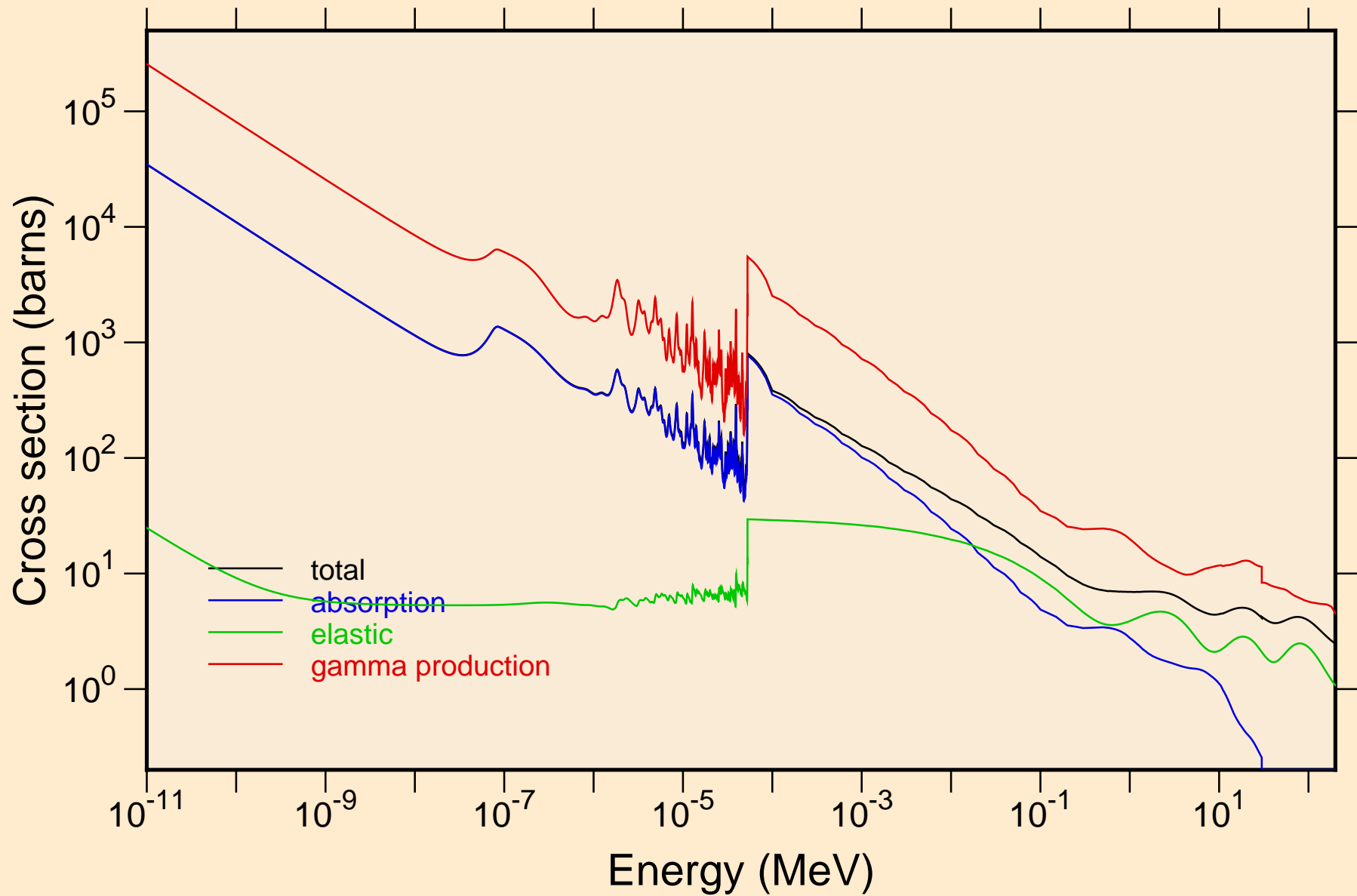
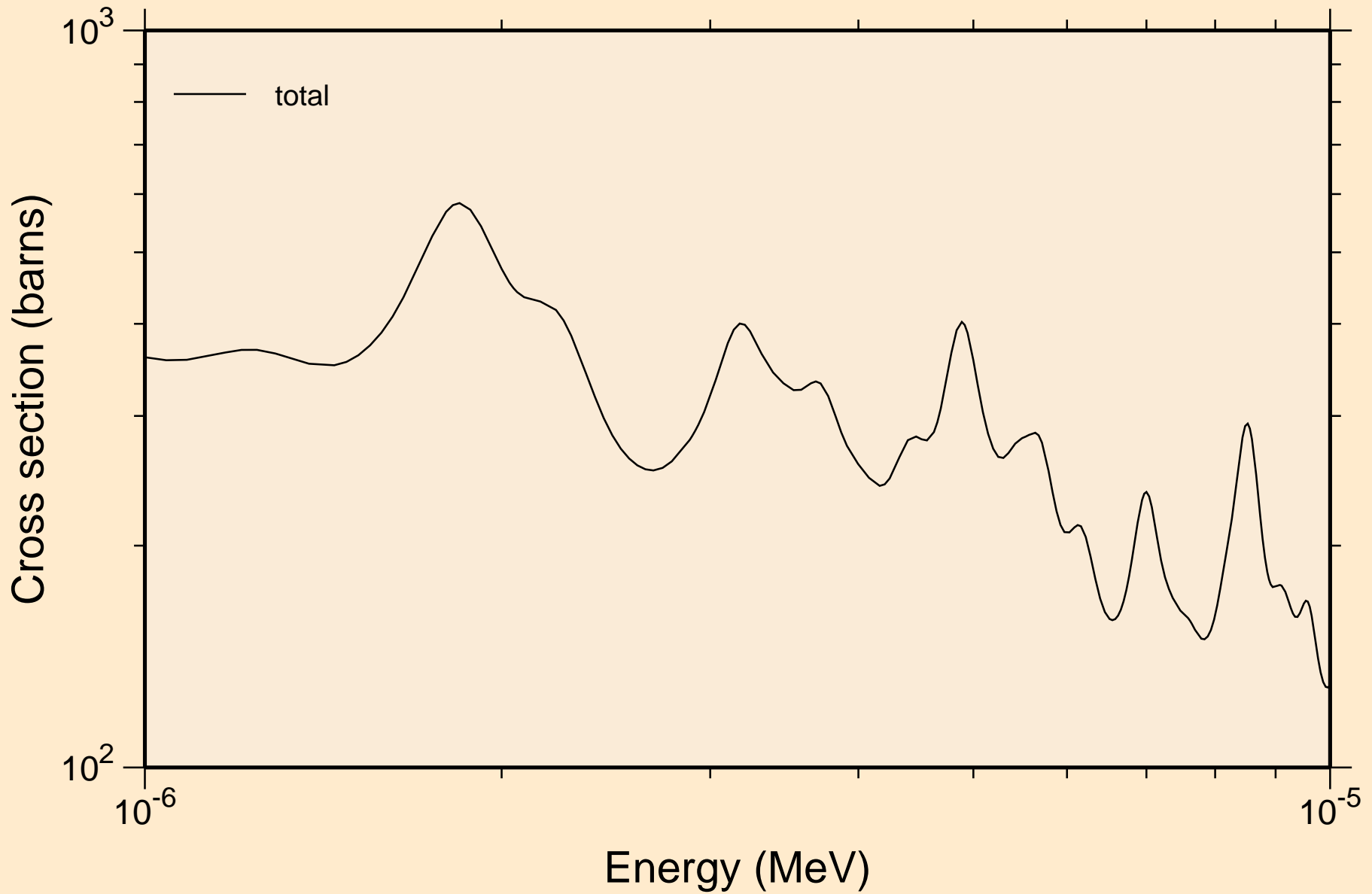


# LU157M NRG TENDL-2015, AKONING

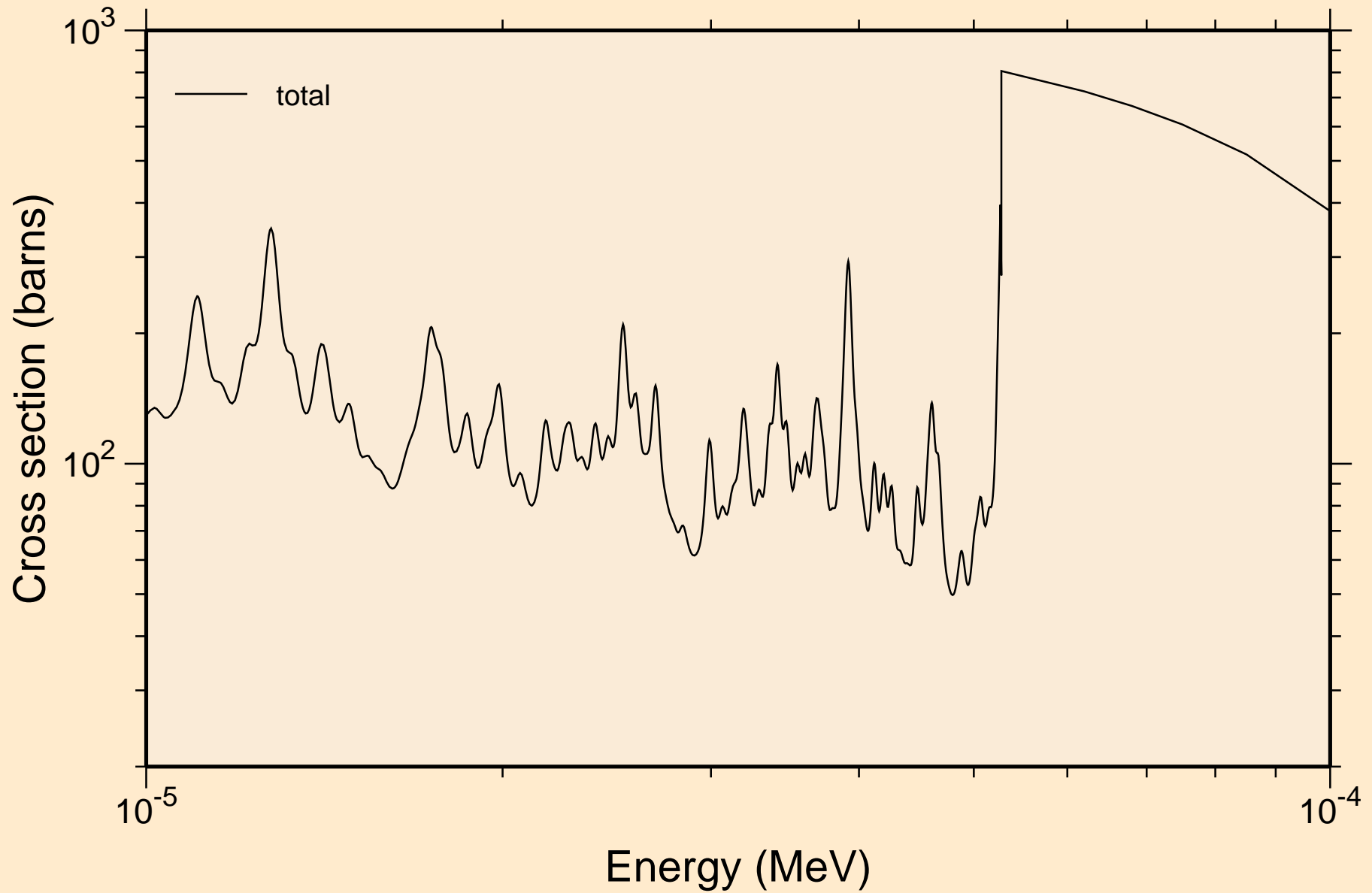
## Principal cross sections



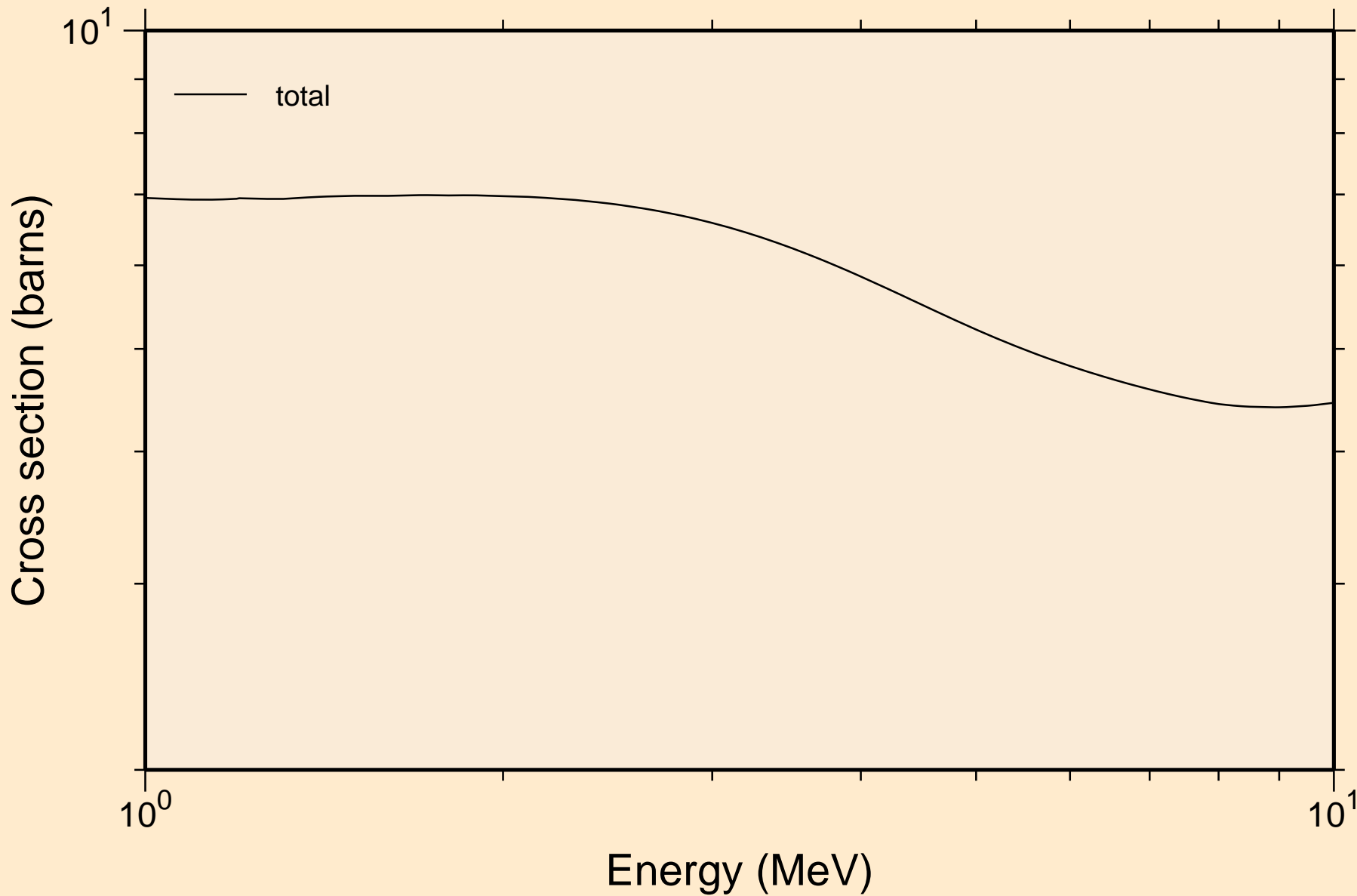
LU157M NRG TENDL-2015, AKONING  
resonance total cross section



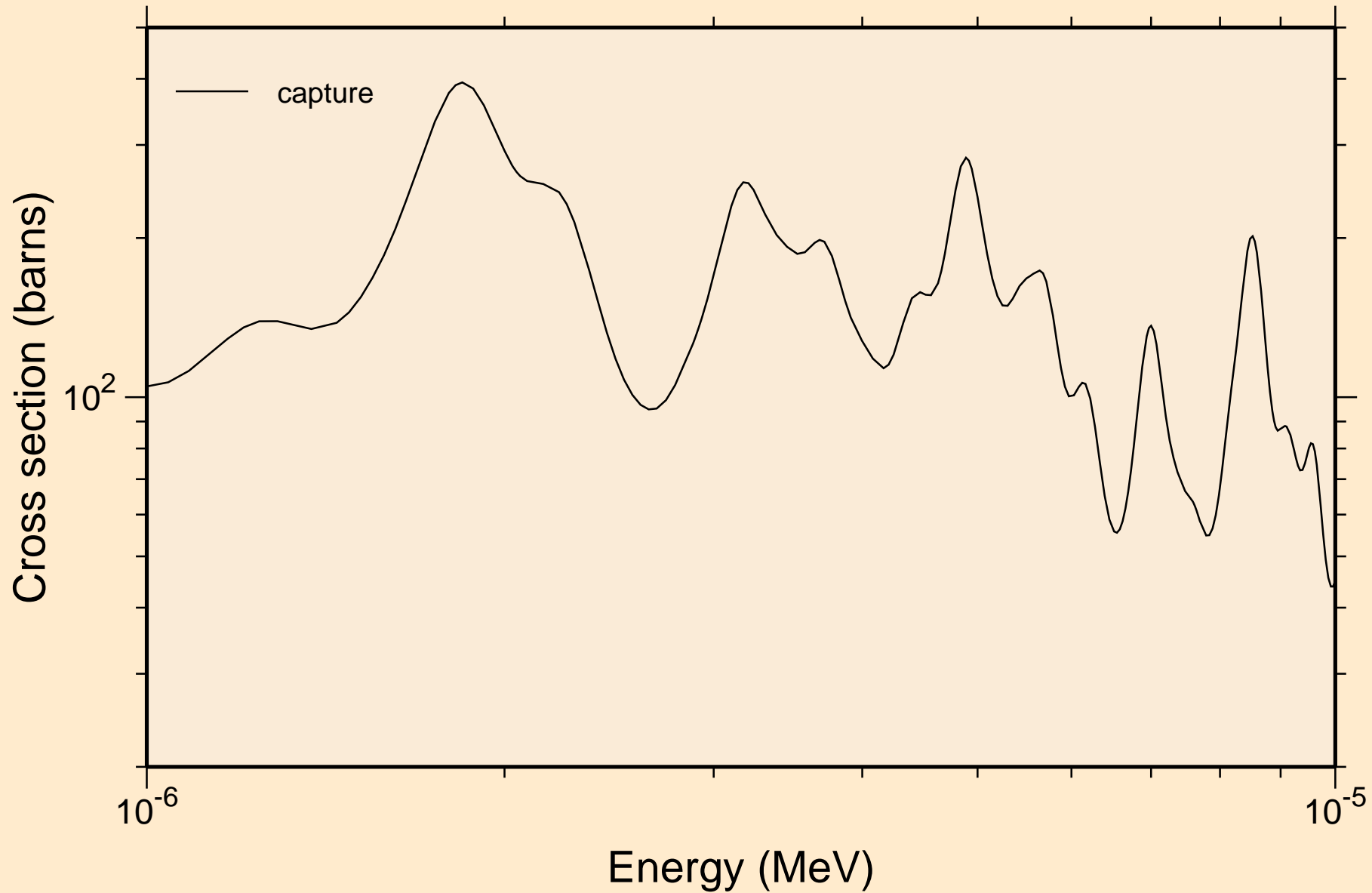
LU157M NRG TENDL-2015, AKONING  
resonance total cross section



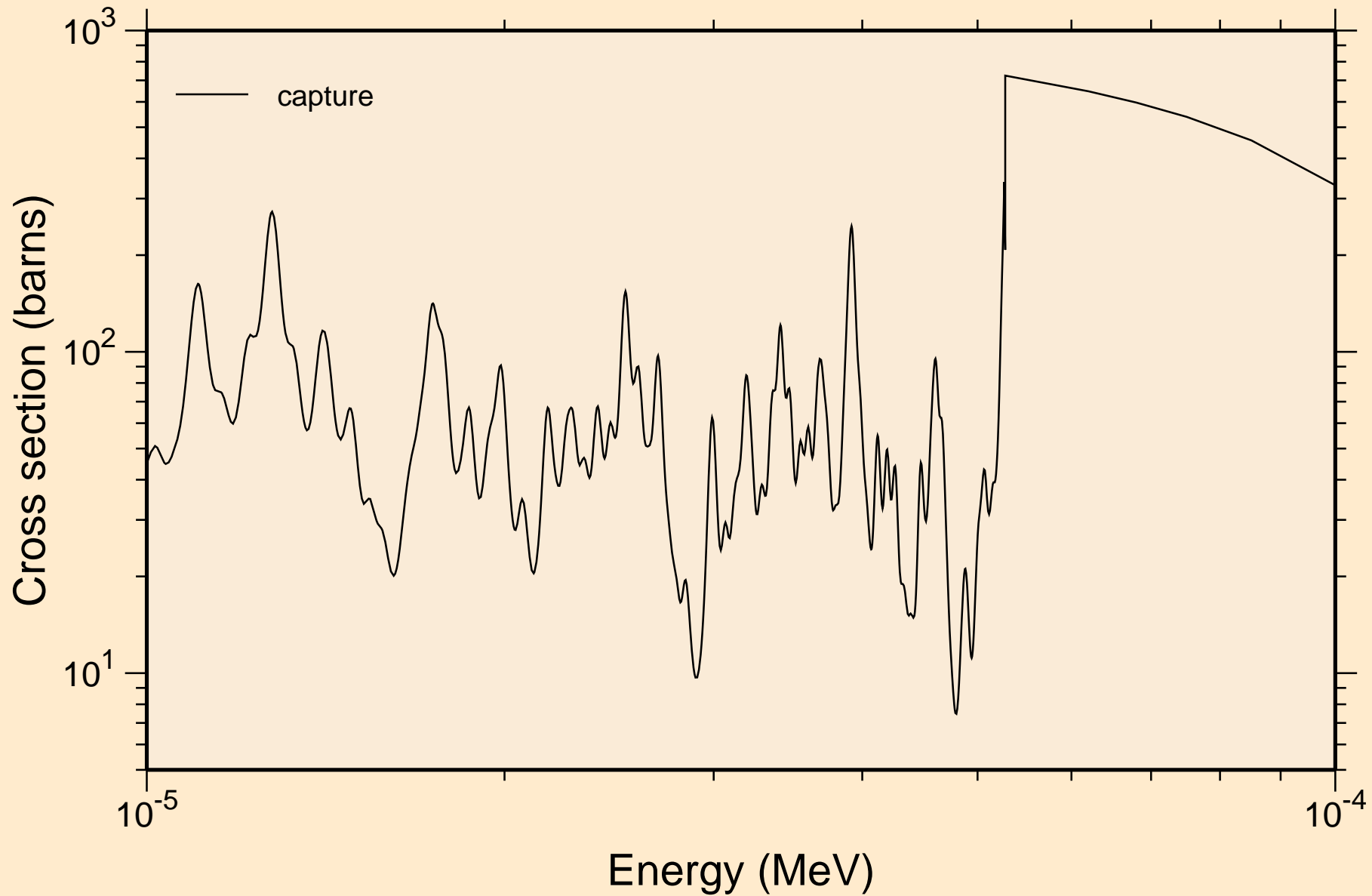
LU157M NRG TENDL-2015, AKONING  
resonance total cross section



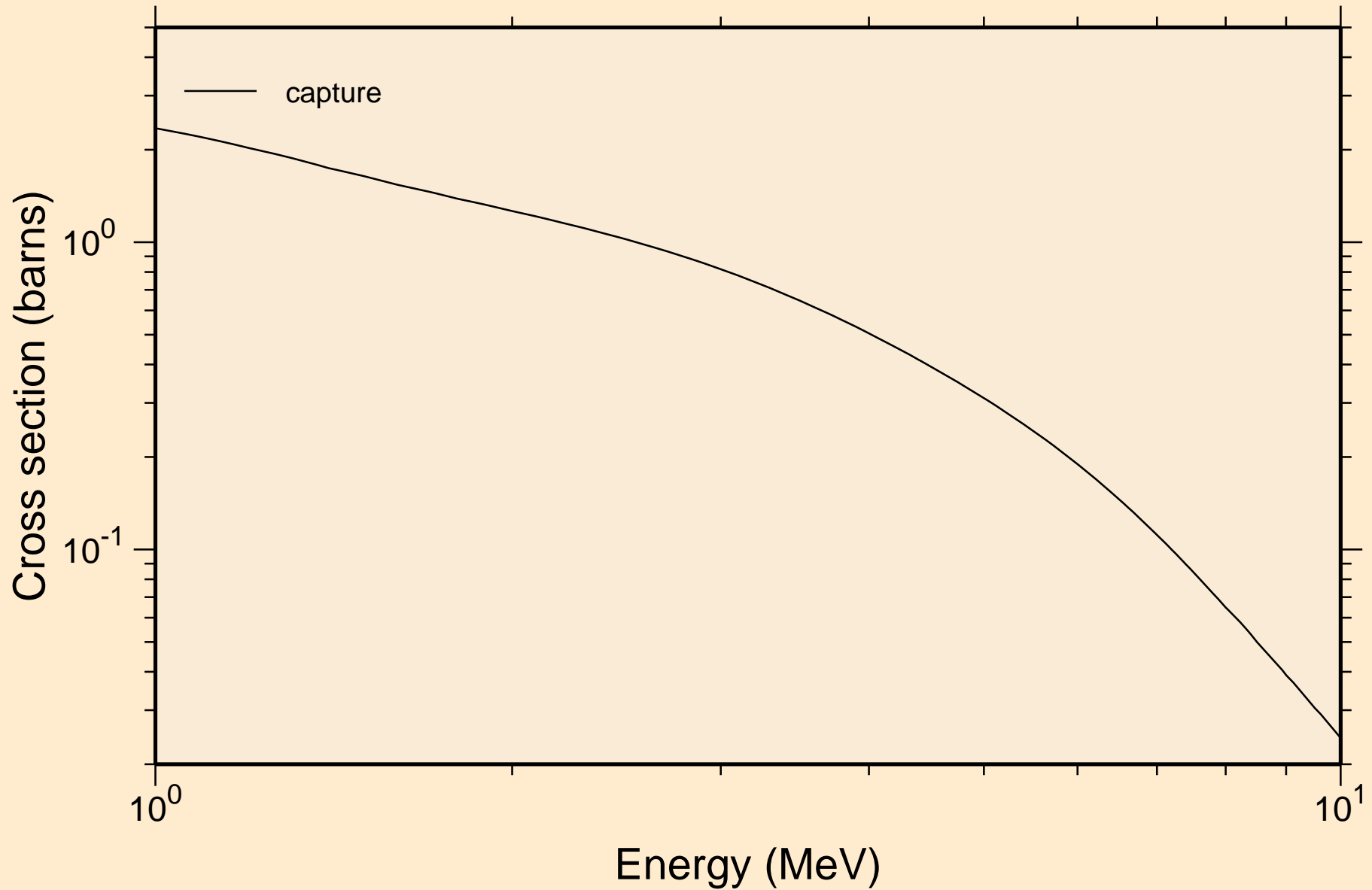
LU157M NRG TENDL-2015, AKONING  
resonance absorption cross sections



LU157M NRG TENDL-2015, AKONING  
resonance absorption cross sections

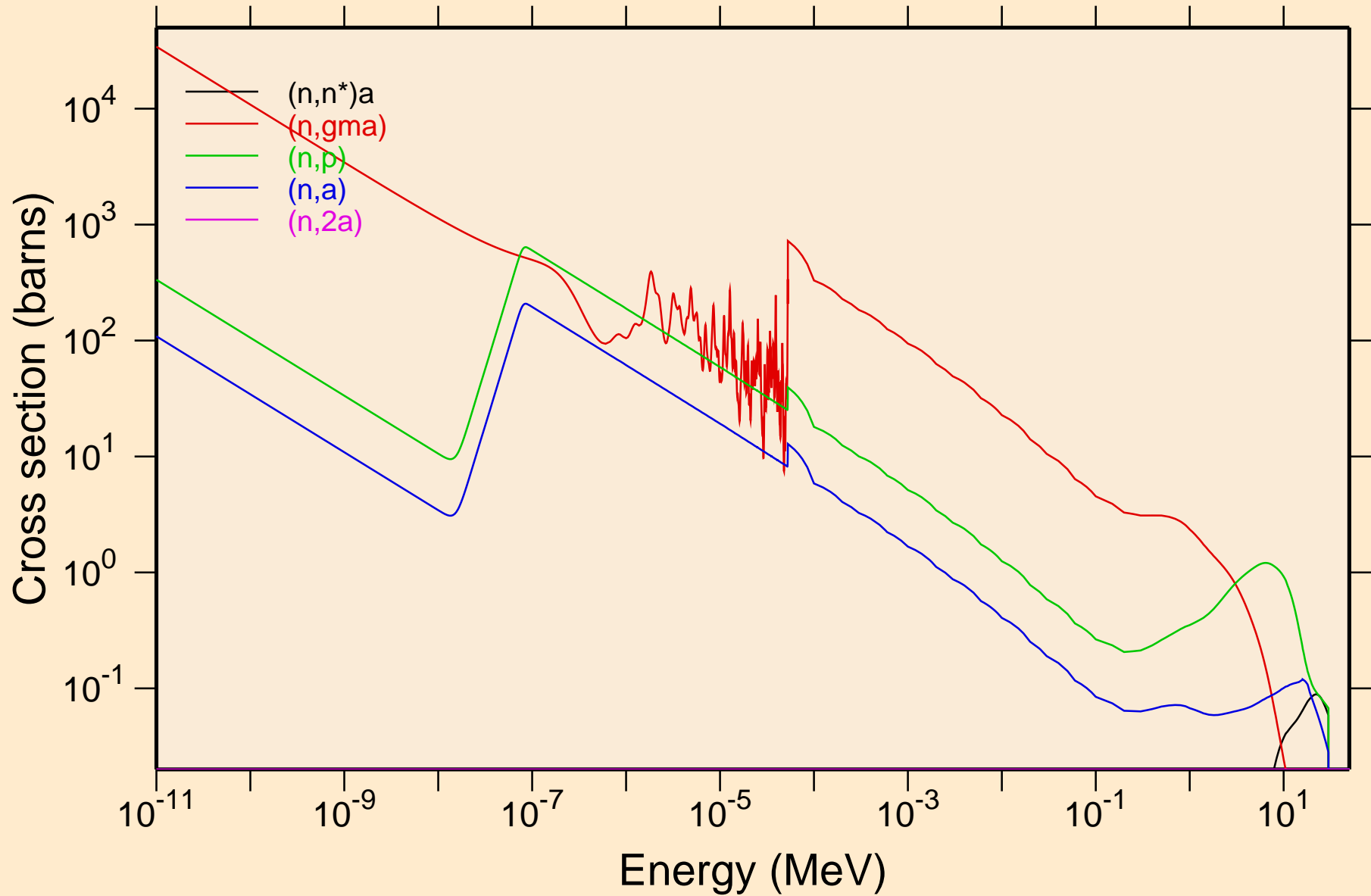


LU157M NRG TENDL-2015, AKONING  
resonance absorption cross sections



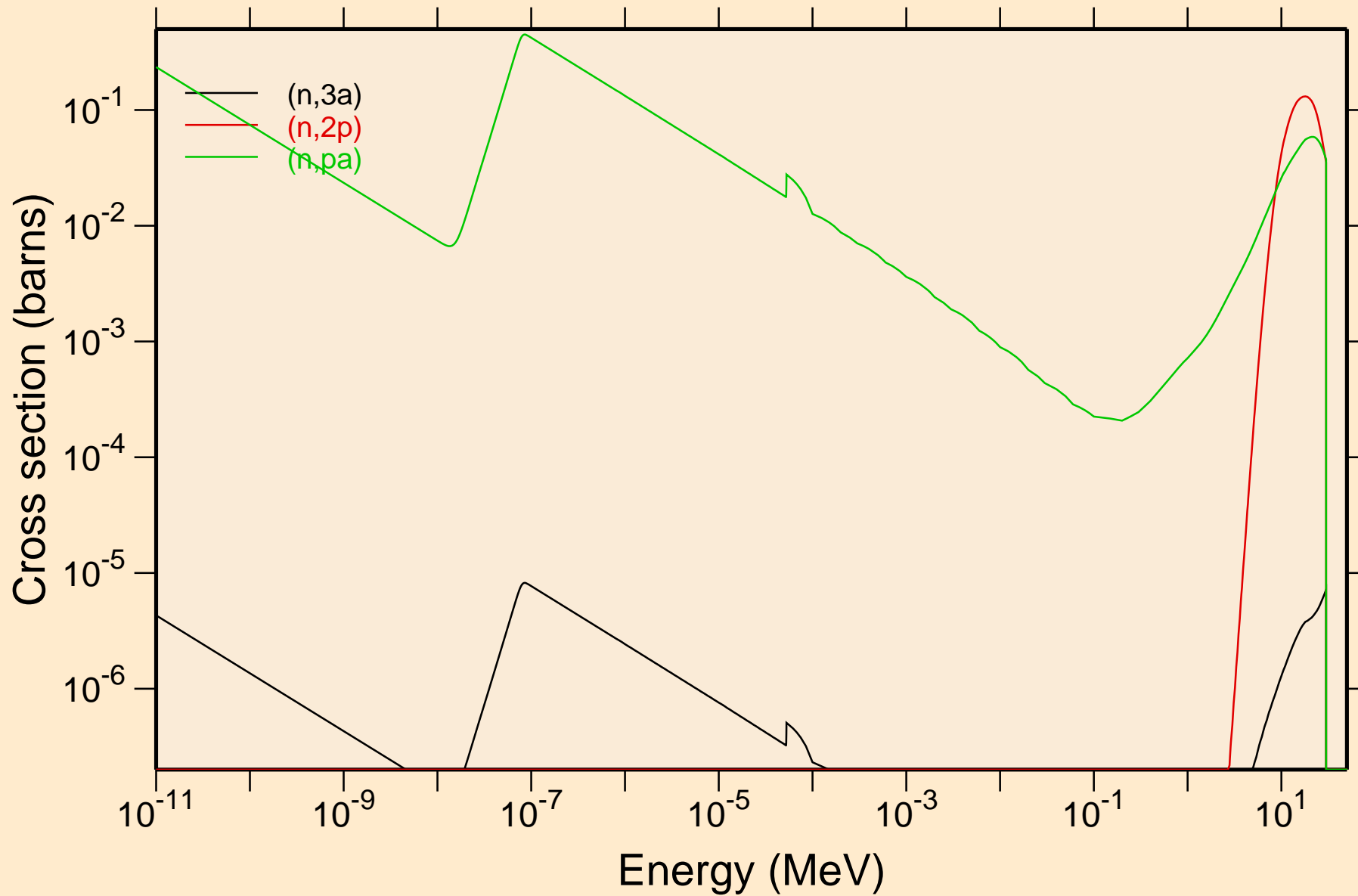
# LU157M NRG TENDL-2015, AKONING

## Non-threshold reactions



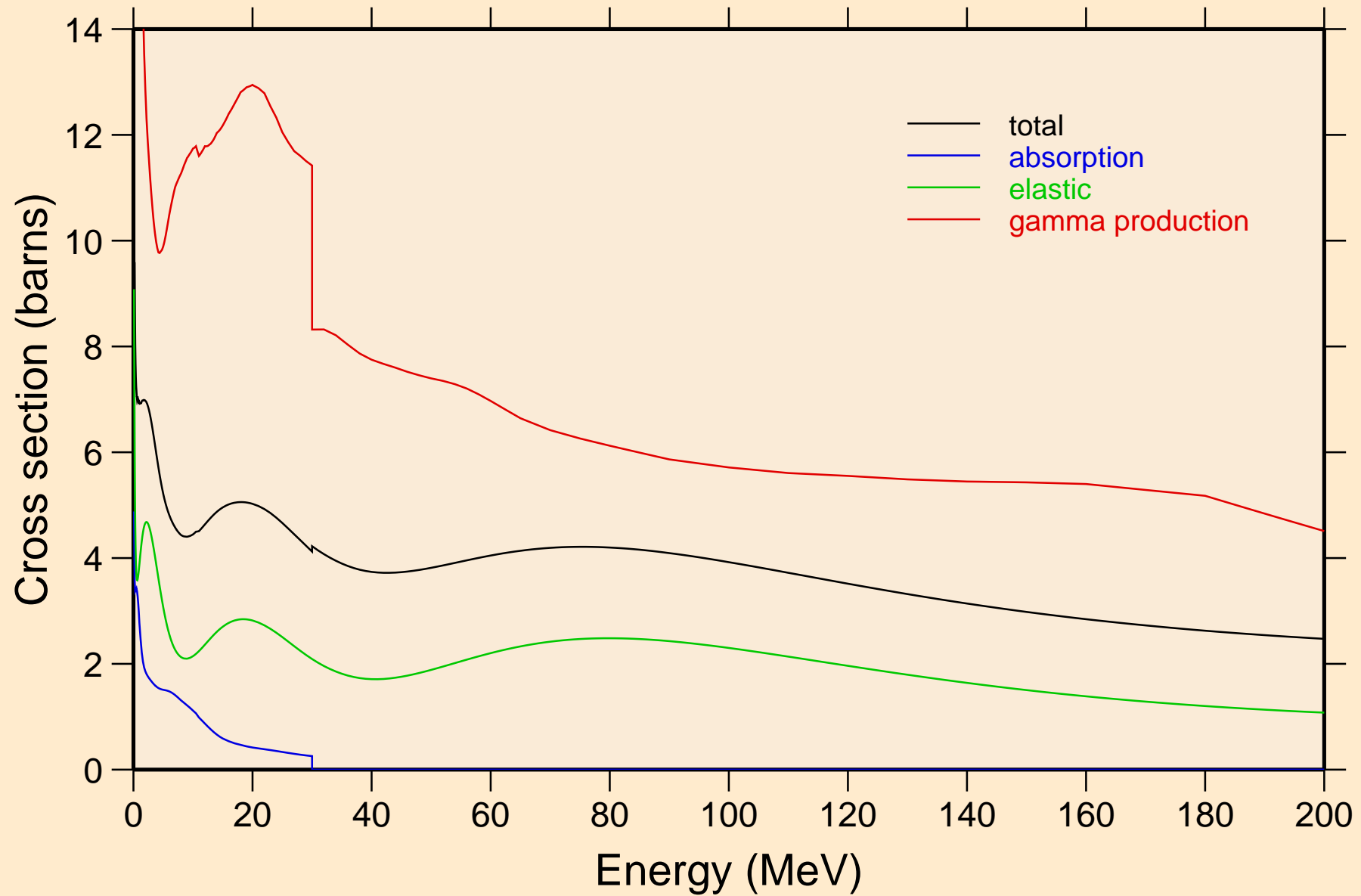


LU157M NRG TENDL-2015, AKONING  
Non-threshold reactions



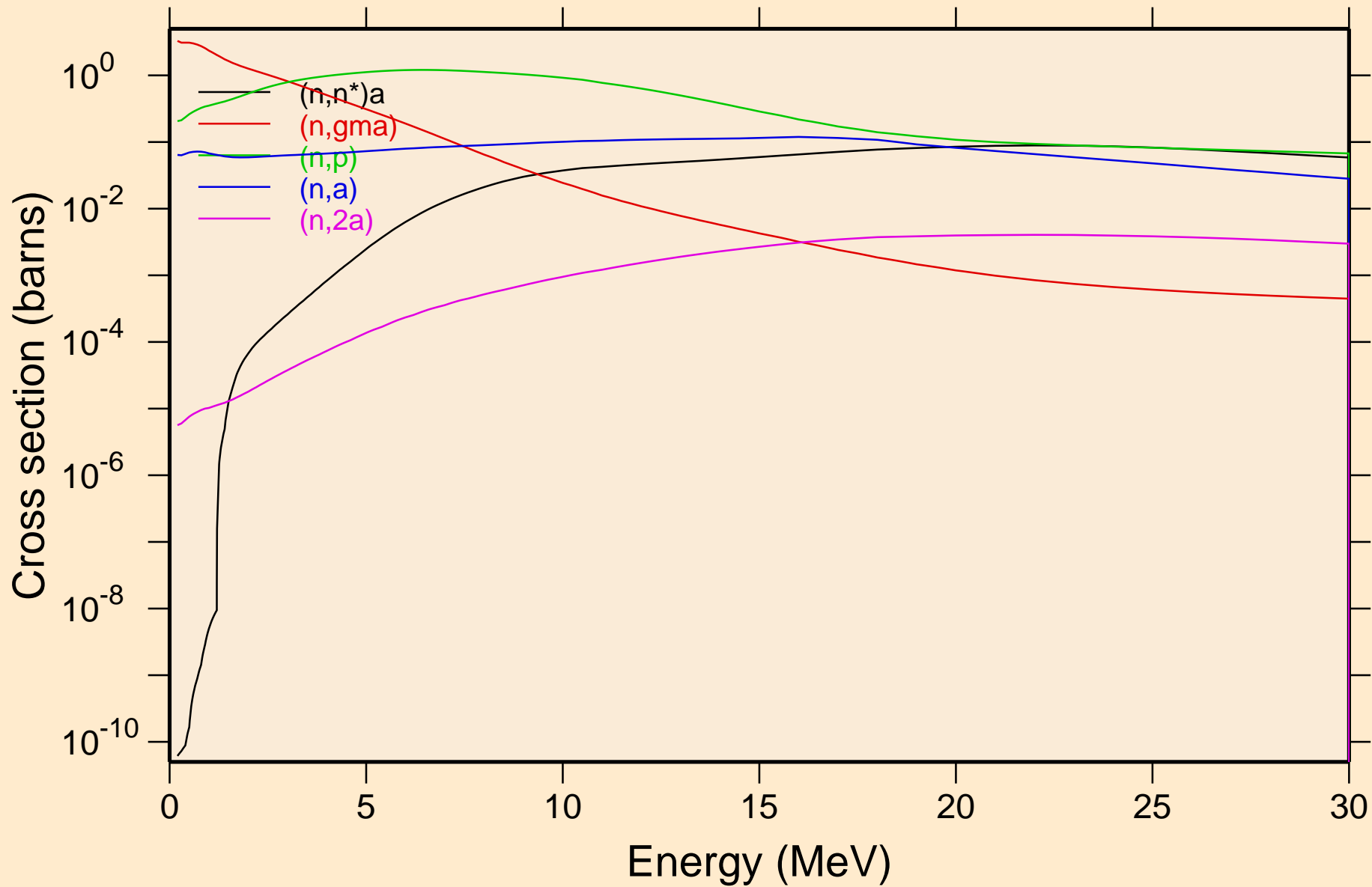
# LU157M NRG TENDL-2015, AKONING

## Principal cross sections



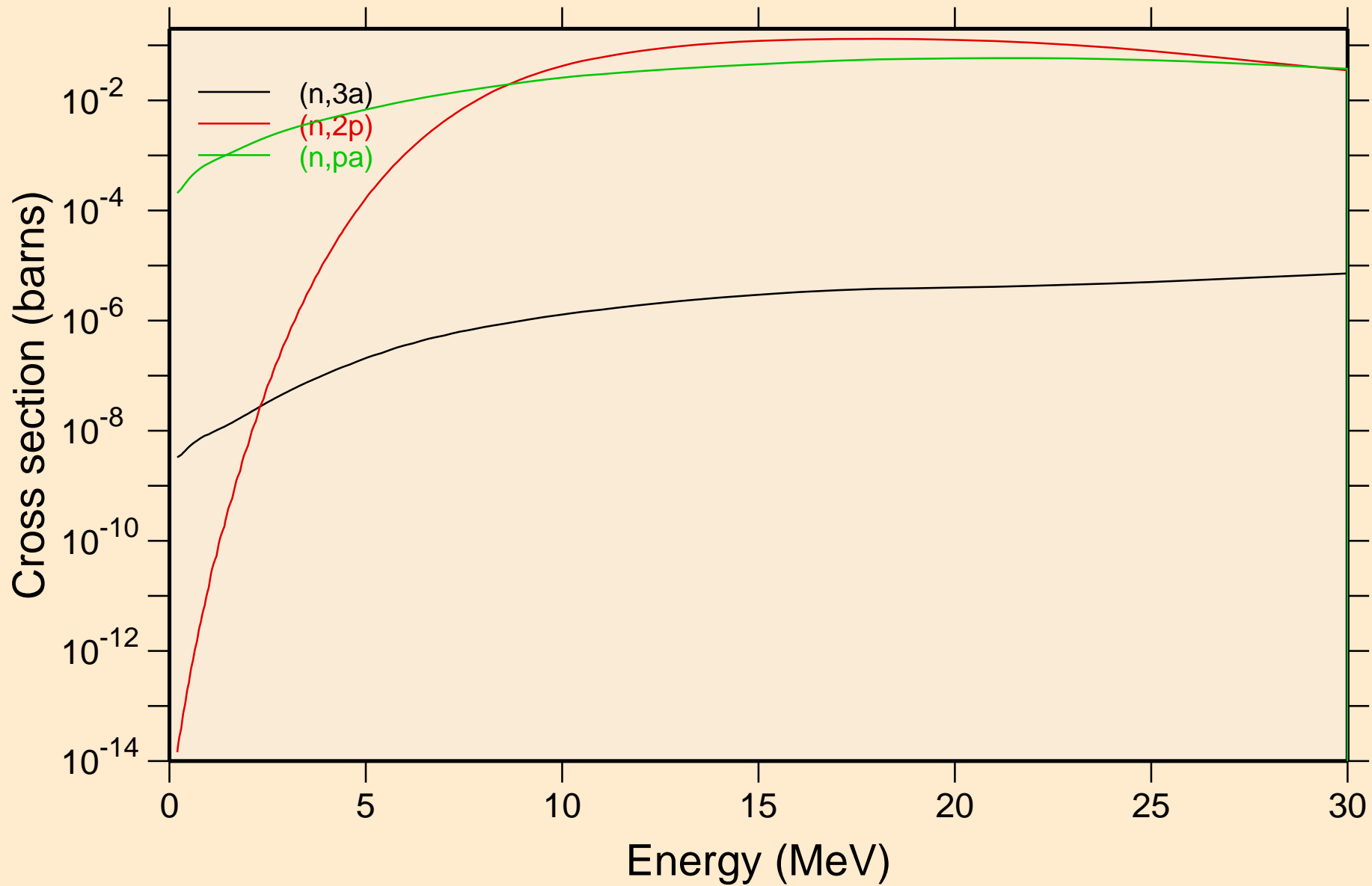
# LU157M NRG TENDL-2015, AKONING

## Non-threshold reactions



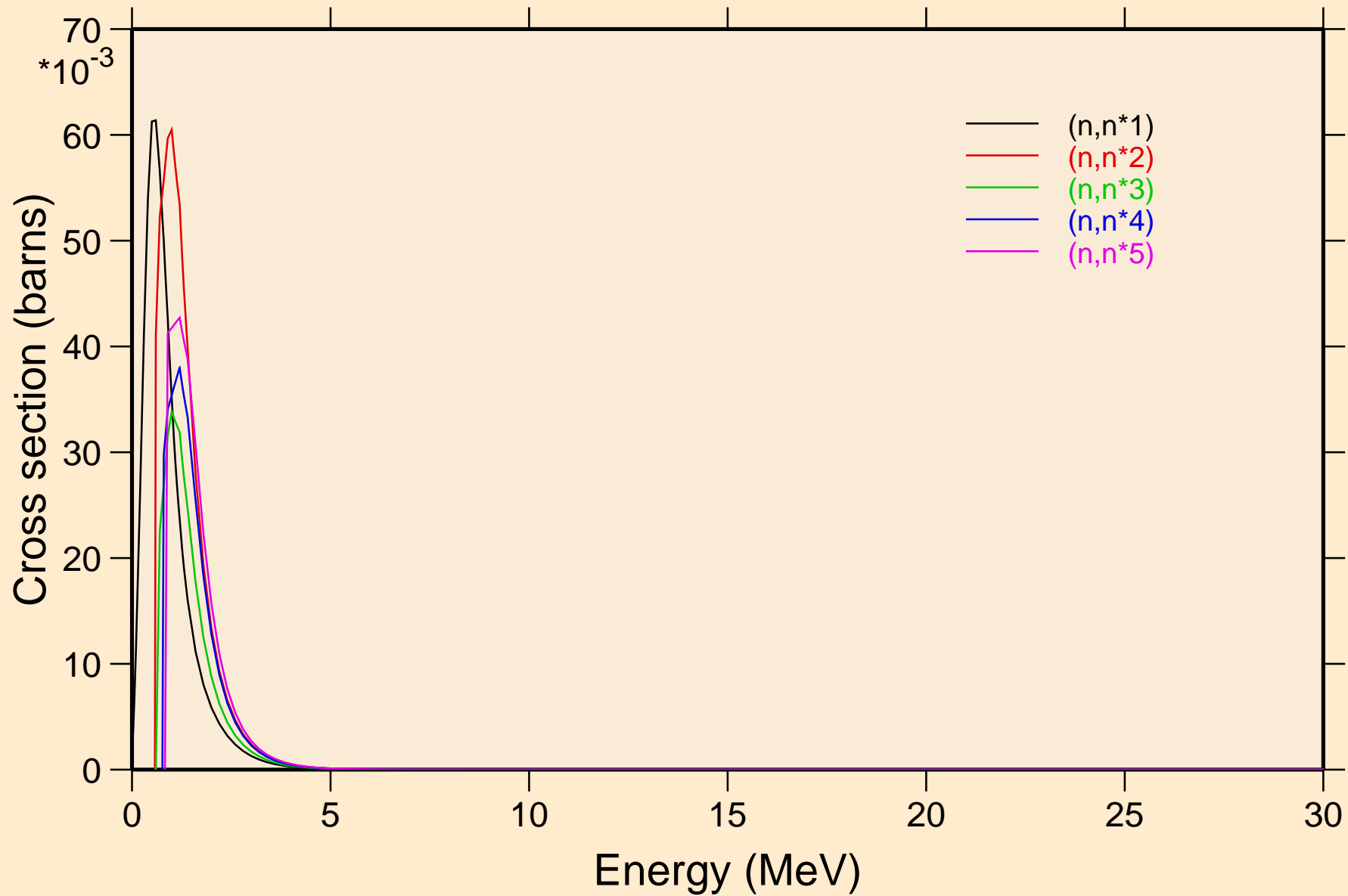
# LU157M NRG TENDL-2015, AKONING

## Non-threshold reactions



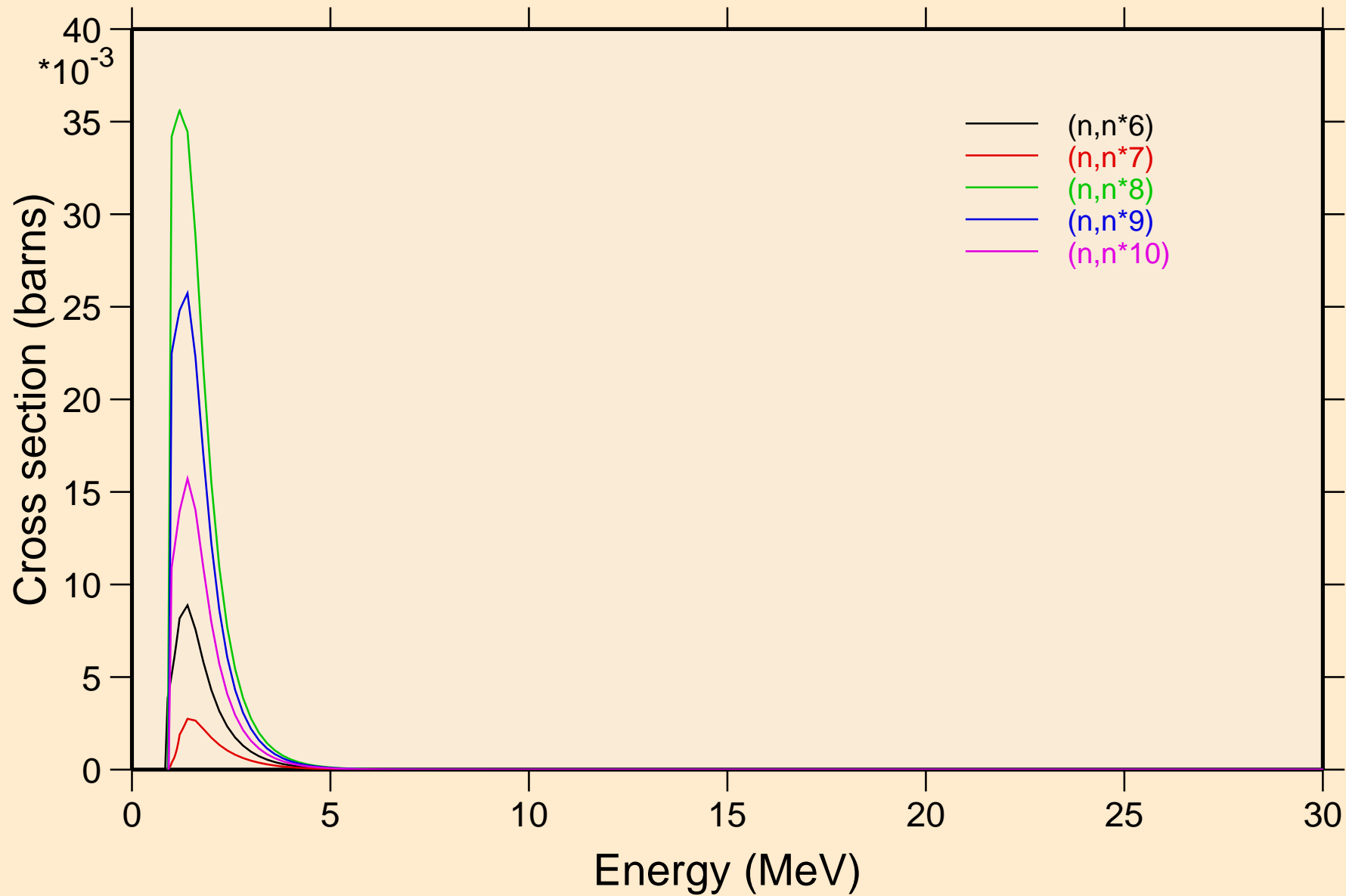
# LU157M NRG TENDL-2015, AKONING

## Inelastic levels



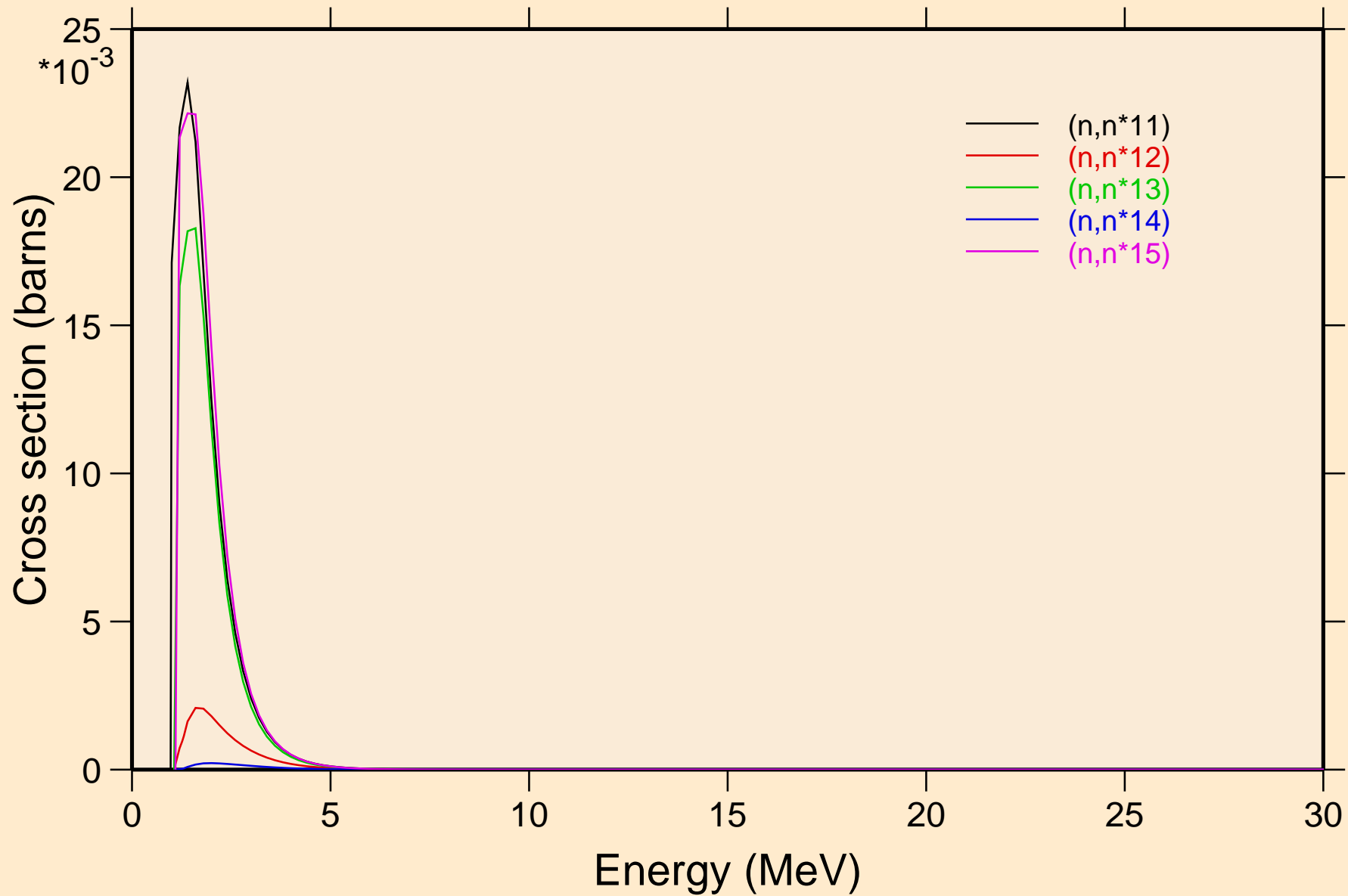
# LU157M NRG TENDL-2015, AKONING

## Inelastic levels

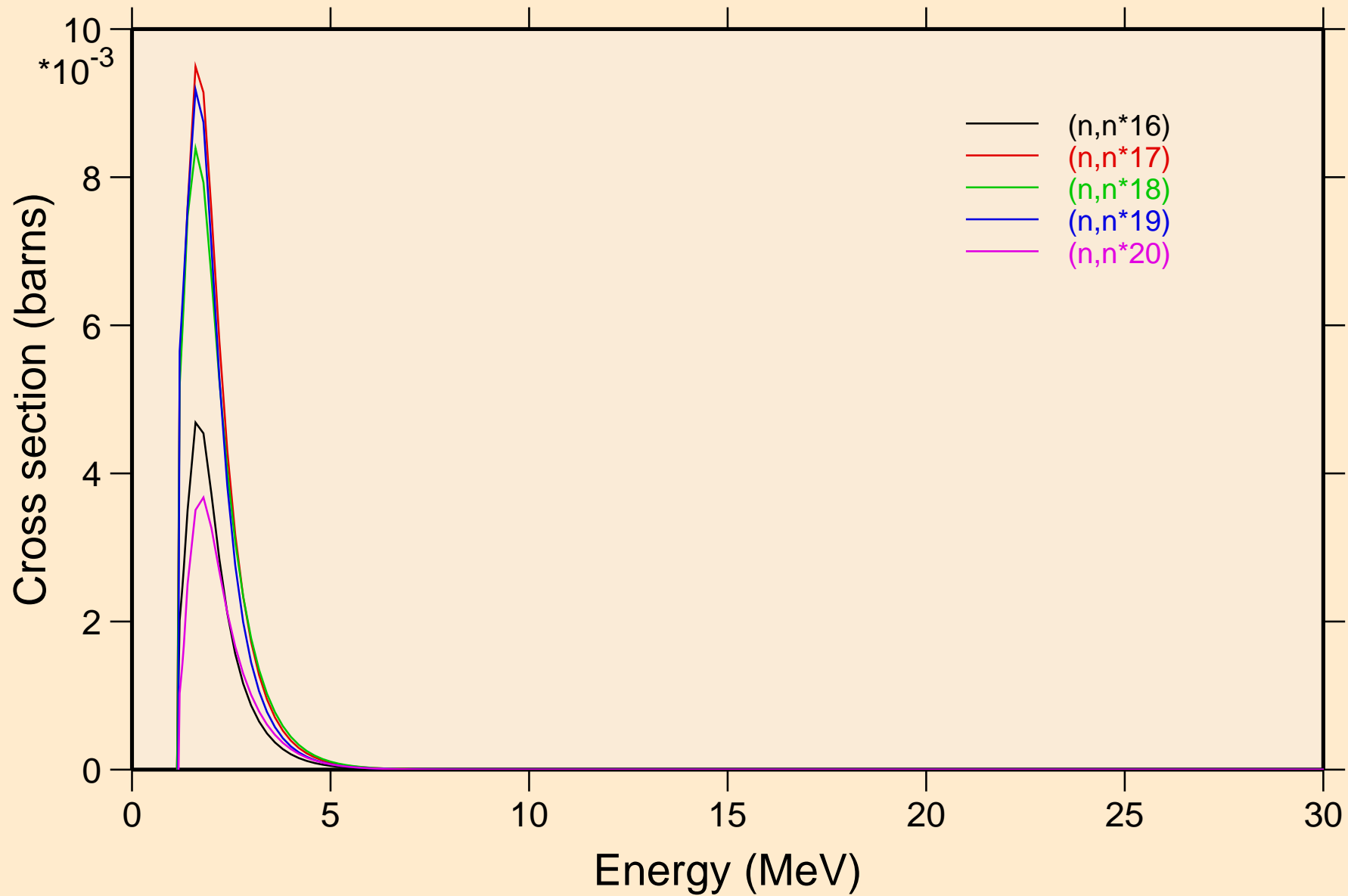


# LU157M NRG TENDL-2015, AKONING

## Inelastic levels



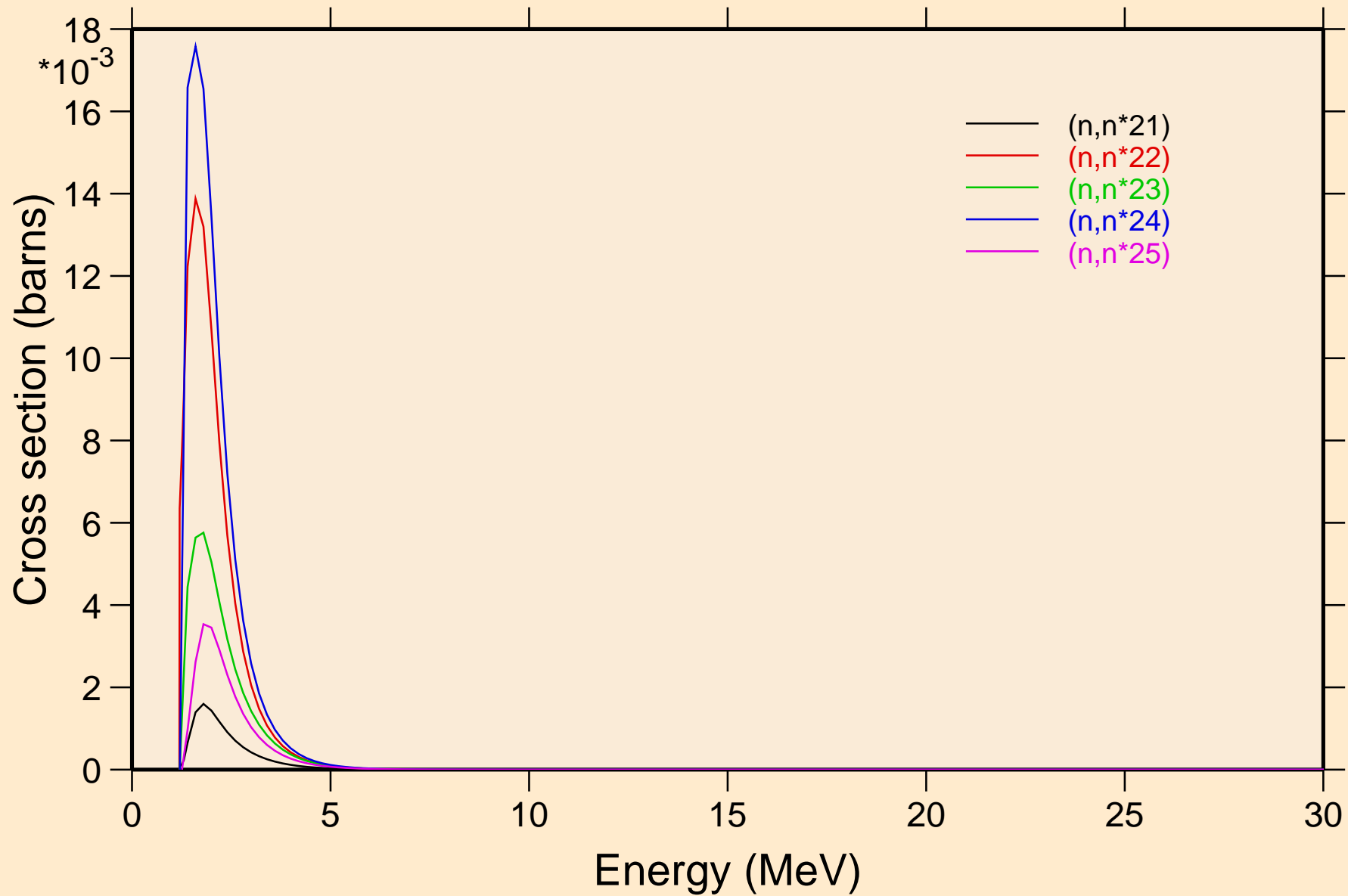
LU157M NRG TENDL-2015, AKONING  
Inelastic levels





