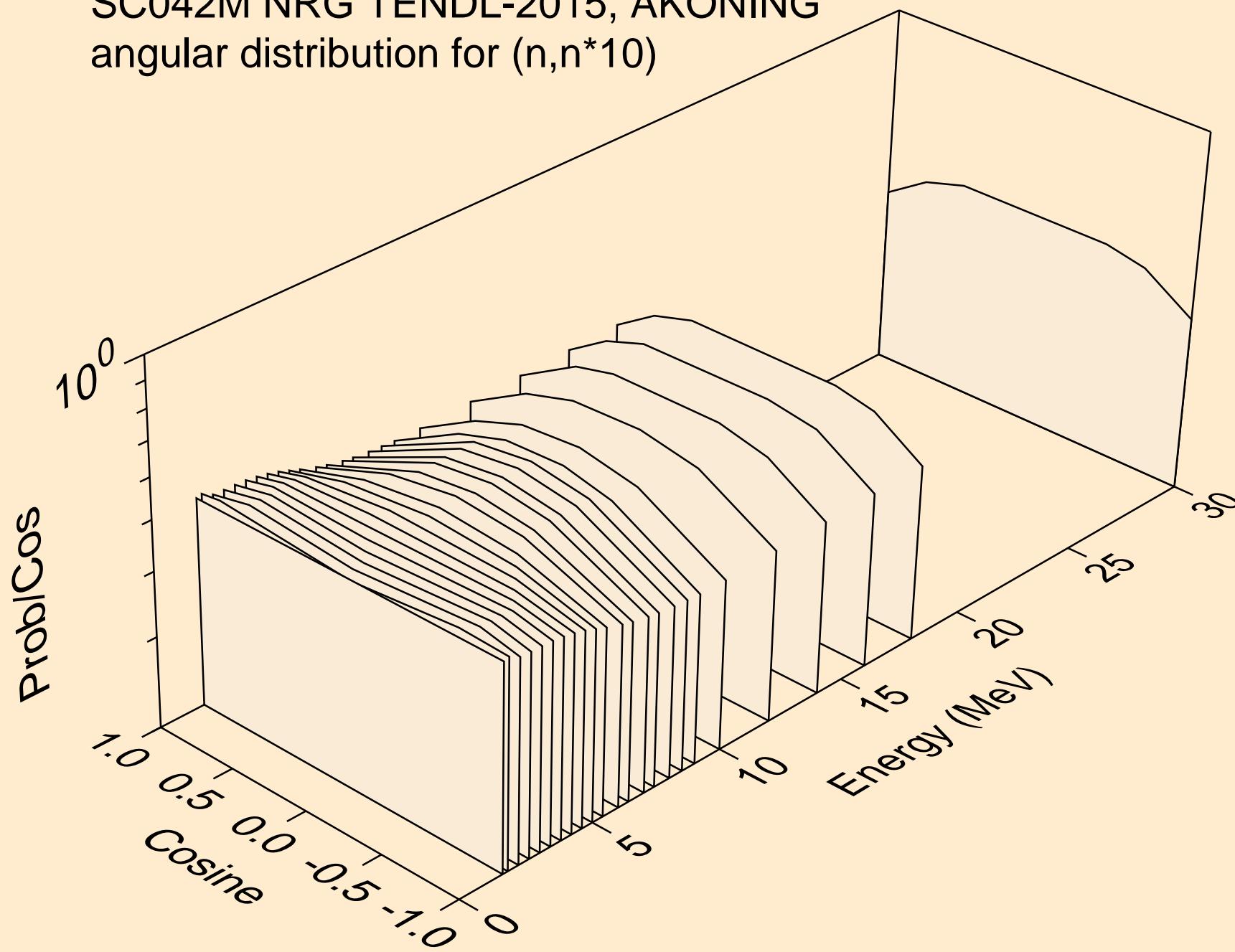
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angular distribution for  $(n,n^*)^8$



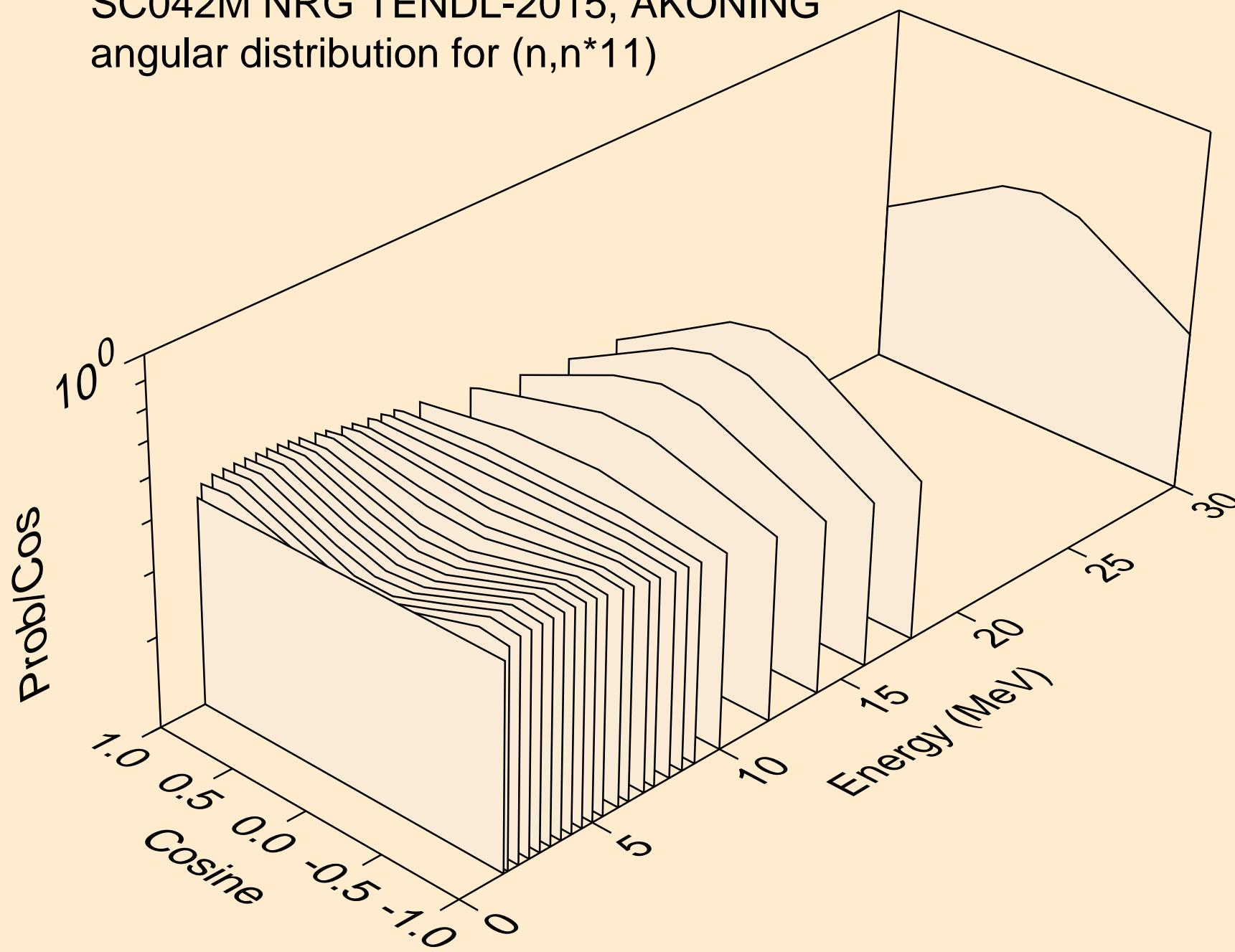
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angular distribution for (n,n\*9)



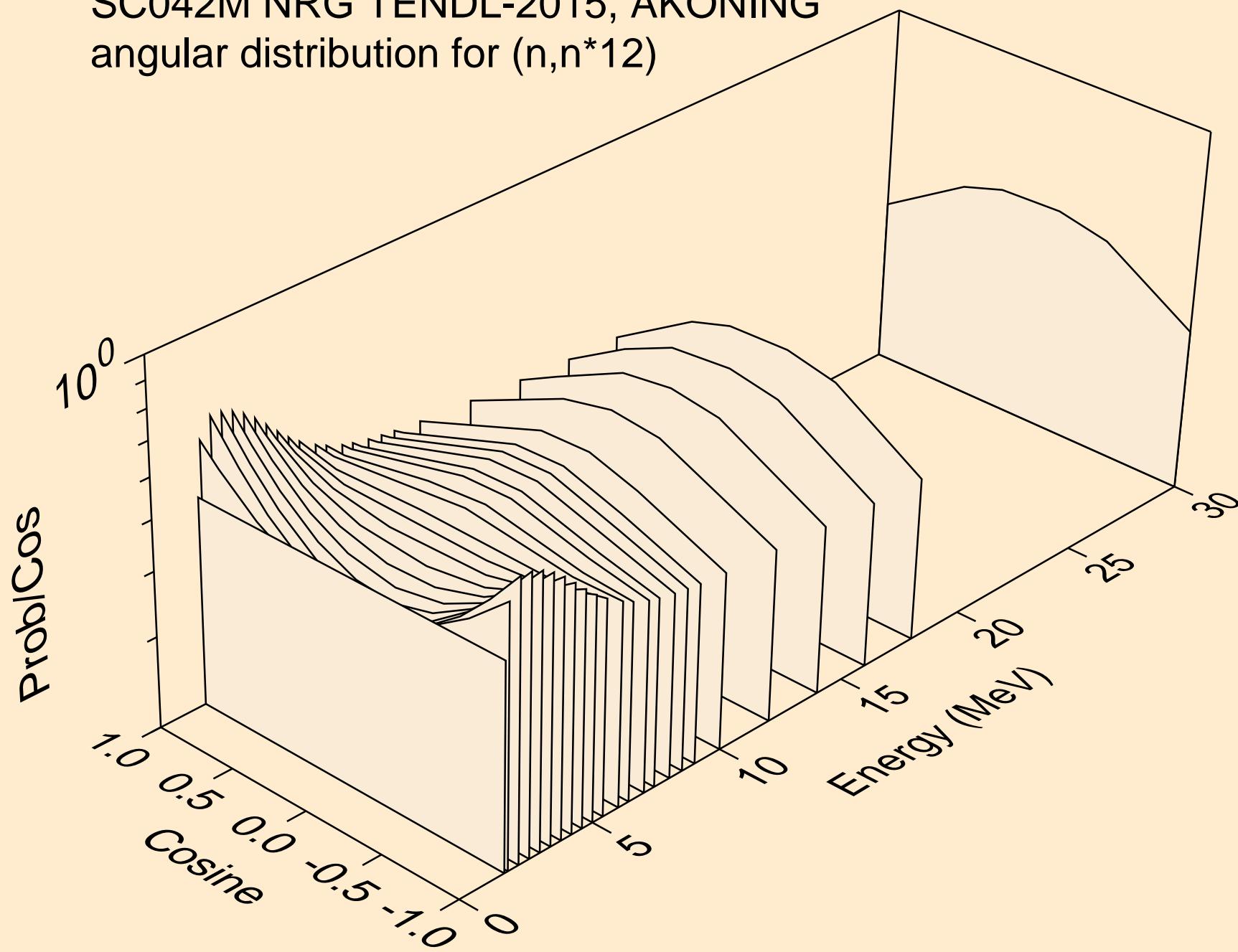
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angular distribution for (n,n\*10)



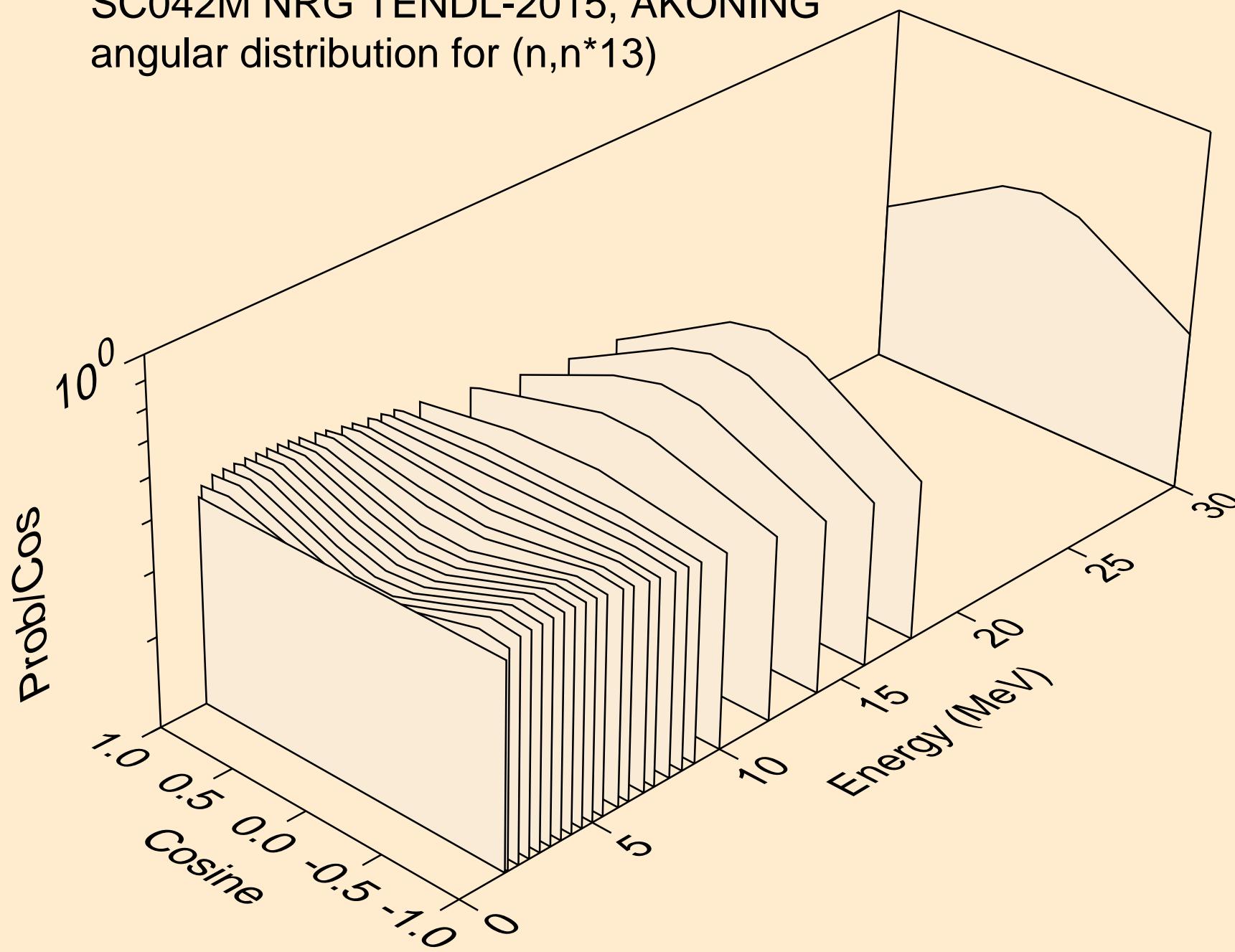
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angular distribution for (n,n\*11)



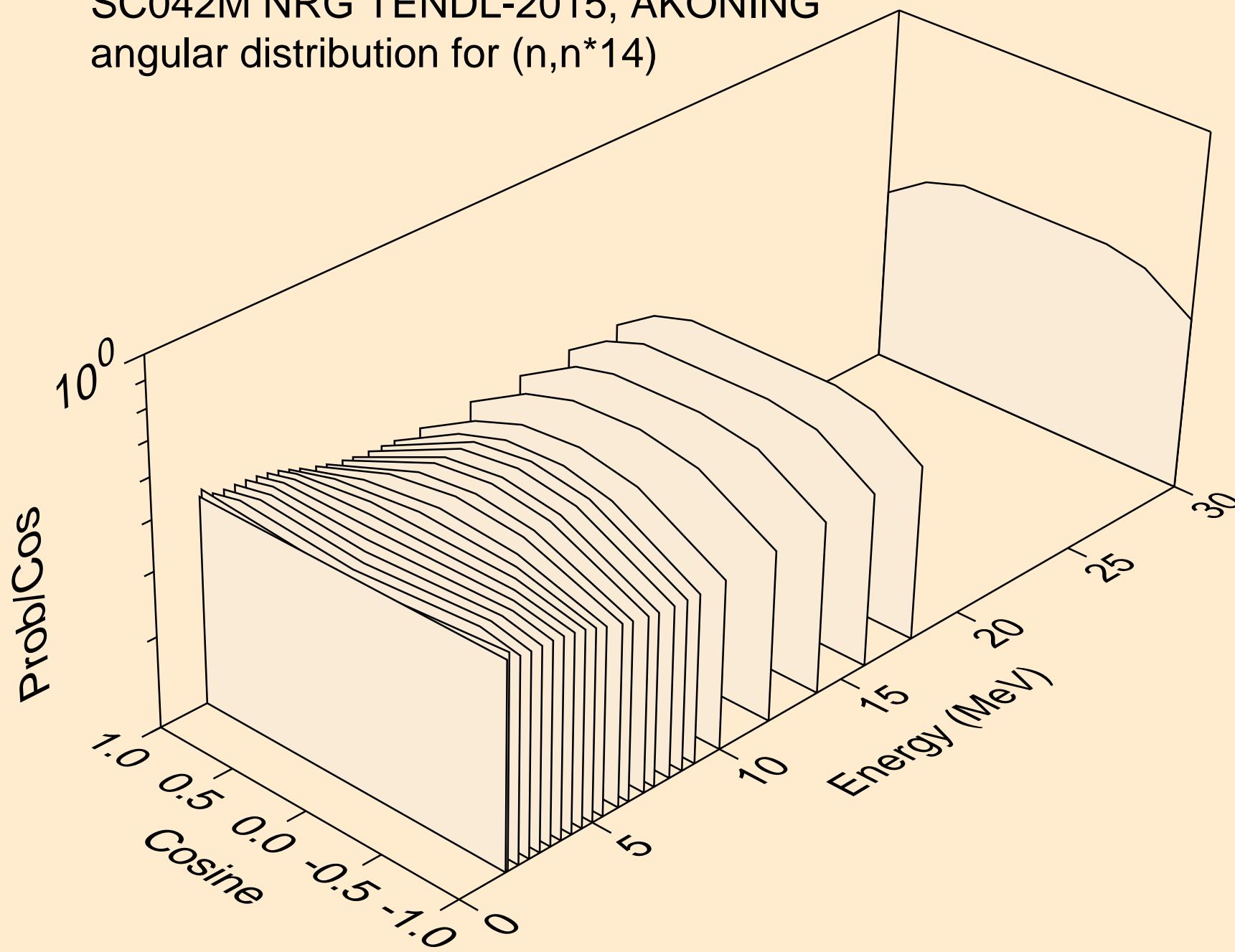
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angular distribution for (n,n\*12)



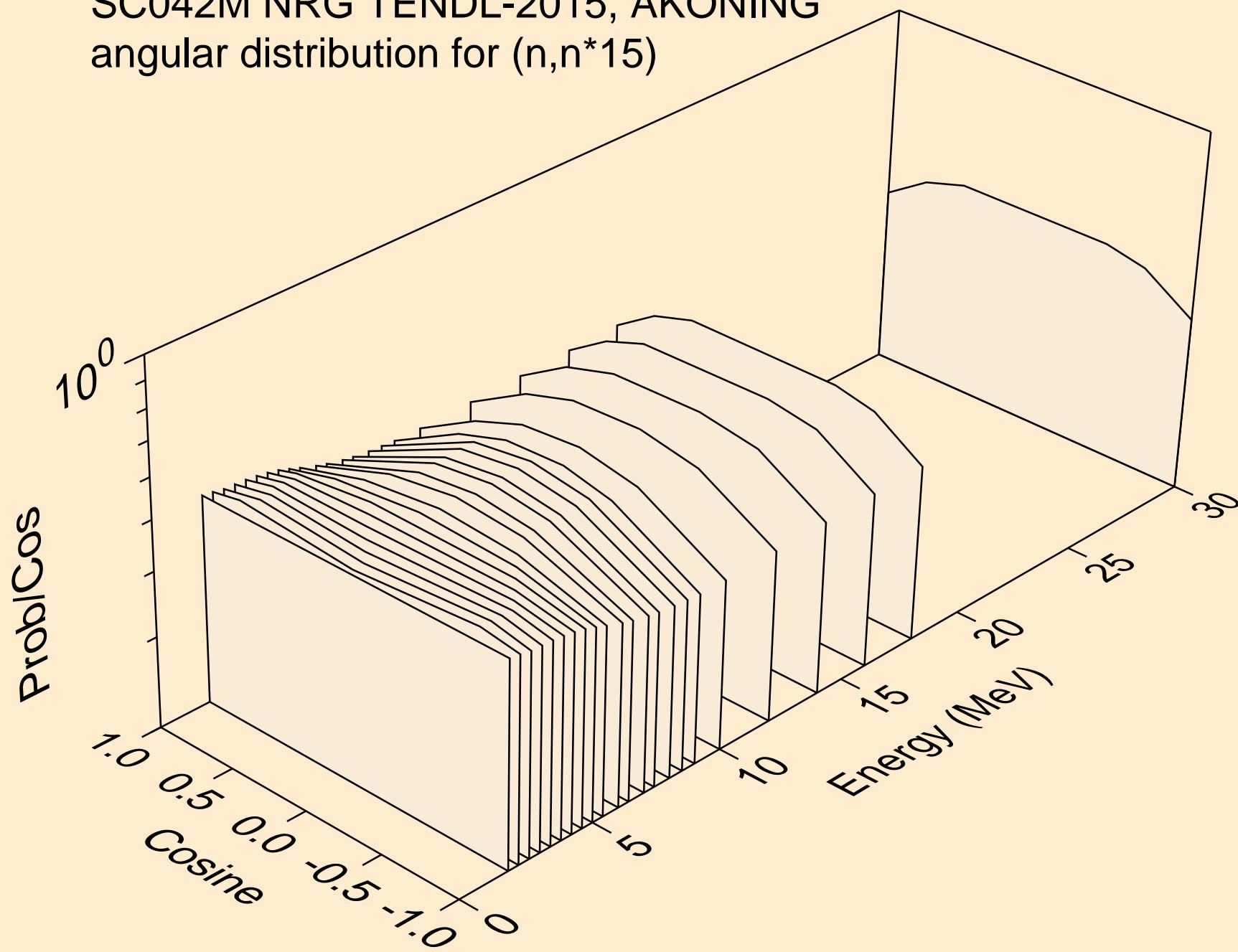
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angular distribution for (n,n\*13)



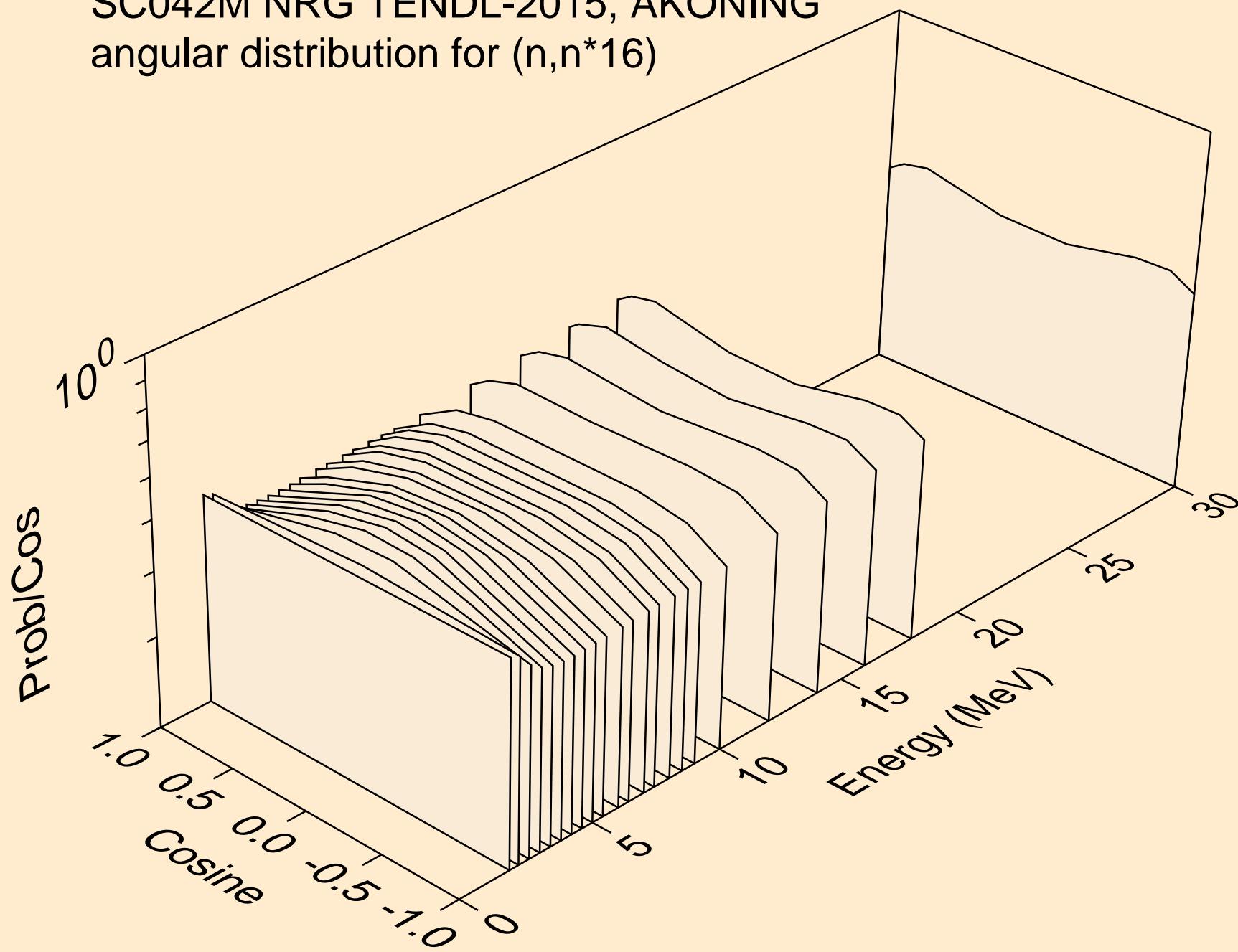
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angular distribution for (n,n\*14)



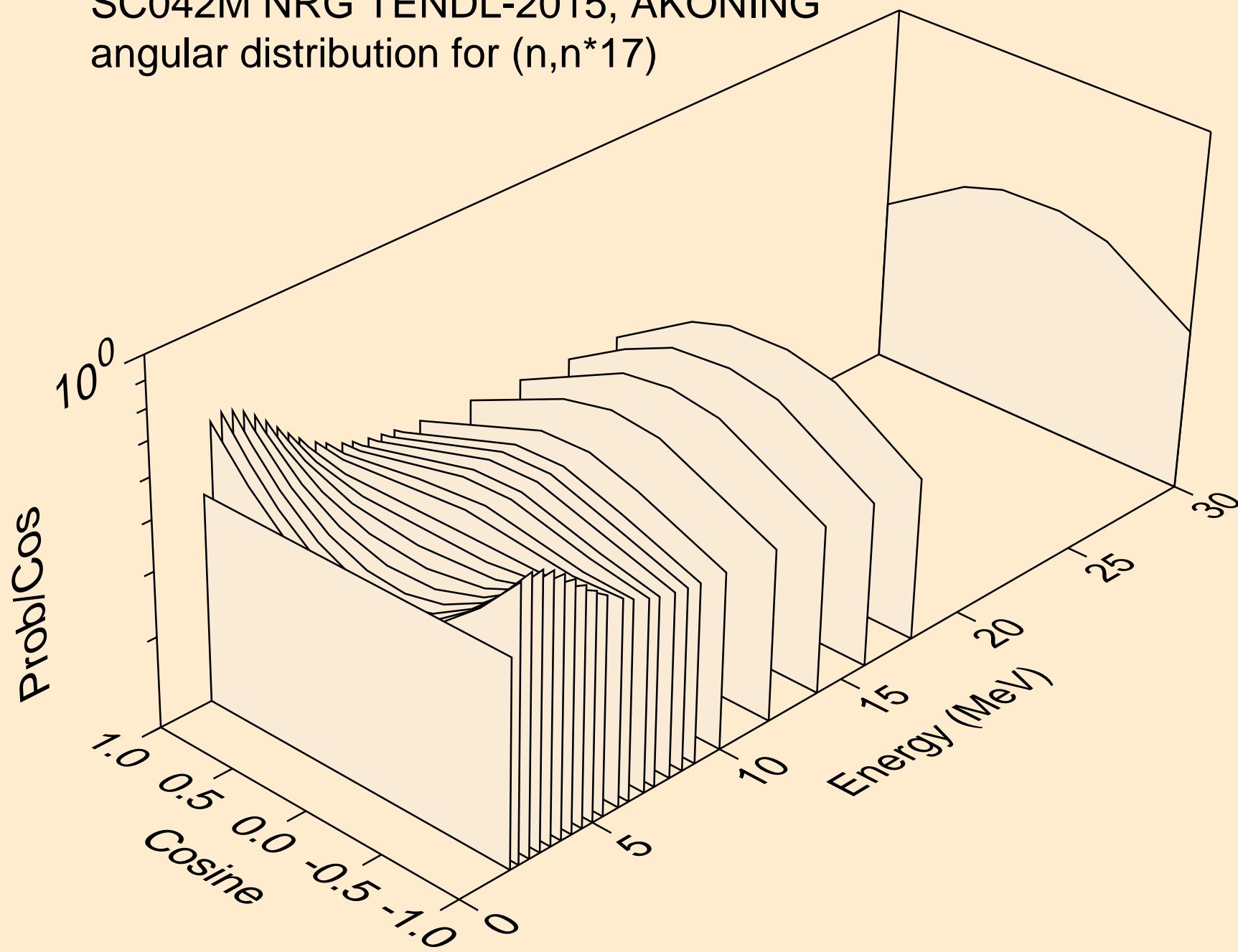
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angular distribution for  $(n,n^*15)$



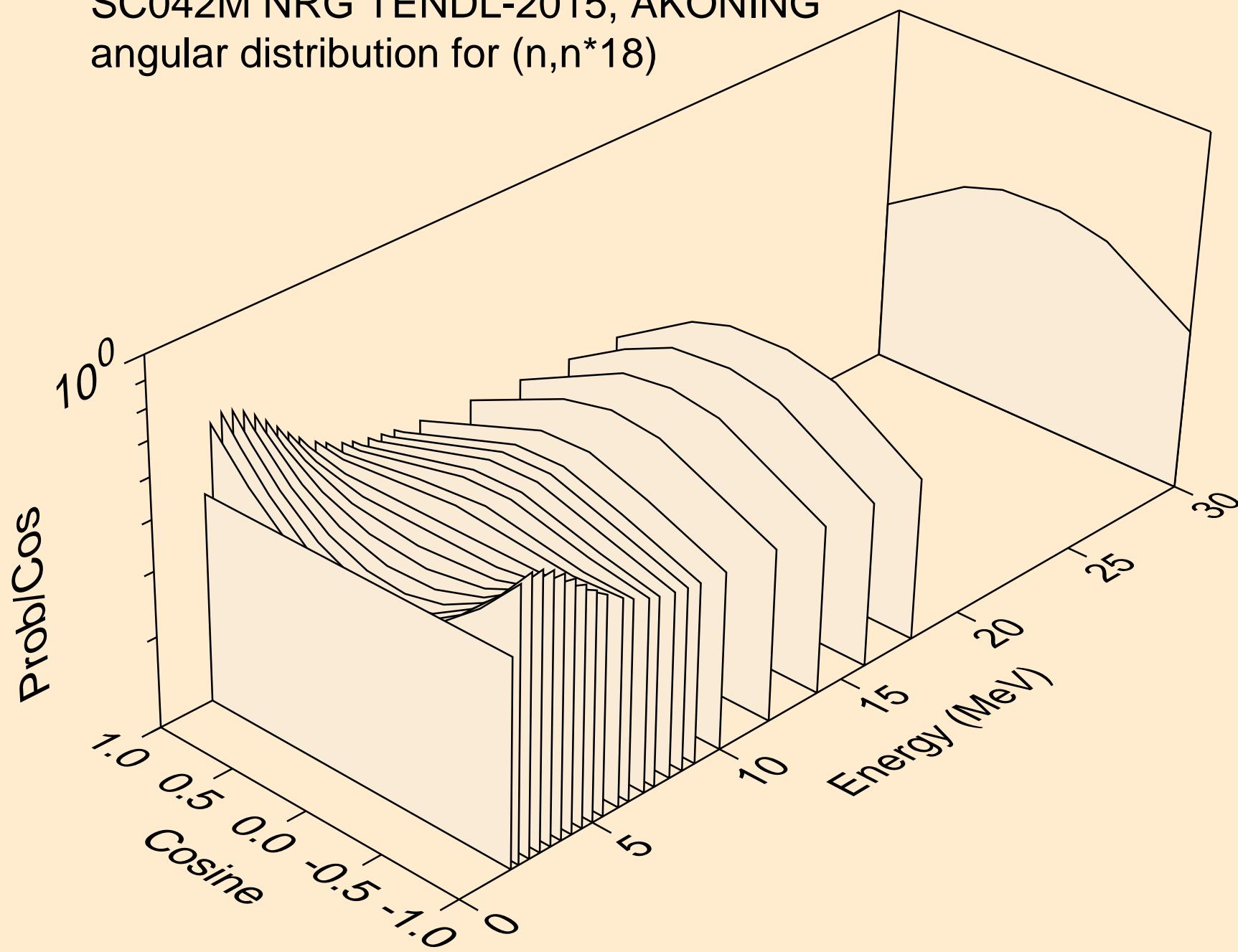
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angular distribution for (n,n\*16)



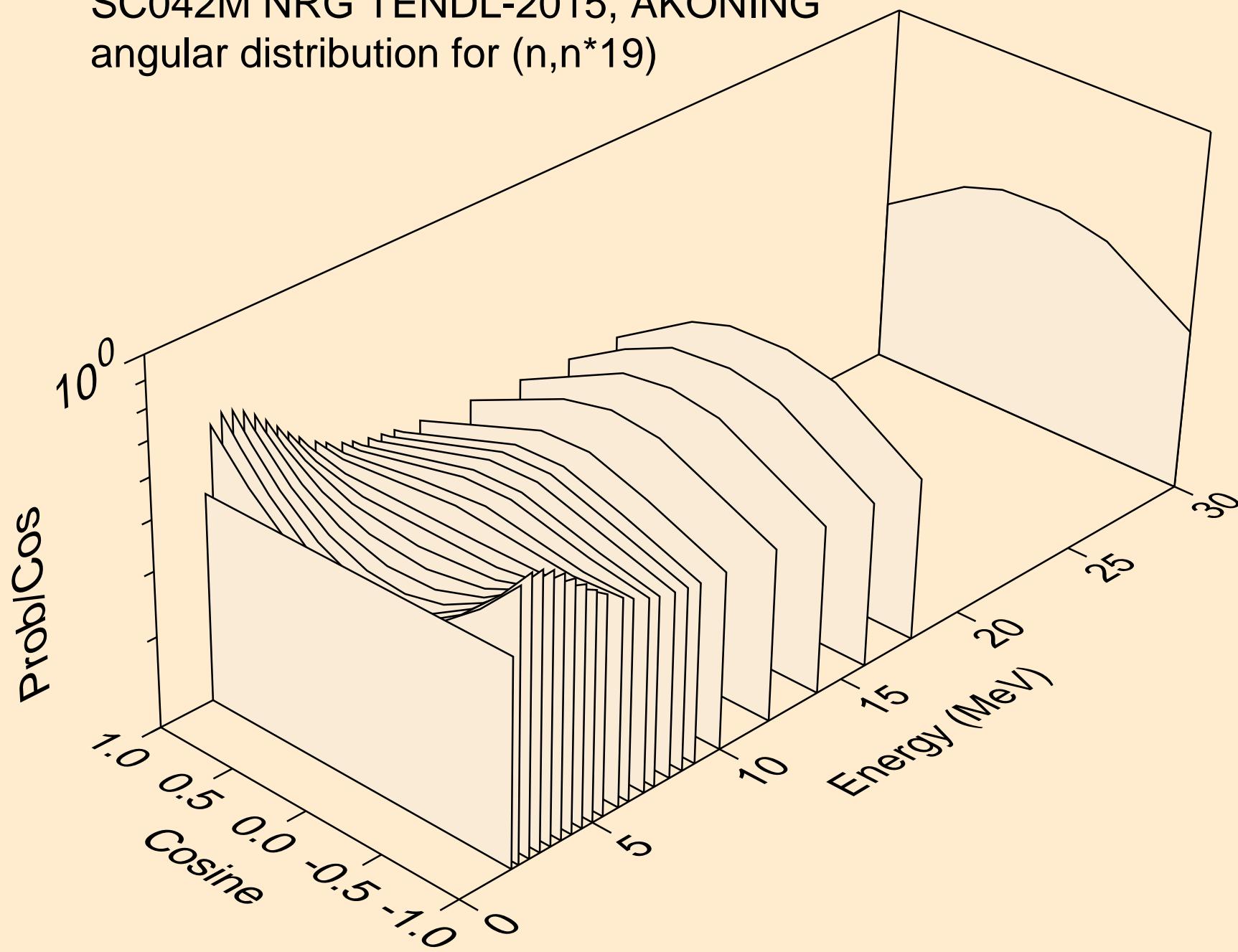
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angular distribution for (n,n\*17)



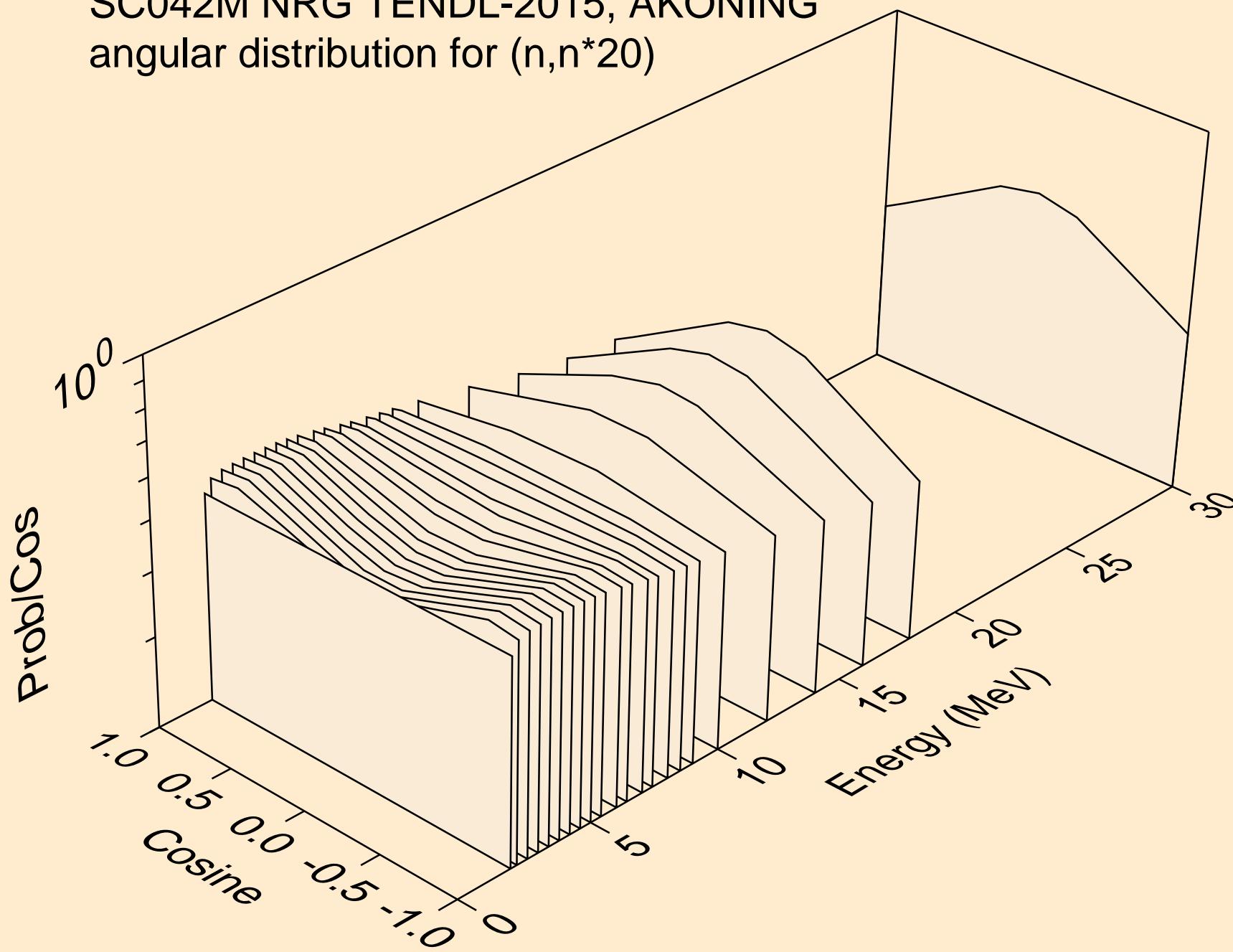
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angular distribution for (n,n\*18)



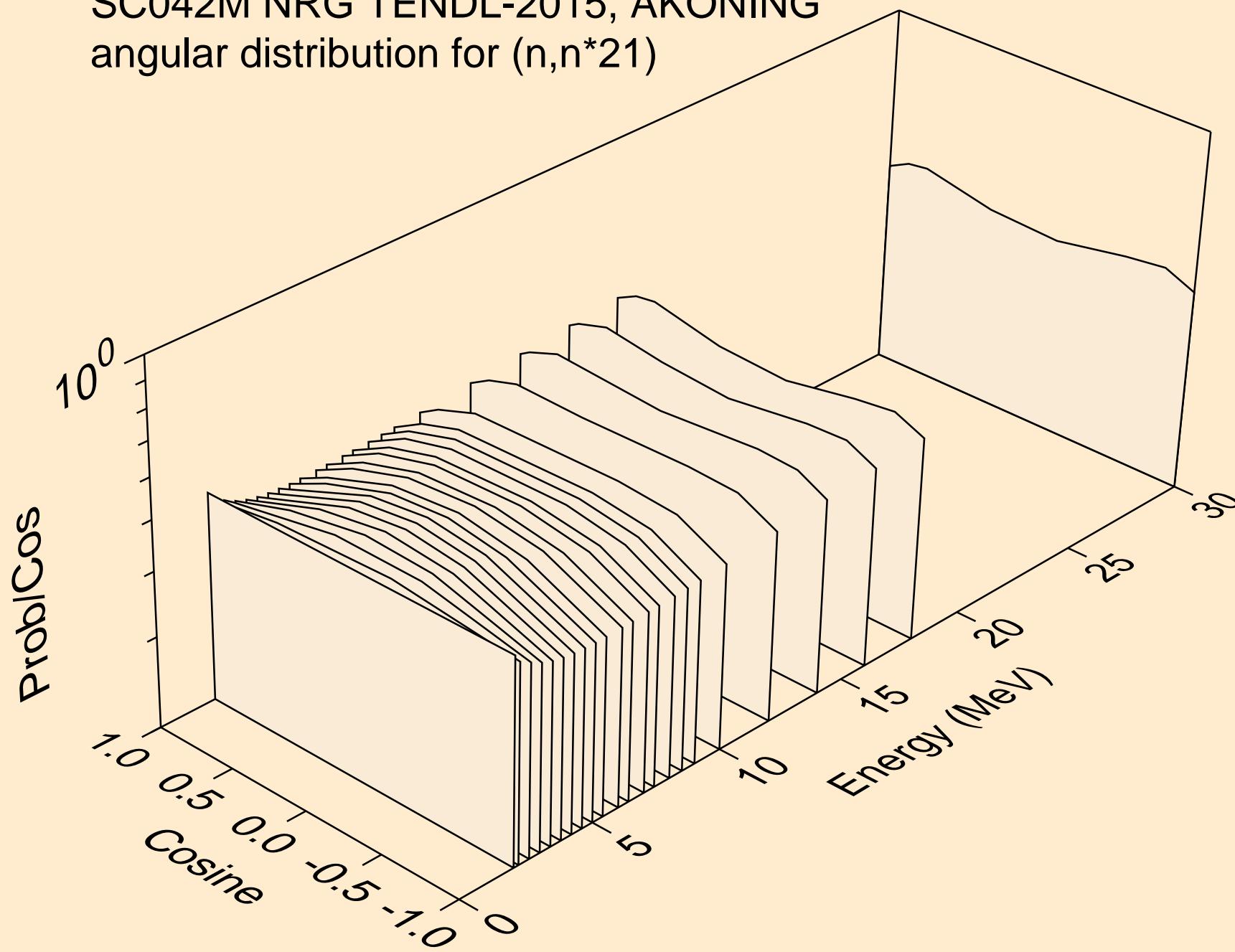
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angular distribution for (n,n\*19)



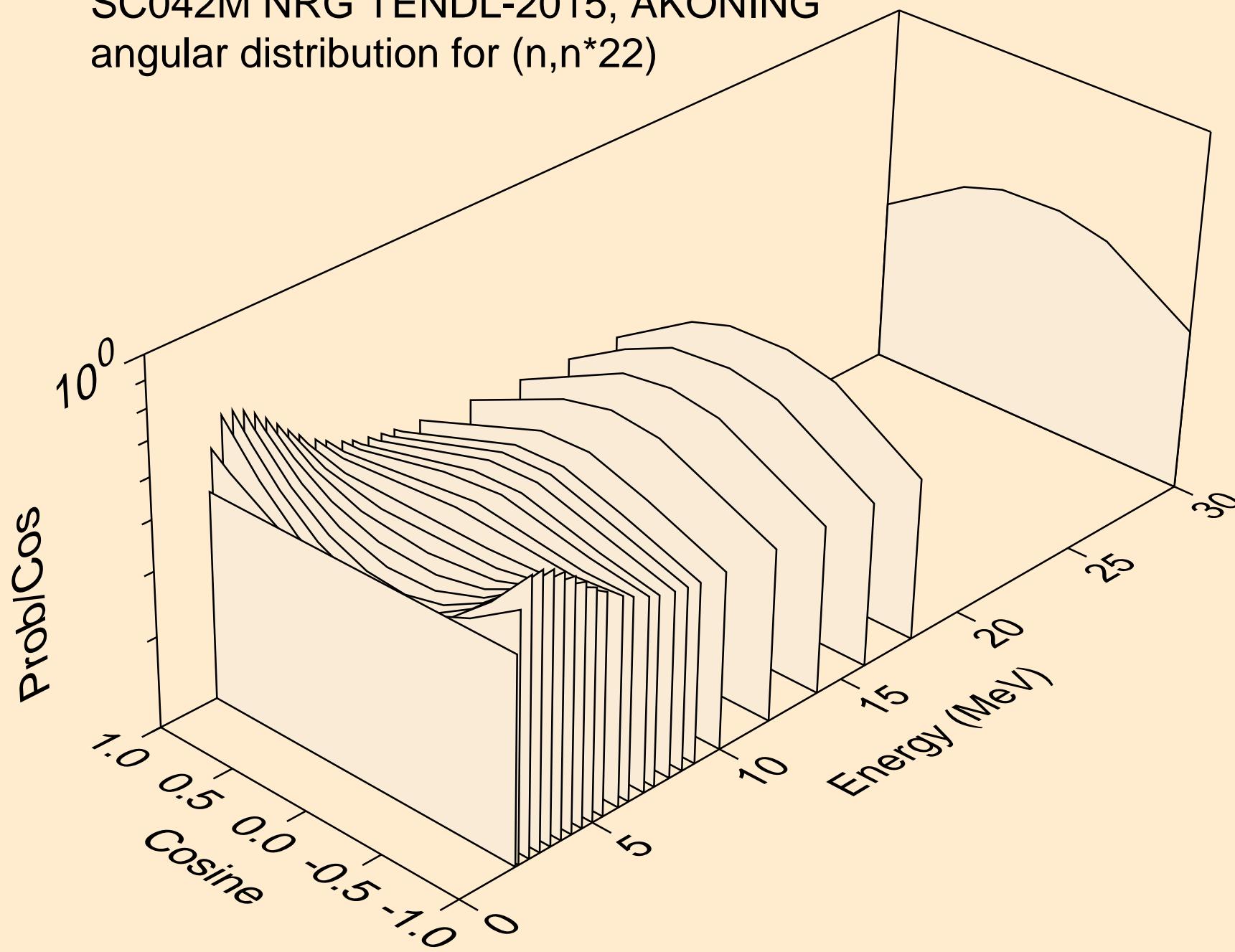
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angular distribution for (n,n\*20)



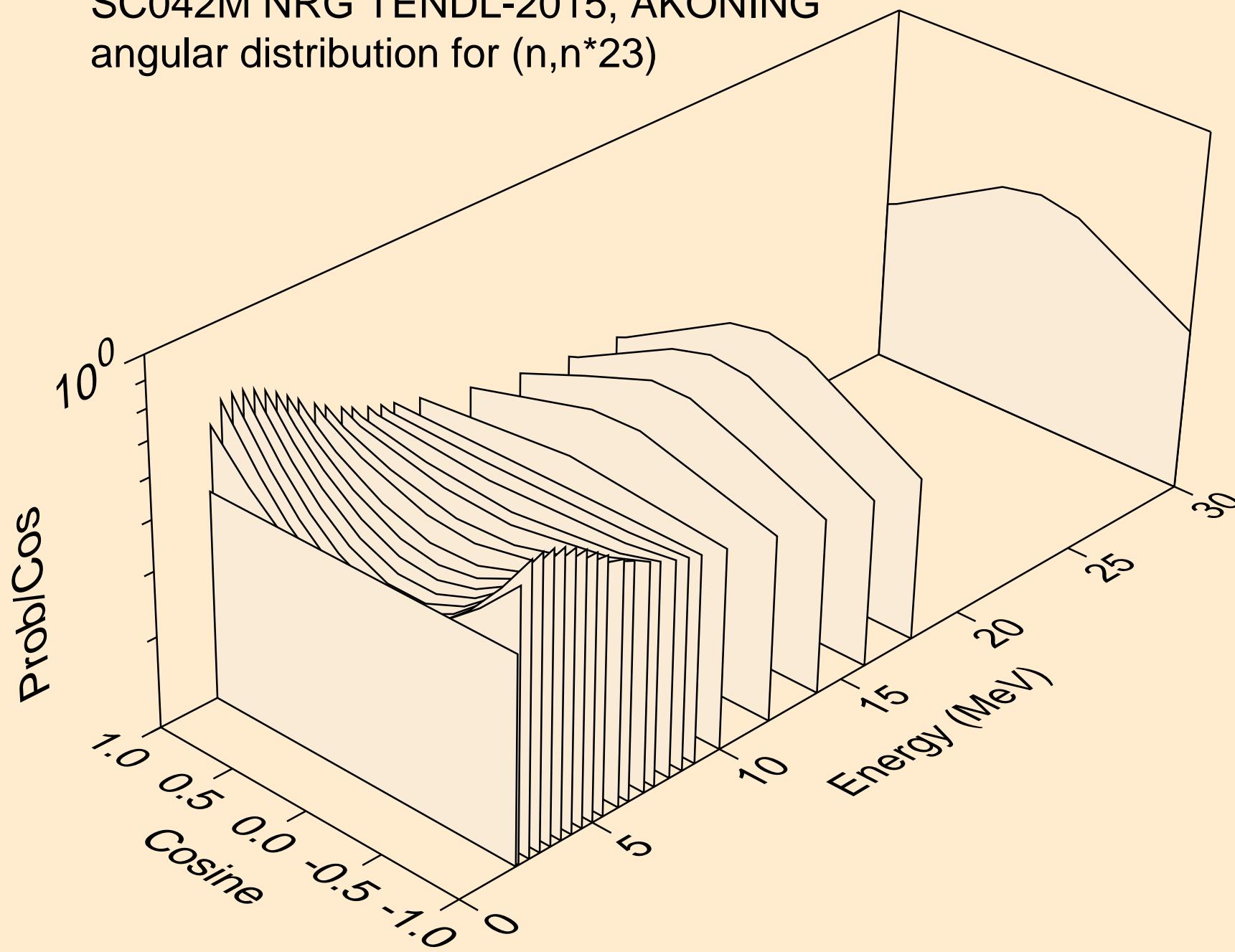
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angular distribution for (n,n\*21)



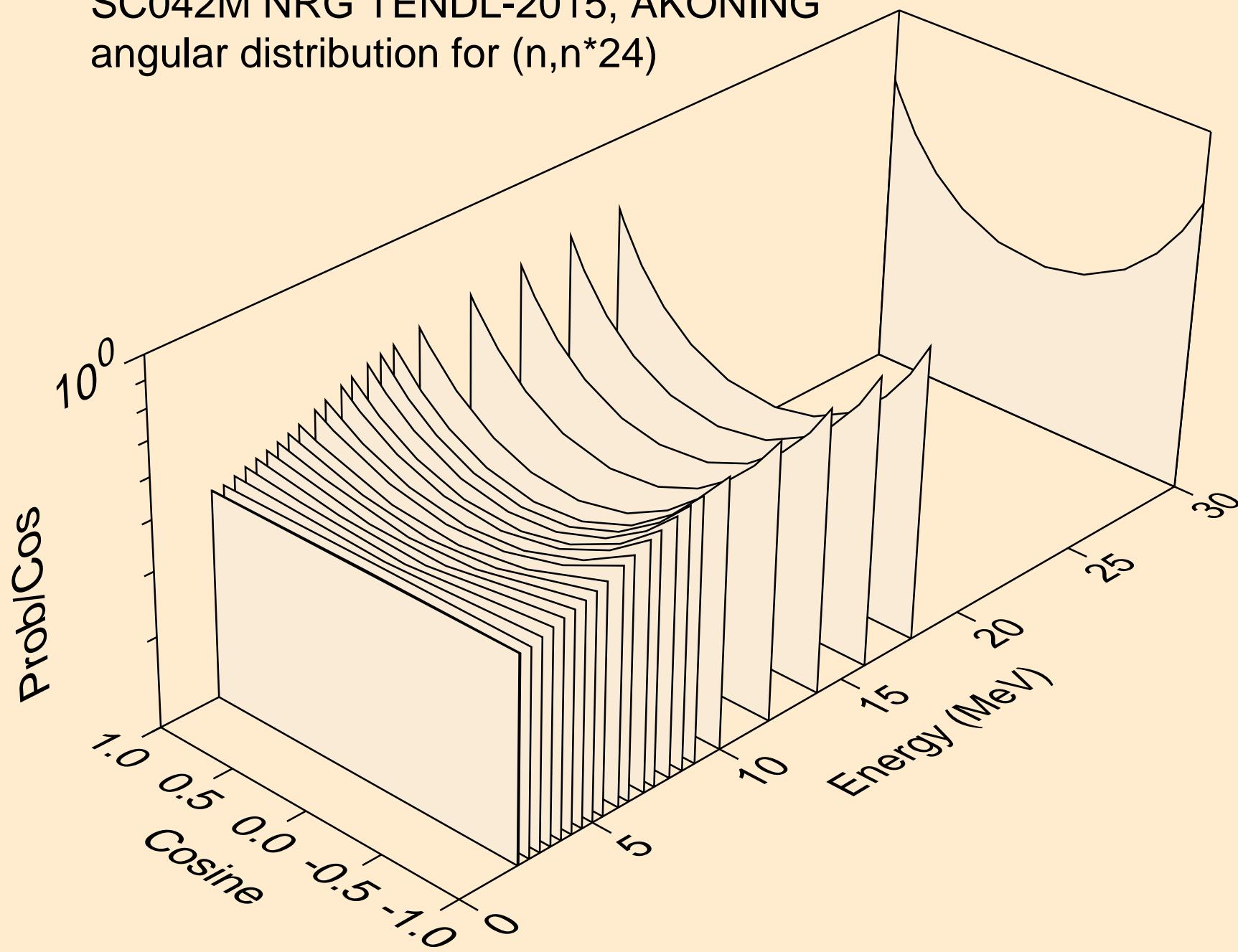
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angular distribution for (n,n\*22)



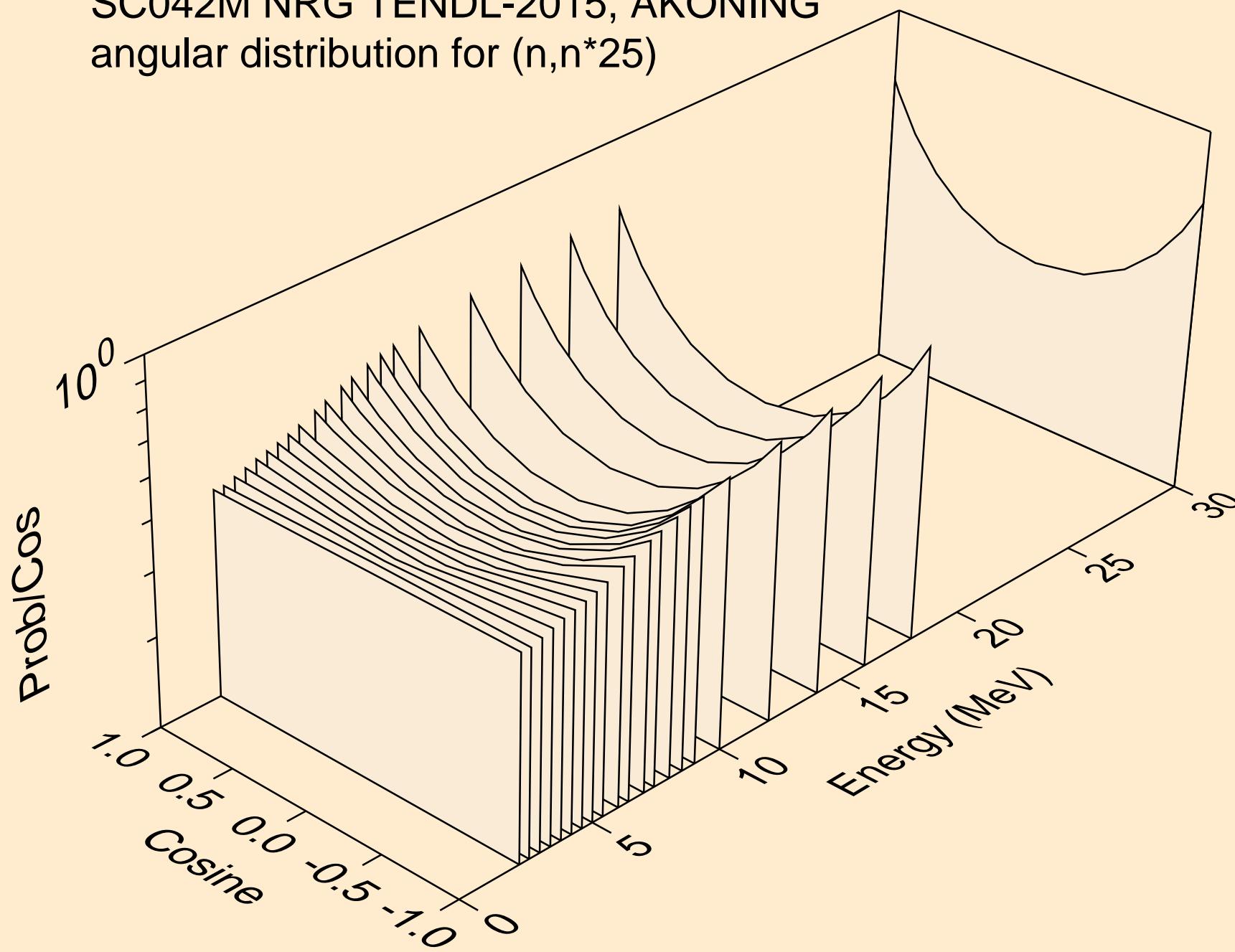
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angular distribution for  $(n,n^*)_{23}$



