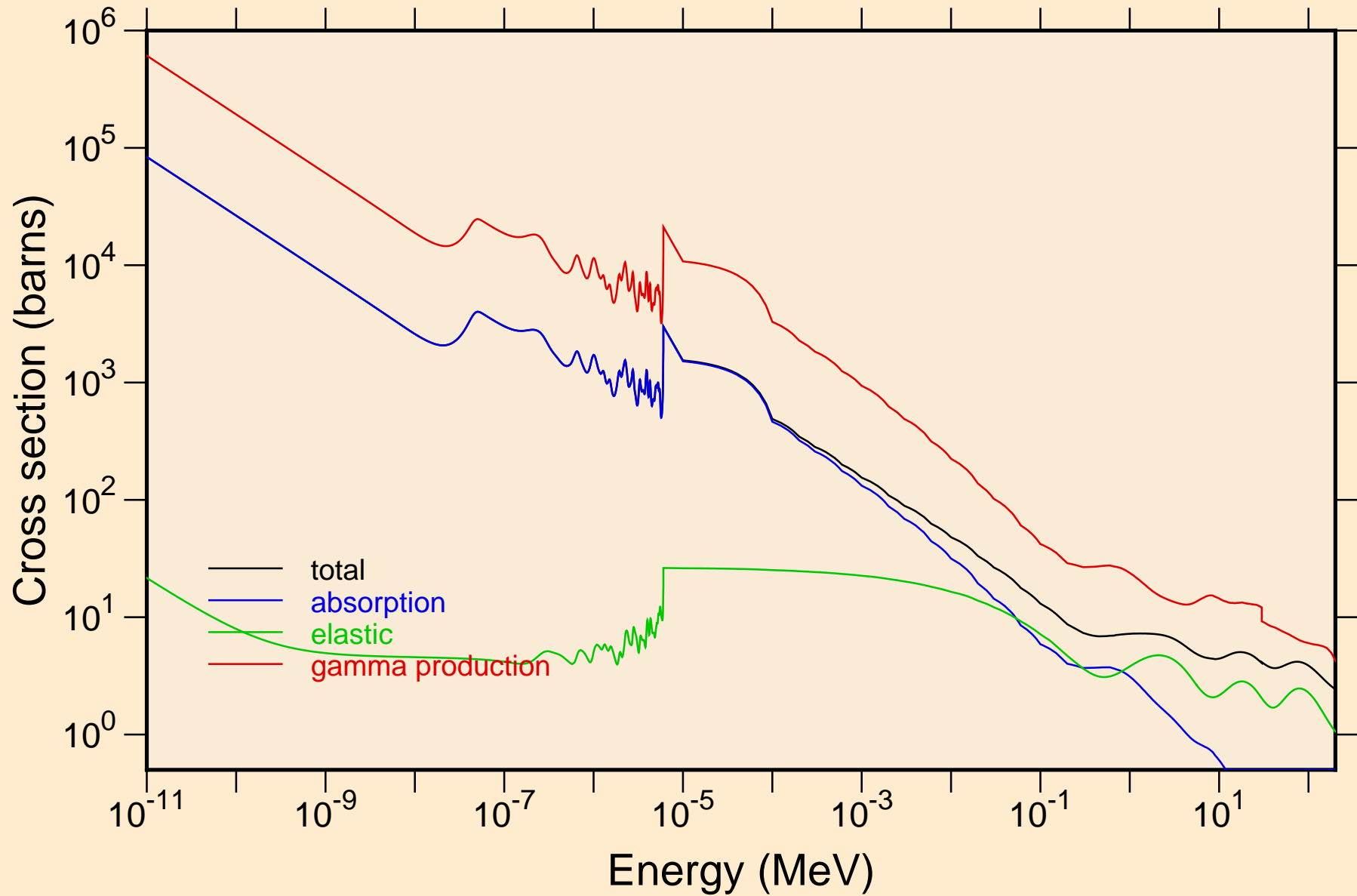
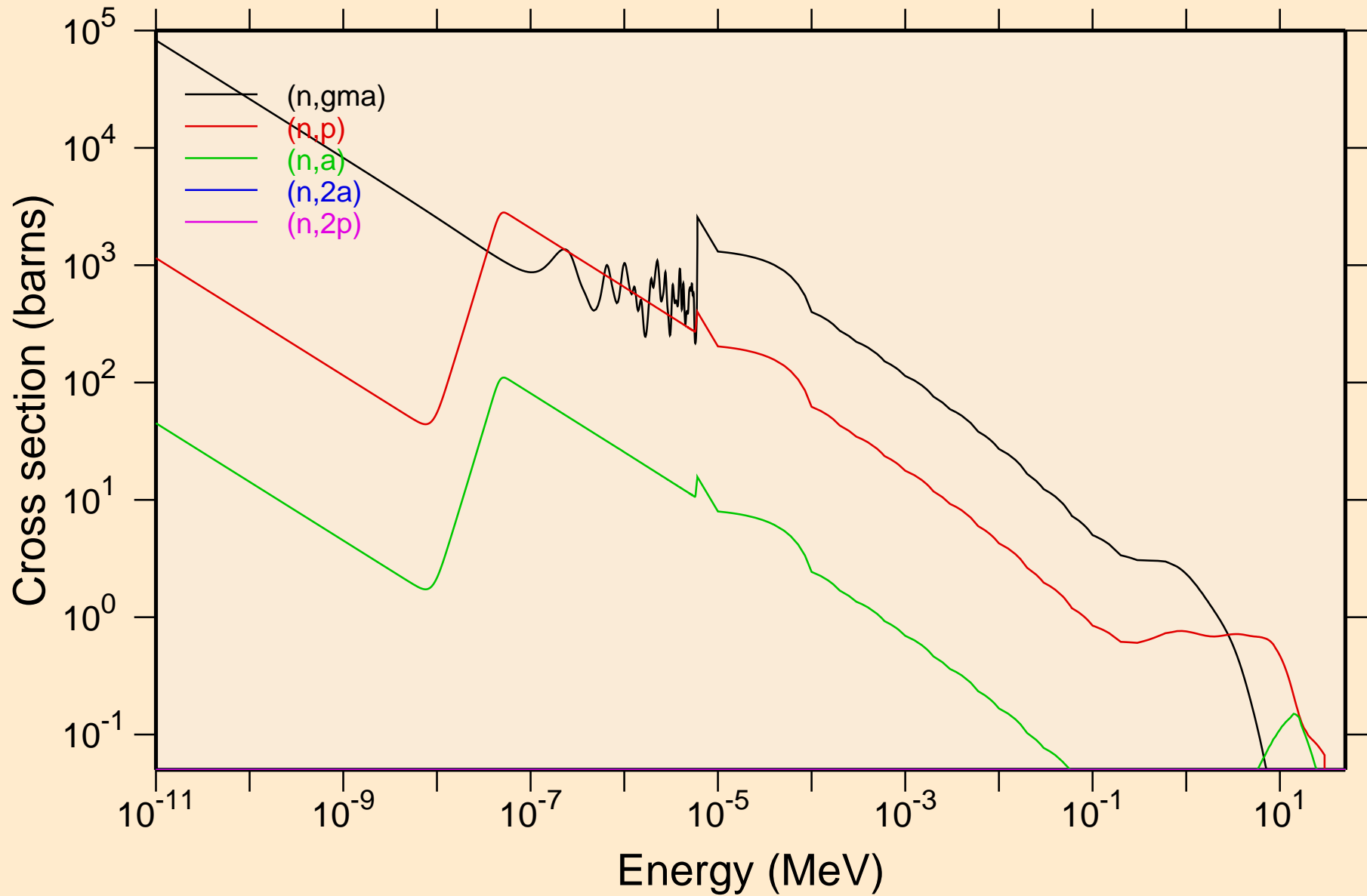


# N-TM154M NRG TENDL-2017, AKONING

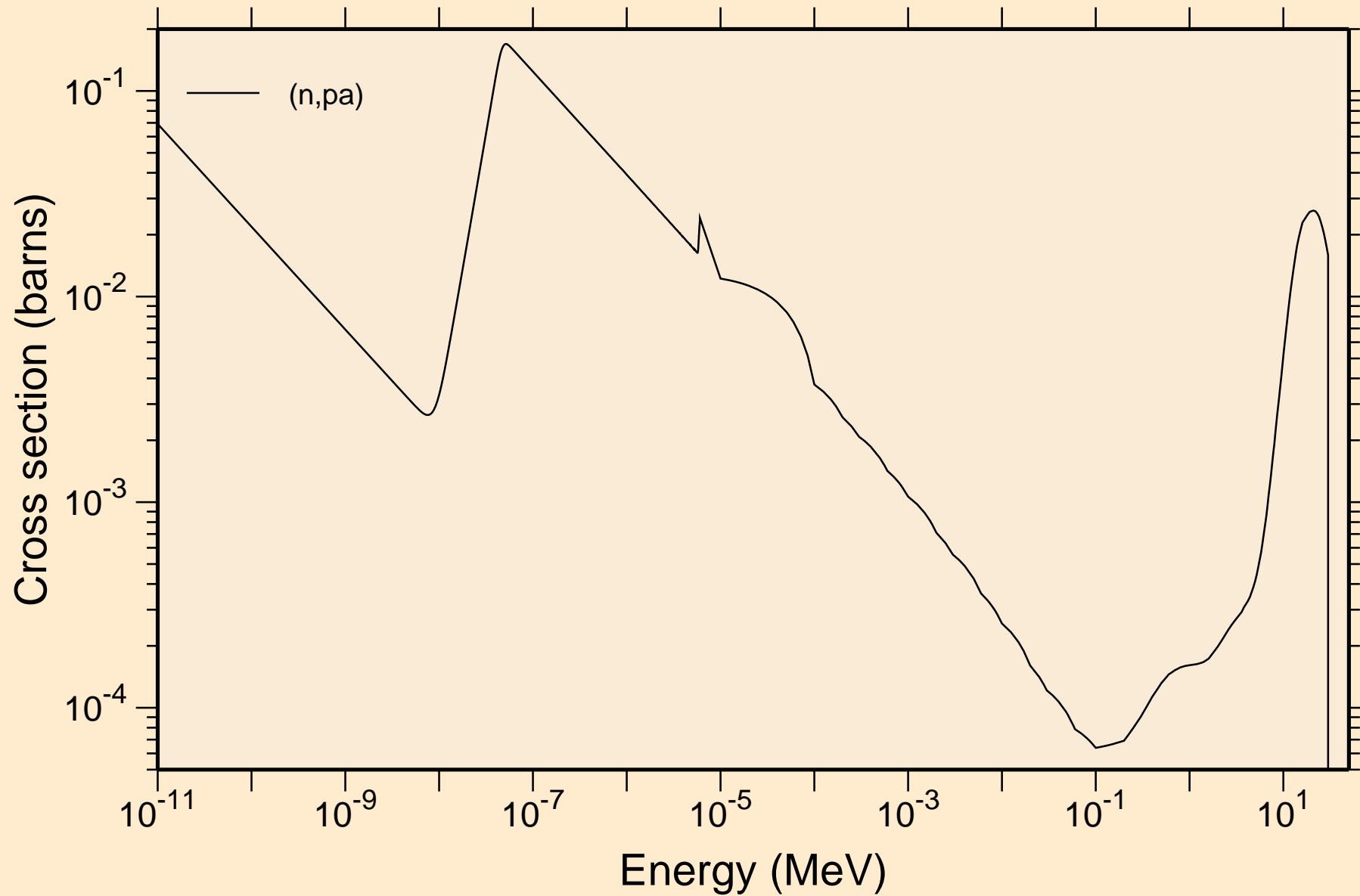
## Principal cross sections



N-TM154M NRG TENDL-2017, AKONING  
Non-threshold reactions

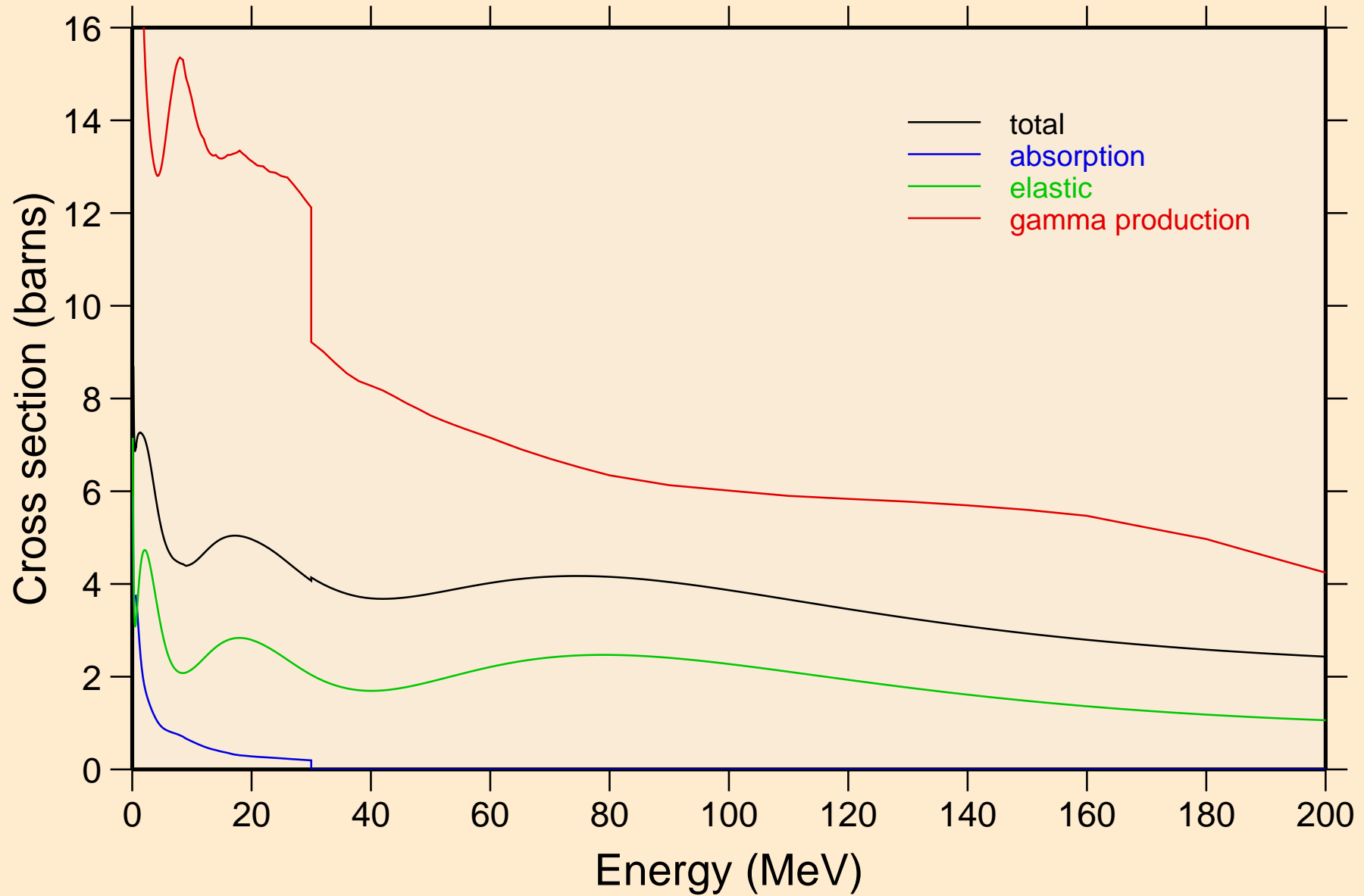


N-TM154M NRG TENDL-2017, AKONING  
Non-threshold reactions



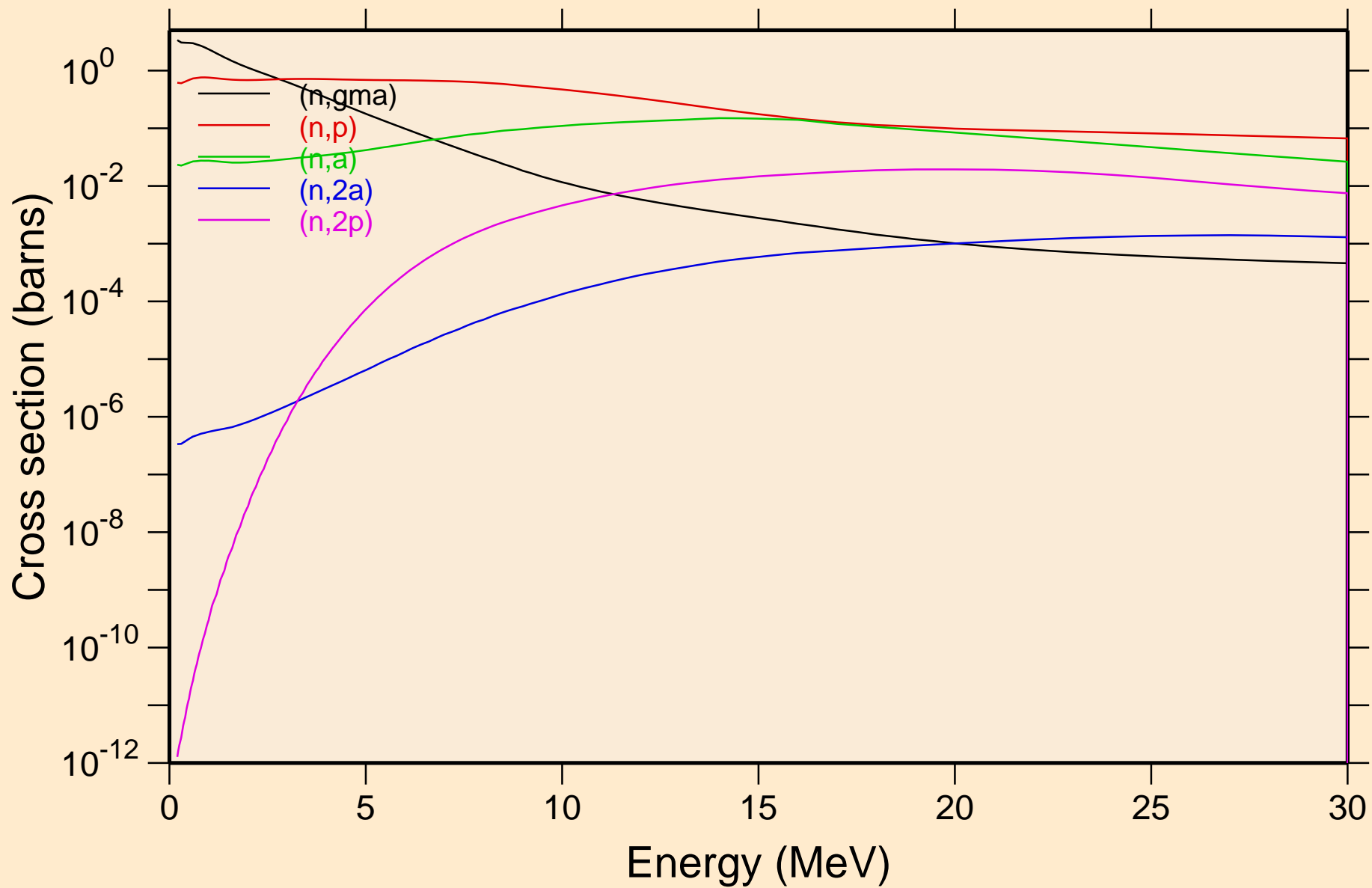
# N-TM154M NRG TENDL-2017, AKONING

## Principal cross sections

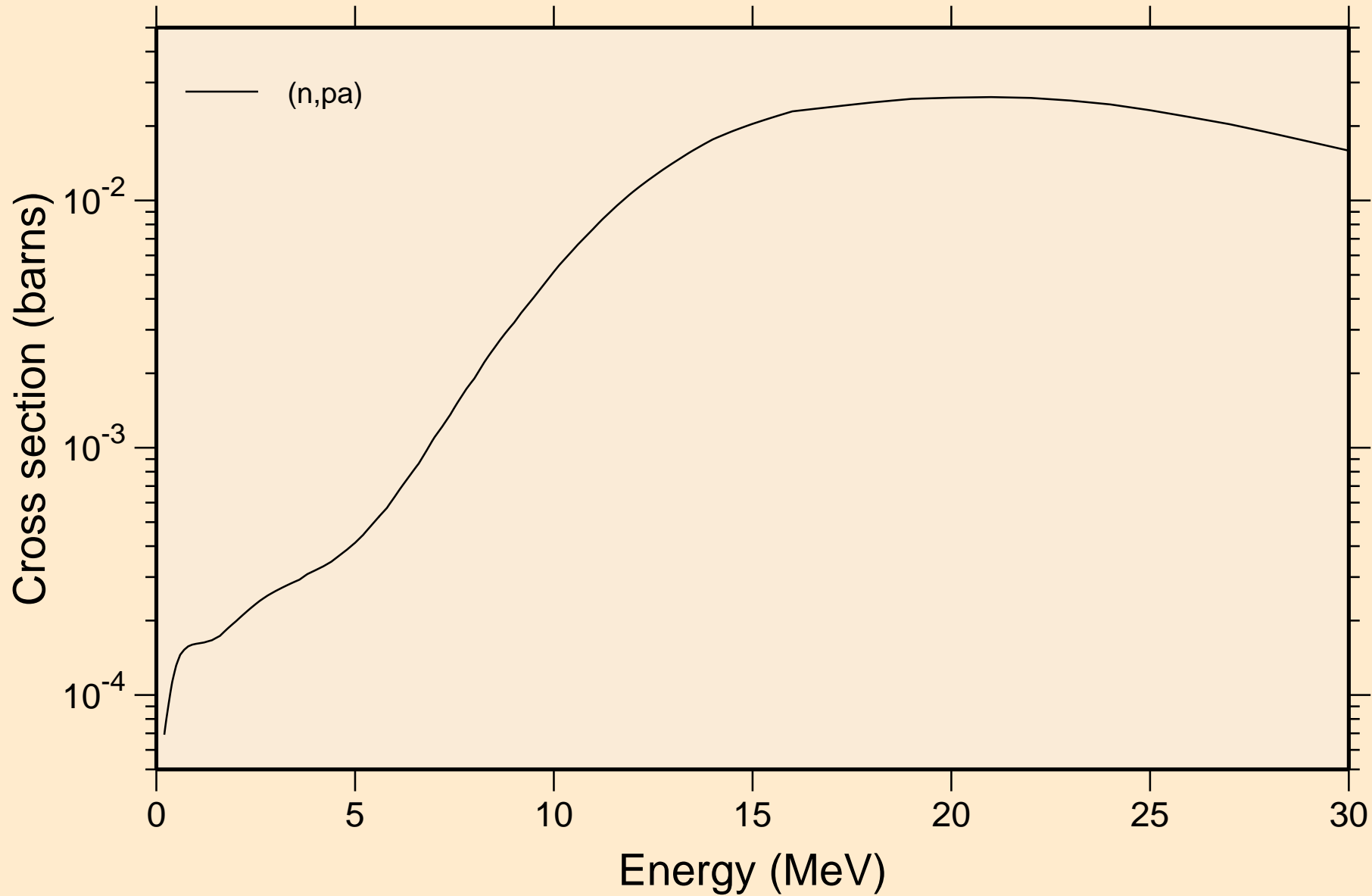


# N-TM154M NRG TENDL-2017, AKONING

## Non-threshold reactions

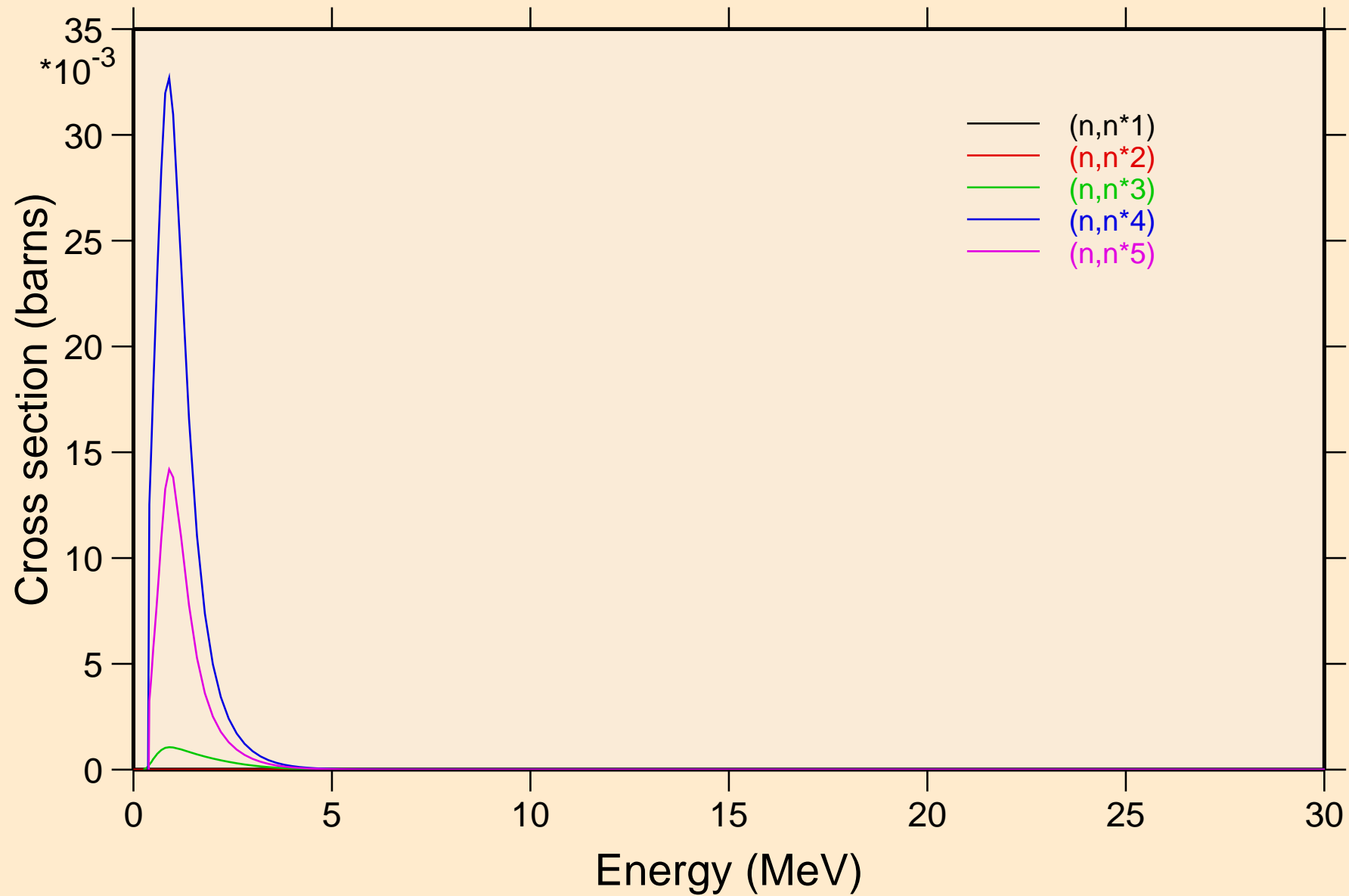


N-TM154M NRG TENDL-2017, AKONING  
Non-threshold reactions



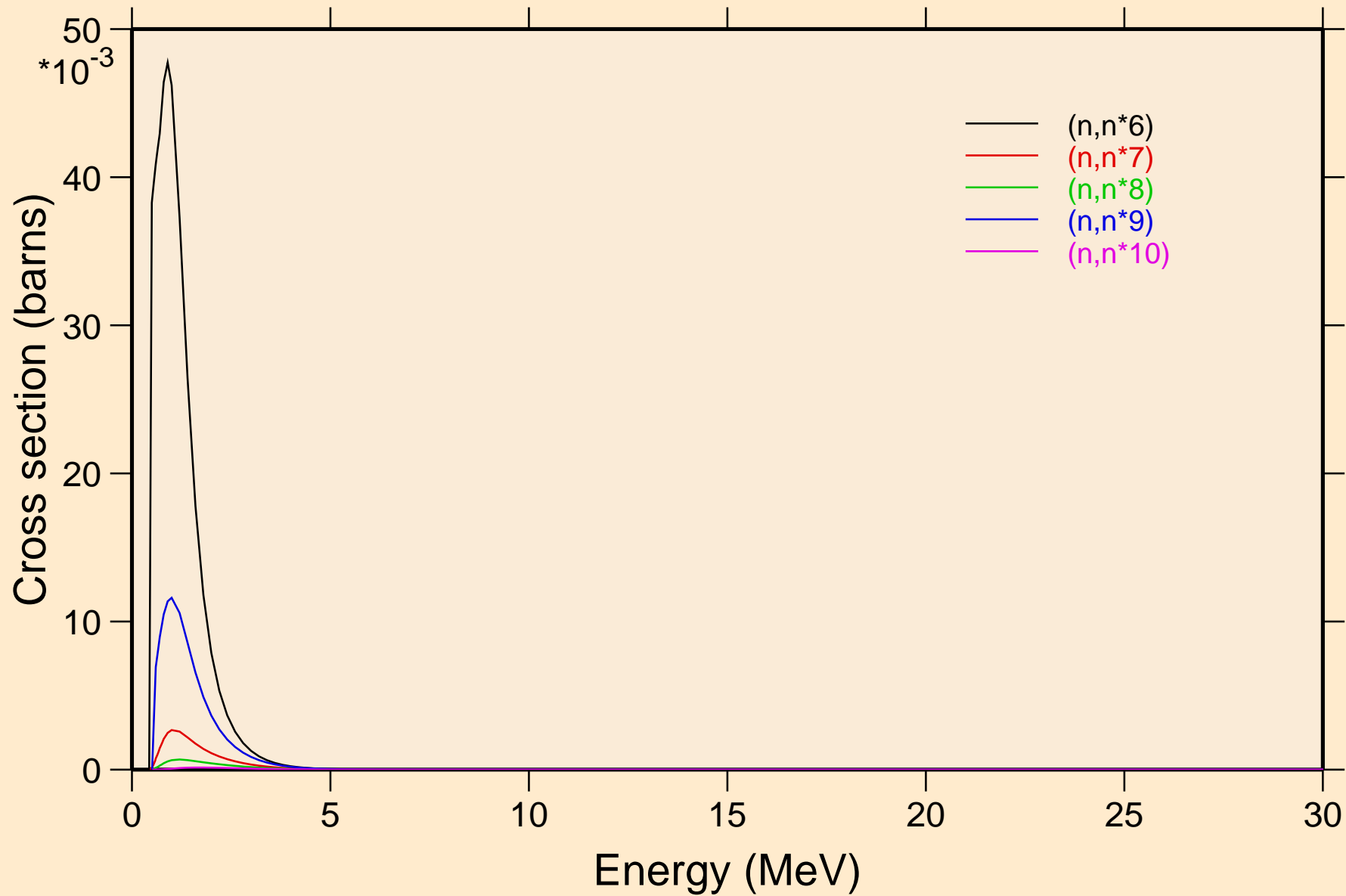
# N-TM154M NRG TENDL-2017, AKONING

## Inelastic levels



# N-TM154M NRG TENDL-2017, AKONING

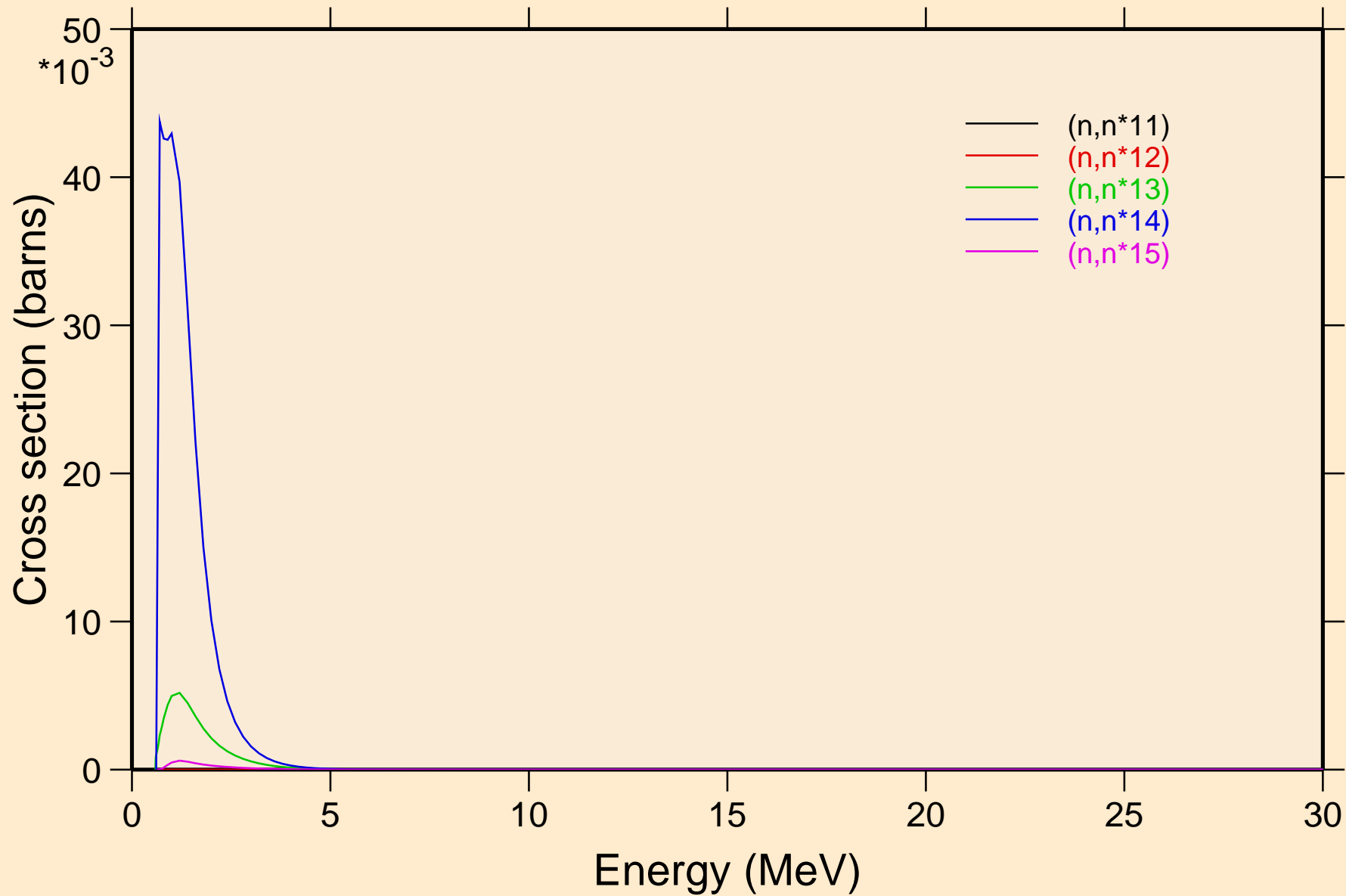
## Inelastic levels





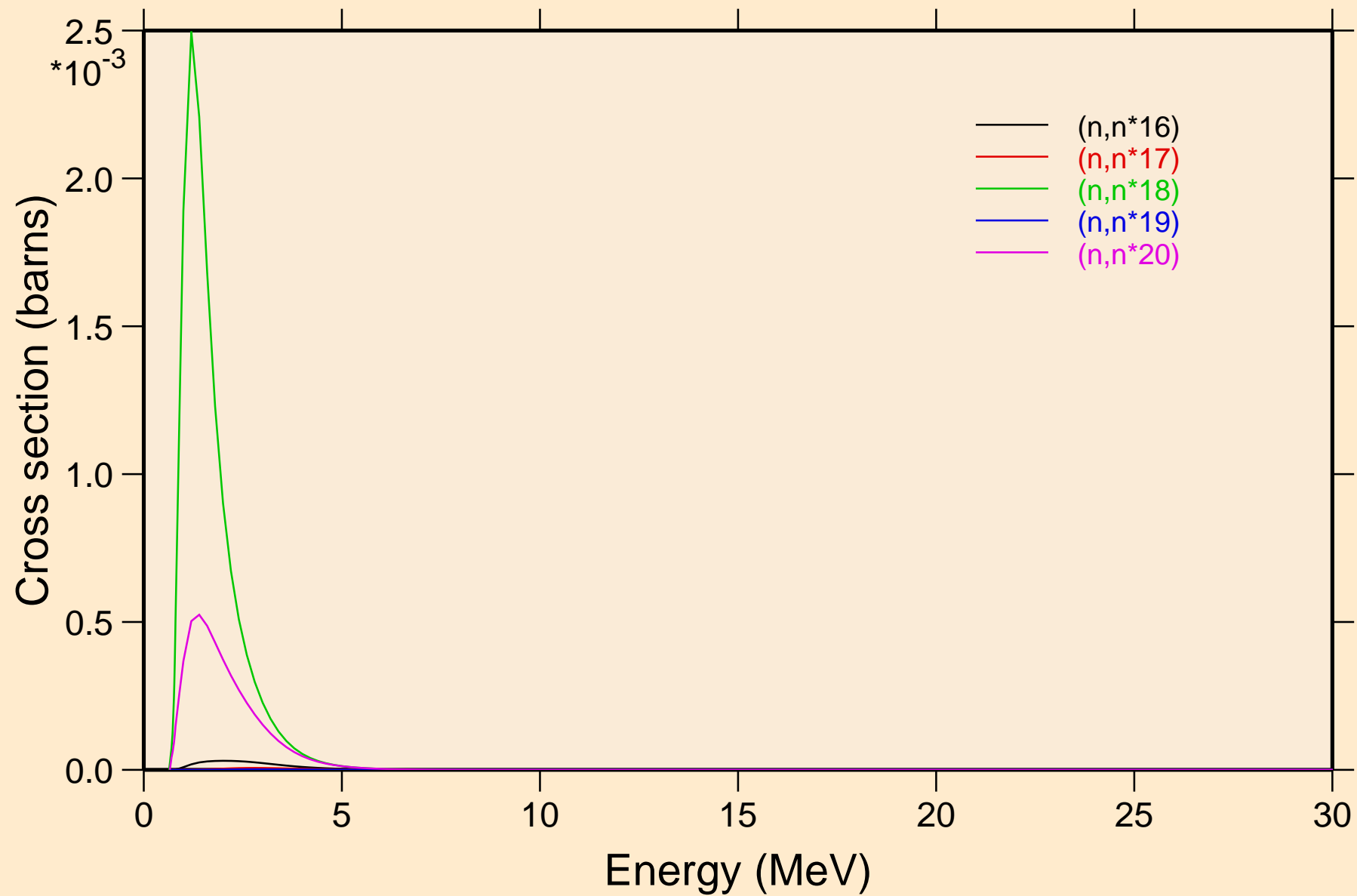
# N-TM154M NRG TENDL-2017, AKONING

## Inelastic levels



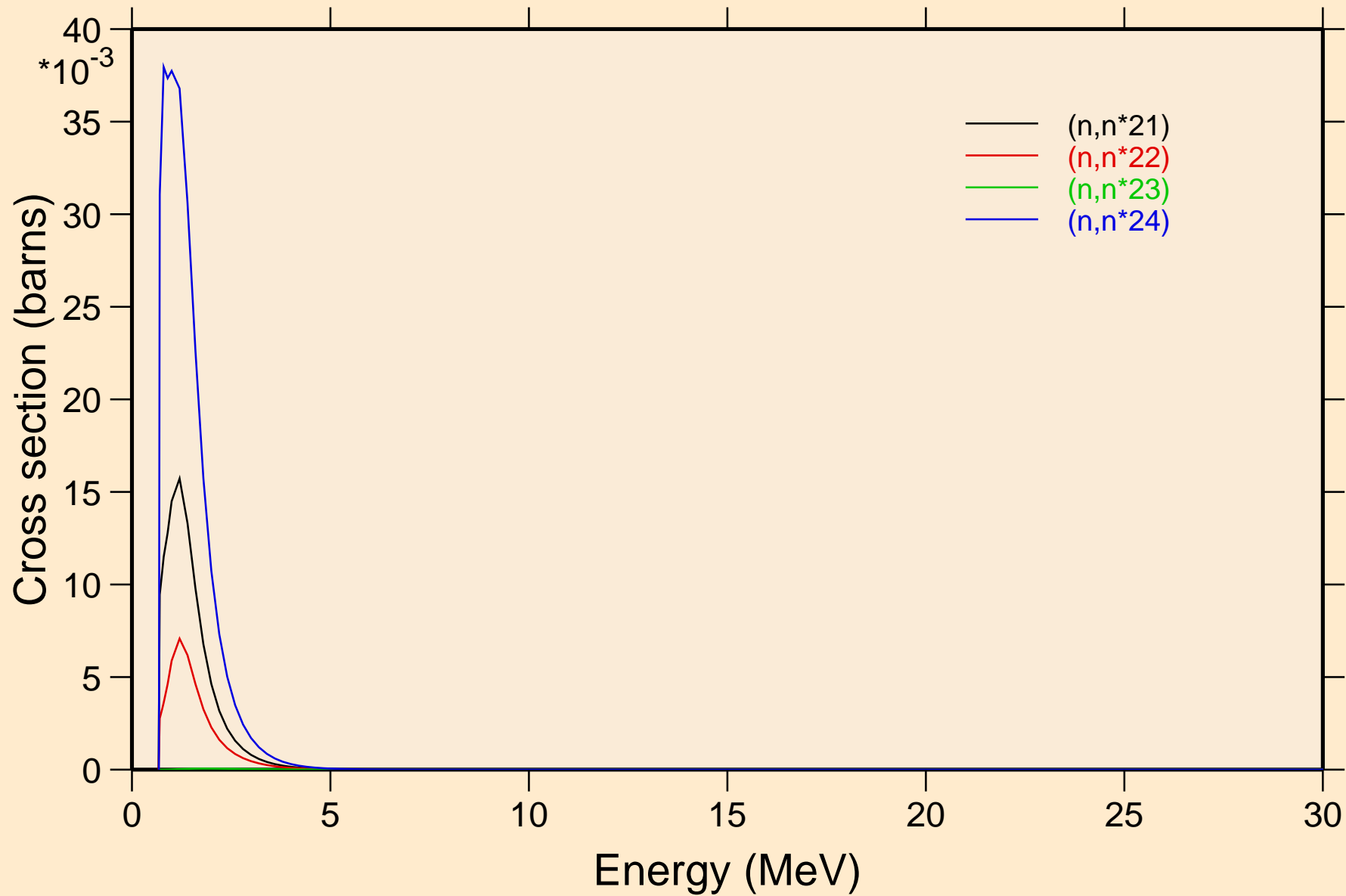
# N-TM154M NRG TENDL-2017, AKONING

## Inelastic levels



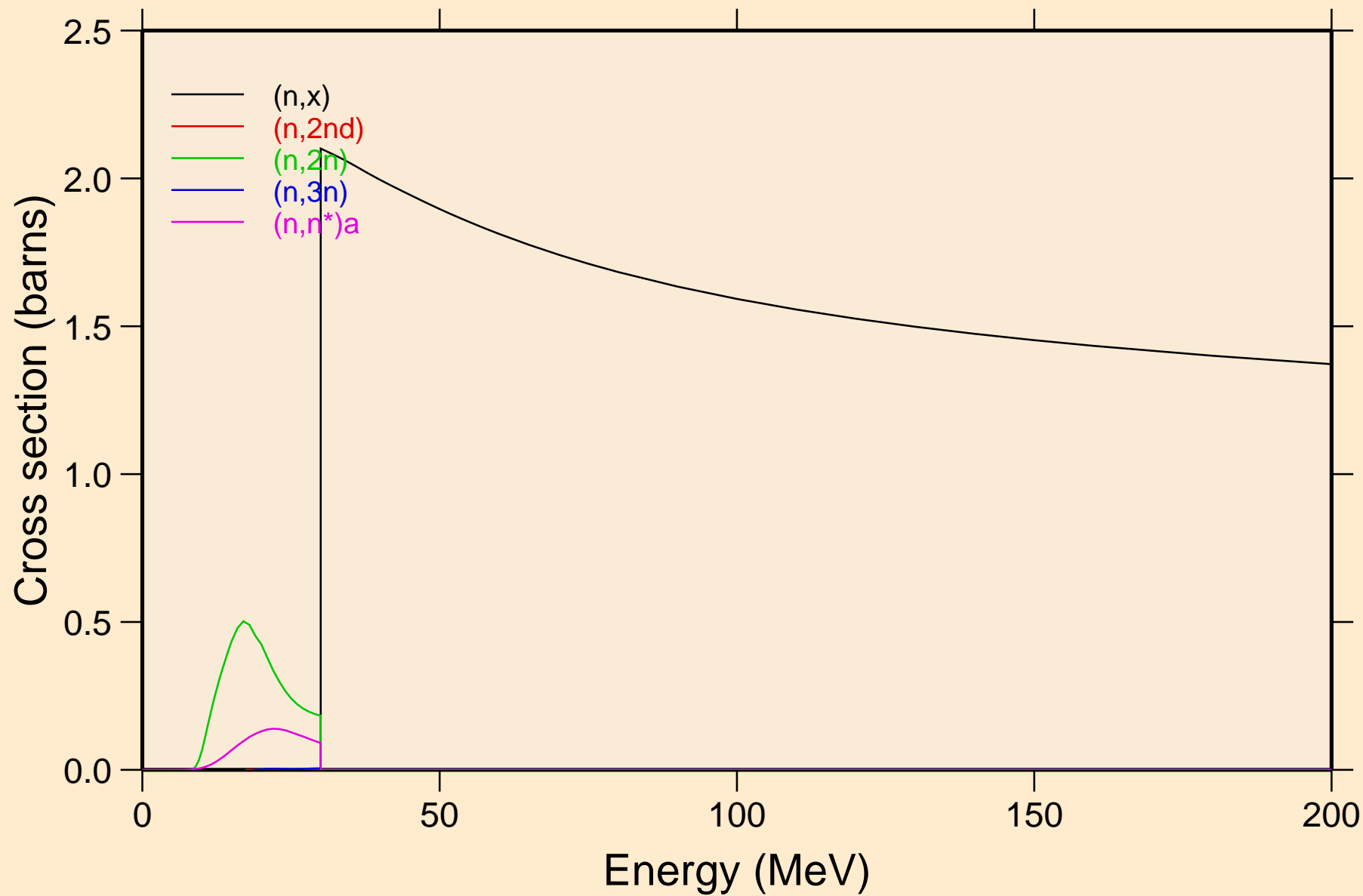
# N-TM154M NRG TENDL-2017, AKONING

## Inelastic levels



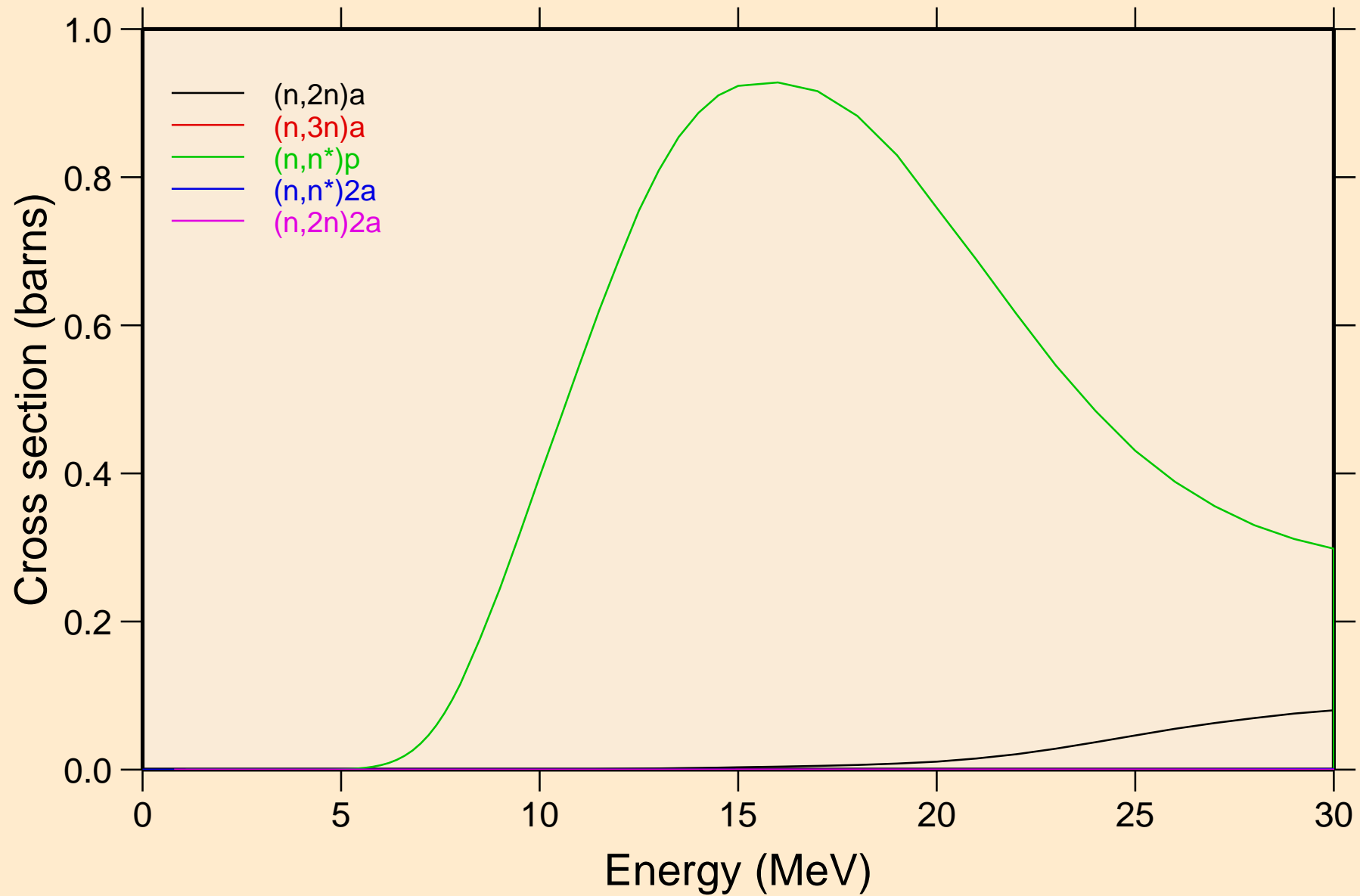
# N-TM154M NRG TENDL-2017, AKONING

## Threshold reactions



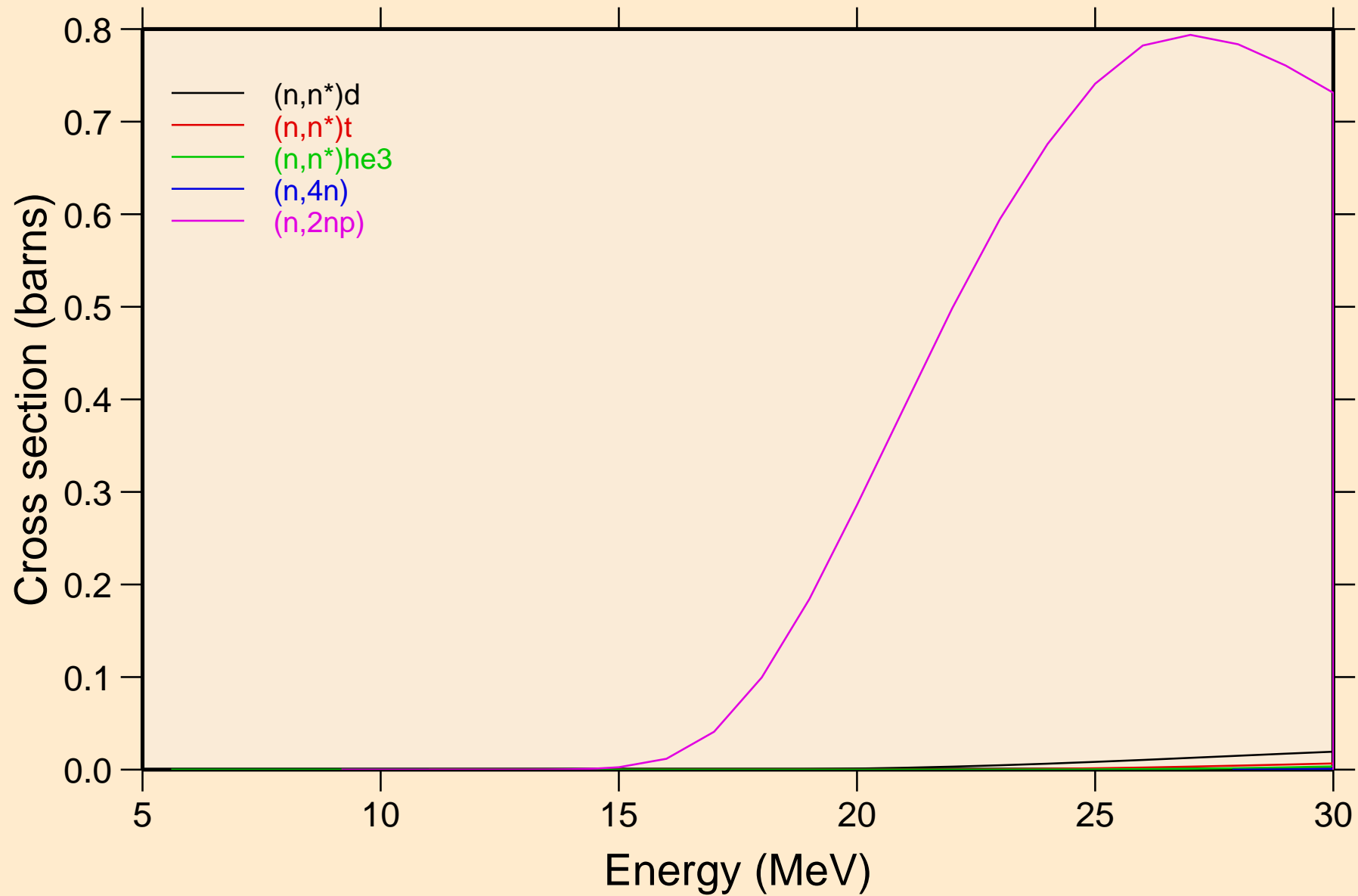
# N-TM154M NRG TENDL-2017, AKONING

## Threshold reactions



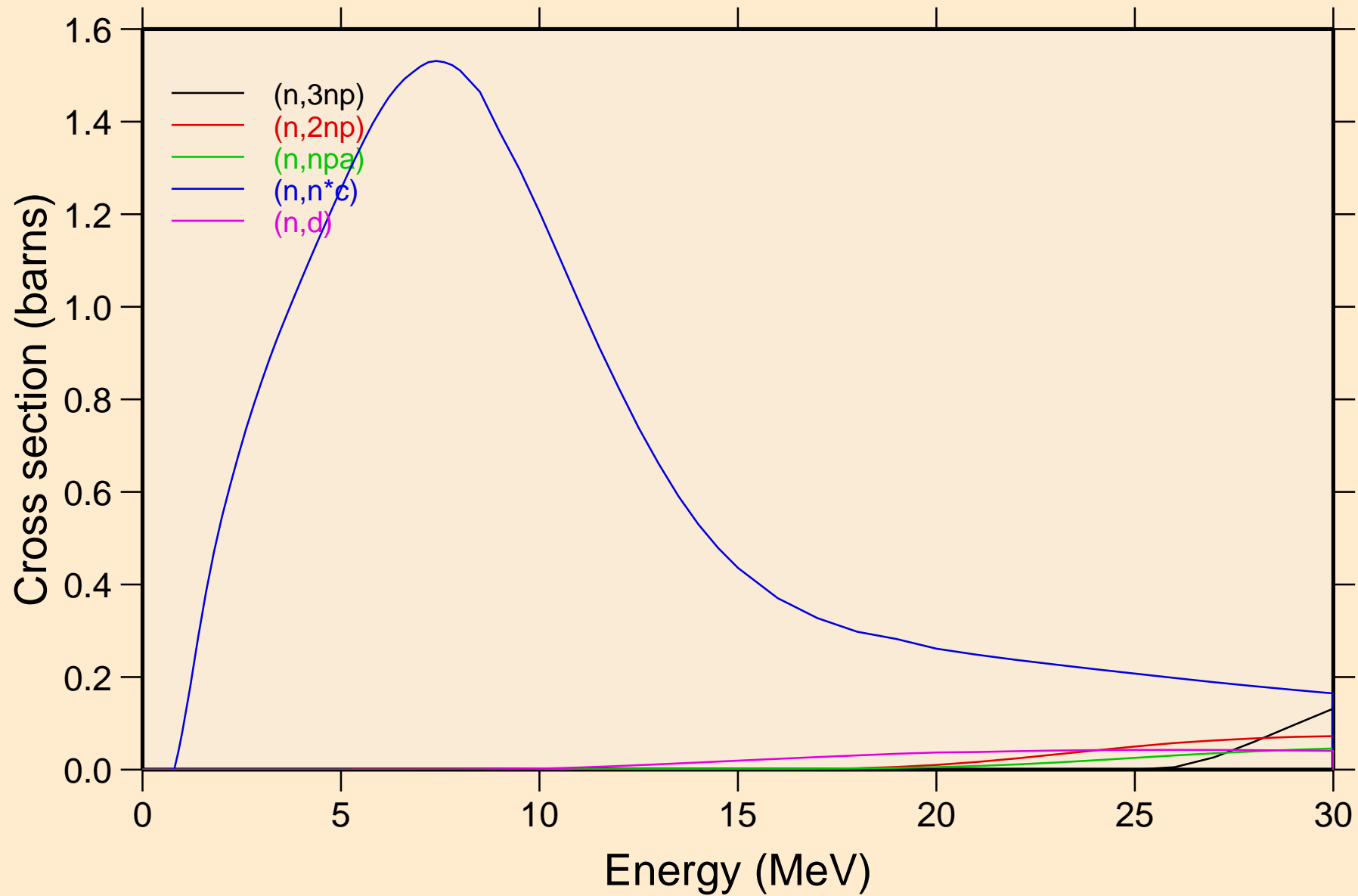
# N-TM154M NRG TENDL-2017, AKONING

## Threshold reactions



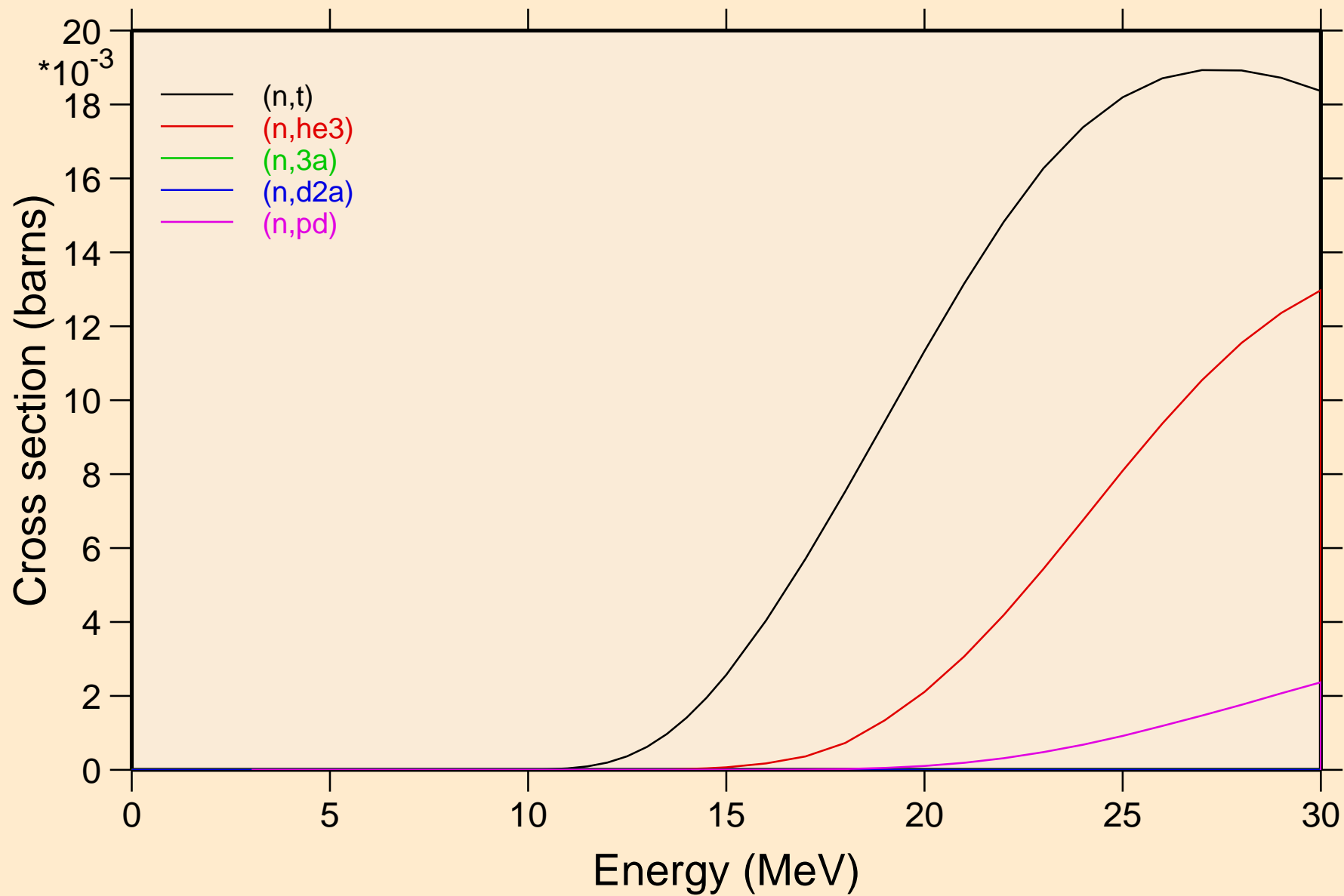
# N-TM154M NRG TENDL-2017, AKONING

## Threshold reactions



# N-TM154M NRG TENDL-2017, AKONING

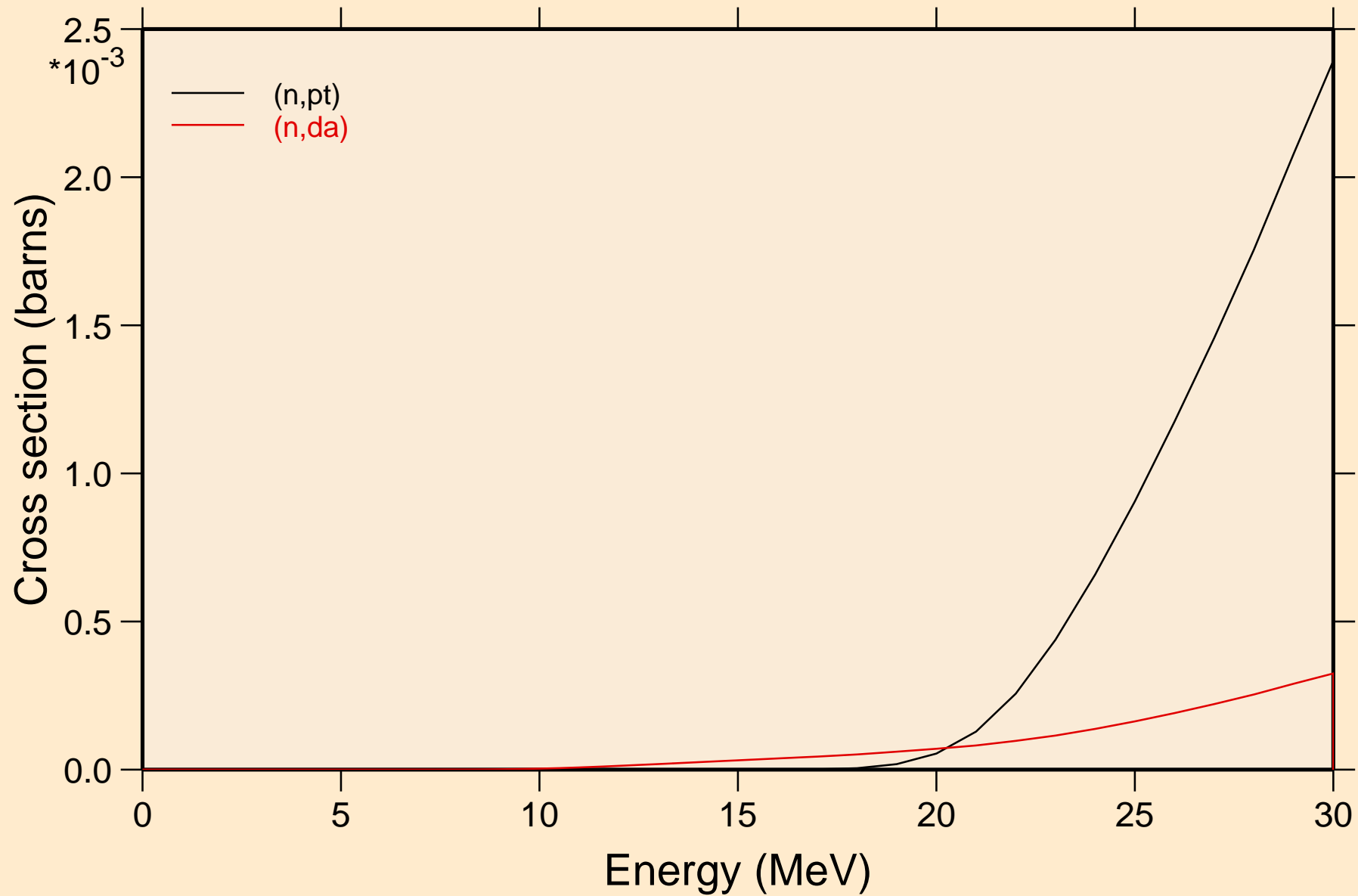
## Threshold reactions



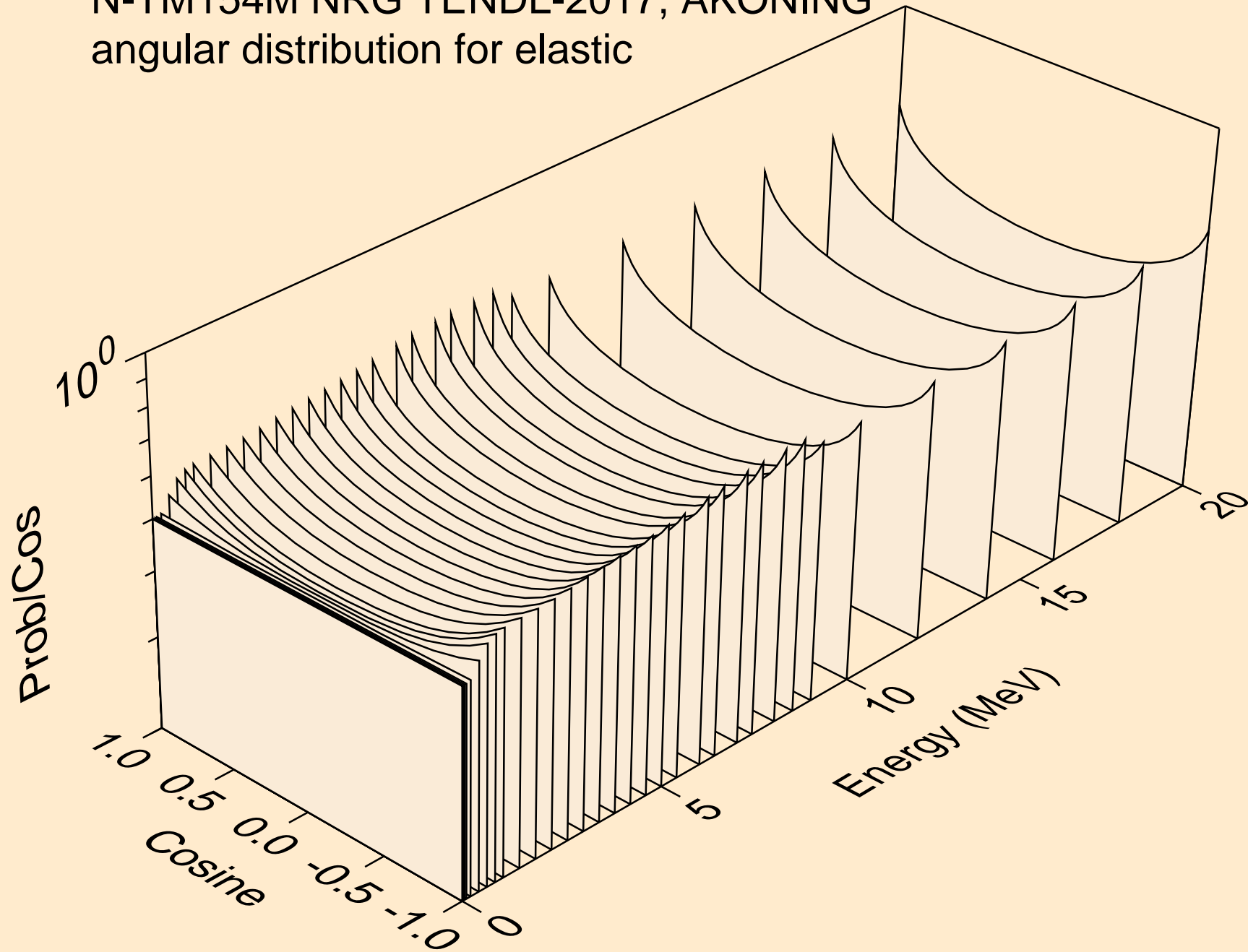


# N-TM154M NRG TENDL-2017, AKONING

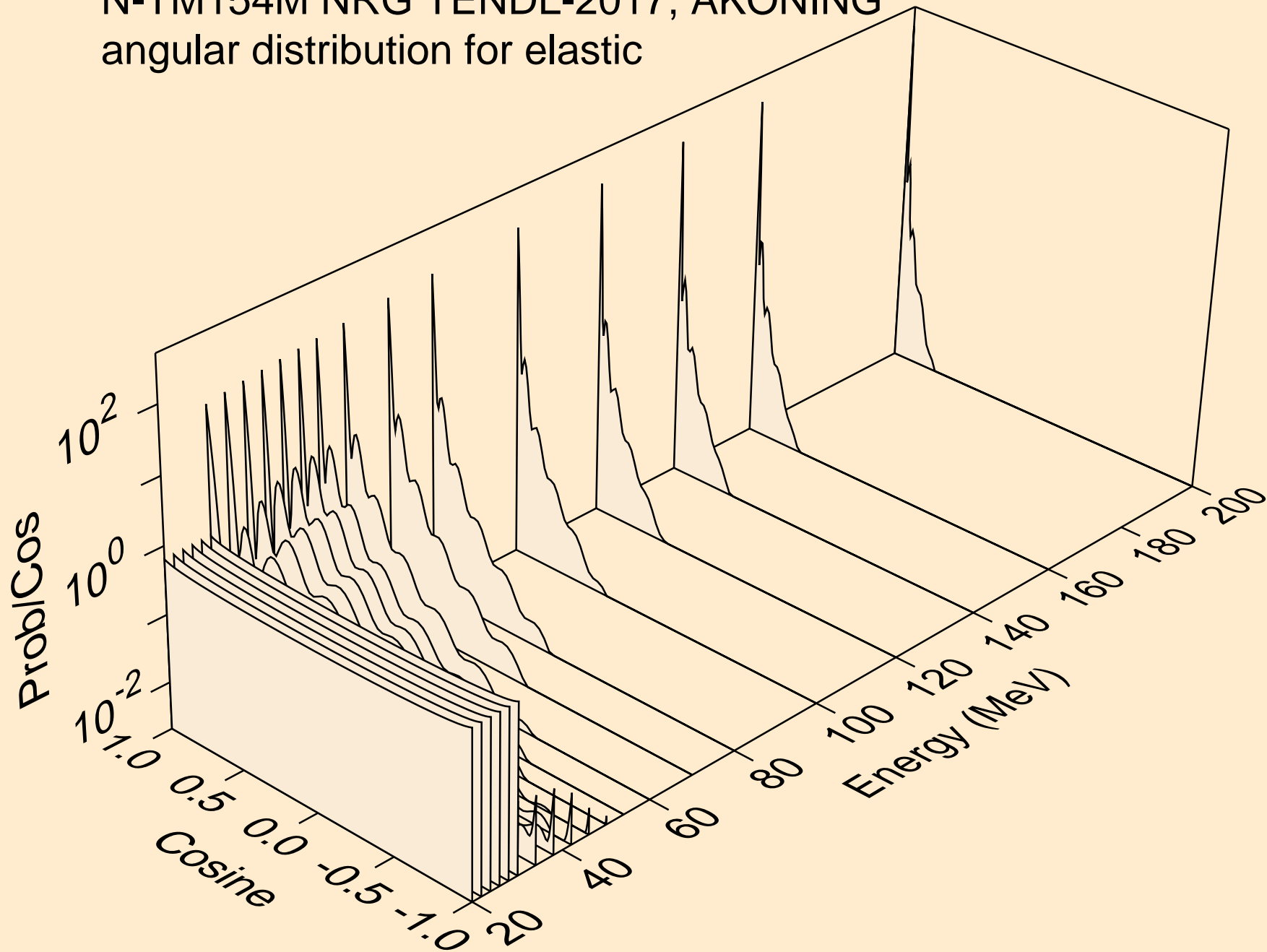
## Threshold reactions



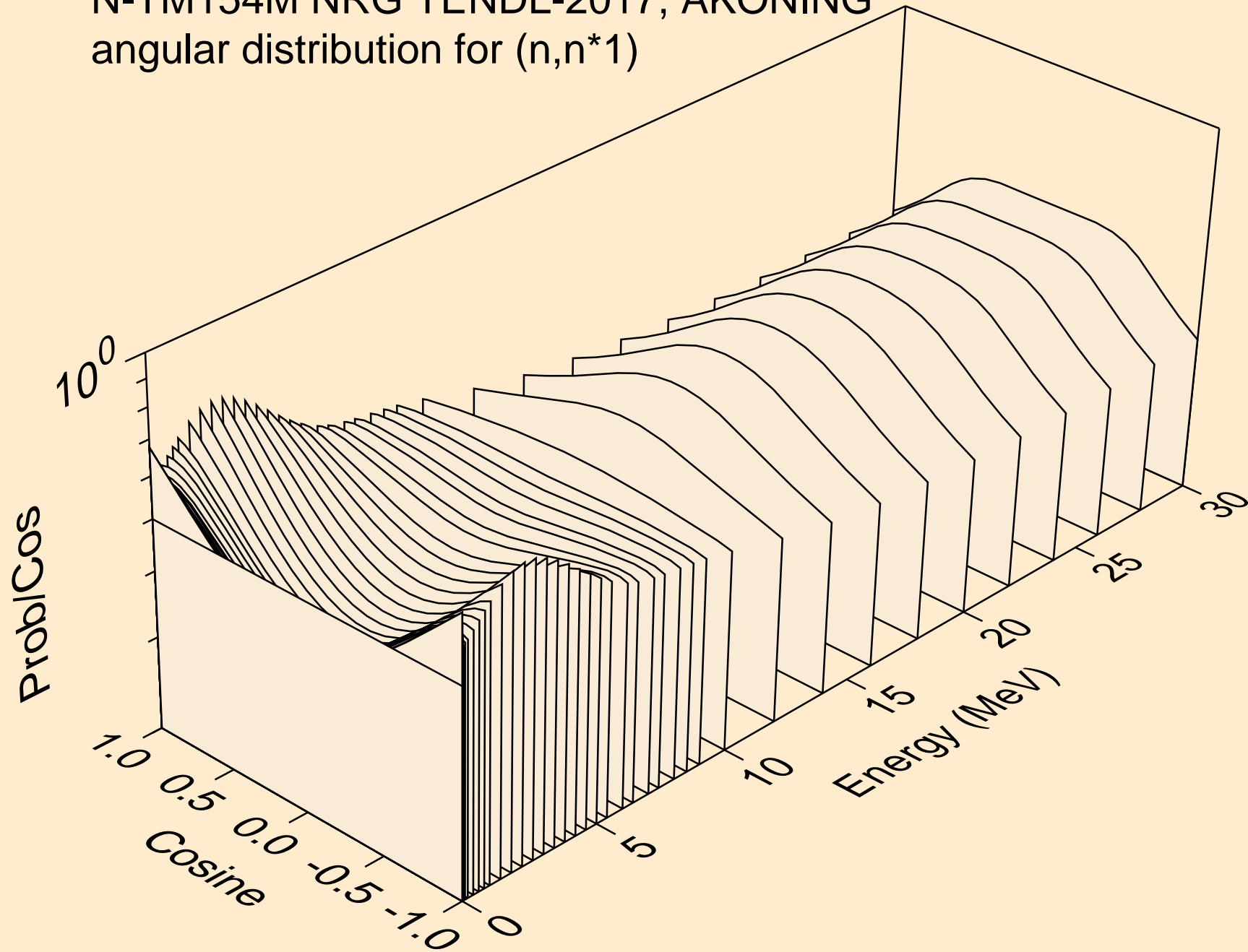
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for elastic



