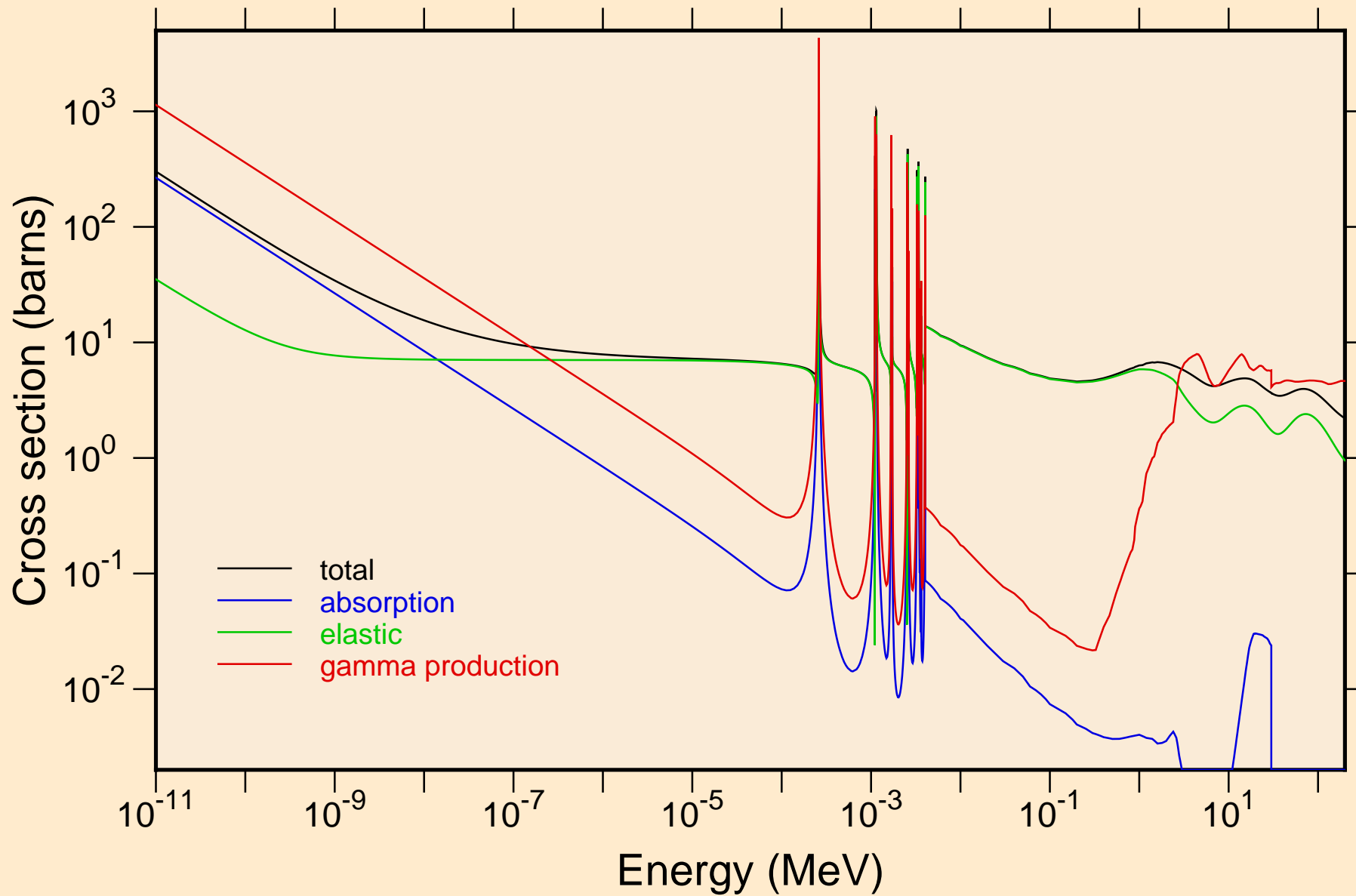
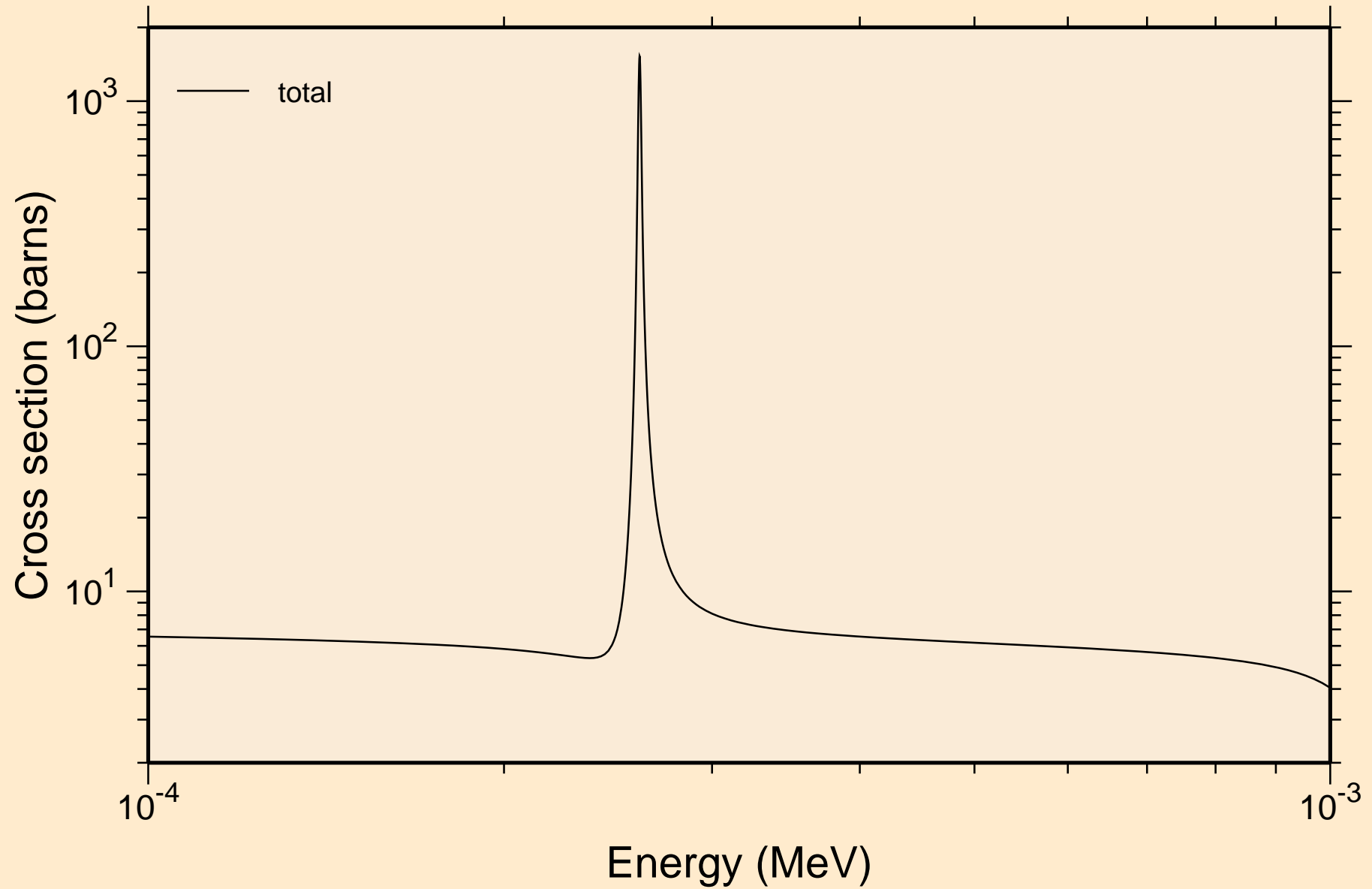


# CS138M NRG TENDL-2015, AKONING

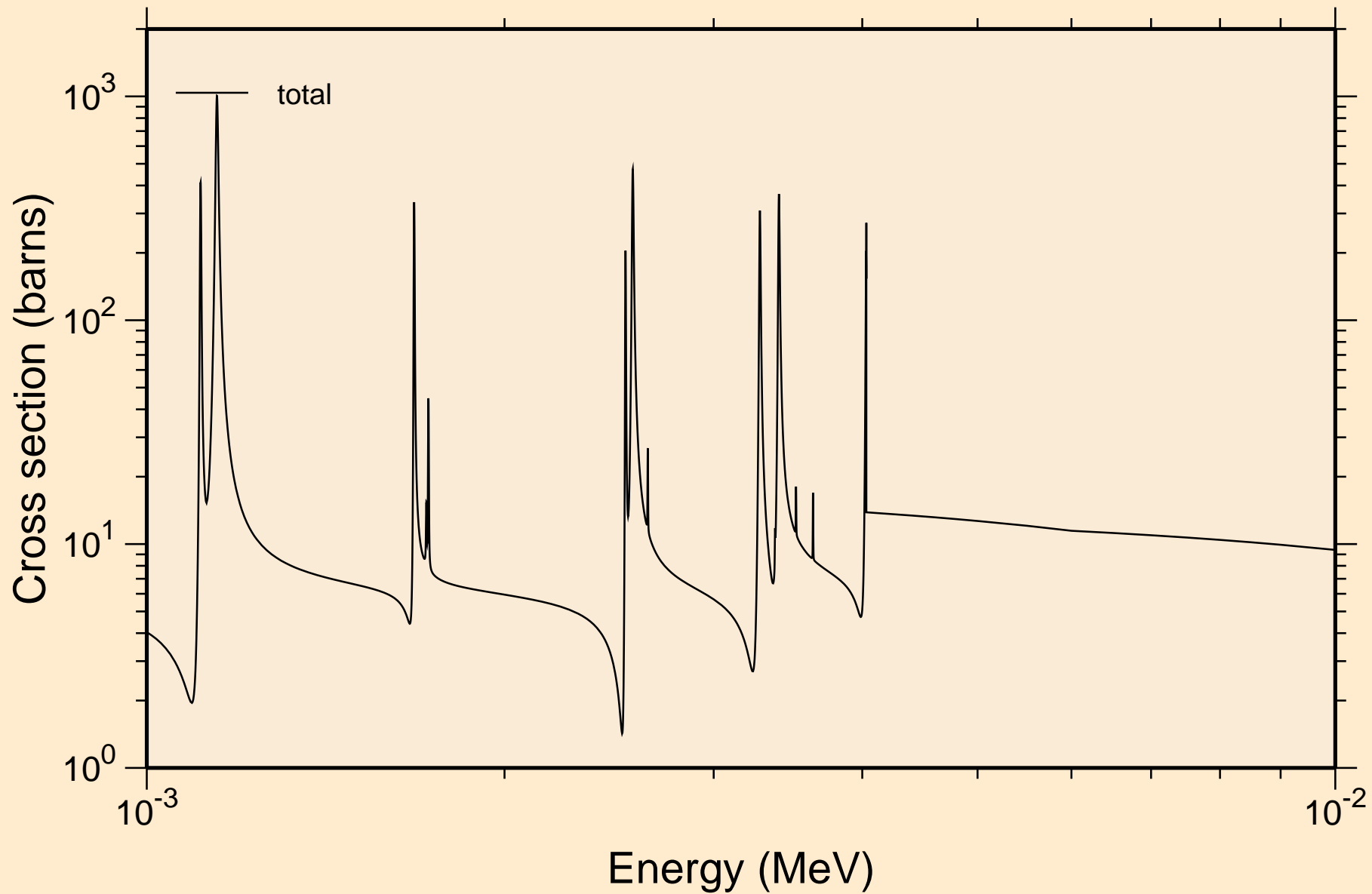
## Principal cross sections



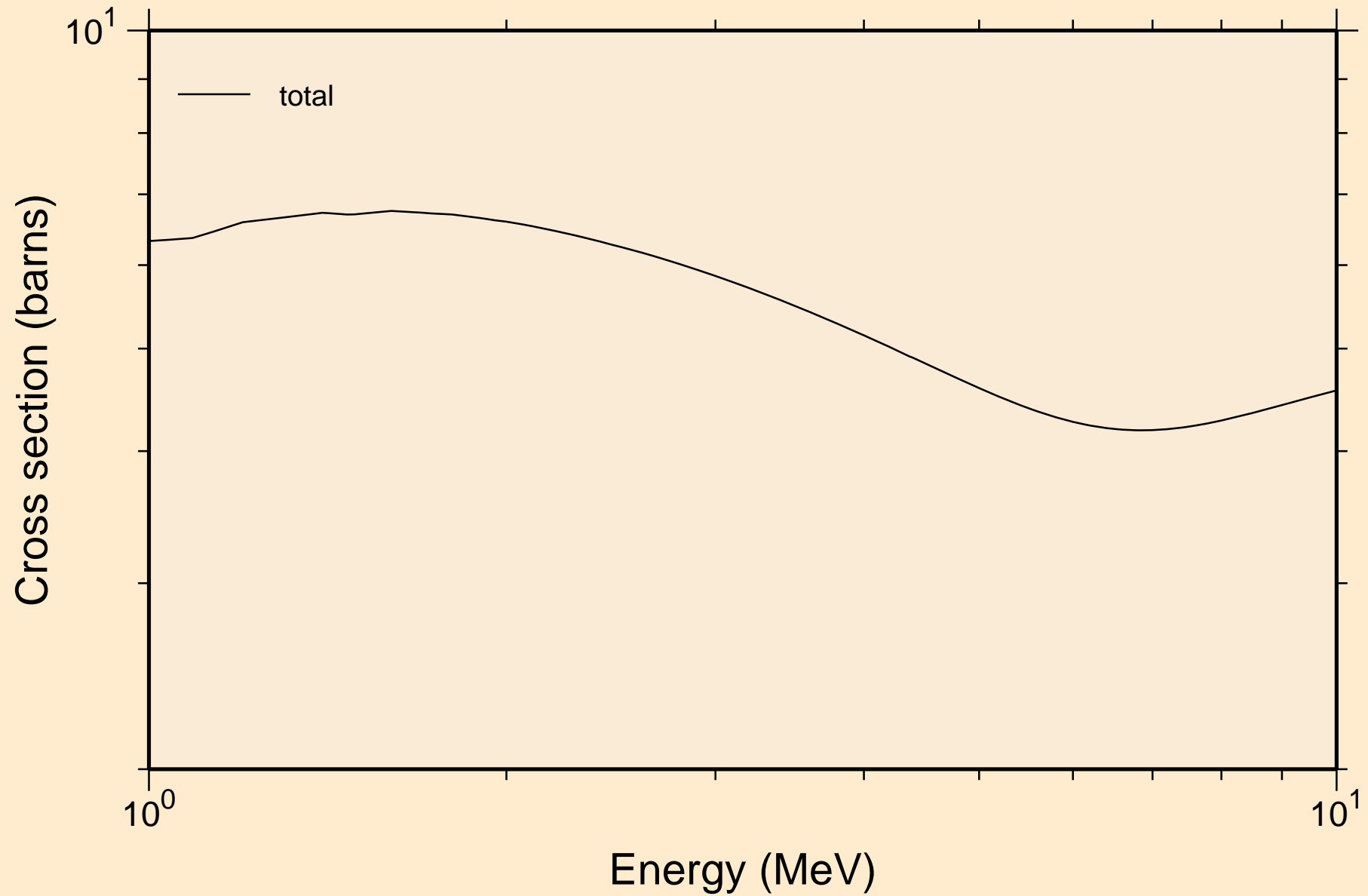
CS138M NRG TENDL-2015, AKONING  
resonance total cross section



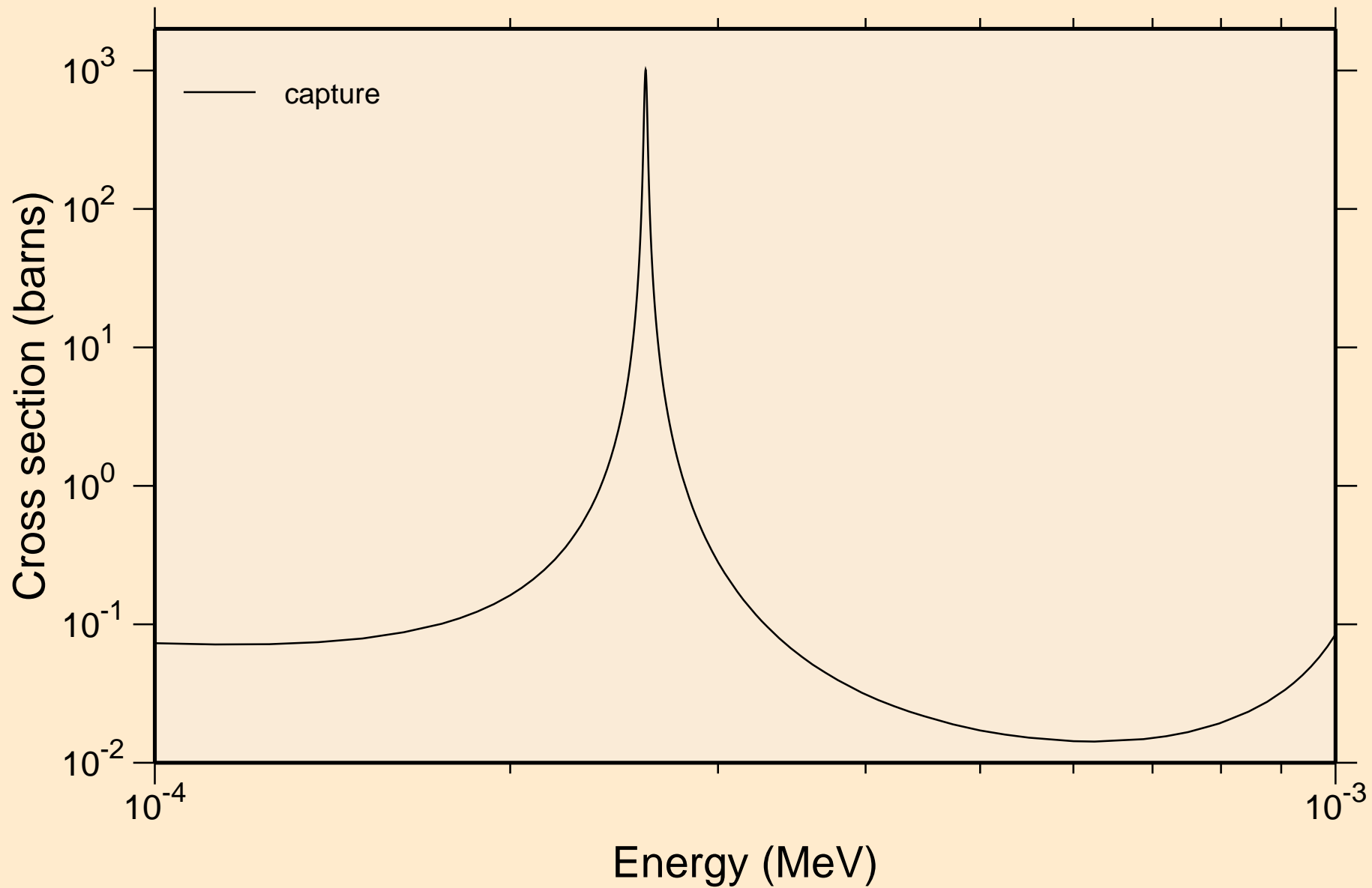
CS138M NRG TENDL-2015, AKONING  
resonance total cross section



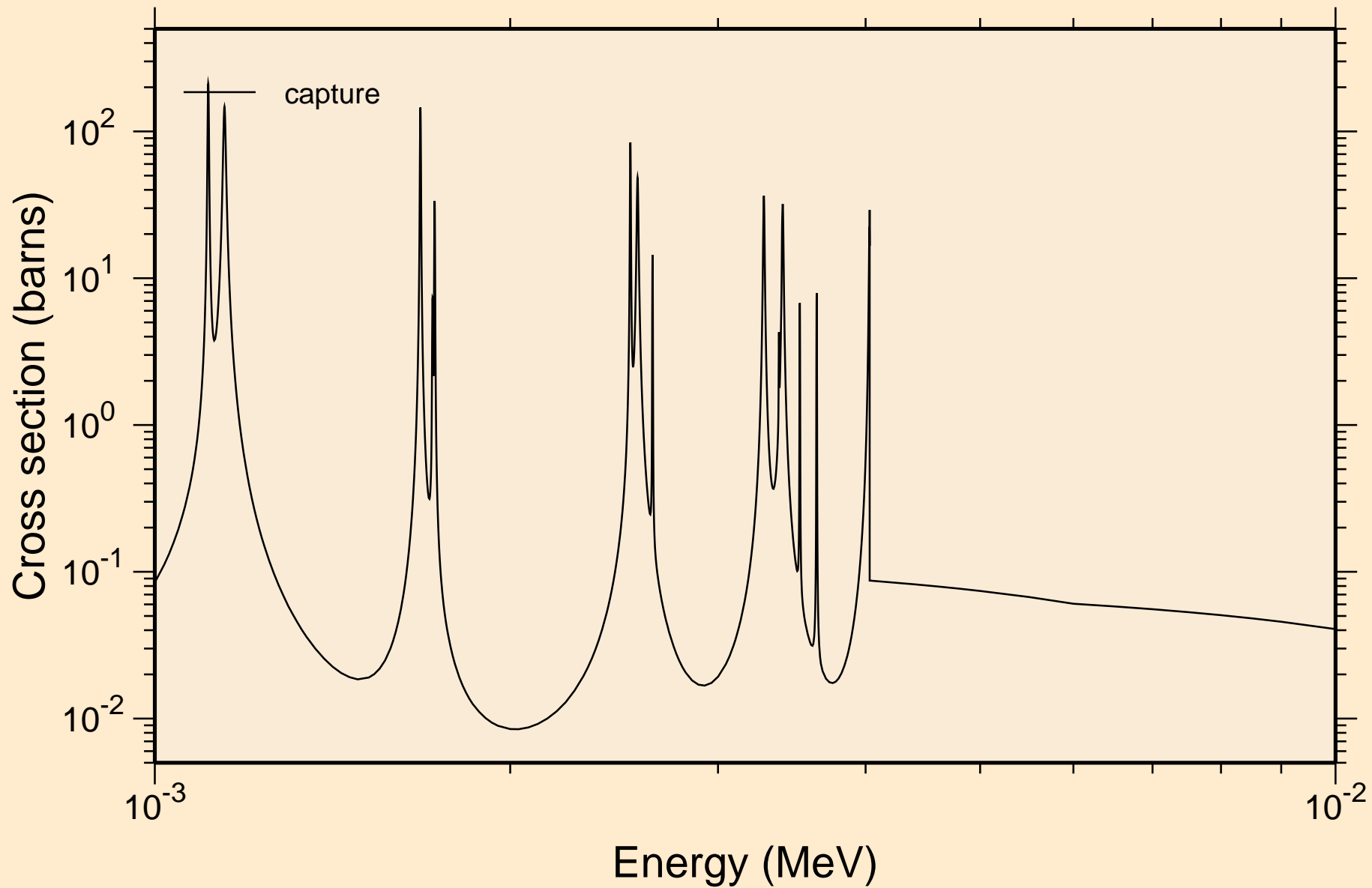
CS138M NRG TENDL-2015, AKONING  
resonance total cross section



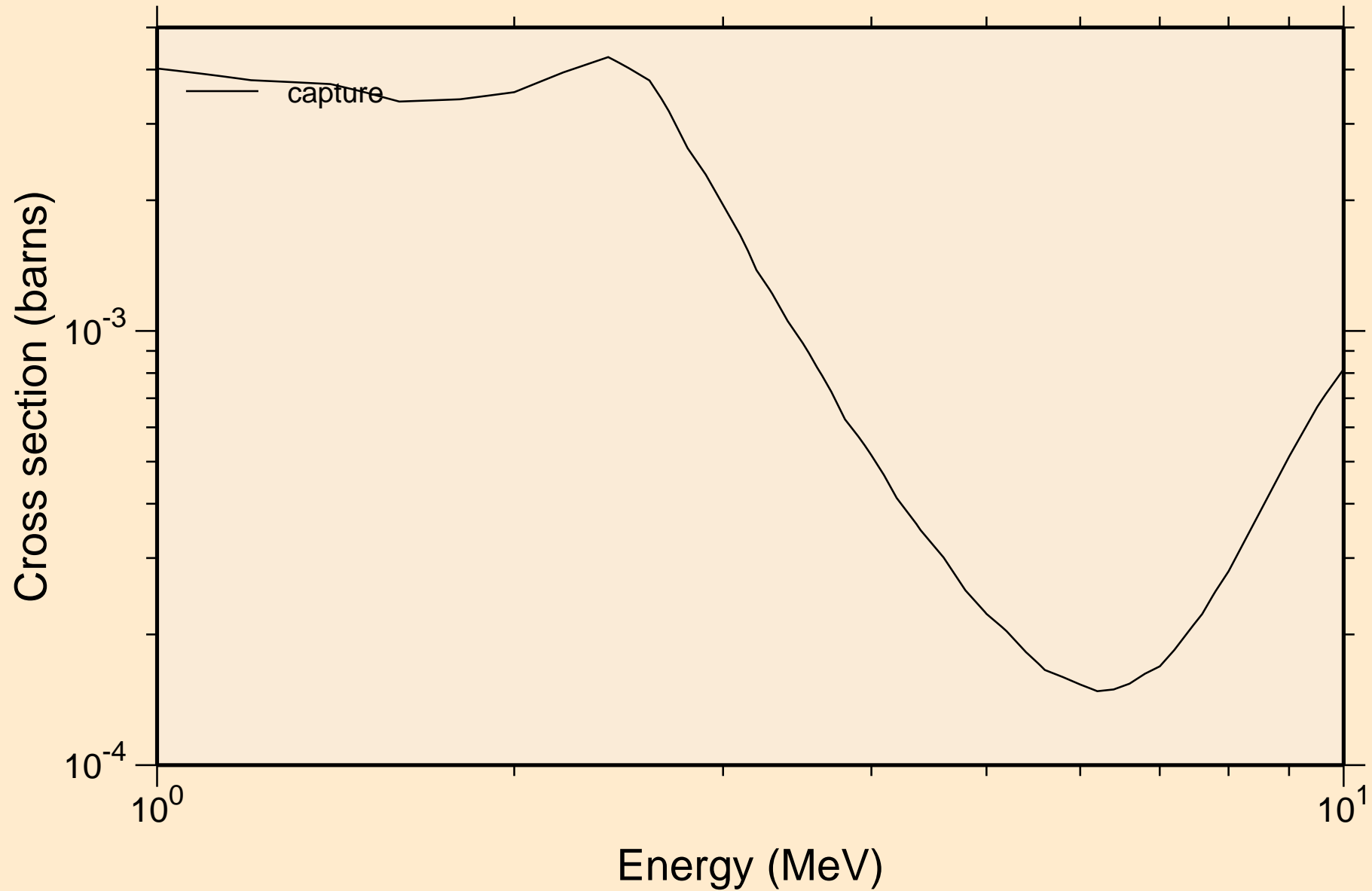
CS138M NRG TENDL-2015, AKONING  
resonance absorption cross sections



