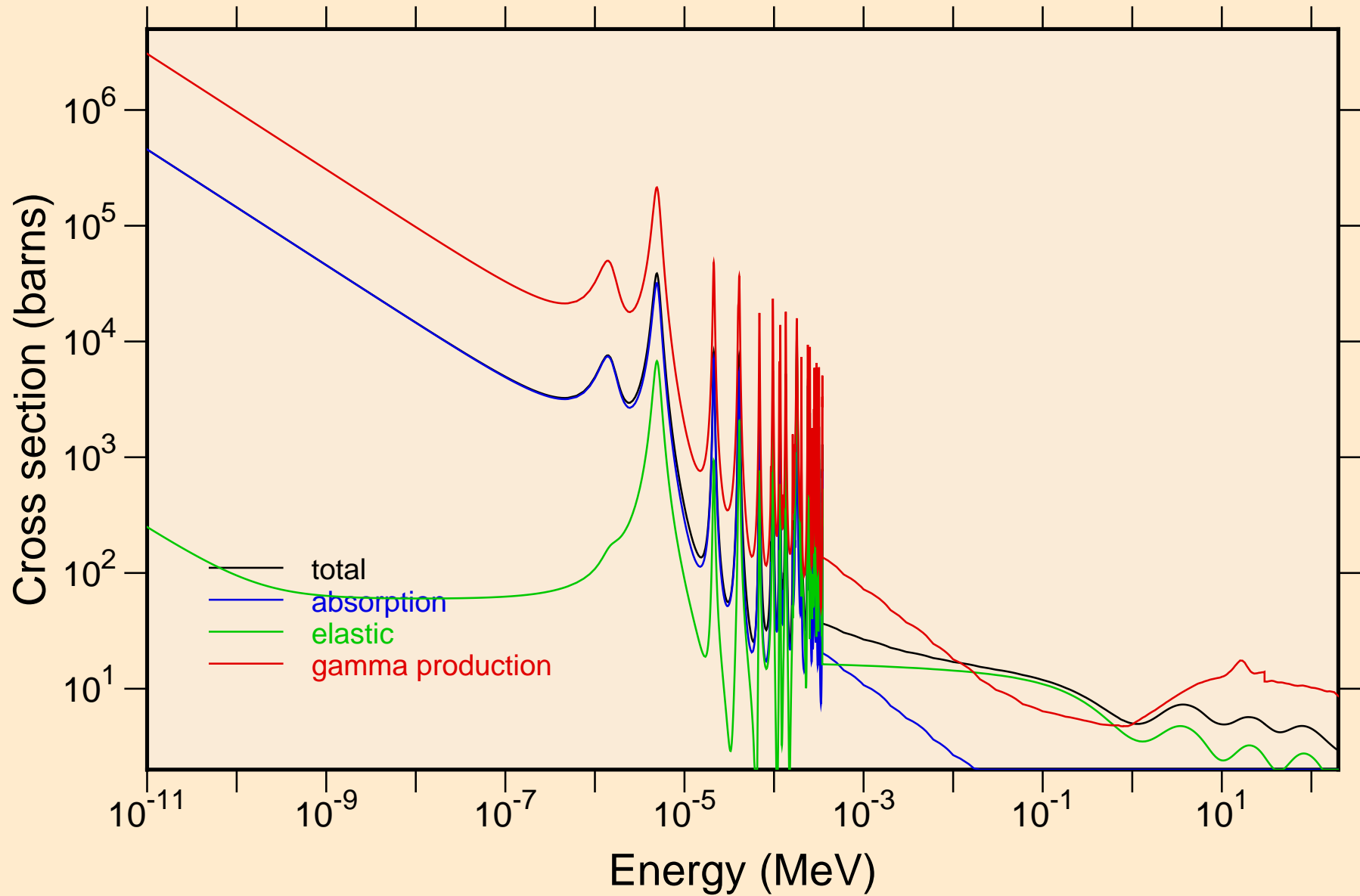
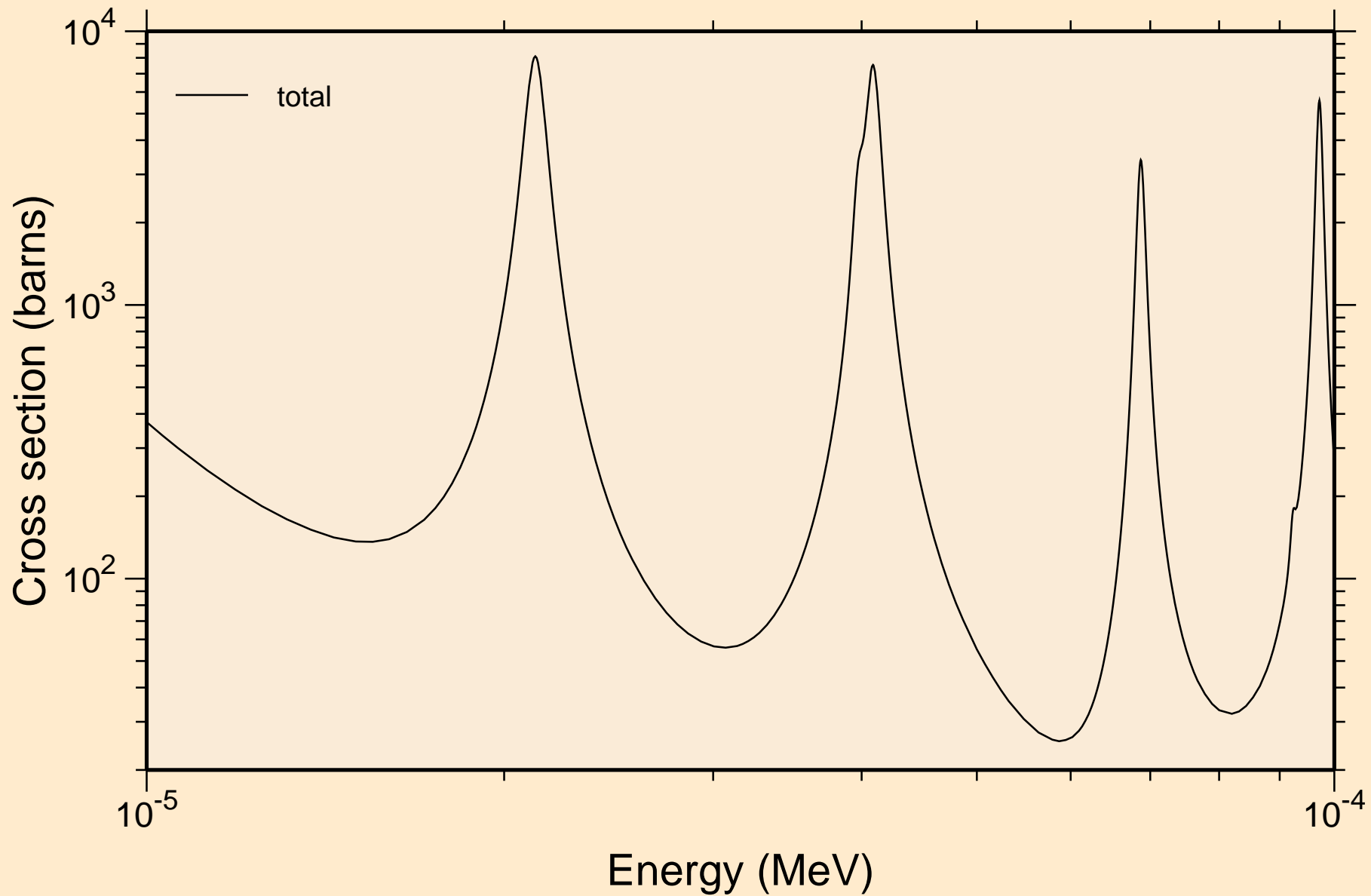


# HG199M NRG TENDL-2015, AKONING

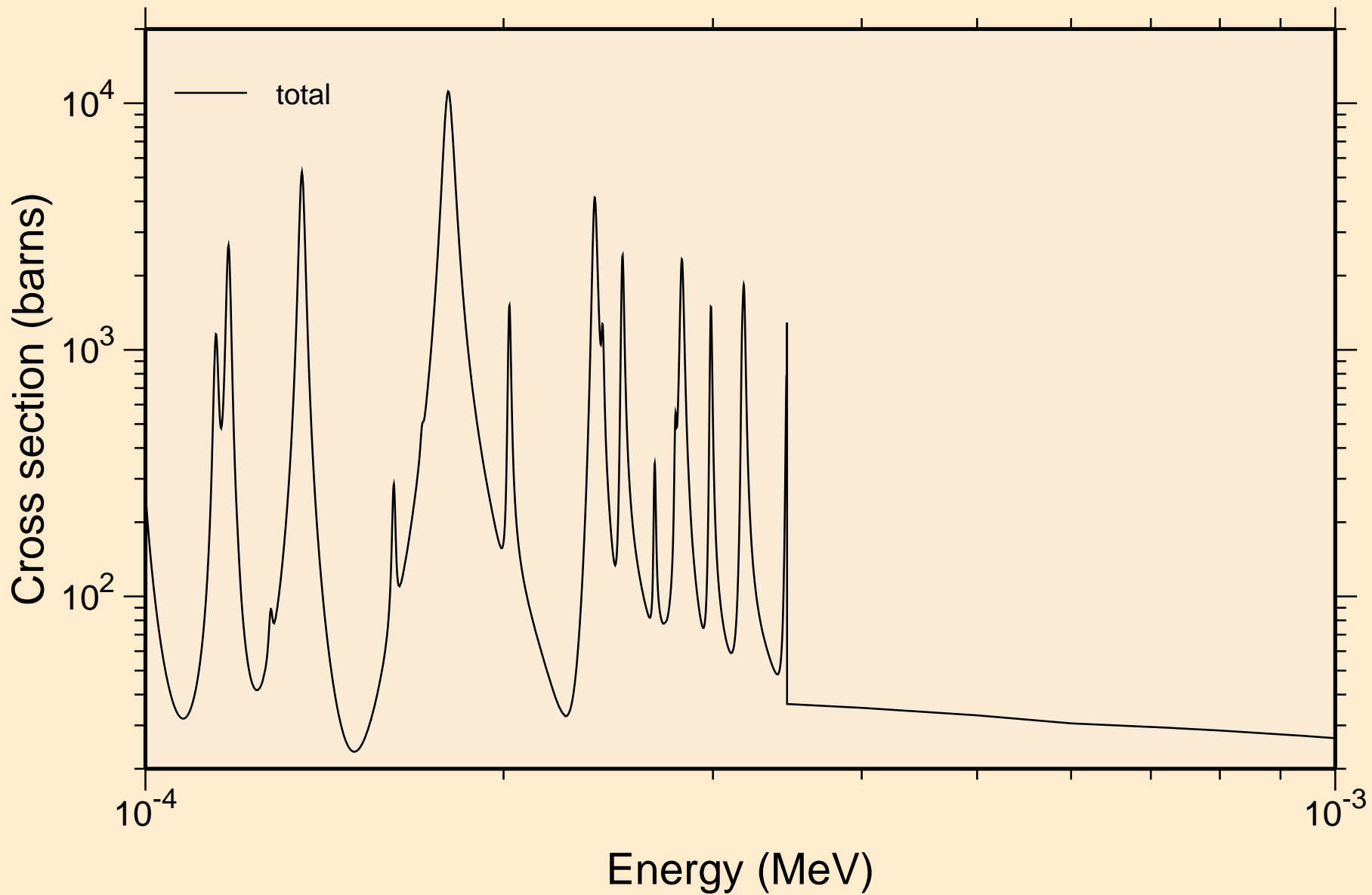
## Principal cross sections



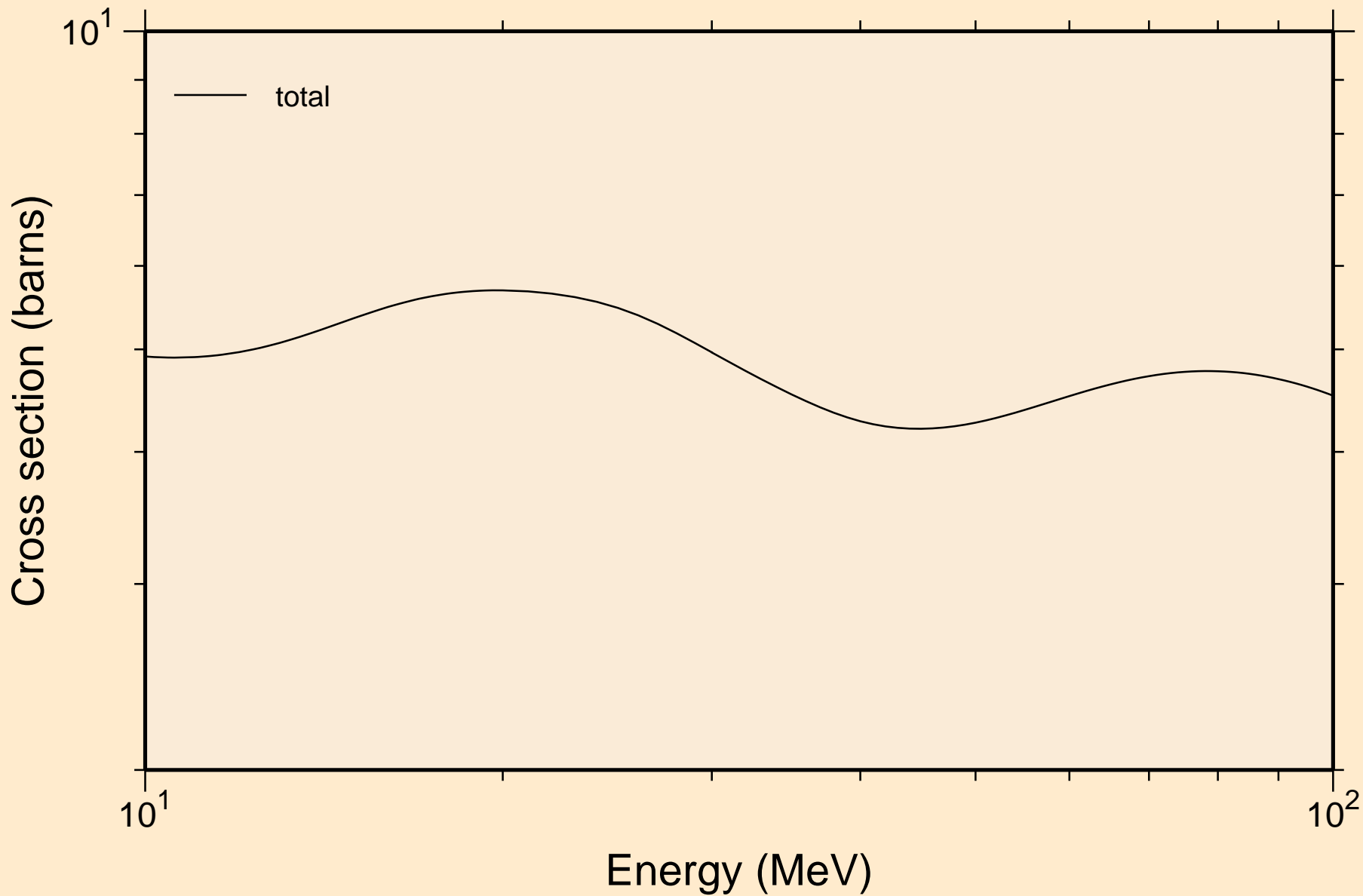
HG199M NRG TENDL-2015, AKONING  
resonance total cross section



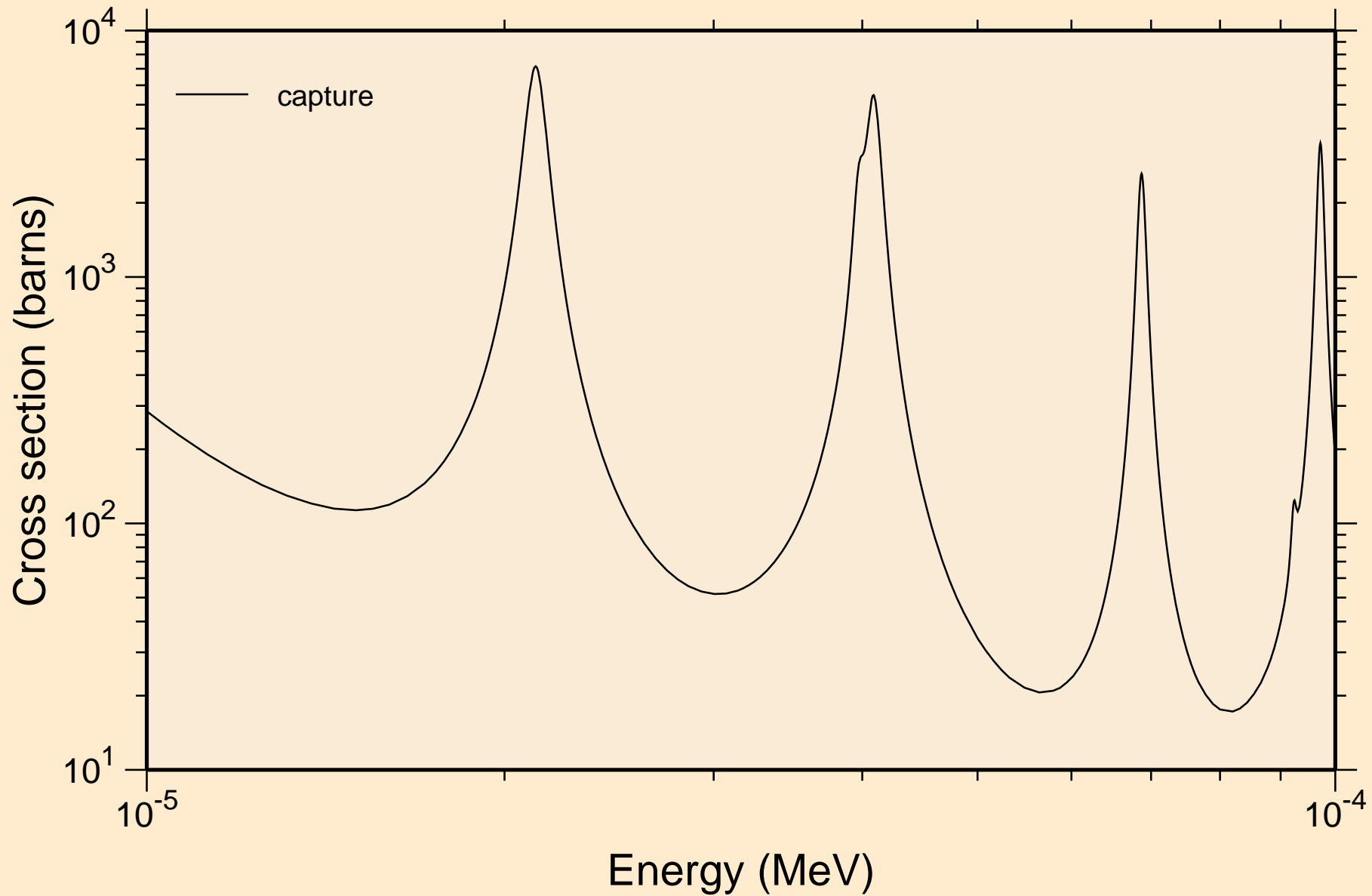
HG199M NRG TENDL-2015, AKONING  
resonance total cross section



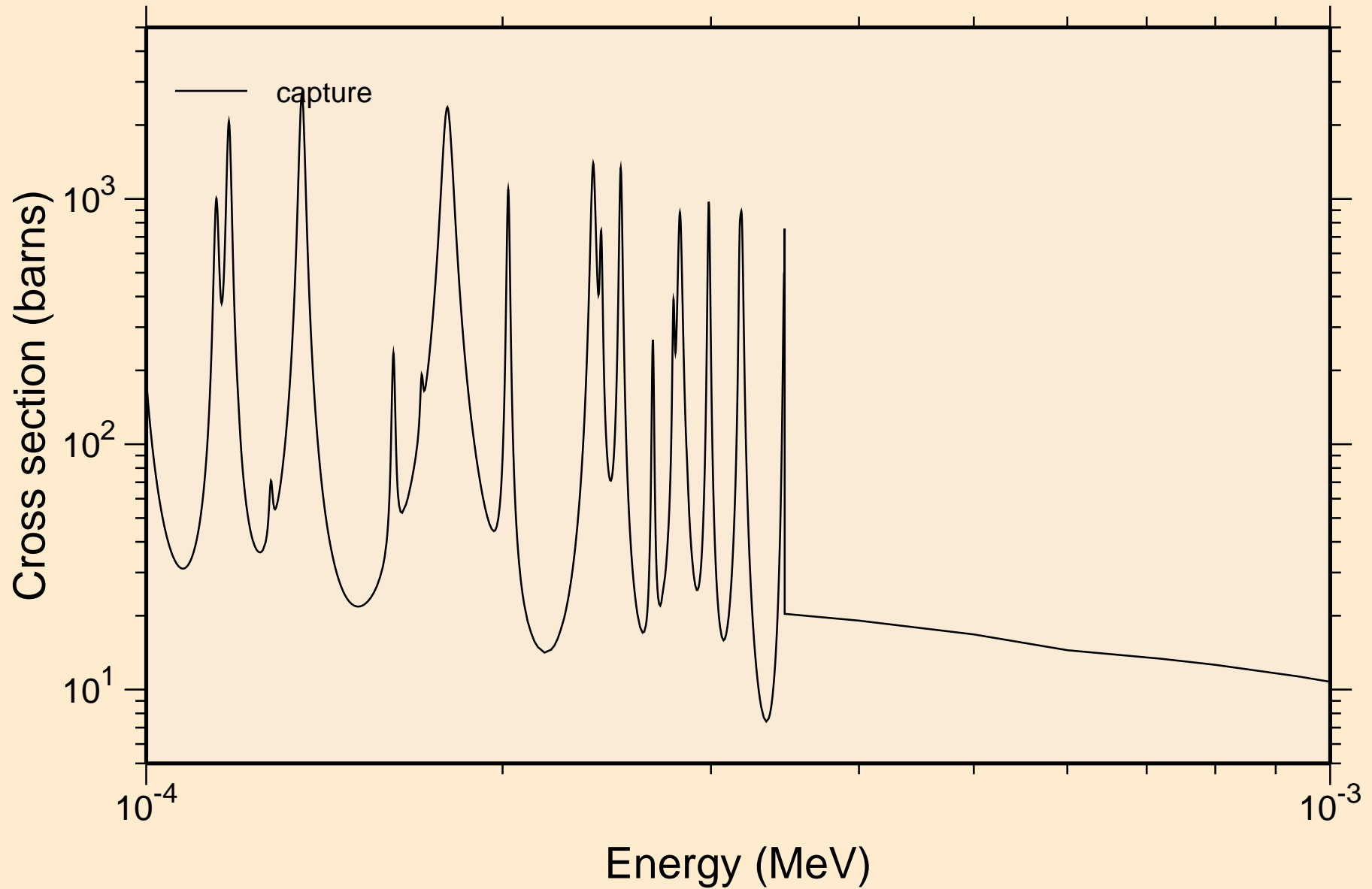
HG199M NRG TENDL-2015, AKONING  
resonance total cross section



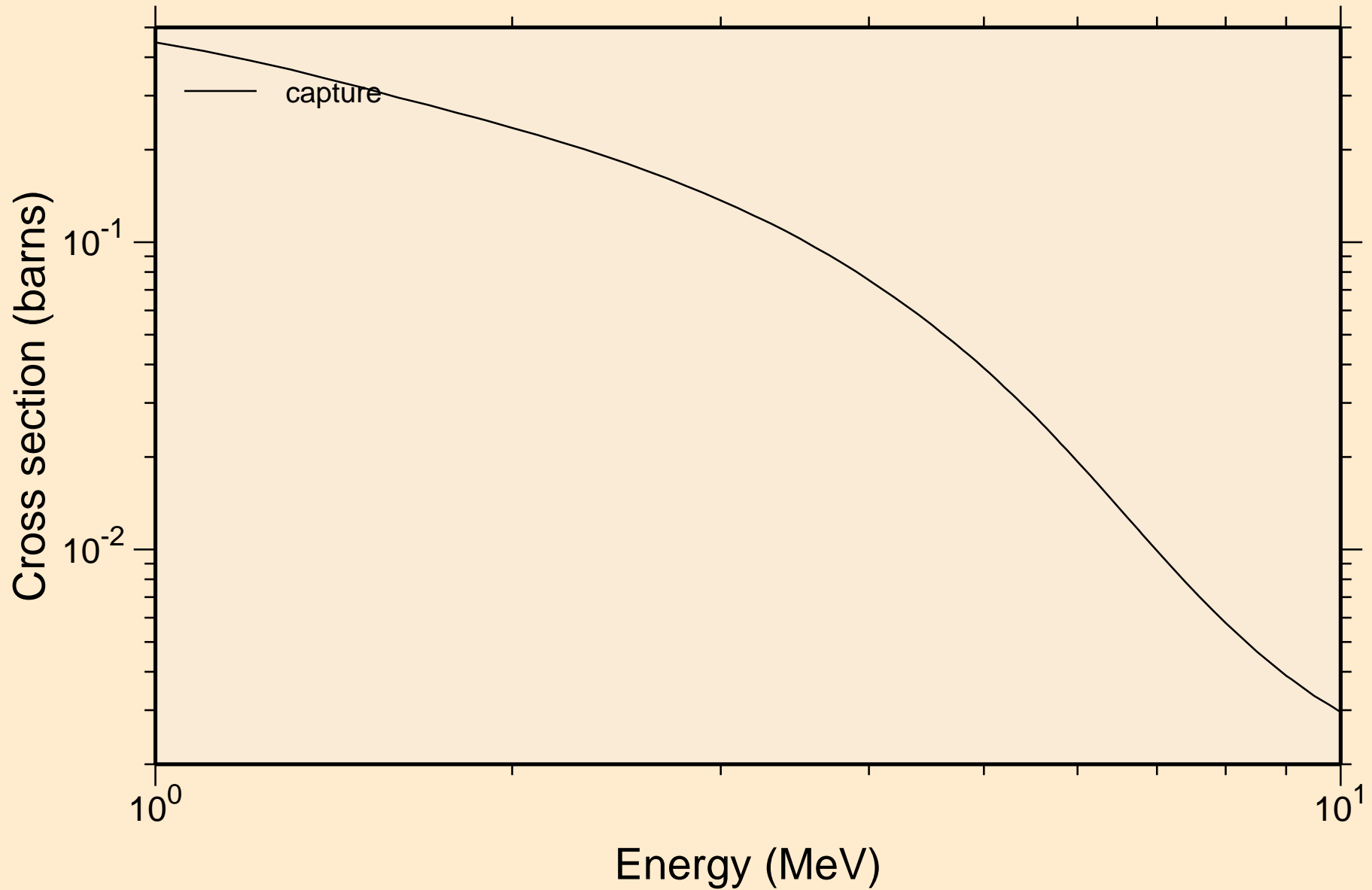
# HG199M NRG TENDL-2015, AKONING resonance absorption cross sections