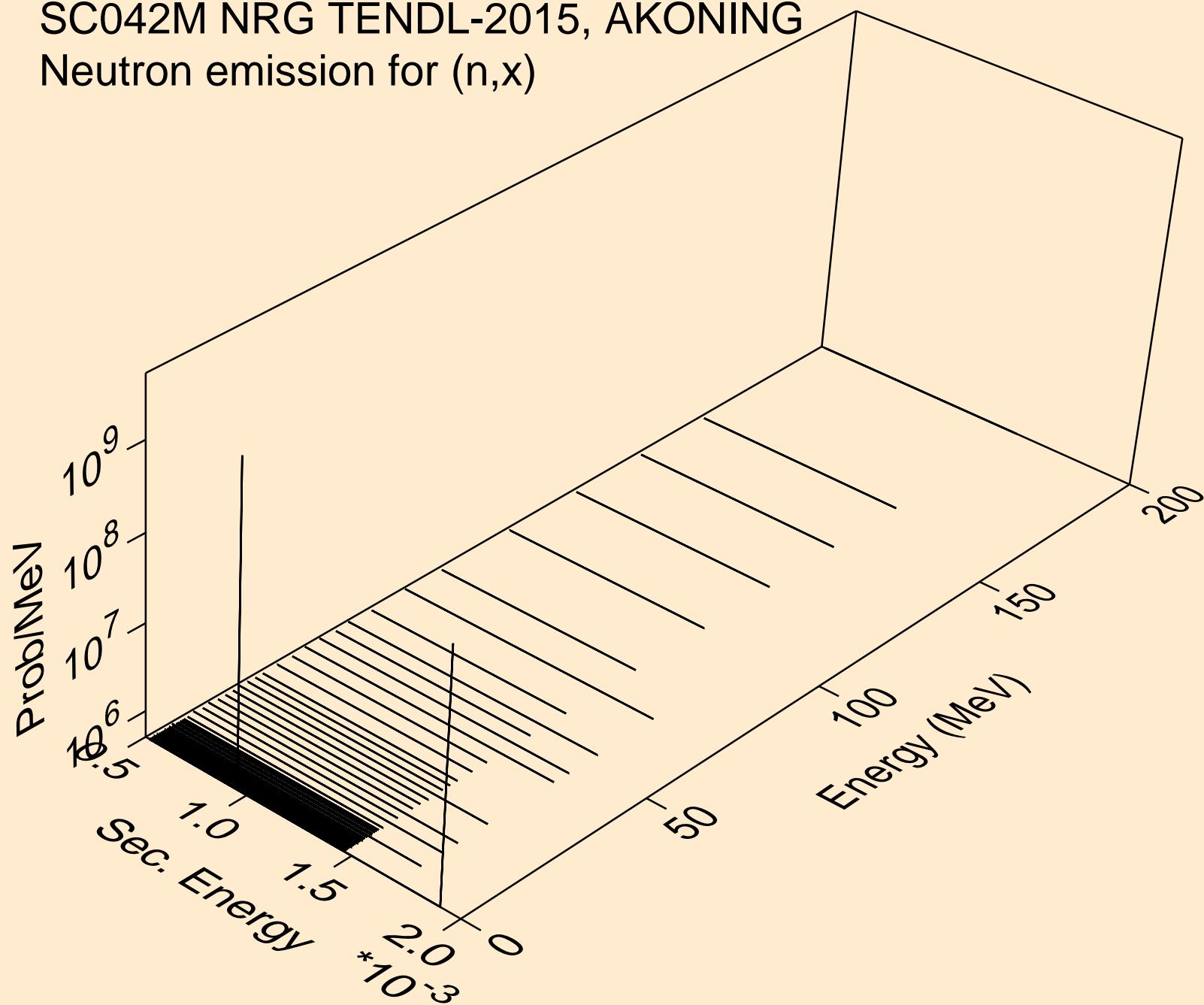
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angular distribution for (n,n\*24)



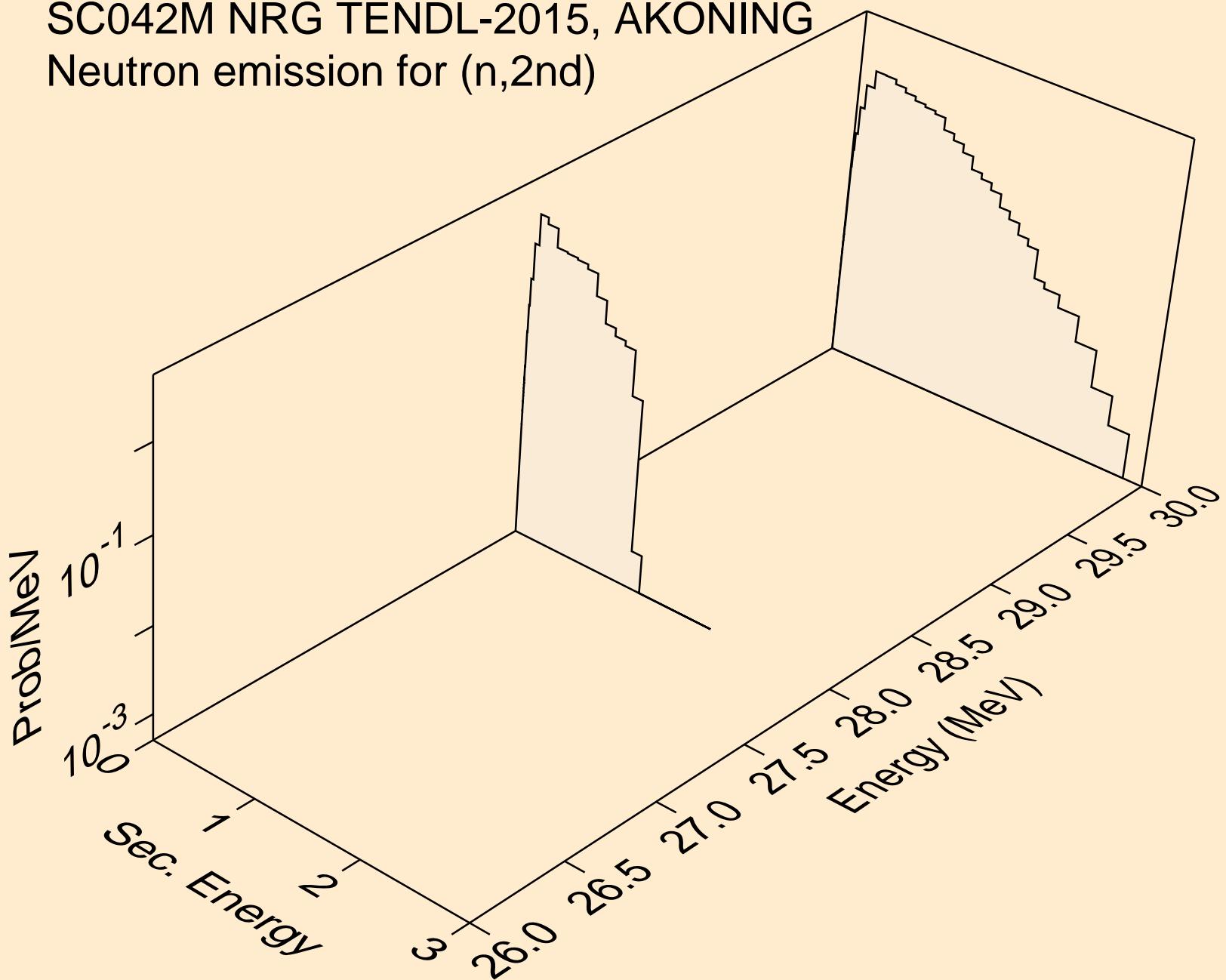
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angular distribution for (n,n\*25)



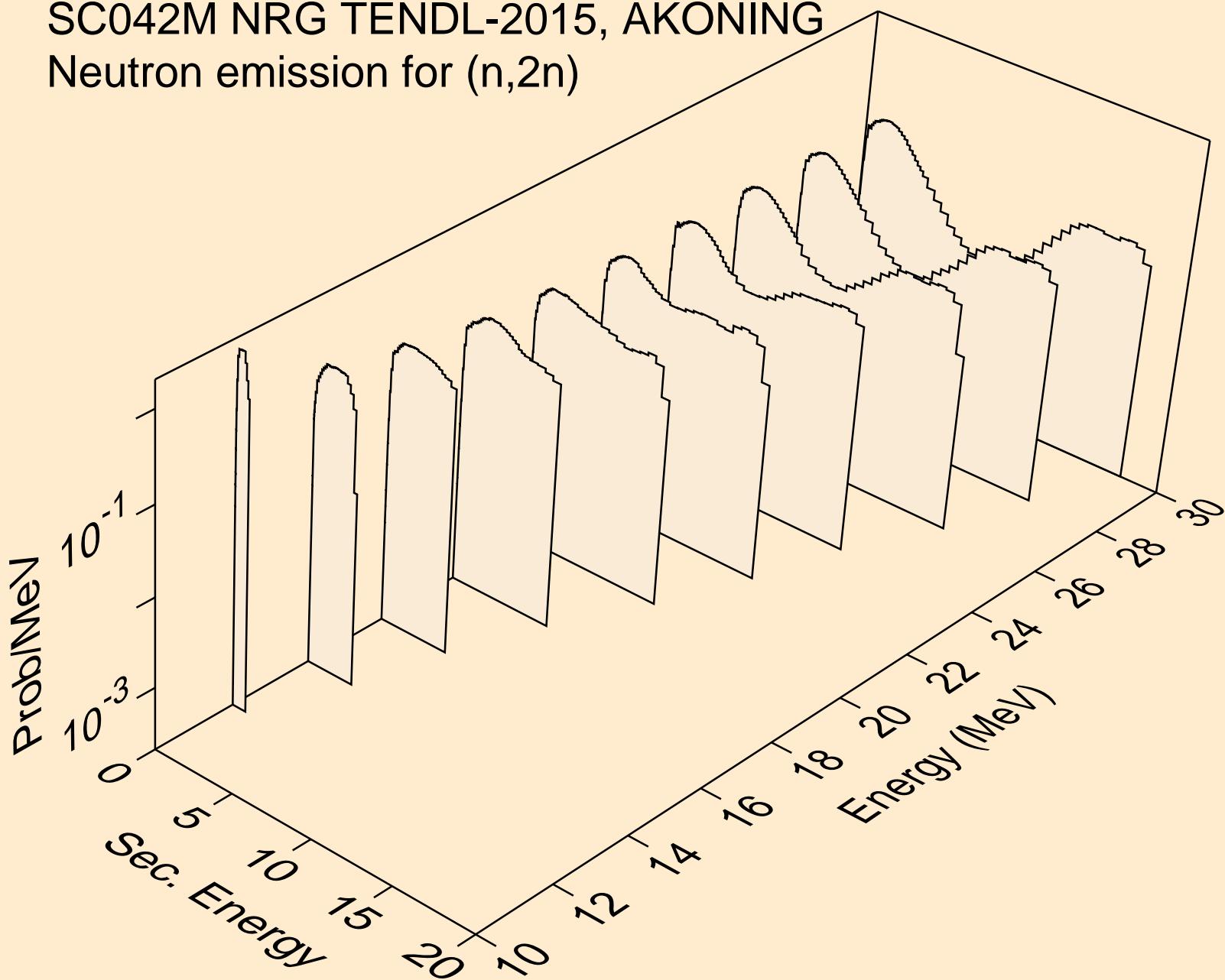
SC042M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



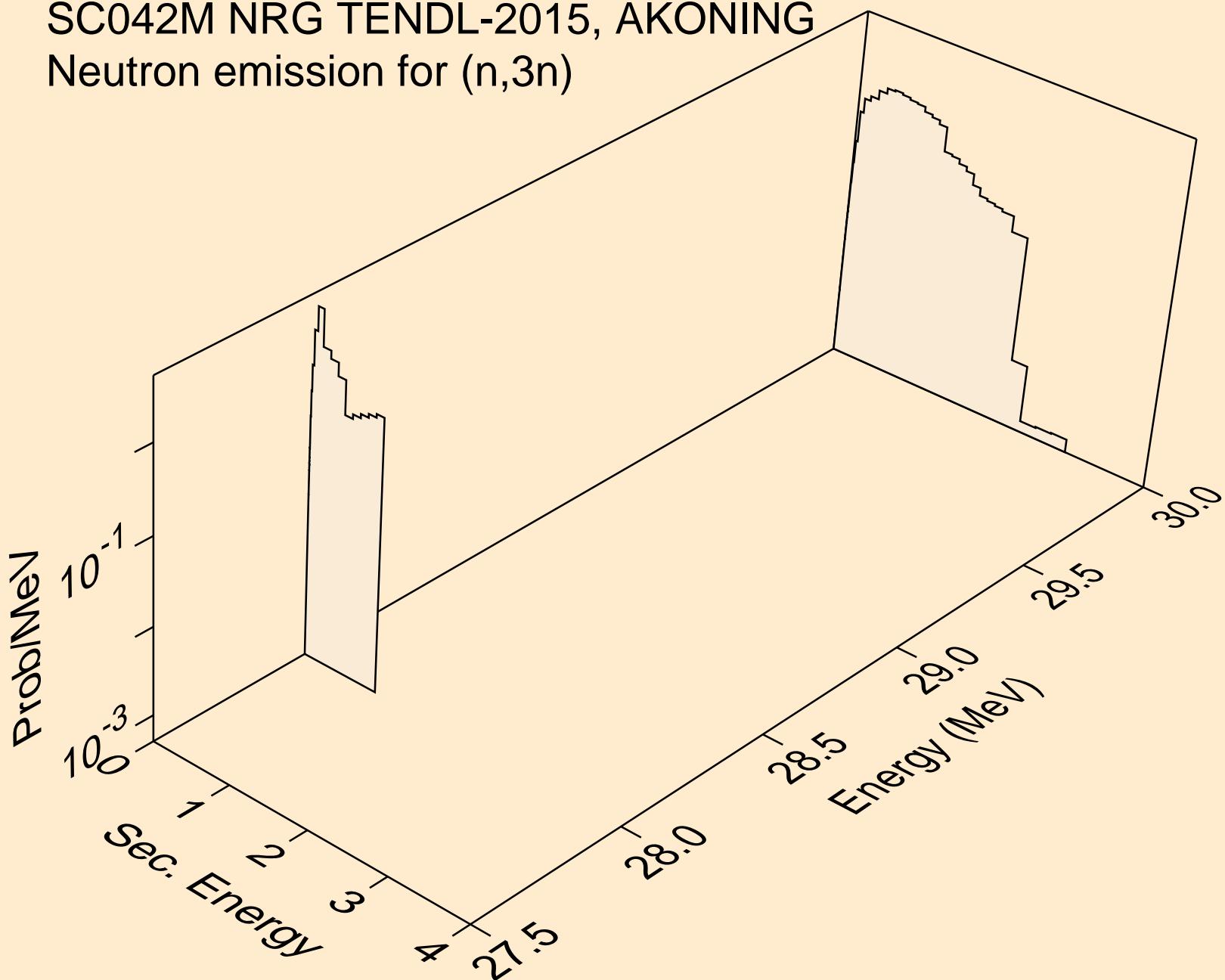
SC042M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



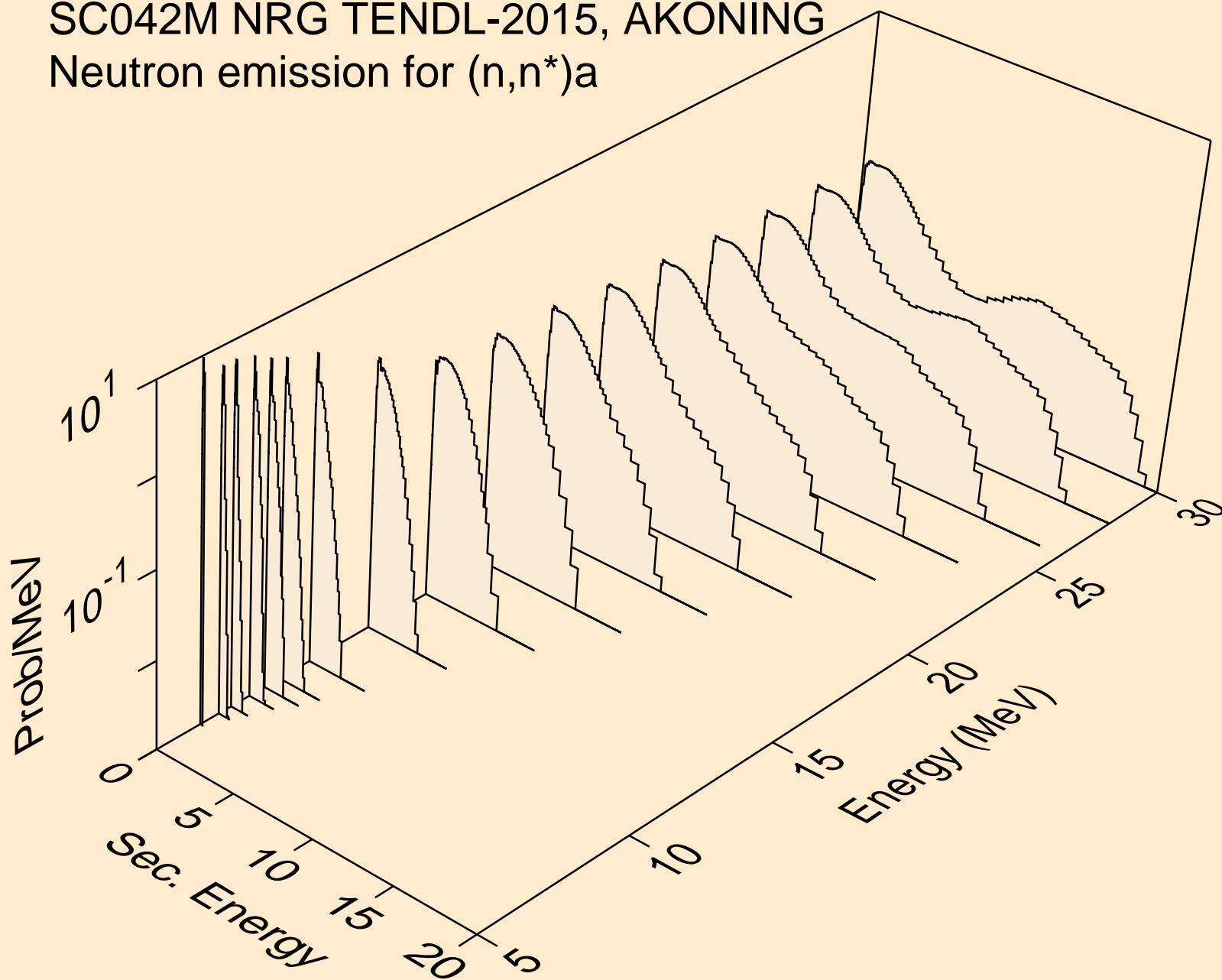
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Neutron emission for (n,2n)



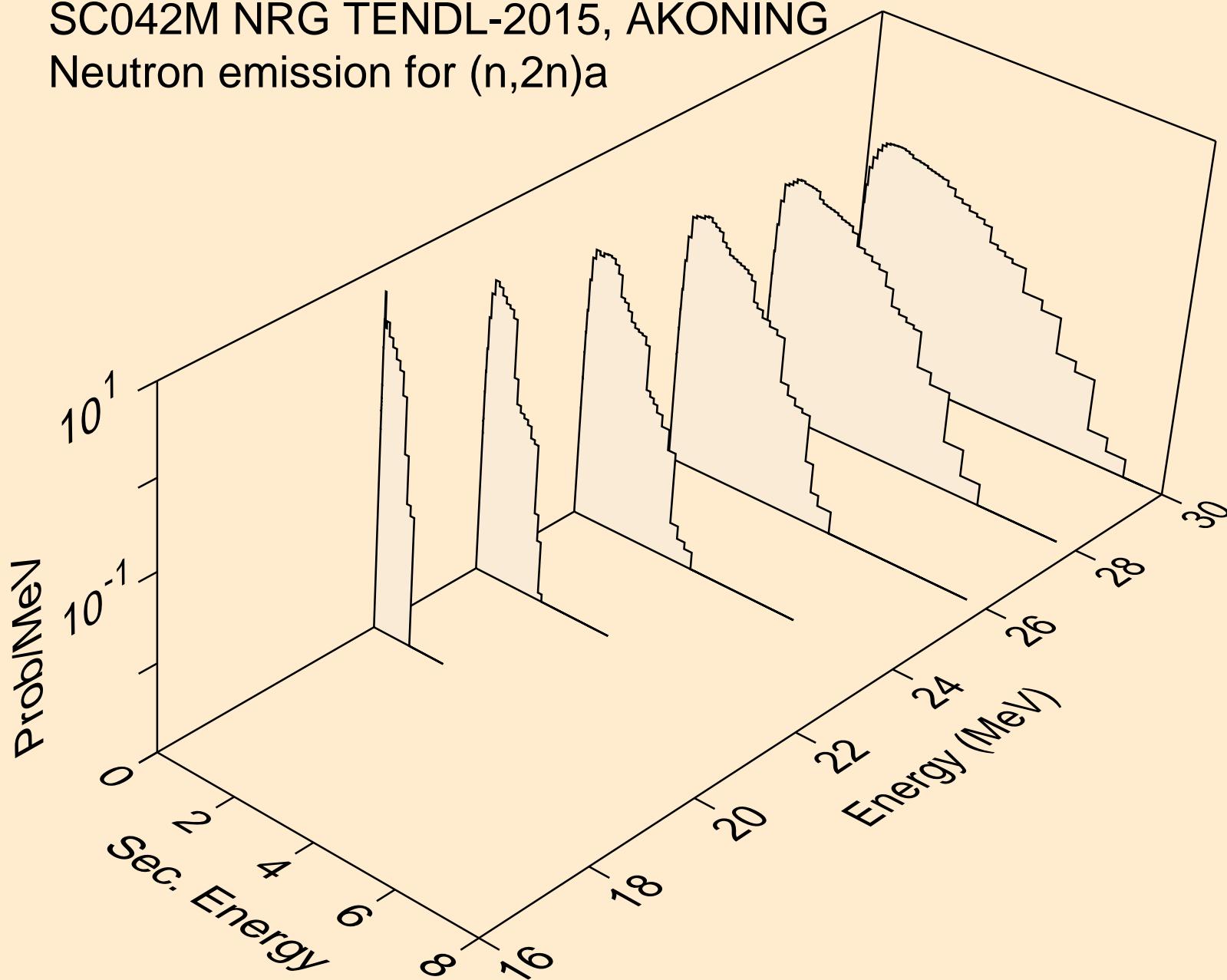
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Neutron emission for (n,3n)



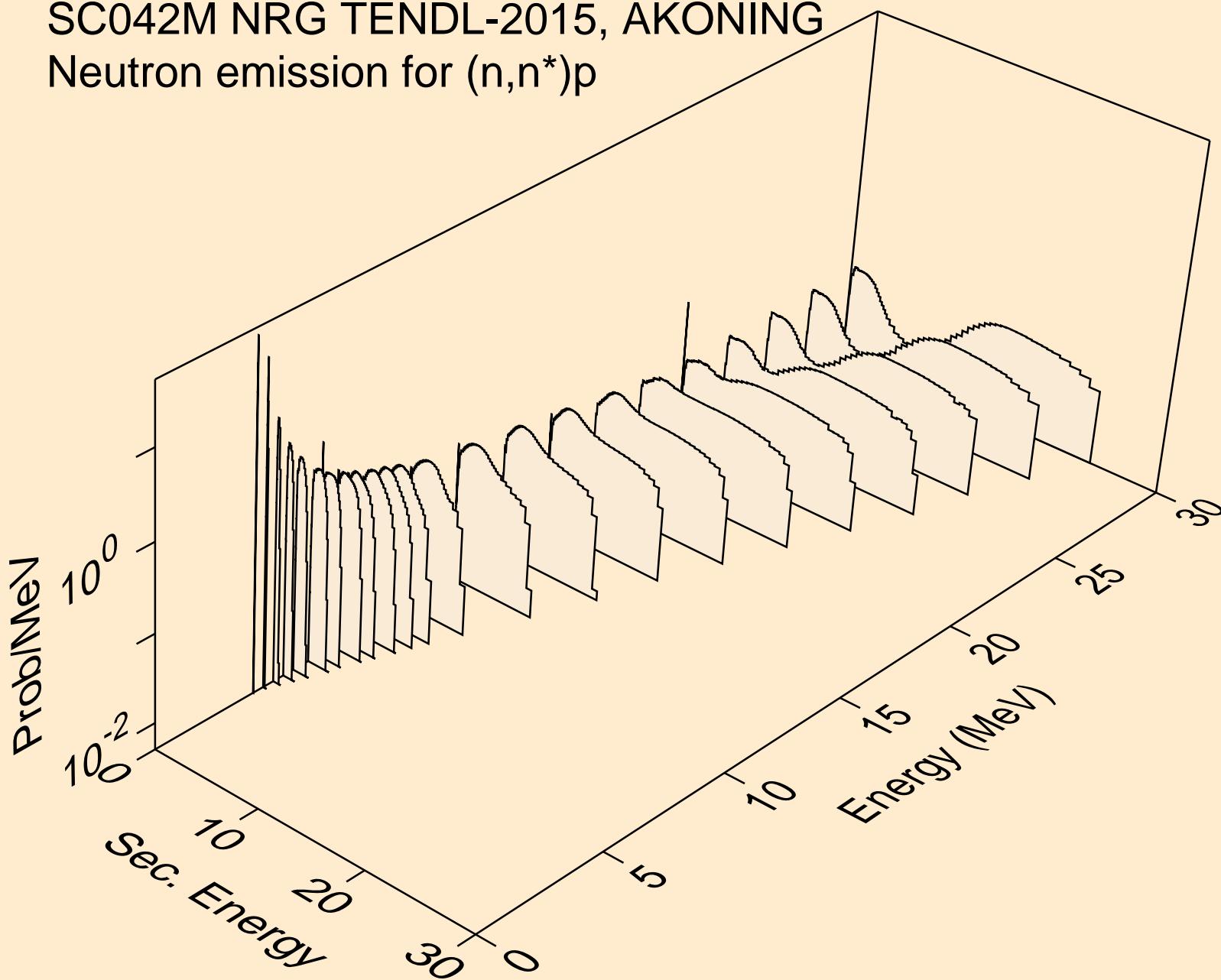
SC042M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



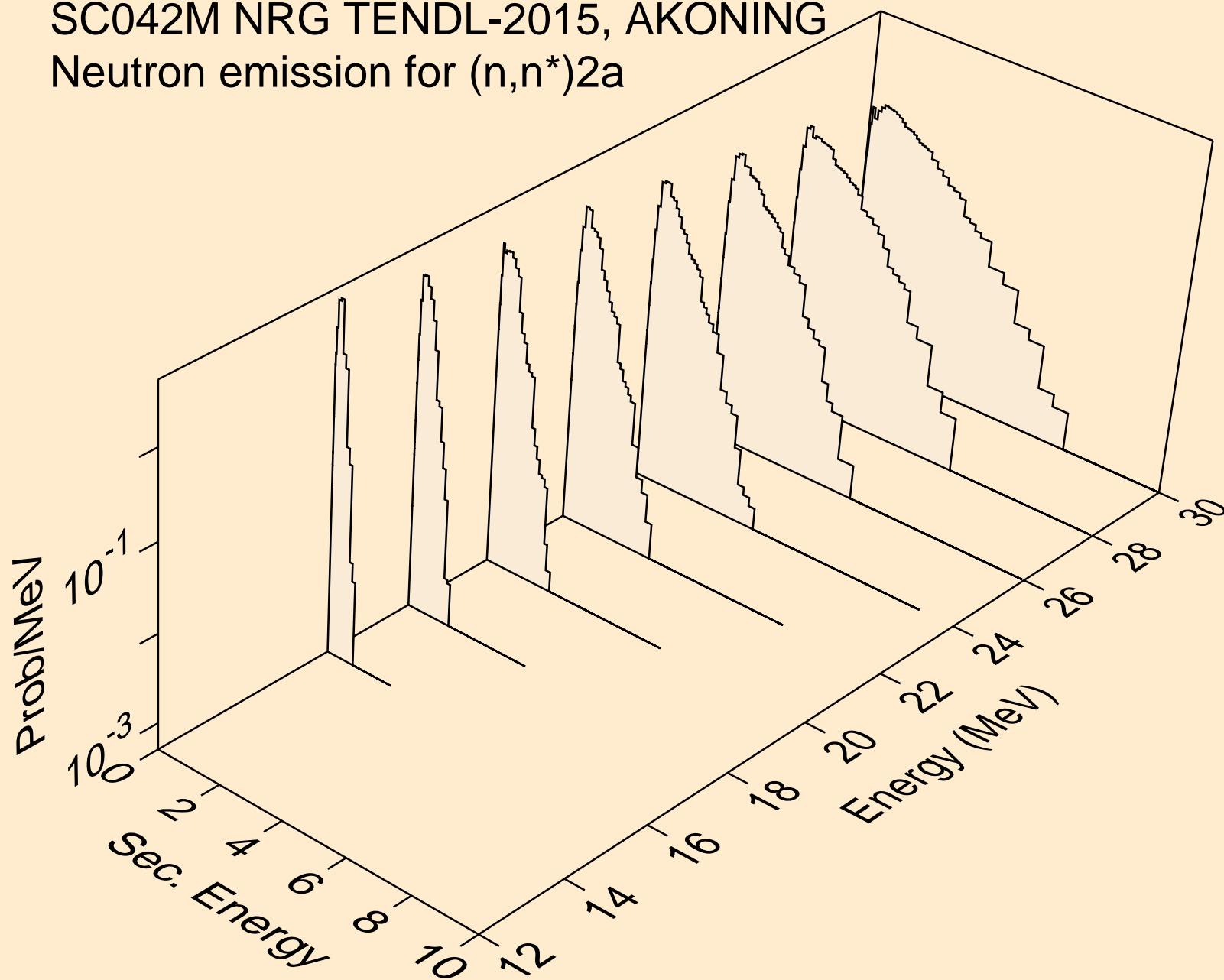
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Neutron emission for  $(n,2n)a$



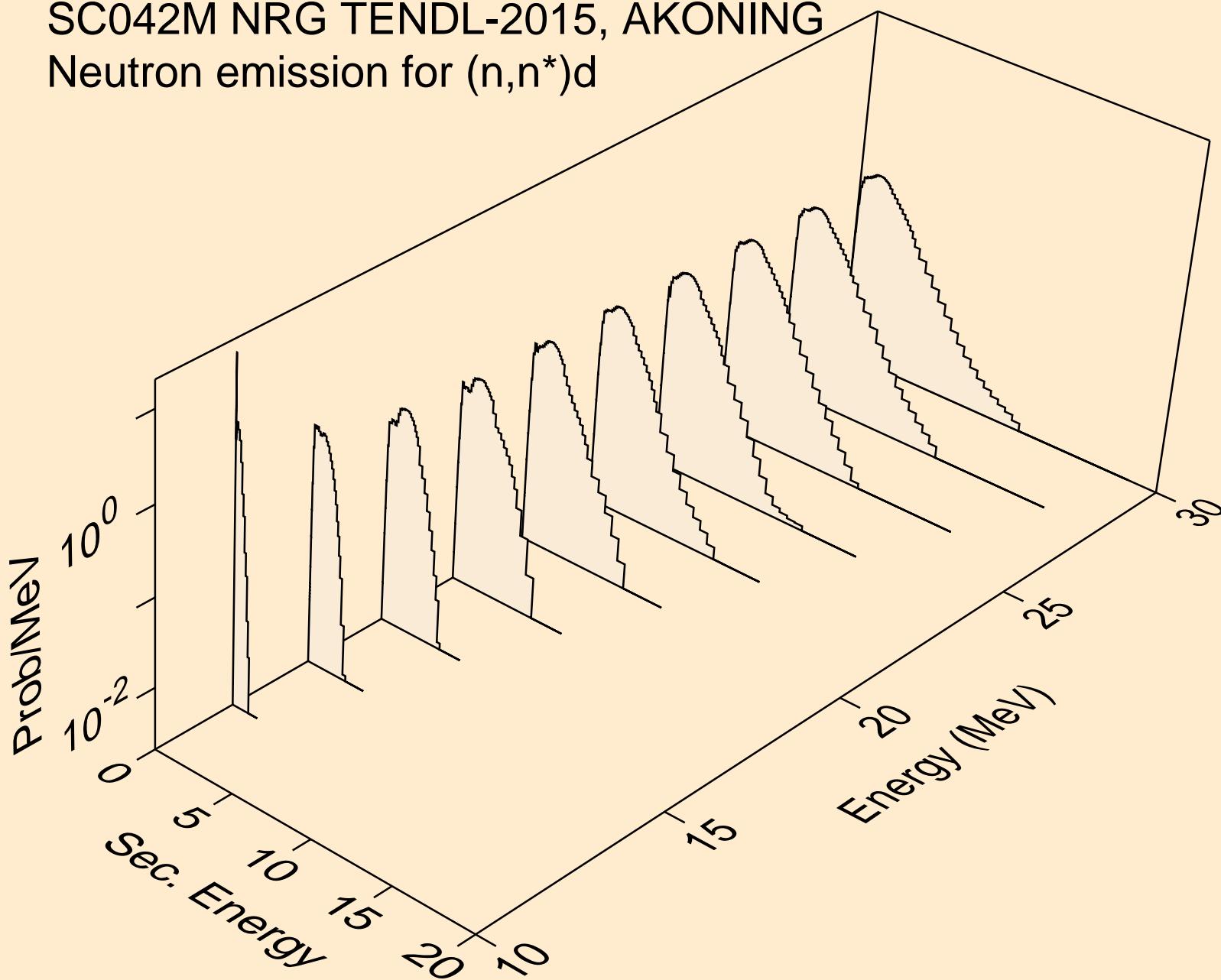
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Neutron emission for  $(n,n^*)p$



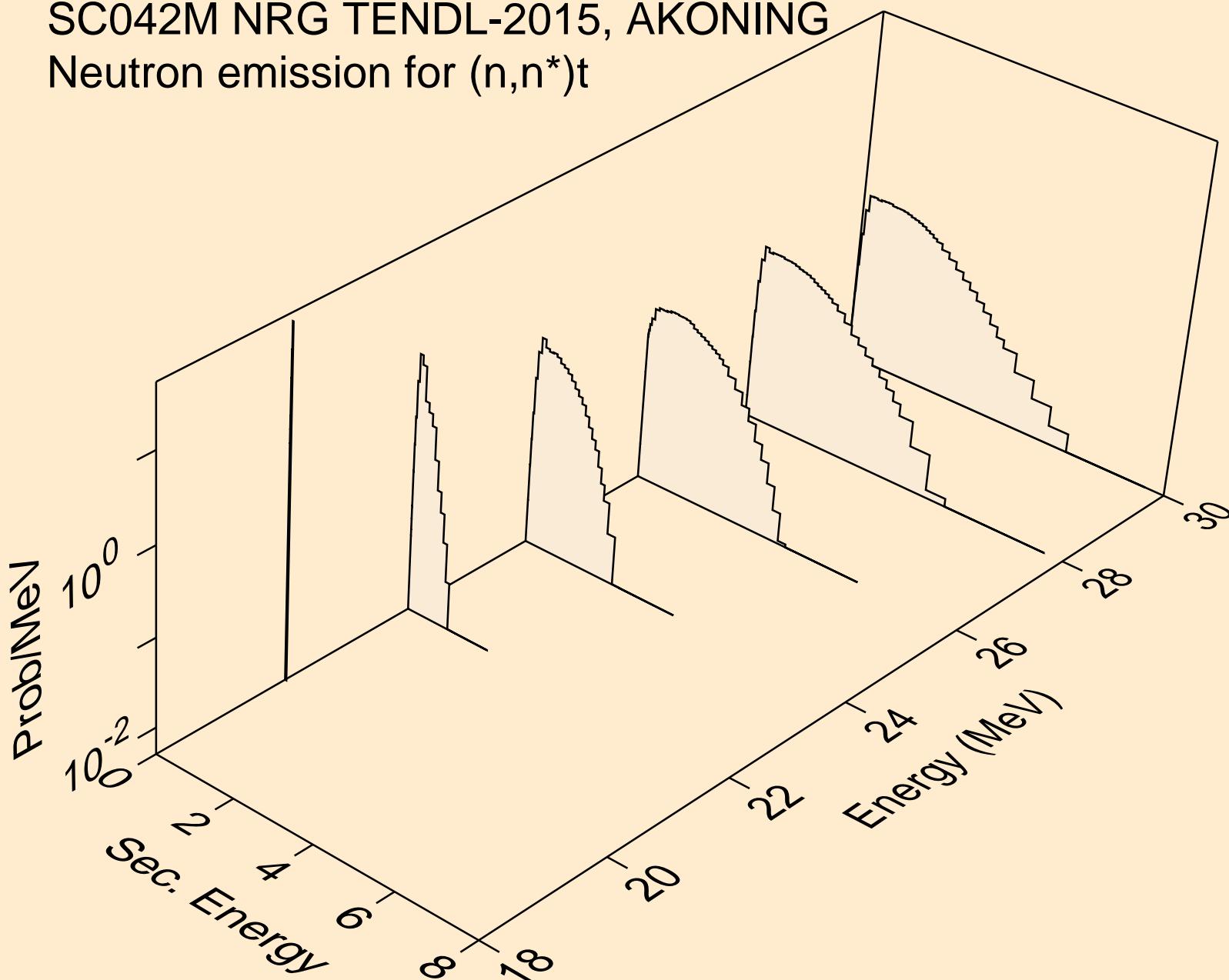
SC042M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



SC042M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$

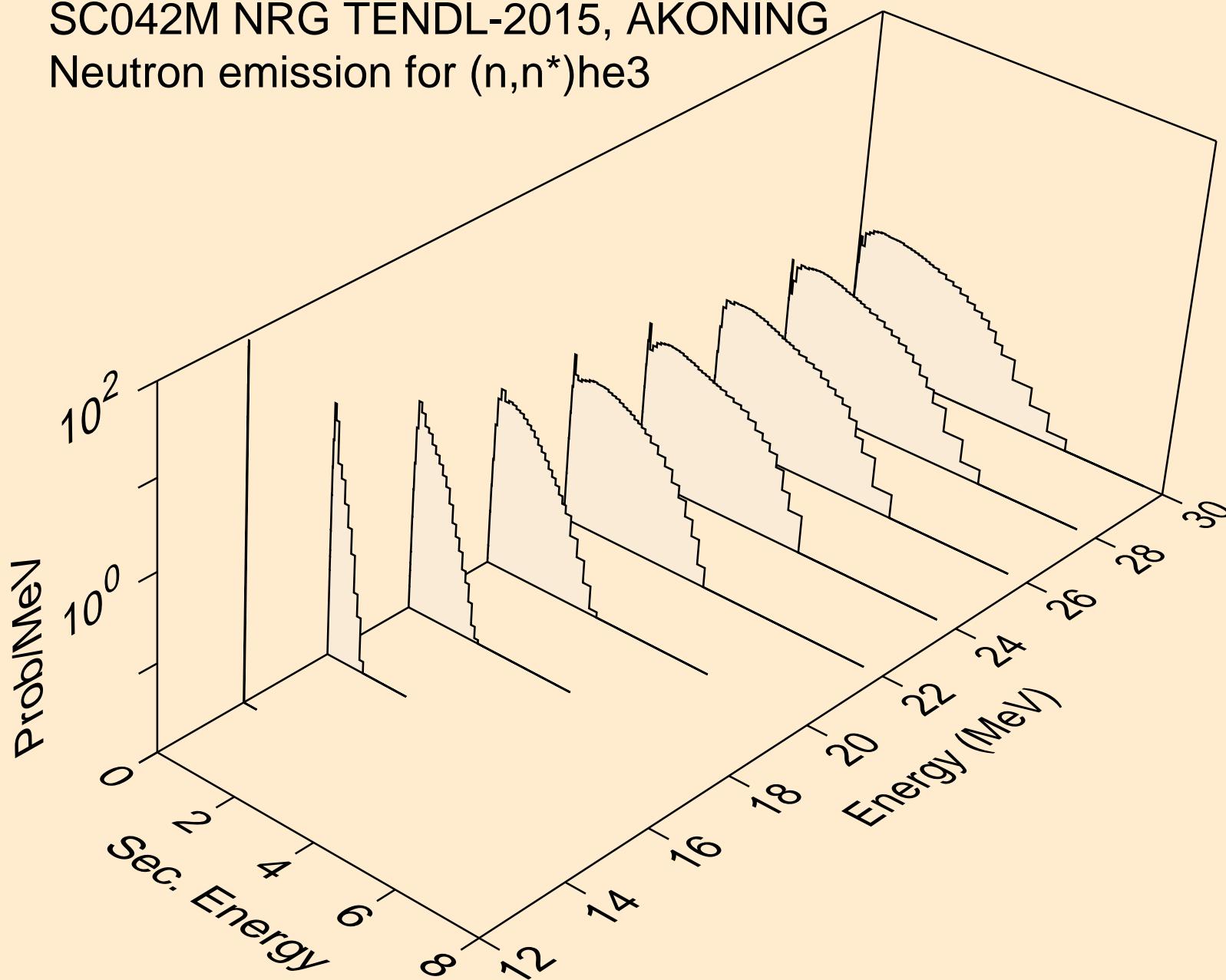


SC042M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$

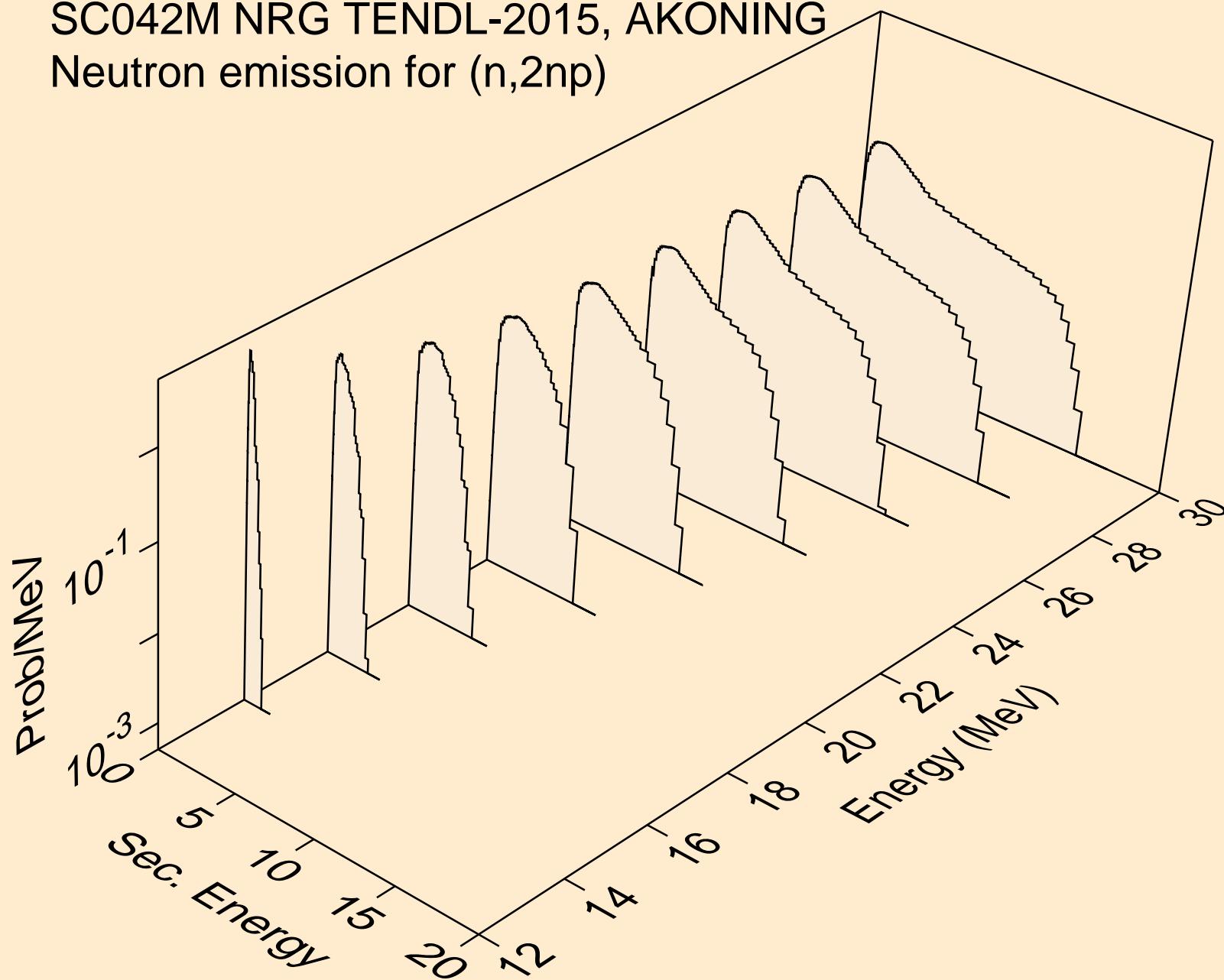


SC042M NRG TENDL-2015, AKONING

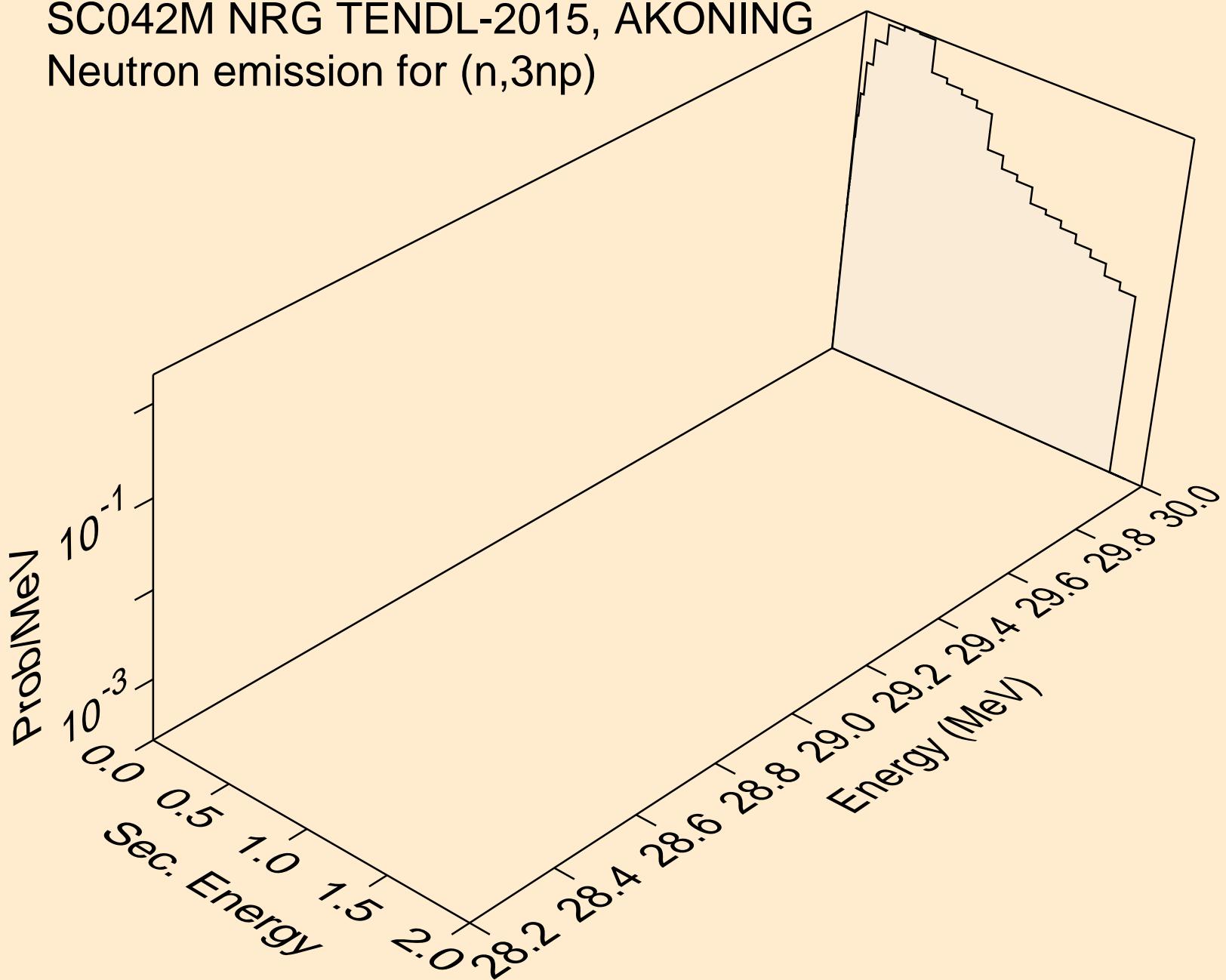
Neutron emission for  $(n,n^*)\text{he3}$



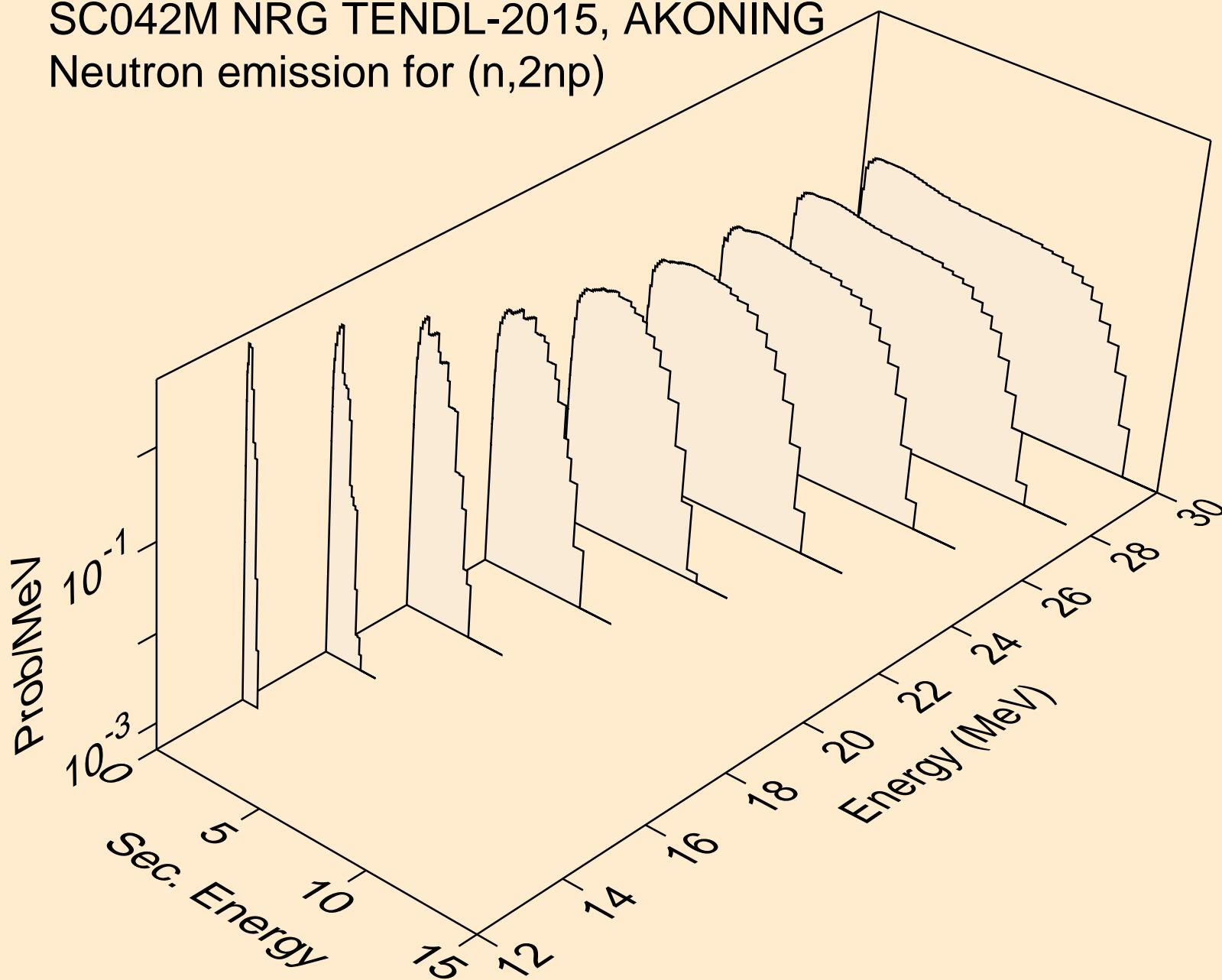
SC042M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



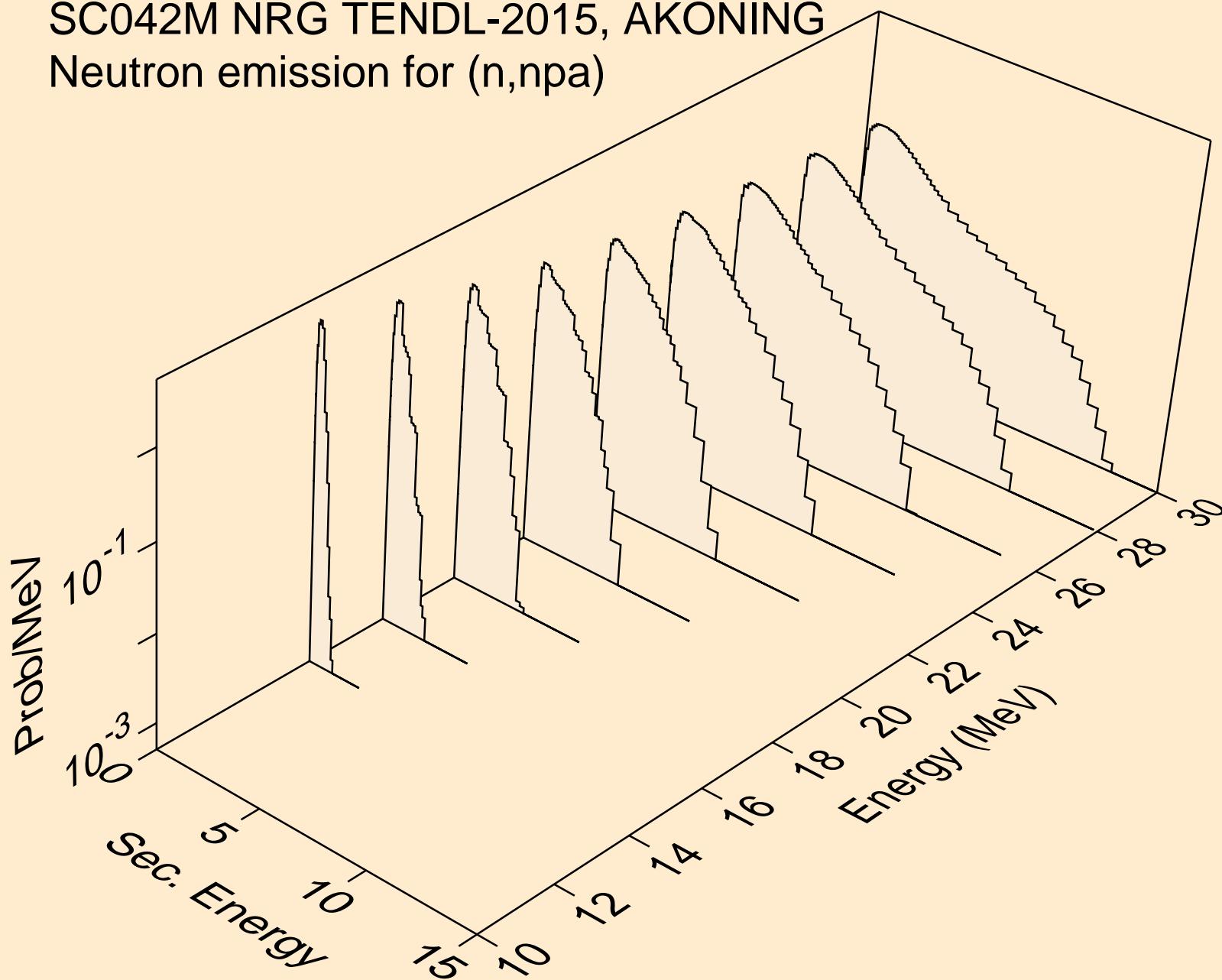
SC042M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



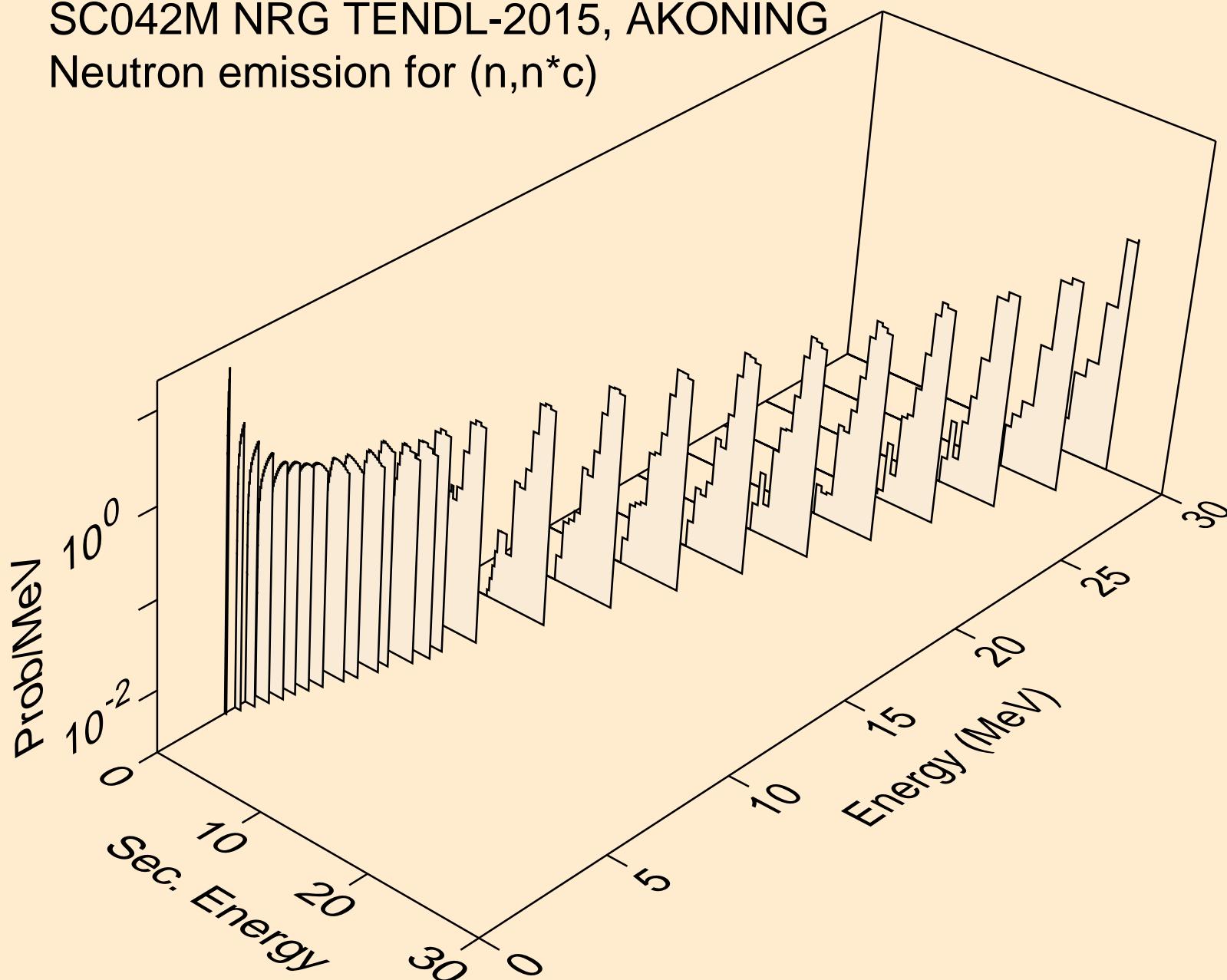
SC042M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