# CS138M NRG TENDL-2015, AKONING resonance absorption cross sections

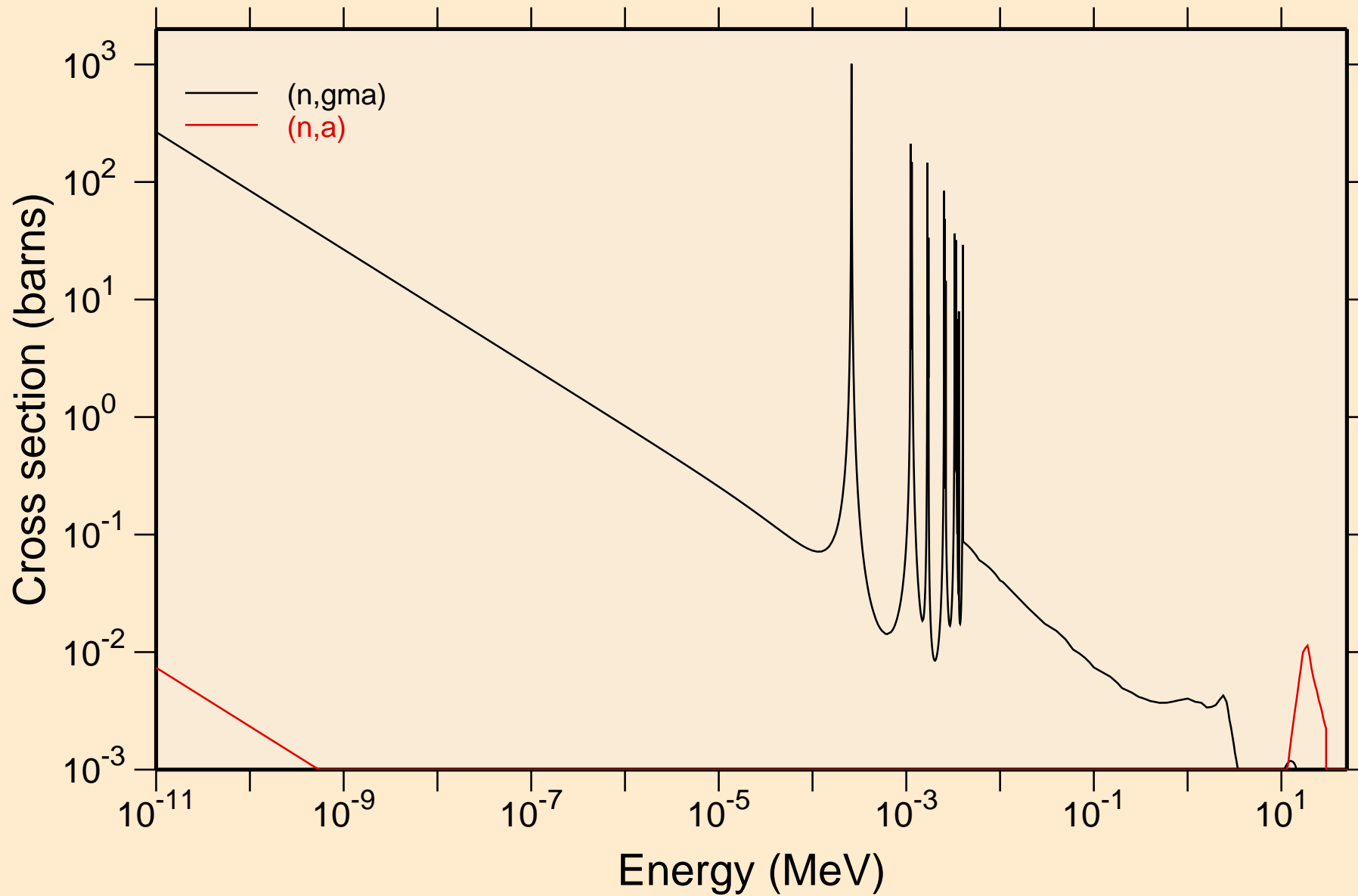


CS138M NRG TENDL-2015, AKONING  
resonance absorption cross sections



# CS138M NRG TENDL-2015, AKONING

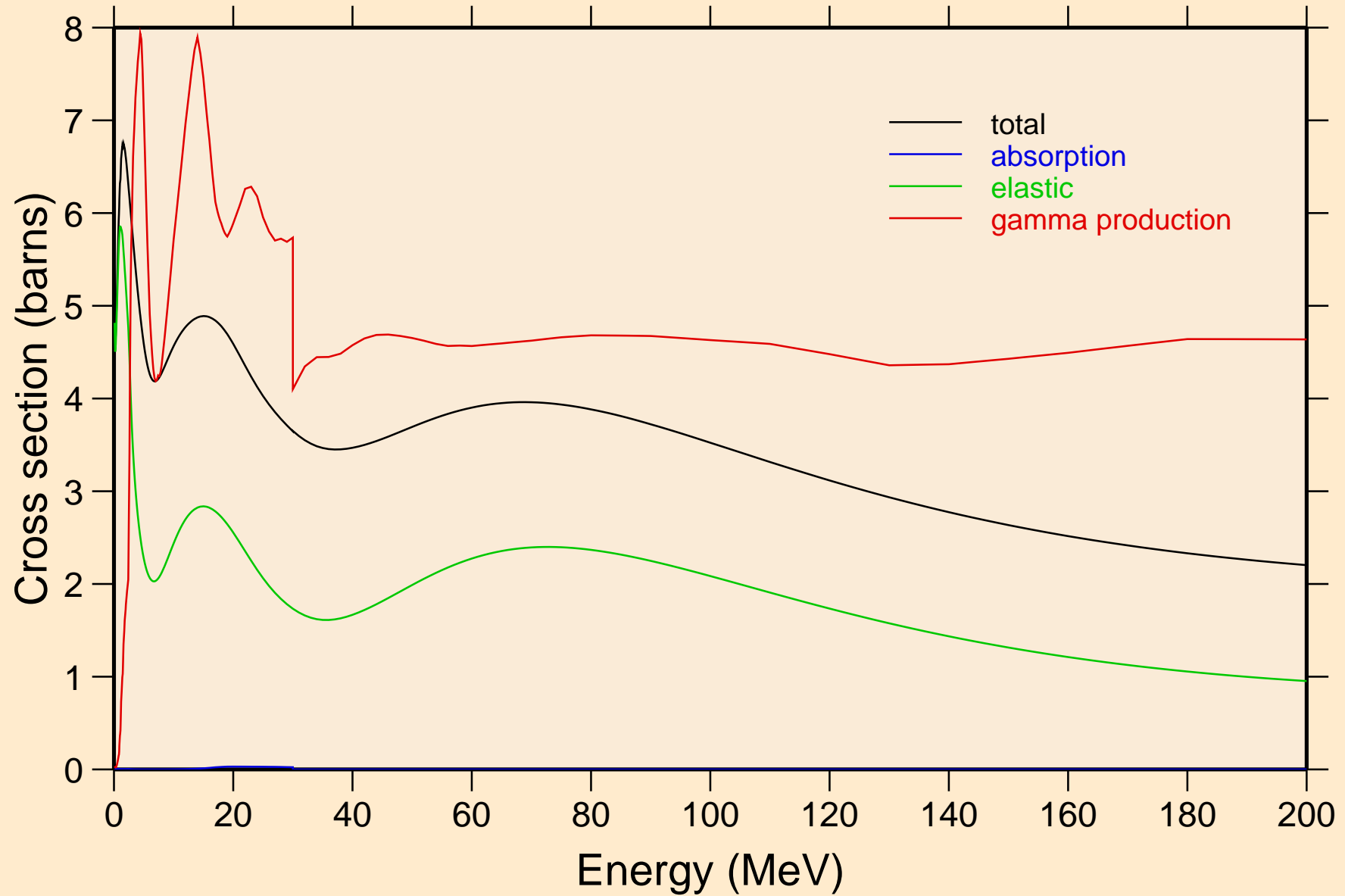
## Non-threshold reactions





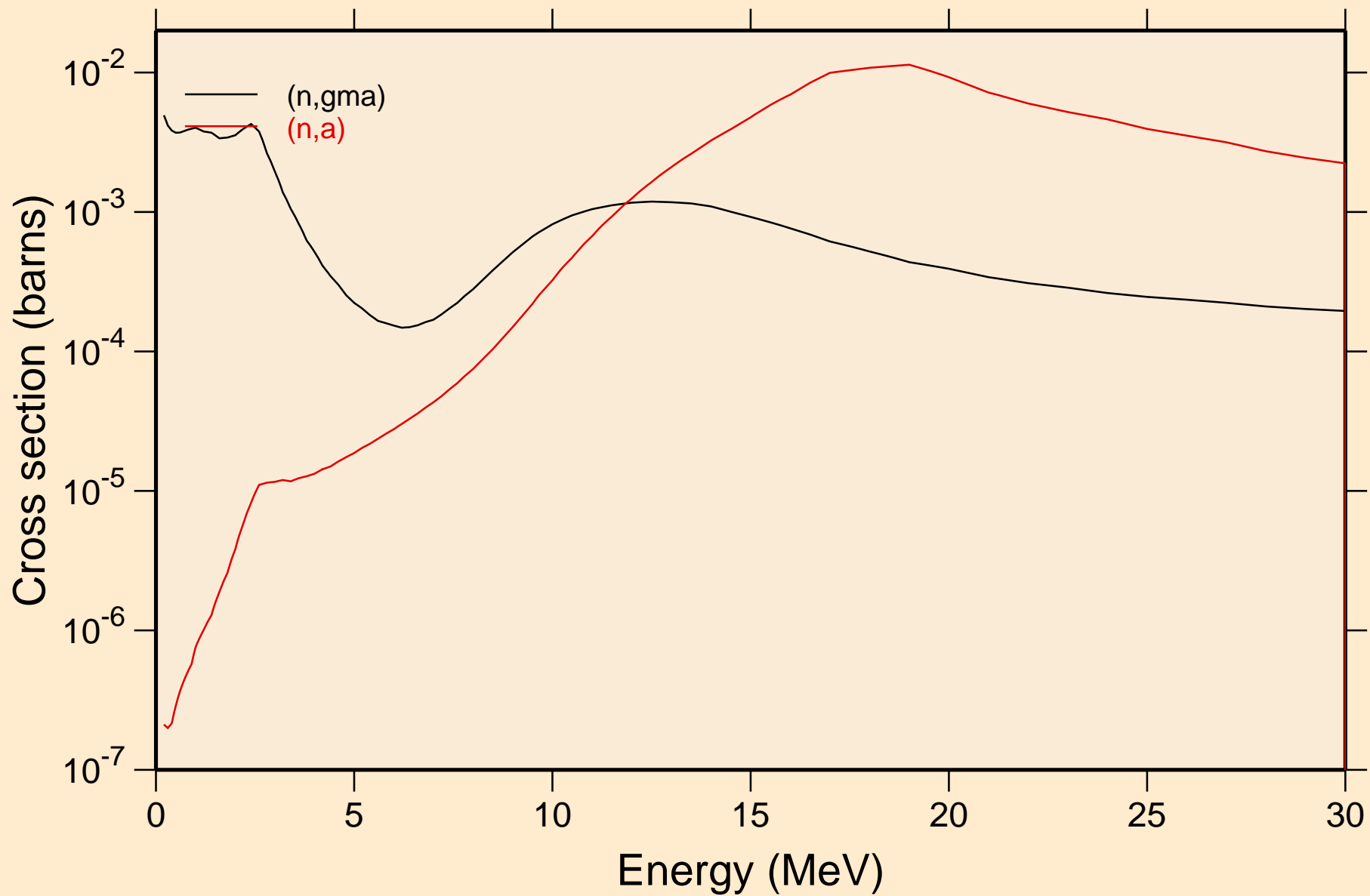
# CS138M NRG TENDL-2015, AKONING

## Principal cross sections



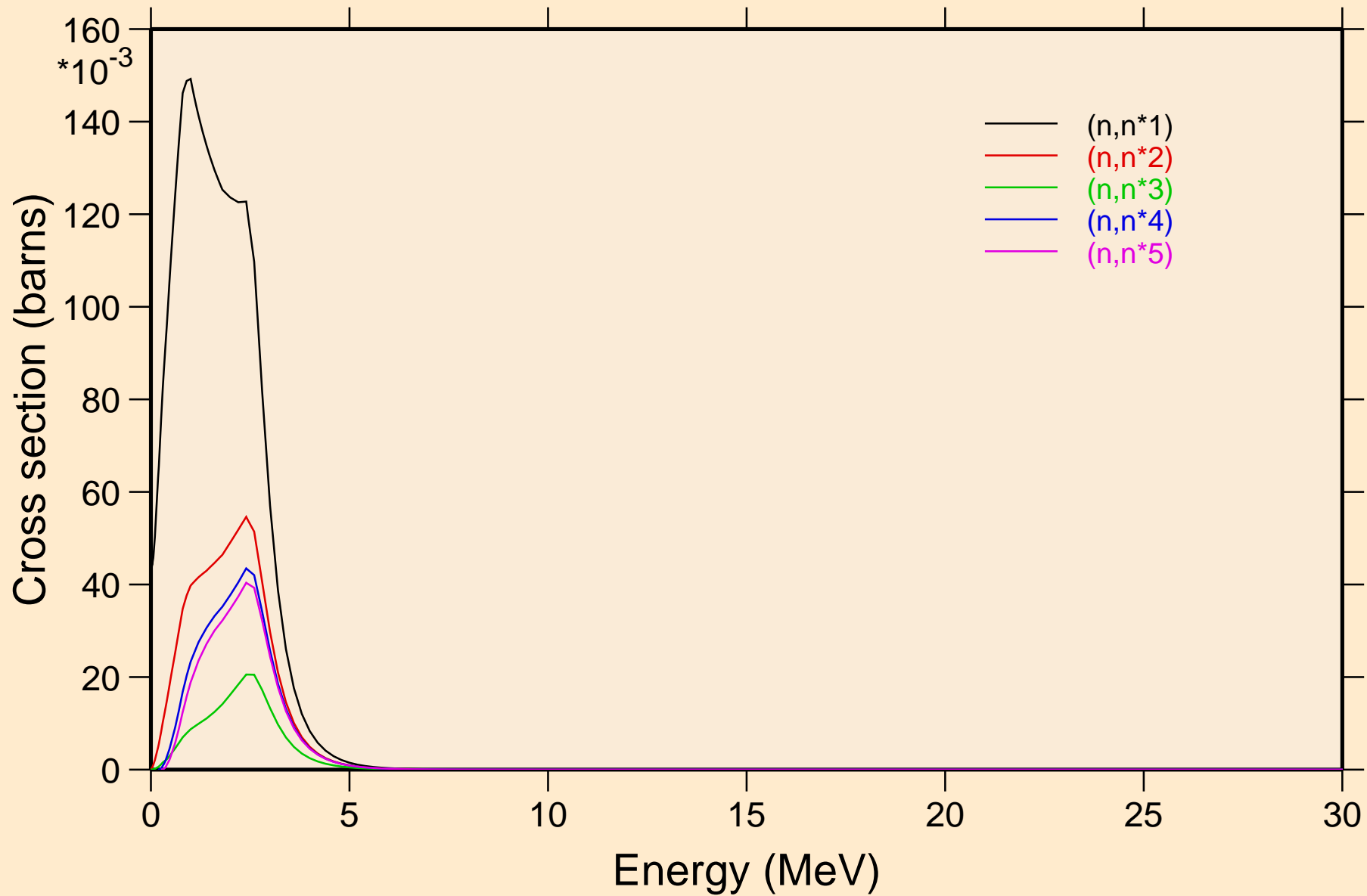
# CS138M NRG TENDL-2015, AKONING

## Non-threshold reactions



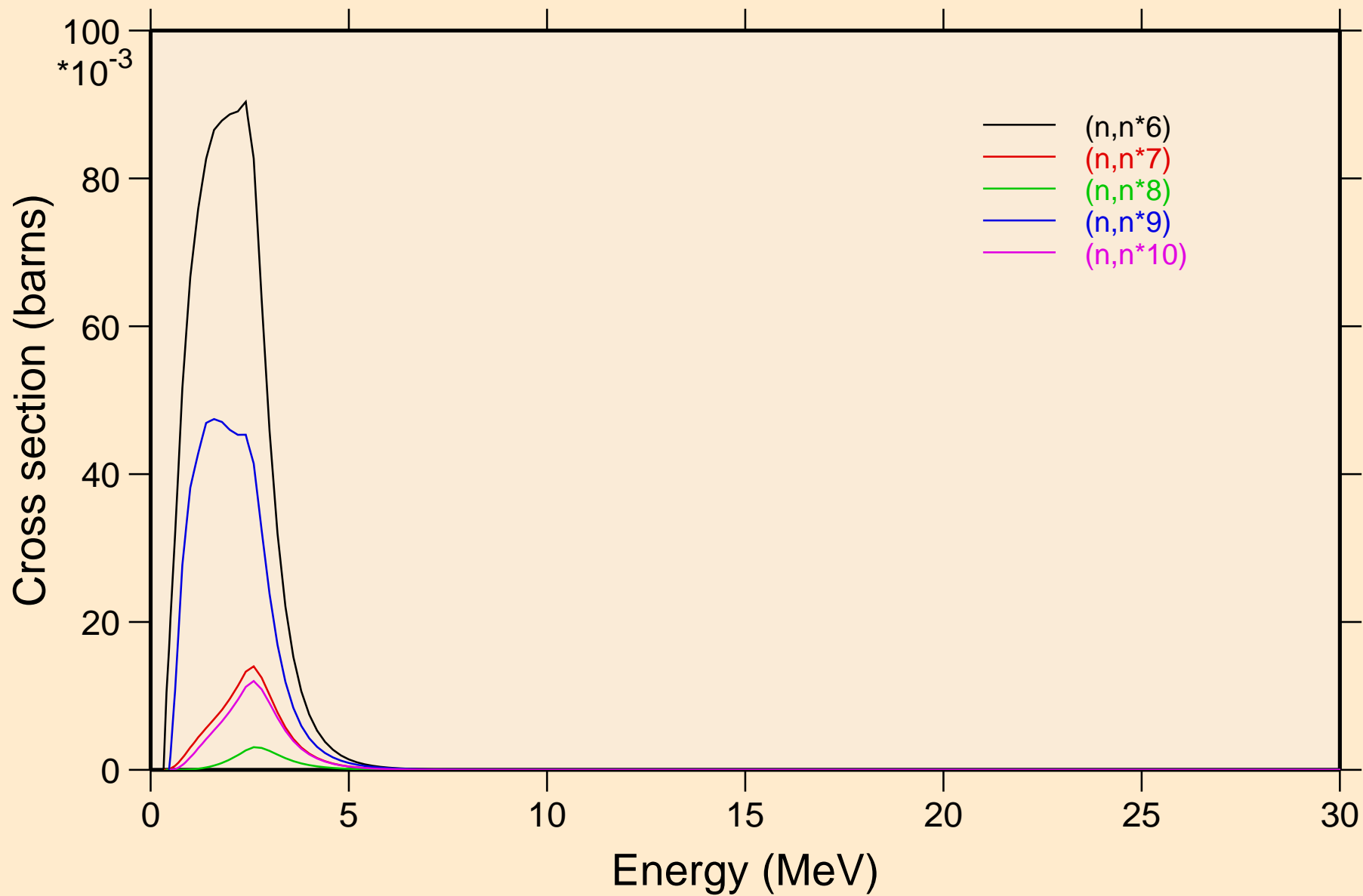
# CS138M NRG TENDL-2015, AKONING

## Inelastic levels



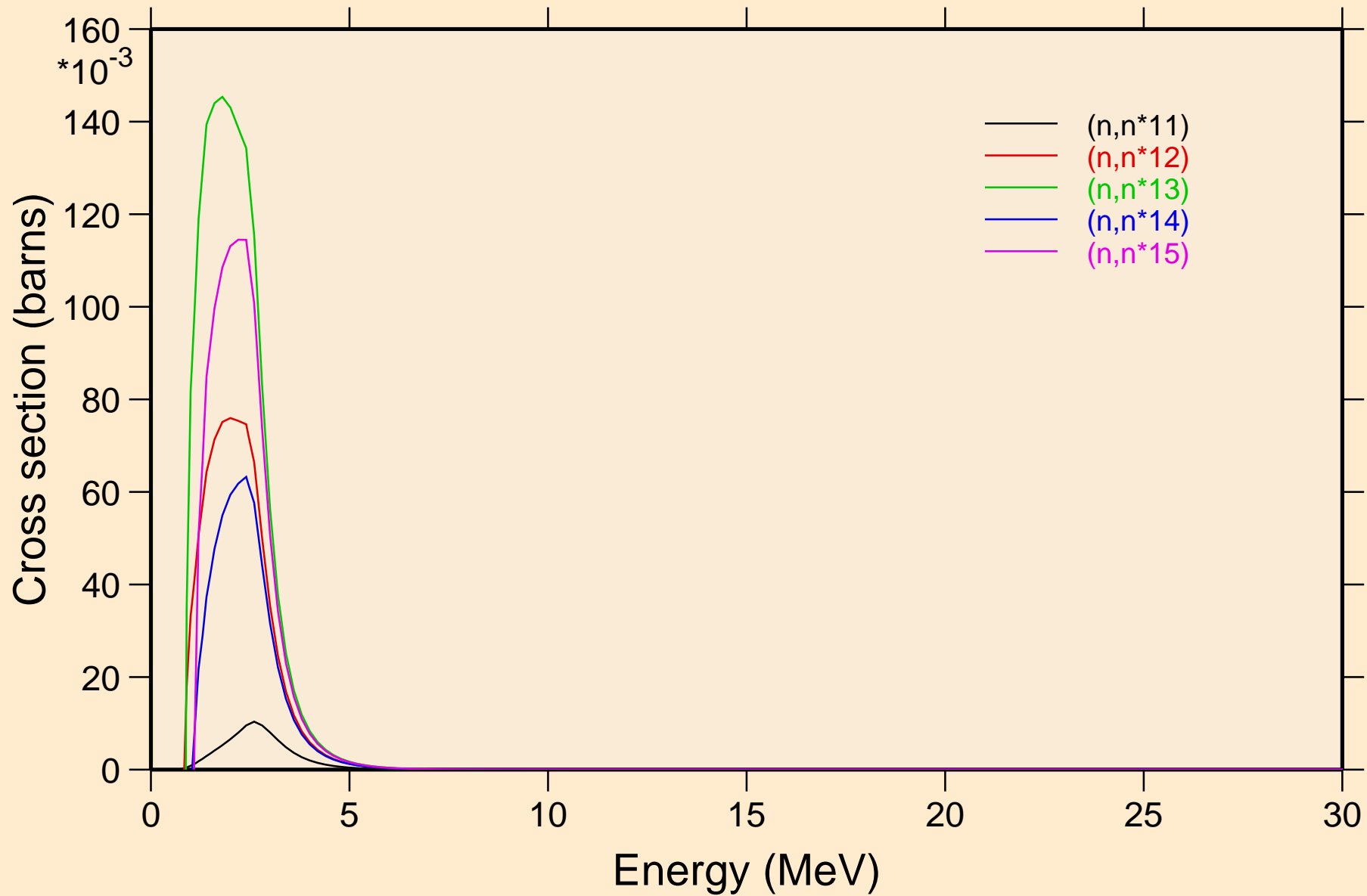
# CS138M NRG TENDL-2015, AKONING

## Inelastic levels



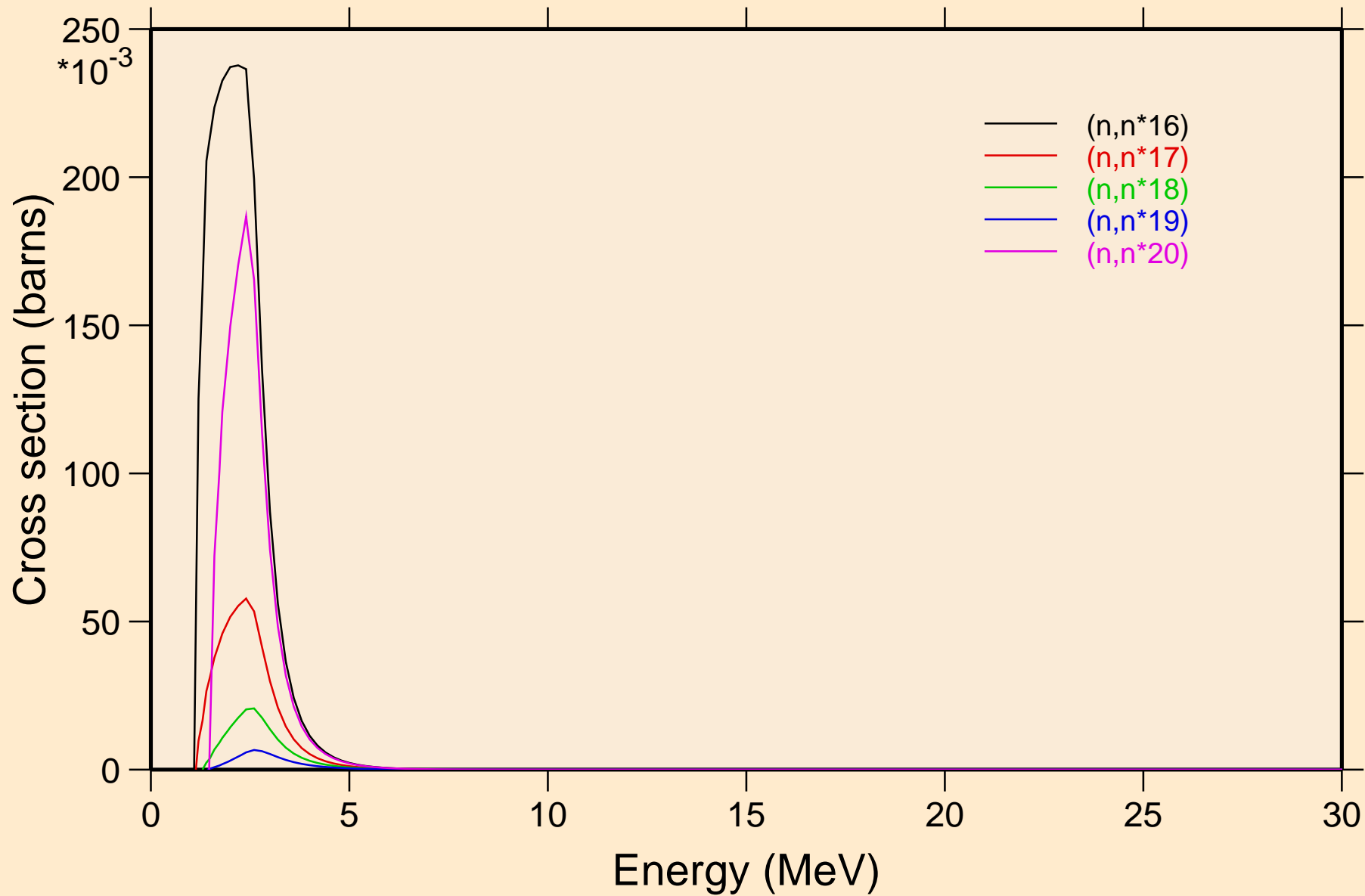
# CS138M NRG TENDL-2015, AKONING

## Inelastic levels



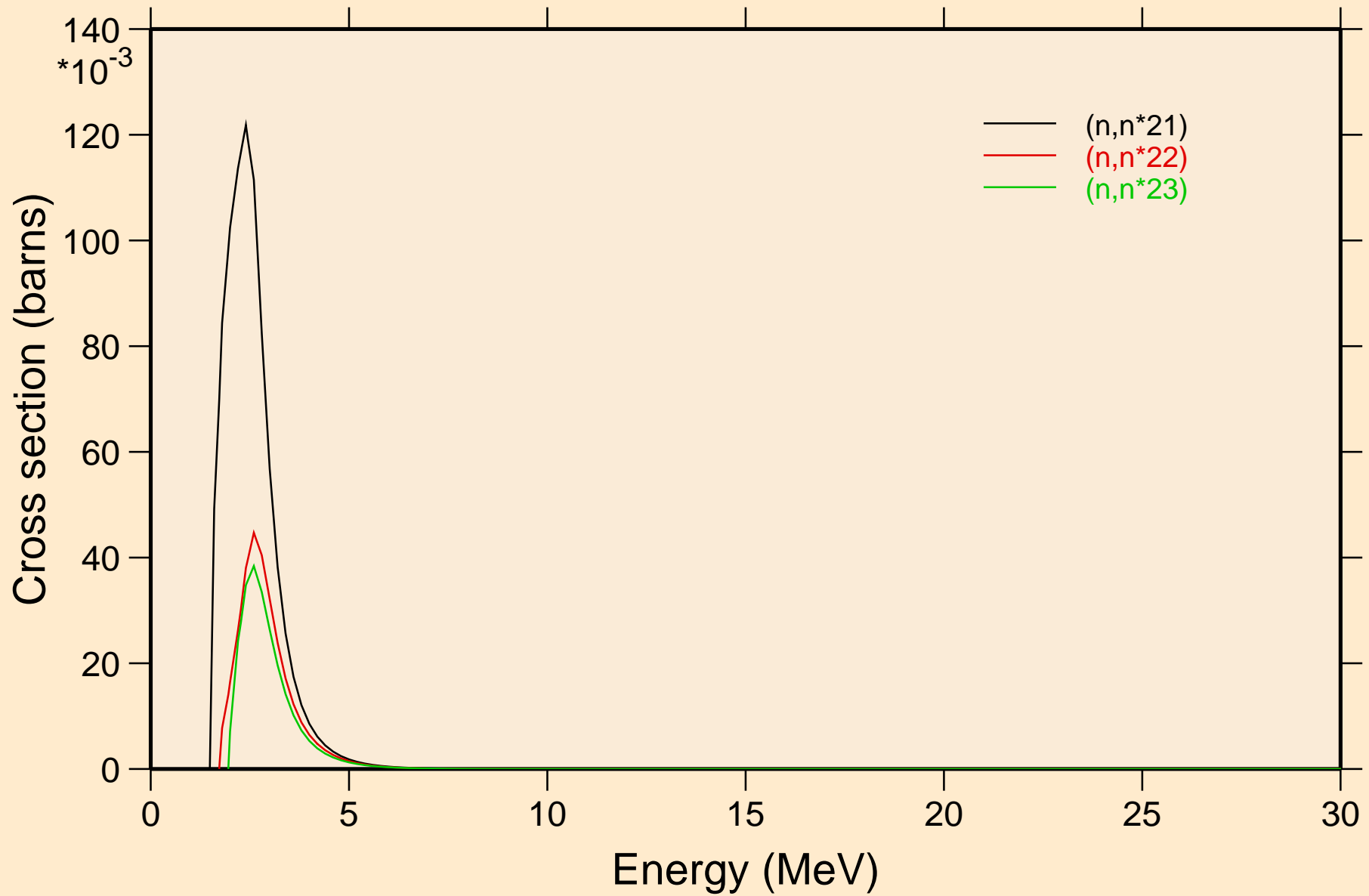
# CS138M NRG TENDL-2015, AKONING

## Inelastic levels



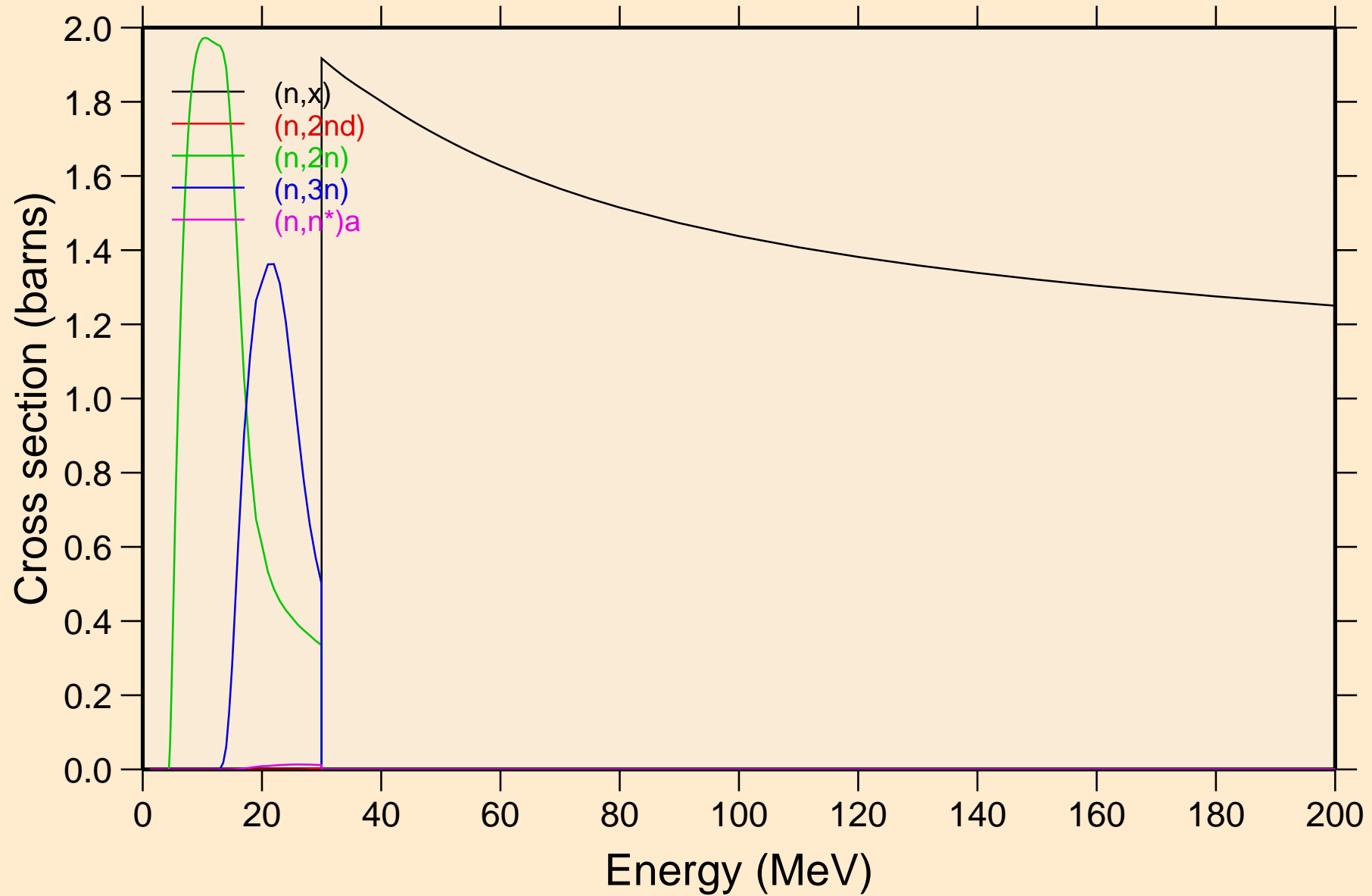
# CS138M NRG TENDL-2015, AKONING

## Inelastic levels



# CS138M NRG TENDL-2015, AKONING

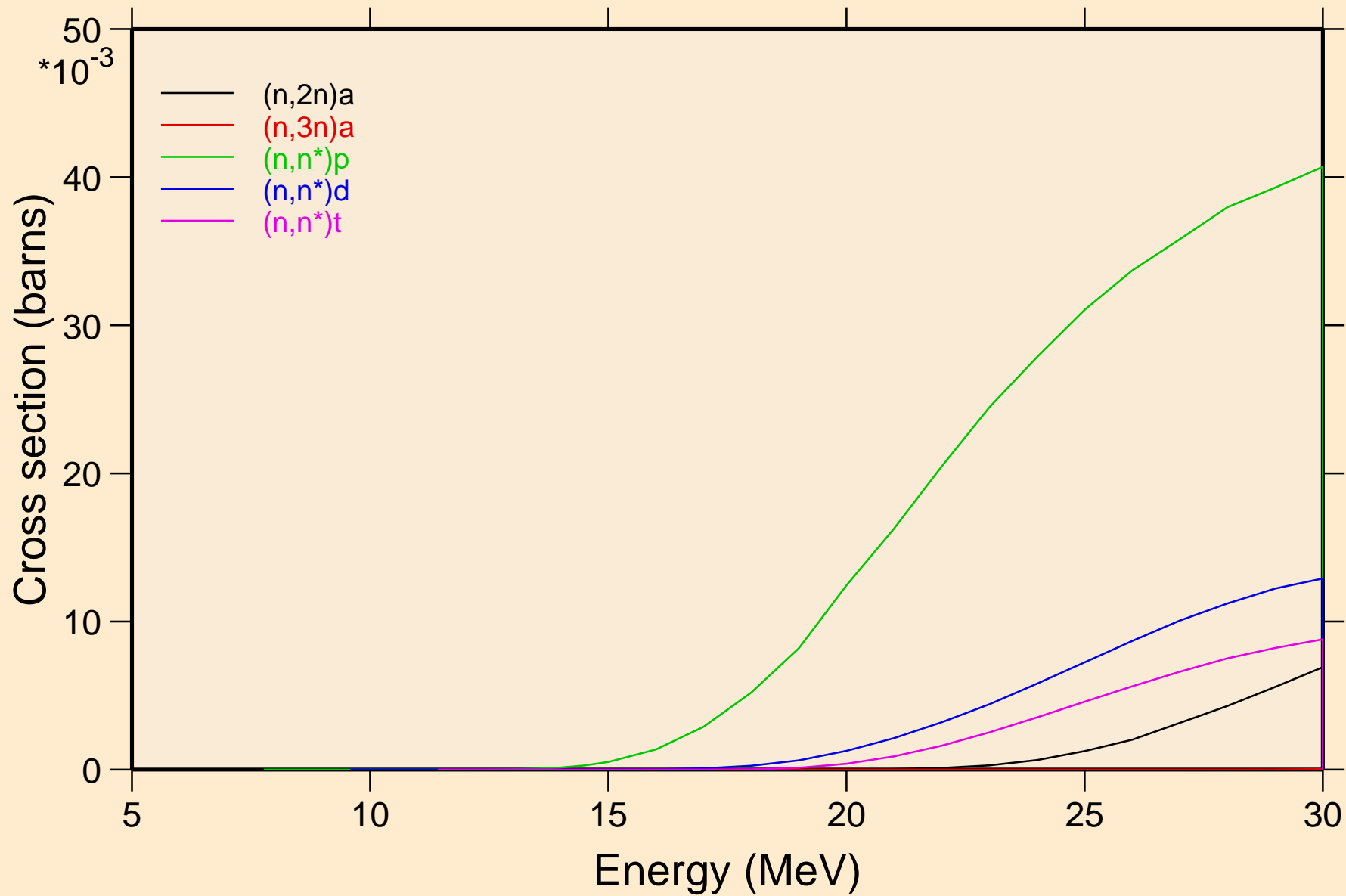
## Threshold reactions





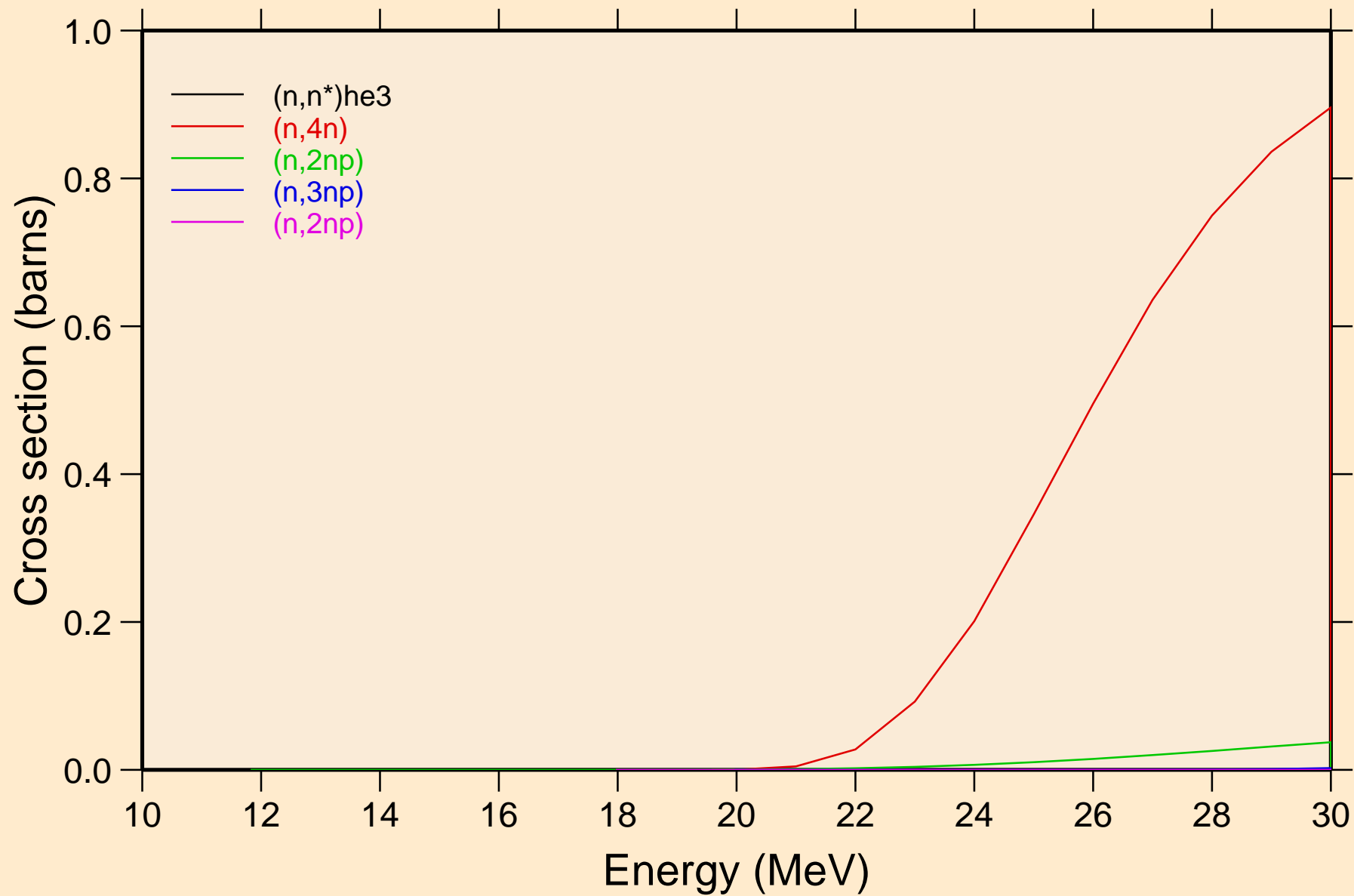
# CS138M NRG TENDL-2015, AKONING

## Threshold reactions



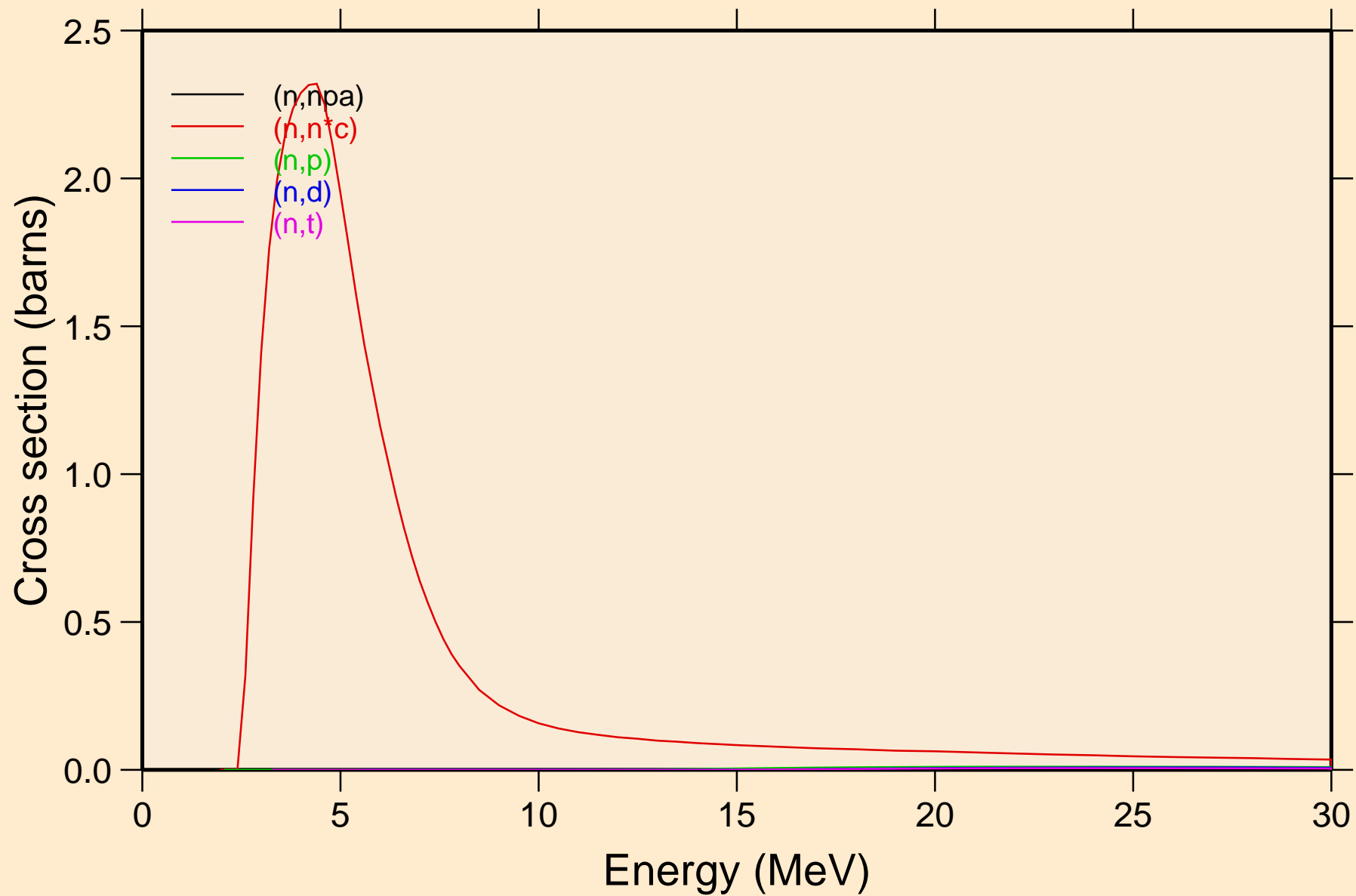
# CS138M NRG TENDL-2015, AKONING

## Threshold reactions



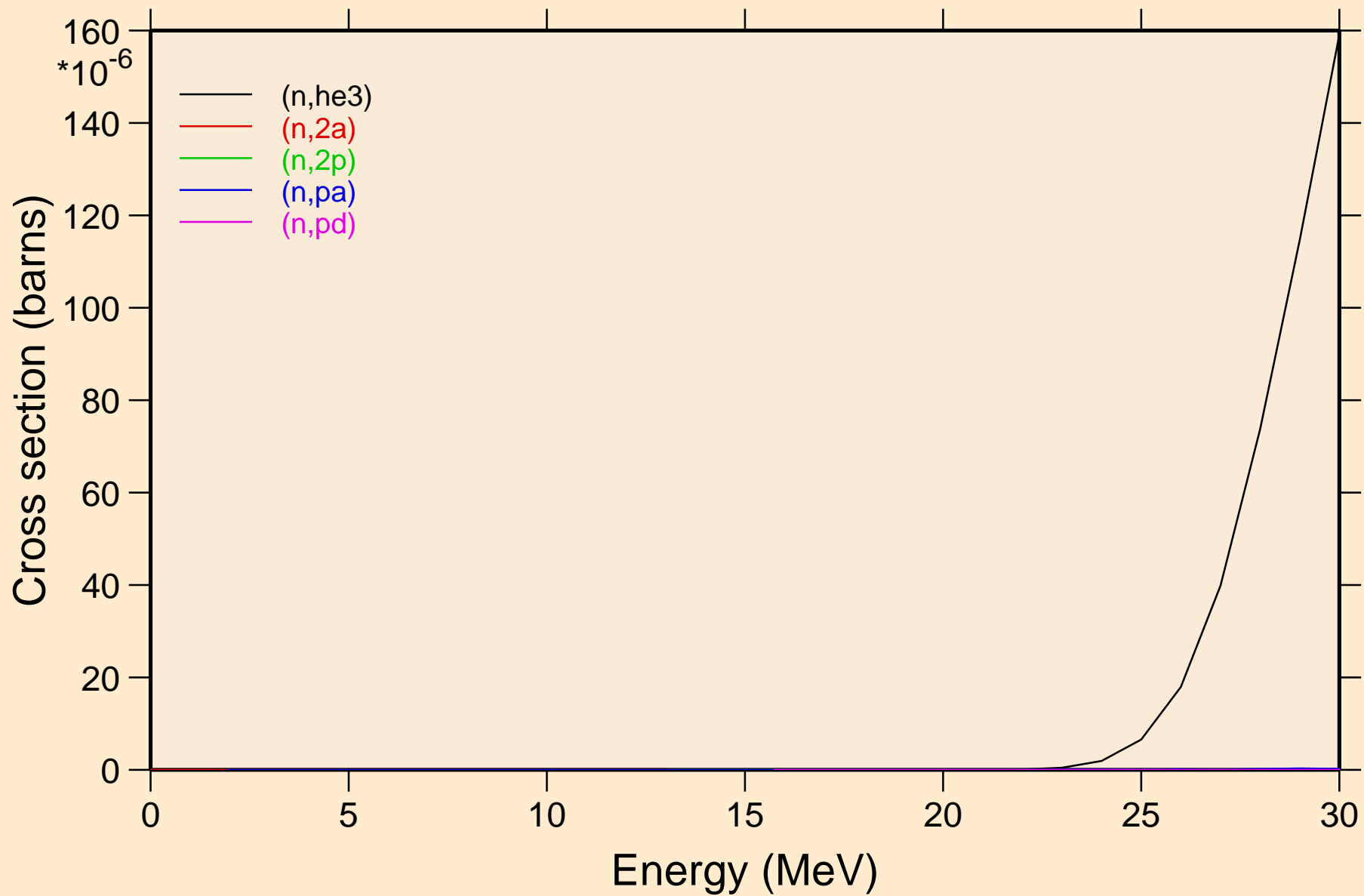
# CS138M NRG TENDL-2015, AKONING

## Threshold reactions



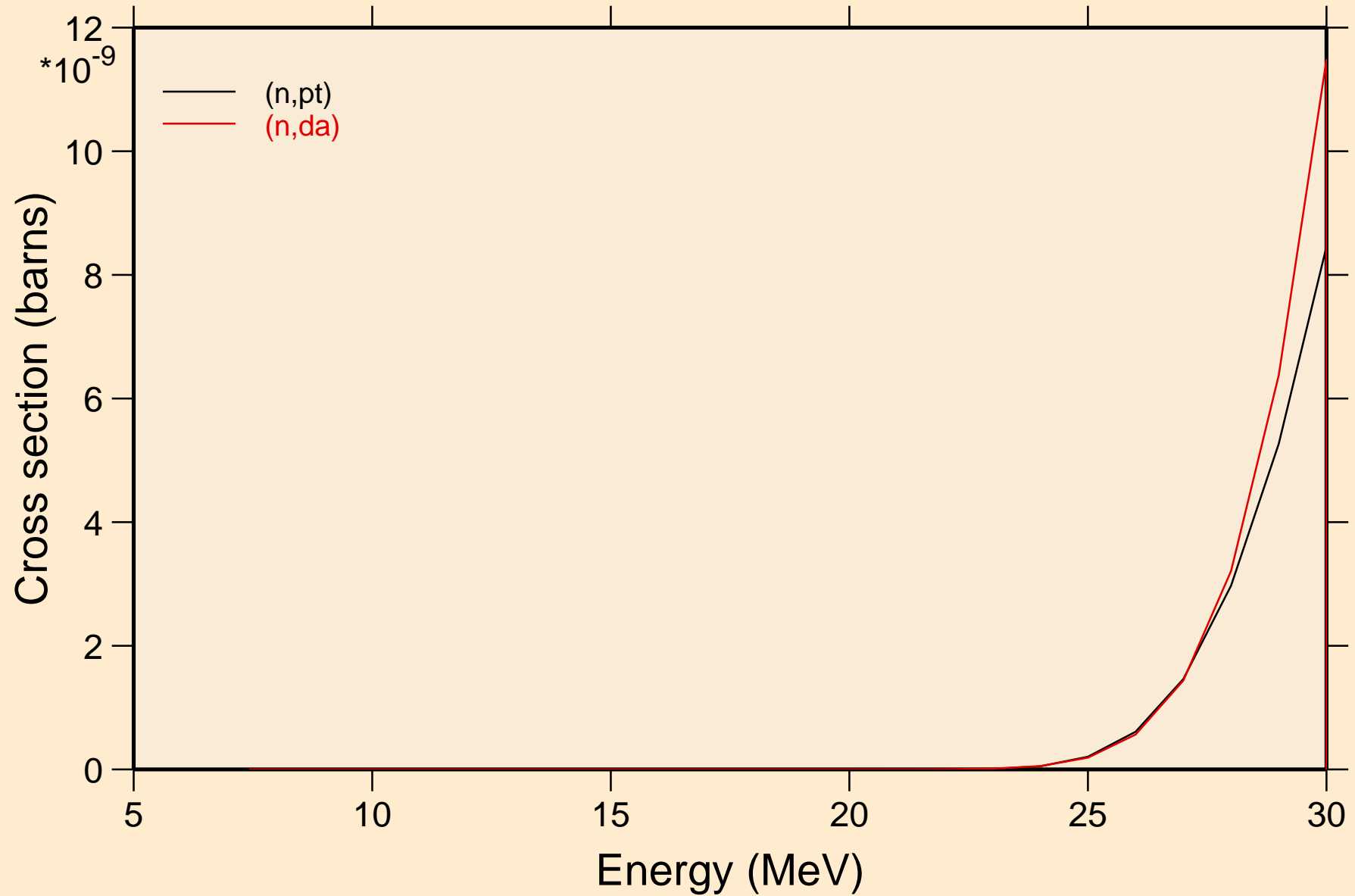
# CS138M NRG TENDL-2015, AKONING

## Threshold reactions

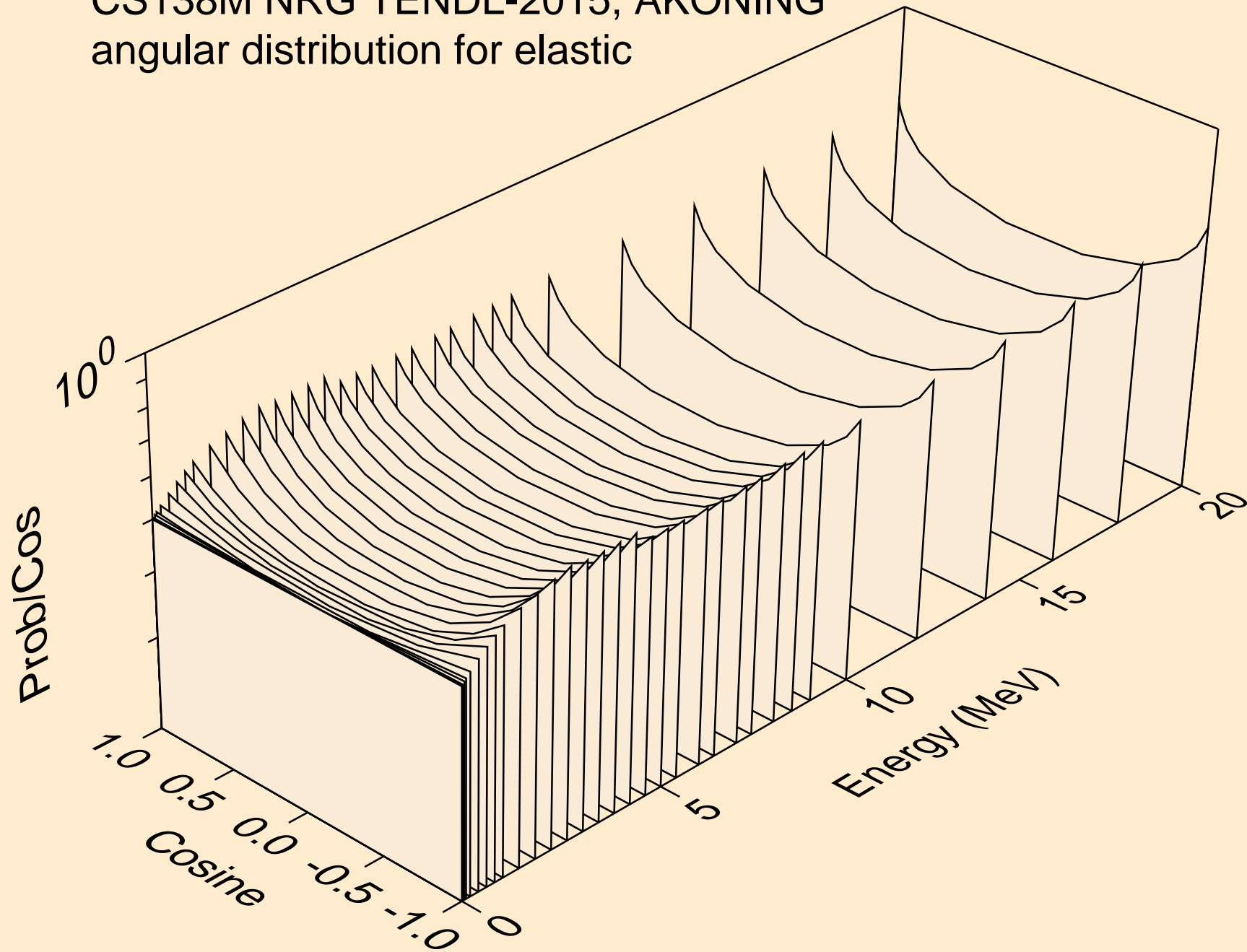


# CS138M NRG TENDL-2015, AKONING

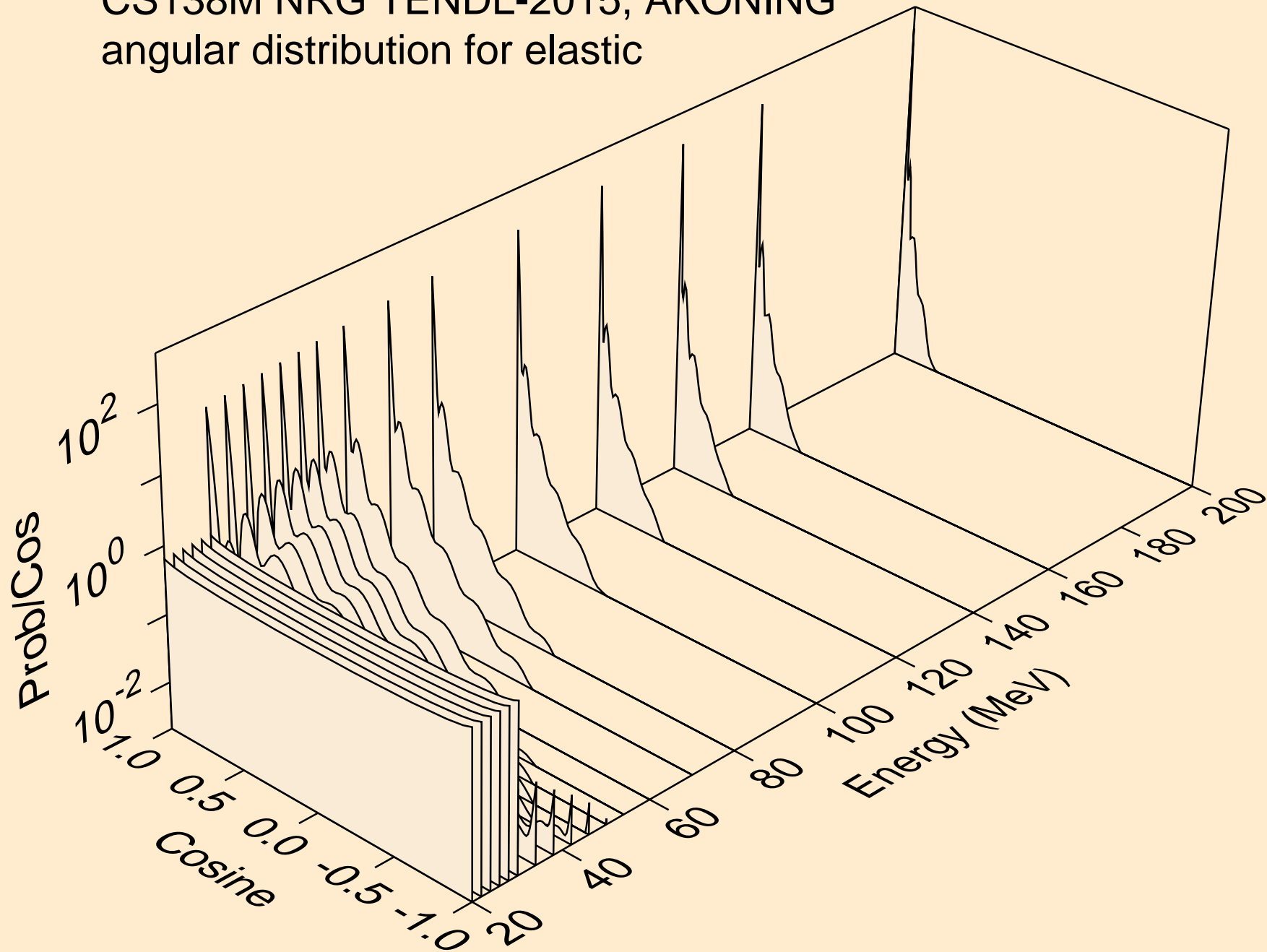
## Threshold reactions



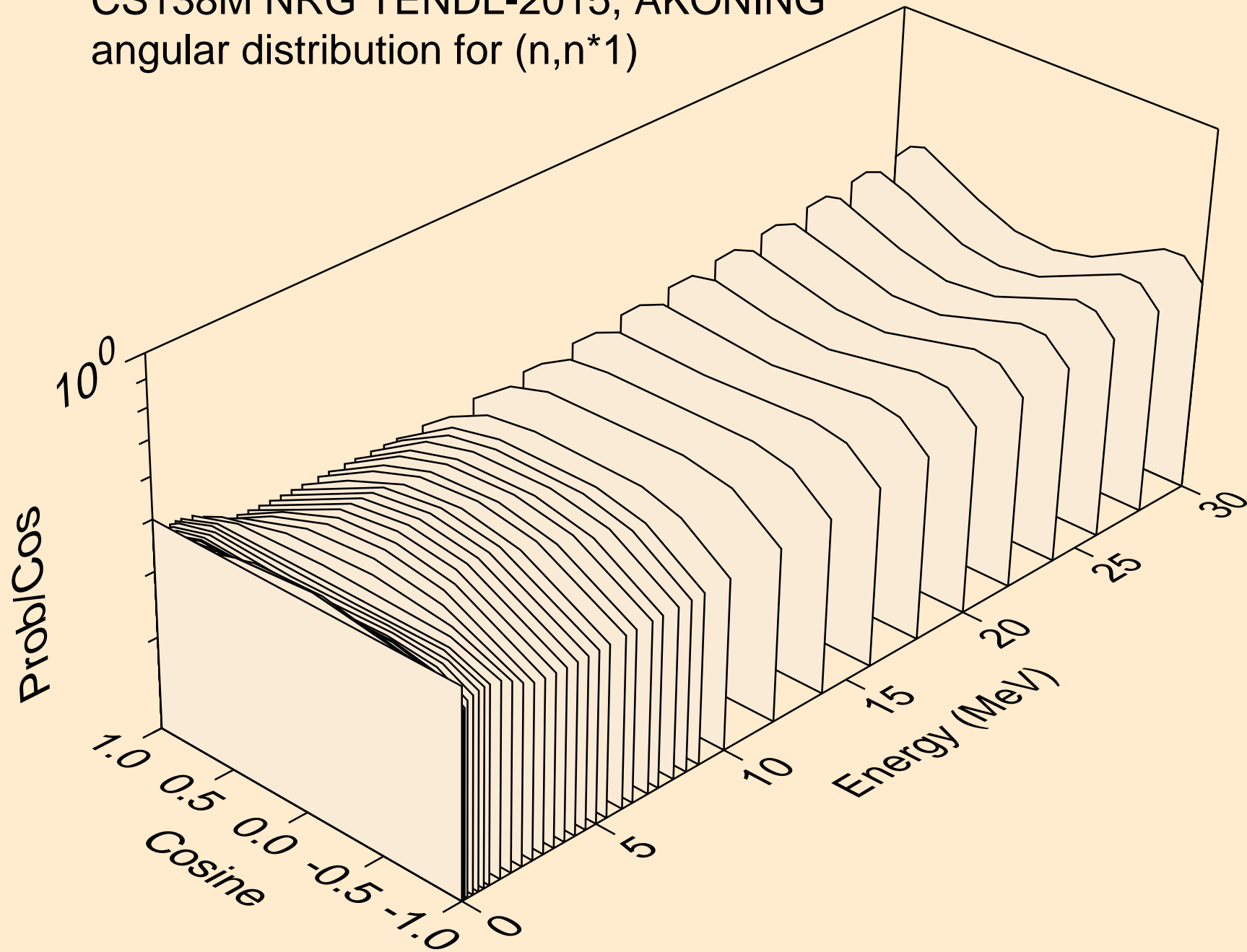
CS138M NRG TENDL-2015, AKONING  
angular distribution for elastic



CS138M NRG TENDL-2015, AKONING  
angular distribution for elastic

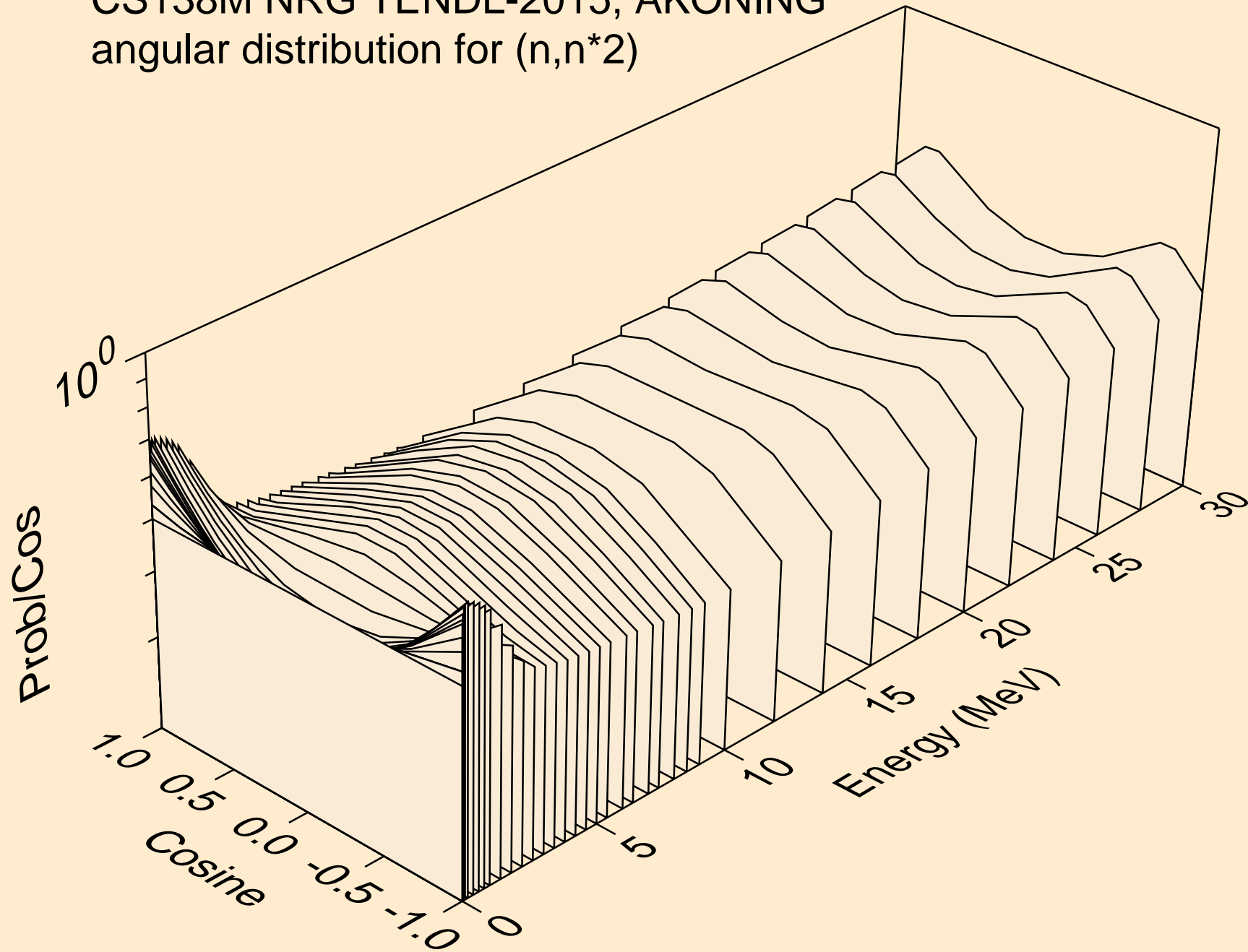


CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

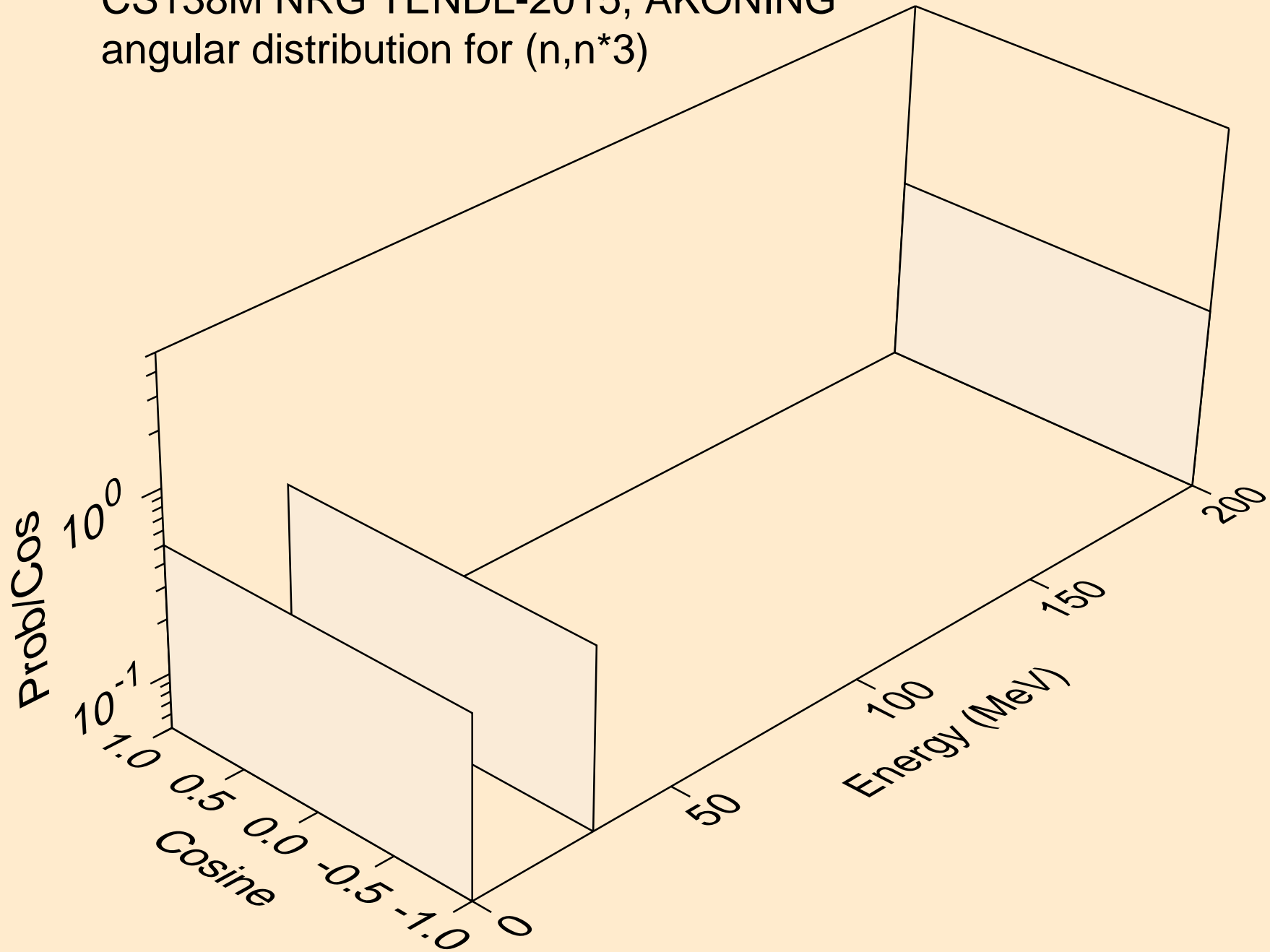




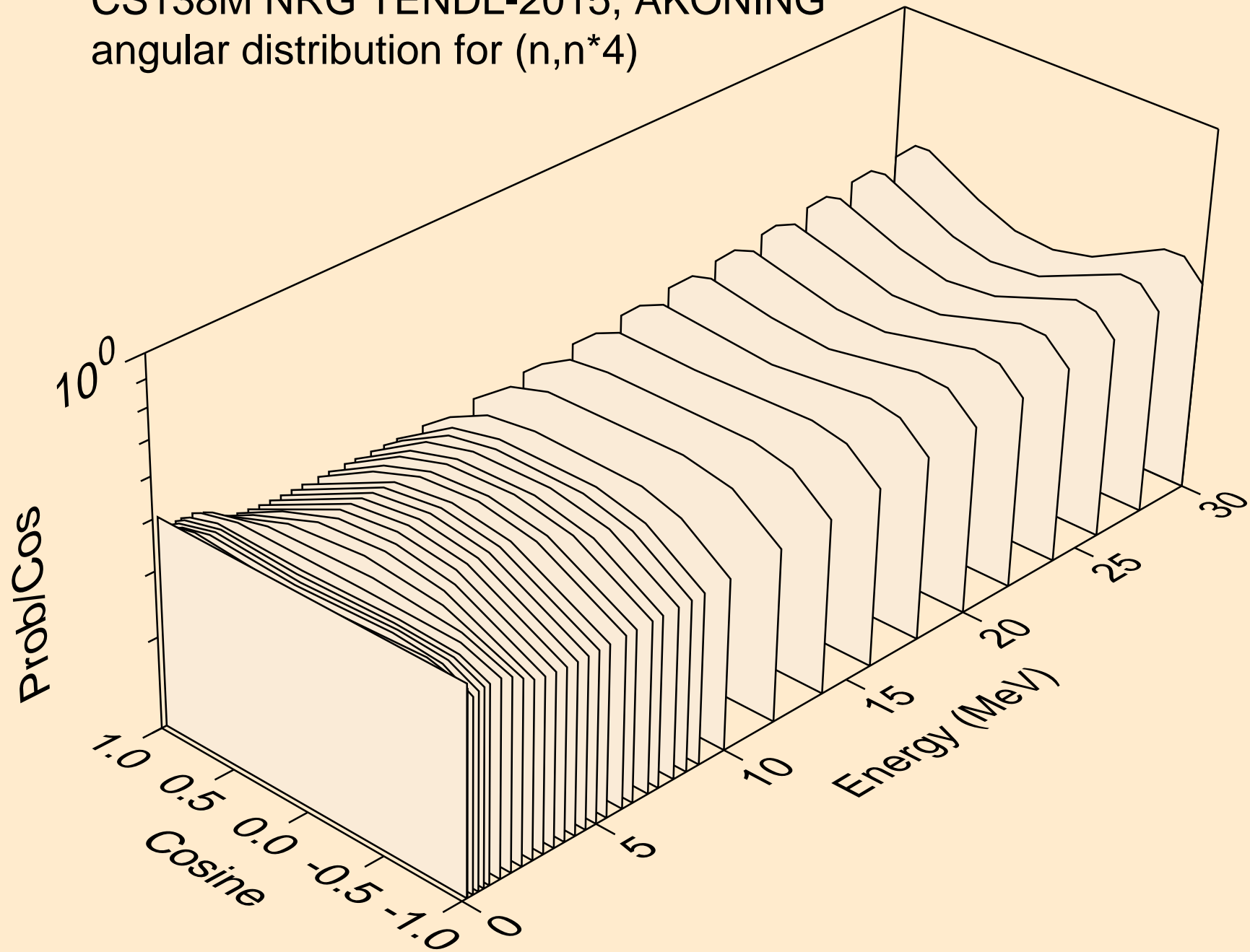
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



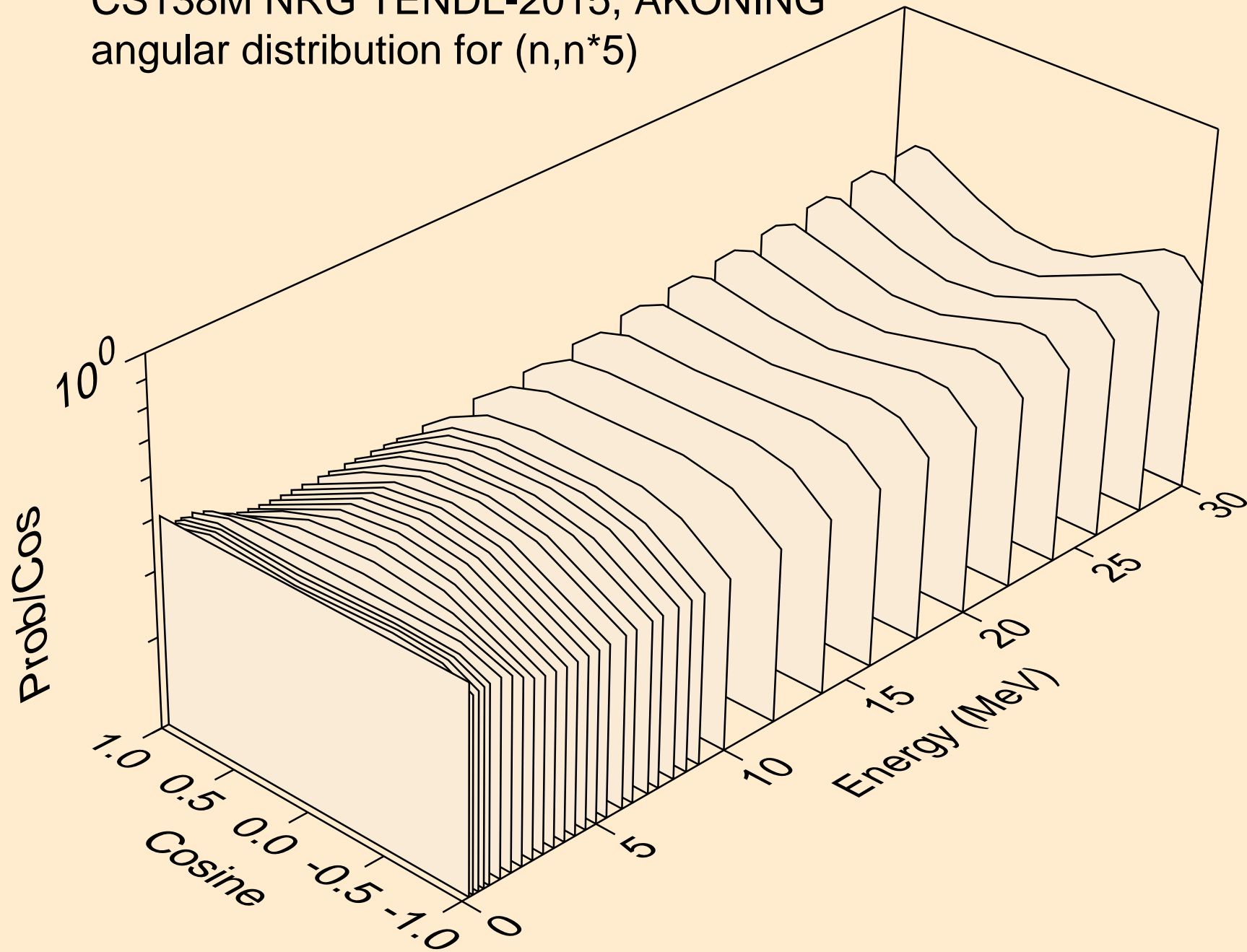
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



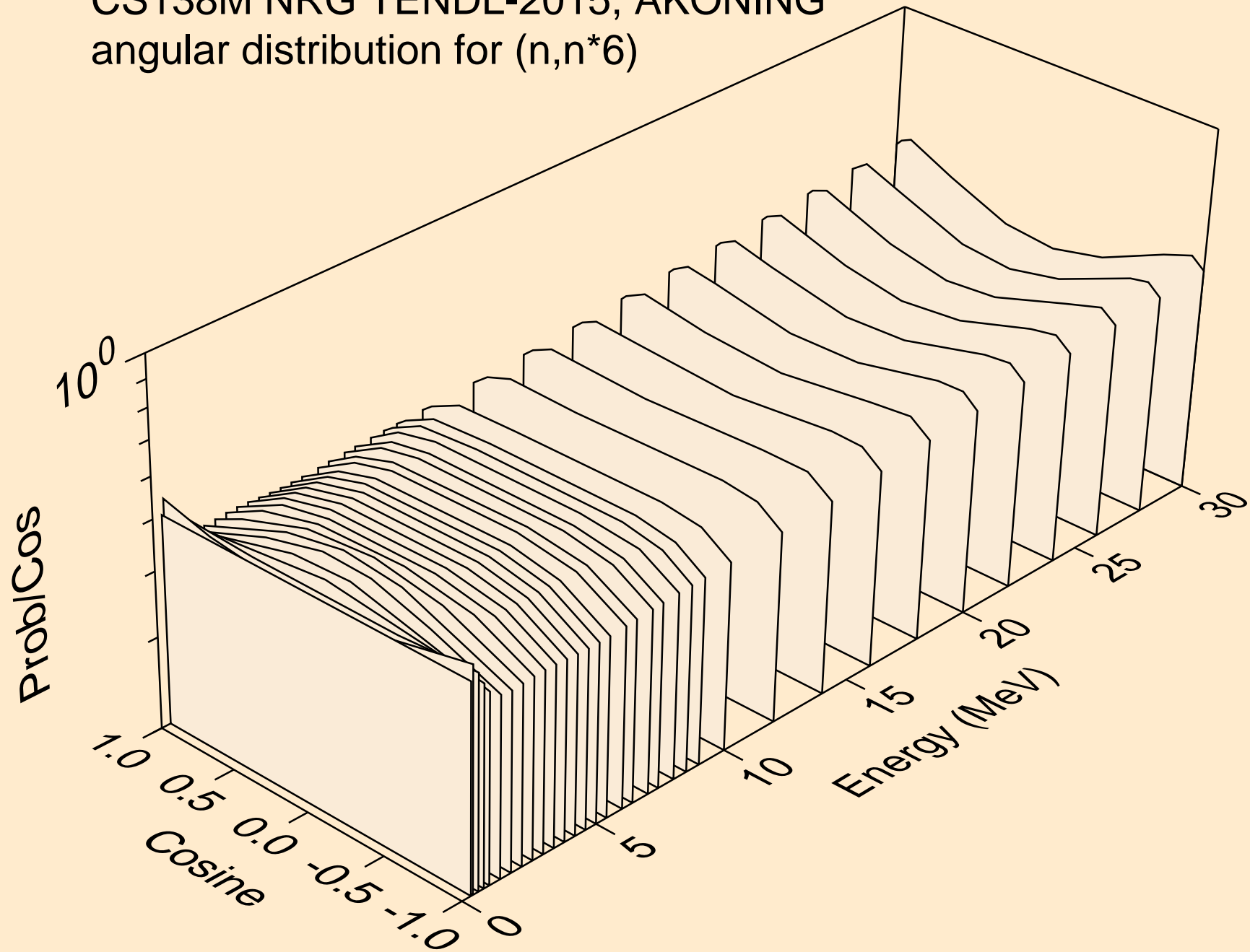
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



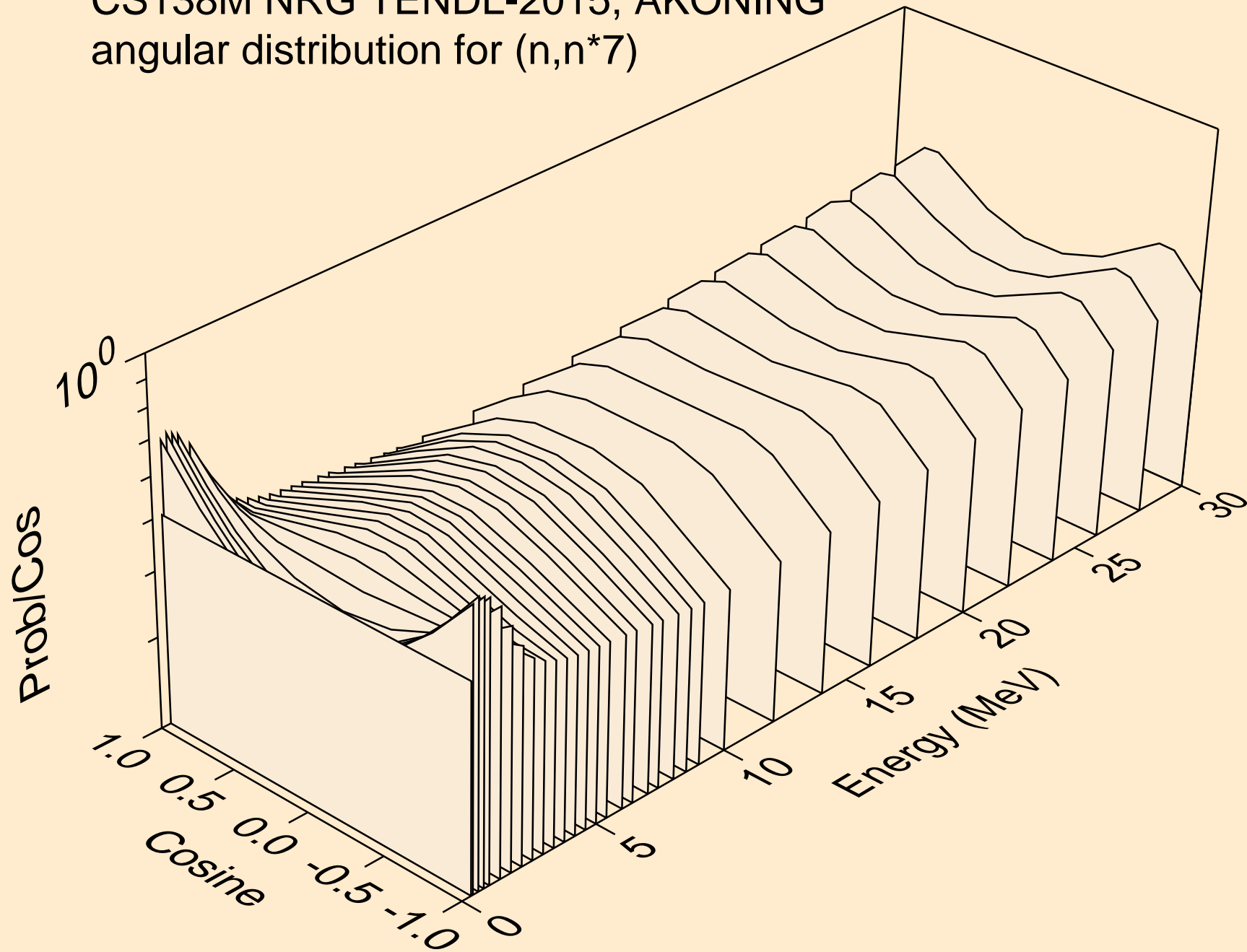
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



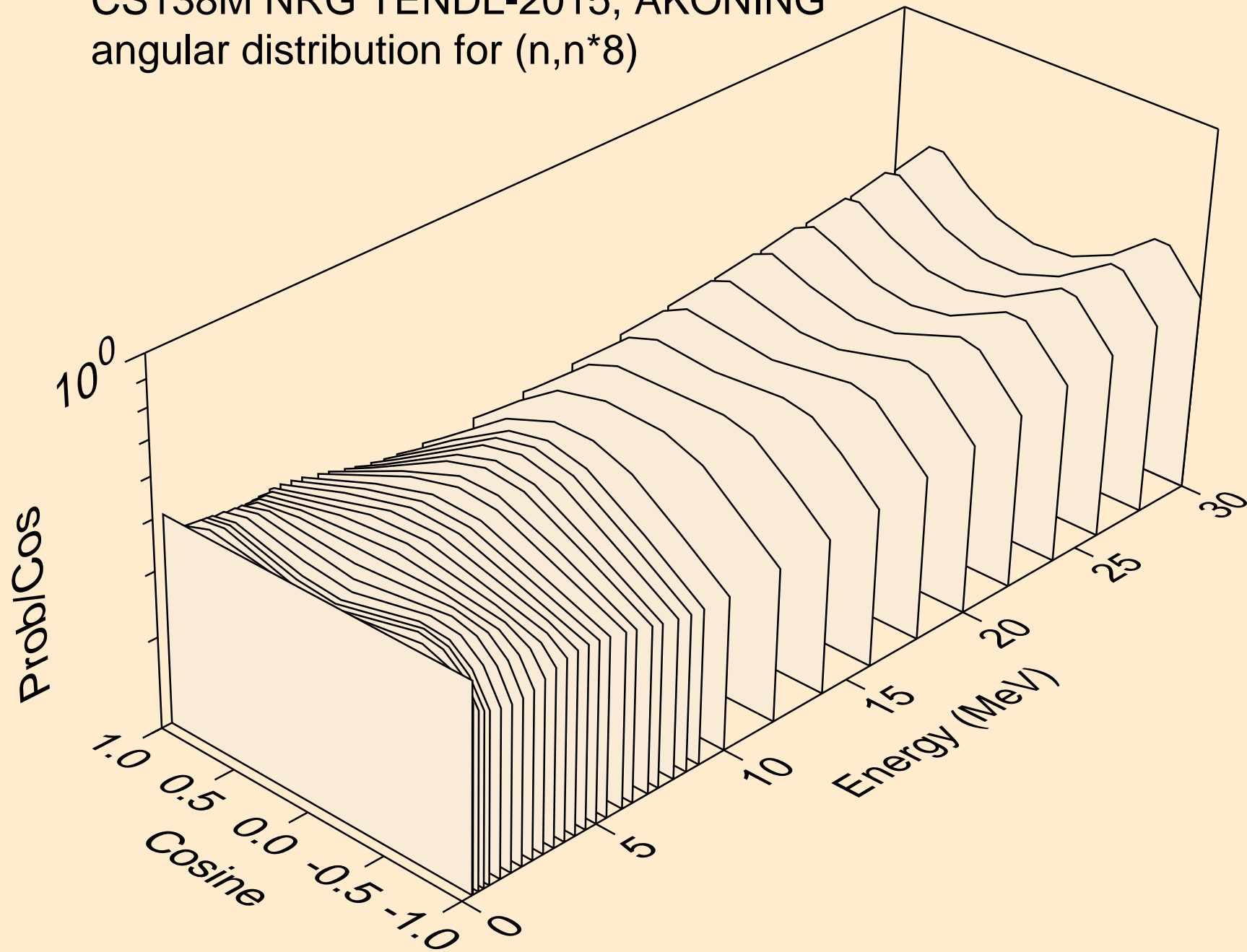
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



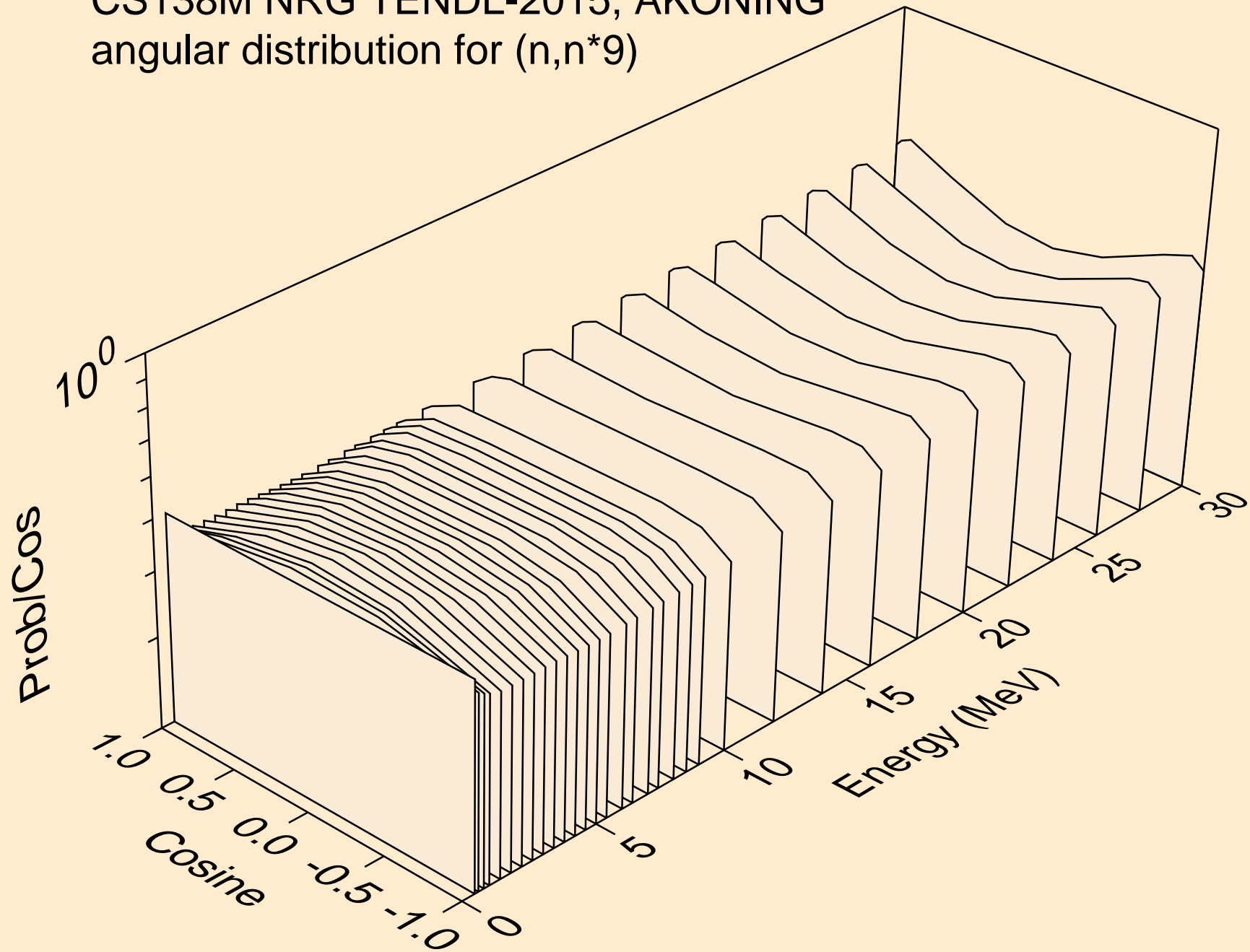
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

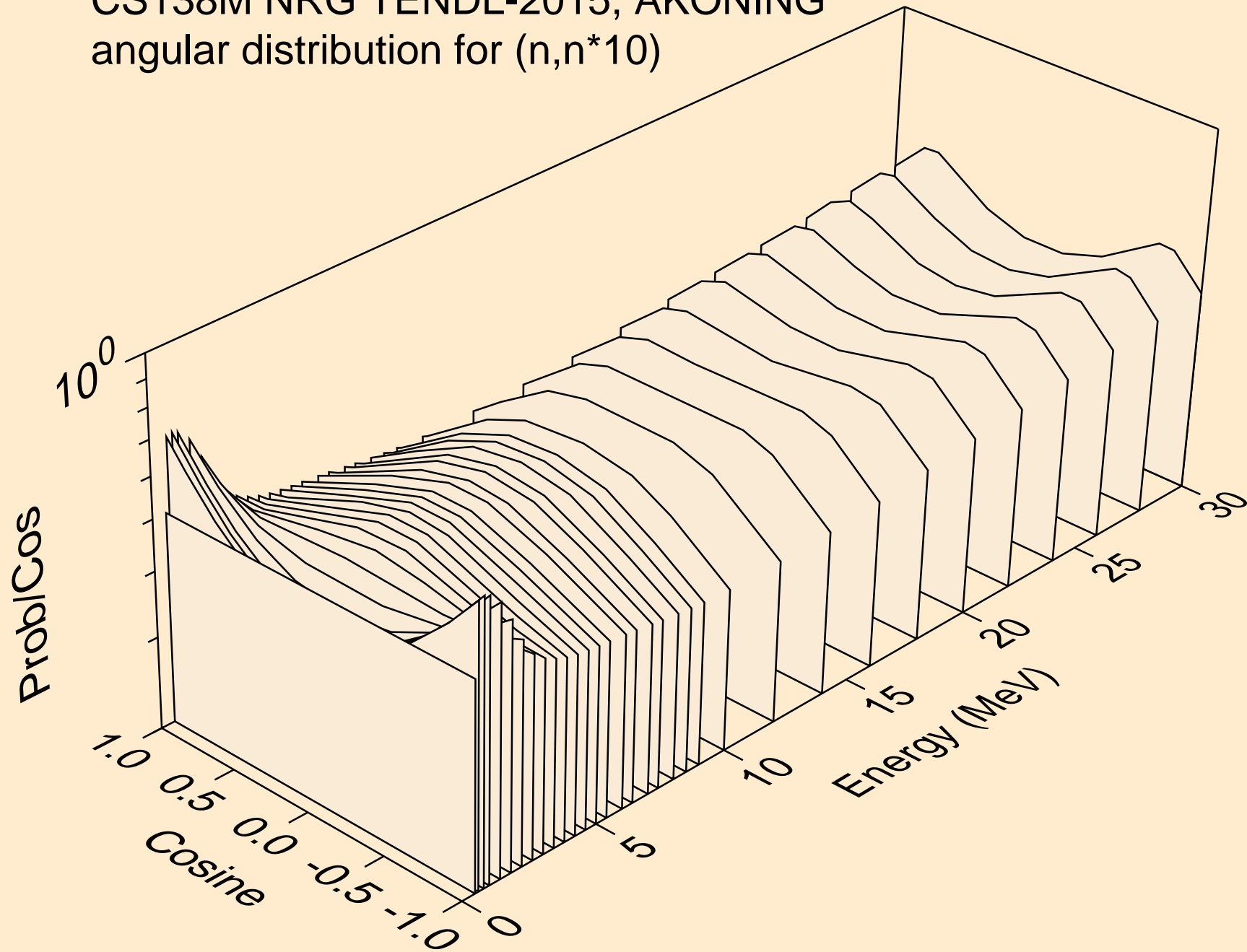


CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)

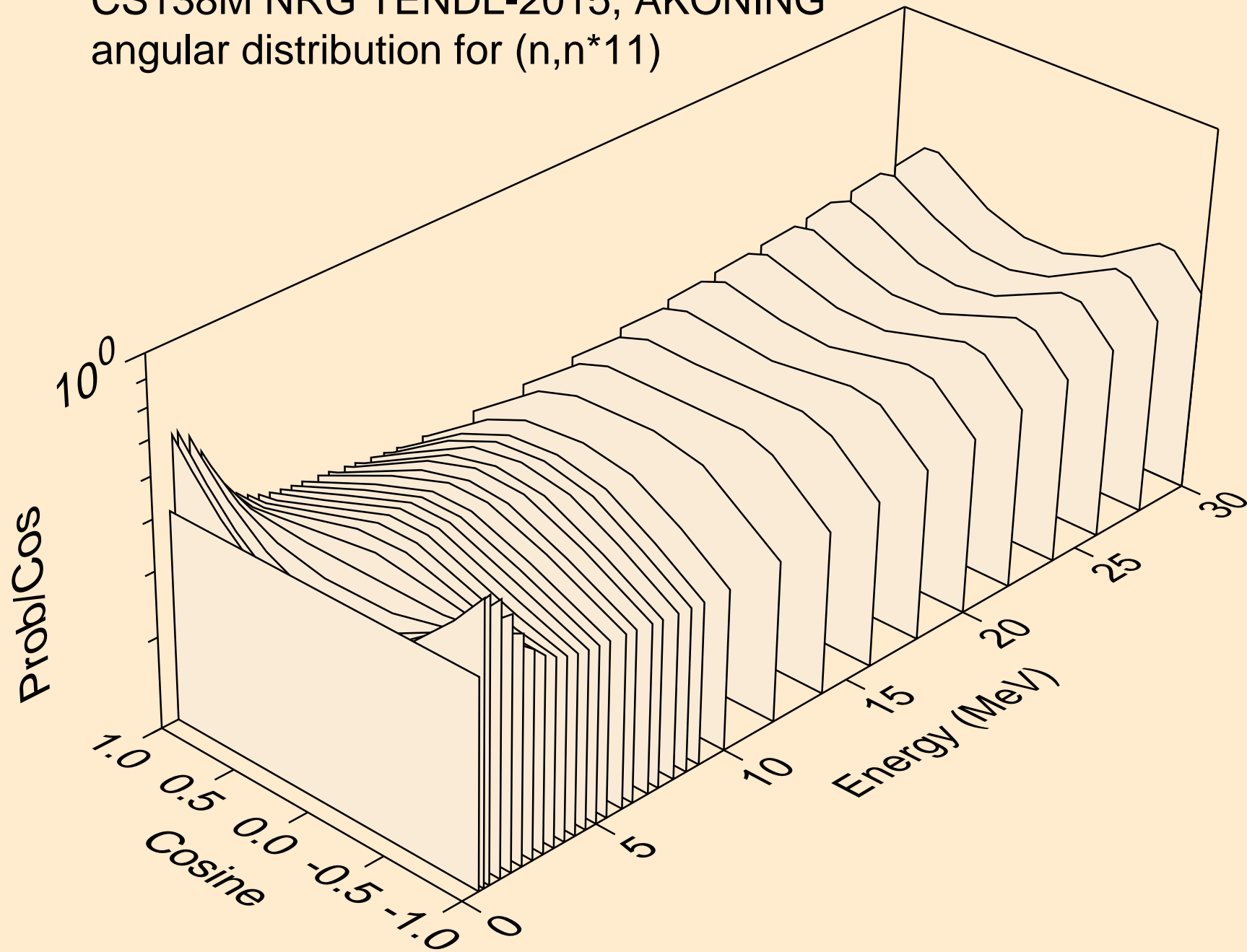




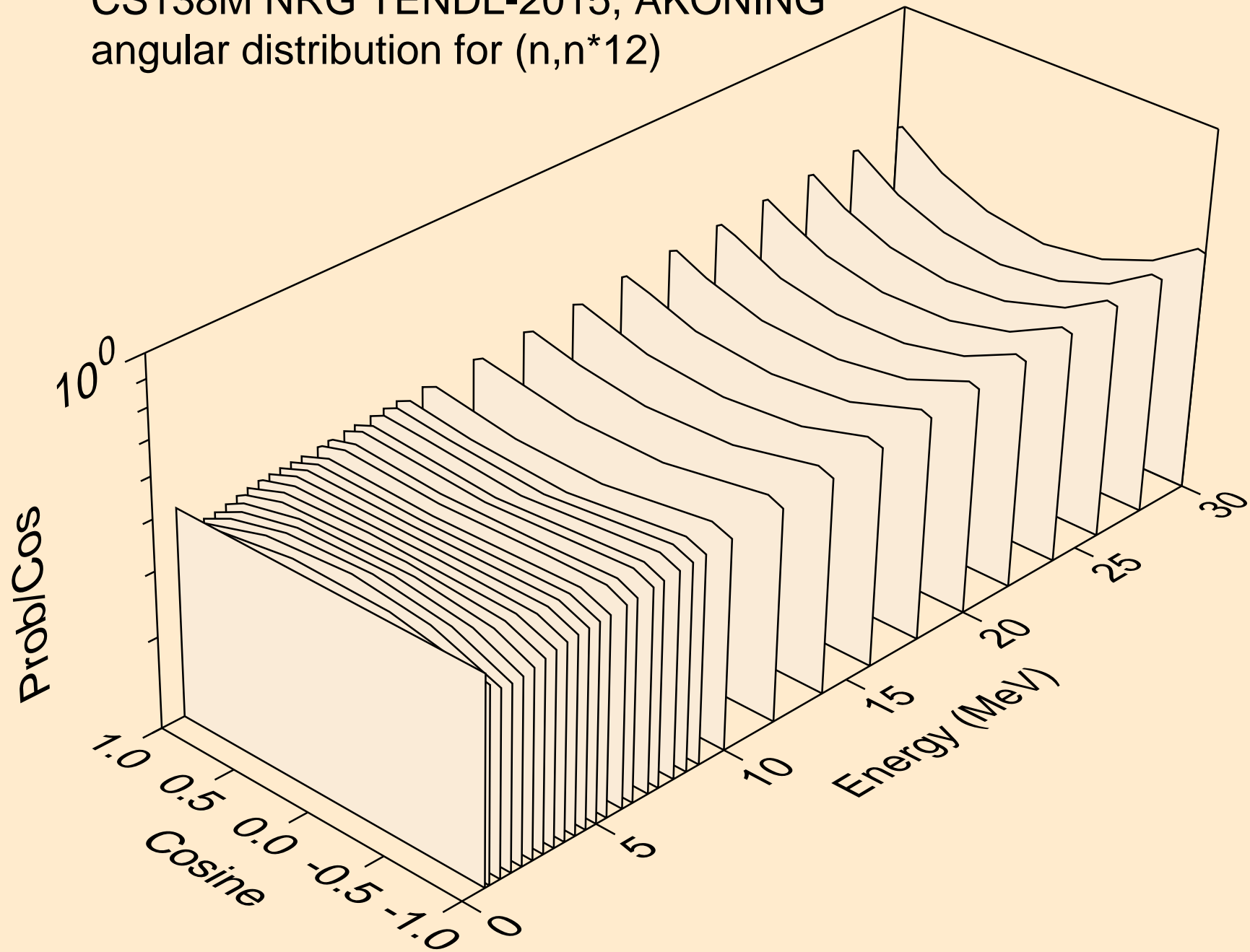
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angular distribution for (n,n\*10)



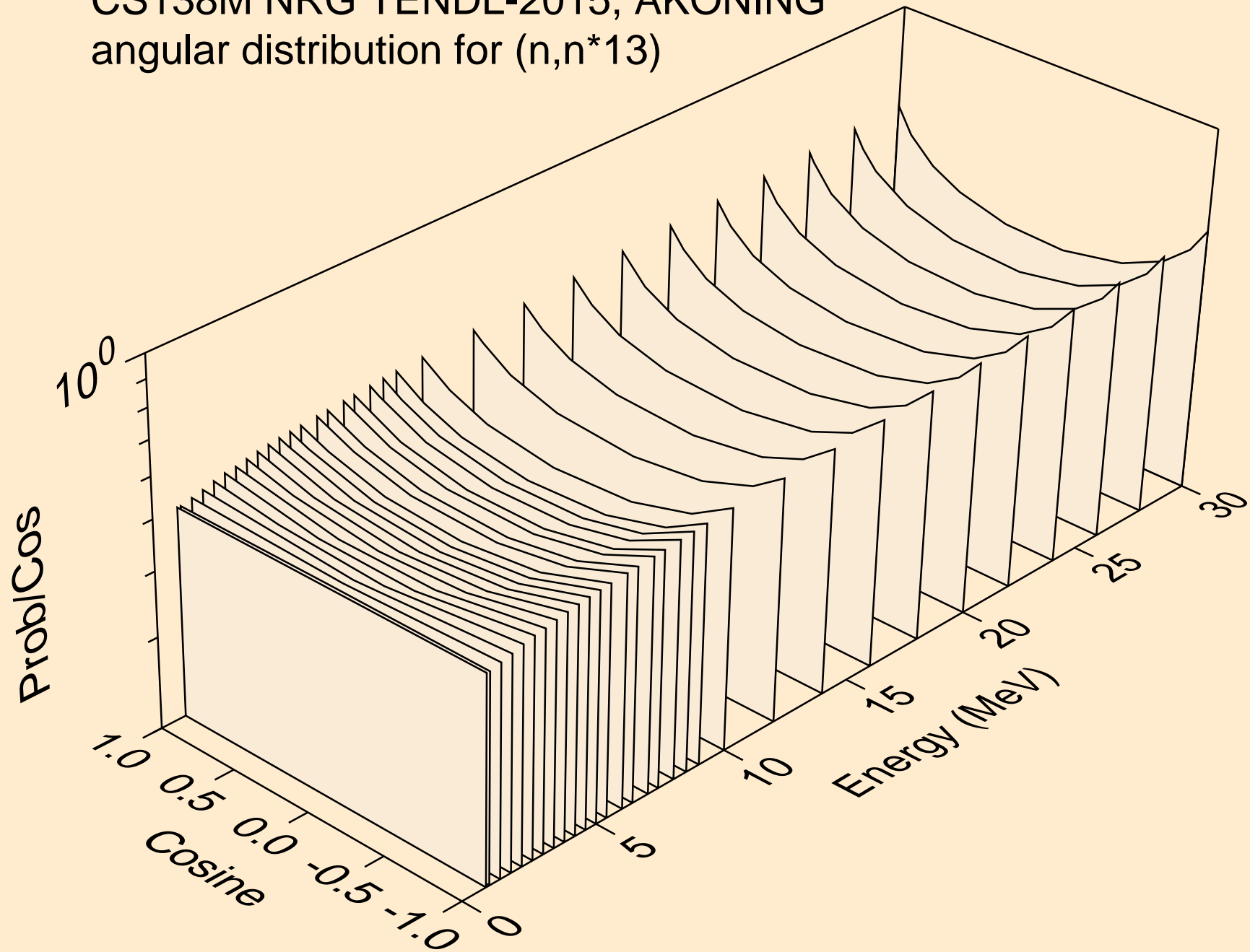
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angular distribution for (n,n\*11)



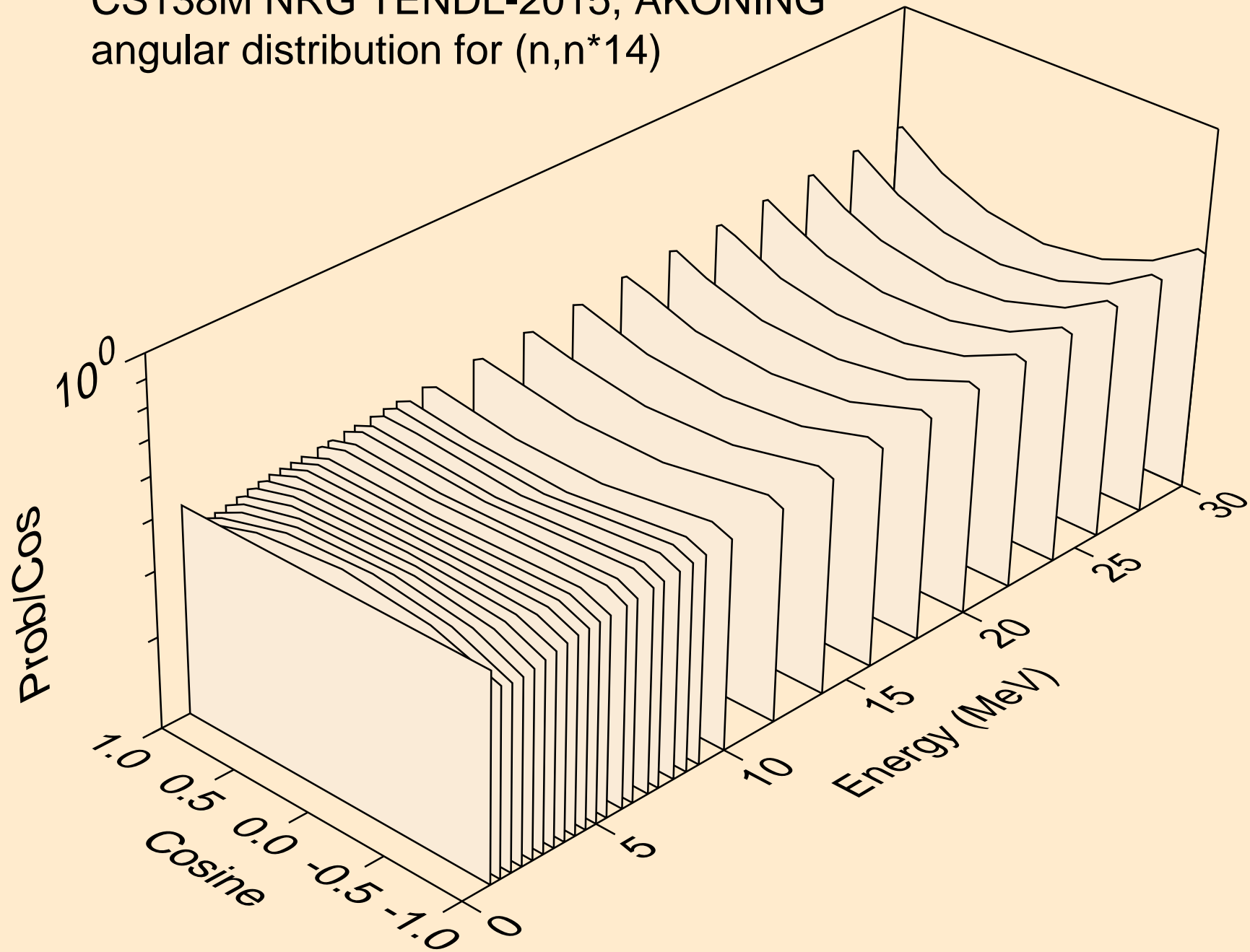
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