# HG199M NRG TENDL-2015, AKONING resonance absorption cross sections

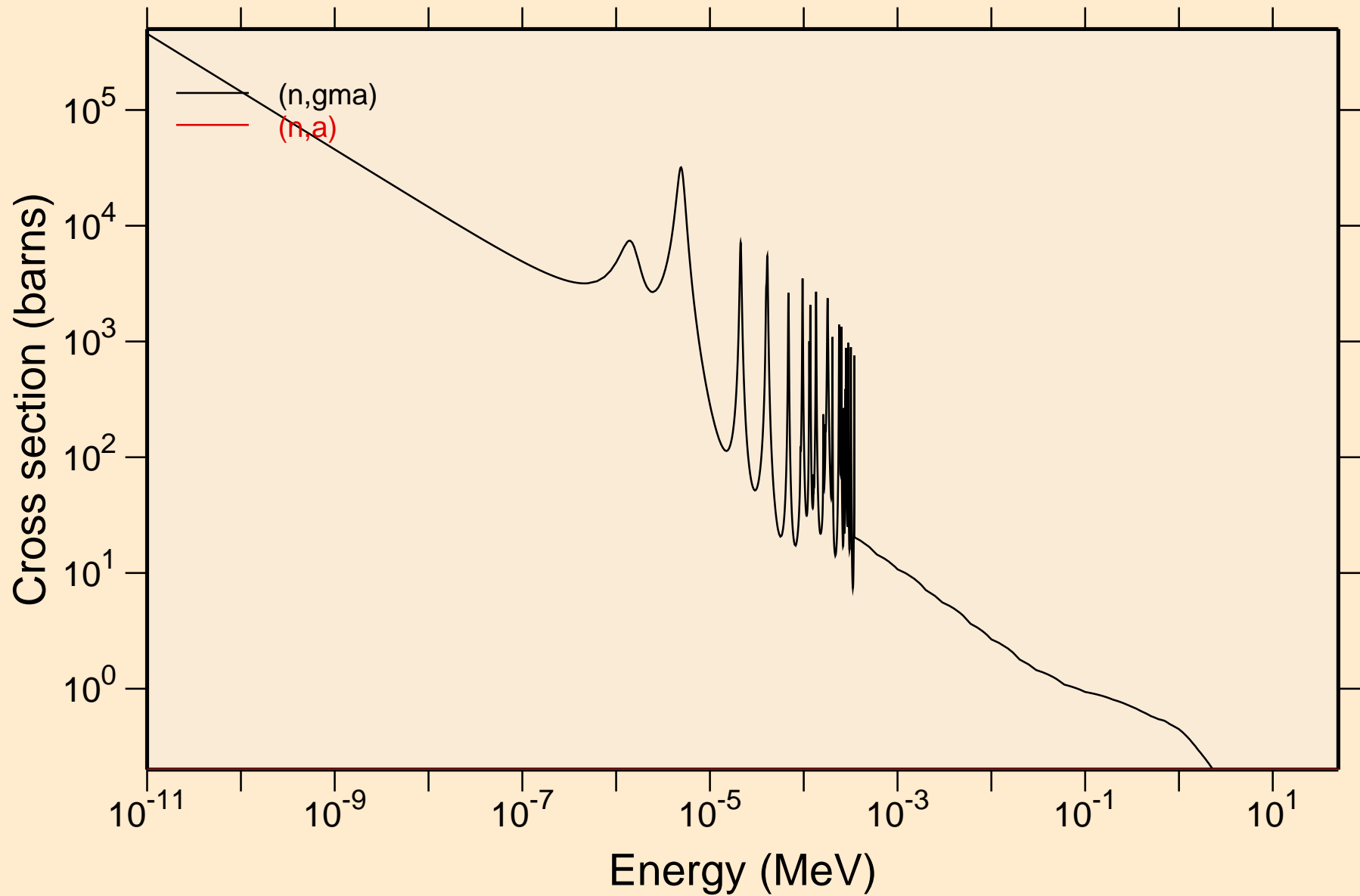


HG199M NRG TENDL-2015, AKONING  
resonance absorption cross sections



# HG199M NRG TENDL-2015, AKONING

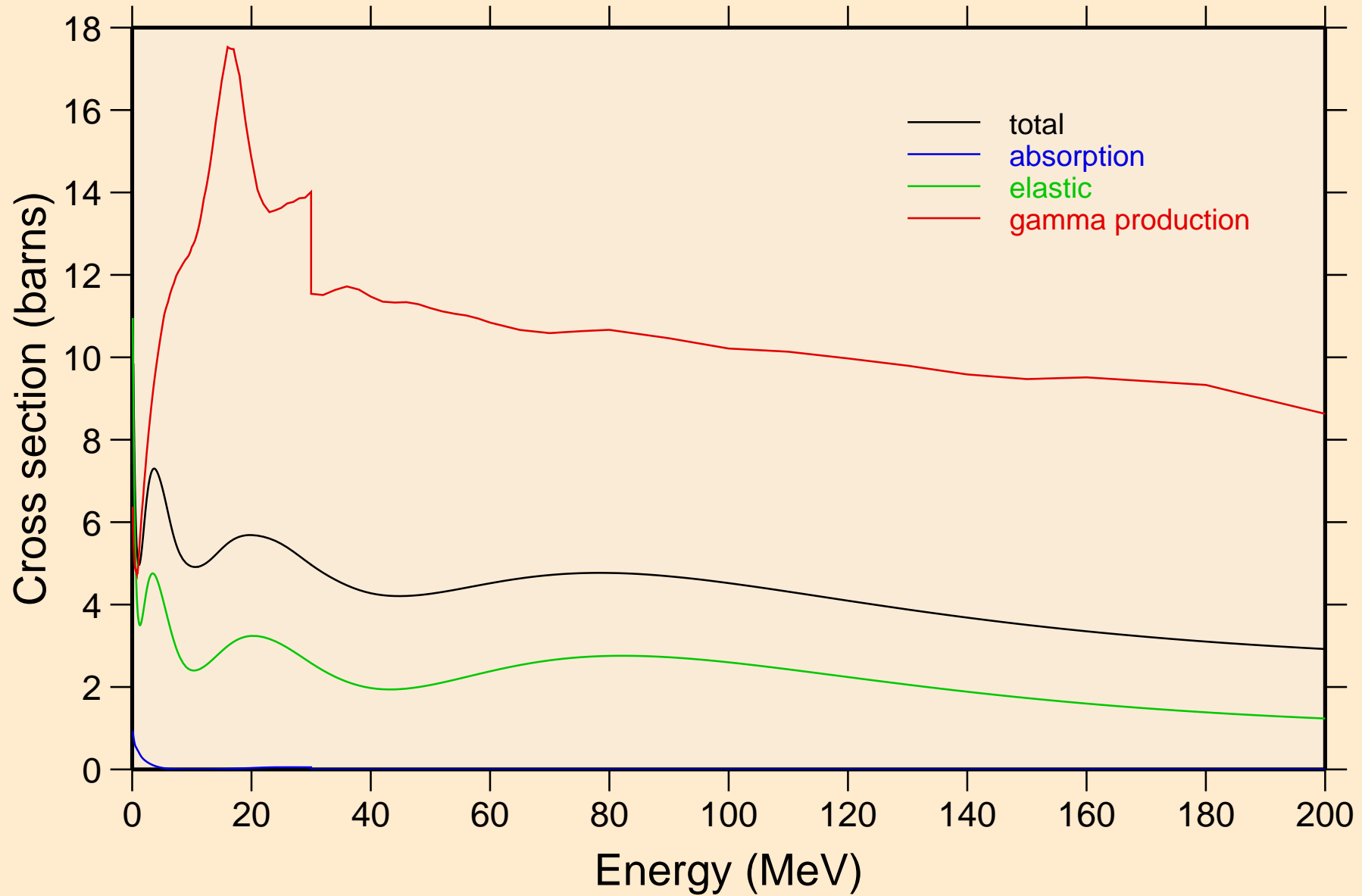
## Non-threshold reactions





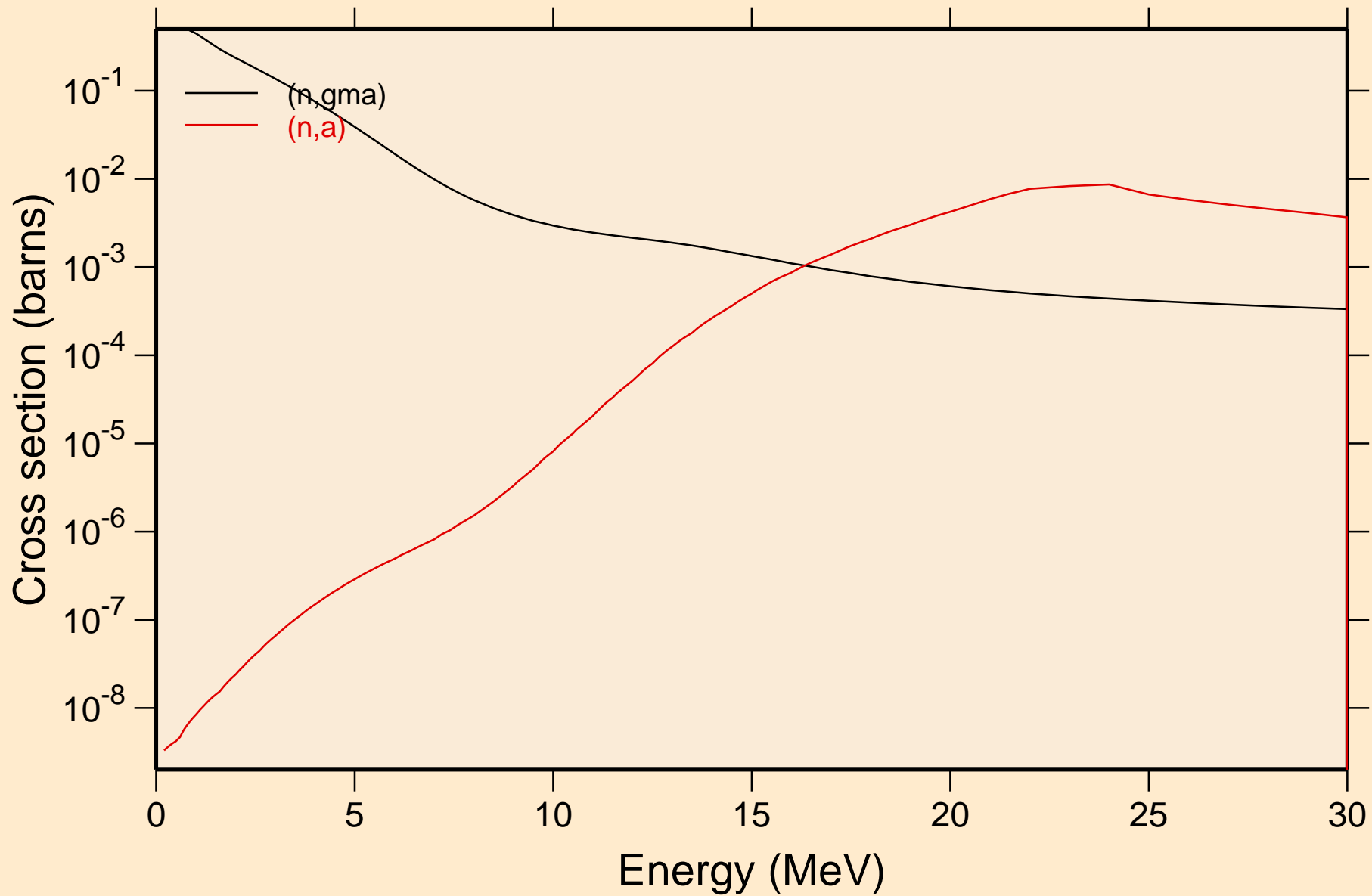
# HG199M NRG TENDL-2015, AKONING

## Principal cross sections



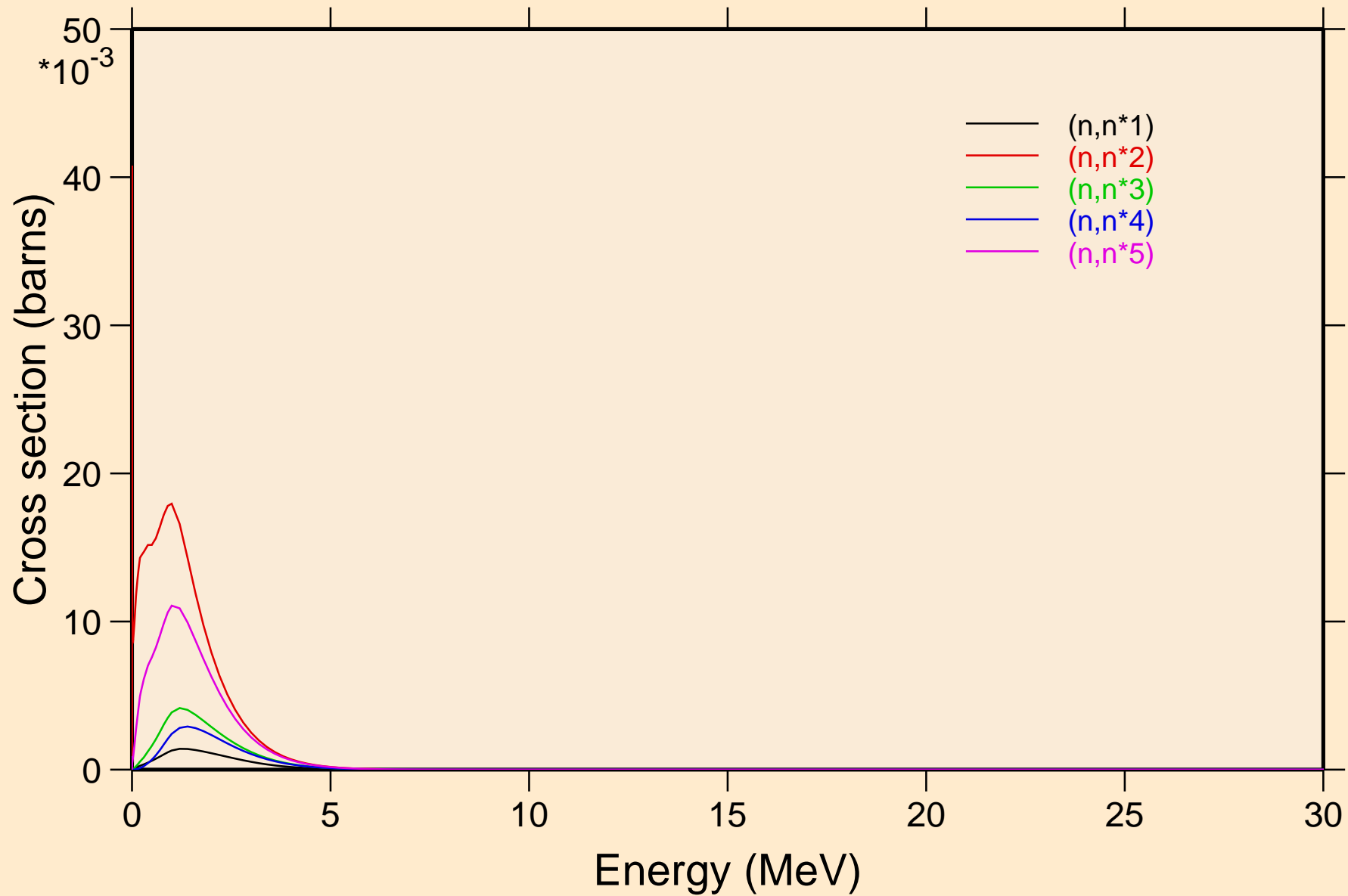
# HG199M NRG TENDL-2015, AKONING

## Non-threshold reactions



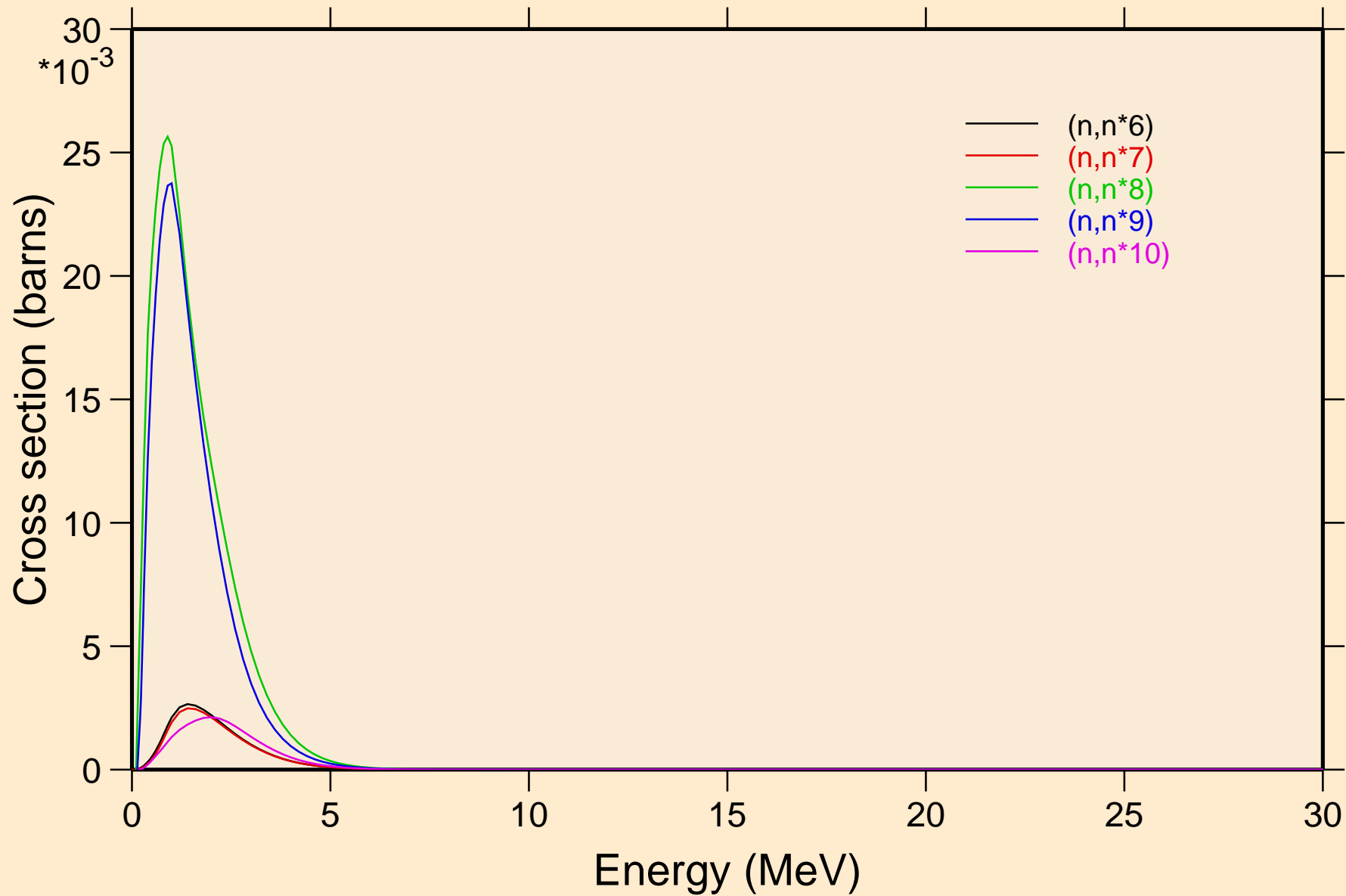
# HG199M NRG TENDL-2015, AKONING

## Inelastic levels



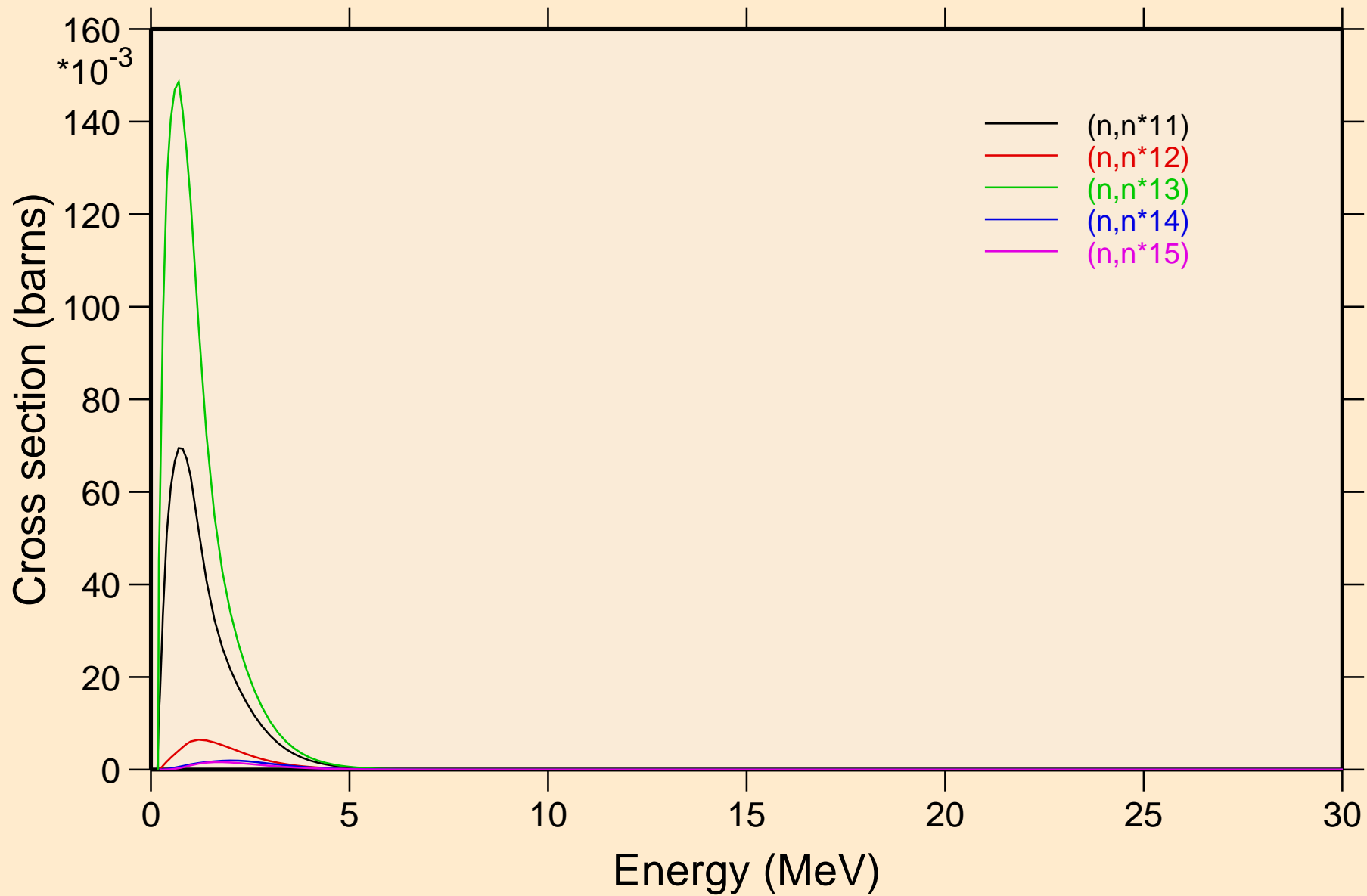
# HG199M NRG TENDL-2015, AKONING

## Inelastic levels



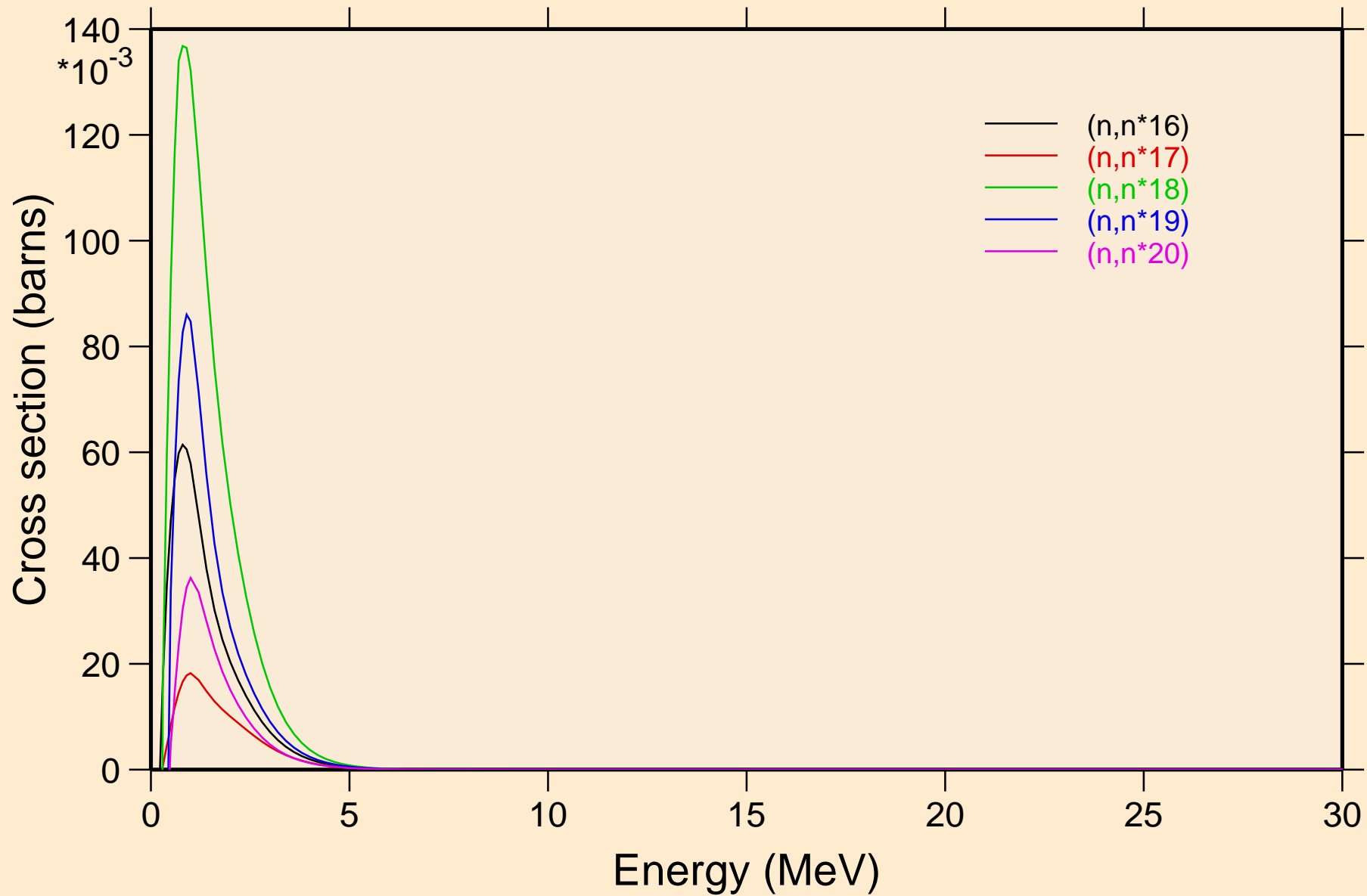
# HG199M NRG TENDL-2015, AKONING

## Inelastic levels



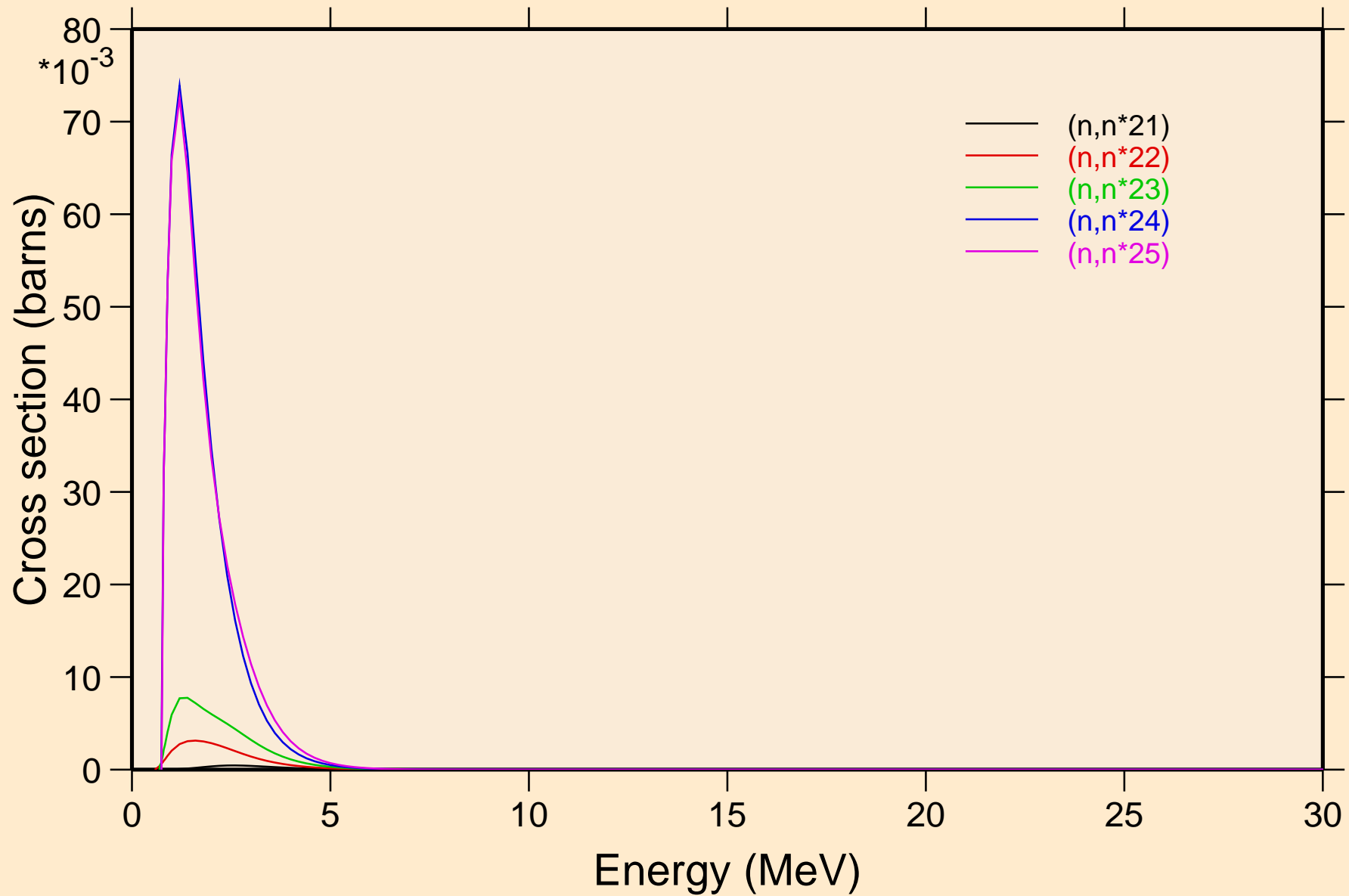
# HG199M NRG TENDL-2015, AKONING

## Inelastic levels



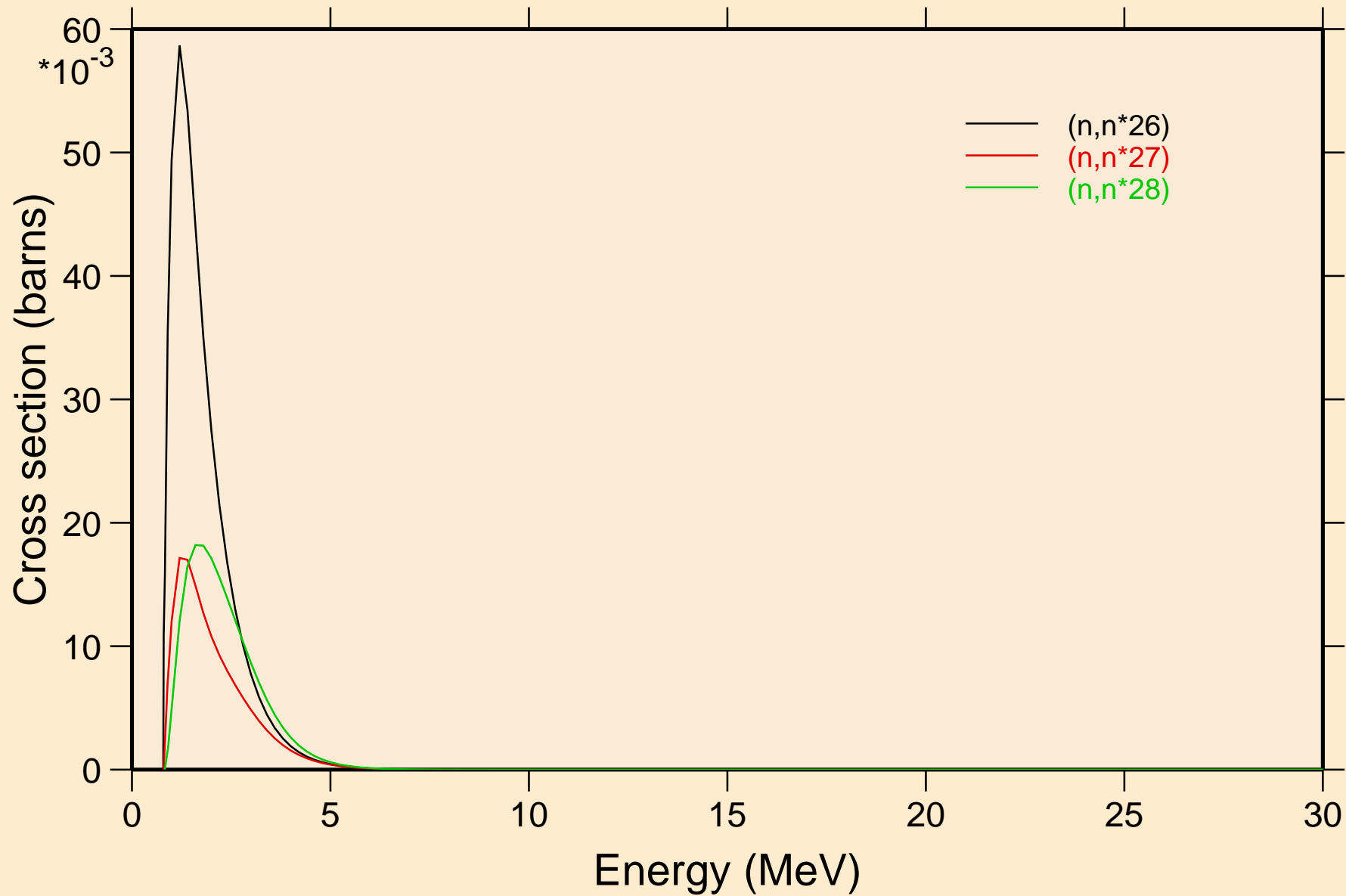
# HG199M NRG TENDL-2015, AKONING

## Inelastic levels



# HG199M NRG TENDL-2015, AKONING

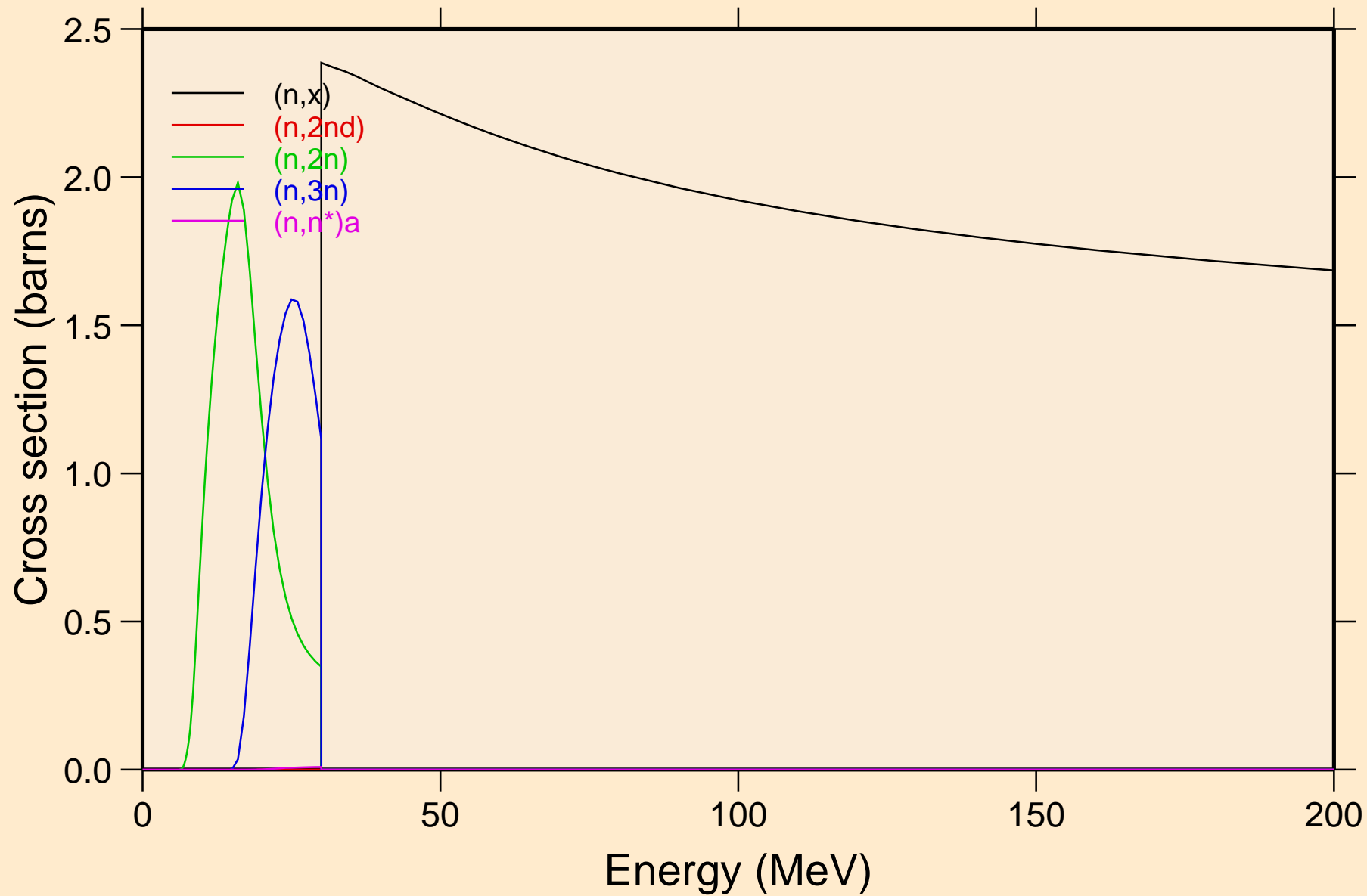
## Inelastic levels





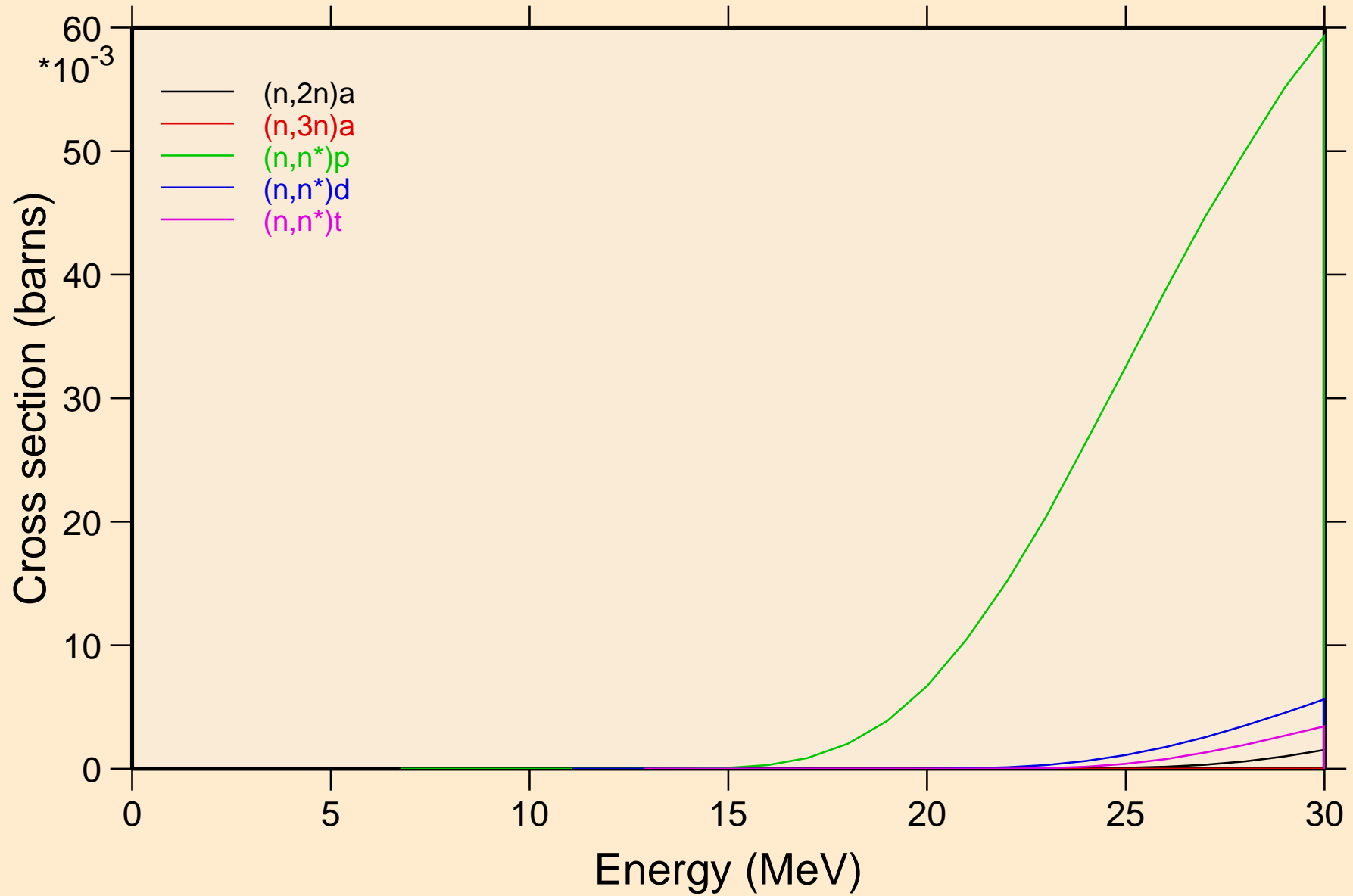
# HG199M NRG TENDL-2015, AKONING

## Threshold reactions



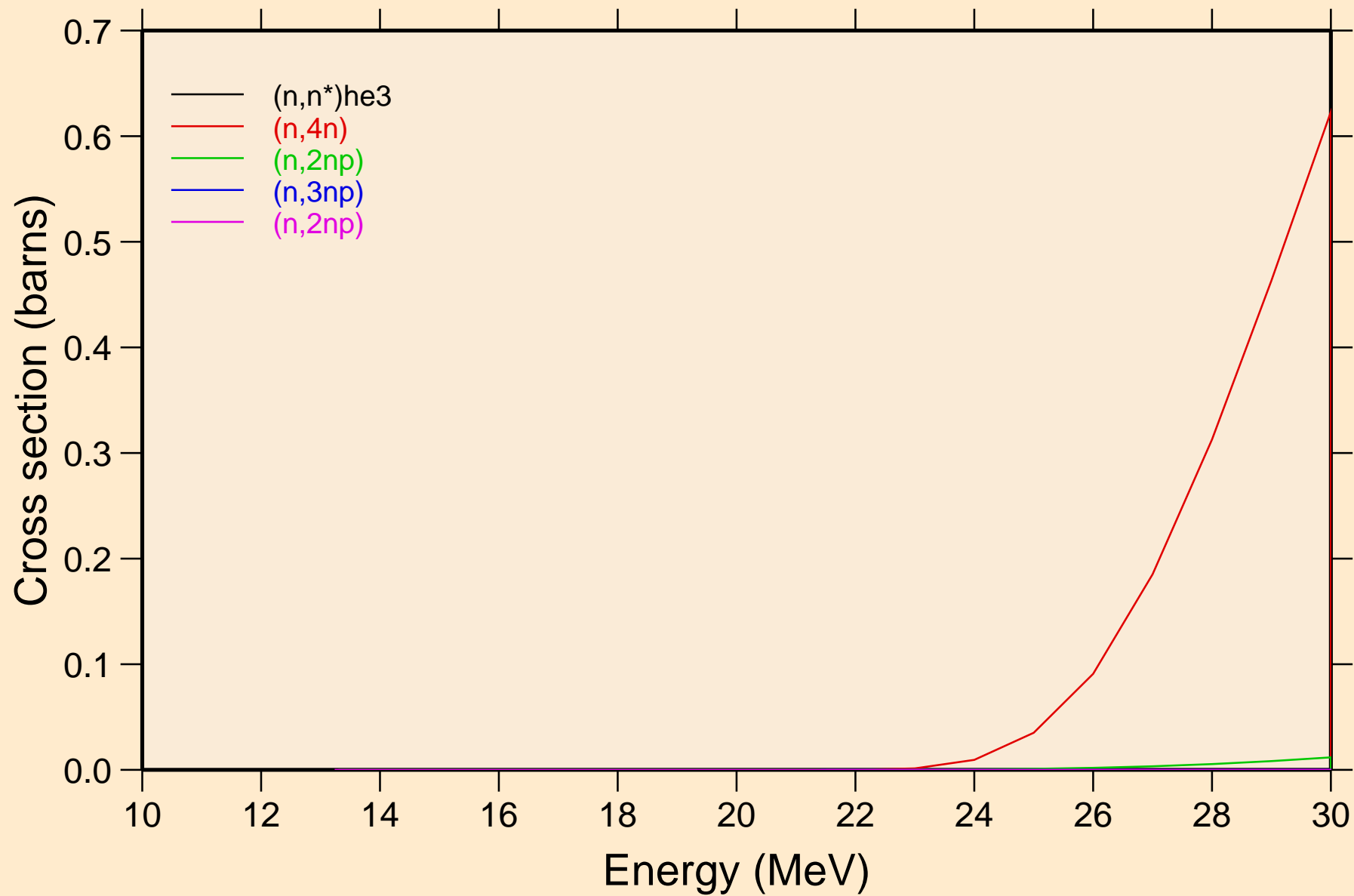
# HG199M NRG TENDL-2015, AKONING

## Threshold reactions



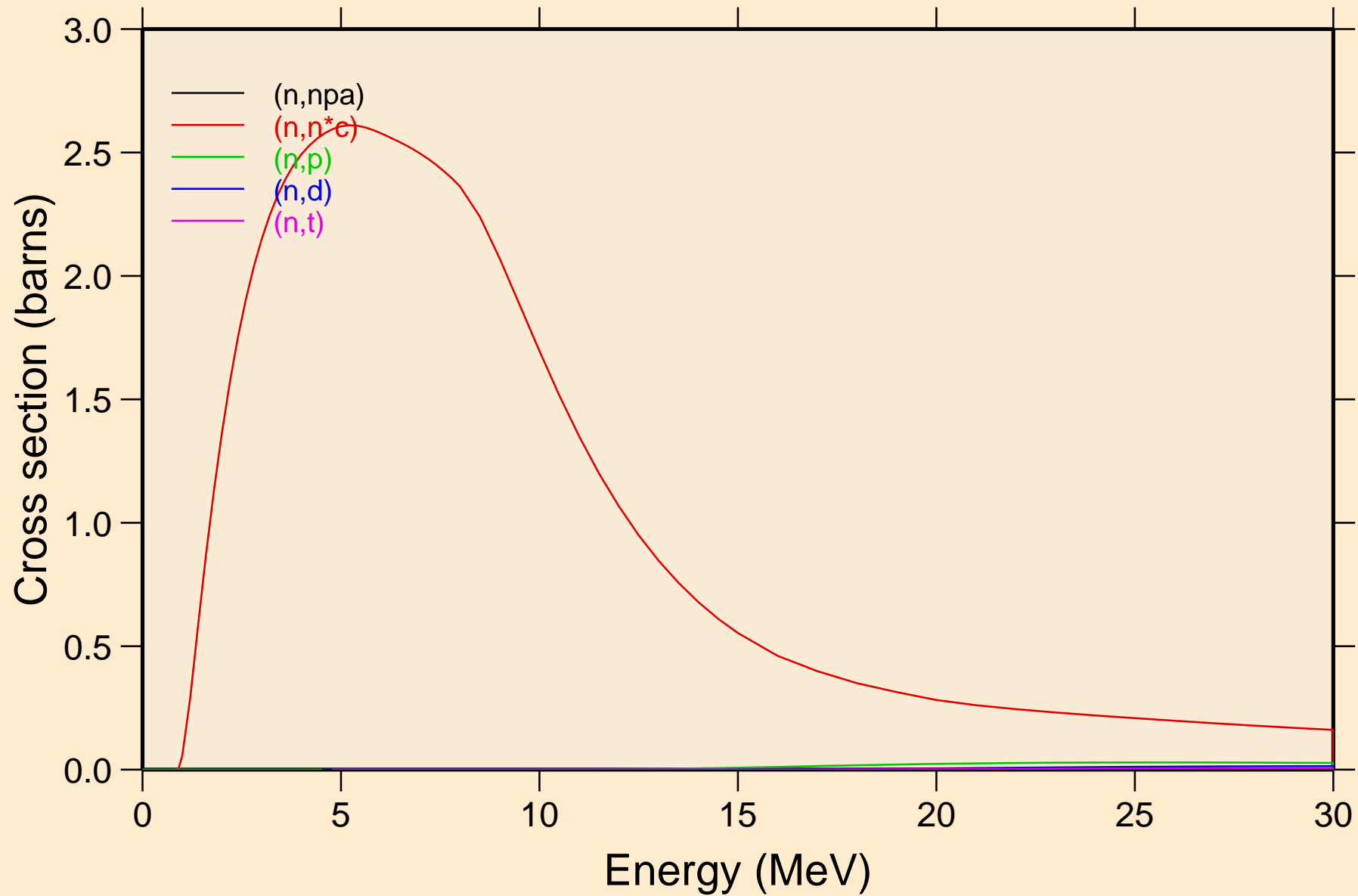
# HG199M NRG TENDL-2015, AKONING

## Threshold reactions



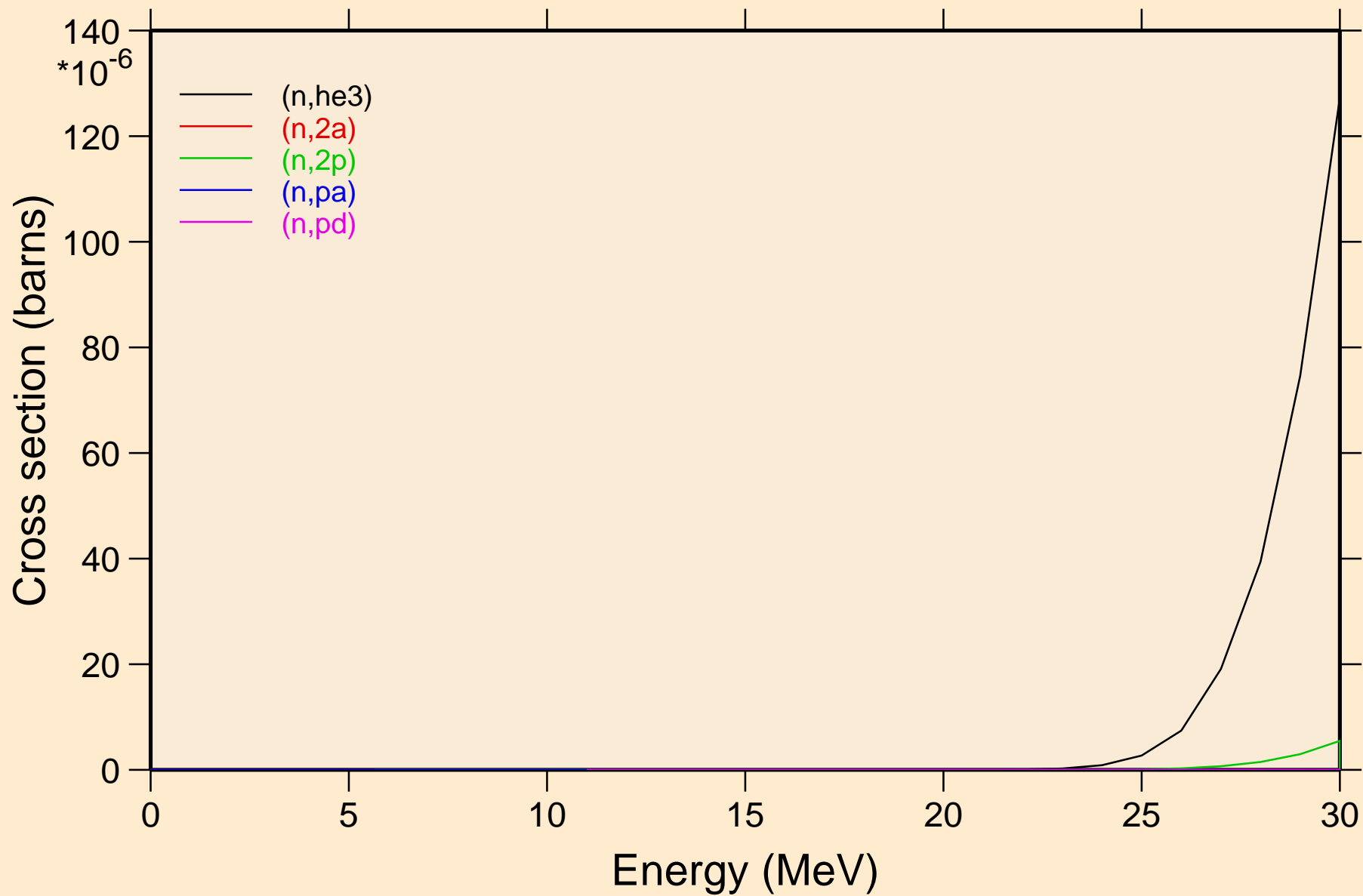
# HG199M NRG TENDL-2015, AKONING

## Threshold reactions



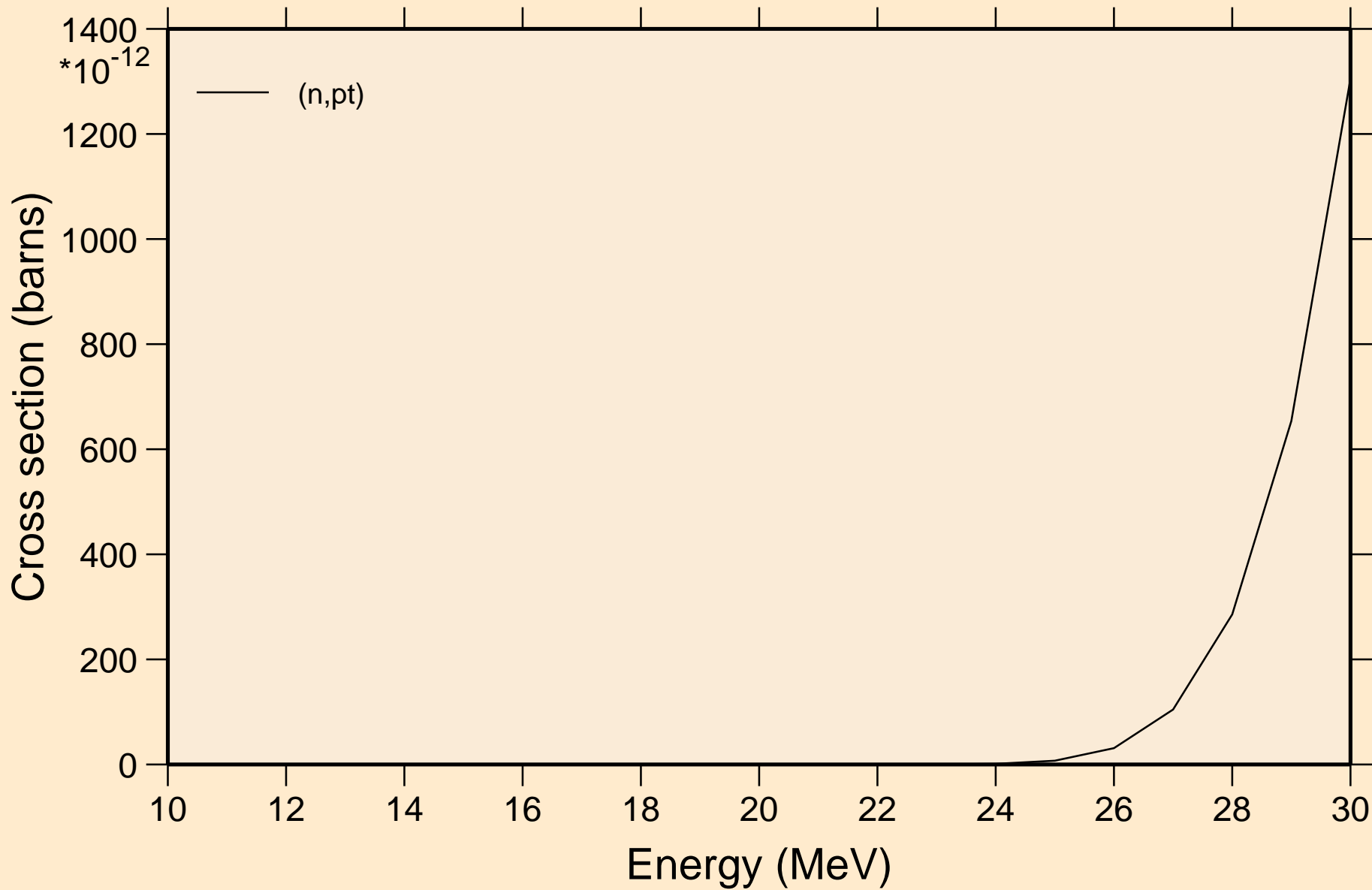
# HG199M NRG TENDL-2015, AKONING

## Threshold reactions

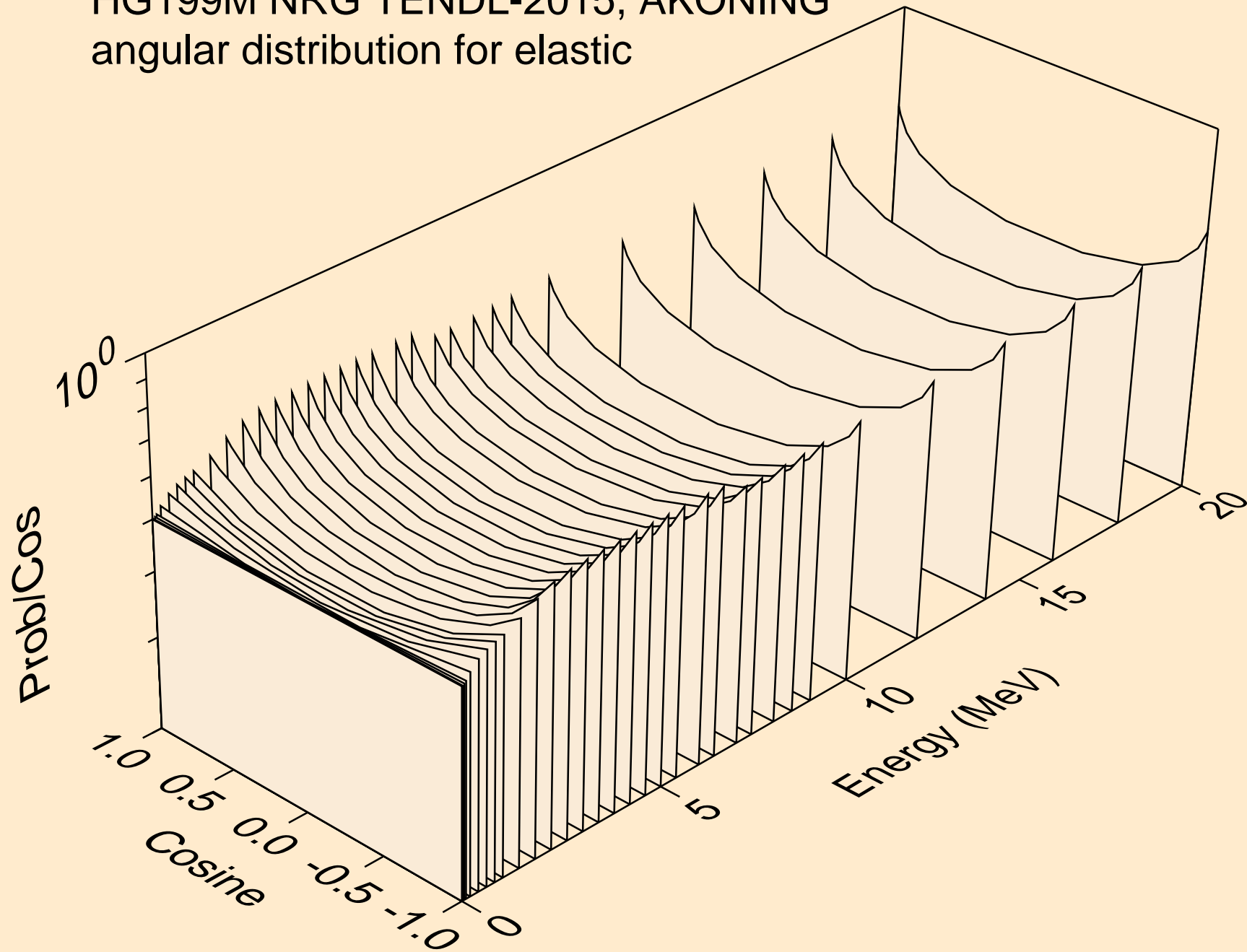


# HG199M NRG TENDL-2015, AKONING

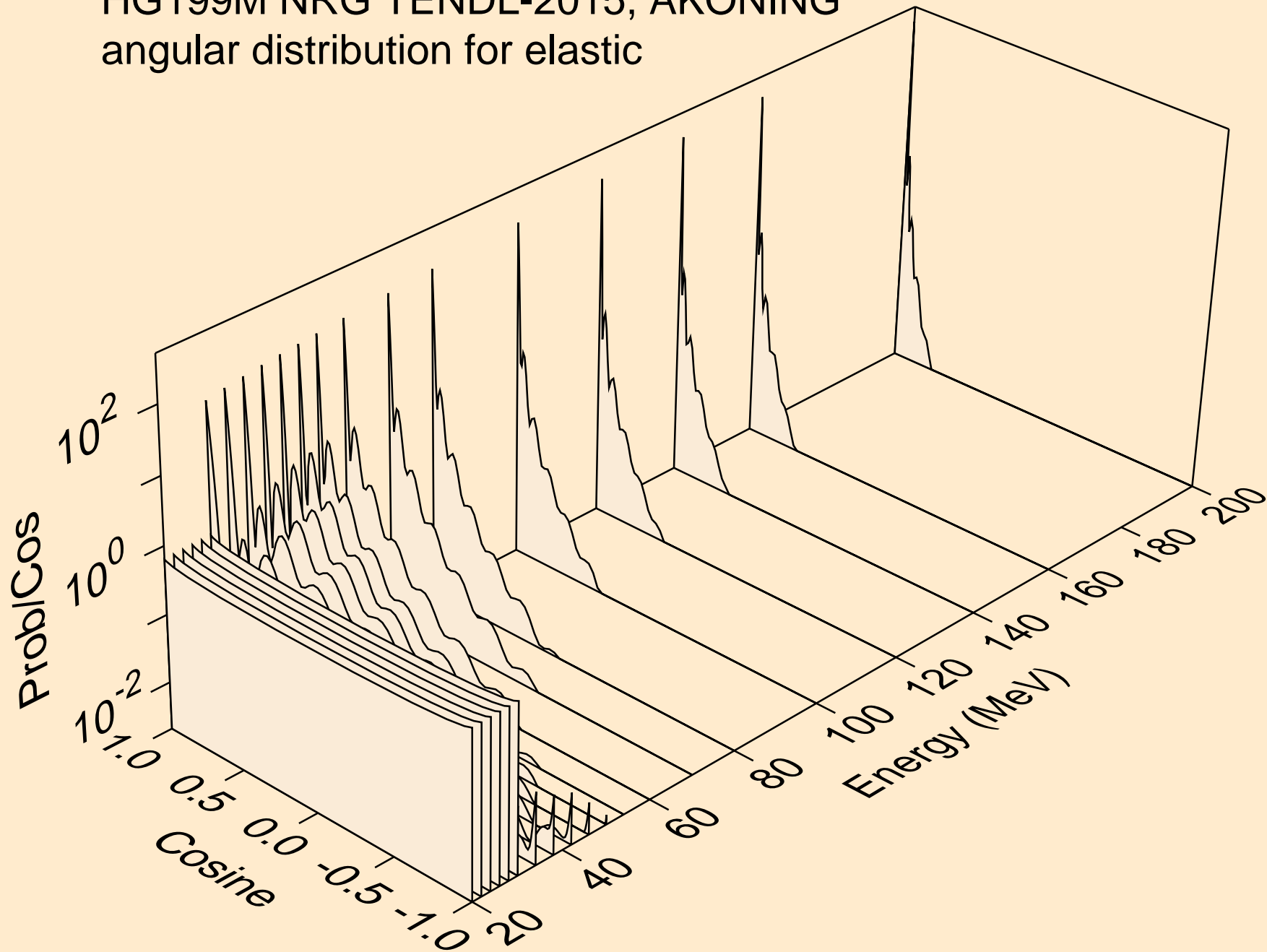
## Threshold reactions



HG199M NRG TENDL-2015, AKONING  
angular distribution for elastic

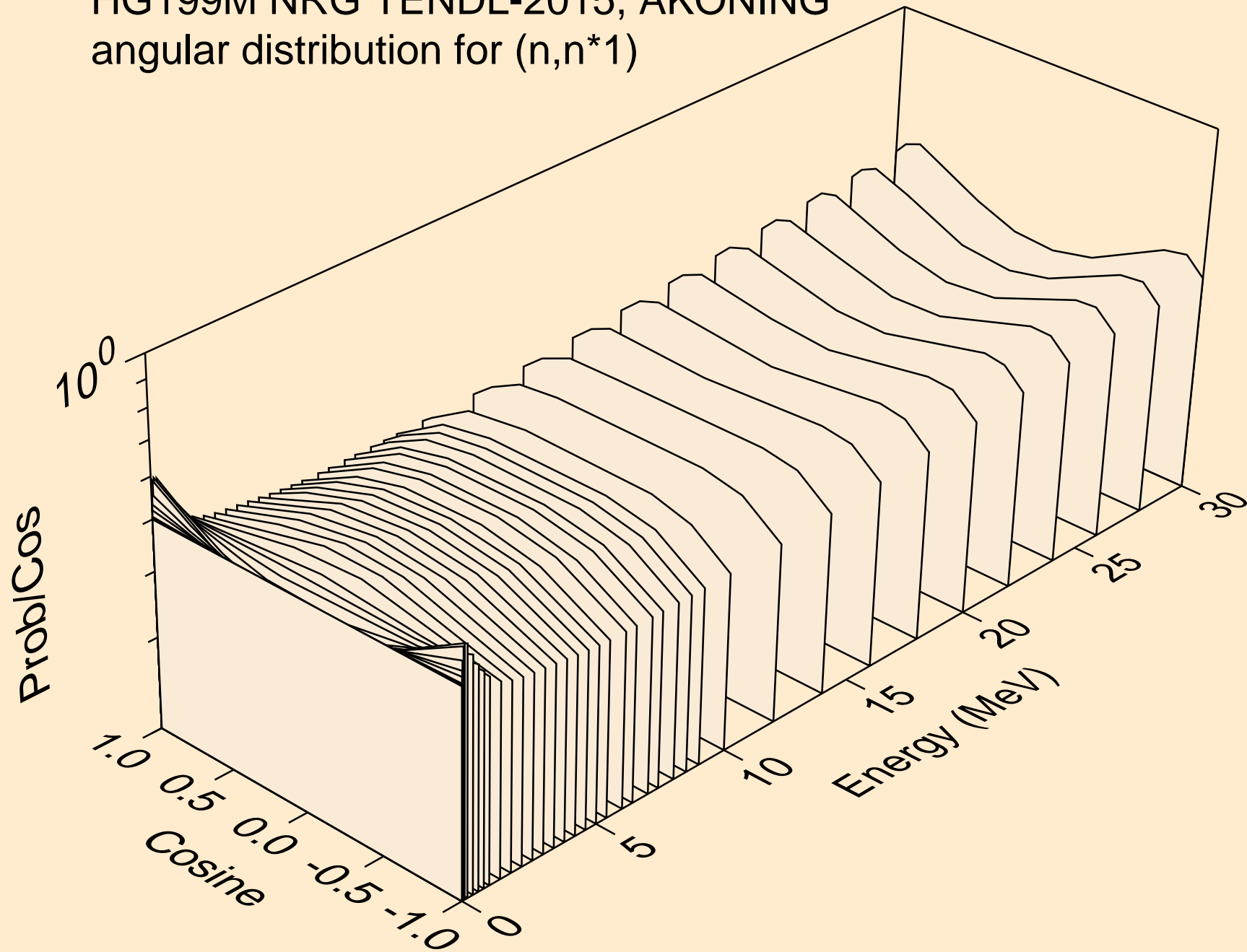


HG199M NRG TENDL-2015, AKONING  
angular distribution for elastic

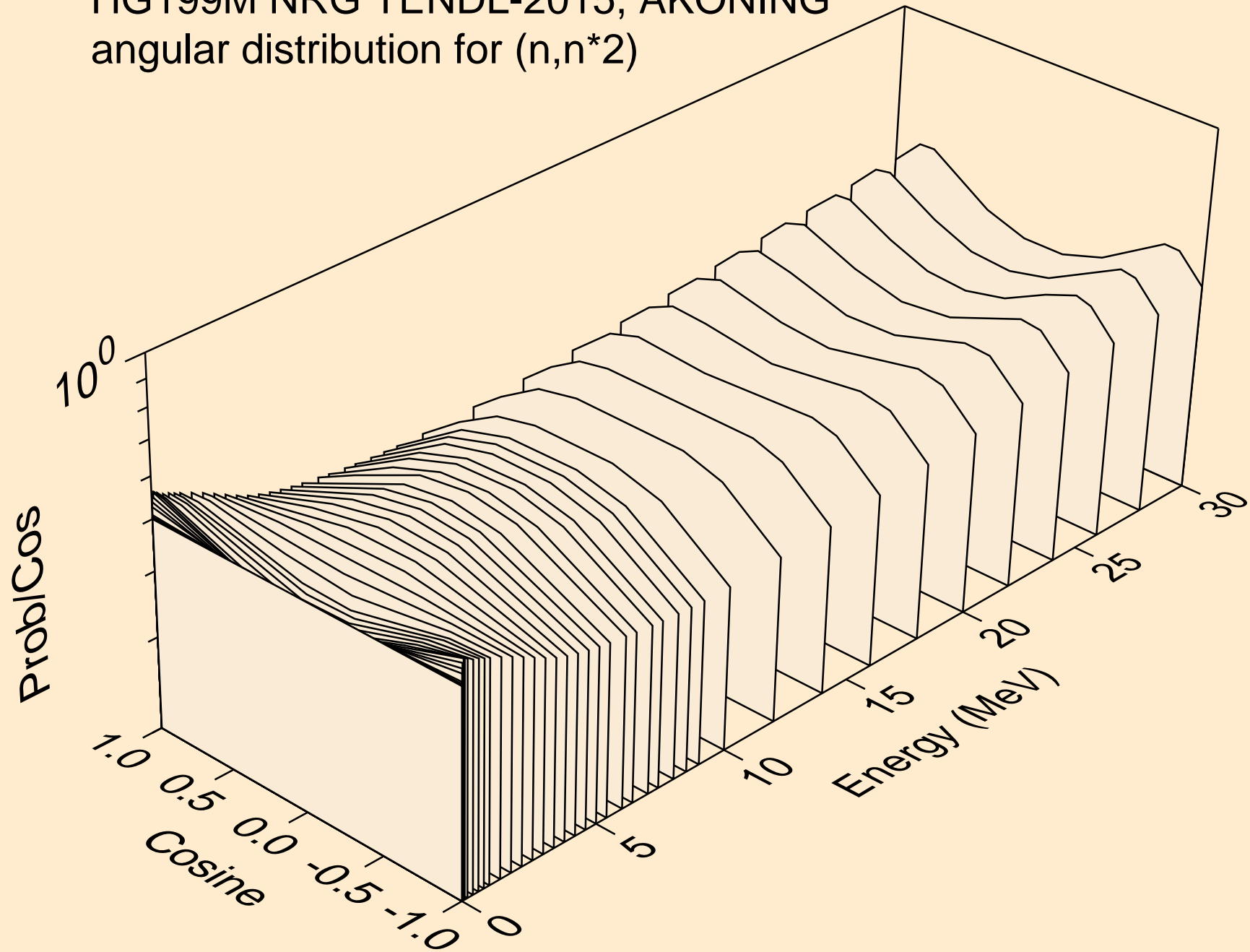




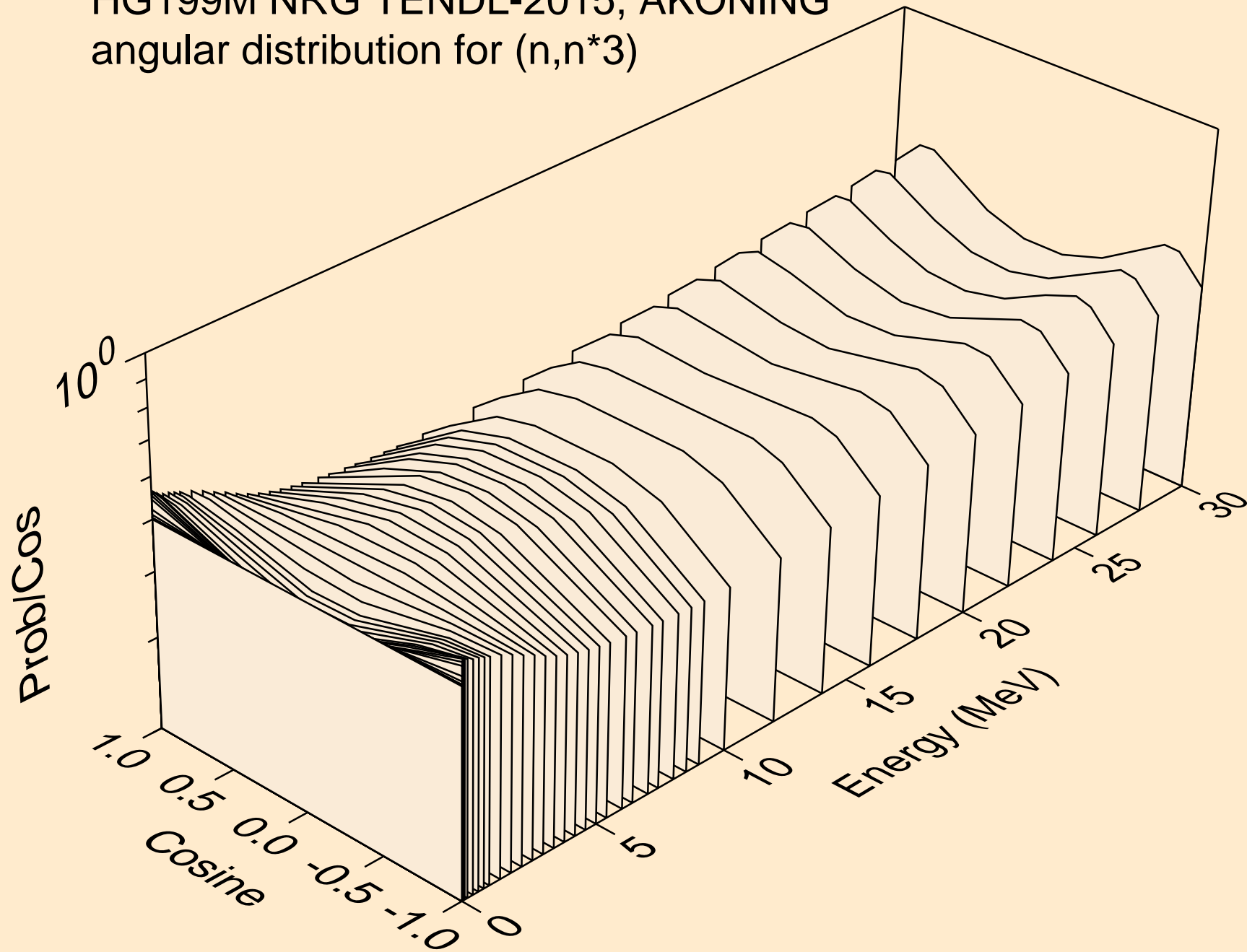
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



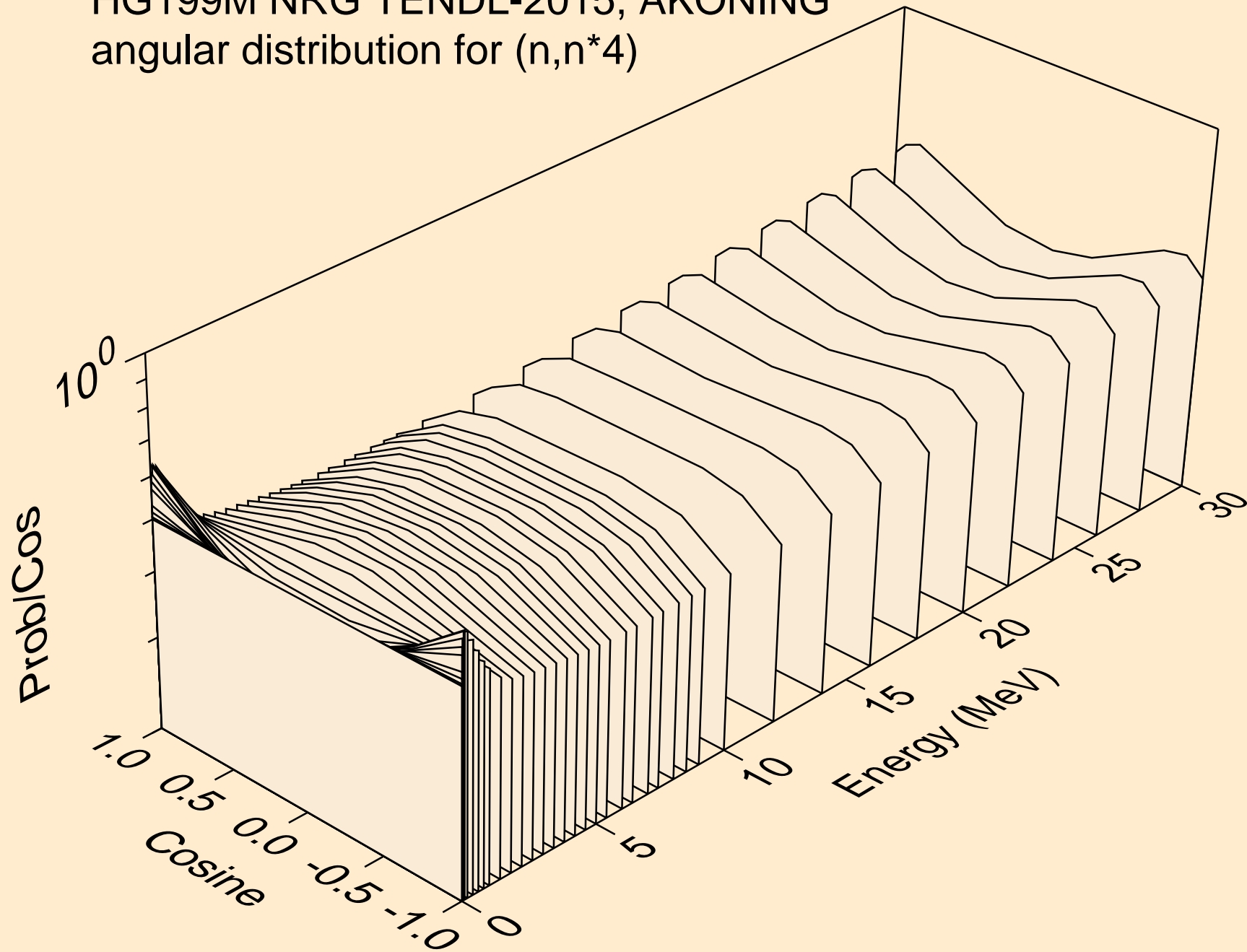
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



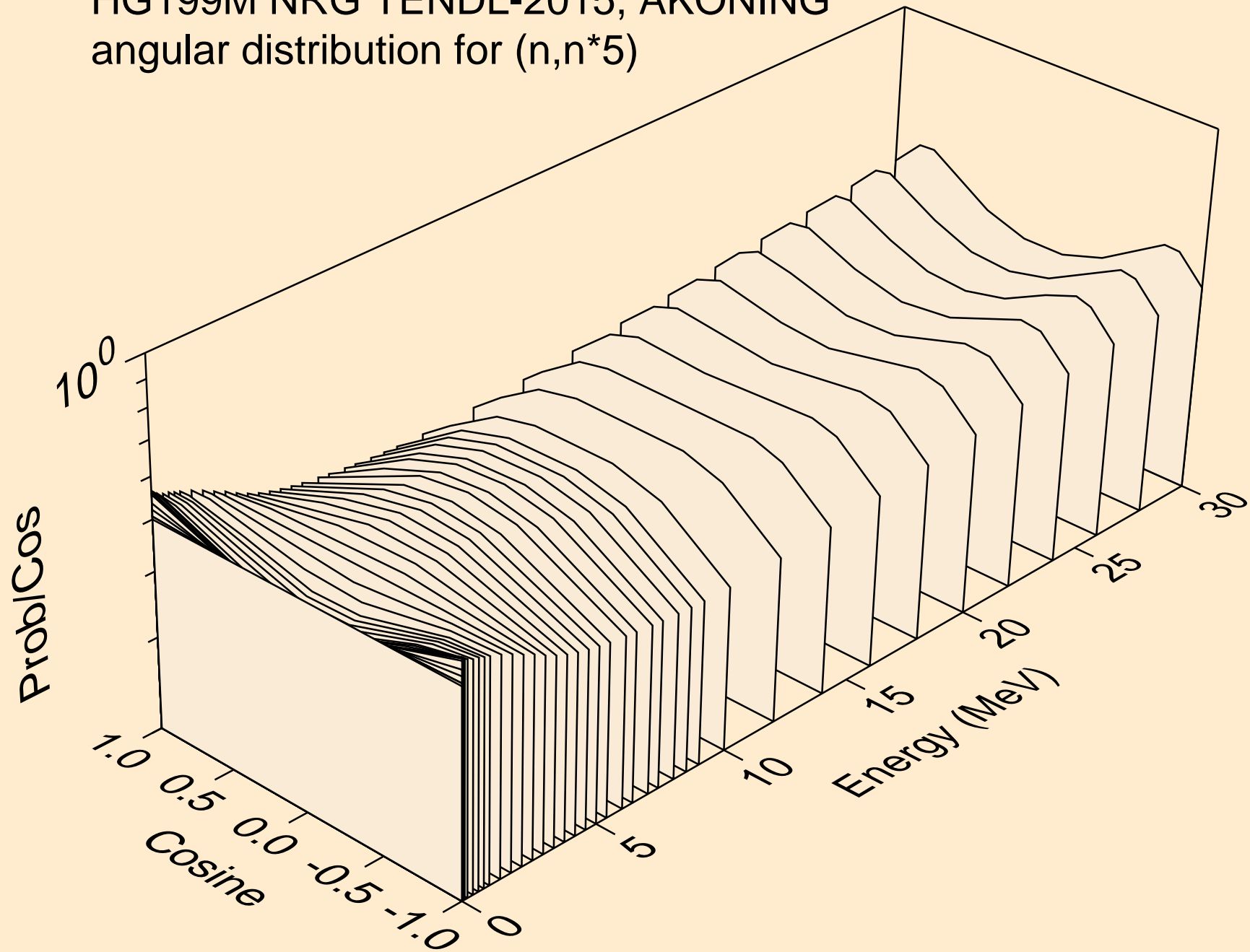
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



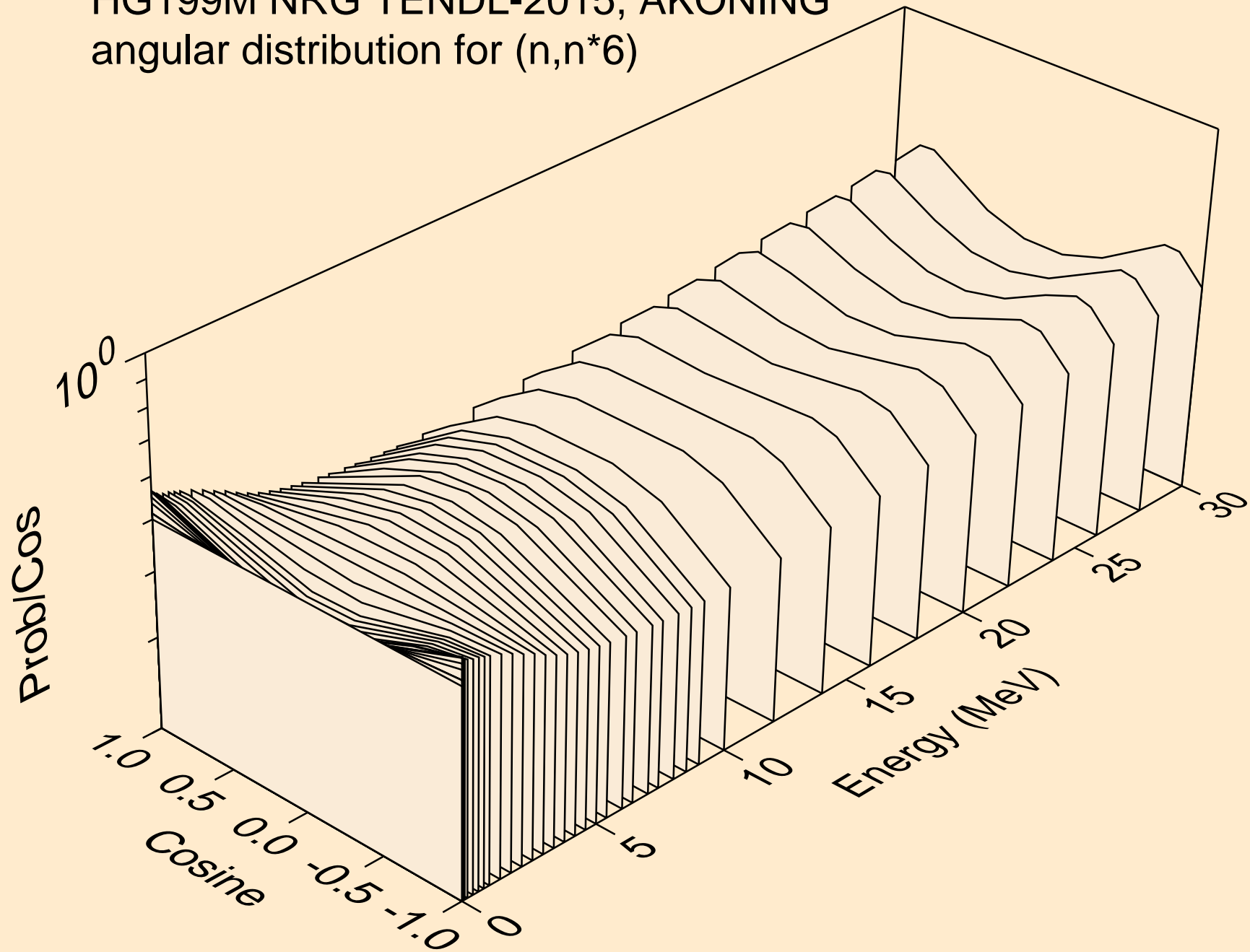
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



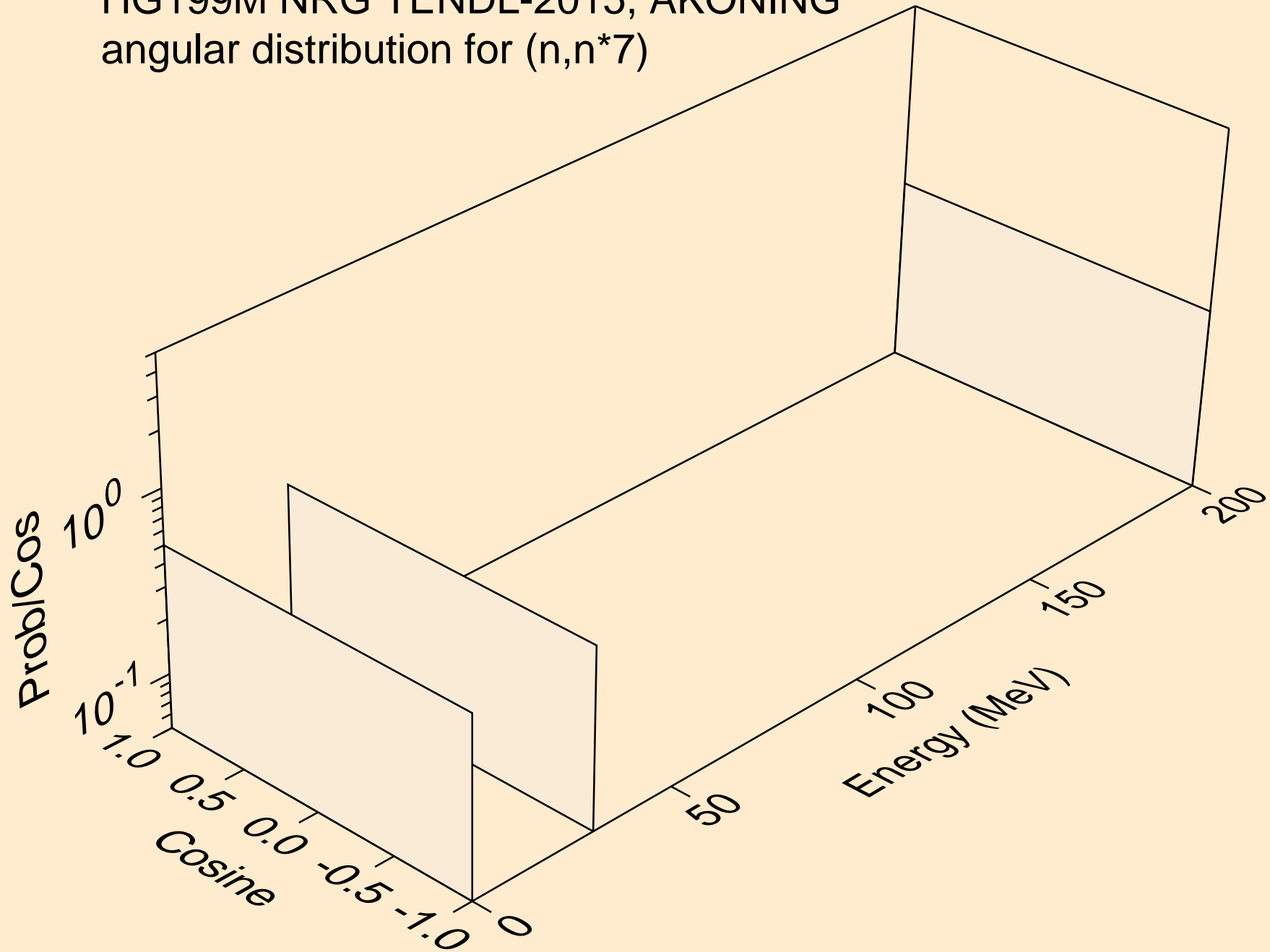
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



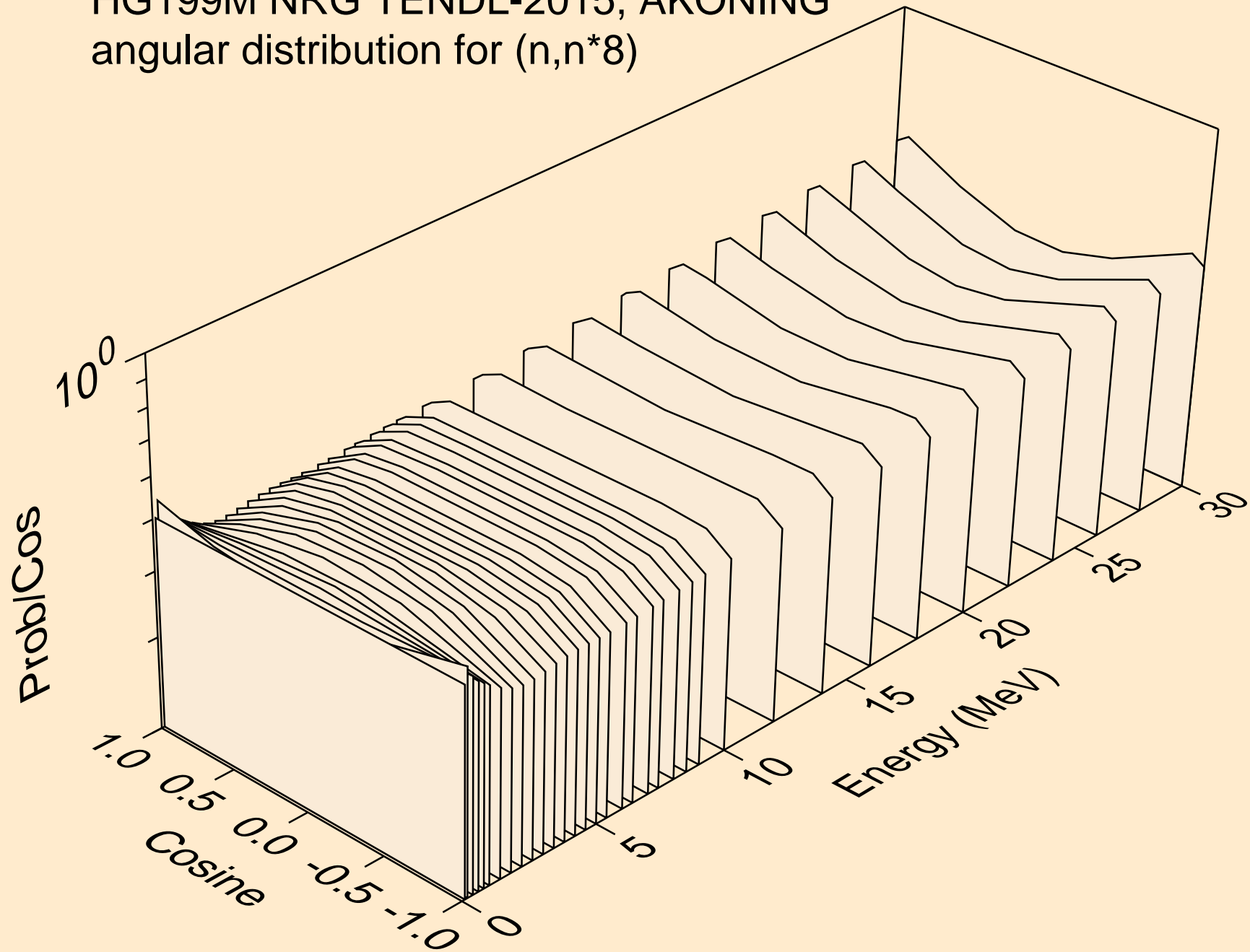
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

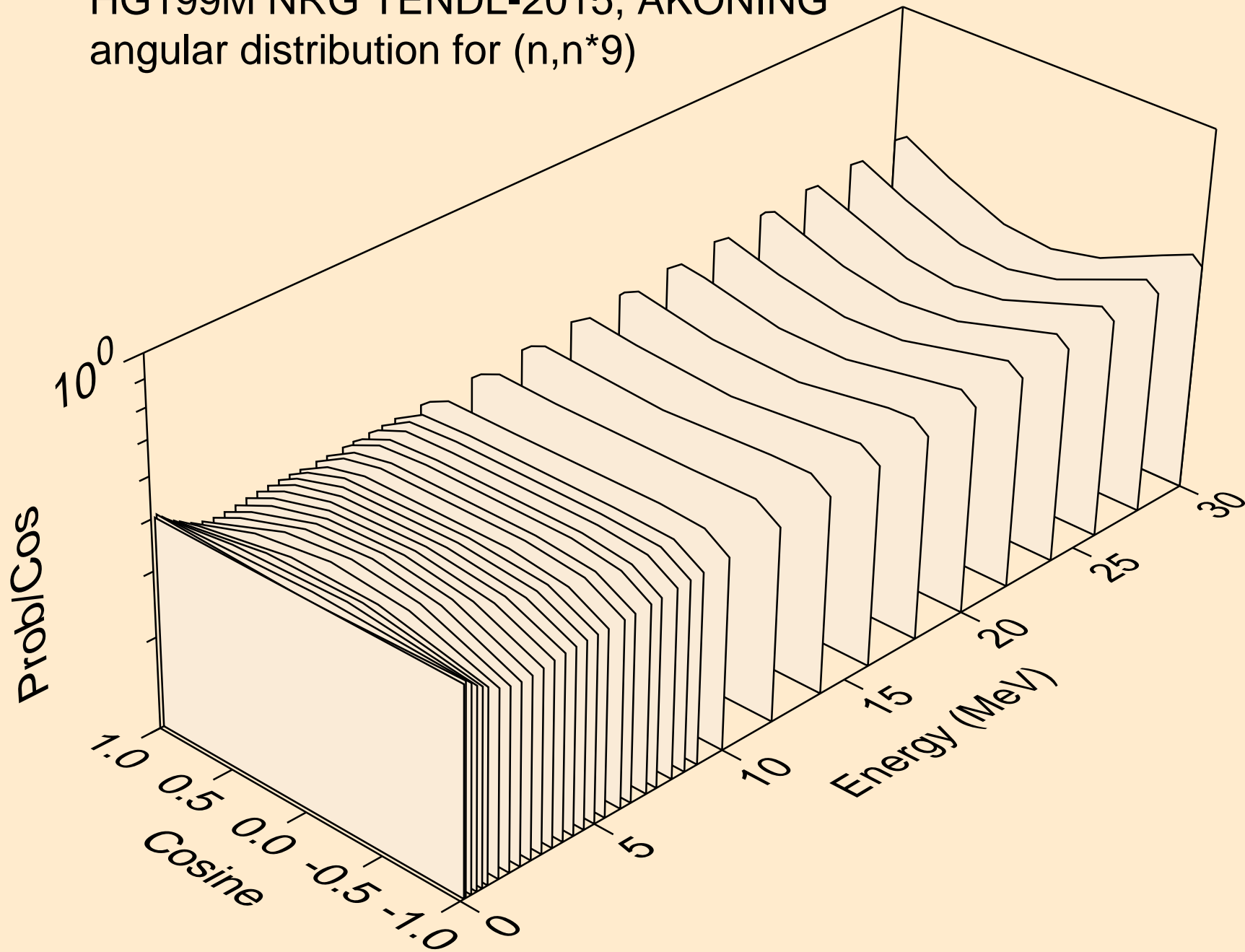


HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

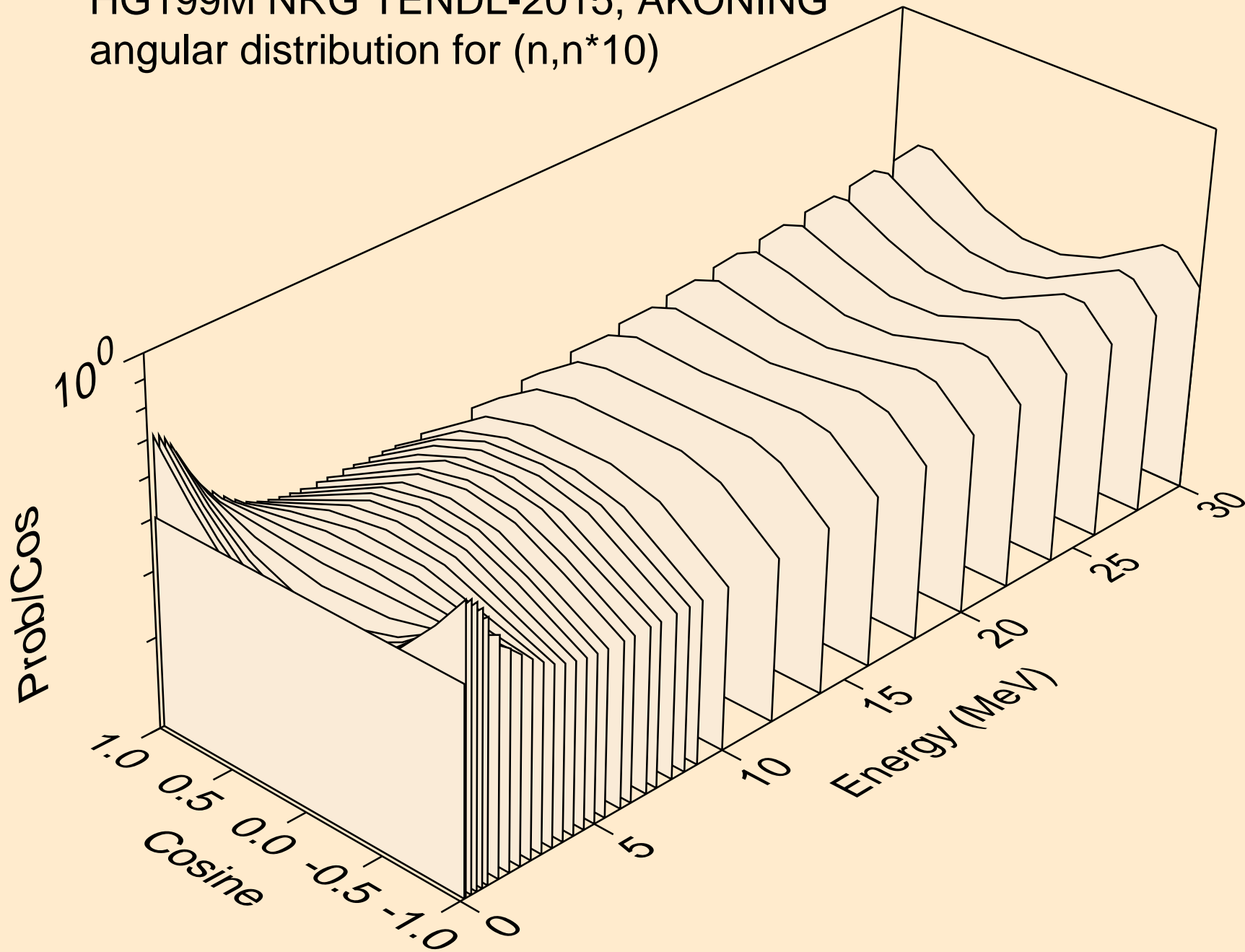




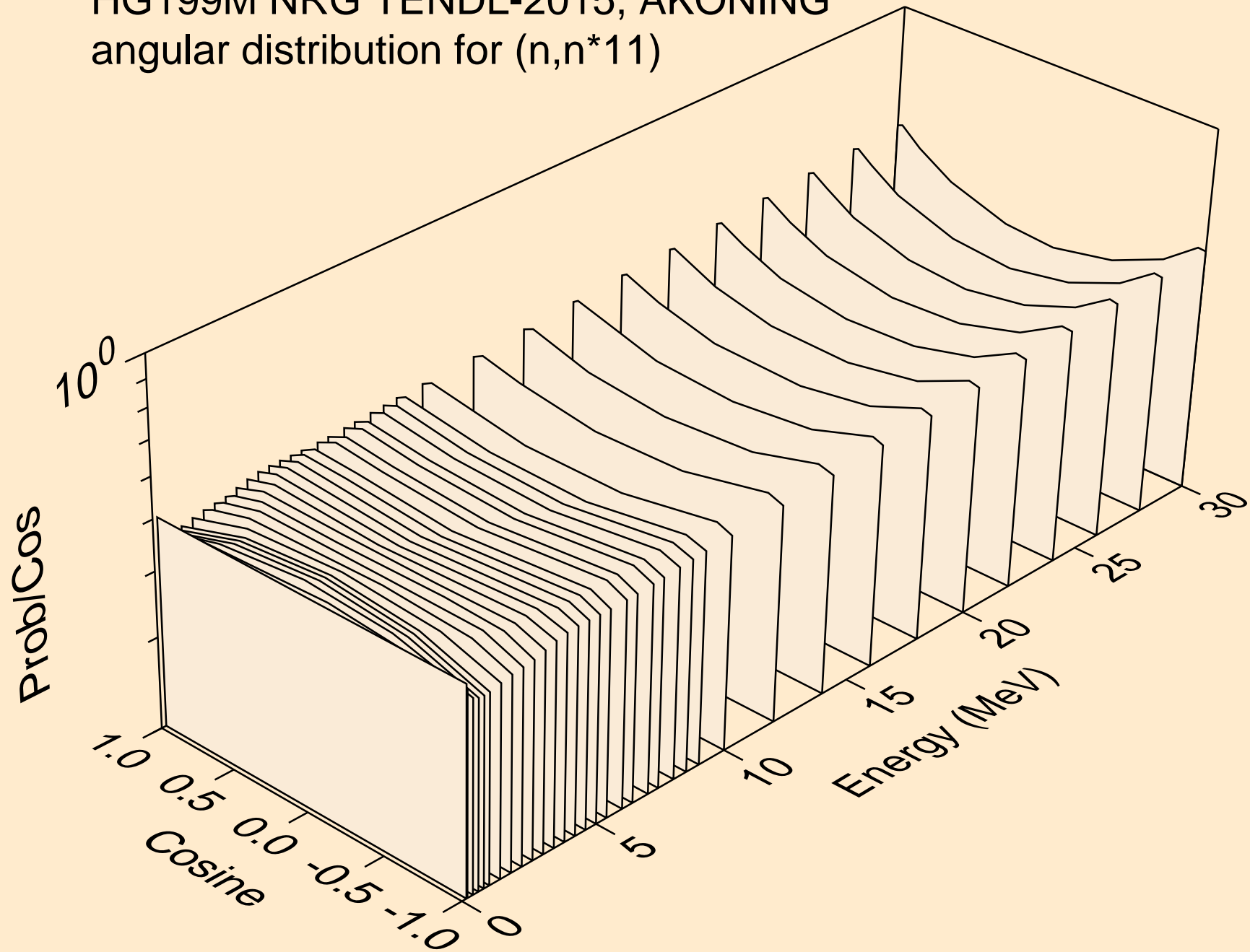
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



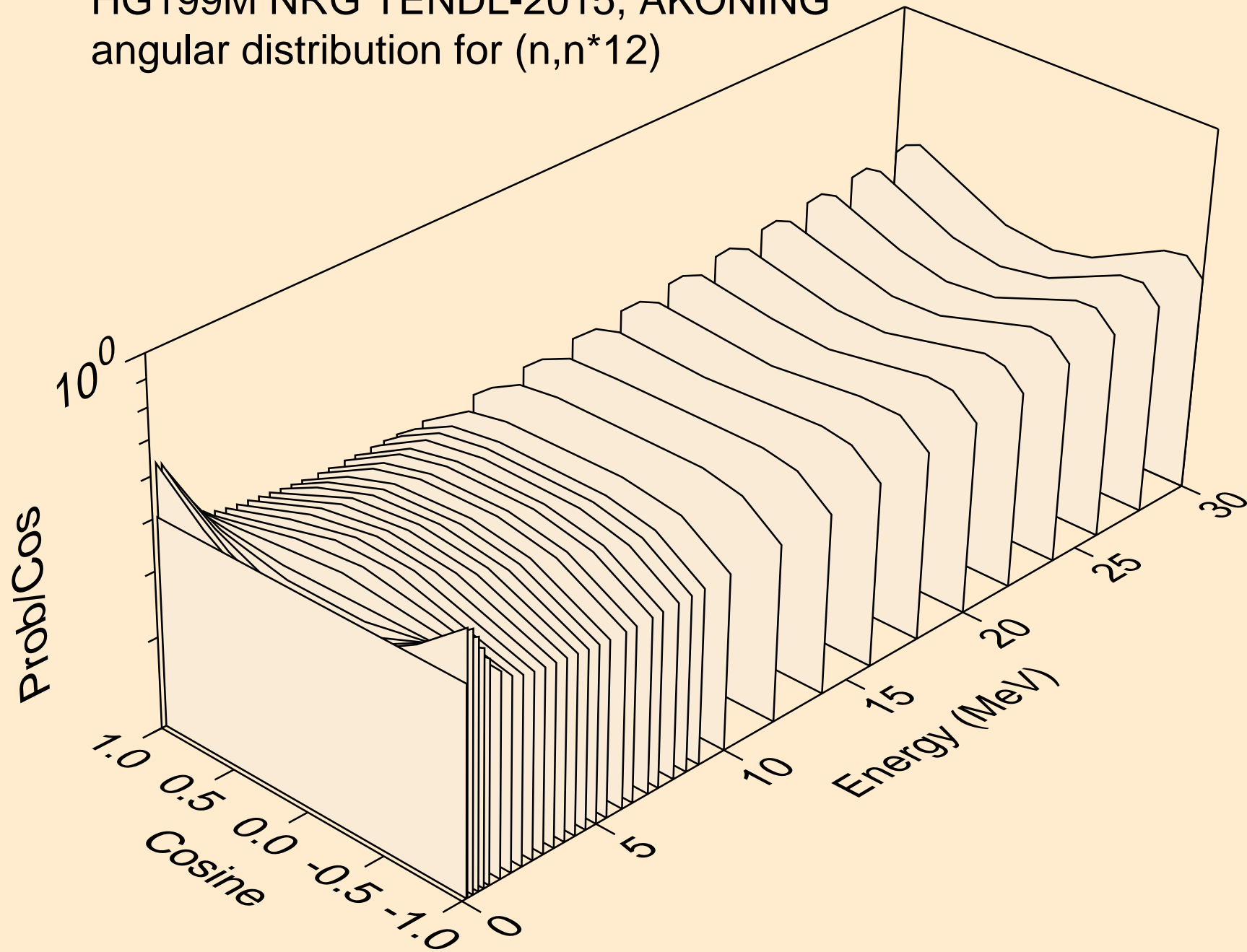
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angular distribution for (n,n\*10)



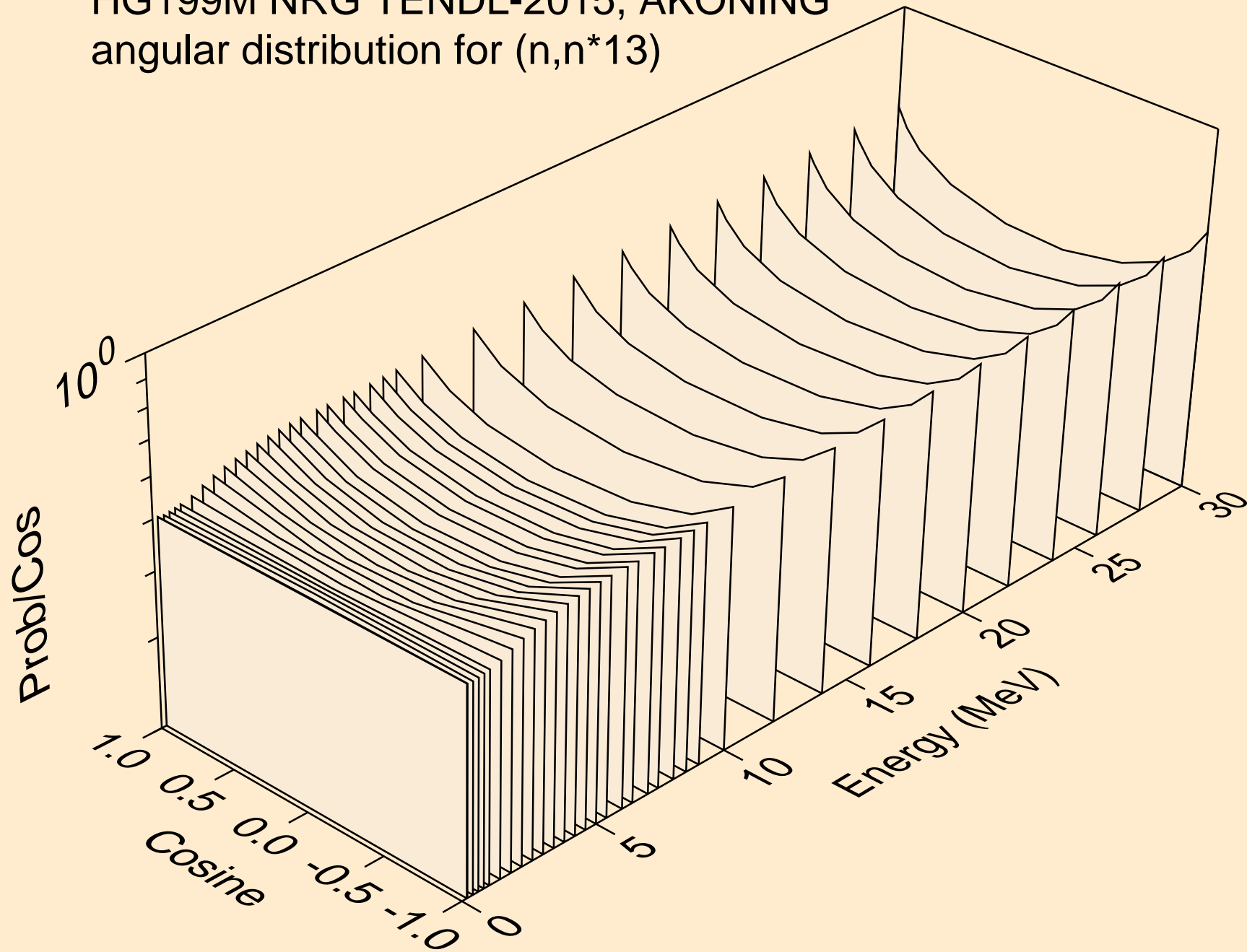
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



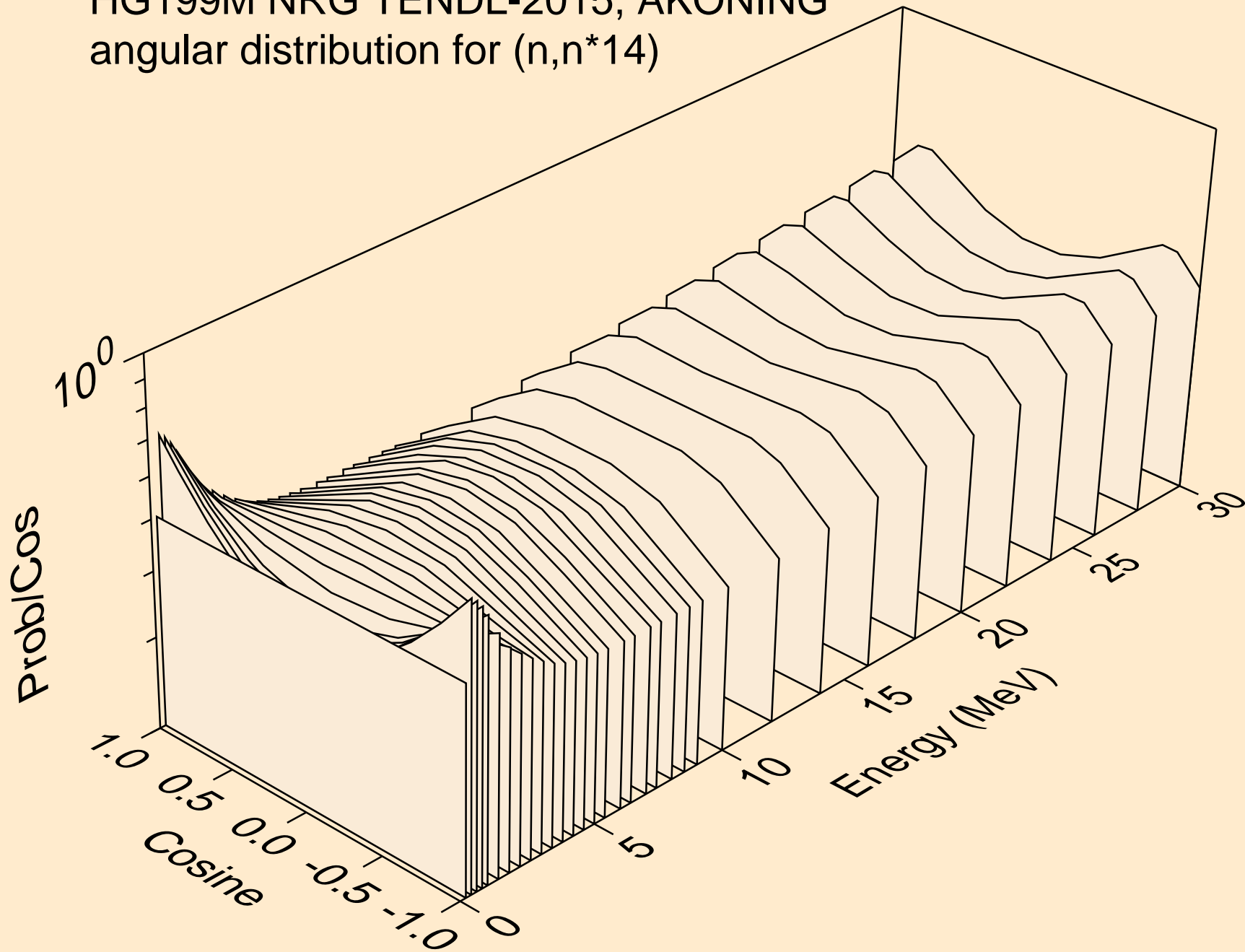
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



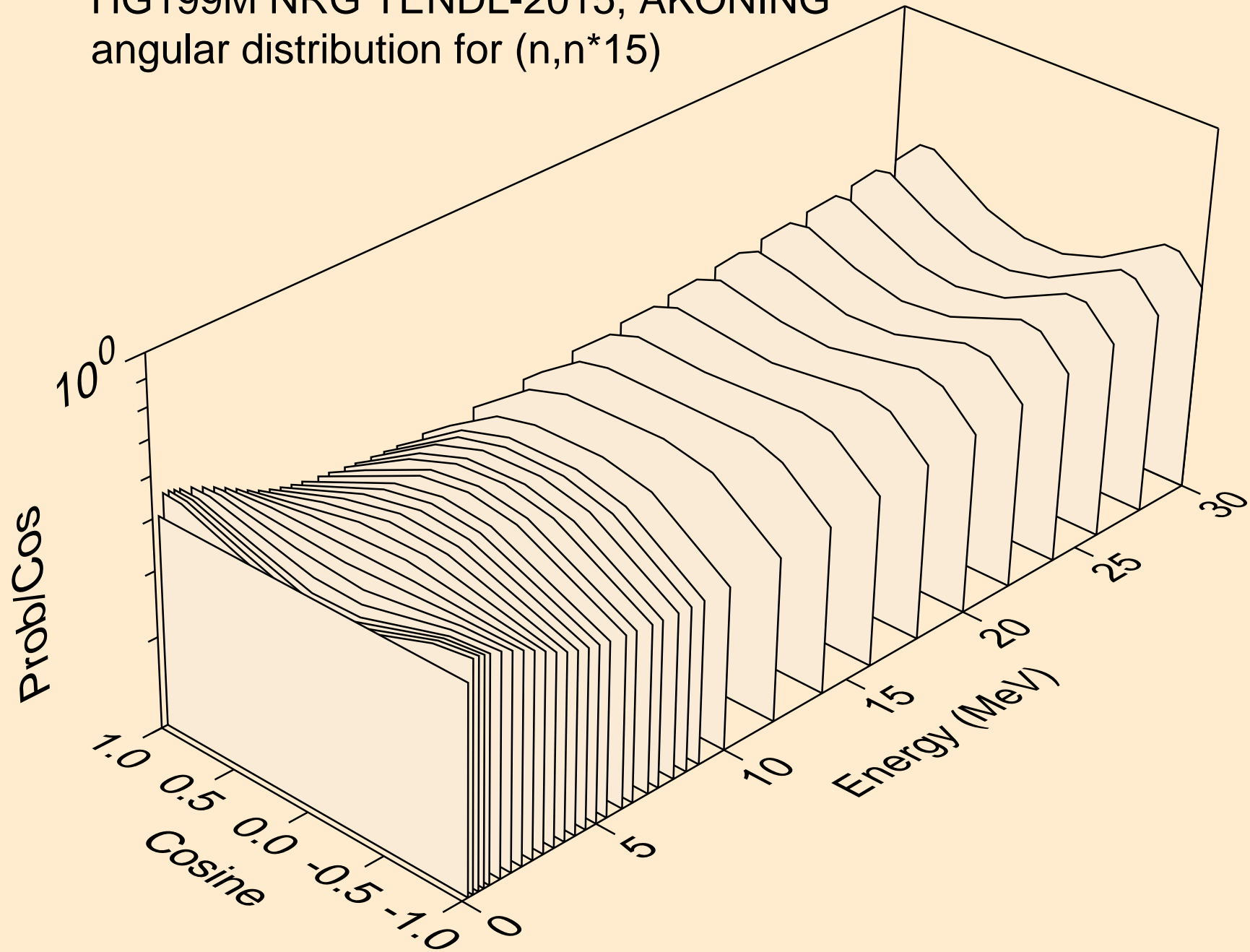
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