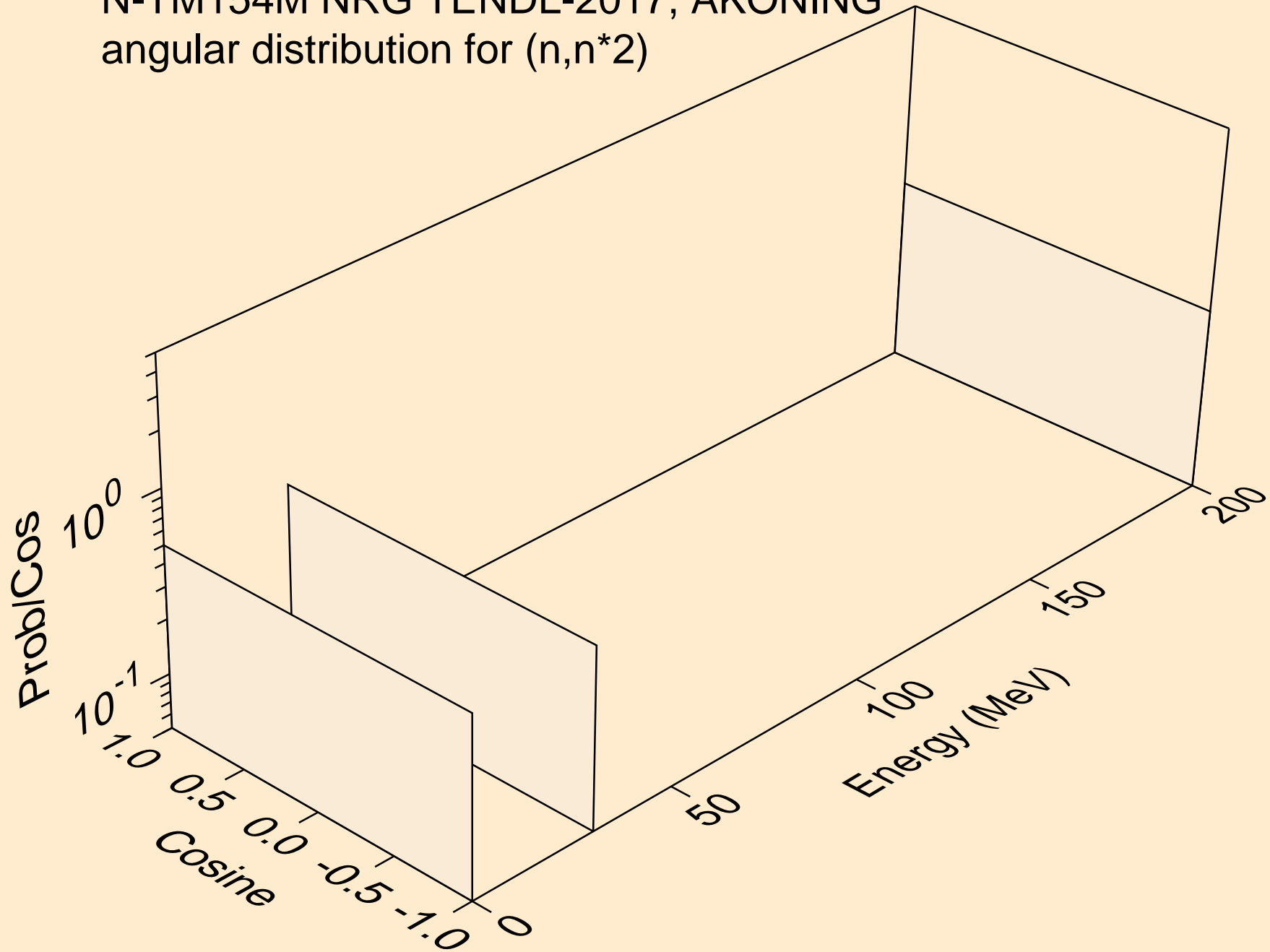
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for elastic



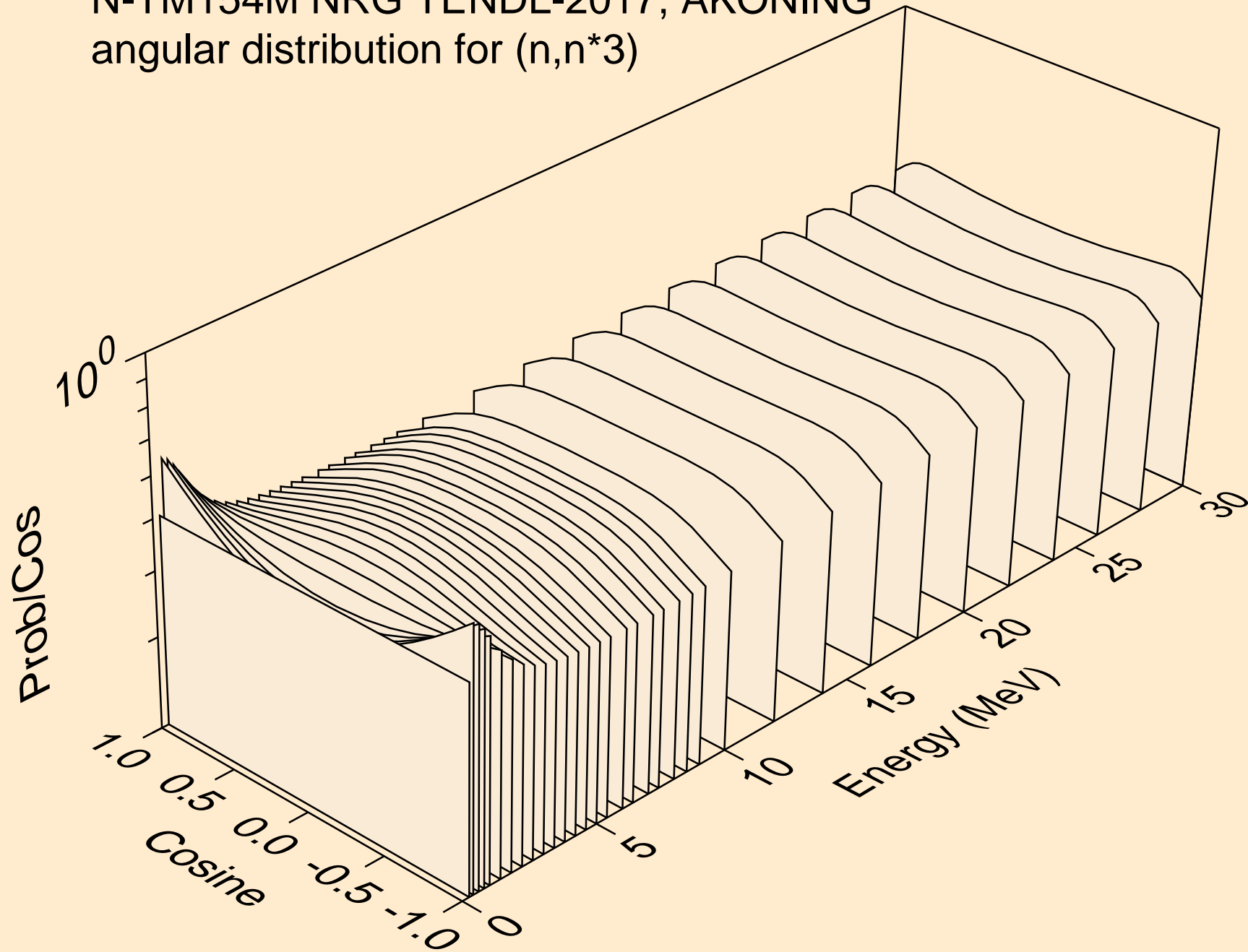
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*1)



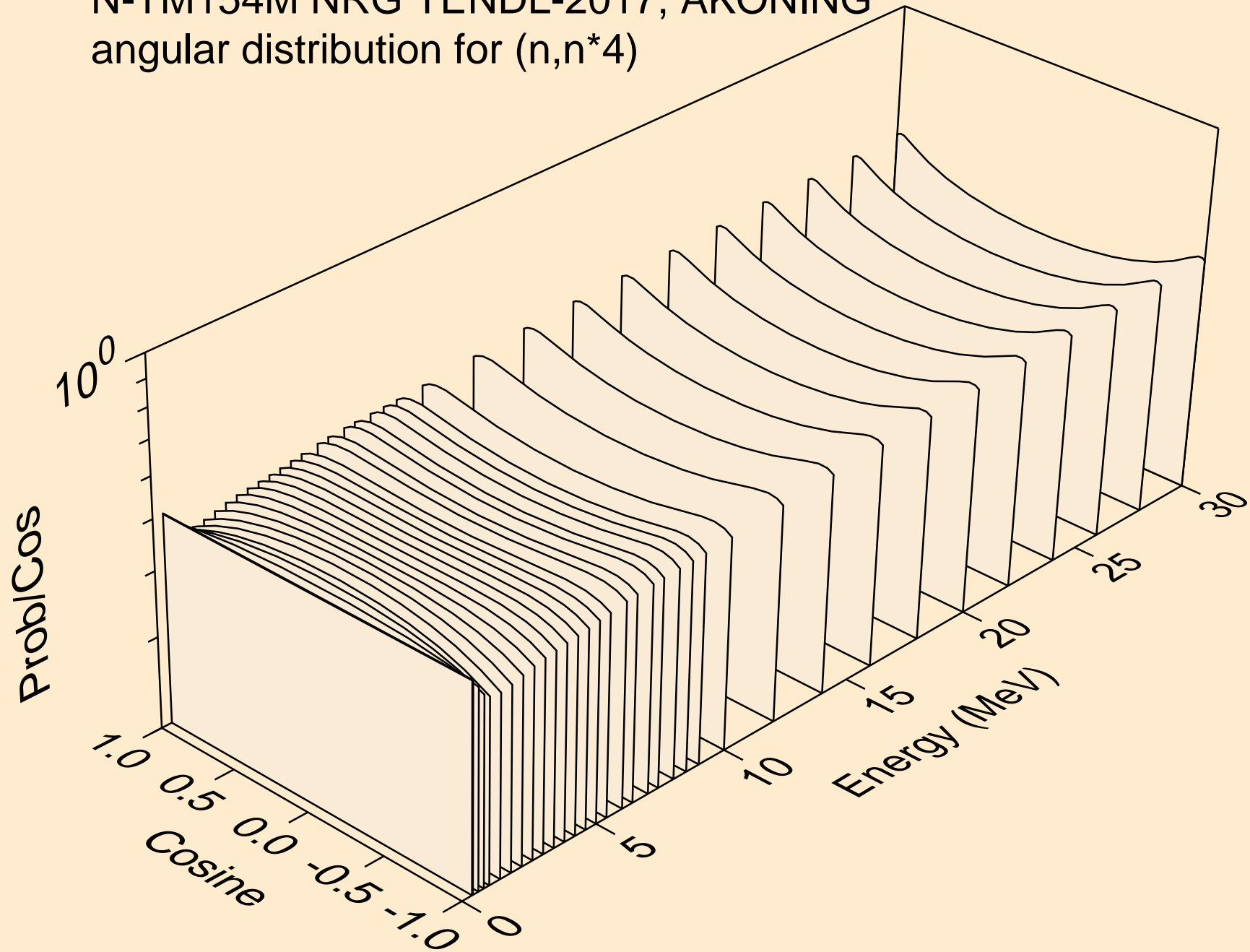
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*2)



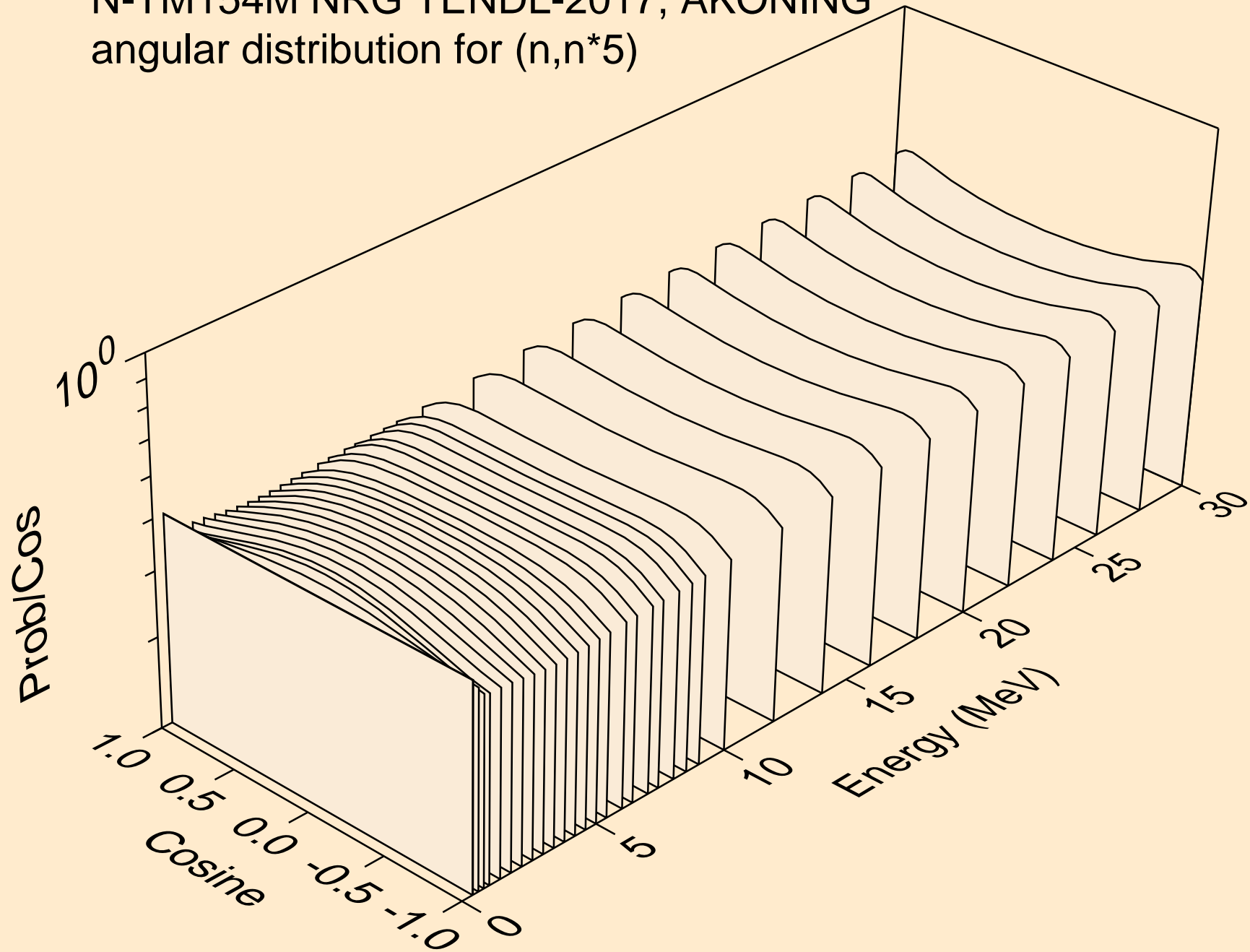
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*3)



N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*4)

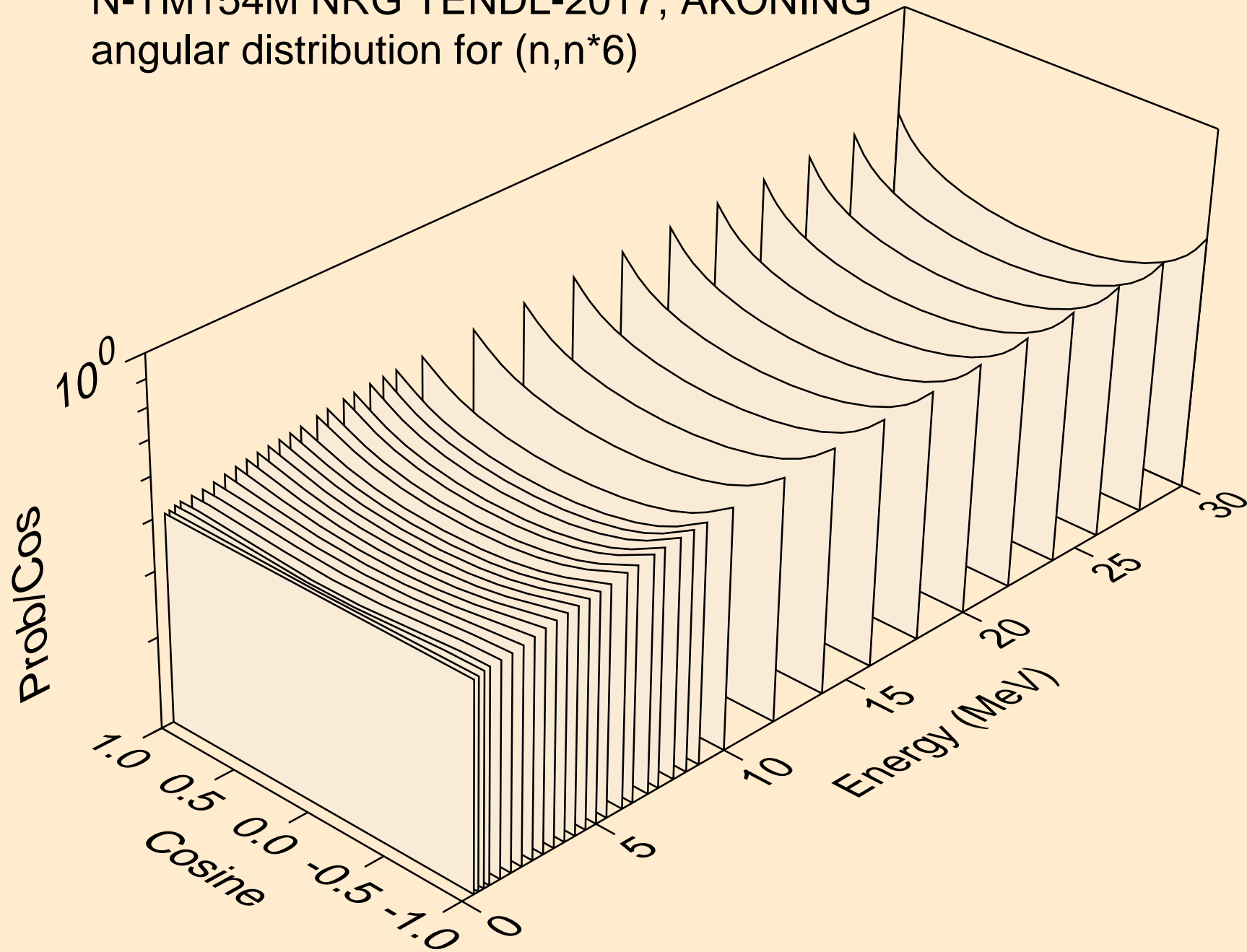


N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*5)

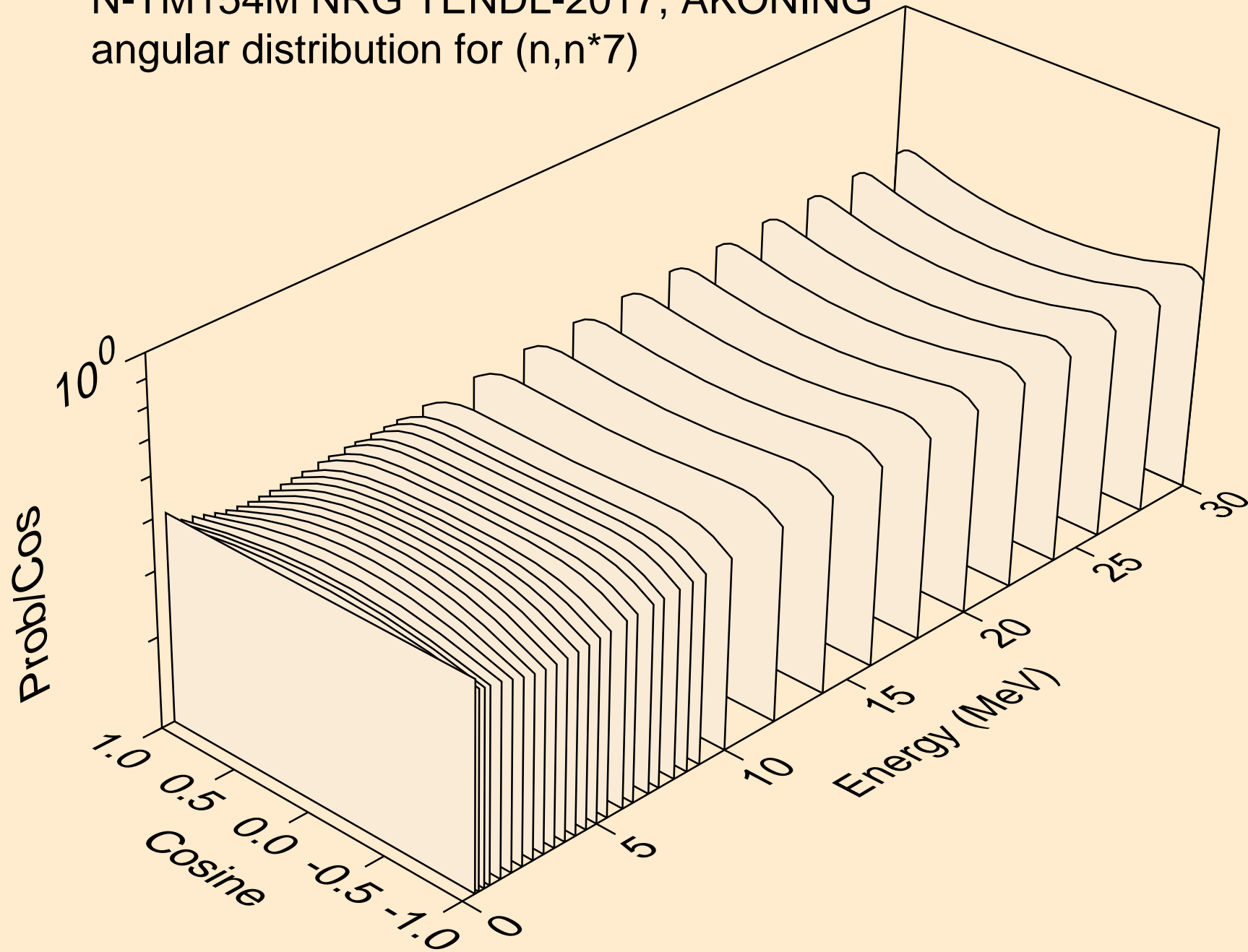




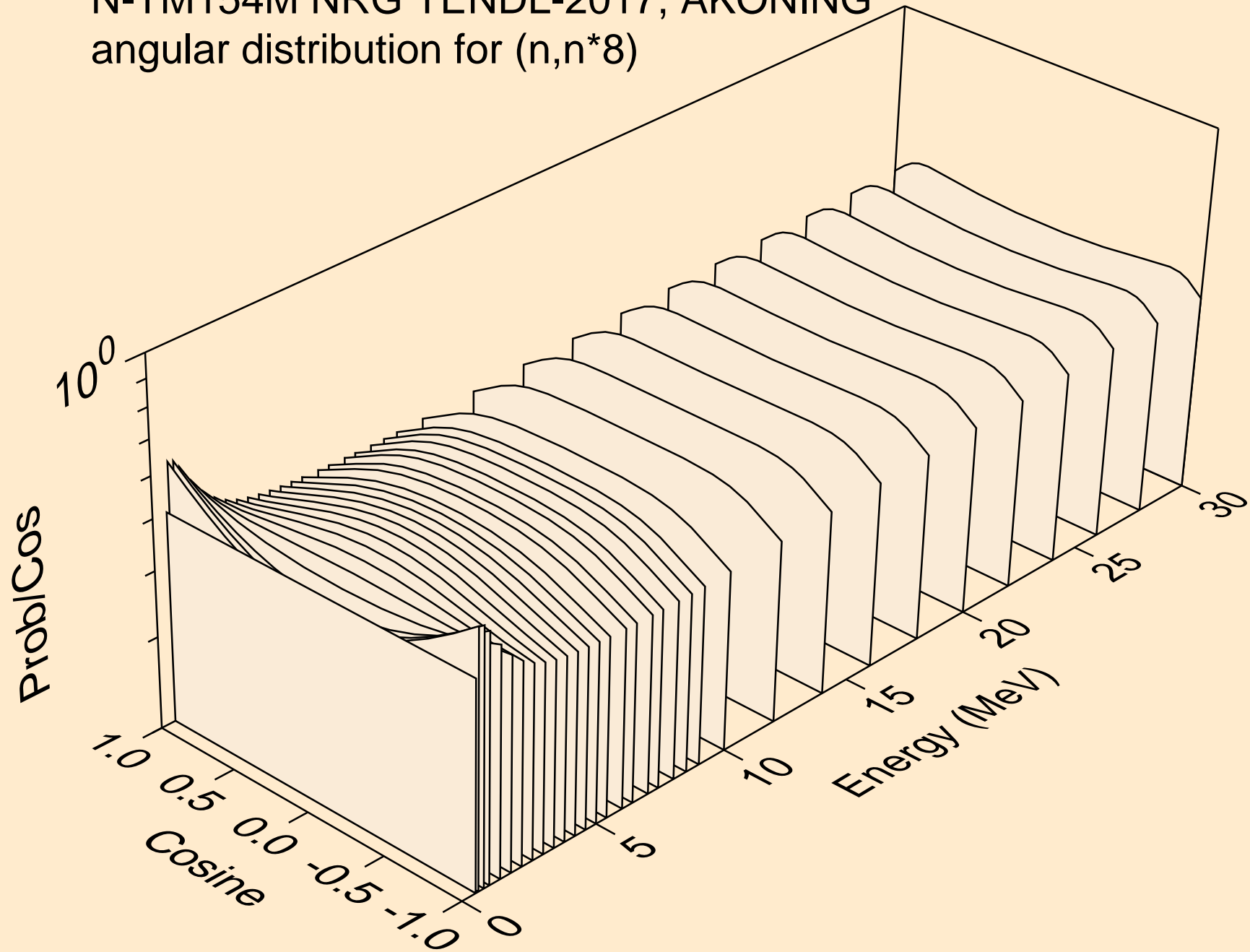
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angular distribution for (n,n\*6)



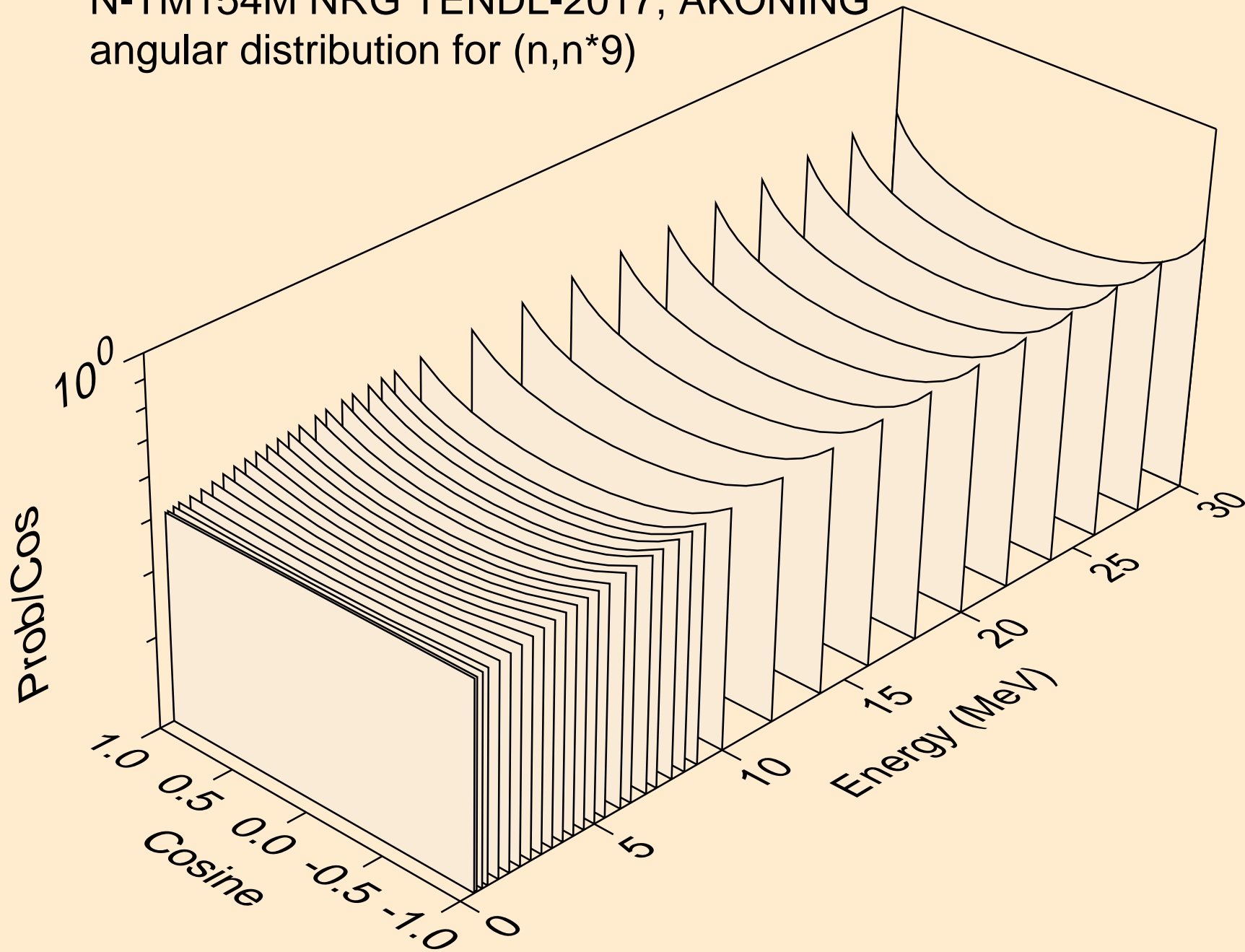
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angular distribution for (n,n\*7)



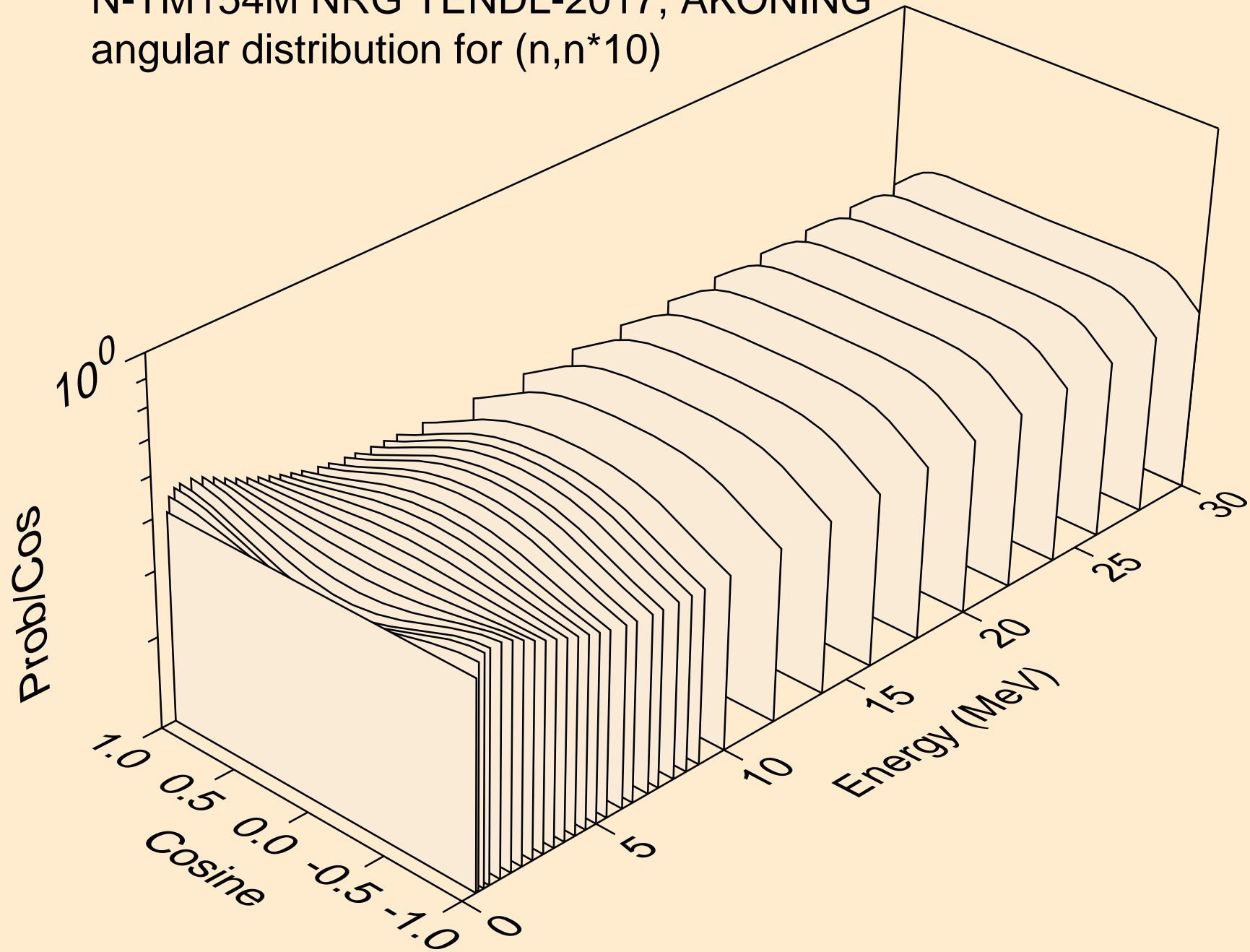
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*8)



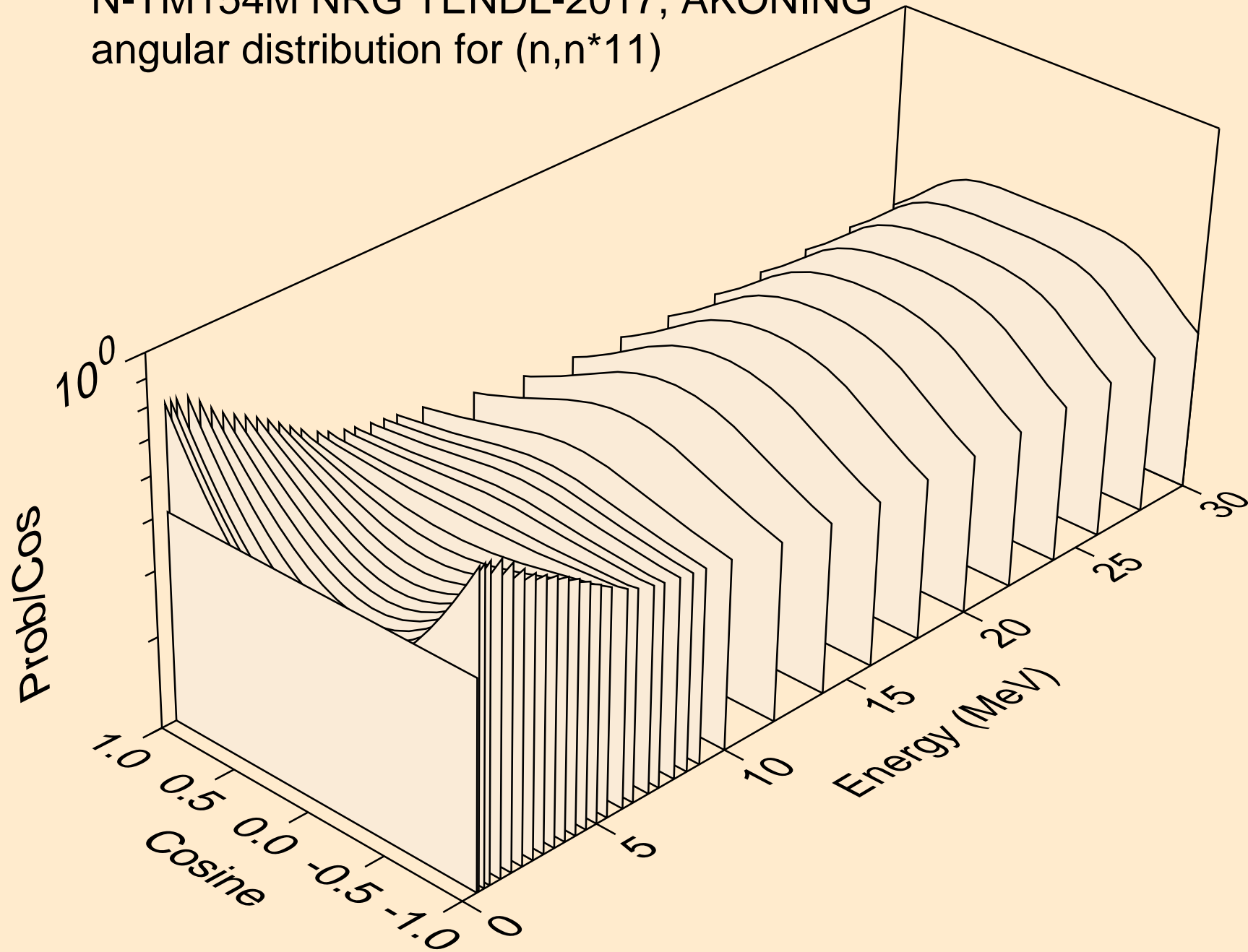
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*9)



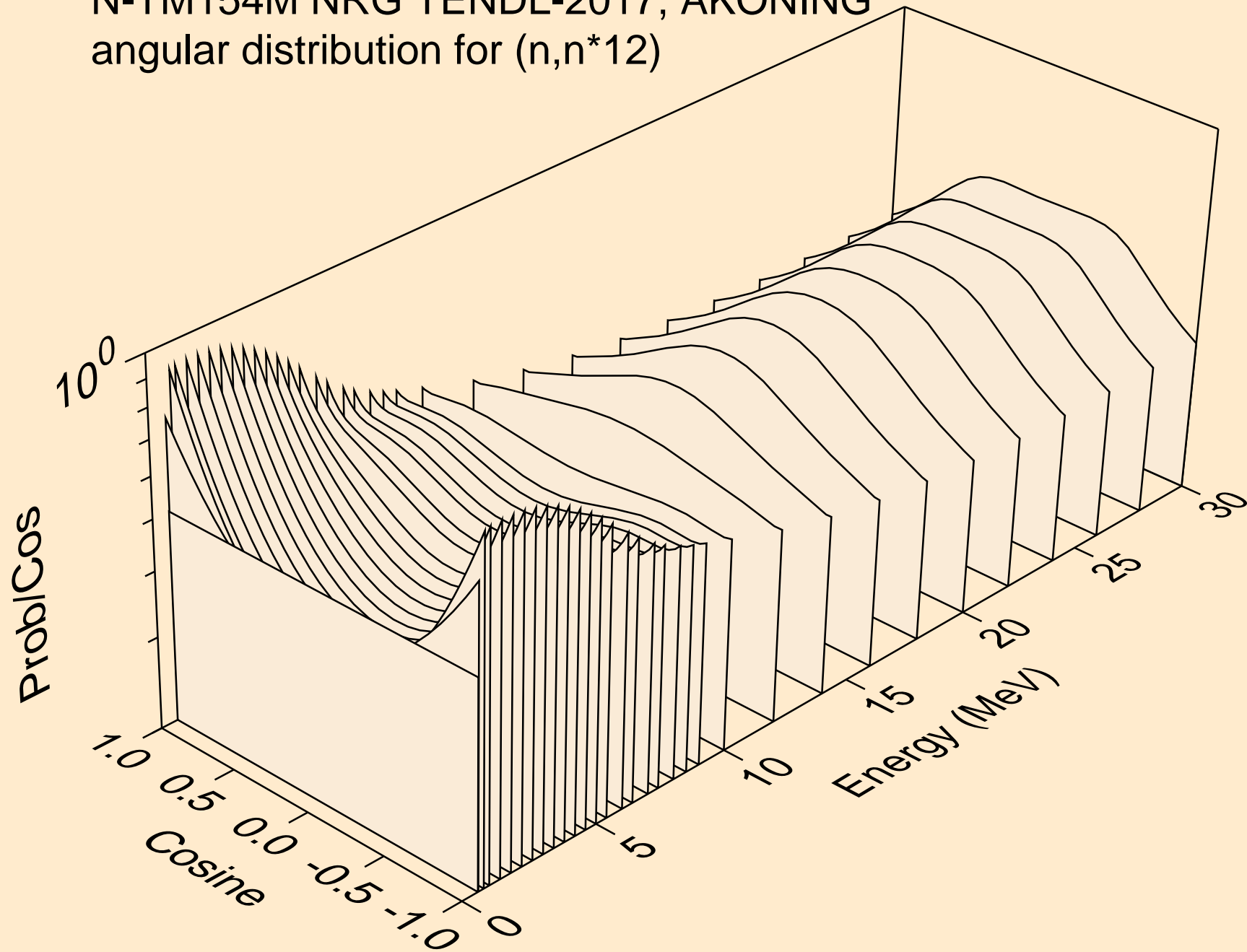
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angular distribution for (n,n\*10)



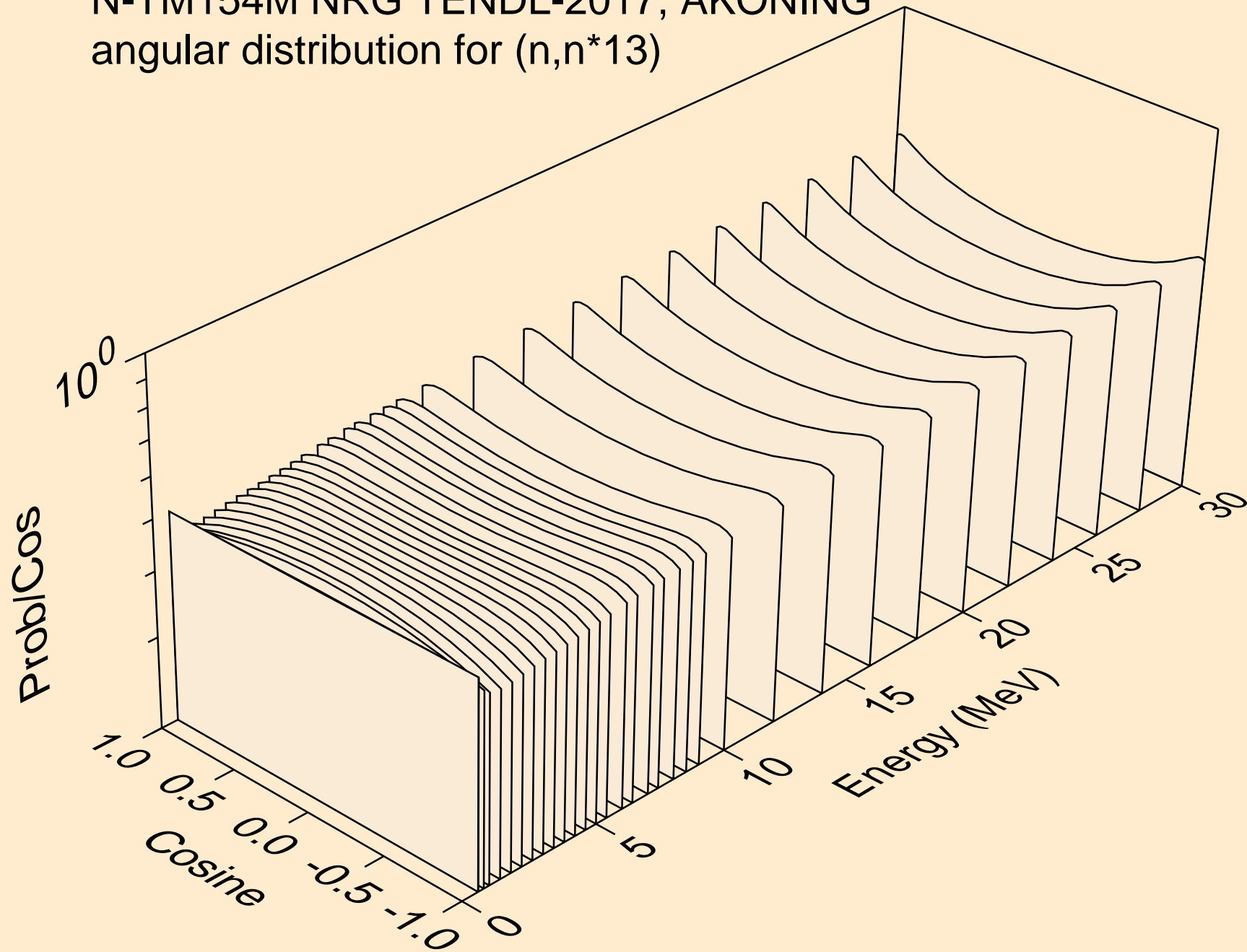
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*11)



N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*12)

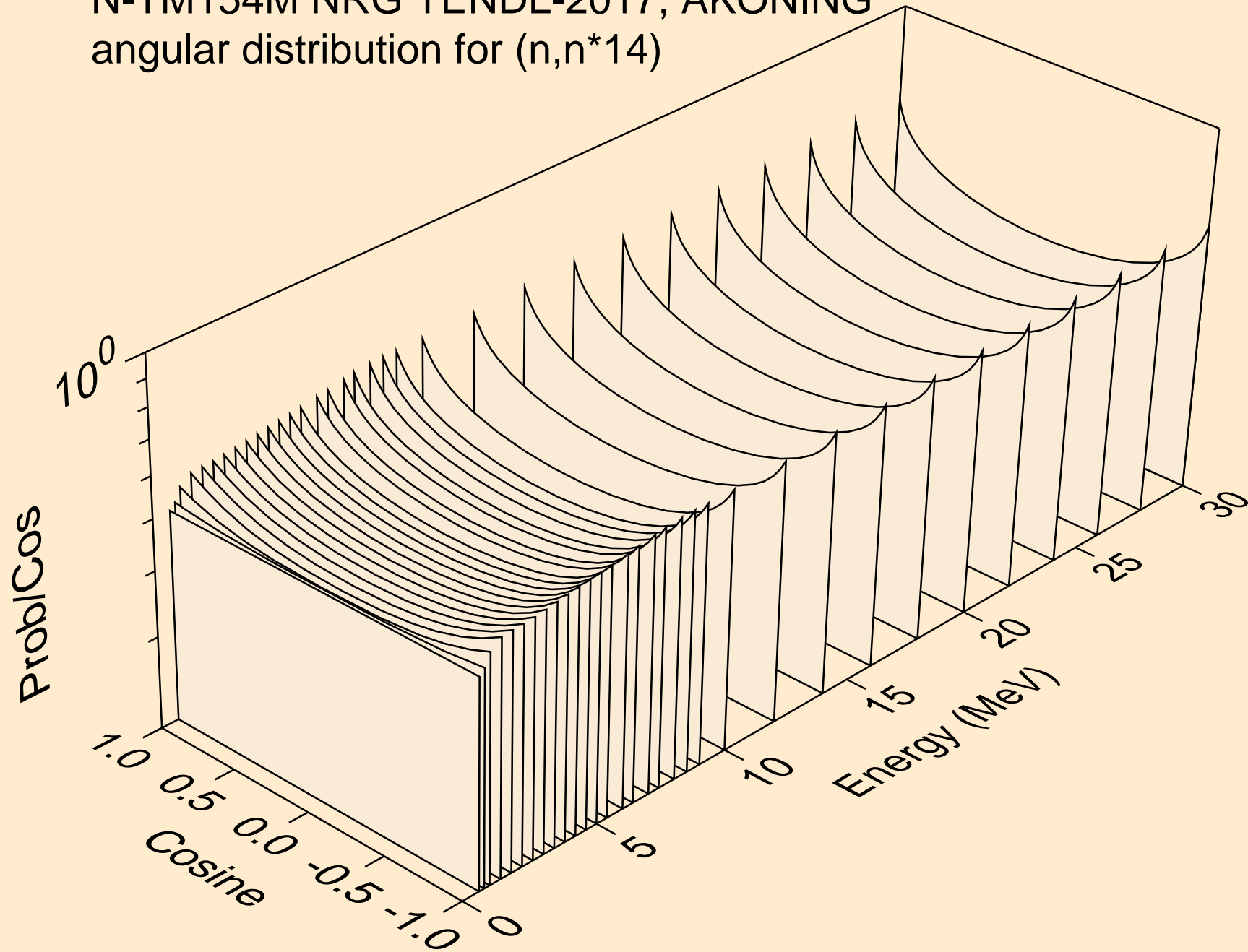


N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*13)

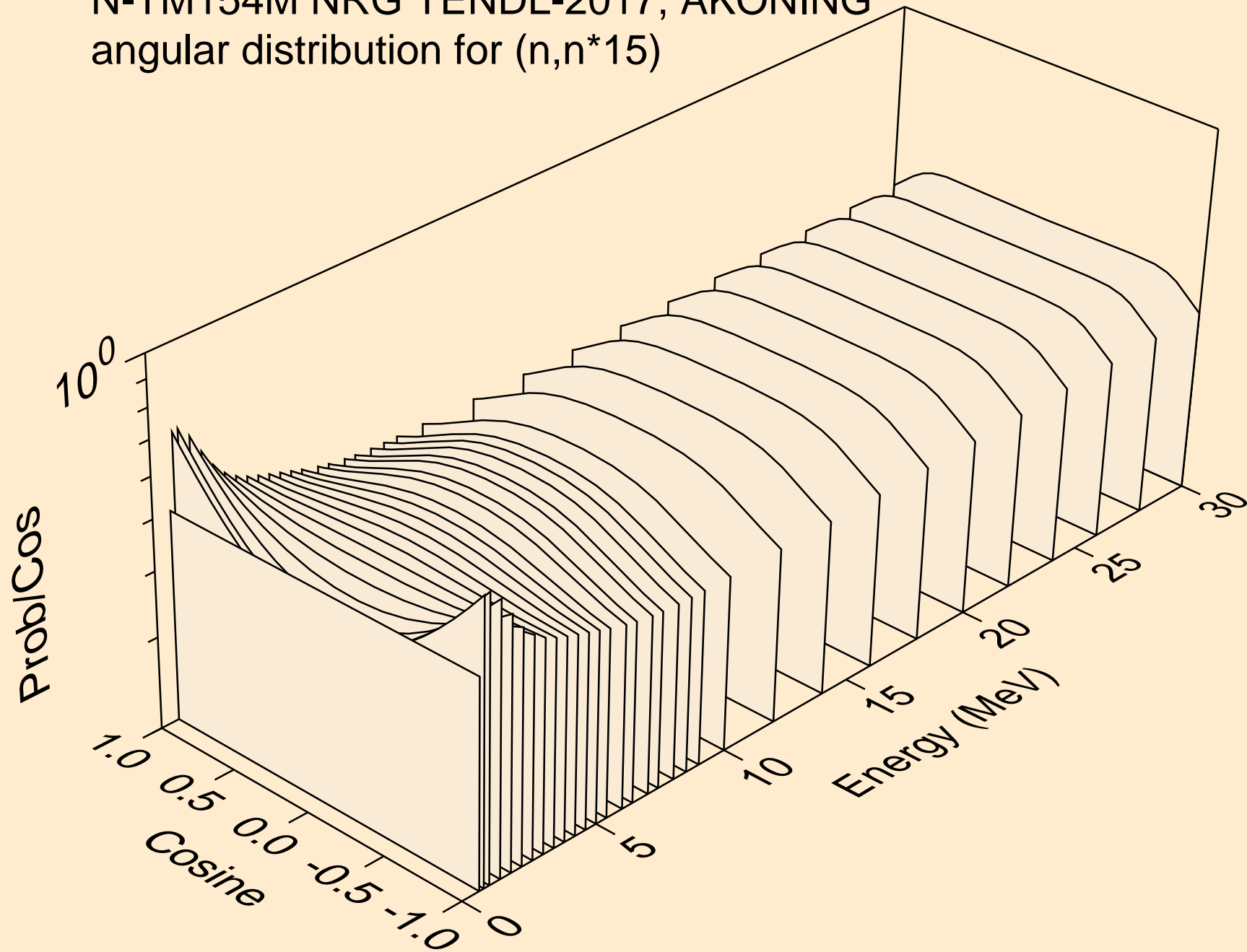




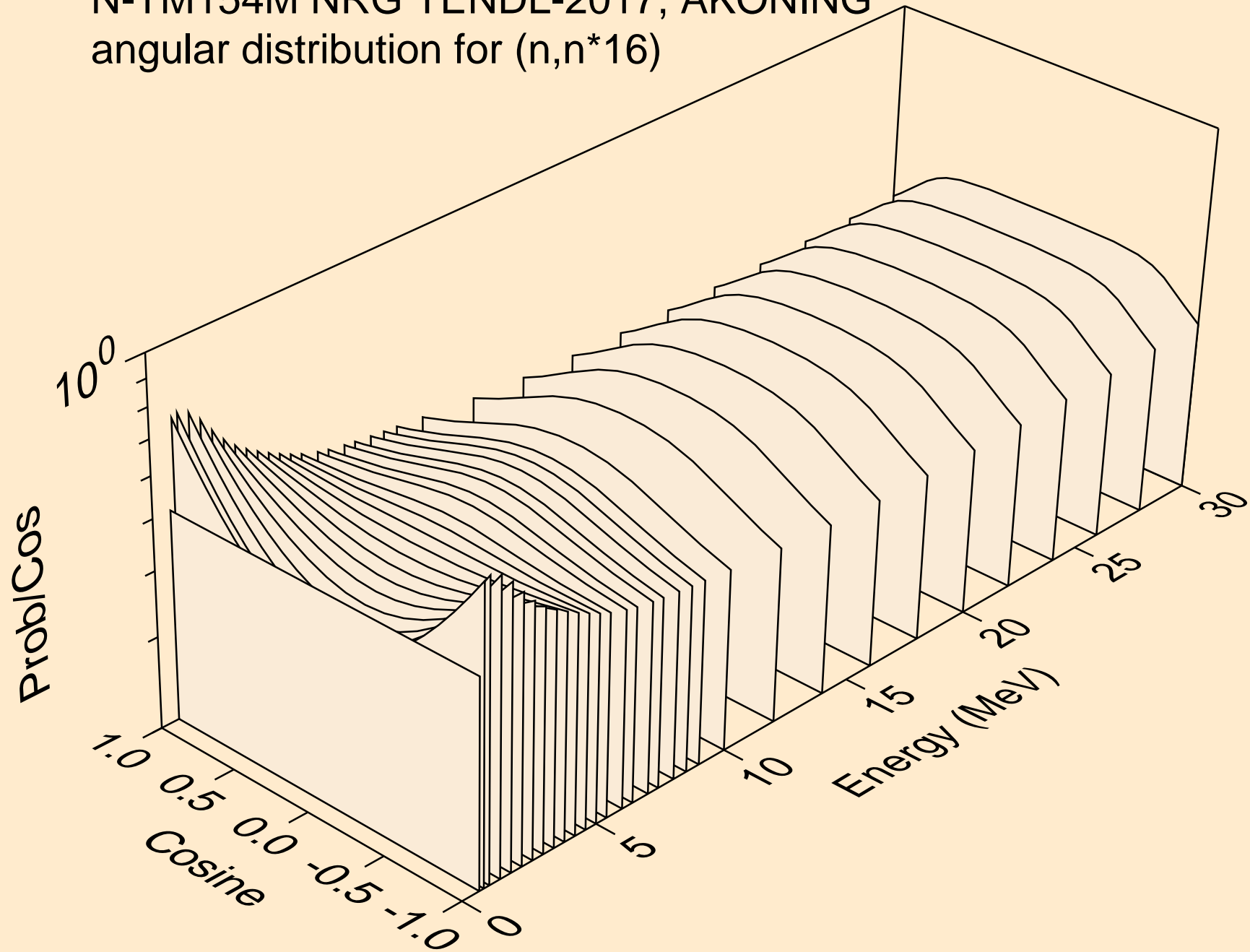
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angular distribution for (n,n\*14)



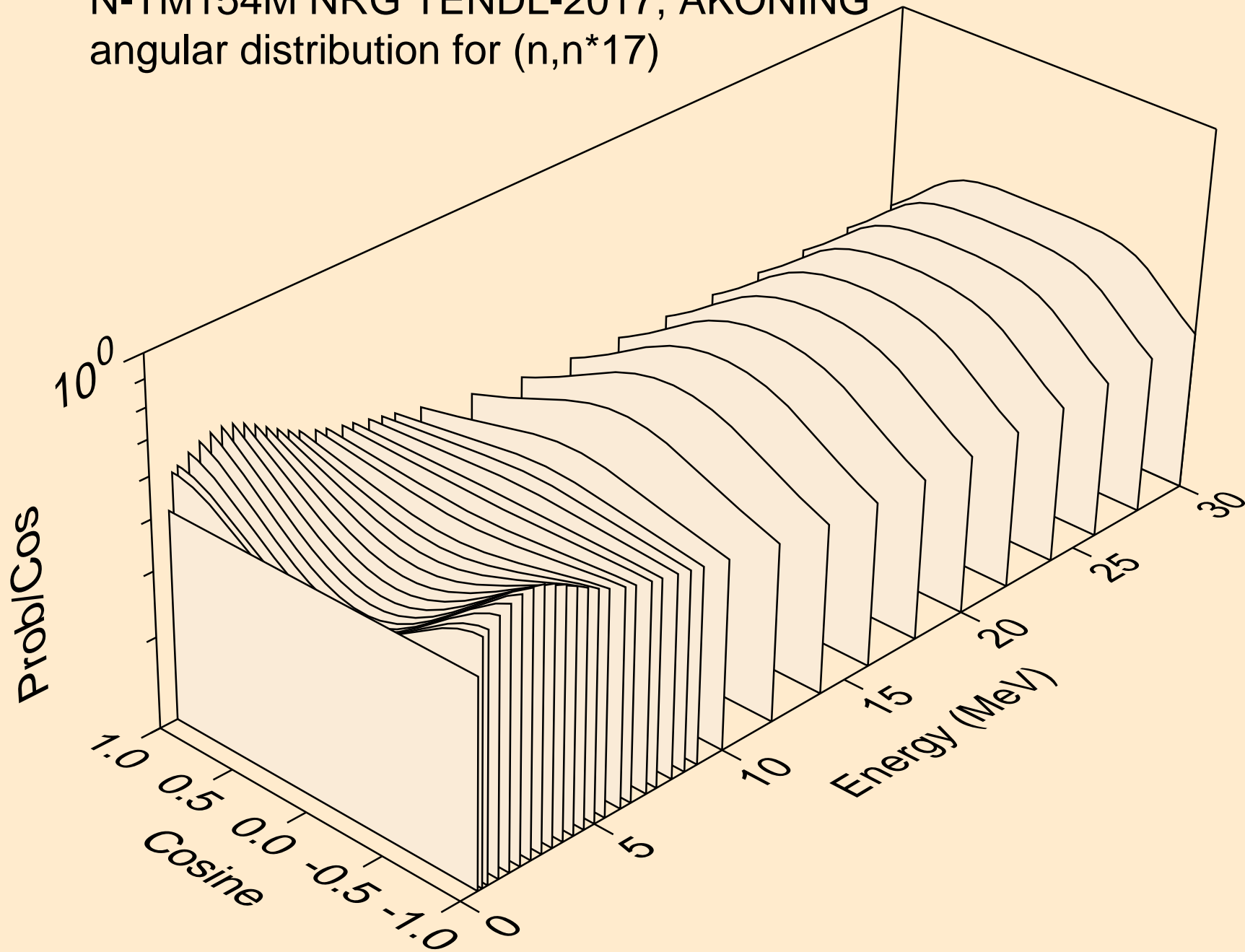
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angular distribution for (n,n\*15)