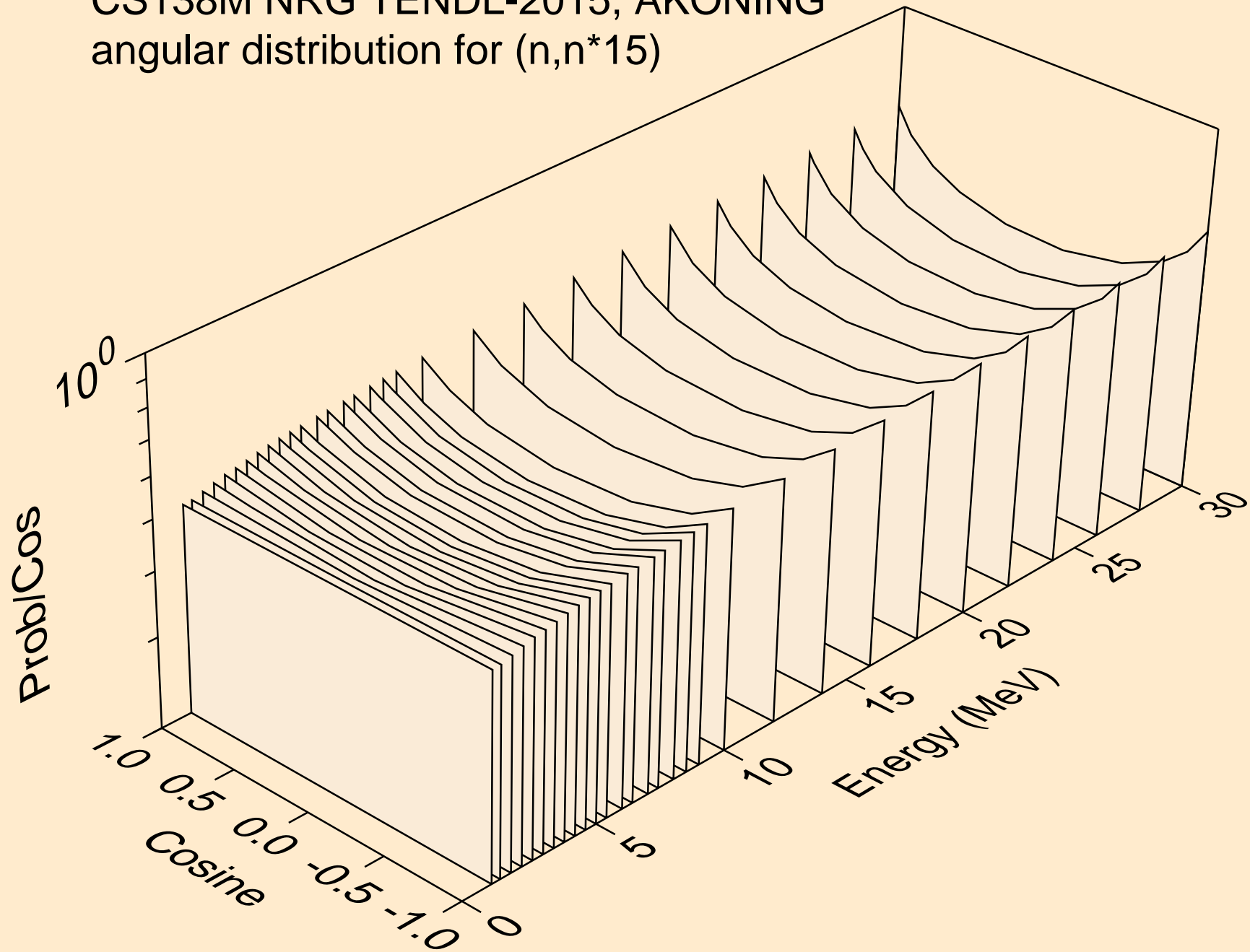
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



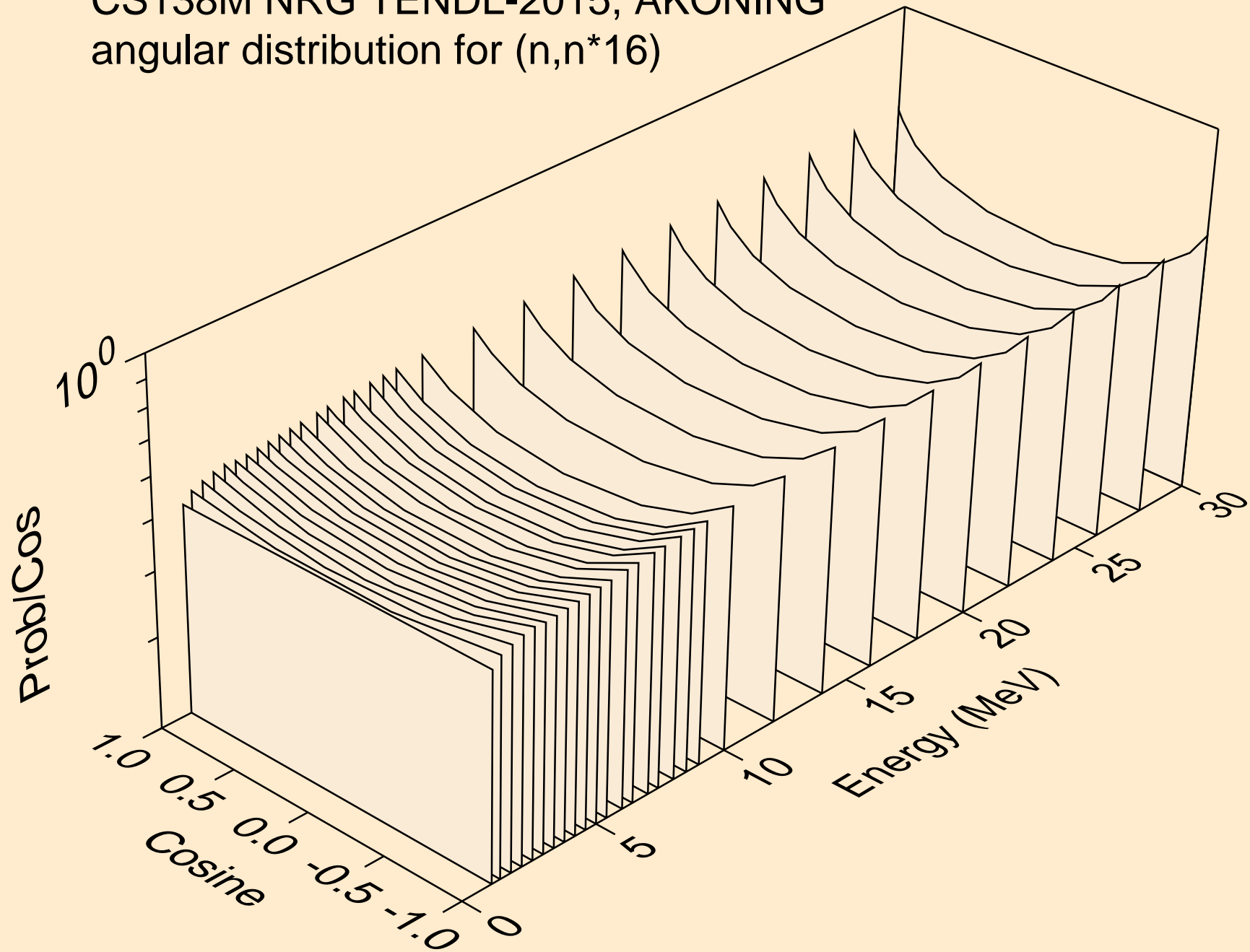
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



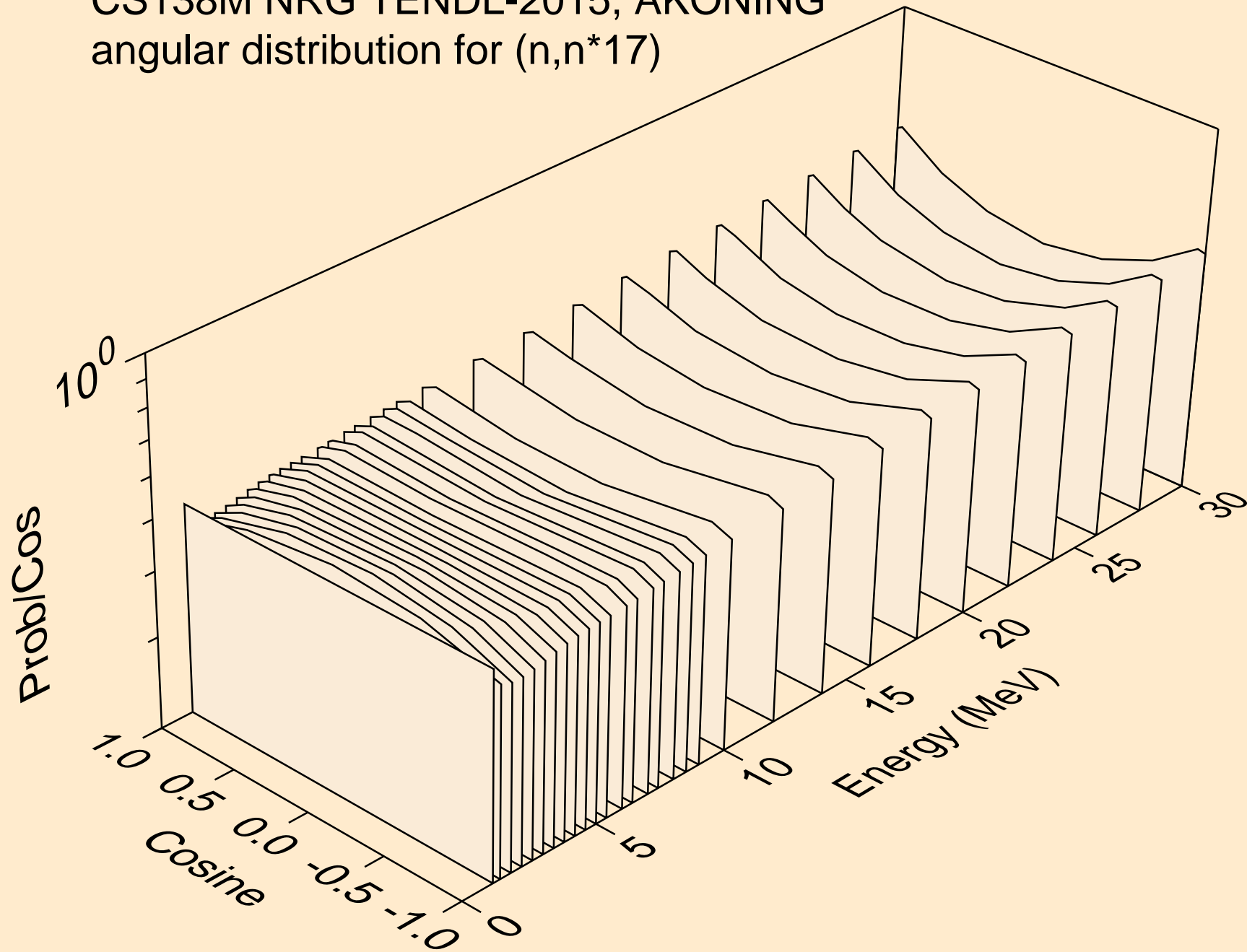
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

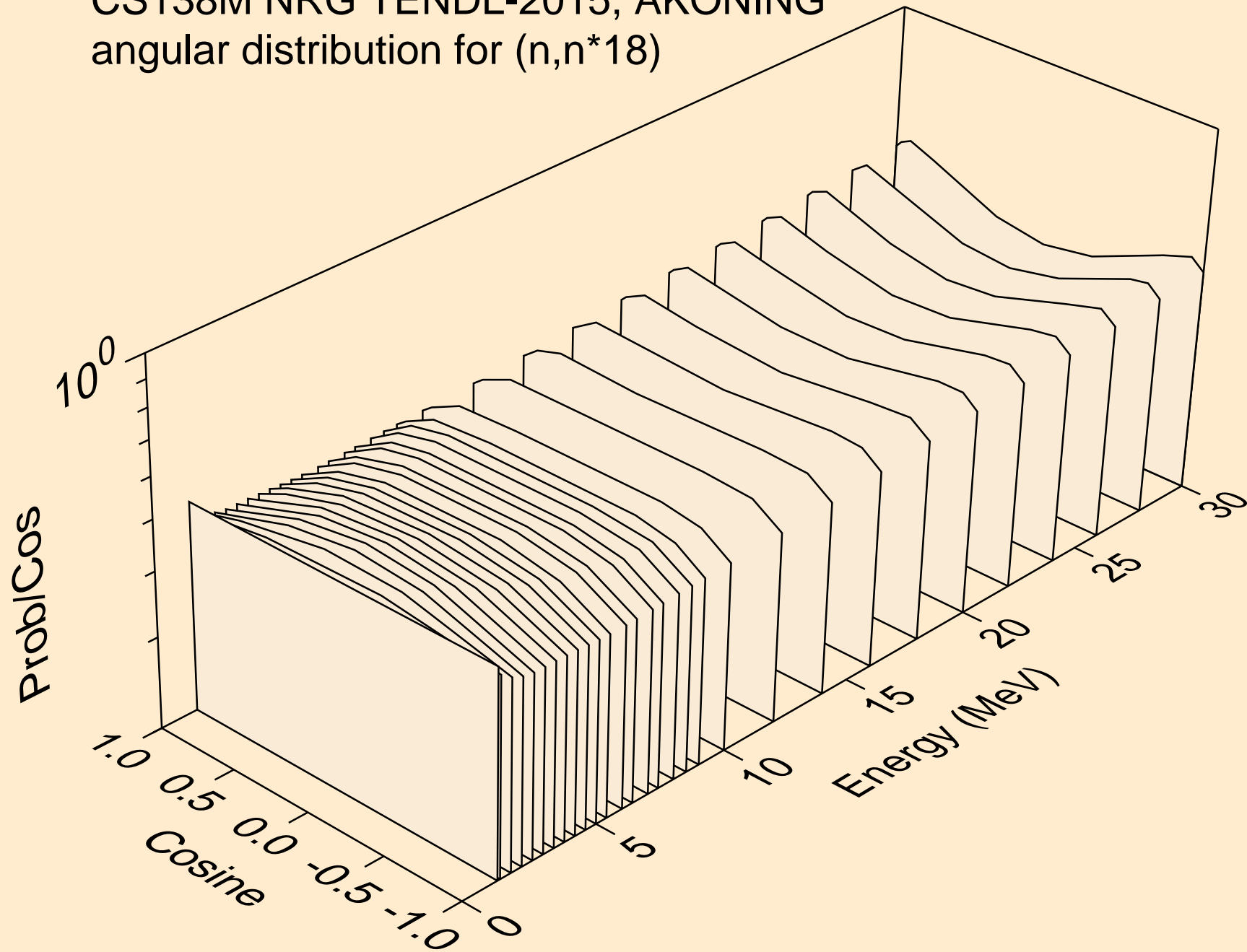


CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)

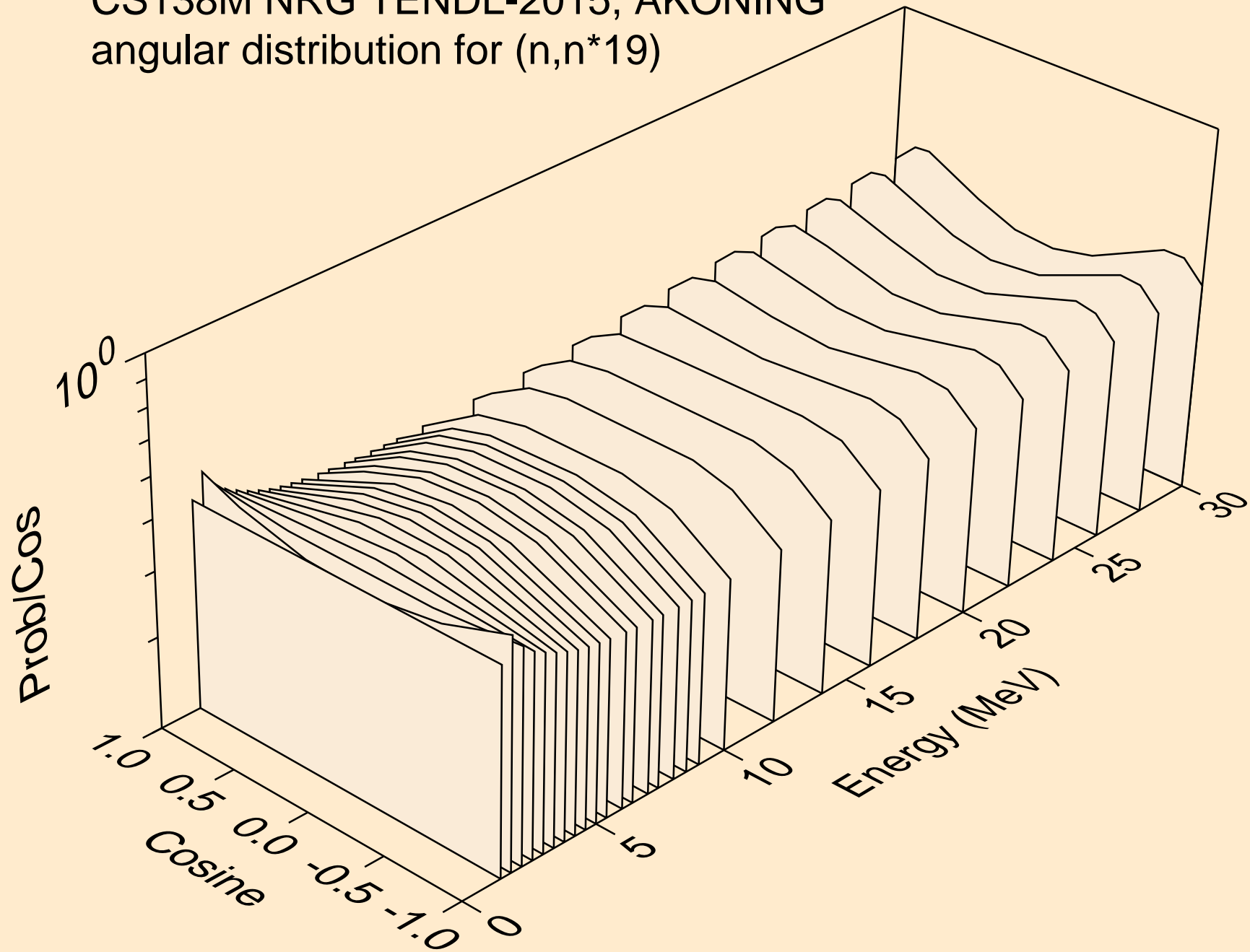




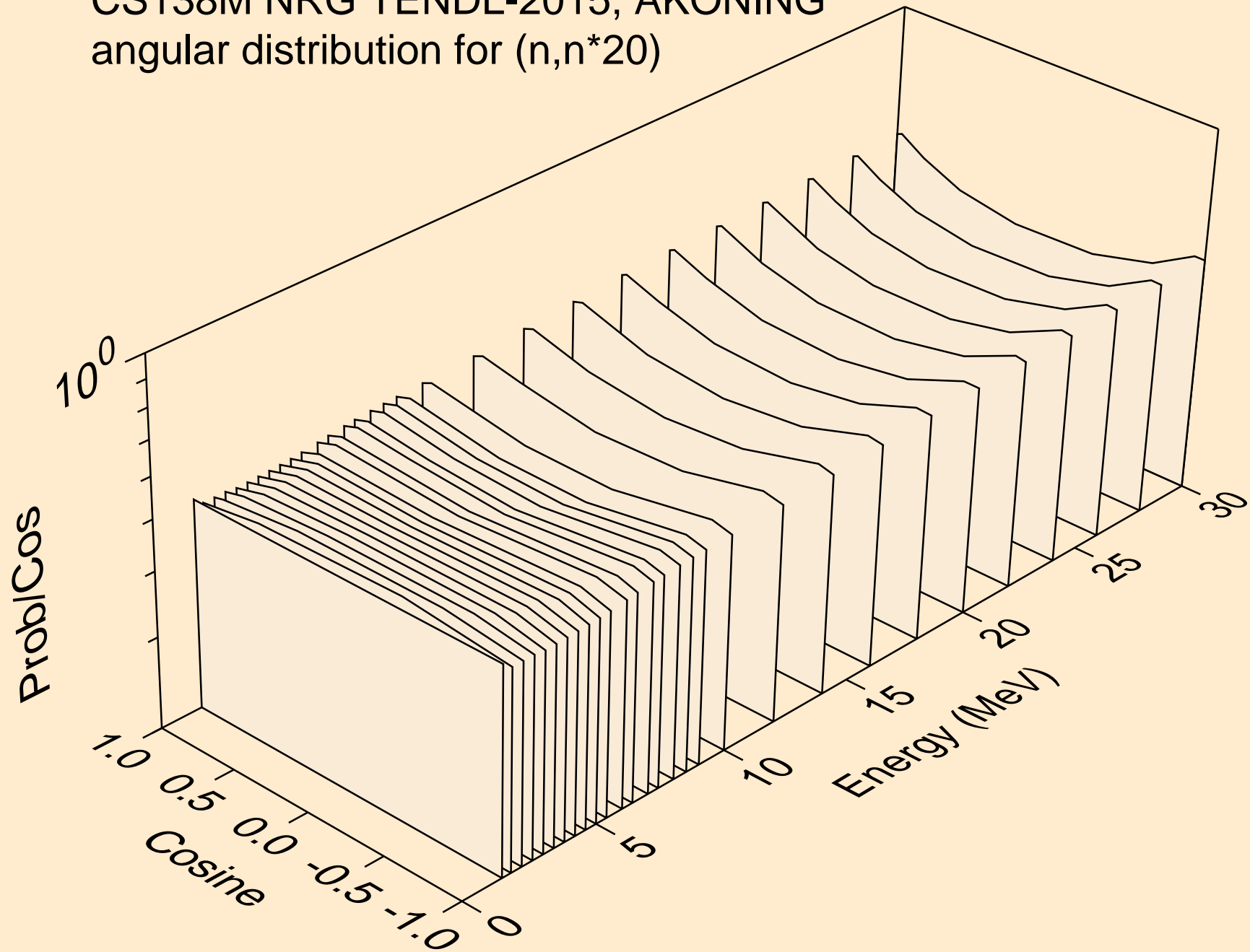
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



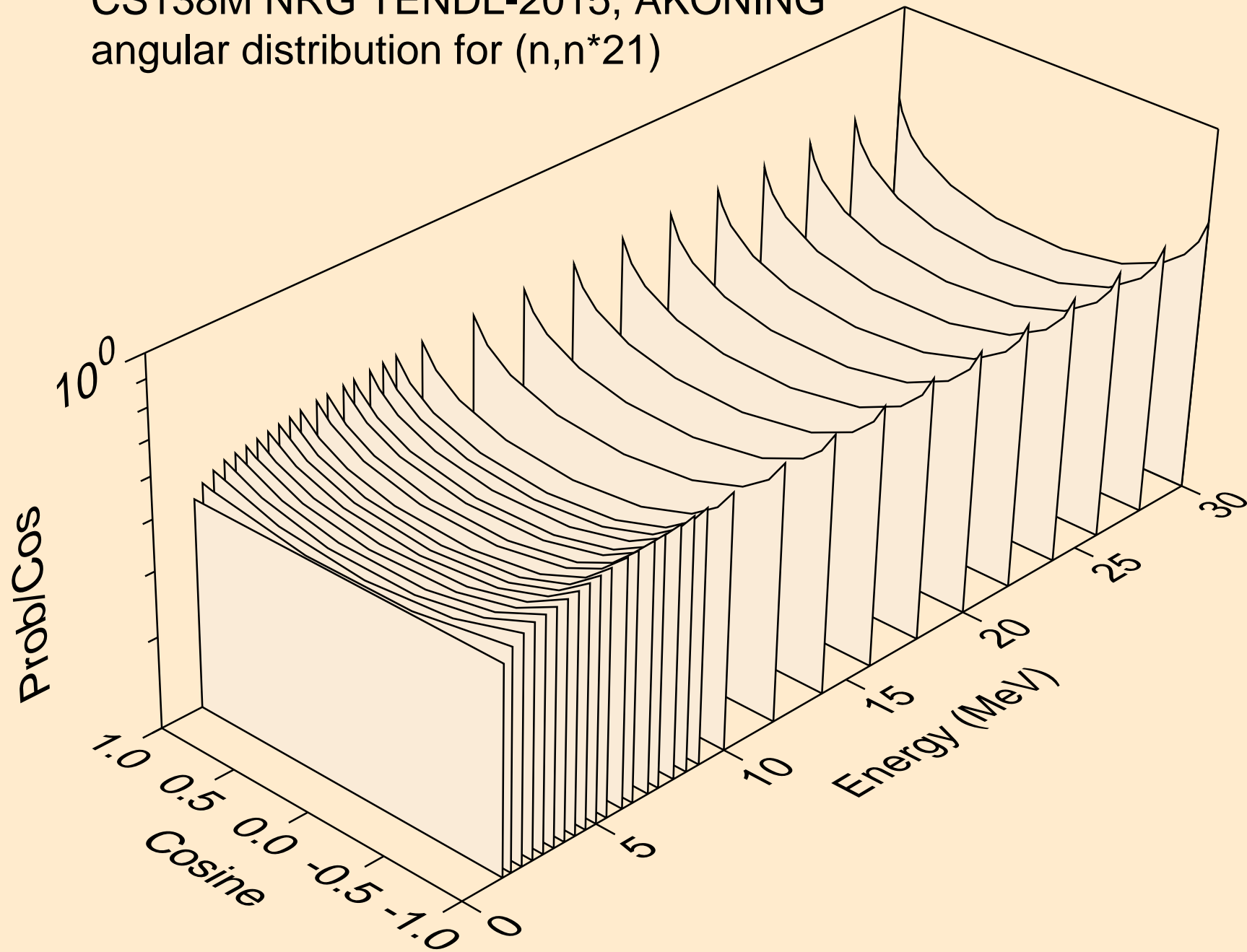
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angular distribution for (n,n\*19)



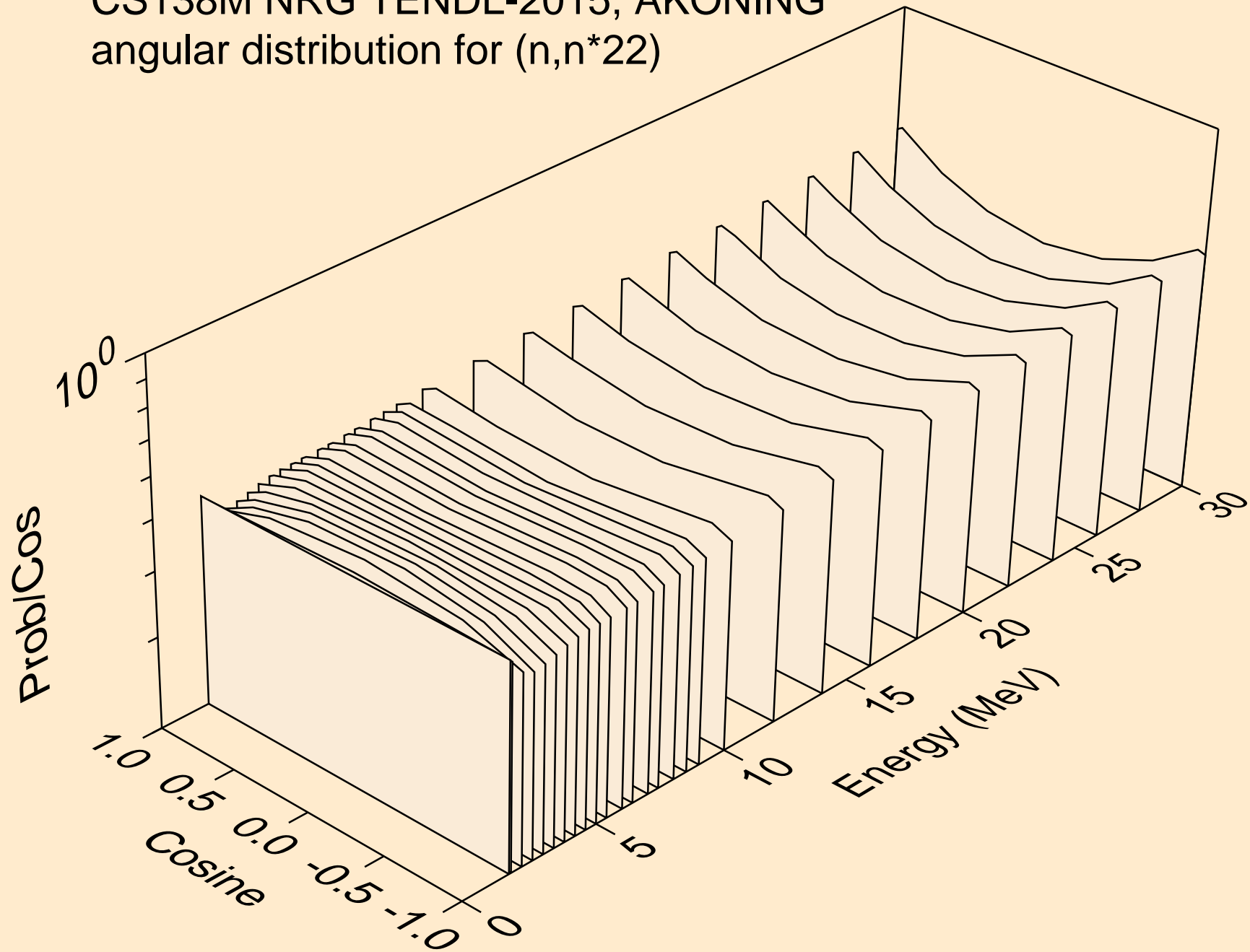
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



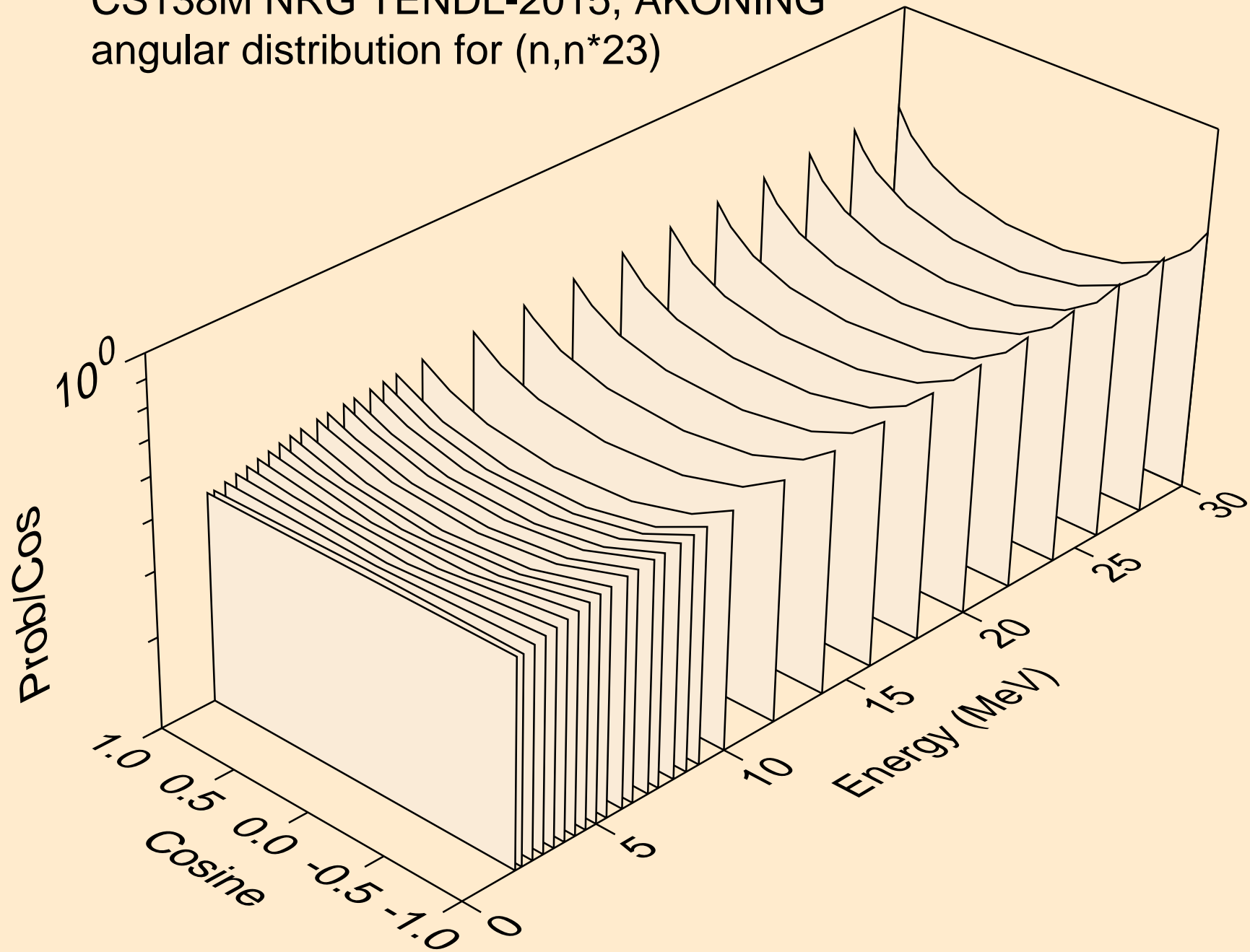
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



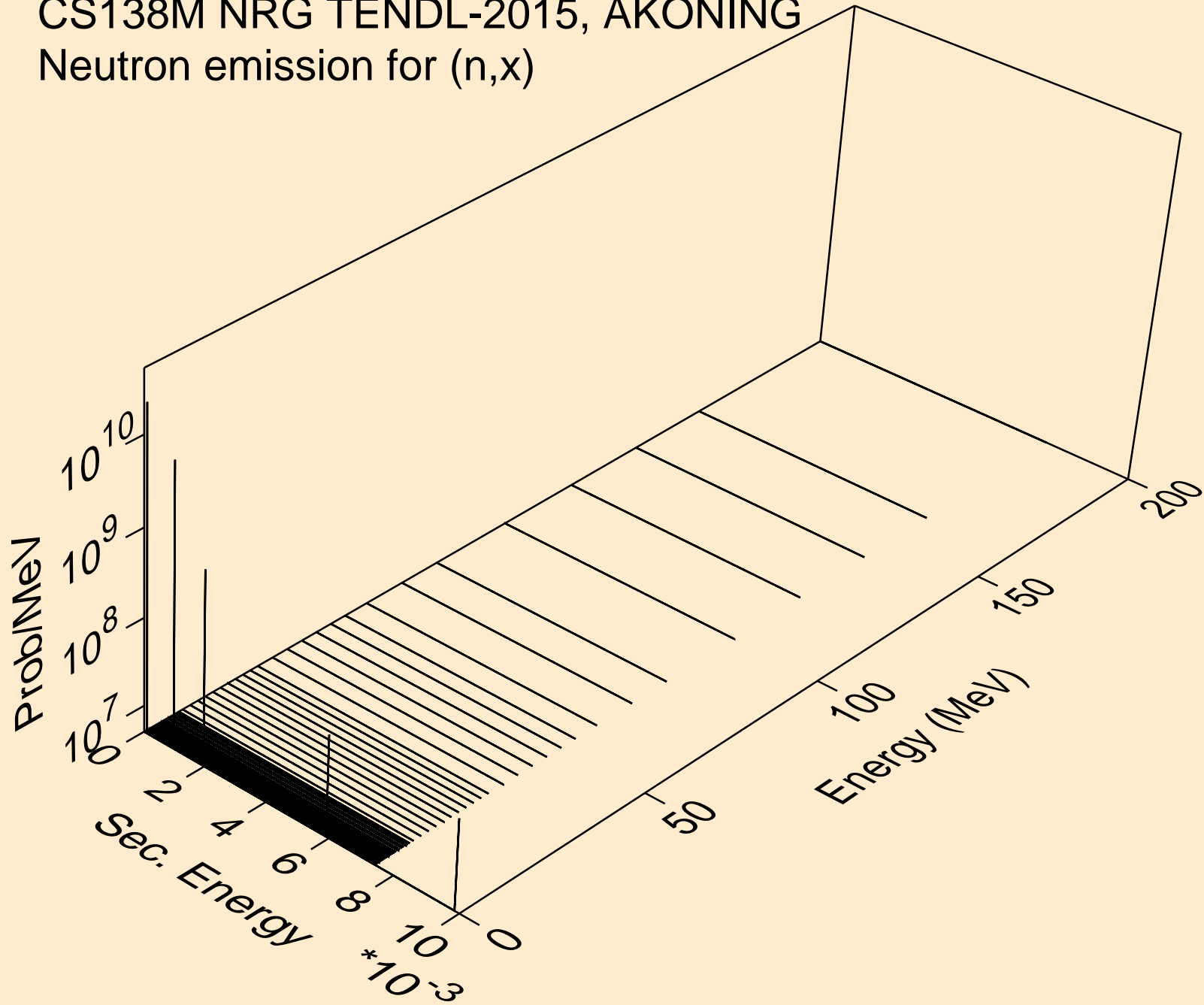
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angular distribution for (n,n\*22)



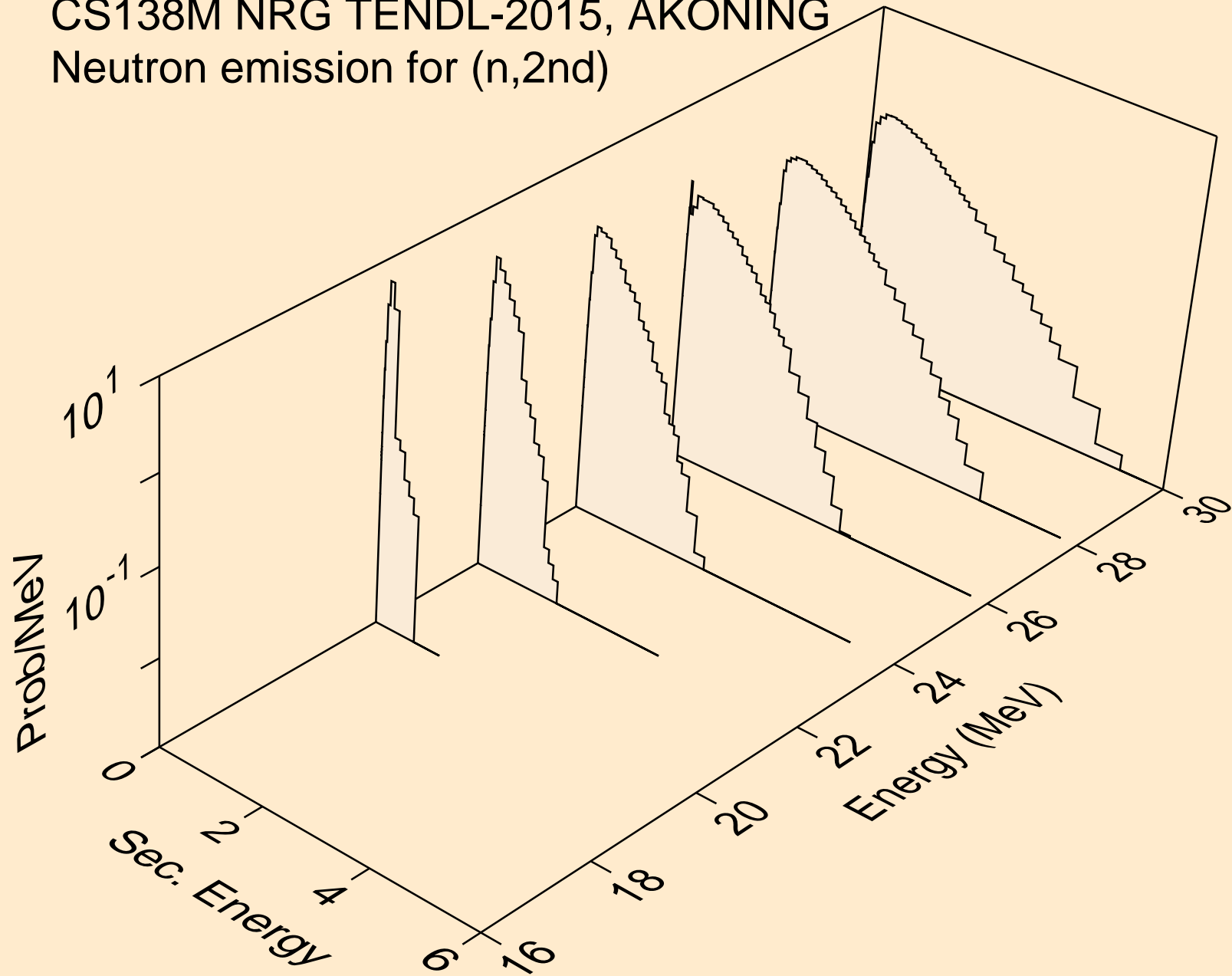
CS138M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

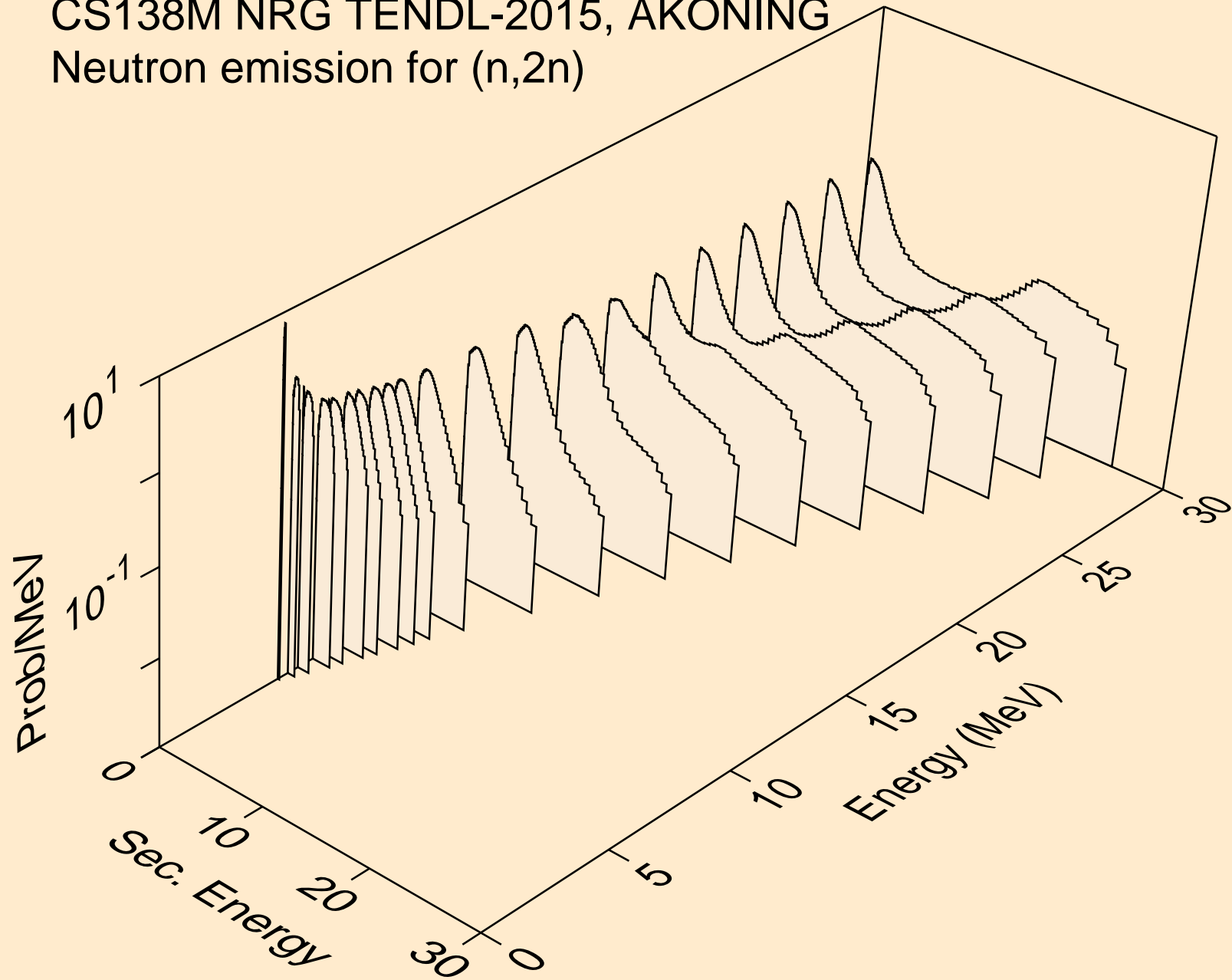


CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

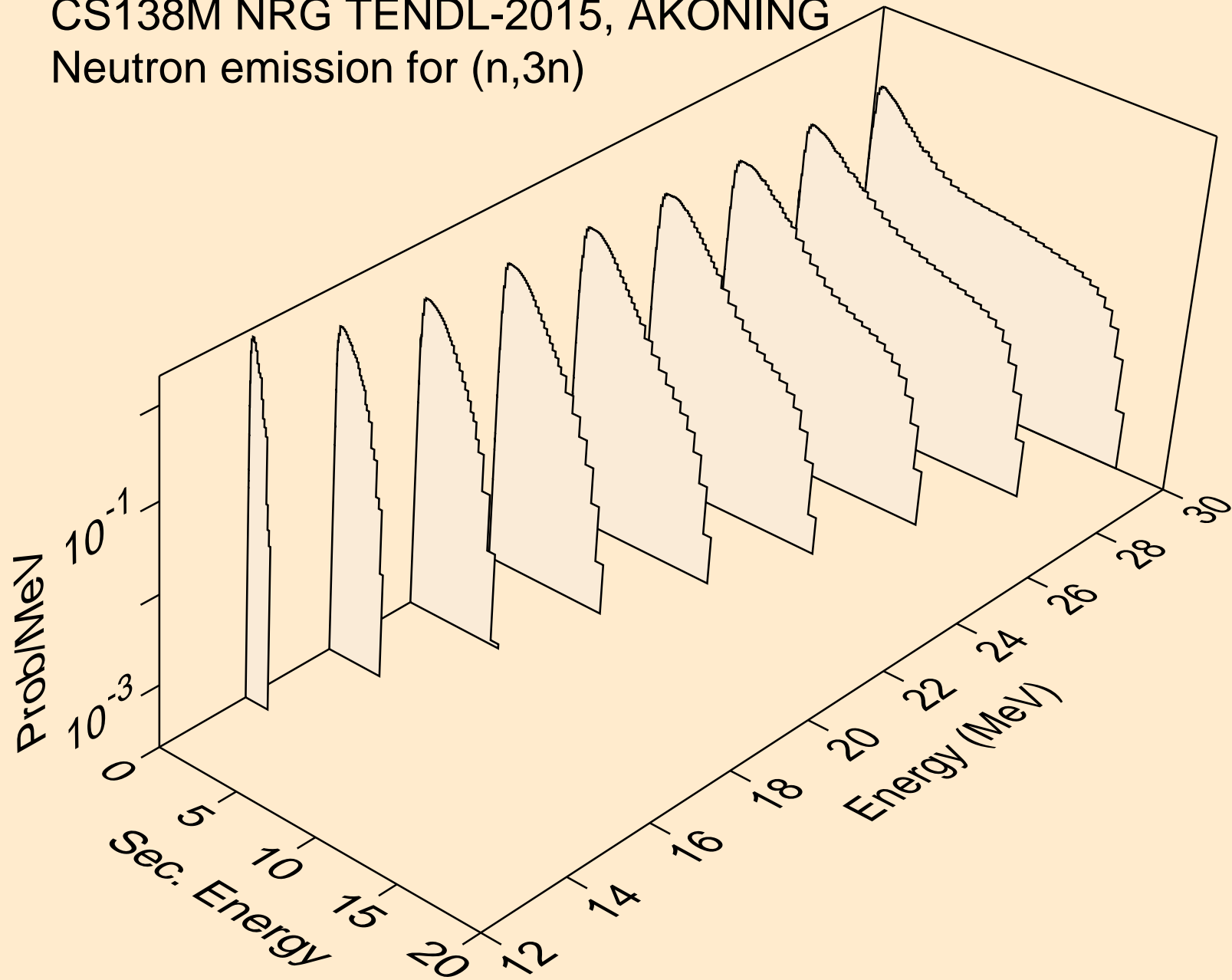




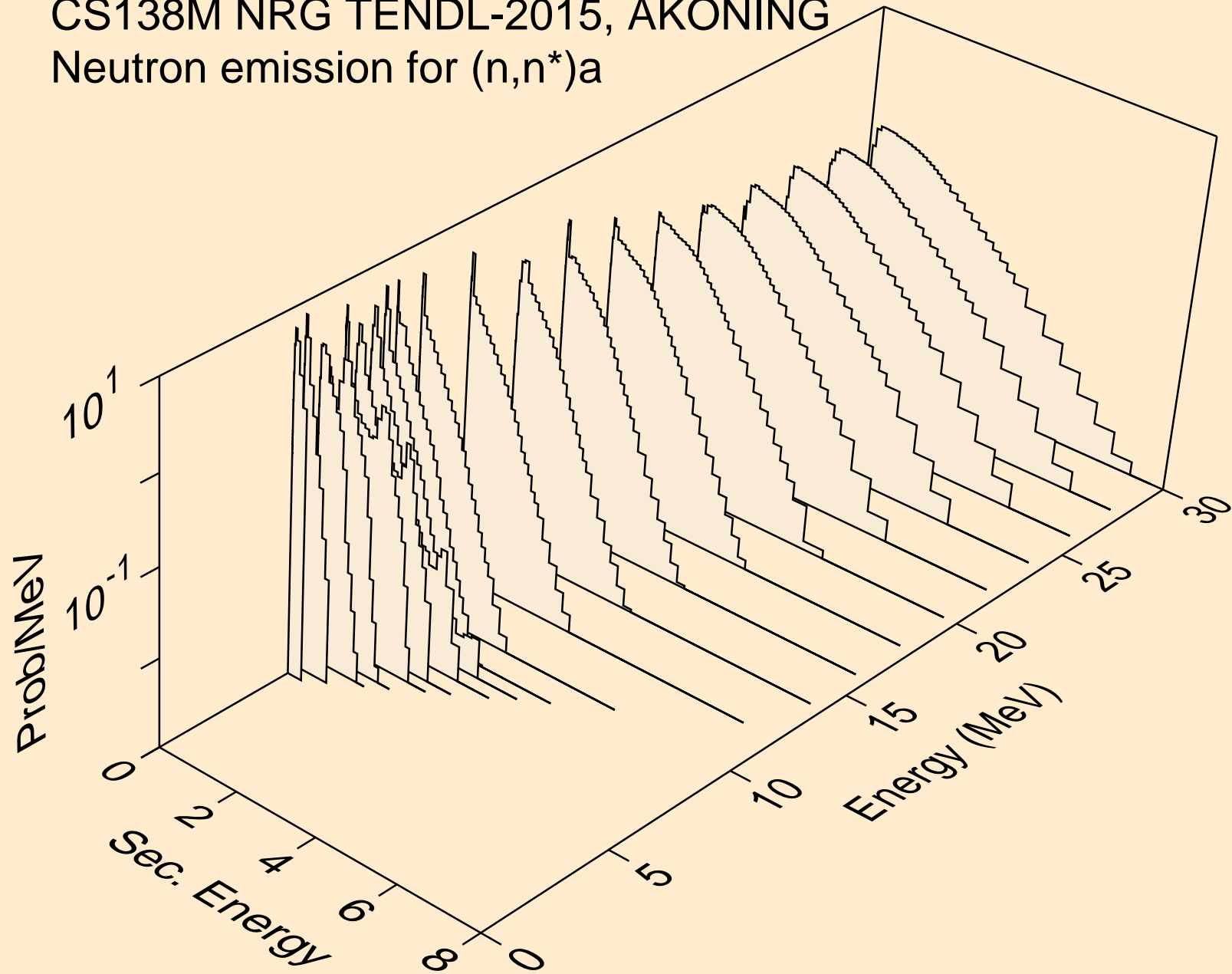
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



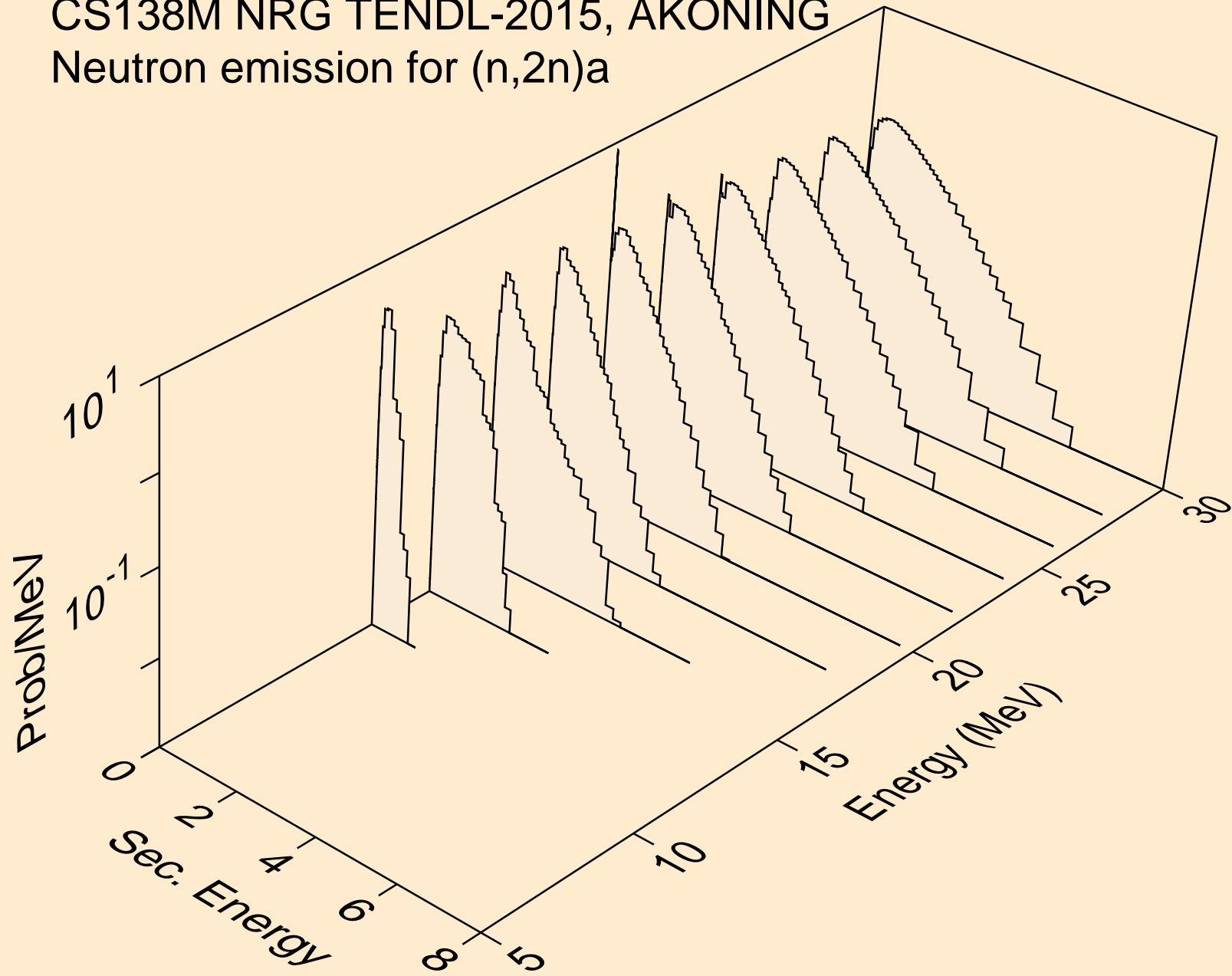
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



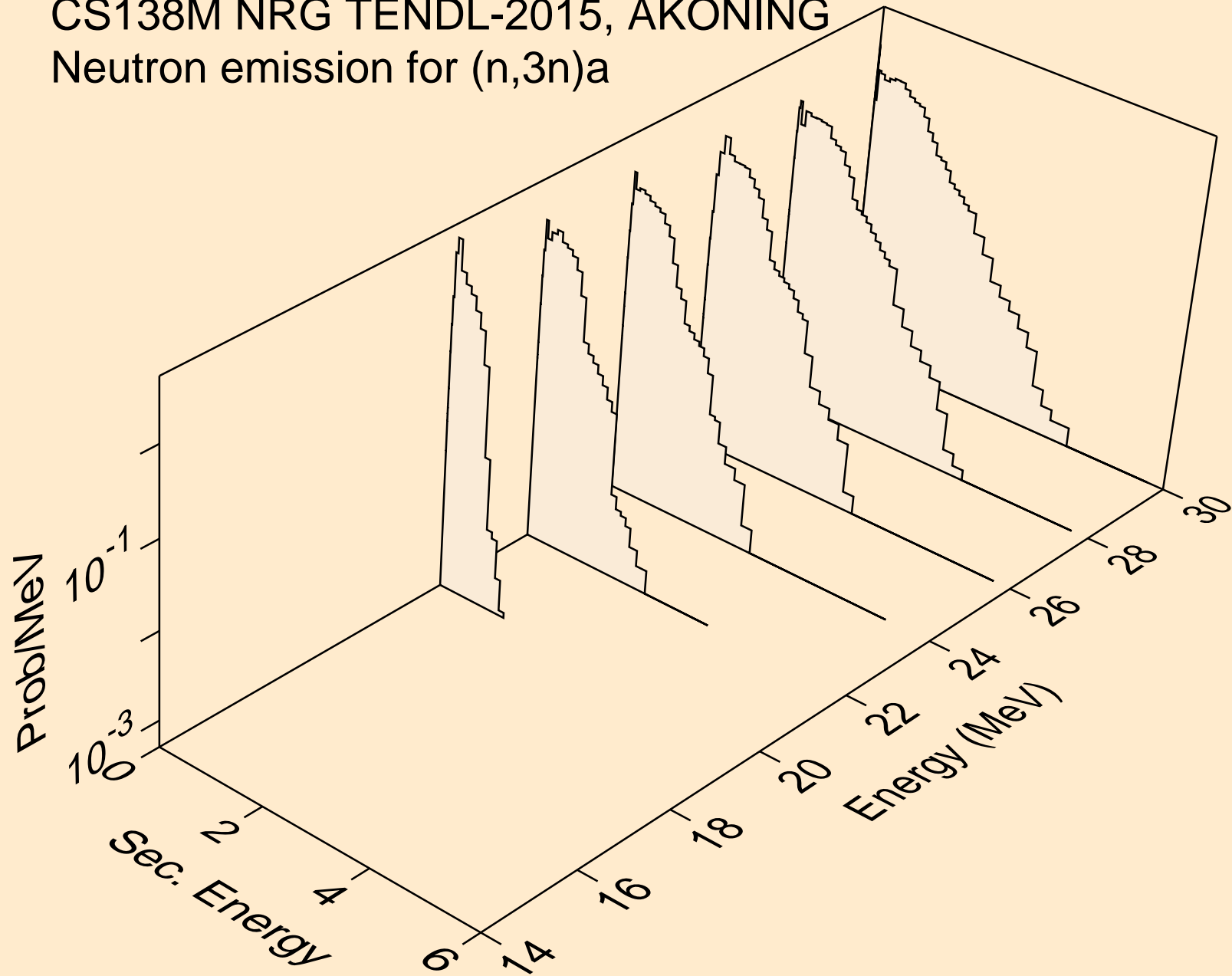
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



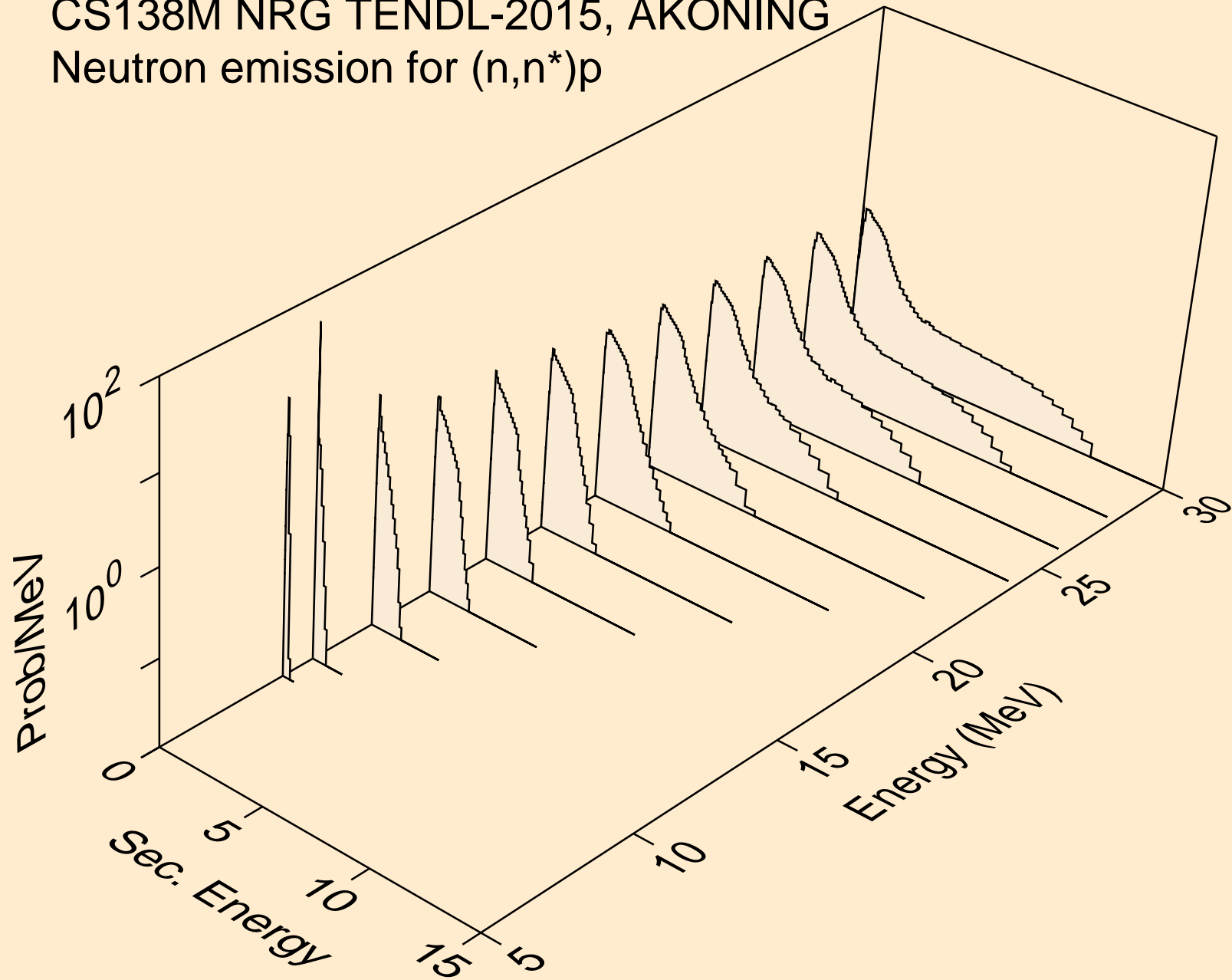
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>a</sub>



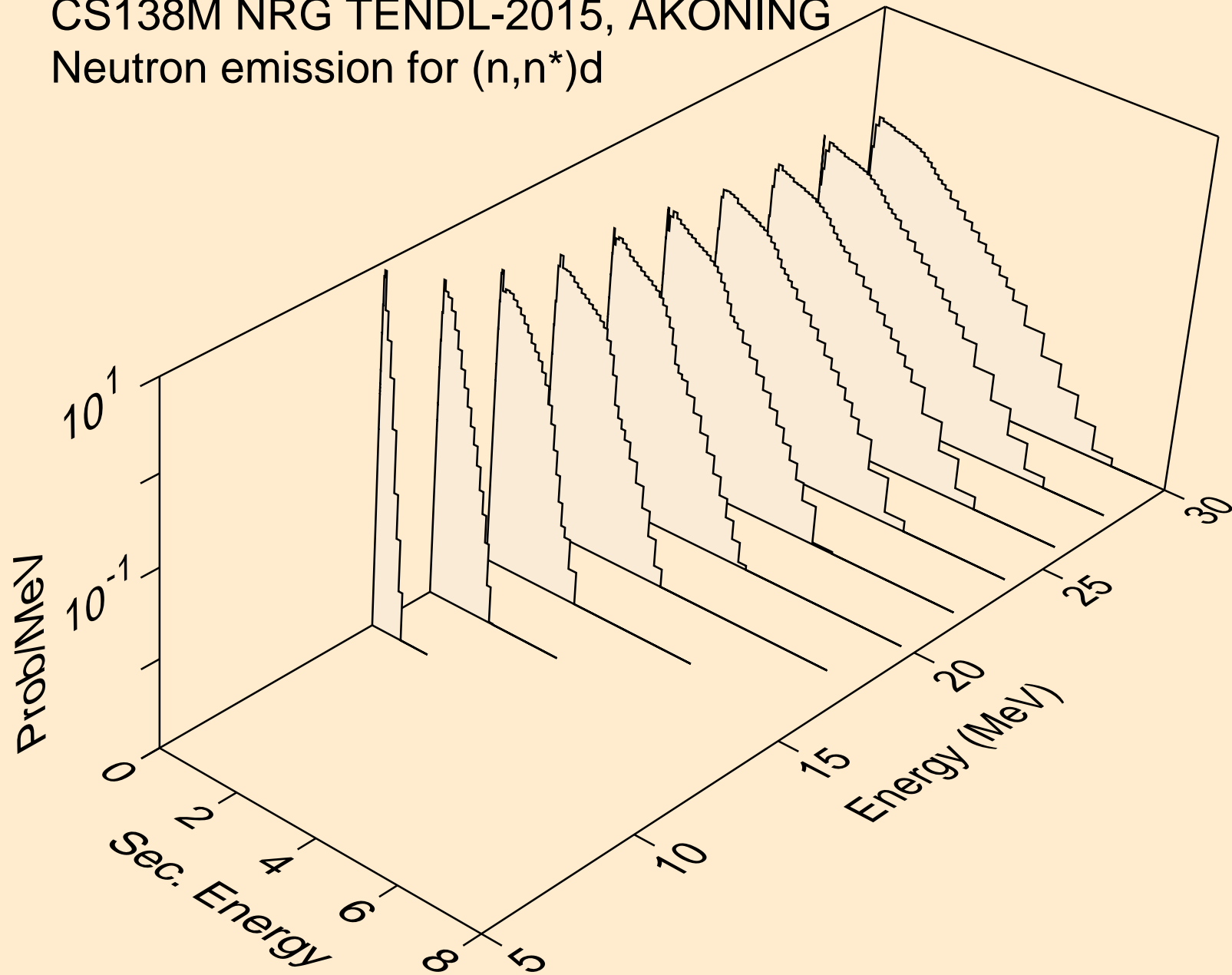
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



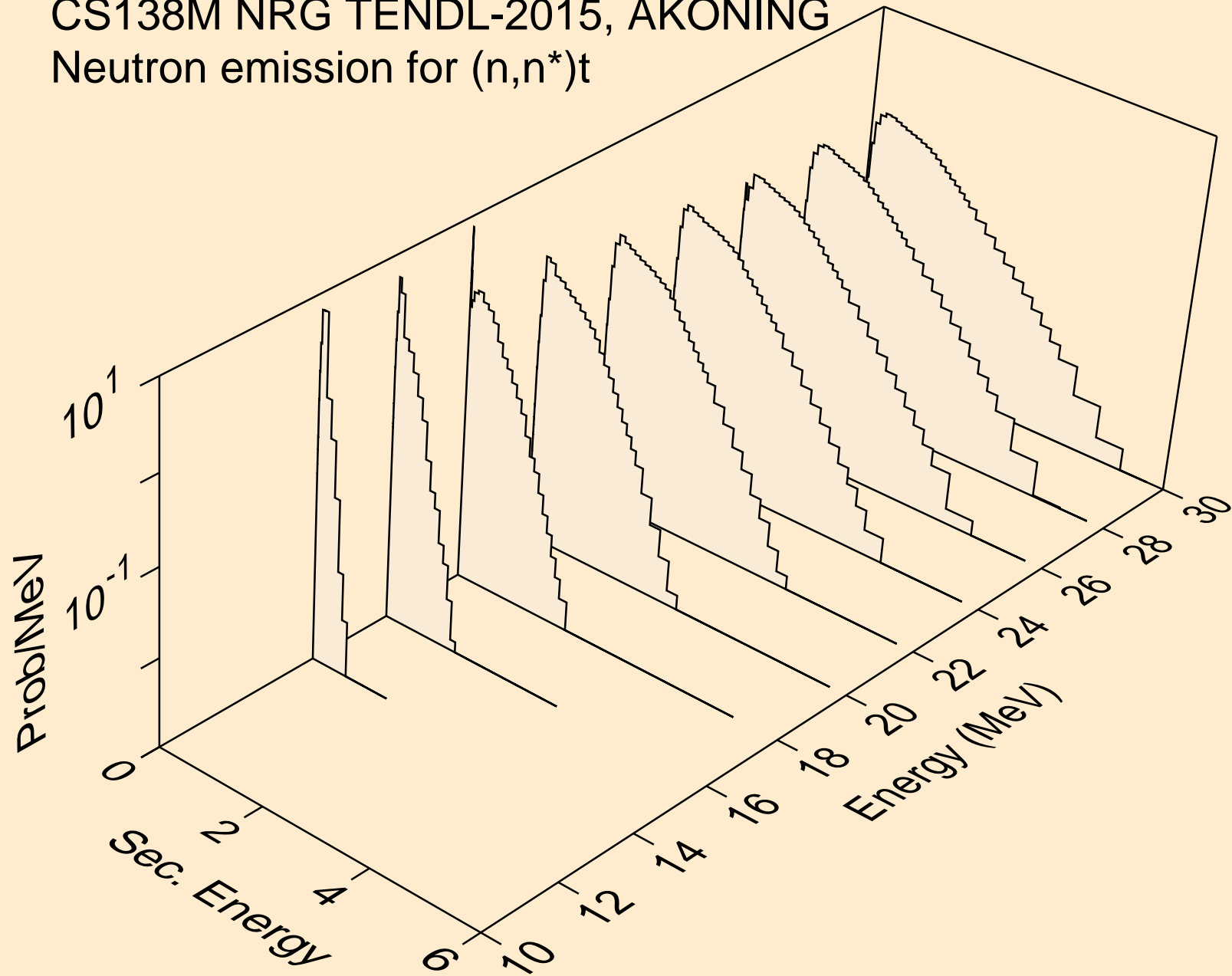
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

