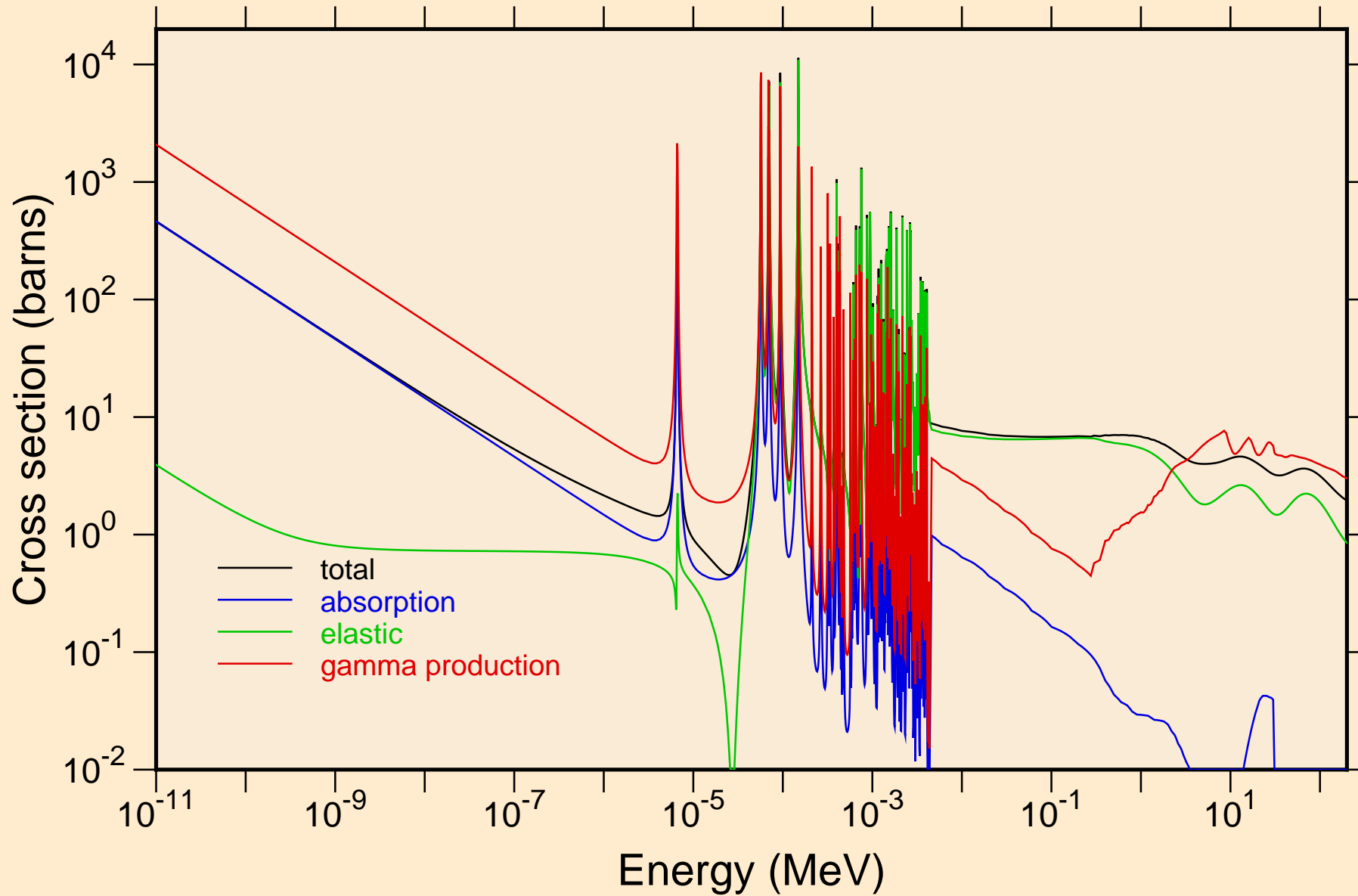
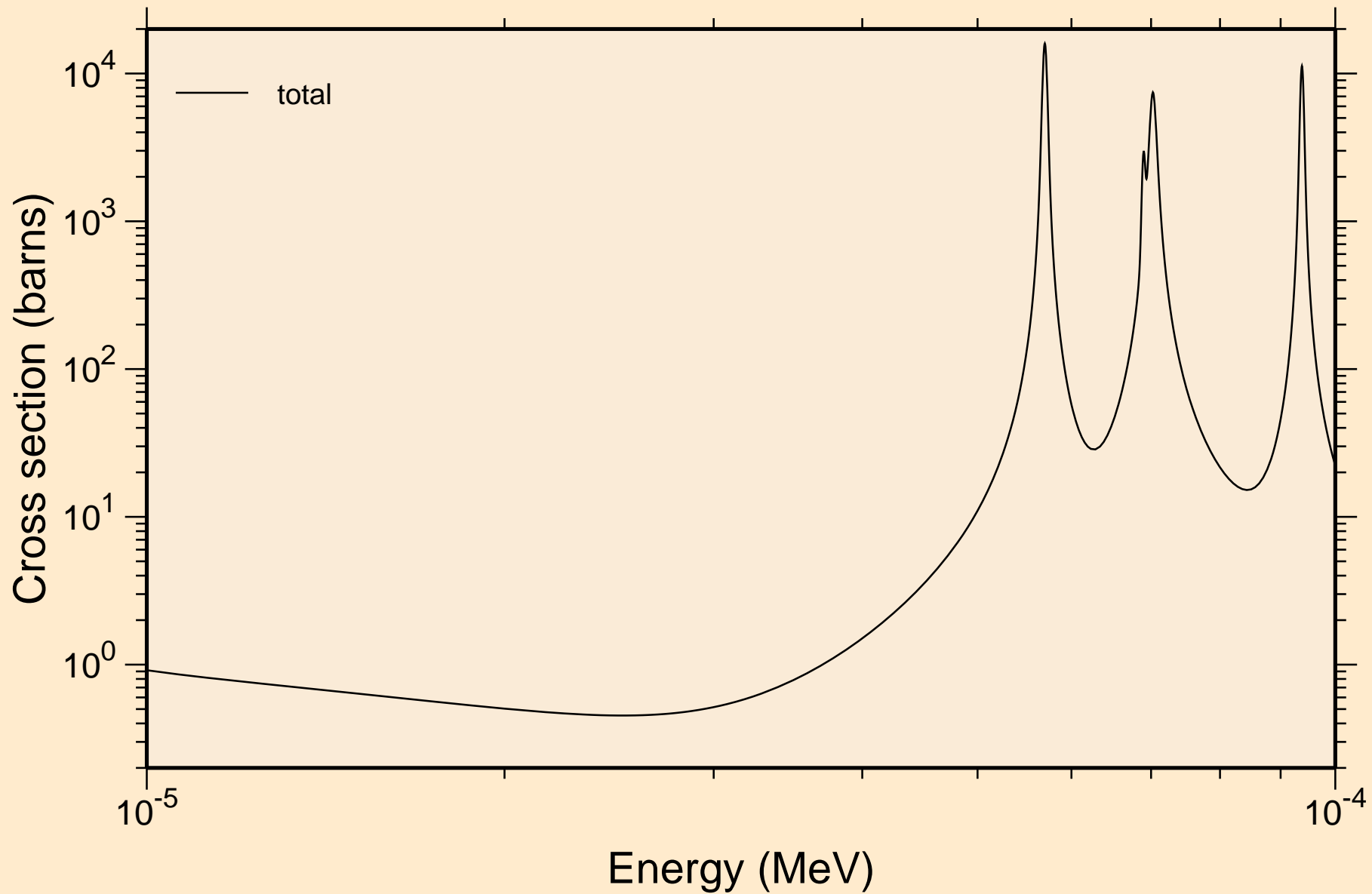


# IN117M NRG TENDL-2015, AKONING

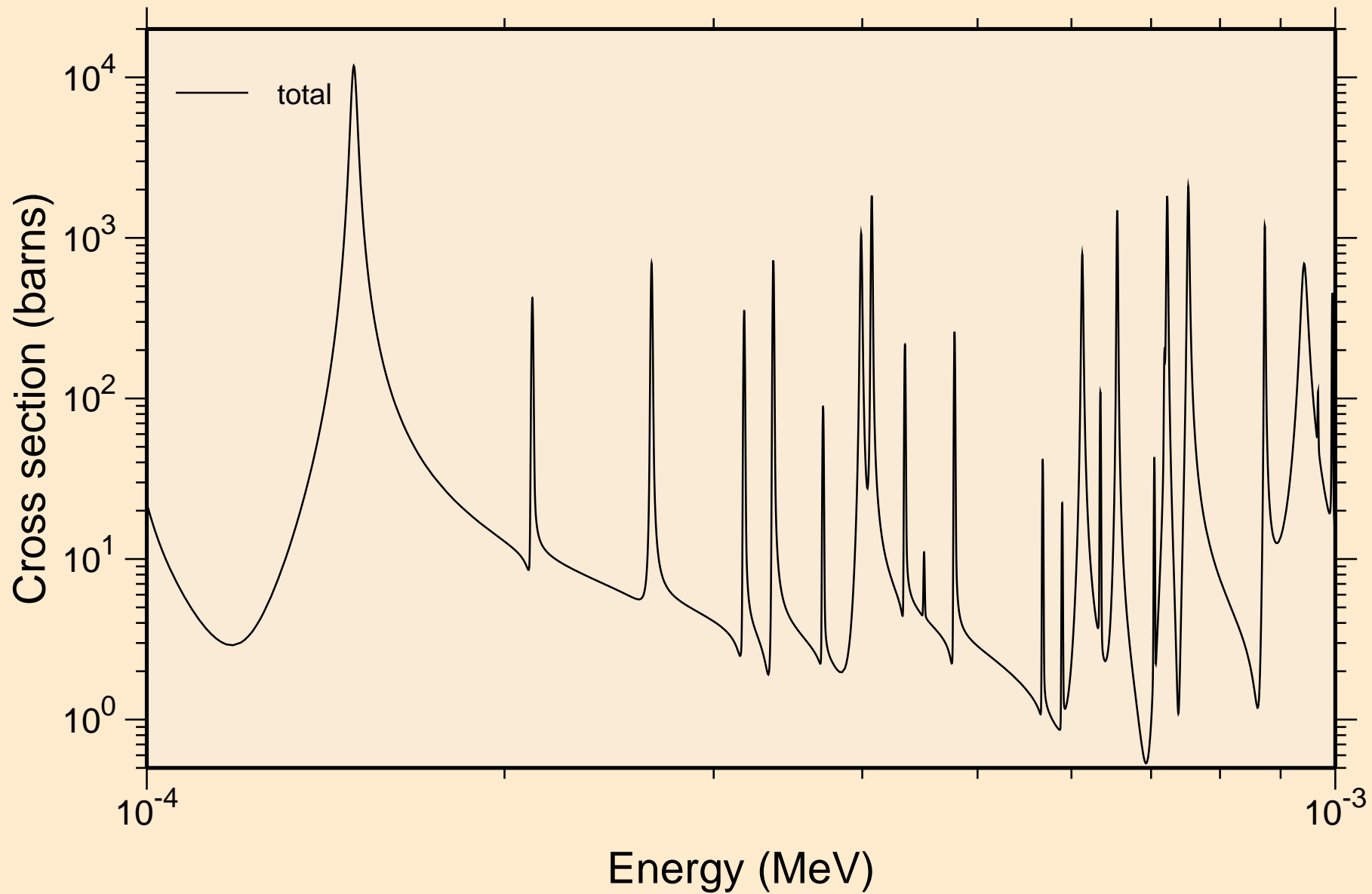
## Principal cross sections



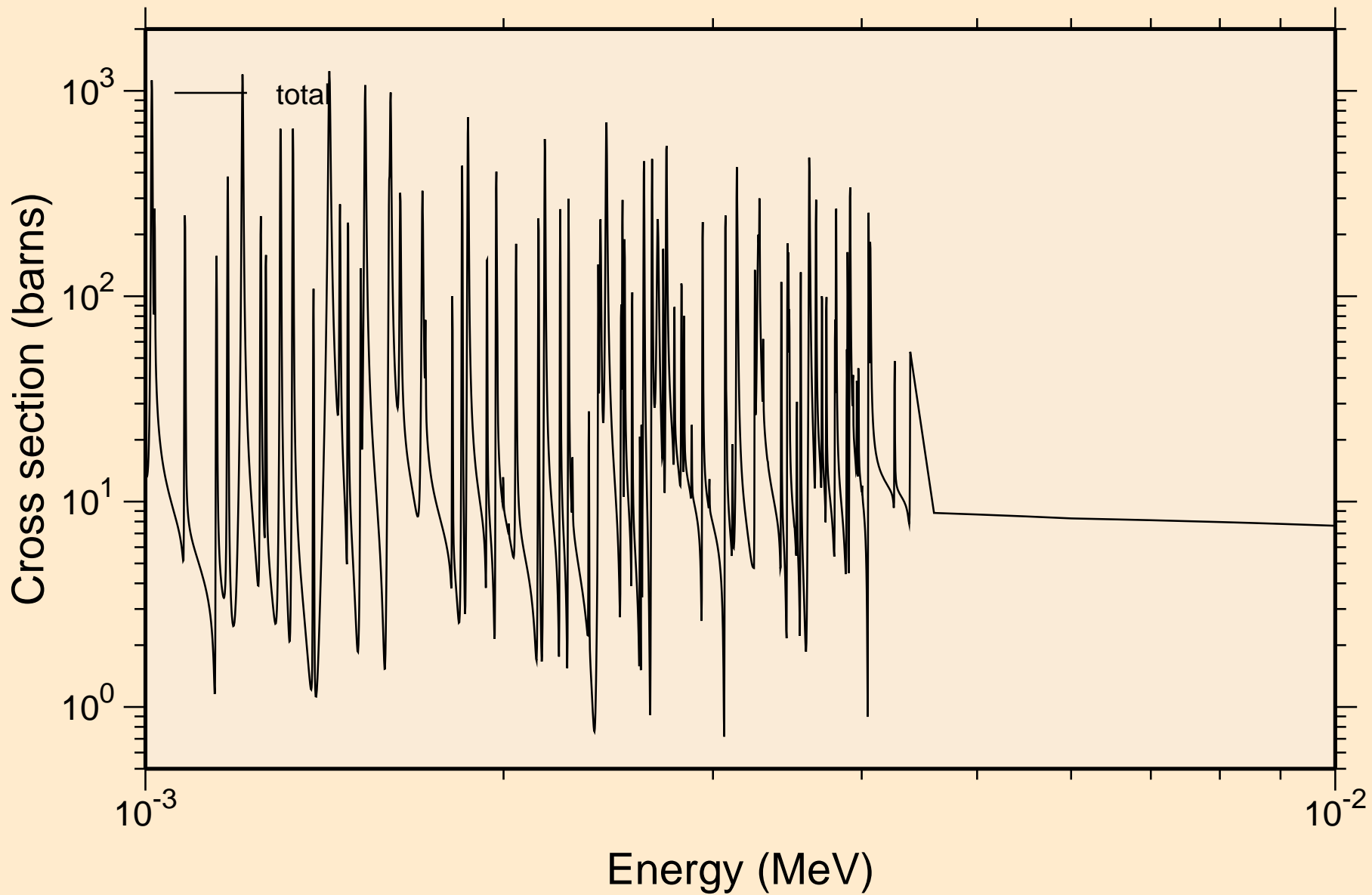
IN117M NRG TENDL-2015, AKONING  
resonance total cross section



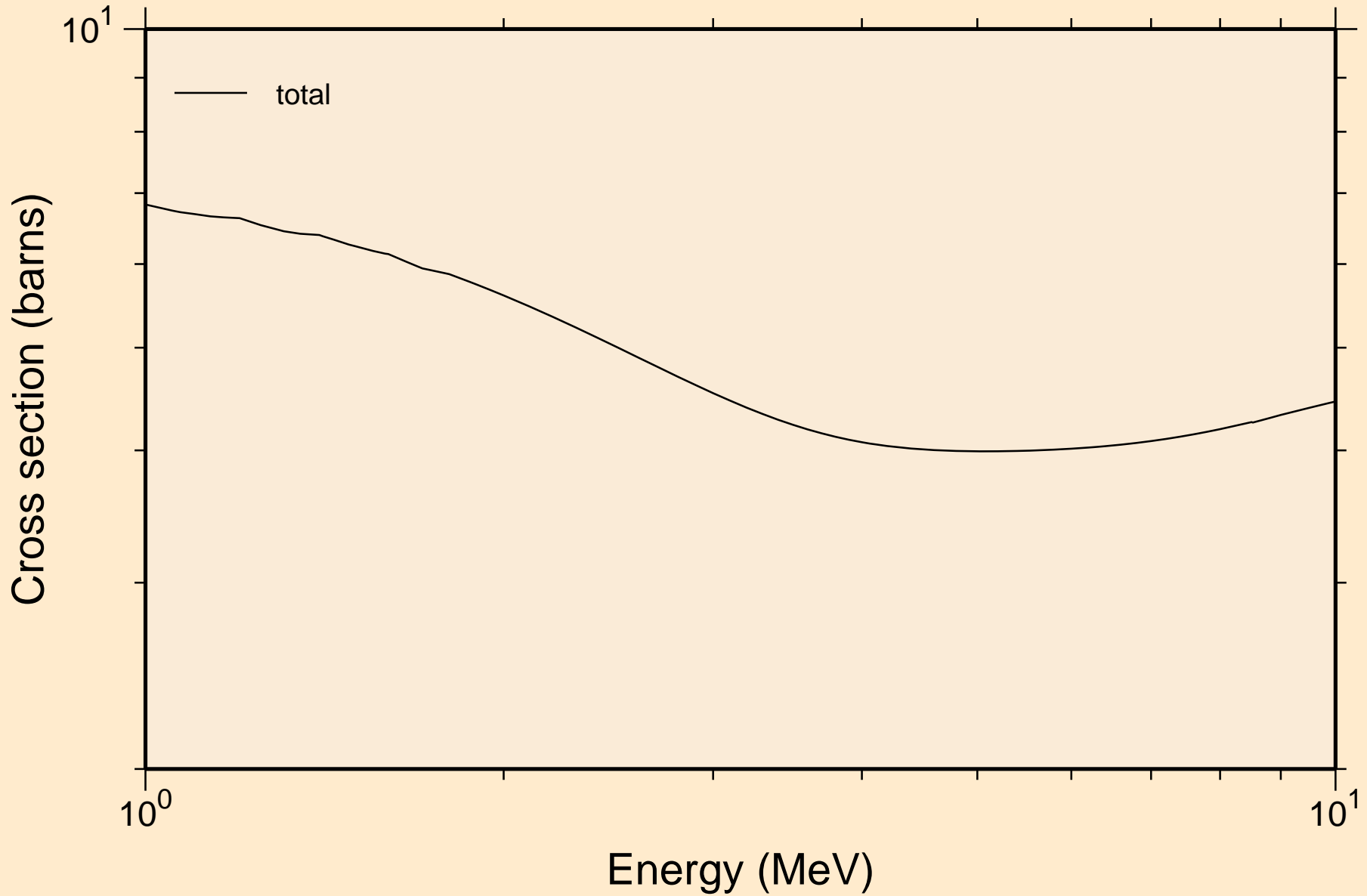
IN117M NRG TENDL-2015, AKONING  
resonance total cross section



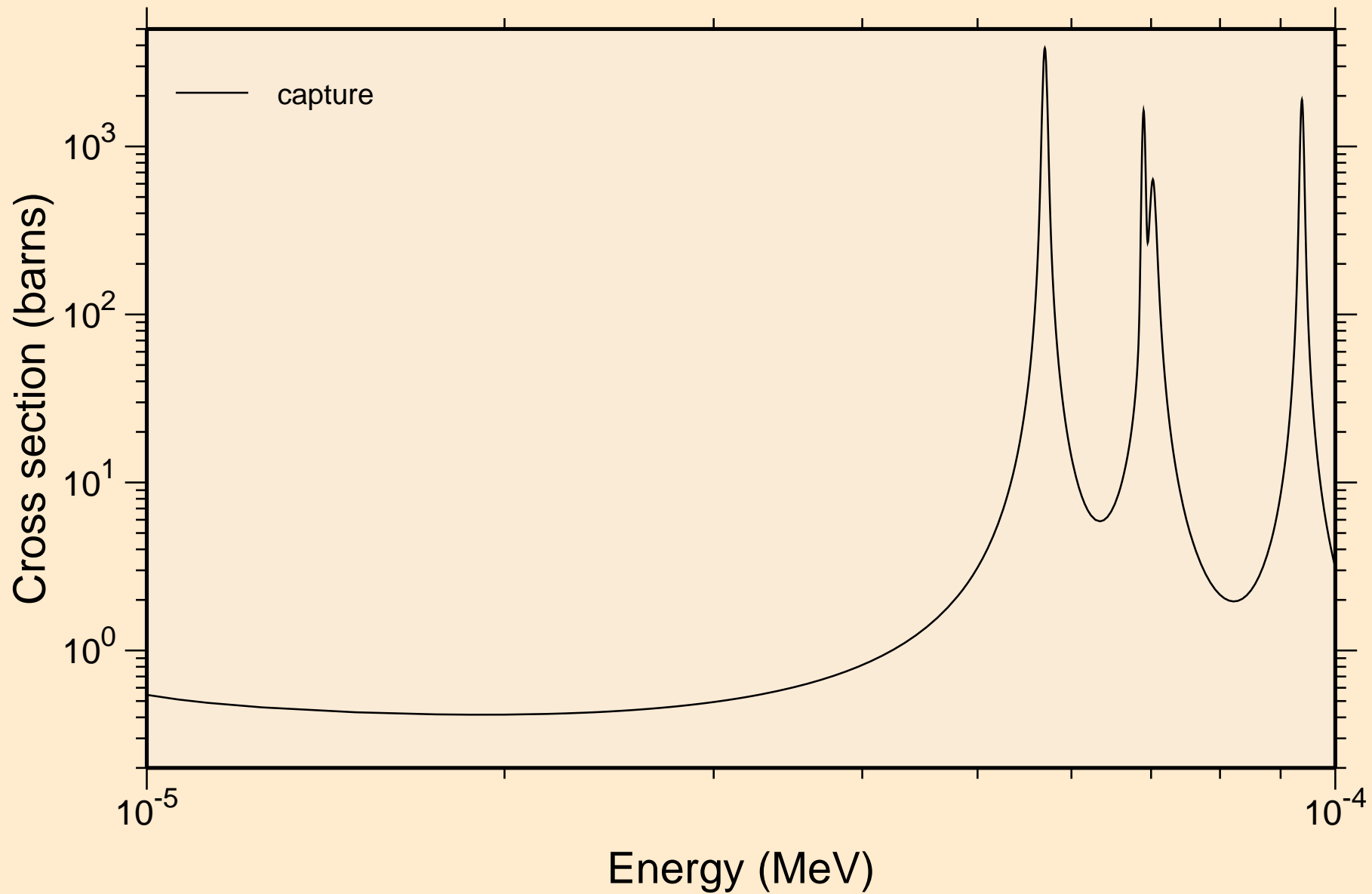
IN117M NRG TENDL-2015, AKONING  
resonance total cross section



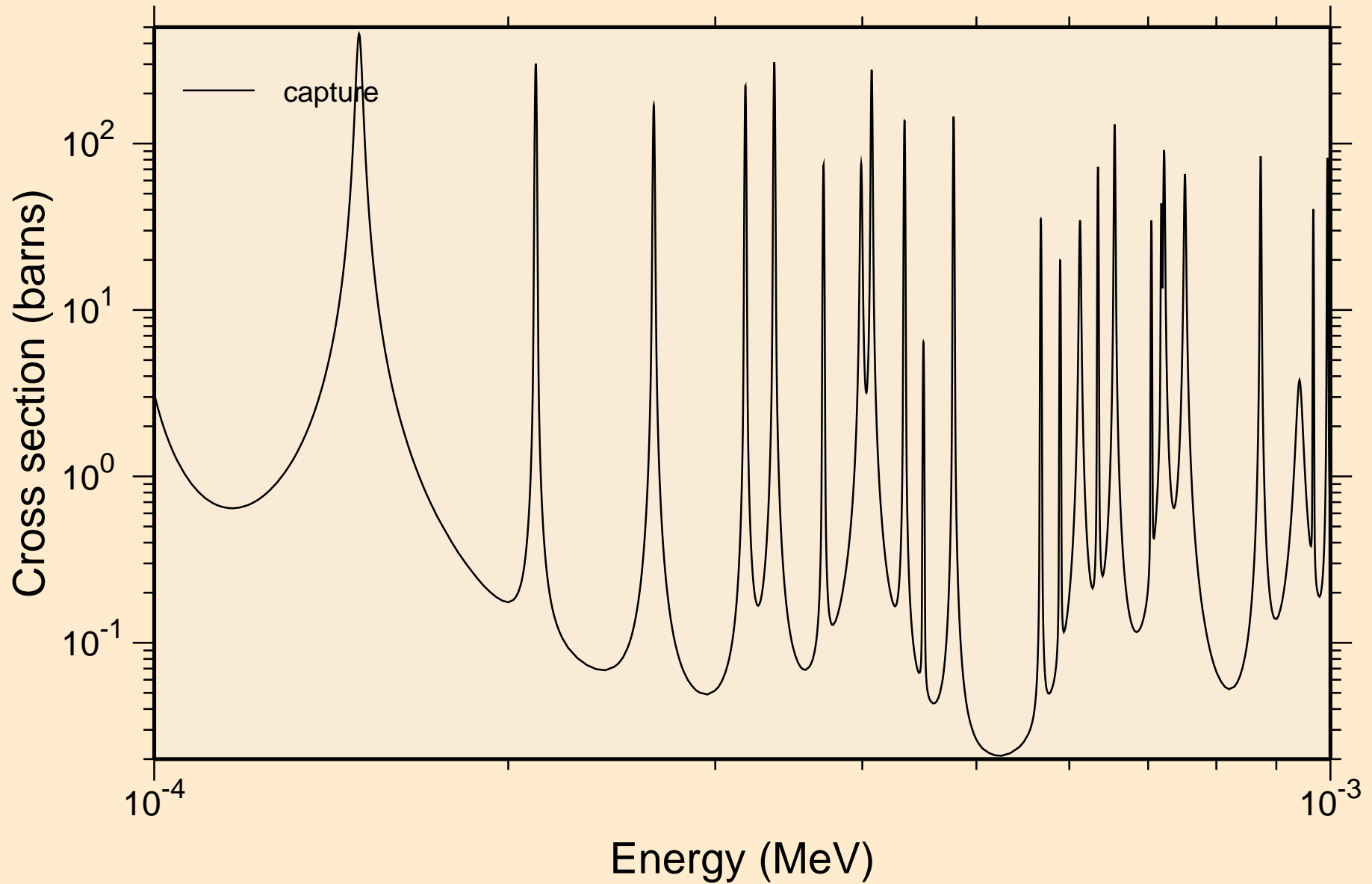
IN117M NRG TENDL-2015, AKONING  
resonance total cross section



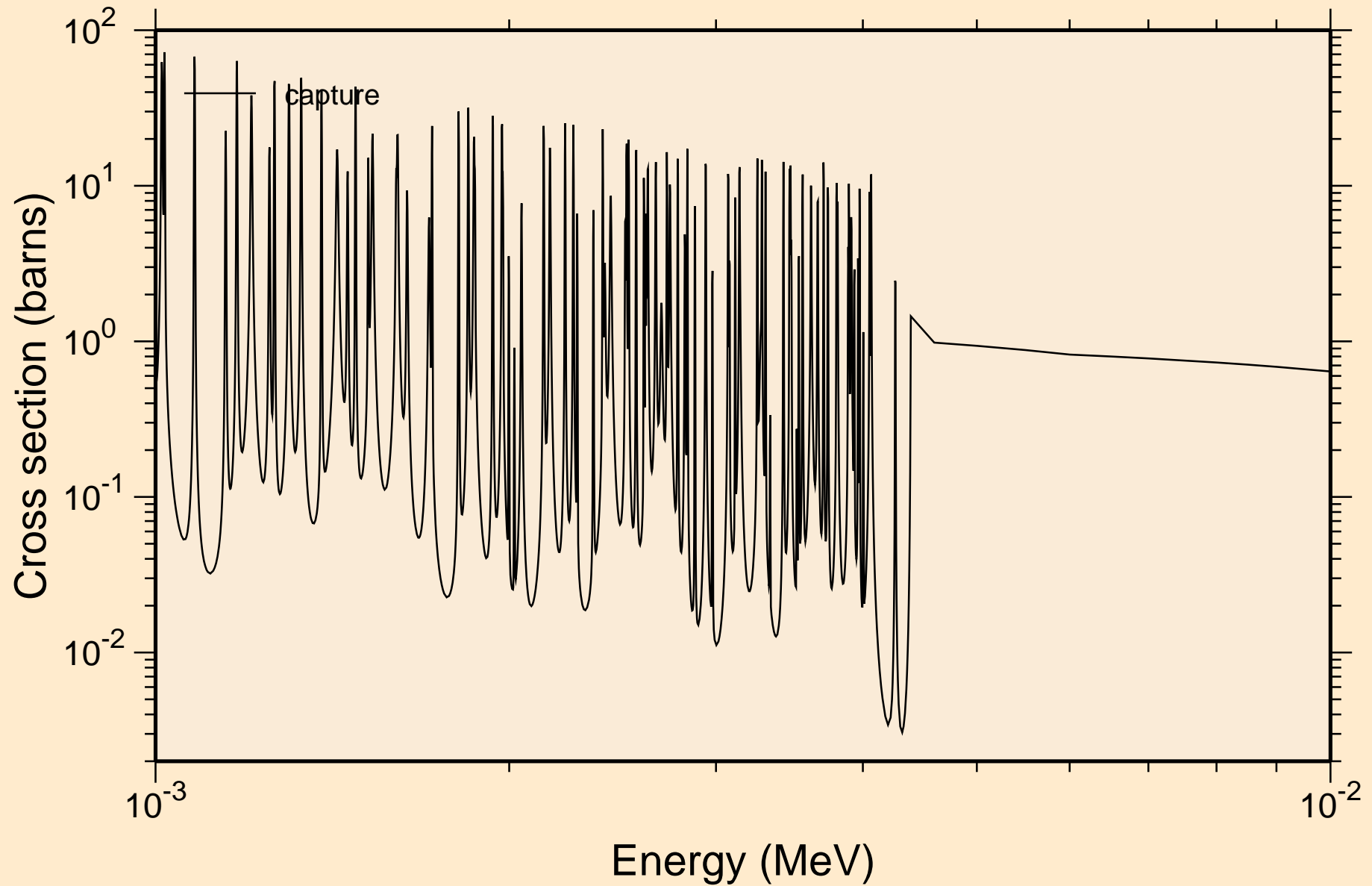
IN117M NRG TENDL-2015, AKONING  
resonance absorption cross sections