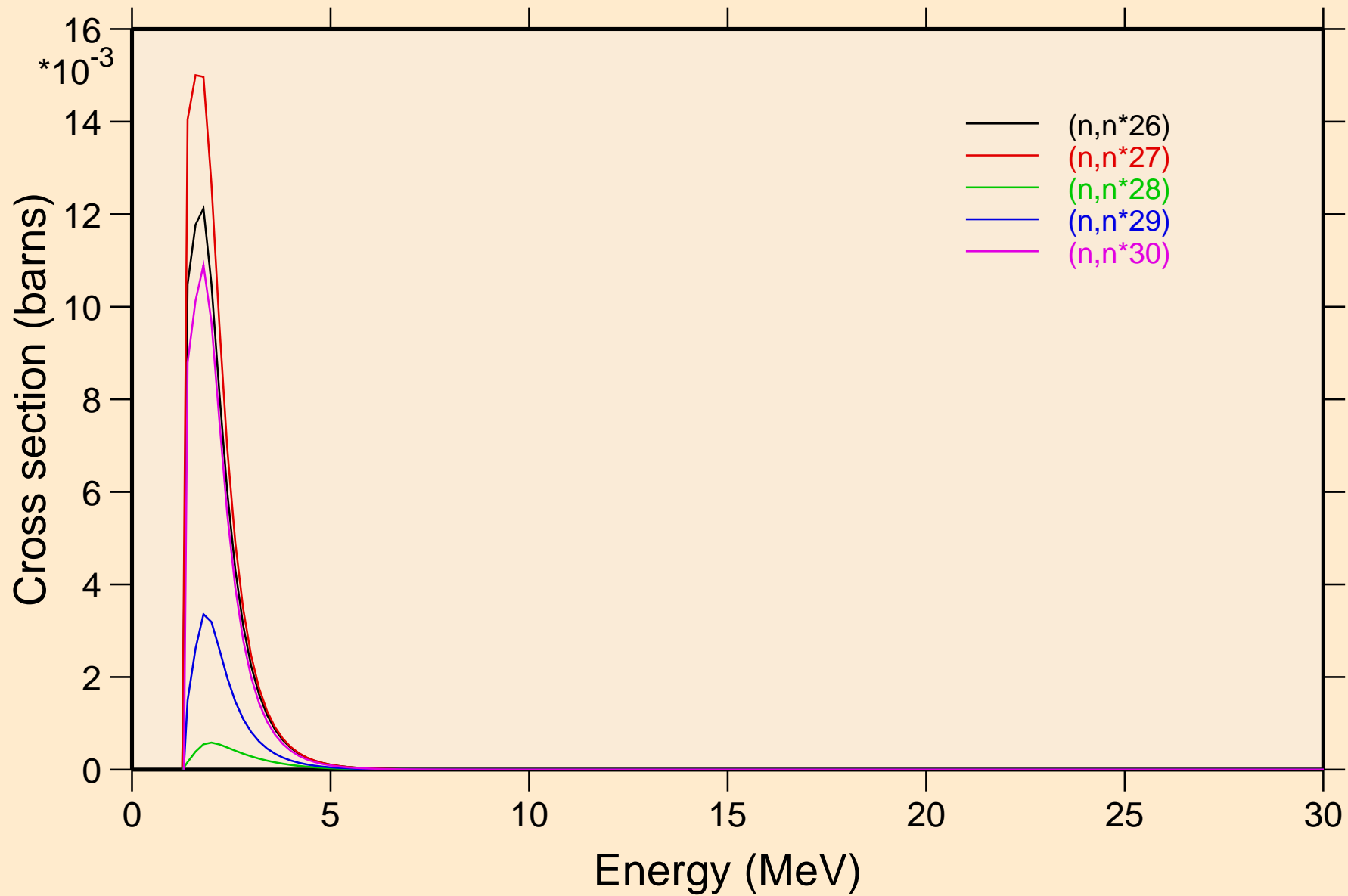
# LU157M NRG TENDL-2015, AKONING

## Inelastic levels



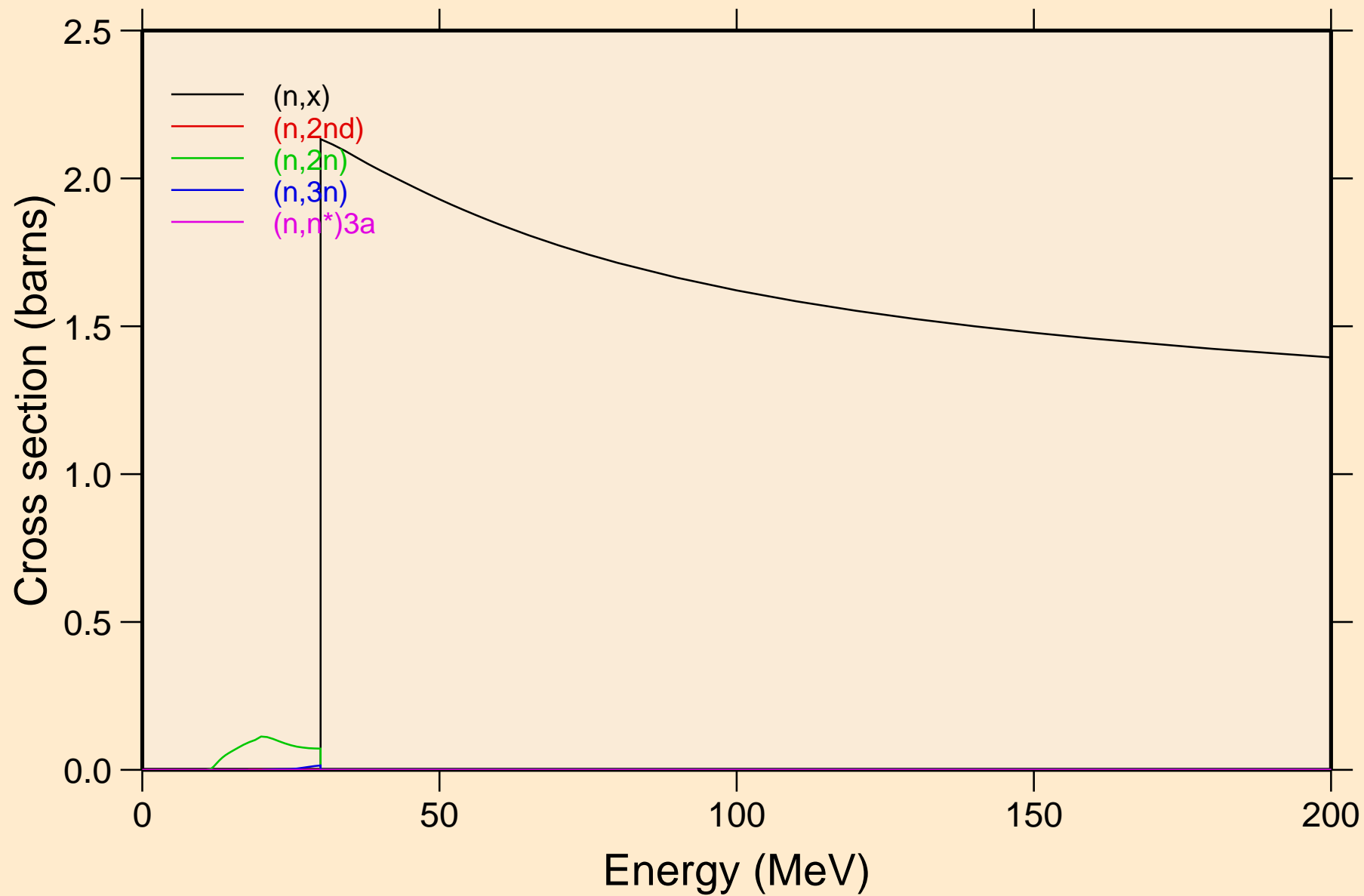
# LU157M NRG TENDL-2015, AKONING

## Inelastic levels



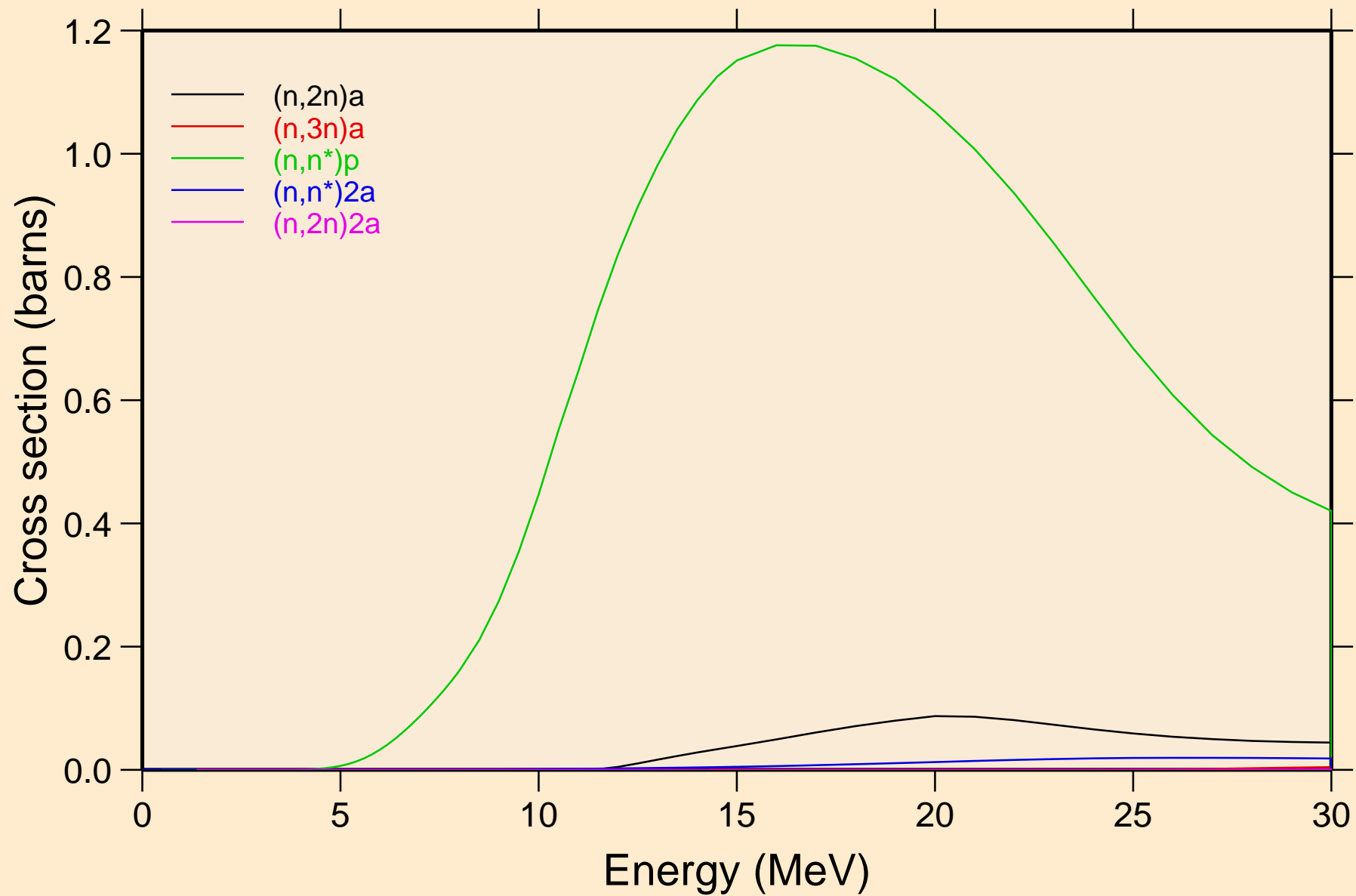
# LU157M NRG TENDL-2015, AKONING

## Threshold reactions



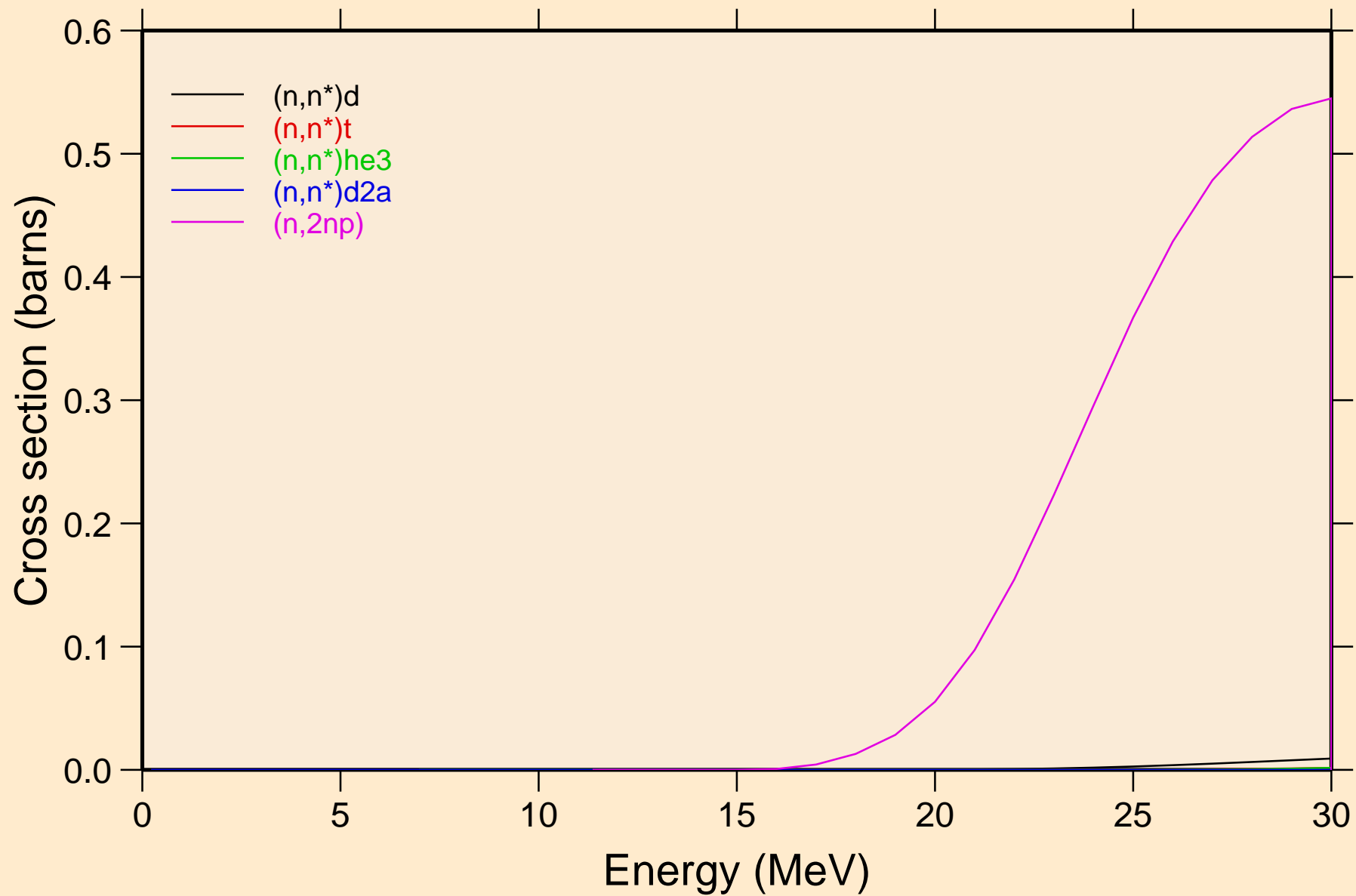
# LU157M NRG TENDL-2015, AKONING

## Threshold reactions



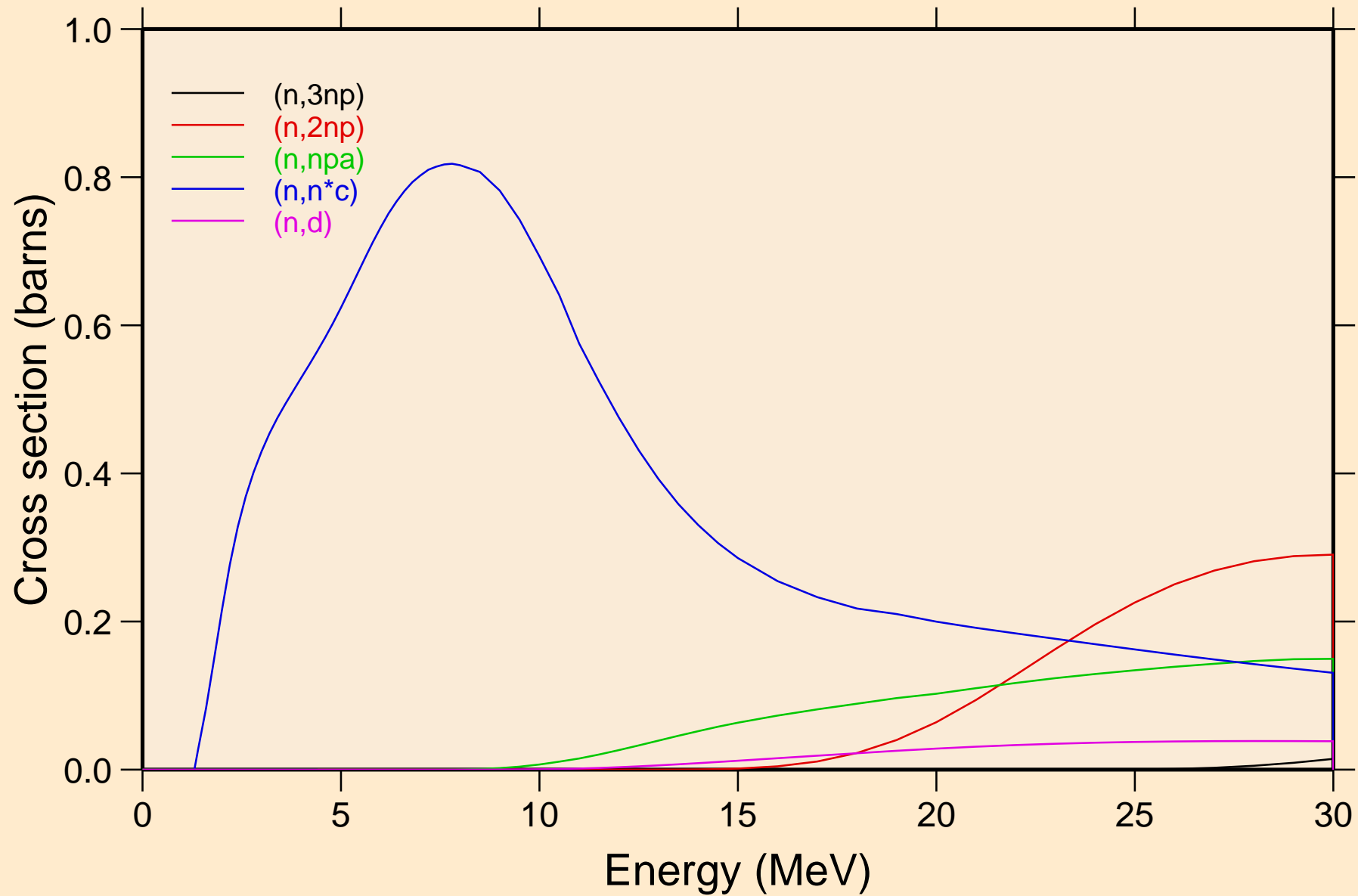
# LU157M NRG TENDL-2015, AKONING

## Threshold reactions



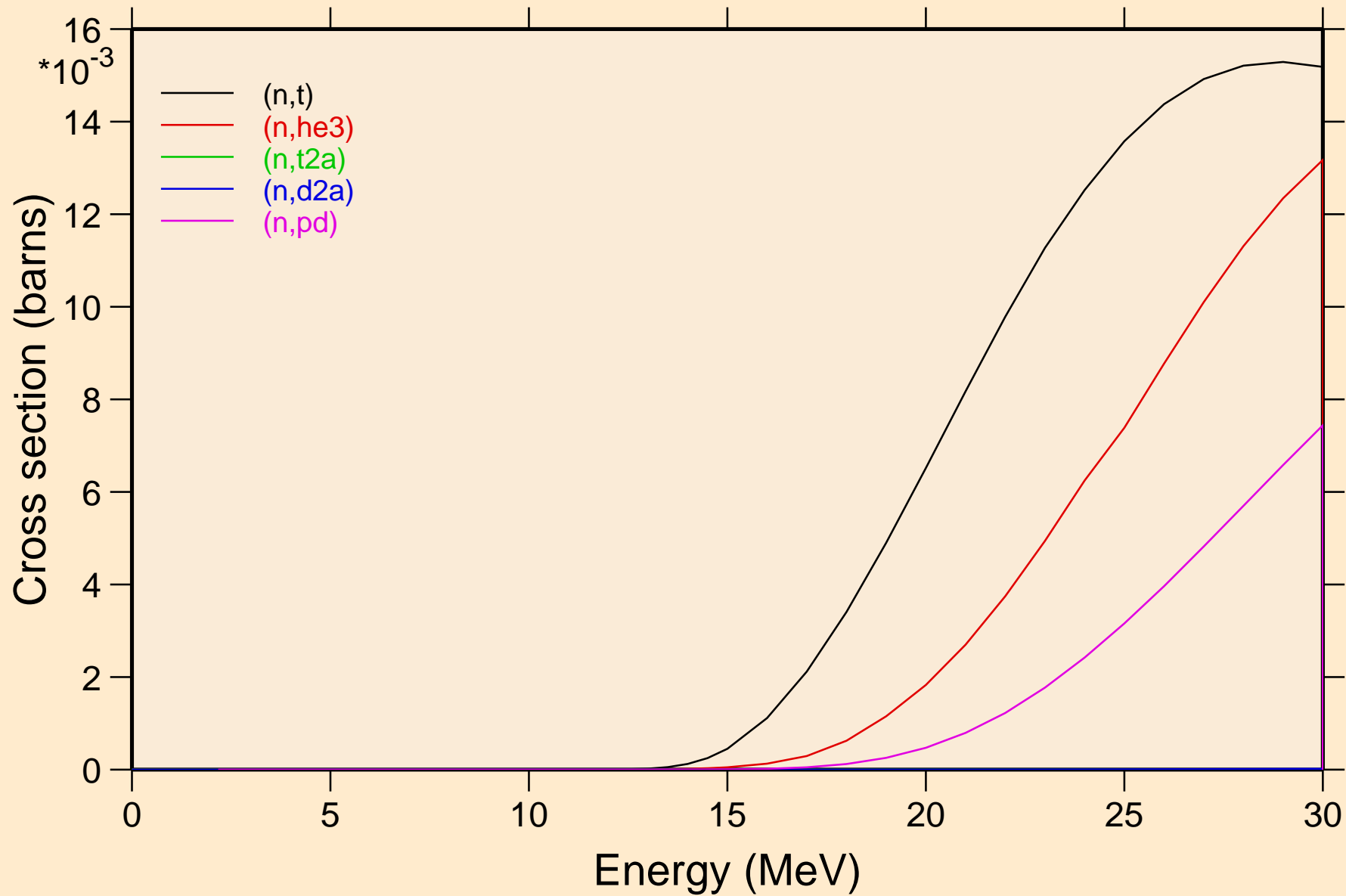
# LU157M NRG TENDL-2015, AKONING

## Threshold reactions



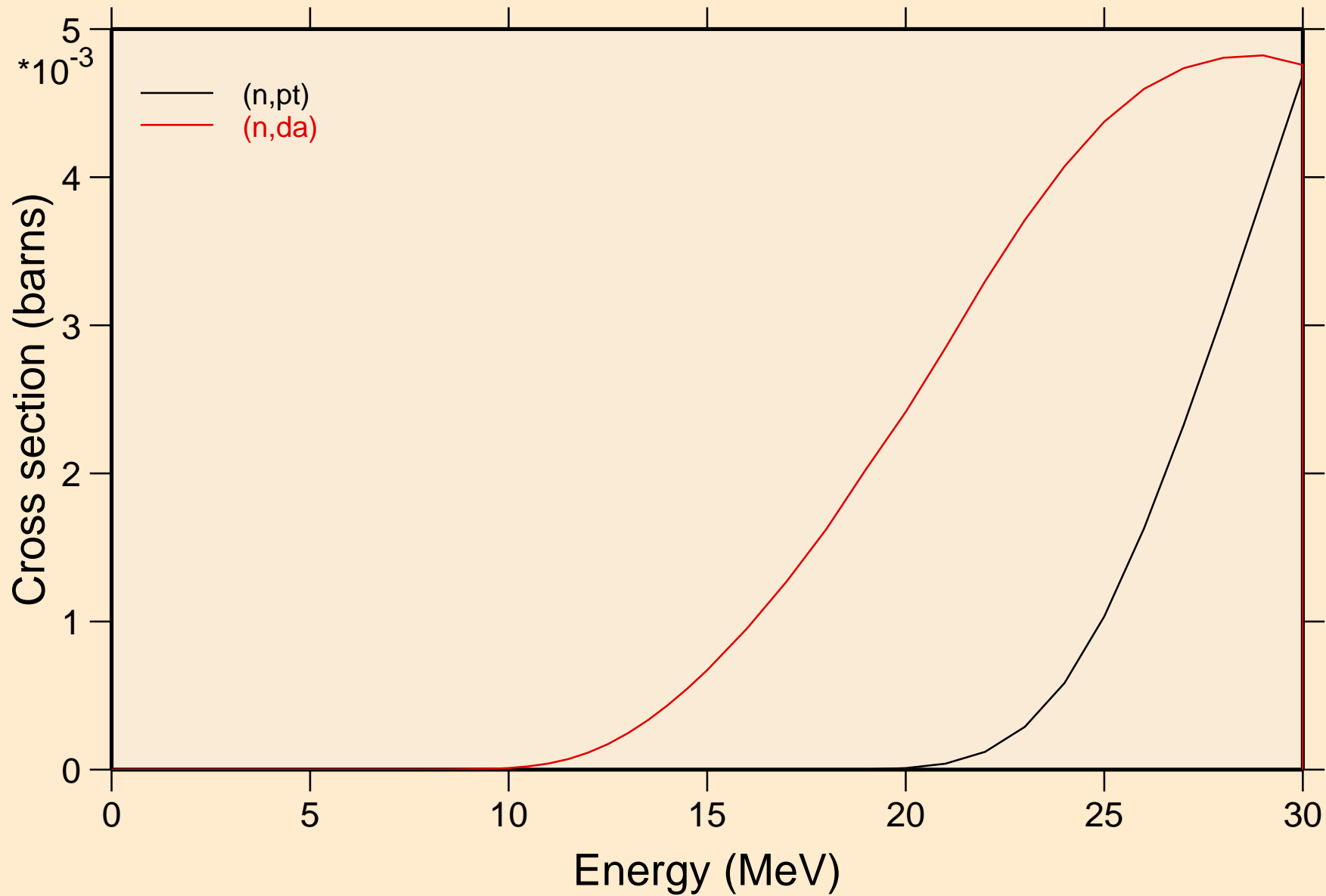
# LU157M NRG TENDL-2015, AKONING

## Threshold reactions



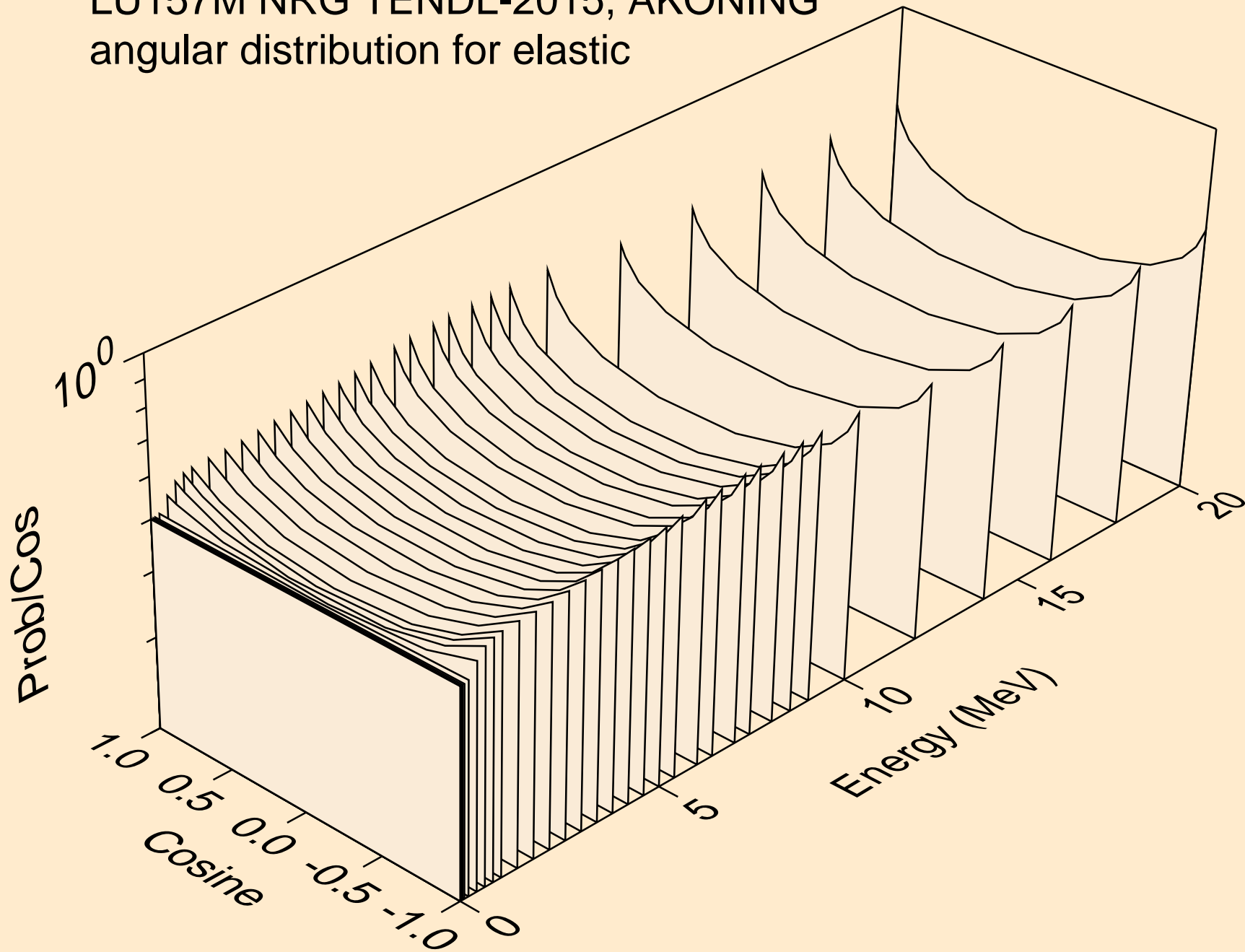
# LU157M NRG TENDL-2015, AKONING

## Threshold reactions

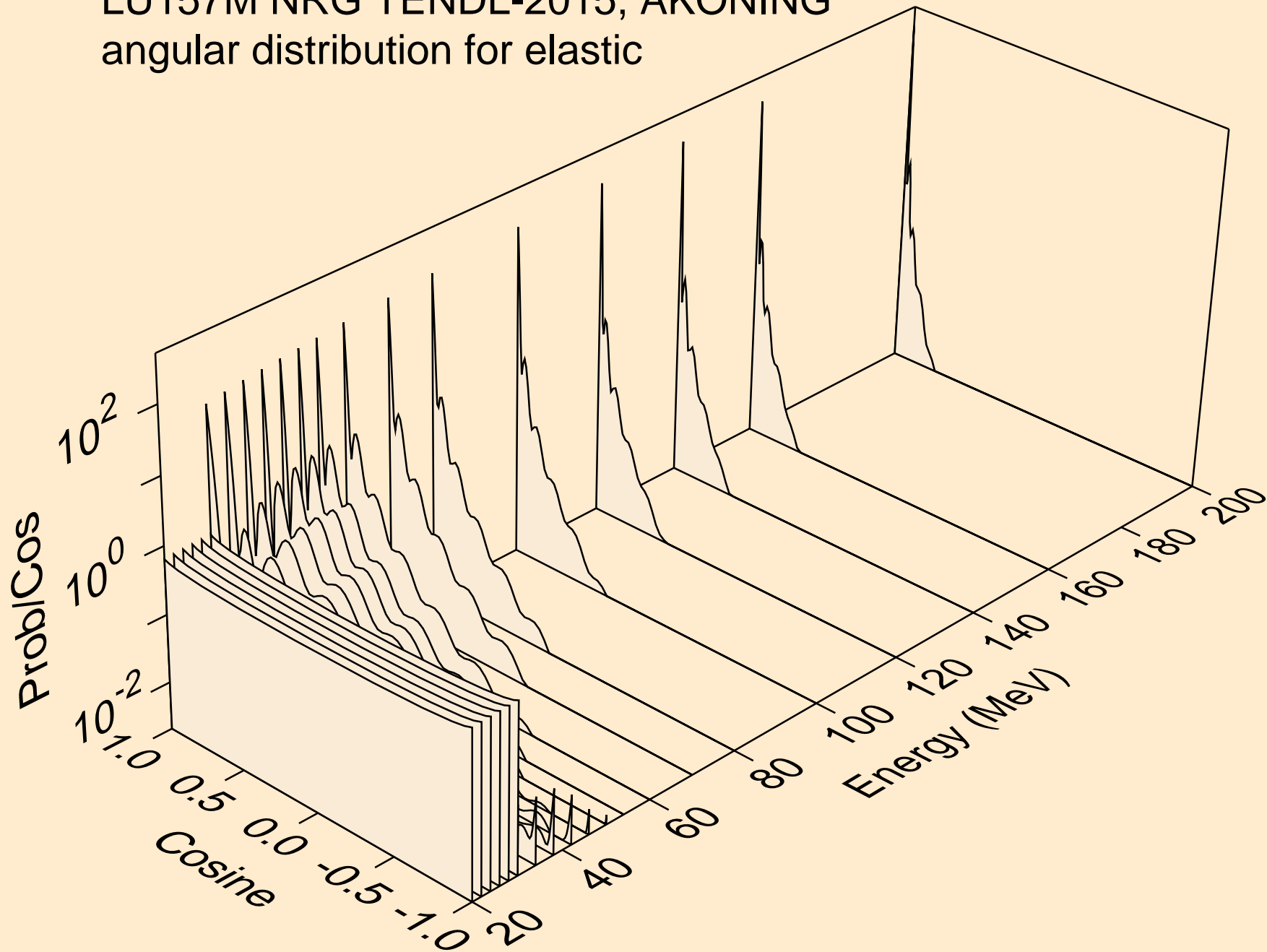




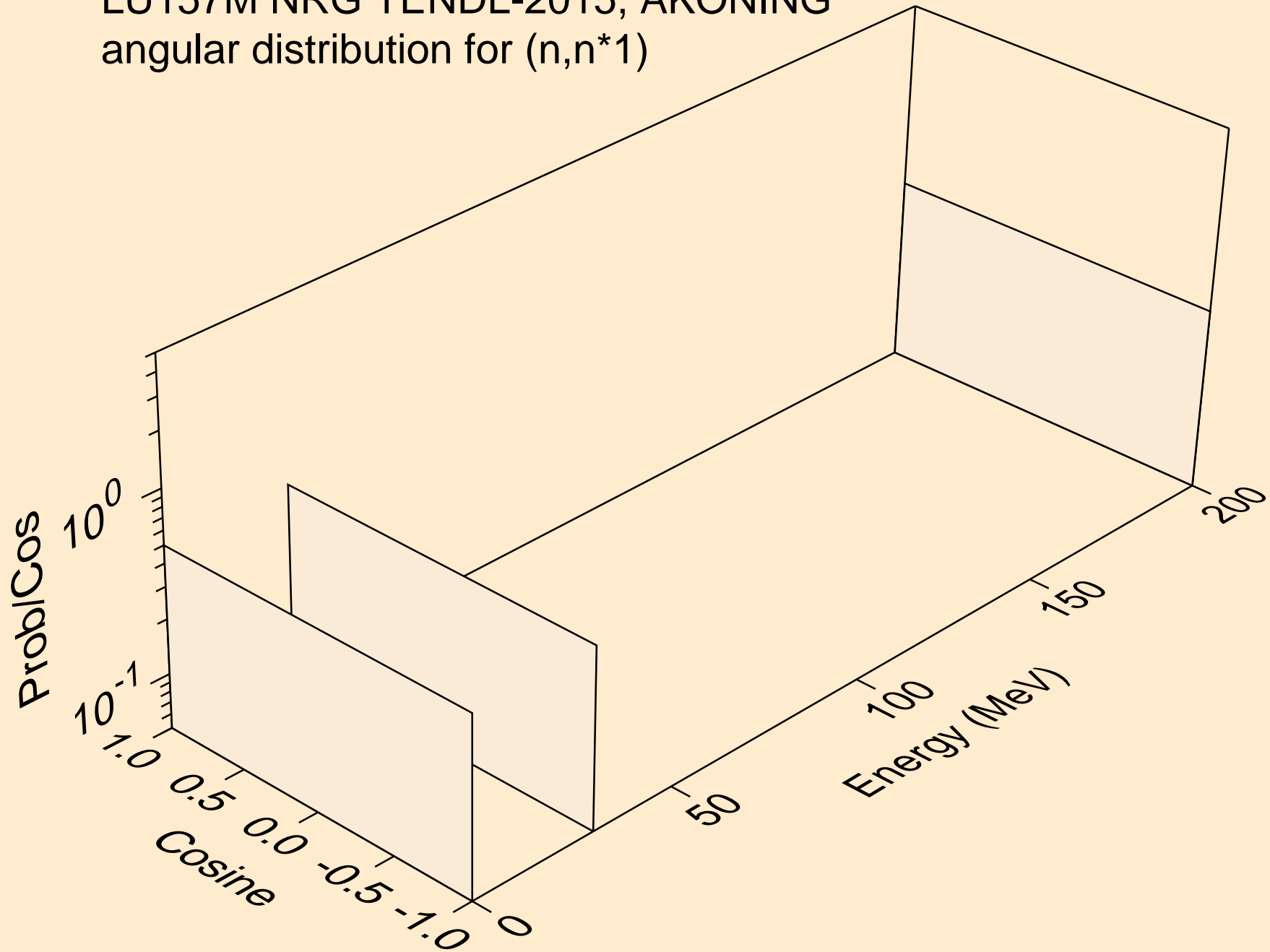
LU157M NRG TENDL-2015, AKONING  
angular distribution for elastic



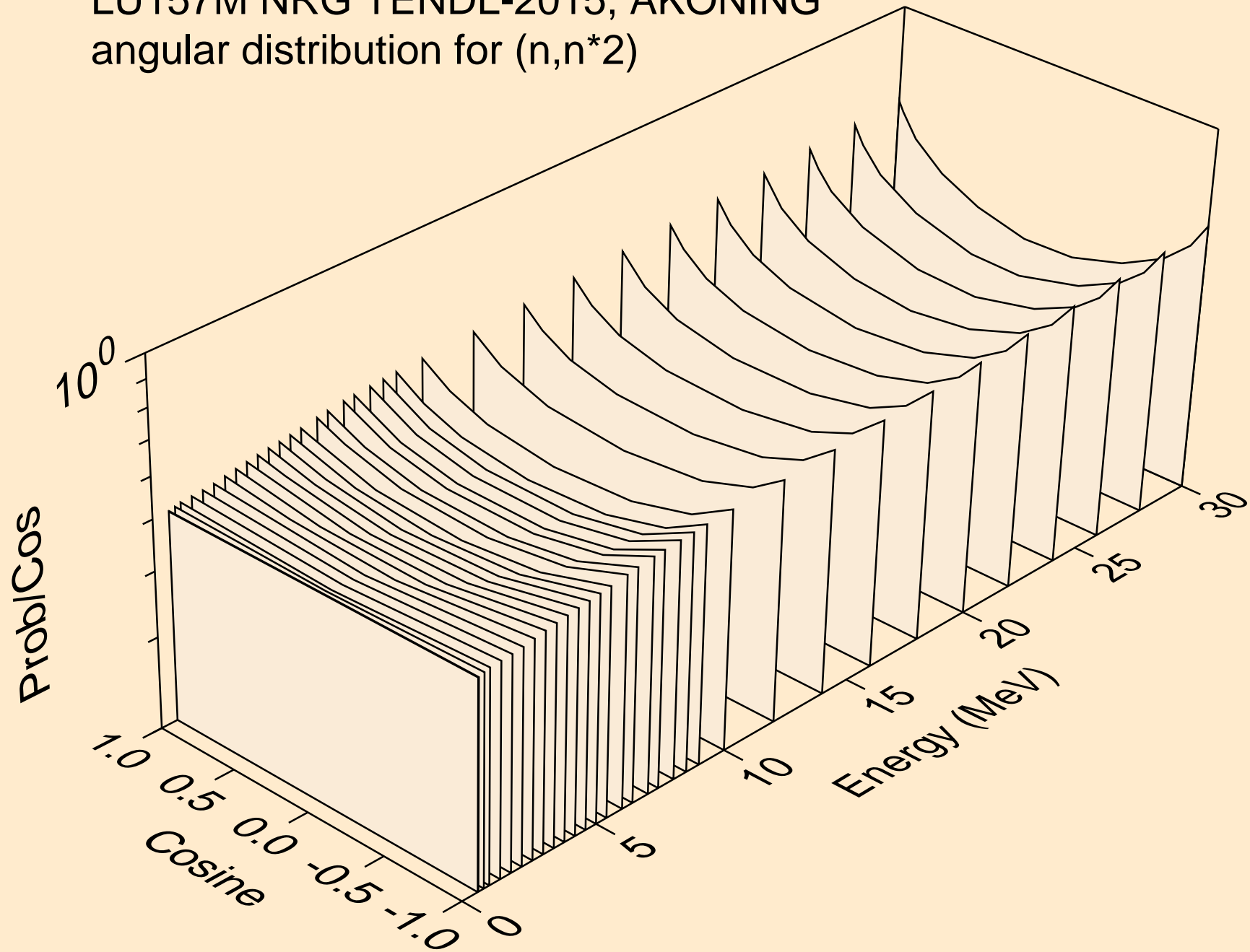
LU157M NRG TENDL-2015, AKONING  
angular distribution for elastic



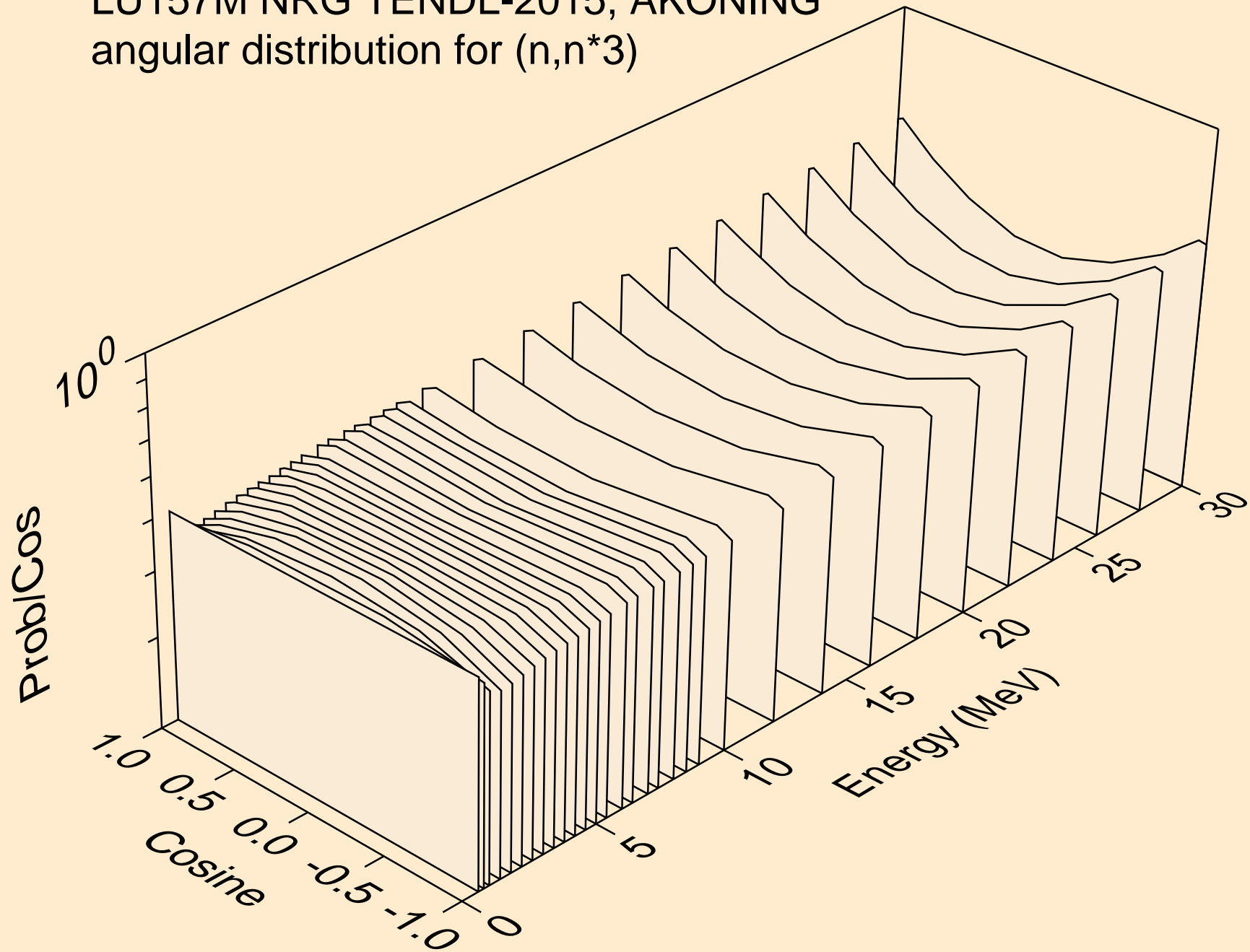
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



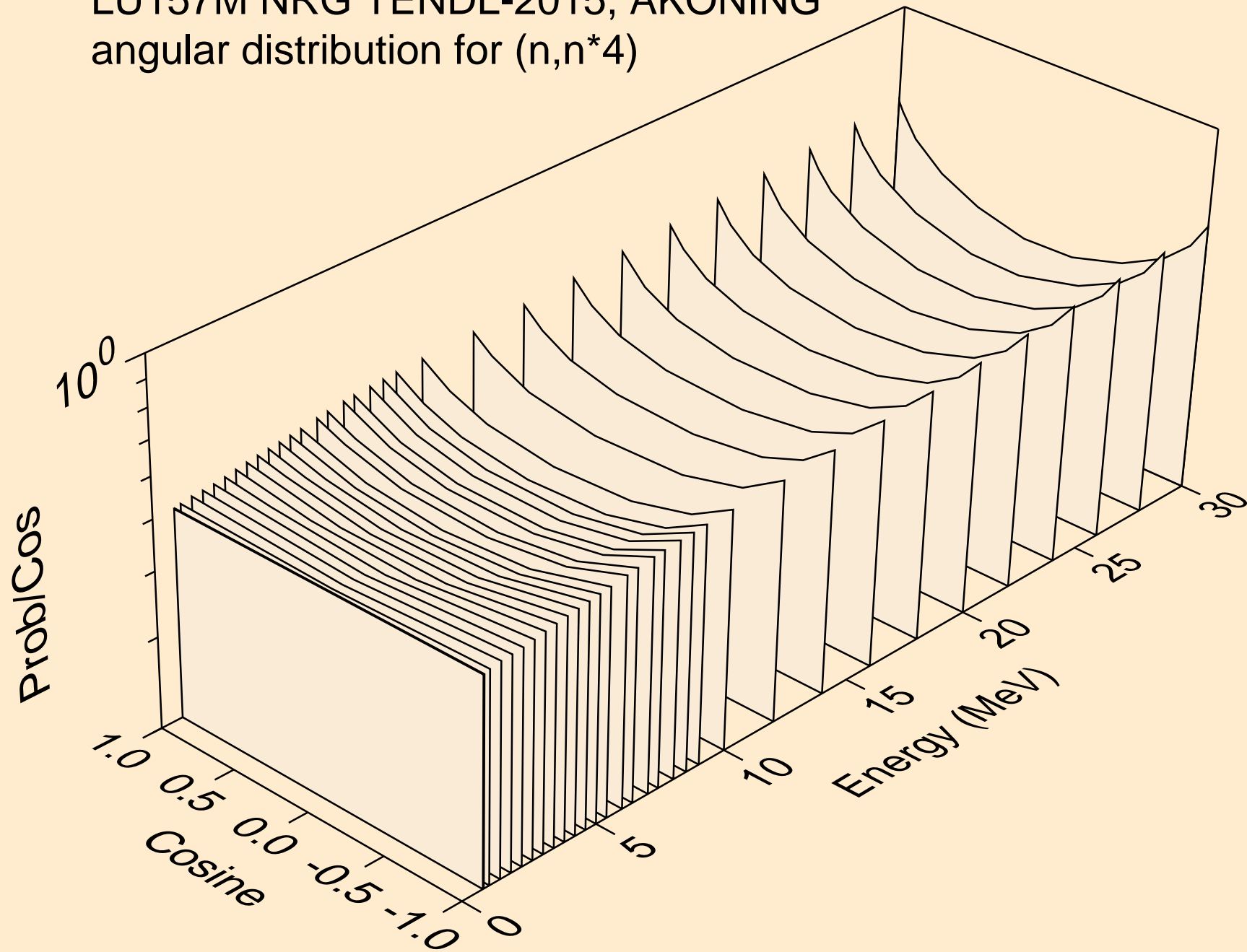
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



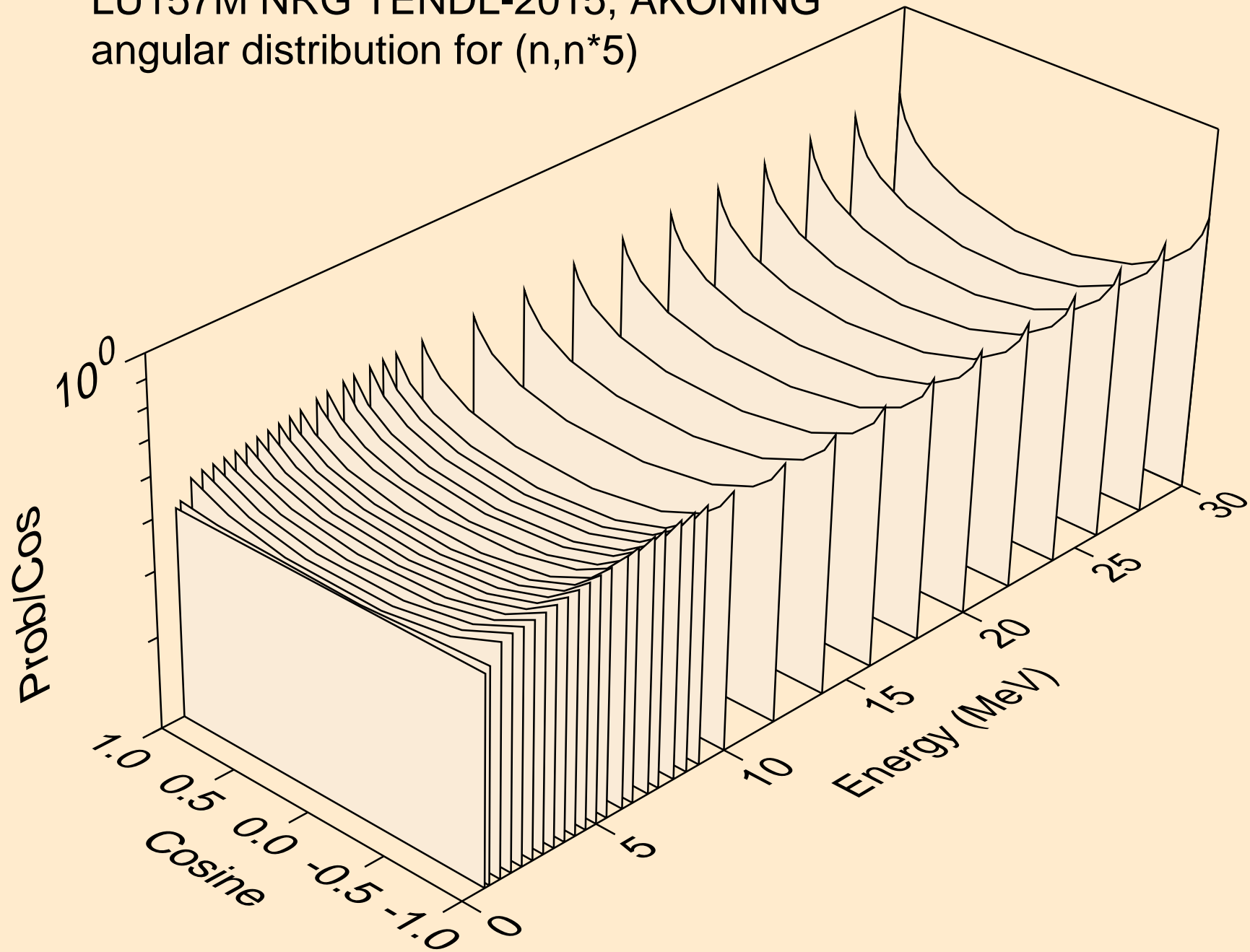
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



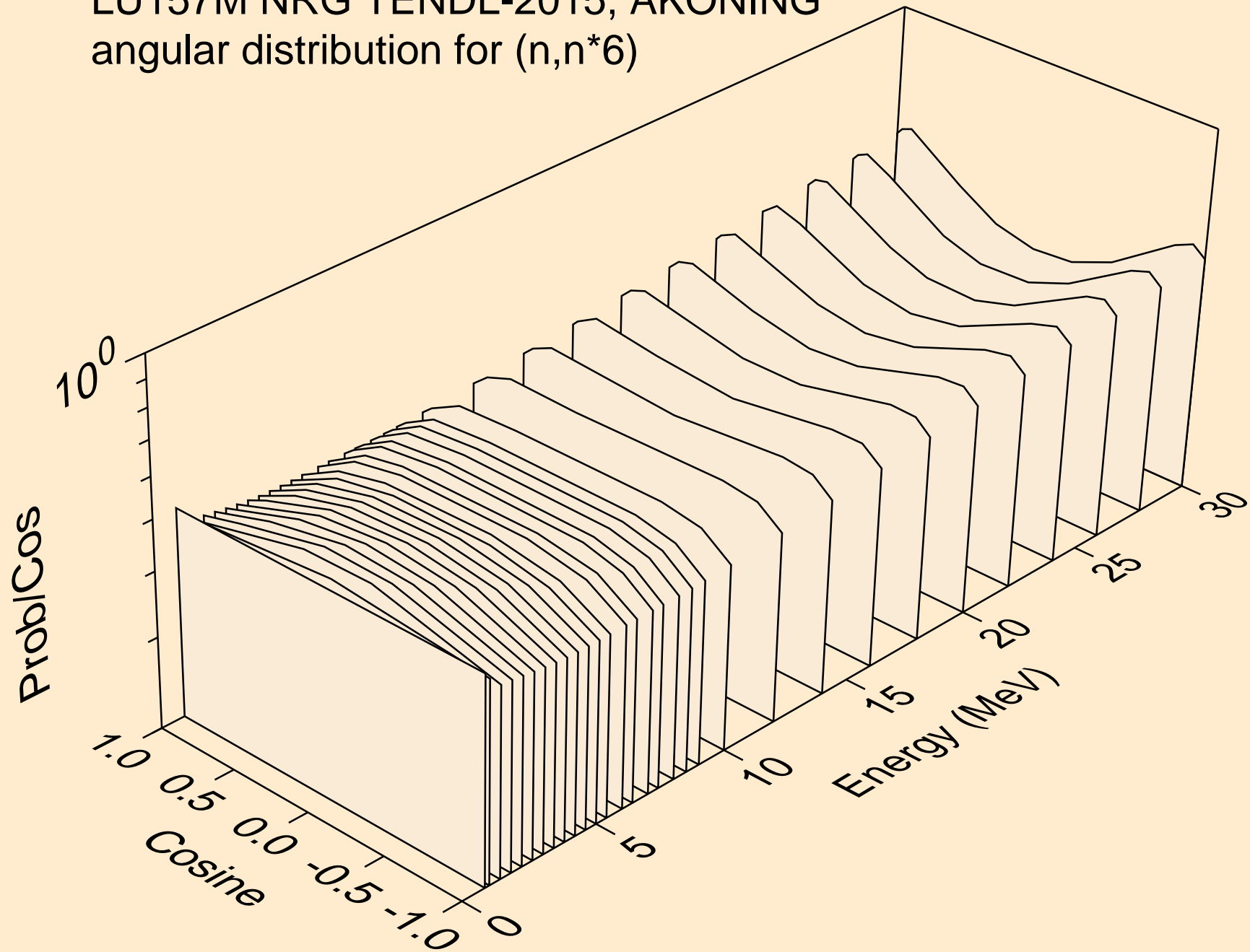
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

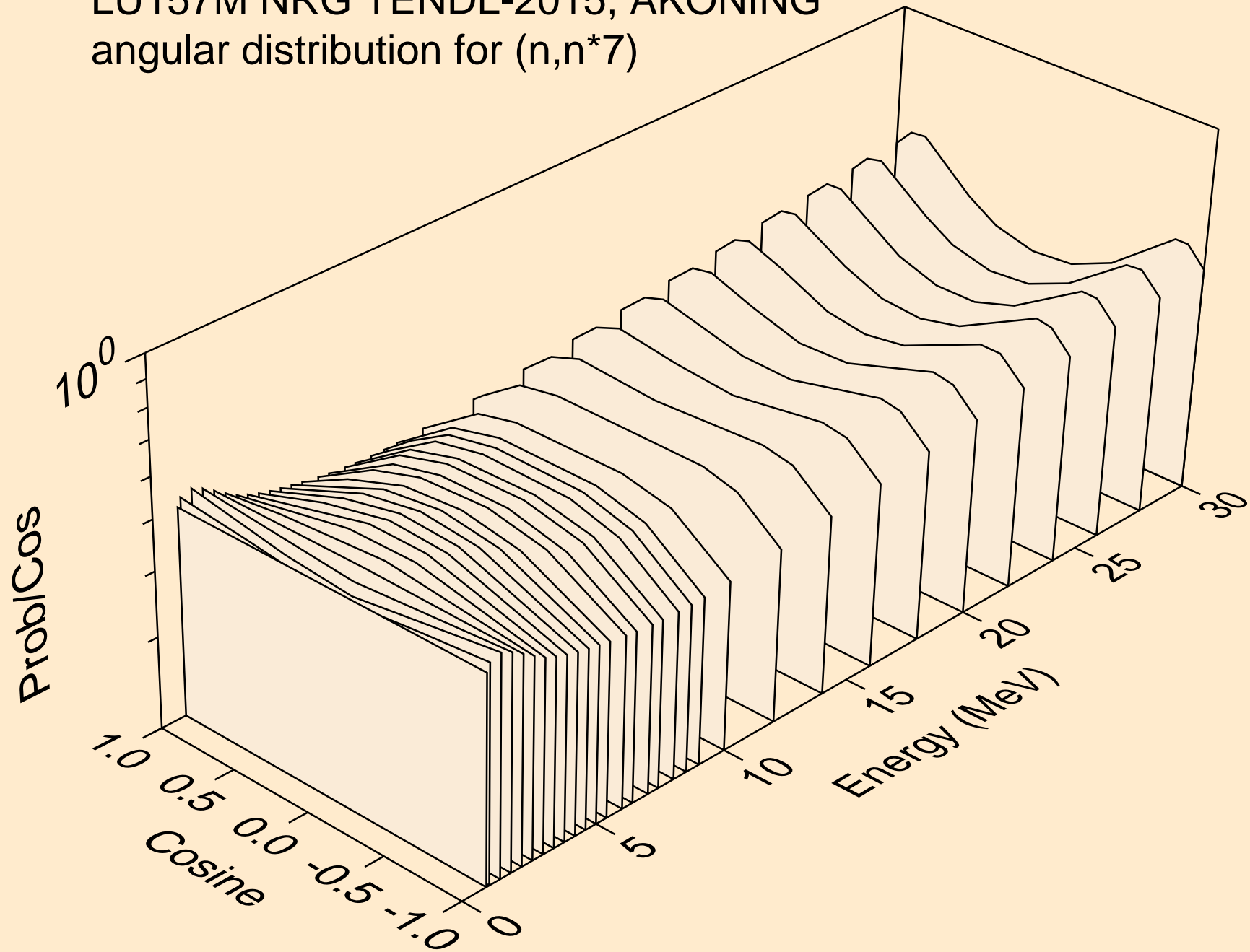


LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

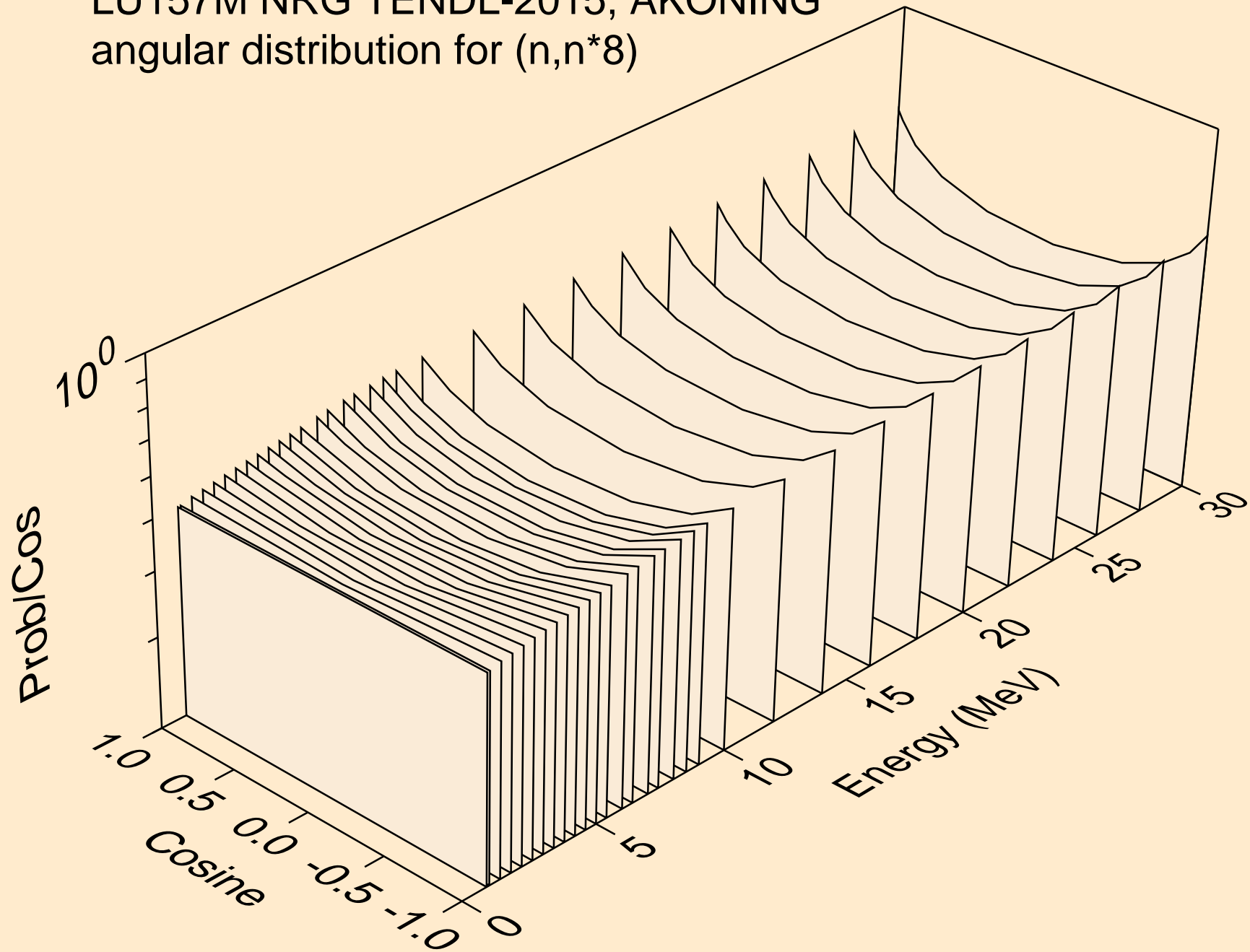




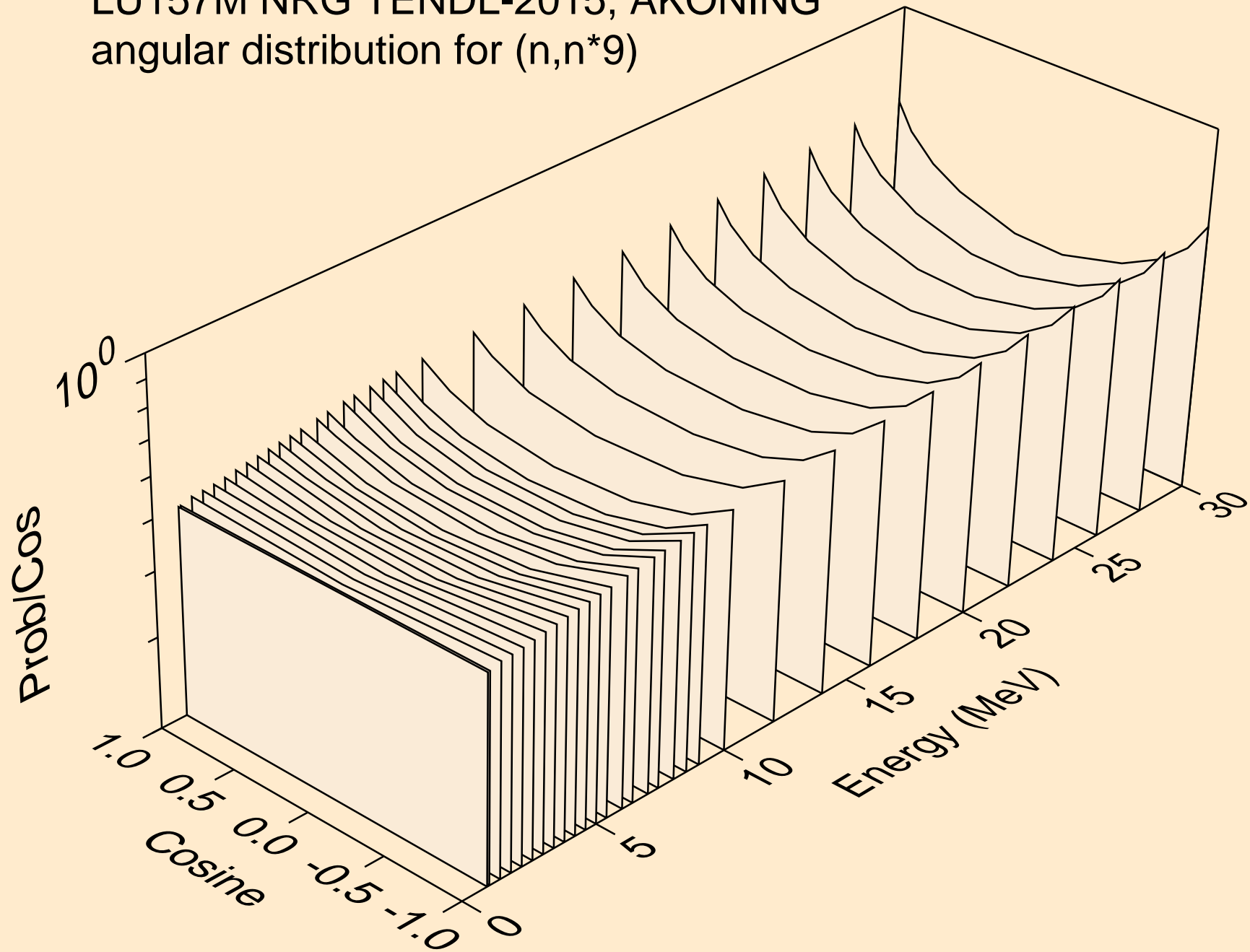
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



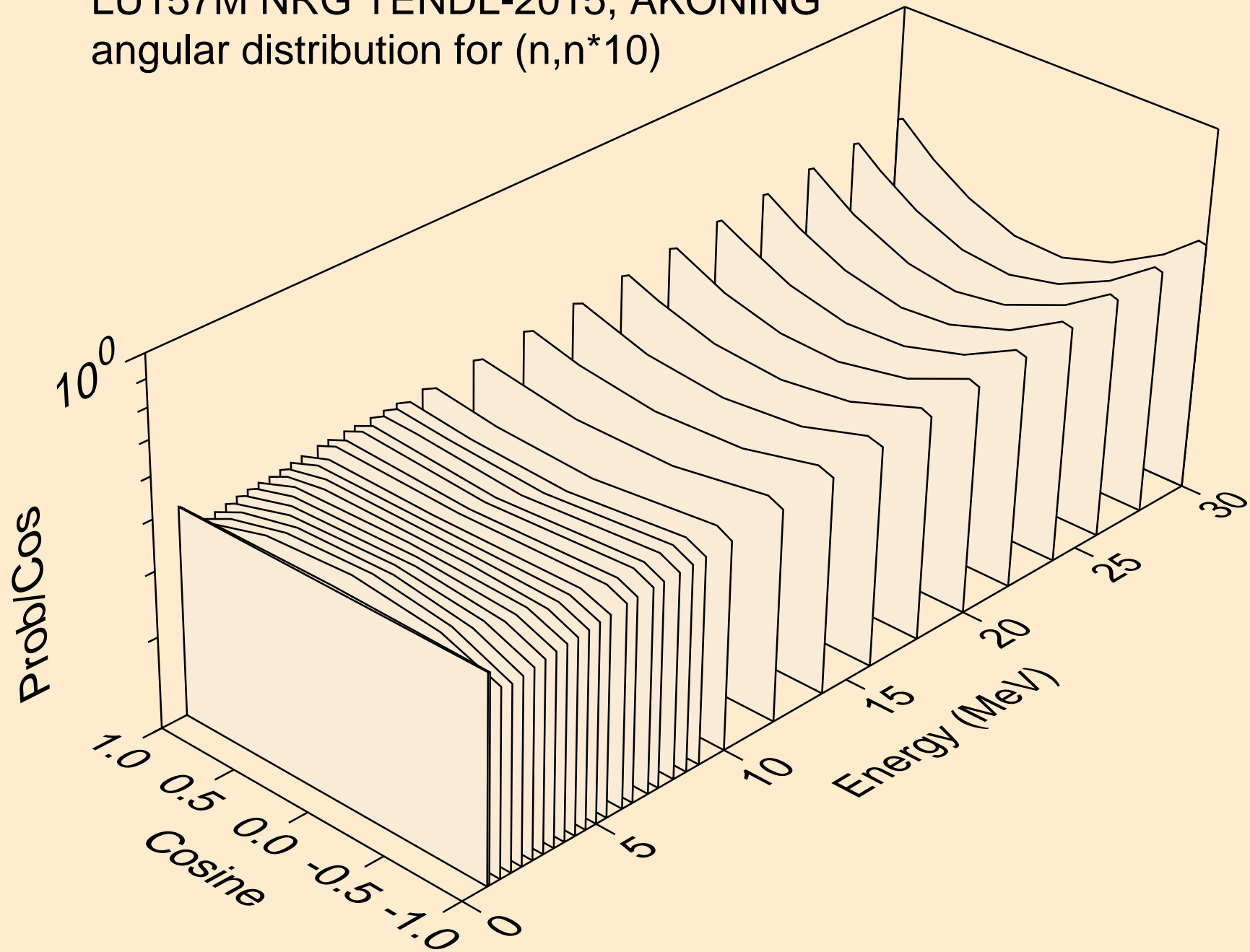
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



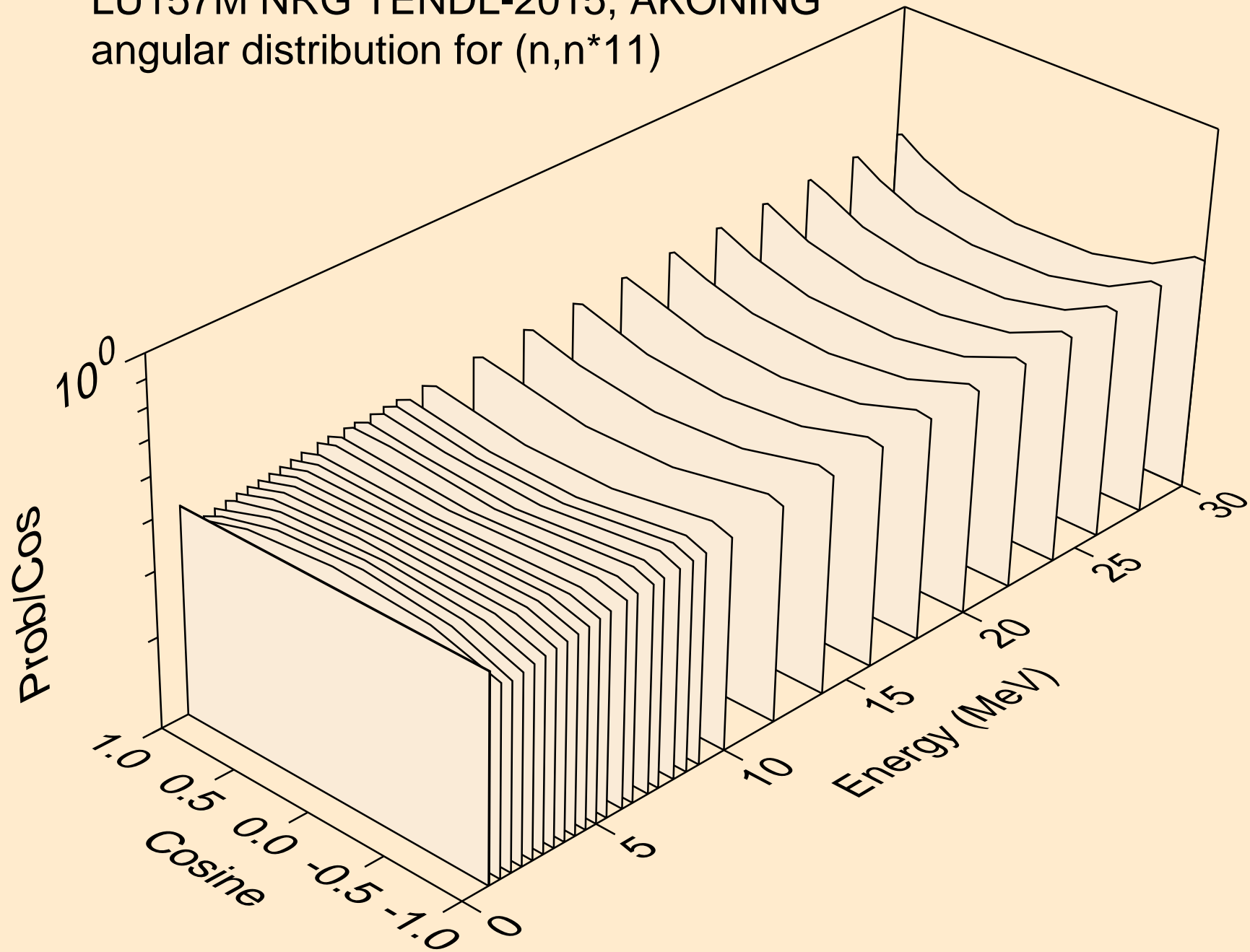
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



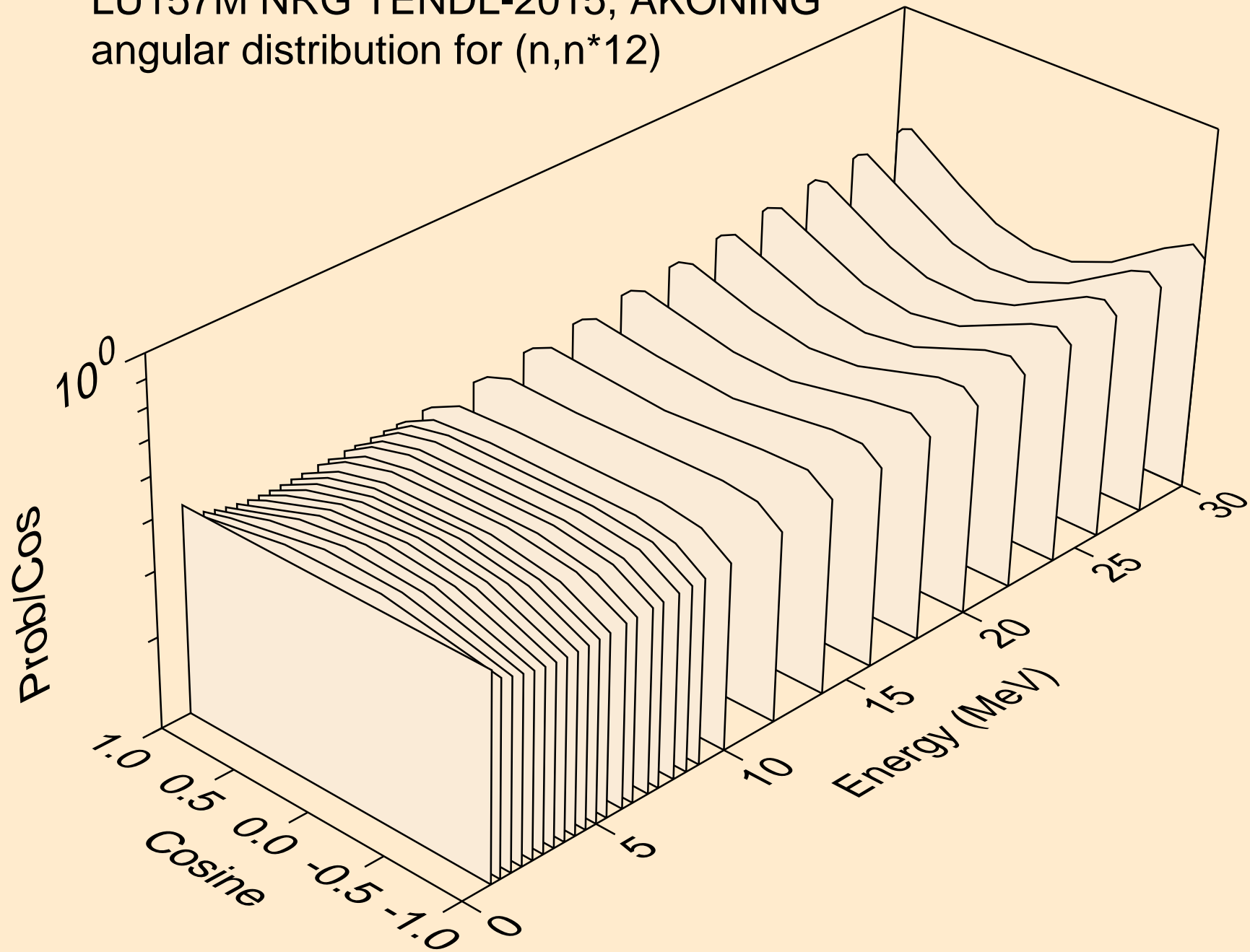
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



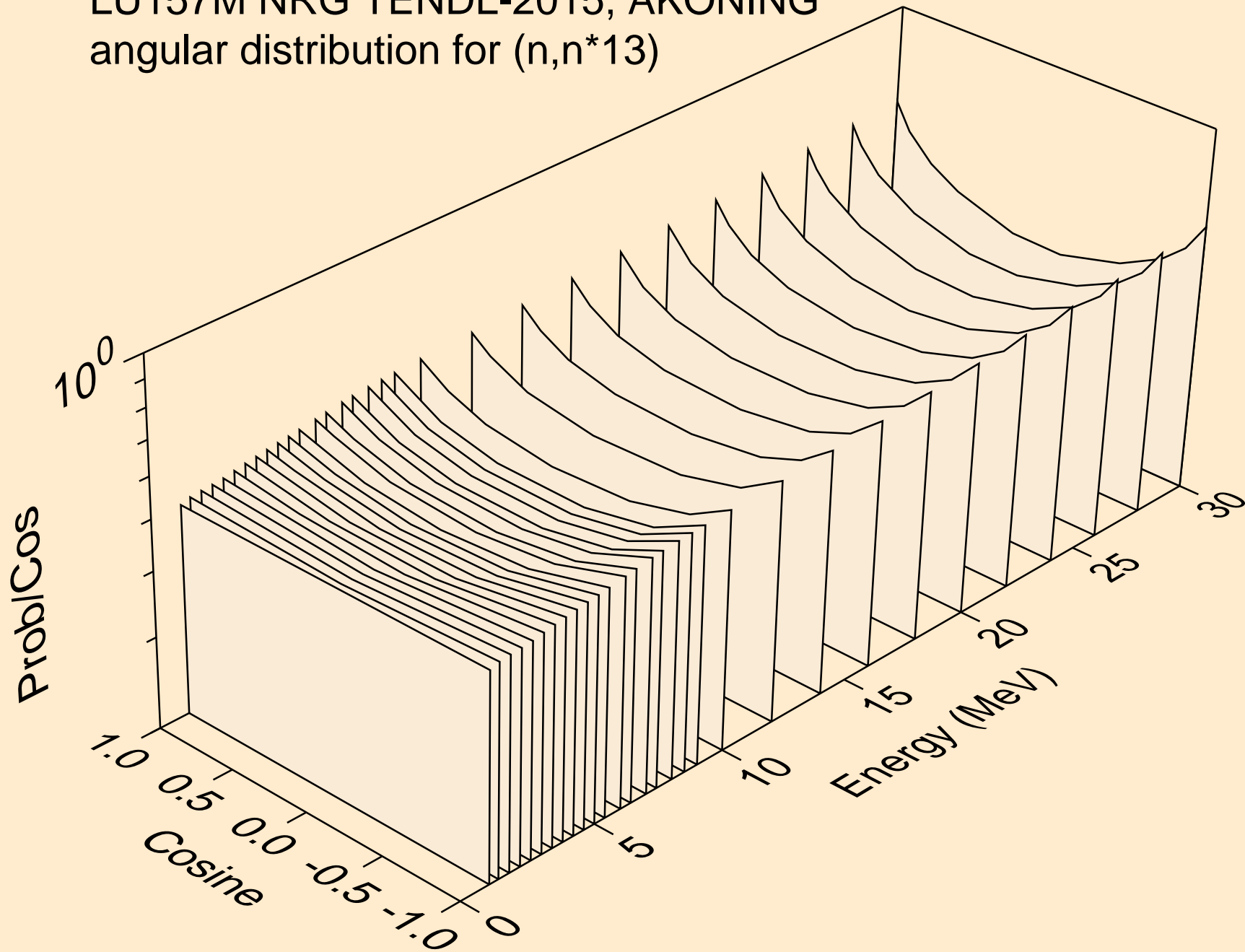
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



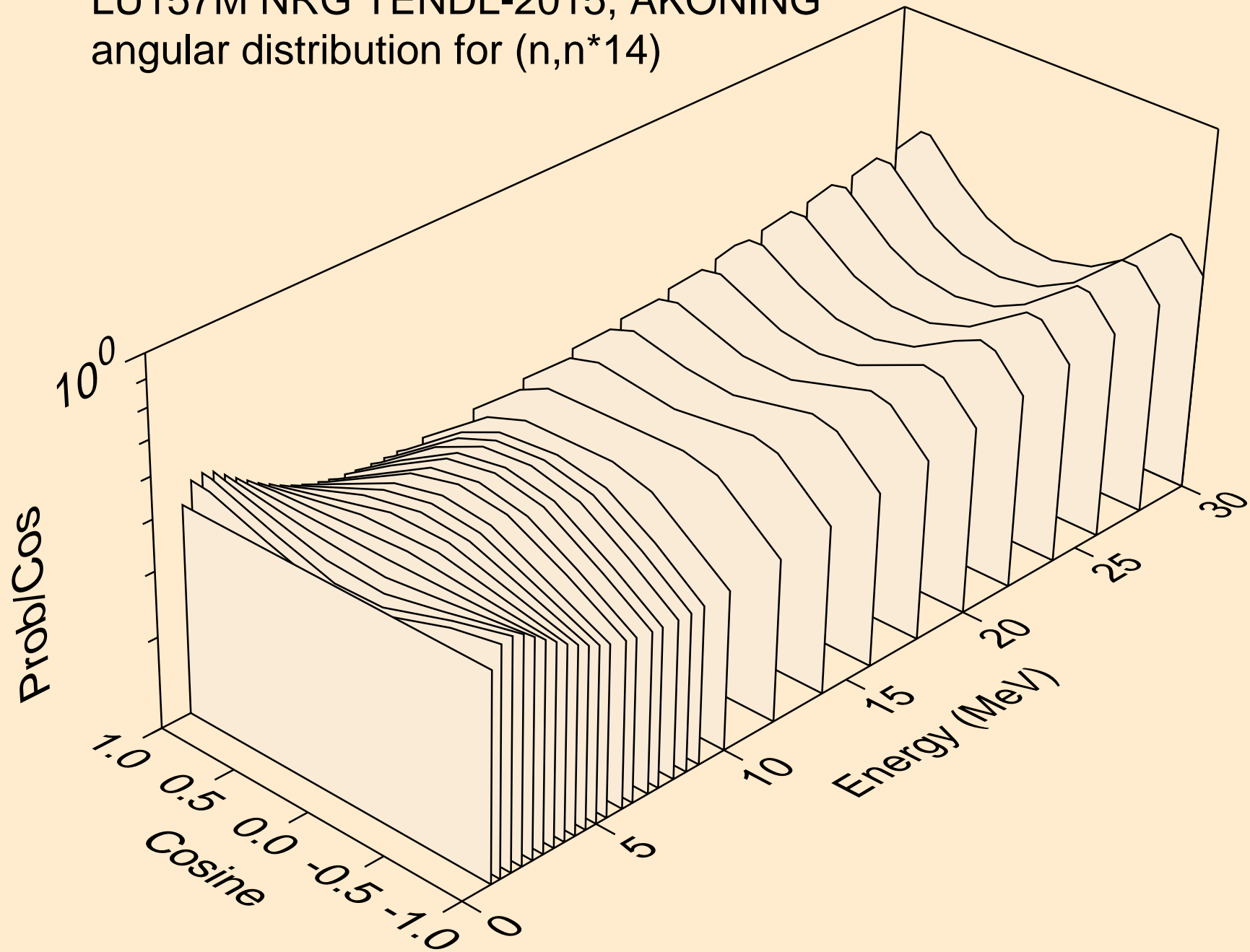
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

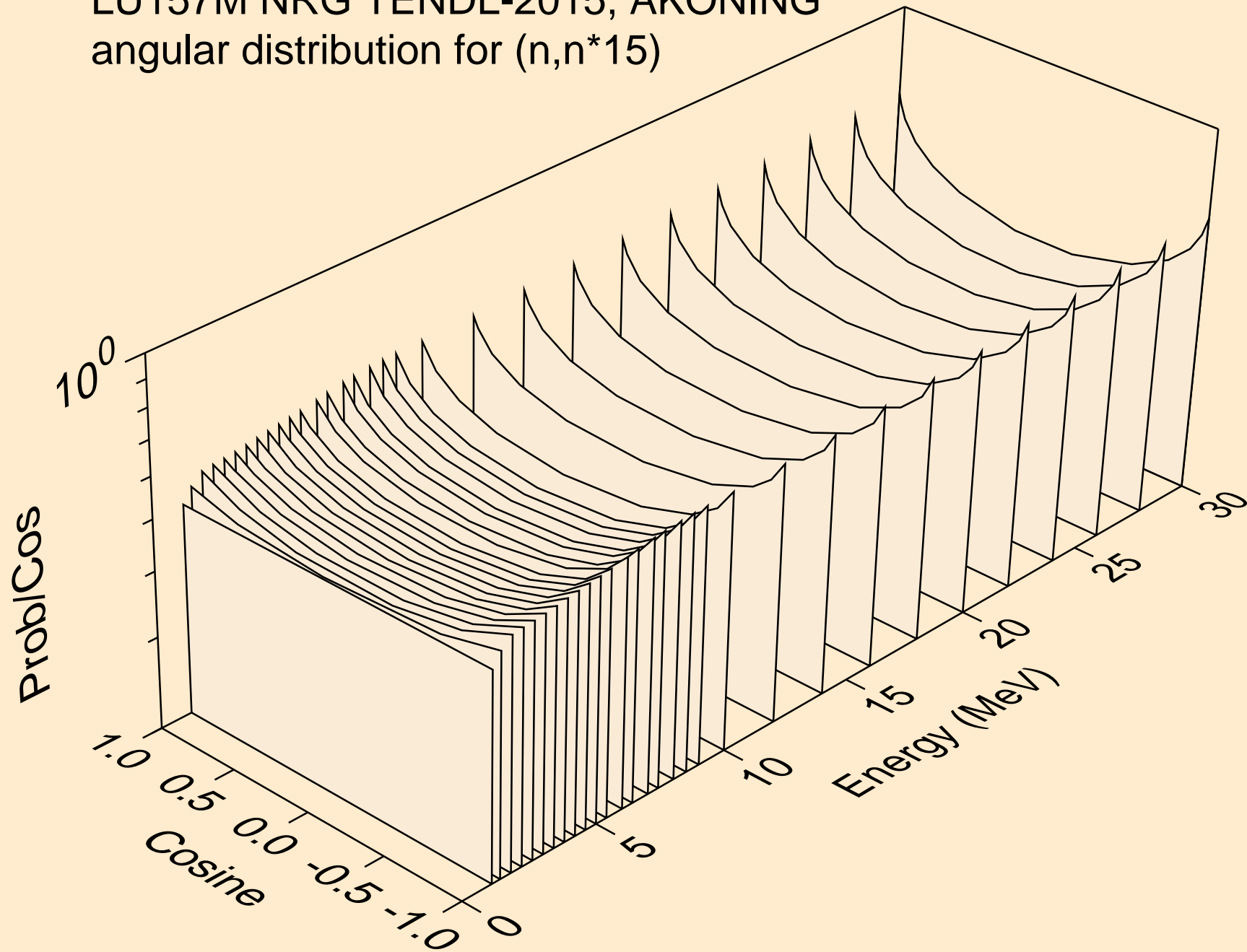


LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

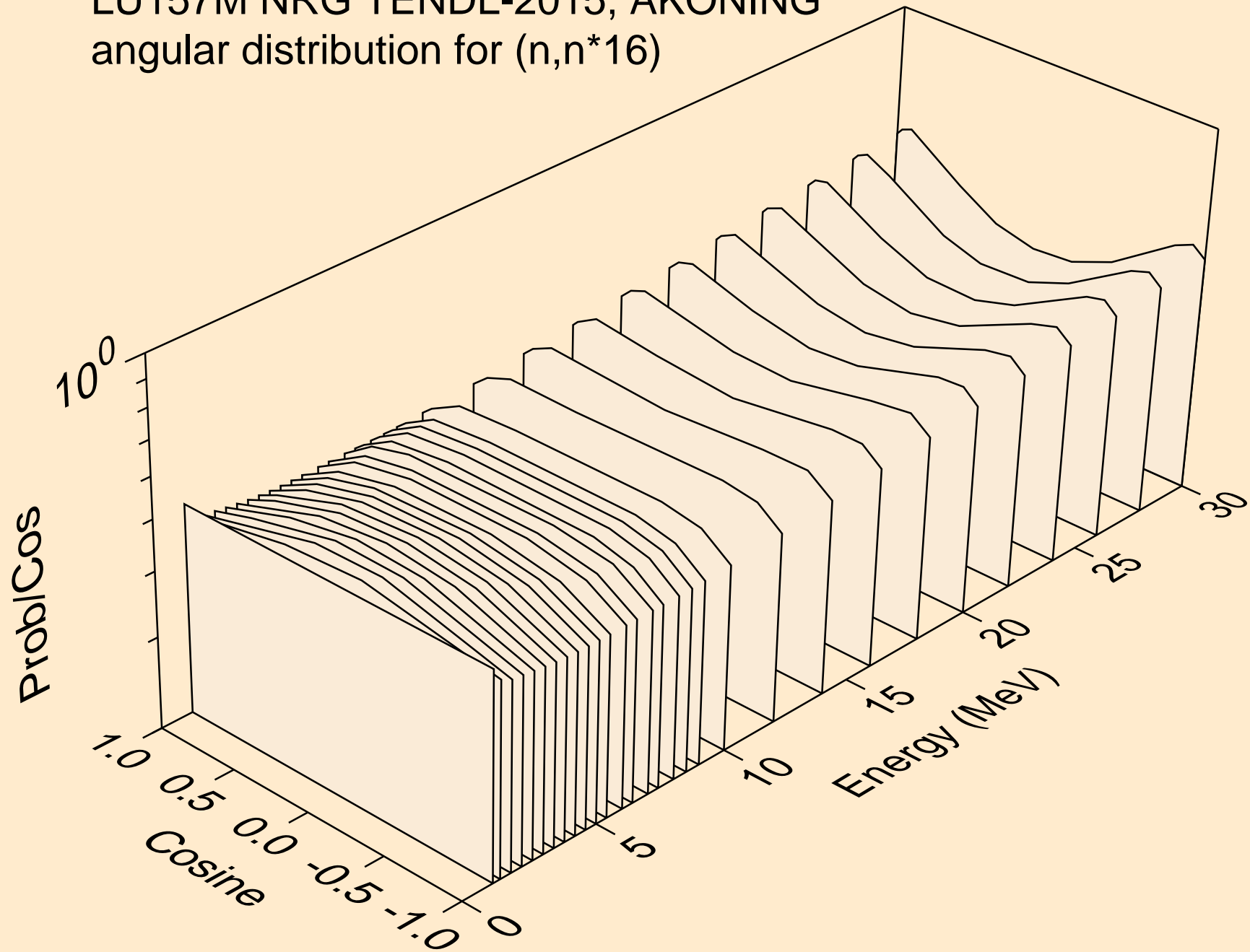




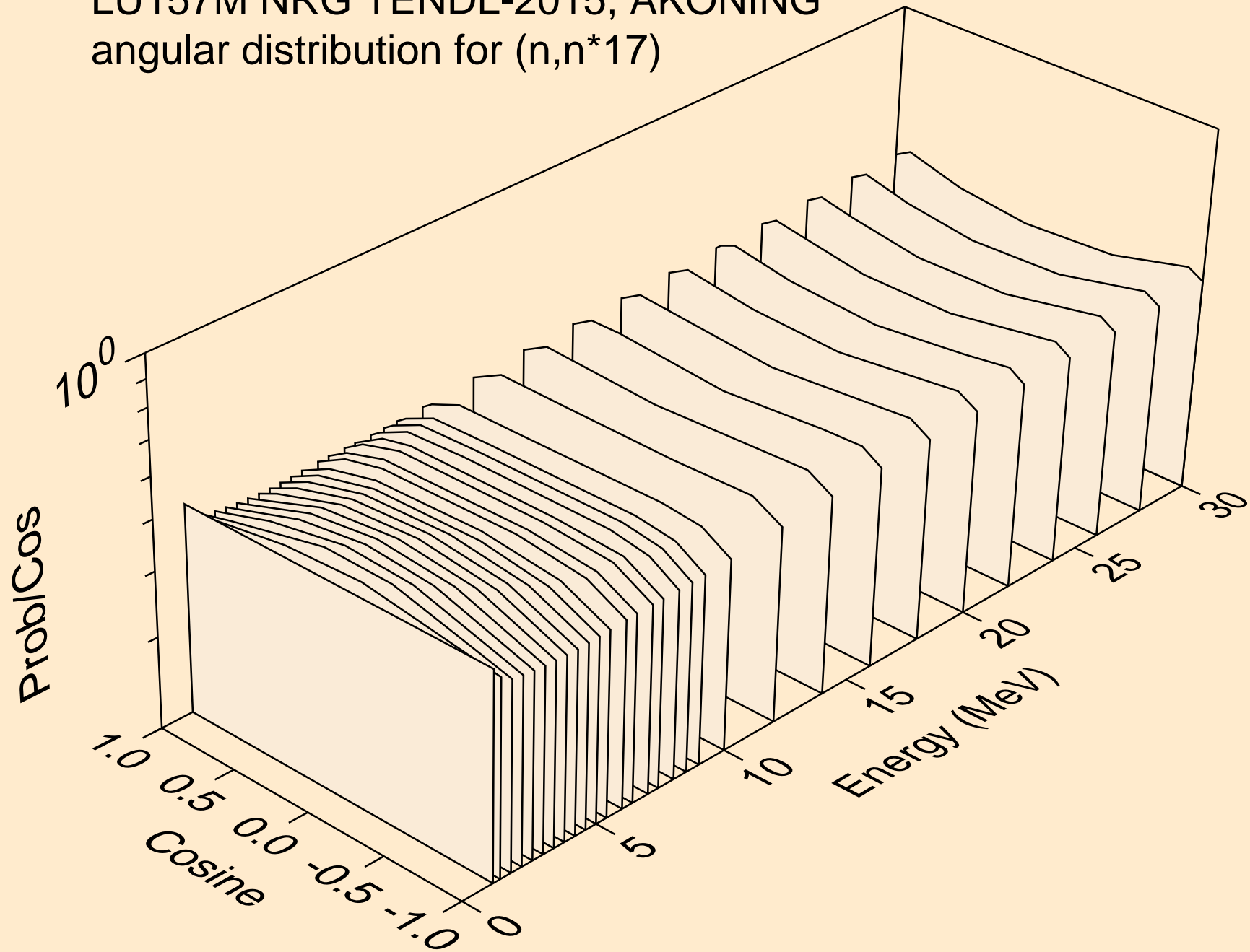
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



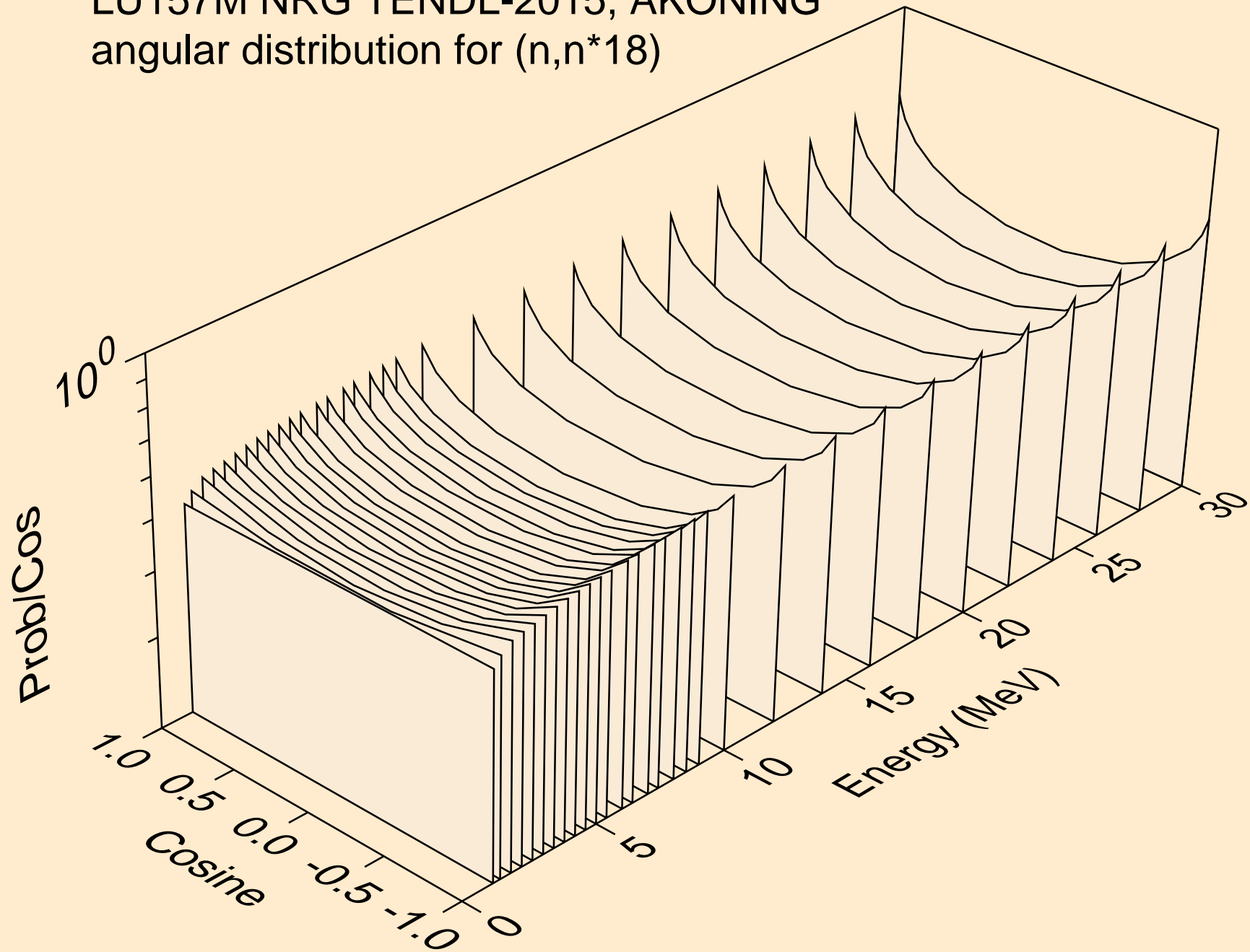
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



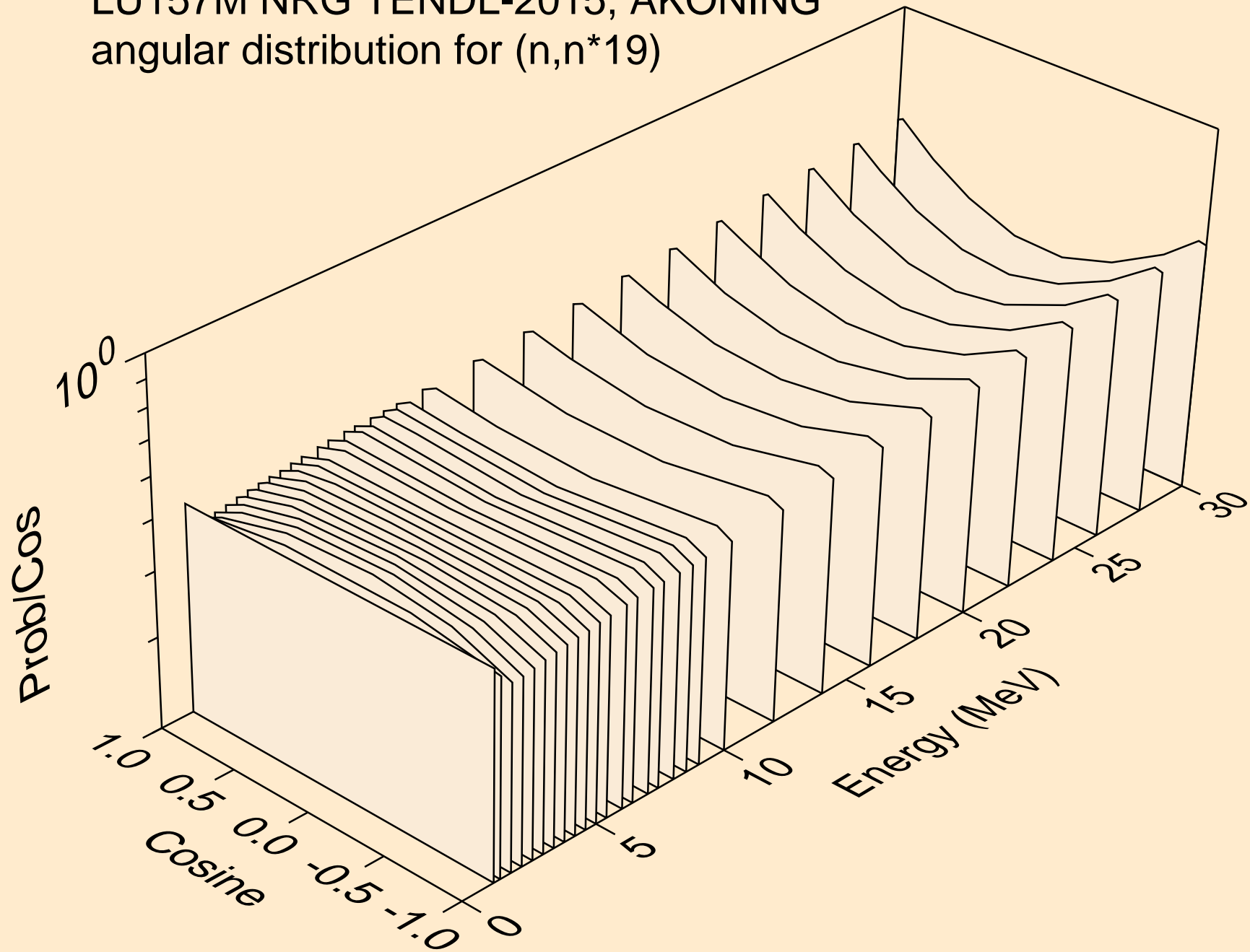
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



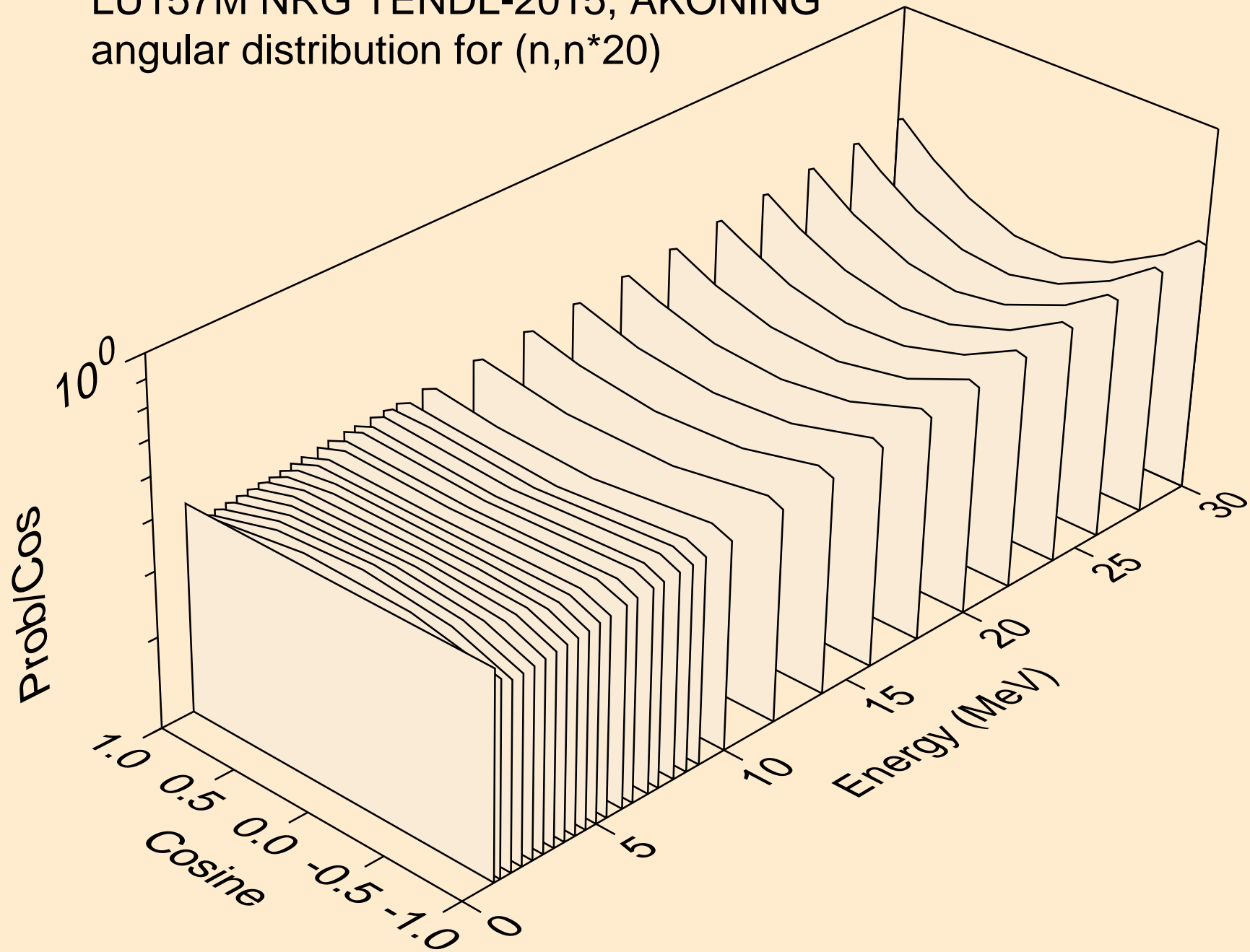
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