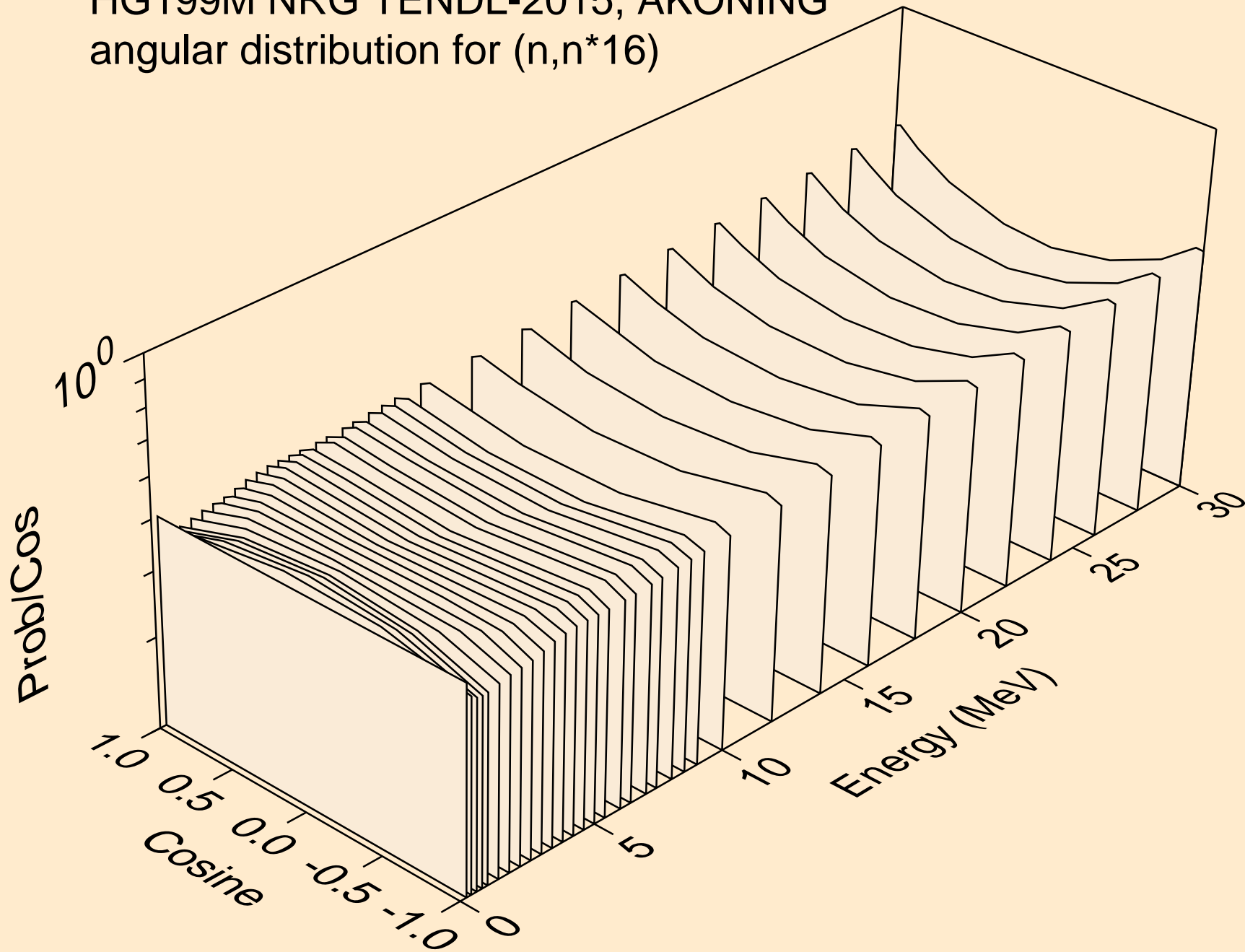
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

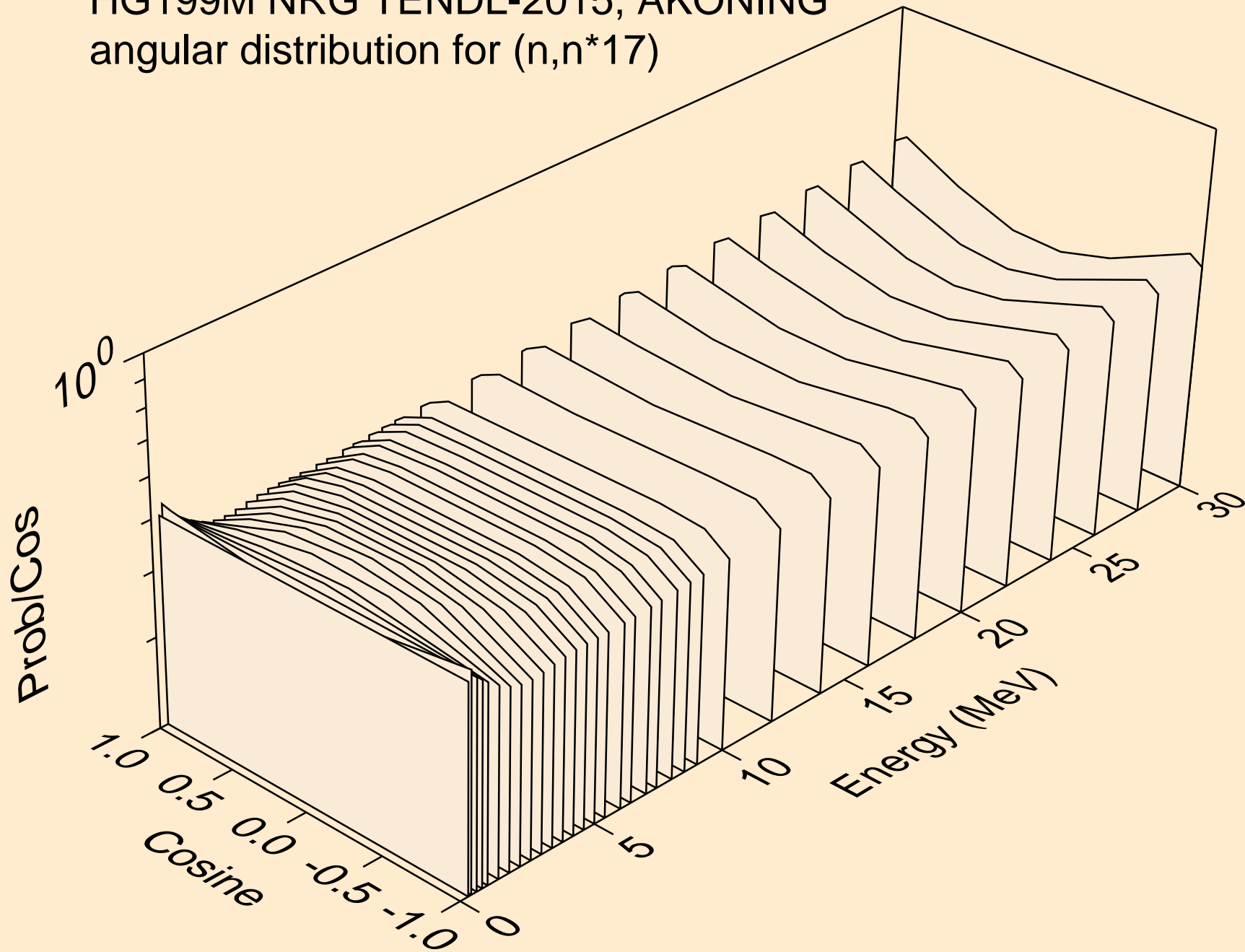


HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

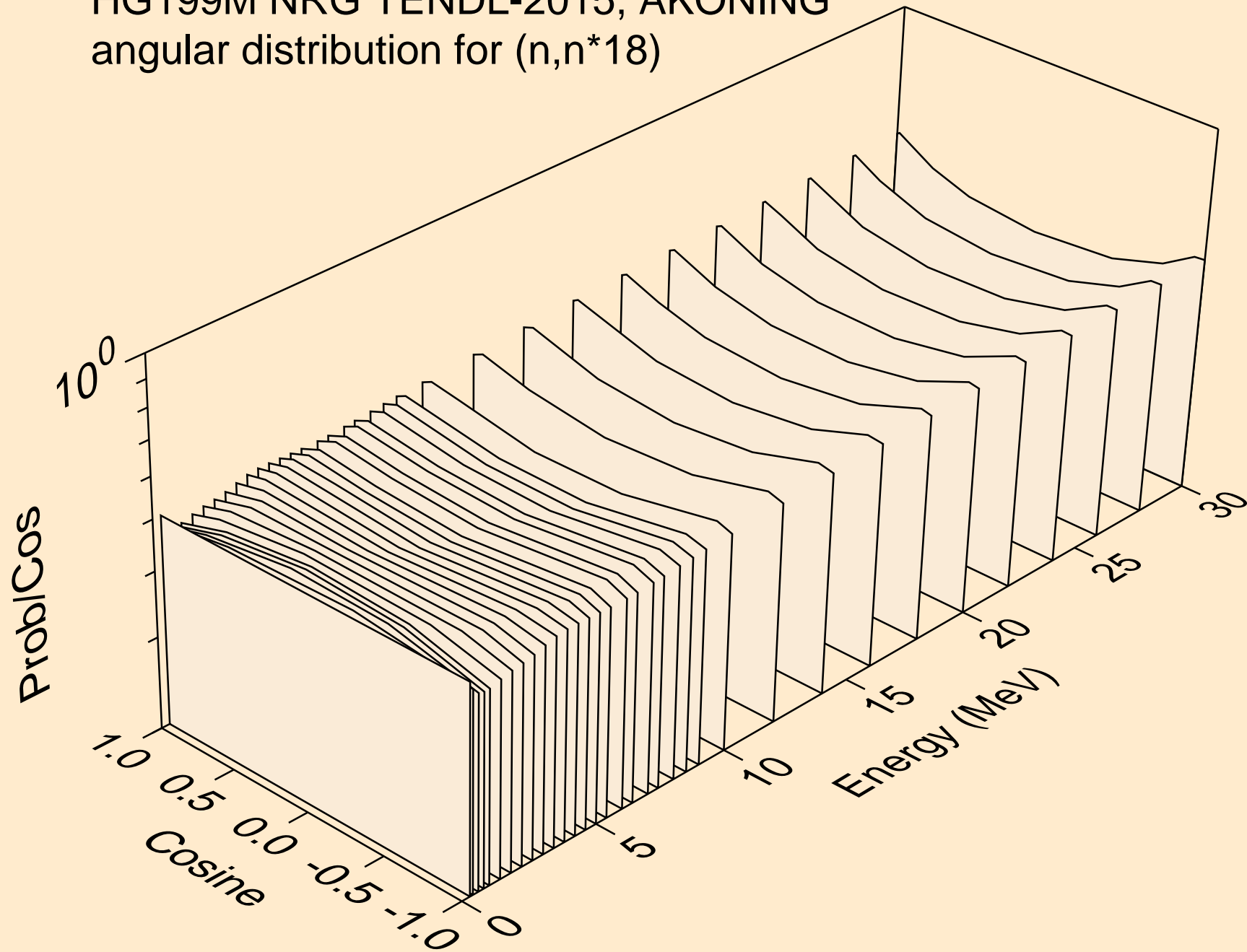




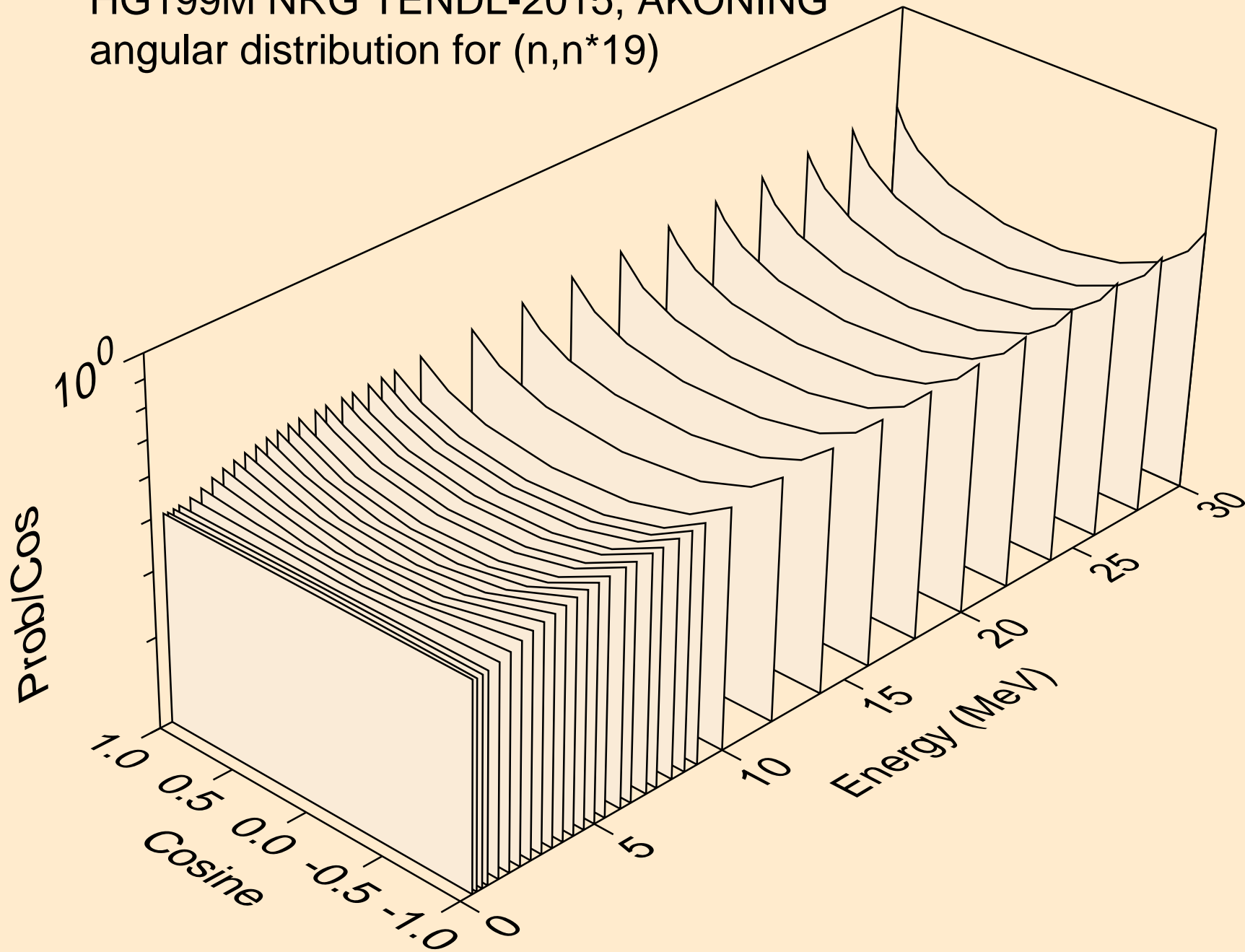
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



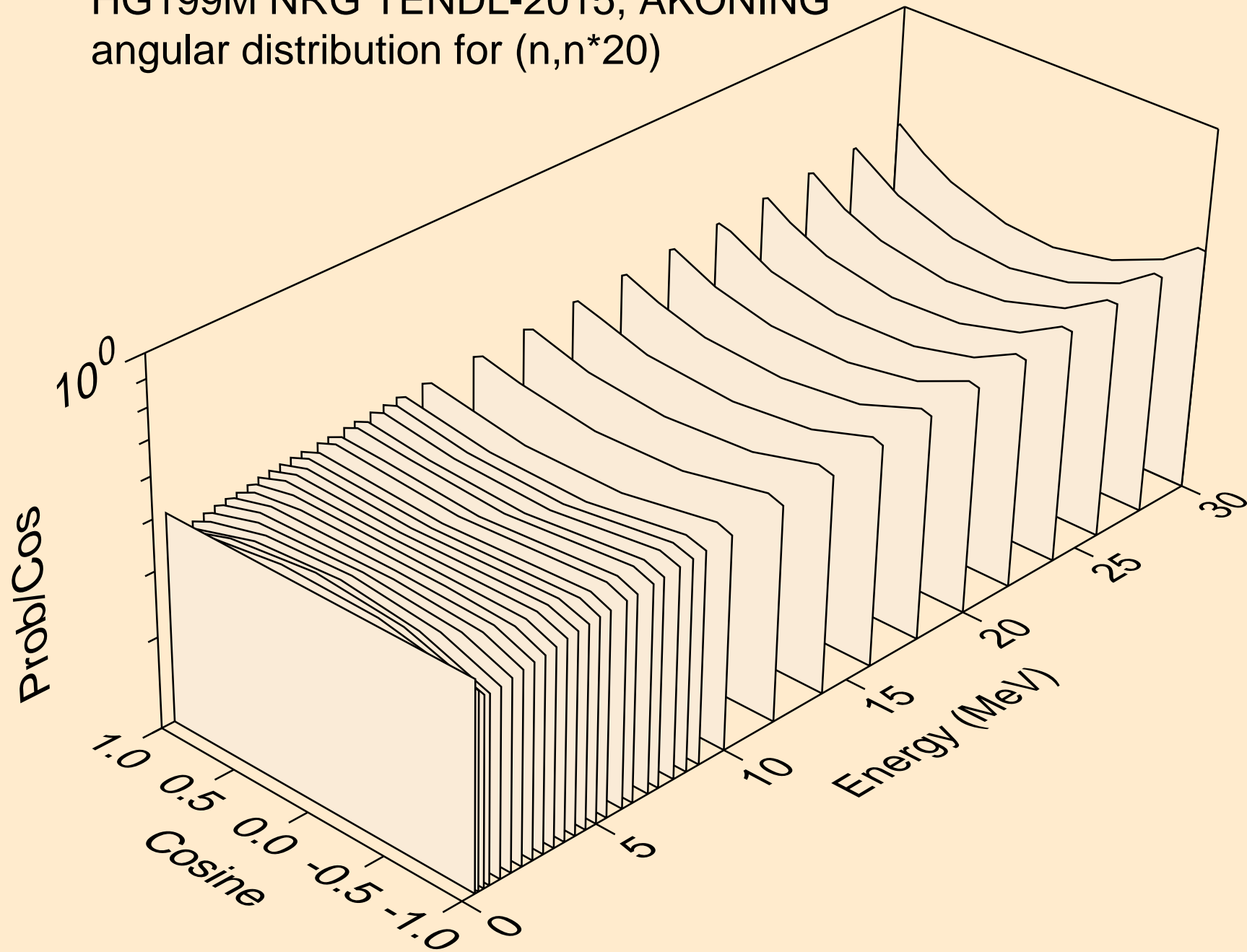
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



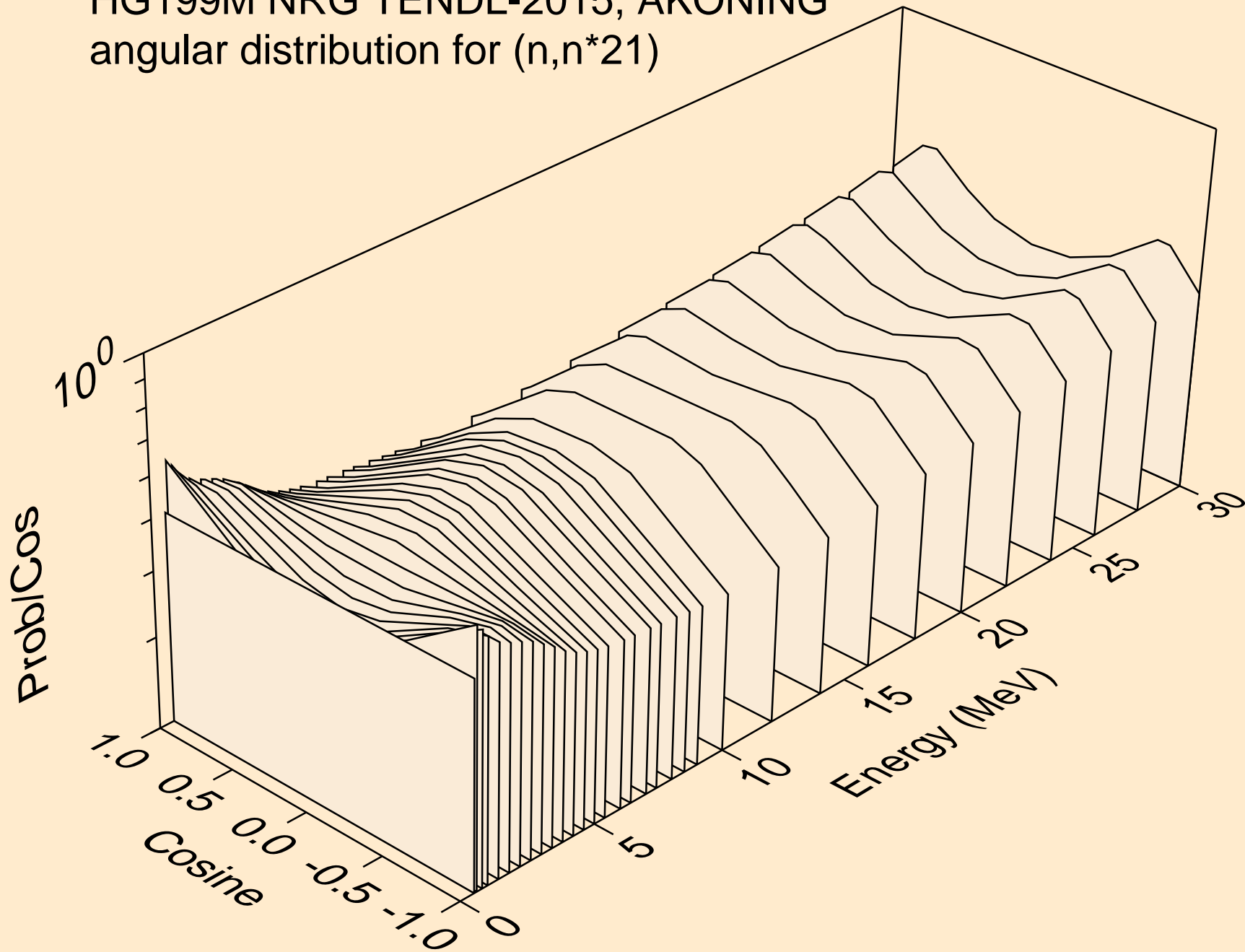
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



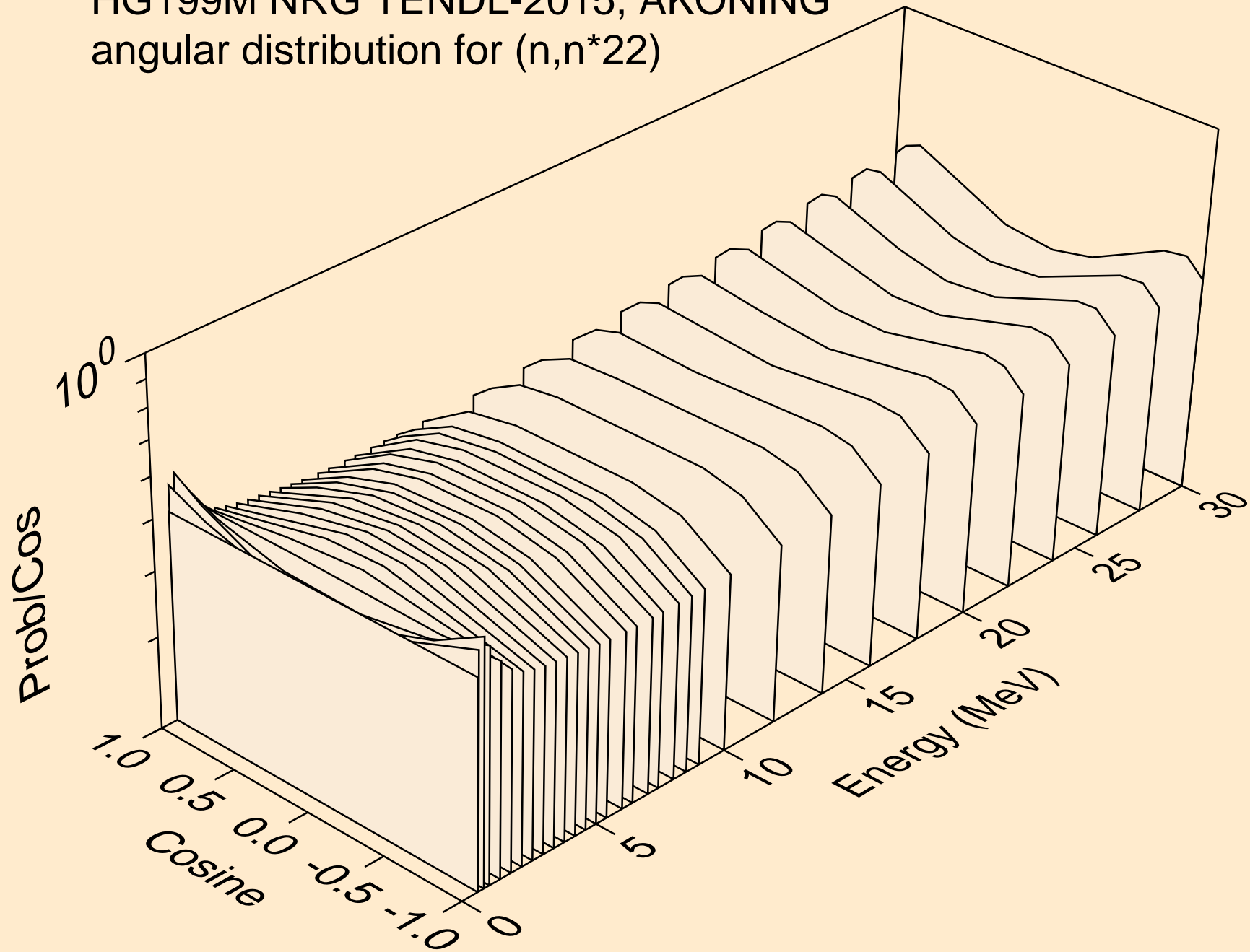
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angular distribution for (n,n\*20)



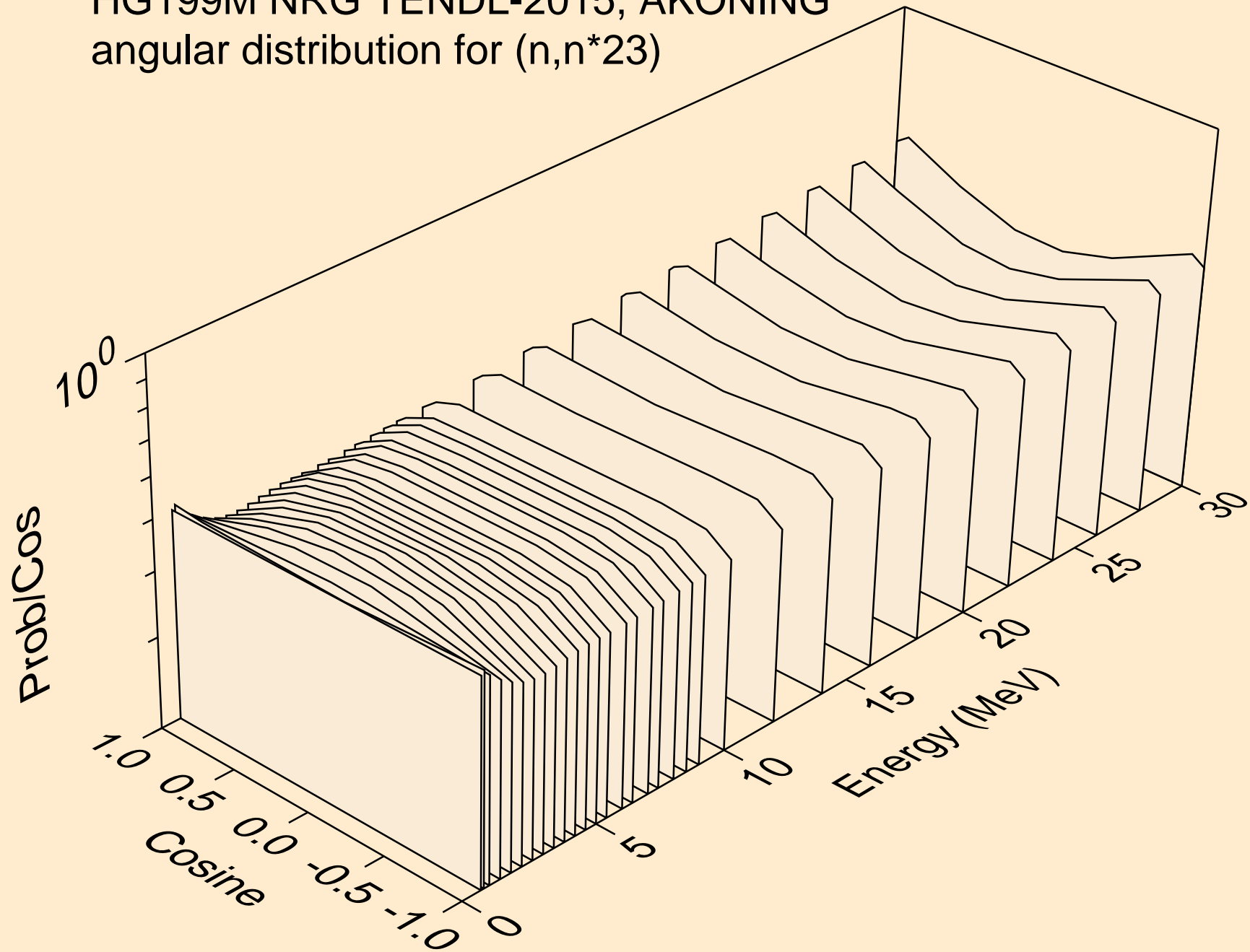
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angular distribution for (n,n\*21)



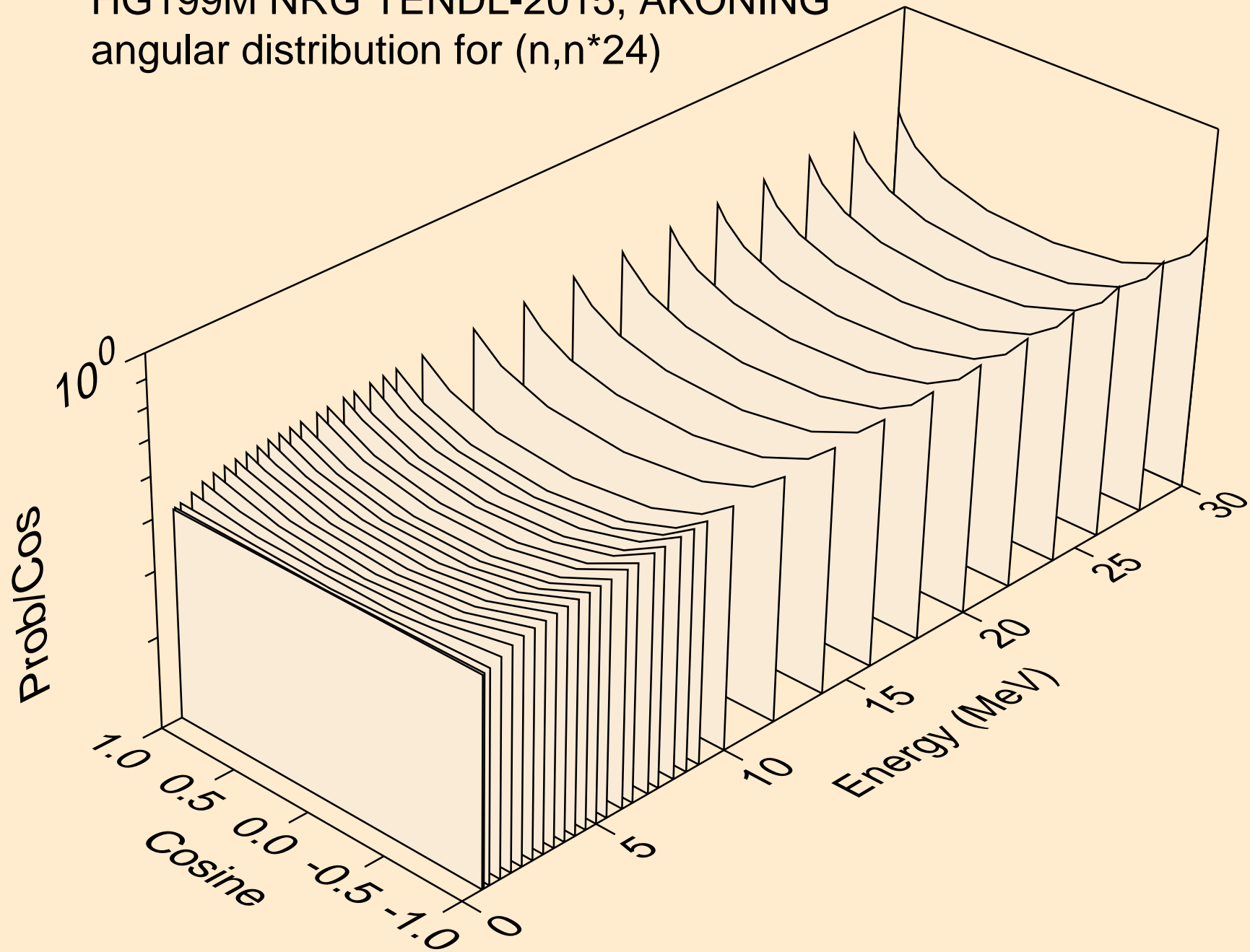
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

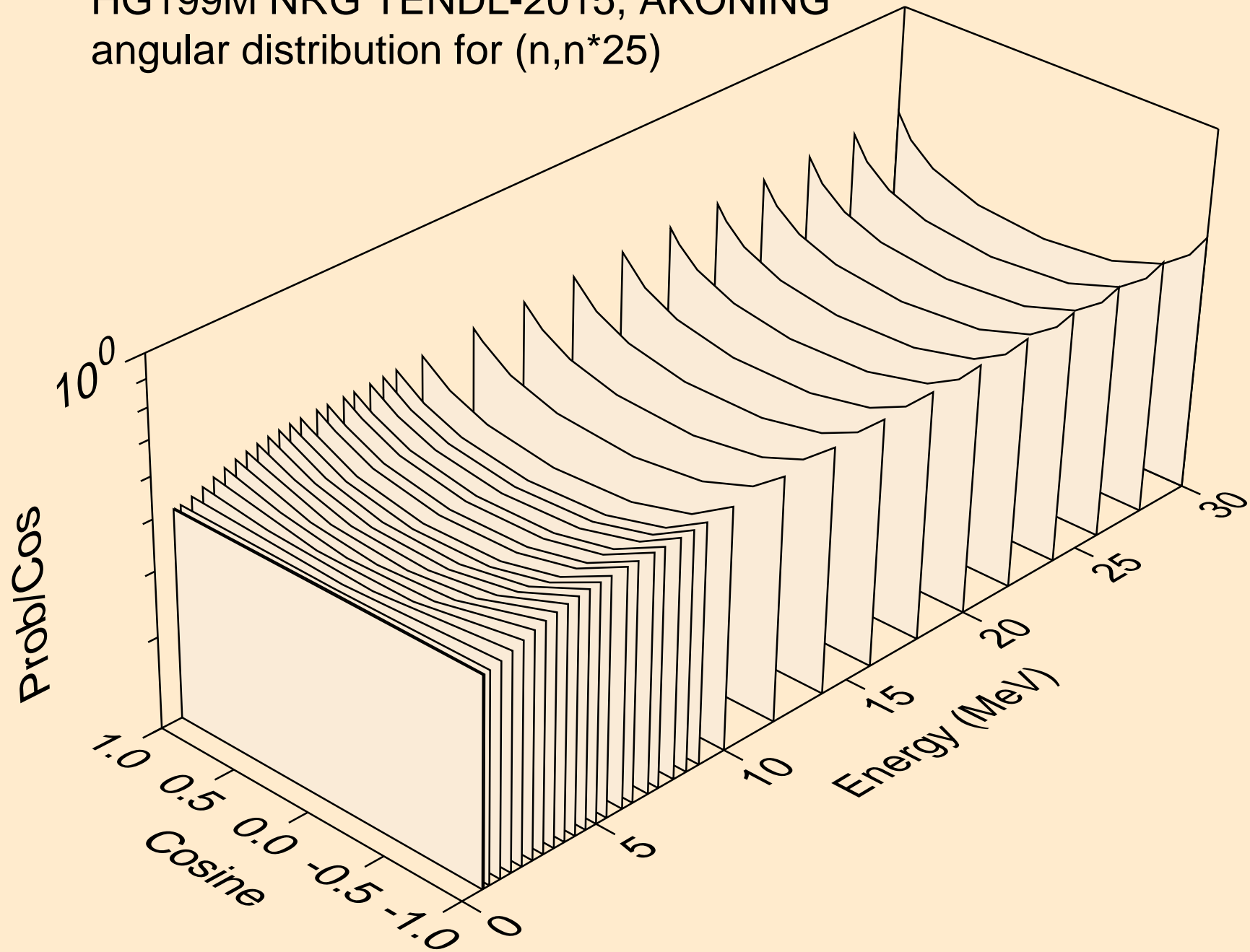


HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)

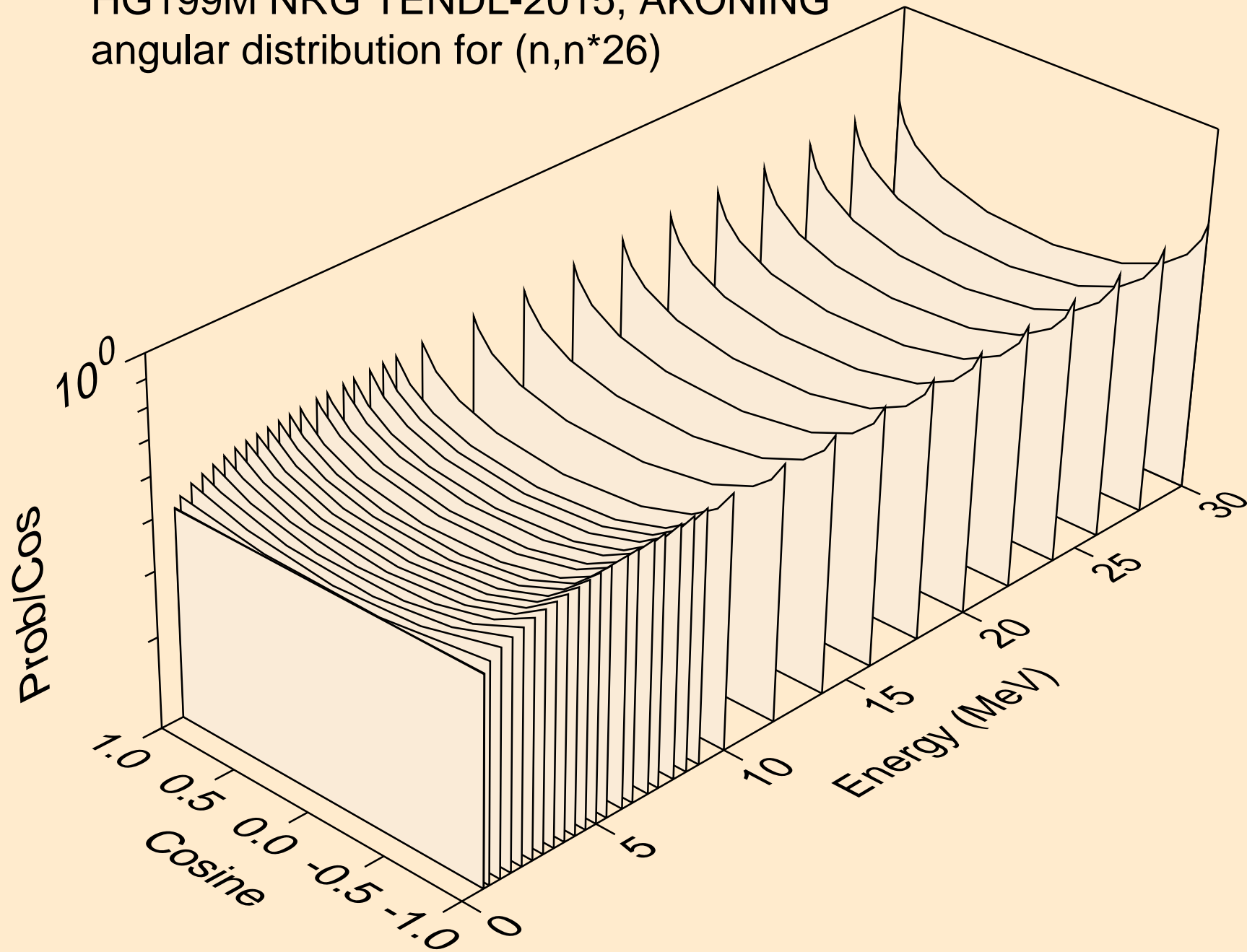




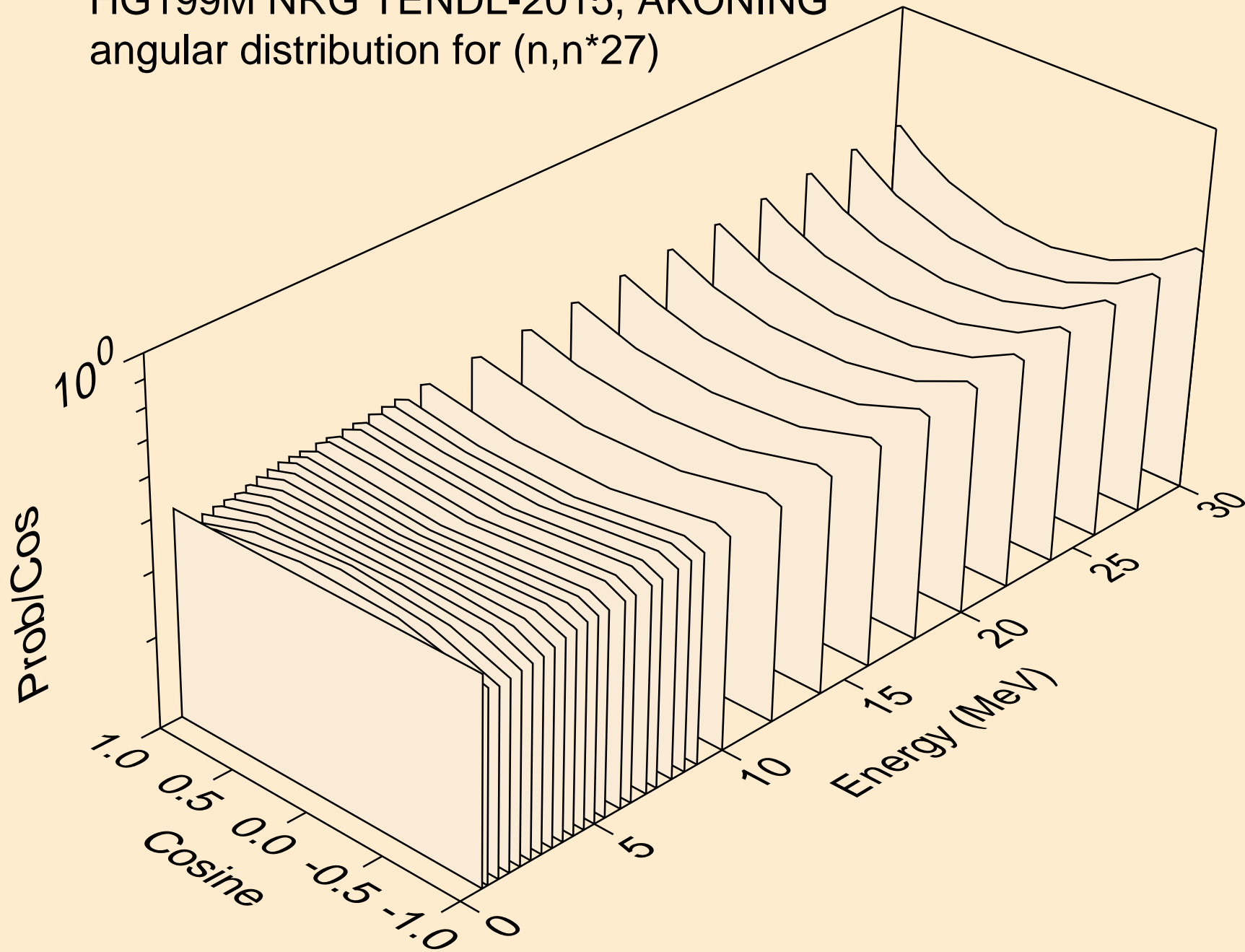
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



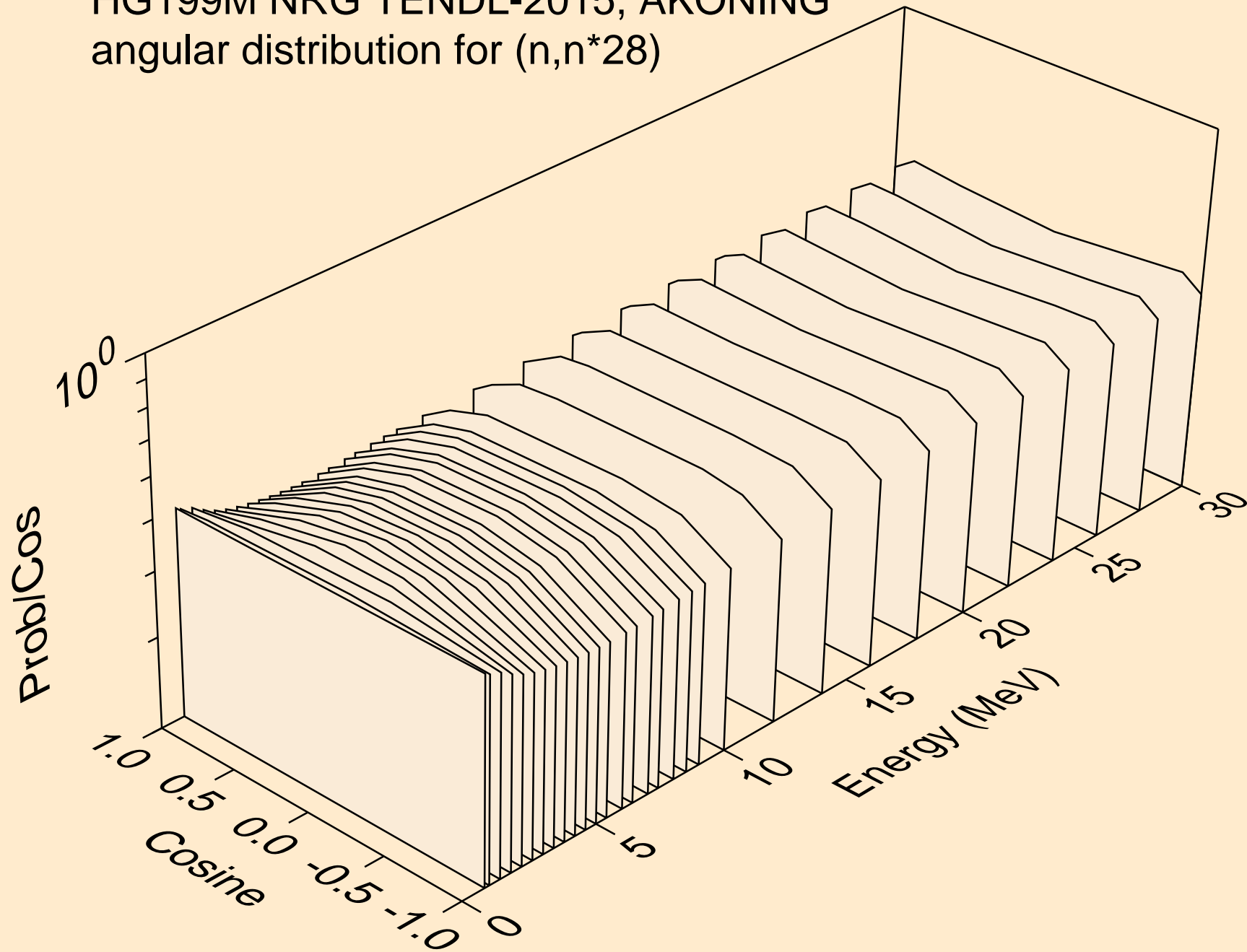
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angular distribution for (n,n\*26)



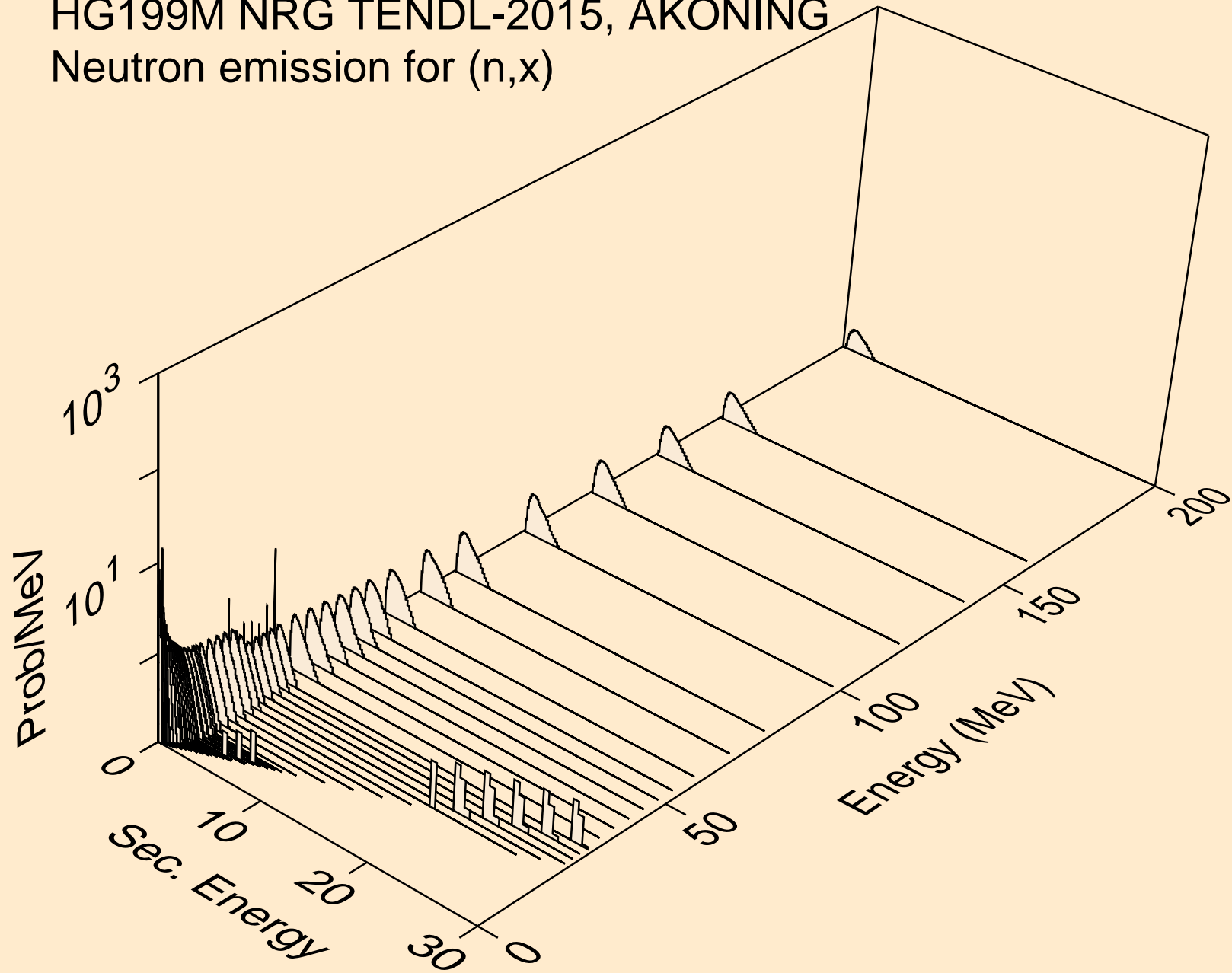
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



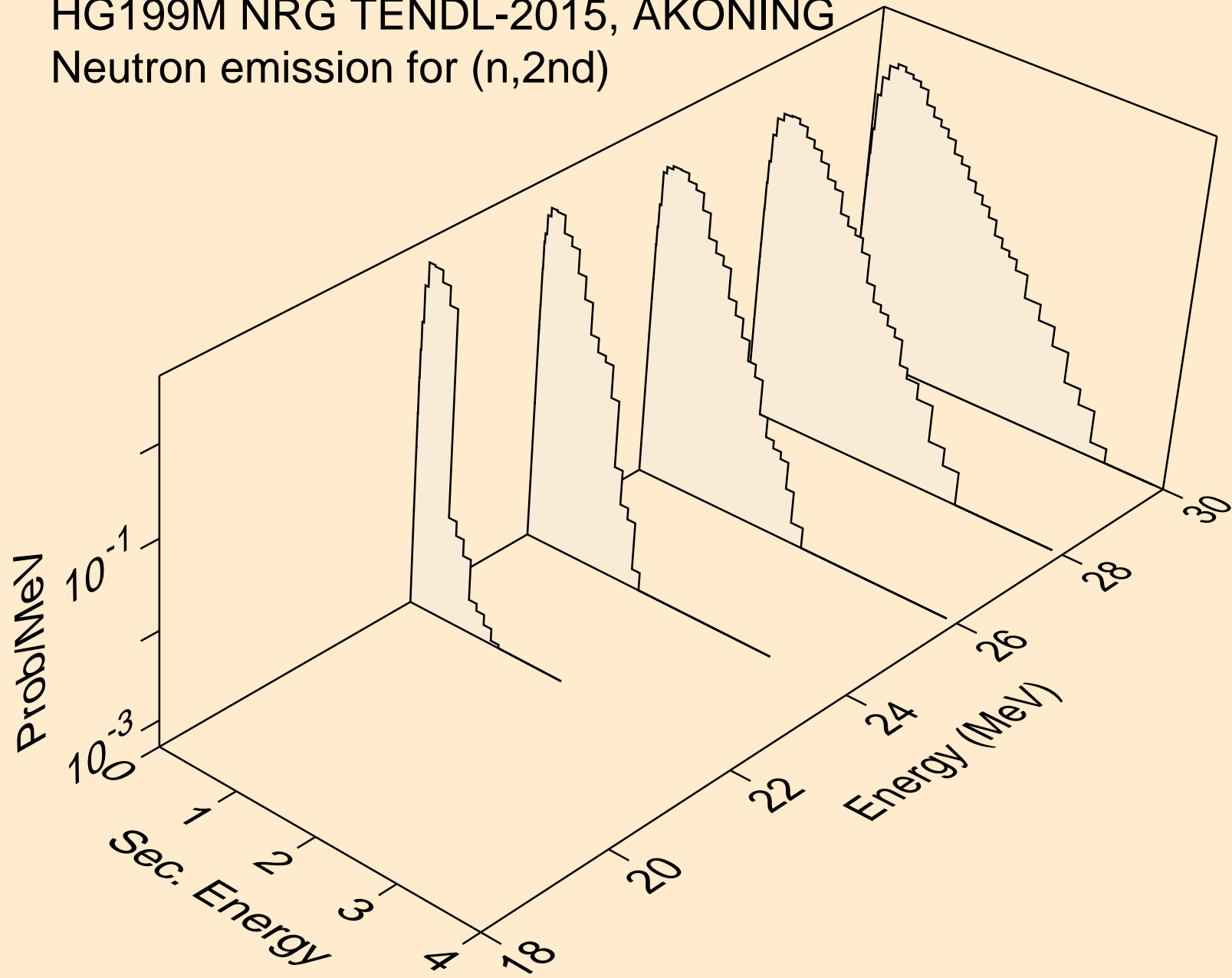
HG199M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



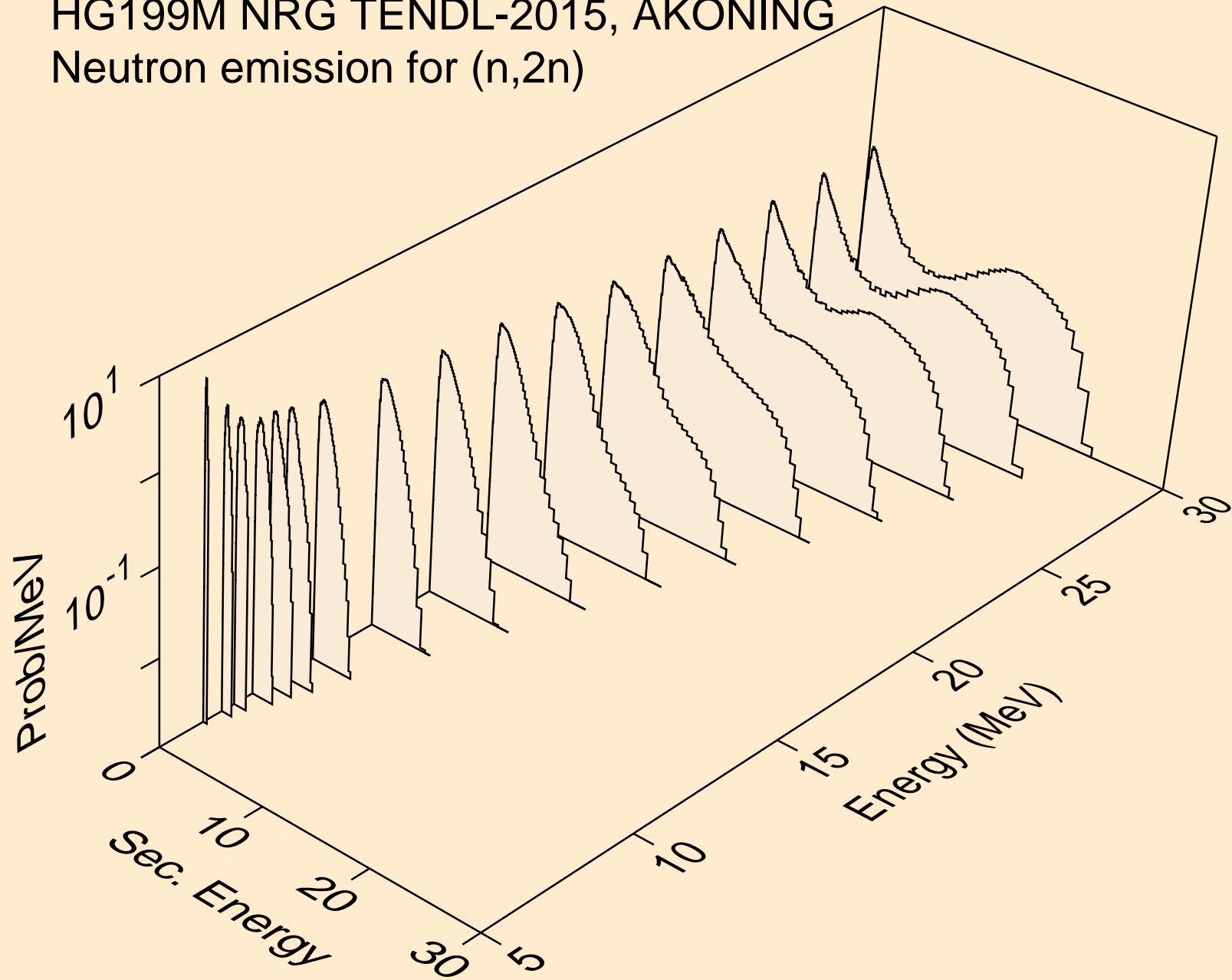
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



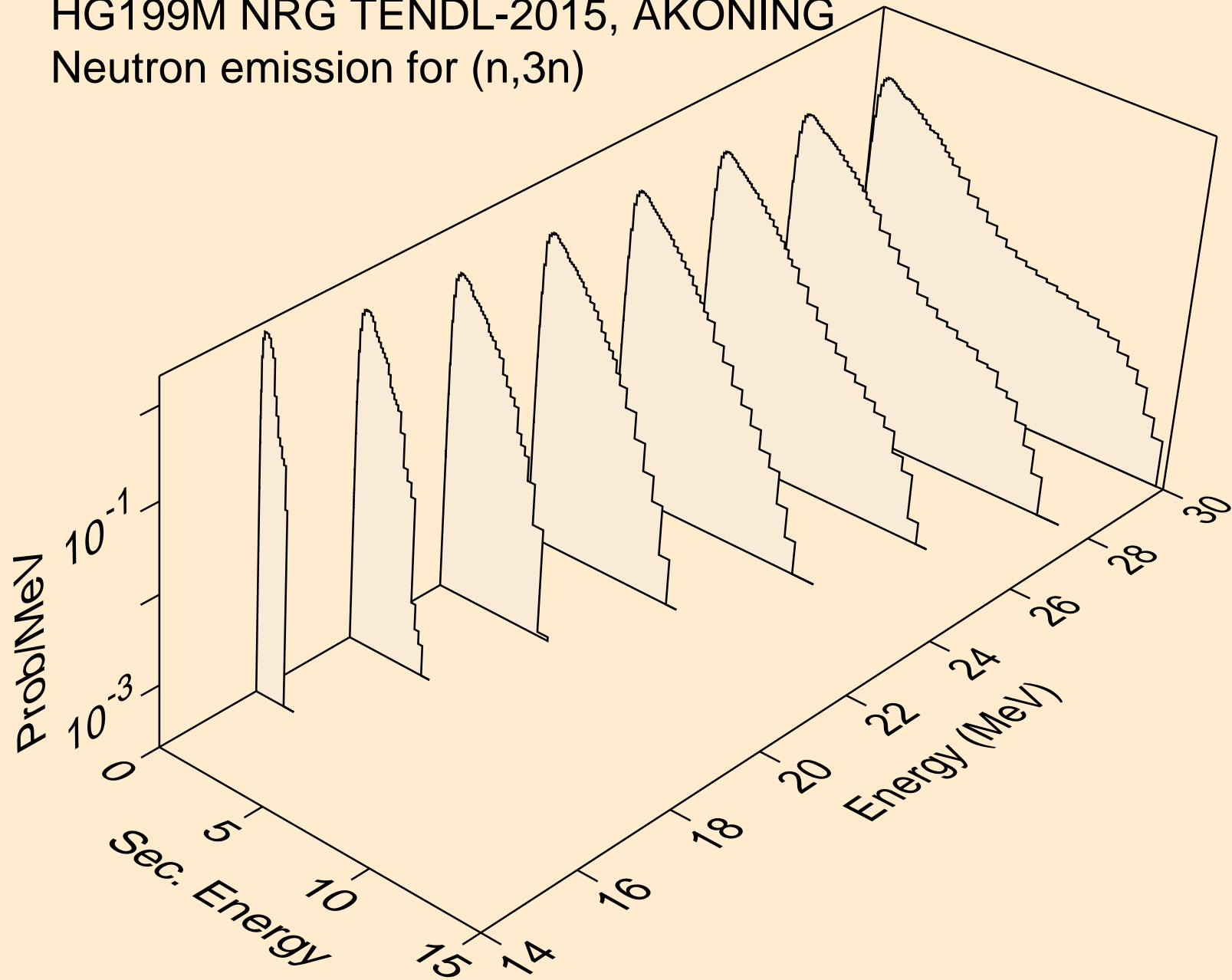
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

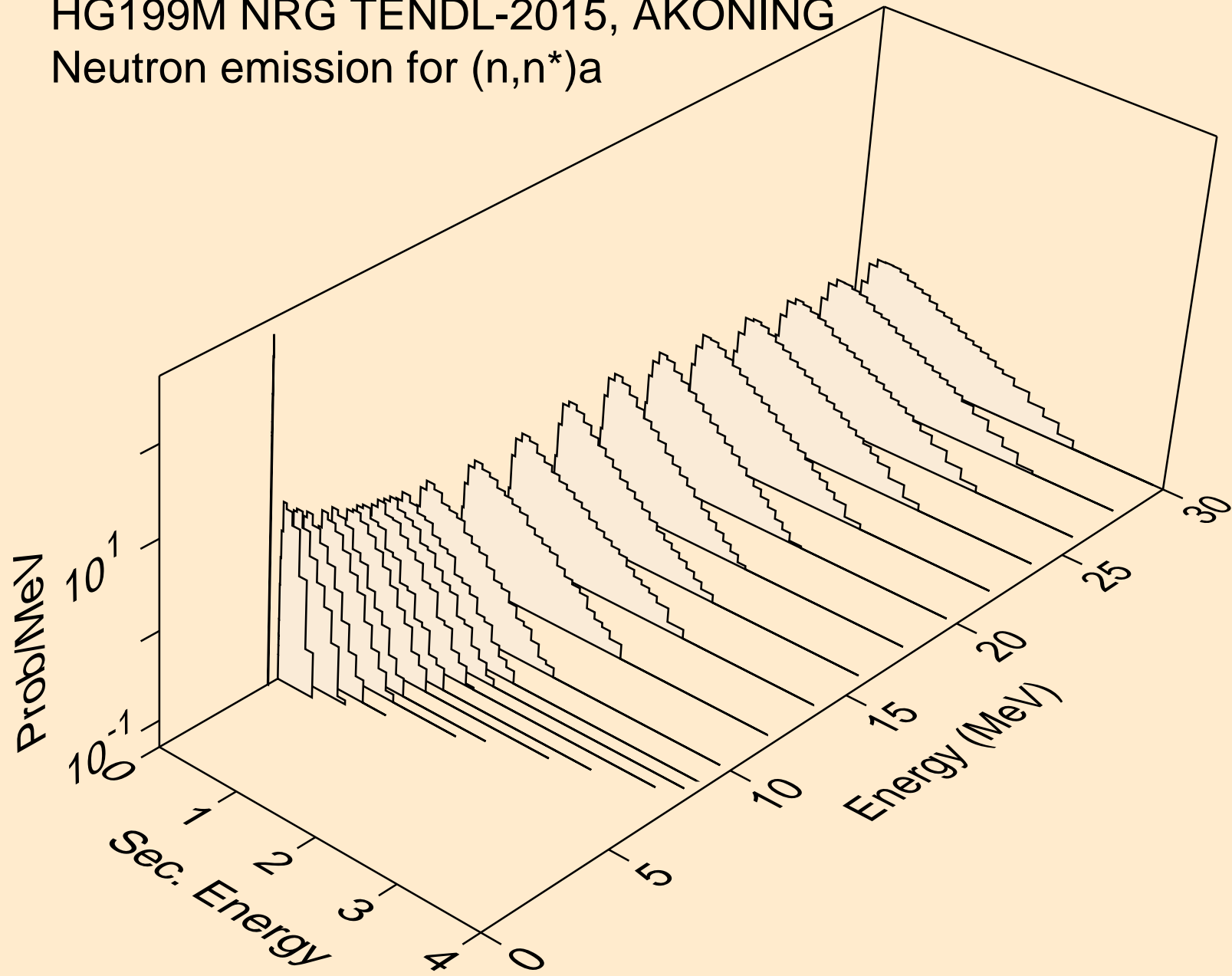


HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)

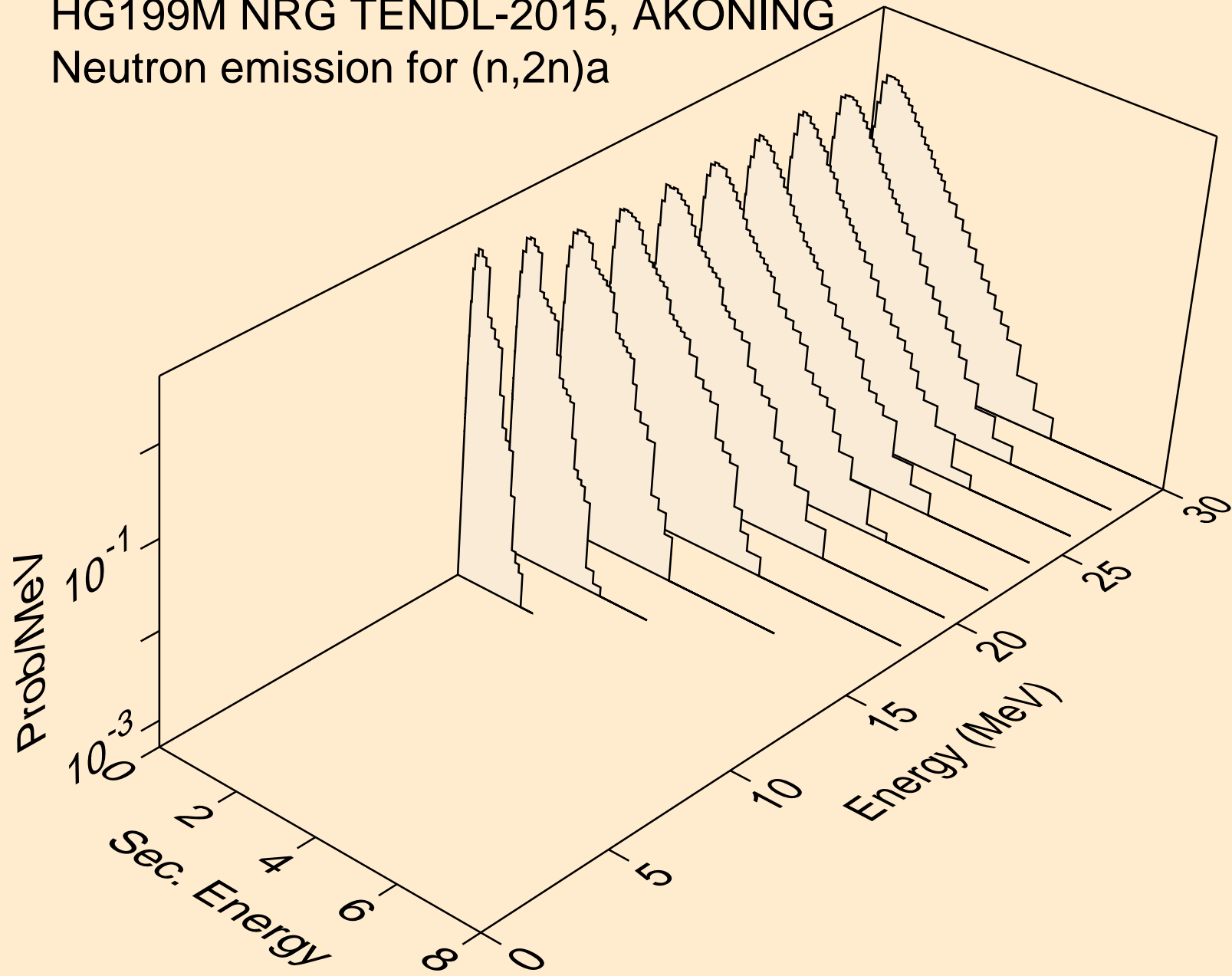




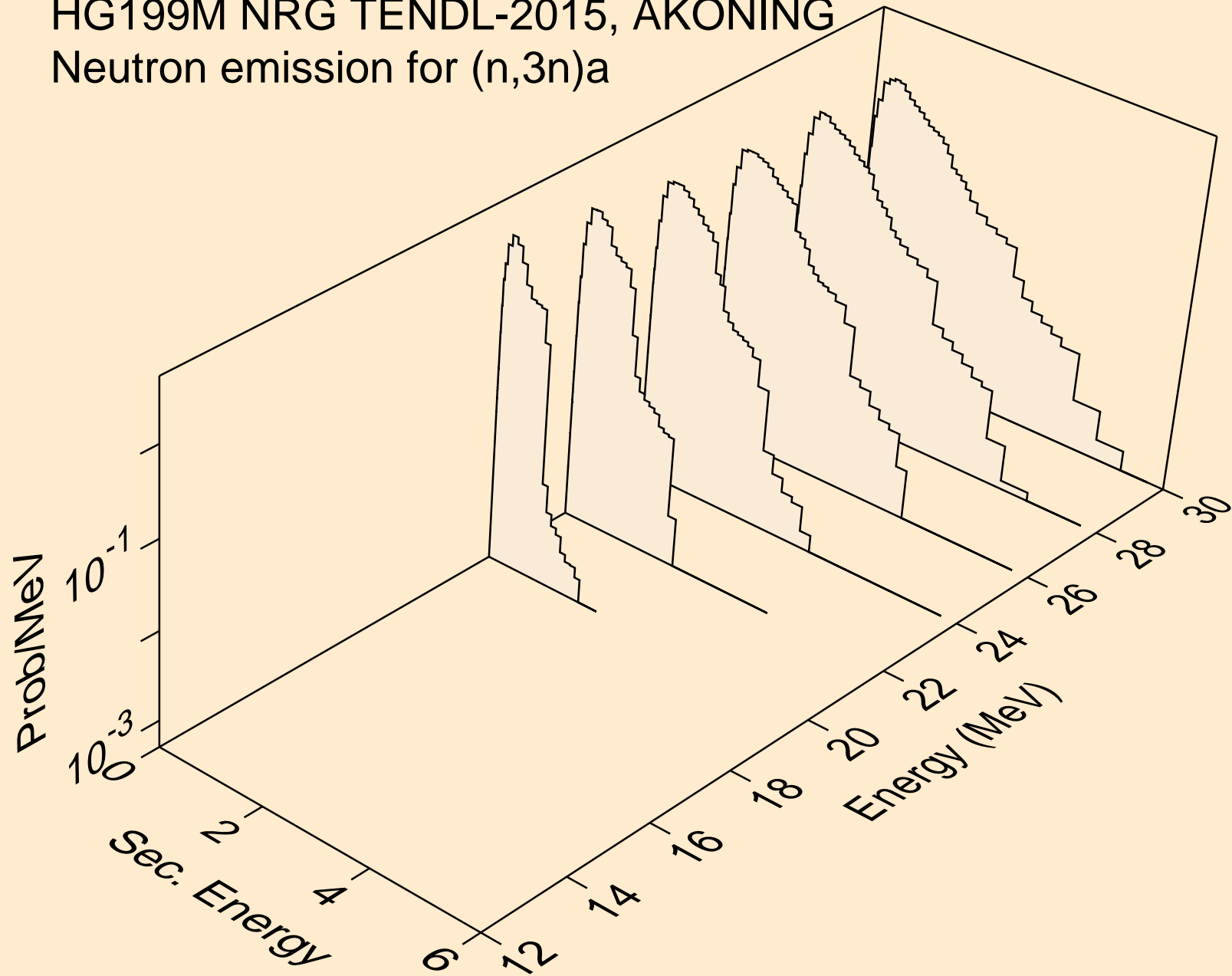
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