IN117M NRG TENDL-2015, AKONING  
resonance absorption cross sections

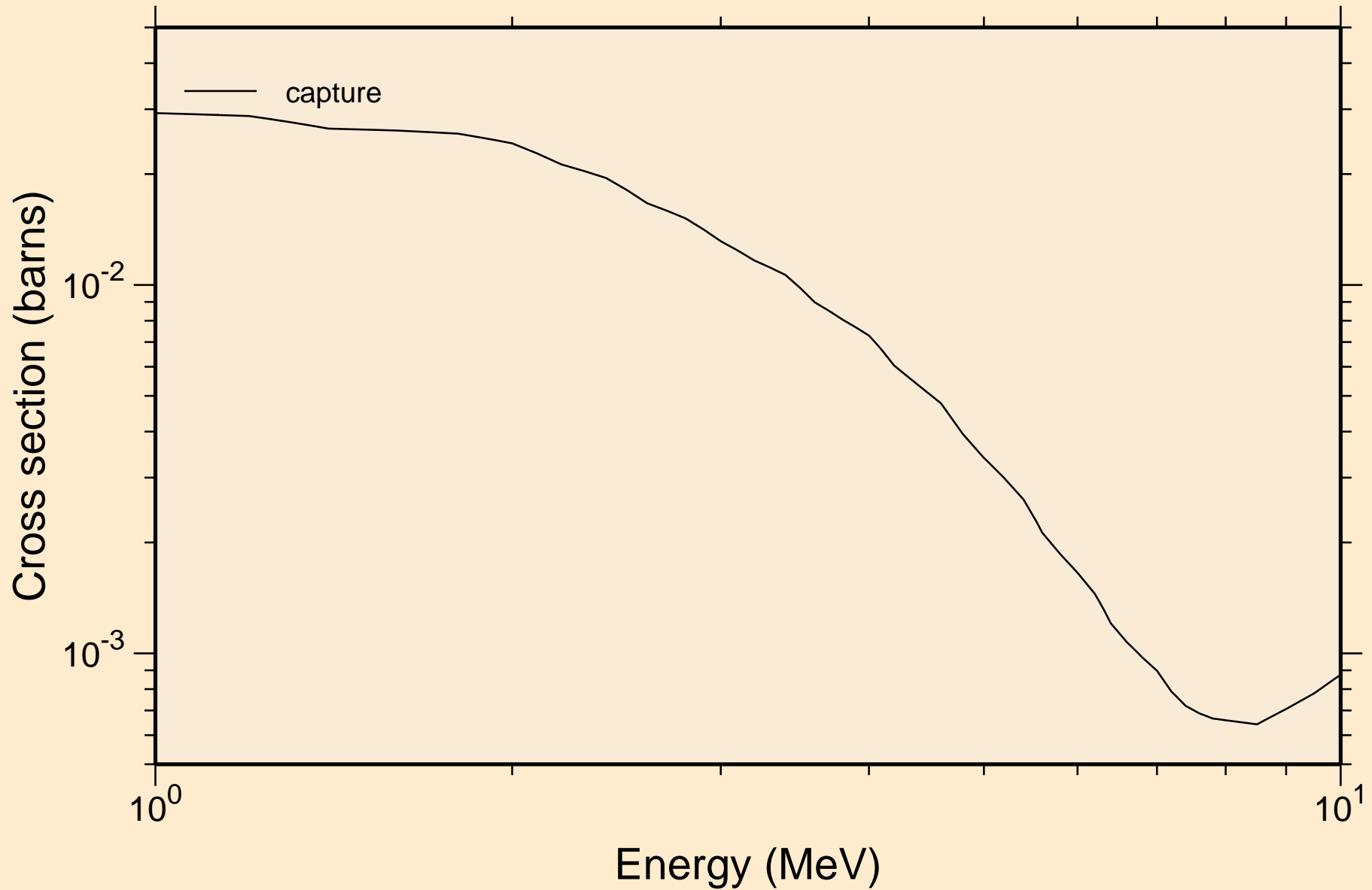


IN117M NRG TENDL-2015, AKONING  
resonance absorption cross sections

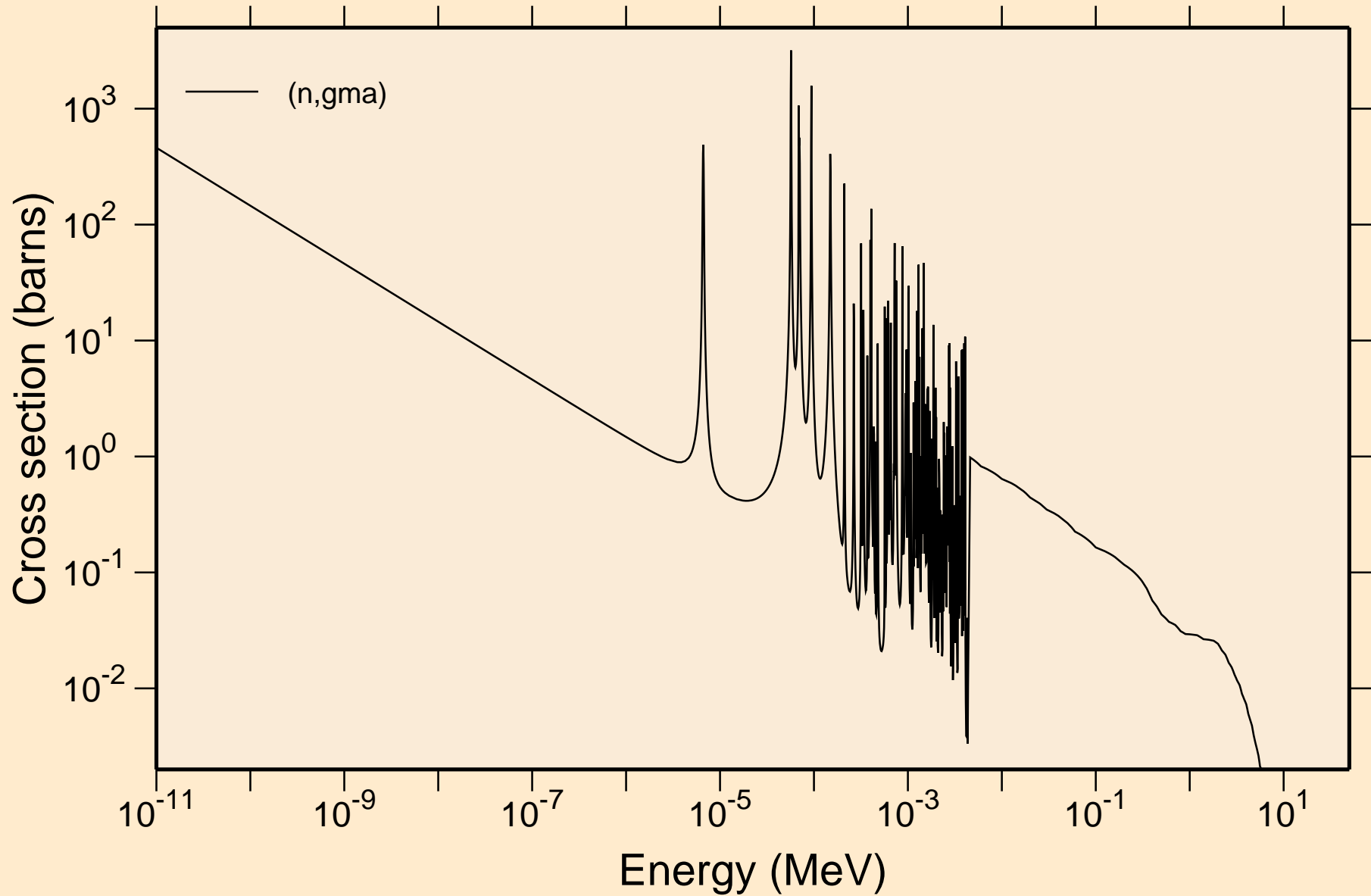




IN117M NRG TENDL-2015, AKONING  
resonance absorption cross sections

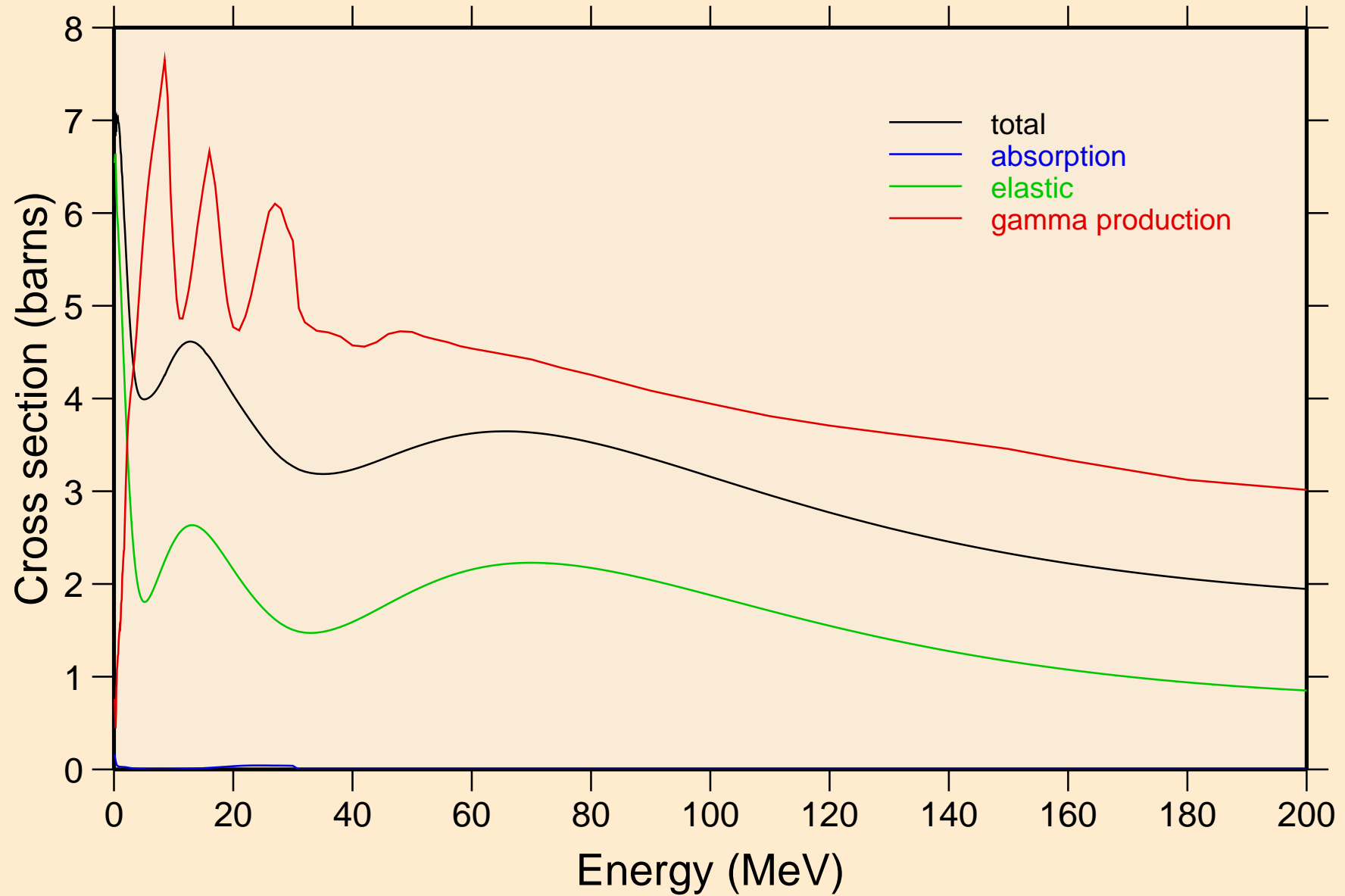


IN117M NRG TENDL-2015, AKONING  
Non-threshold reactions

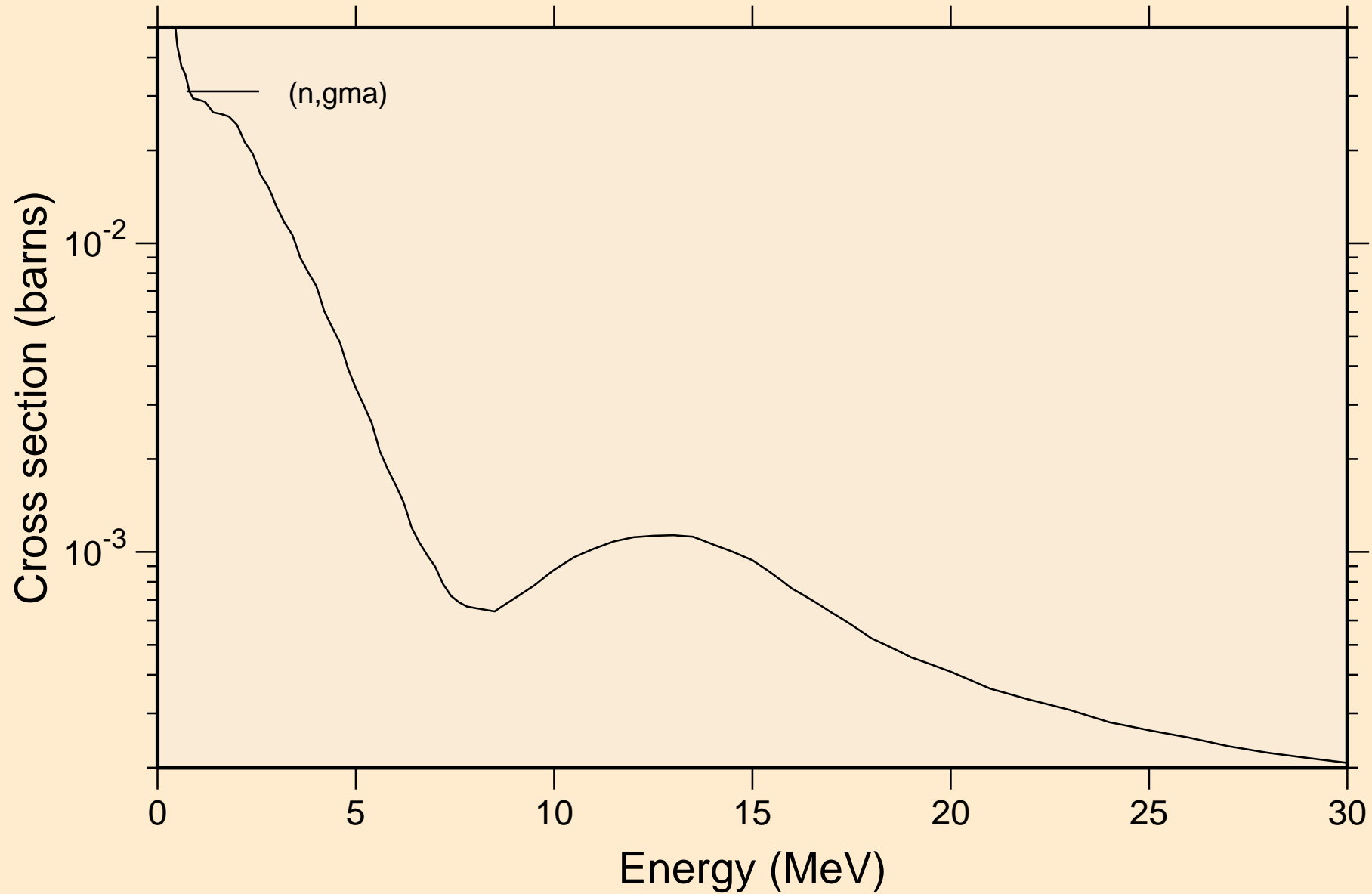


# IN117M NRG TENDL-2015, AKONING

## Principal cross sections

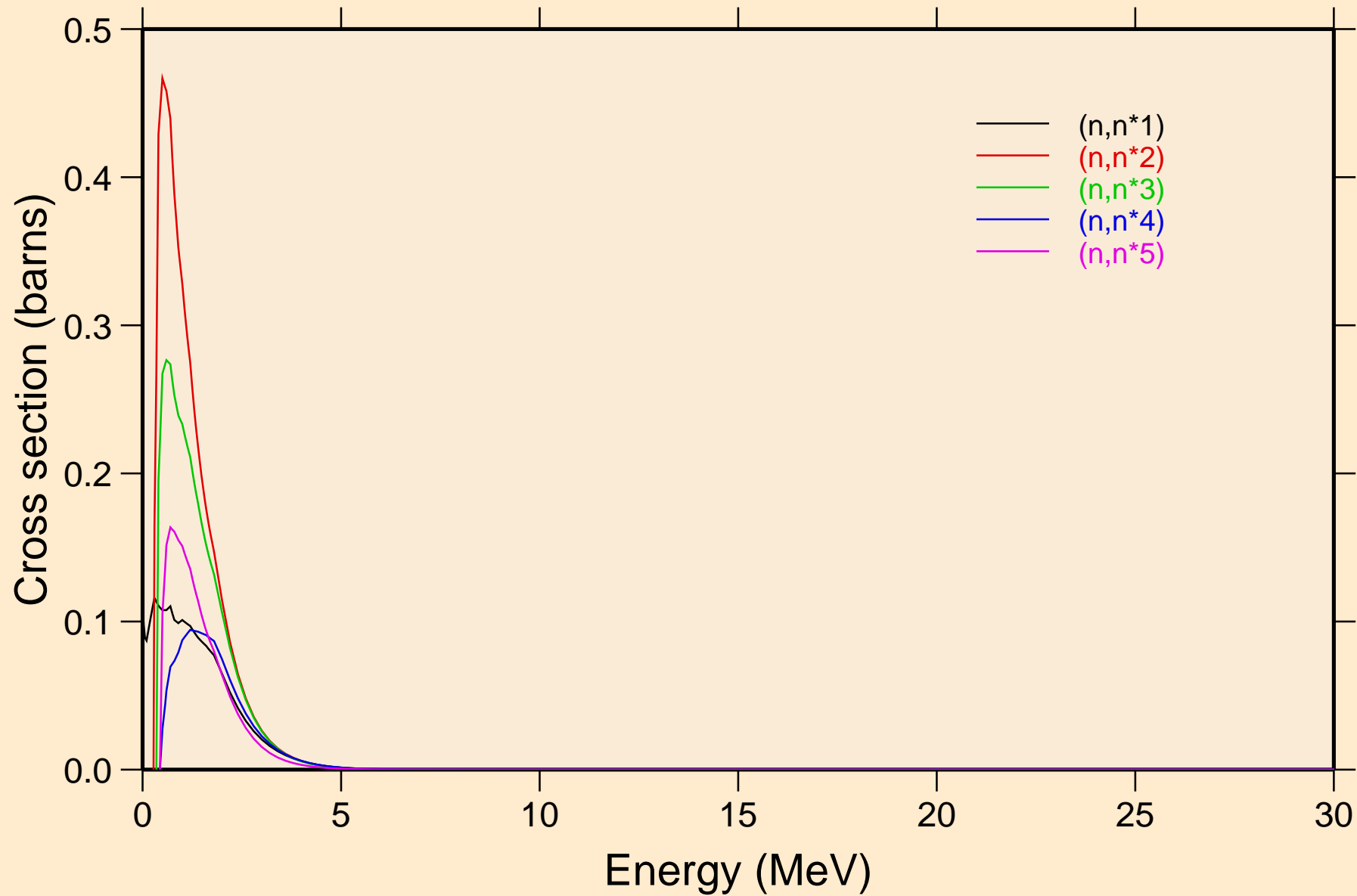


IN117M NRG TENDL-2015, AKONING  
Non-threshold reactions



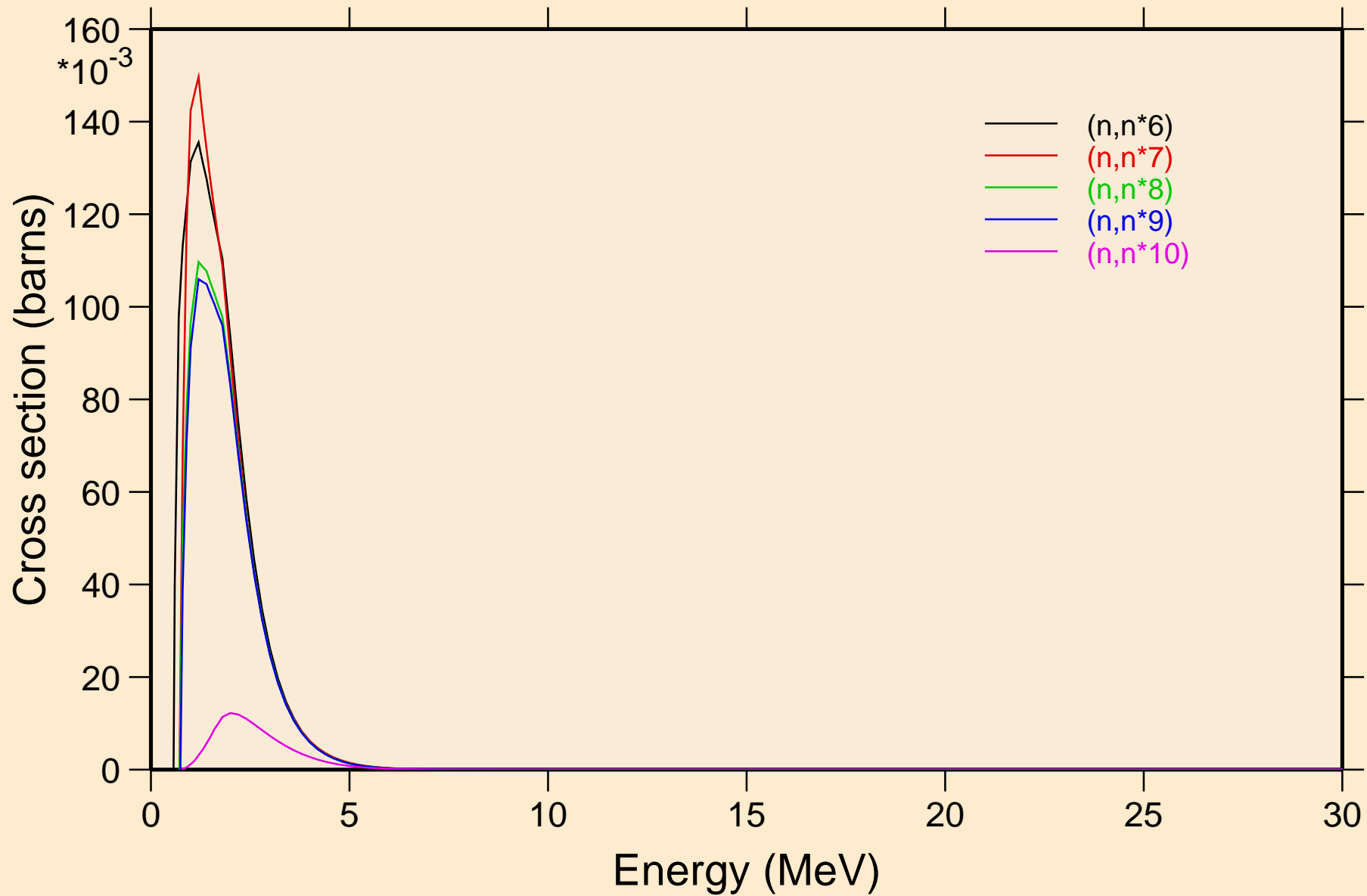
# IN117M NRG TENDL-2015, AKONING

## Inelastic levels



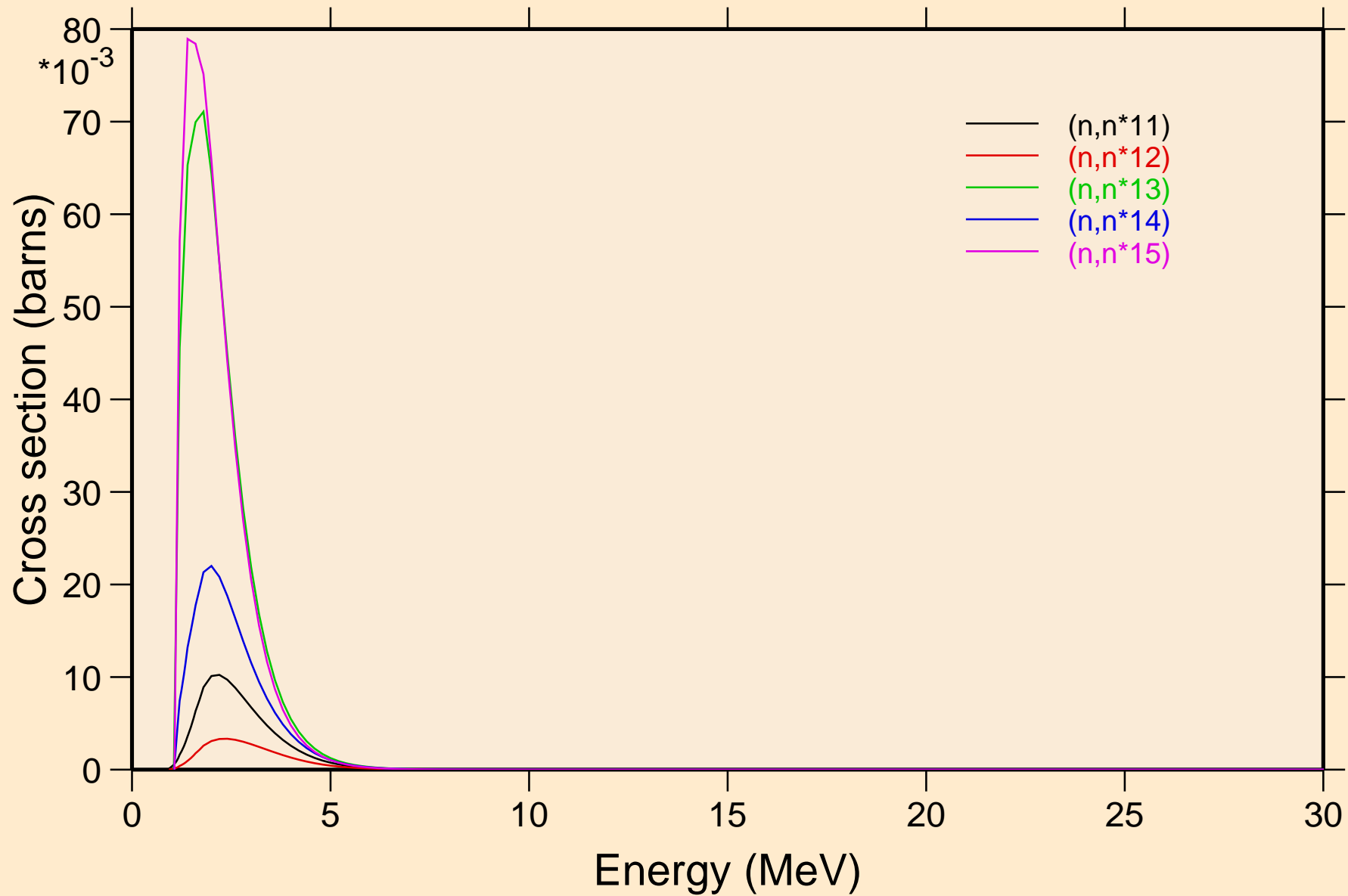
# IN117M NRG TENDL-2015, AKONING

## Inelastic levels



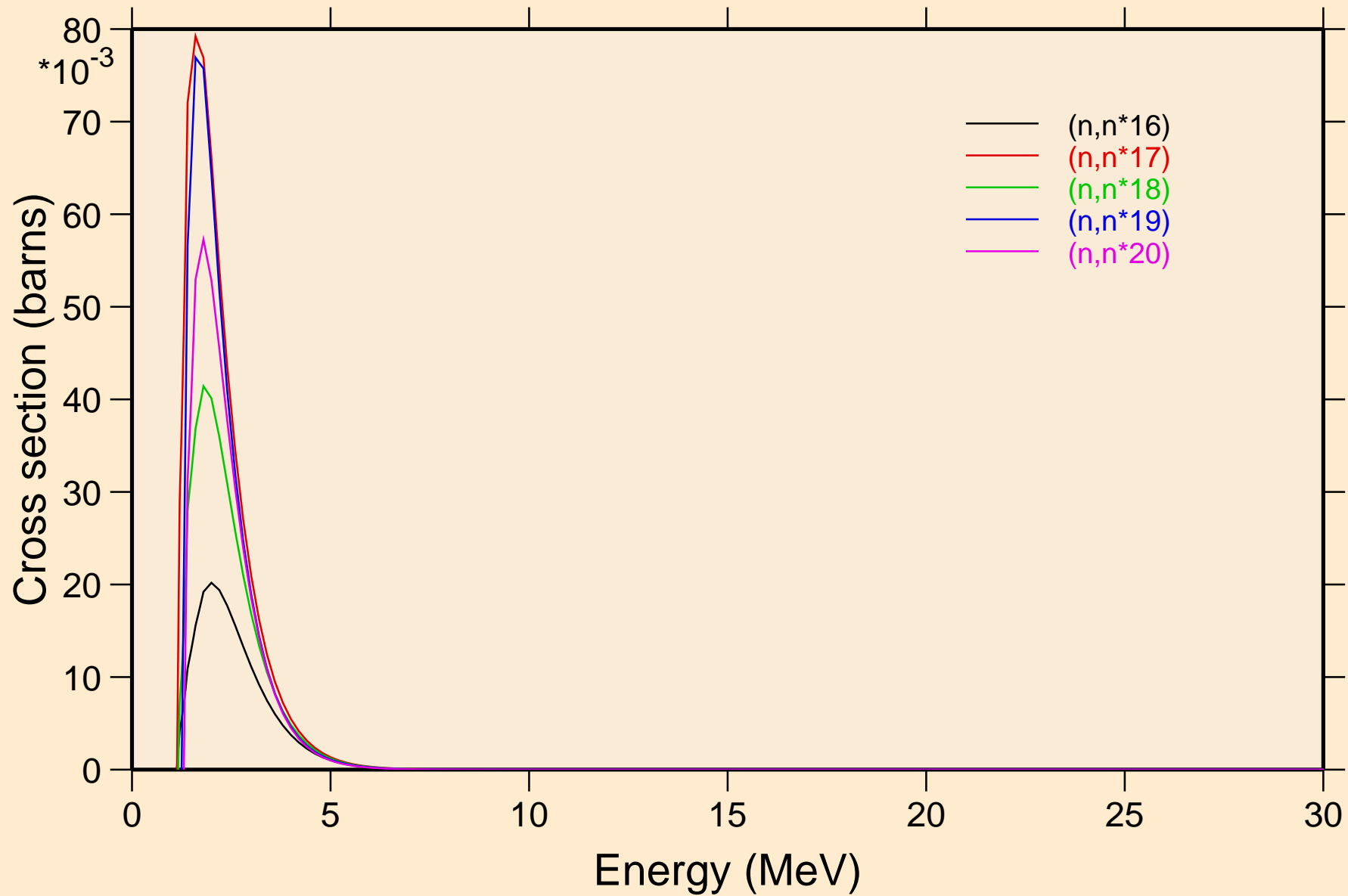
# IN117M NRG TENDL-2015, AKONING

## Inelastic levels



# IN117M NRG TENDL-2015, AKONING

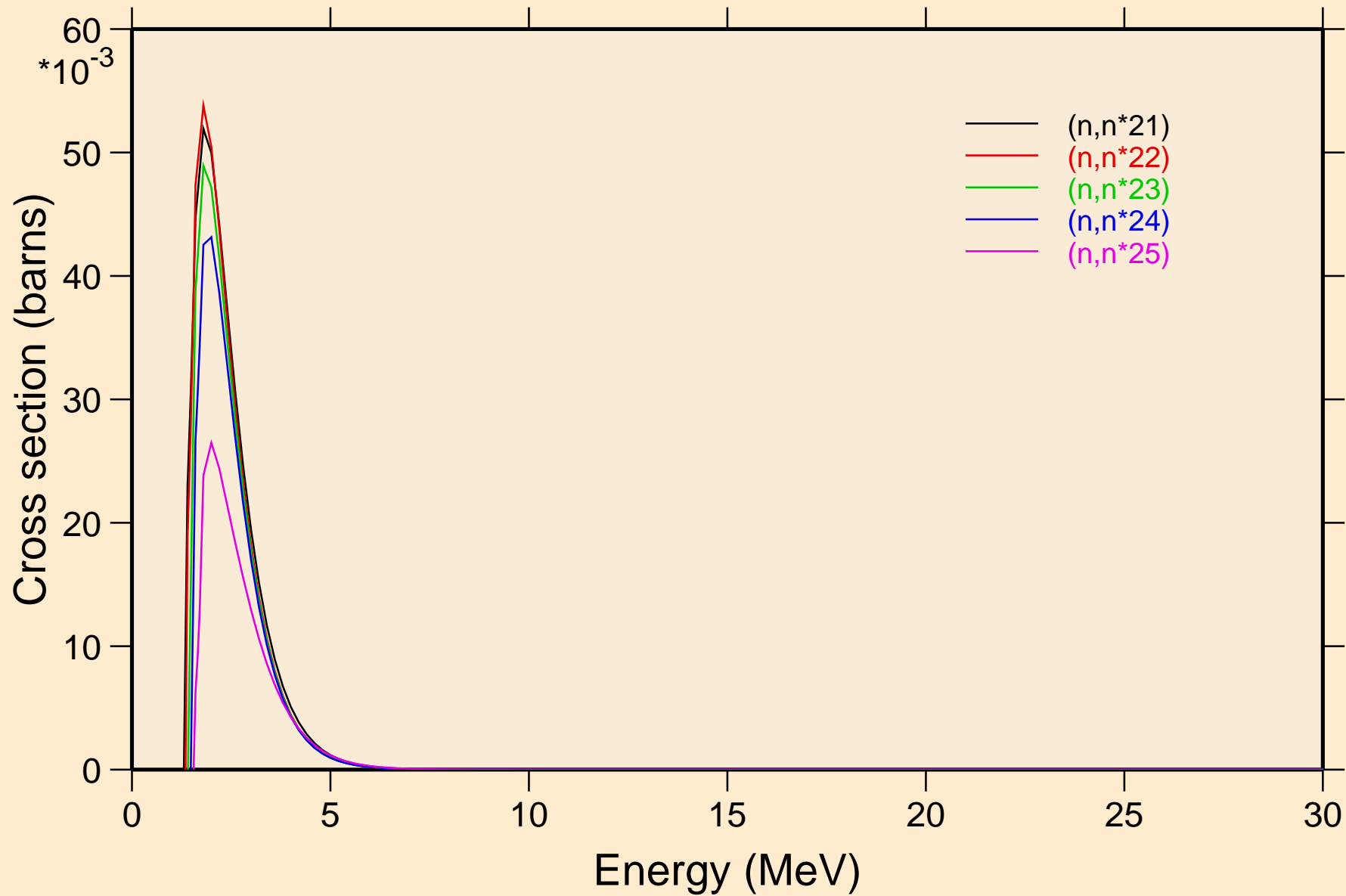
## Inelastic levels





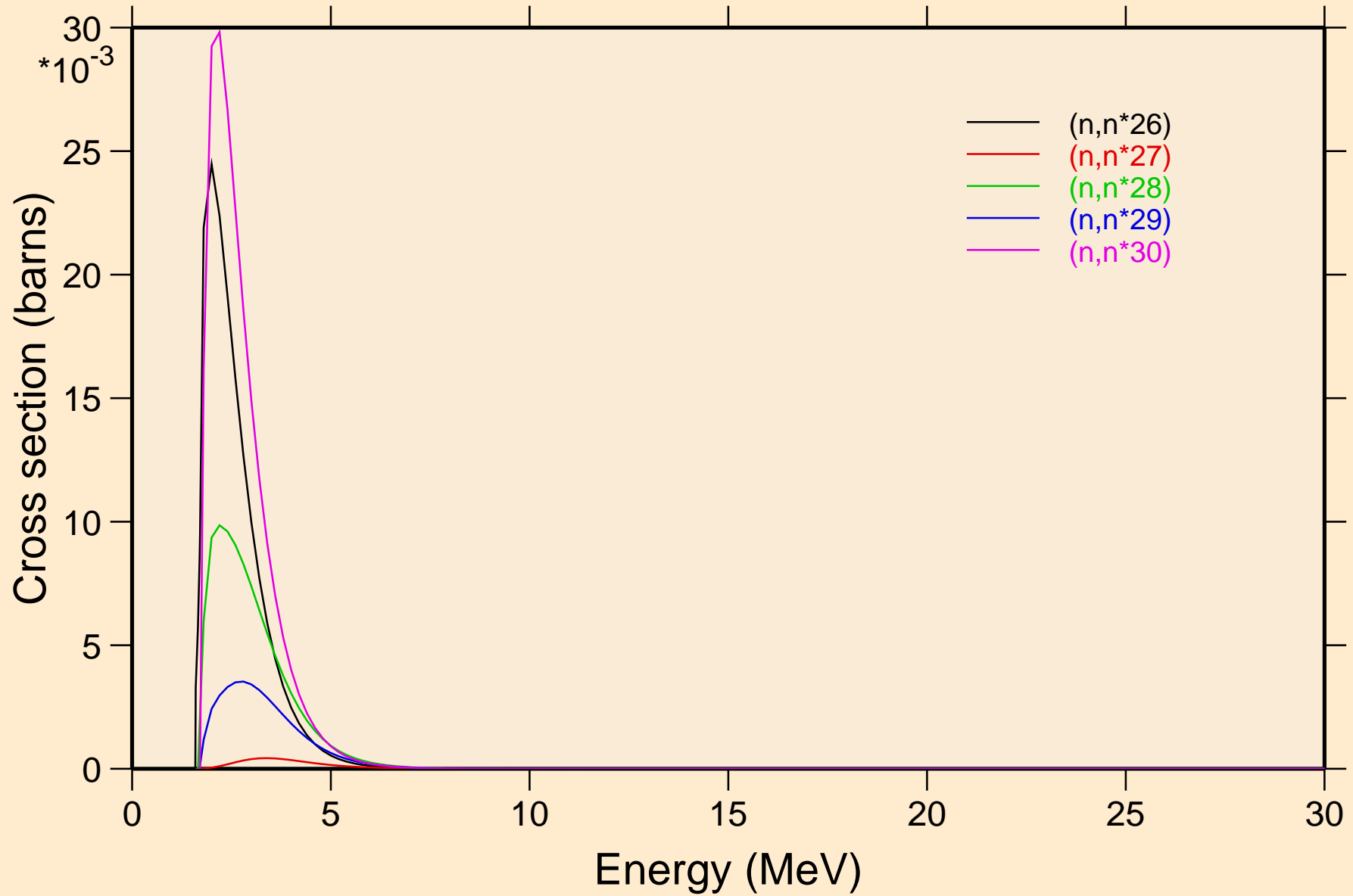
# IN117M NRG TENDL-2015, AKONING

## Inelastic levels



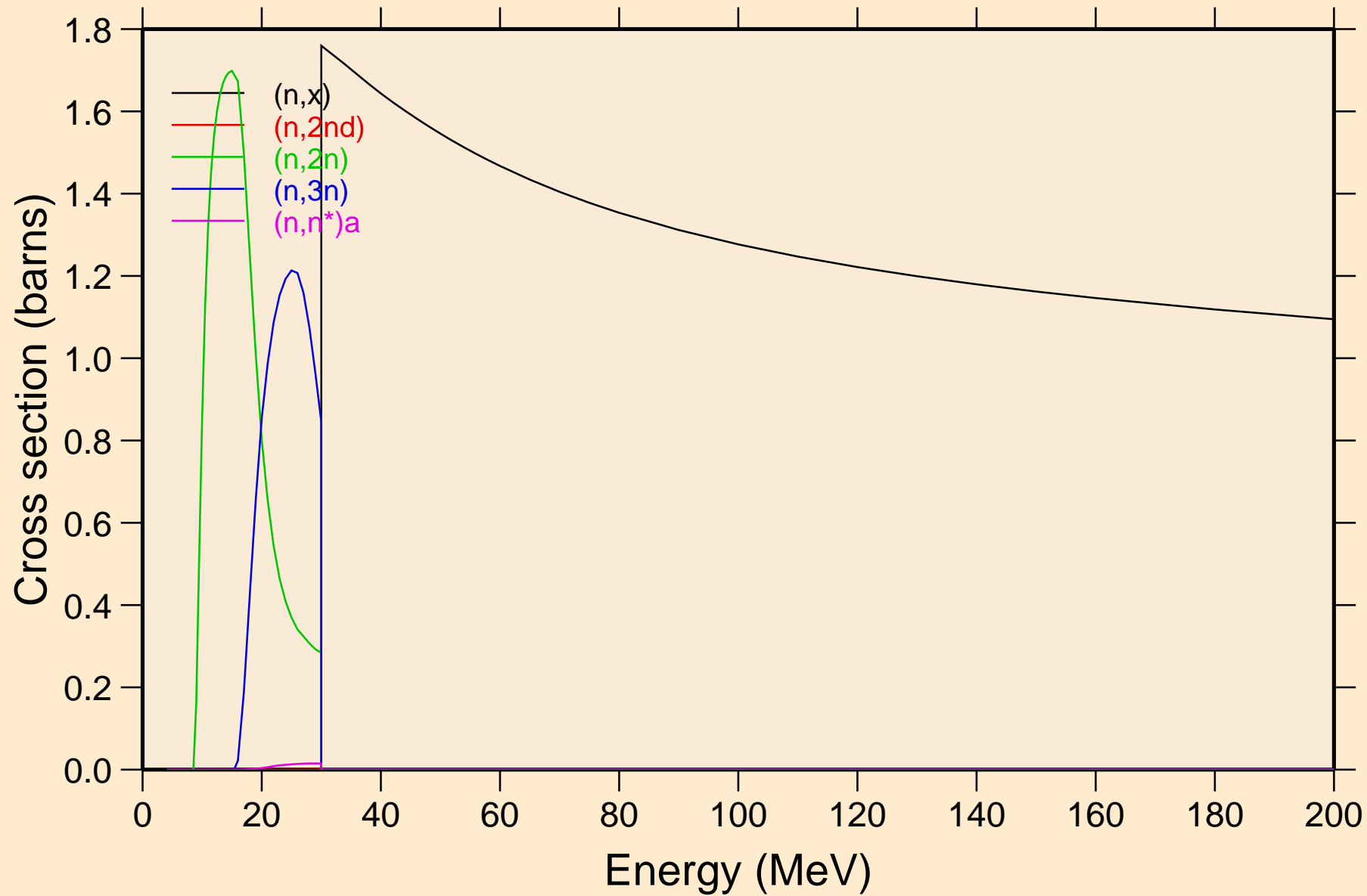
# IN117M NRG TENDL-2015, AKONING

## Inelastic levels



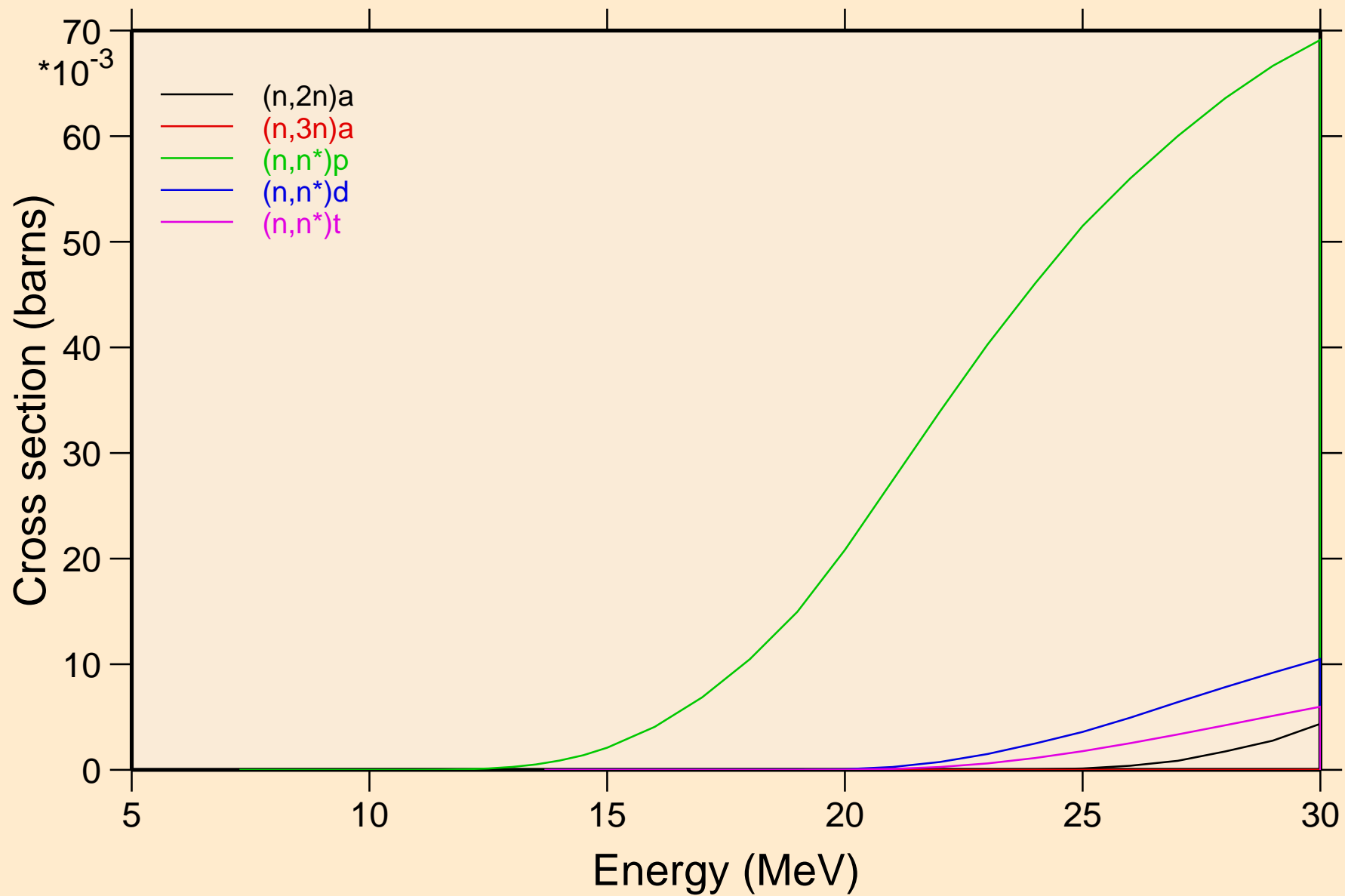
# IN117M NRG TENDL-2015, AKONING

## Threshold reactions



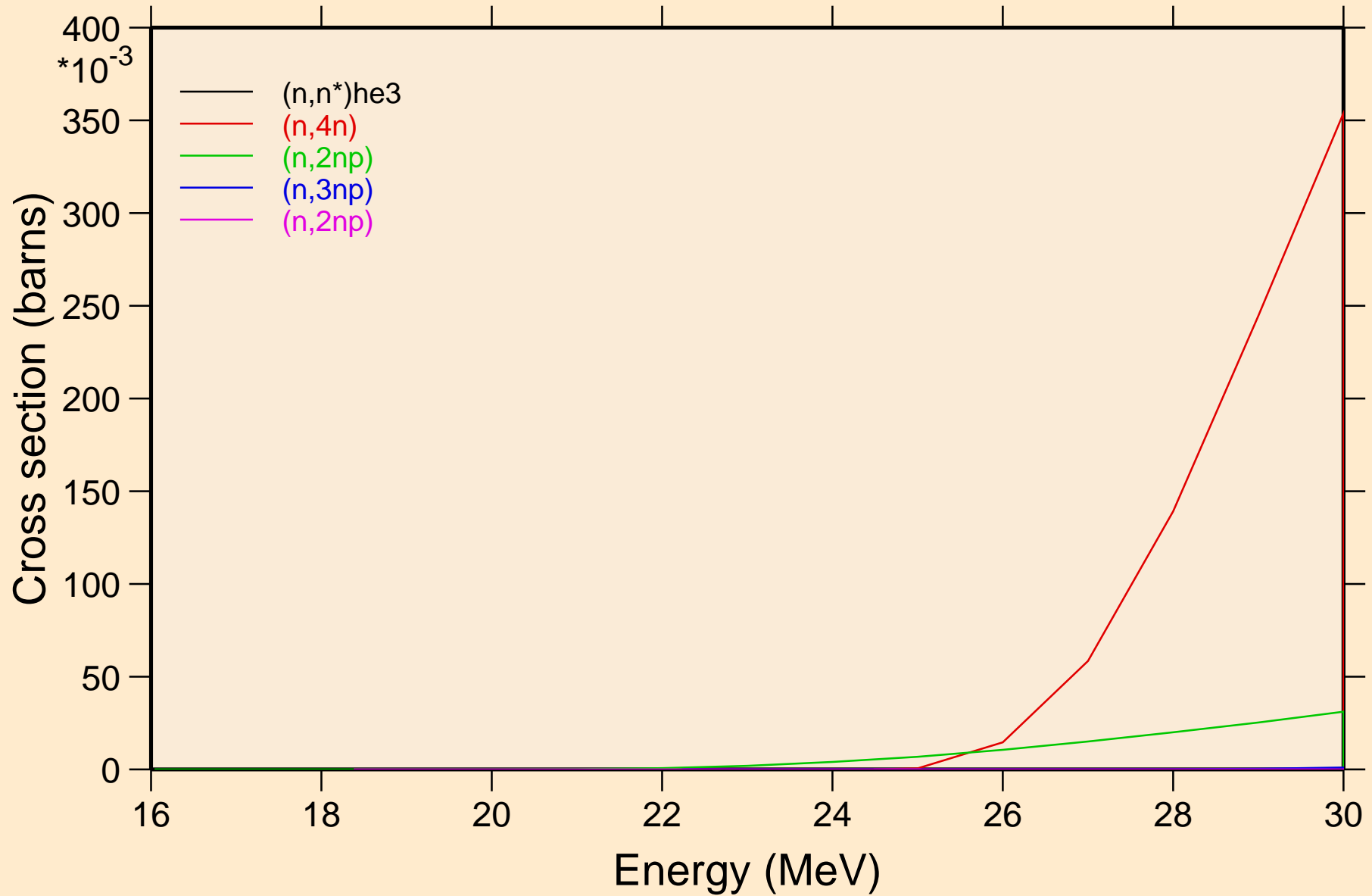
# IN117M NRG TENDL-2015, AKONING

## Threshold reactions



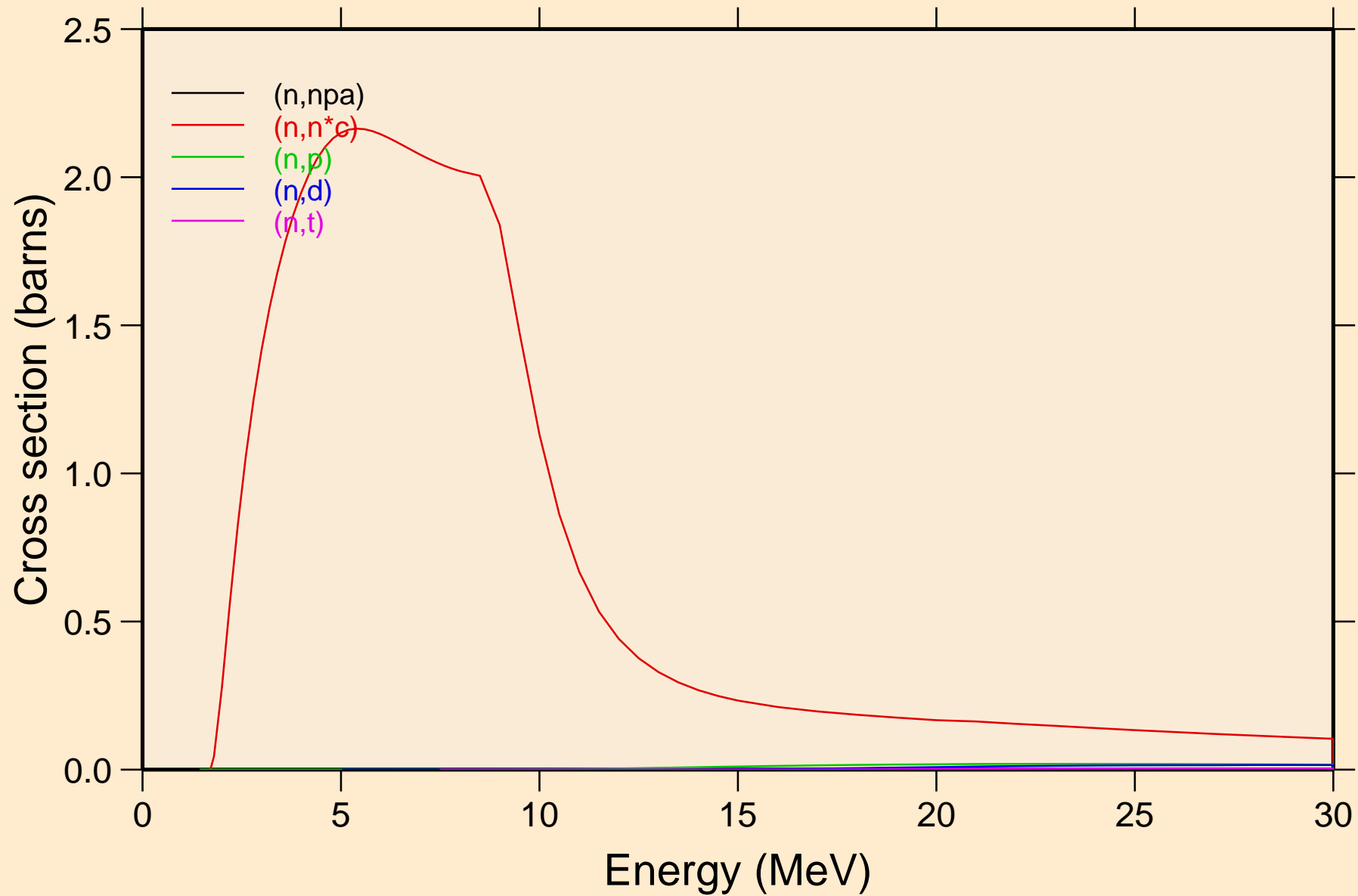
# IN117M NRG TENDL-2015, AKONING

## Threshold reactions



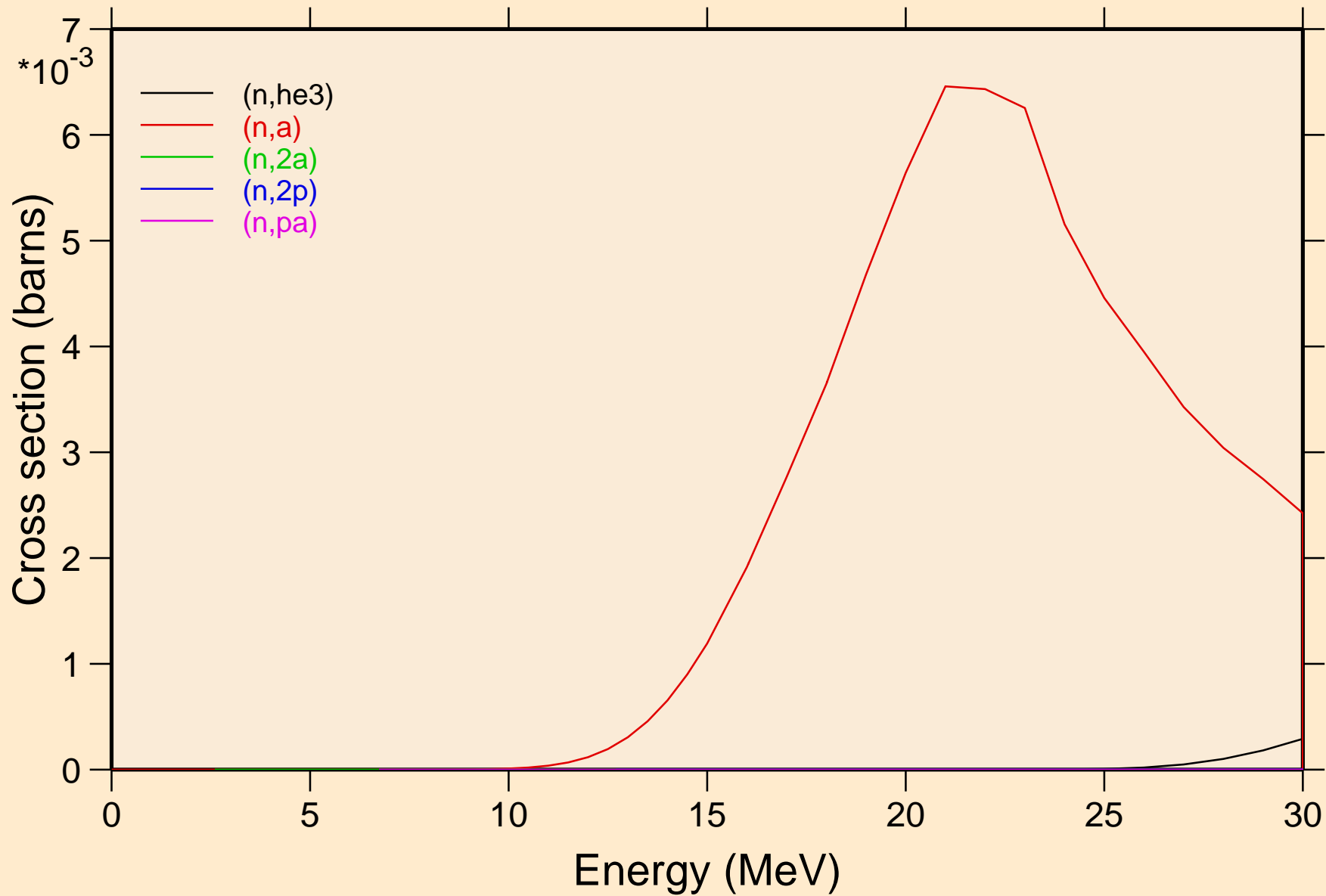
# IN117M NRG TENDL-2015, AKONING

## Threshold reactions



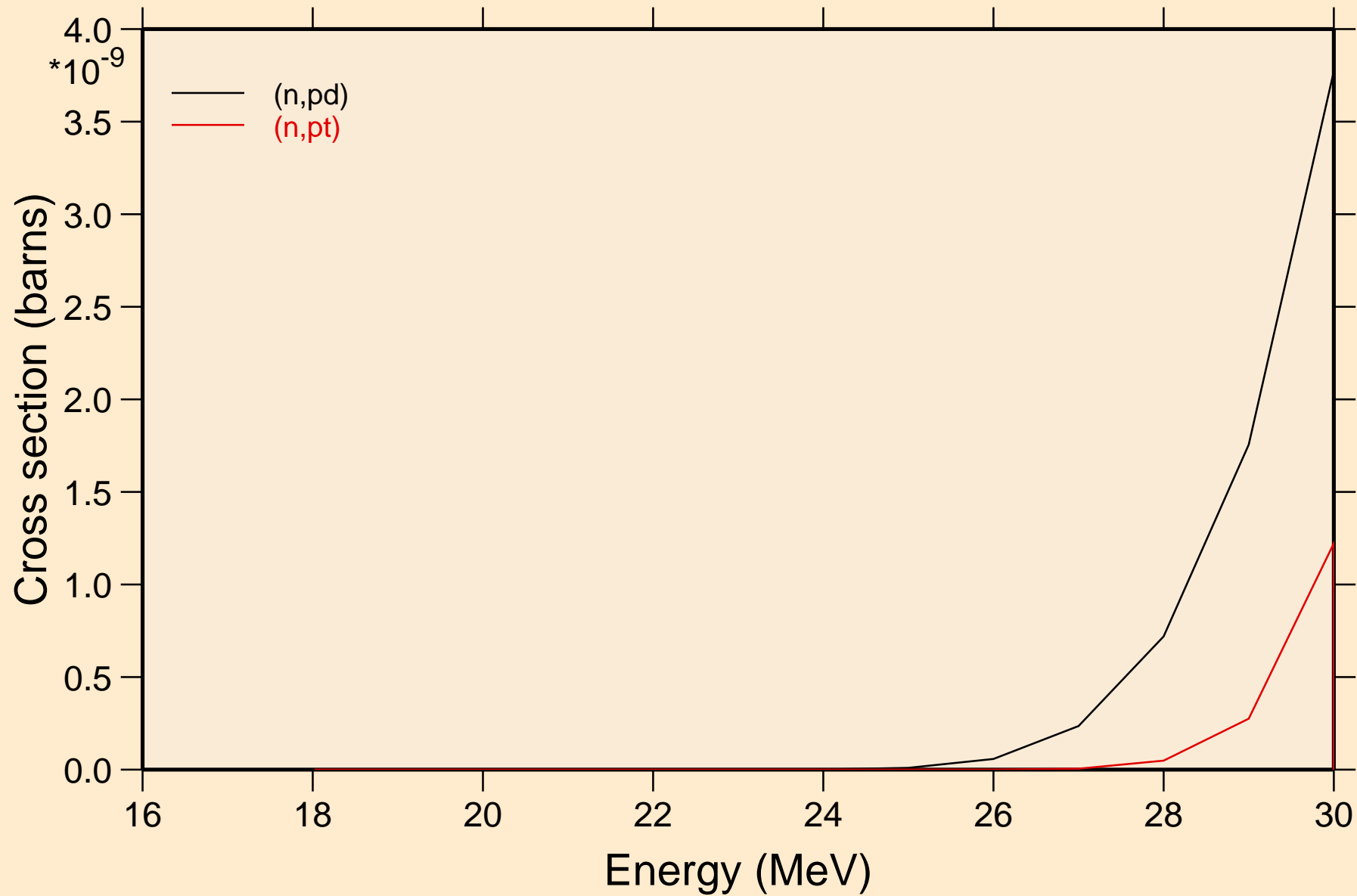
# IN117M NRG TENDL-2015, AKONING

## Threshold reactions



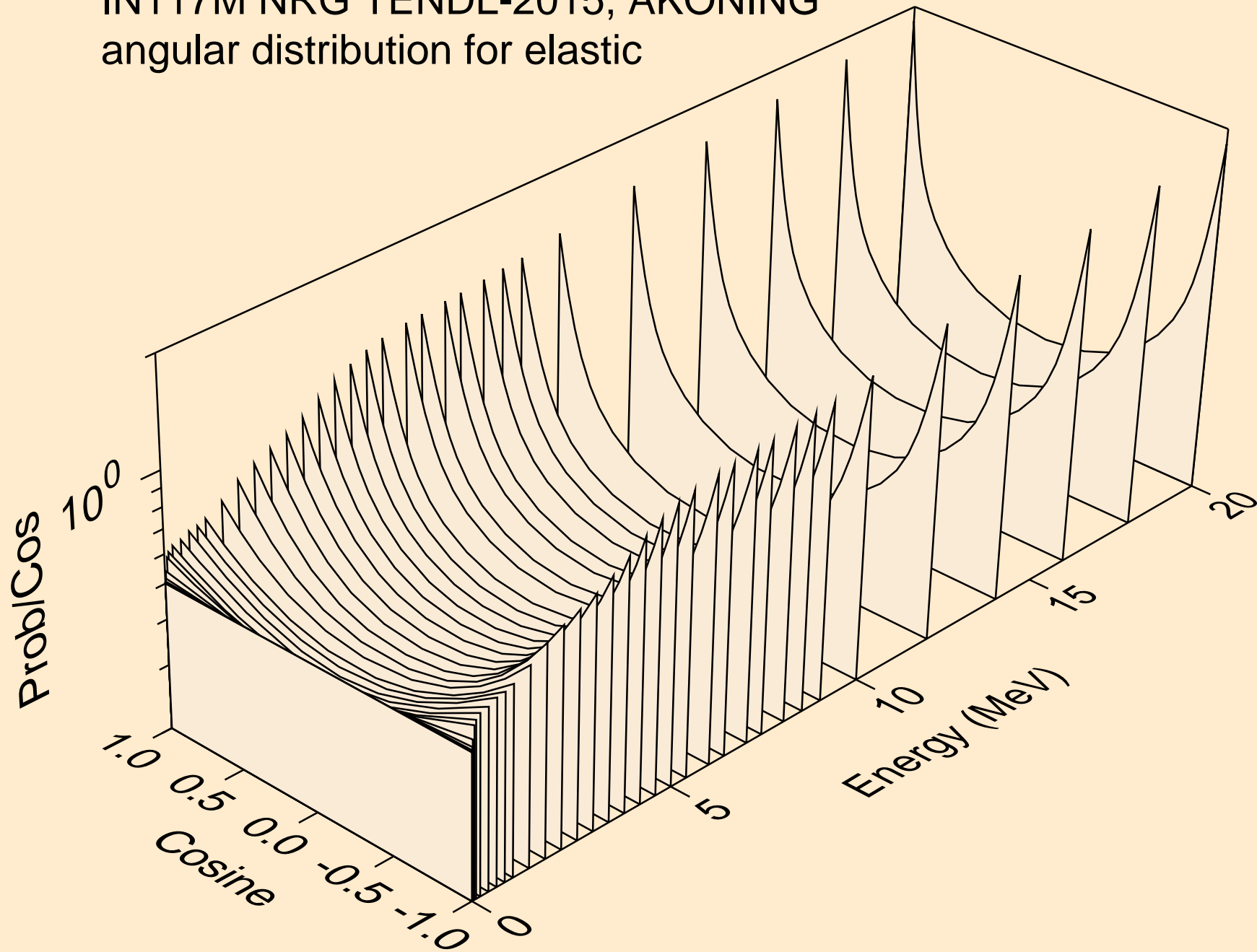
# IN117M NRG TENDL-2015, AKONING

## Threshold reactions

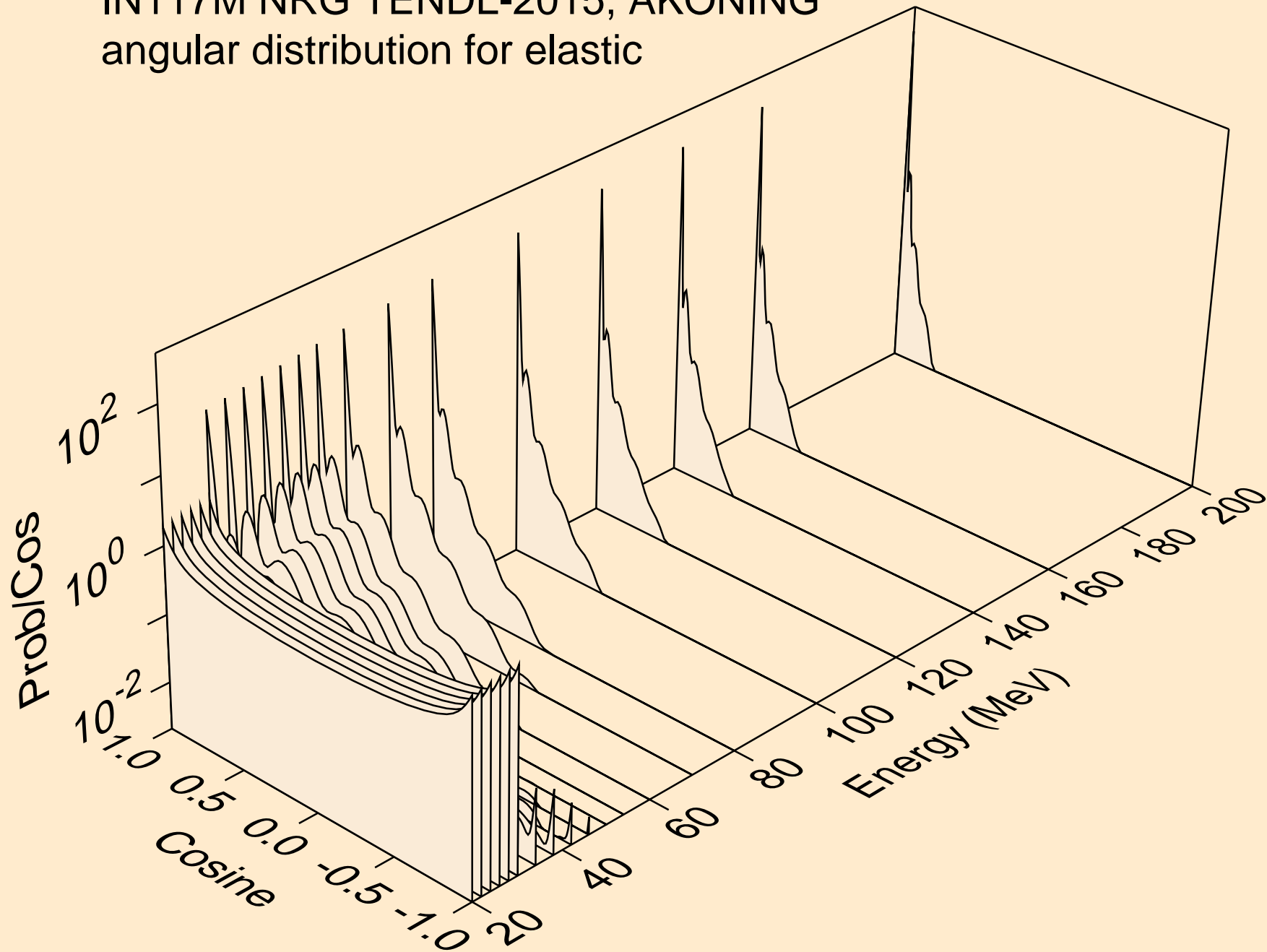




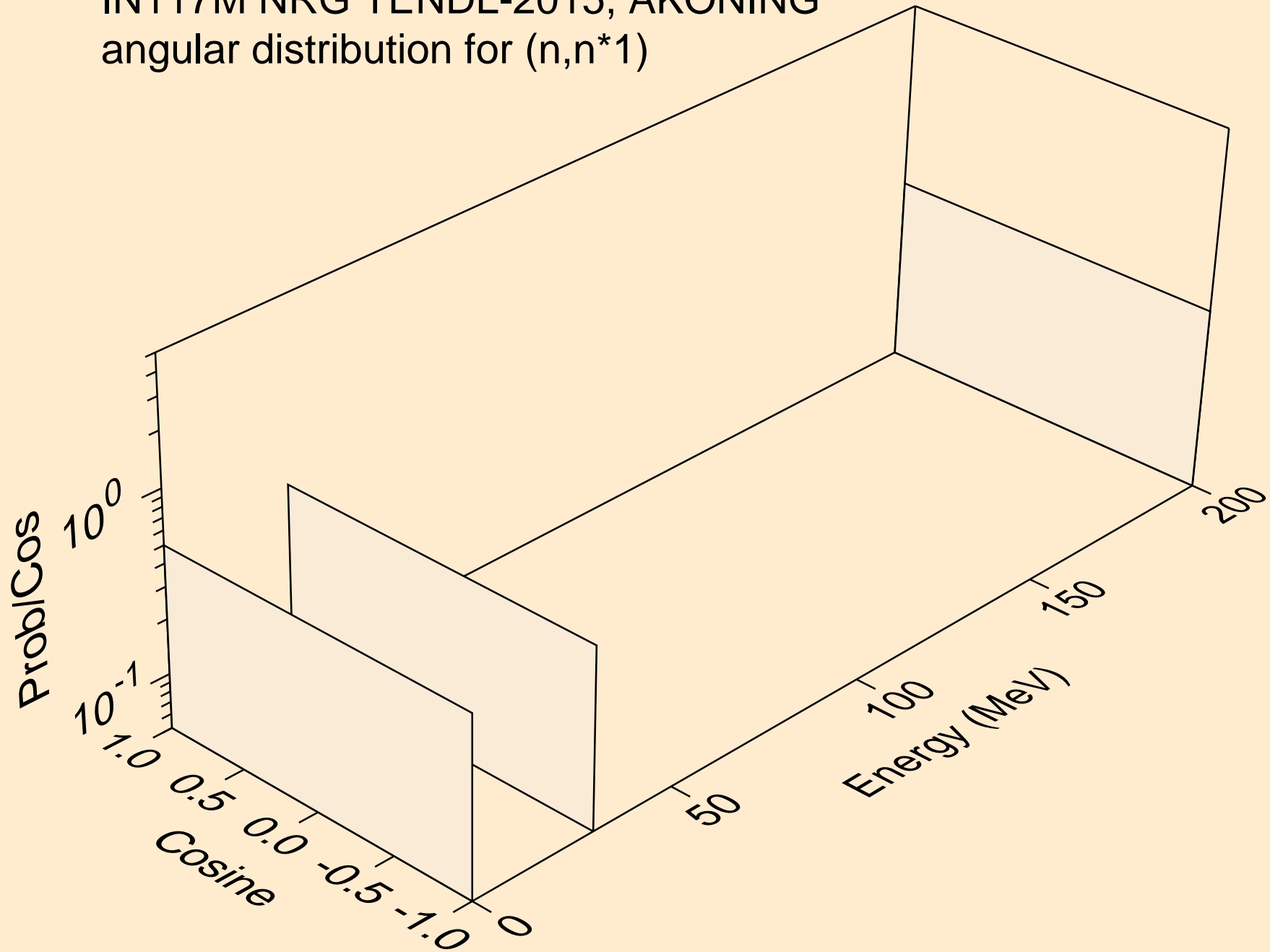
IN117M NRG TENDL-2015, AKONING  
angular distribution for elastic



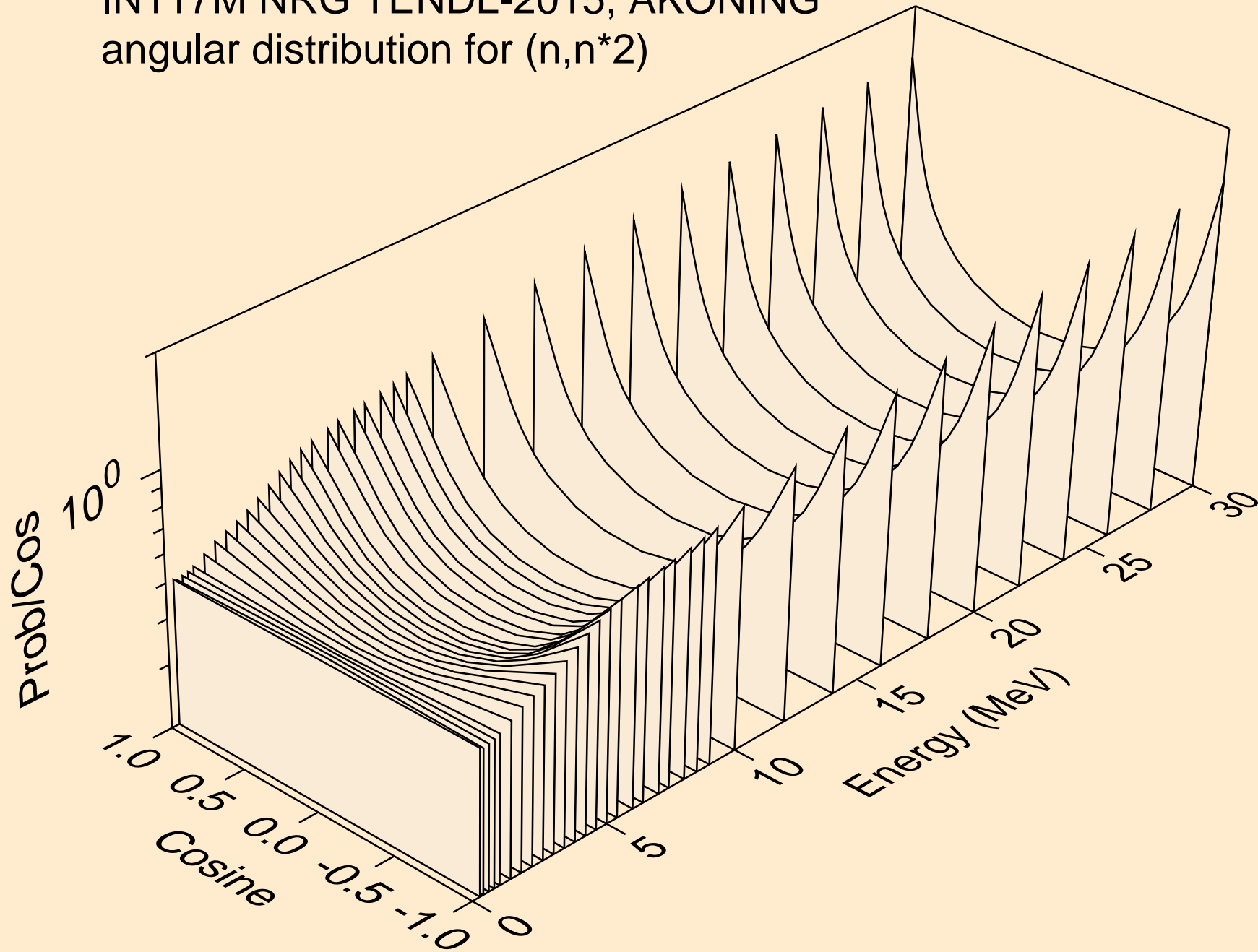
IN117M NRG TENDL-2015, AKONING  
angular distribution for elastic



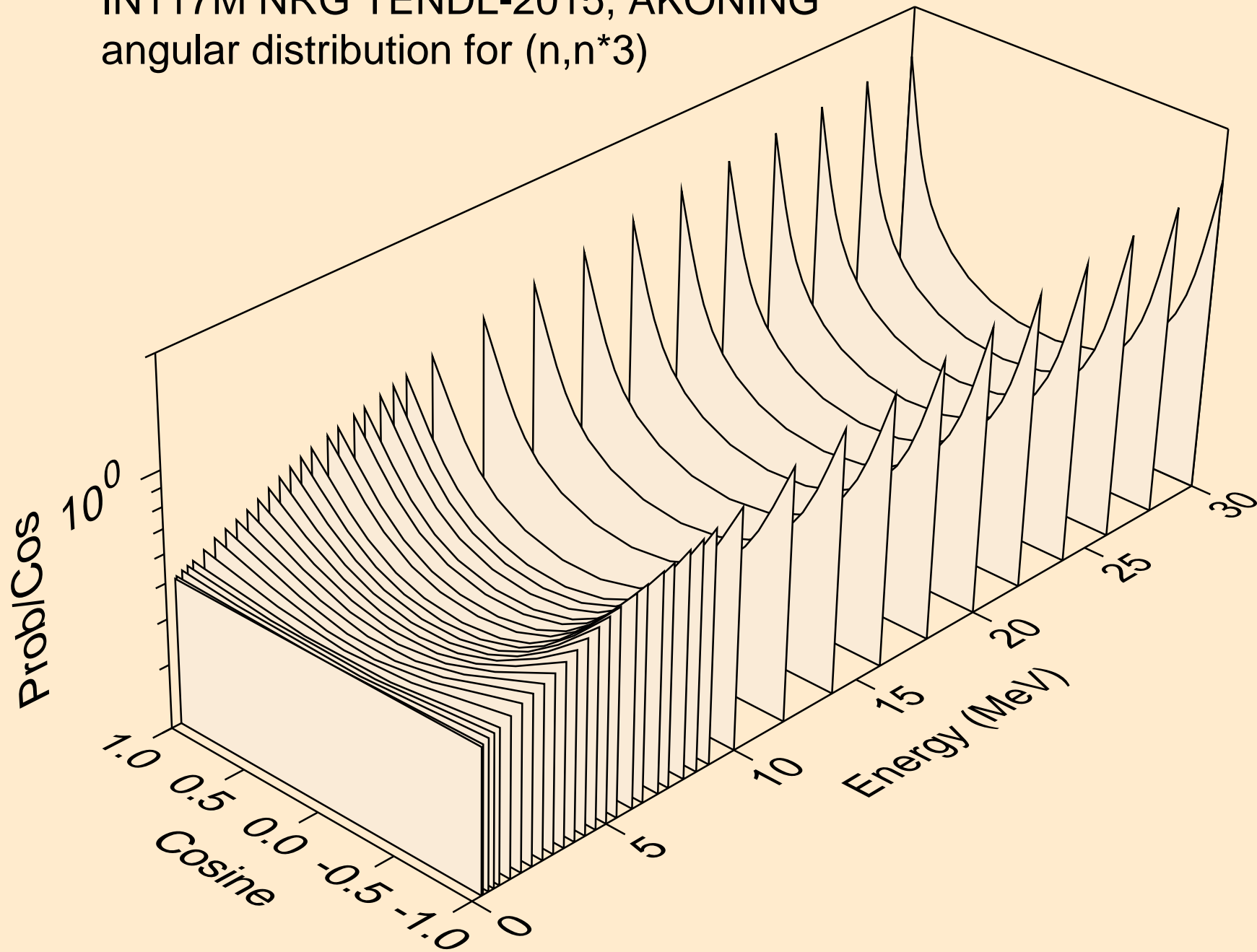
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



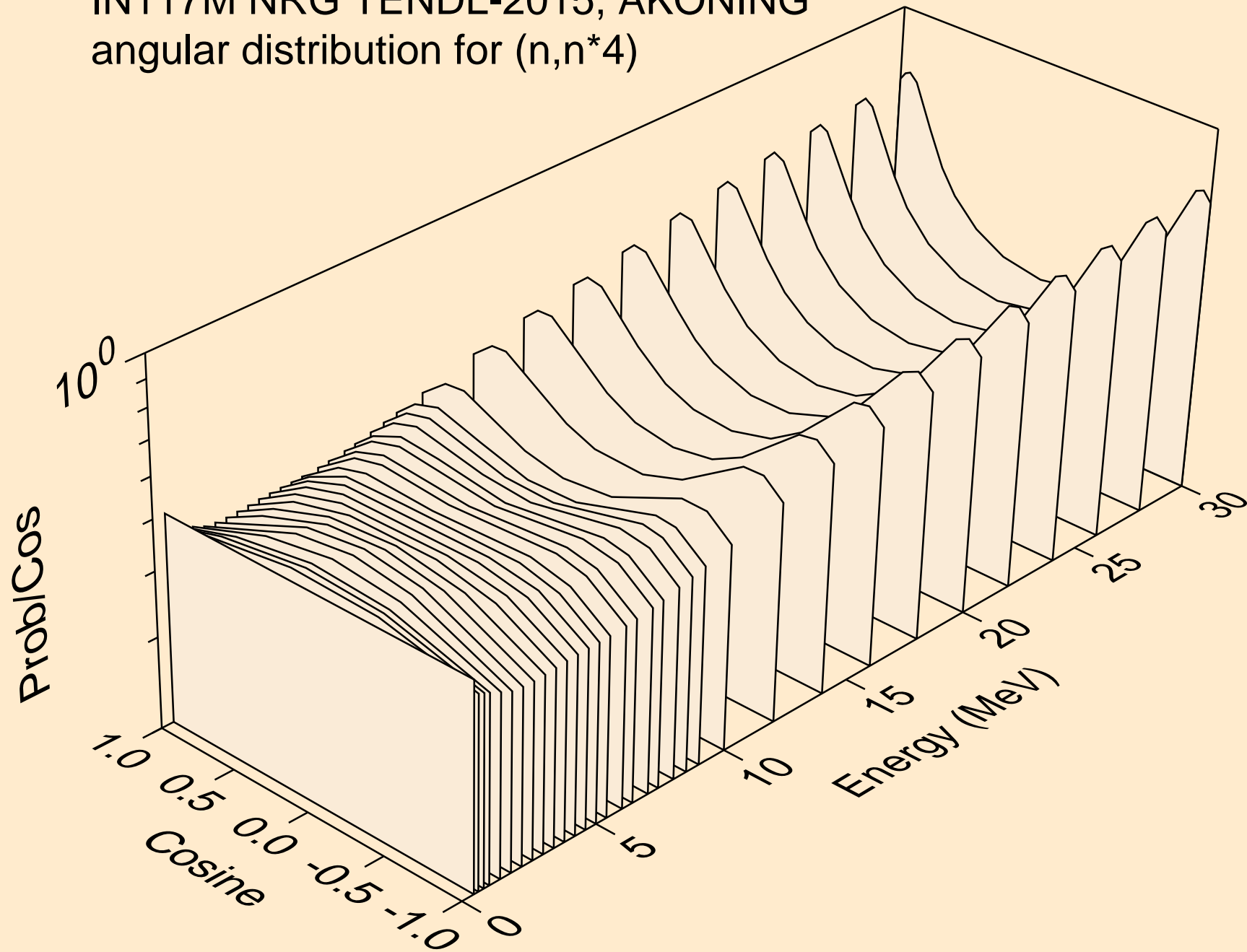
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



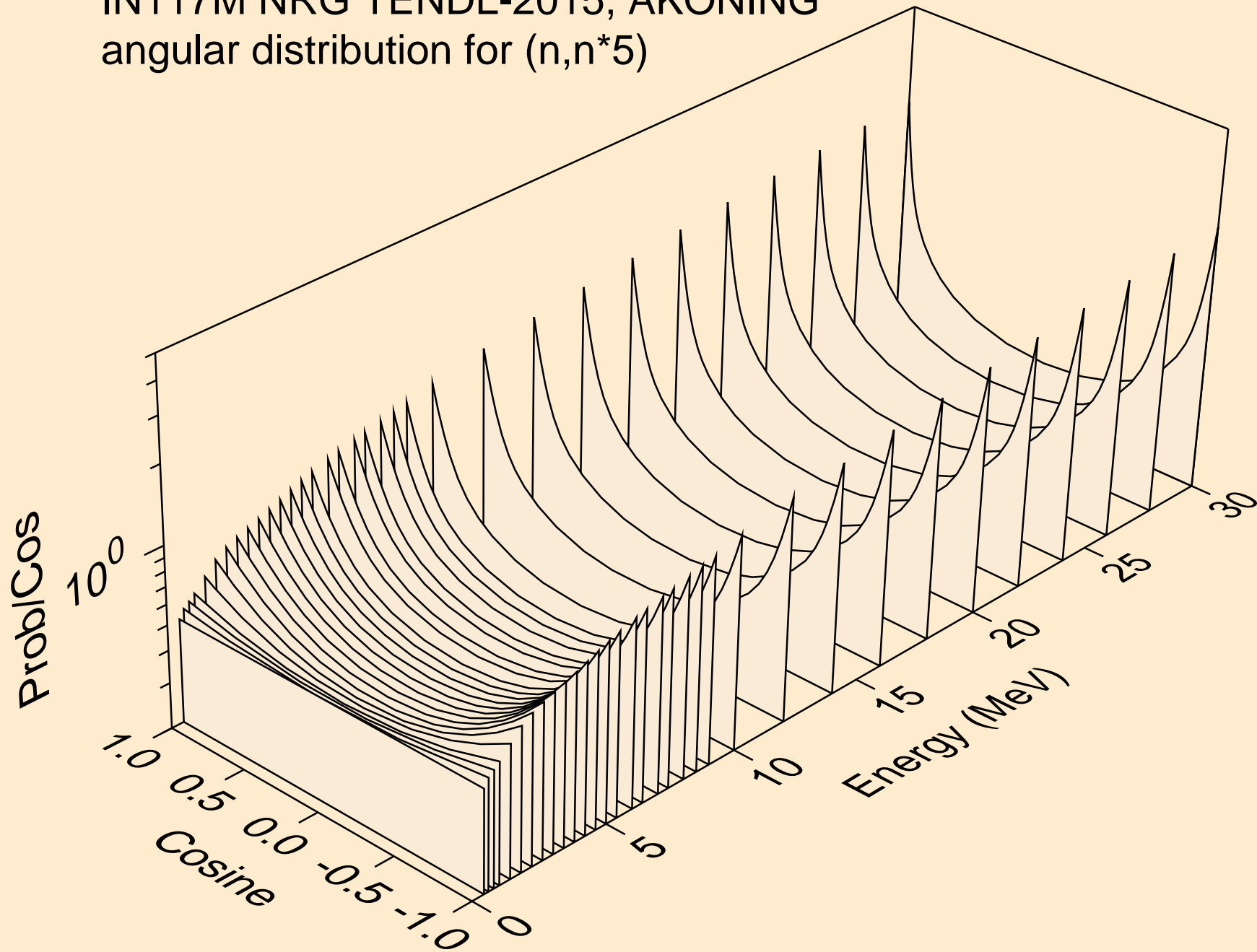
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



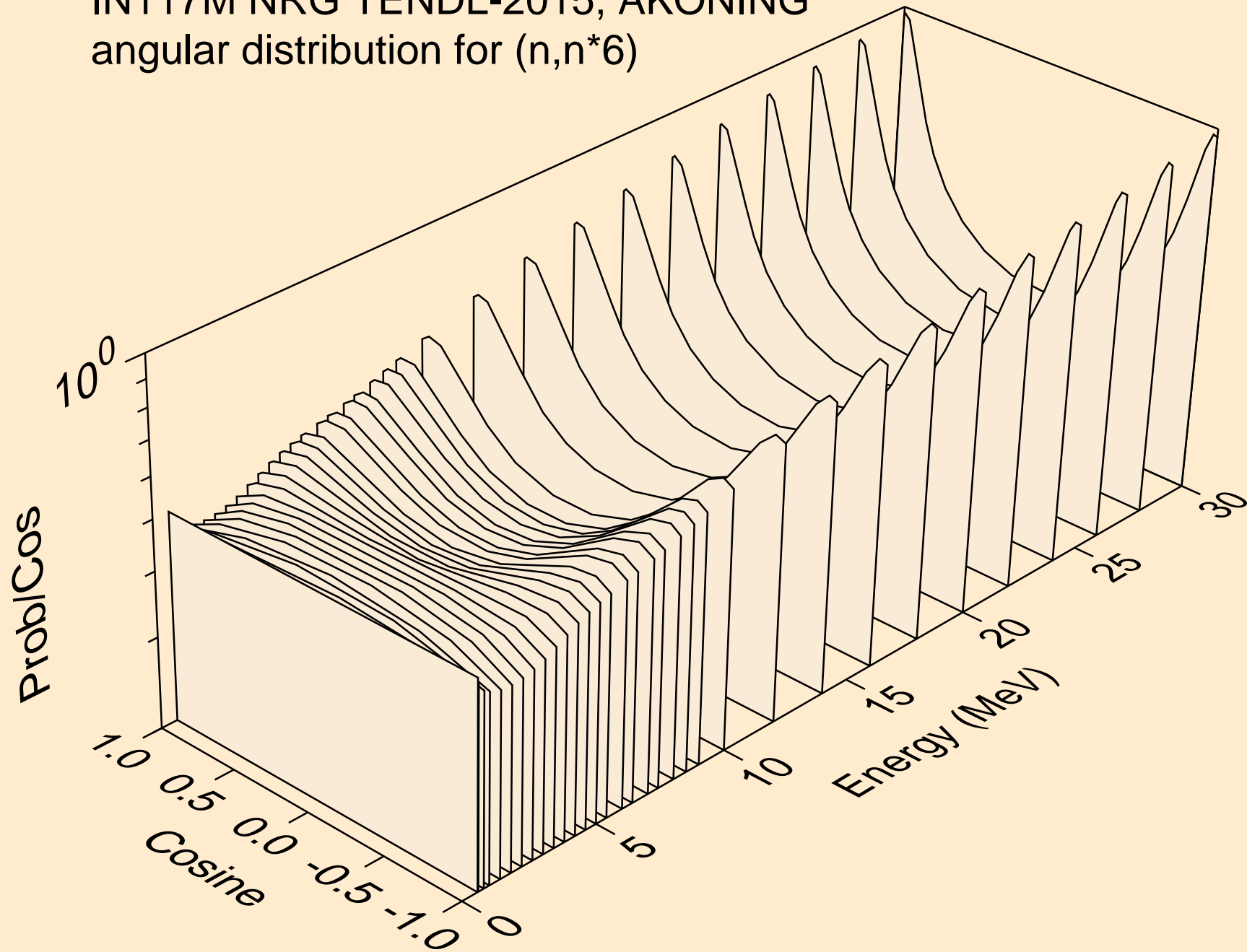
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

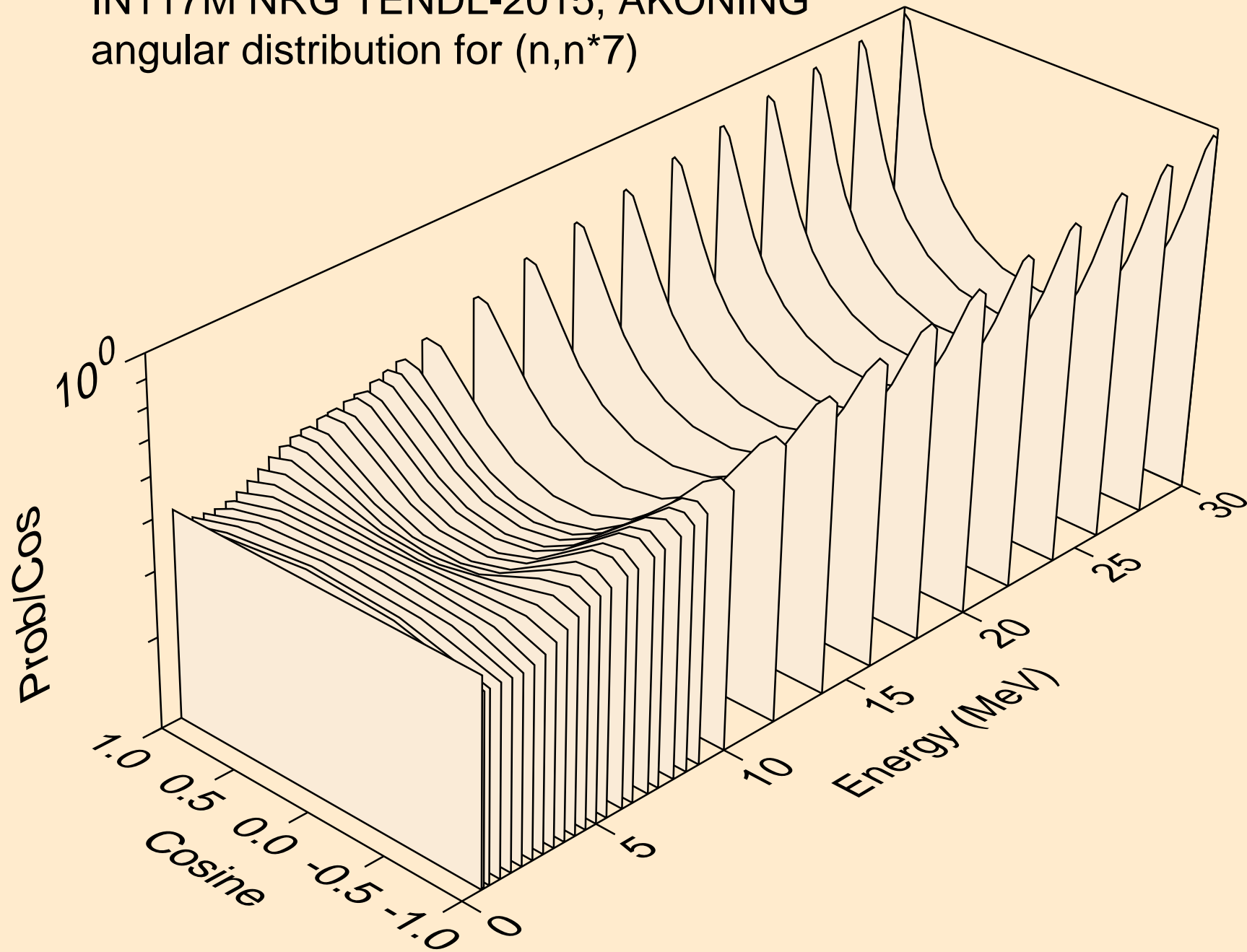


IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

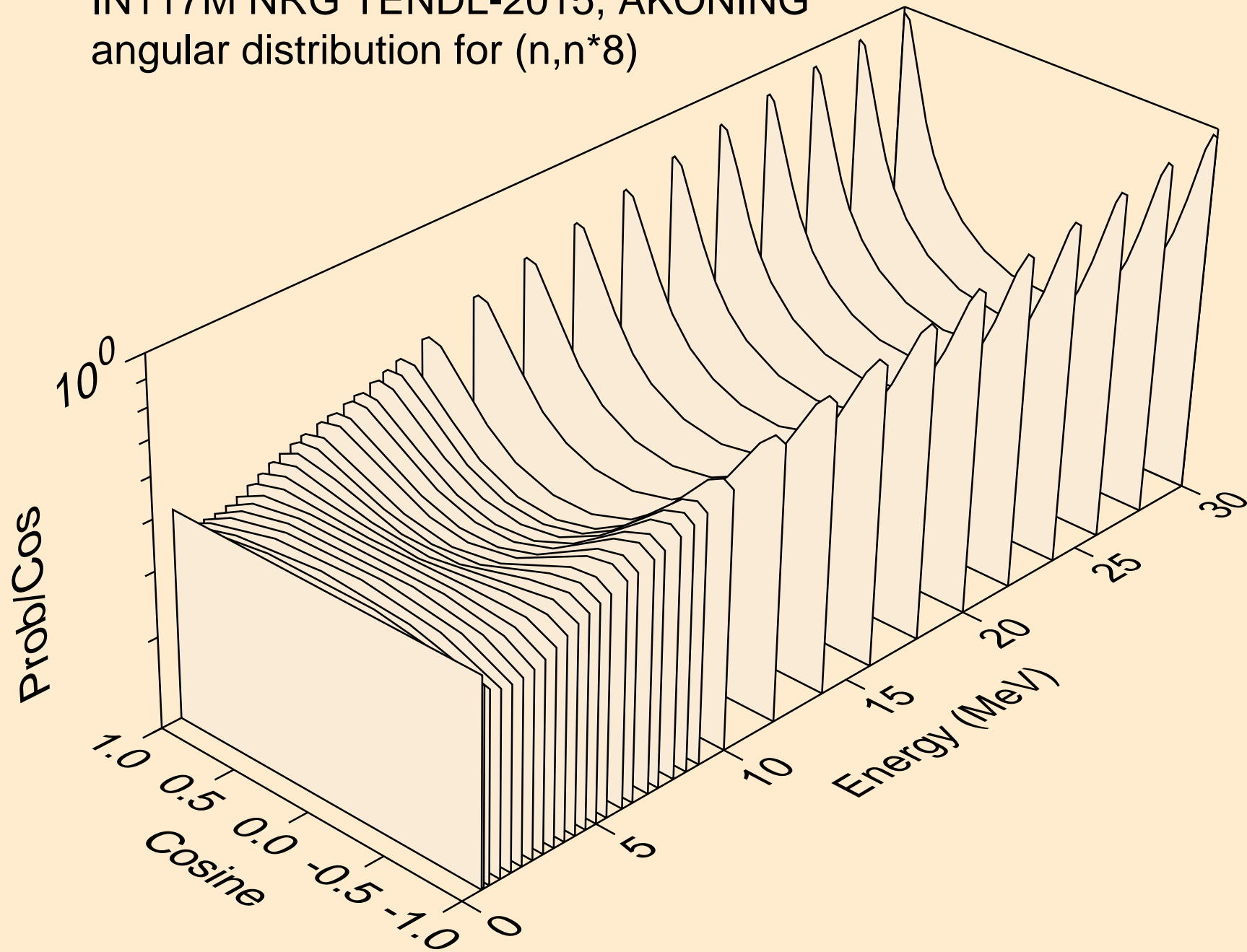




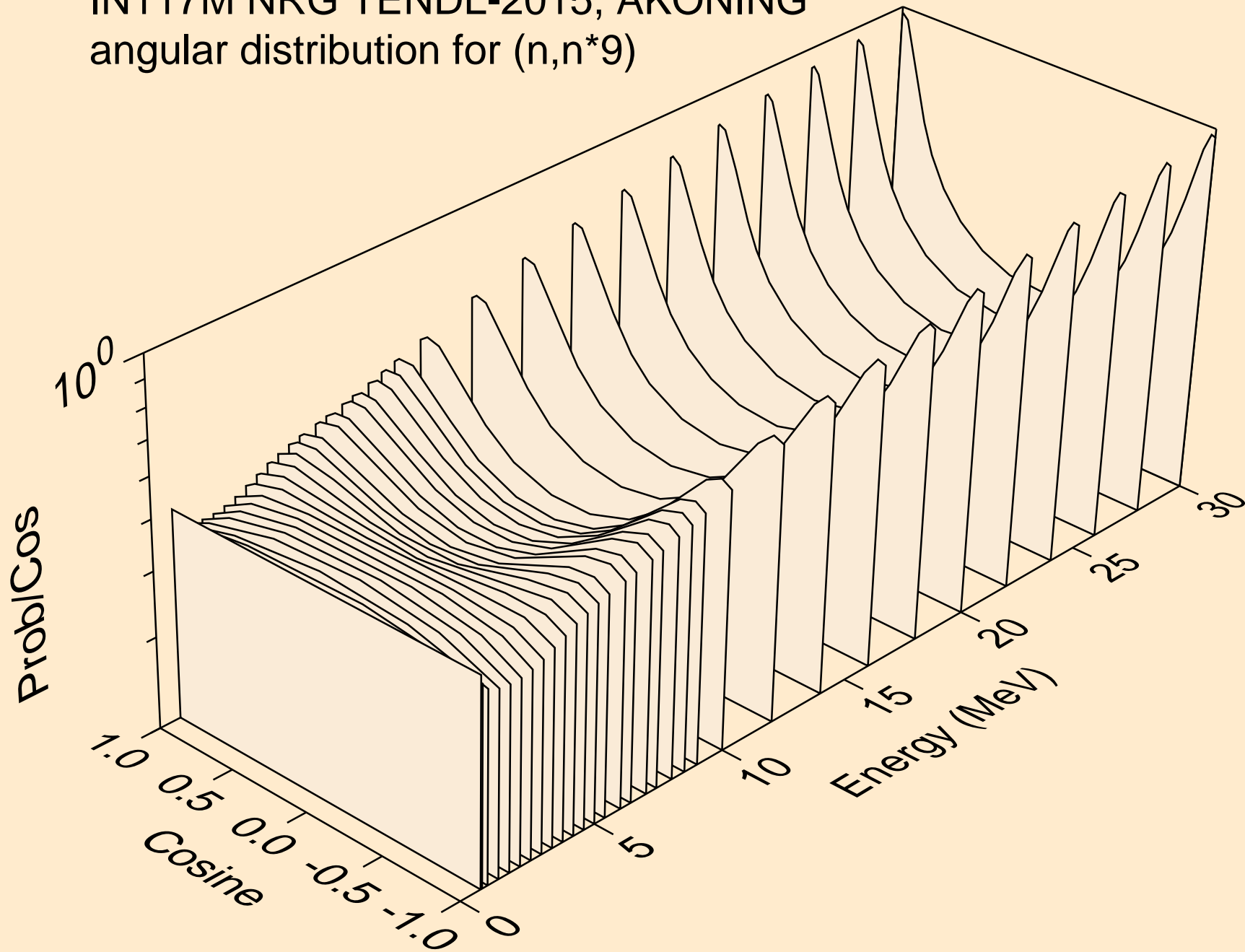
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



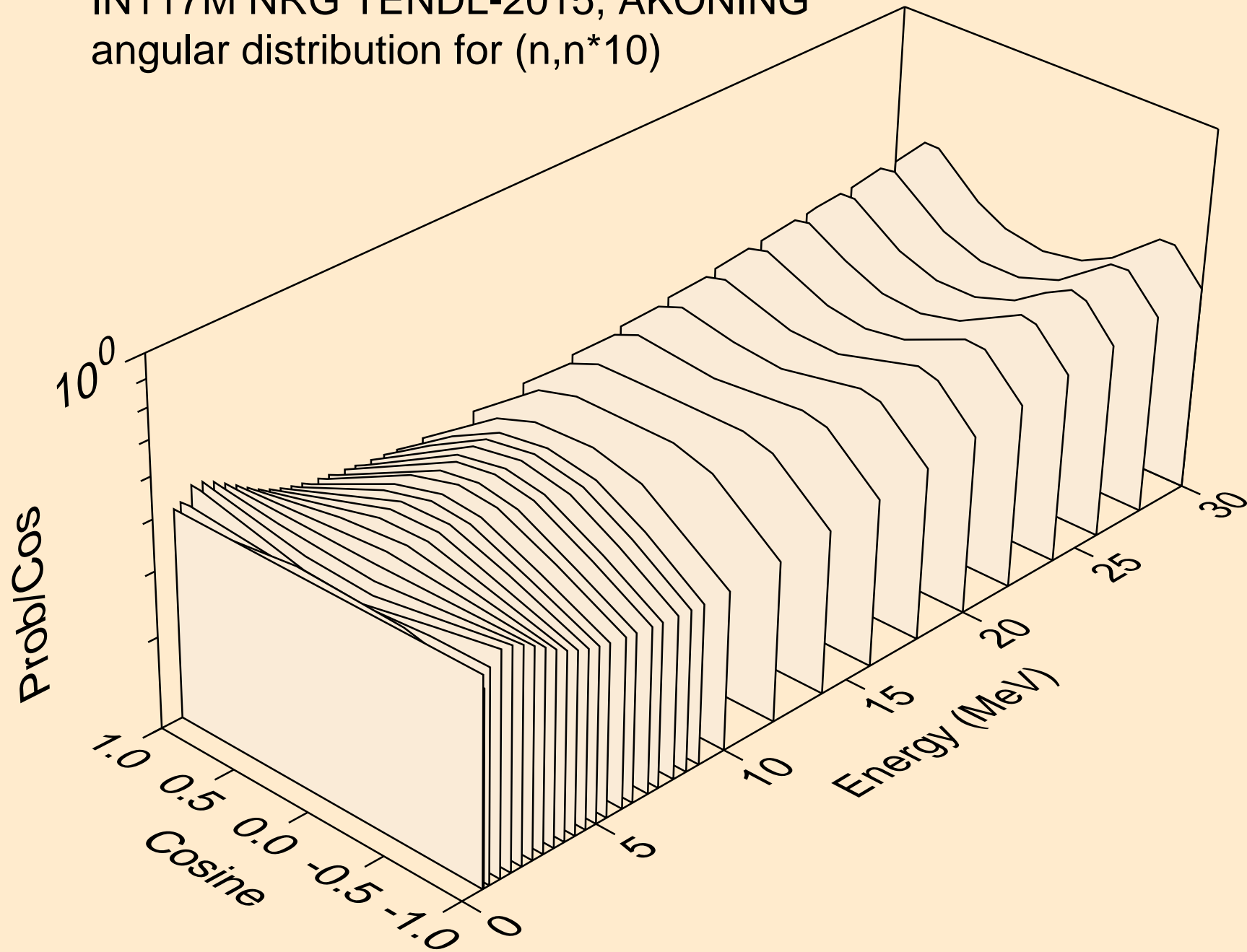
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



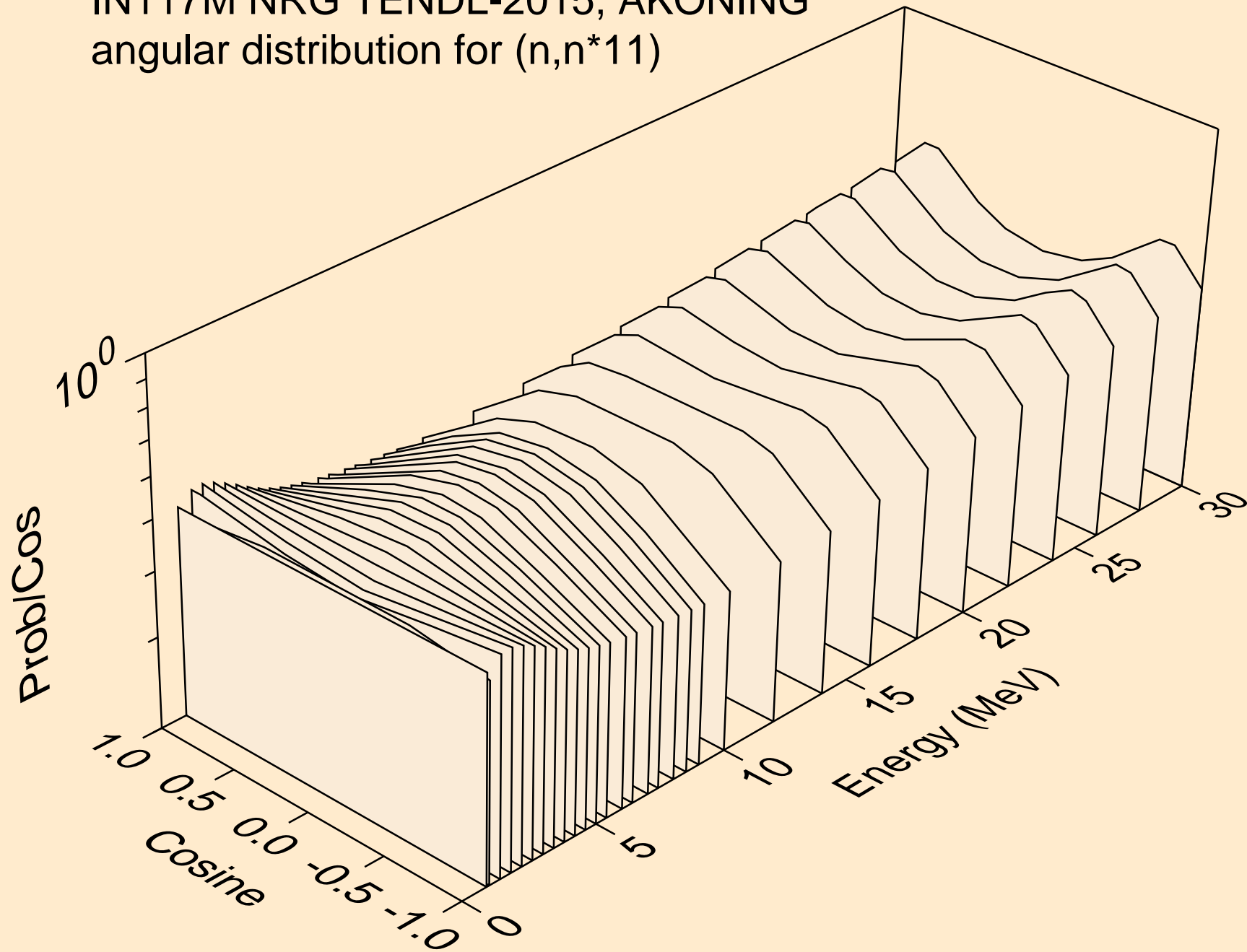
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



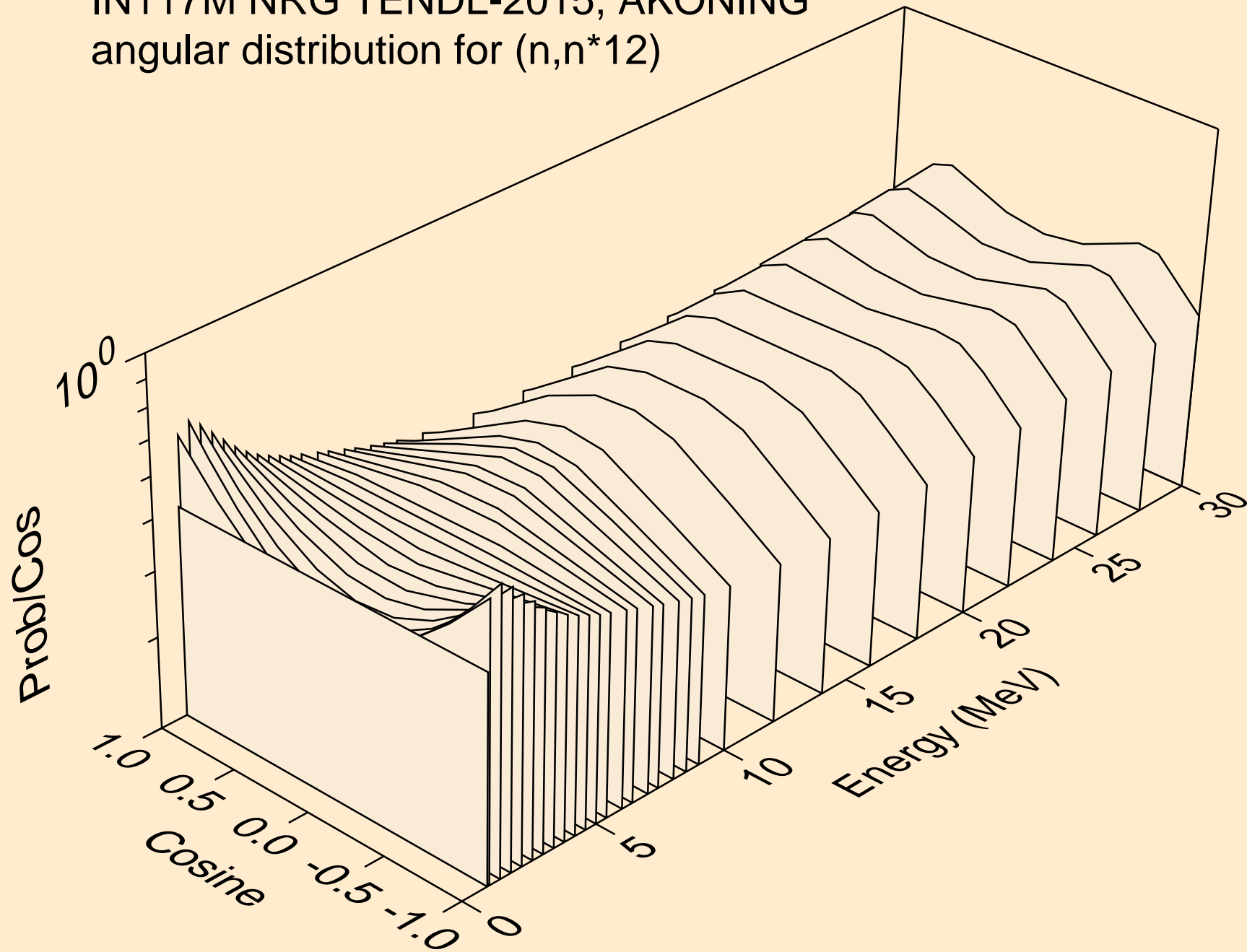
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



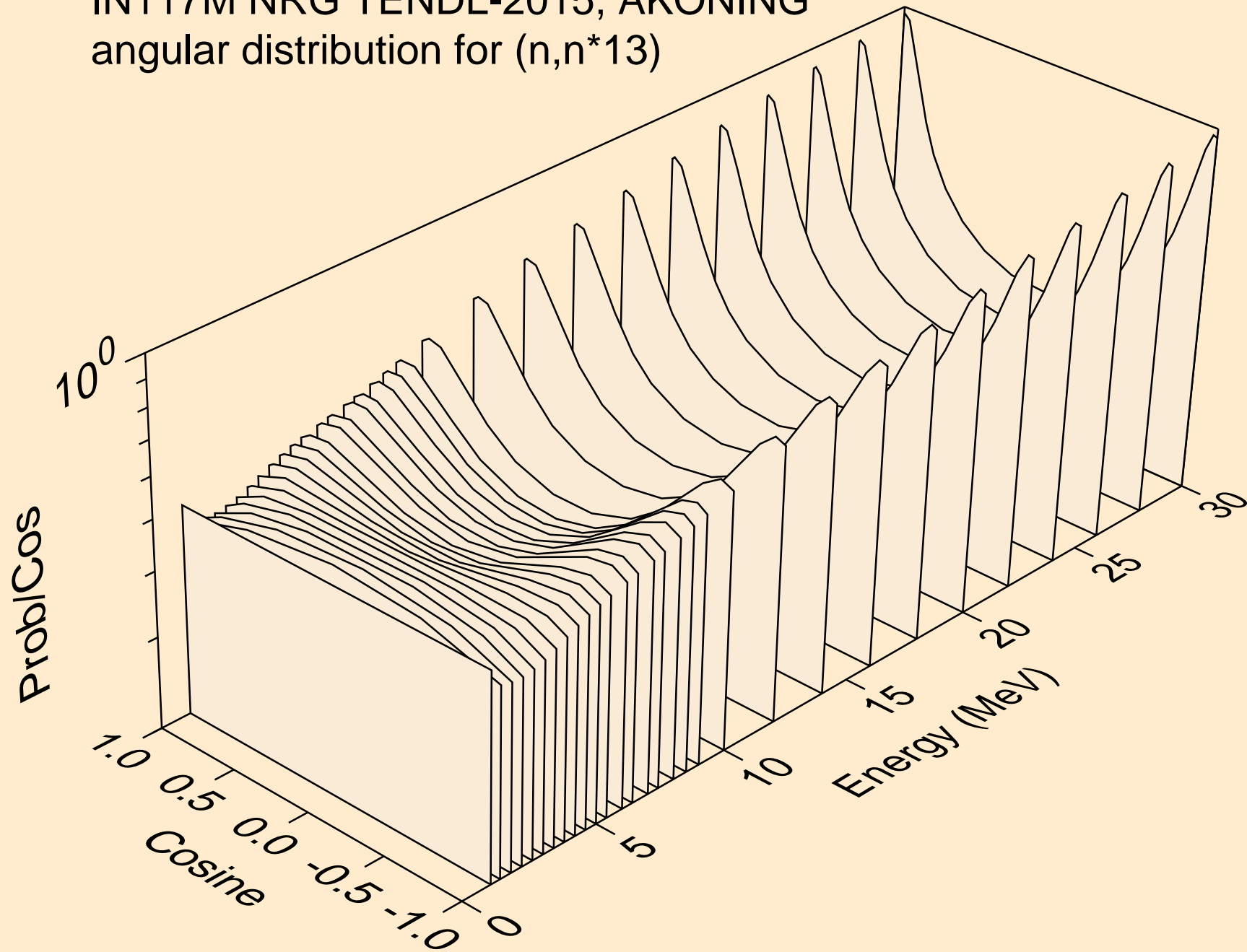
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



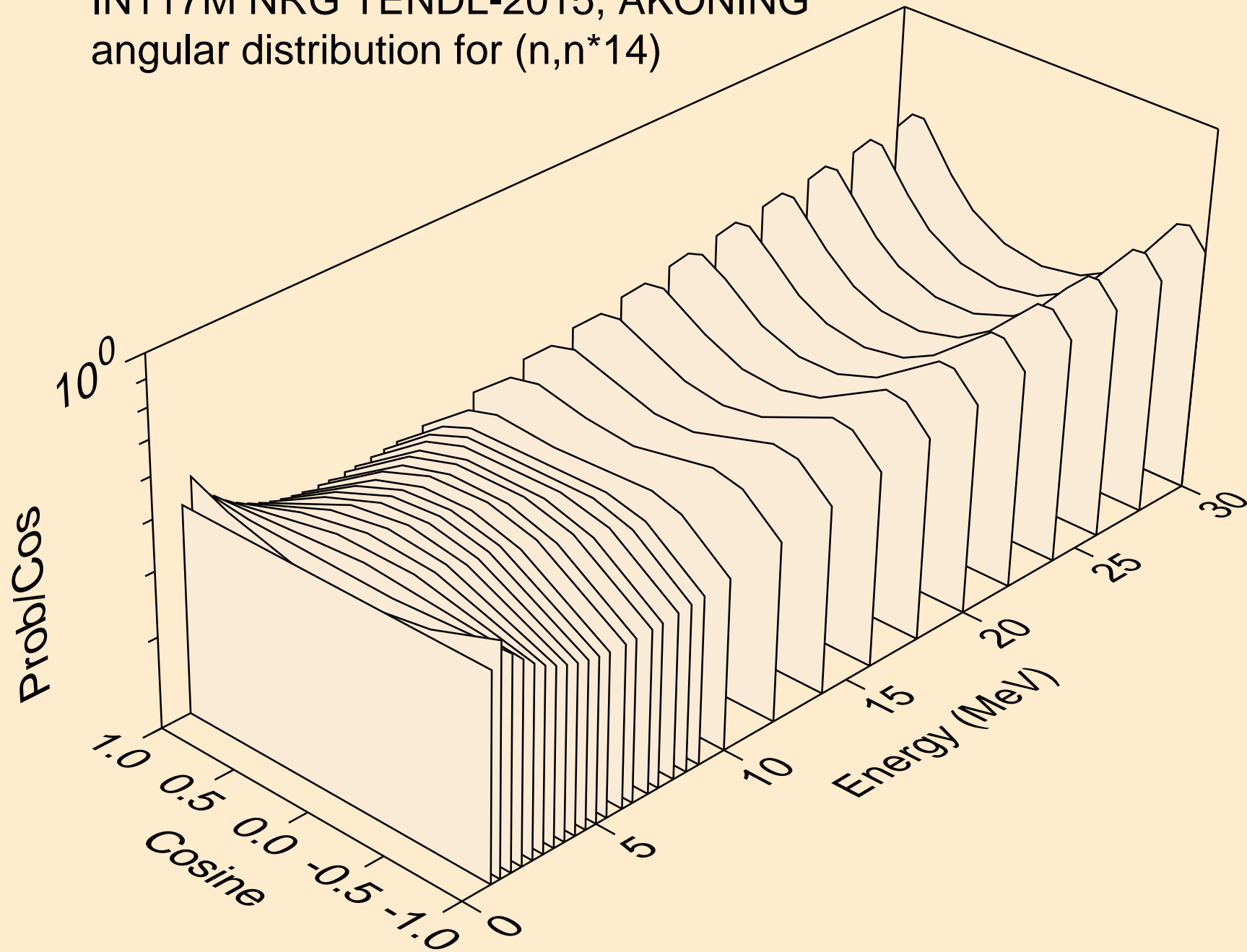
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