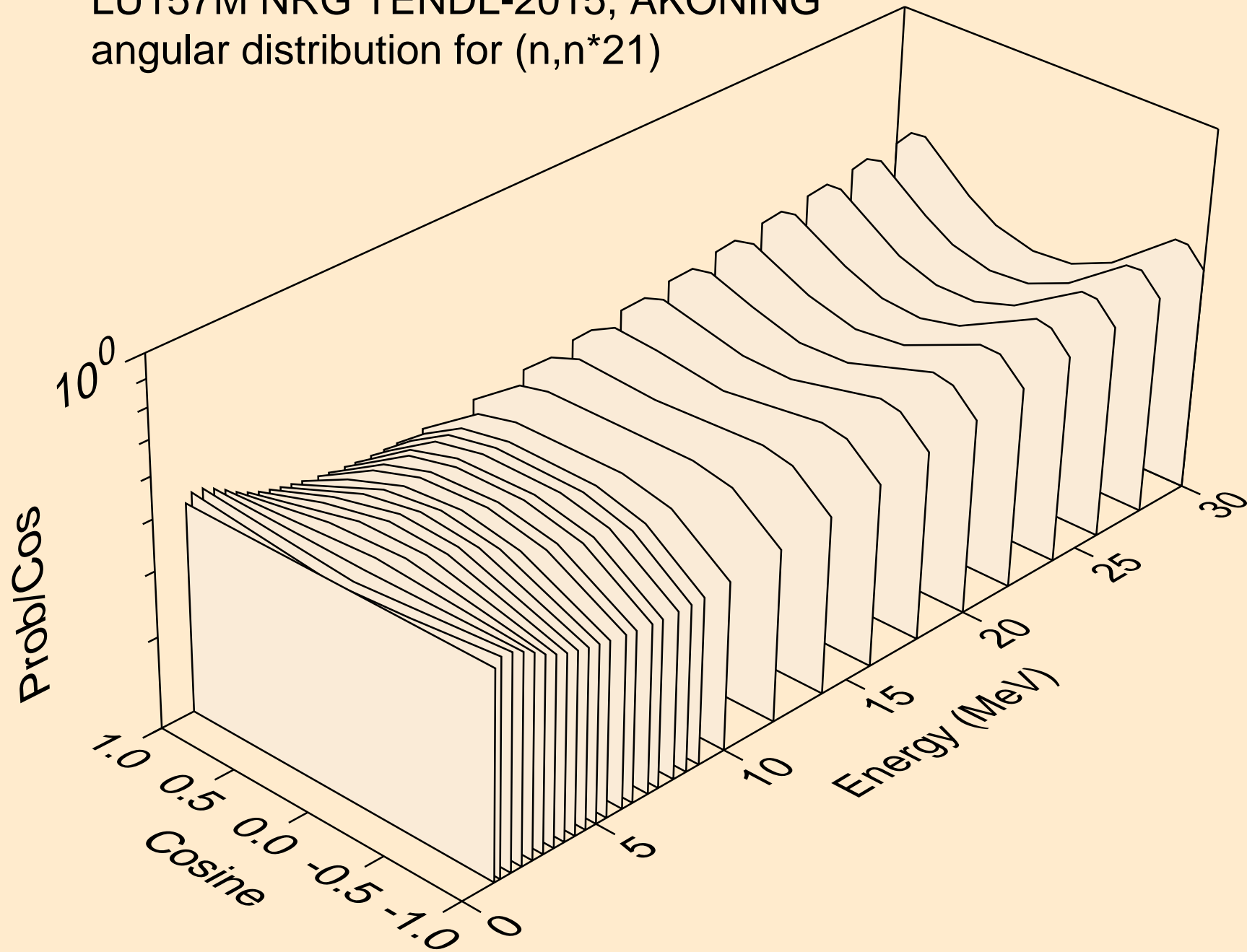
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



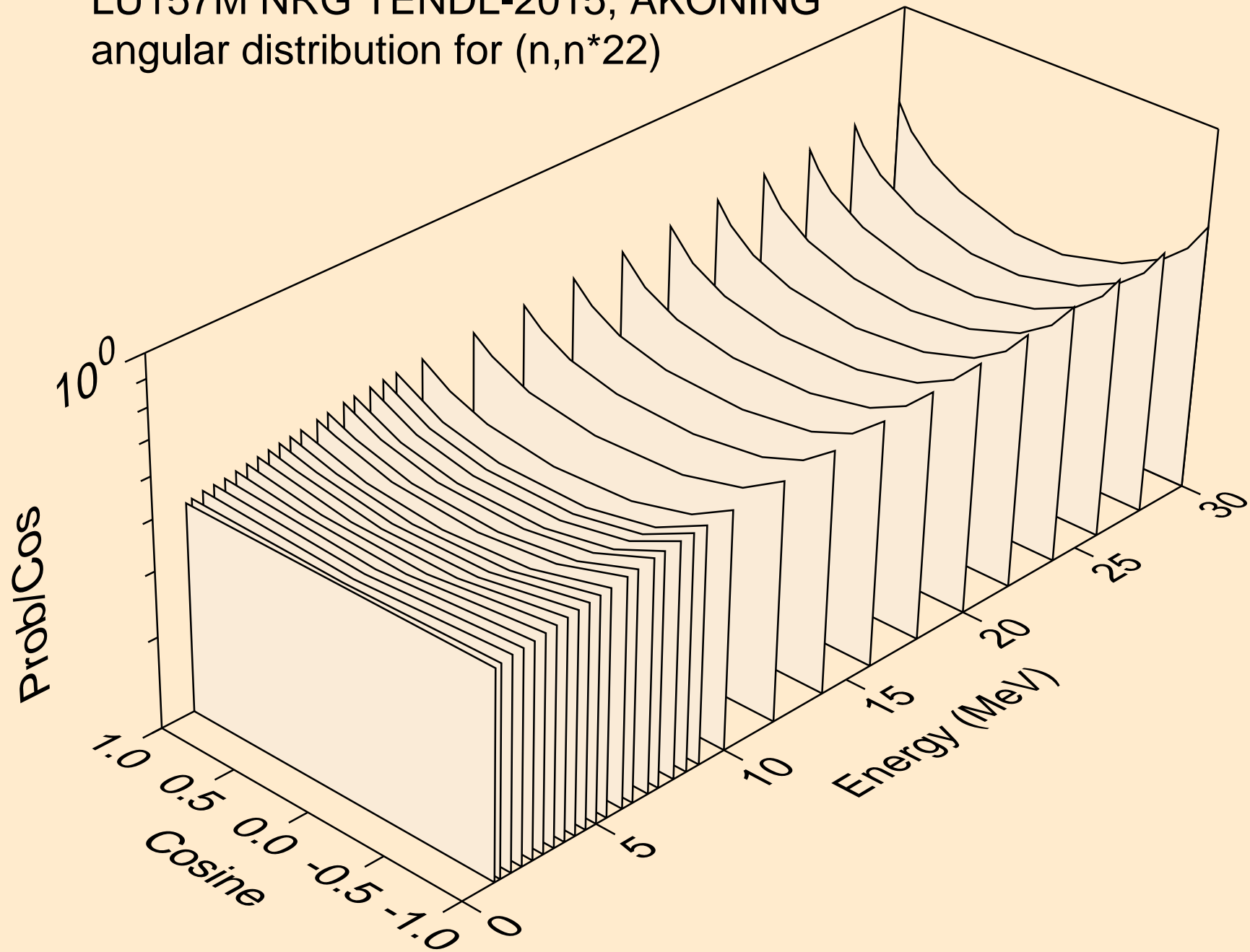
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

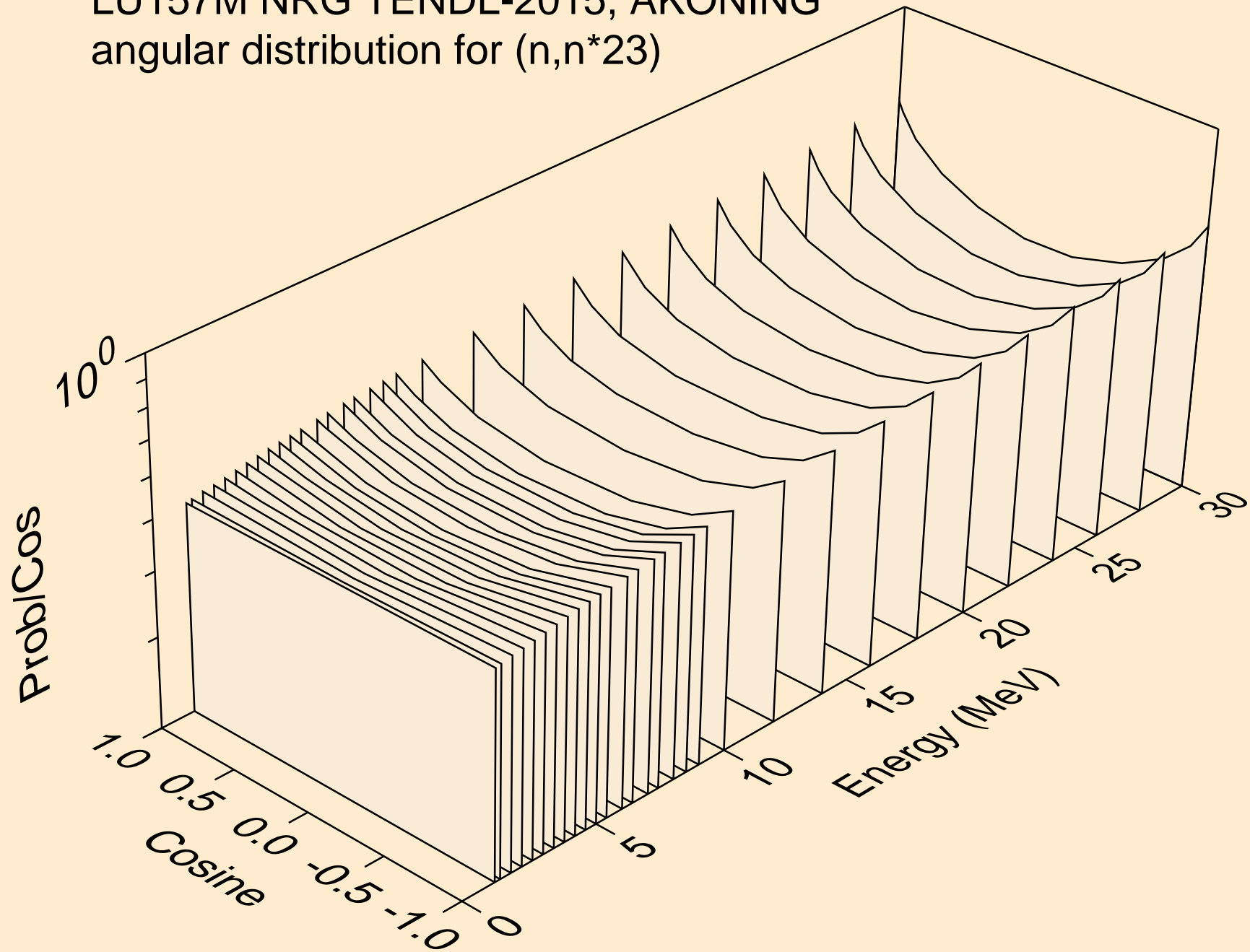


LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

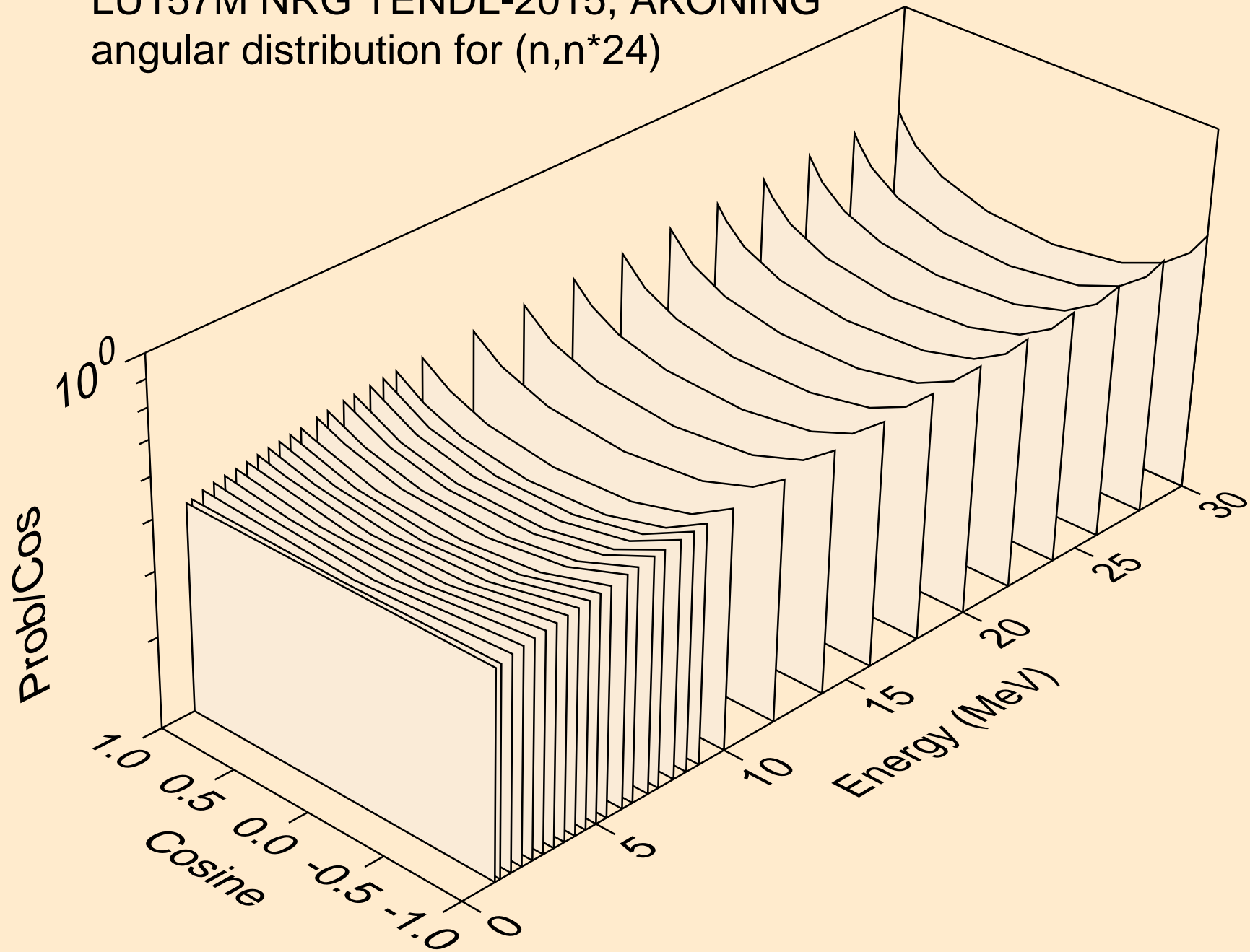




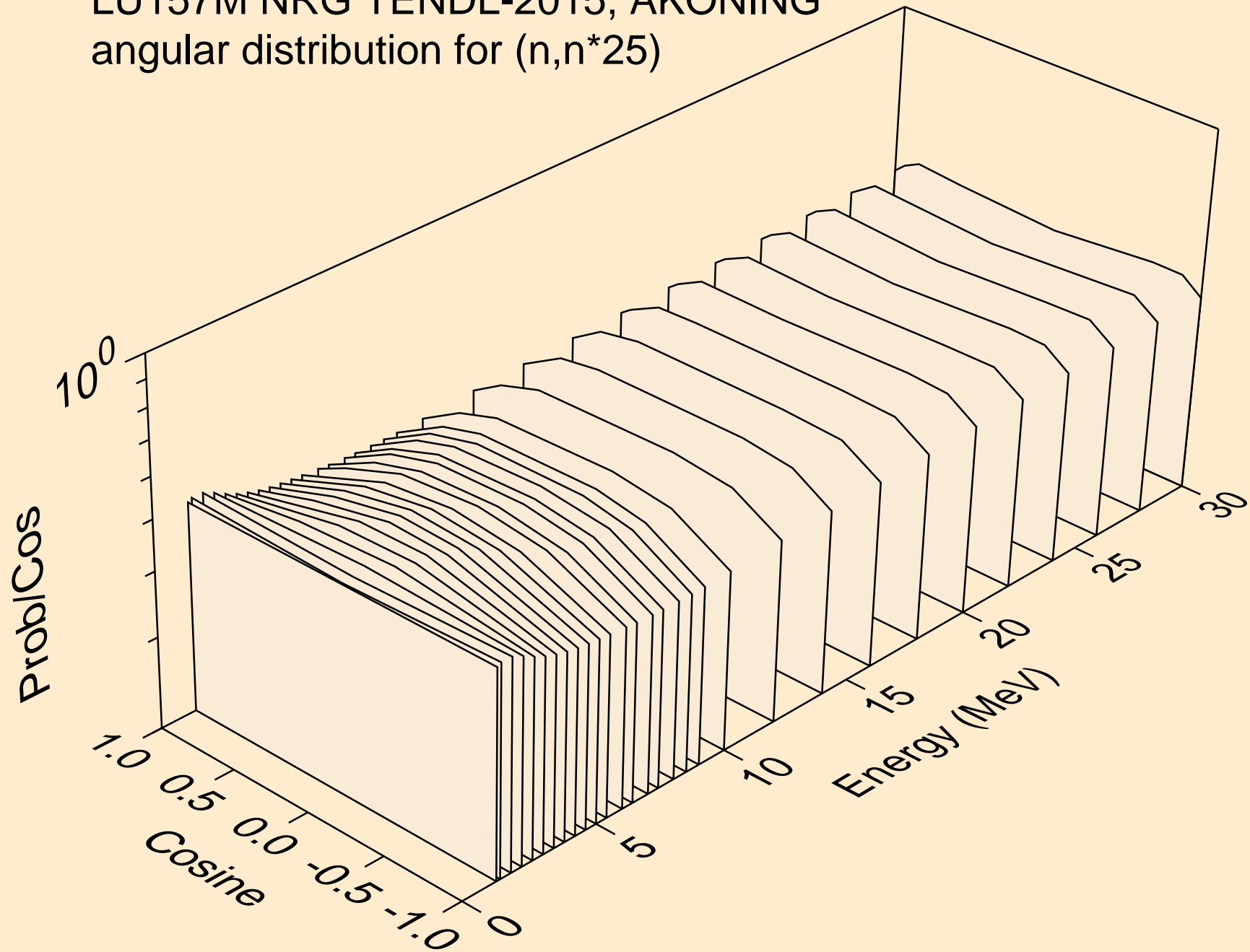
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angular distribution for (n,n\*23)



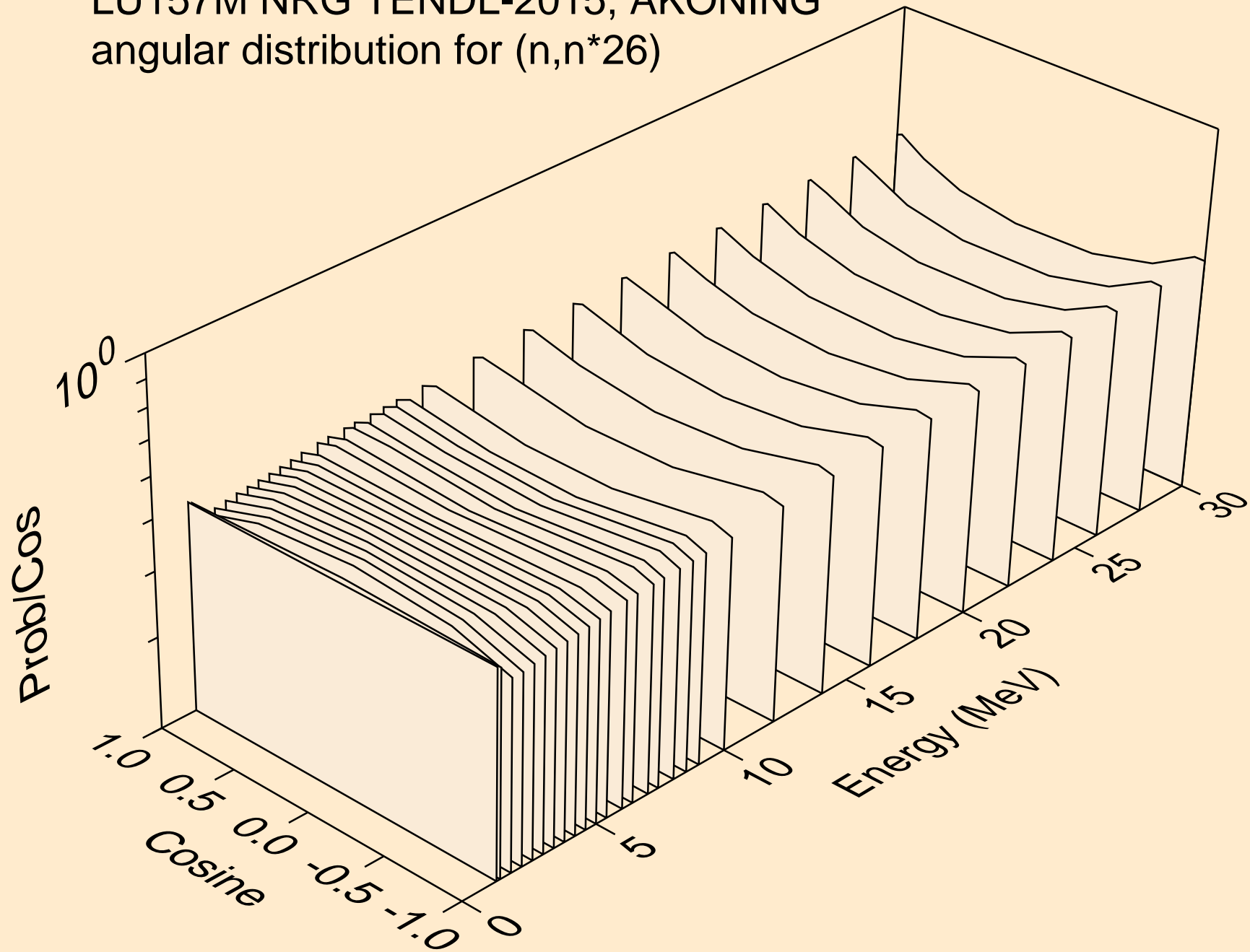
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



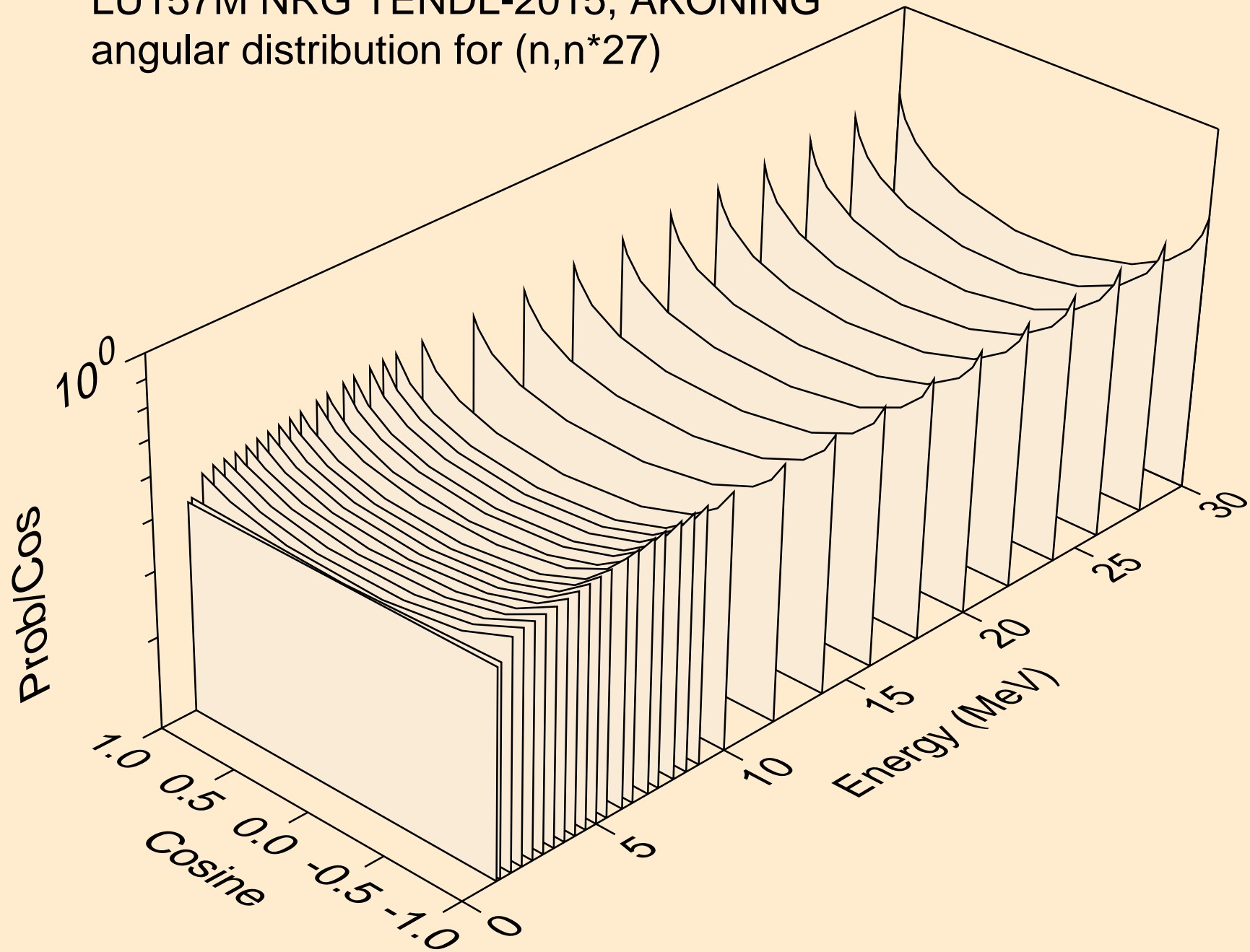
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angular distribution for (n,n\*25)



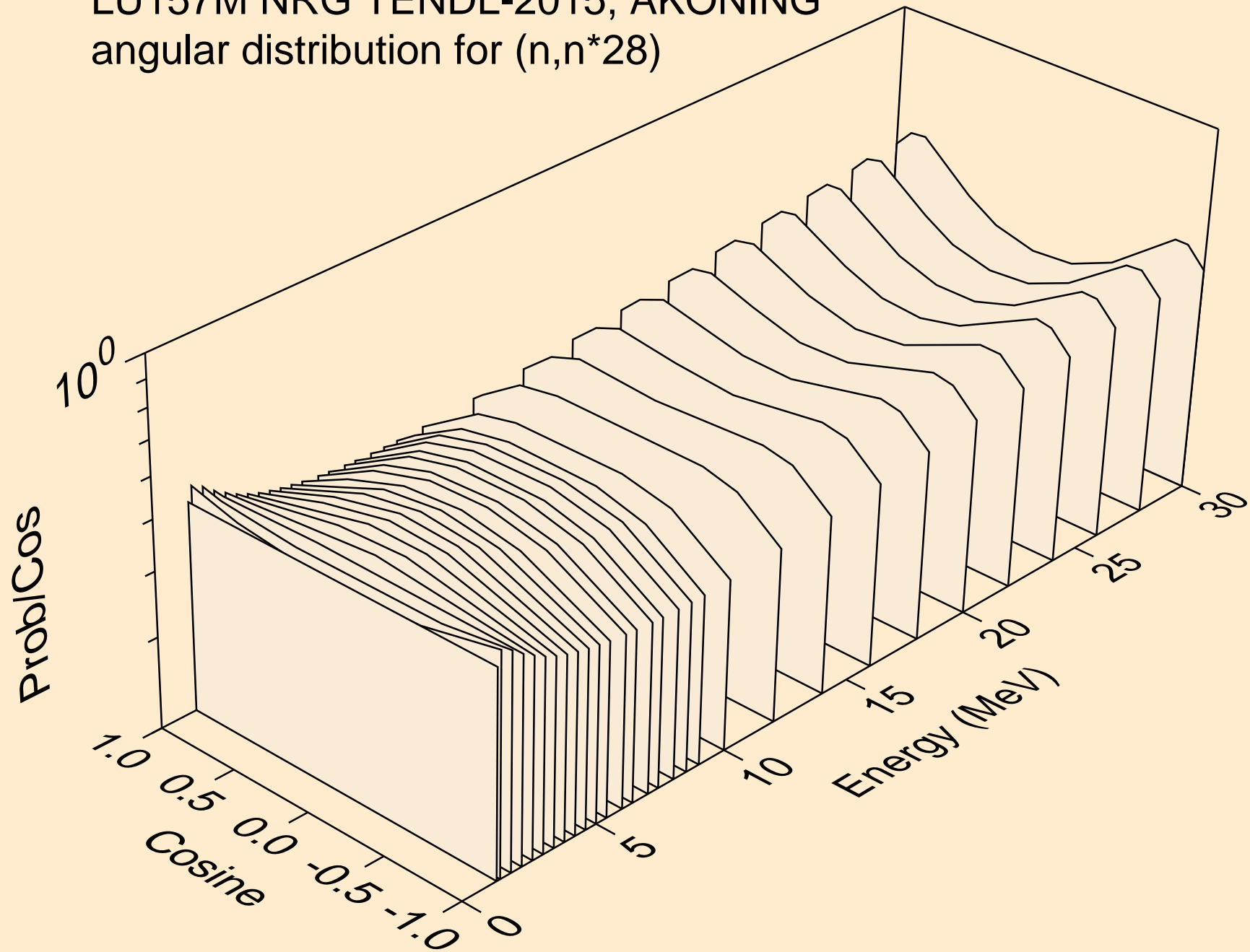
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



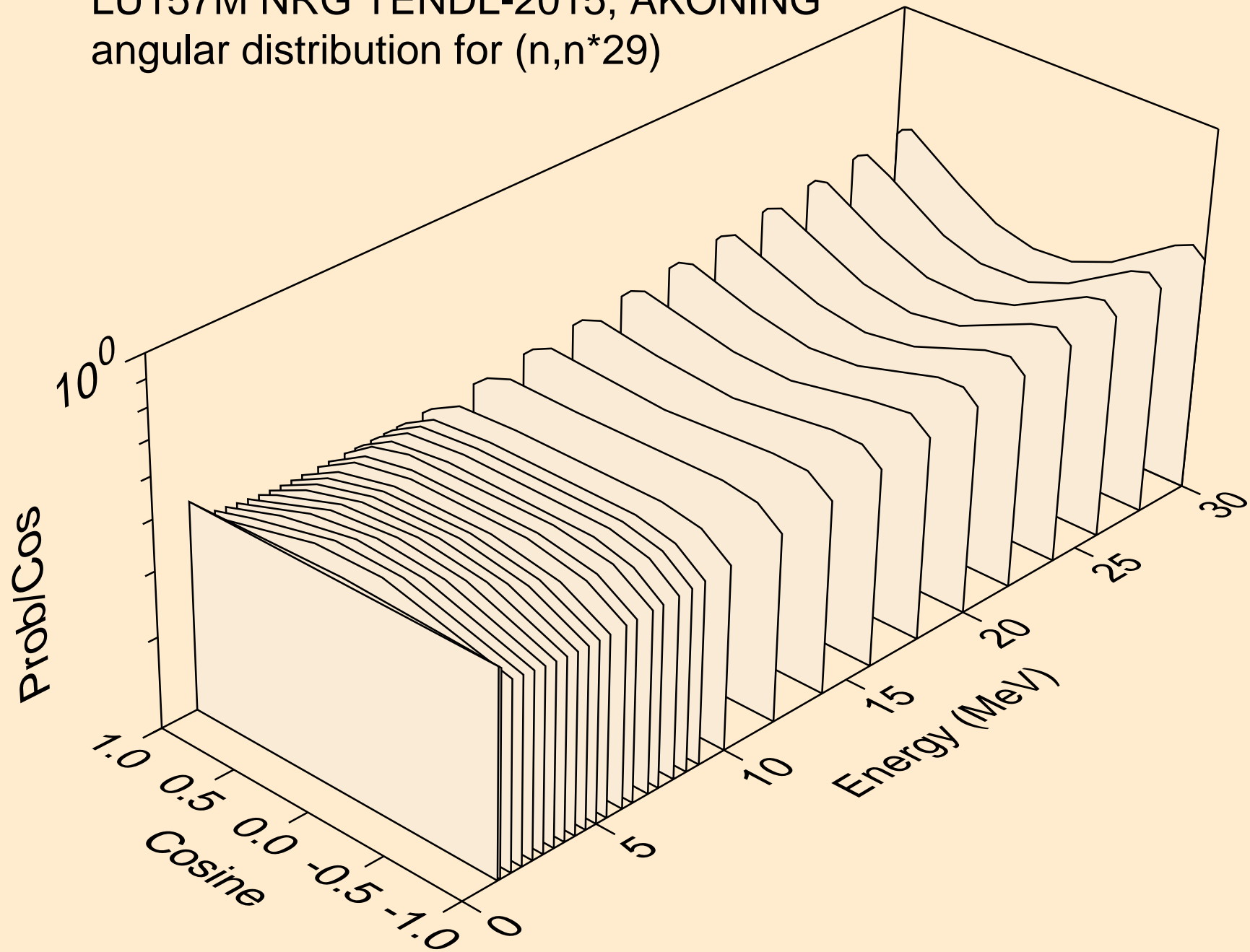
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



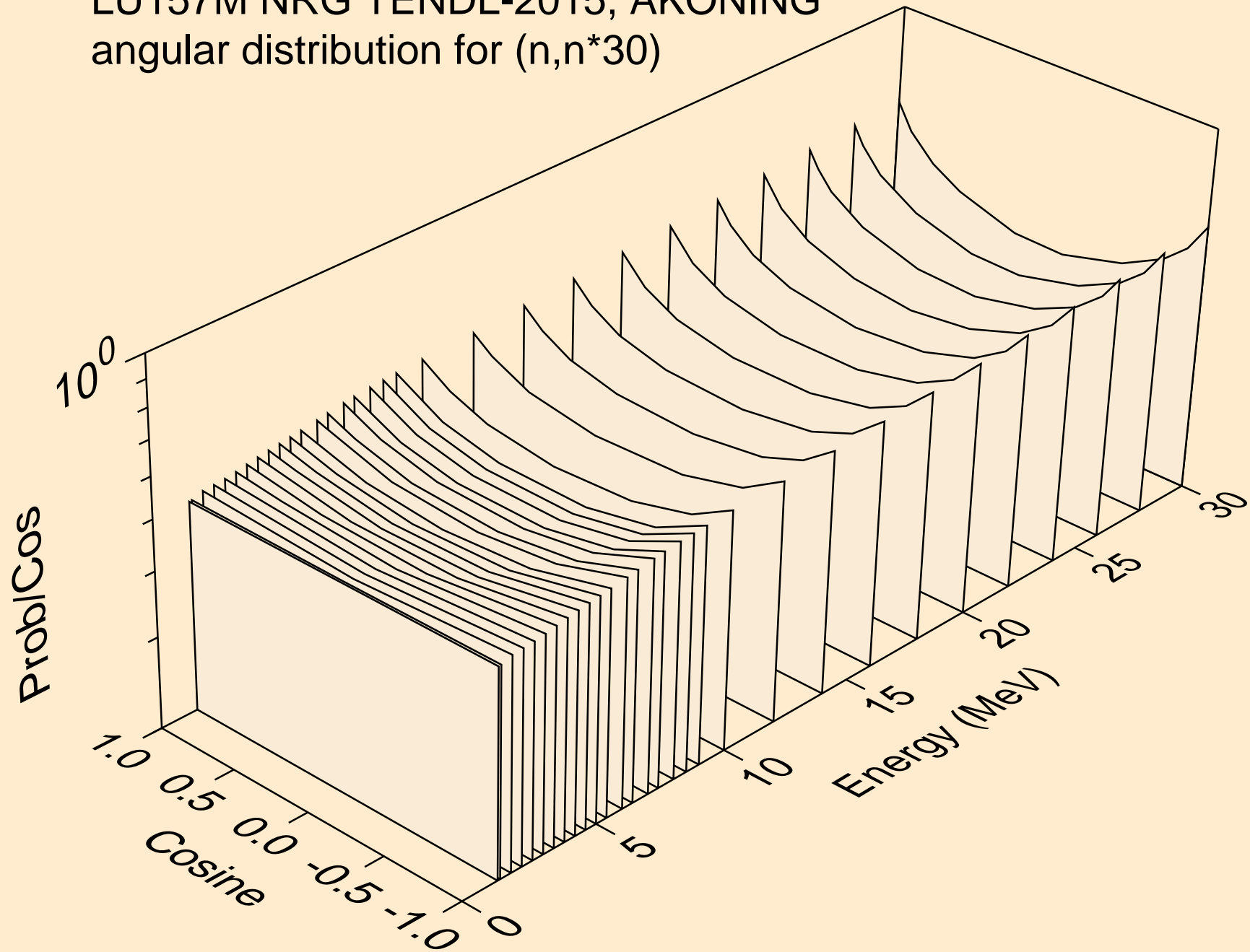
LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

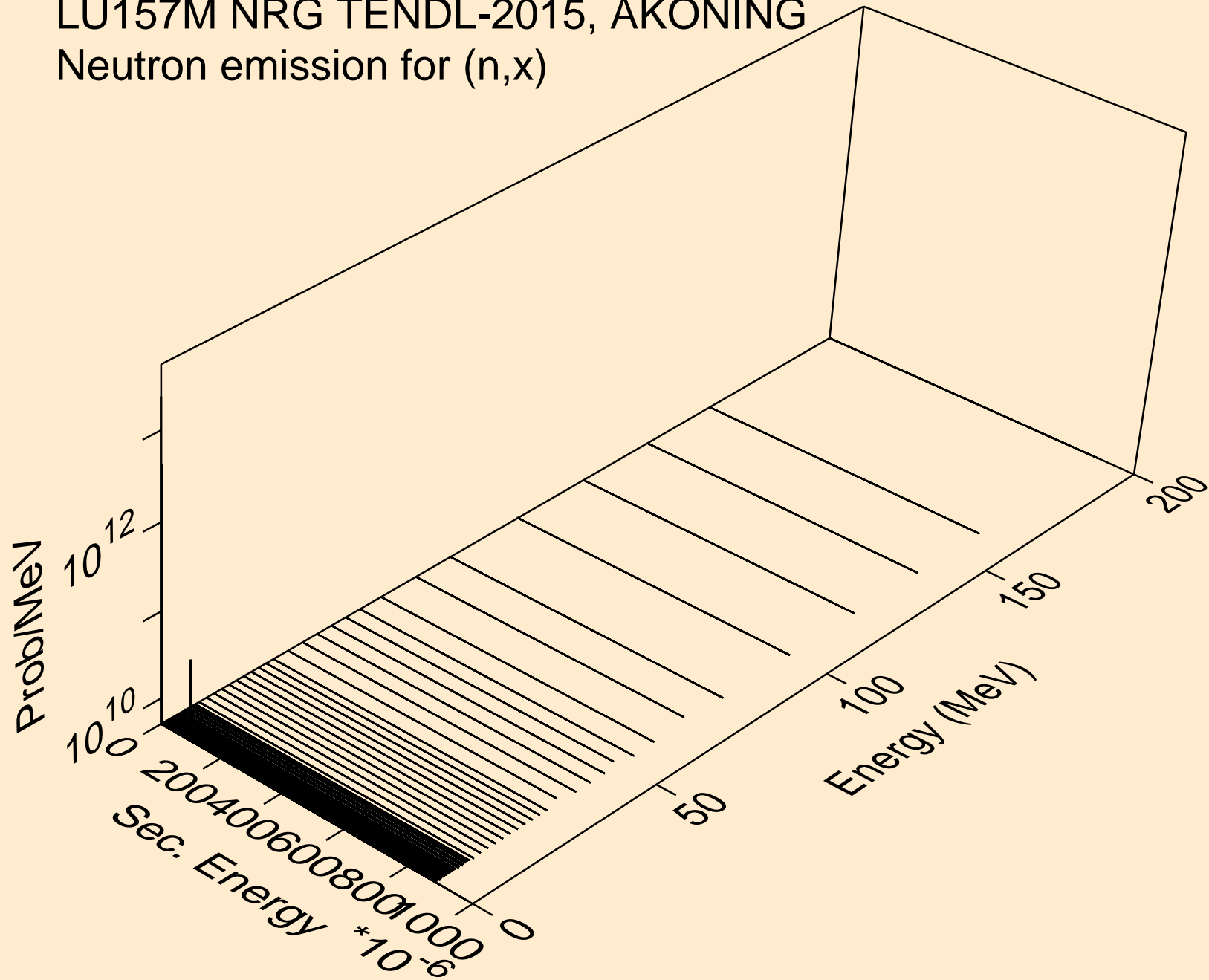


LU157M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

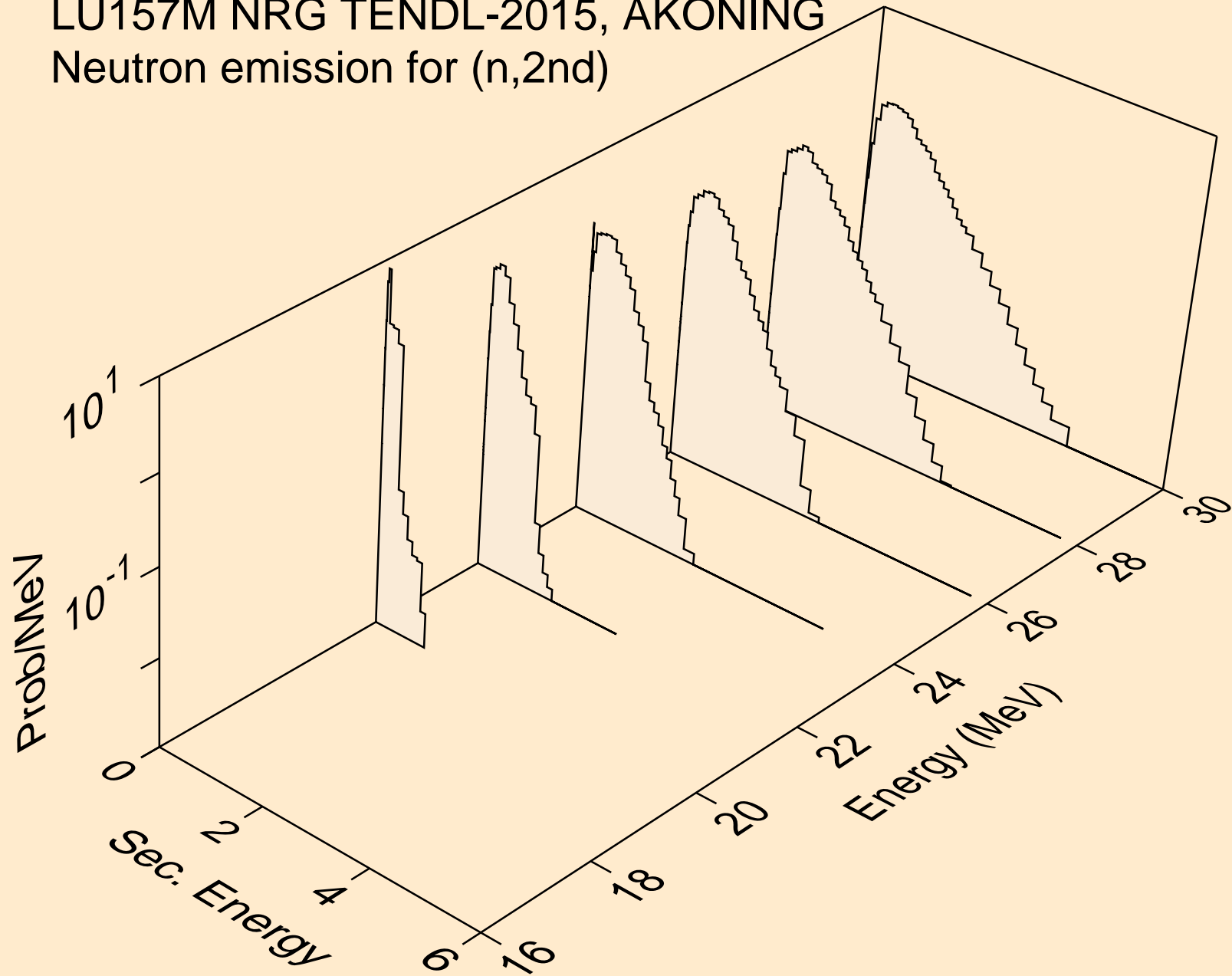




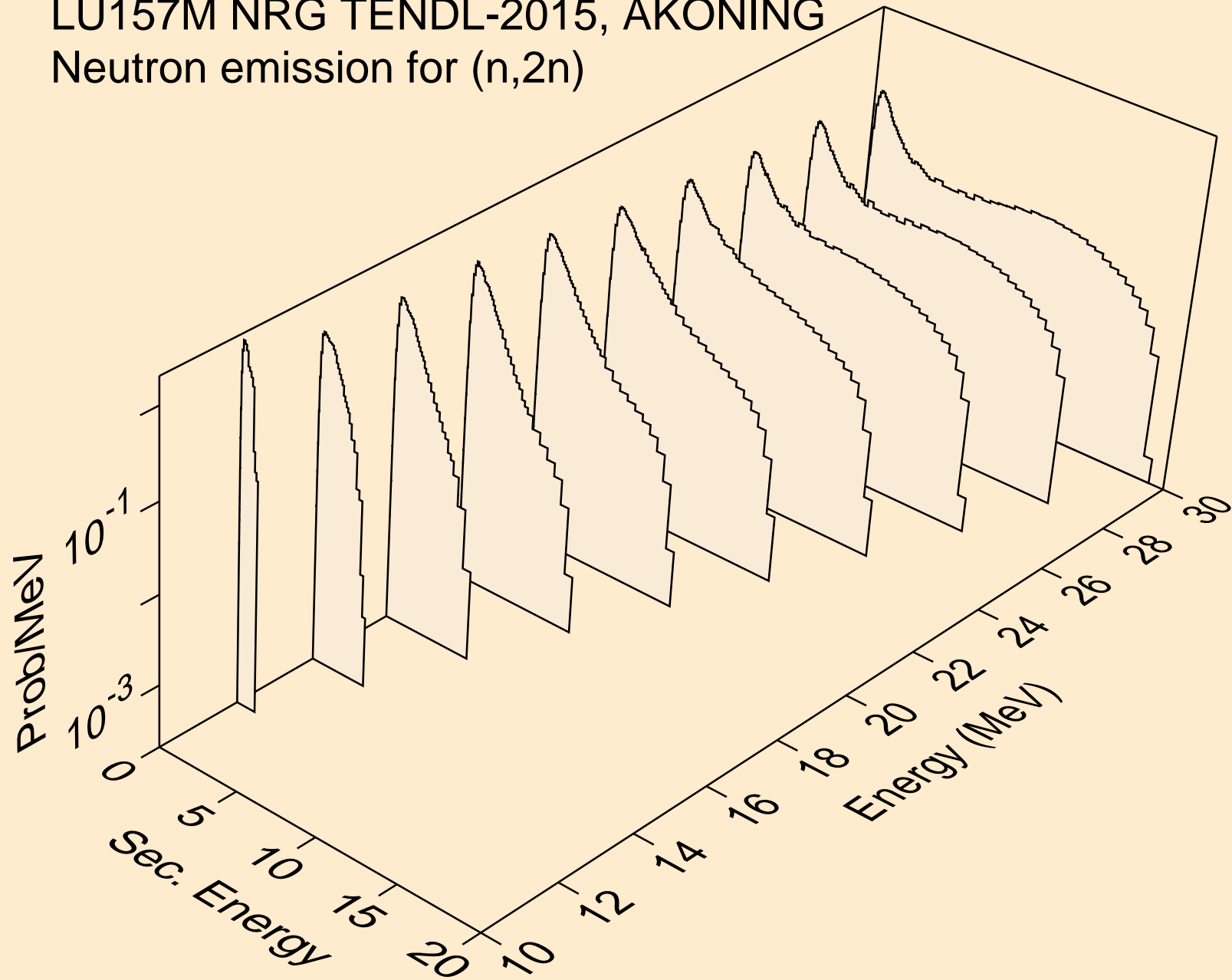
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



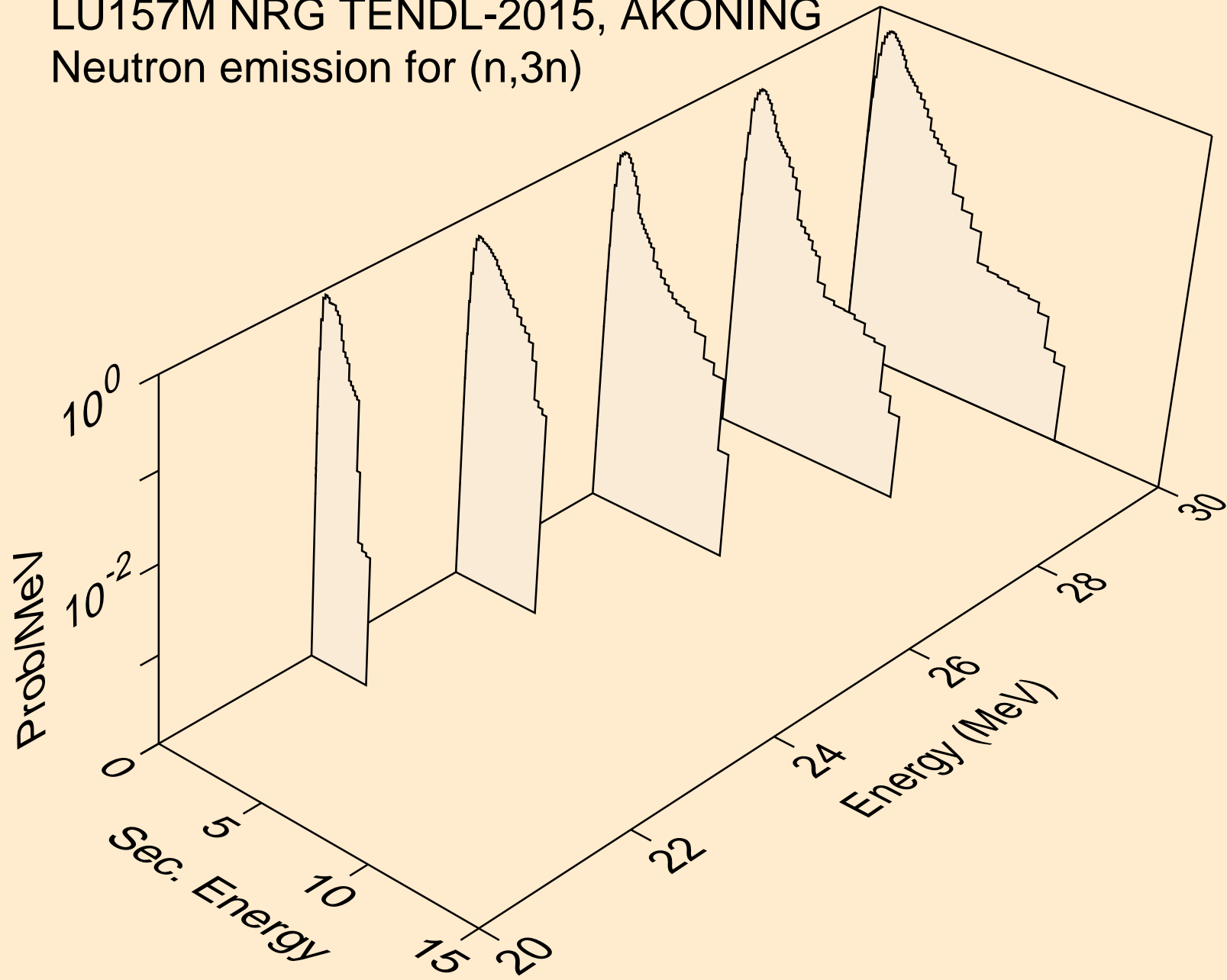
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



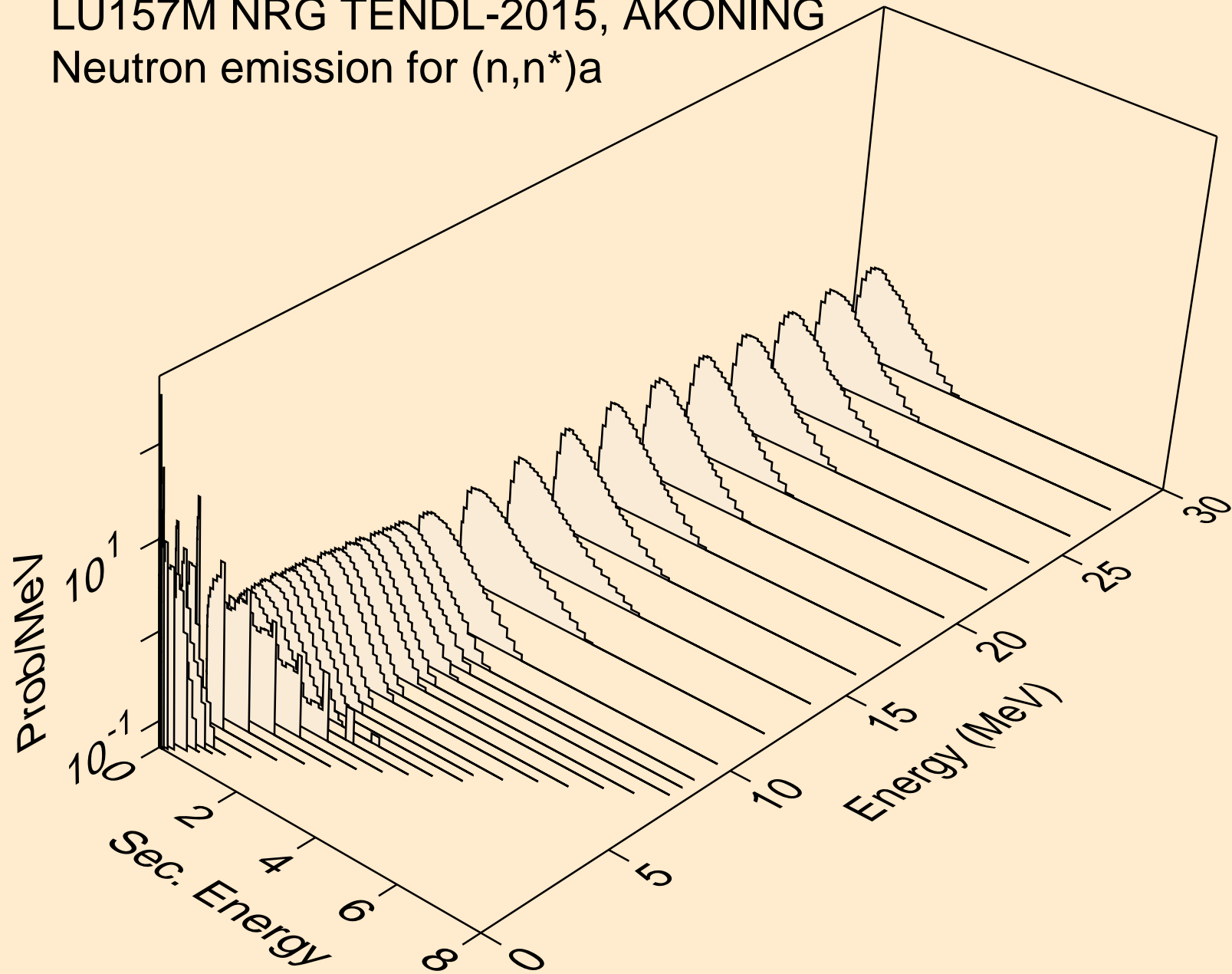
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



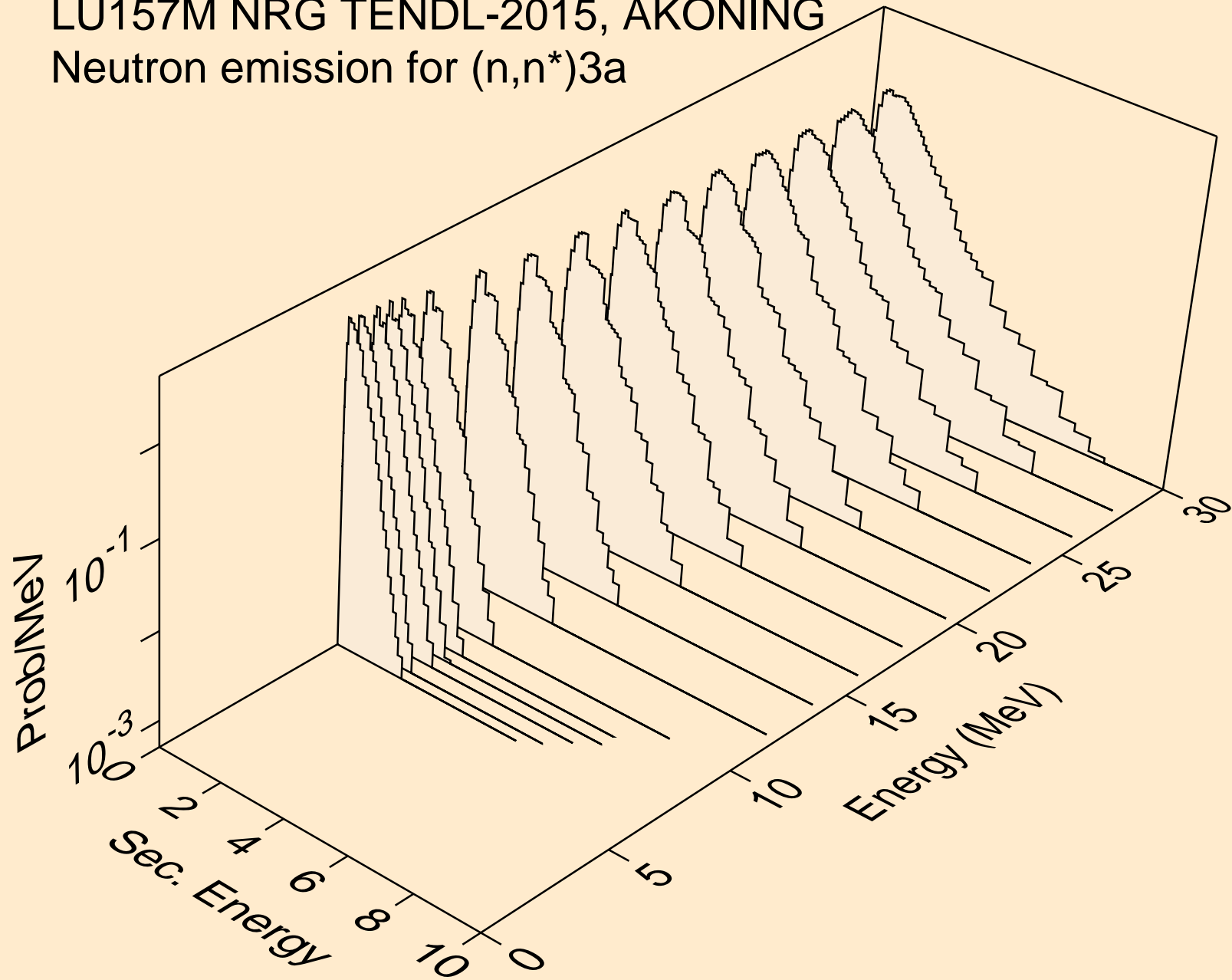
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



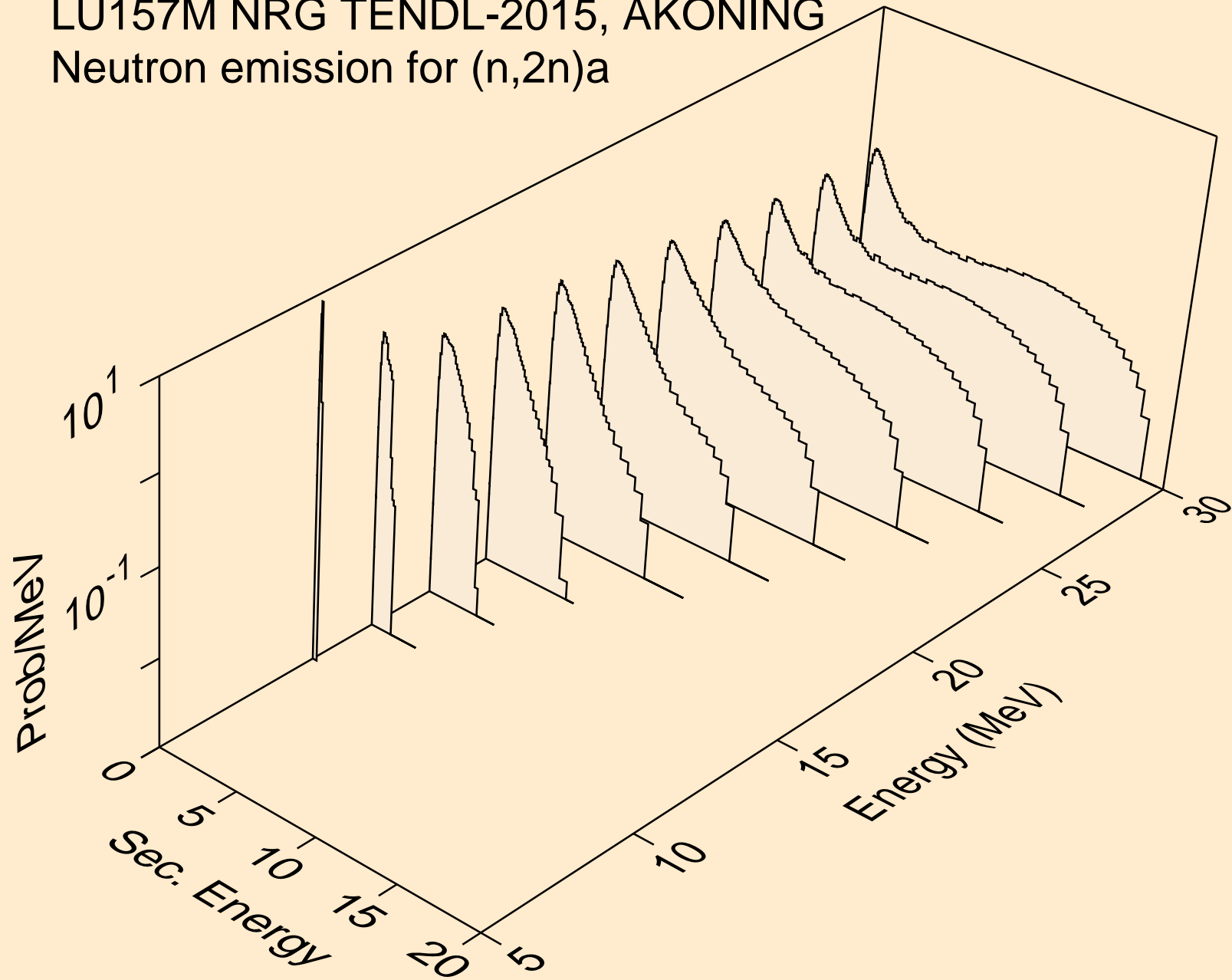
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



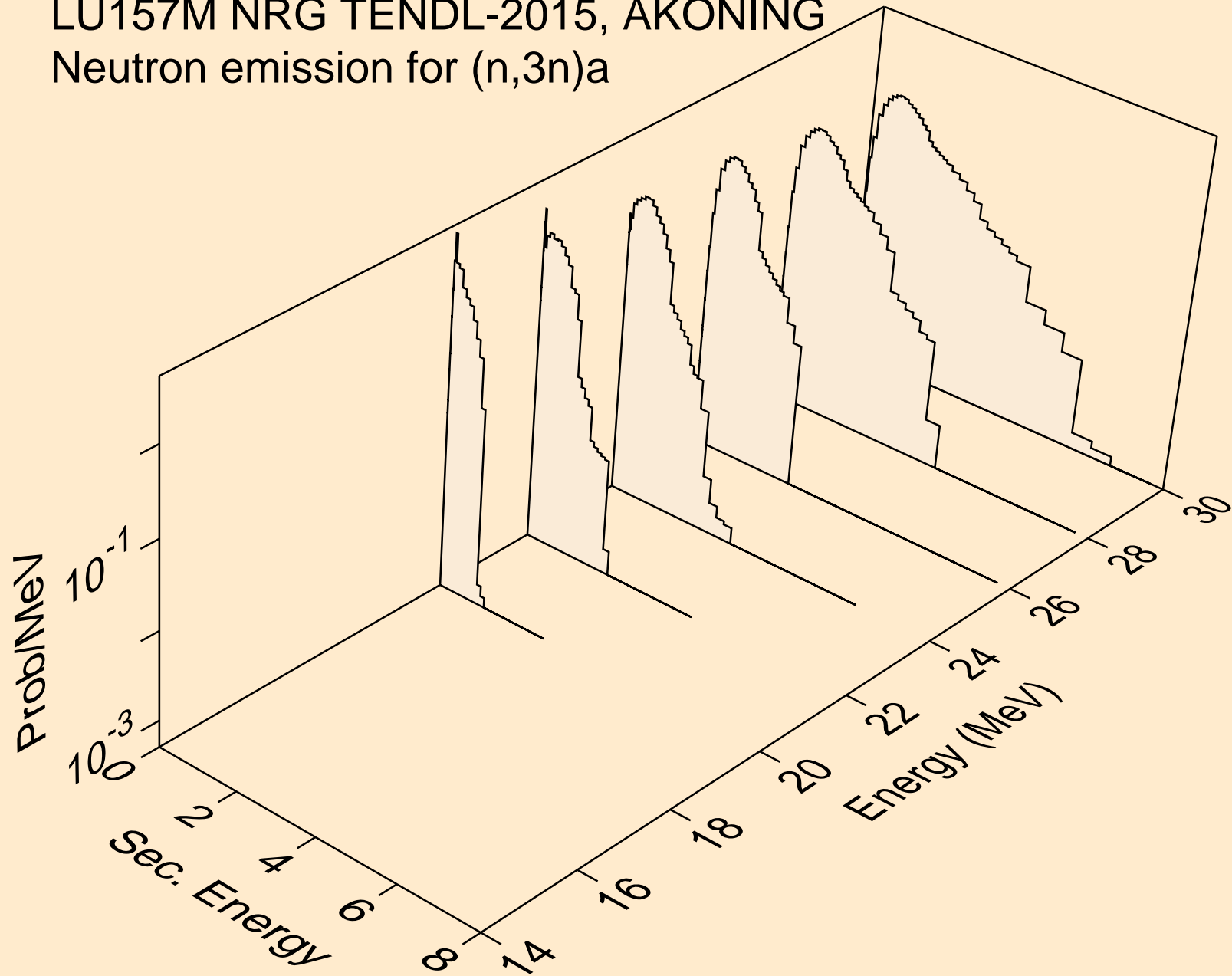
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

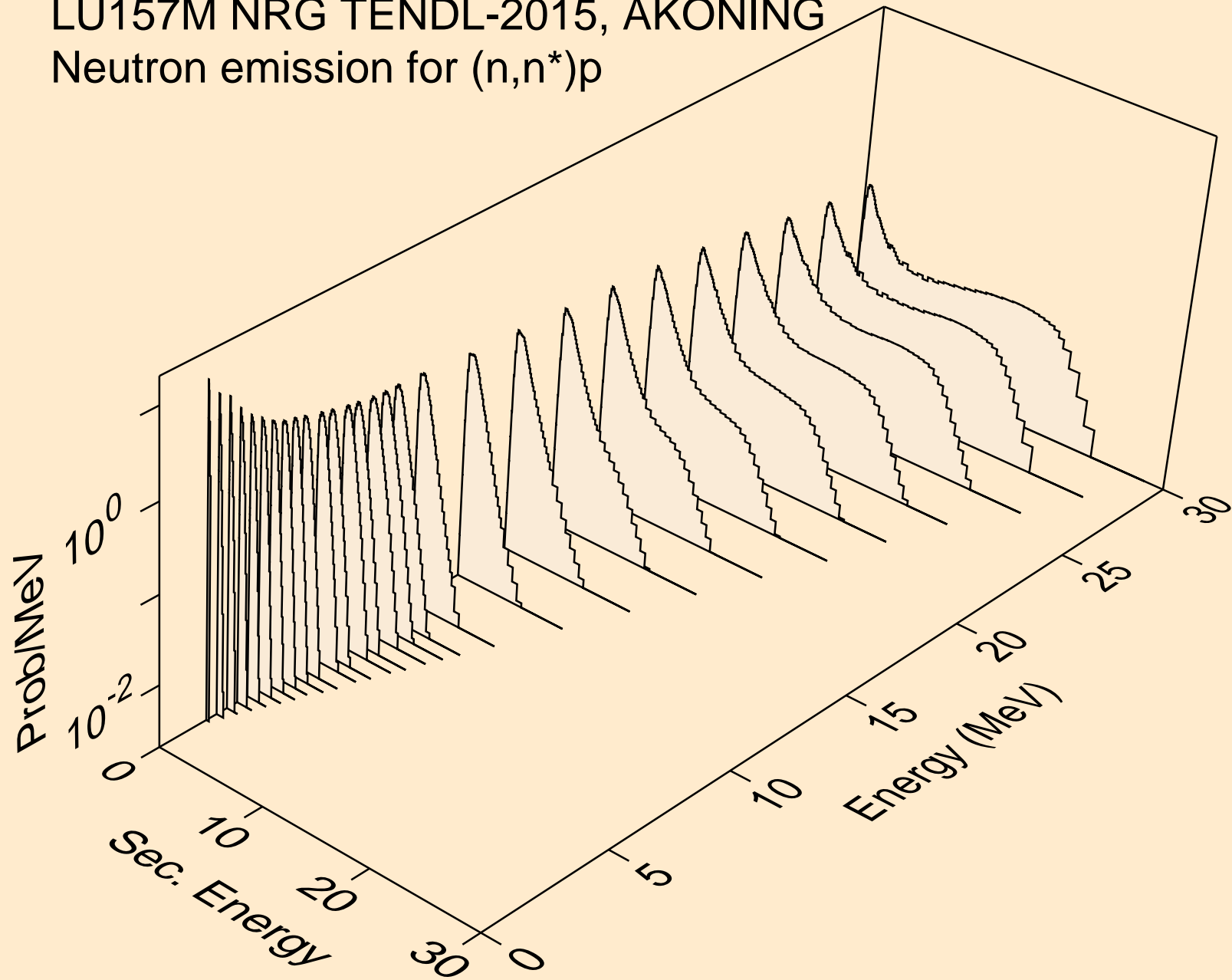


LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

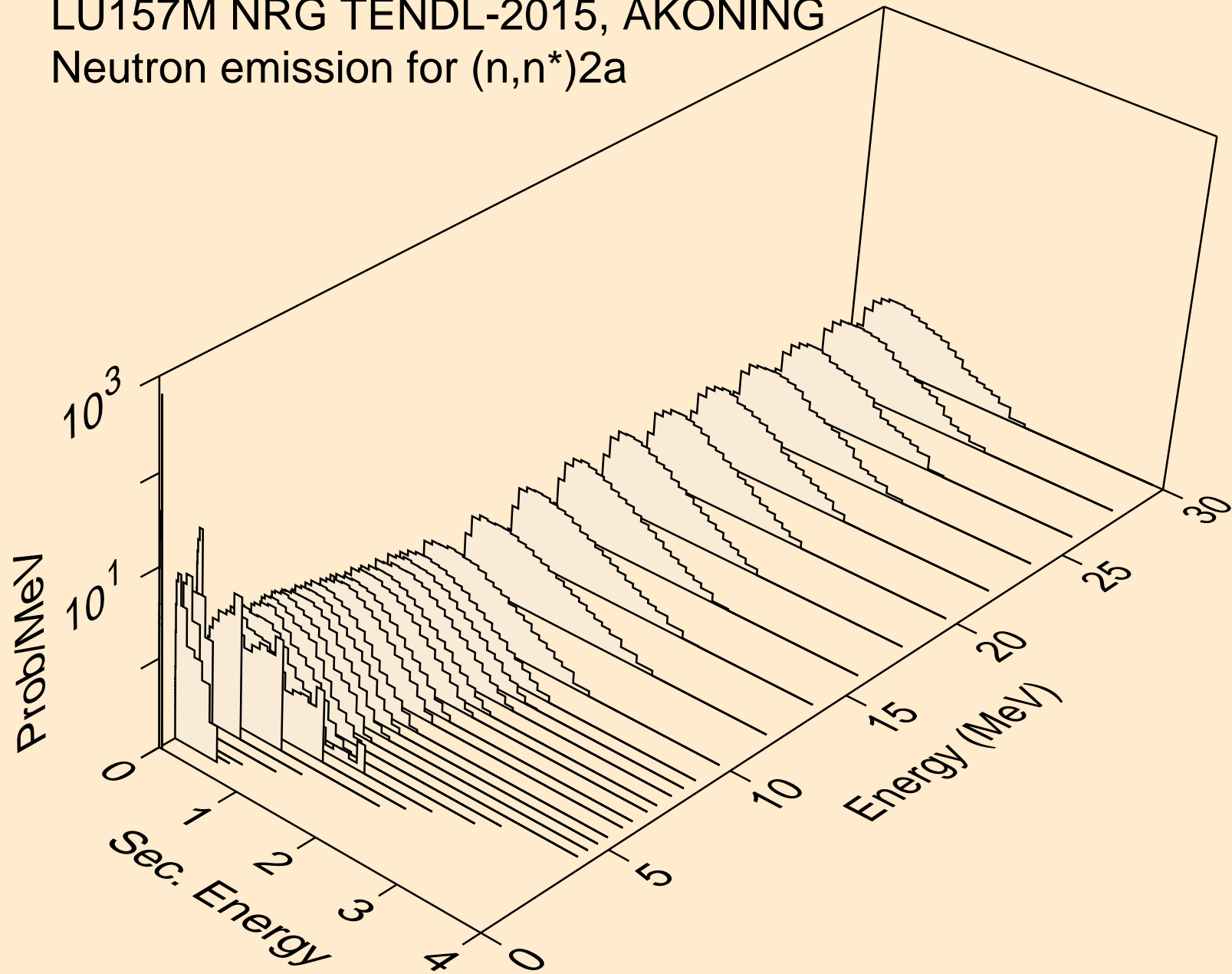




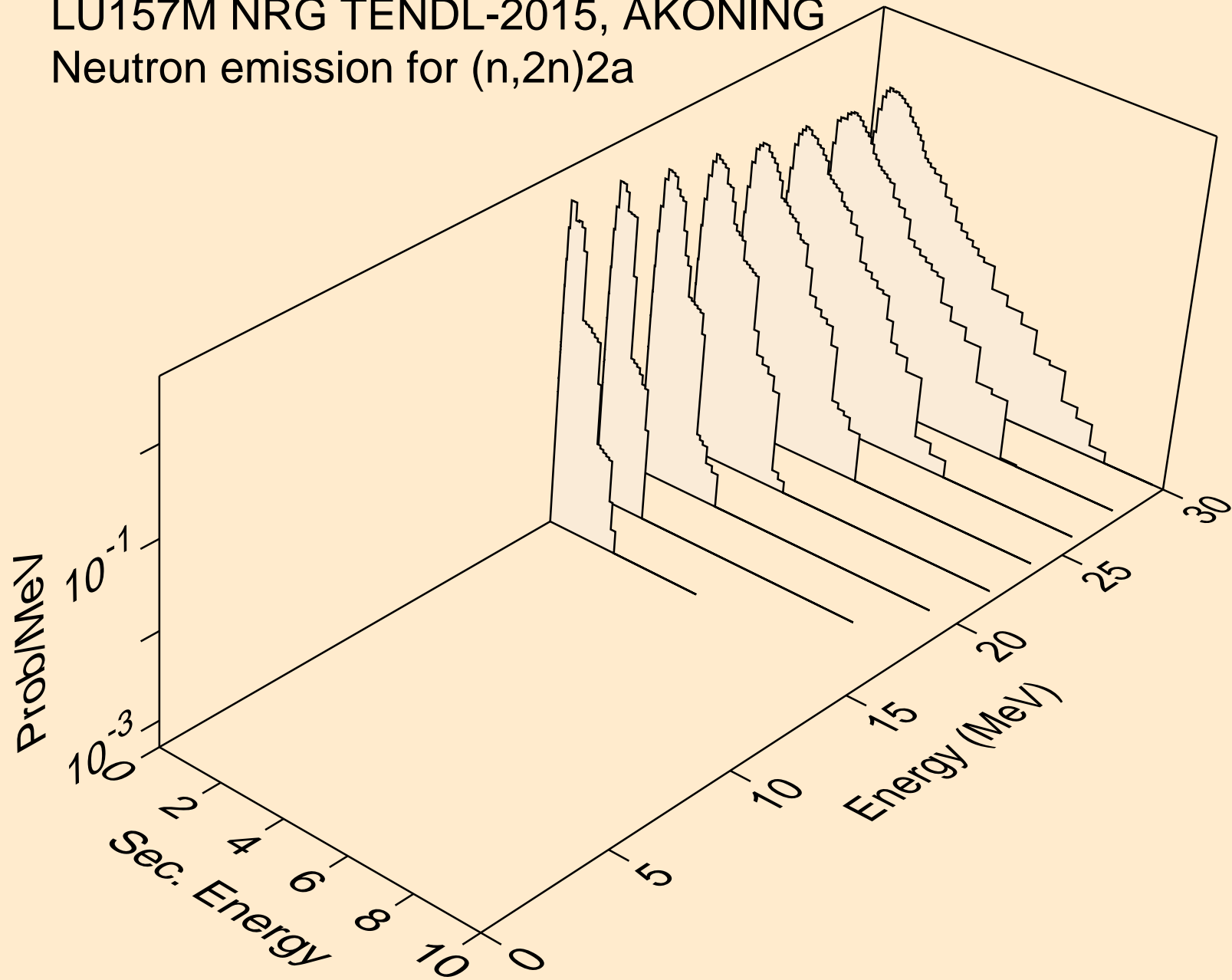
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



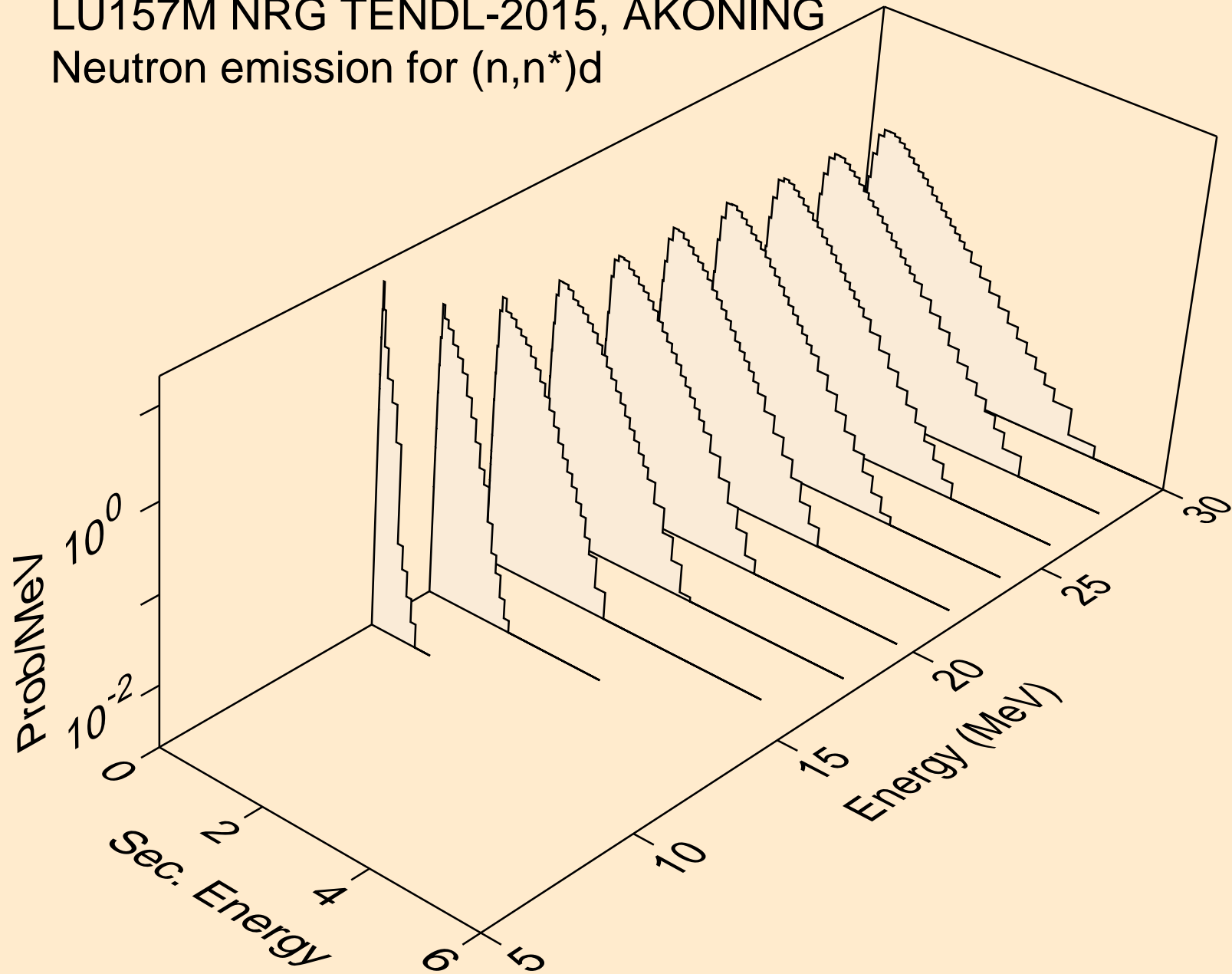
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



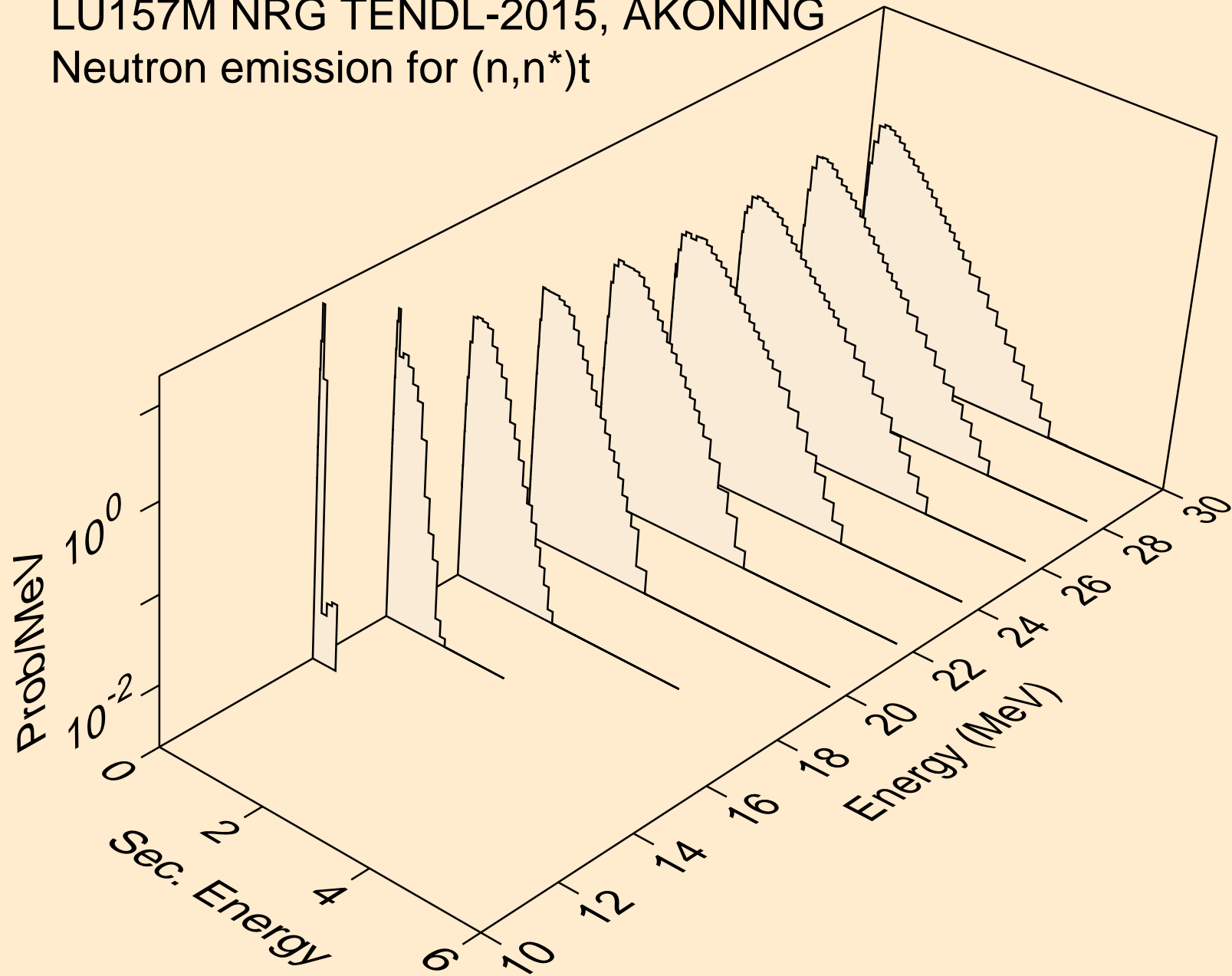
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



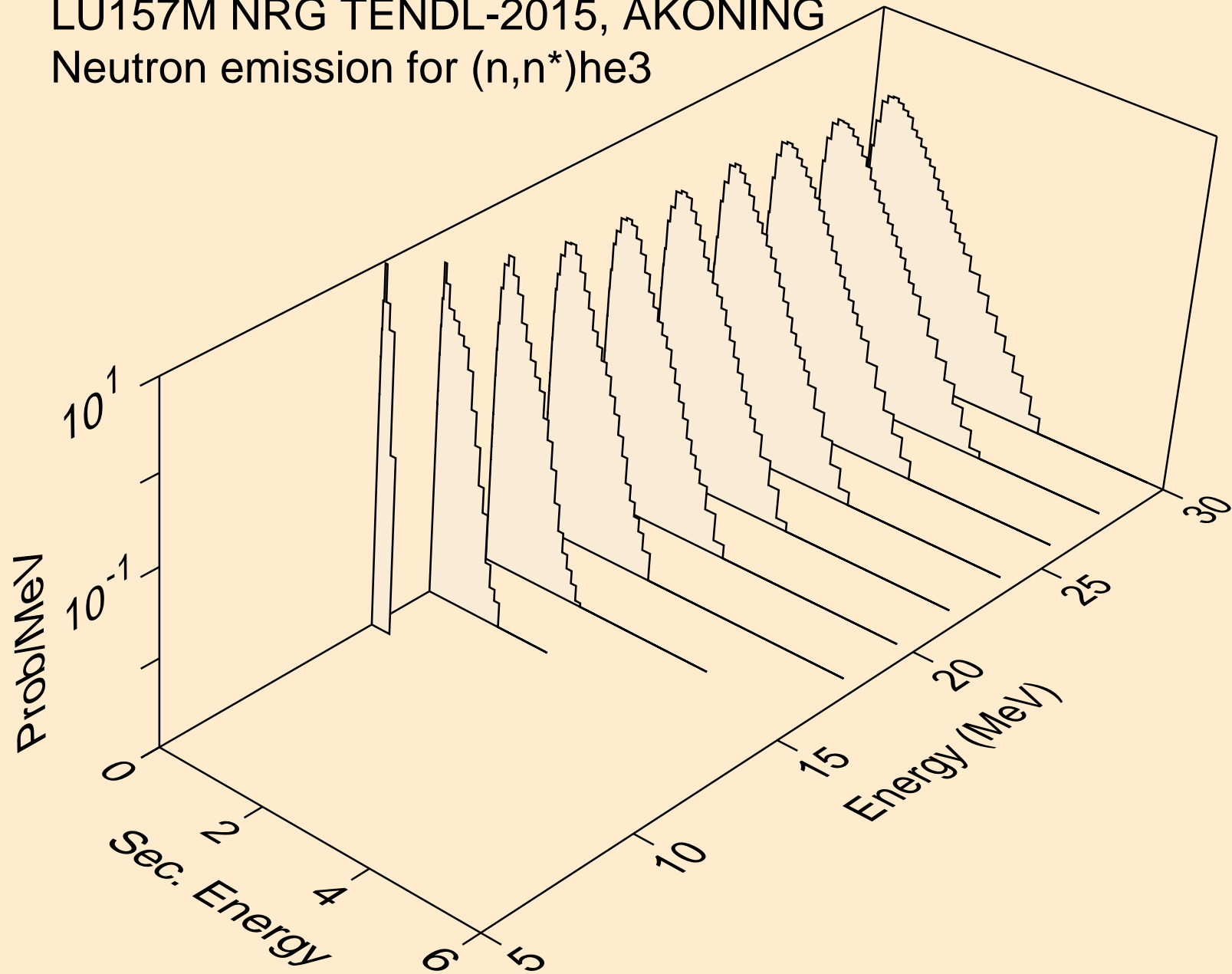
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