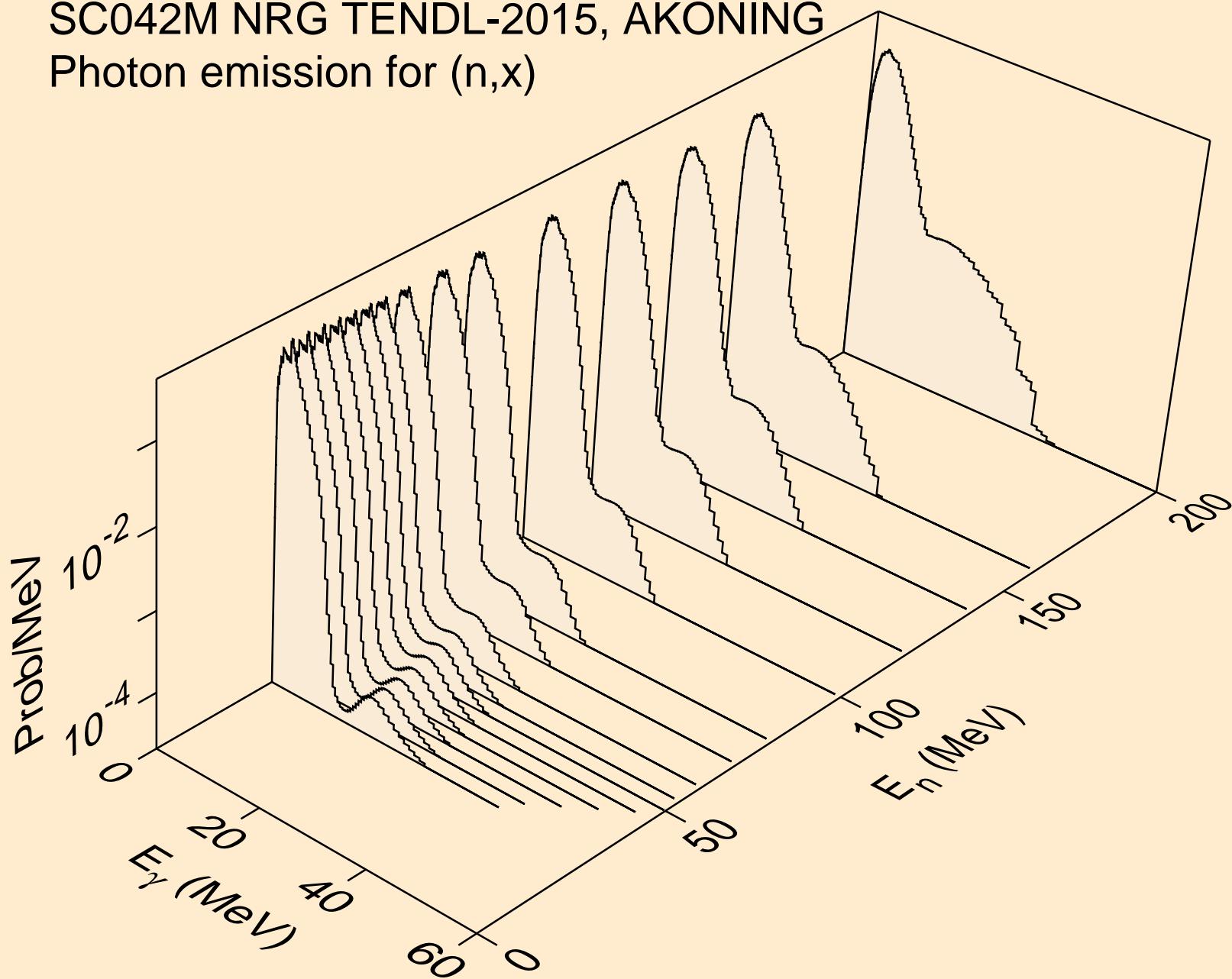
SC042M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



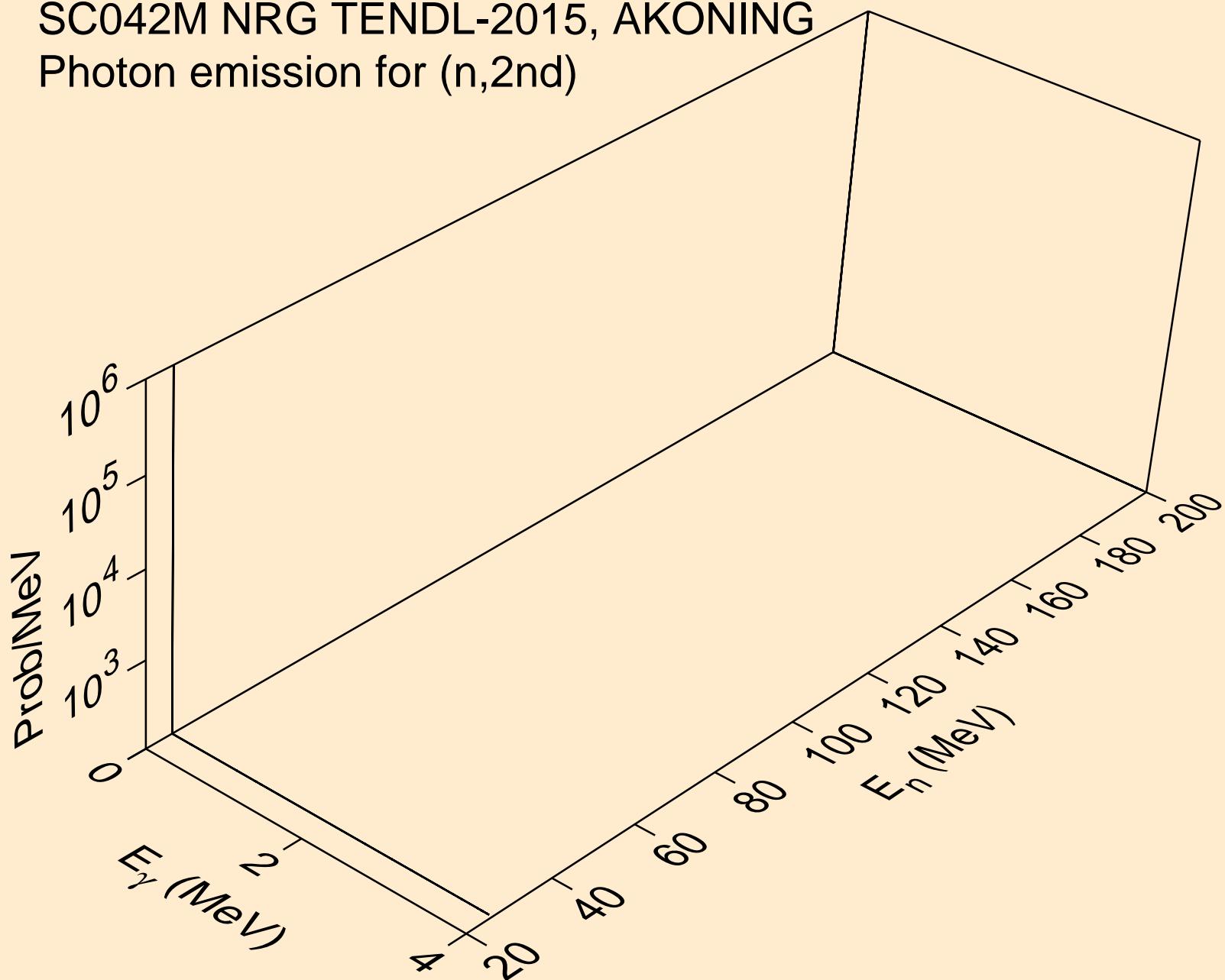
SC042M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



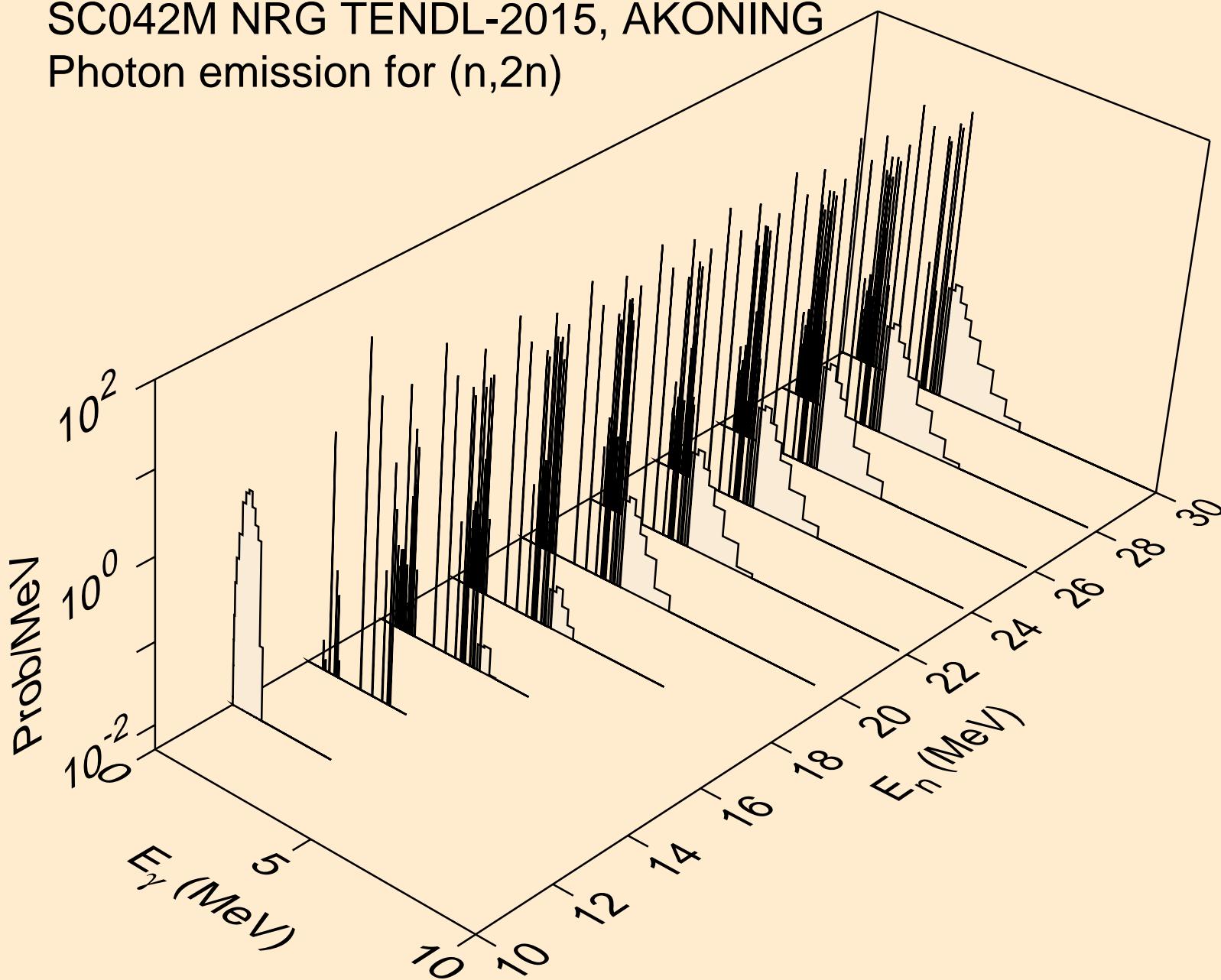
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,x)



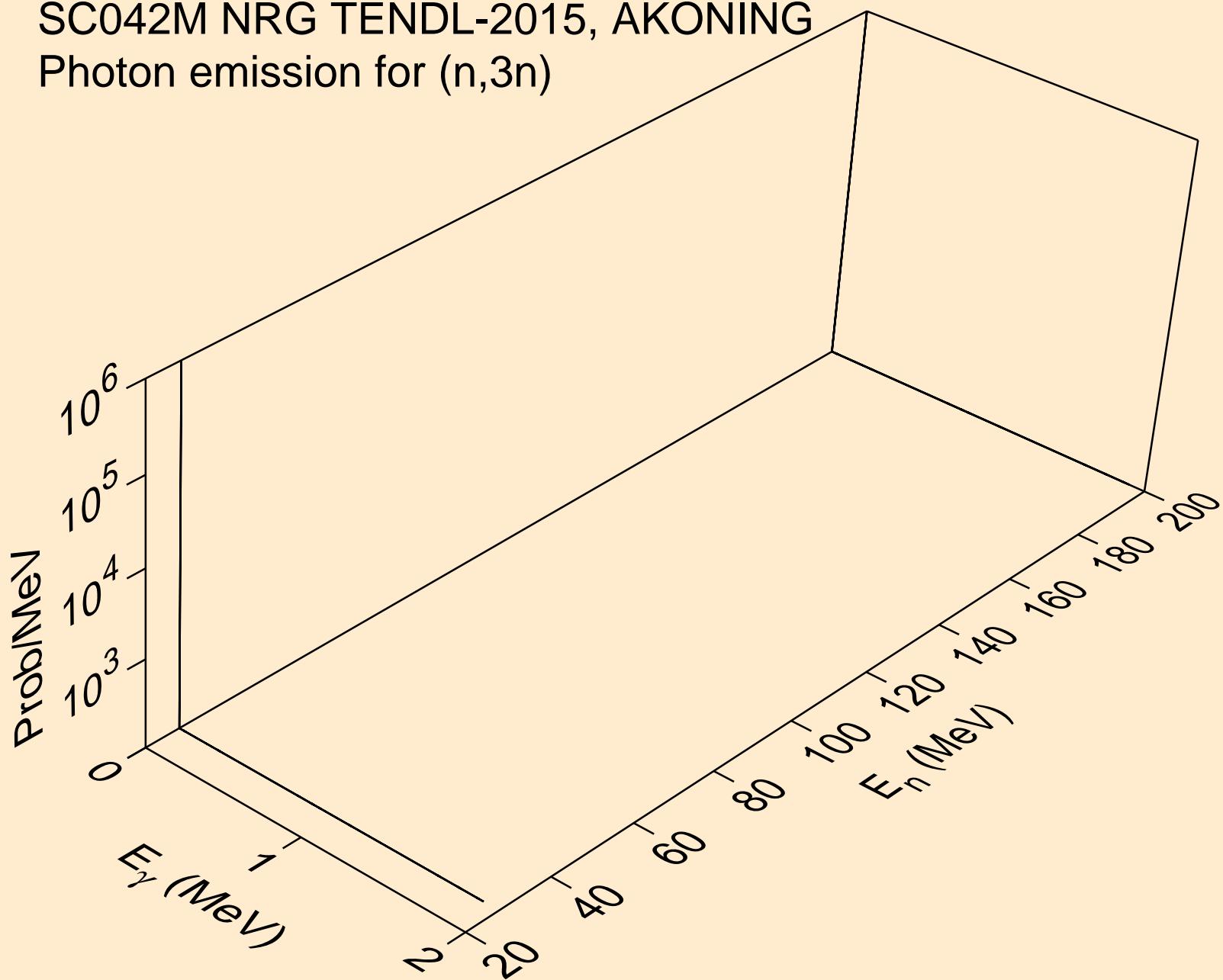
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



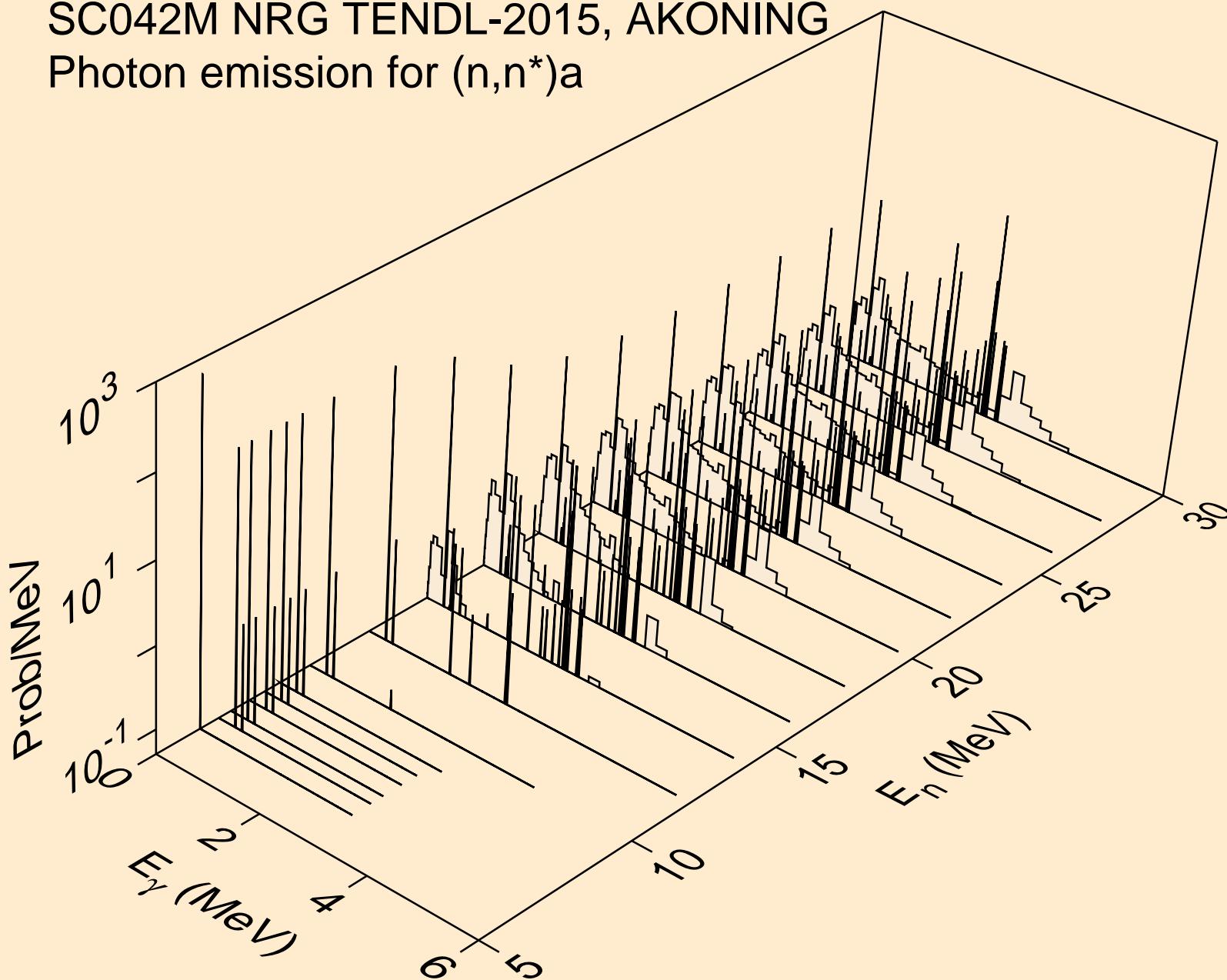
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



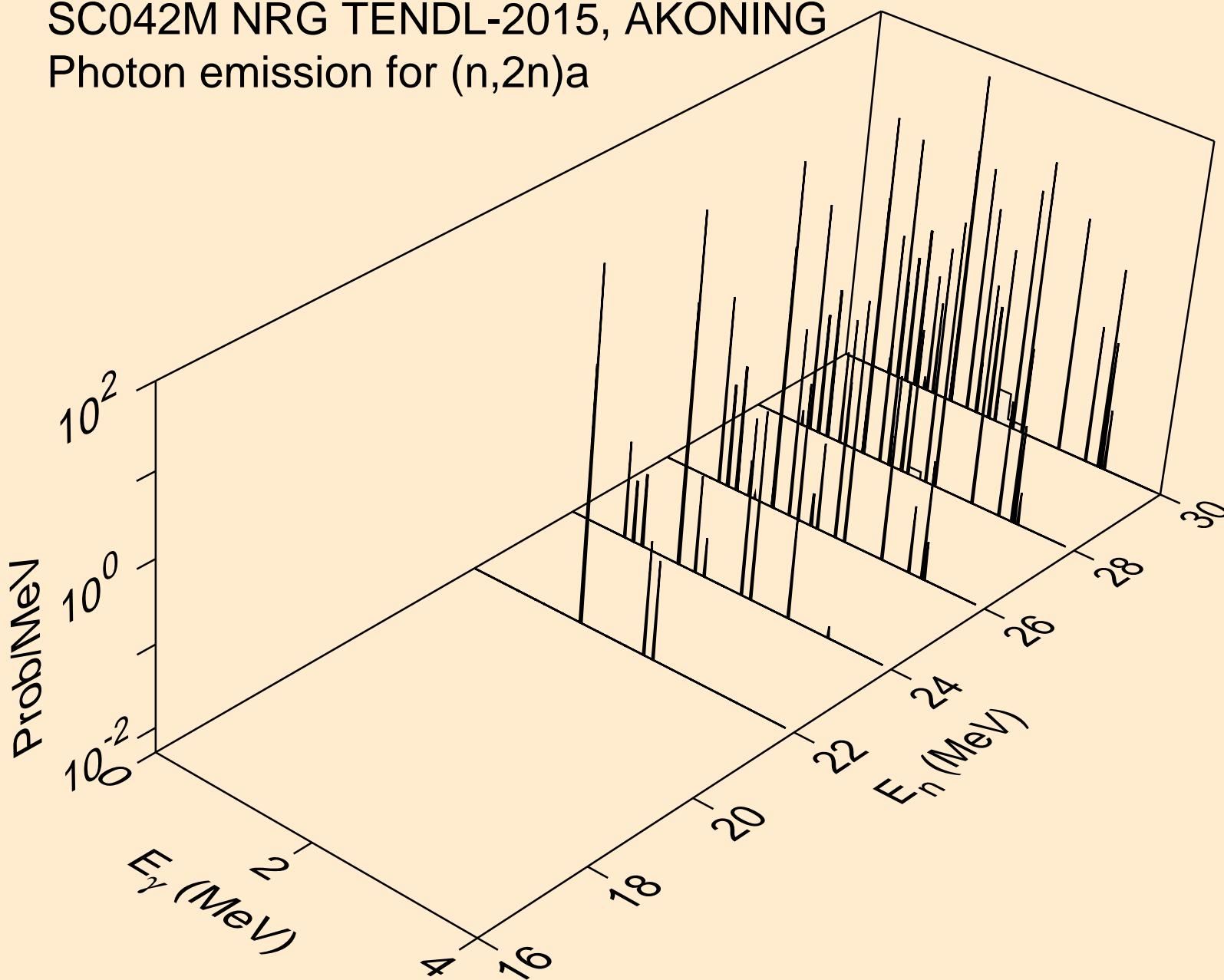
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



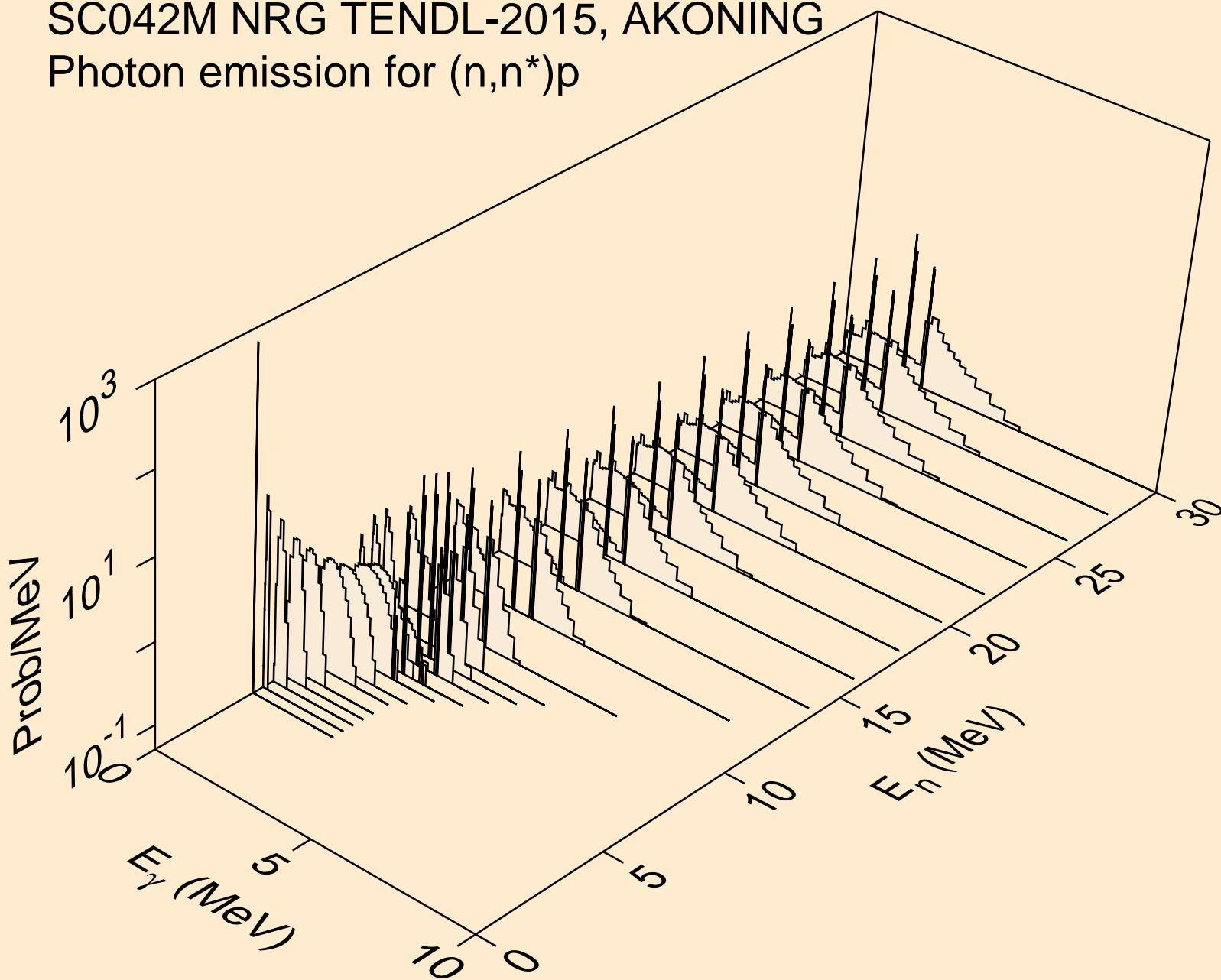
SC042M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



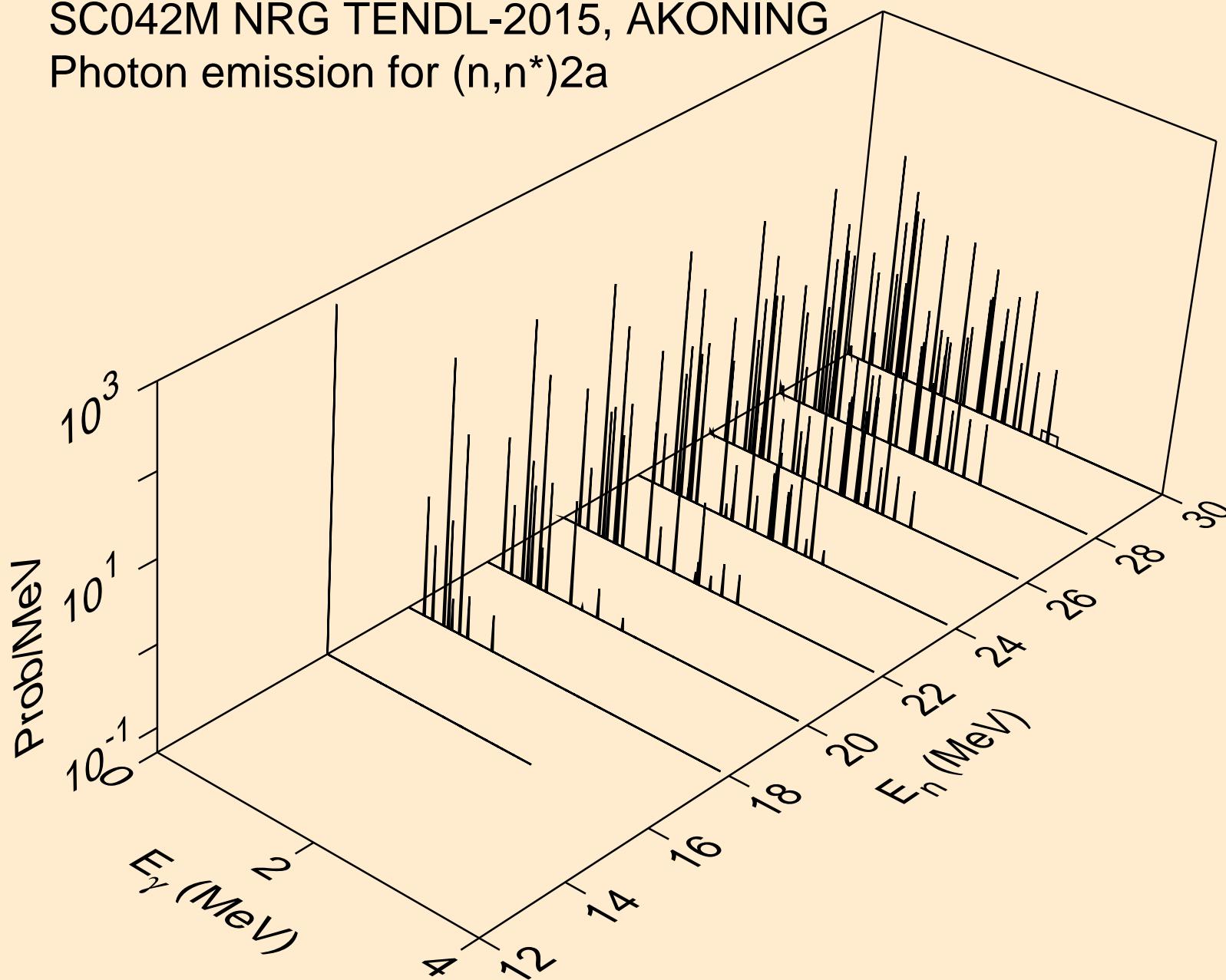
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



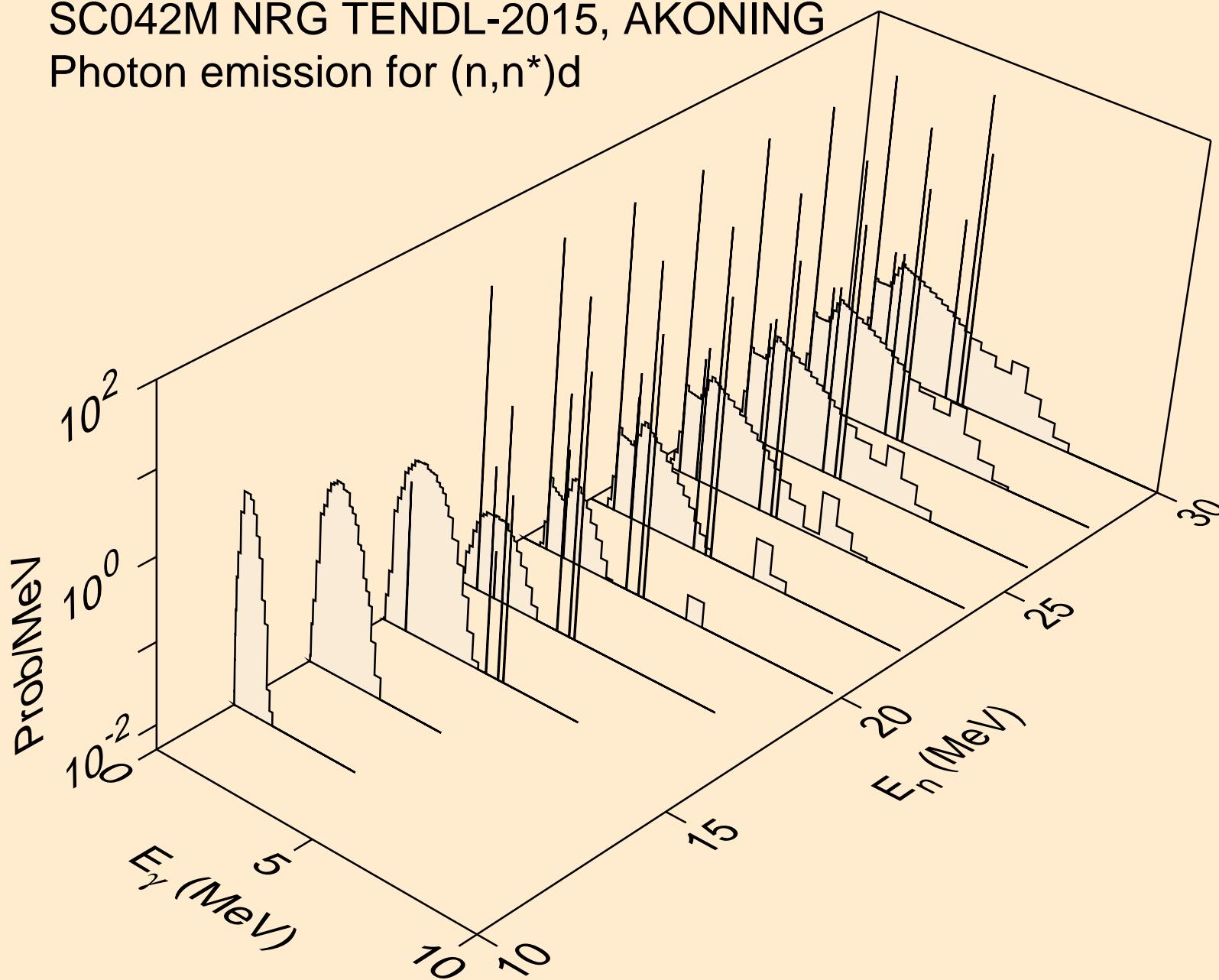
SC042M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



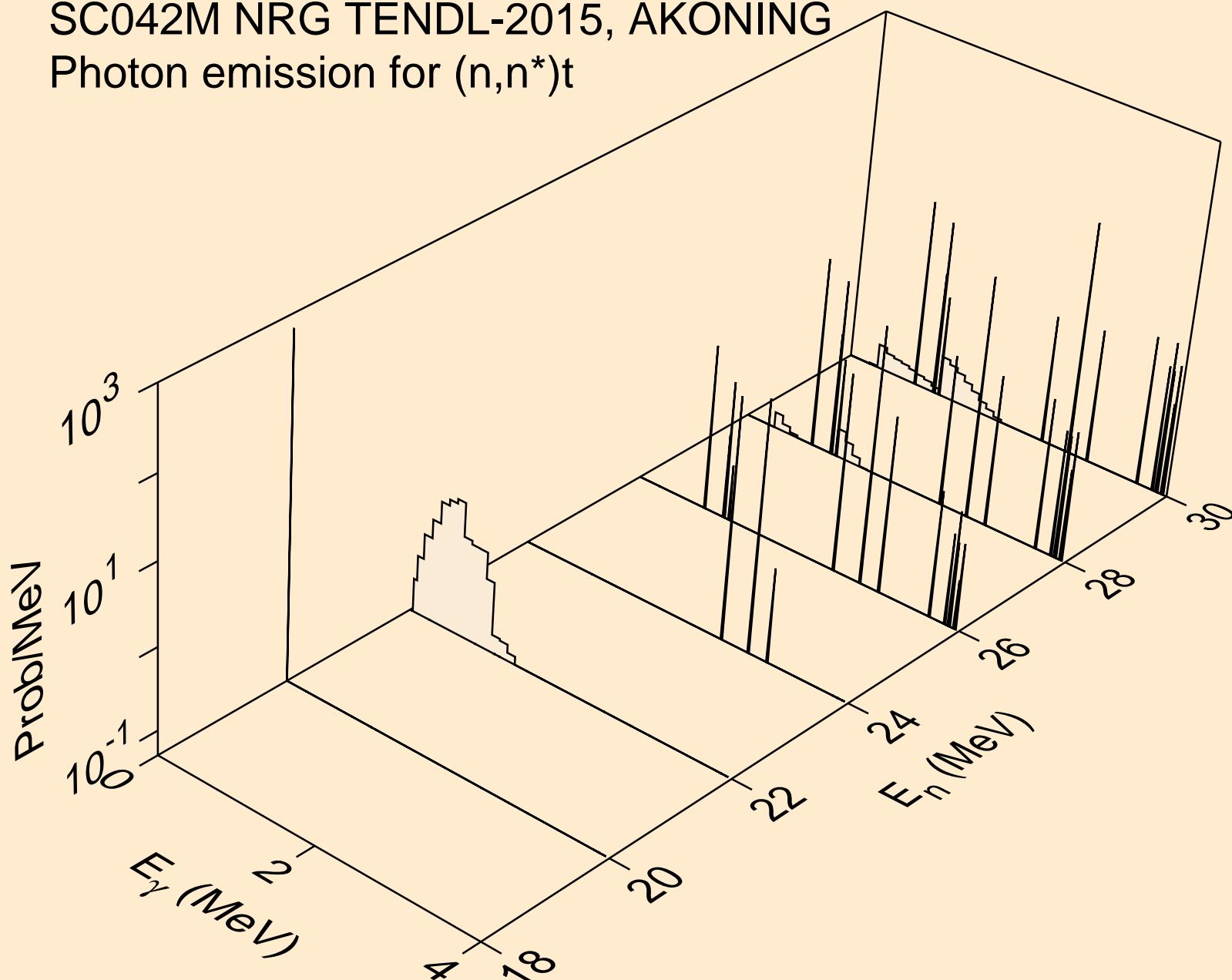
SC042M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



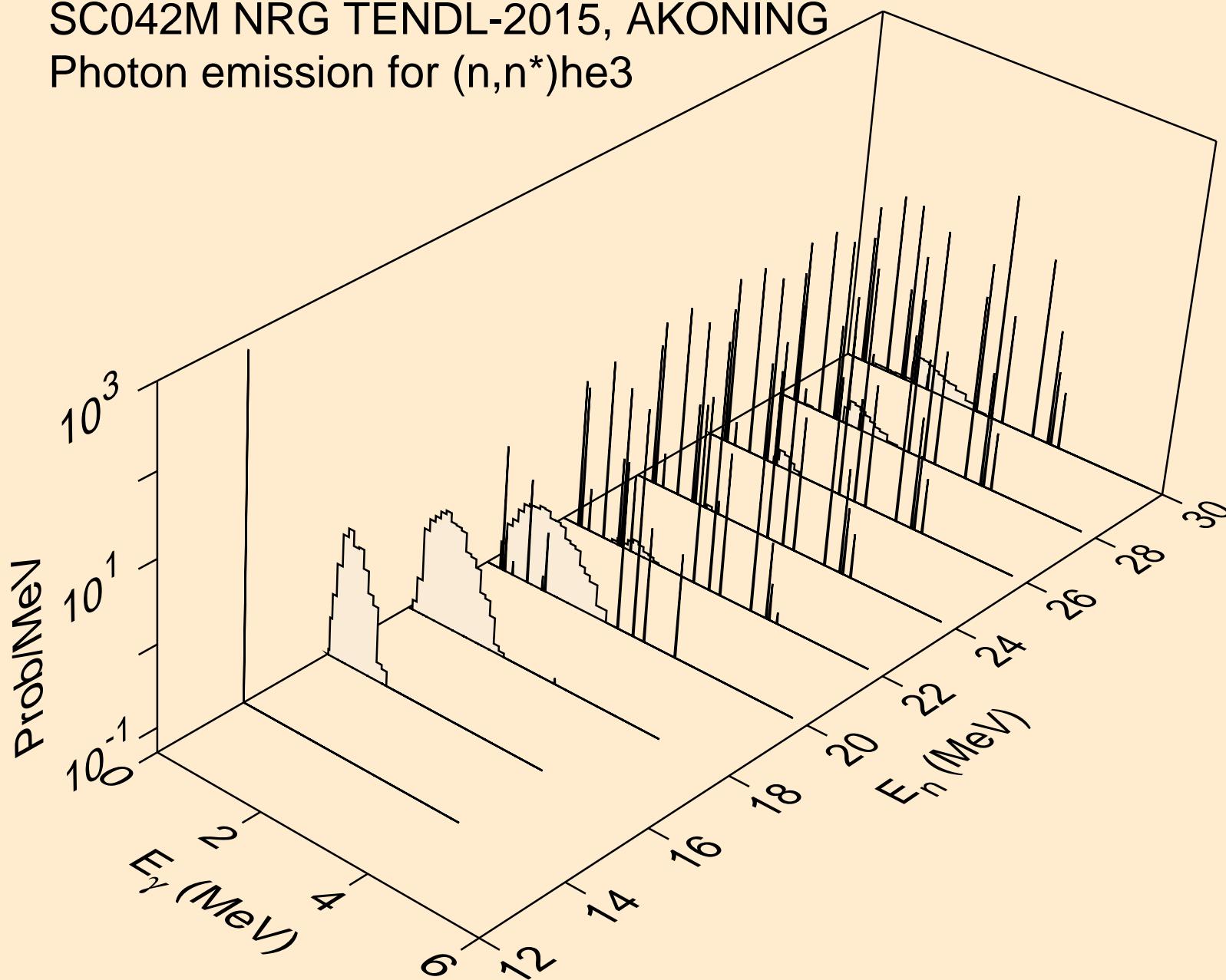
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Photon emission for  $(n,n^*)d$



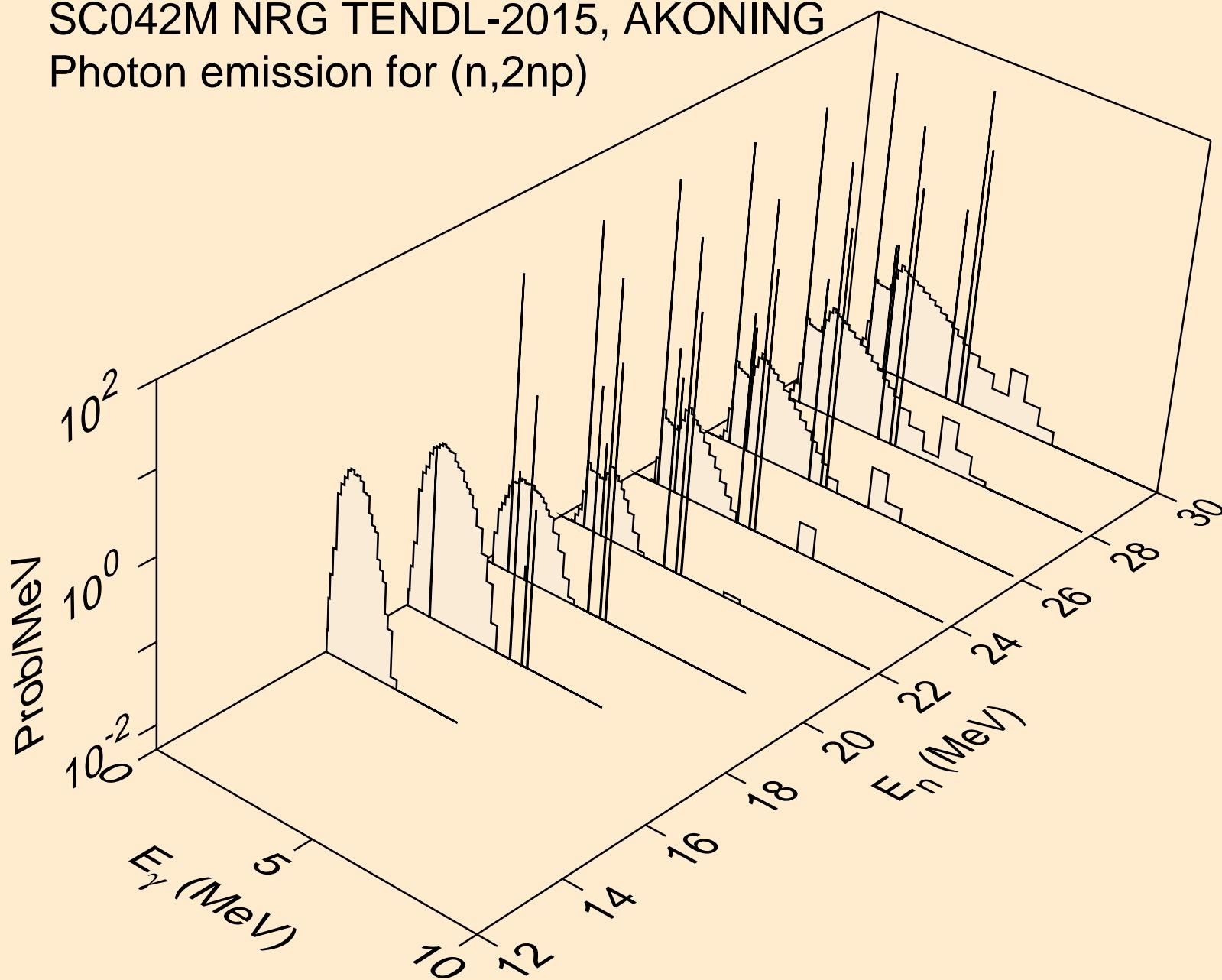
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Photon emission for  $(n,n^*)t$



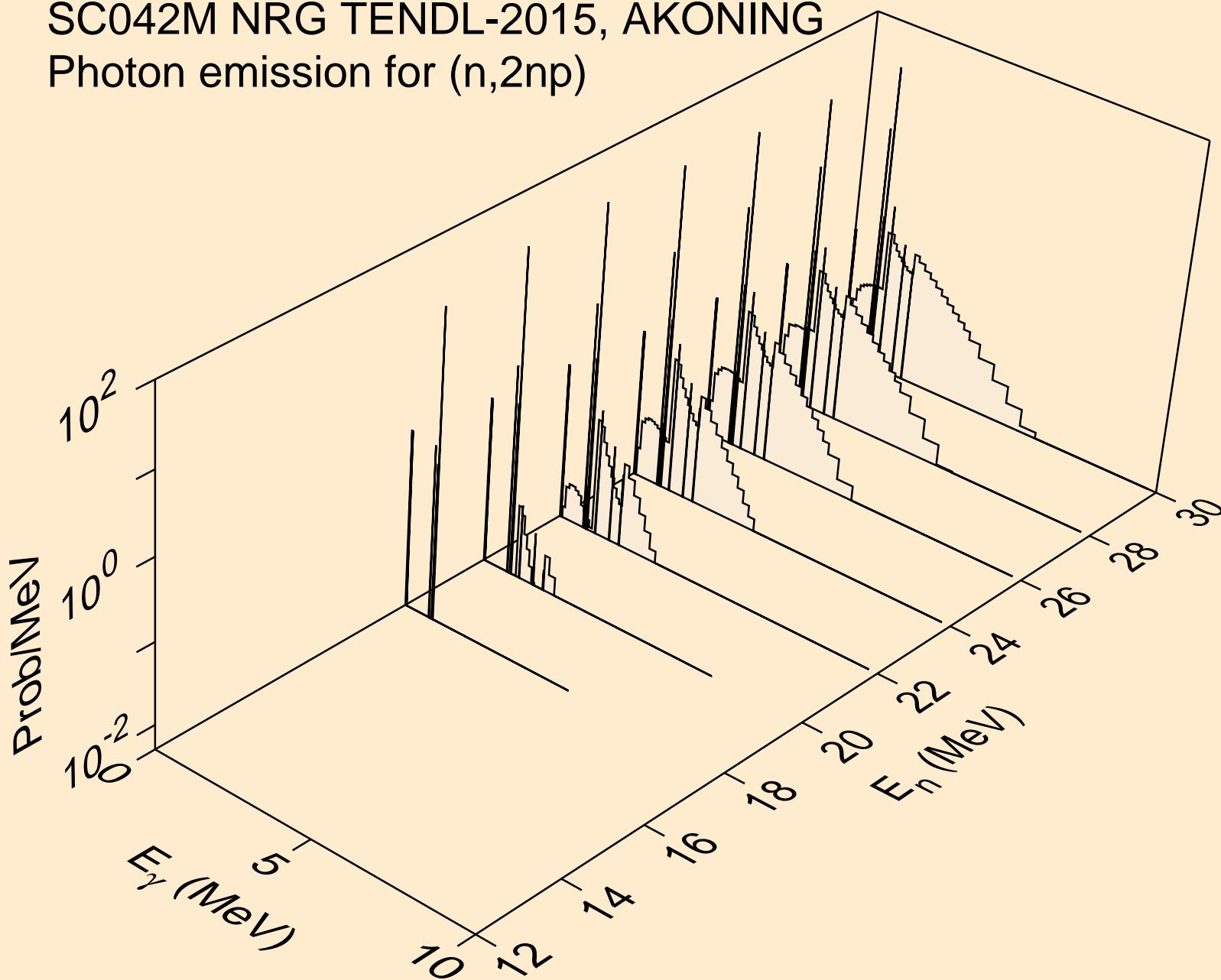
SC042M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



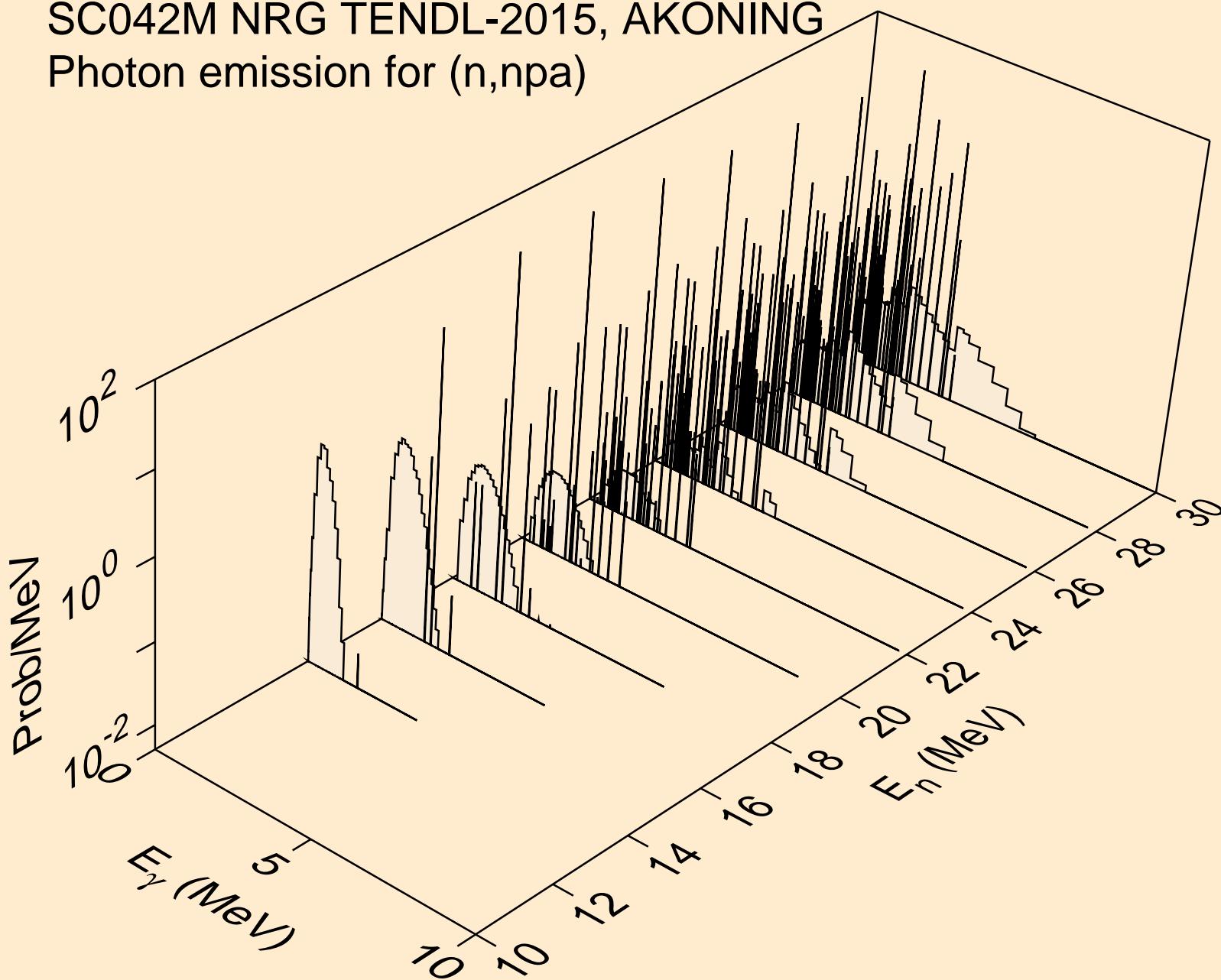
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



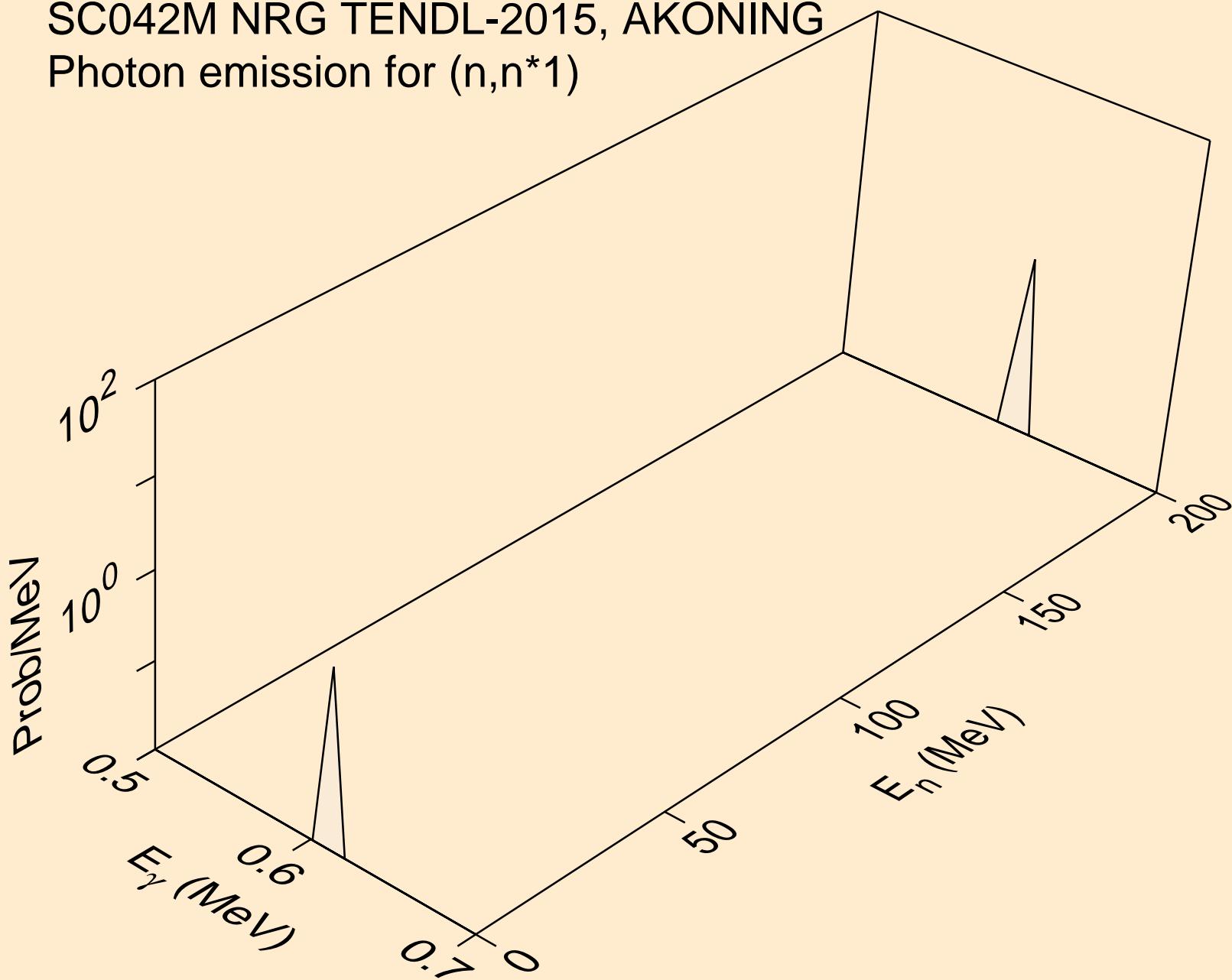
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Photon emission for (n,2np)



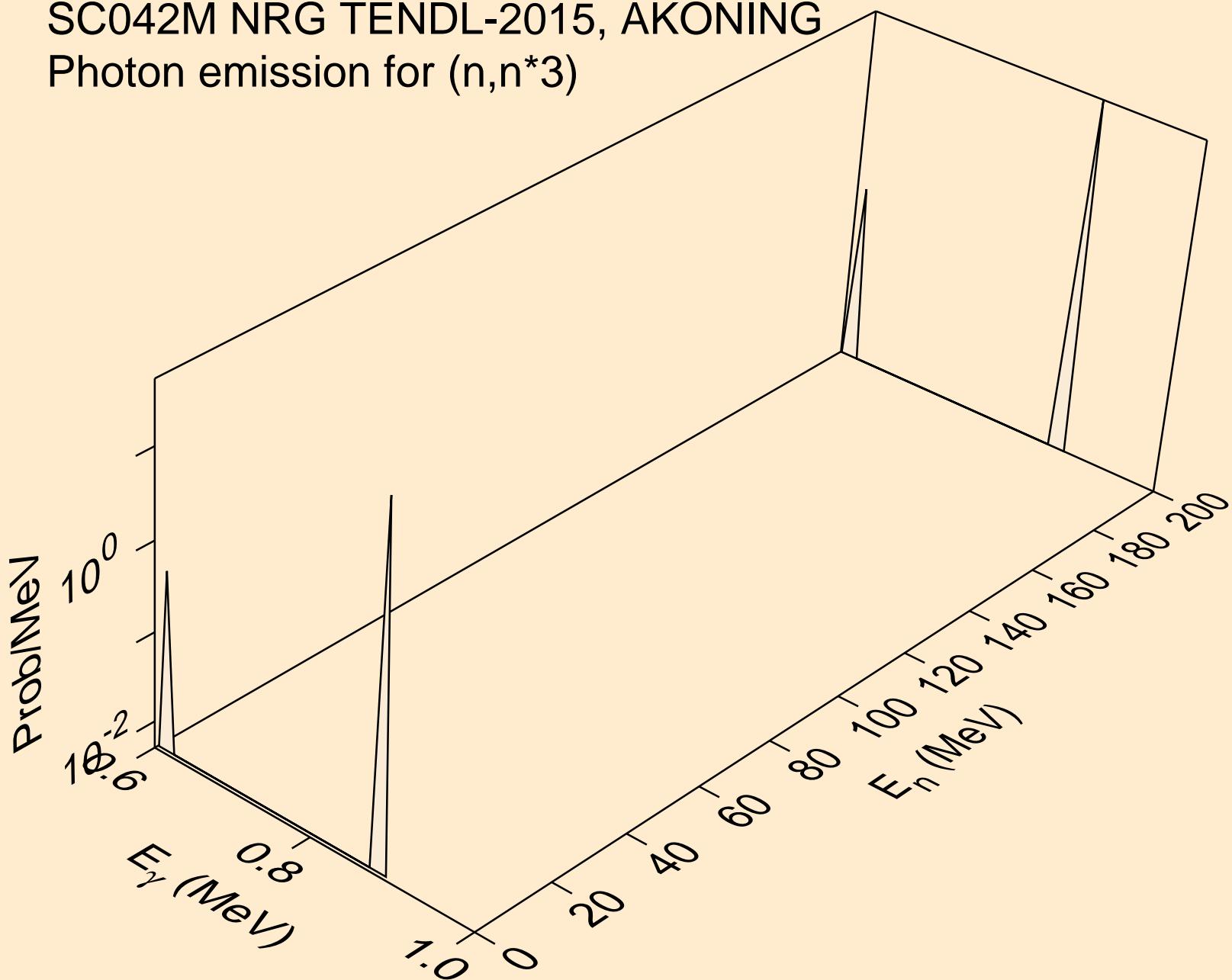
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