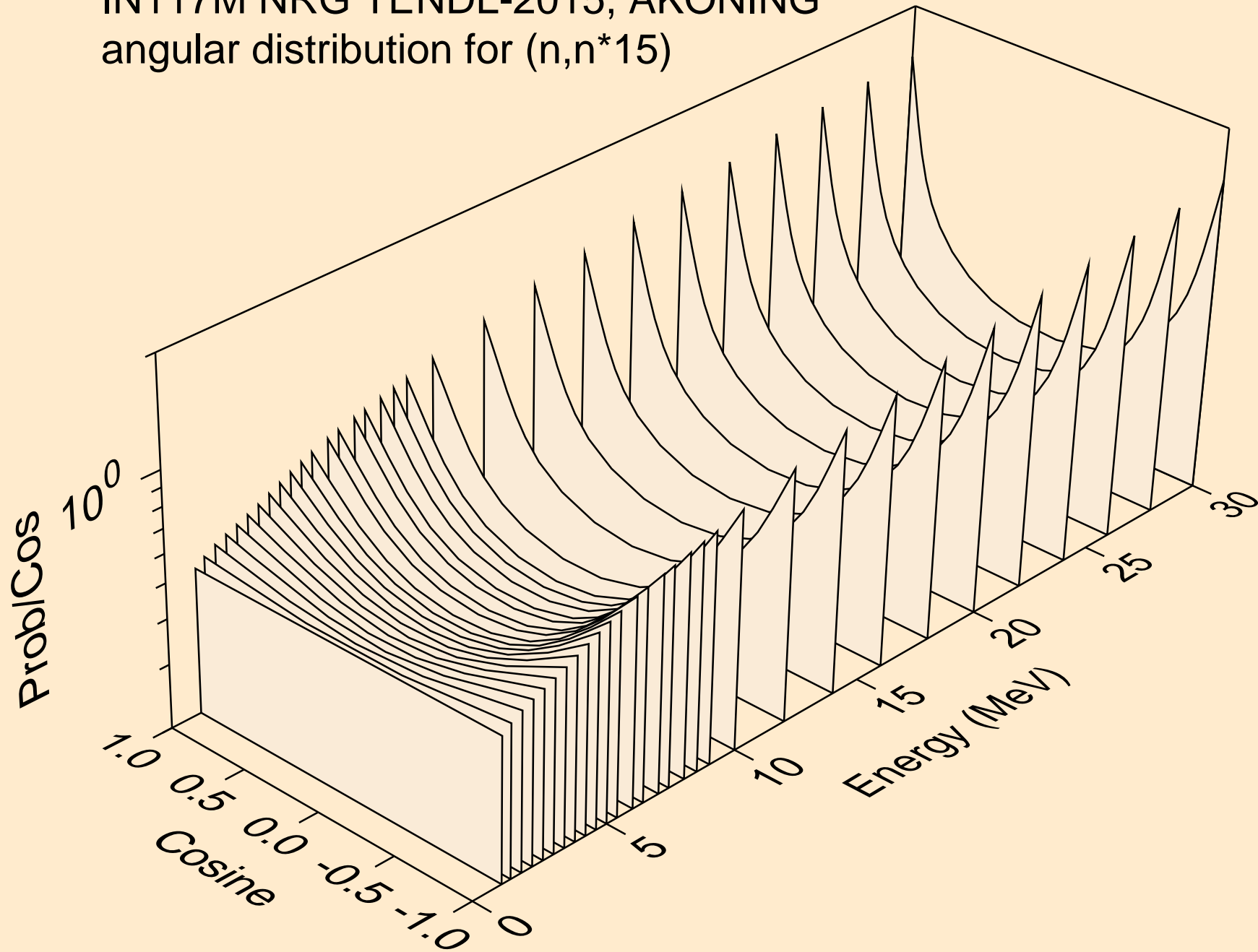


IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

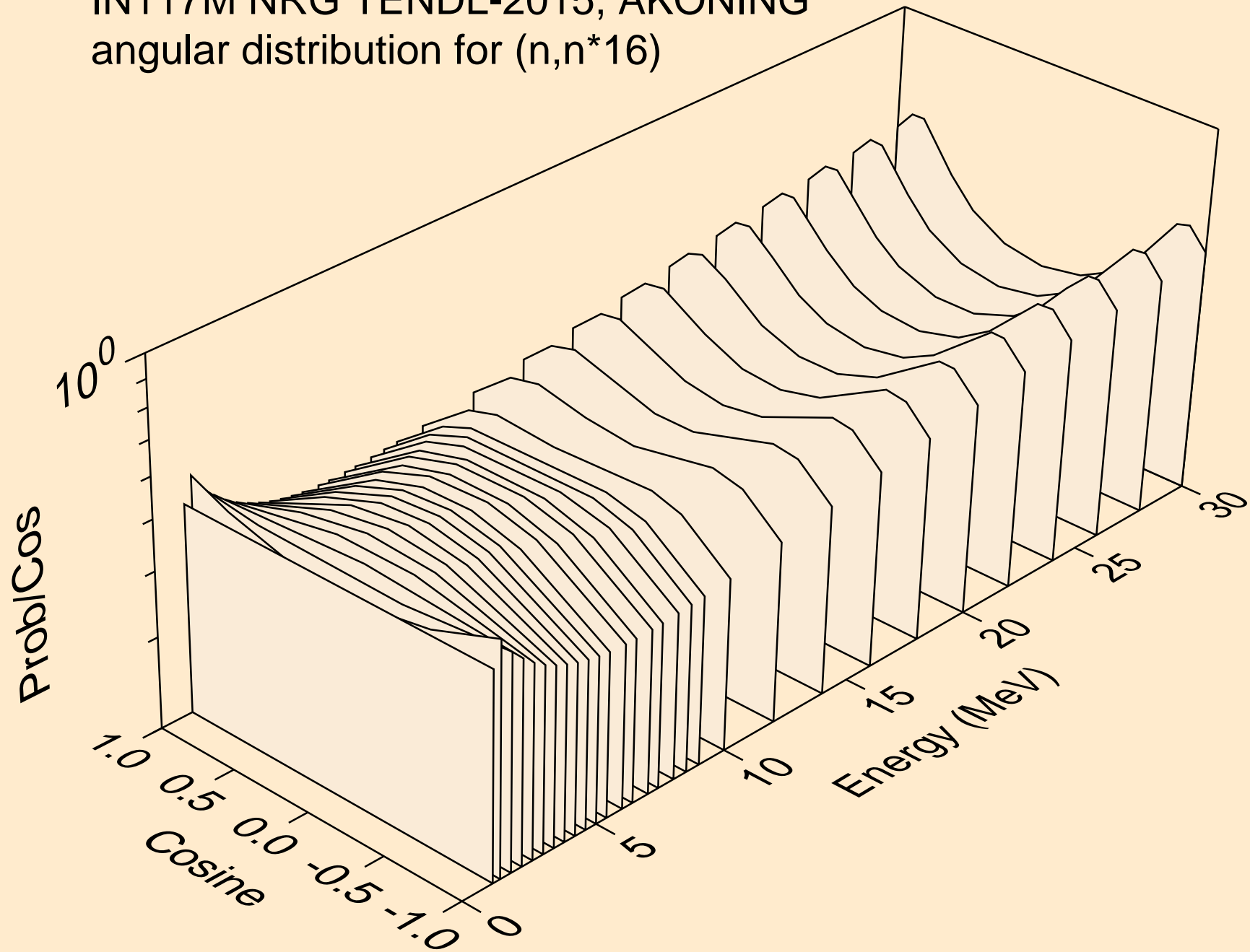




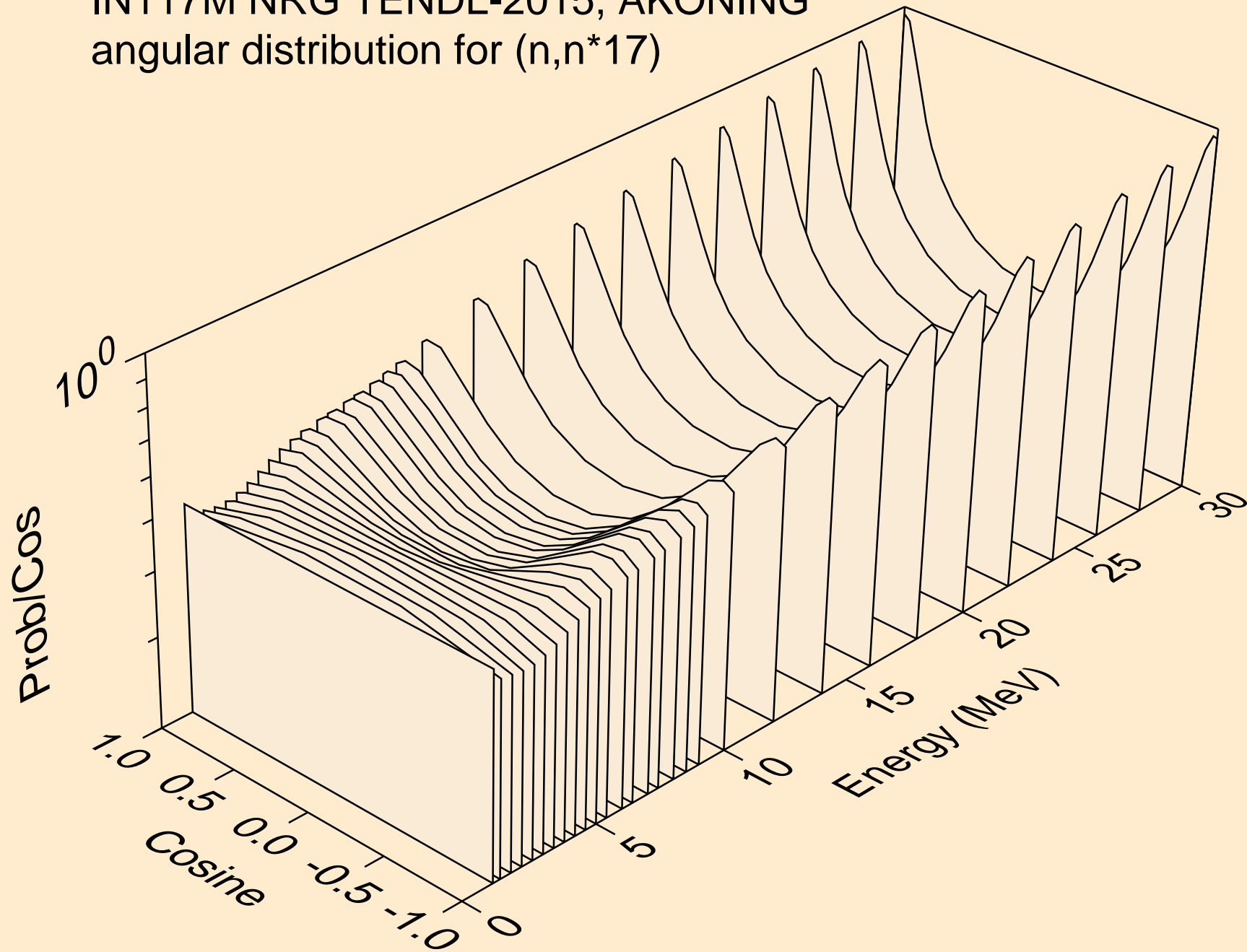
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



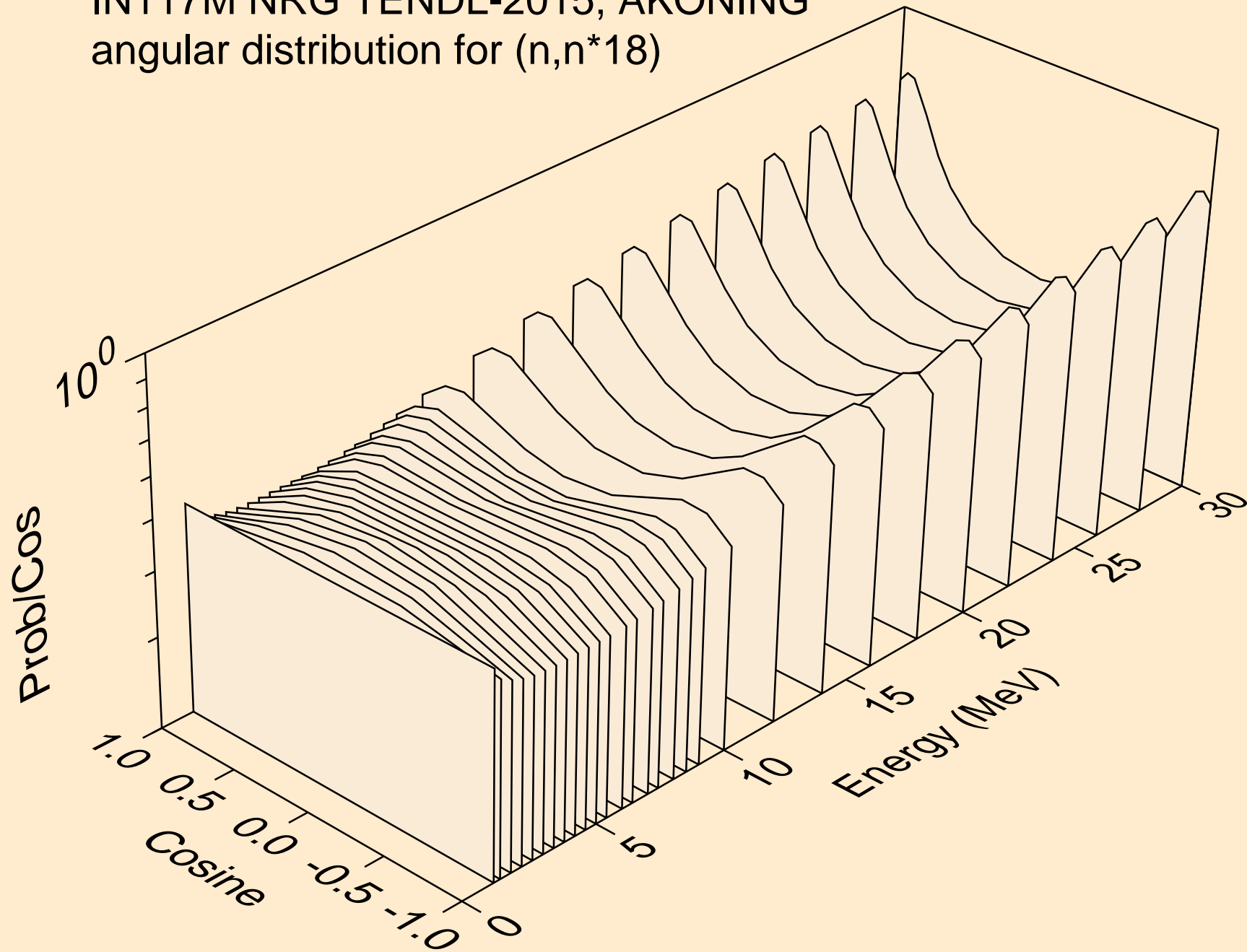
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



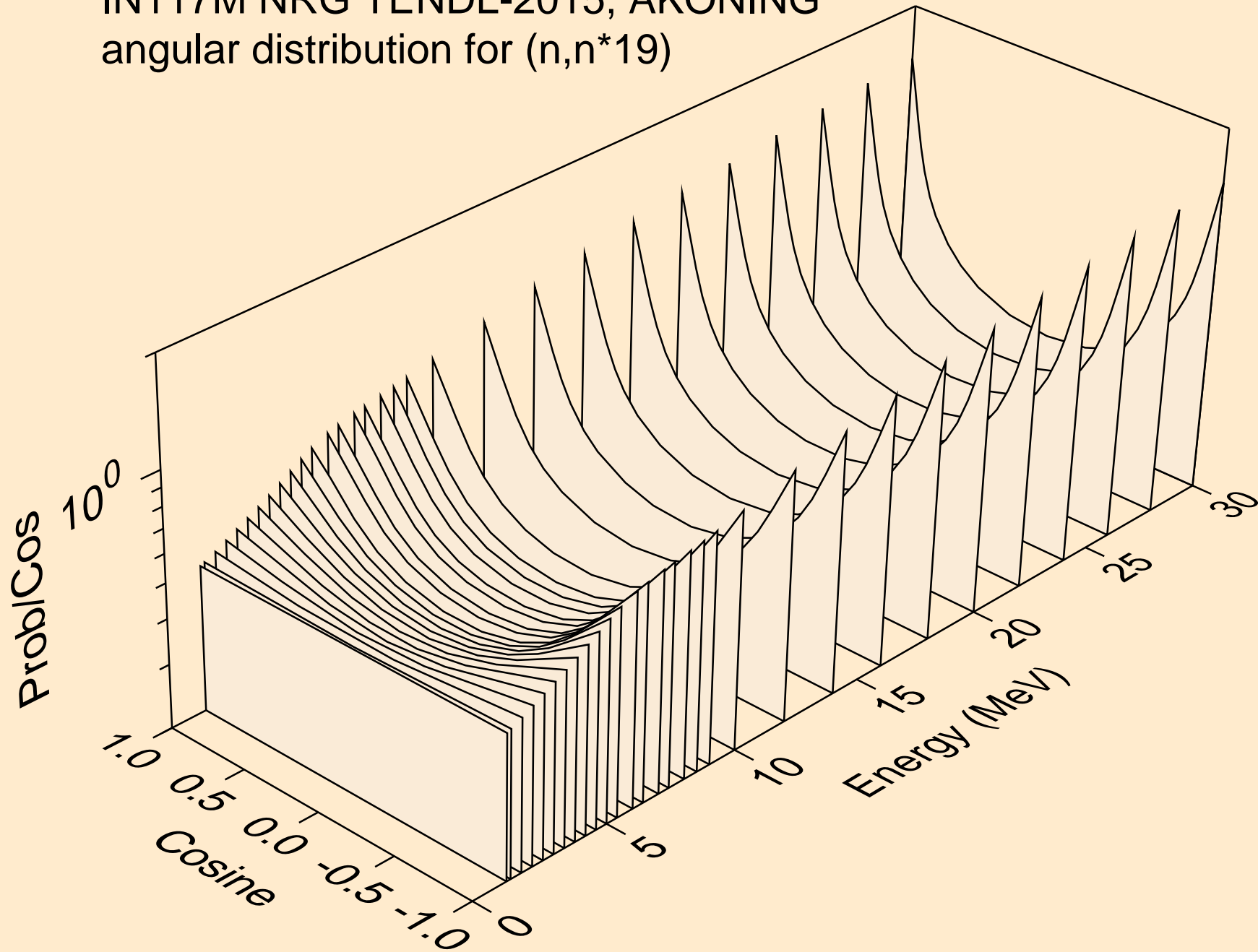
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



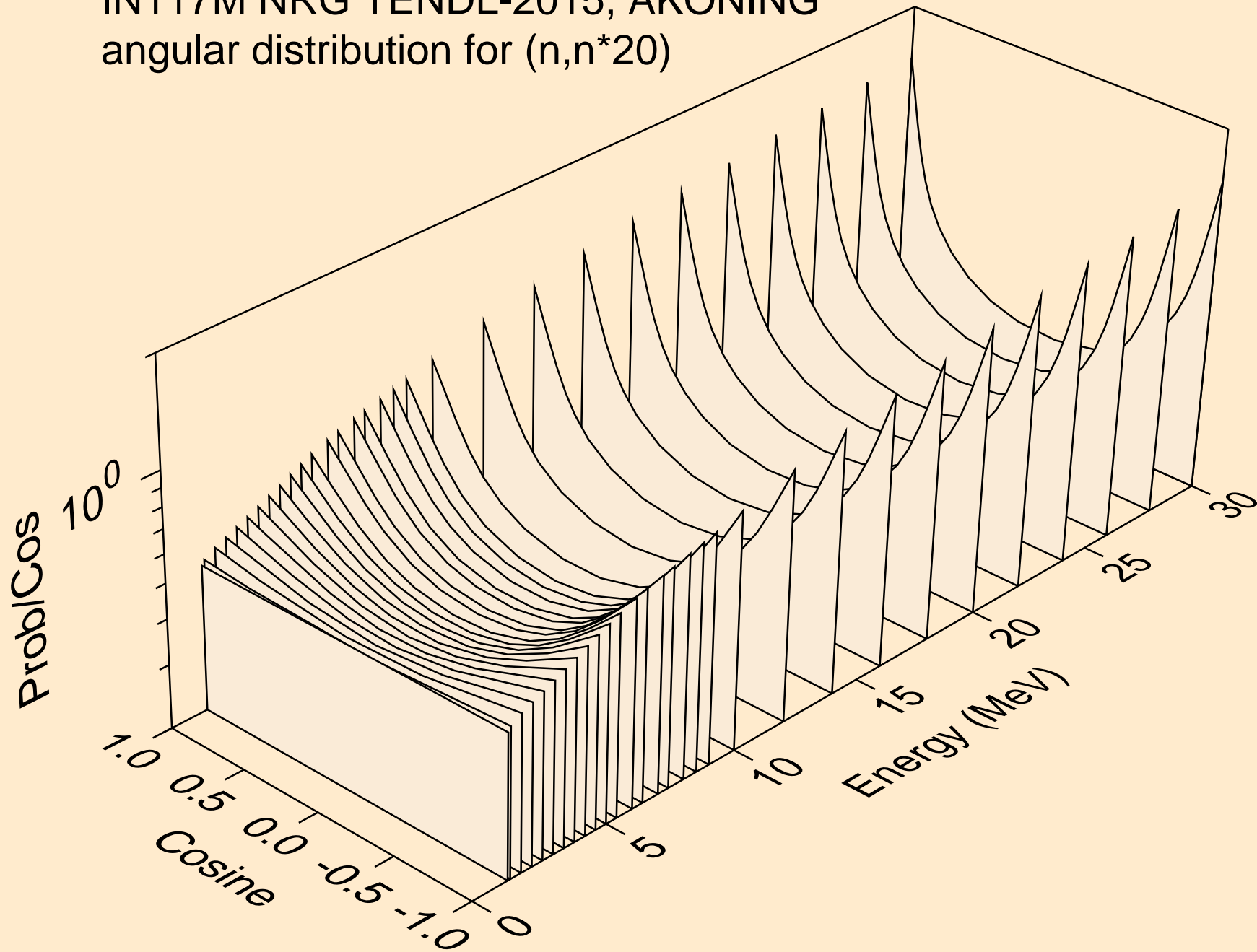
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



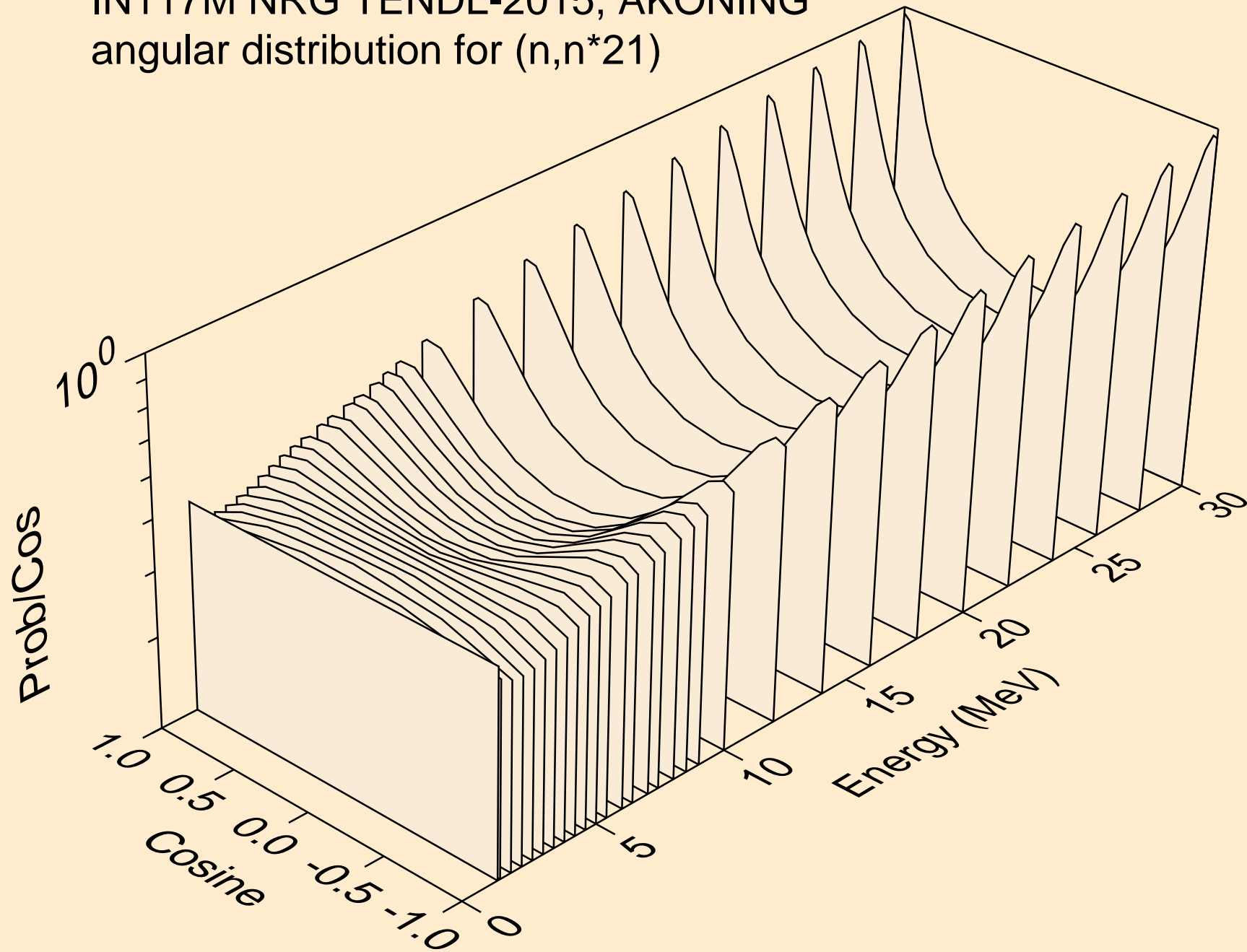
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



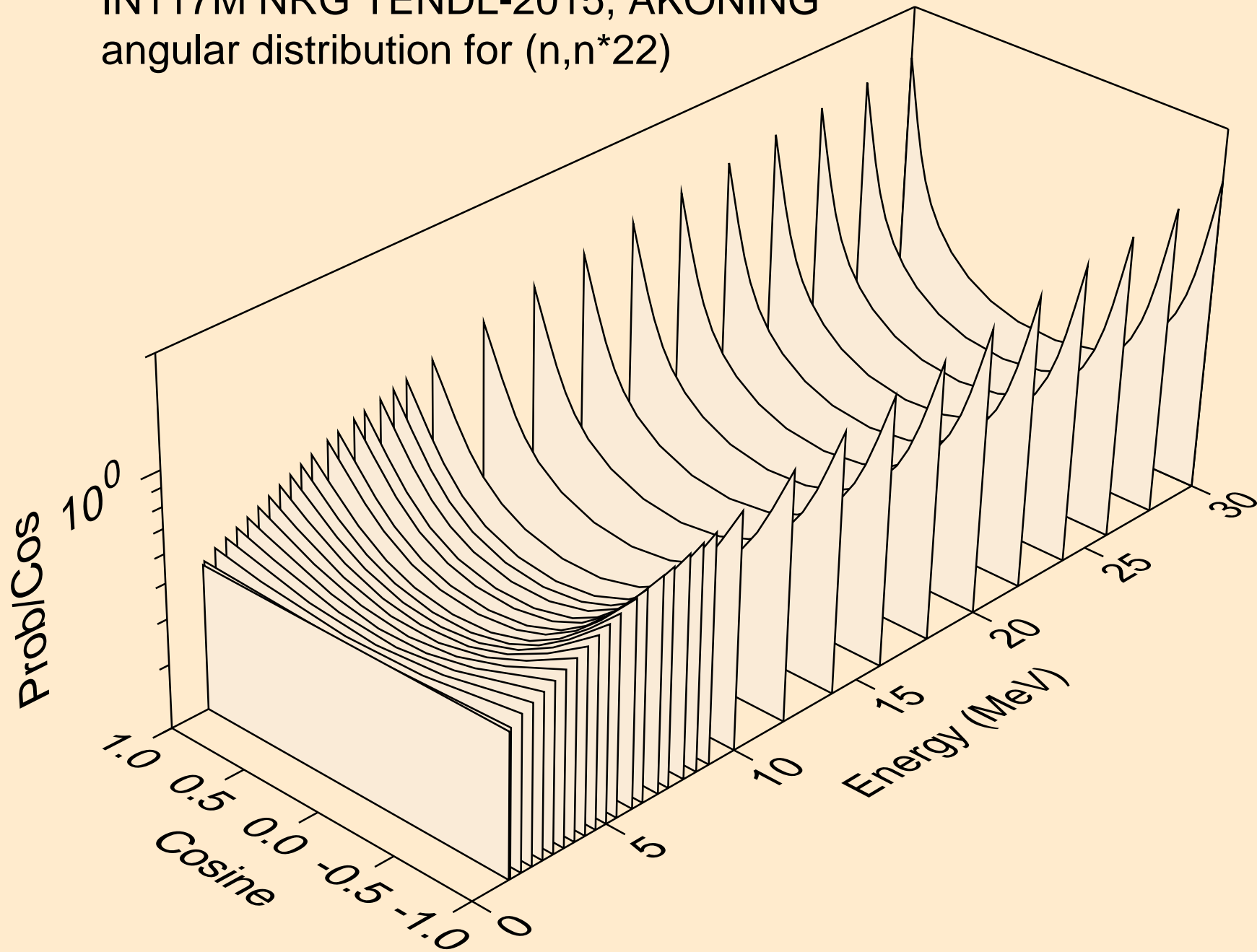
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

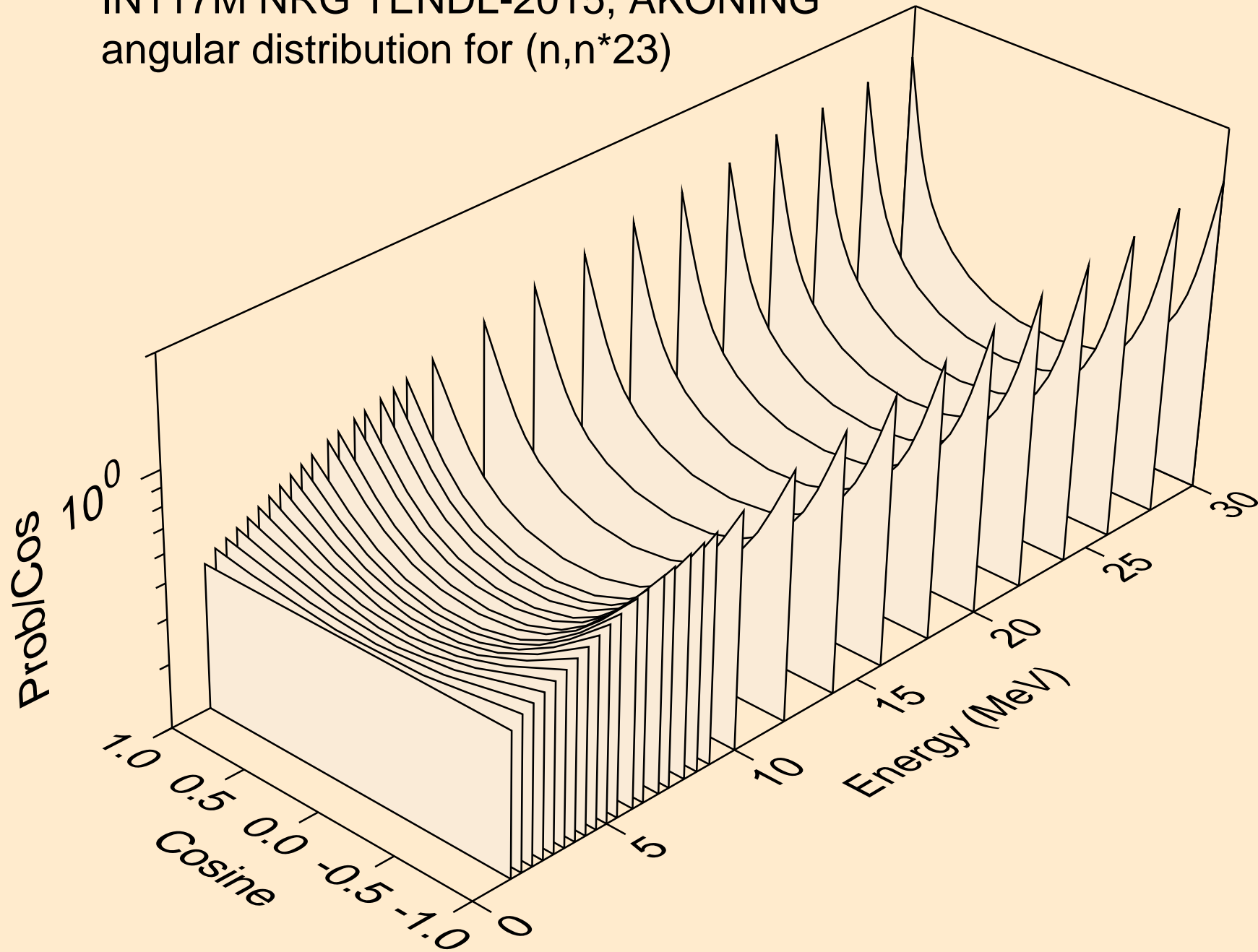


IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

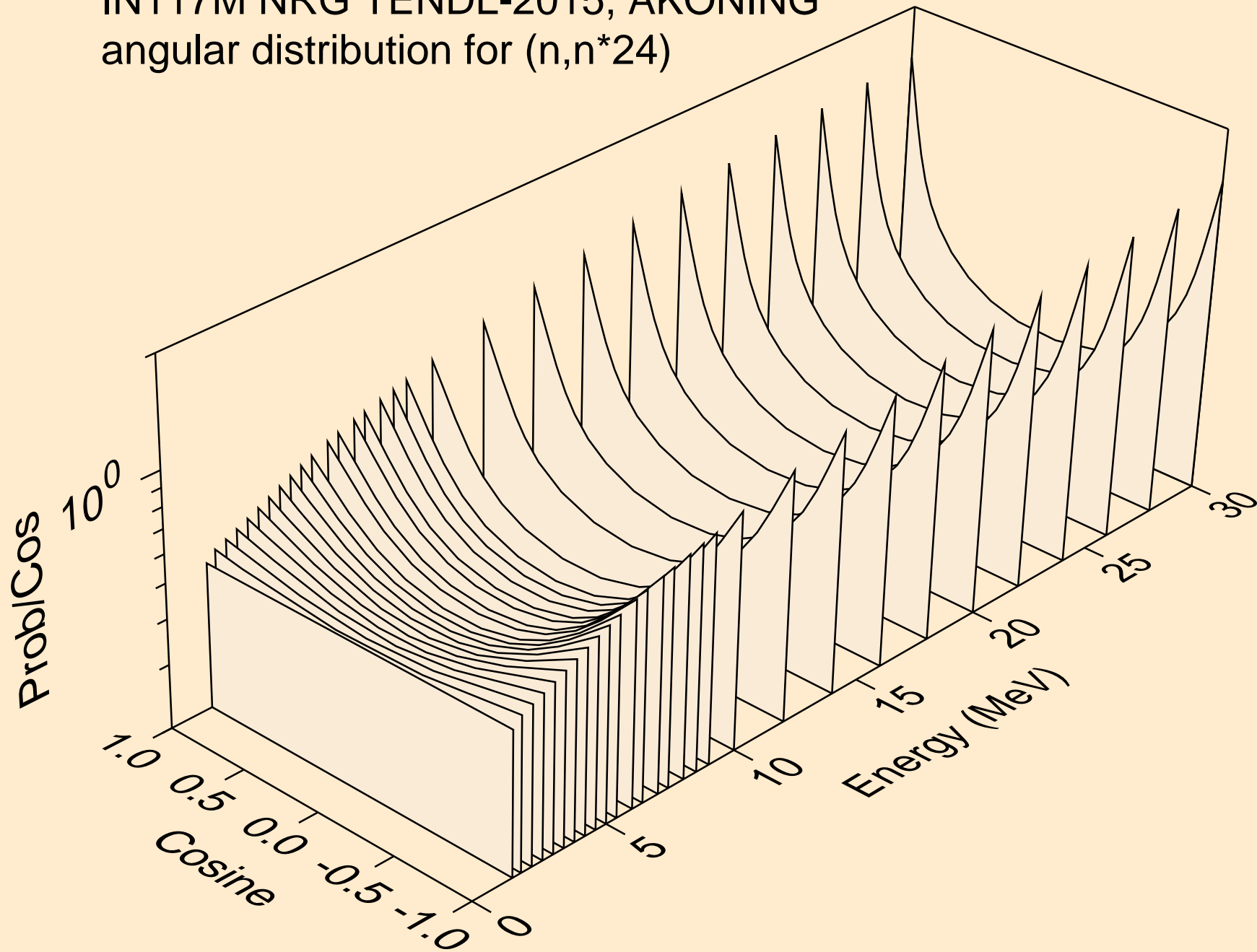




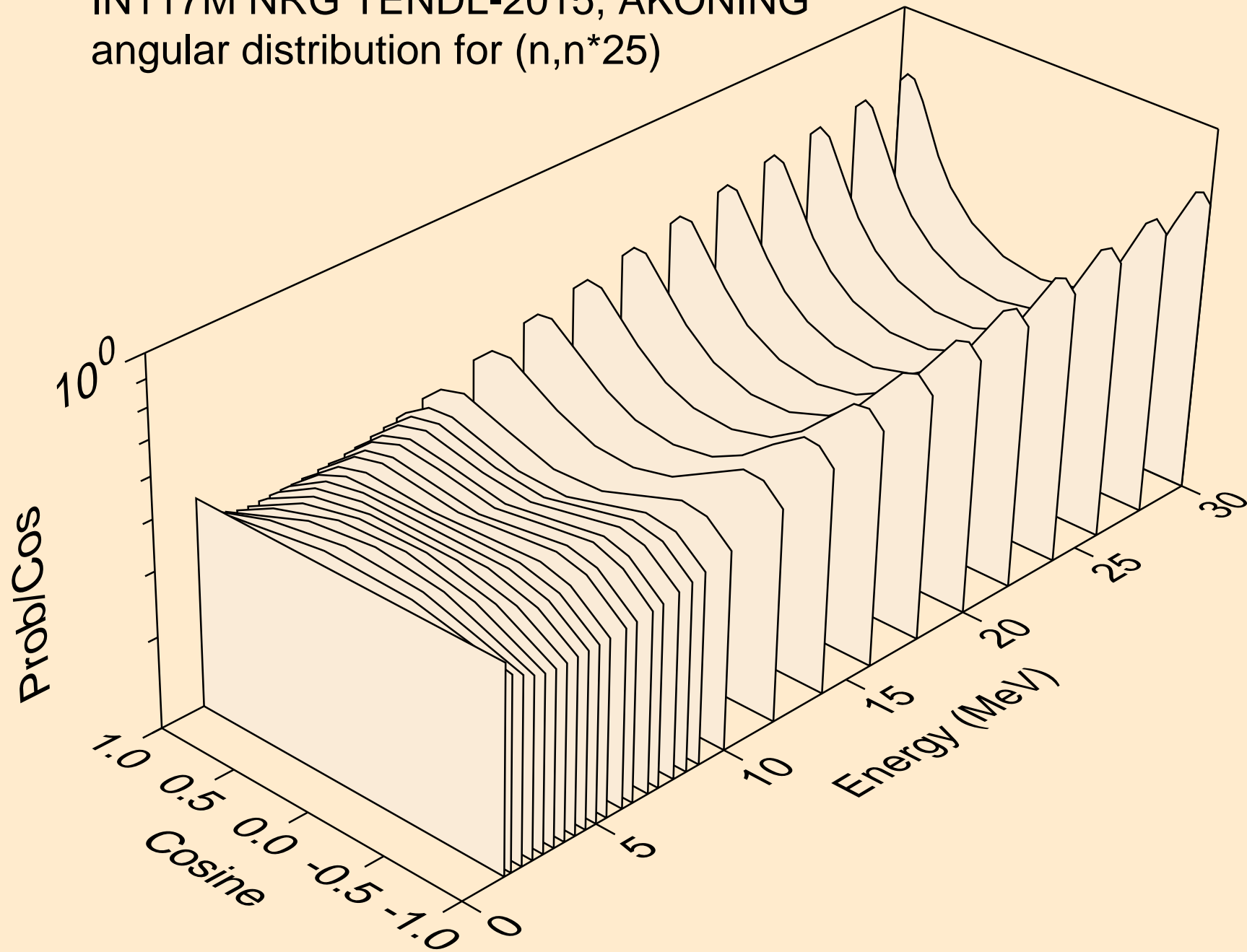
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angular distribution for (n,n\*23)



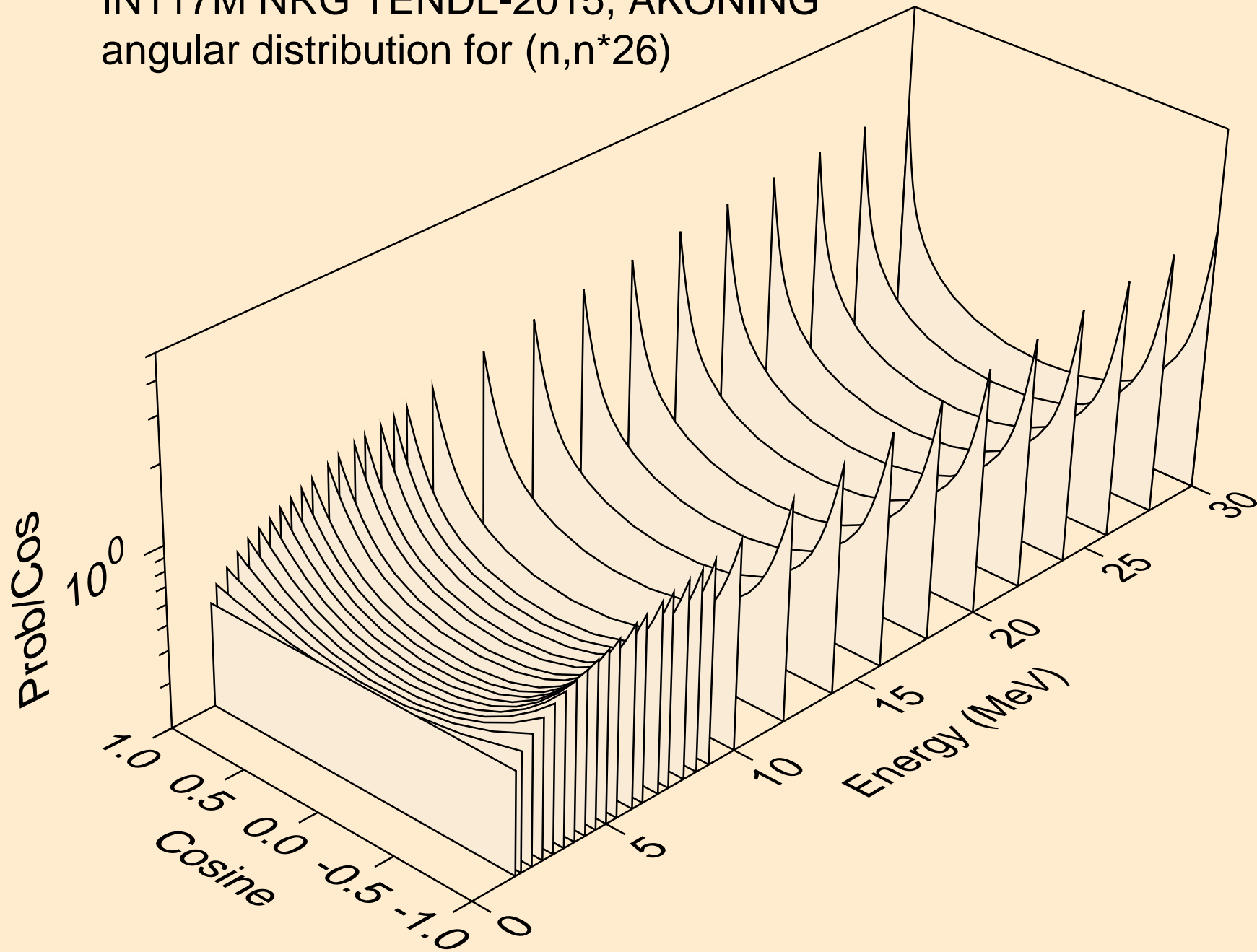
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angular distribution for (n,n\*24)



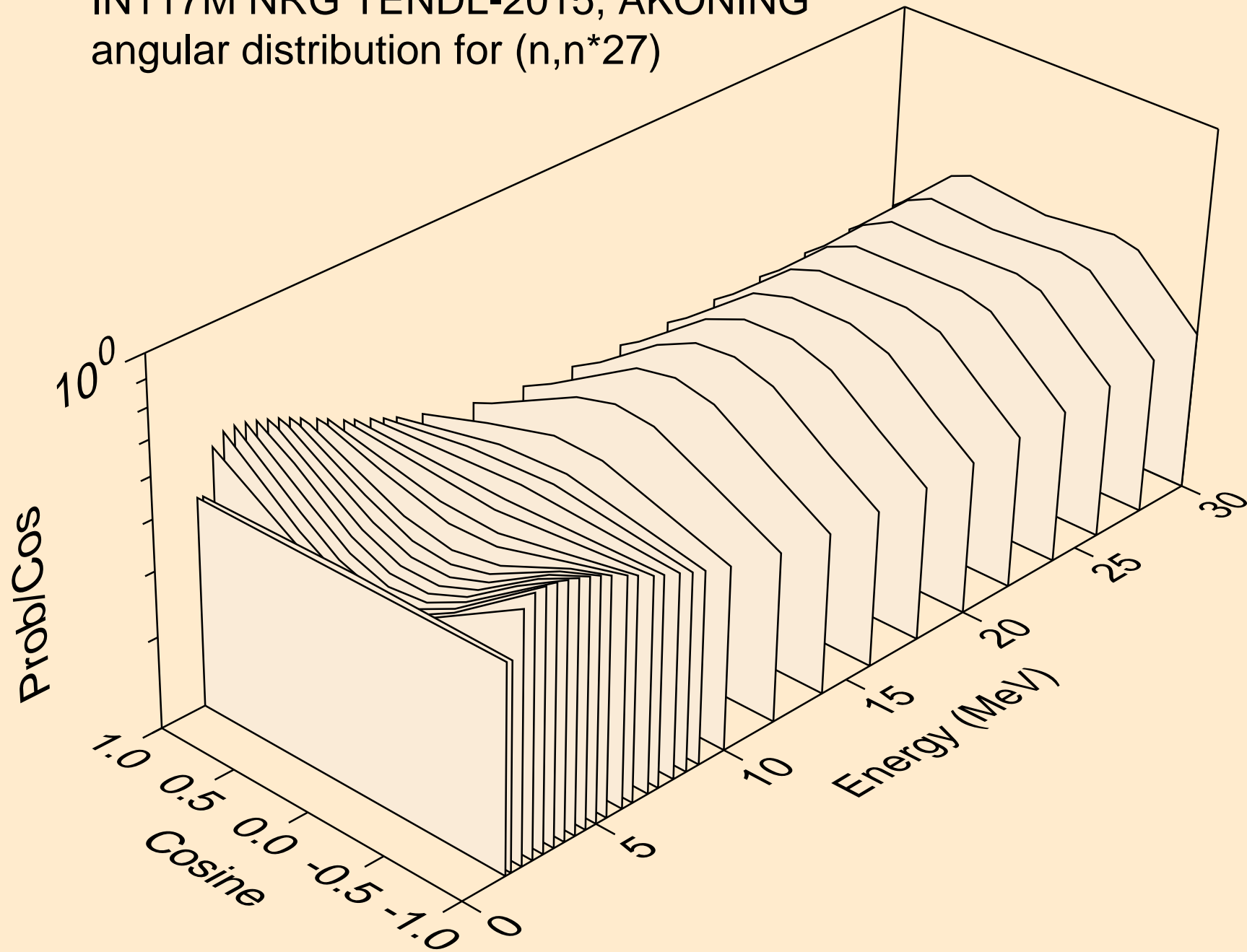
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



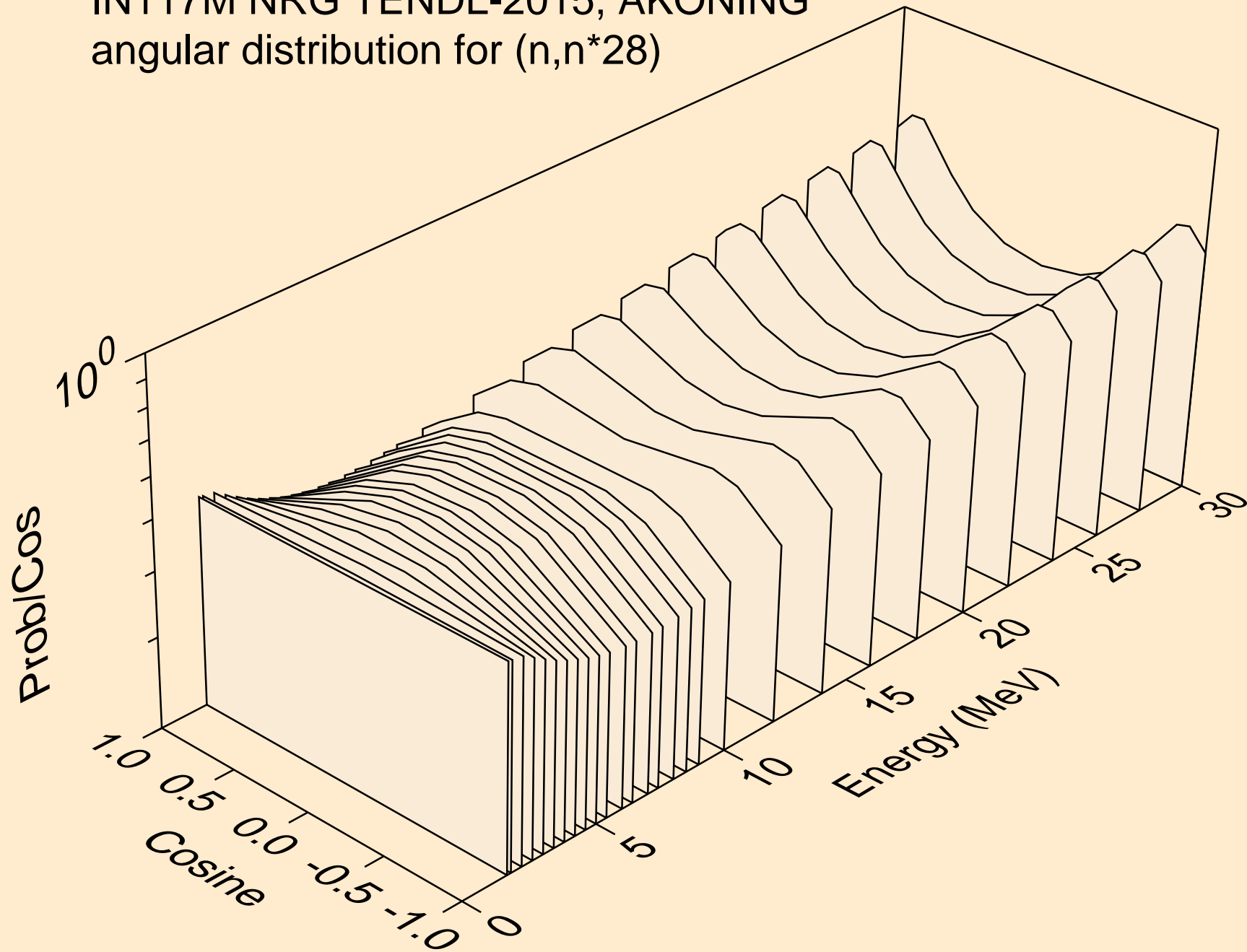
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



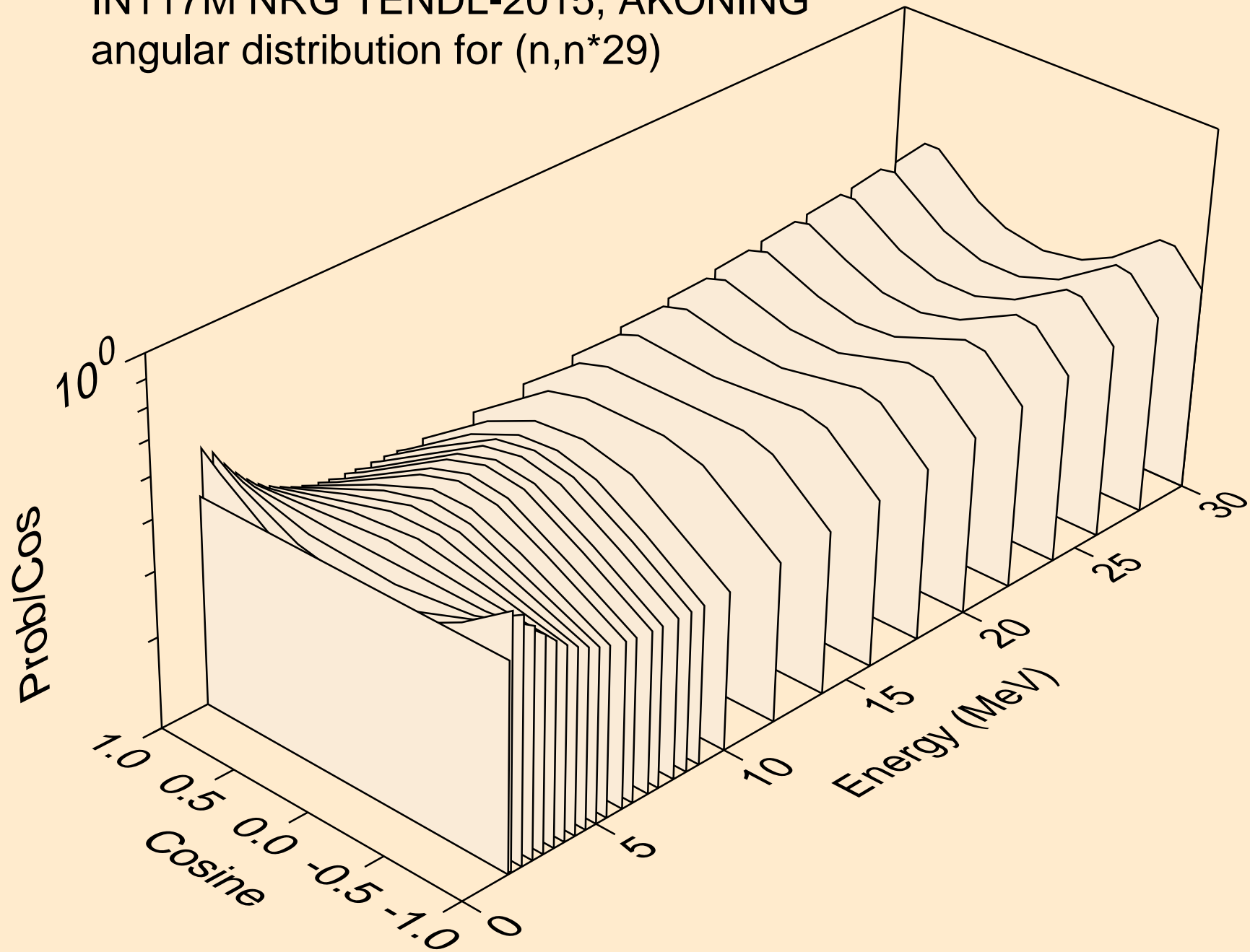
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angular distribution for (n,n\*27)



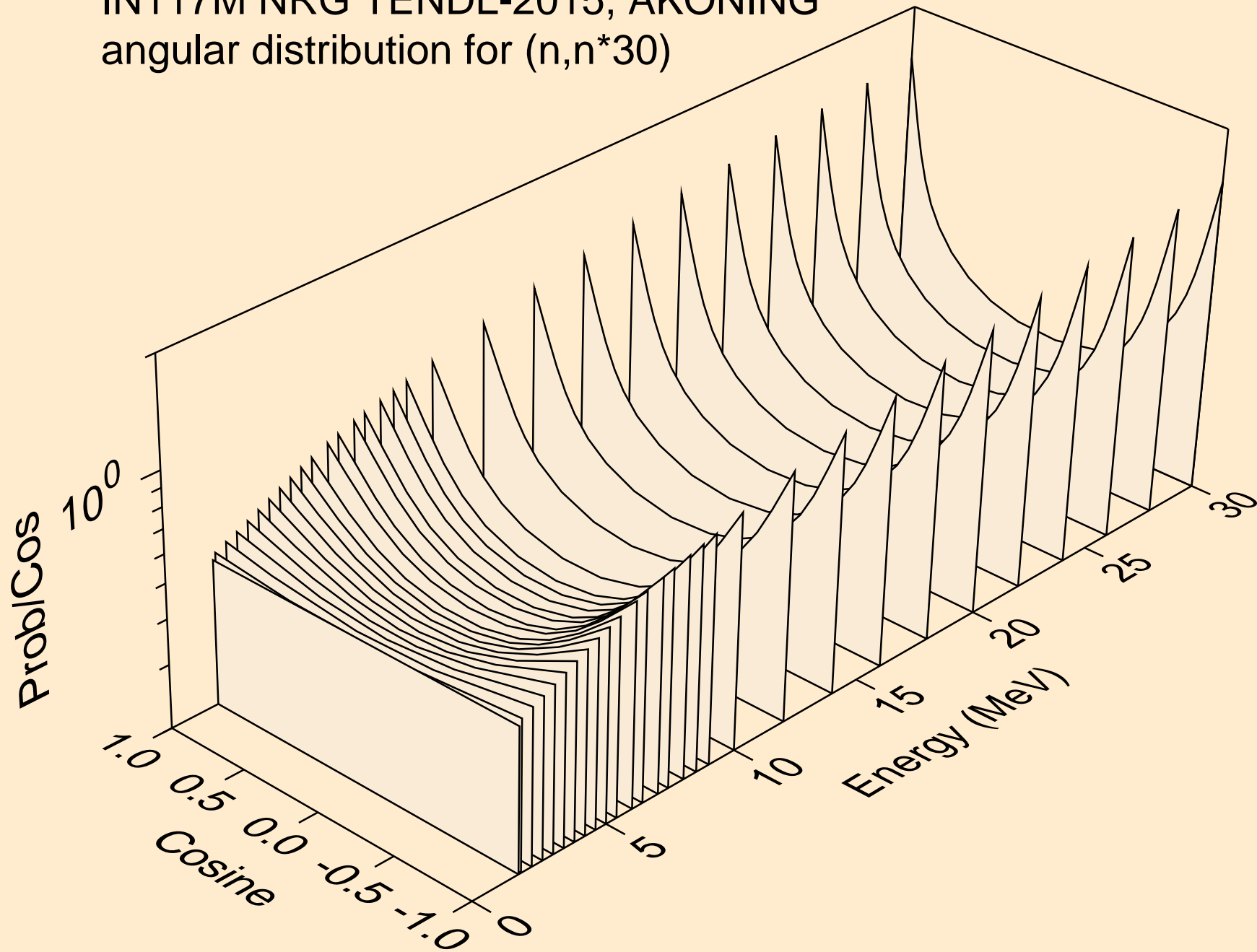
IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

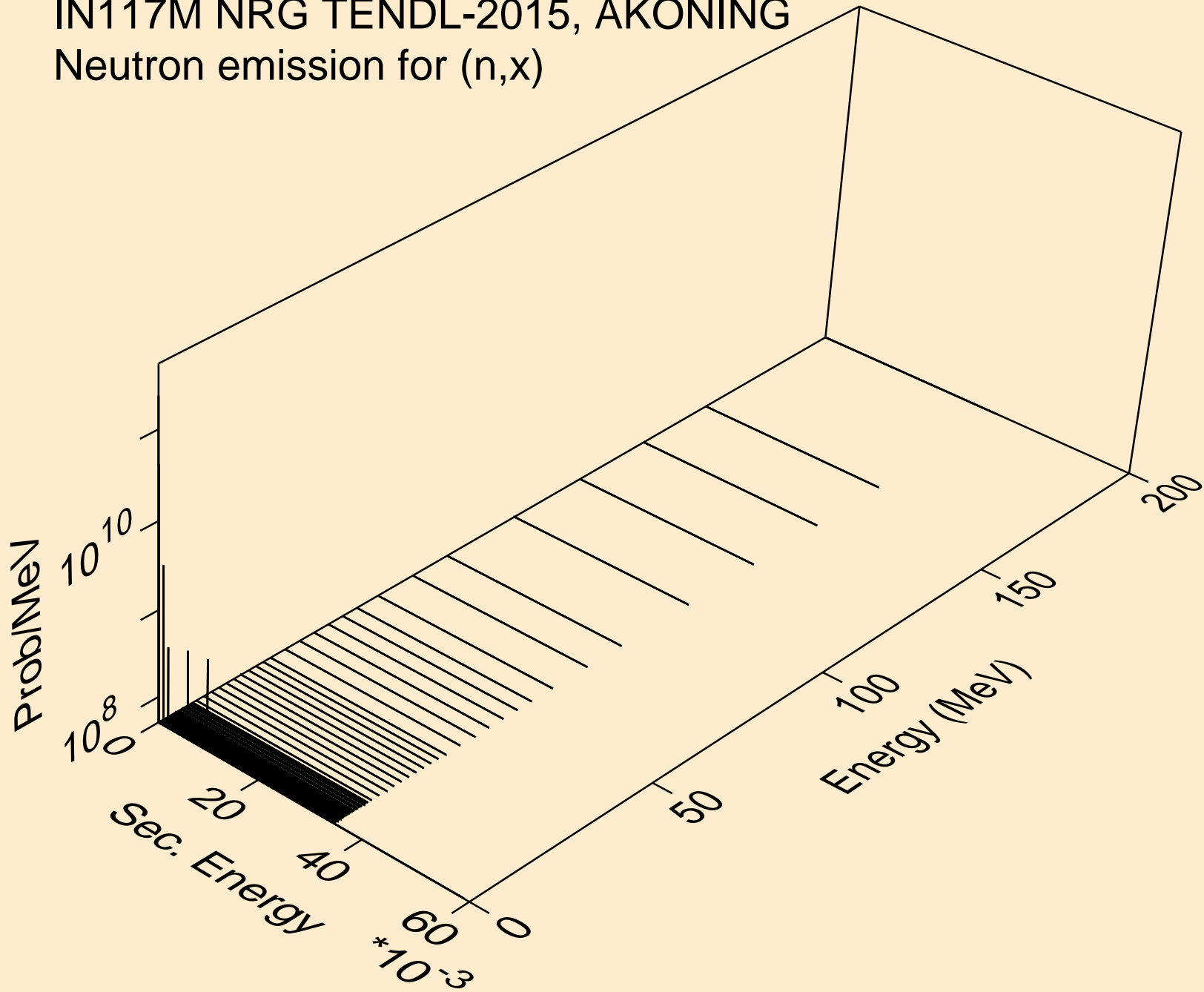


IN117M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

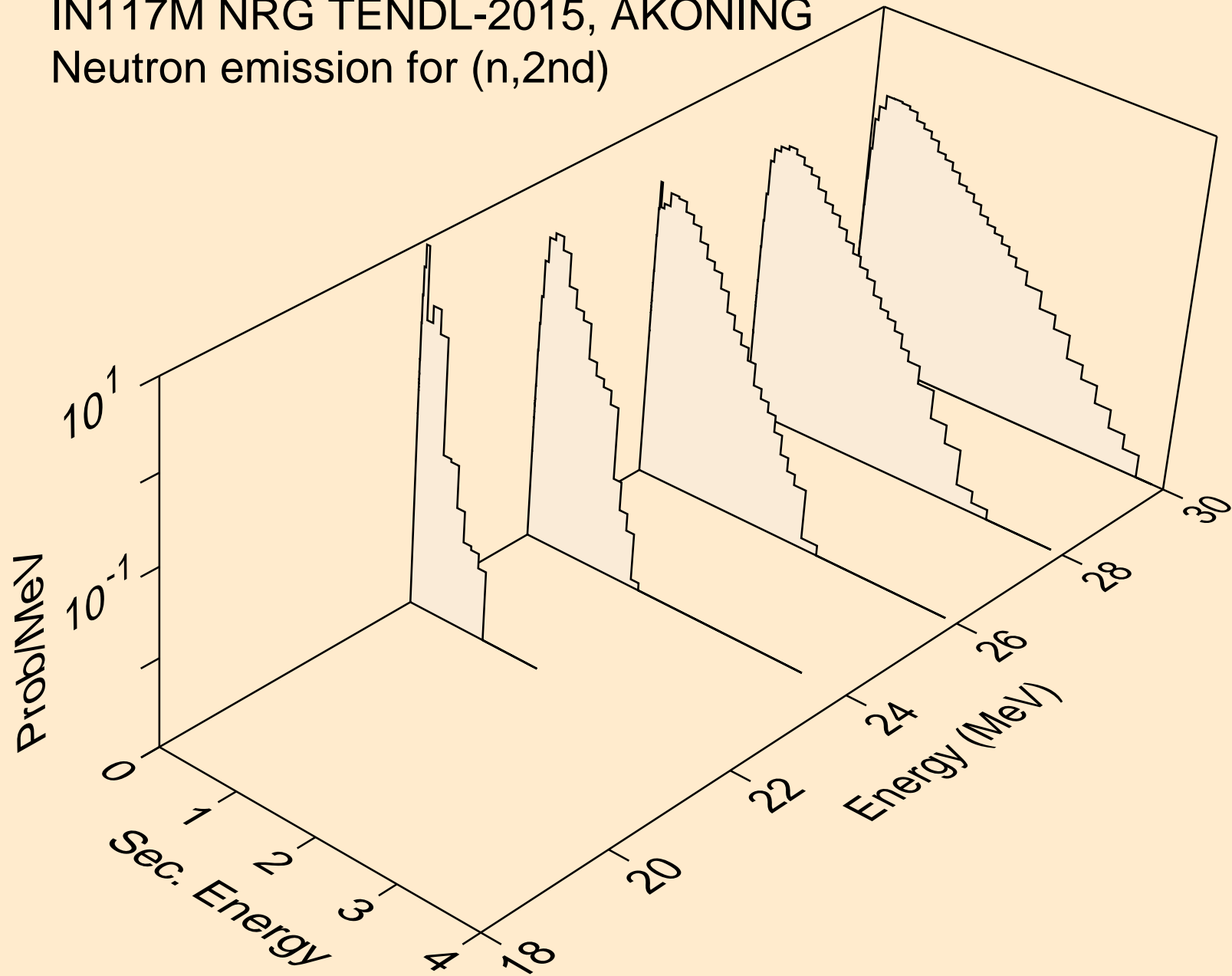




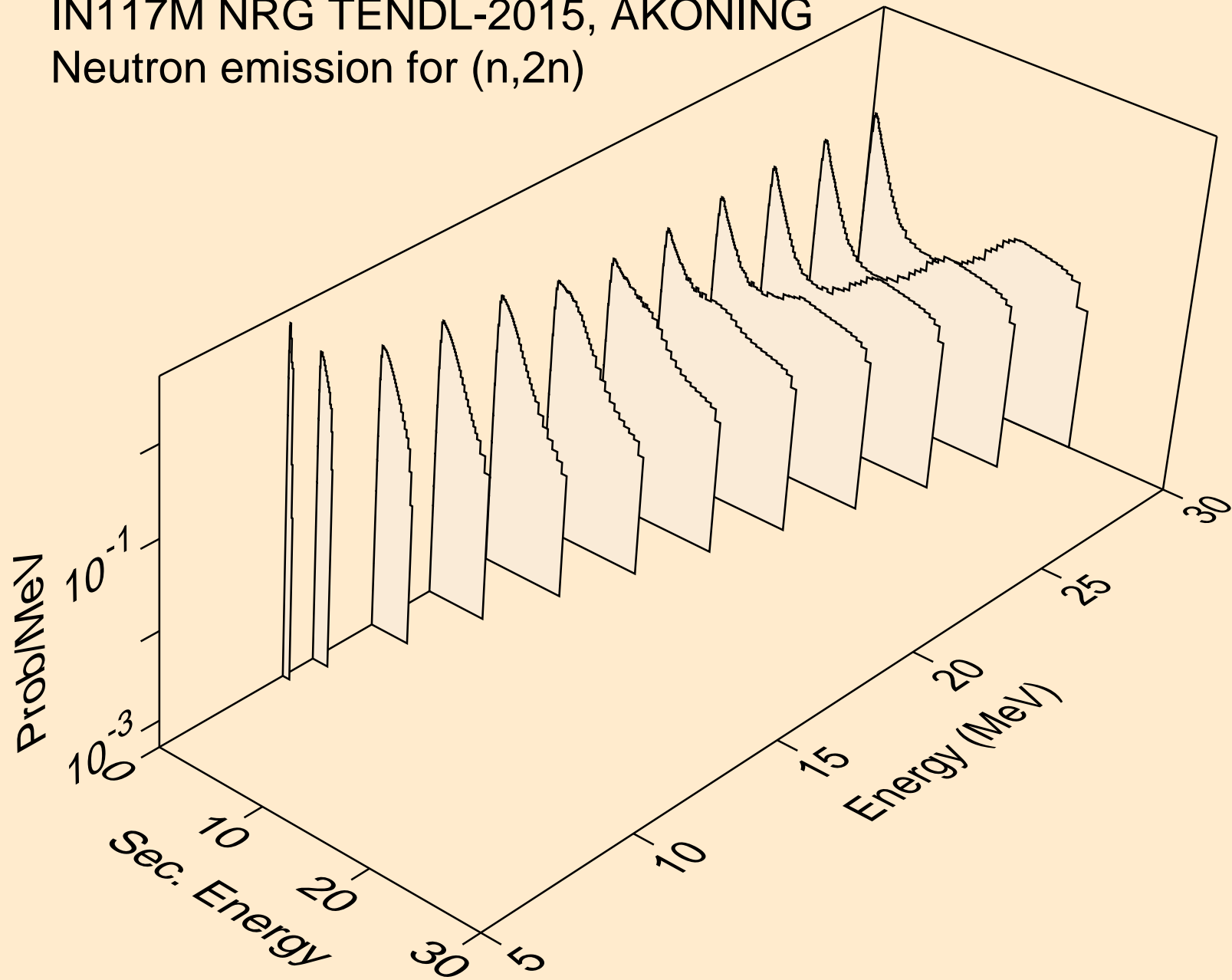
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



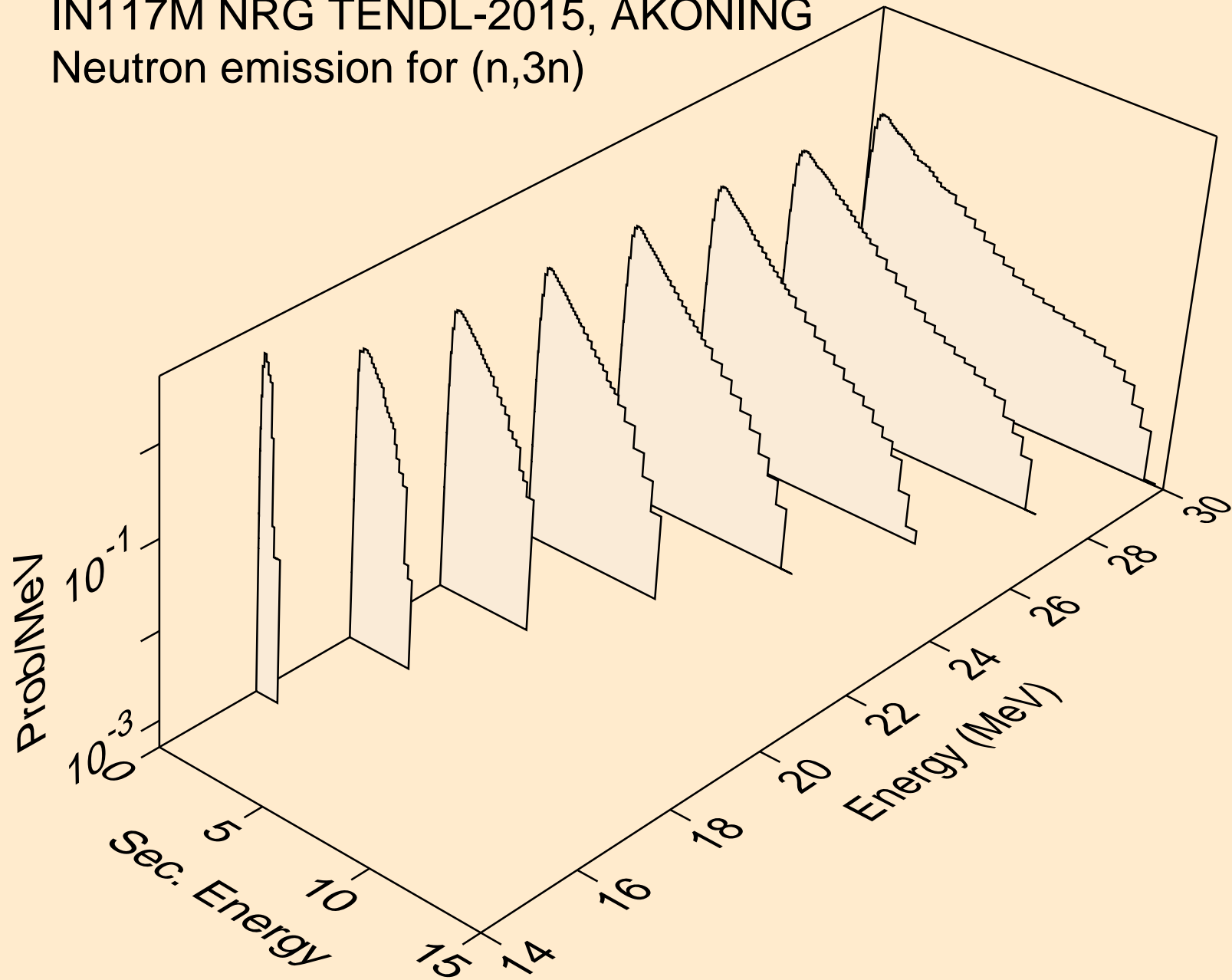
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



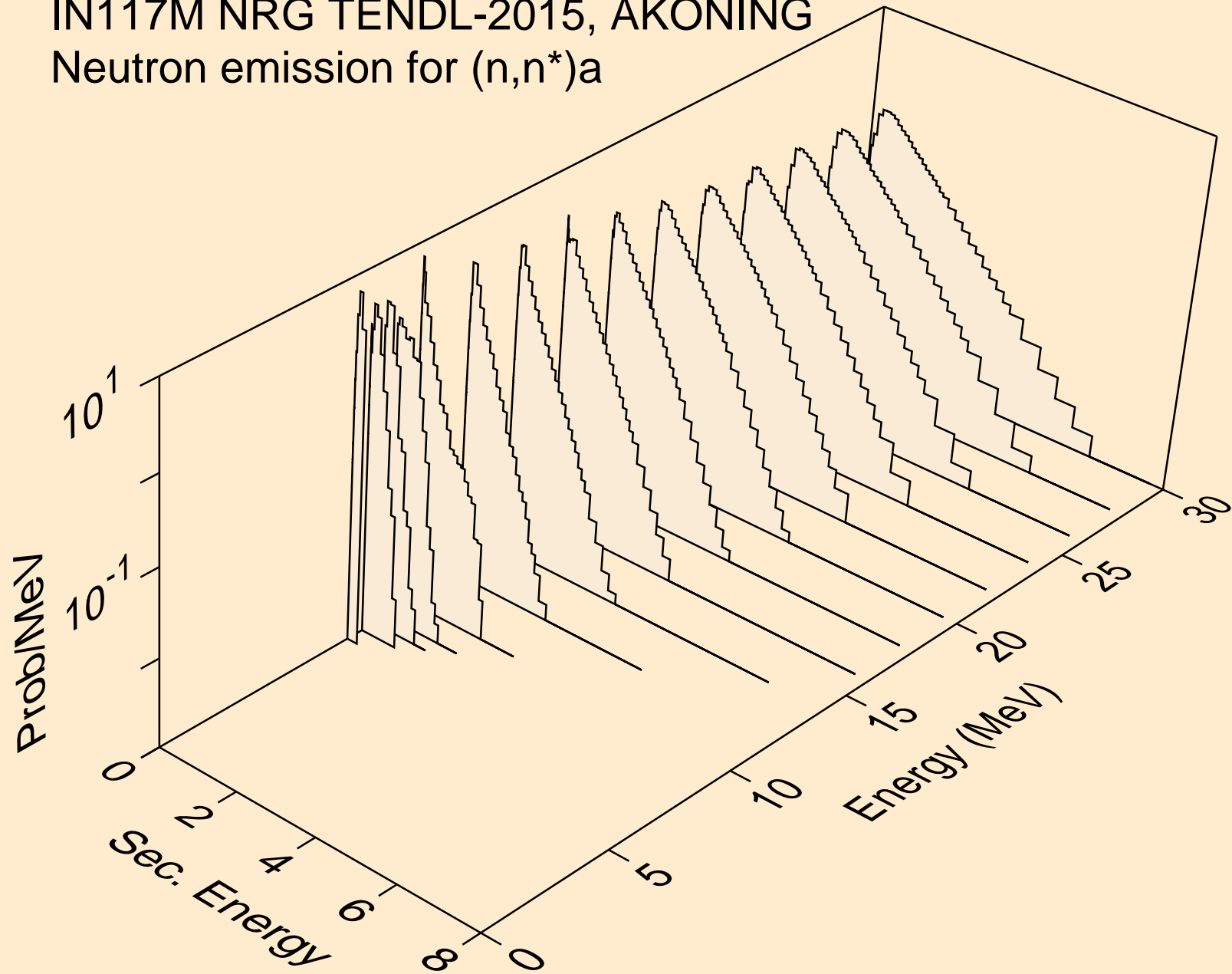
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



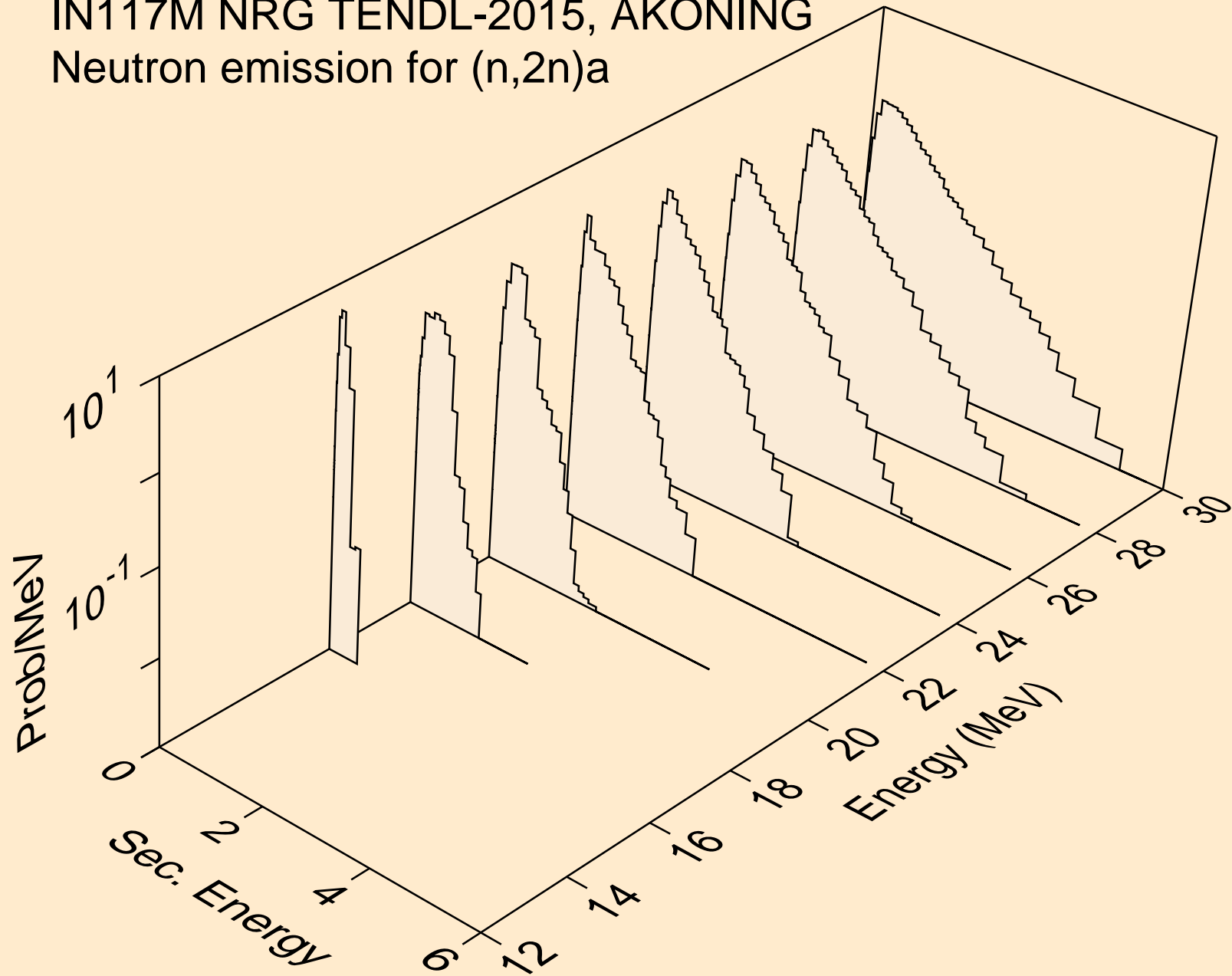
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