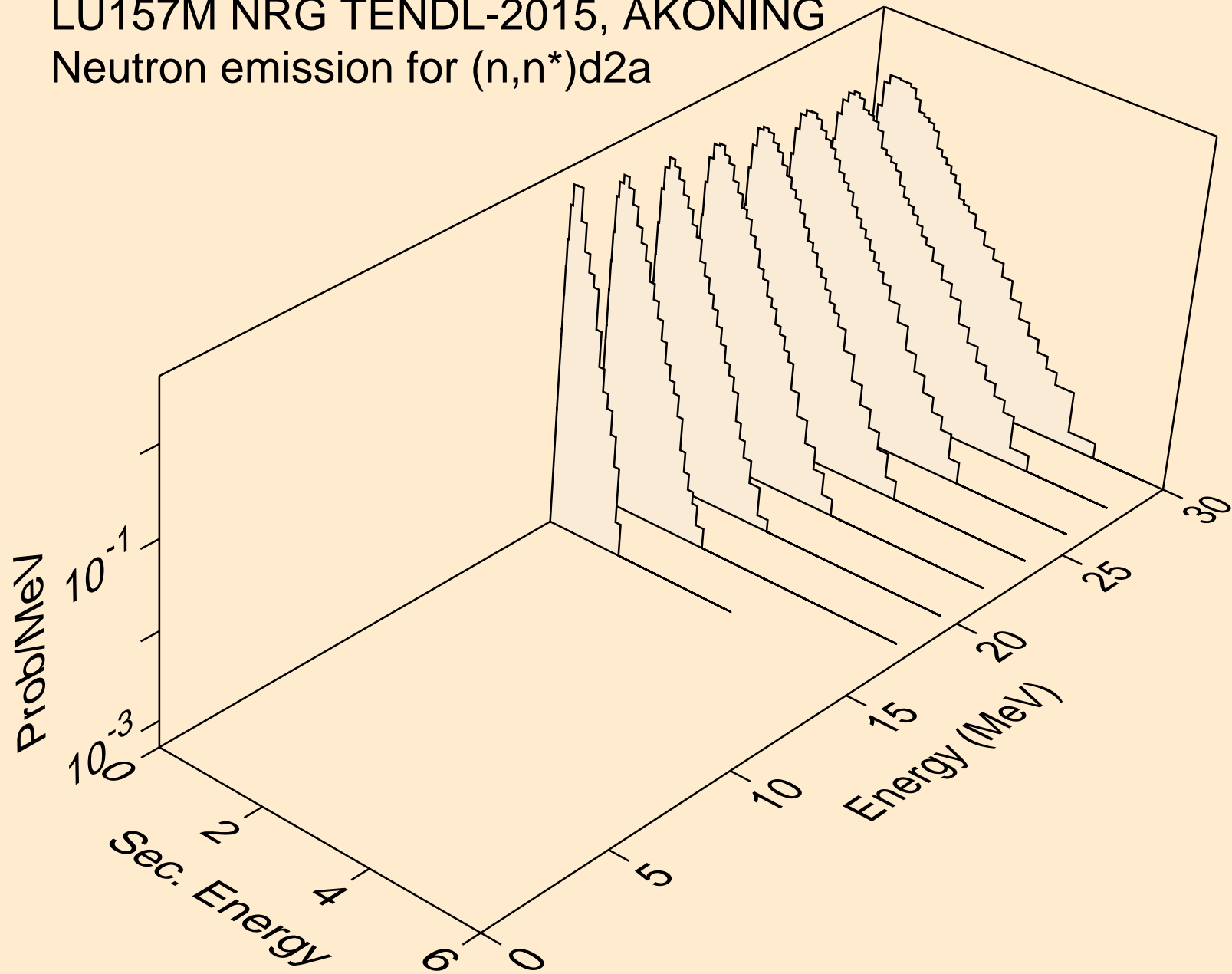
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



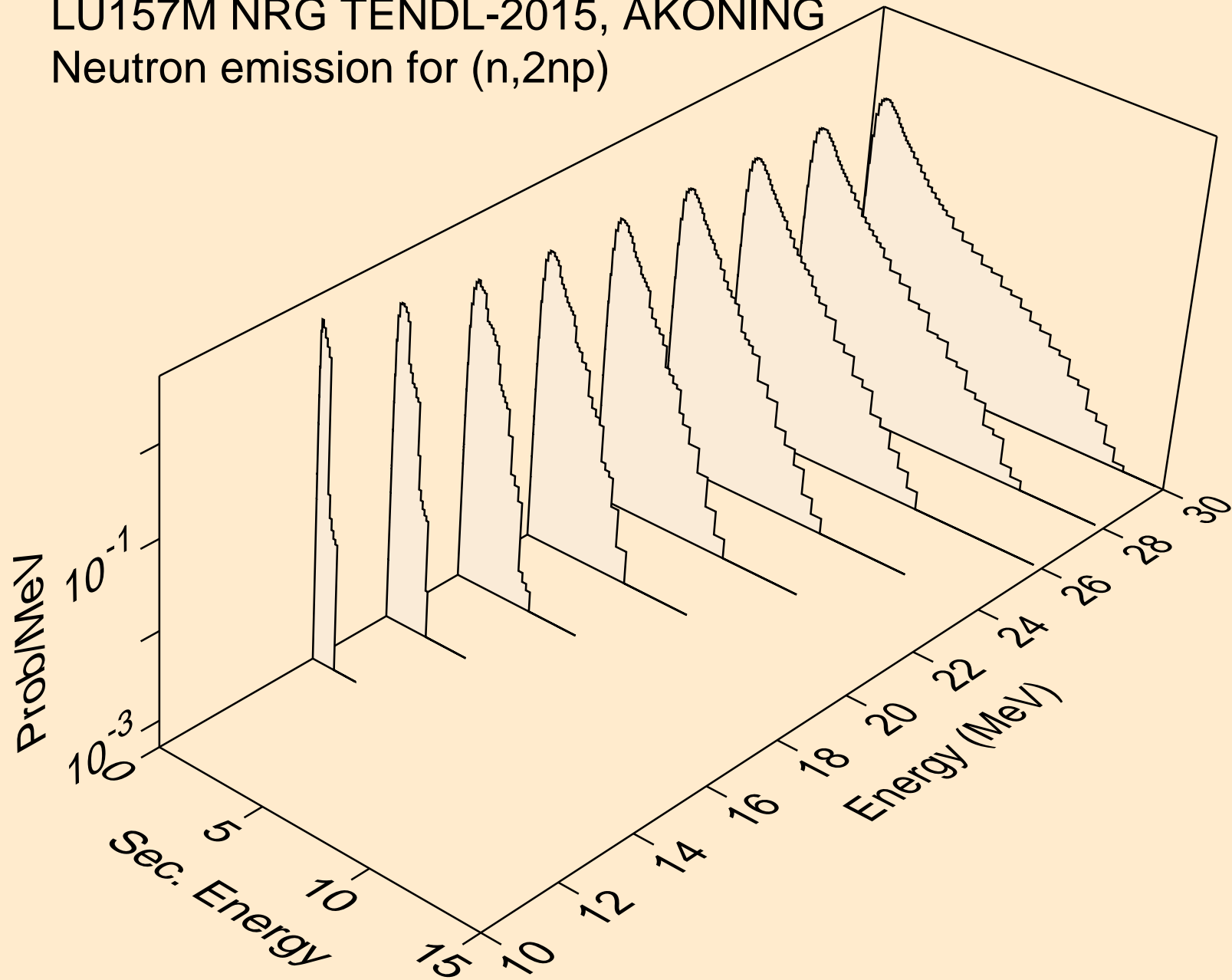
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a

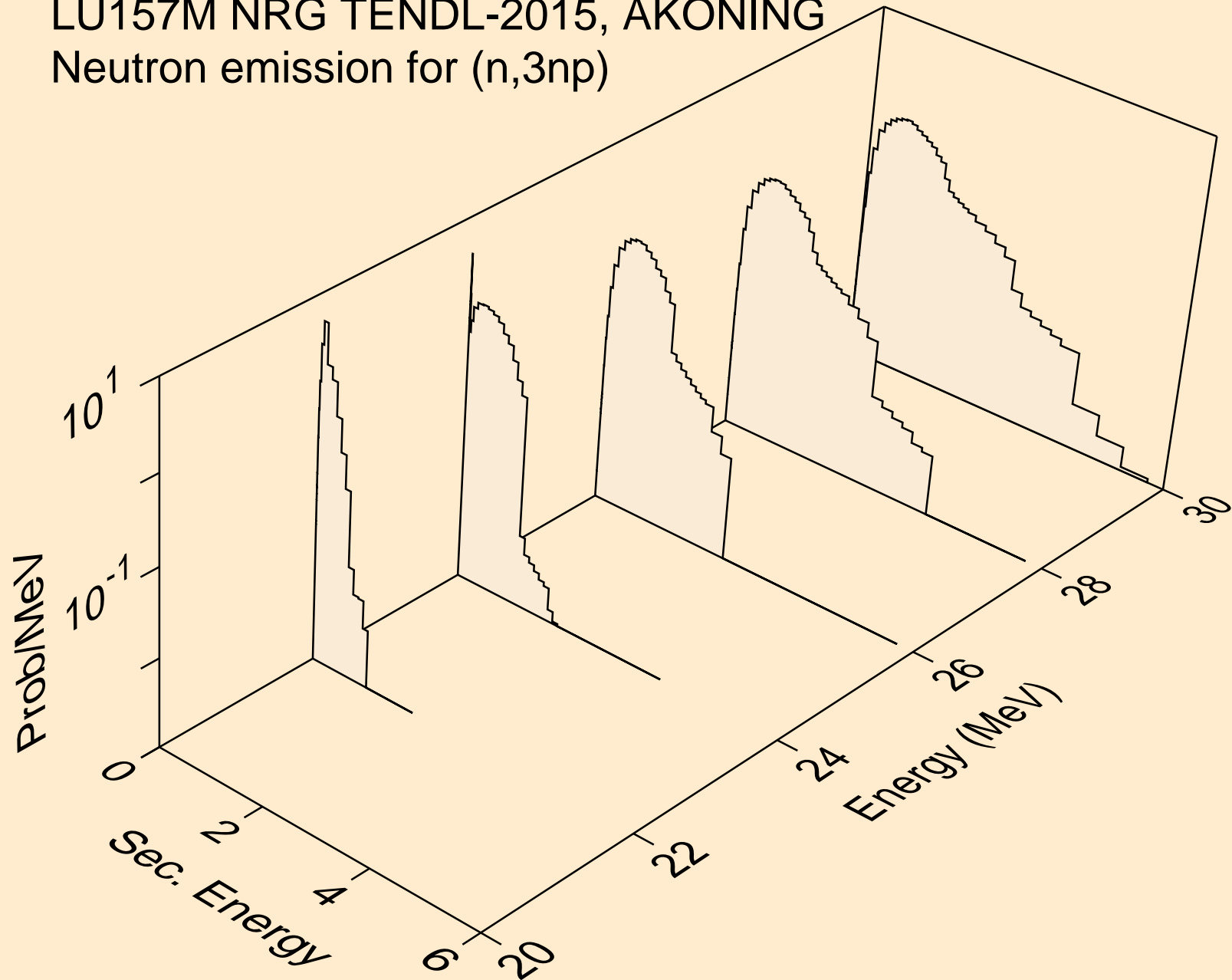


LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

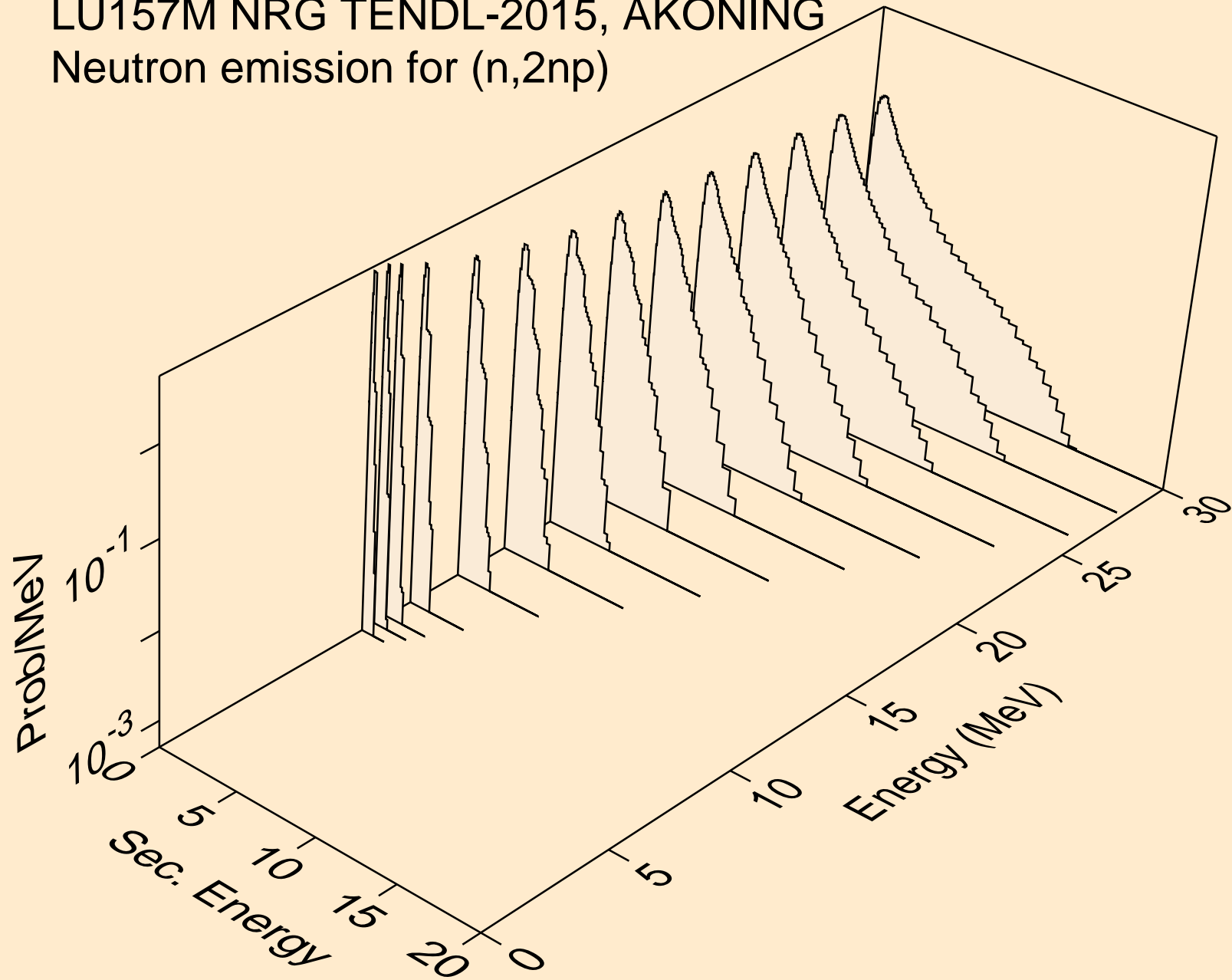




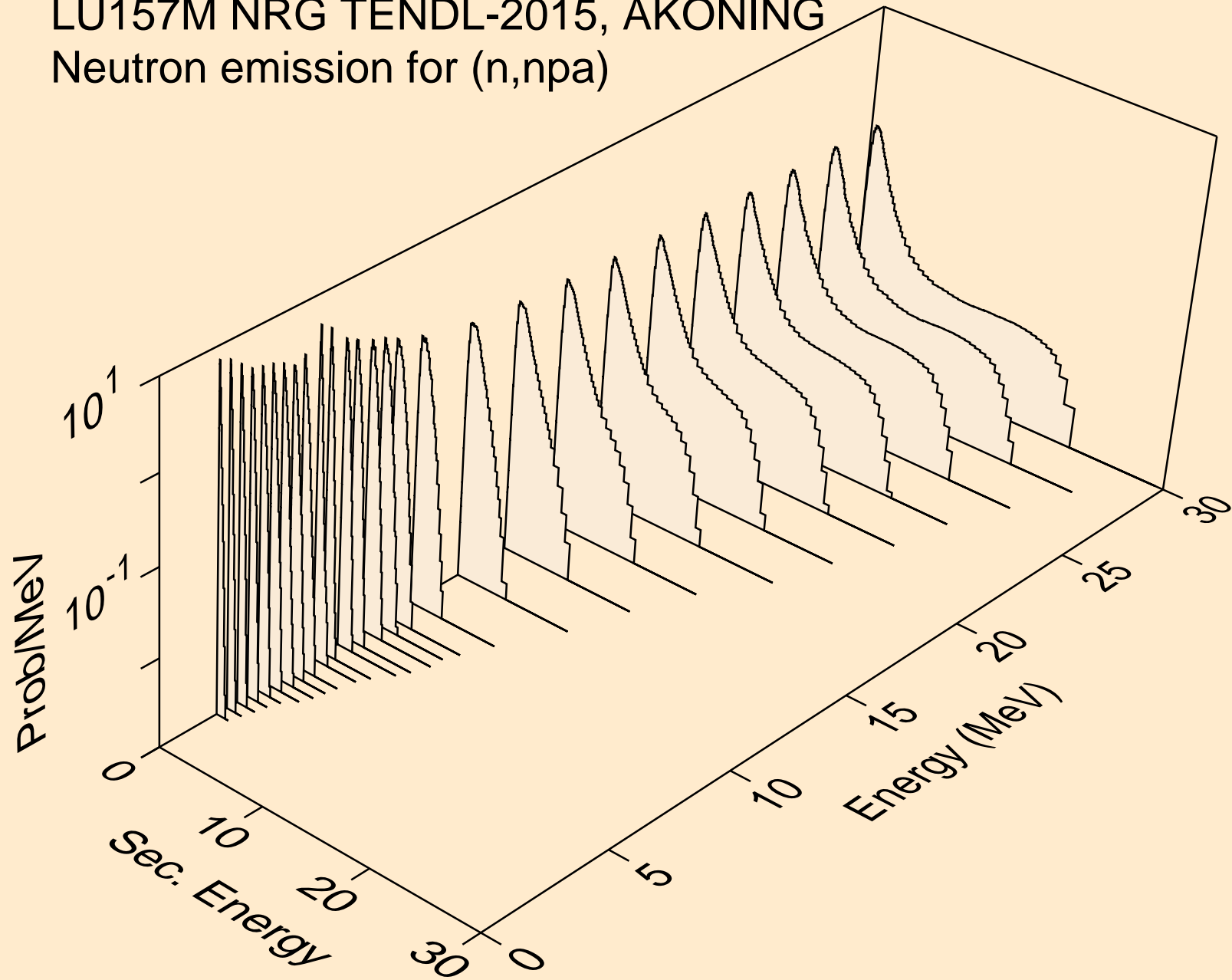
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



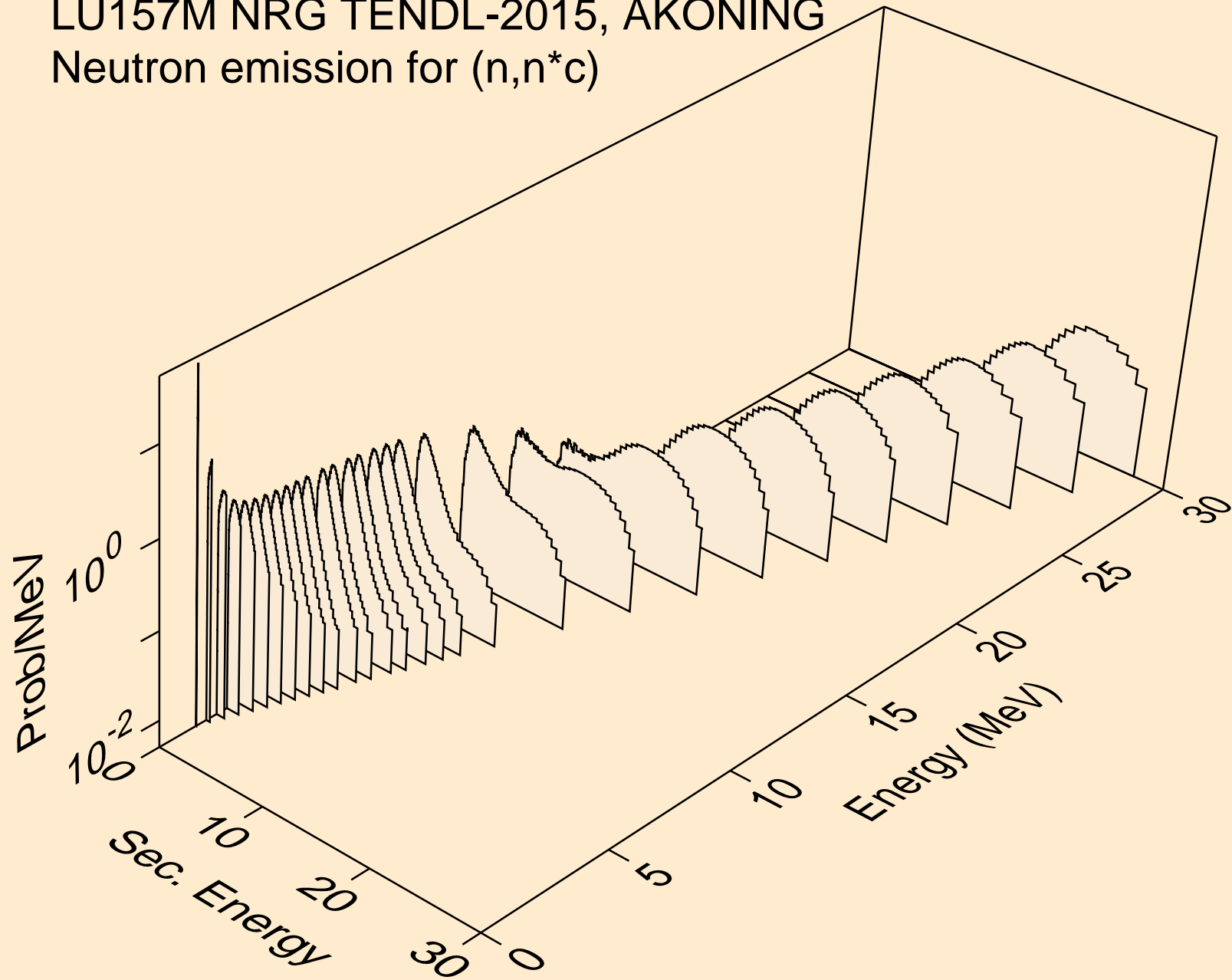
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



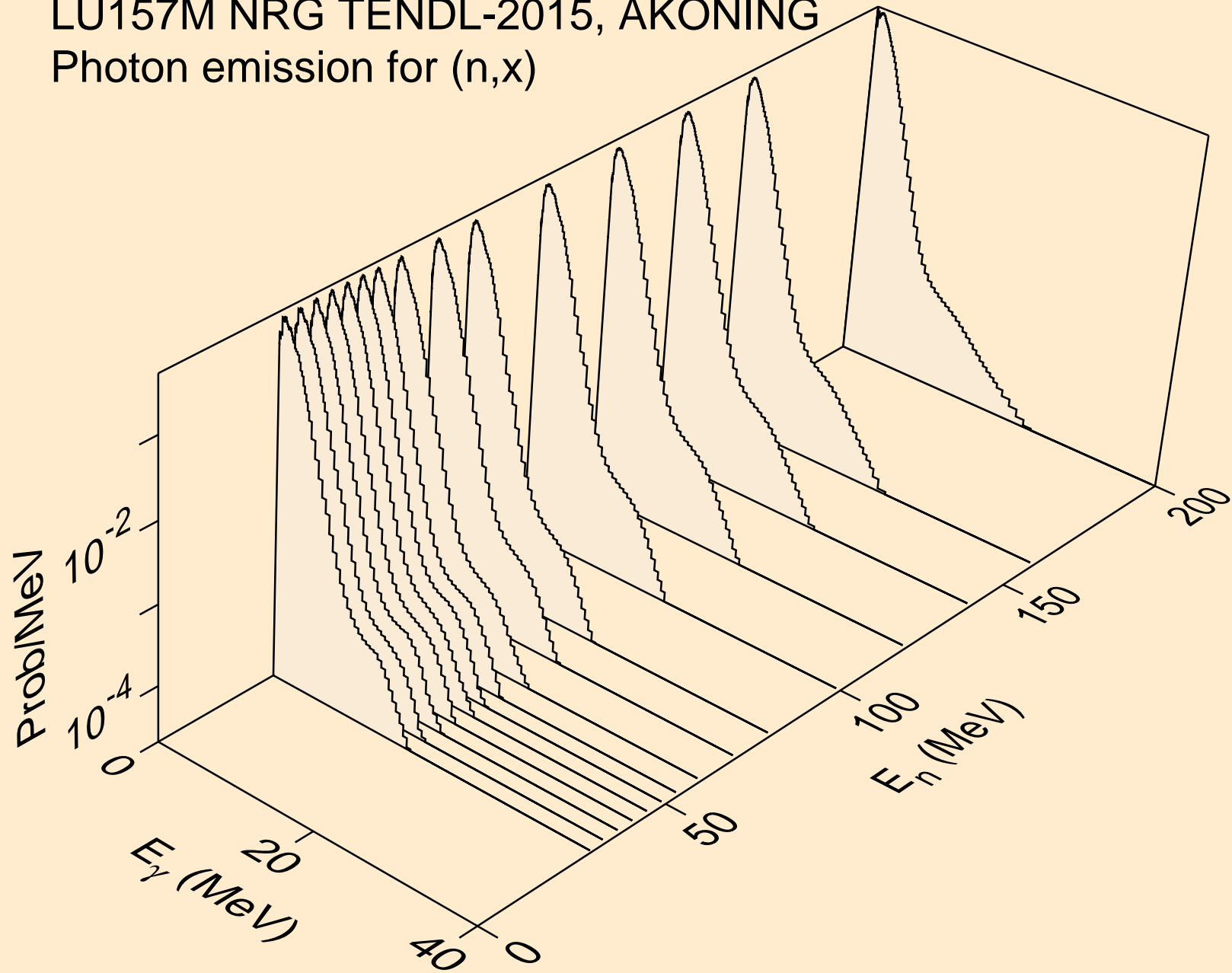
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



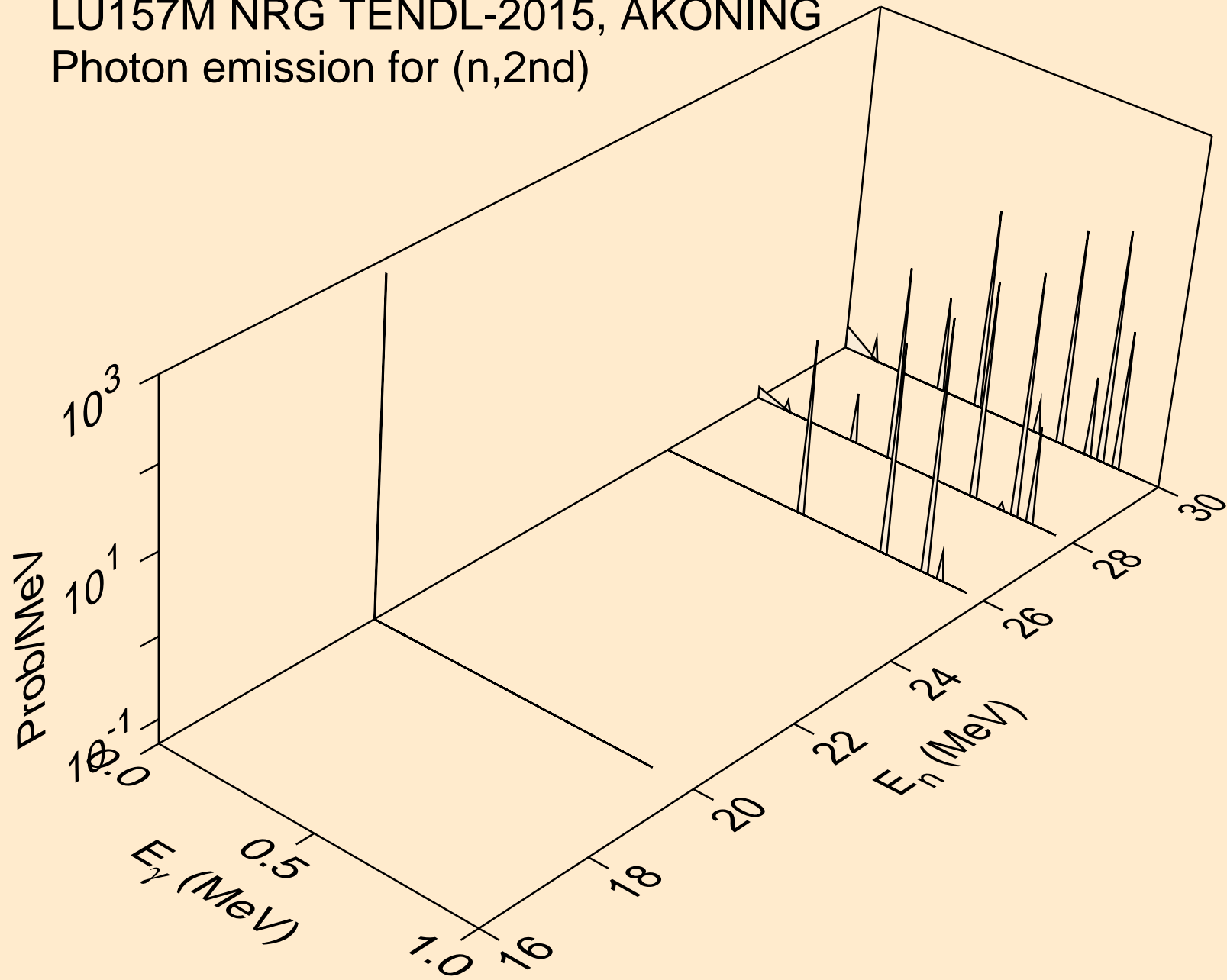
LU157M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



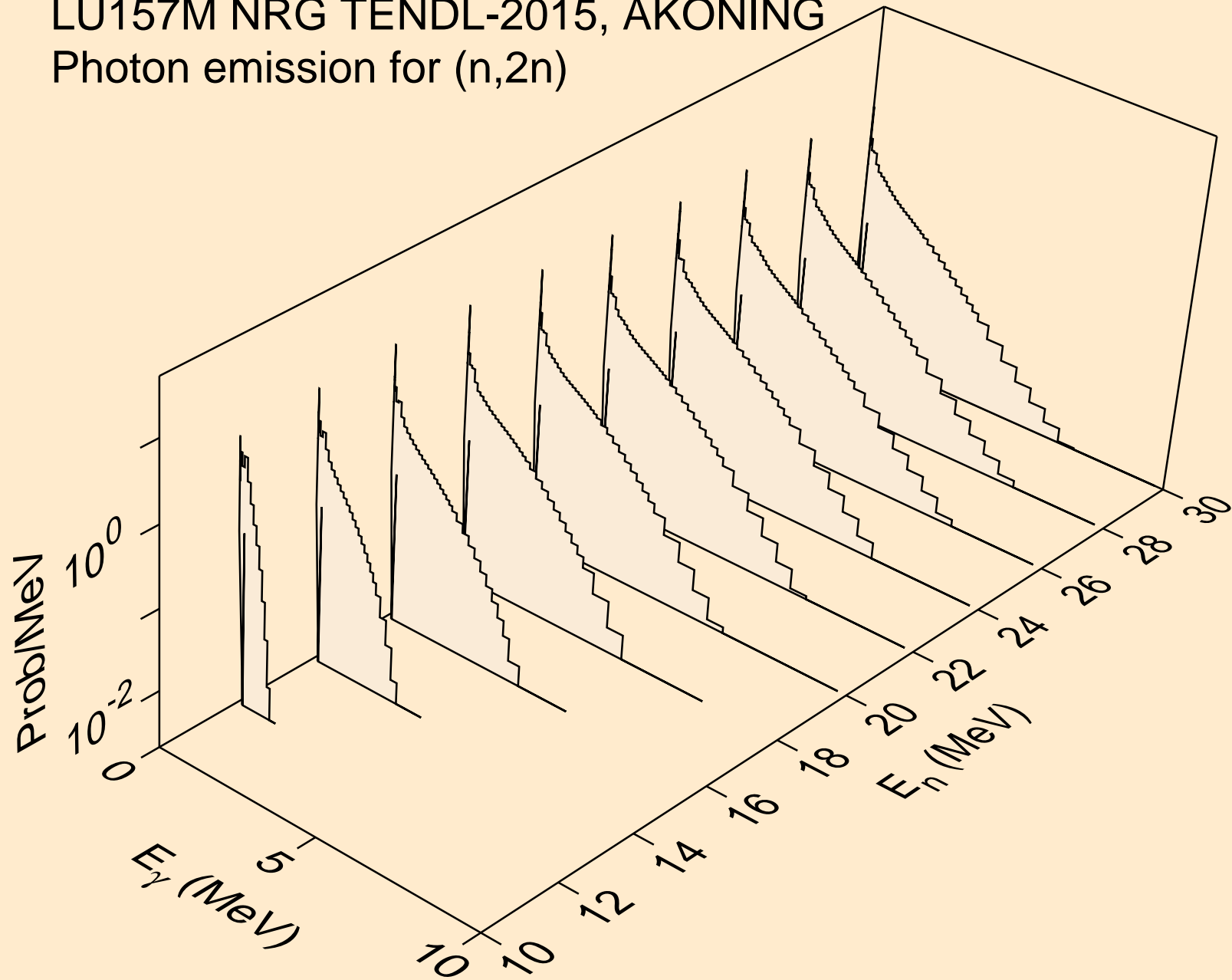
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,x)



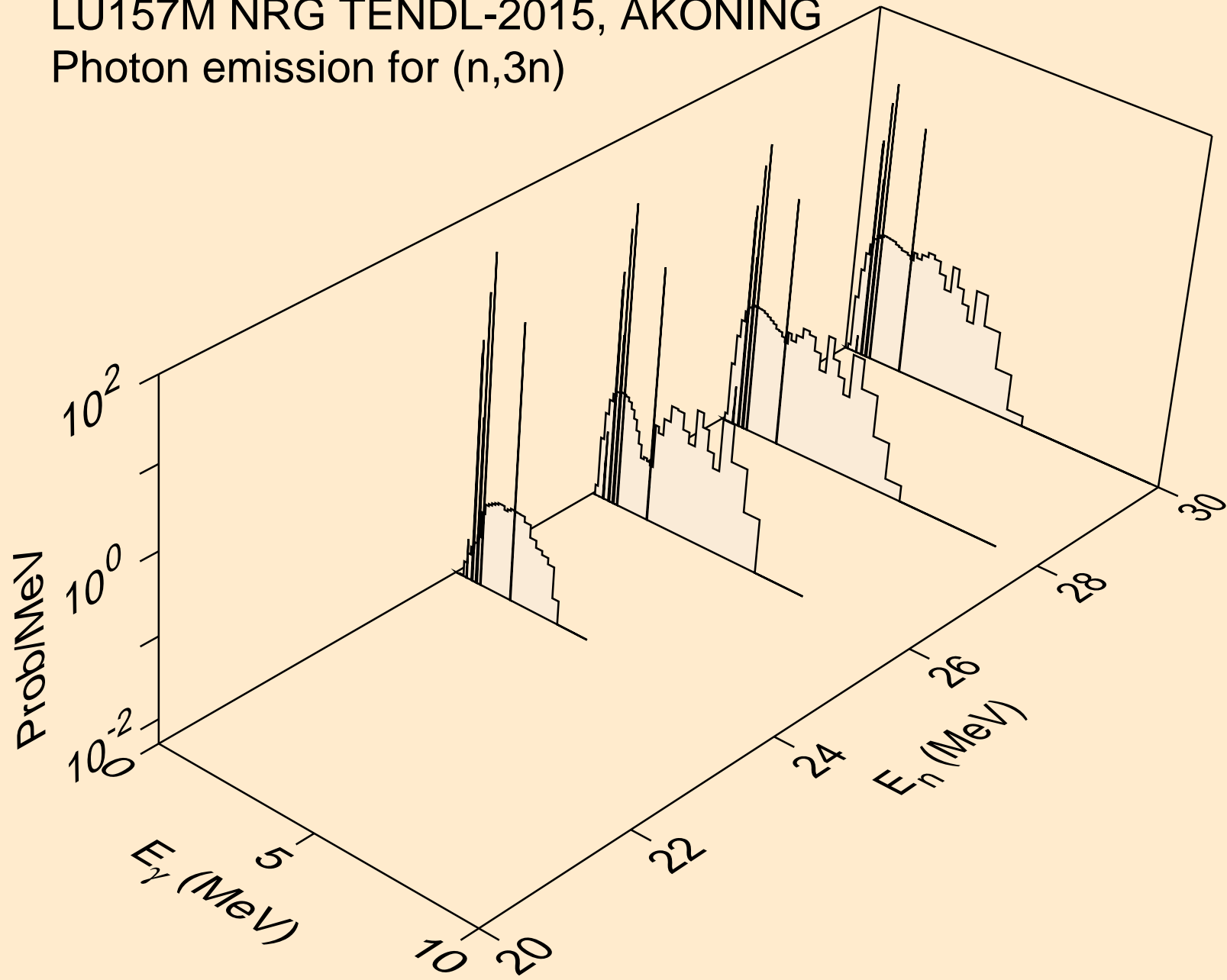
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

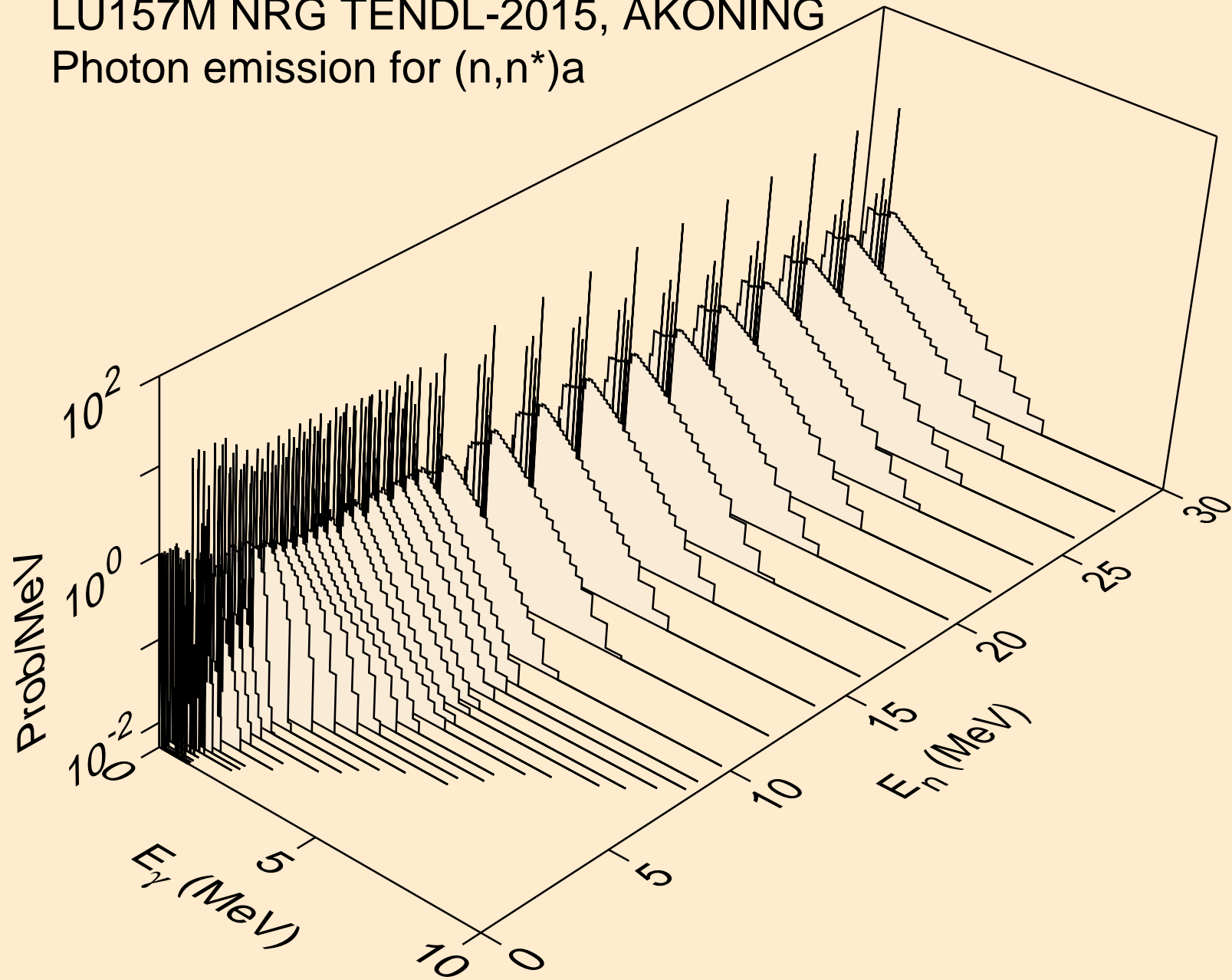


LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

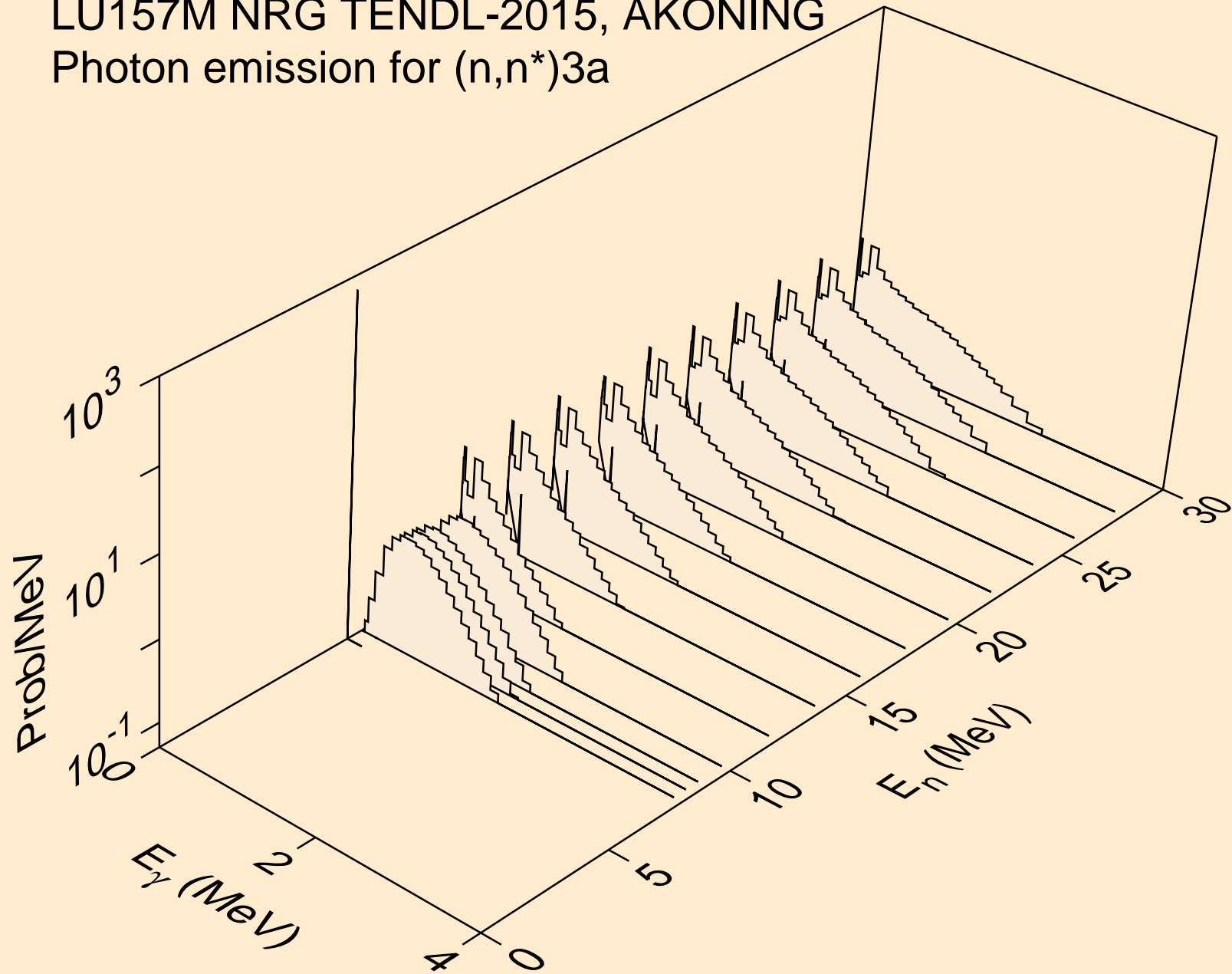




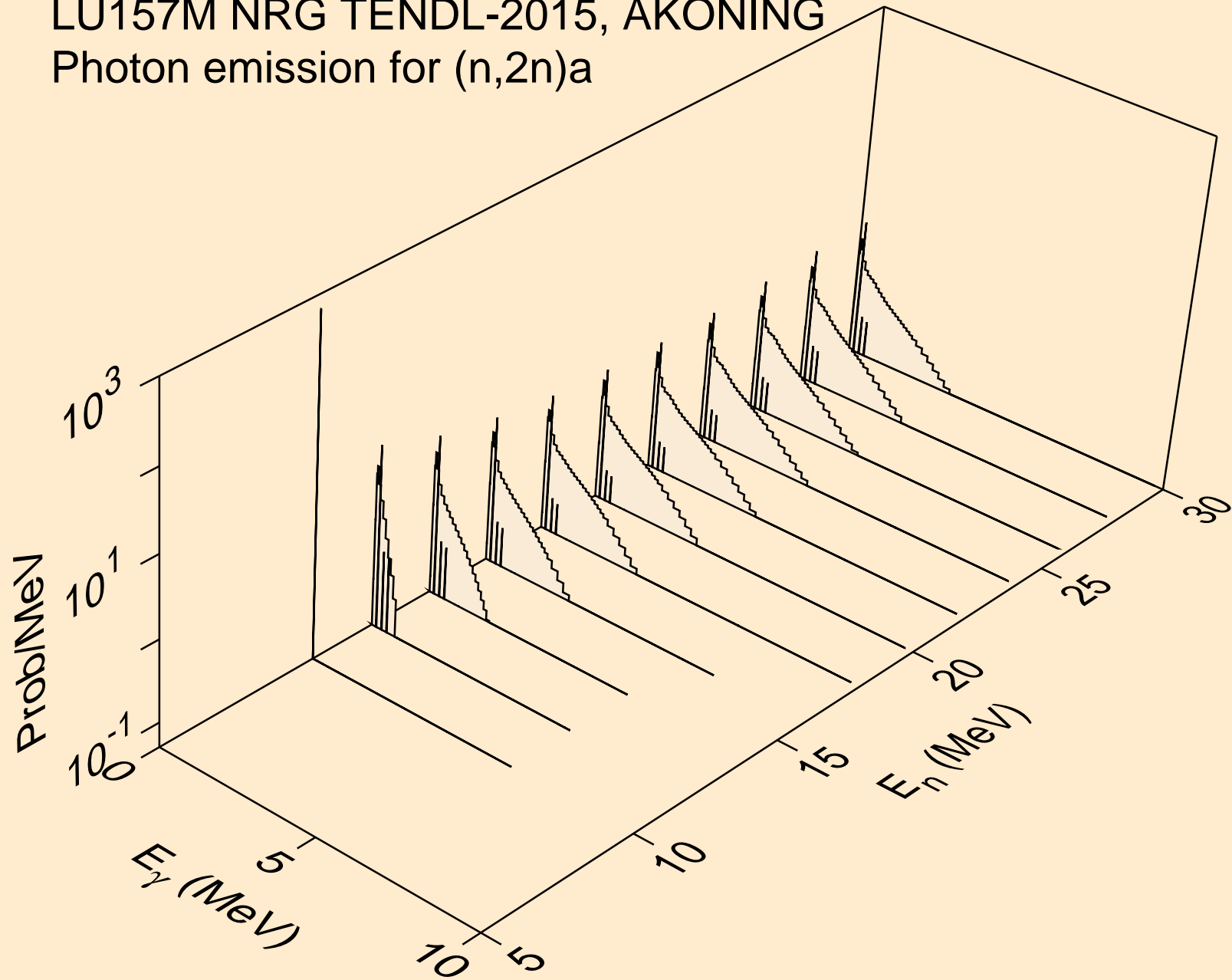
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



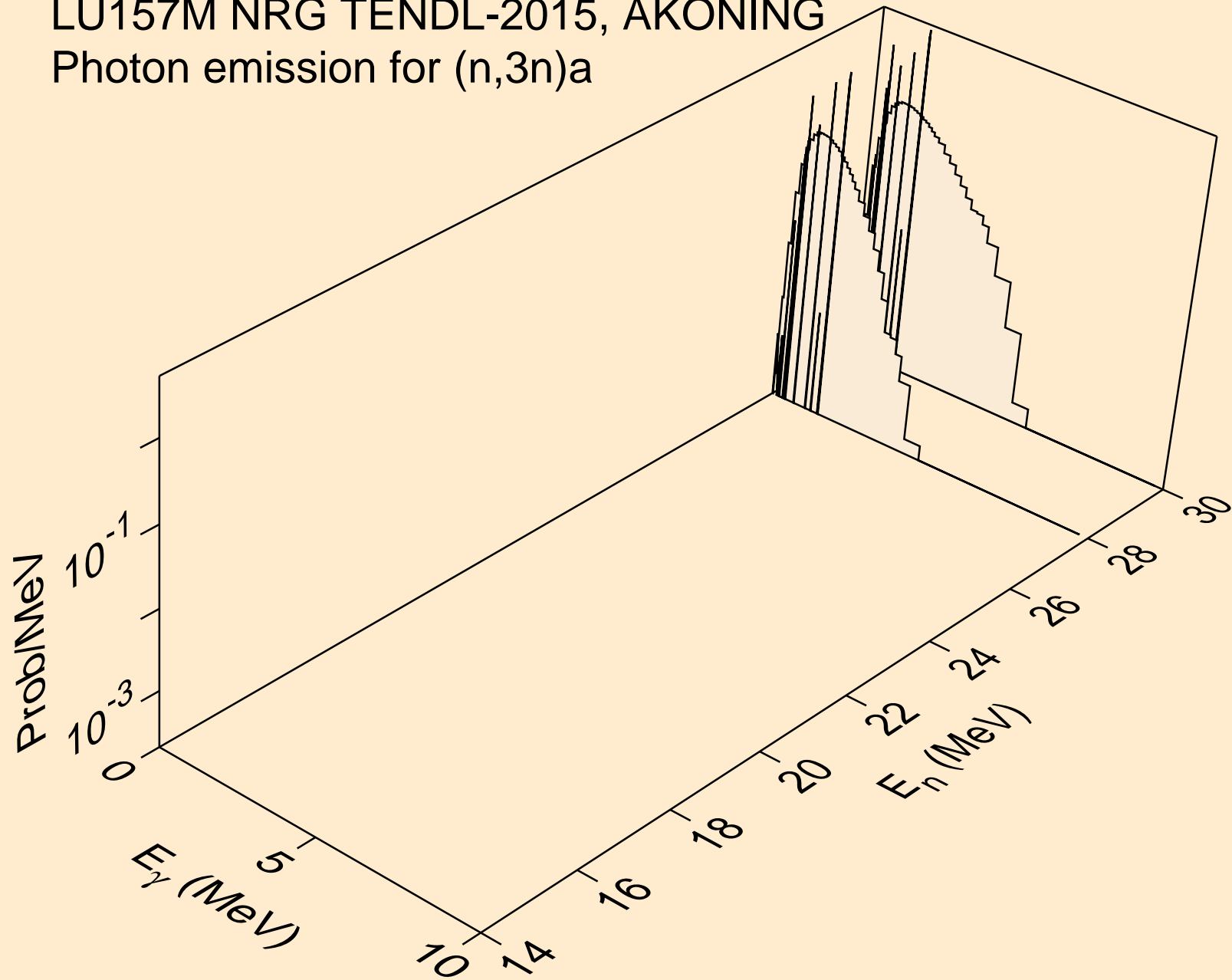
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Photon emission for (n,n\*)3a



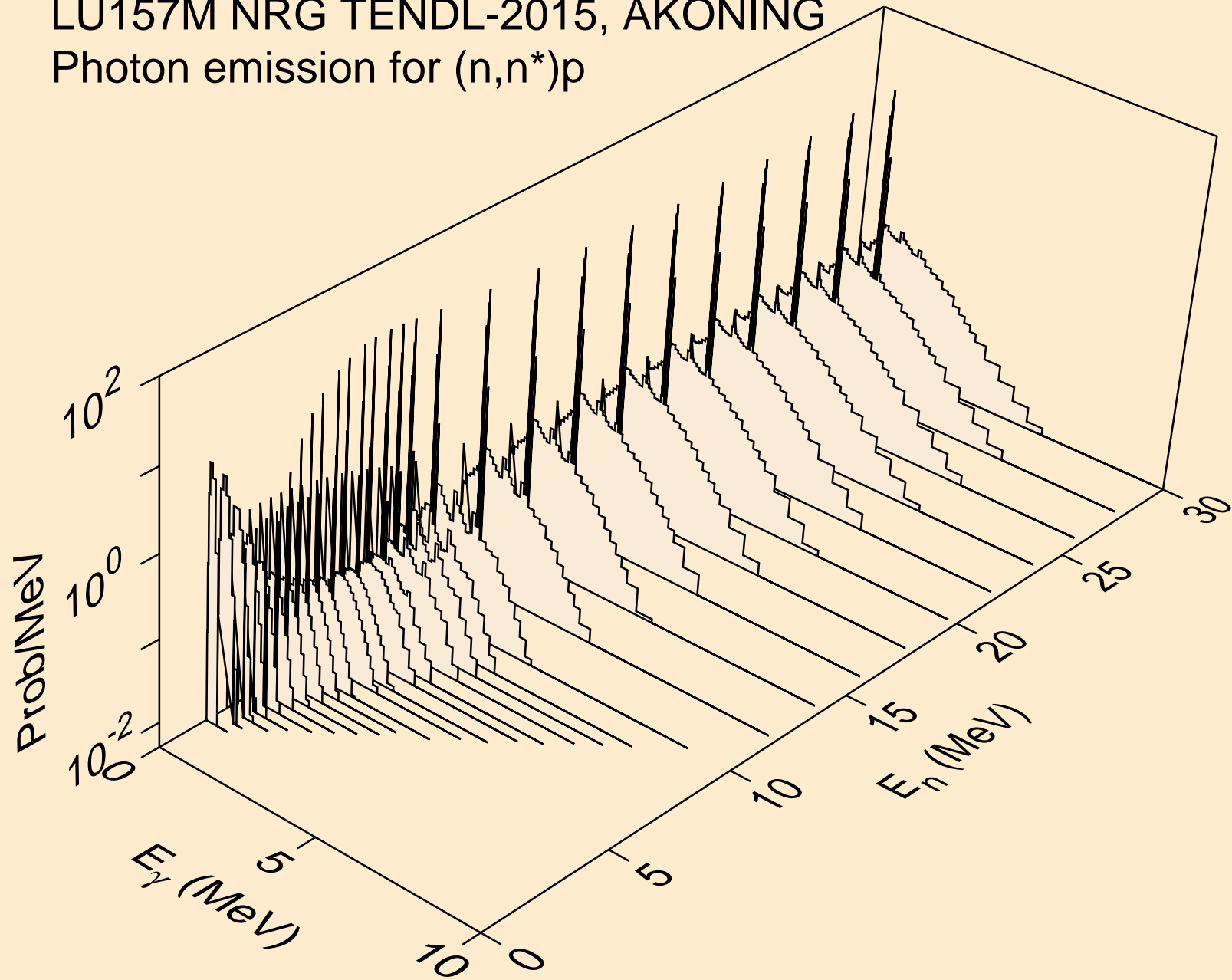
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Photon emission for (n,2n)a



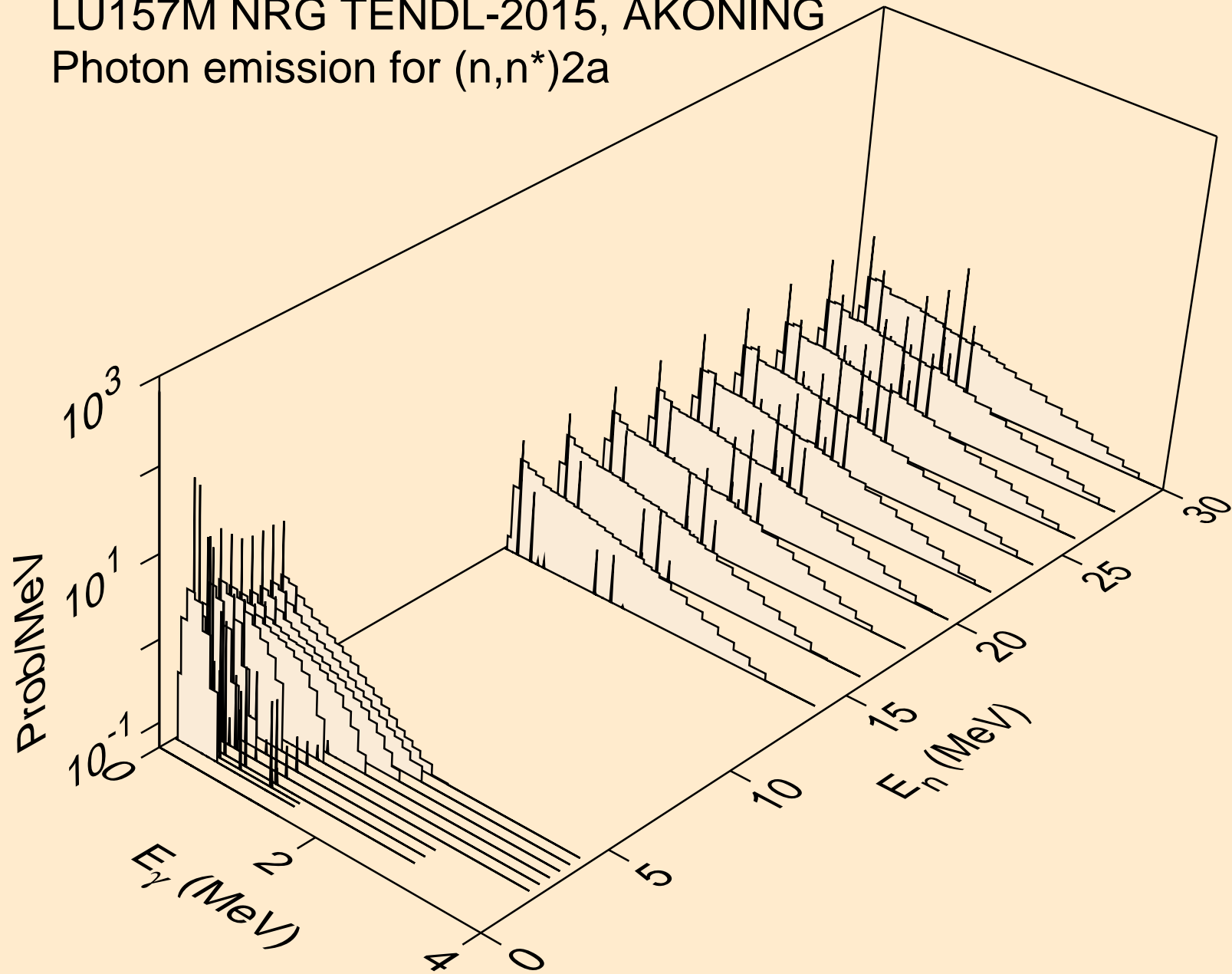
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Photon emission for (n,3n)a



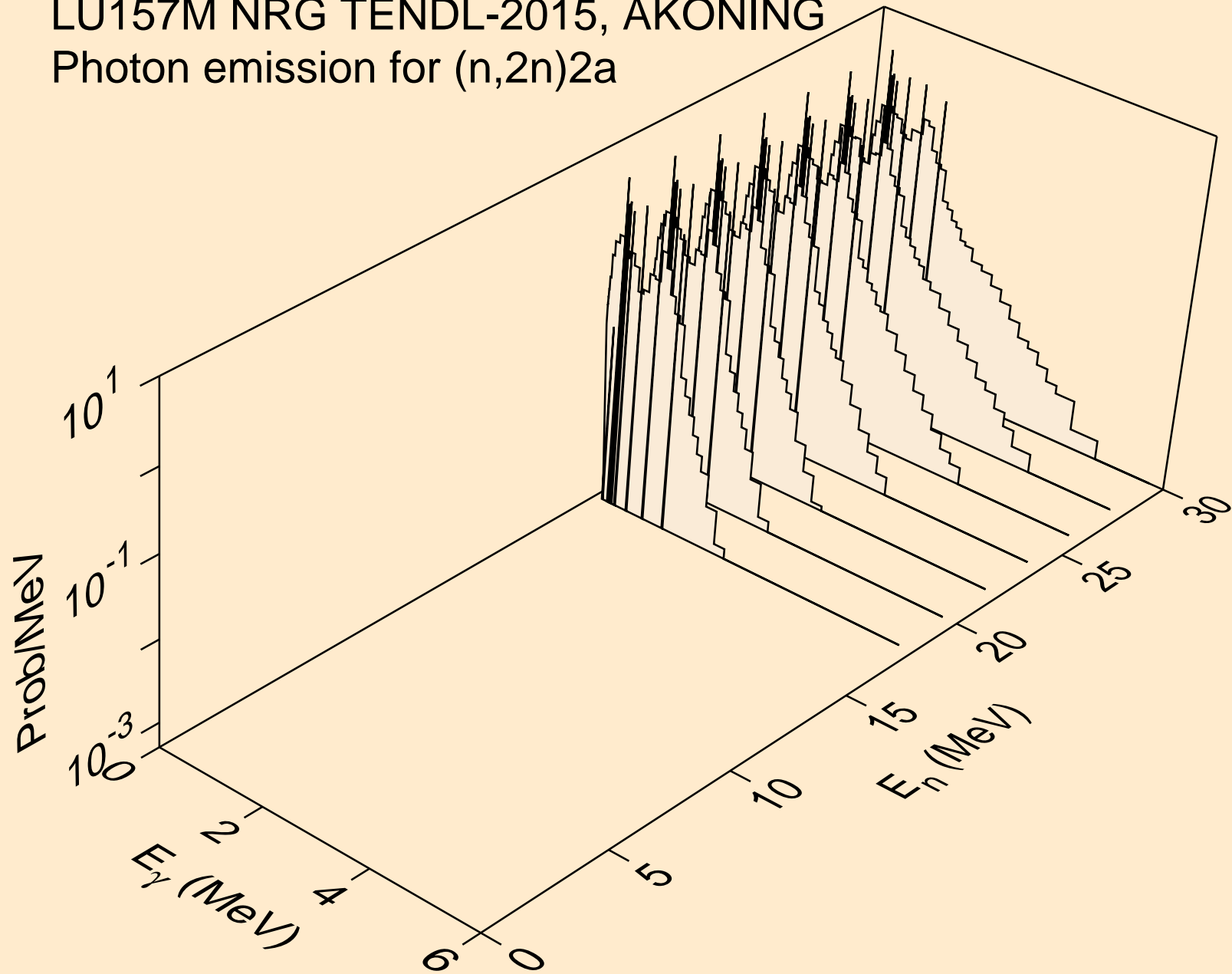
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



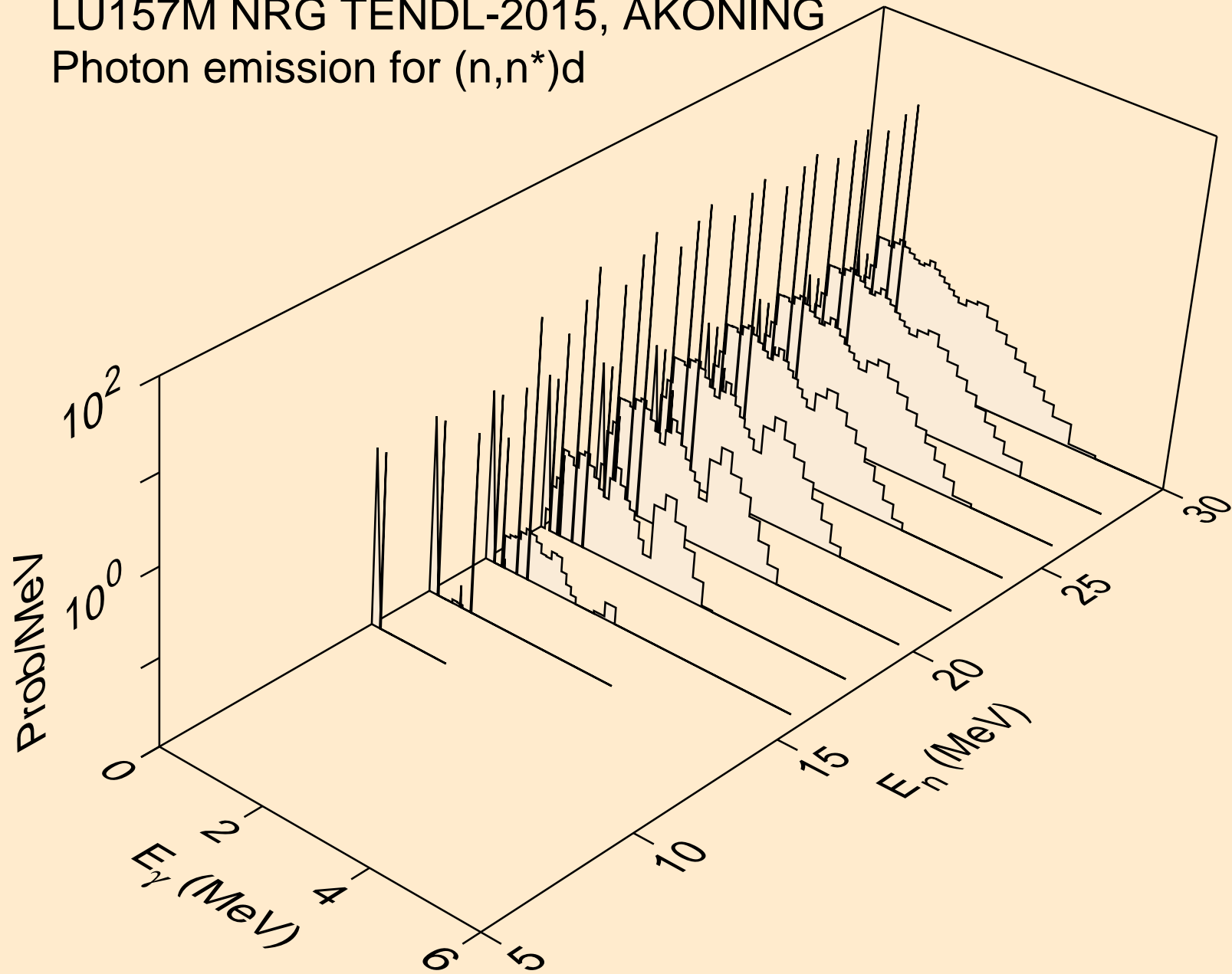
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Photon emission for (n,n\*)2a



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

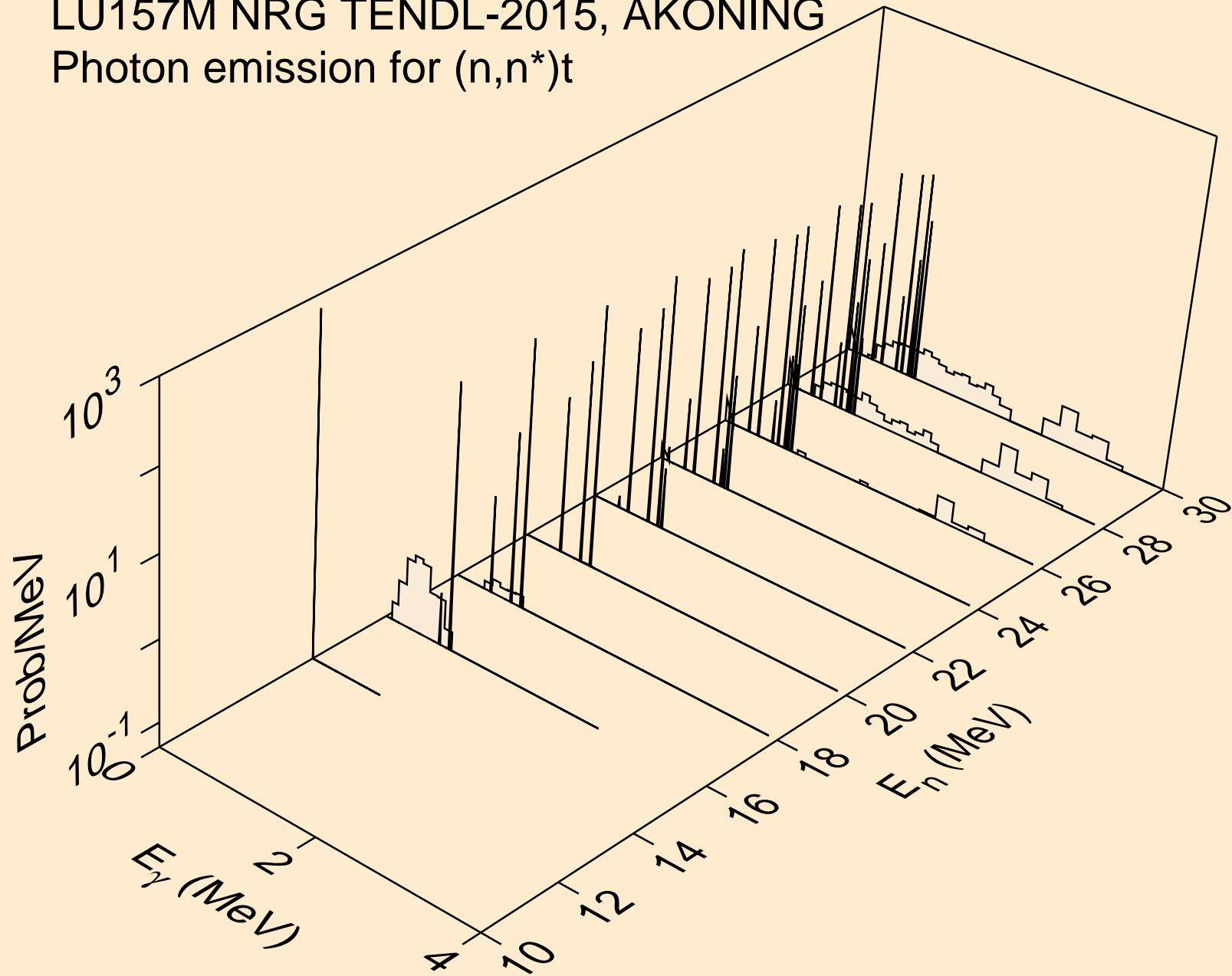


LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

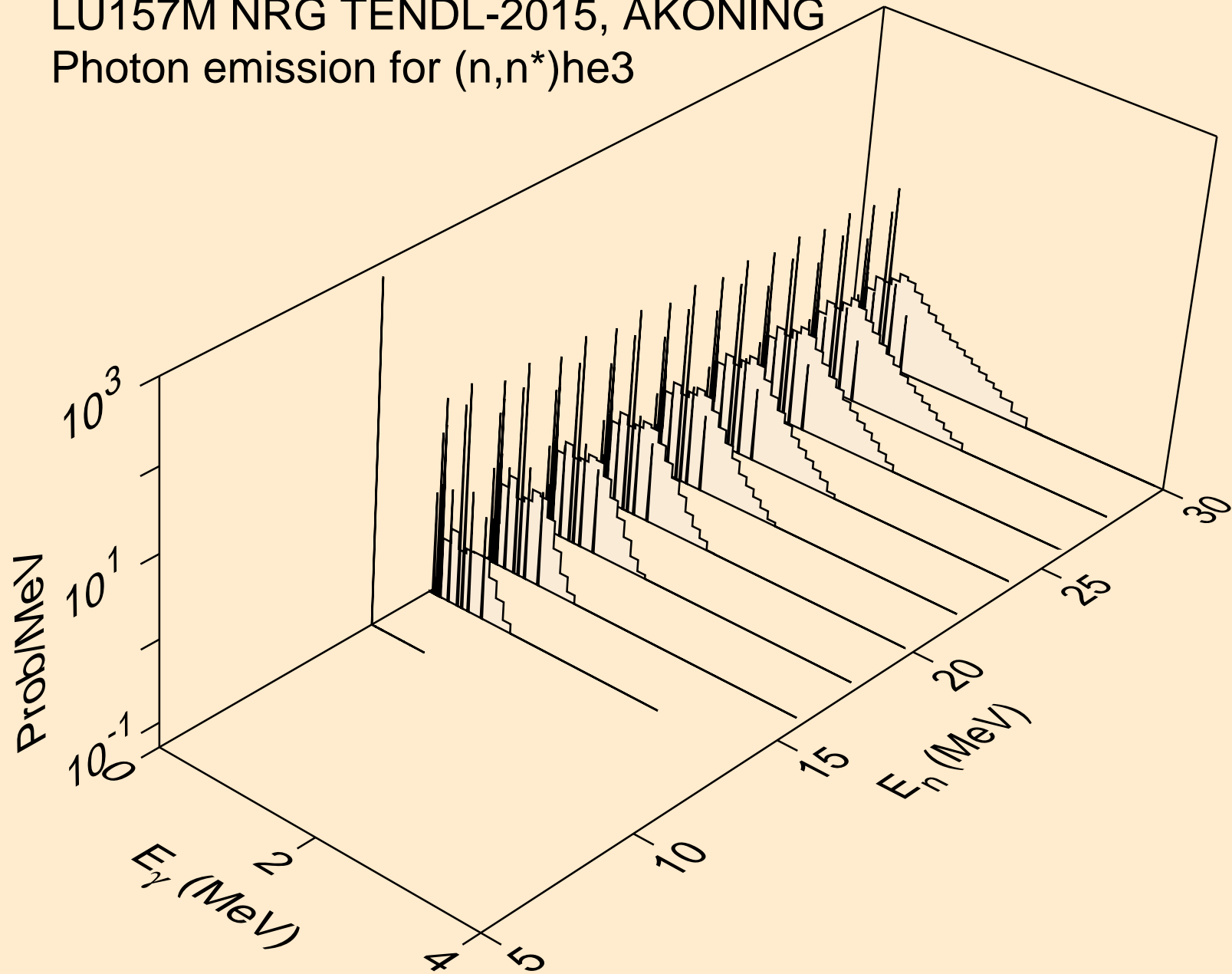




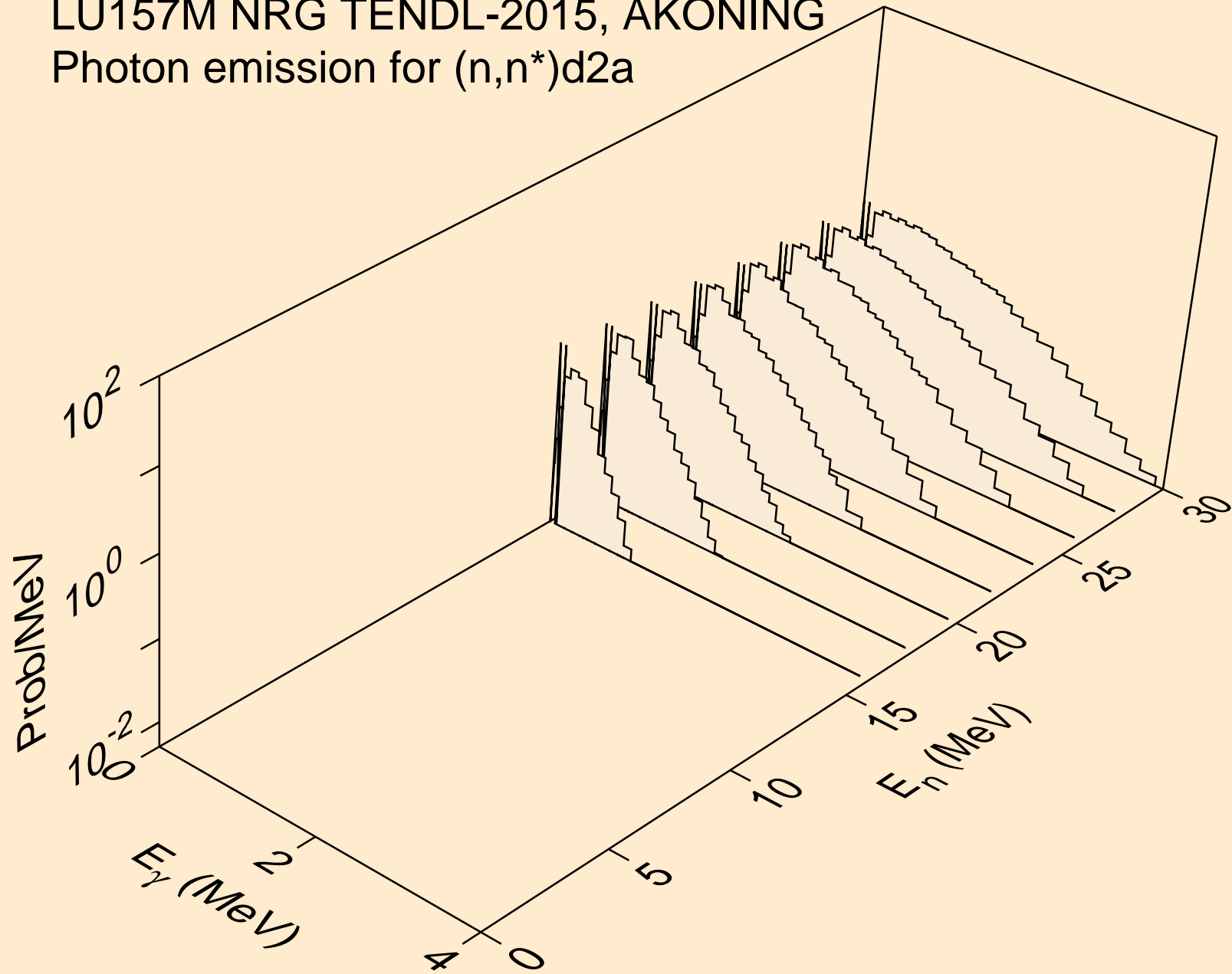
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Photon emission for (n,n\*)t



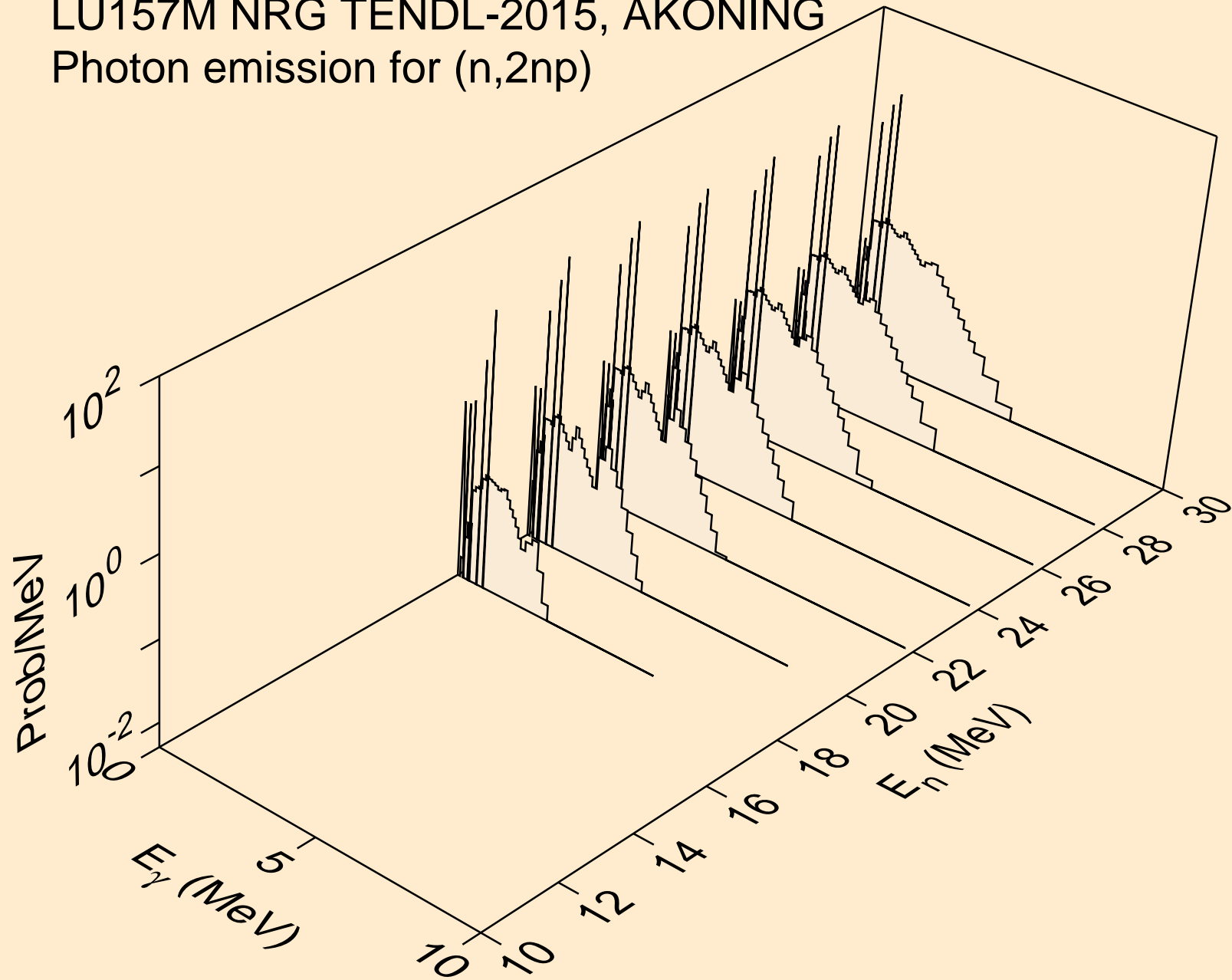
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Photon emission for (n,n\*)he3



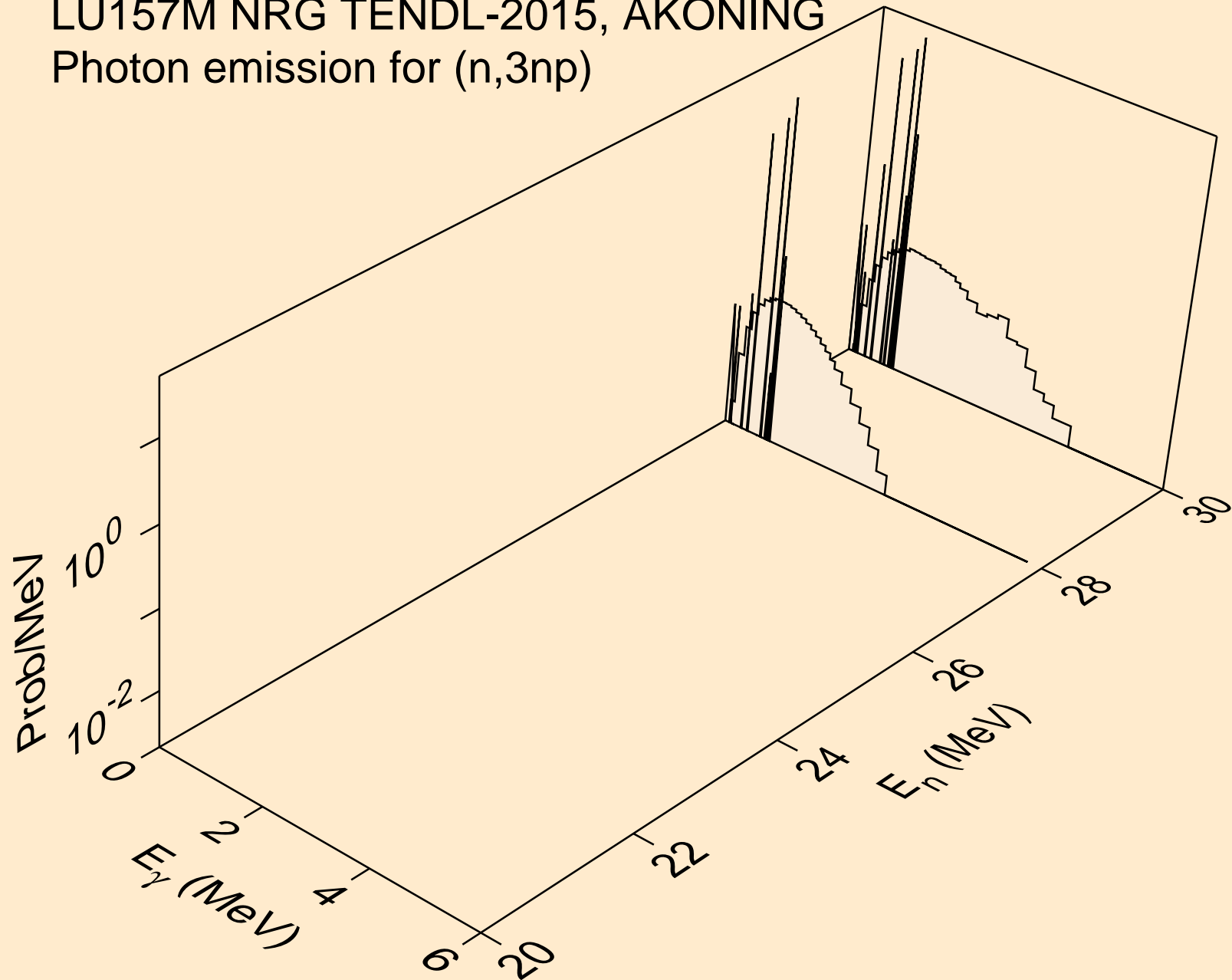
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Photon emission for (n,n\*)d2a



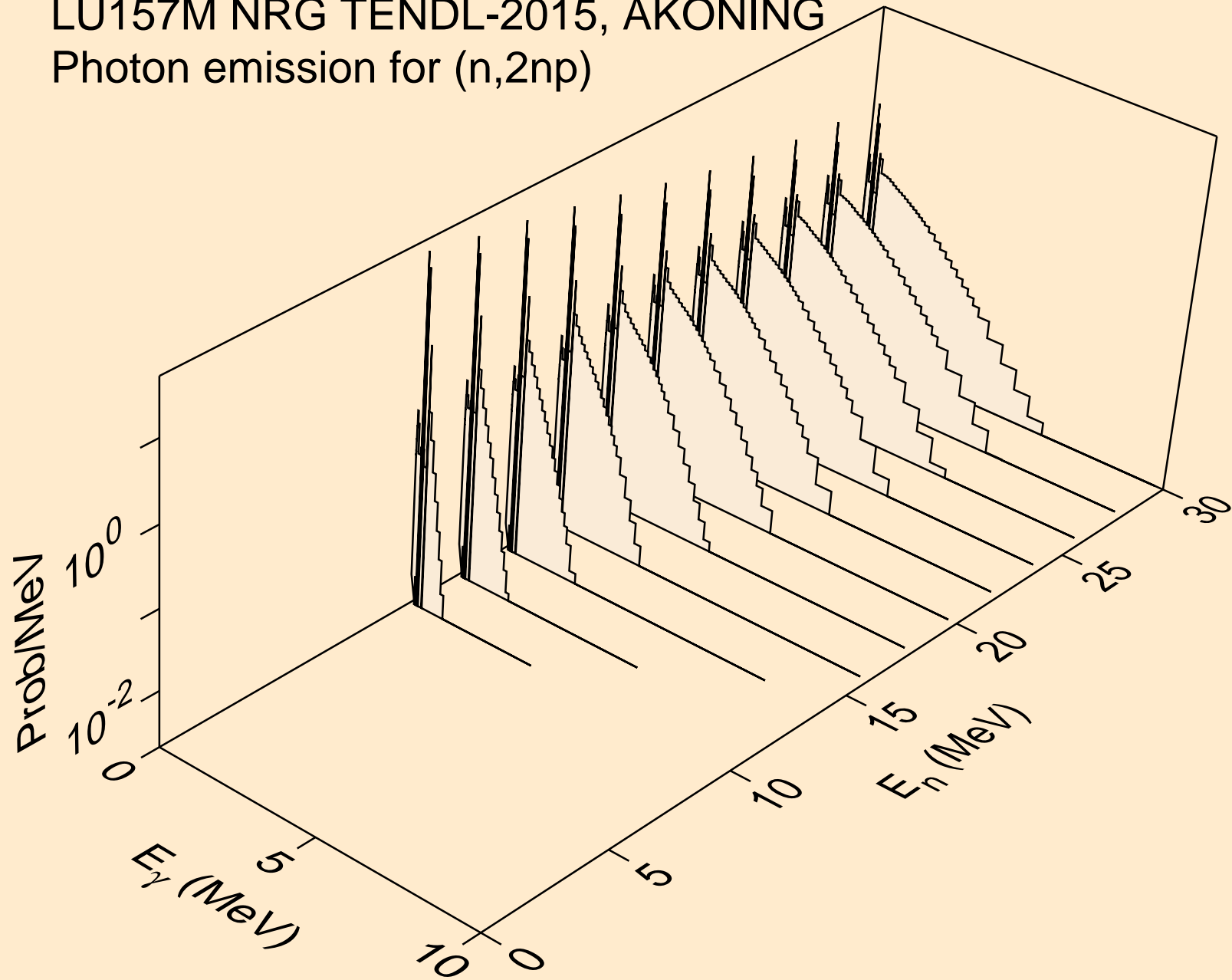
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Photon emission for (n,2np)