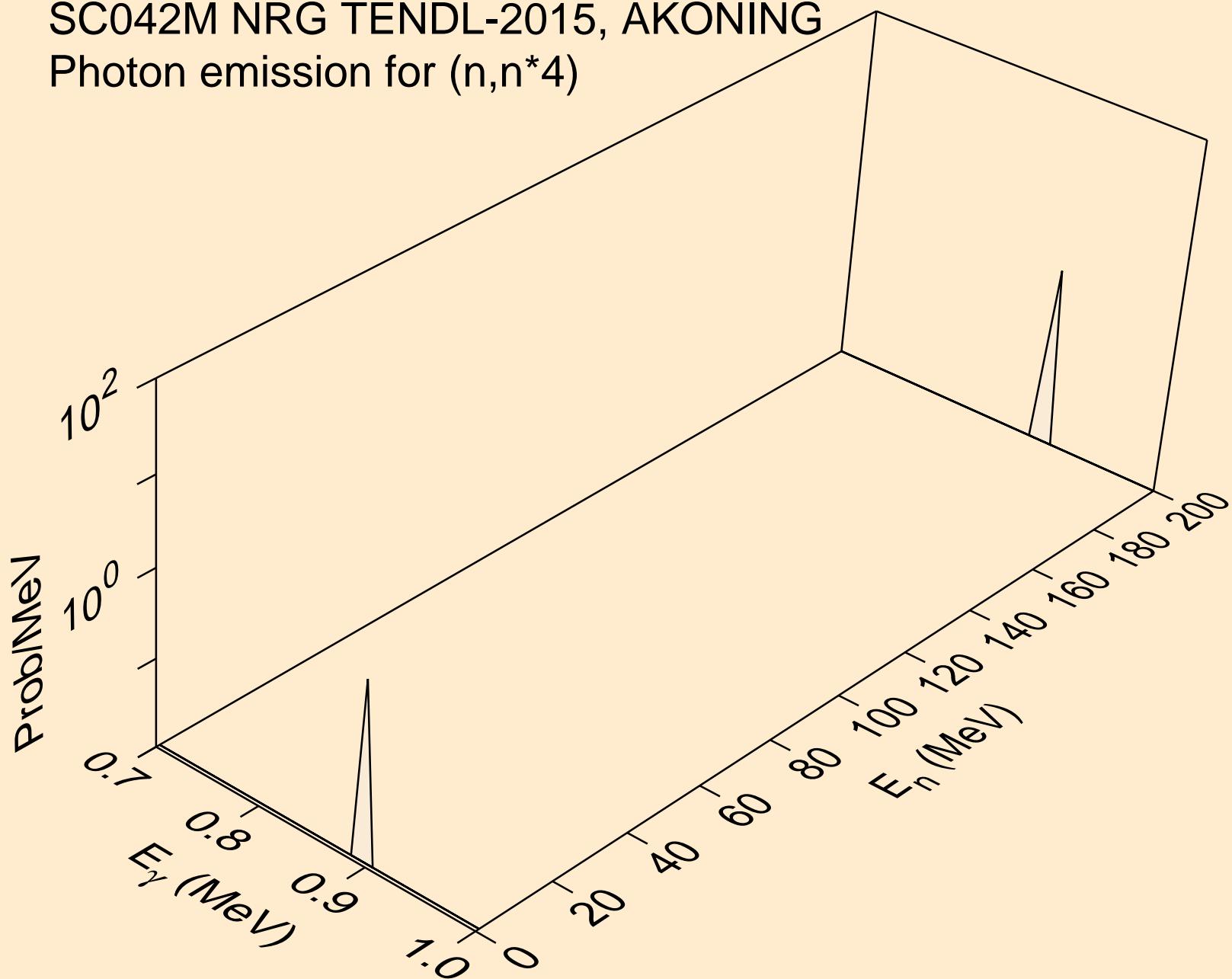
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*1)



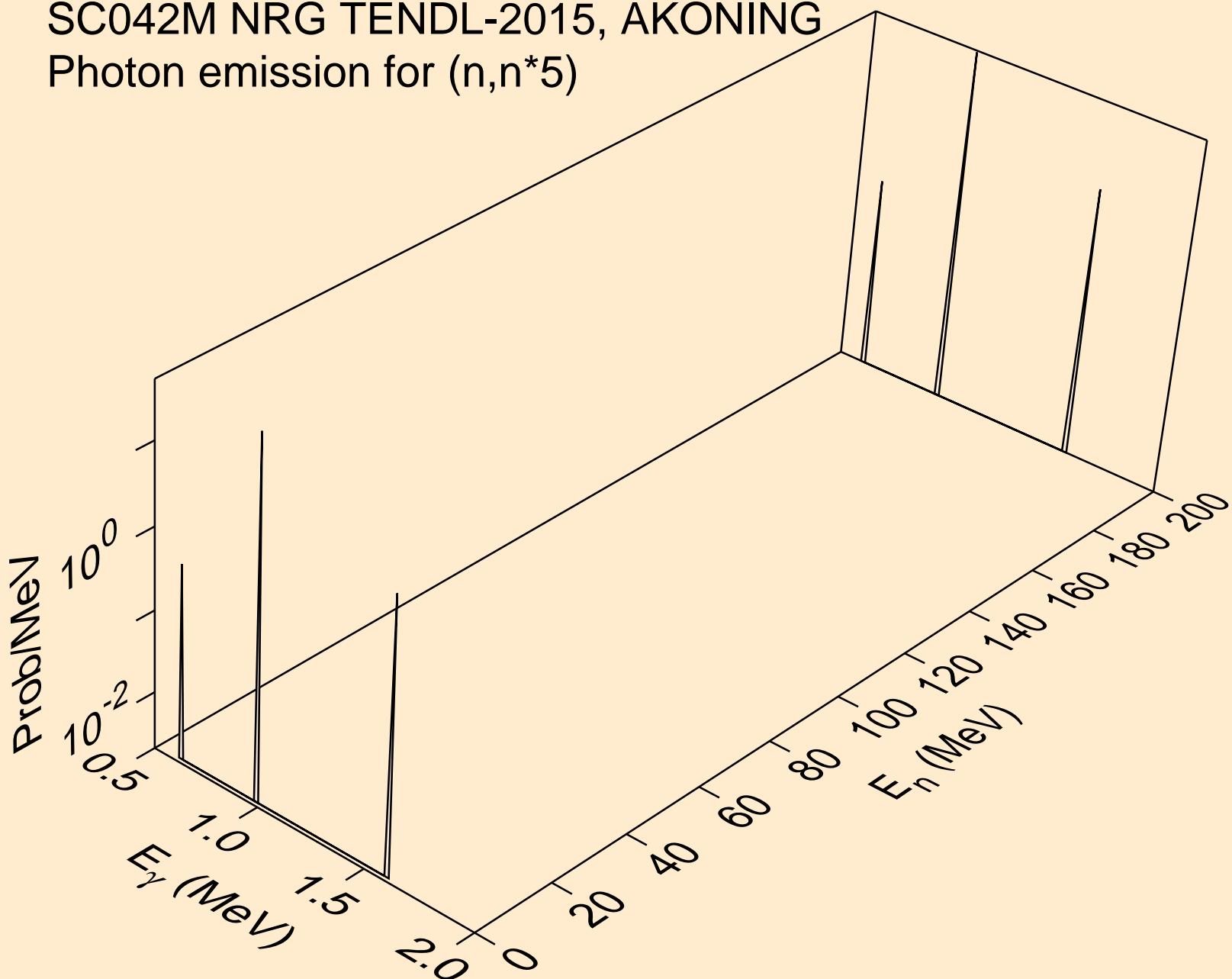
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*3)



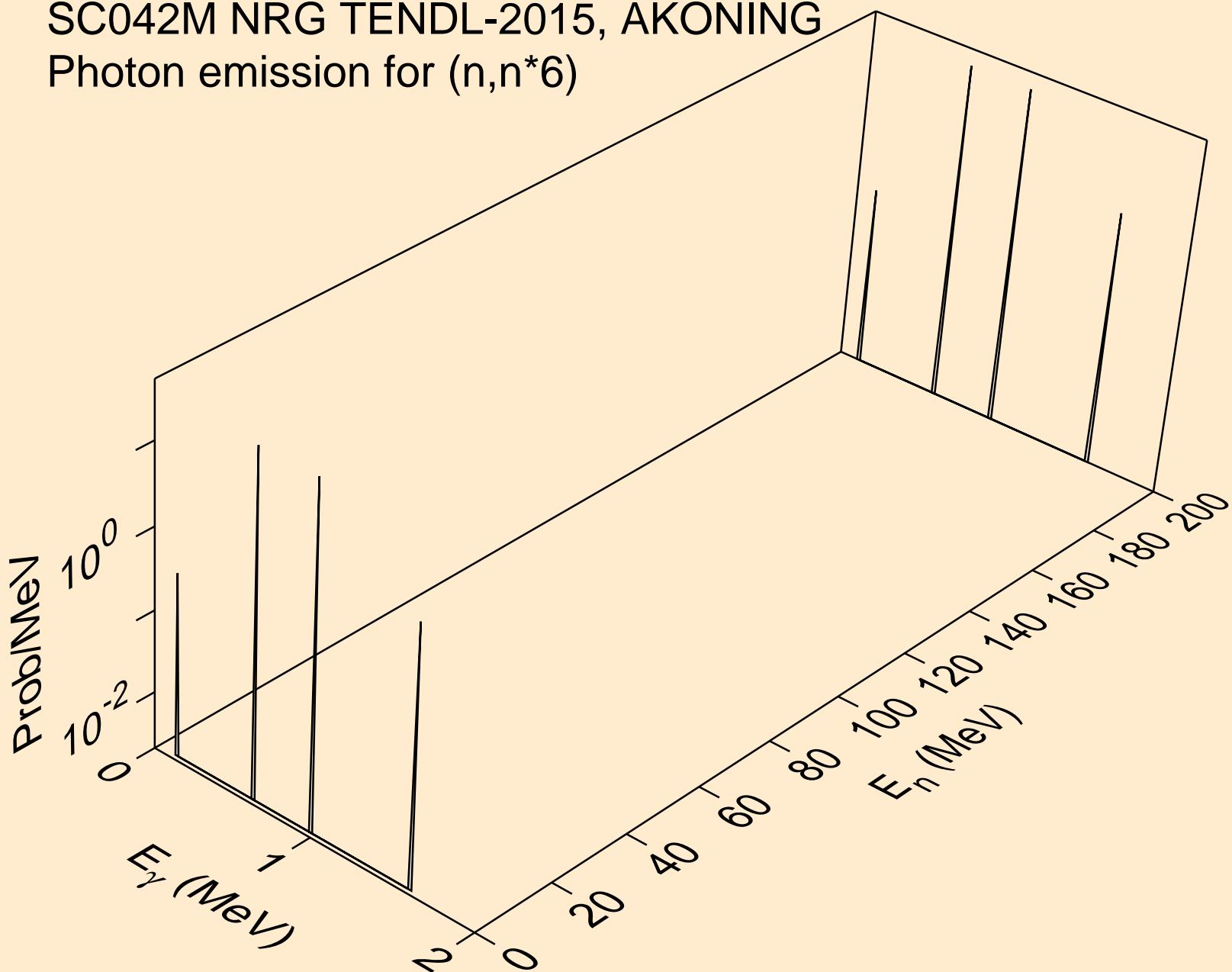
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*4)



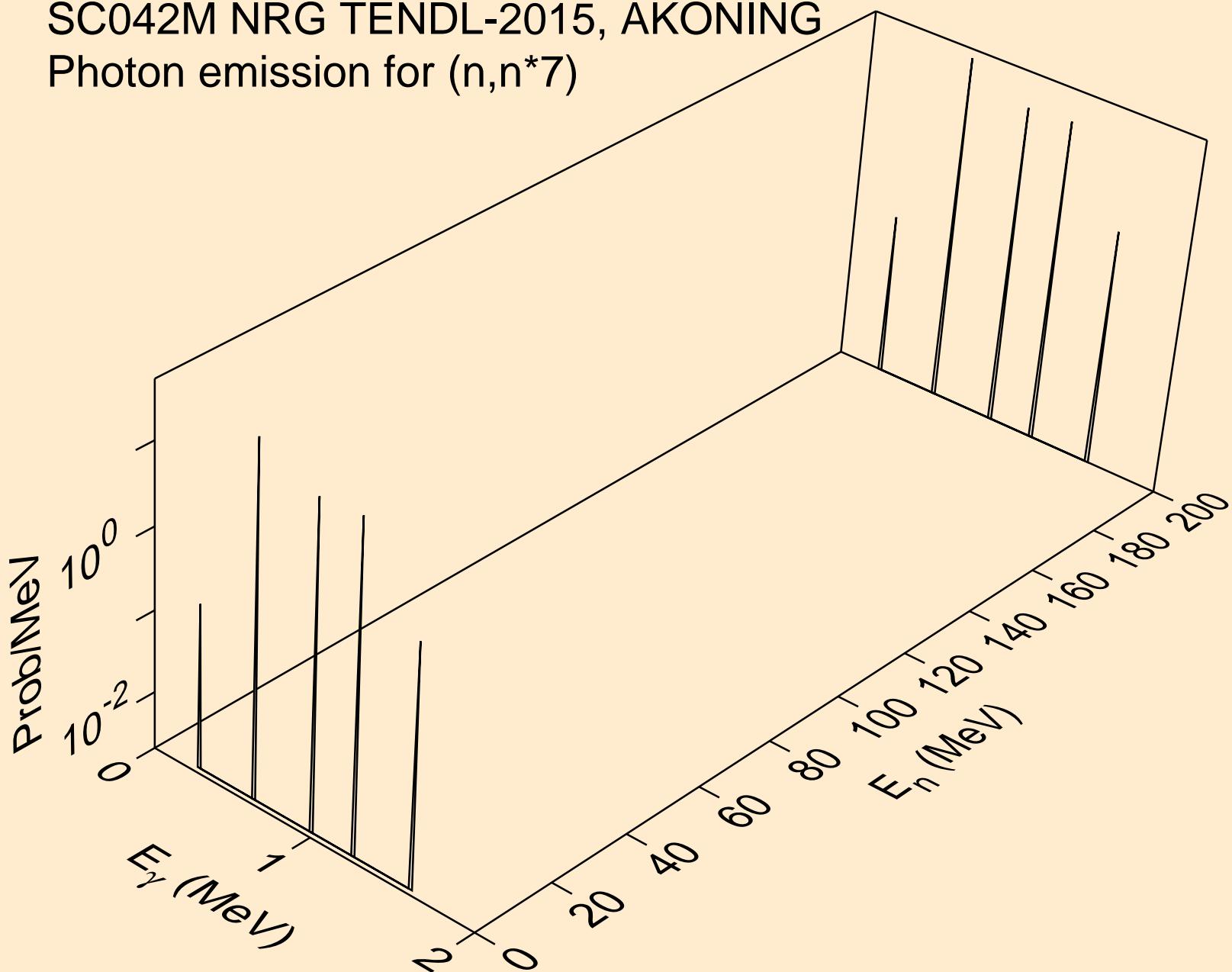
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*5)



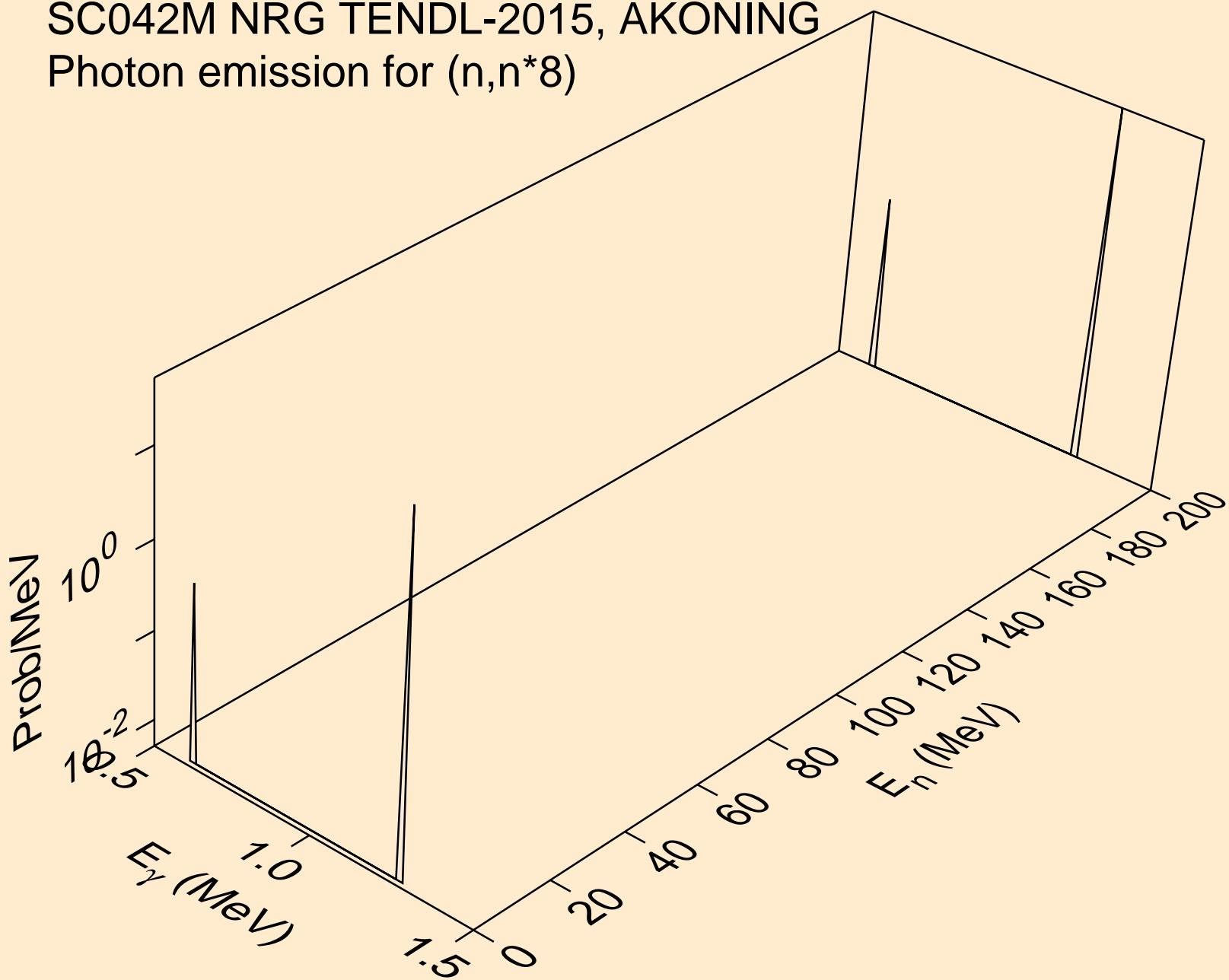
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Photon emission for (n,n\*6)



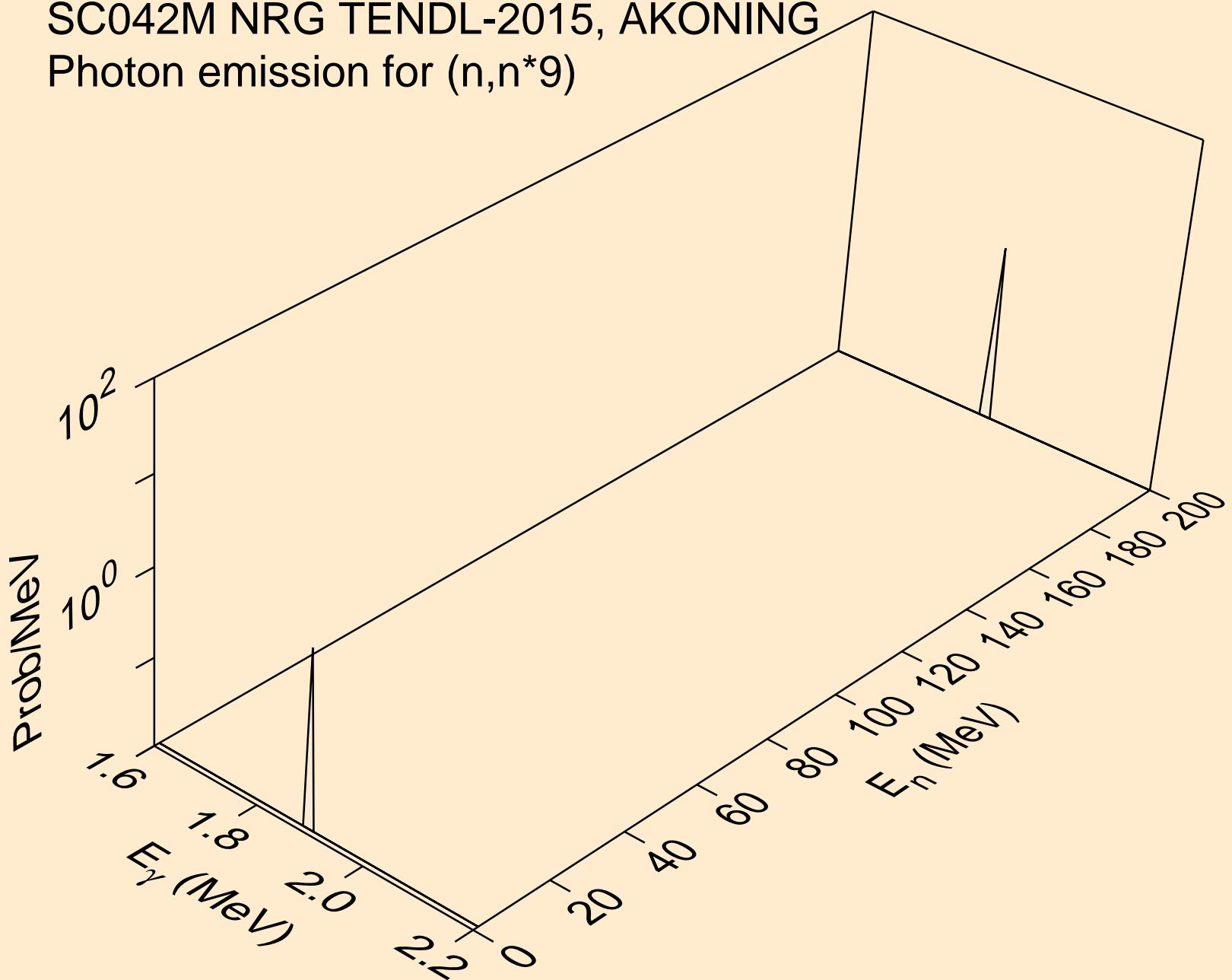
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*7)



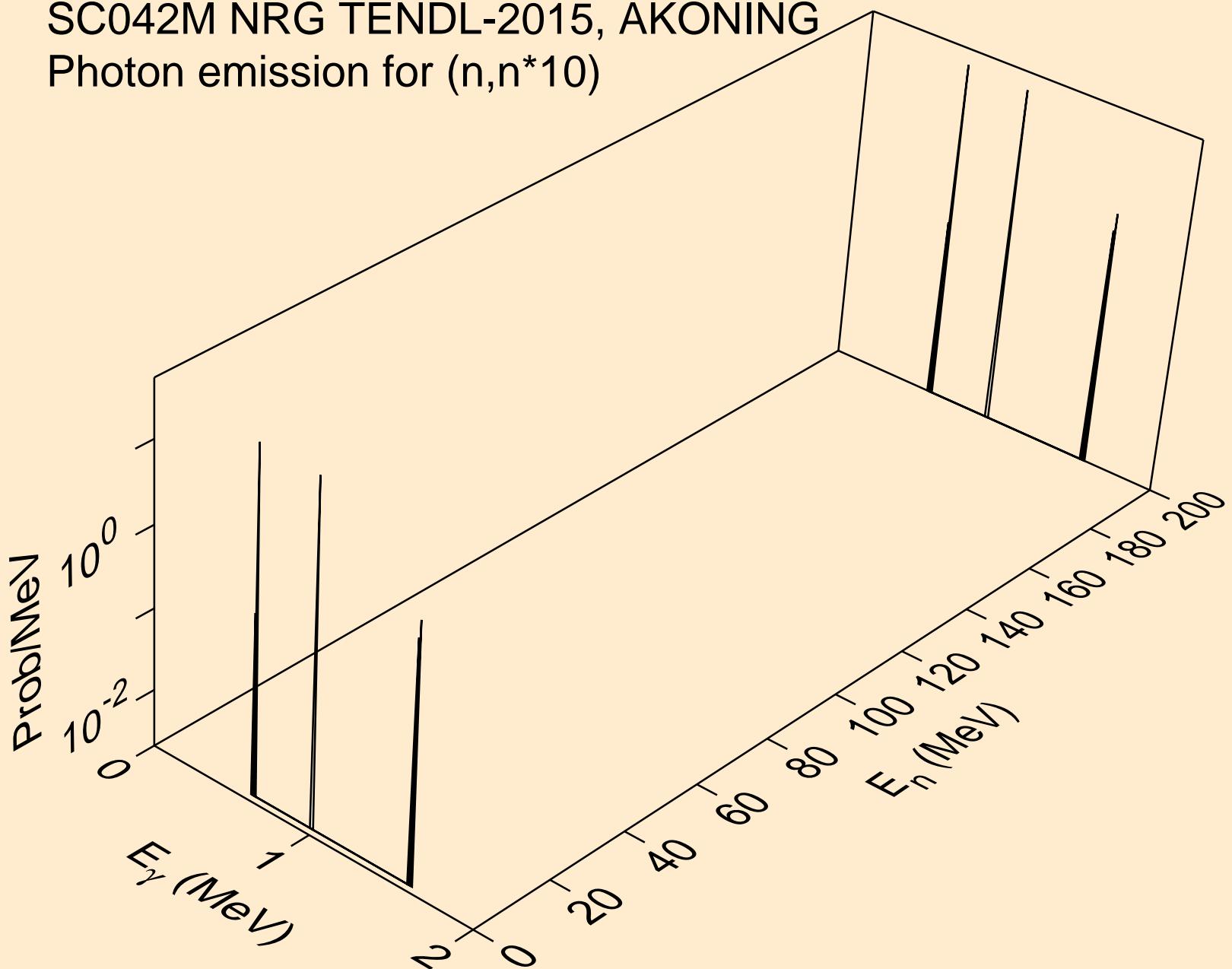
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*8)



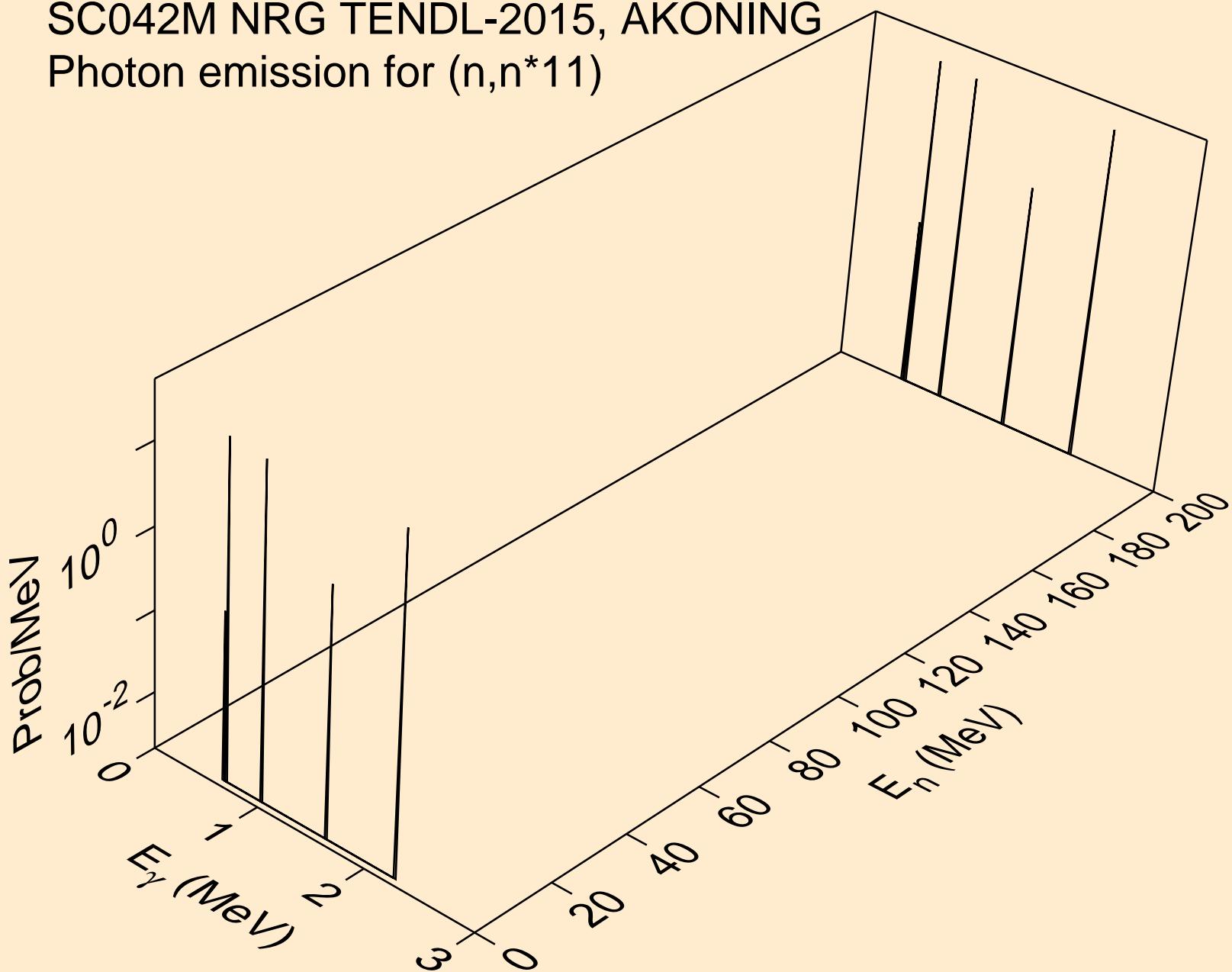
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*9)



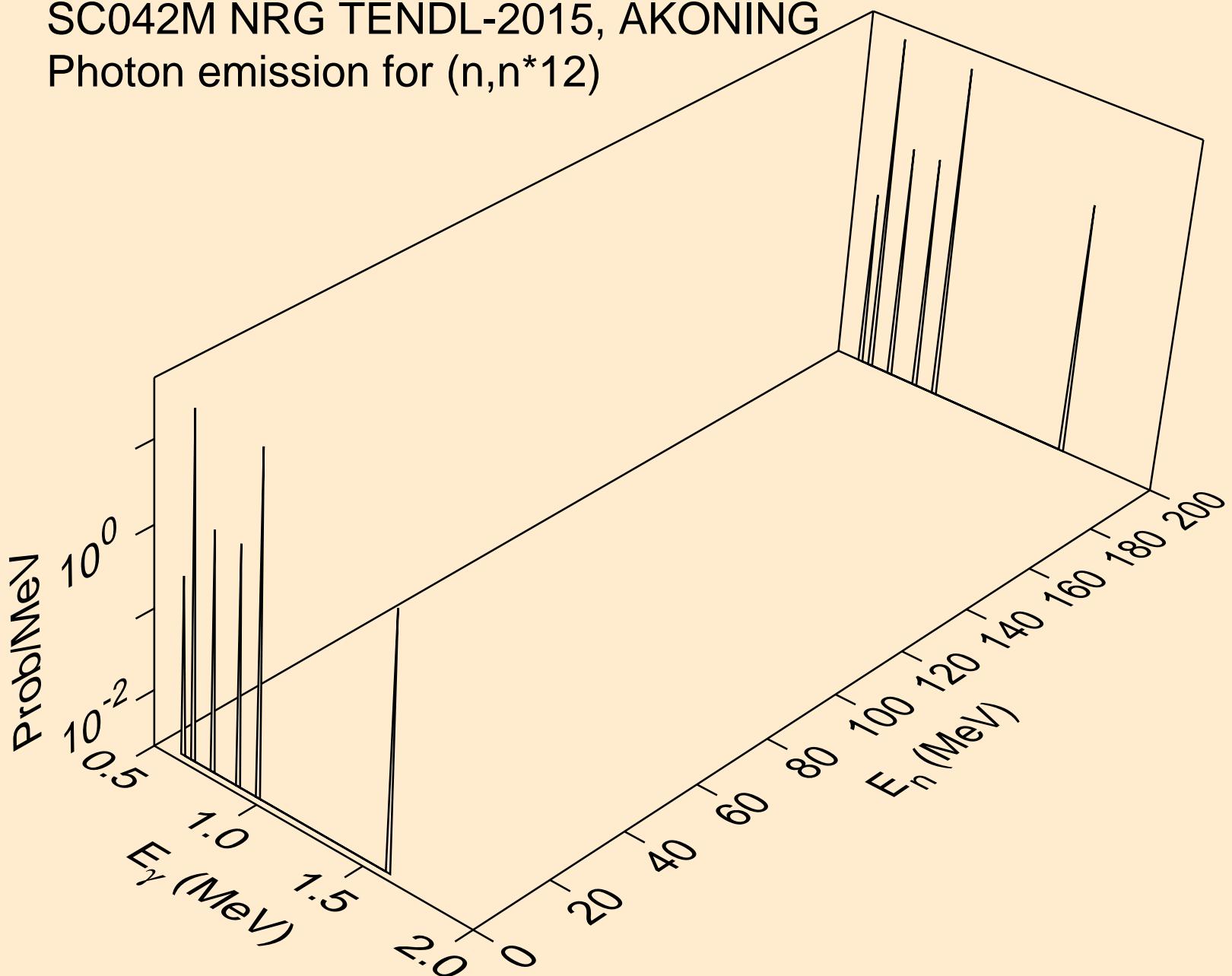
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*10)



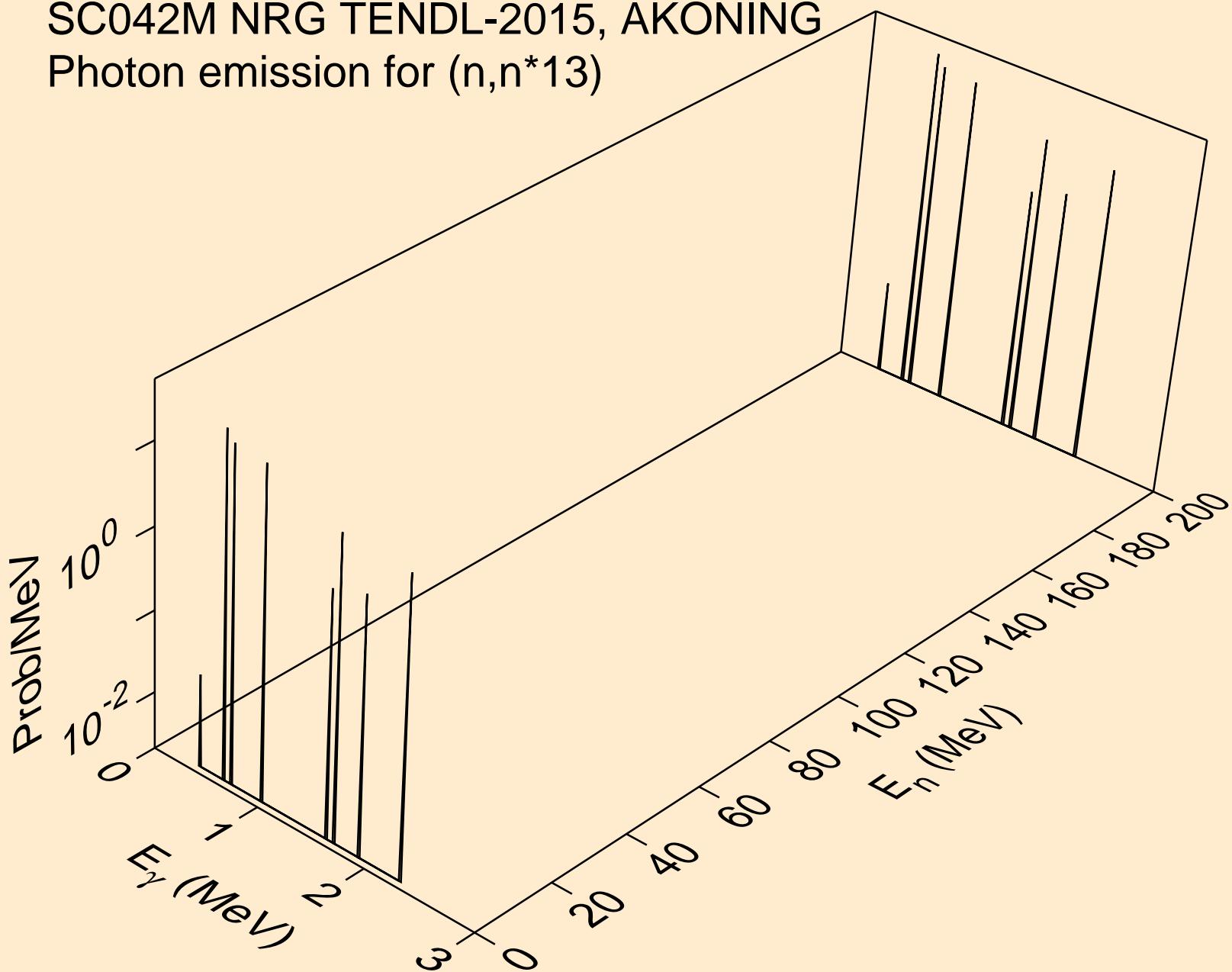
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Photon emission for (n,n\*11)



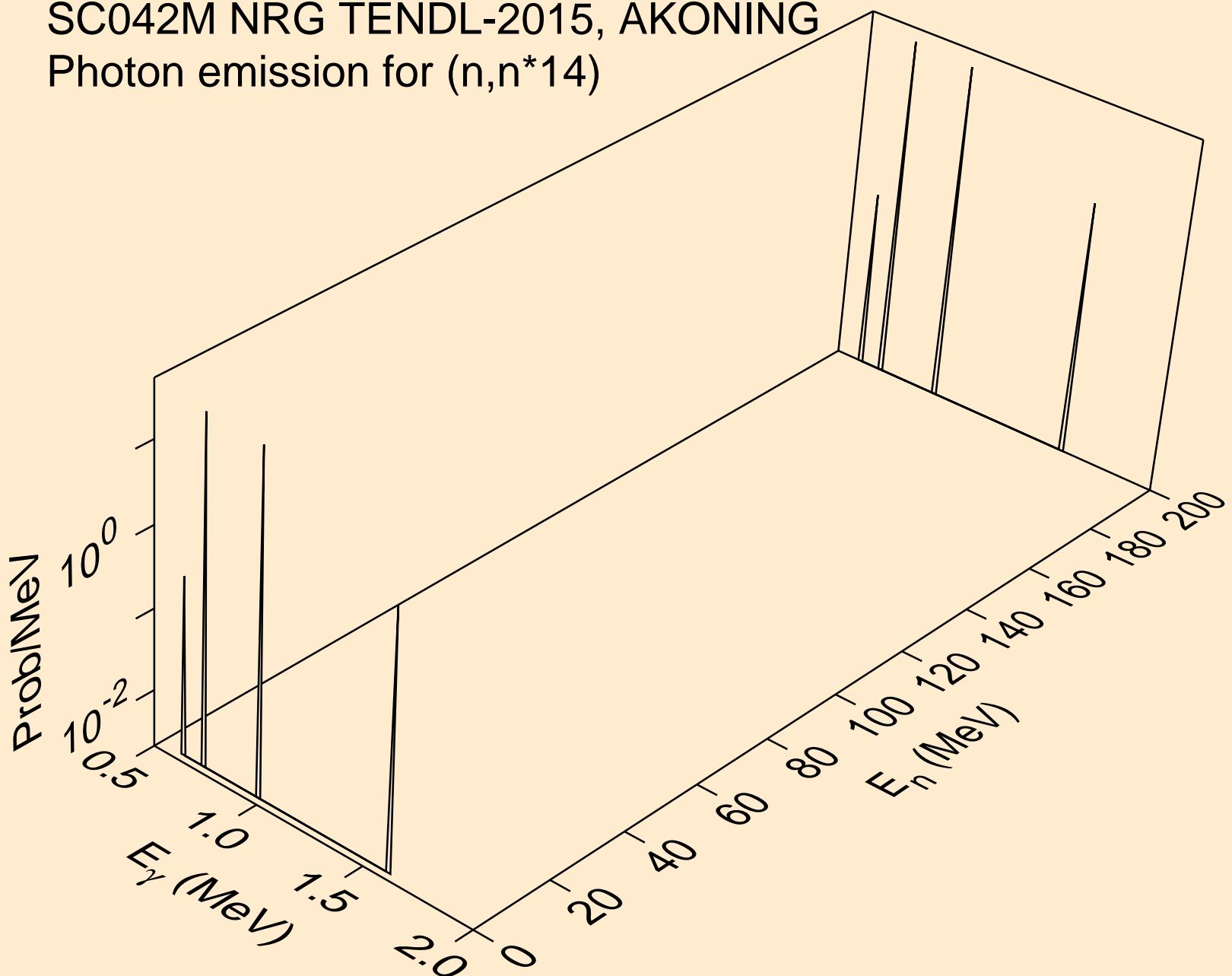
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*12)



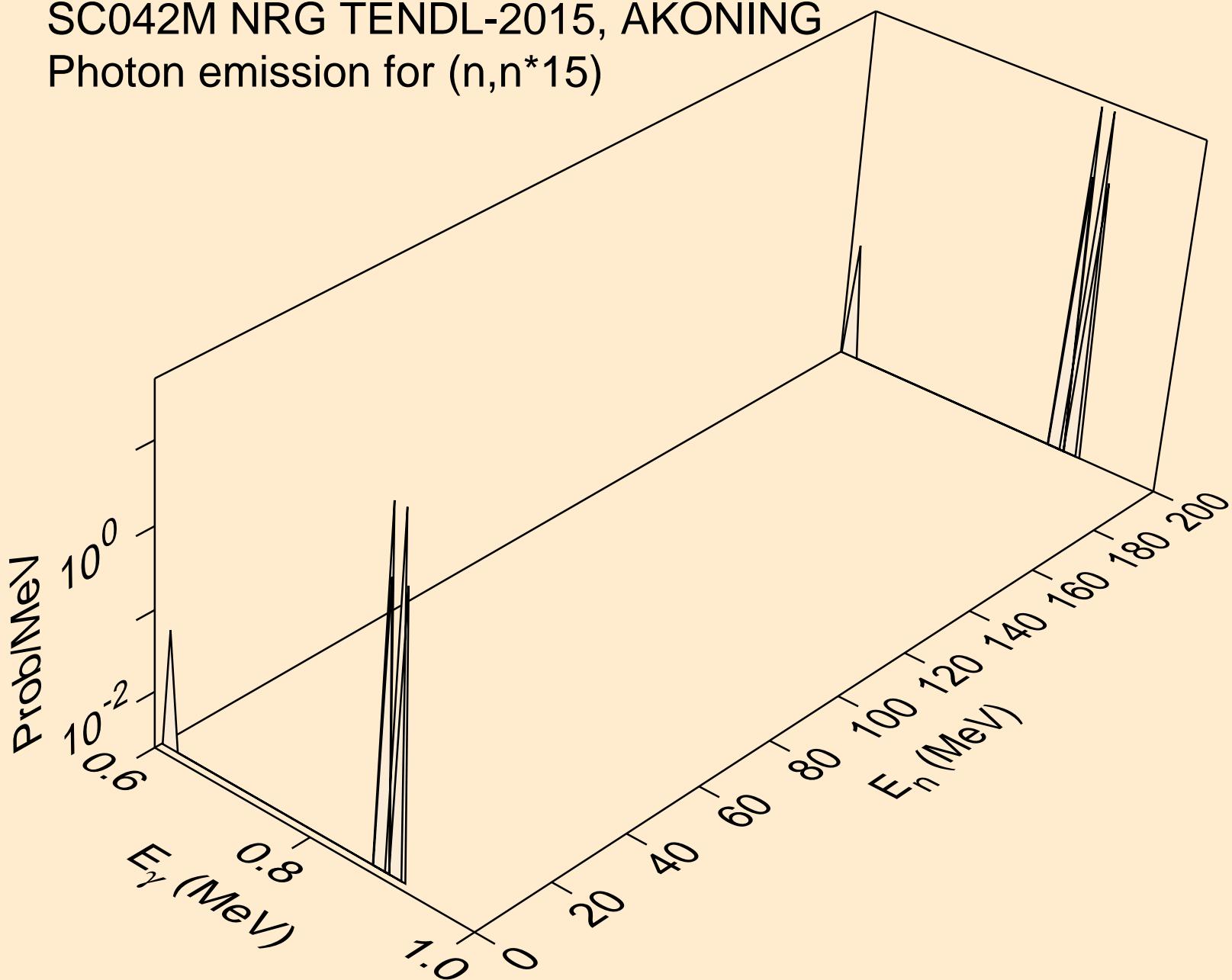
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Photon emission for (n,n\*13)



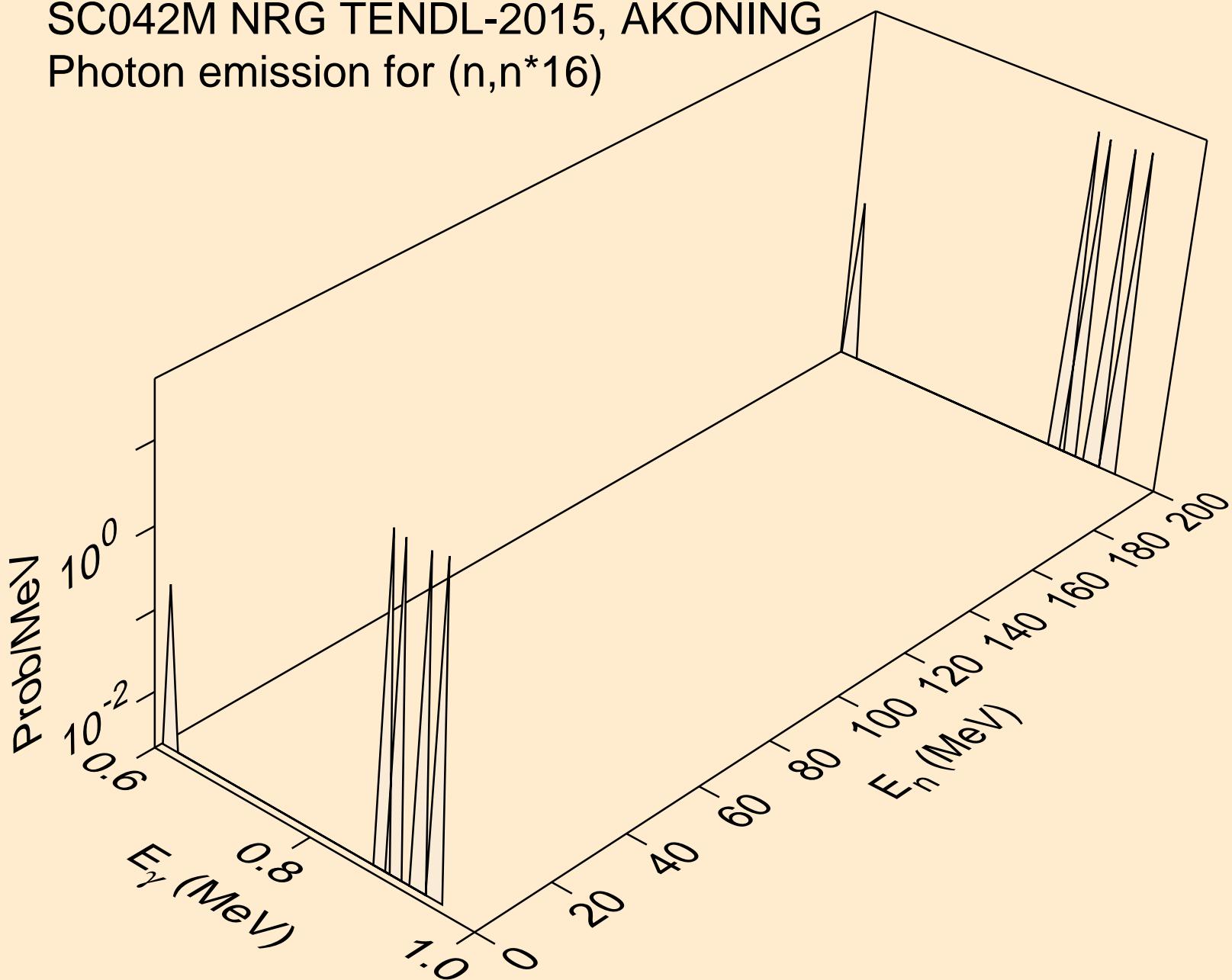
SC042M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 14$ )



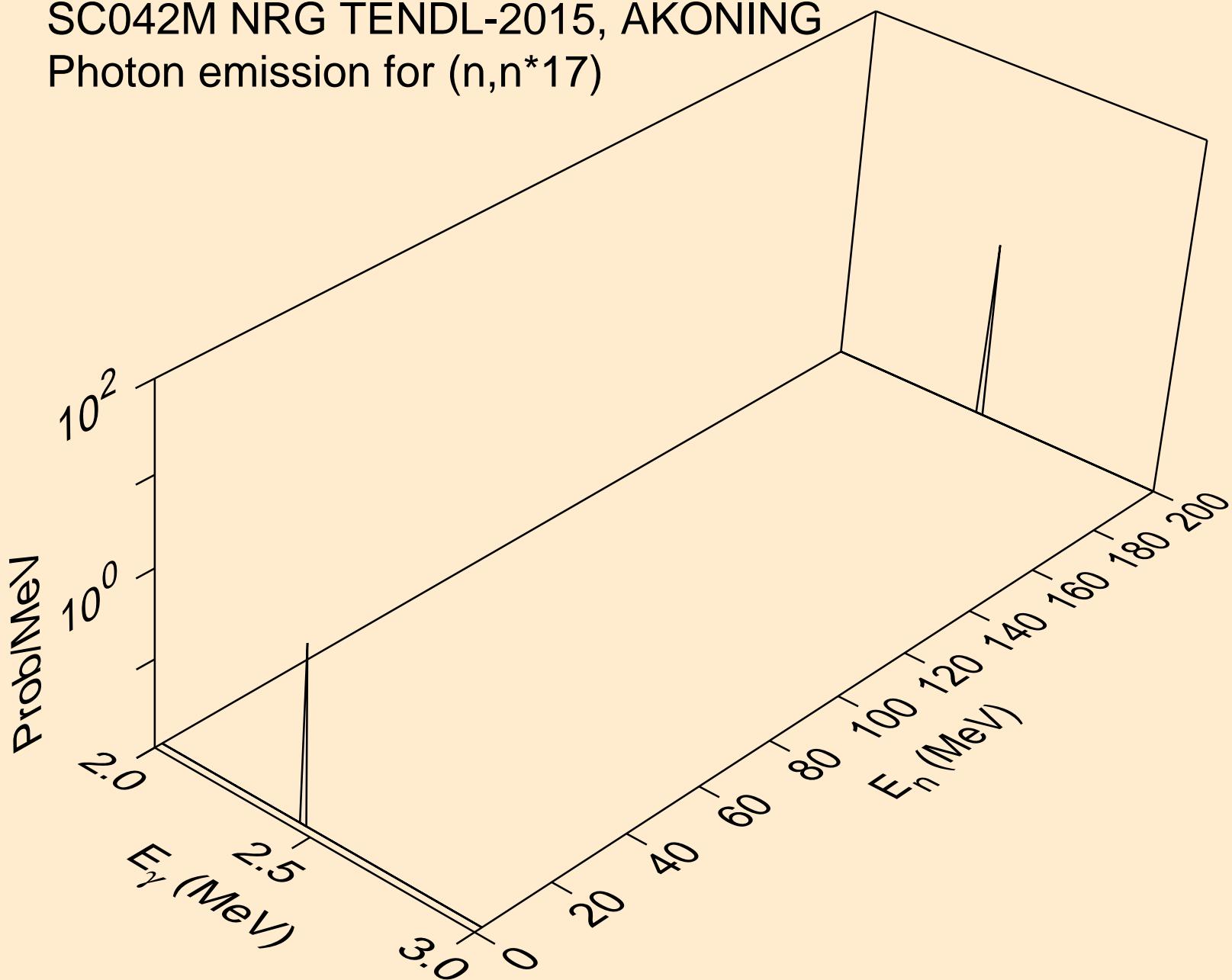
SC042M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 15$ )



SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*16)

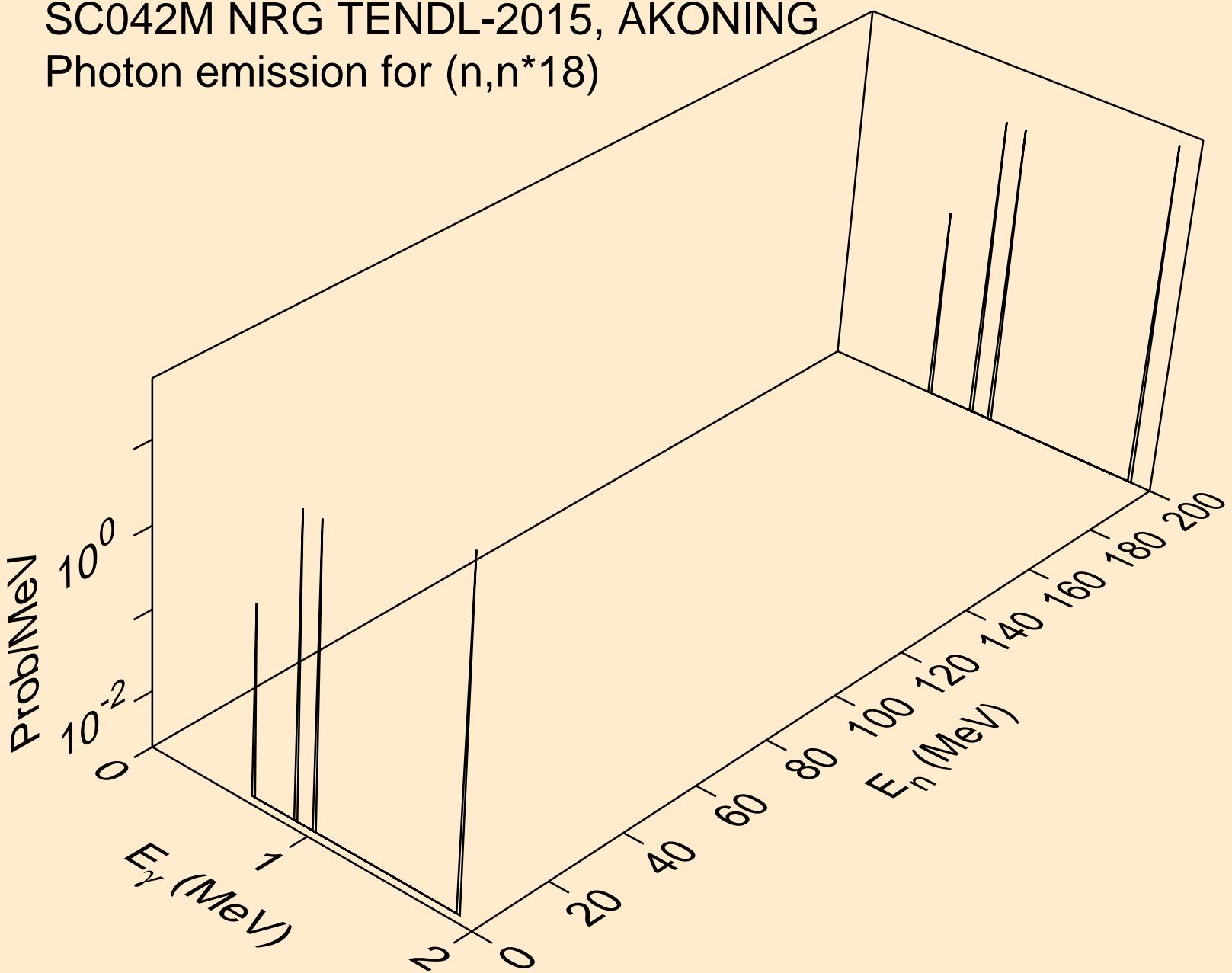


SC042M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 17$ )

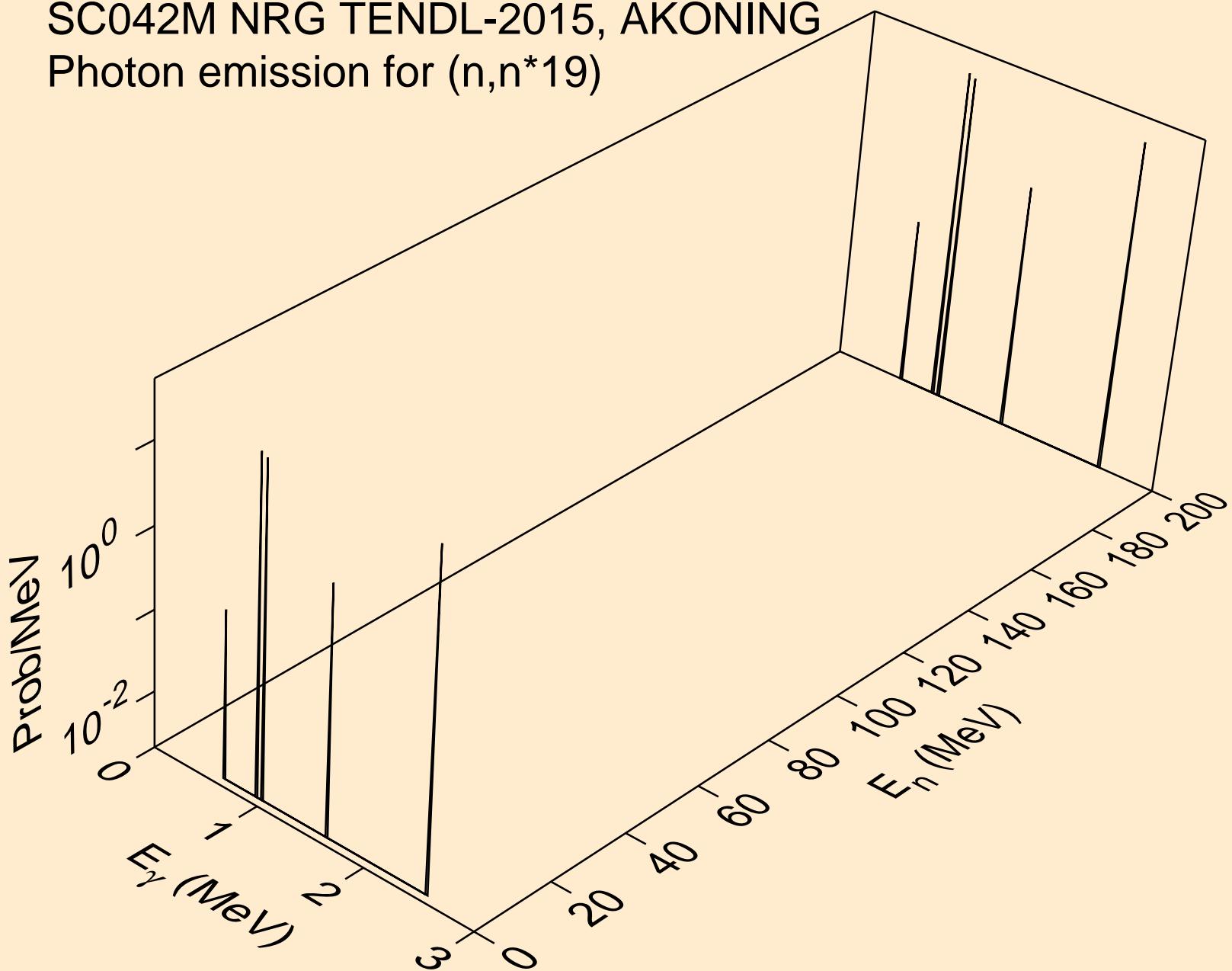


# SC042M NRG TENDL-2015, AKONING

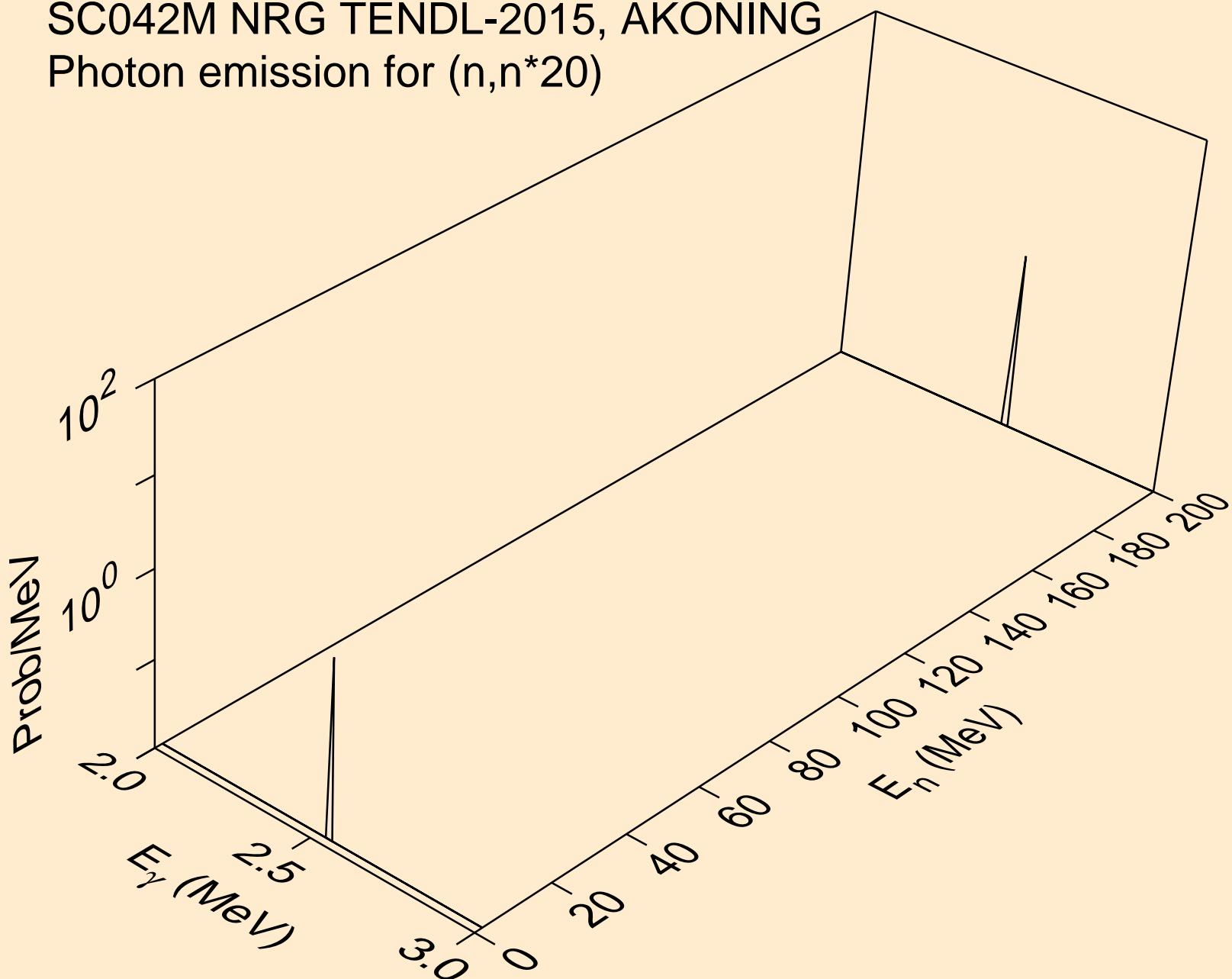
## Photon emission for (n,n\*18)