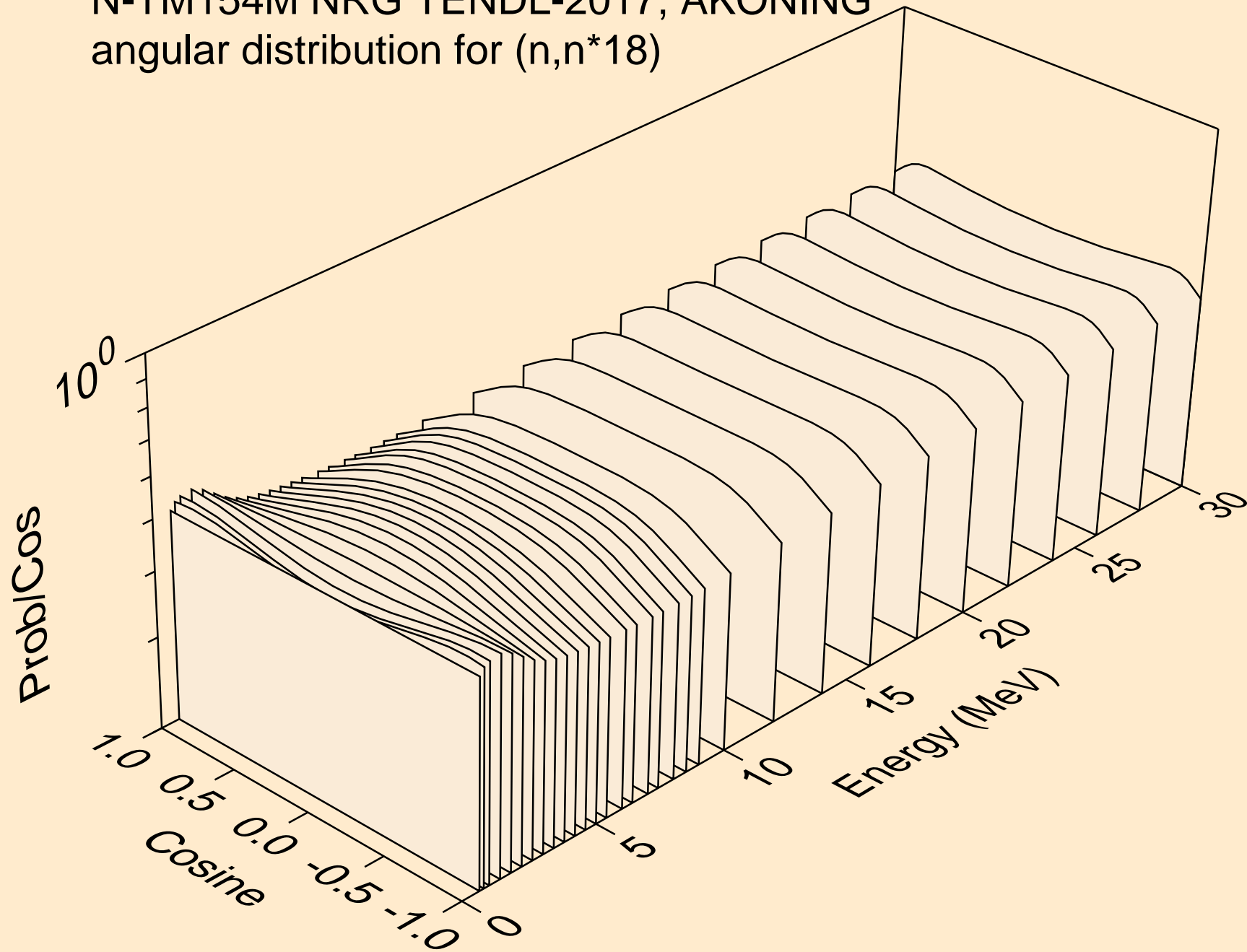
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angular distribution for (n,n\*16)



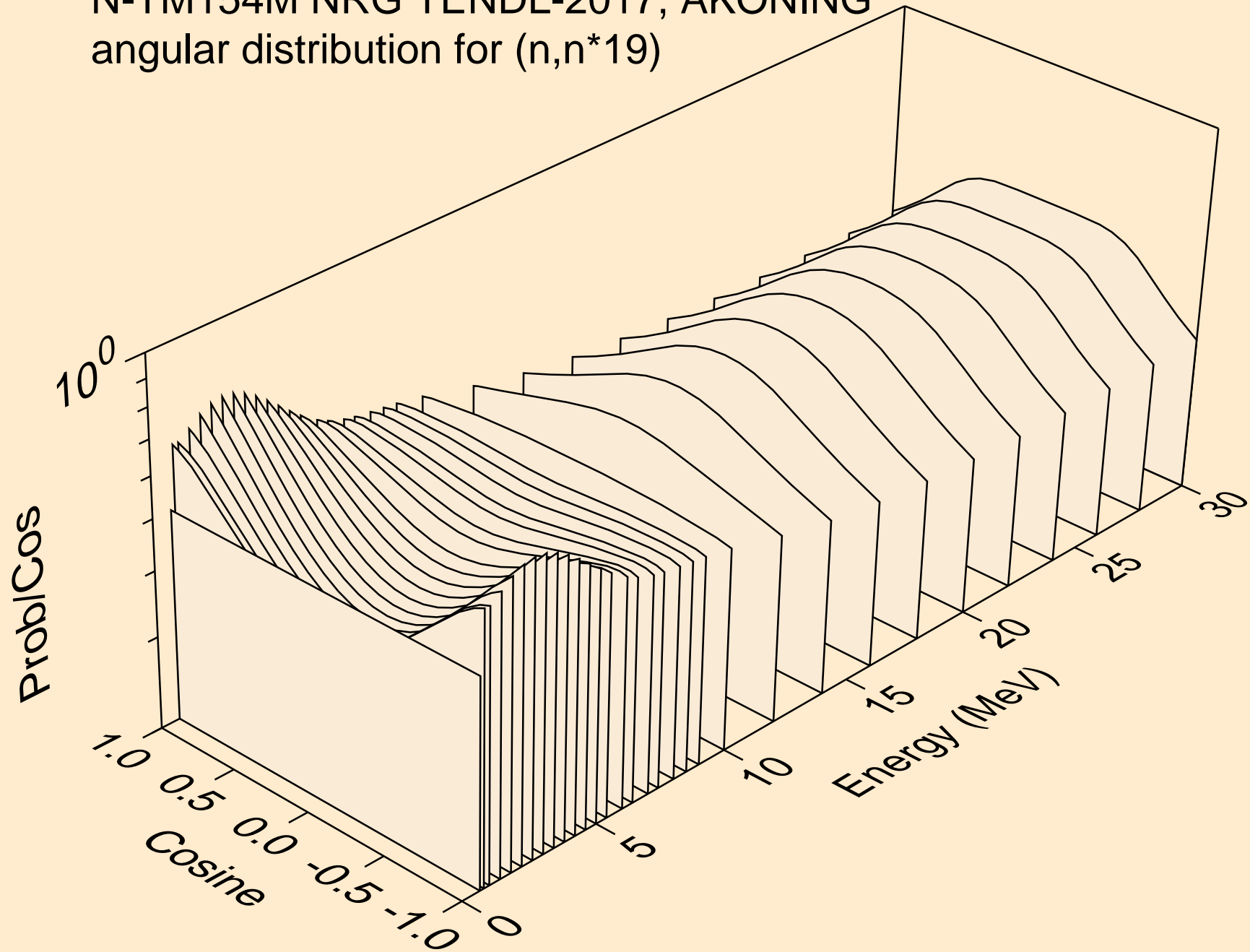
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angular distribution for (n,n\*17)



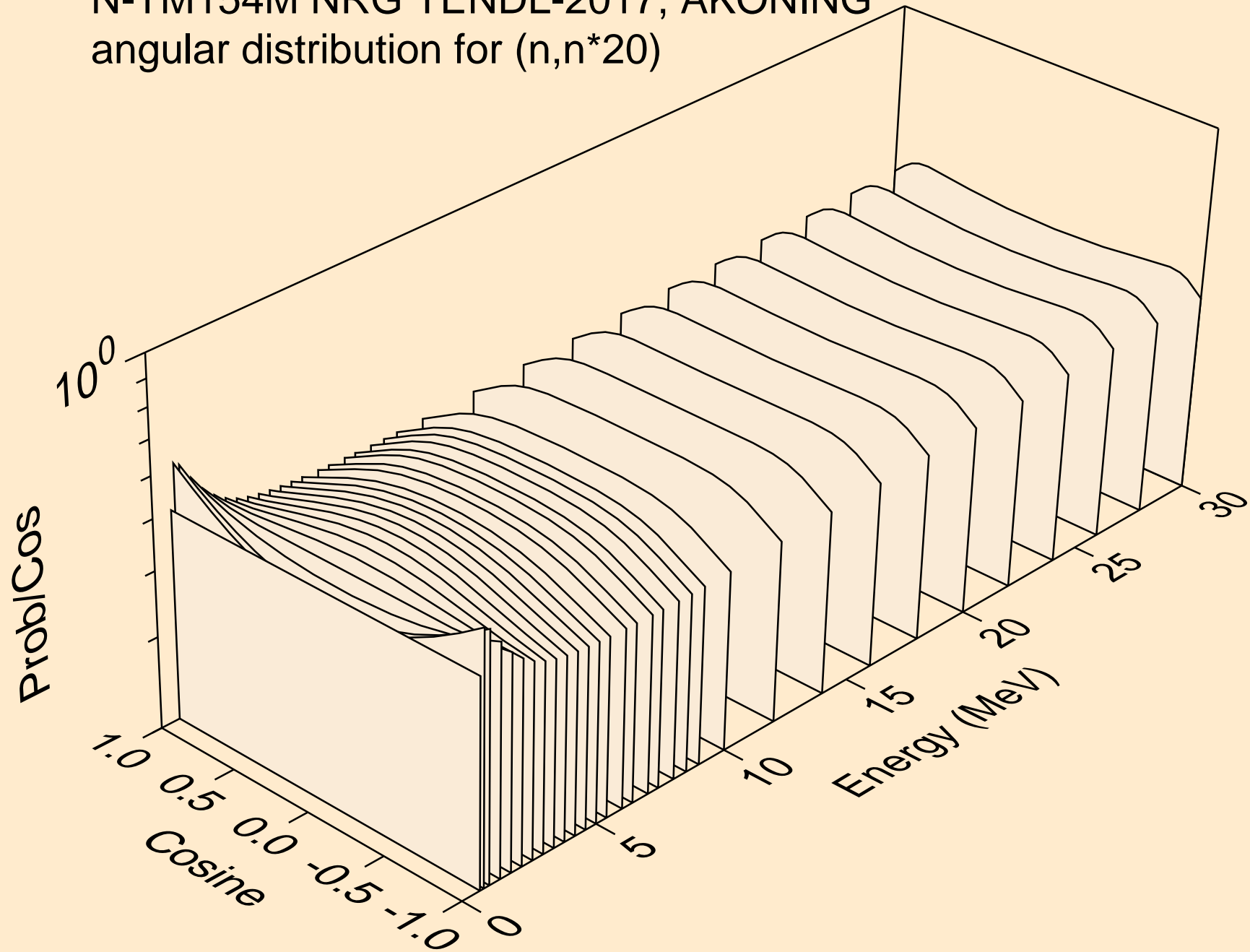
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angular distribution for (n,n\*18)



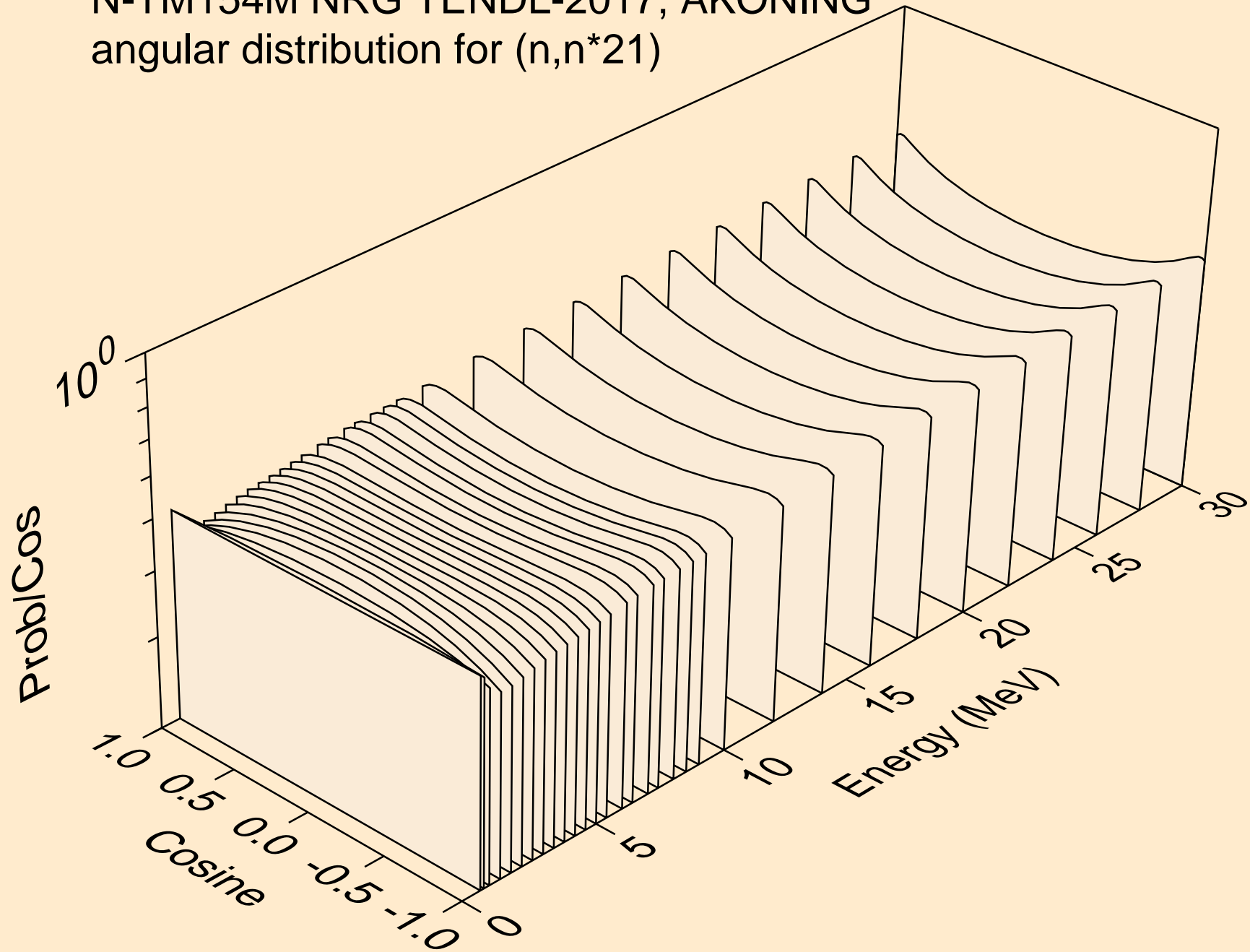
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*19)



N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*20)

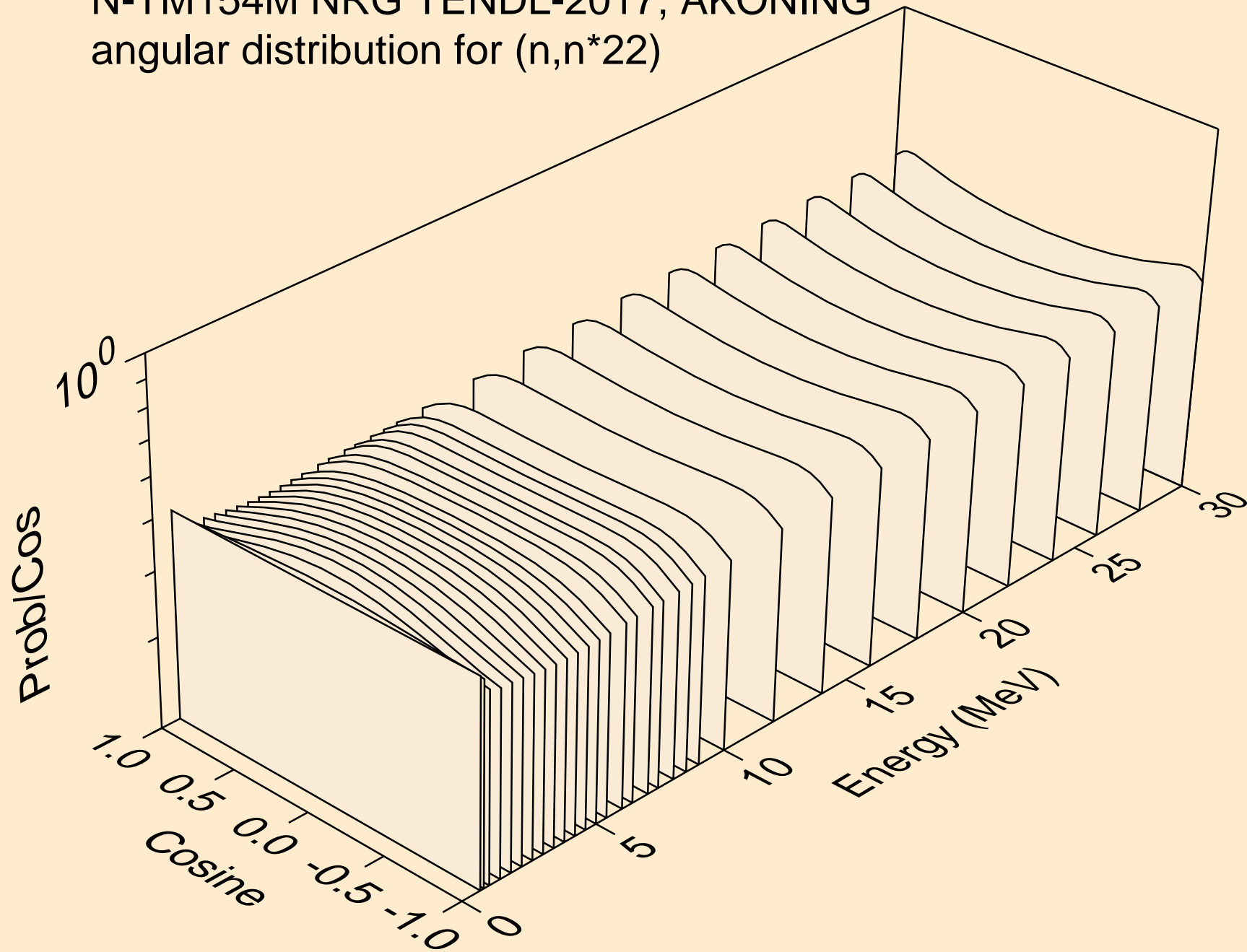


N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*21)

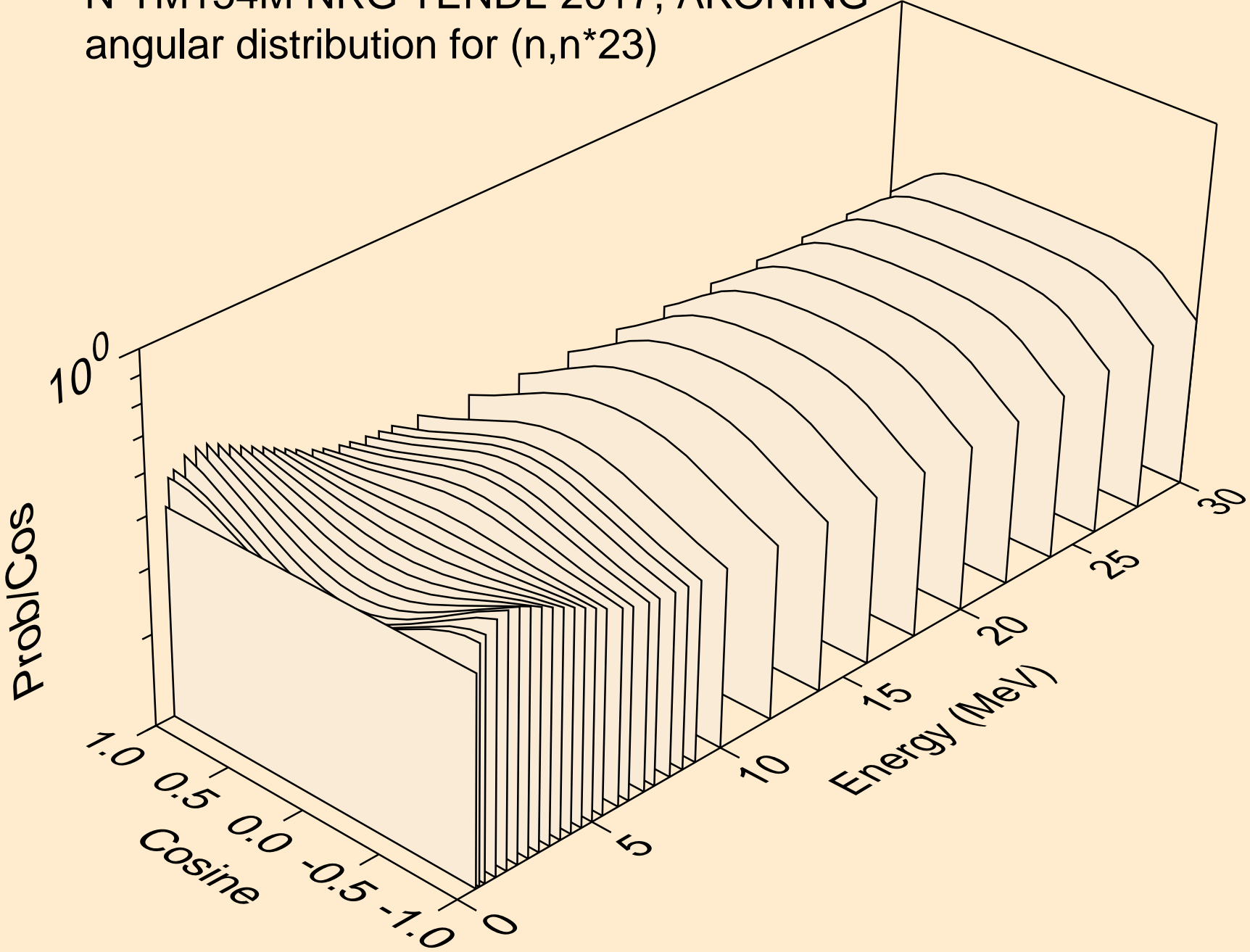




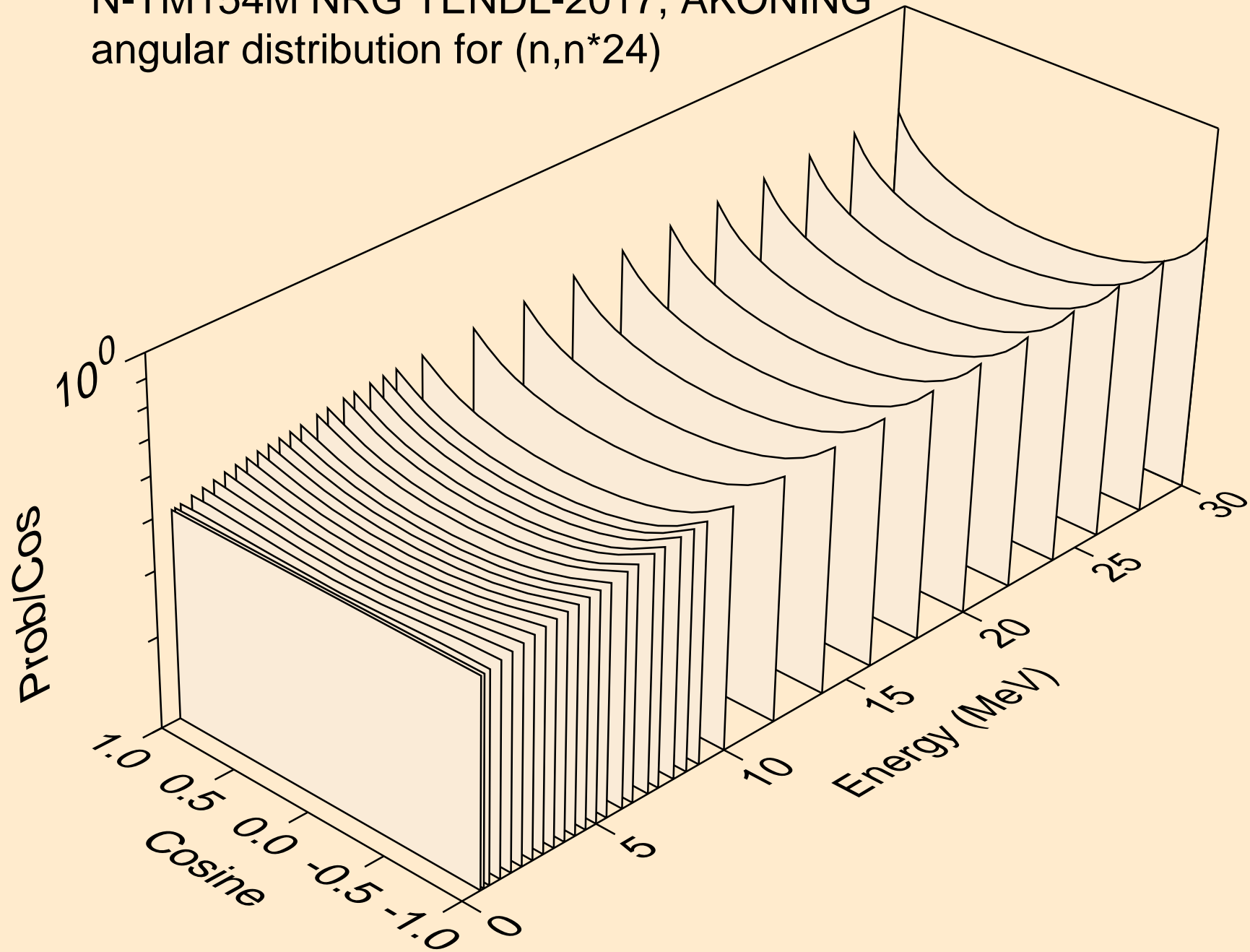
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angular distribution for (n,n\*22)



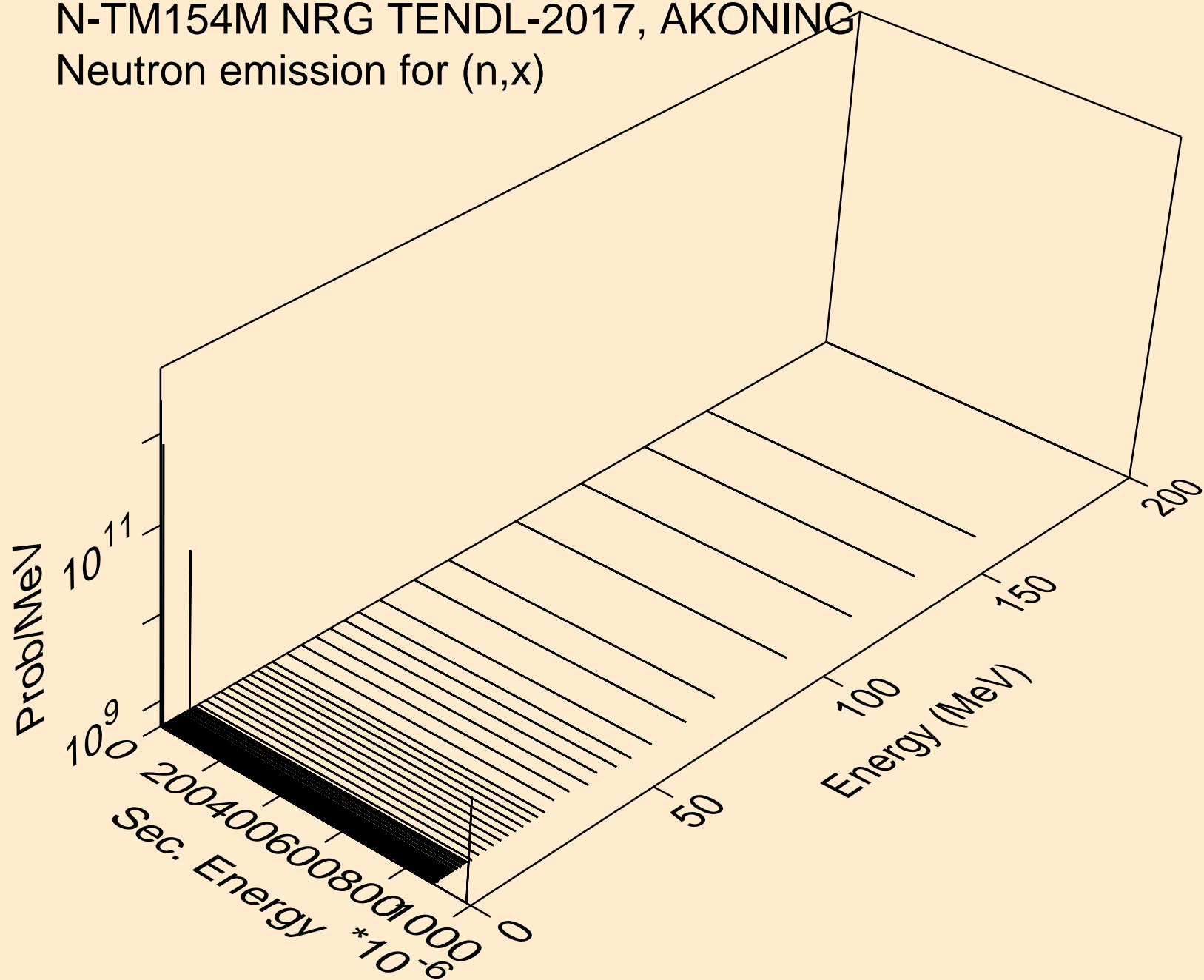
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angular distribution for (n,n\*23)



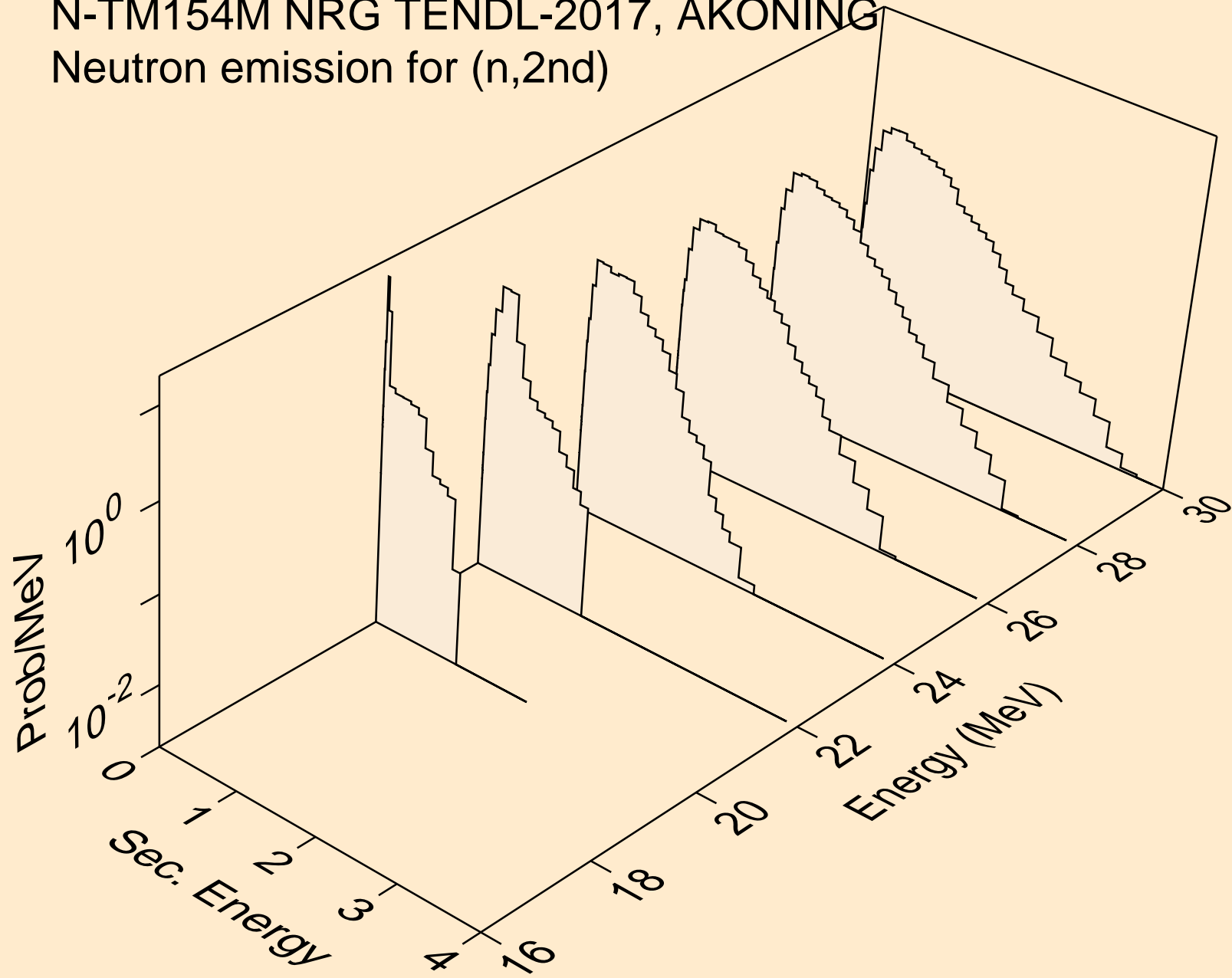
N-TM154M NRG TENDL-2017, AKONING  
angular distribution for (n,n\*24)



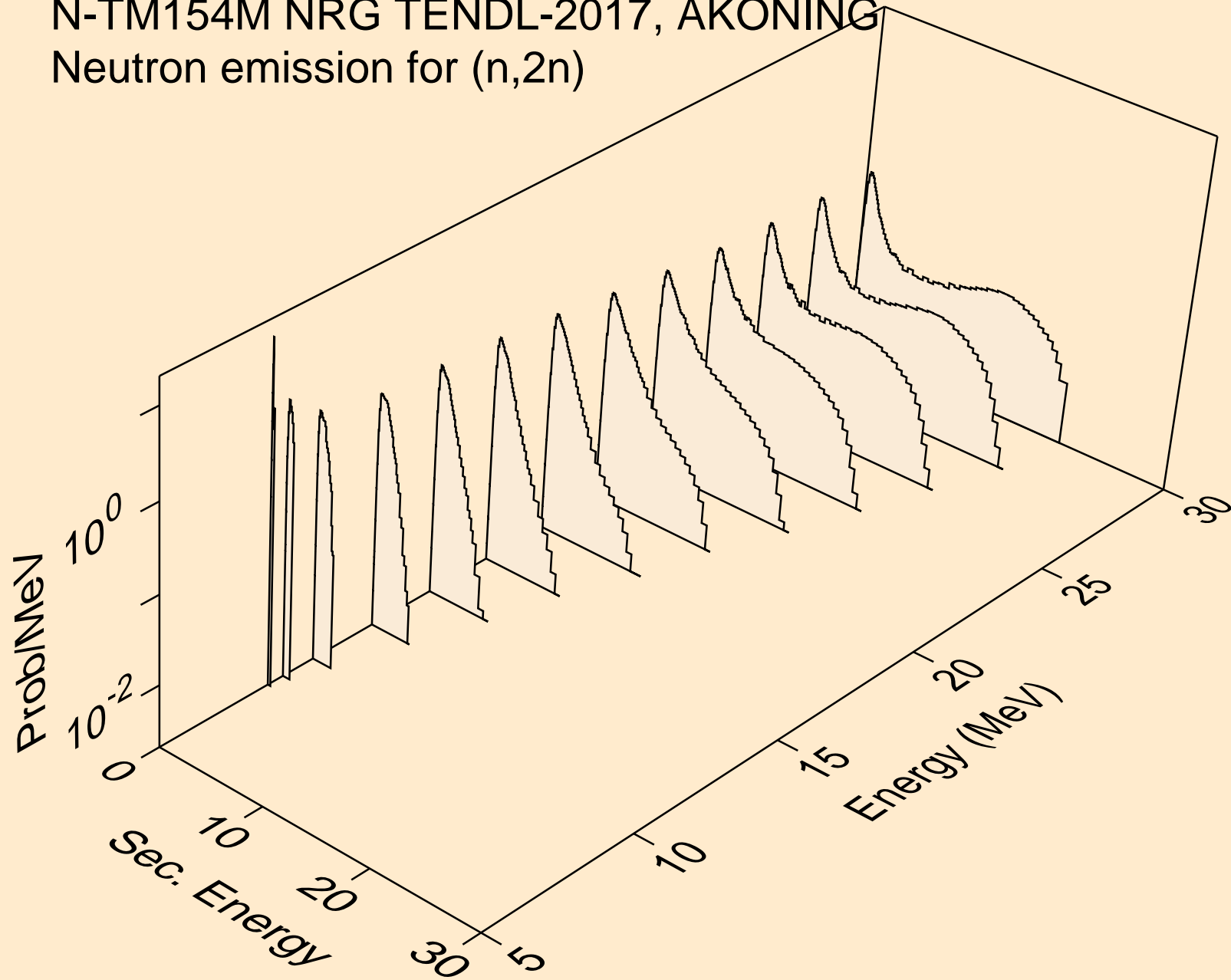
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,x)



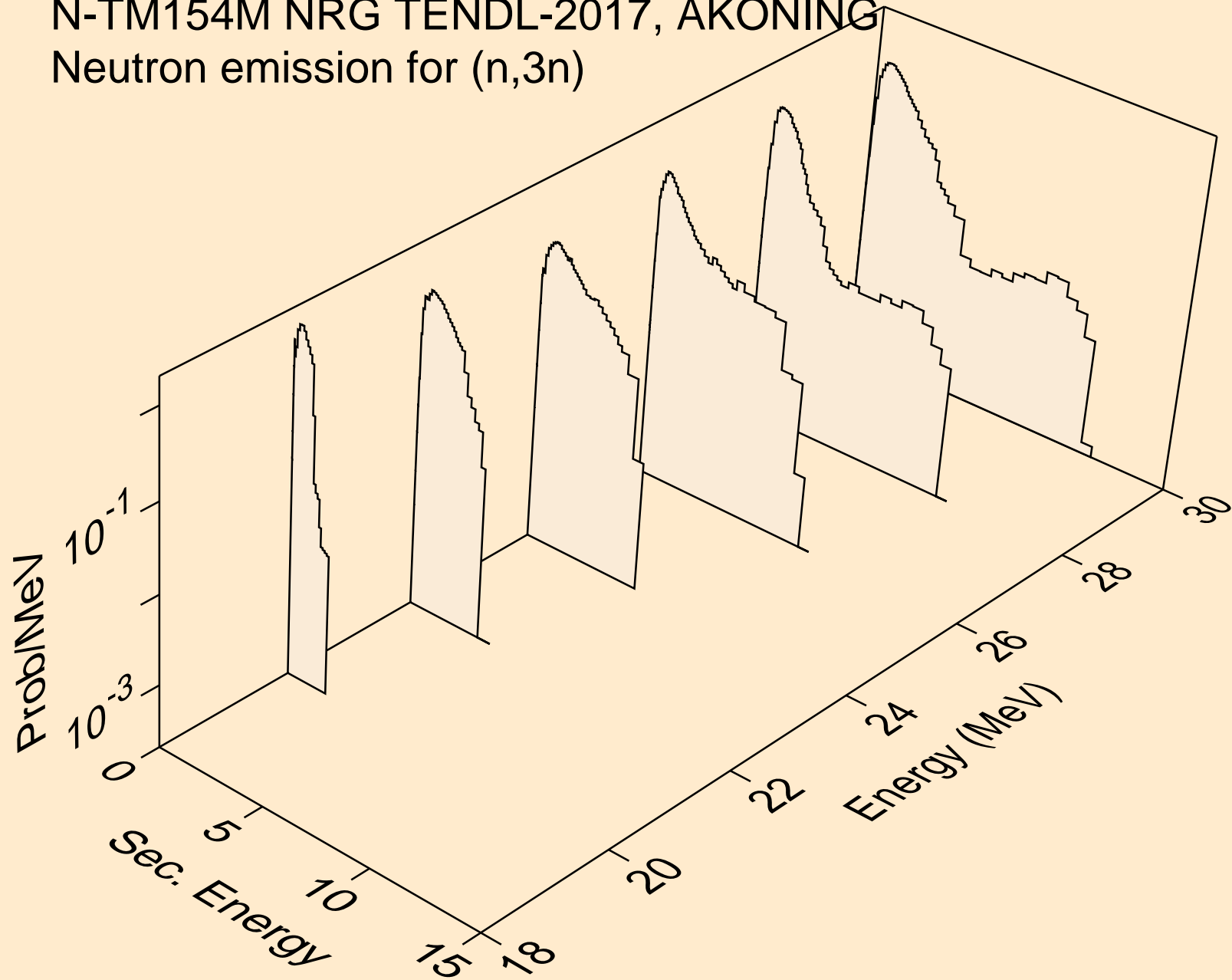
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,2nd)



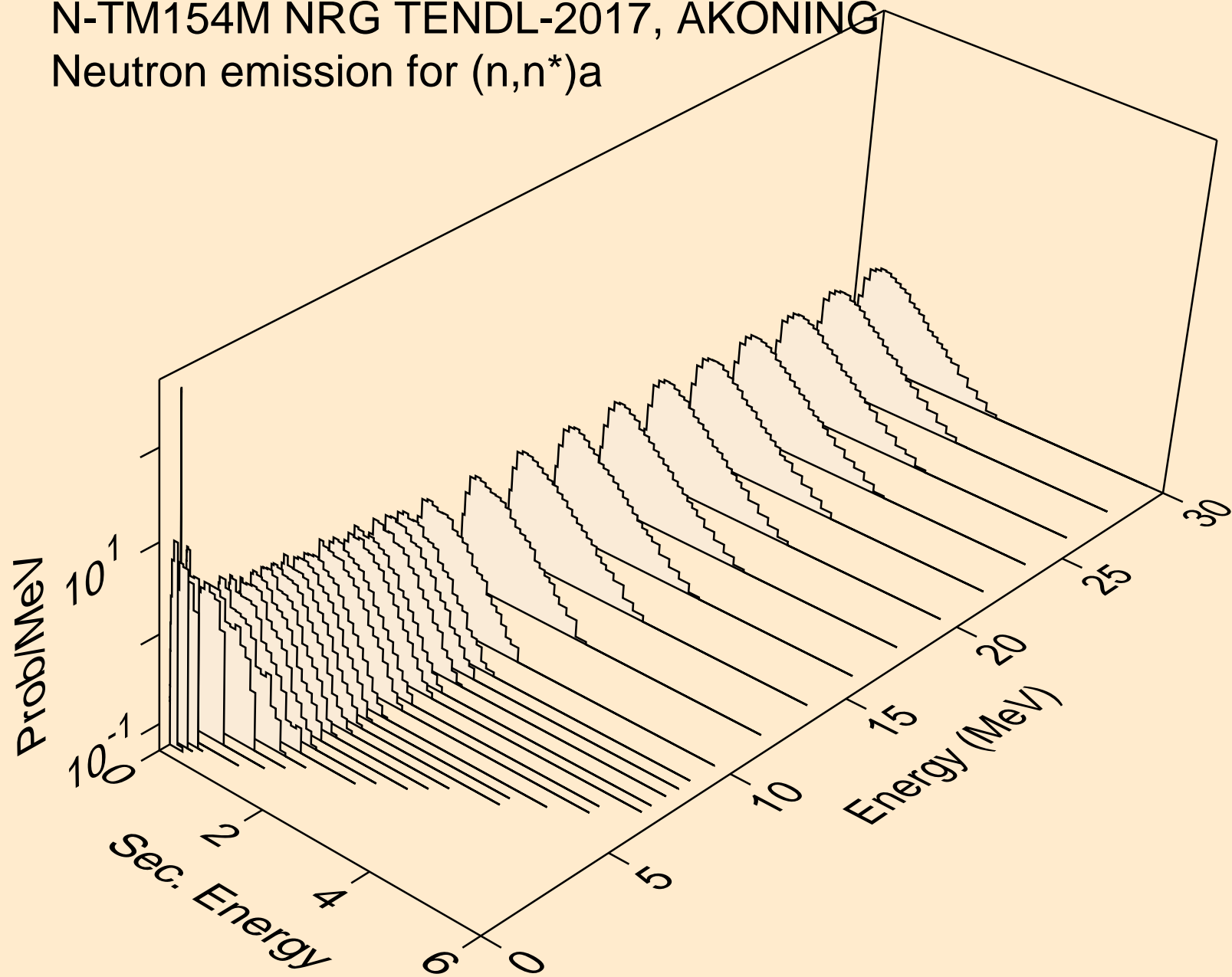
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,2n)



N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,3n)

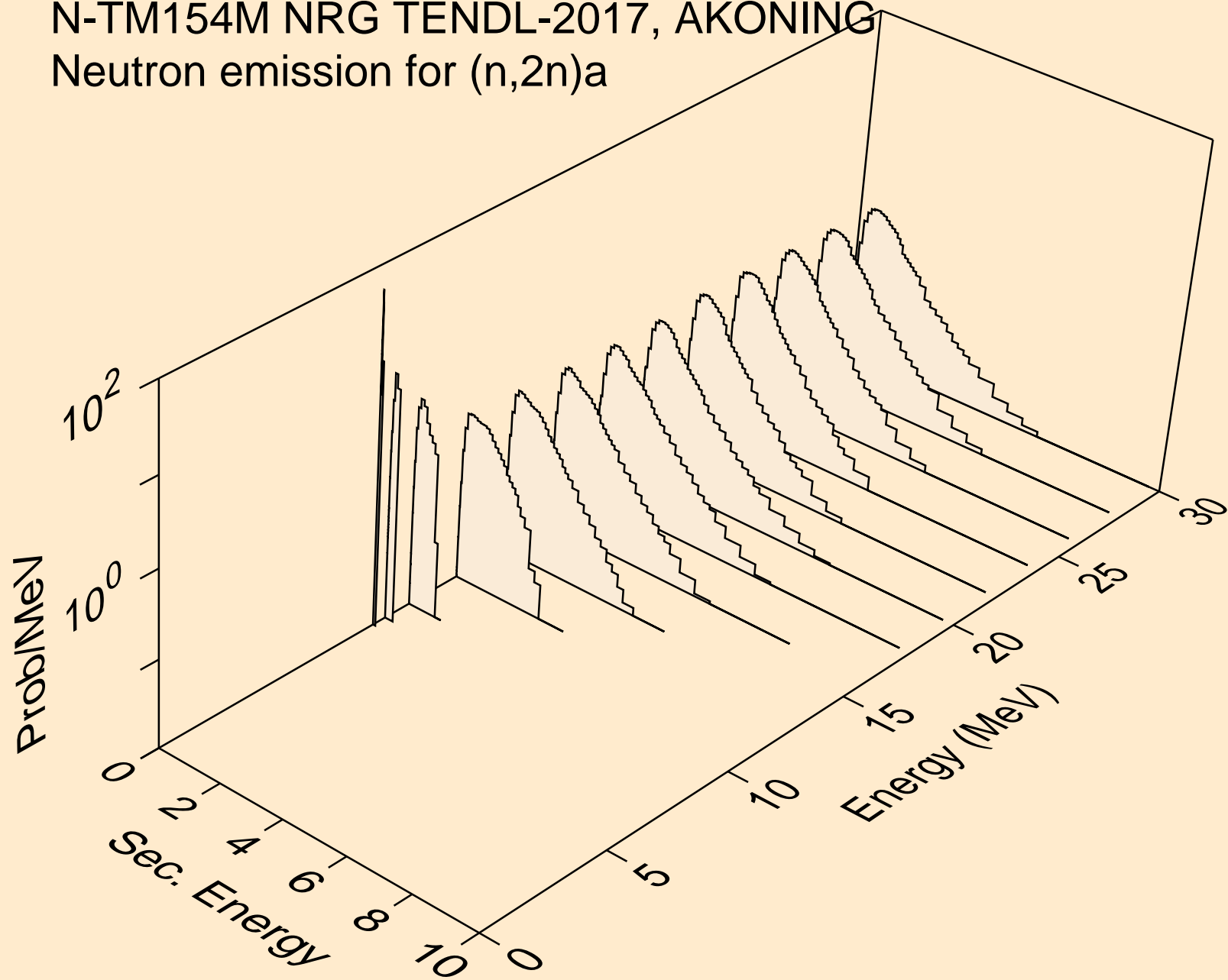


N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)a

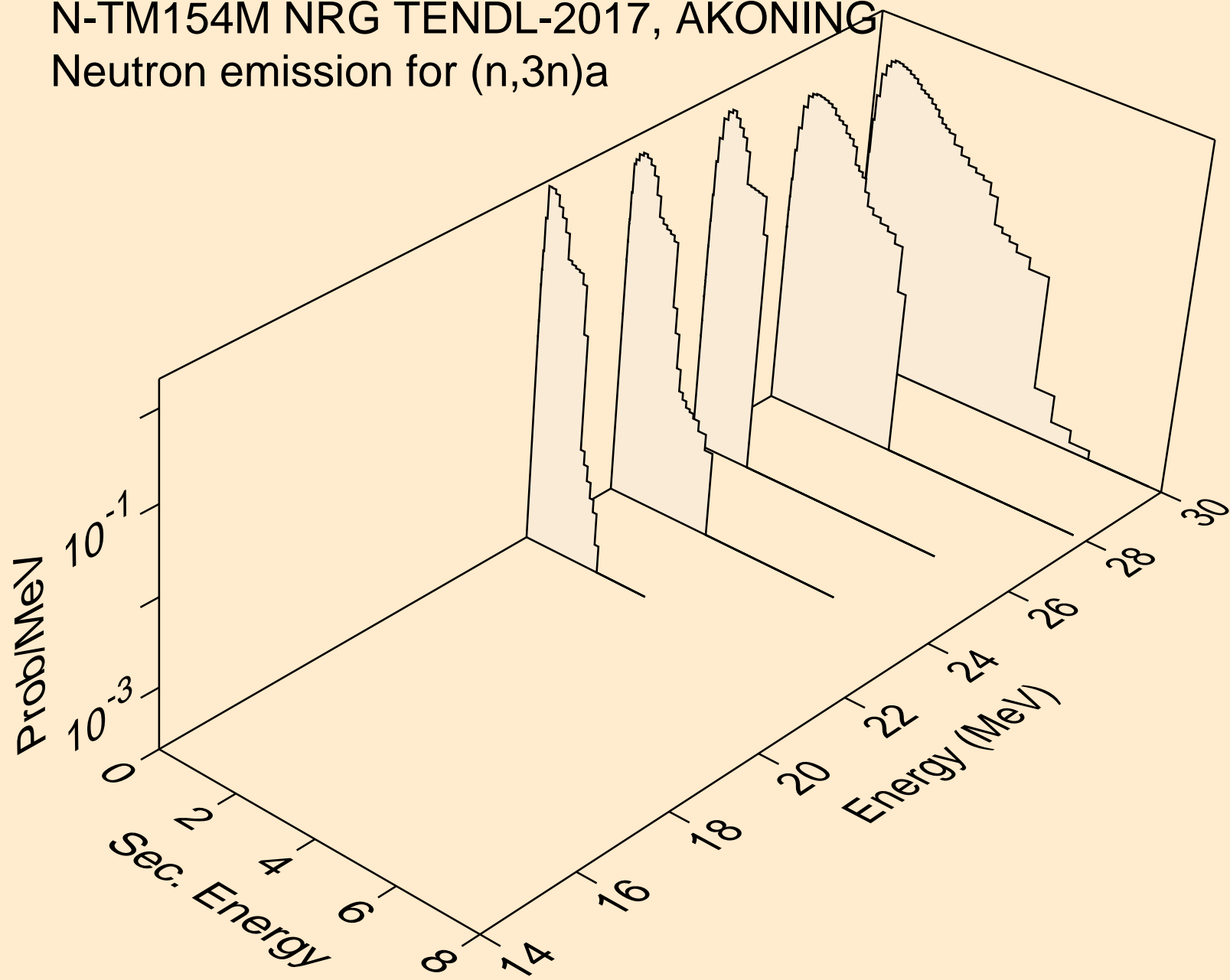




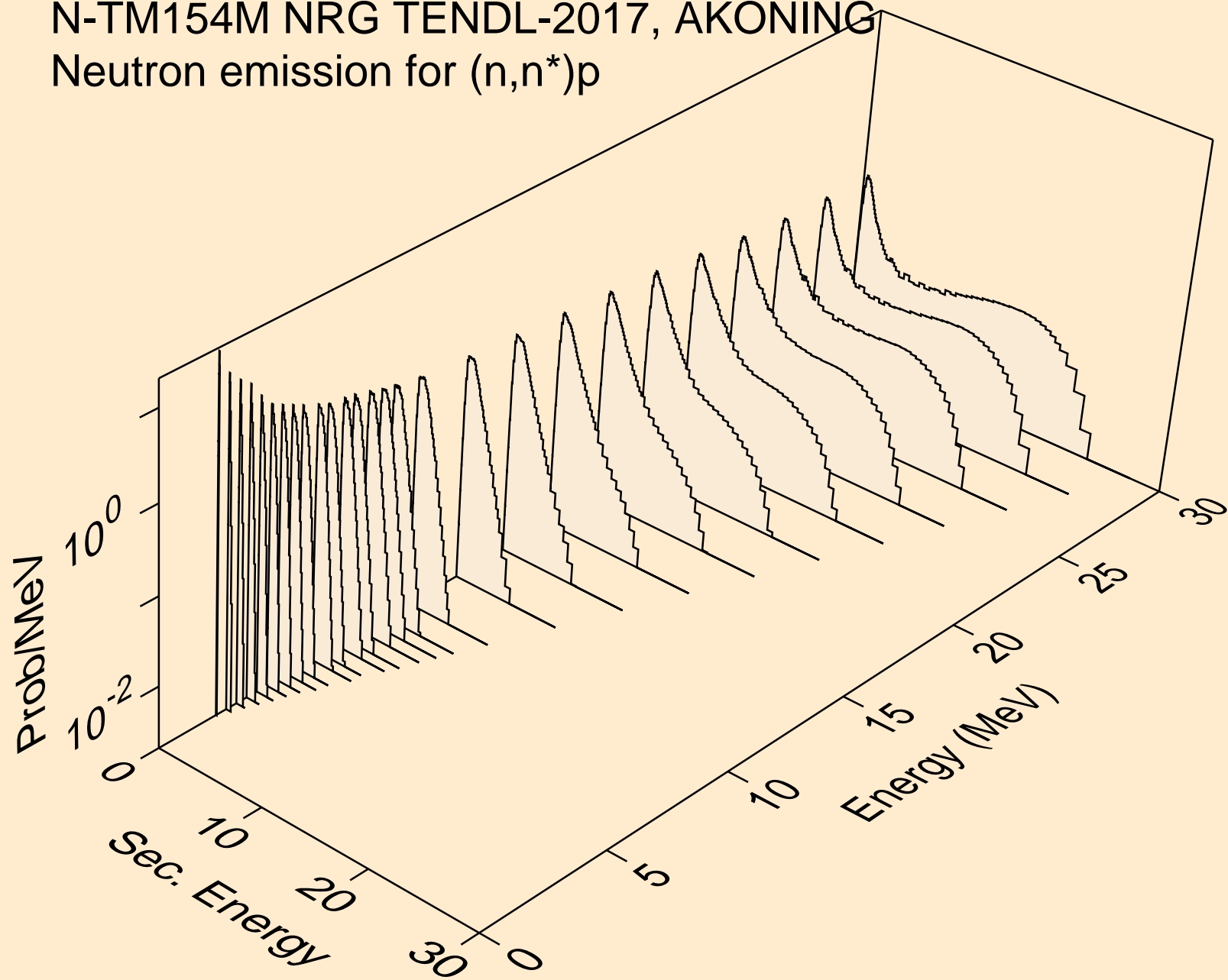
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,2n)a



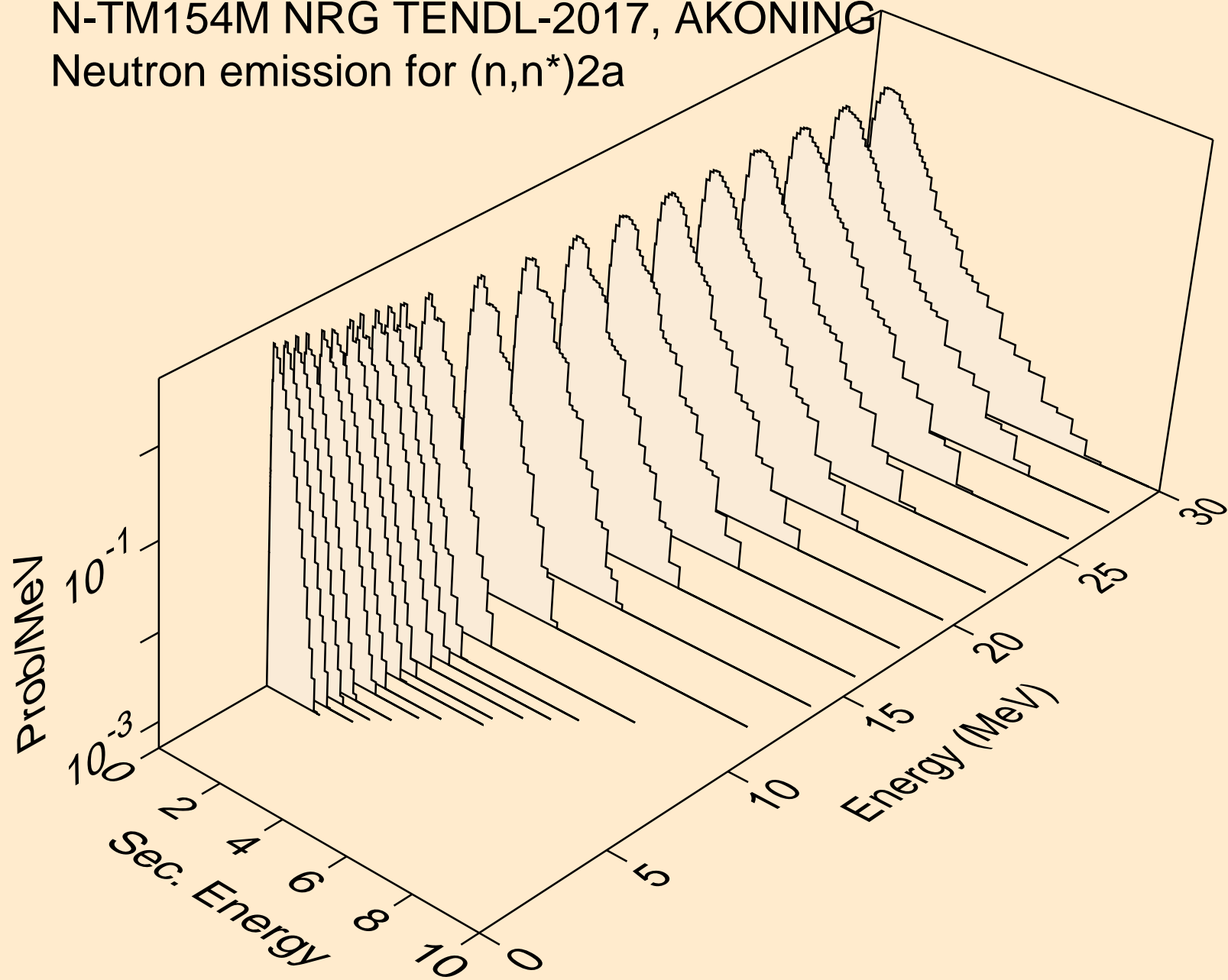
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Neutron emission for (n,3n)a



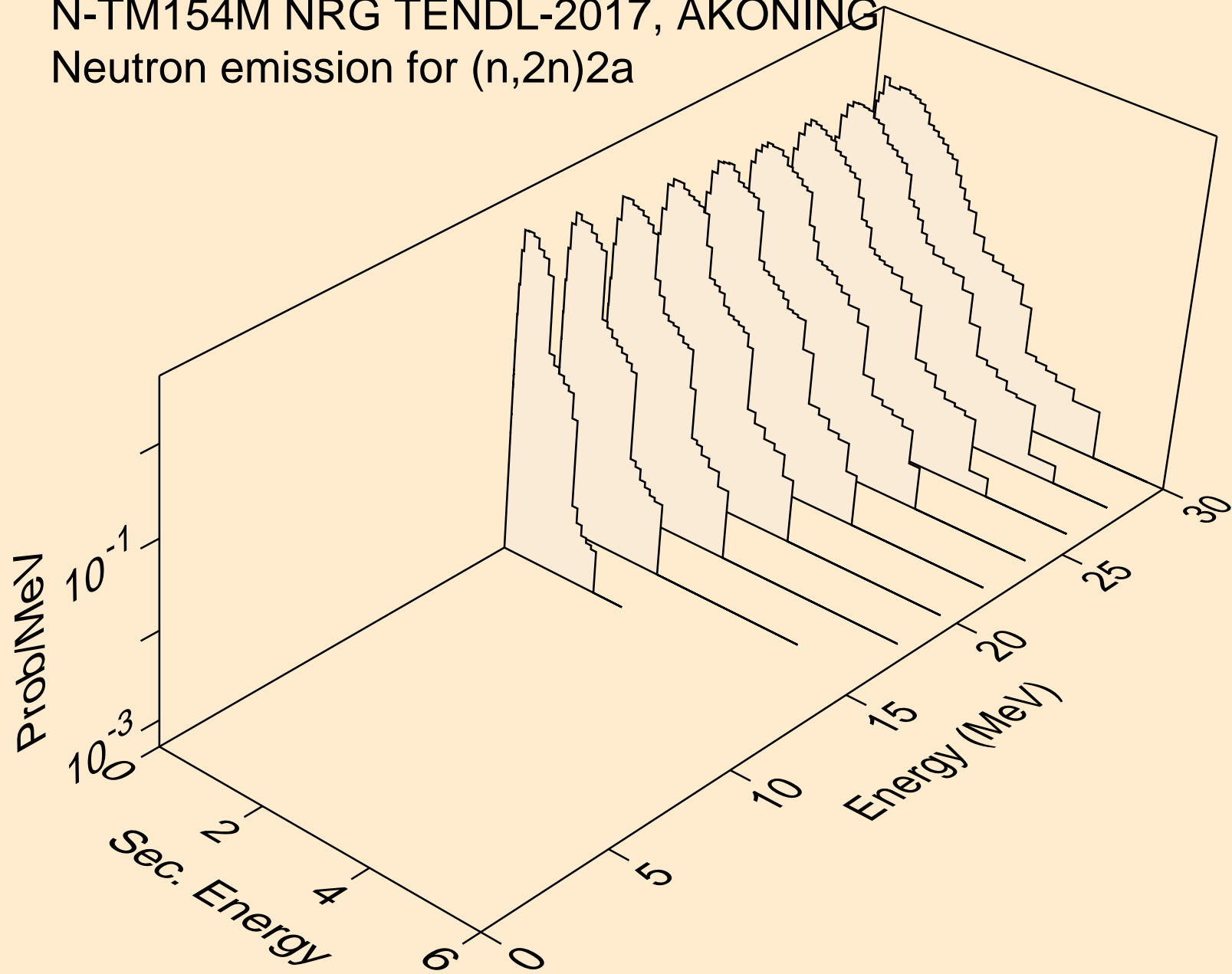
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)p



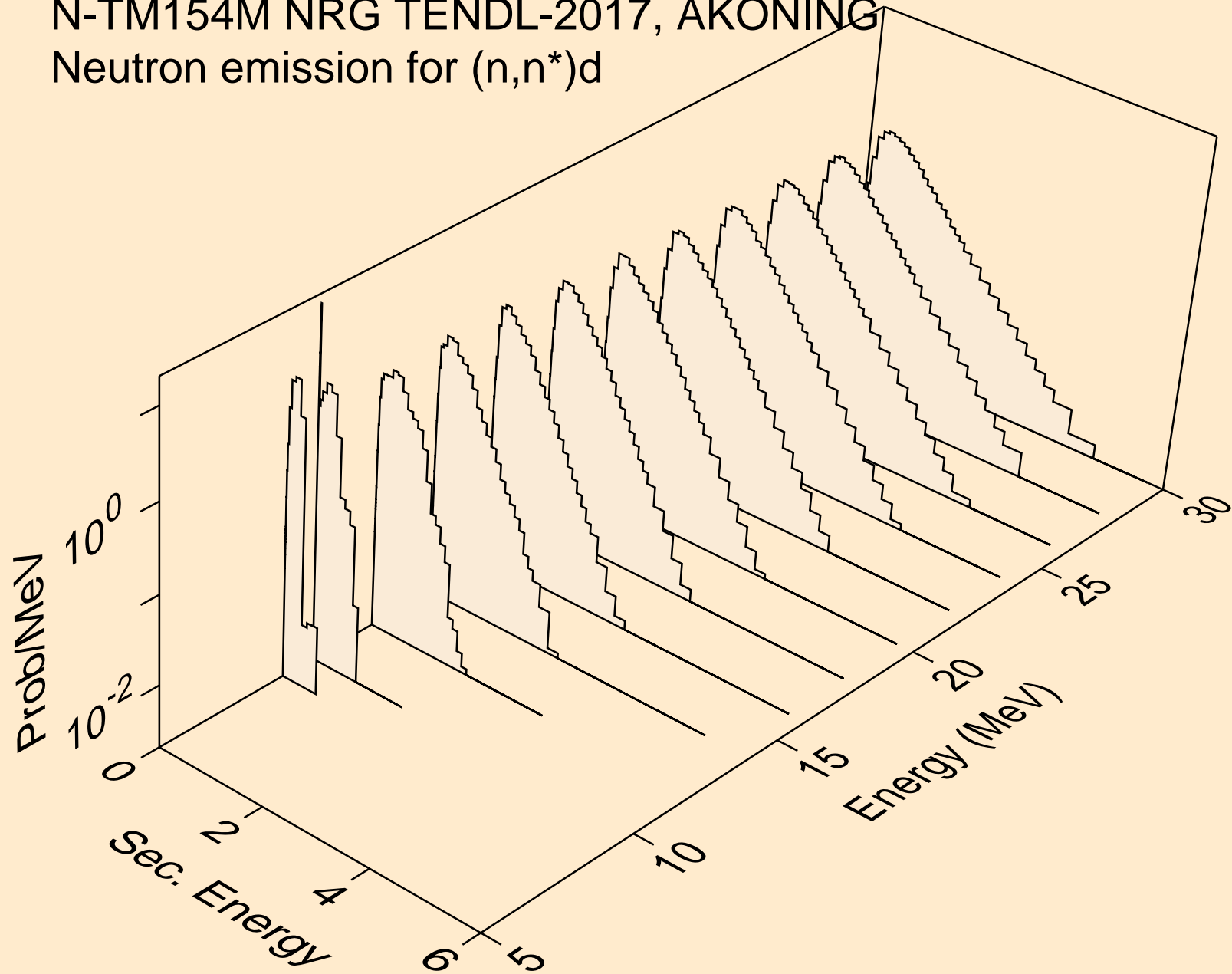
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)2a