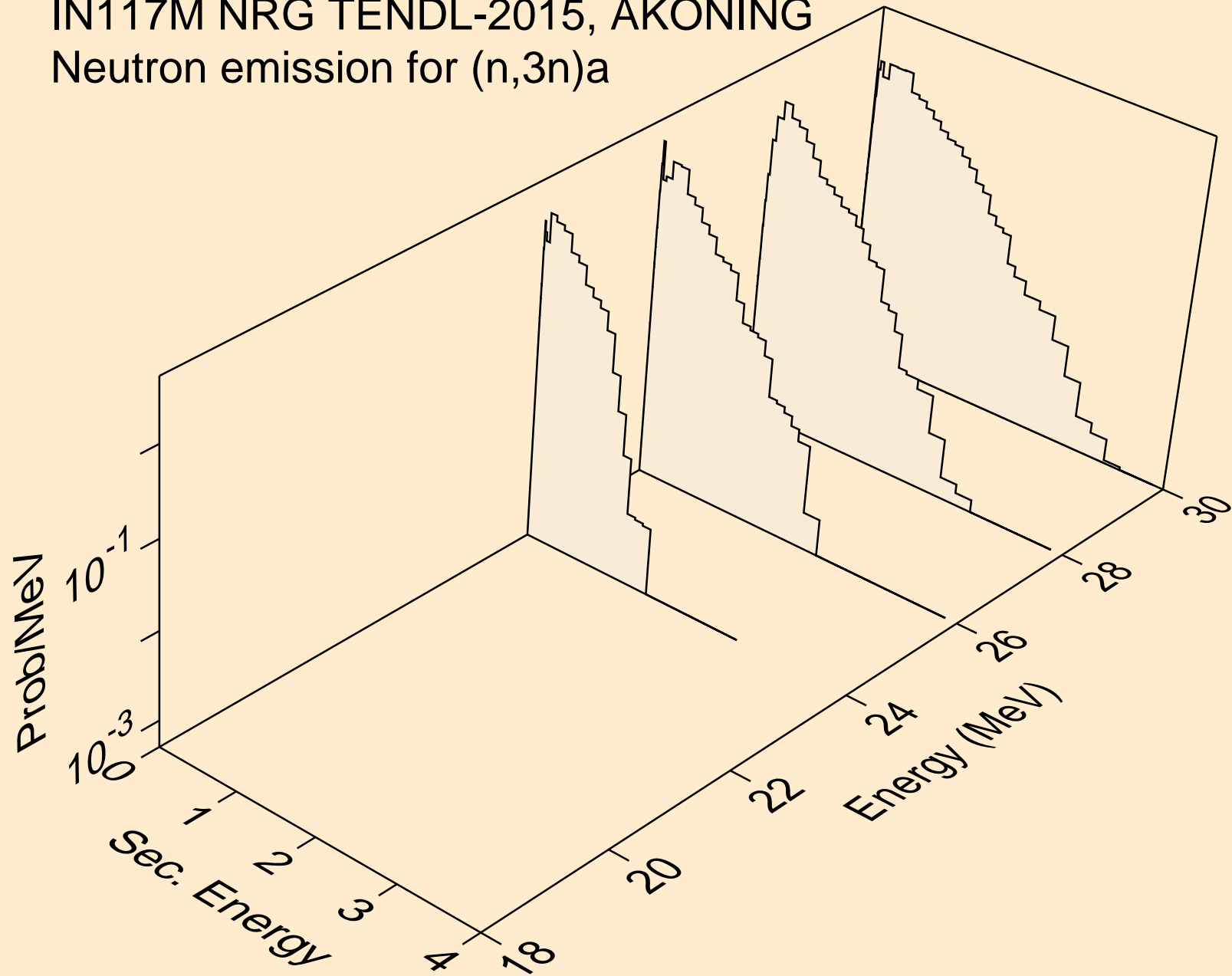
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



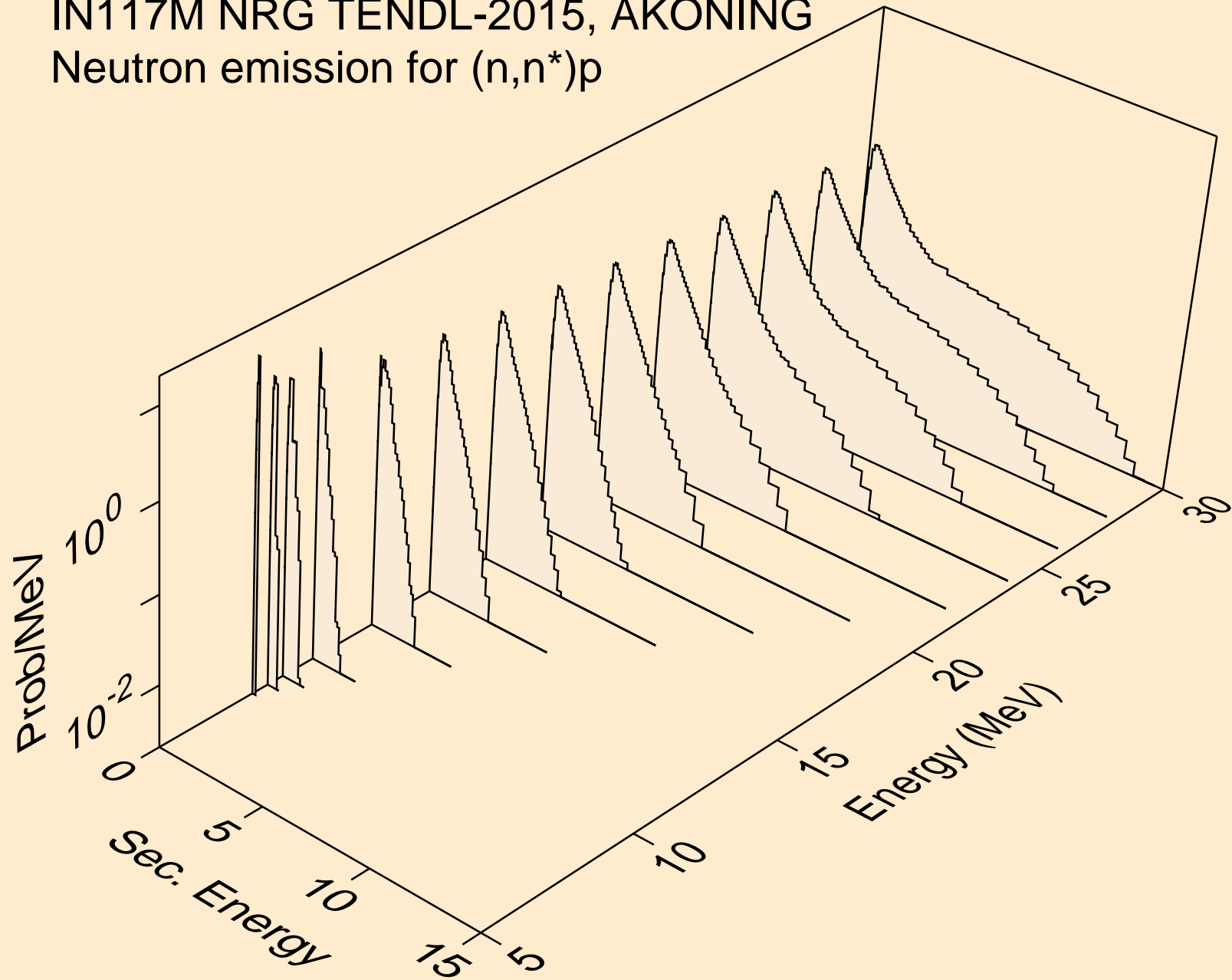
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

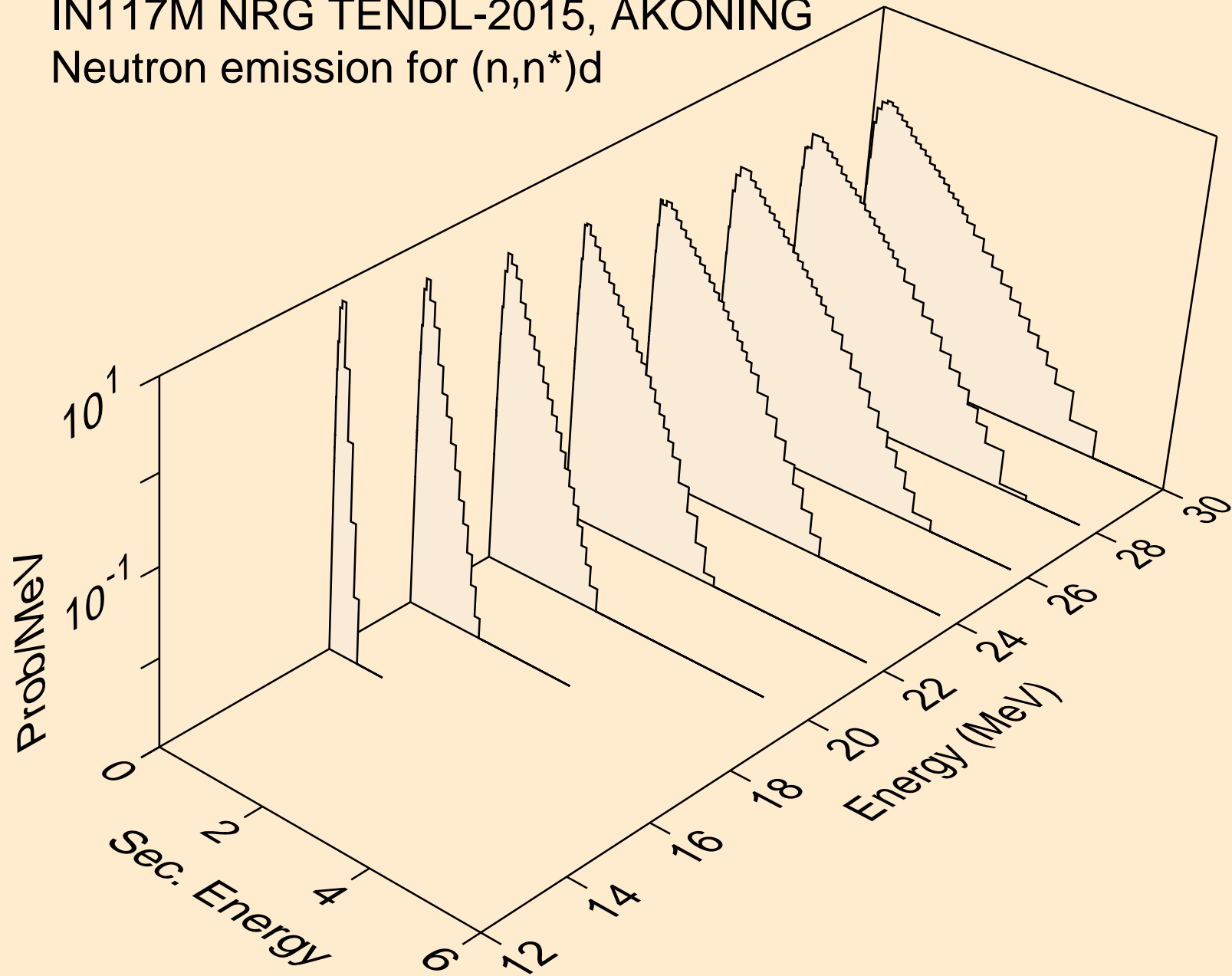


IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

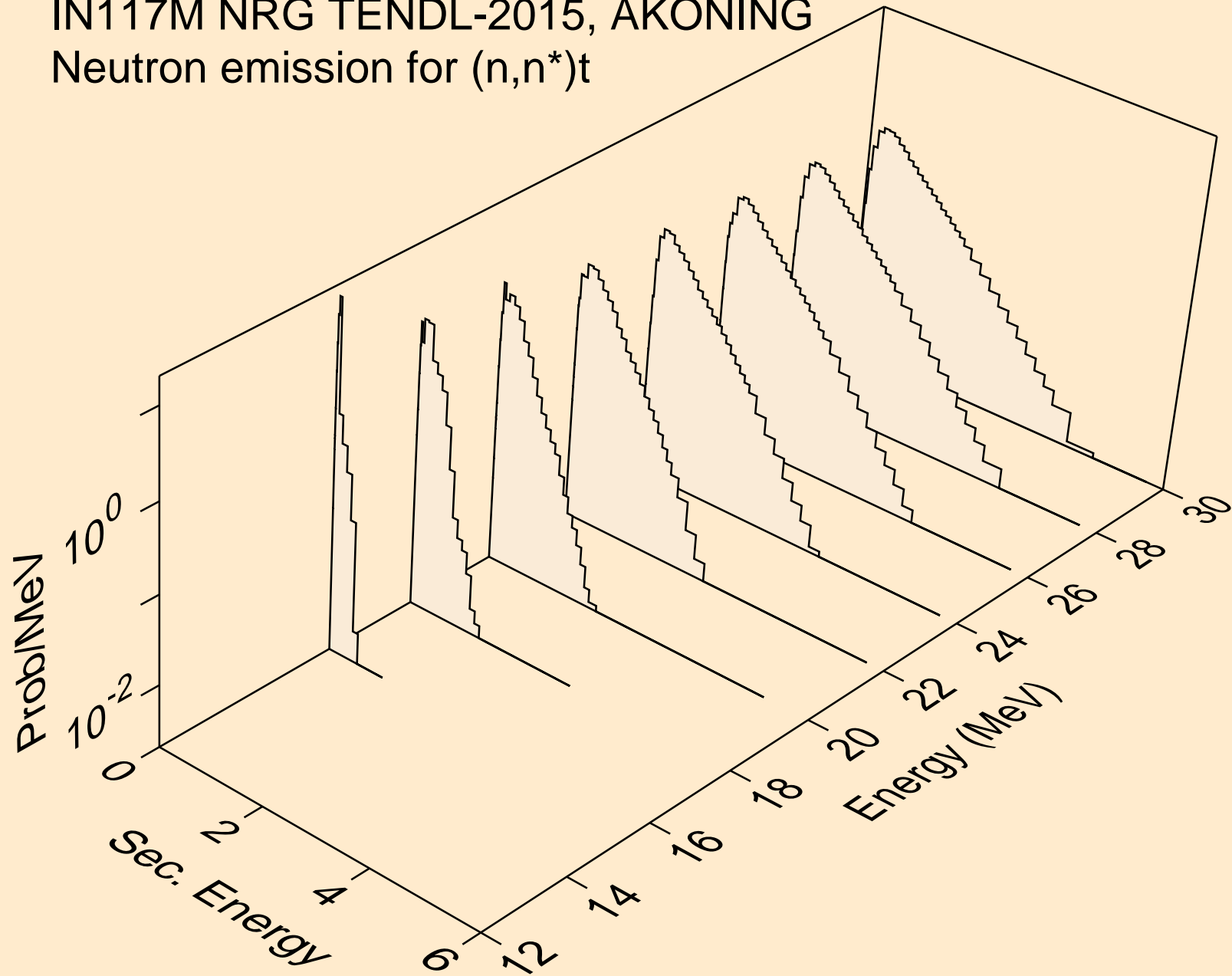




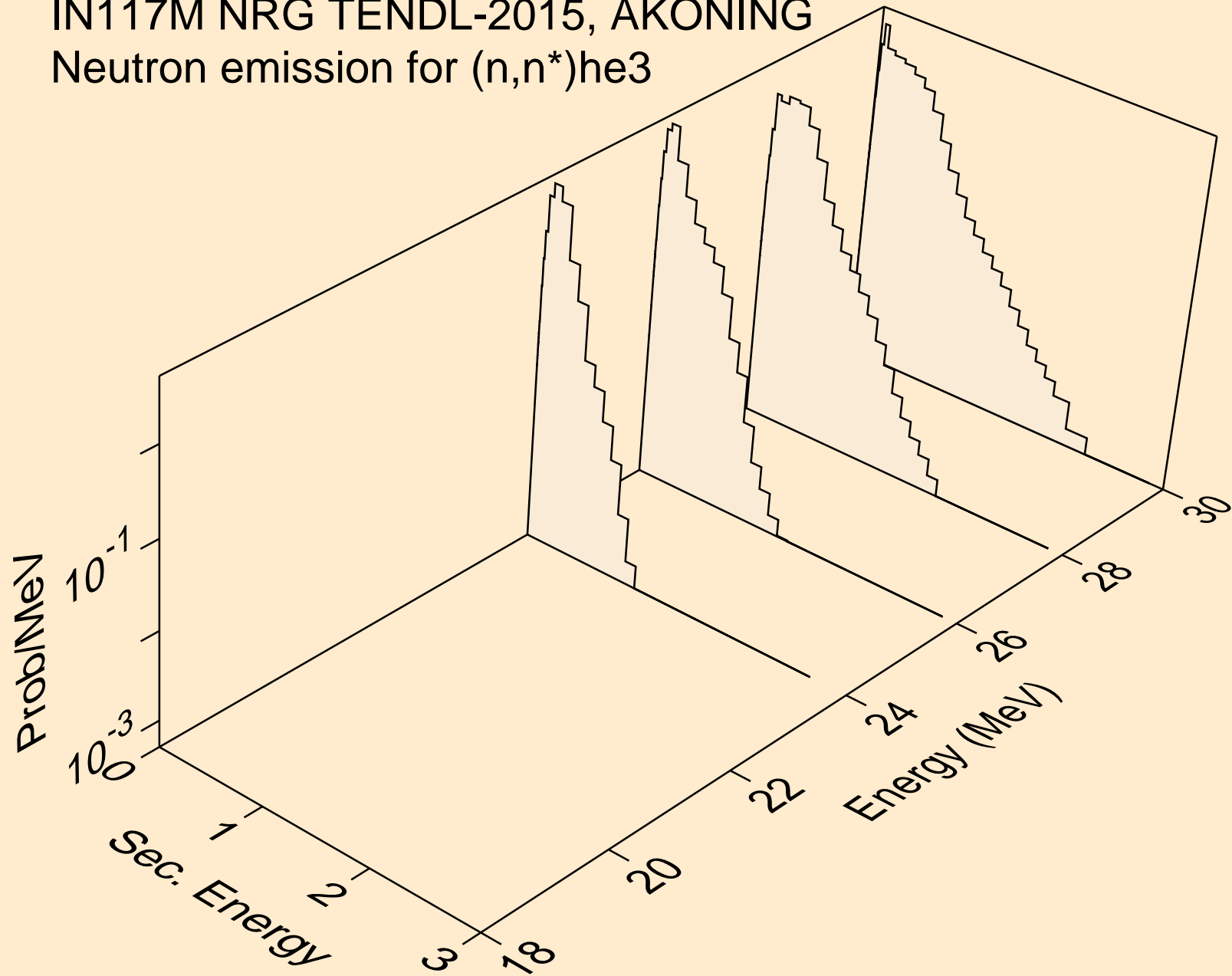
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



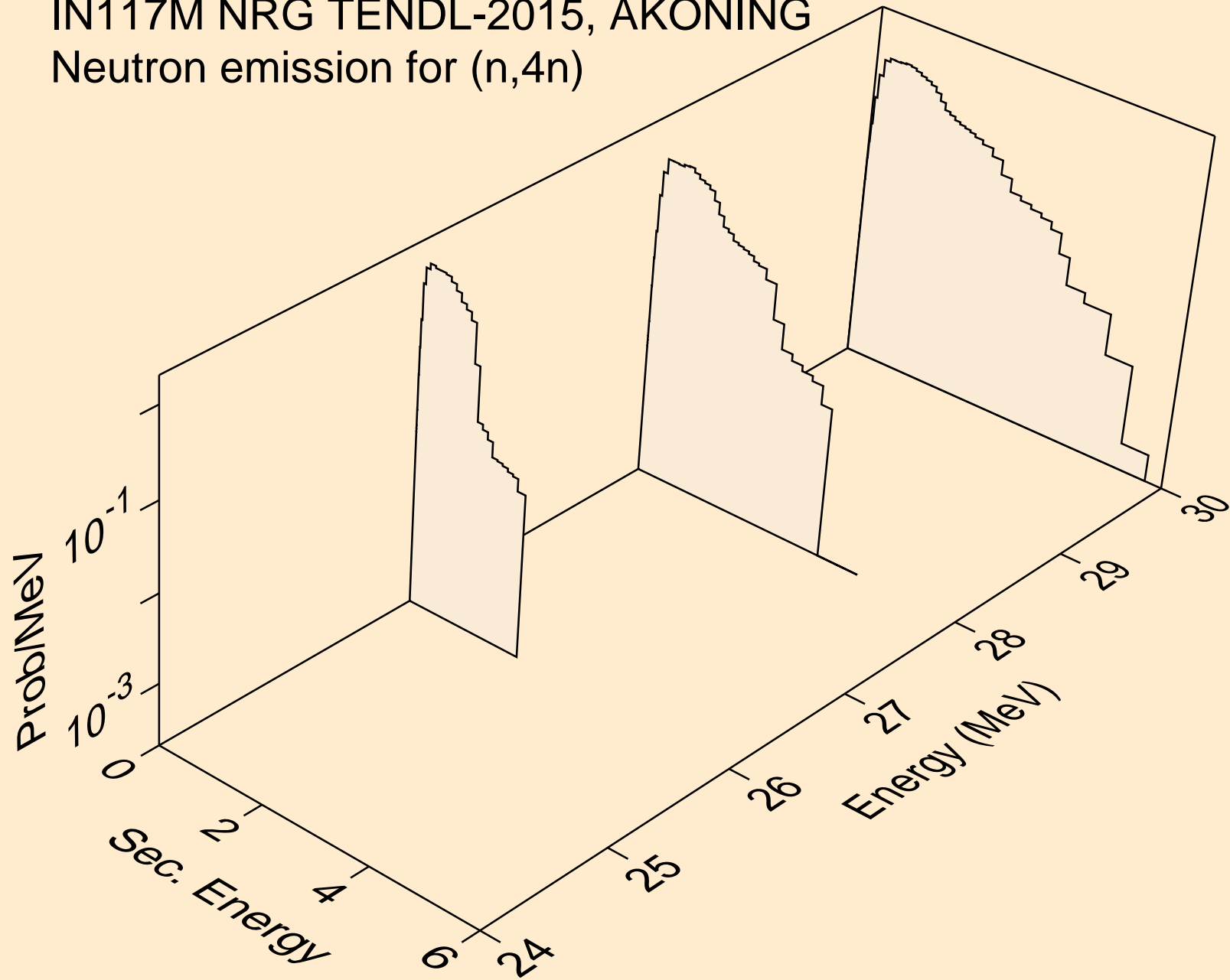
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



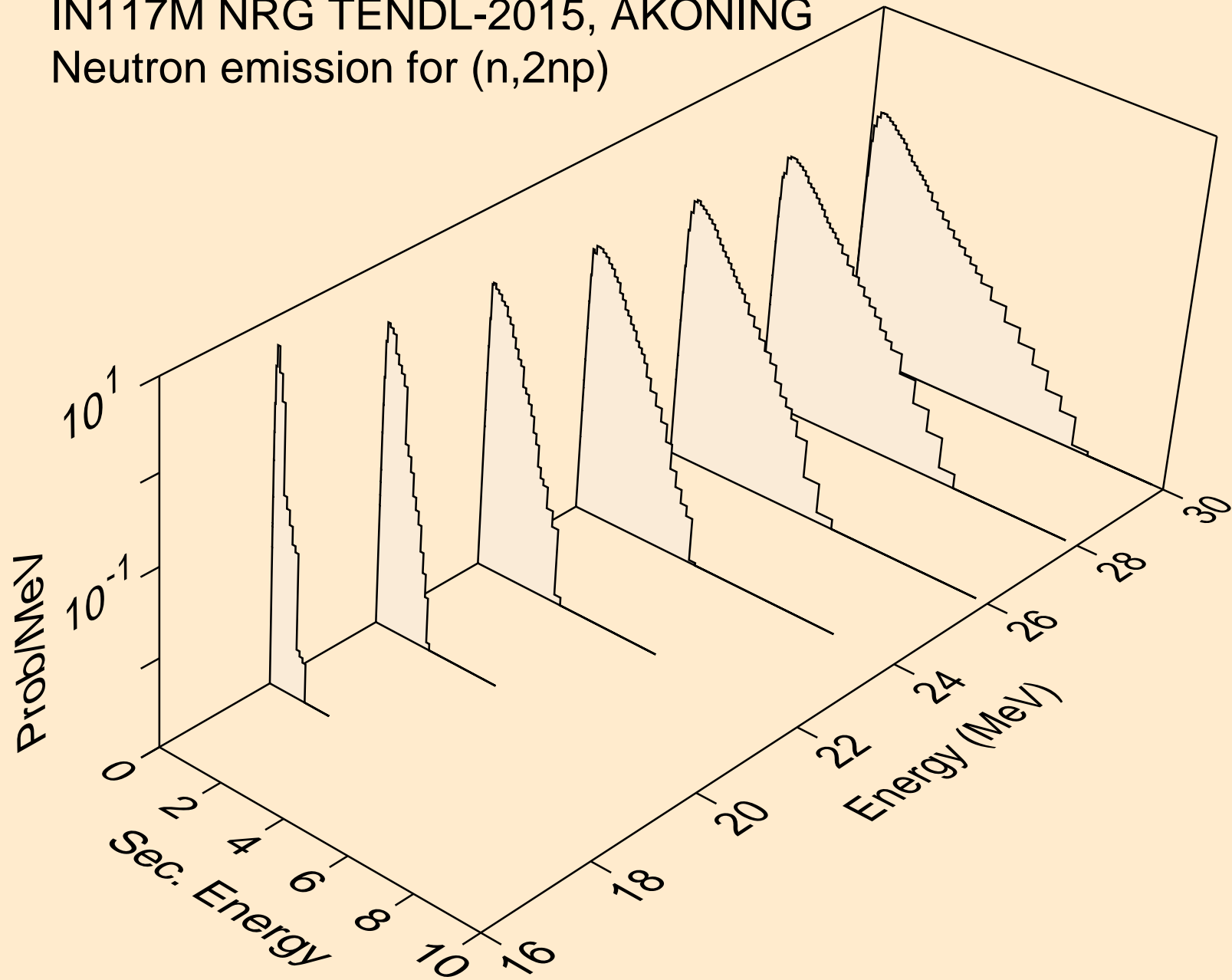
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



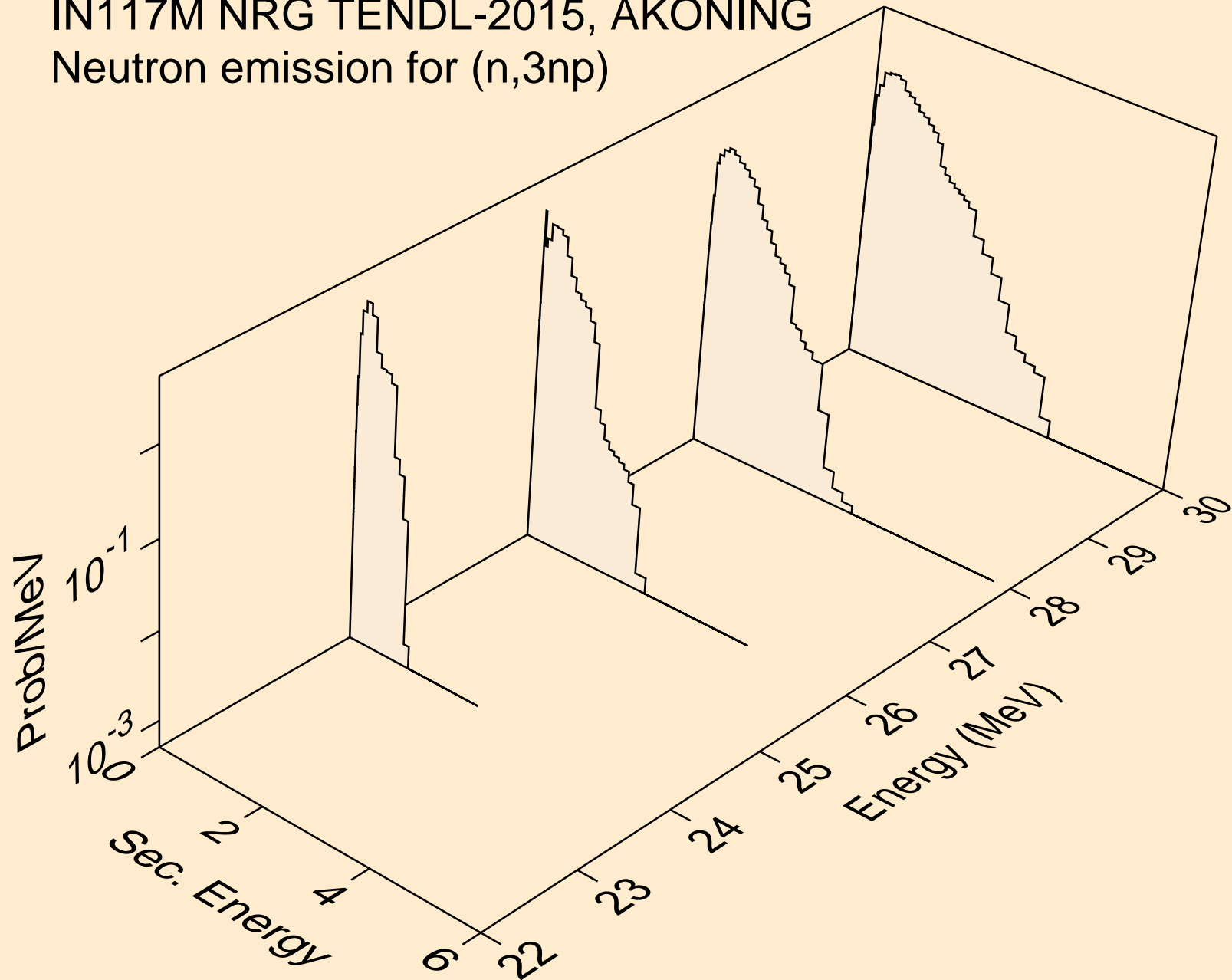
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



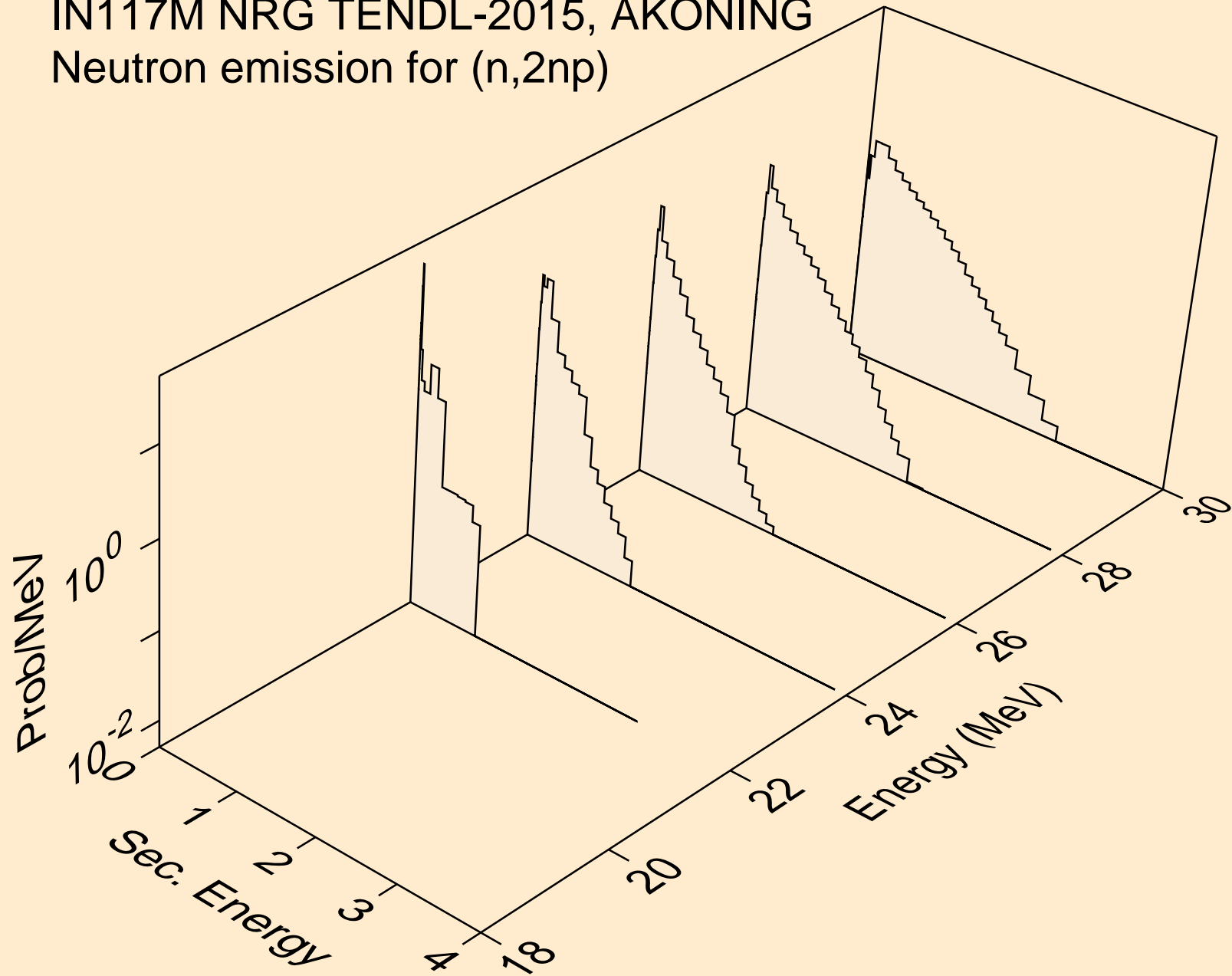
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



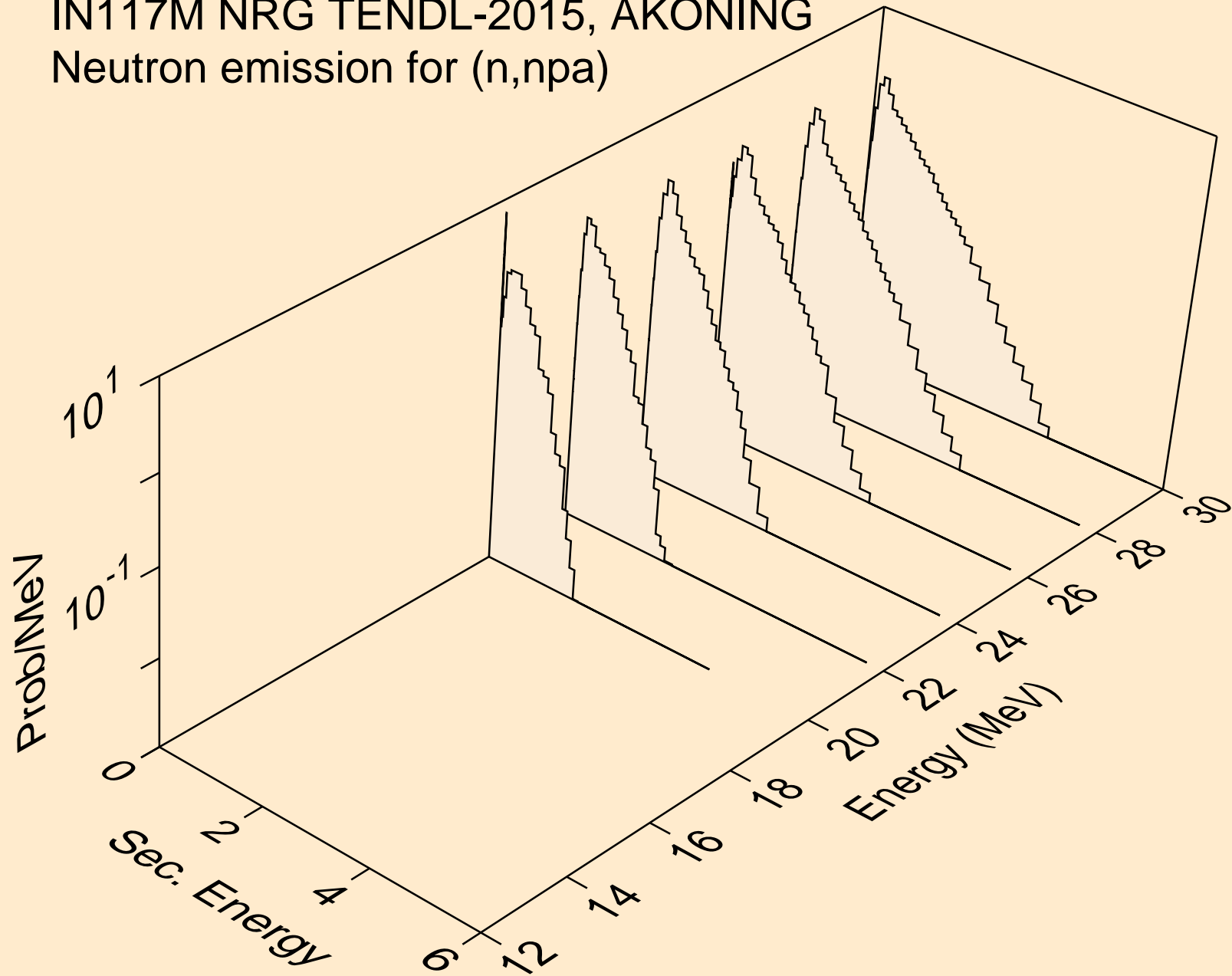
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

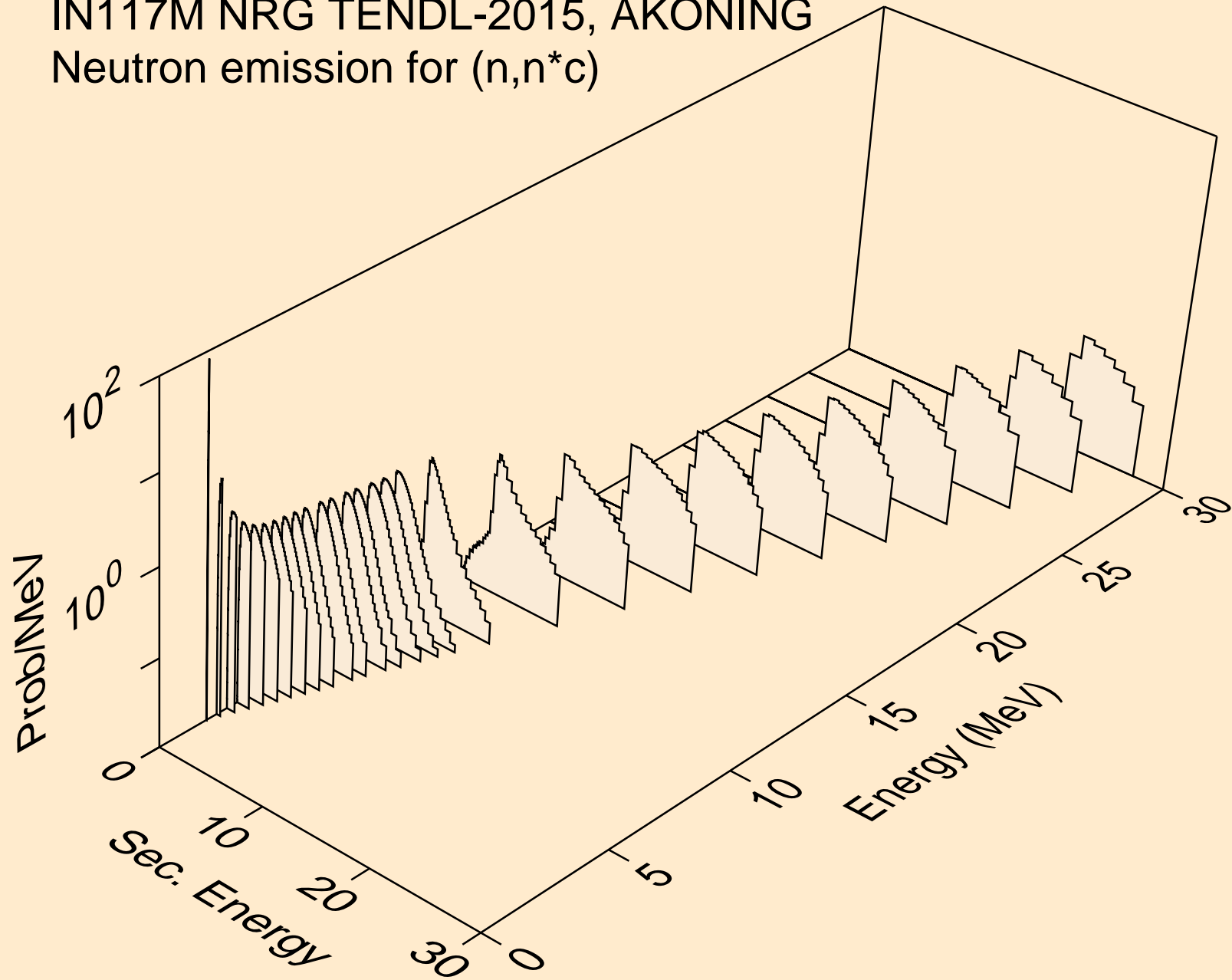


IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

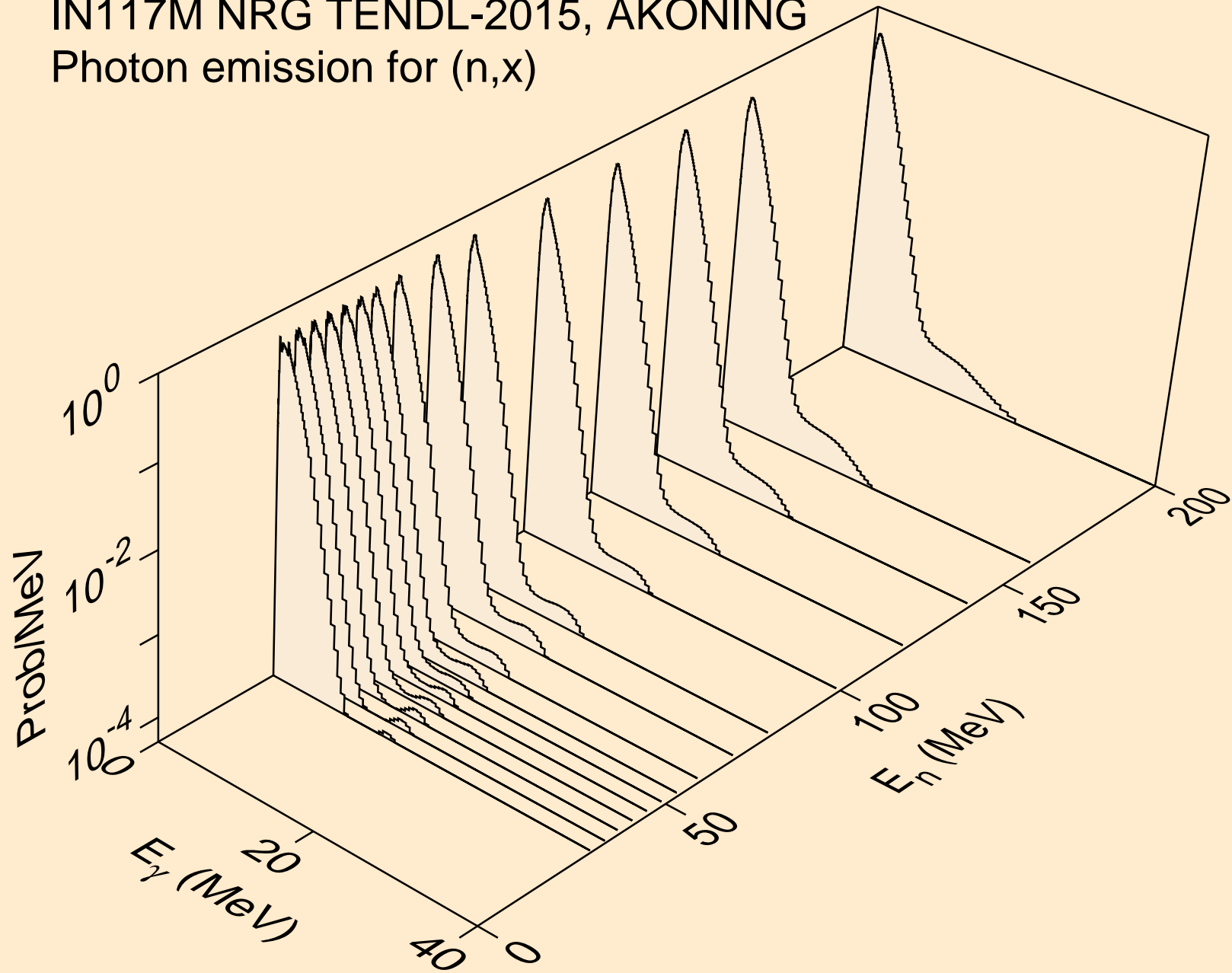




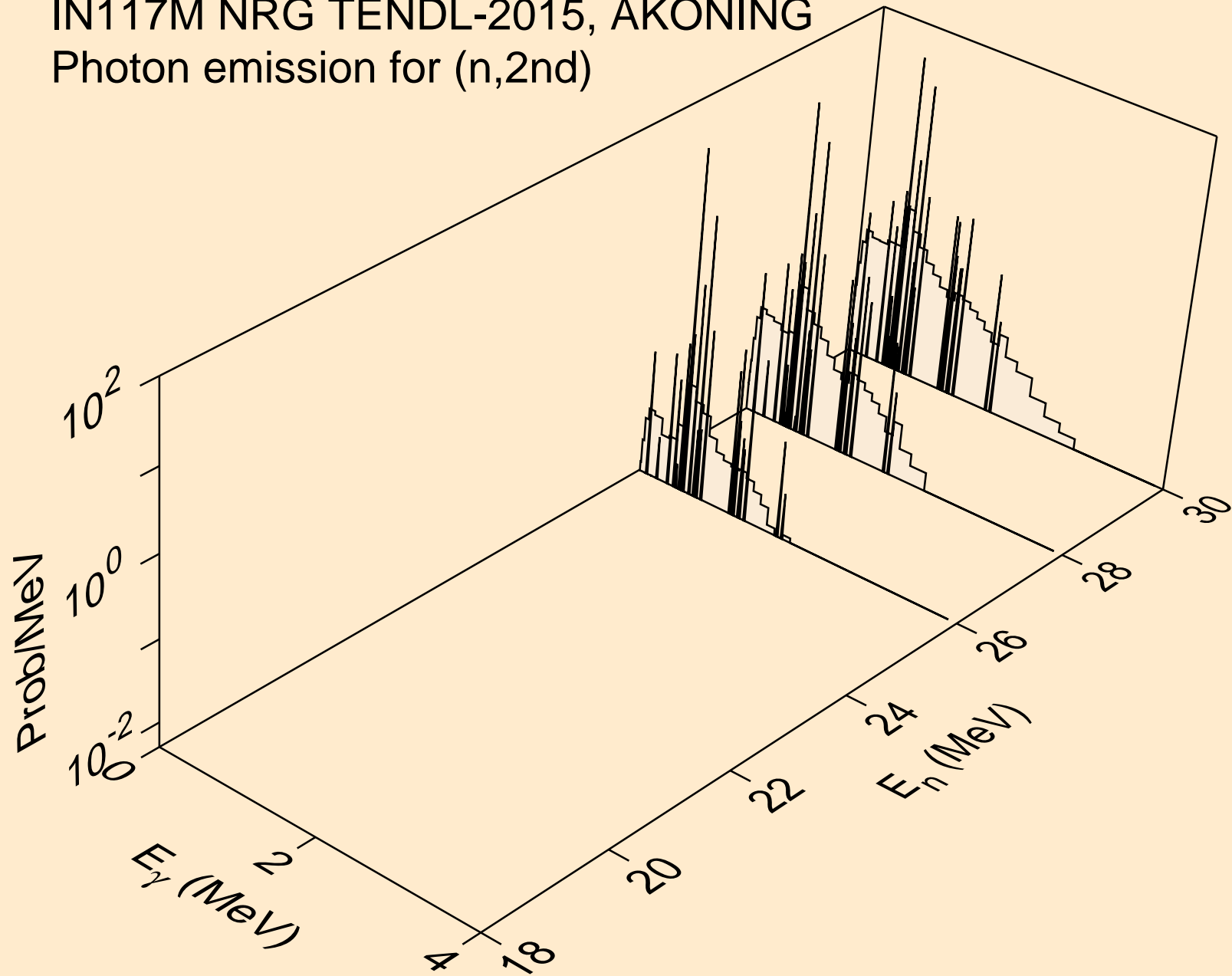
IN117M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



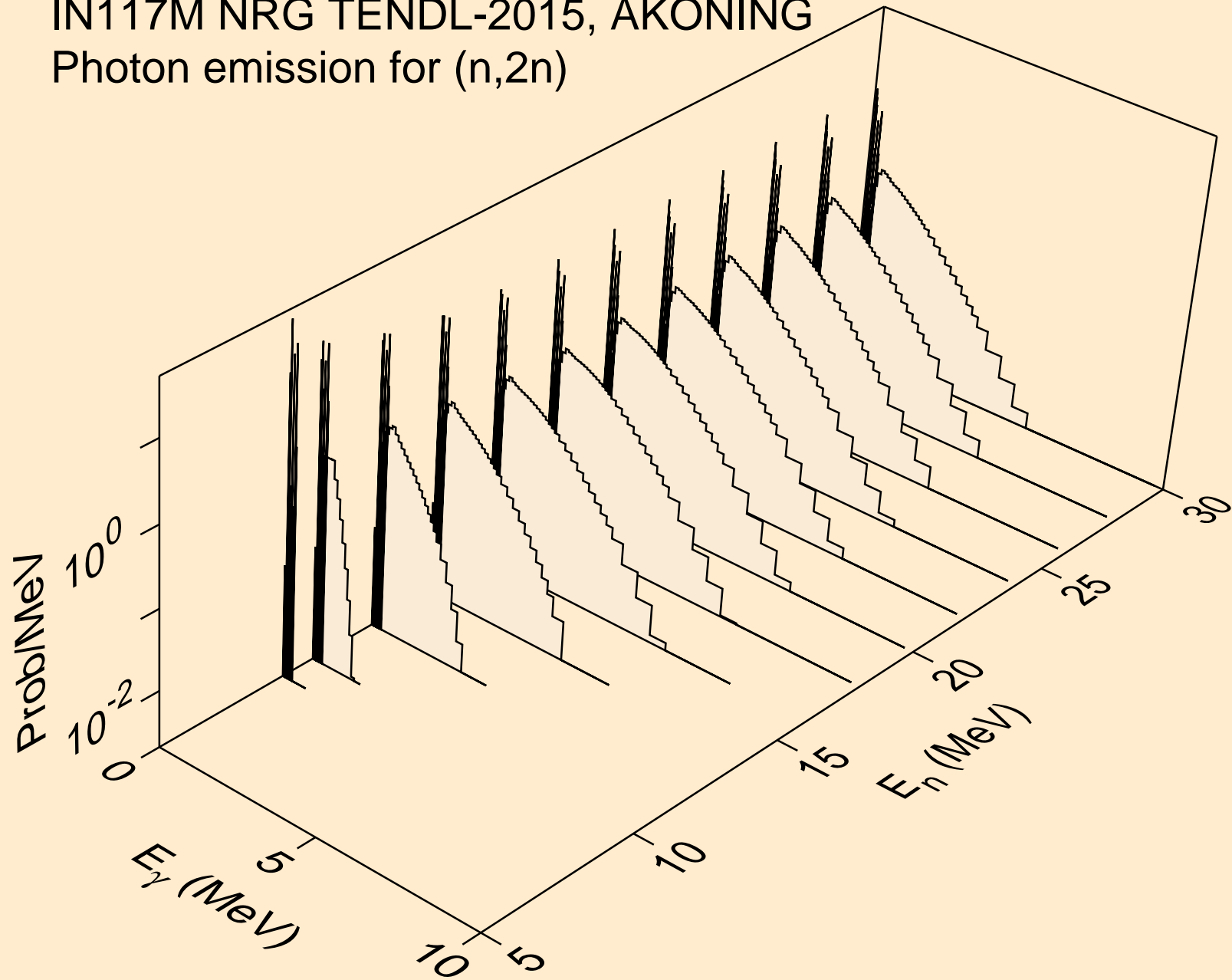
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,x)



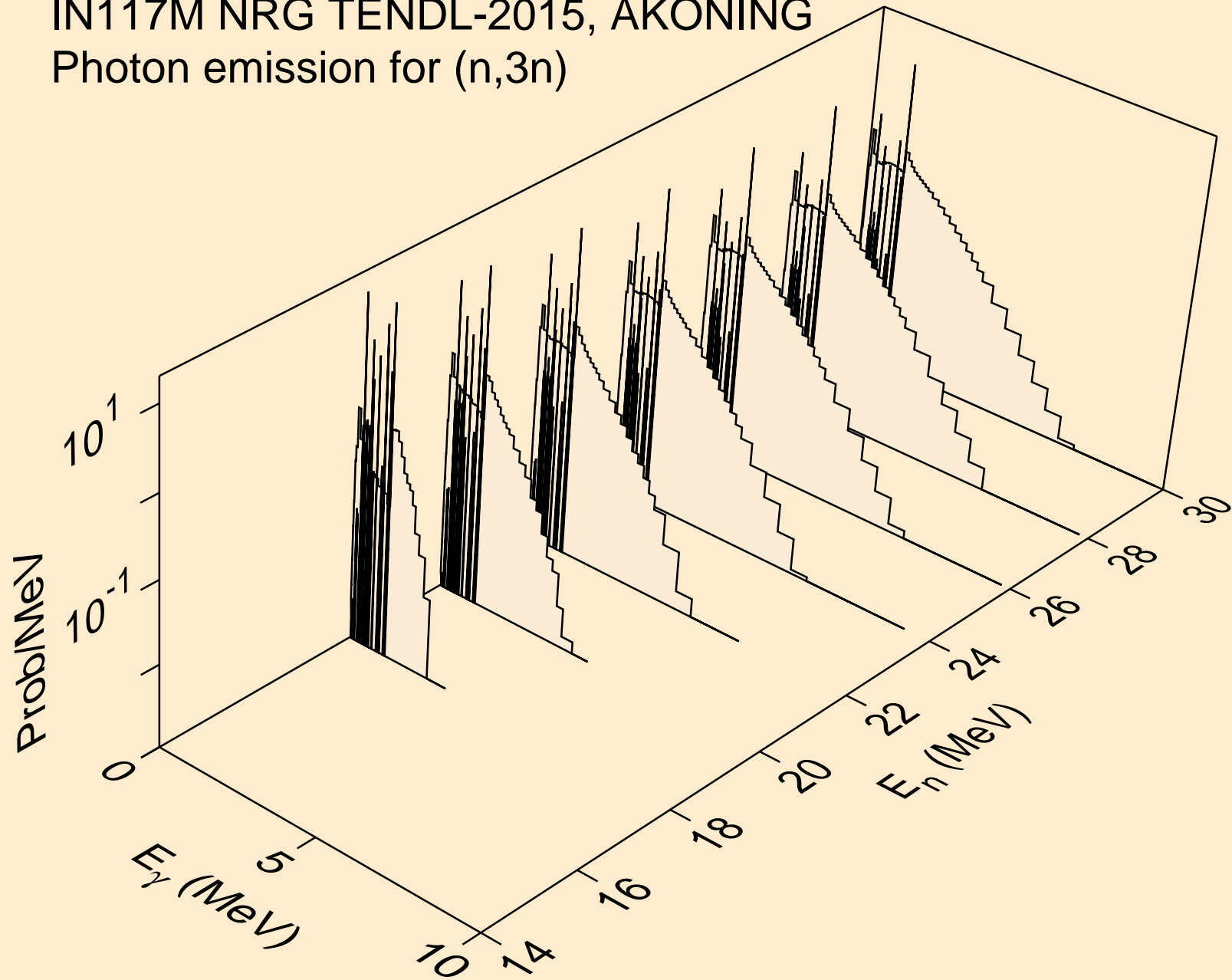
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Photon emission for (n,2nd)



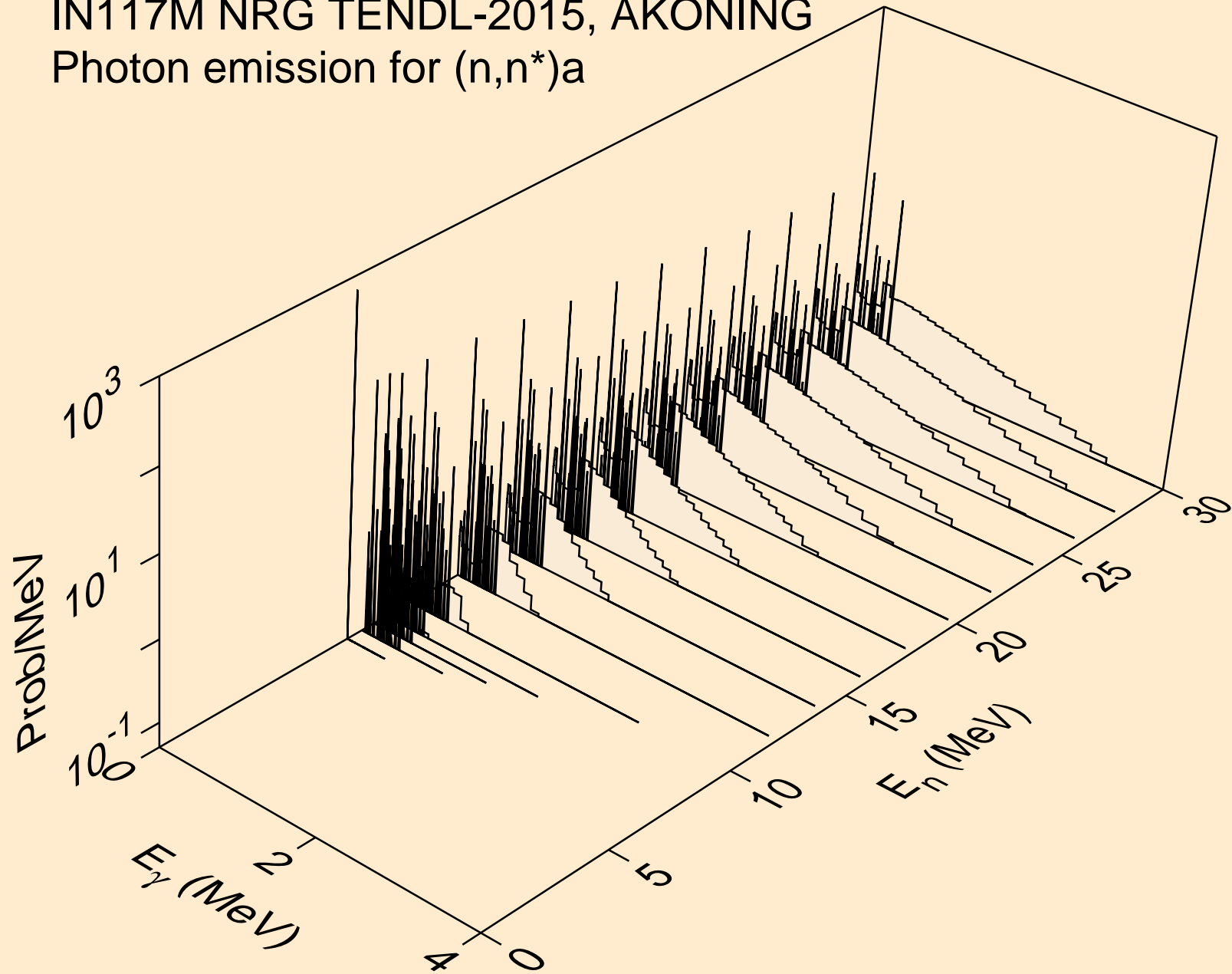
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



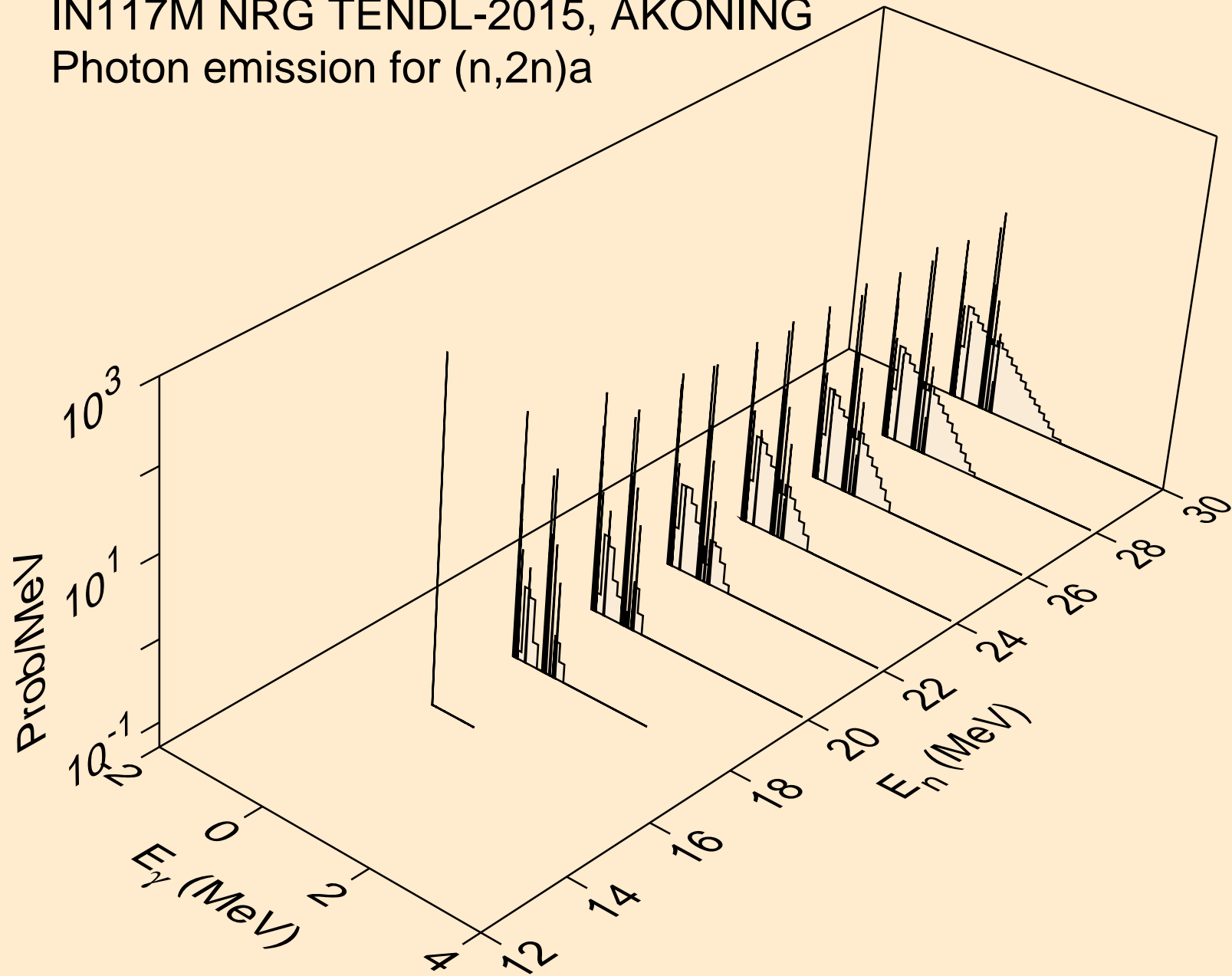
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



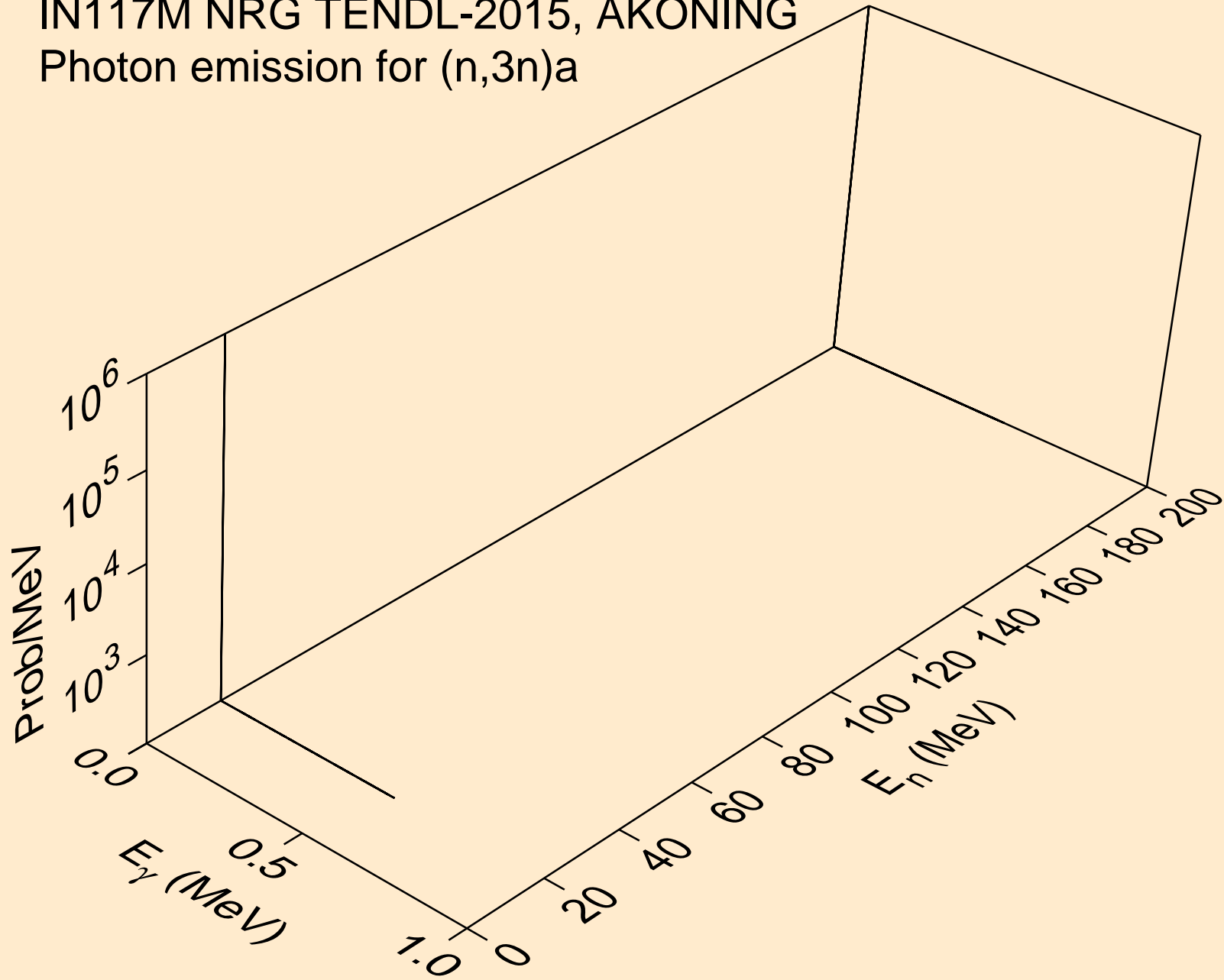
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

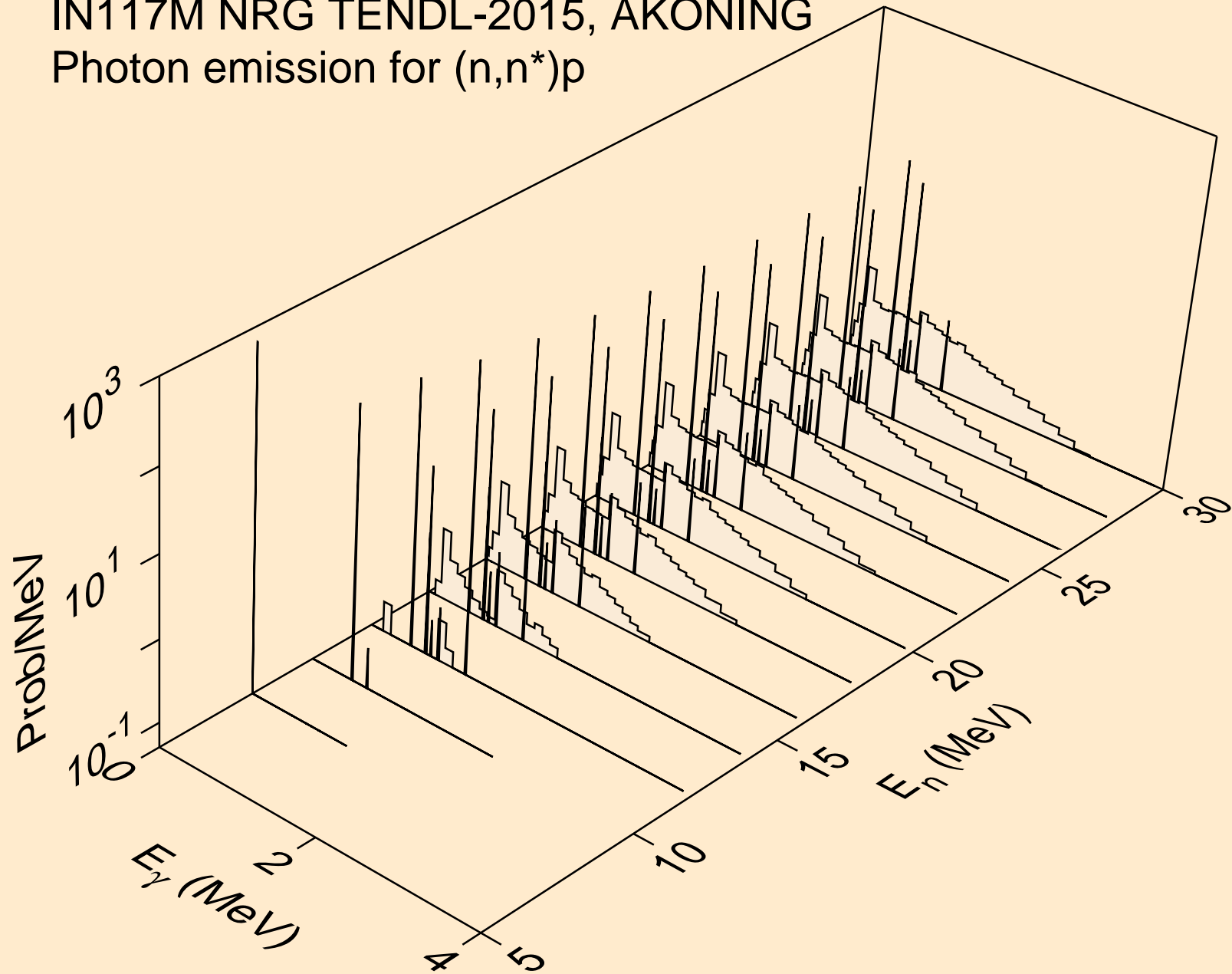


IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

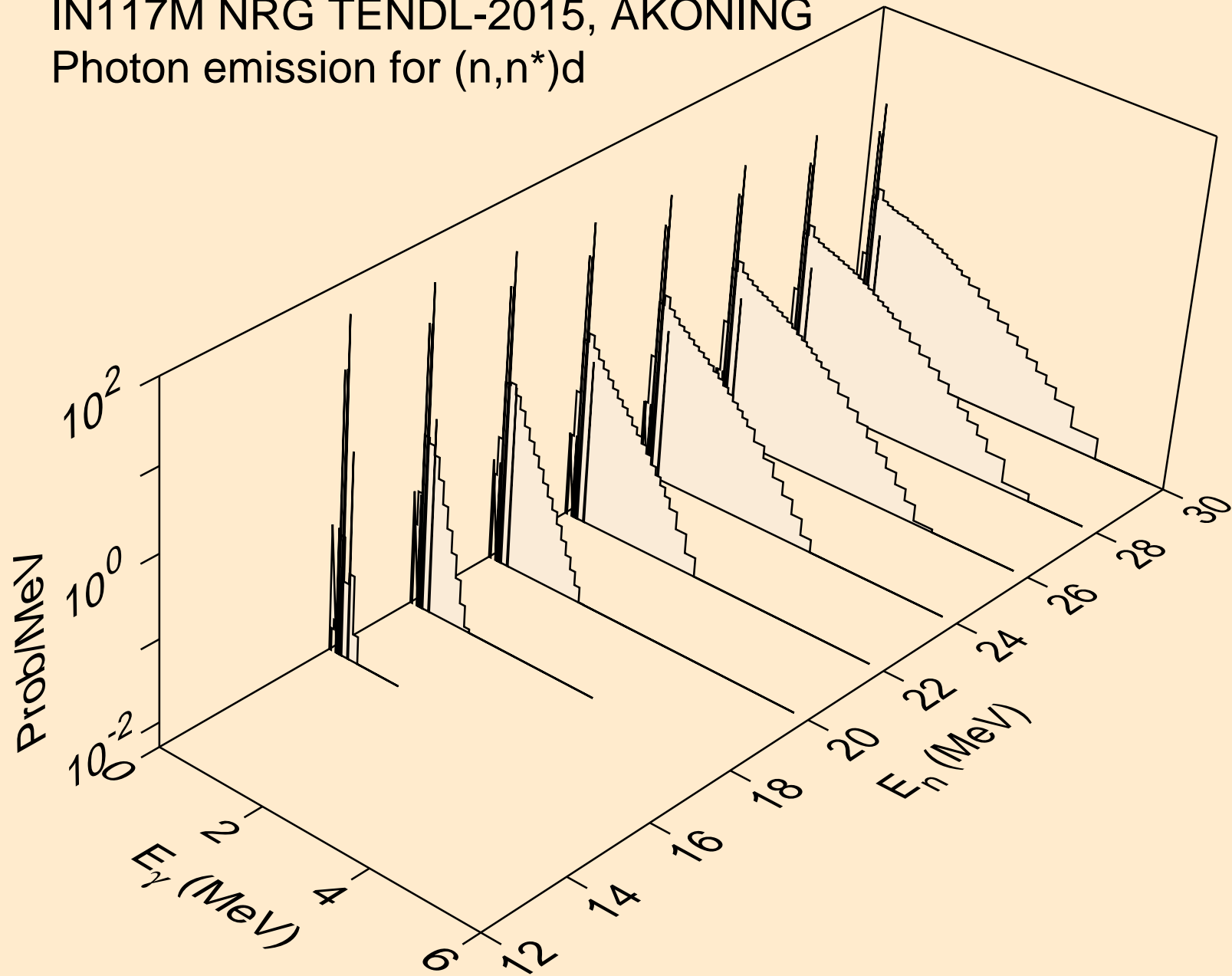




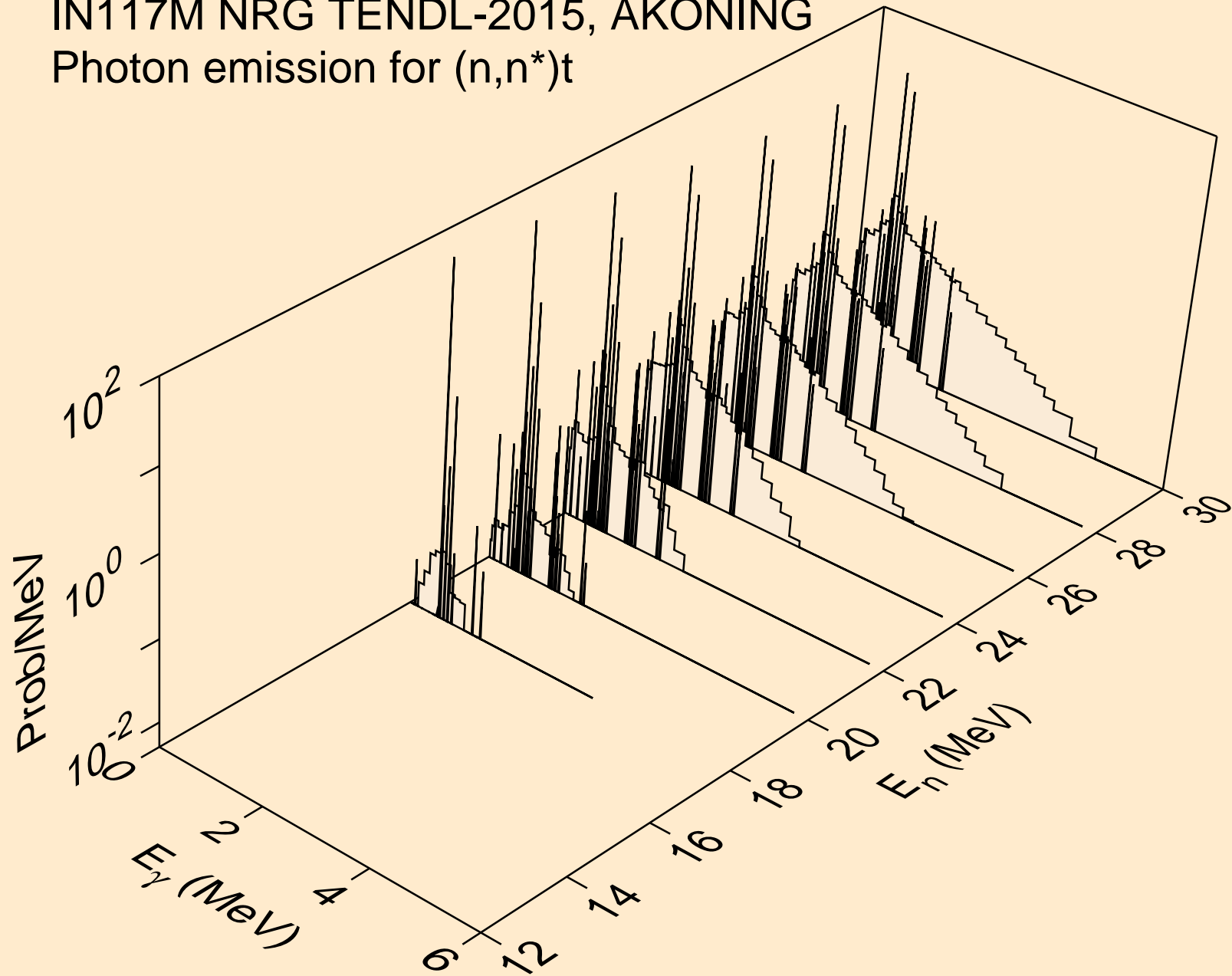
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Photon emission for (n,n\*)p