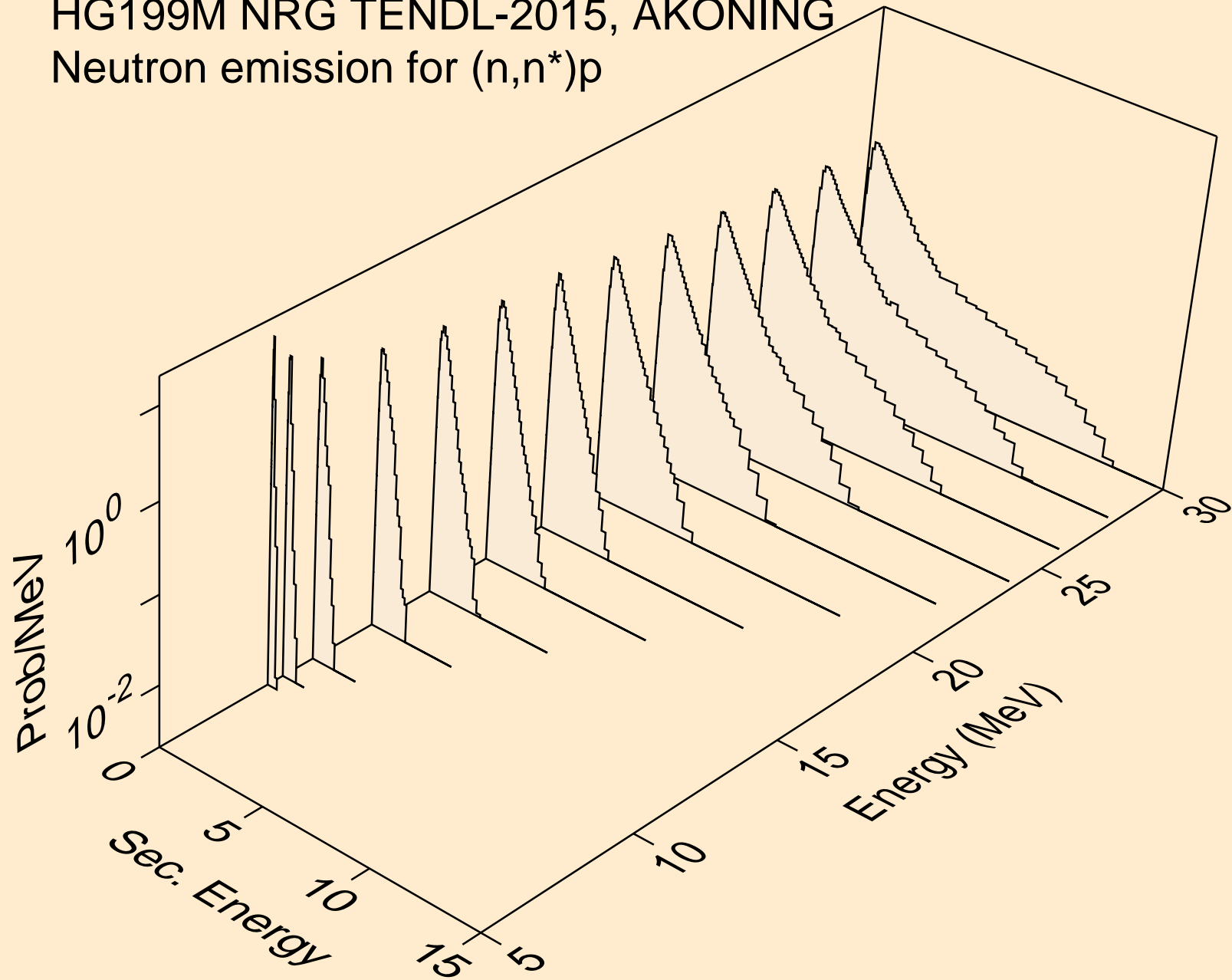
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



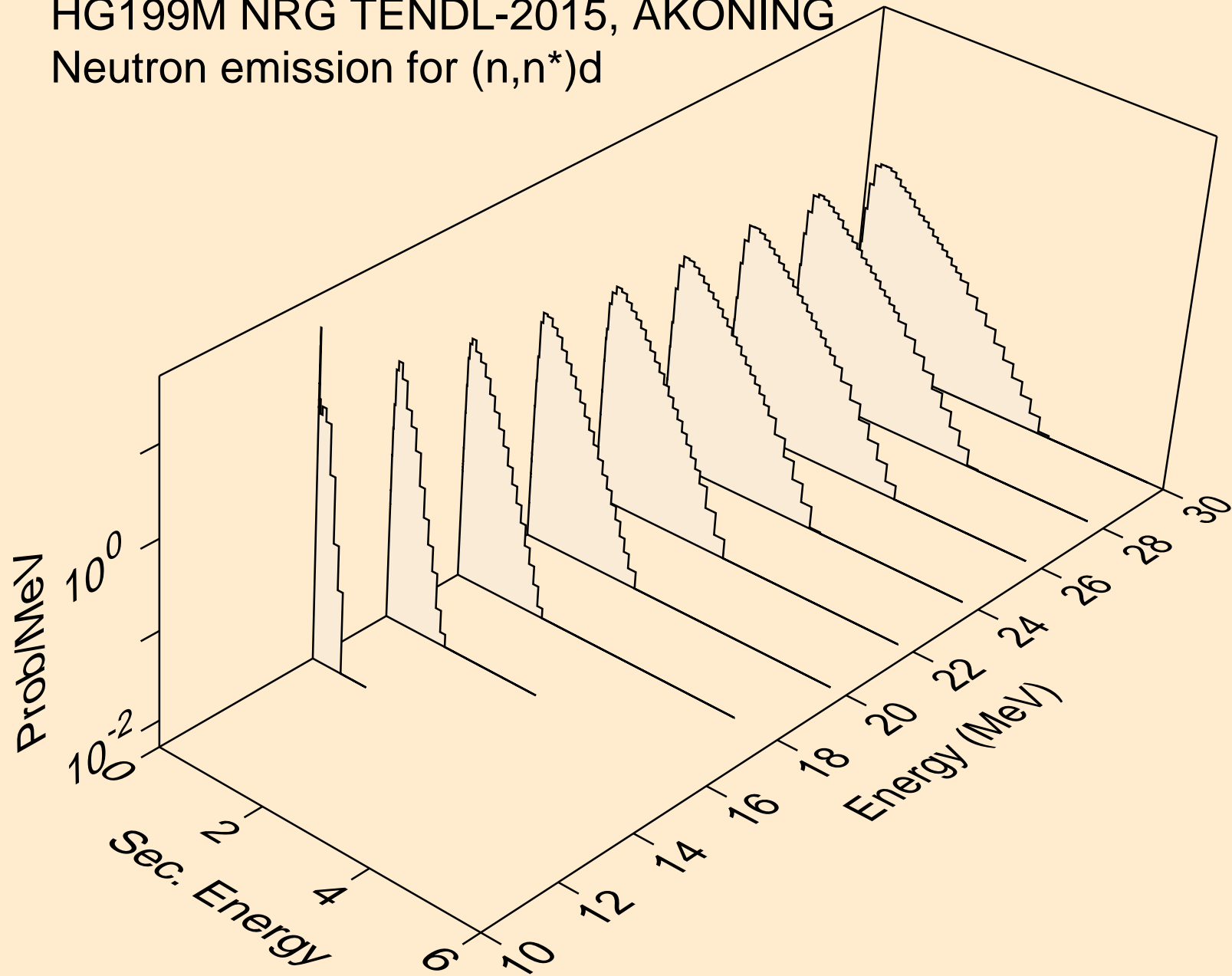
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



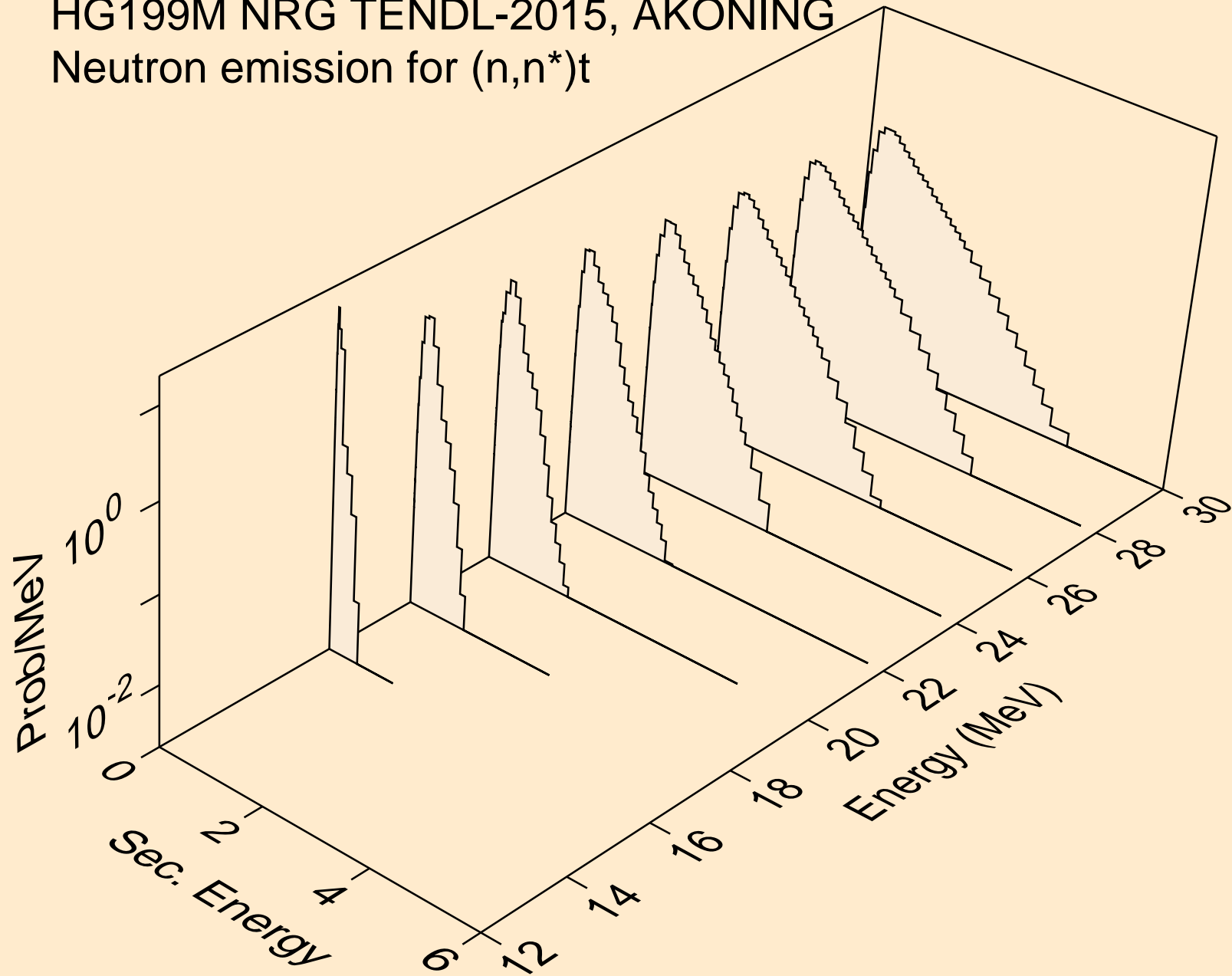
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



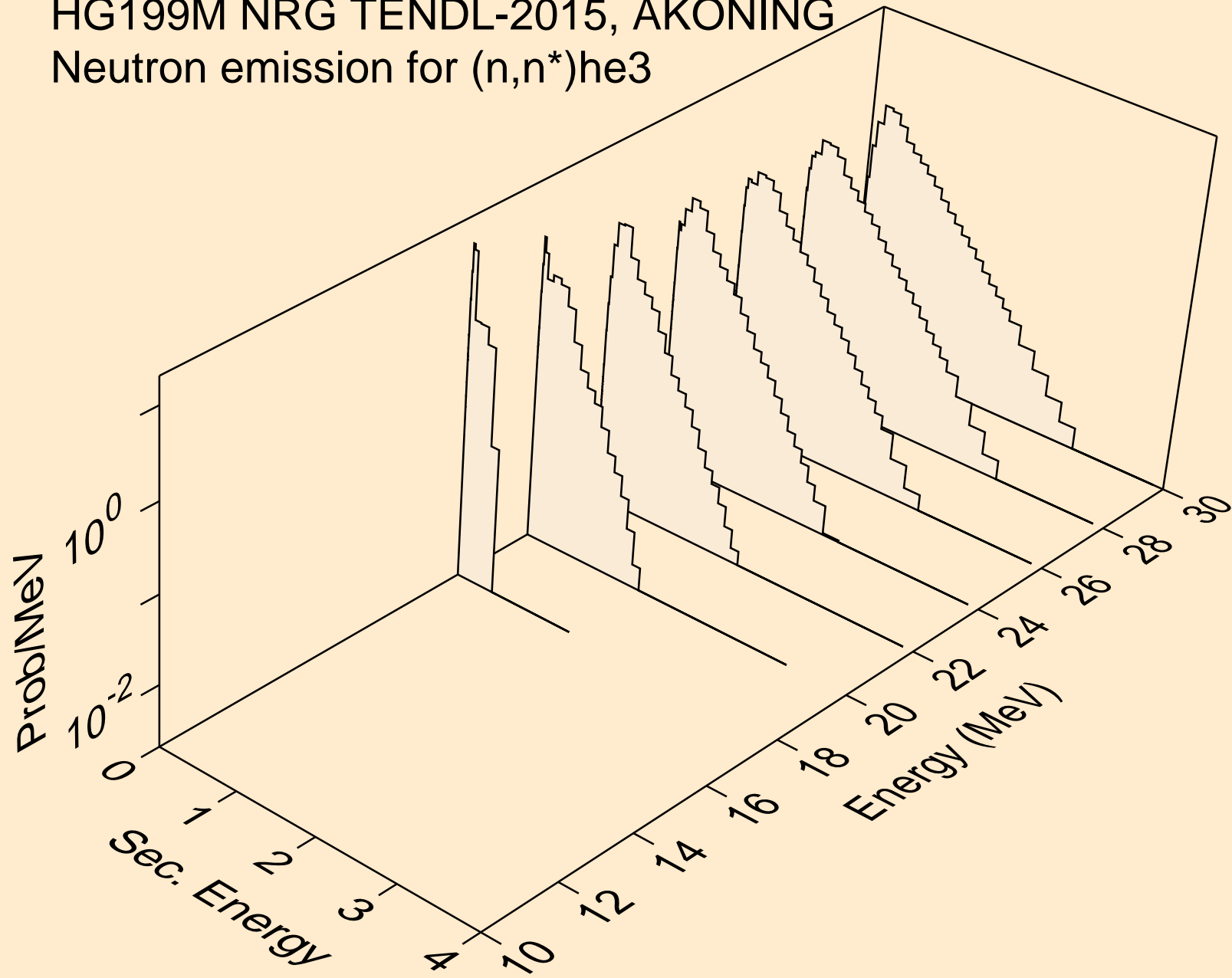
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



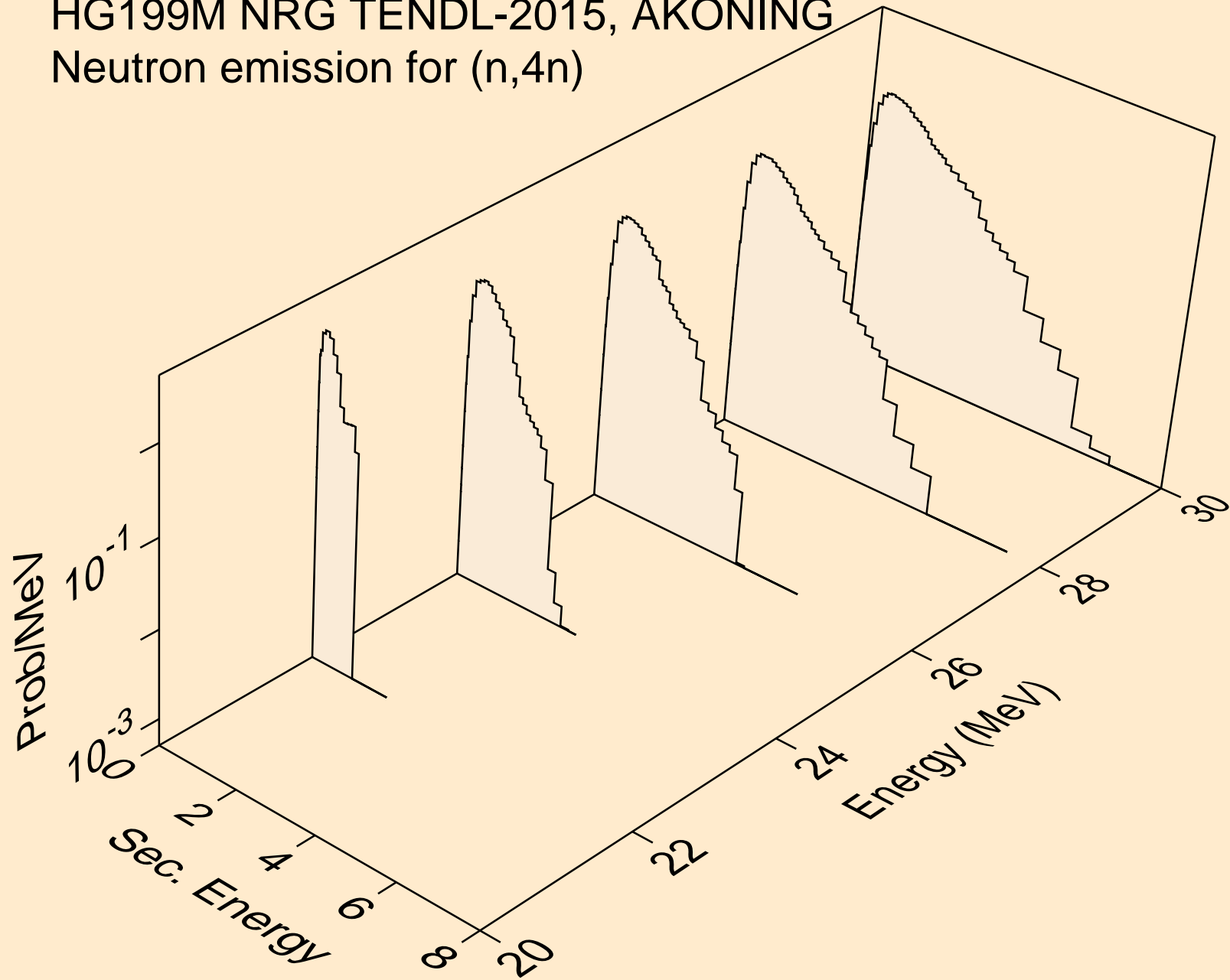
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

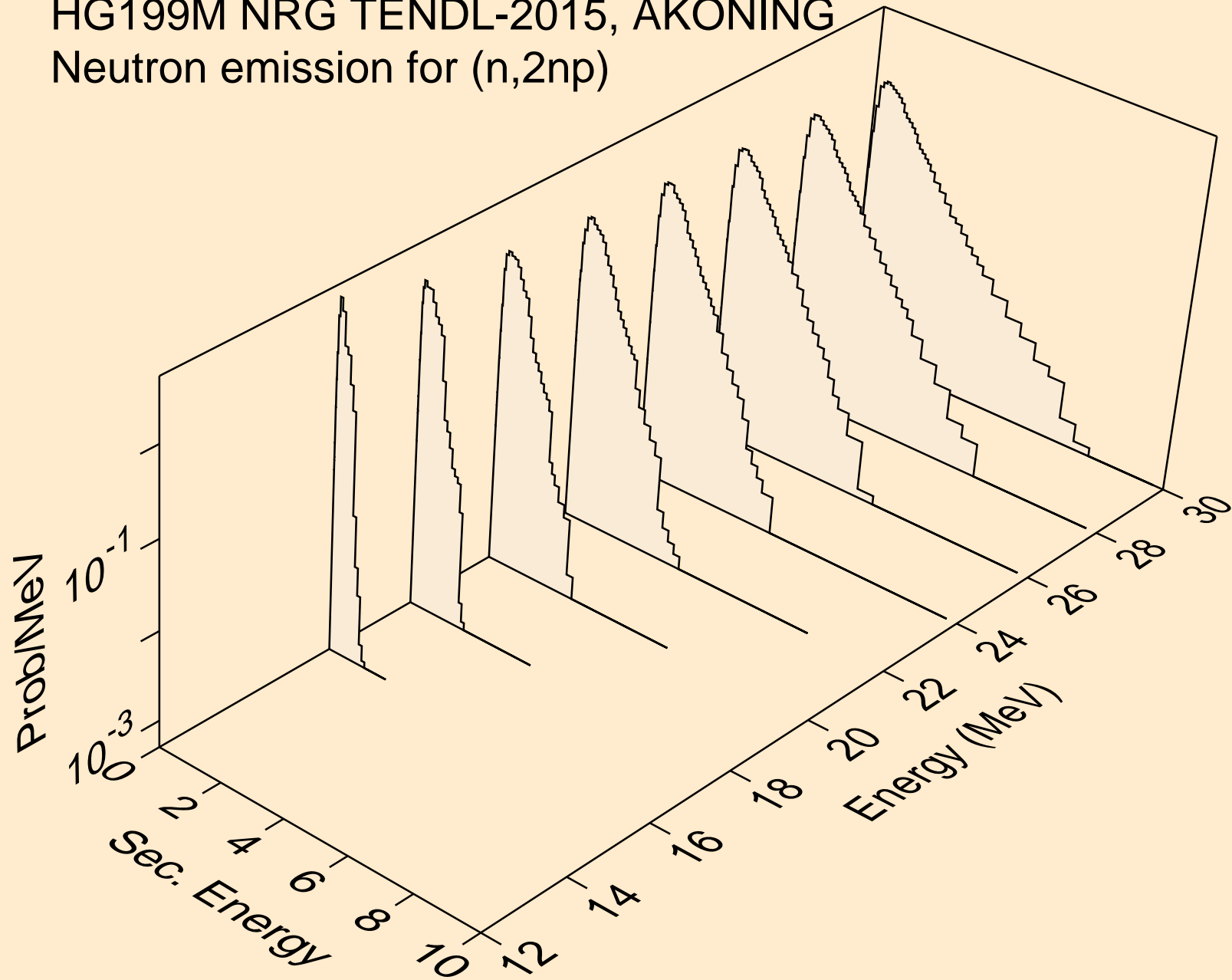


HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

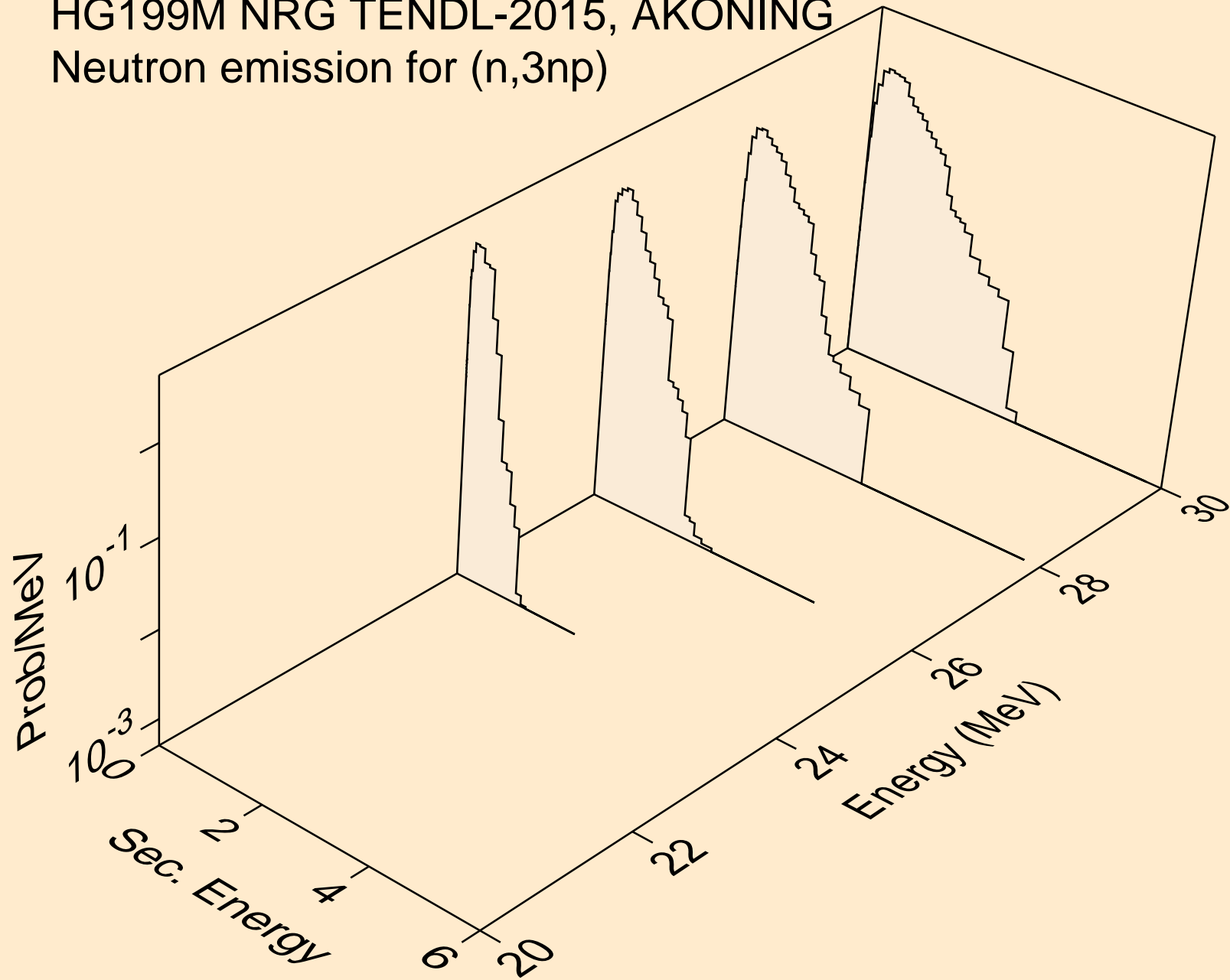




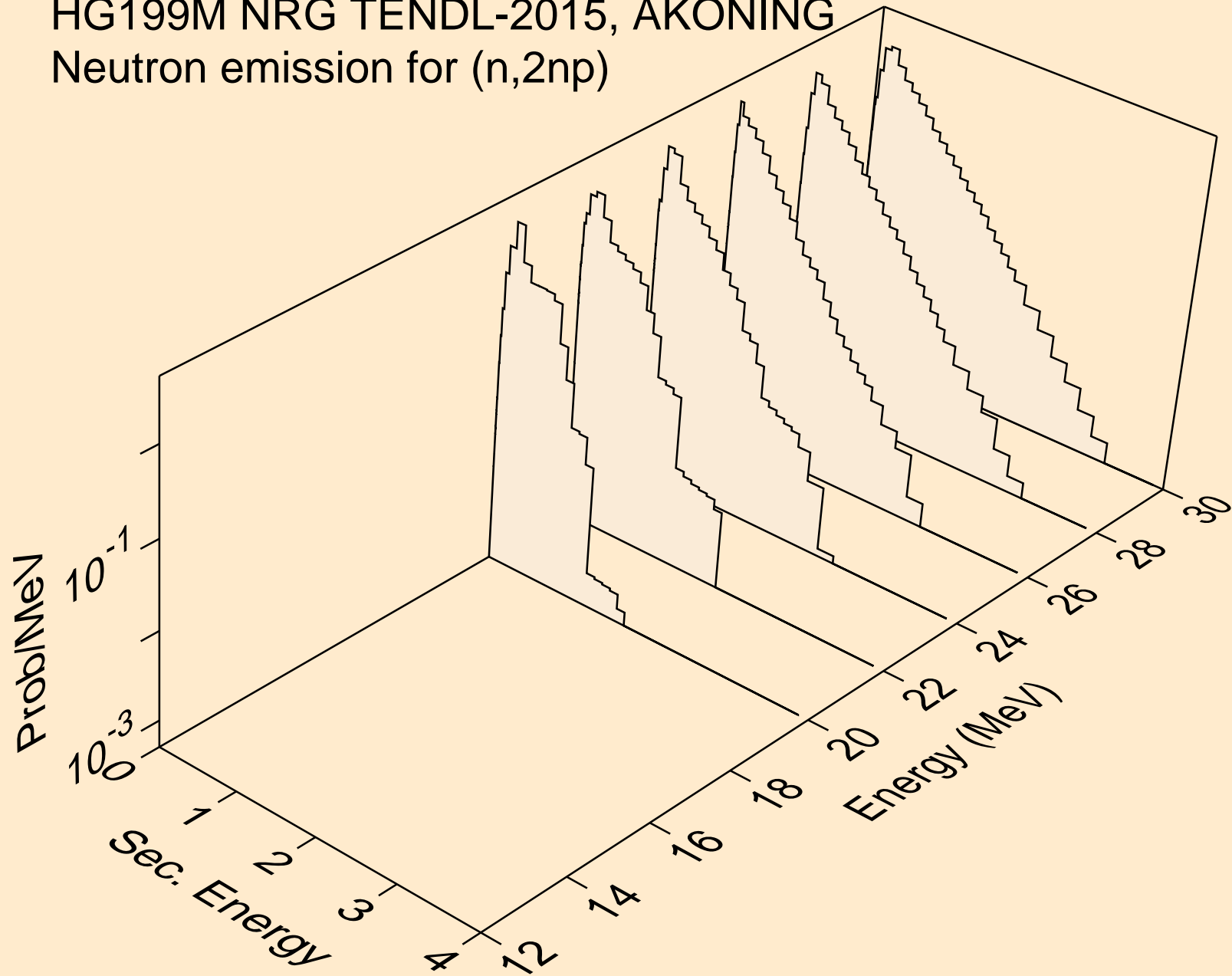
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



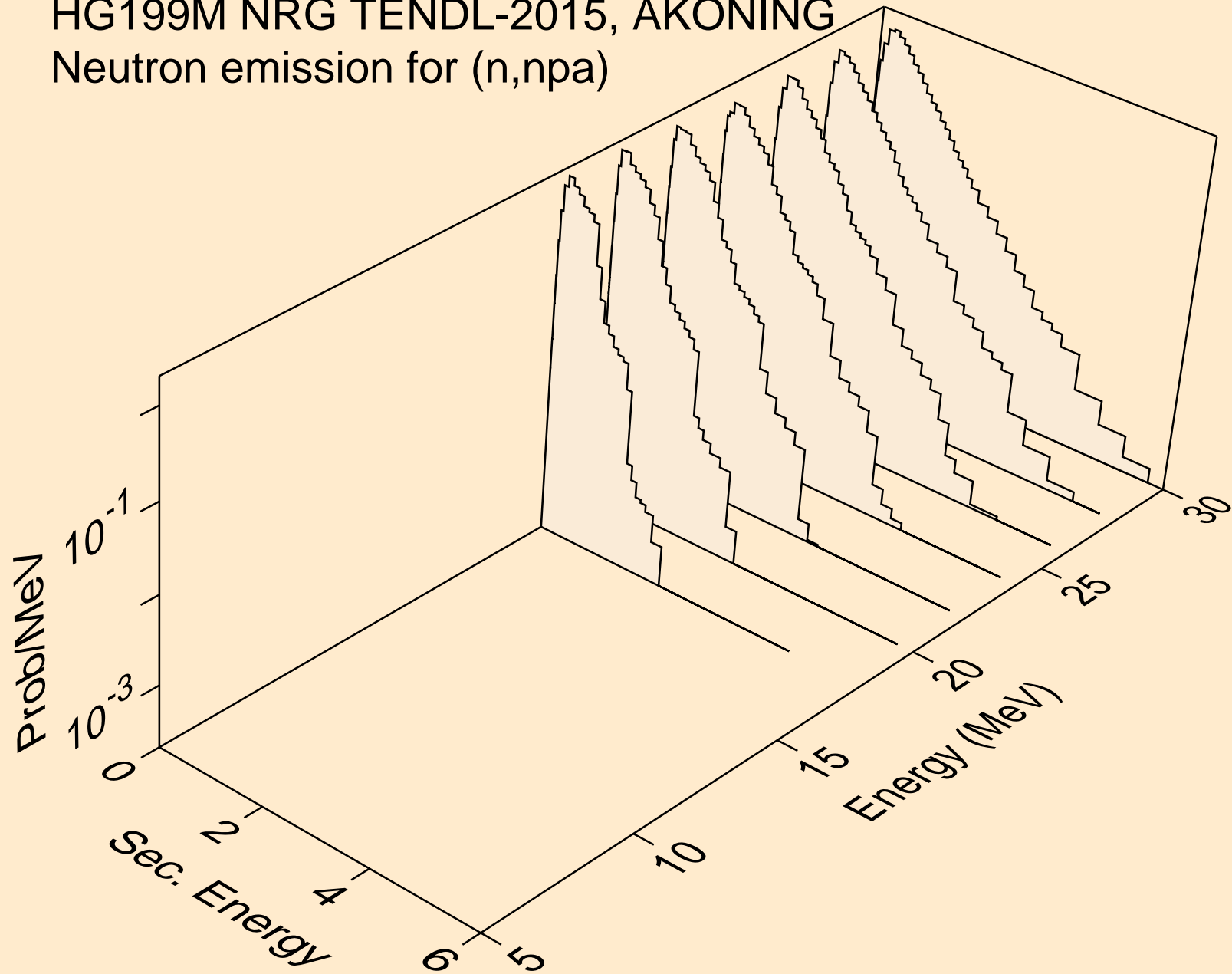
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



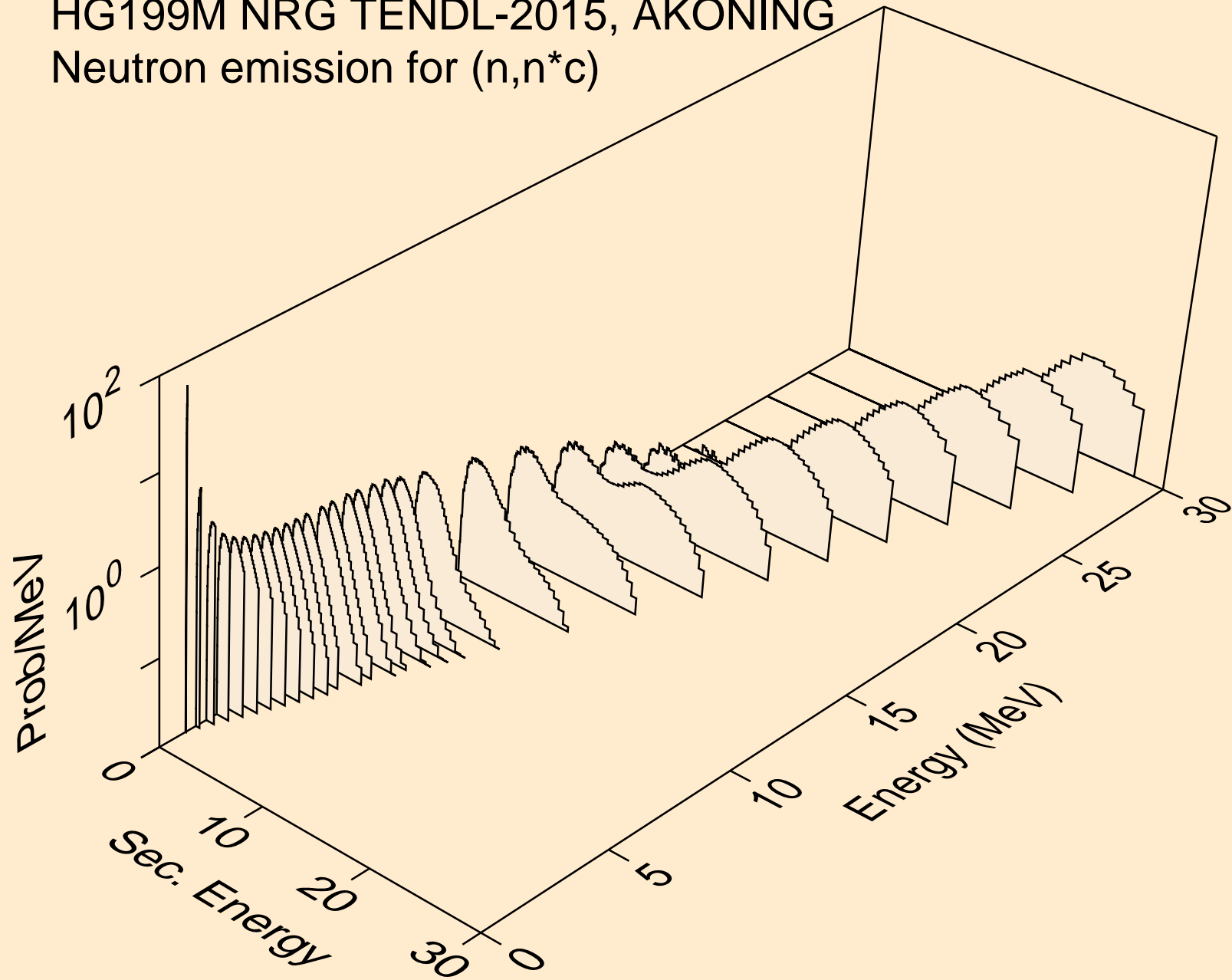
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



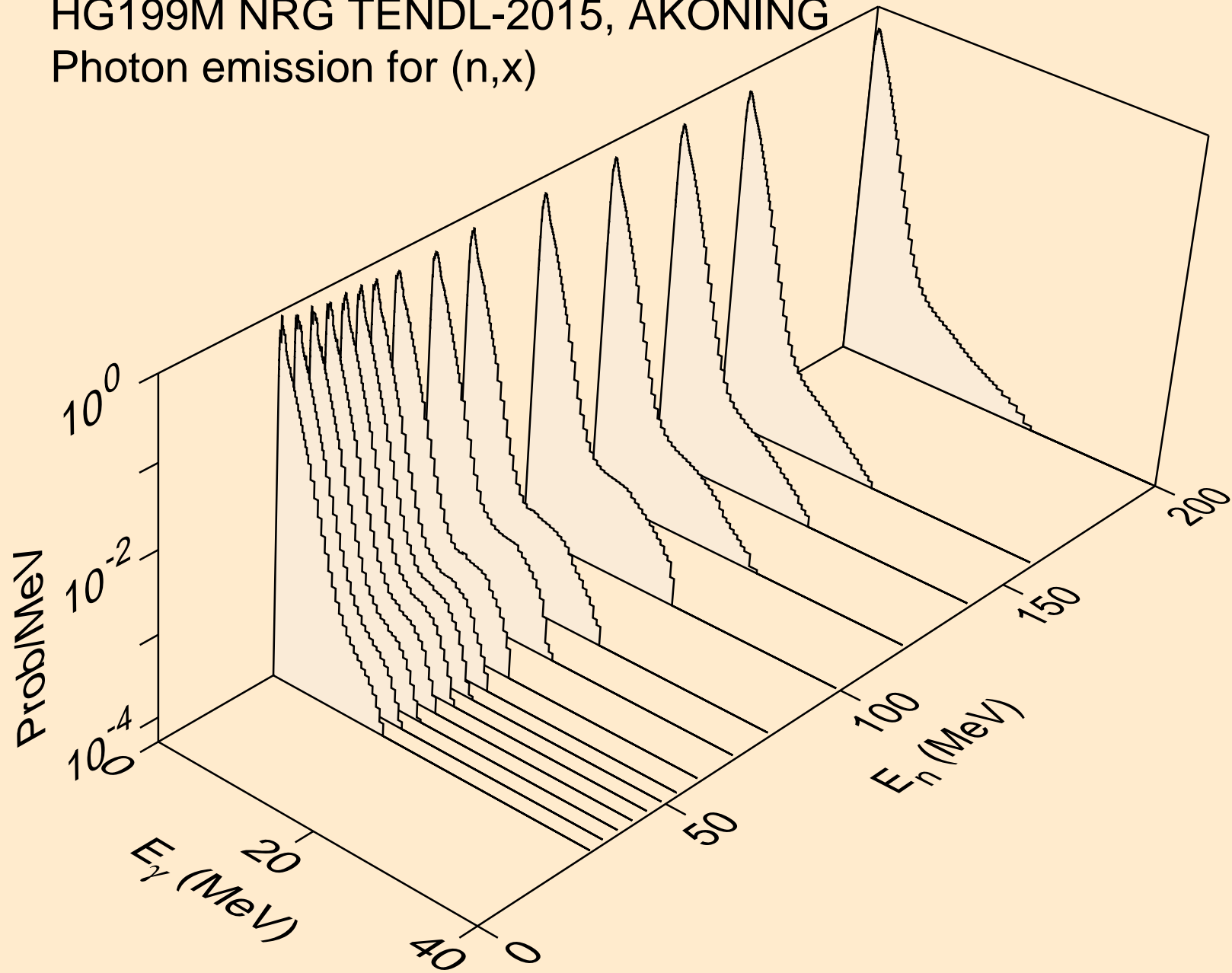
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



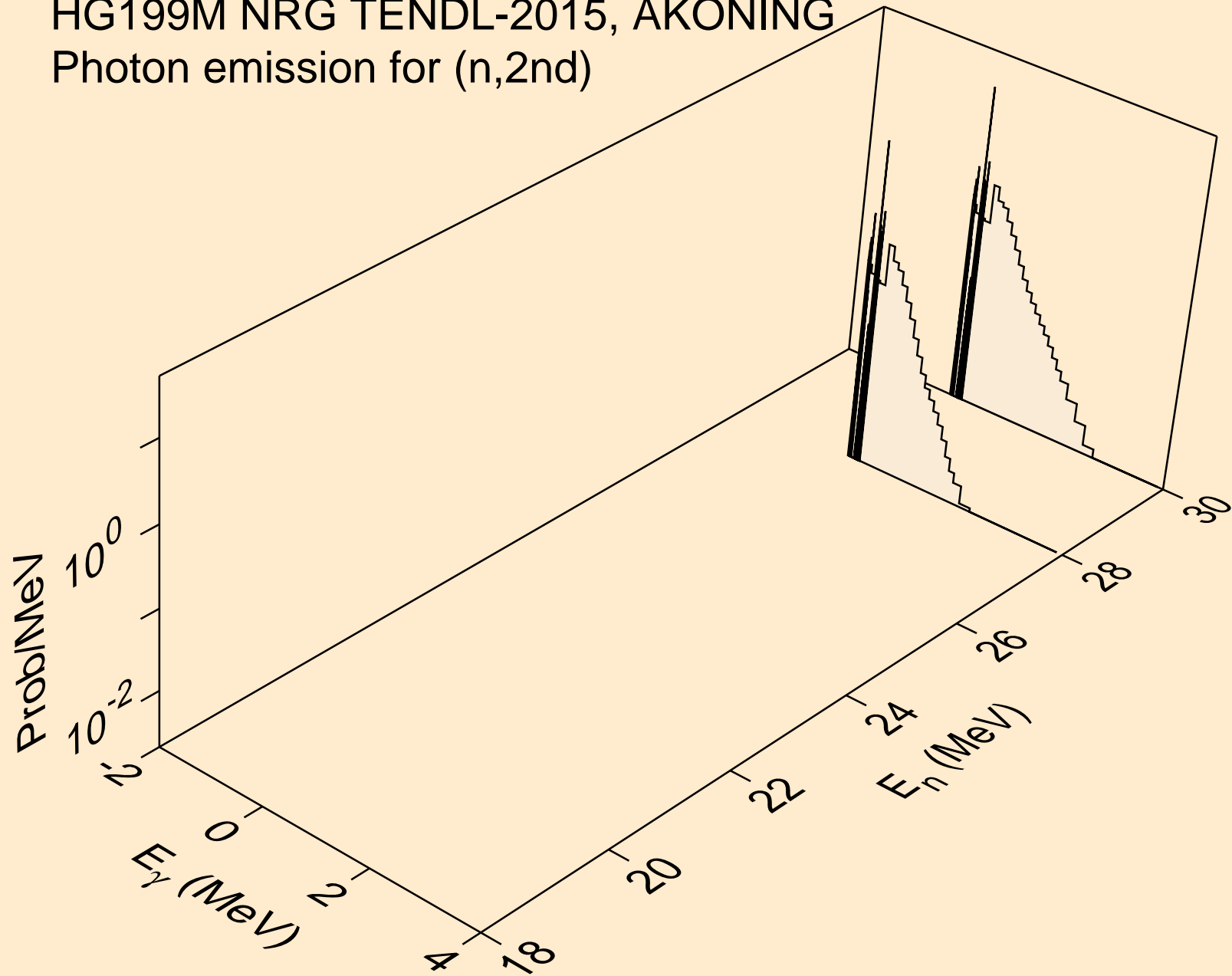
HG199M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



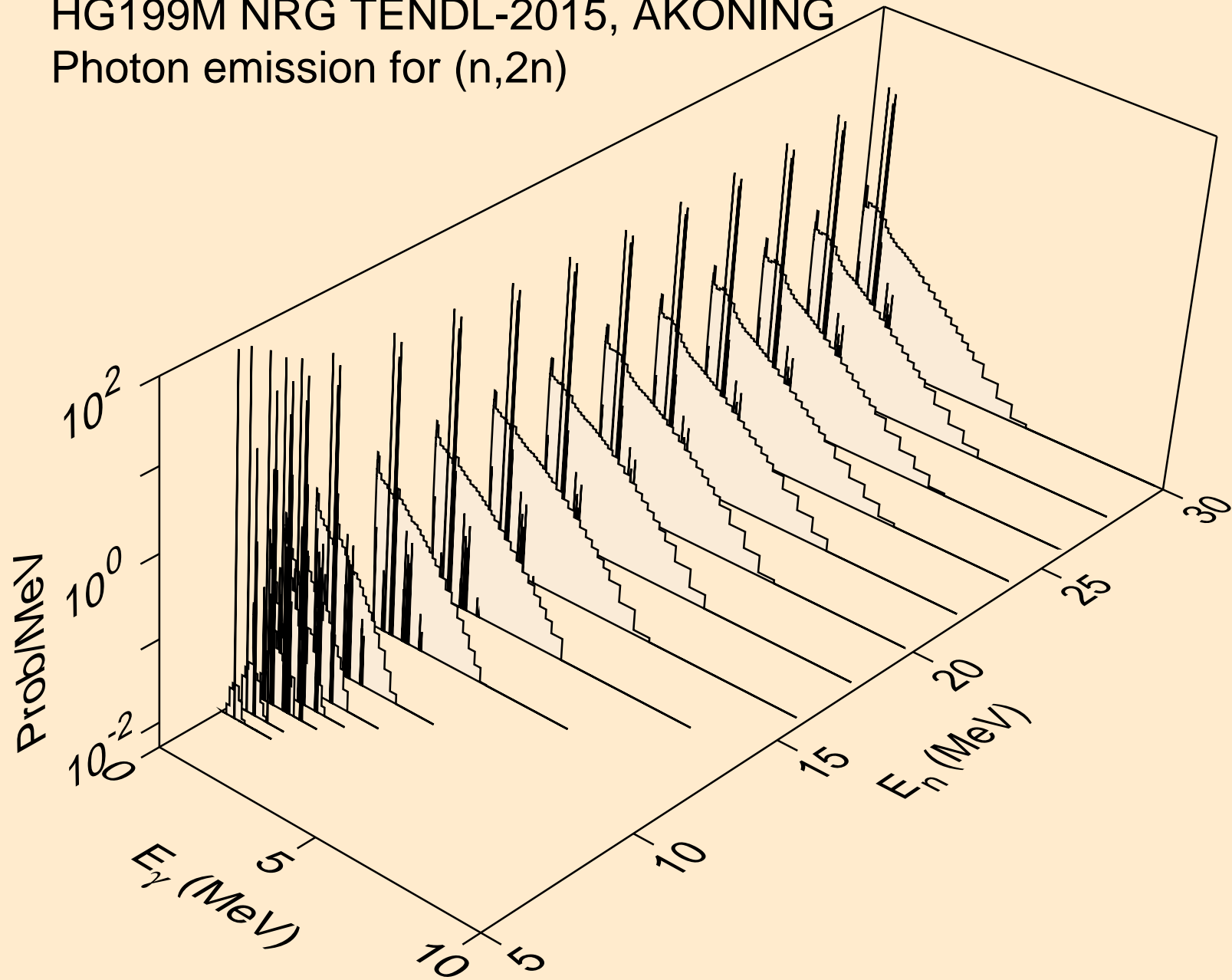
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,x)



HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

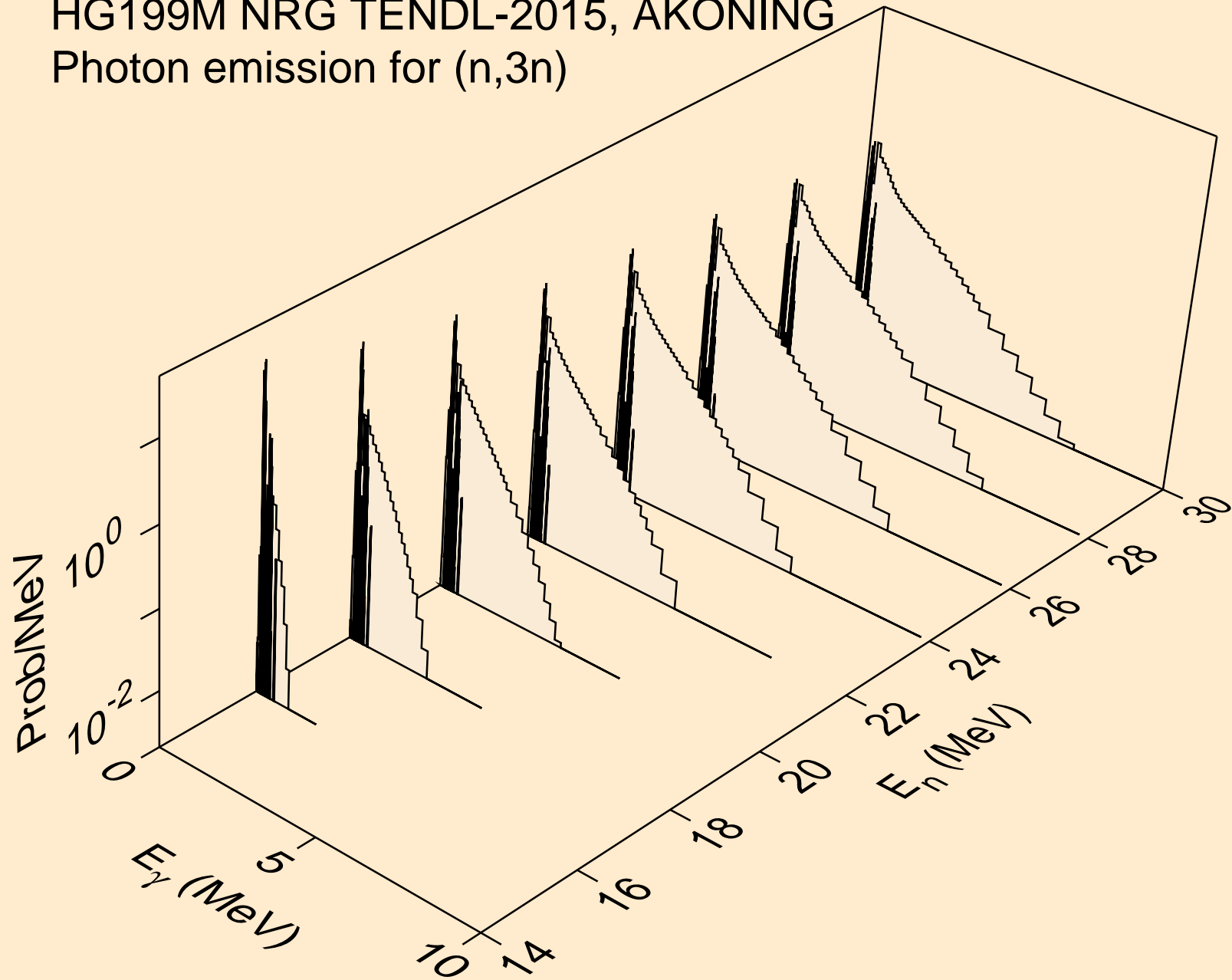


HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

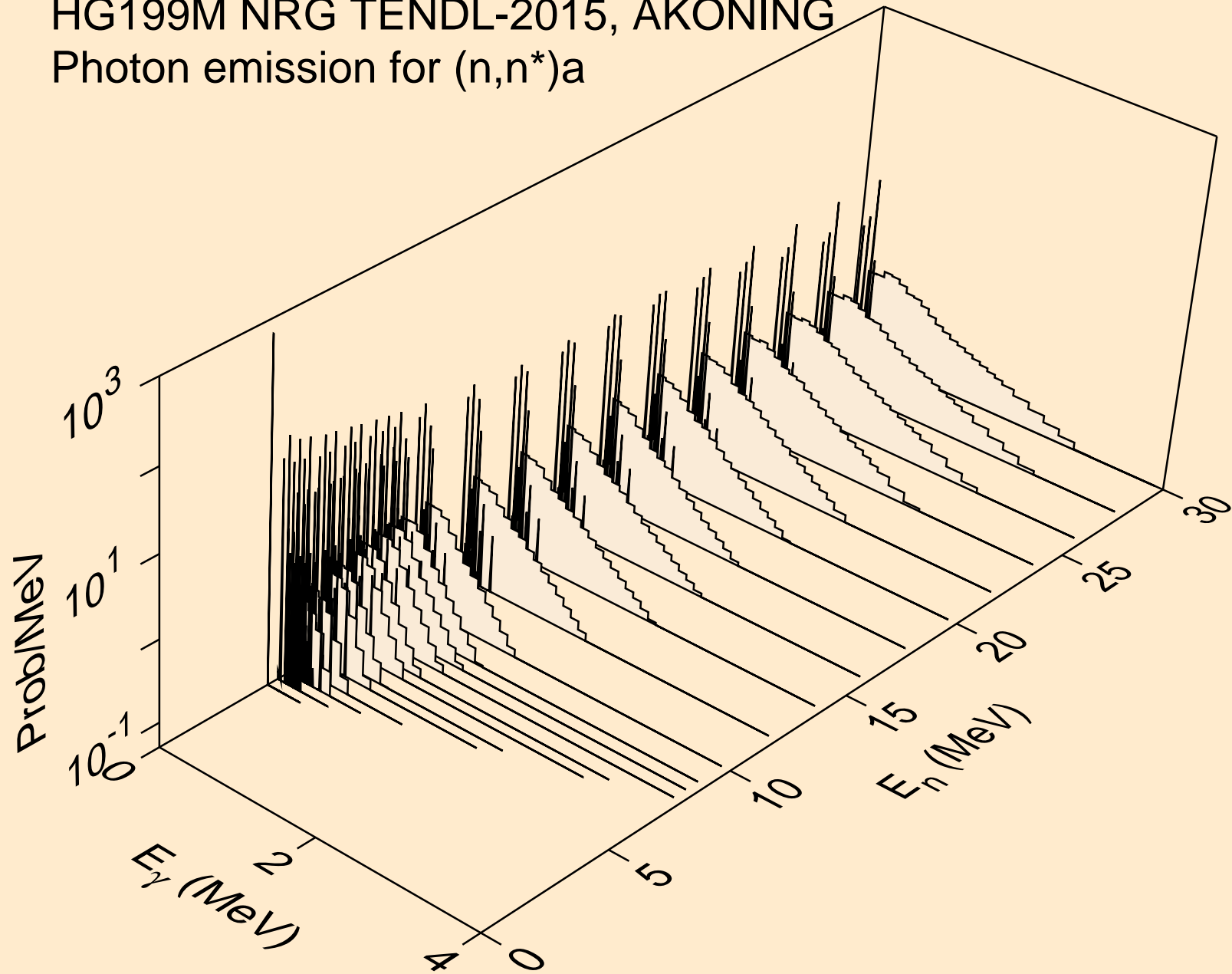




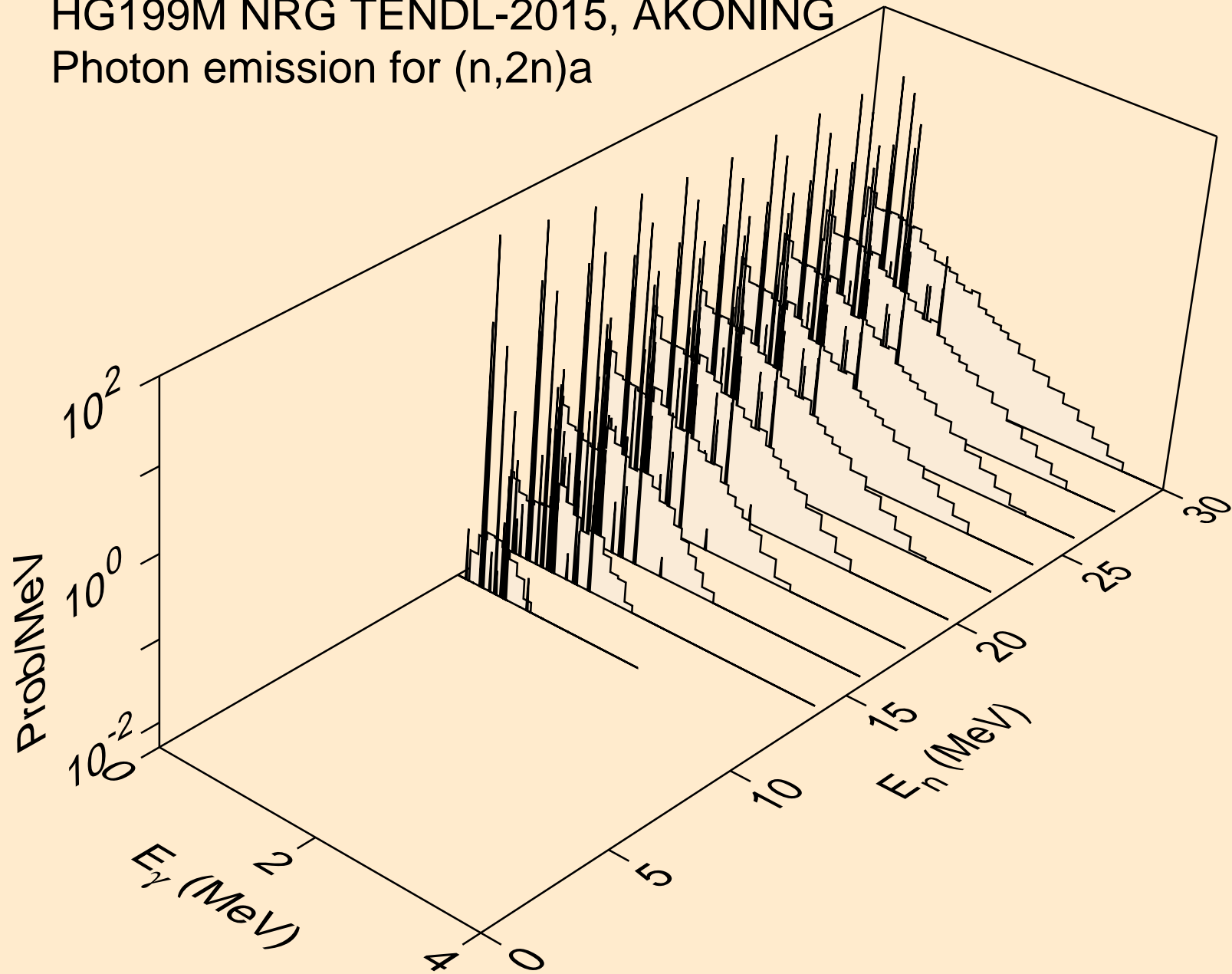
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



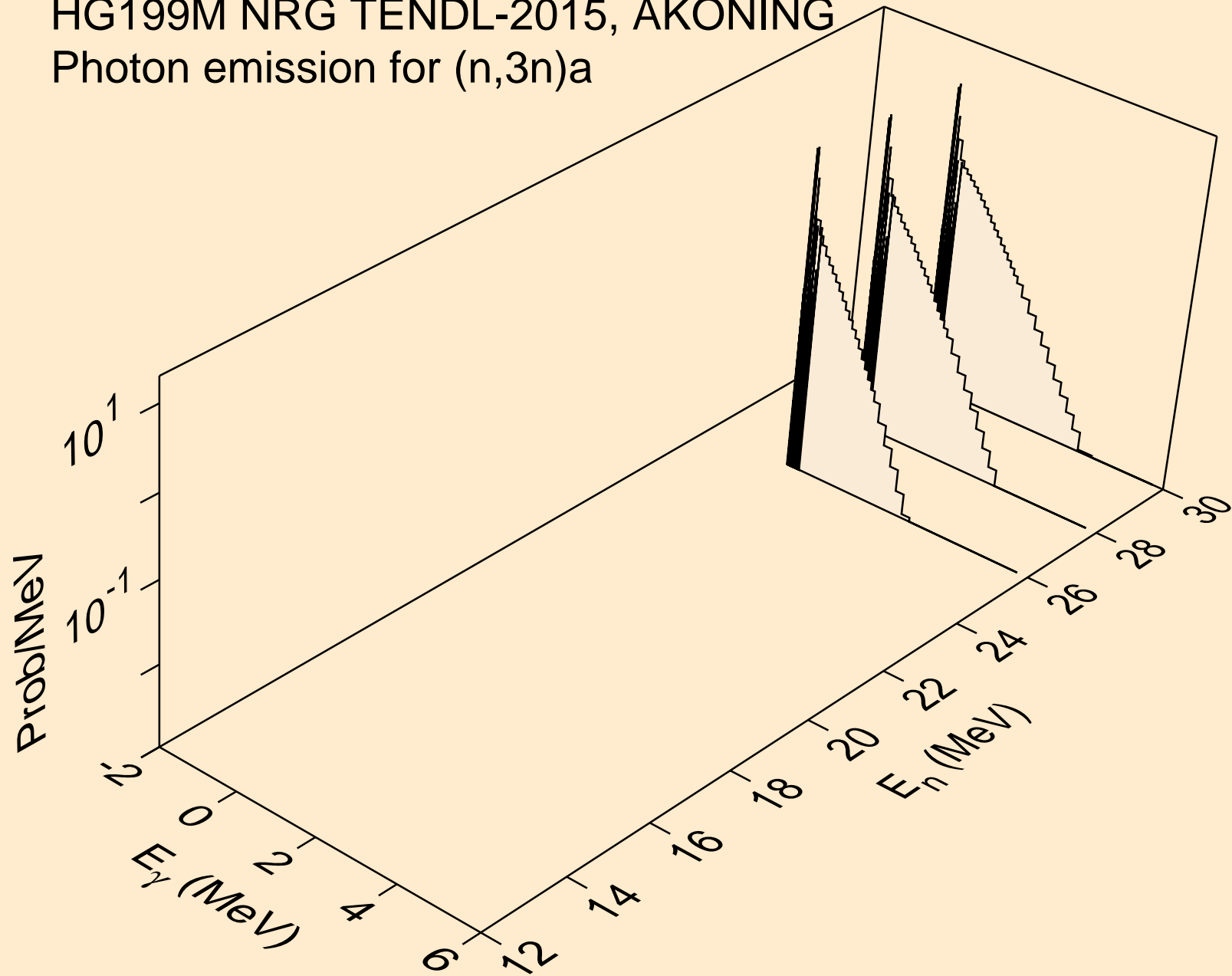
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



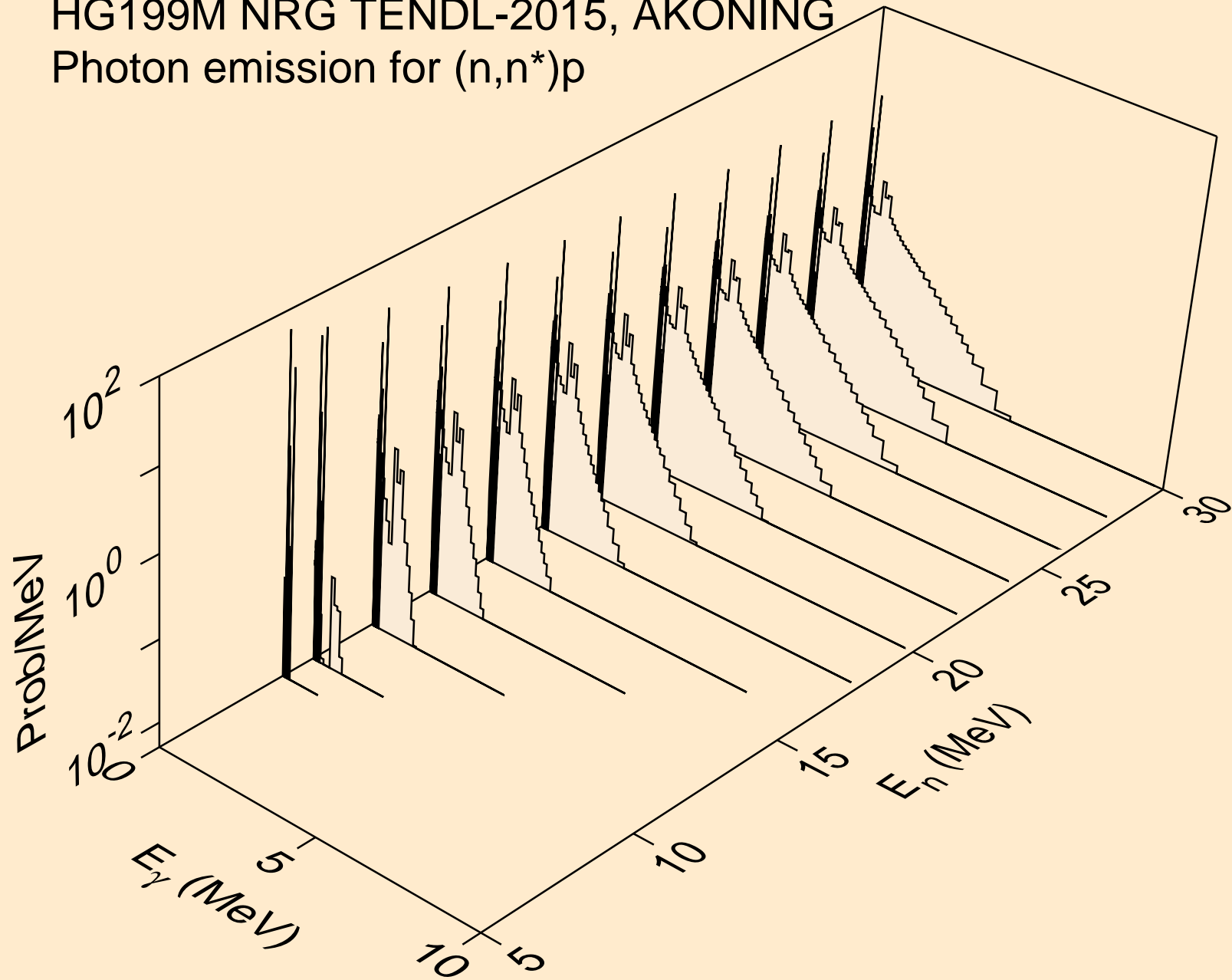
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Photon emission for (n,2n)a



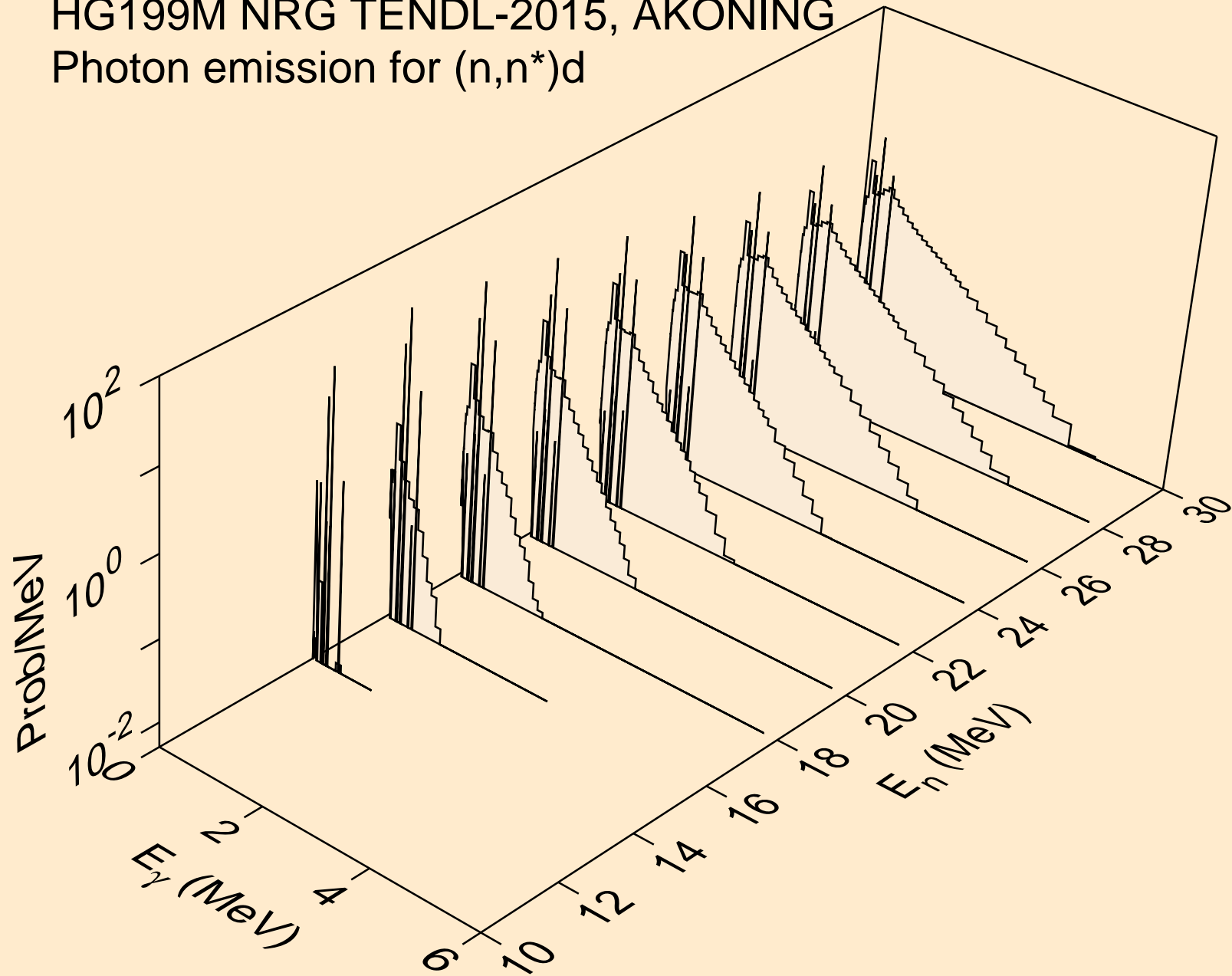
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Photon emission for (n,3n)a



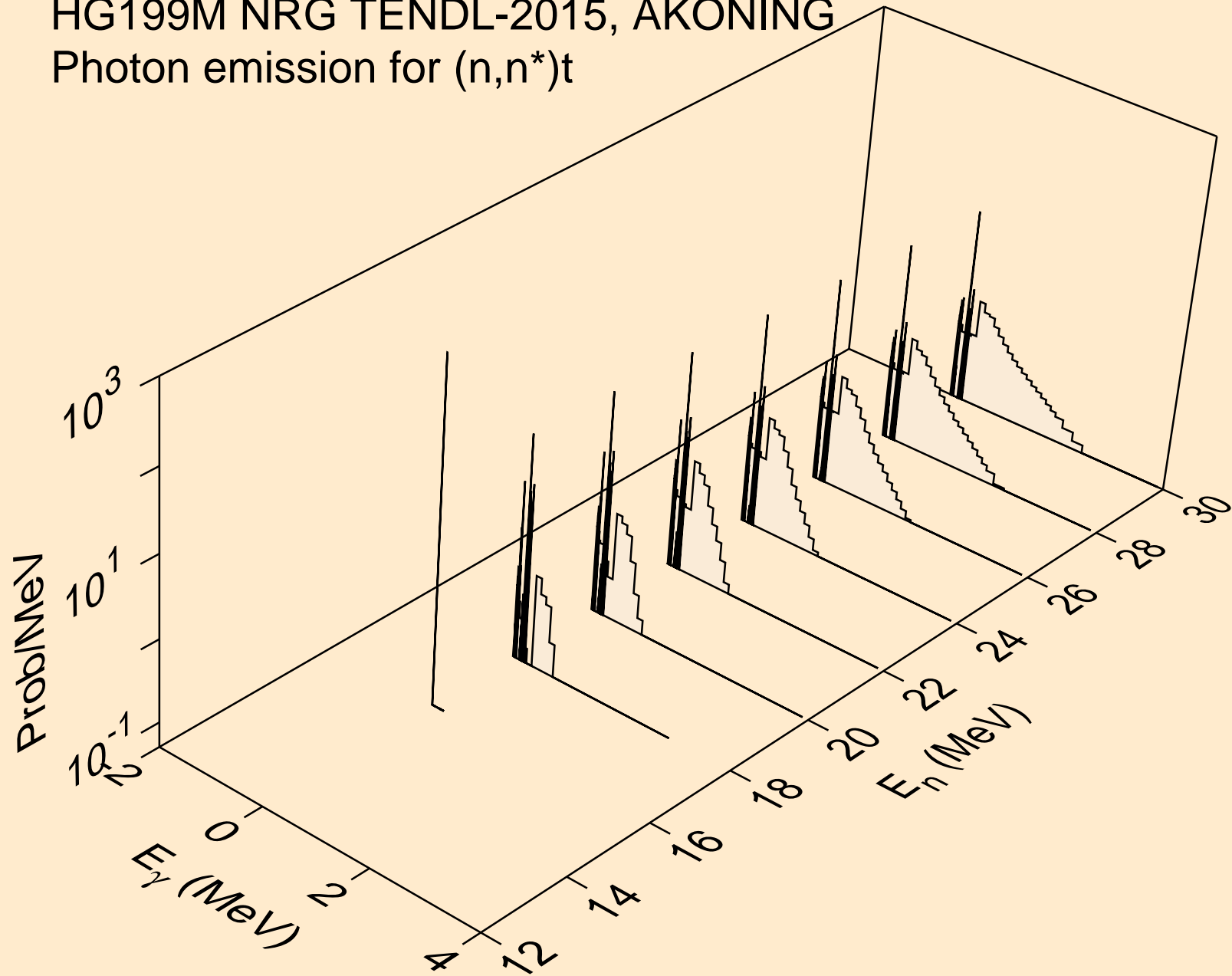
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