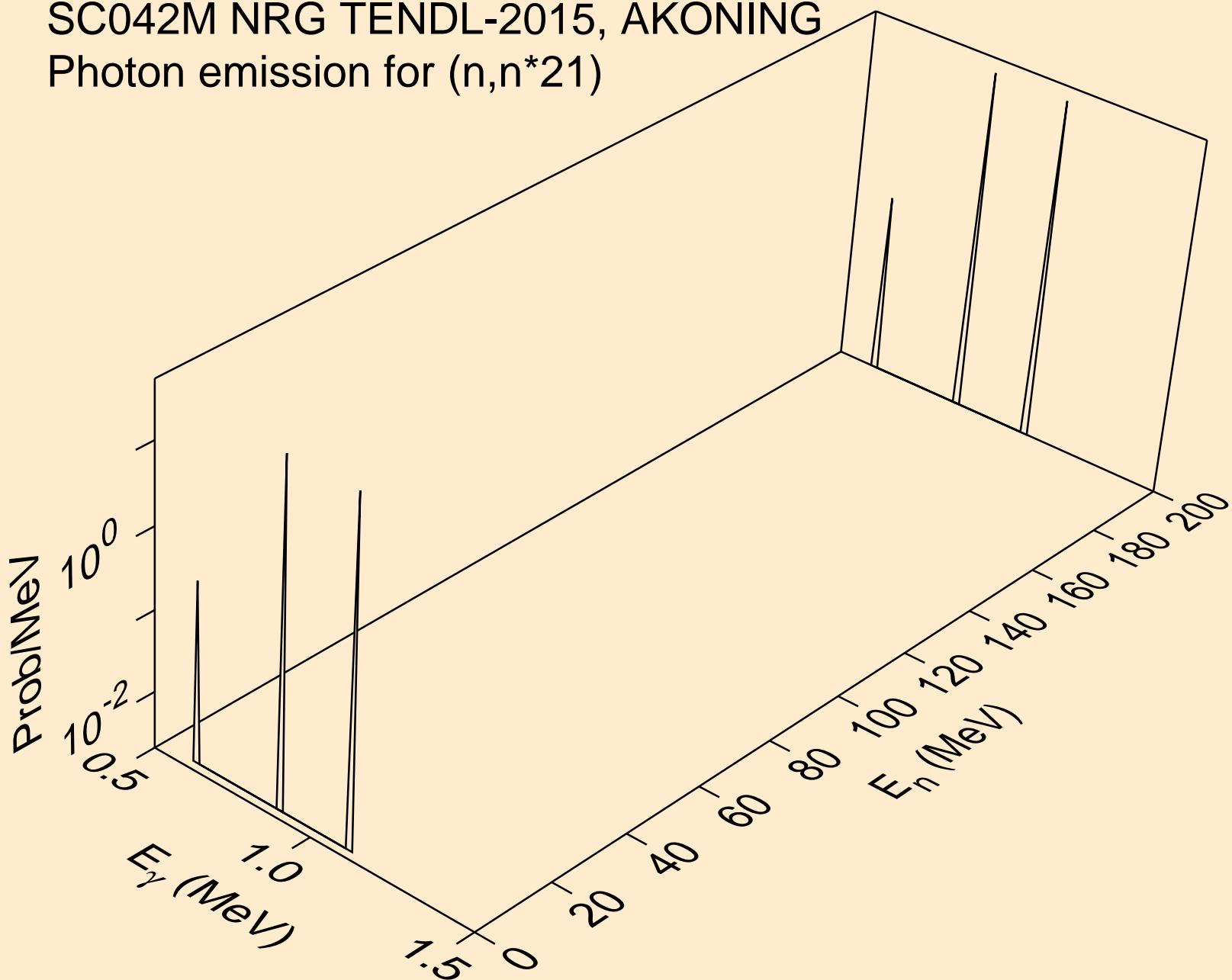
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*19)



SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*20)

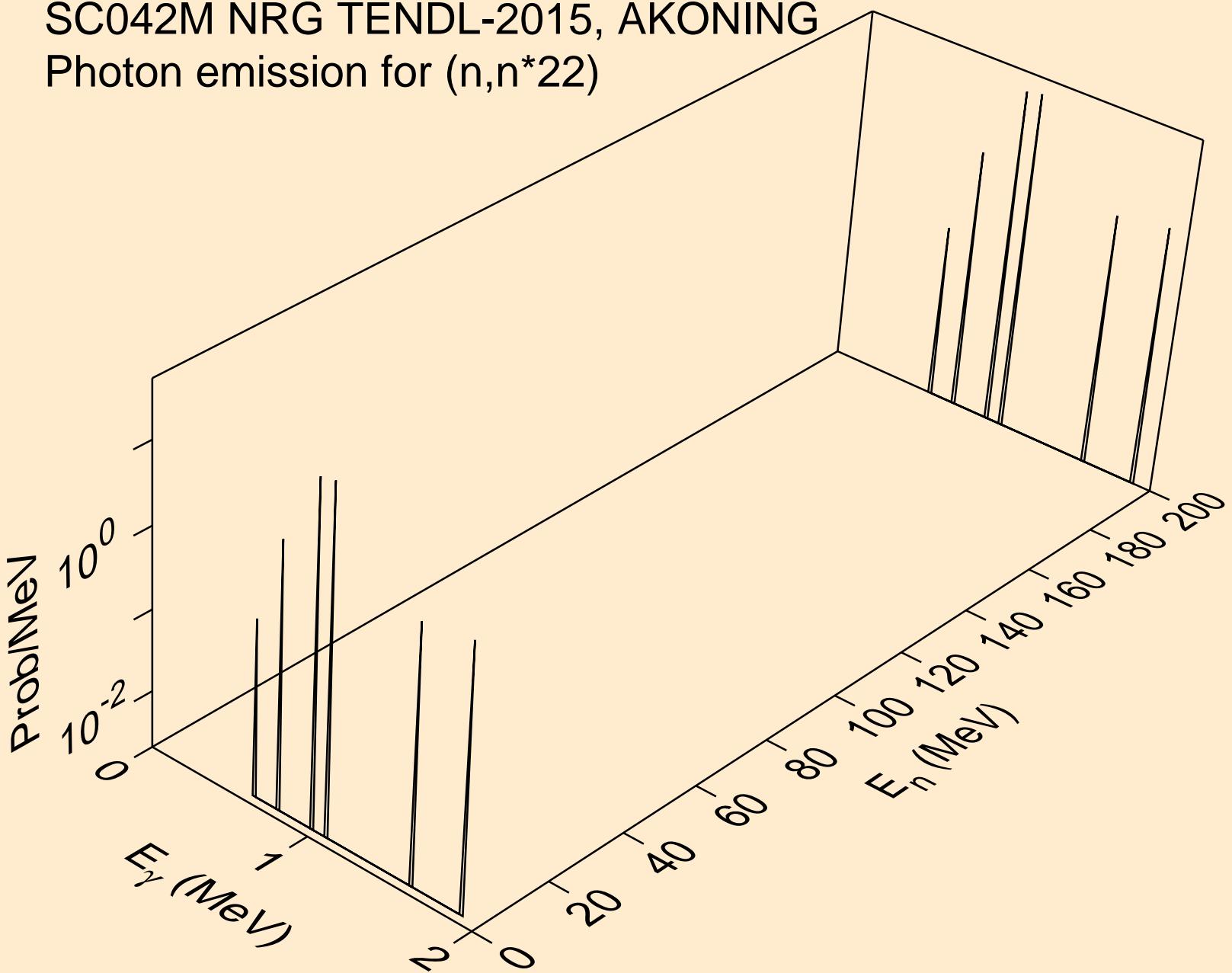


SC042M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 21$ )

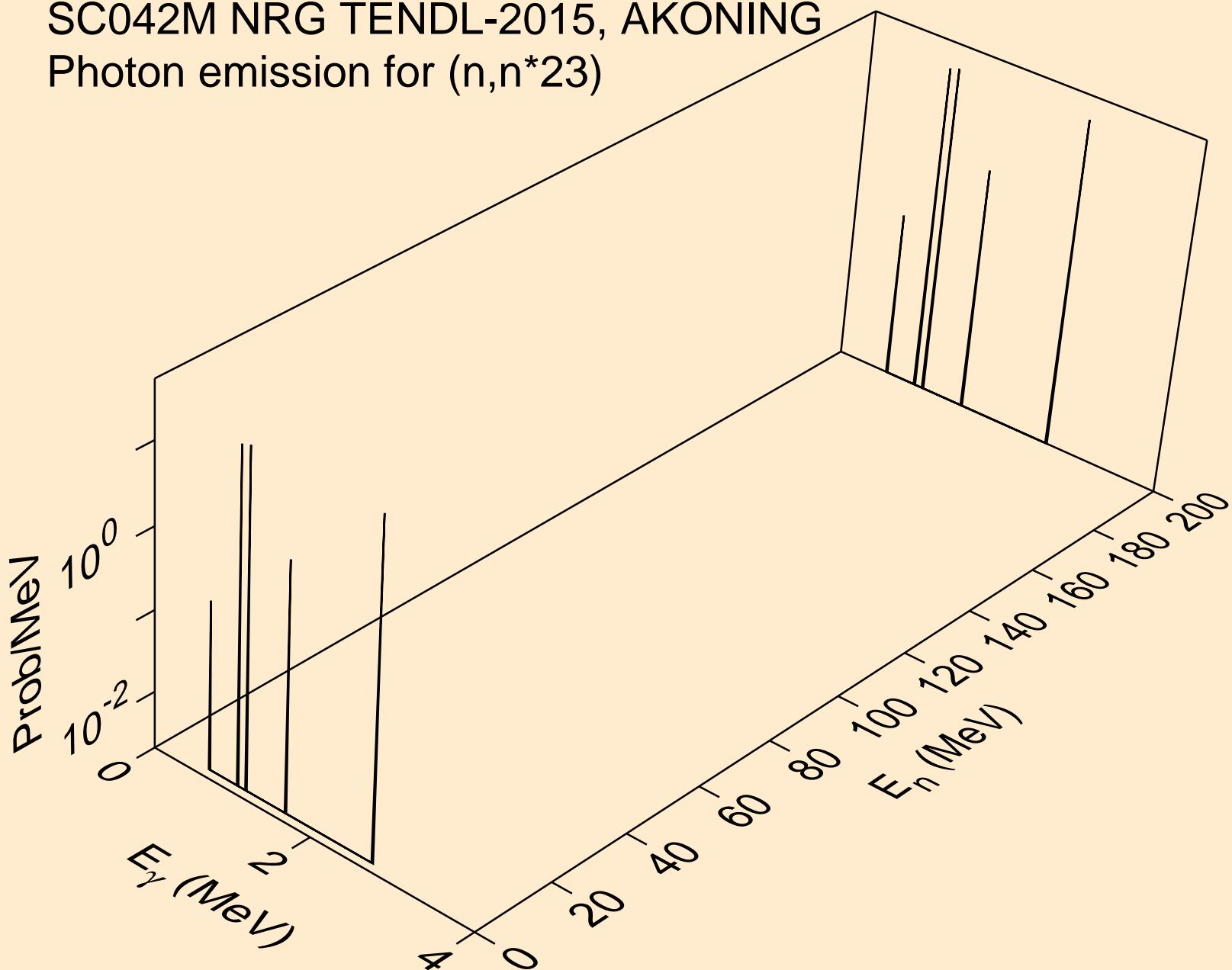


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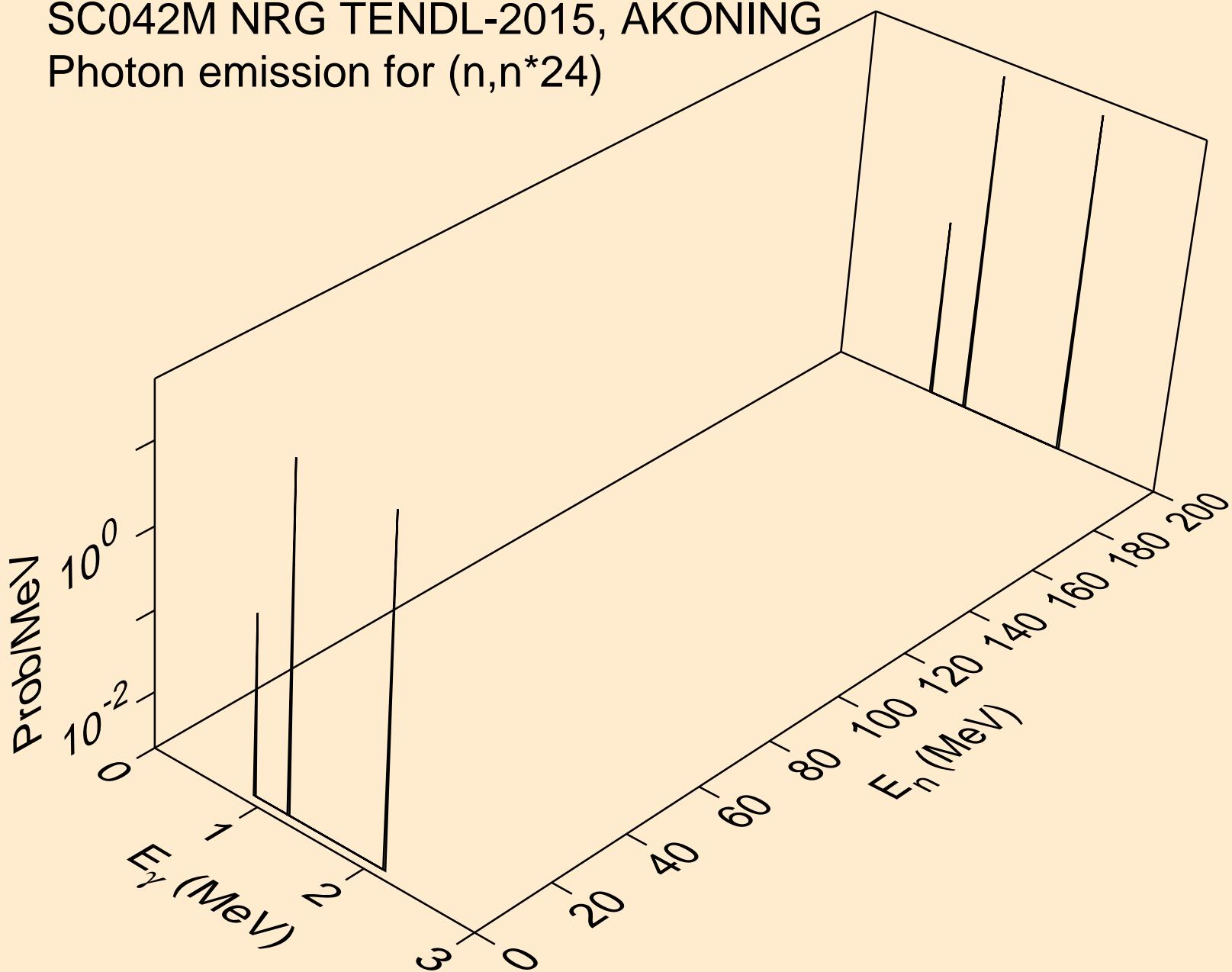
## Photon emission for (n,n\*22)



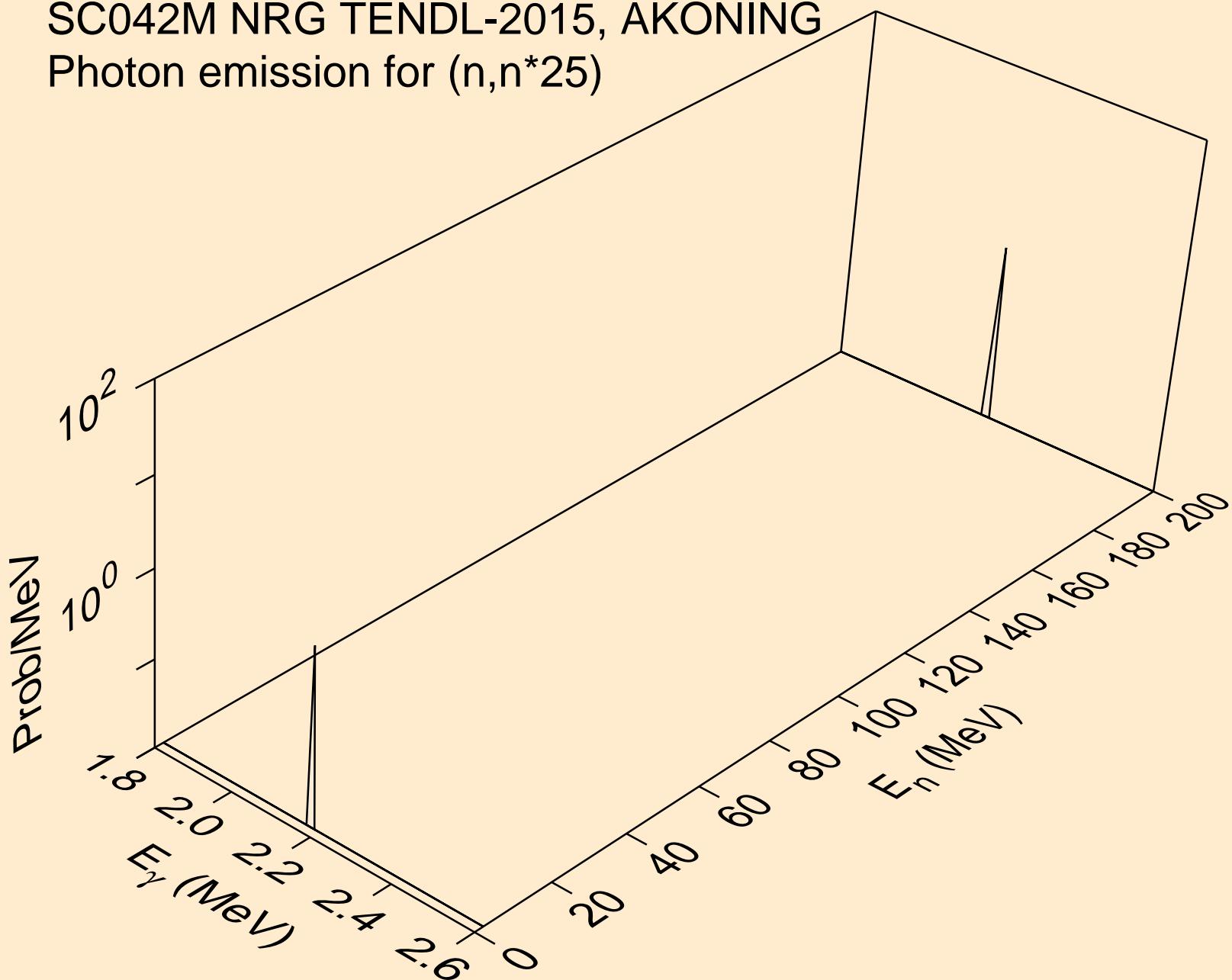
SC042M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^* 23$ )



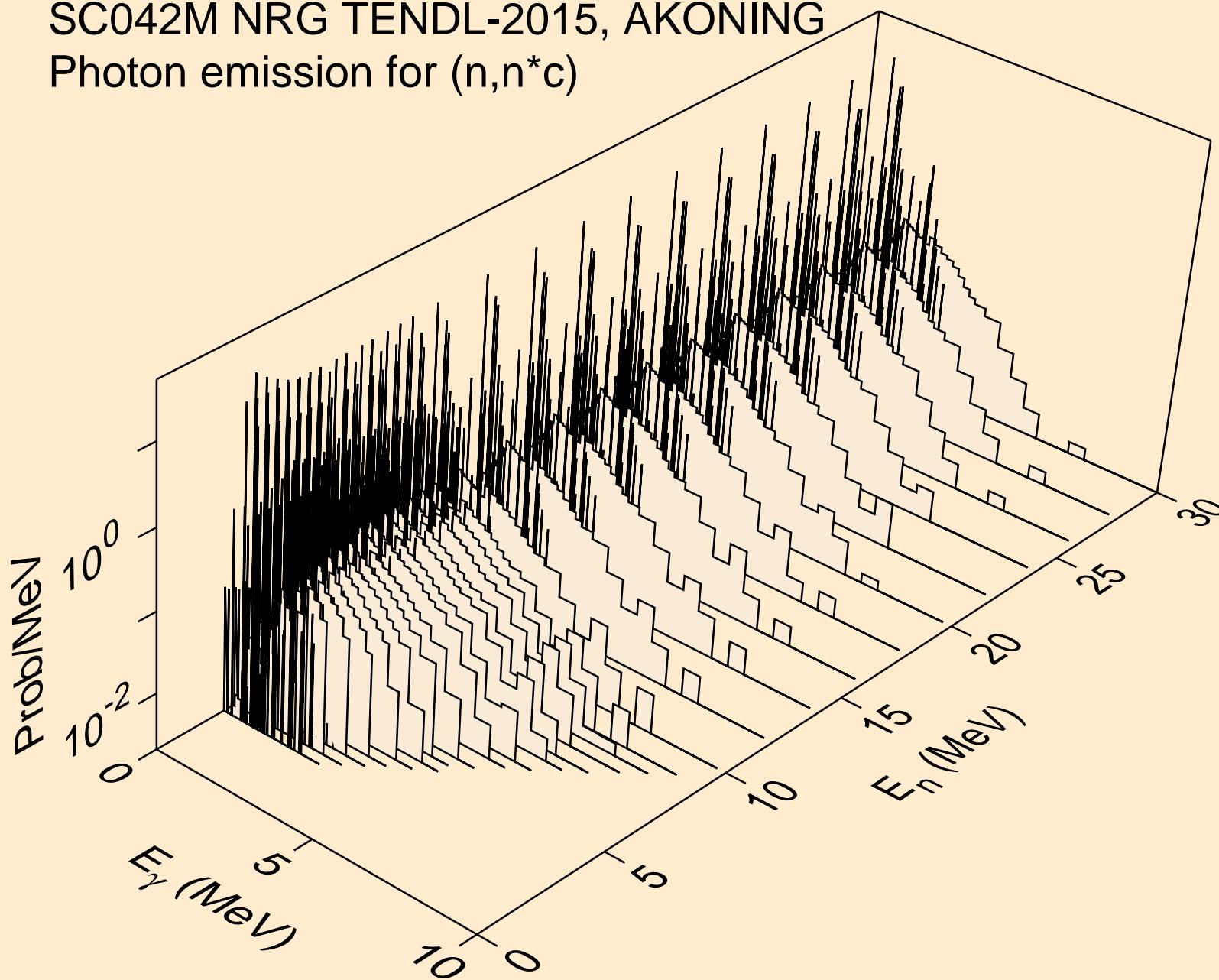
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Photon emission for (n,n\*24)



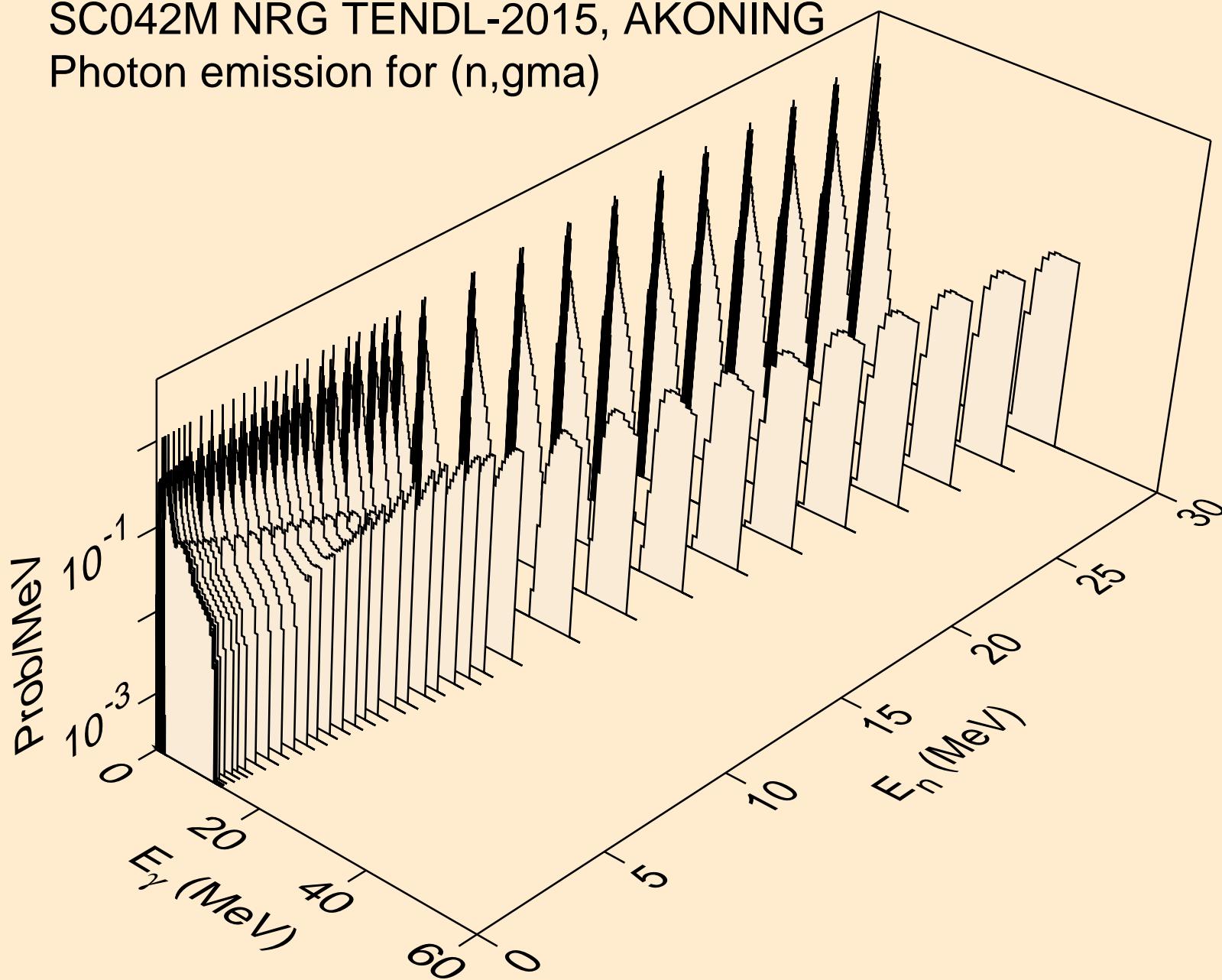
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*25)



SC042M NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^*c$ )

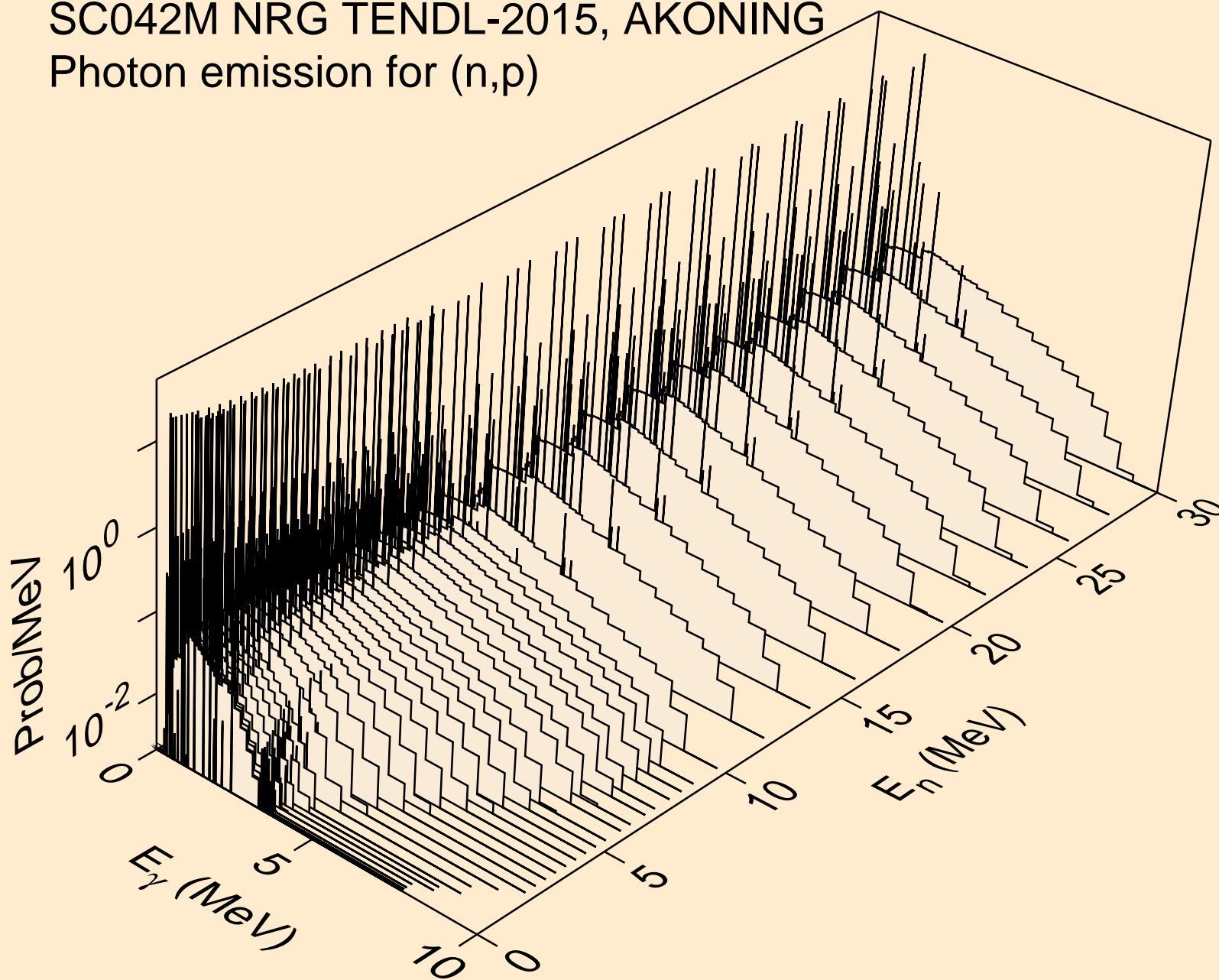


SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

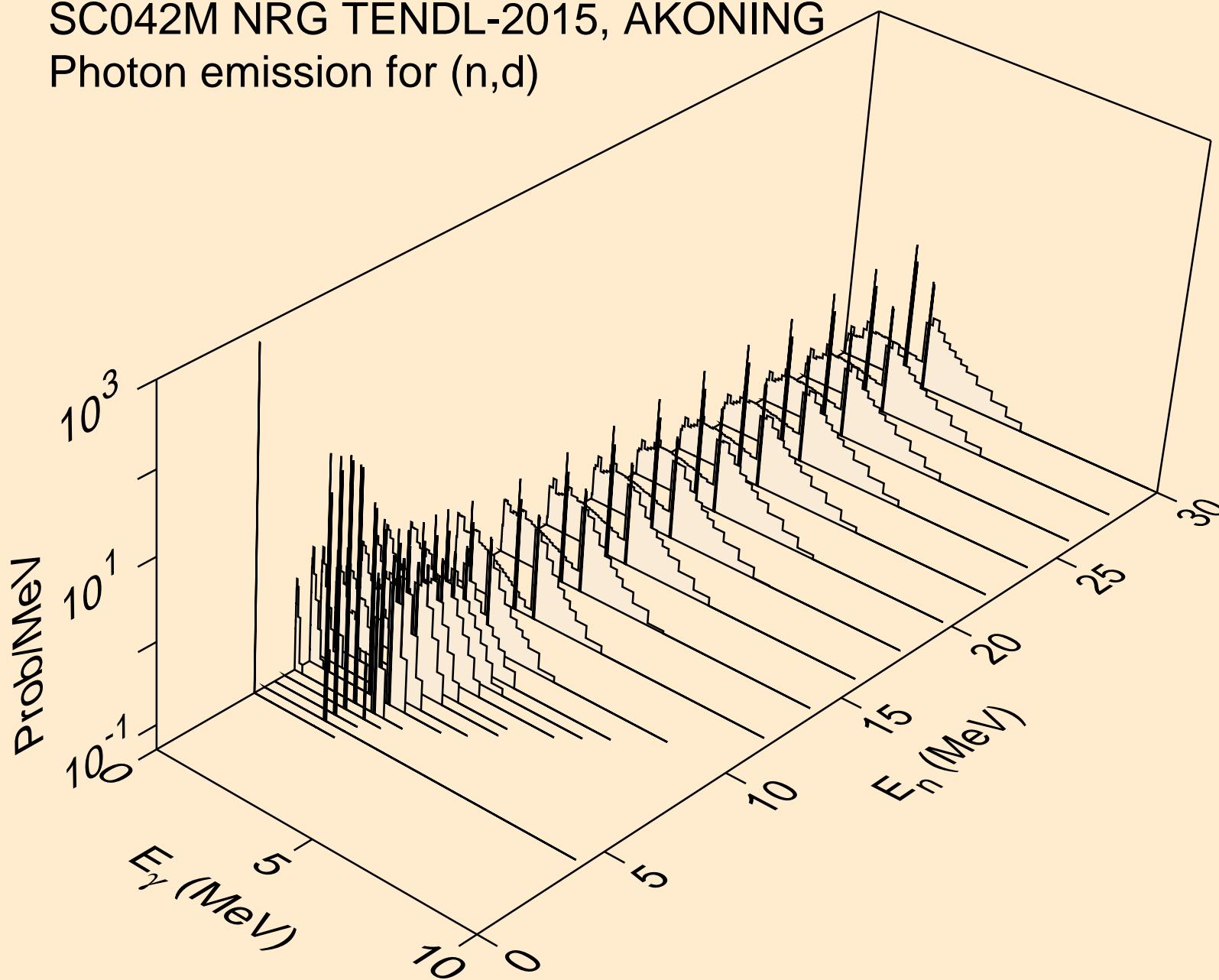


SC042M NRG TENDL-2015, AKONING

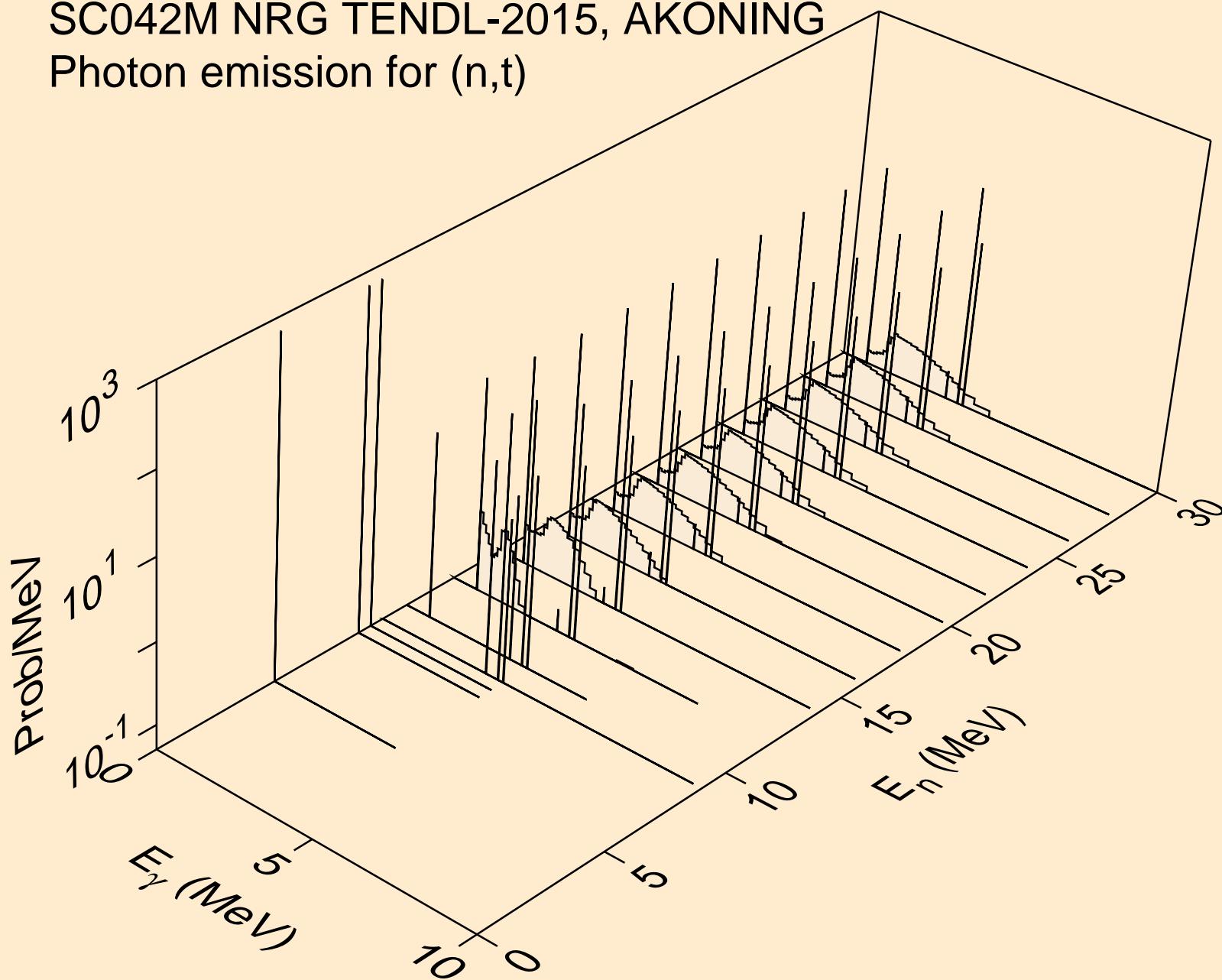
Photon emission for (n,p)



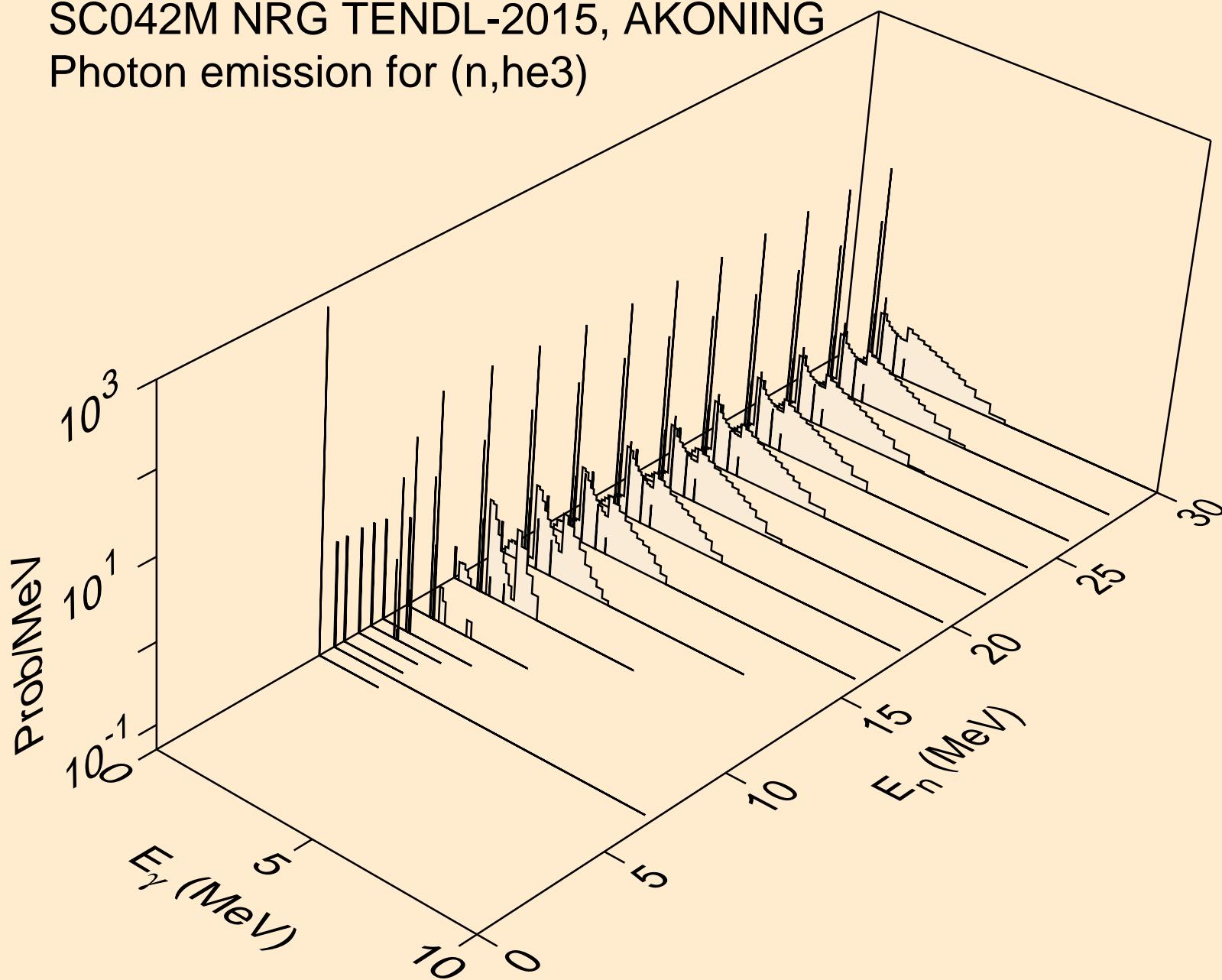
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Photon emission for (n,d)



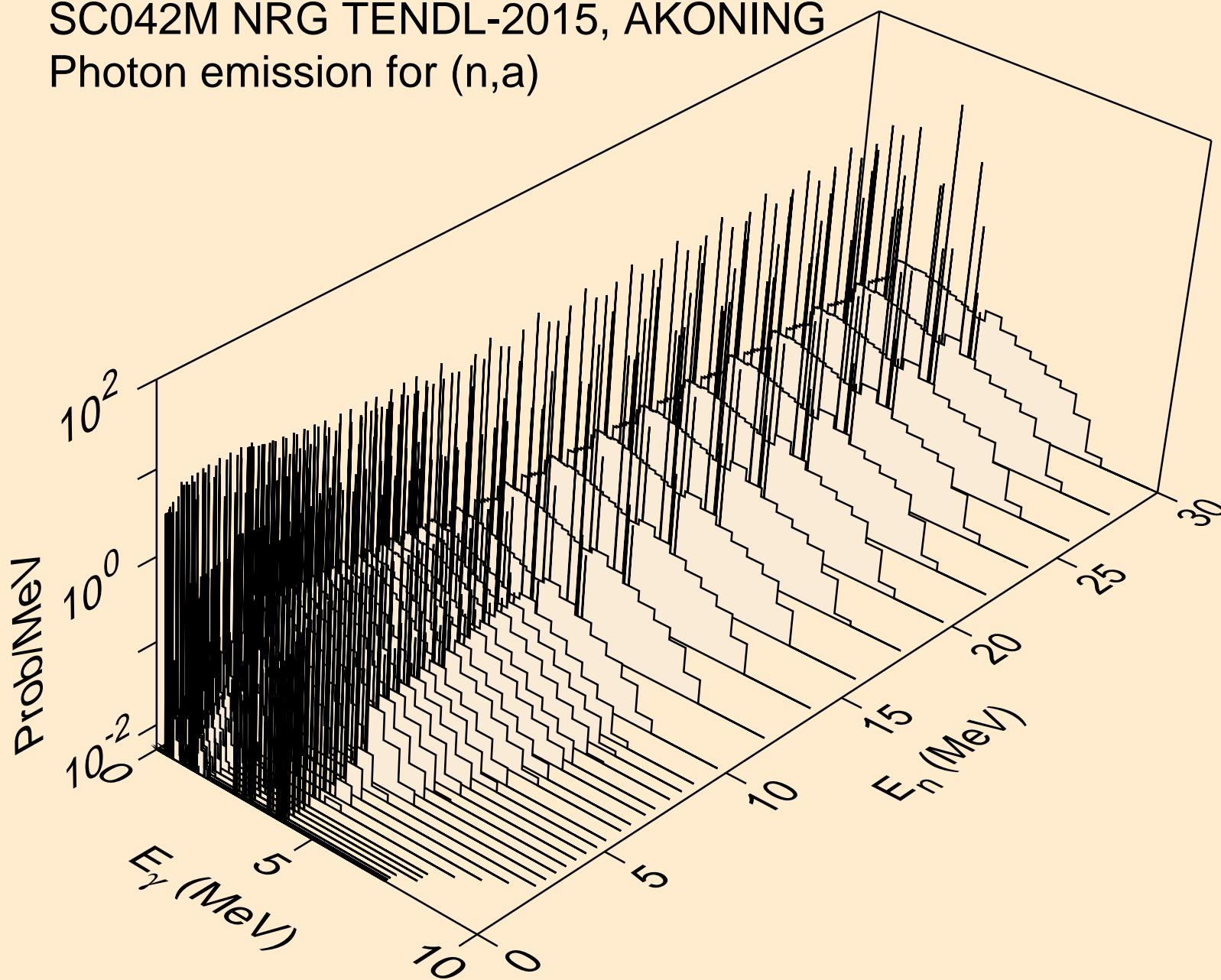
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,t)



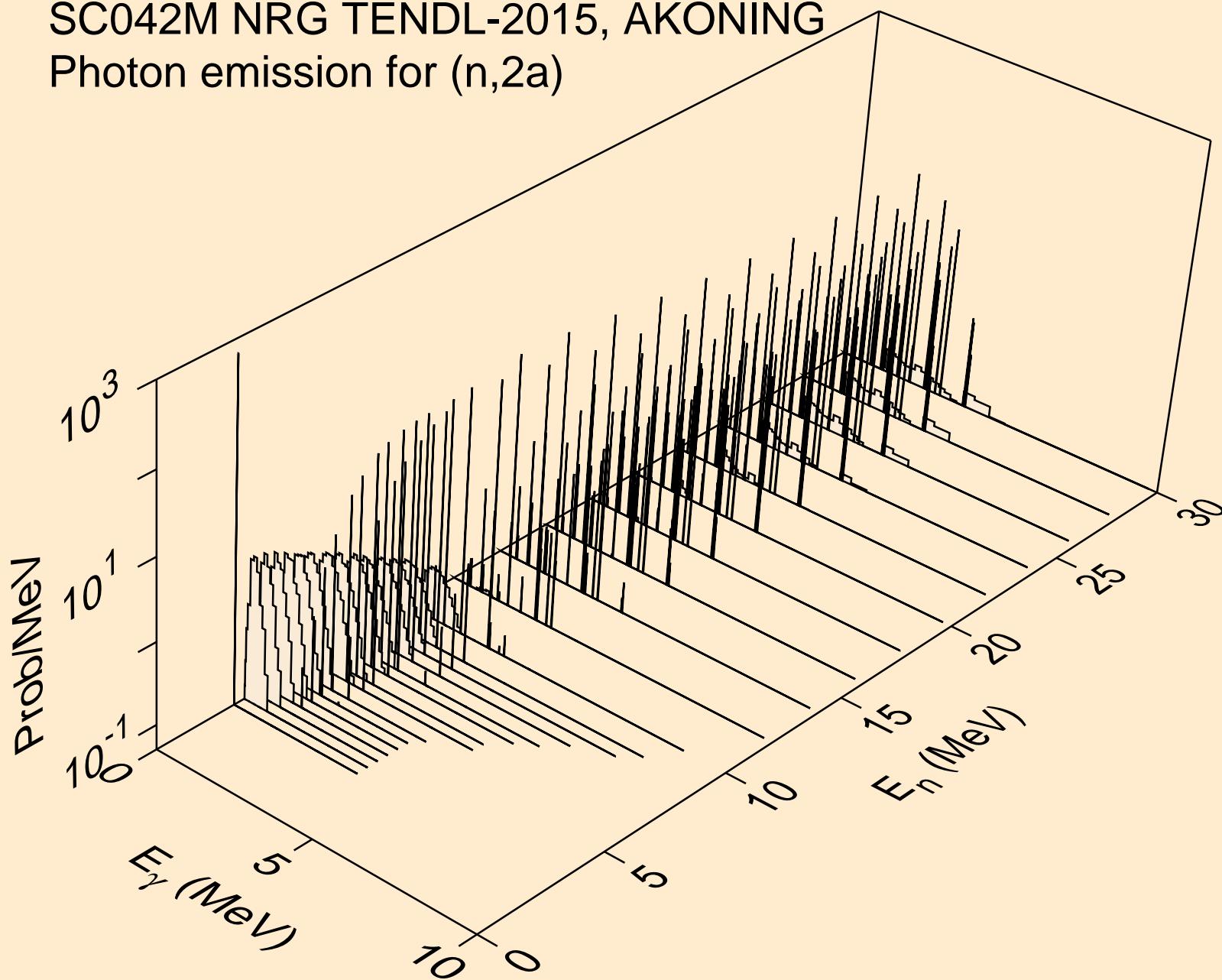
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



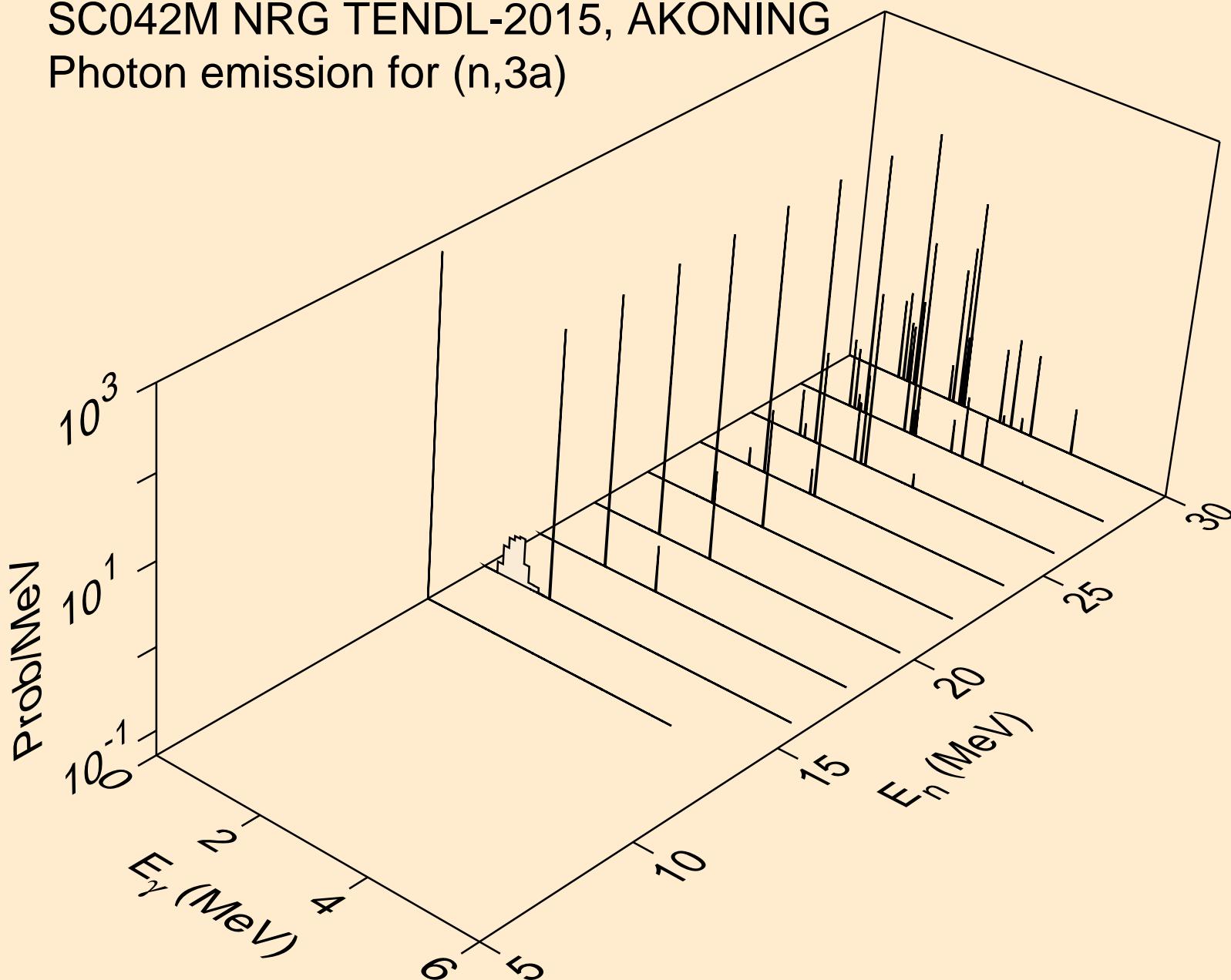
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Photon emission for (n,a)



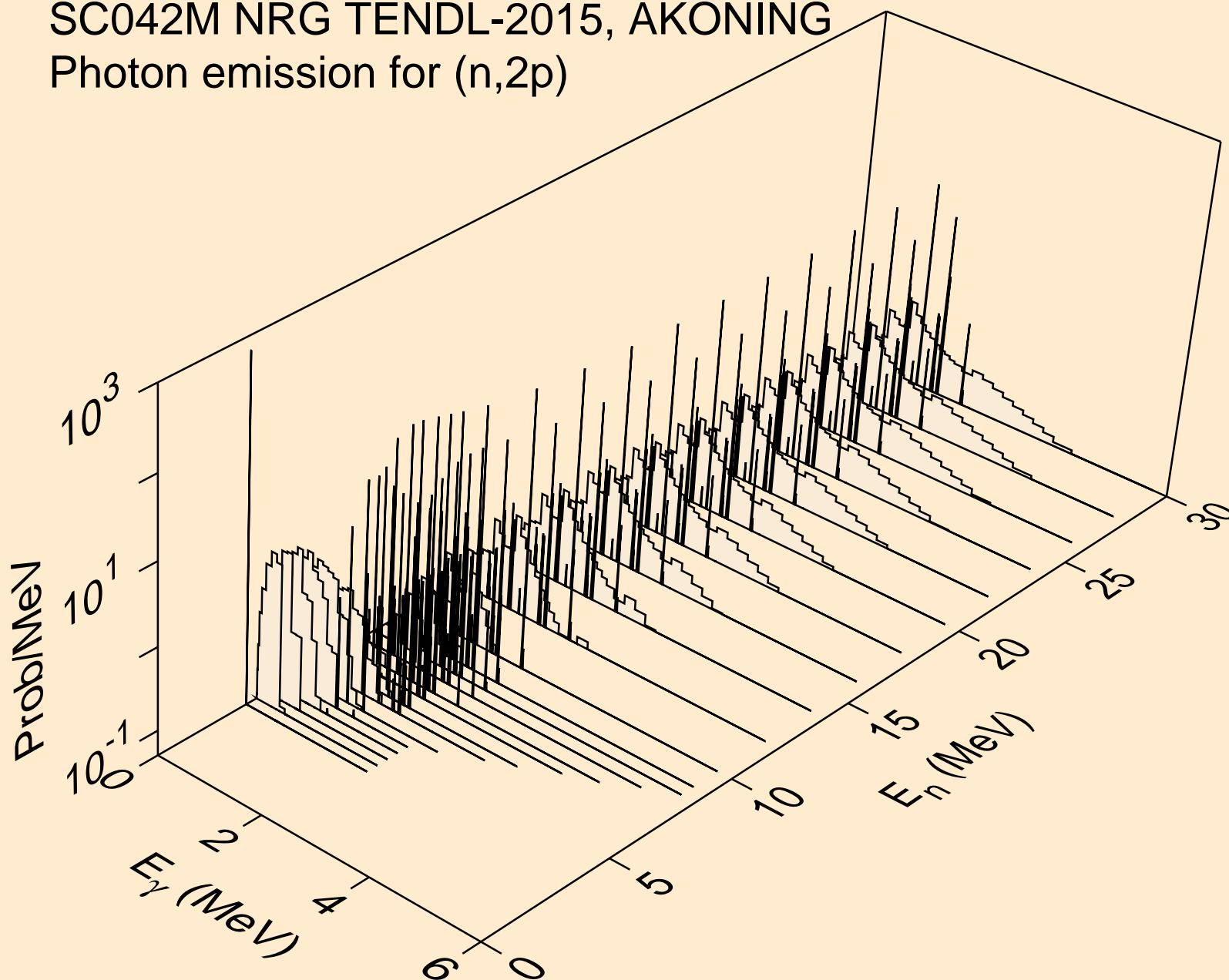
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Photon emission for (n,2a)