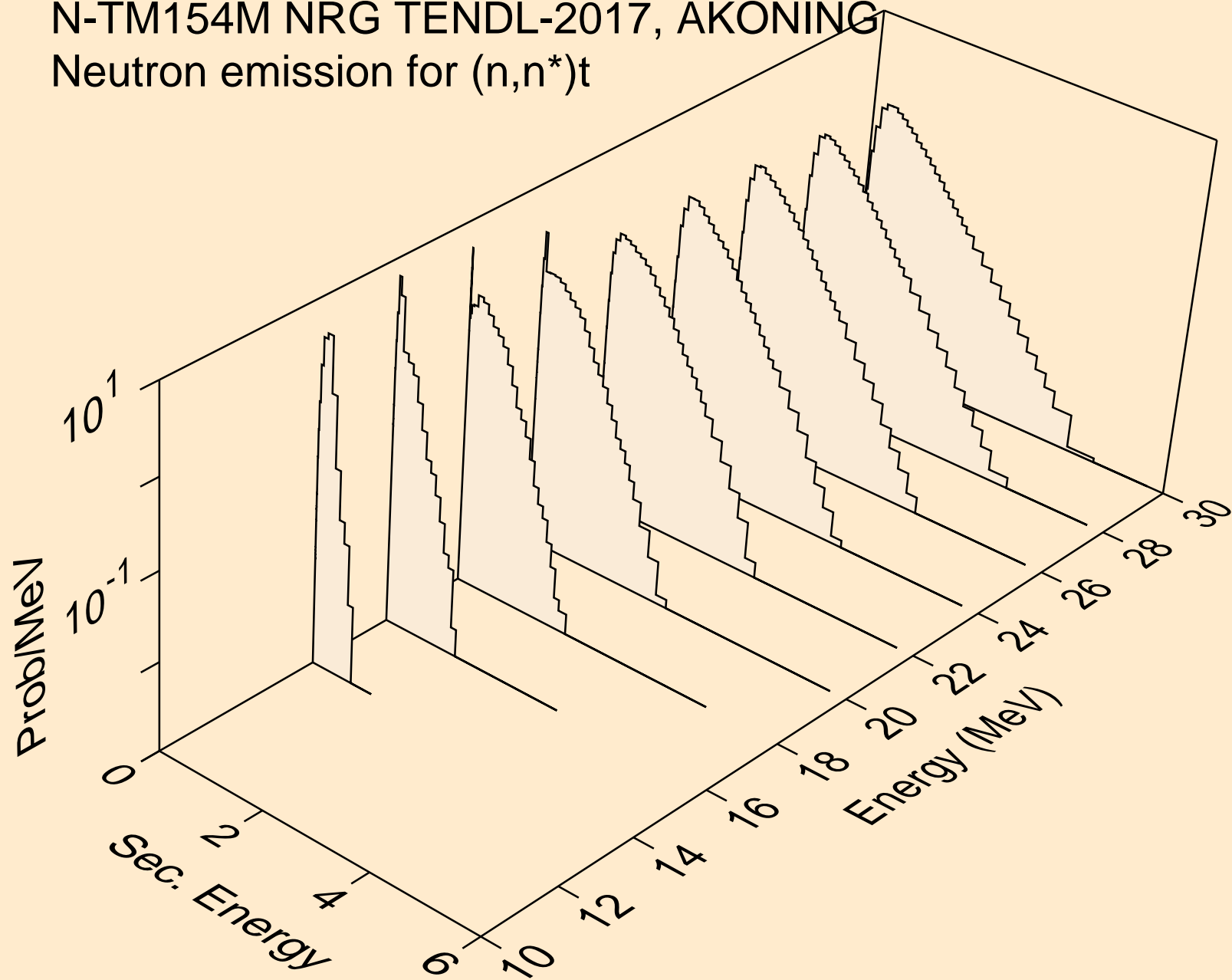
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,2n)<sub>2a</sub>



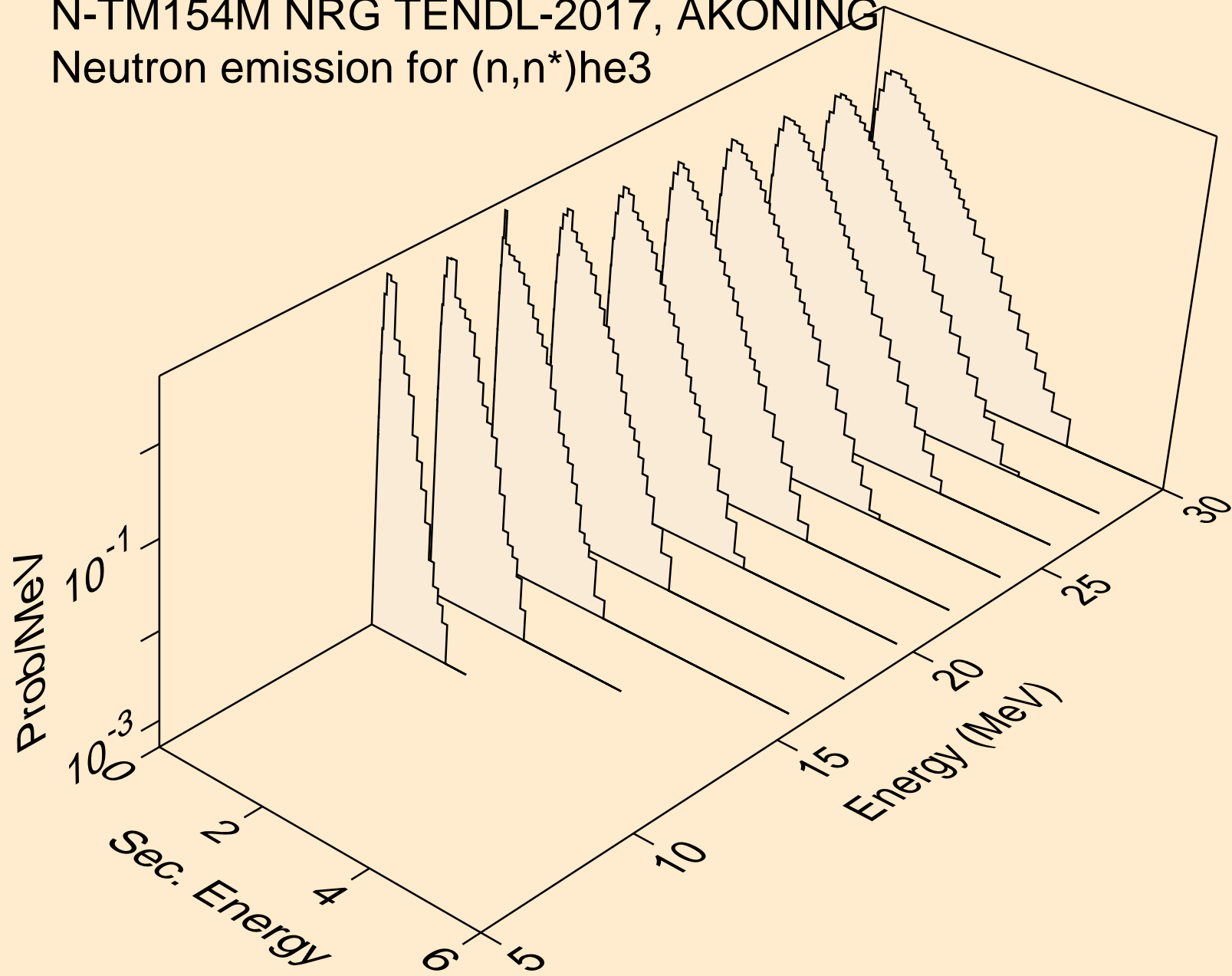
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)d



N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)t

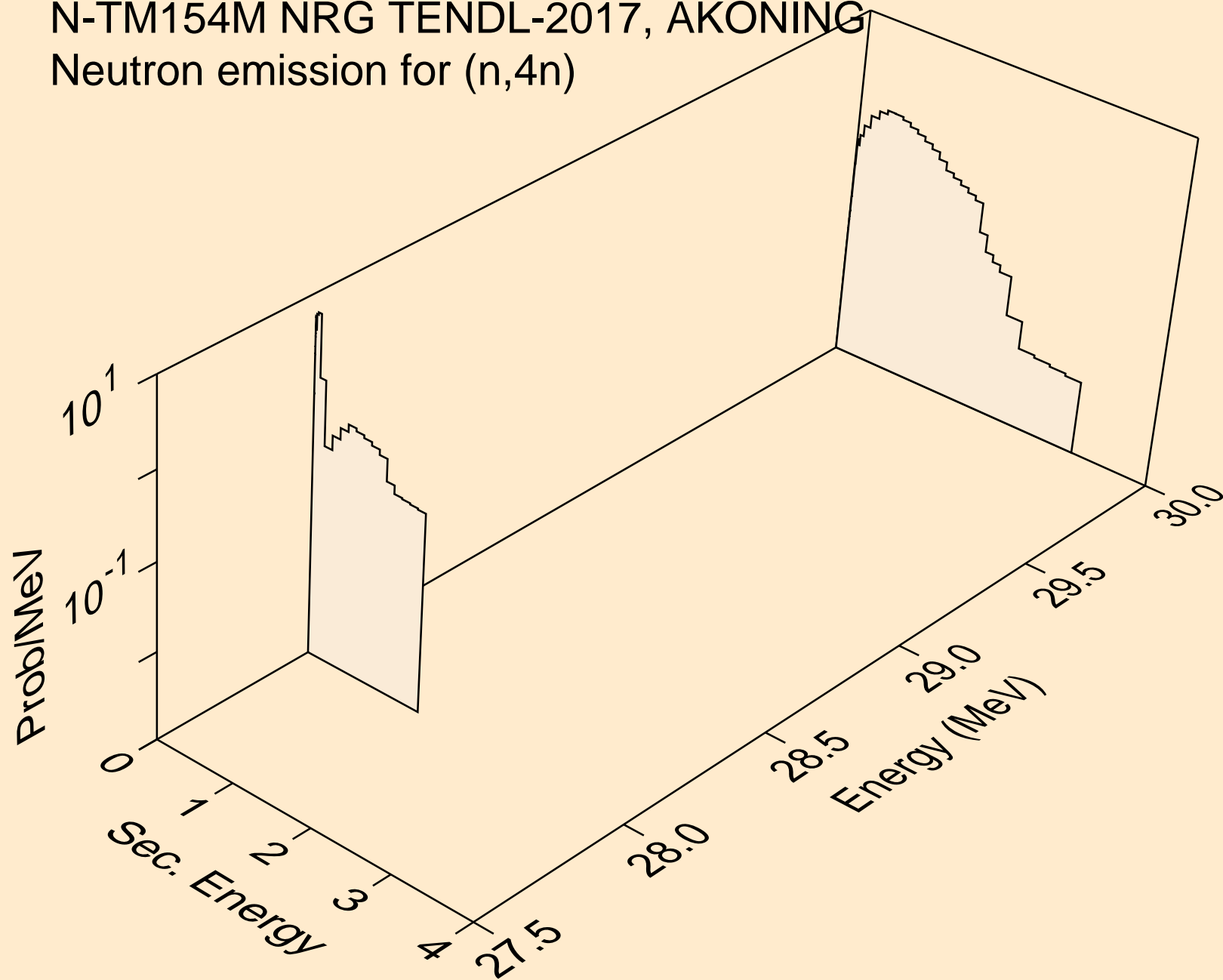


N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)he3

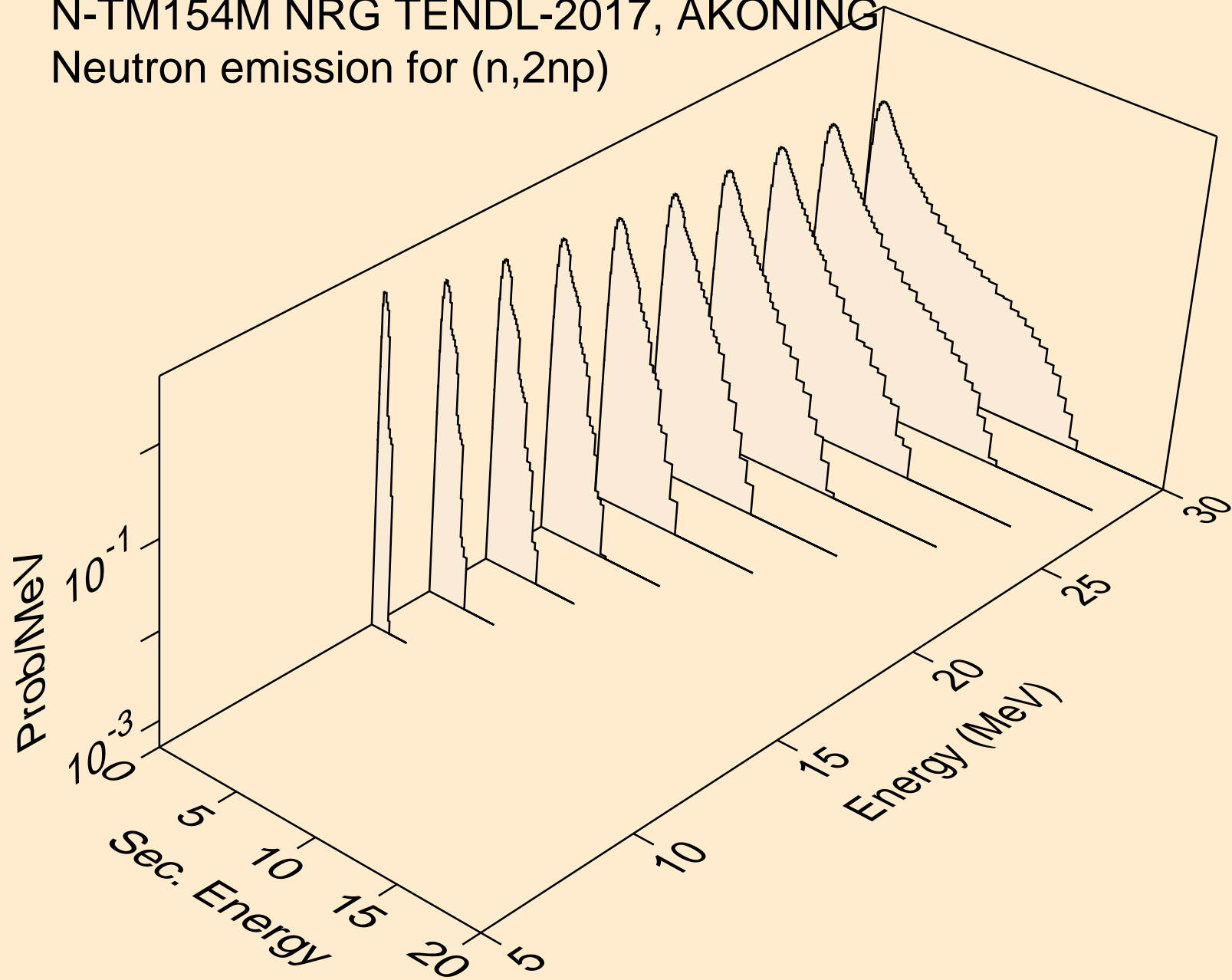




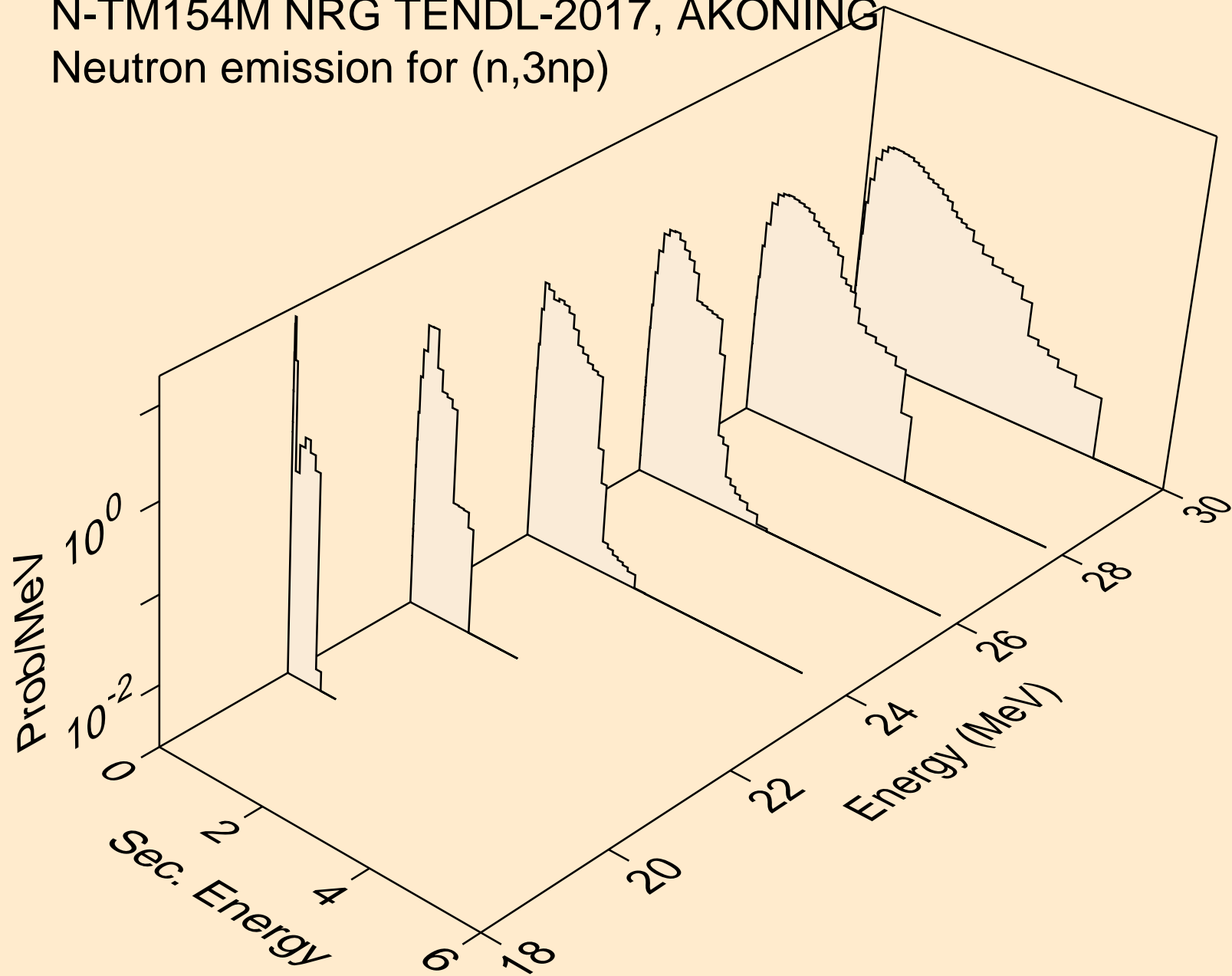
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,4n)



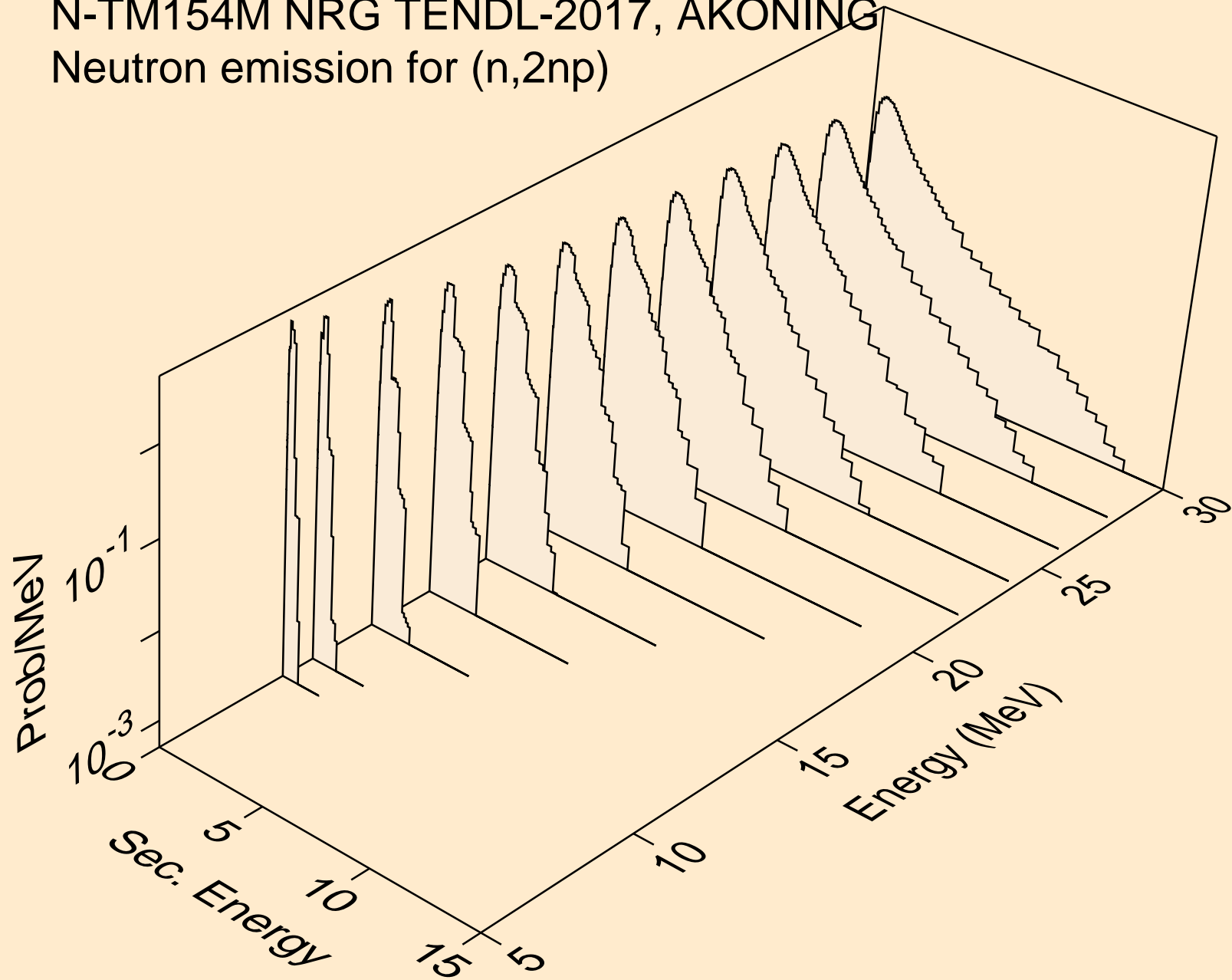
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,2np)



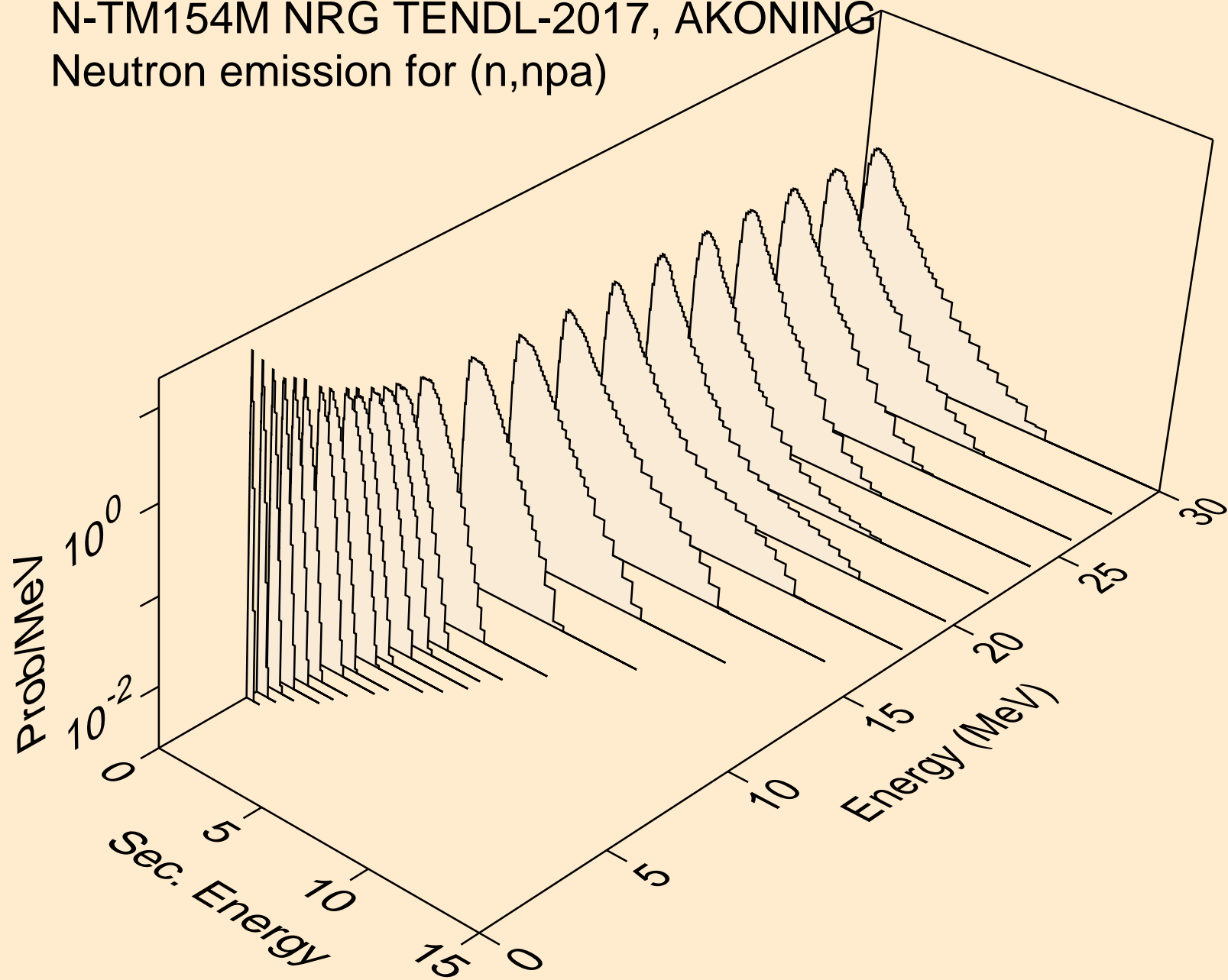
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,3np)



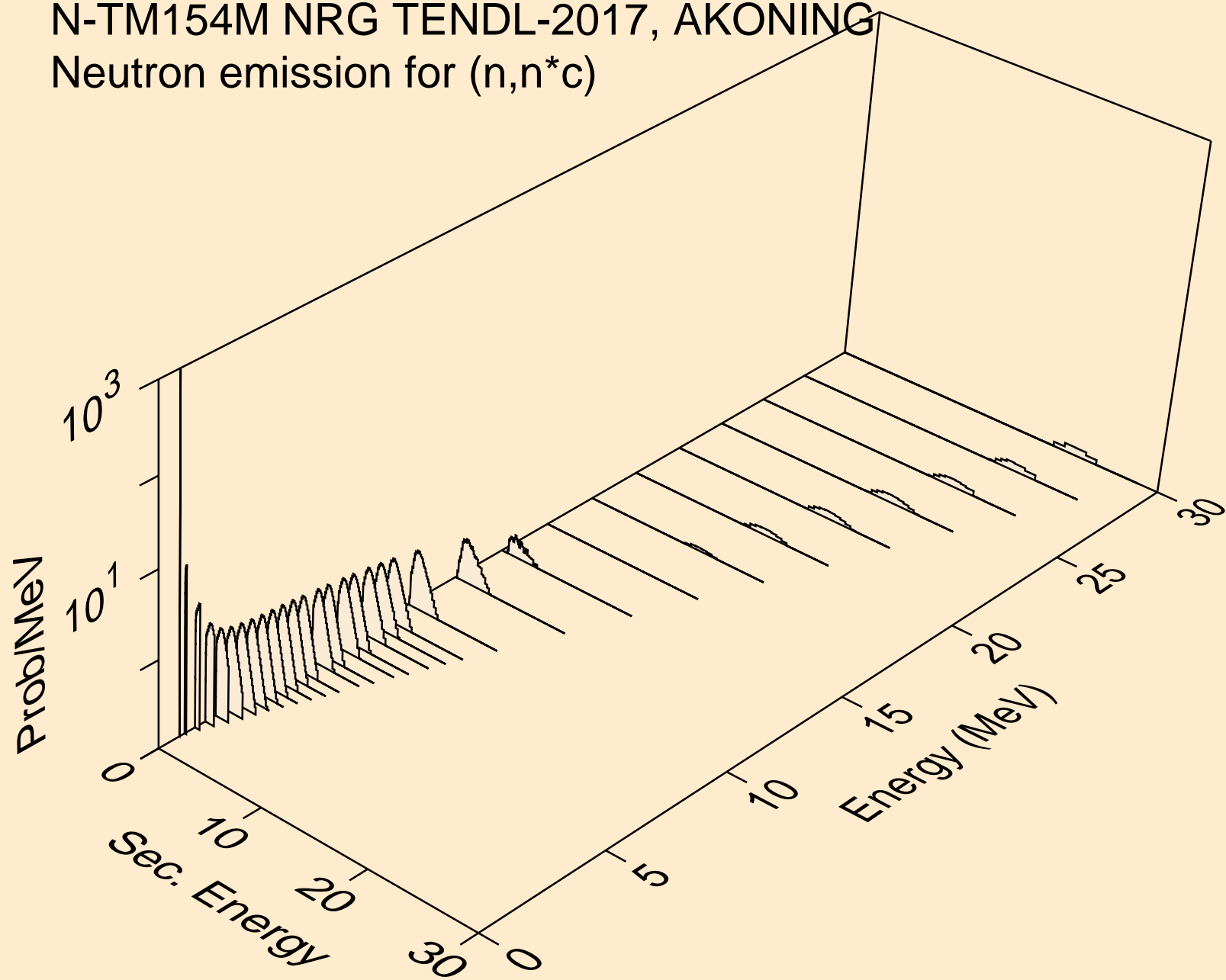
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,2np)



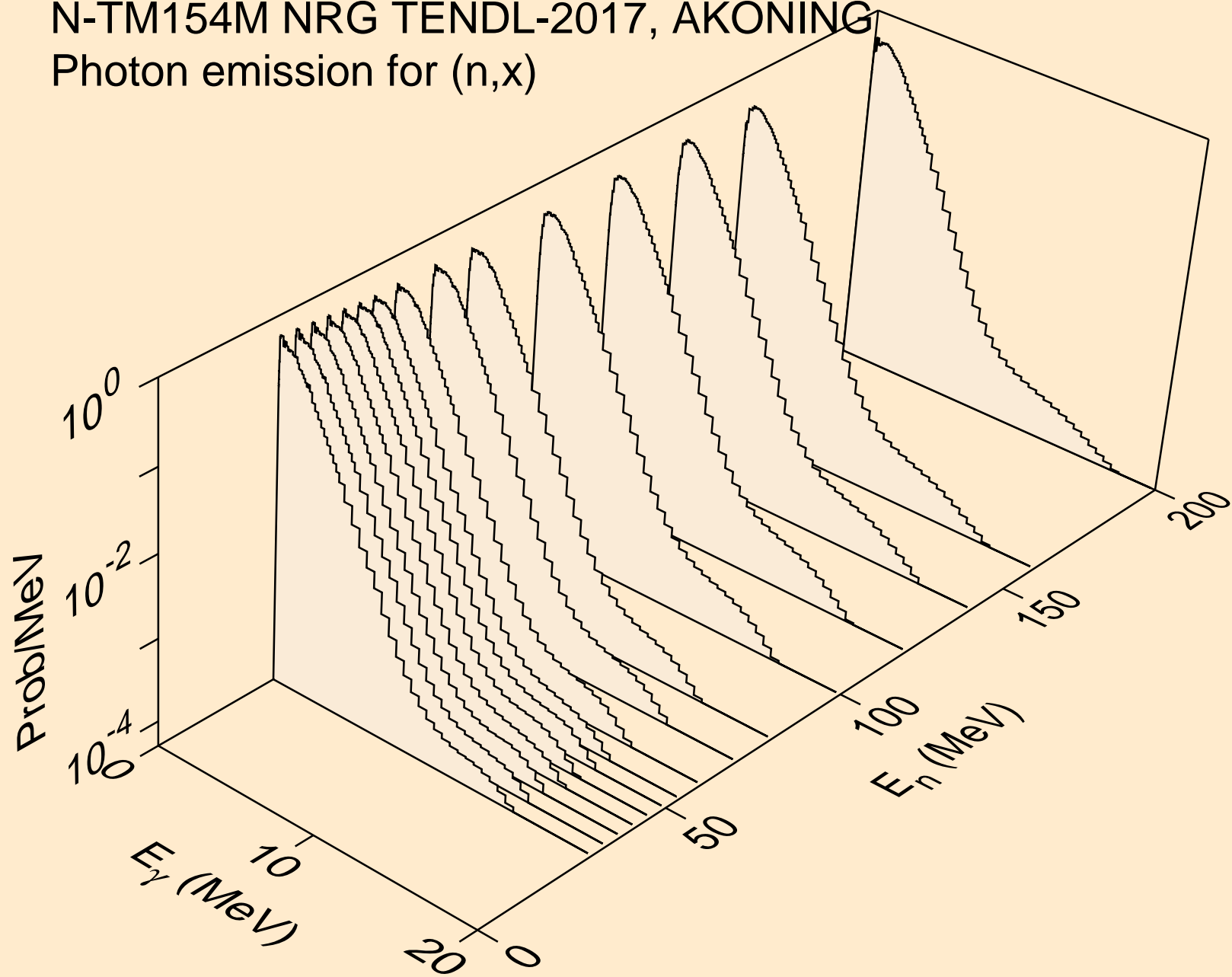
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,npa)



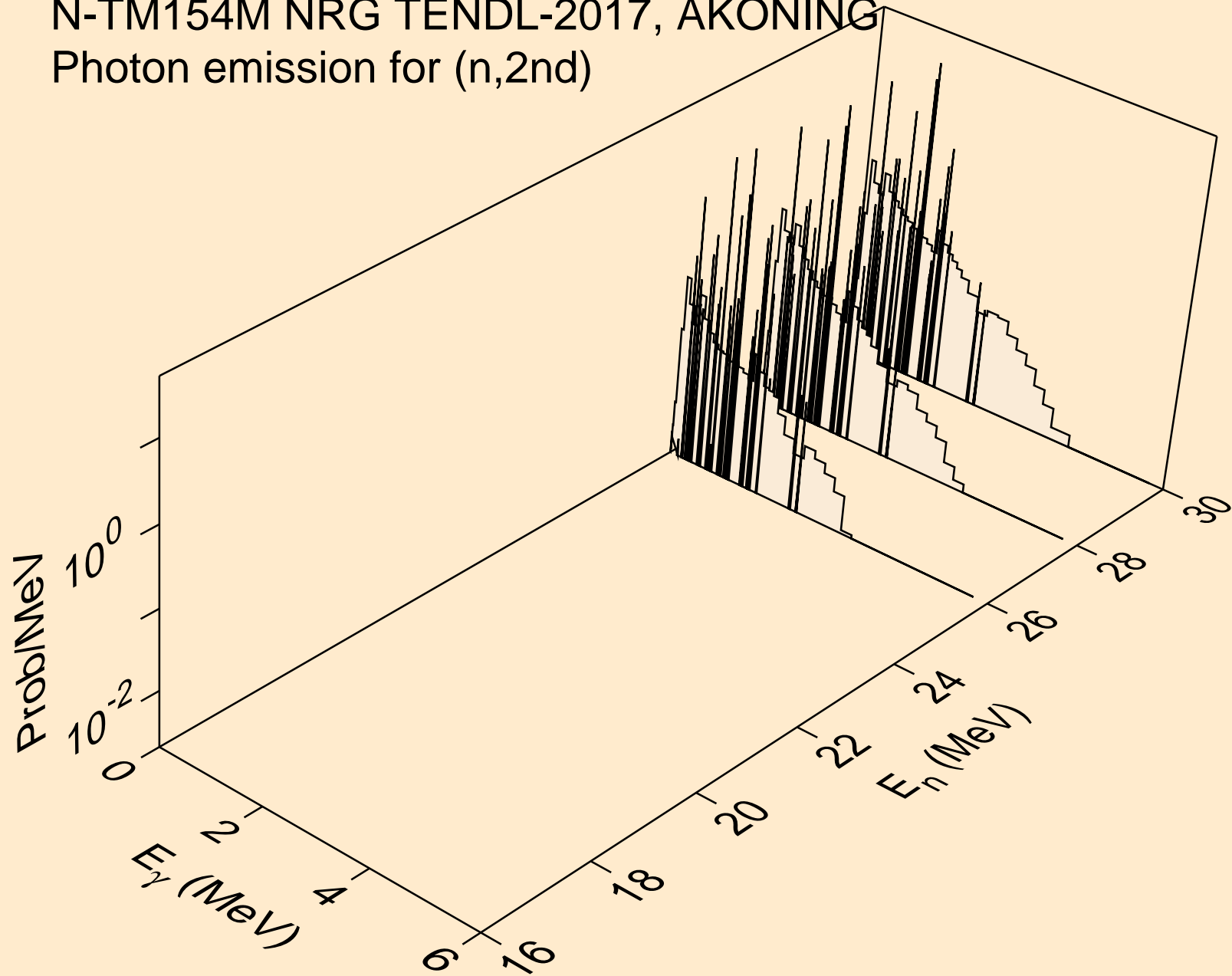
N-TM154M NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*c)



N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,x)

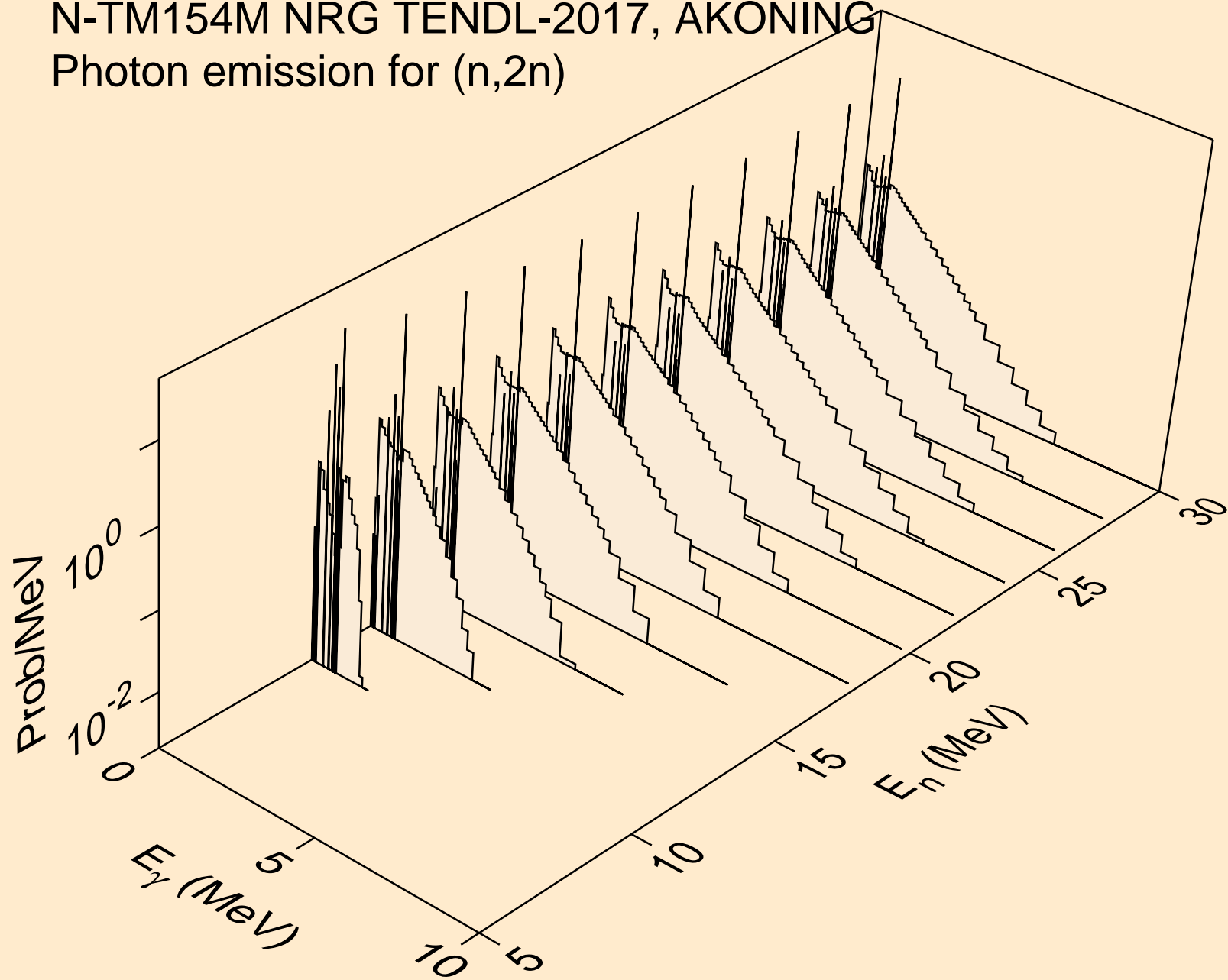


N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,2nd)

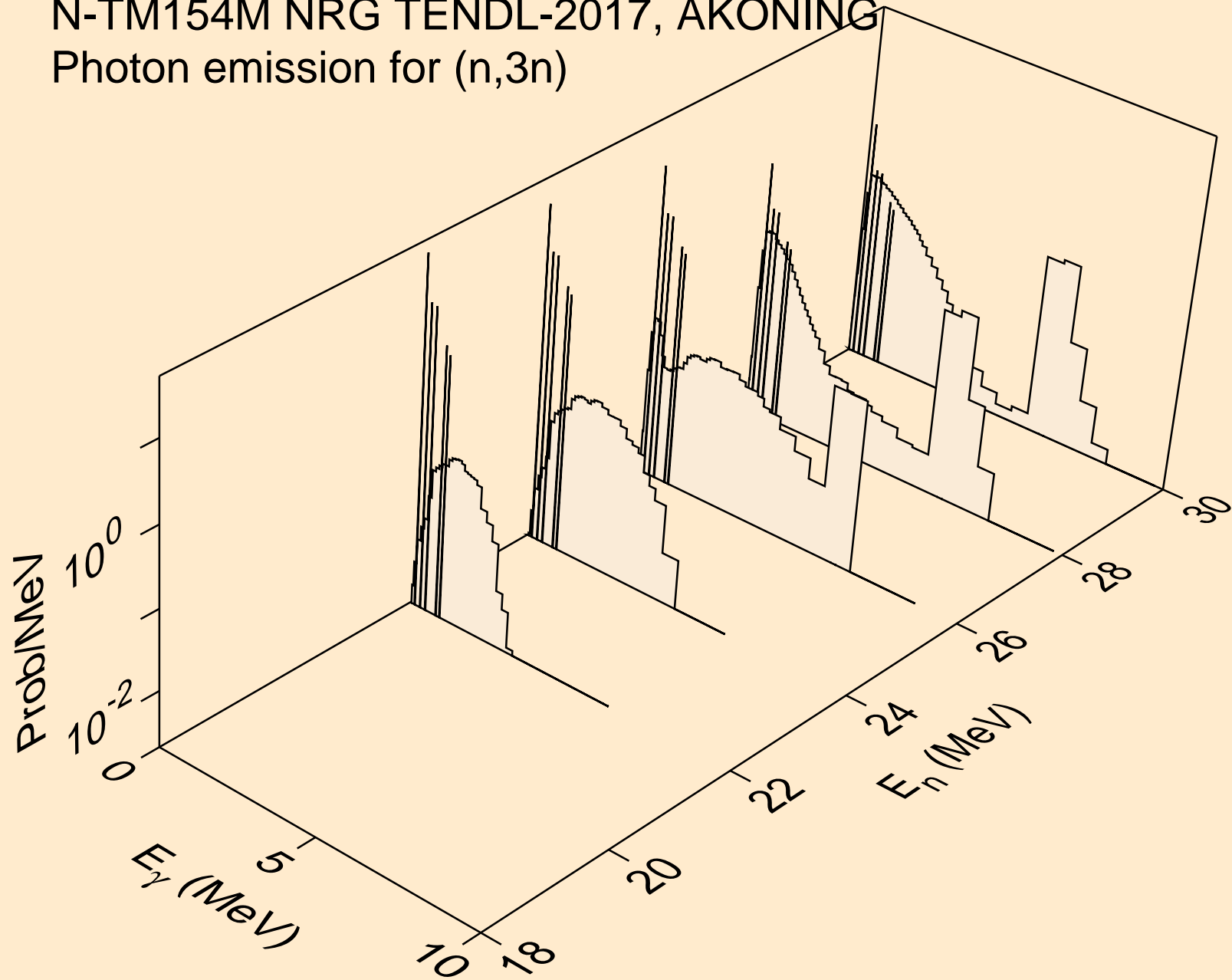




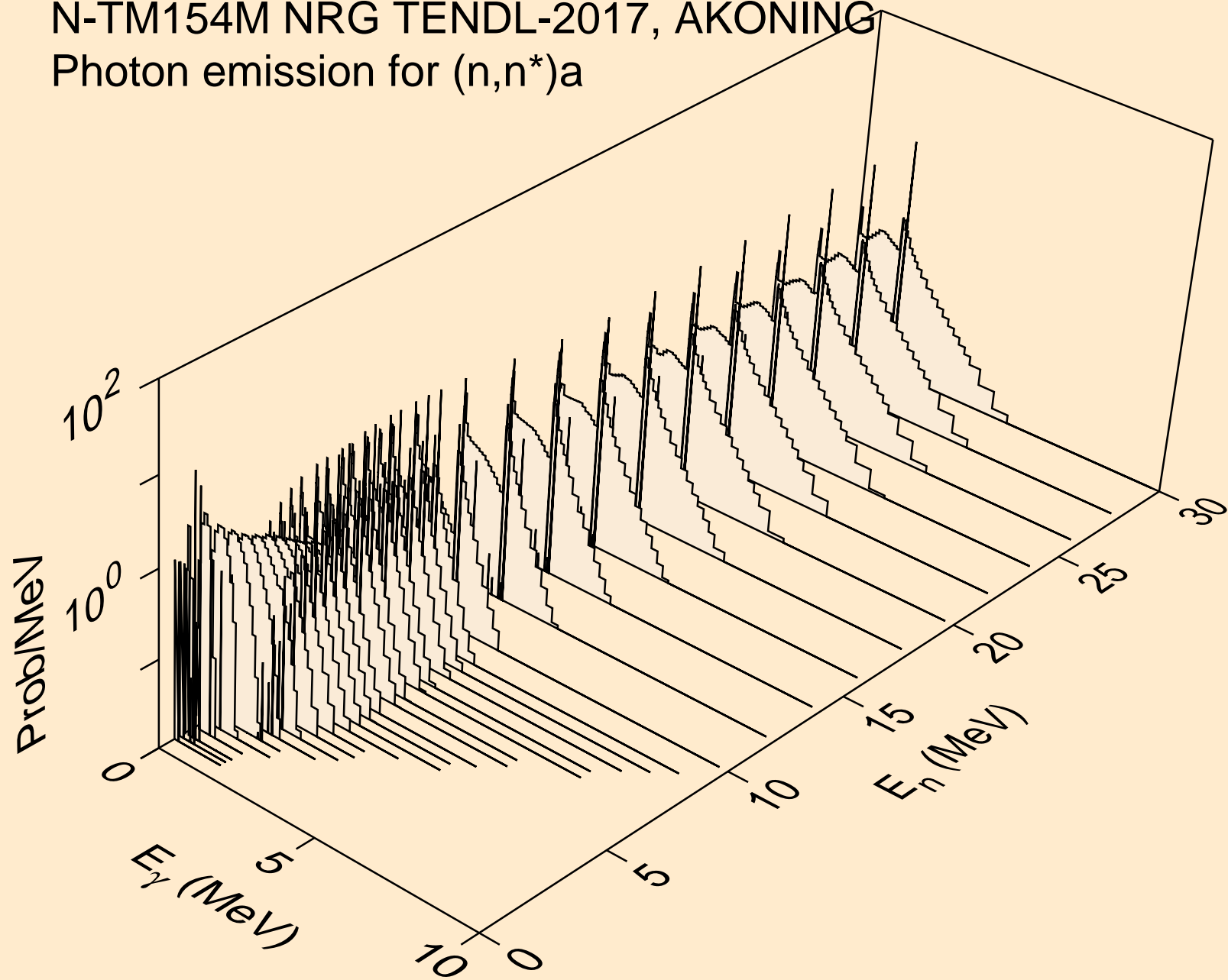
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,2n)



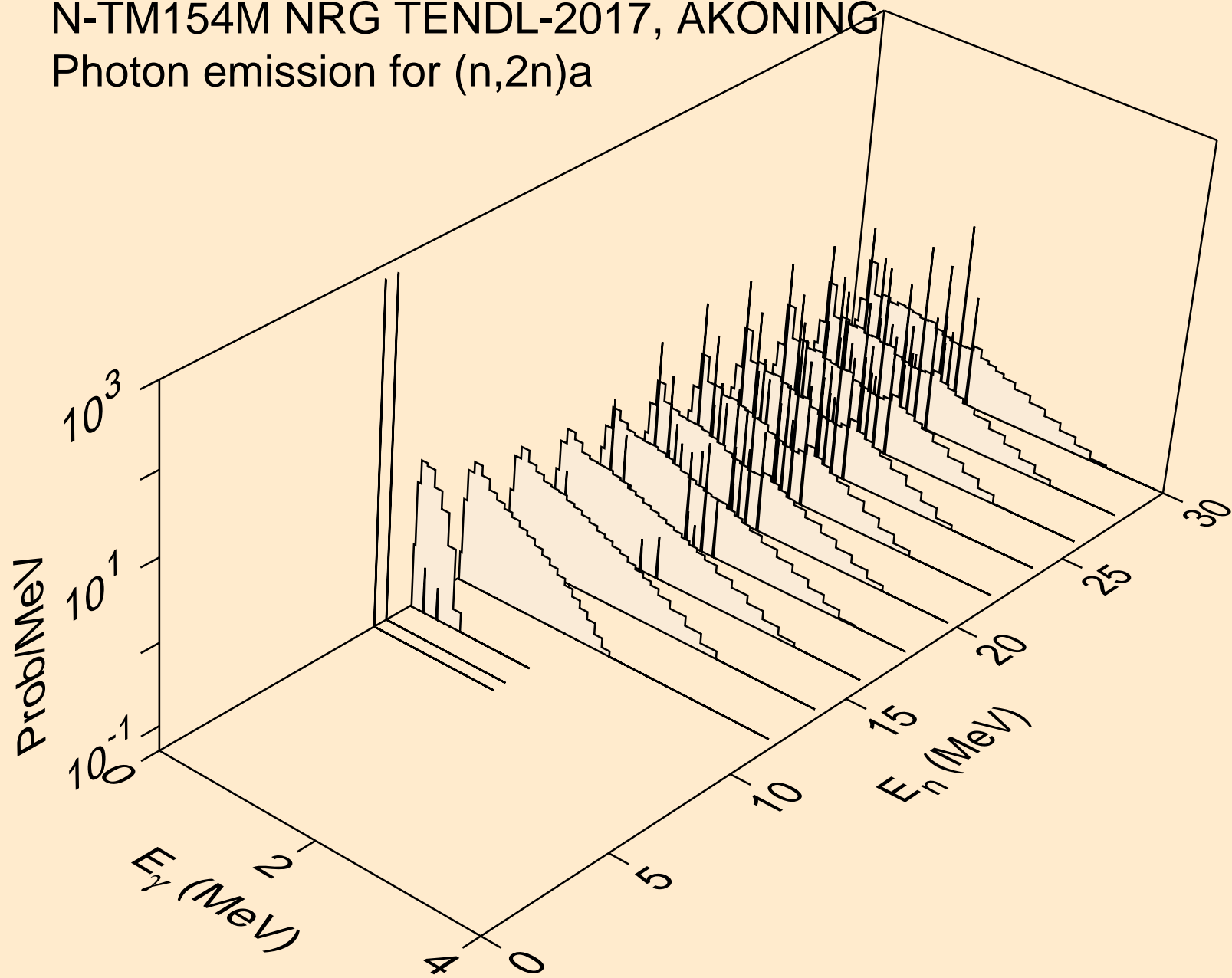
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,3n)



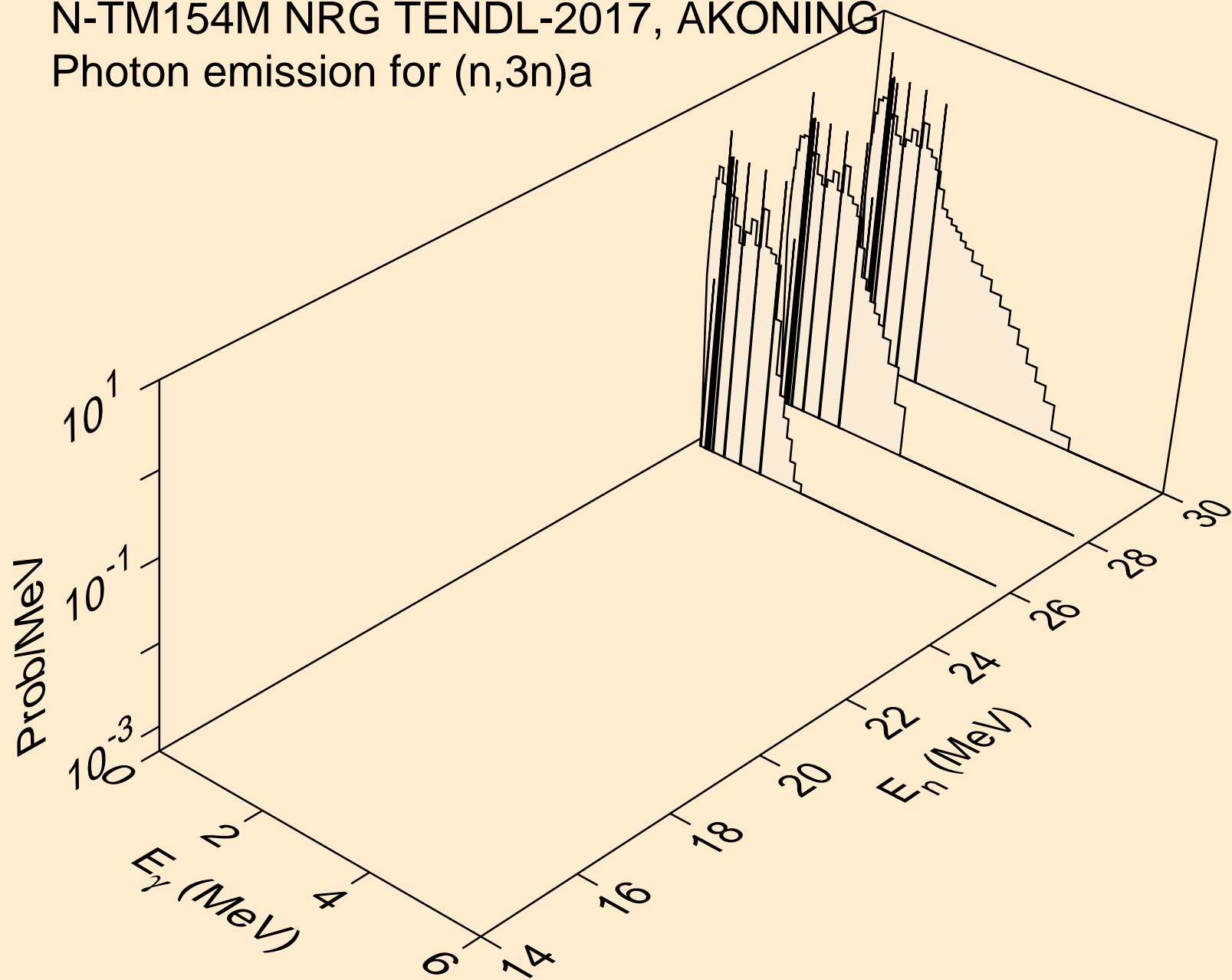
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)a



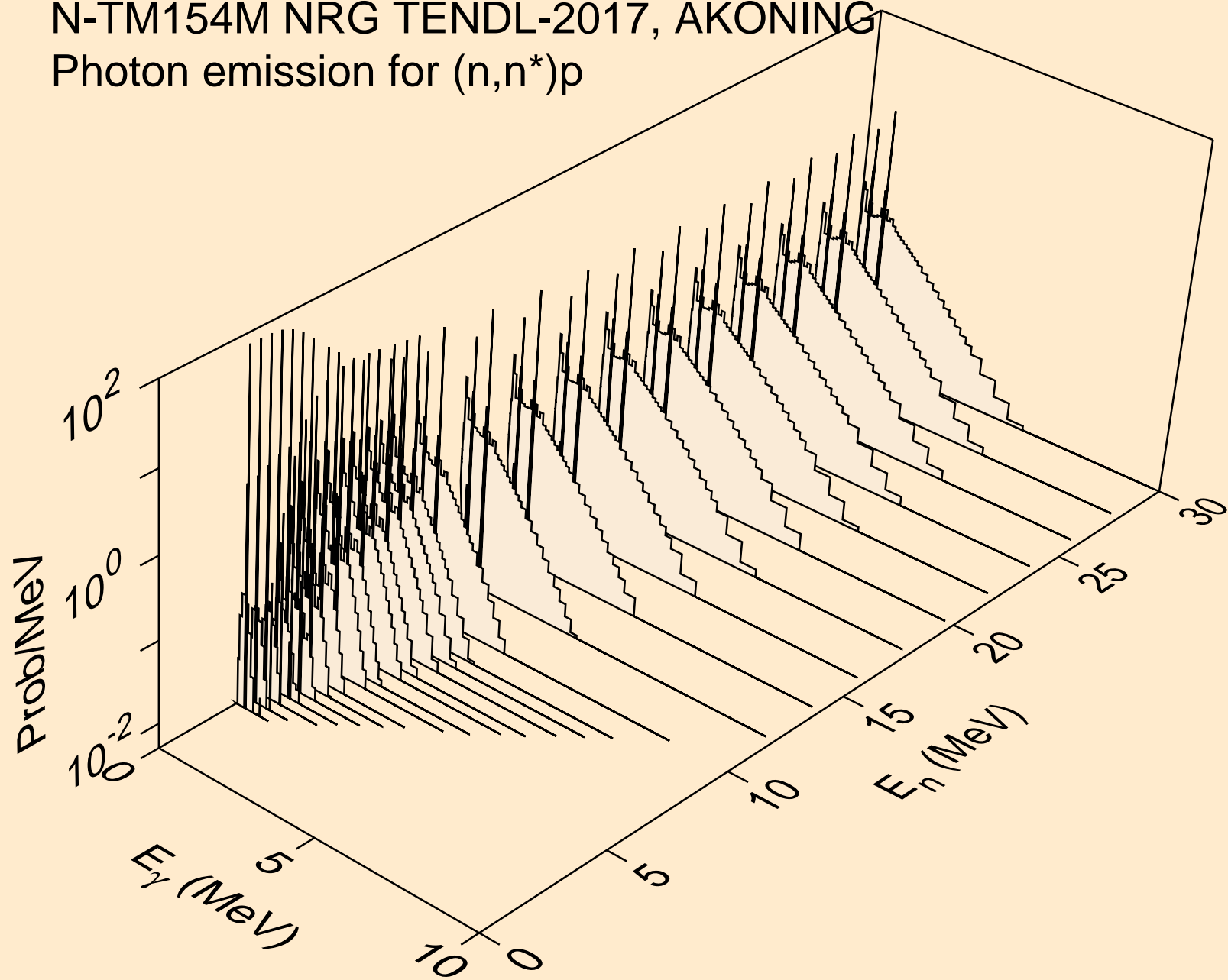
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,2n)a



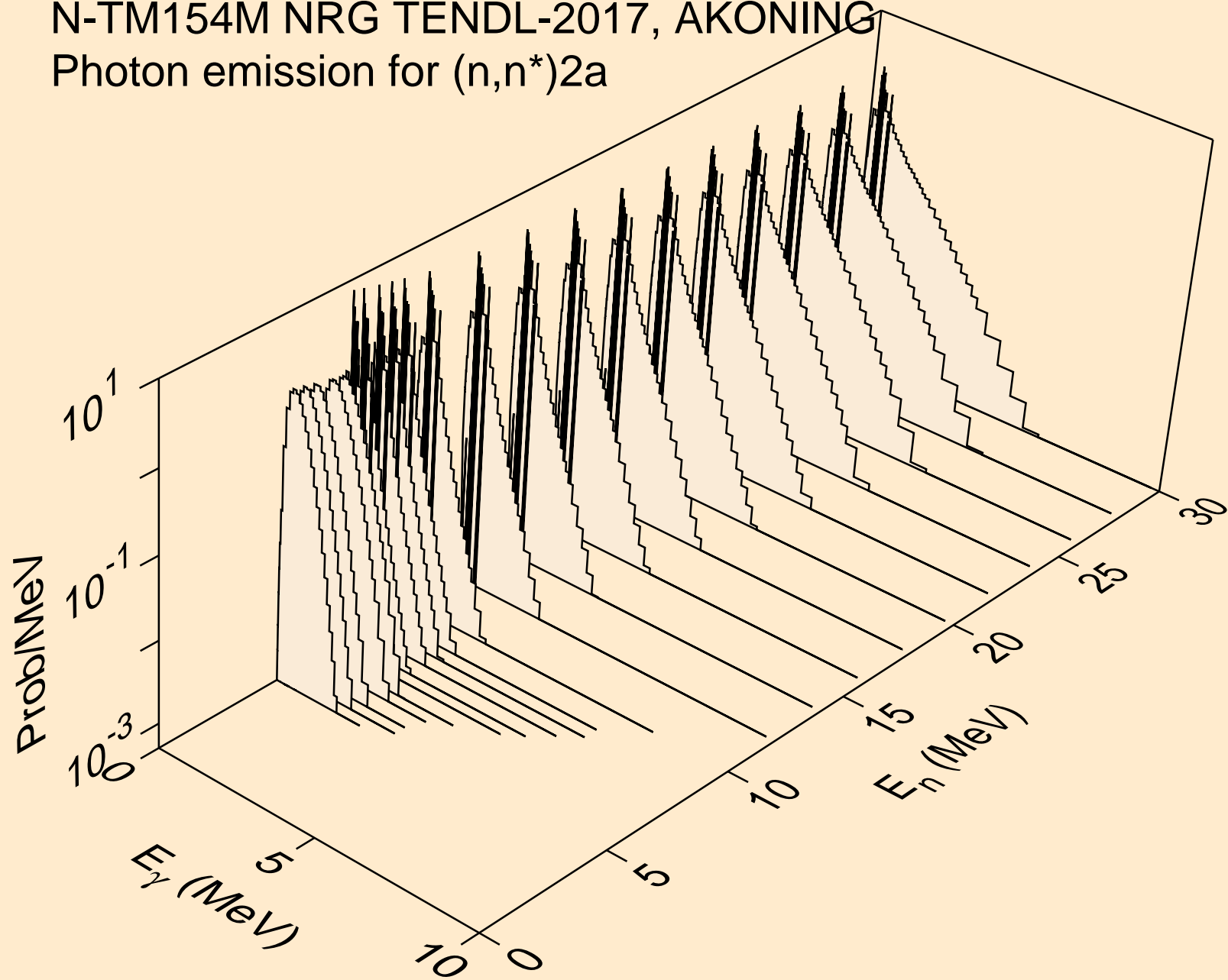
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,3n)a



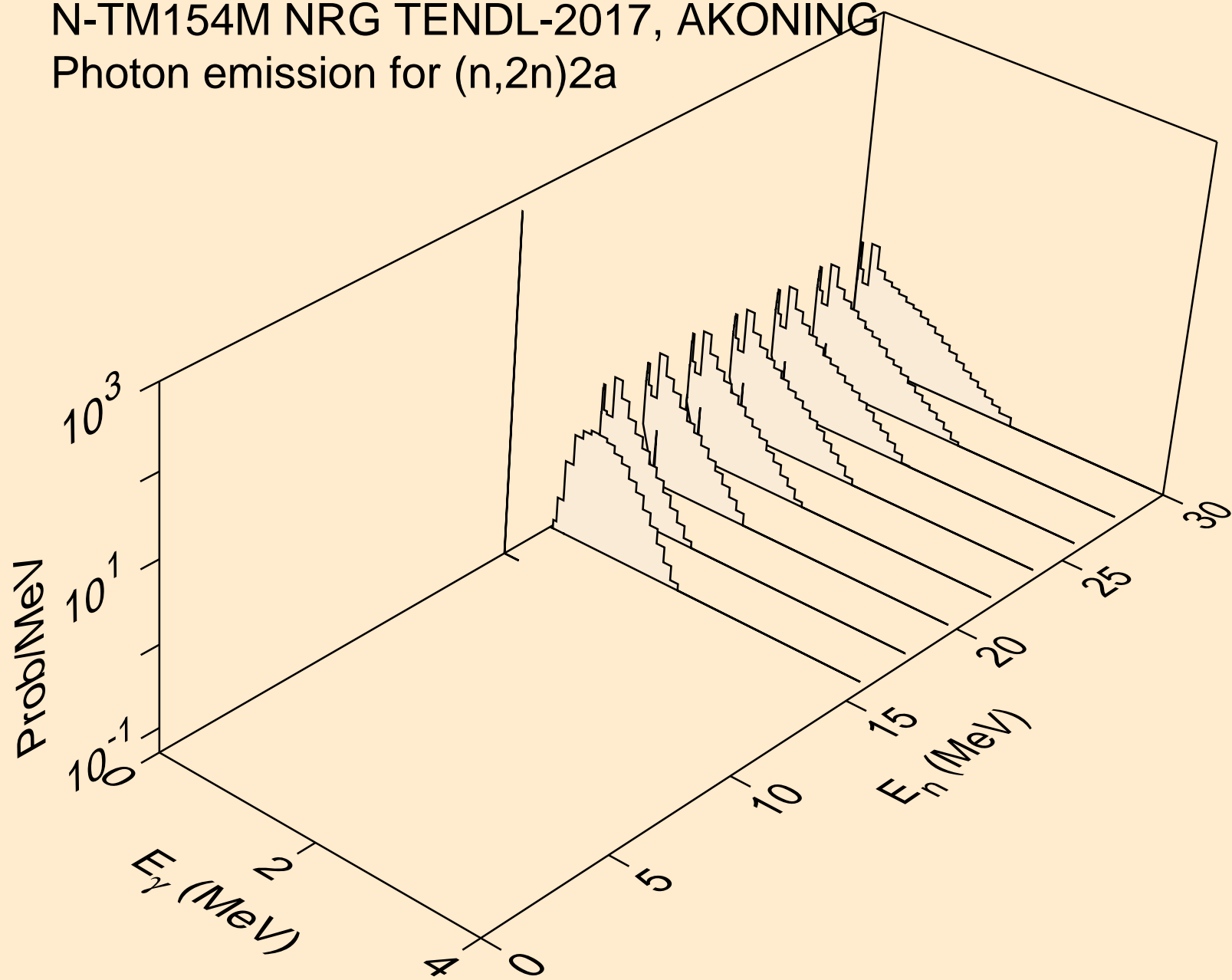
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)p