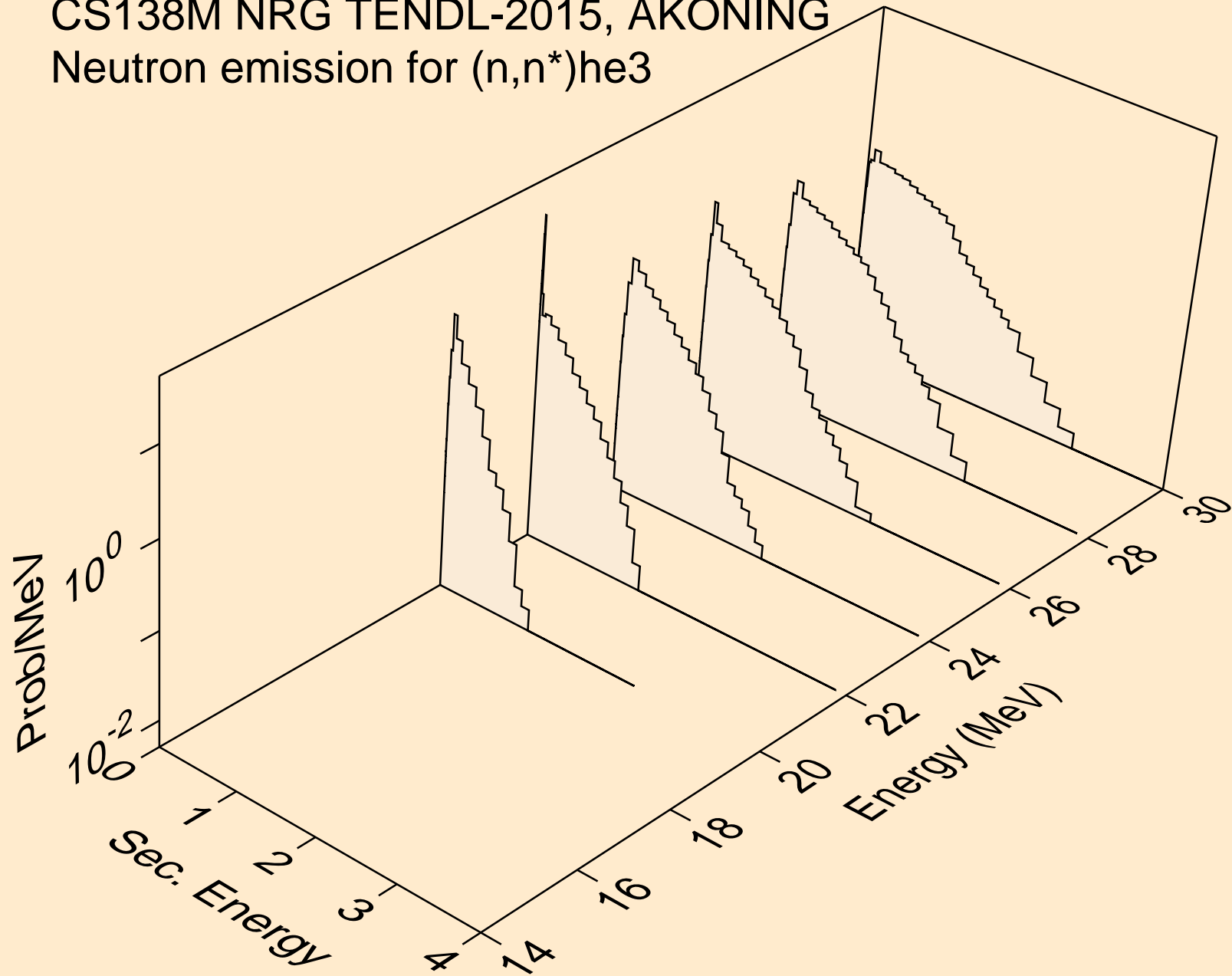


CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

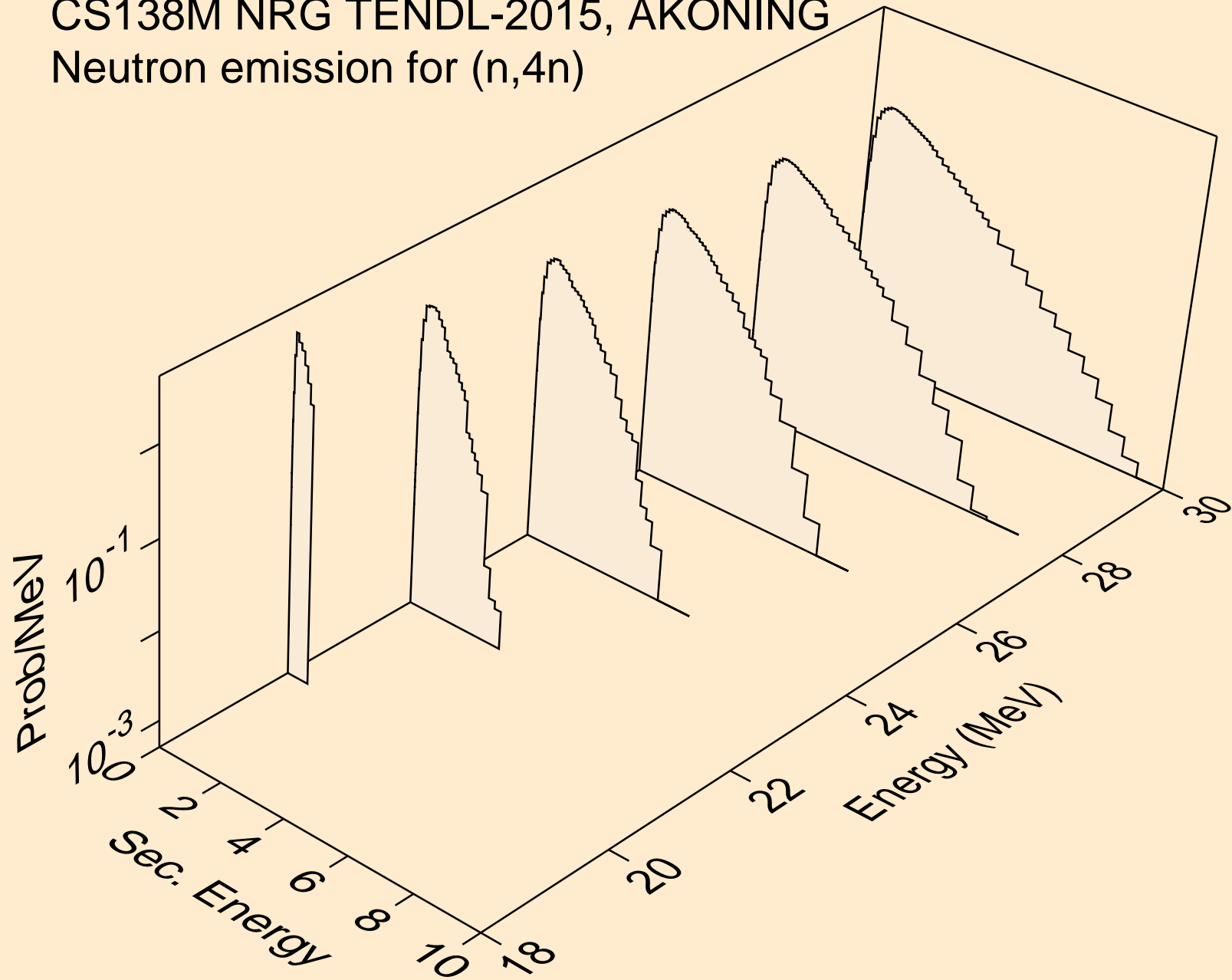




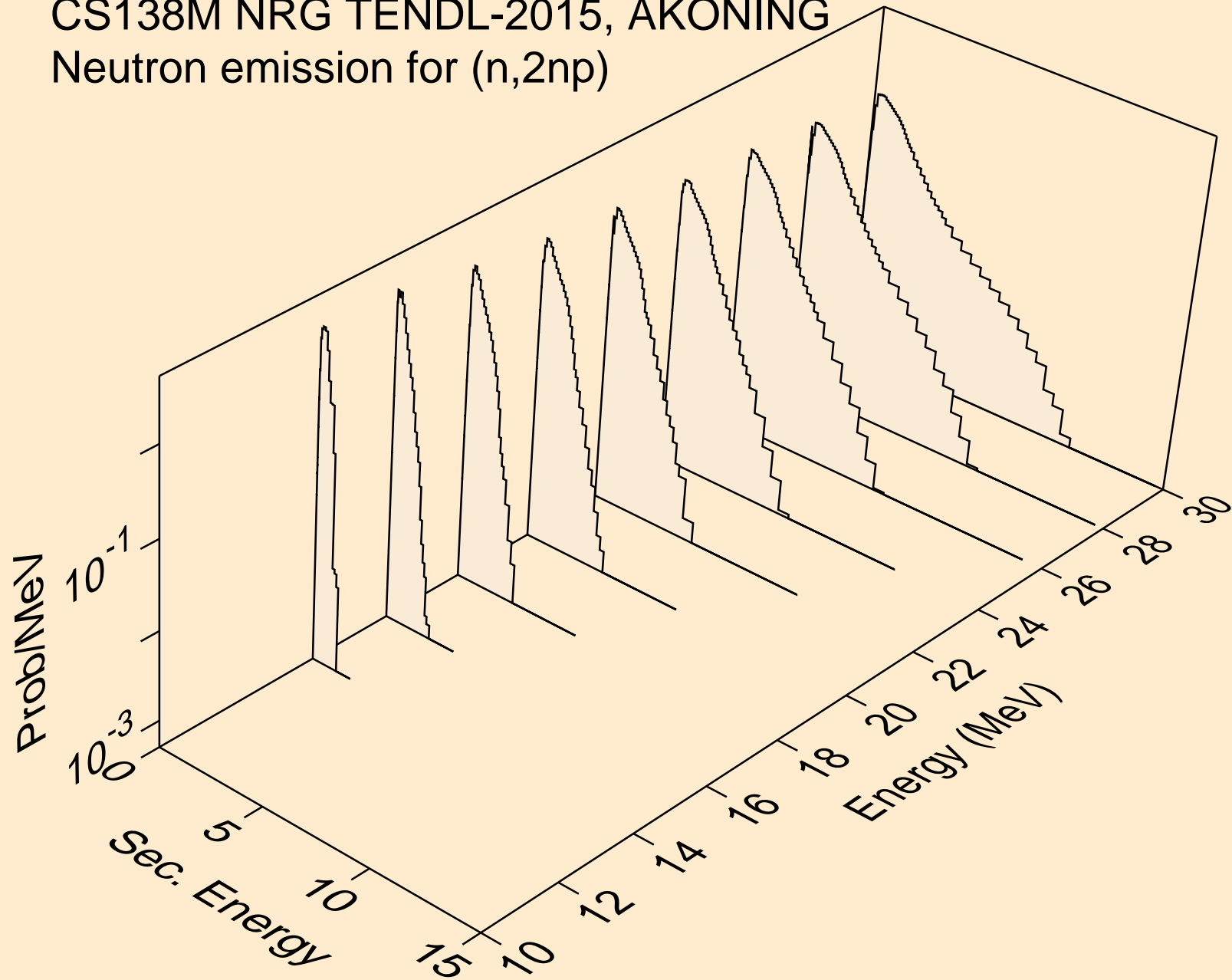
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



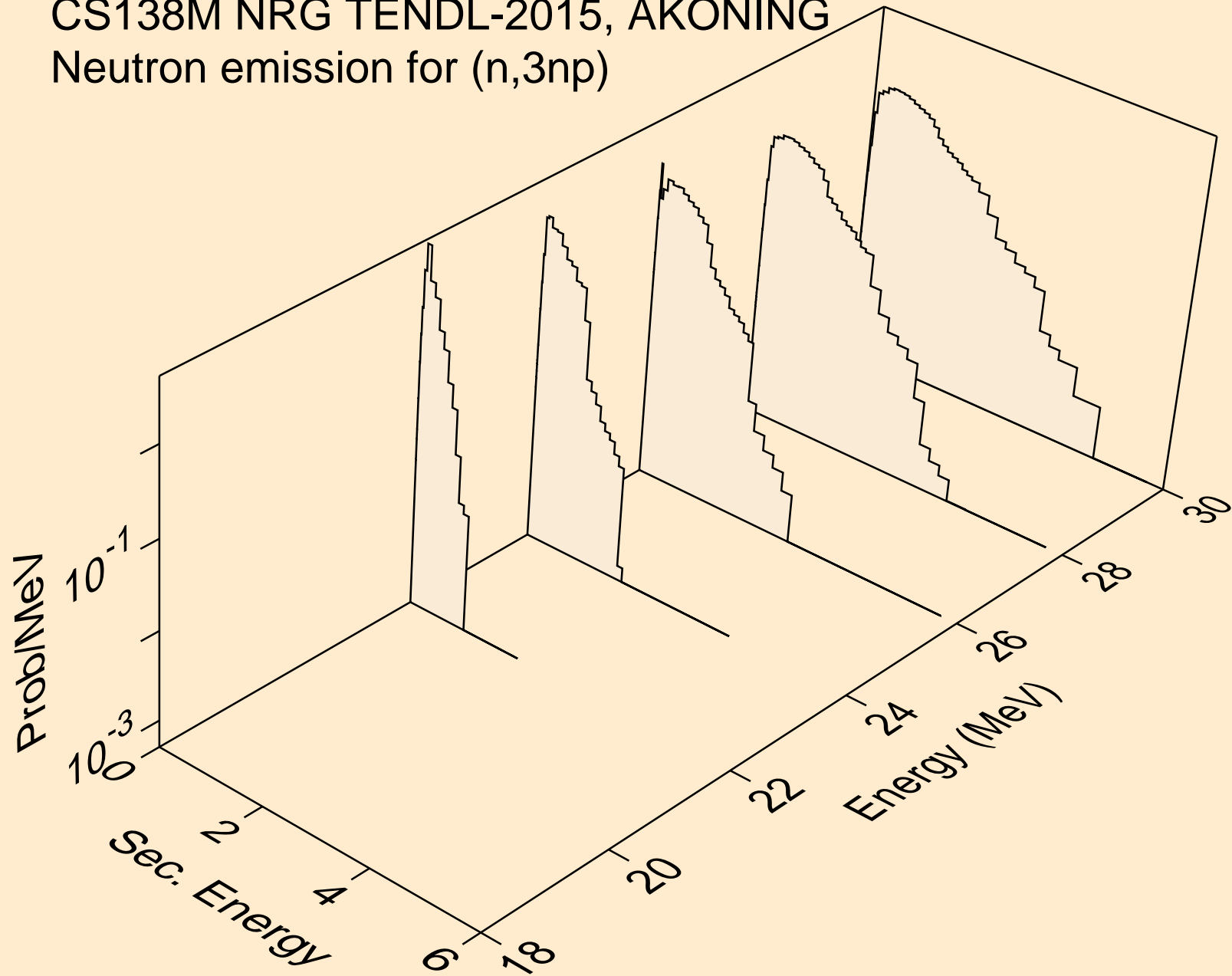
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



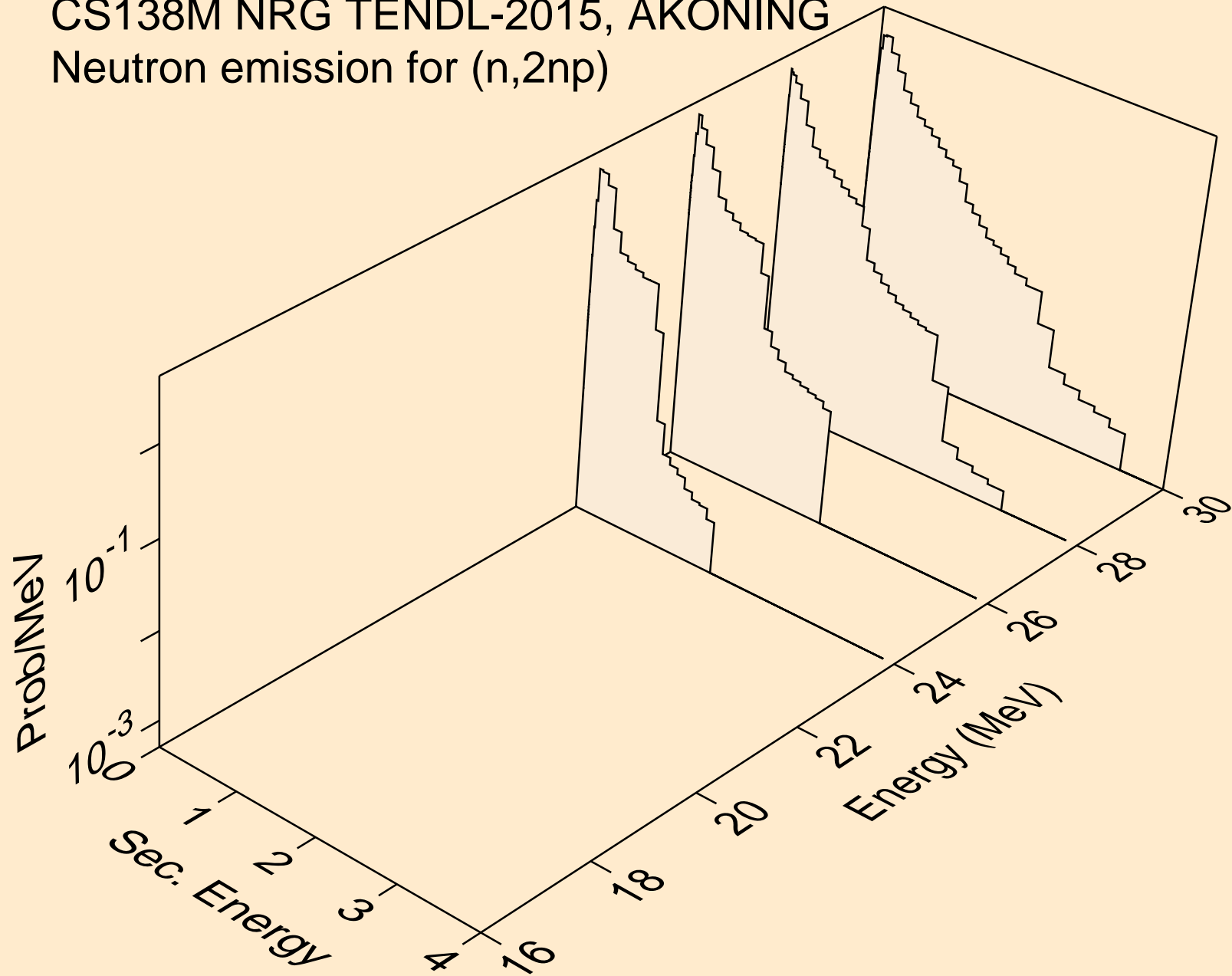
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



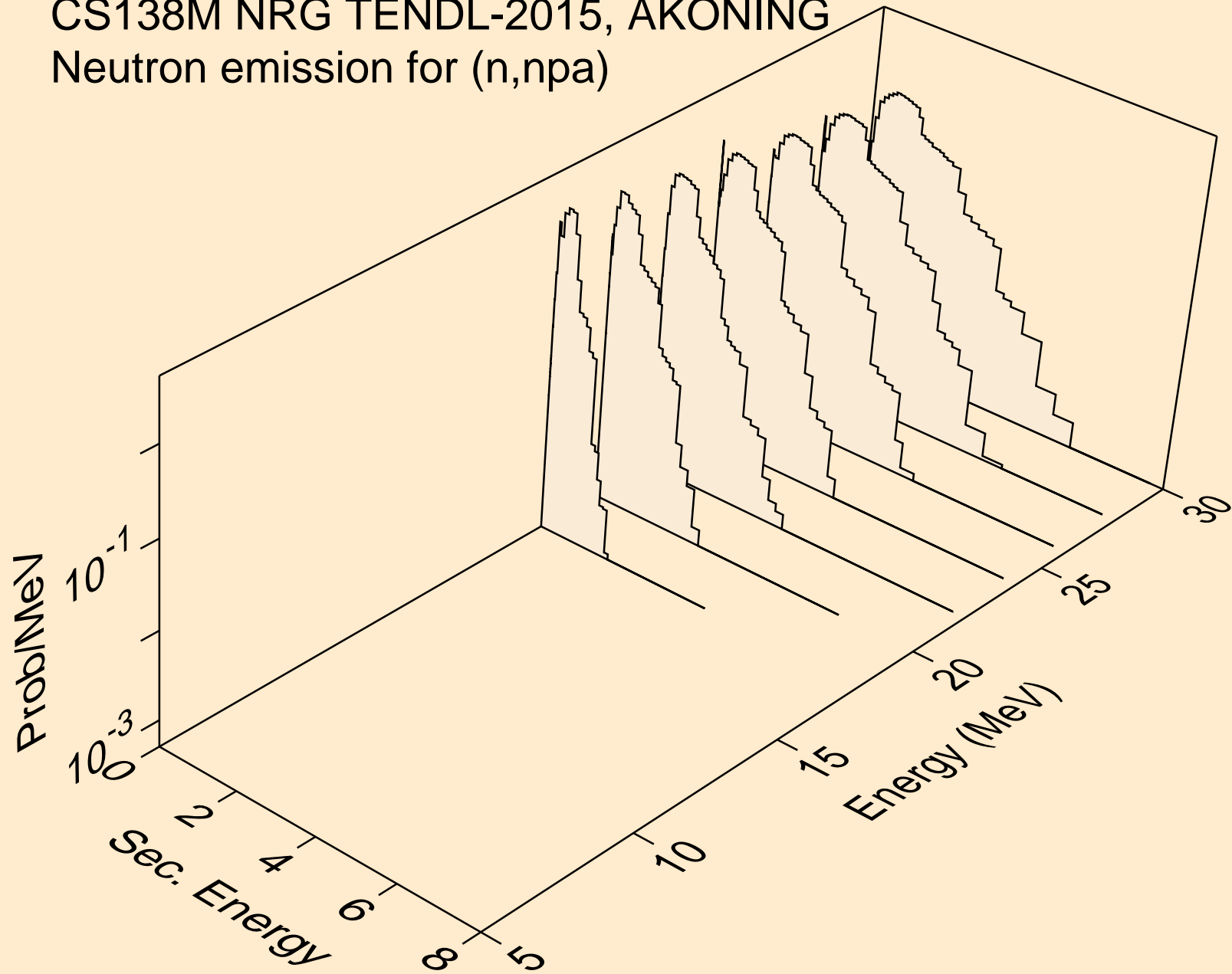
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



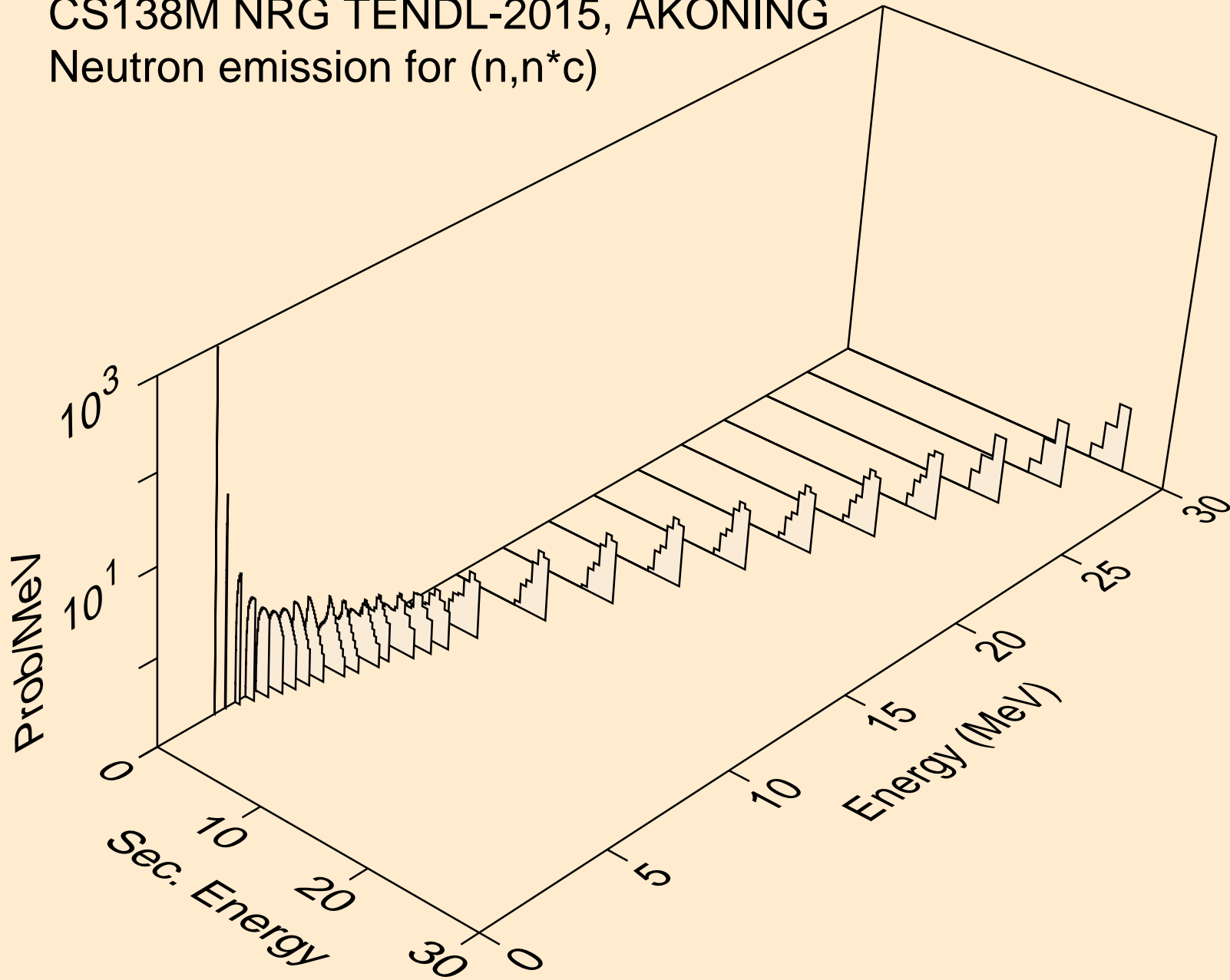
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



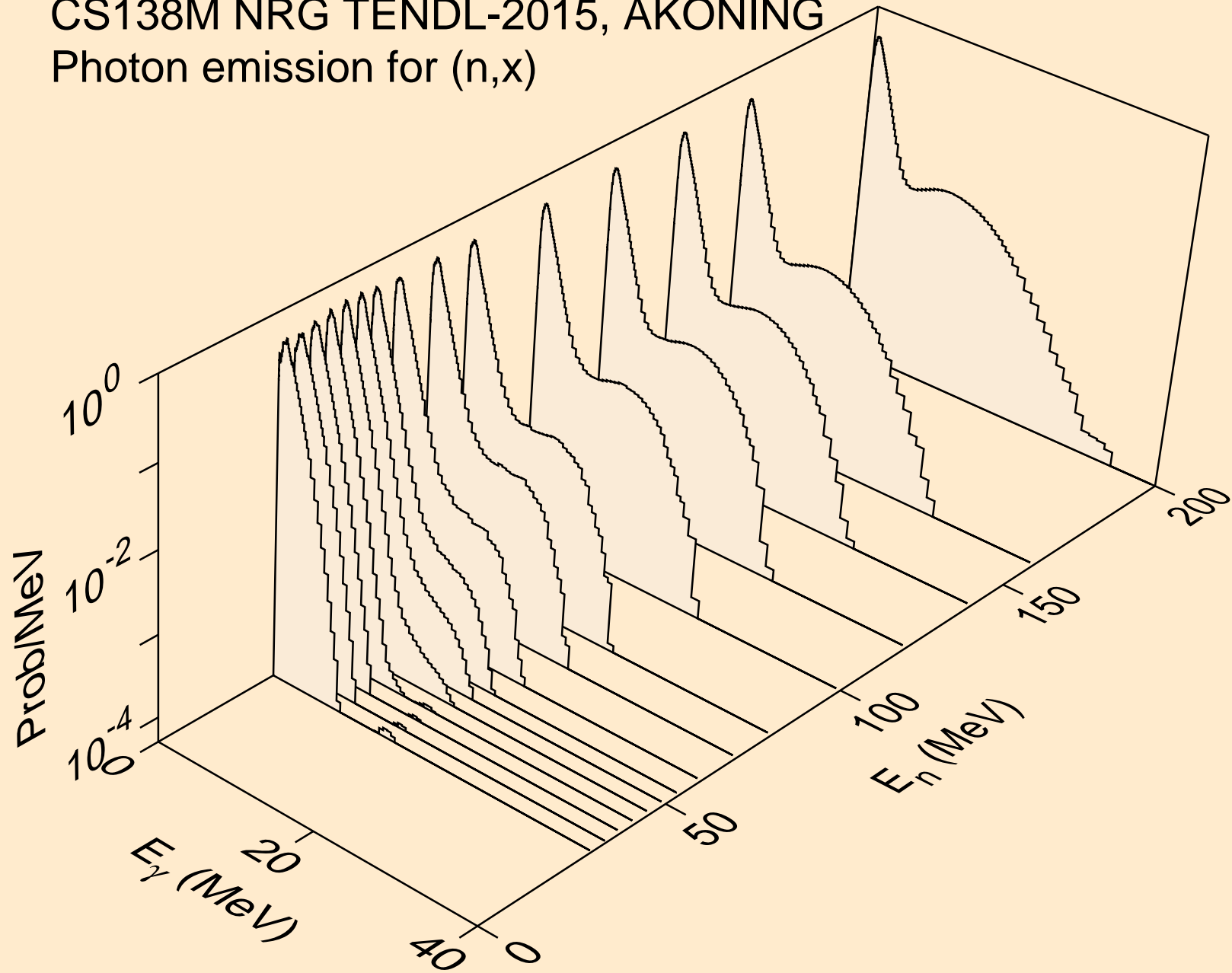
CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



CS138M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

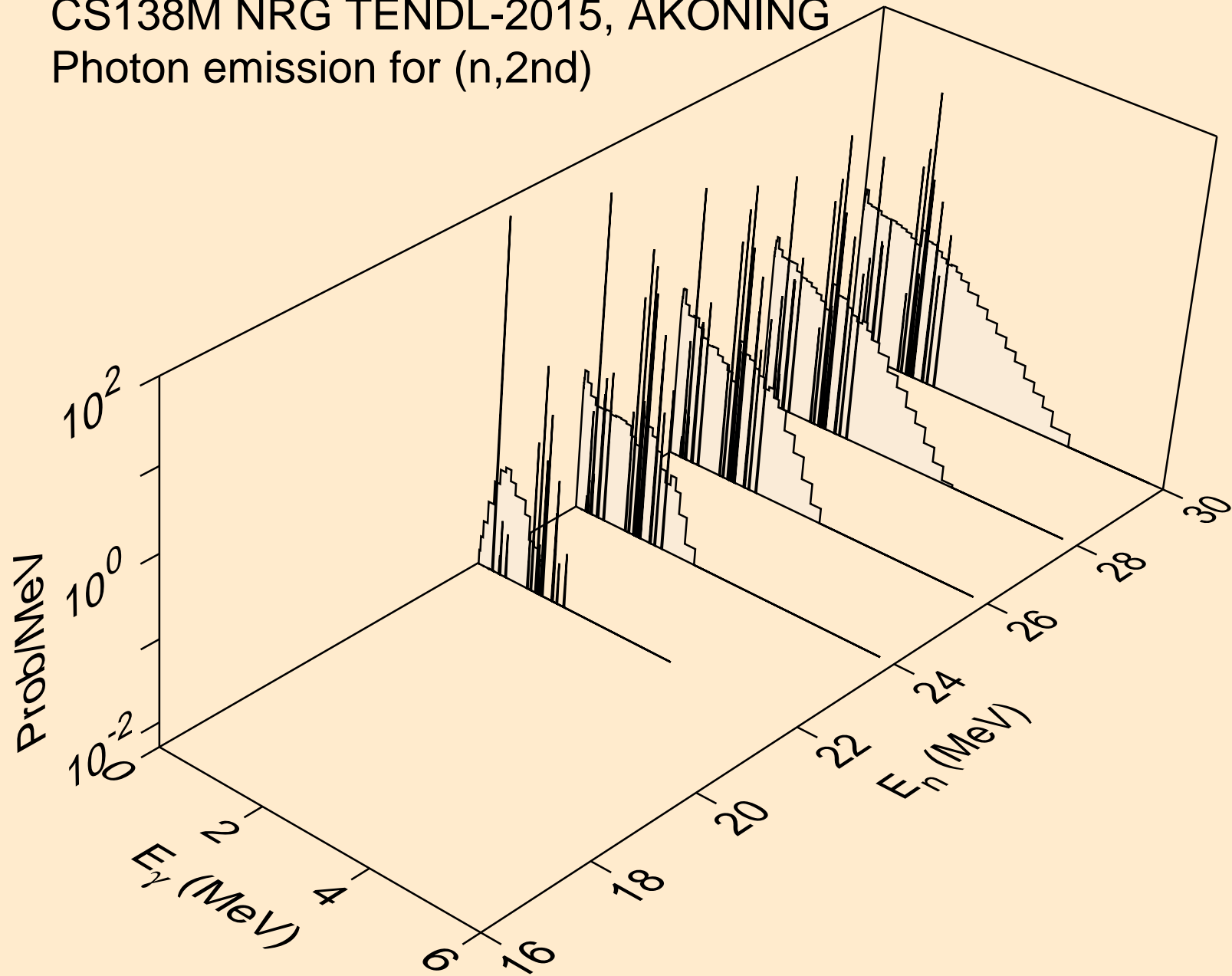


CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,x)

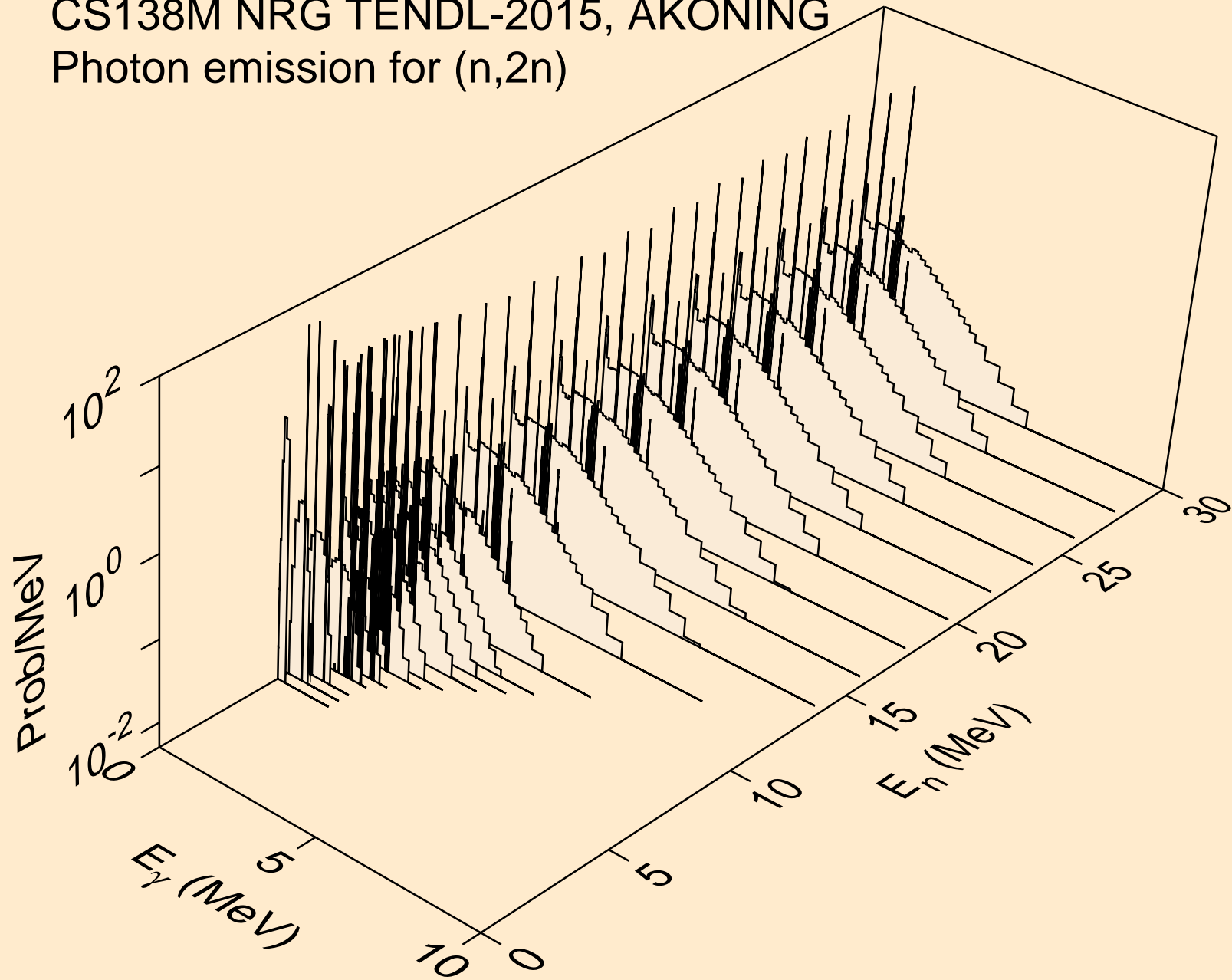




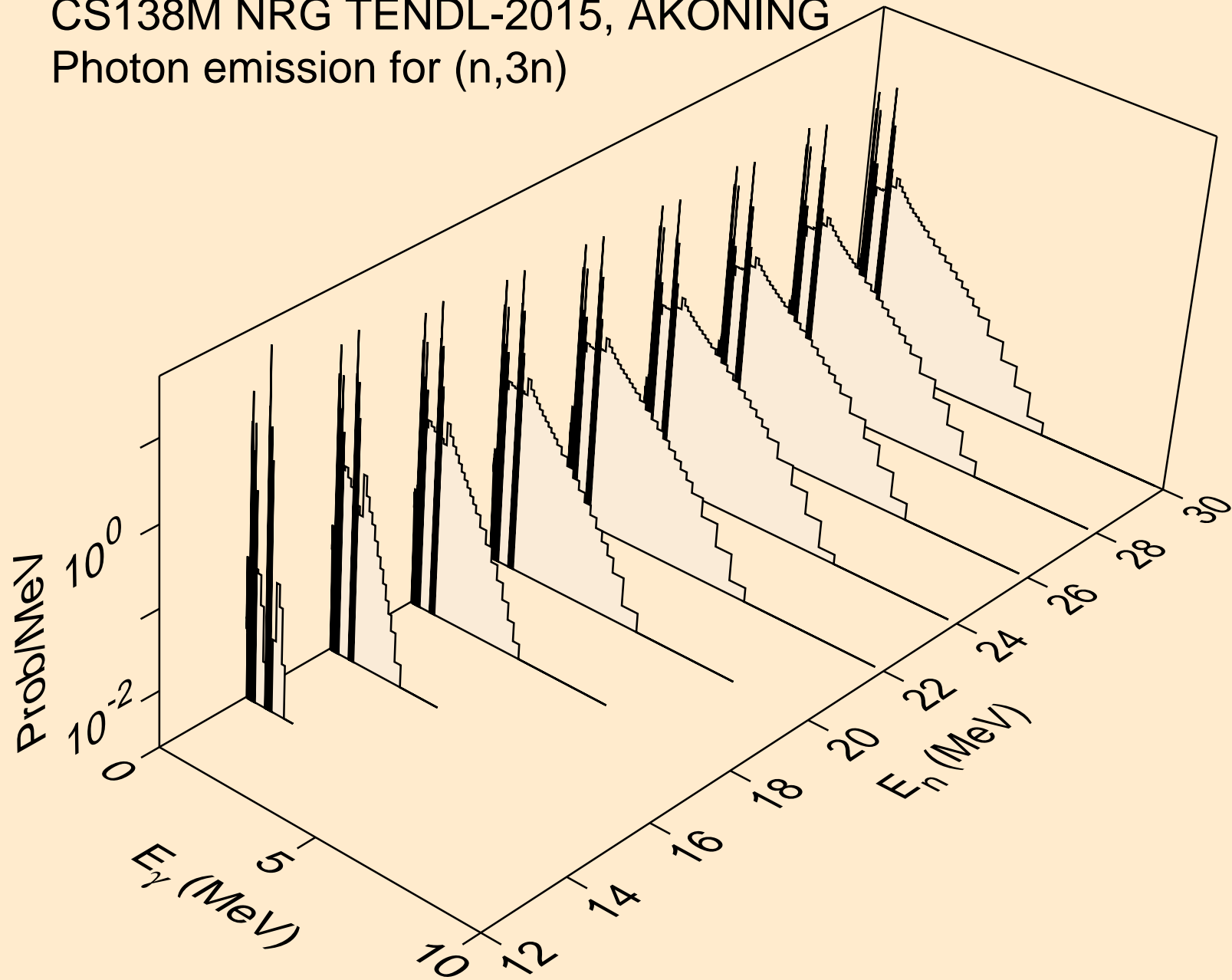
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



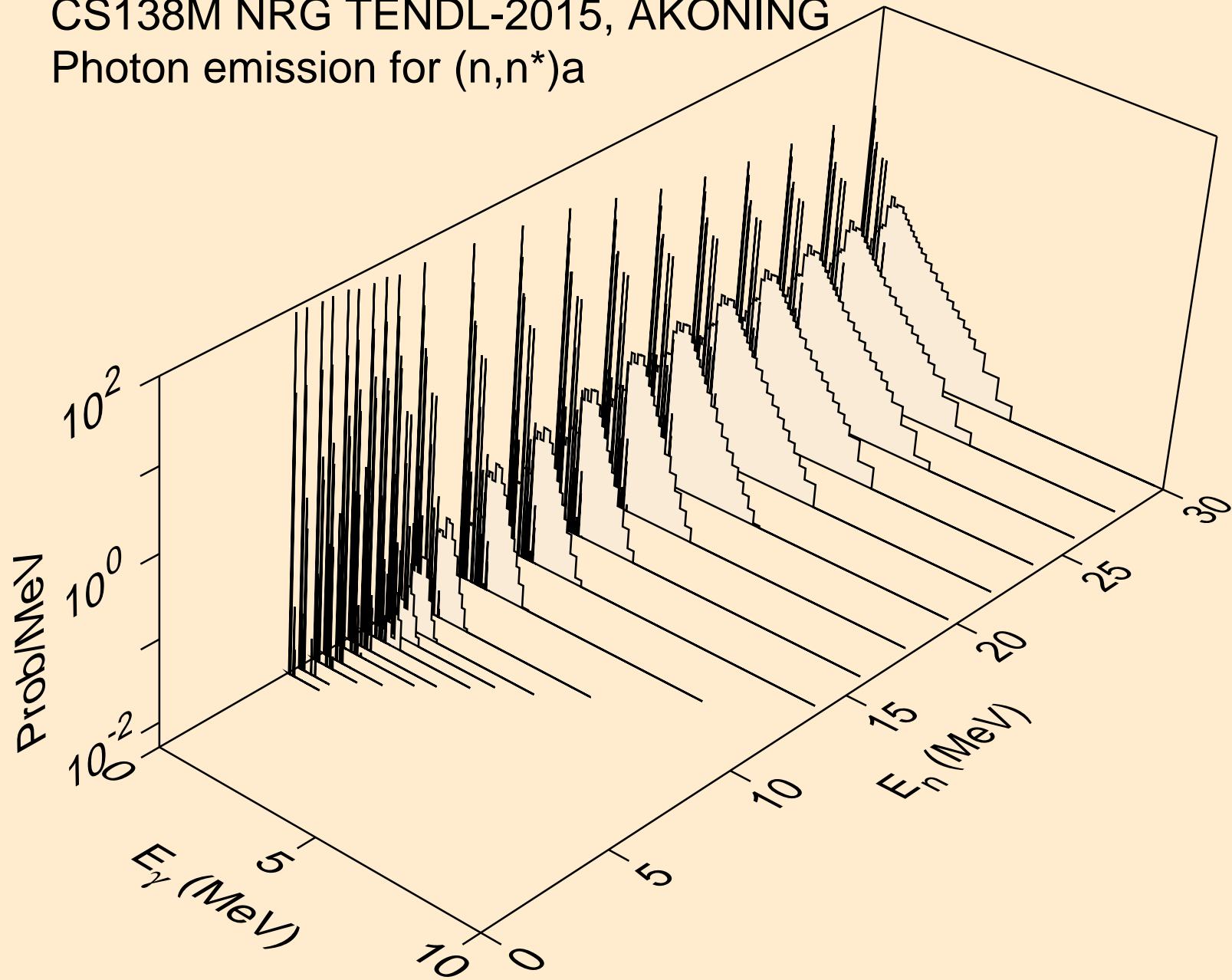
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



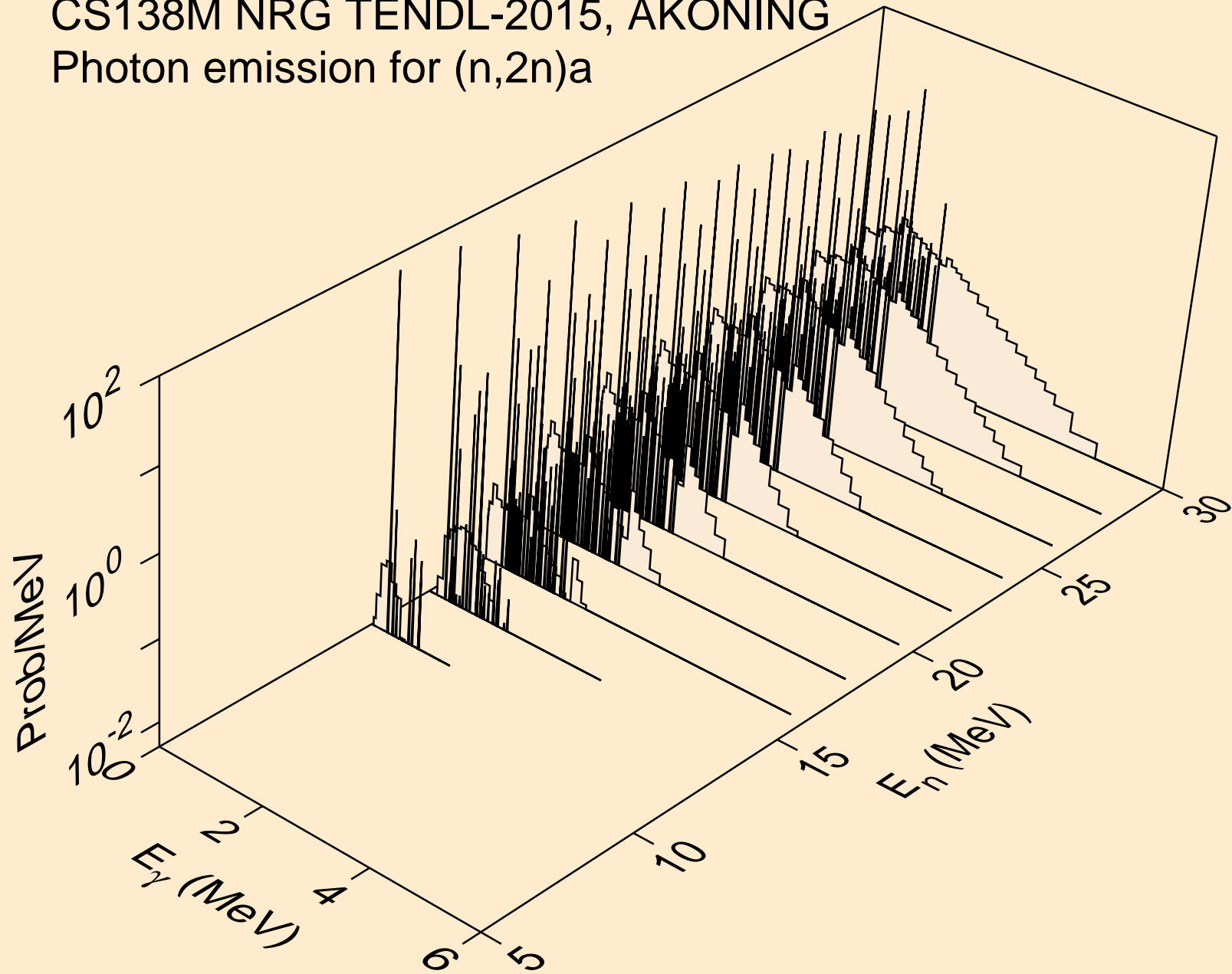
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



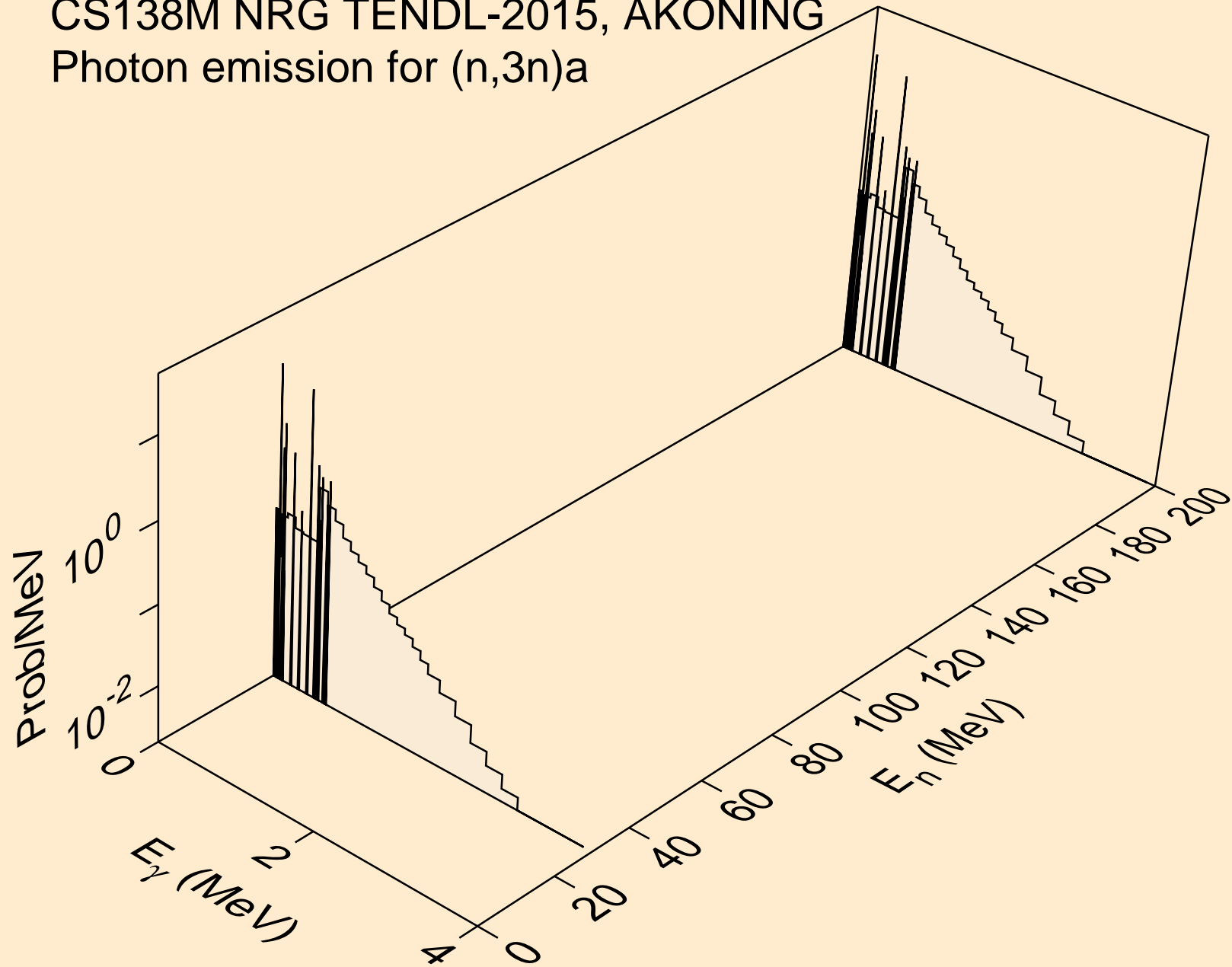
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



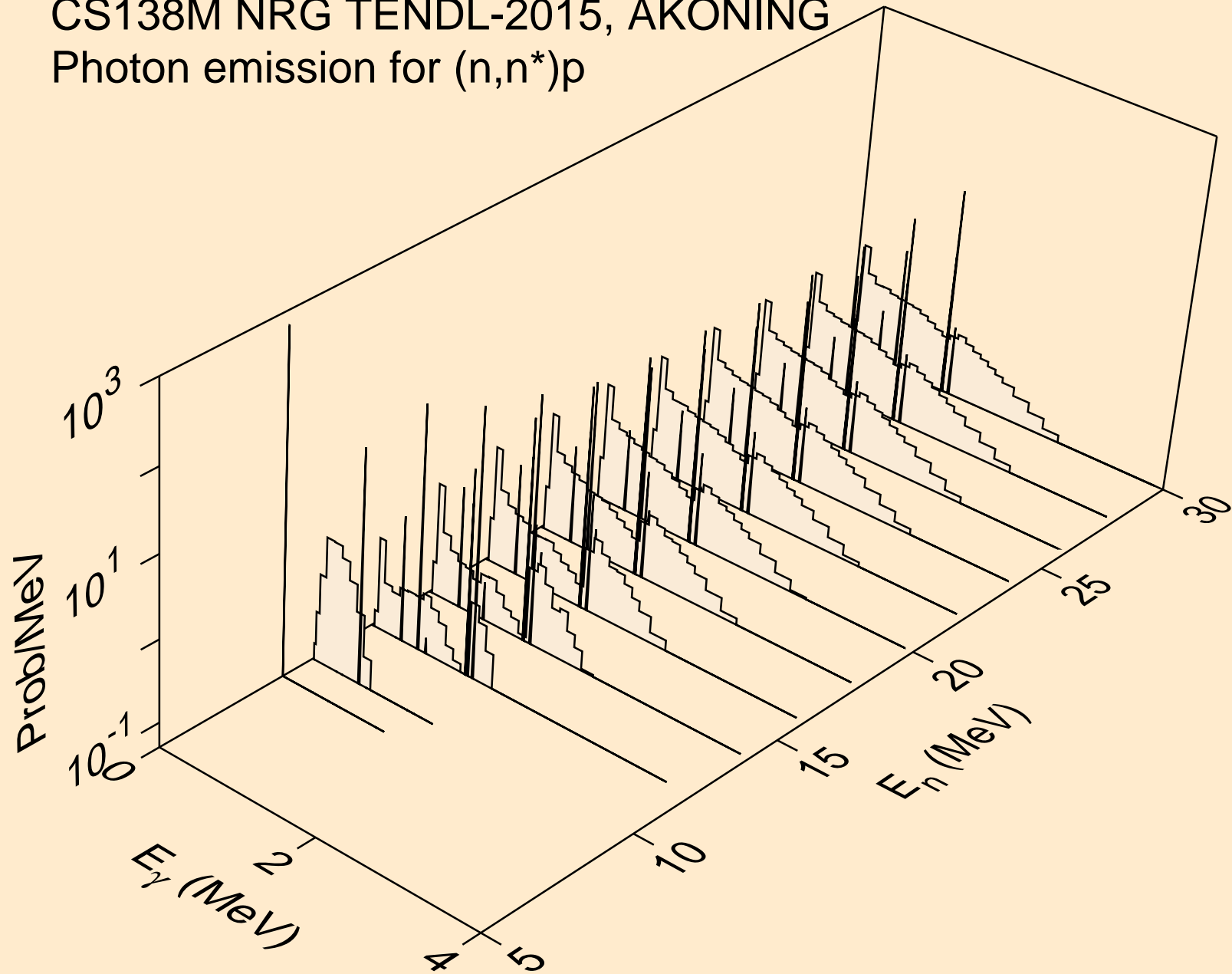
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



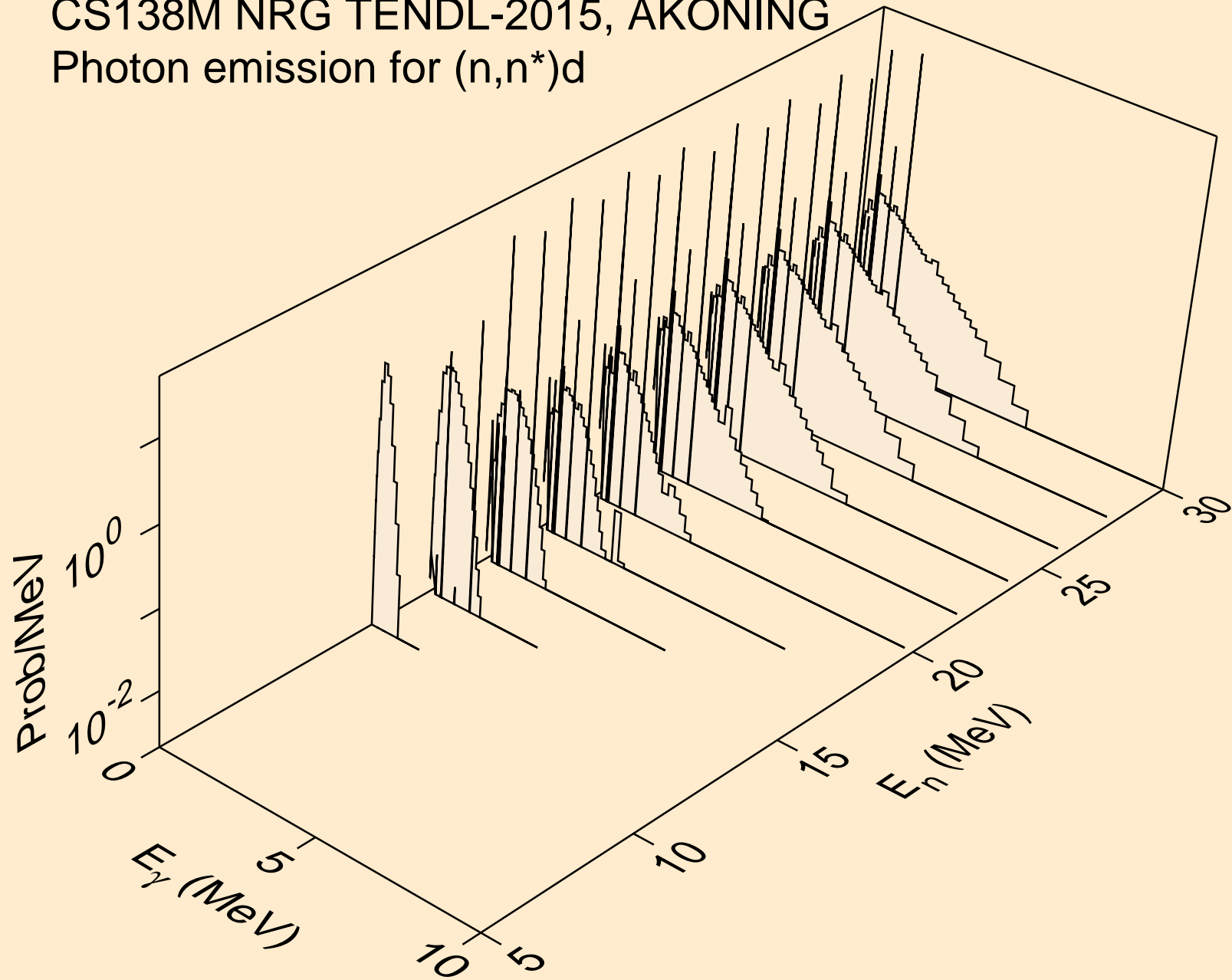
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

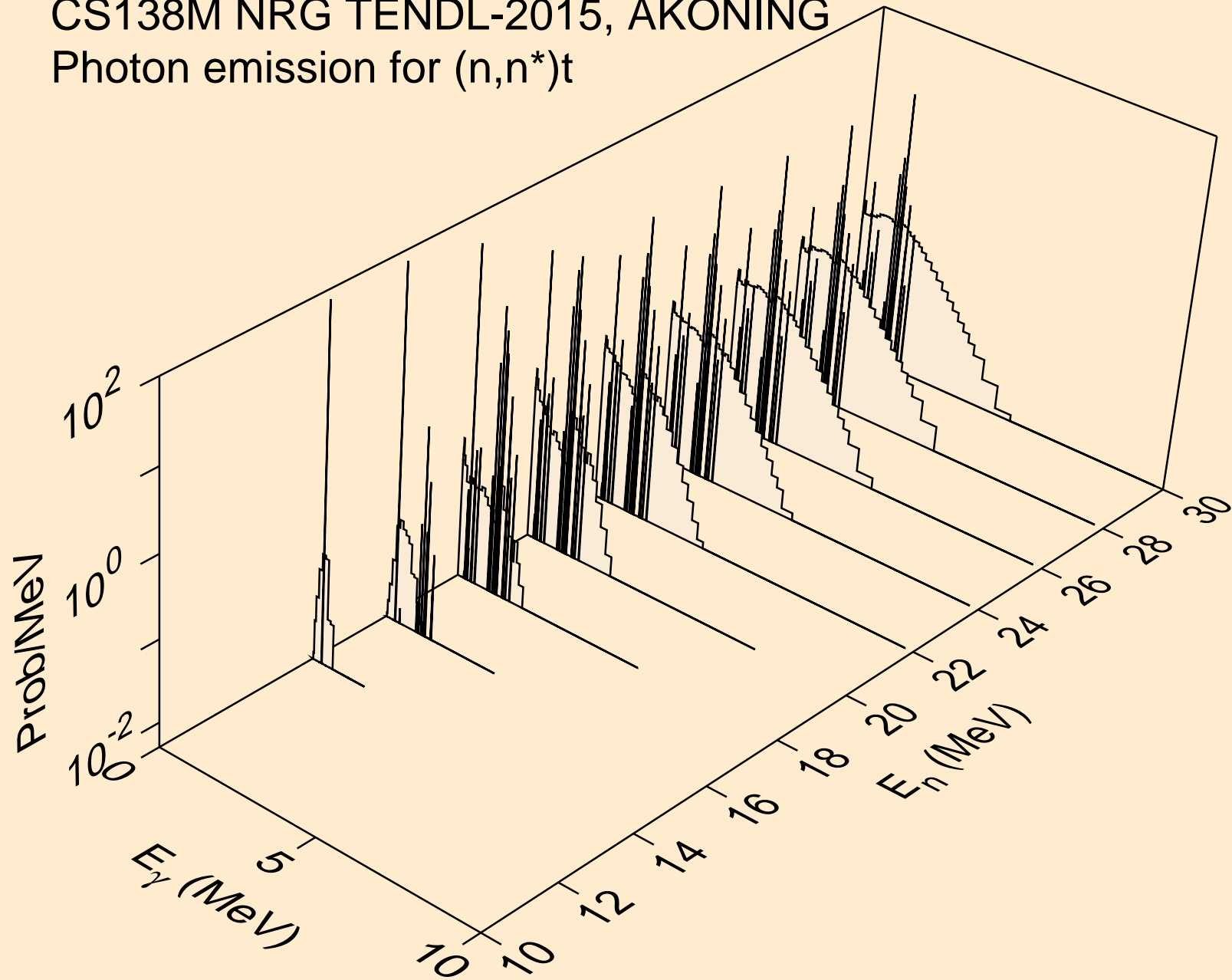


CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

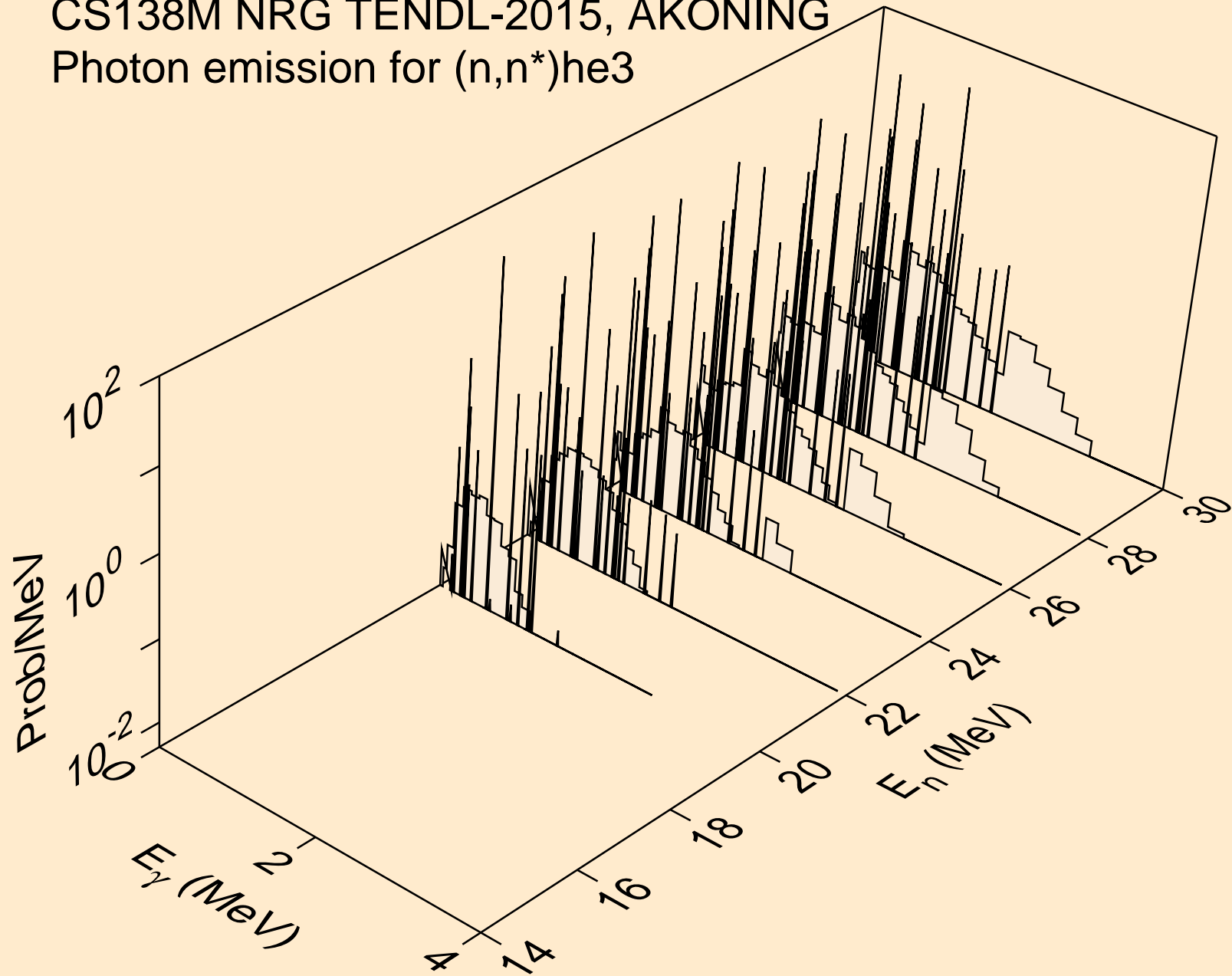




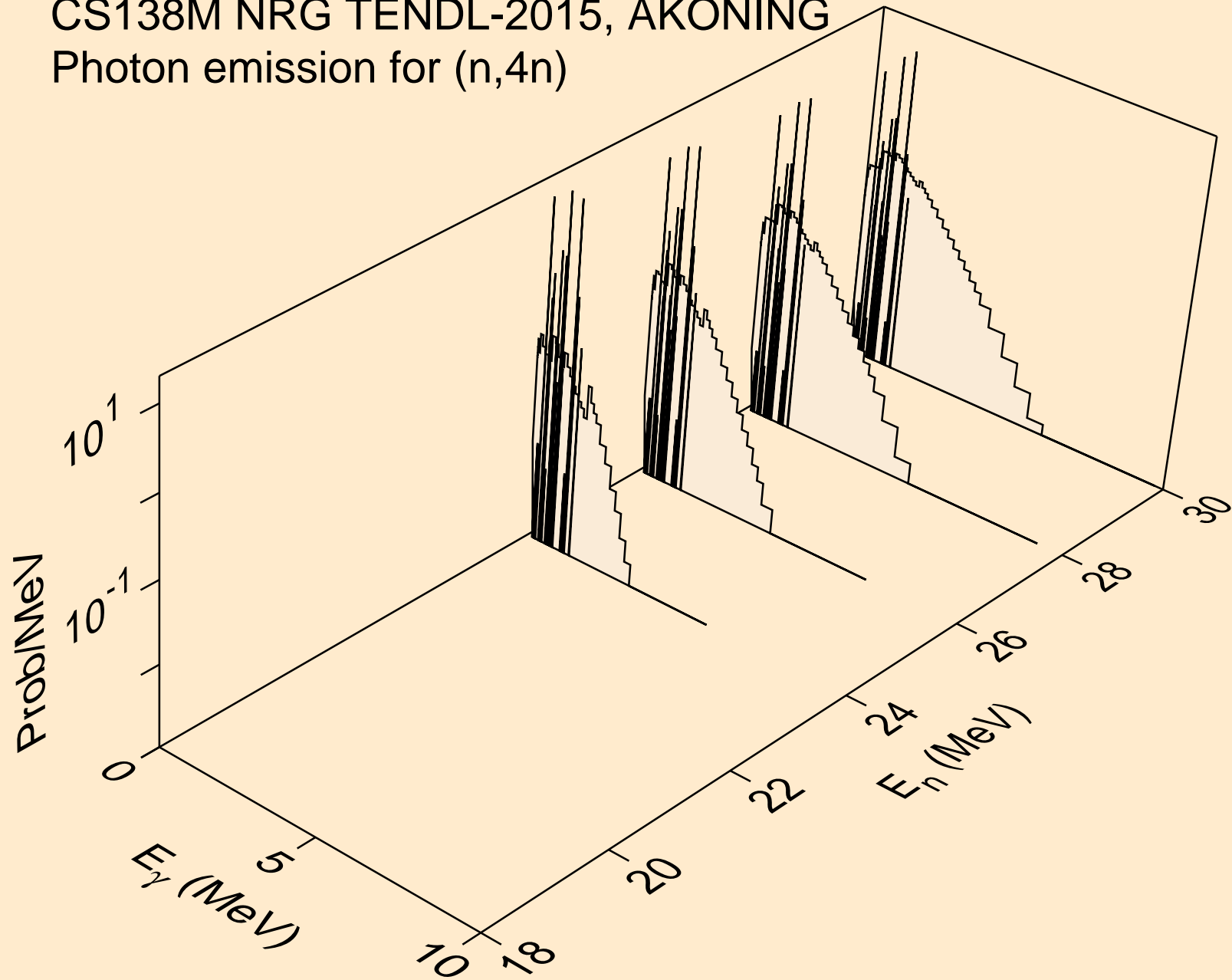
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



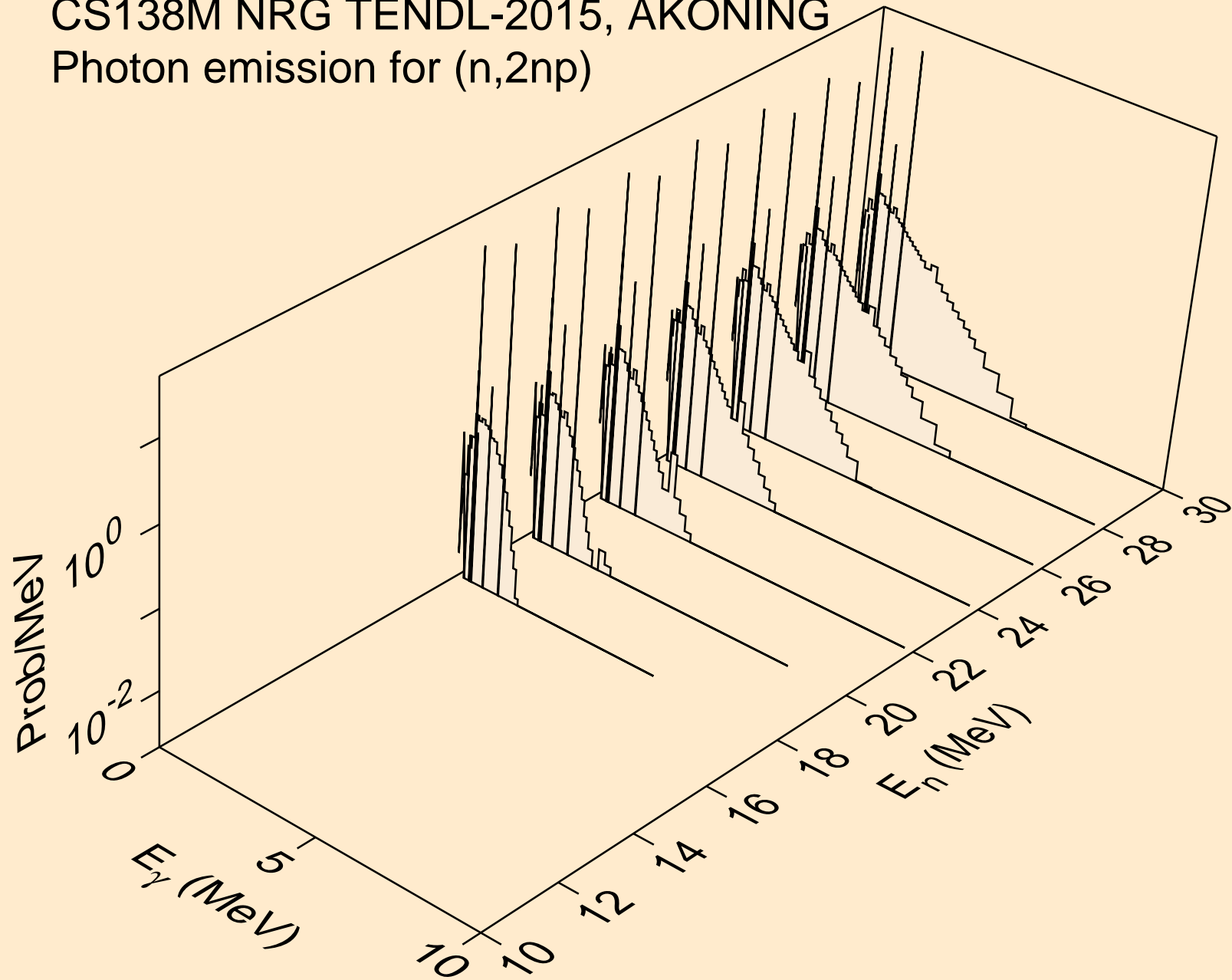
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