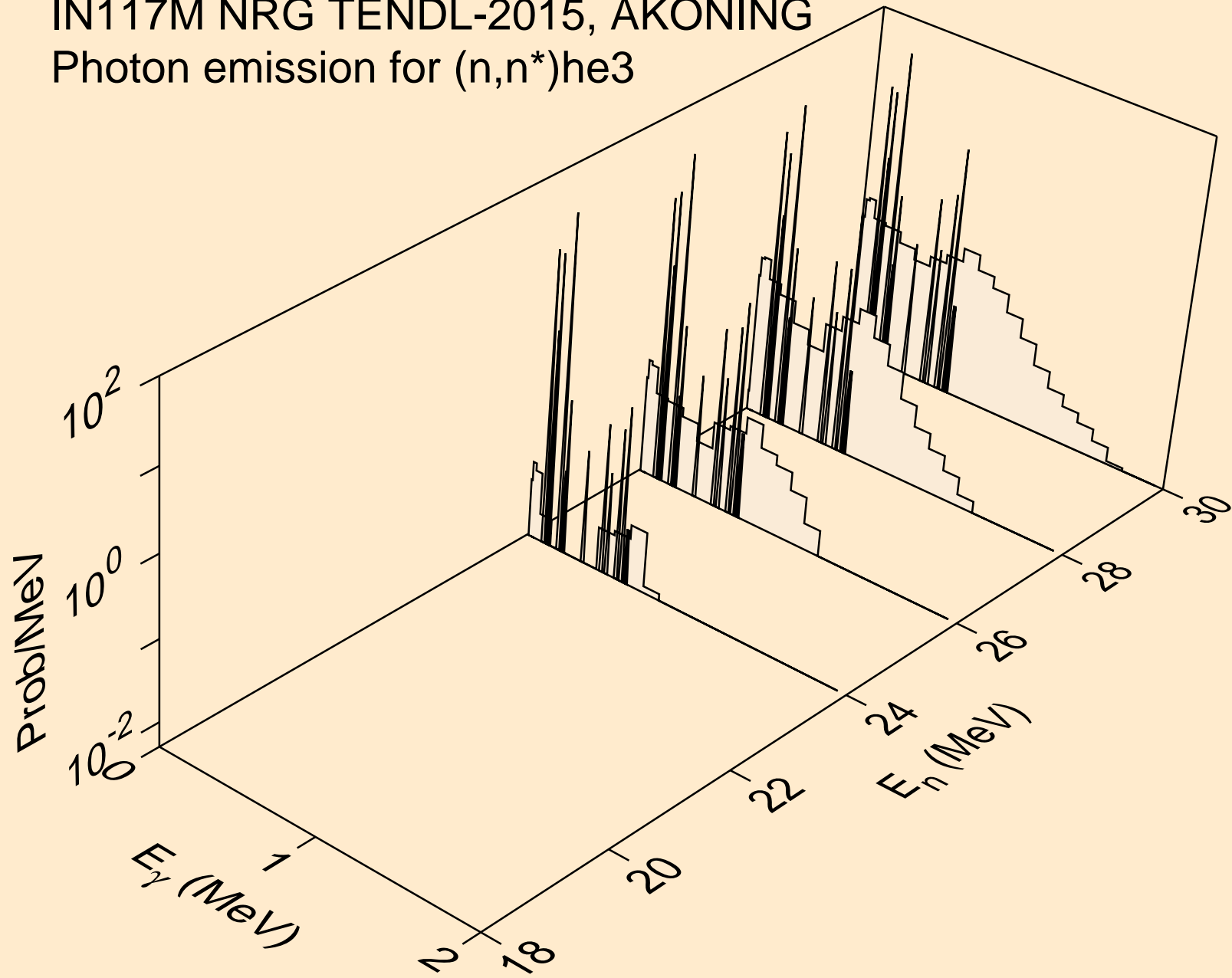
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Photon emission for (n,n\*)d



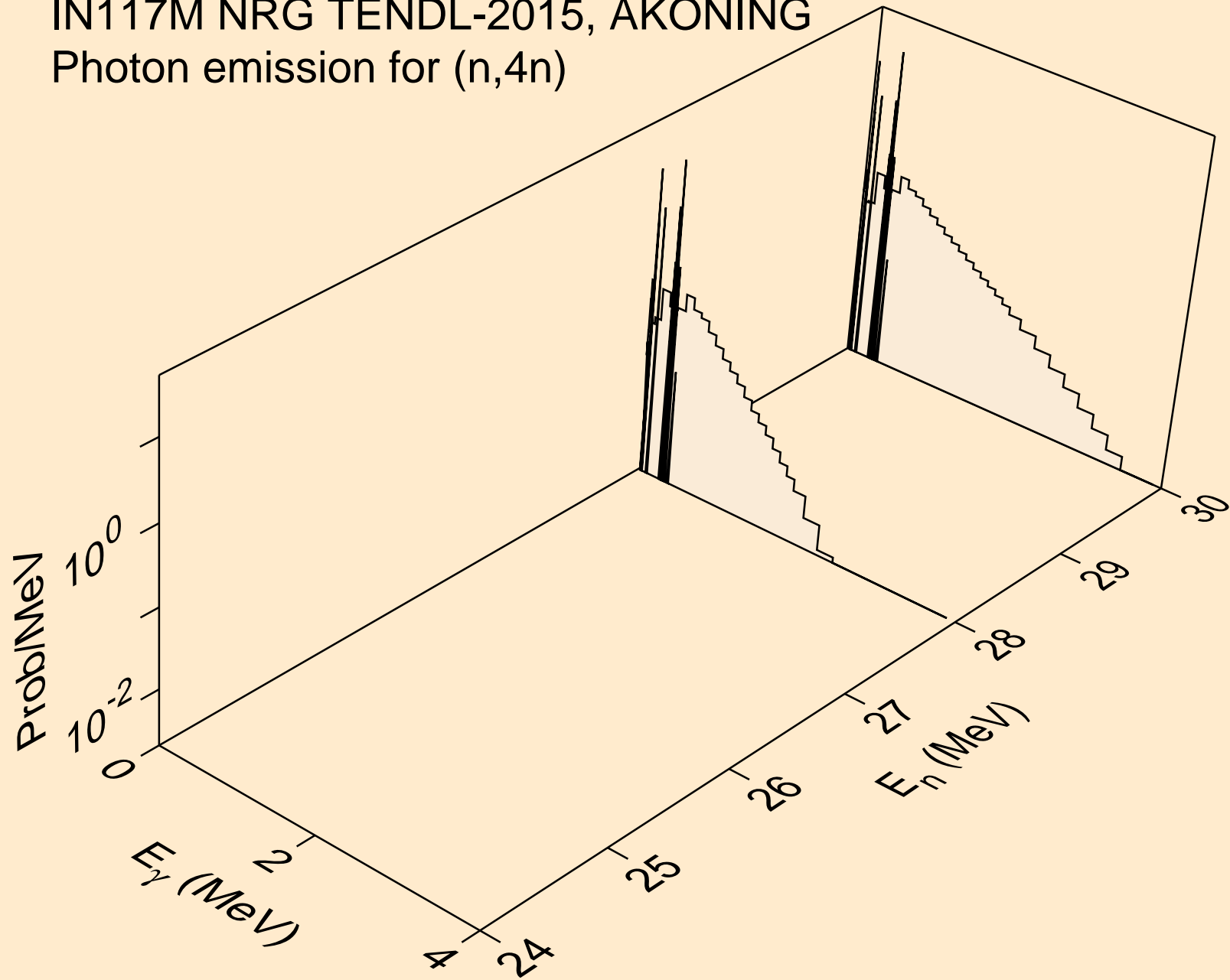
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Photon emission for (n,n\*)t



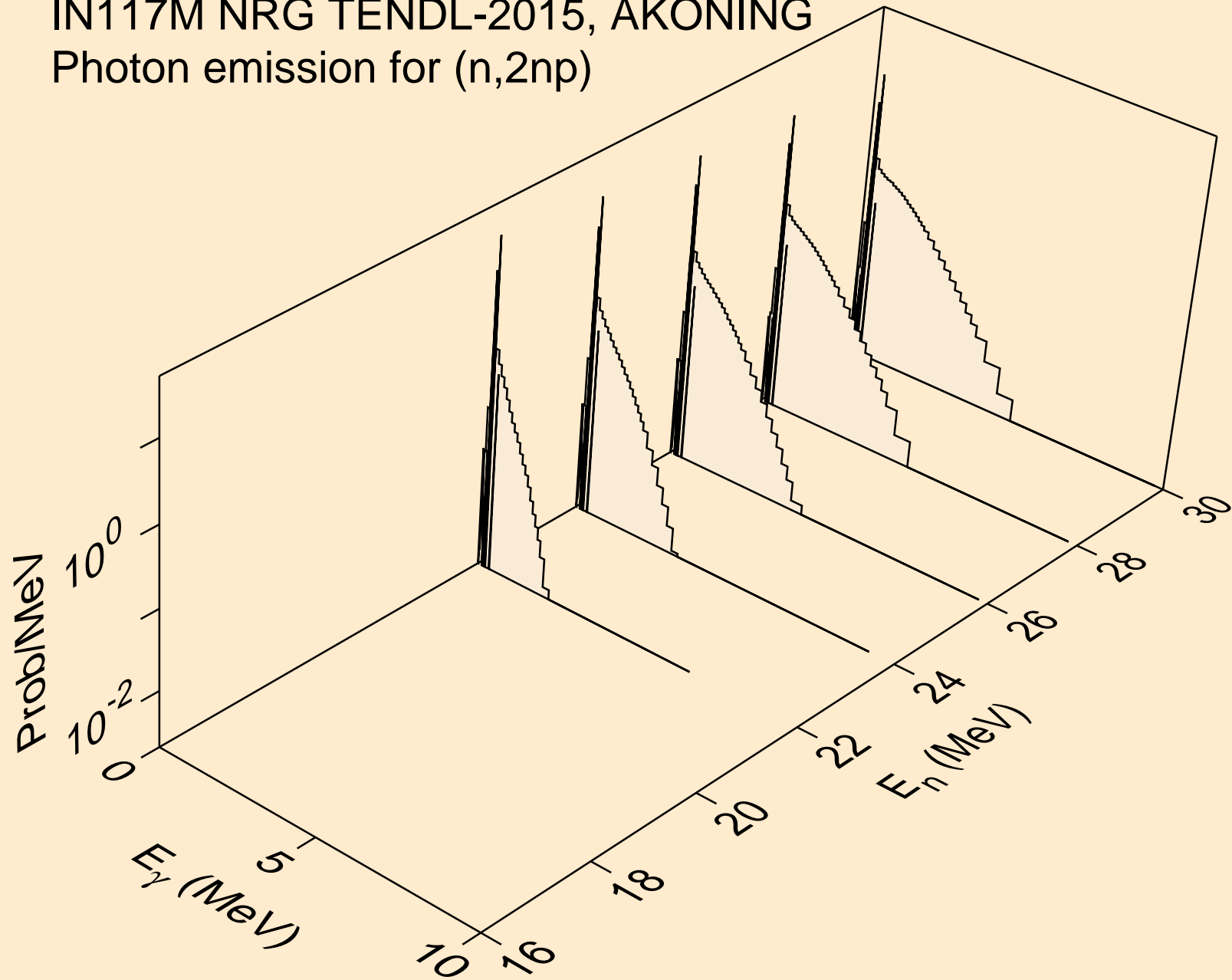
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Photon emission for (n,n\*)he3



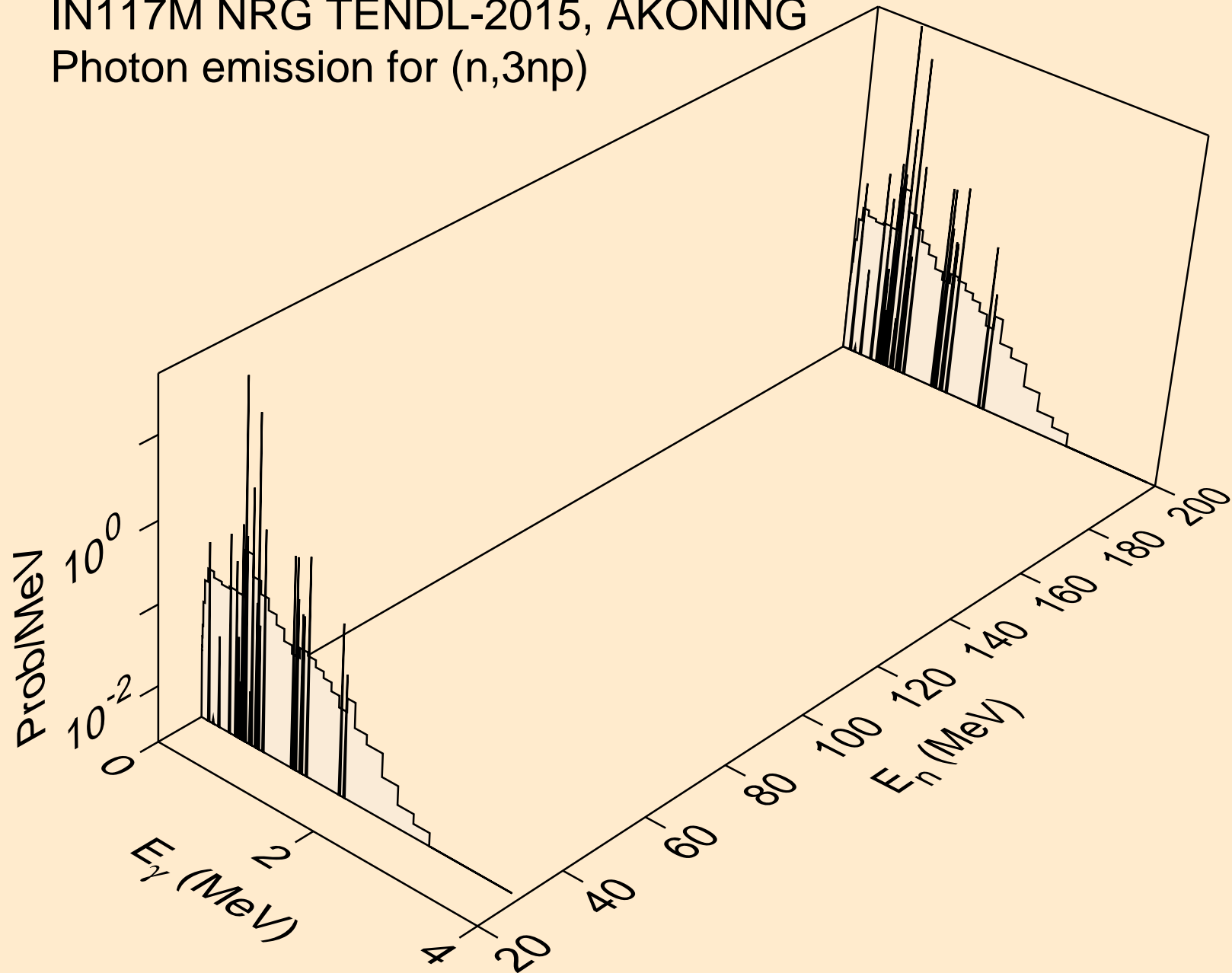
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Photon emission for (n,4n)



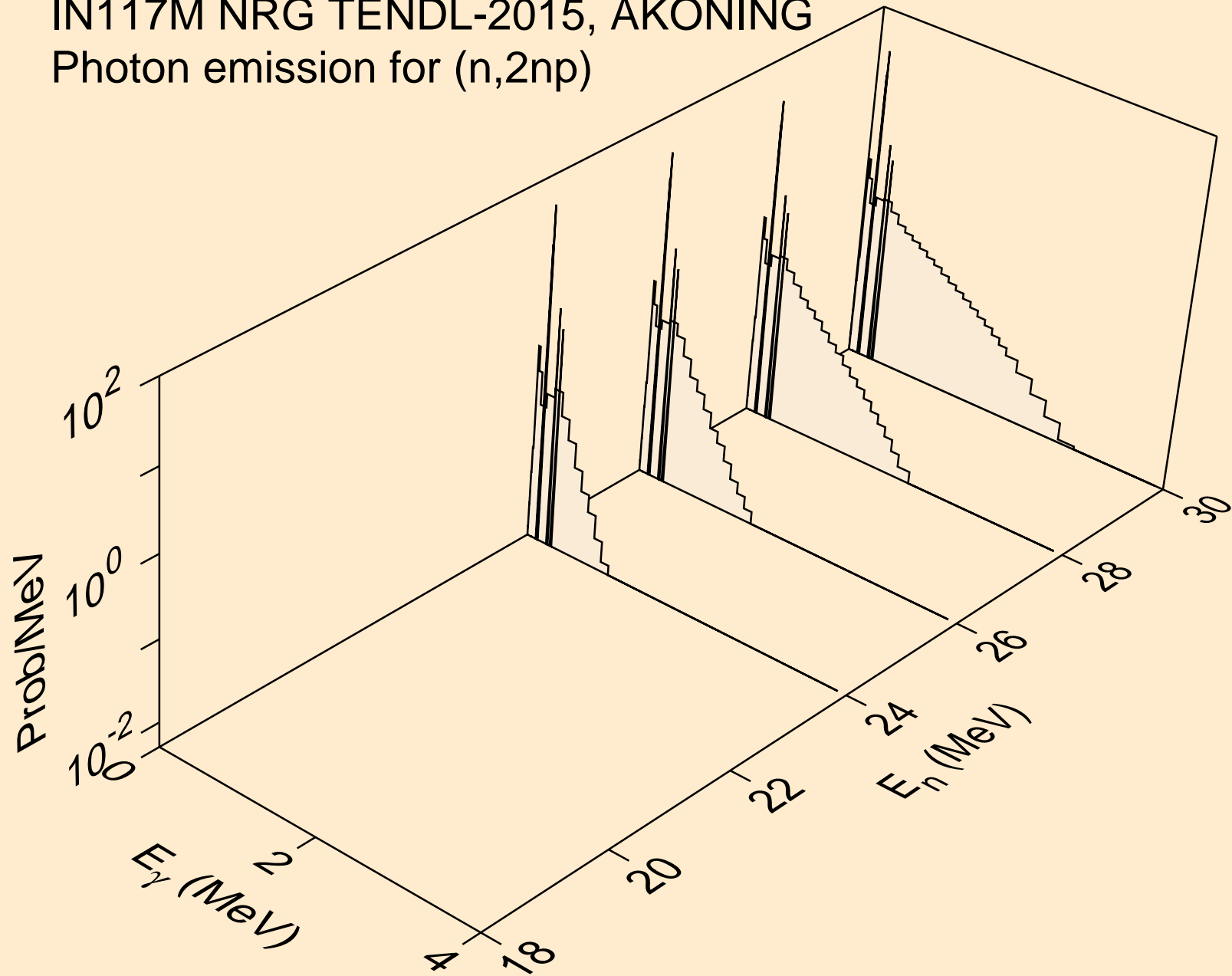
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

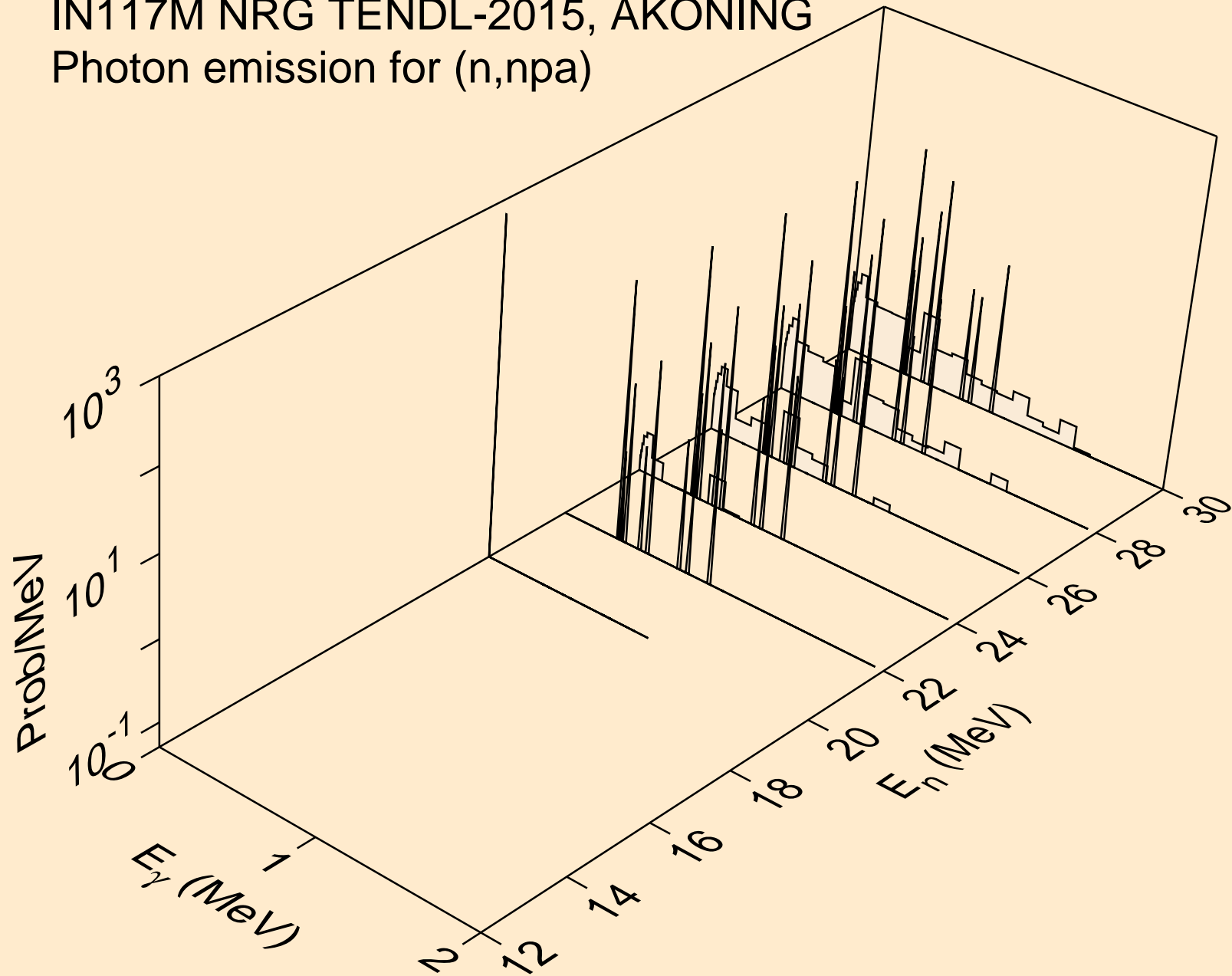


IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

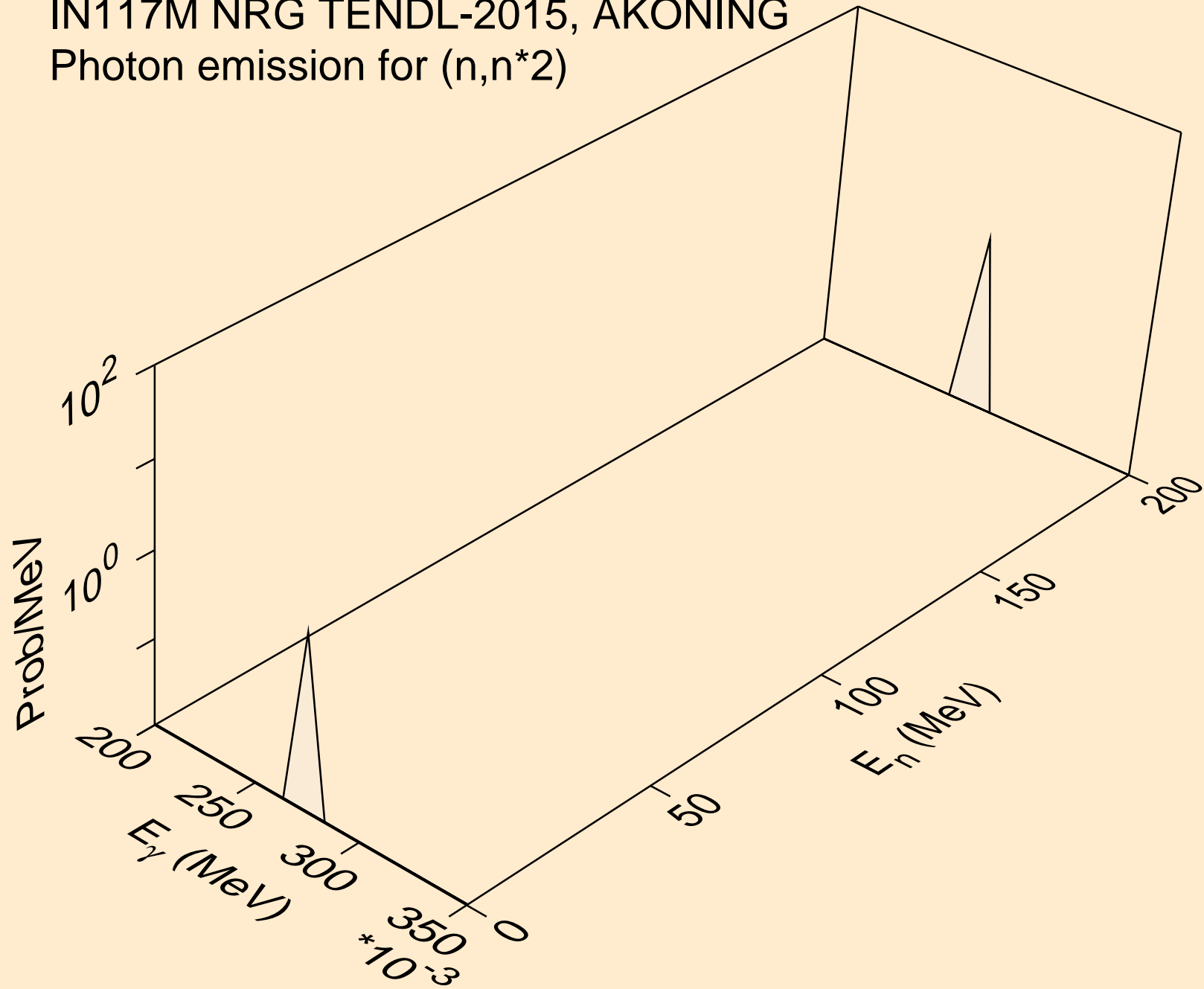




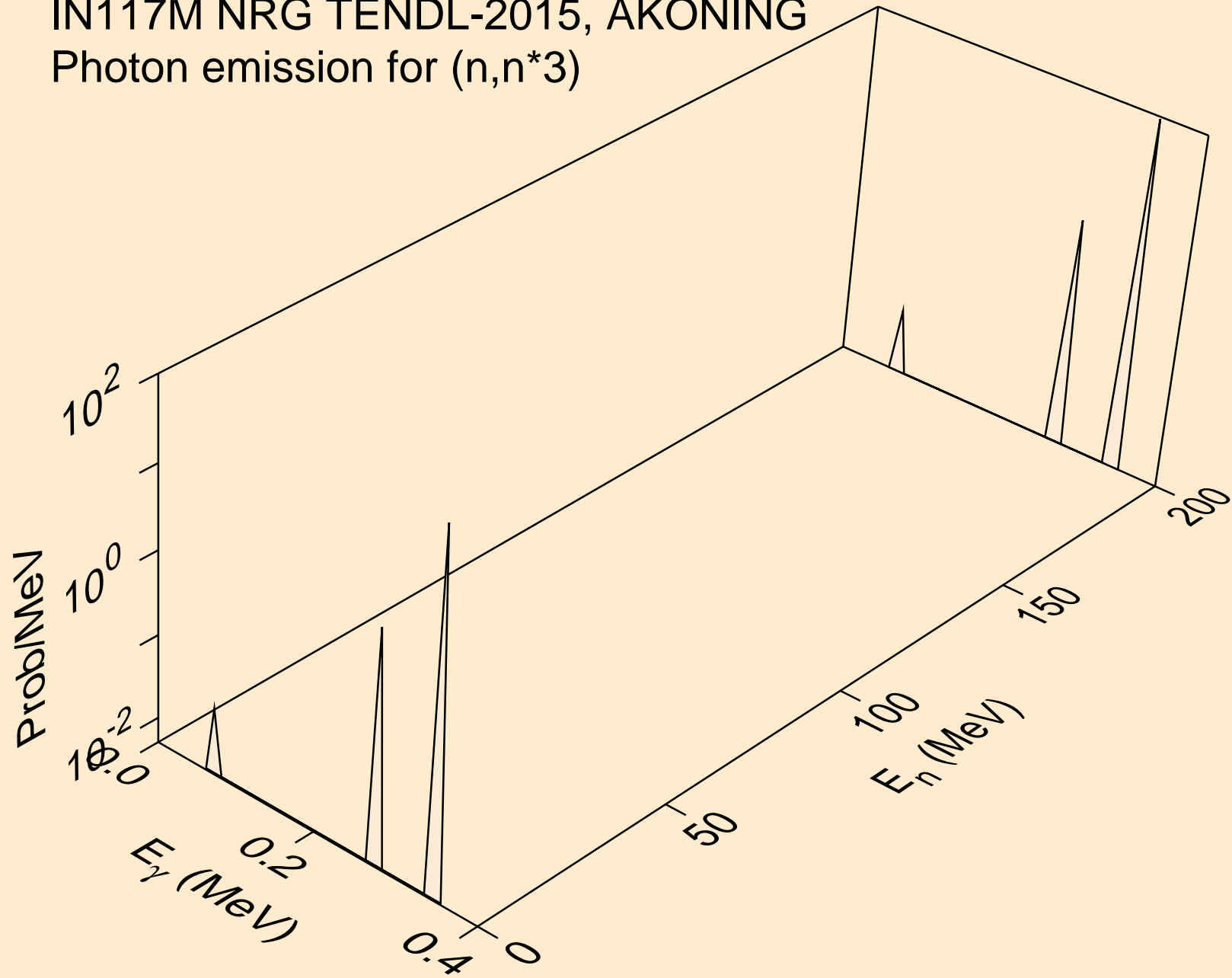
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



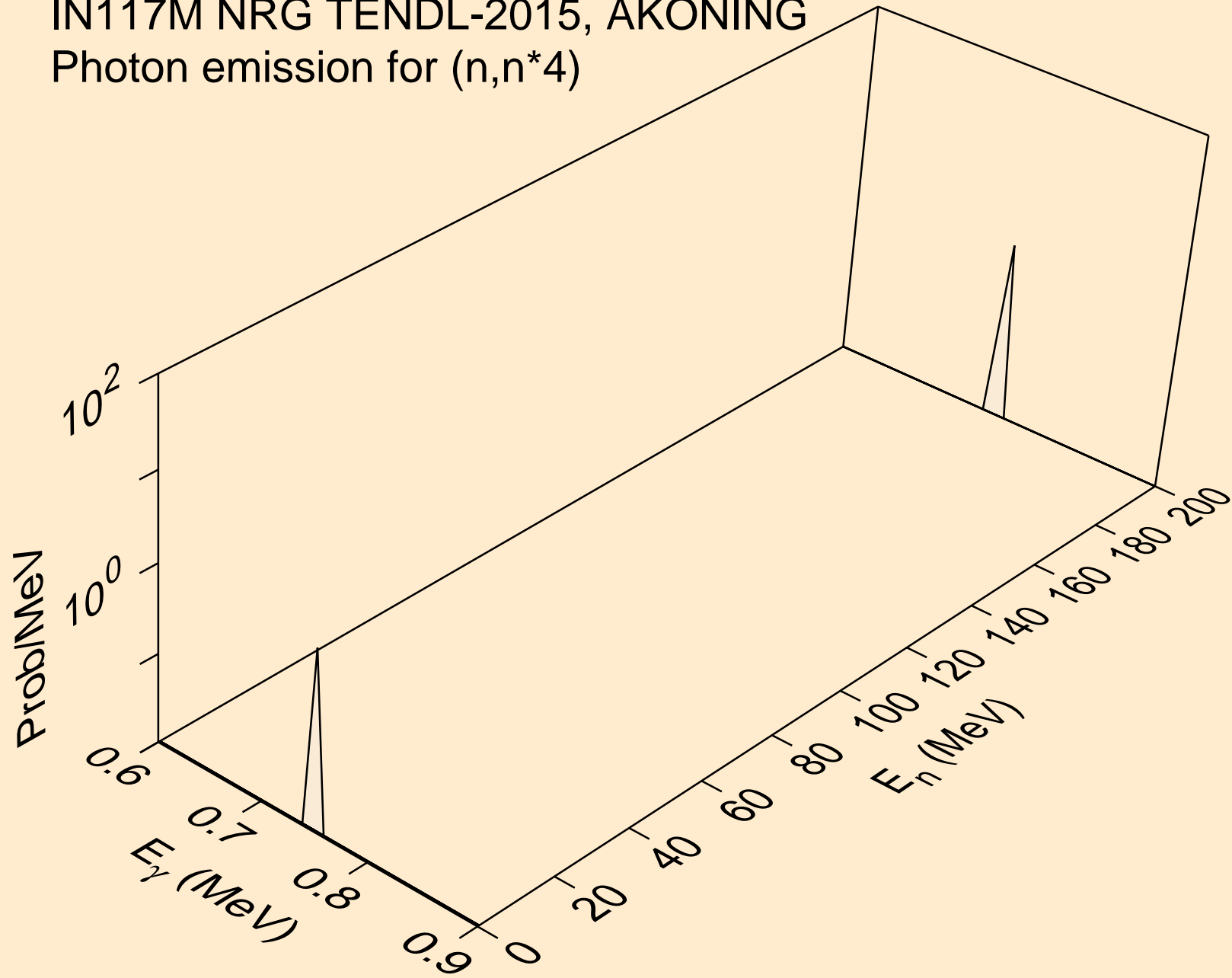
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*2)



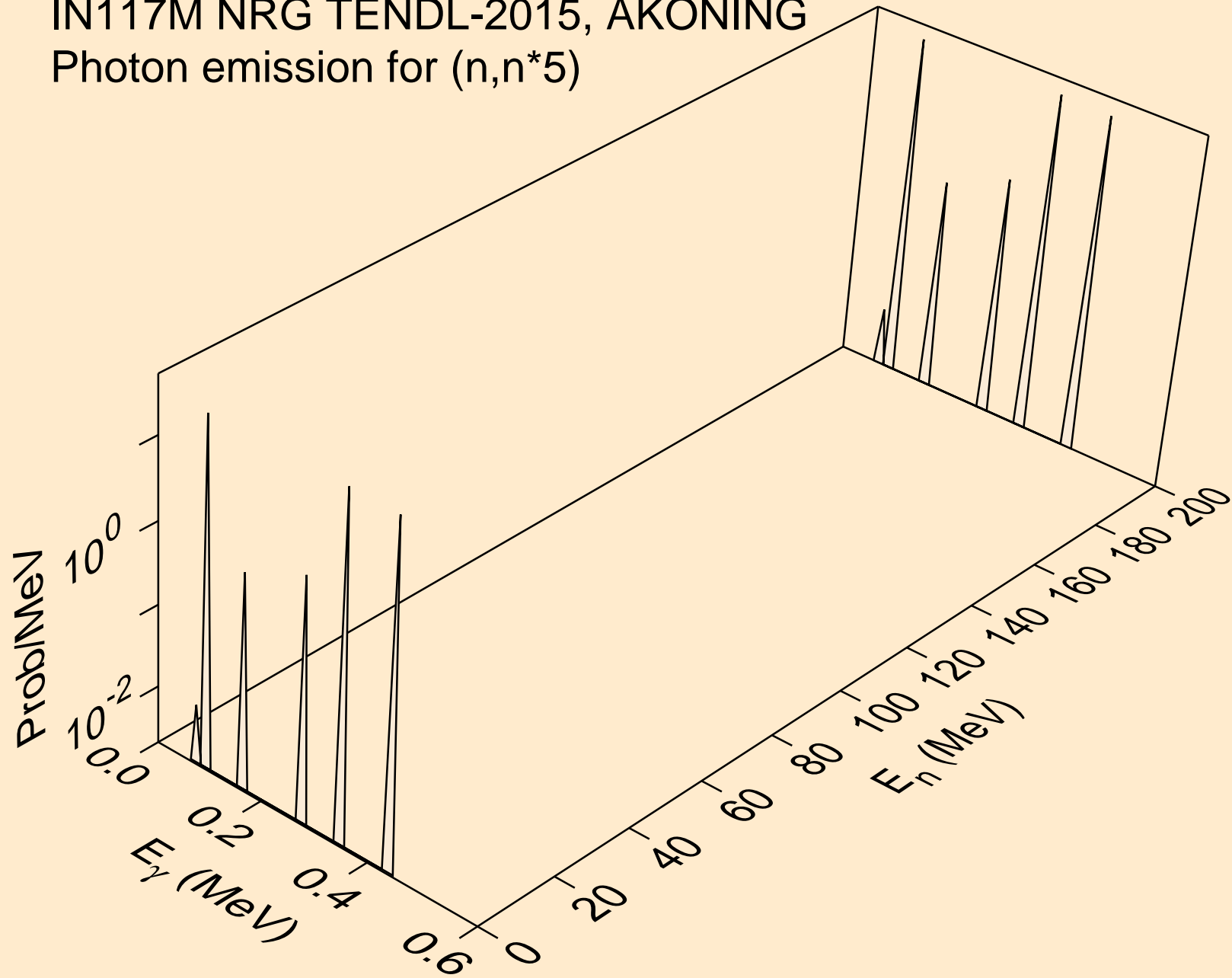
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*3)



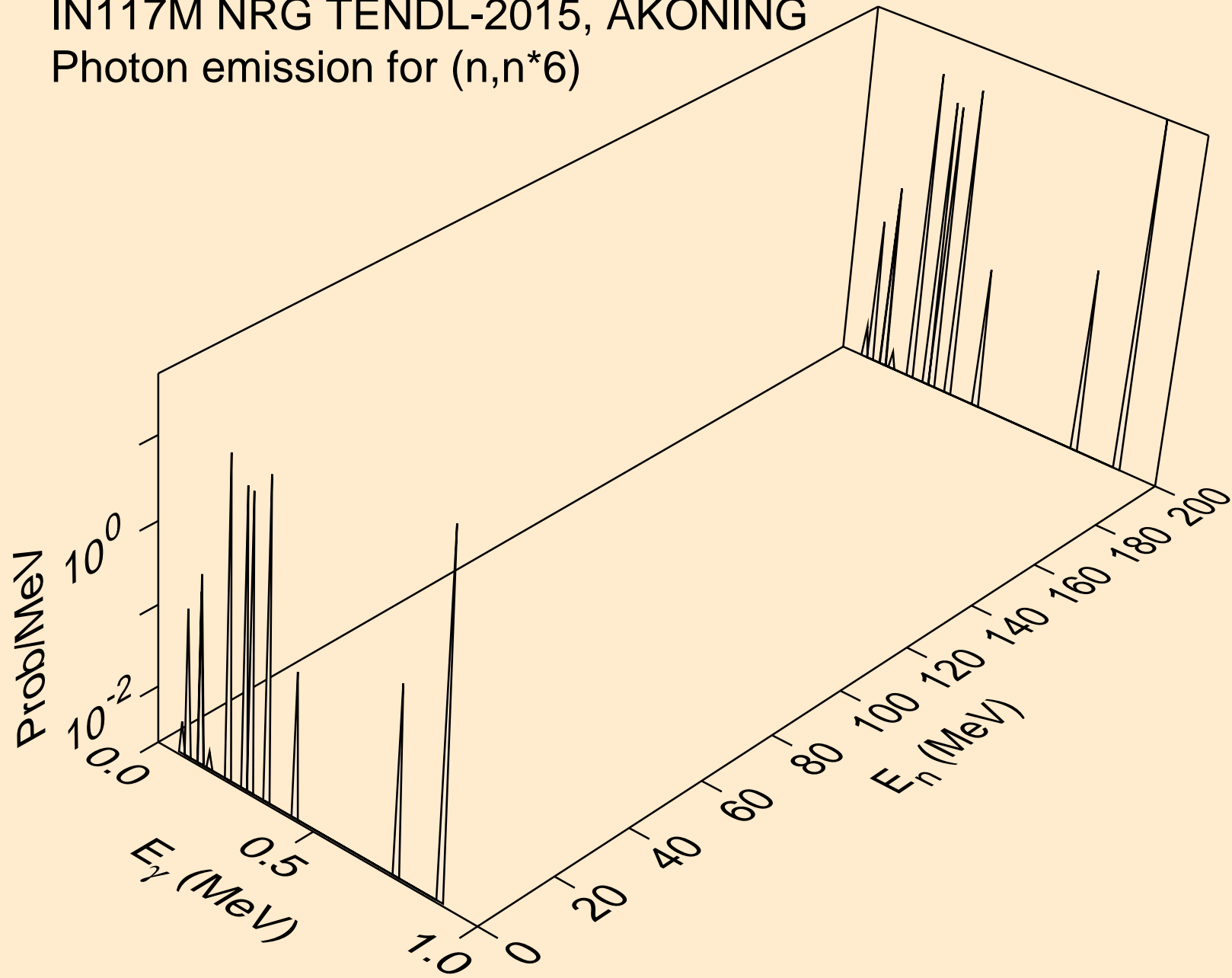
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*4)



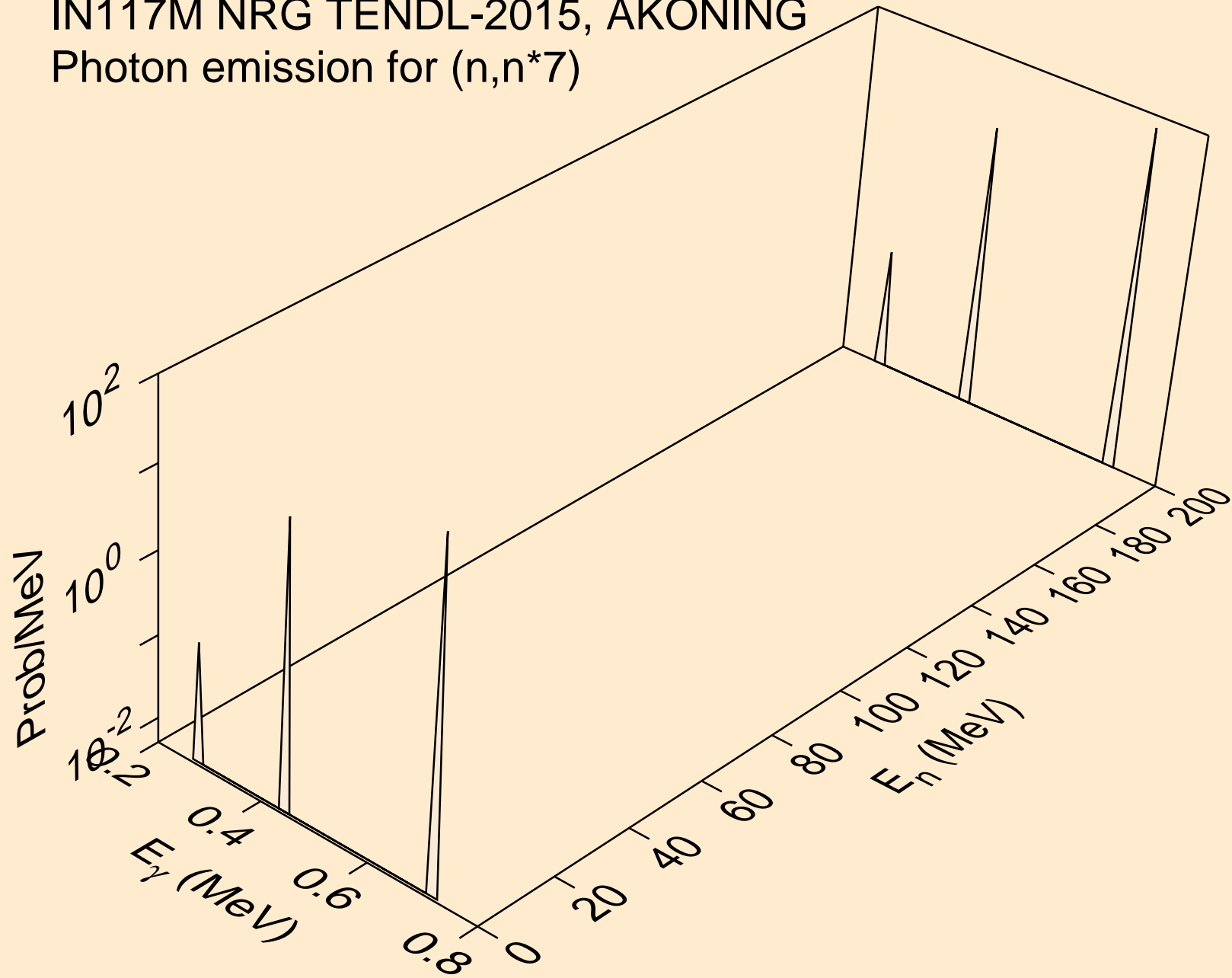
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*5)



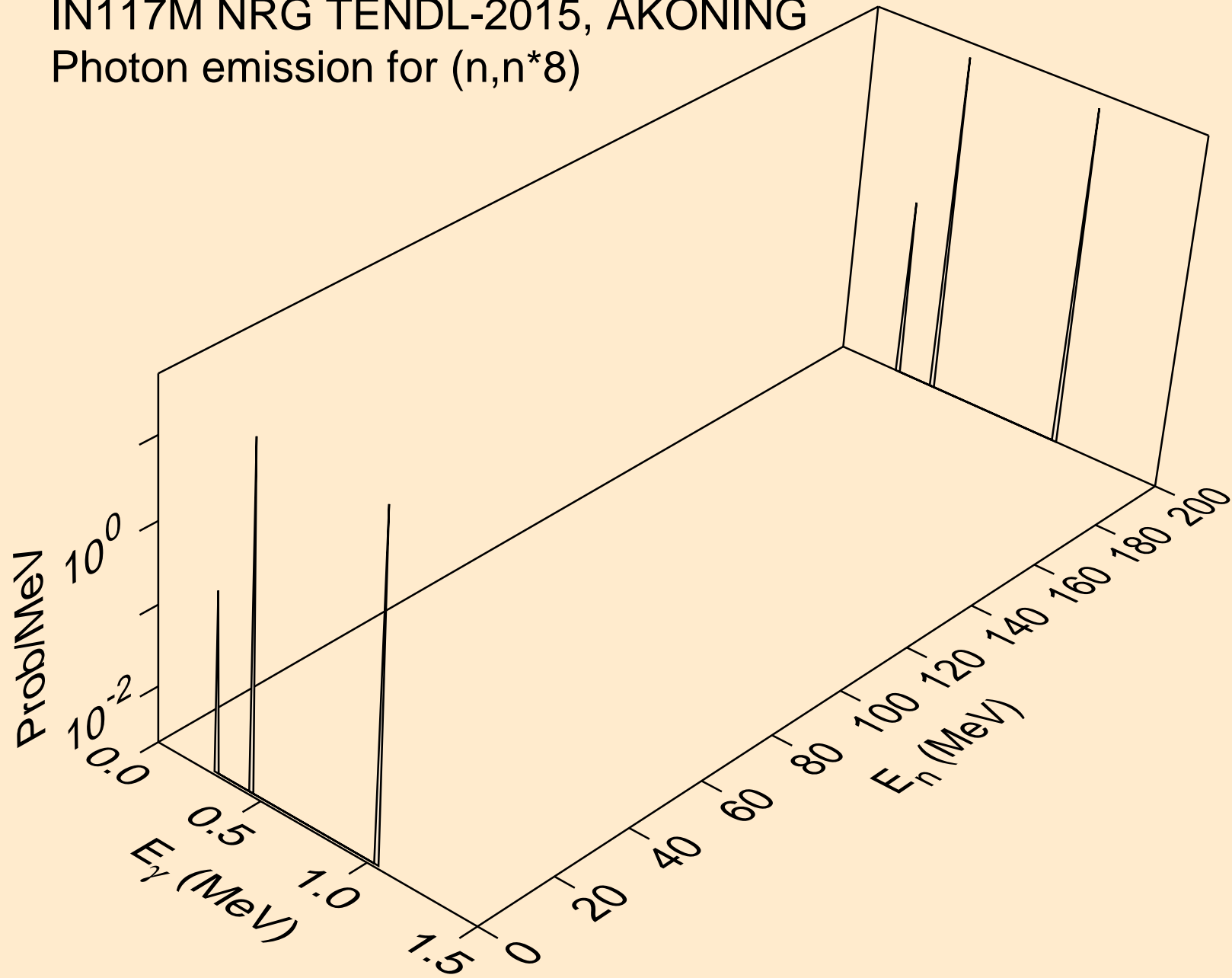
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*6)



IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*7)

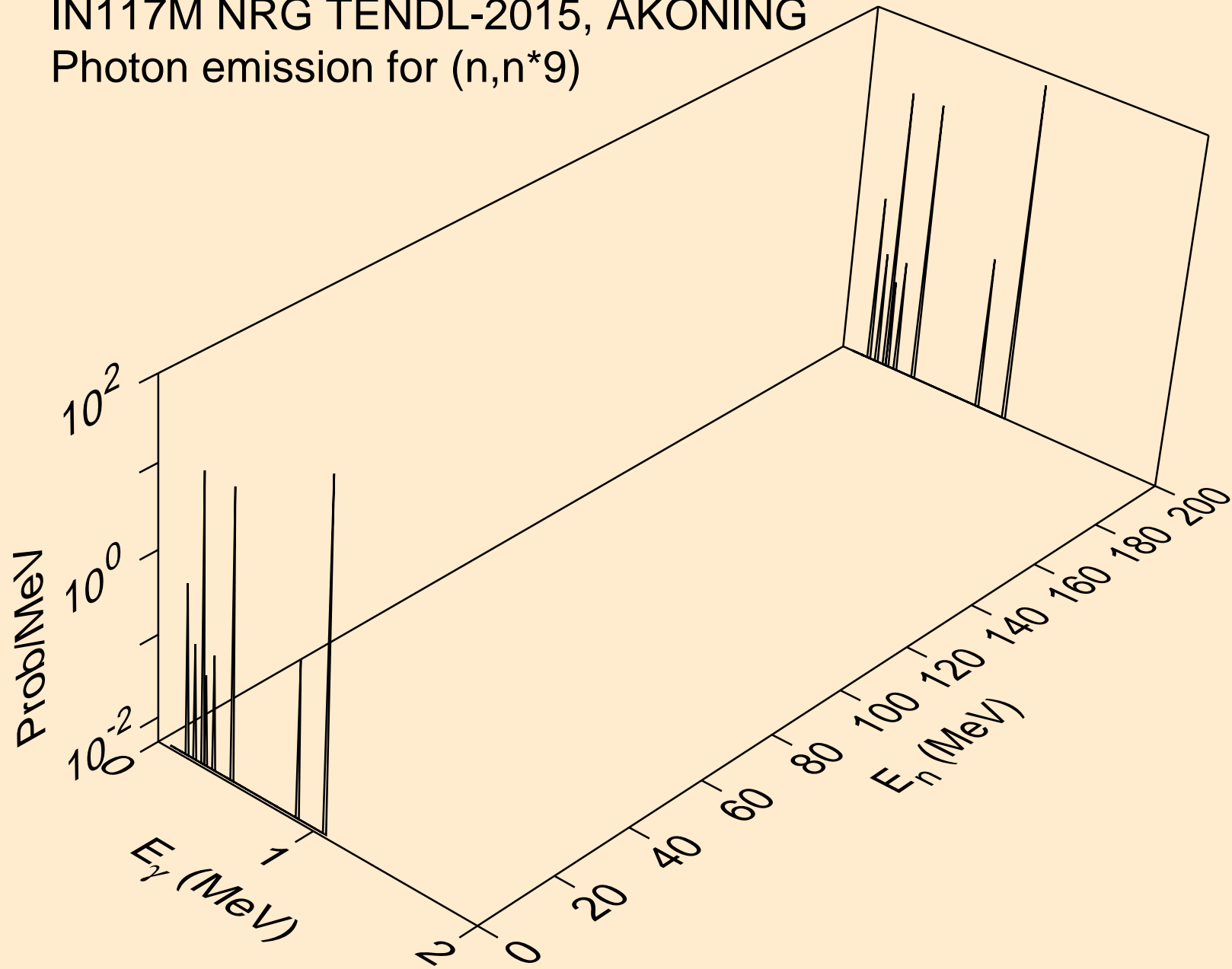


IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*8)

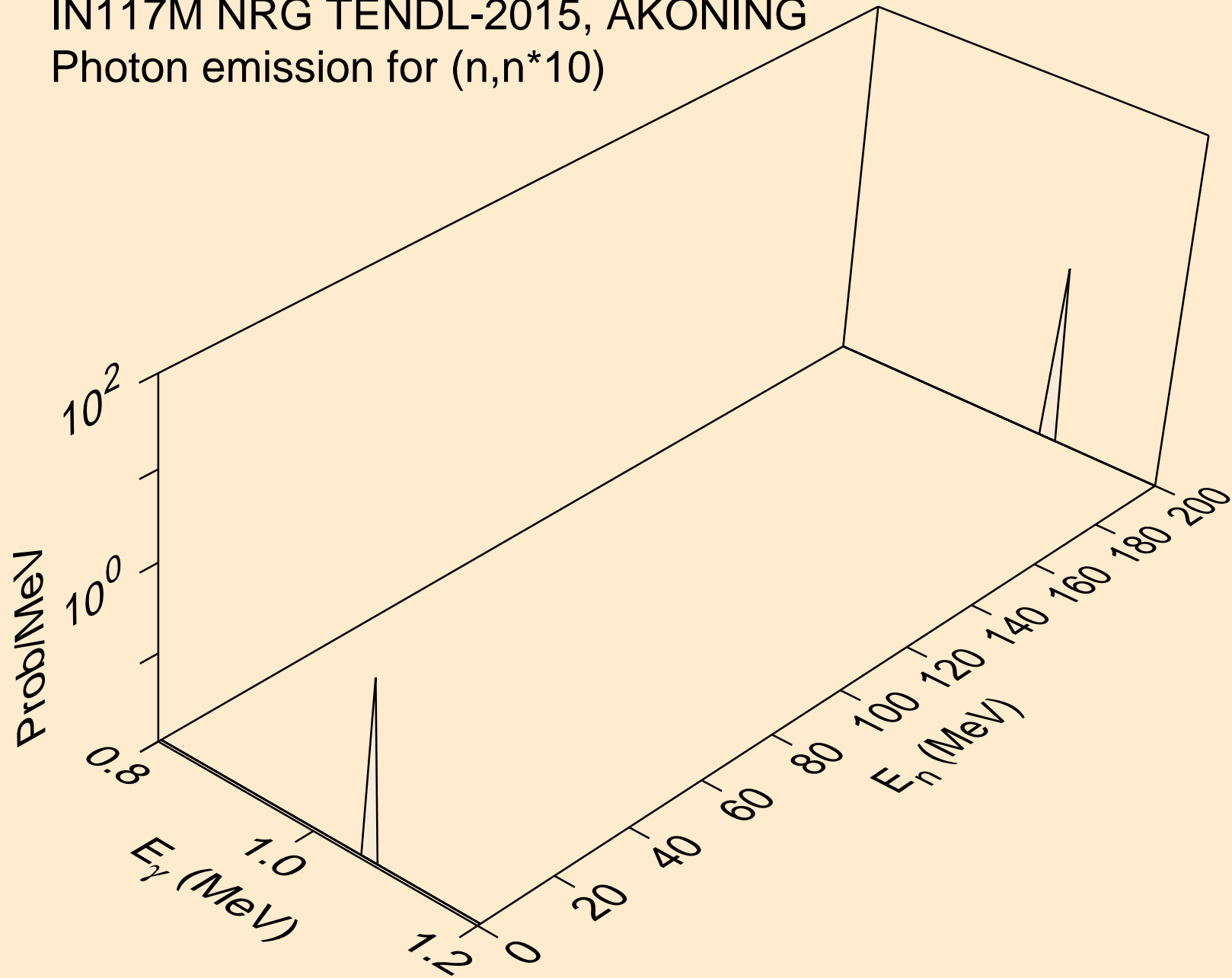




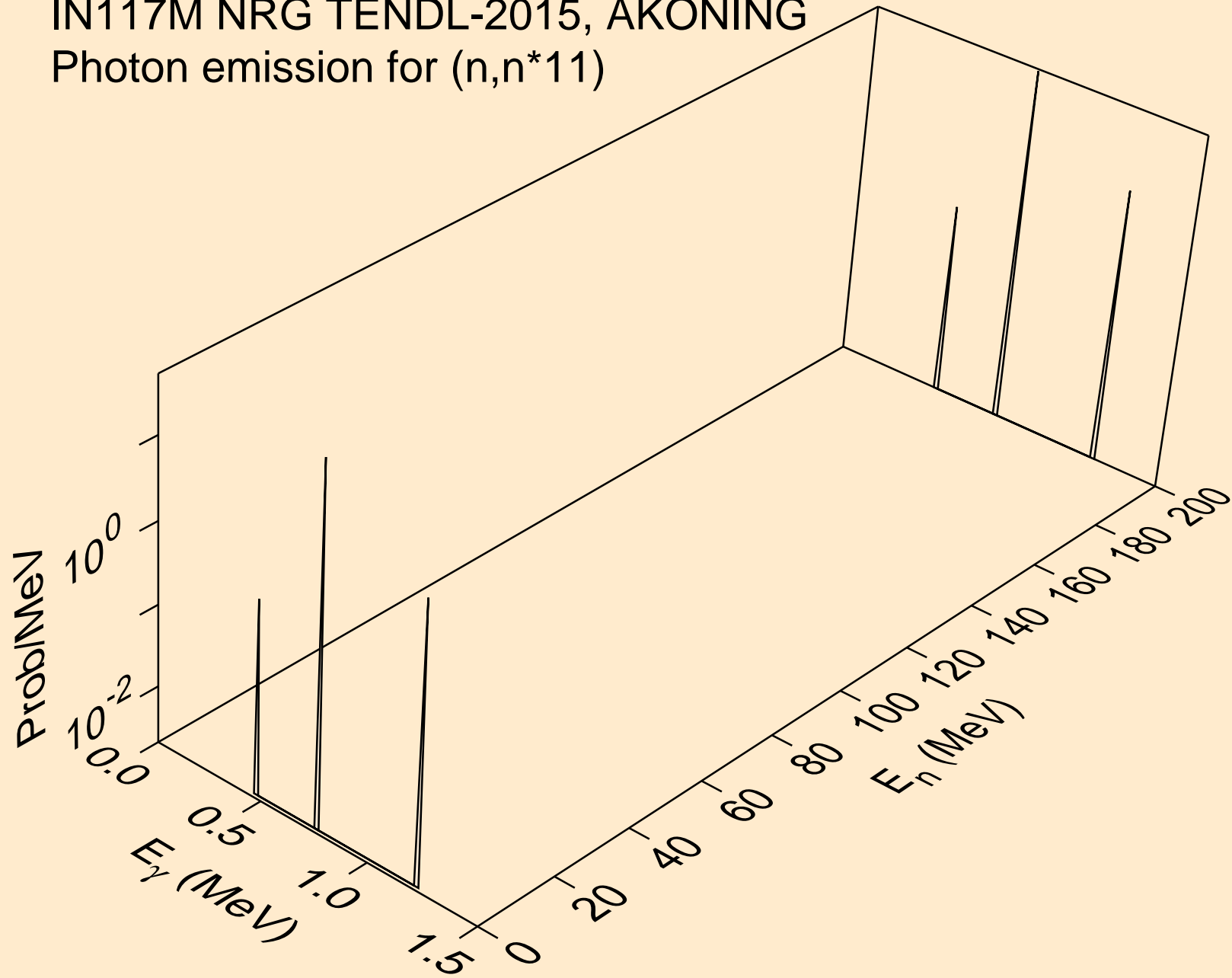
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Photon emission for (n,n\*9)



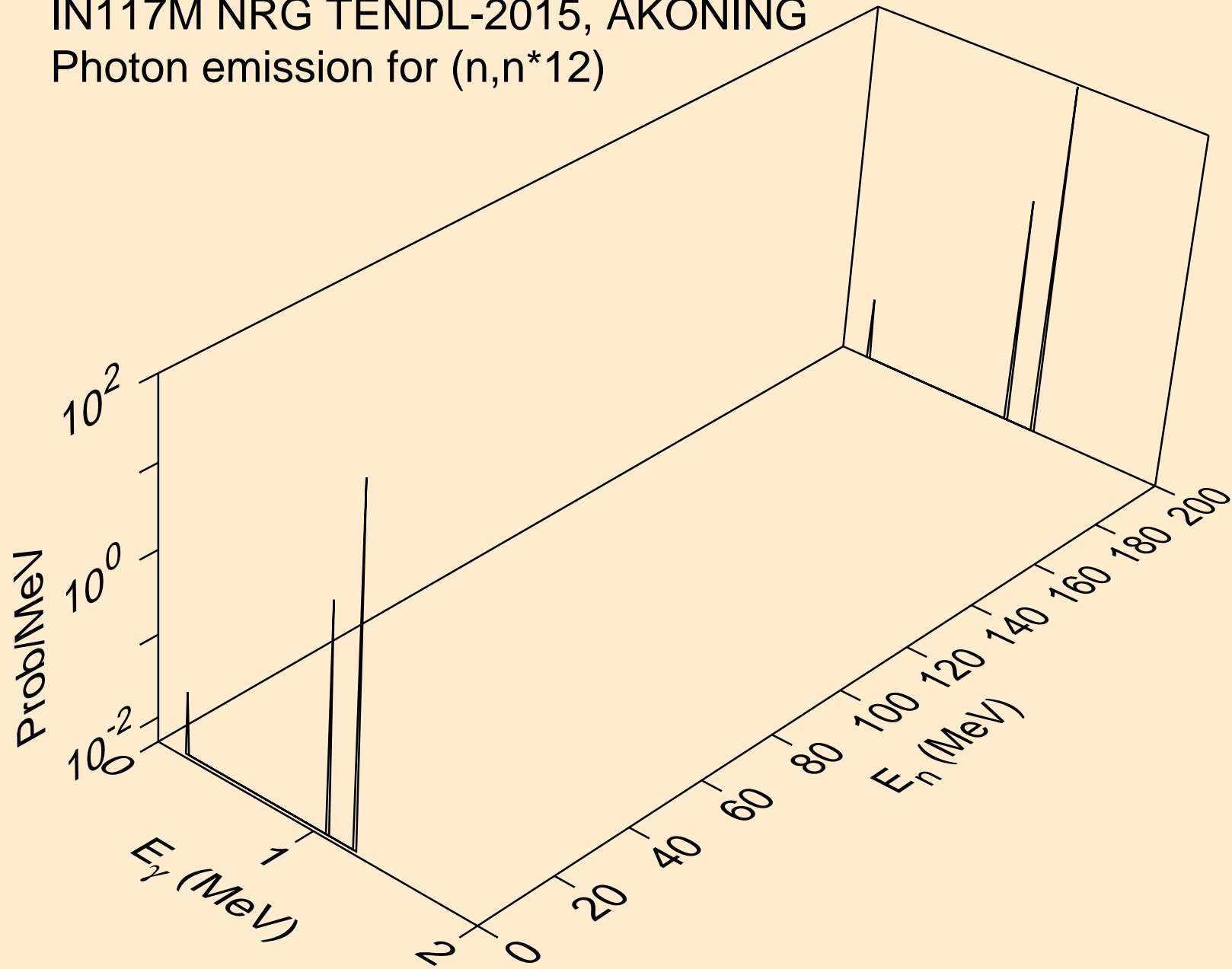
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Photon emission for (n,n\*10)



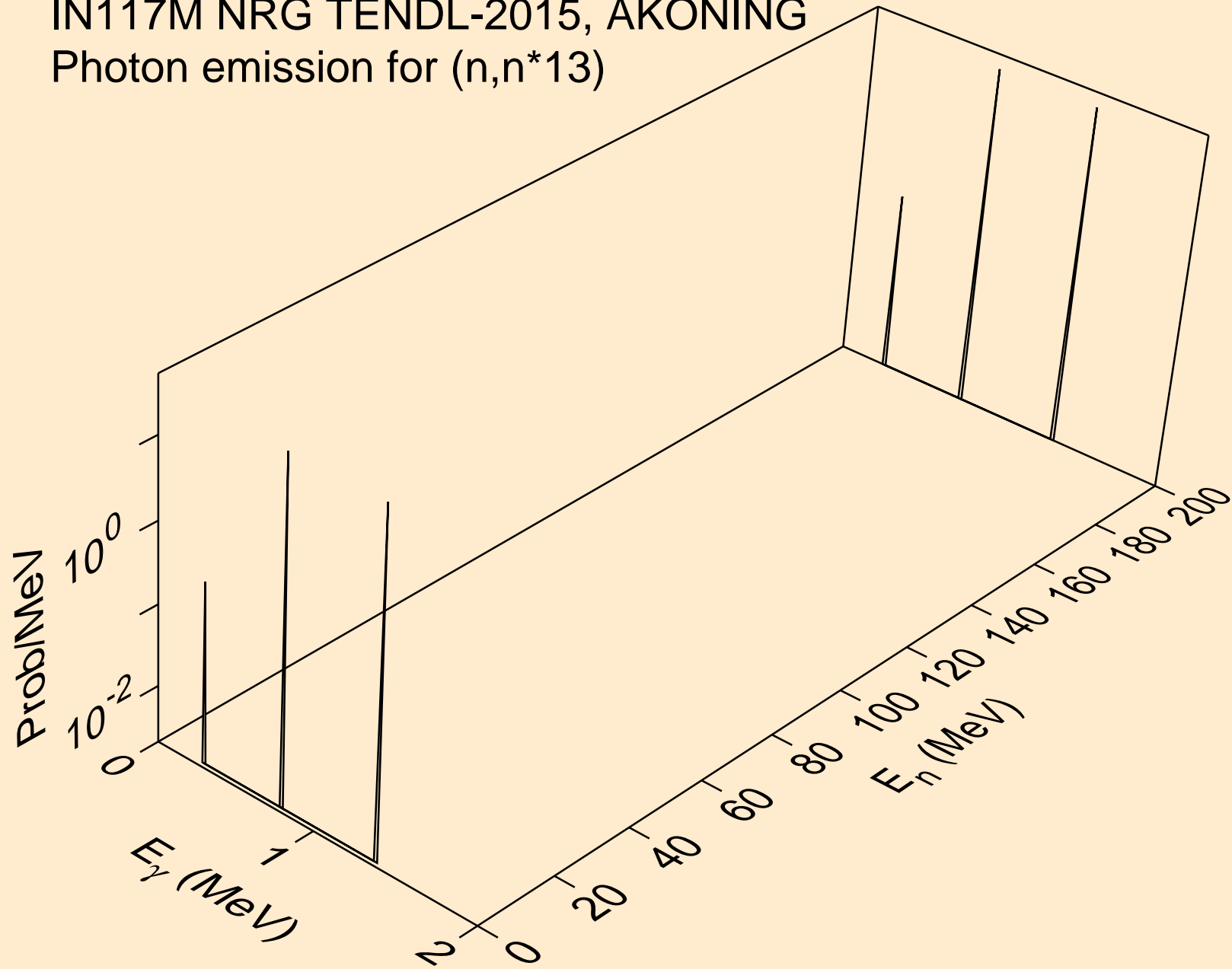
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Photon emission for (n,n\*11)



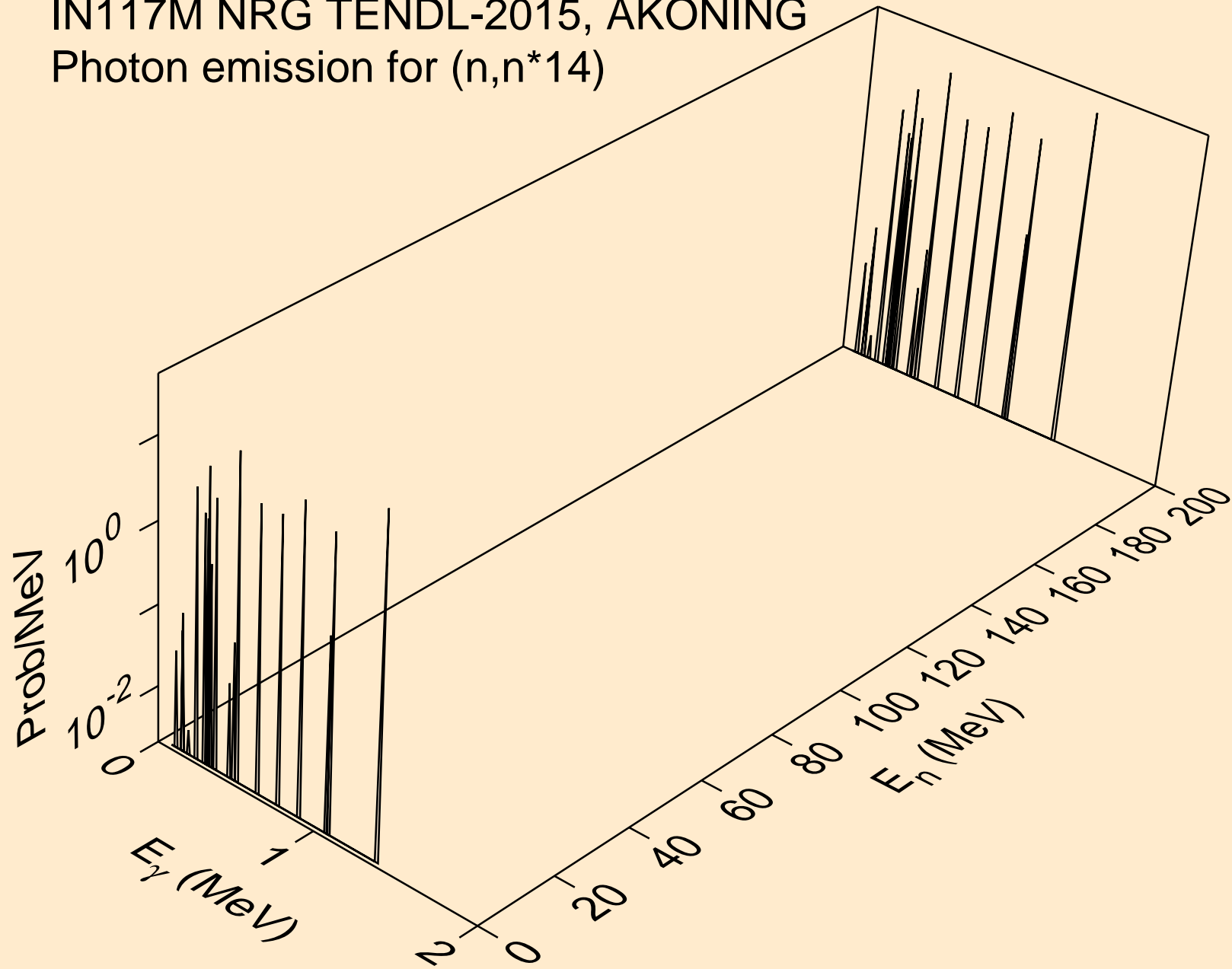
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Photon emission for (n,n\*12)



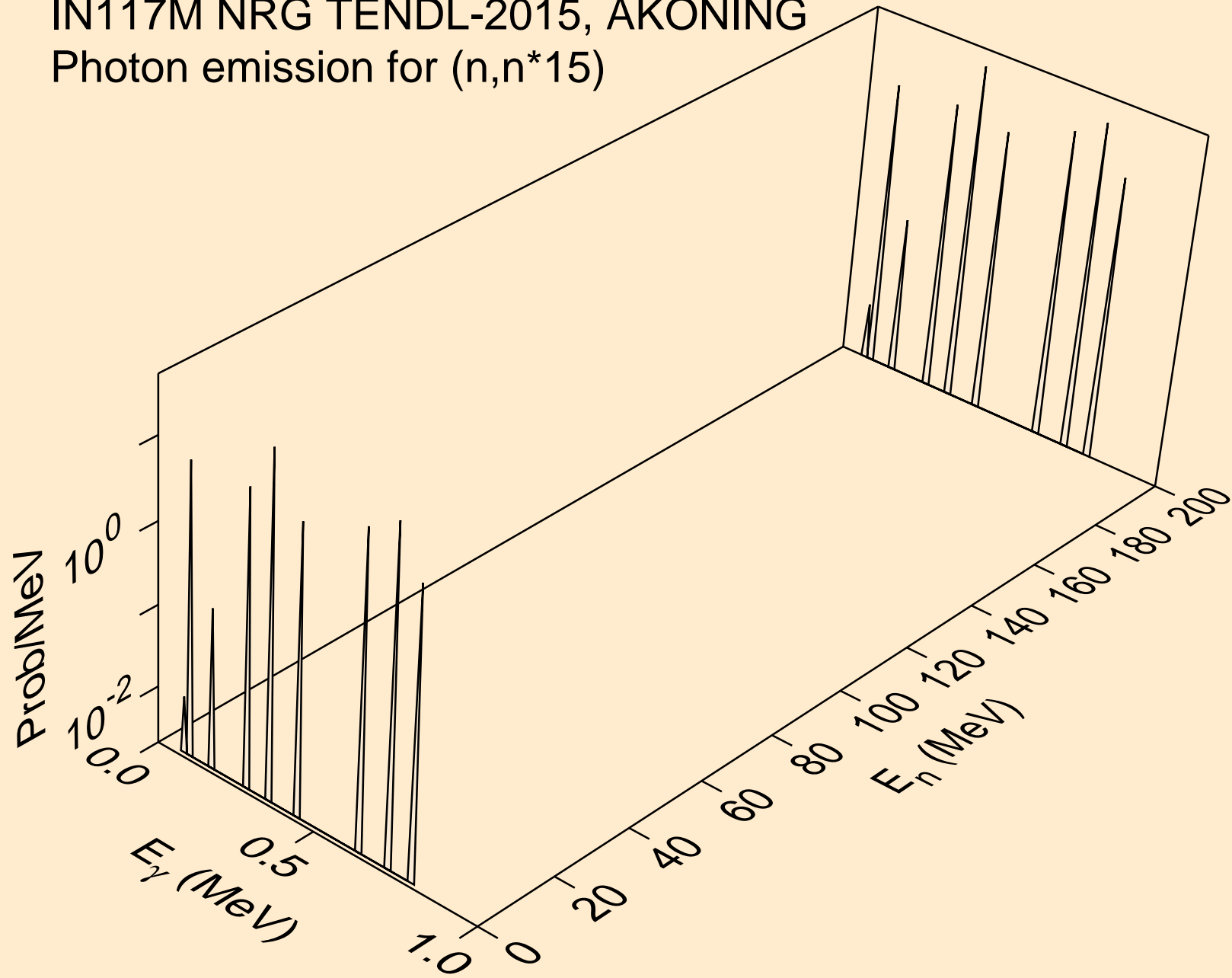
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Photon emission for (n,n\*13)