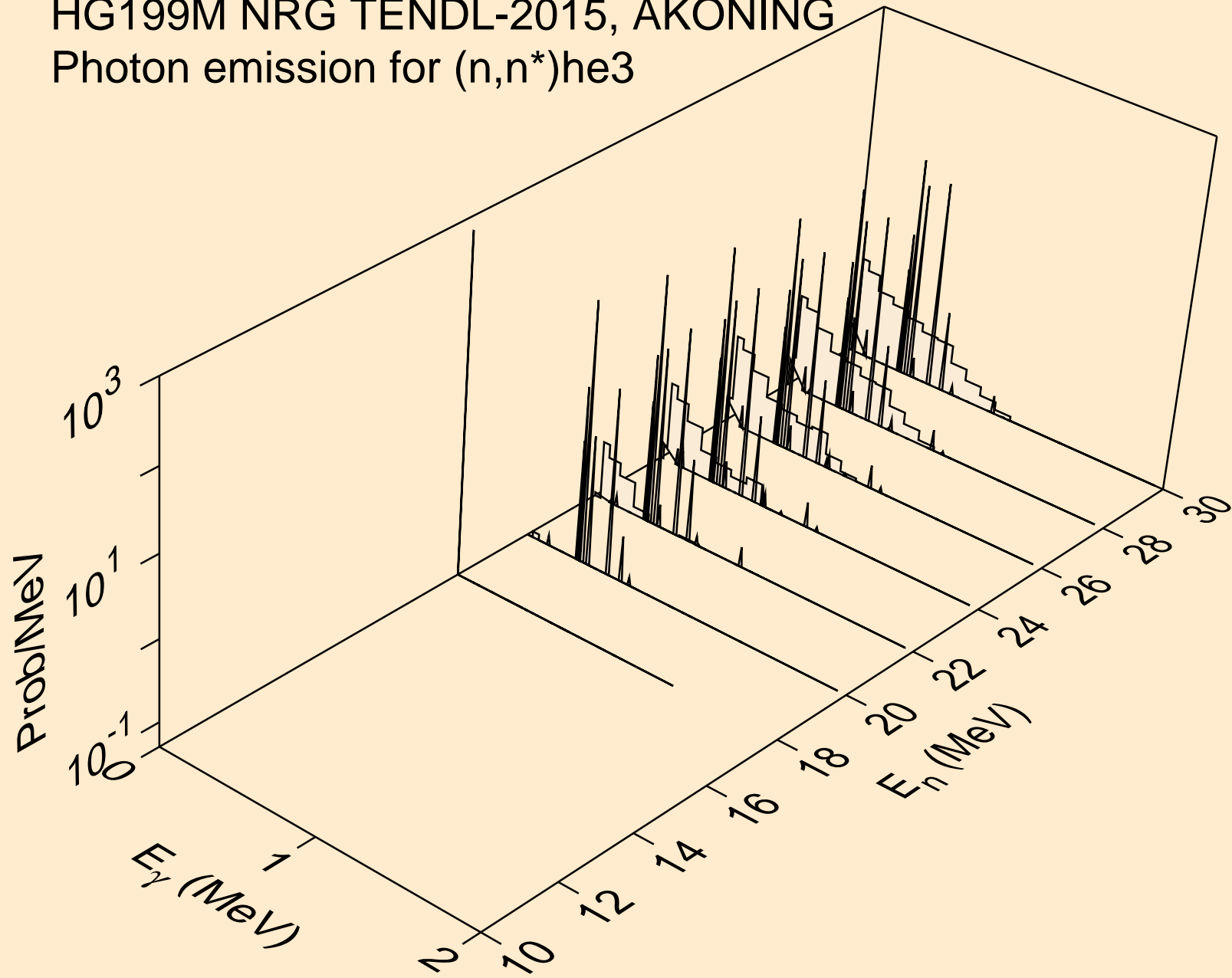
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

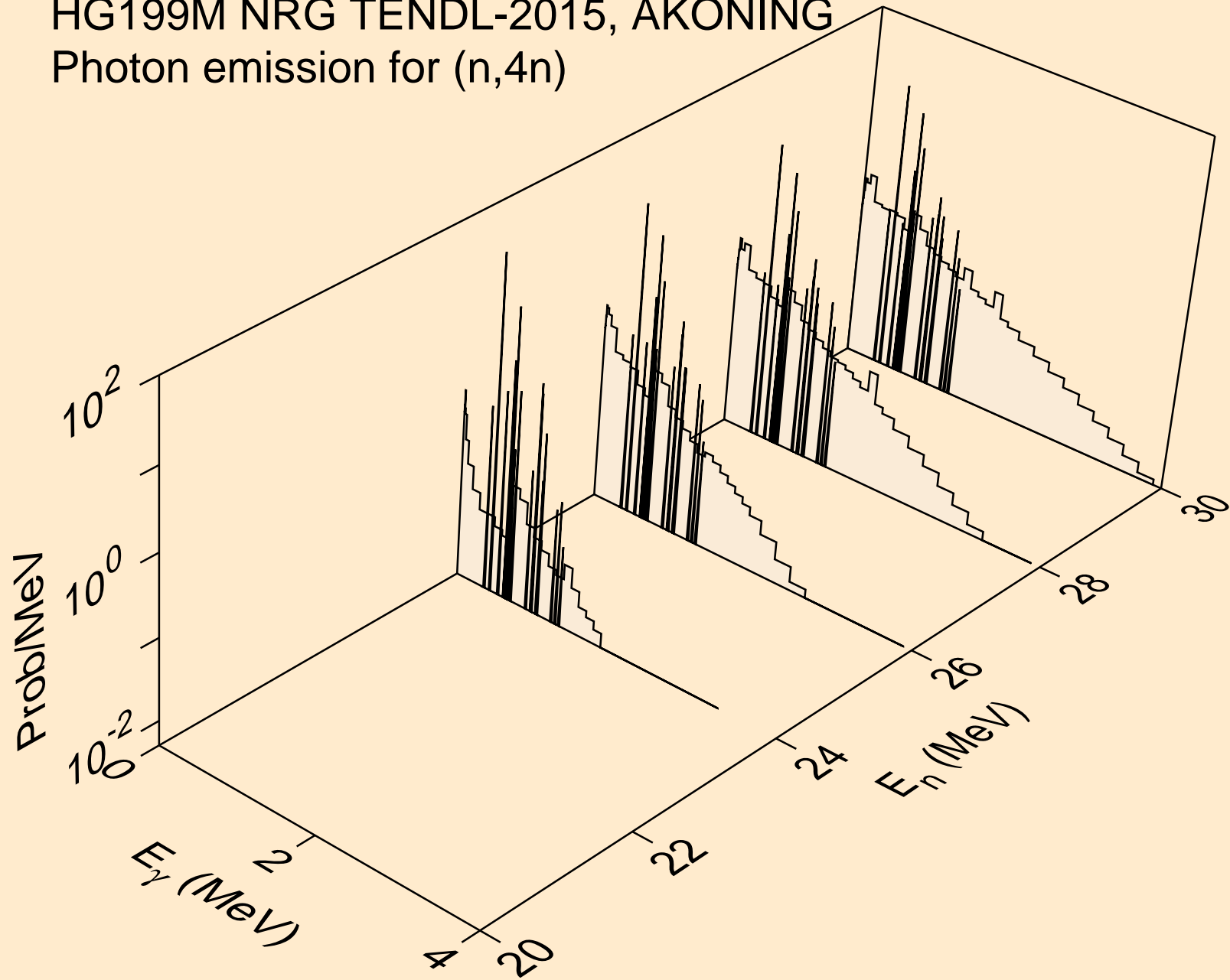


HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

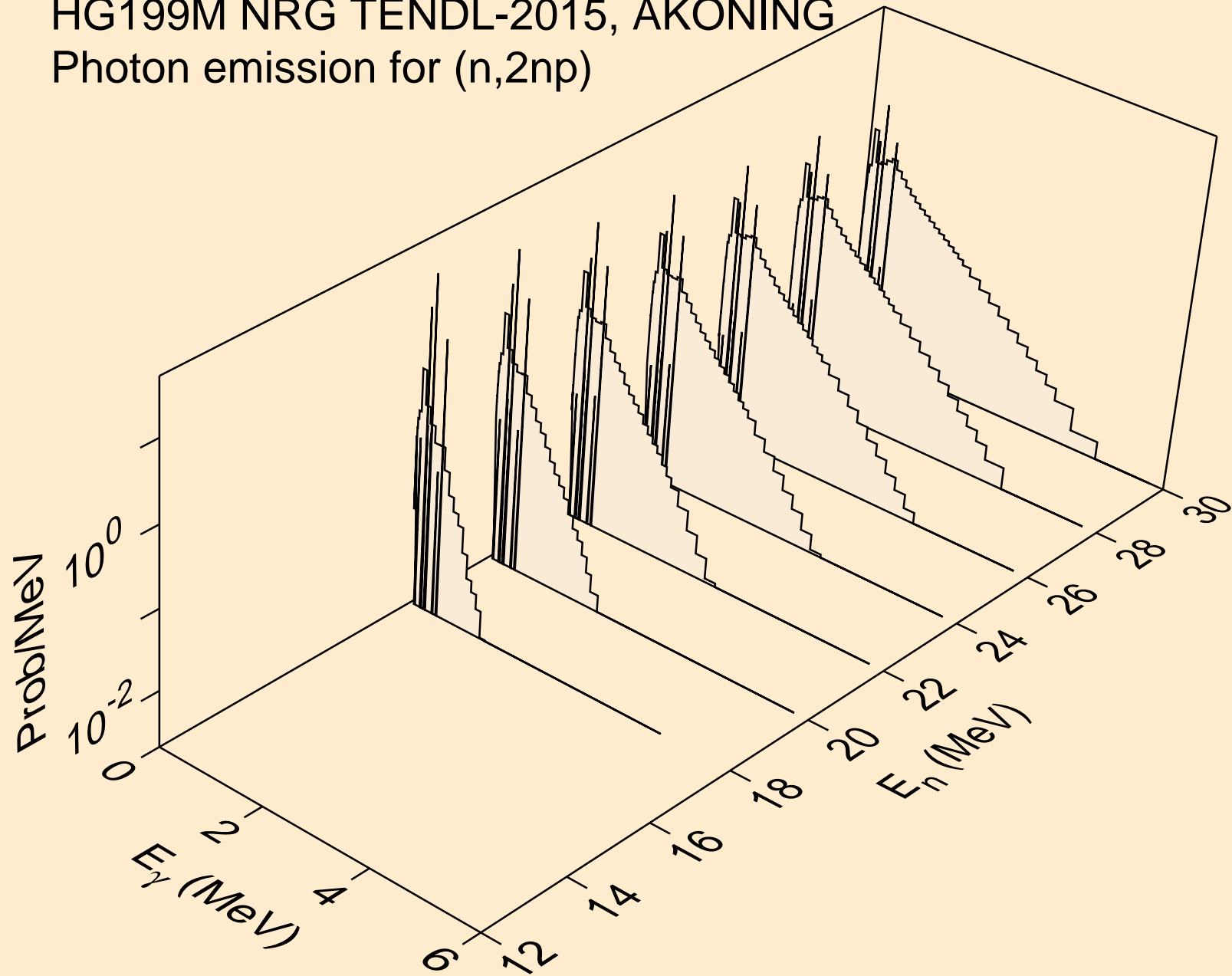




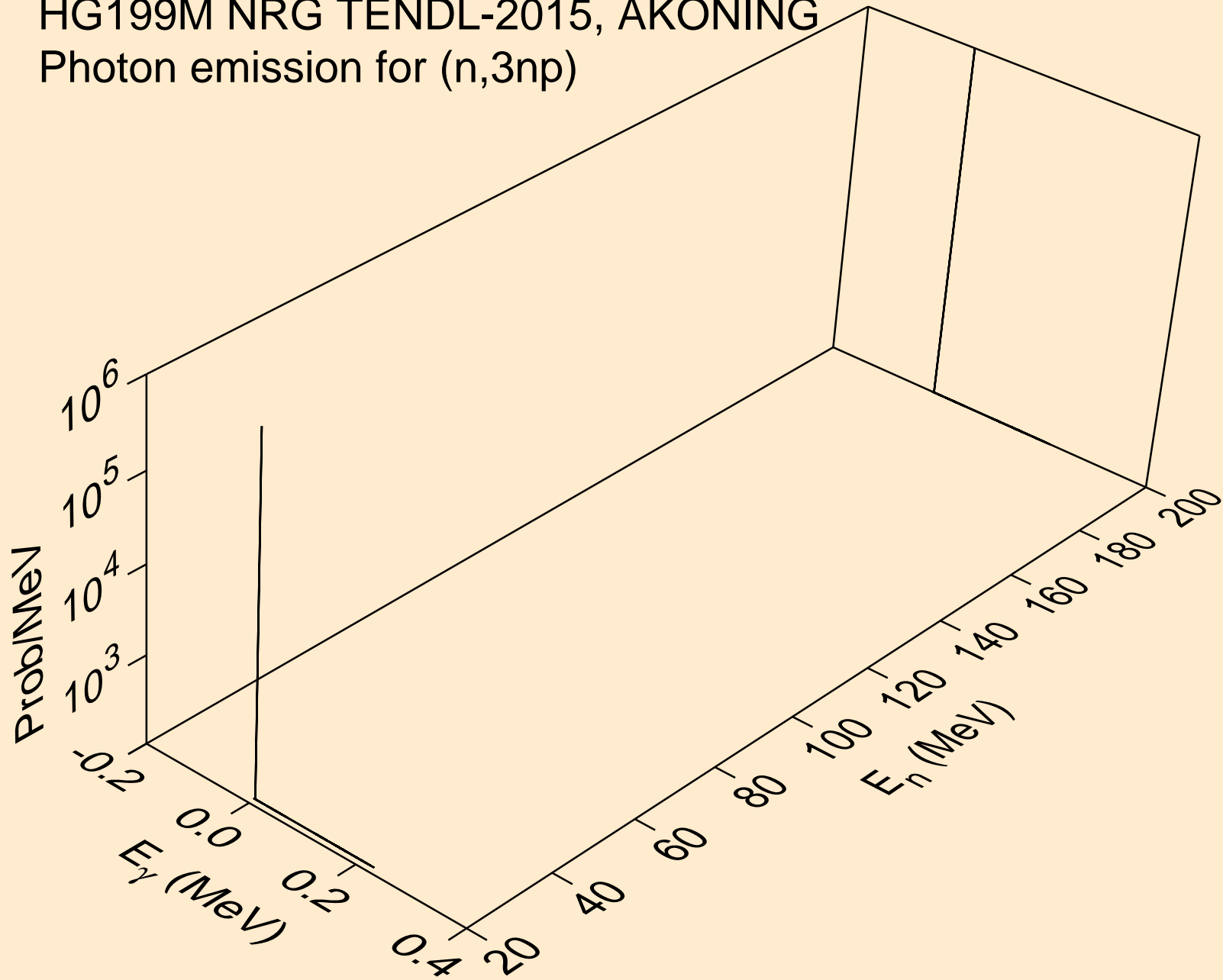
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Photon emission for (n,4n)



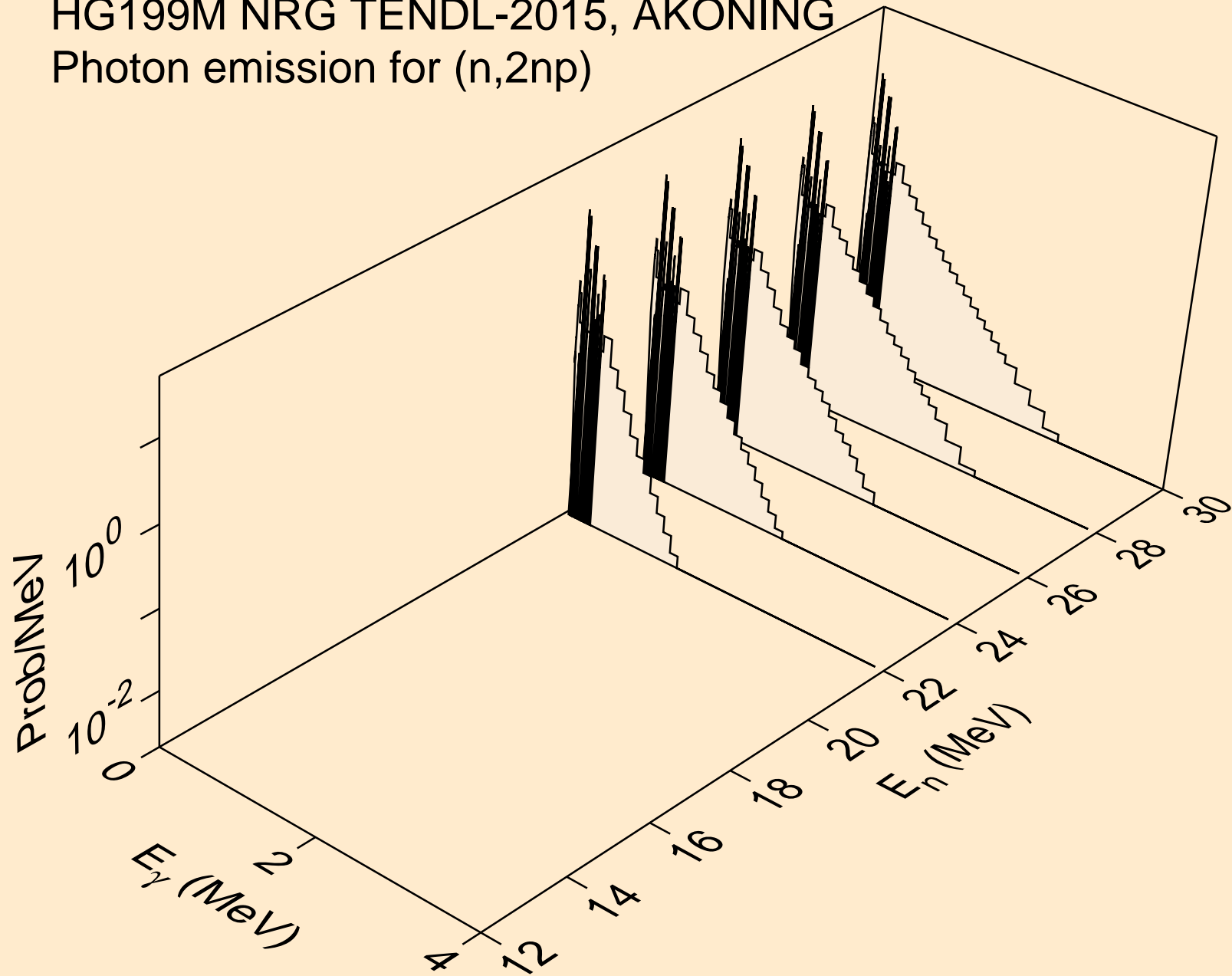
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



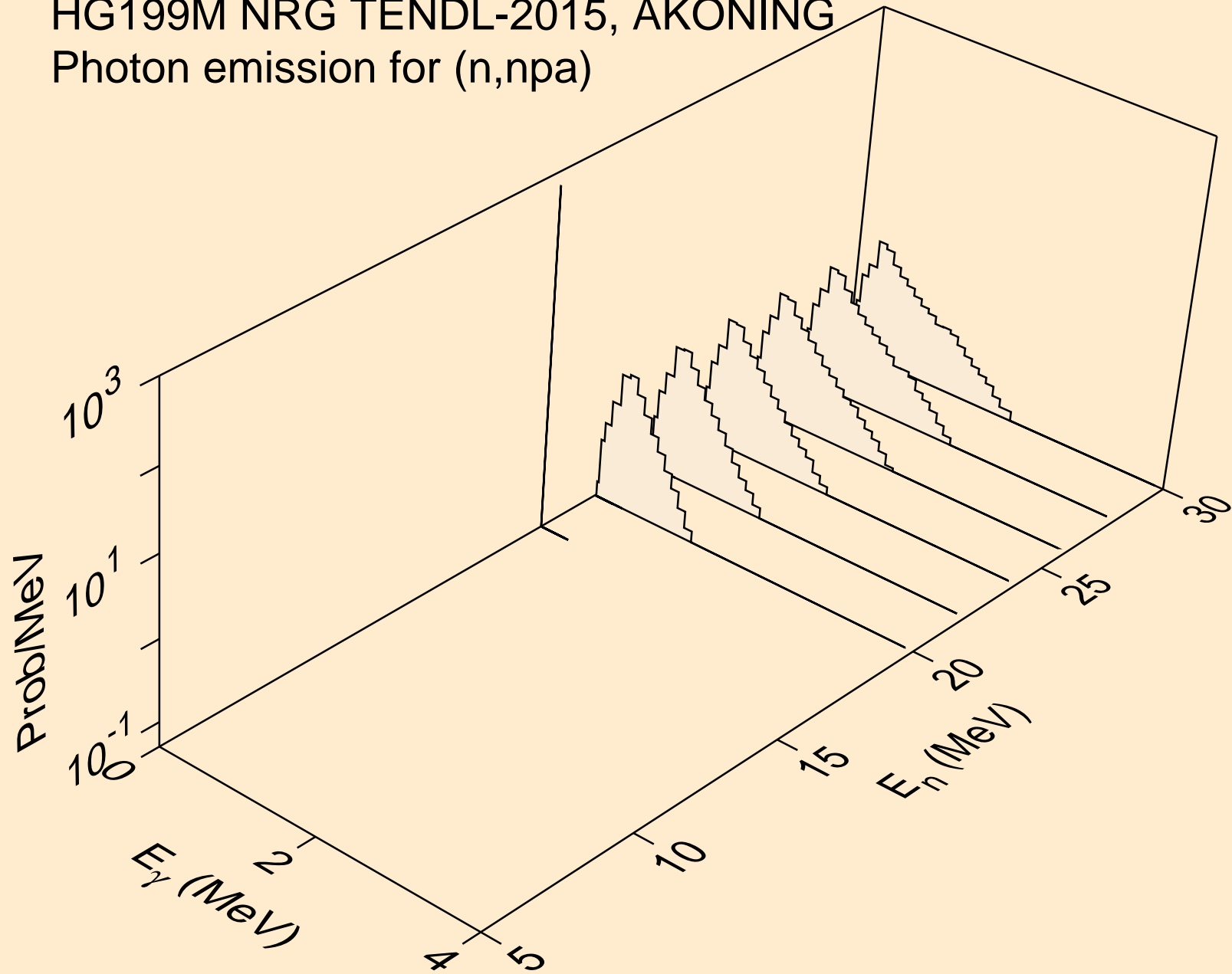
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Photon emission for (n,3np)



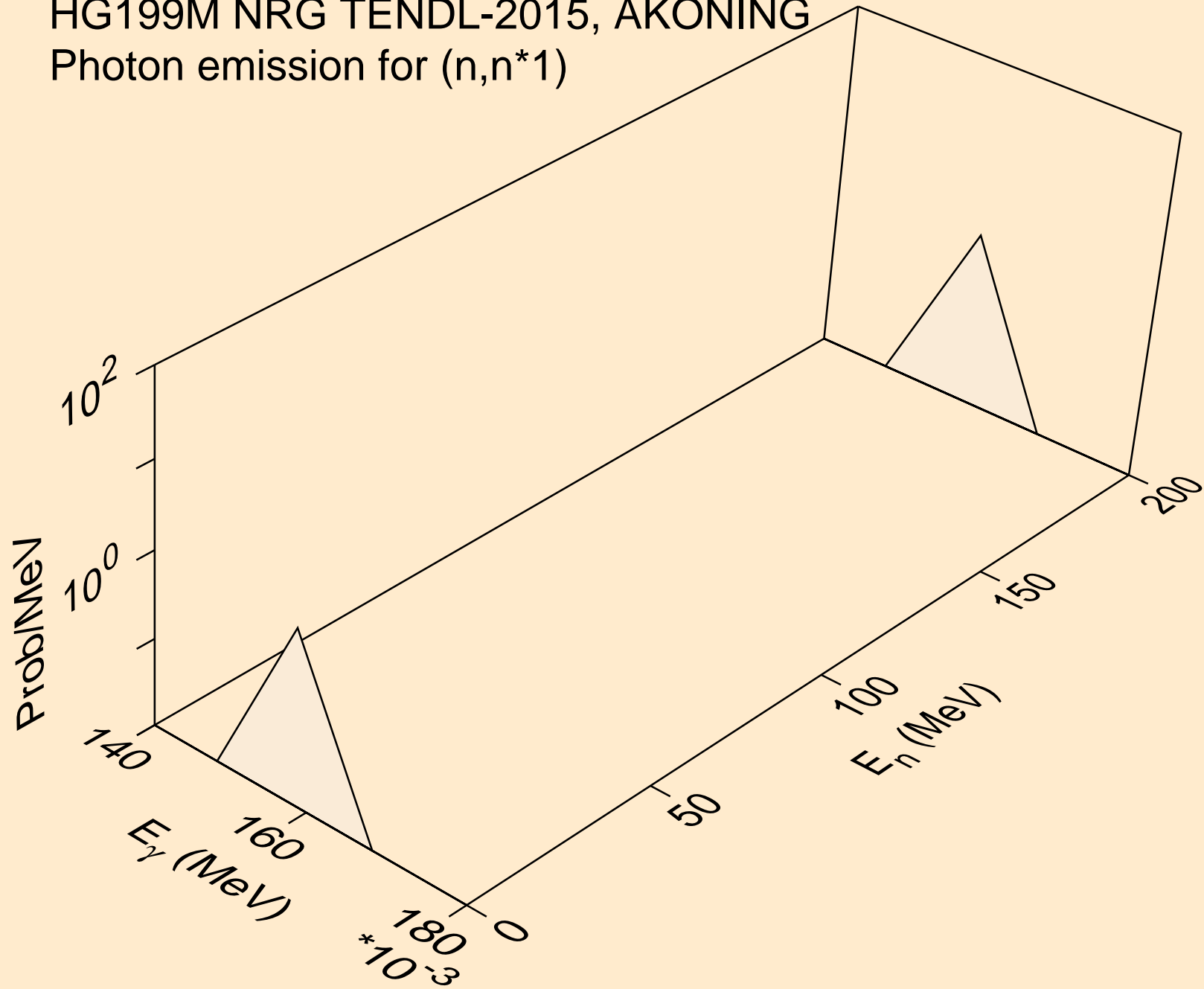
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Photon emission for (n,2np)



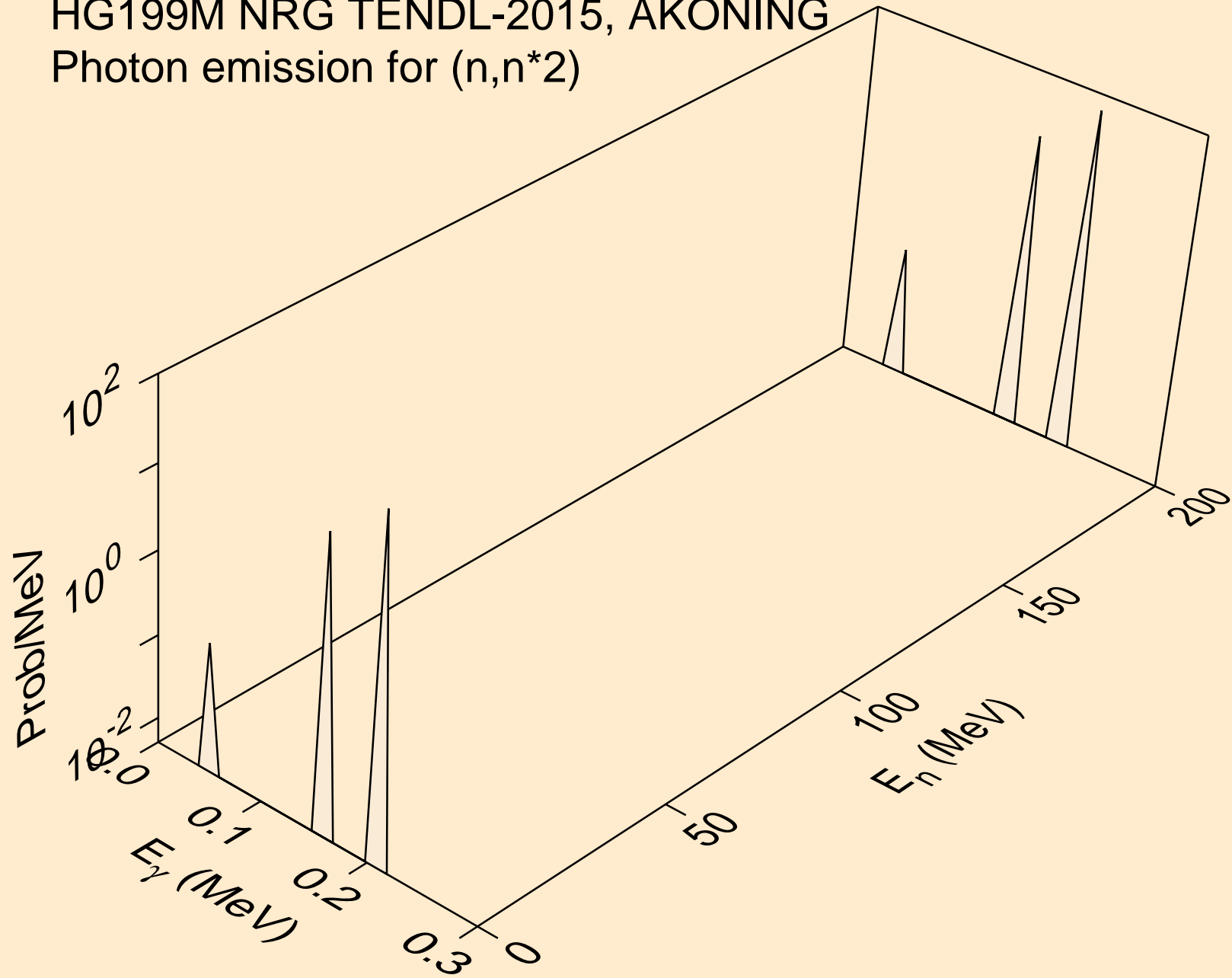
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



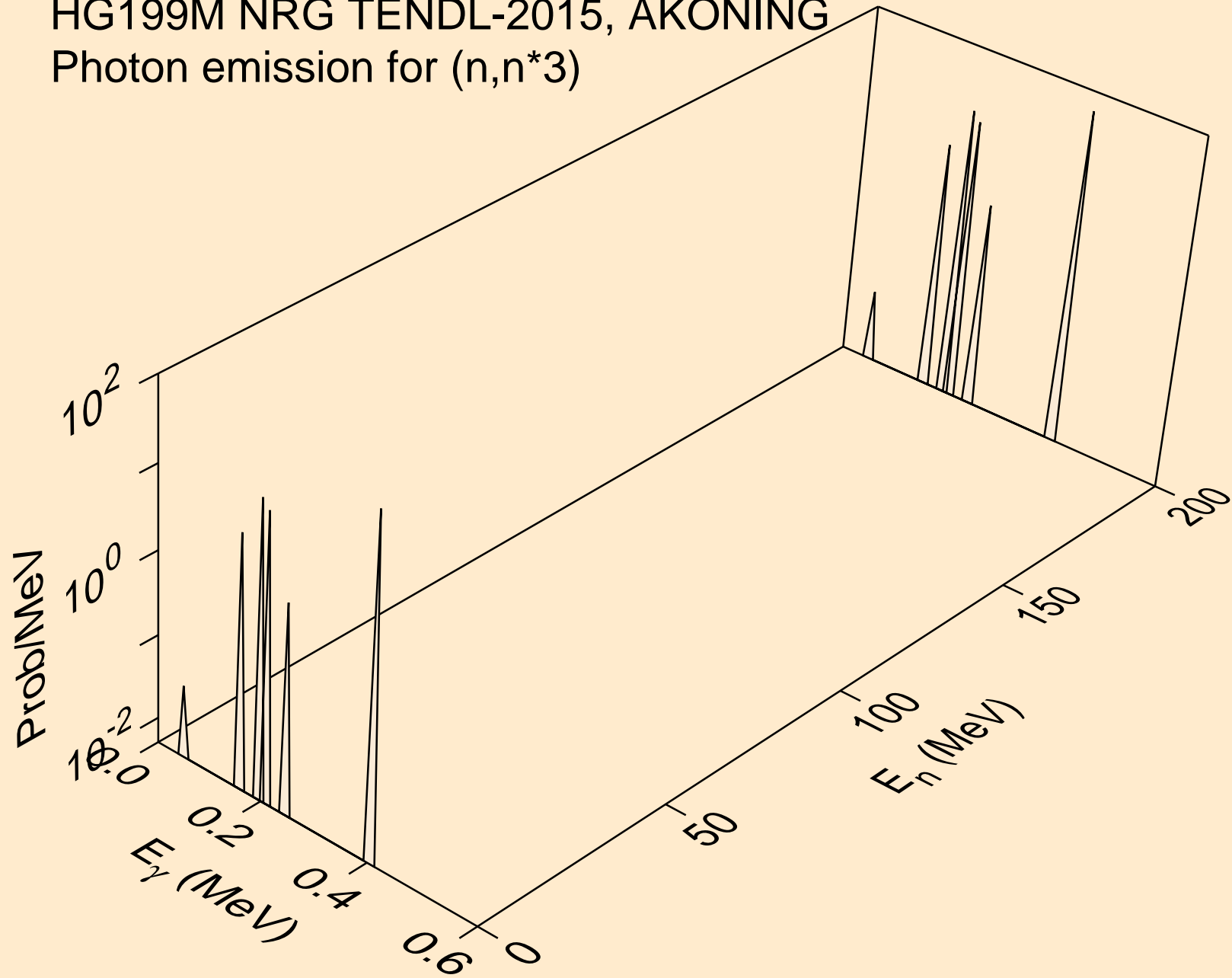
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*1)



HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*2)

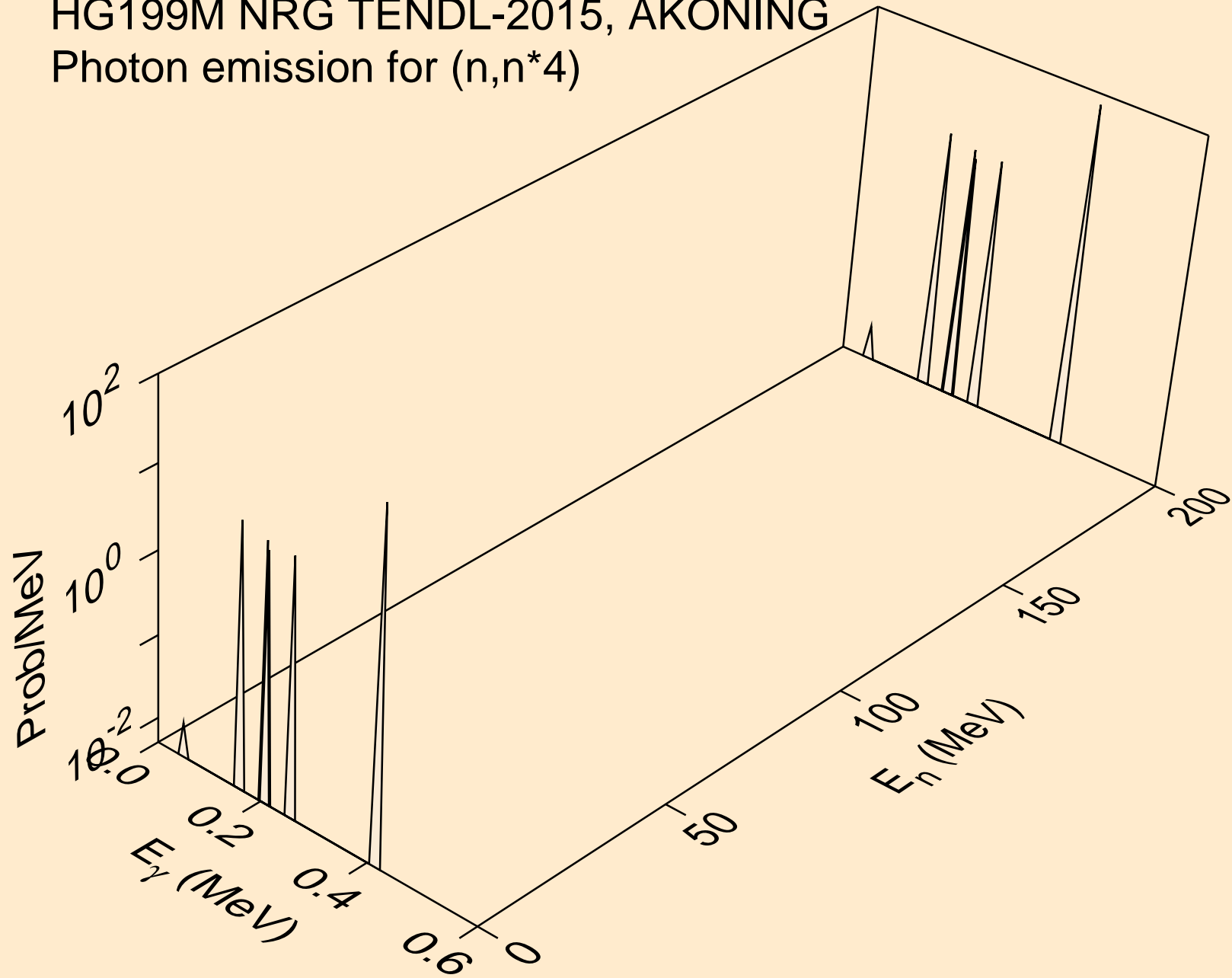


HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*3)

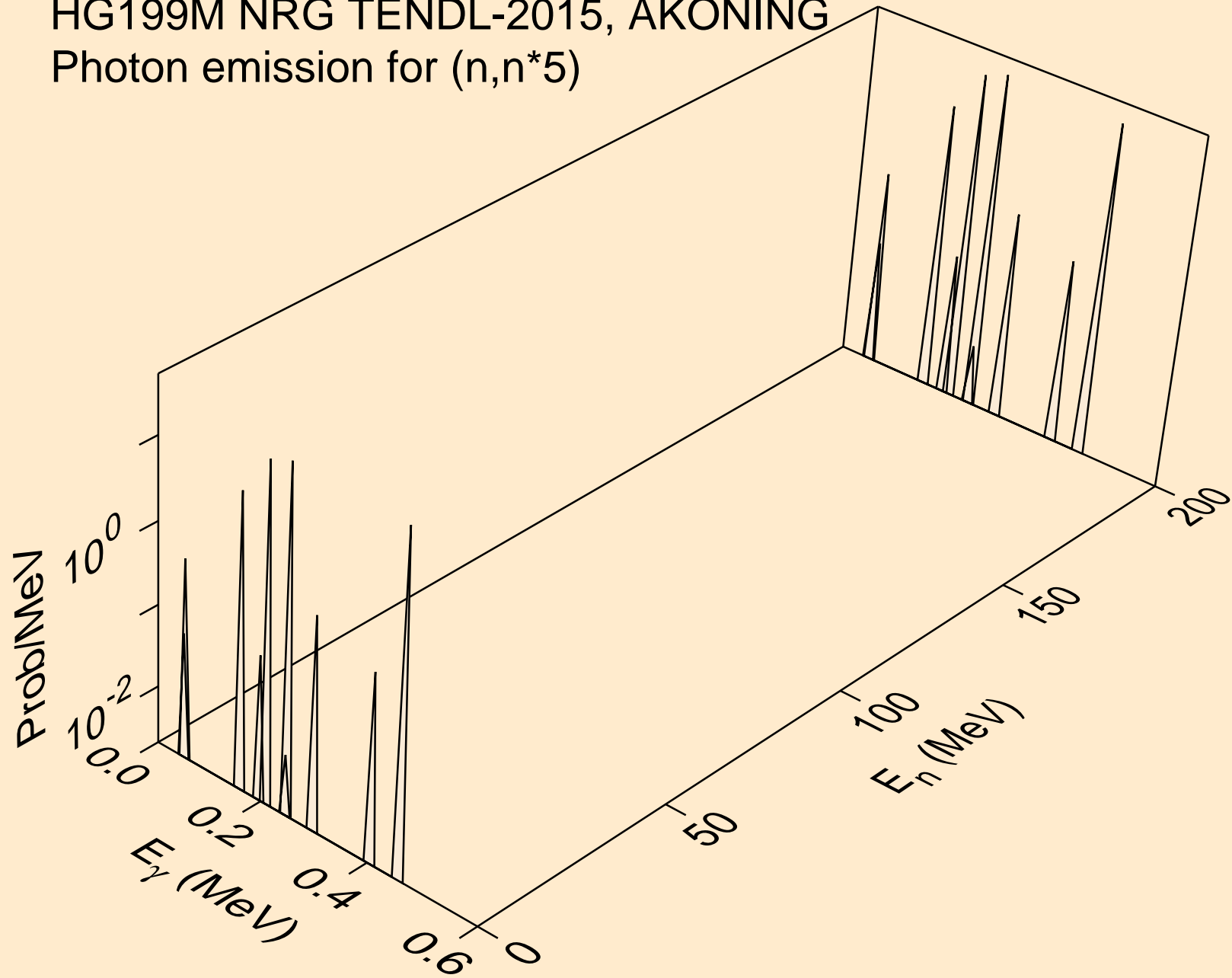




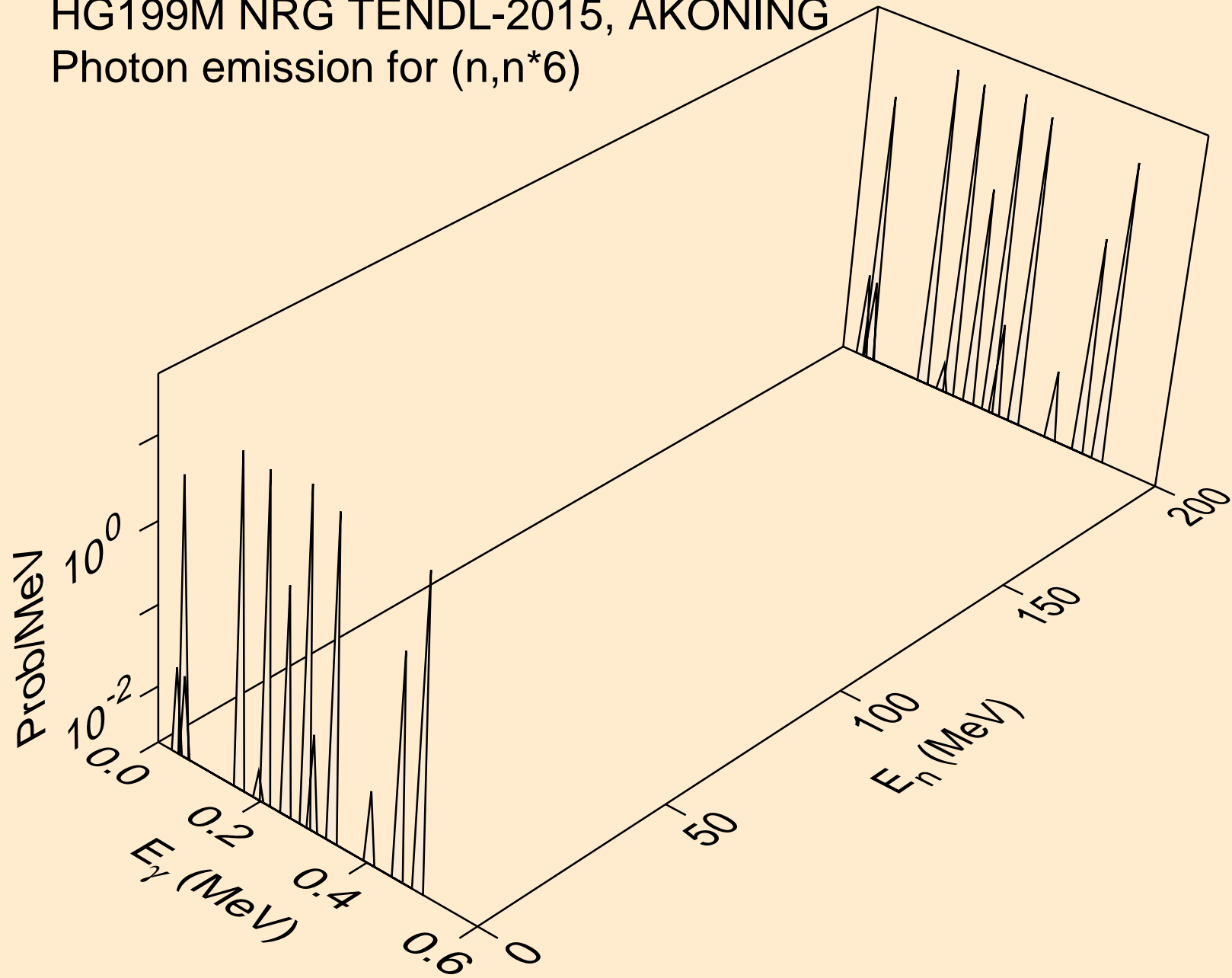
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Photon emission for (n,n\*4)



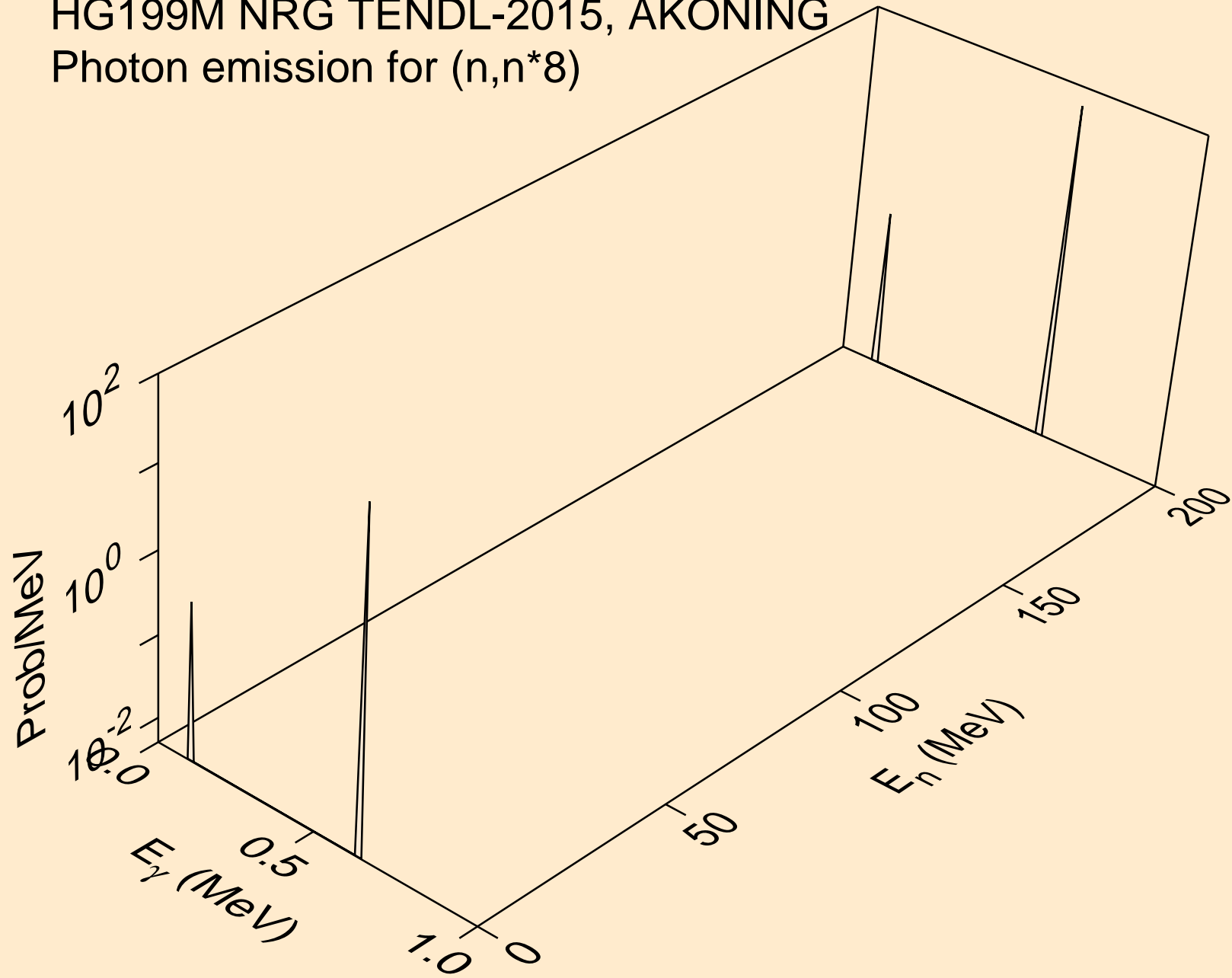
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Photon emission for (n,n\*5)



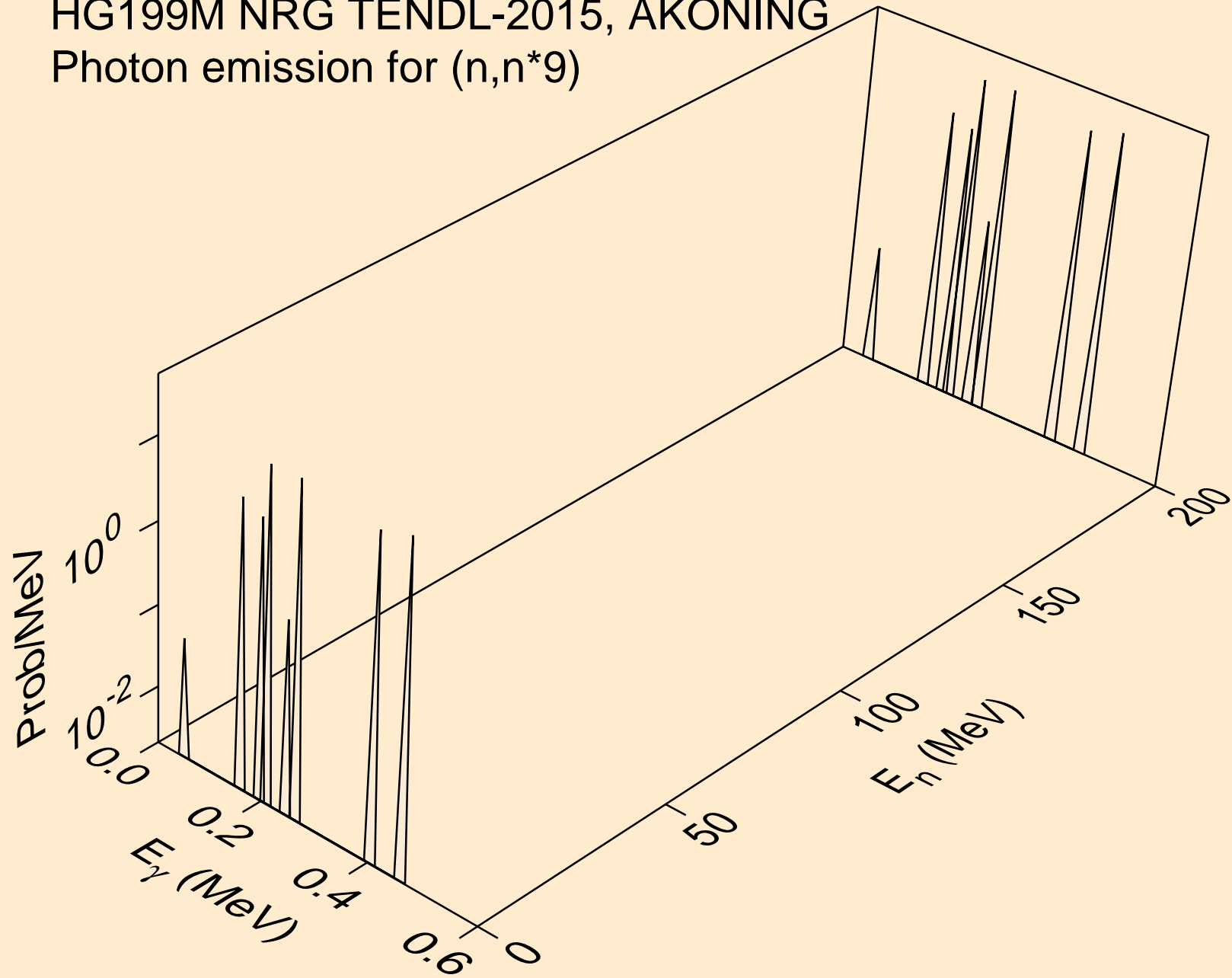
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Photon emission for (n,n\*6)



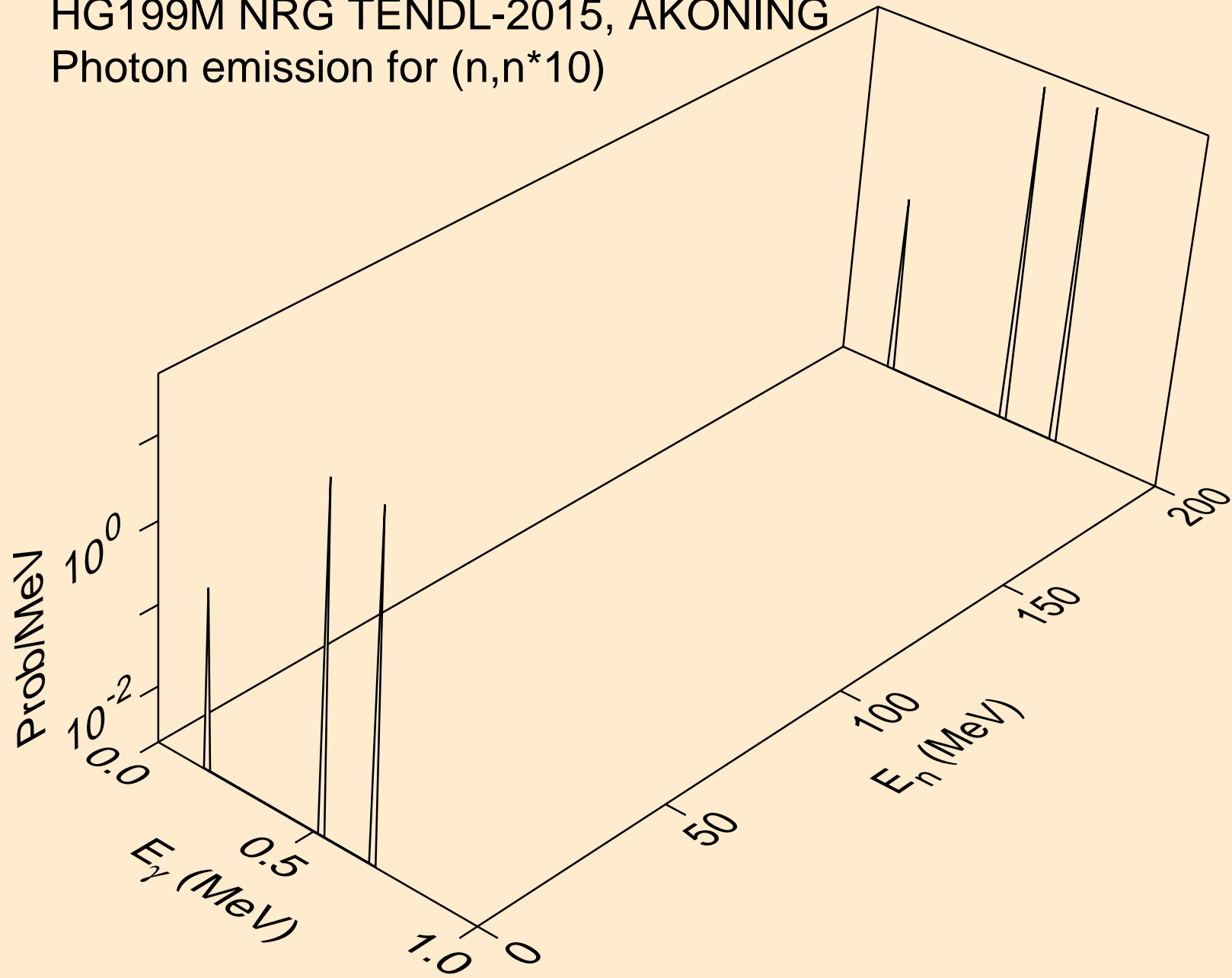
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Photon emission for (n,n\*8)



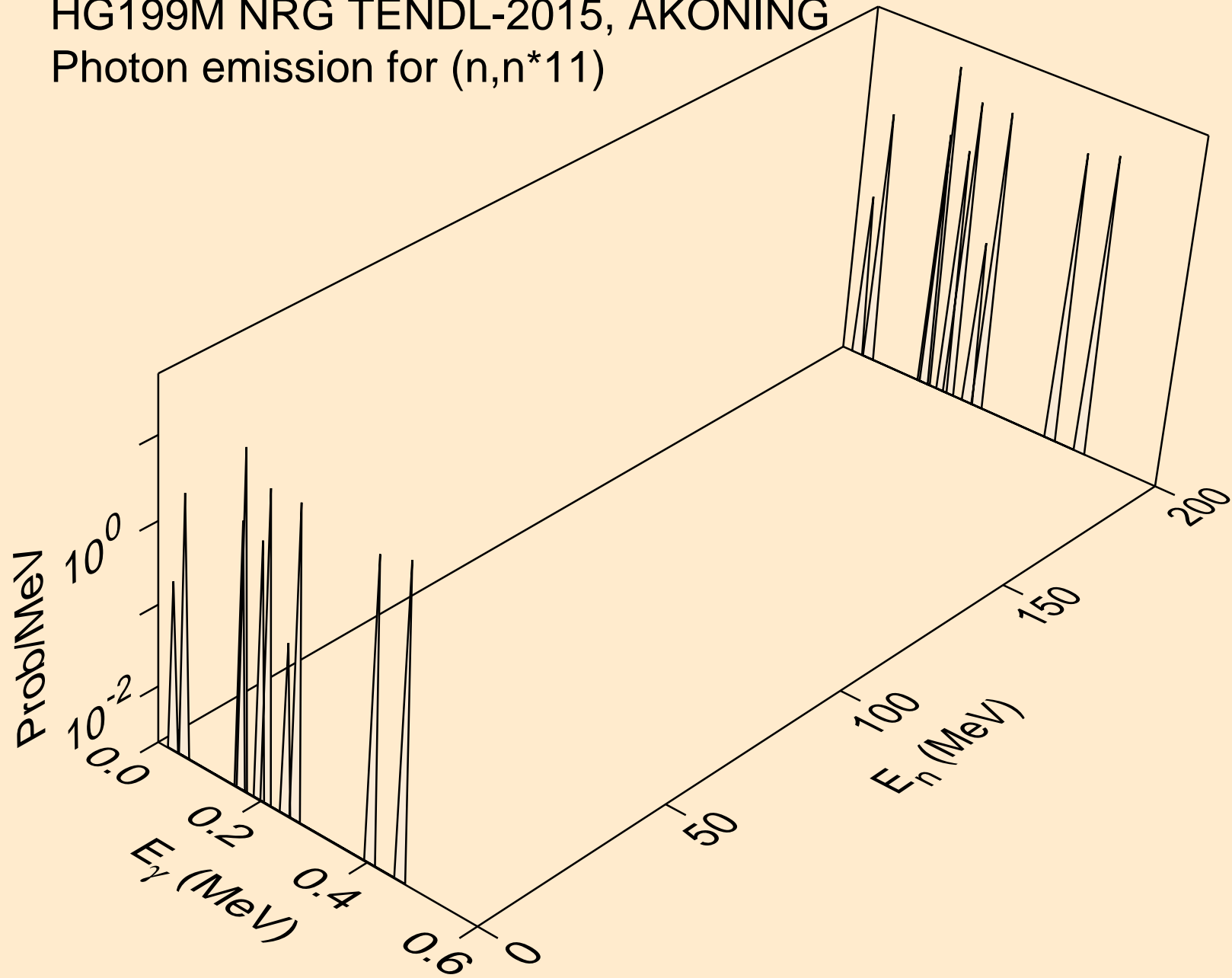
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Photon emission for (n,n\*9)



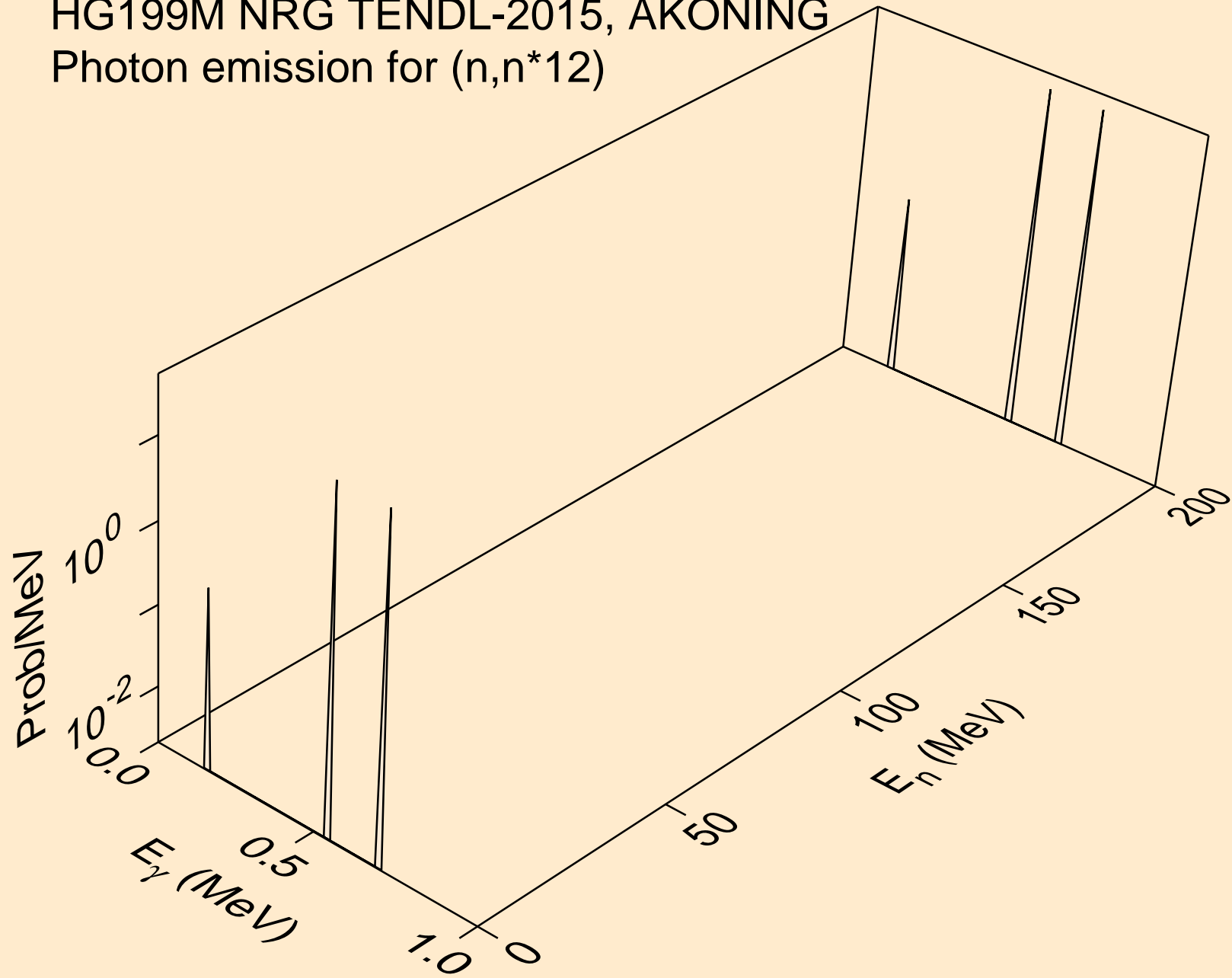
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*10)



HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*11)

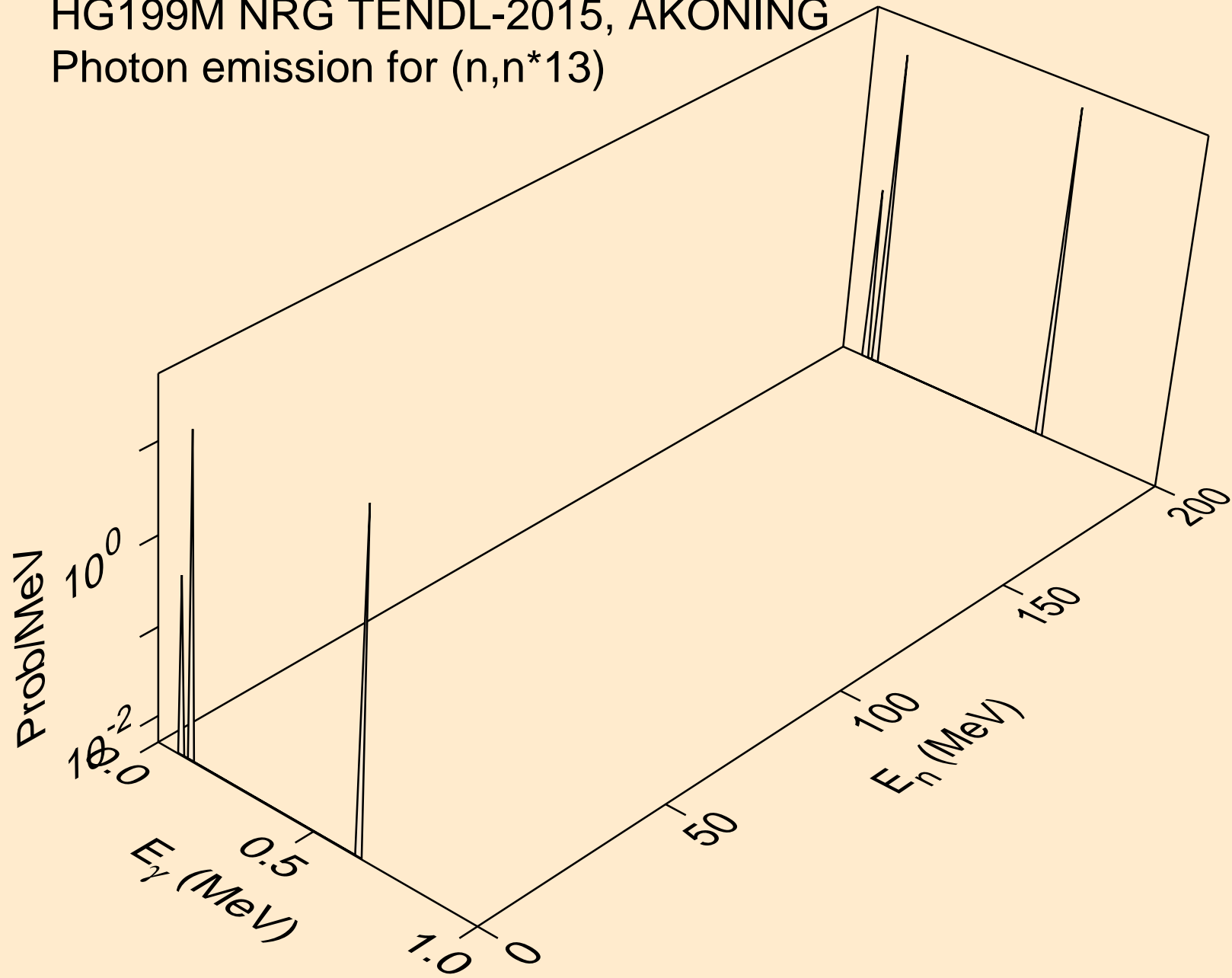


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Photon emission for (n,n\*12)

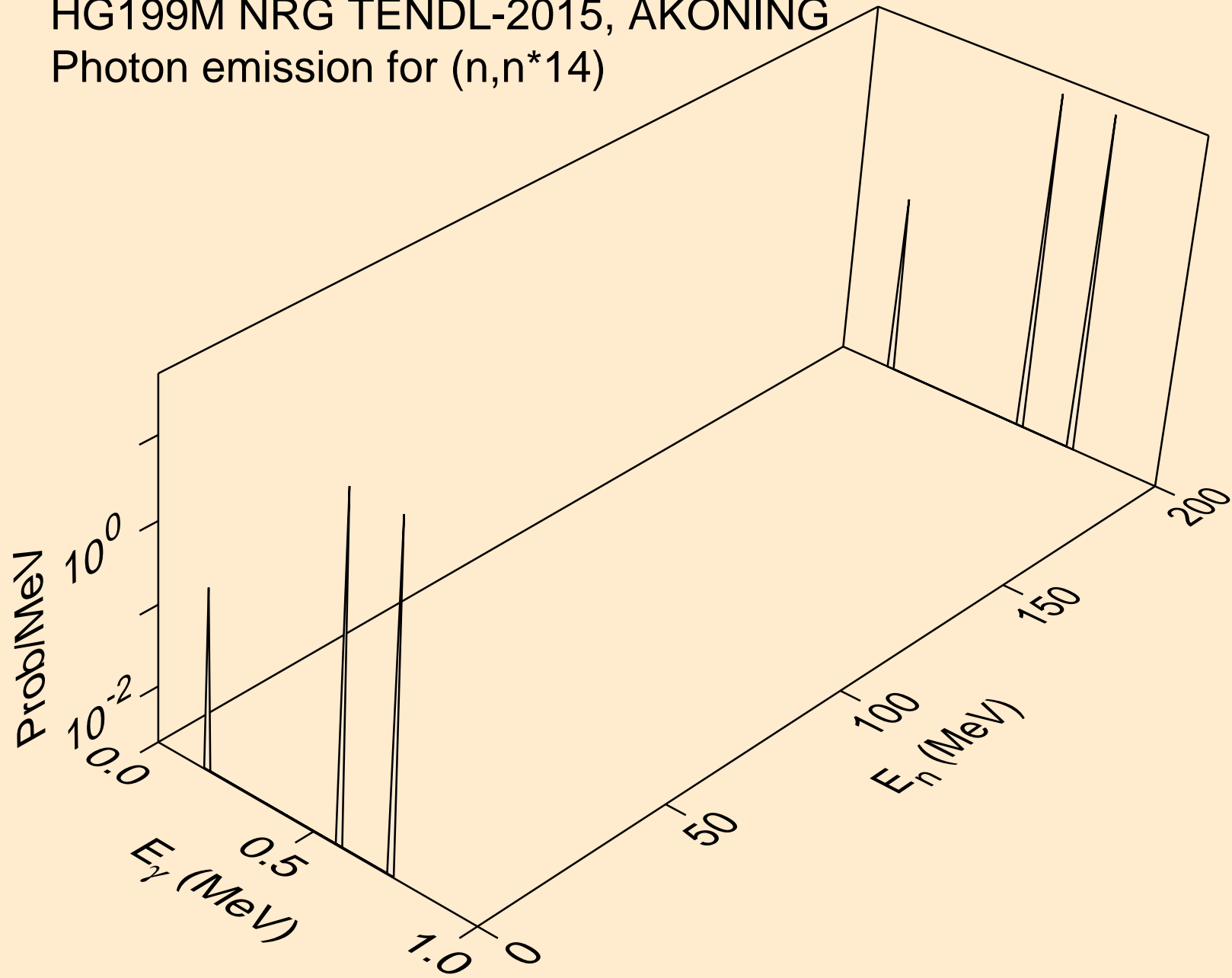




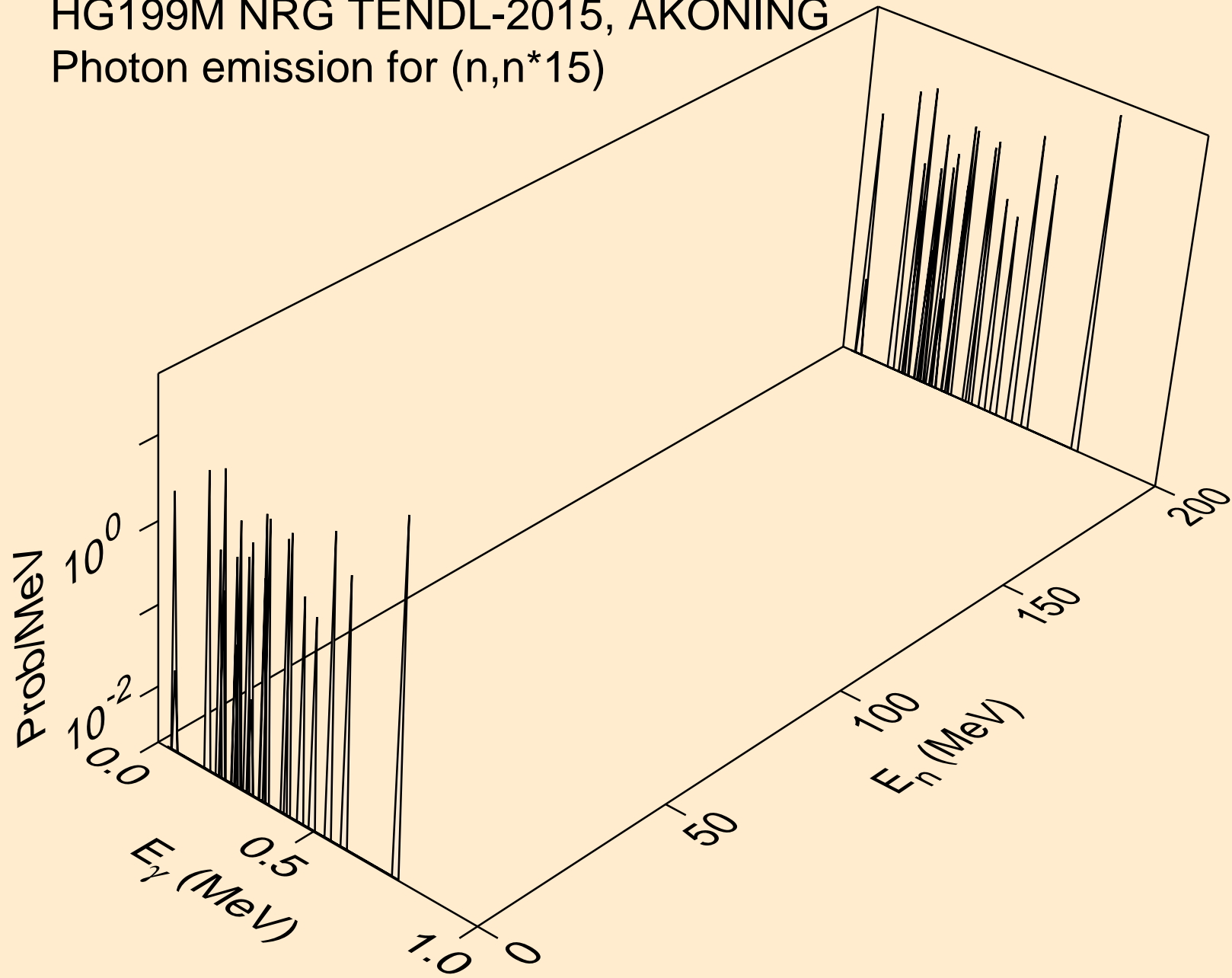
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Photon emission for (n,n\*13)