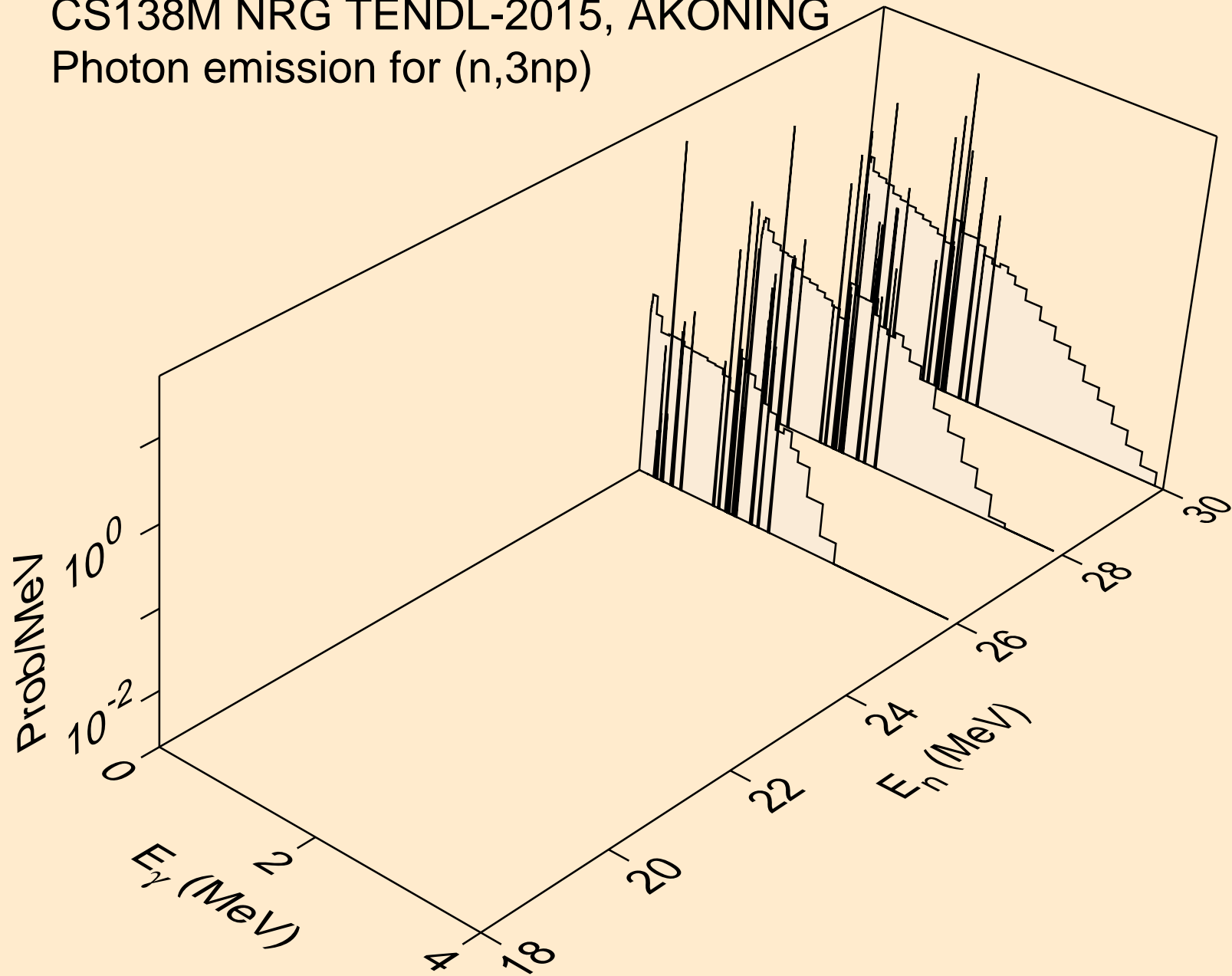
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Photon emission for (n,4n)



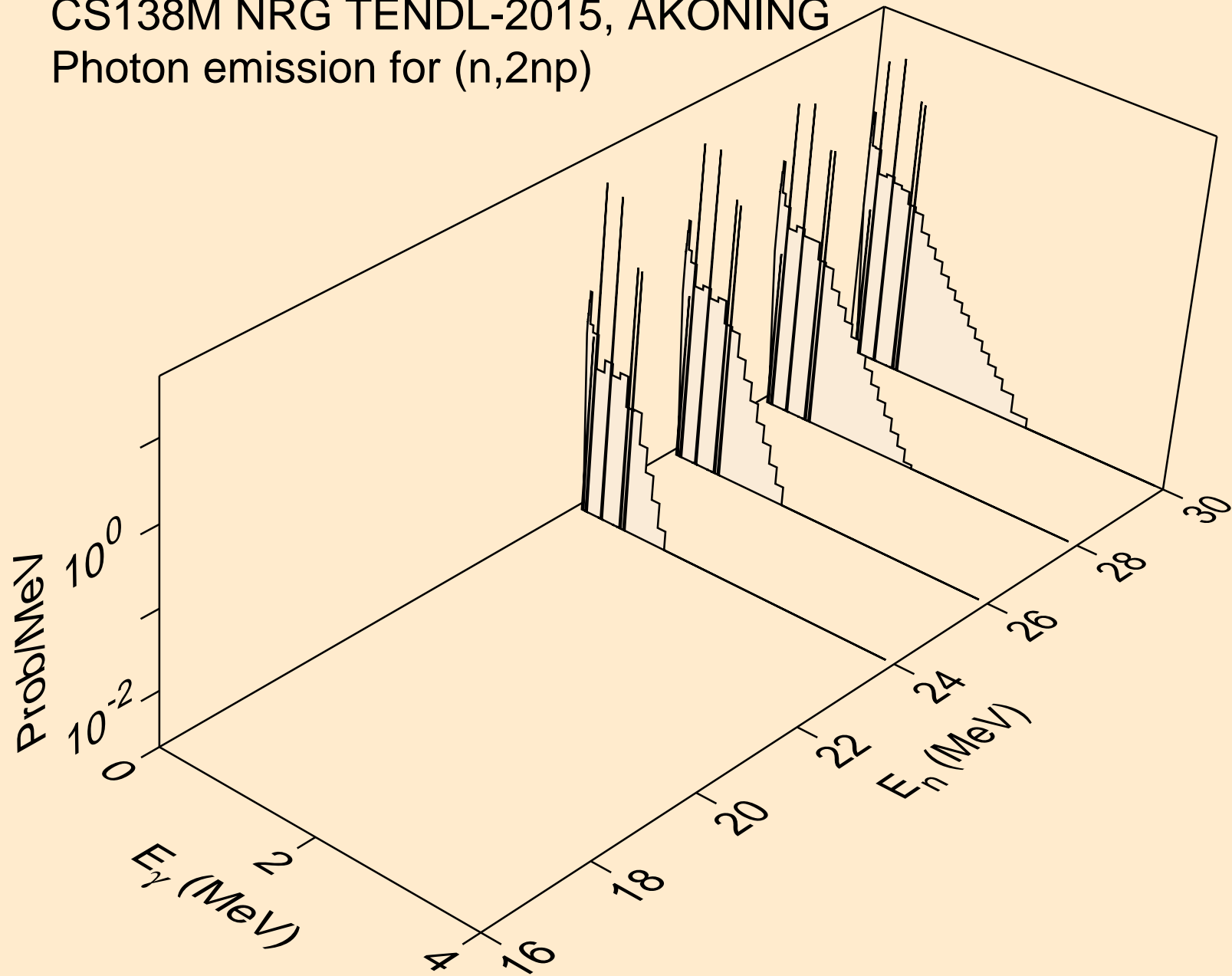
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



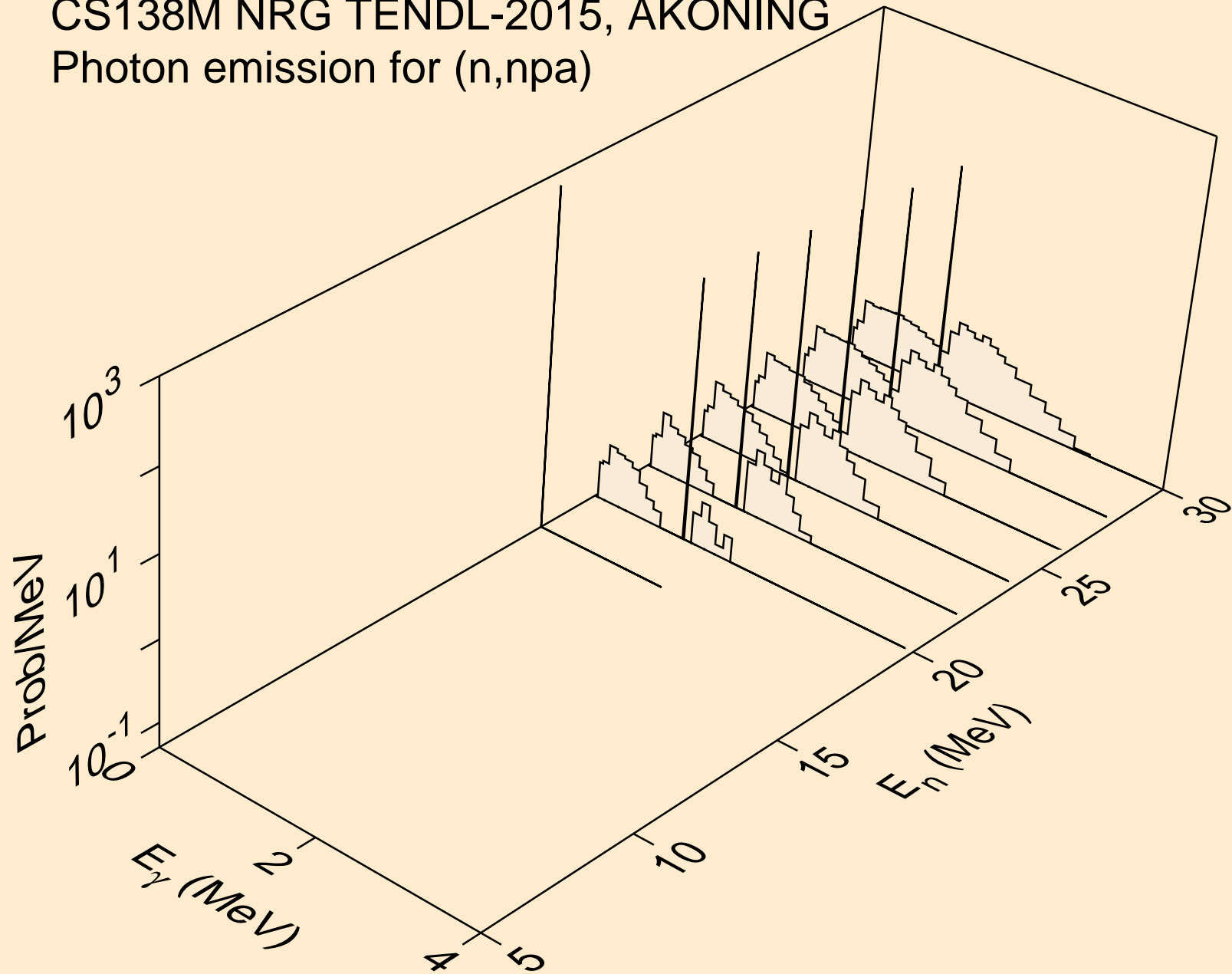
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Photon emission for (n,3np)



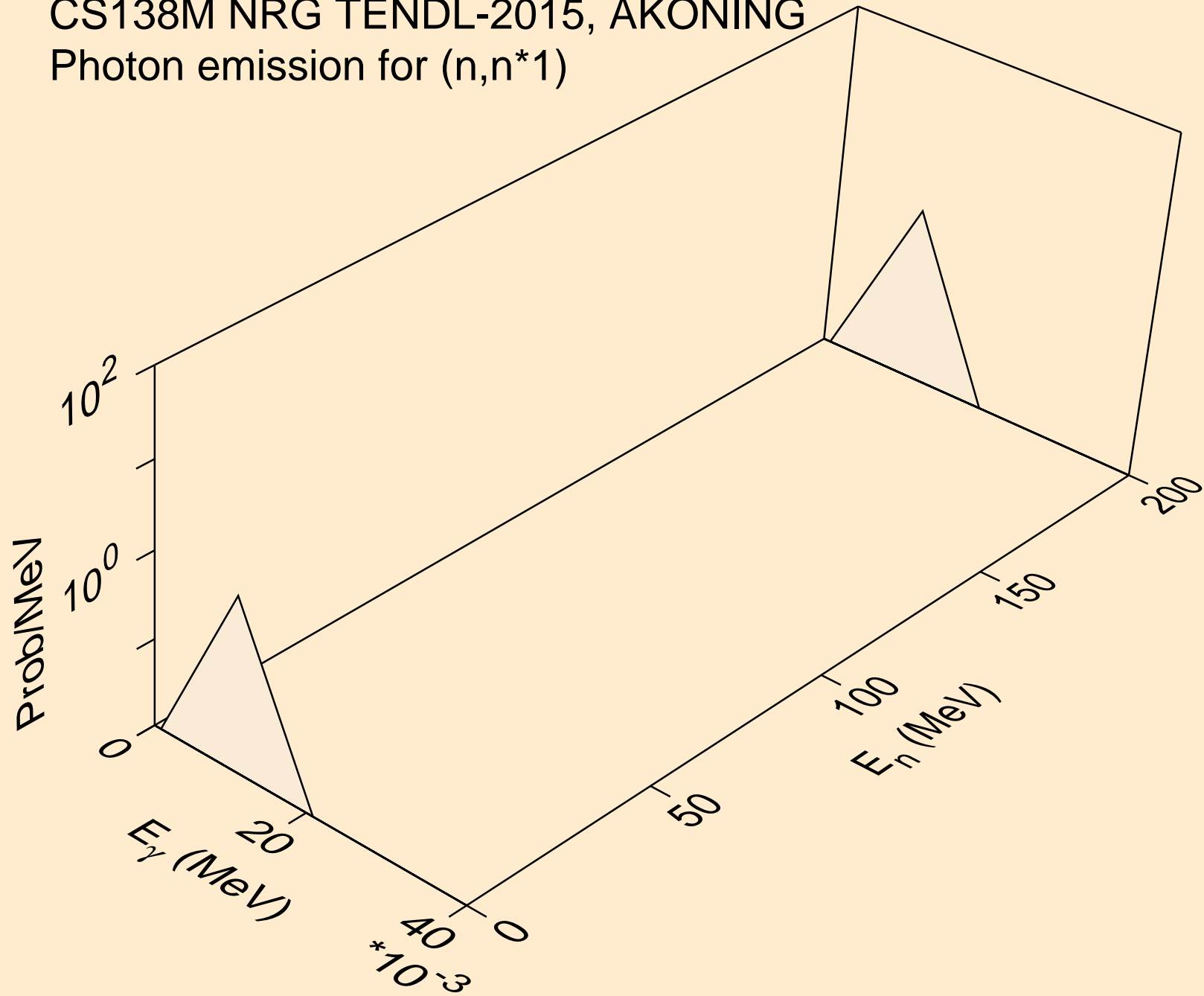
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Photon emission for (n,2np)



CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

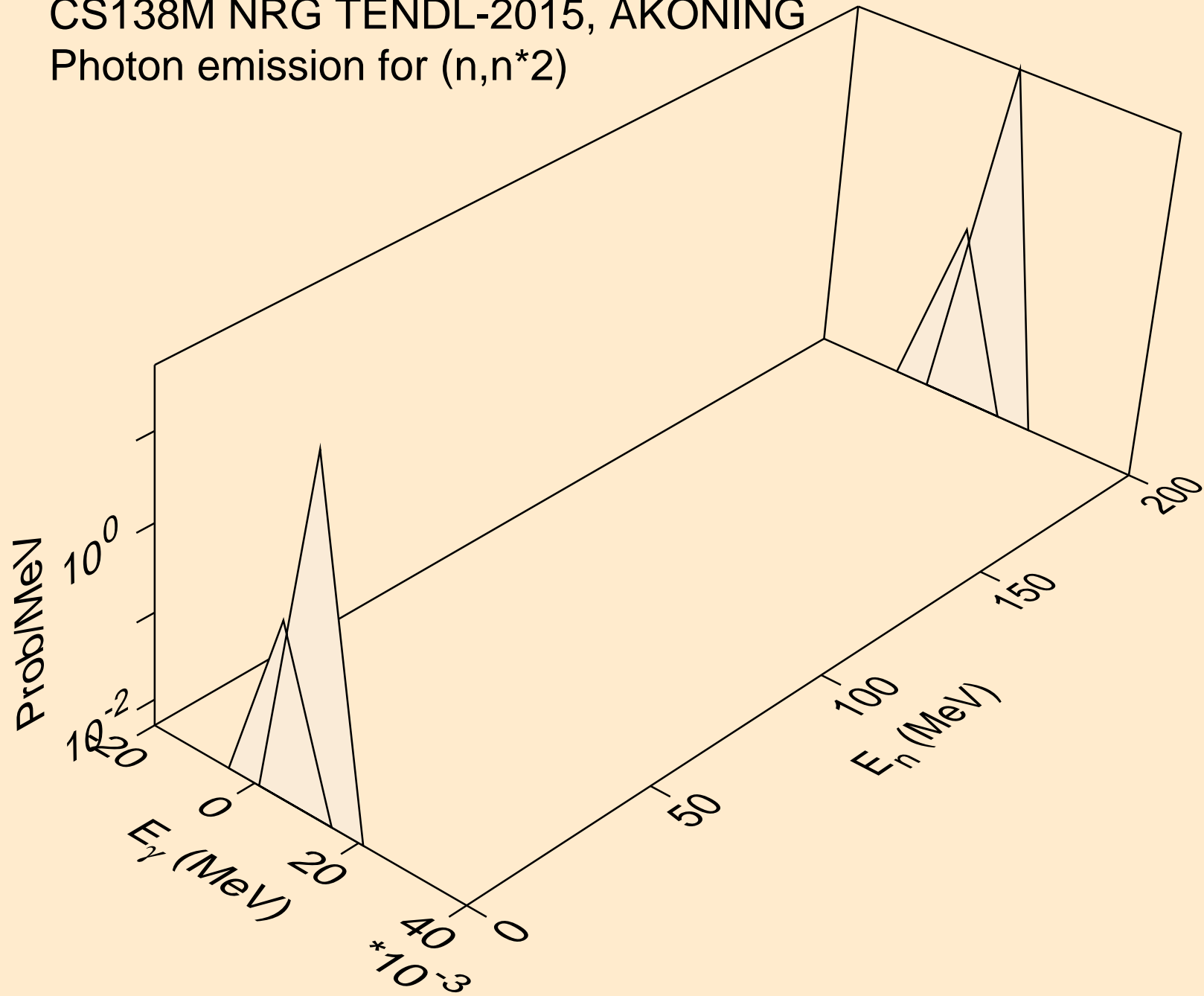


CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*1)

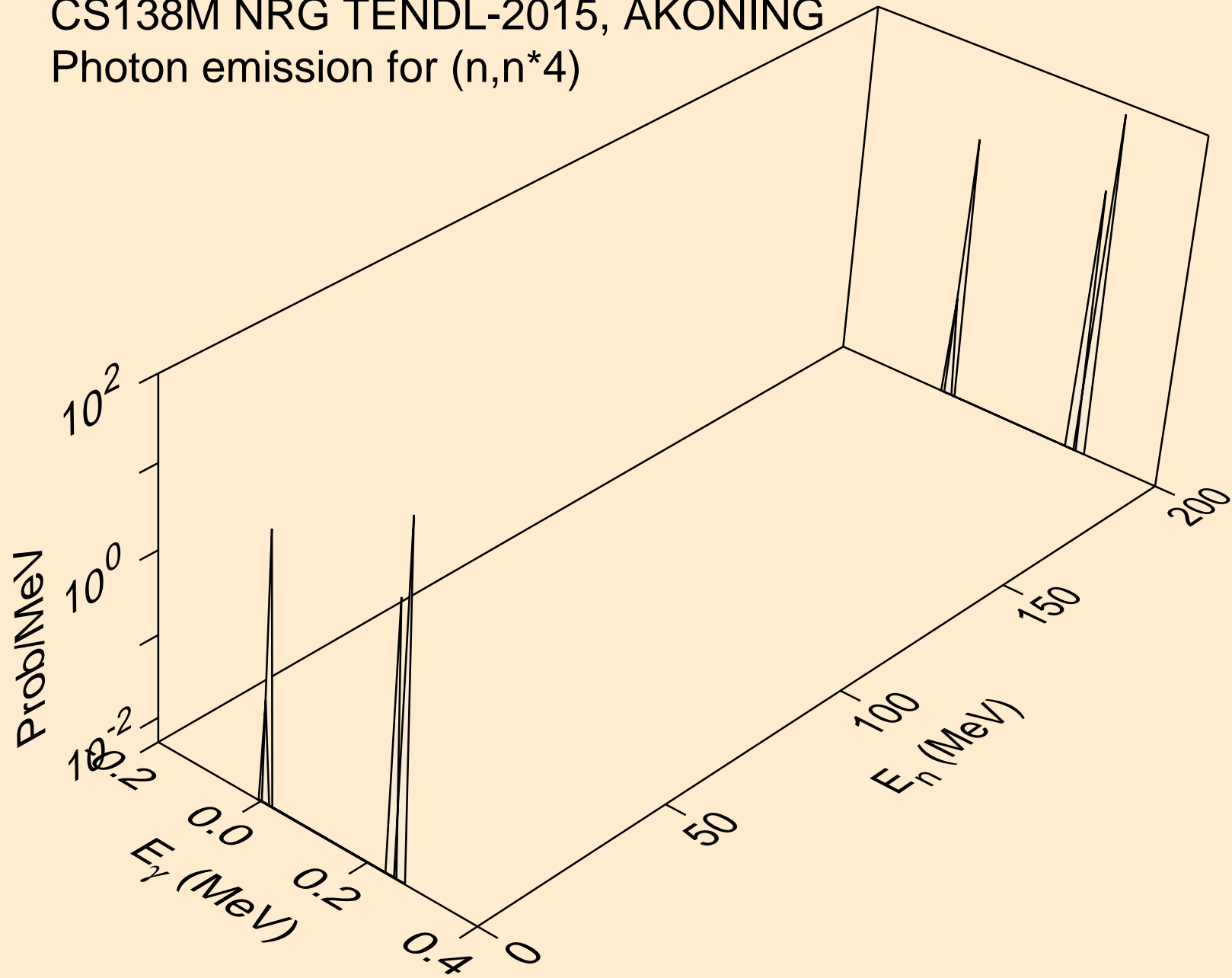




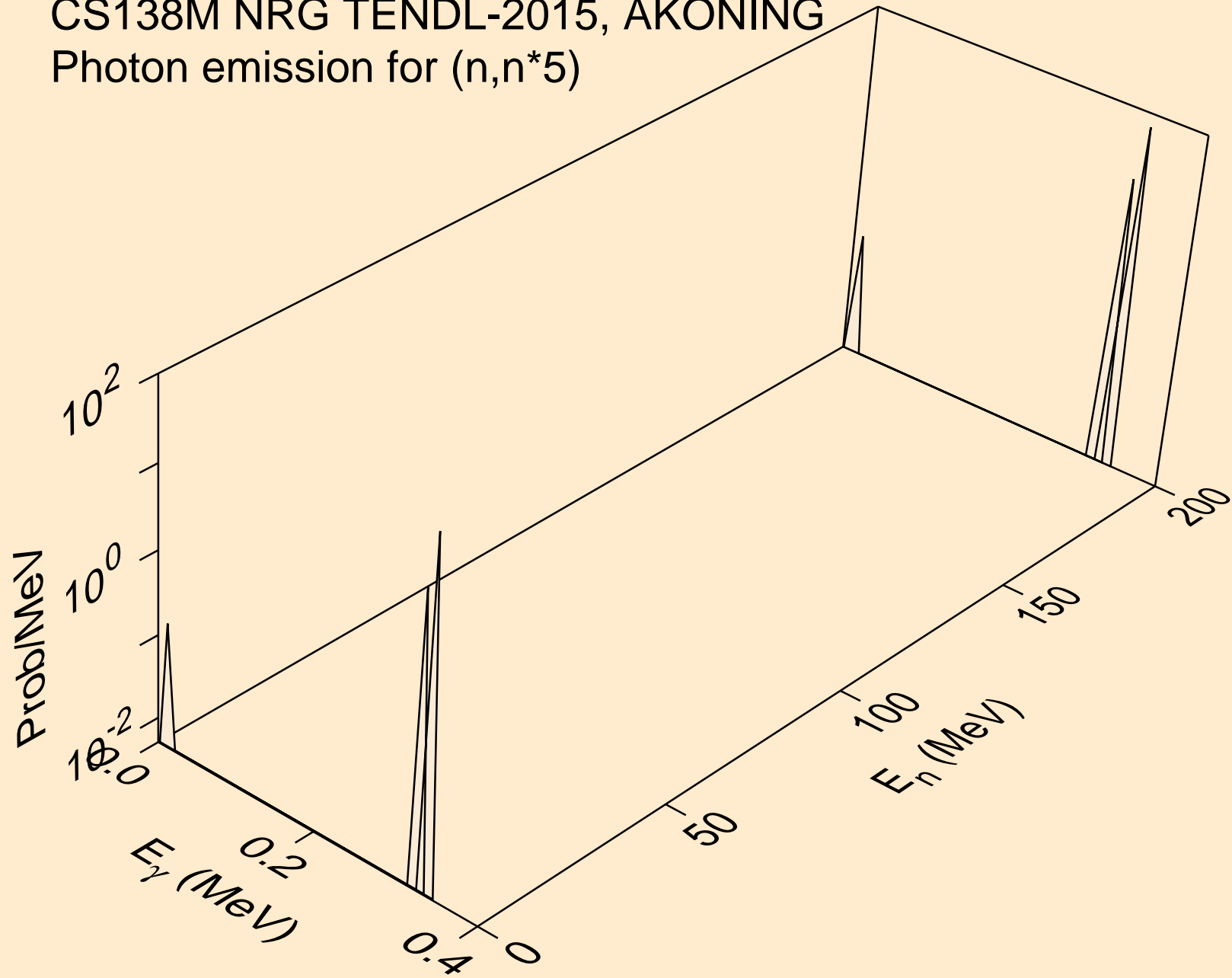
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Photon emission for (n,n\*2)



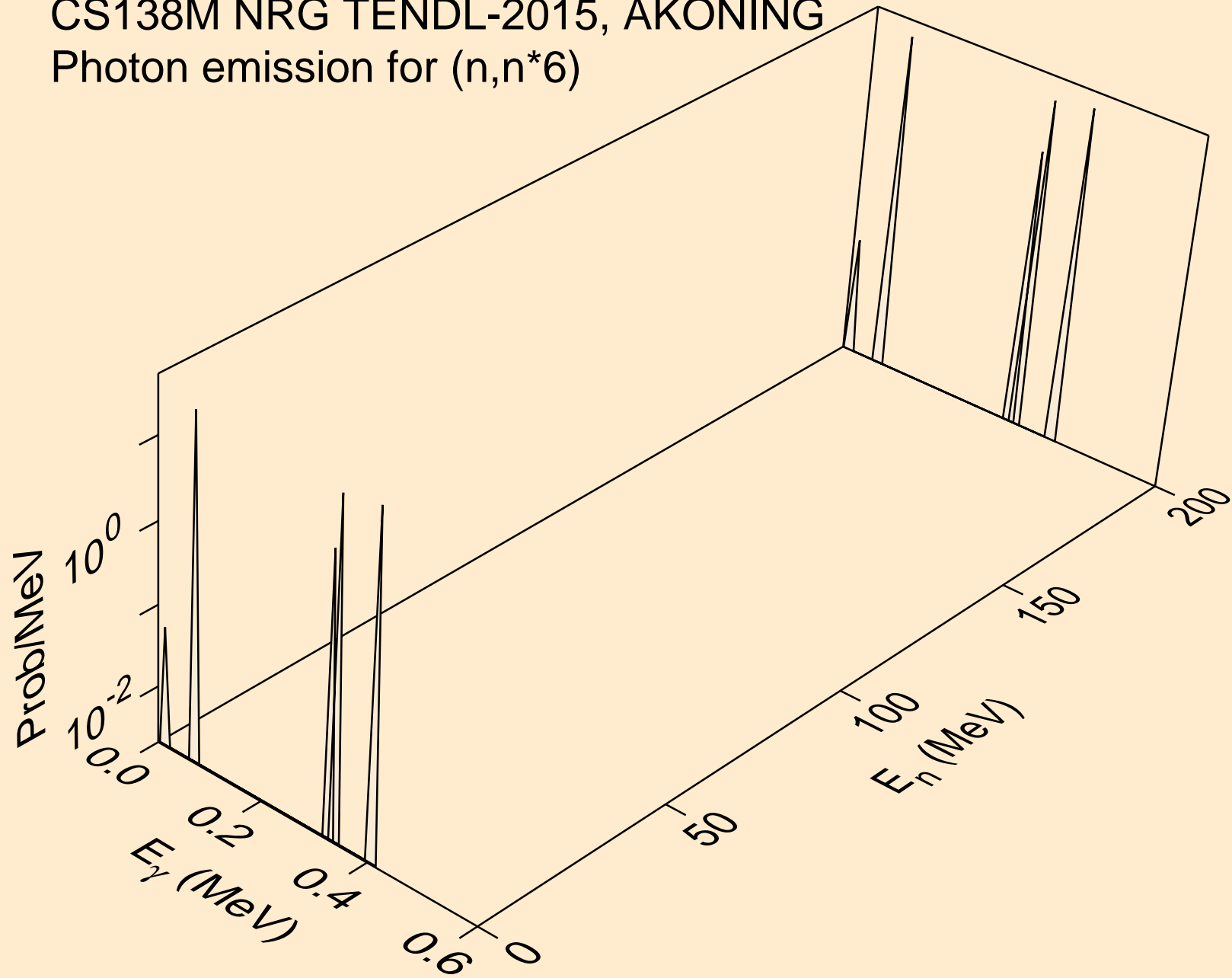
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Photon emission for (n,n\*4)



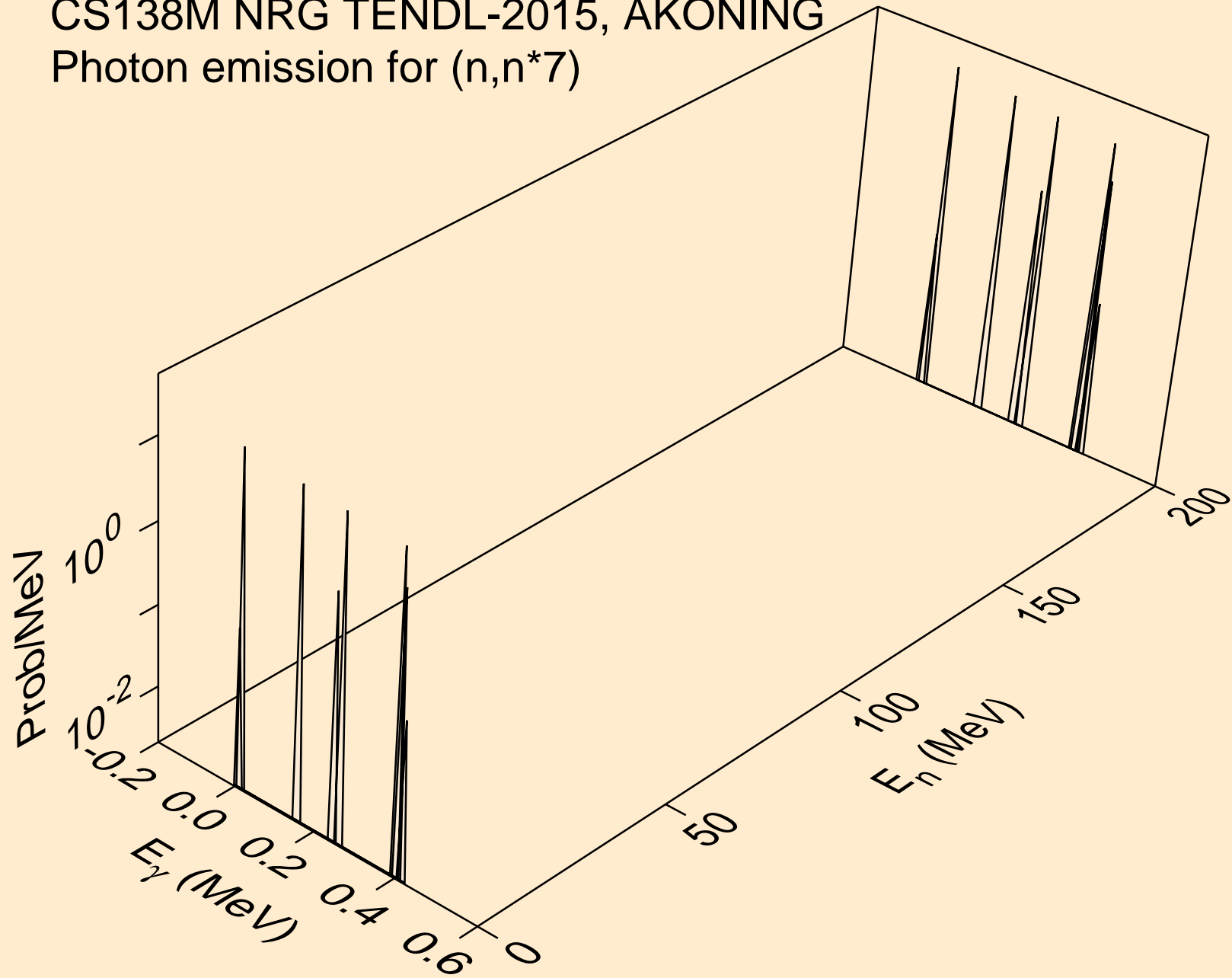
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Photon emission for (n,n\*5)



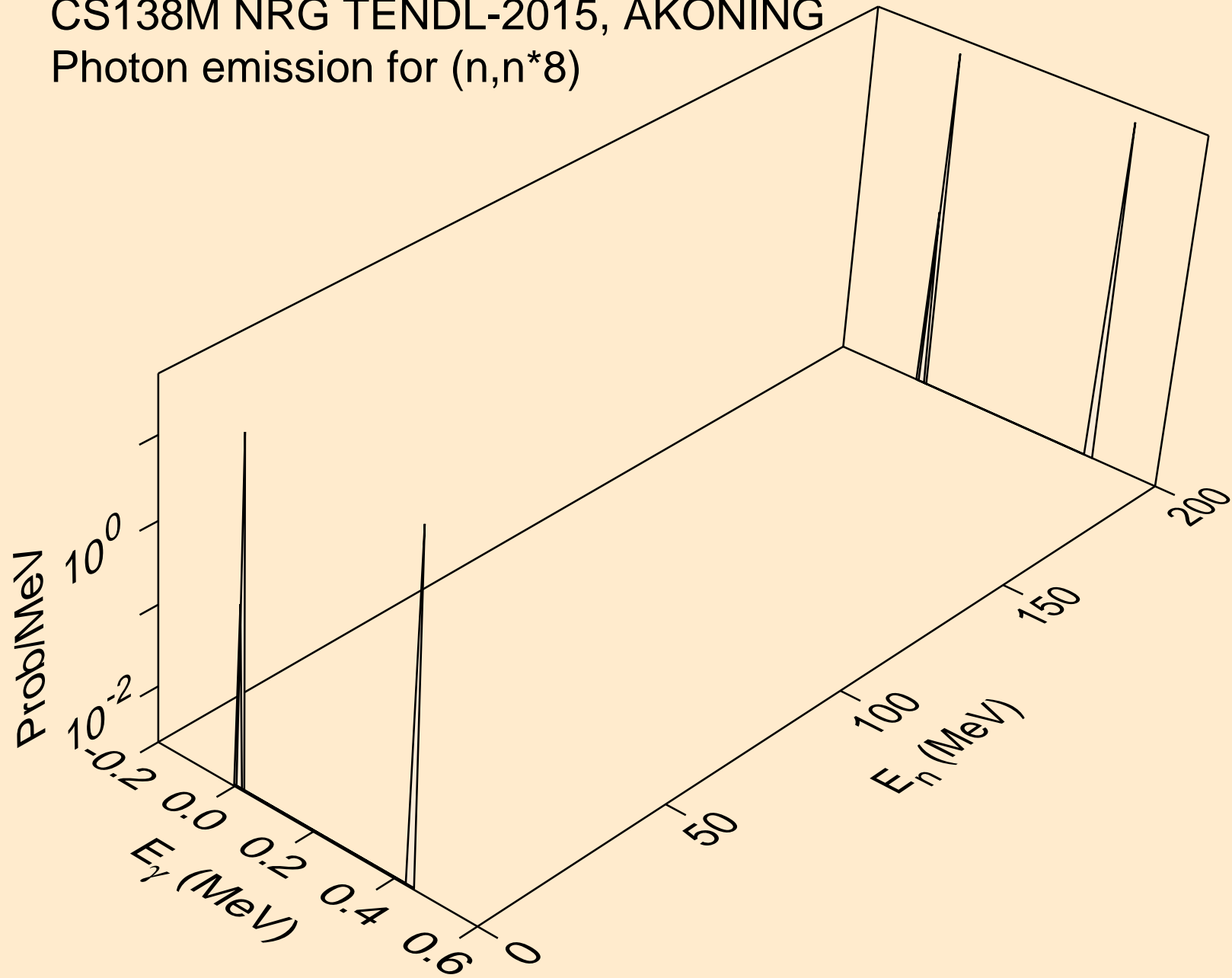
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Photon emission for (n,n\*6)



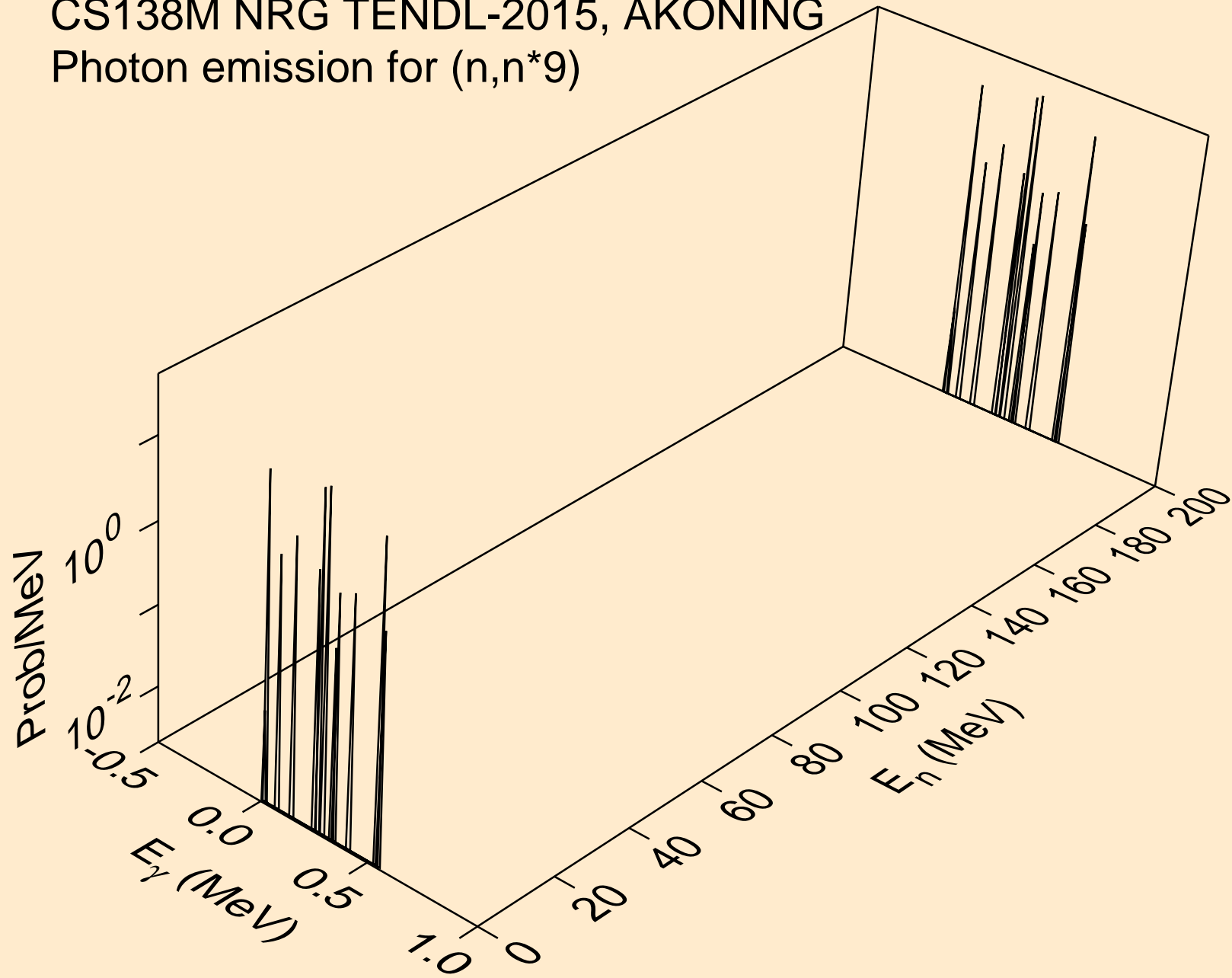
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Photon emission for (n,n\*7)



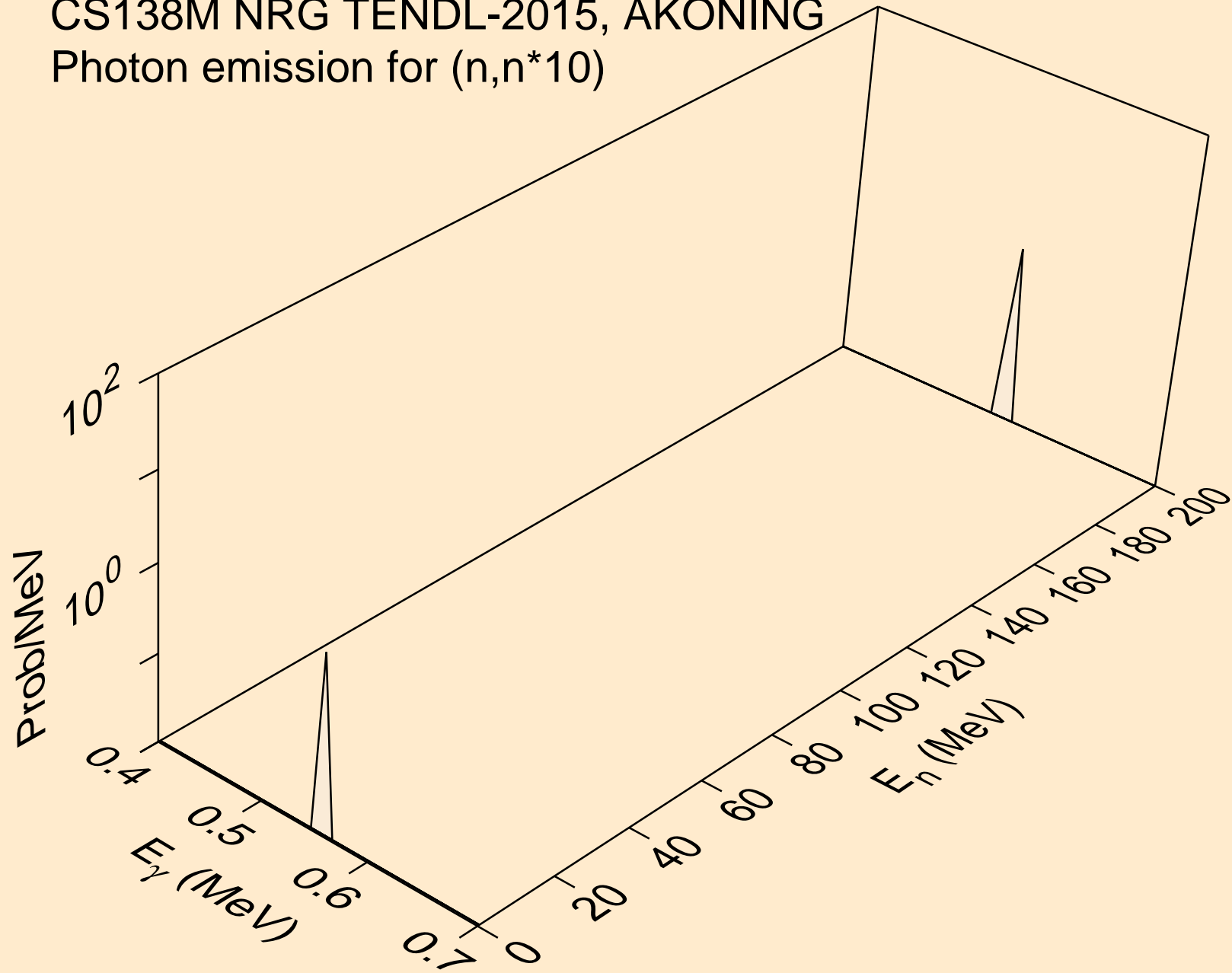
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*8)



CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*9)

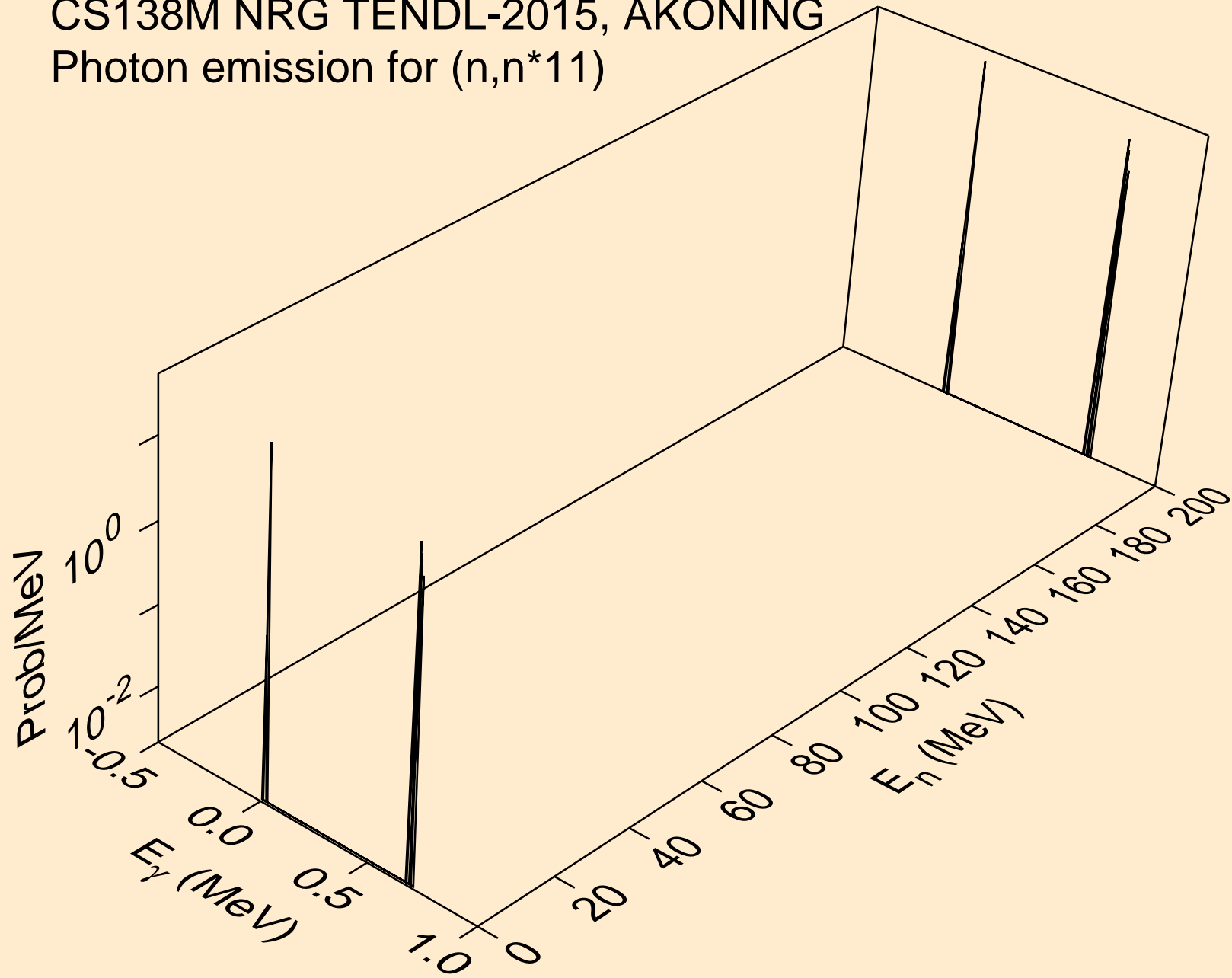


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Photon emission for (n,n\*10)

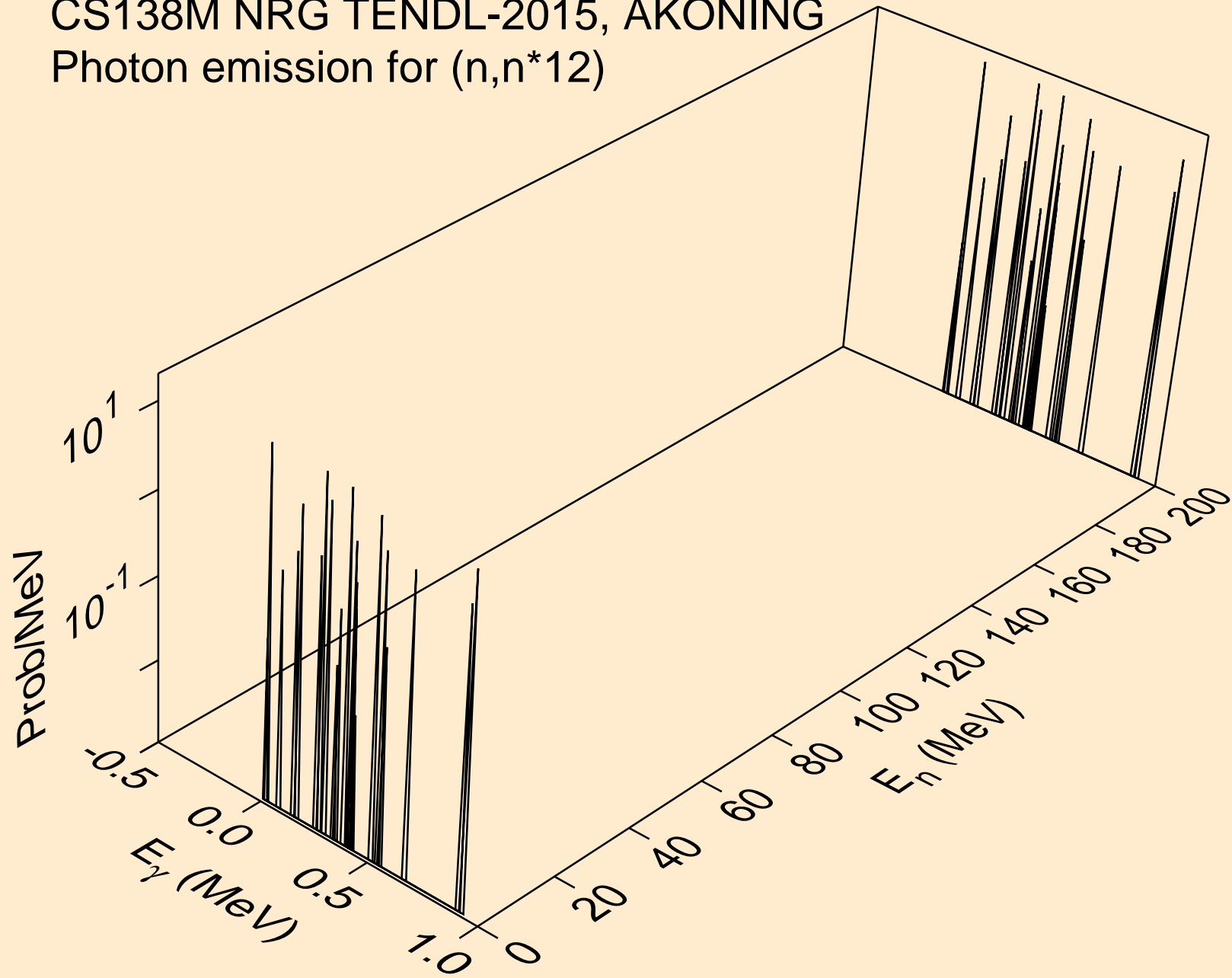




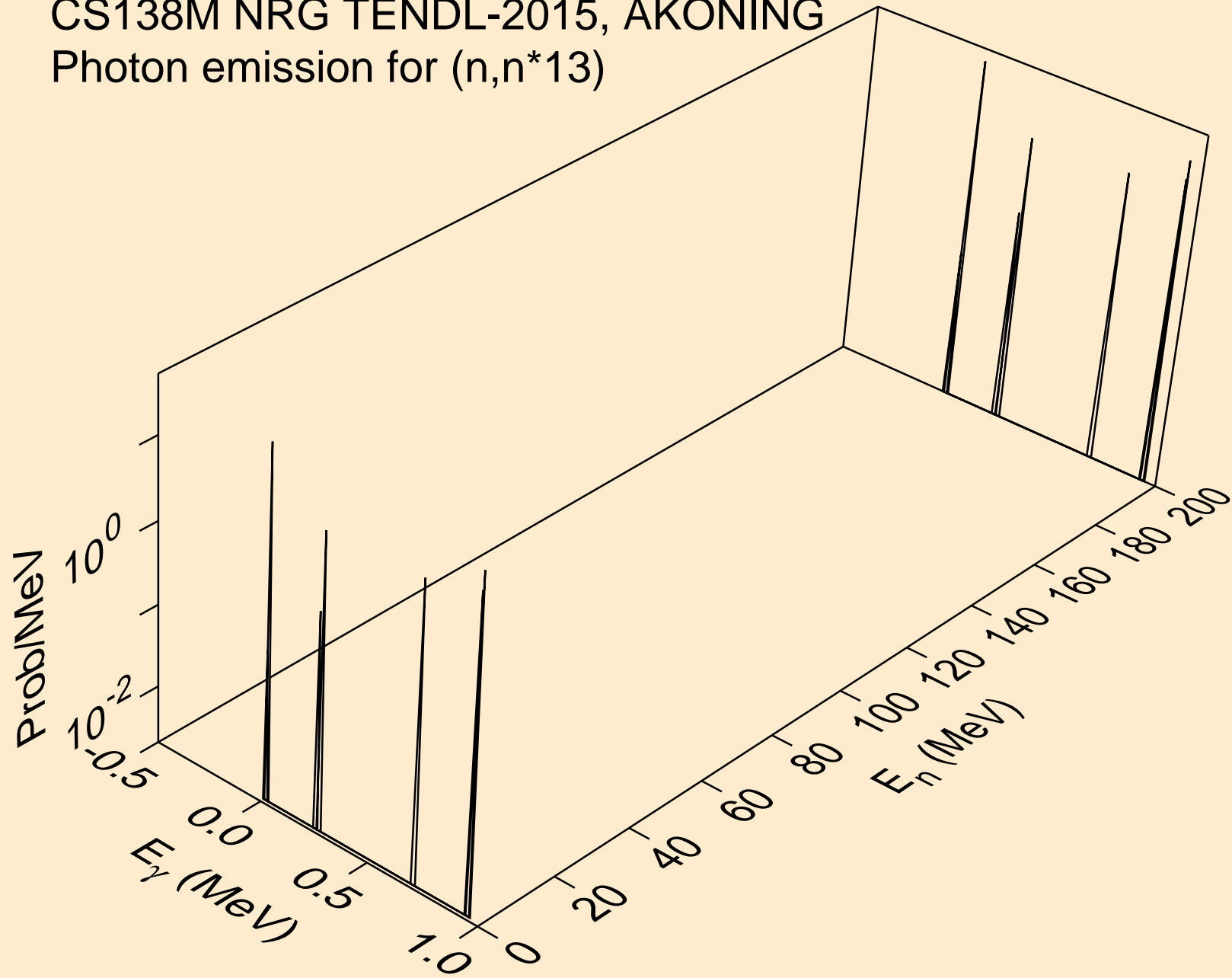
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Photon emission for (n,n\*11)



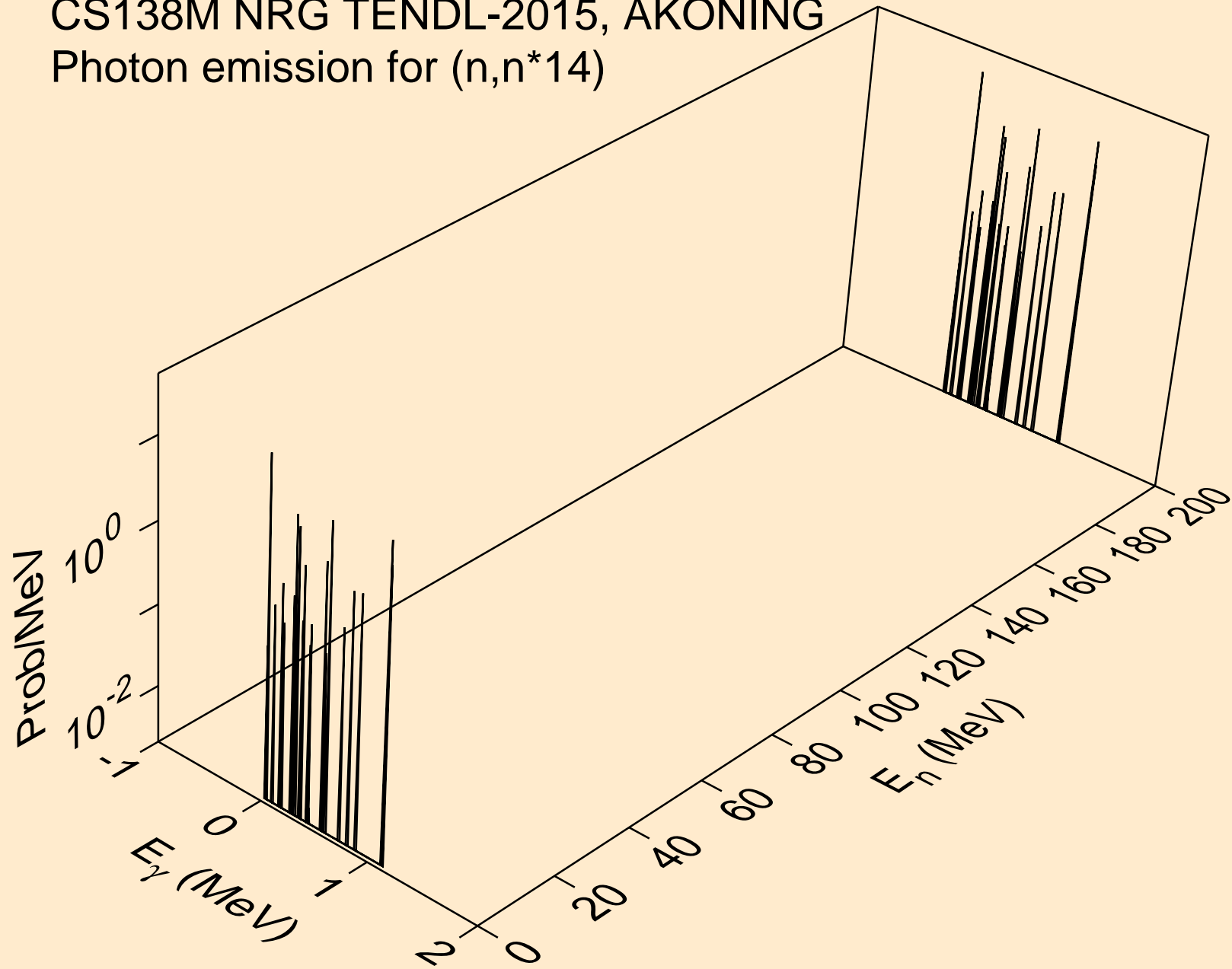
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Photon emission for (n,n\*12)



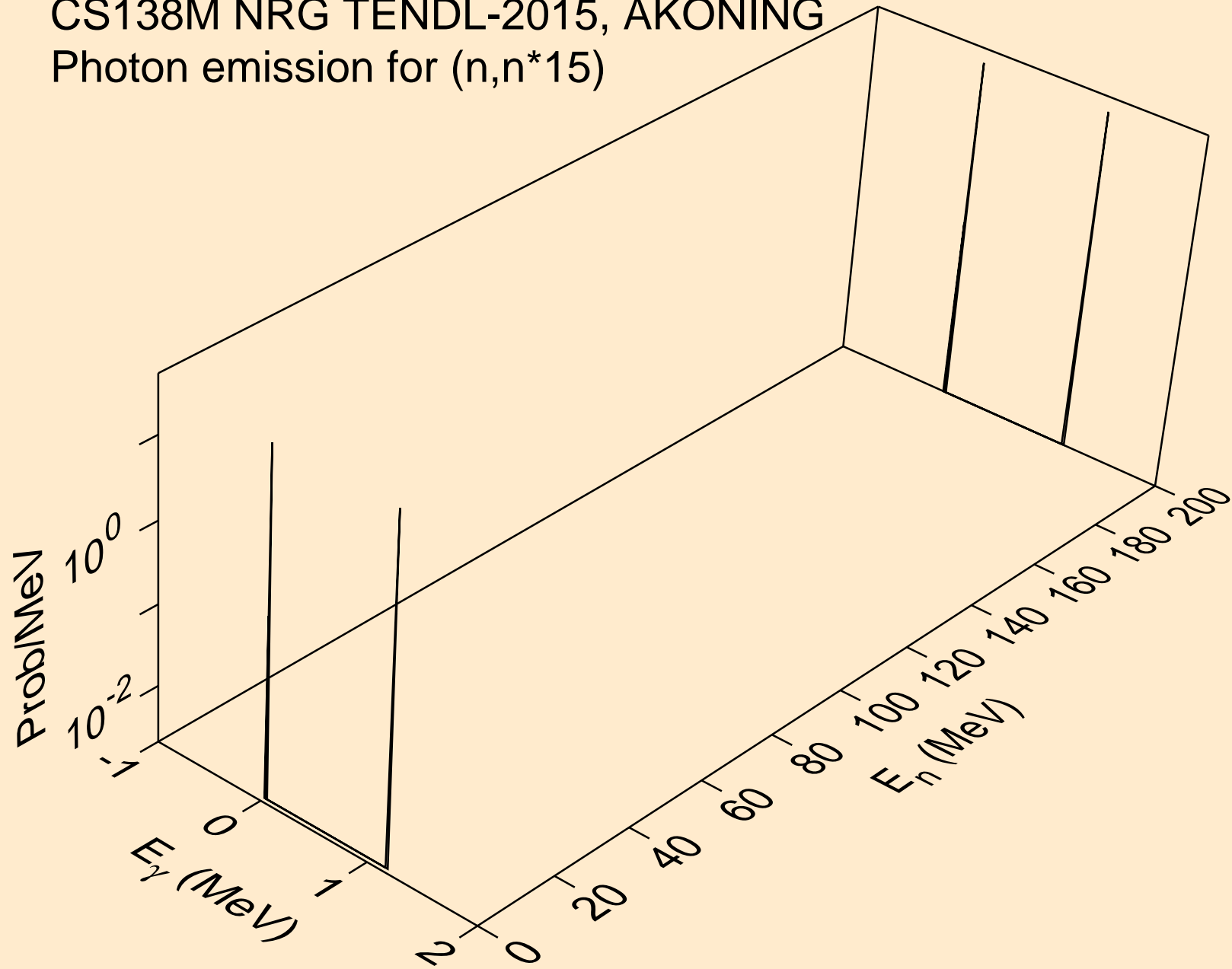
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Photon emission for (n,n\*13)



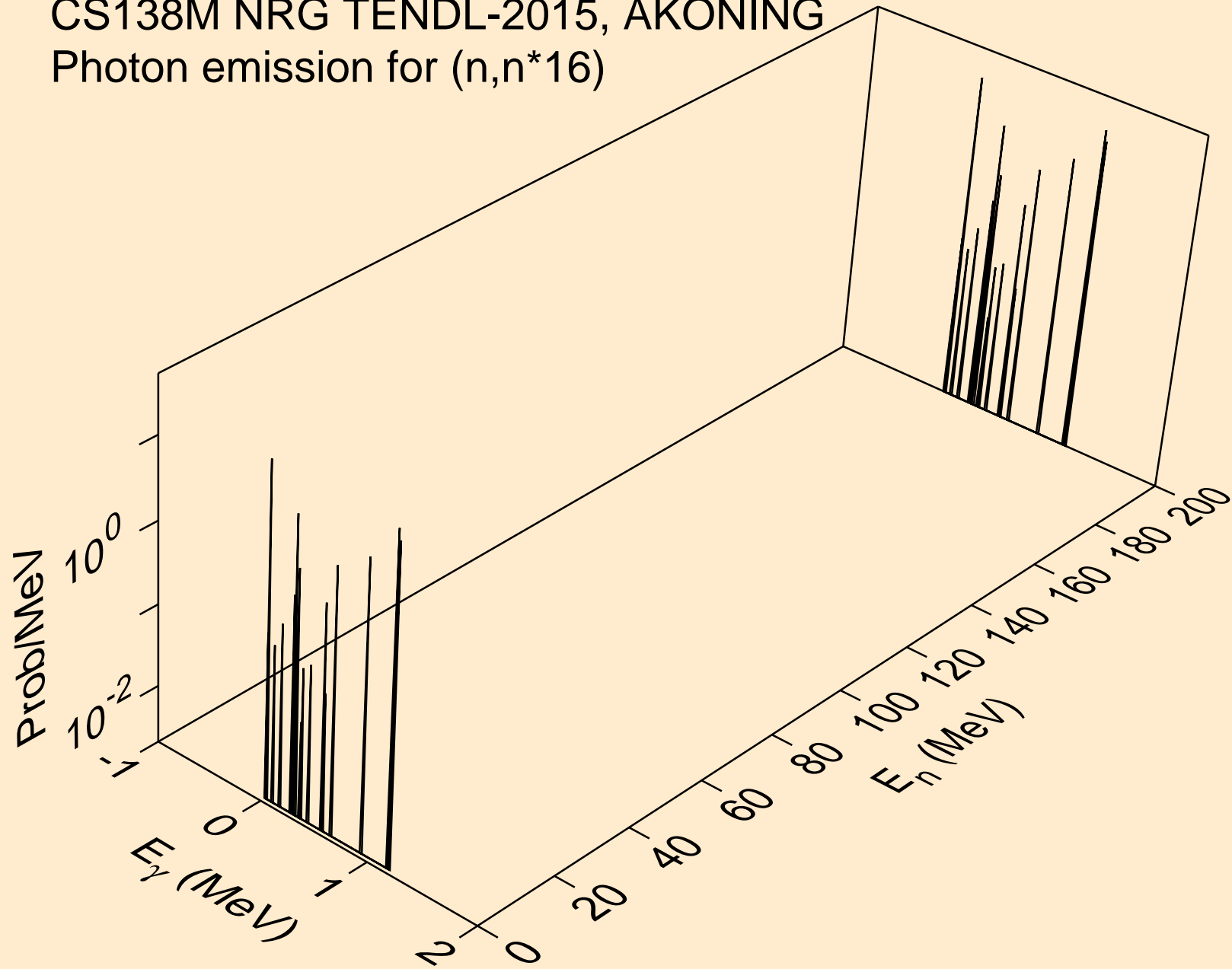
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Photon emission for (n,n\*14)