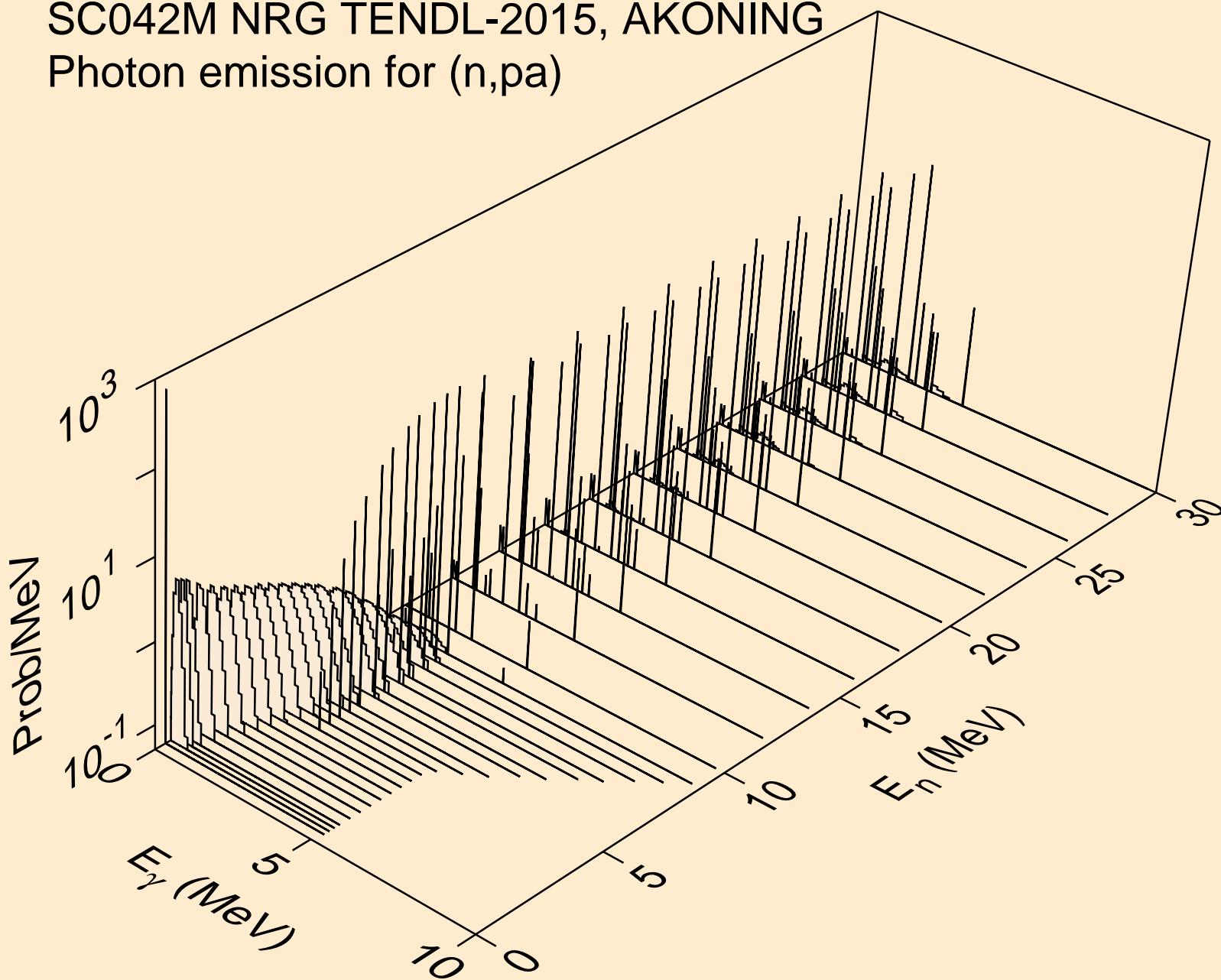
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Photon emission for (n,3a)



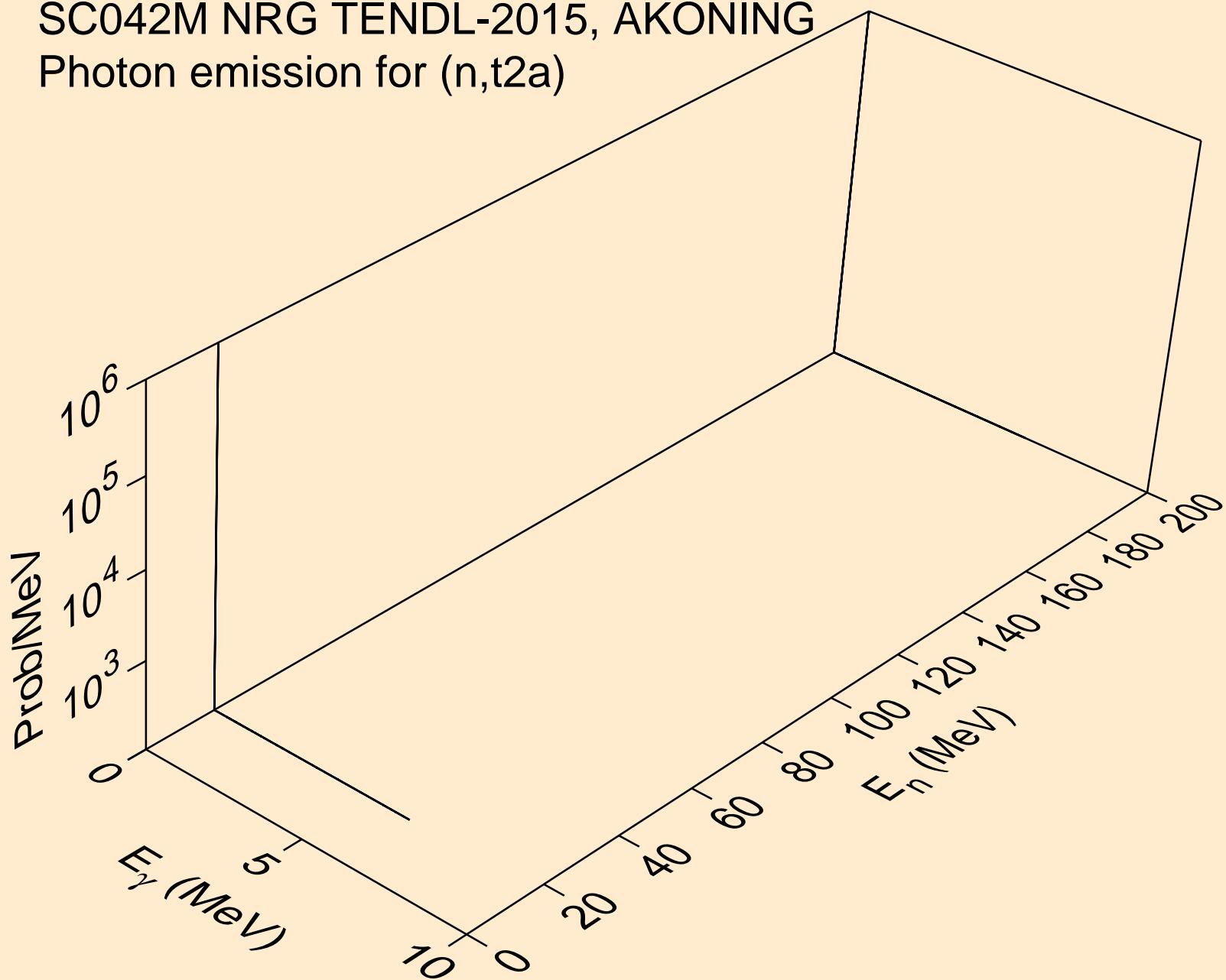
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Photon emission for (n,2p)



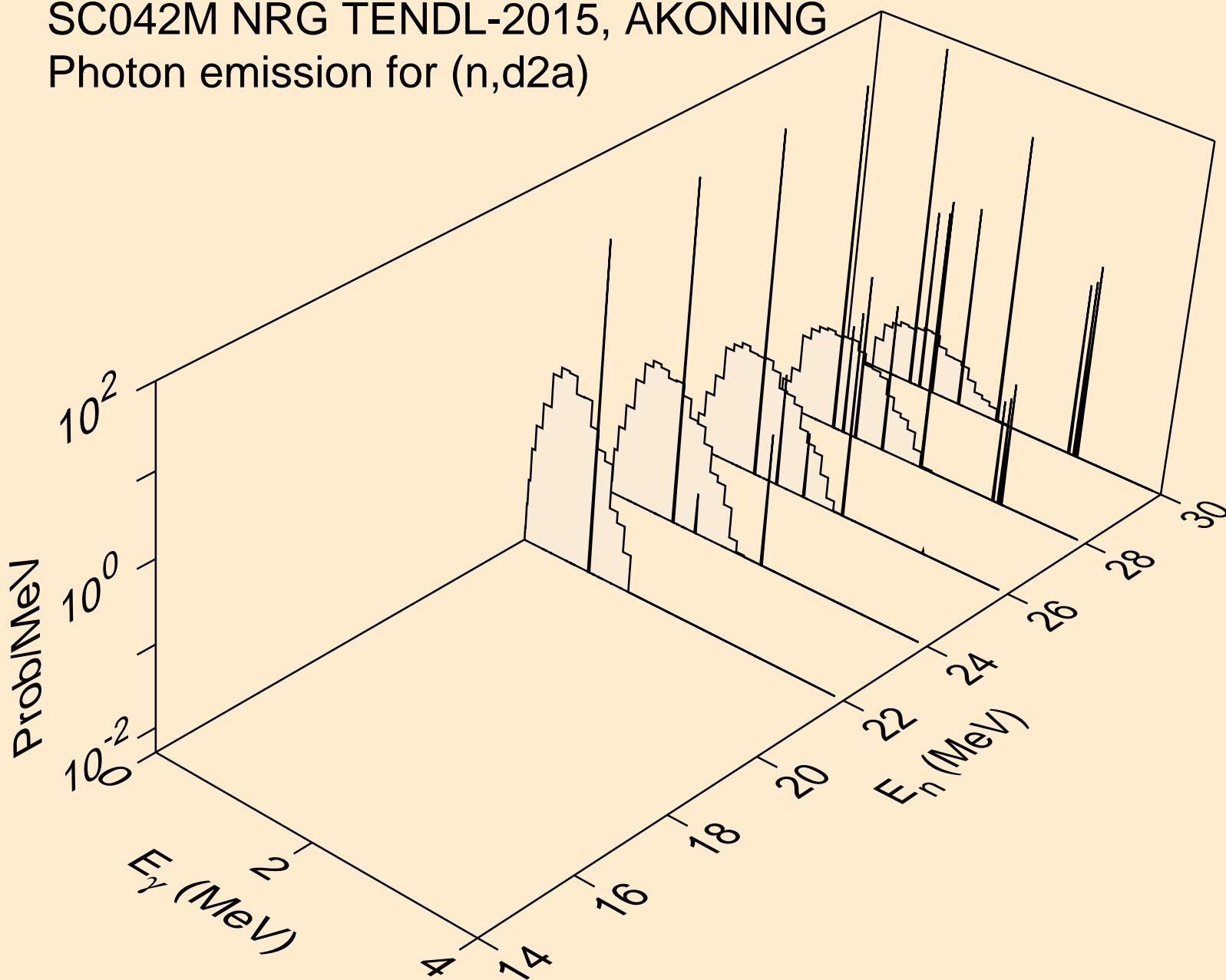
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



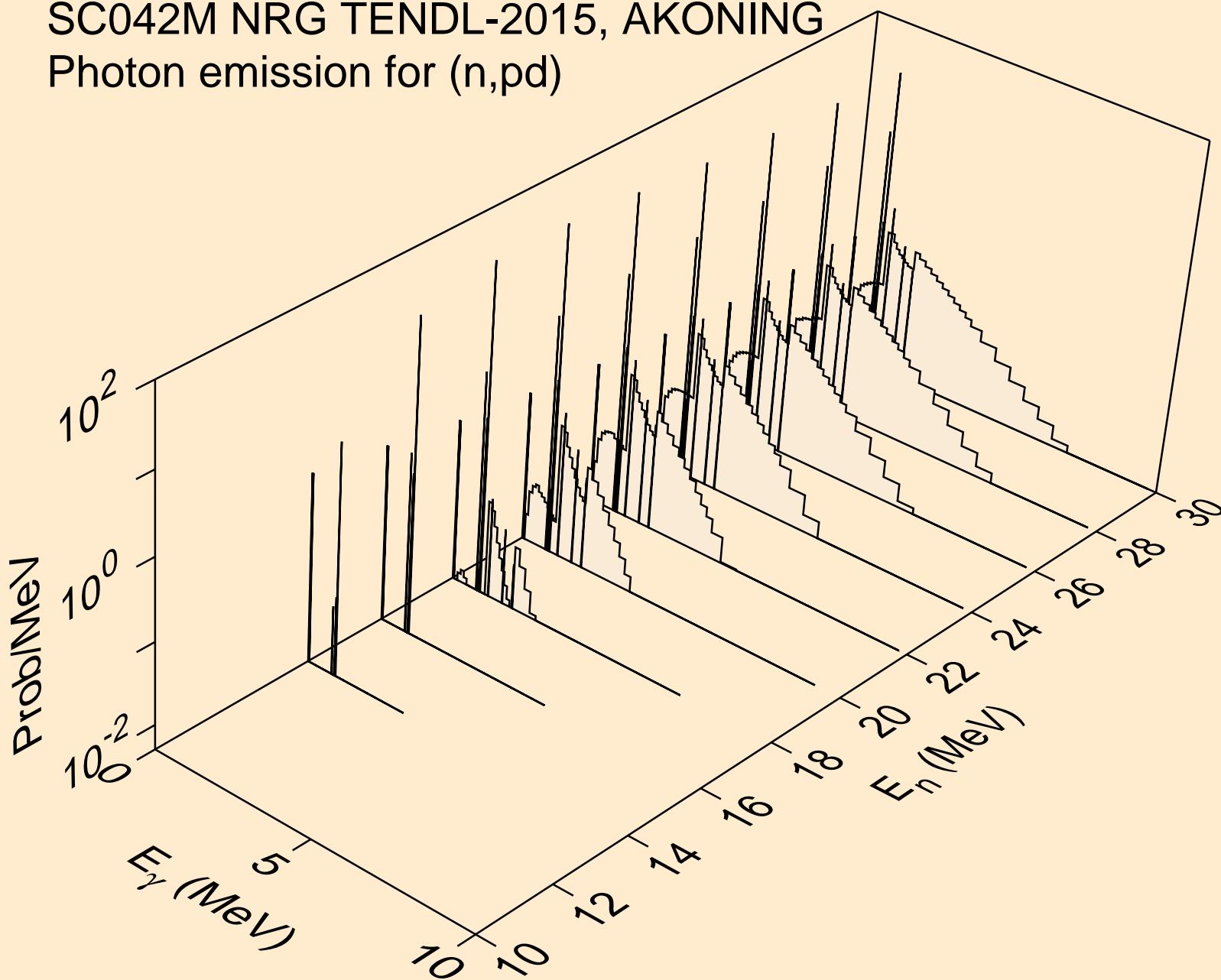
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



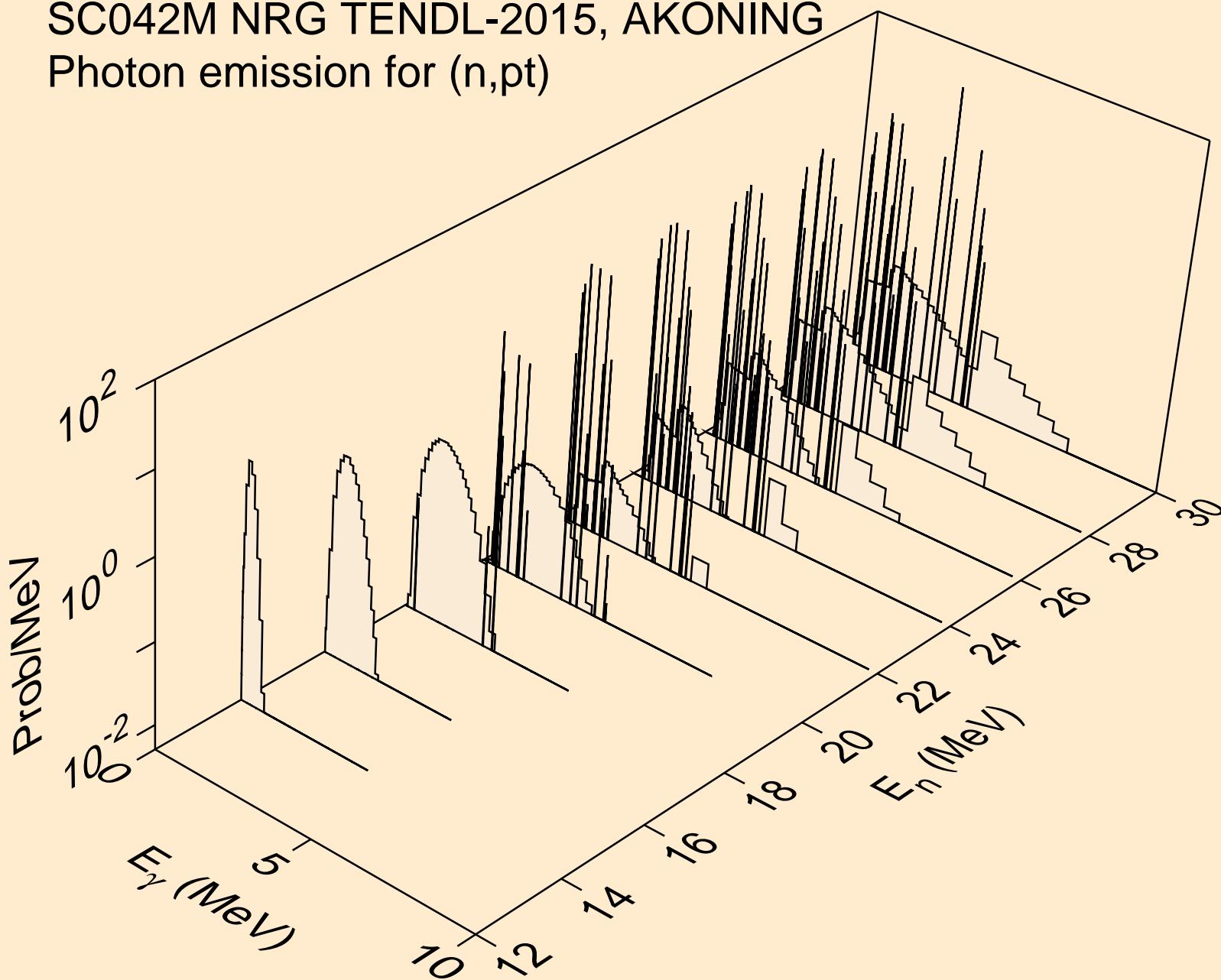
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Photon emission for (n,d2a)



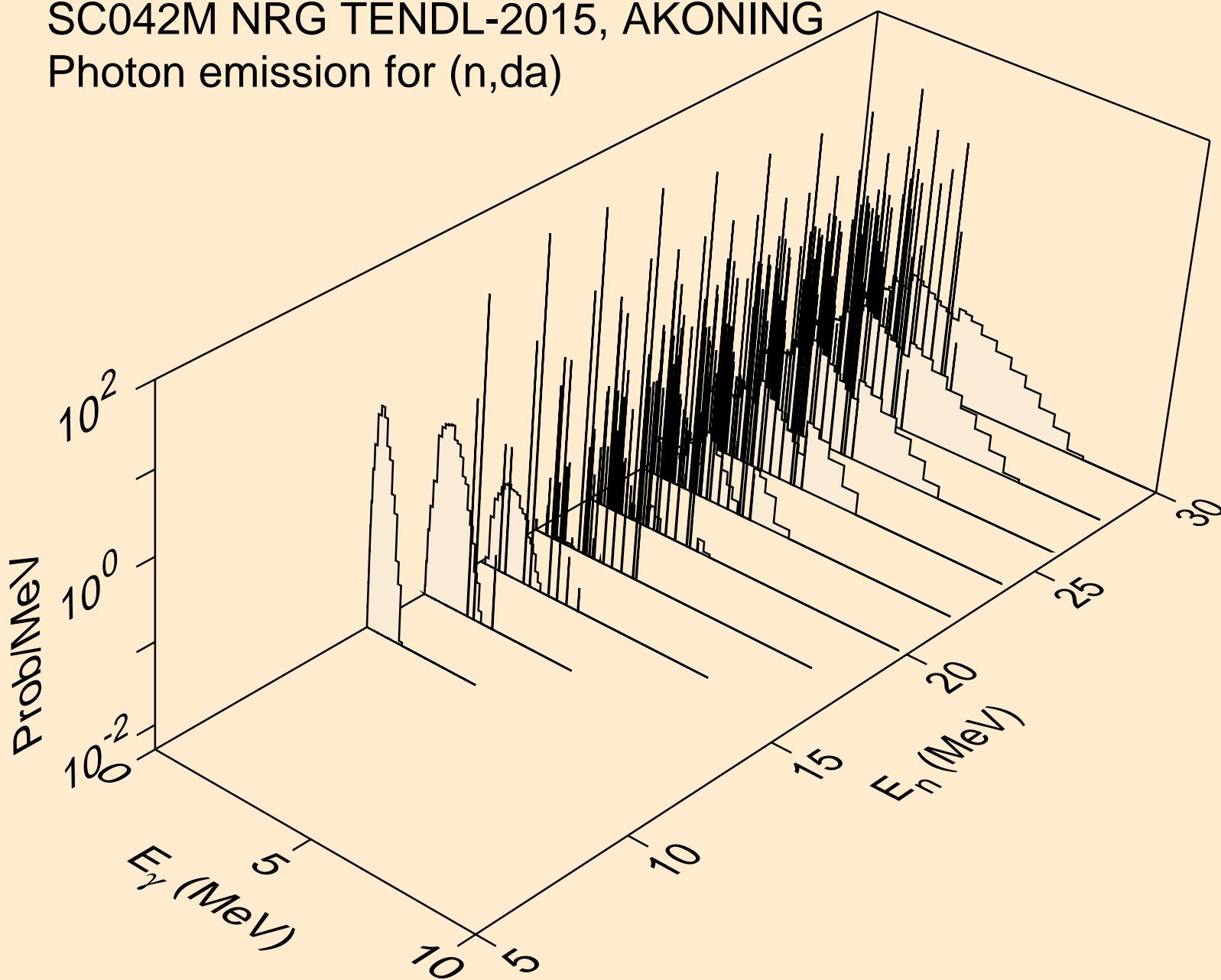
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



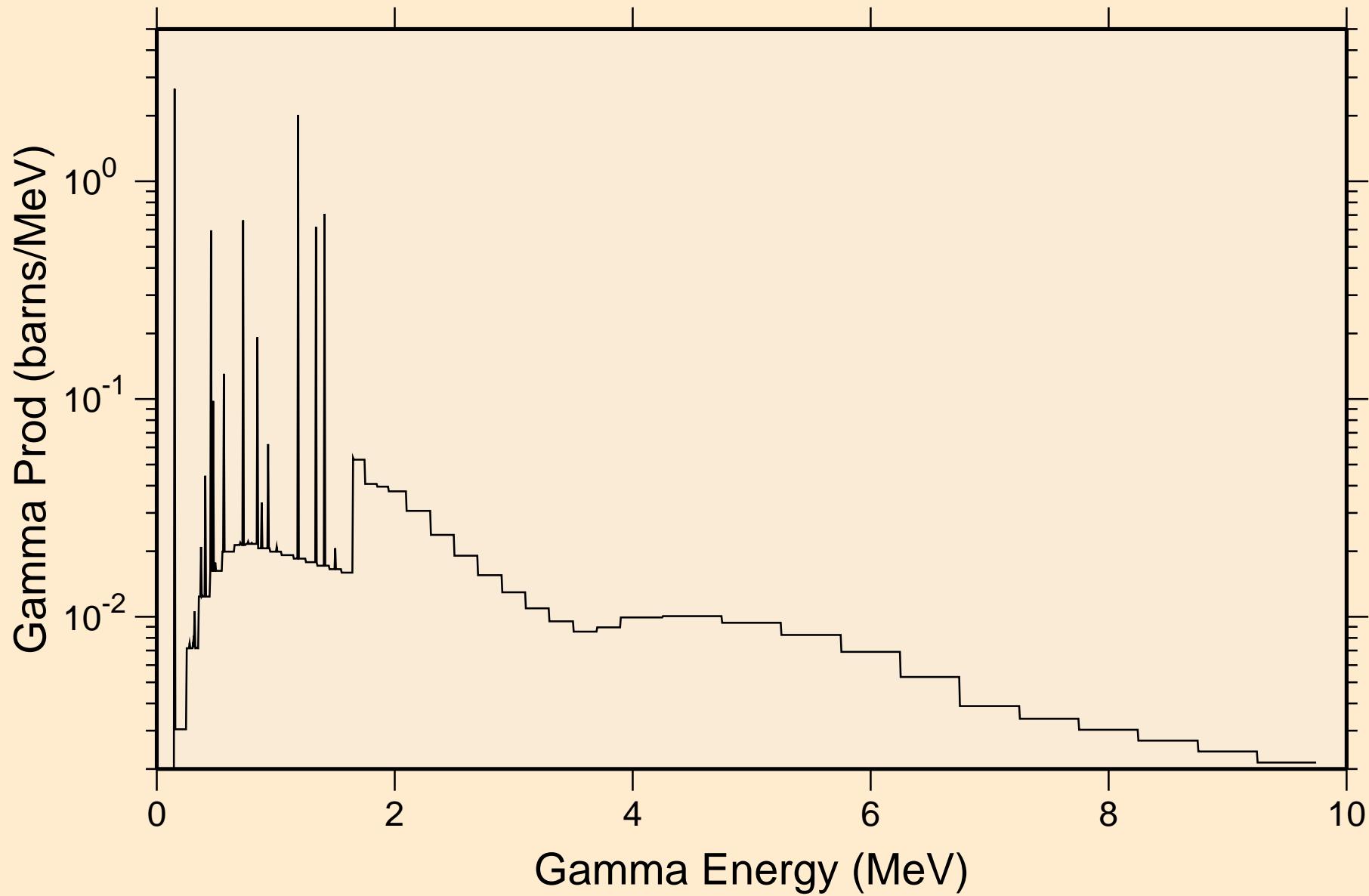
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



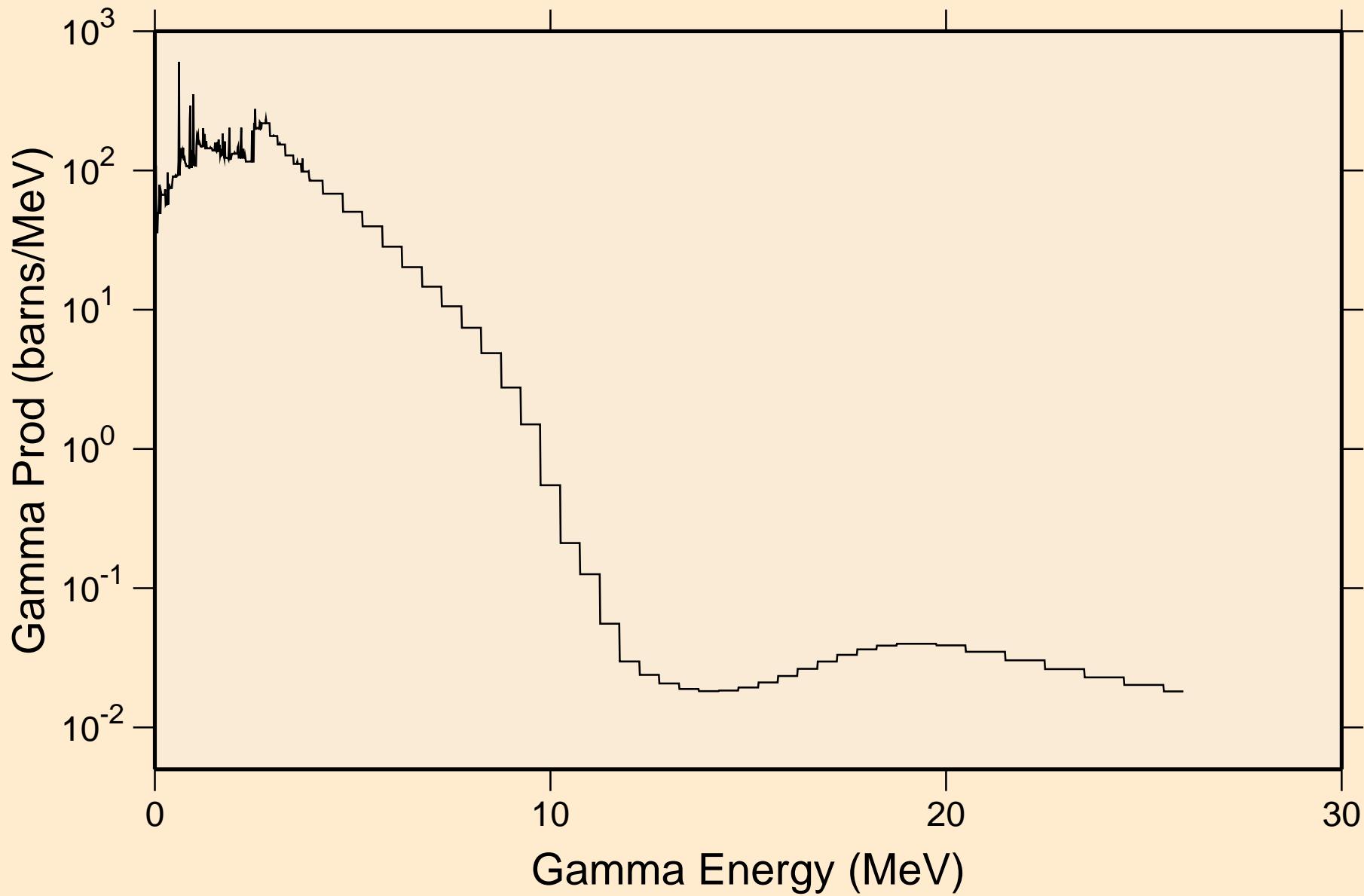
SC042M NRG TENDL-2015, AKONING  
Photon emission for (n,da)



SC042M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

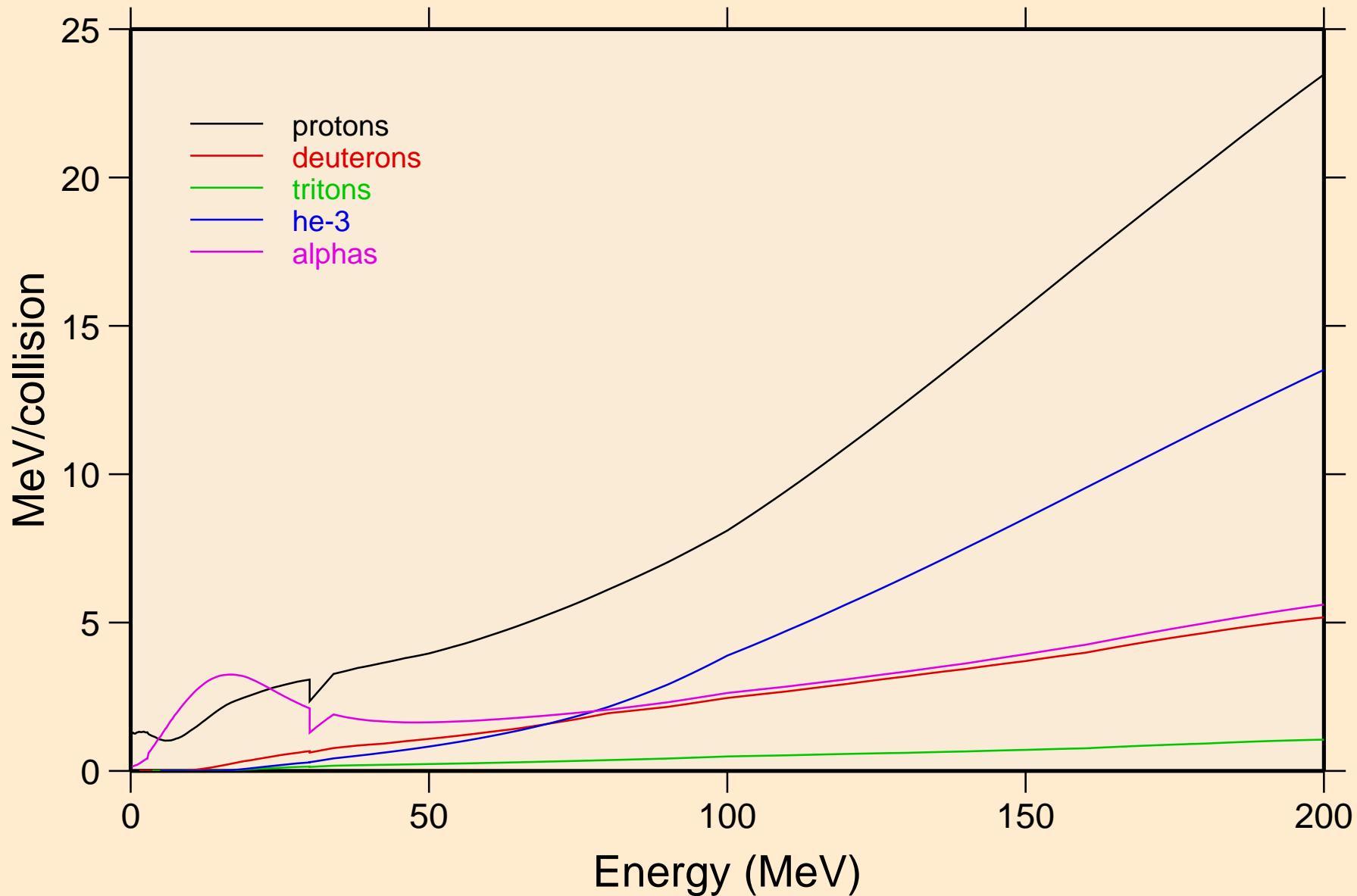


SC042M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



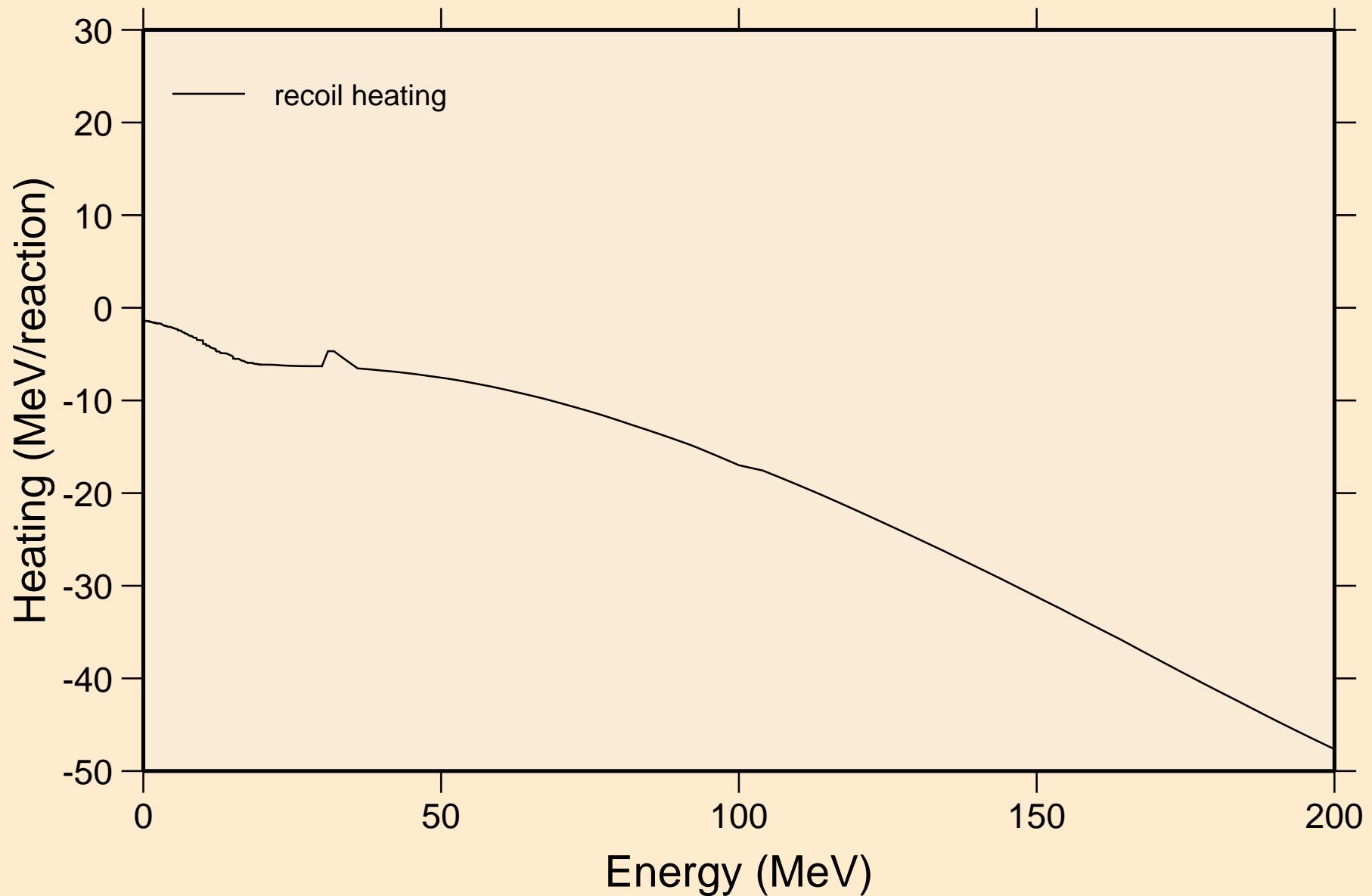
# SC042M NRG TENDL-2015, AKONING

## Particle heating contributions



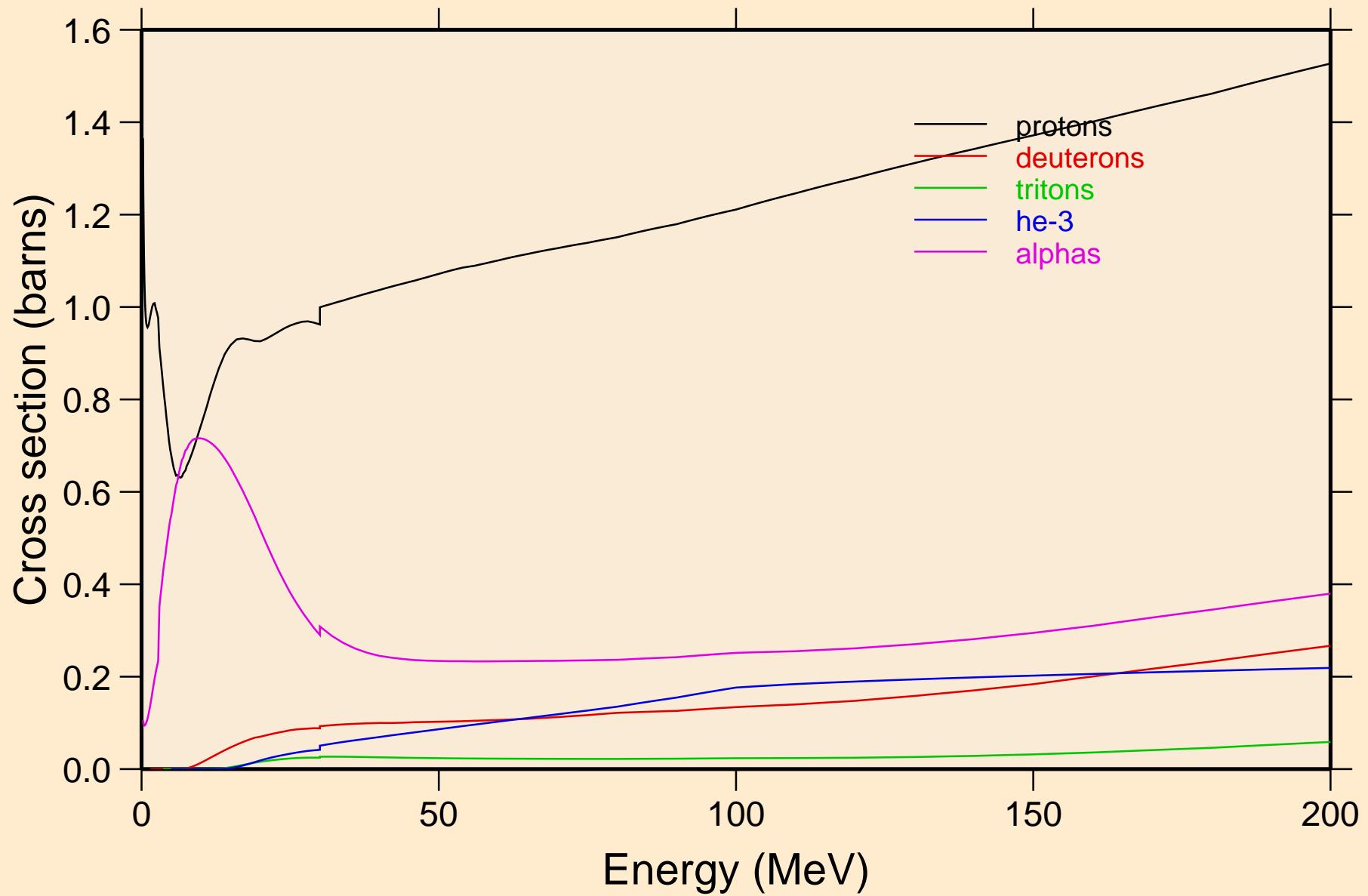
# SC042M NRG TENDL-2015, AKONING

## Recoil Heating

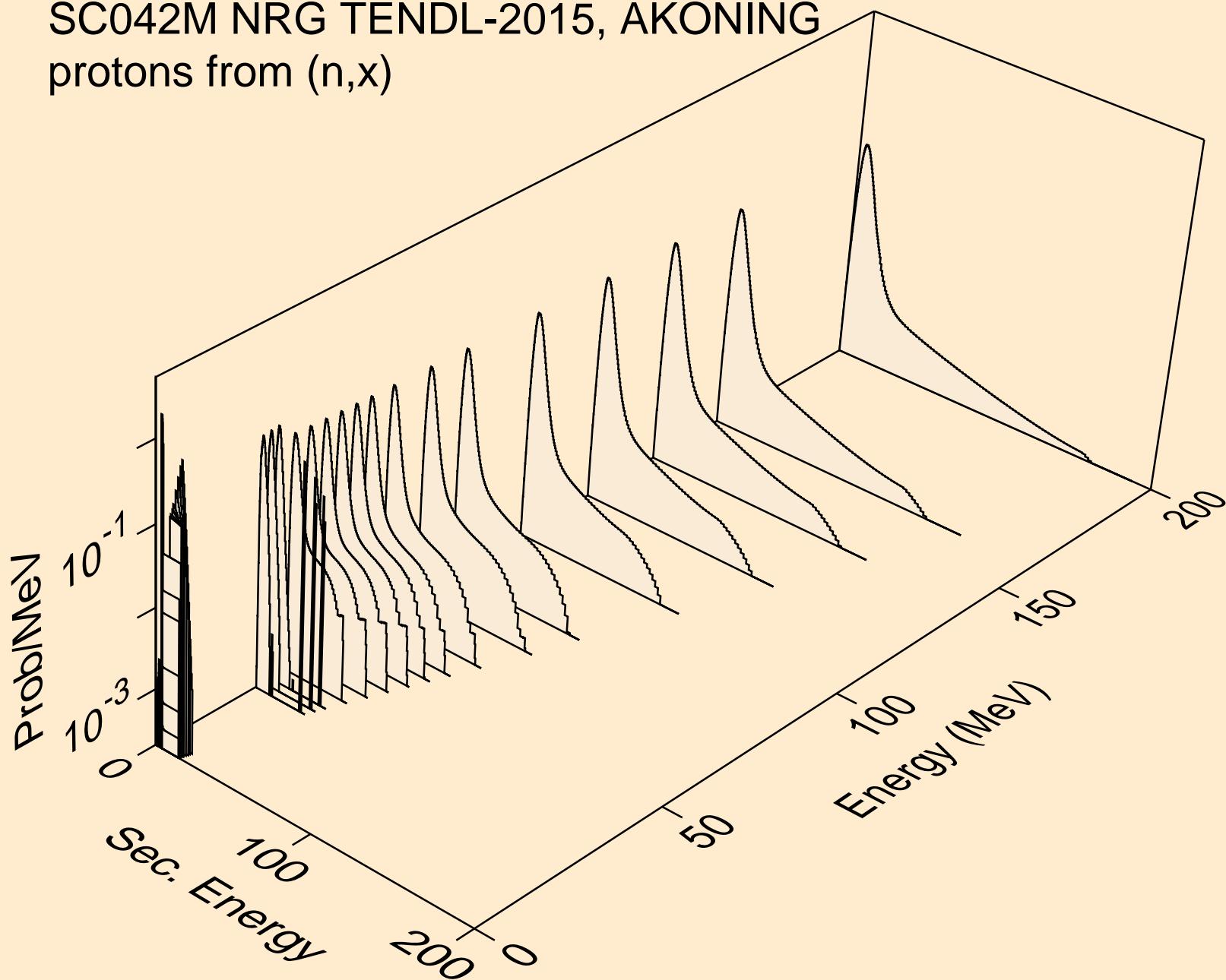


# SC042M NRG TENDL-2015, AKONING

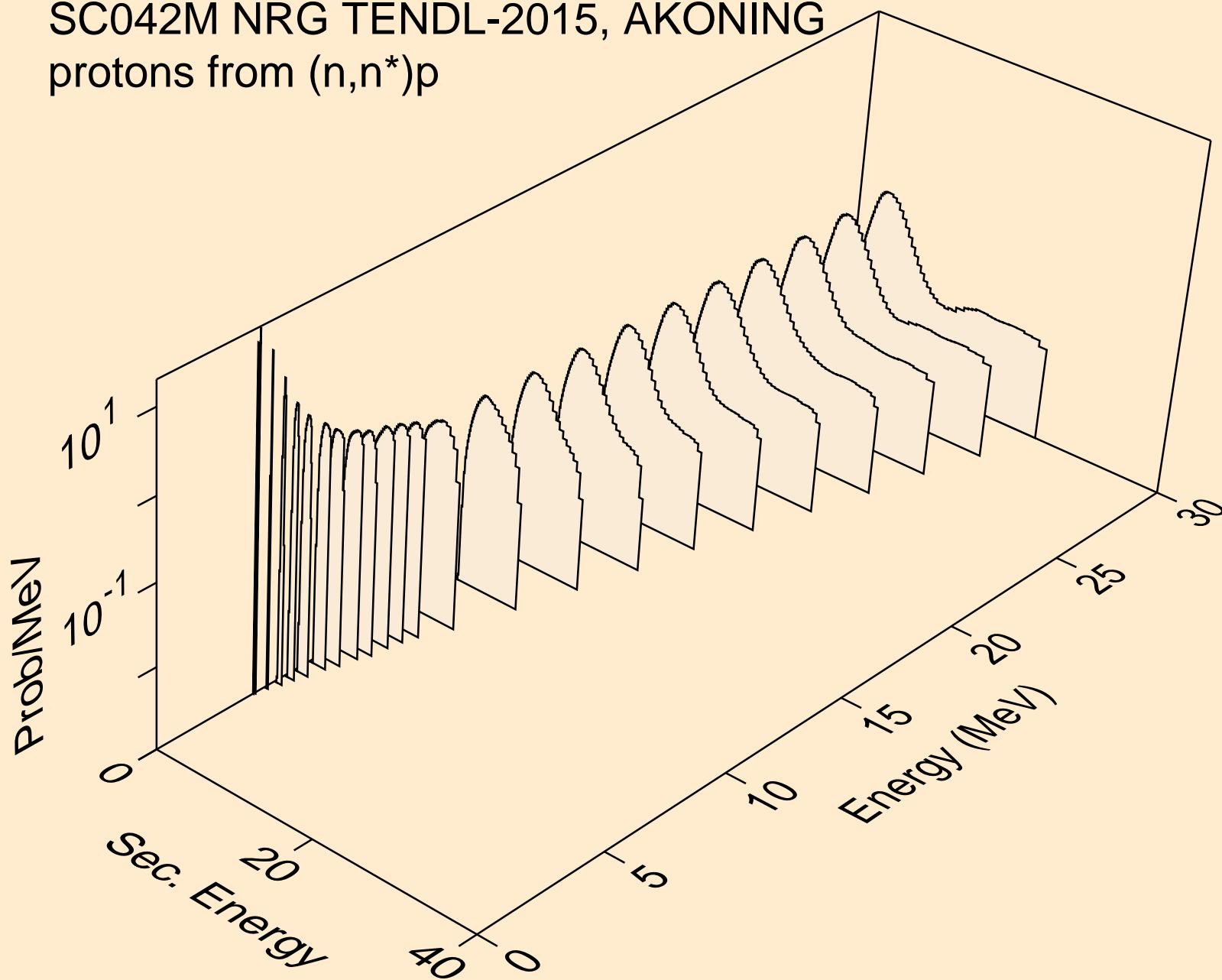
## Particle production cross sections



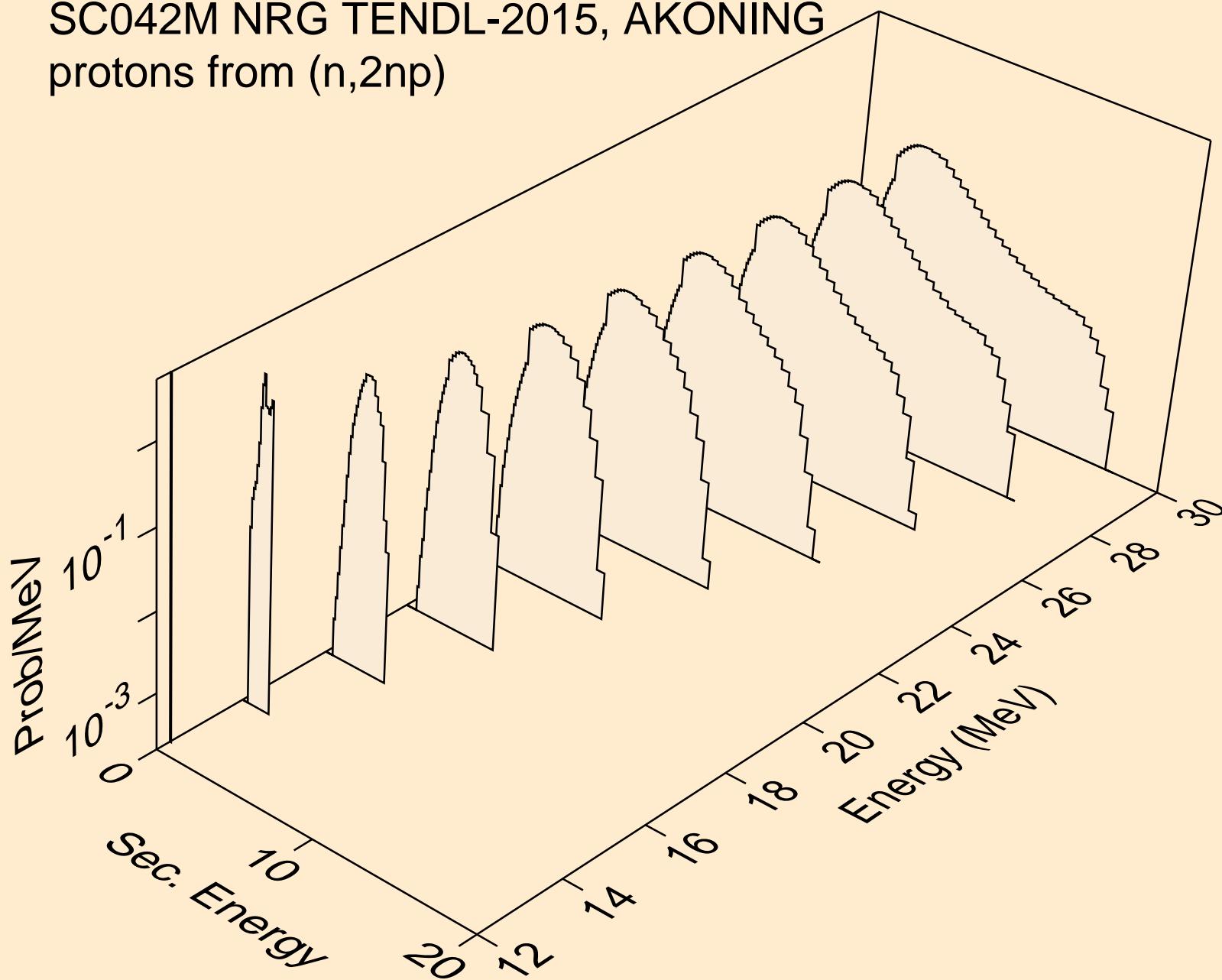
SC042M NRG TENDL-2015, AKONING  
protons from ( $n,x$ )



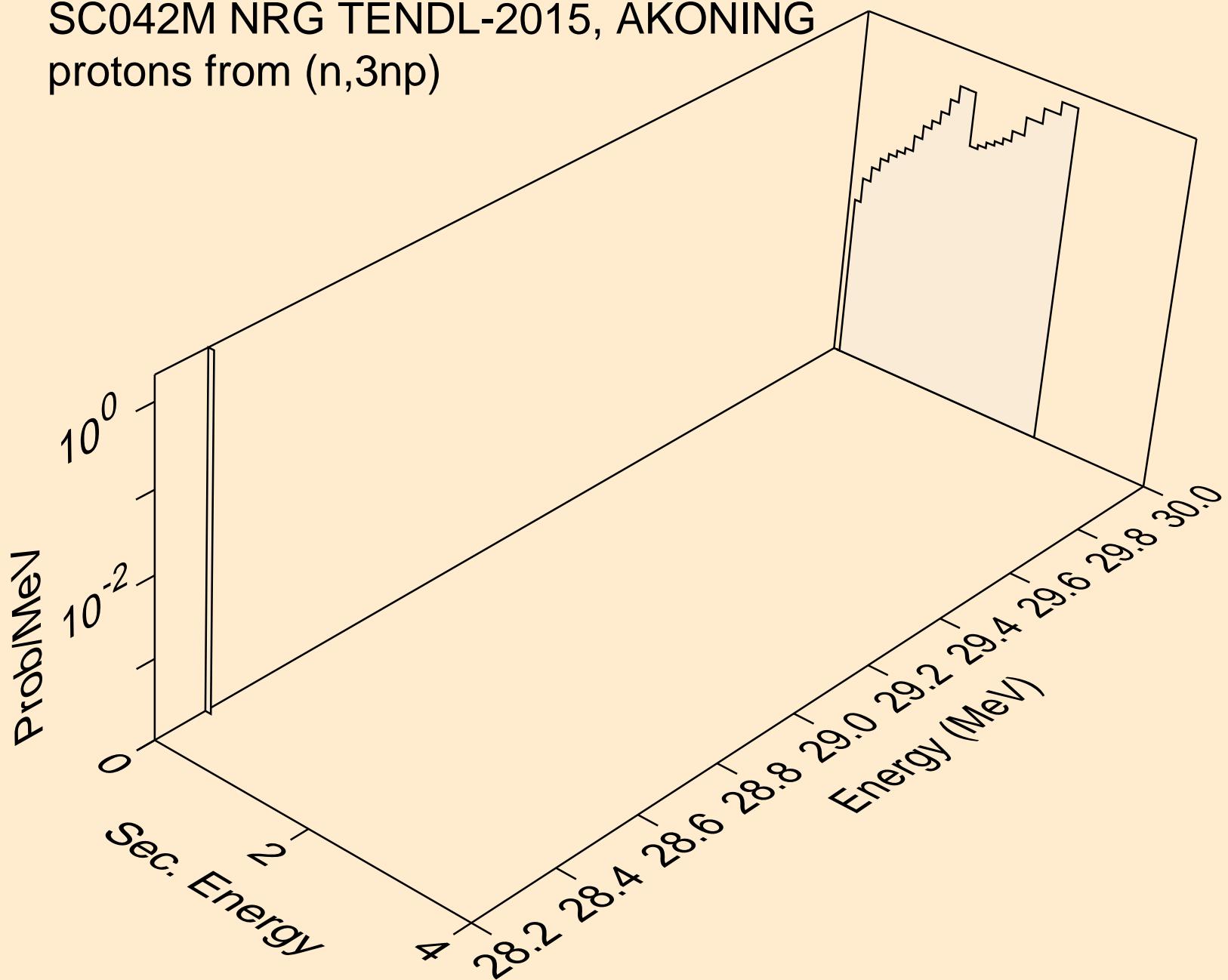
SC042M NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



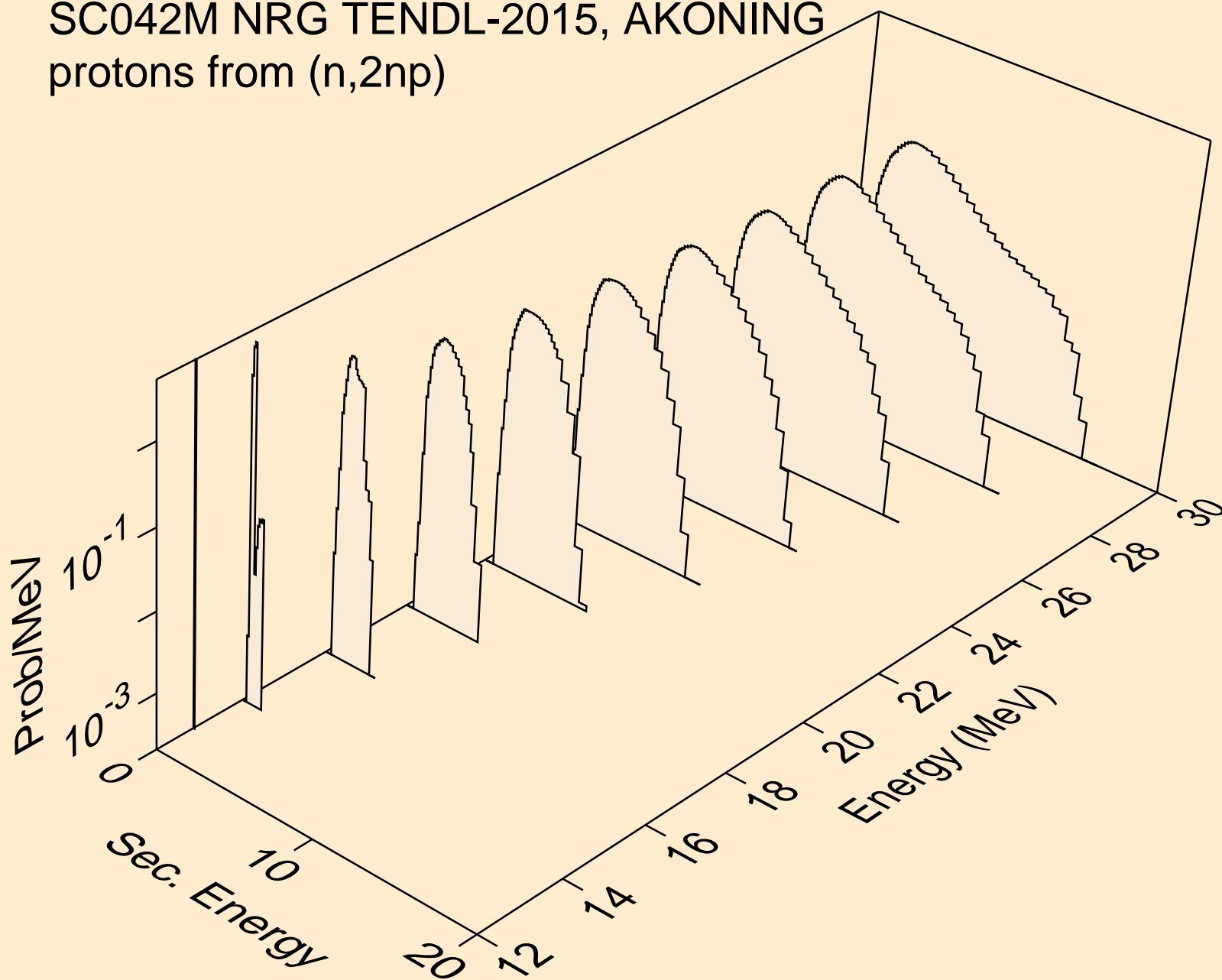
SC042M NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