N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)2a

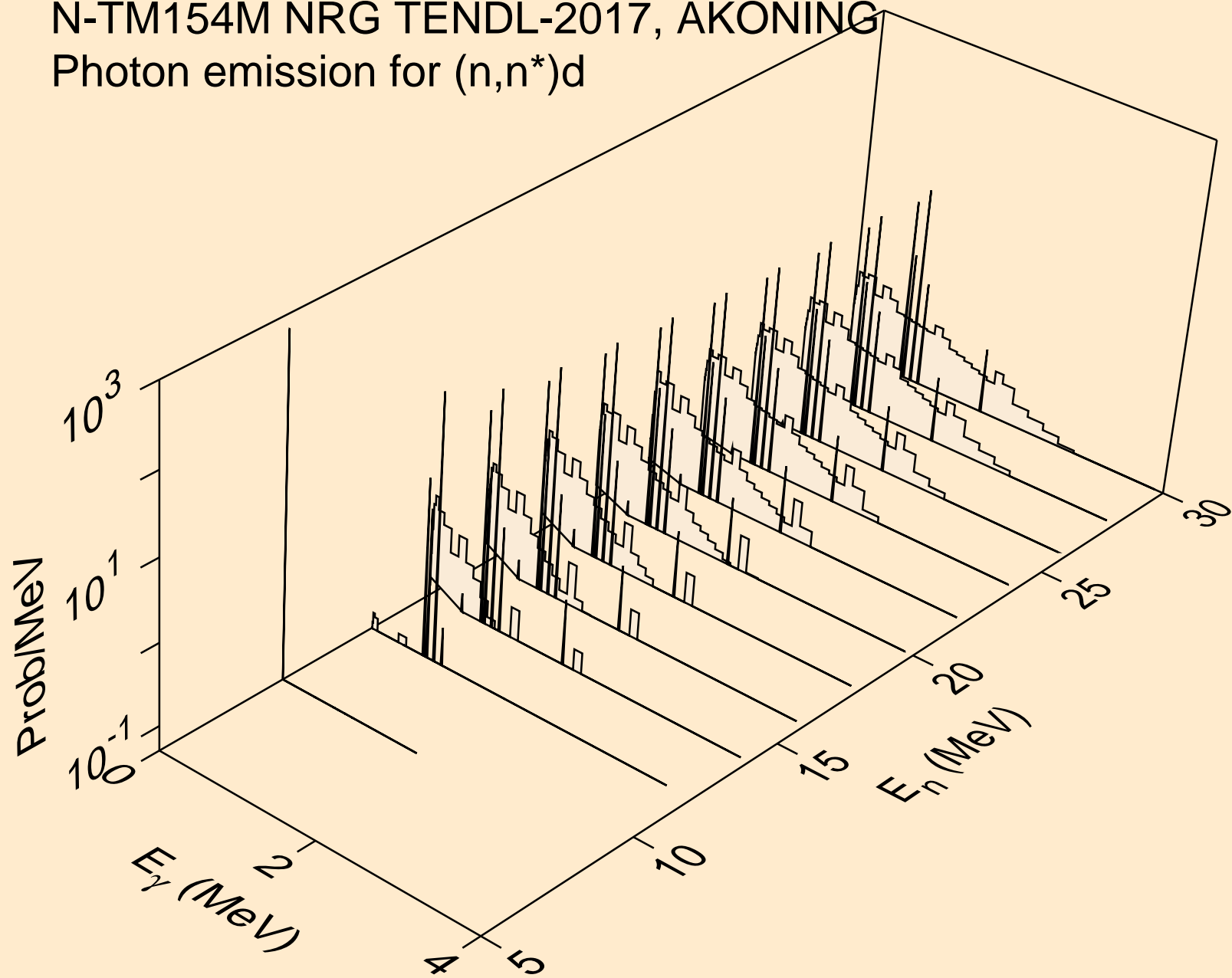


N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,2n)2a

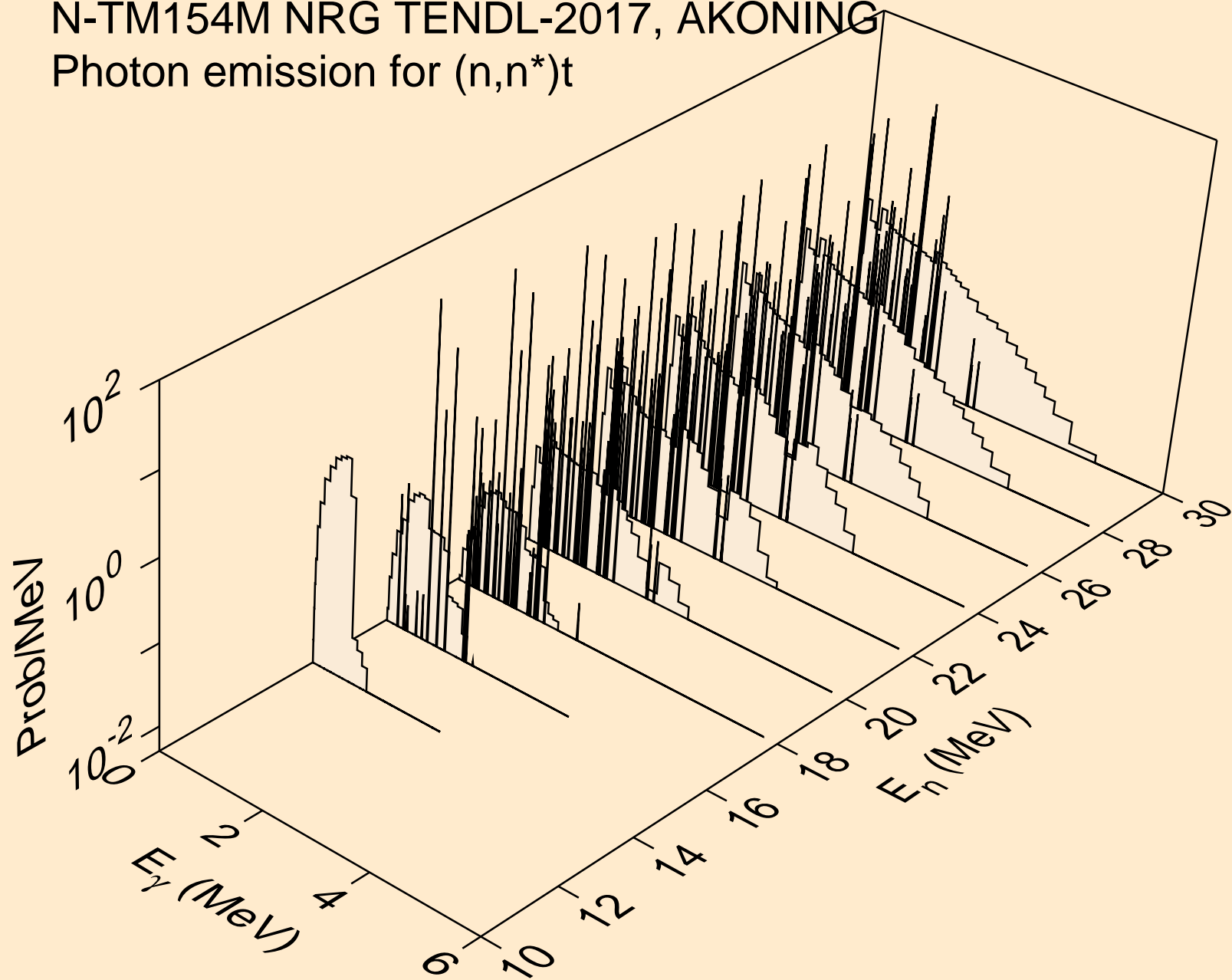




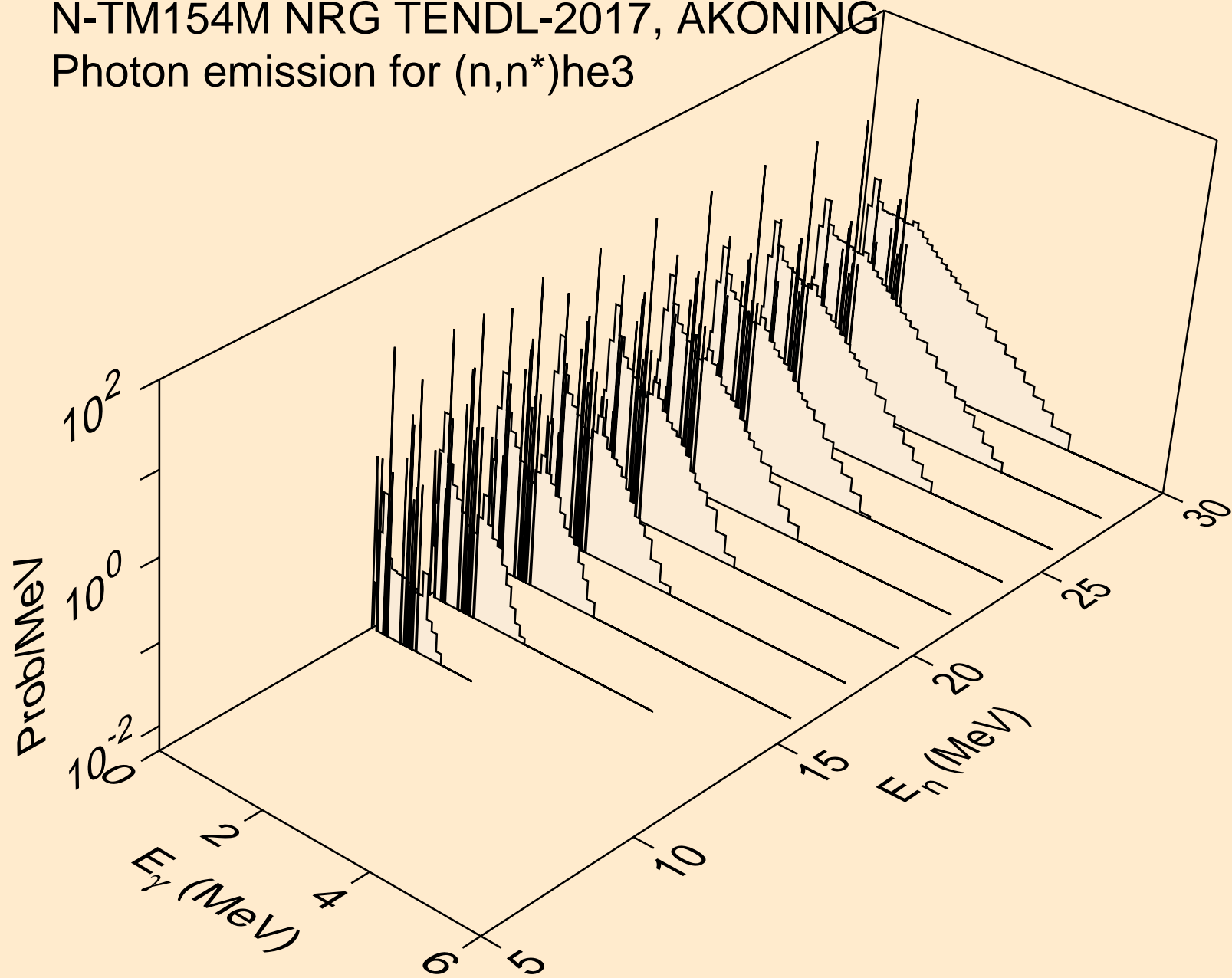
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)d



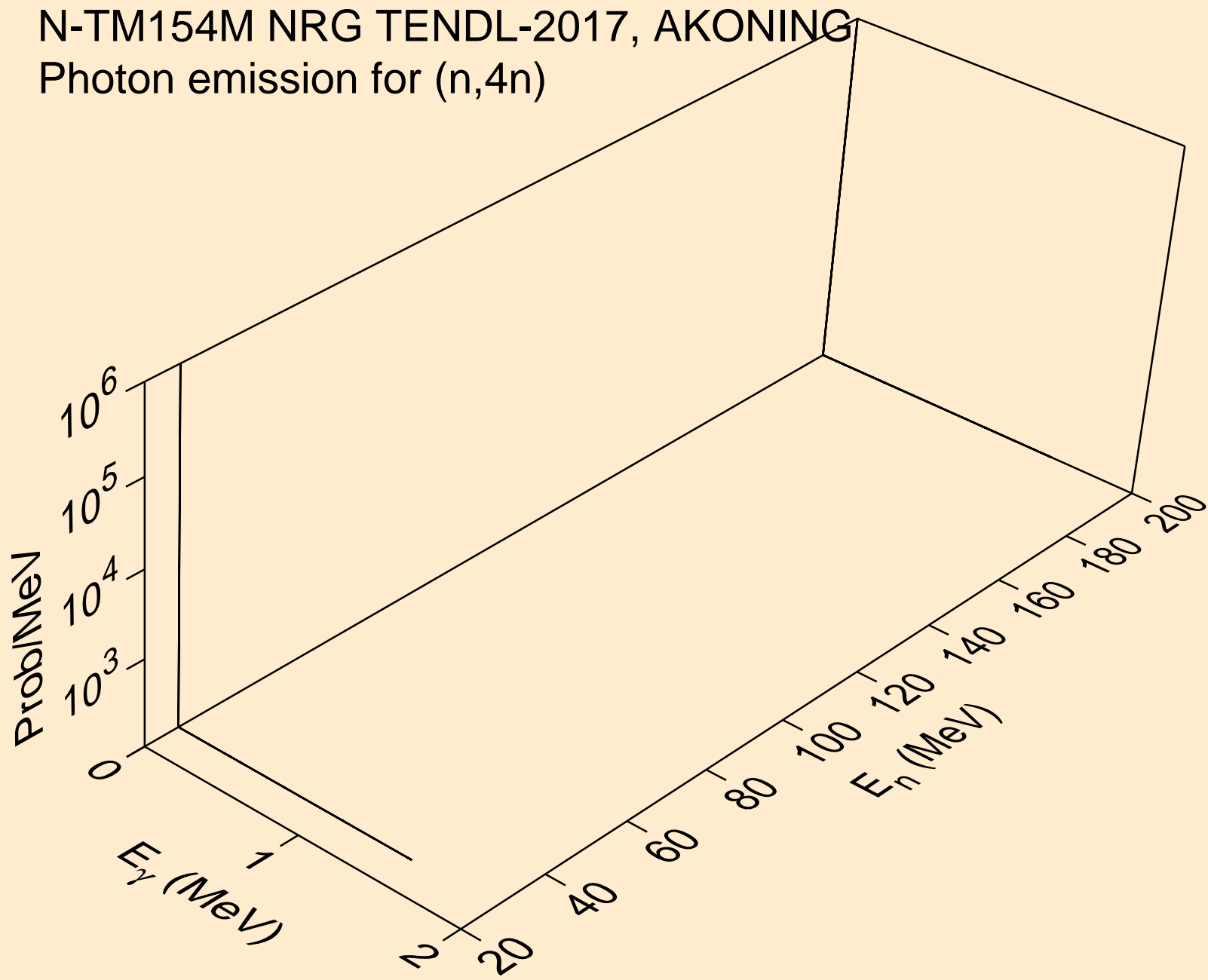
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Photon emission for (n,n\*)t



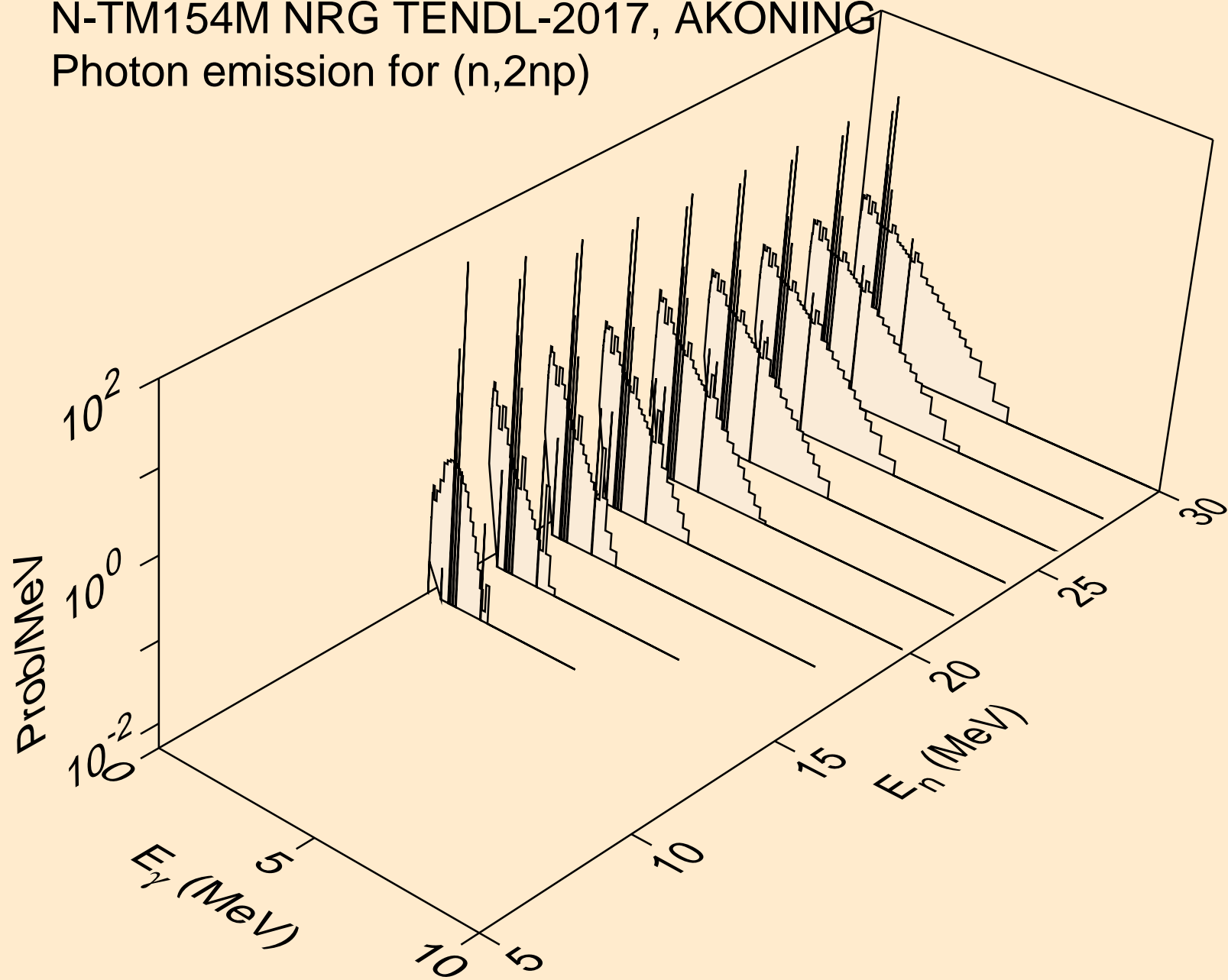
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)he3



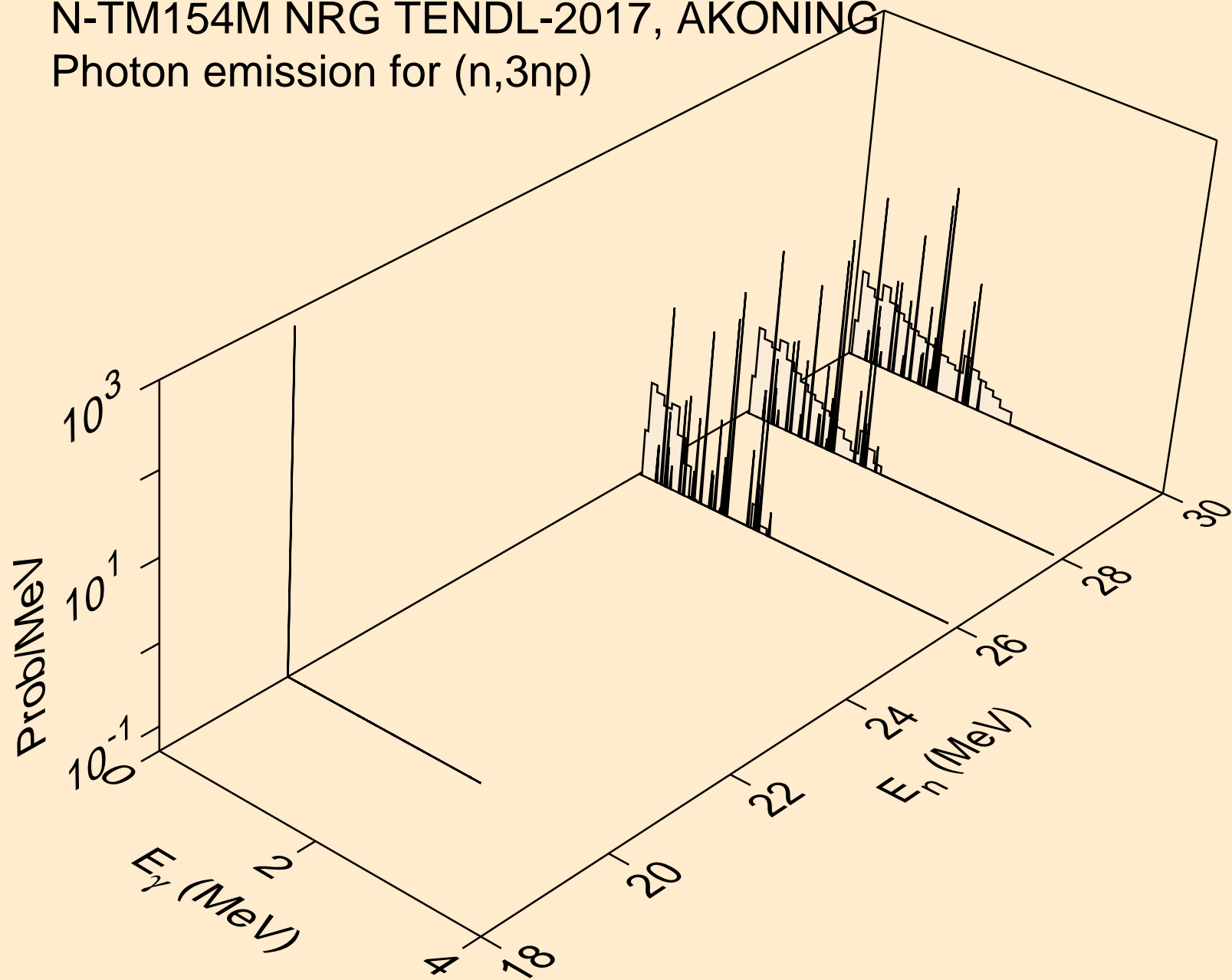
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,4n)



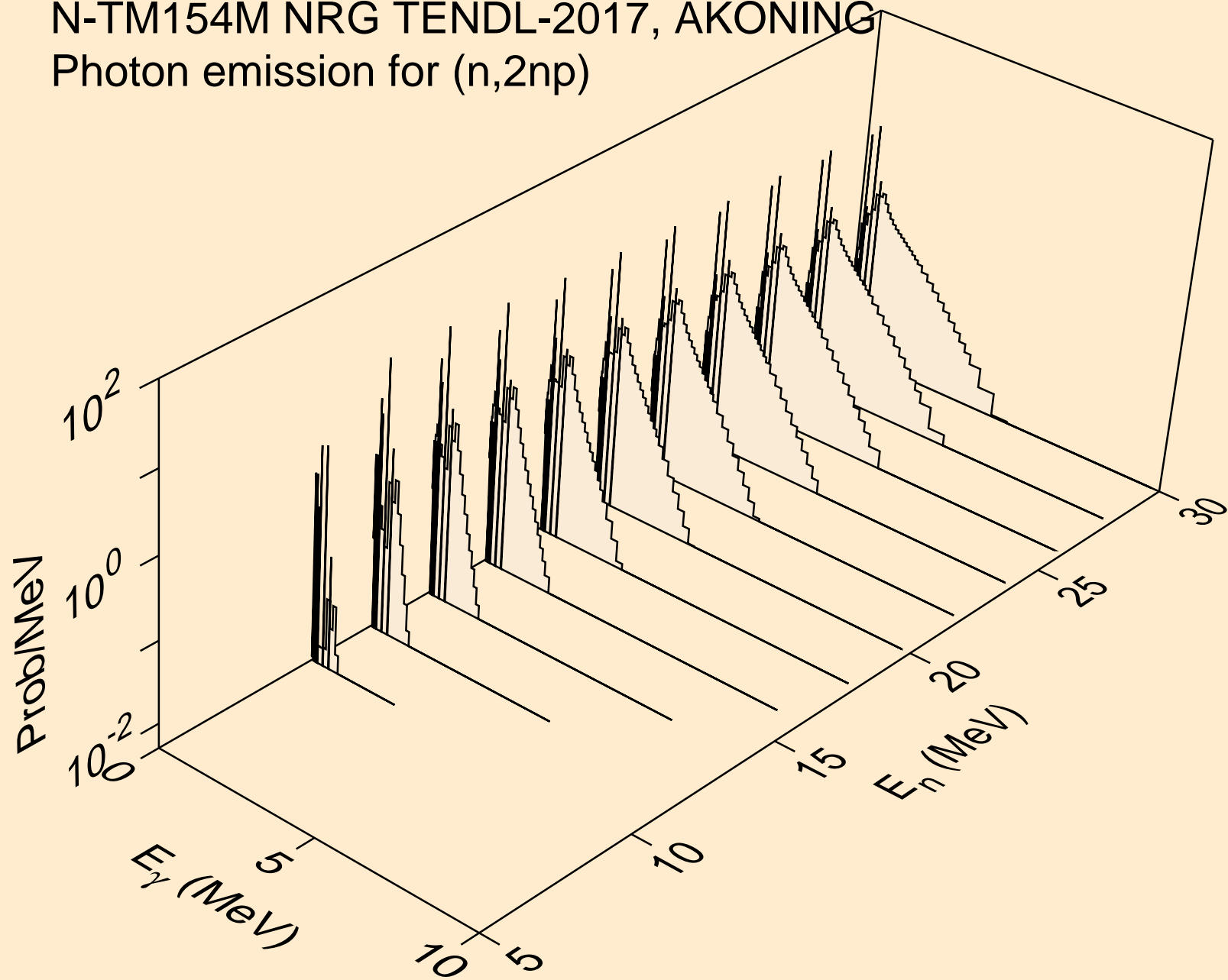
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,2np)



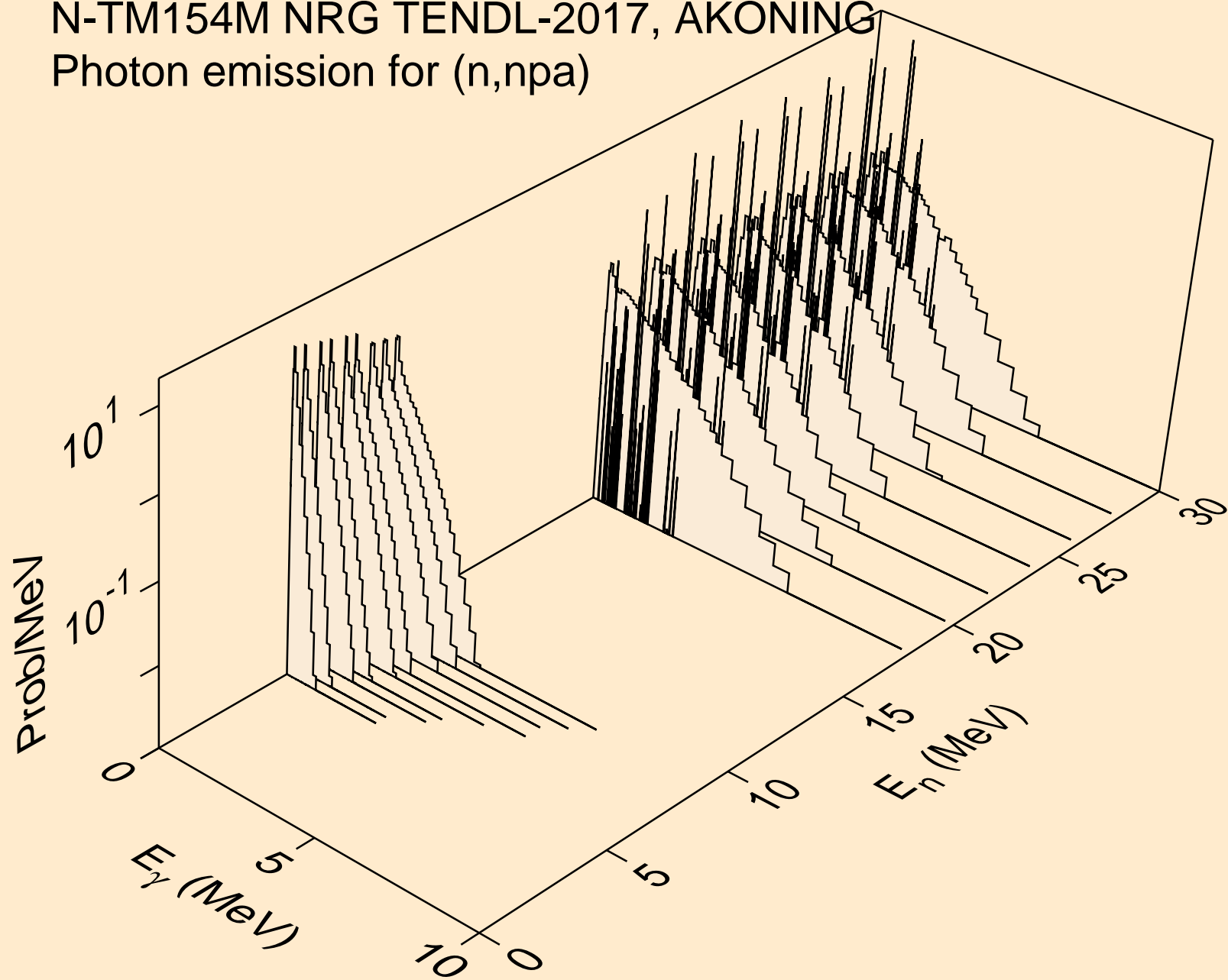
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,3np)



N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,2np)

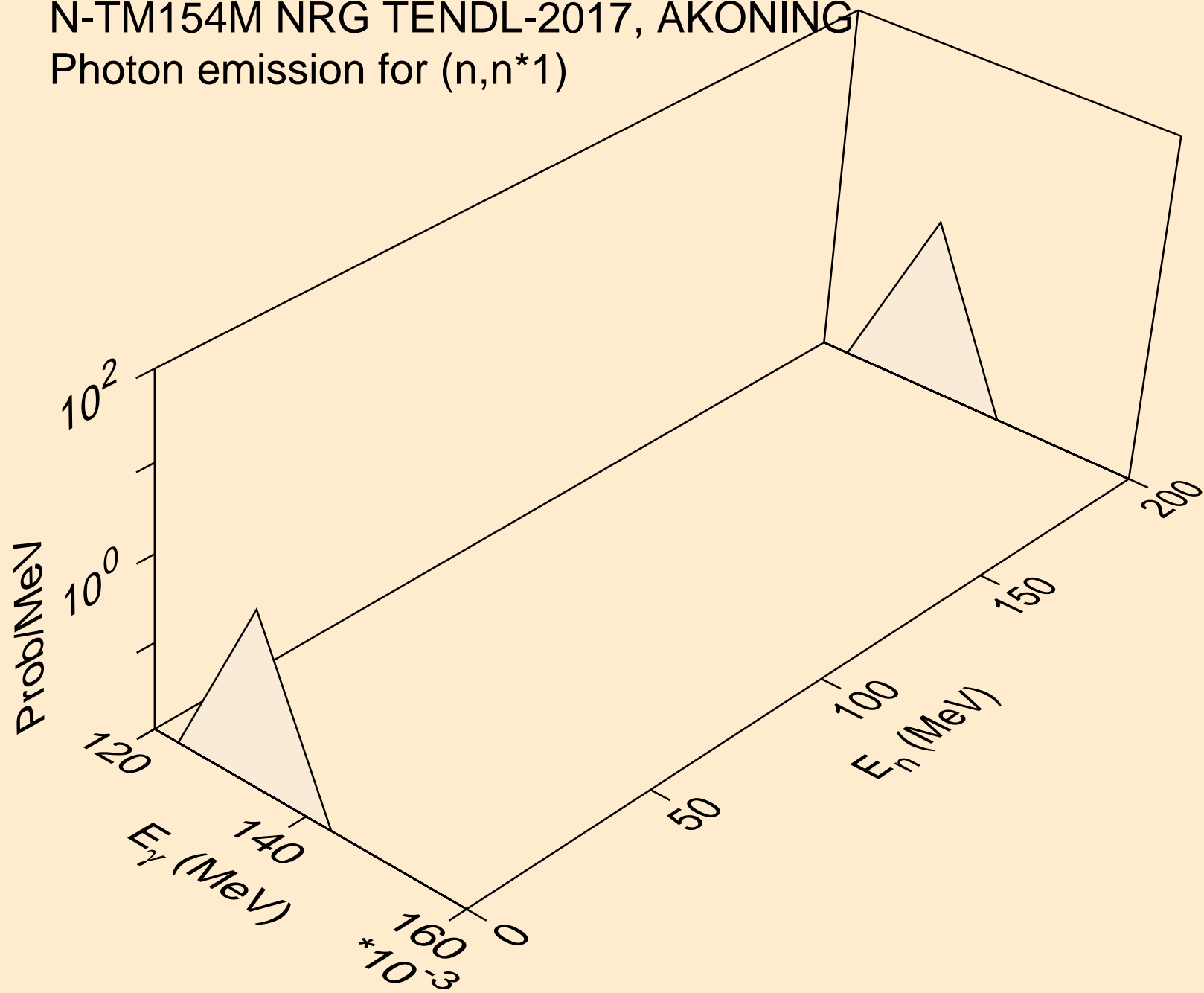


N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,npa)

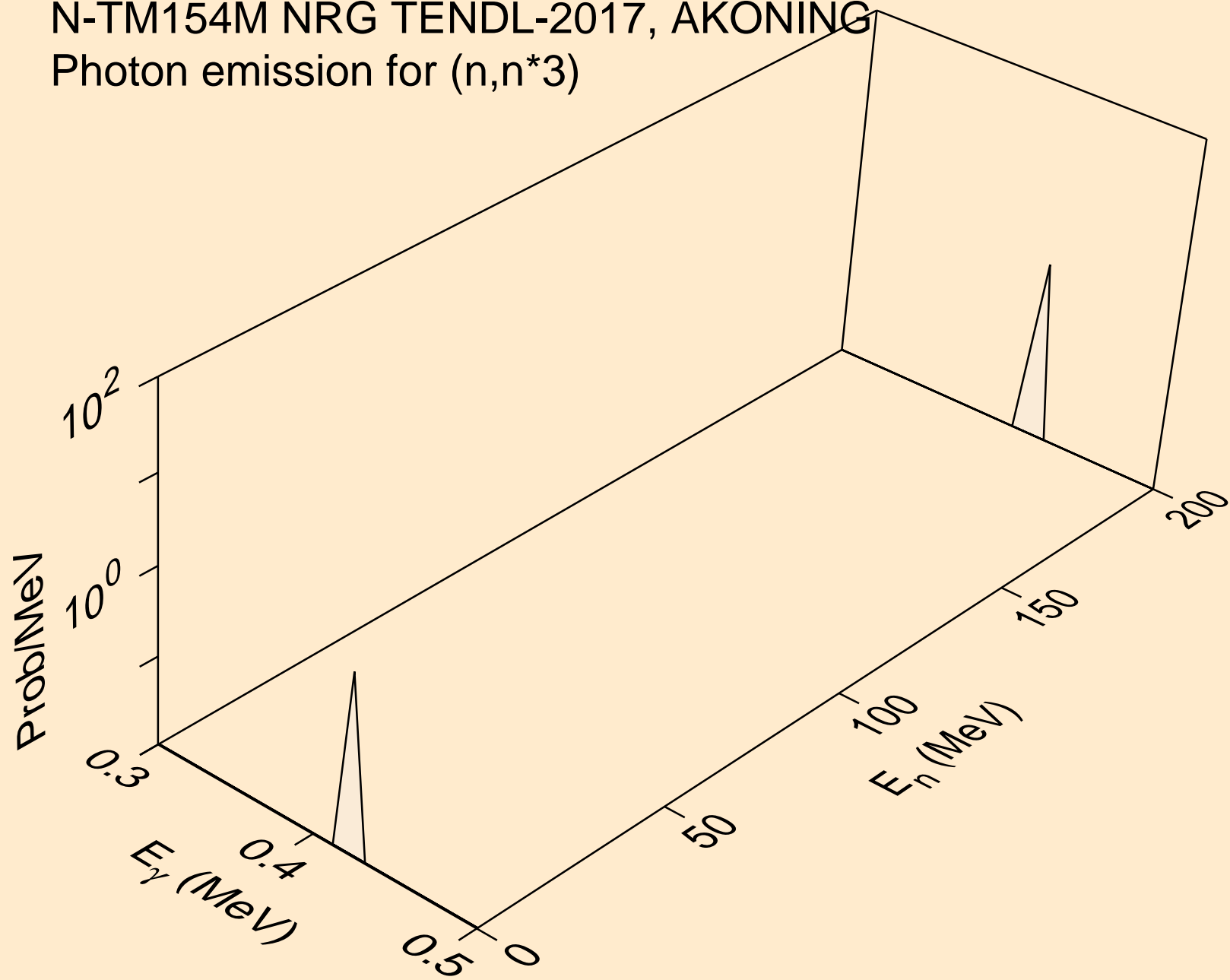




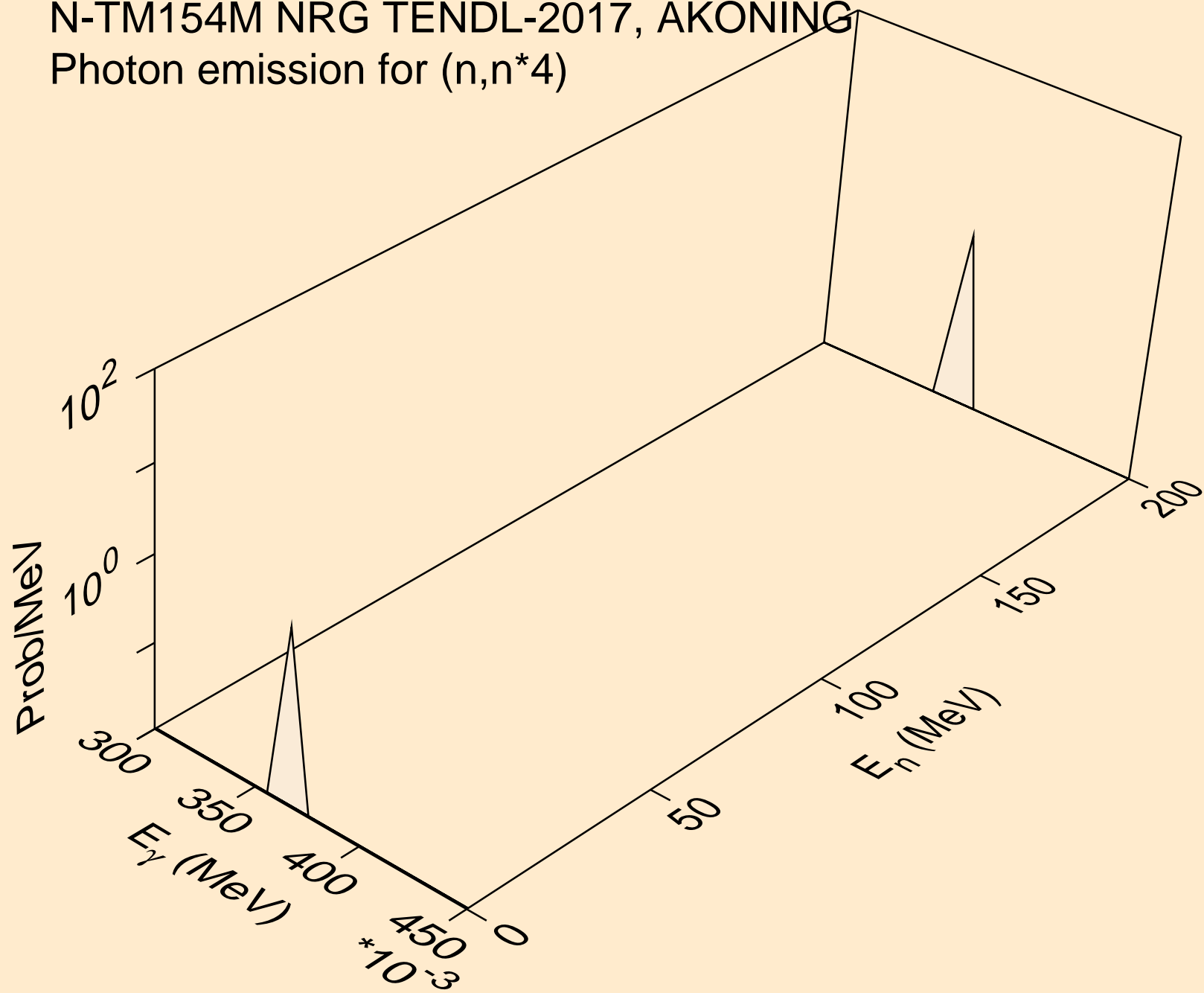
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*1)



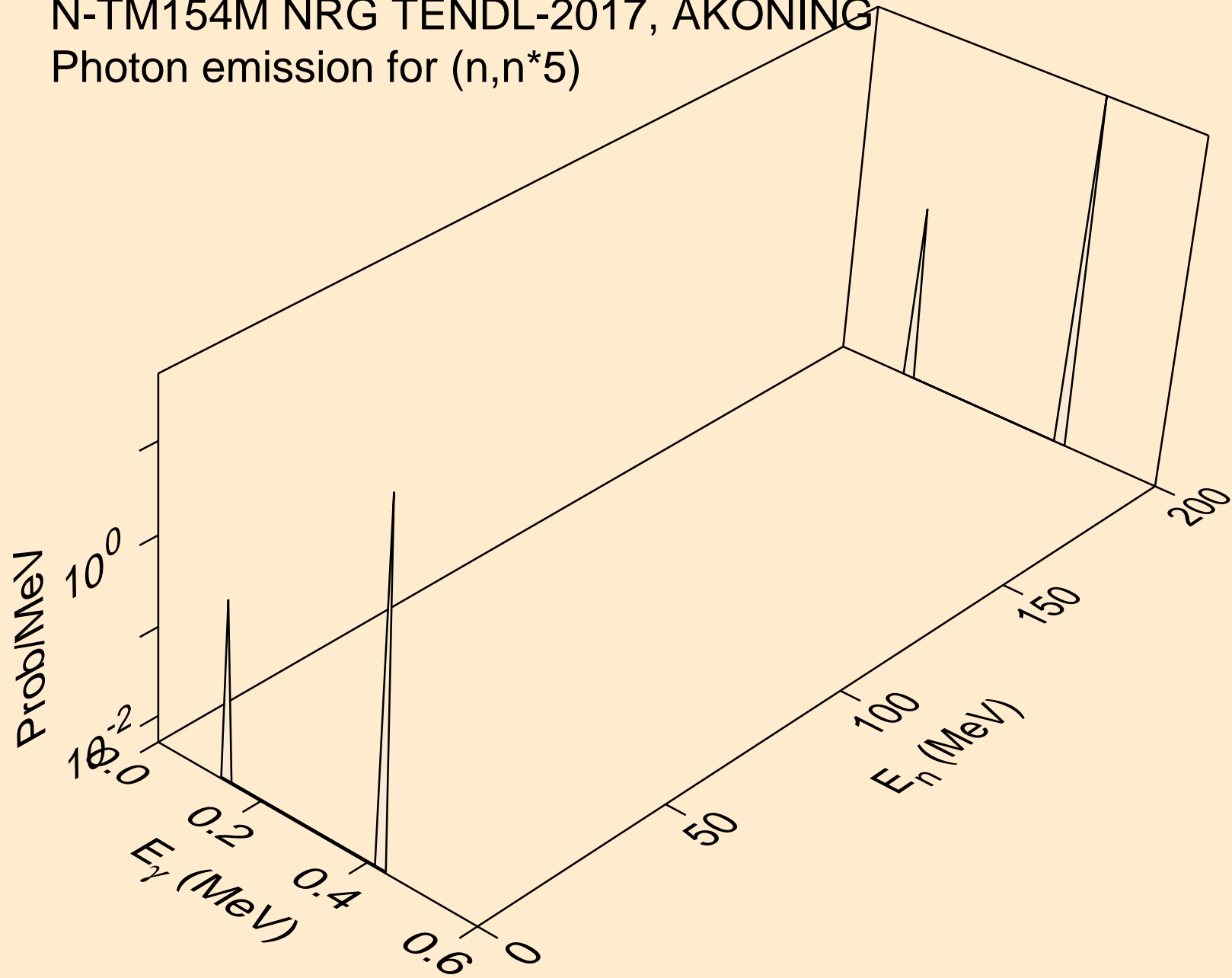
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*3)



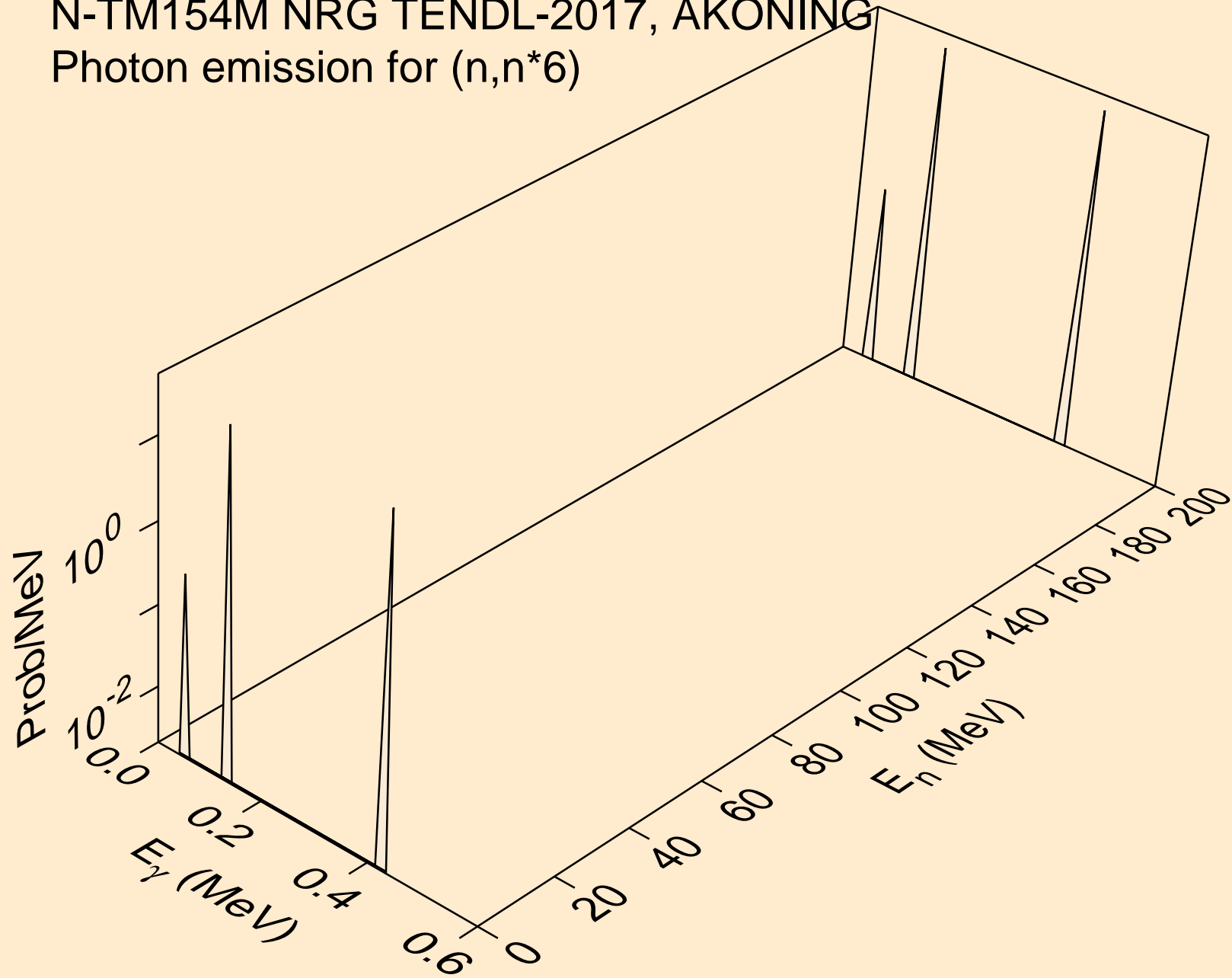
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Photon emission for (n,n\*4)



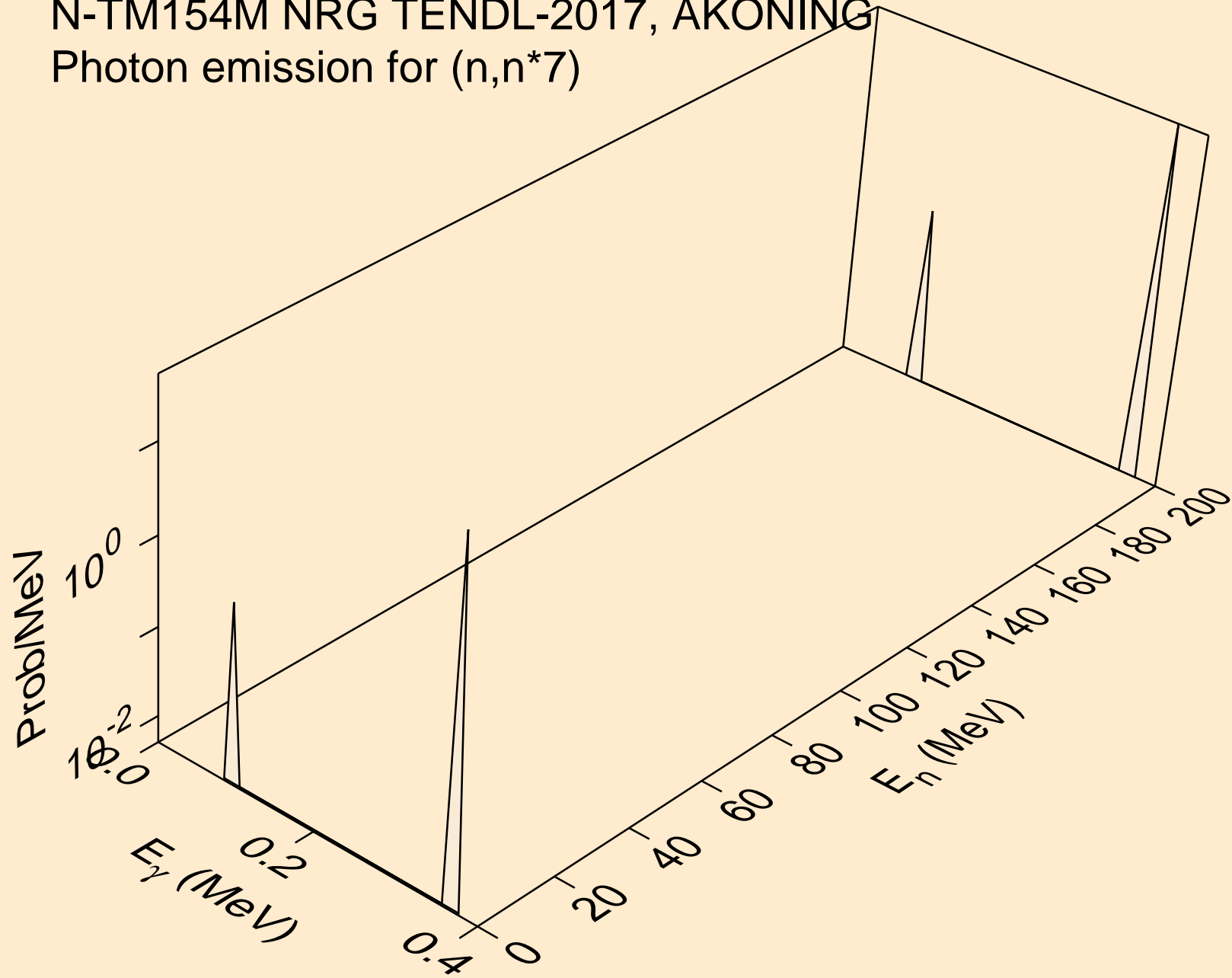
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Photon emission for (n,n\*5)



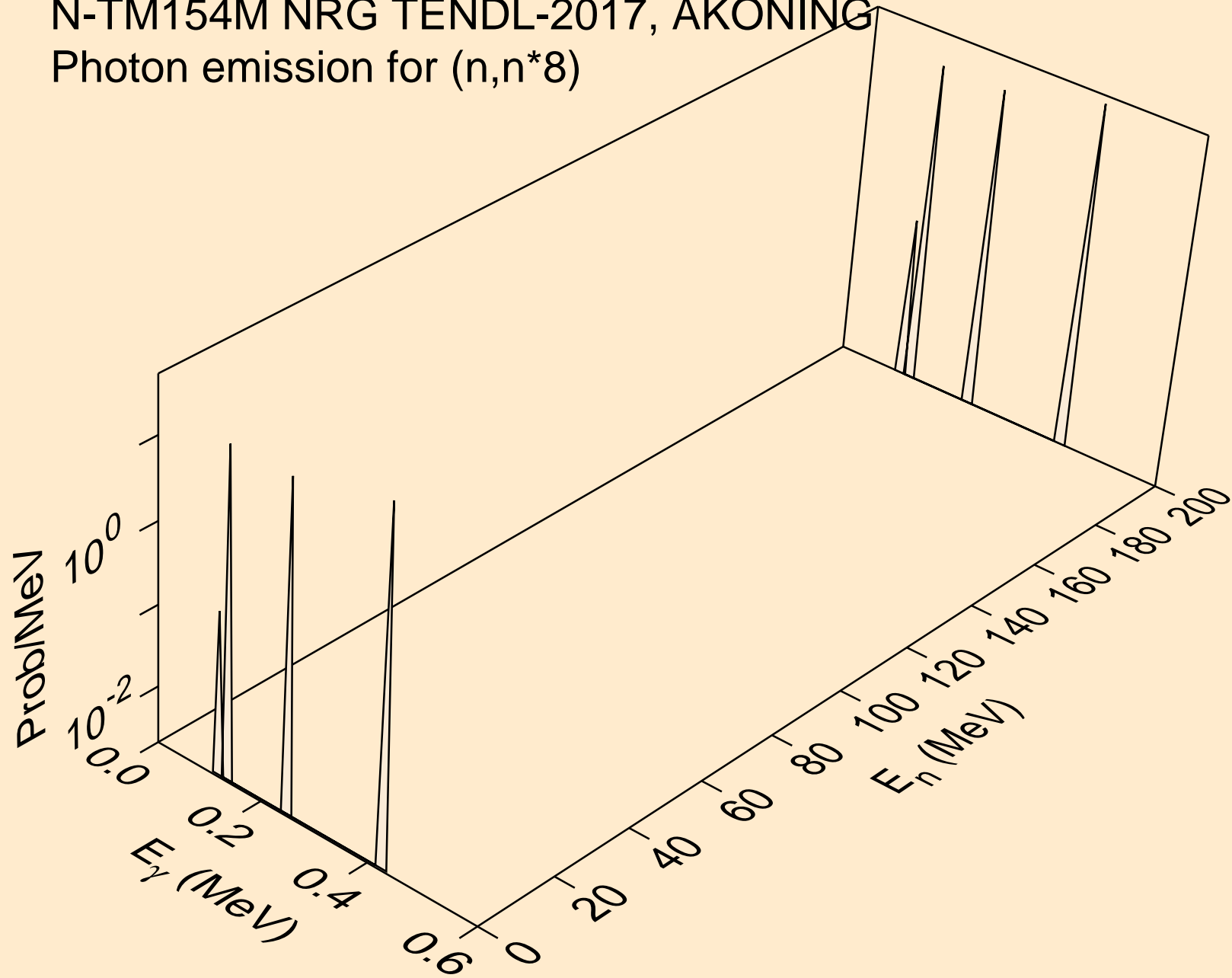
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Photon emission for (n,n\*6)



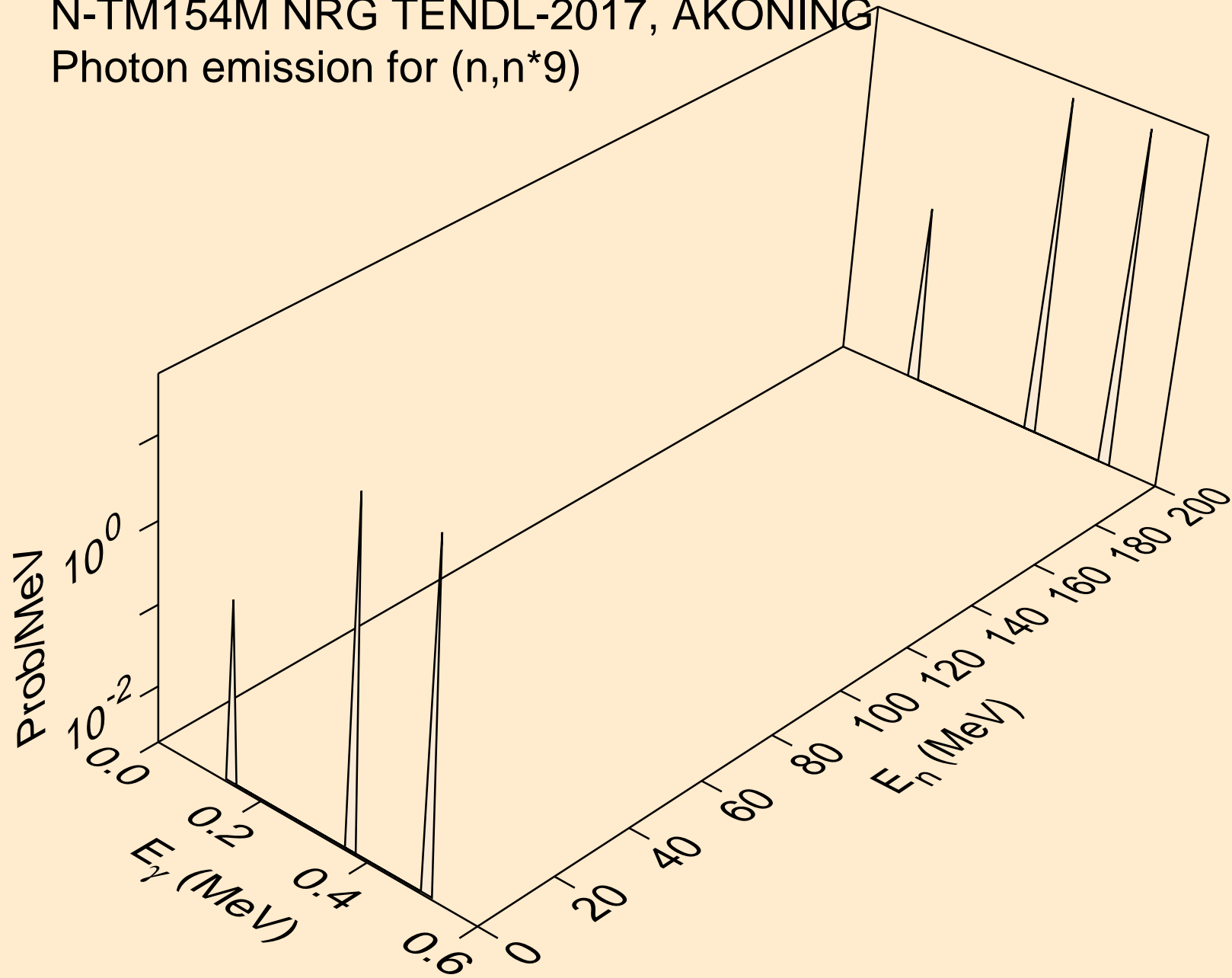
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*7)



N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*8)

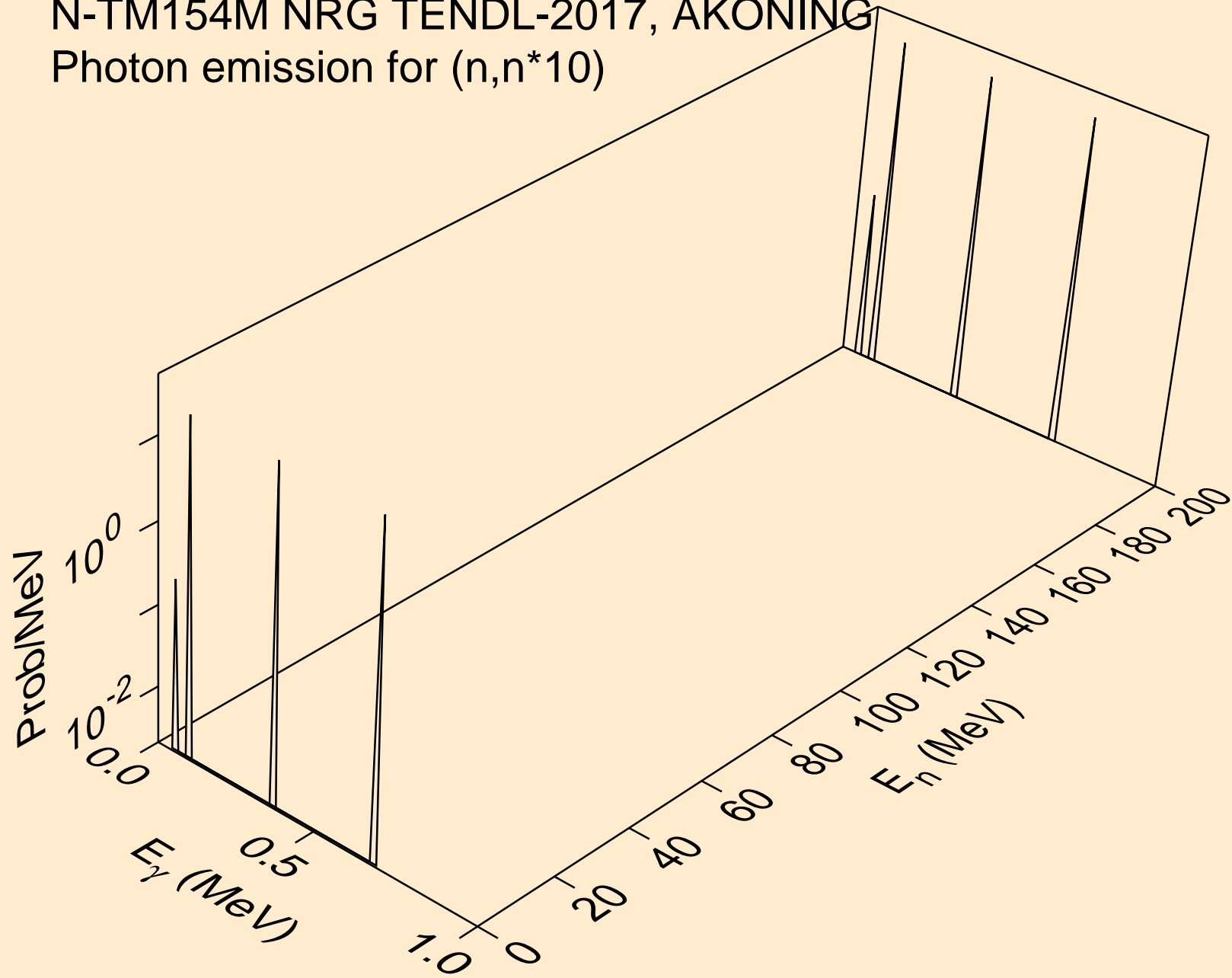


N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*9)

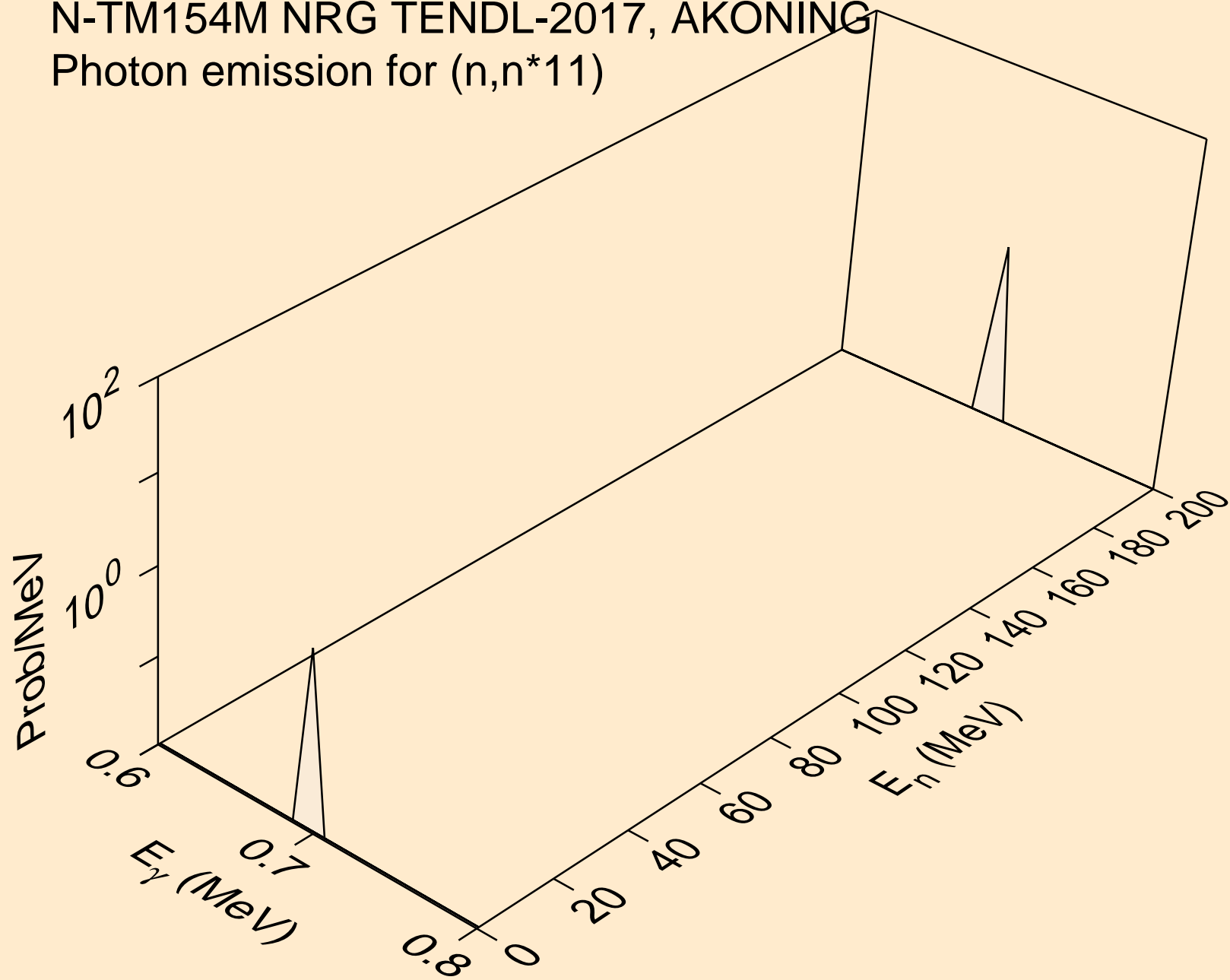




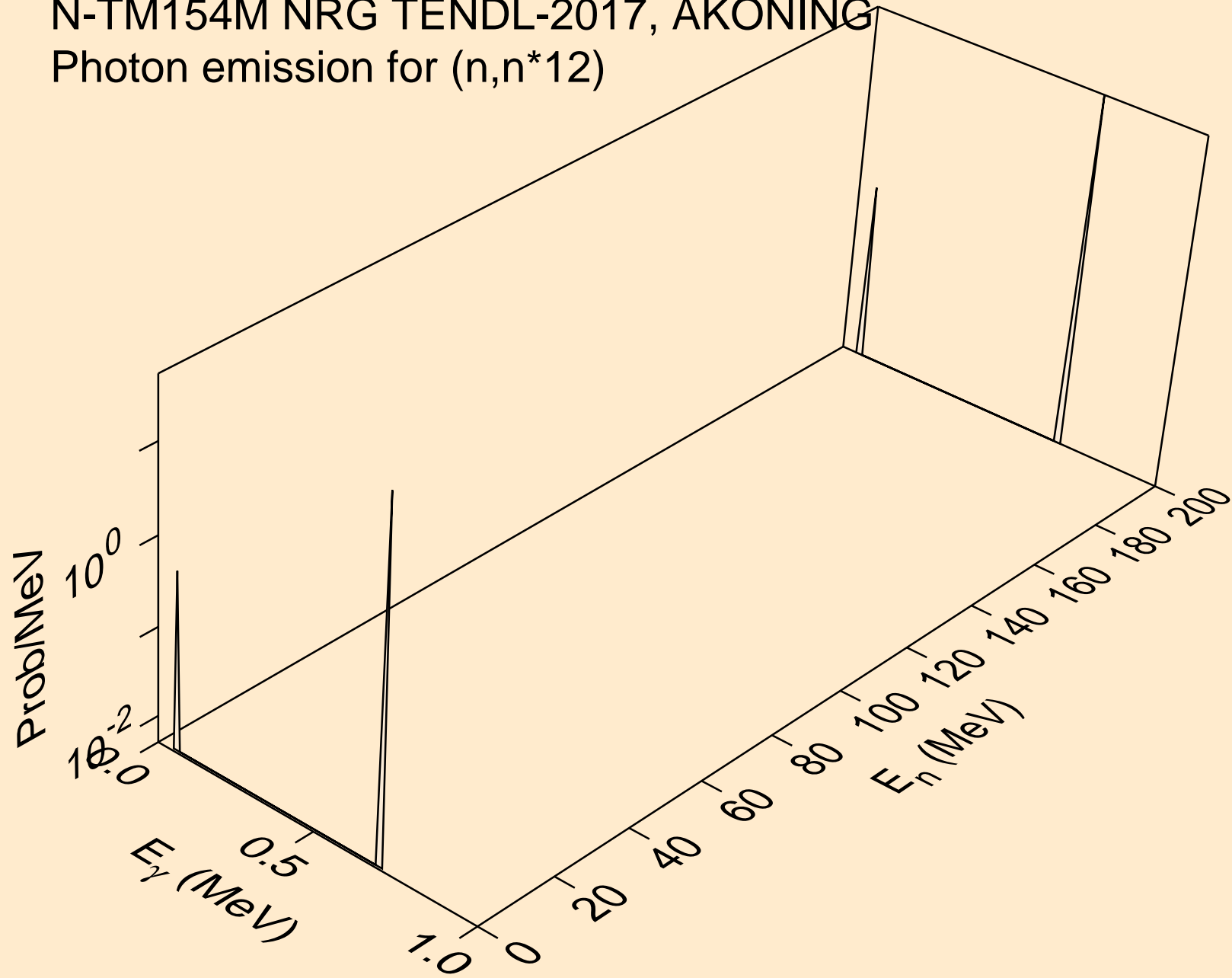
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Photon emission for (n,n\*10)