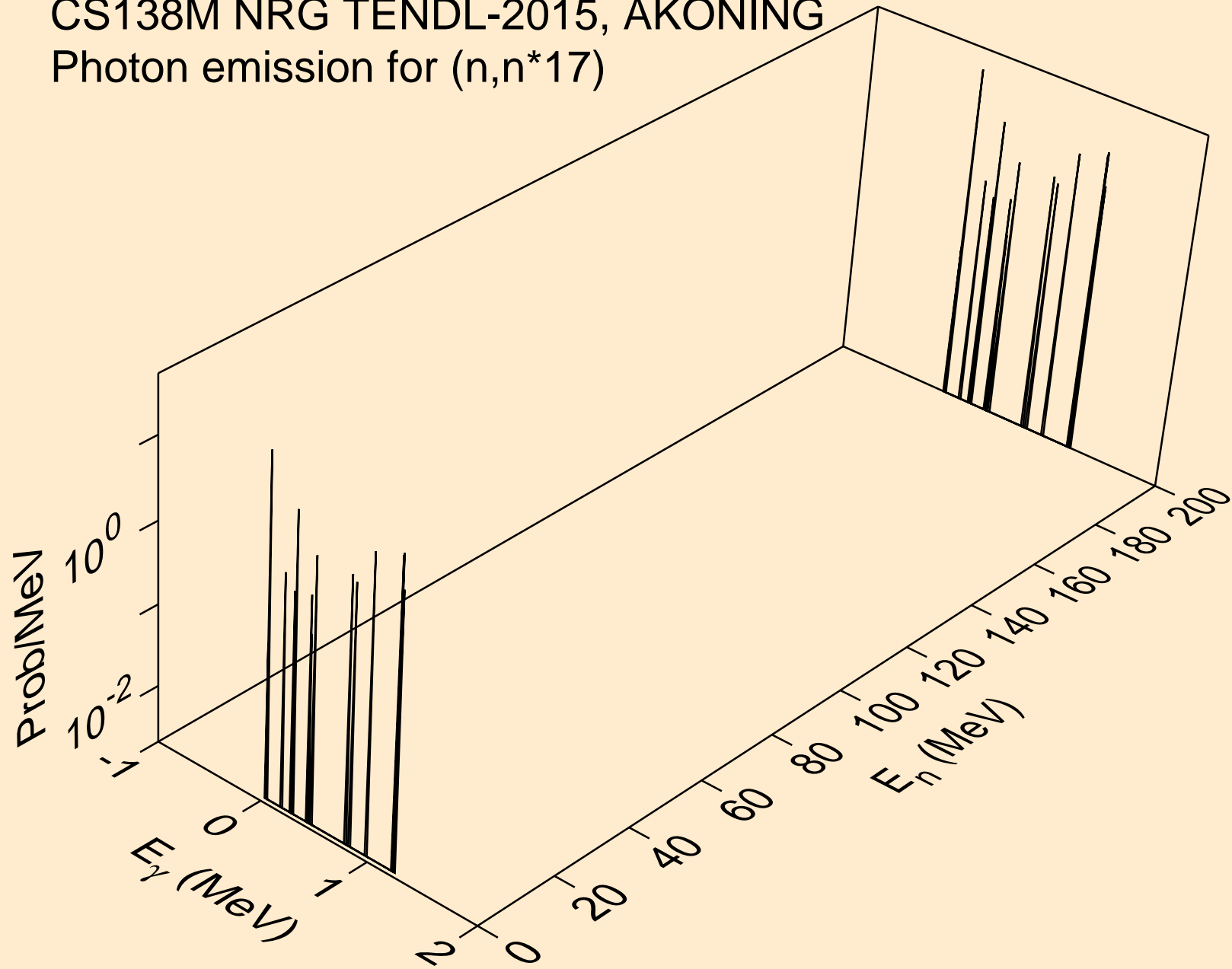
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Photon emission for (n,n\*15)



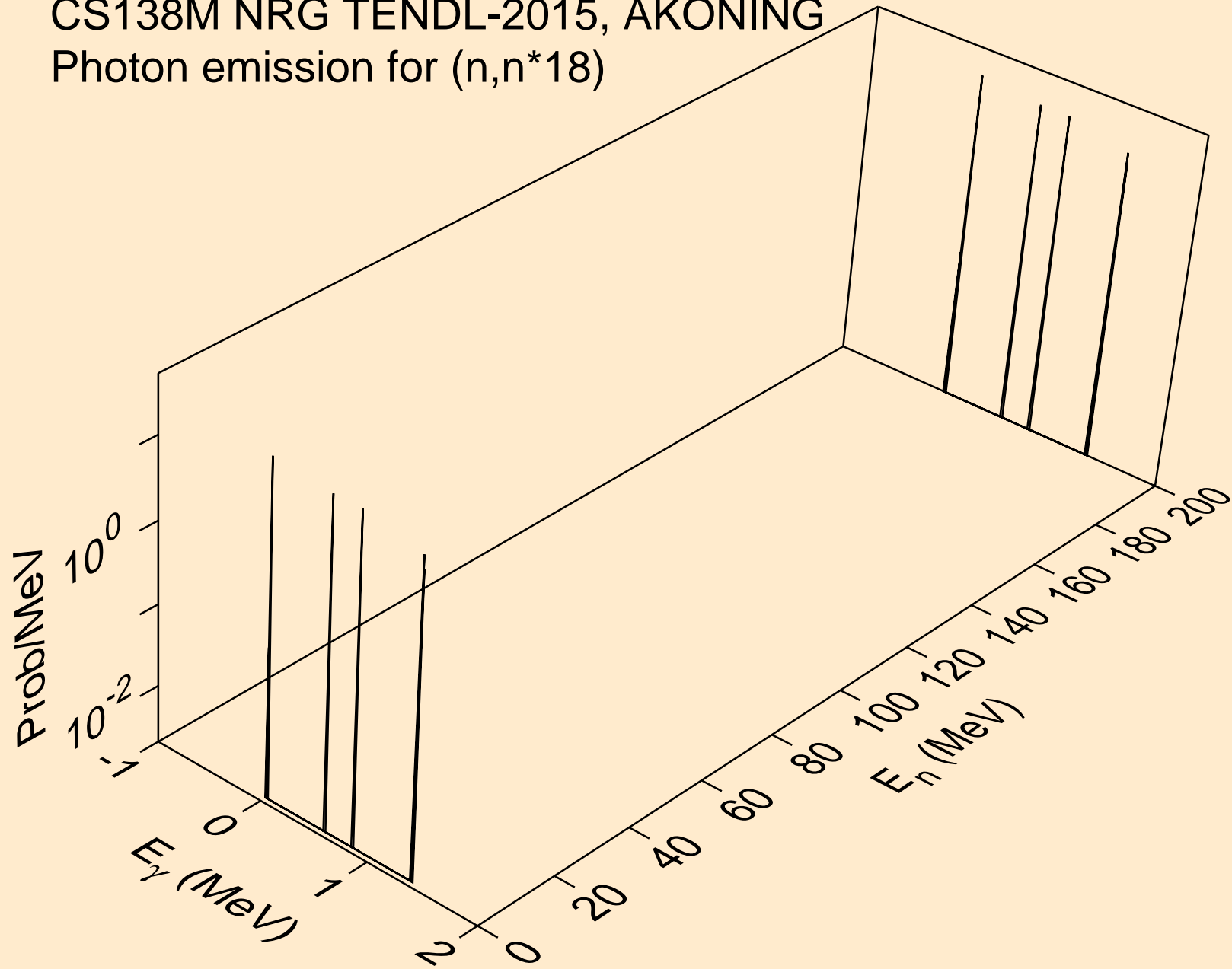
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Photon emission for (n,n\*16)



CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*17)

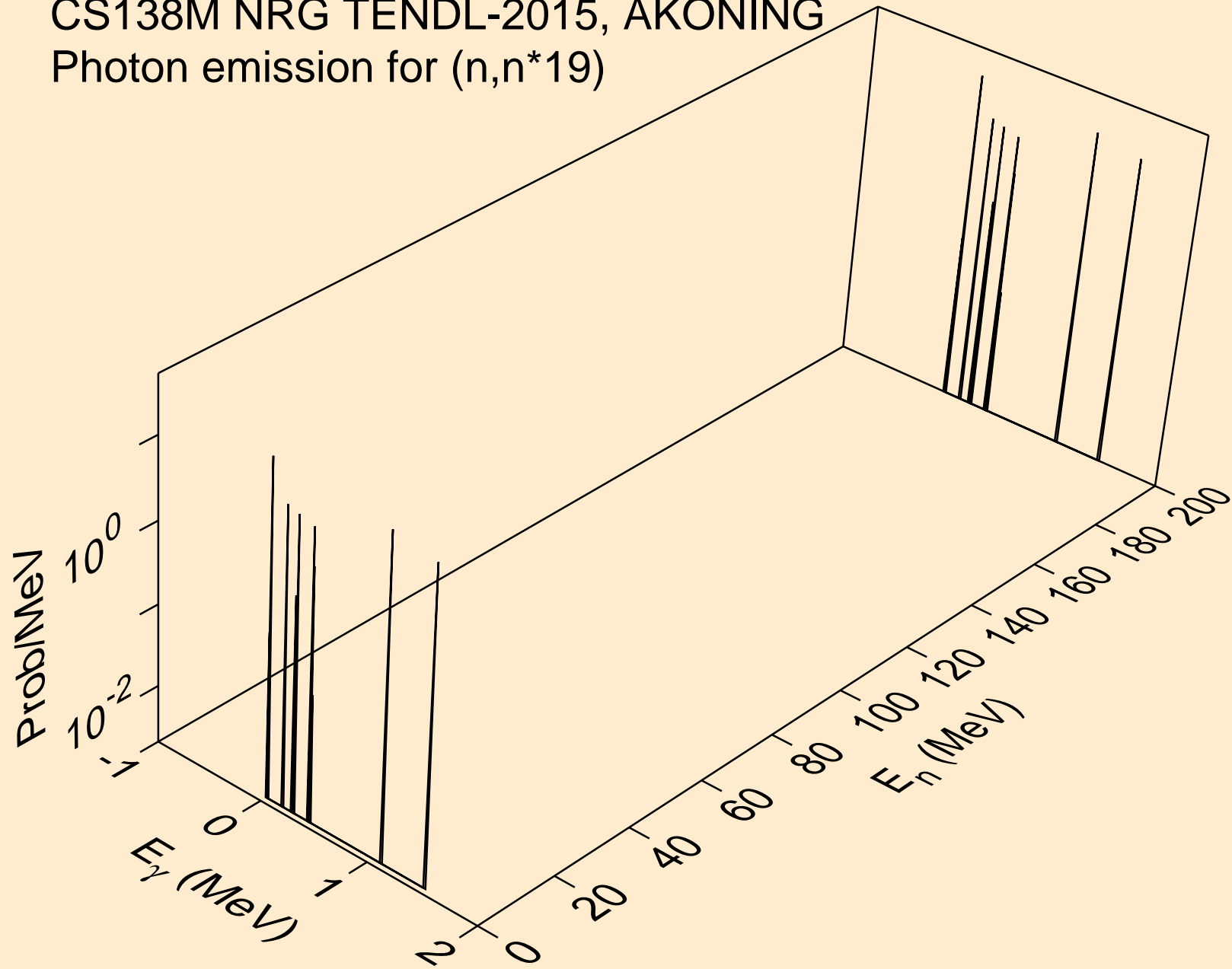


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Photon emission for (n,n\*18)

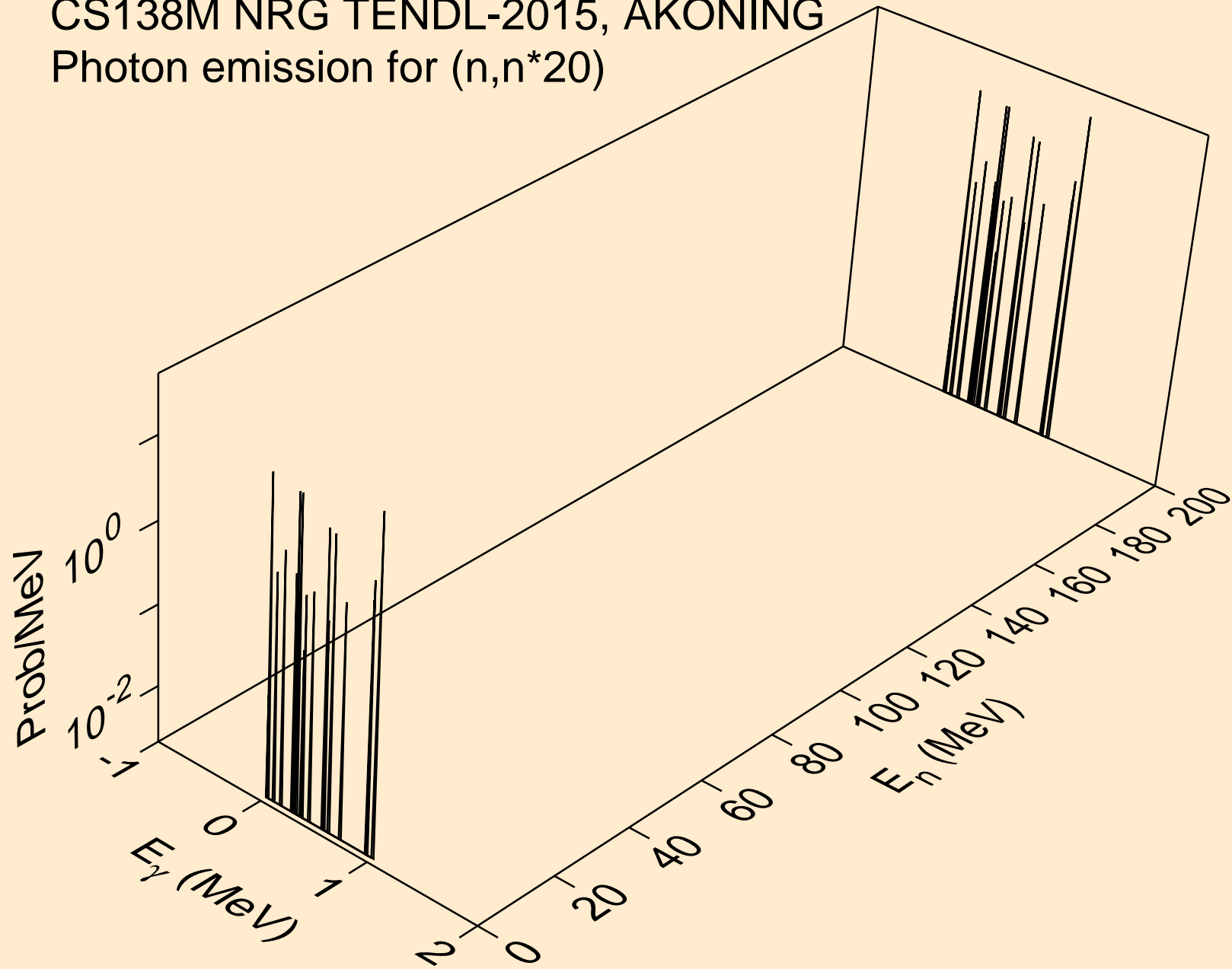




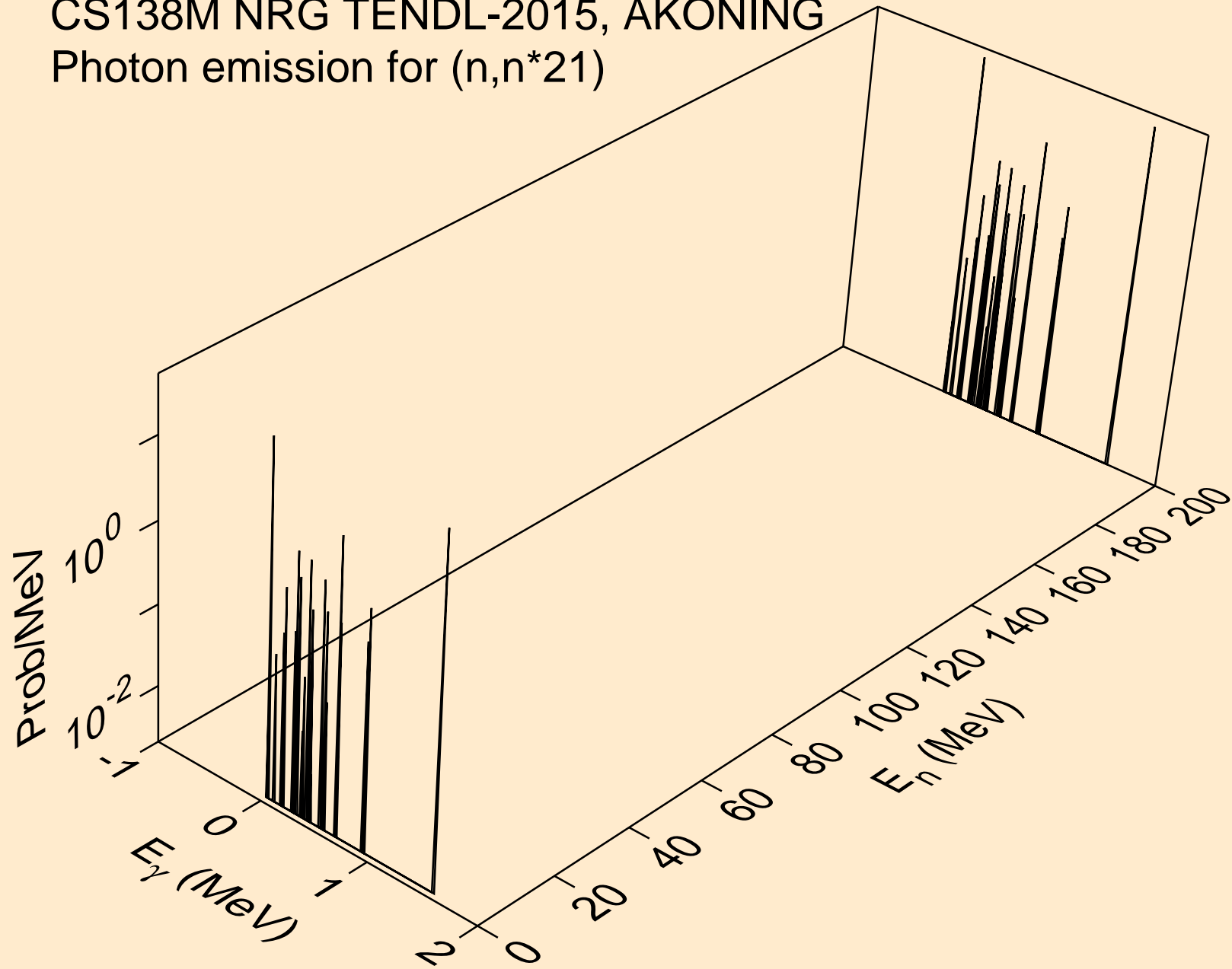
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Photon emission for (n,n\*19)



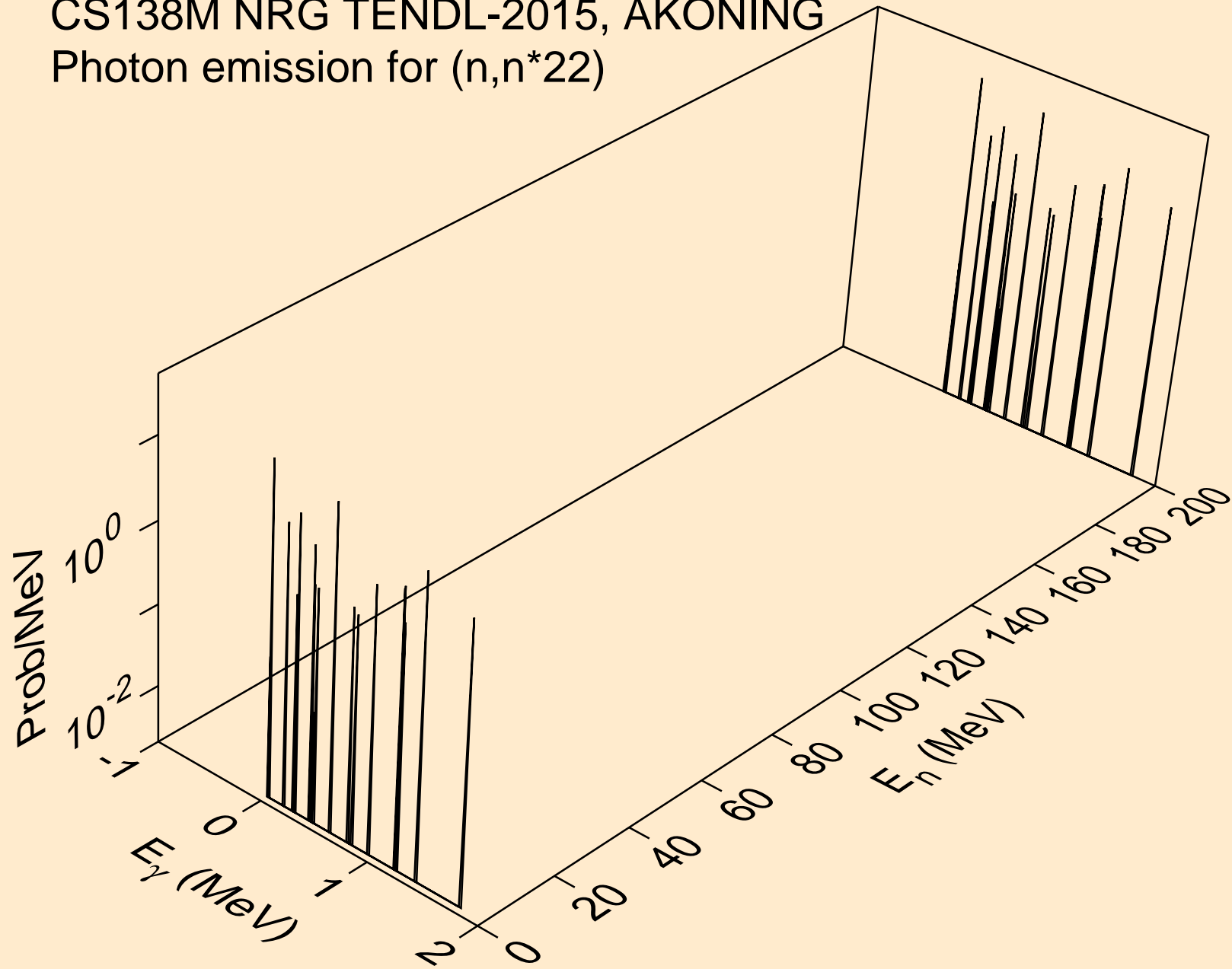
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Photon emission for (n,n\*20)



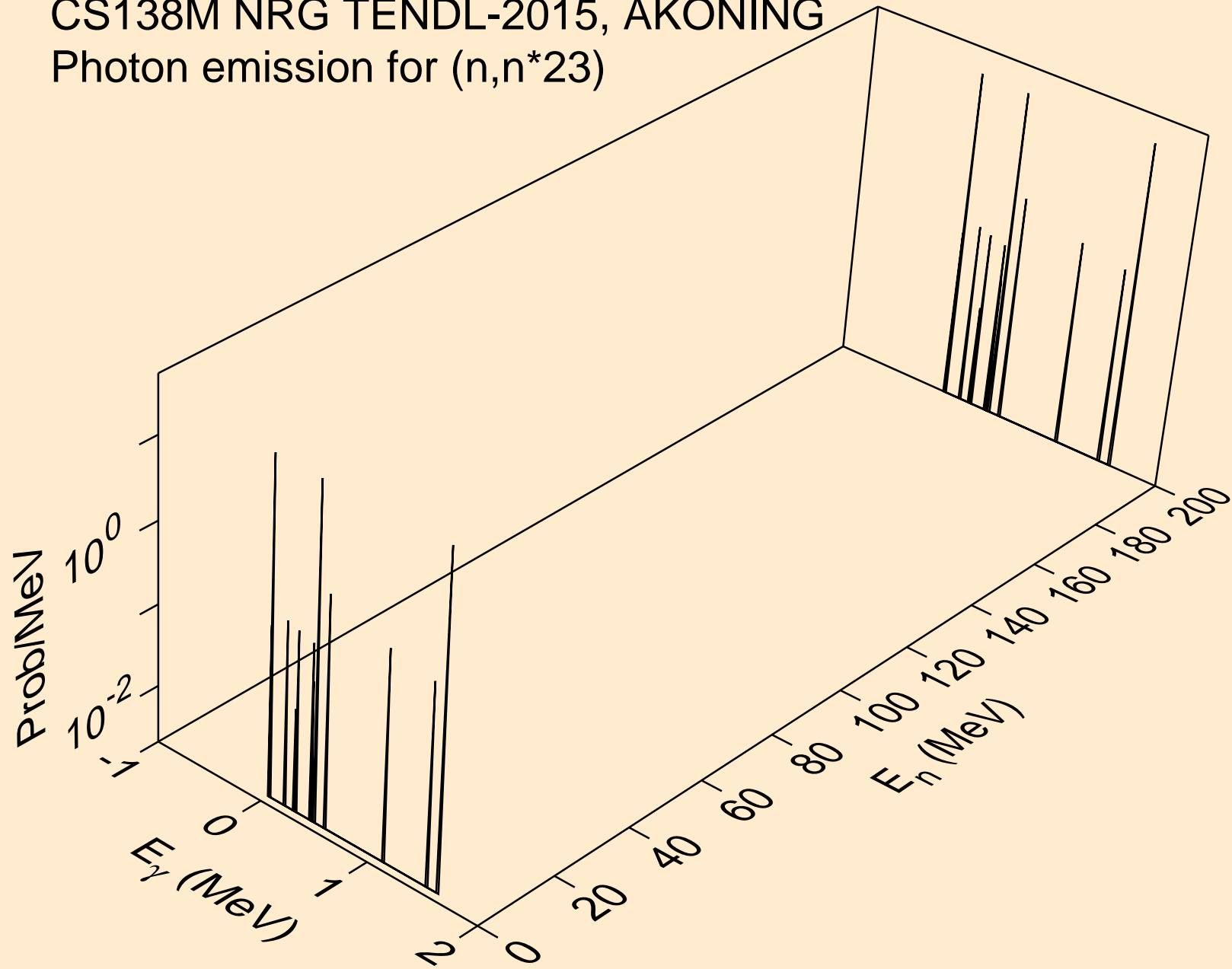
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Photon emission for (n,n\*21)



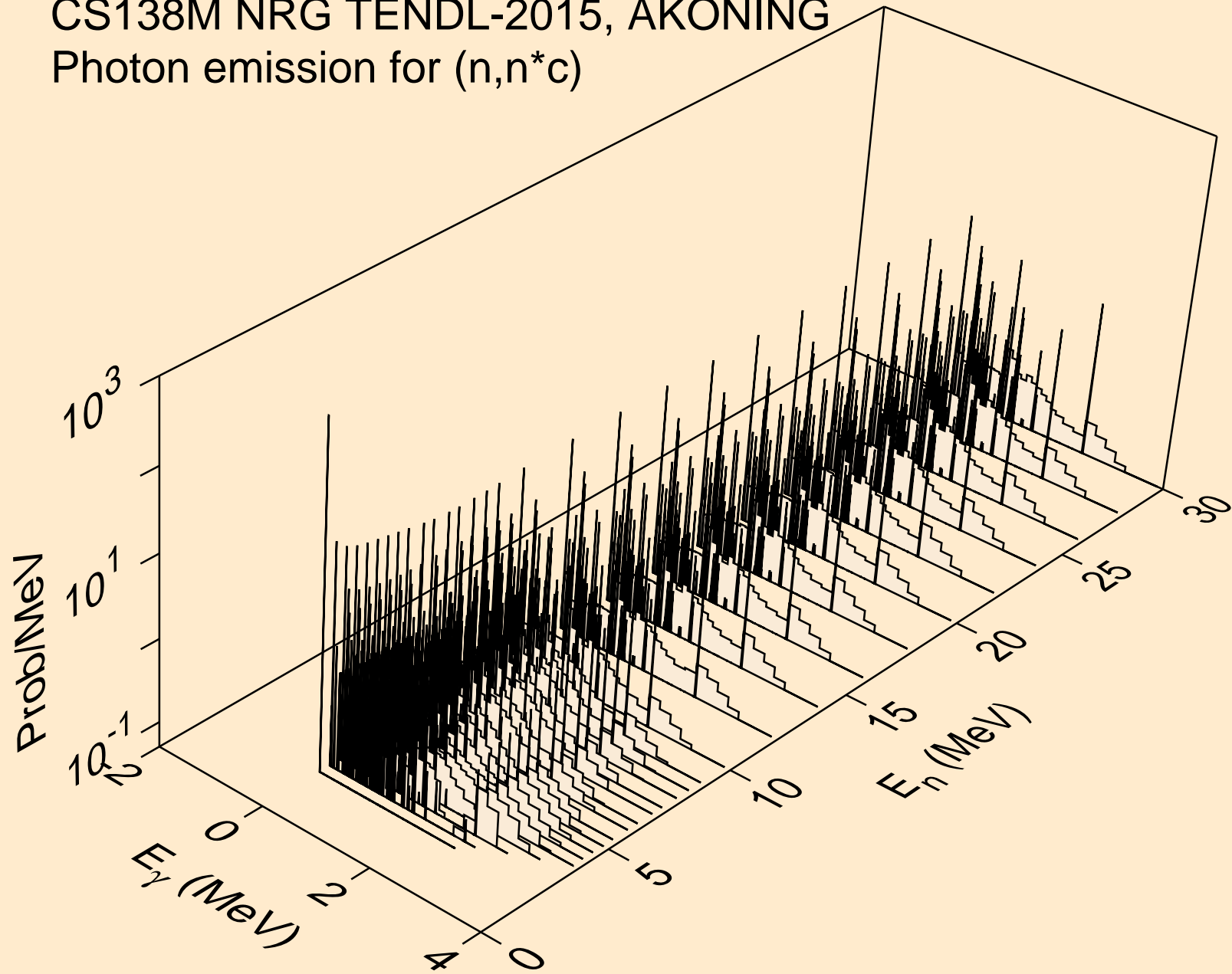
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Photon emission for (n,n\*22)



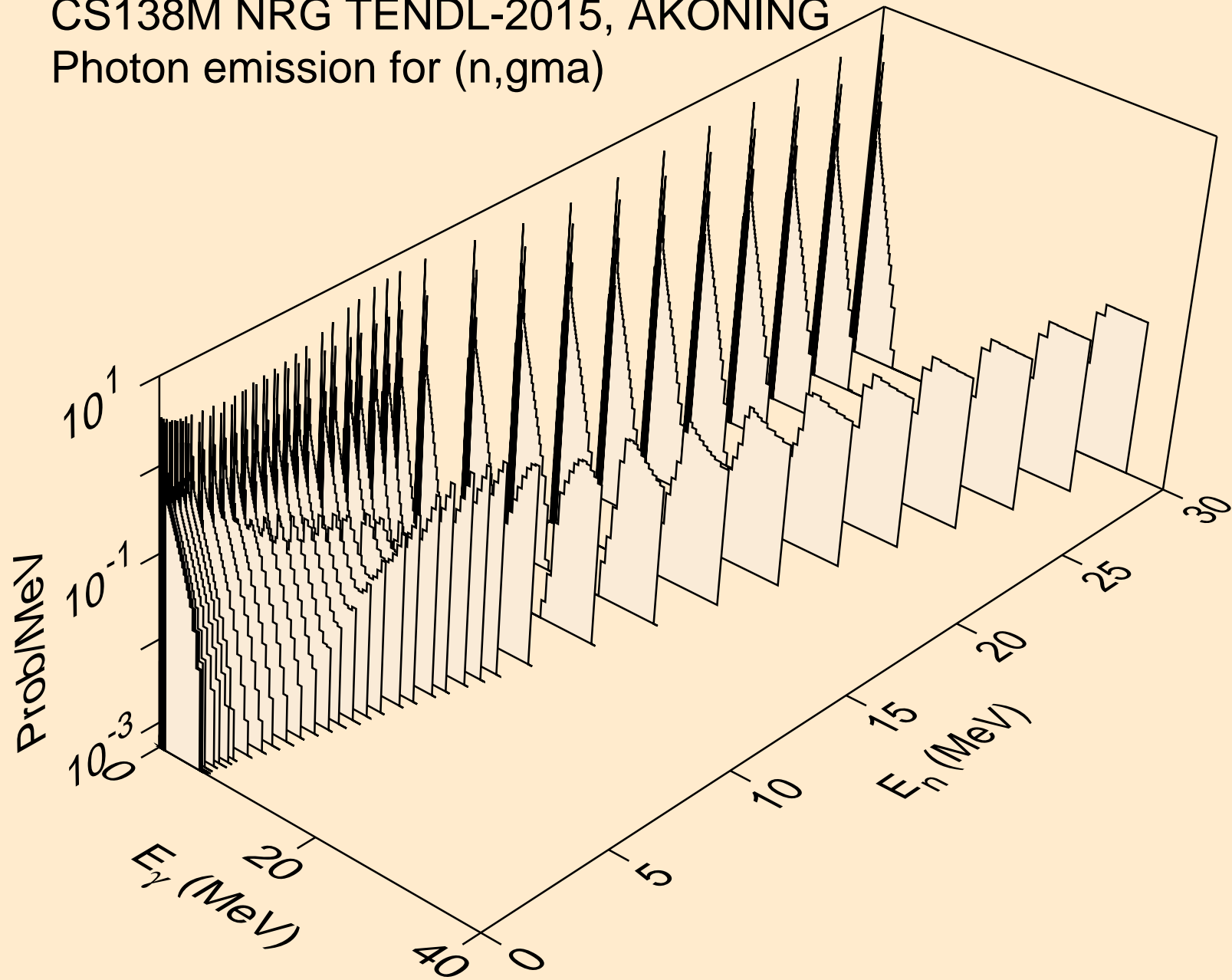
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Photon emission for (n,n\*23)



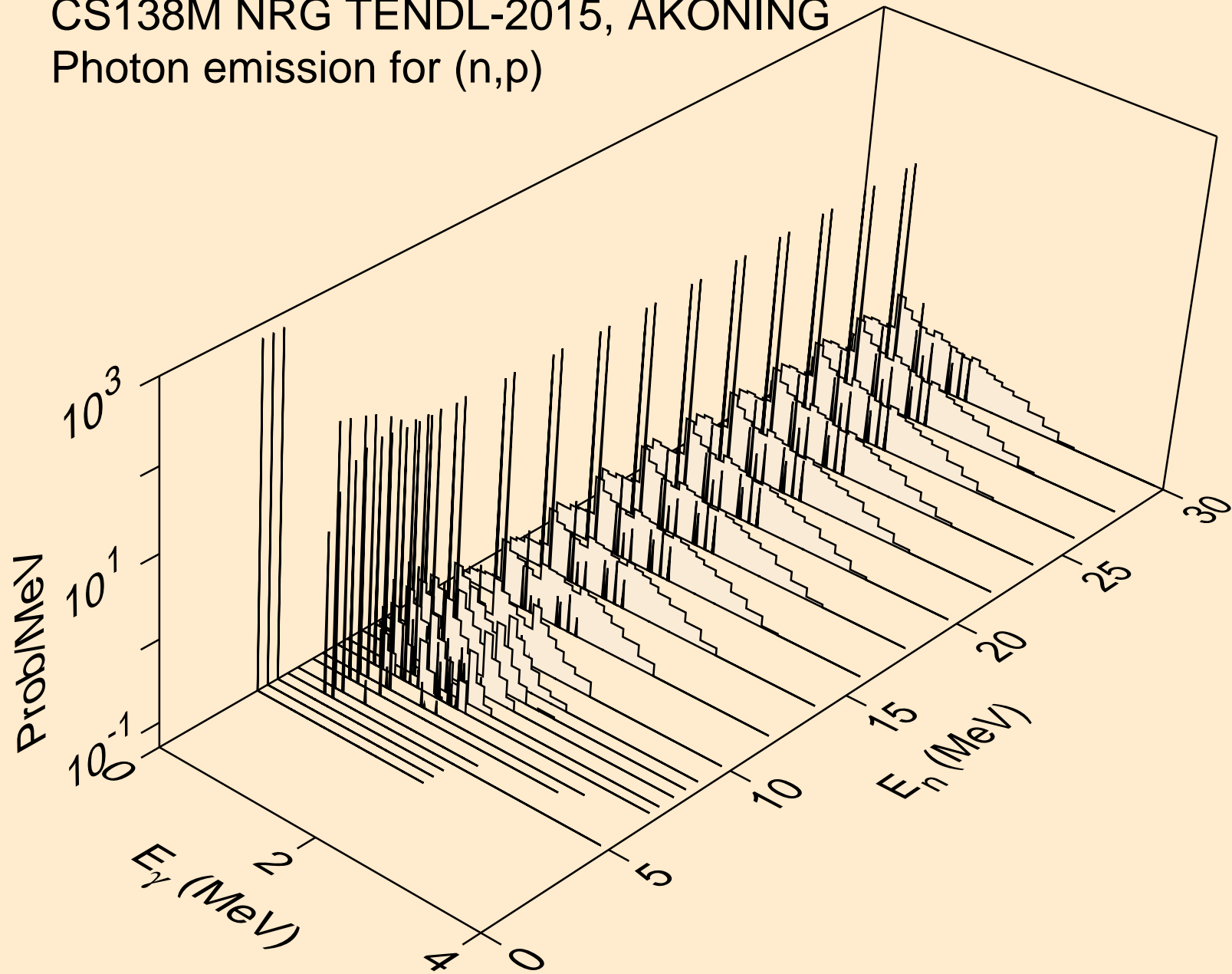
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Photon emission for (n,n\*c)



CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

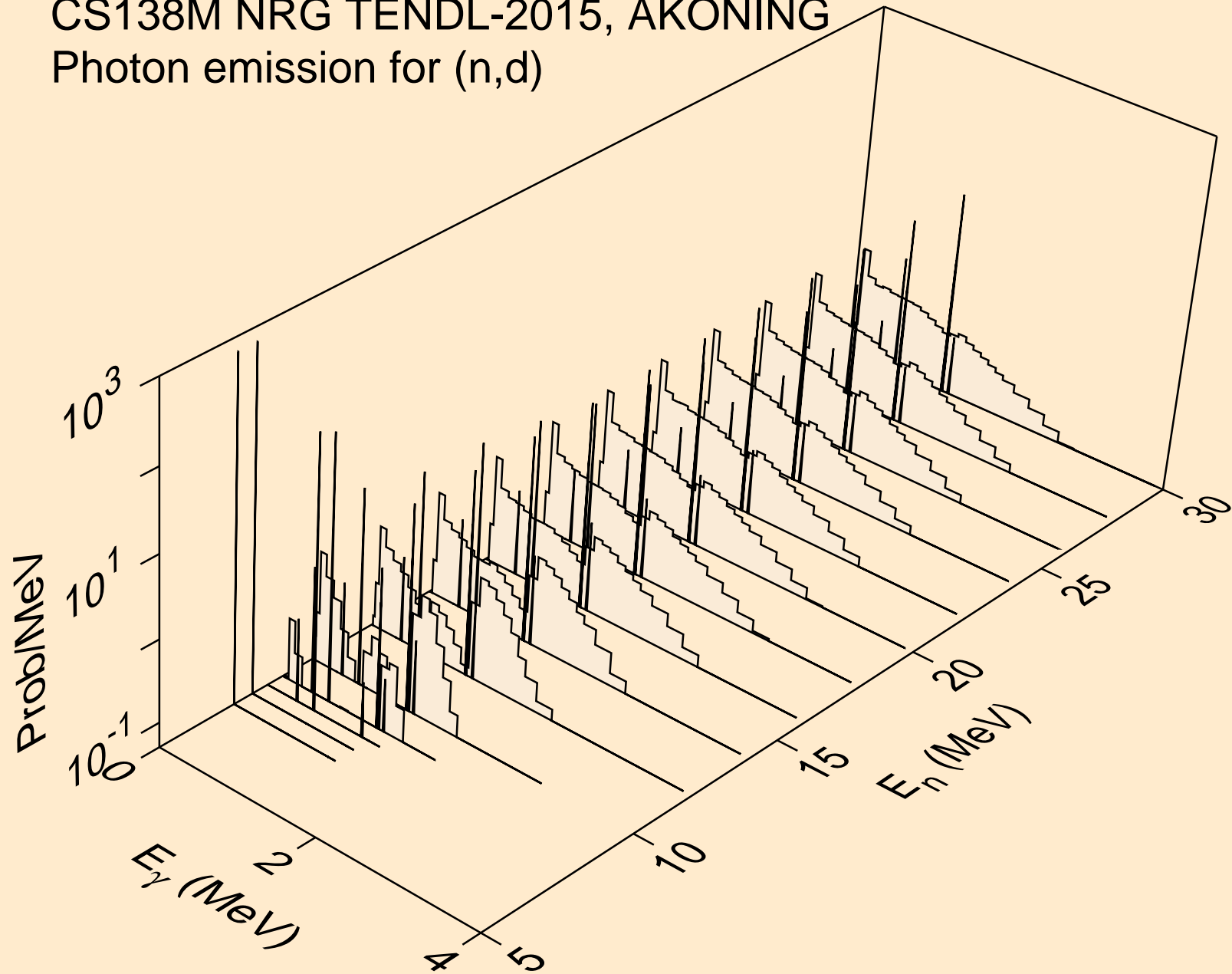


CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,p)

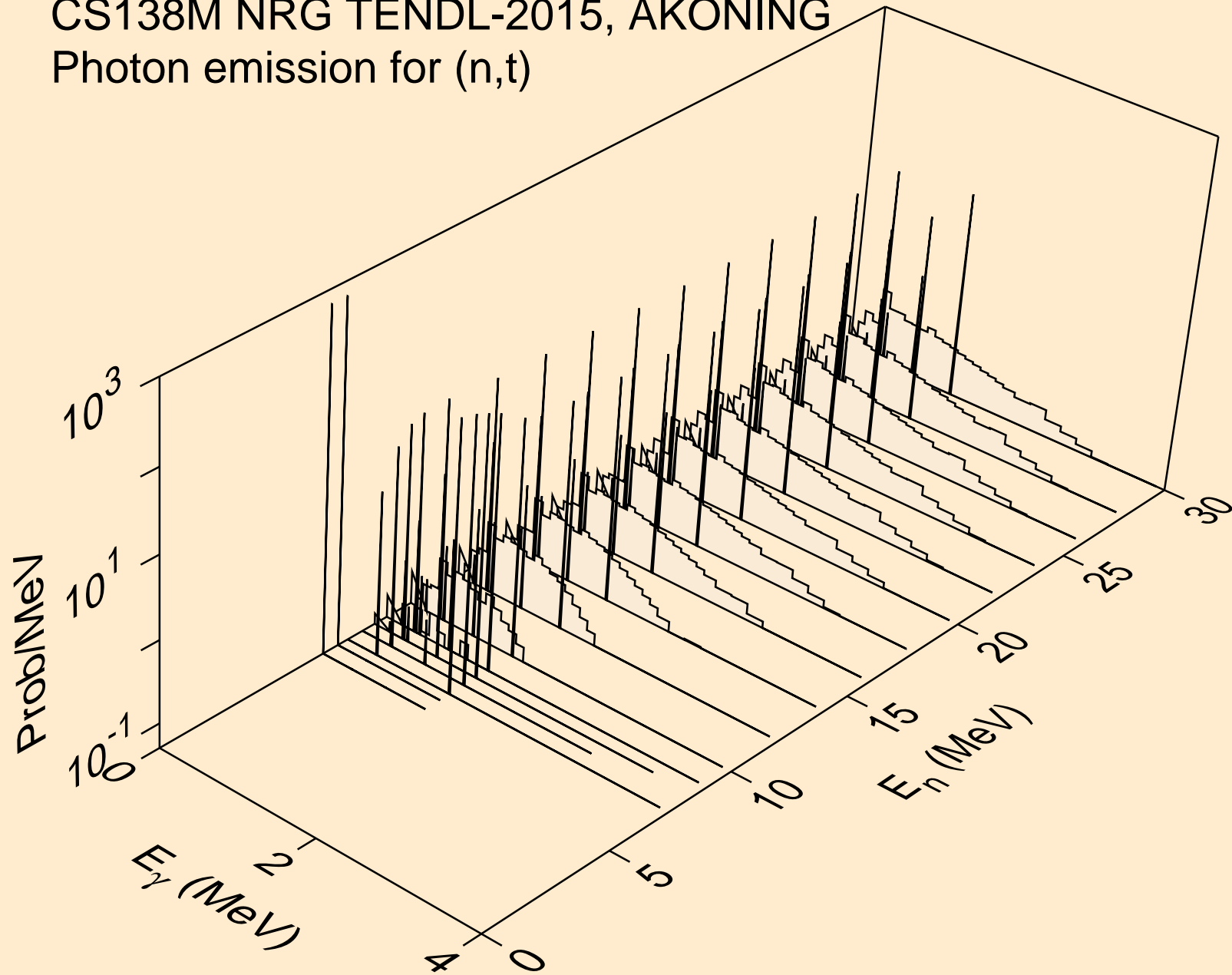




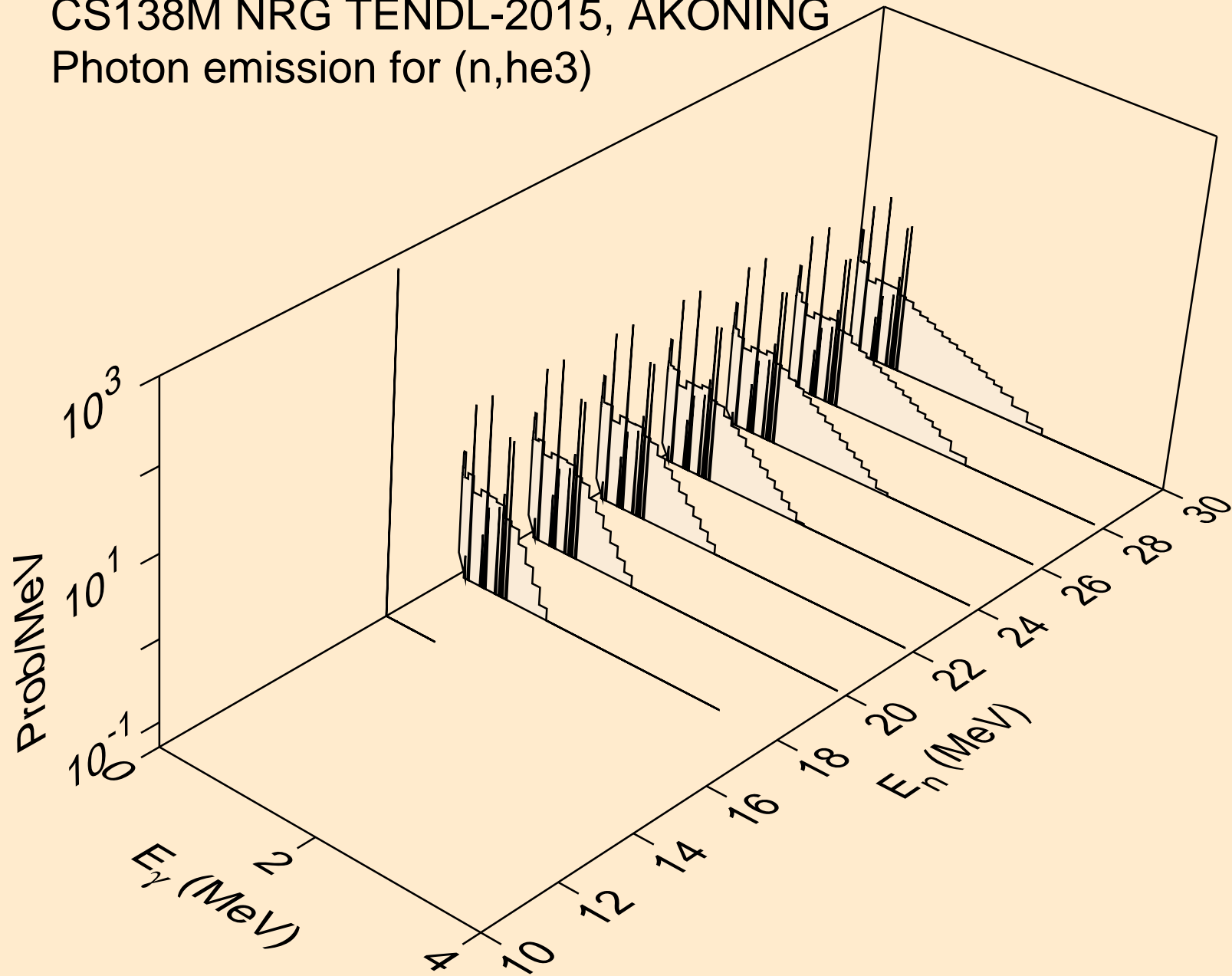
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Photon emission for (n,d)



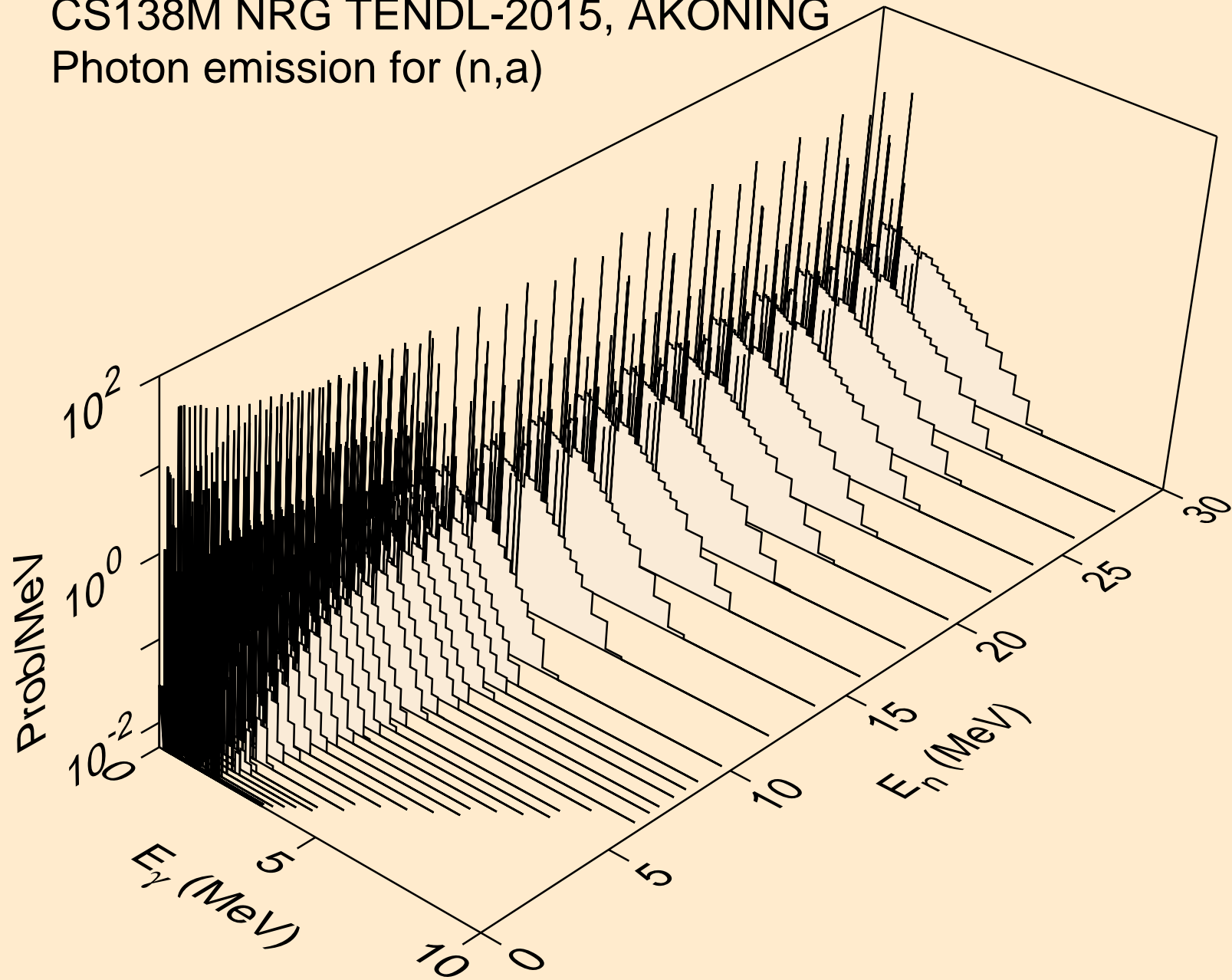
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Photon emission for (n,t)



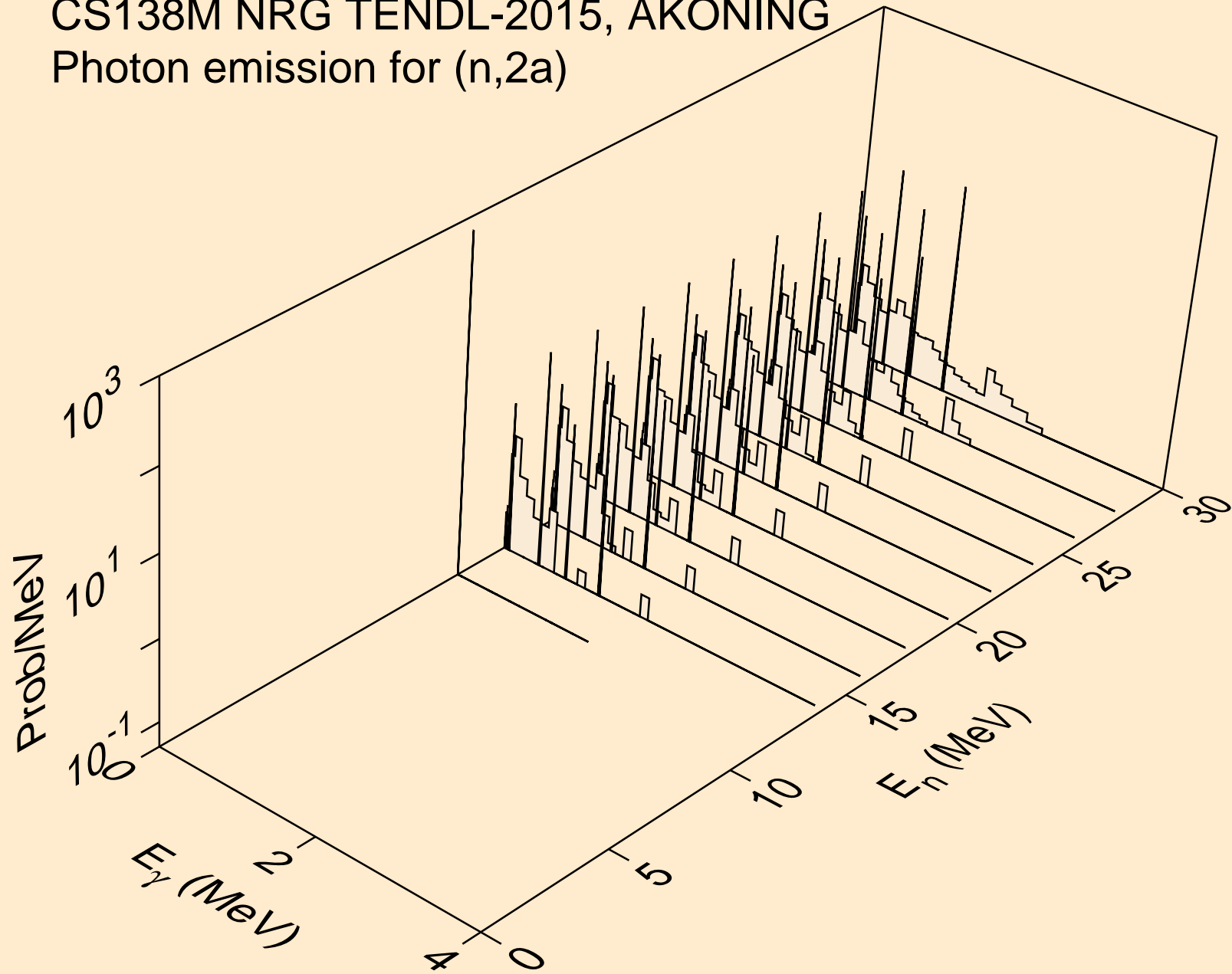
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Photon emission for (n,he3)



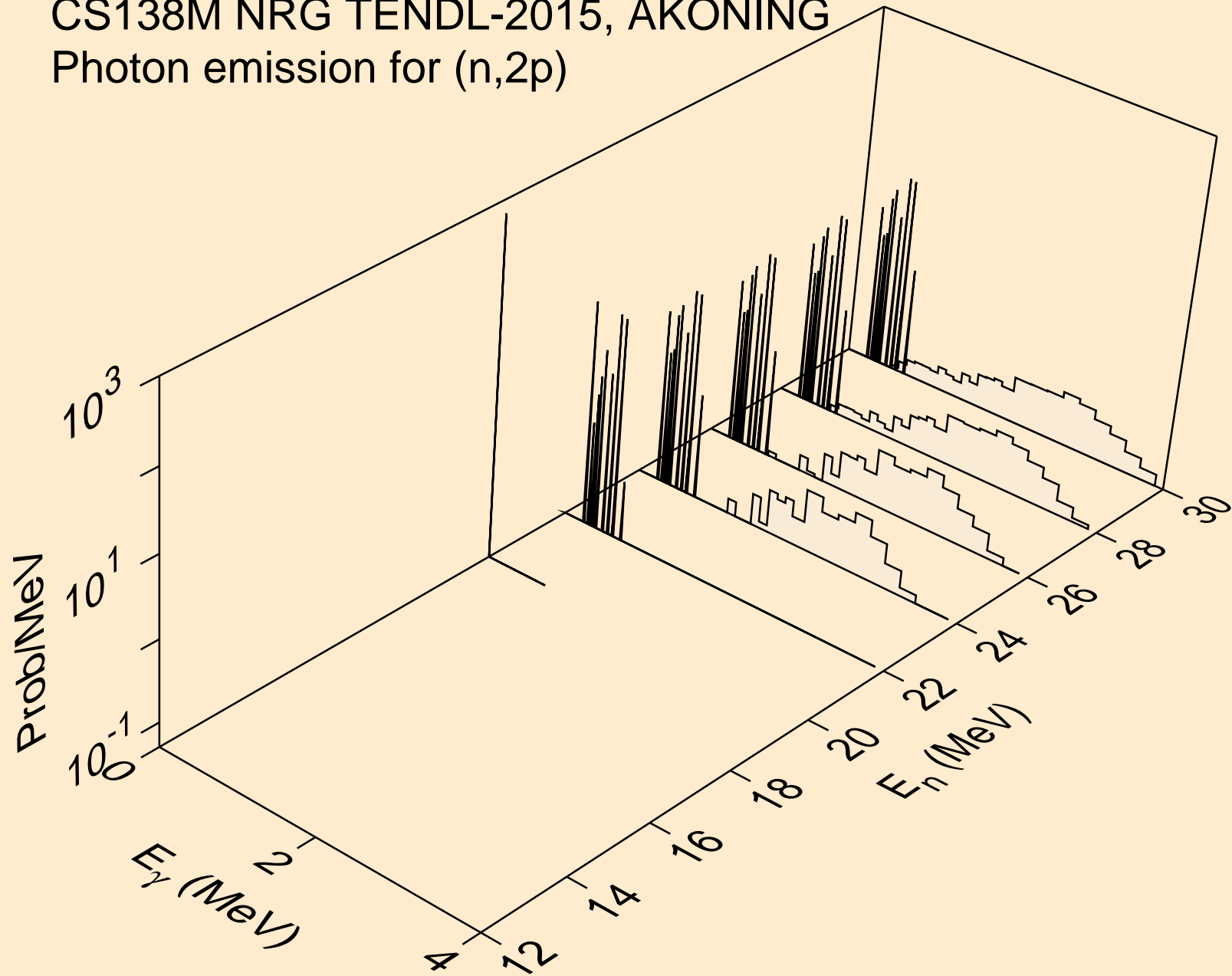
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Photon emission for (n,a)



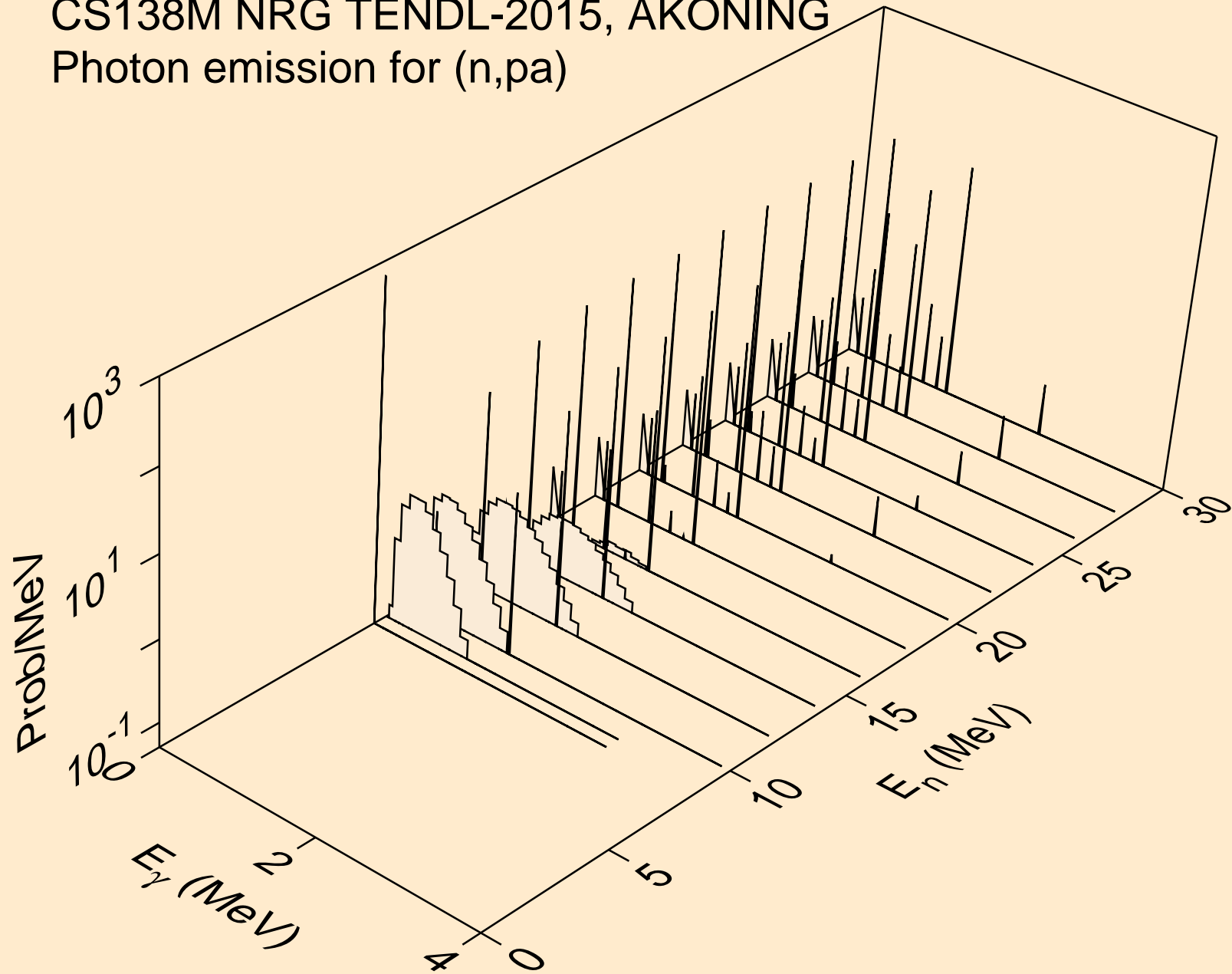
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Photon emission for (n,2a)



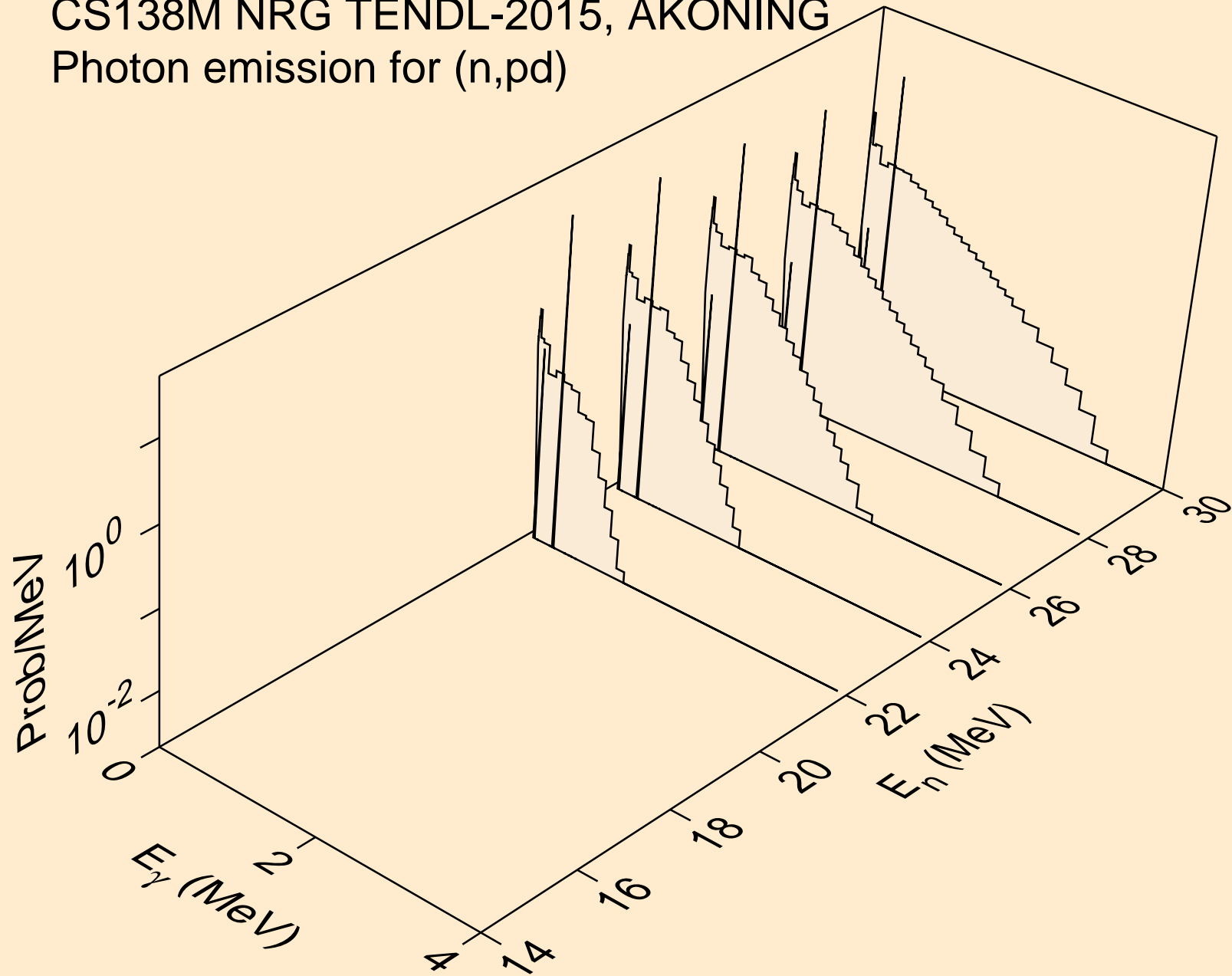
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,pa)