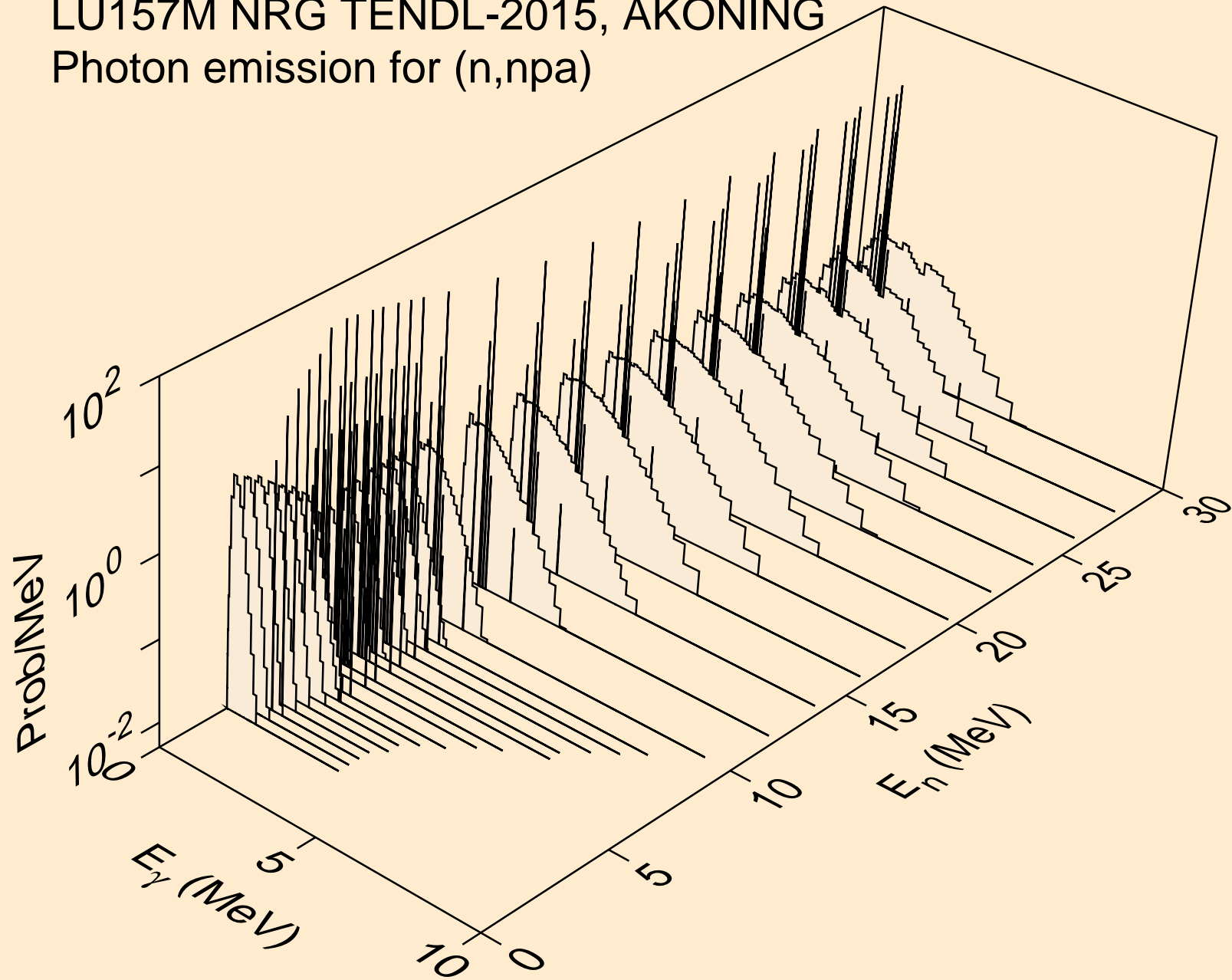
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Photon emission for (n,3np)



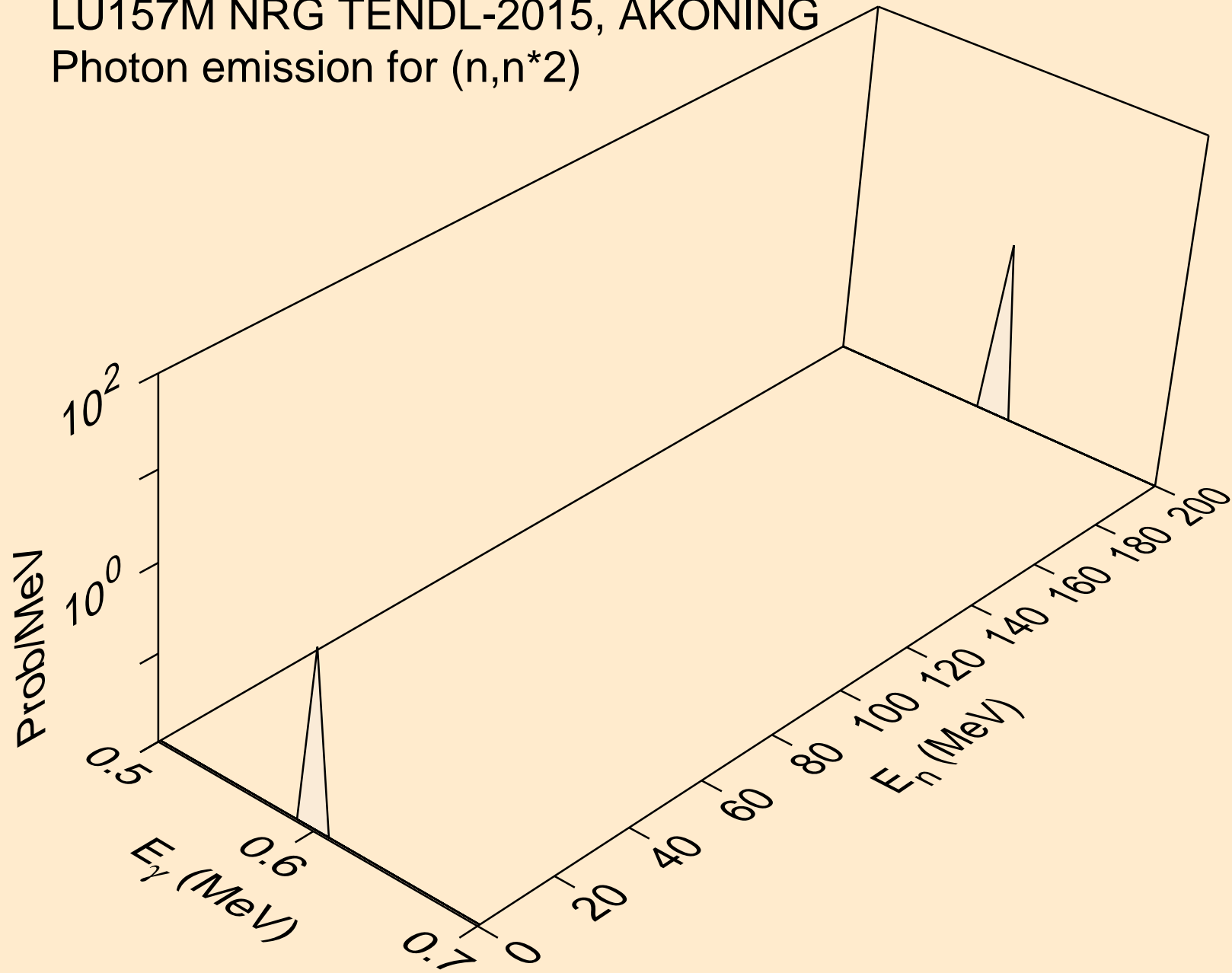
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Photon emission for (n,2np)



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

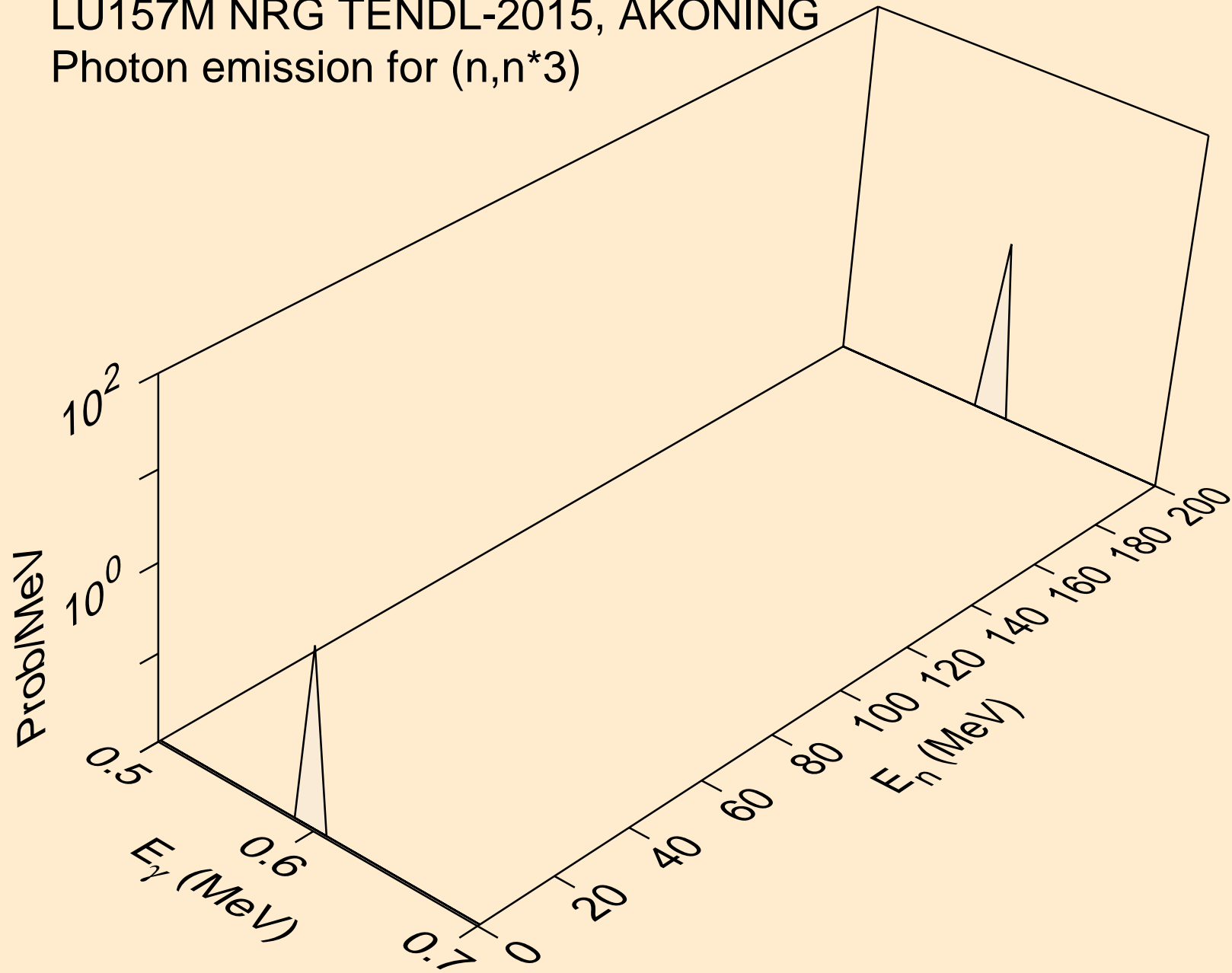


LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*2)

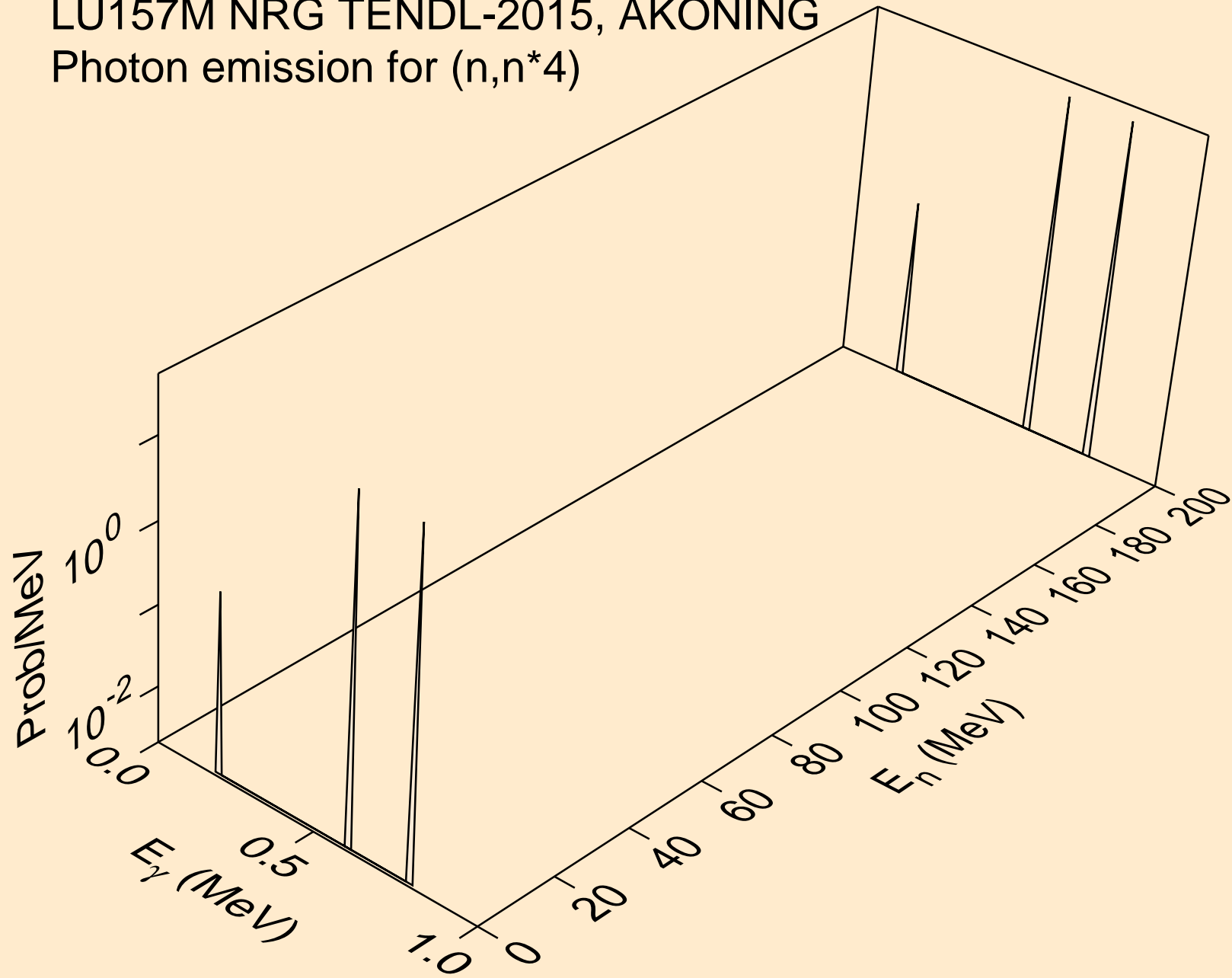




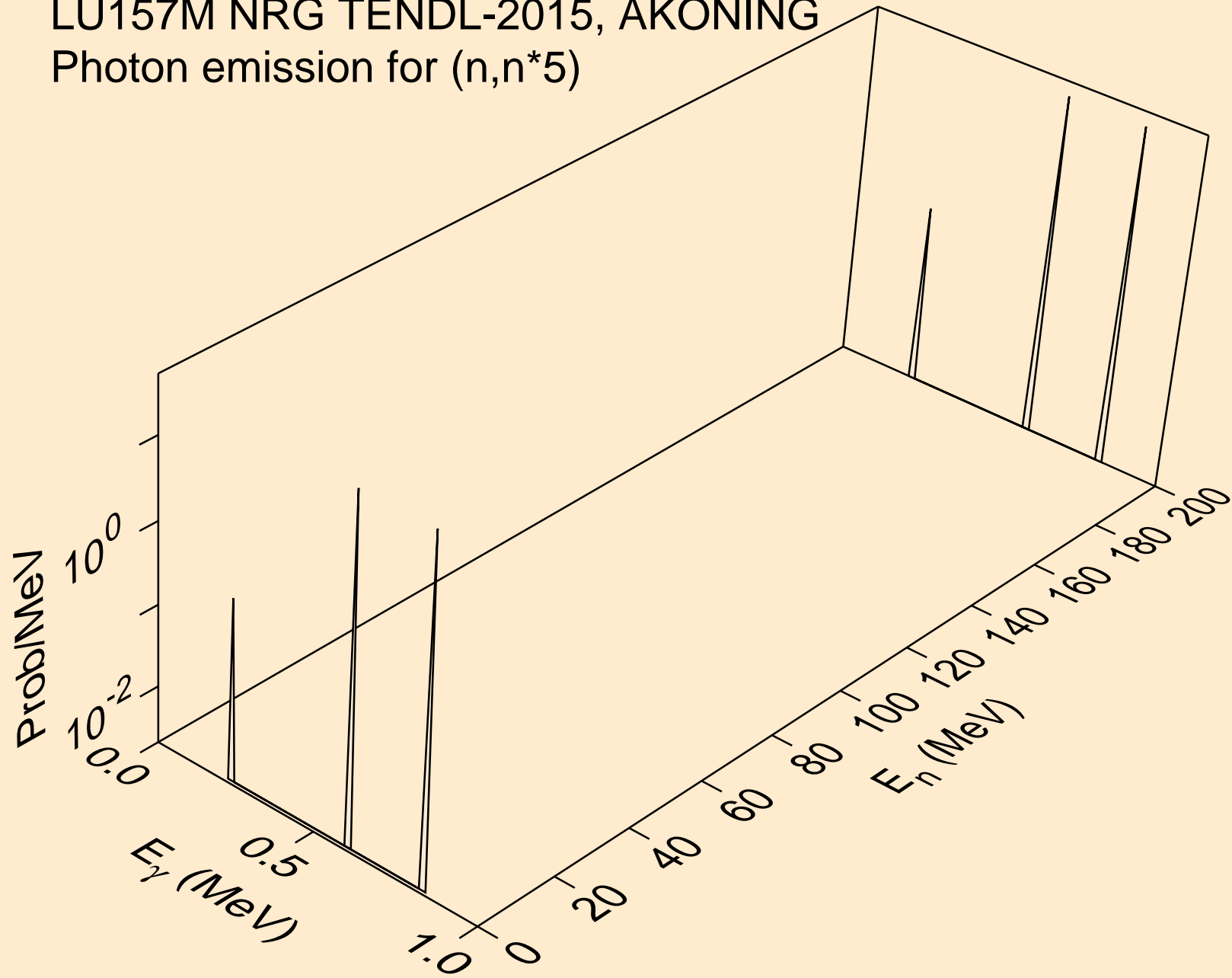
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Photon emission for (n,n\*3)



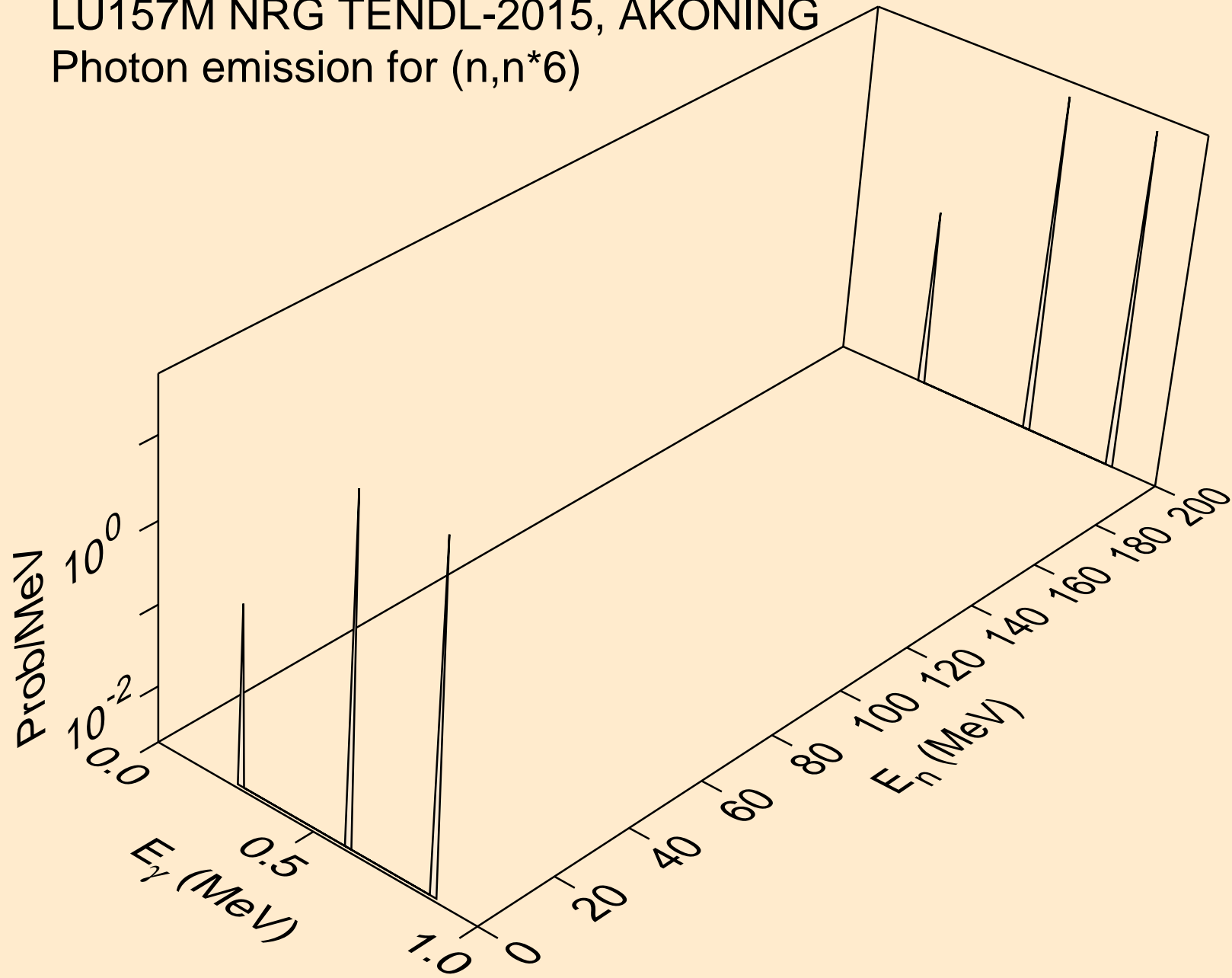
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Photon emission for (n,n\*4)



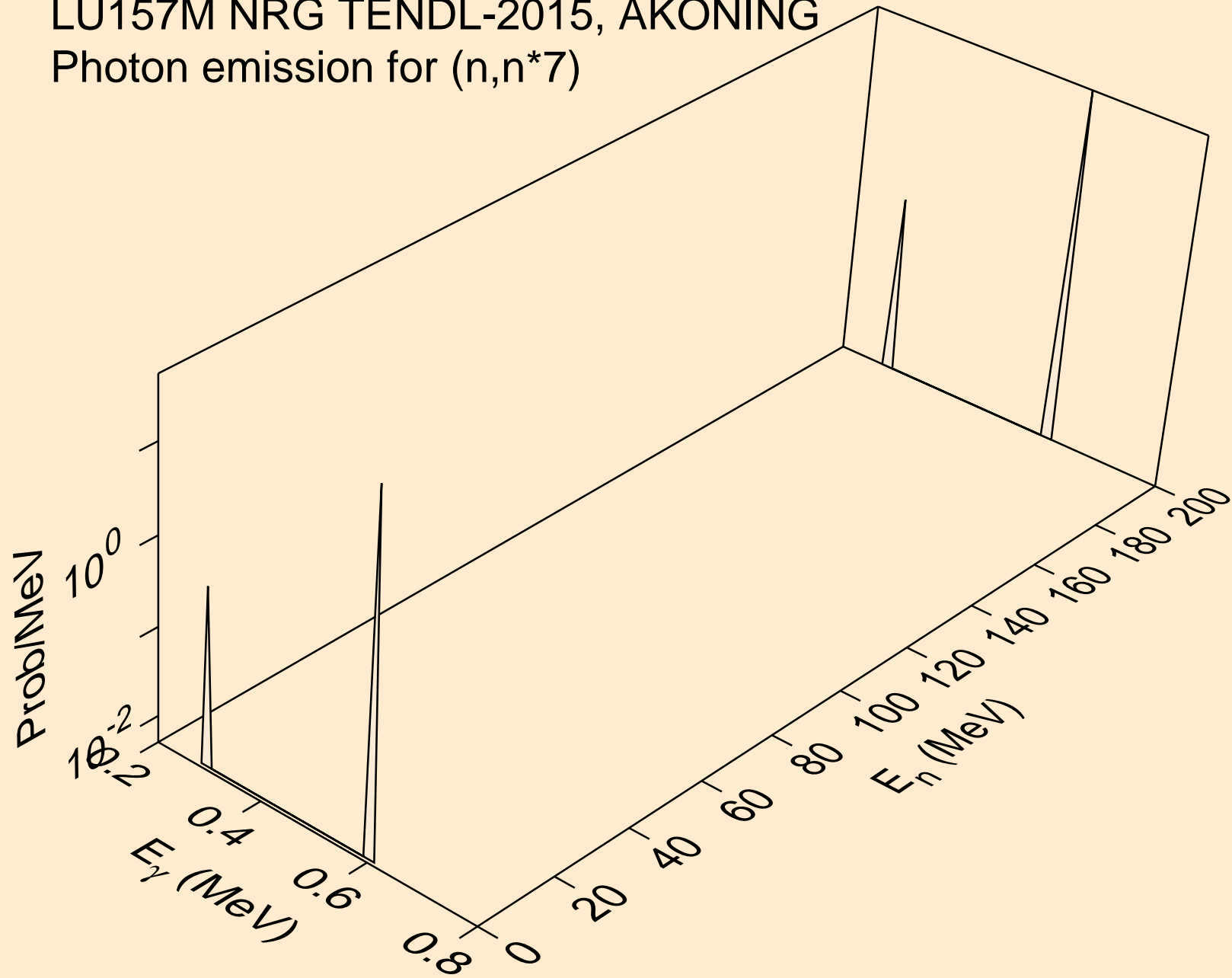
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*5)



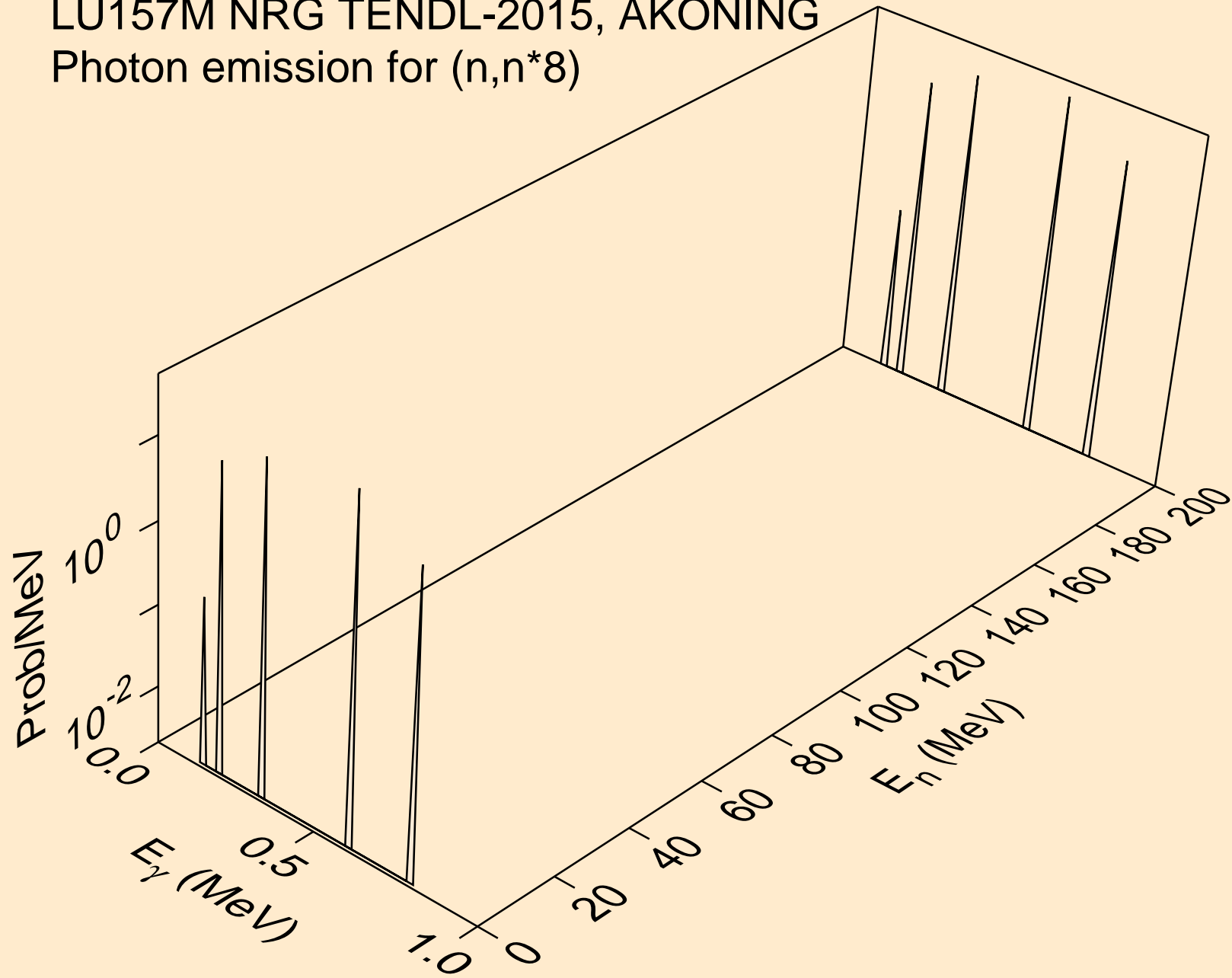
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Photon emission for (n,n\*6)



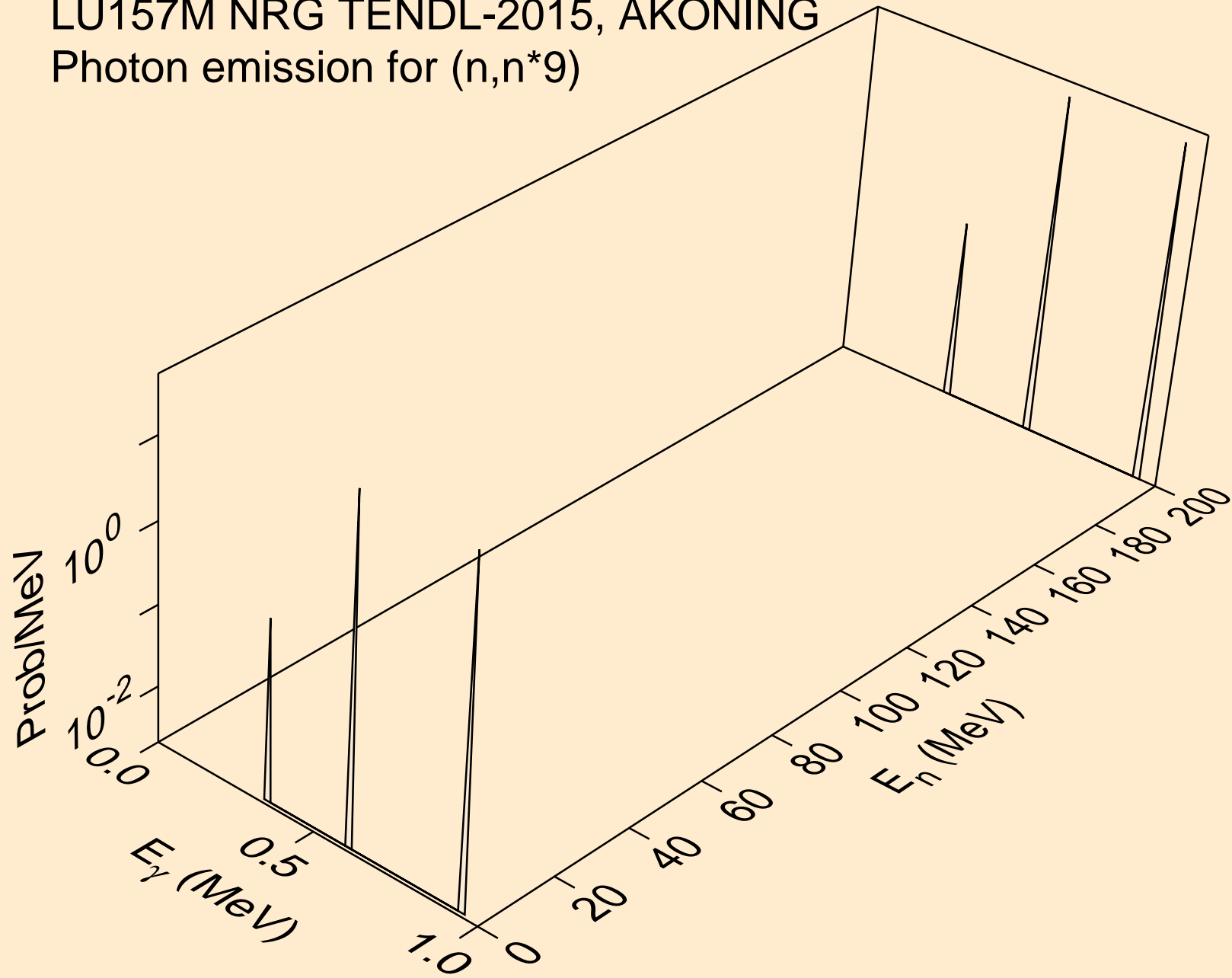
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*7)



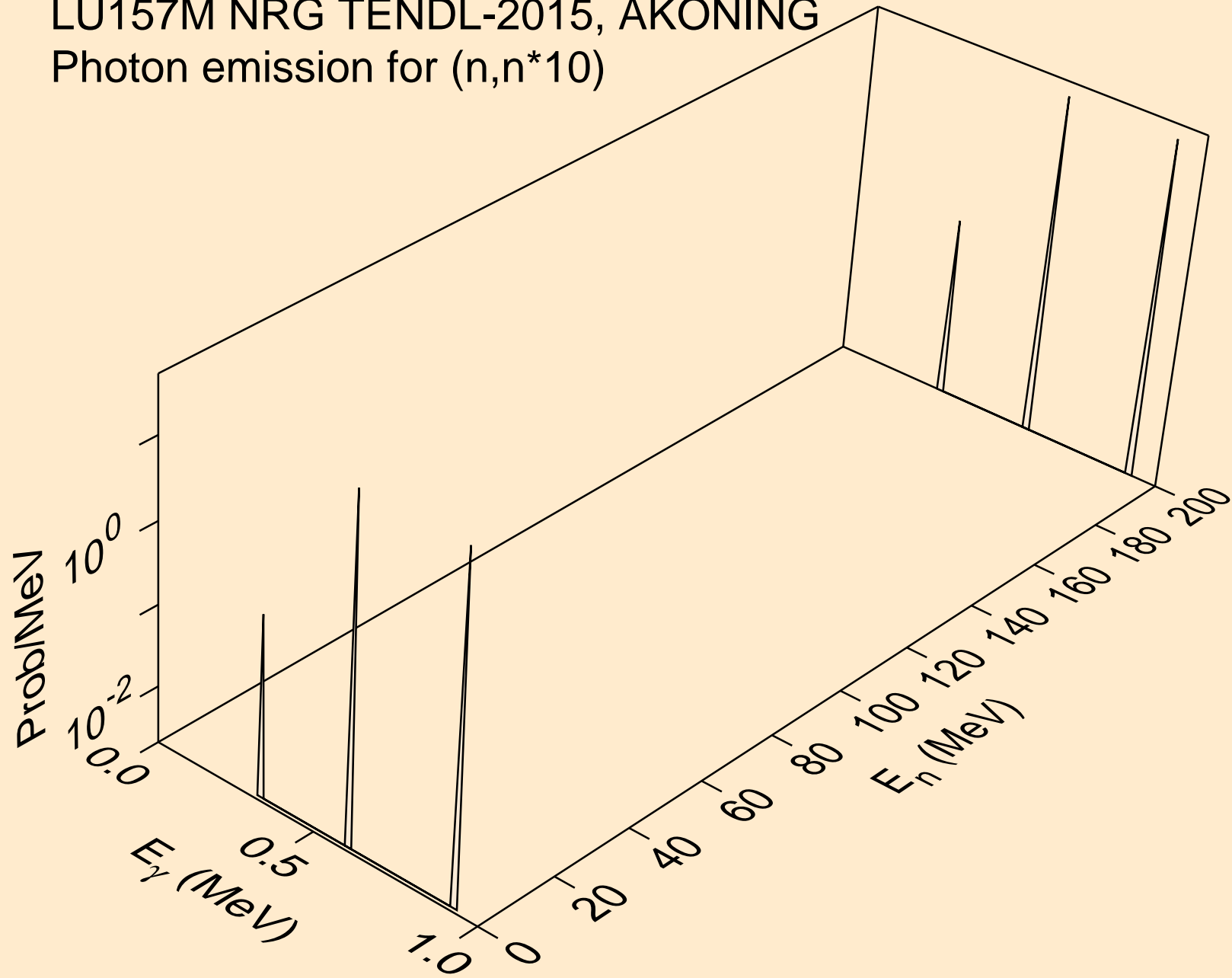
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*8)



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*9)

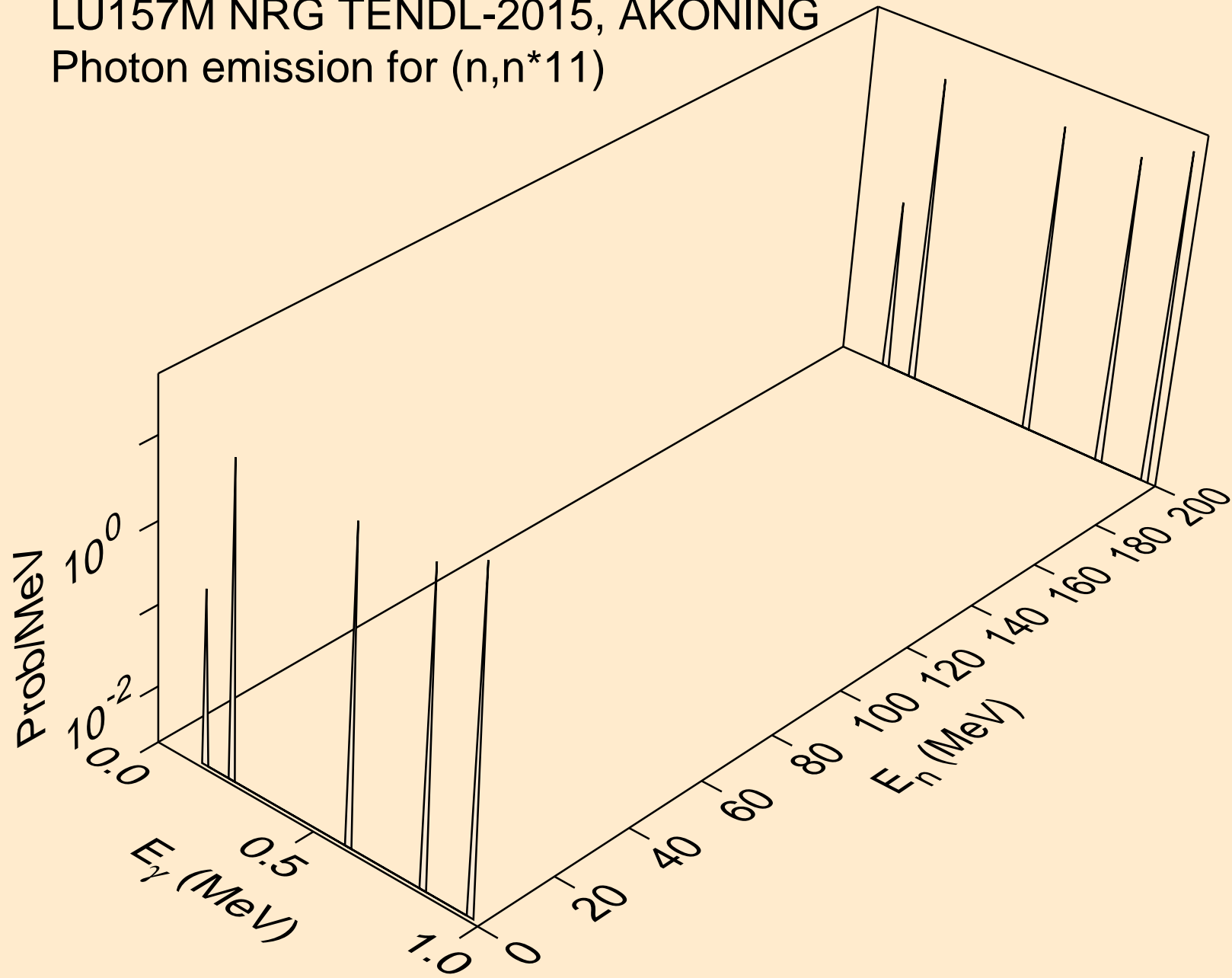


LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*10)

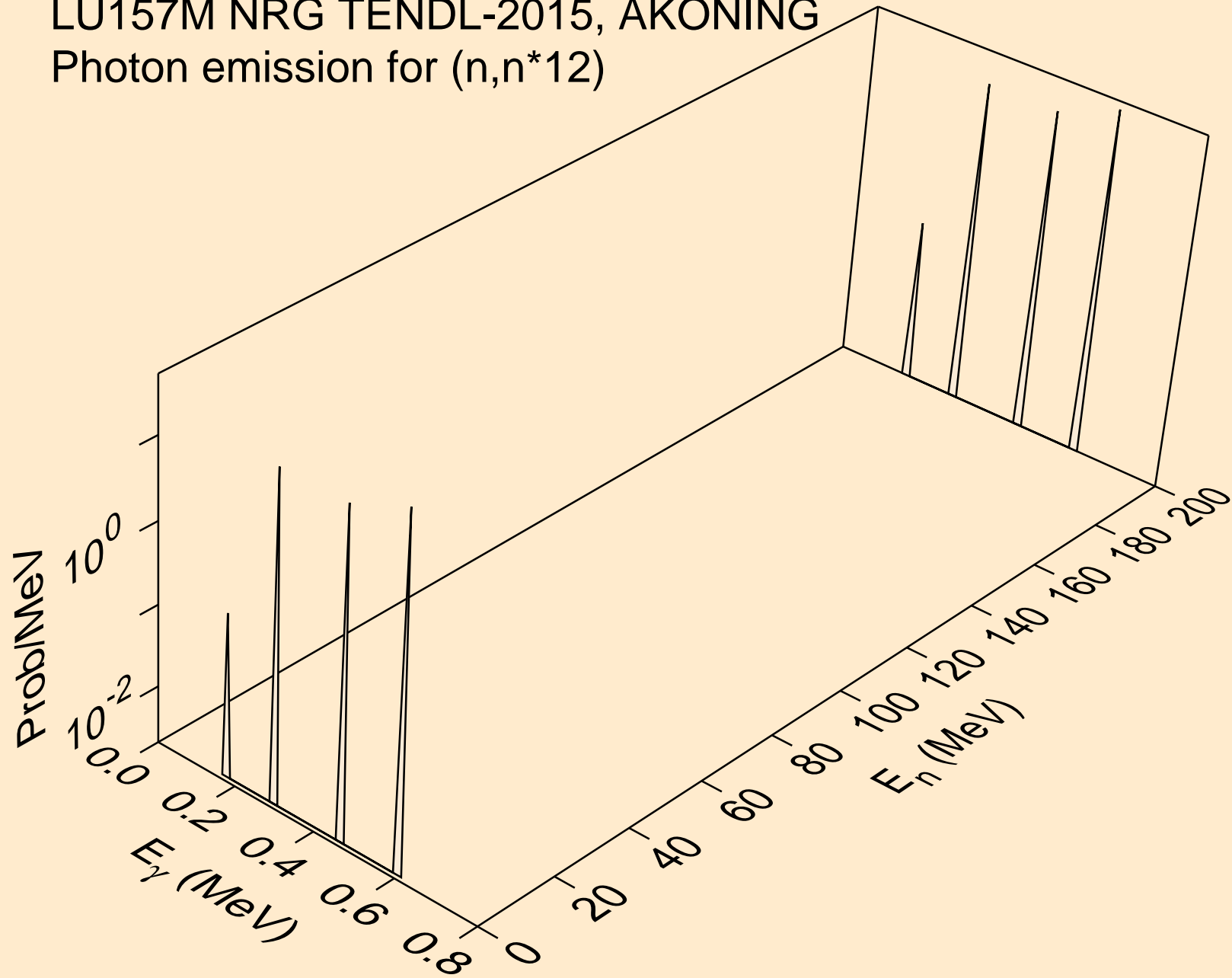




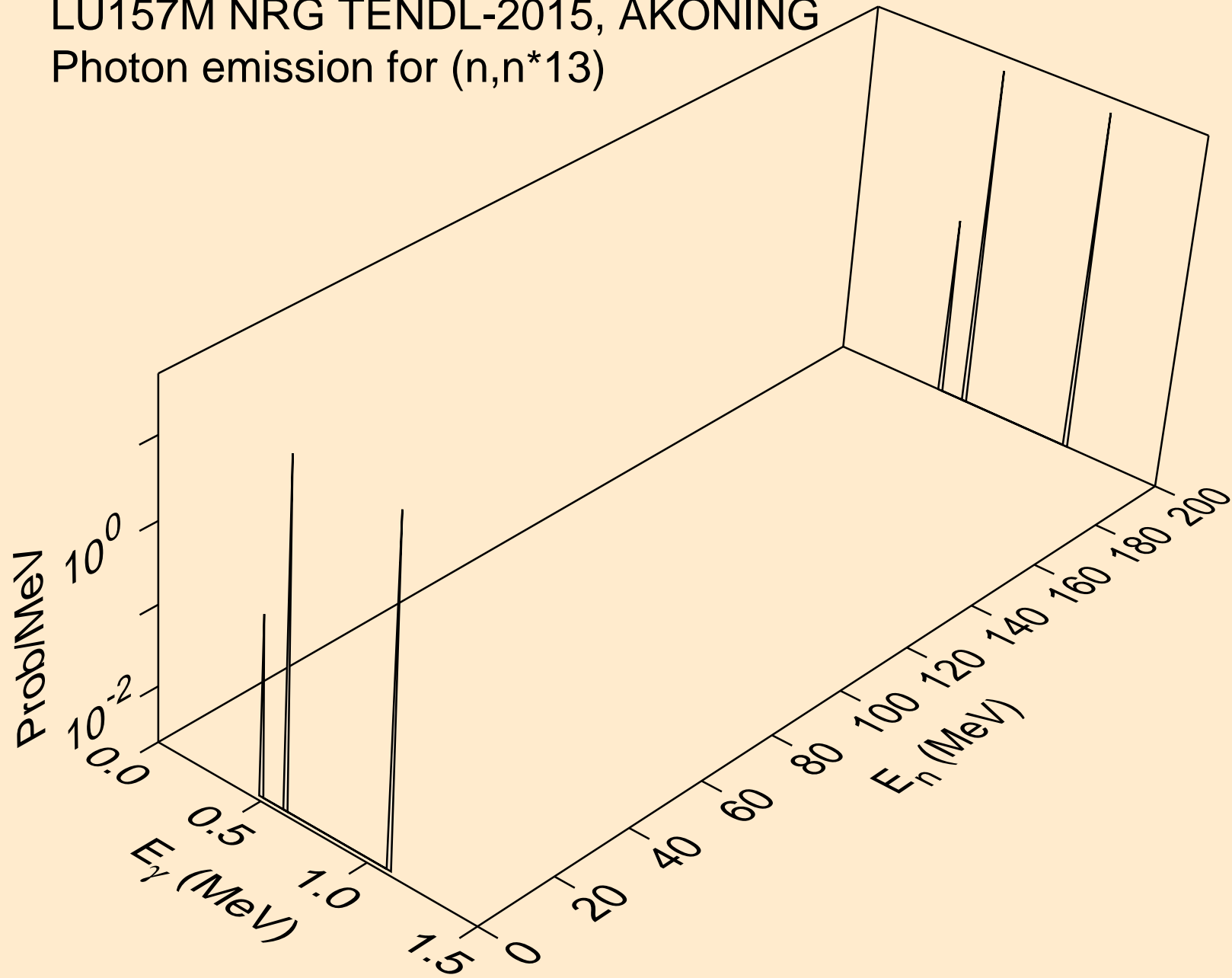
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Photon emission for (n,n\*11)



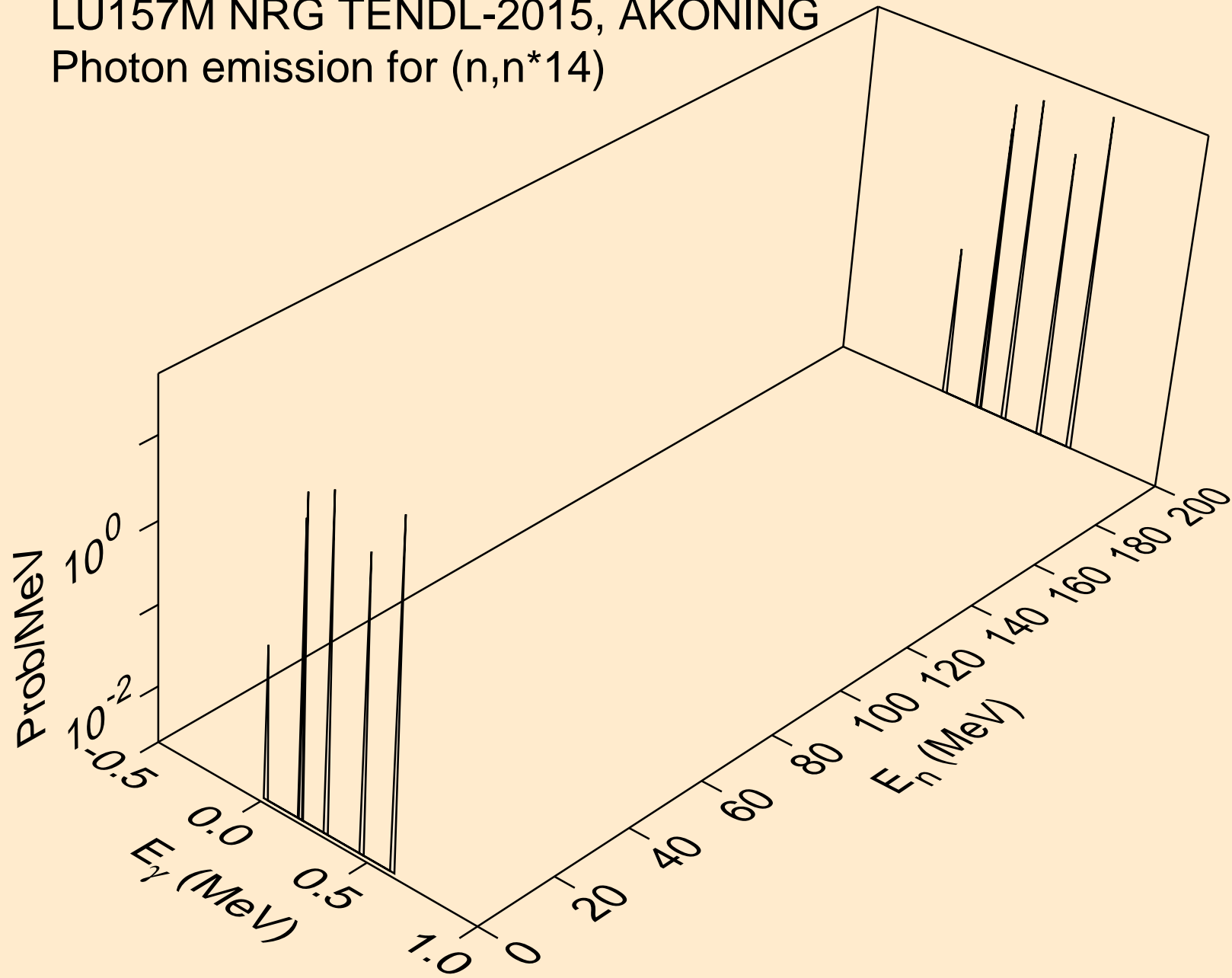
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Photon emission for (n,n\*12)



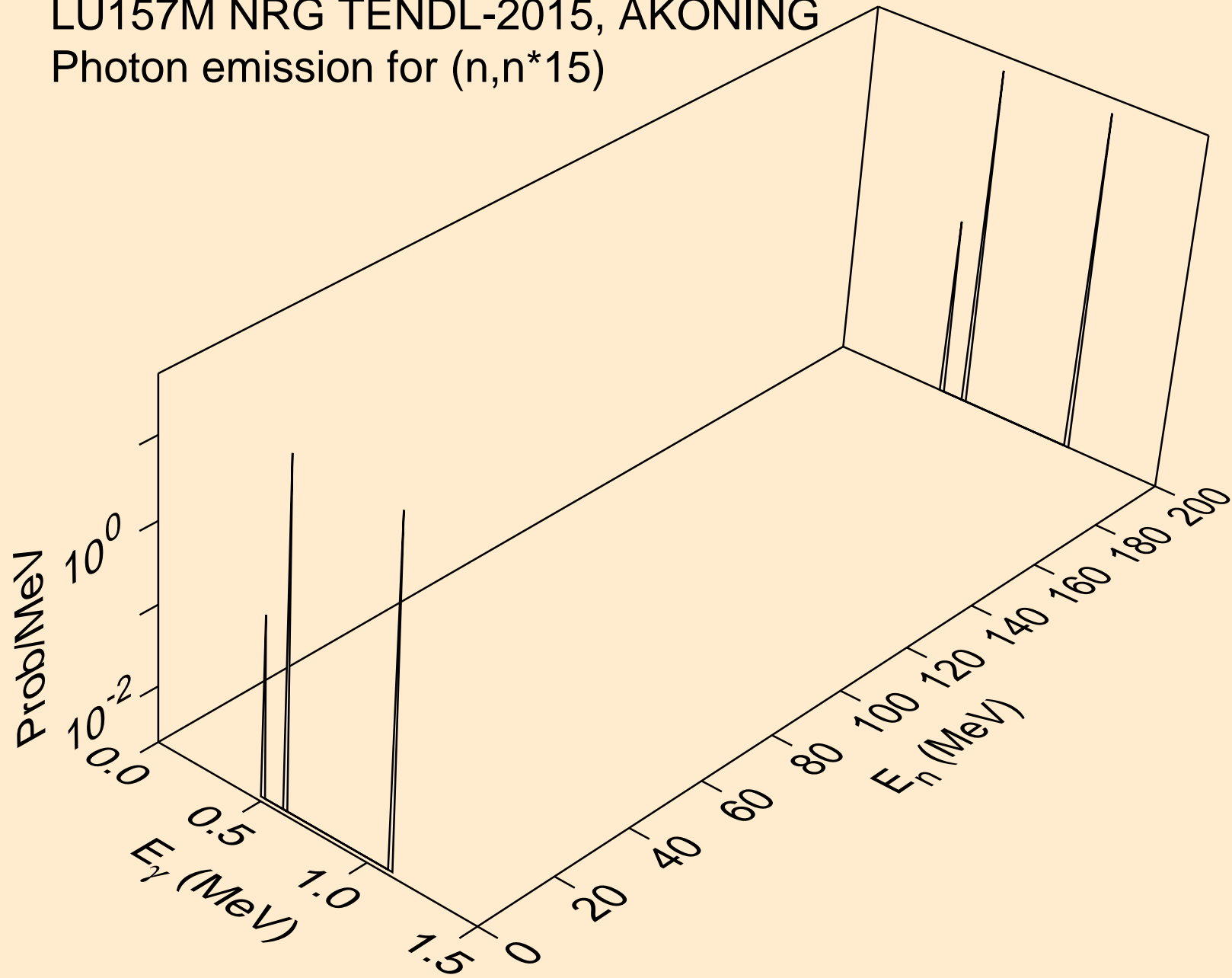
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Photon emission for (n,n\*13)



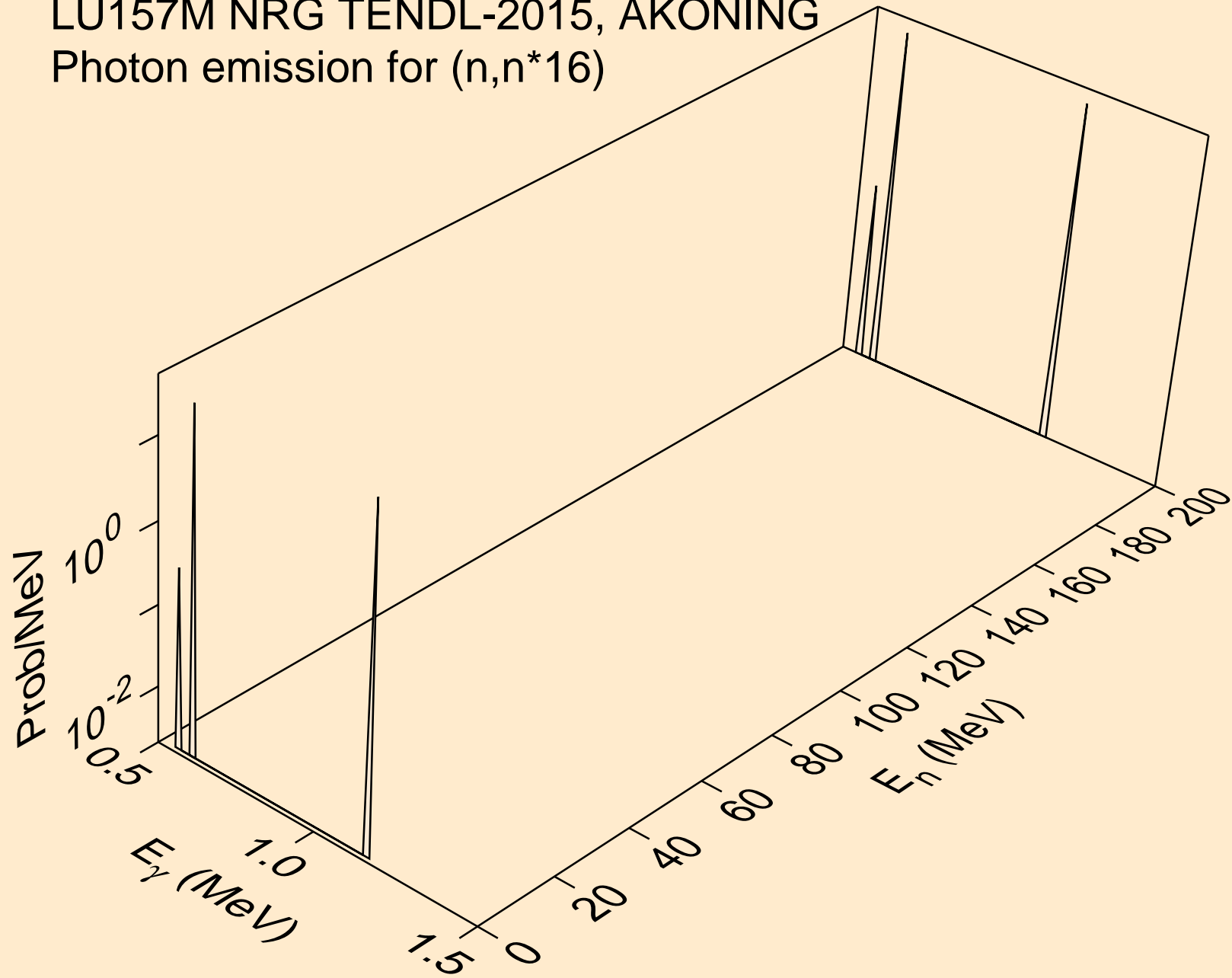
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Photon emission for (n,n\*14)



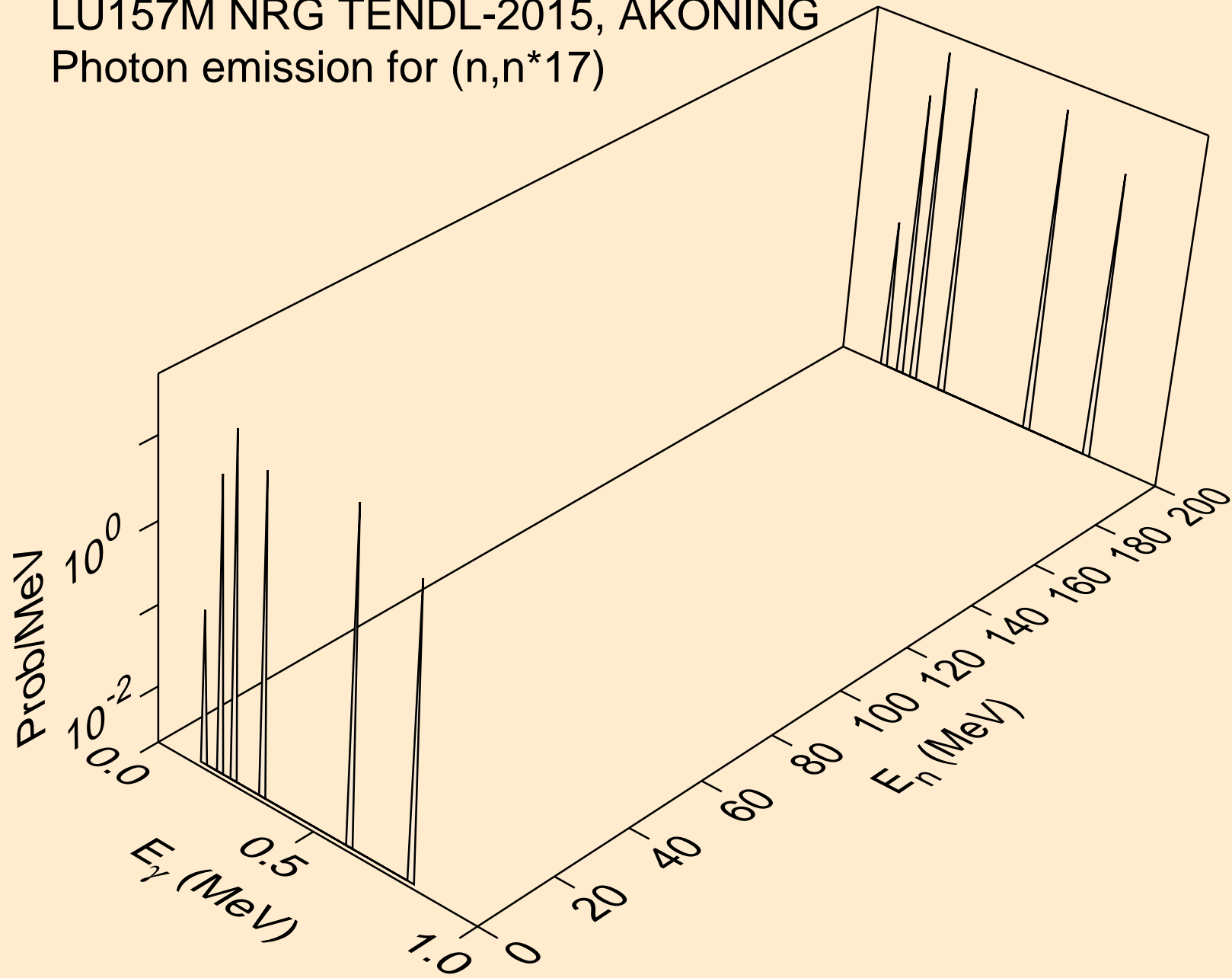
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Photon emission for (n,n\*15)



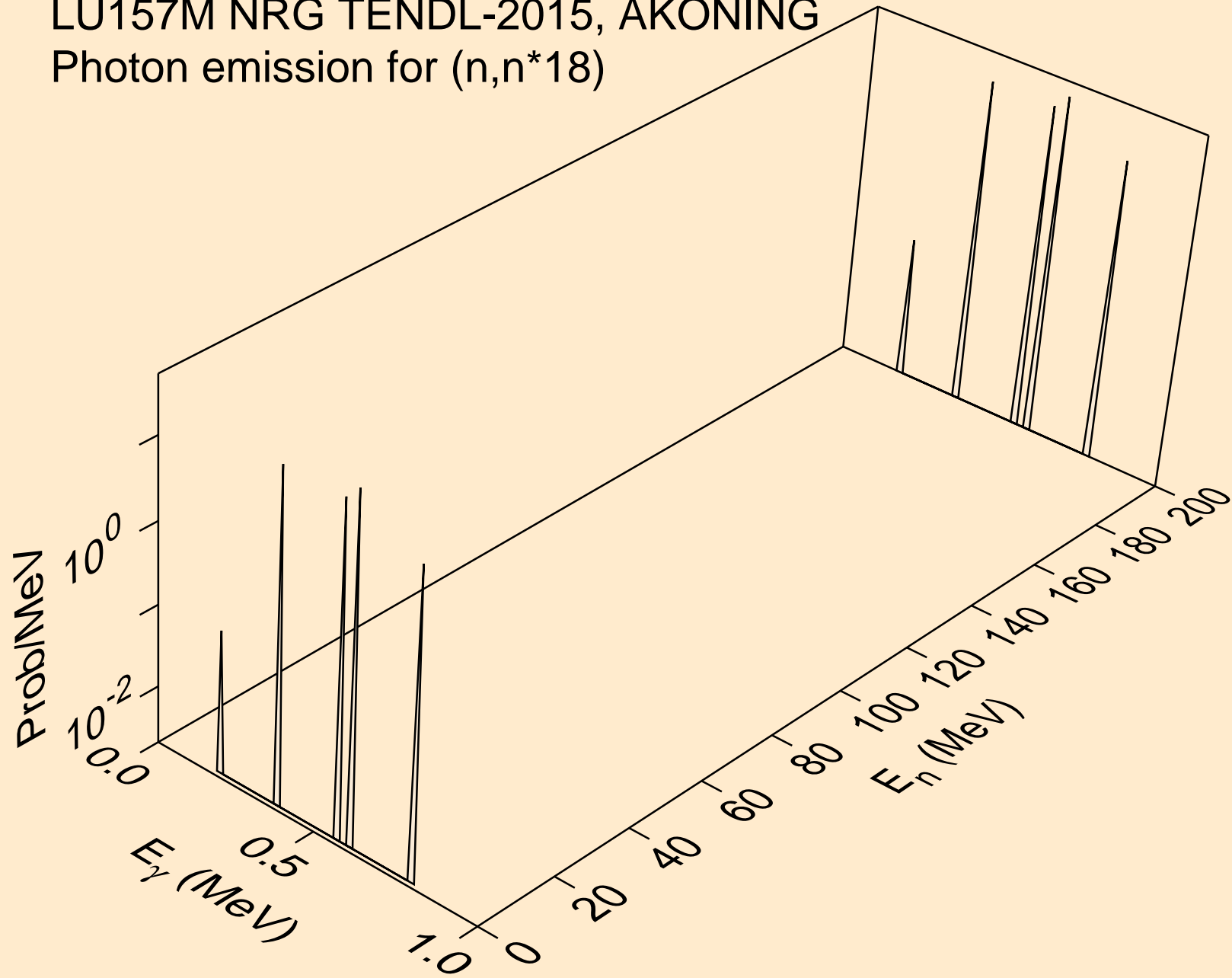
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Photon emission for (n,n\*16)



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*17)

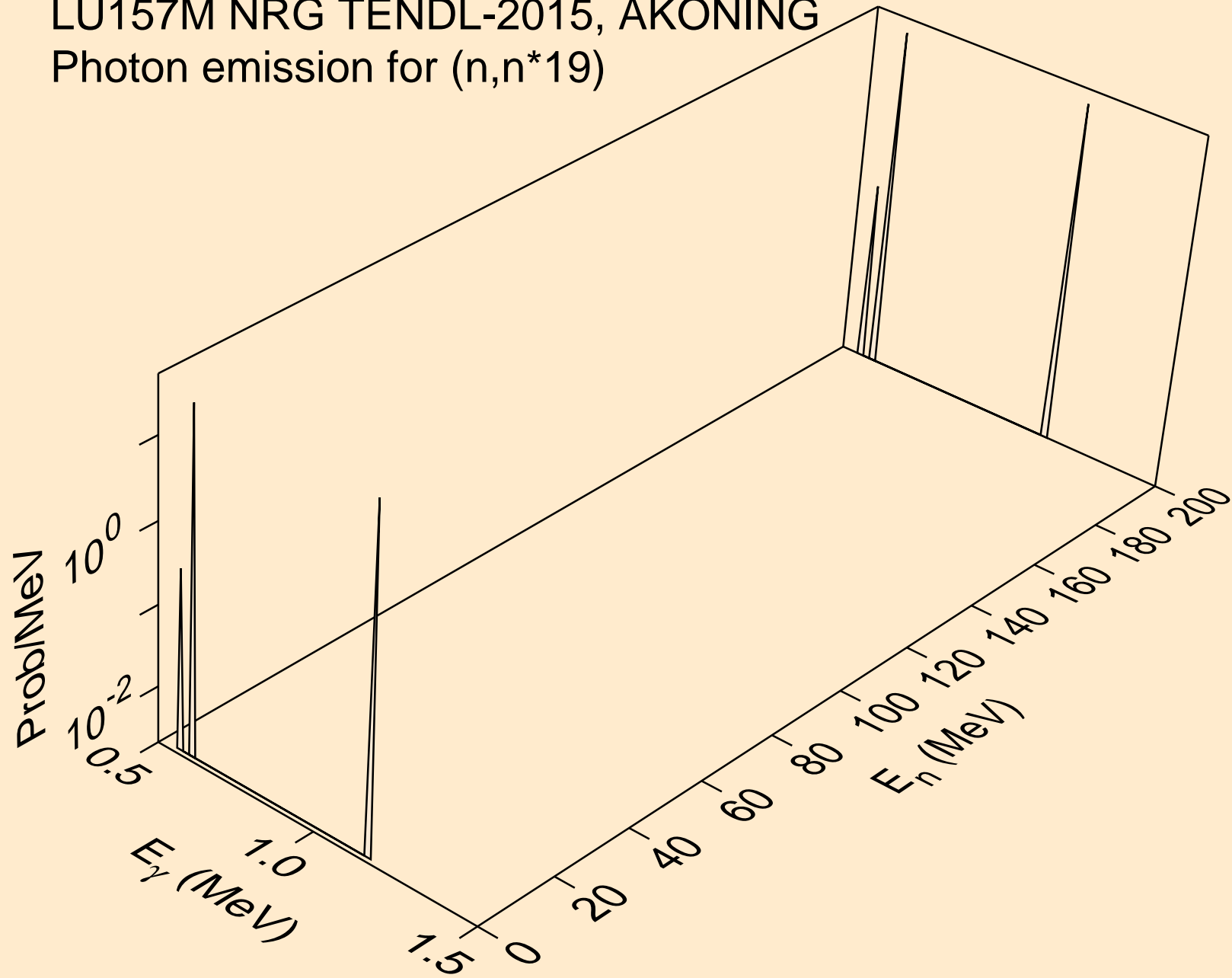


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Photon emission for (n,n\*18)

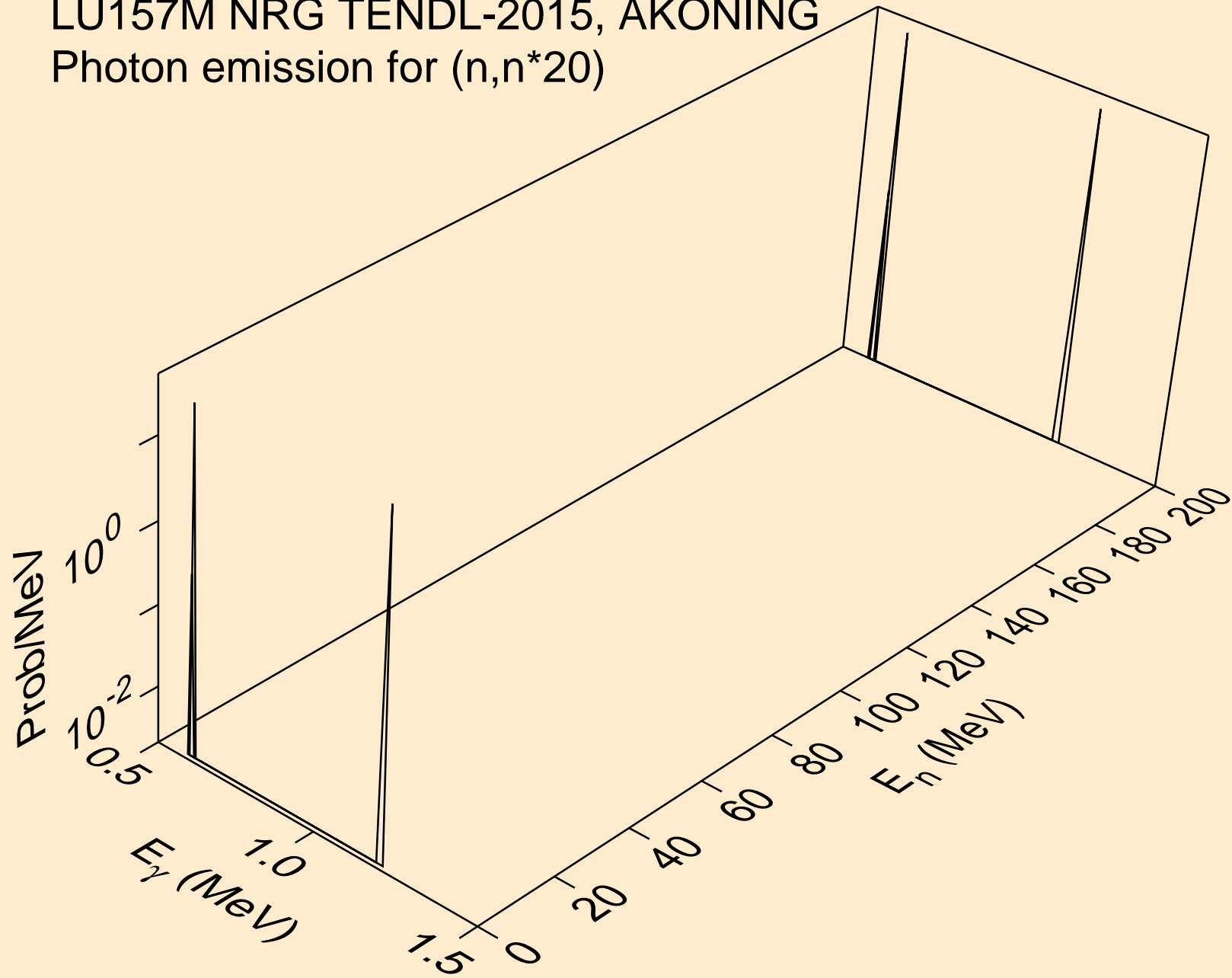




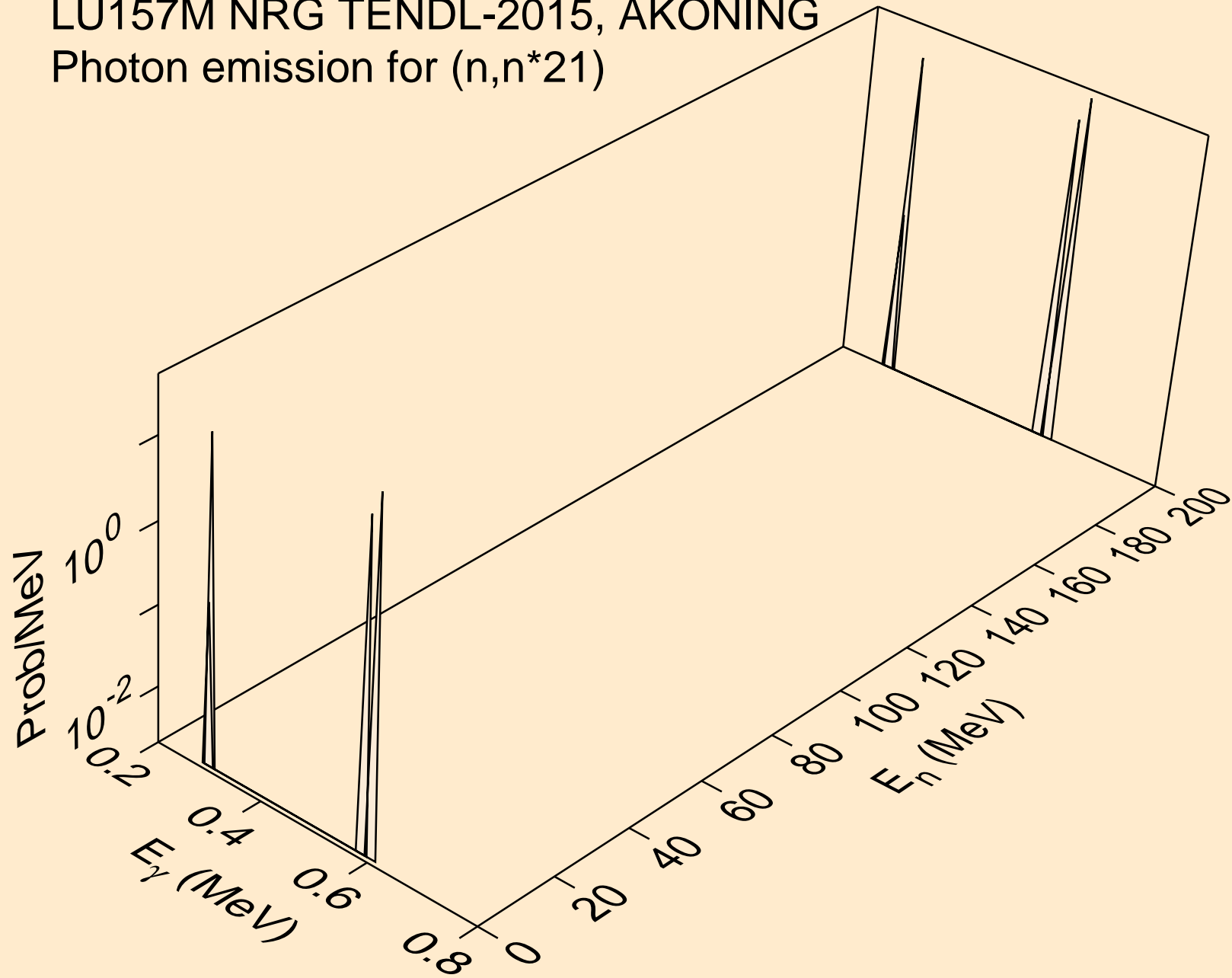
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Photon emission for (n,n\*19)



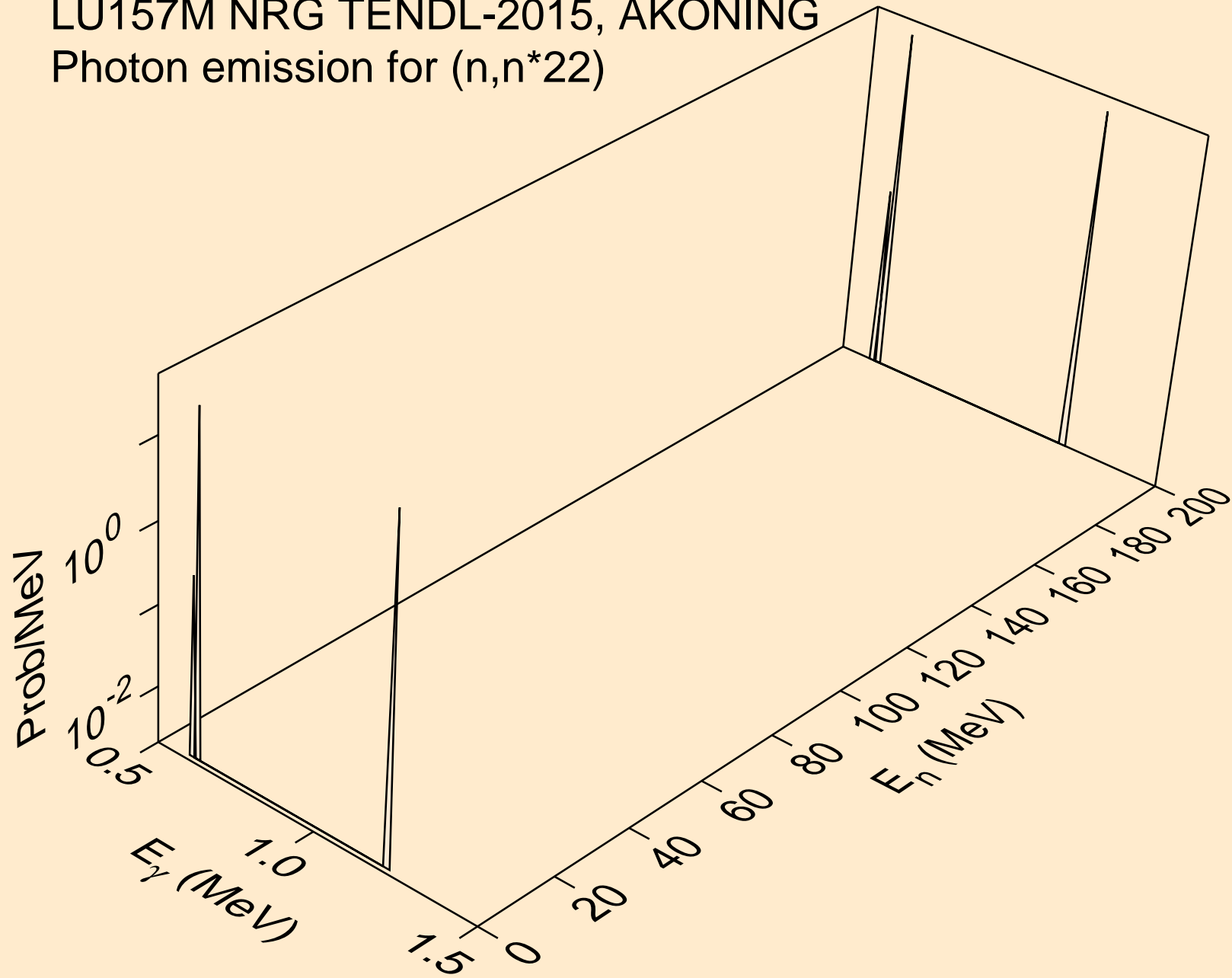
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Photon emission for (n,n\*20)



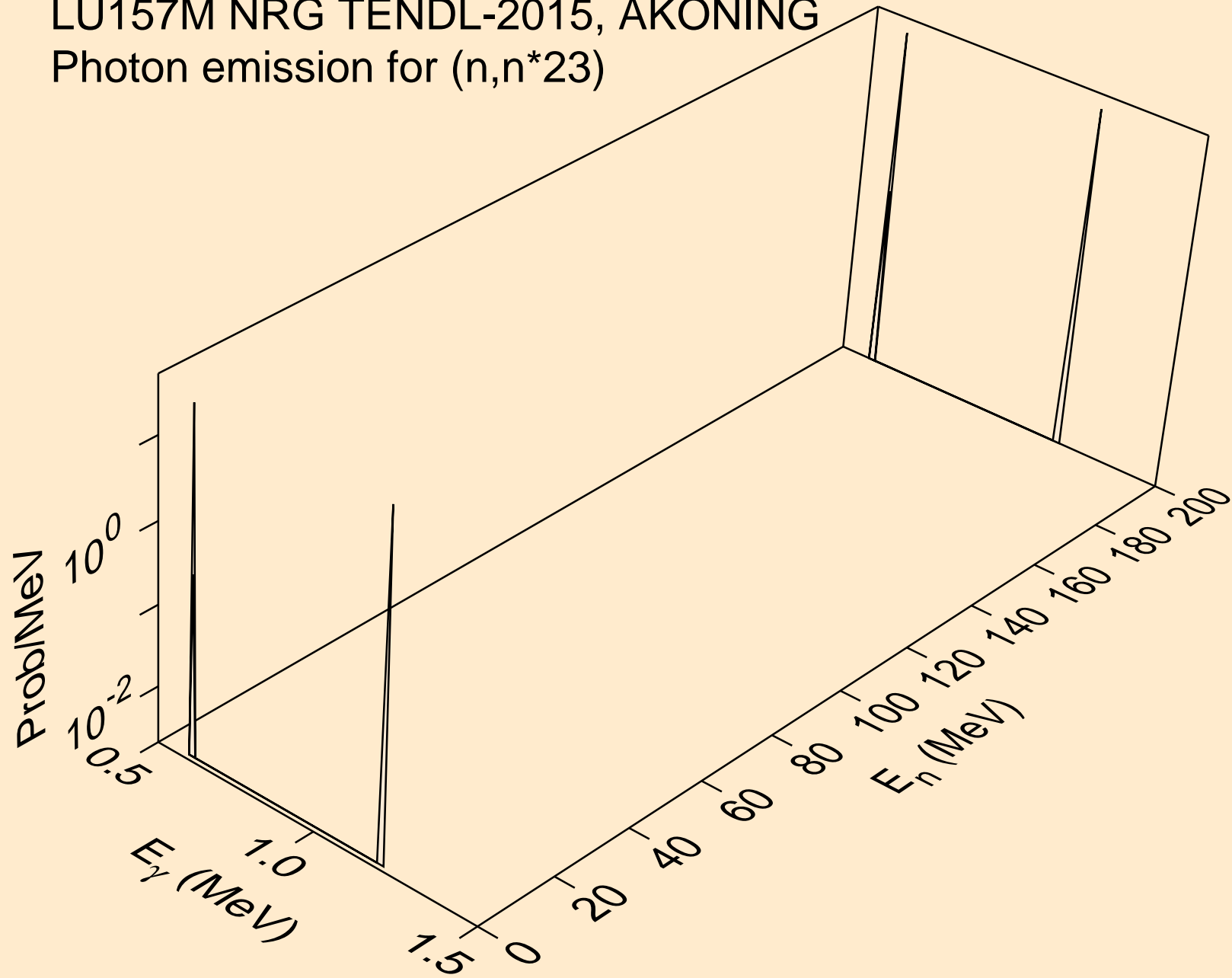
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Photon emission for (n,n\*21)