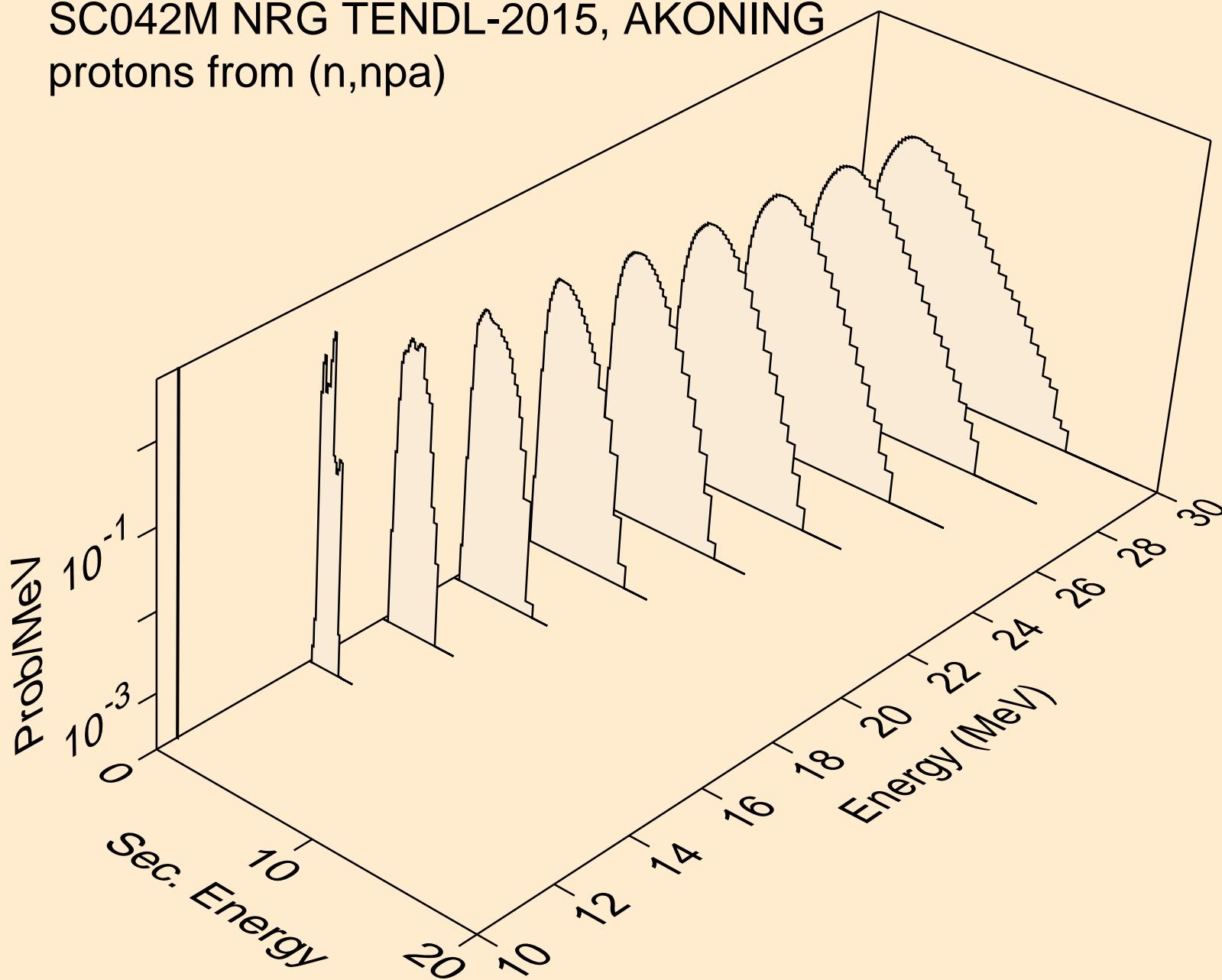
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protons from ( $n,3np$ )



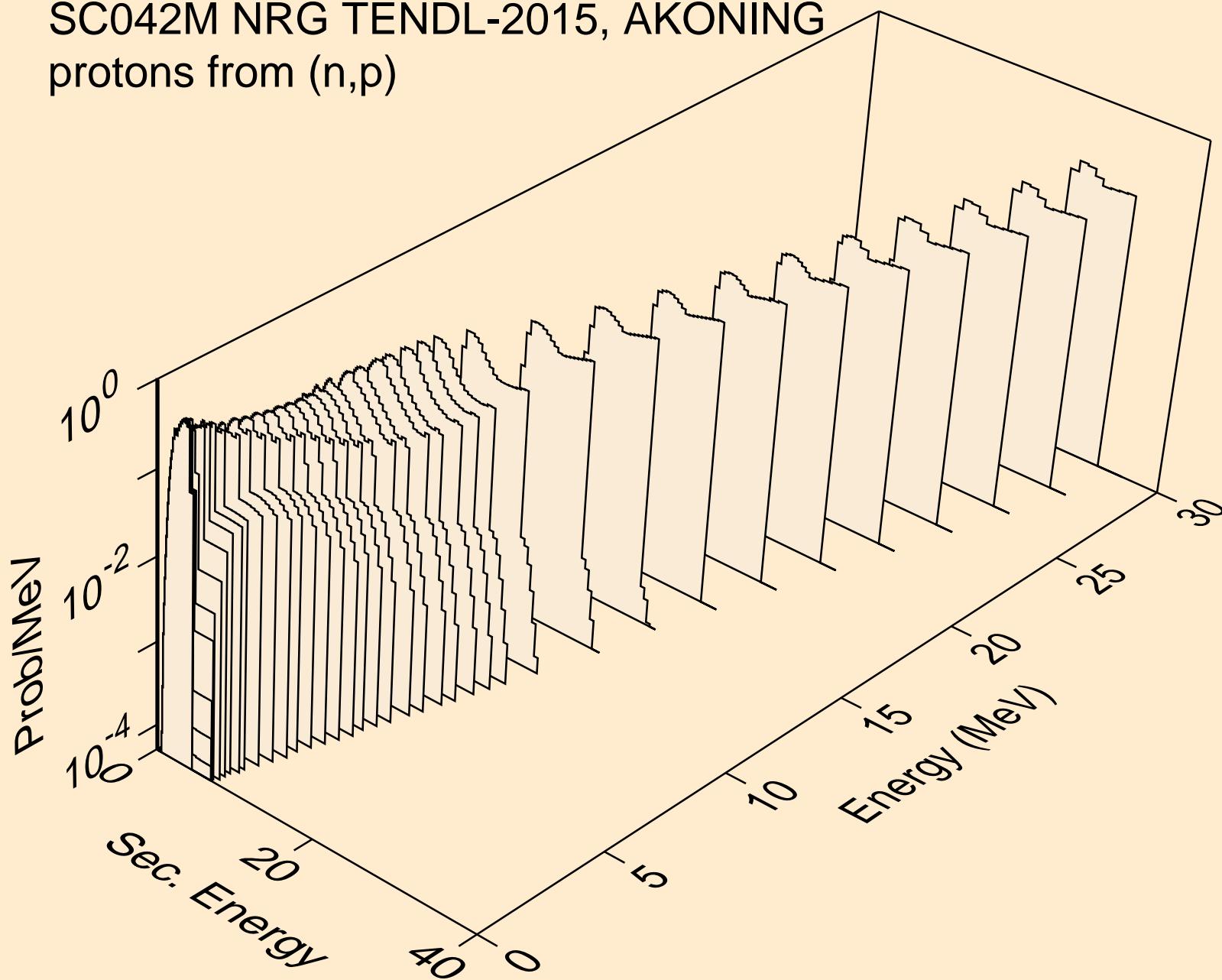
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protons from ( $n,2np$ )



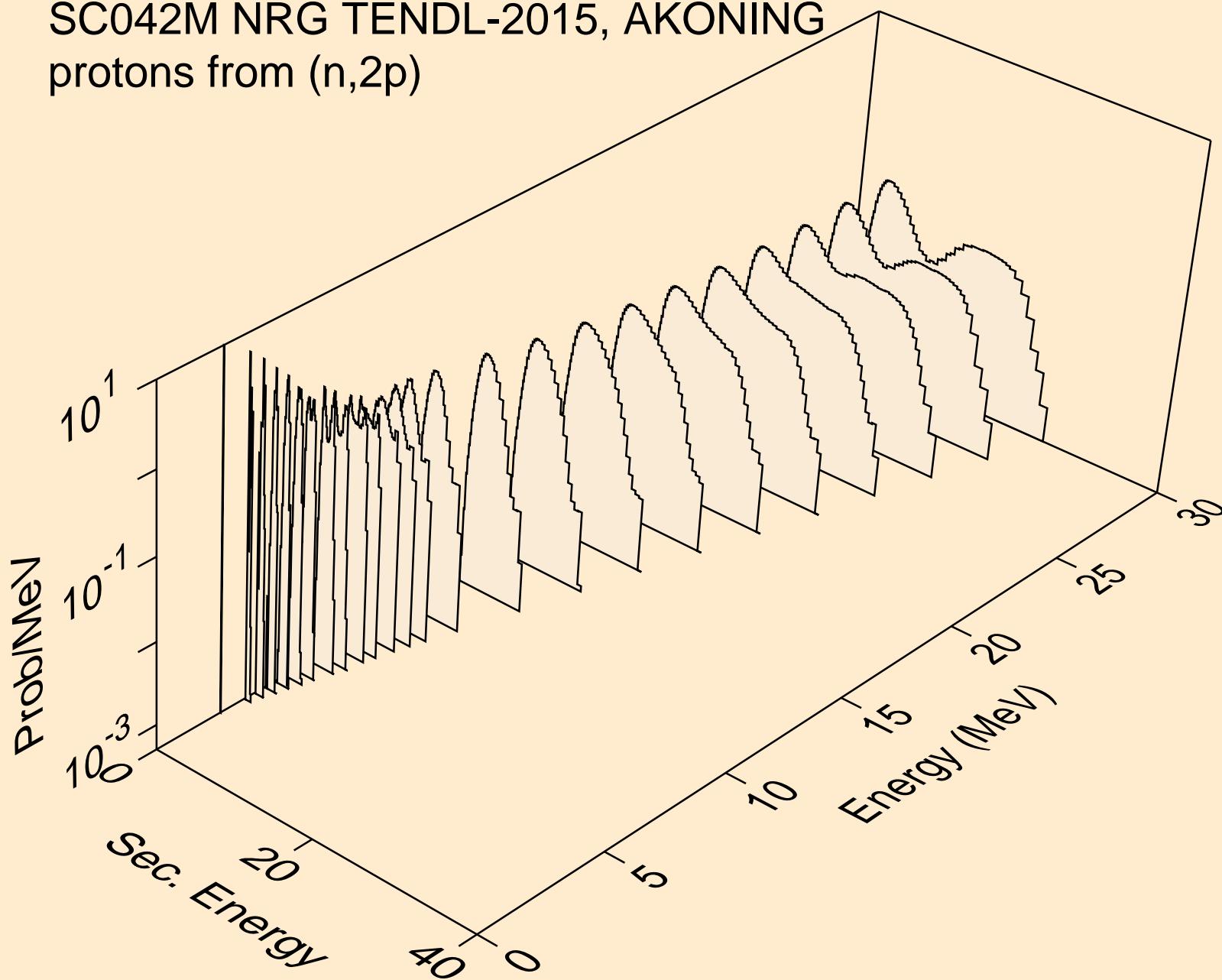
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protons from (n,npa)



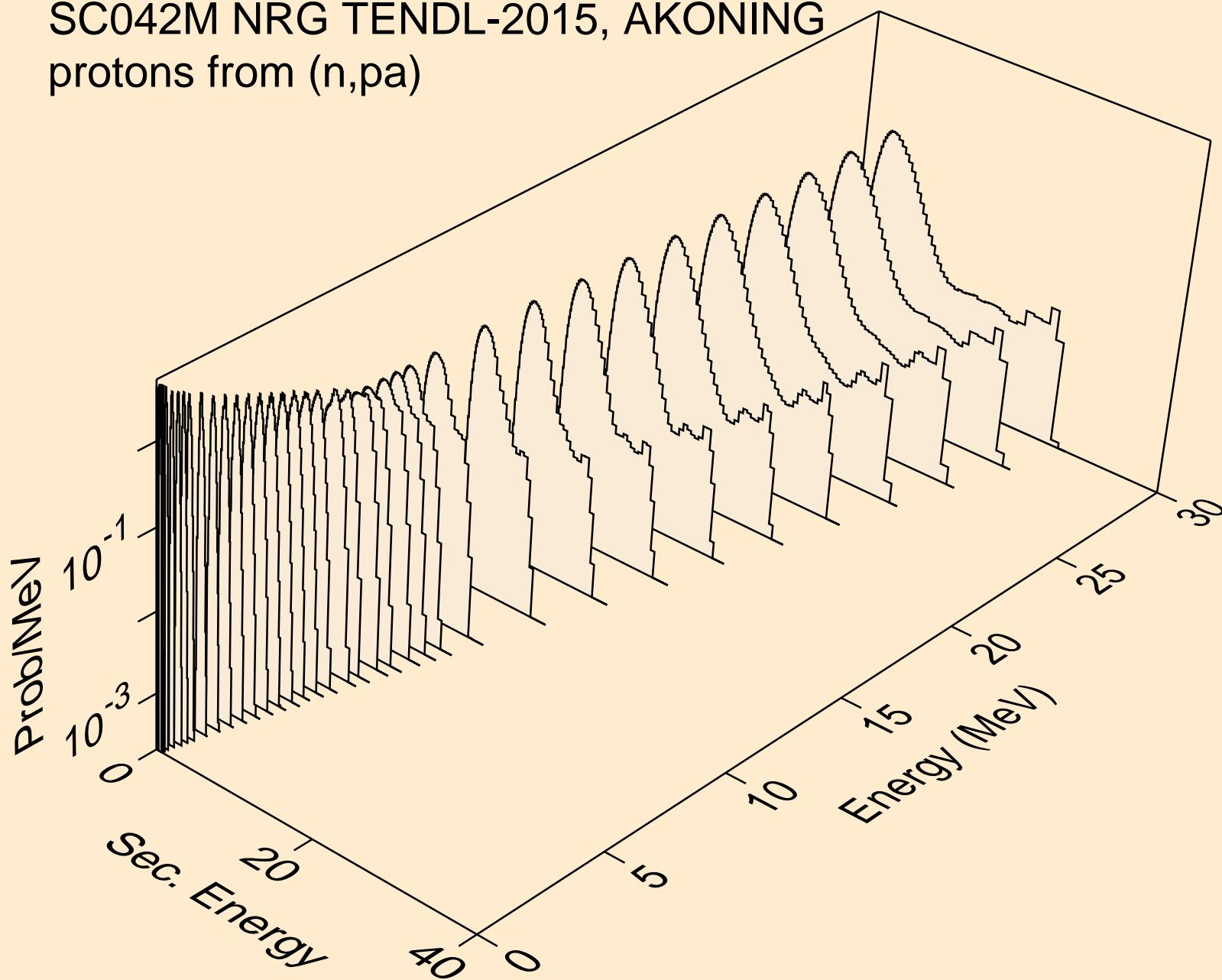
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protons from ( $n,p$ )



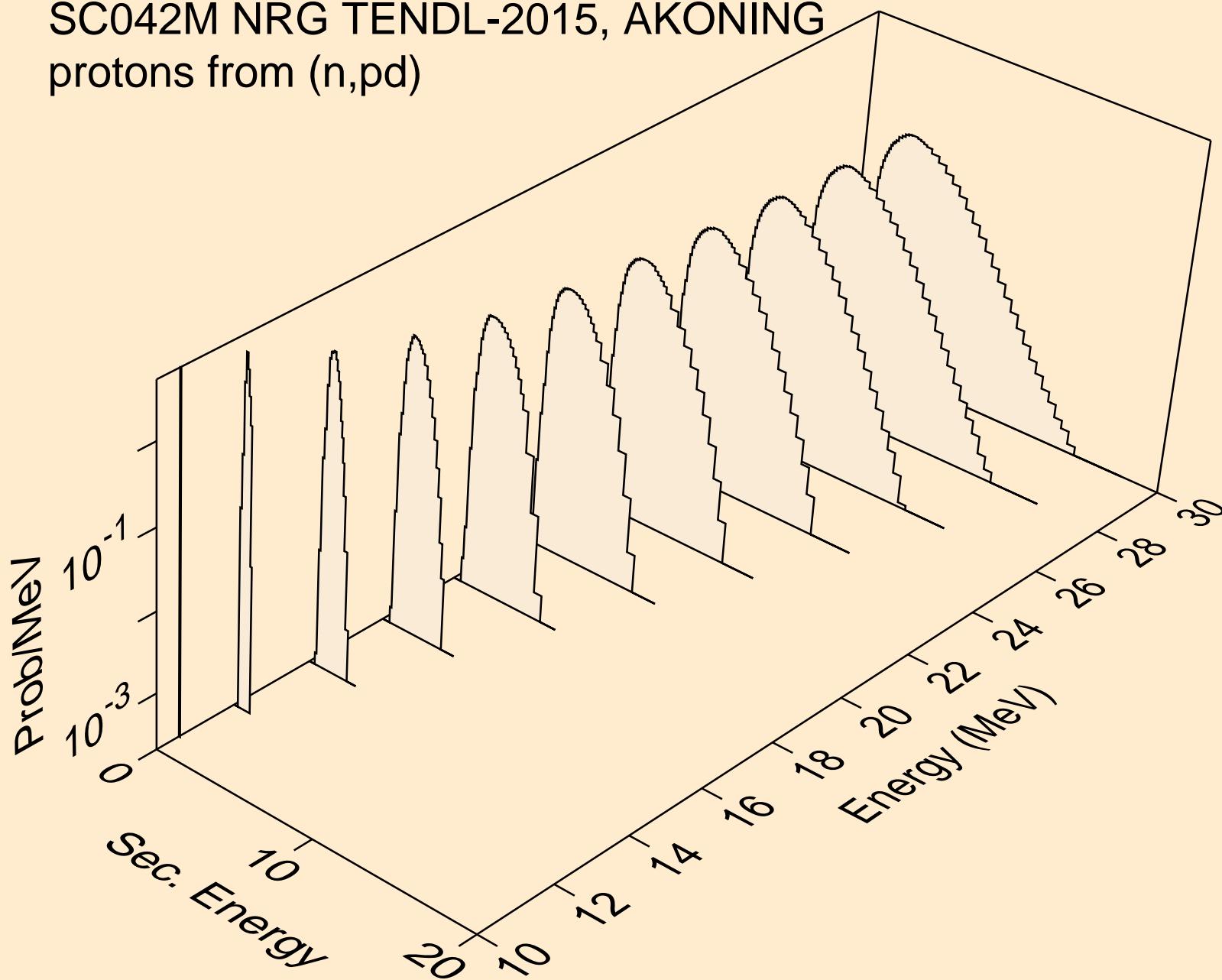
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protons from ( $n,2p$ )



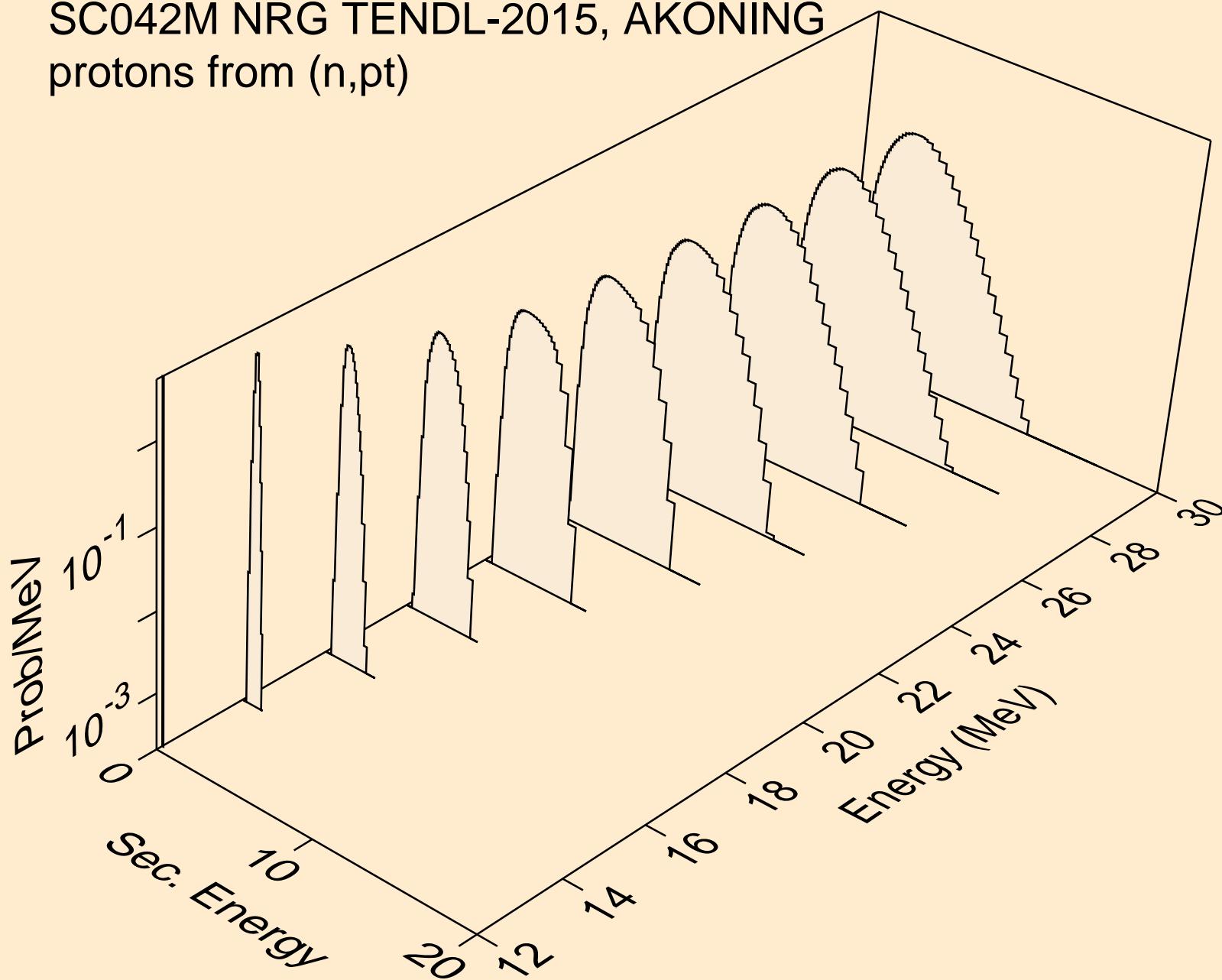
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protons from (n,pa)



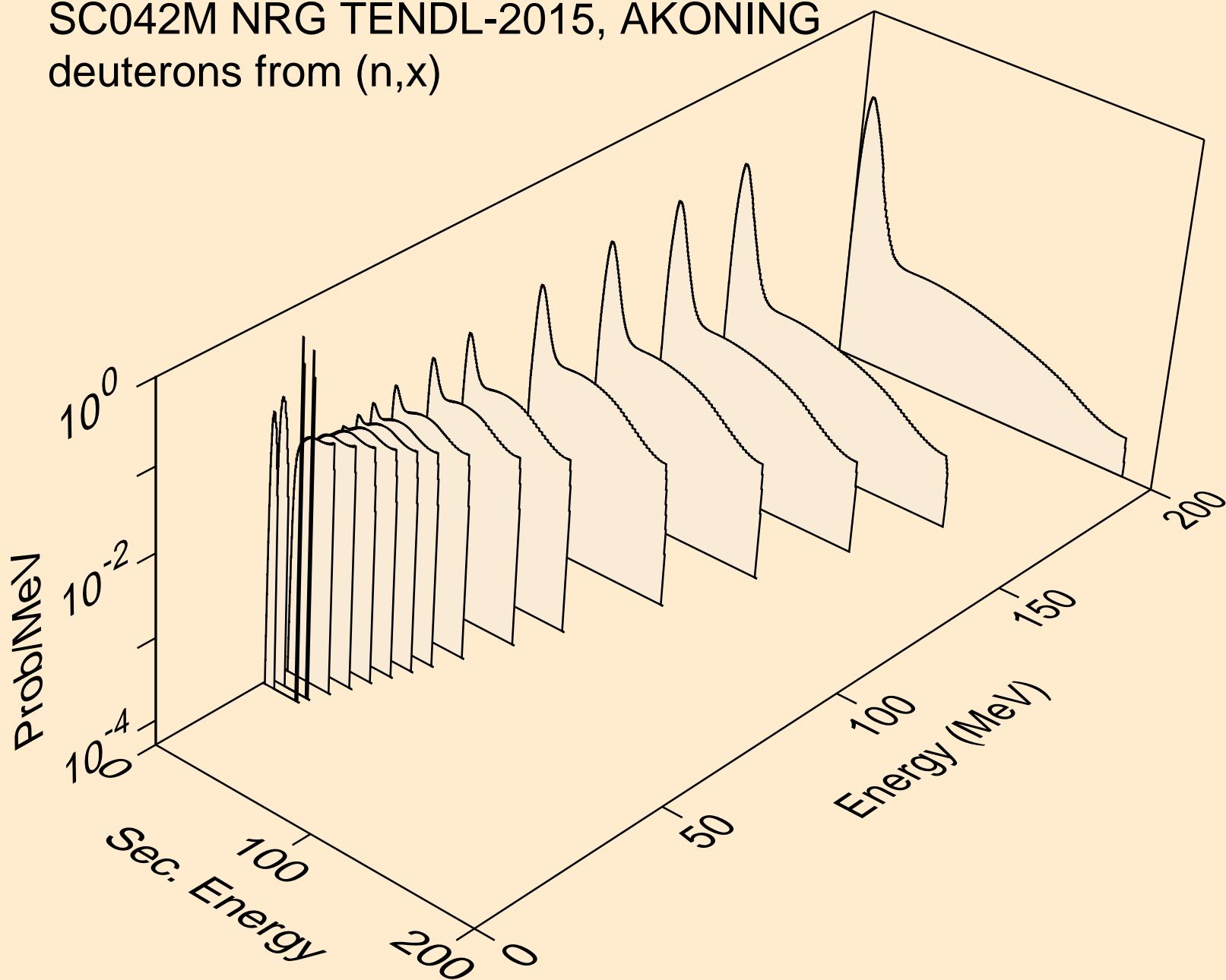
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protons from (n,pd)



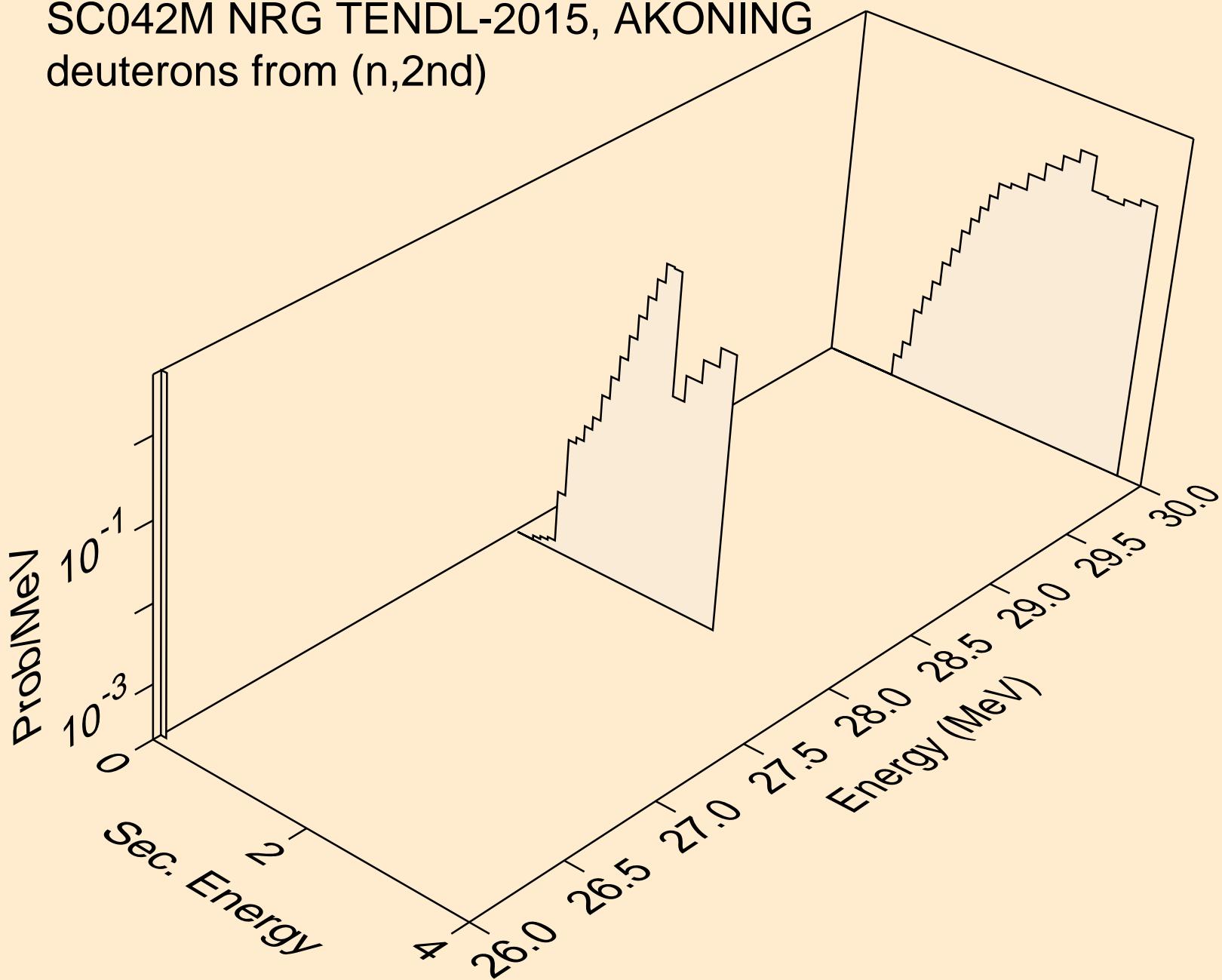
SC042M NRG TENDL-2015, AKONING  
protons from (n,pt)



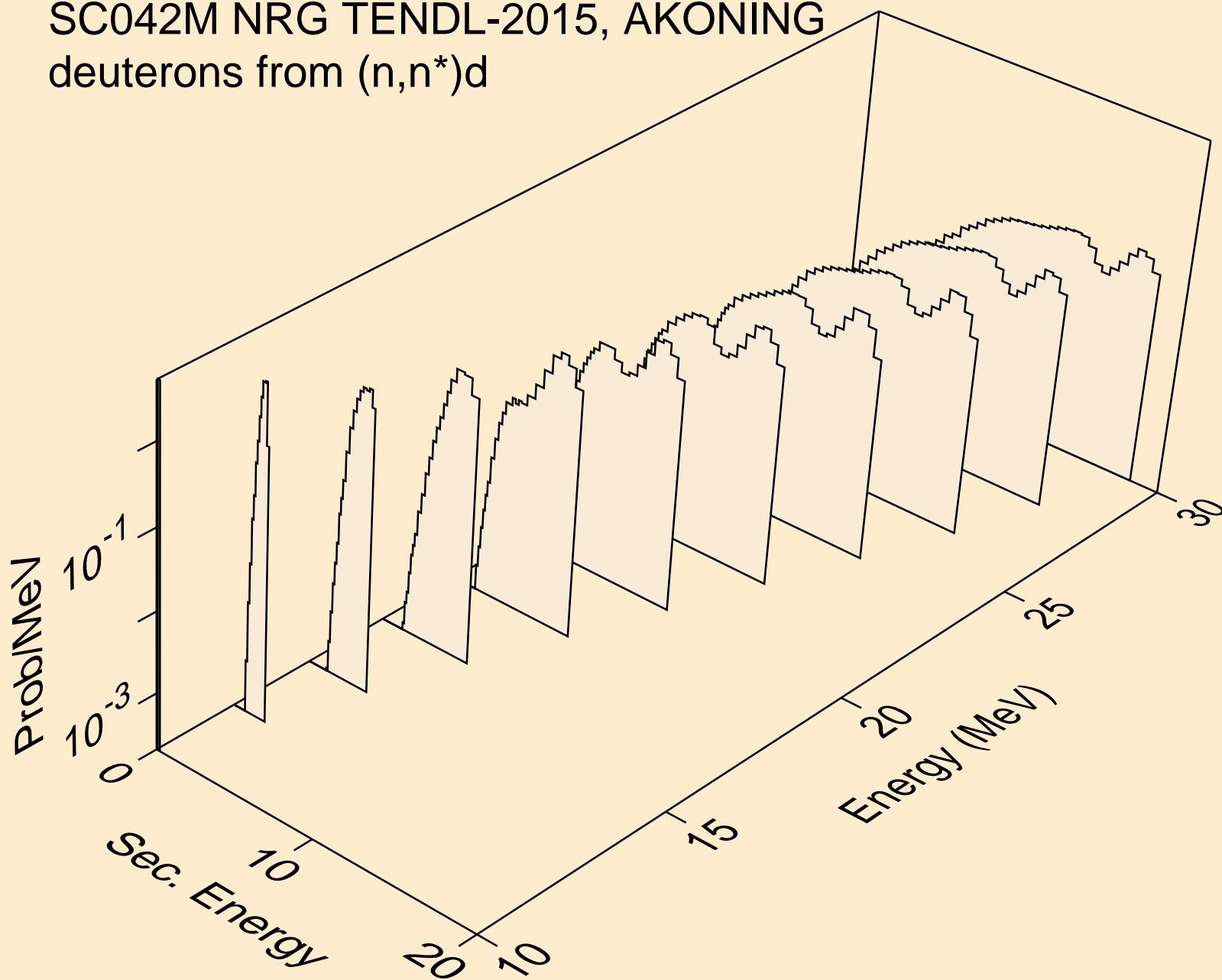
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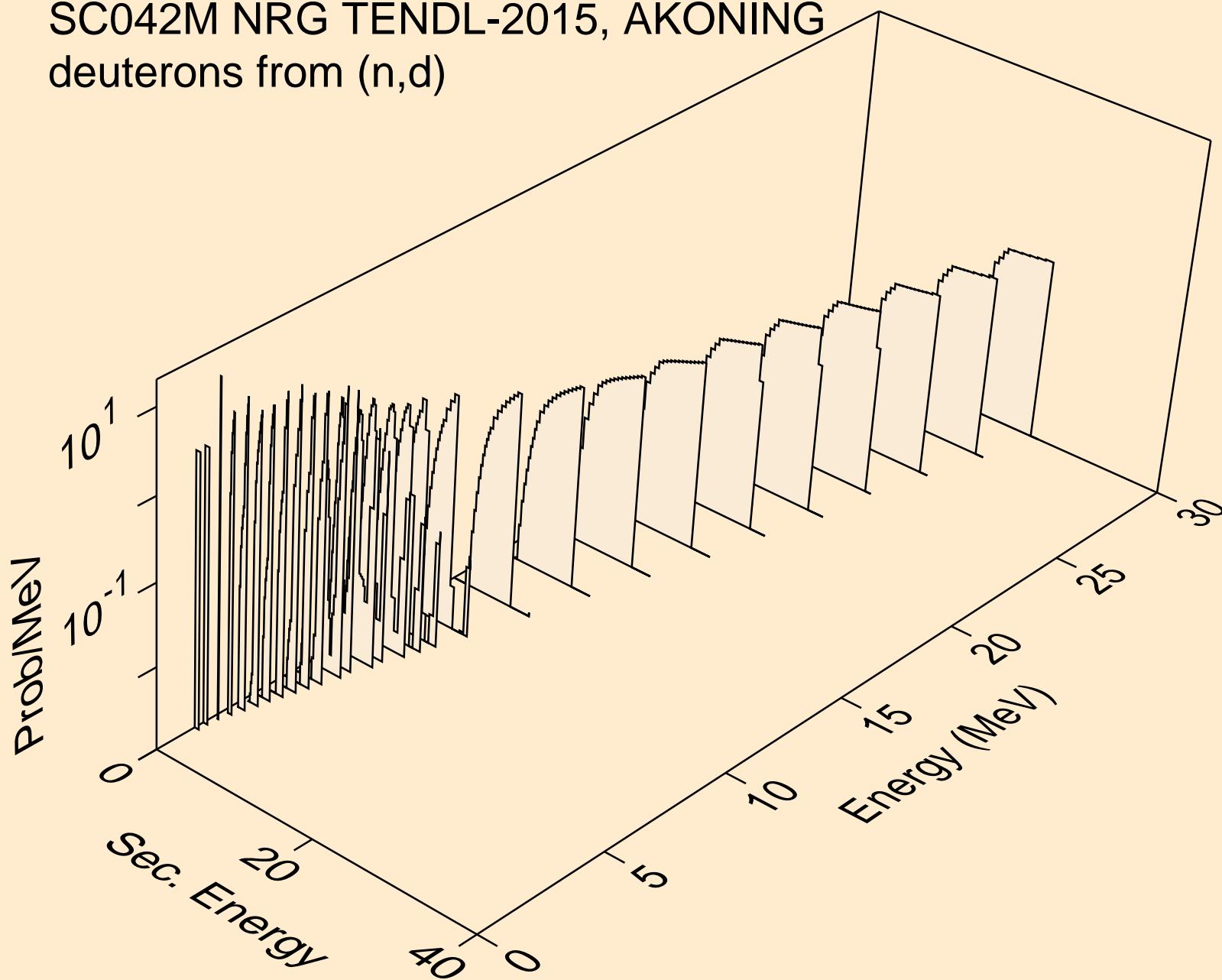
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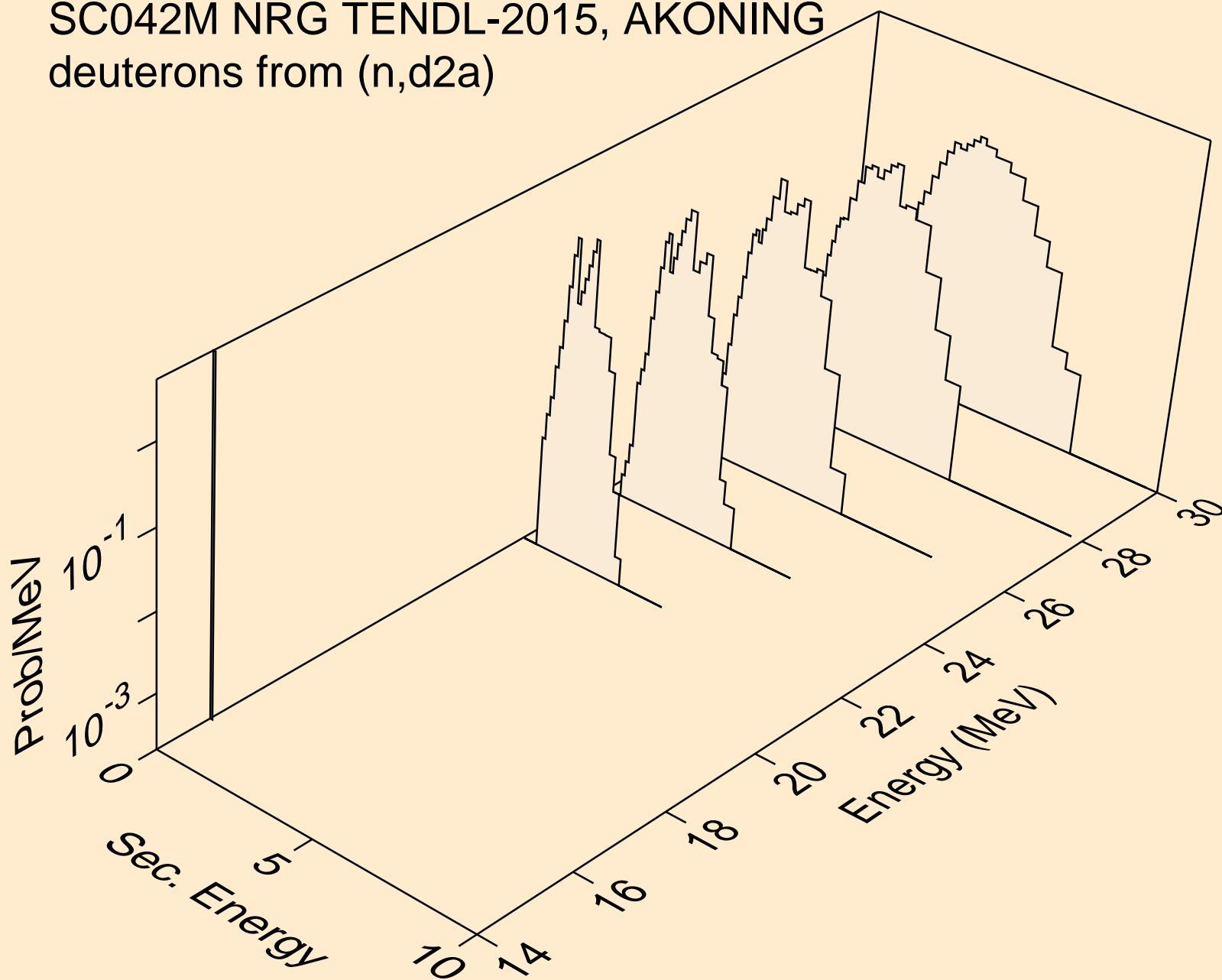
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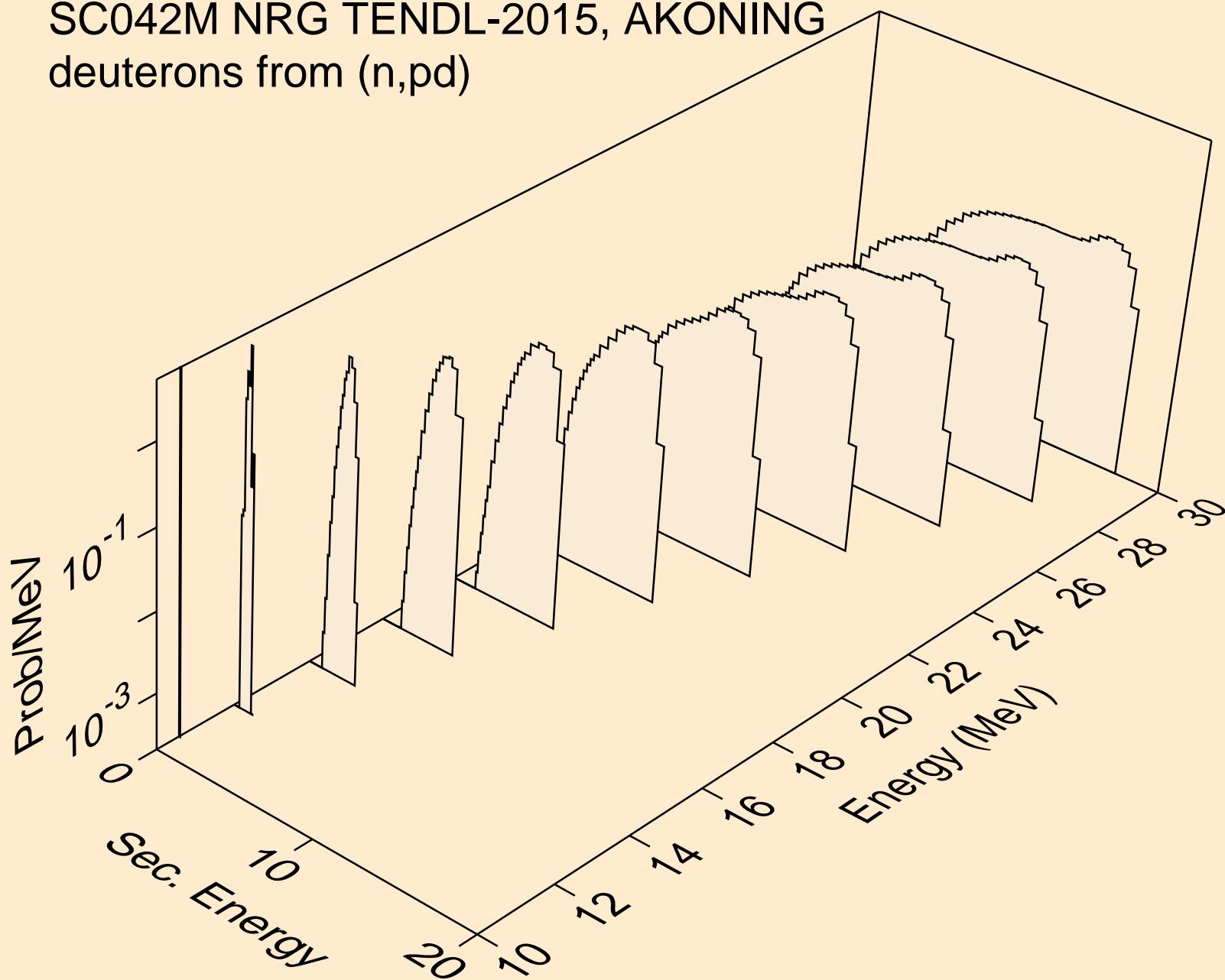
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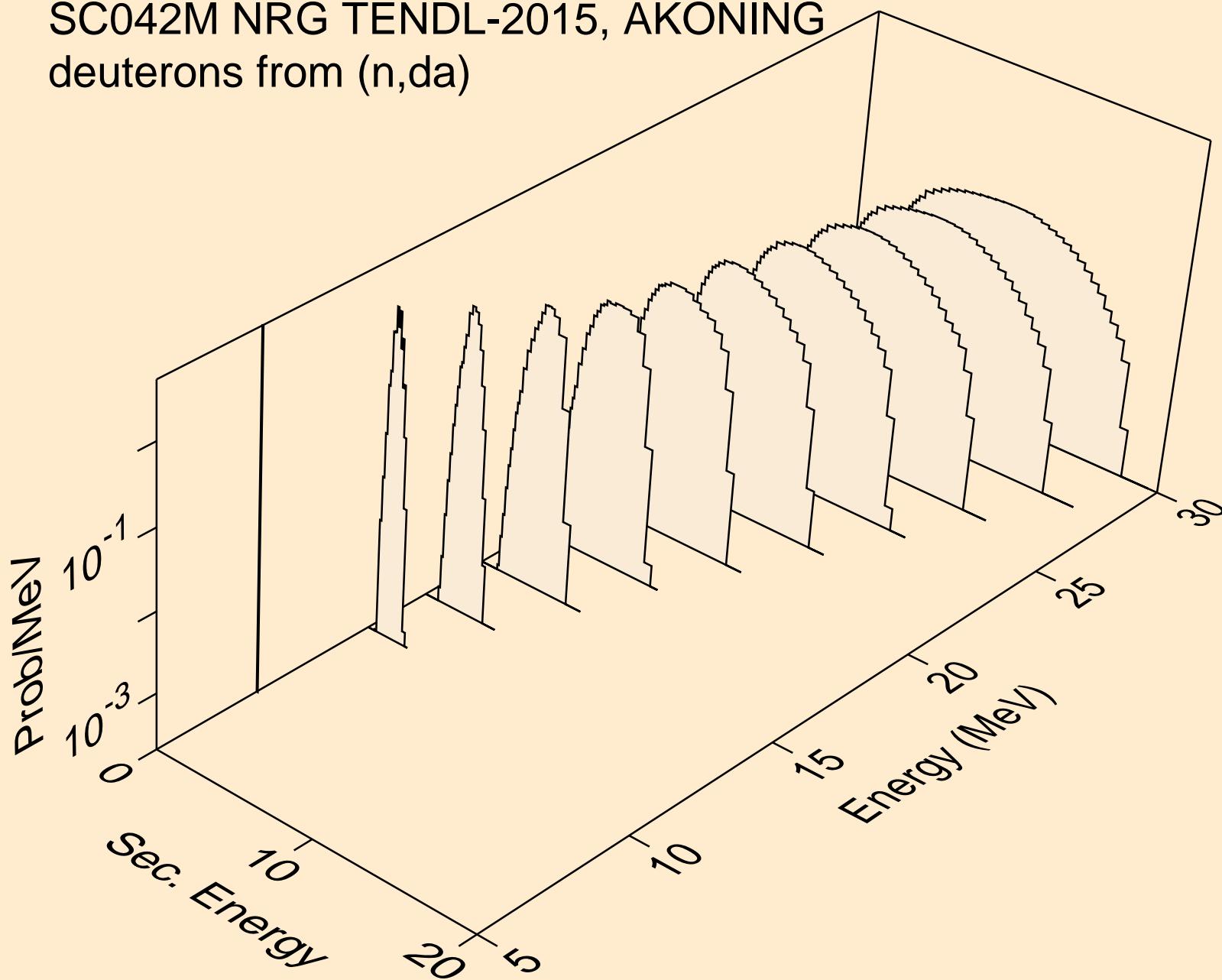
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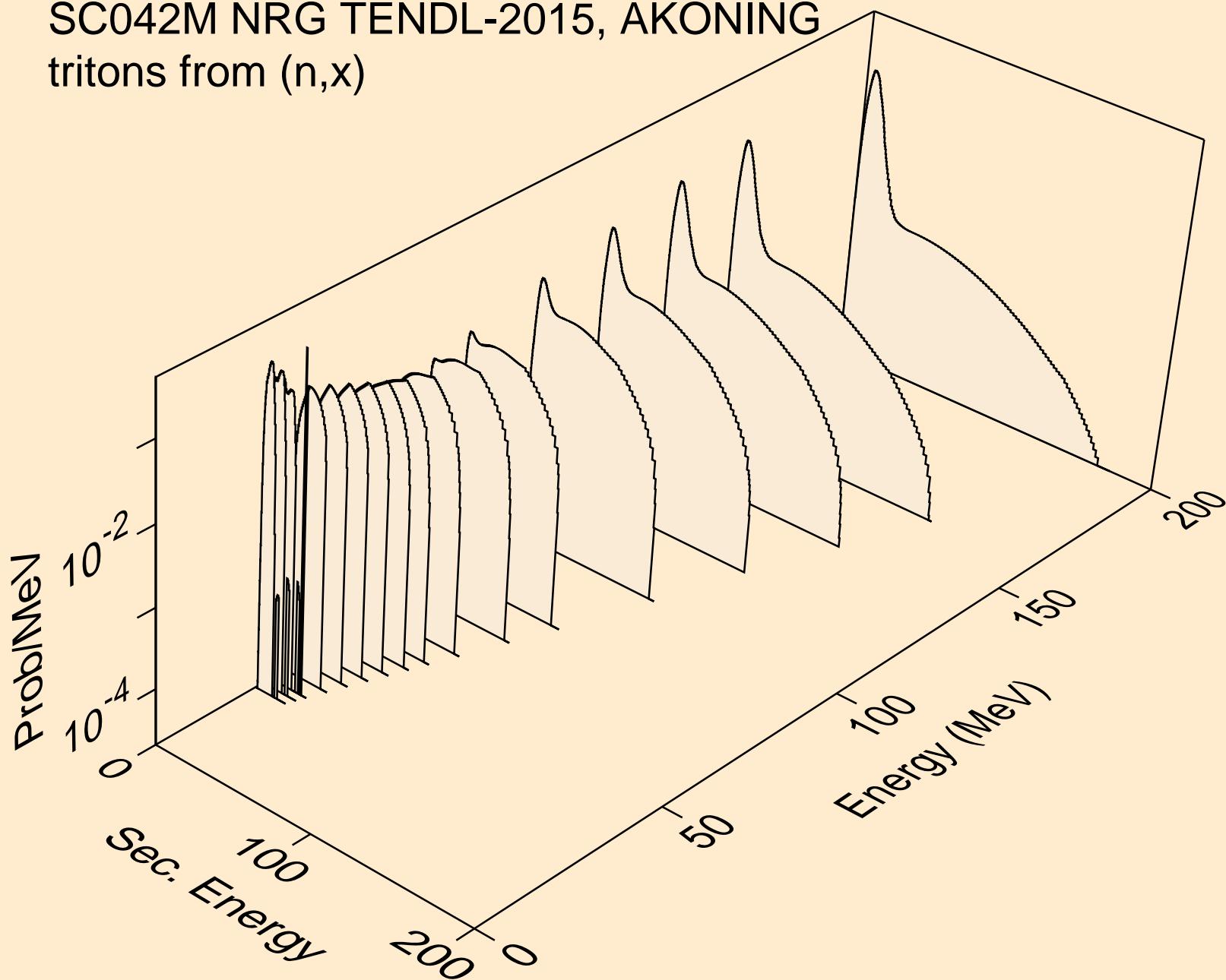
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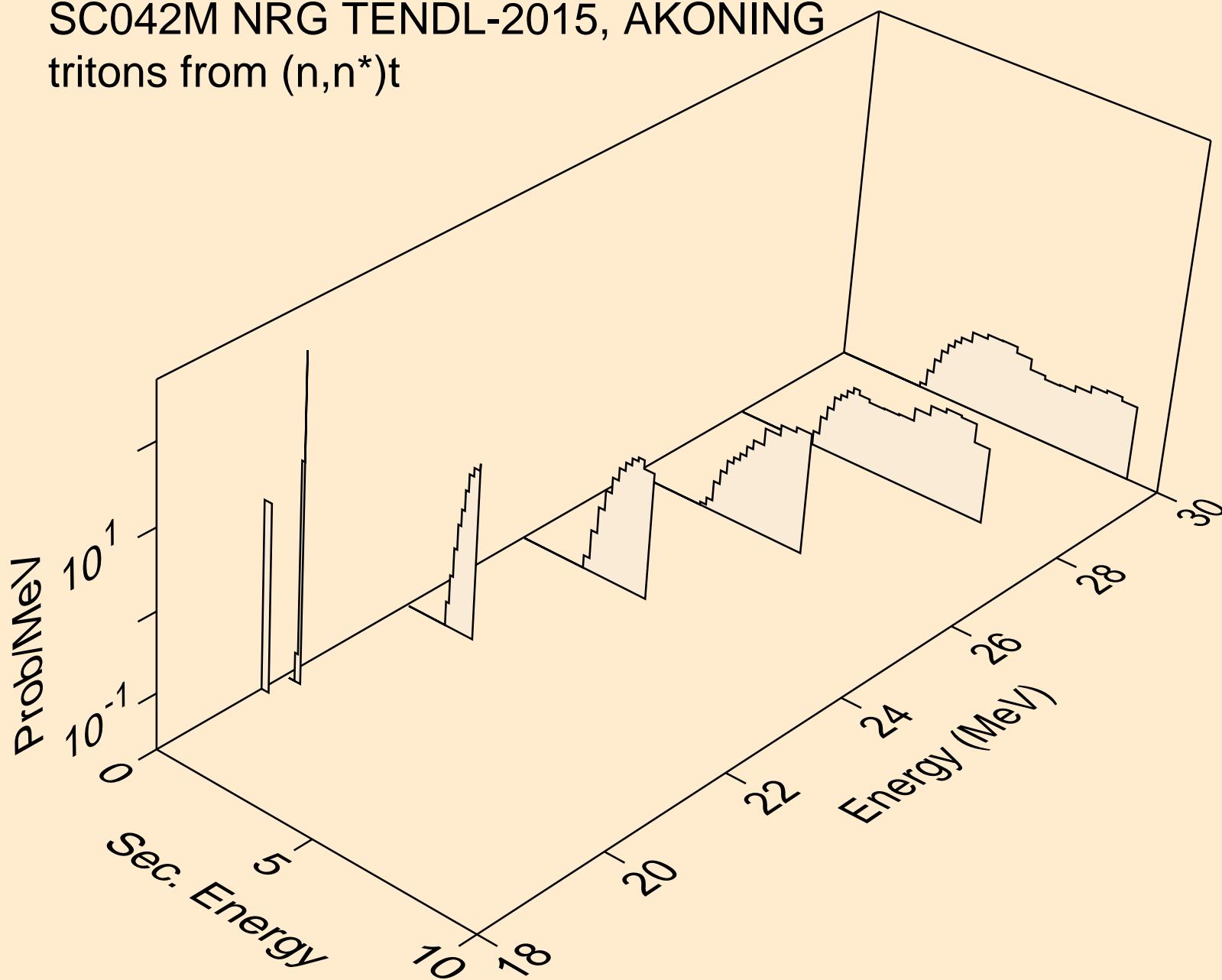
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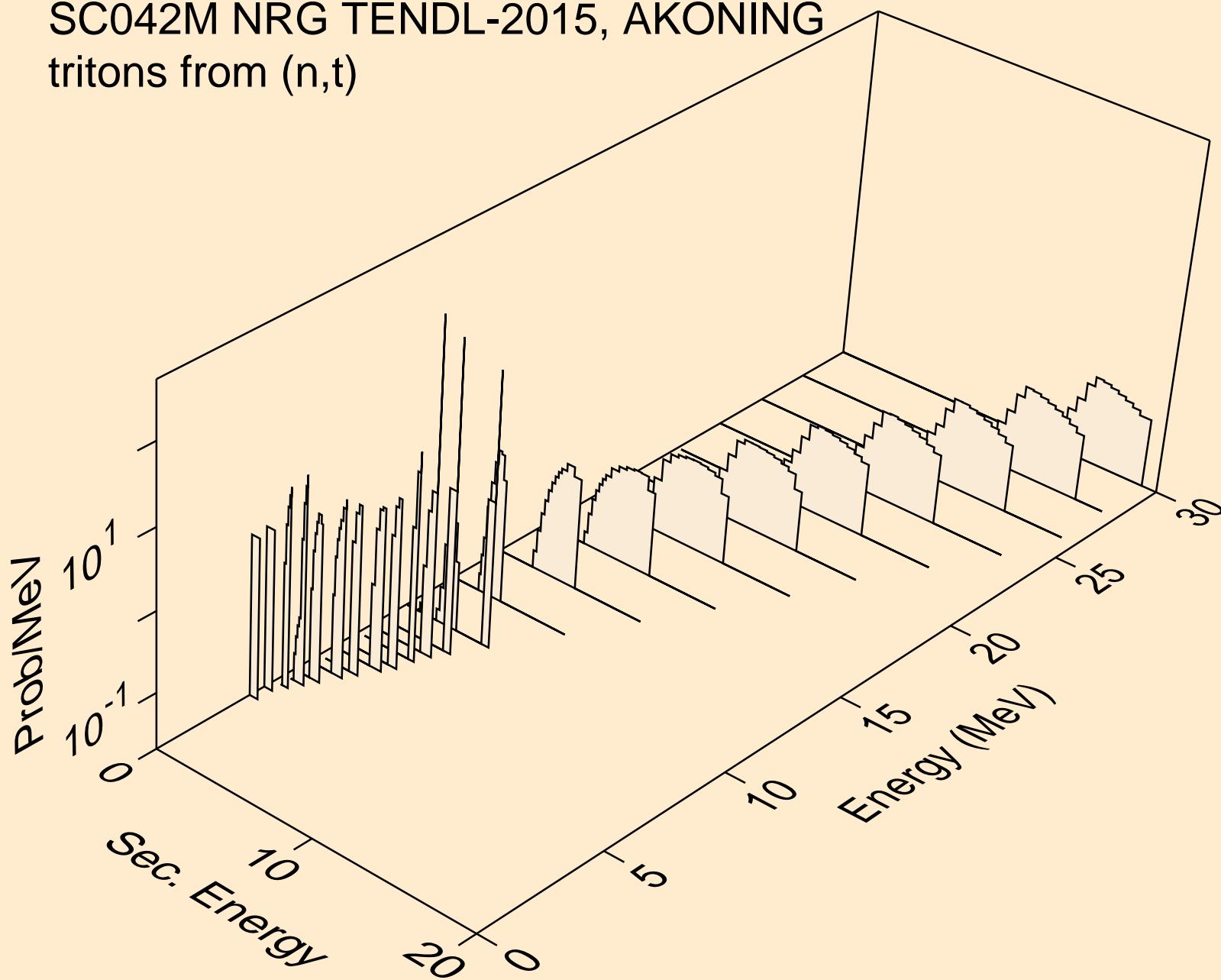
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tritons from ( $n,x$ )