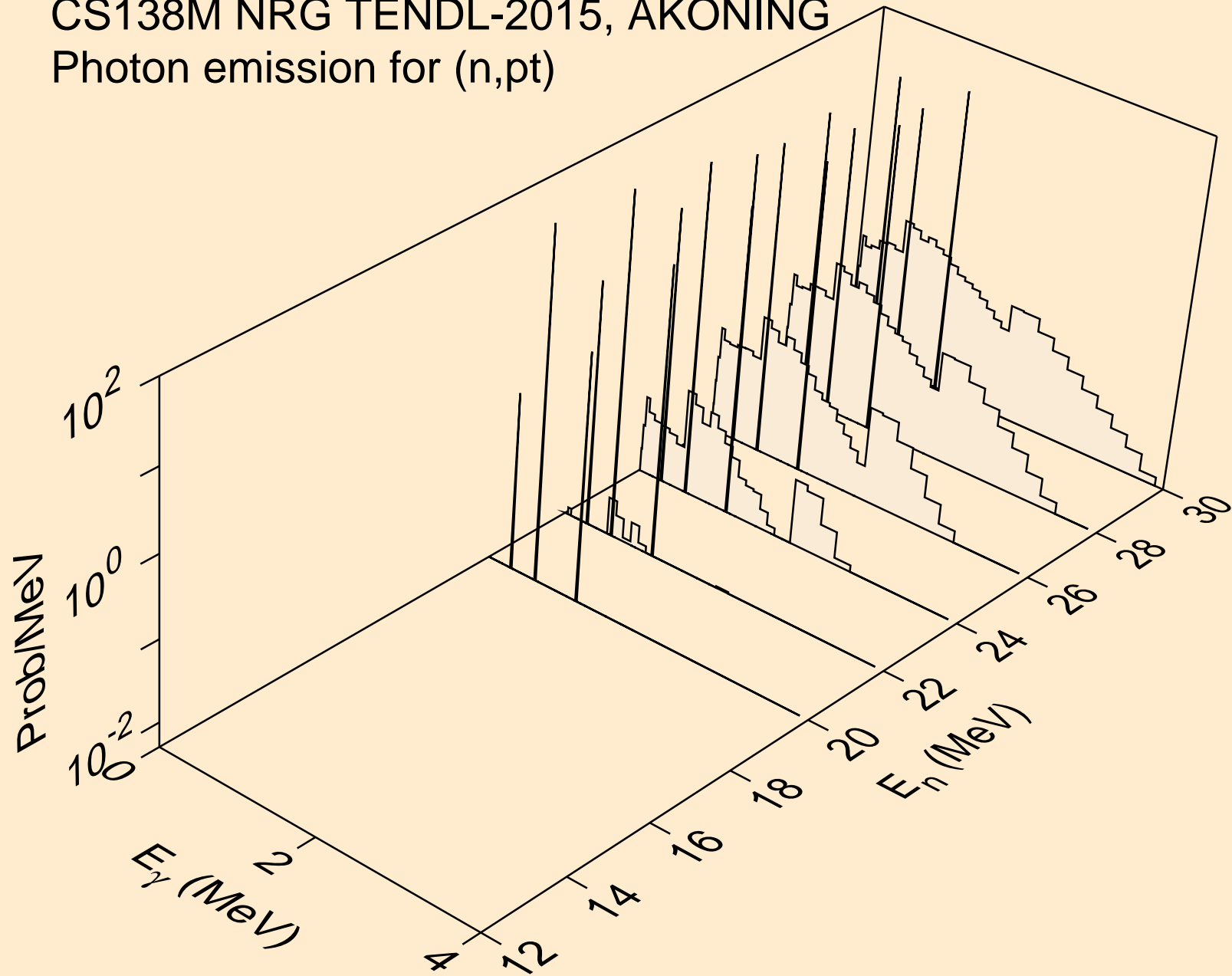


CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

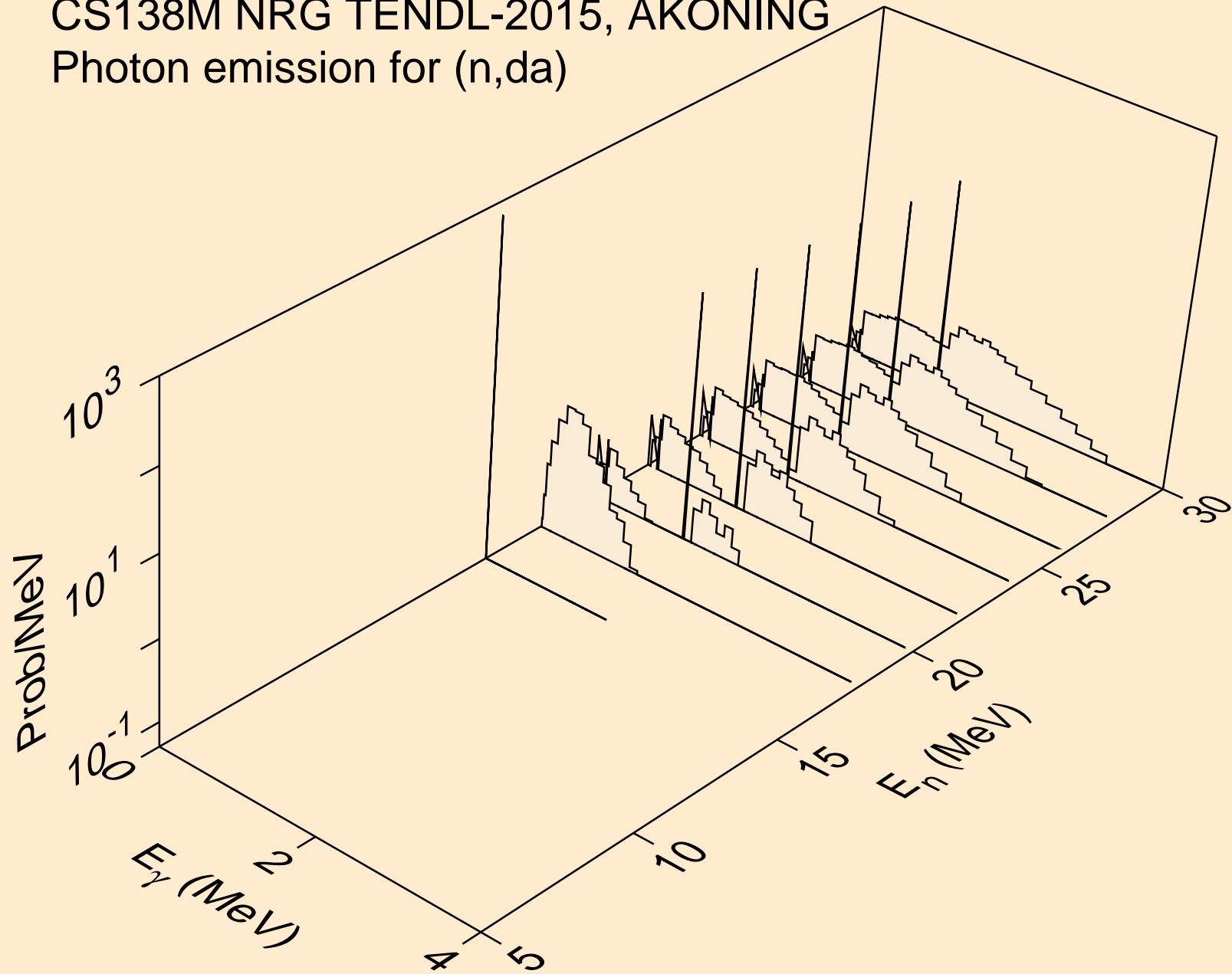




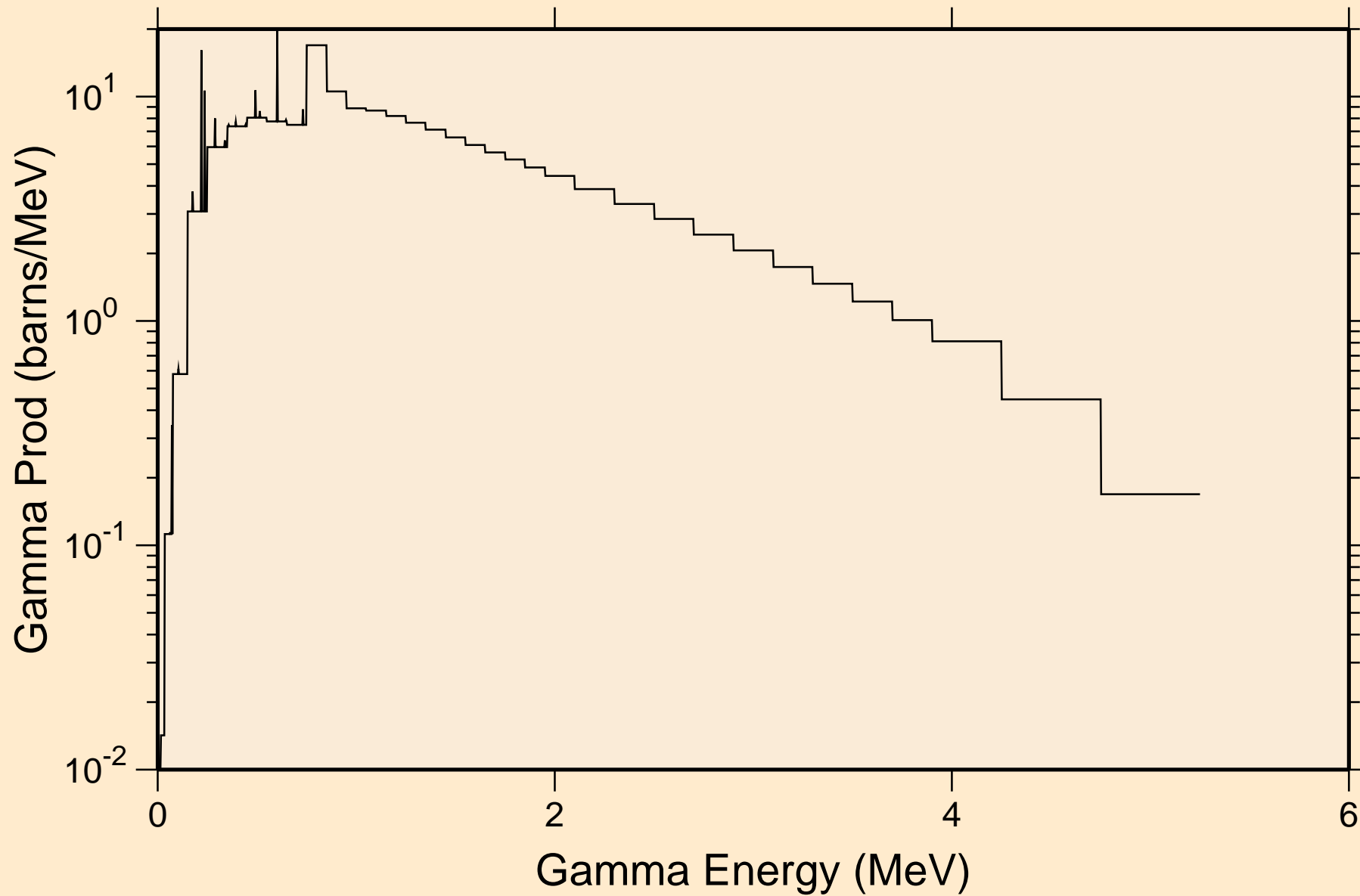
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



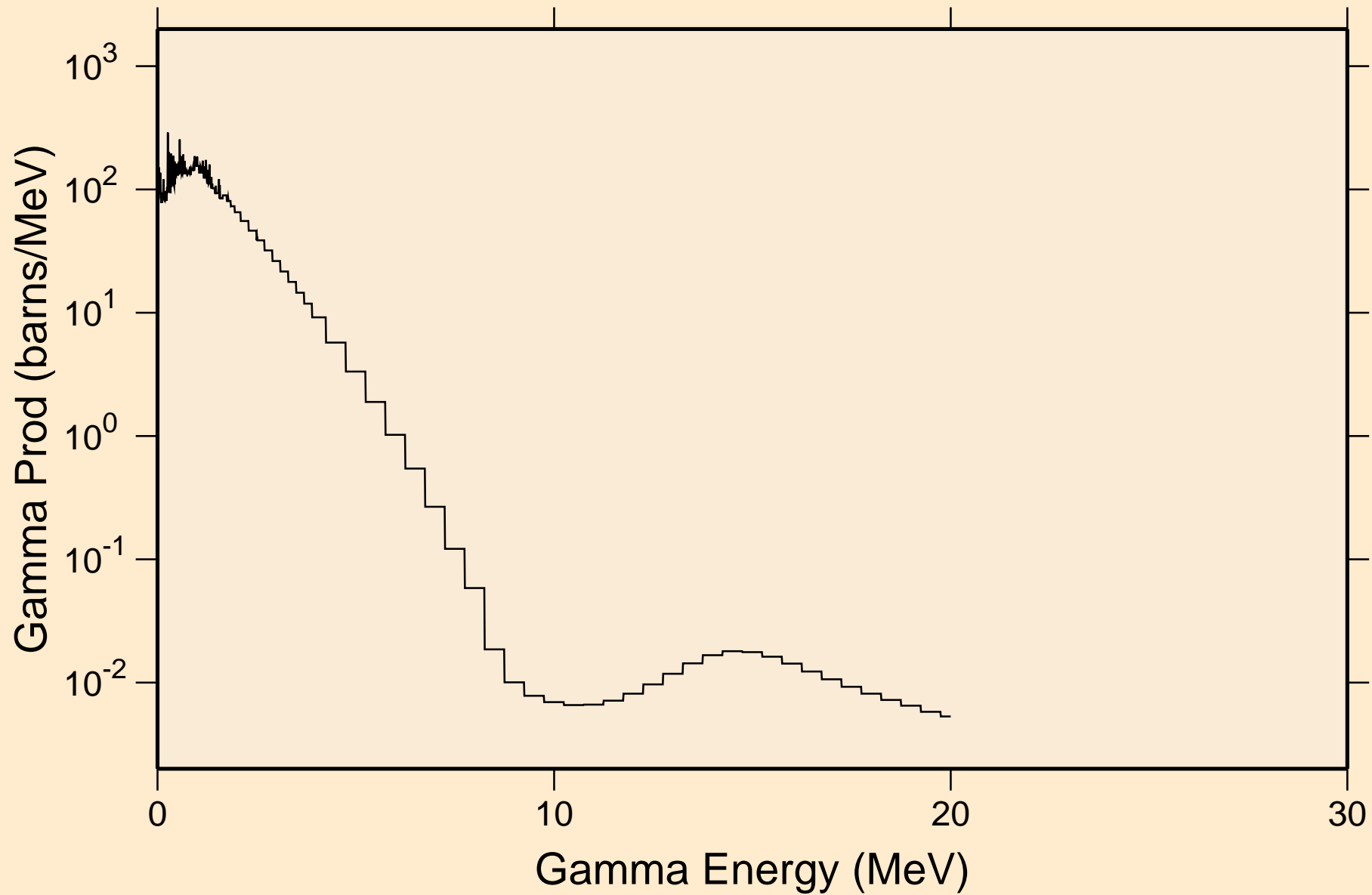
CS138M NRG TENDL-2015, AKONING  
Photon emission for (n,da)



CS138M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

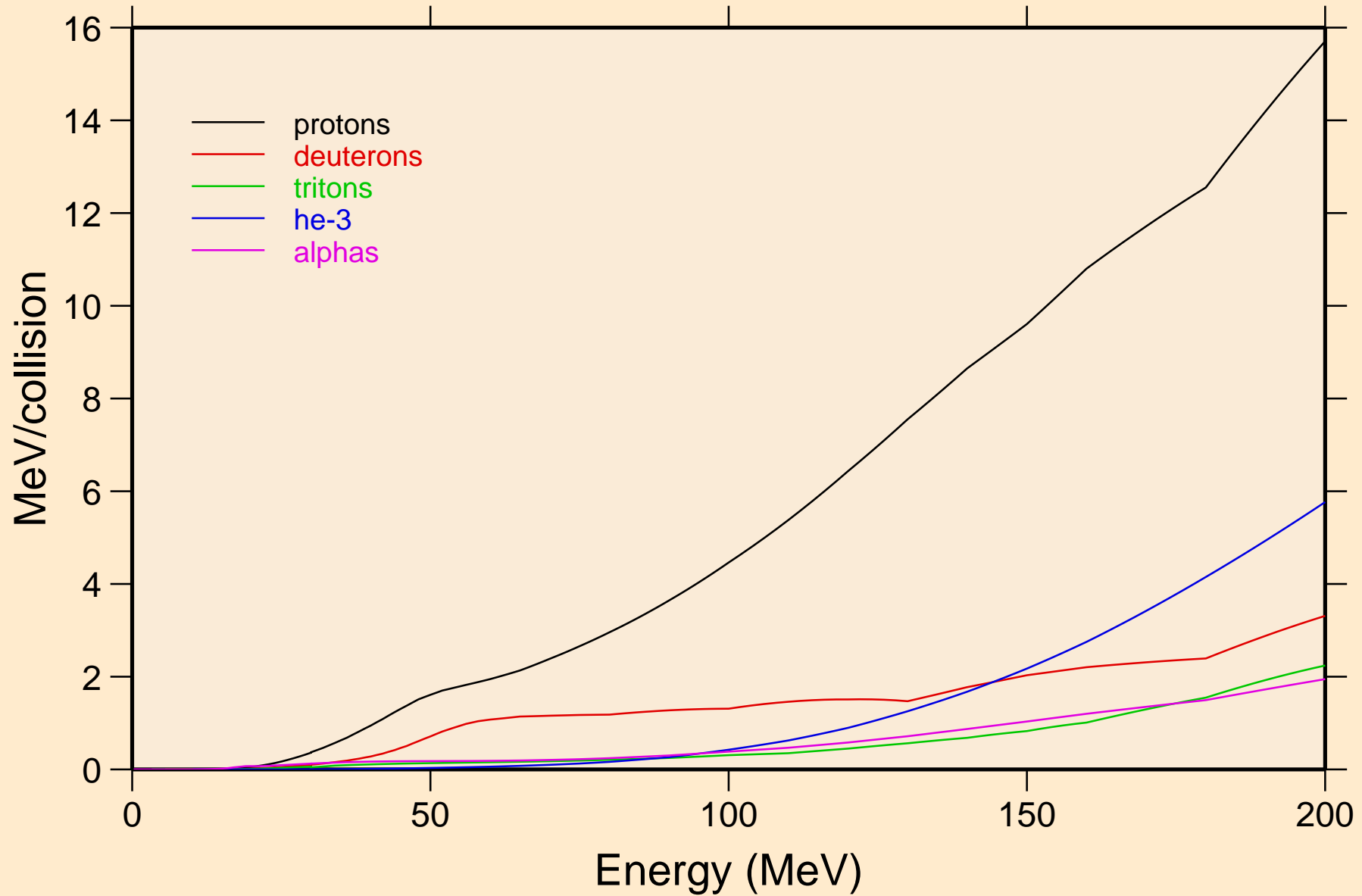


CS138M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



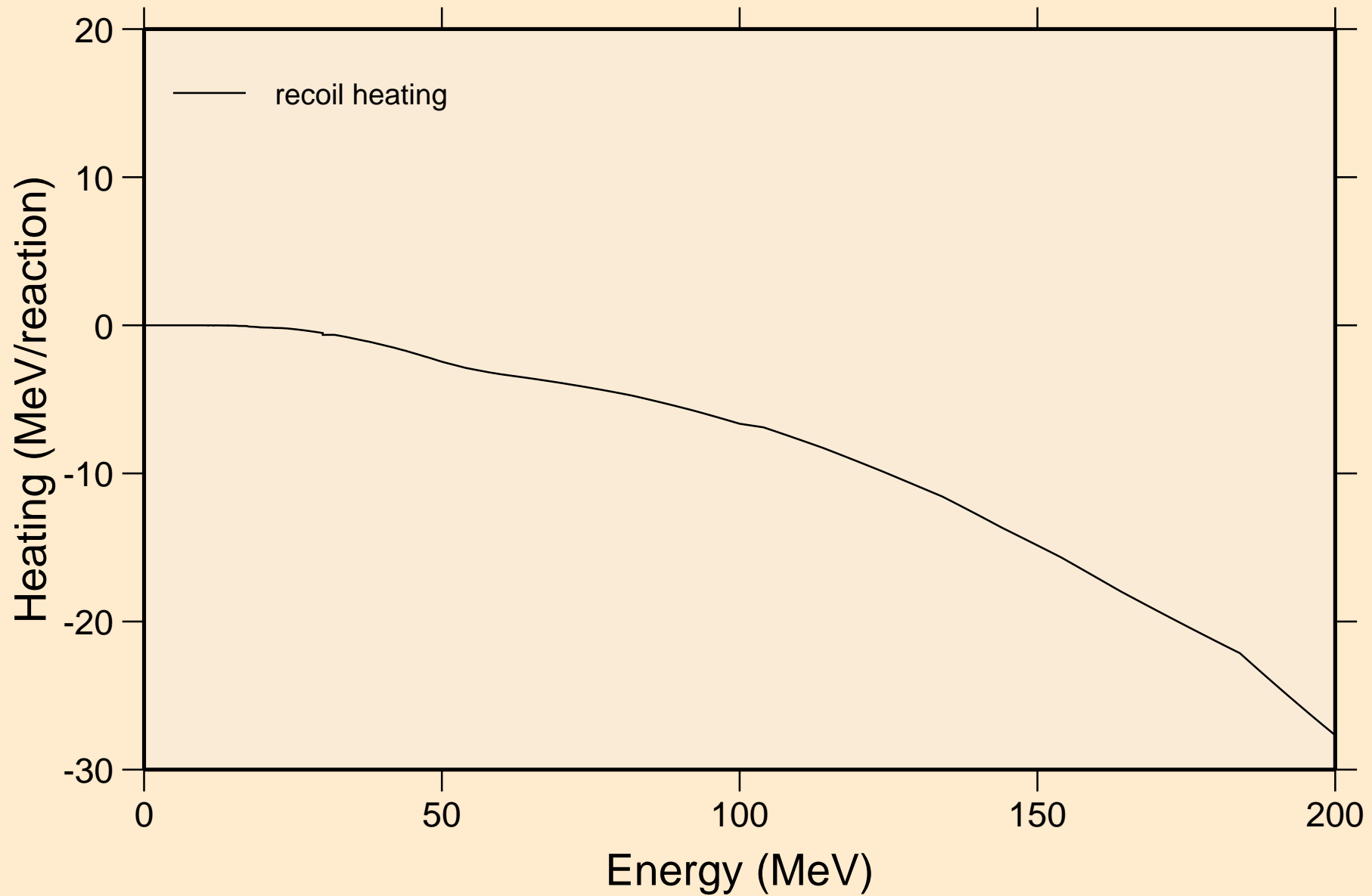
# CS138M NRG TENDL-2015, AKONING

## Particle heating contributions



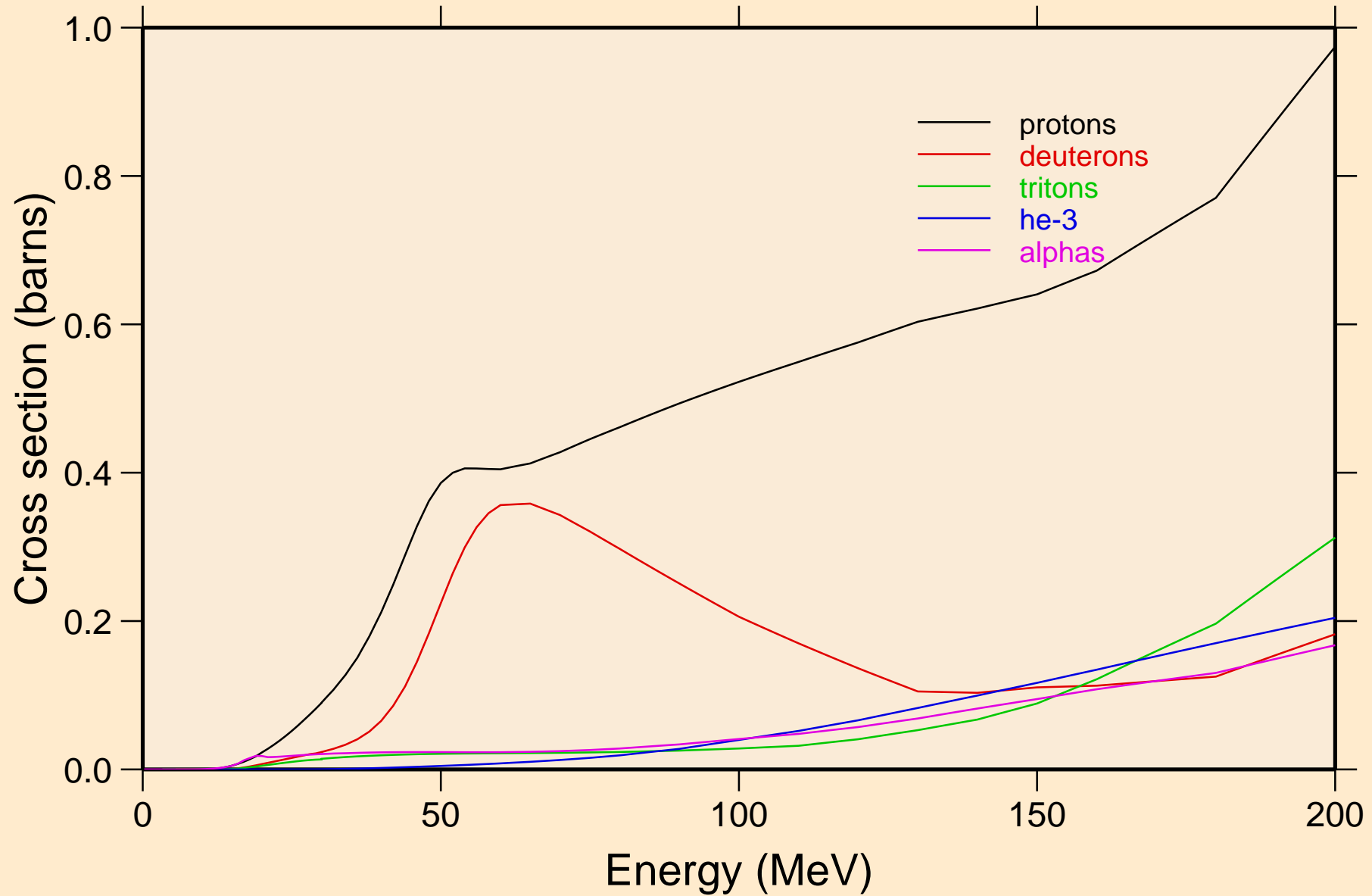
# CS138M NRG TENDL-2015, AKONING

## Recoil Heating

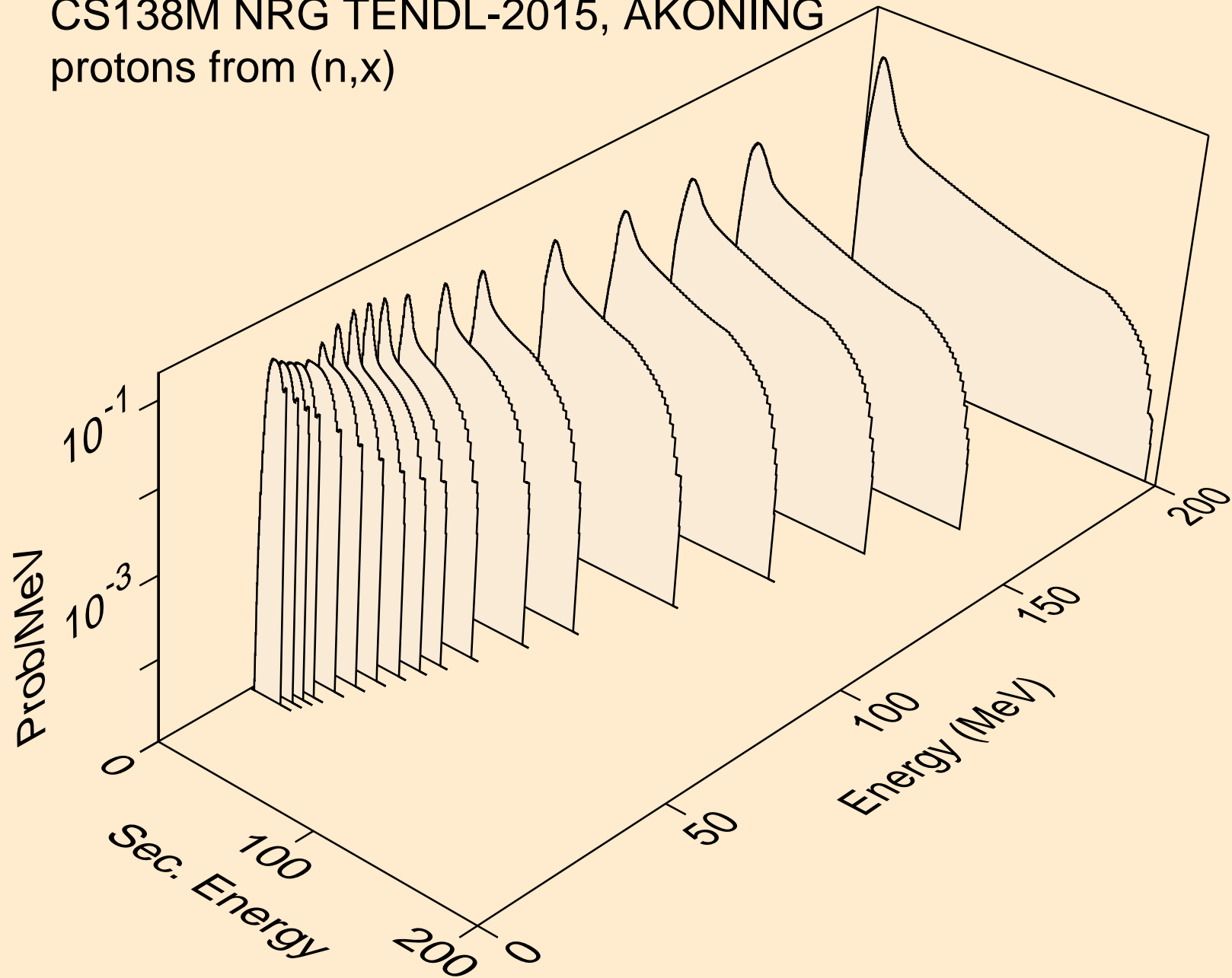


# CS138M NRG TENDL-2015, AKONING

## Particle production cross sections

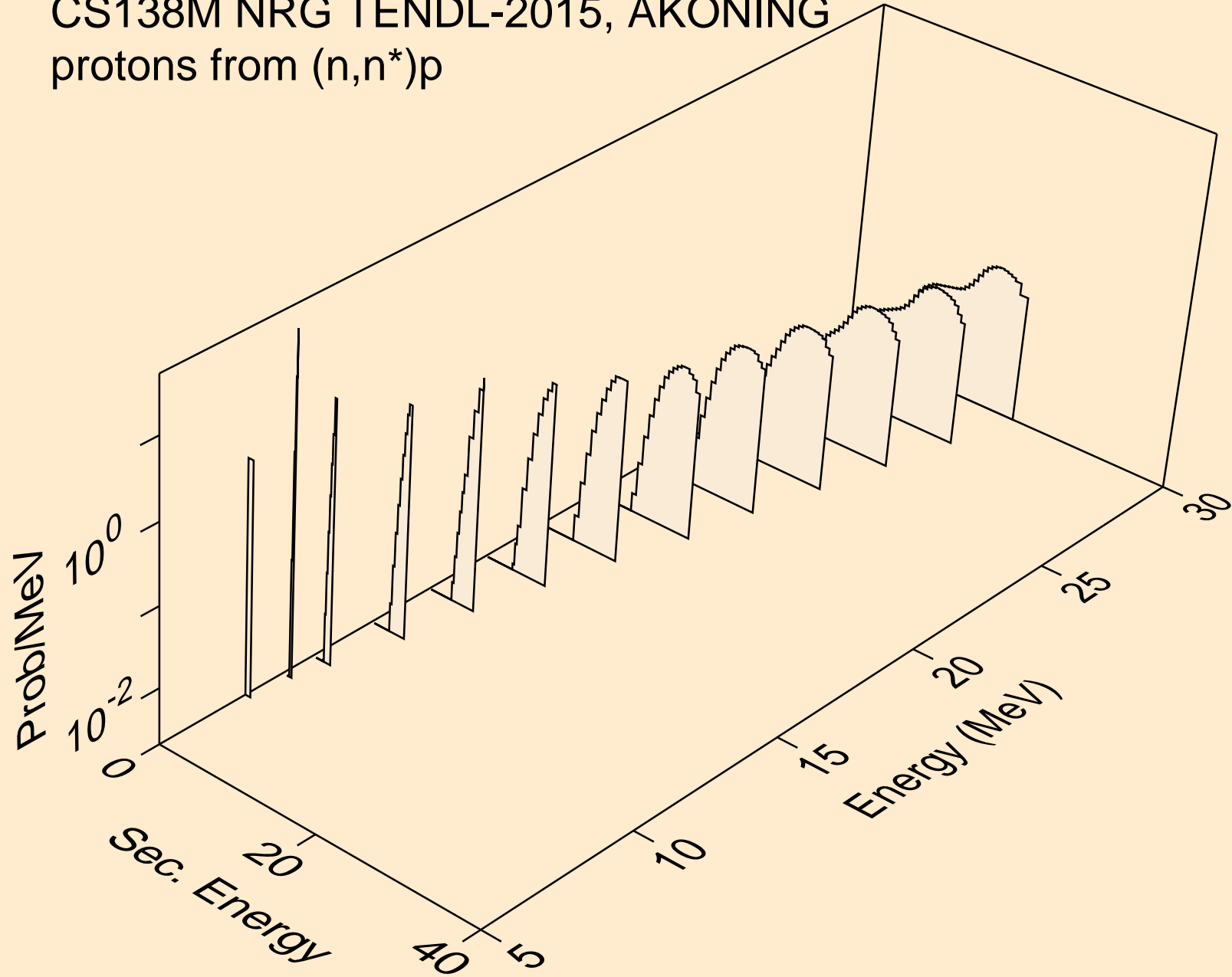


CS138M NRG TENDL-2015, AKONING  
protons from (n,x)

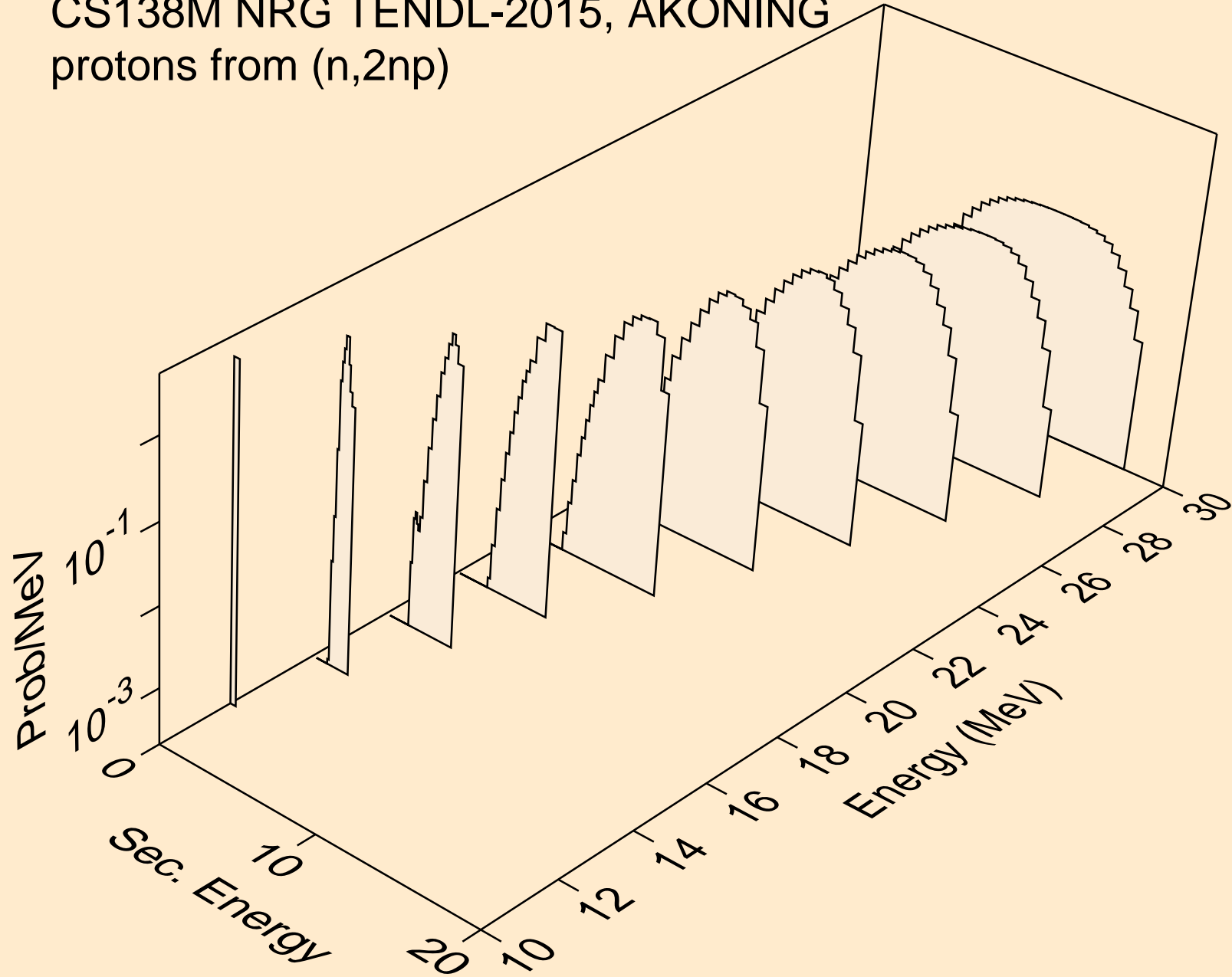




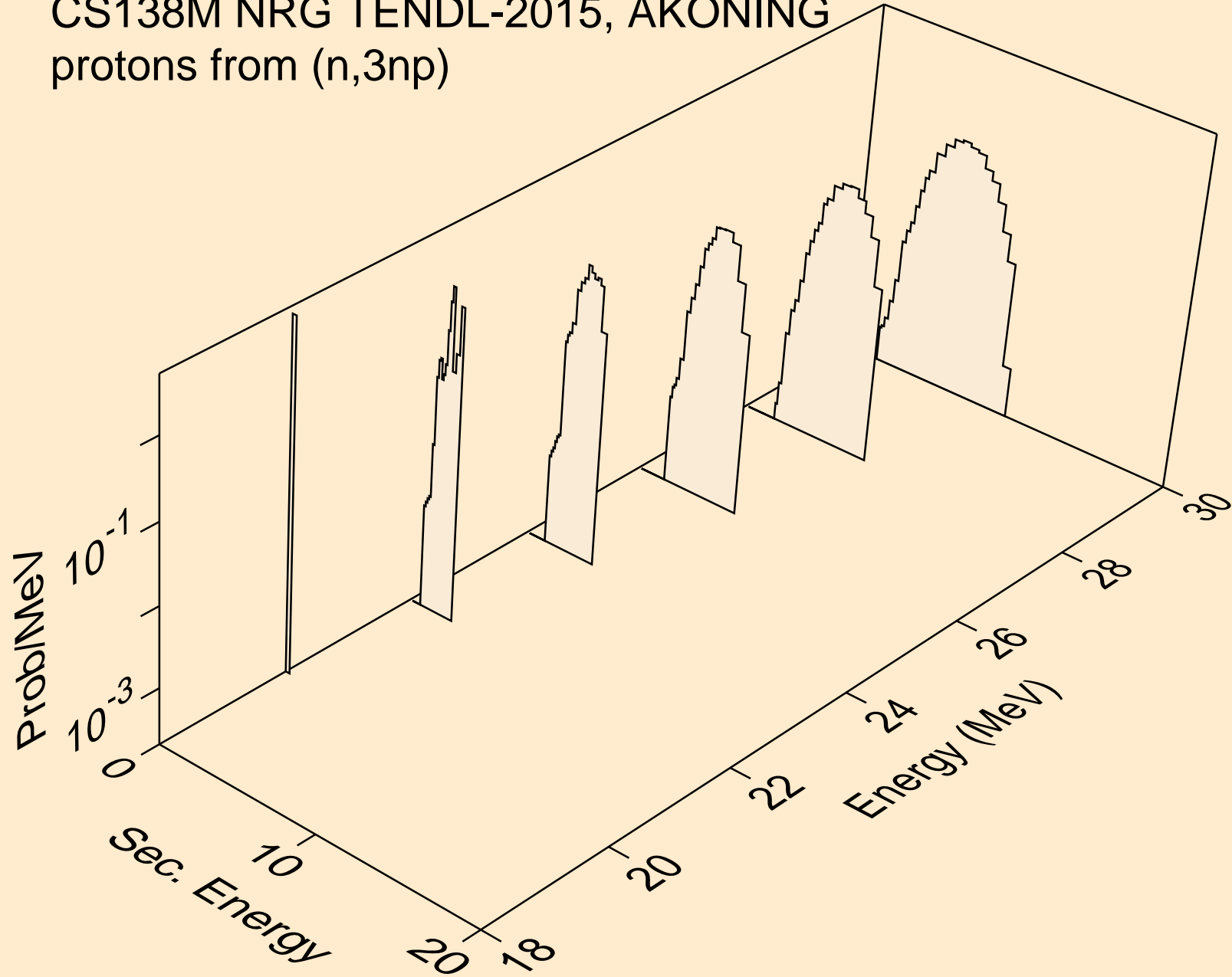
CS138M NRG TENDL-2015, AKONING  
protons from (n,n\*)p



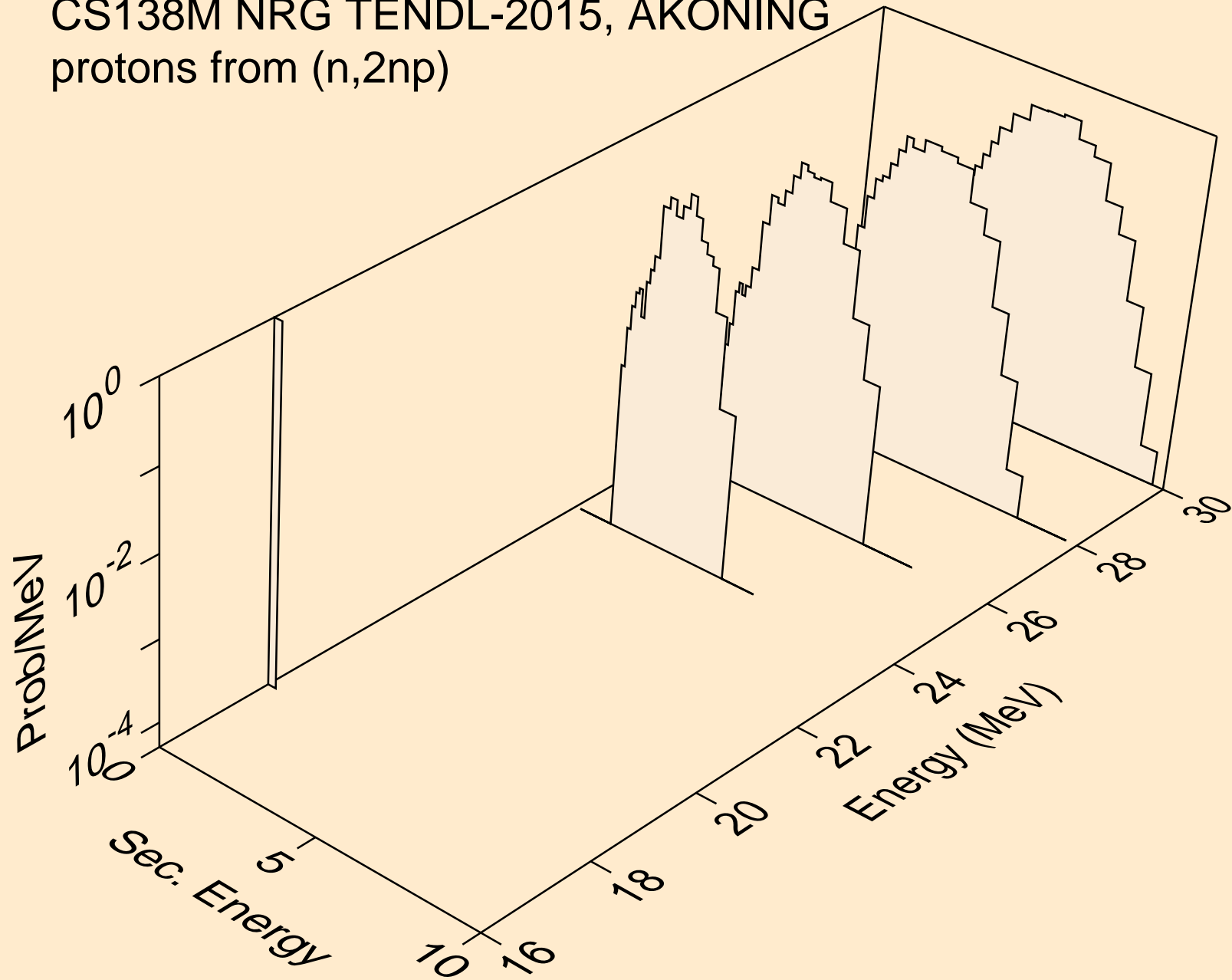
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protons from (n,2np)



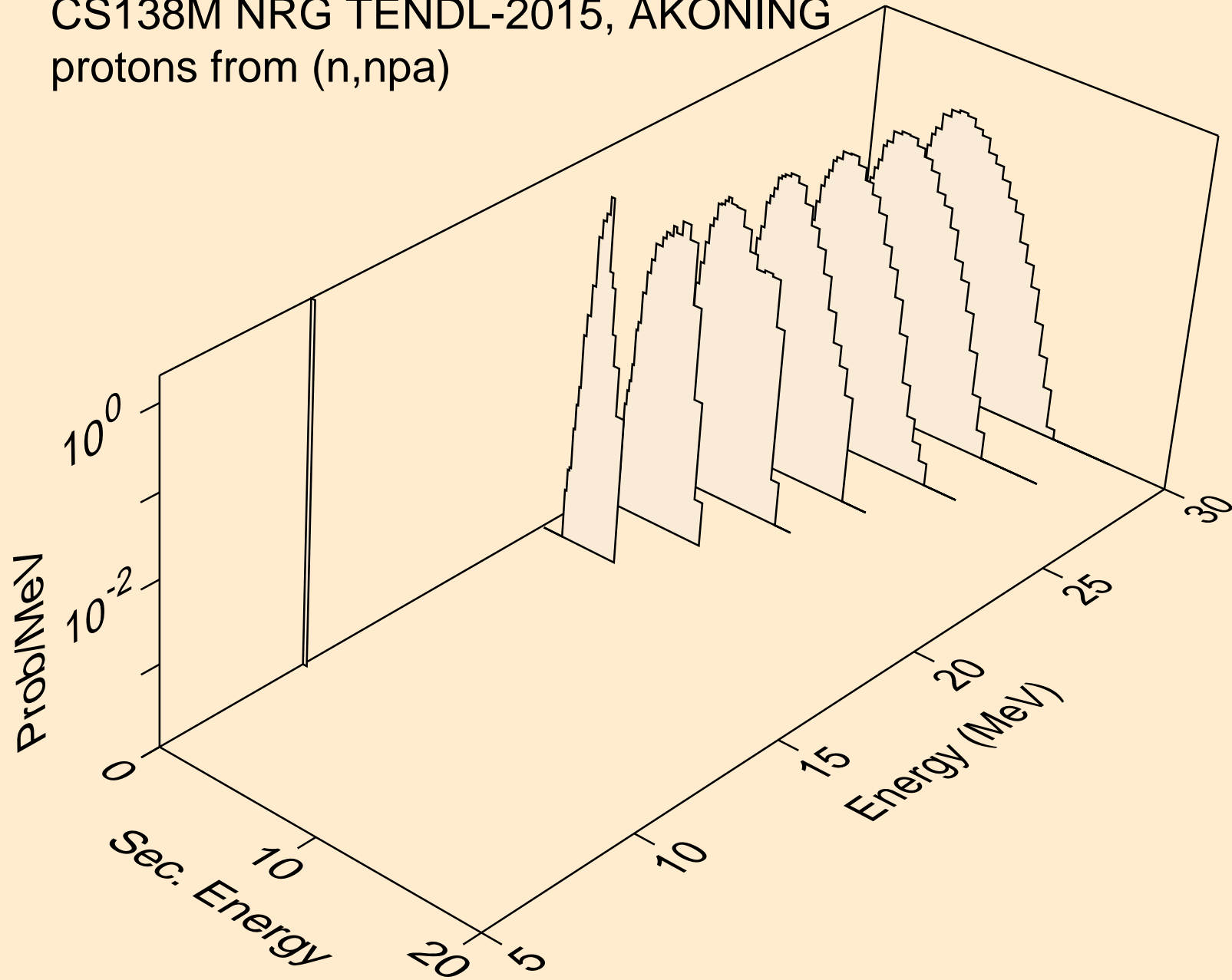
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protons from (n,3np)



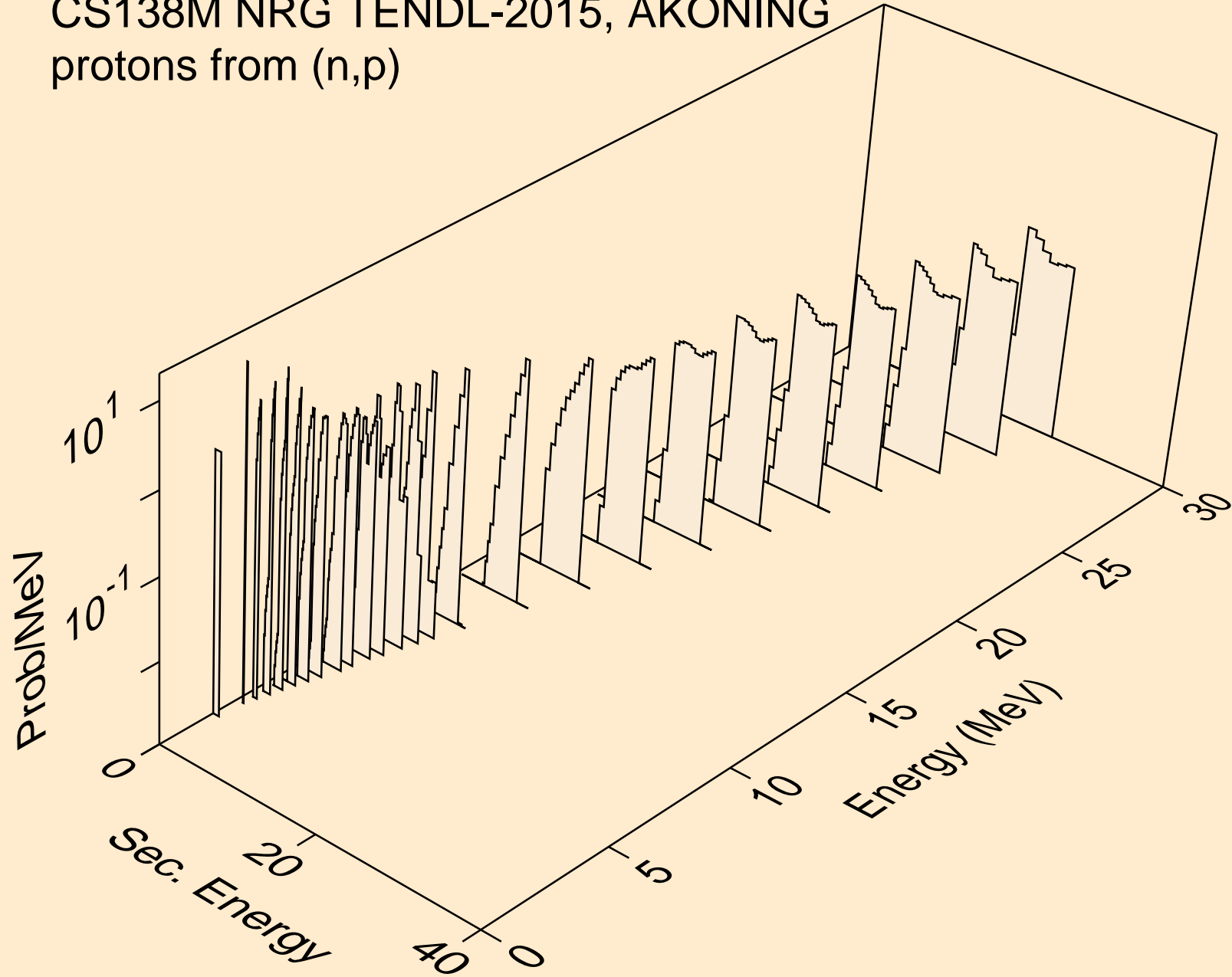
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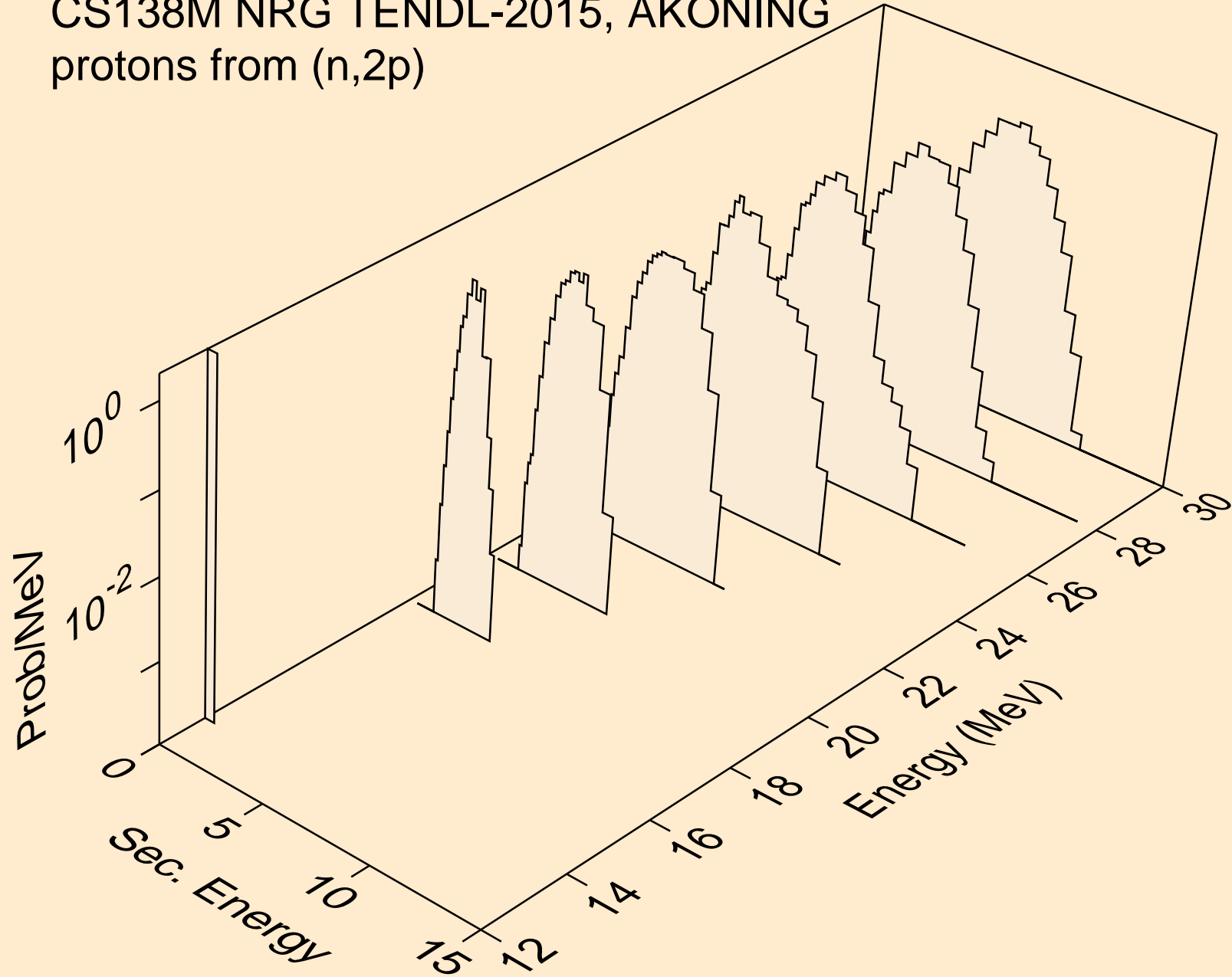
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protons from (n,npa)



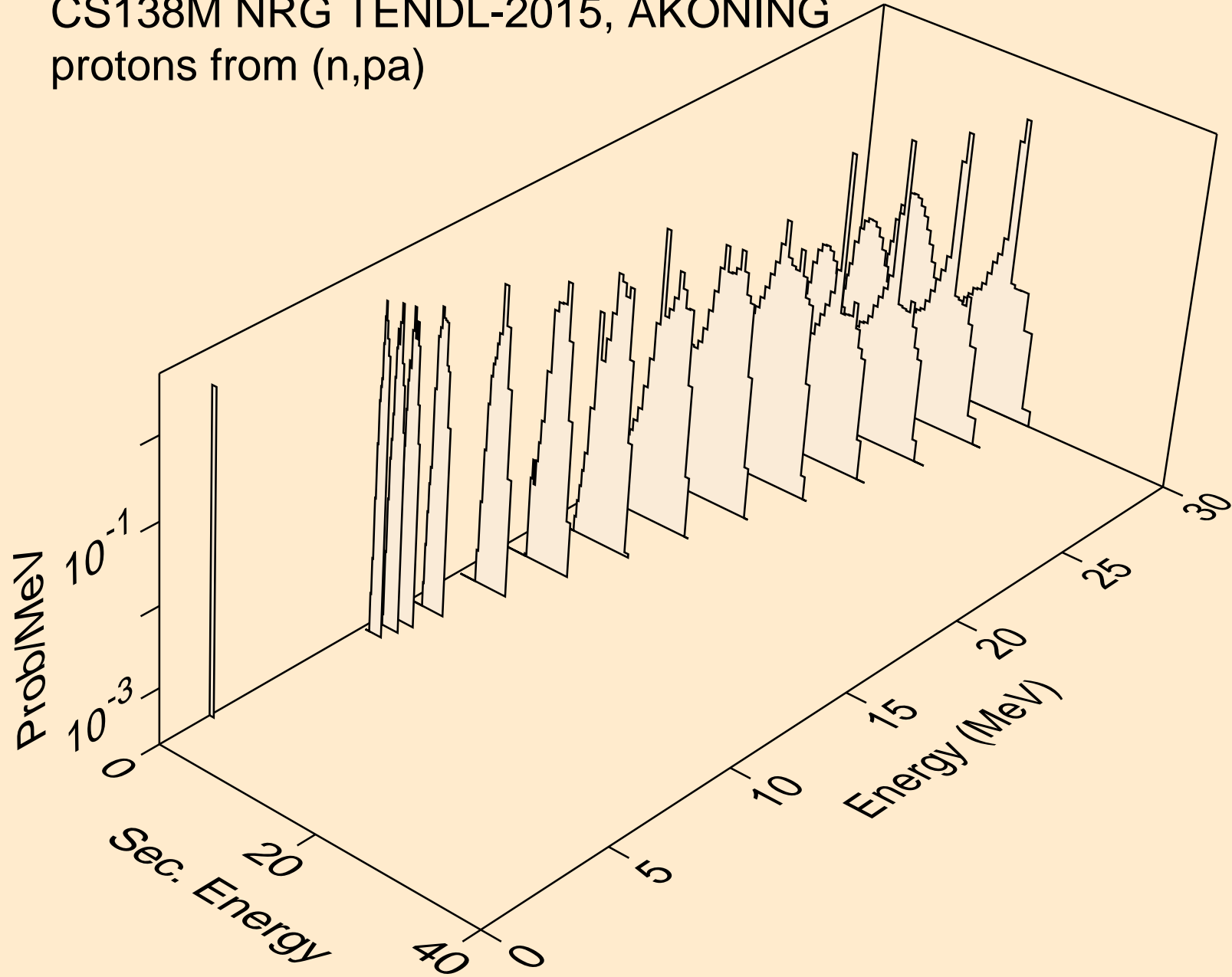
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protons from (n,p)



CS138M NRG TENDL-2015, AKONING  
protons from (n,2p)

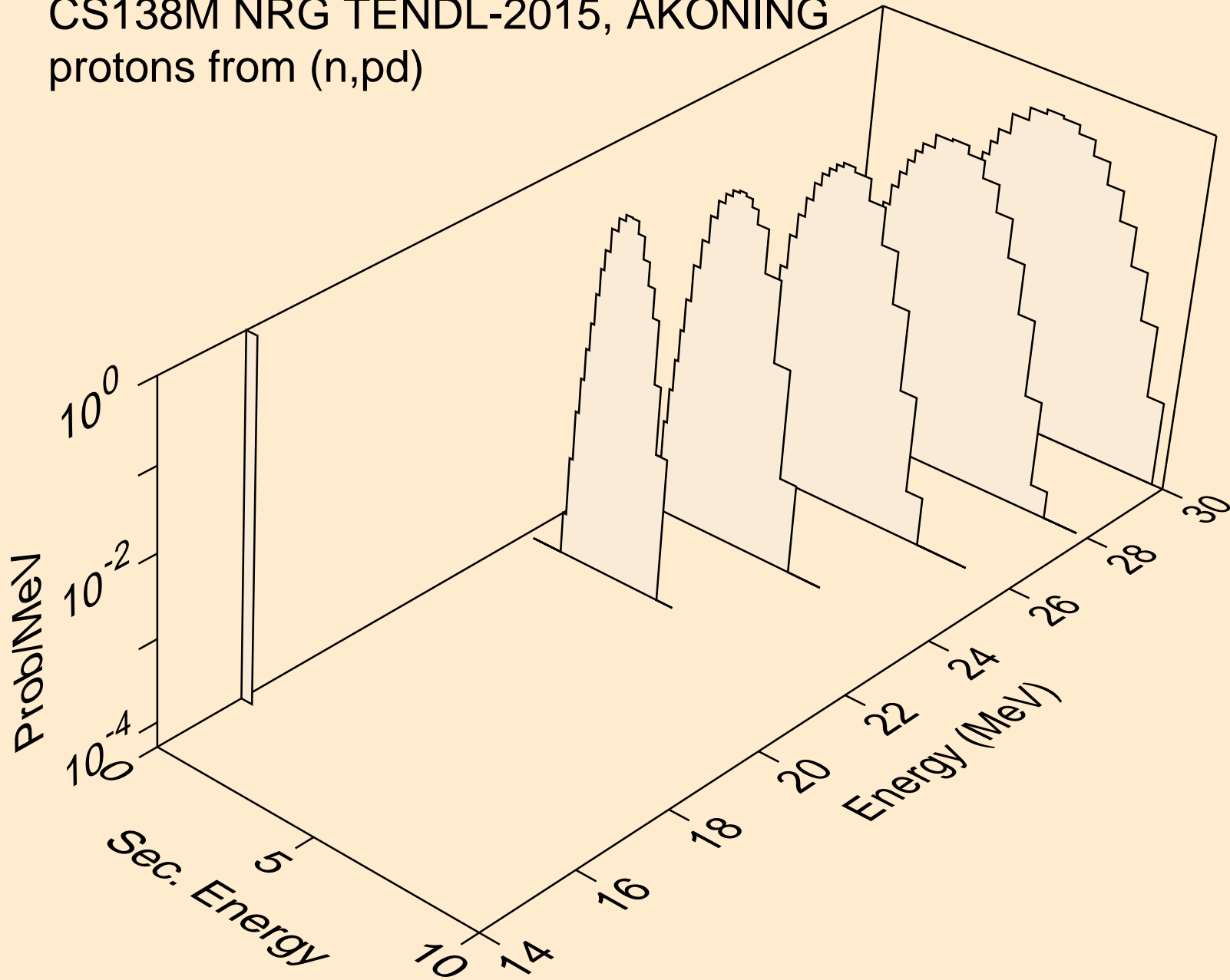


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protons from (n,pa)

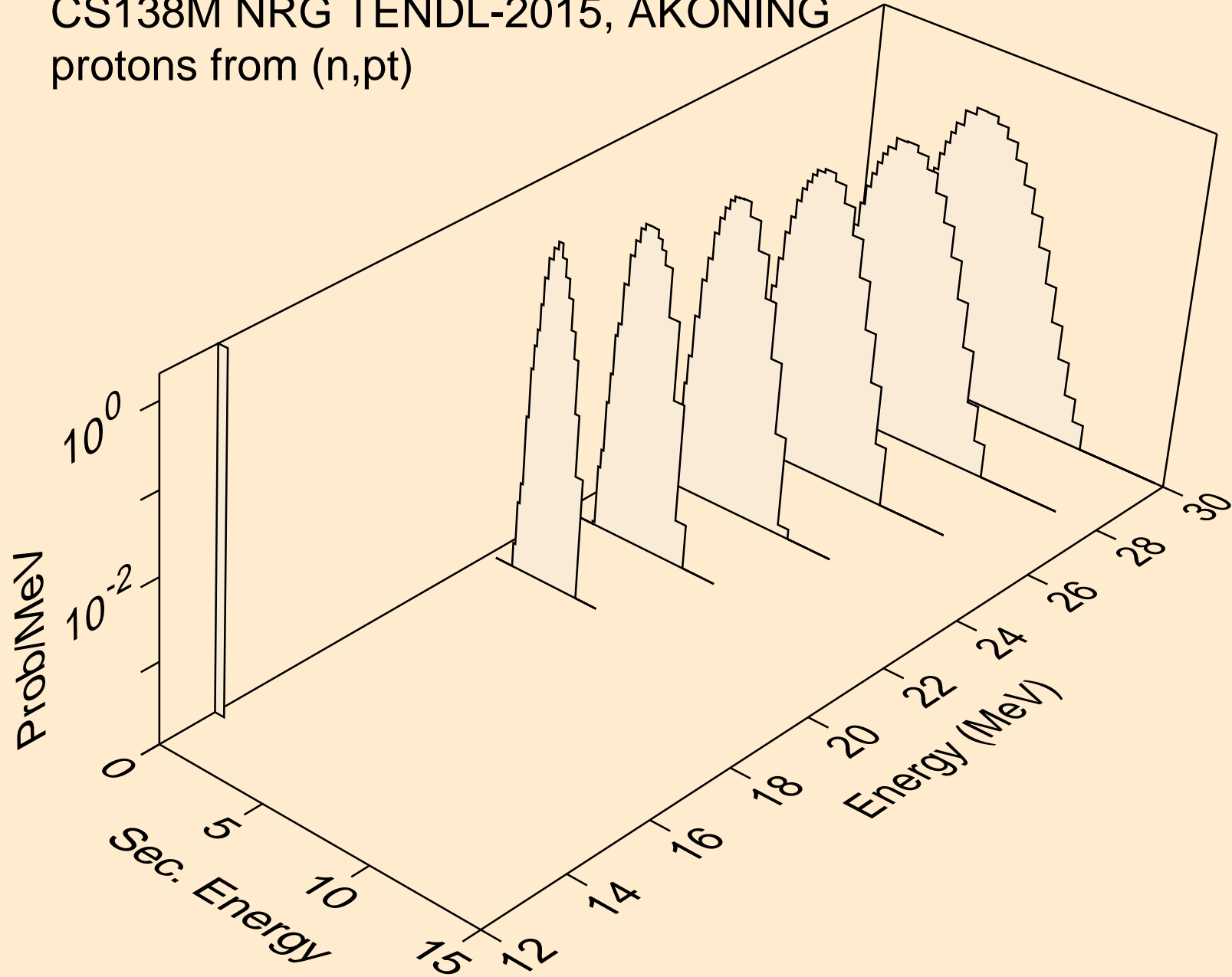




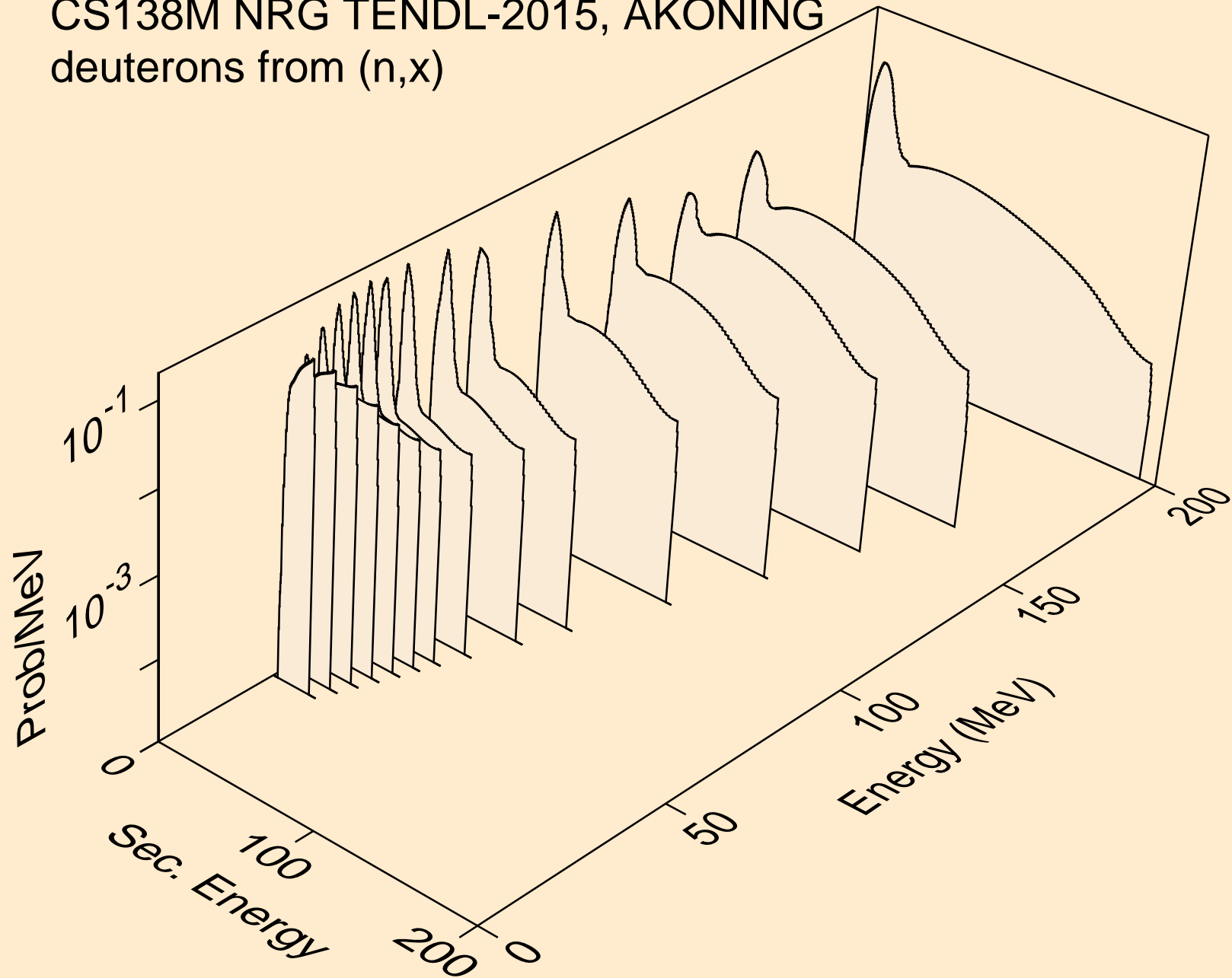
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protons from (n,pd)



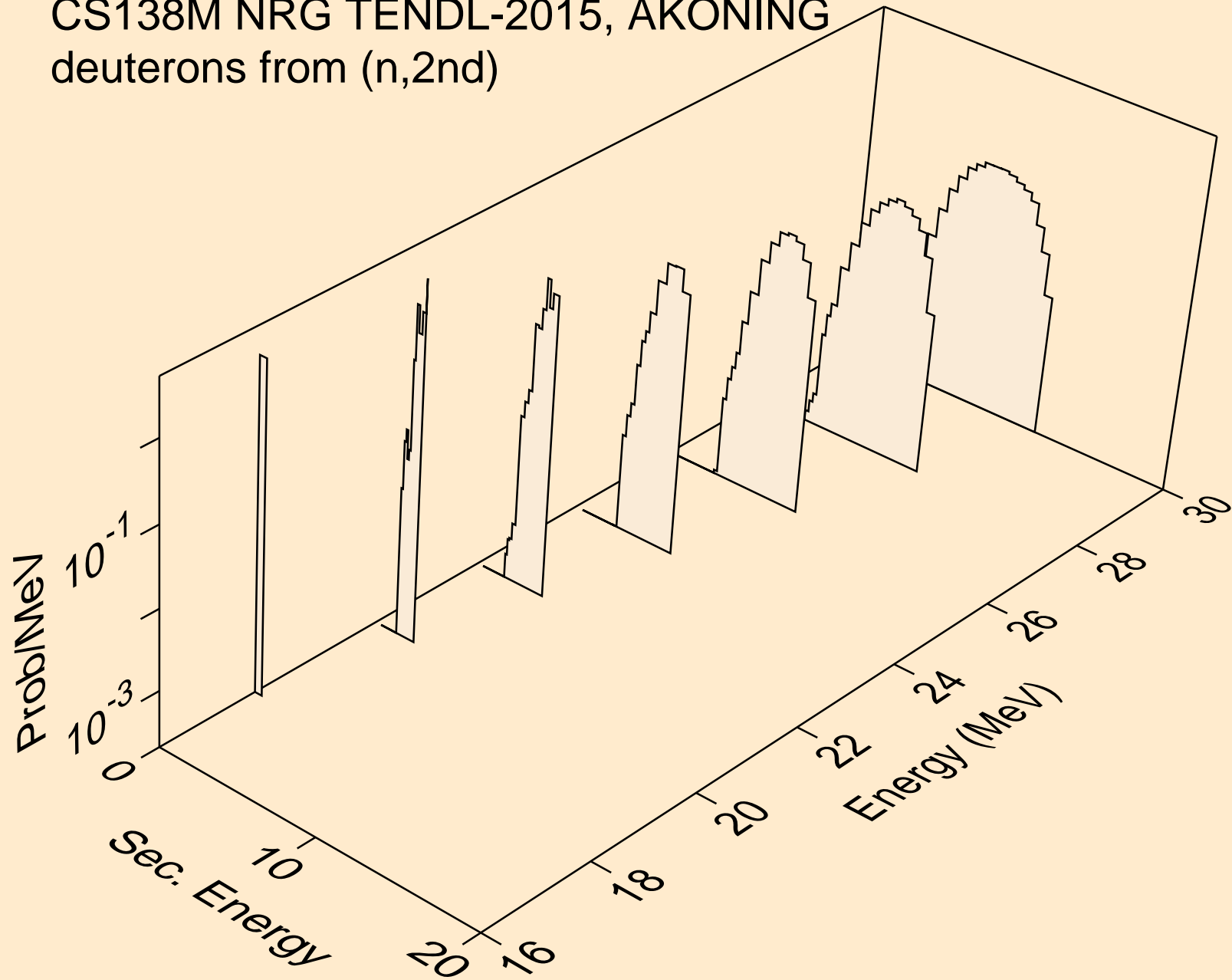
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protons from (n,pt)