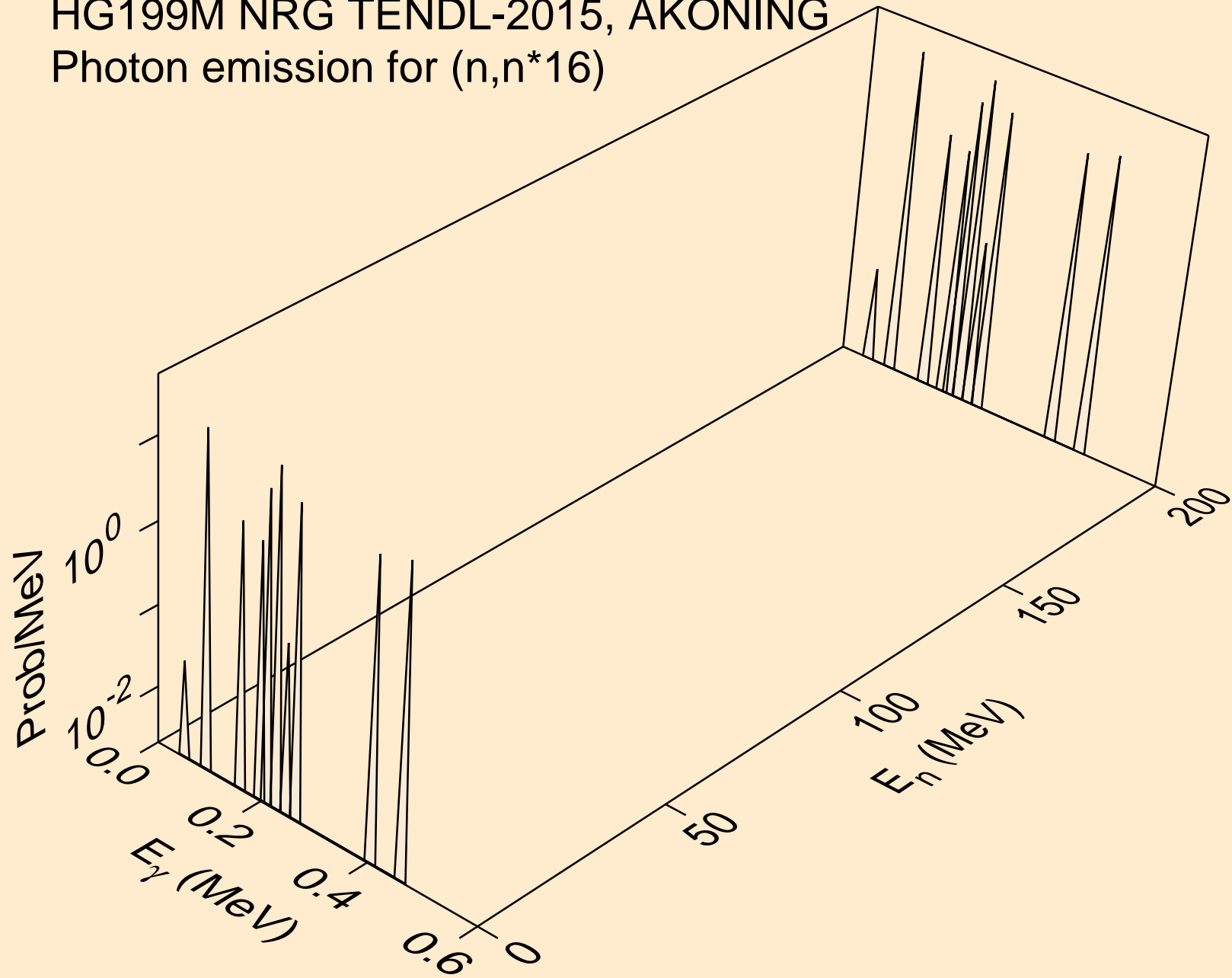
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Photon emission for (n,n\*14)



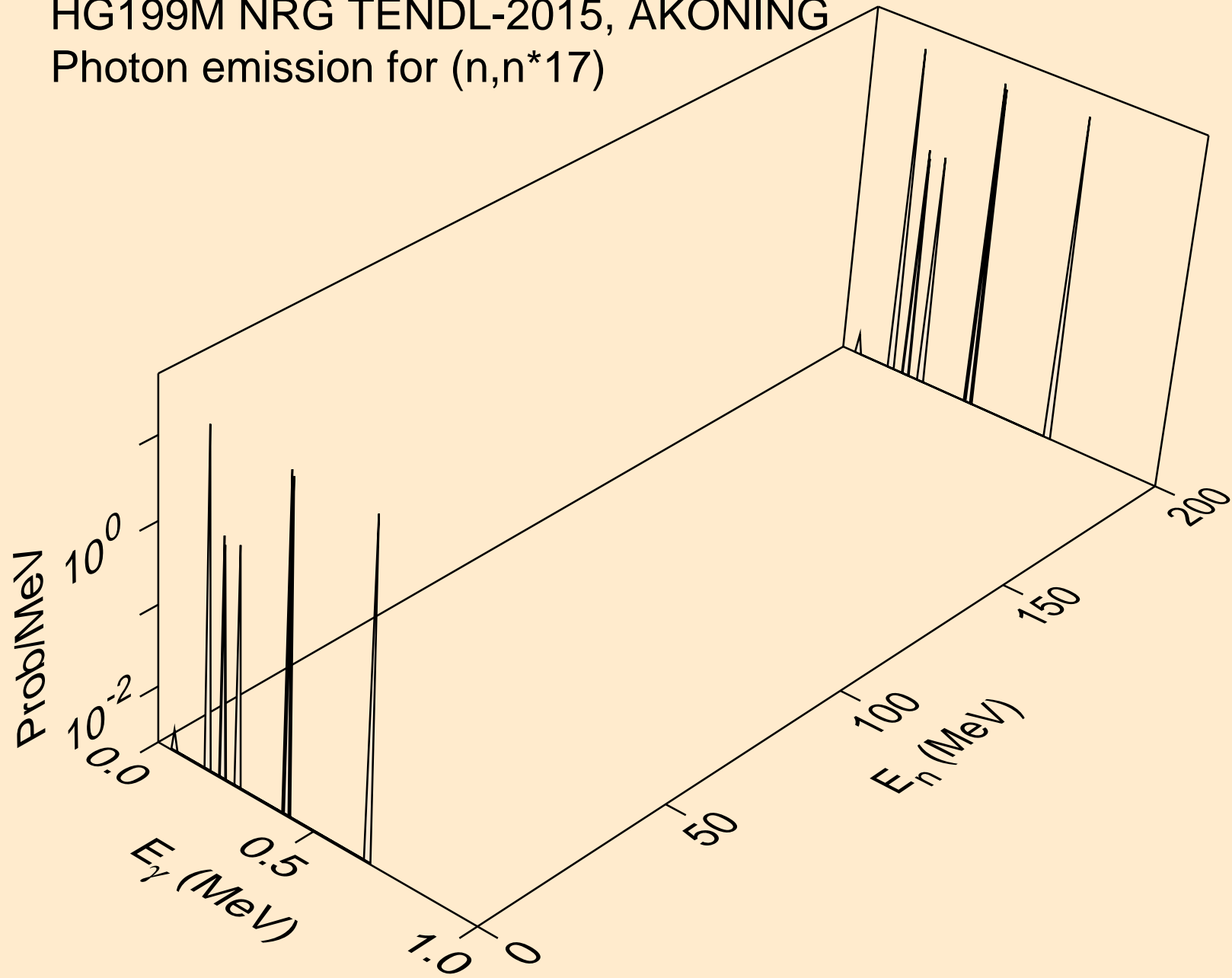
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Photon emission for (n,n\*15)



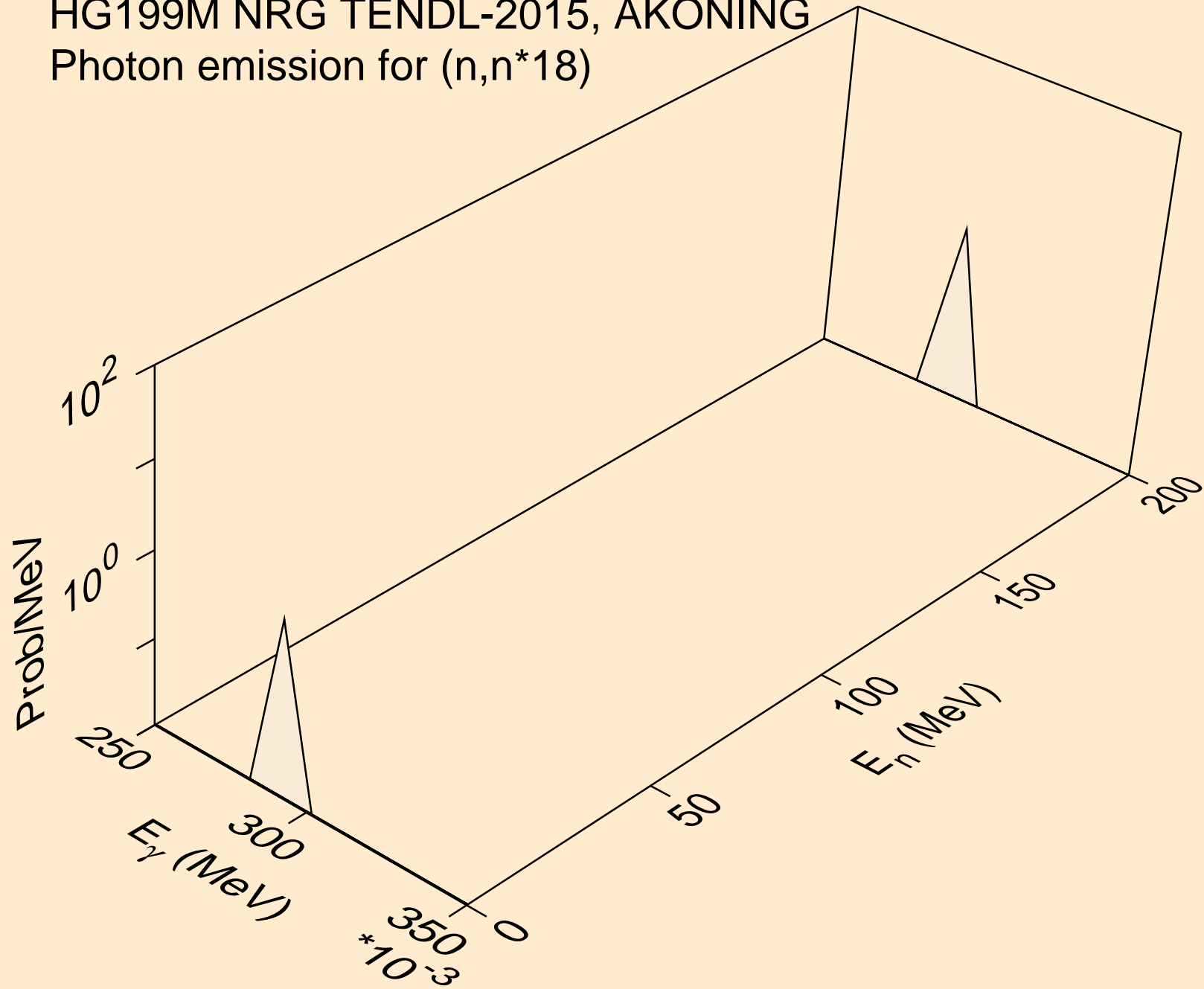
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Photon emission for (n,n\*16)



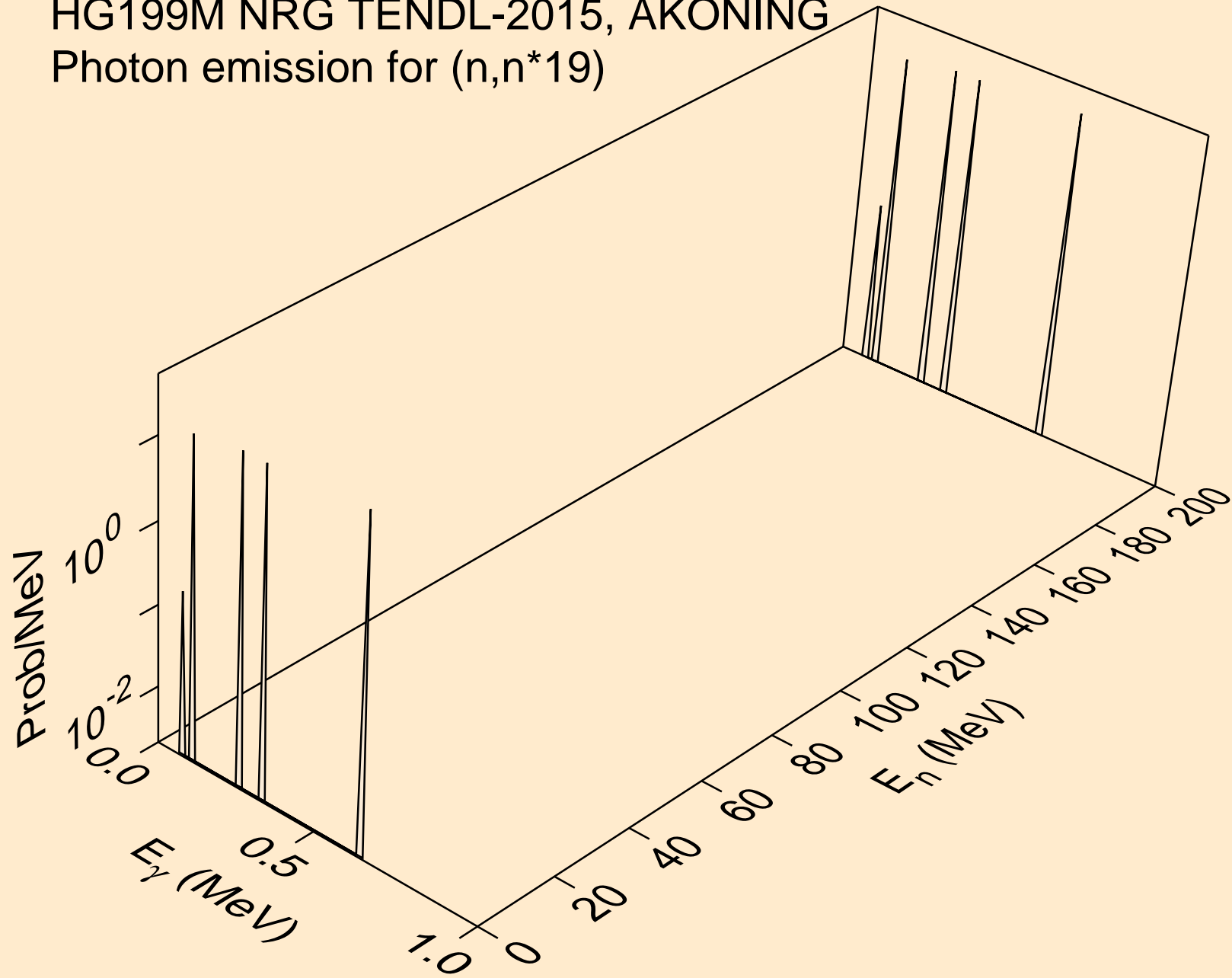
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Photon emission for (n,n\*17)



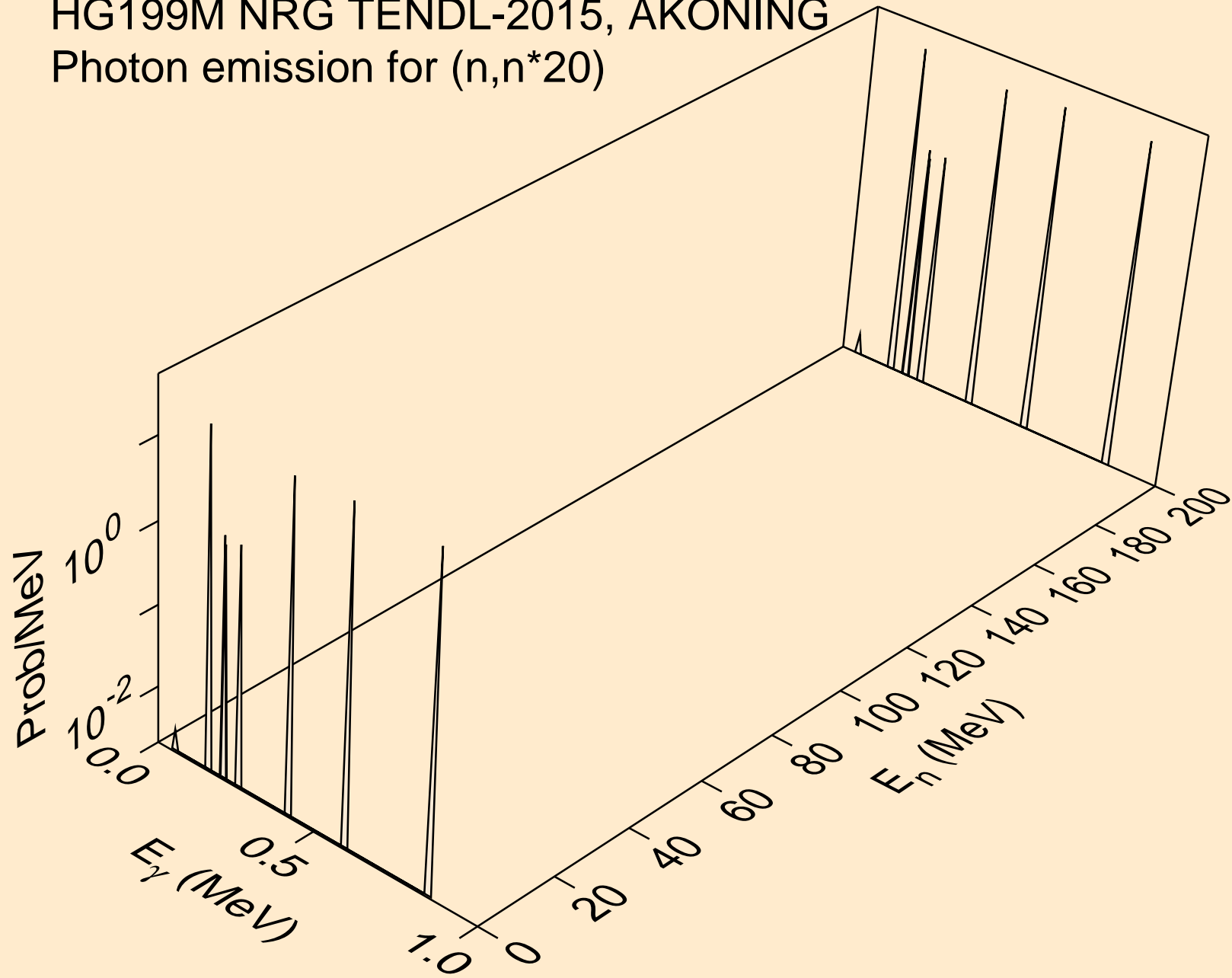
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Photon emission for (n,n\*18)



HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*19)

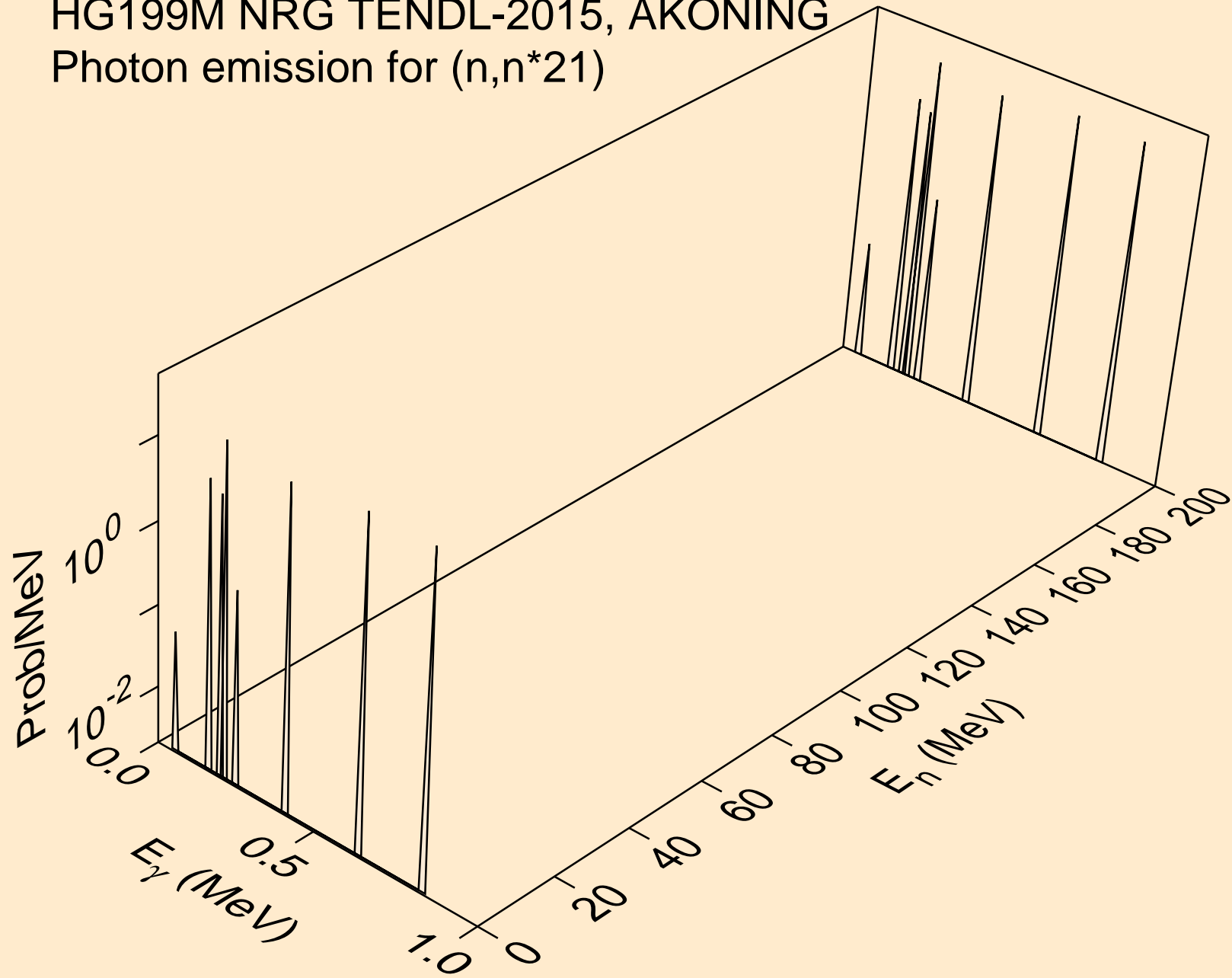


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Photon emission for (n,n\*20)

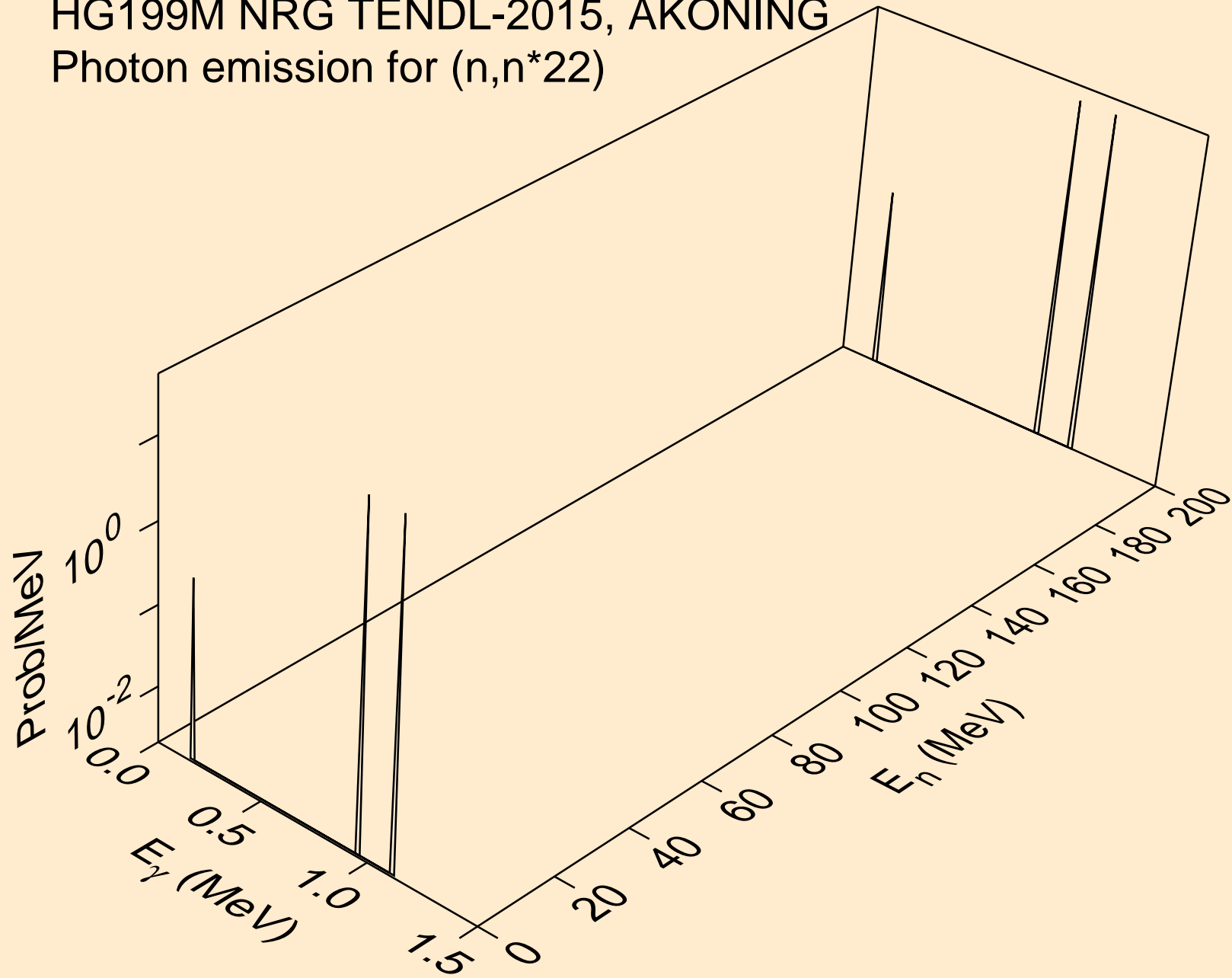




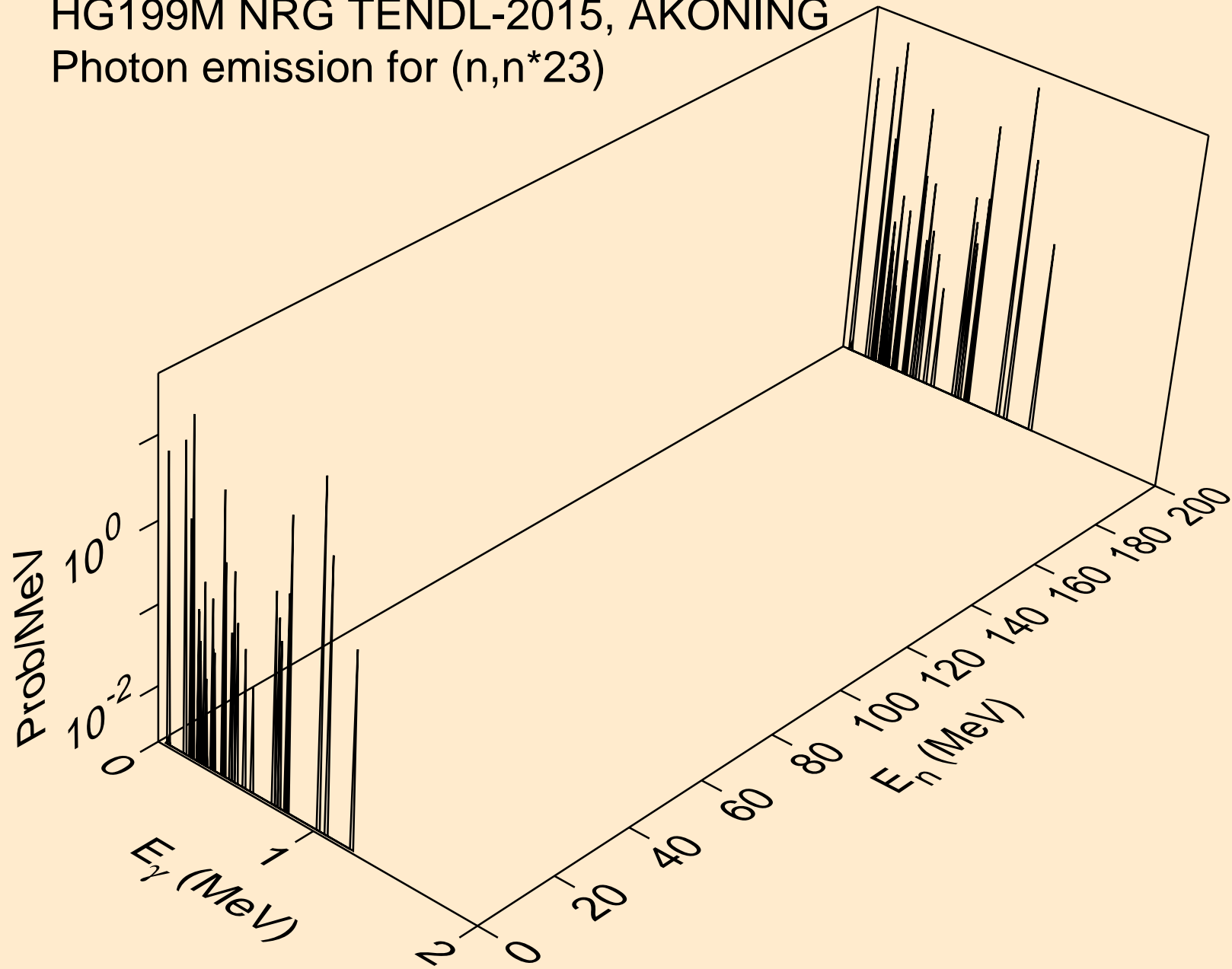
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Photon emission for (n,n\*21)



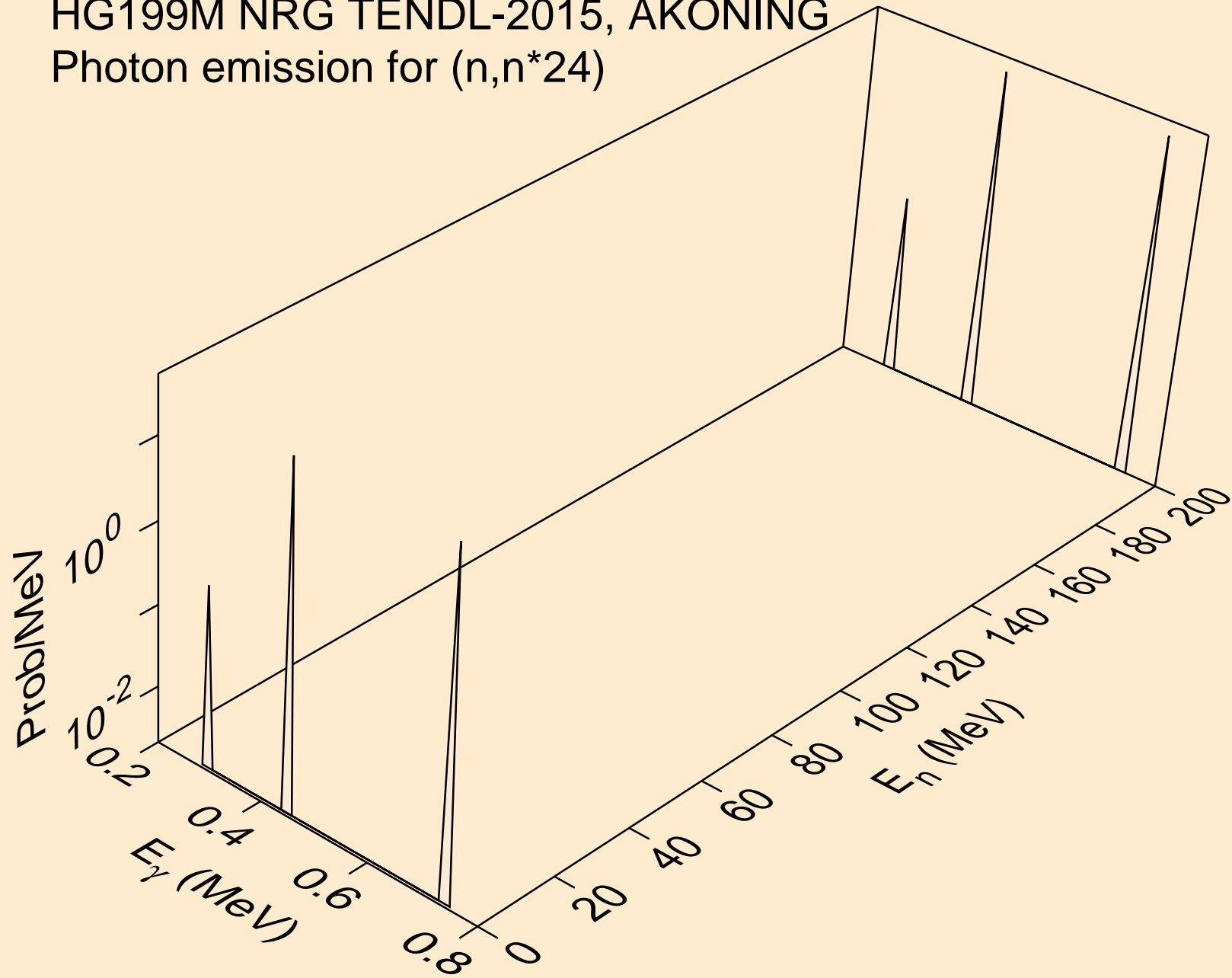
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Photon emission for (n,n\*22)



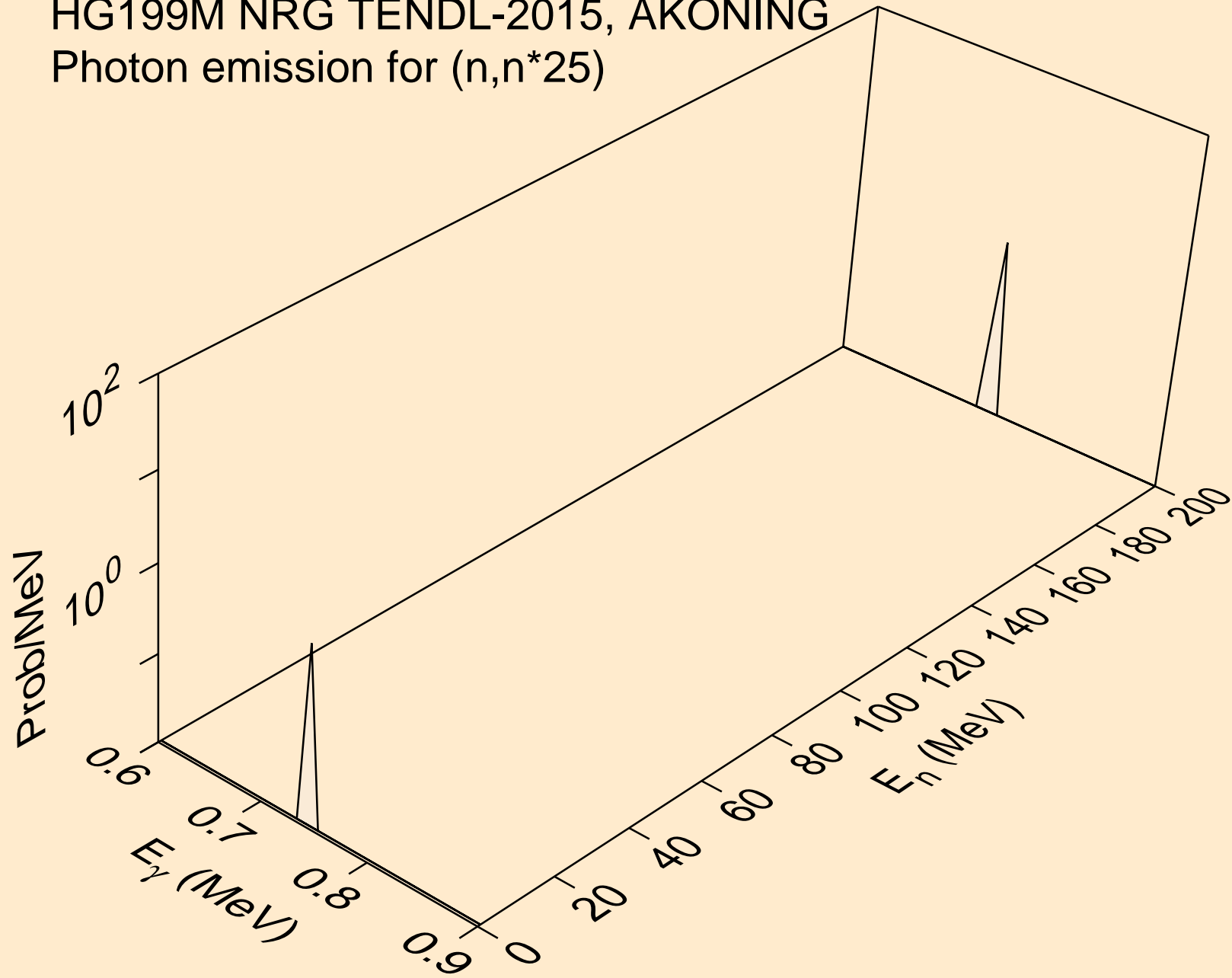
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Photon emission for (n,n\*23)



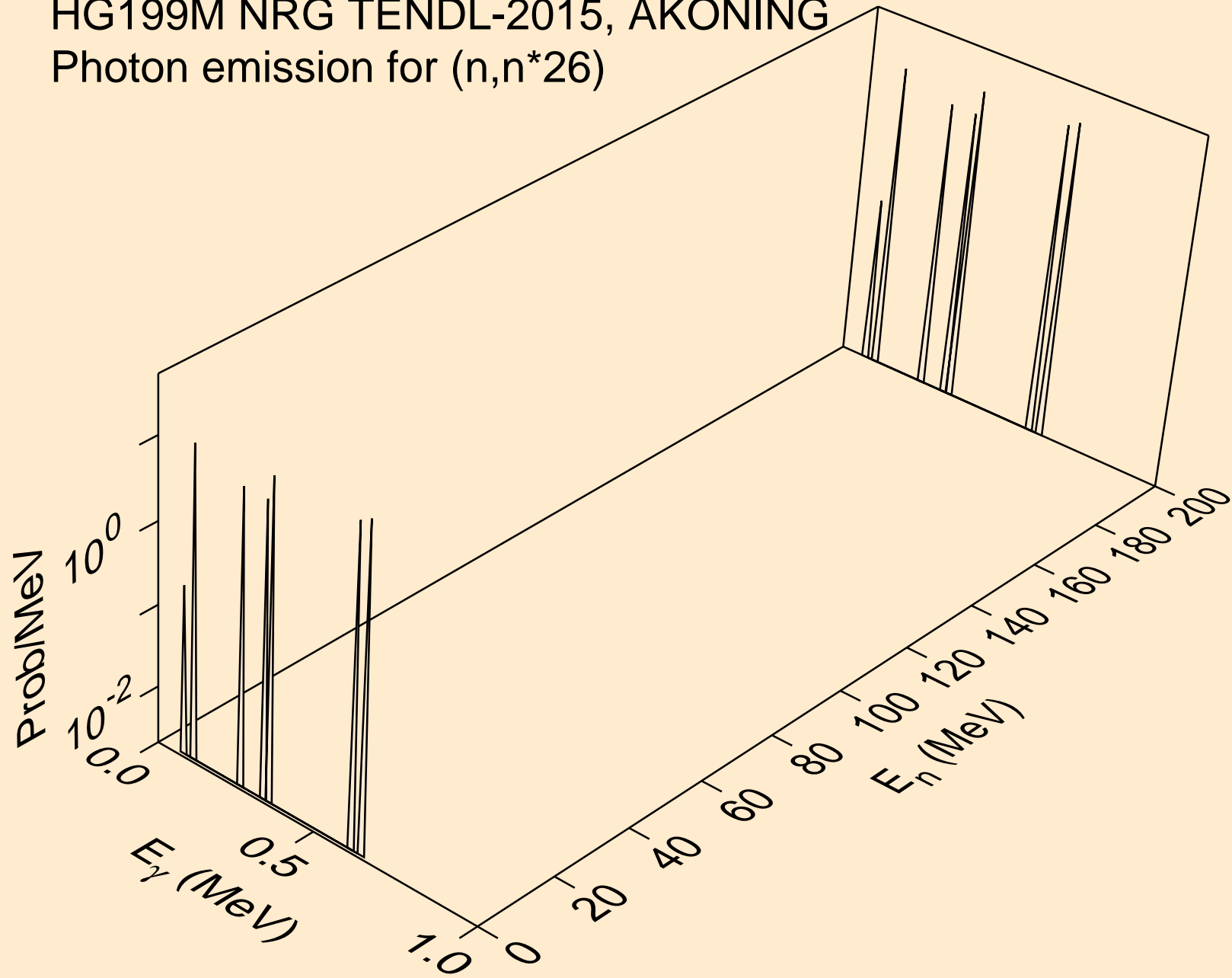
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Photon emission for (n,n\*24)



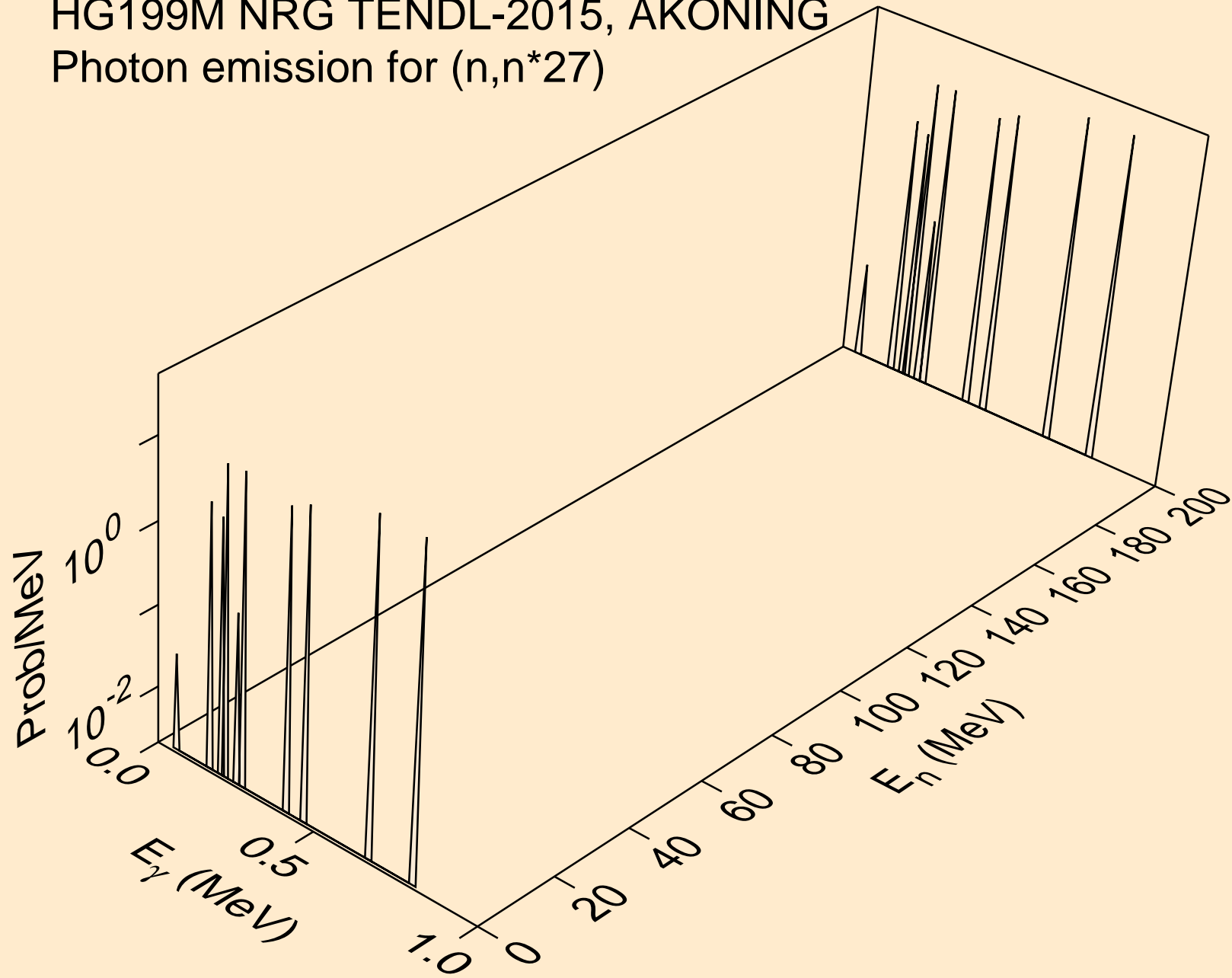
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Photon emission for (n,n\*25)



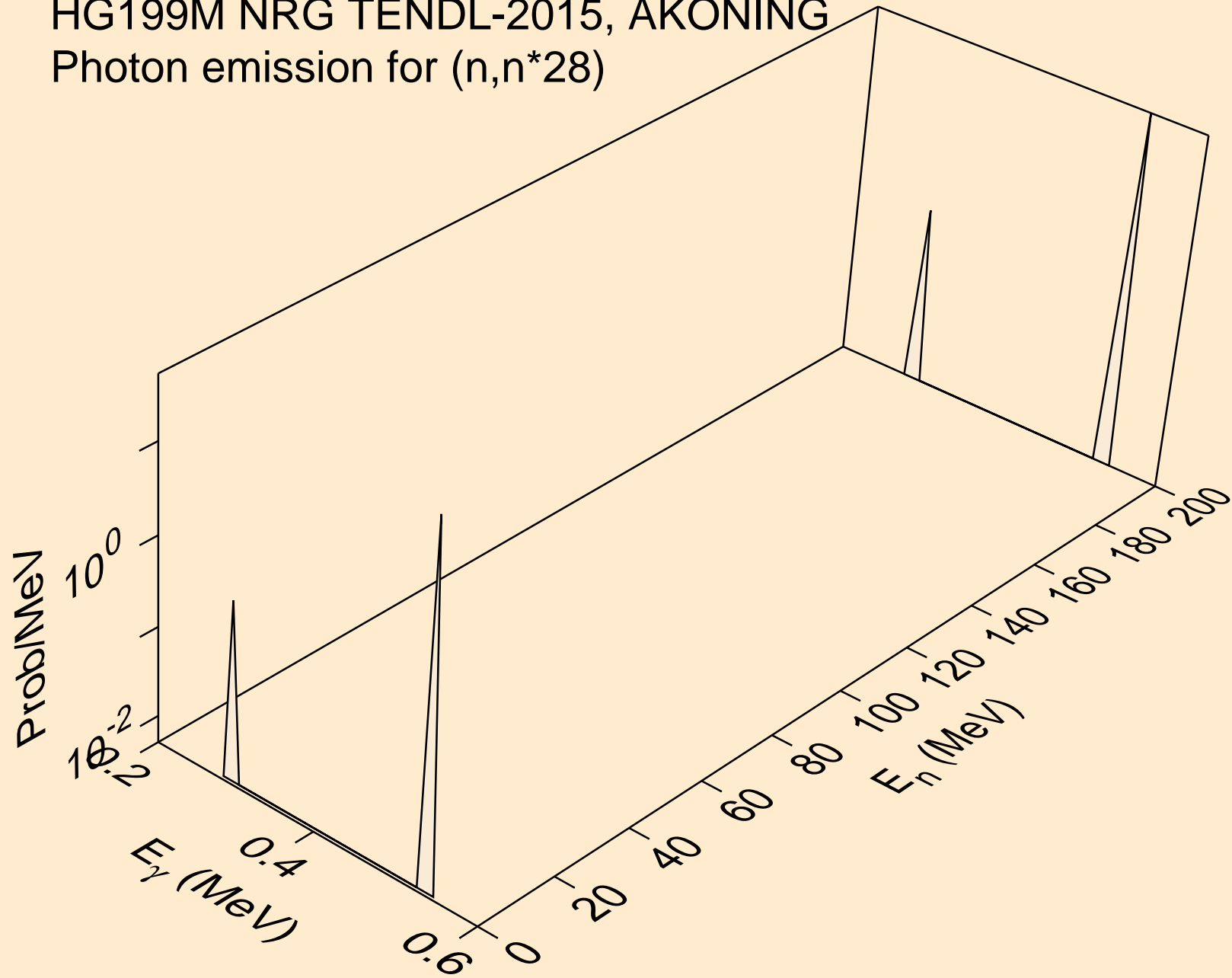
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*26)



HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*27)

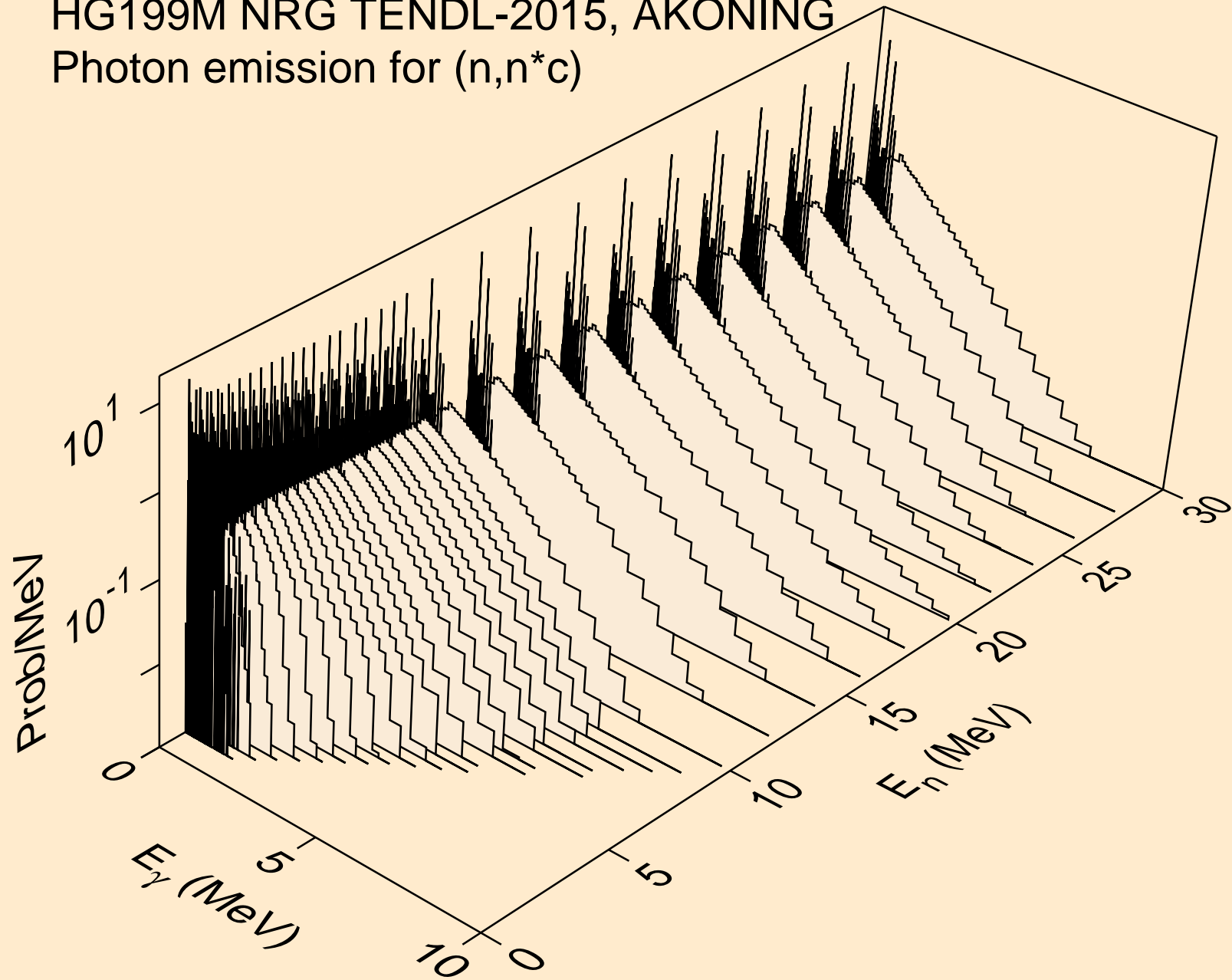


HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*28)

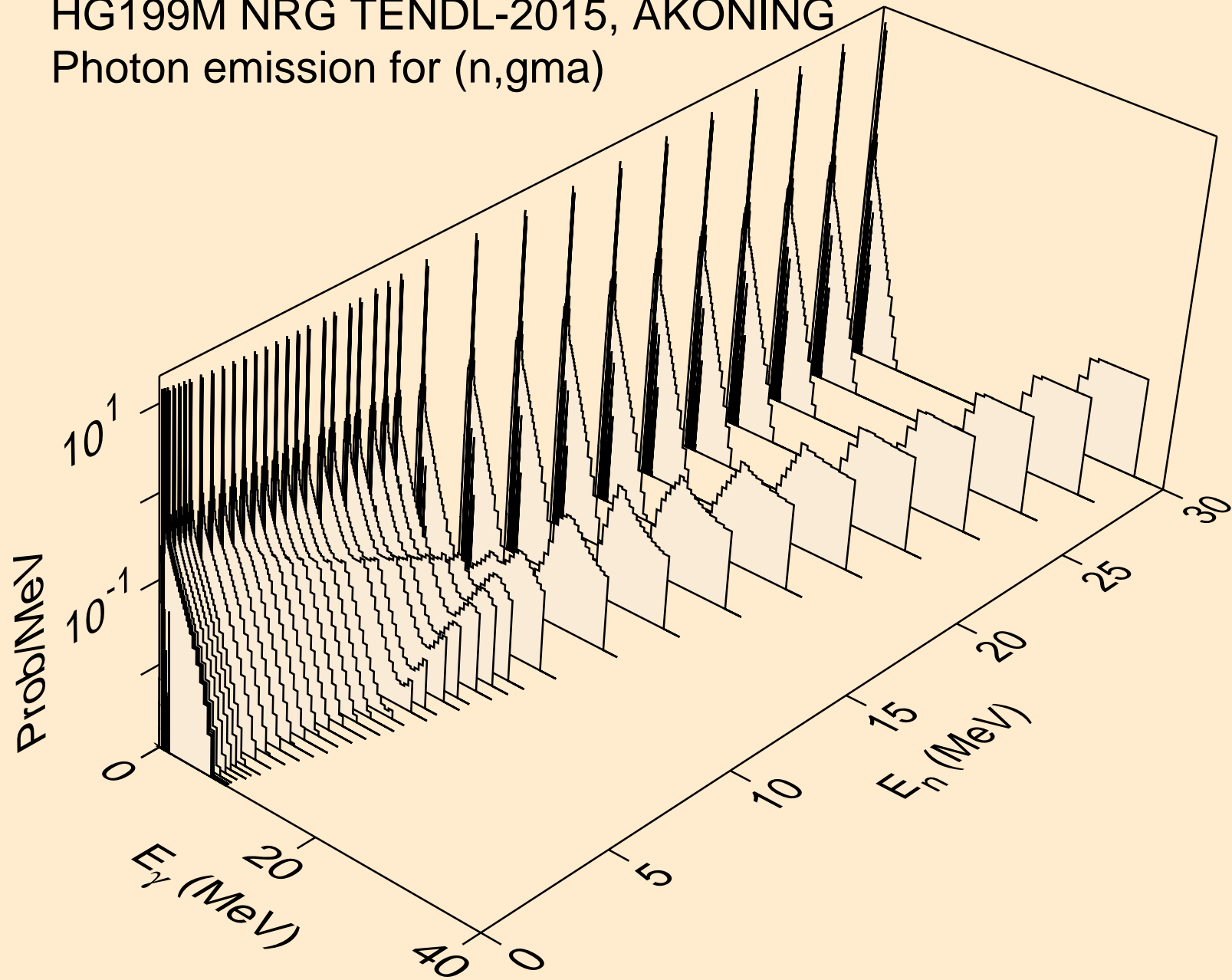




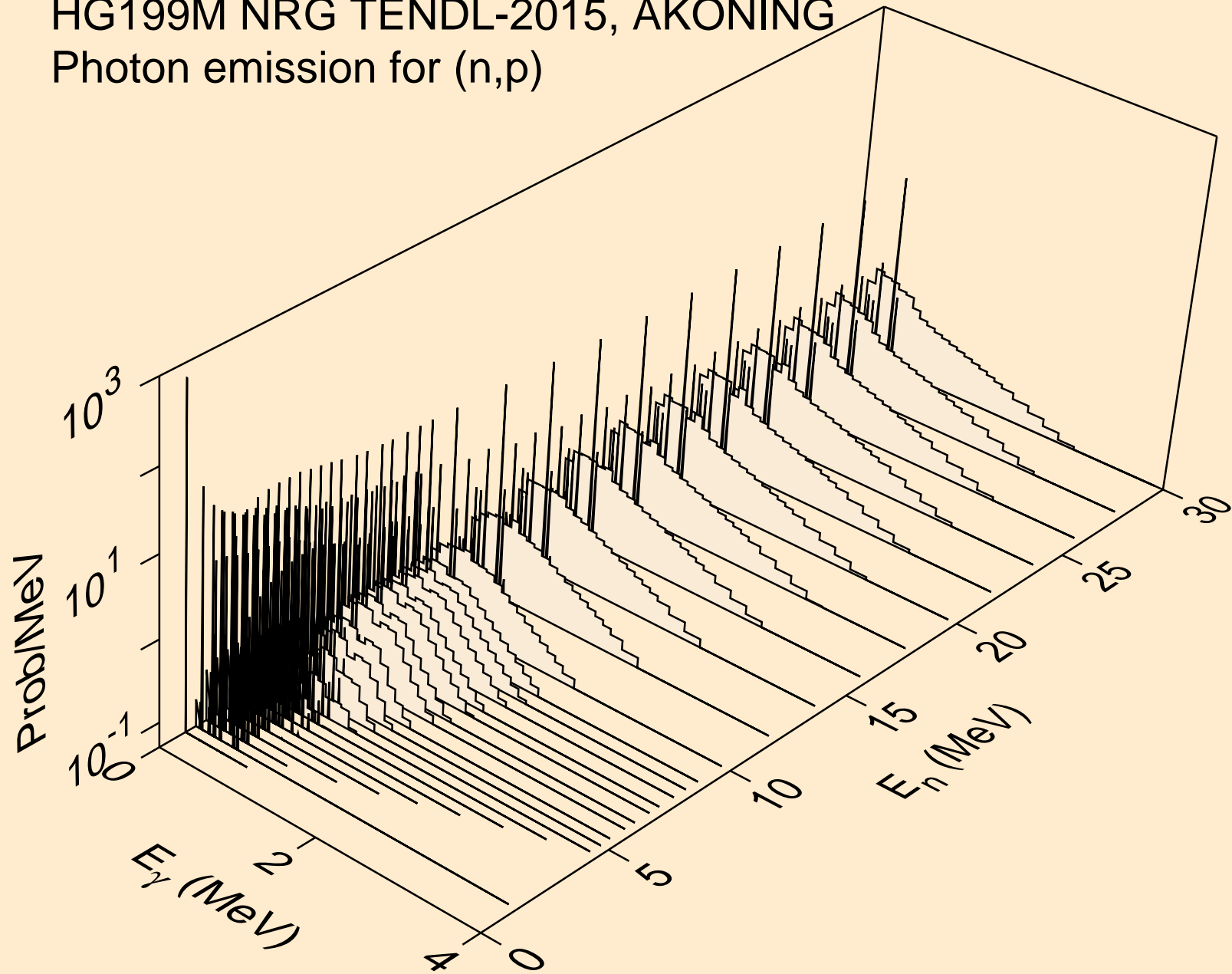
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Photon emission for (n,n\*c)



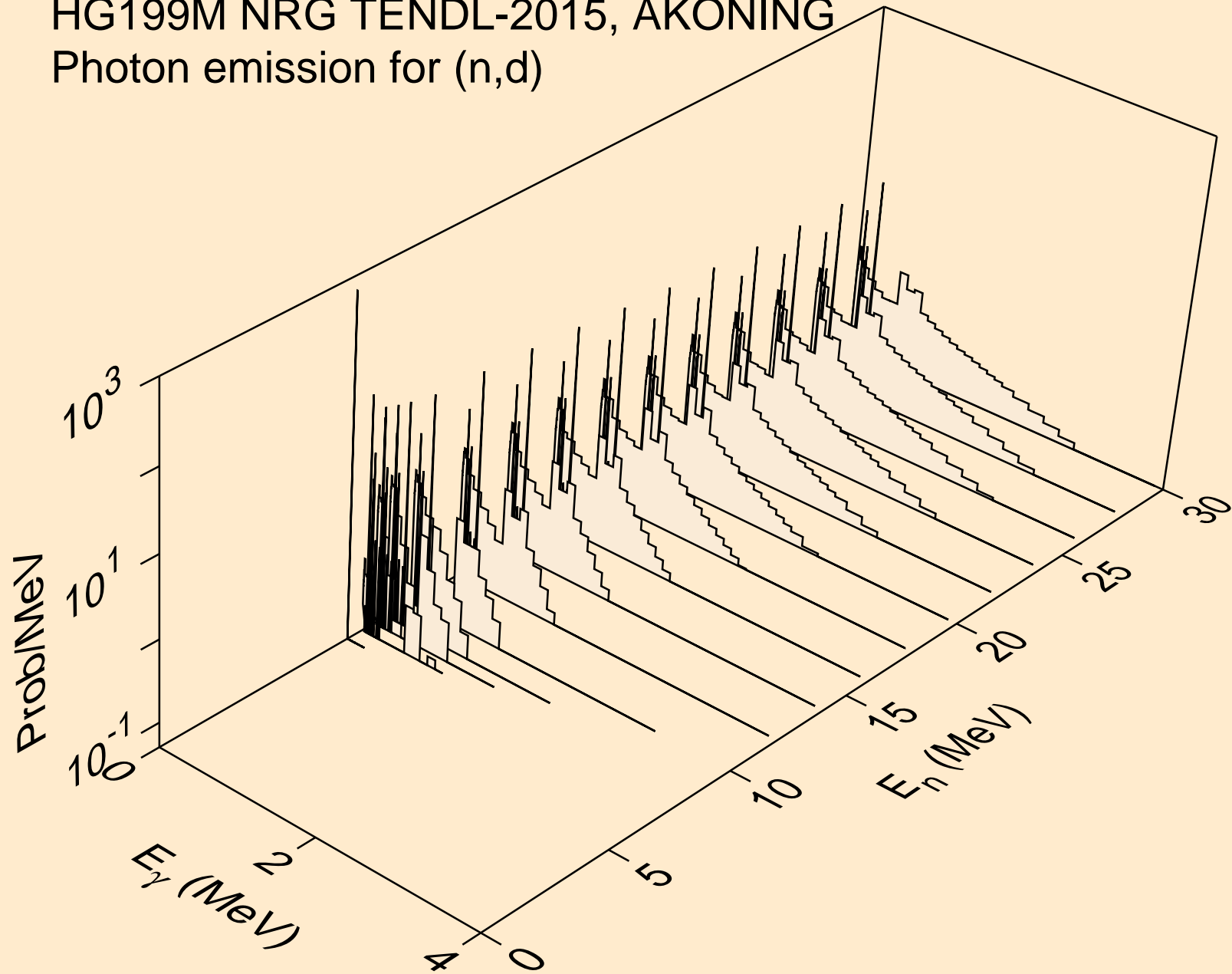
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Photon emission for (n,gma)



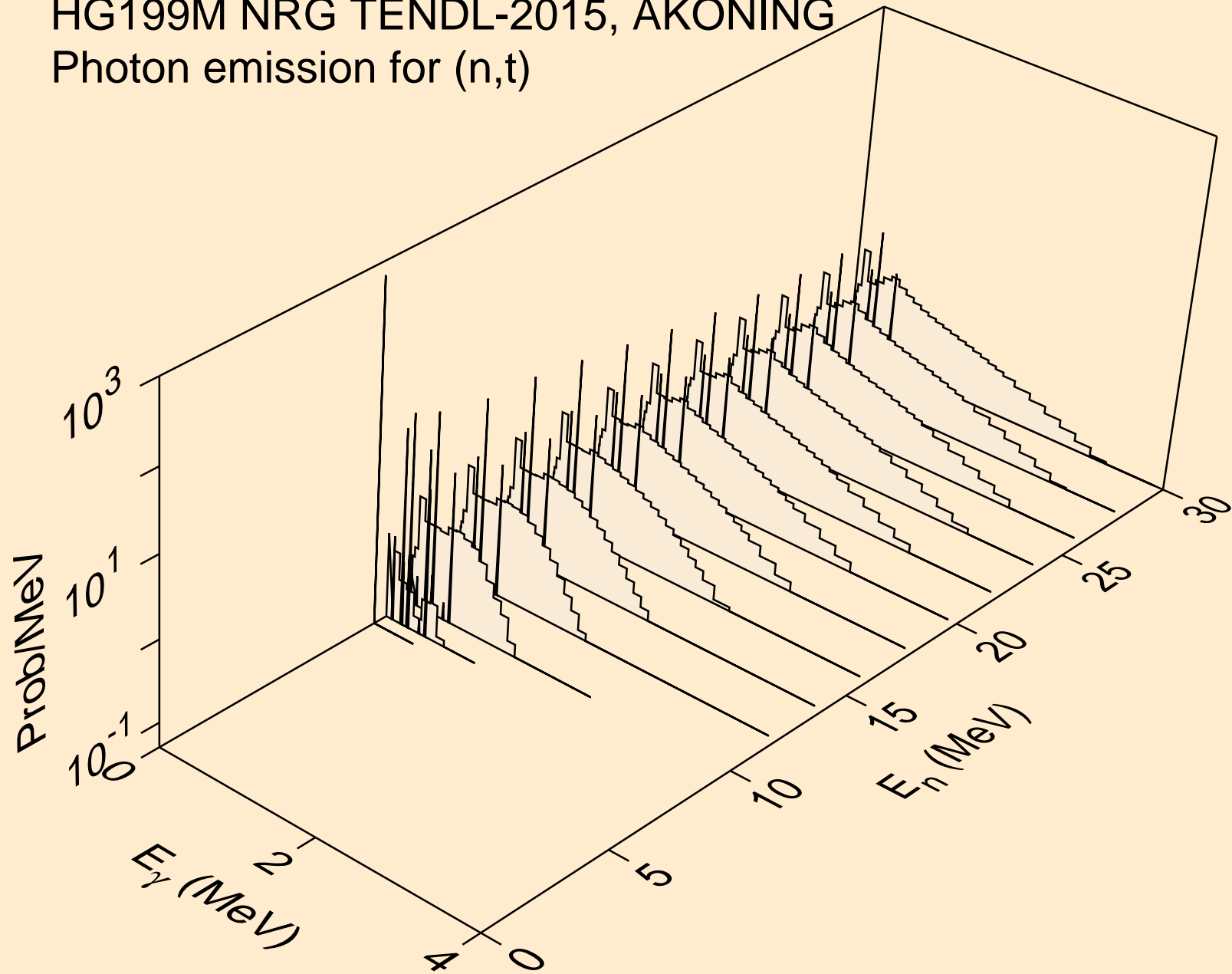
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,p)



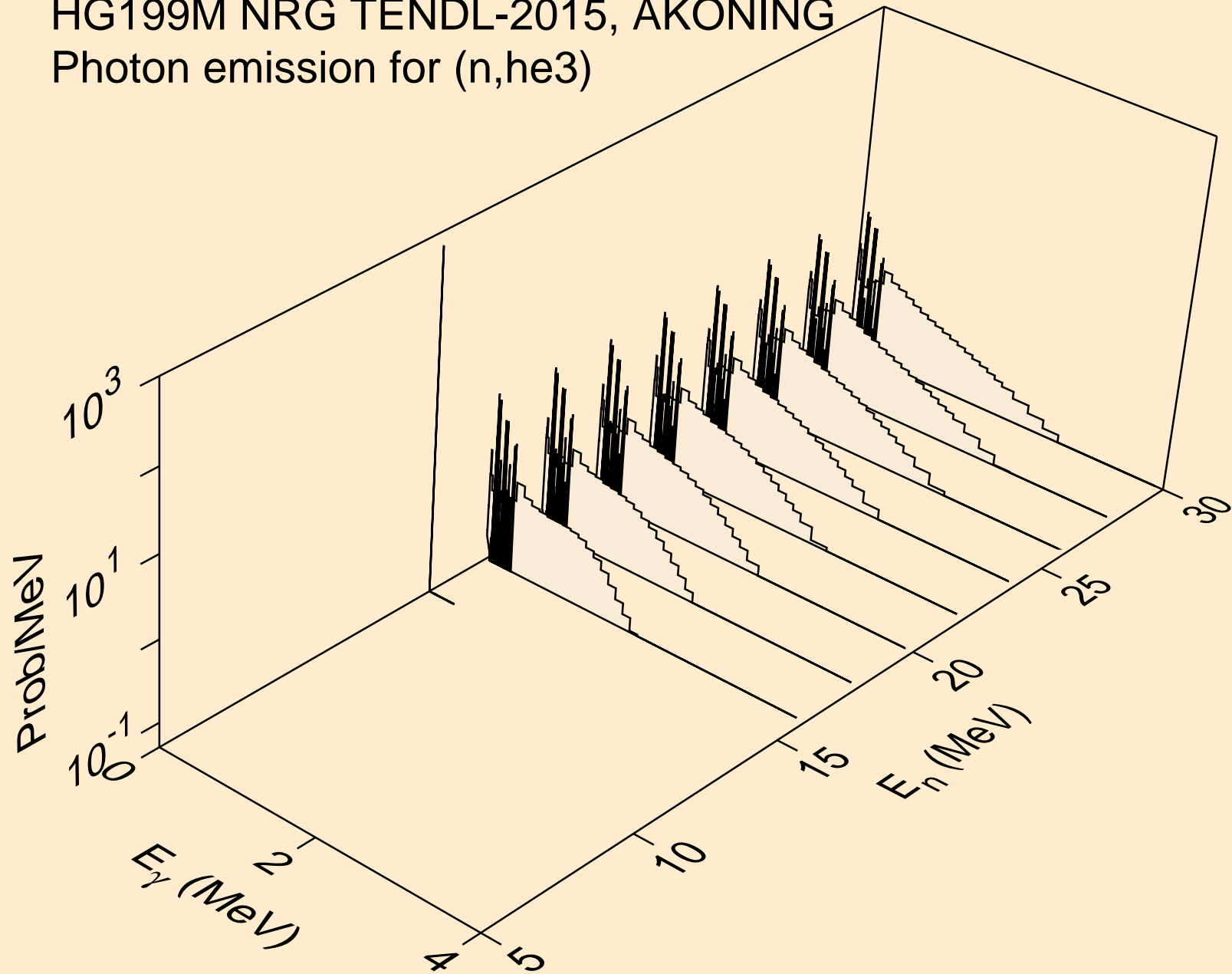
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Photon emission for (n,d)



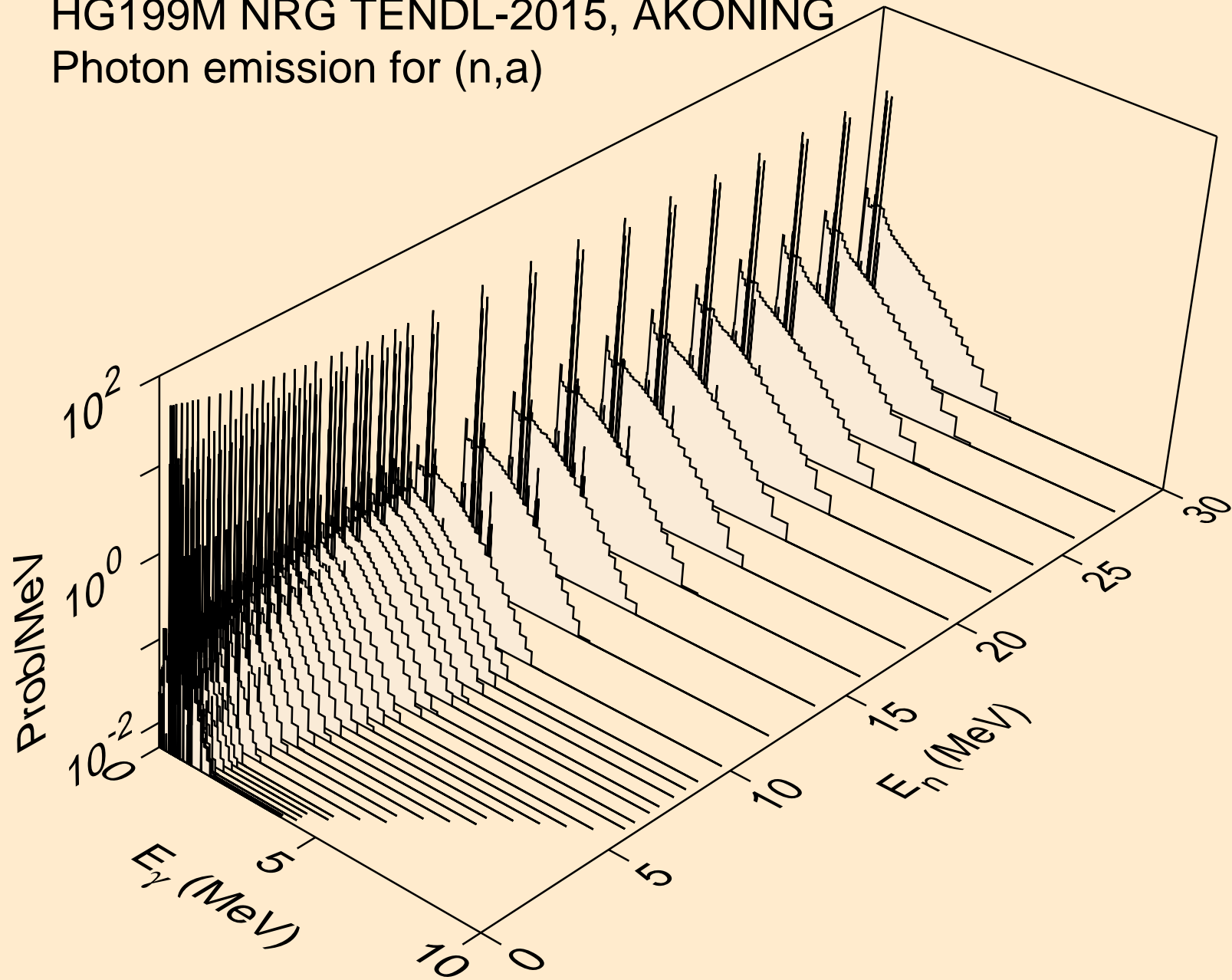
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Photon emission for (n,t)