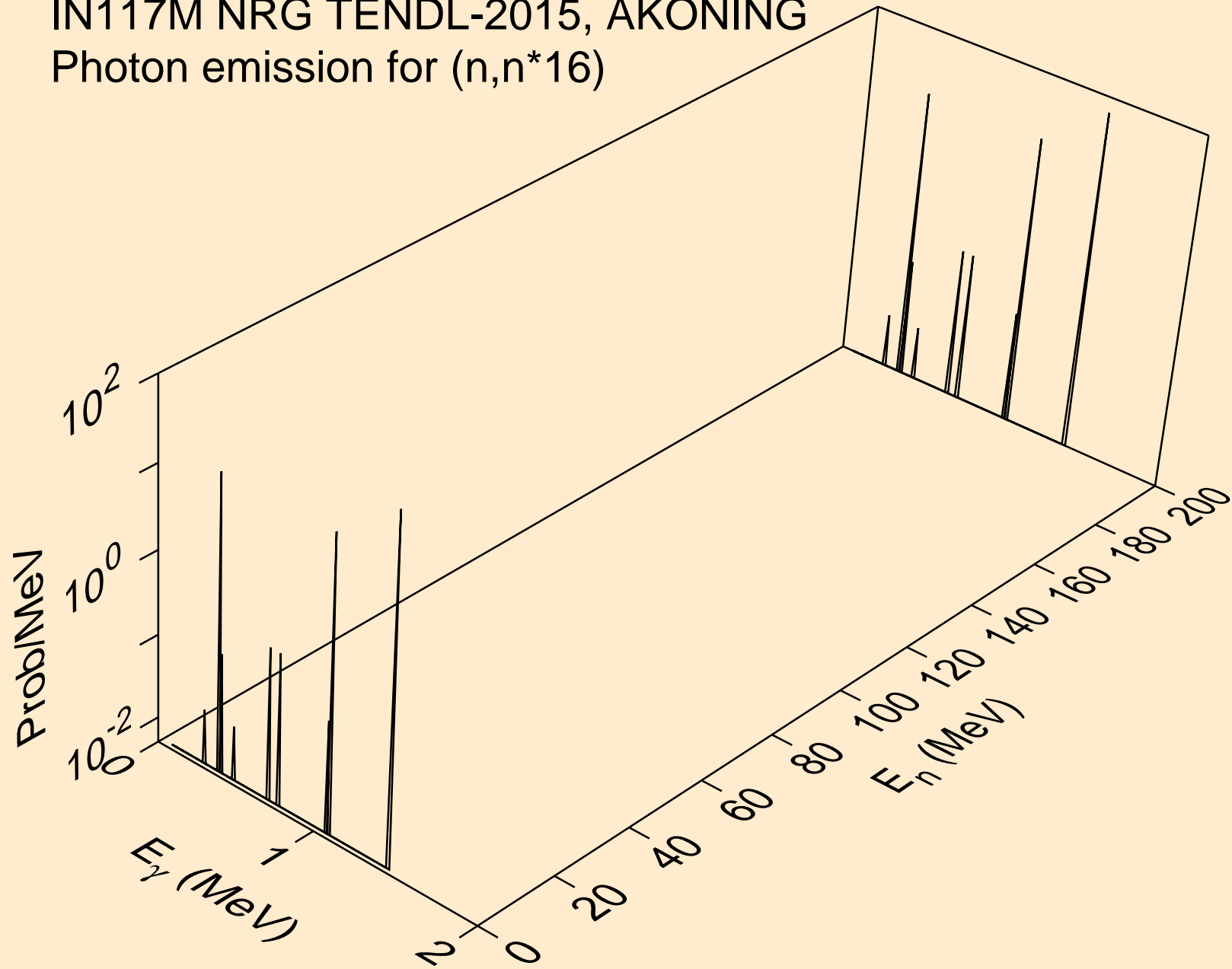
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Photon emission for (n,n\*14)



IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*15)

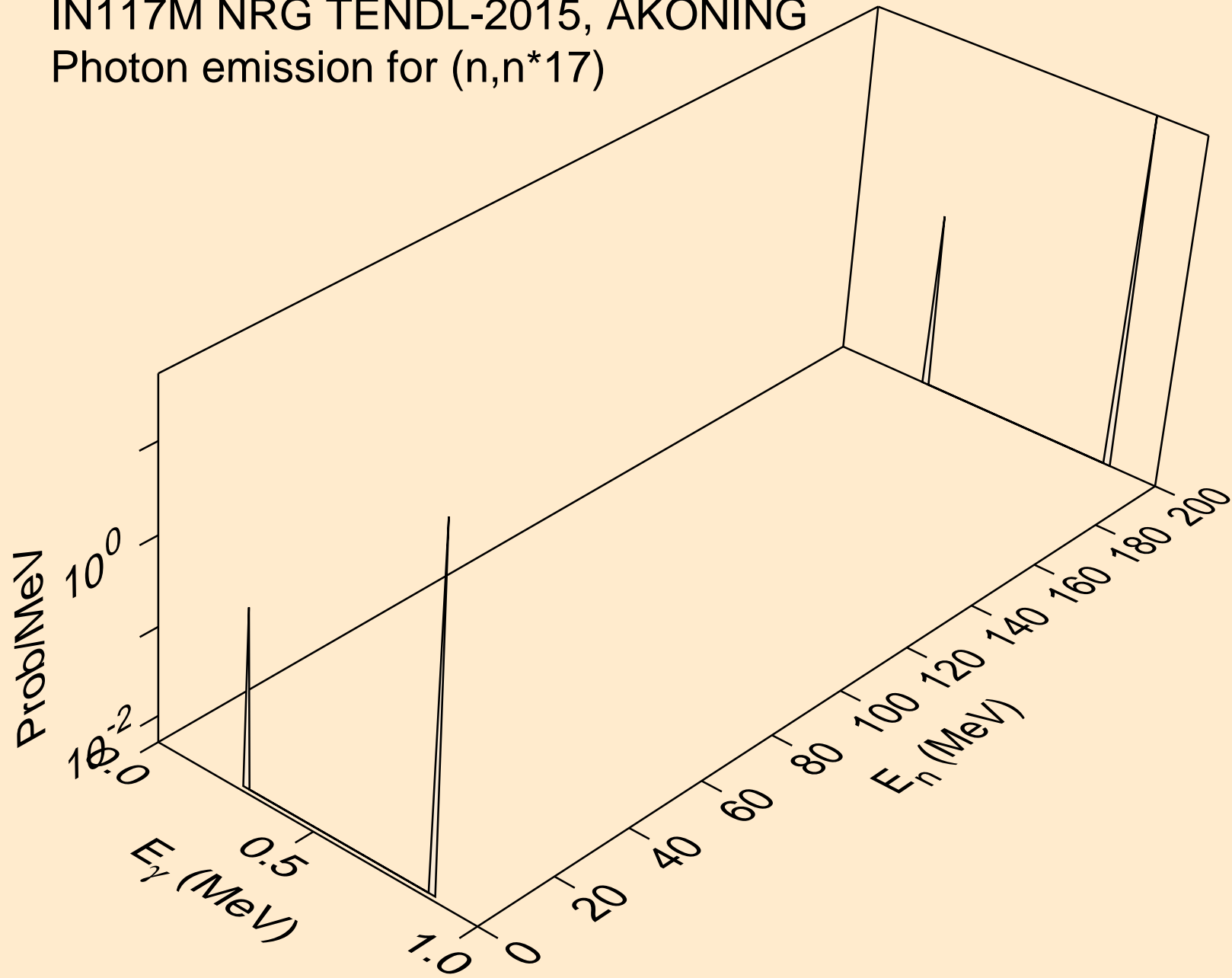


IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*16)

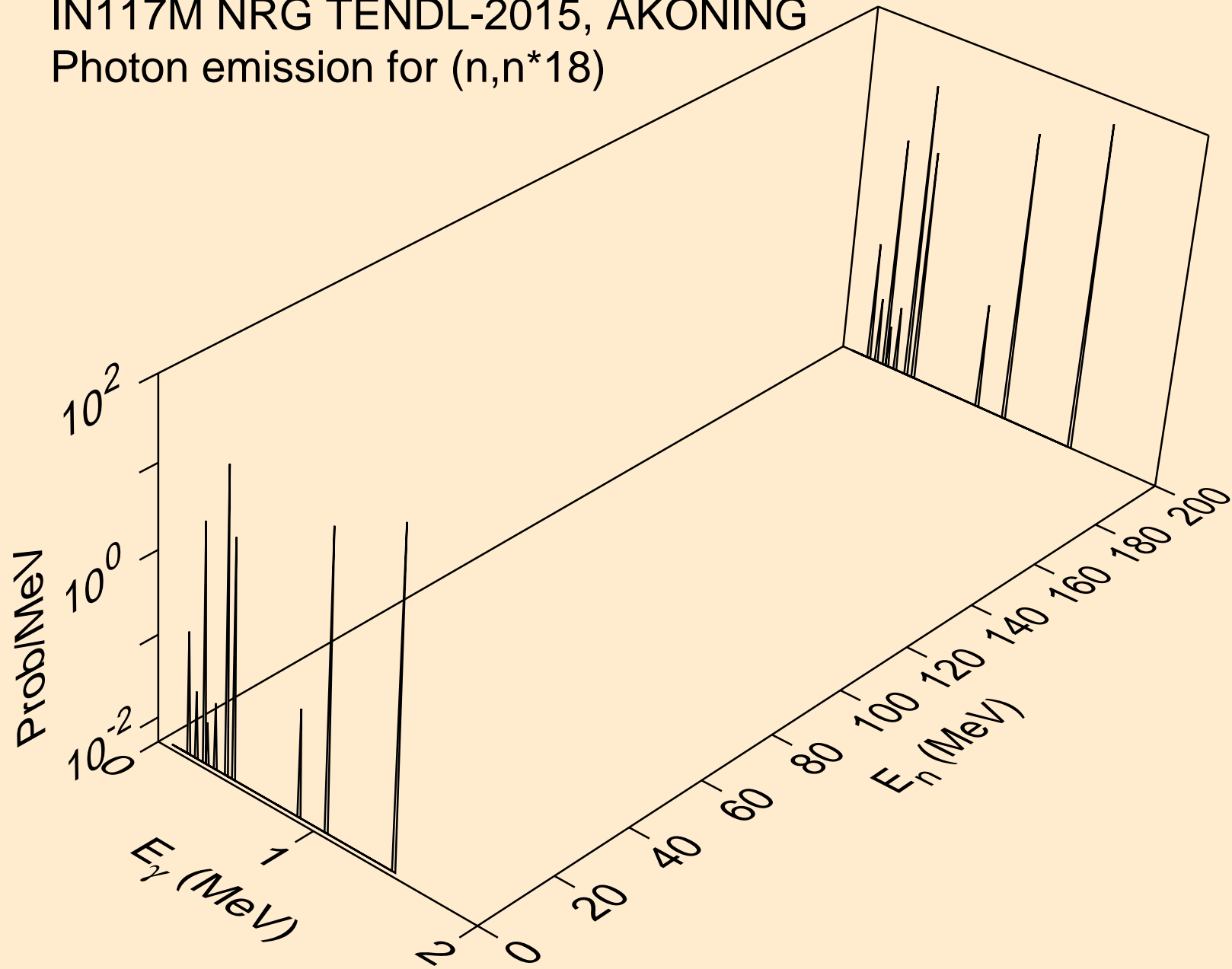




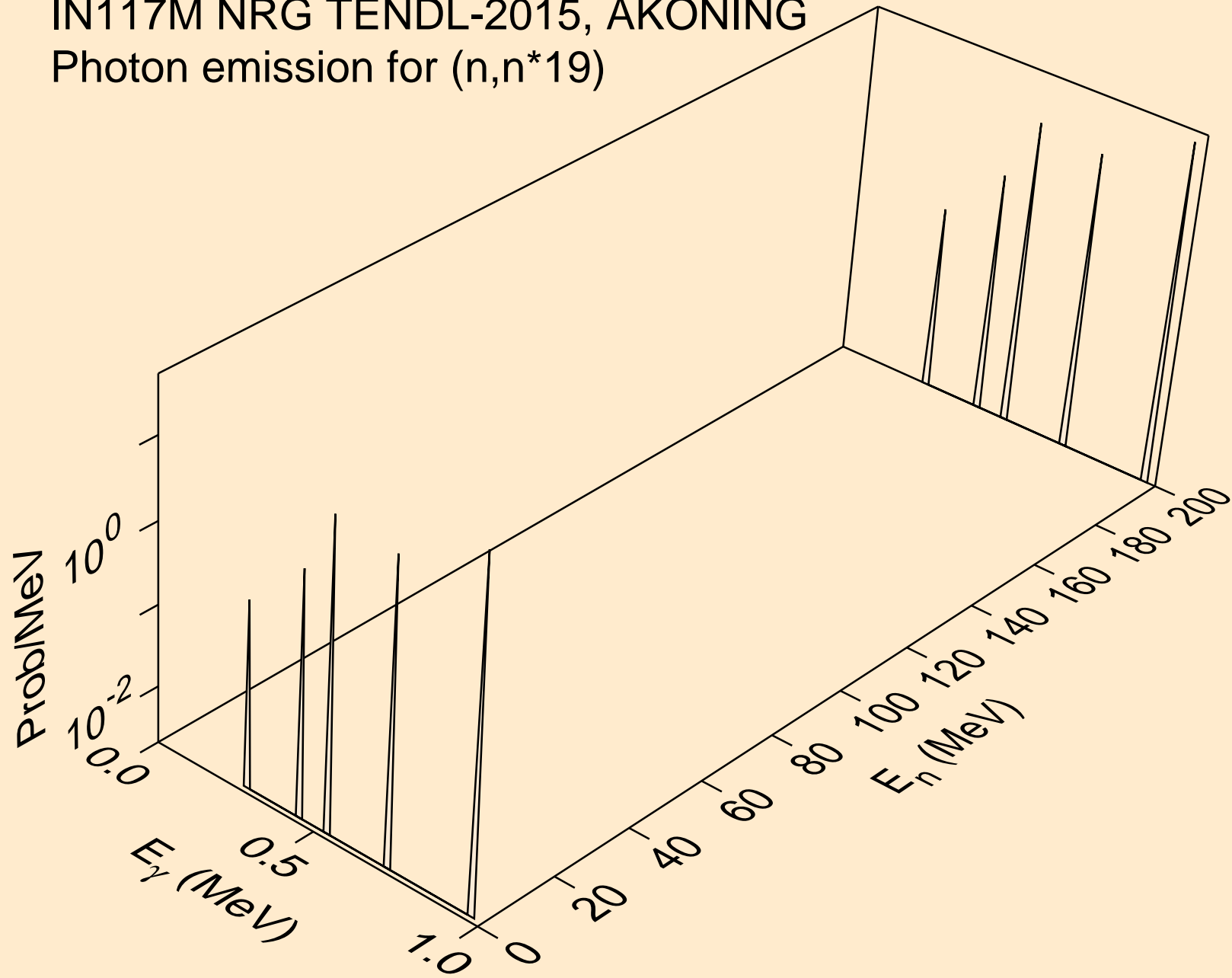
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Photon emission for (n,n\*17)



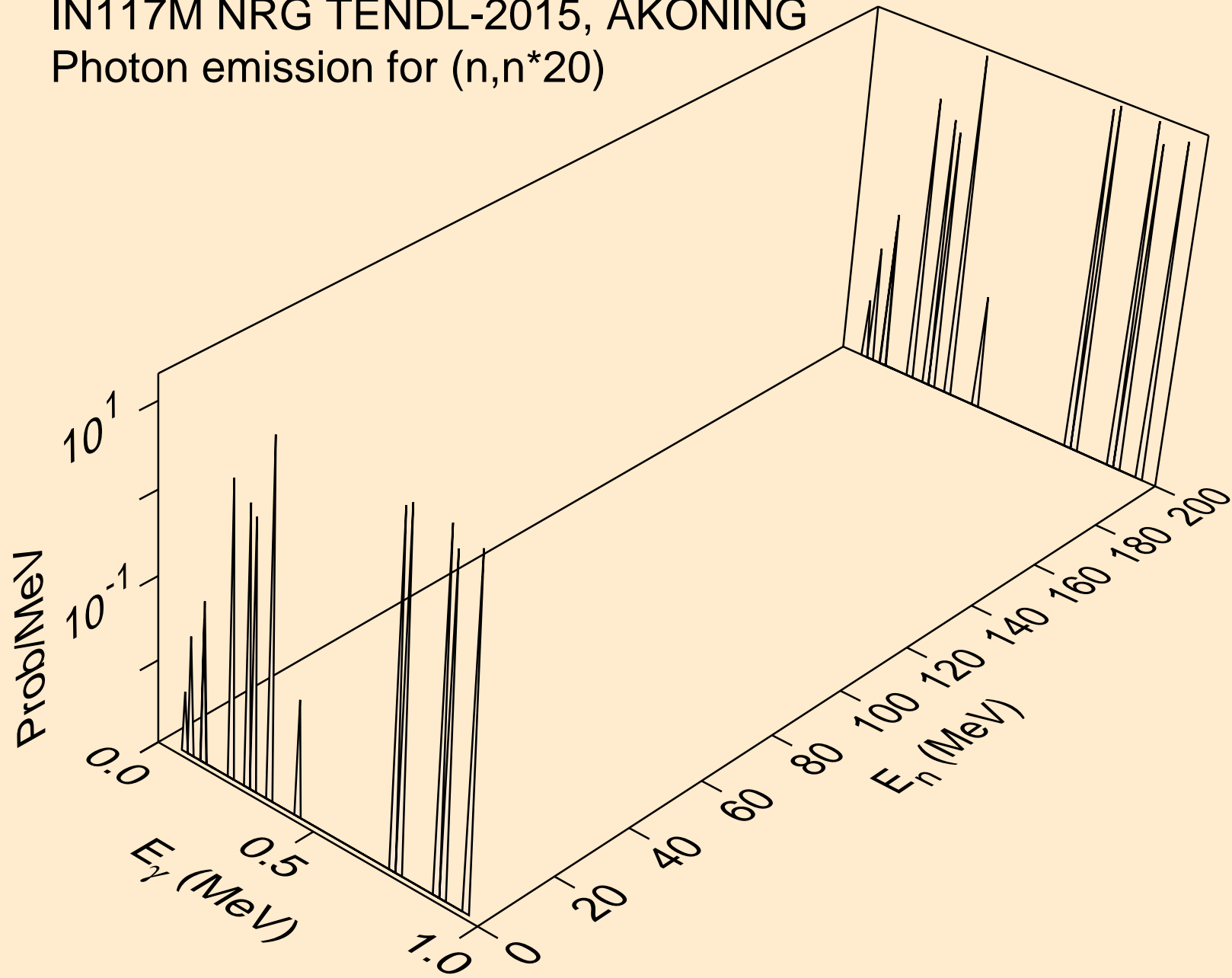
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Photon emission for (n,n\*18)



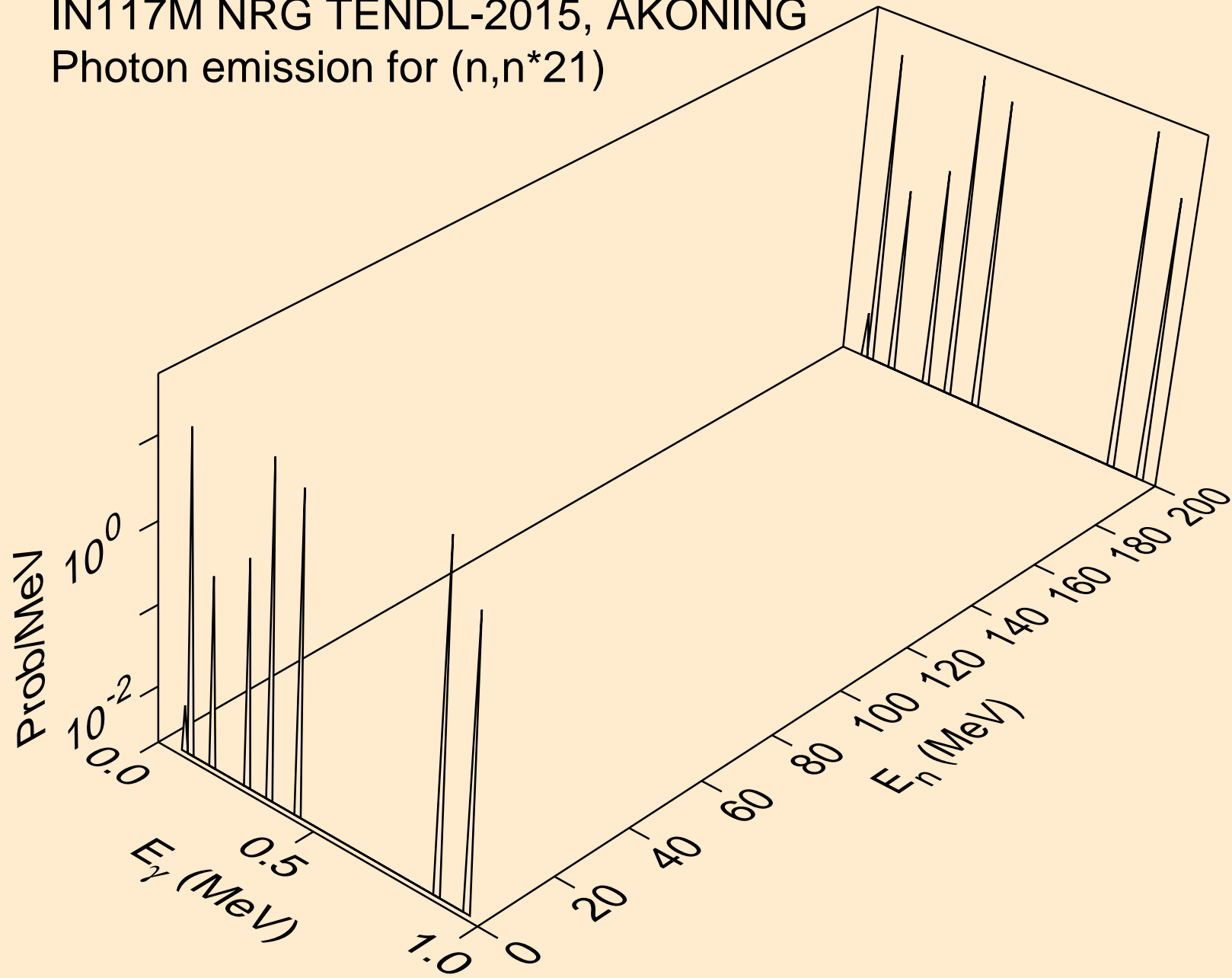
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Photon emission for (n,n\*19)



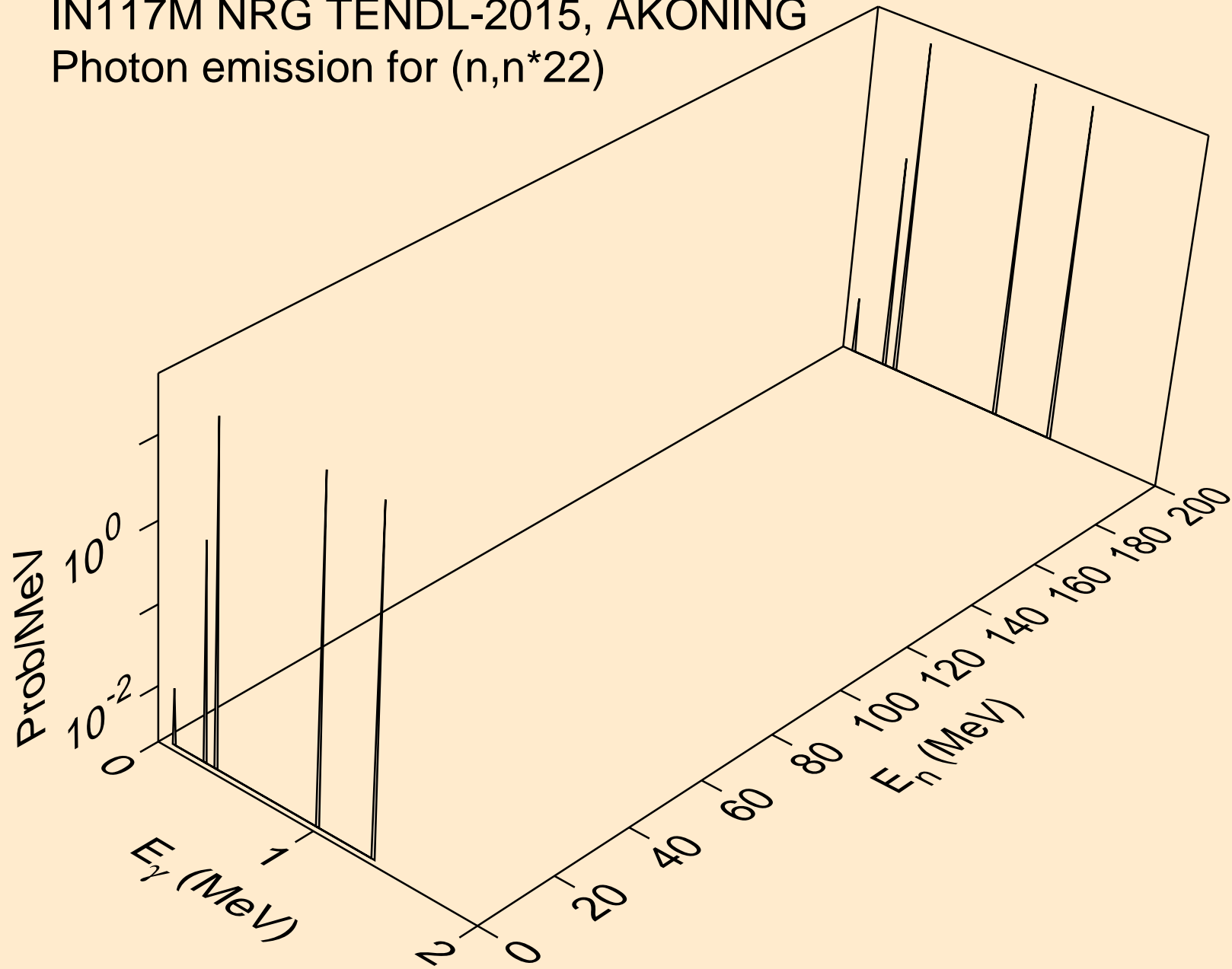
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Photon emission for (n,n\*20)



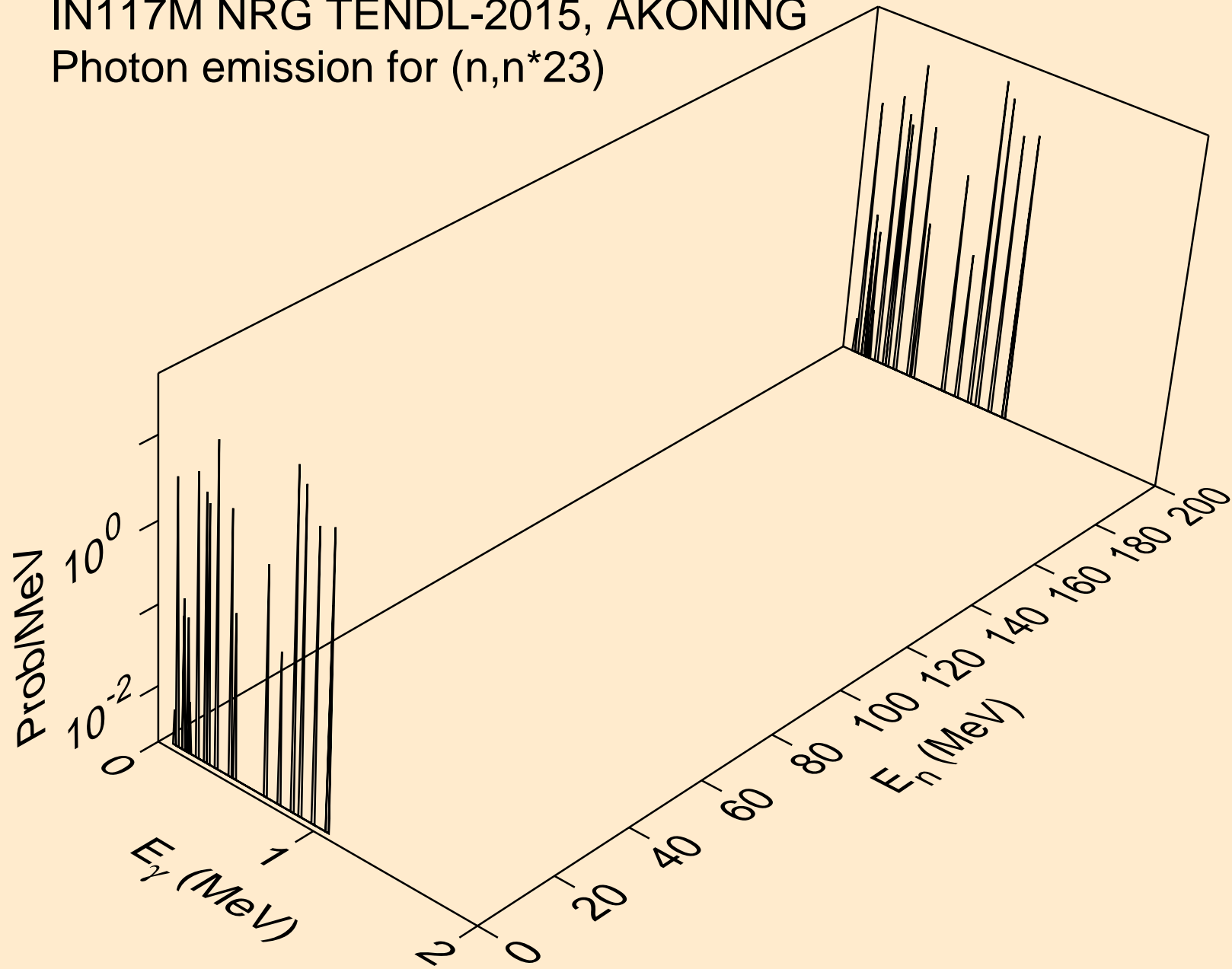
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Photon emission for (n,n\*21)



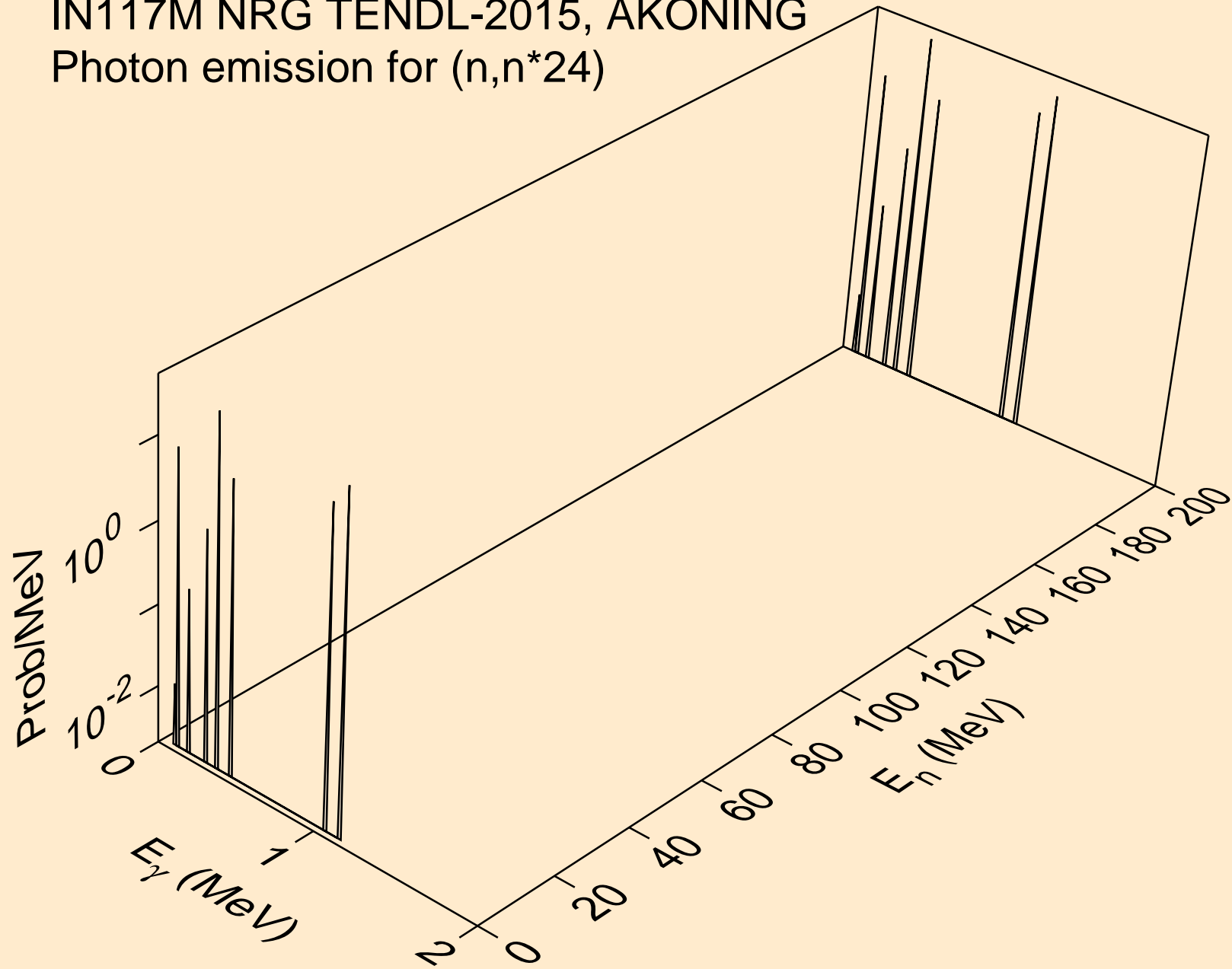
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Photon emission for (n,n\*22)



IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*23)

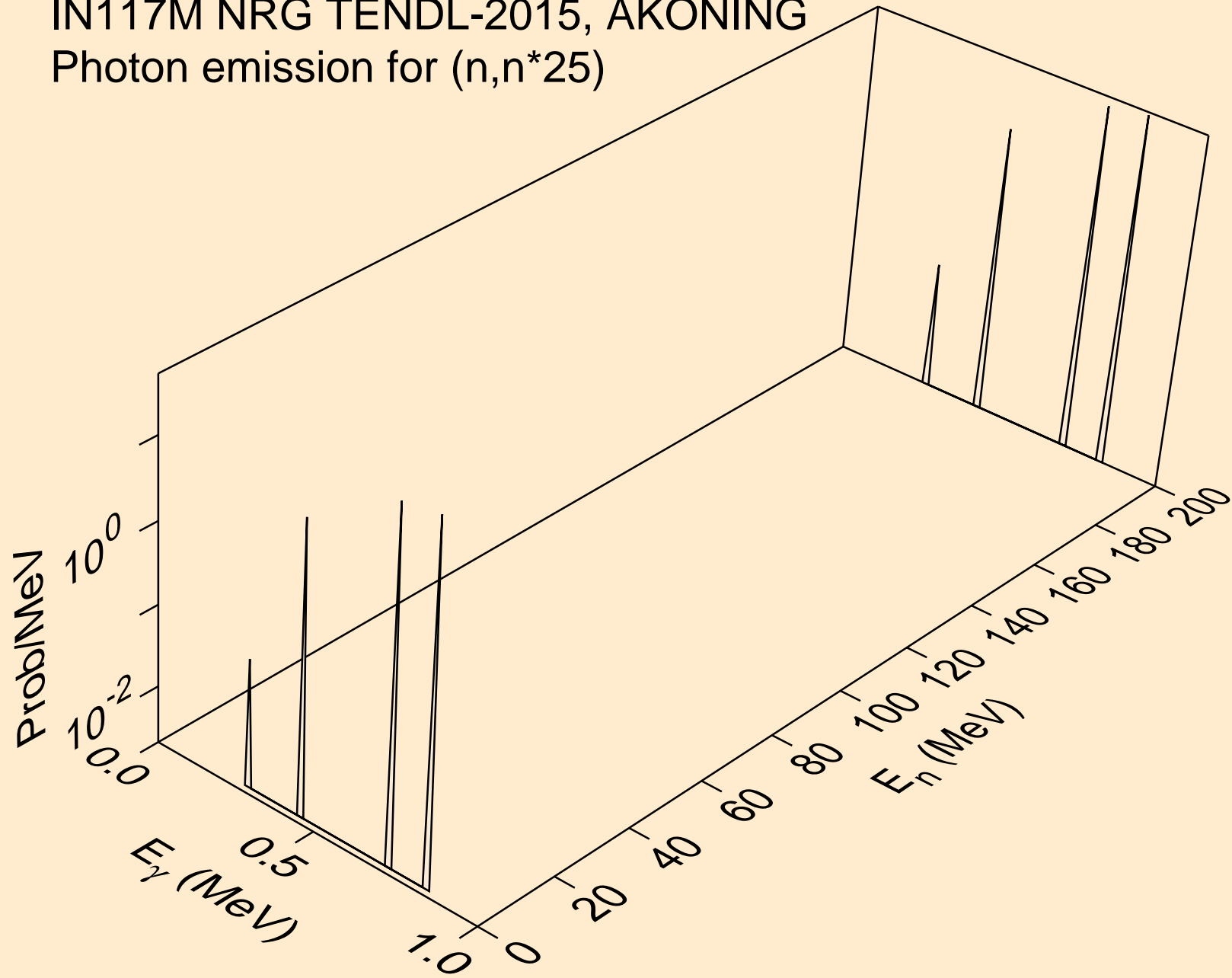


IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*24)

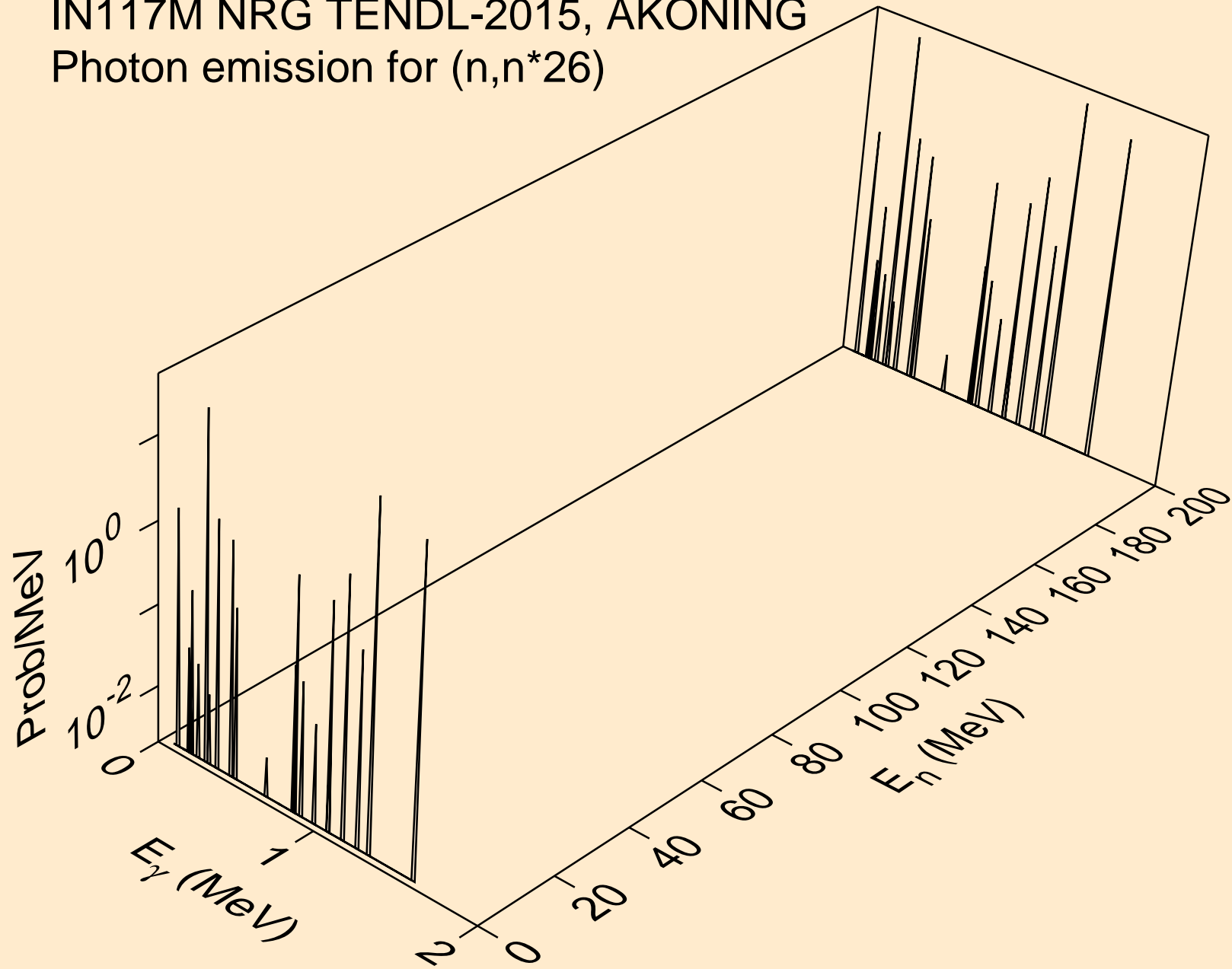




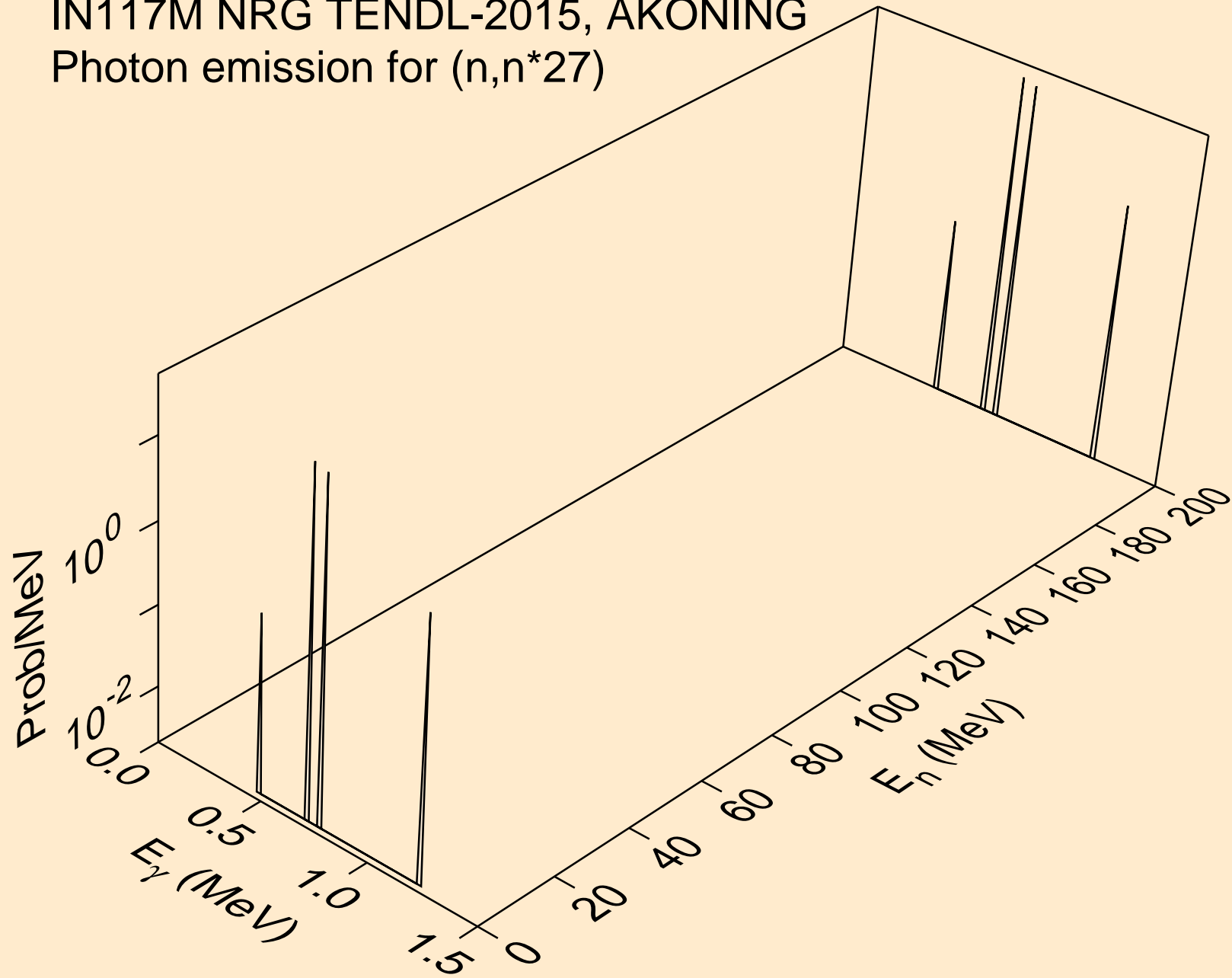
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Photon emission for (n,n\*25)



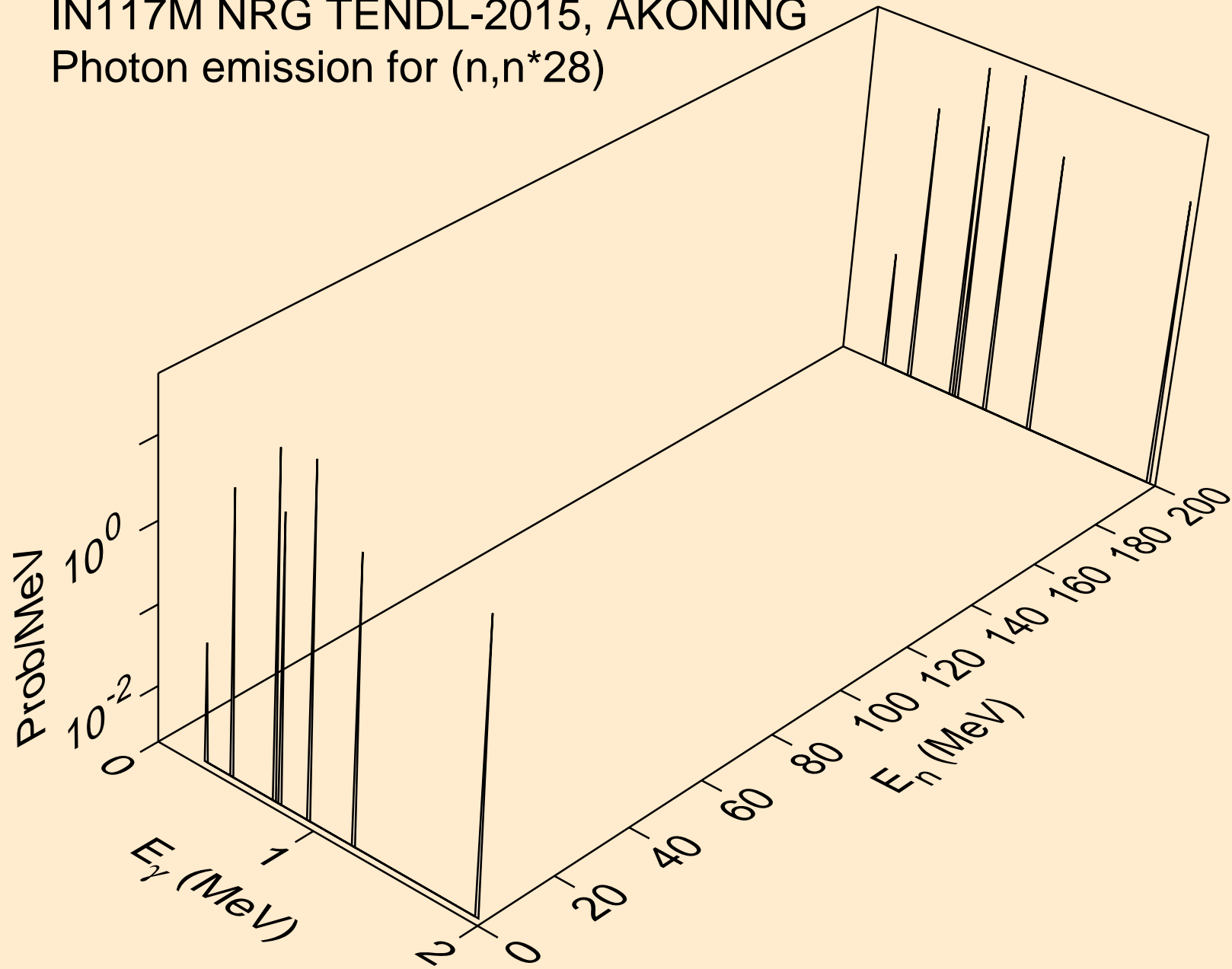
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Photon emission for (n,n\*26)



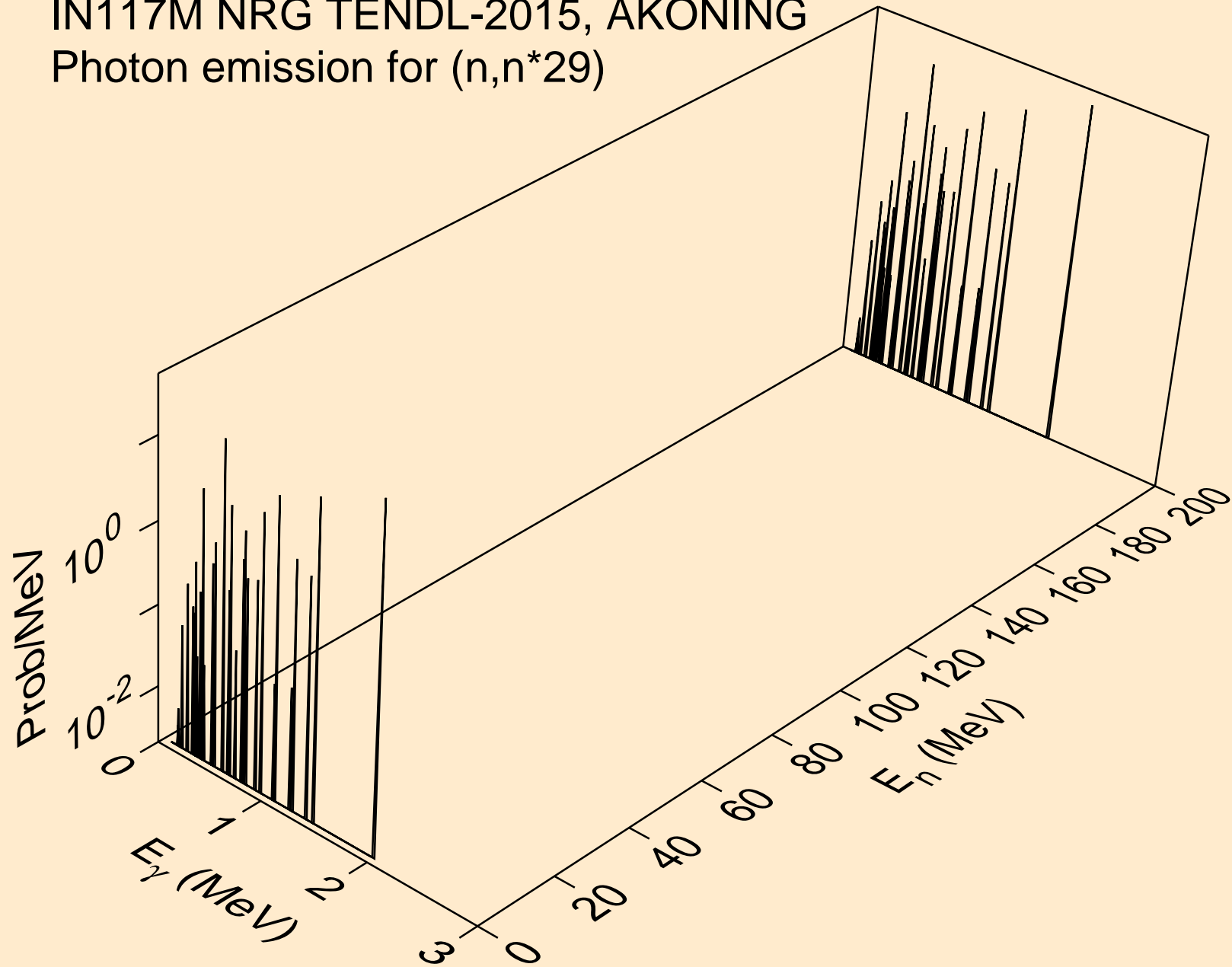
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Photon emission for (n,n\*27)



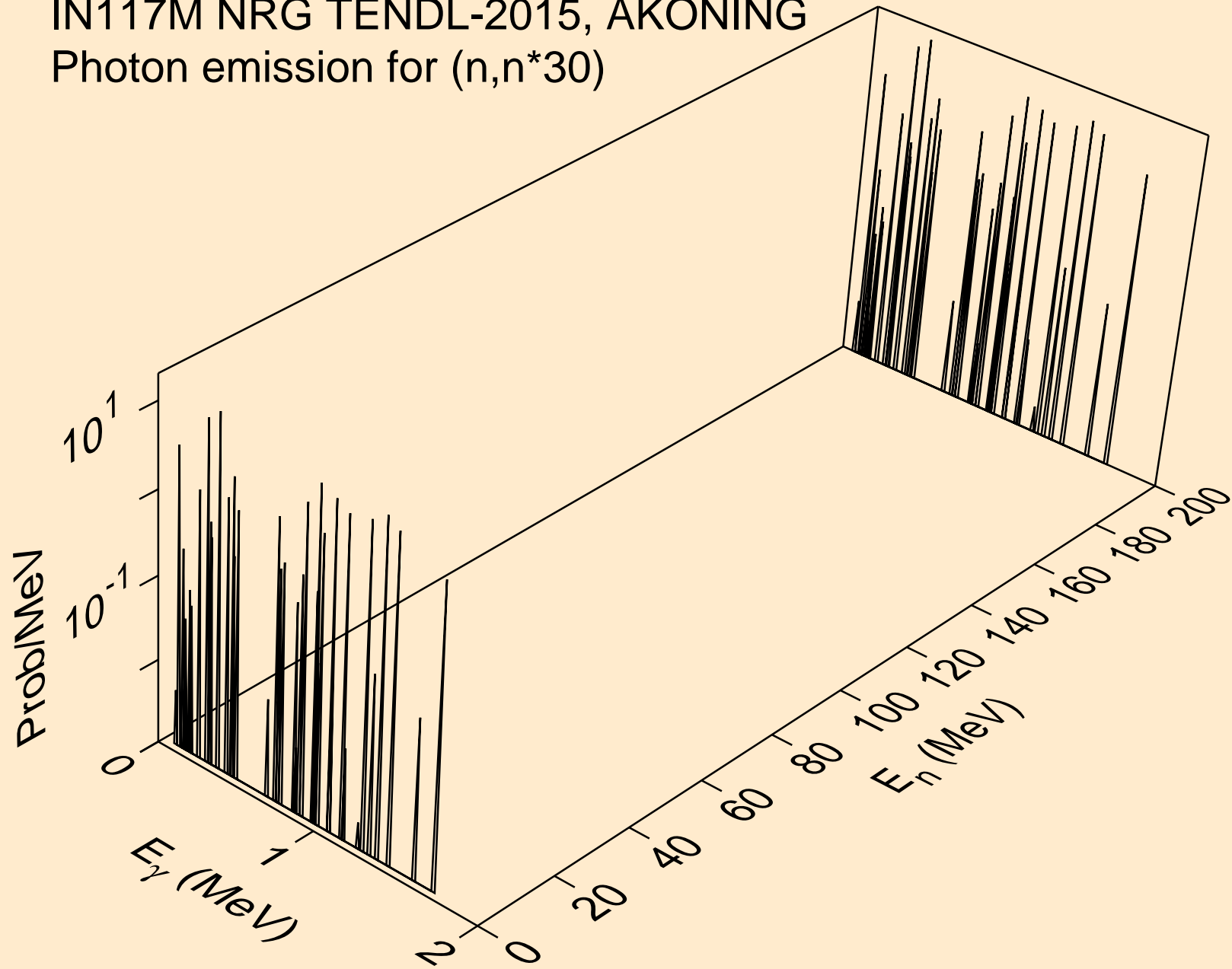
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Photon emission for (n,n\*28)



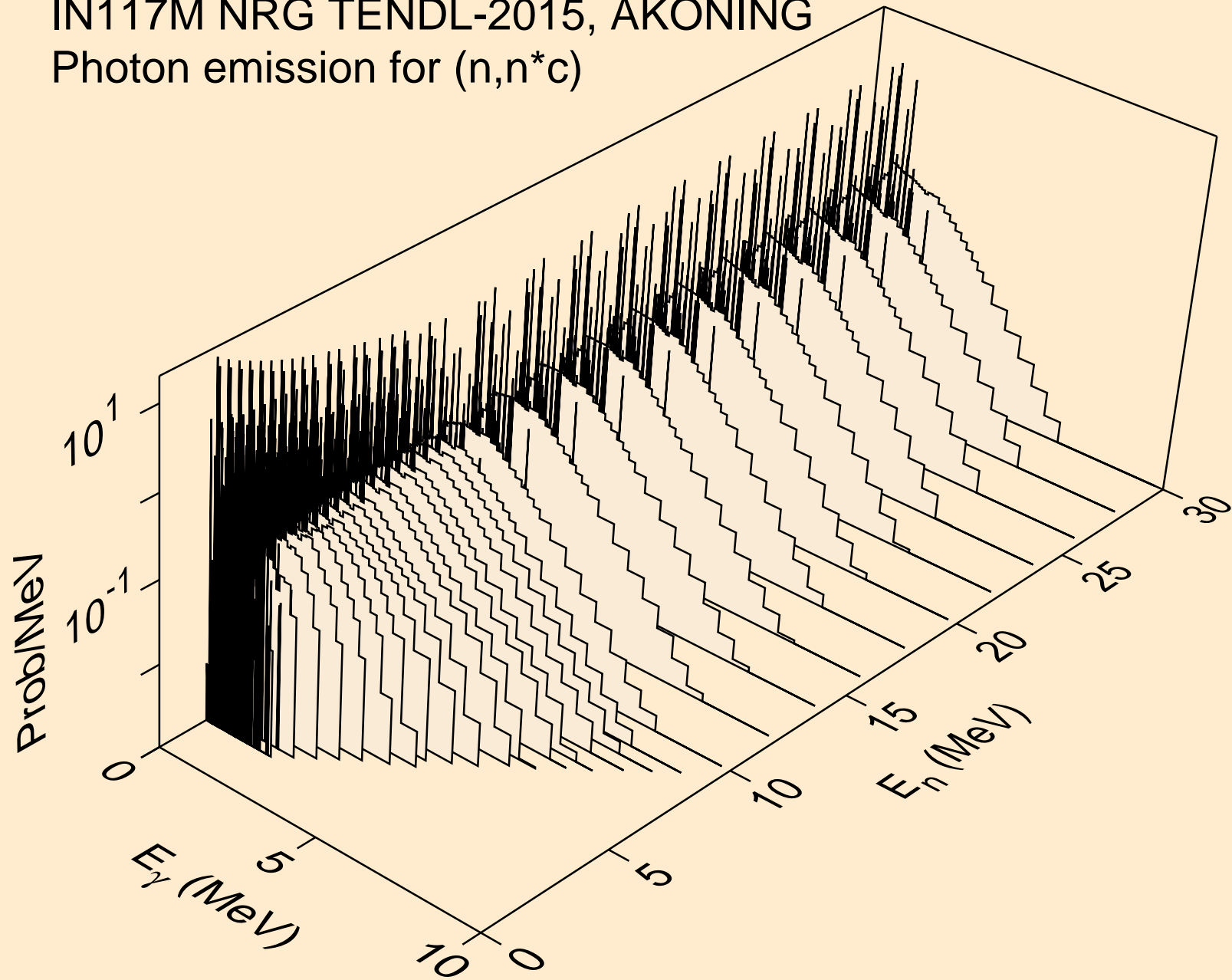
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Photon emission for (n,n\*29)



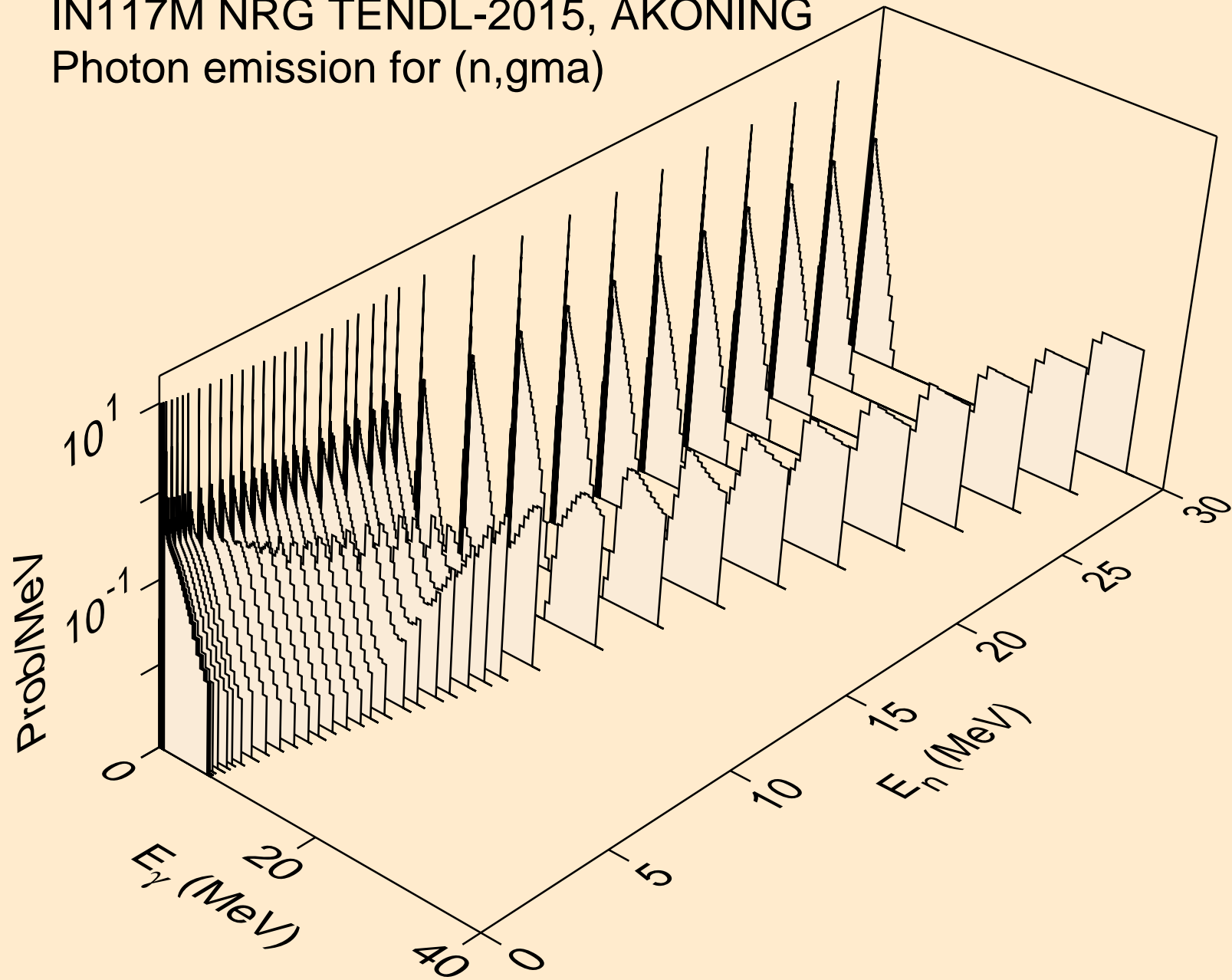
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Photon emission for (n,n\*30)



IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

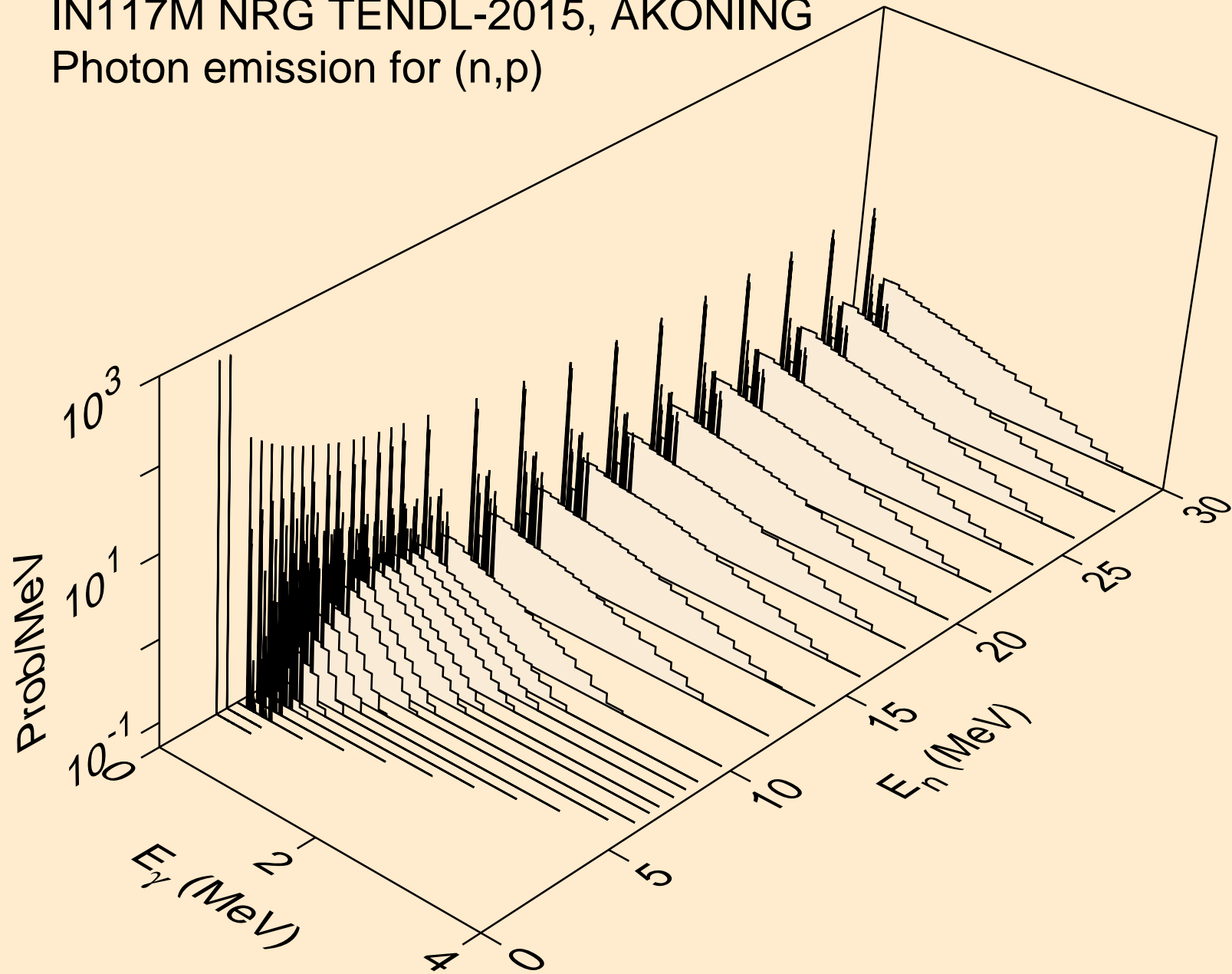


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Photon emission for (n,gma)

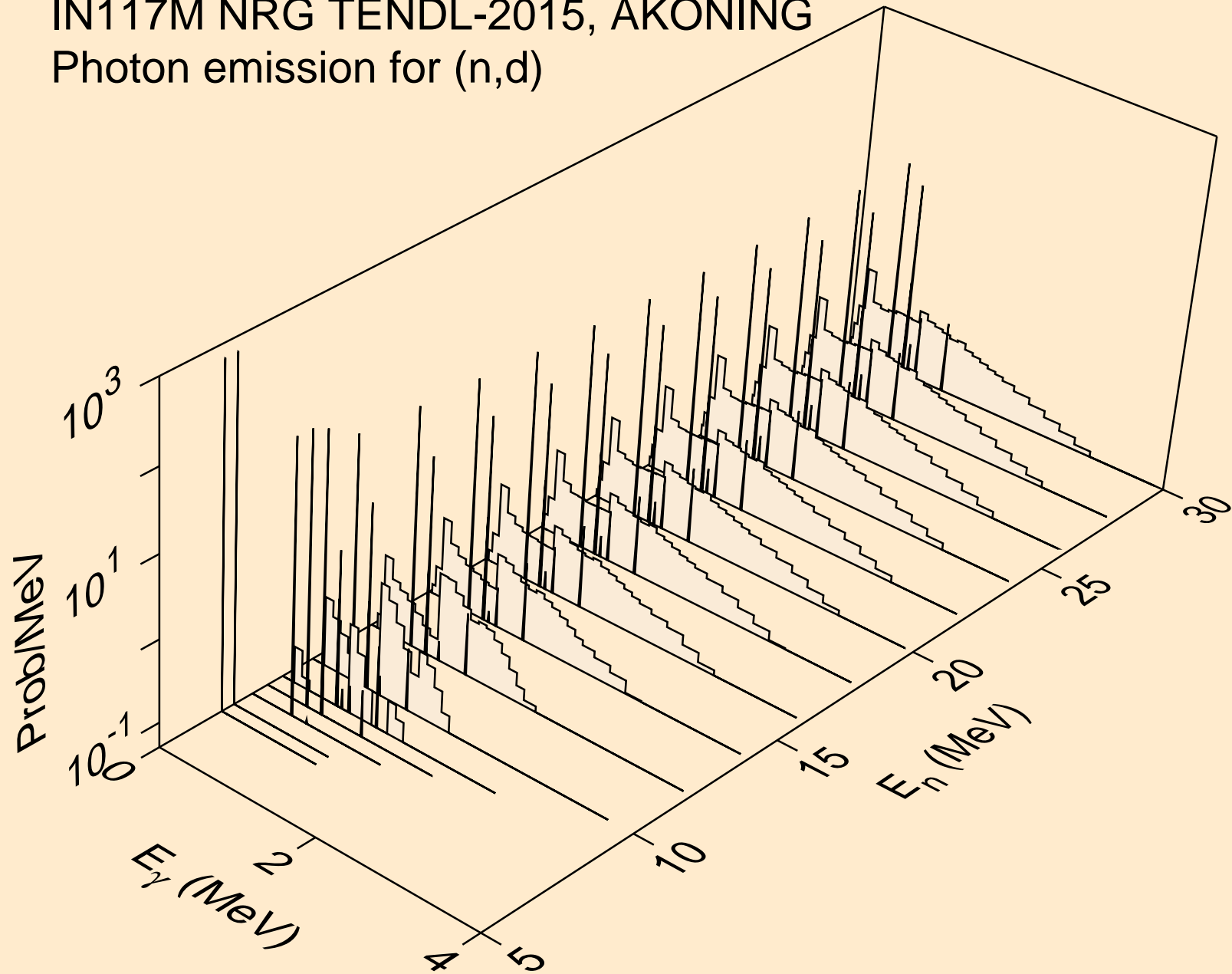




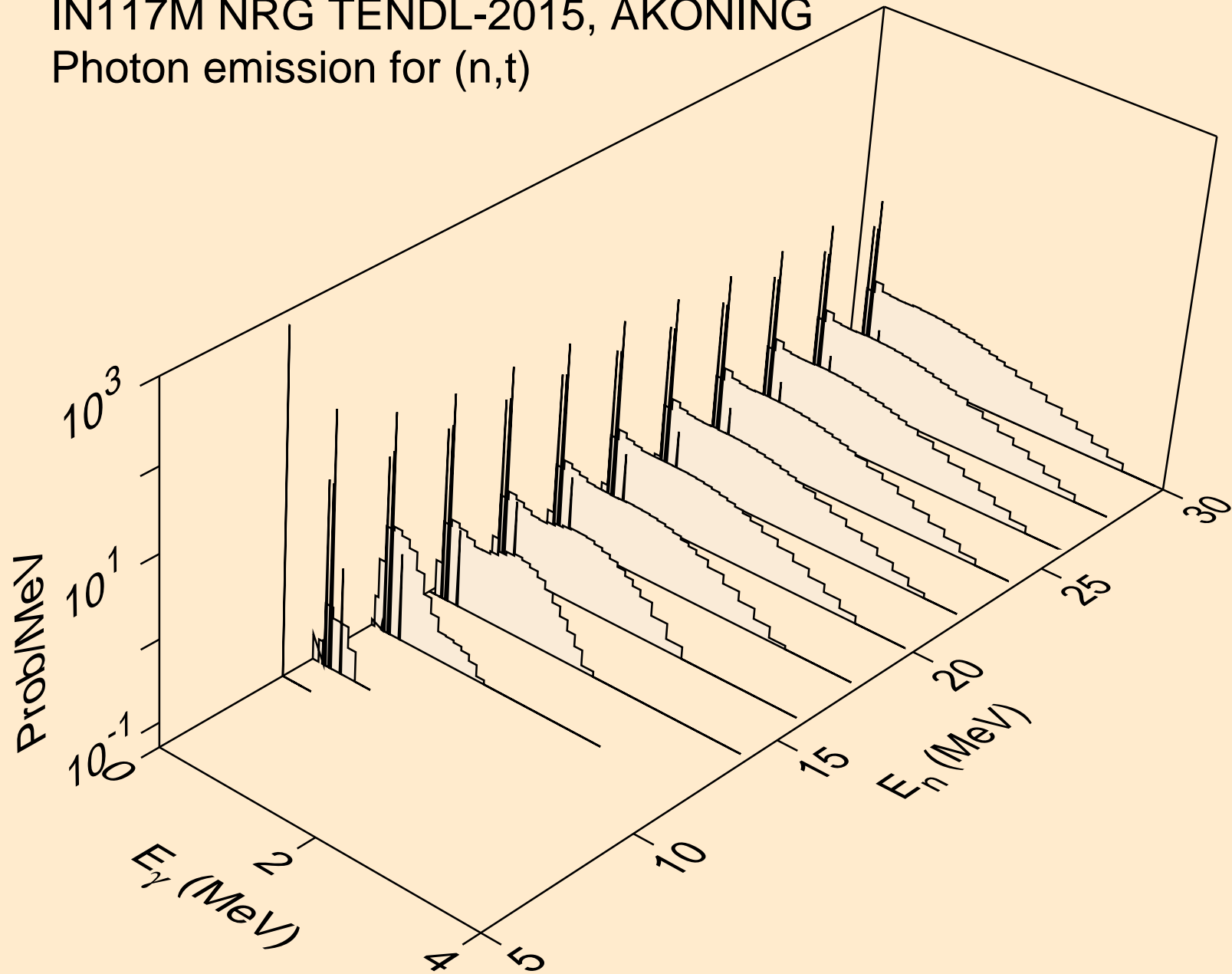
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,p)



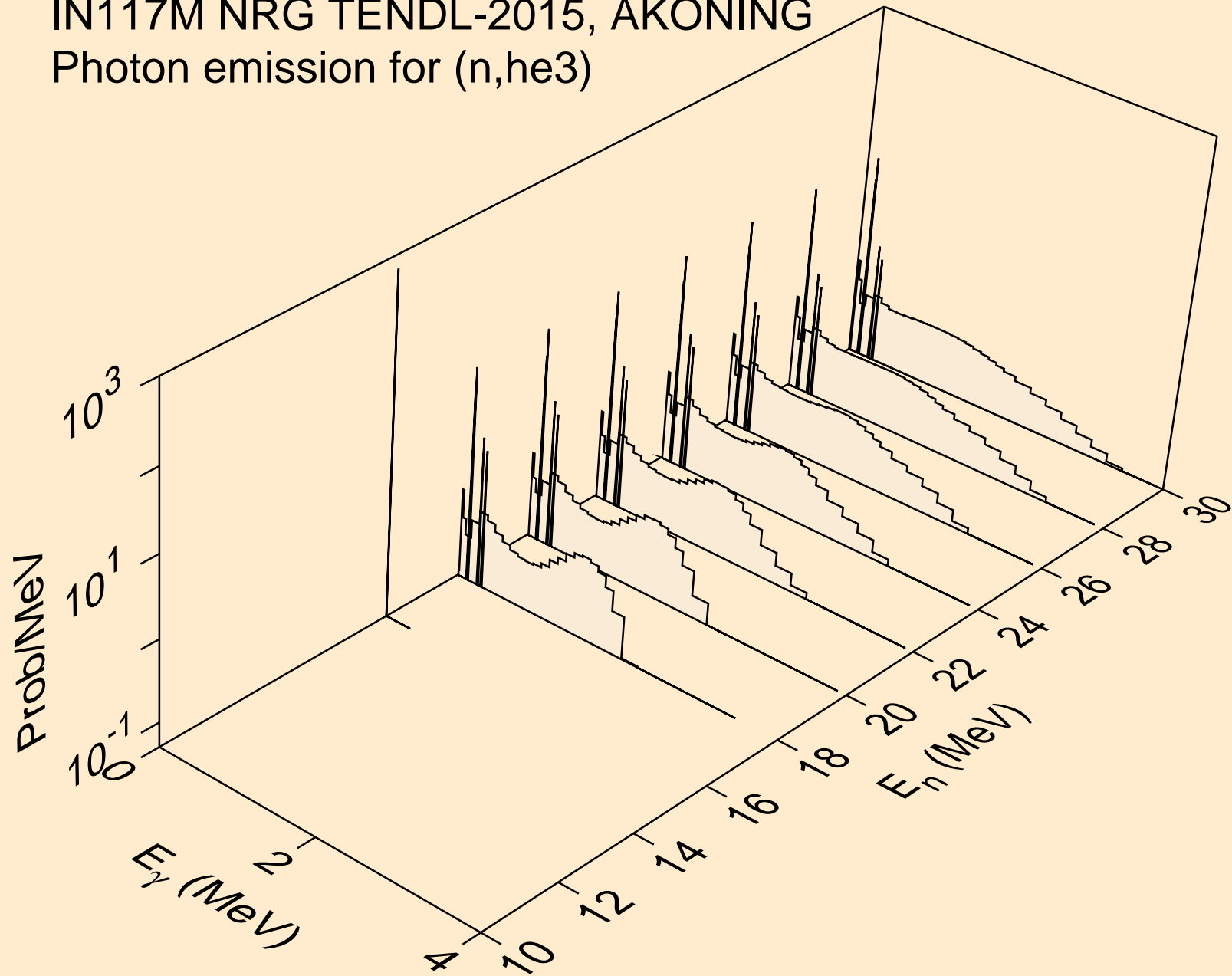
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Photon emission for (n,d)