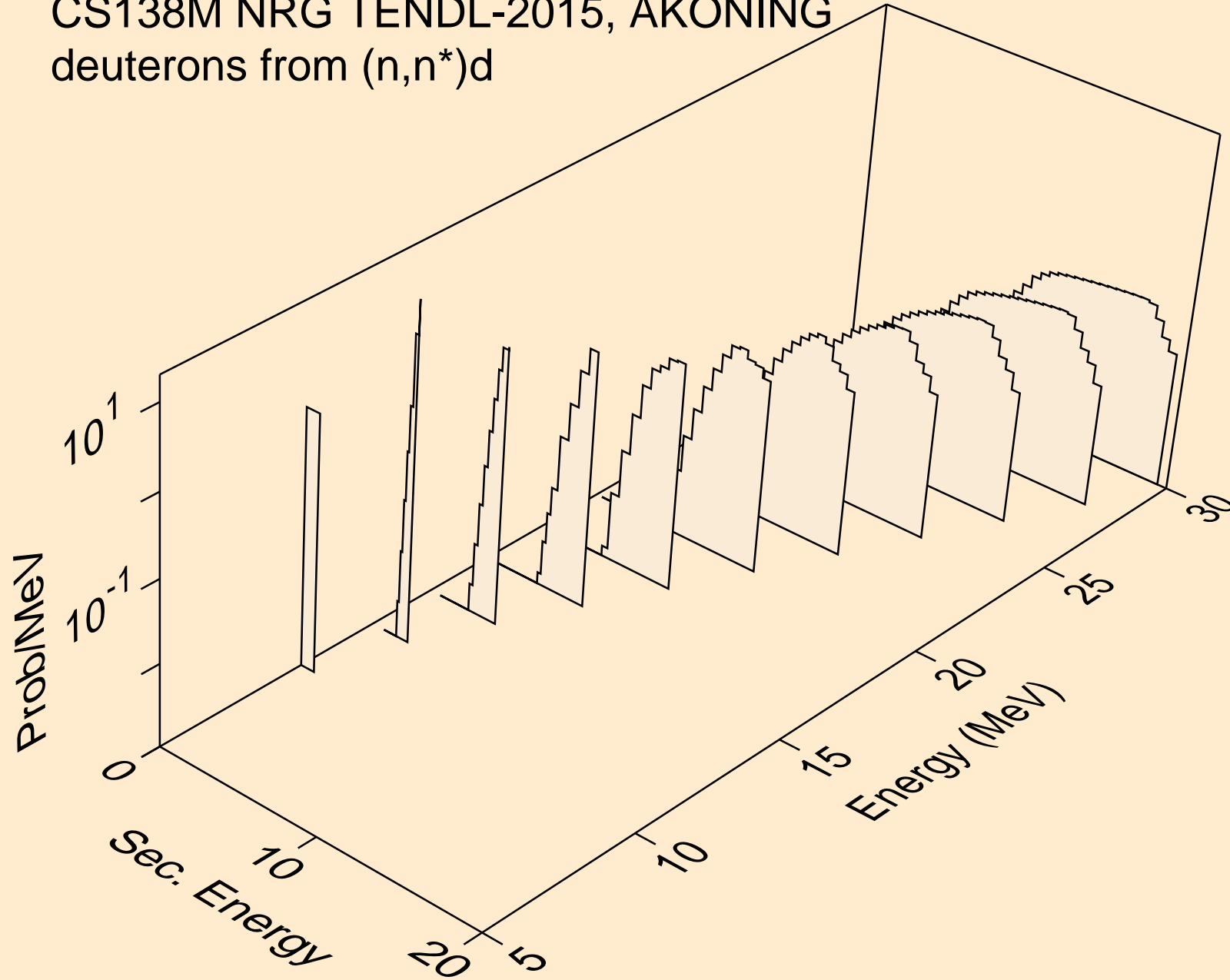
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deuterons from (n,x)



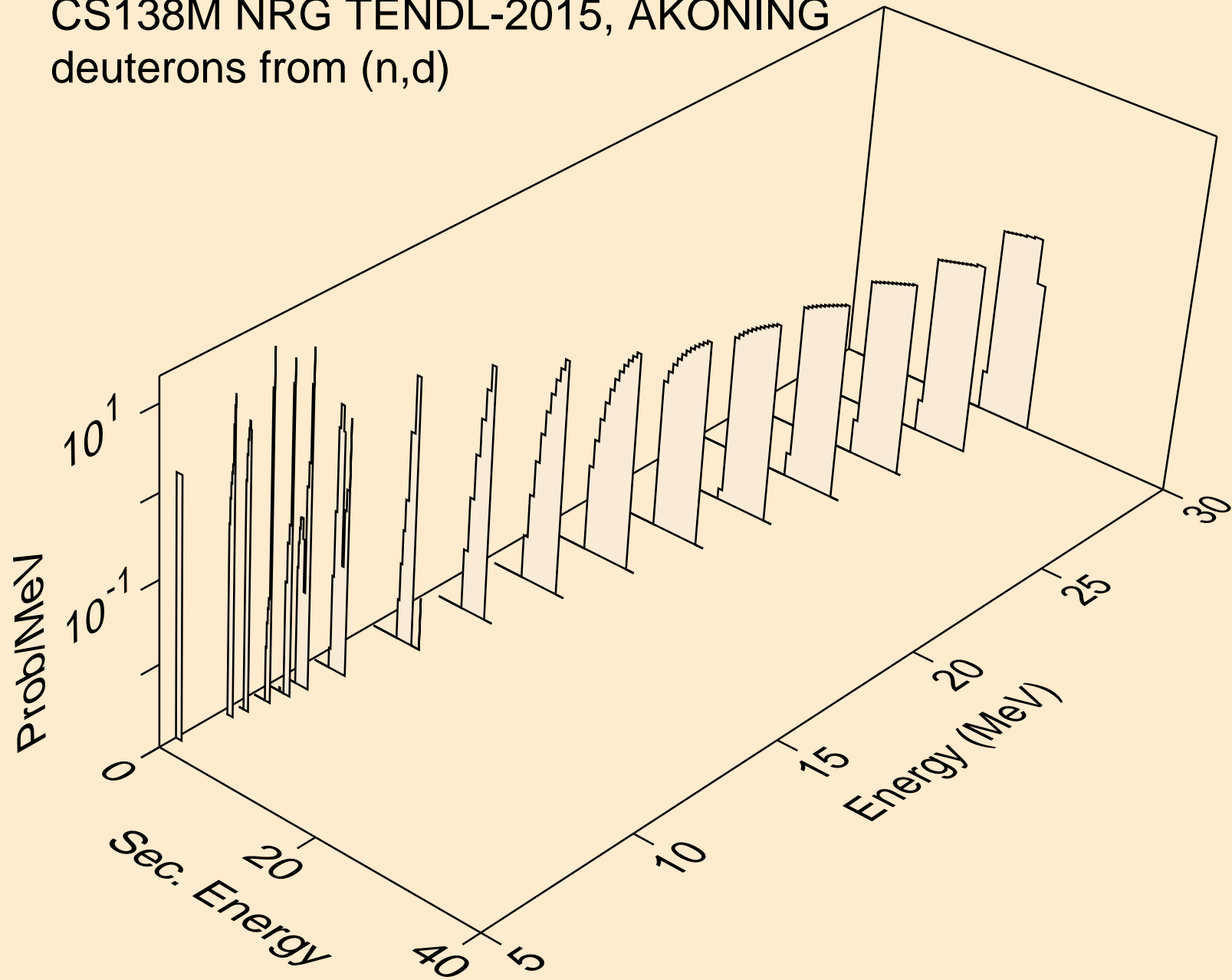
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deuterons from (n,2nd)



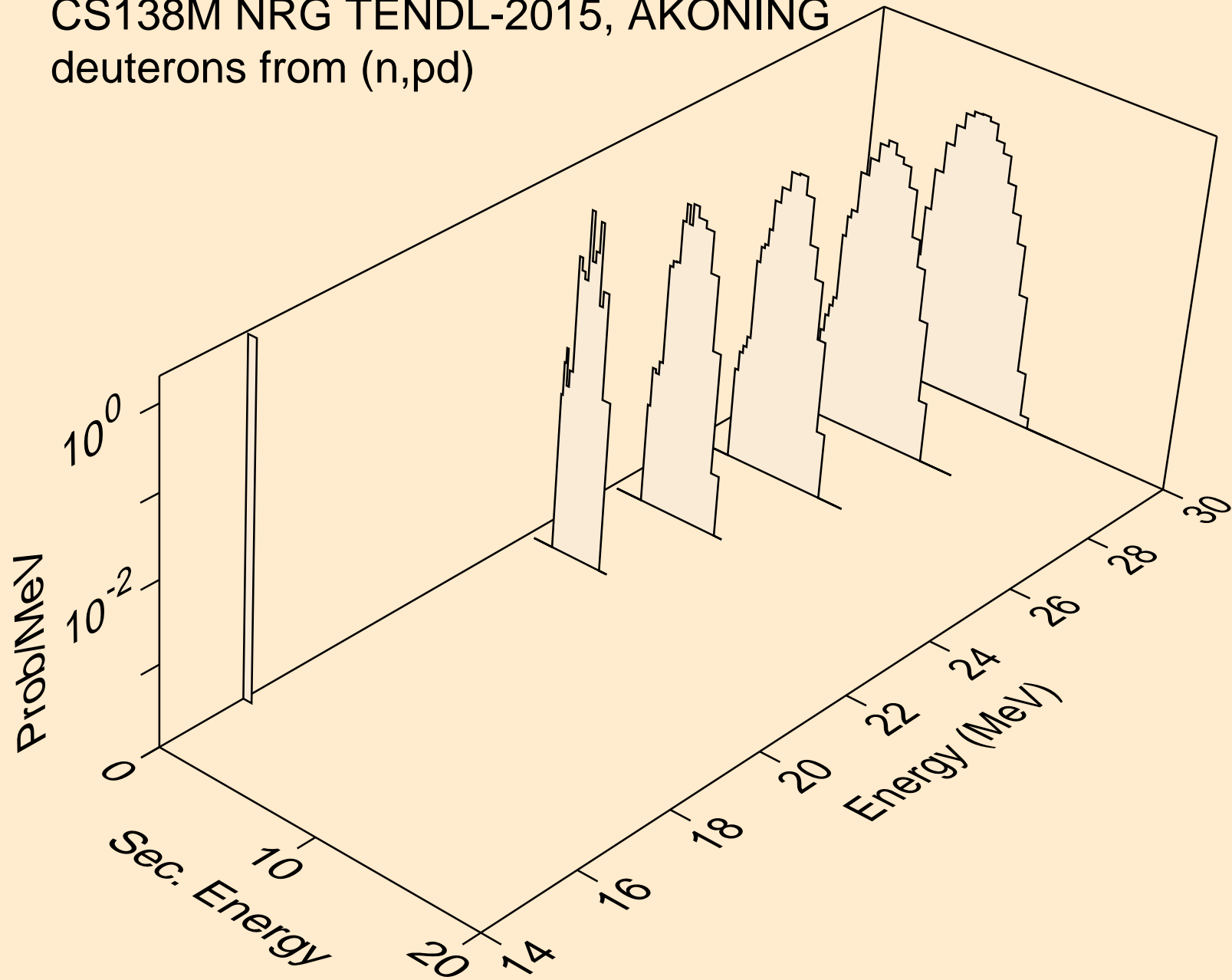
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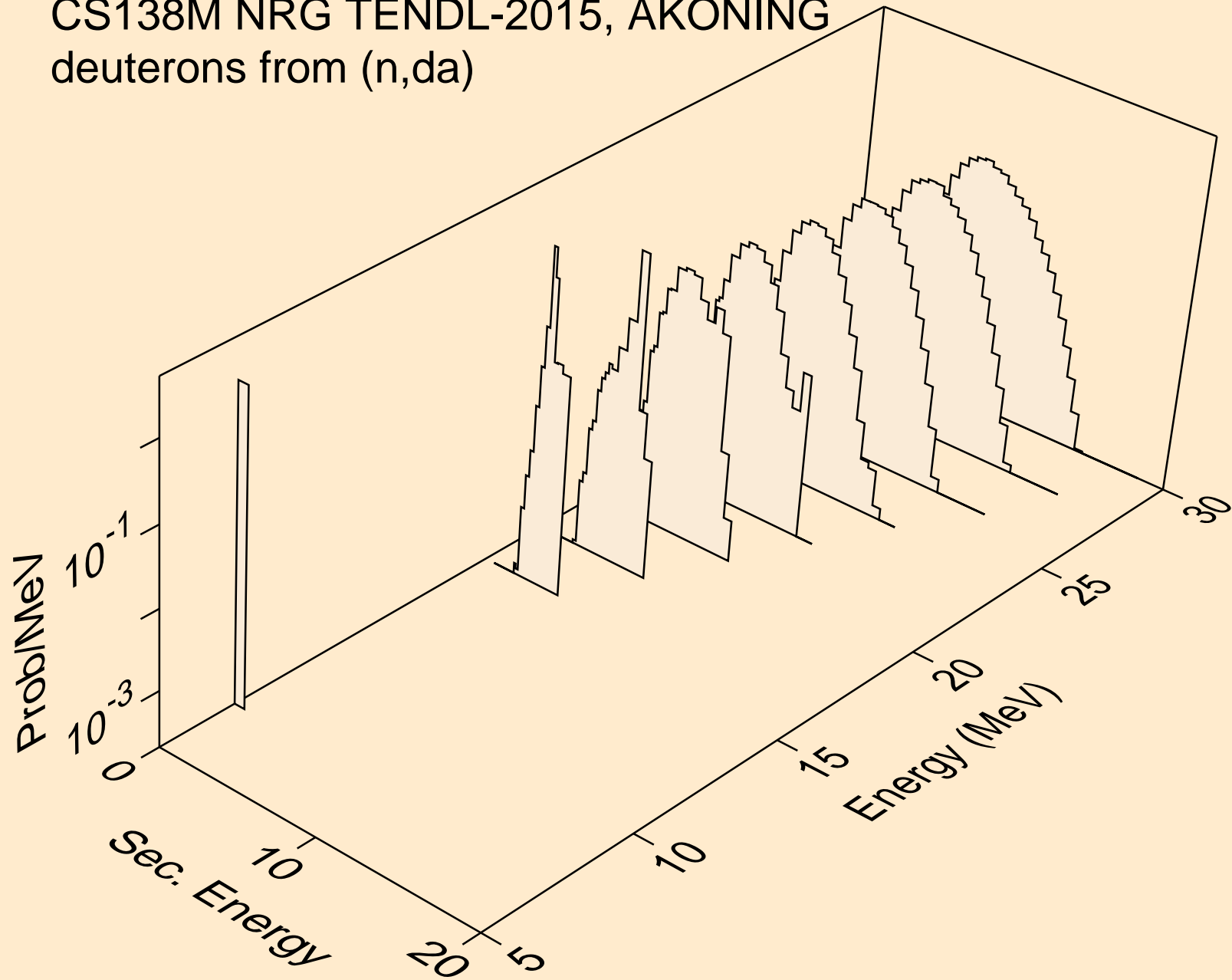
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deuterons from (n,d)



CS138M NRG TENDL-2015, AKONING  
deuterons from (n,pd)

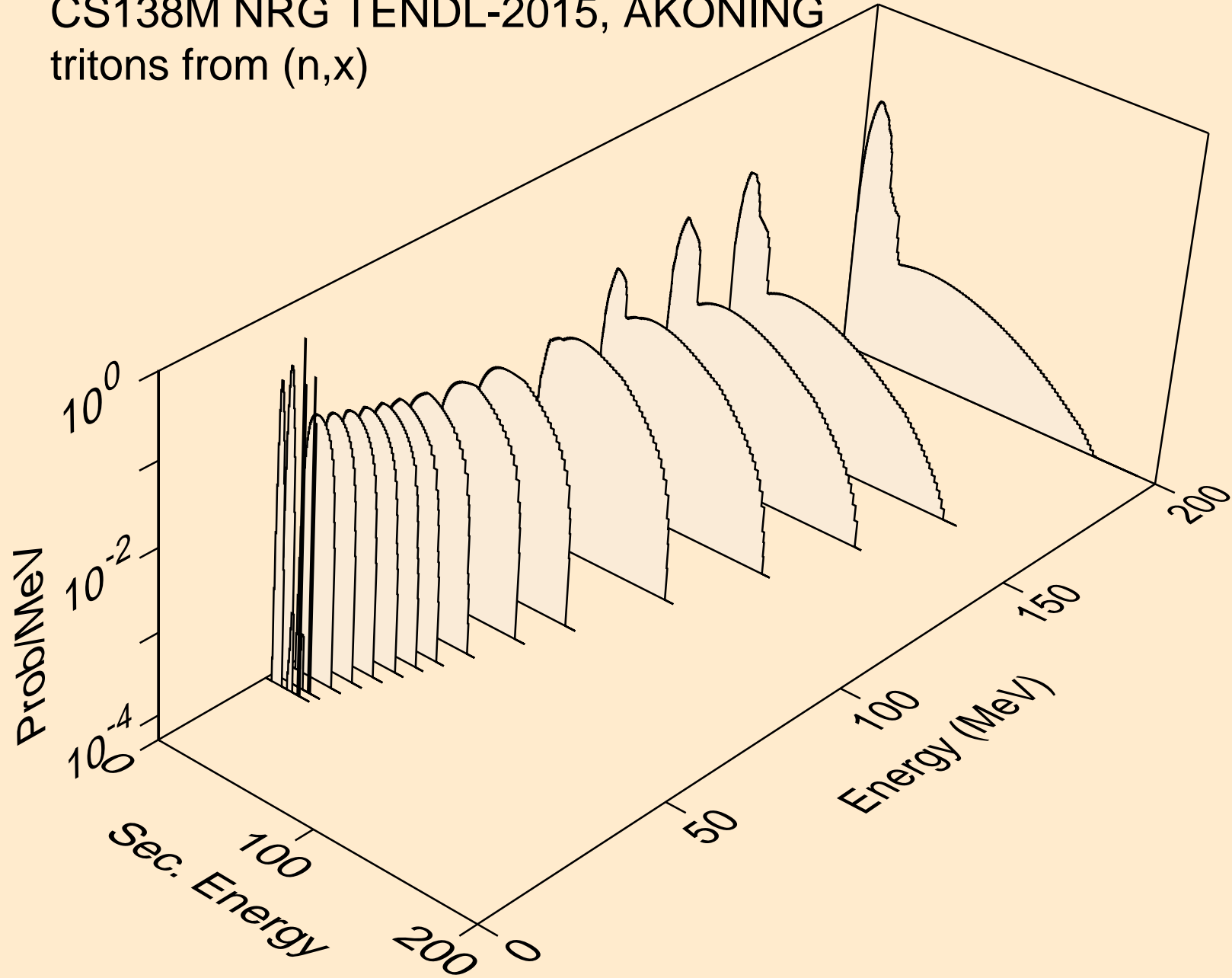


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deuterons from (n,da)

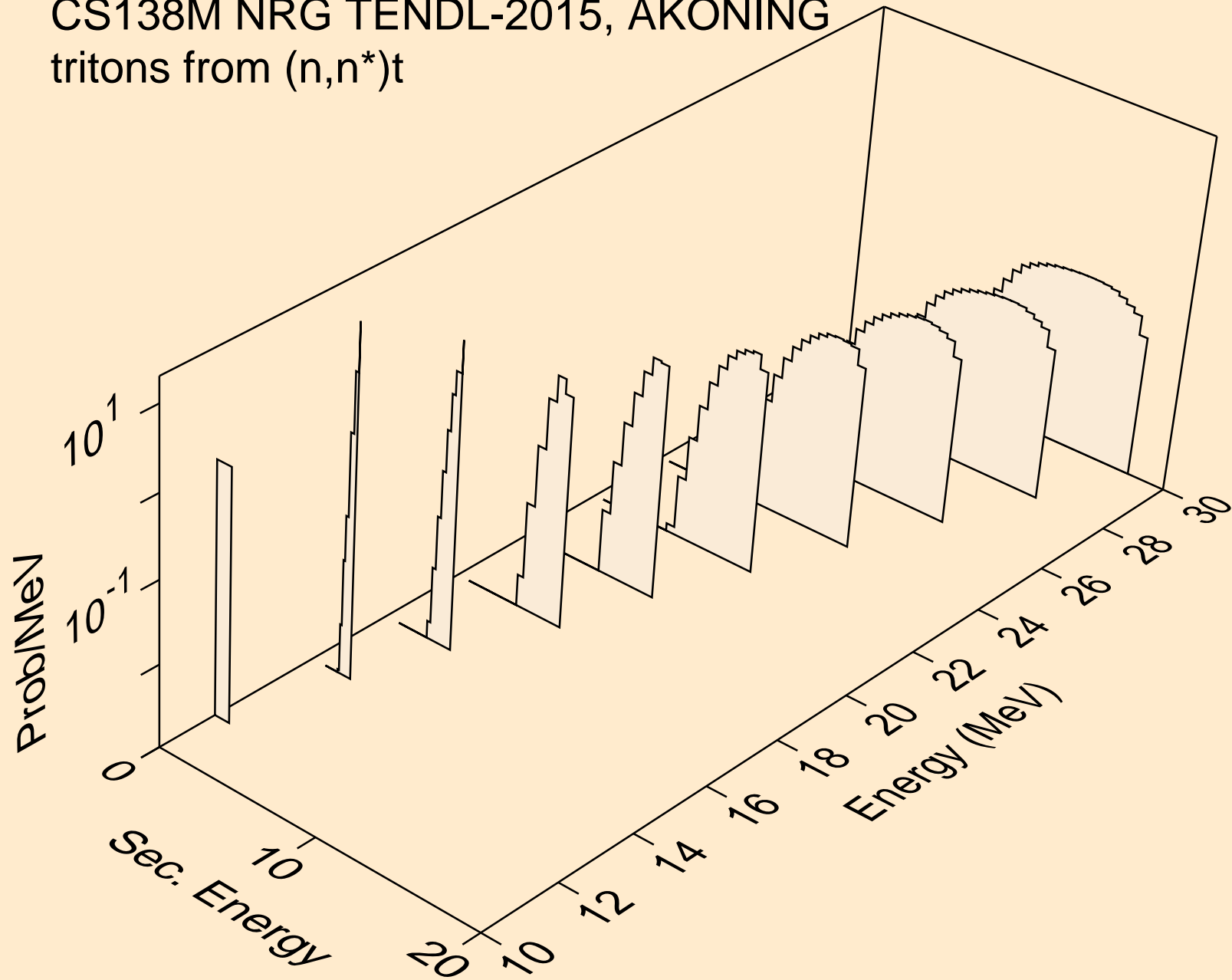




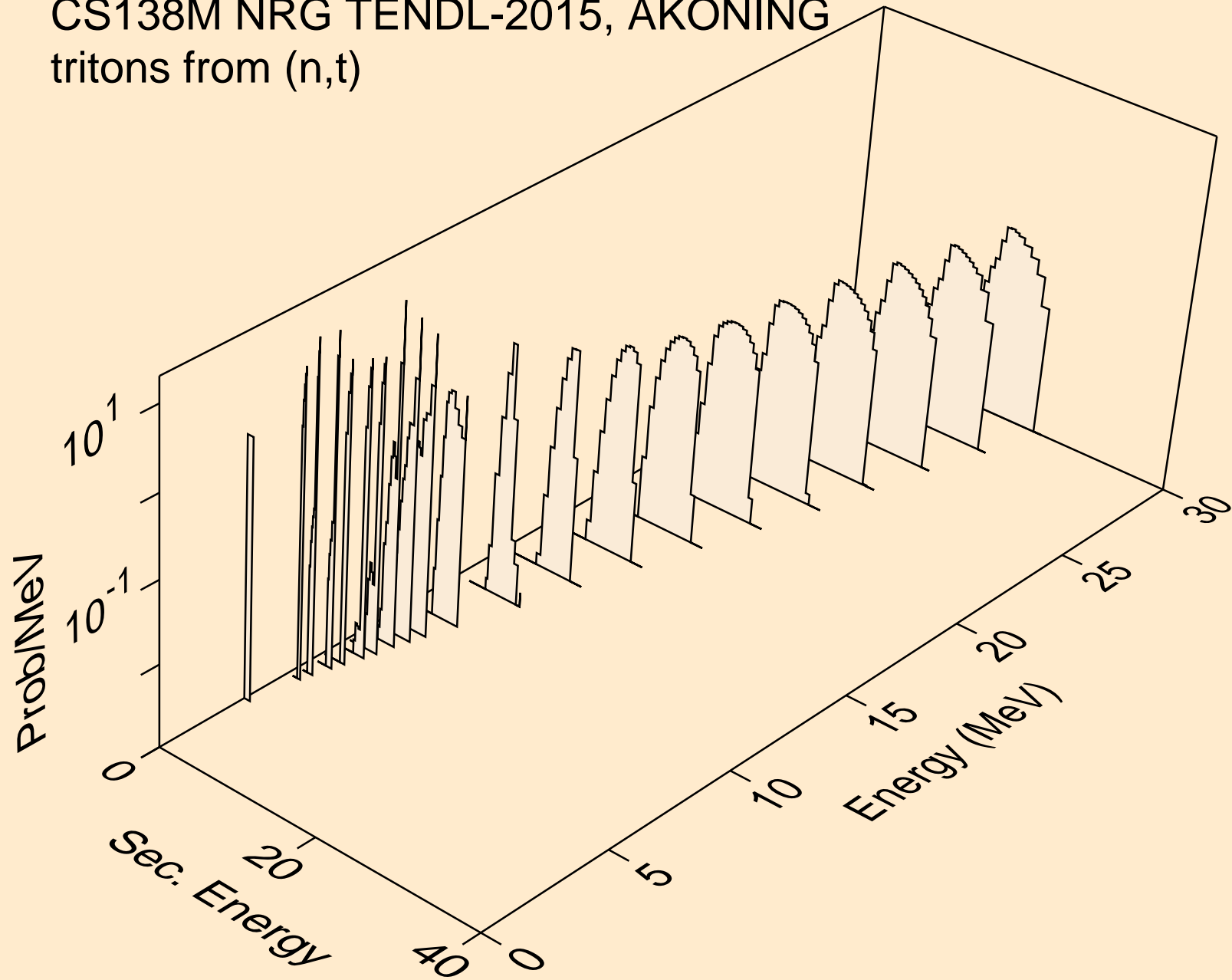
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tritons from (n,x)



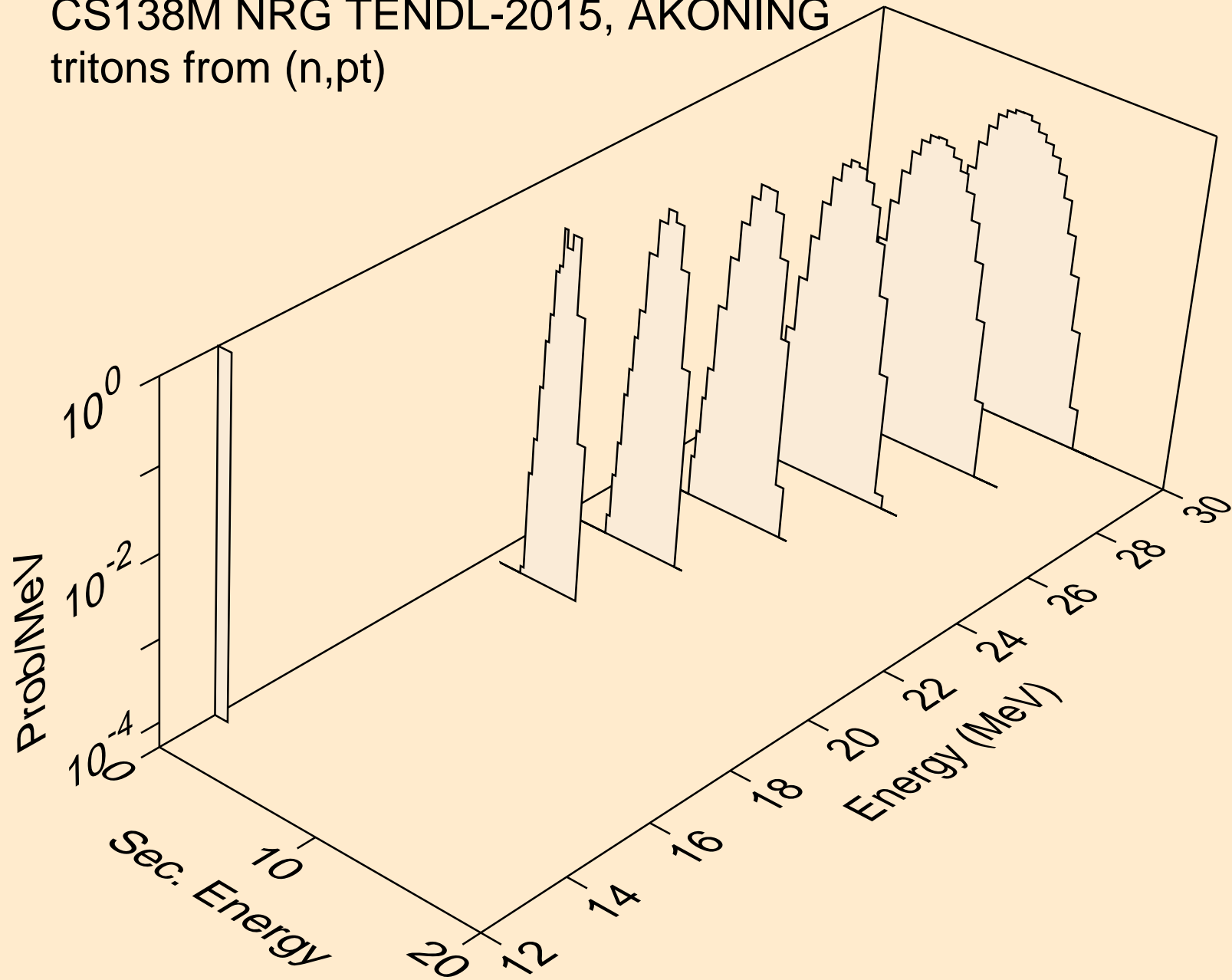
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tritons from (n,n\*)t



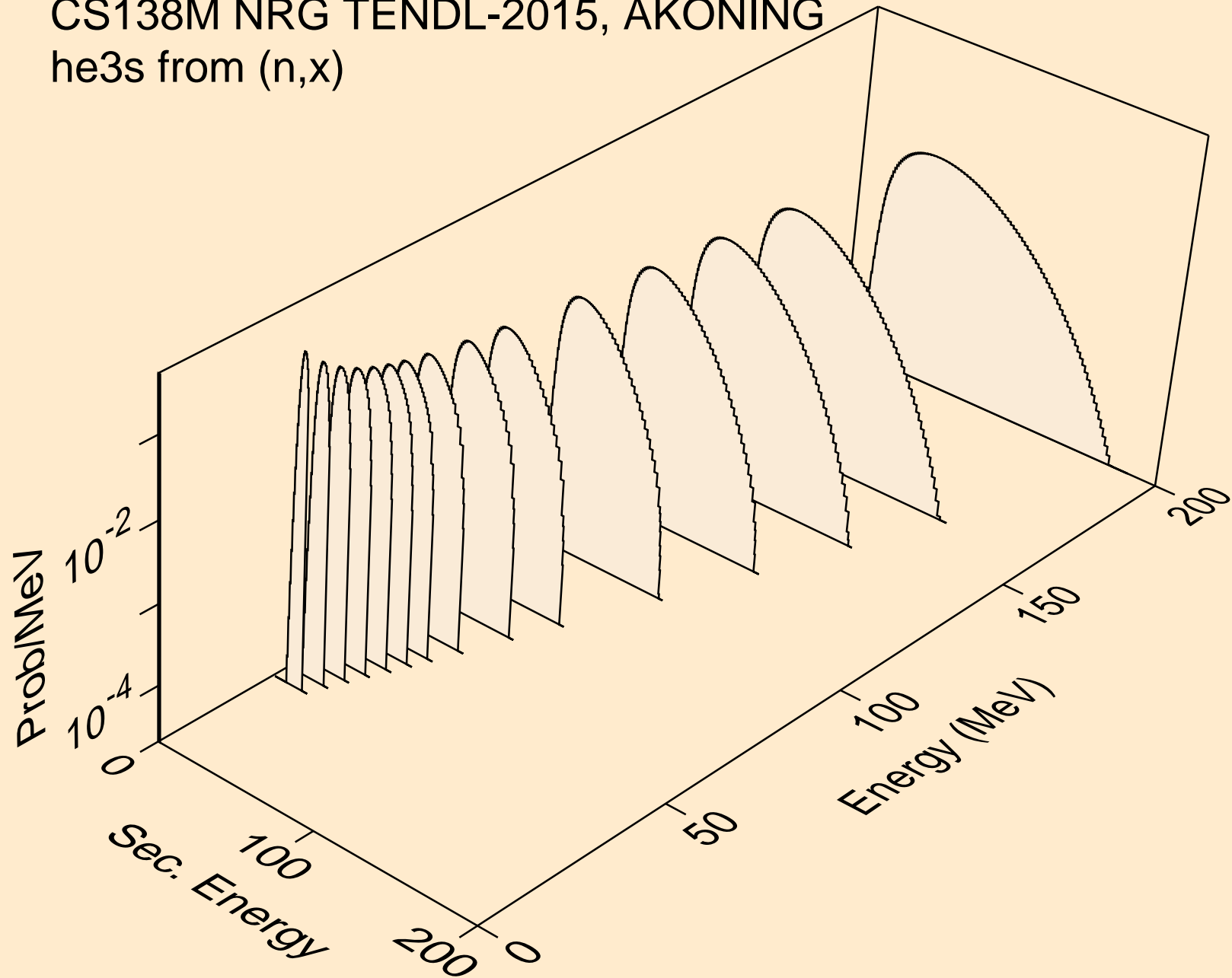
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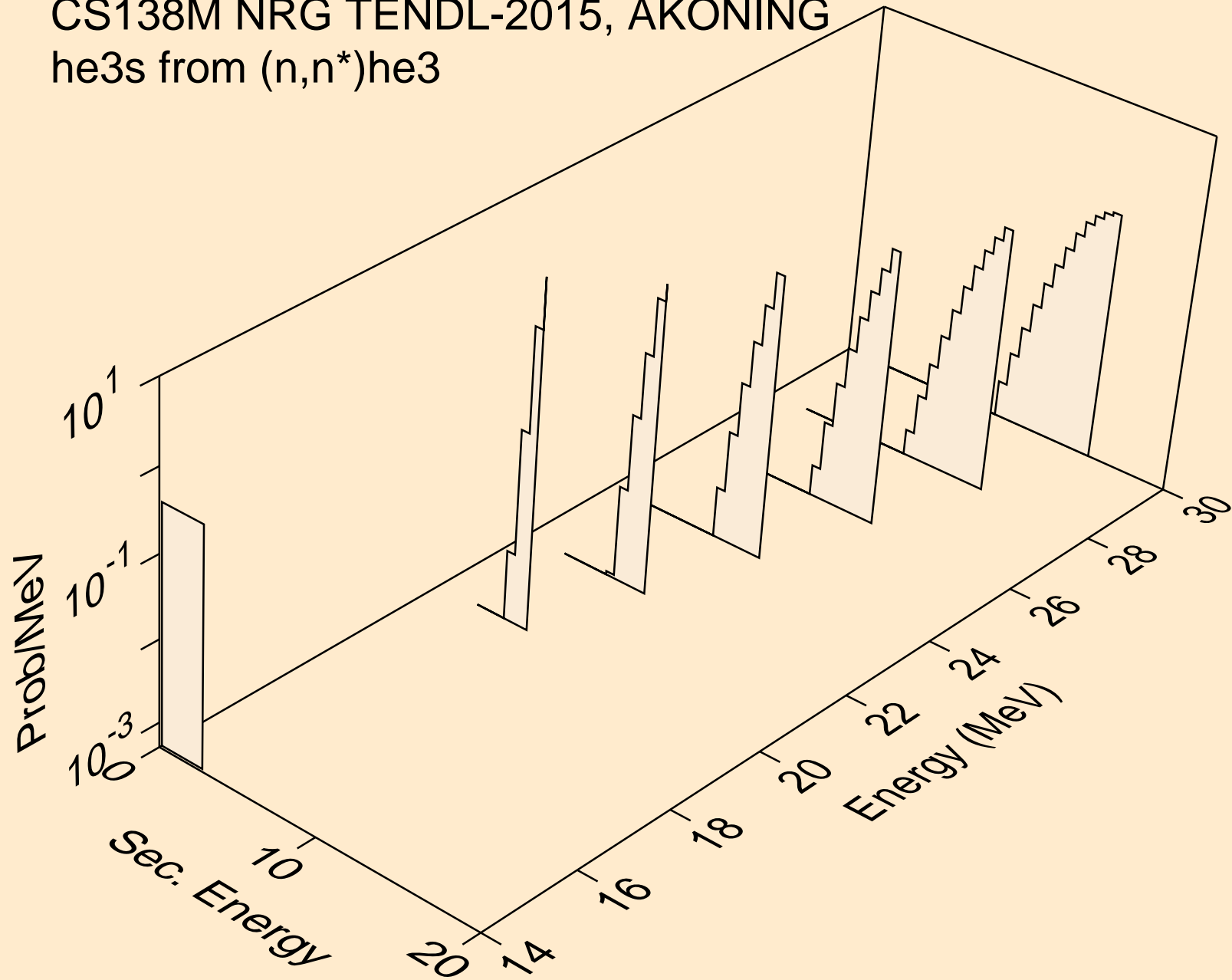
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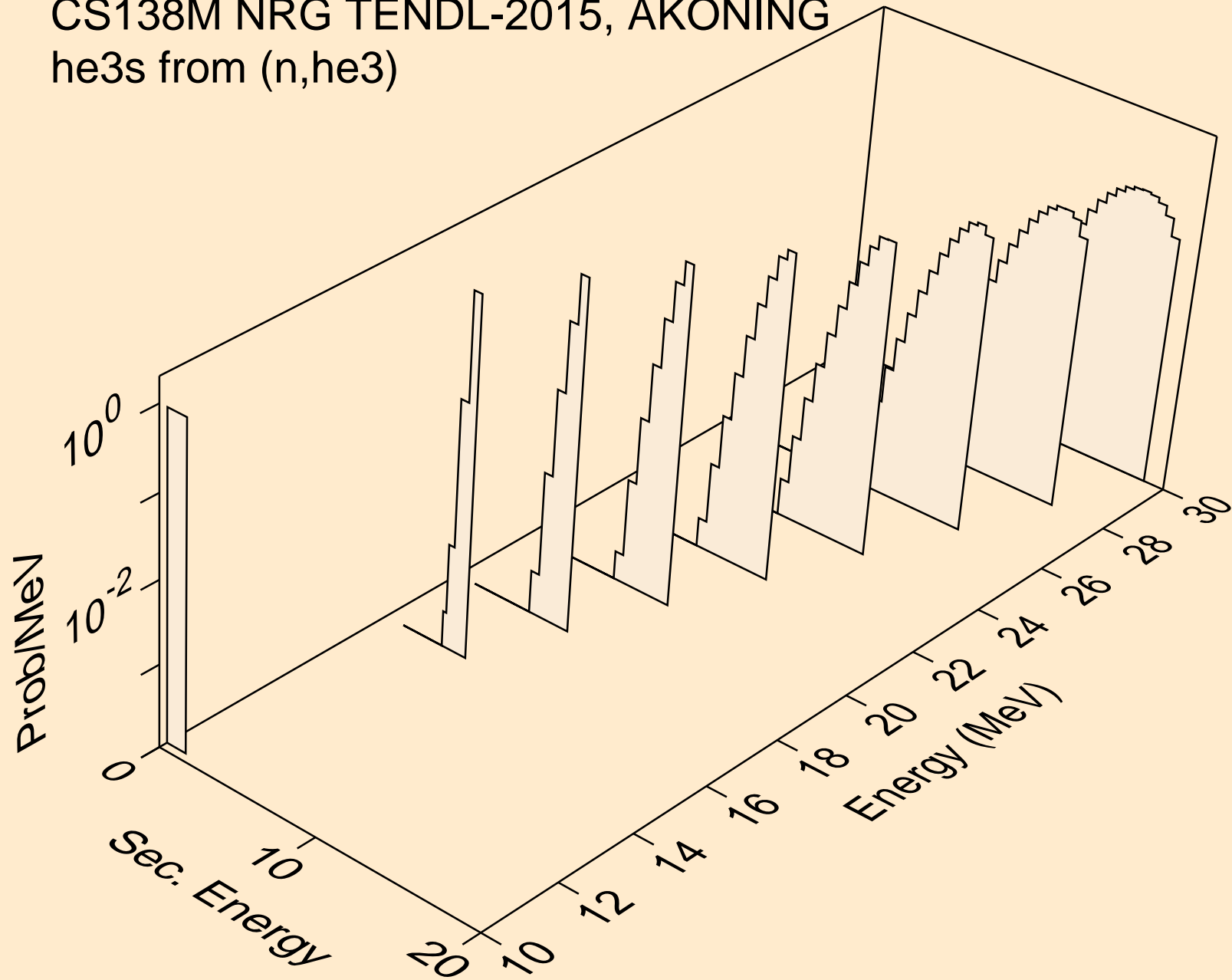
CS138M NRG TENDL-2015, AKONING  
he3s from (n,x)



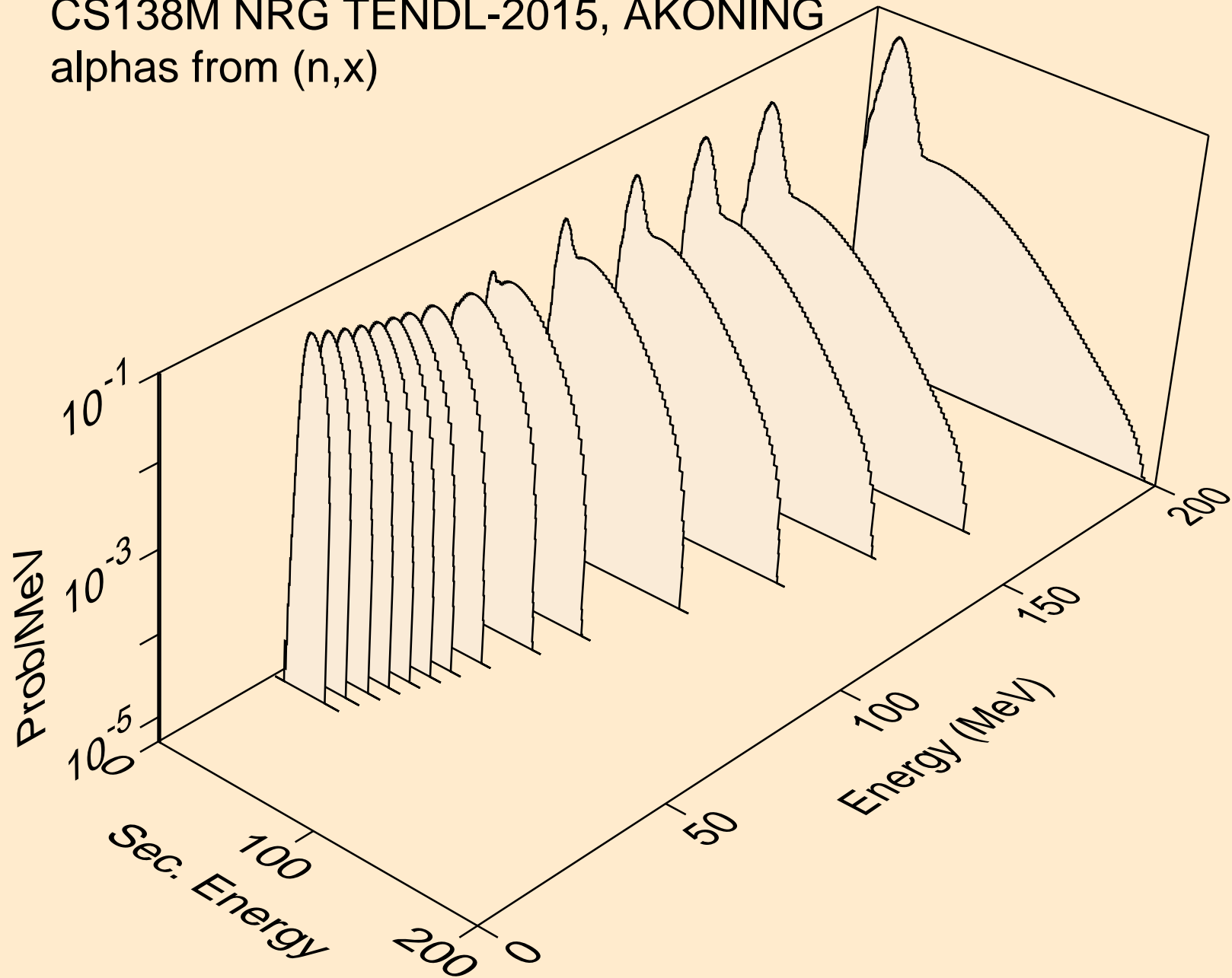
CS138M NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



CS138M NRG TENDL-2015, AKONING  
he3s from (n,he3)

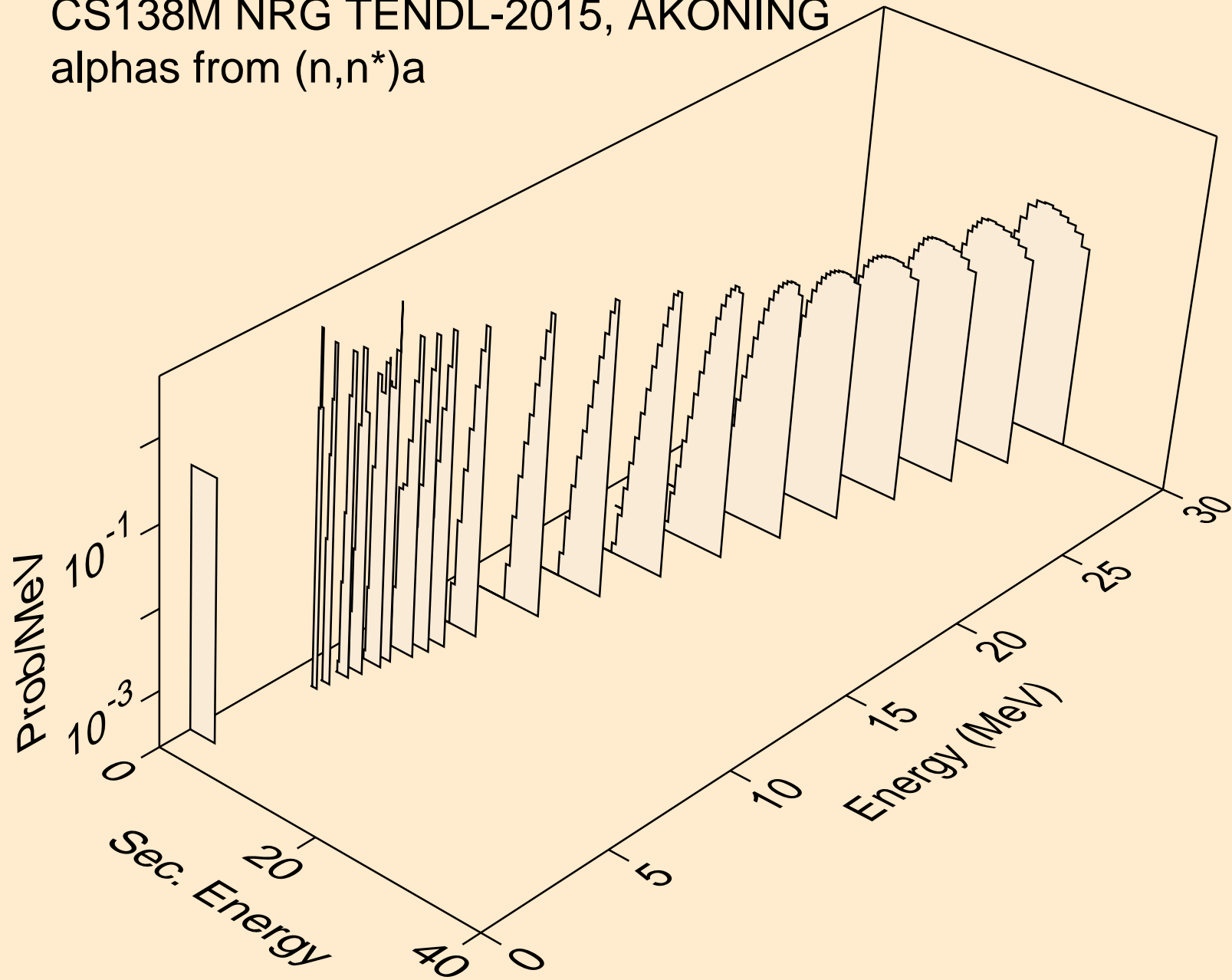


CS138M NRG TENDL-2015, AKONING  
alphas from (n,x)

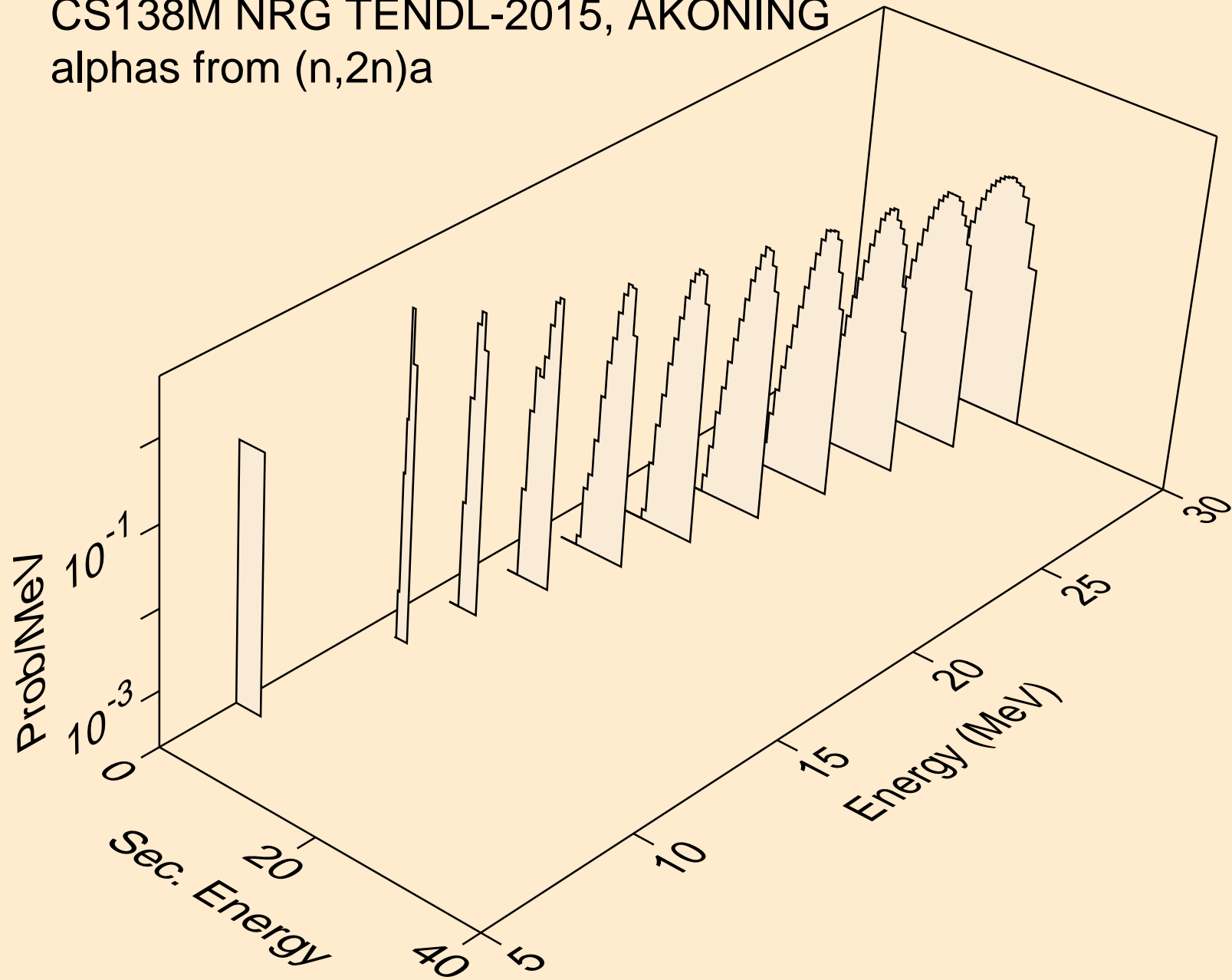




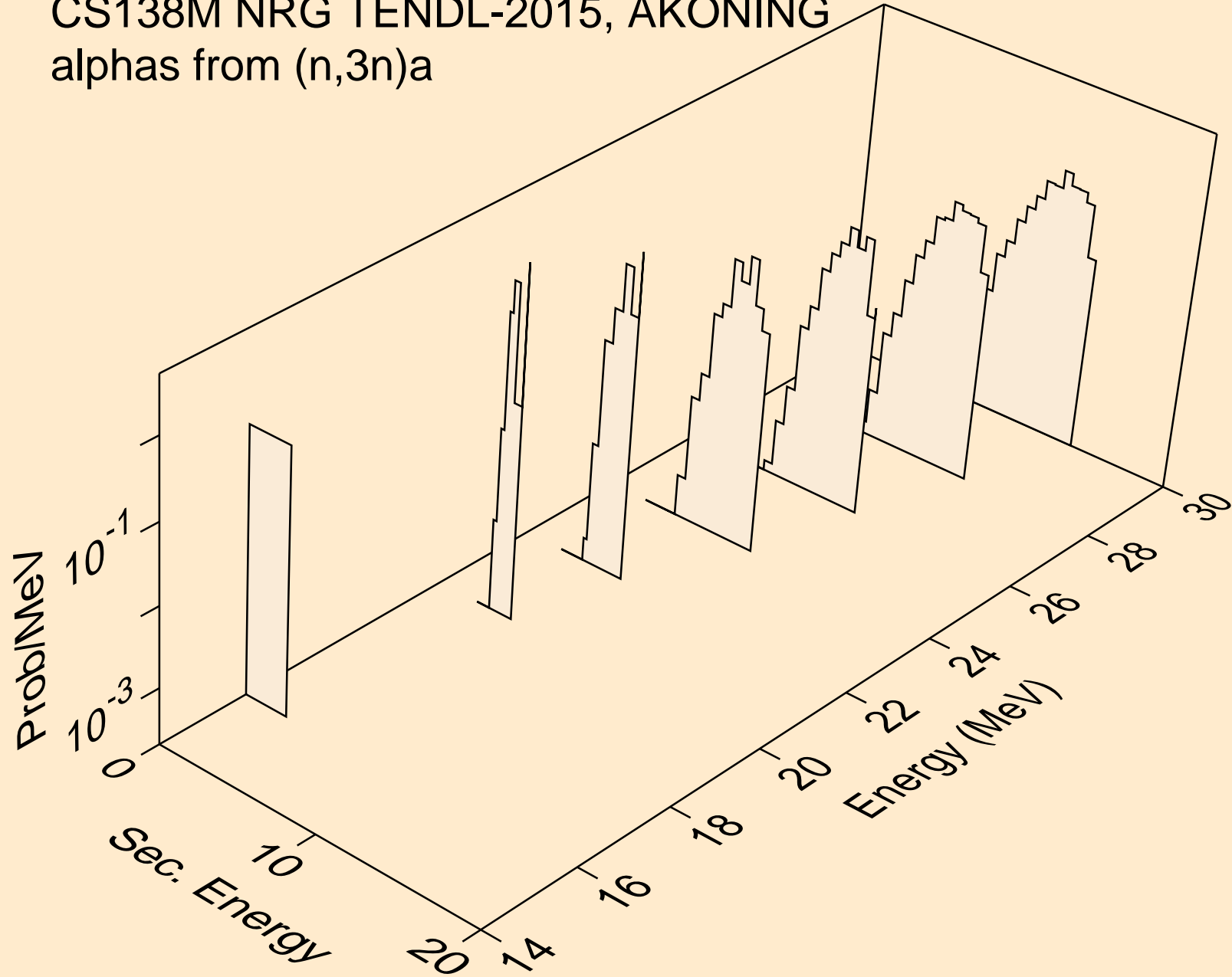
CS138M NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



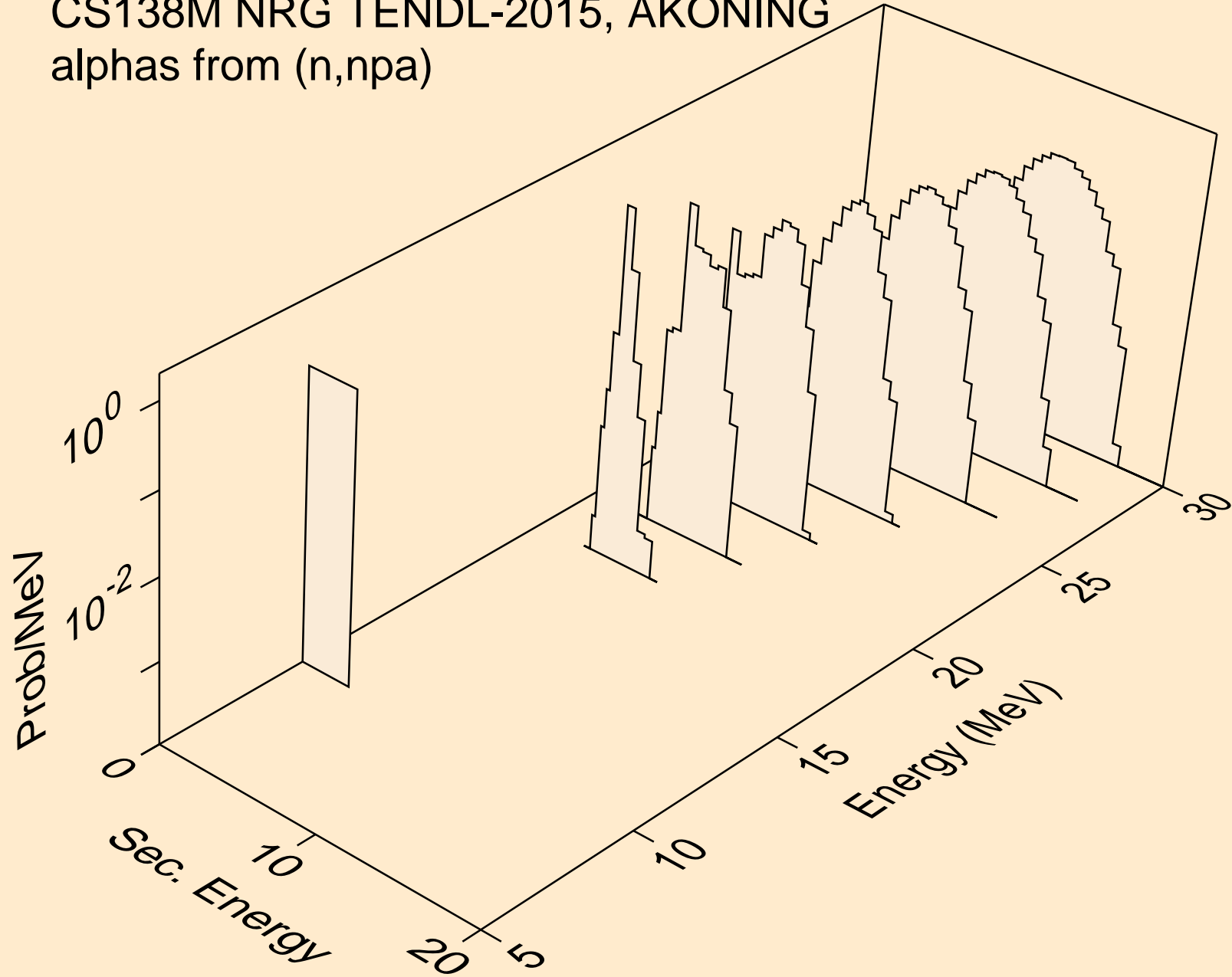
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alphas from (n,2n)a



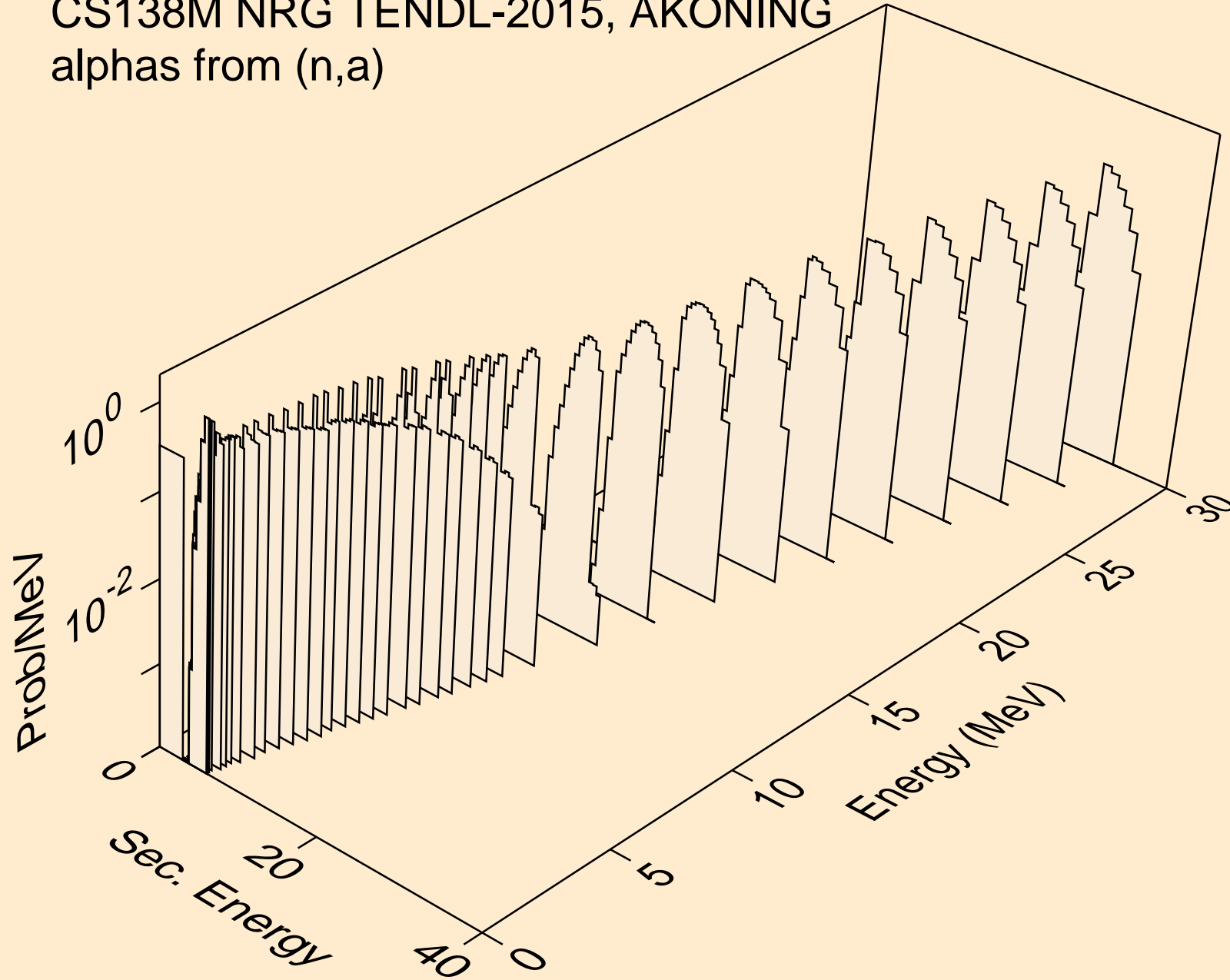
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alphas from (n,3n)a



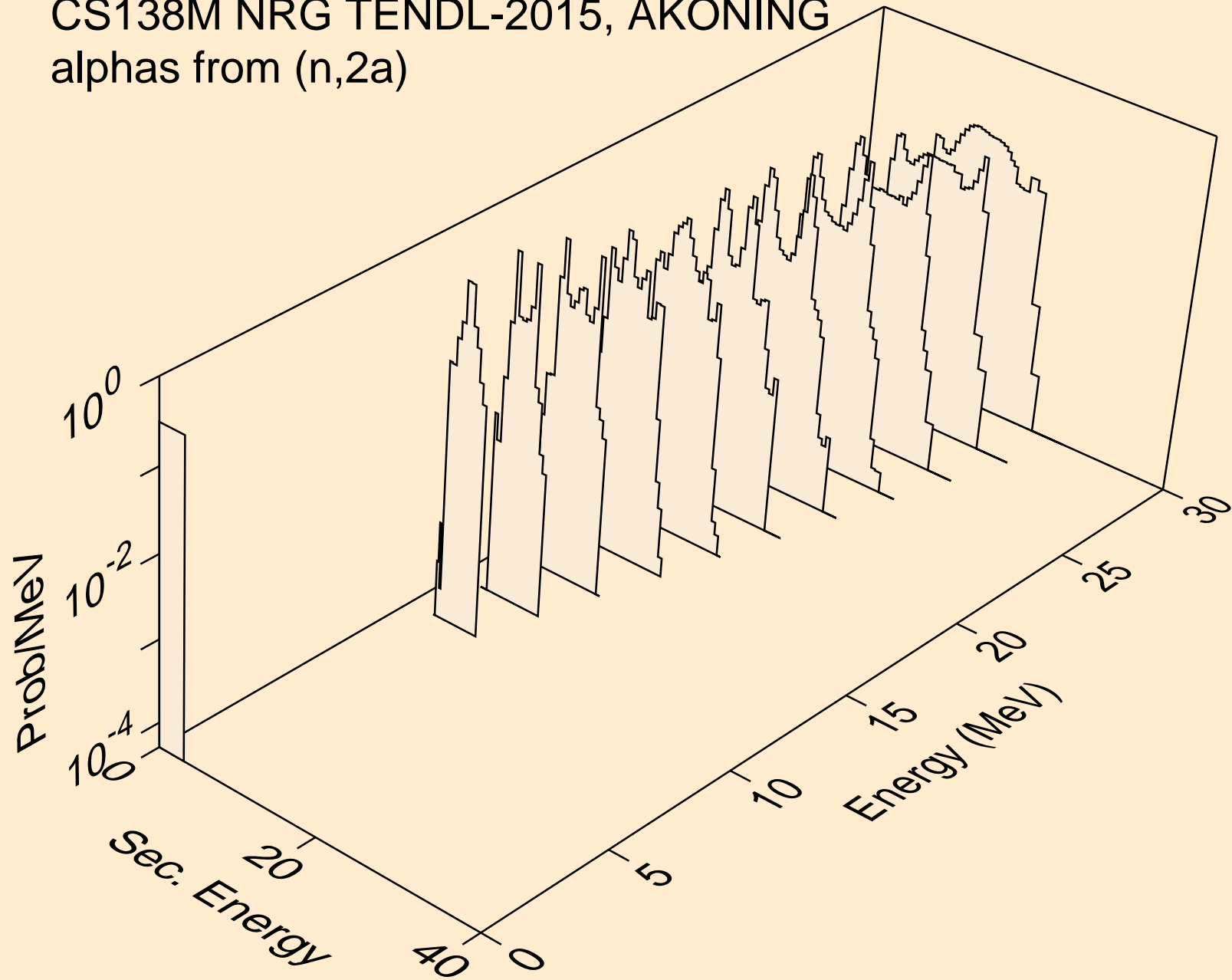
CS138M NRG TENDL-2015, AKONING  
alphas from (n,npa)



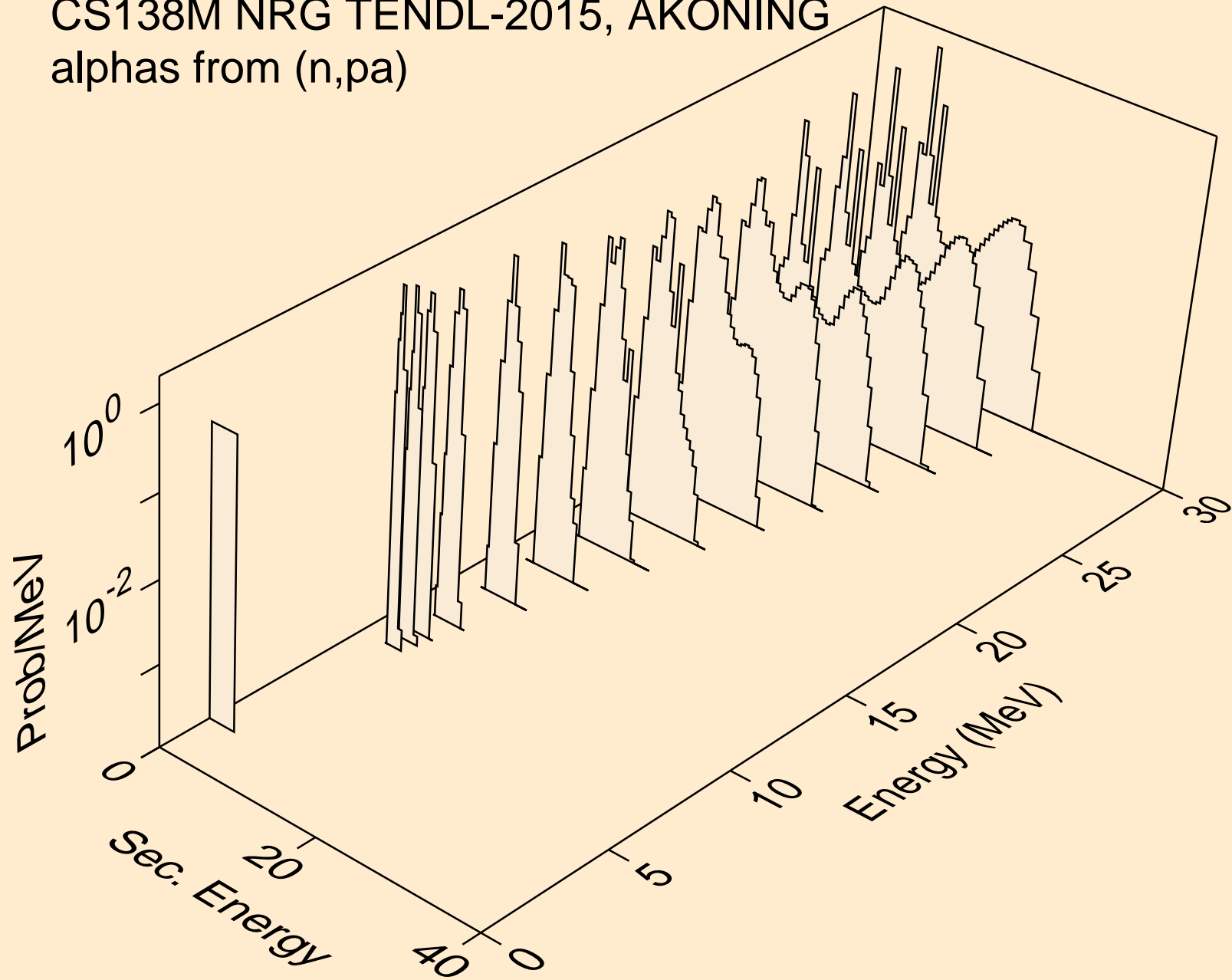
CS138M NRG TENDL-2015, AKONING  
alphas from (n,a)



CS138M NRG TENDL-2015, AKONING  
alphas from (n,2a)



CS138M NRG TENDL-2015, AKONING  
alphas from (n,pa)



CS138M NRG TENDL-2015, AKONING  
alphas from (n,da)