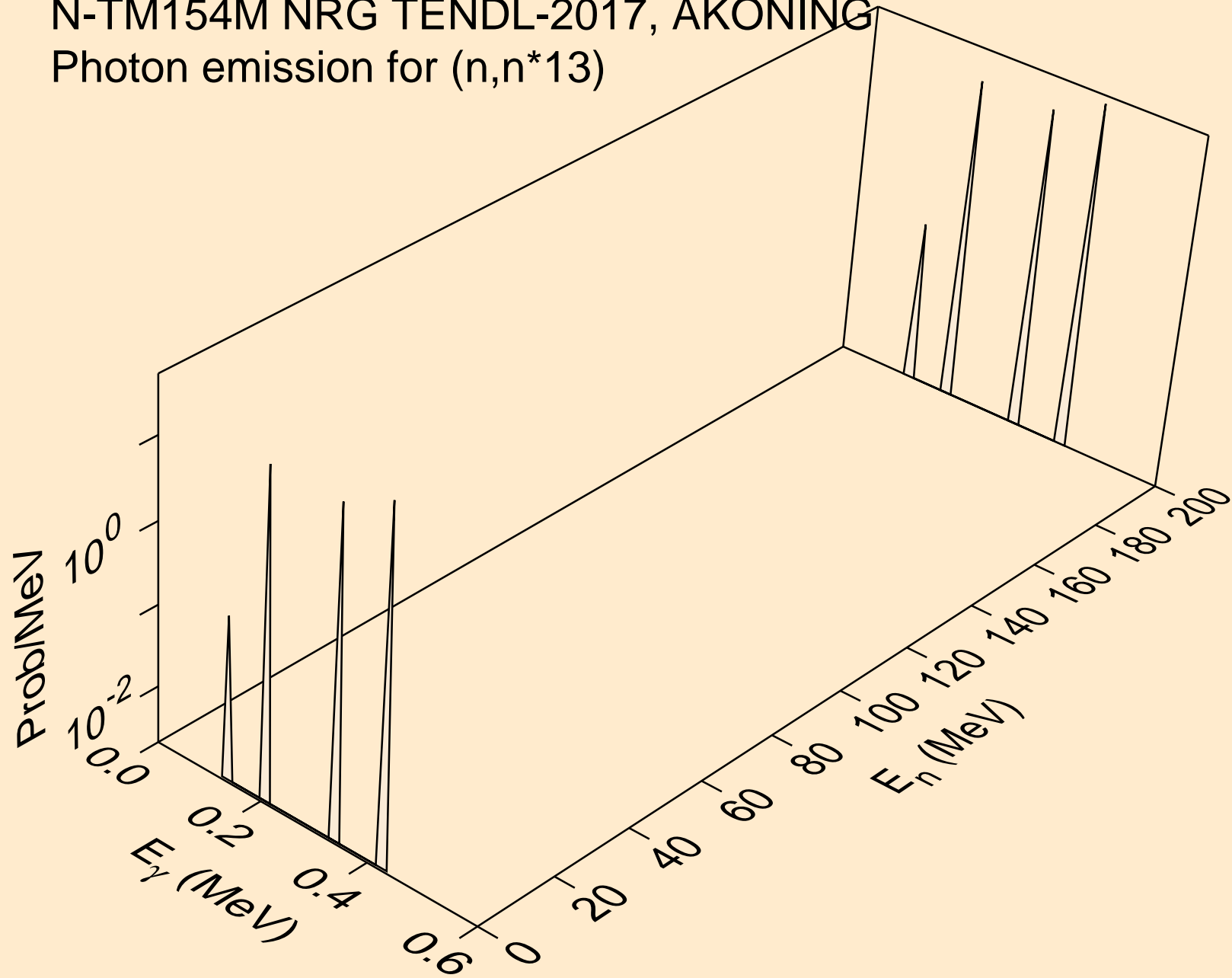
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Photon emission for (n,n\*11)



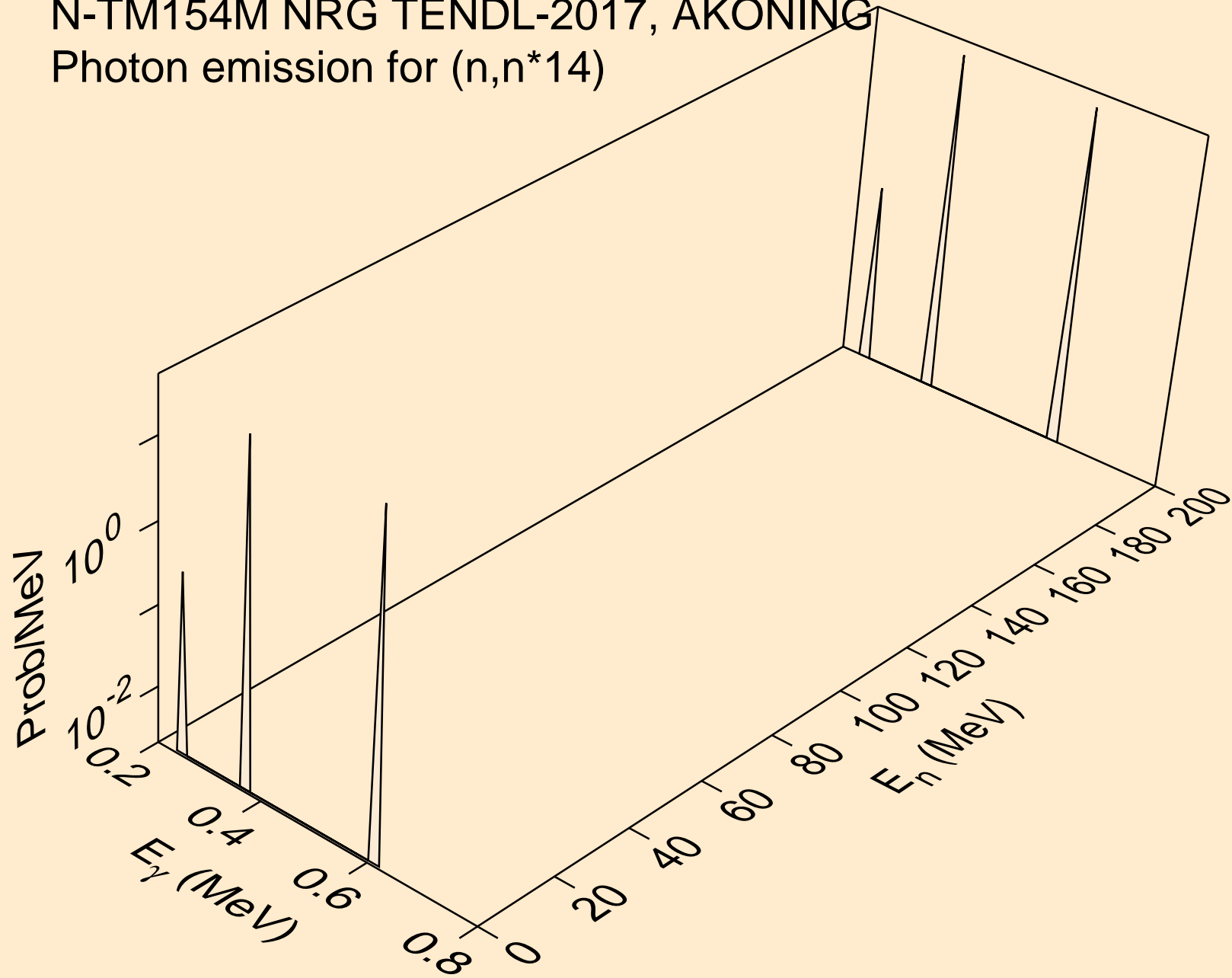
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Photon emission for (n,n\*12)



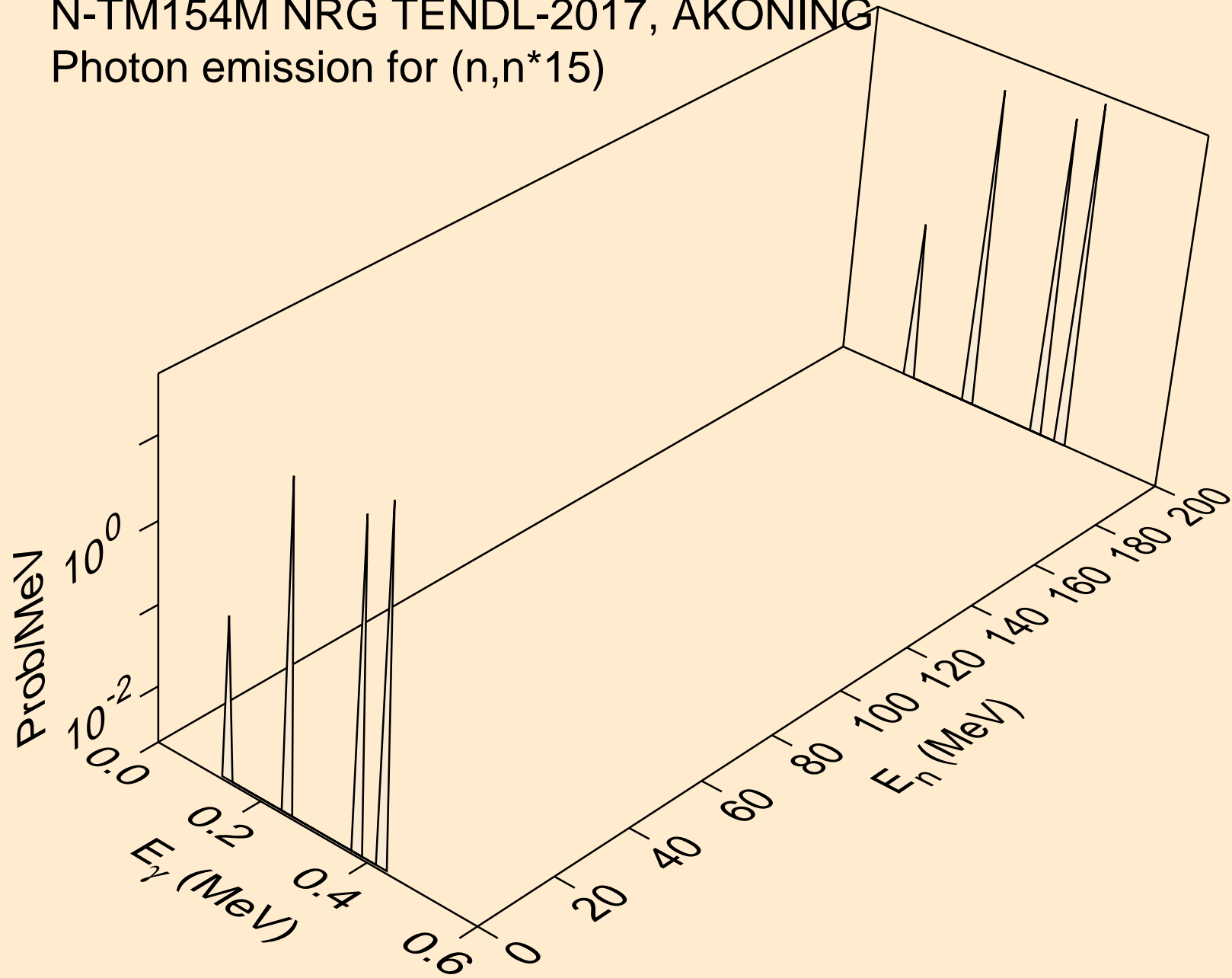
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Photon emission for (n,n\*13)



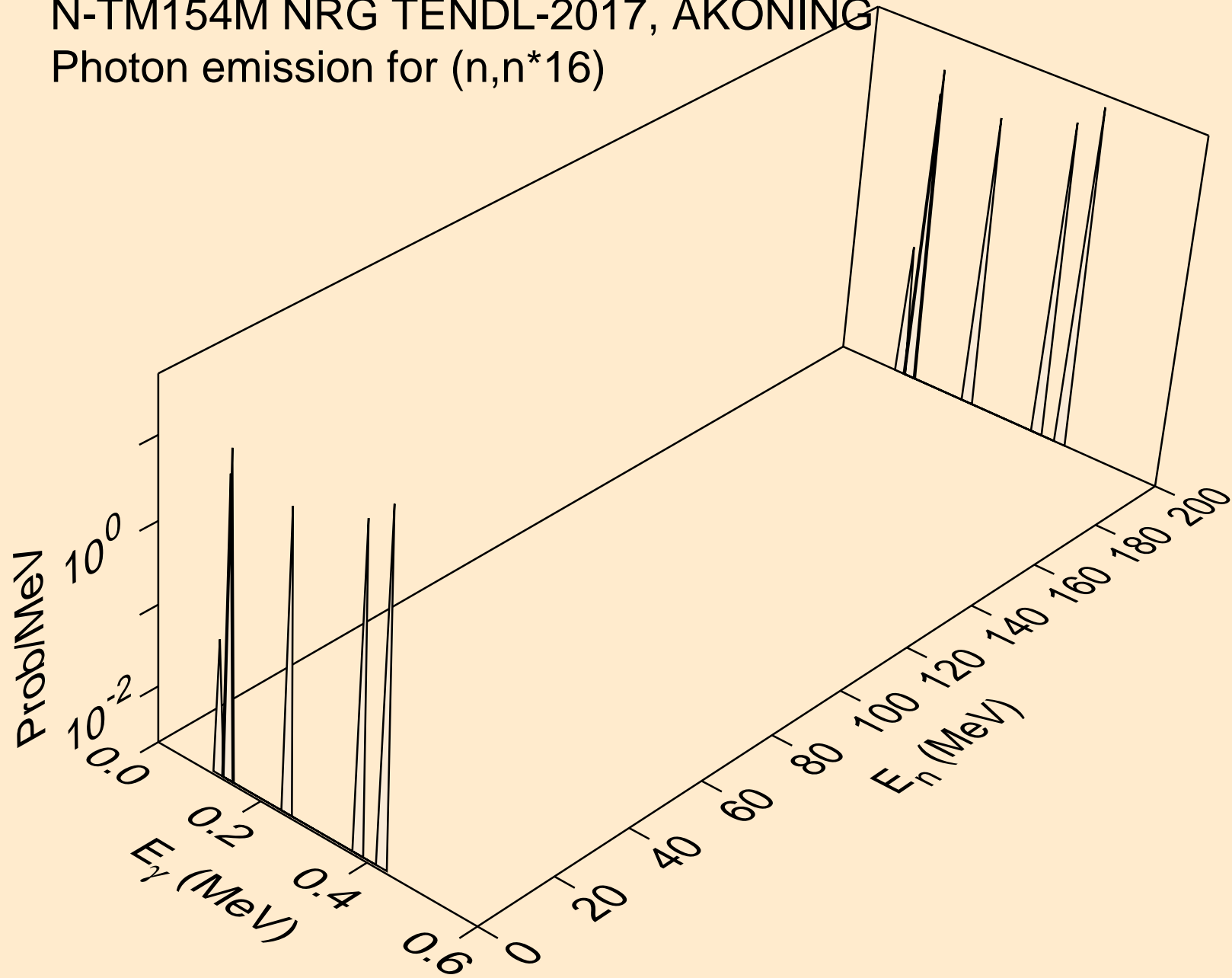
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Photon emission for (n,n\*14)



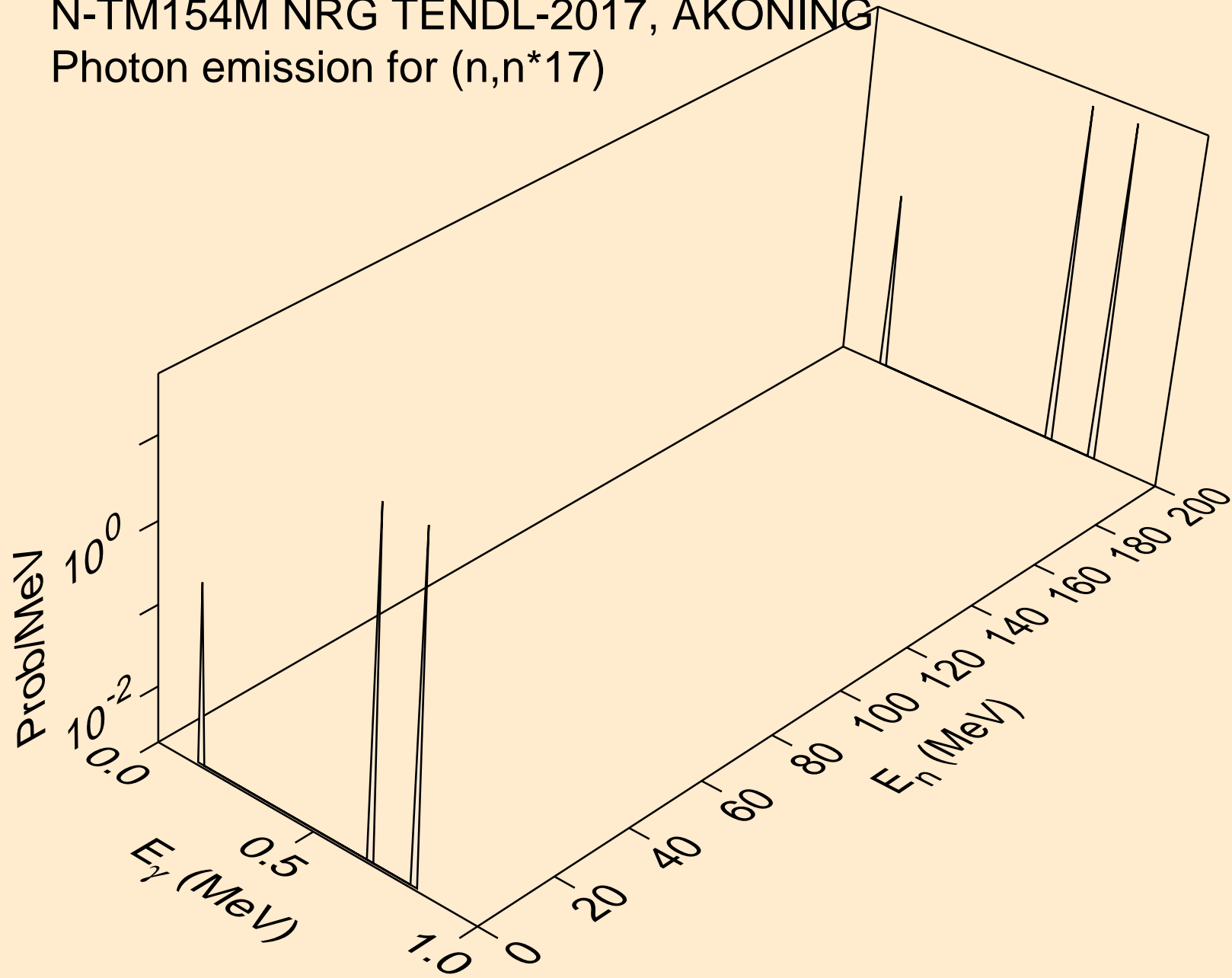
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*15)



N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*16)

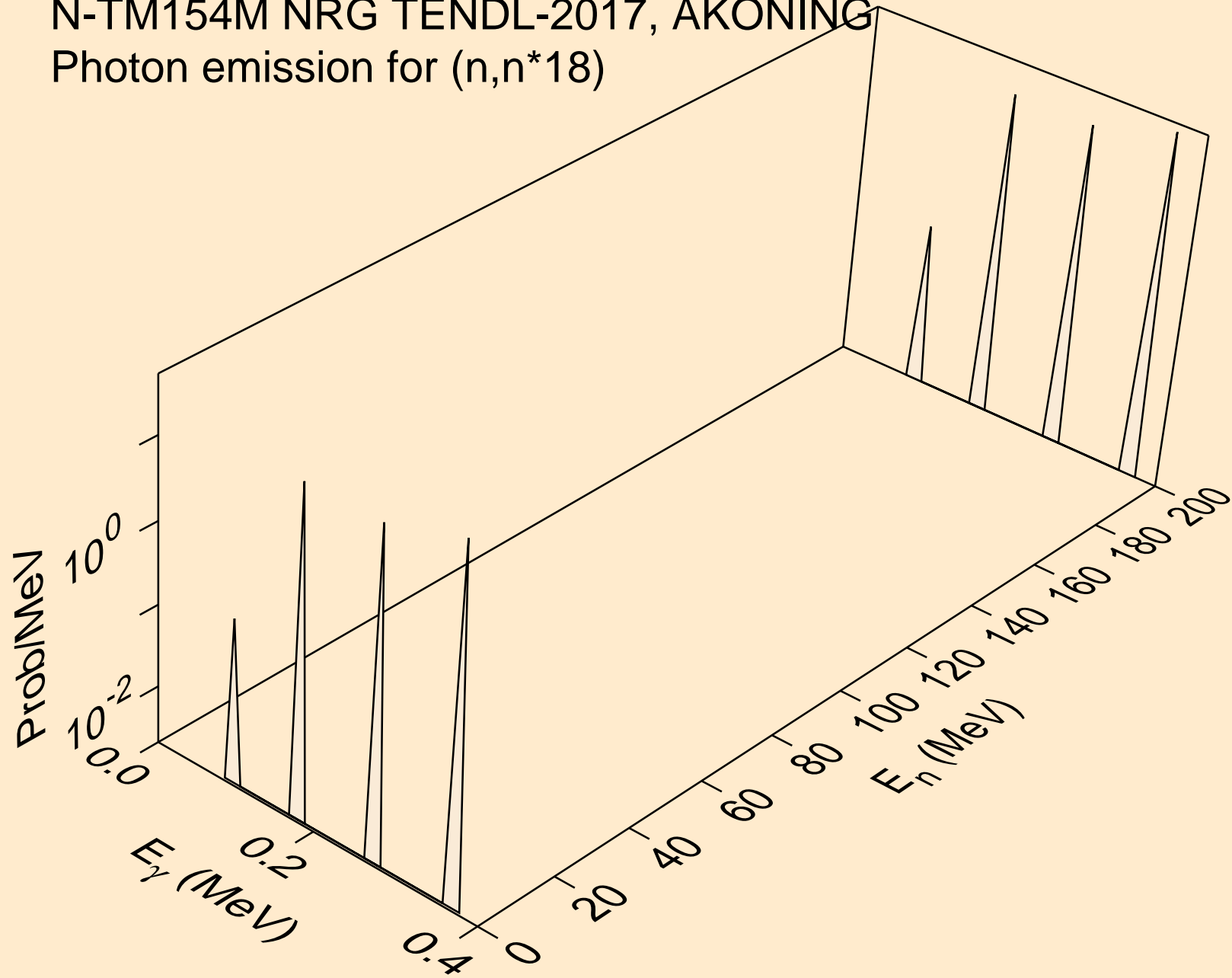


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Photon emission for (n,n\*17)

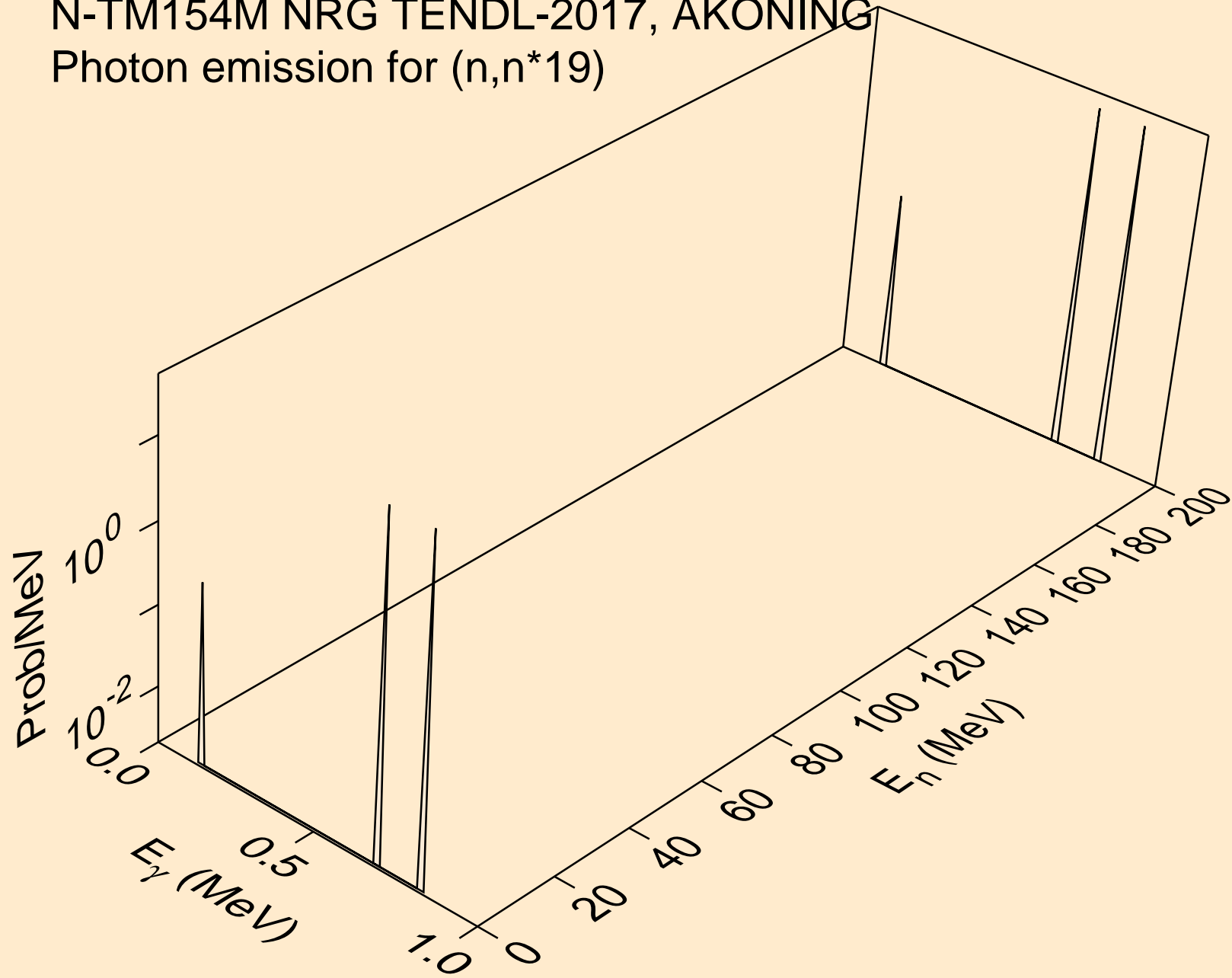




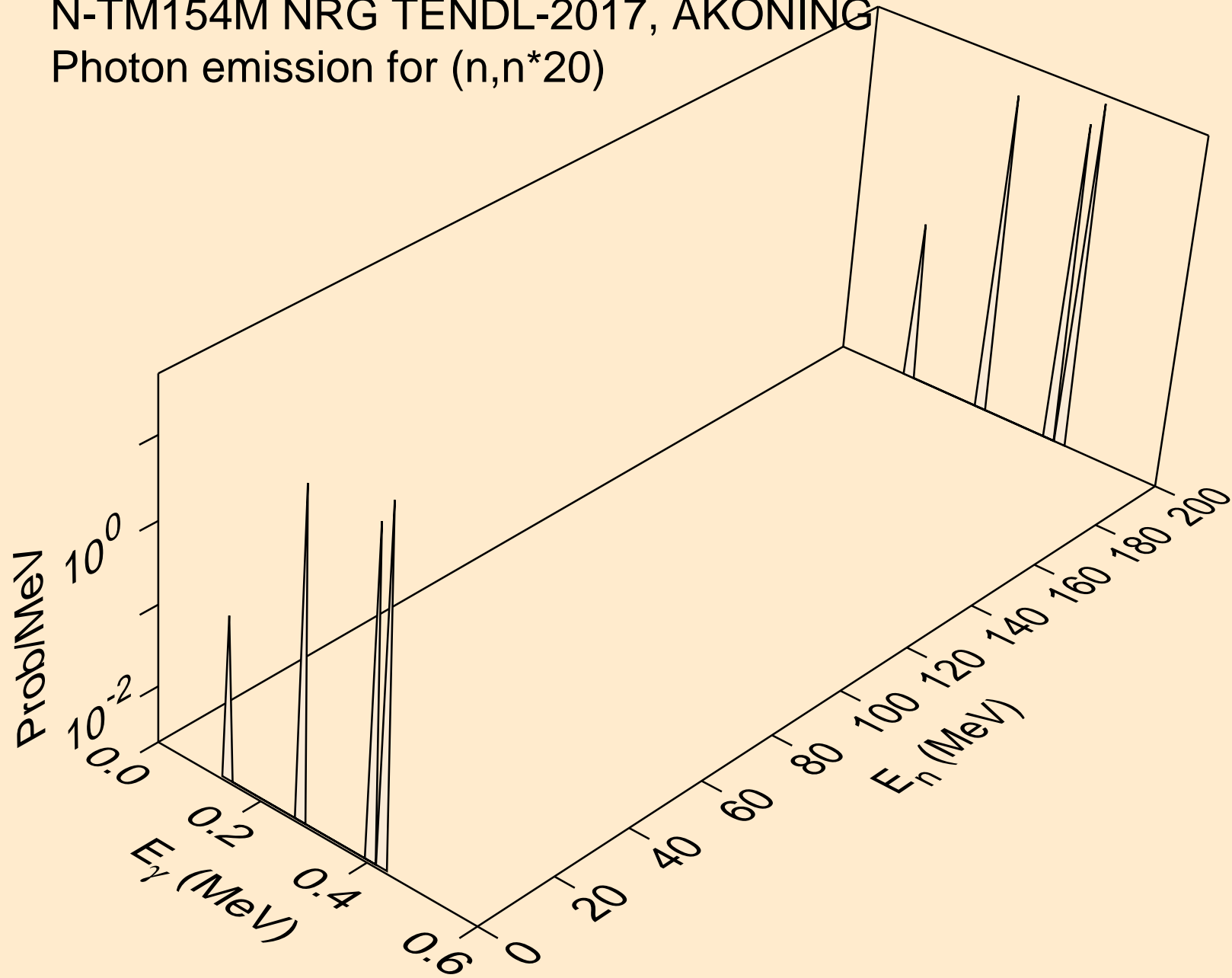
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Photon emission for (n,n\*18)



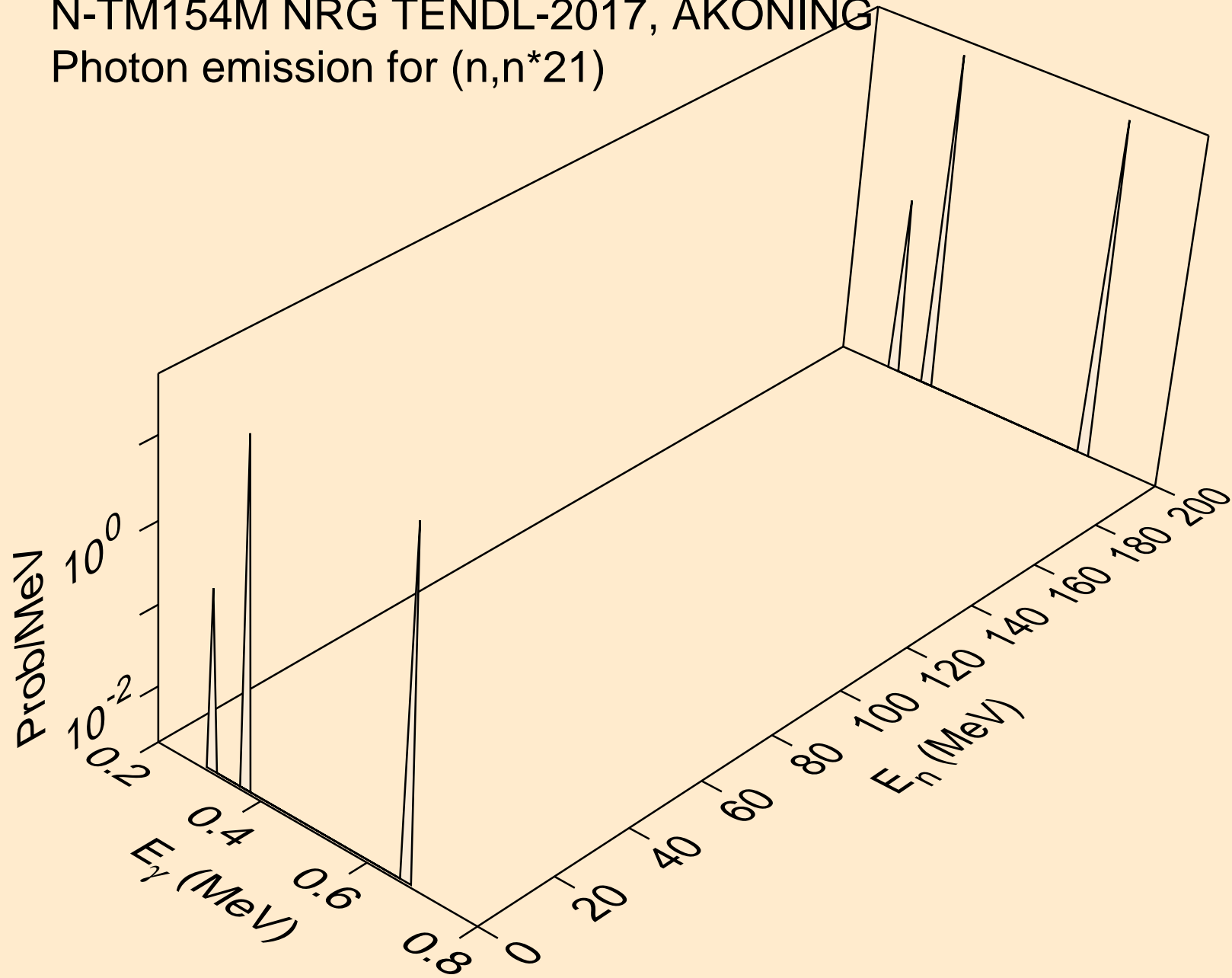
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Photon emission for (n,n\*19)



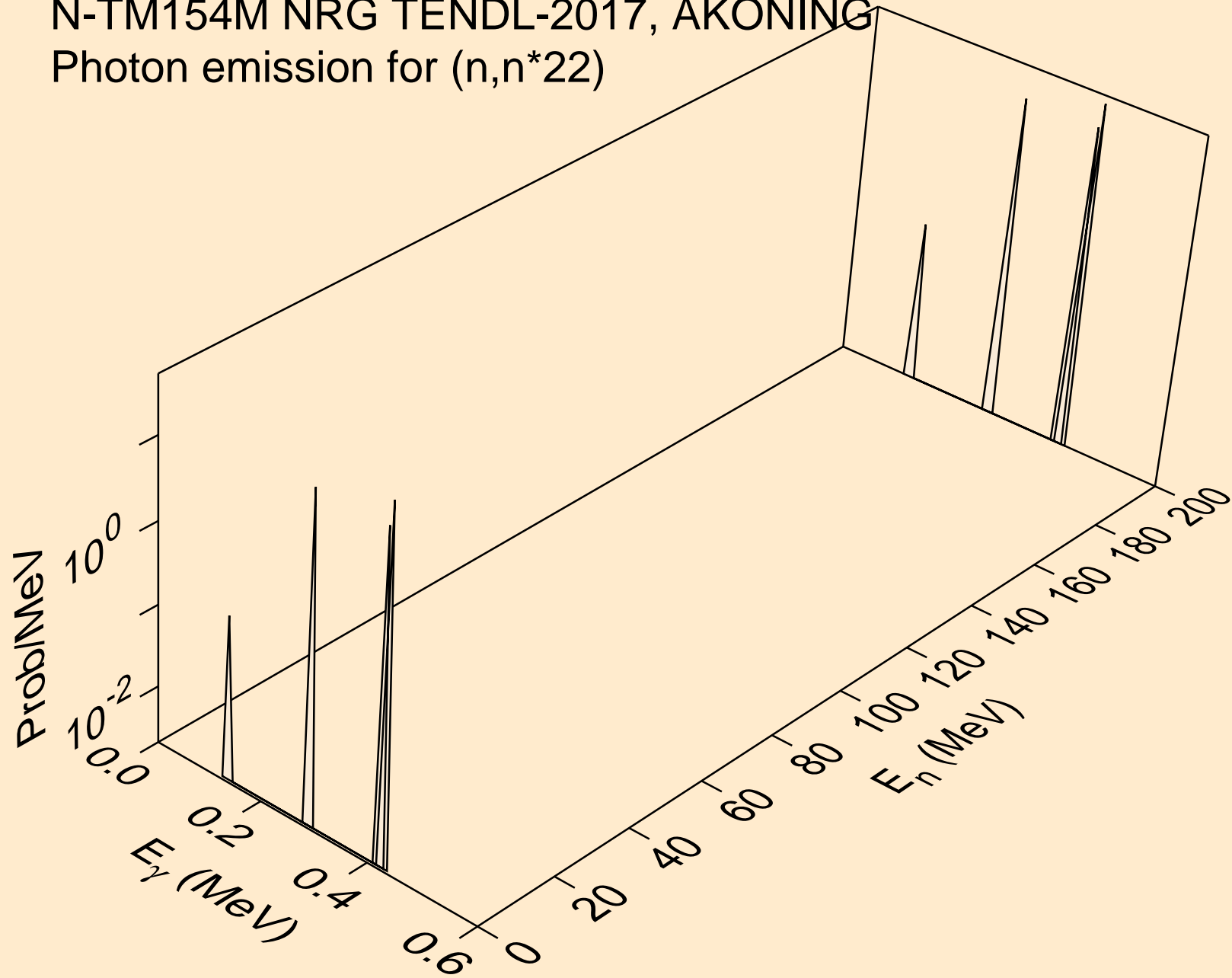
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Photon emission for (n,n\*20)



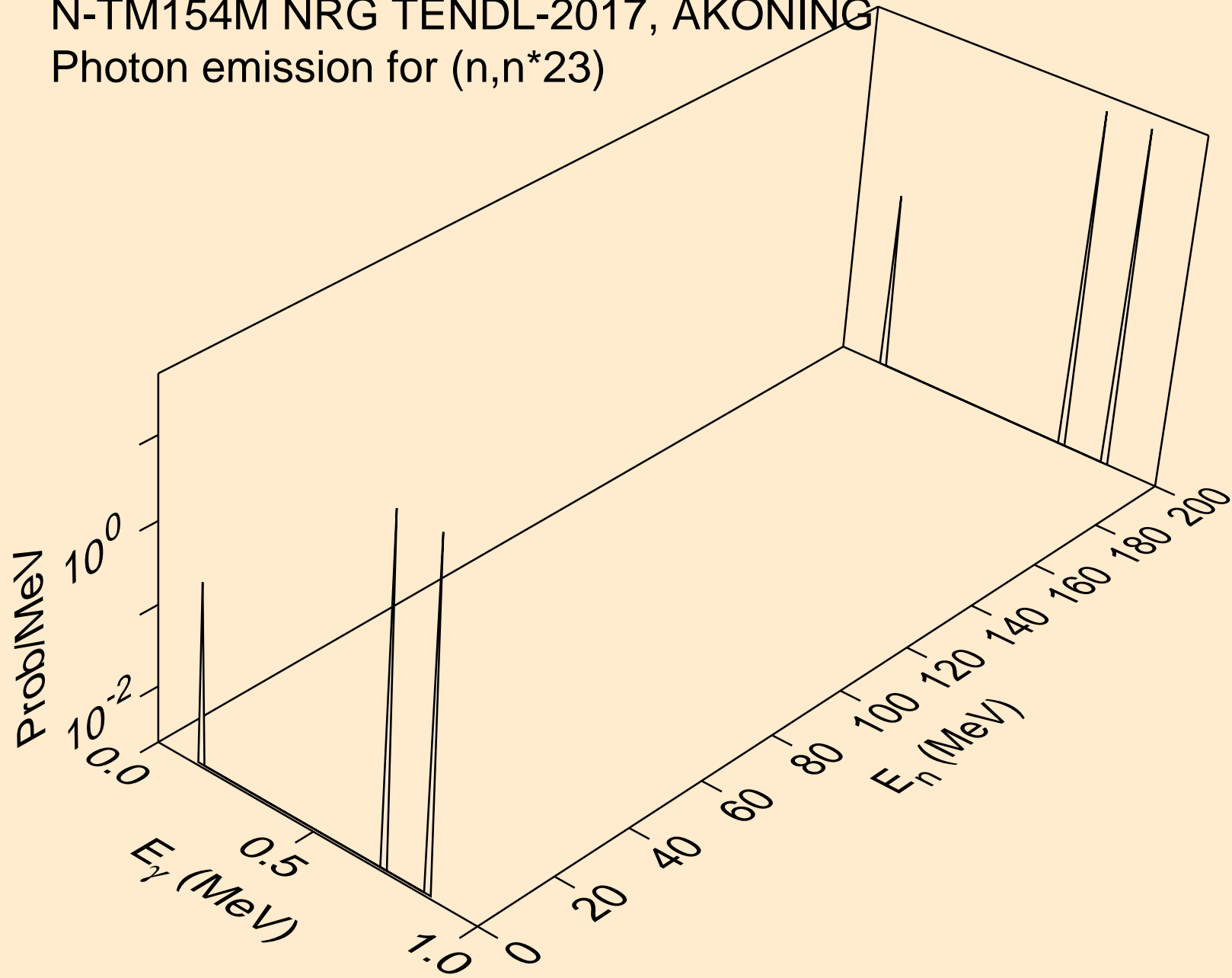
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Photon emission for (n,n\*21)



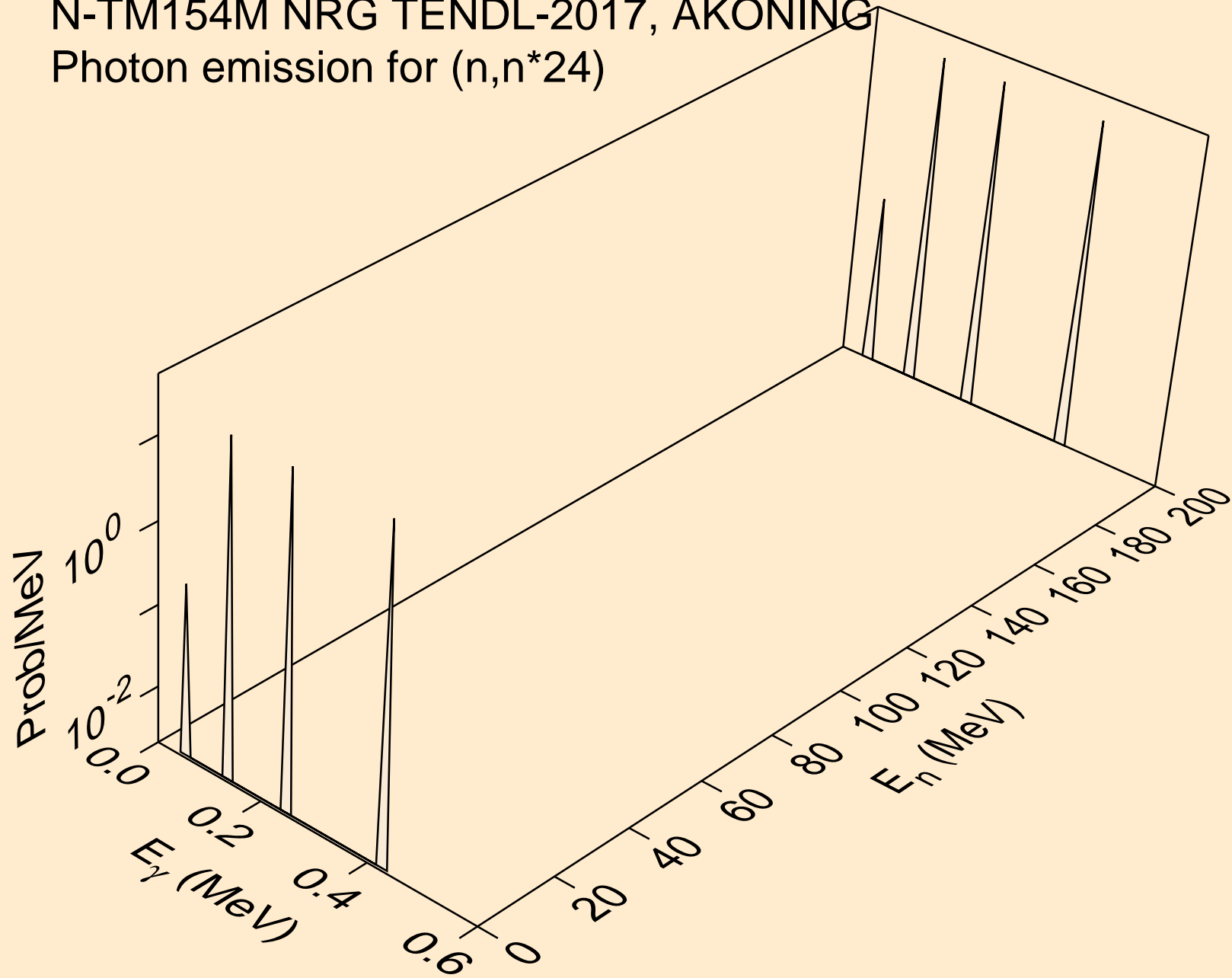
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Photon emission for (n,n\*22)



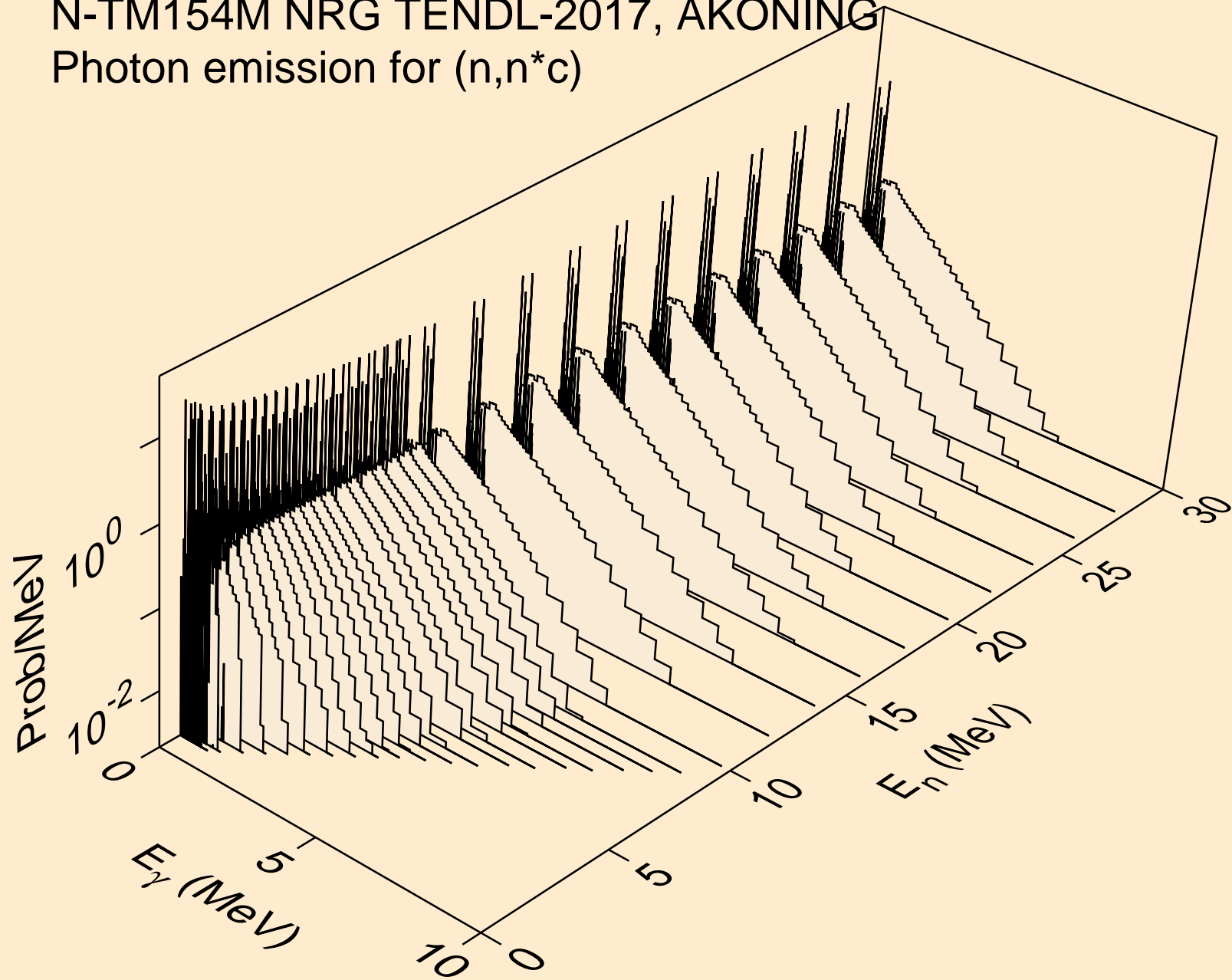
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Photon emission for (n,n\*23)



N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*24)

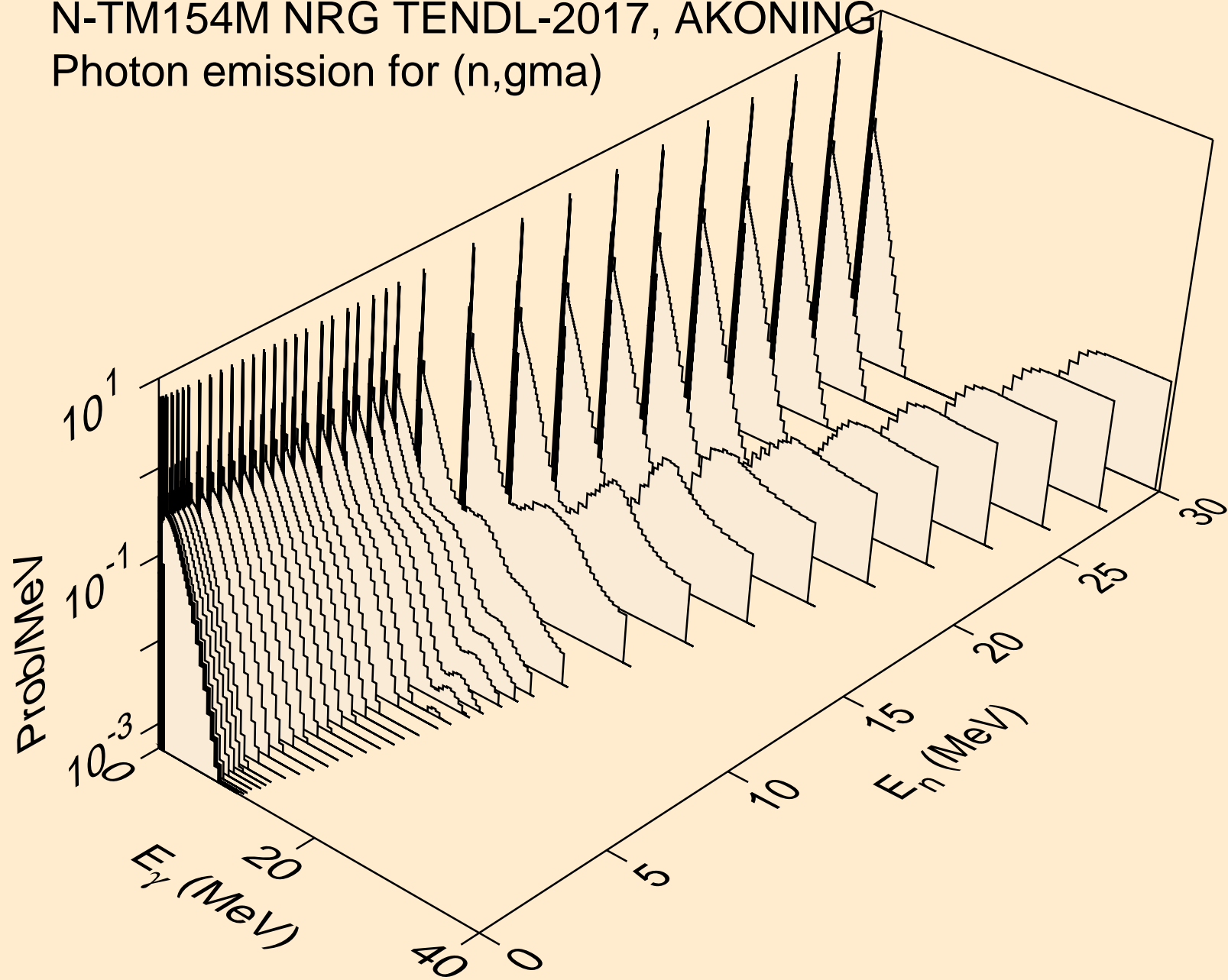


N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,n\*c)

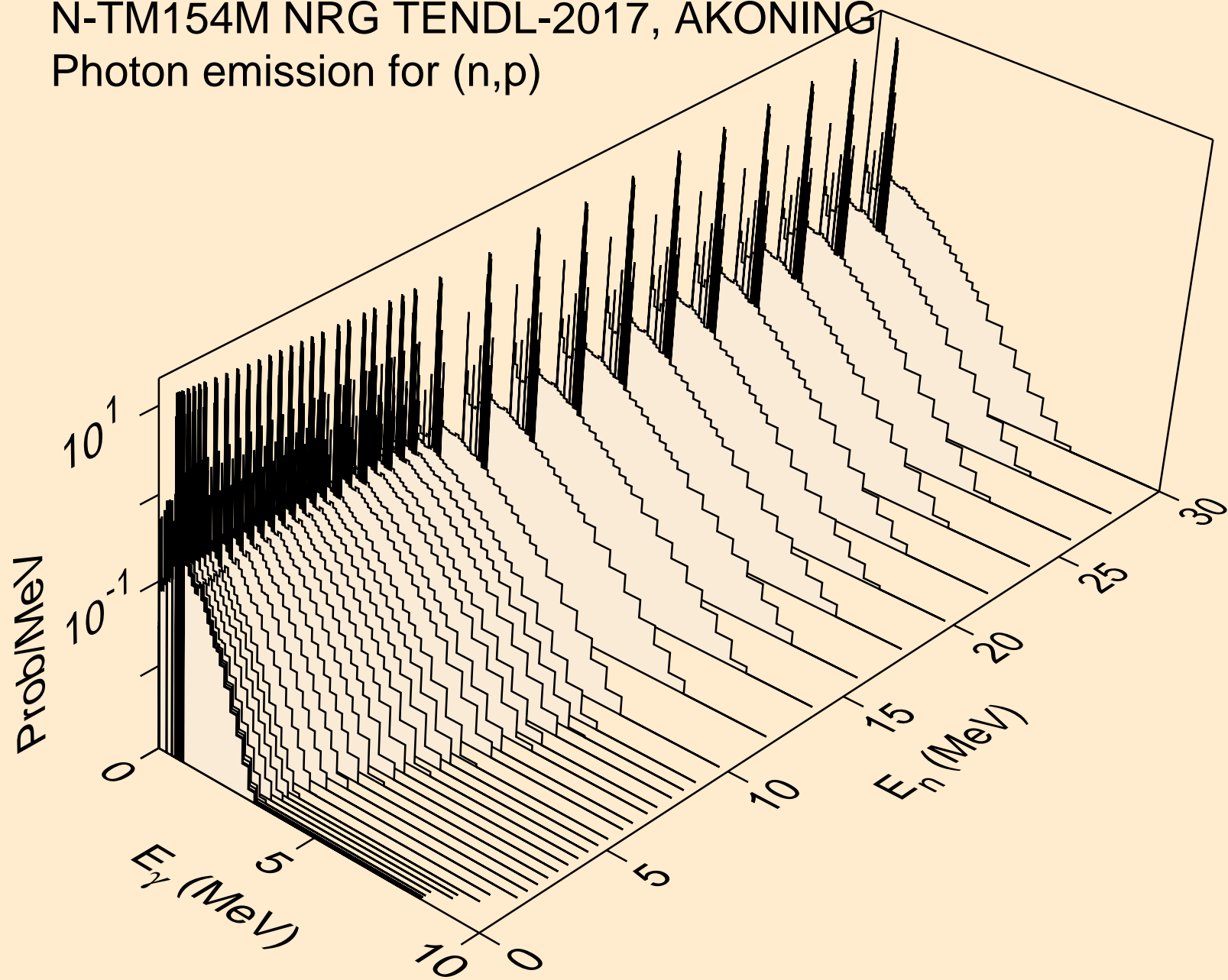




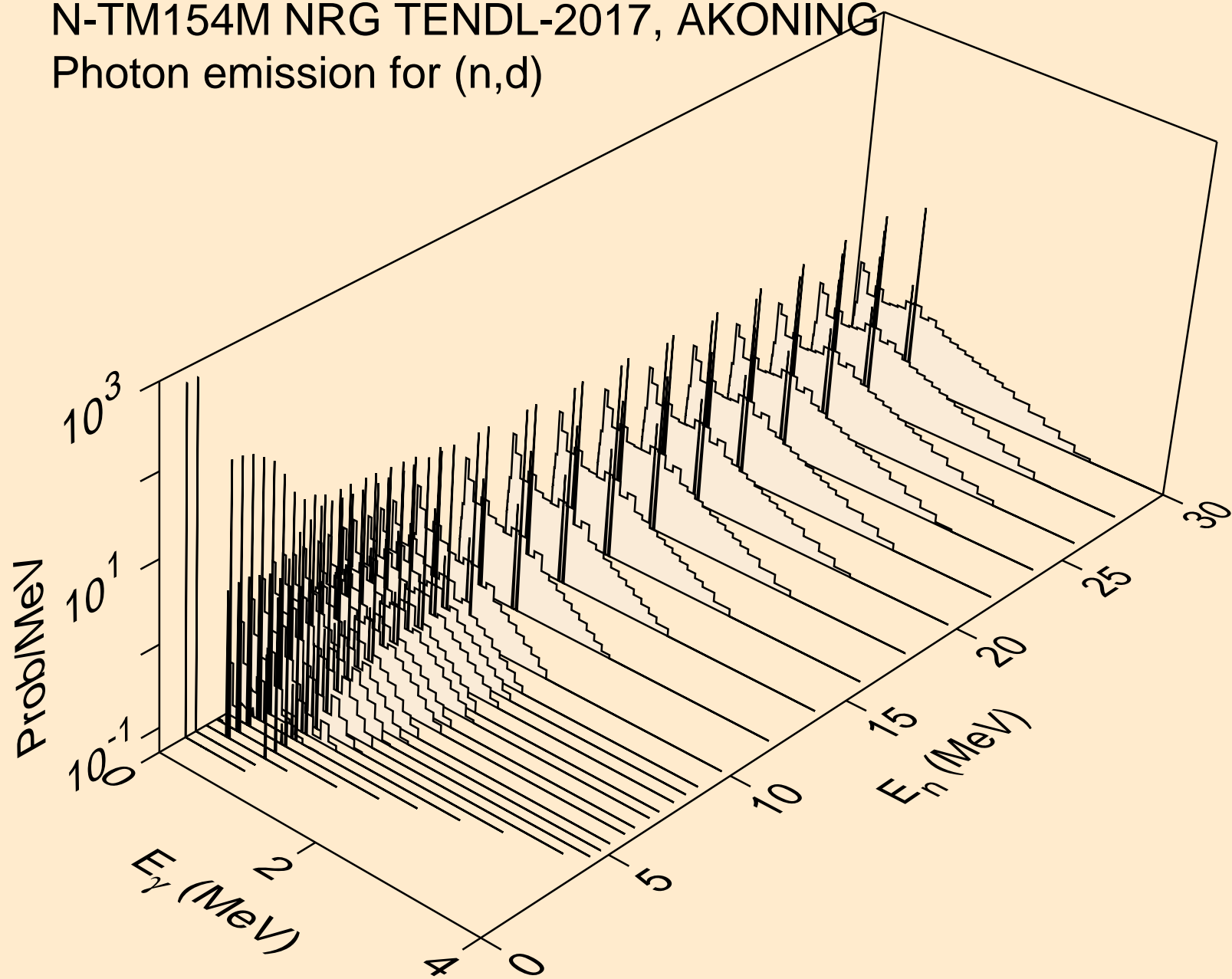
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Photon emission for (n,gma)



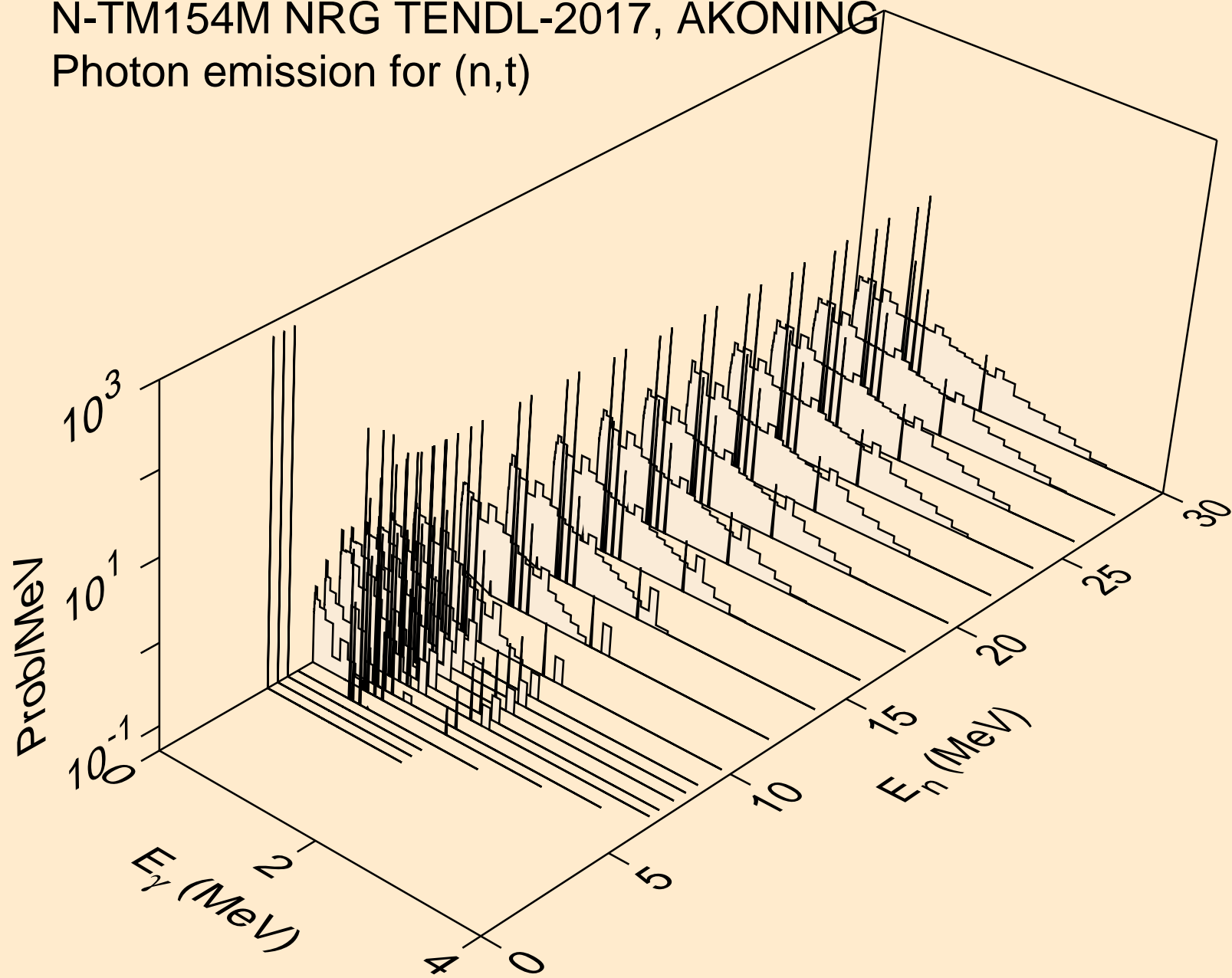
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Photon emission for (n,p)



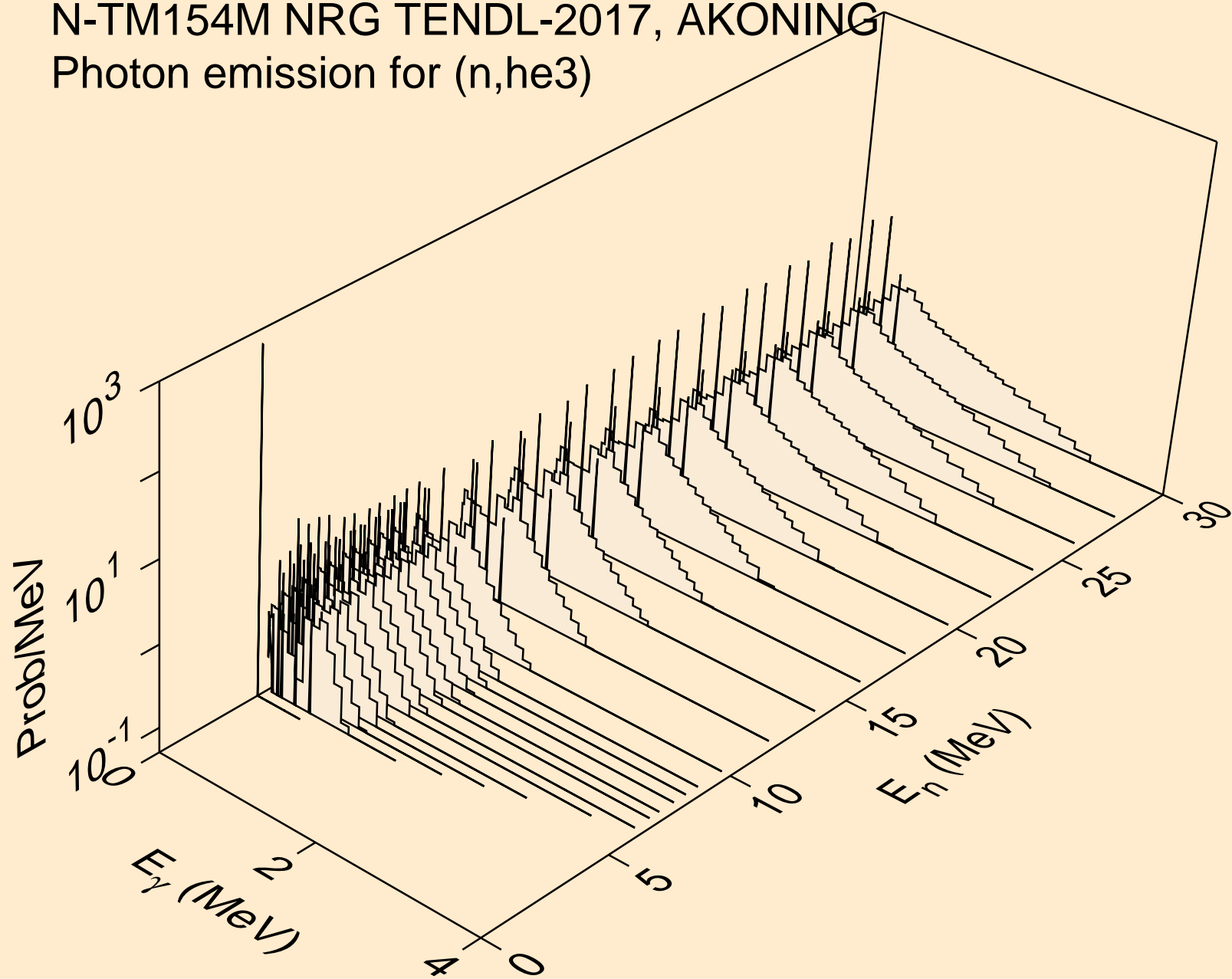
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Photon emission for (n,d)