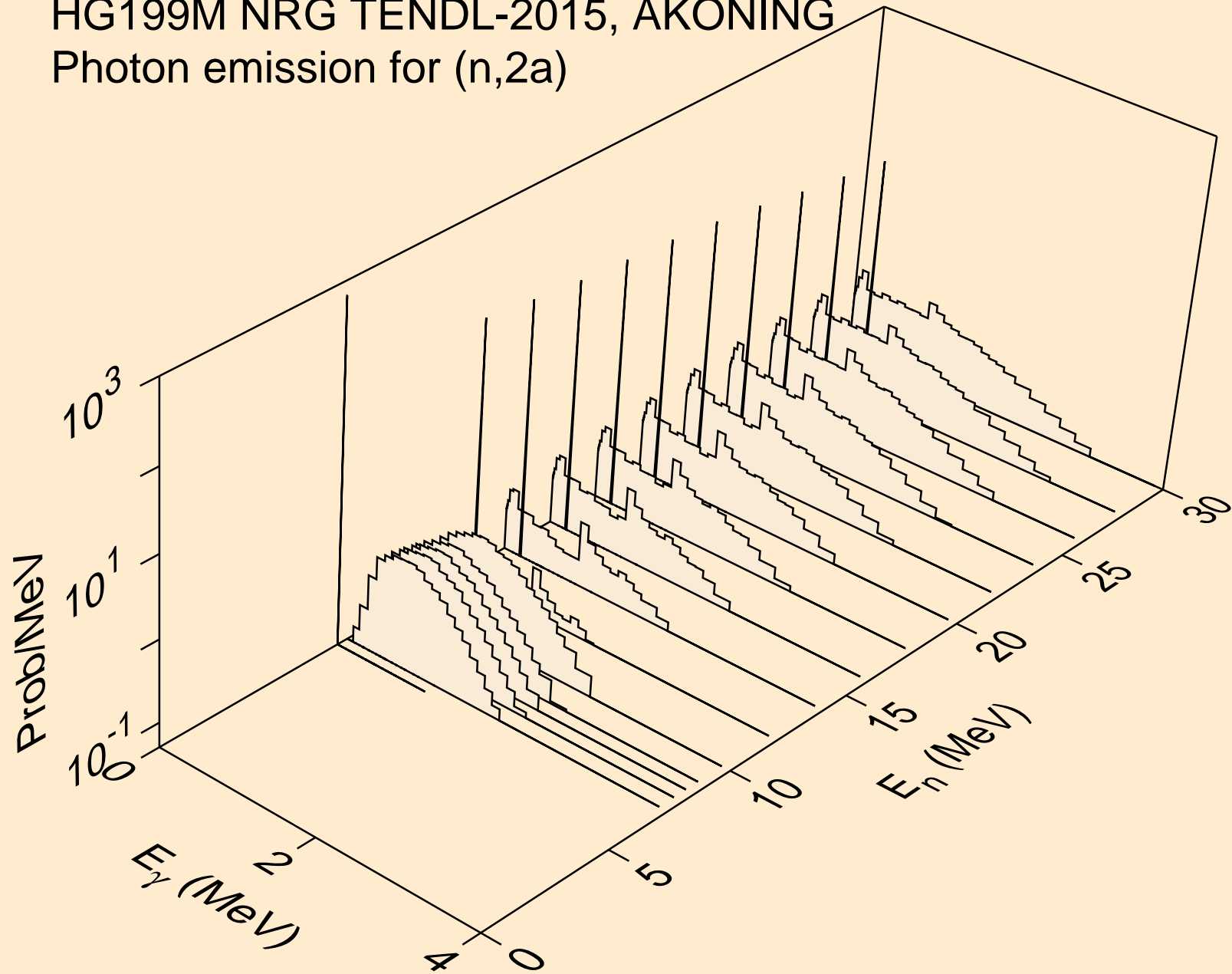
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Photon emission for (n,he3)



HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,a)

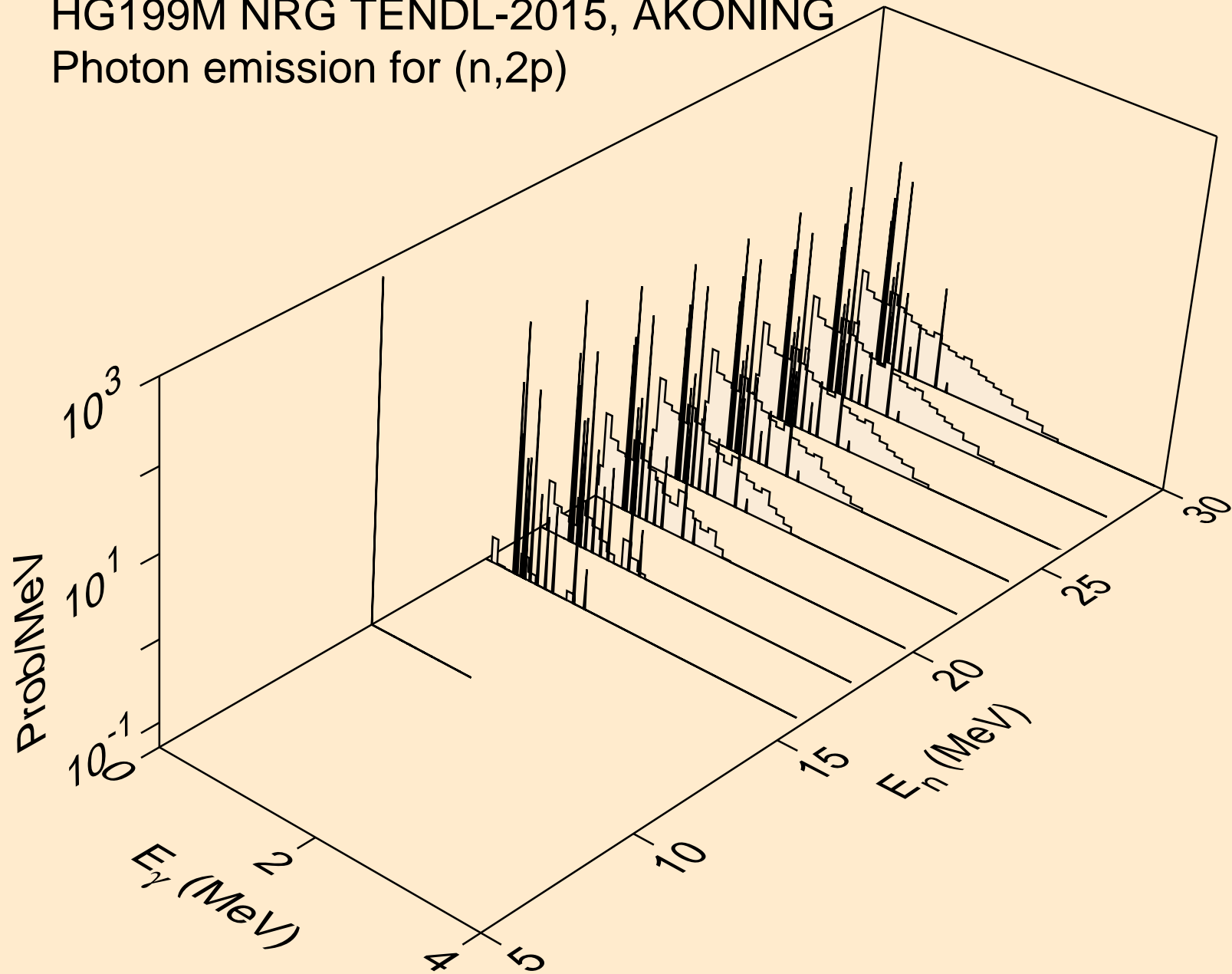


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Photon emission for (n,2a)

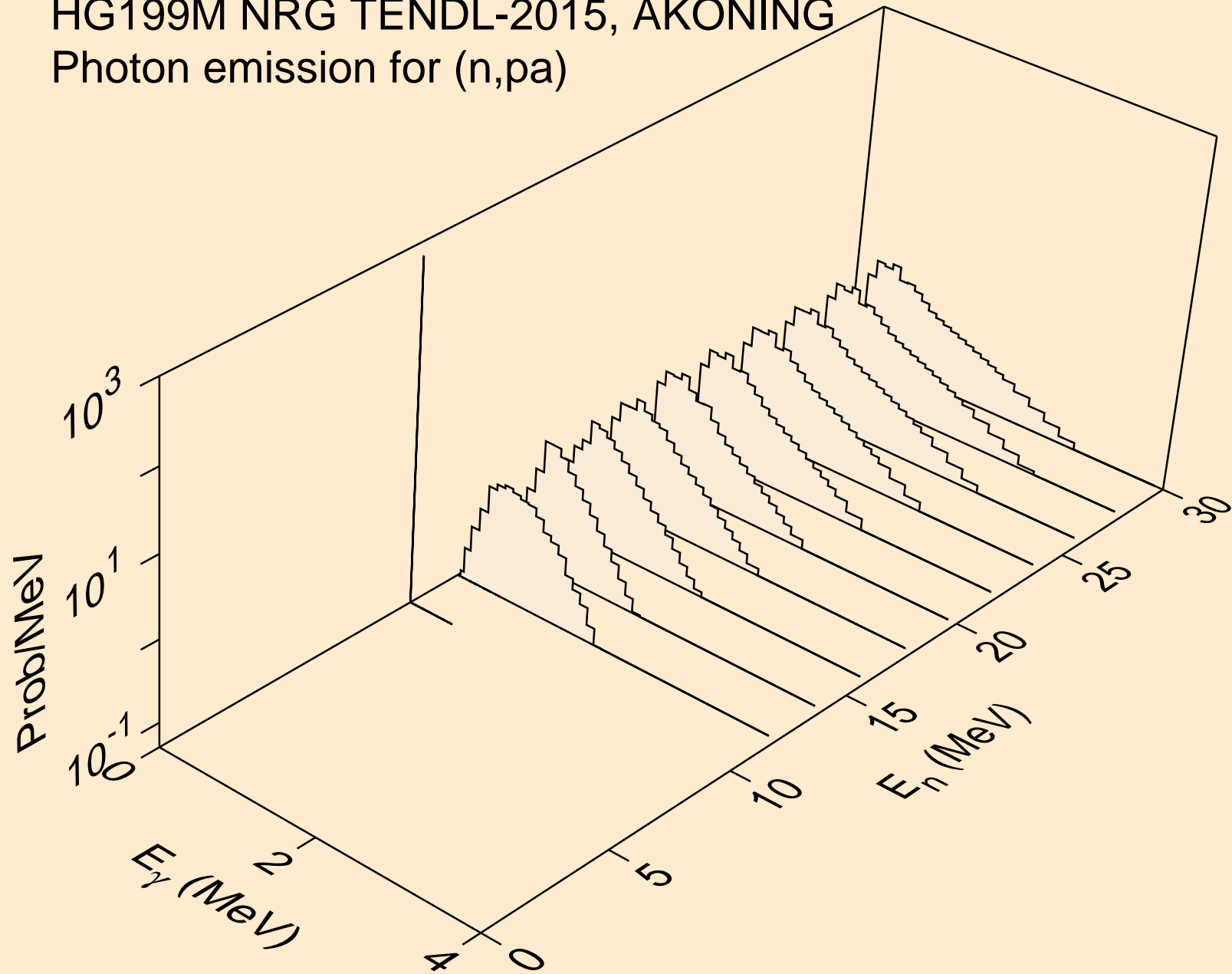




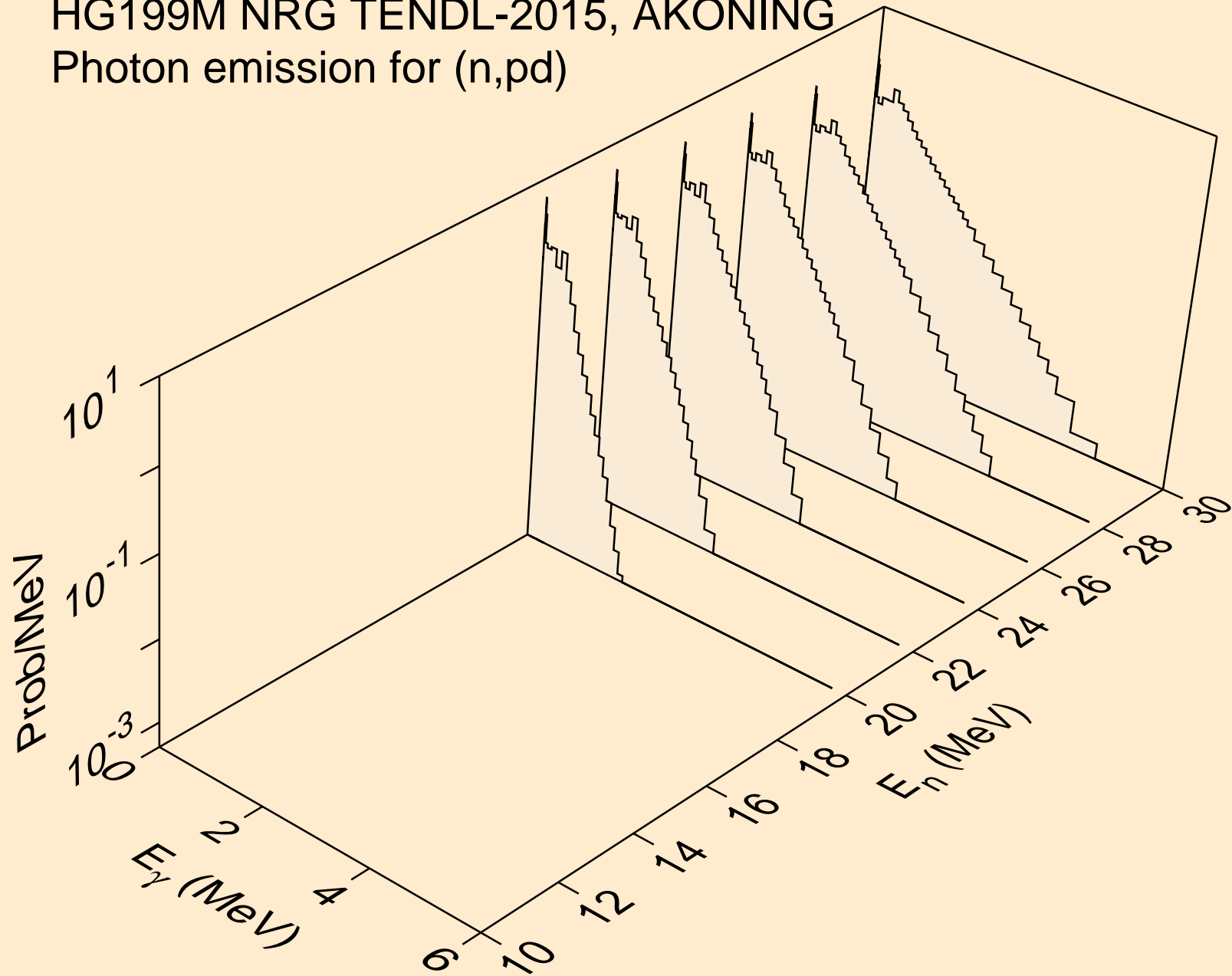
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Photon emission for (n,2p)



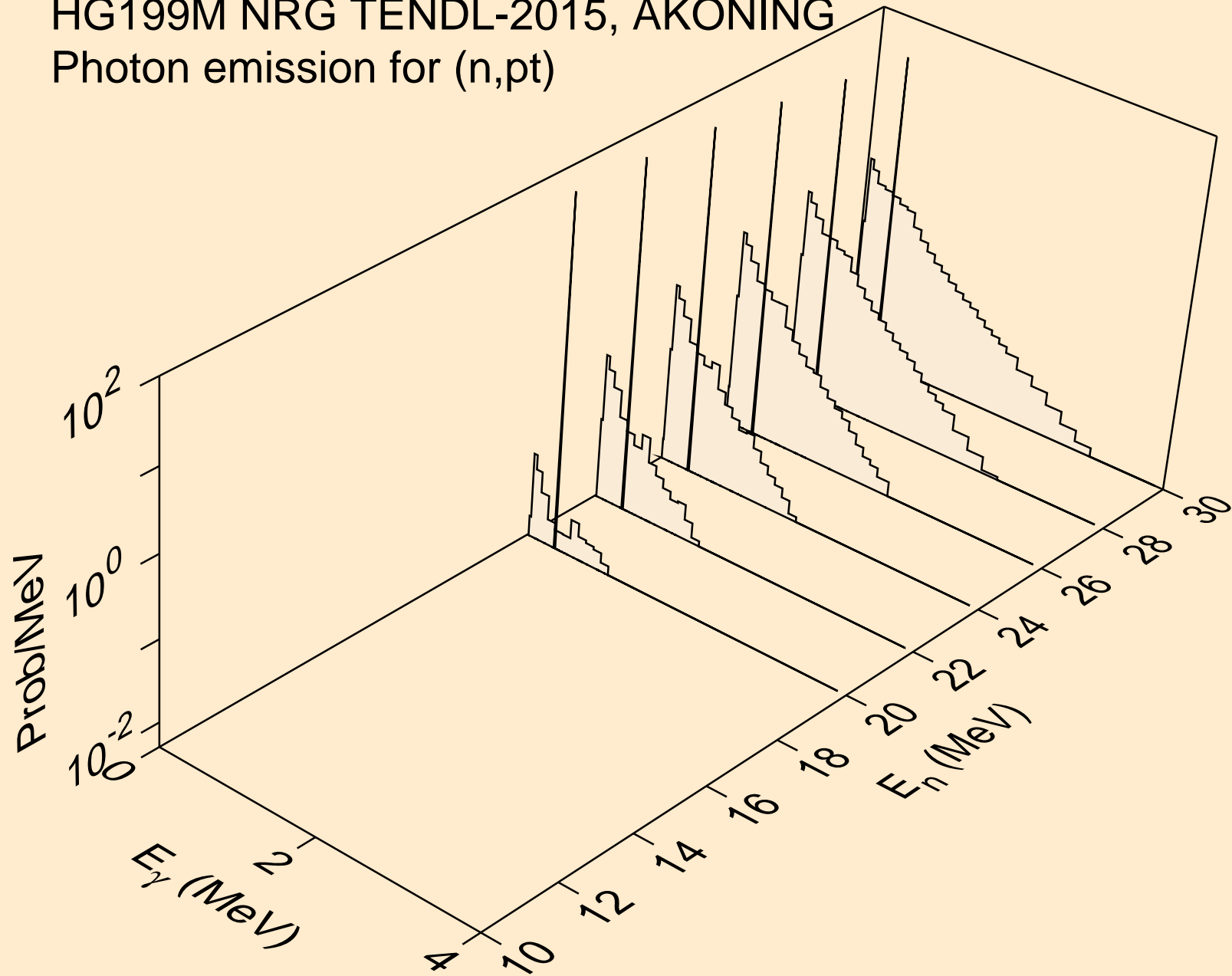
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Photon emission for (n,pa)



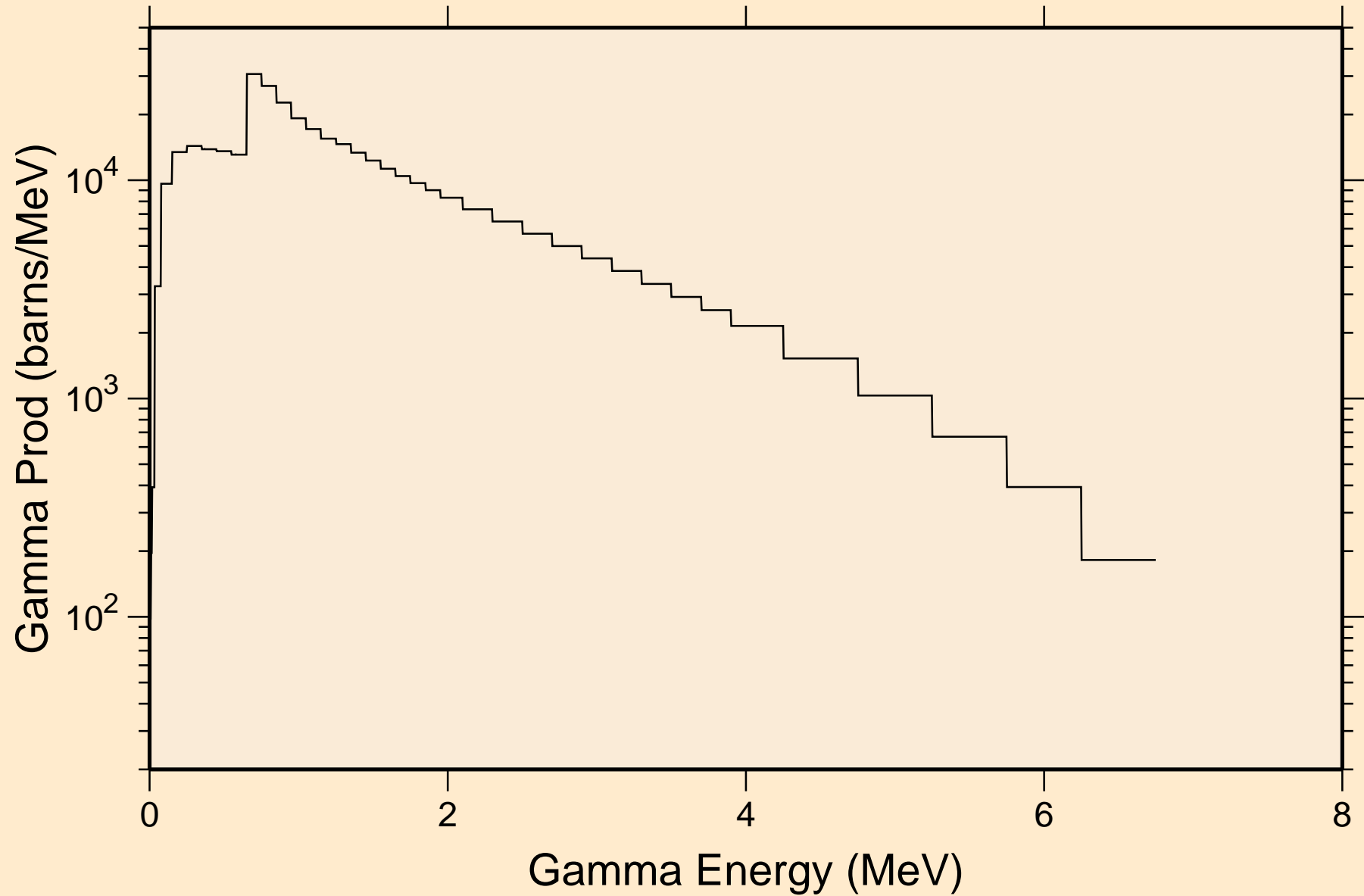
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Photon emission for (n,pd)



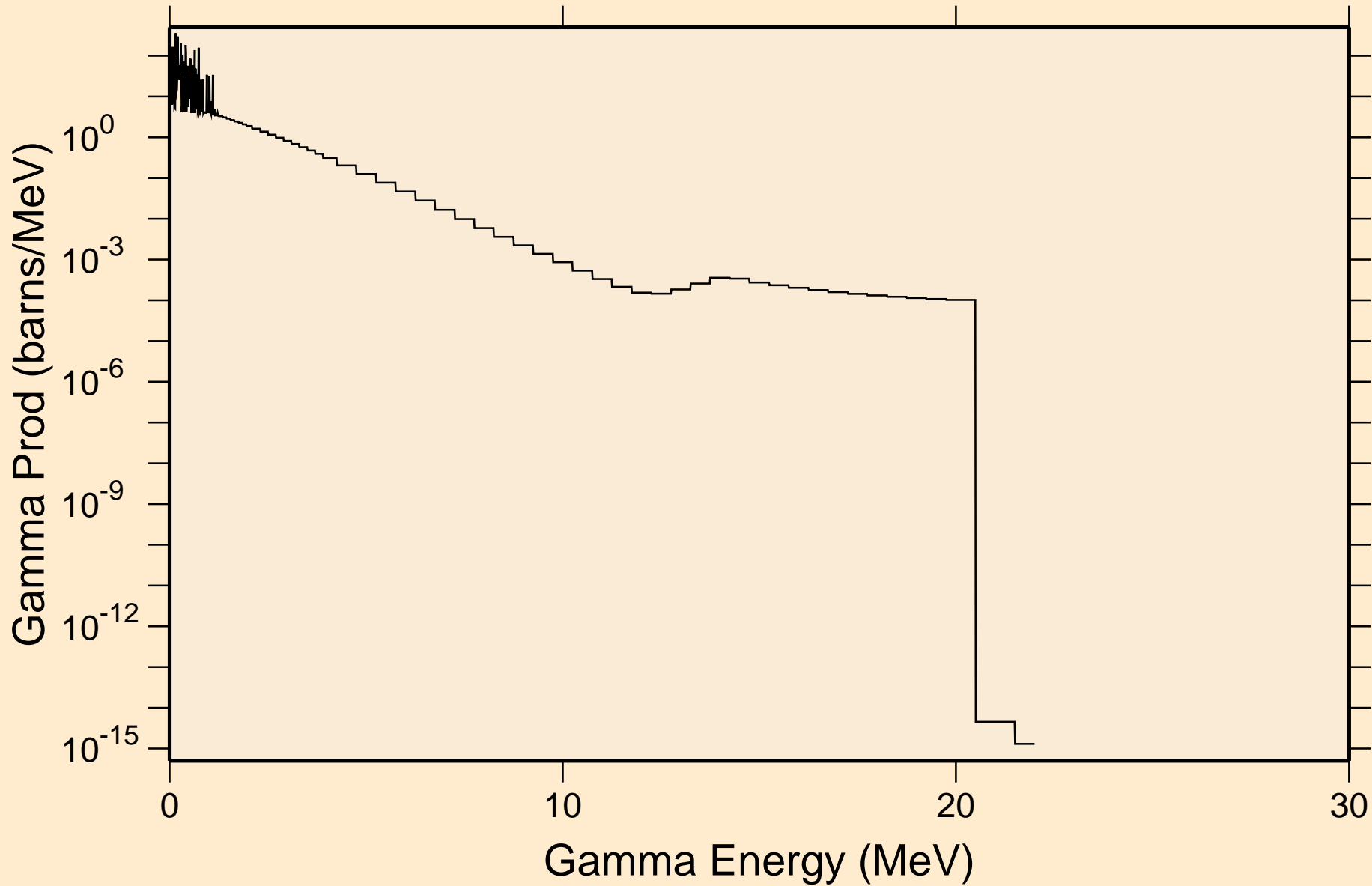
HG199M NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



HG199M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

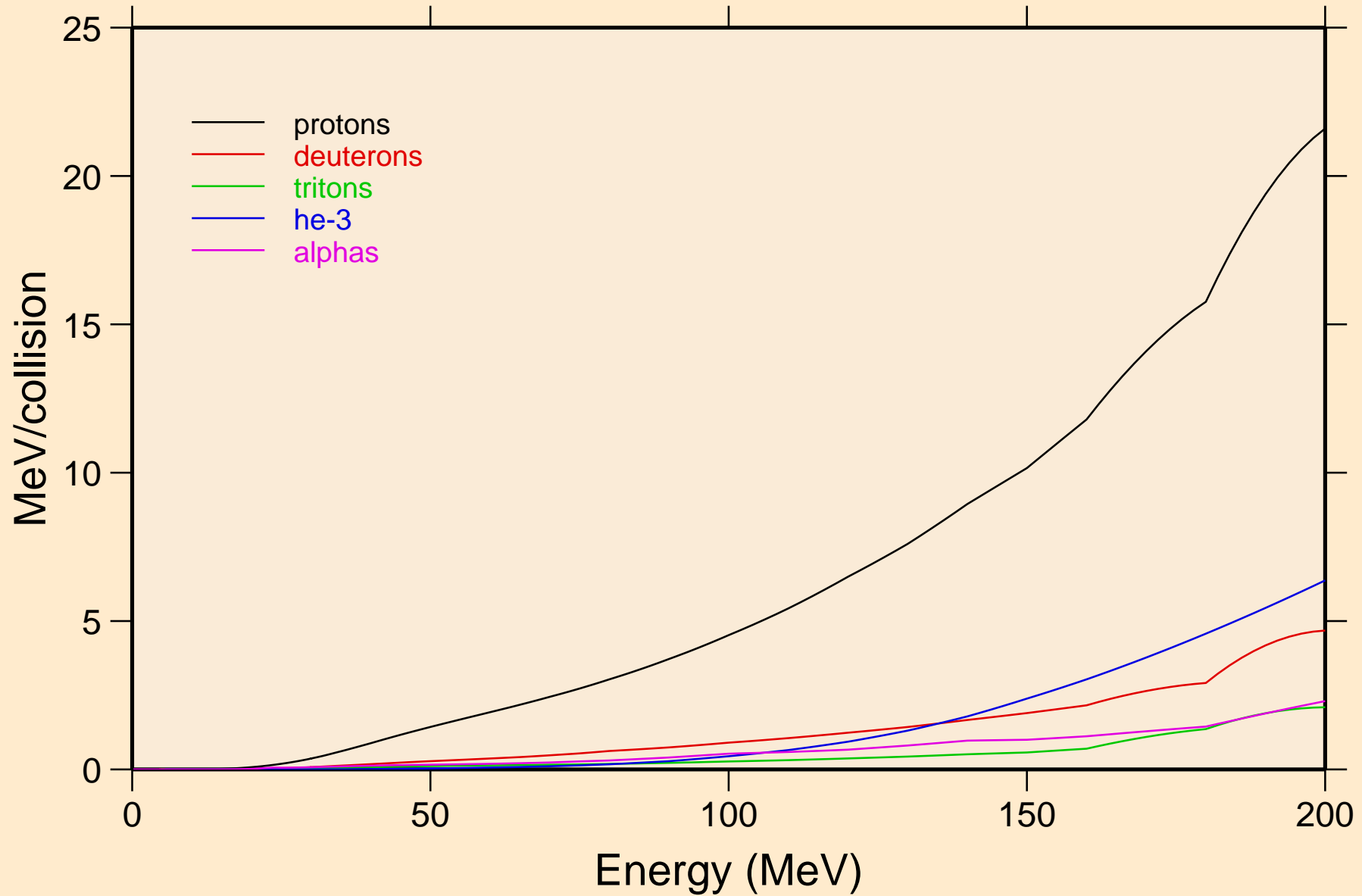


HG199M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



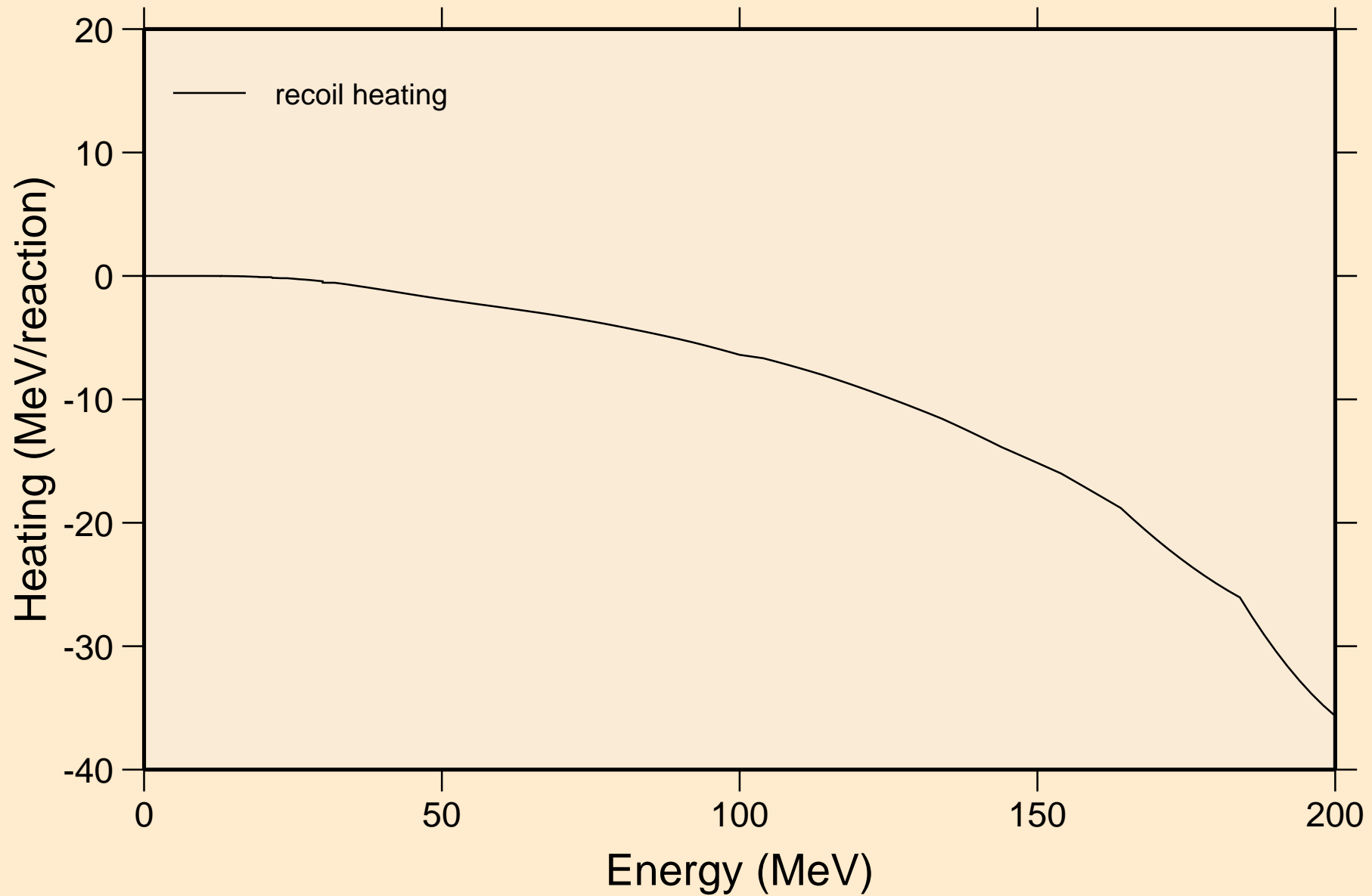
# HG199M NRG TENDL-2015, AKONING

## Particle heating contributions



# HG199M NRG TENDL-2015, AKONING

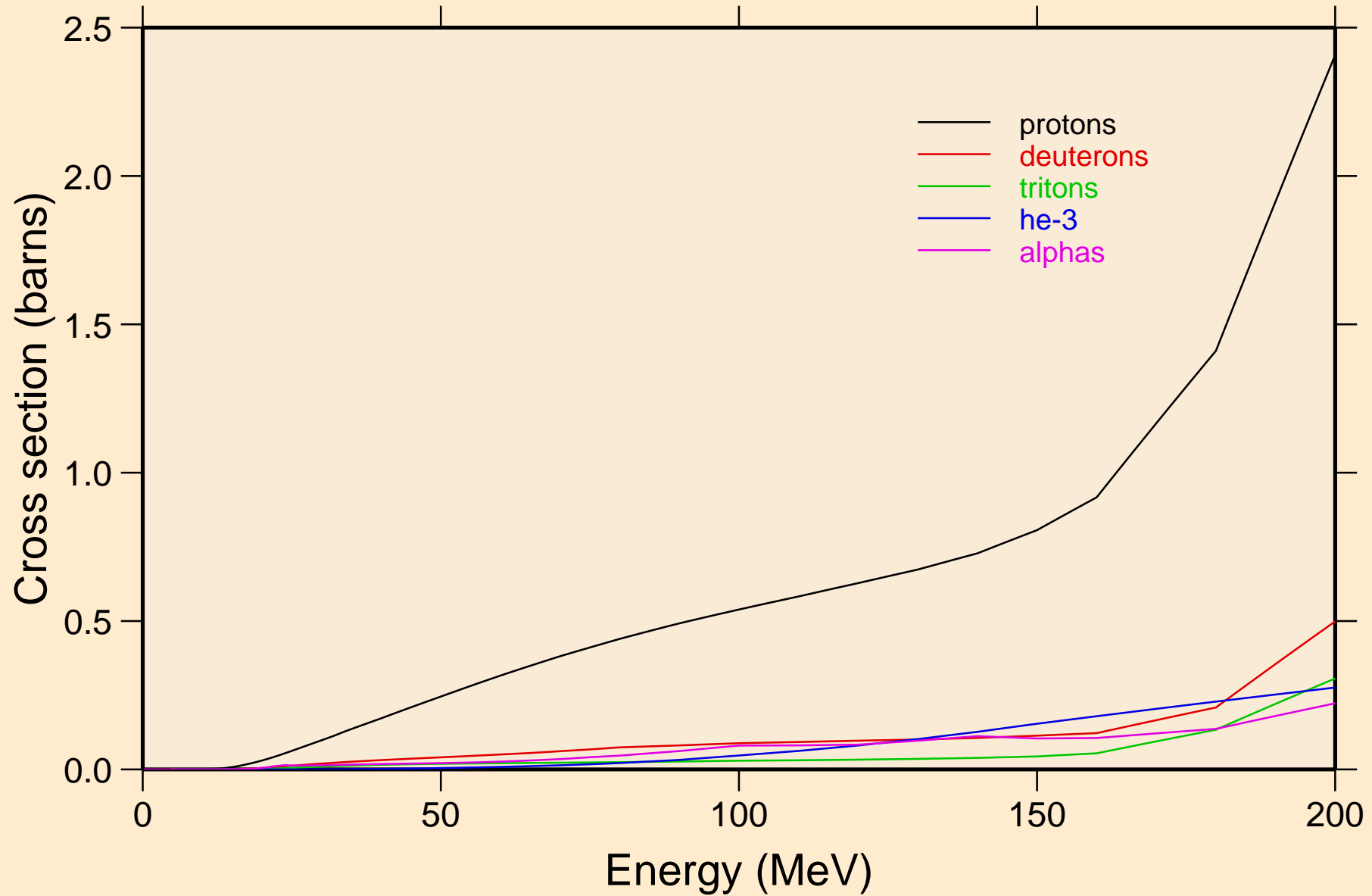
## Recoil Heating



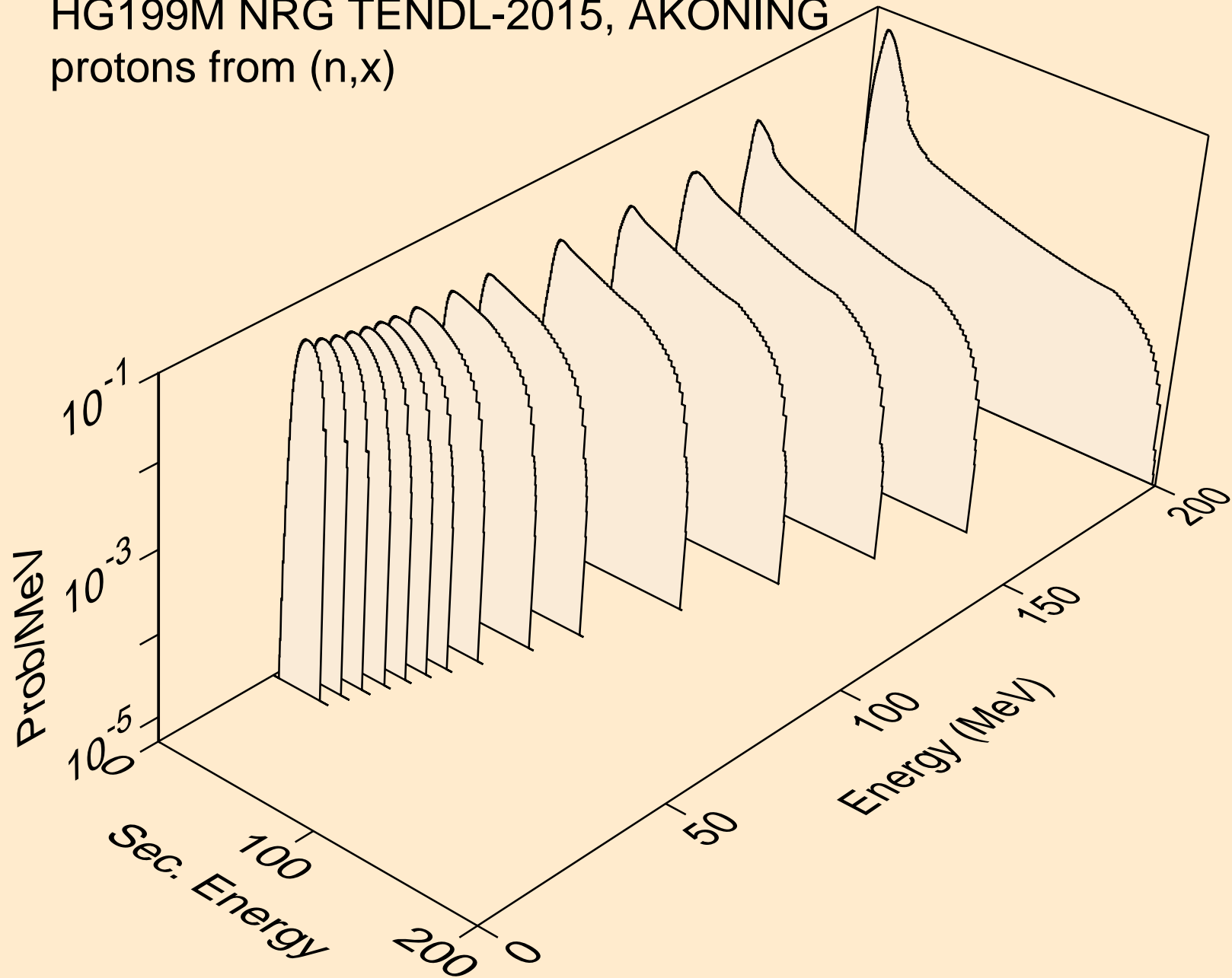


# HG199M NRG TENDL-2015, AKONING

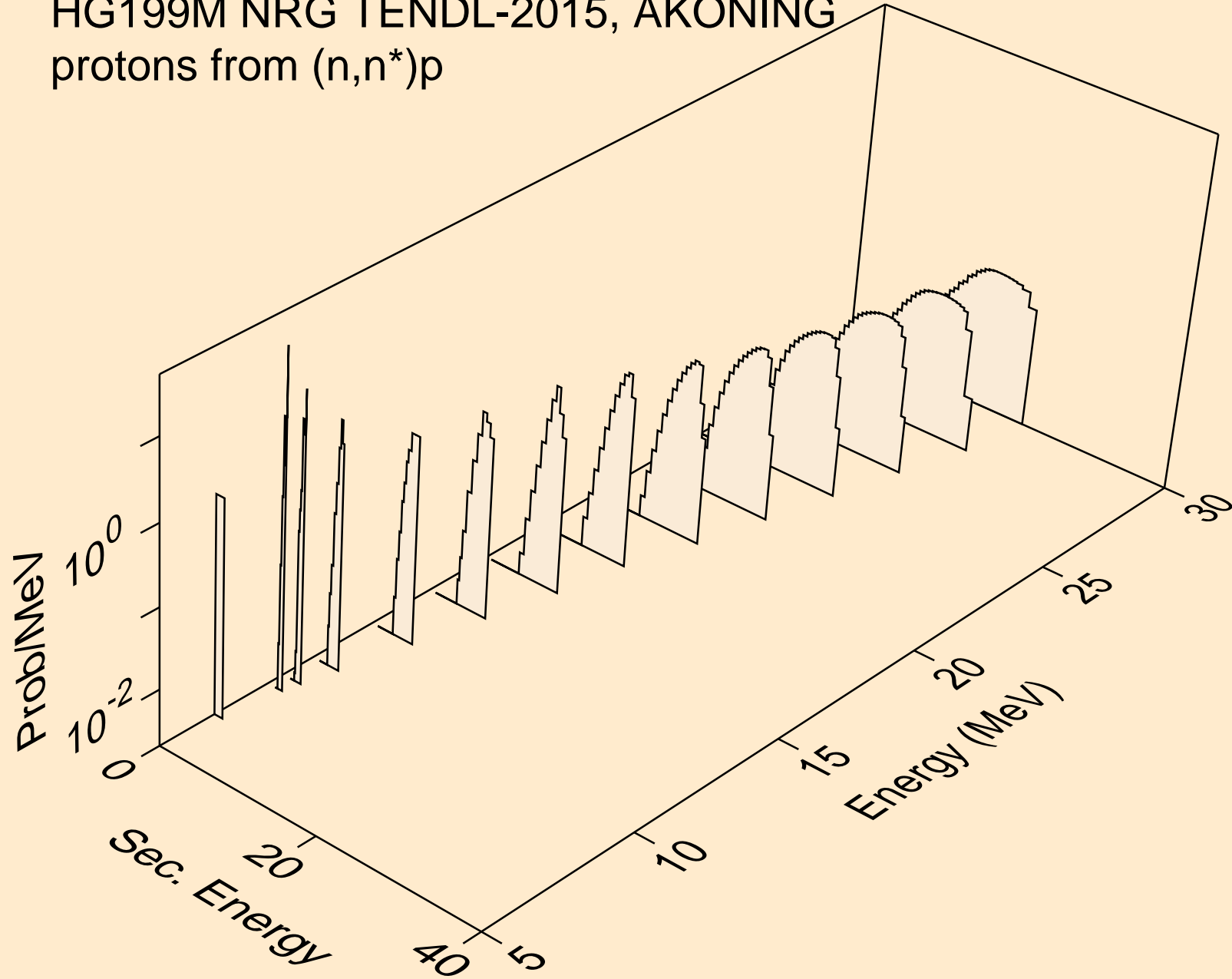
## Particle production cross sections



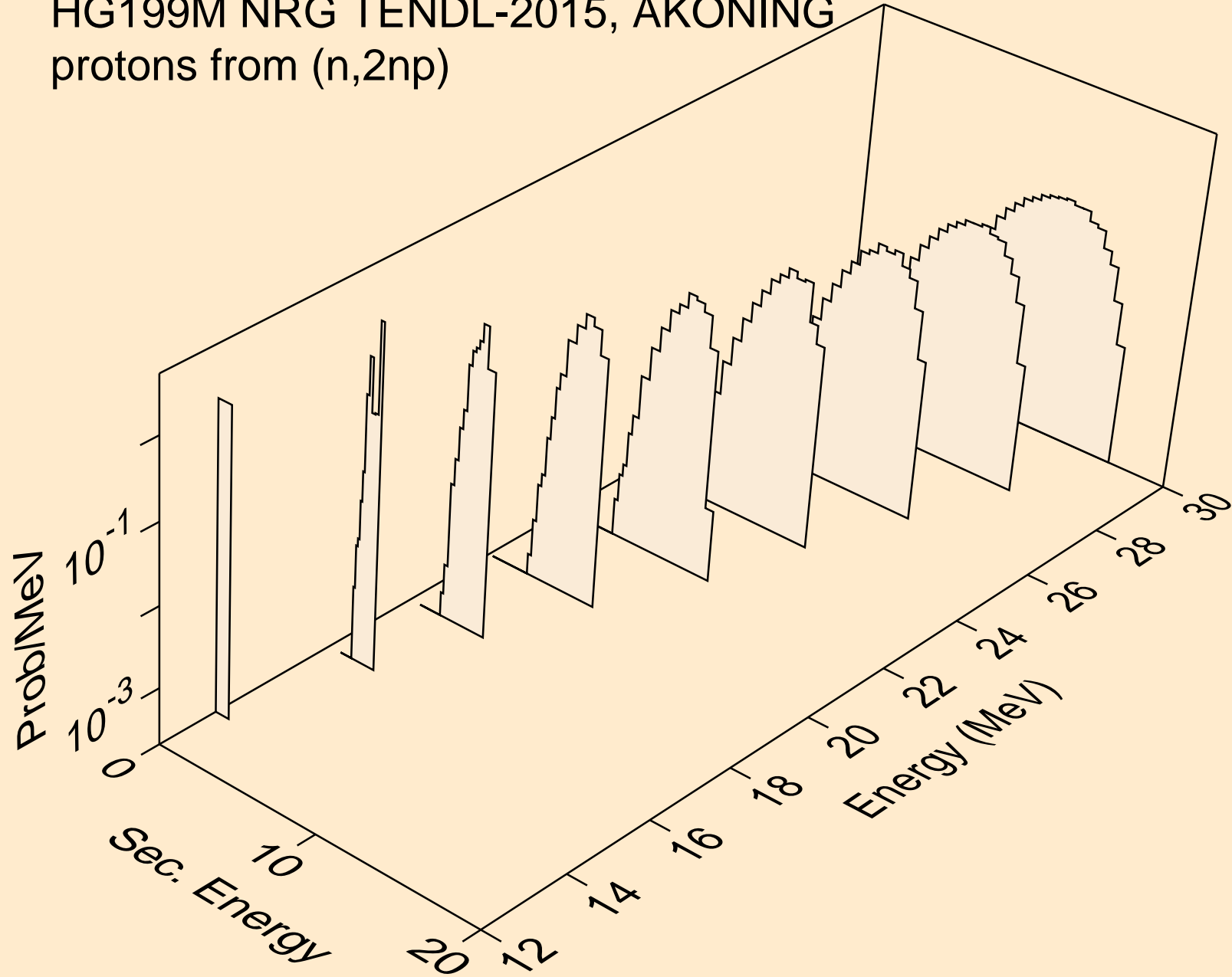
HG199M NRG TENDL-2015, AKONING  
protons from (n,x)



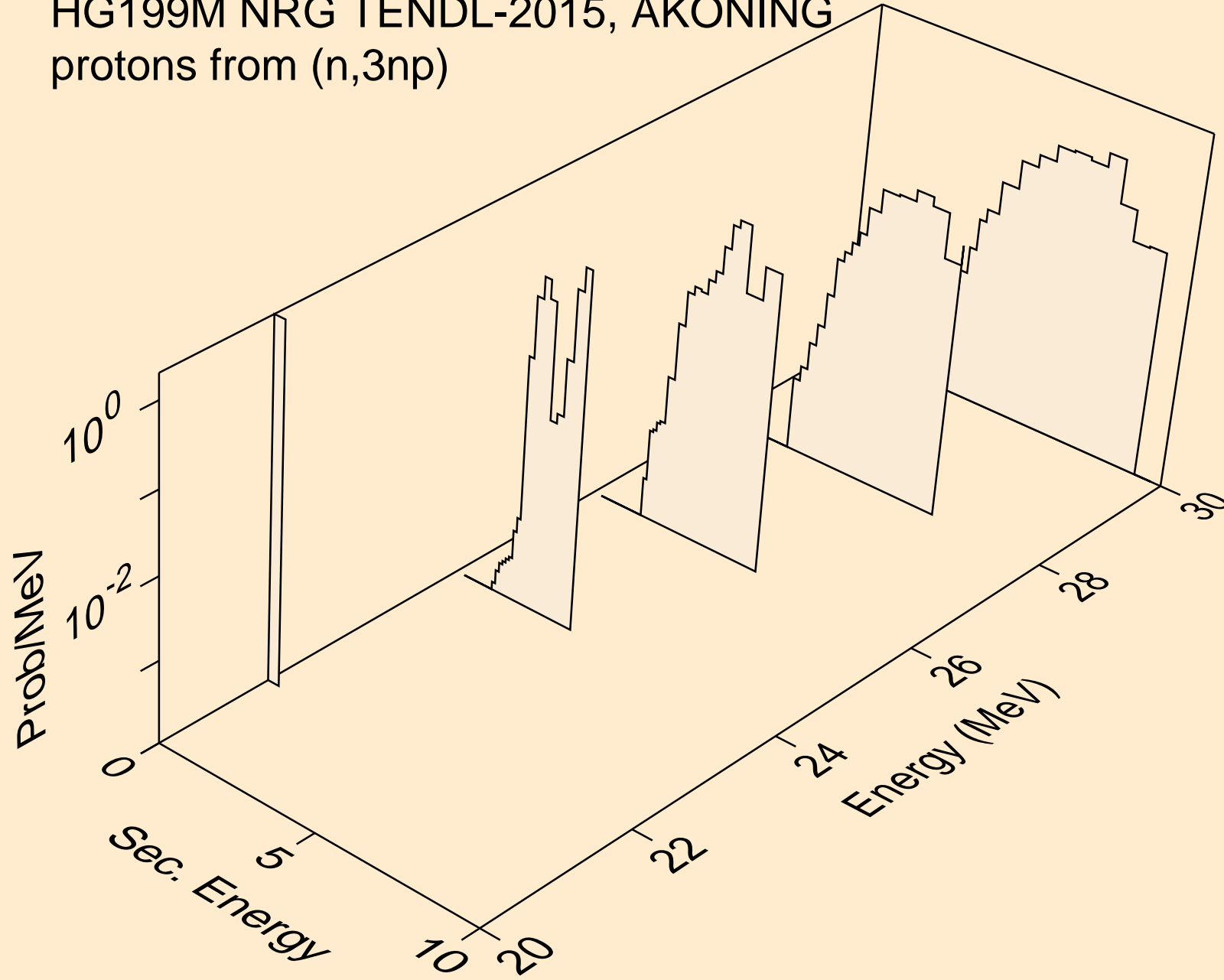
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protons from (n,n\*)p



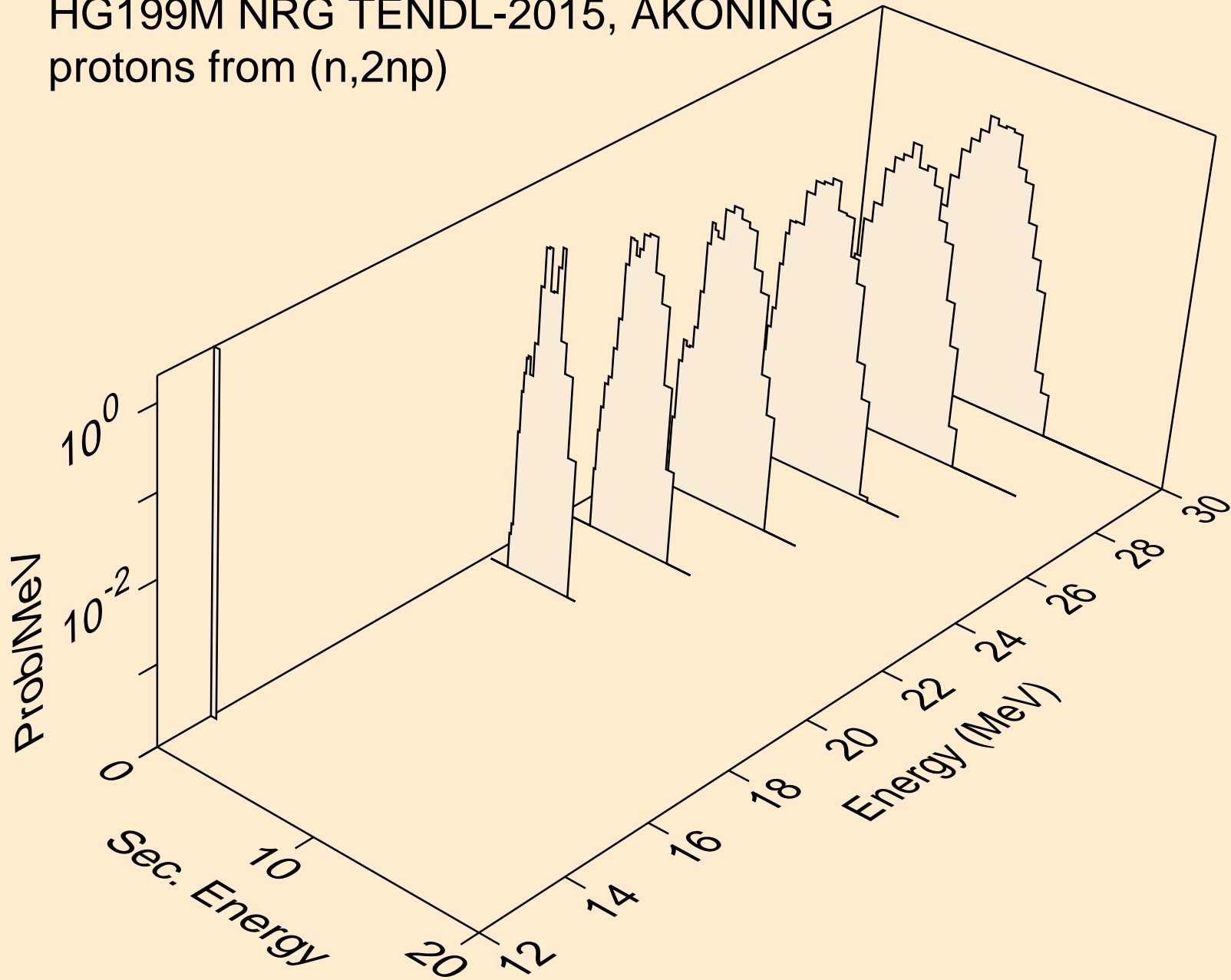
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protons from (n,2np)



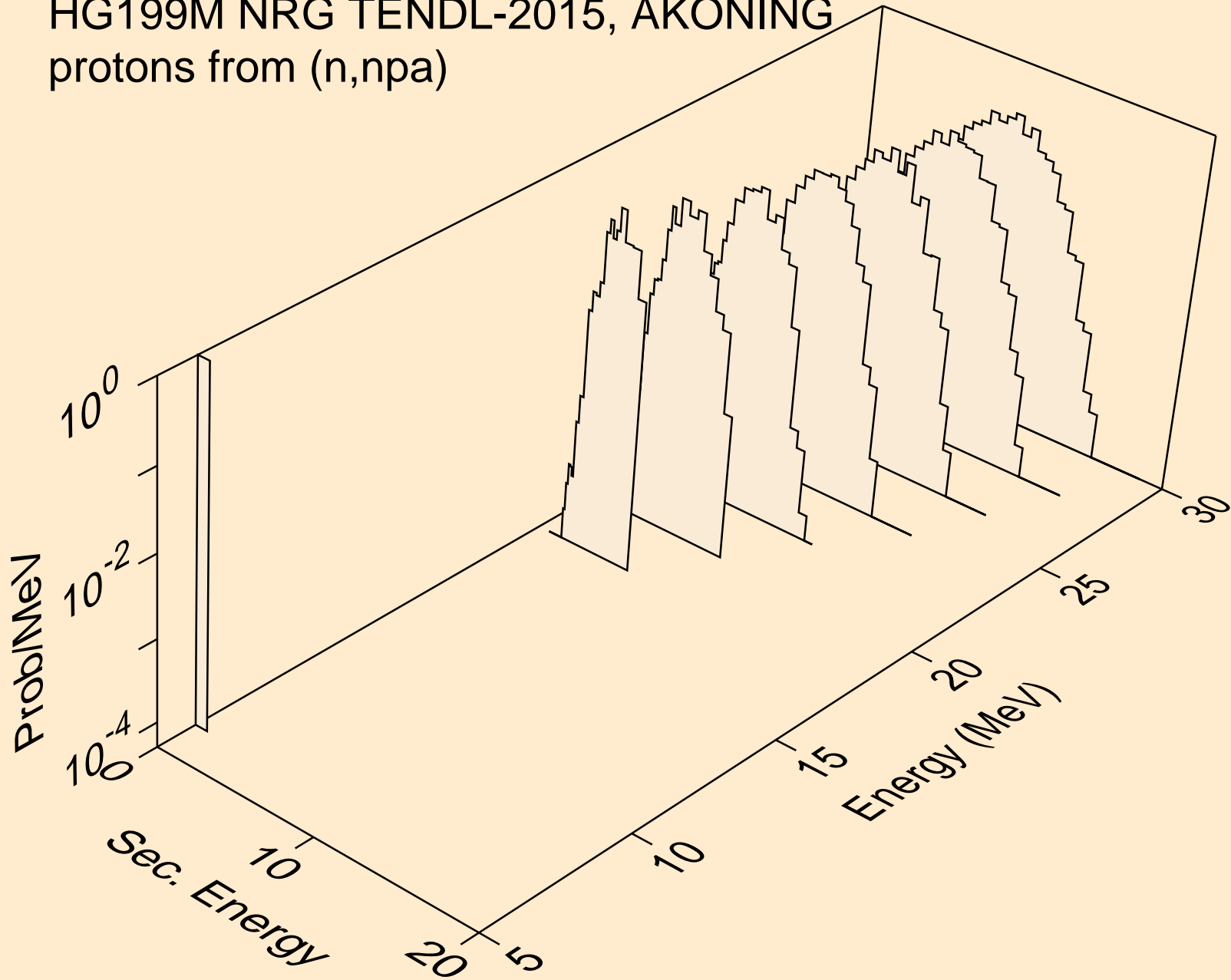
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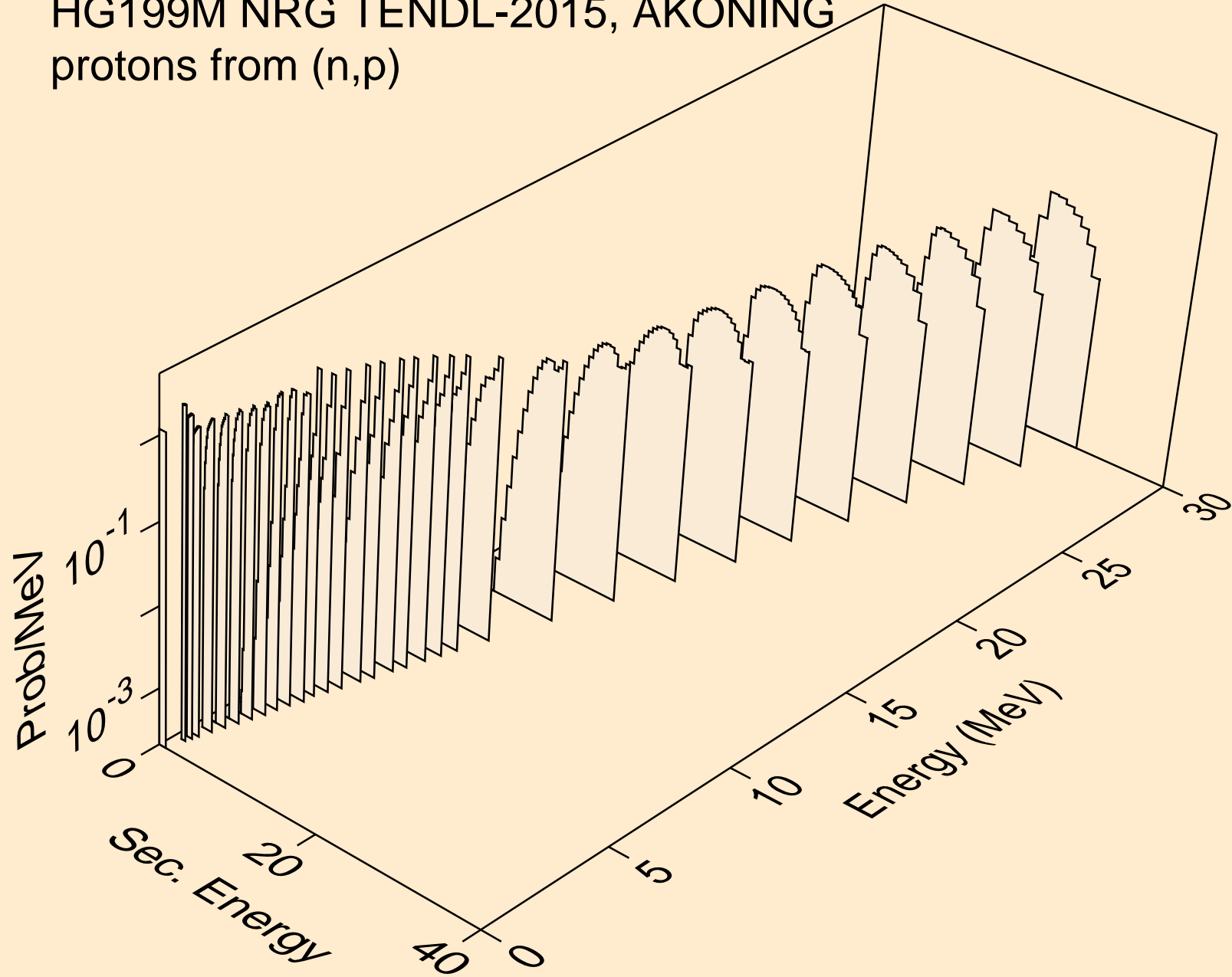
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protons from (n,2np)



HG199M NRG TENDL-2015, AKONING  
protons from (n,npa)

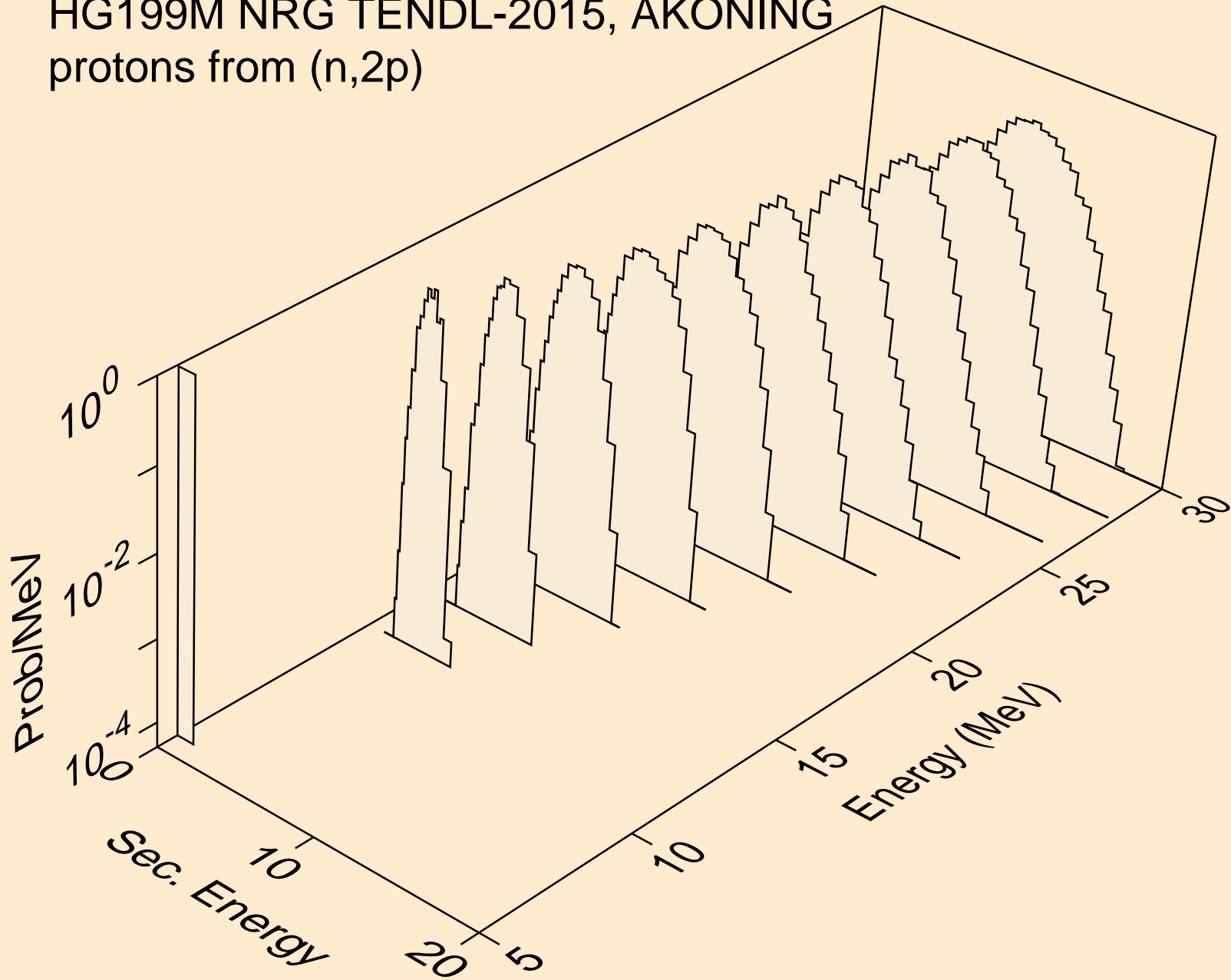


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protons from (n,p)

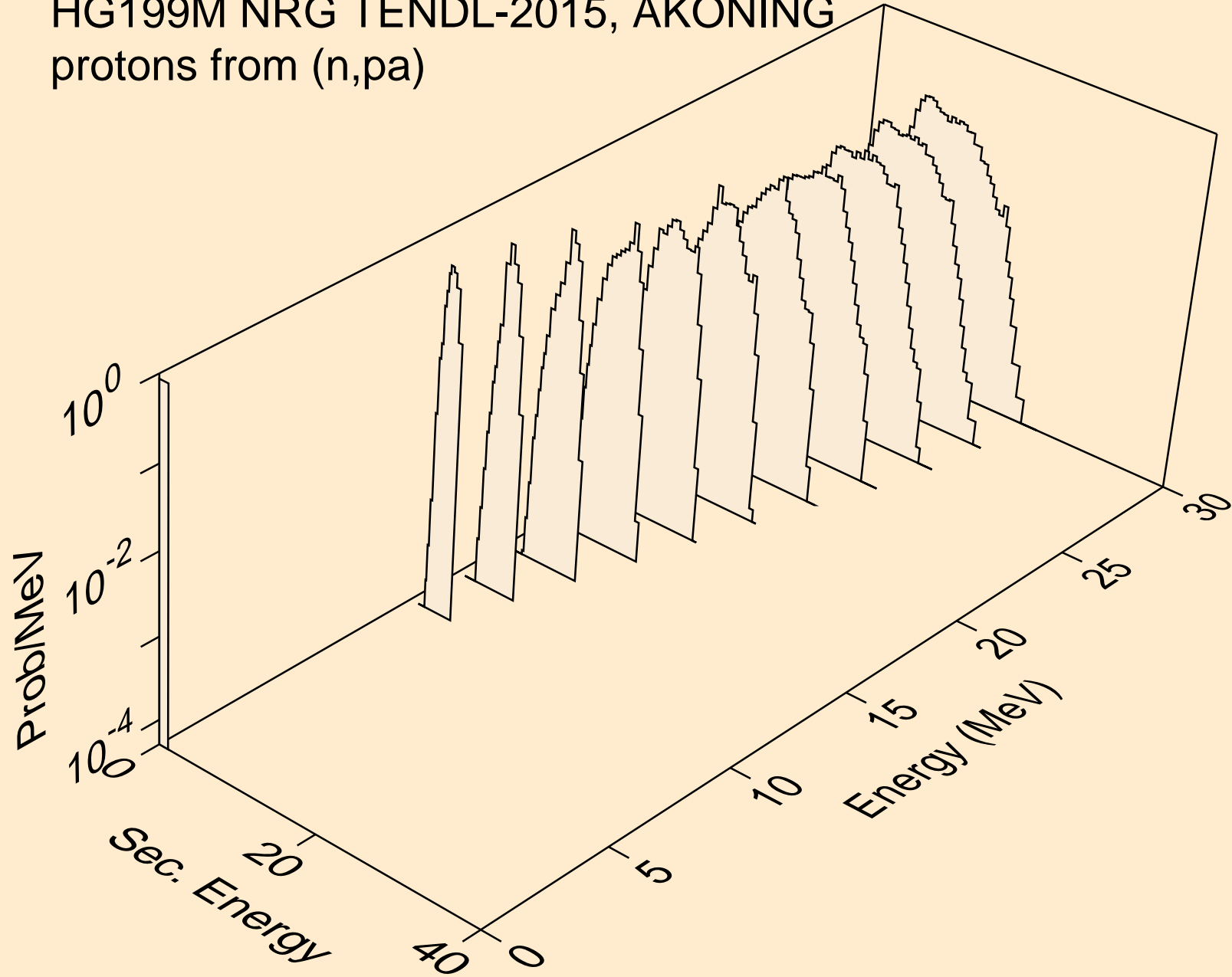




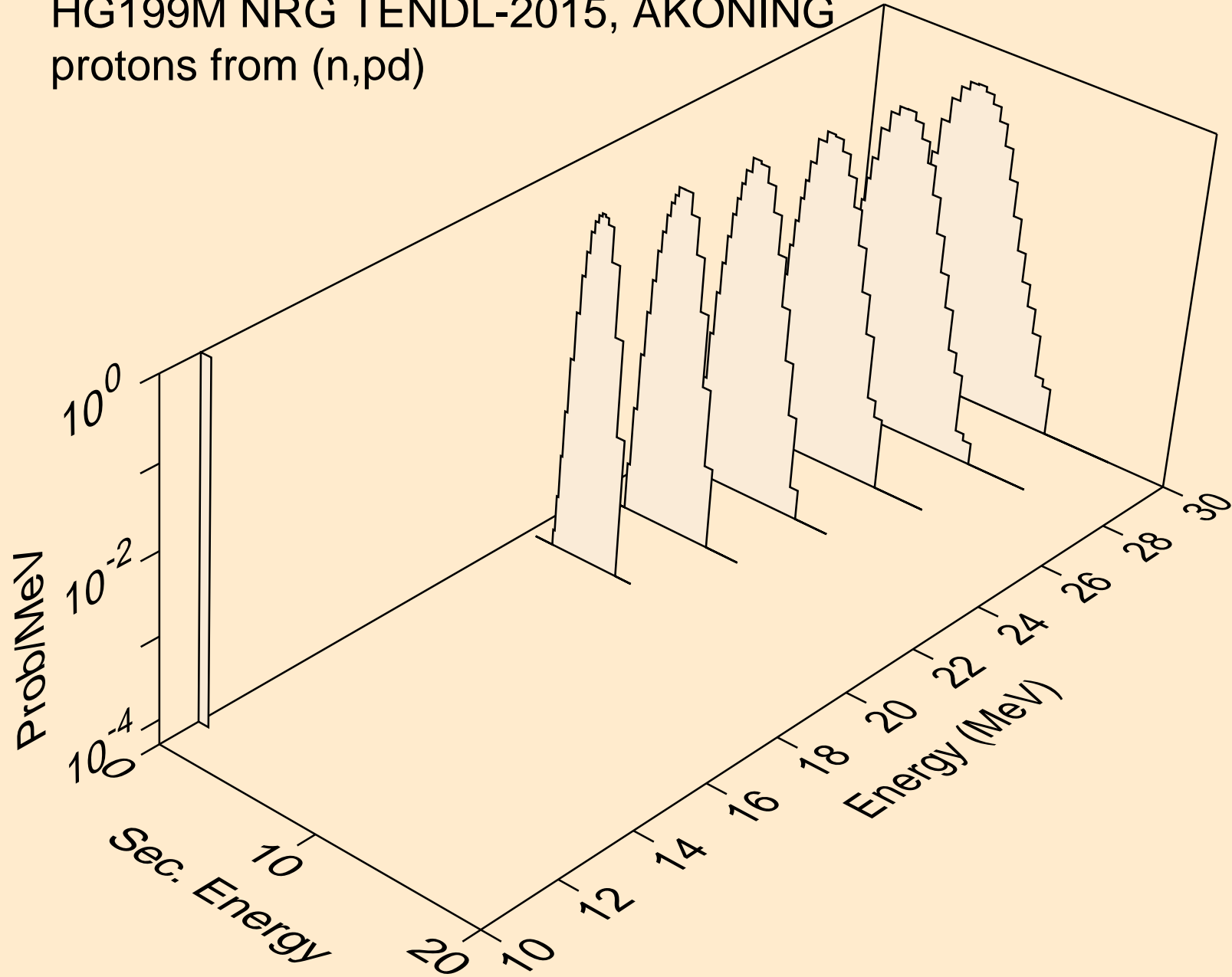
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protons from (n,2p)