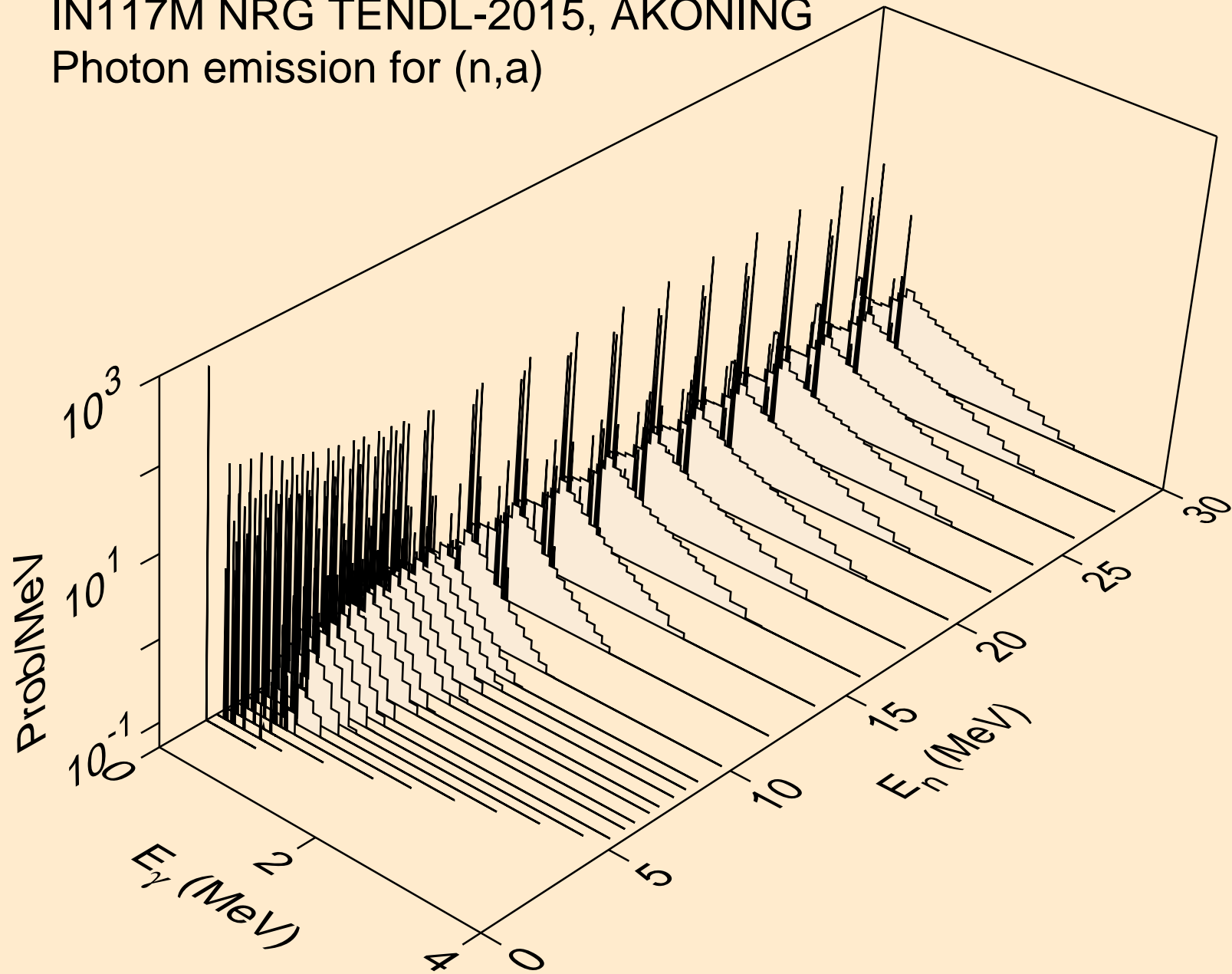
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Photon emission for (n,t)



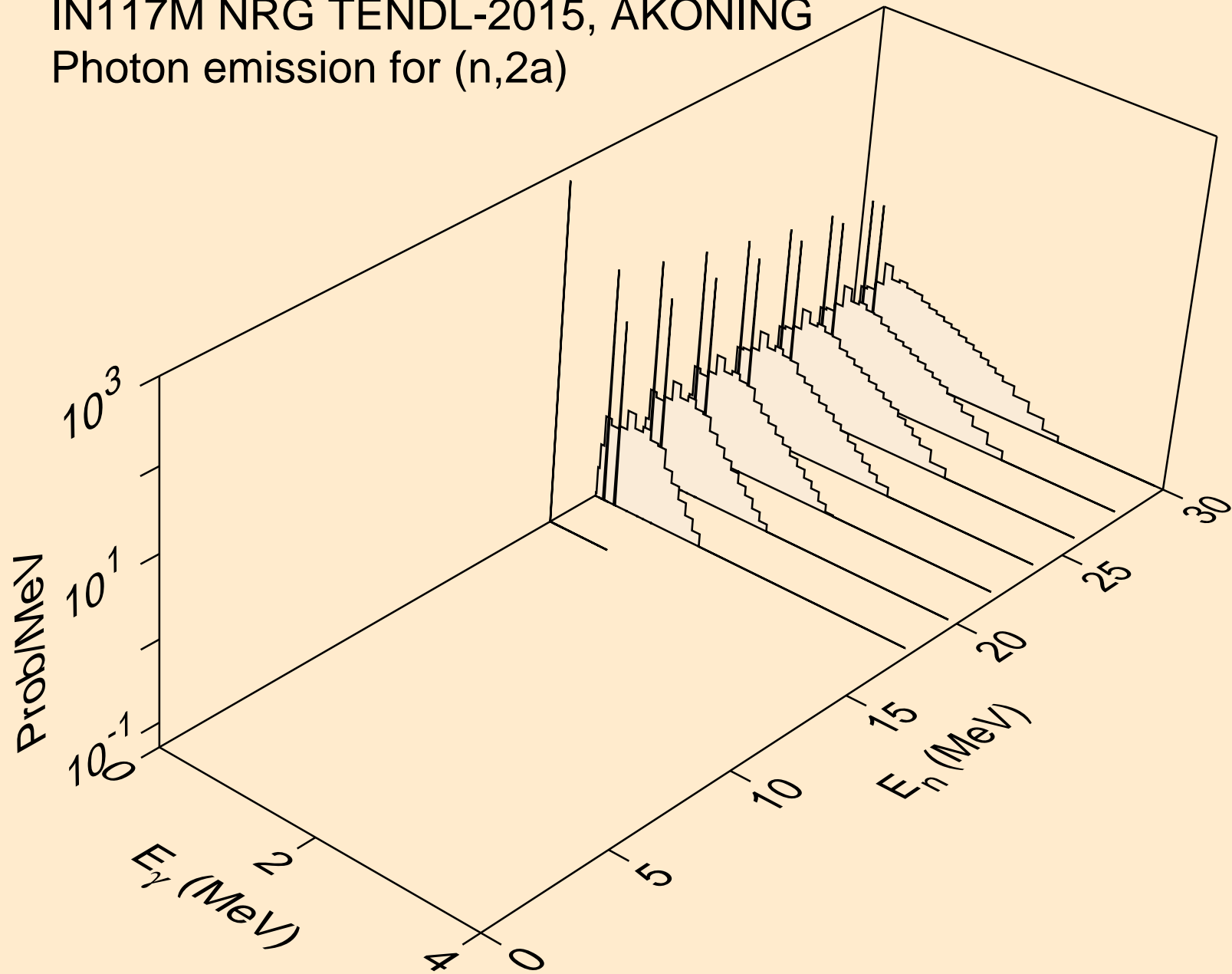
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Photon emission for (n,he3)



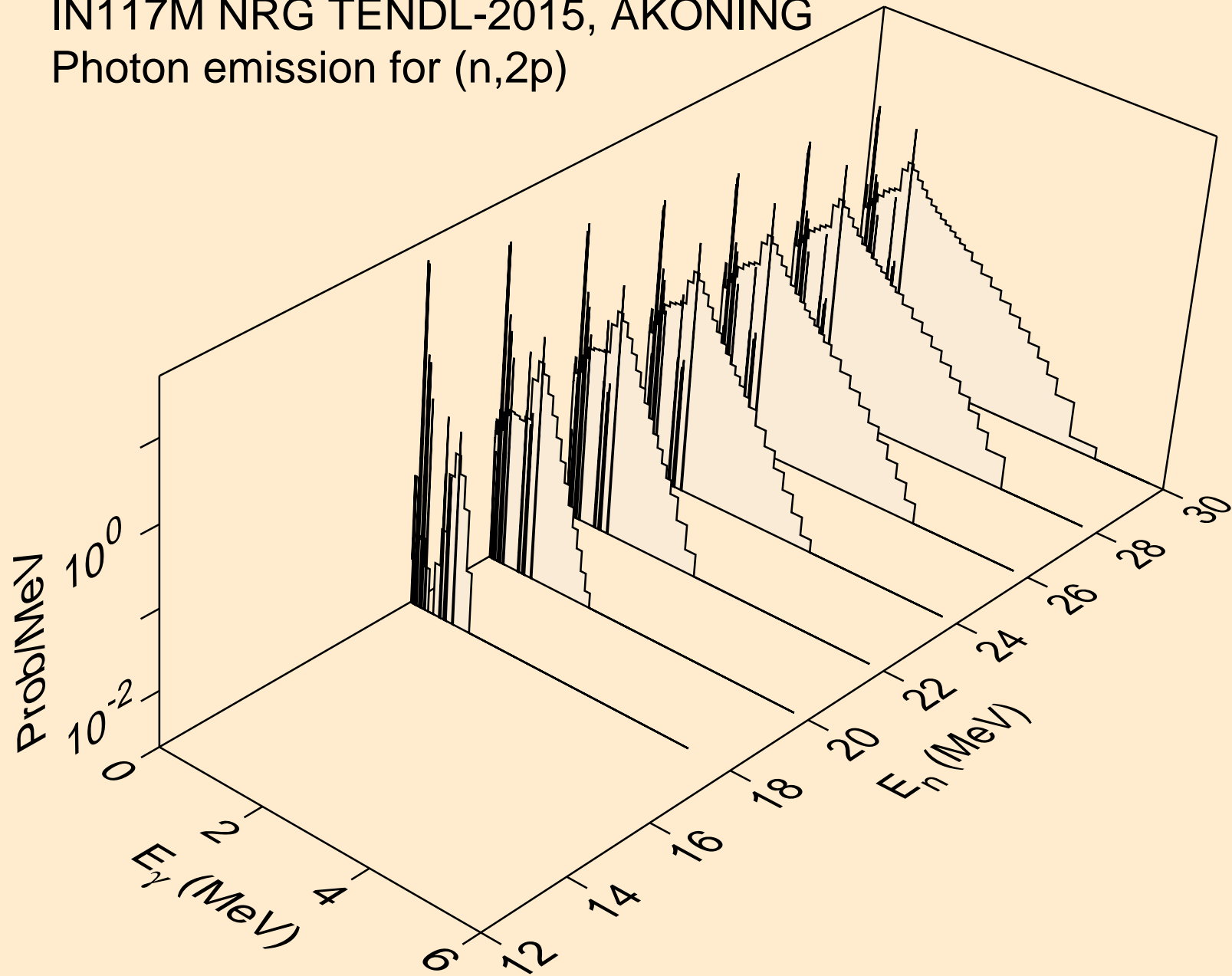
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Photon emission for (n,a)



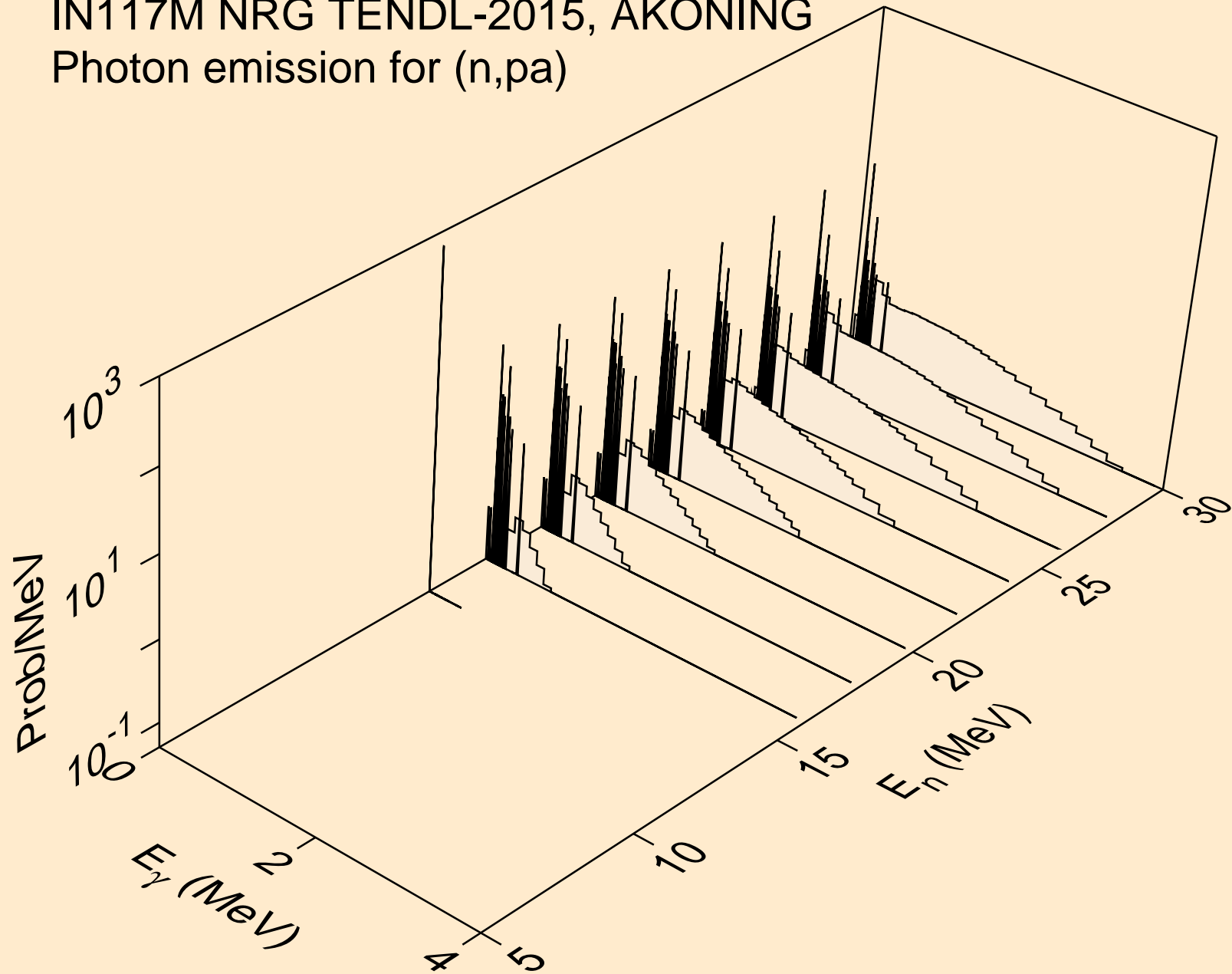
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Photon emission for (n,2a)



IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

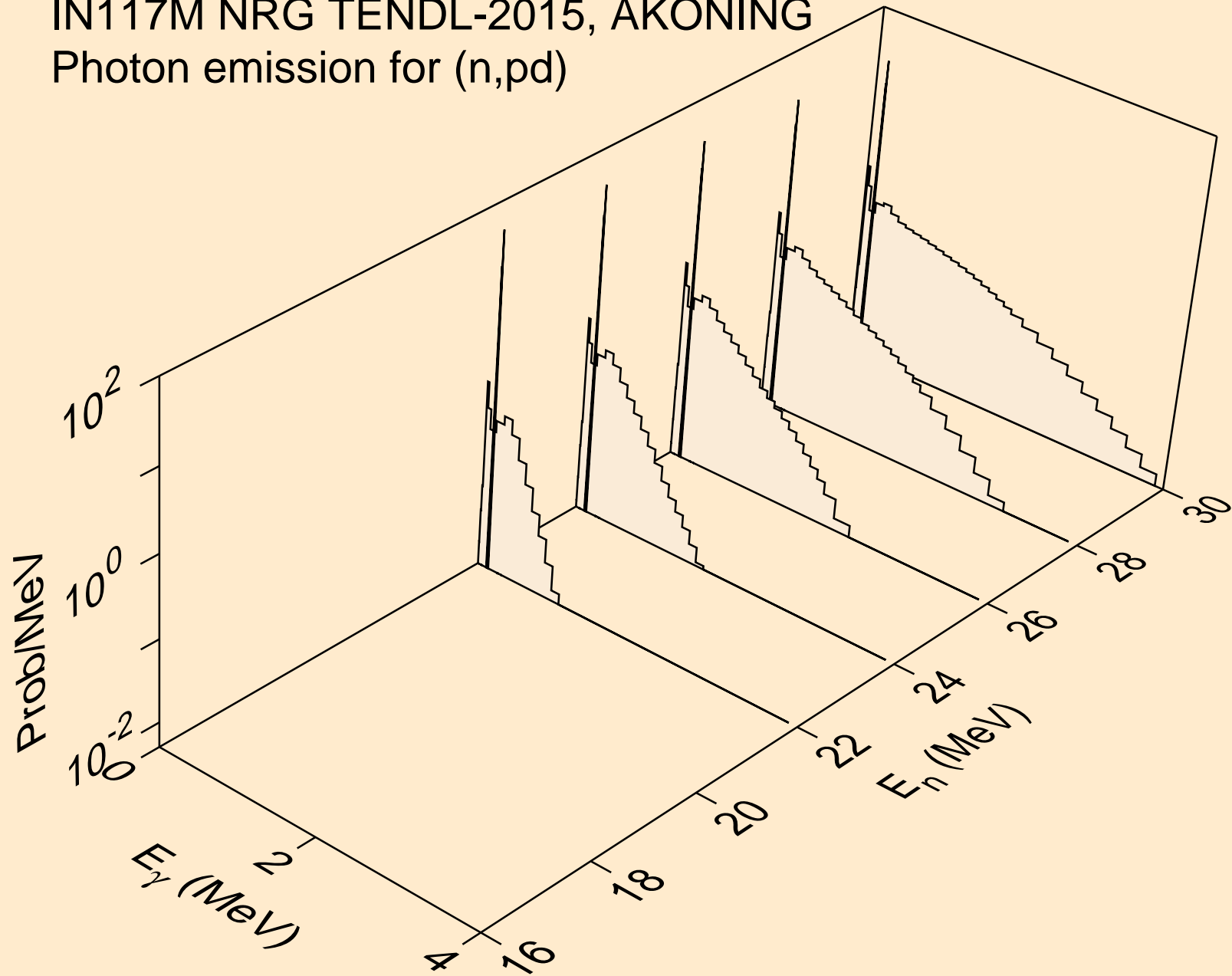


IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

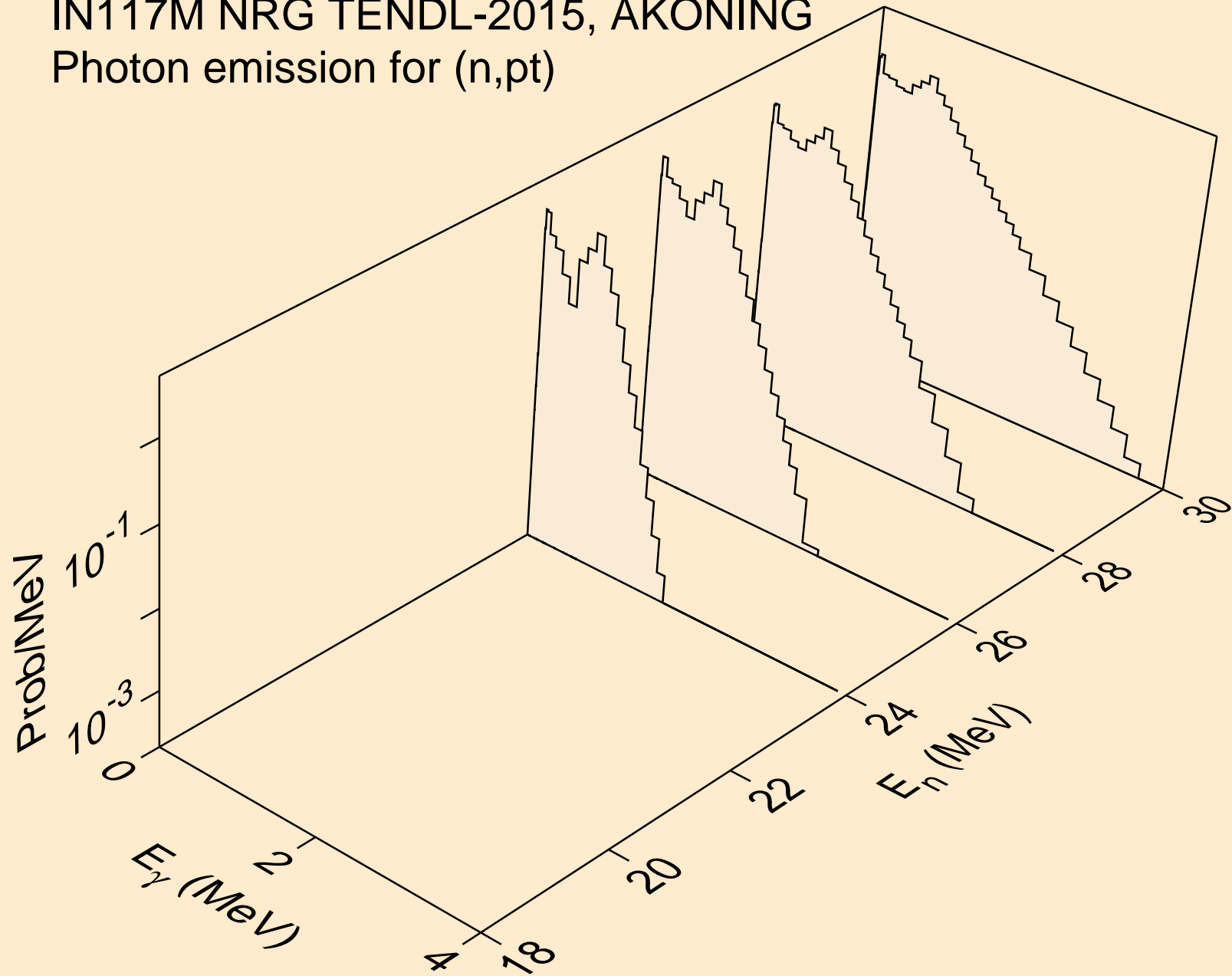




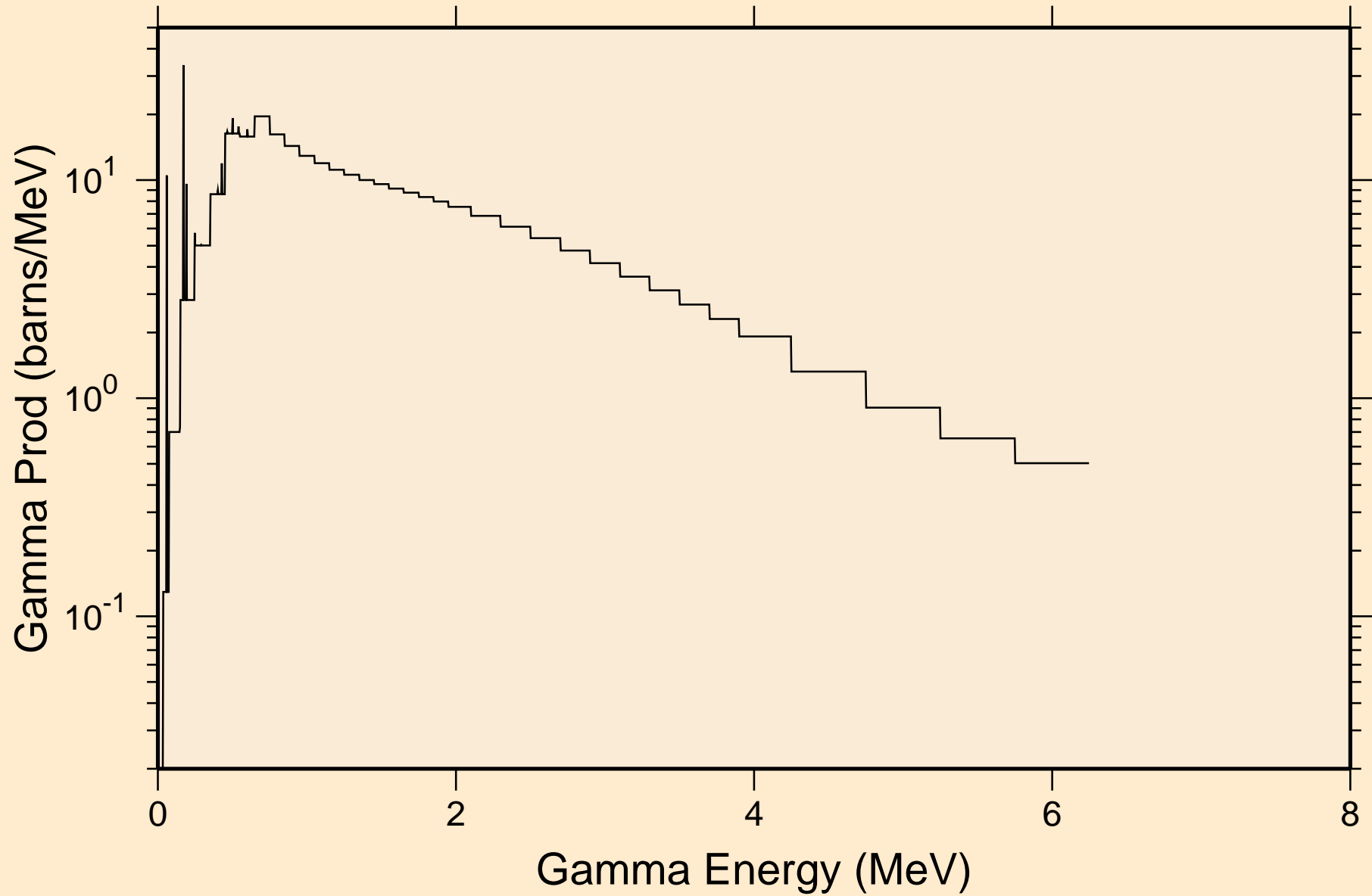
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Photon emission for (n,pd)



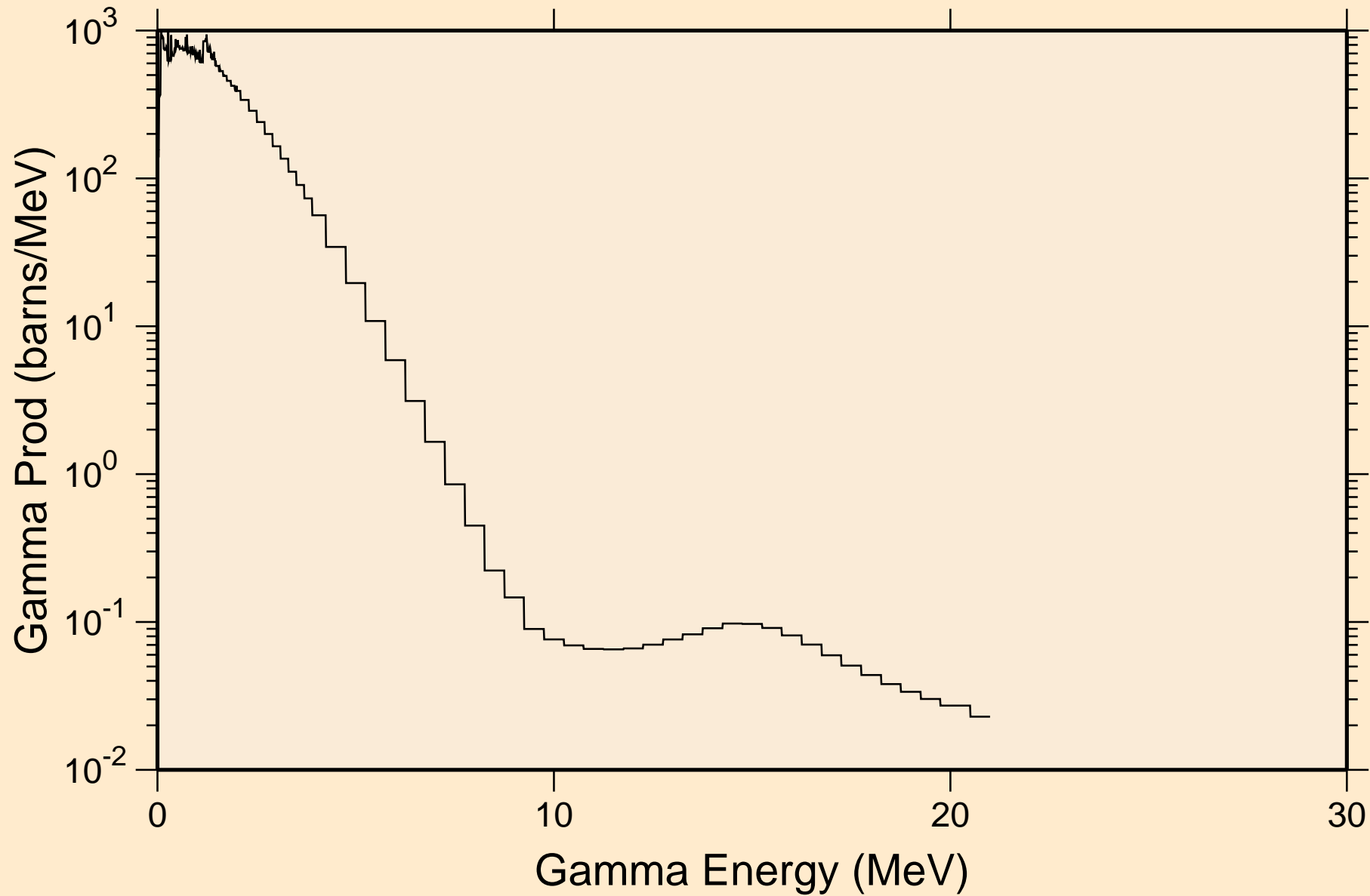
IN117M NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



IN117M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

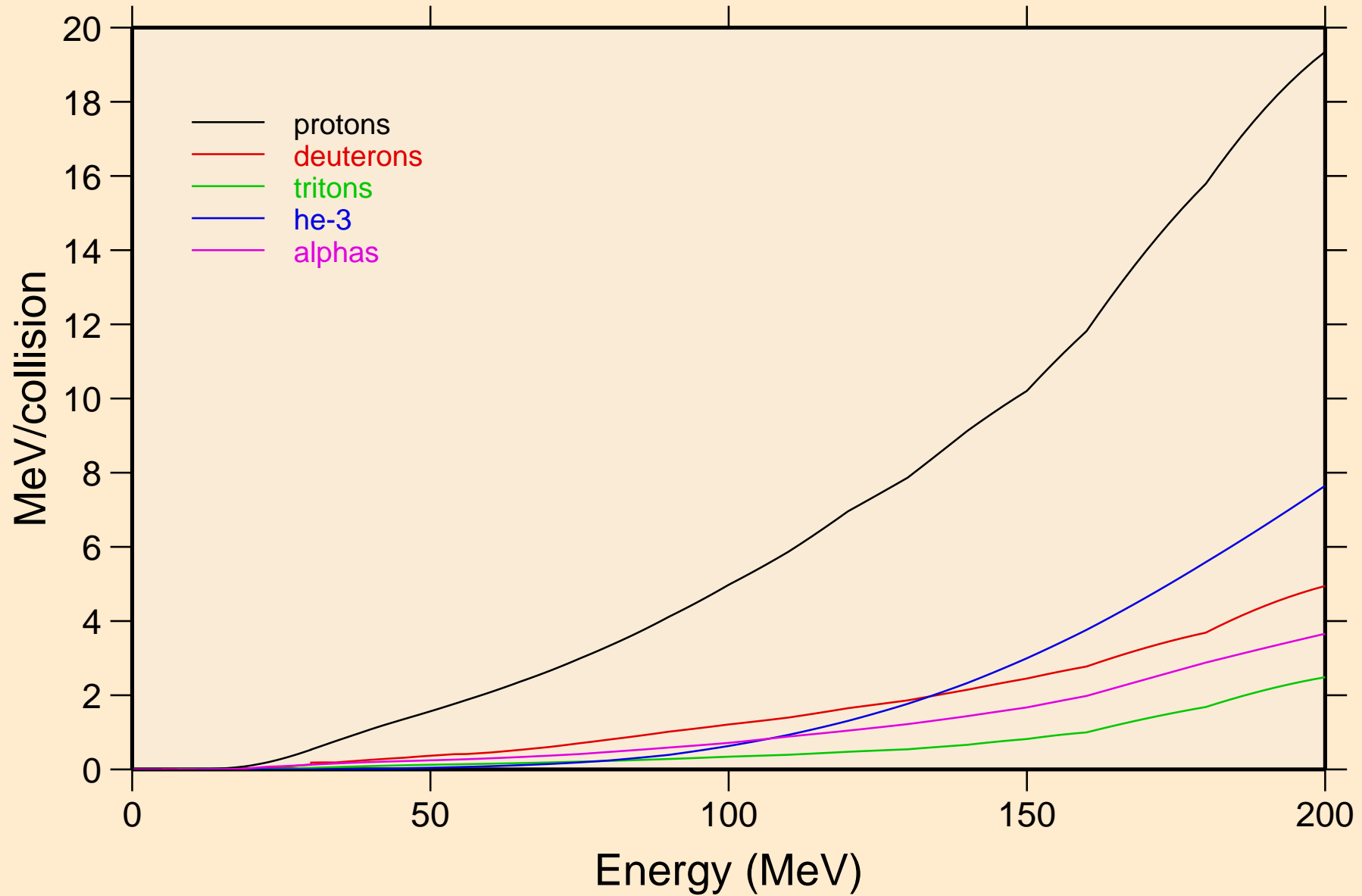


IN117M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



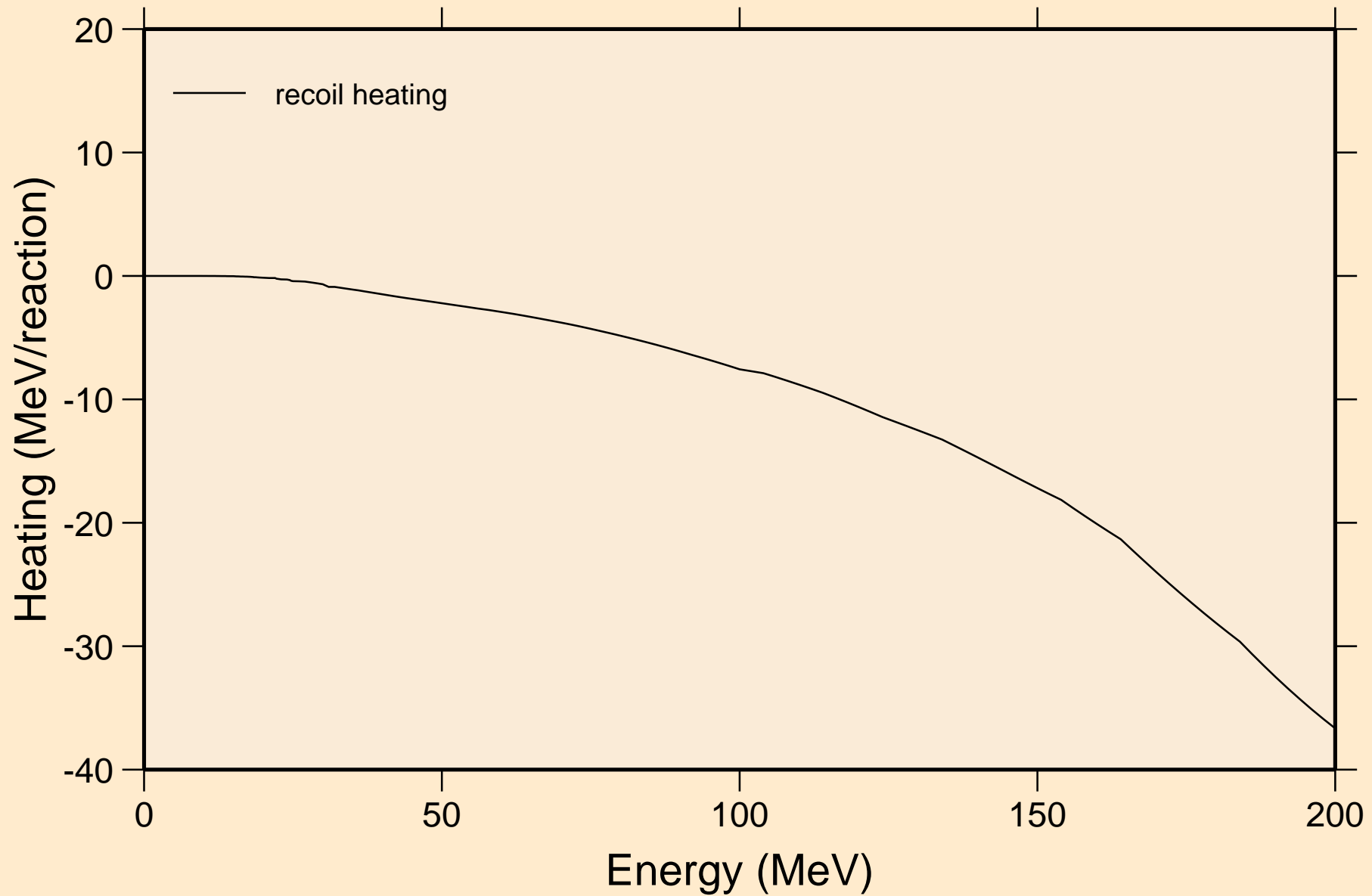
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## Particle heating contributions



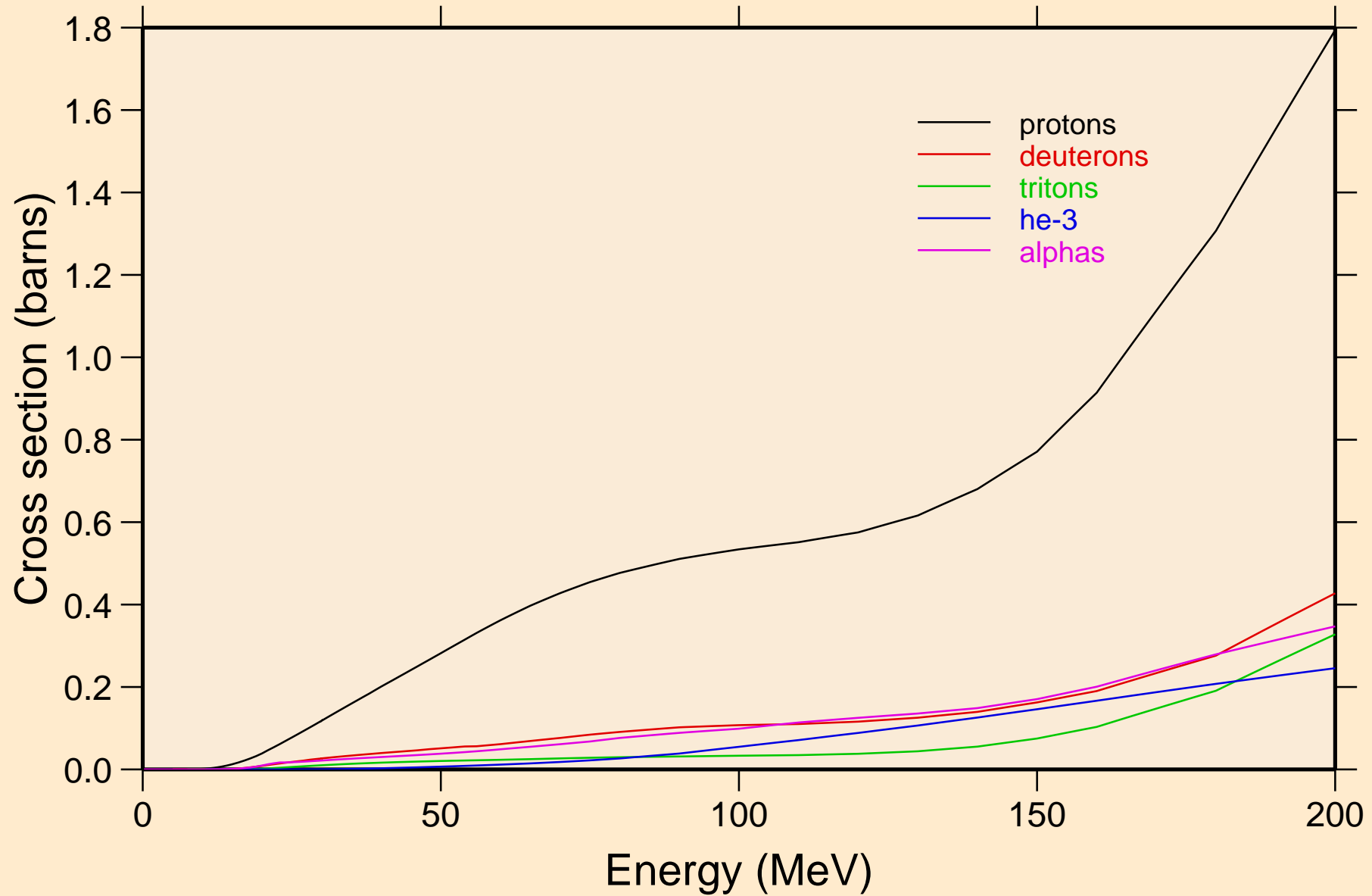
# IN117M NRG TENDL-2015, AKONING

## Recoil Heating

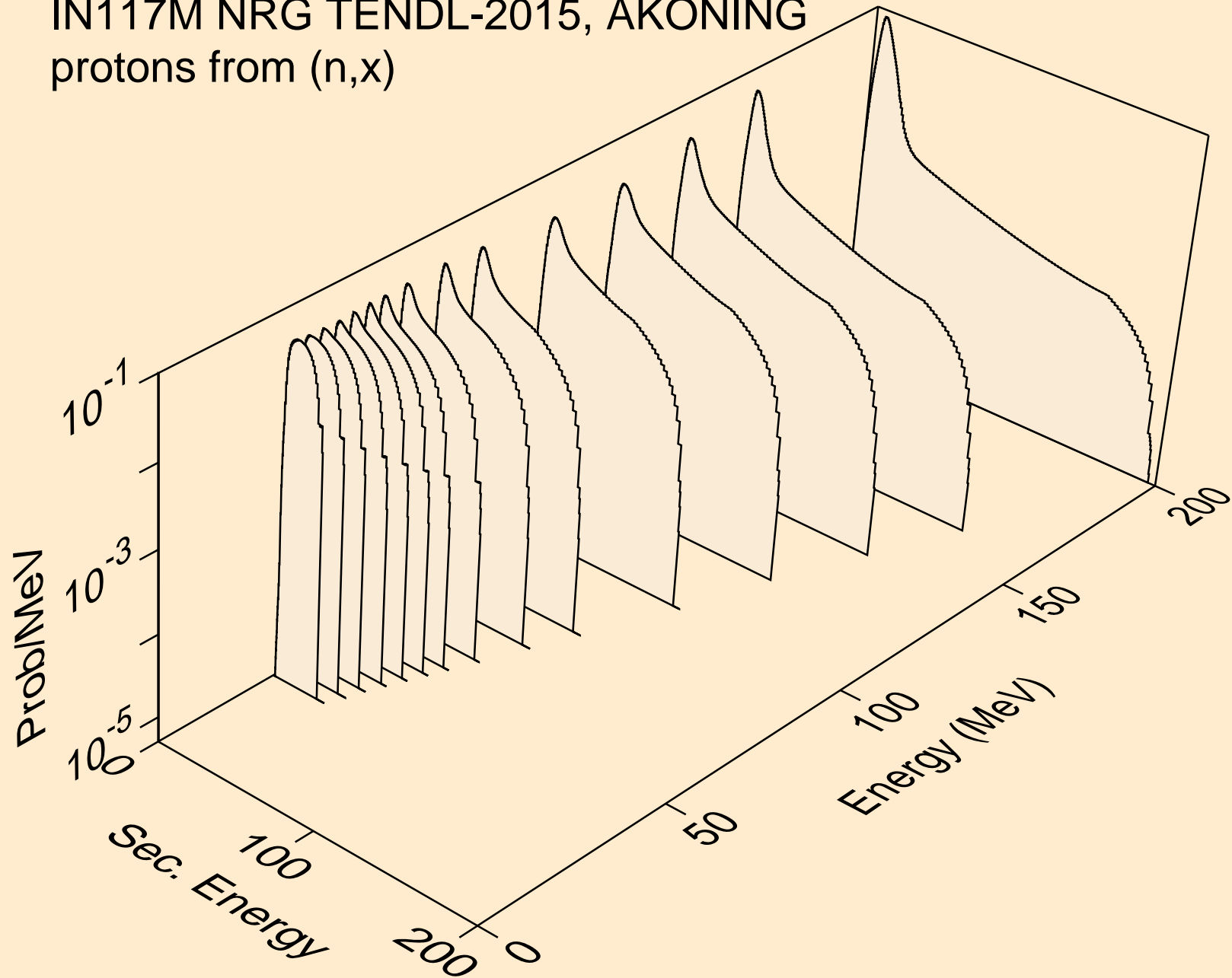


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## Particle production cross sections

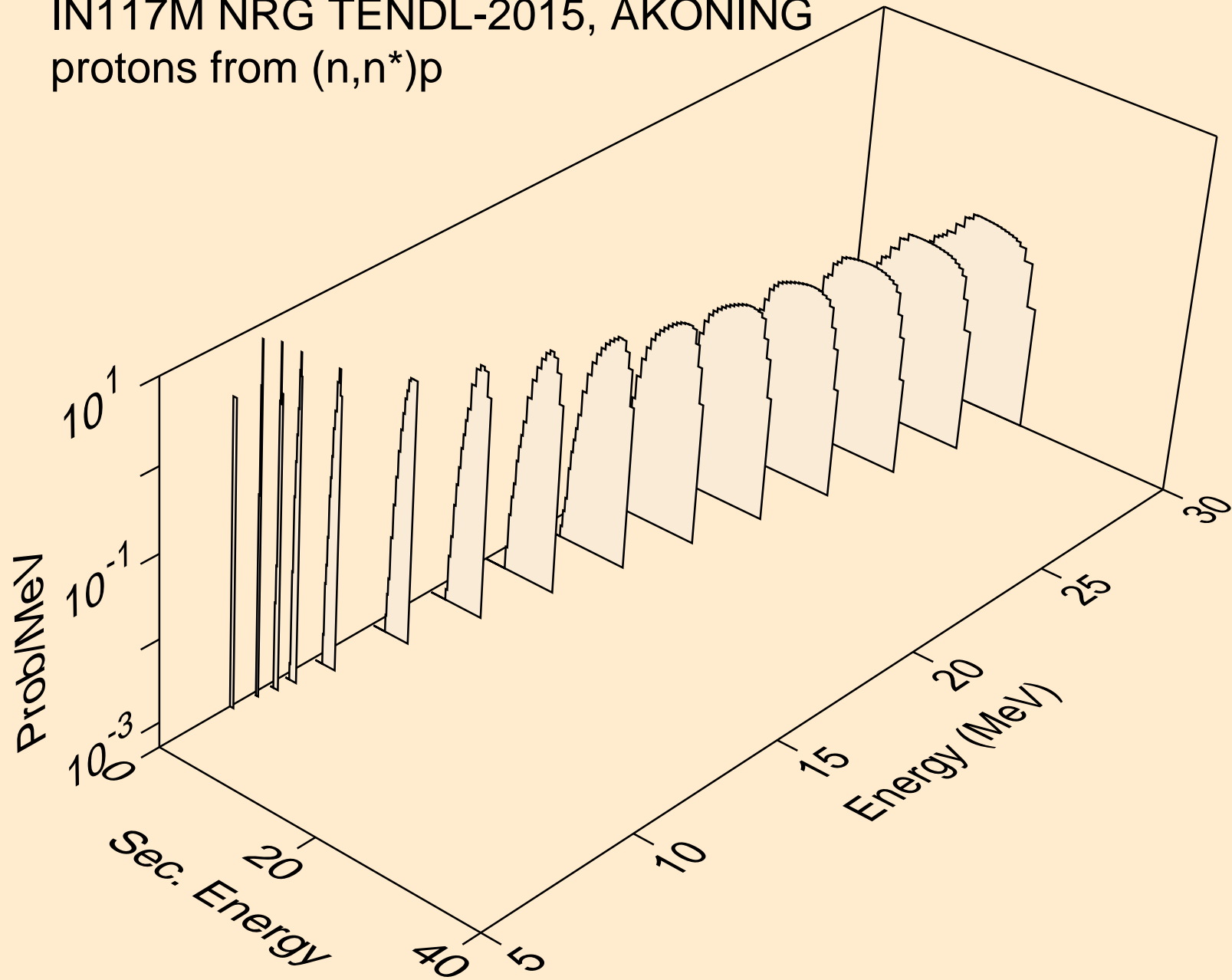


IN117M NRG TENDL-2015, AKONING  
protons from (n,x)

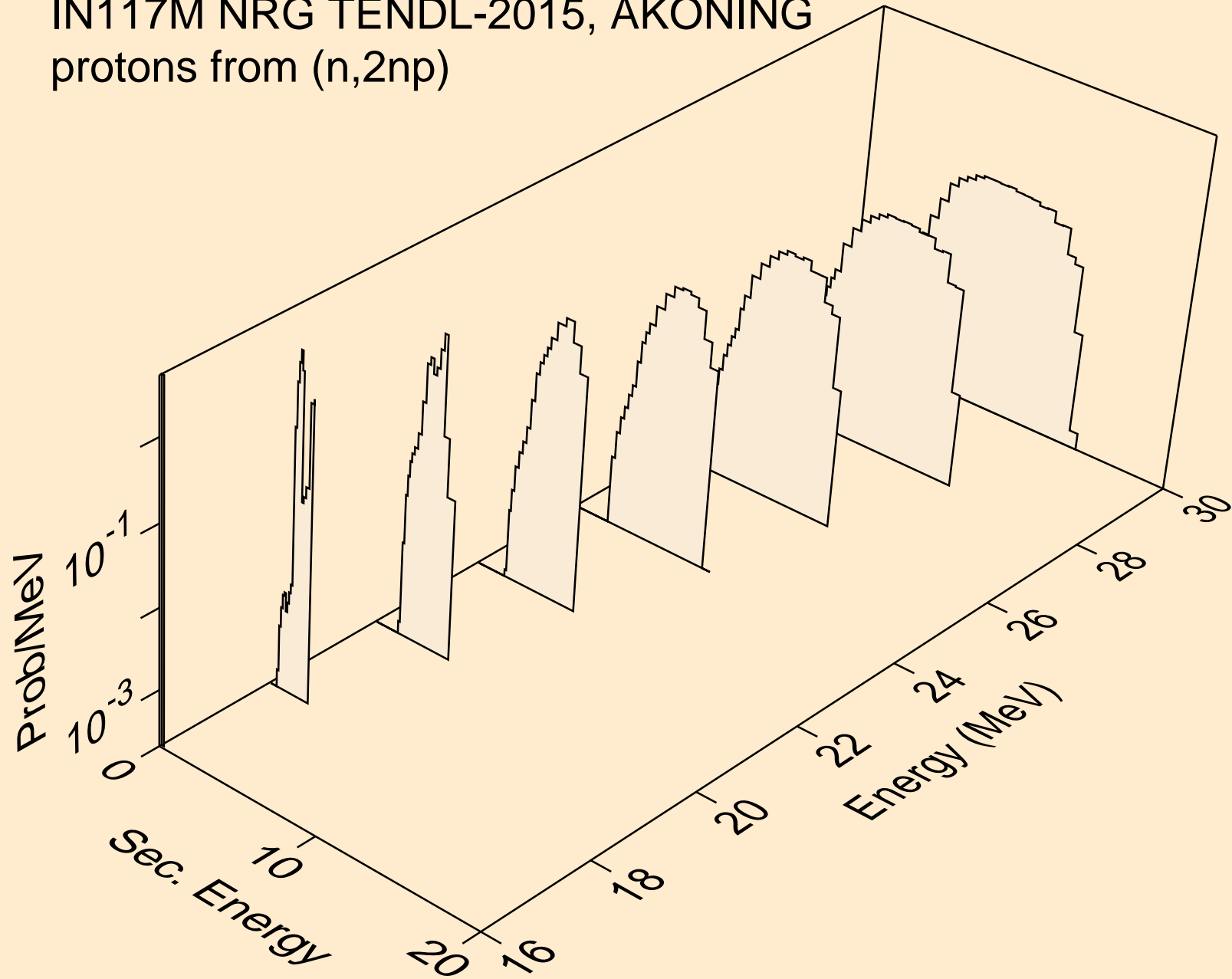




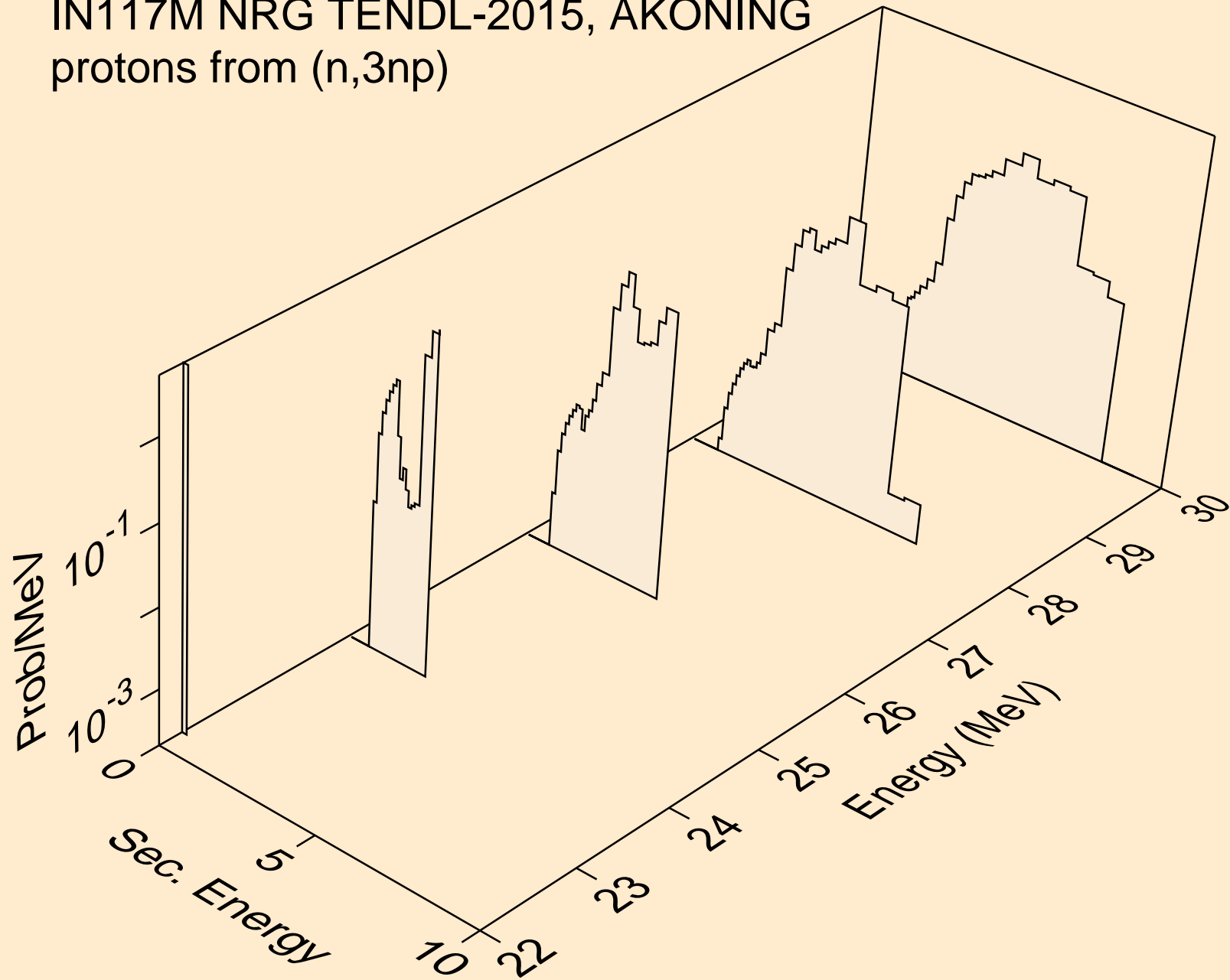
IN117M NRG TENDL-2015, AKONING  
protons from (n,n\*)p



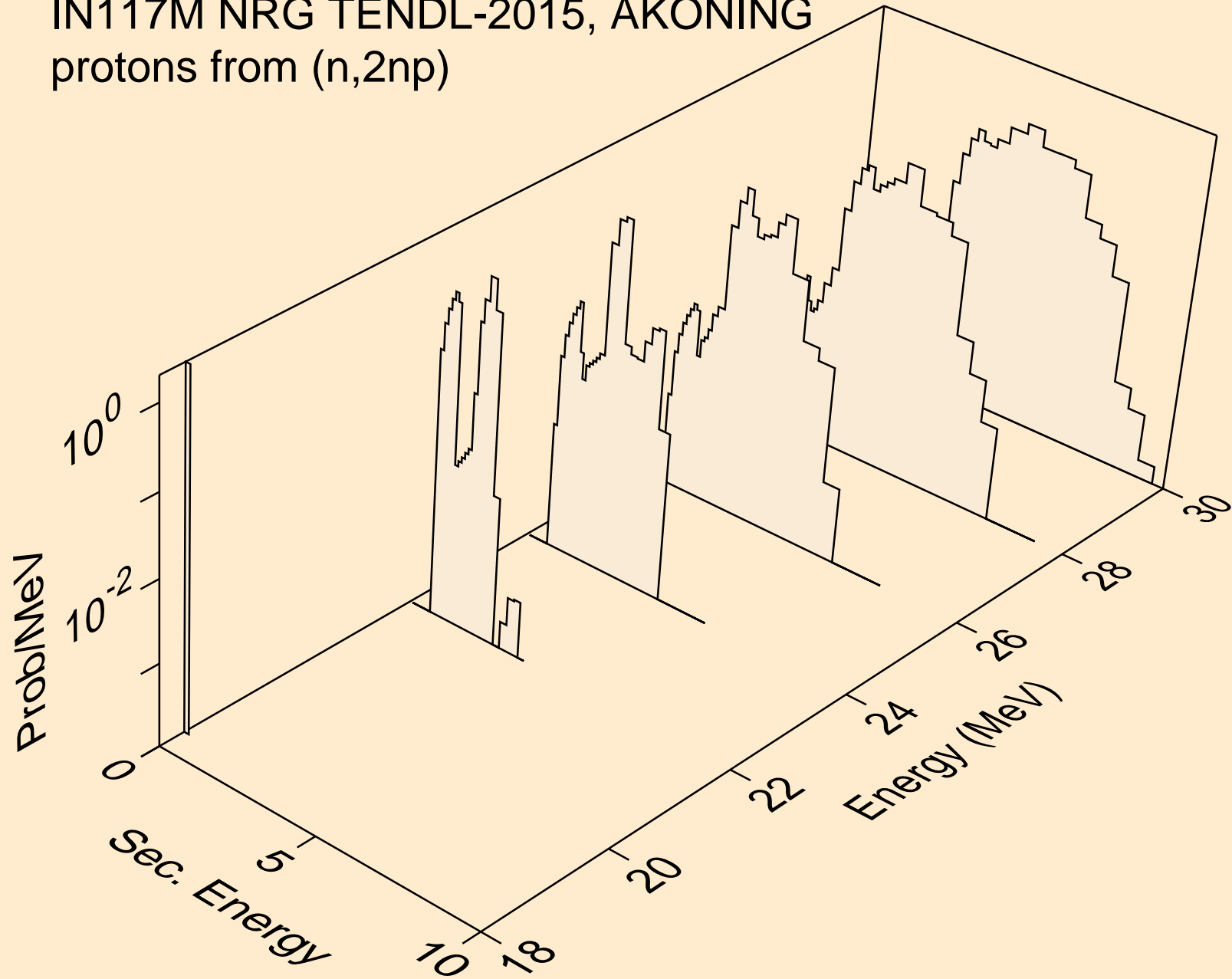
IN117M NRG TENDL-2015, AKONING  
protons from (n,2np)



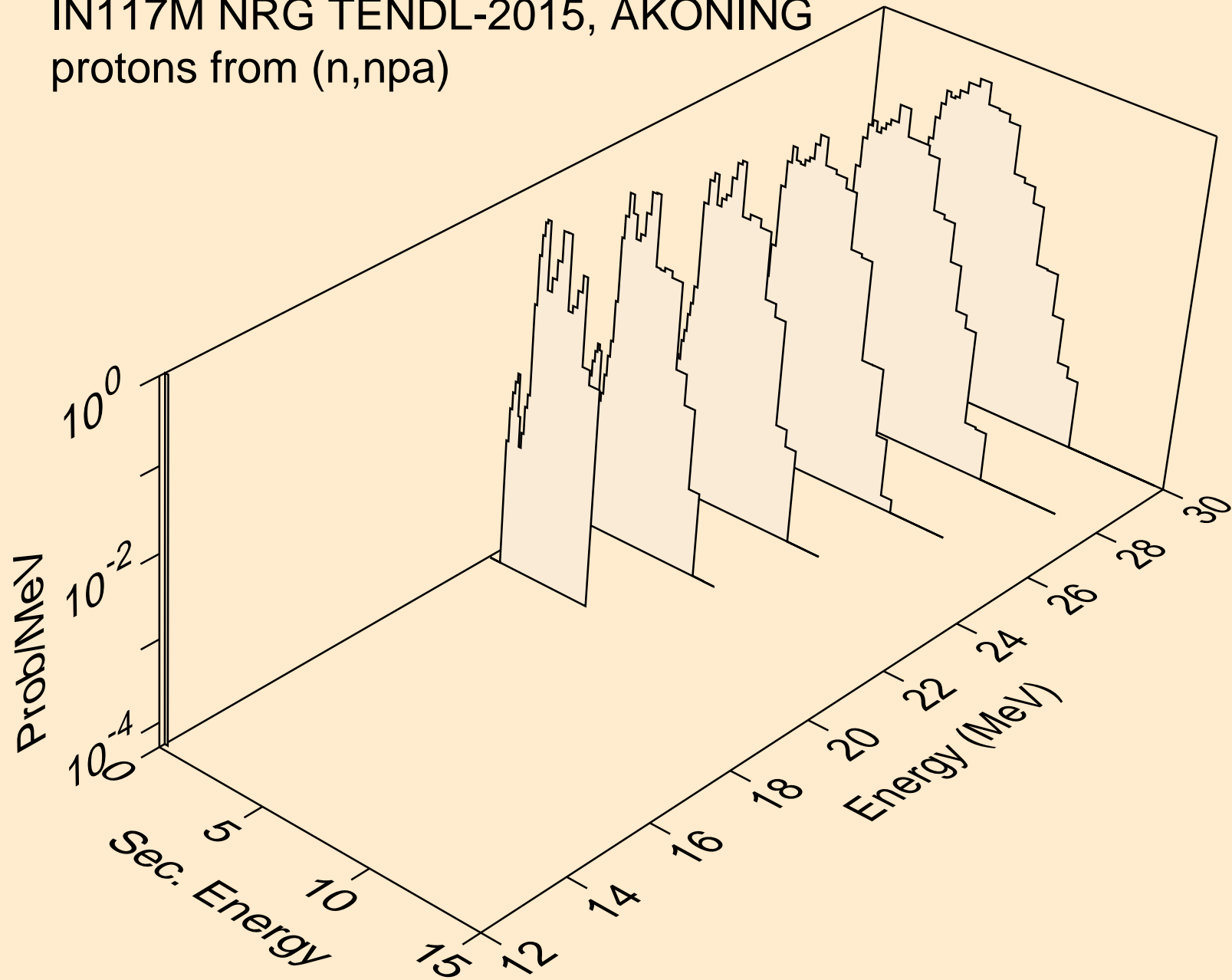
IN117M NRG TENDL-2015, AKONING  
protons from (n,3np)



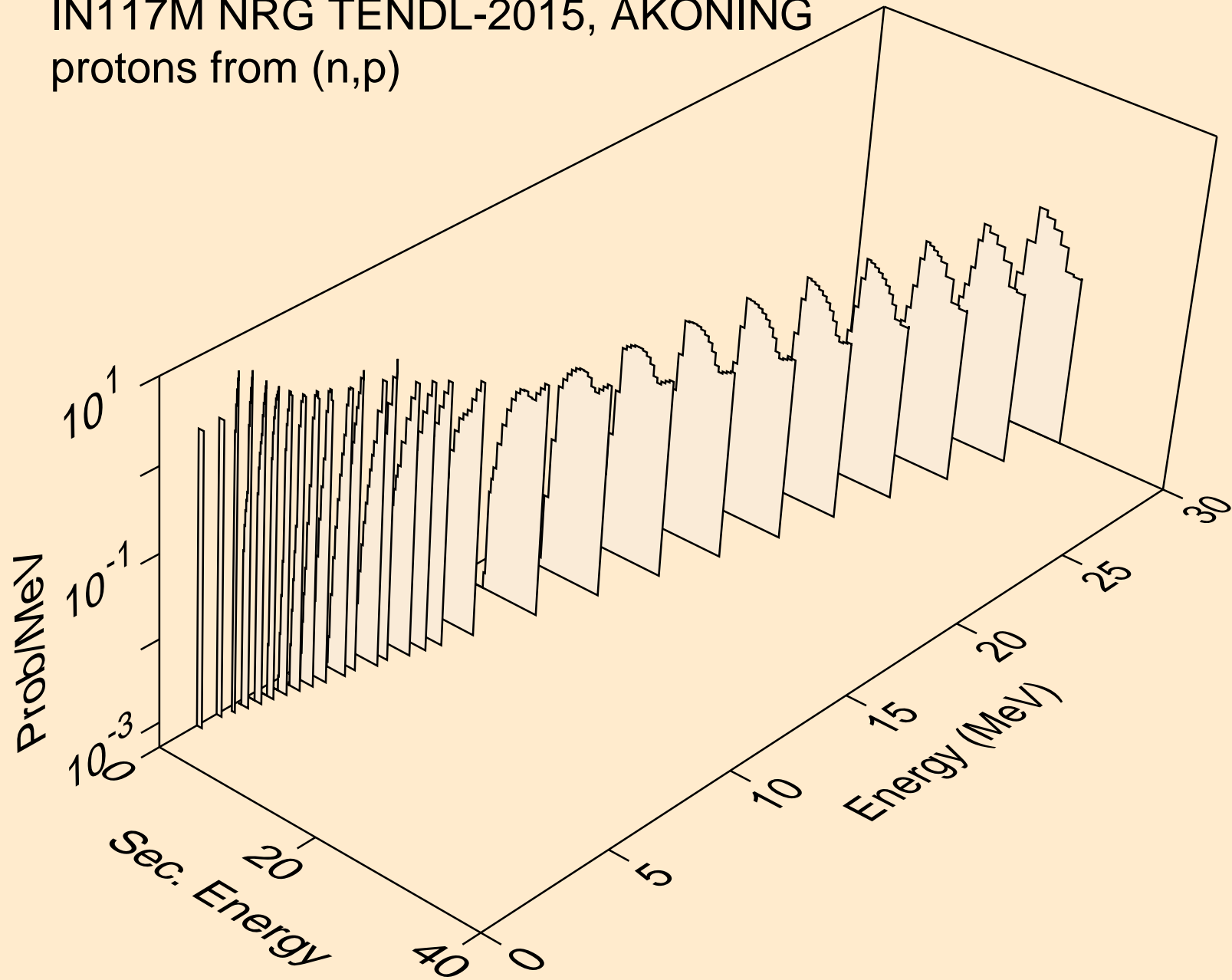
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protons from (n,2np)



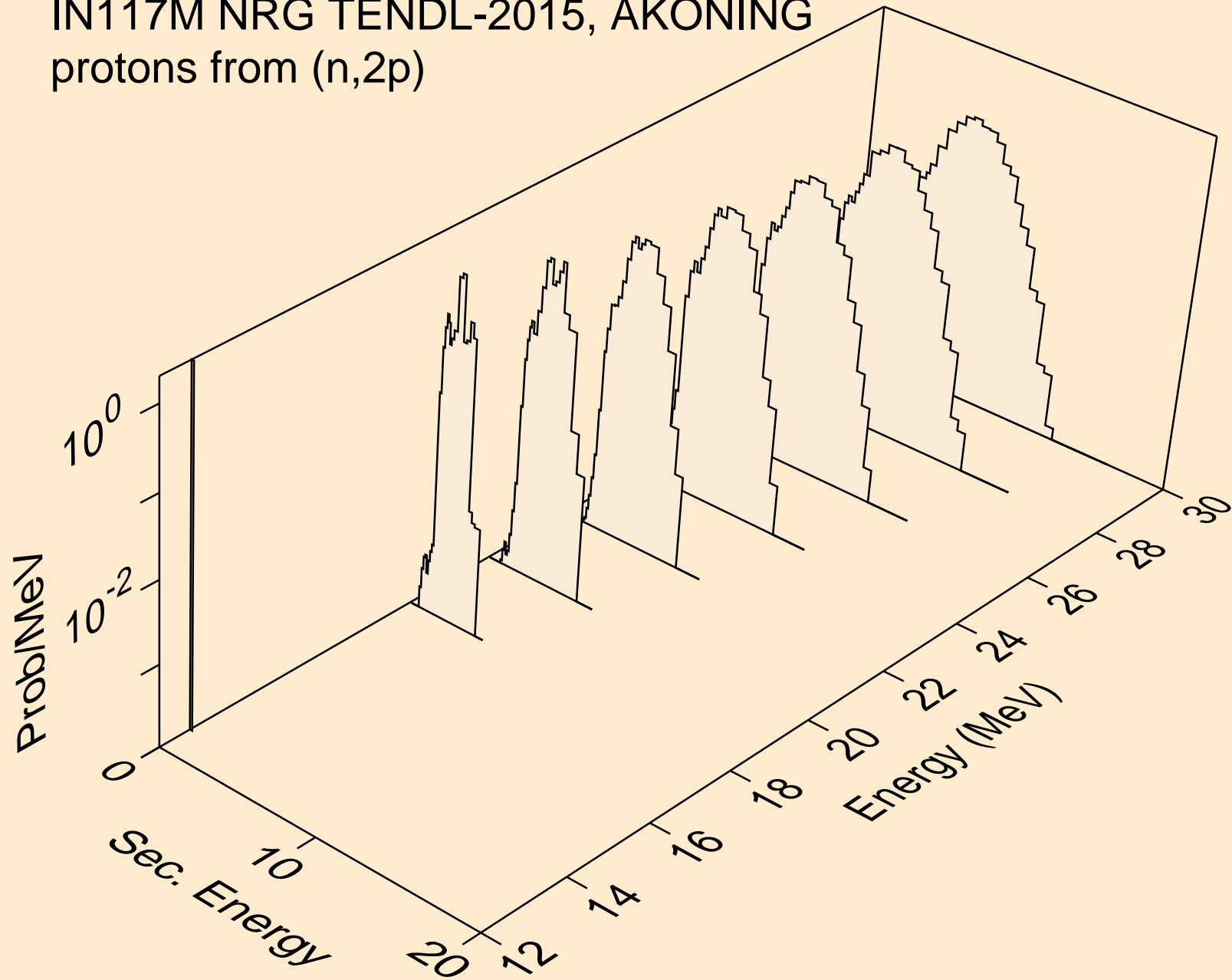
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protons from (n,npa)



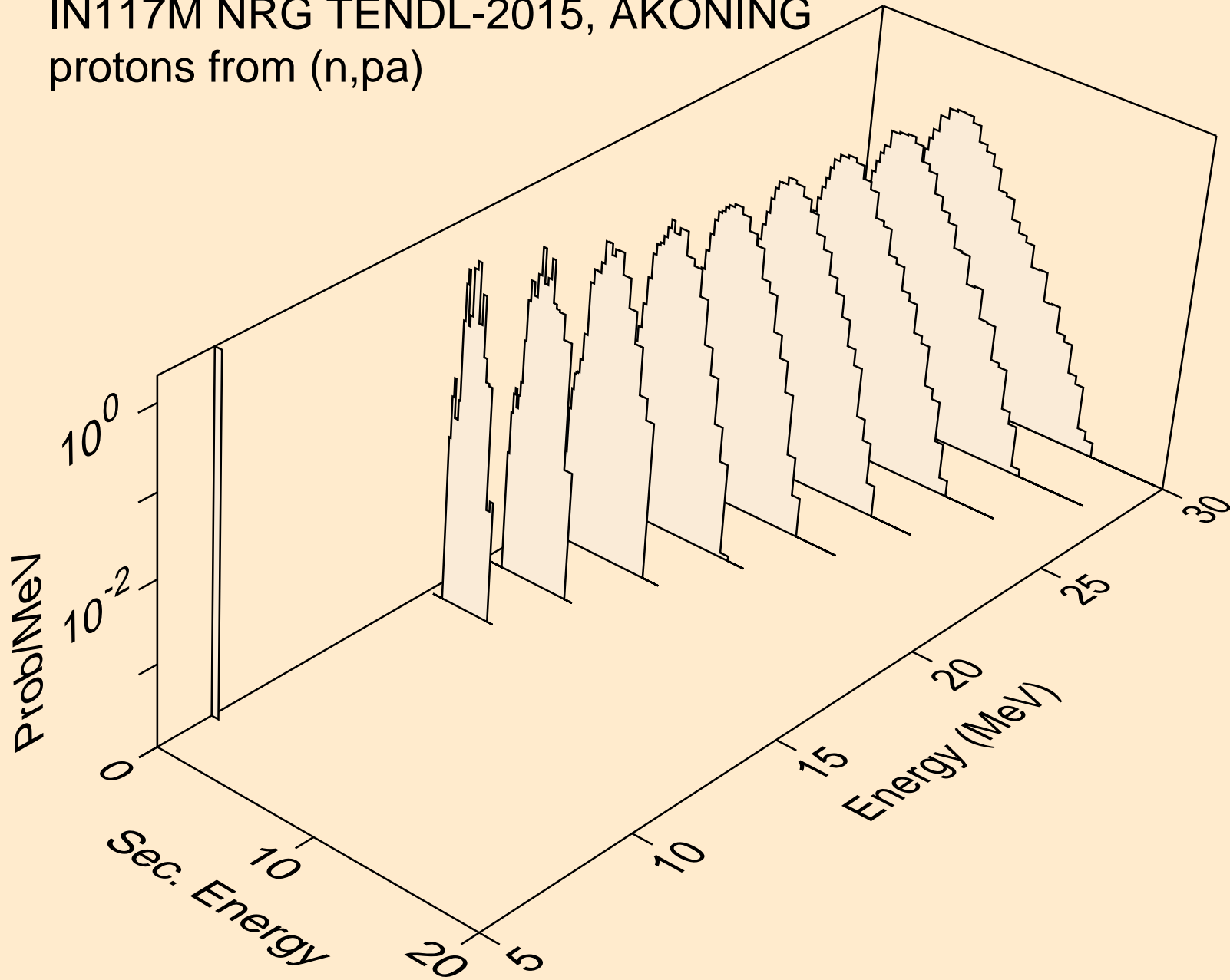
IN117M NRG TENDL-2015, AKONING  
protons from (n,p)



IN117M NRG TENDL-2015, AKONING  
protons from (n,2p)