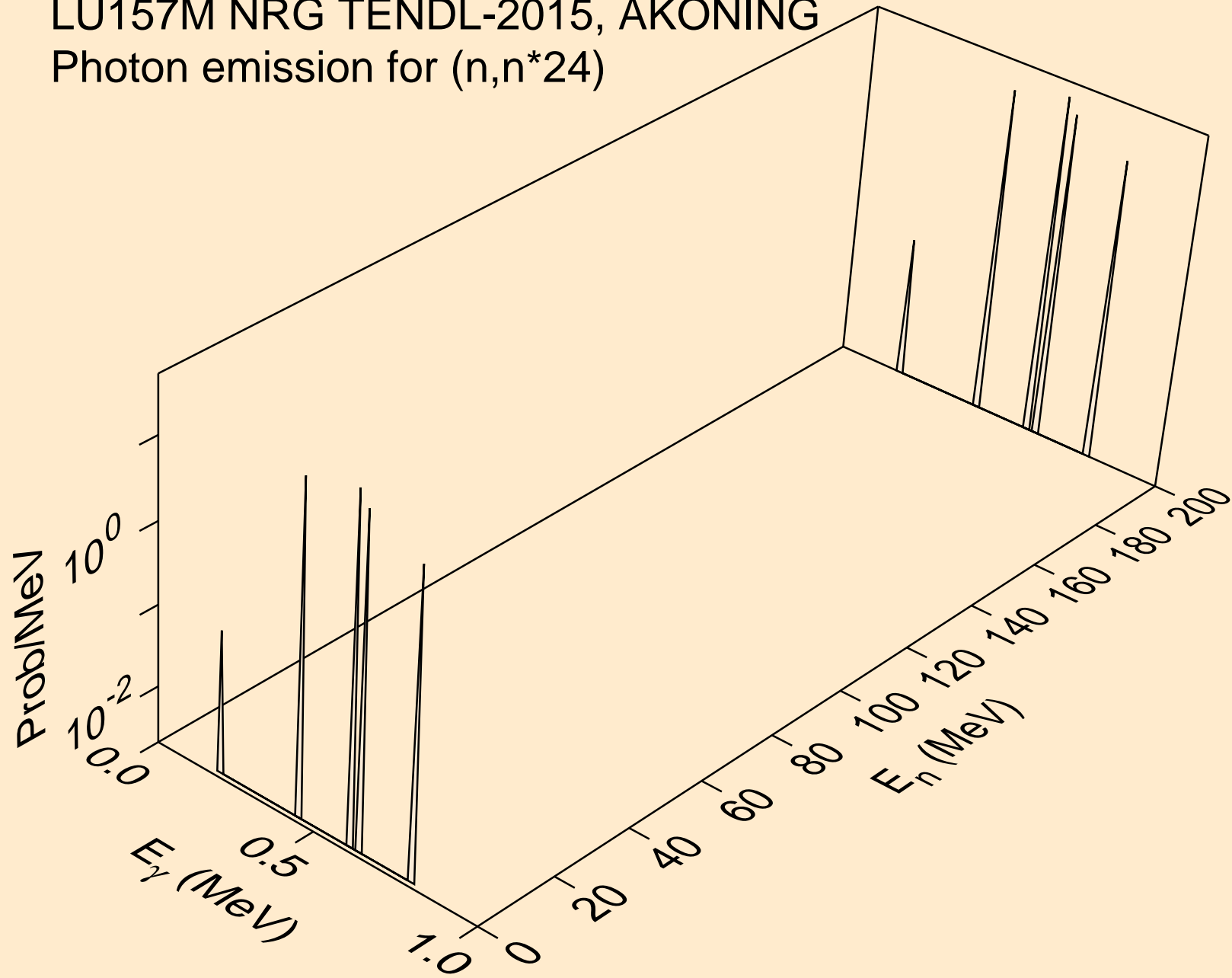
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Photon emission for (n,n\*22)



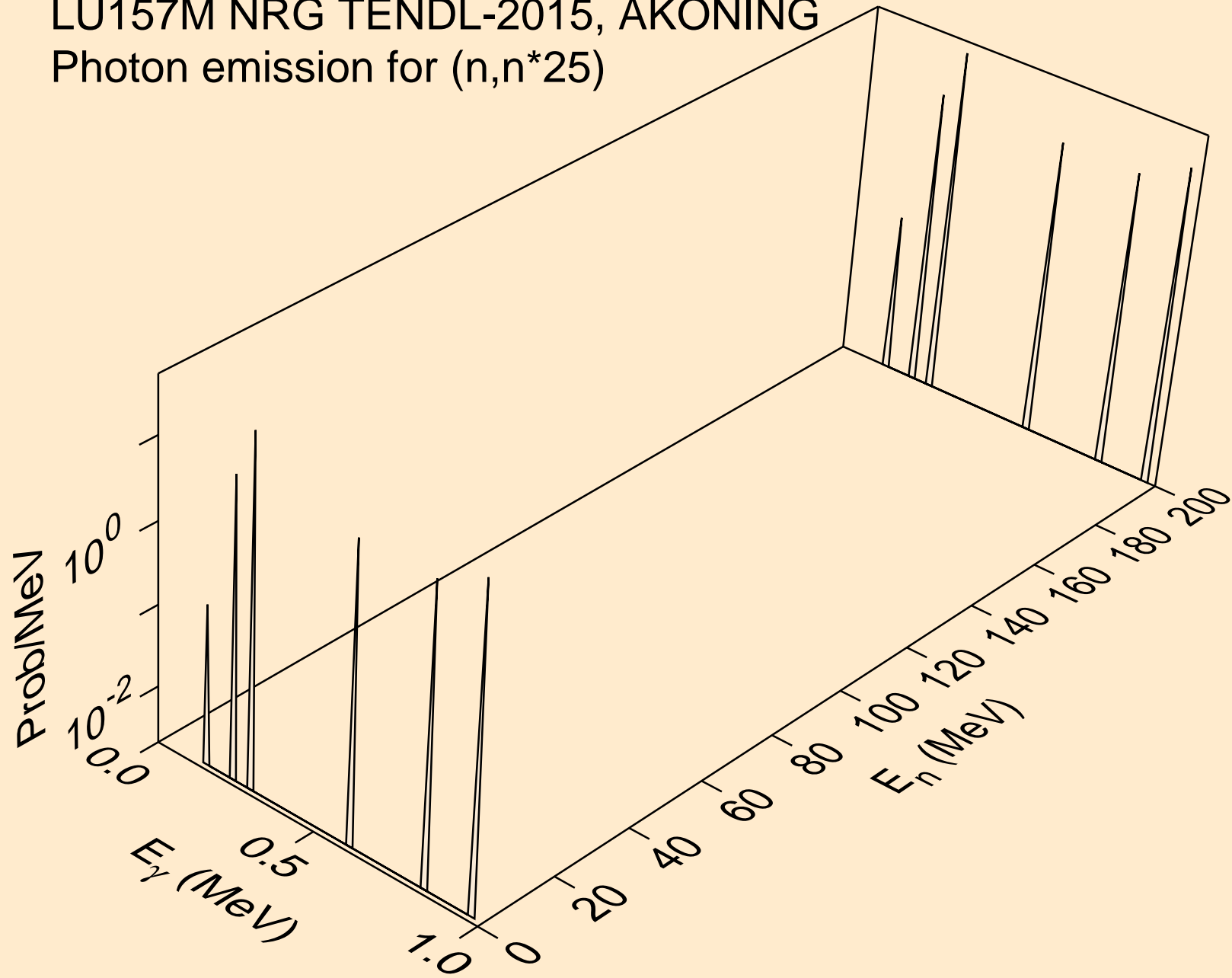
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Photon emission for (n,n\*23)



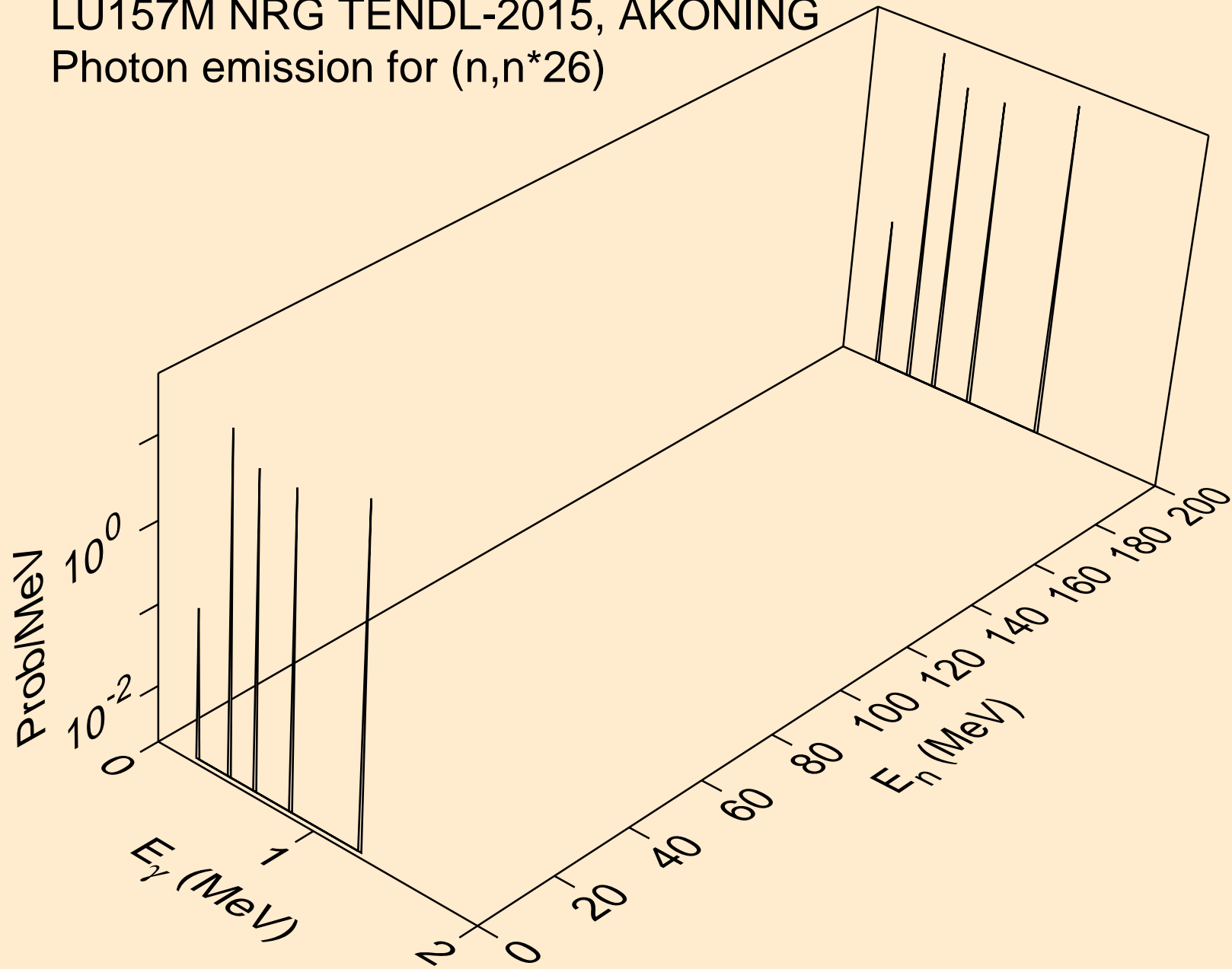
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Photon emission for (n,n\*24)



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*25)

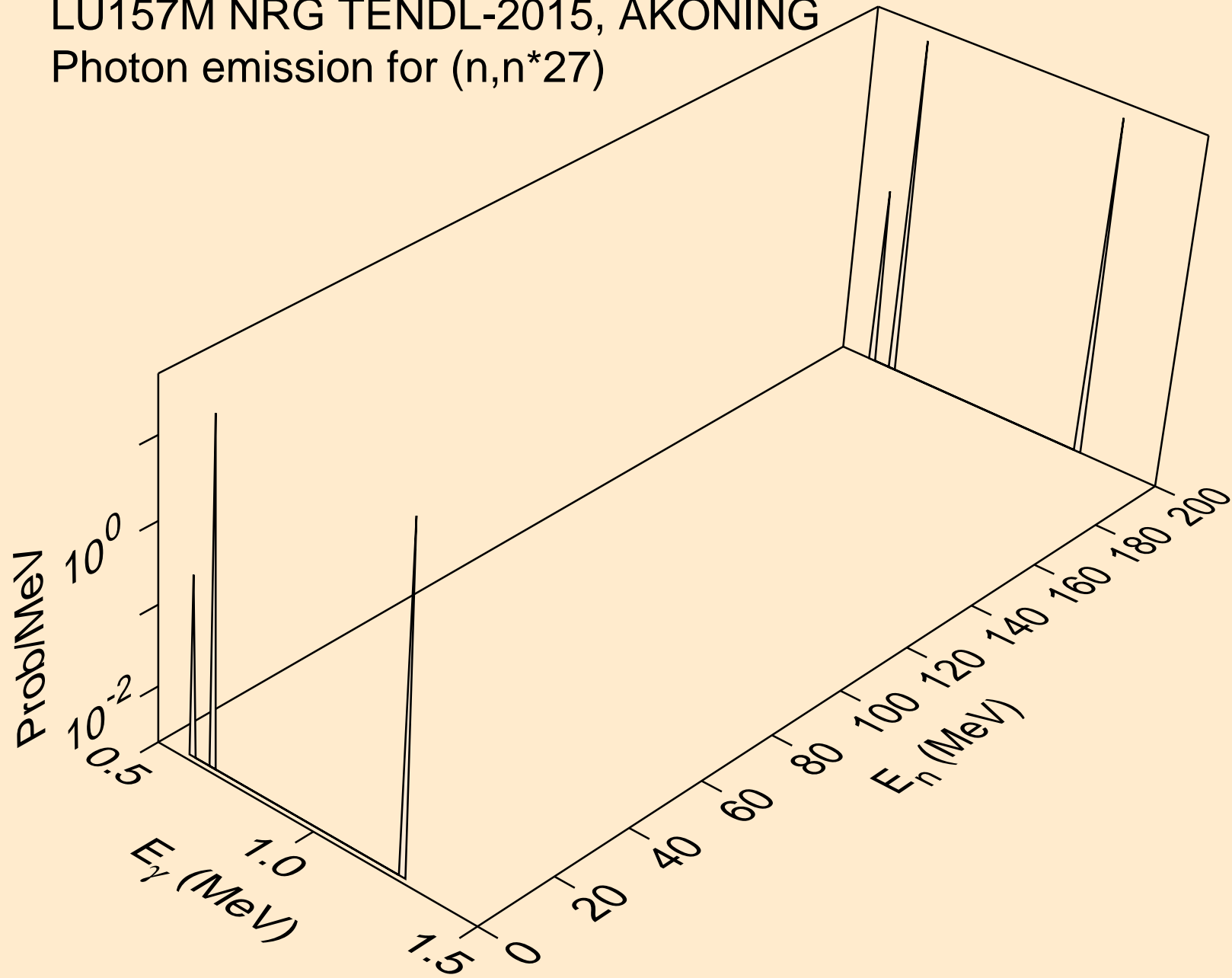


LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*26)

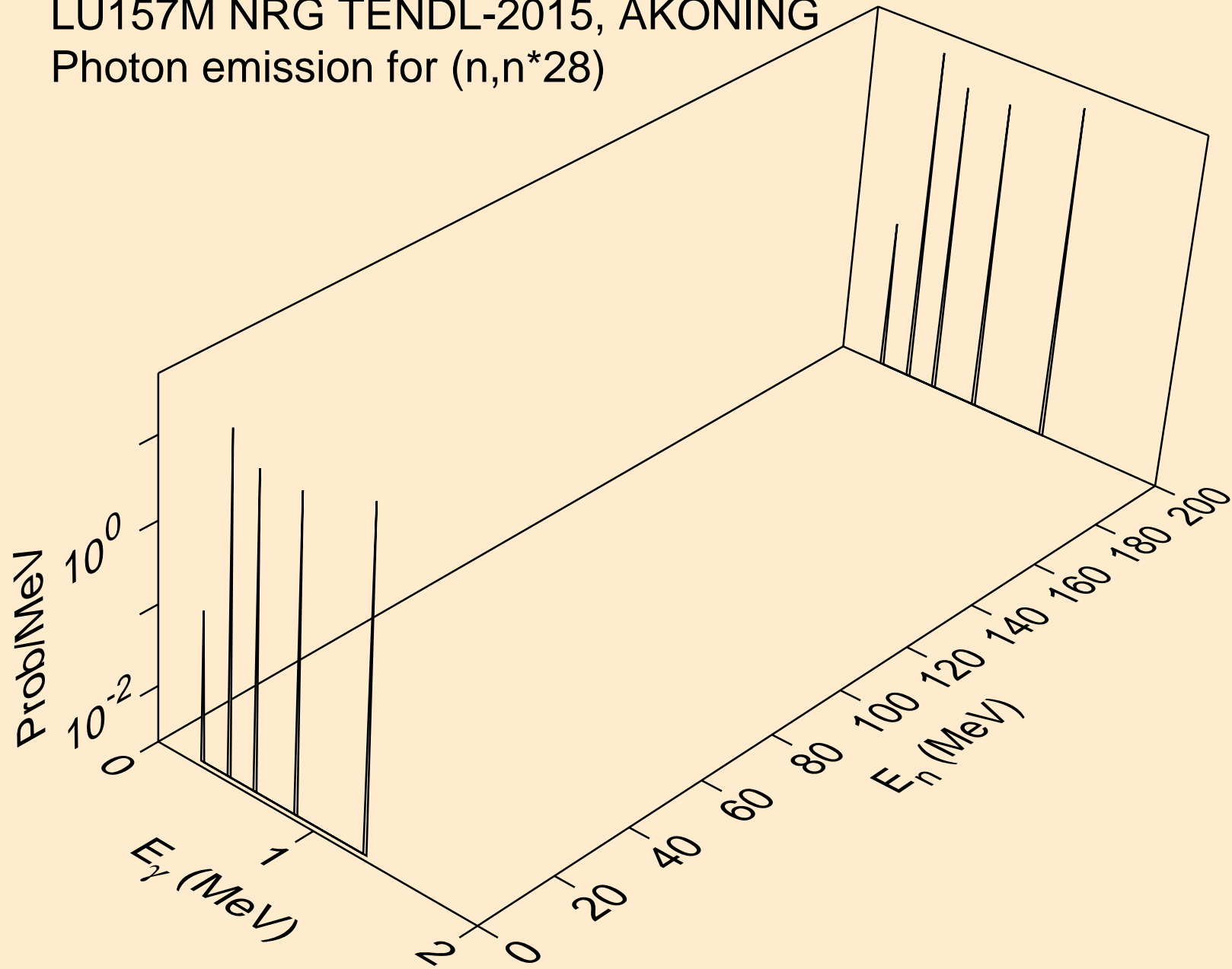




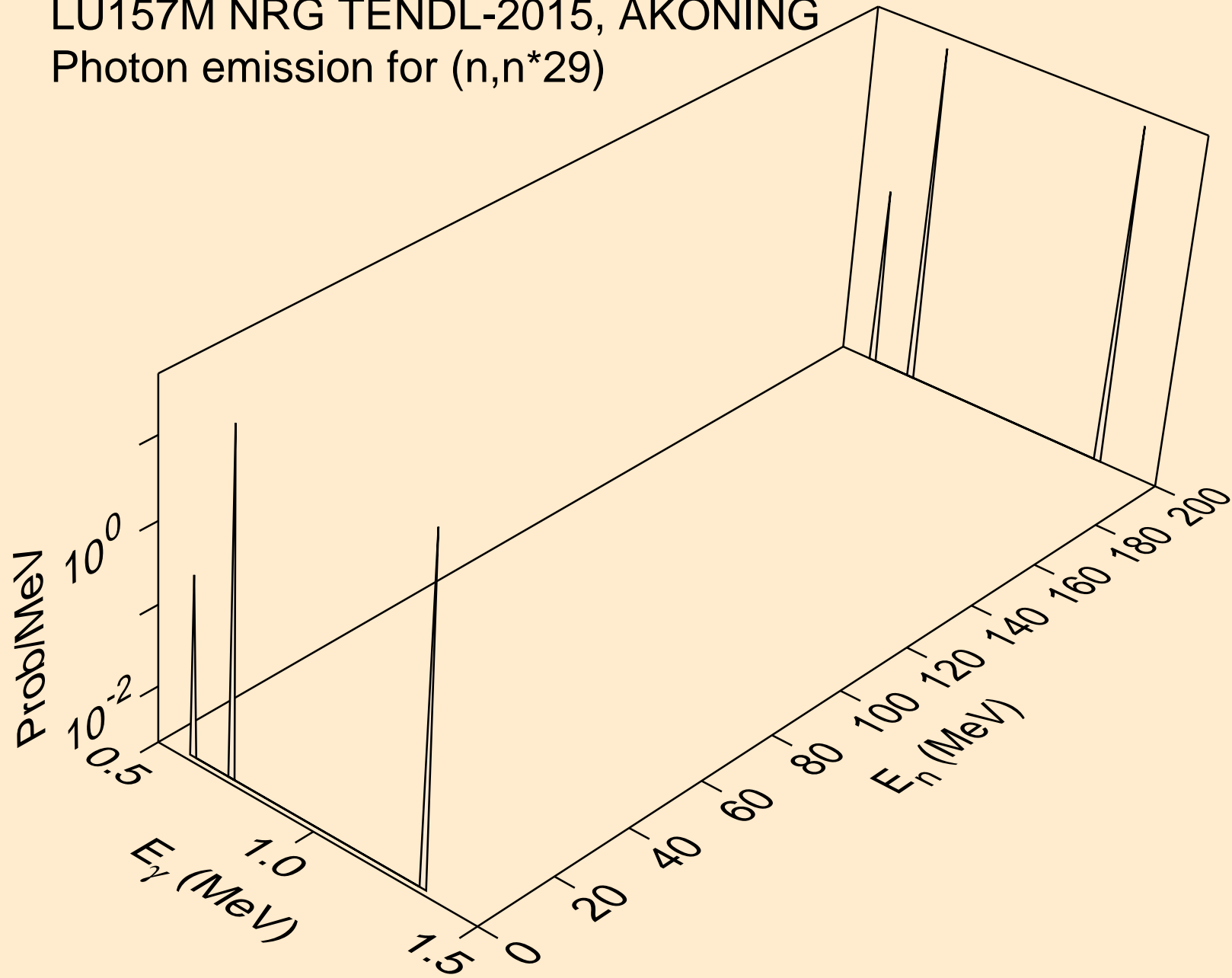
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Photon emission for (n,n\*27)



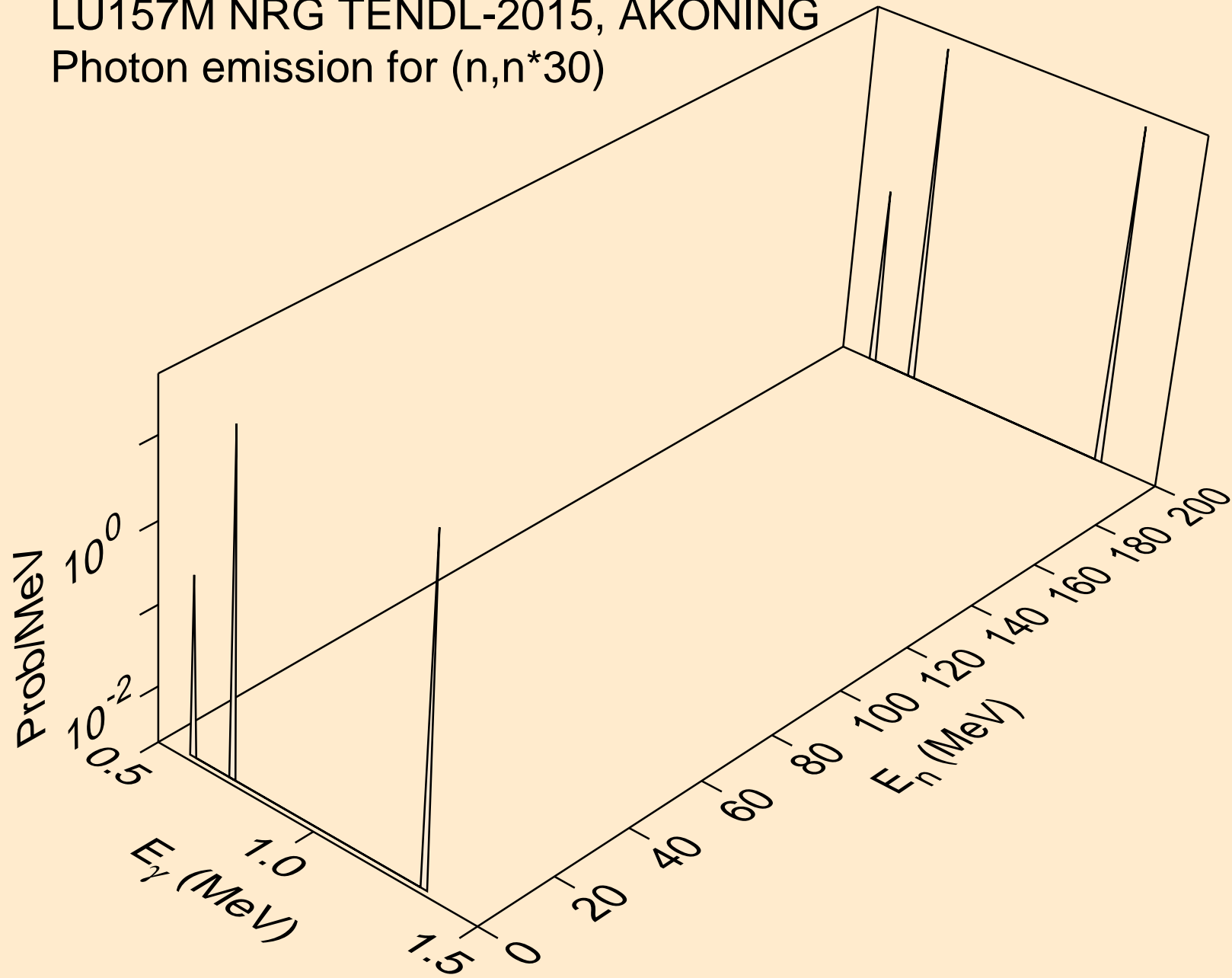
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Photon emission for (n,n\*28)



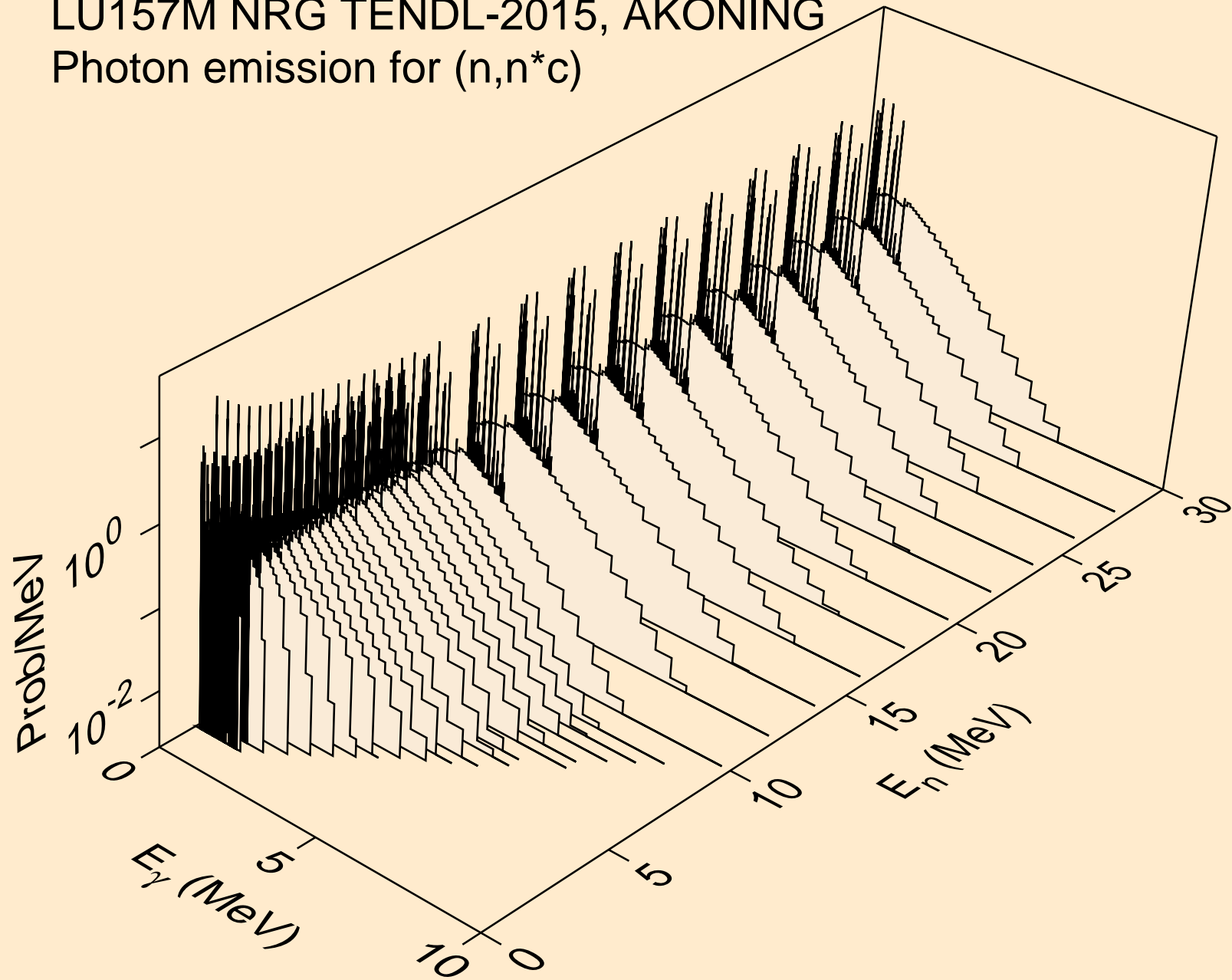
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Photon emission for (n,n\*29)



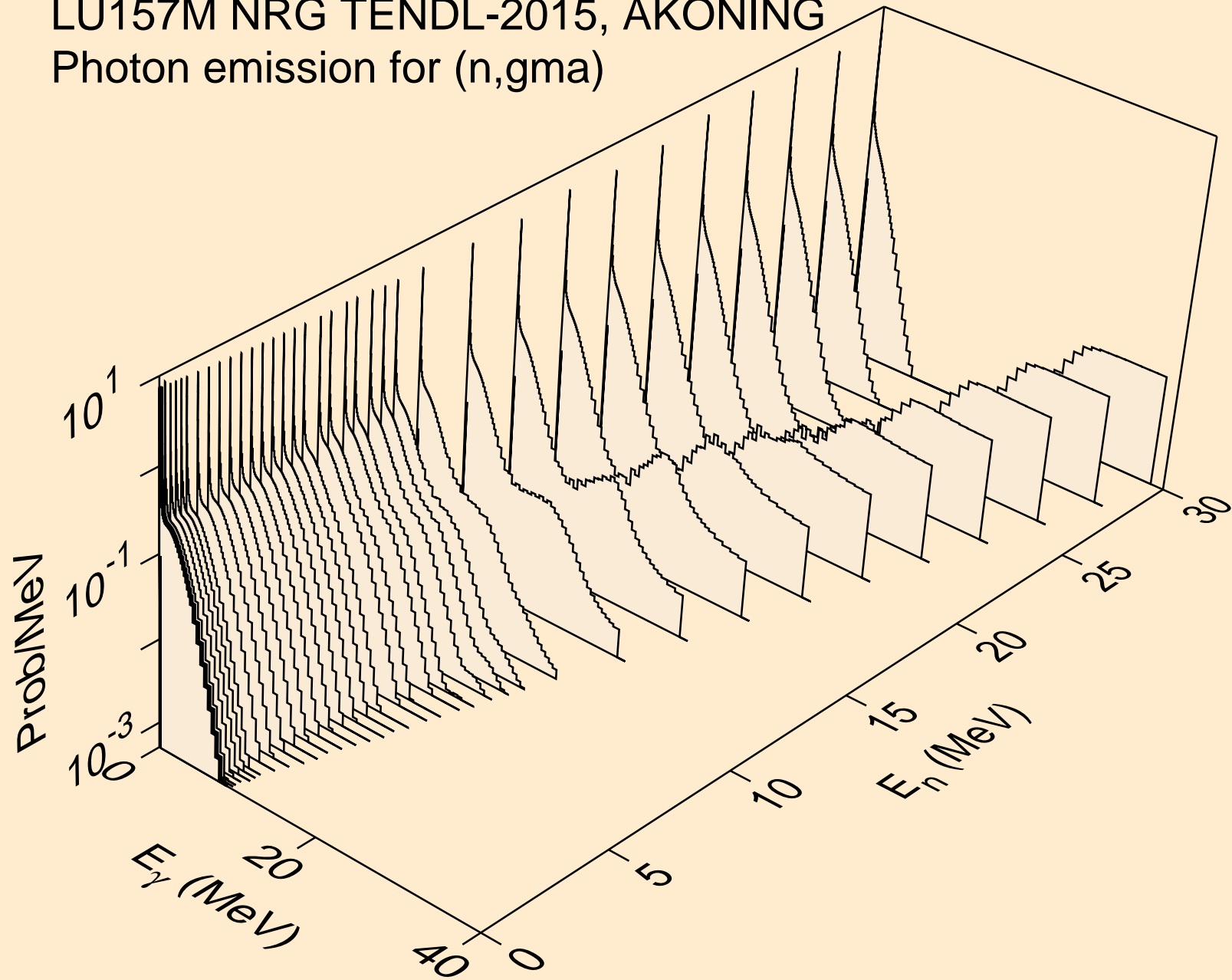
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Photon emission for (n,n\*30)



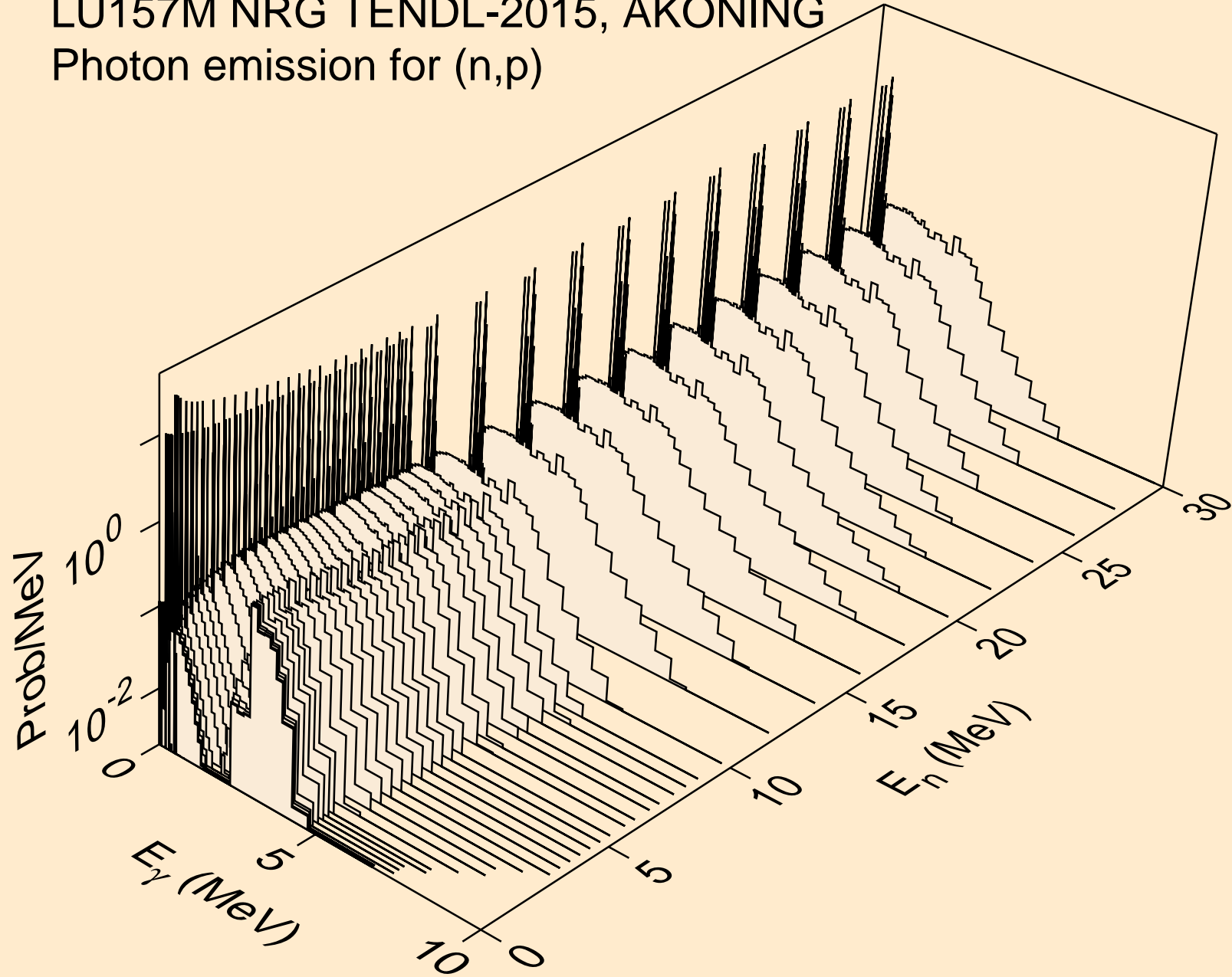
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Photon emission for (n,n\*c)



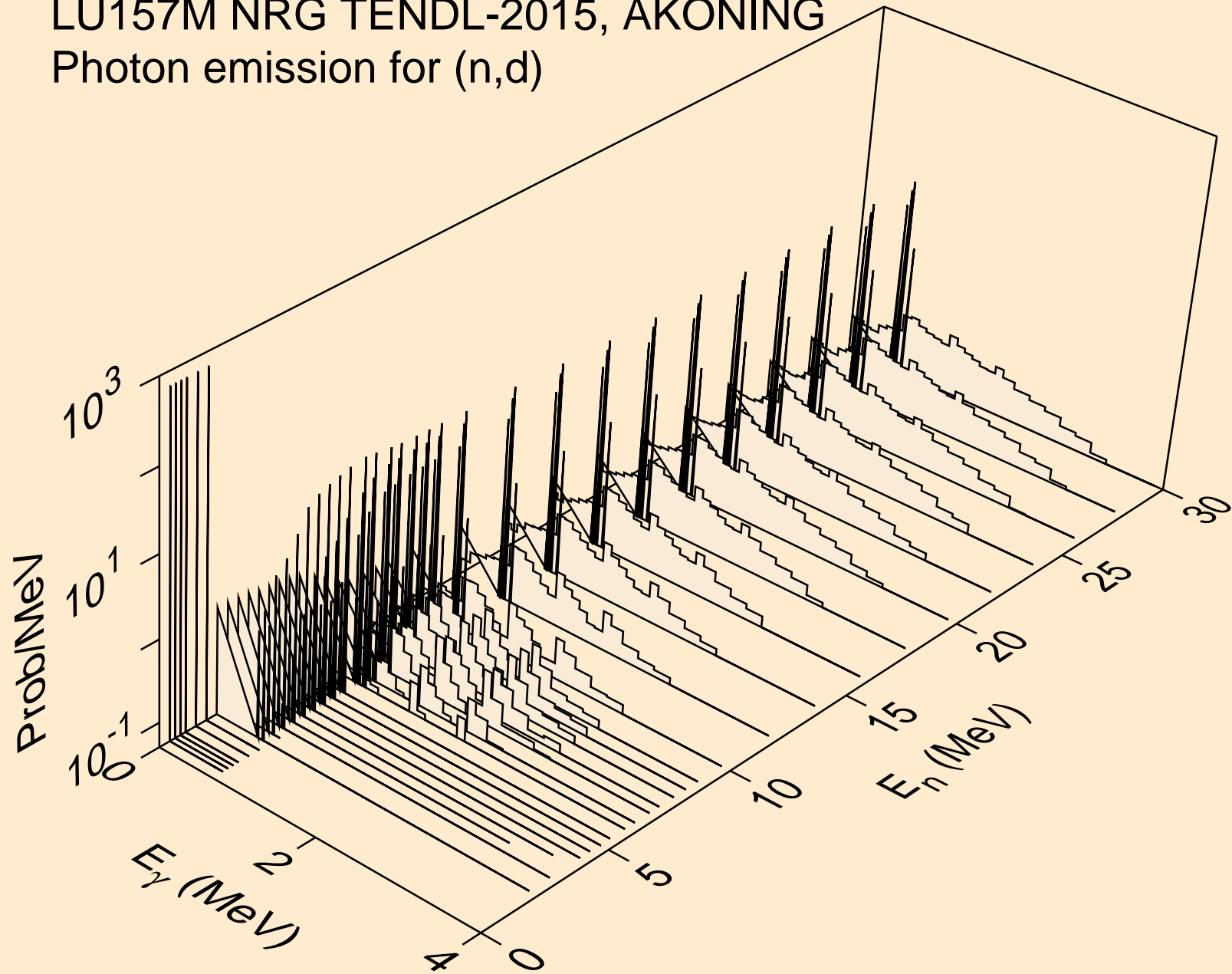
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,p)

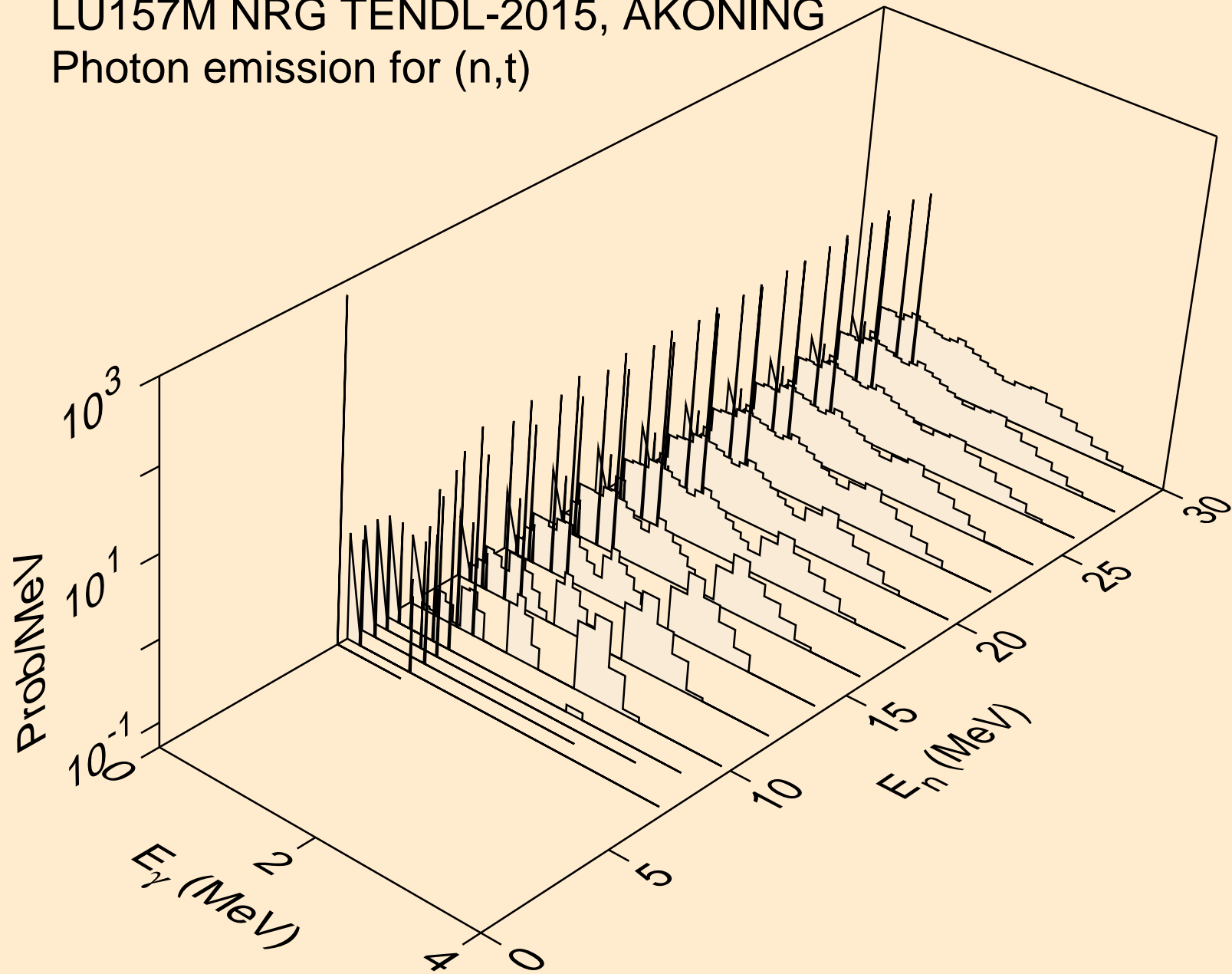


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Photon emission for (n,d)

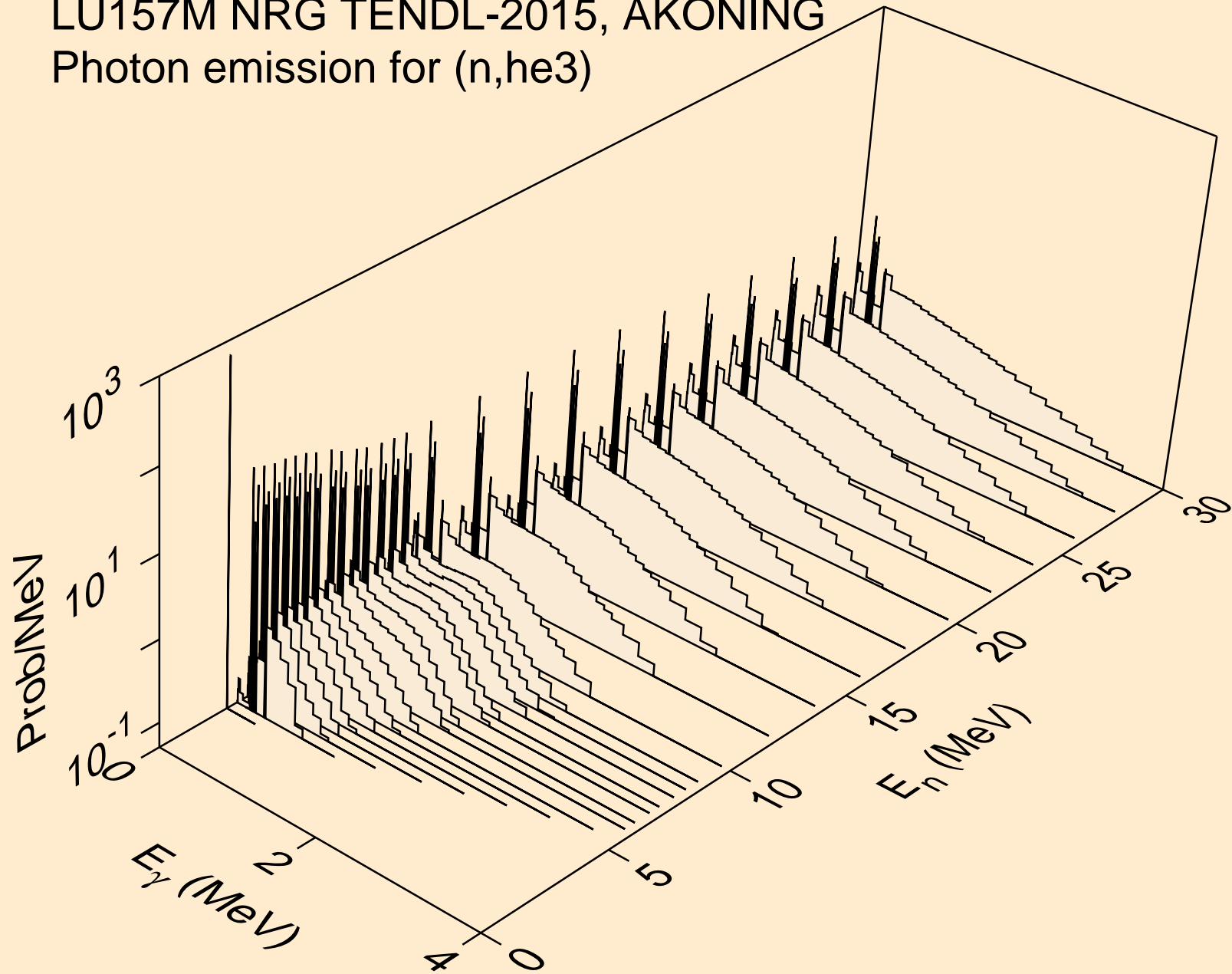




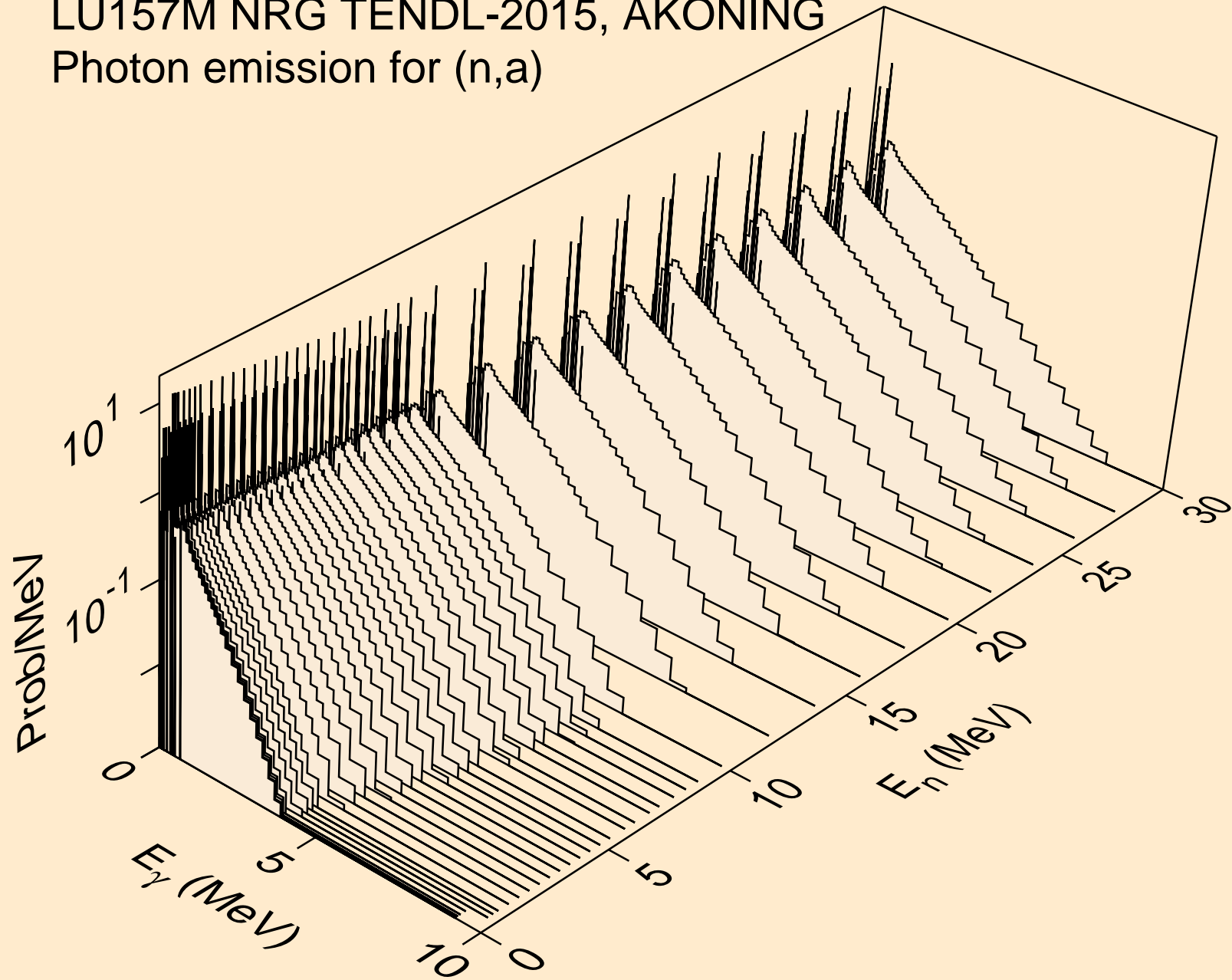
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Photon emission for (n,t)



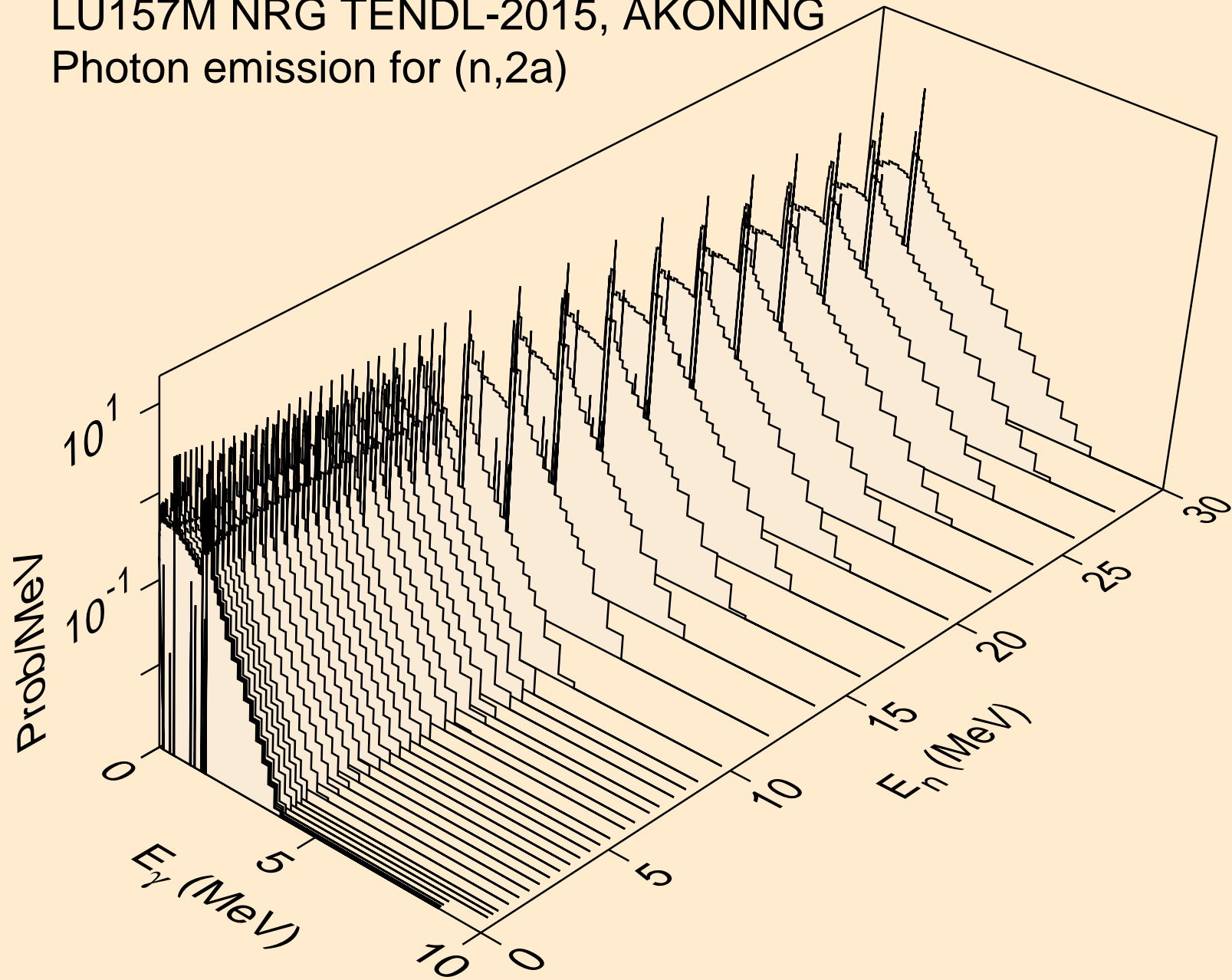
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Photon emission for (n,he3)



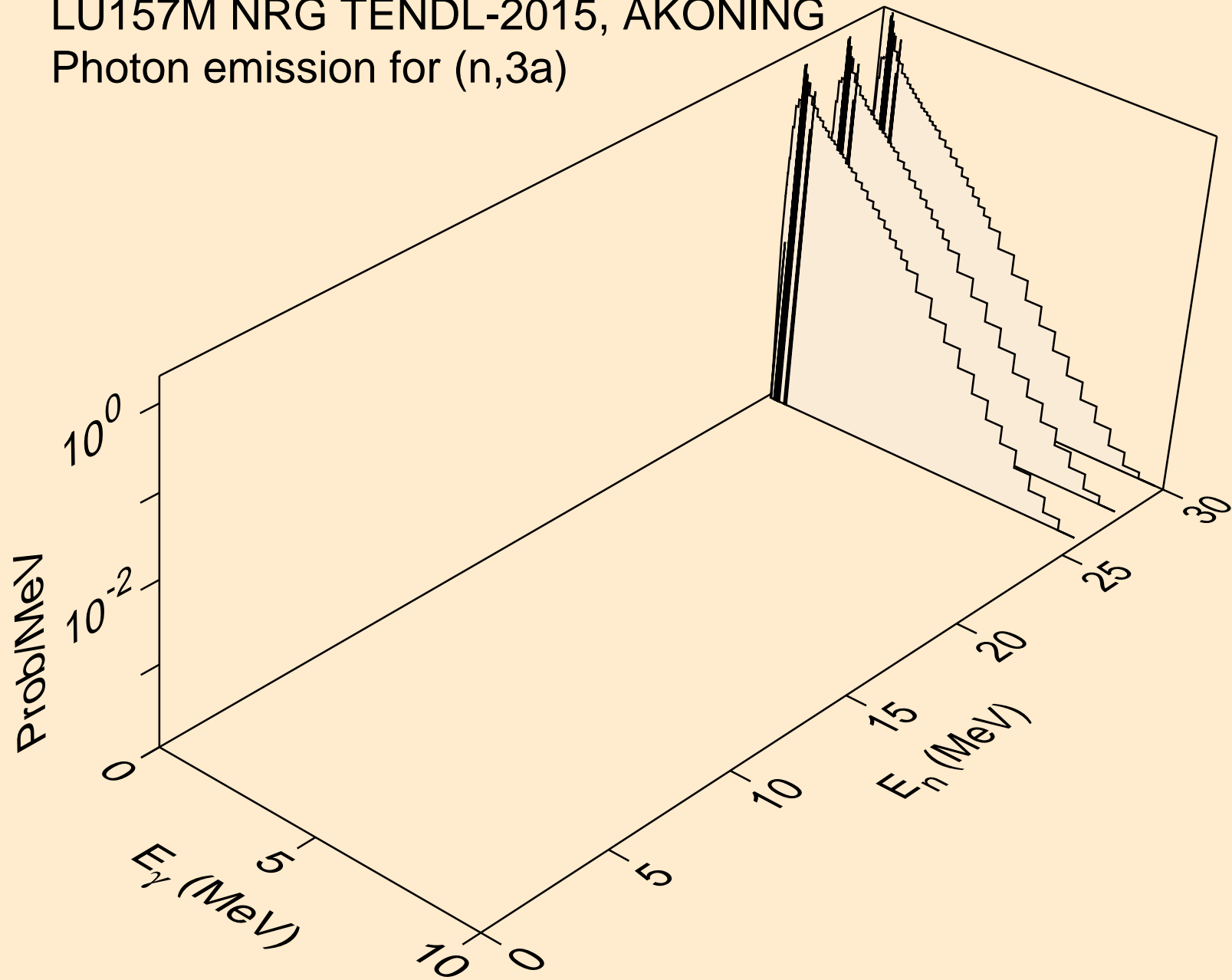
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Photon emission for (n,a)



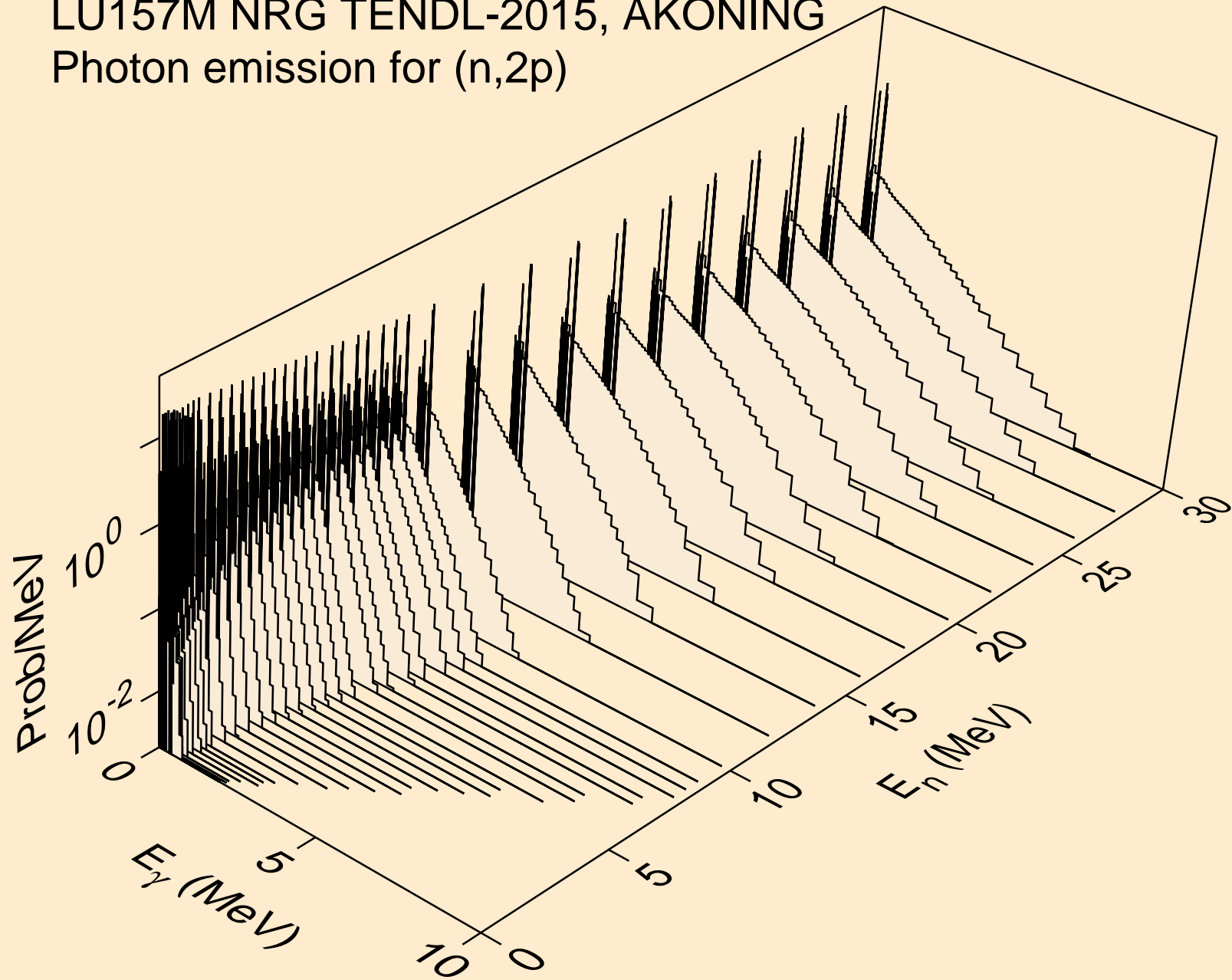
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Photon emission for (n,2a)



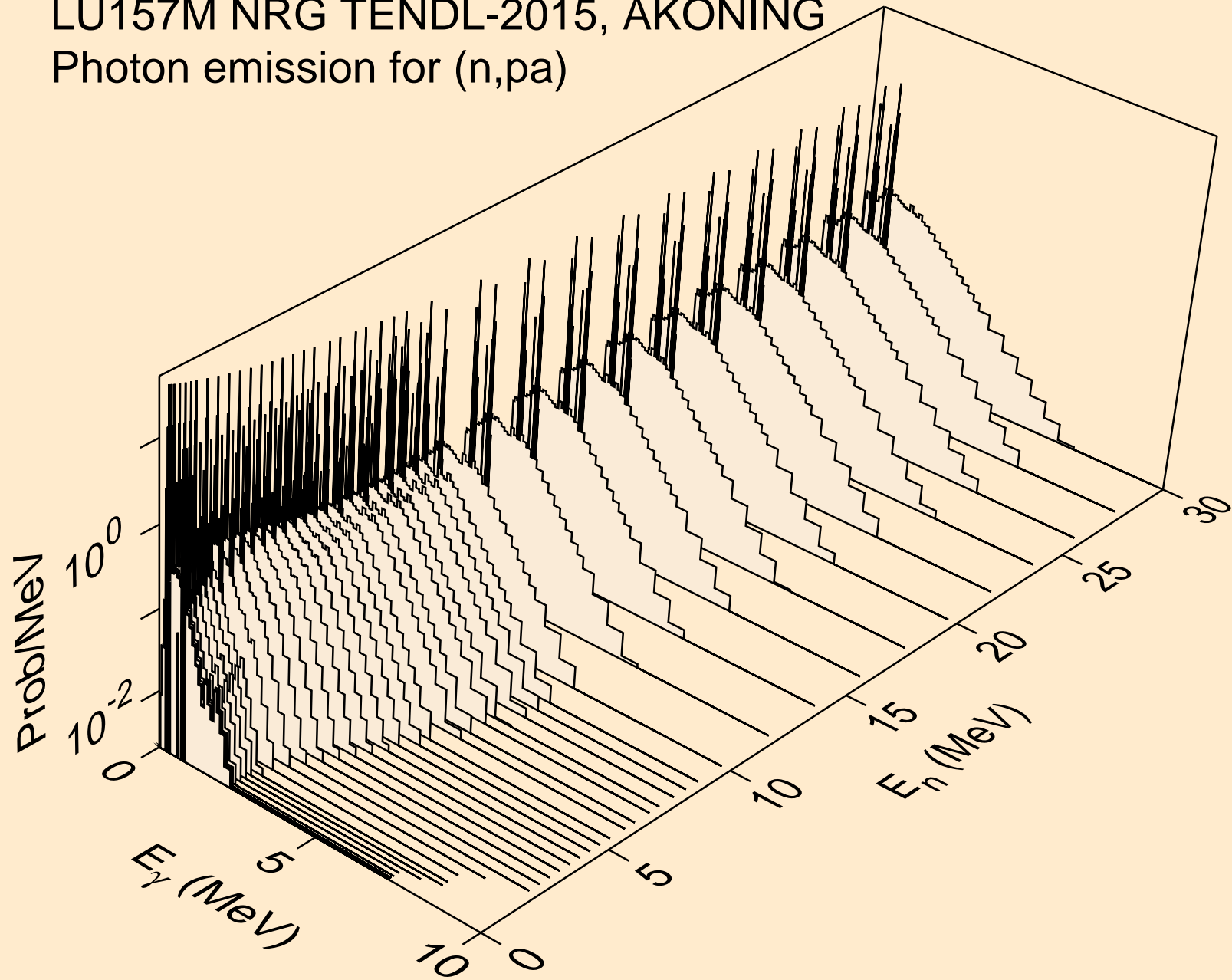
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Photon emission for (n,3a)



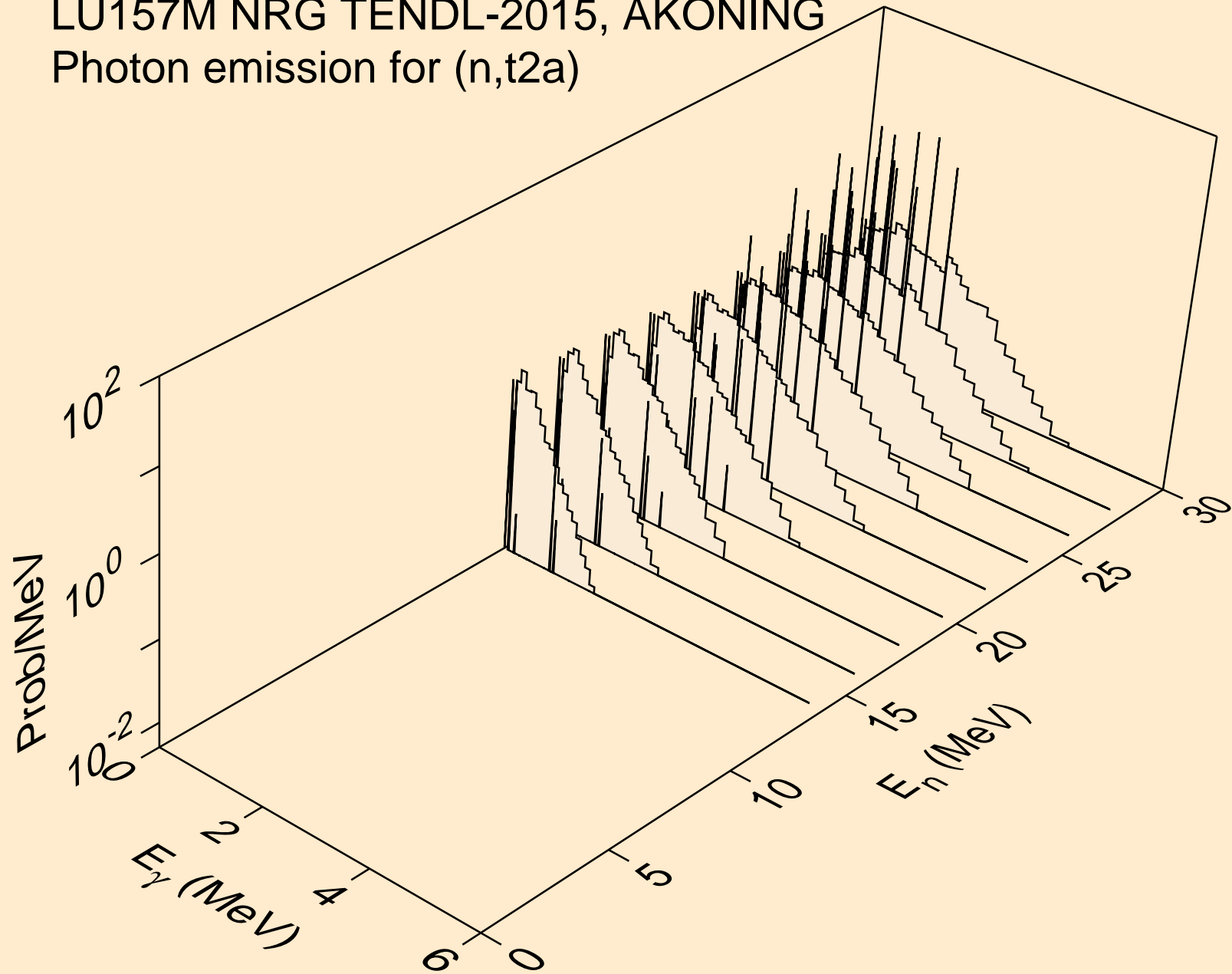
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Photon emission for (n,2p)



LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

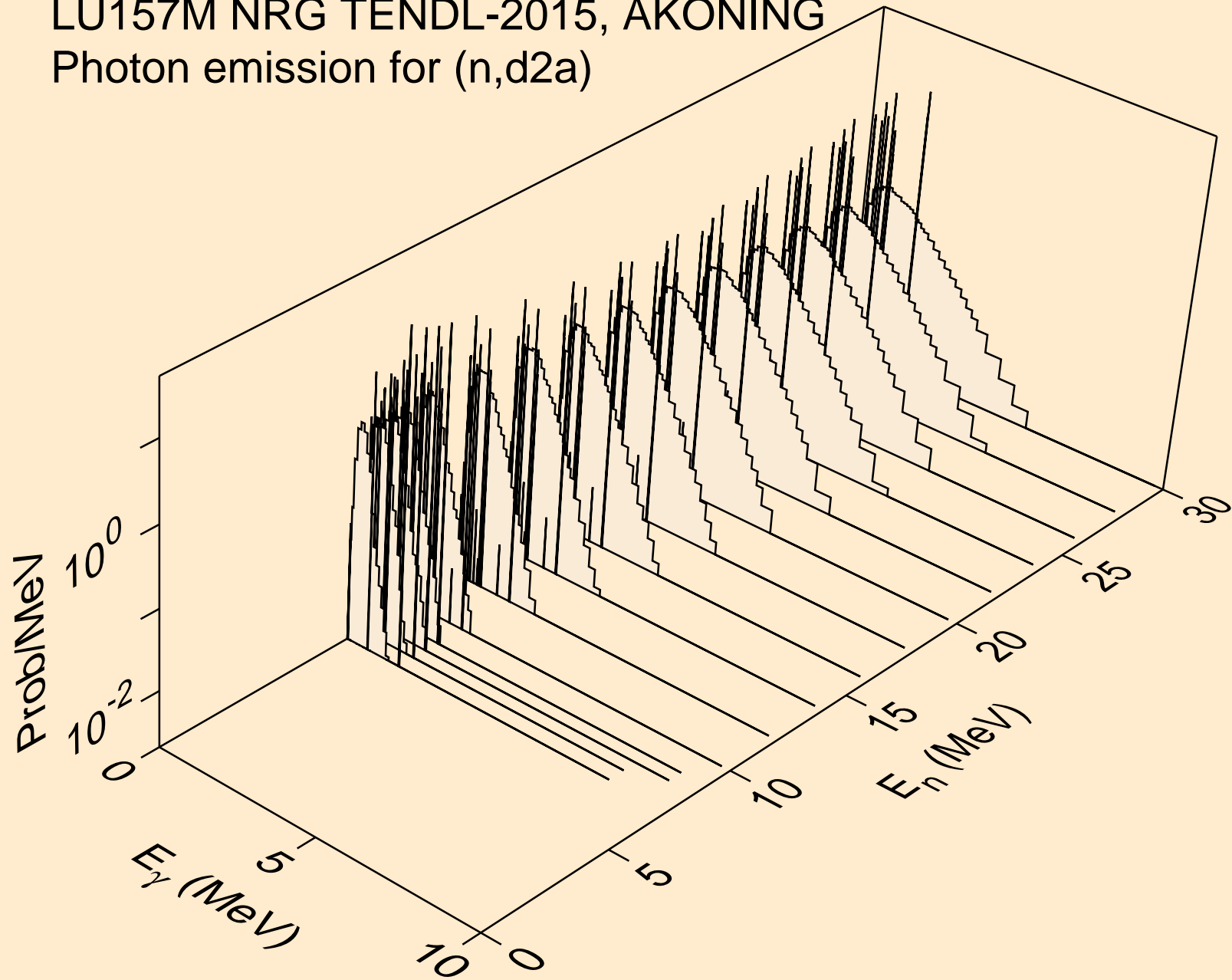


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Photon emission for (n,t2a)

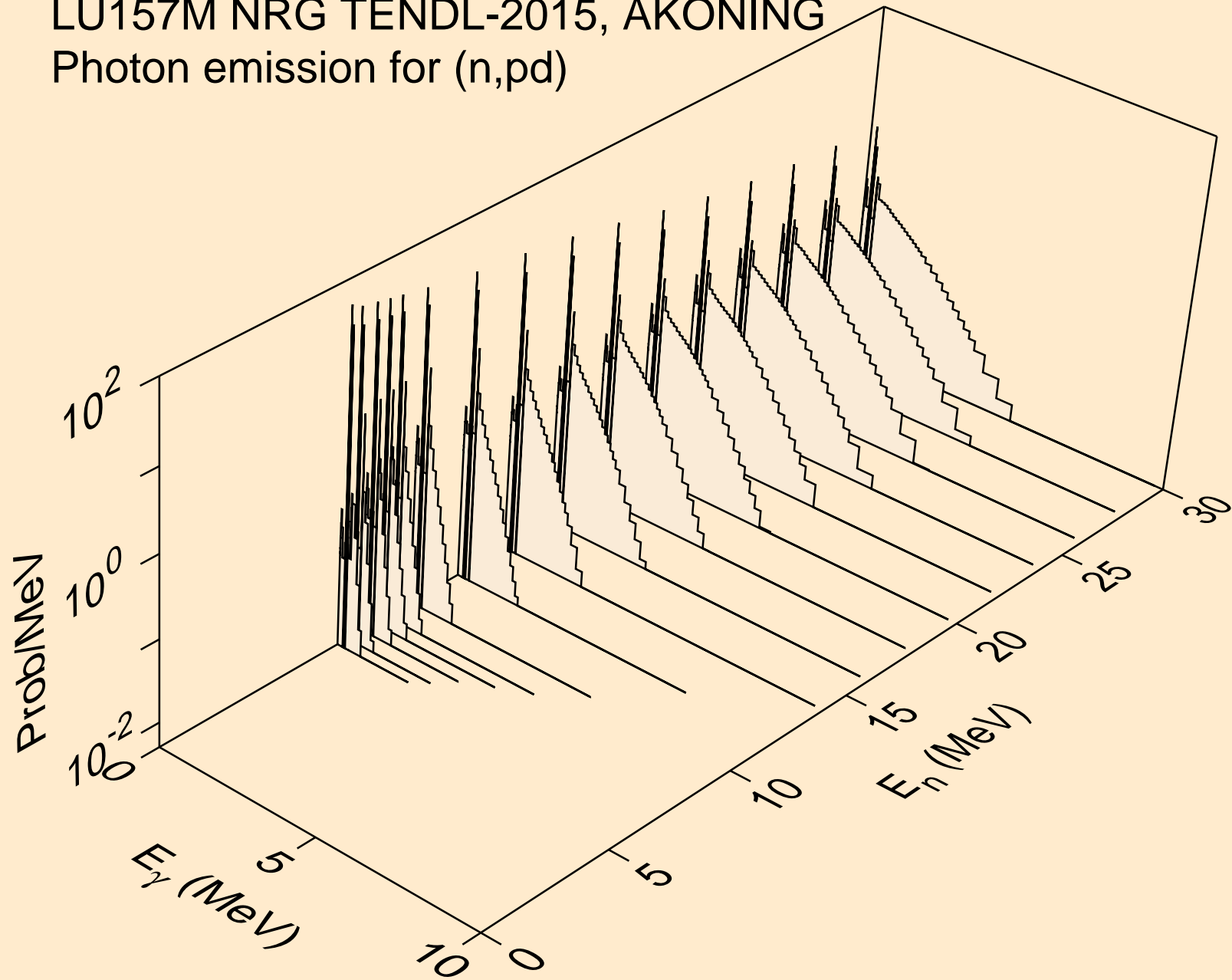




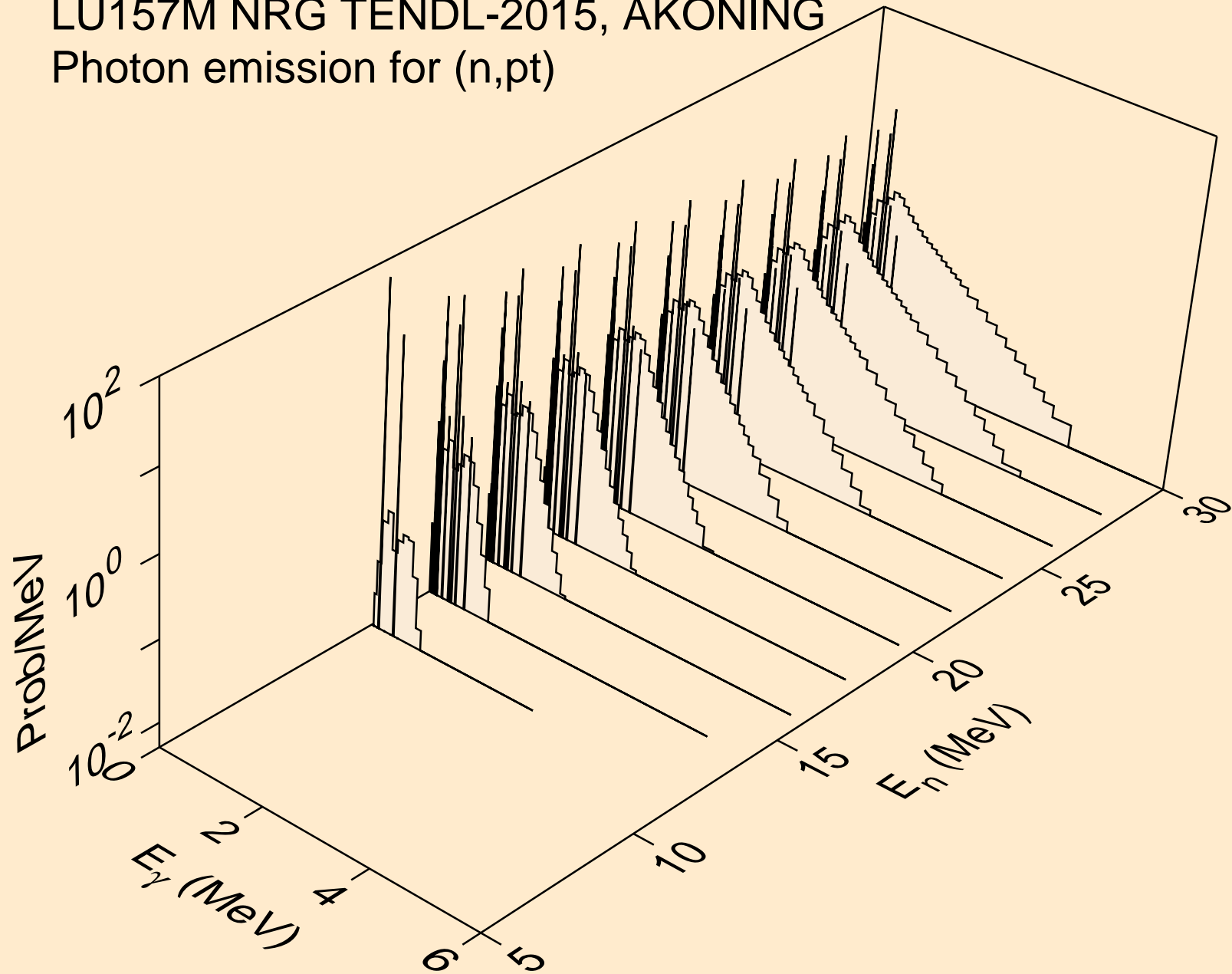
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Photon emission for (n,d2a)



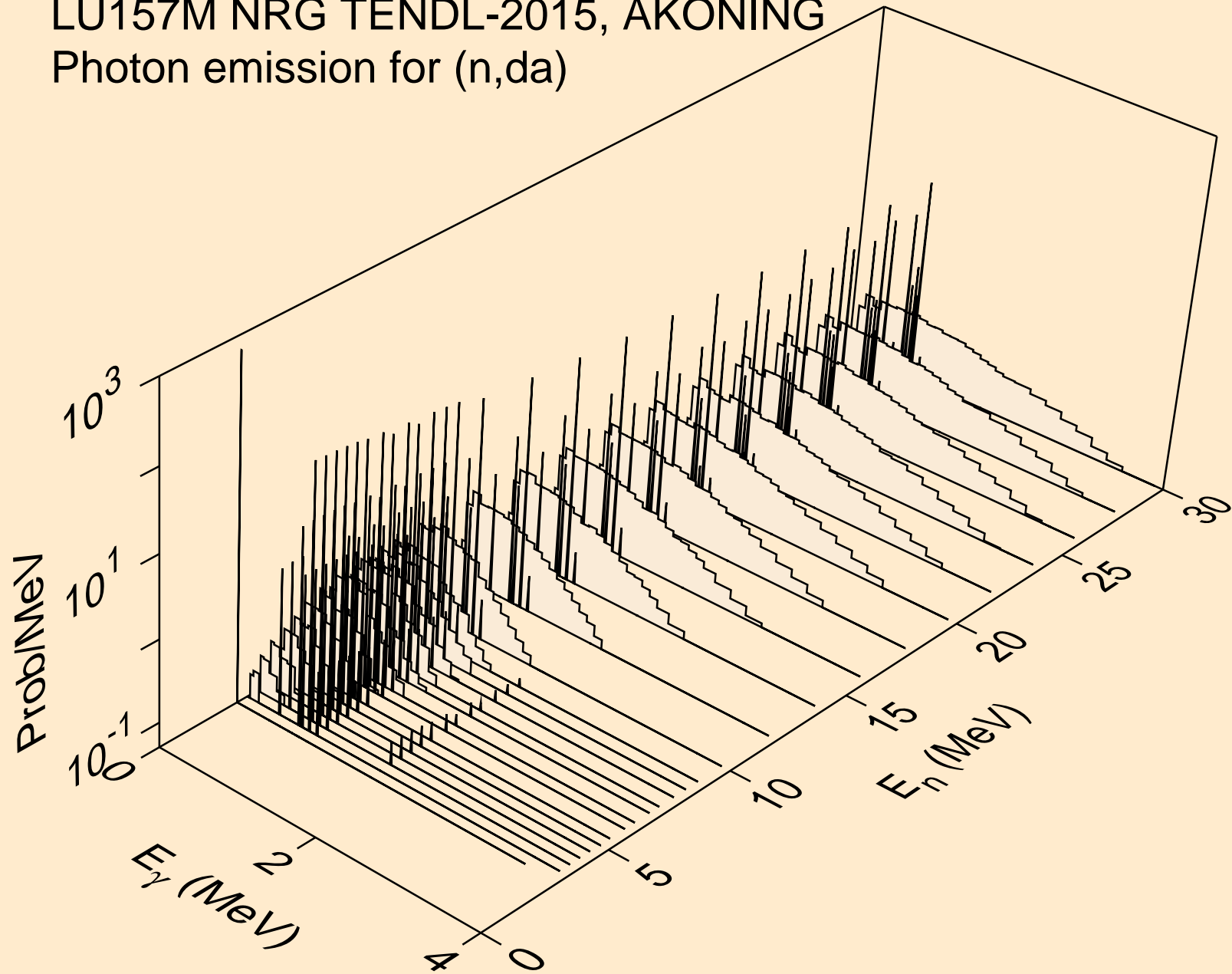
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Photon emission for (n,pd)