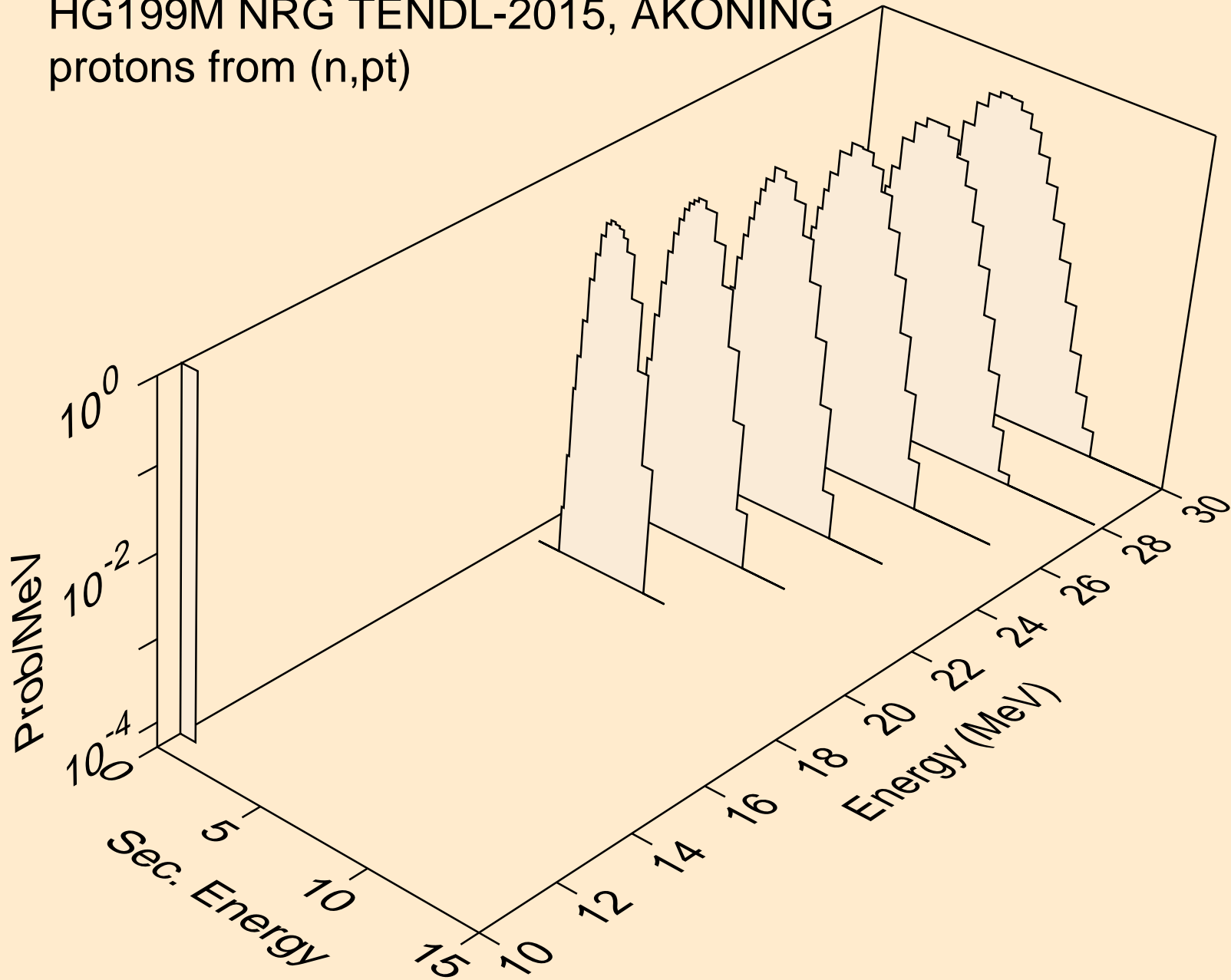
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protons from (n,pa)



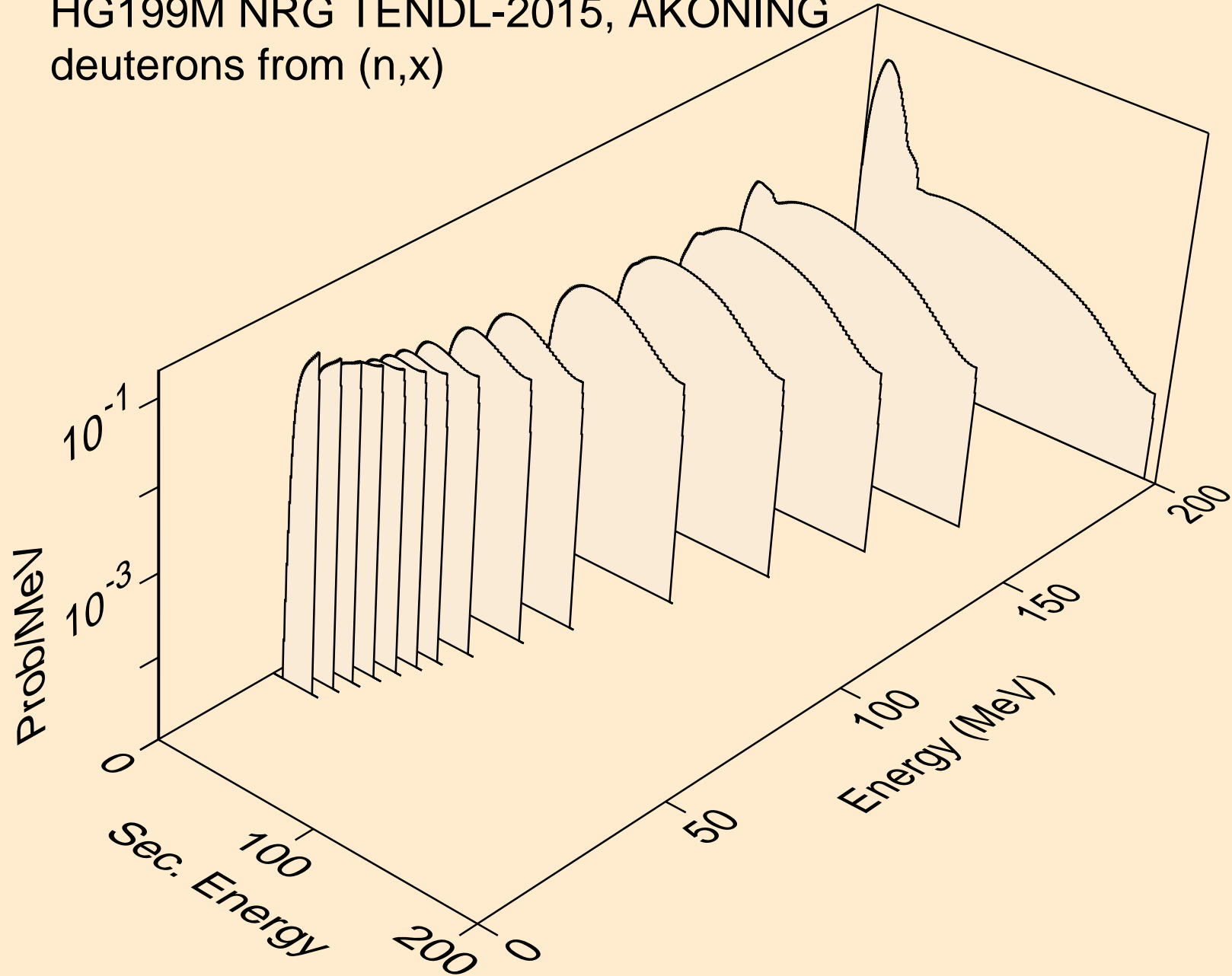
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protons from (n,pd)



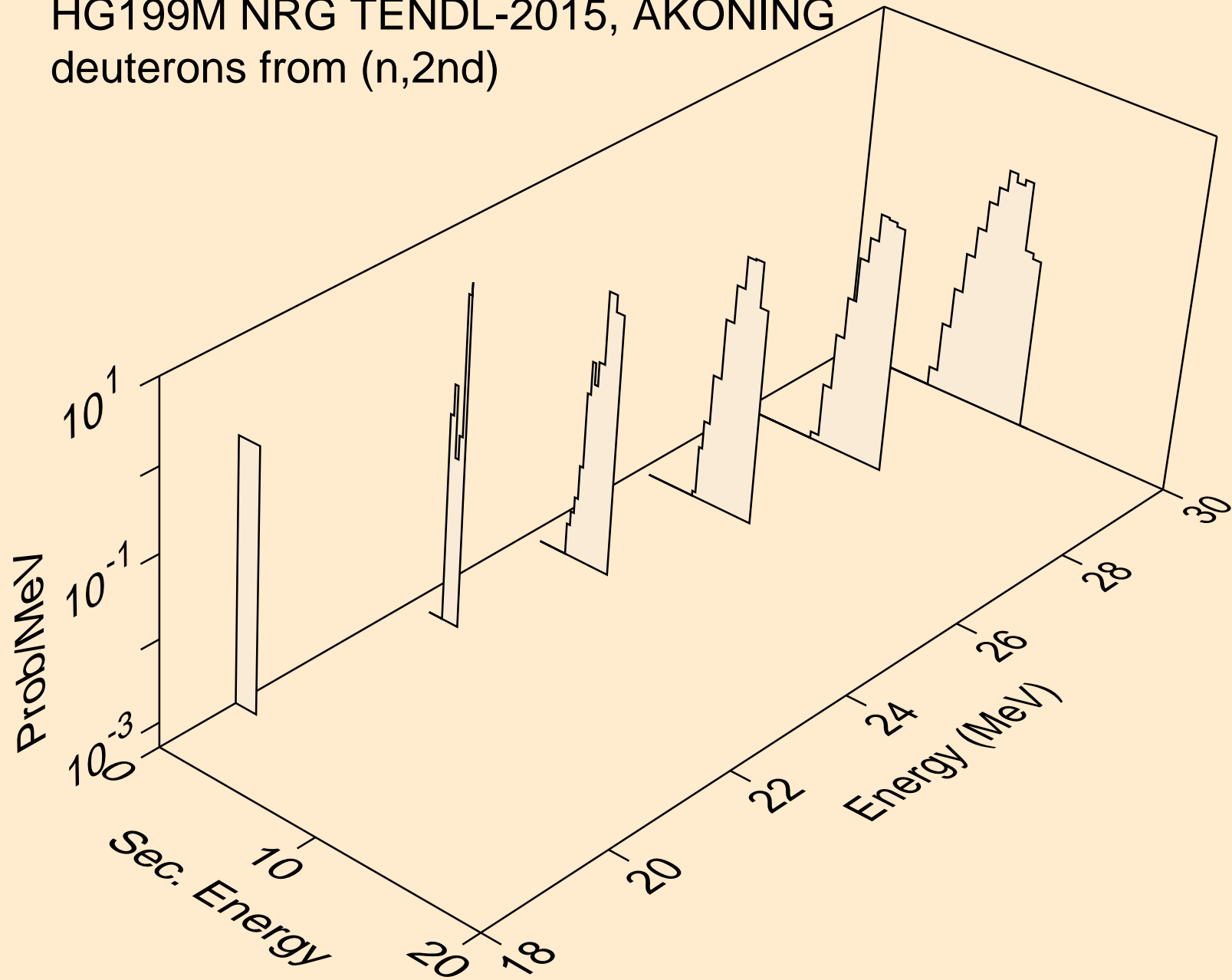
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protons from (n,pt)



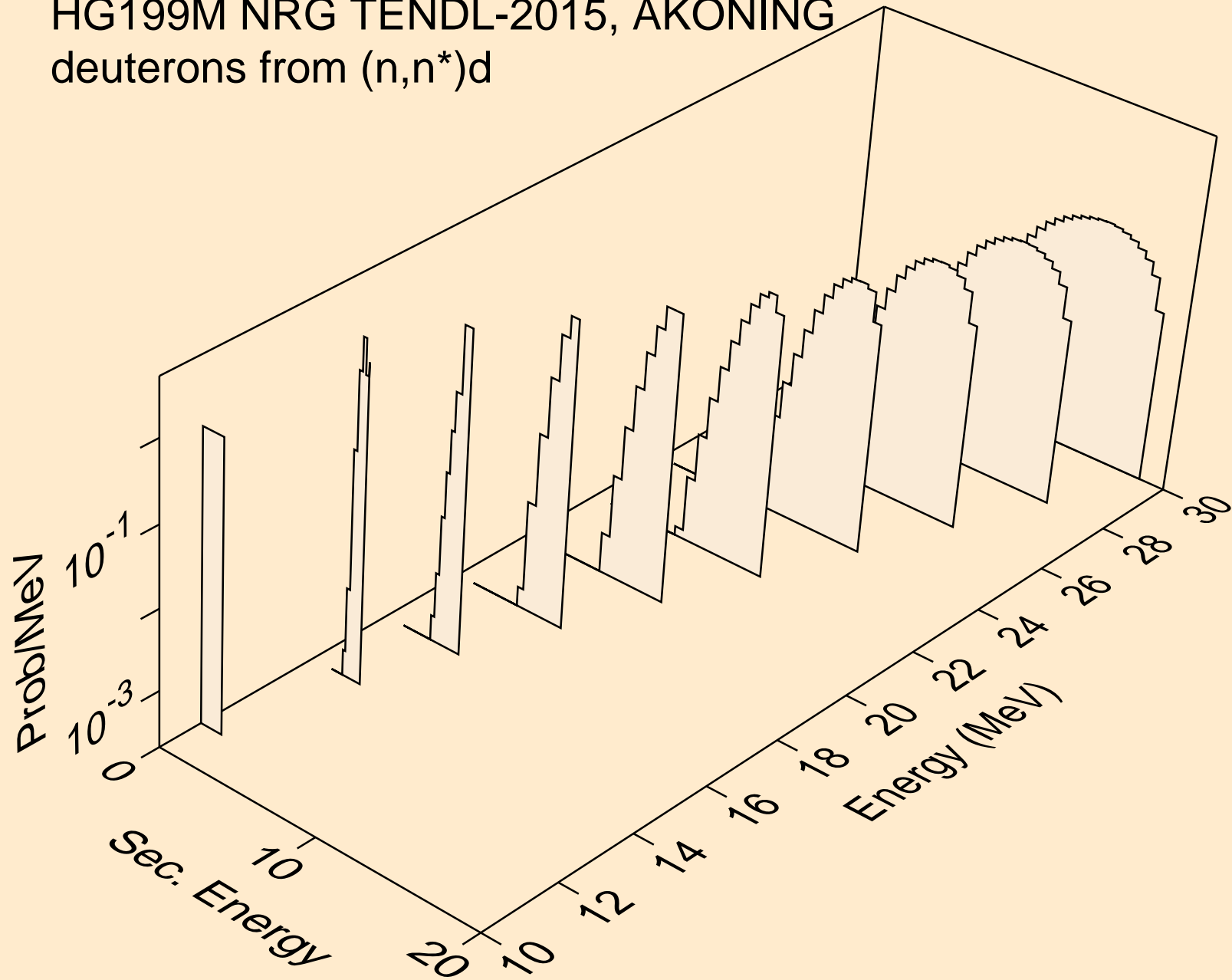
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deuterons from (n,x)



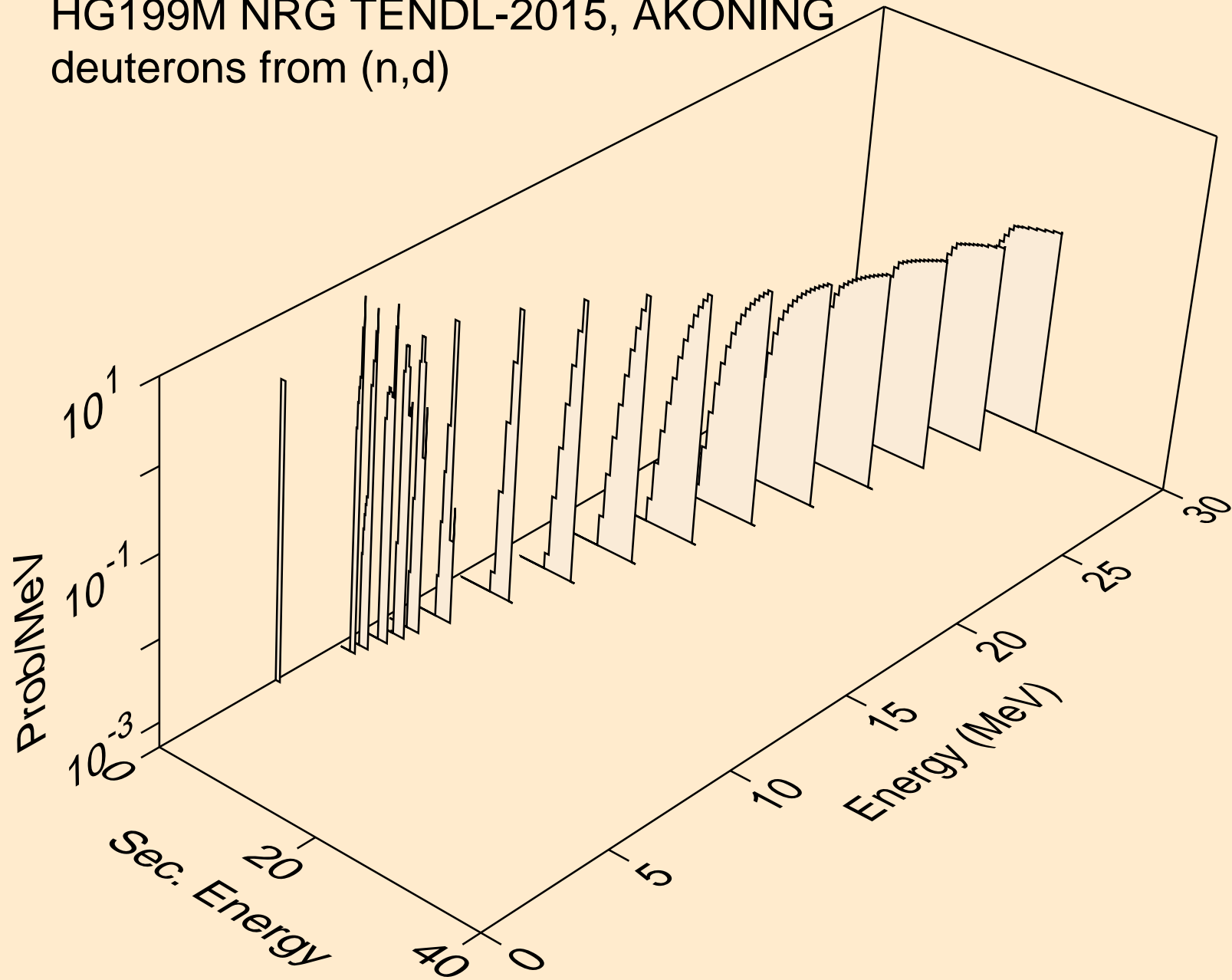
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deuterons from (n,2nd)



HG199M NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

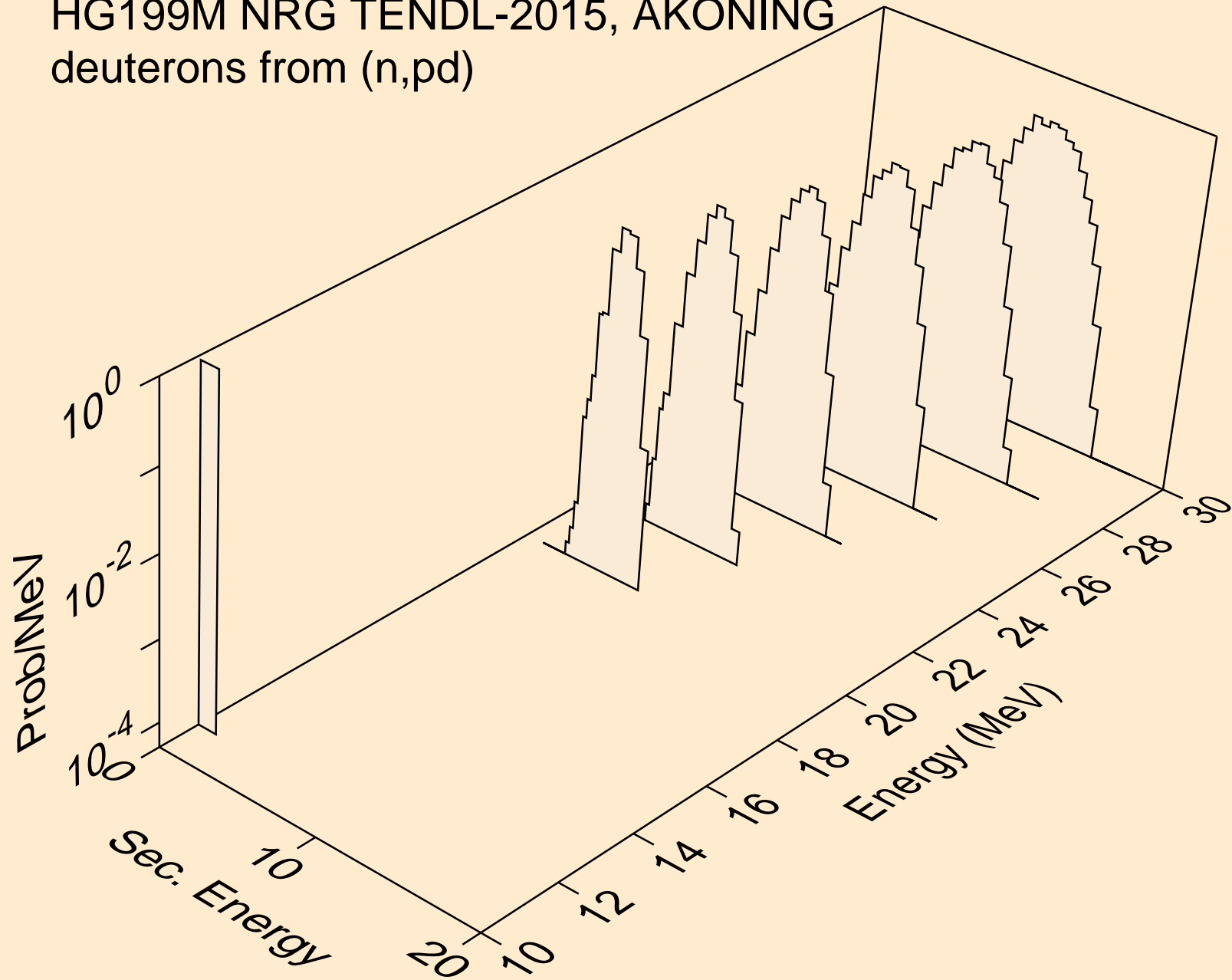


HG199M NRG TENDL-2015, AKONING  
deuterons from (n,d)

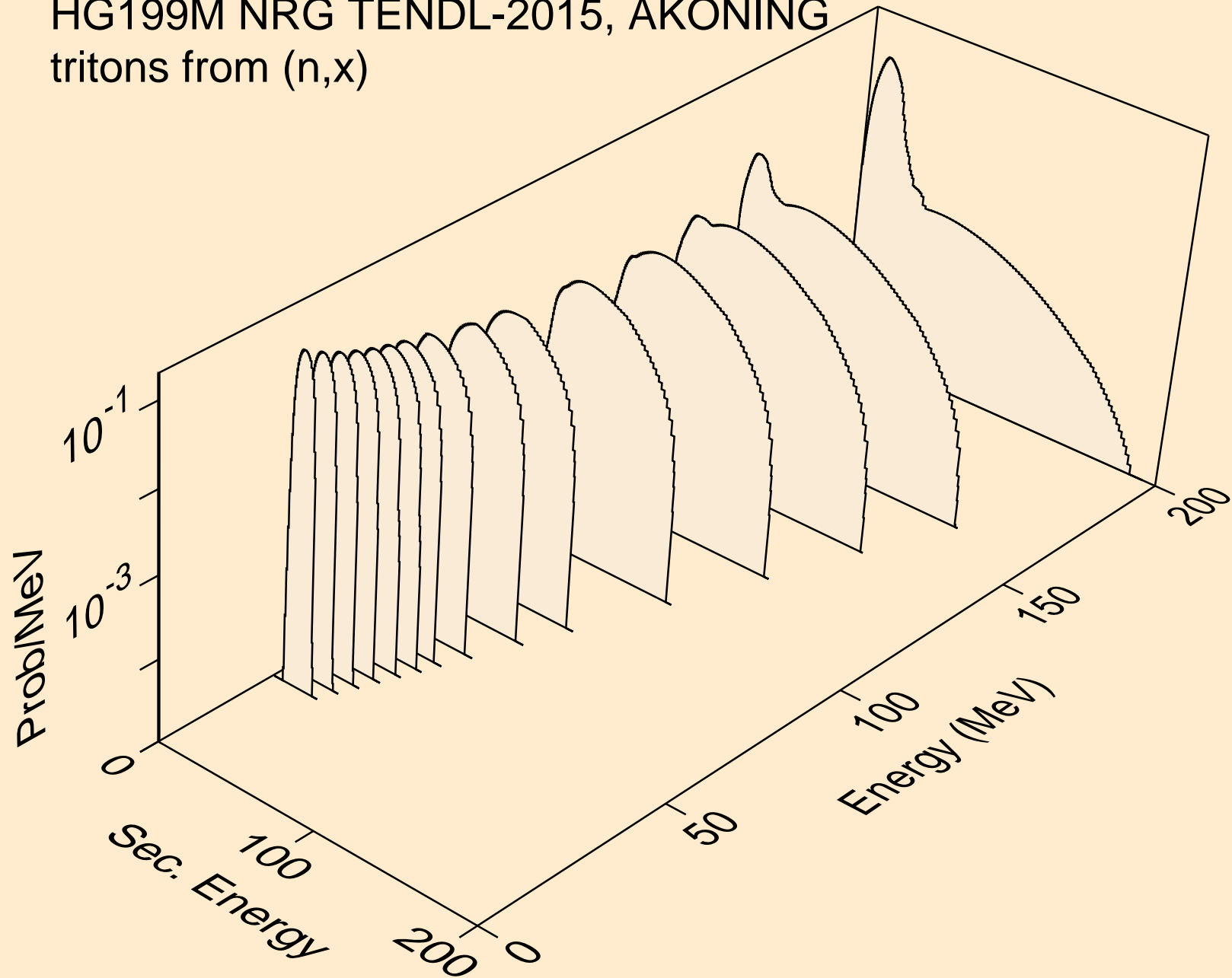




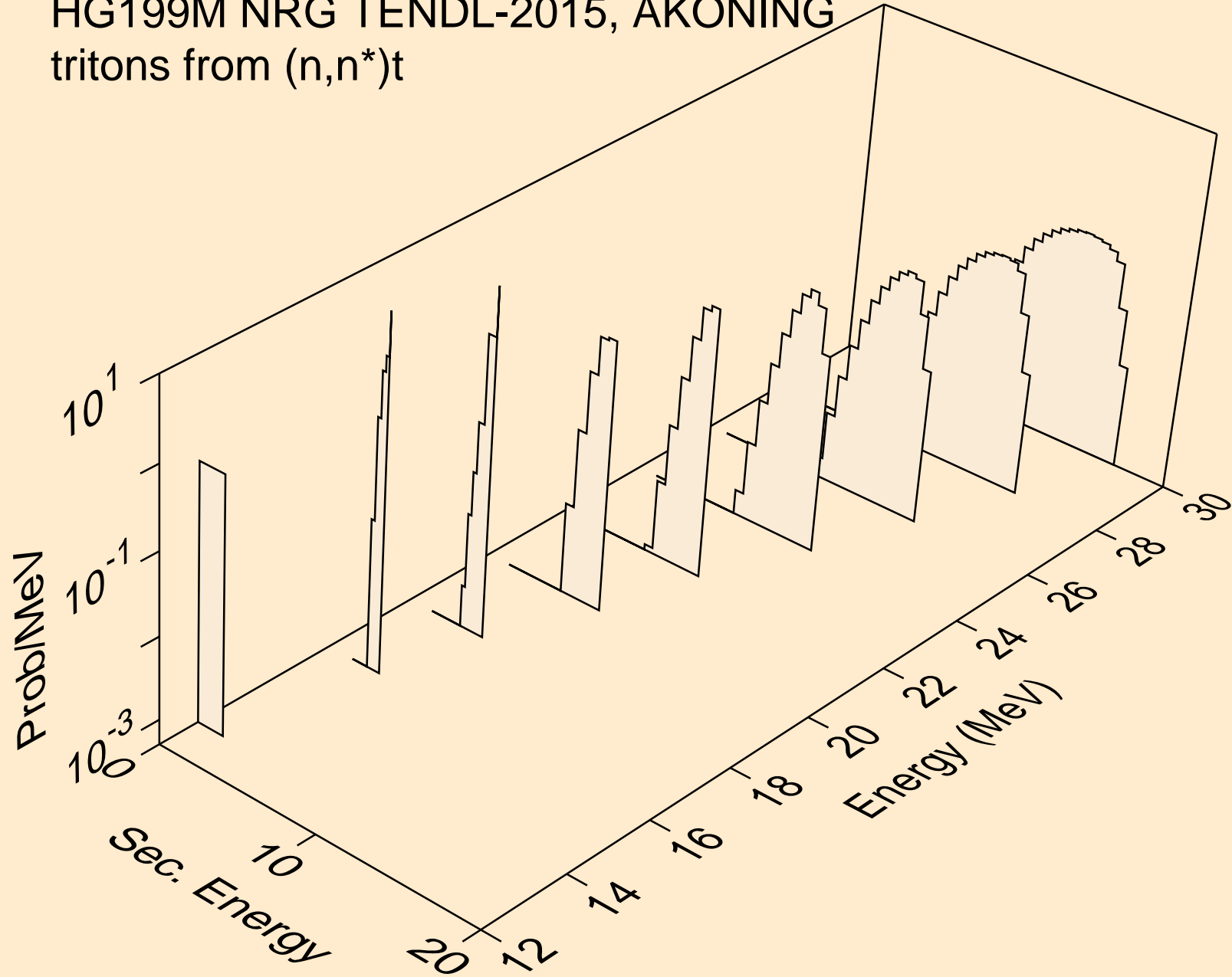
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deuterons from (n,pd)



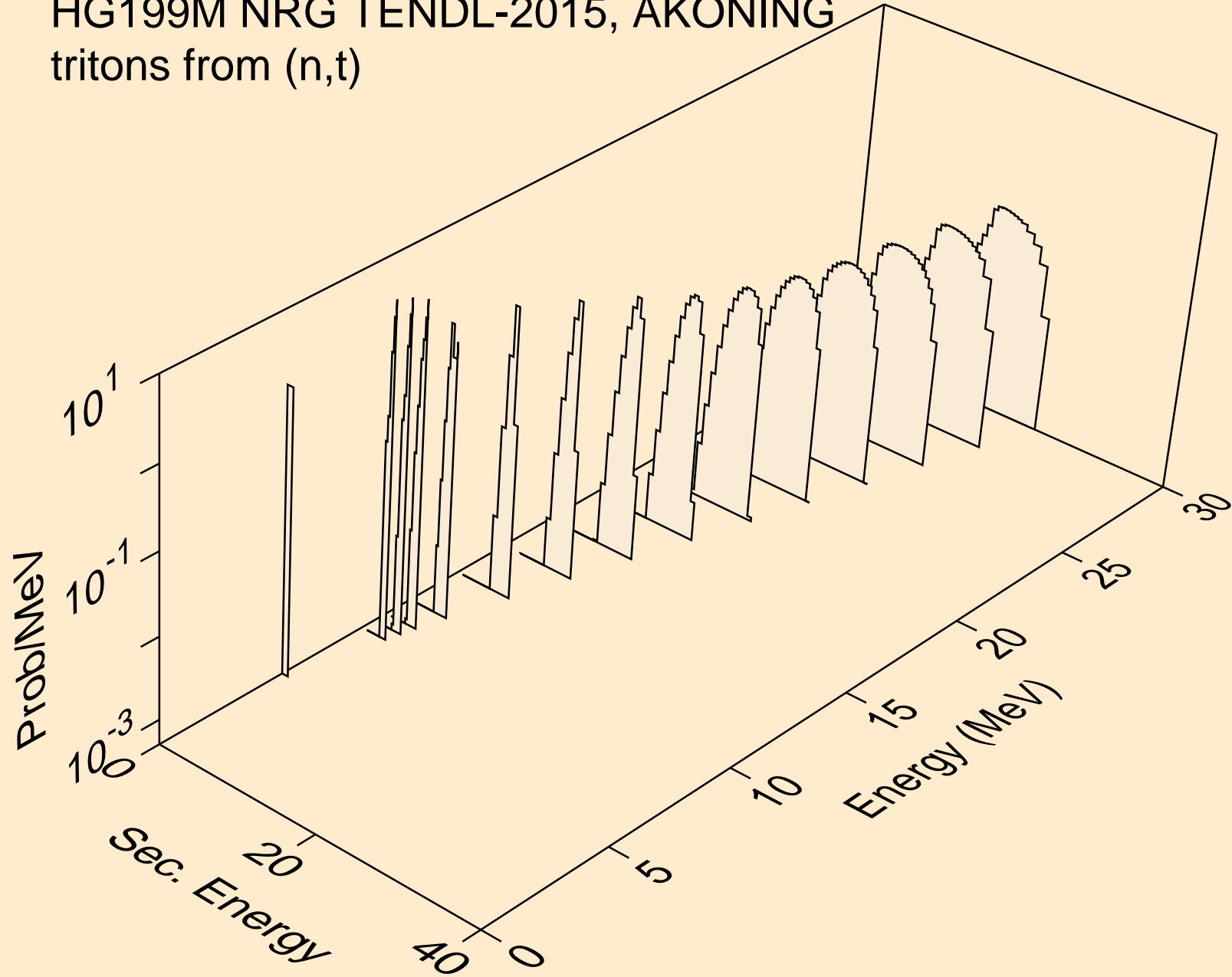
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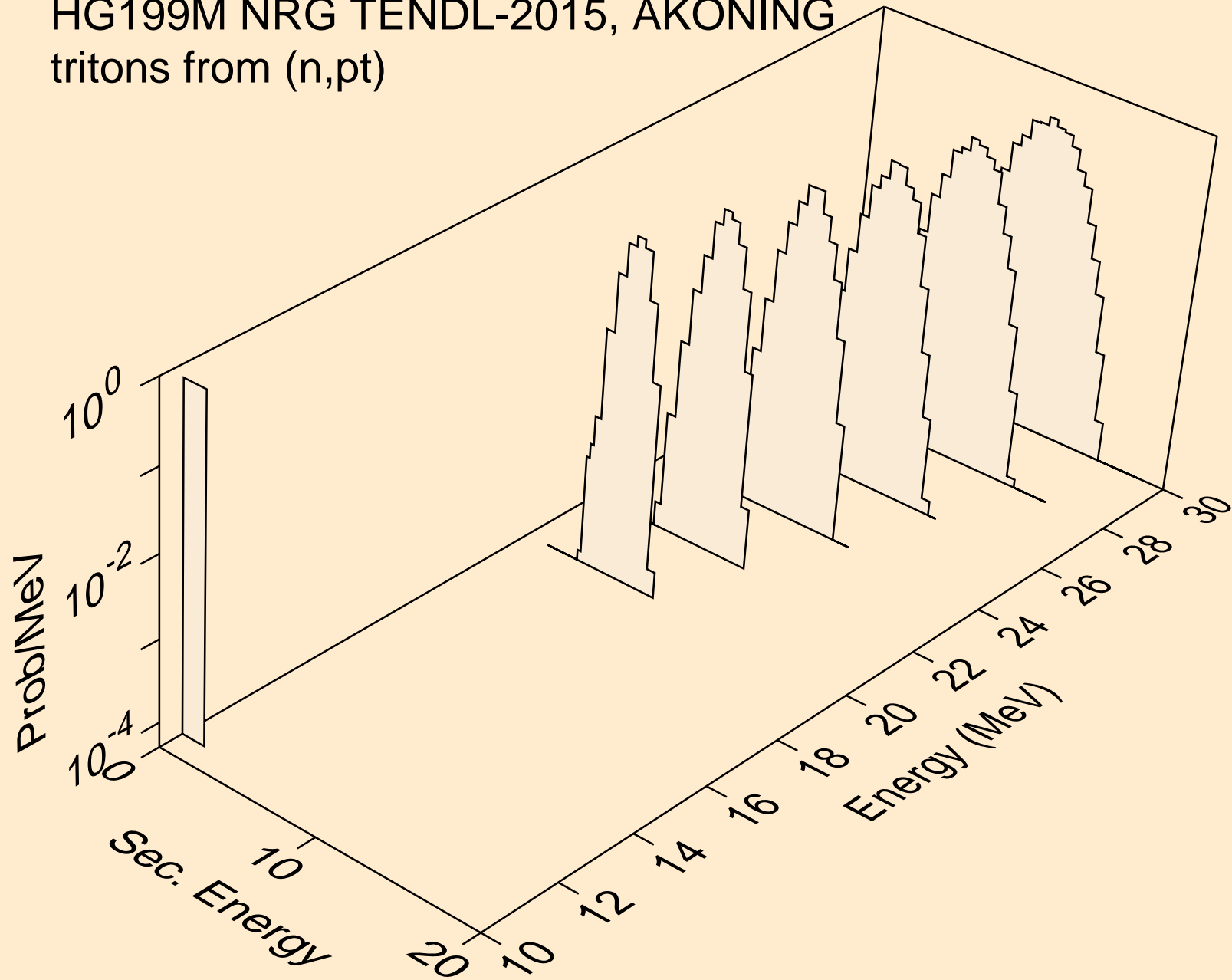
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tritons from (n,n\*)t



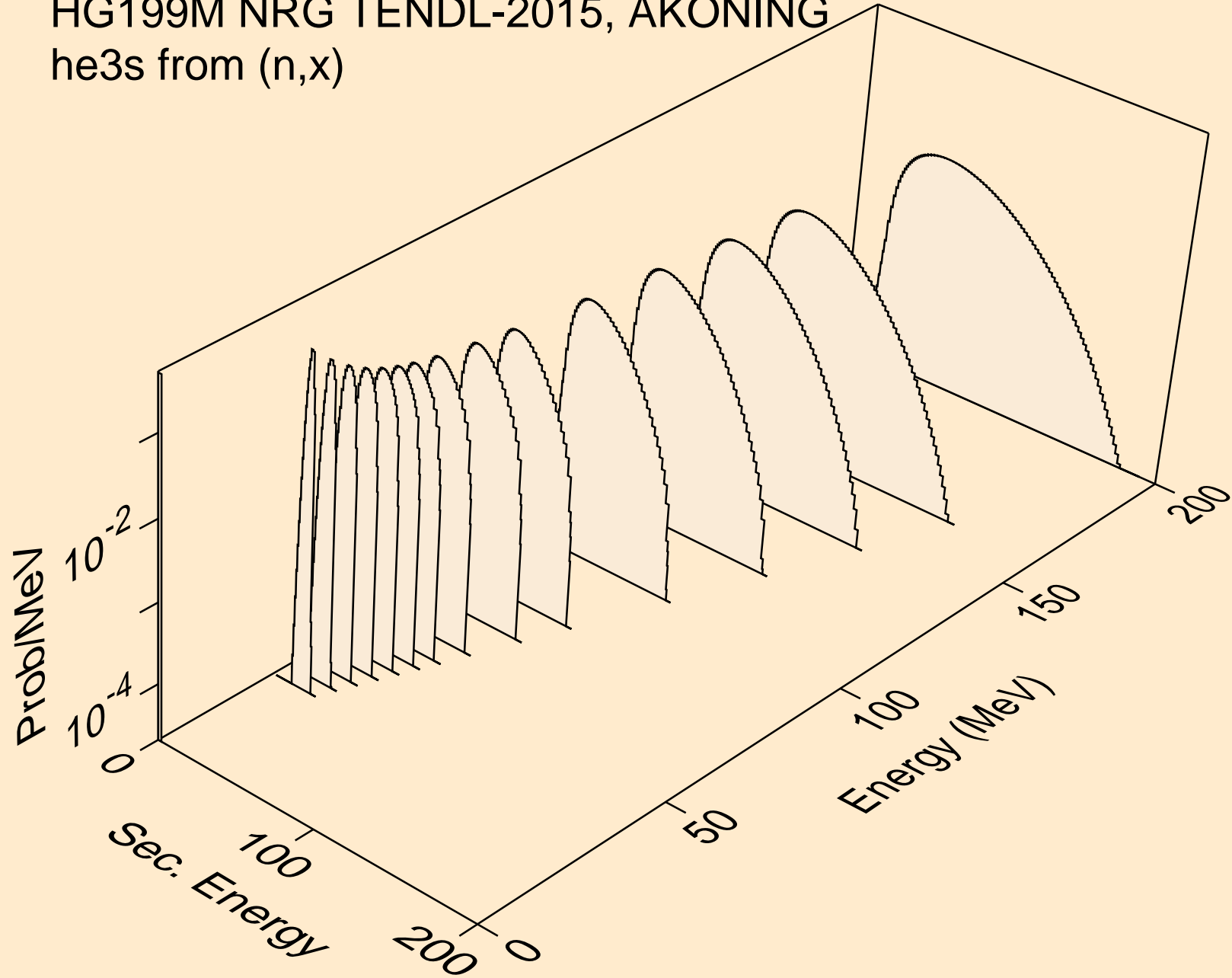
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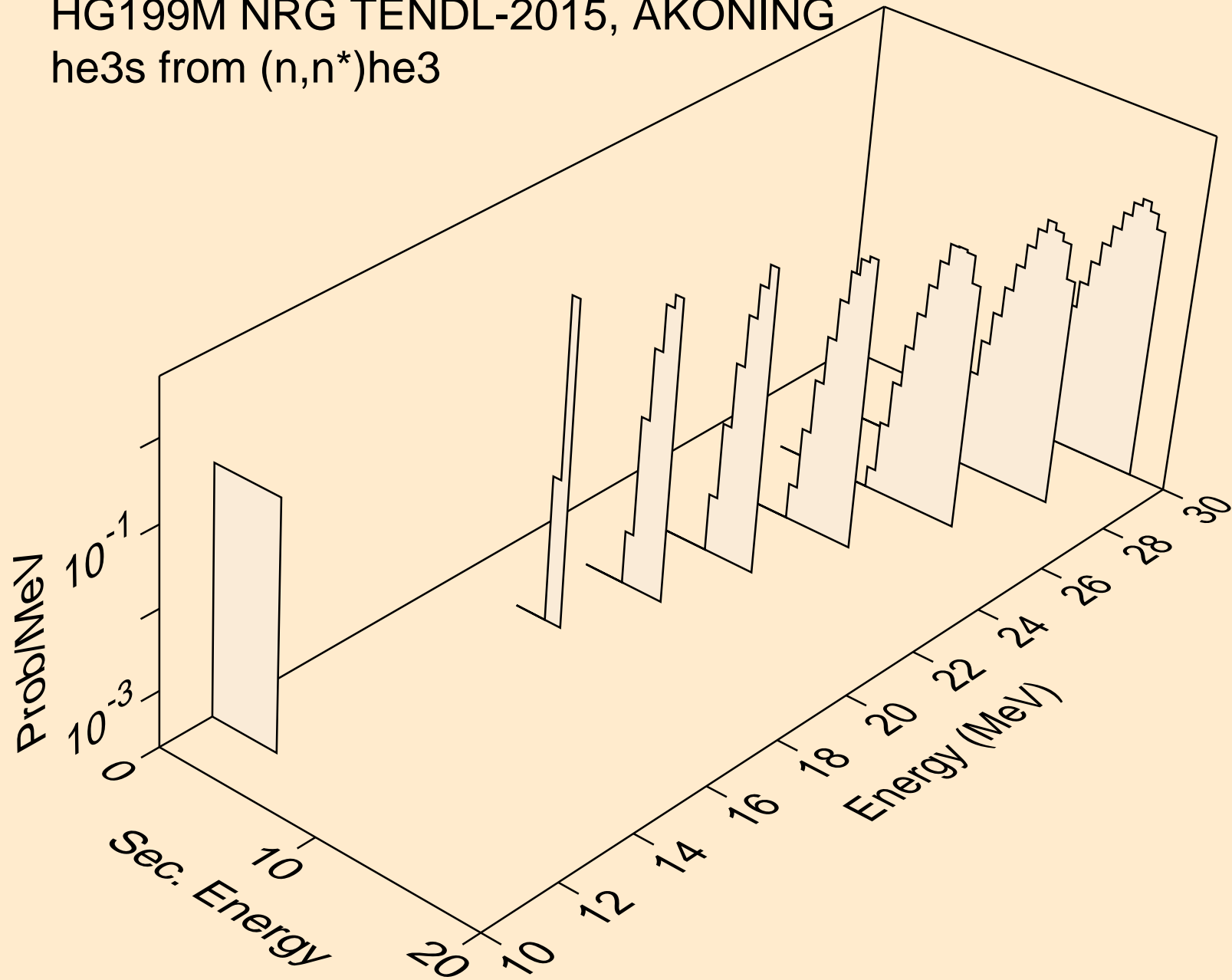
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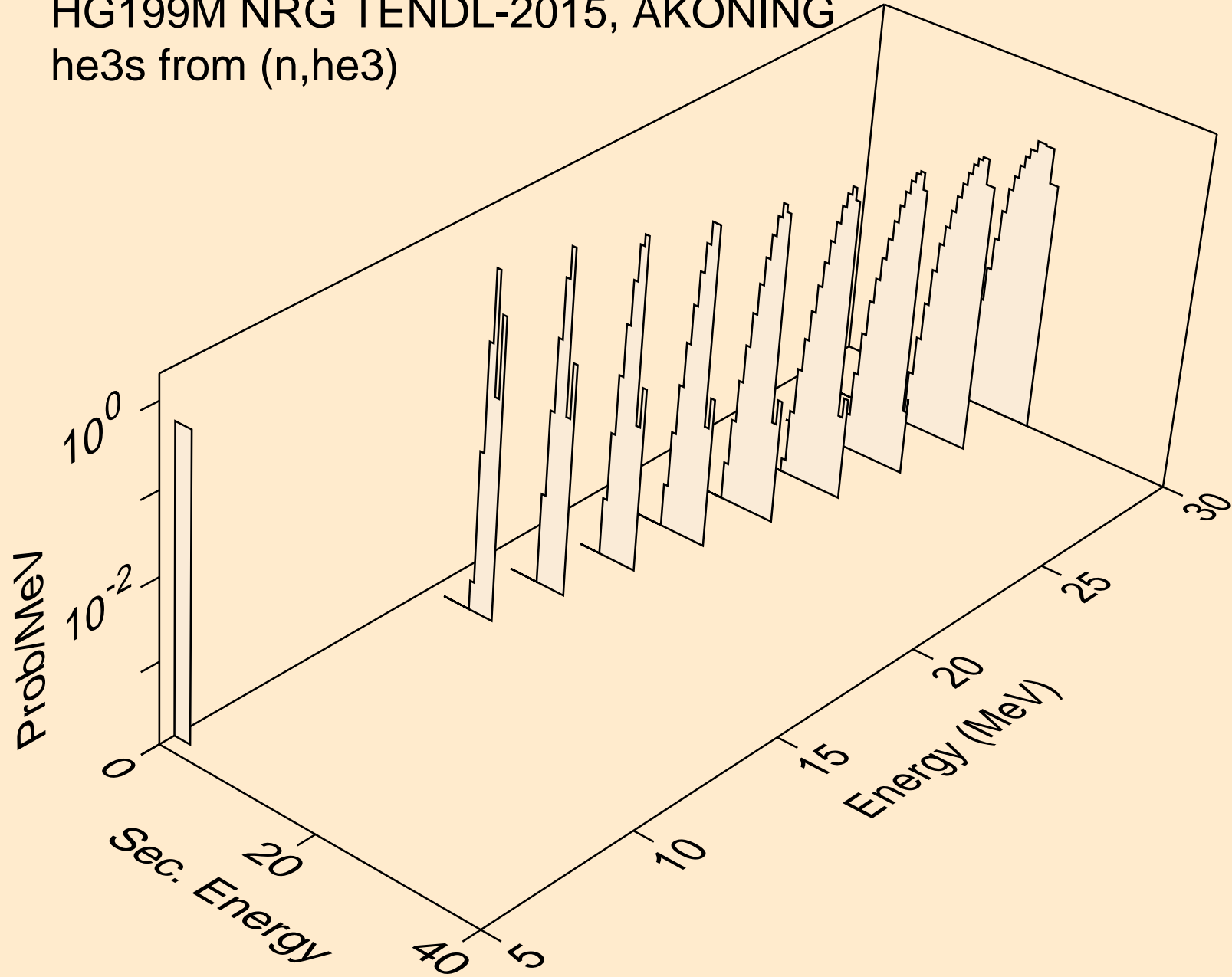
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he3s from (n,x)



HG199M NRG TENDL-2015, AKONING  
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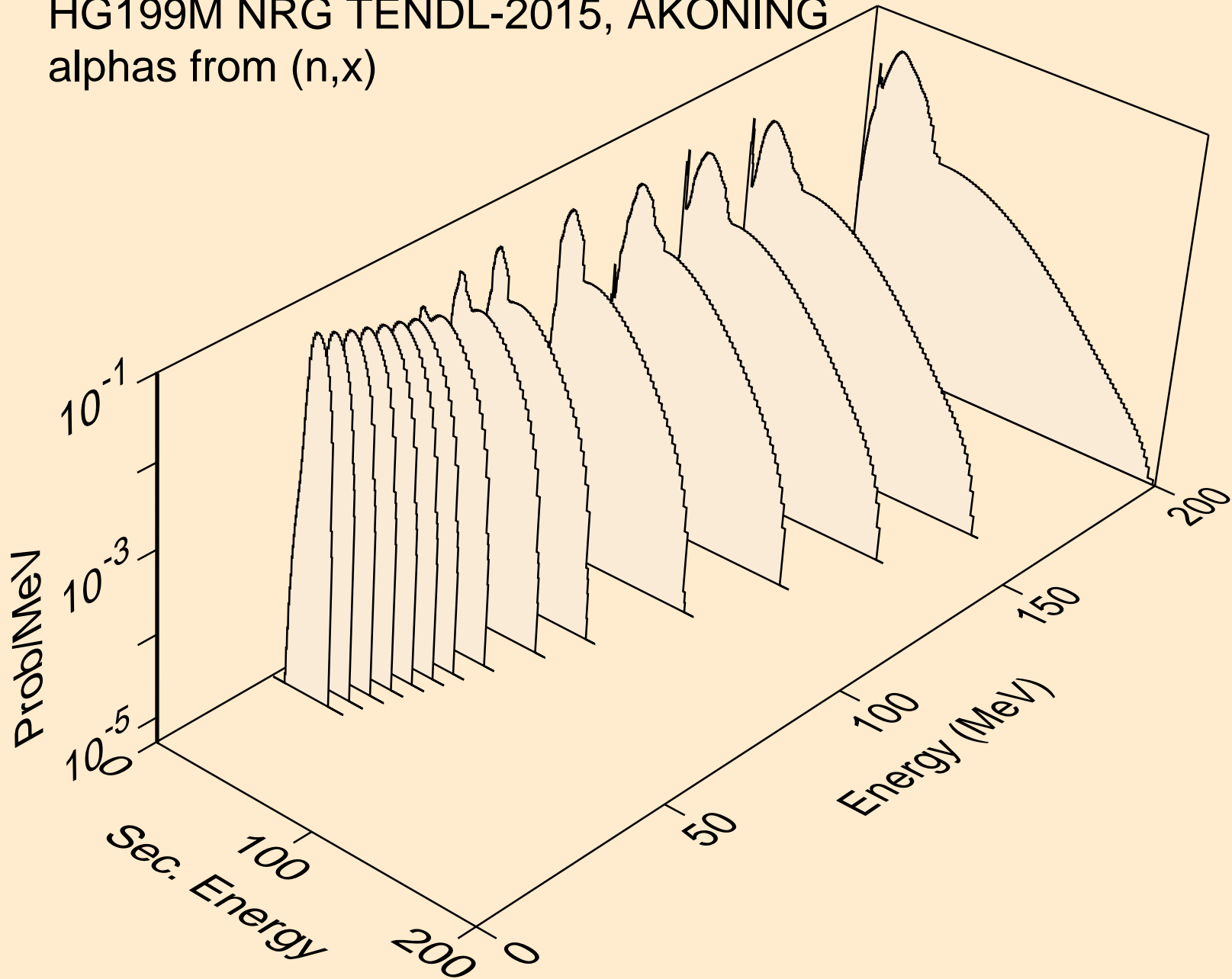


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he3s from (n,he3)

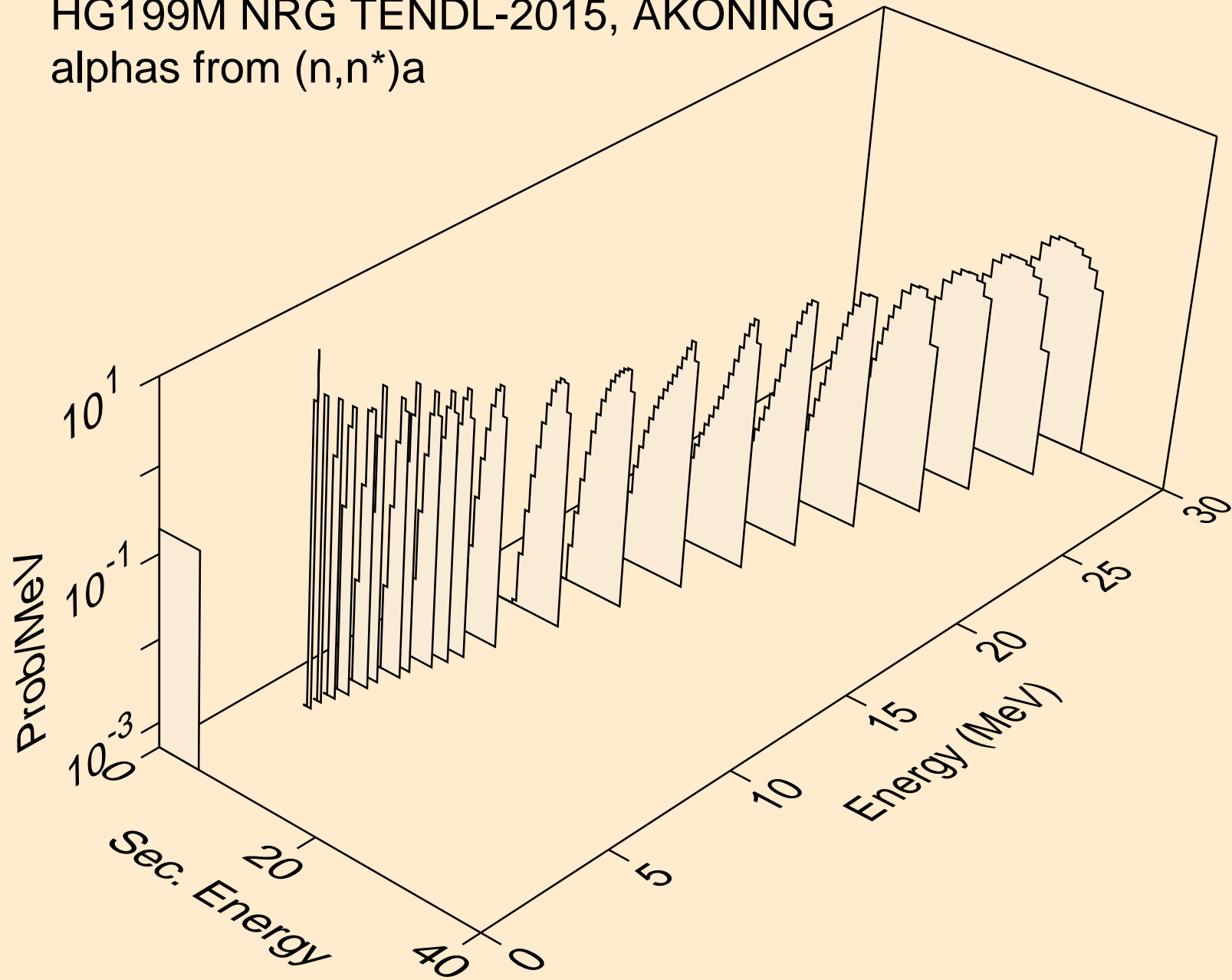




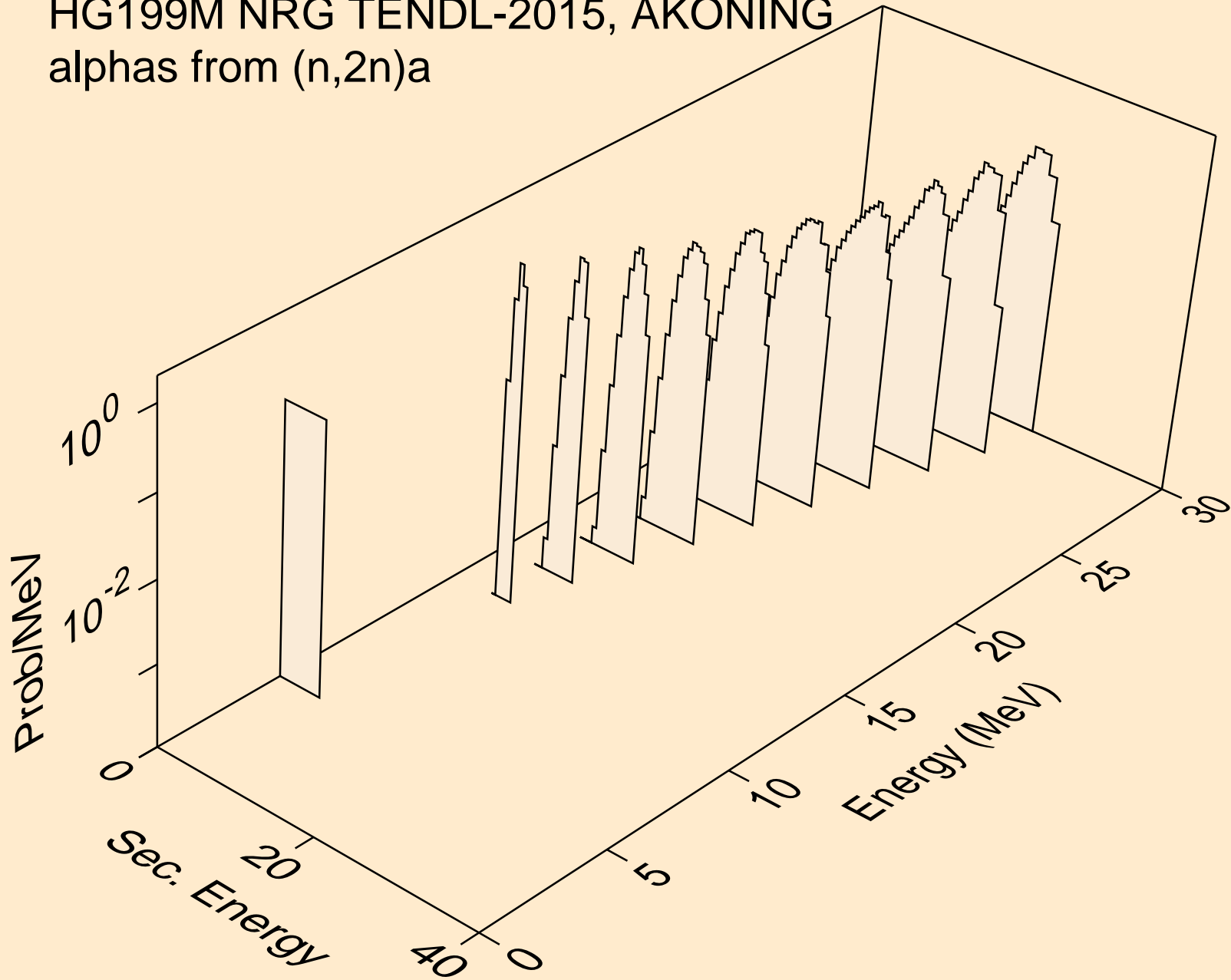
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alphas from (n,x)



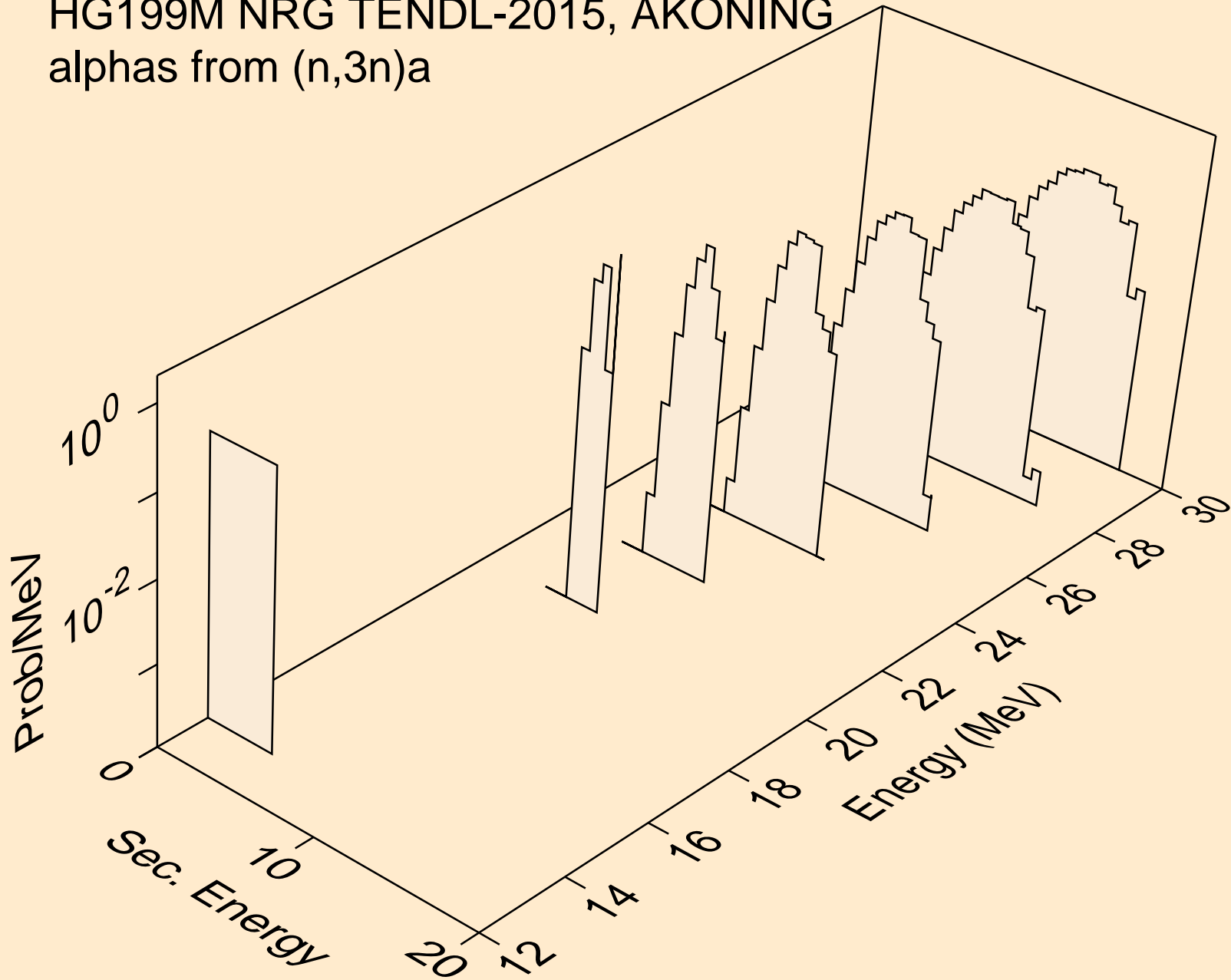
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alphas from (n,n\*)a



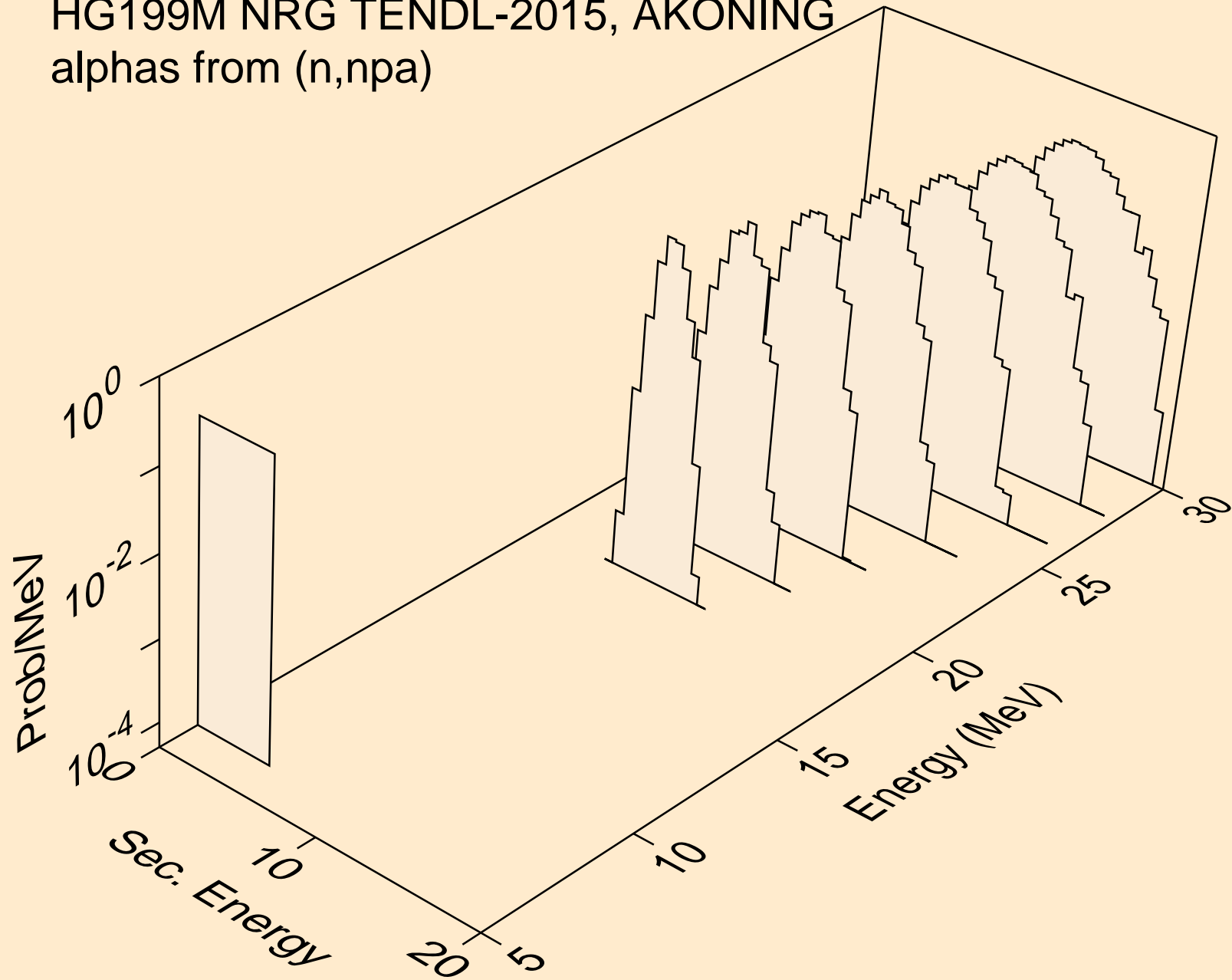
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alphas from (n,2n)a



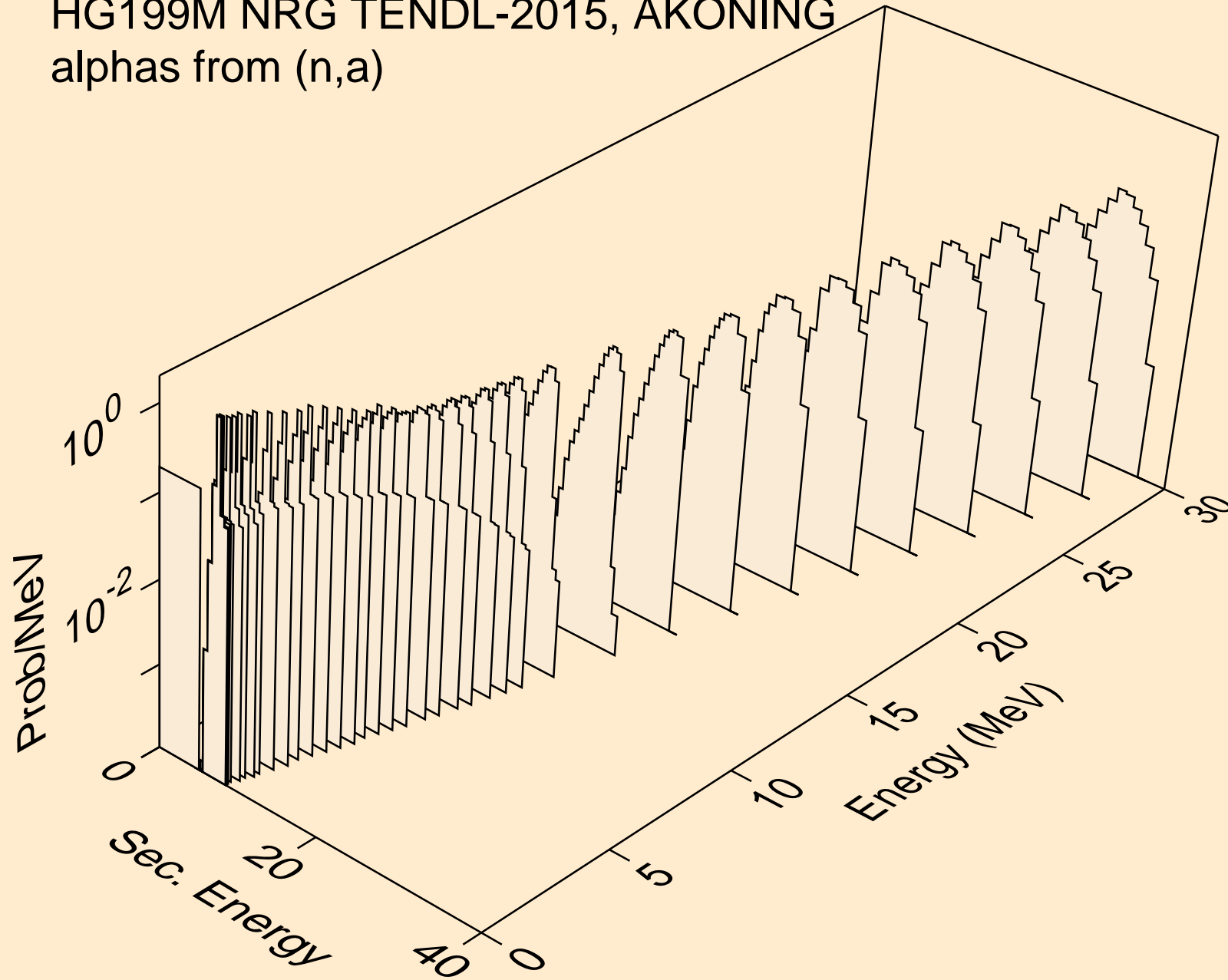
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alphas from (n,3n)a



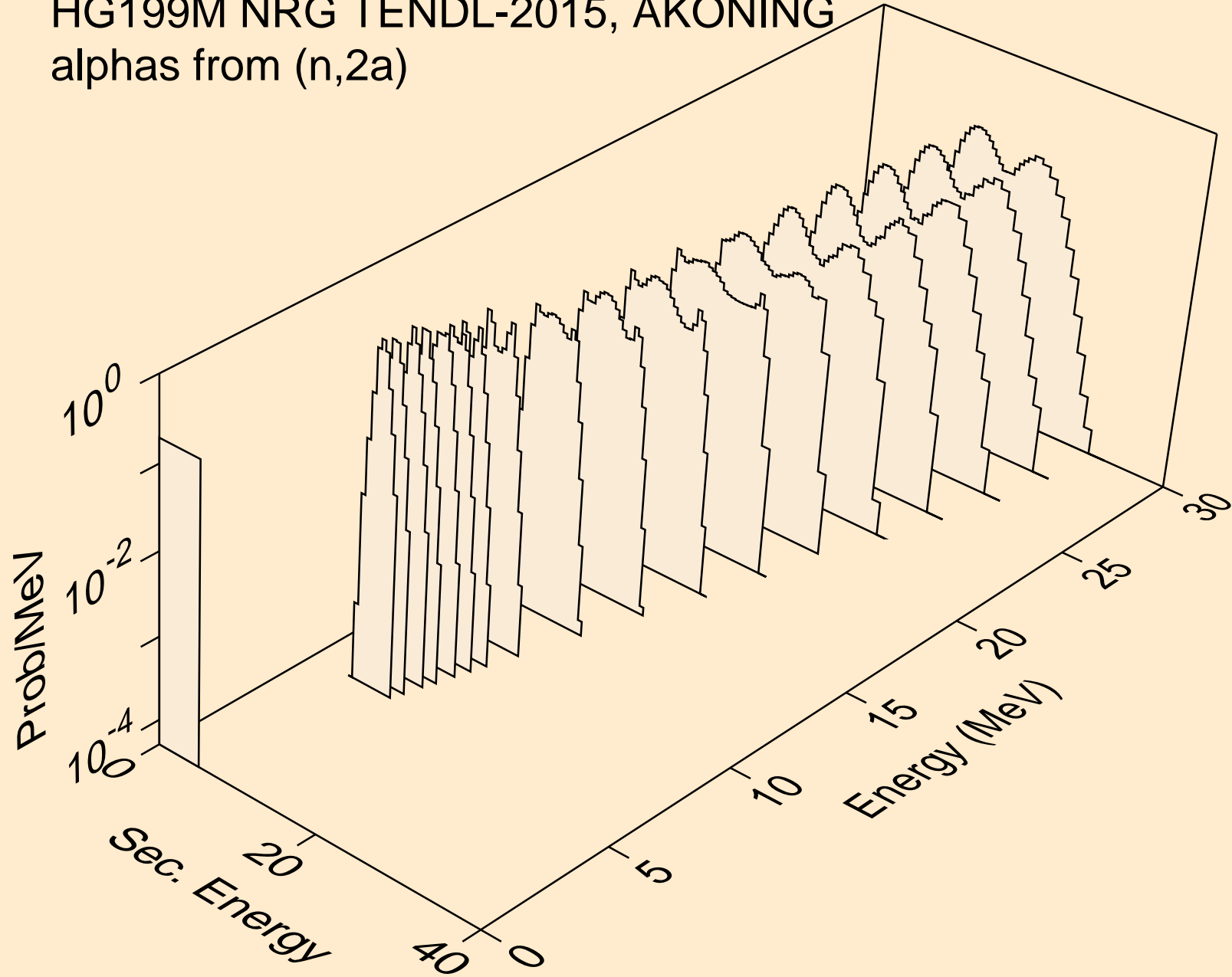
HG199M NRG TENDL-2015, AKONING  
alphas from (n,npa)



HG199M NRG TENDL-2015, AKONING  
alphas from (n,a)



HG199M NRG TENDL-2015, AKONING  
alphas from (n,2a)



HG199M NRG TENDL-2015, AKONING  
alphas from (n,pa)