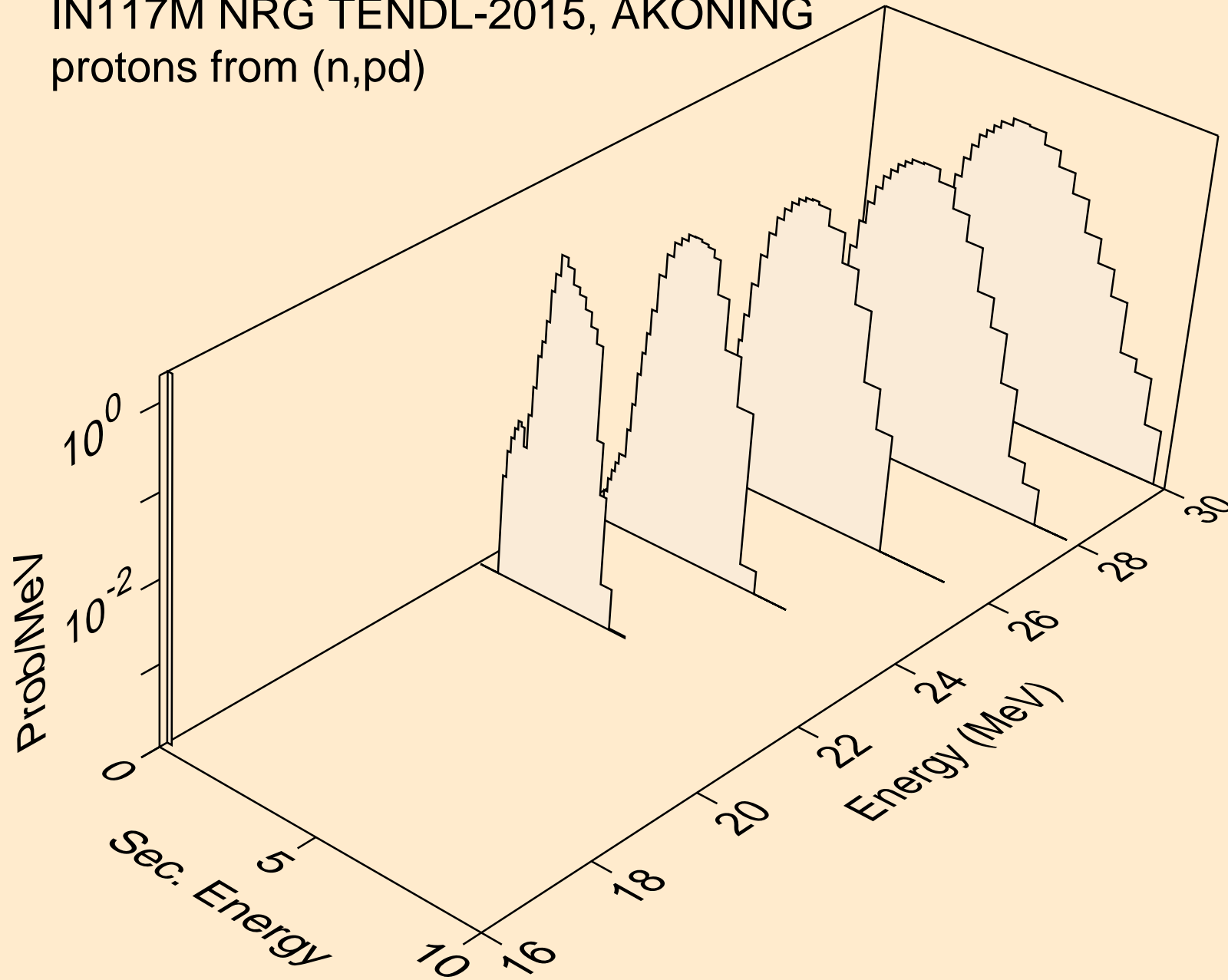


IN117M NRG TENDL-2015, AKONING  
protons from (n,pa)

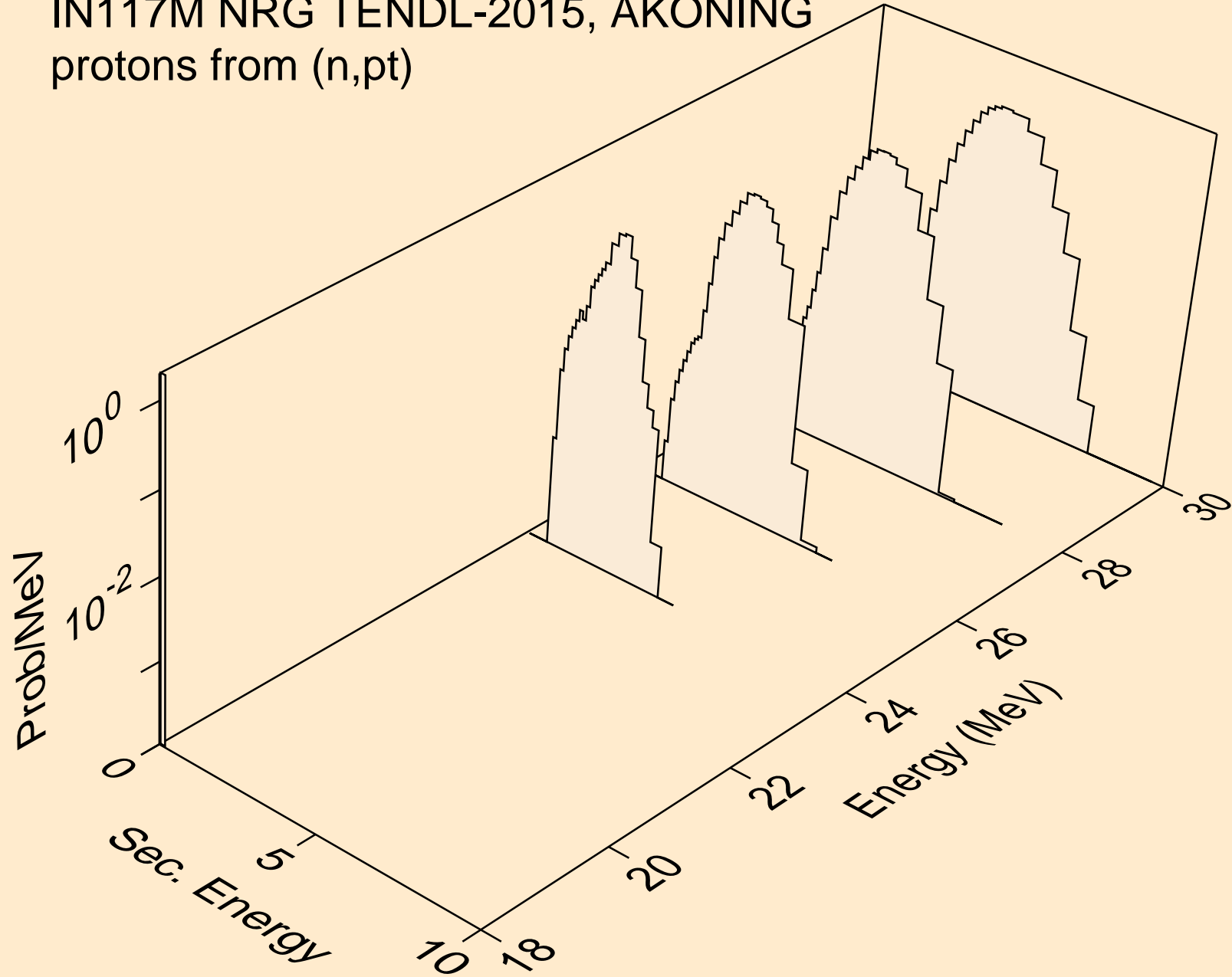




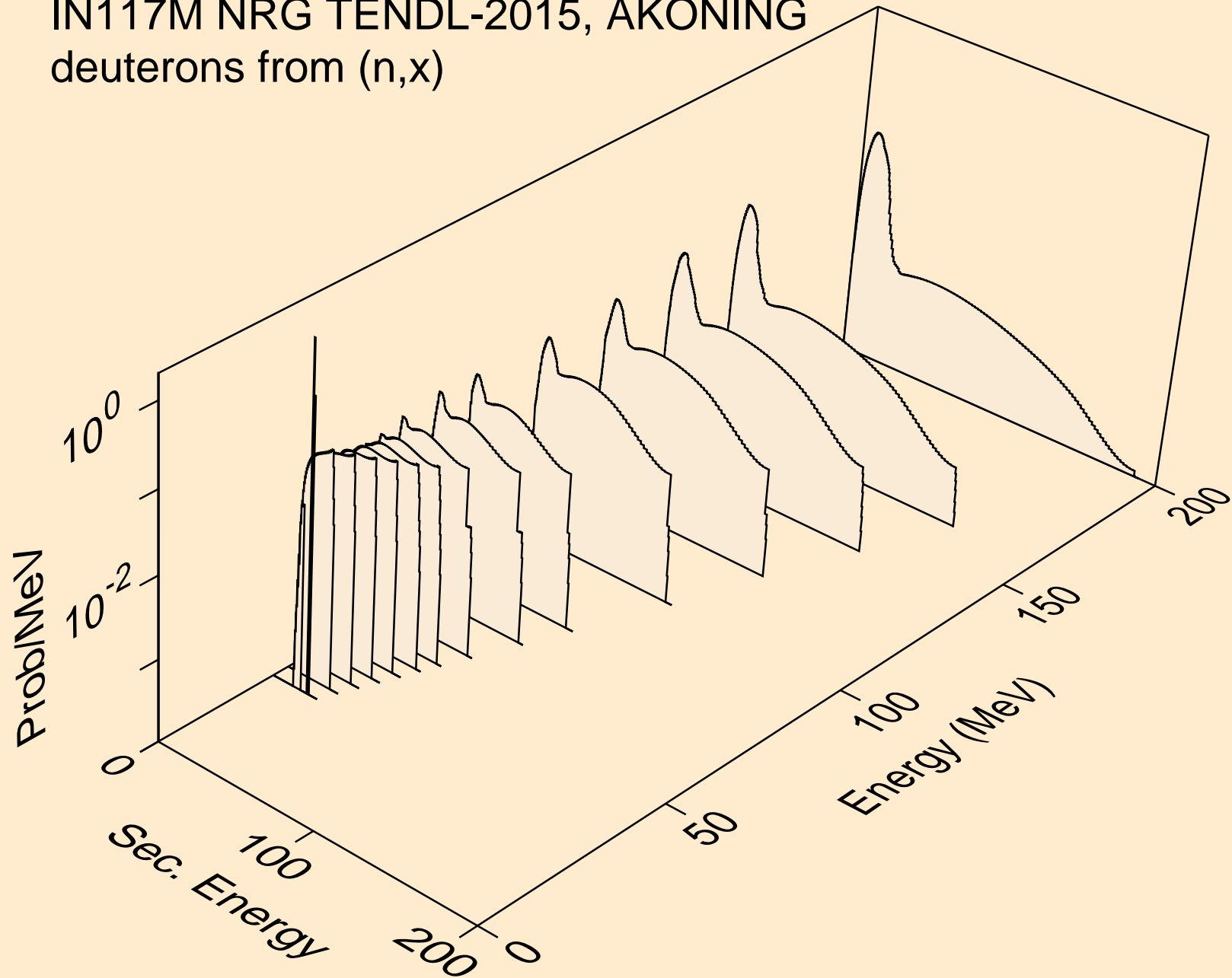
IN117M NRG TENDL-2015, AKONING  
protons from (n,pd)



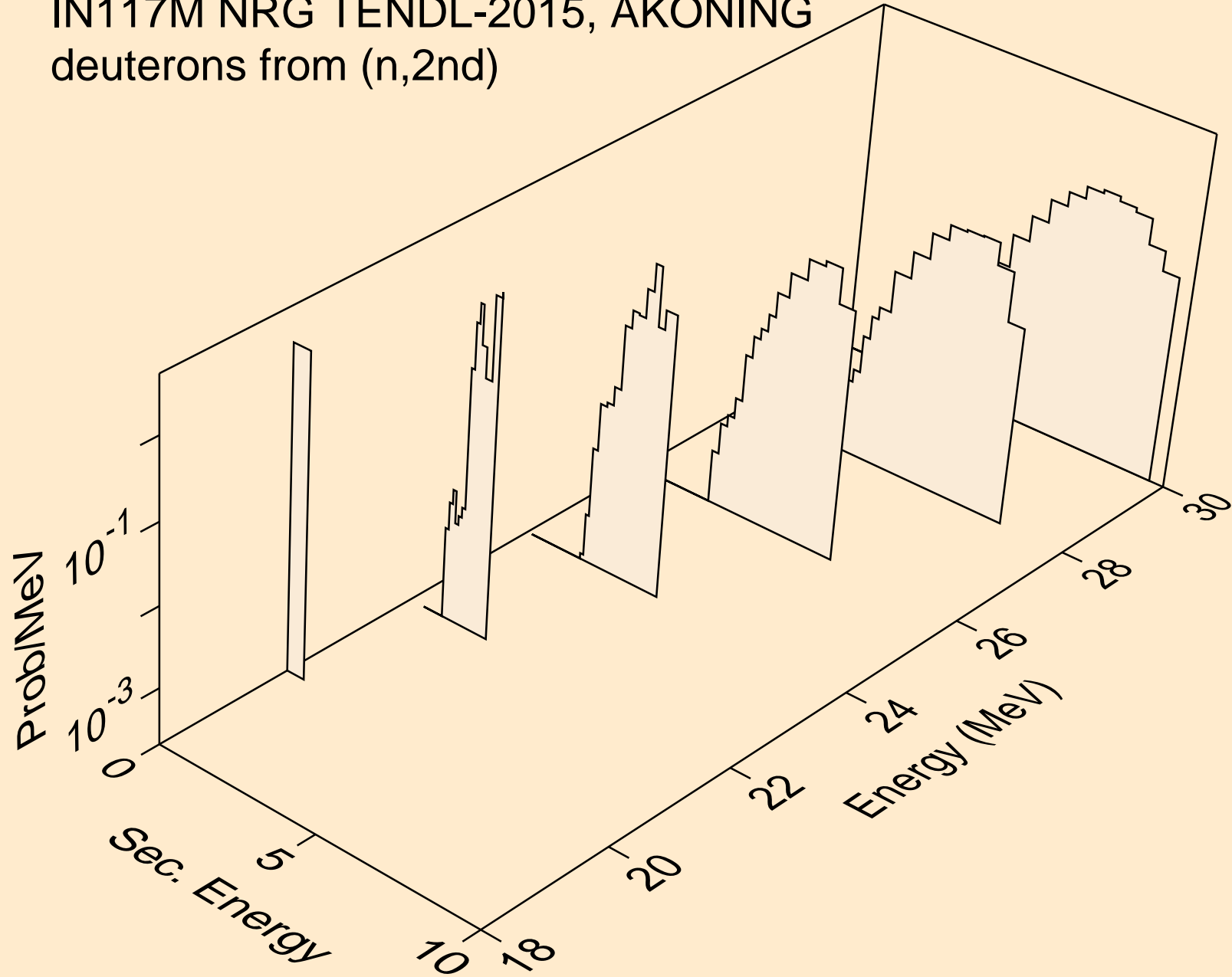
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protons from (n,pt)



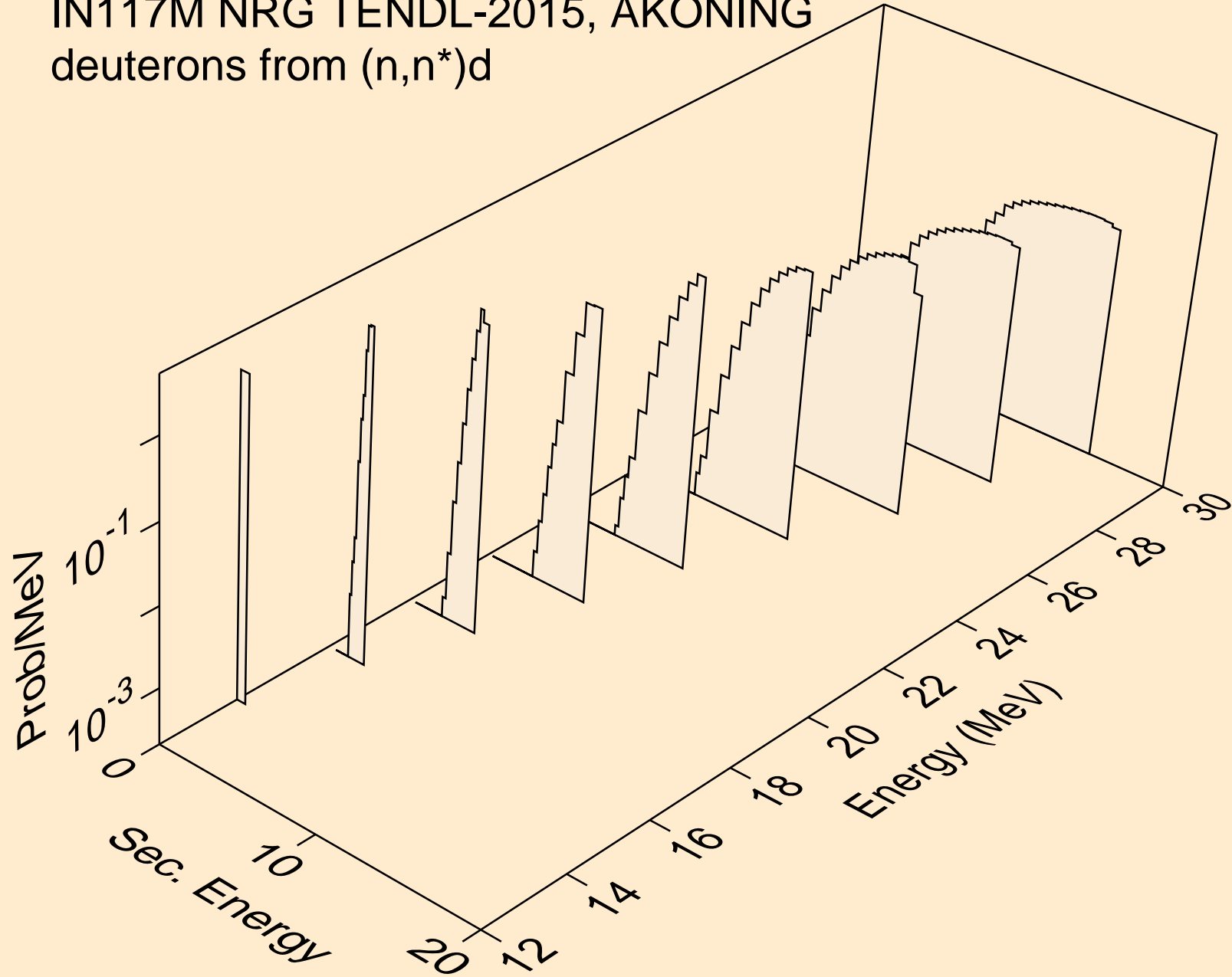
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deuterons from (n,x)



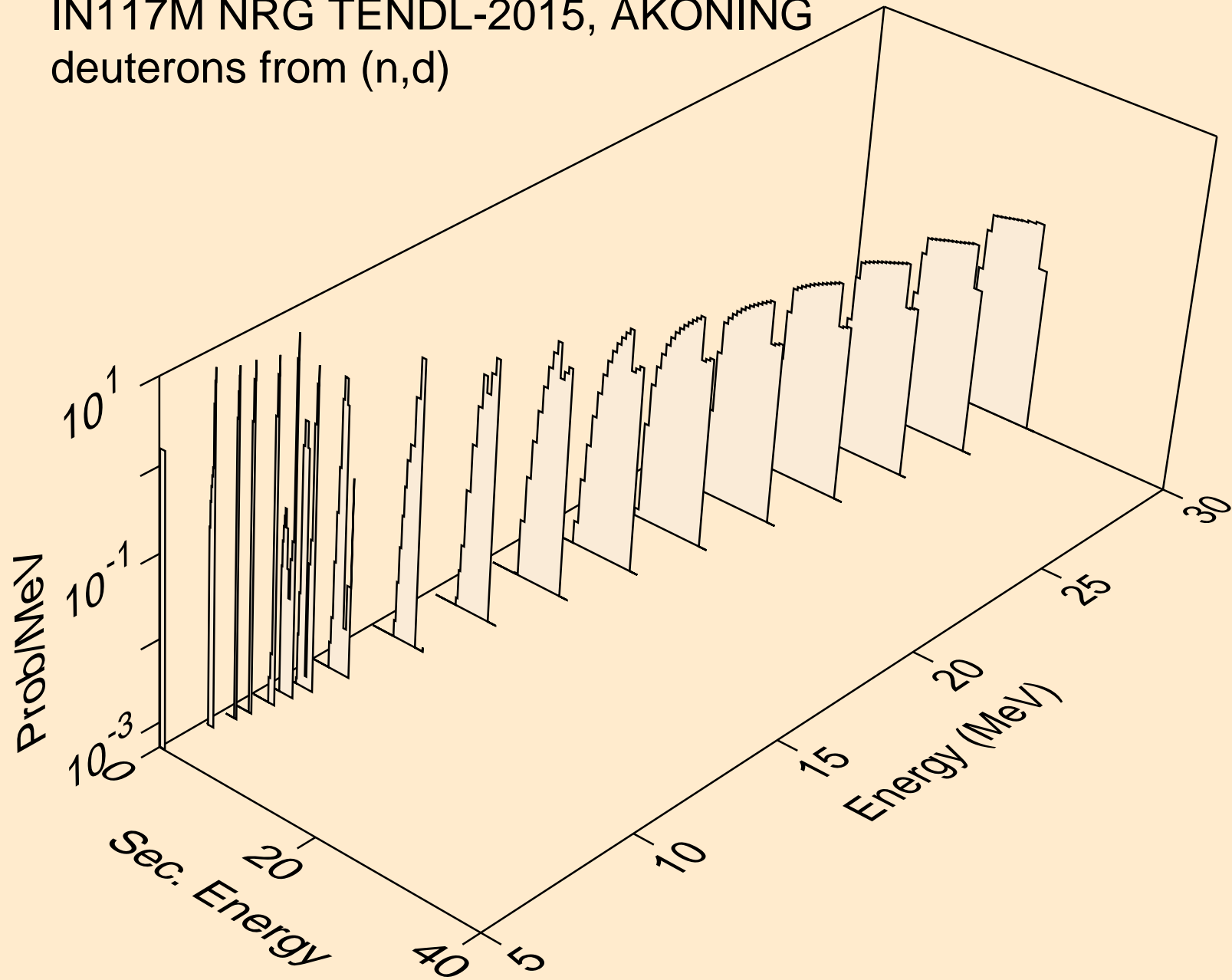
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deuterons from (n,2nd)



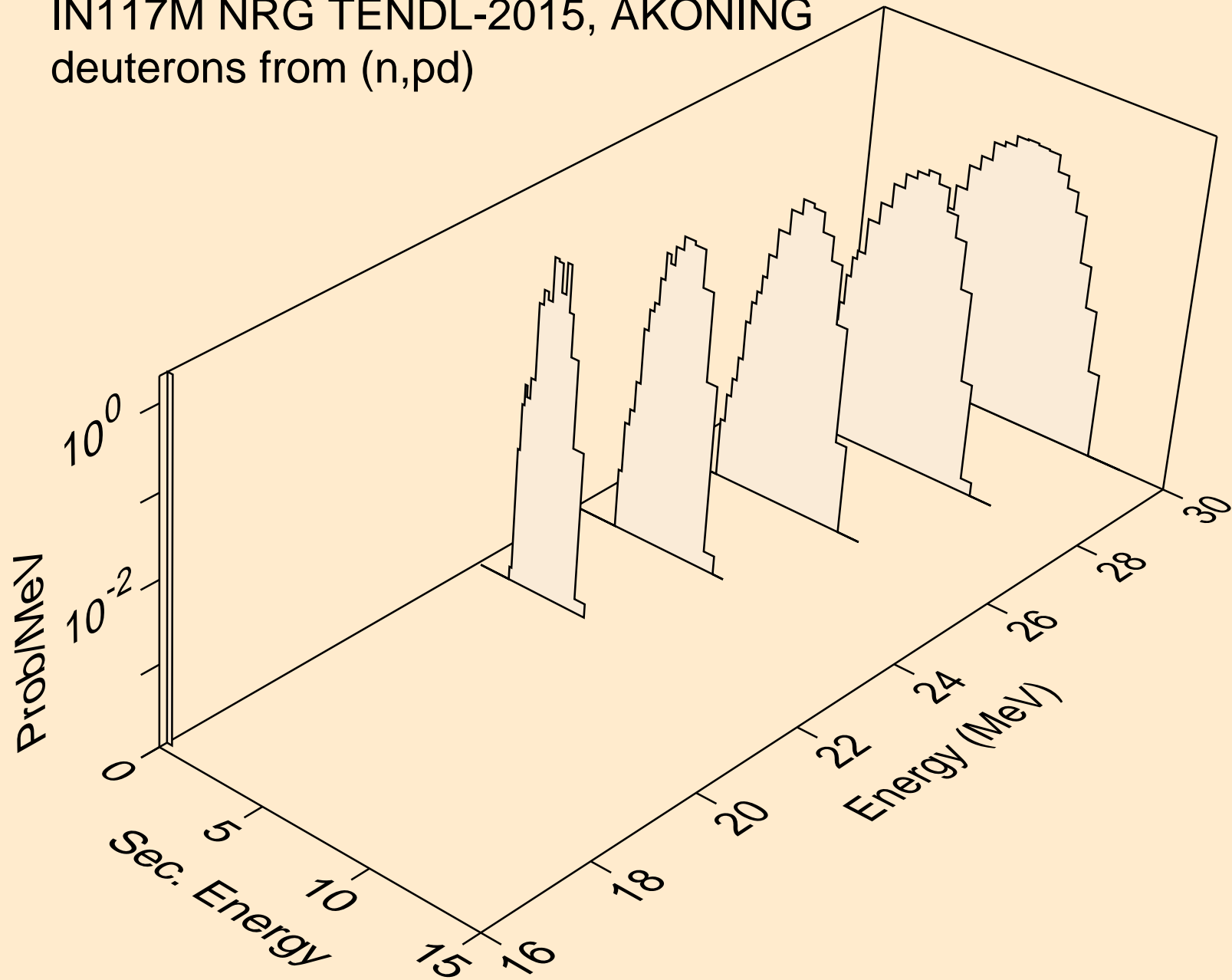
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deuterons from (n,n\*)d



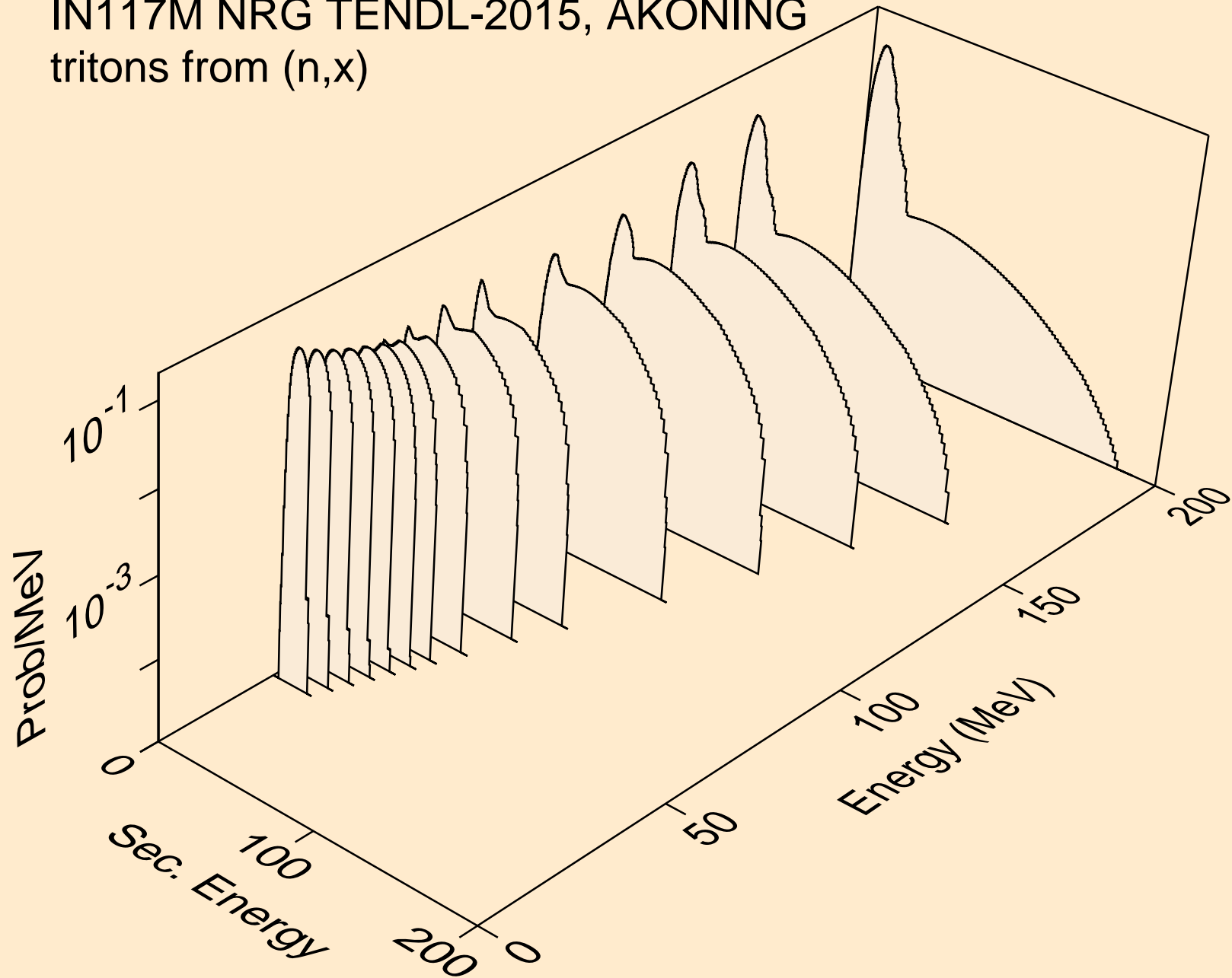
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deuterons from (n,d)



IN117M NRG TENDL-2015, AKONING  
deuterons from (n,pd)

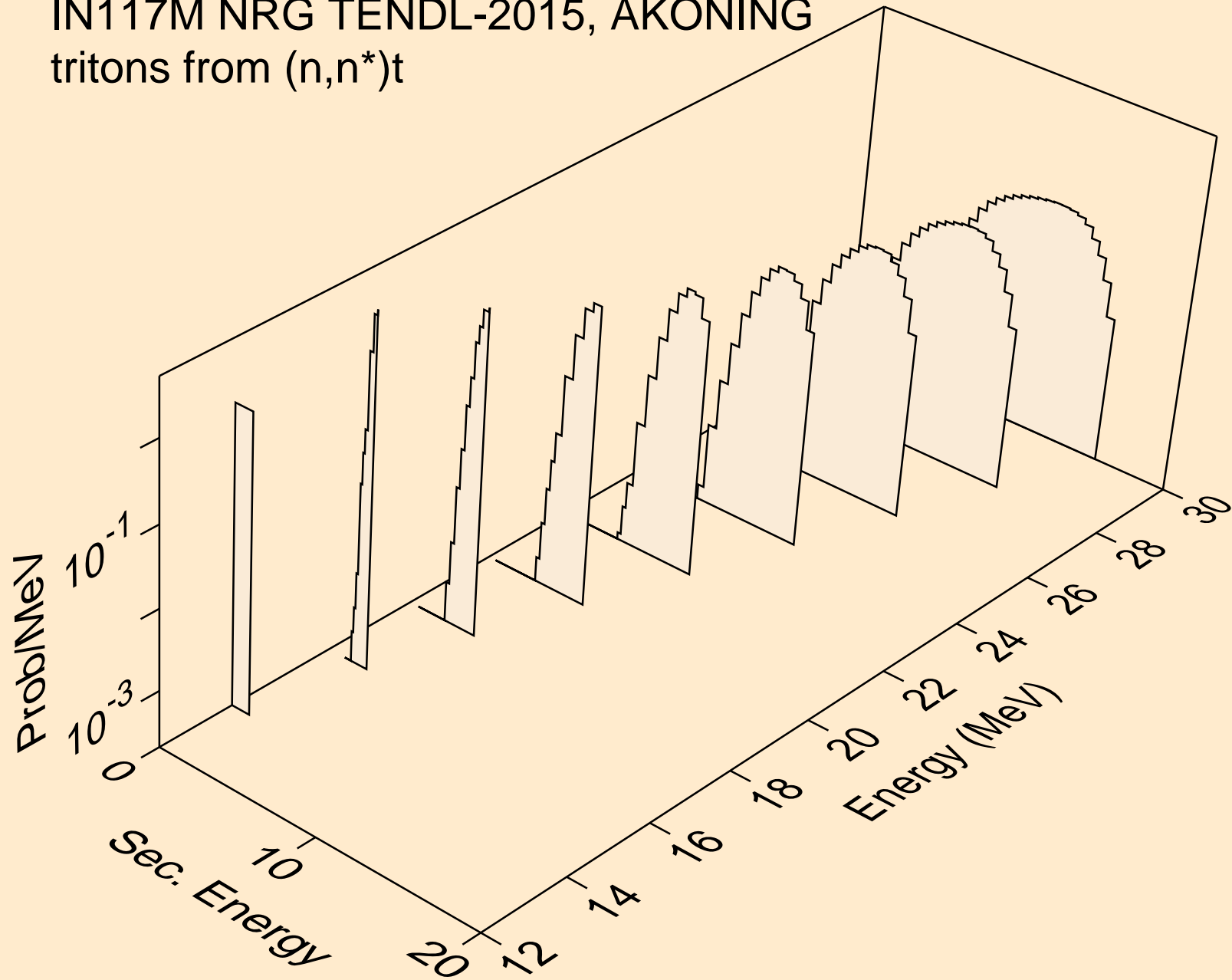


IN117M NRG TENDL-2015, AKONING  
tritons from (n,x)

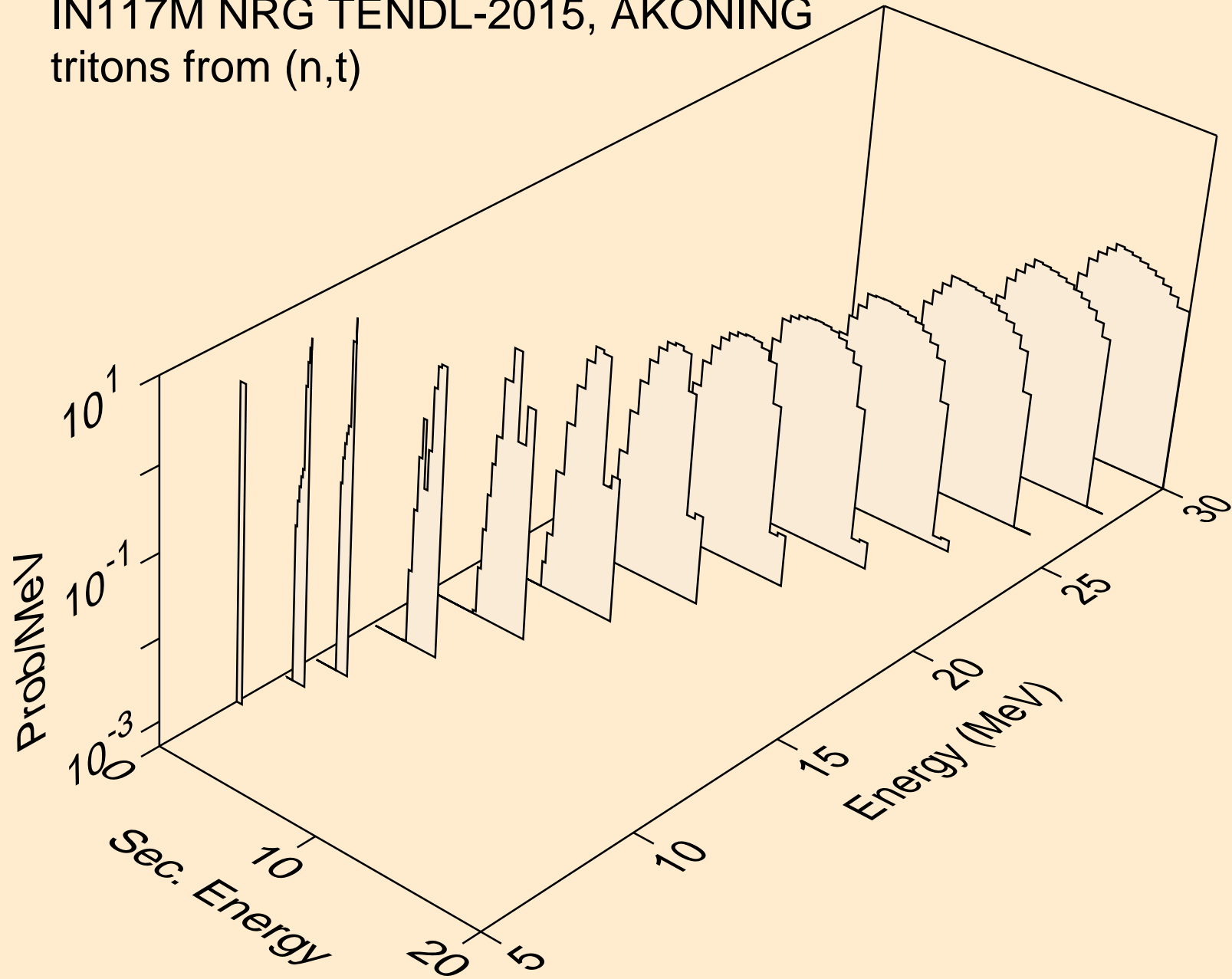




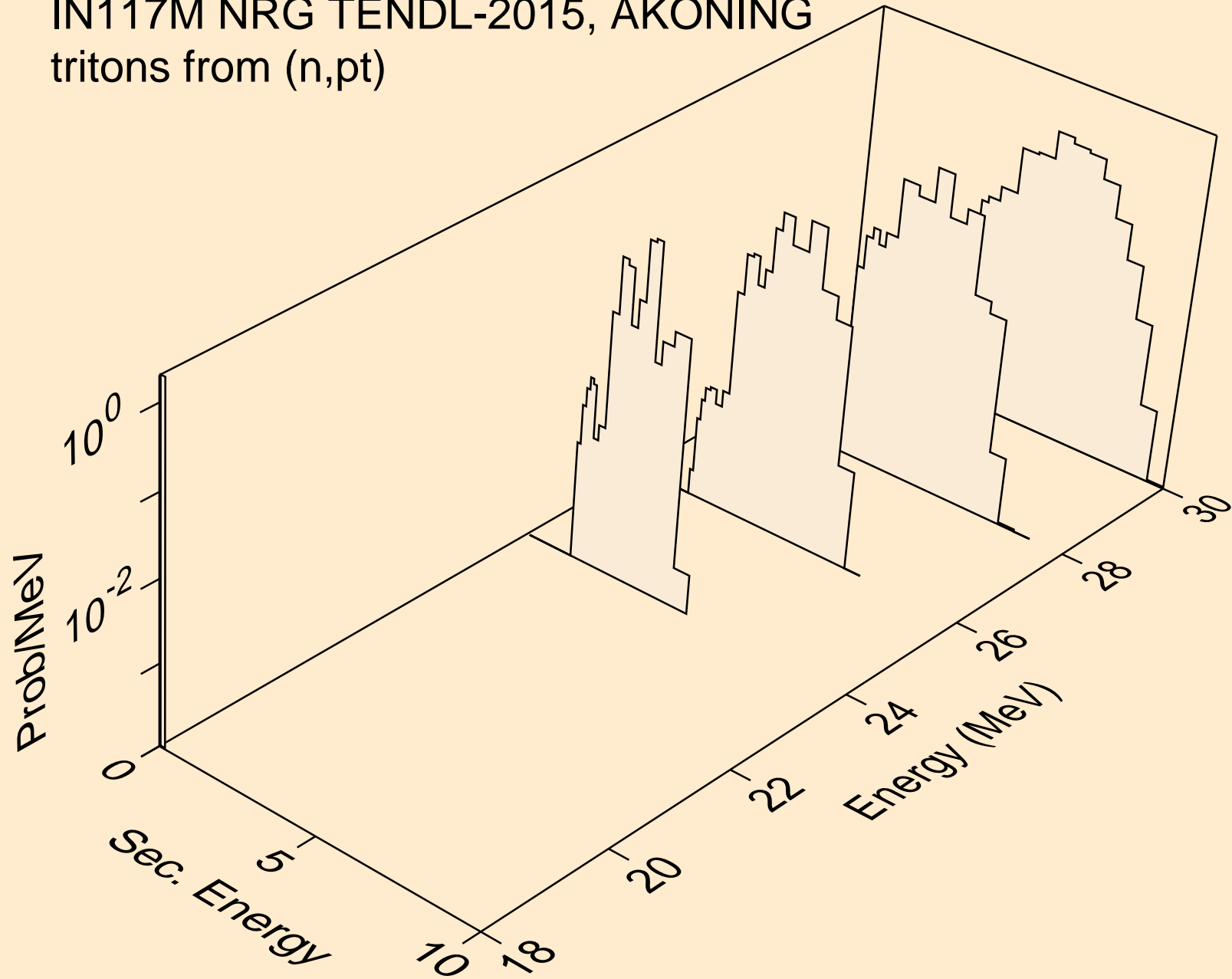
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tritons from (n,n\*)t



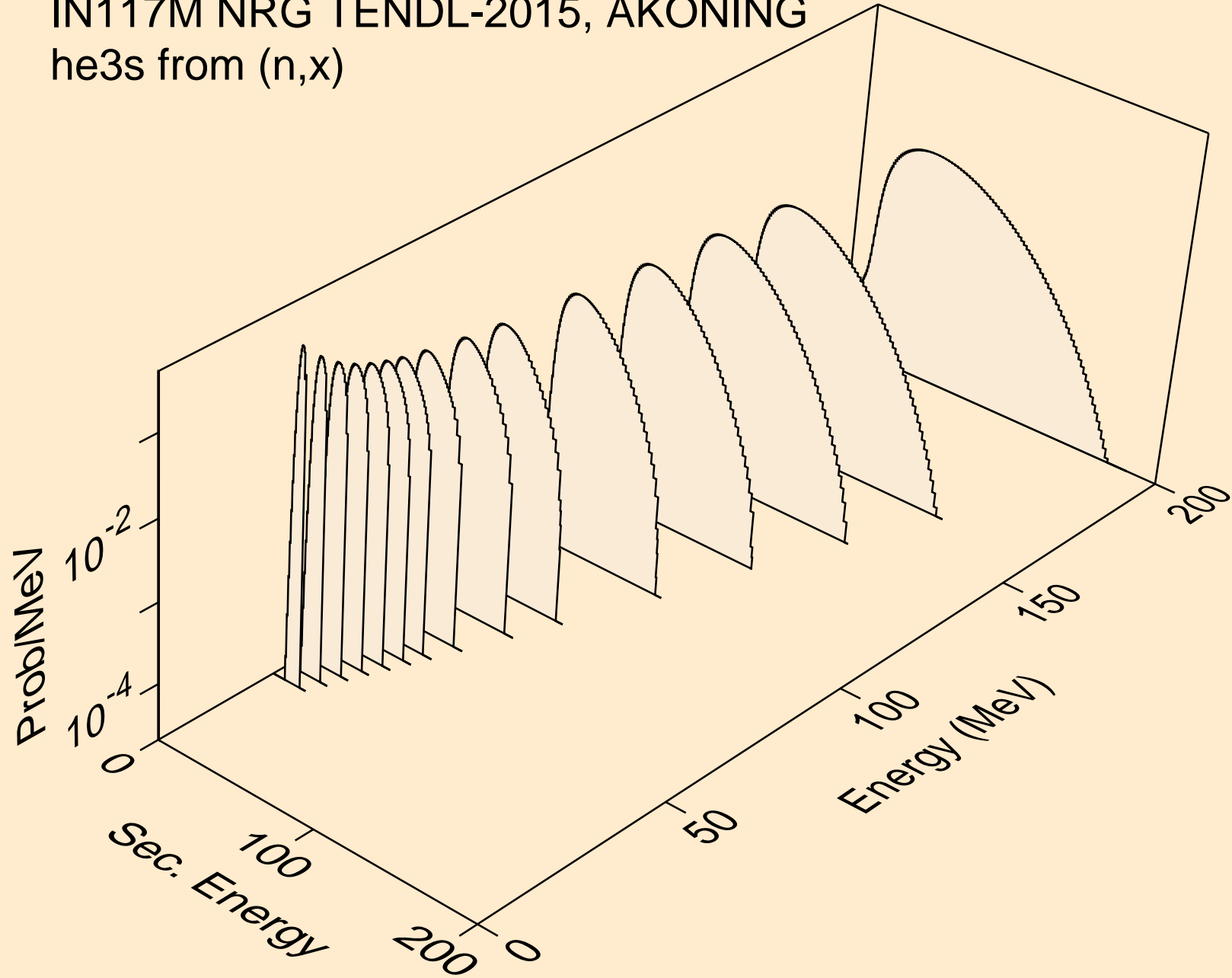
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tritons from (n,t)



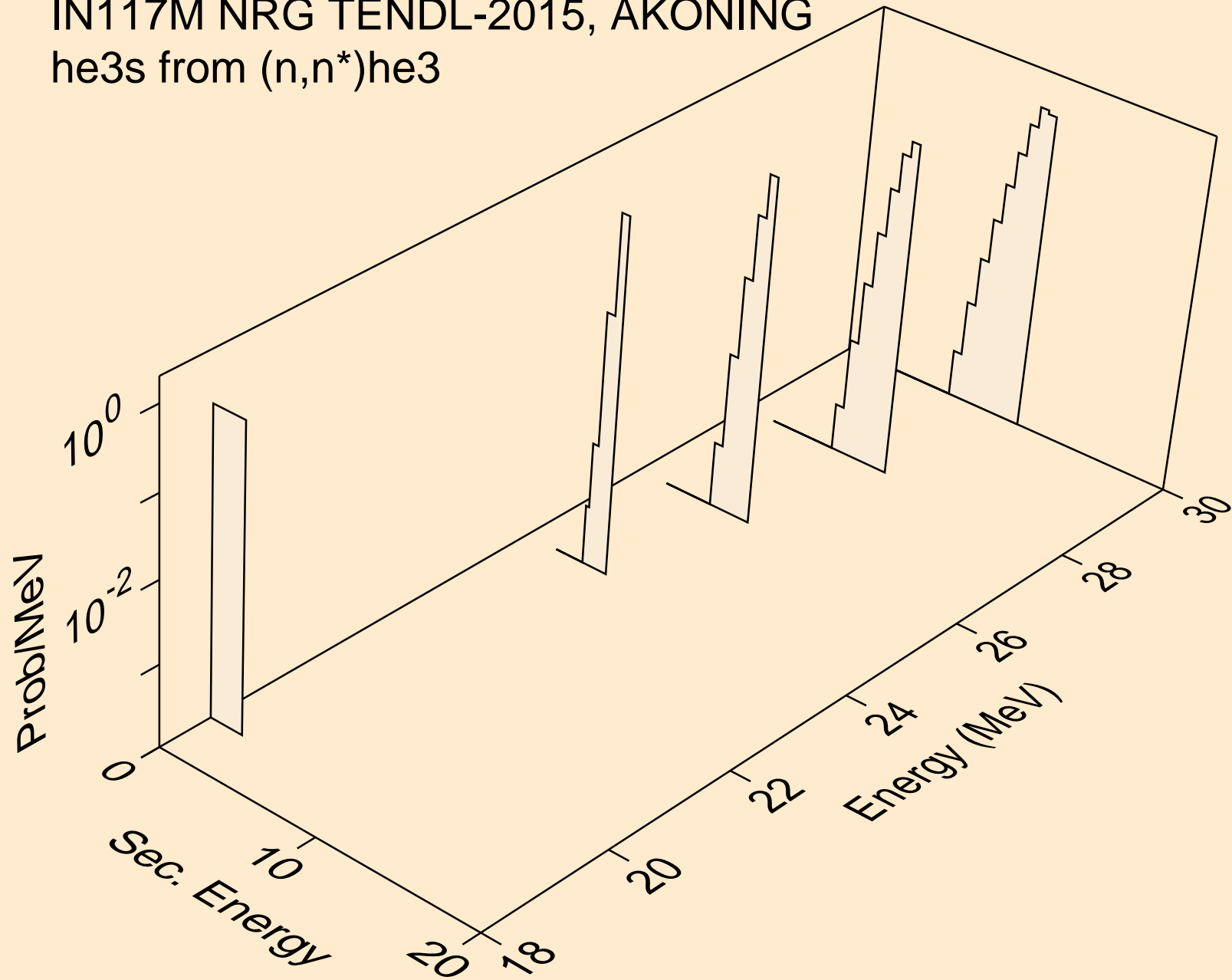
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tritons from (n,pt)



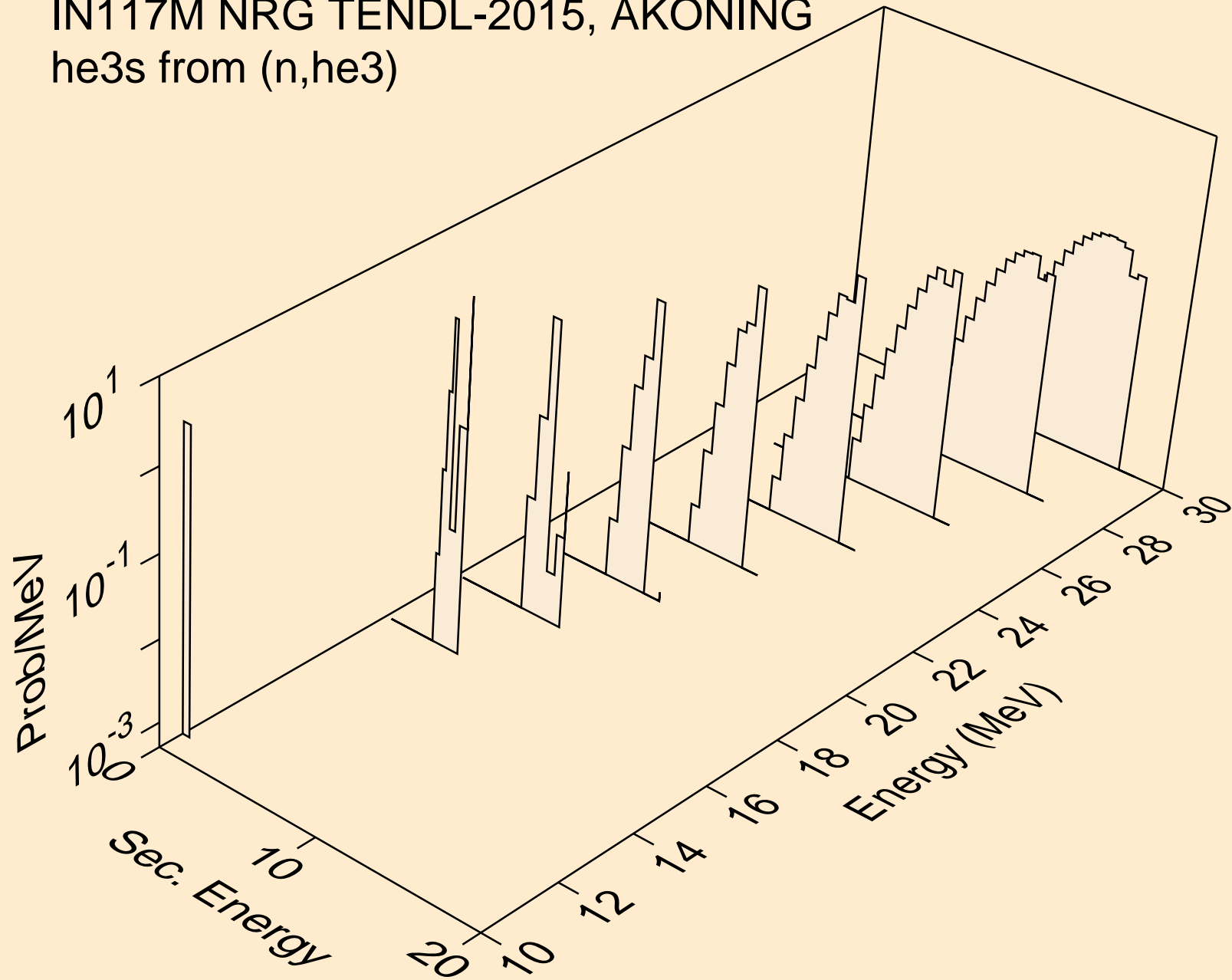
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he3s from (n,x)



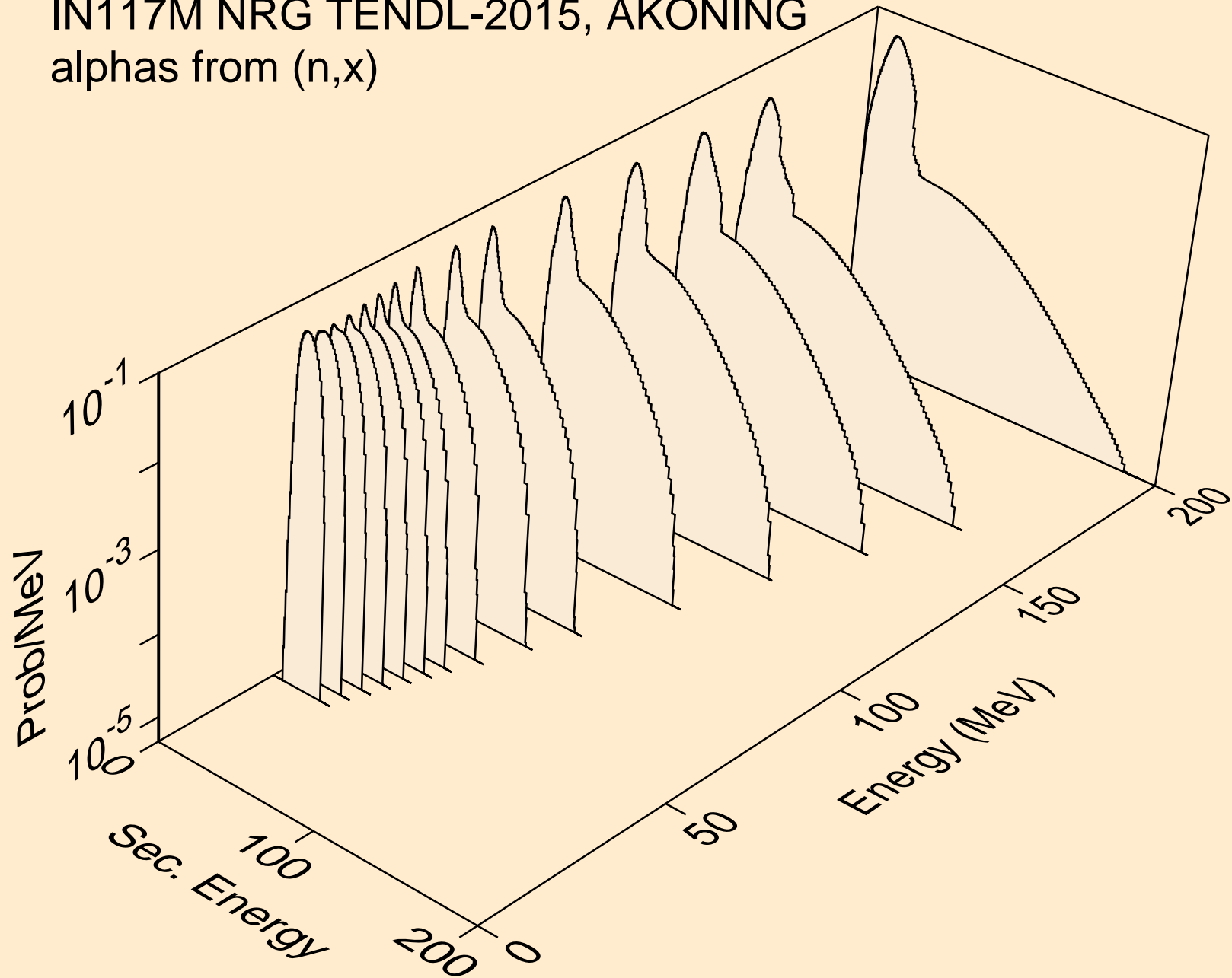
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he3s from (n,n\*)he3



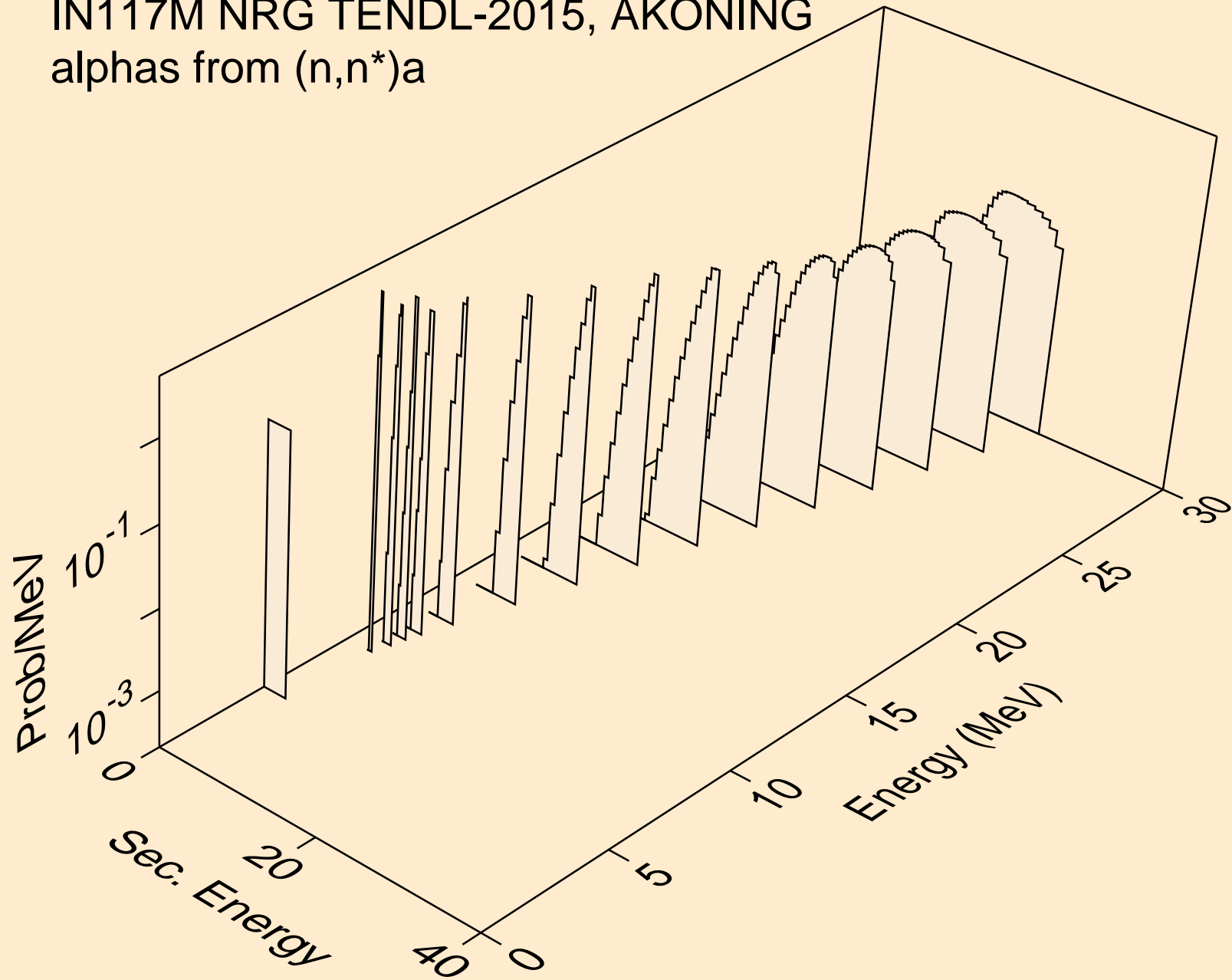
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he3s from (n,he3)



IN117M NRG TENDL-2015, AKONING  
alphas from (n,x)

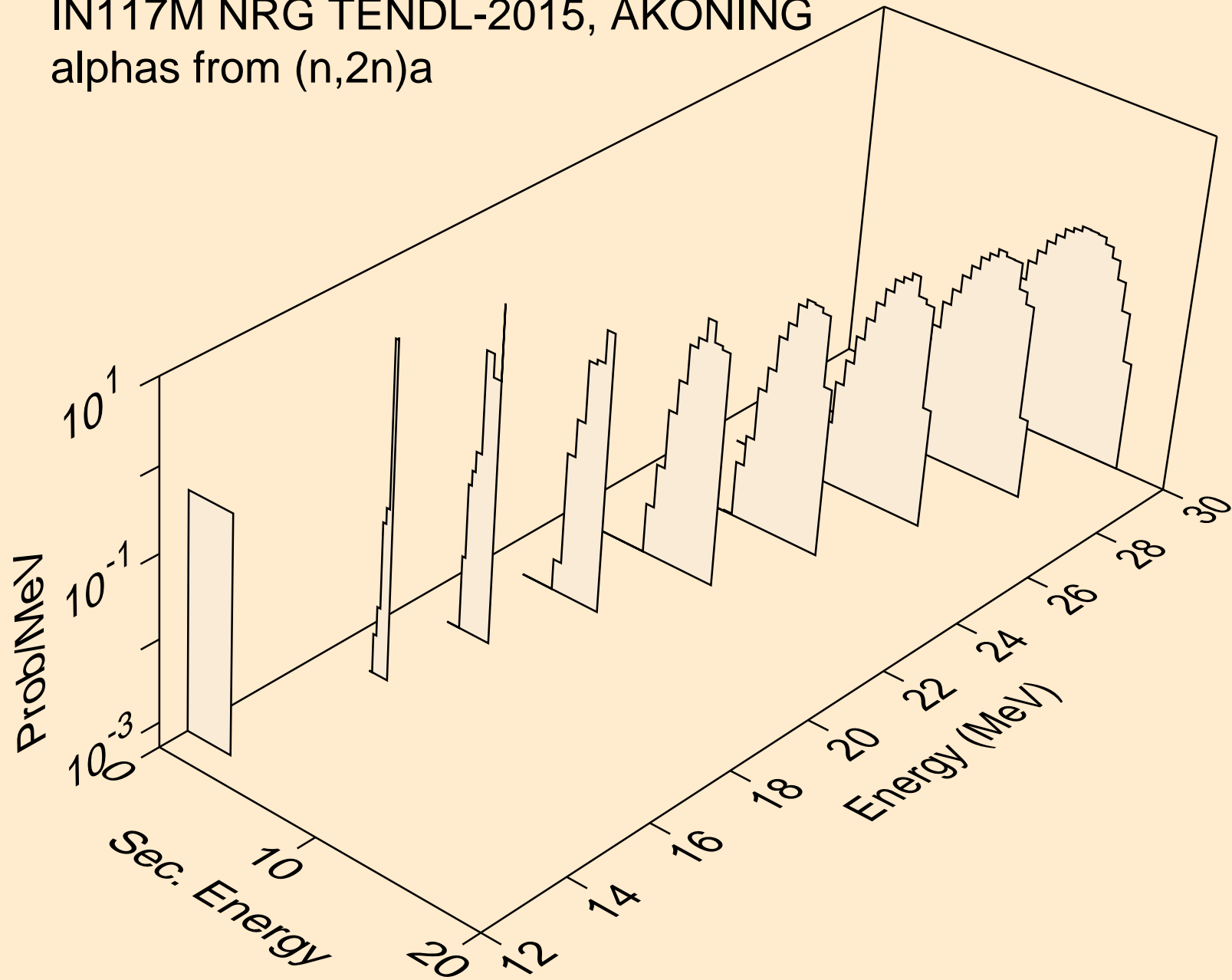


IN117M NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

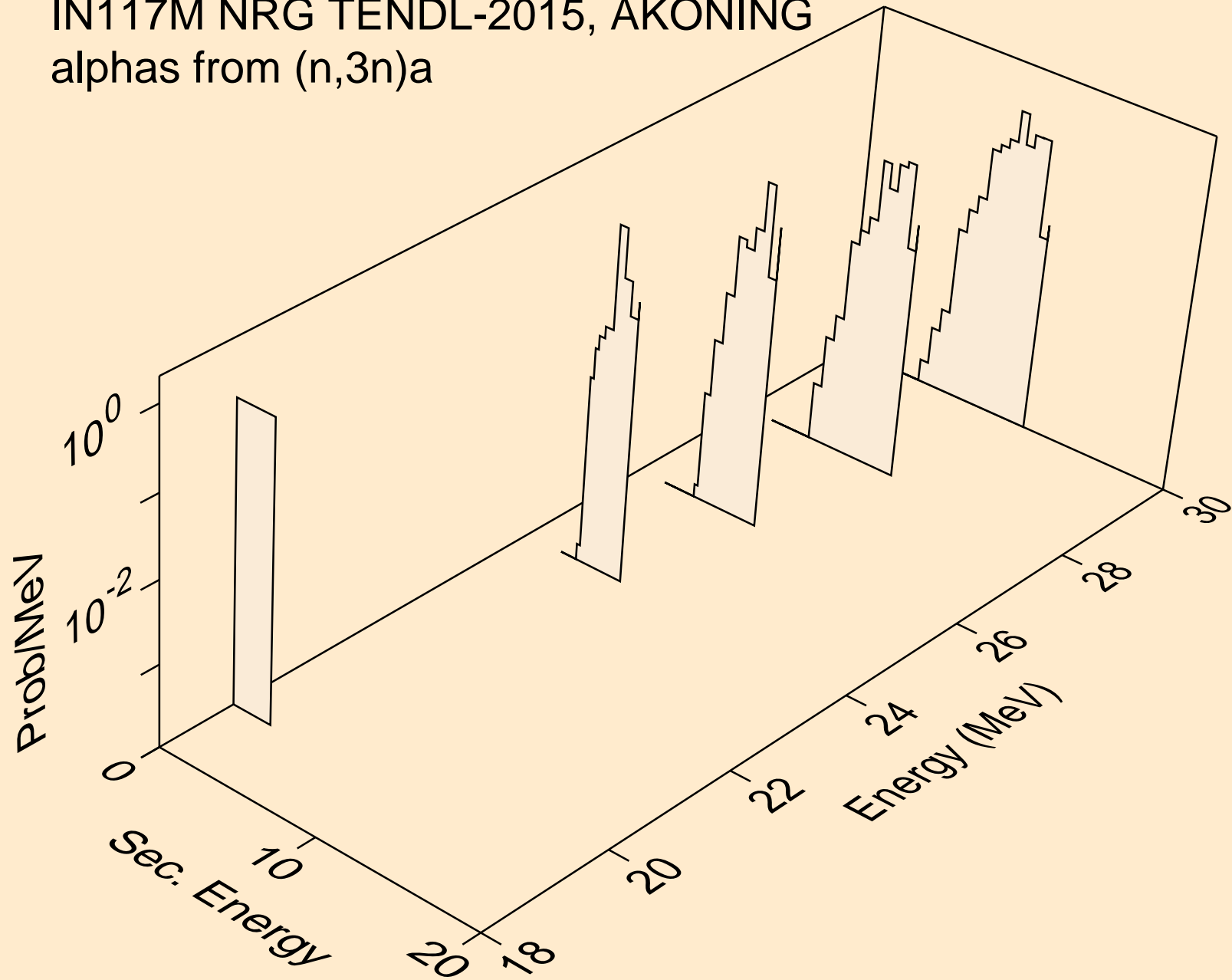




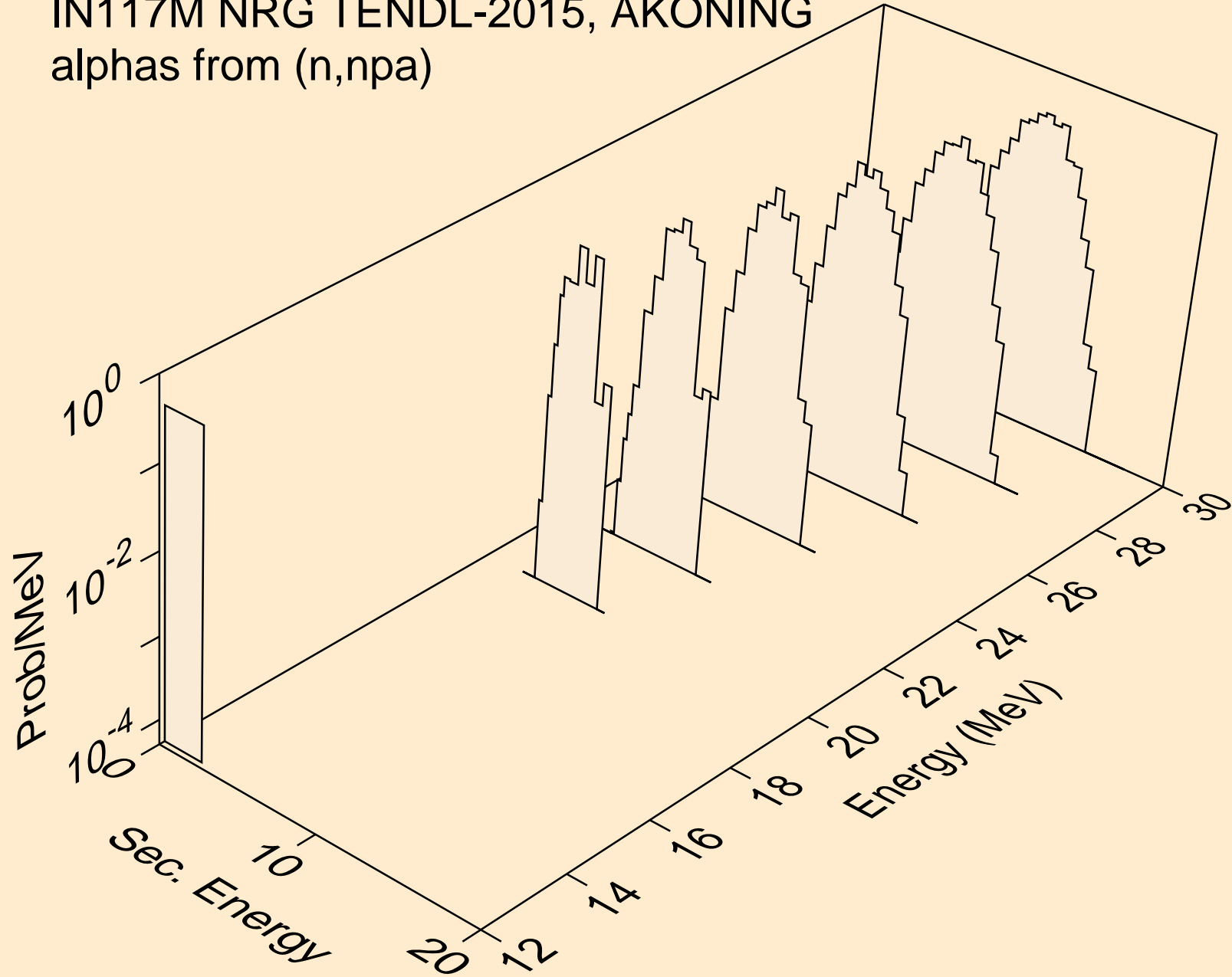
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alphas from (n,2n)a



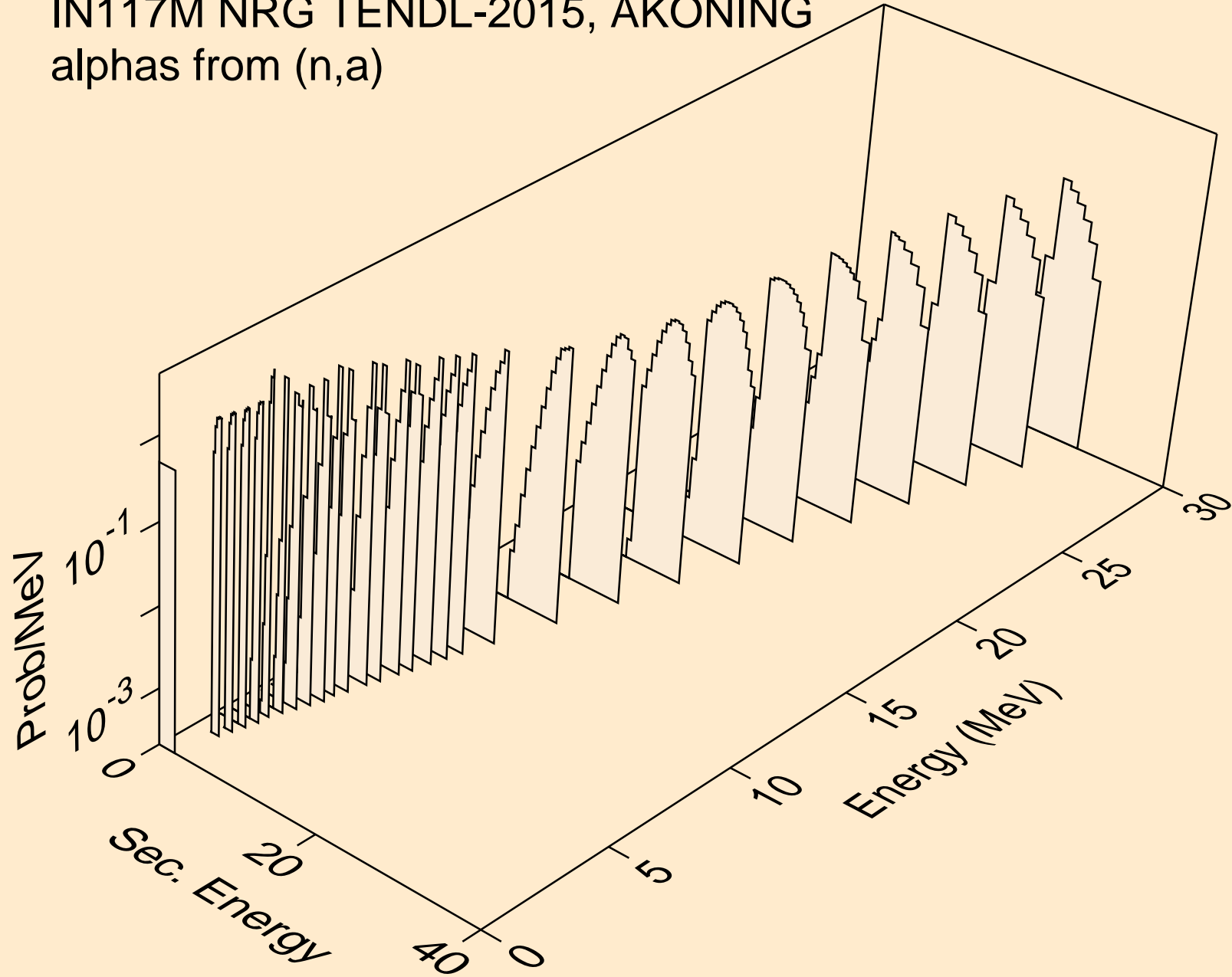
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alphas from (n,3n)a



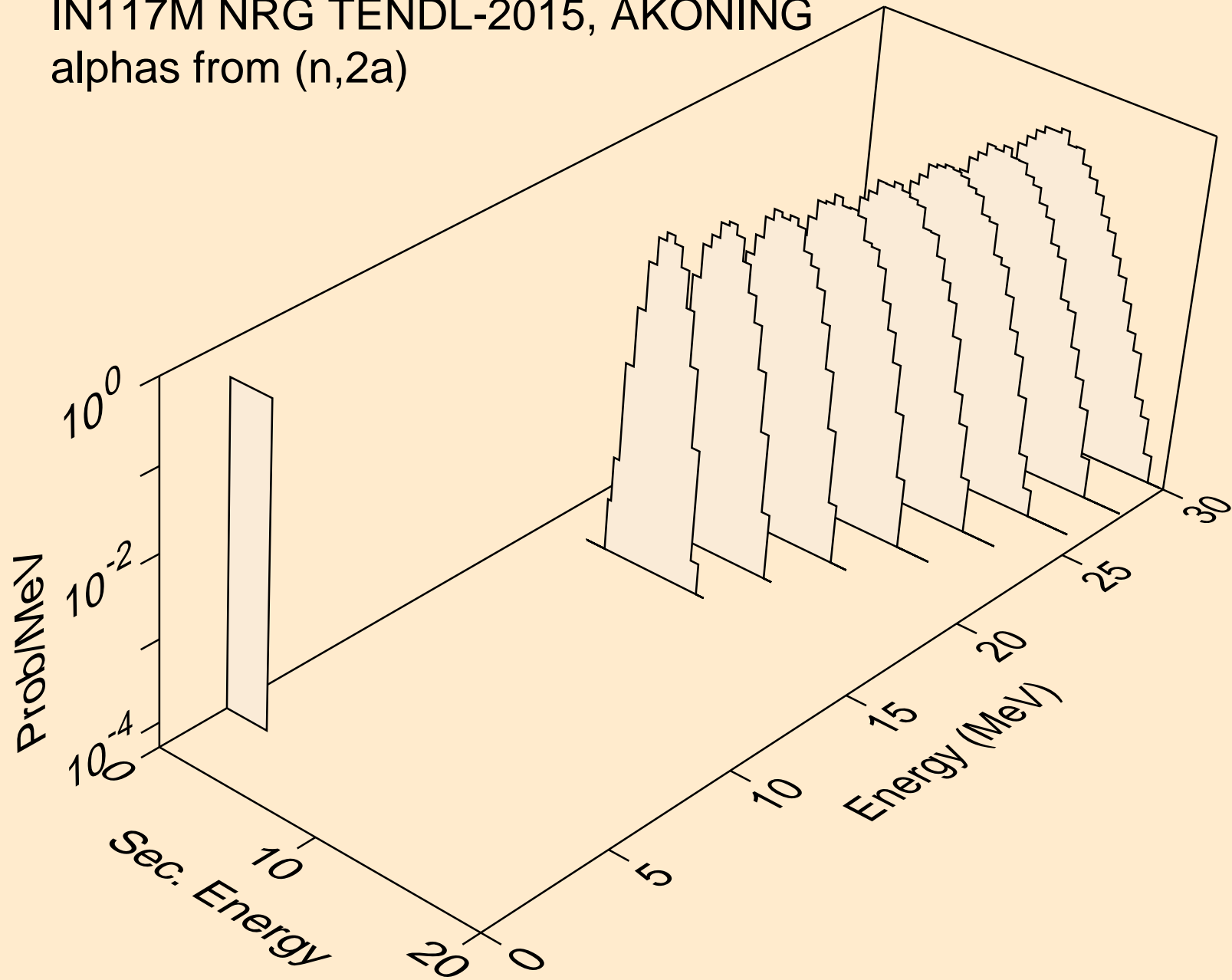
IN117M NRG TENDL-2015, AKONING  
alphas from (n,npa)



IN117M NRG TENDL-2015, AKONING  
alphas from (n,a)



IN117M NRG TENDL-2015, AKONING  
alphas from (n,2a)



IN117M NRG TENDL-2015, AKONING  
alphas from (n,pa)