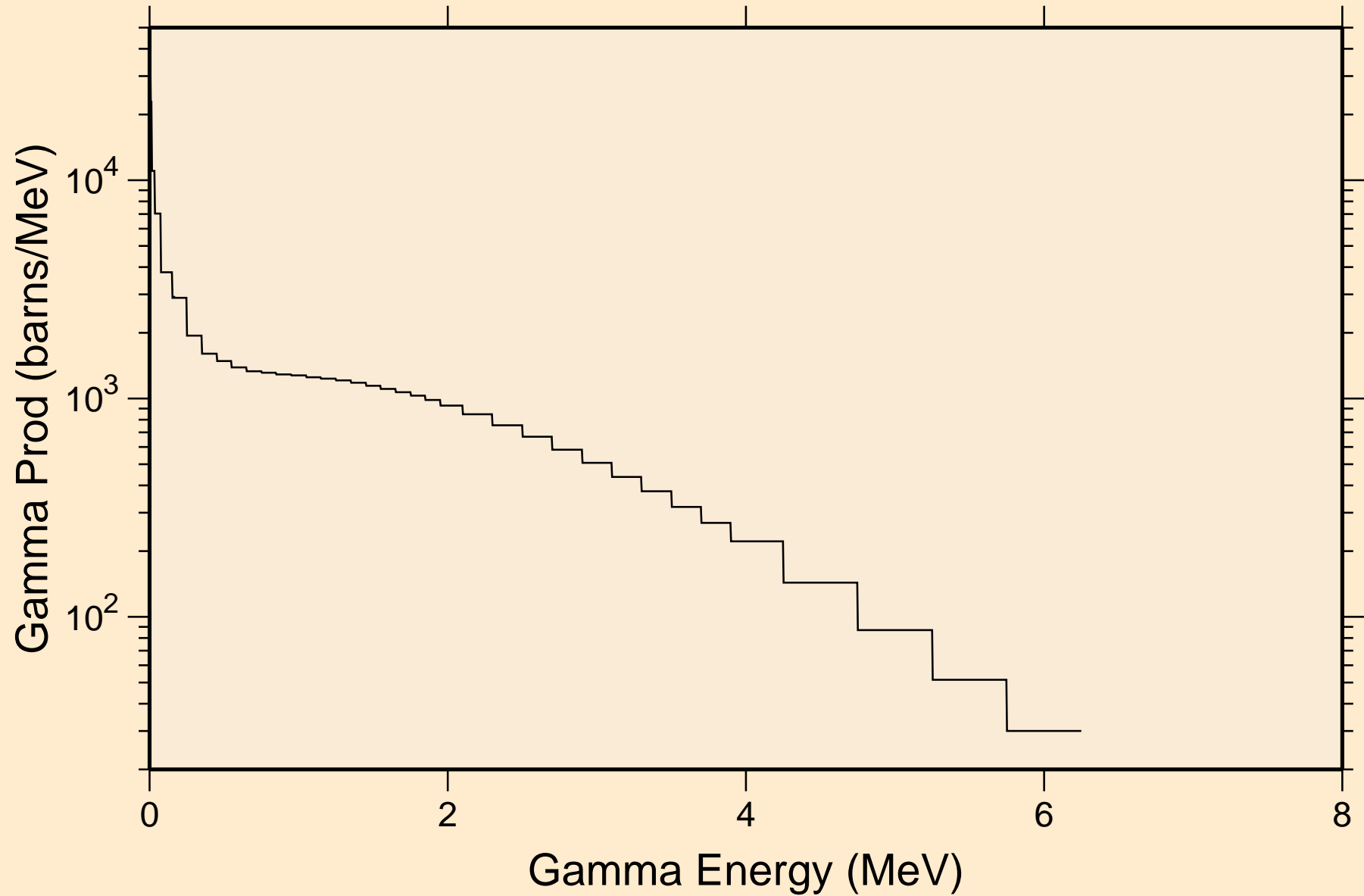
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Photon emission for (n,pt)



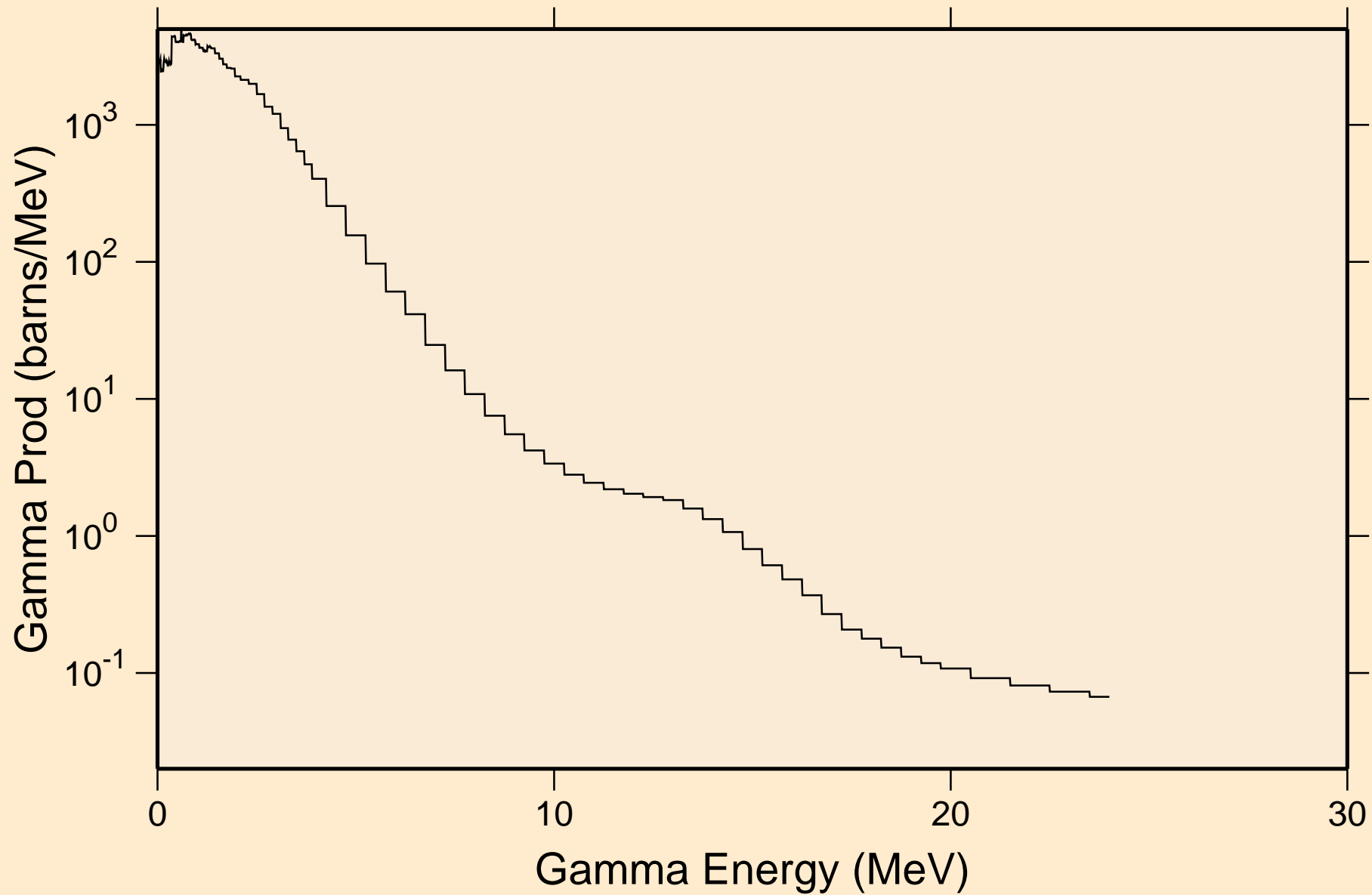
LU157M NRG TENDL-2015, AKONING  
Photon emission for (n,da)



LU157M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

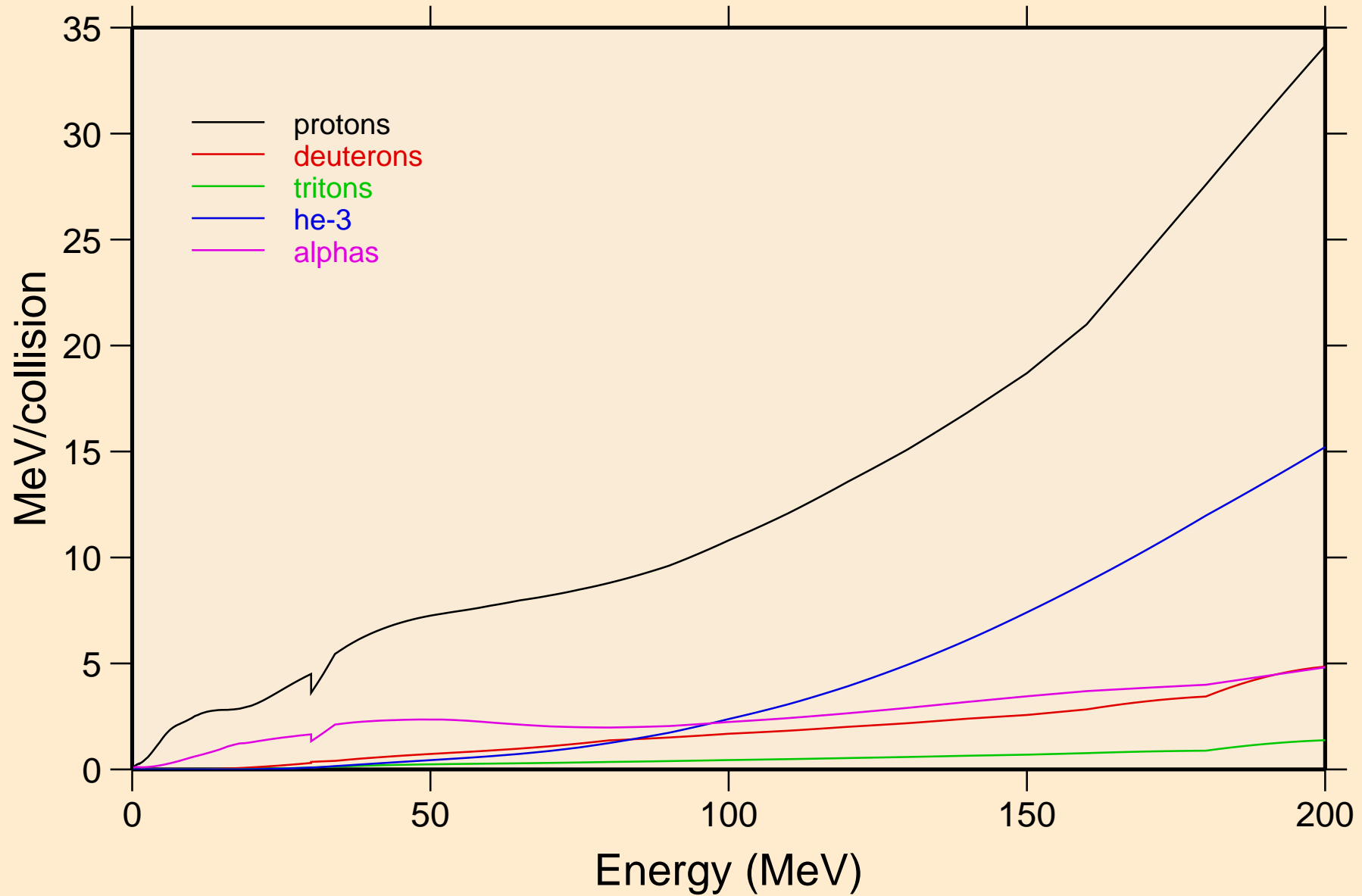


LU157M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



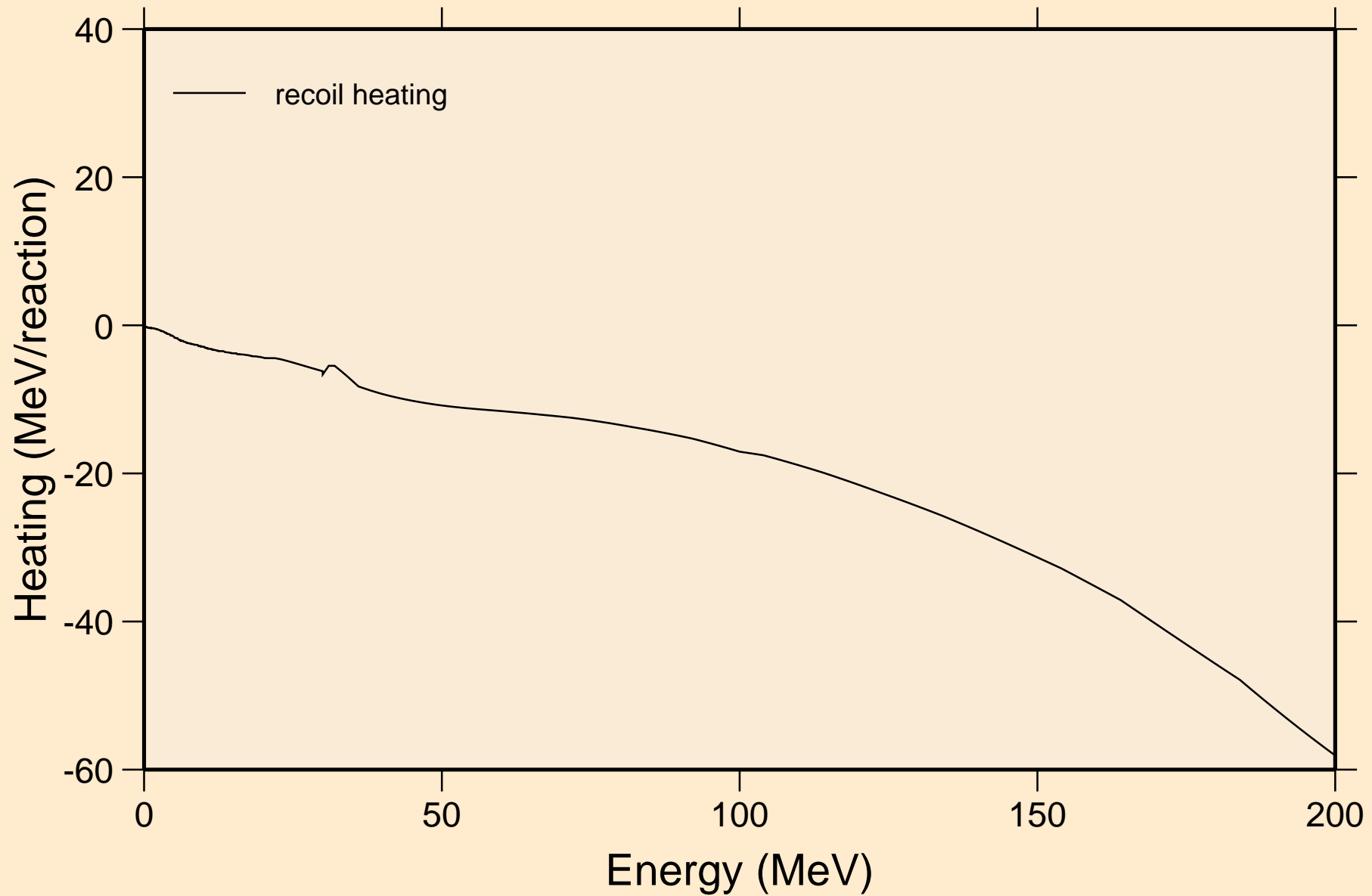
# LU157M NRG TENDL-2015, AKONING

## Particle heating contributions



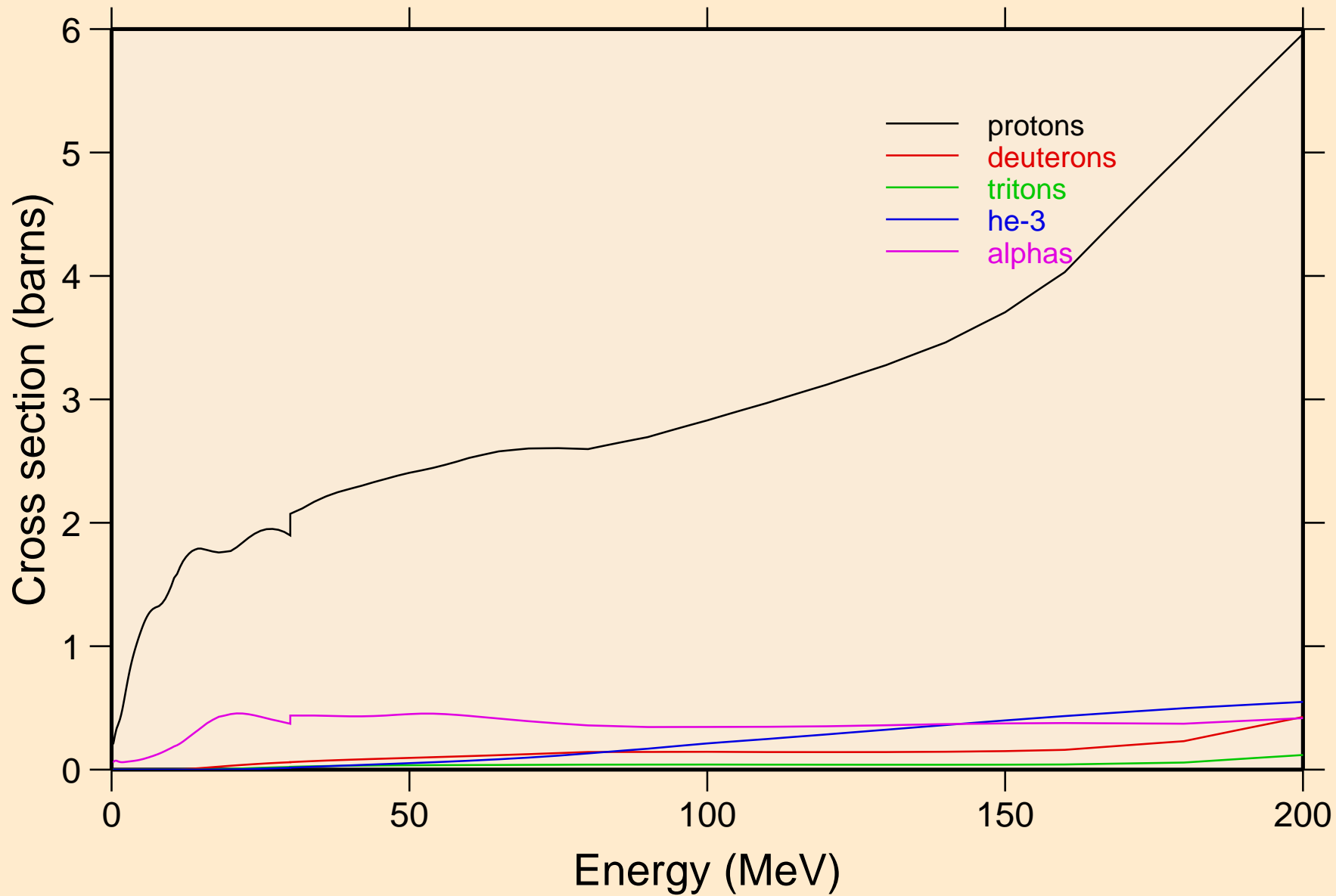
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## Recoil Heating

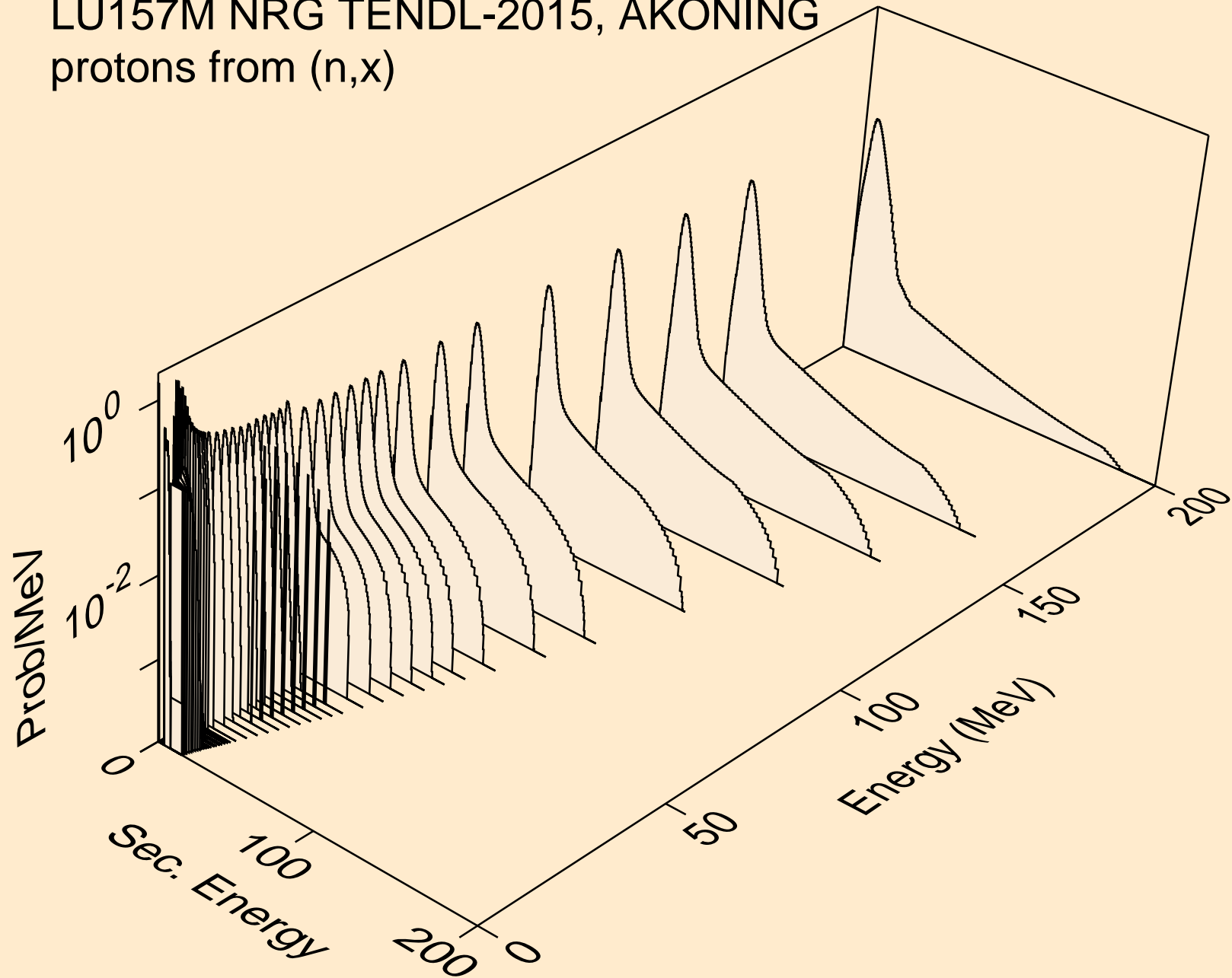




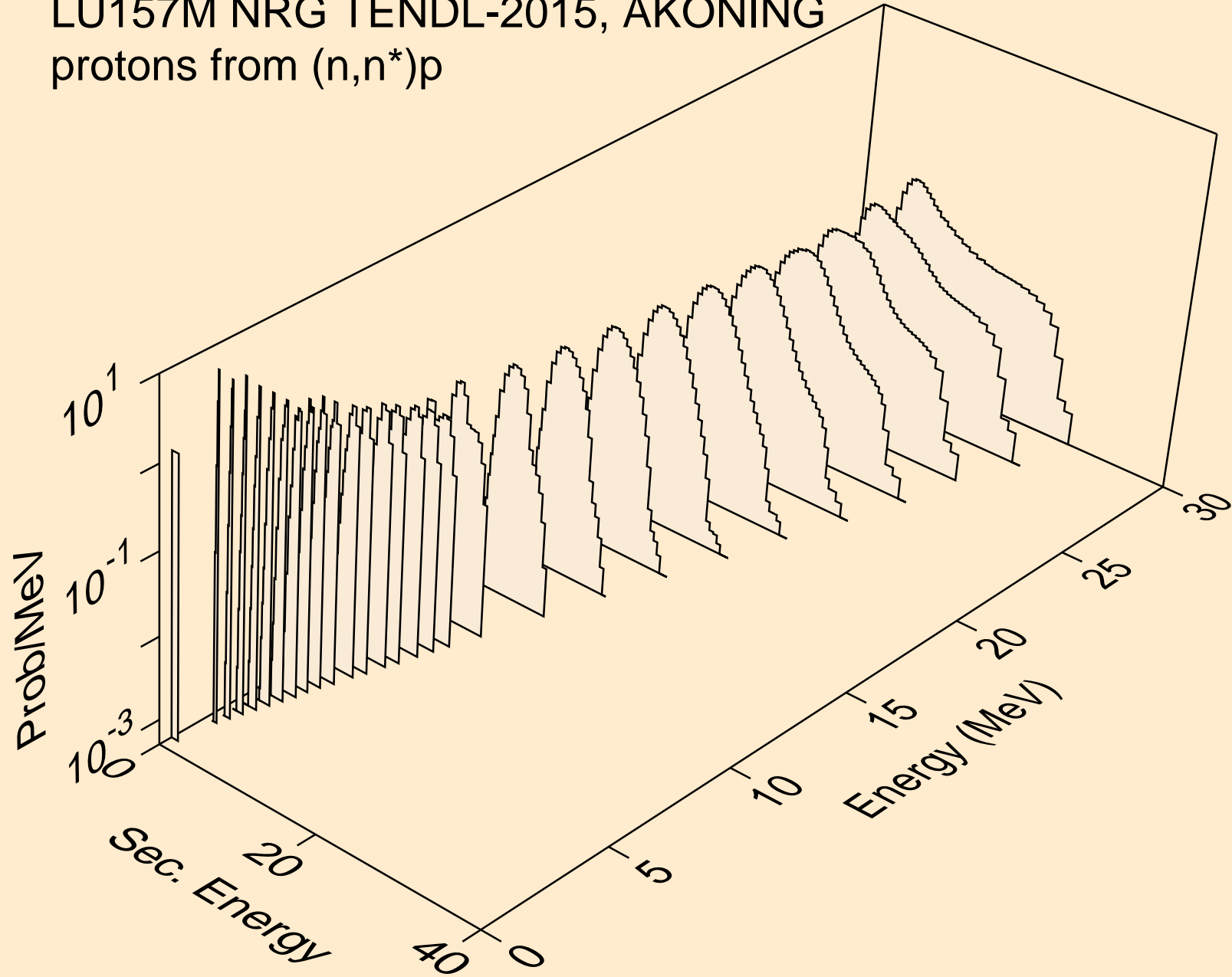
LU157M NRG TENDL-2015, AKONING  
Particle production cross sections



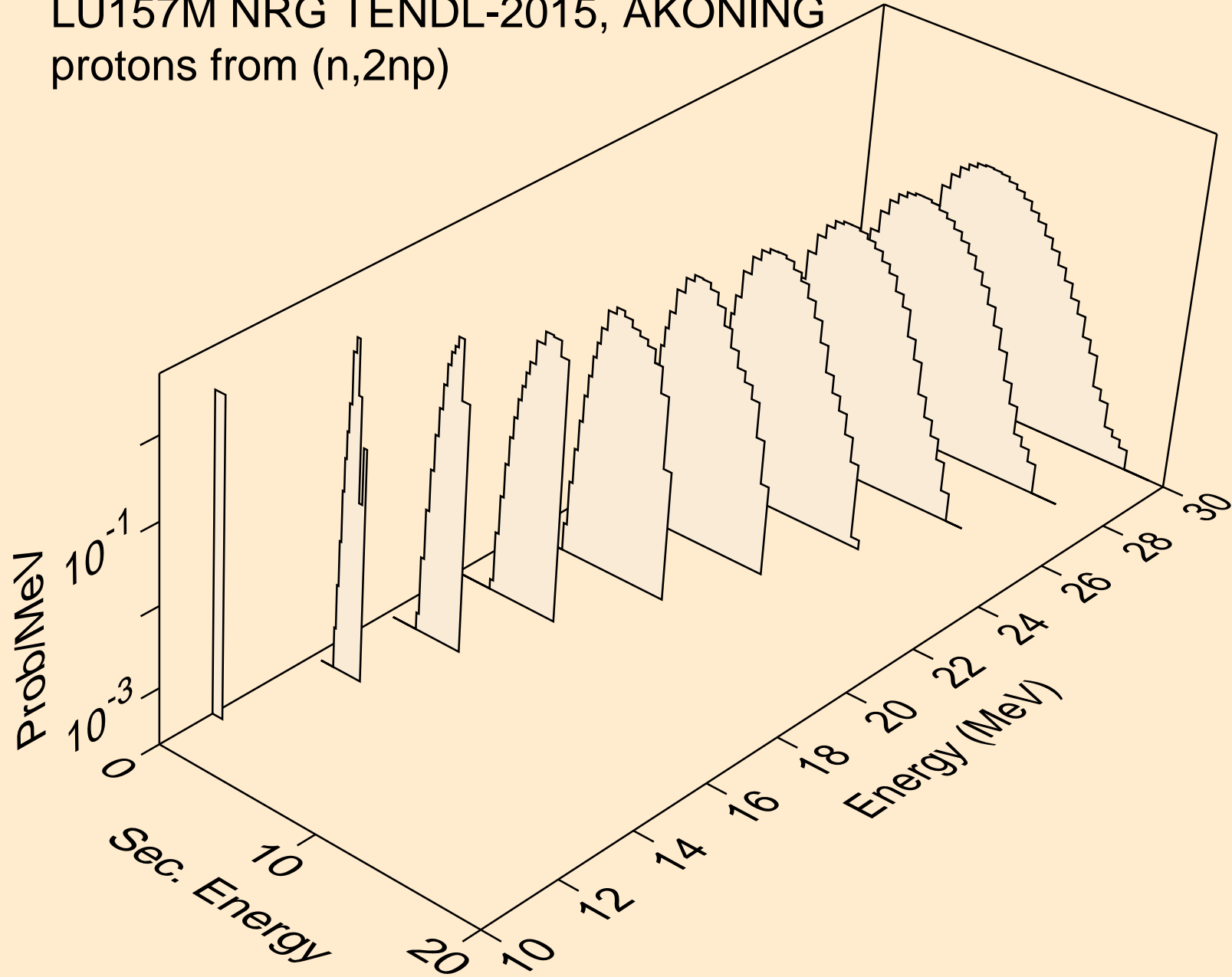
LU157M NRG TENDL-2015, AKONING  
protons from (n,x)



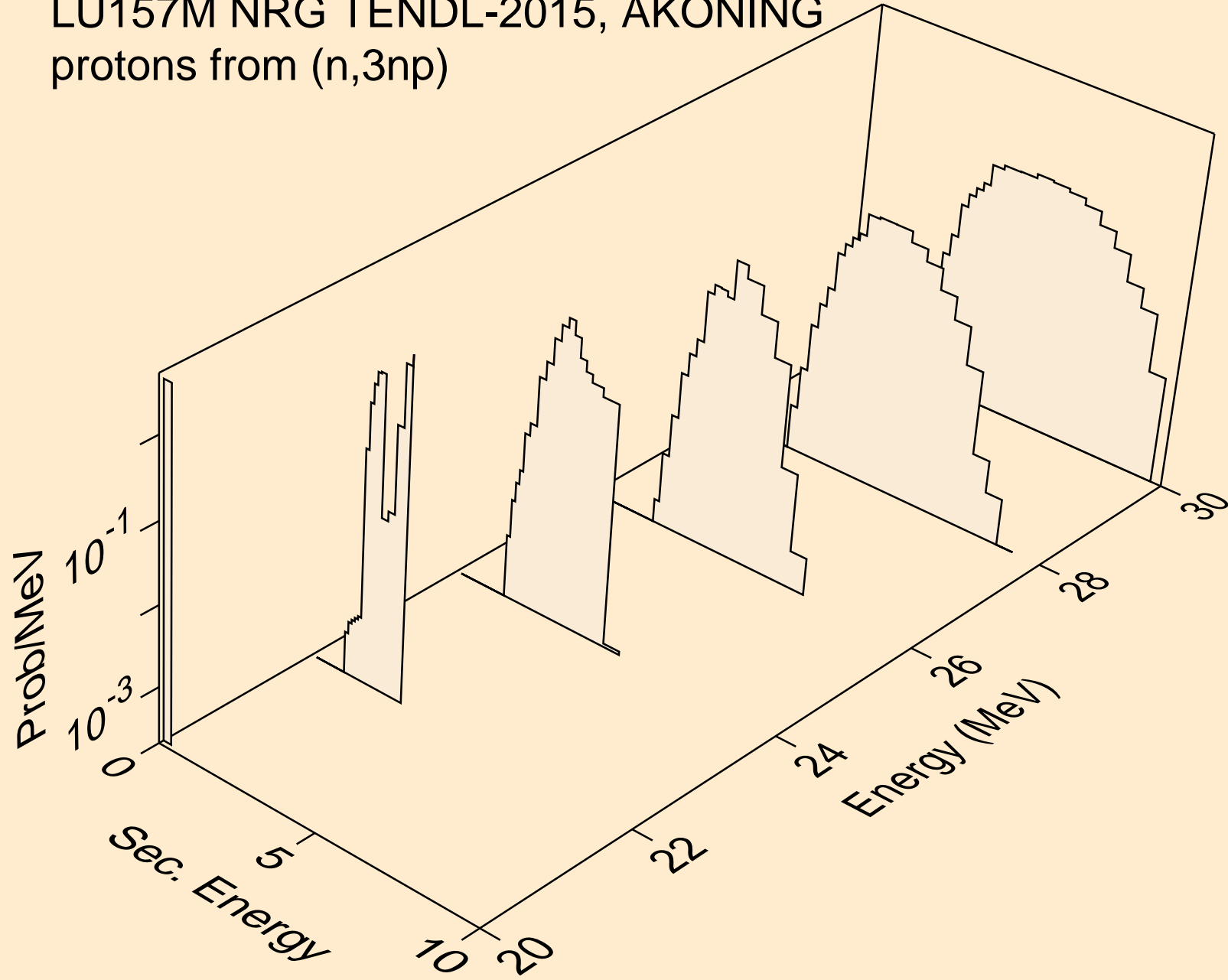
LU157M NRG TENDL-2015, AKONING  
protons from (n,n\*)p



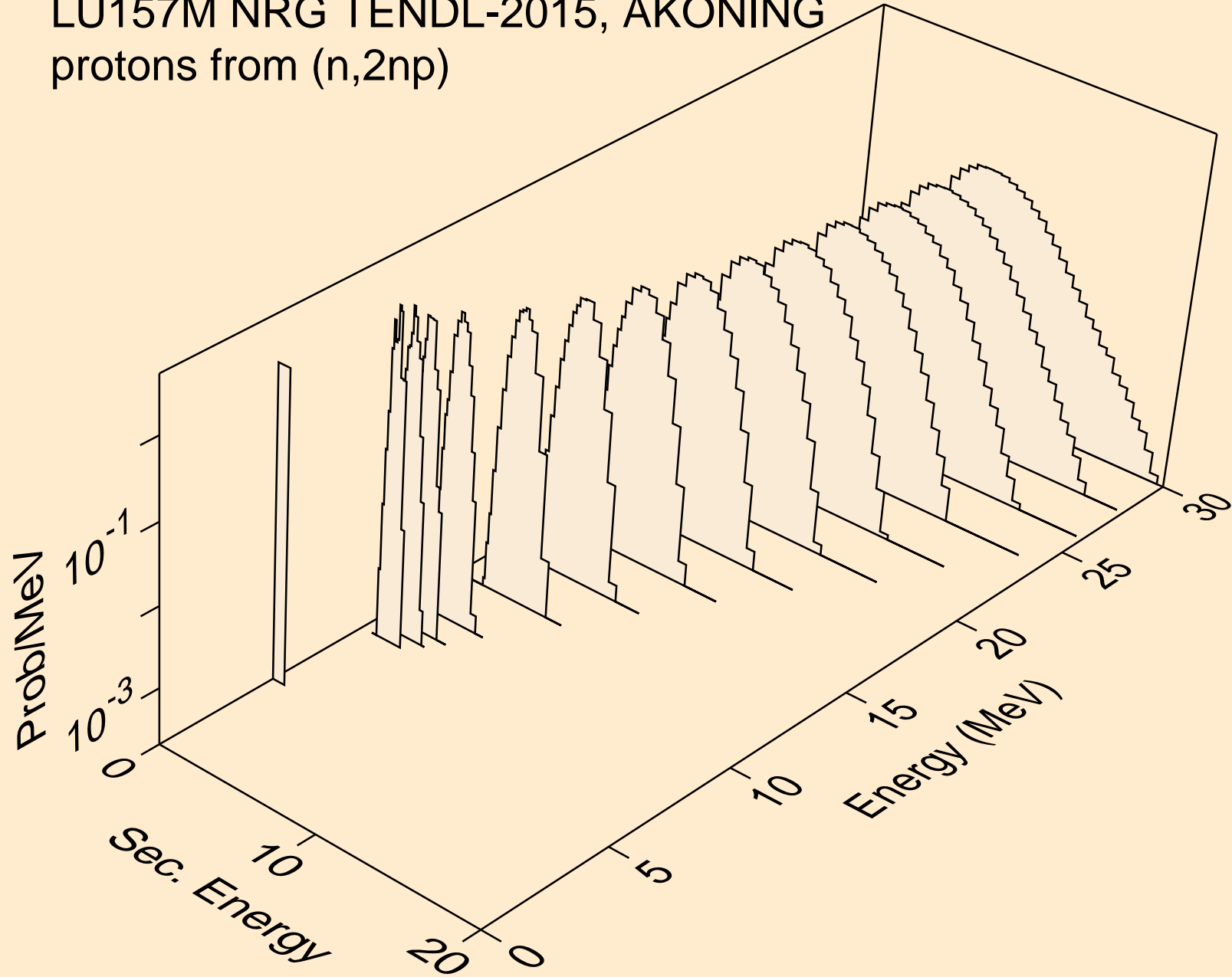
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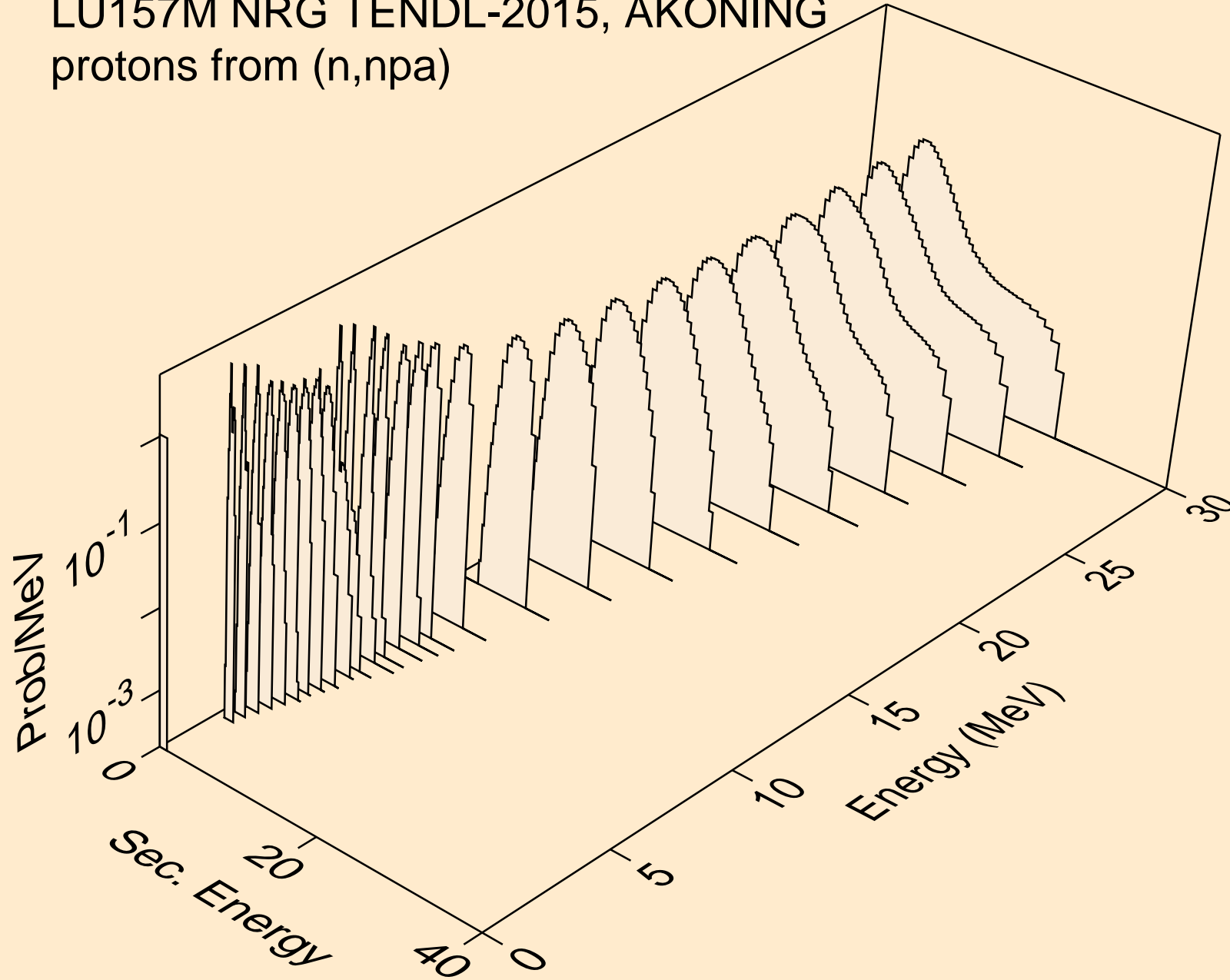
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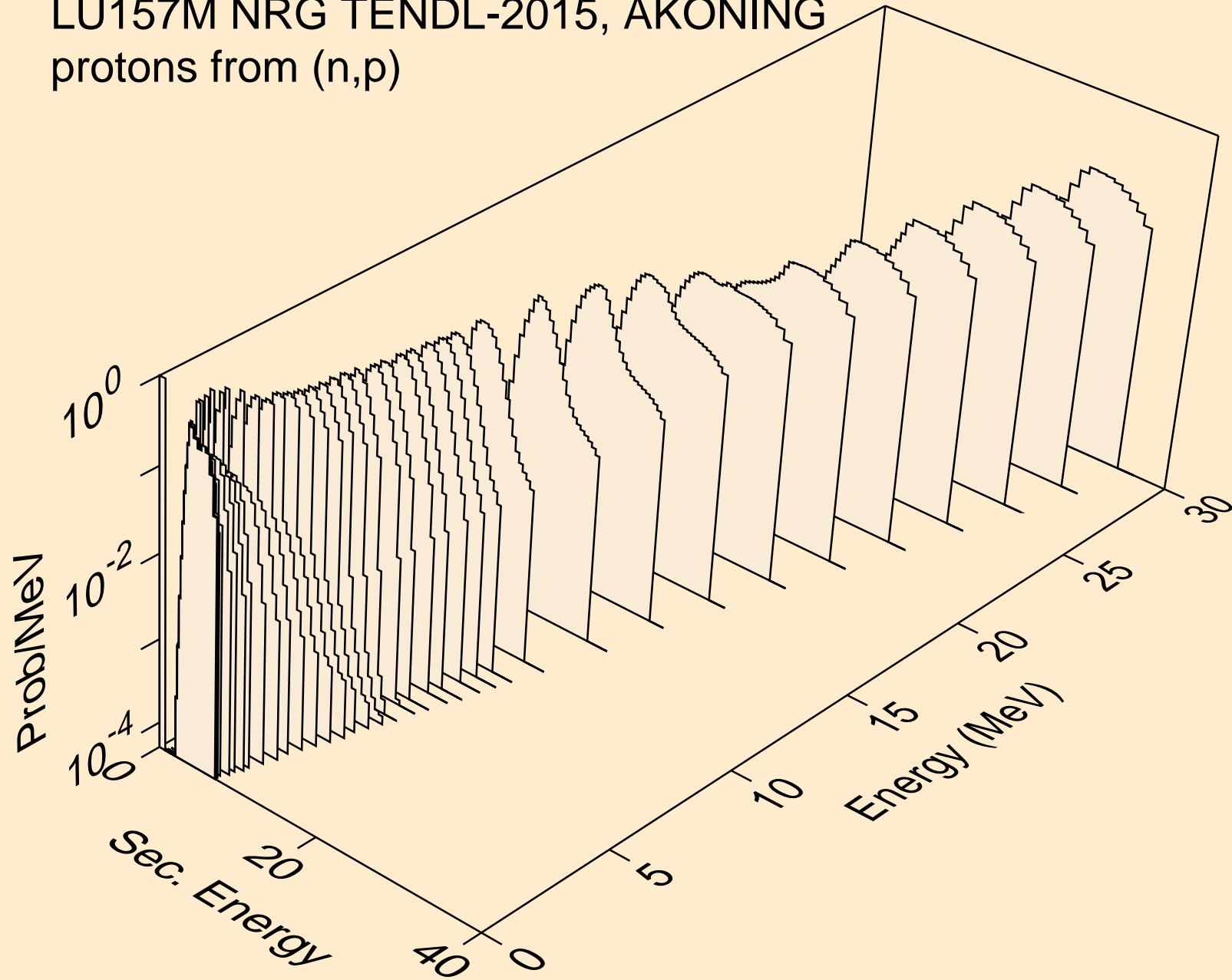
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protons from (n,2np)



LU157M NRG TENDL-2015, AKONING  
protons from (n,npa)

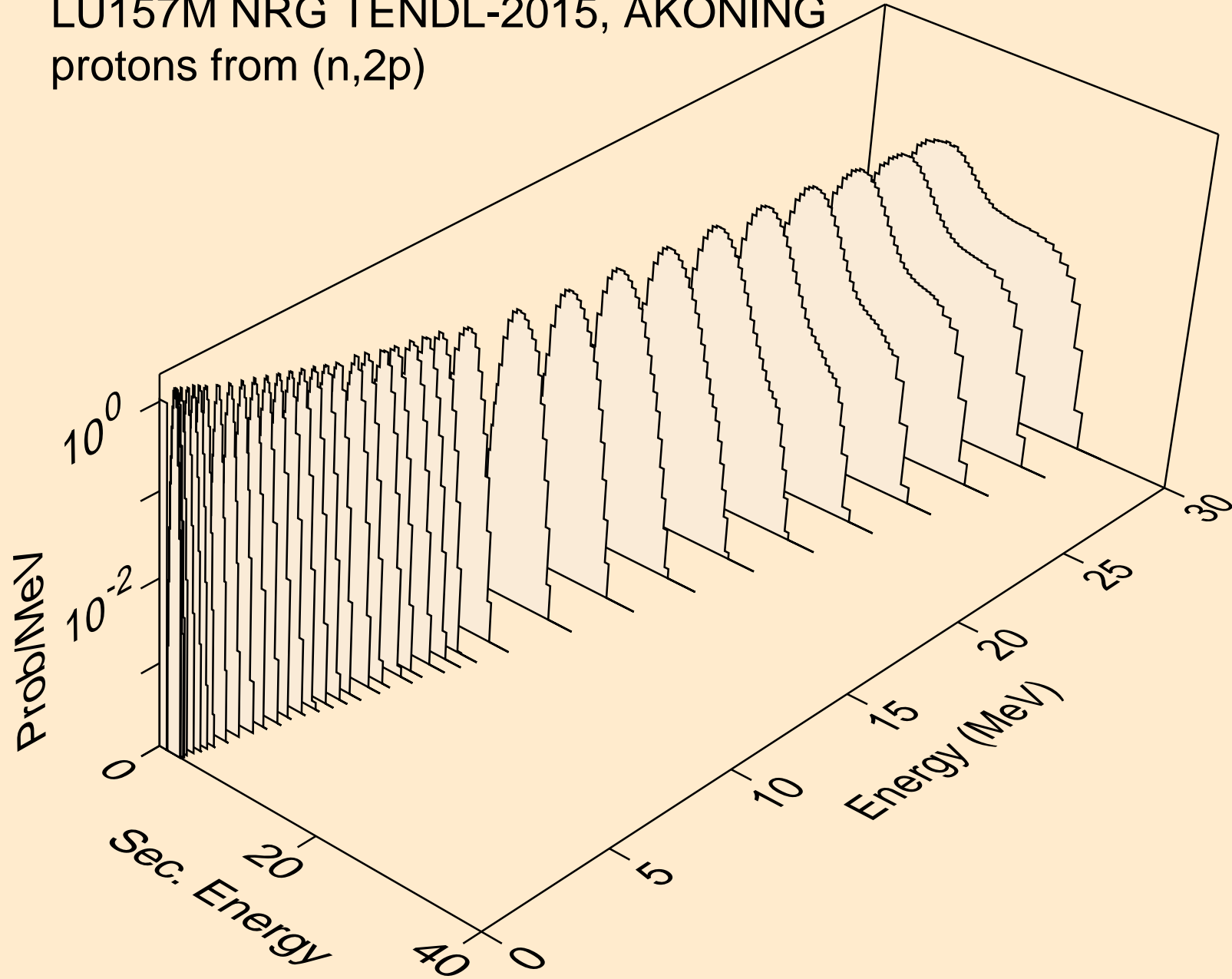


LU157M NRG TENDL-2015, AKONING  
protons from (n,p)

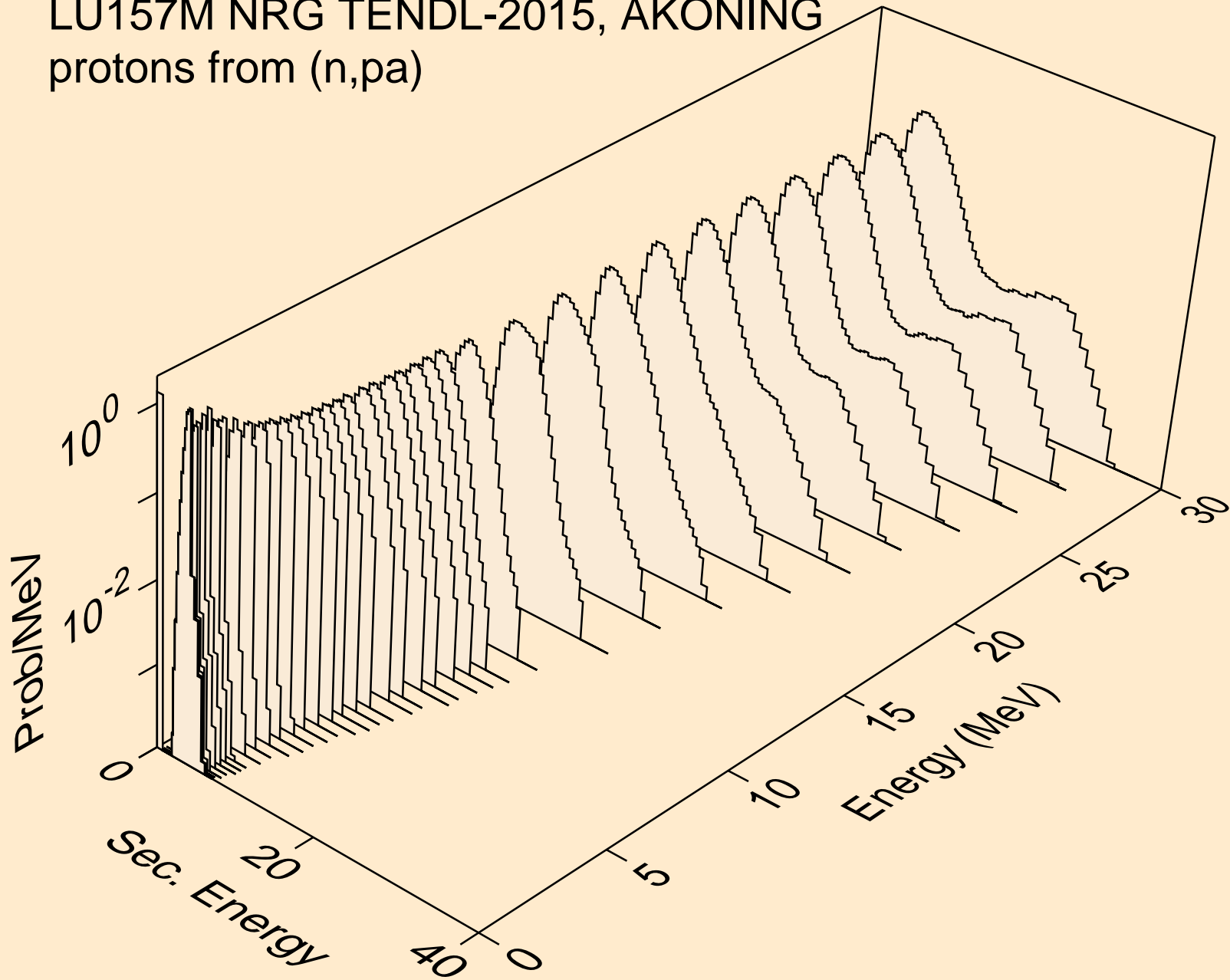




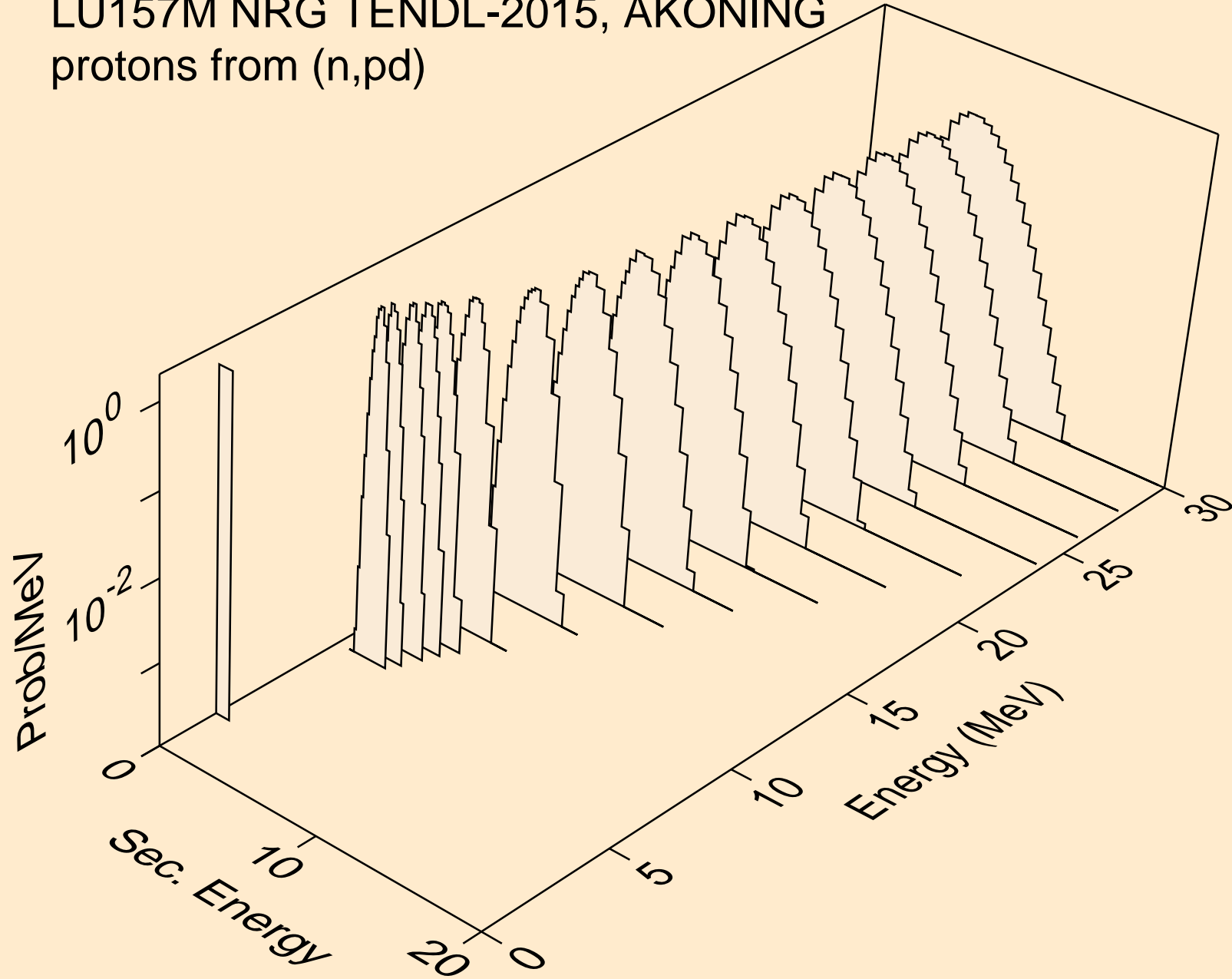
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protons from (n,2p)



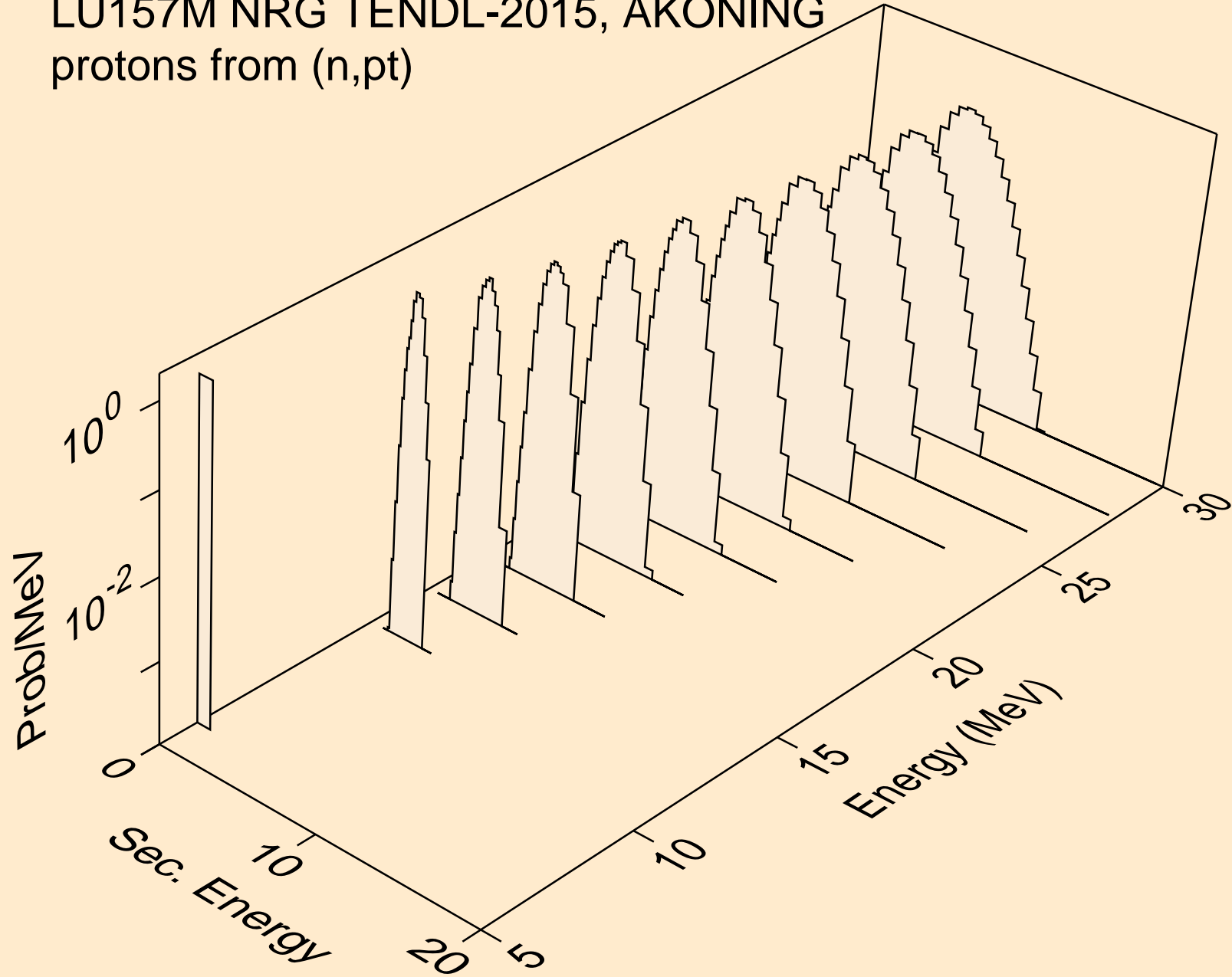
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protons from (n,pa)



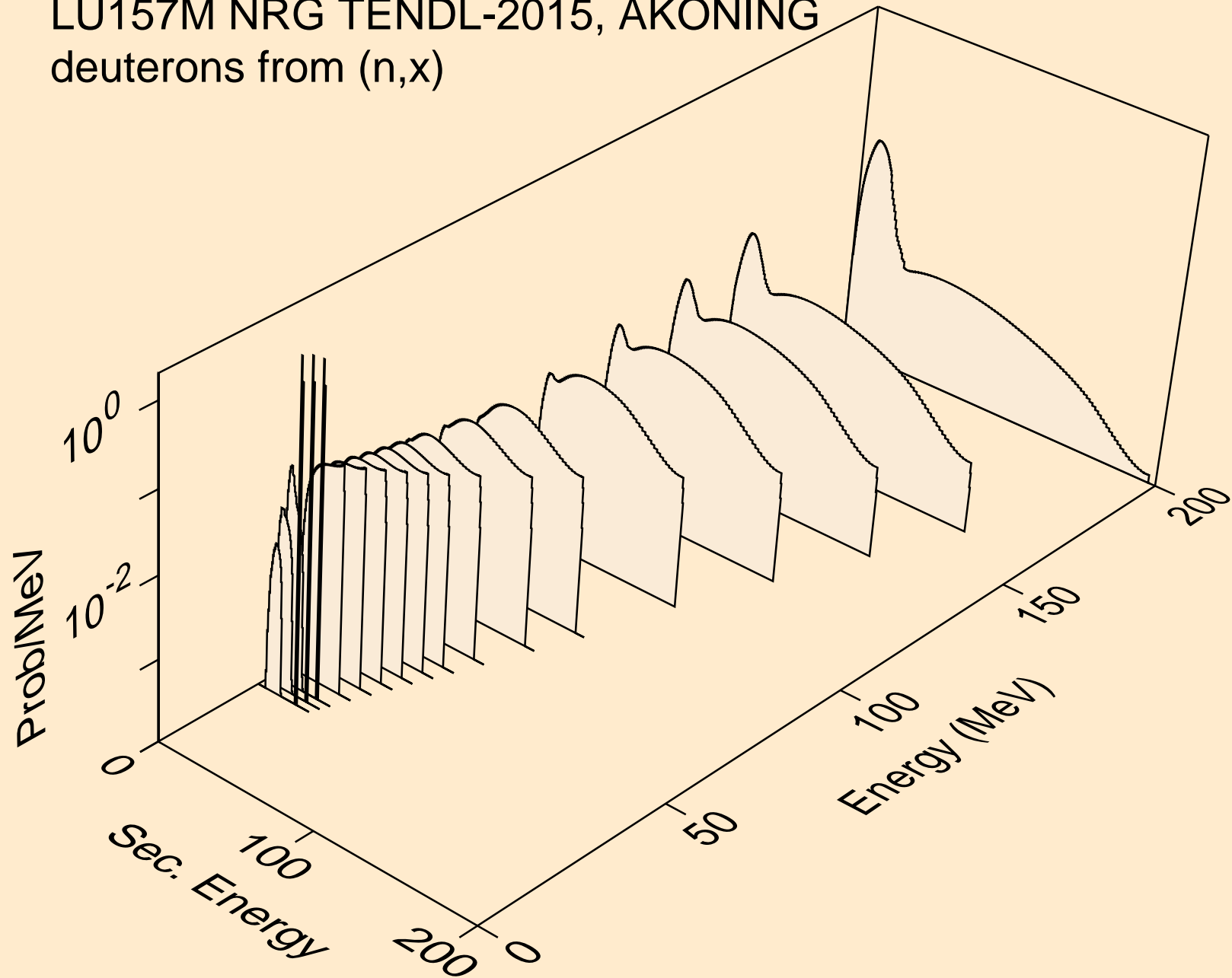
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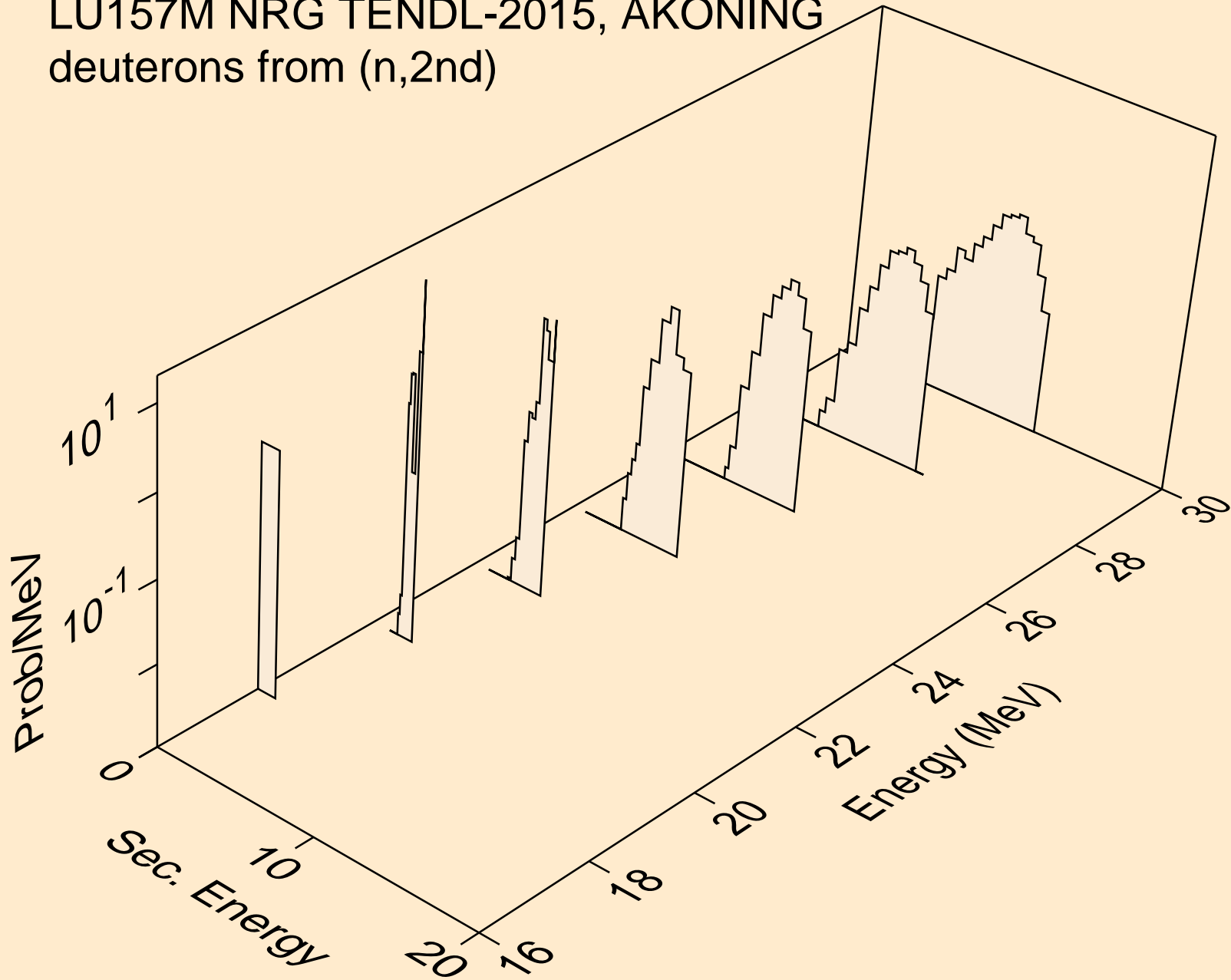
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protons from (n,pt)



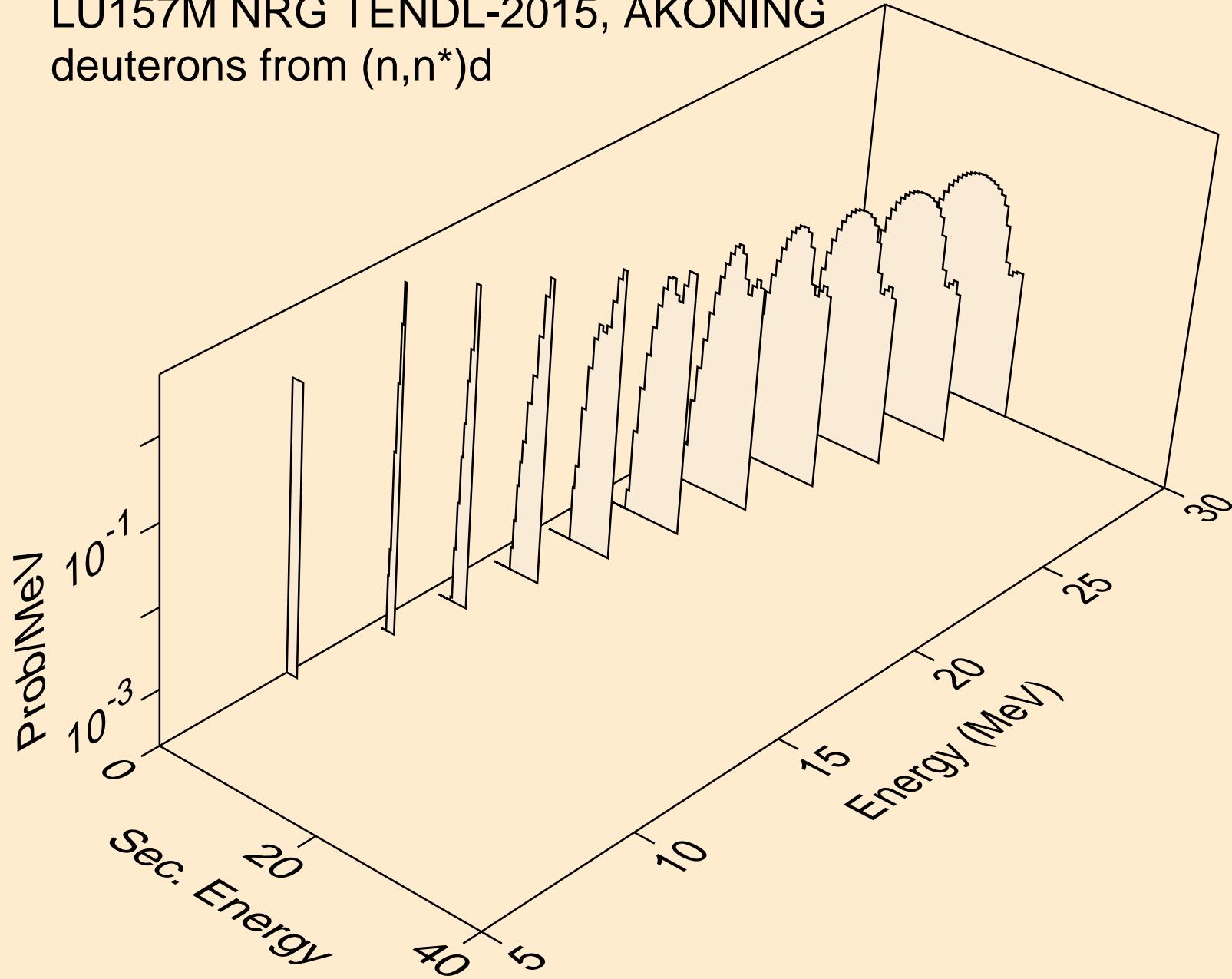
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deuterons from (n,x)



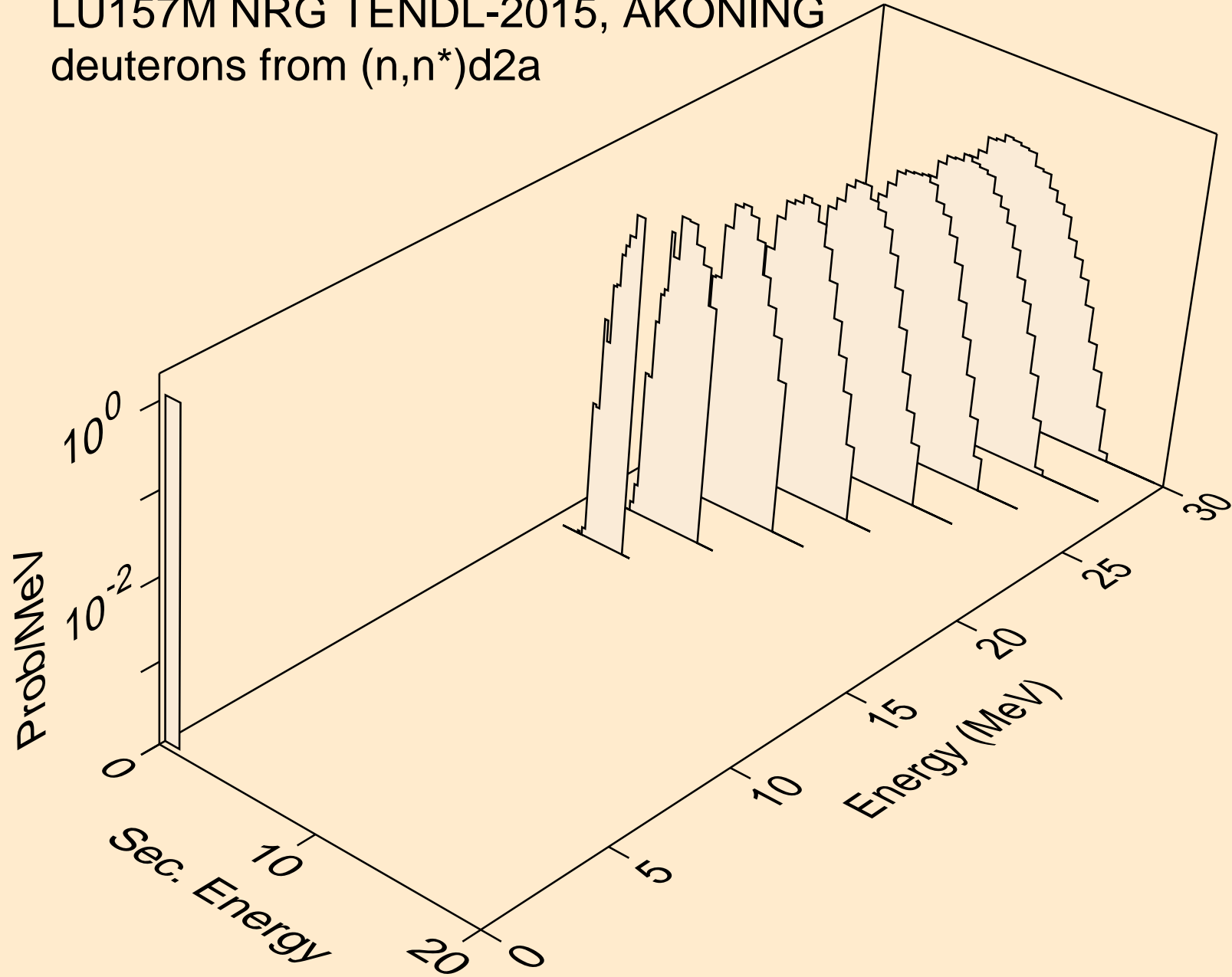
LU157M NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



LU157M NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

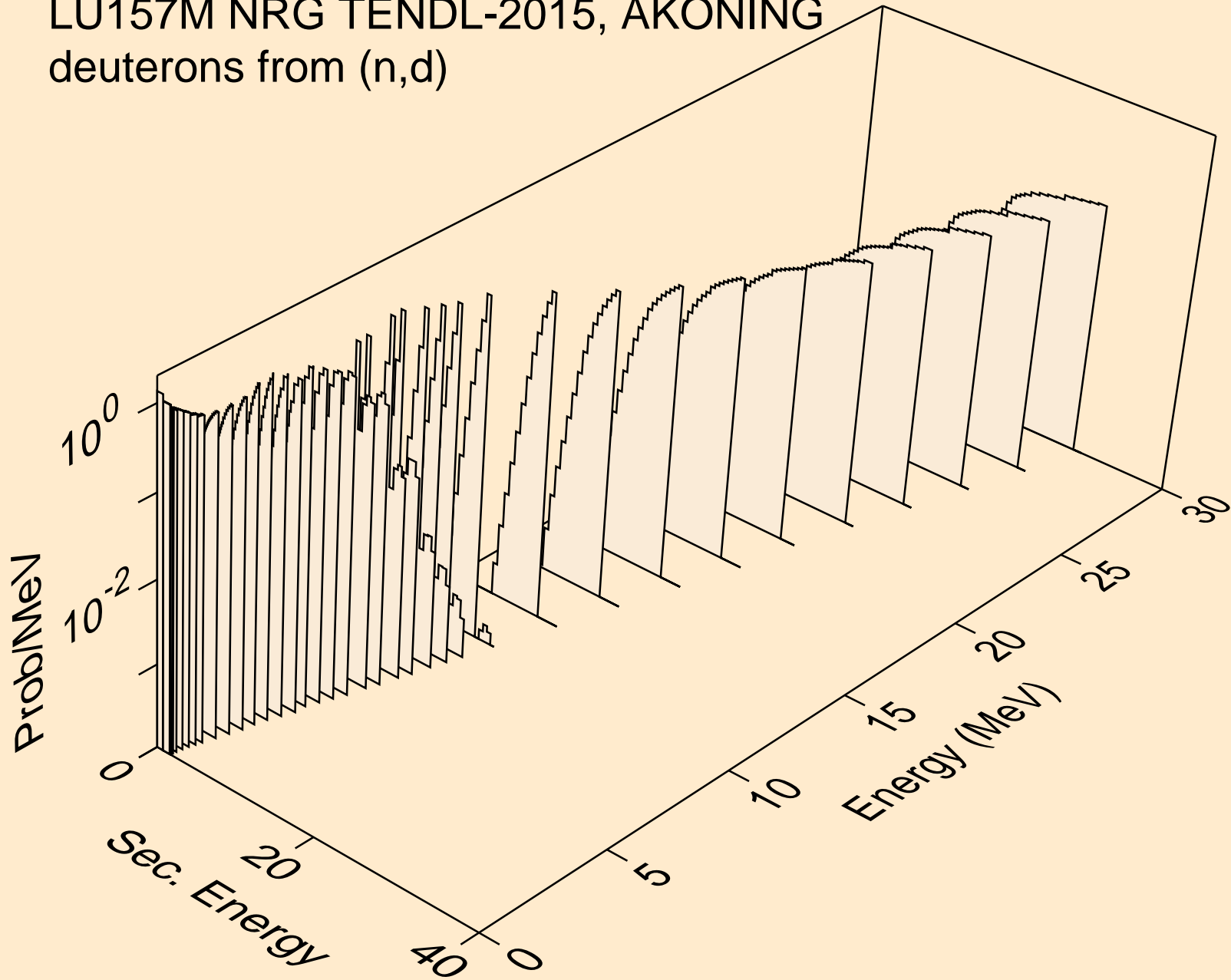


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deuterons from (n,n\*)d2a

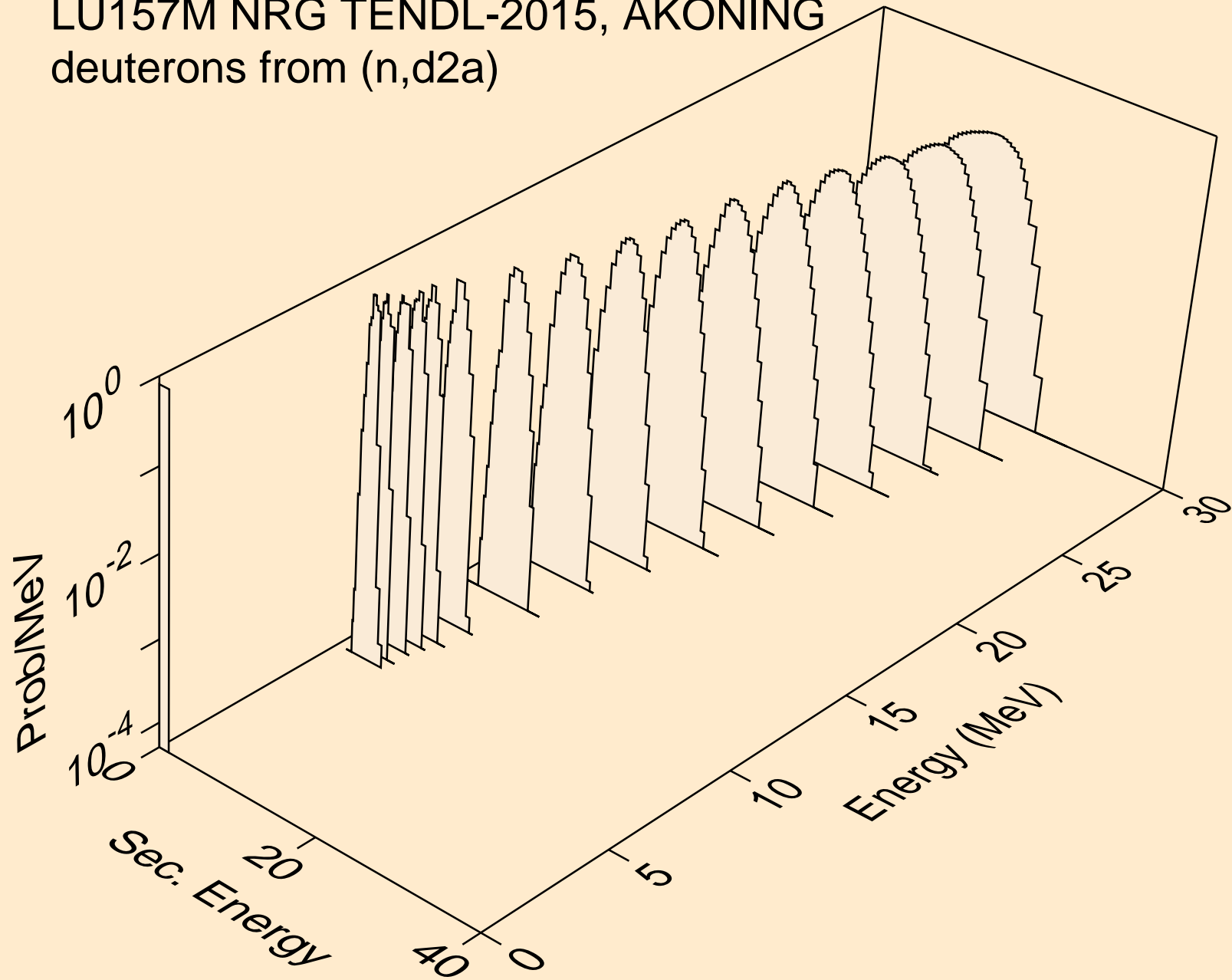




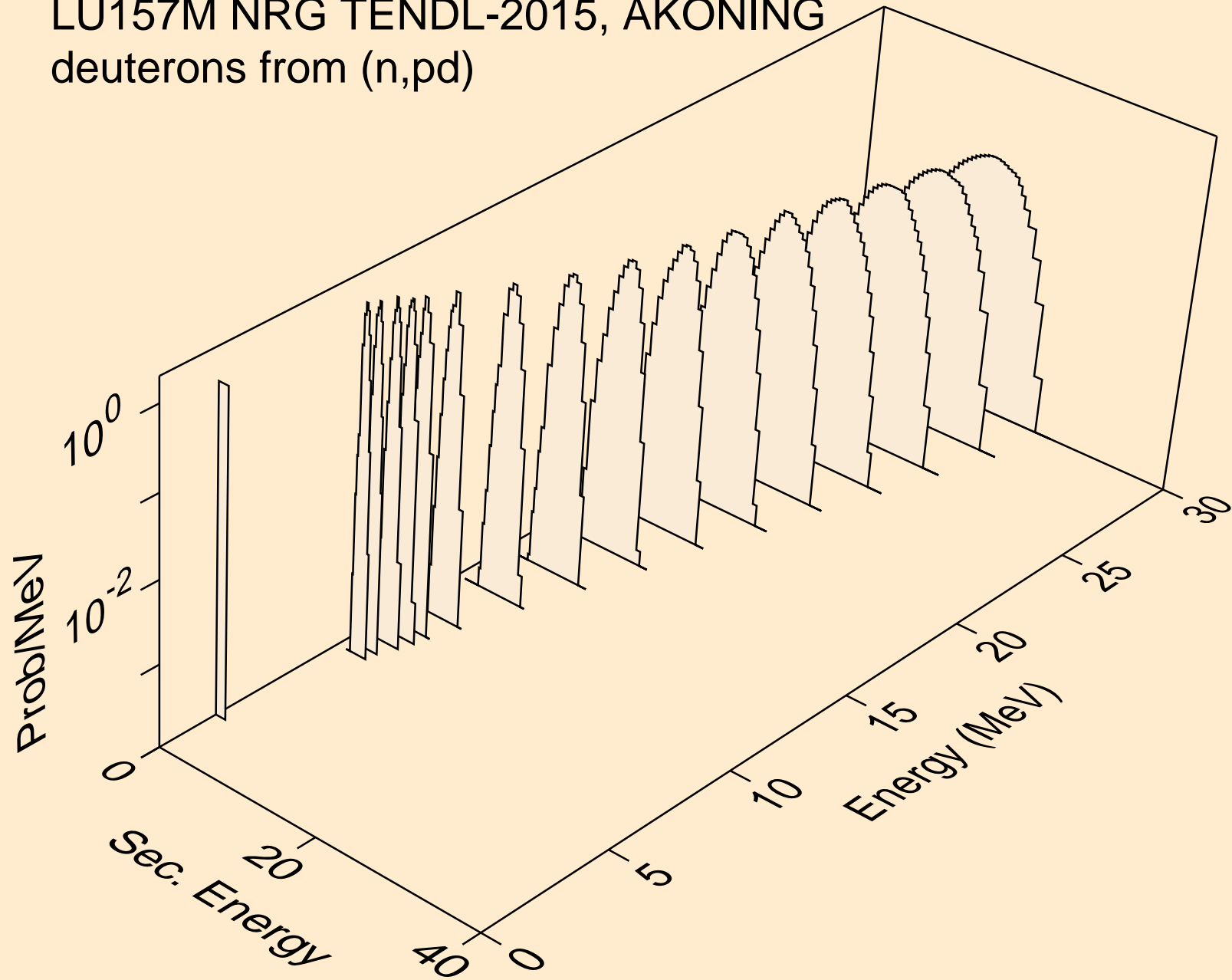
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deuterons from (n,d)