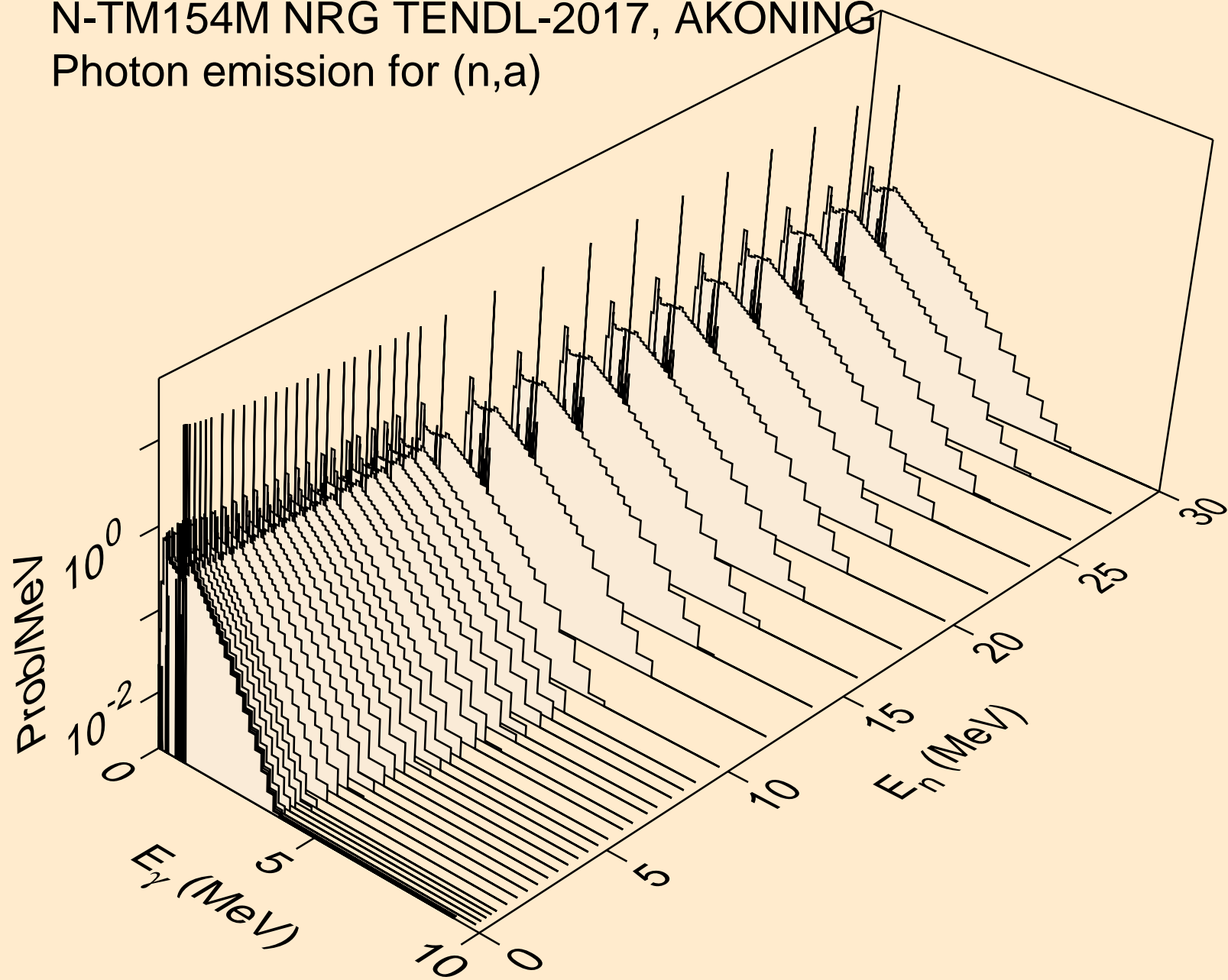
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Photon emission for (n,t)



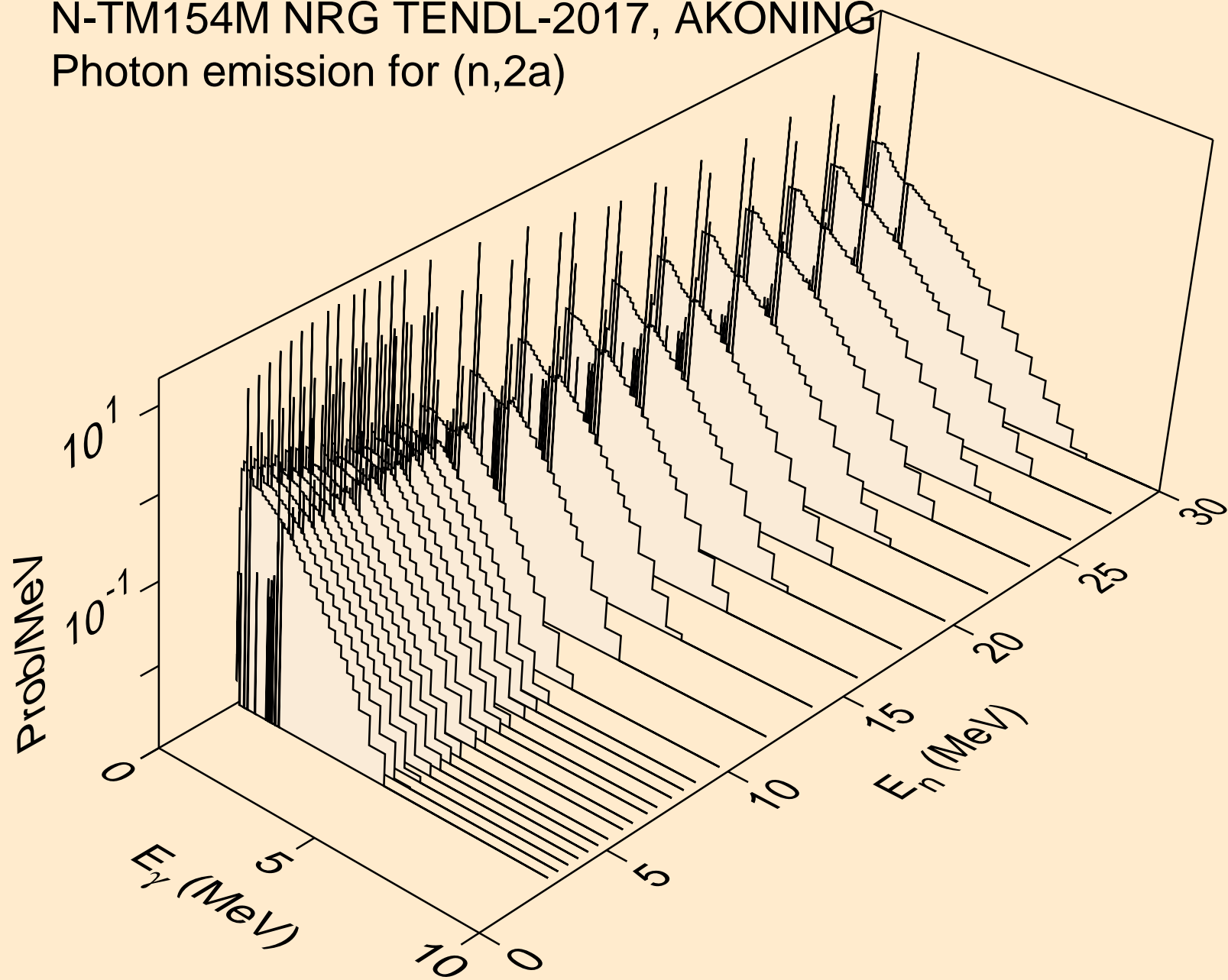
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,he3)



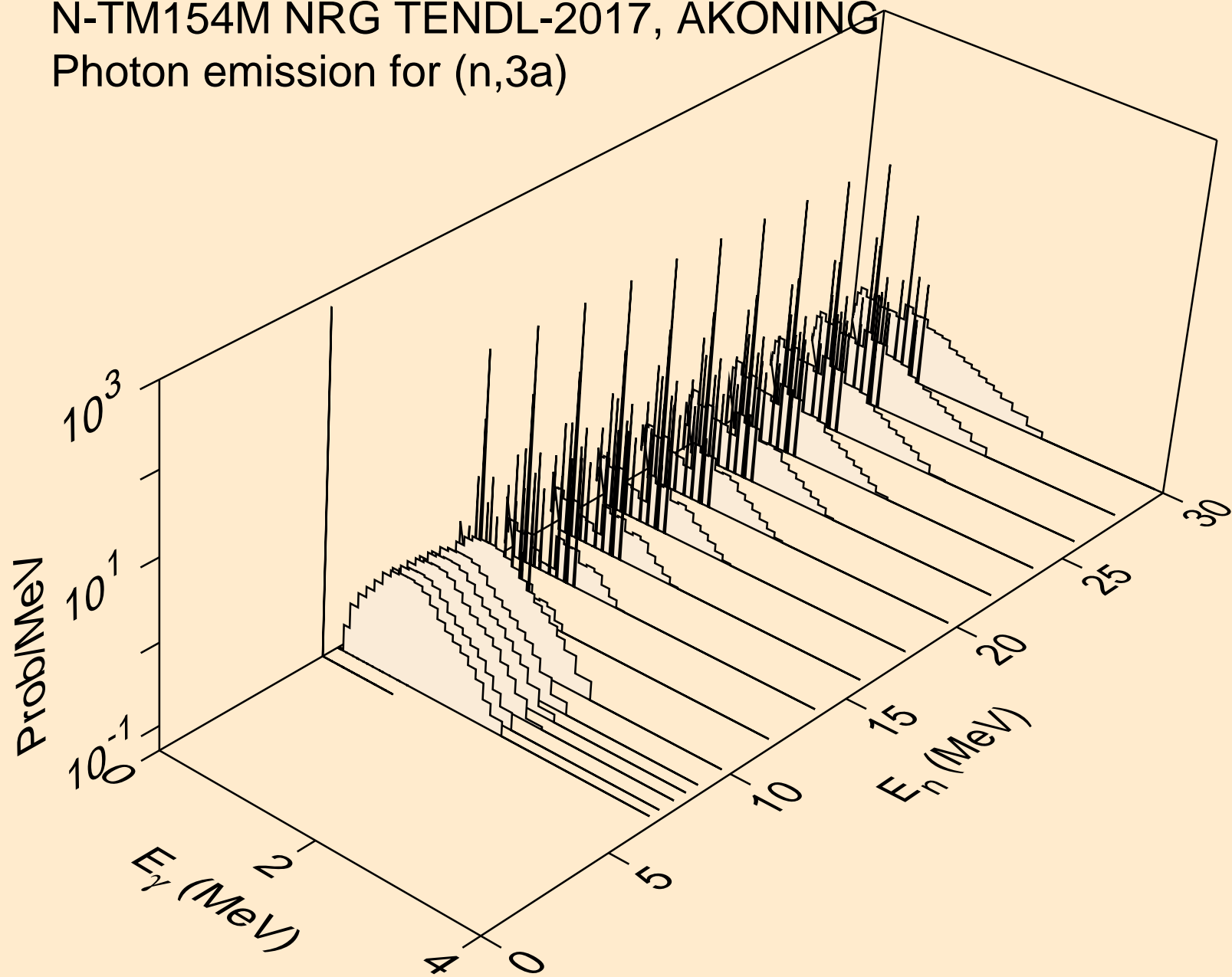
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,a)



N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,2a)

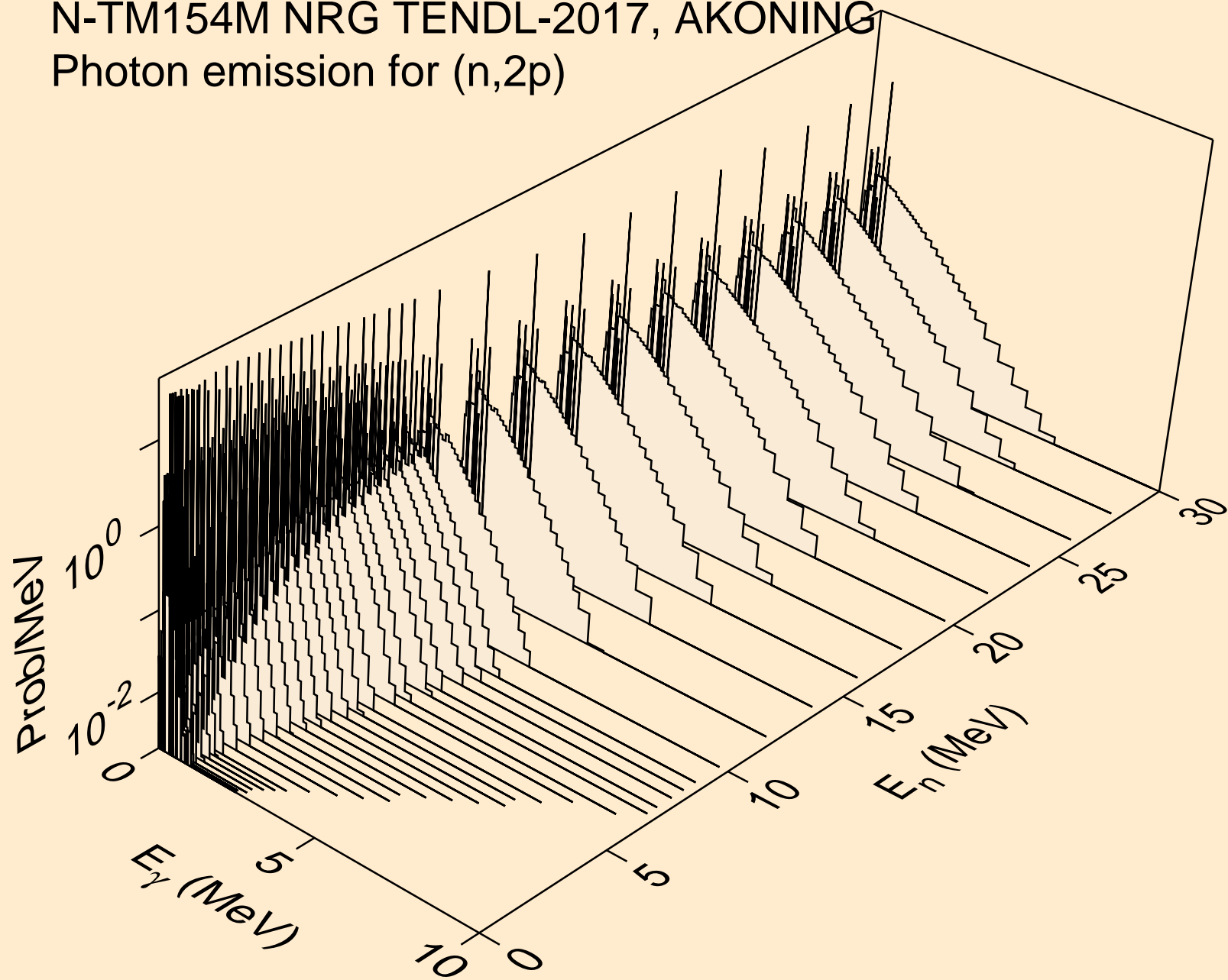


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Photon emission for (n,3a)

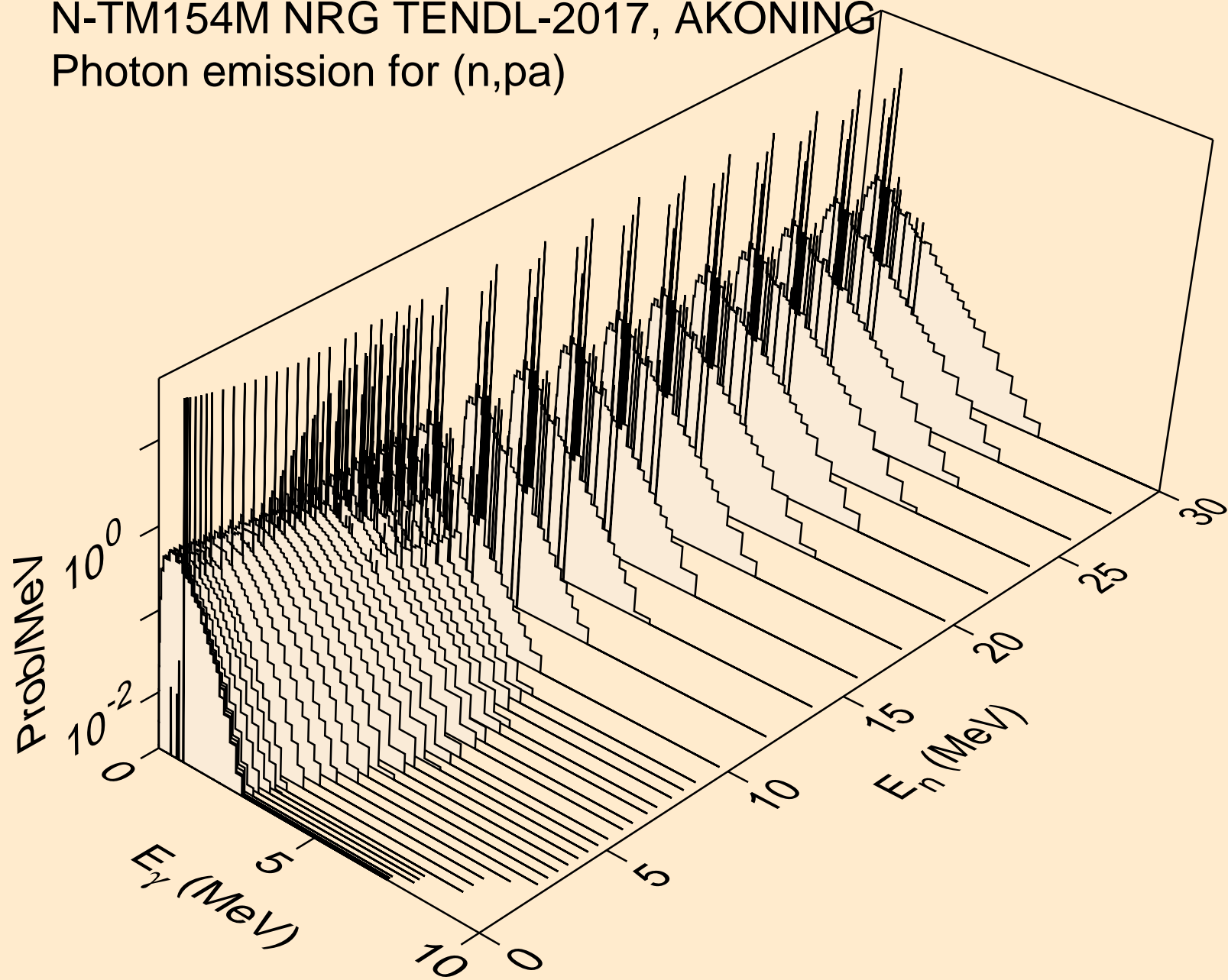




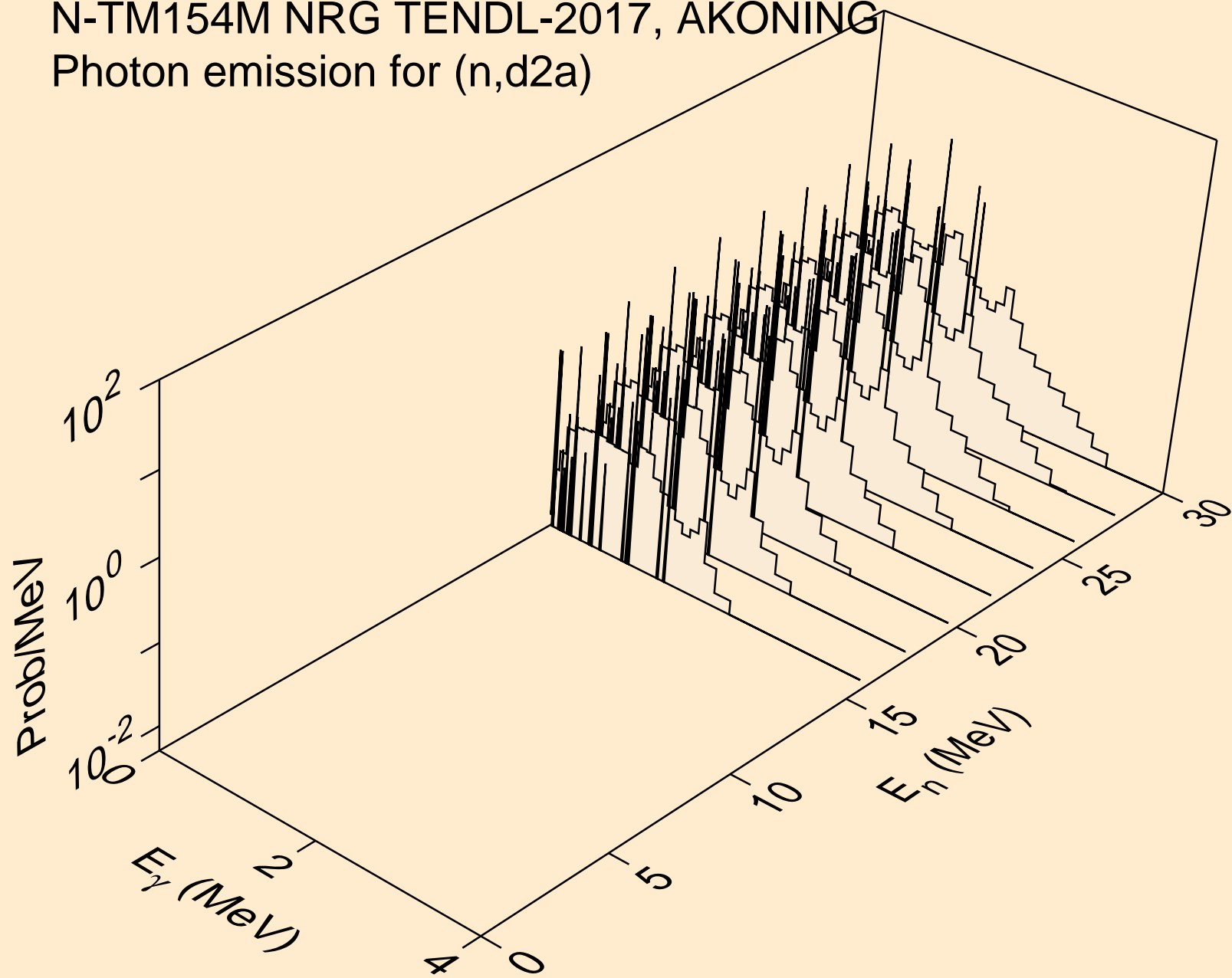
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Photon emission for (n,2p)



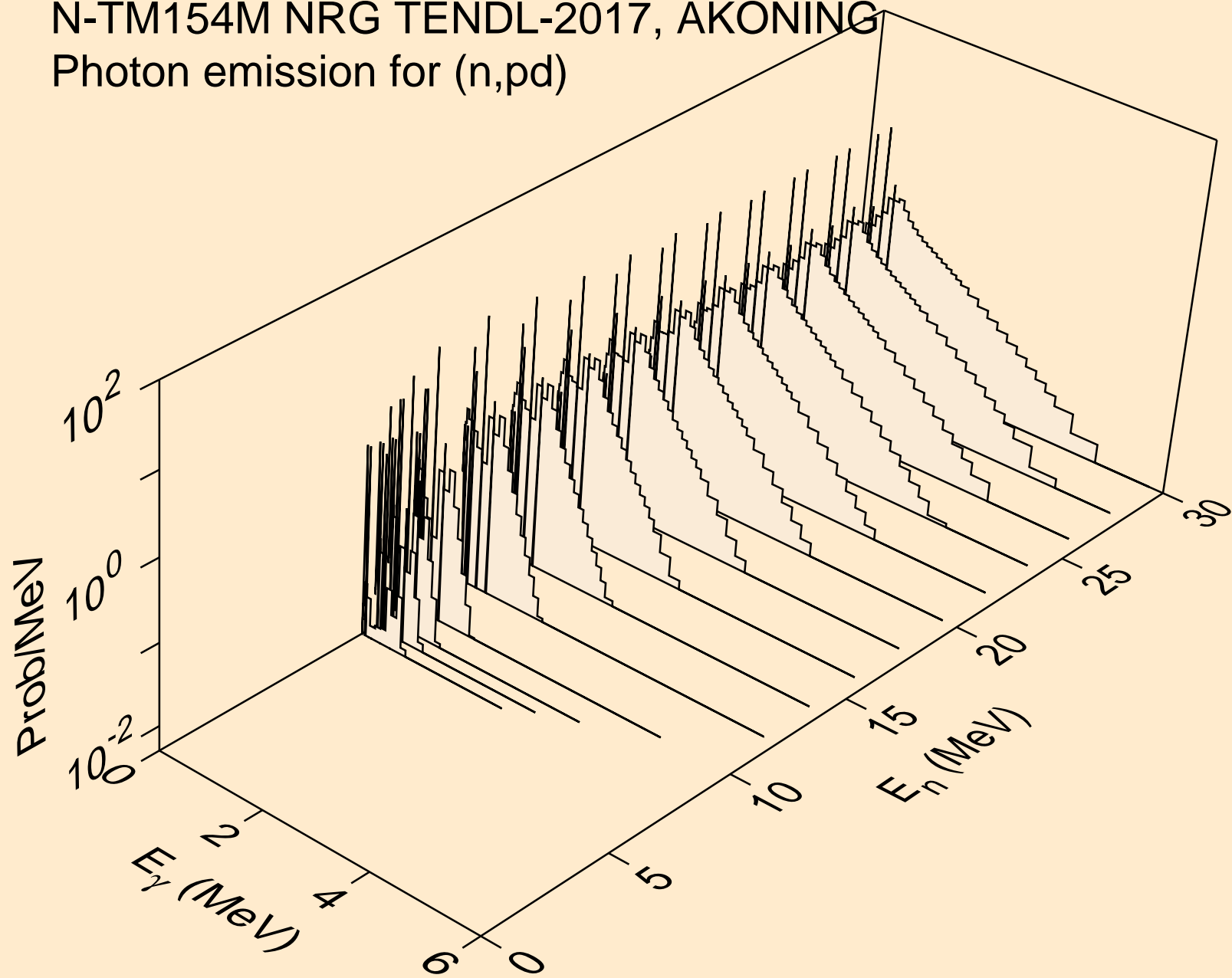
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Photon emission for (n,pa)



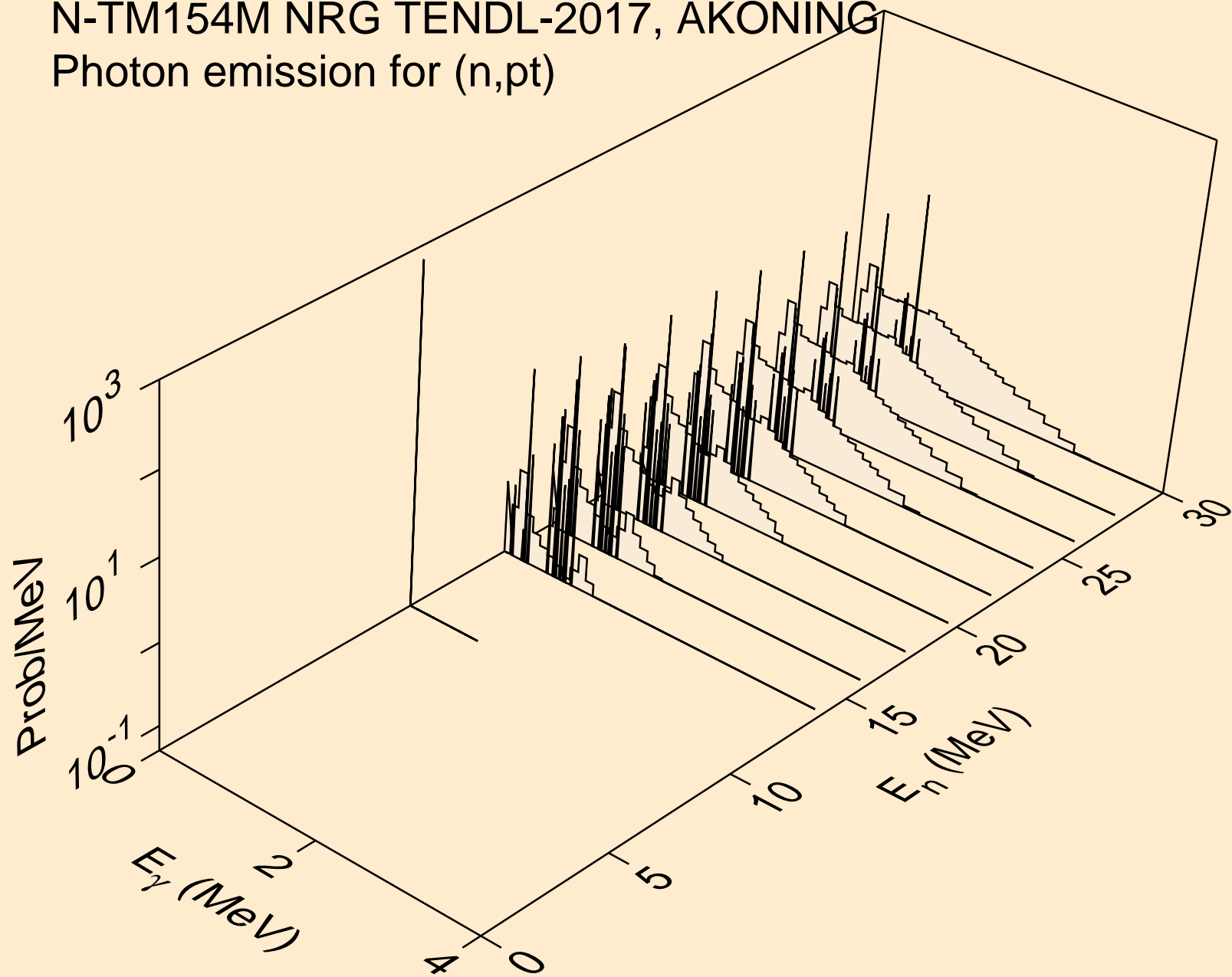
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Photon emission for (n,d2a)



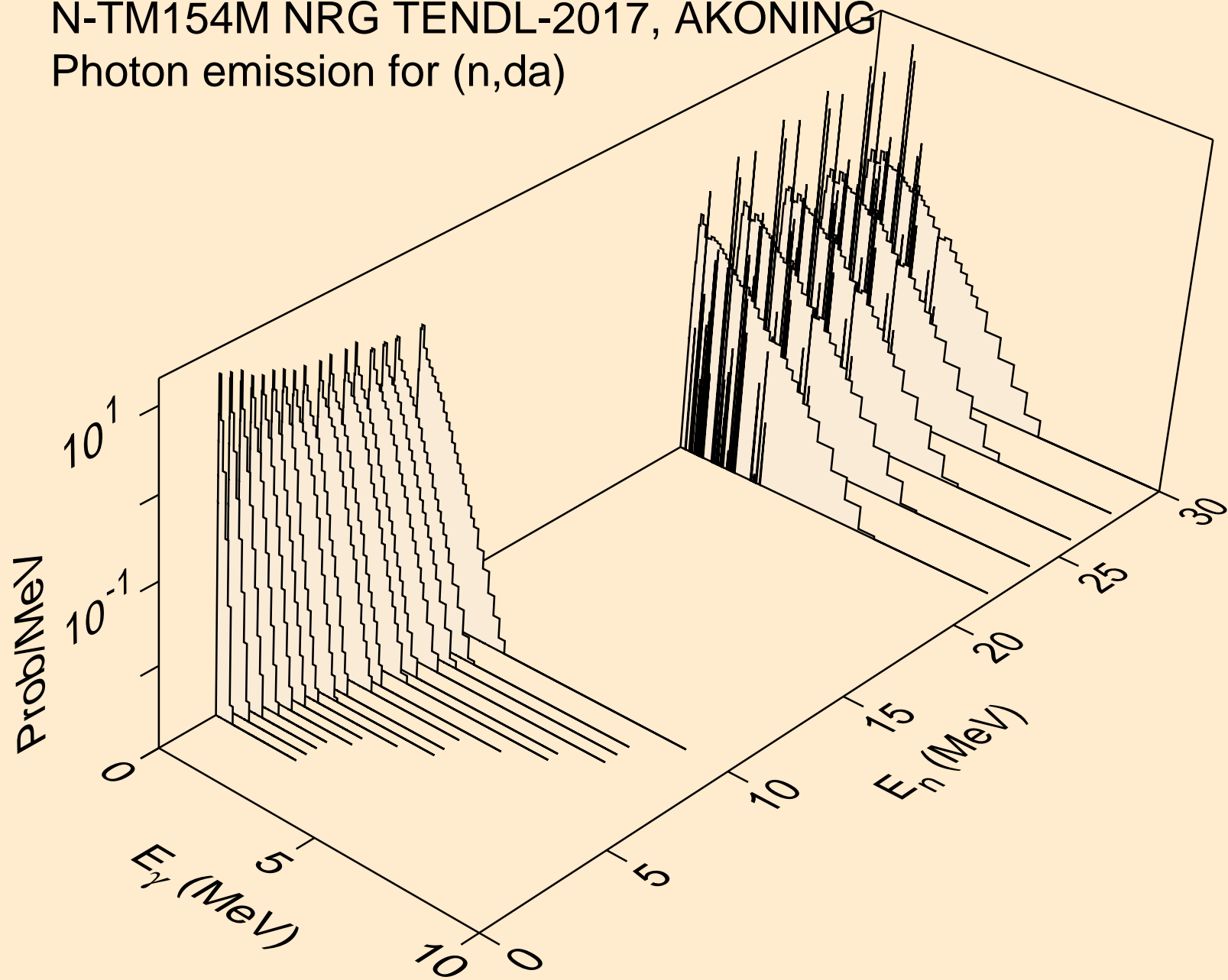
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,pd)



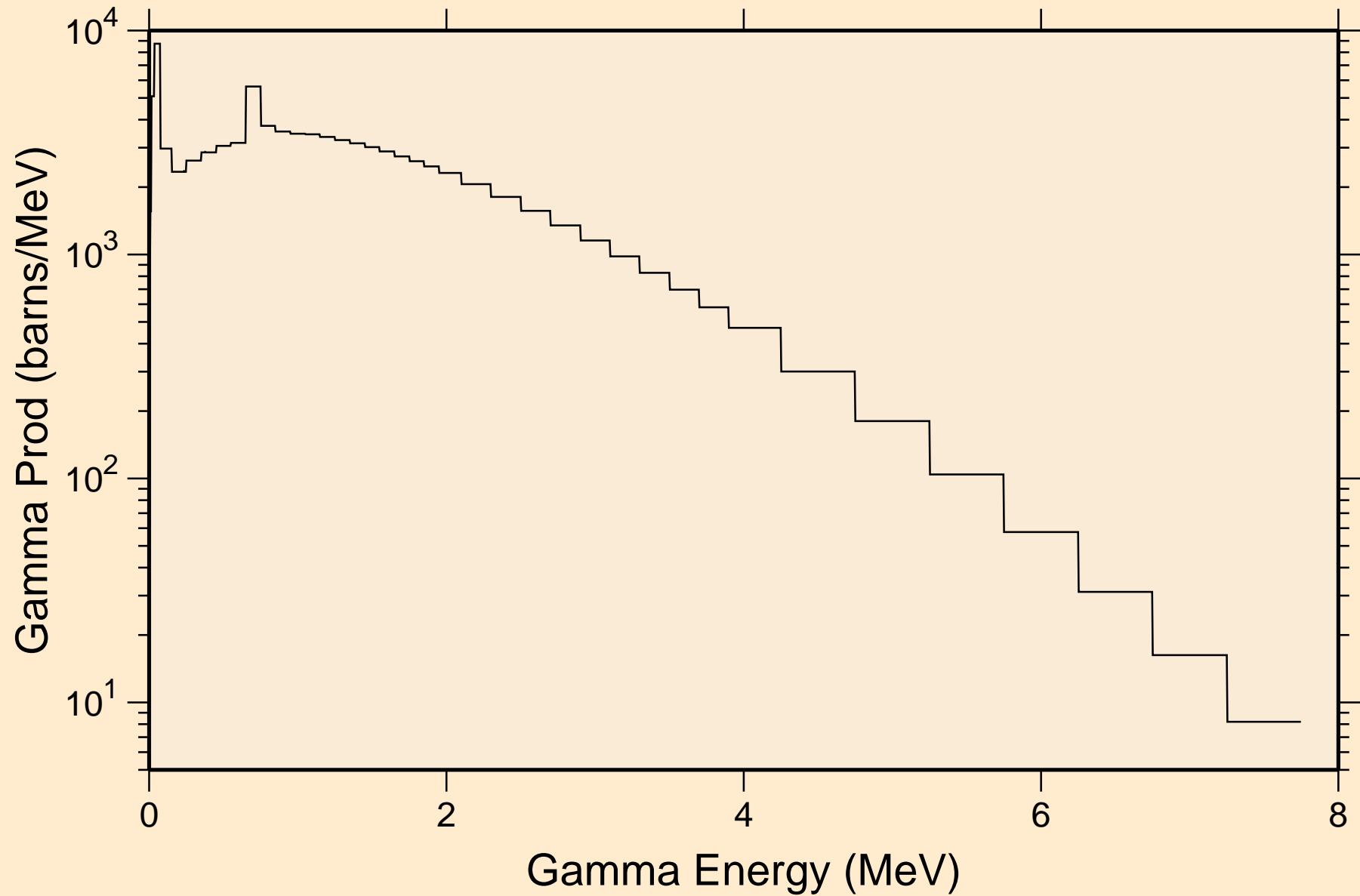
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,pt)



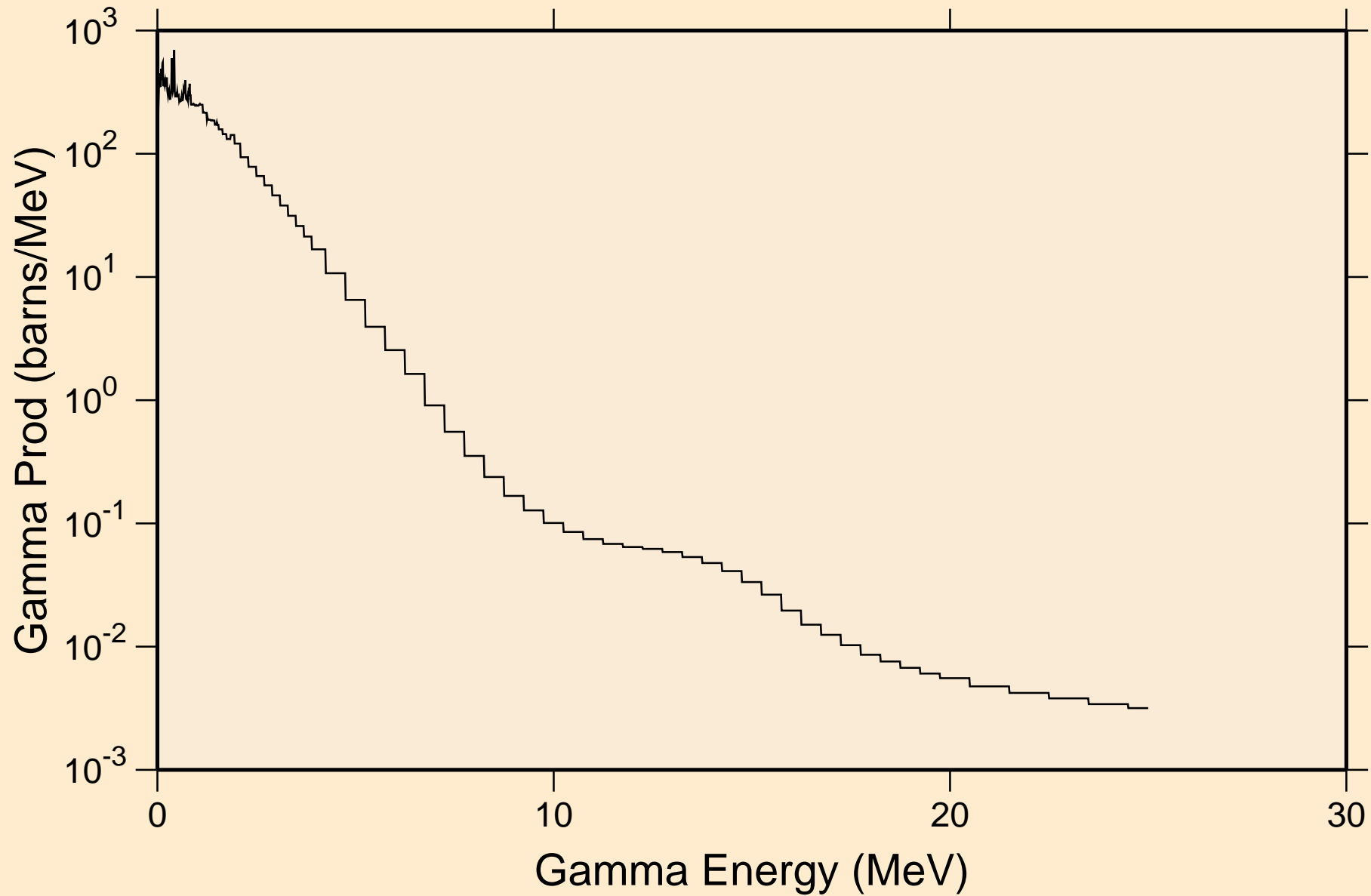
N-TM154M NRG TENDL-2017, AKONING  
Photon emission for (n,da)



N-TM154M NRG TENDL-2017, AKONING  
thermal capture photon spectrum



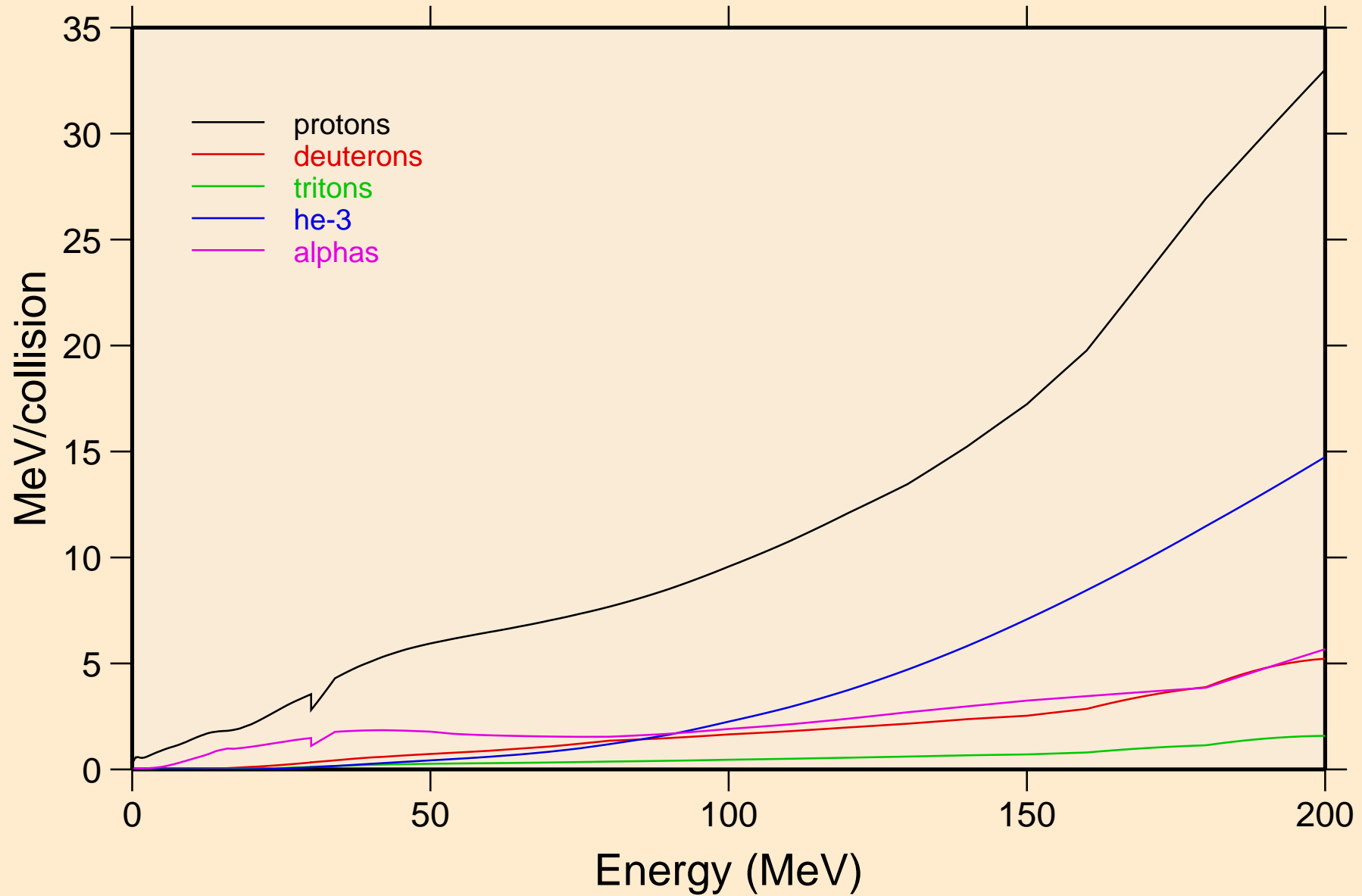
N-TM154M NRG TENDL-2017, AKONING  
14 MeV photon spectrum





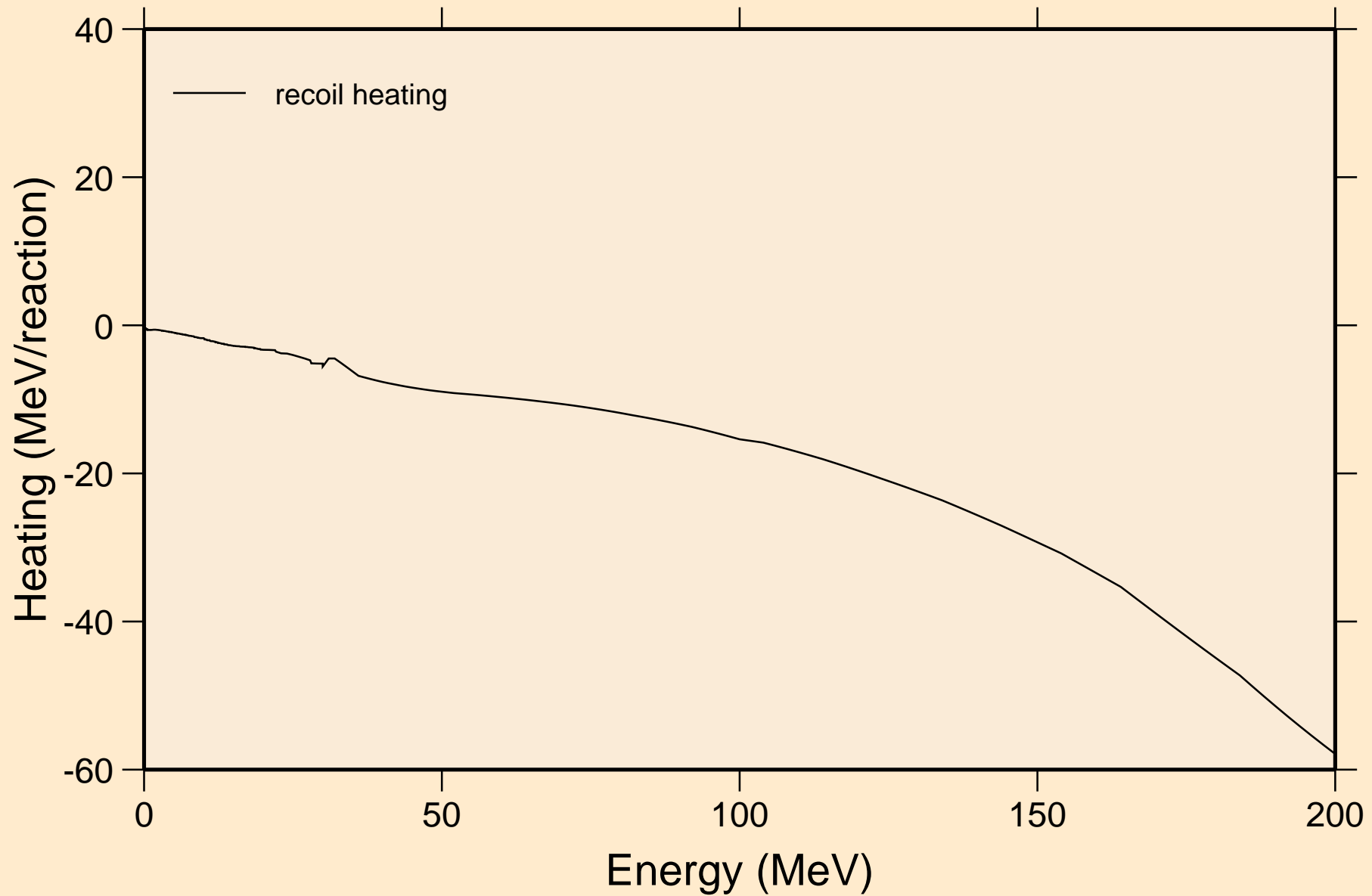
# N-TM154M NRG TENDL-2017, AKONING

## Particle heating contributions

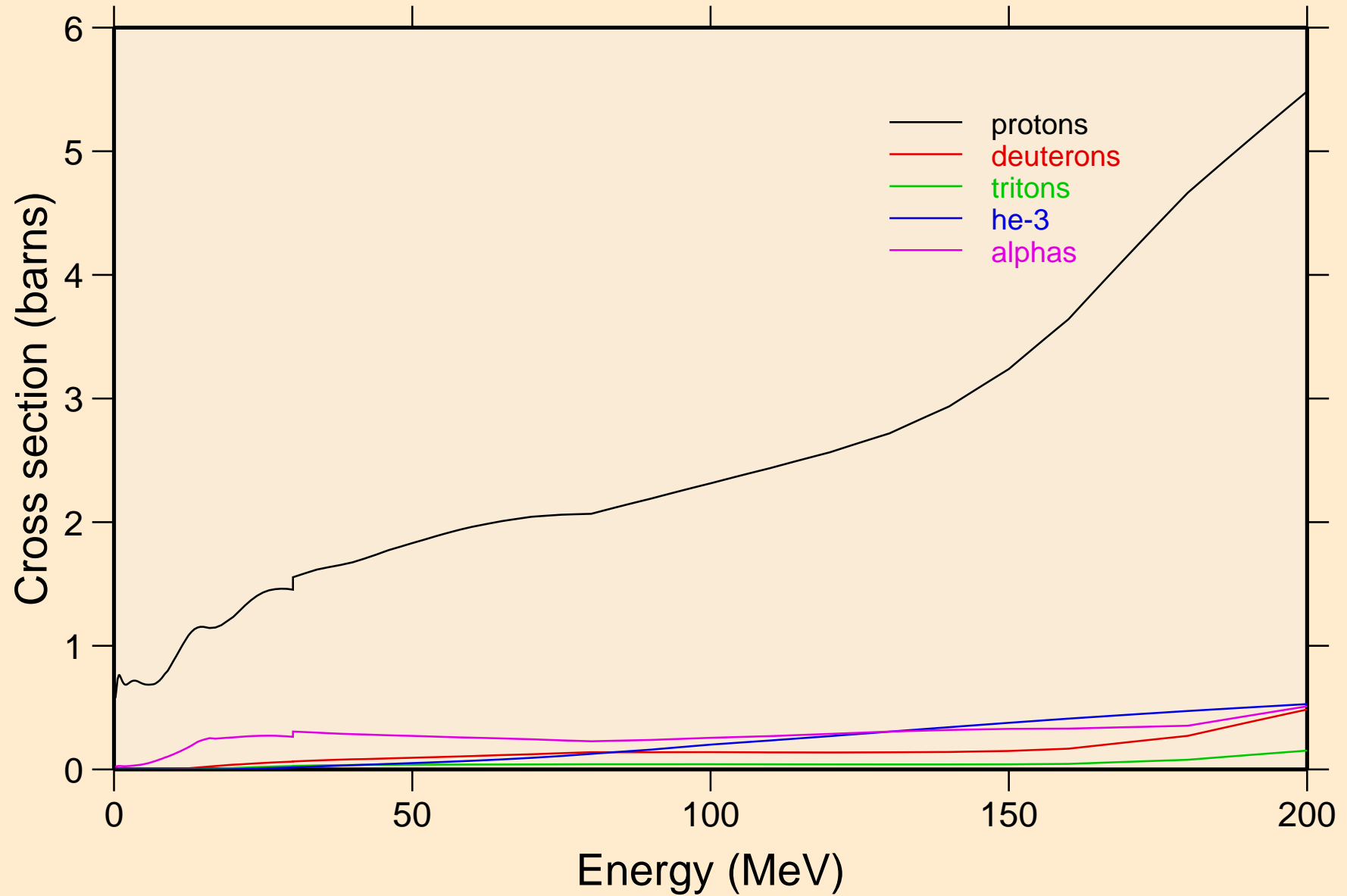


# N-TM154M NRG TENDL-2017, AKONING

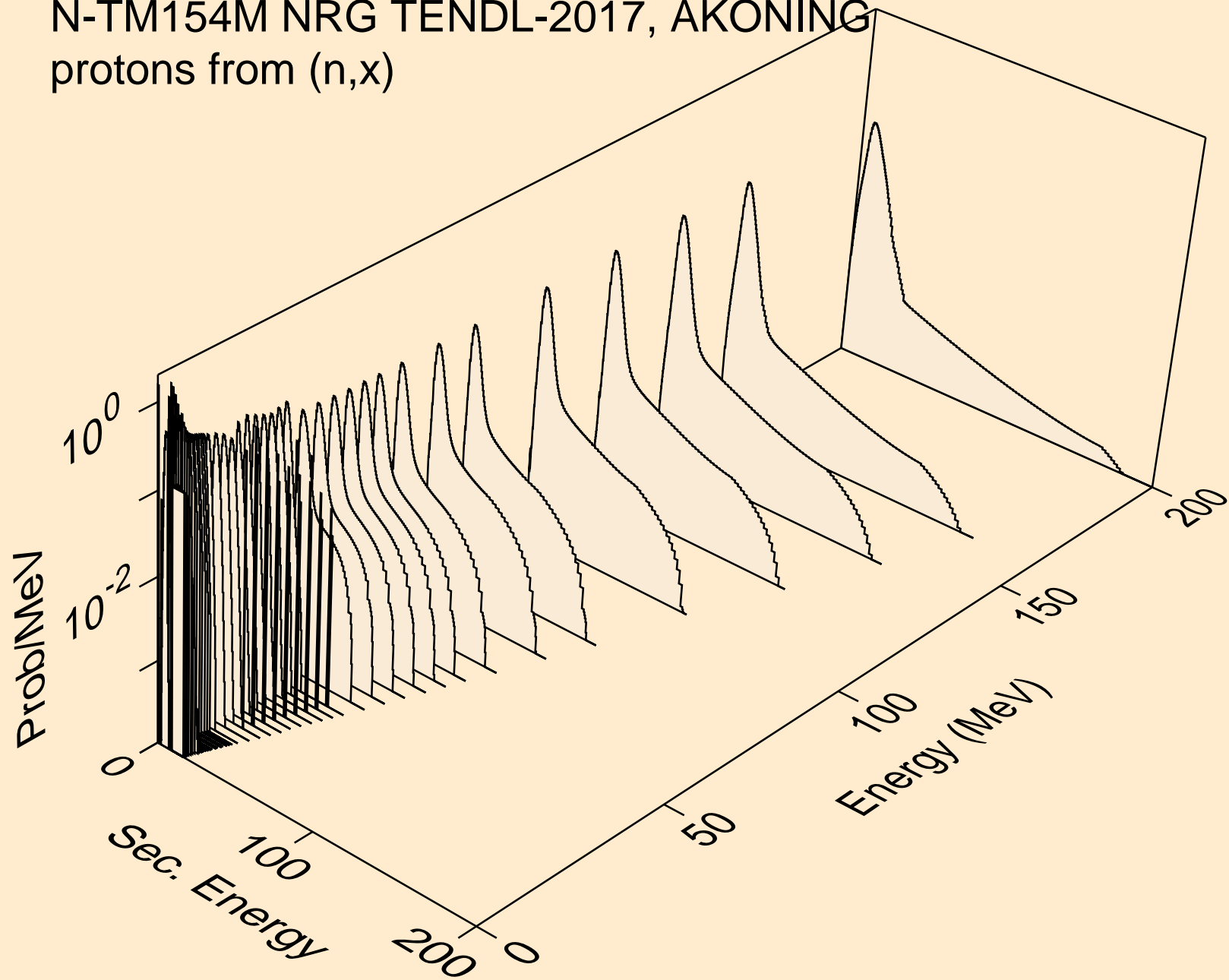
## Recoil Heating



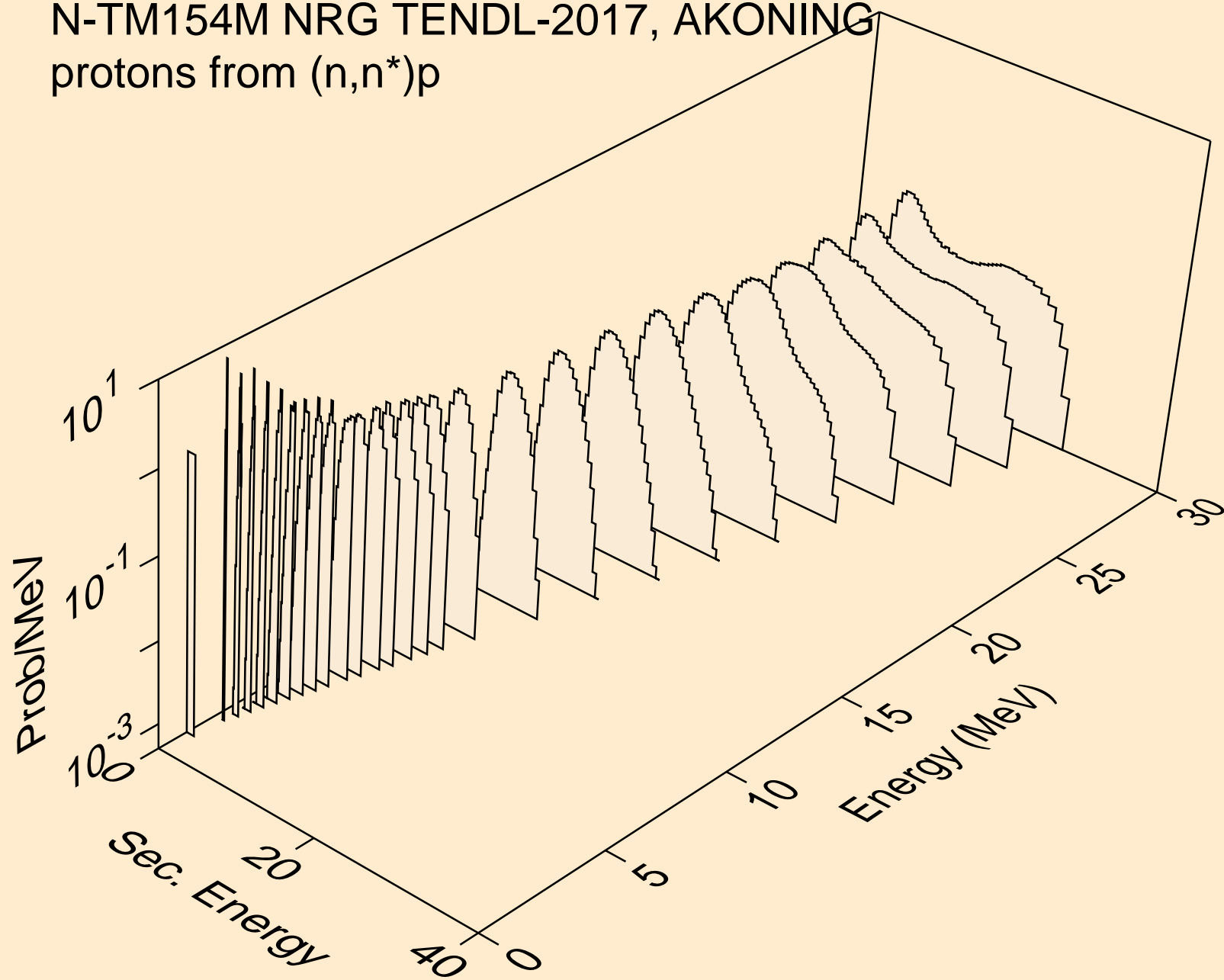
N-TM154M NRG TENDL-2017, AKONING  
Particle production cross sections



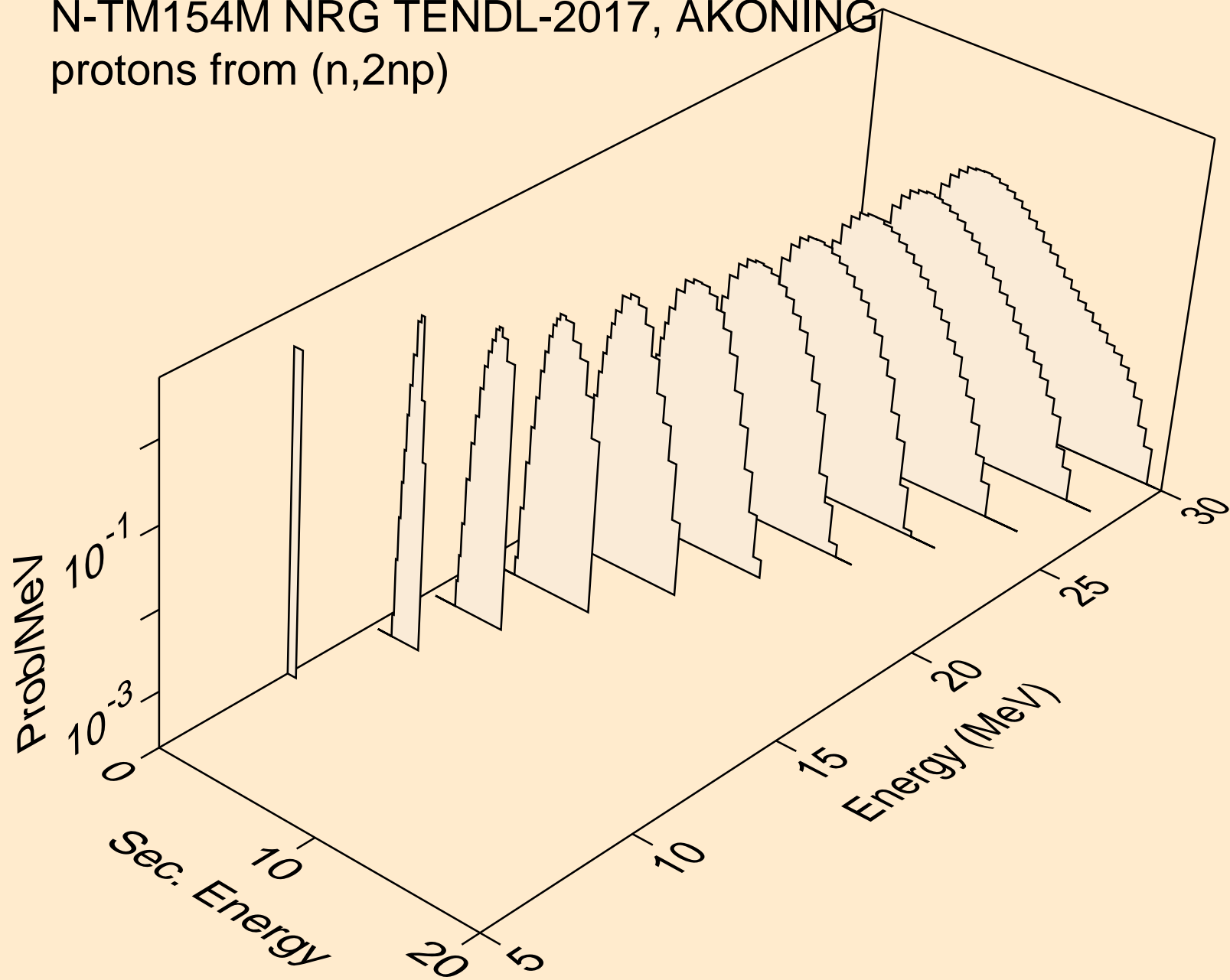
N-TM154M NRG TENDL-2017, AKONING  
protons from (n,x)



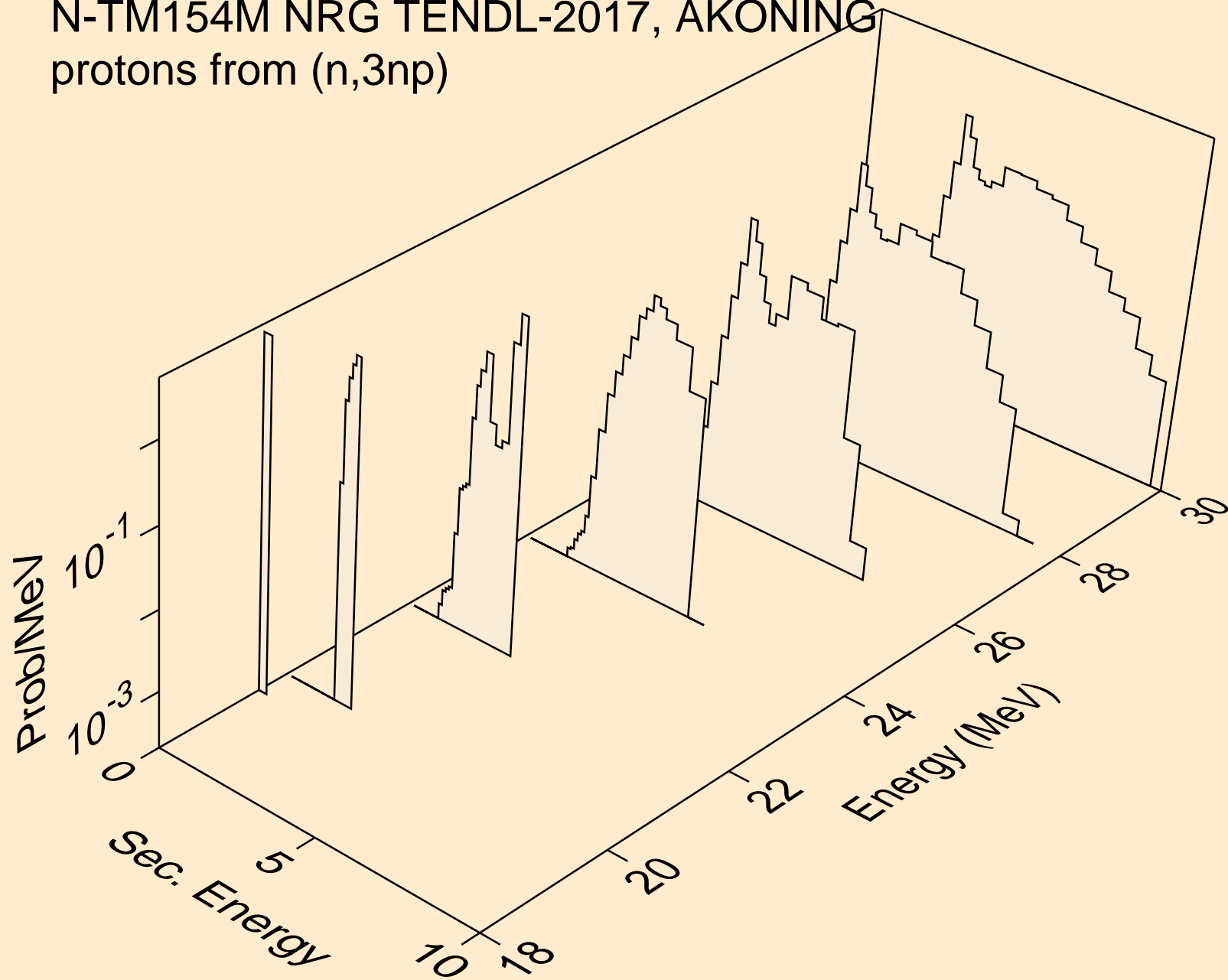
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protons from (n,n\*)p