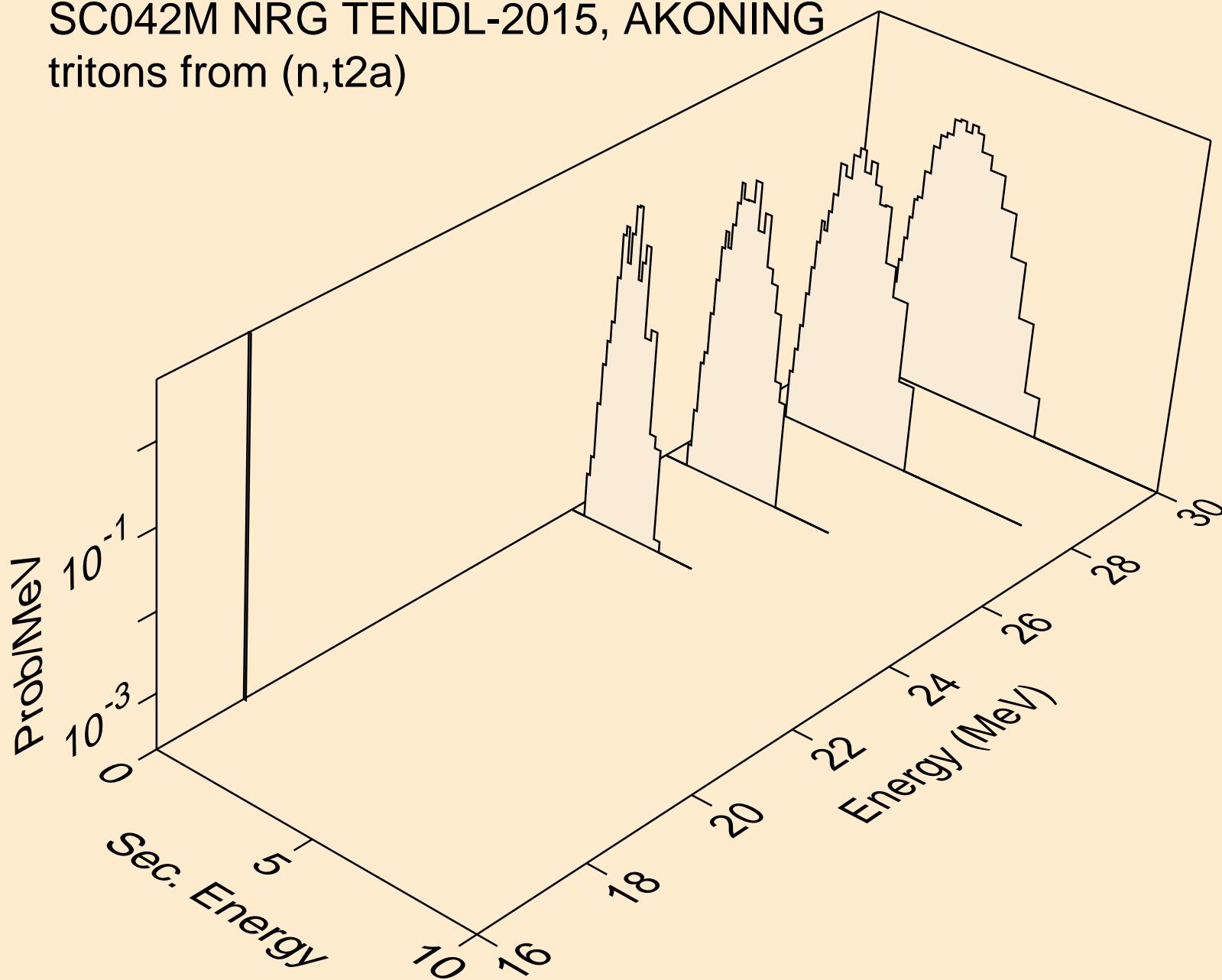
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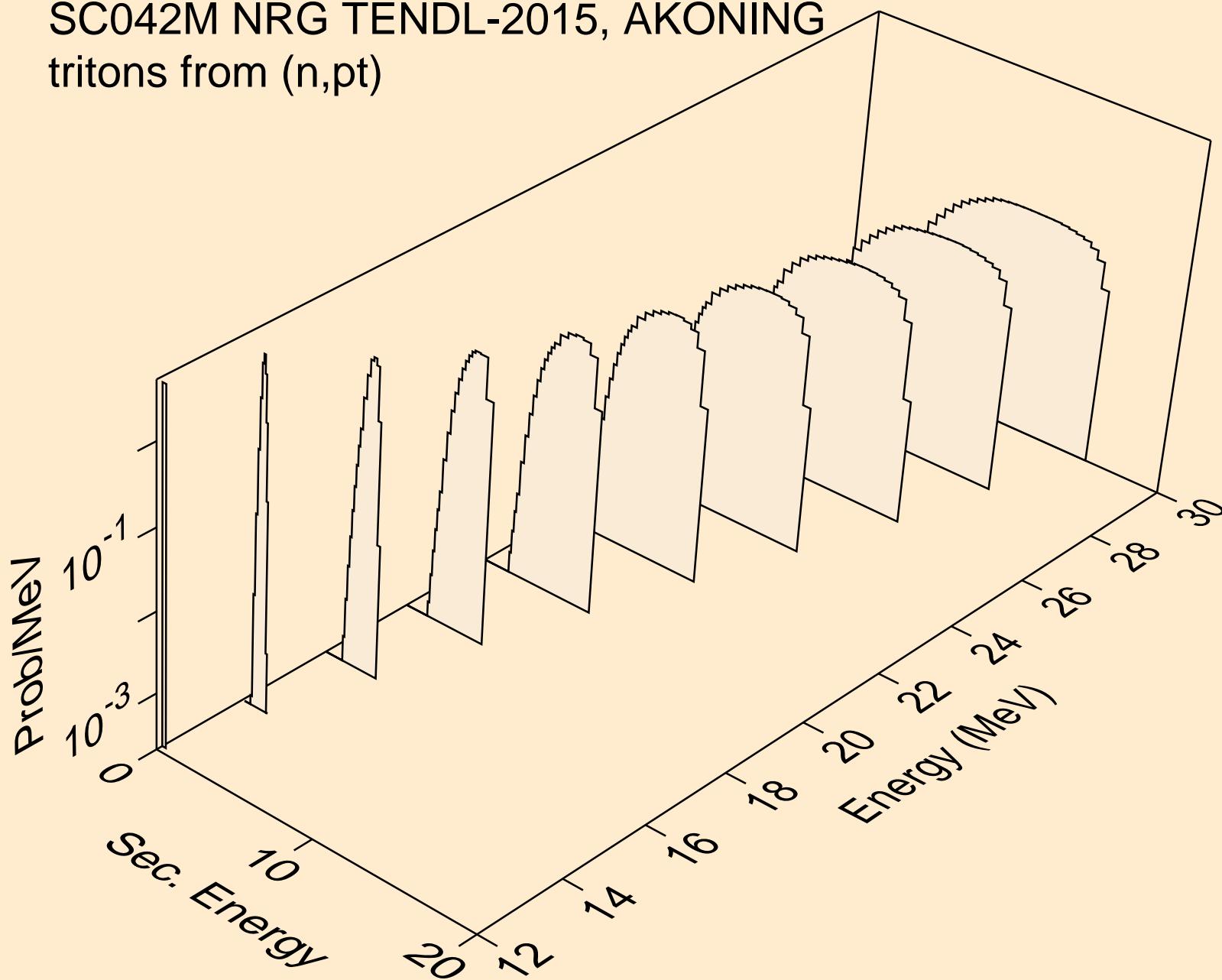
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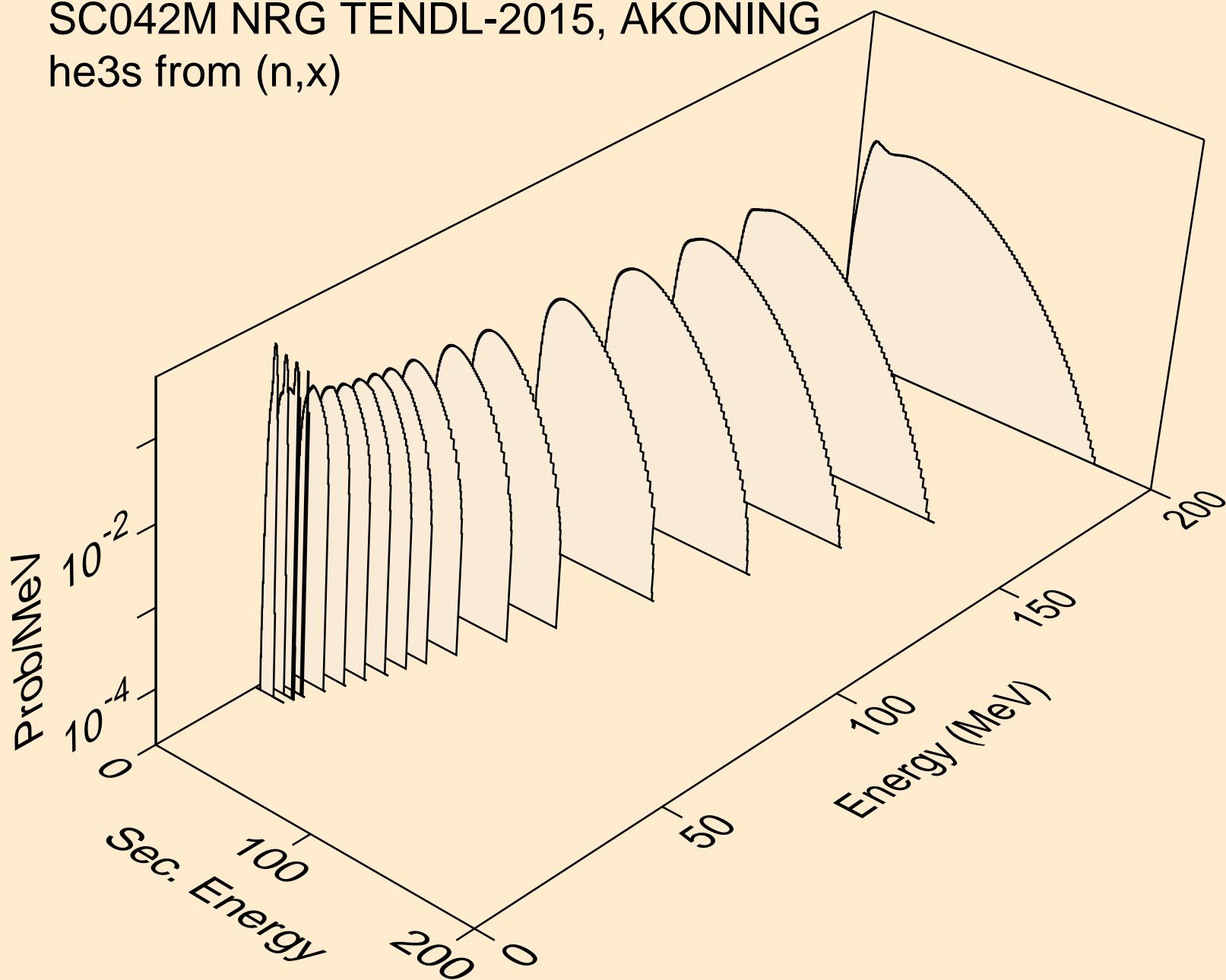
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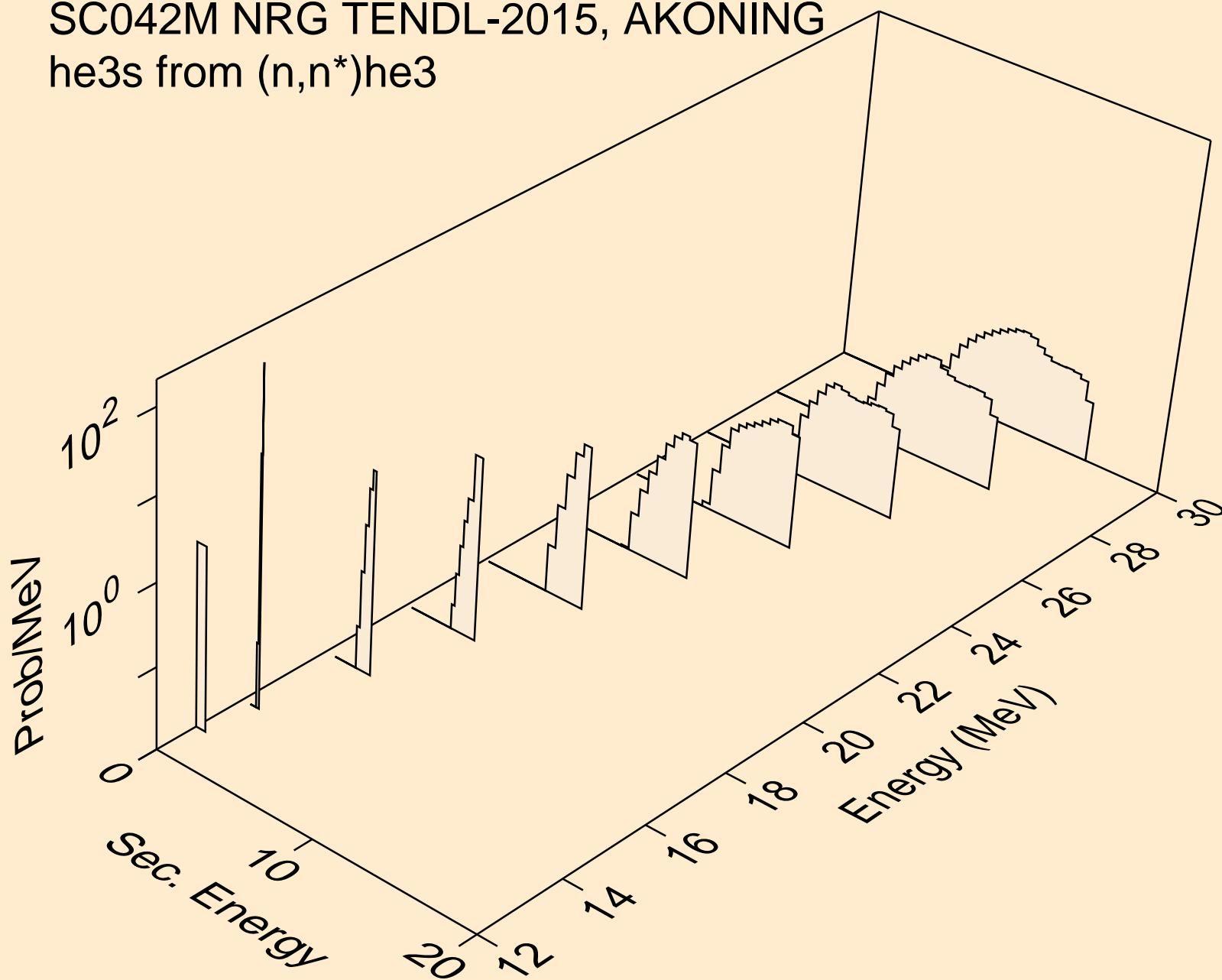
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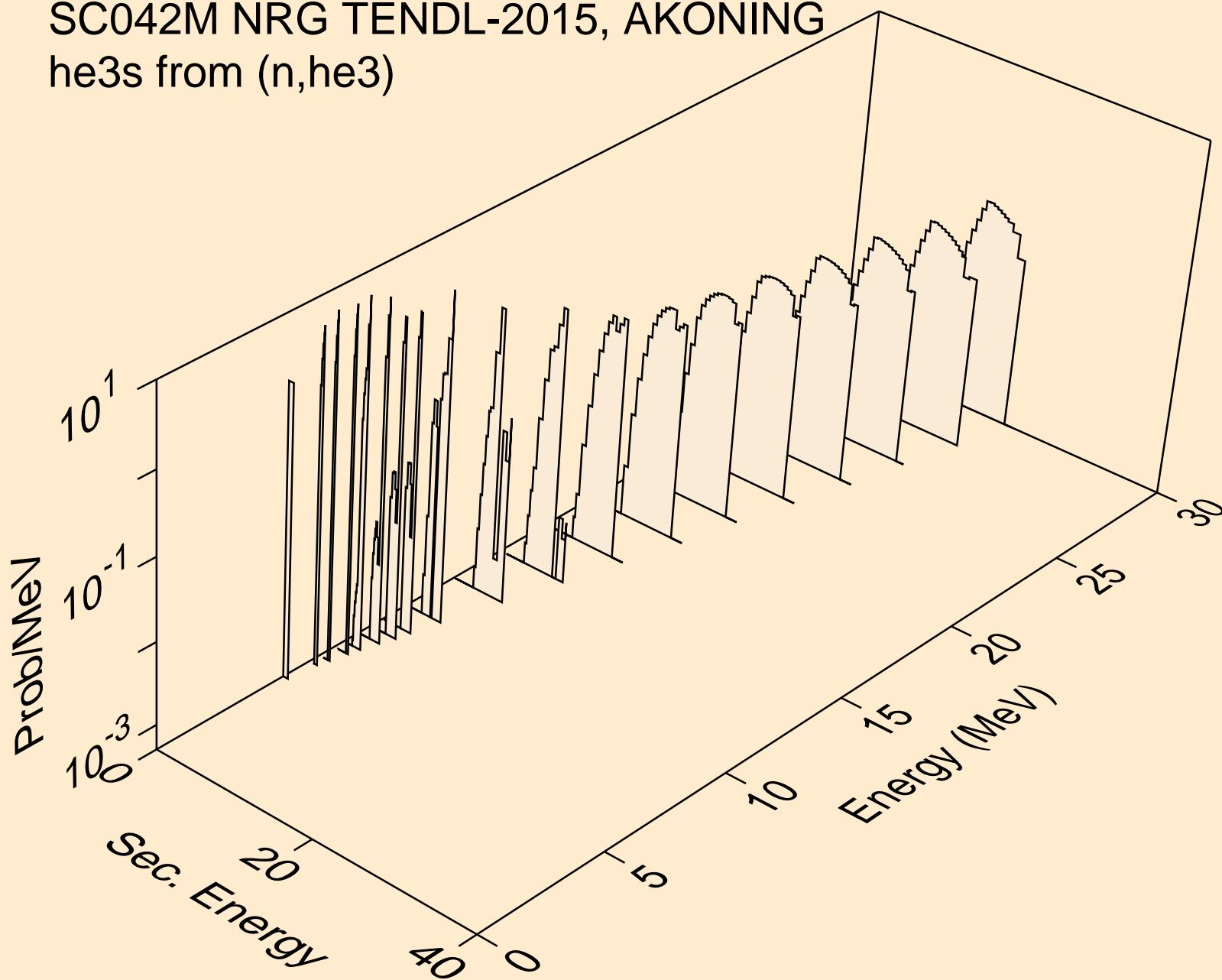
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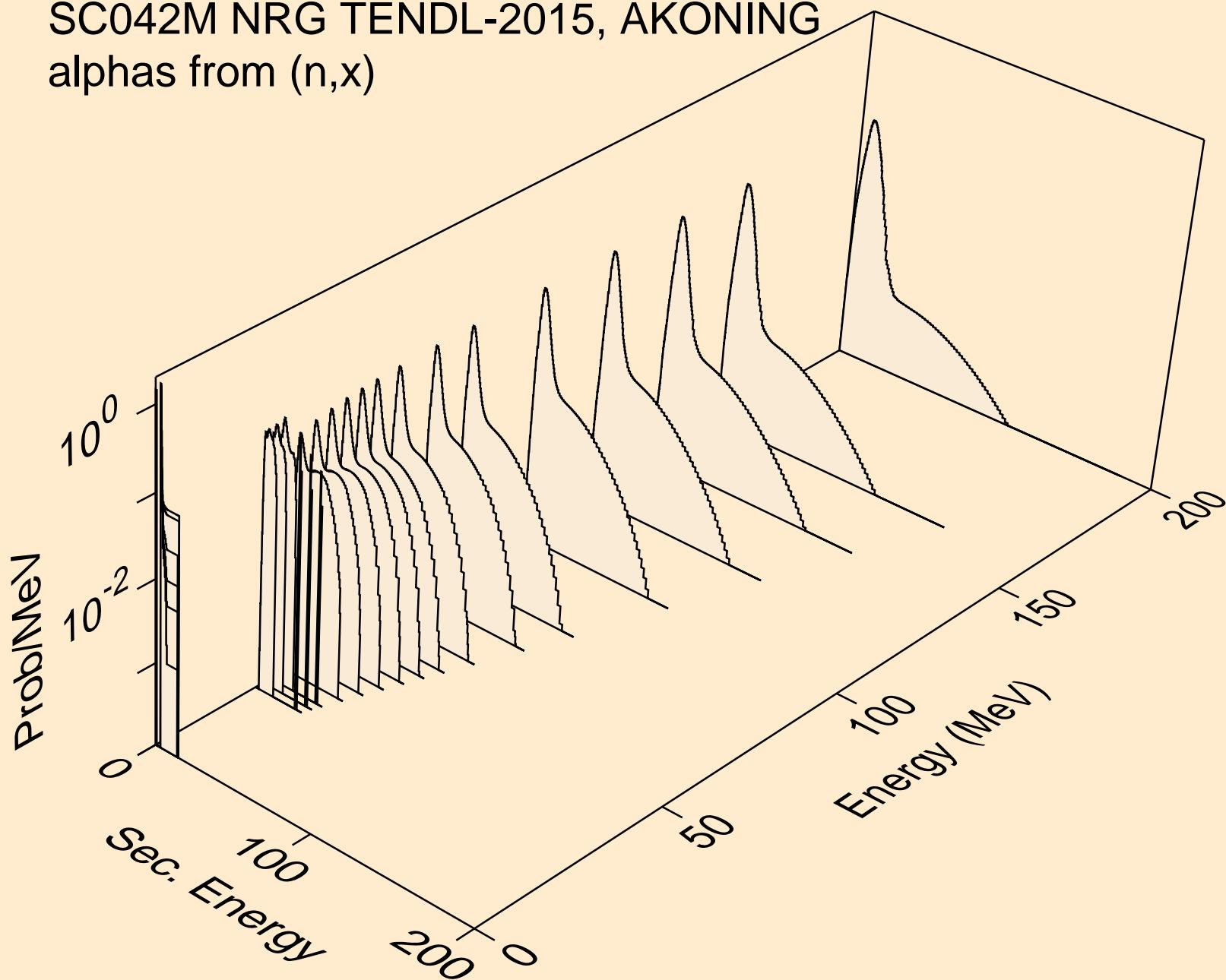
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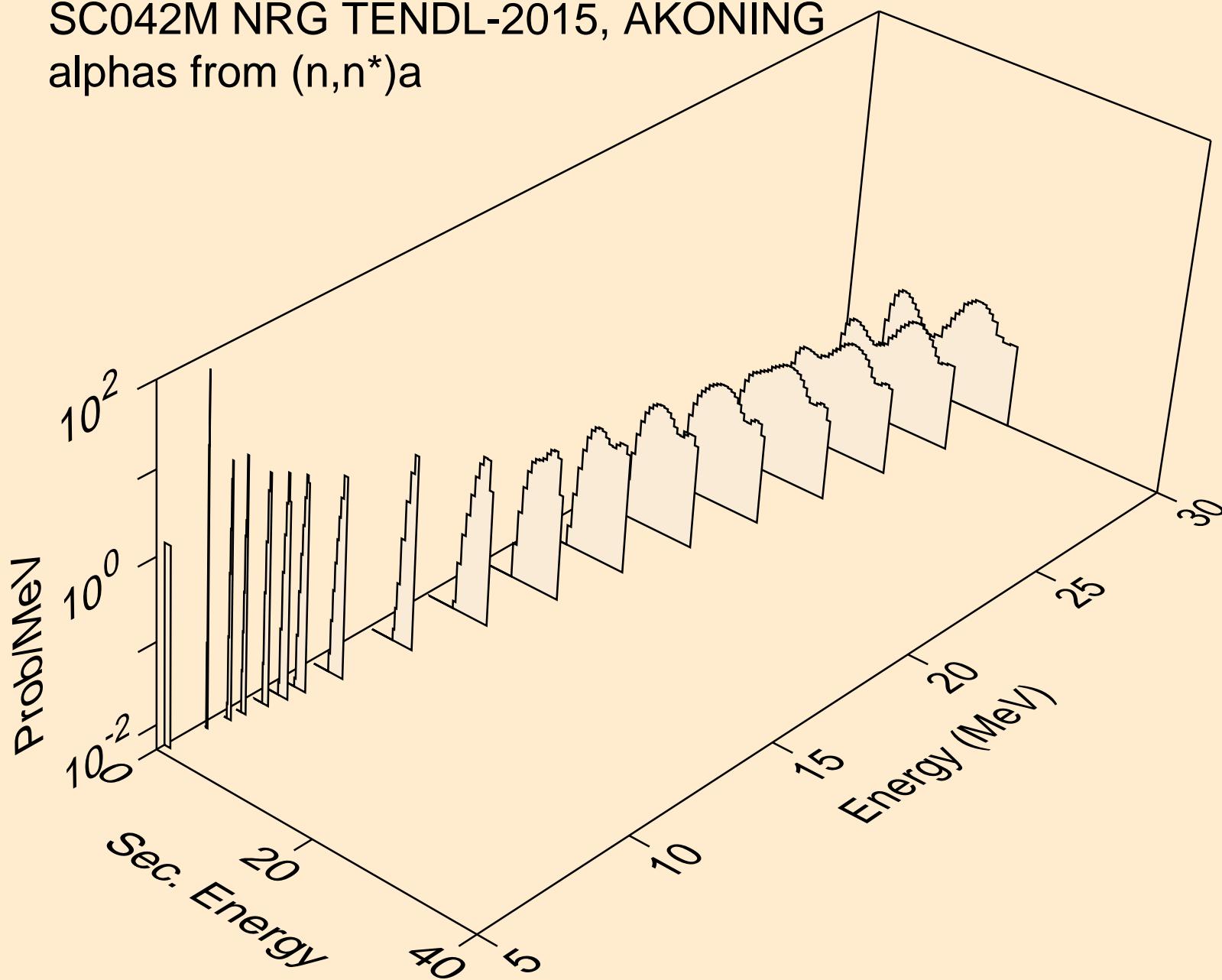
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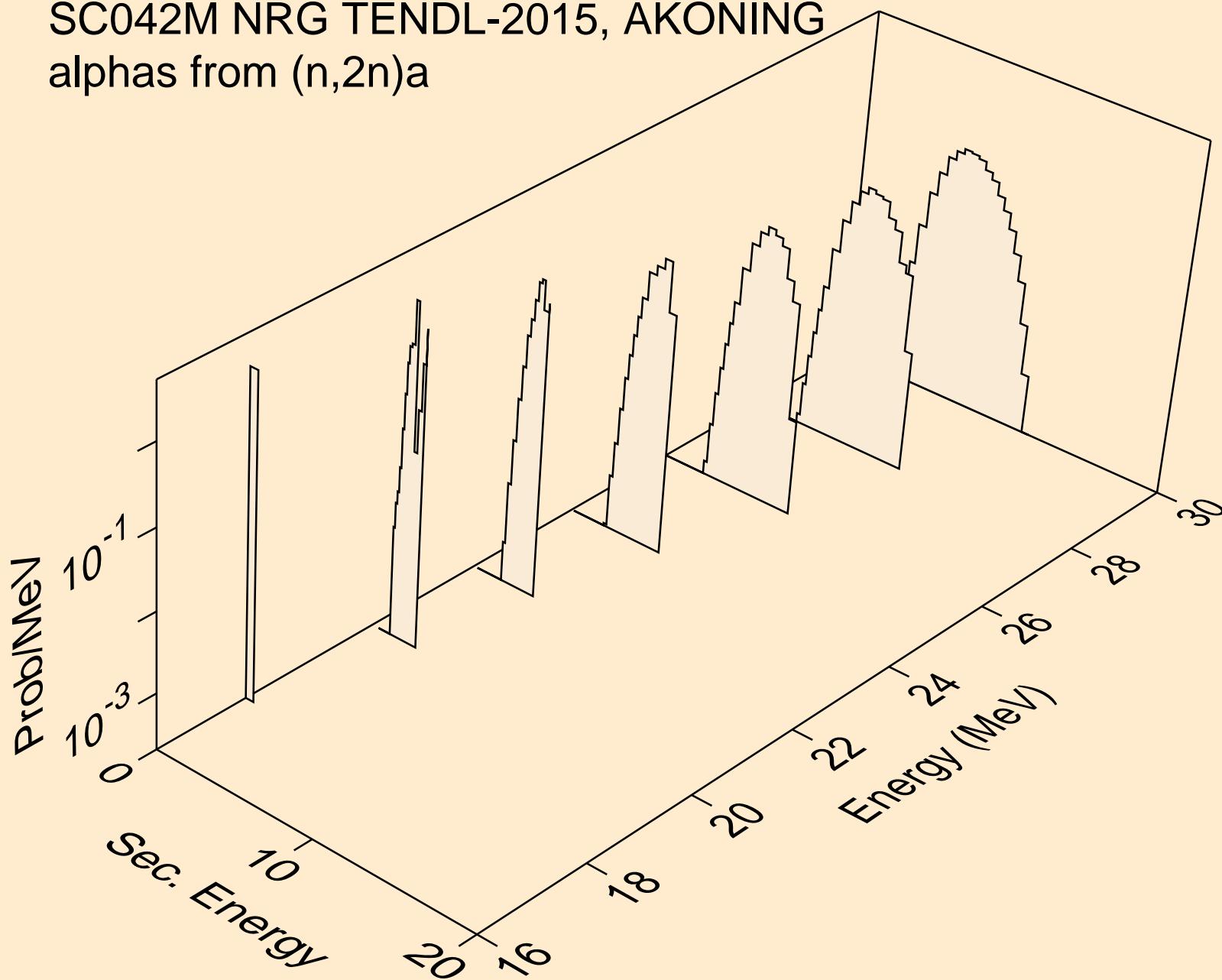
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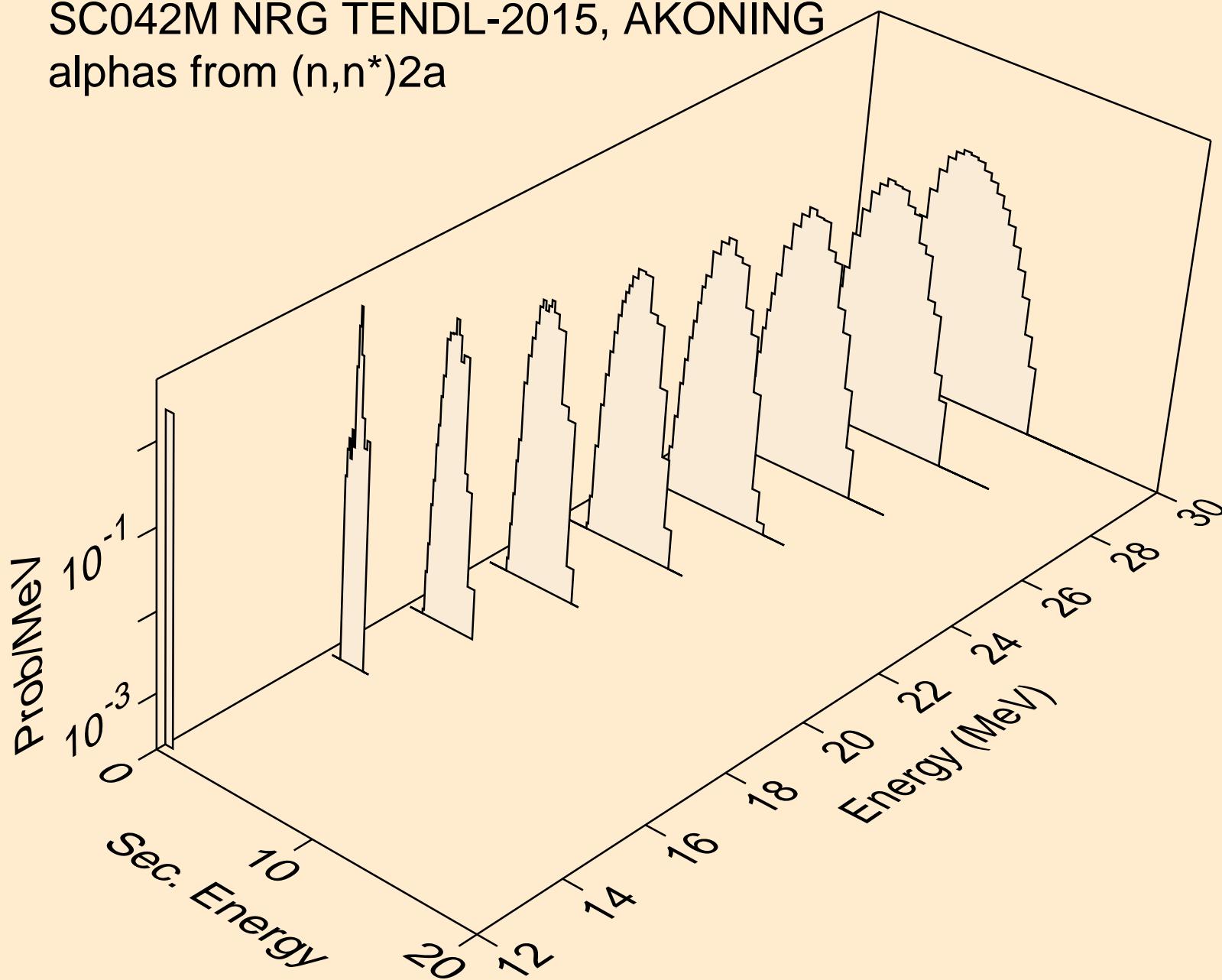
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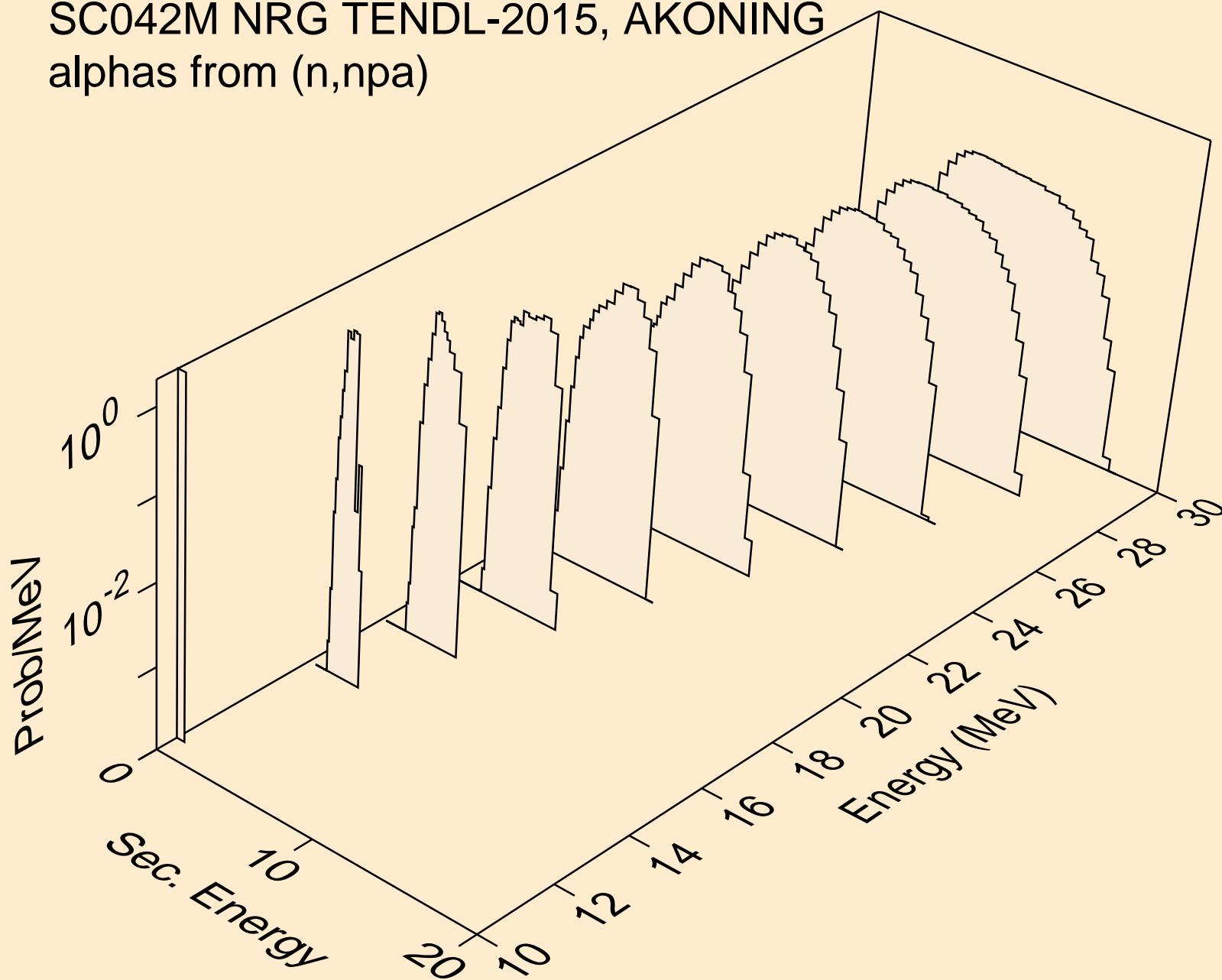
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alphas from ( $n,2n$ )a



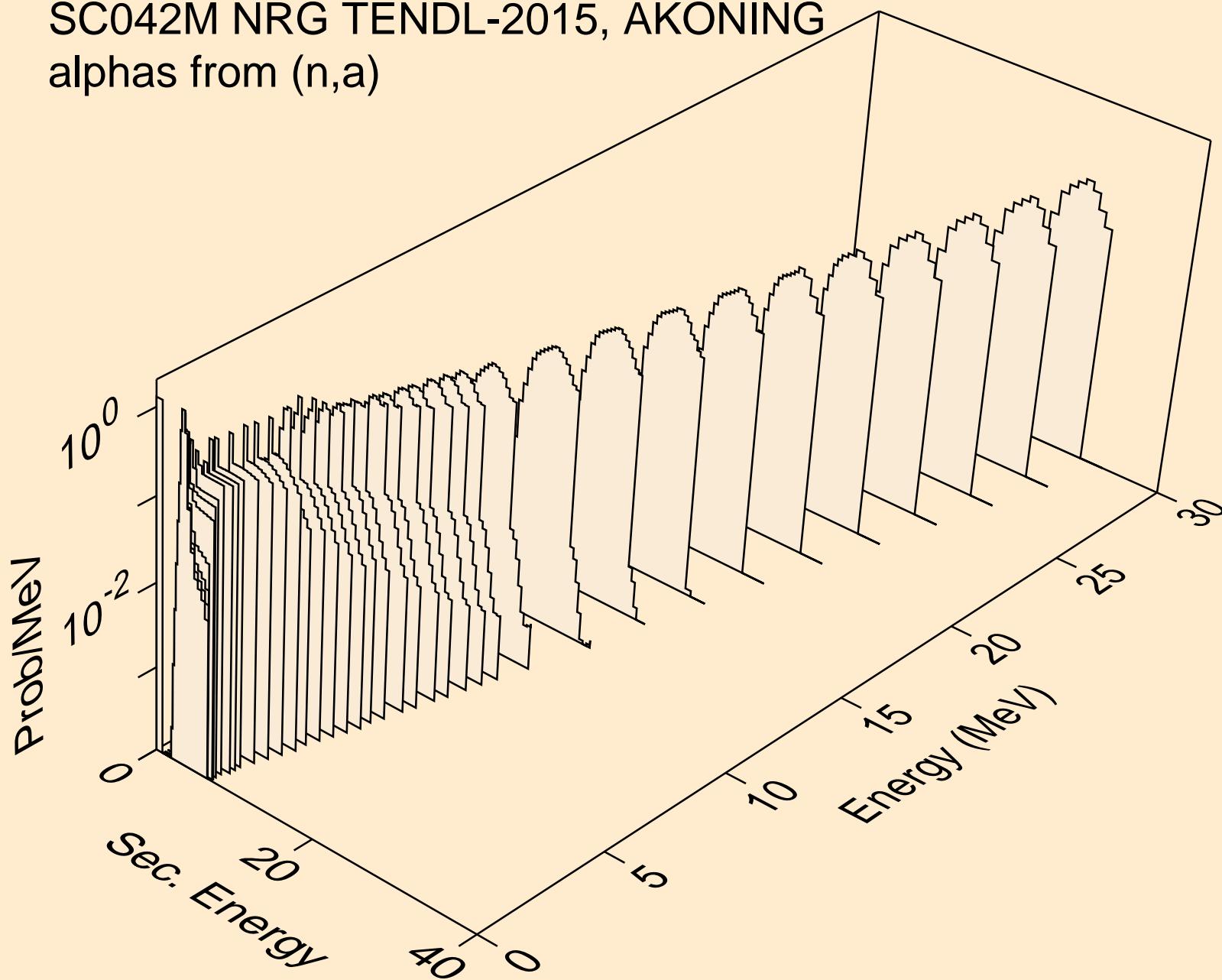
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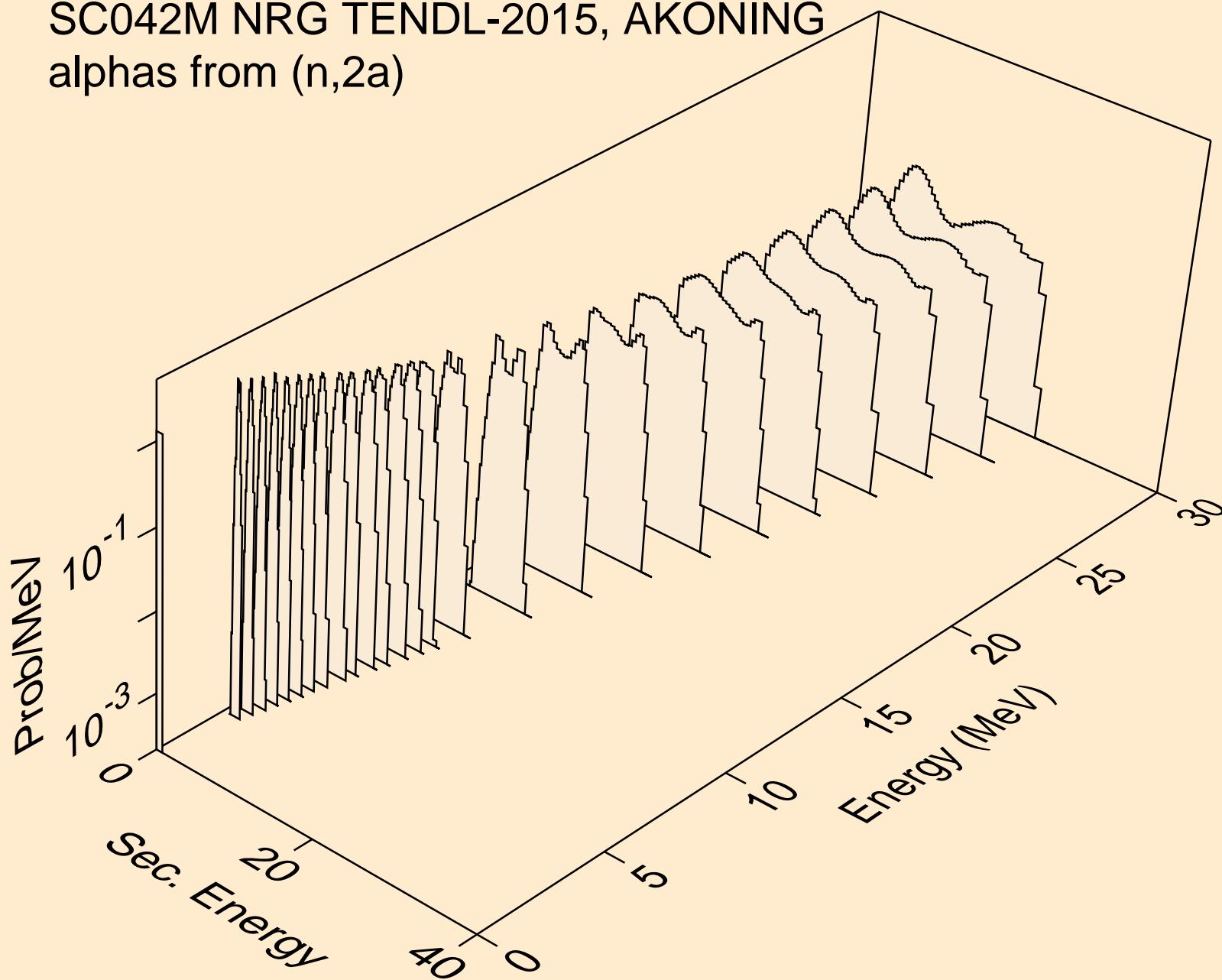
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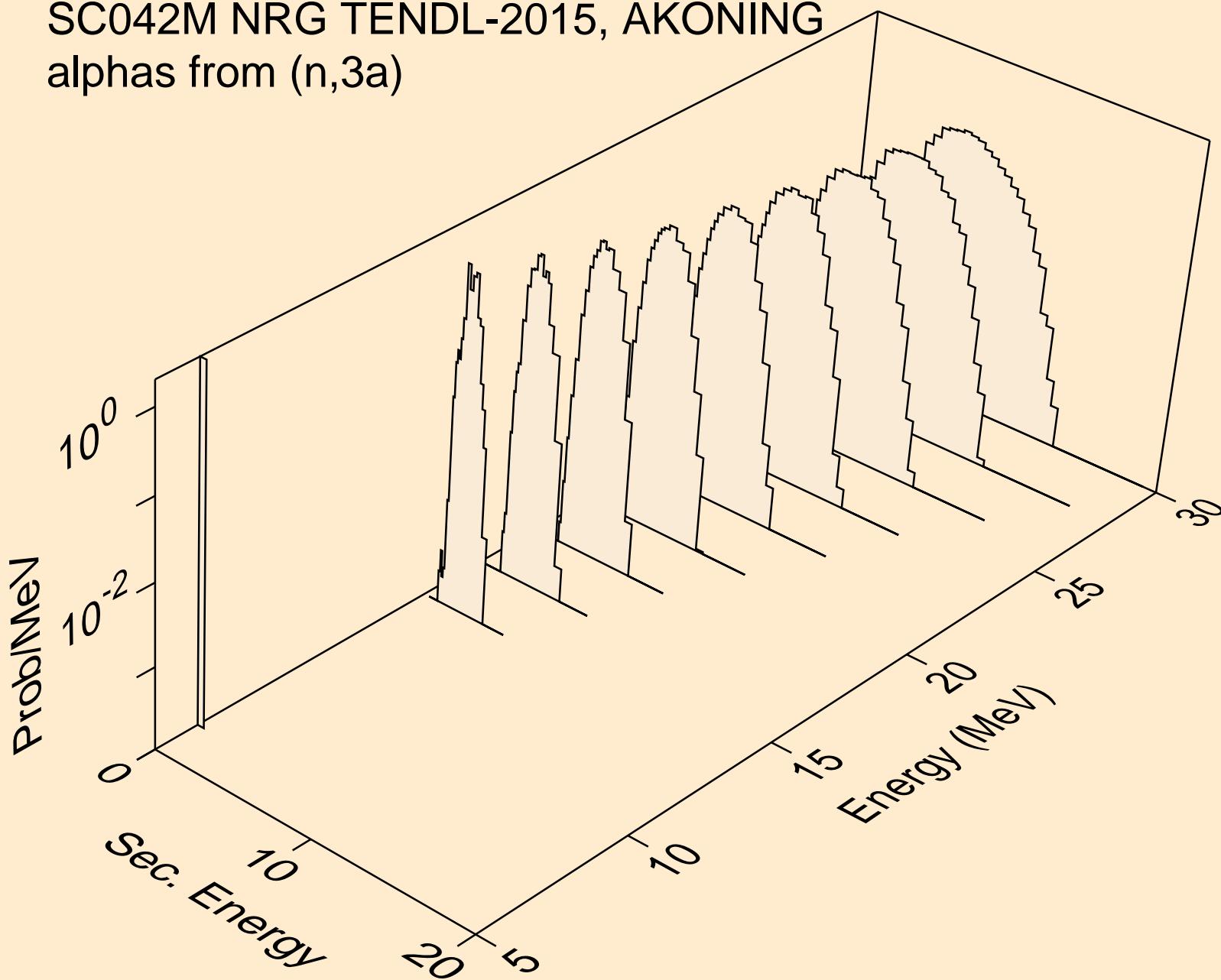
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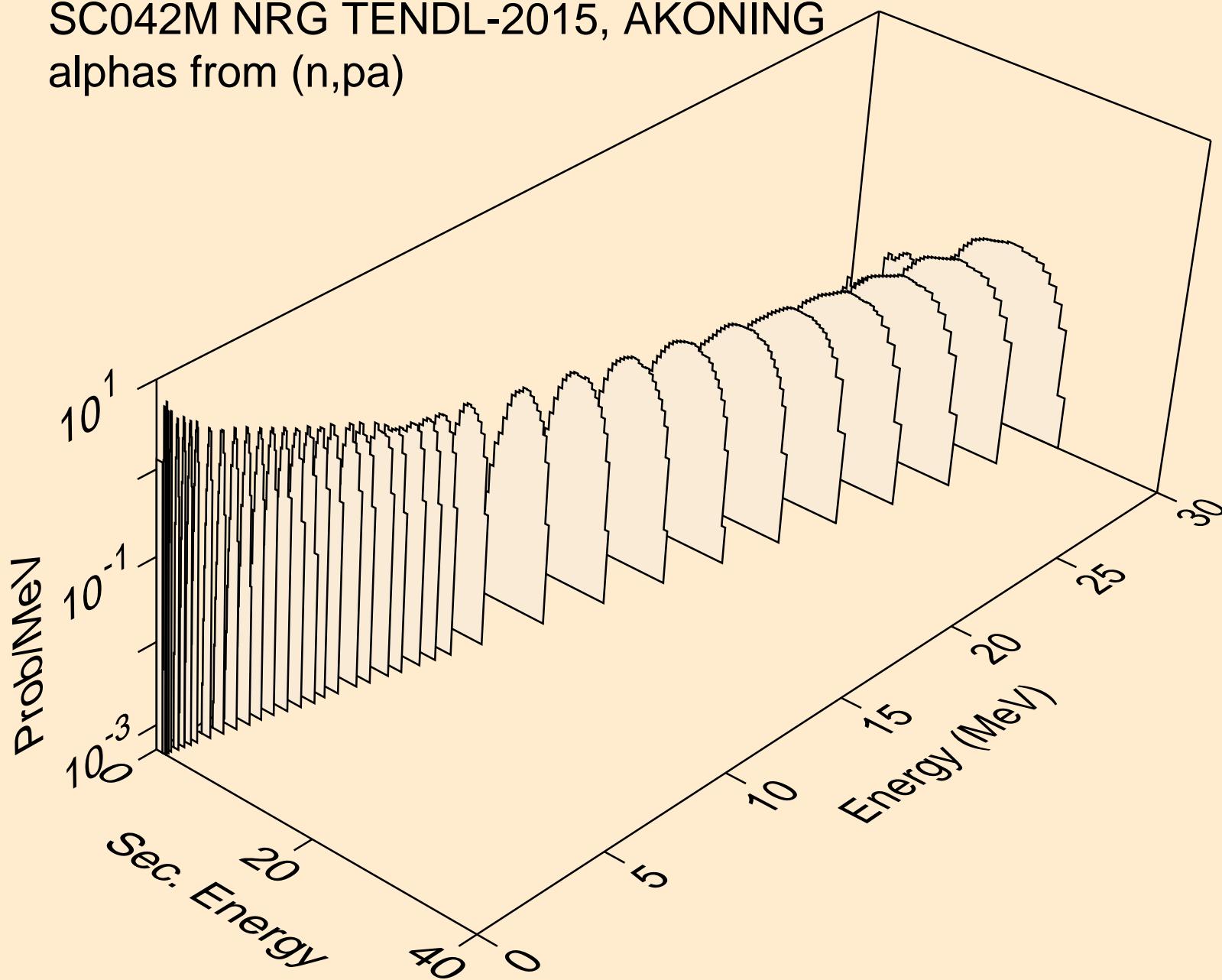
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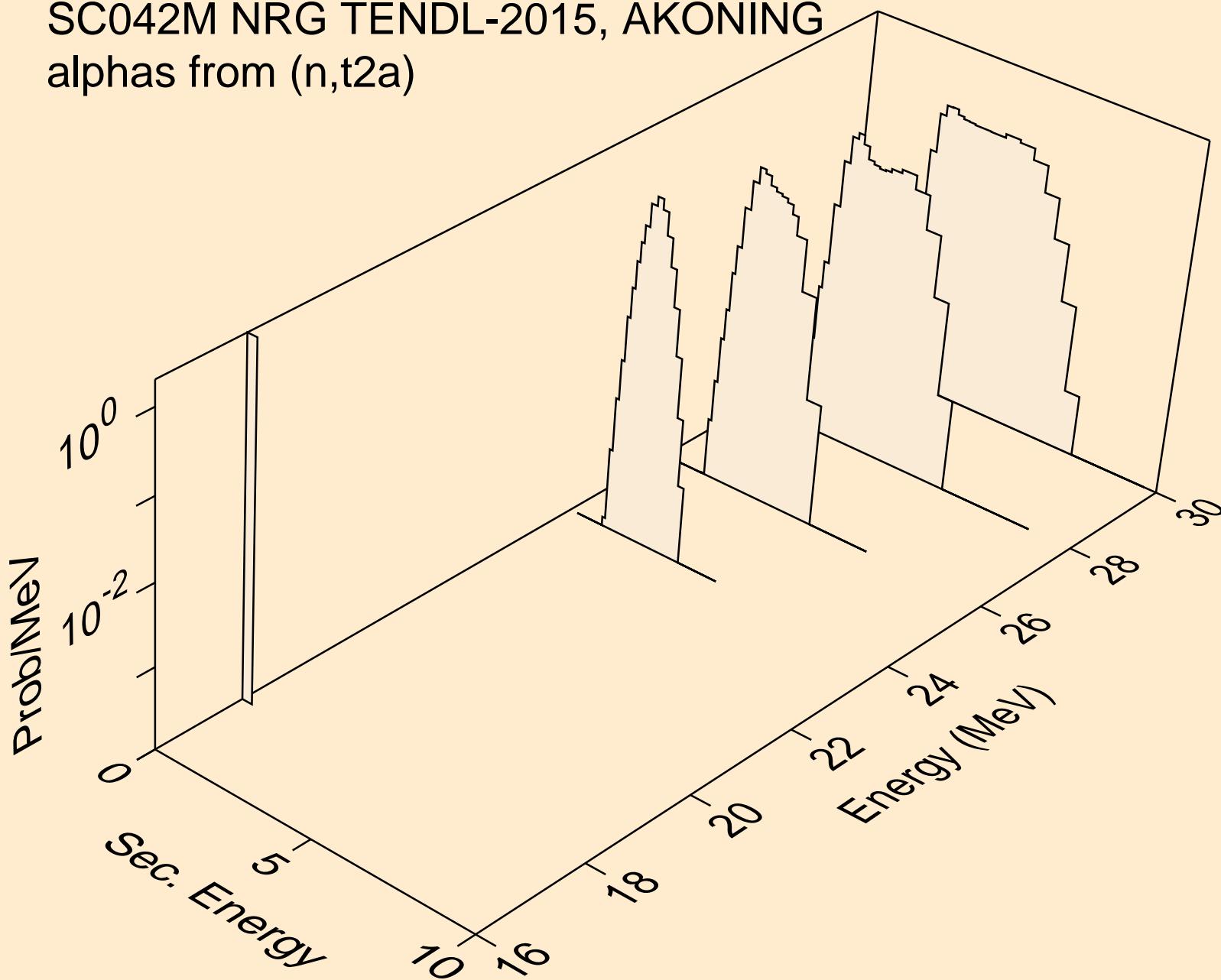
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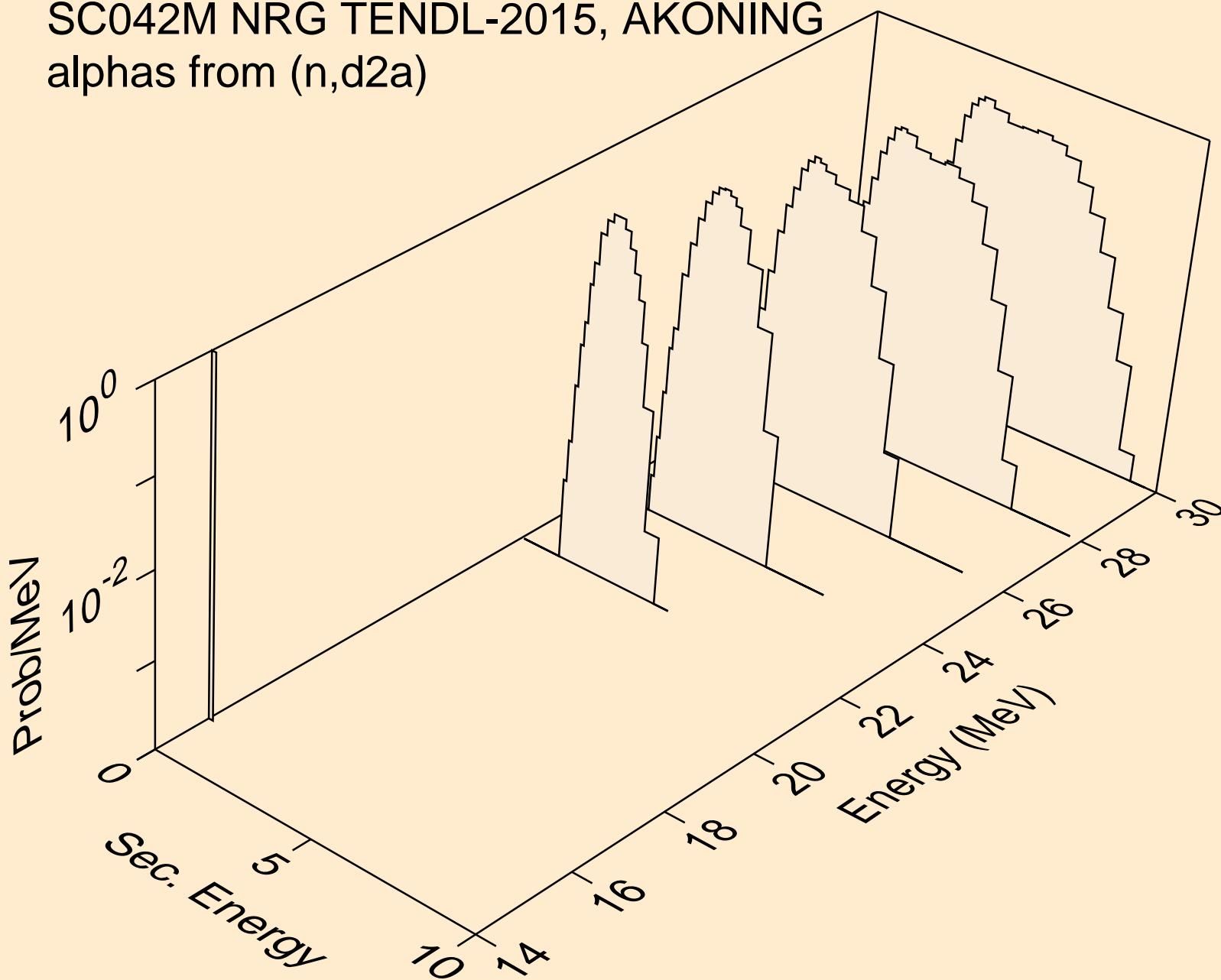
SC042M NRG TENDL-2015, AKONING  
alphas from (n,pa)



SC042M NRG TENDL-2015, AKONING  
alphas from (n,t2a)



SC042M NRG TENDL-2015, AKONING  
alphas from (n,d2a)



SC042M NRG TENDL-2015, AKONING  
alphas from (n,da)