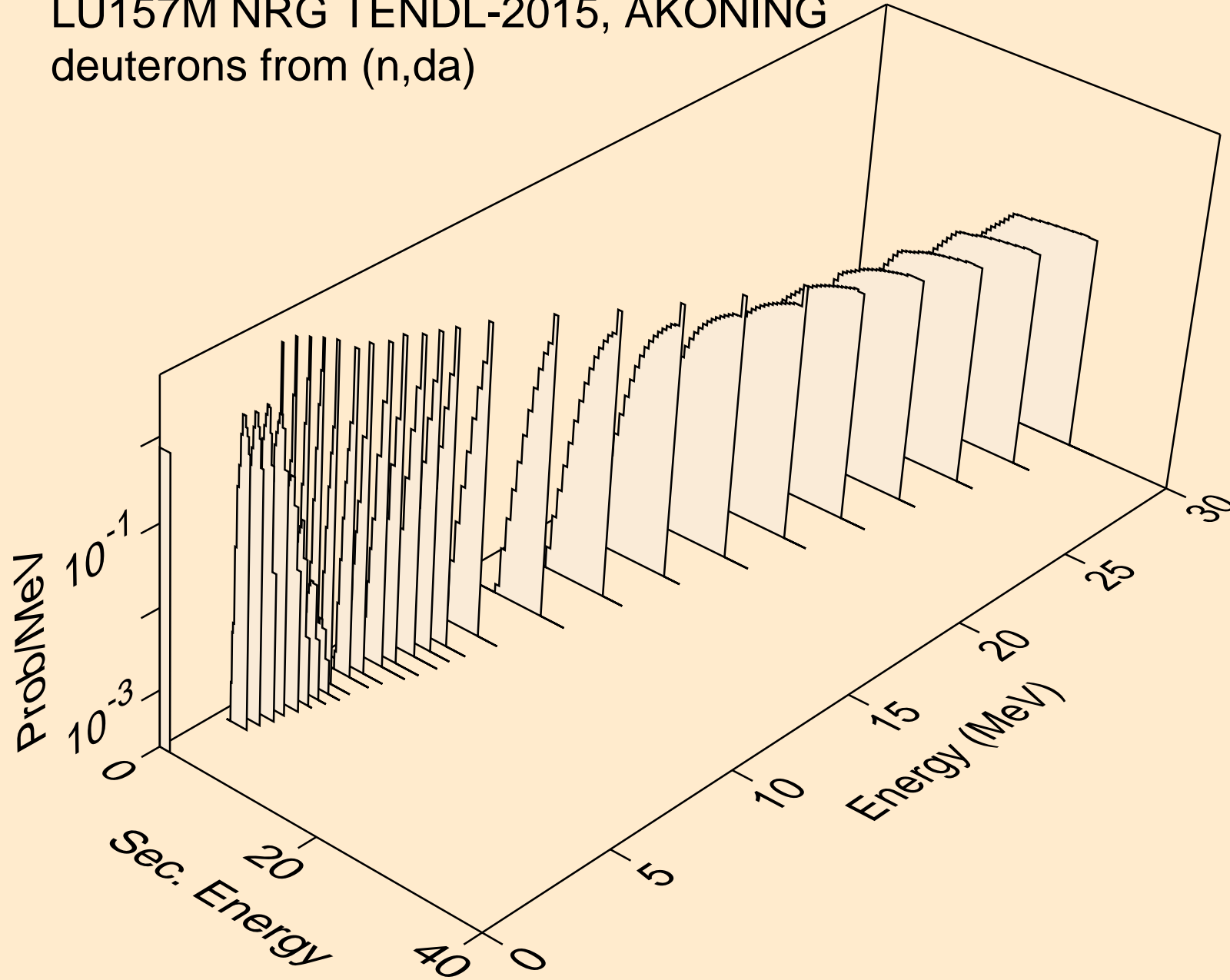
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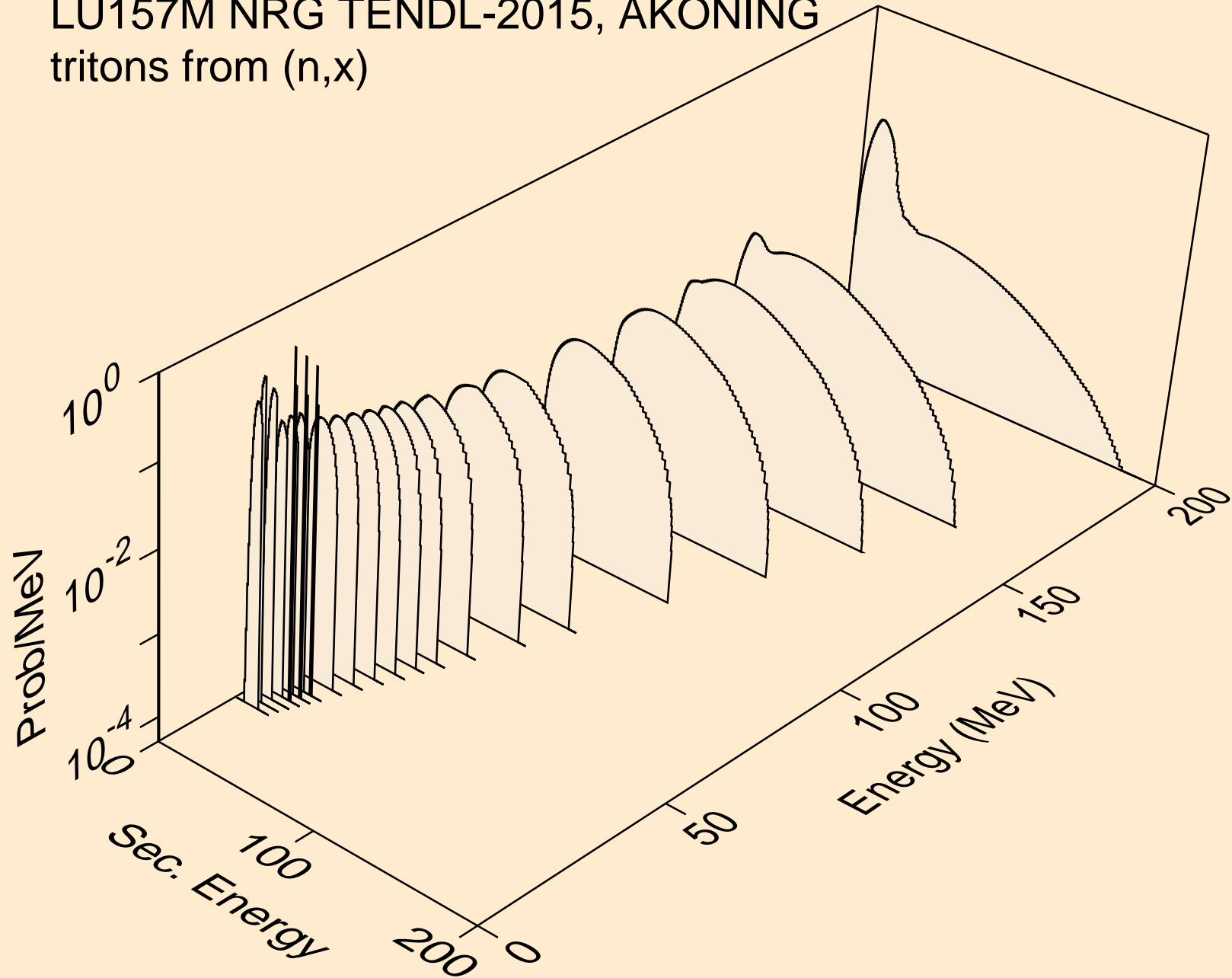
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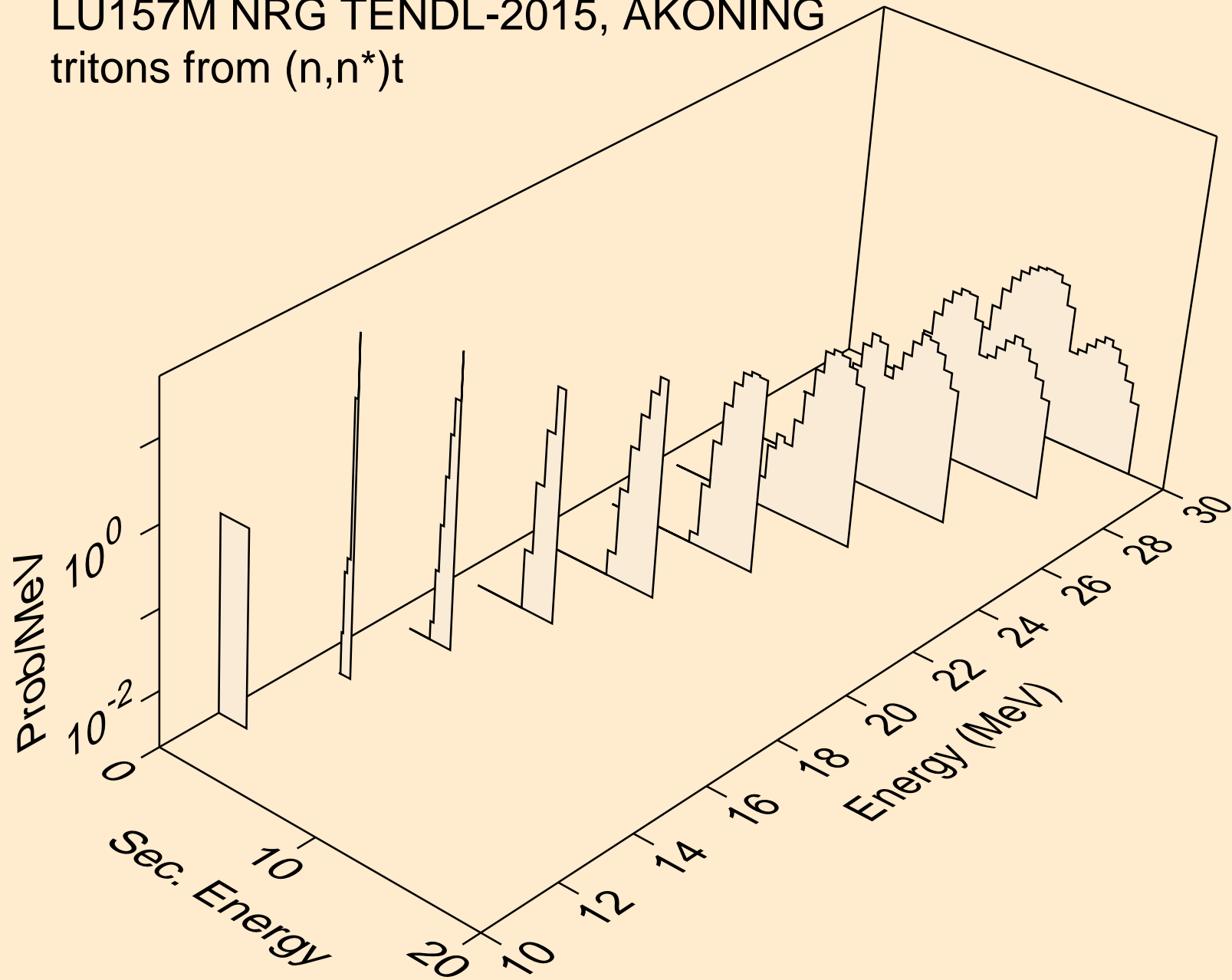
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deuterons from (n,da)



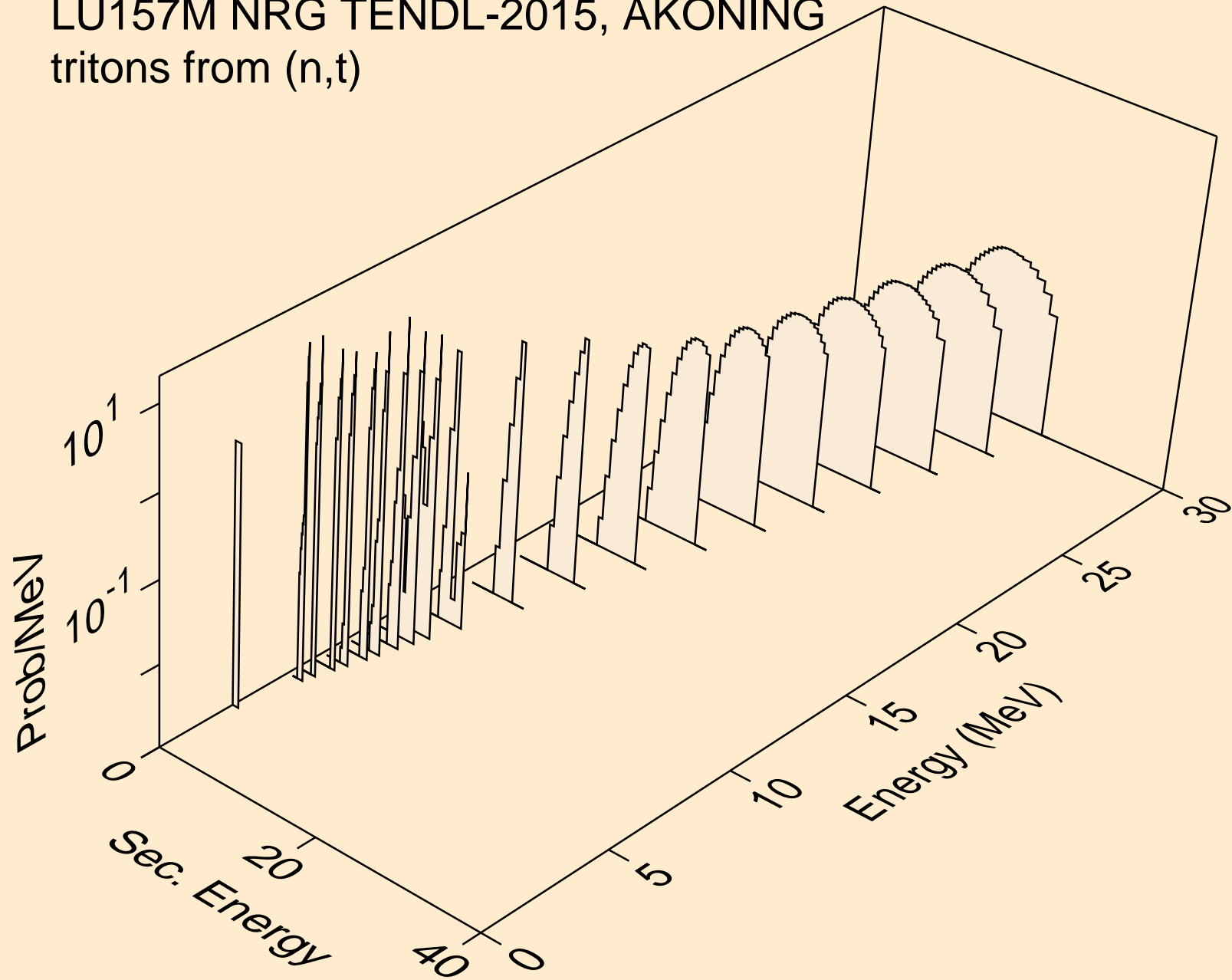
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tritons from (n,x)



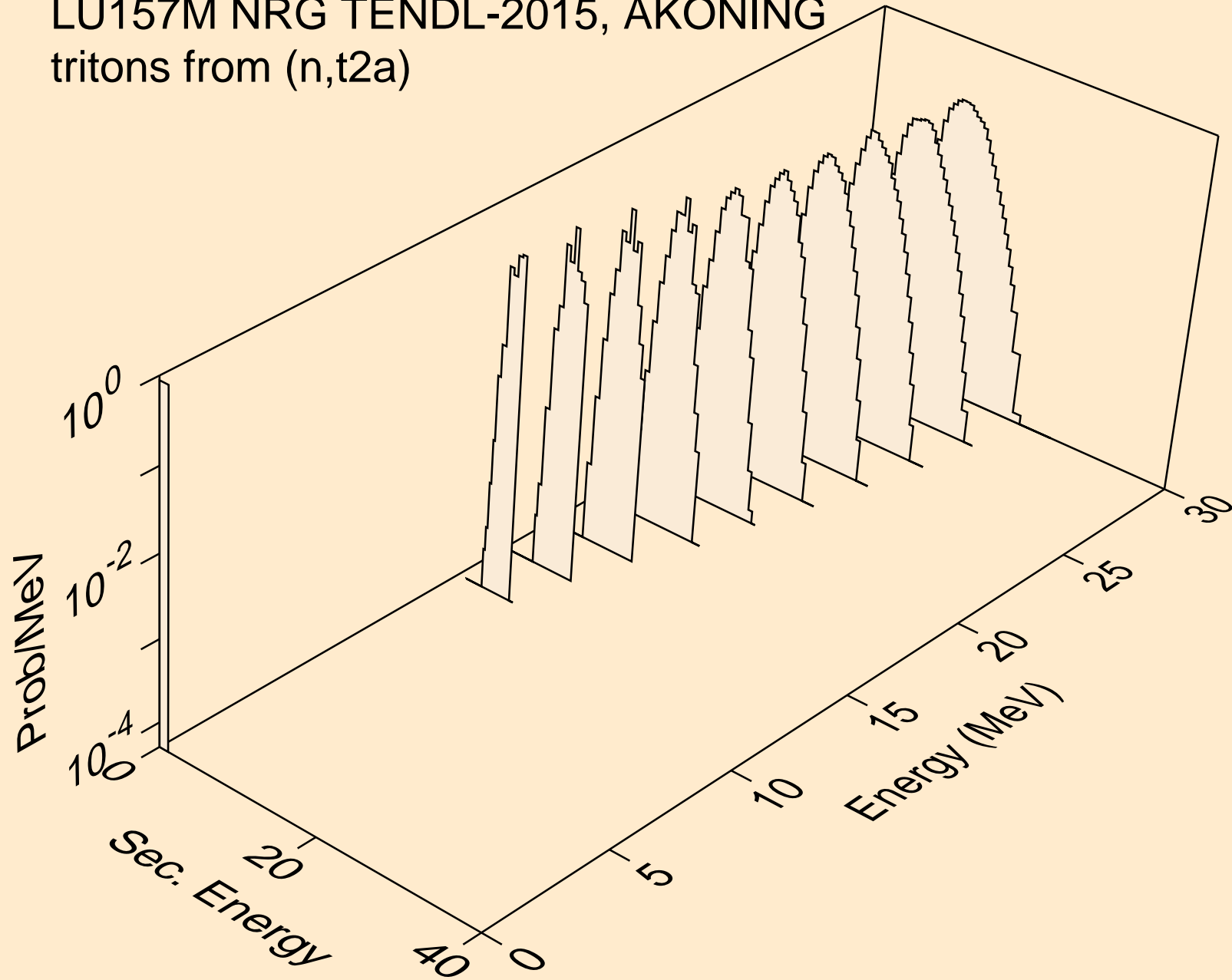
LU157M NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



LU157M NRG TENDL-2015, AKONING  
tritons from (n,t)

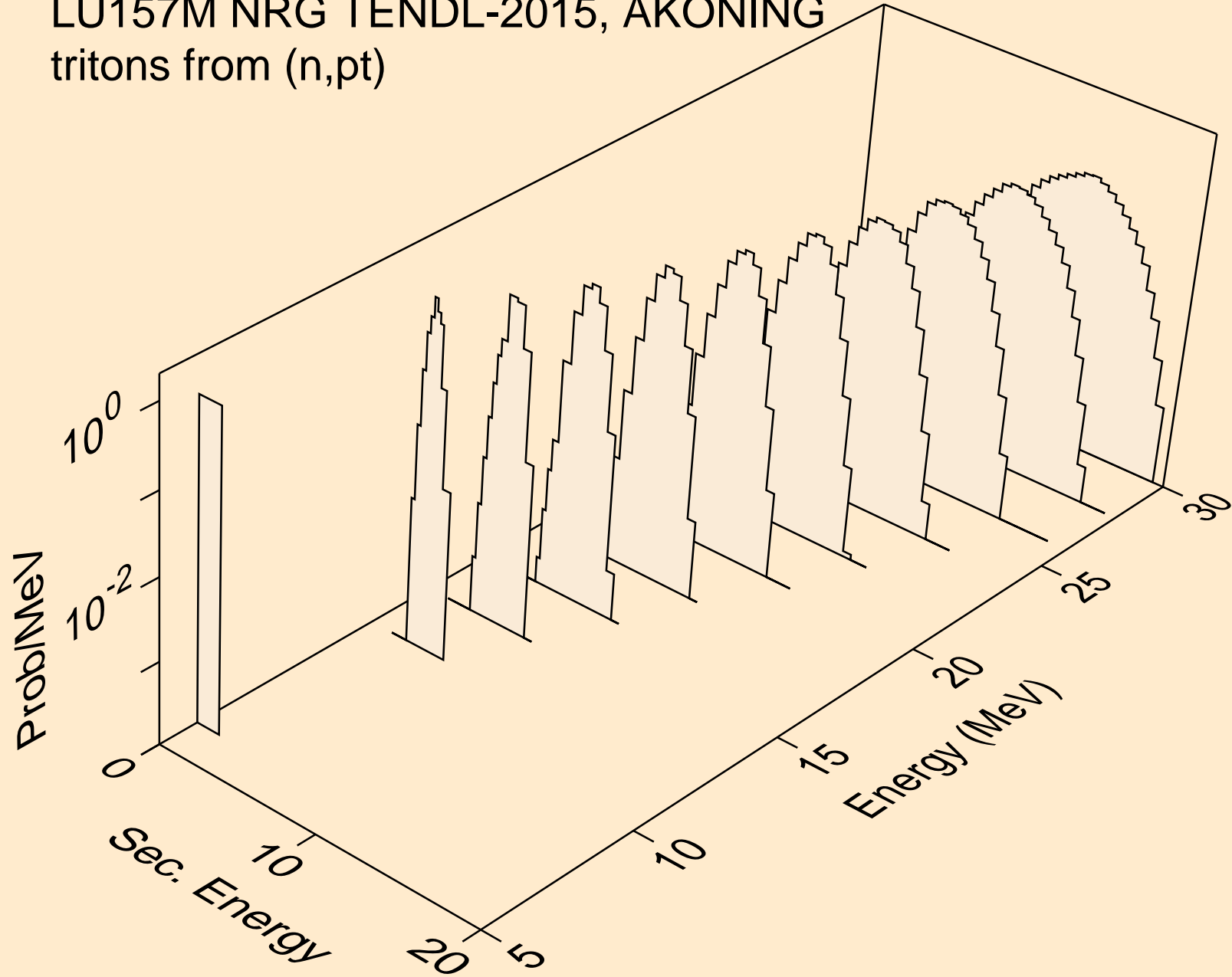


LU157M NRG TENDL-2015, AKONING  
tritons from (n,t2a)

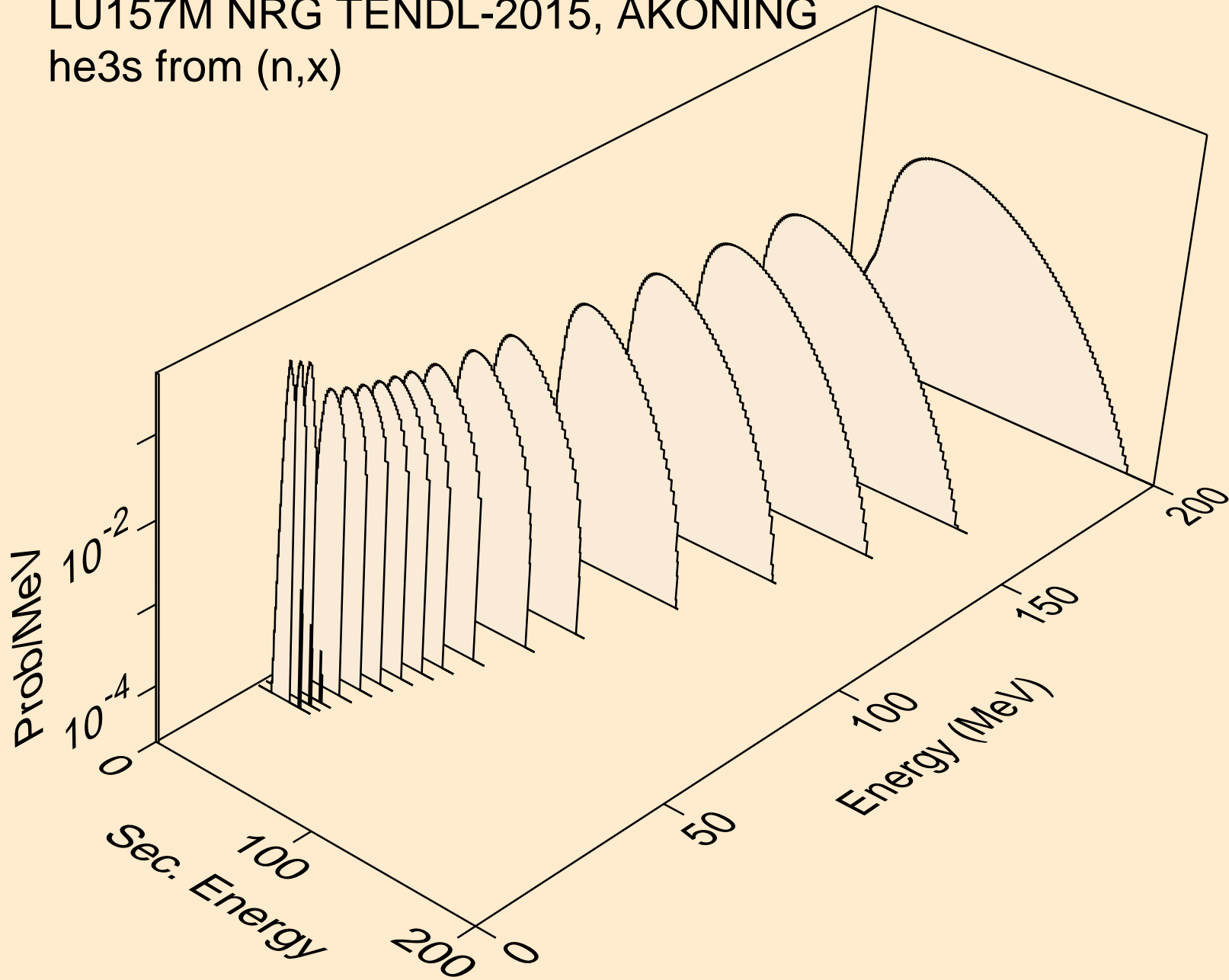




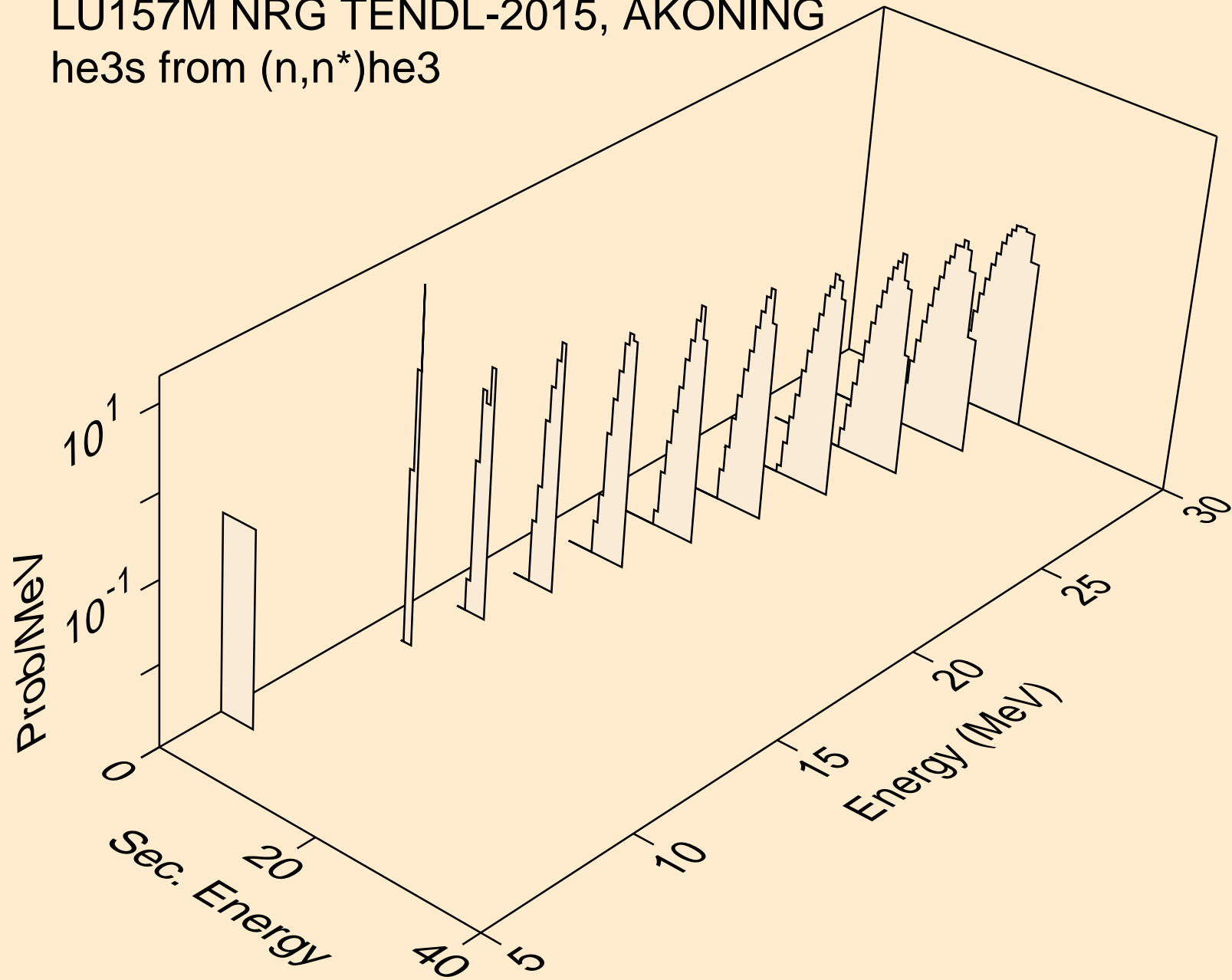
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tritons from (n,pt)



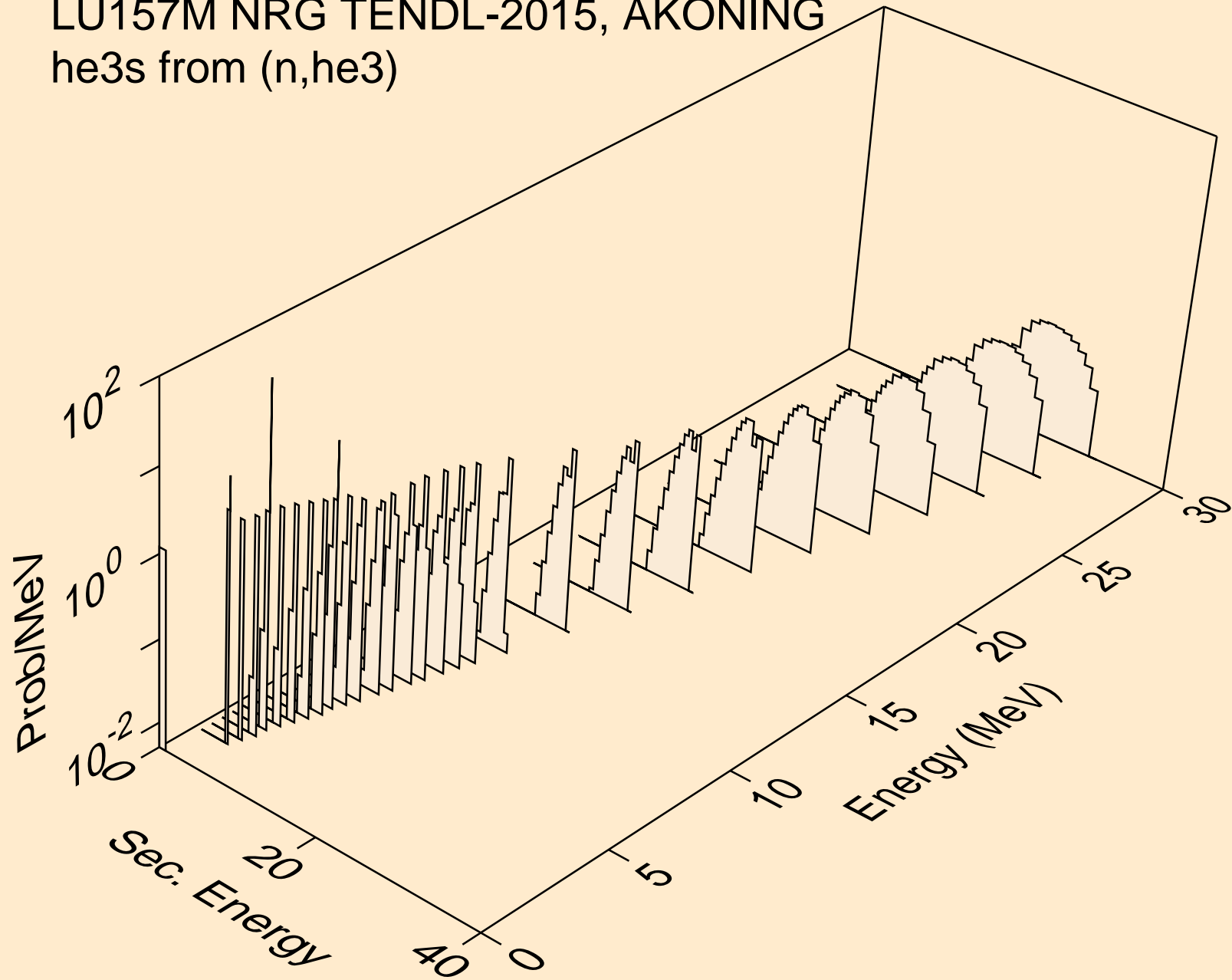
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he3s from (n,x)



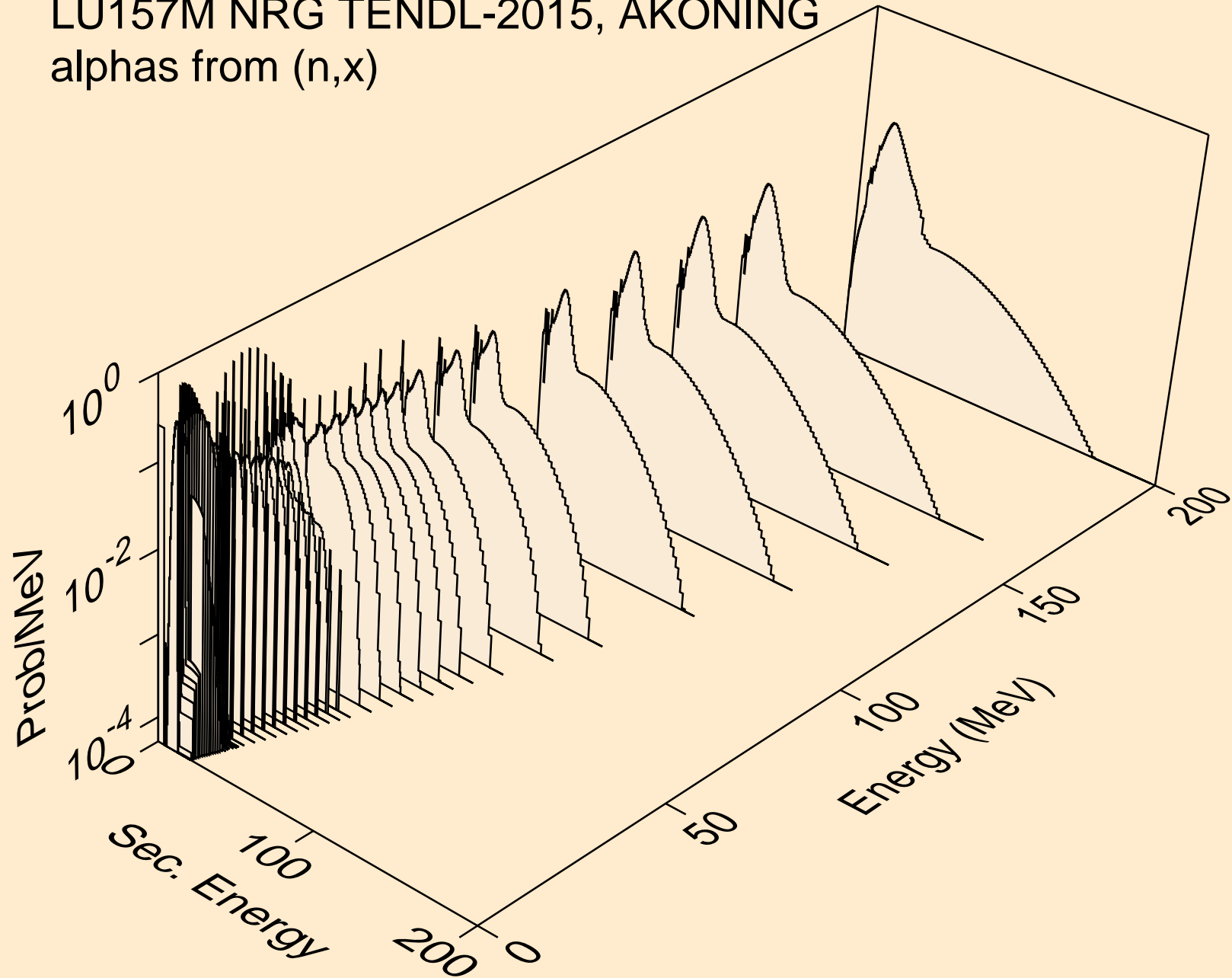
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he3s from (n,n\*)he3



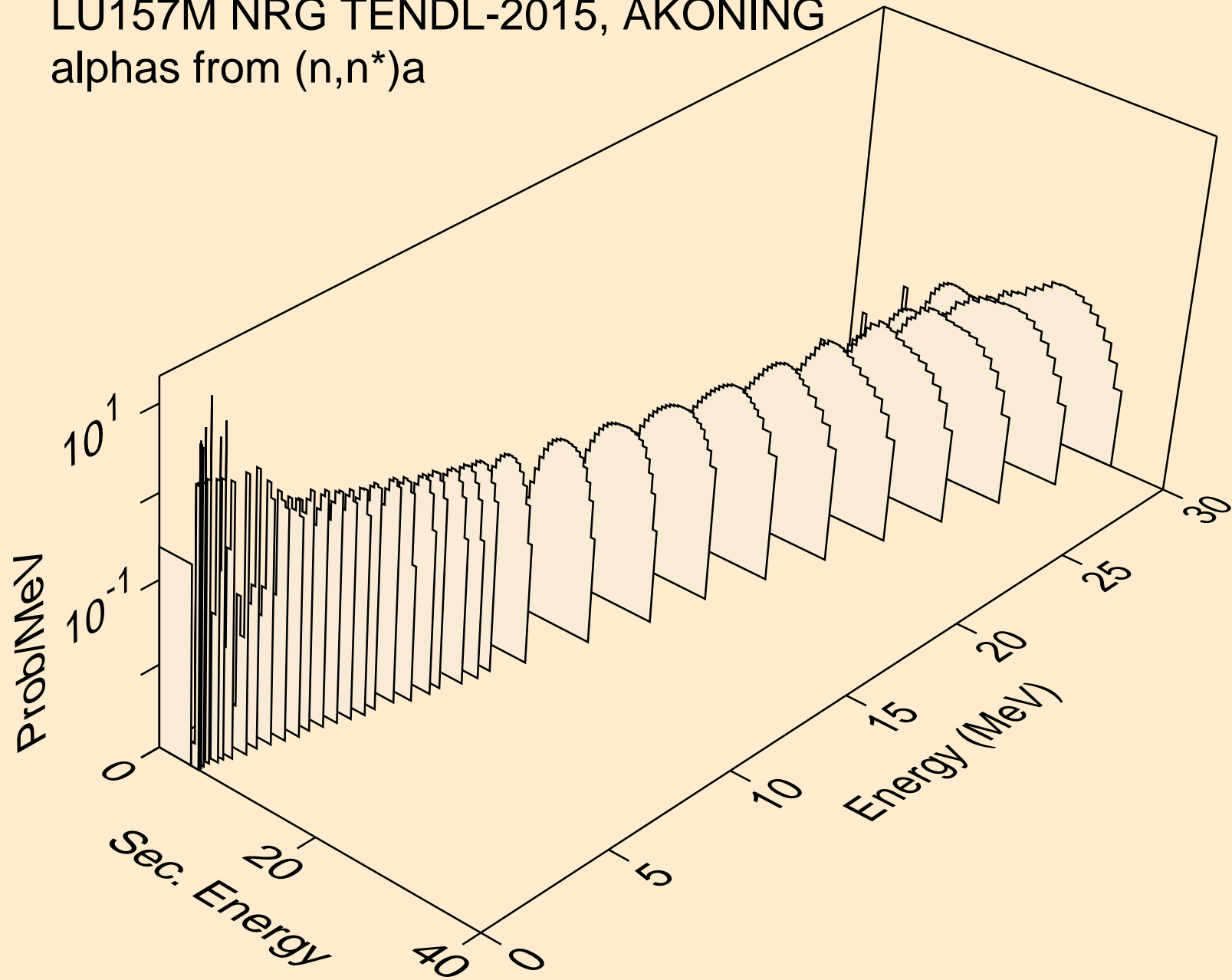
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he3s from (n,he3)



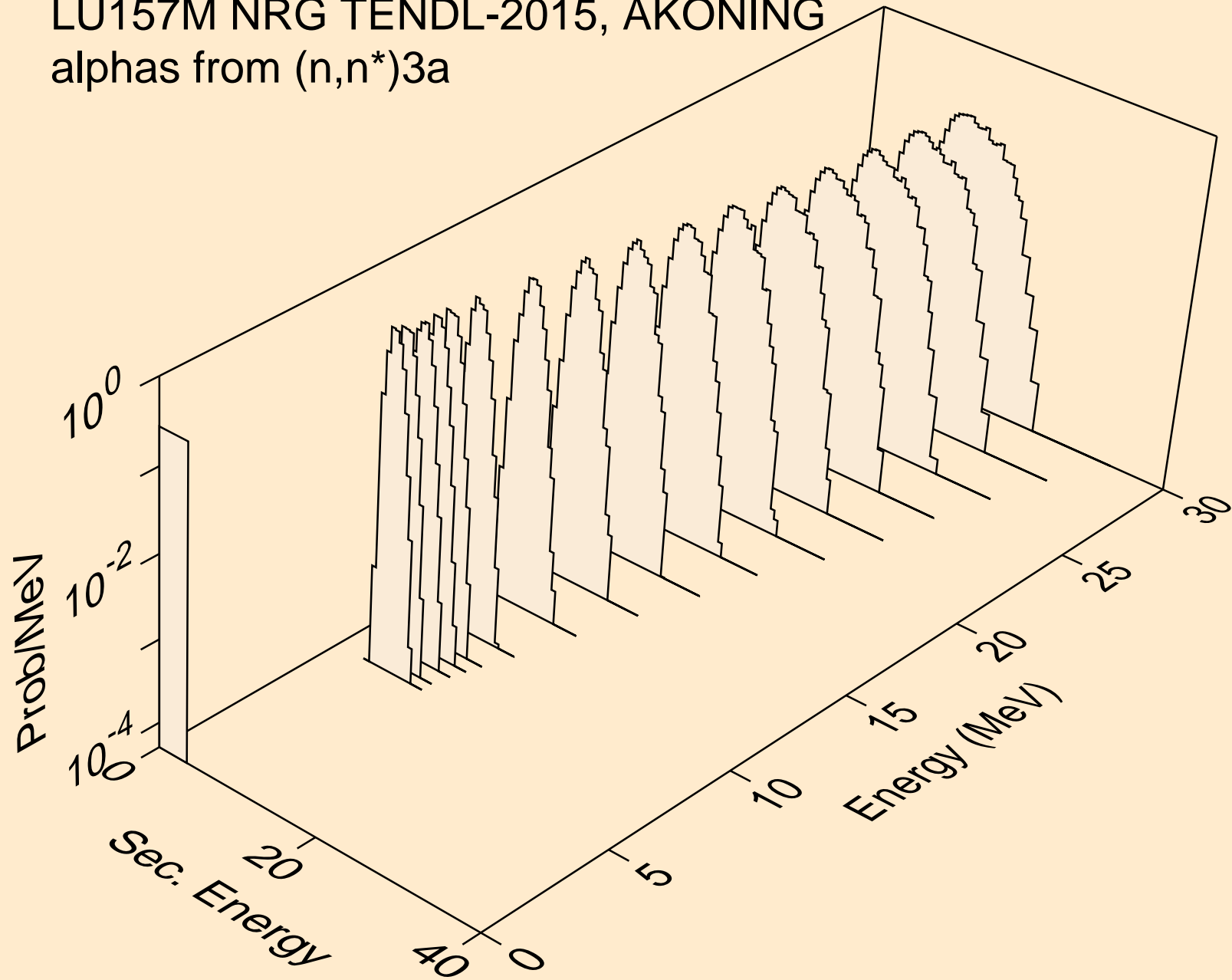
LU157M NRG TENDL-2015, AKONING  
alphas from (n,x)



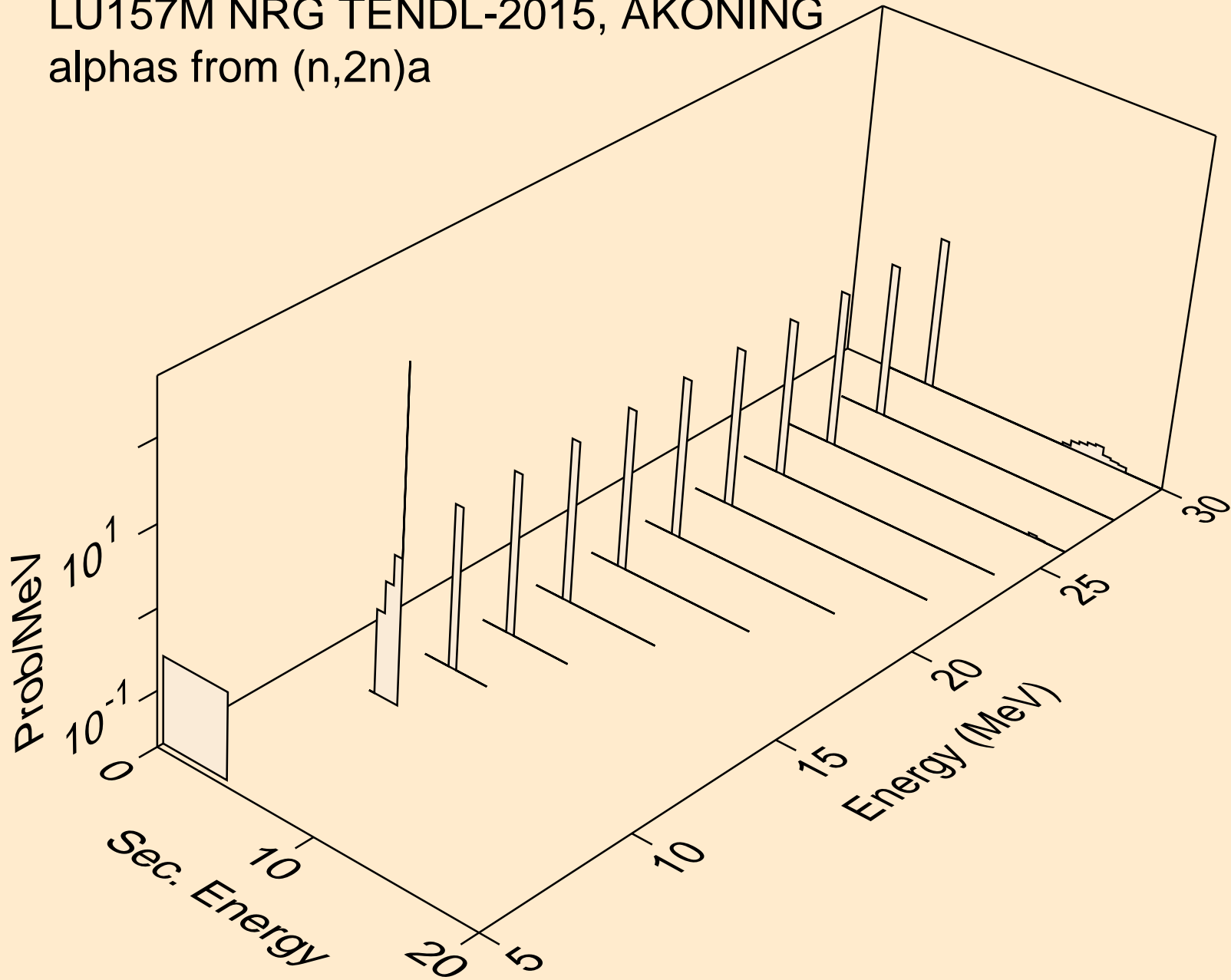
LU157M NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



LU157M NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a

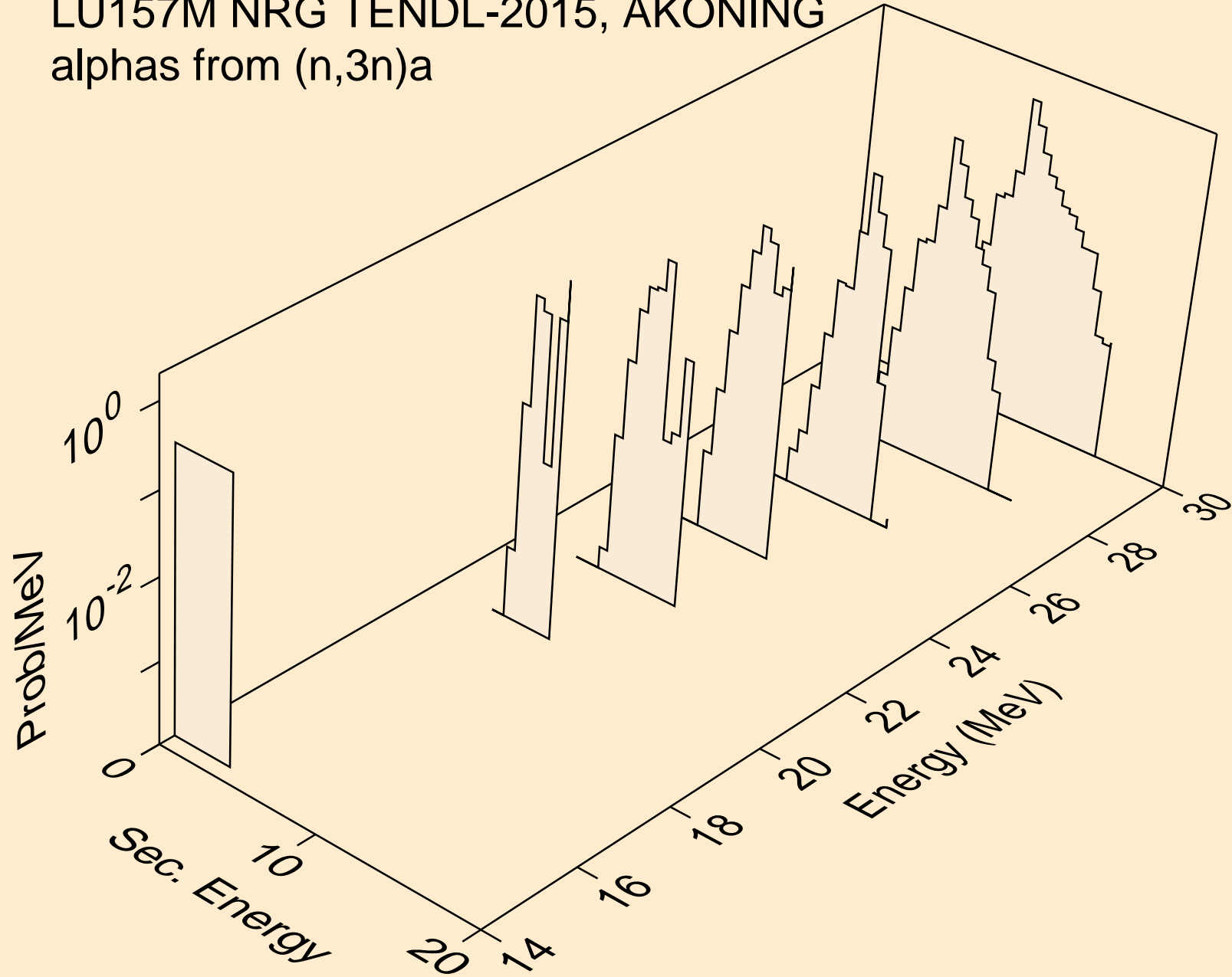


LU157M NRG TENDL-2015, AKONING  
alphas from (n,2n)a

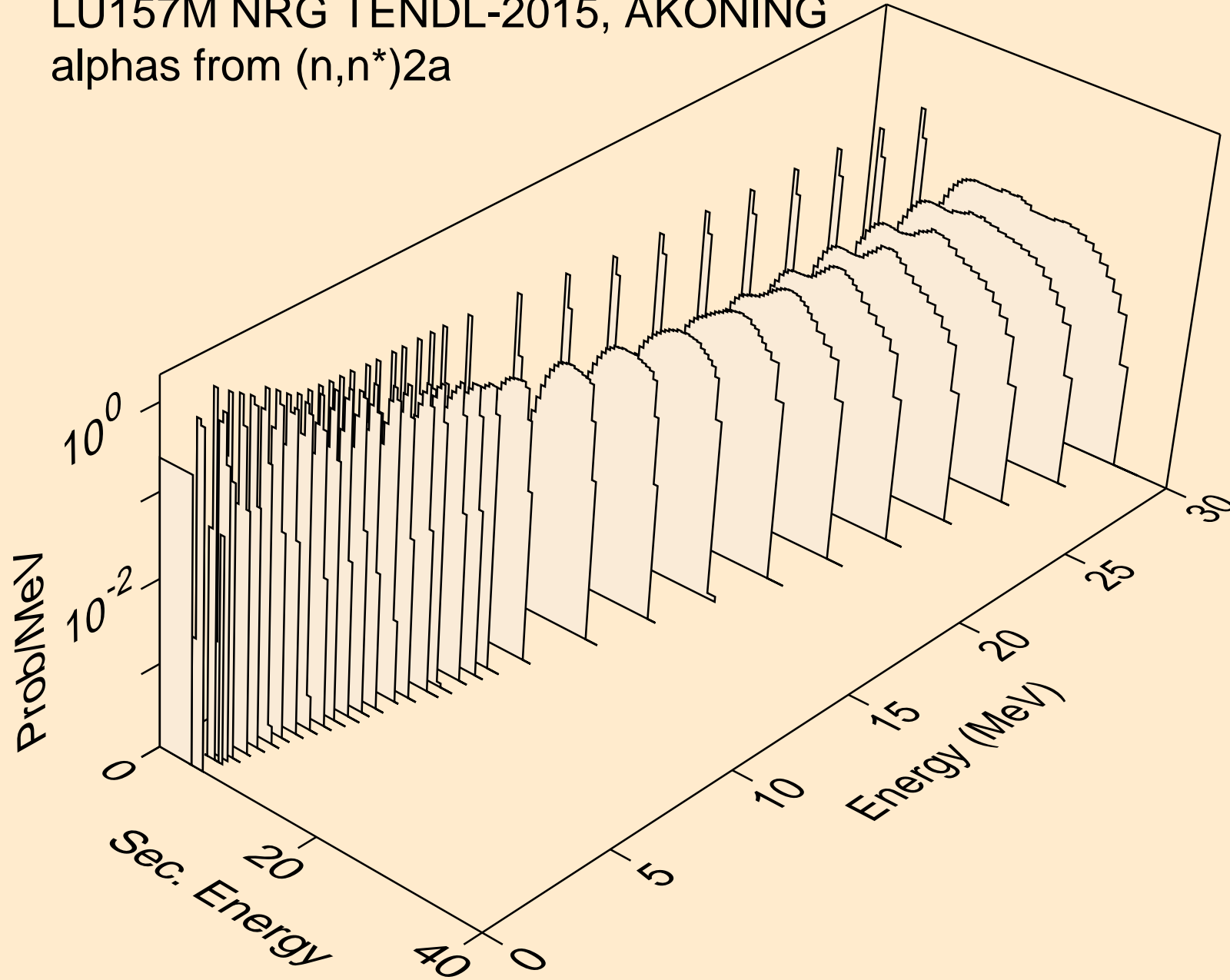




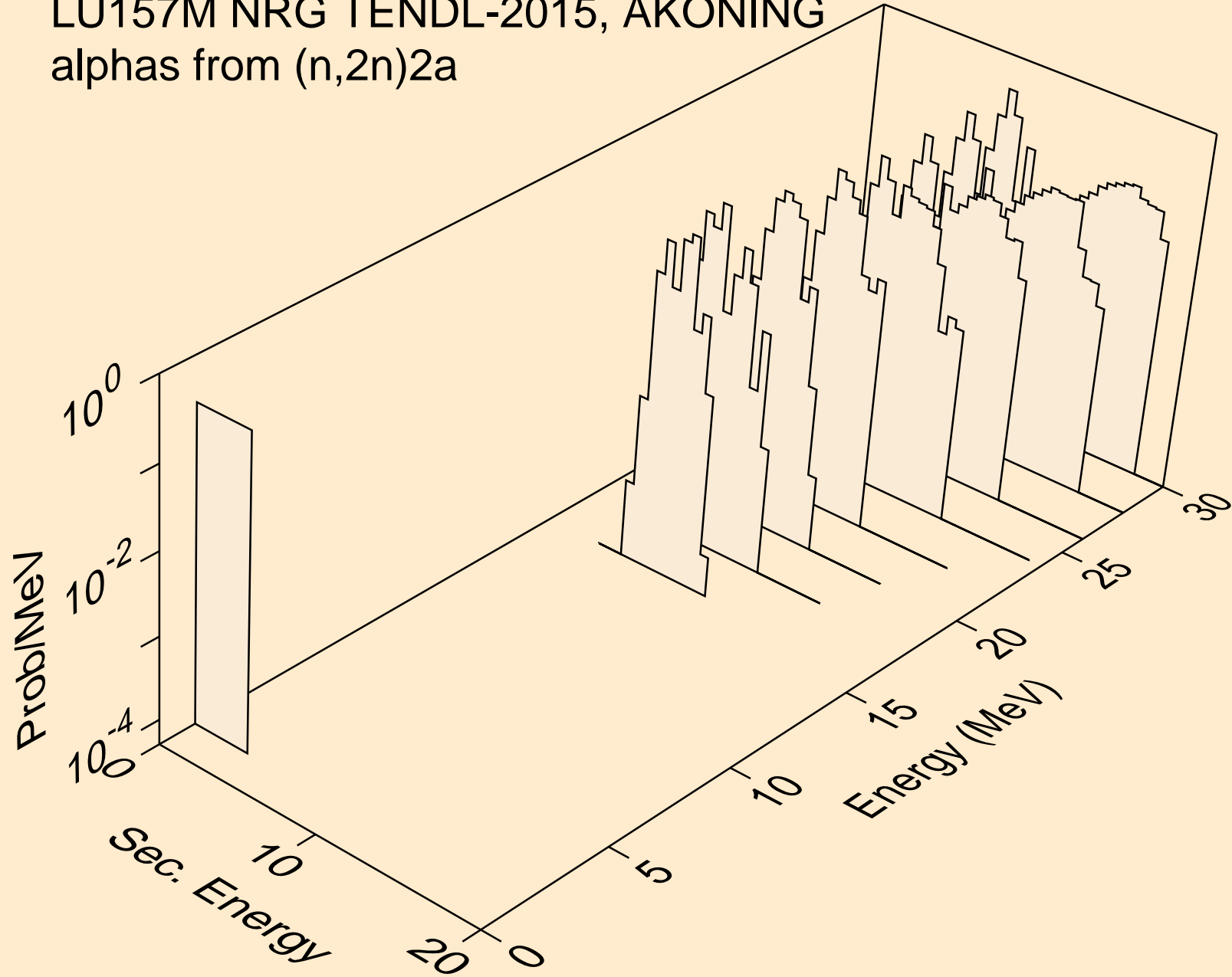
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alphas from (n,3n)a



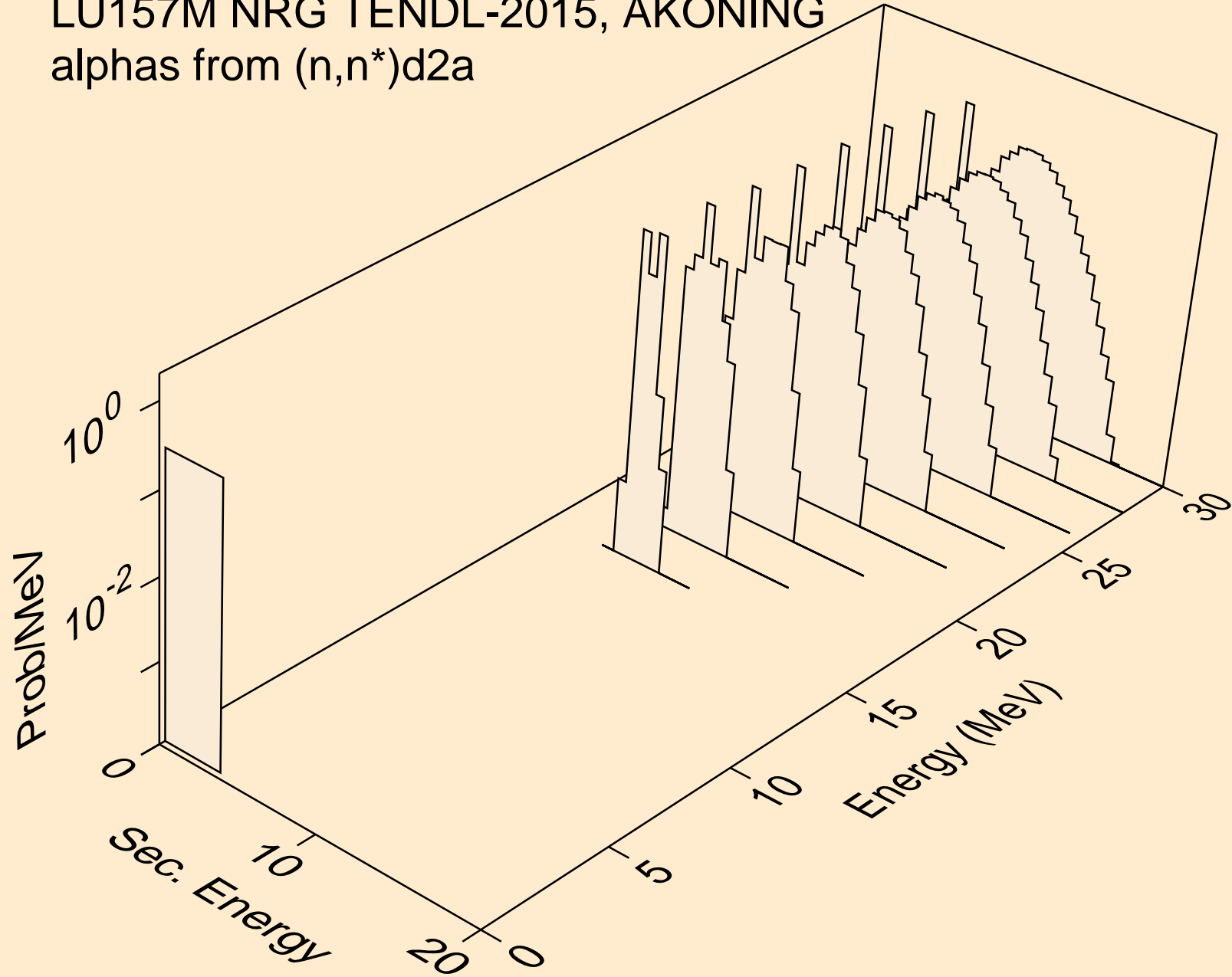
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alphas from (n,n\*)2a



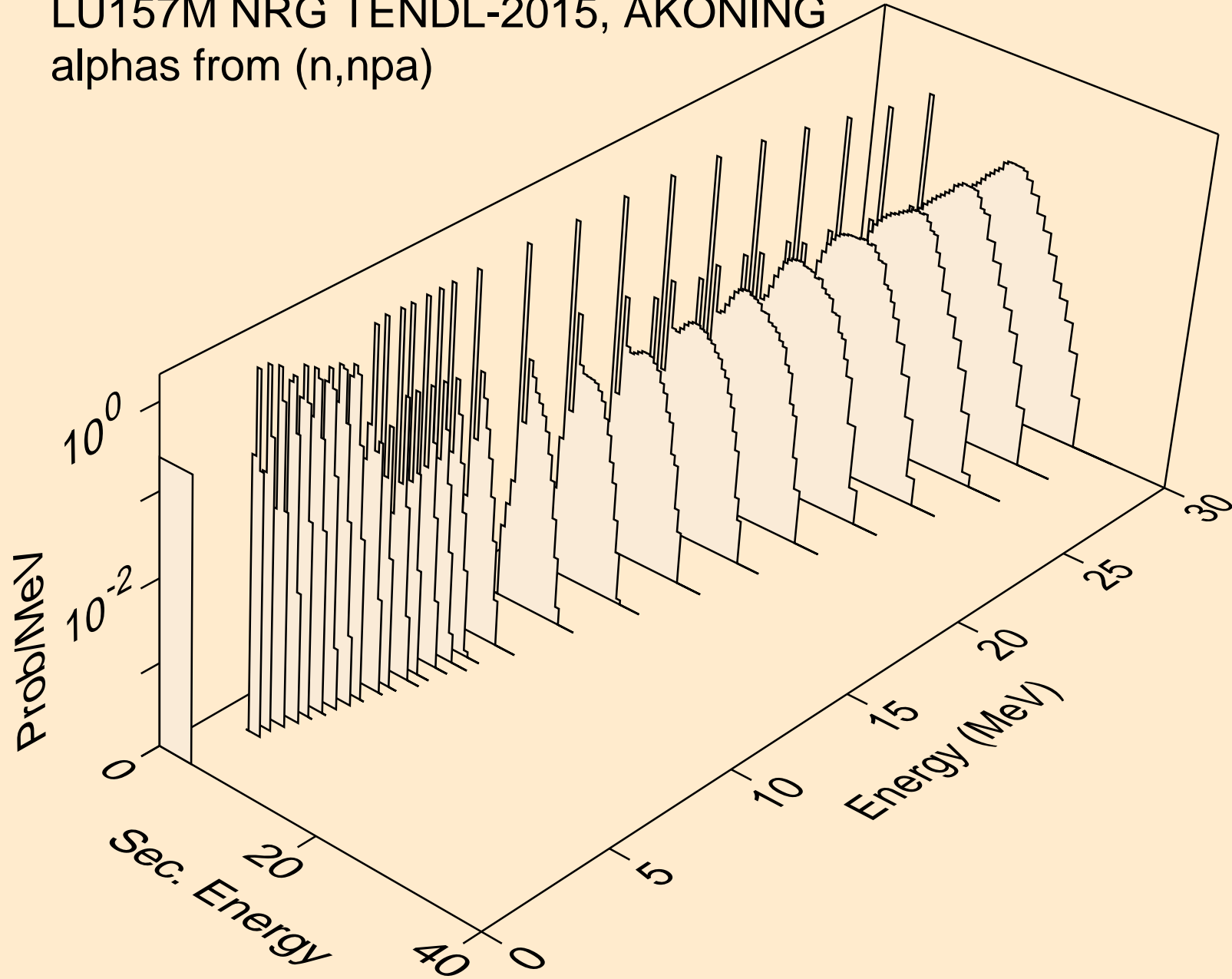
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alphas from (n,2n)2a



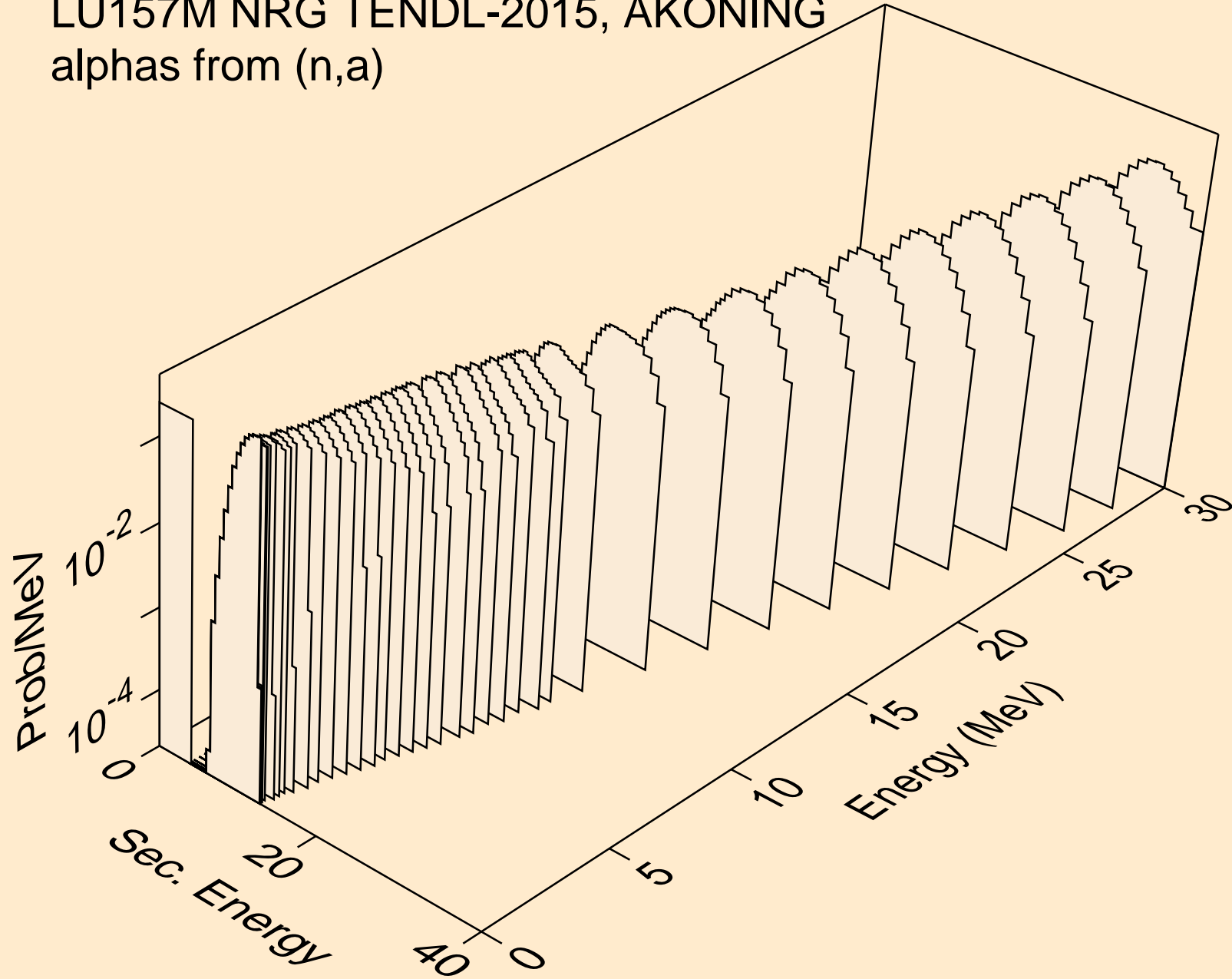
LU157M NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



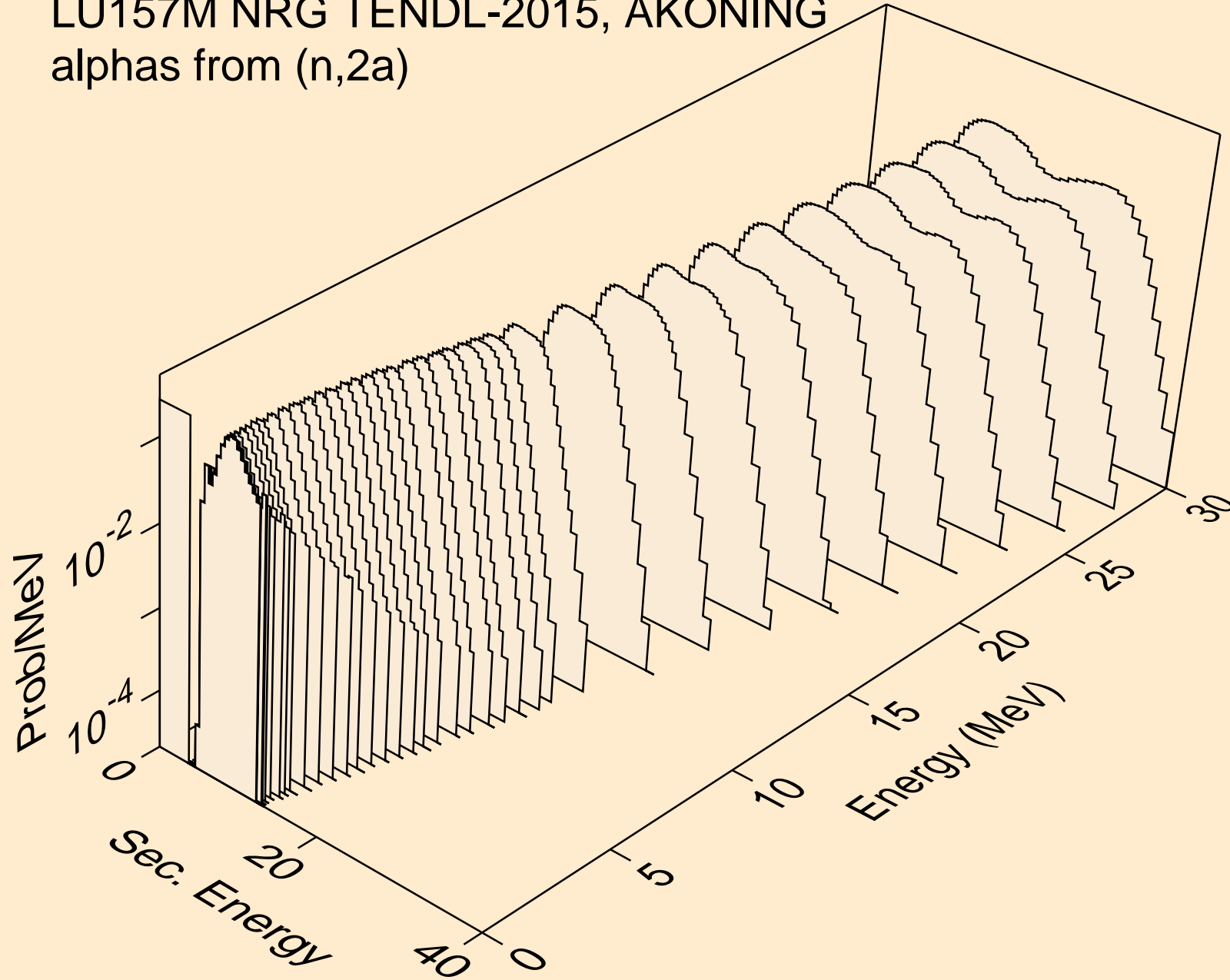
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alphas from (n,npa)



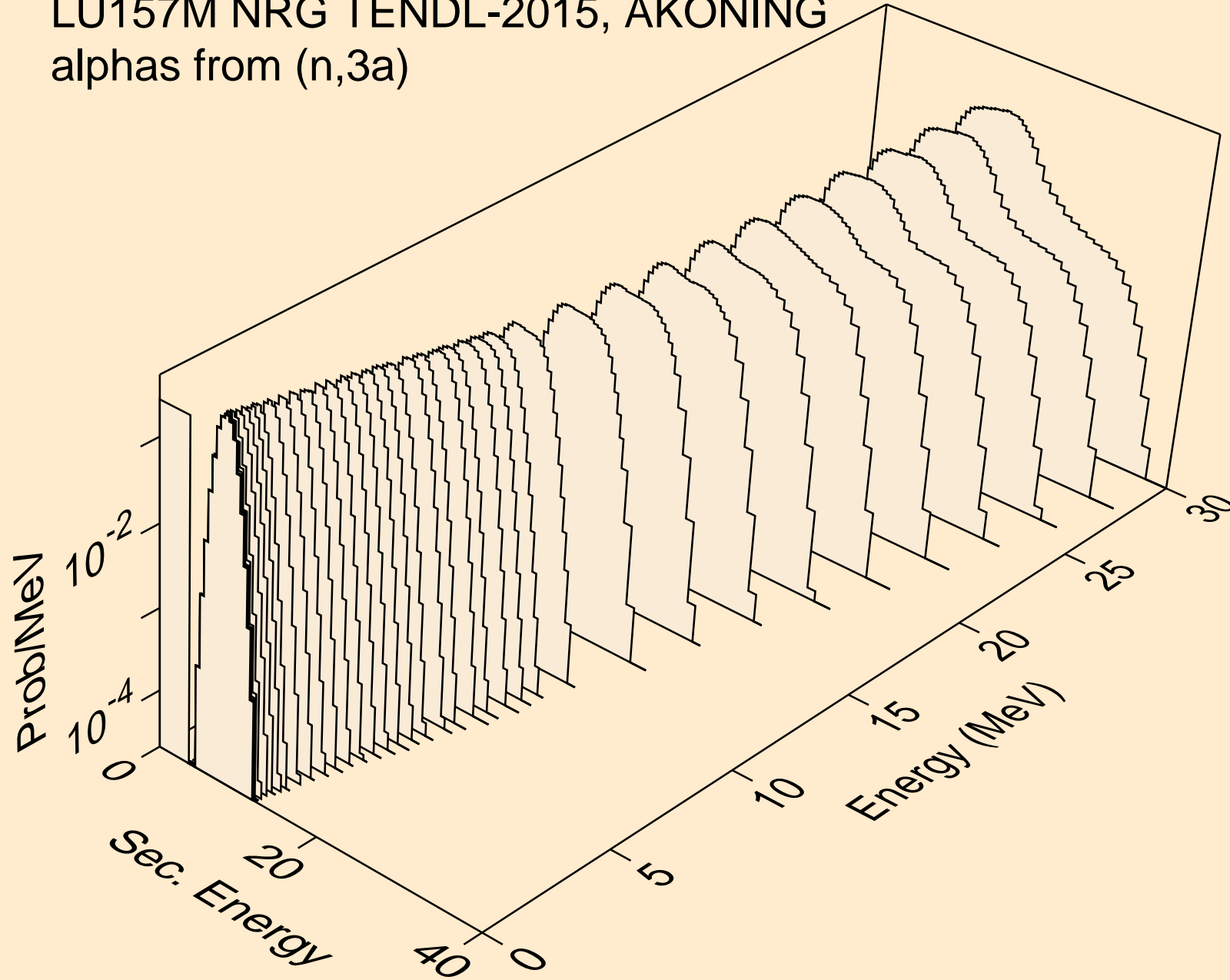
LU157M NRG TENDL-2015, AKONING  
alphas from (n,a)



LU157M NRG TENDL-2015, AKONING  
alphas from (n,2a)

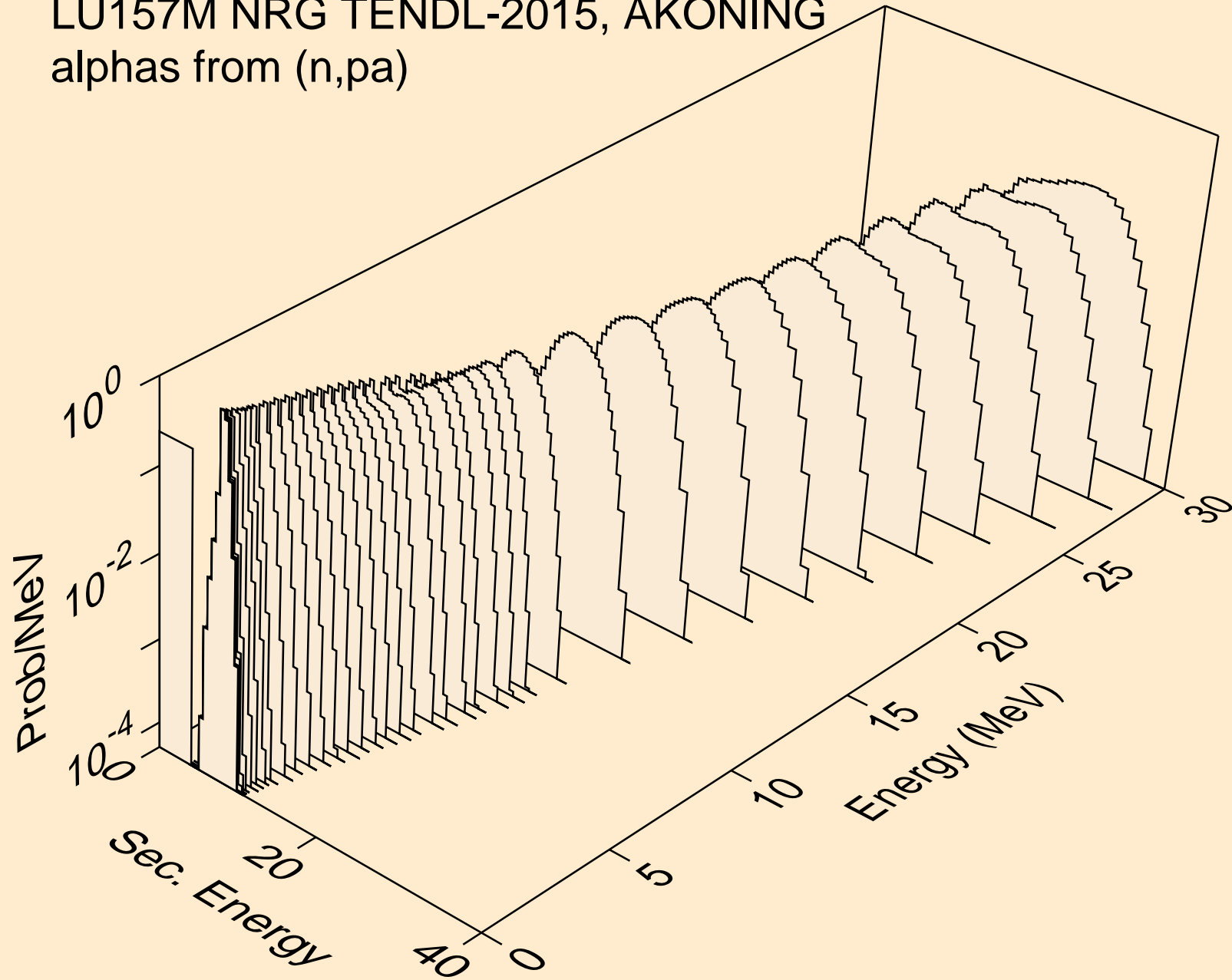


LU157M NRG TENDL-2015, AKONING  
alphas from (n,3a)

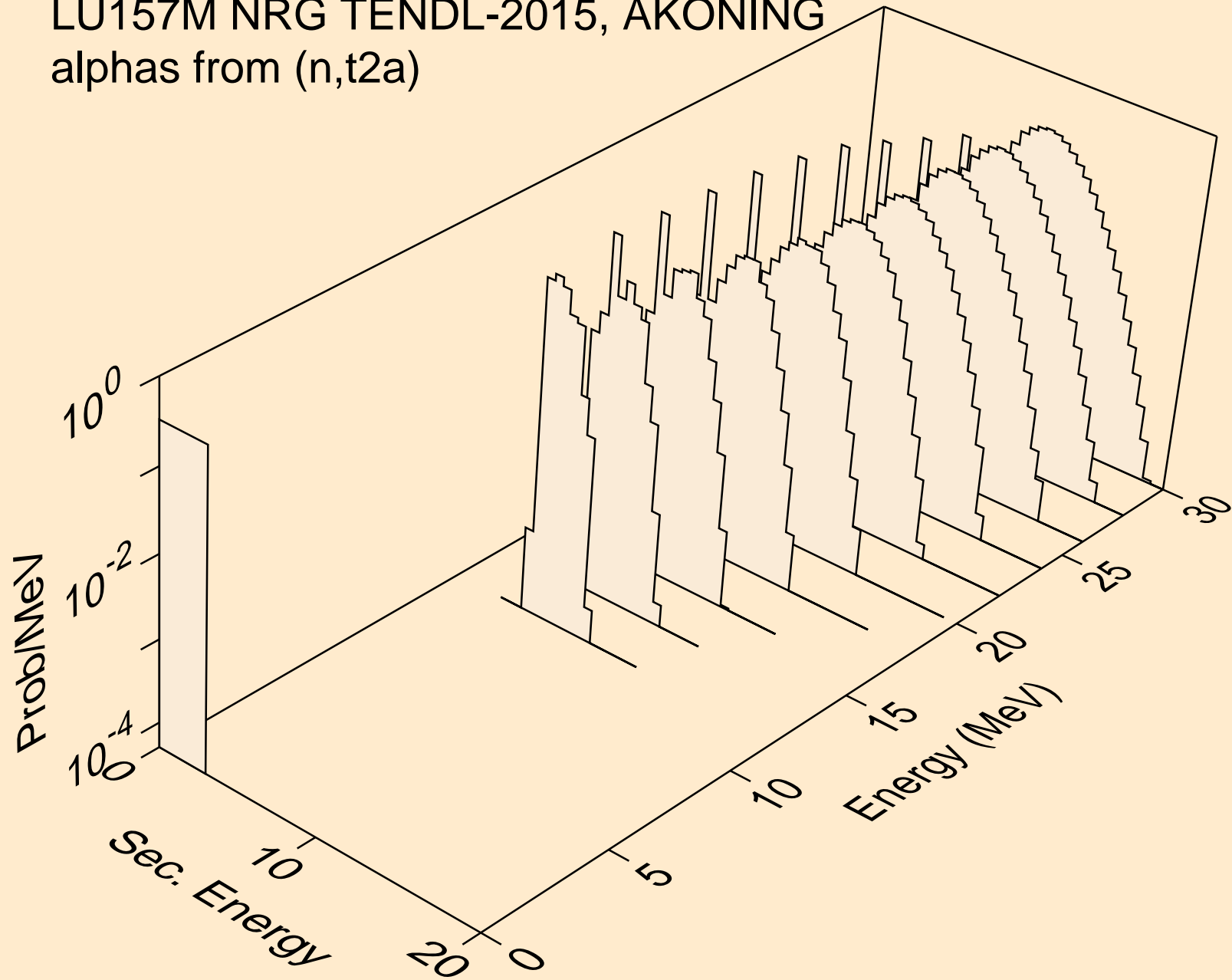




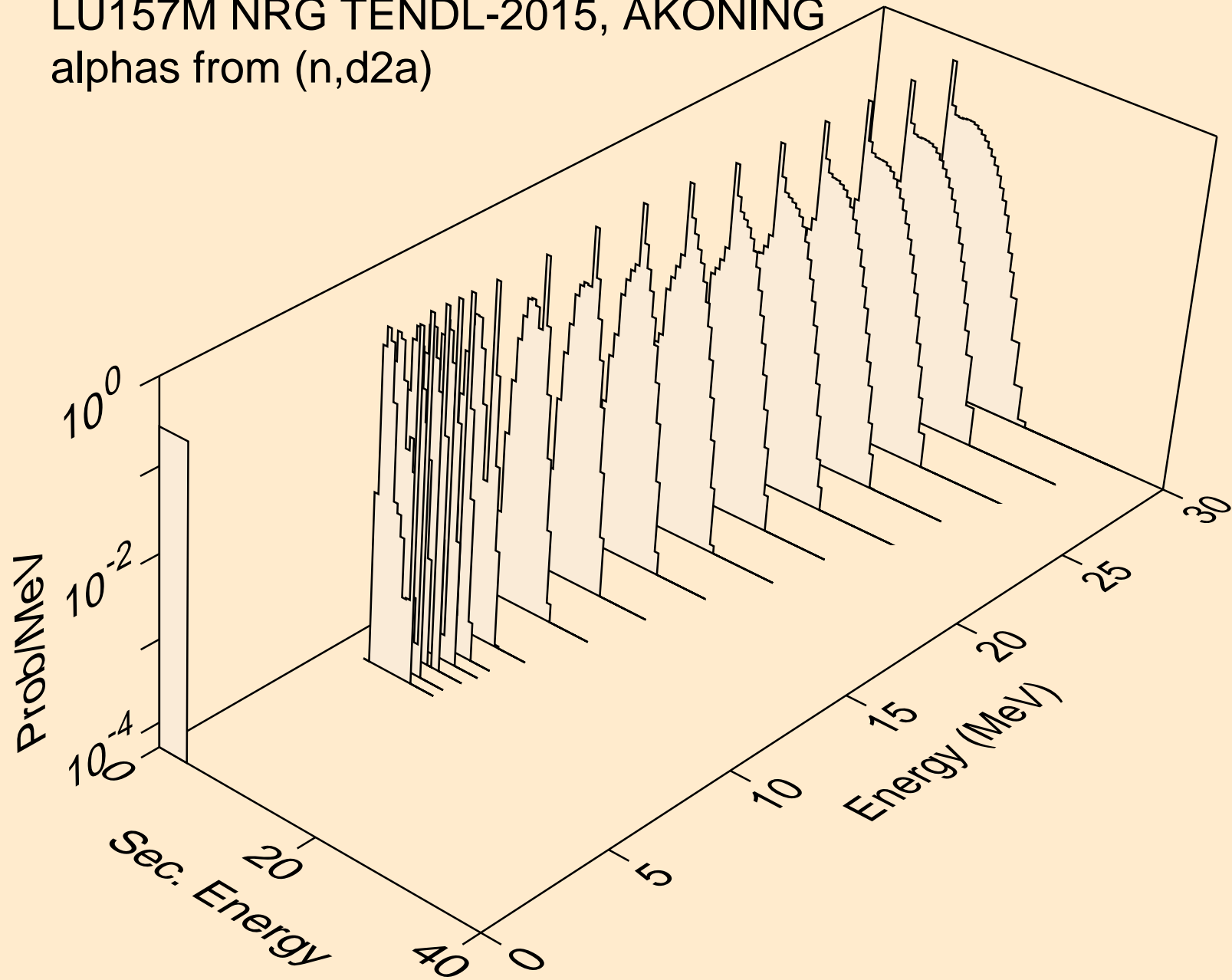
LU157M NRG TENDL-2015, AKONING  
alphas from (n,pa)



LU157M NRG TENDL-2015, AKONING  
alphas from (n,t2a)



LU157M NRG TENDL-2015, AKONING  
alphas from (n,d2a)



LU157M NRG TENDL-2015, AKONING  
alphas from (n,da)