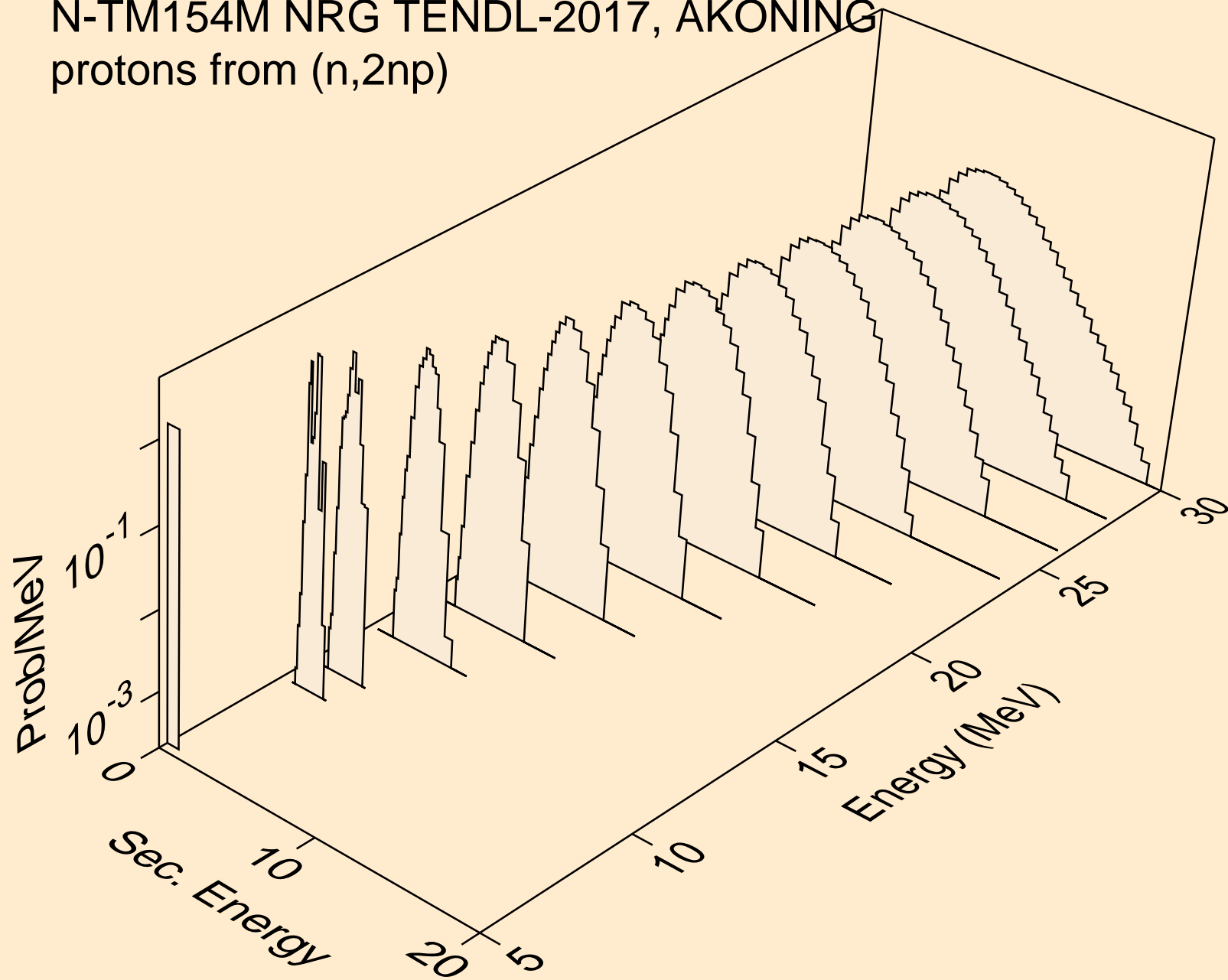
N-TM154M NRG TENDL-2017, AKONING  
protons from (n,2np)



N-TM154M NRG TENDL-2017, AKONING  
protons from (n,3np)

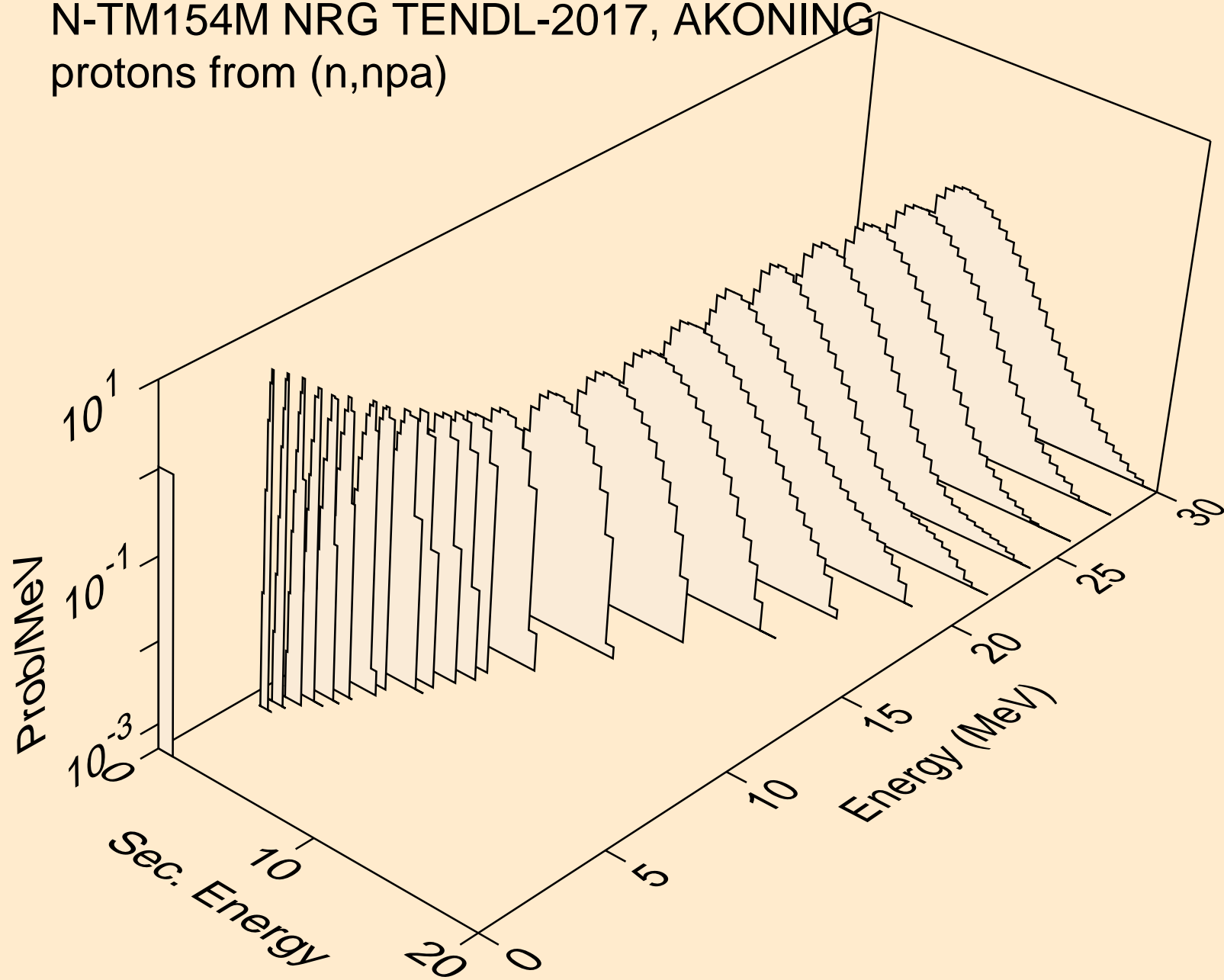


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protons from (n,2np)

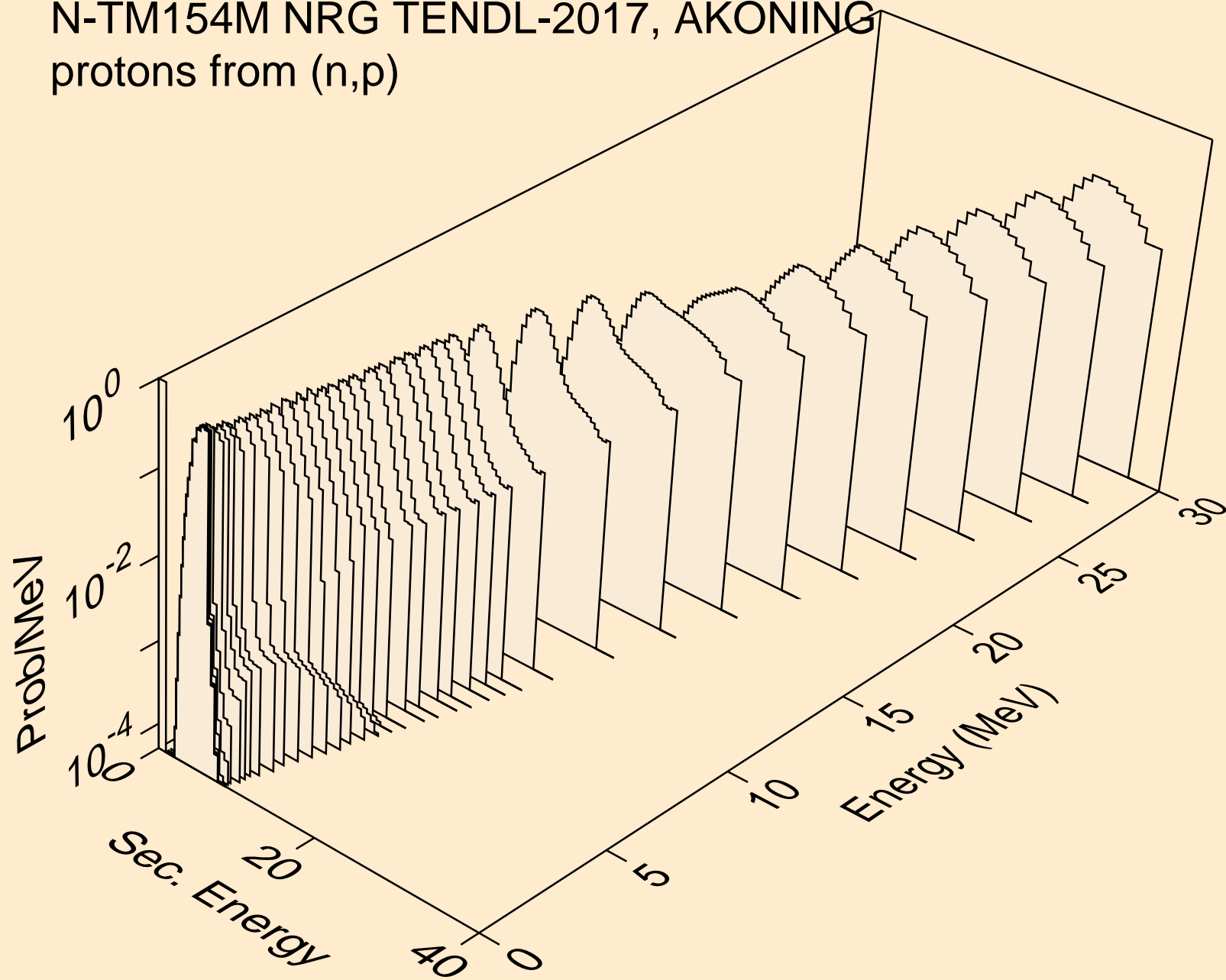




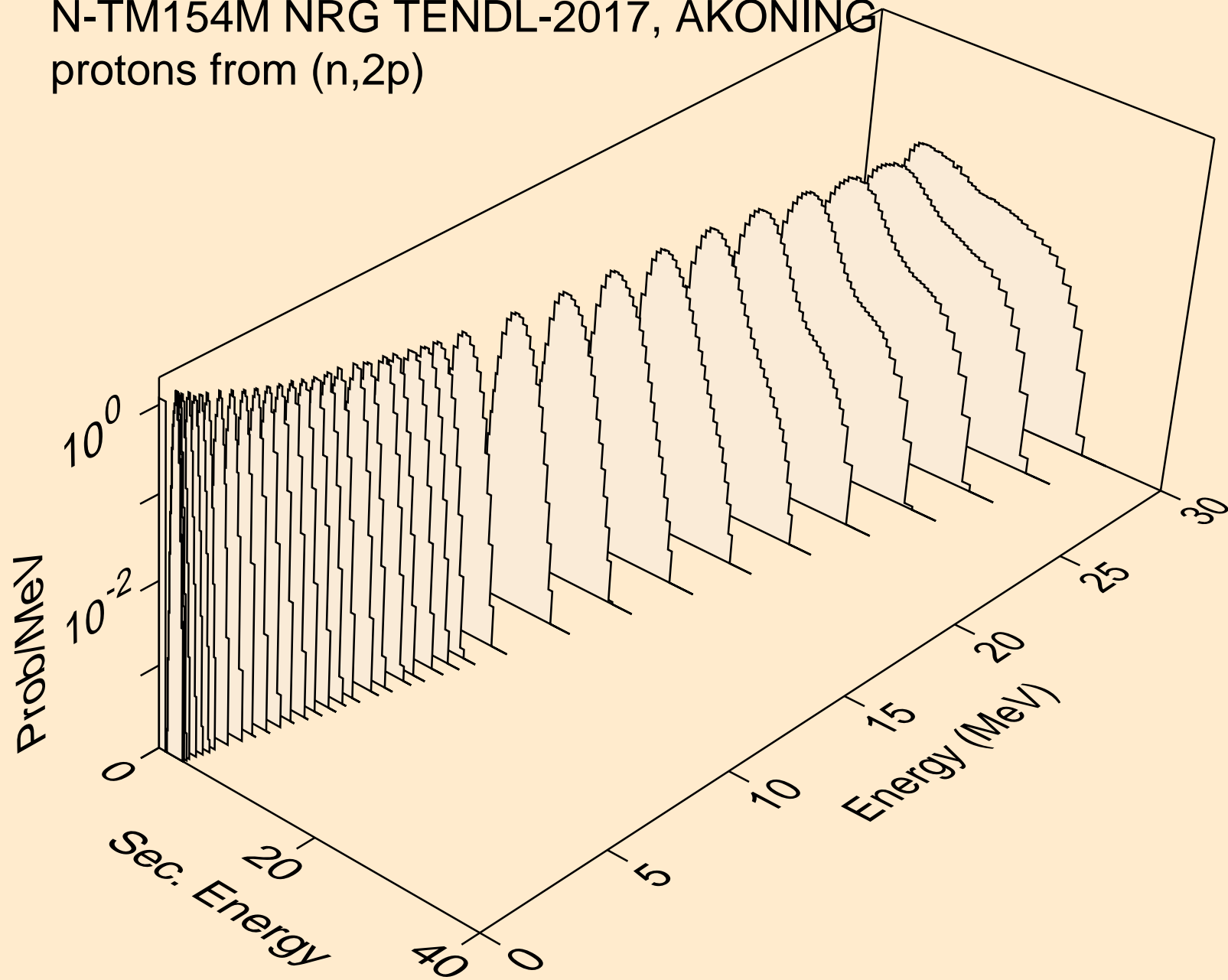
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protons from (n,npa)



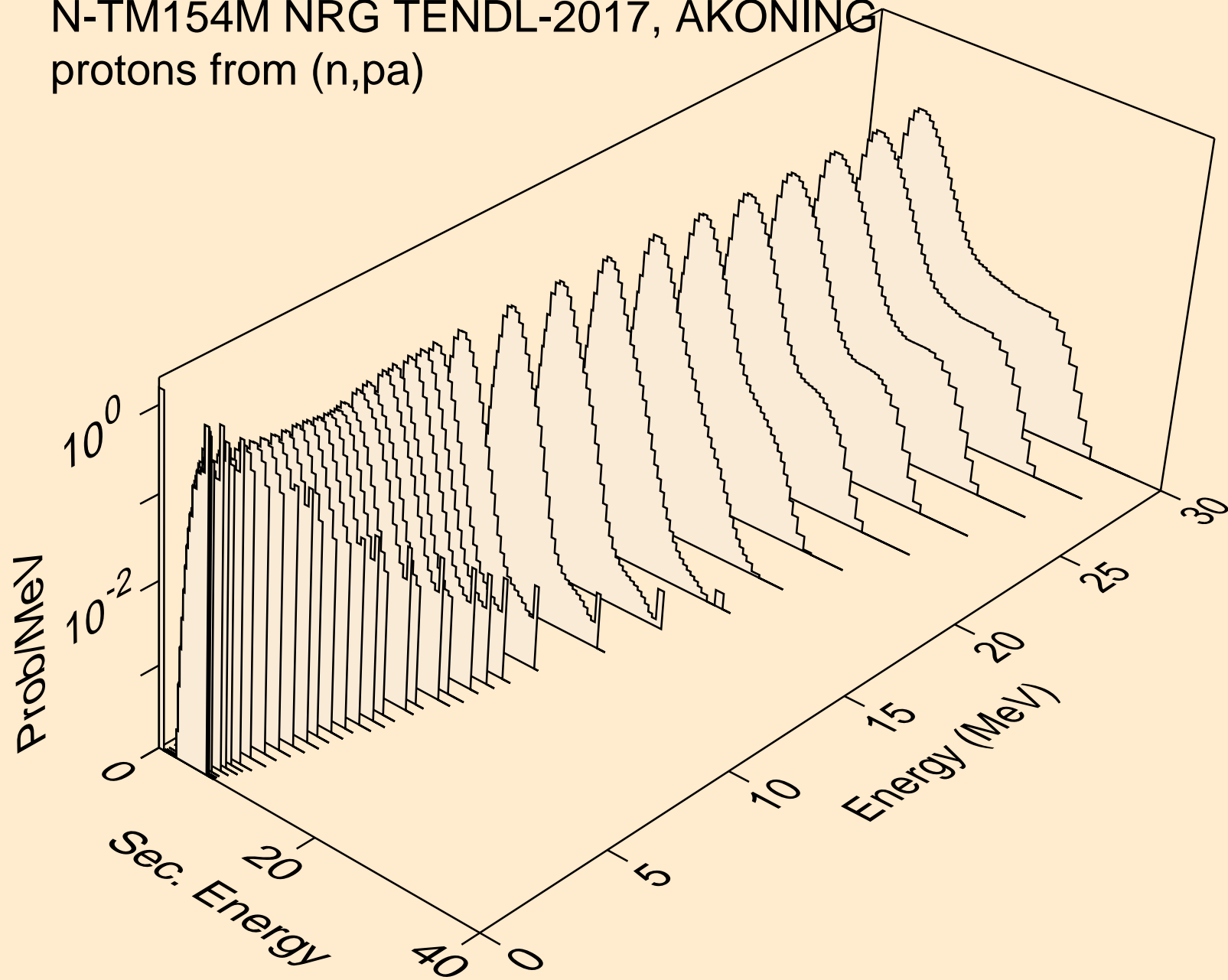
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protons from (n,p)



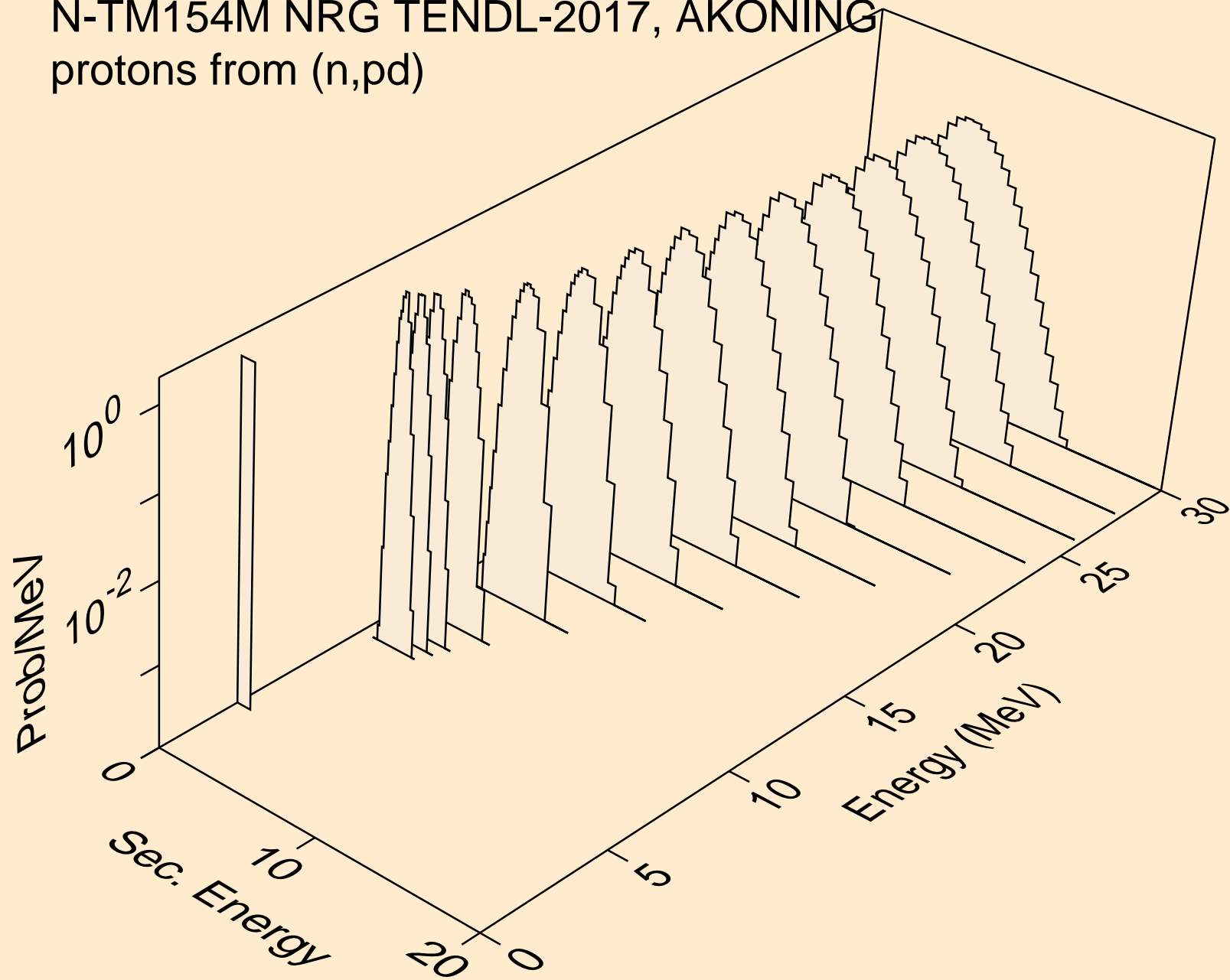
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protons from (n,2p)



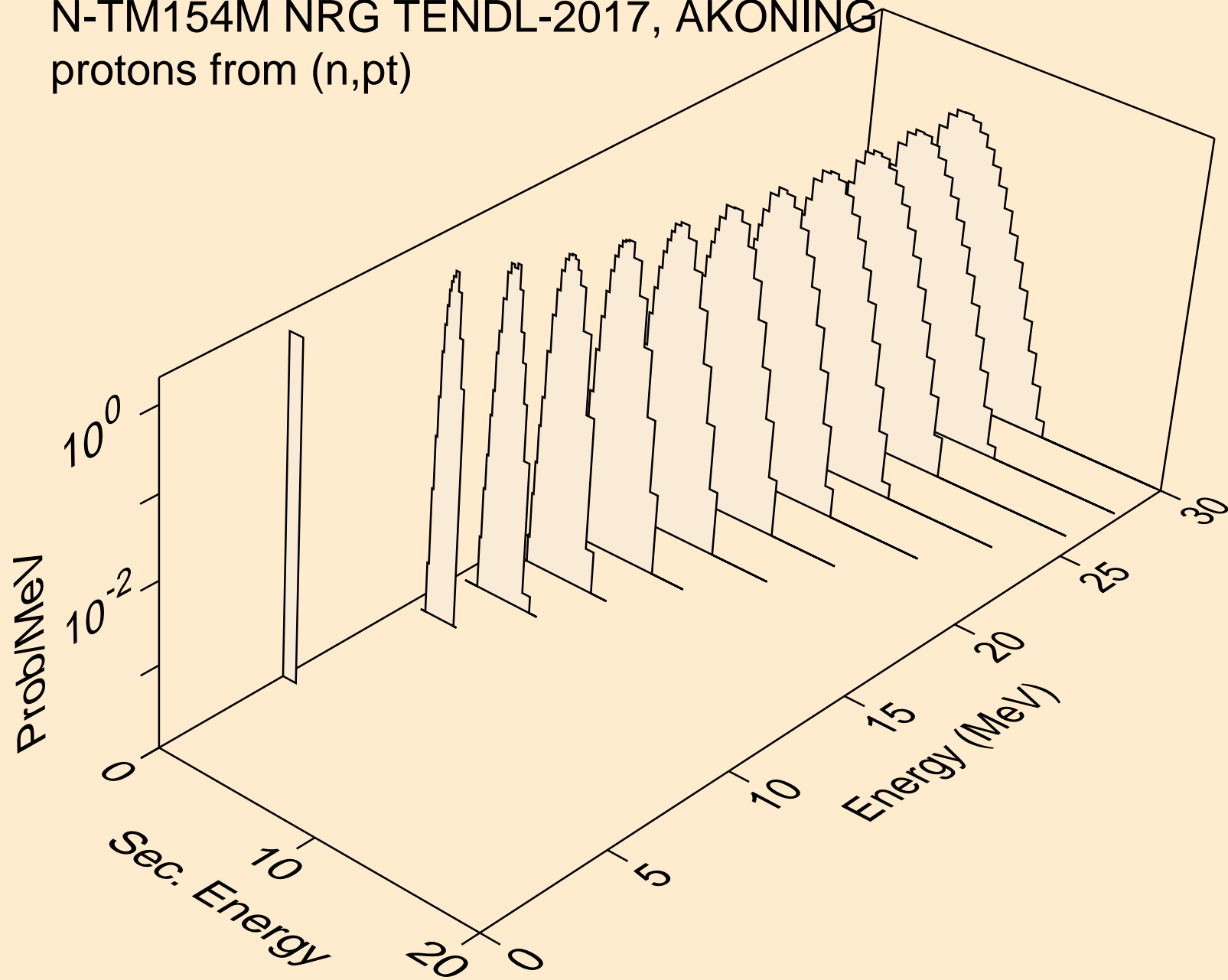
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protons from (n,pa)



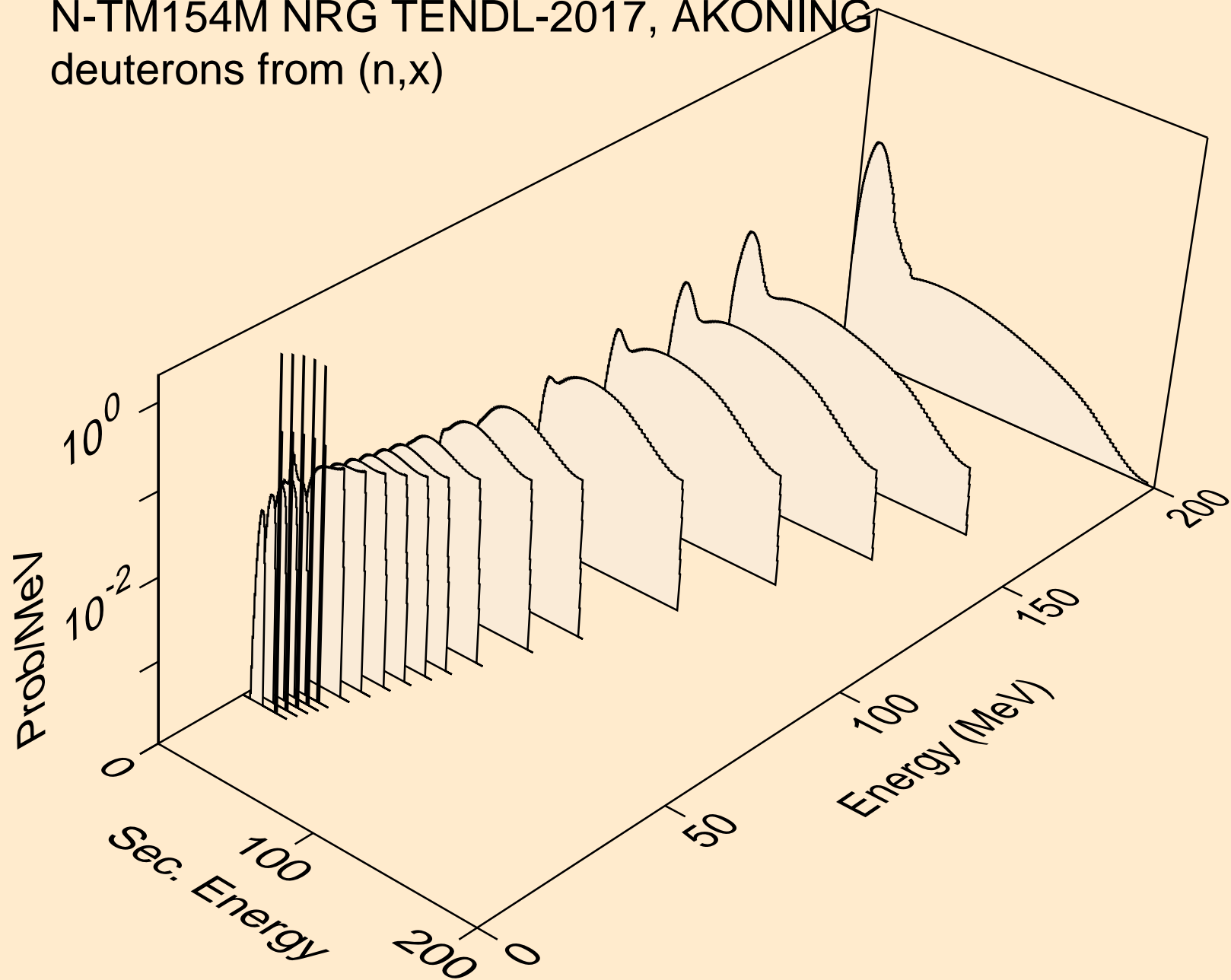
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protons from (n,pd)



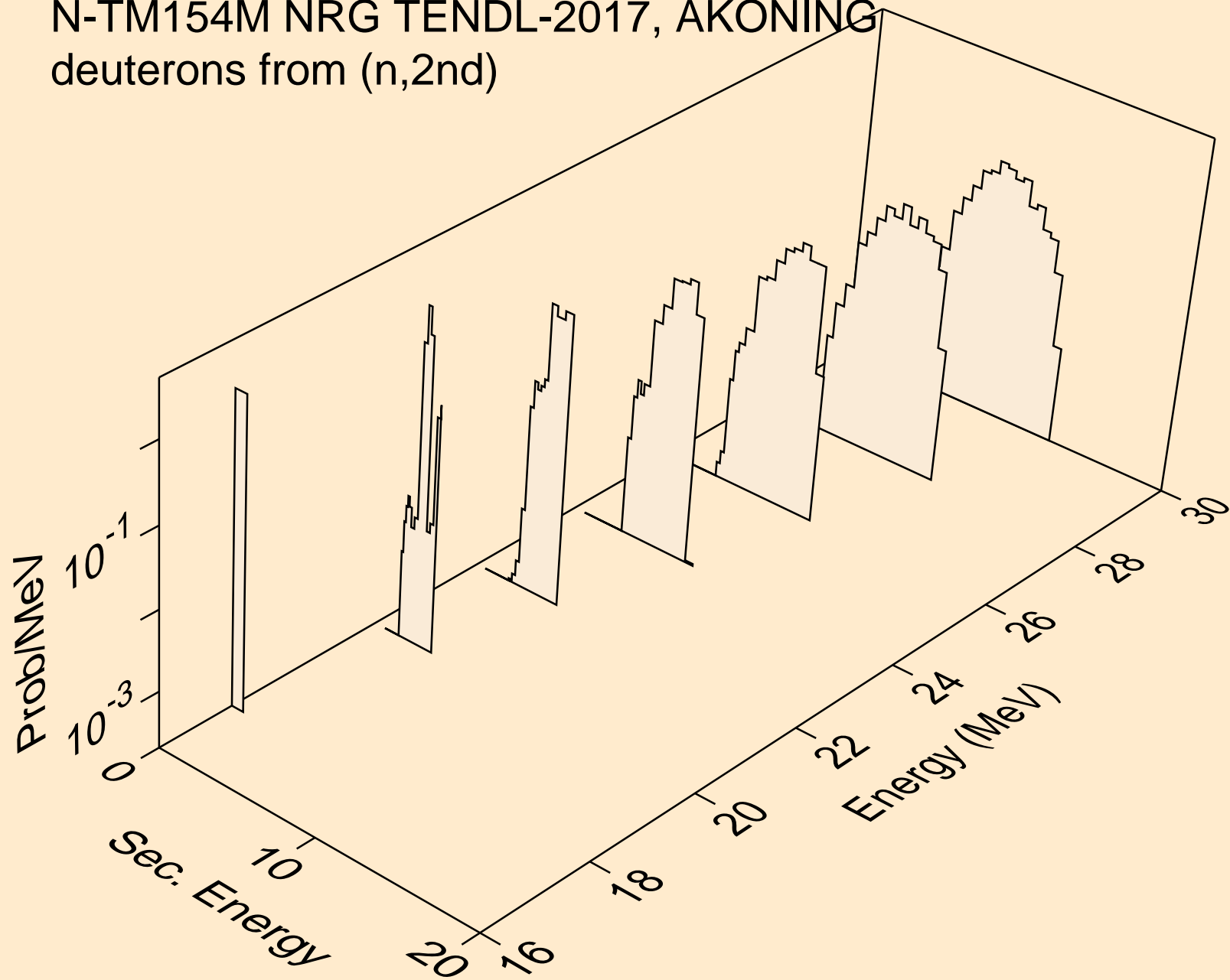
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protons from (n,pt)



N-TM154M NRG TENDL-2017, AKONING  
deuterons from (n,x)

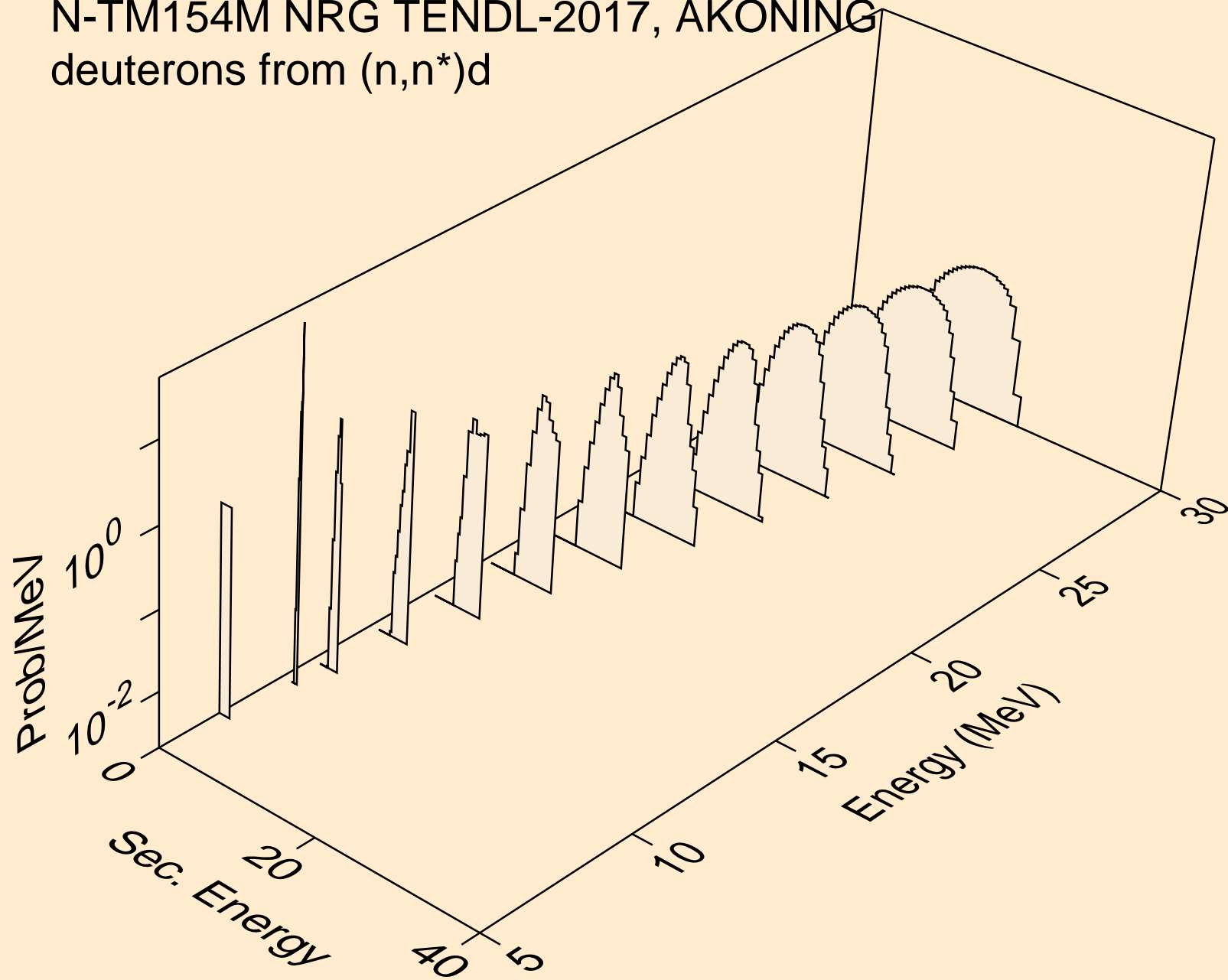


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deuterons from (n,2nd)

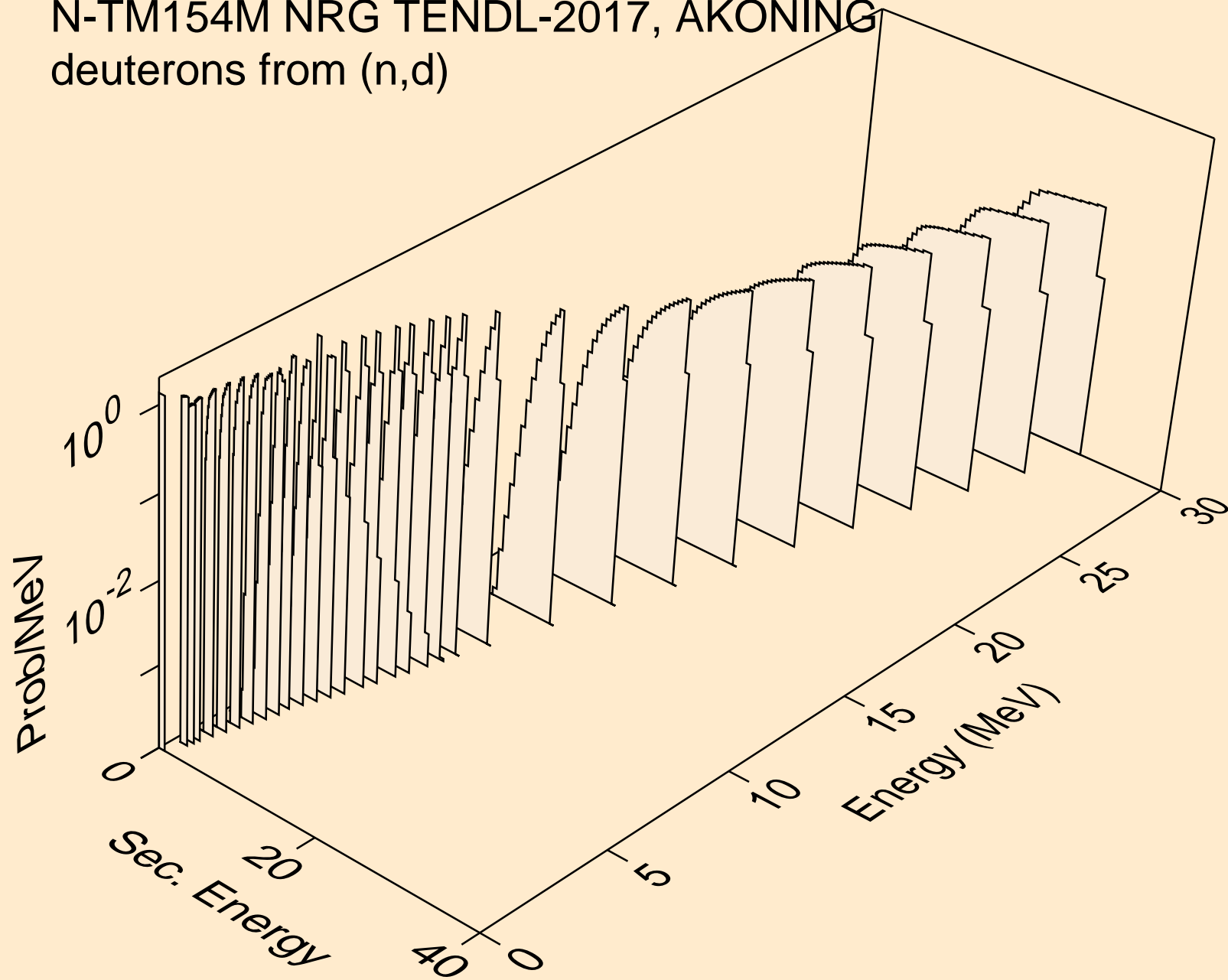




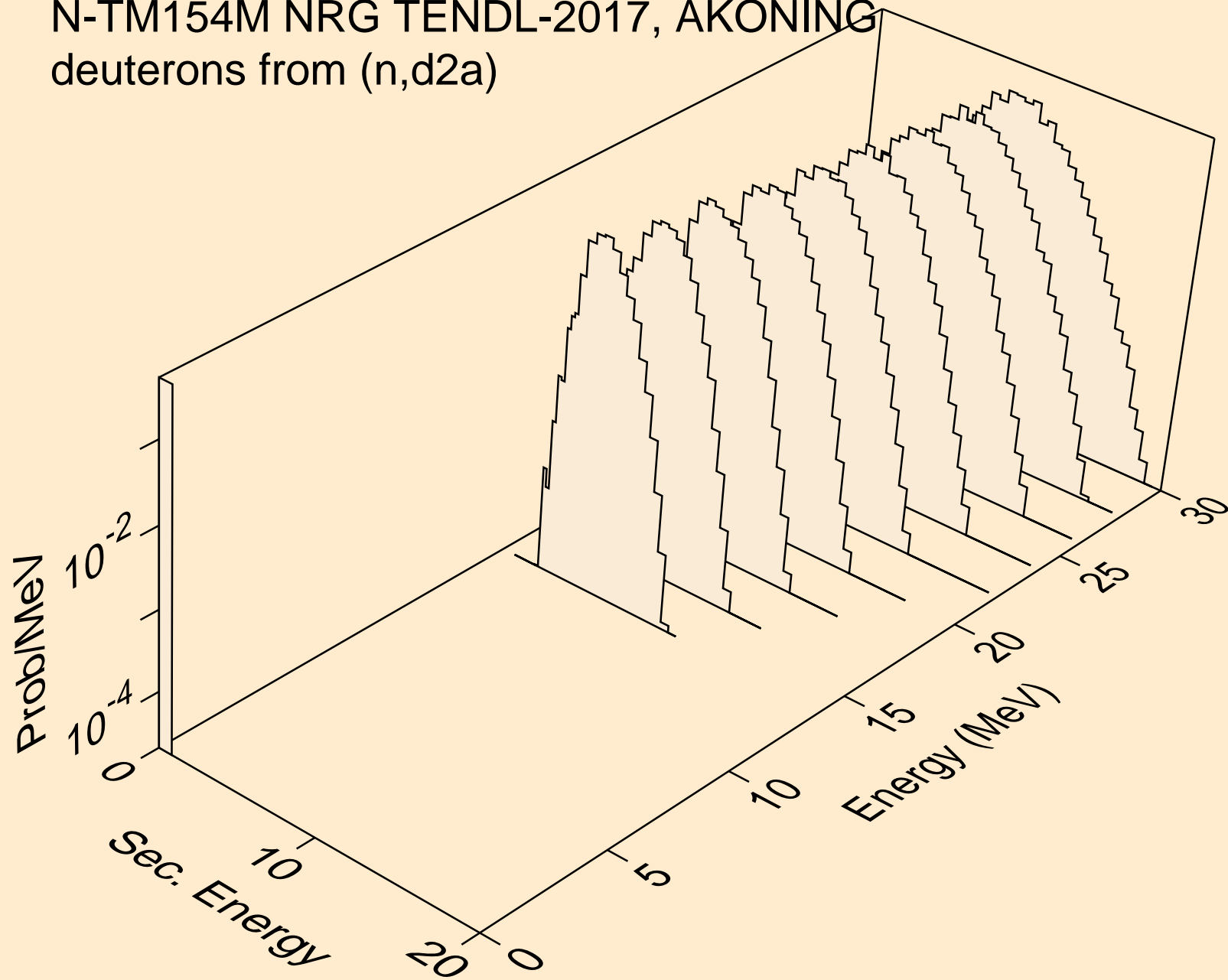
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deuterons from (n,n\*)d



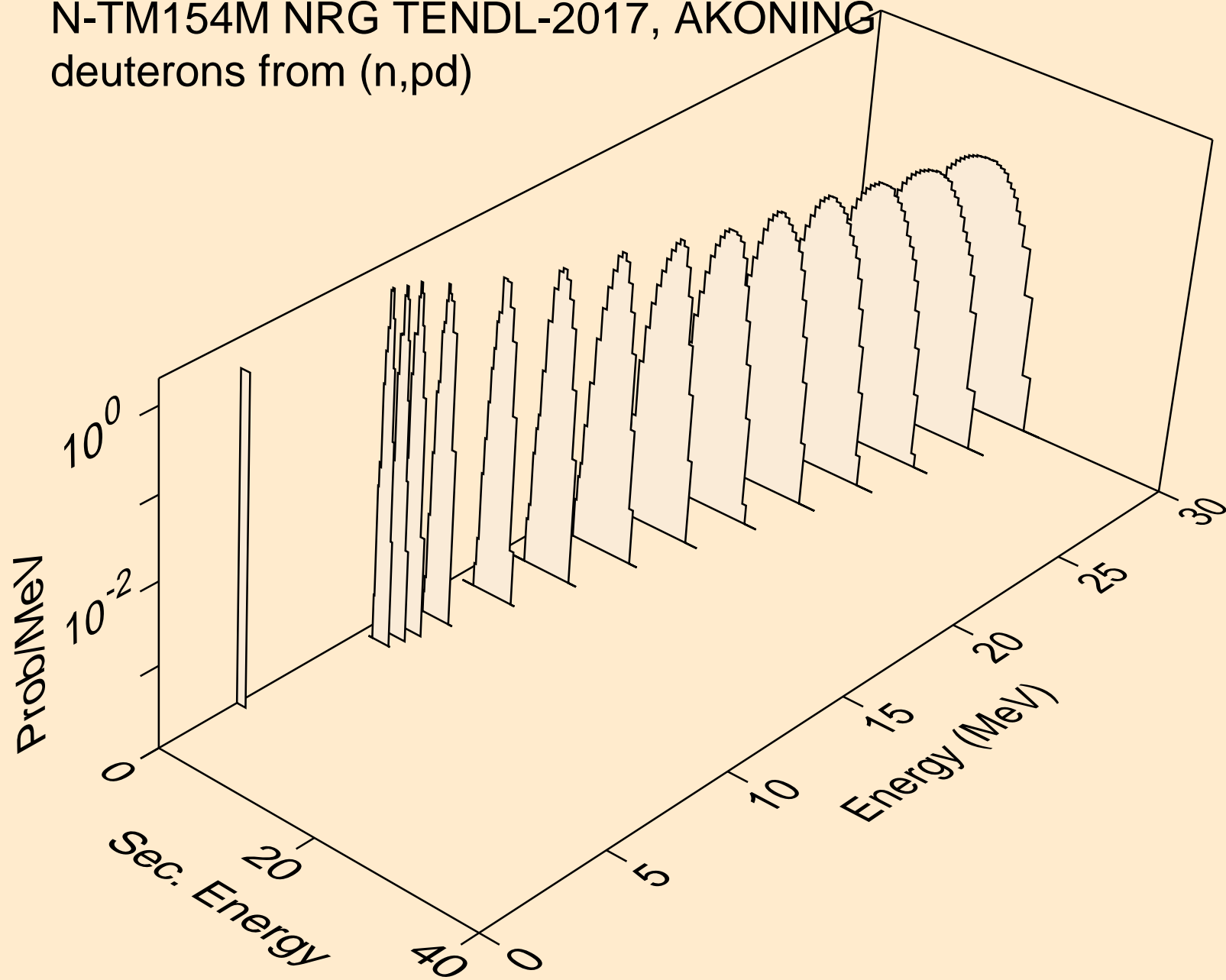
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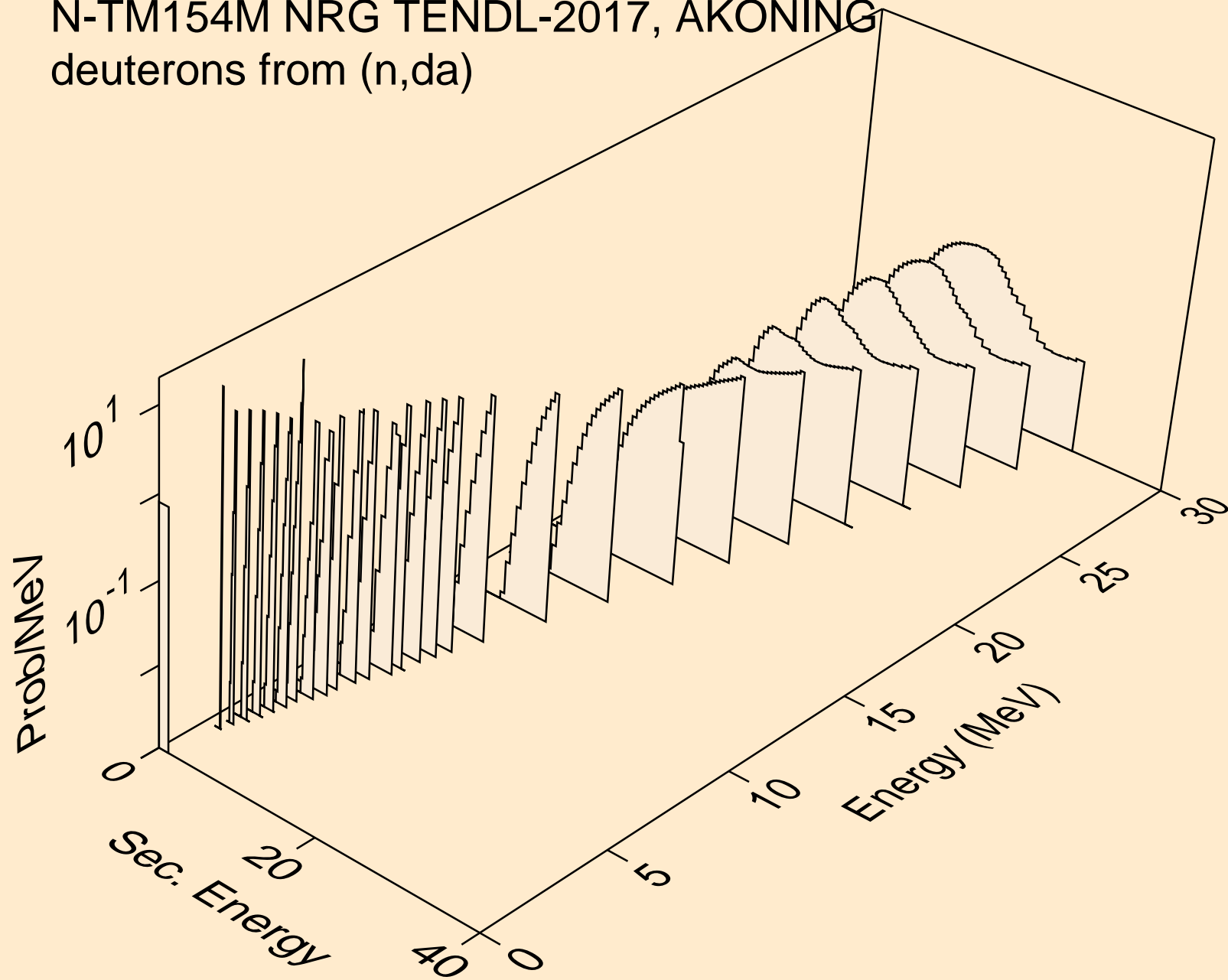
N-TM154M NRG TENDL-2017, AKONING  
deuterons from (n,d2a)



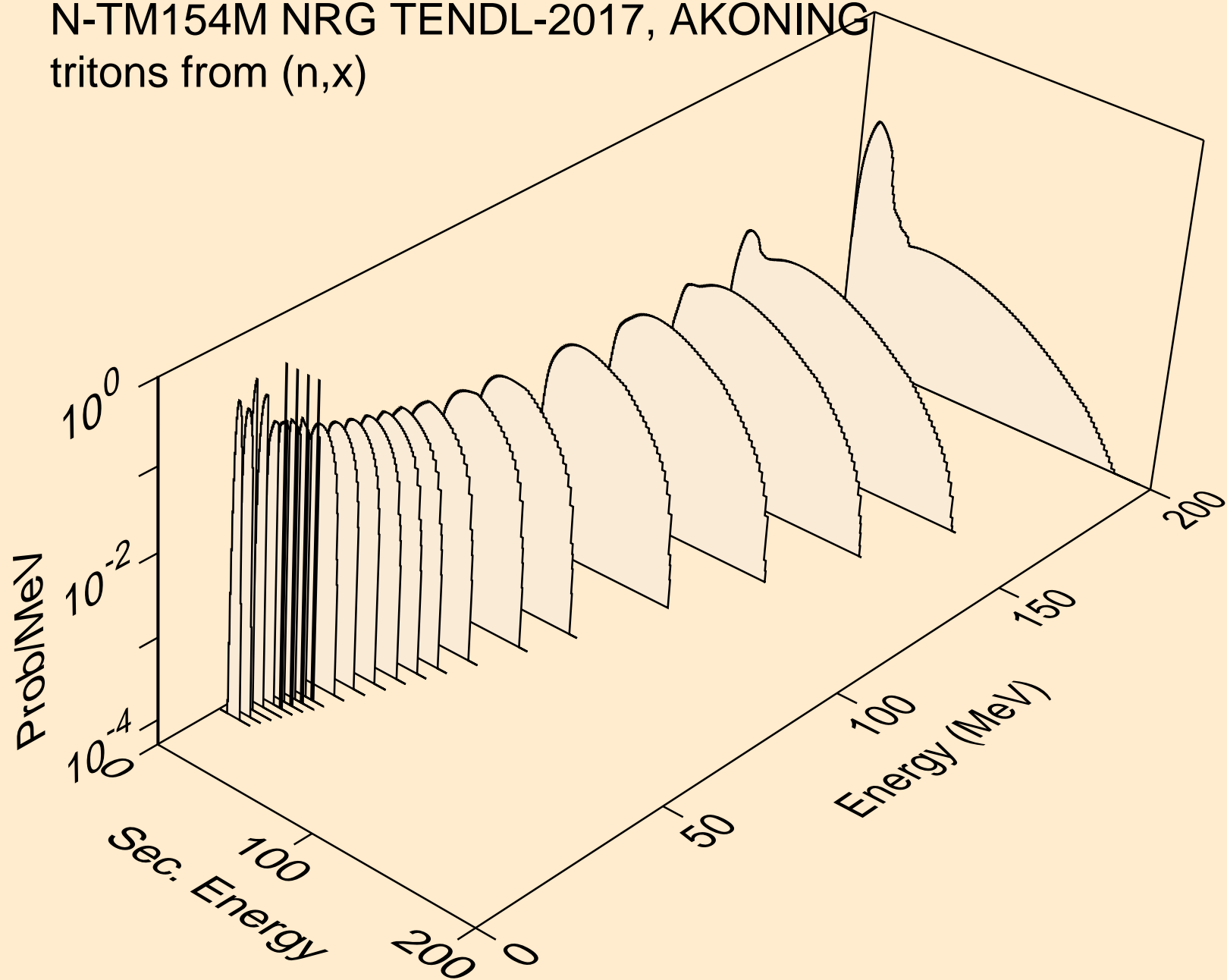
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deuterons from (n,pd)



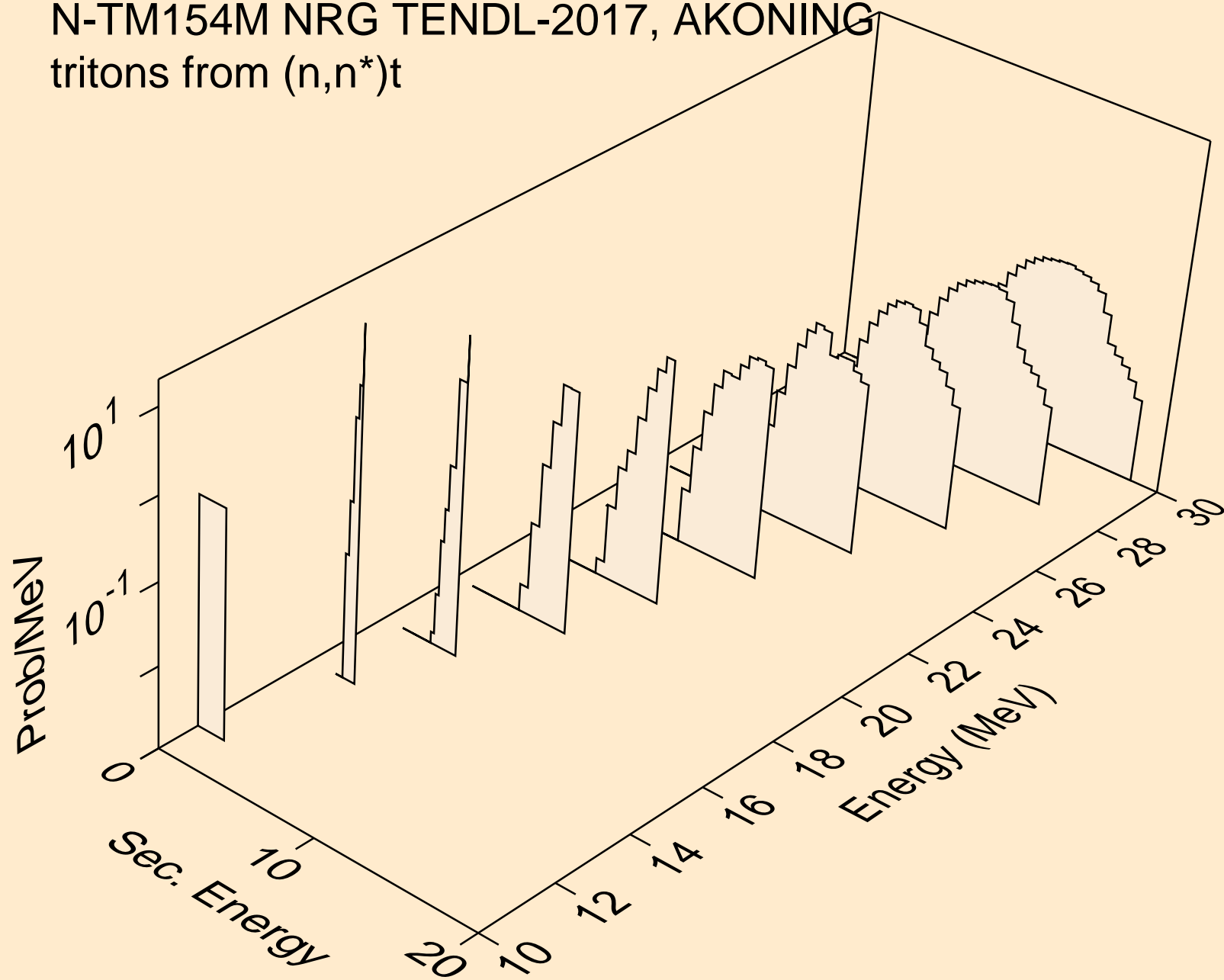
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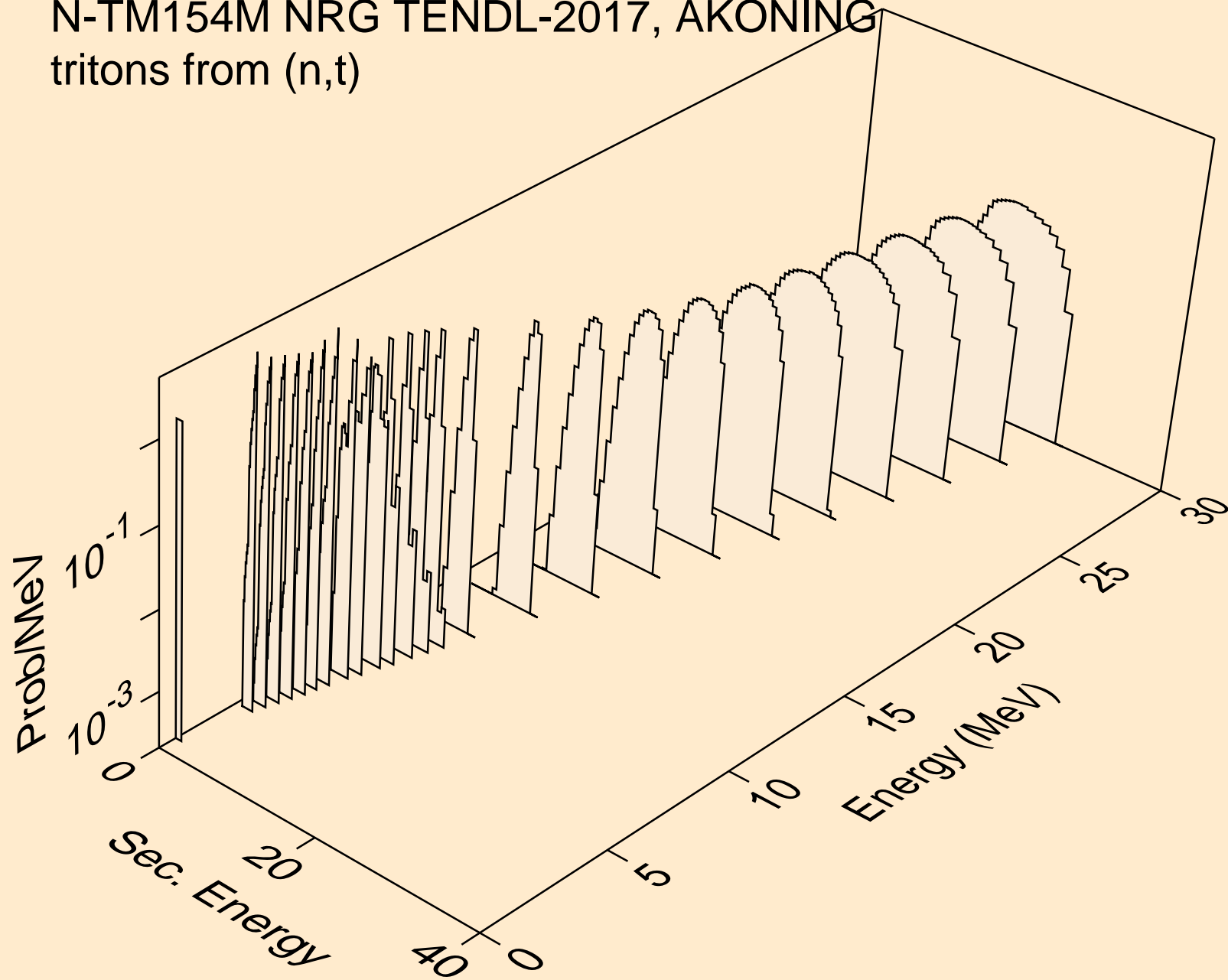
N-TM154M NRG TENDL-2017, AKONING  
tritons from (n,x)



N-TM154M NRG TENDL-2017, AKONING  
tritons from (n,n\*)t

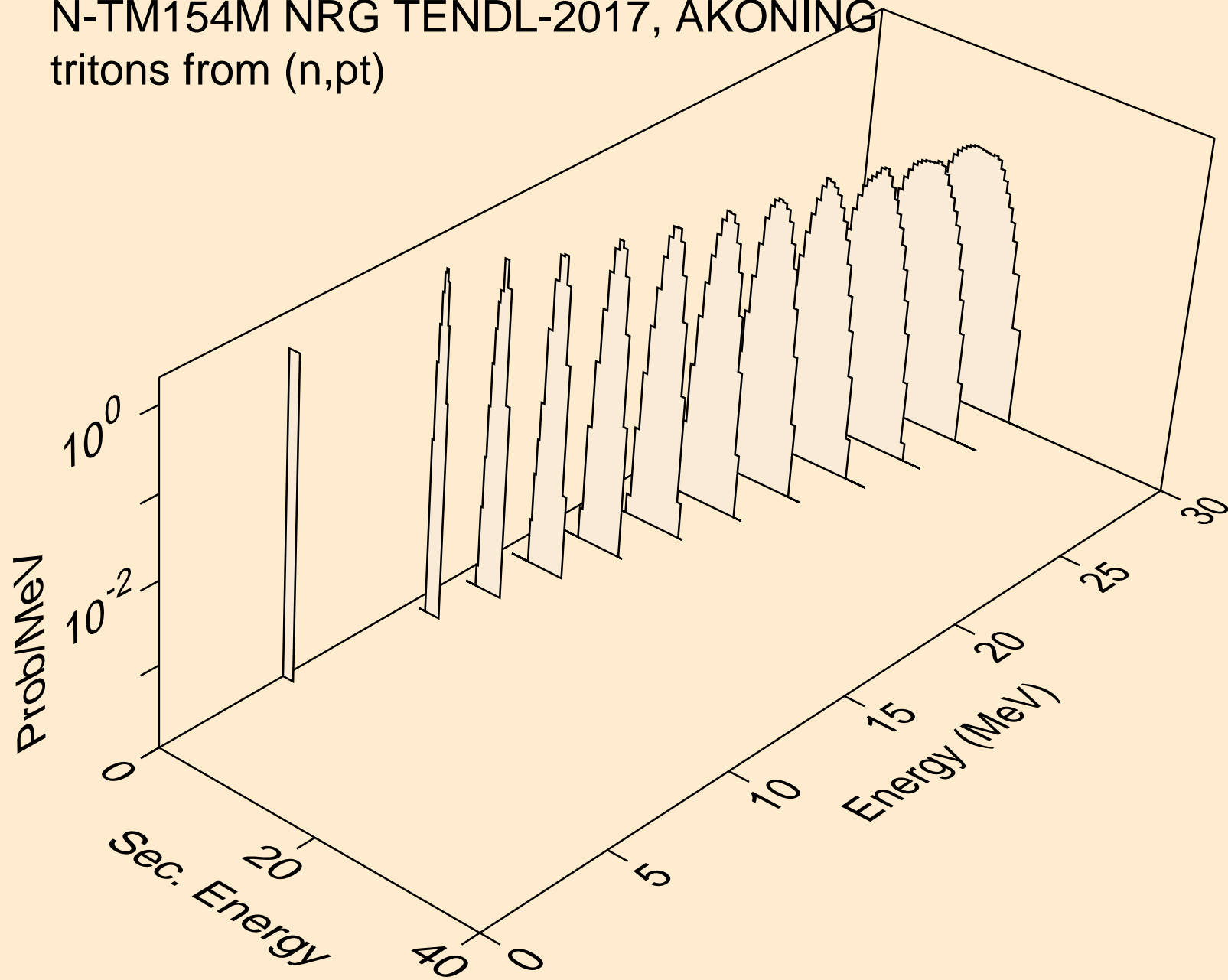


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tritons from (n,t)

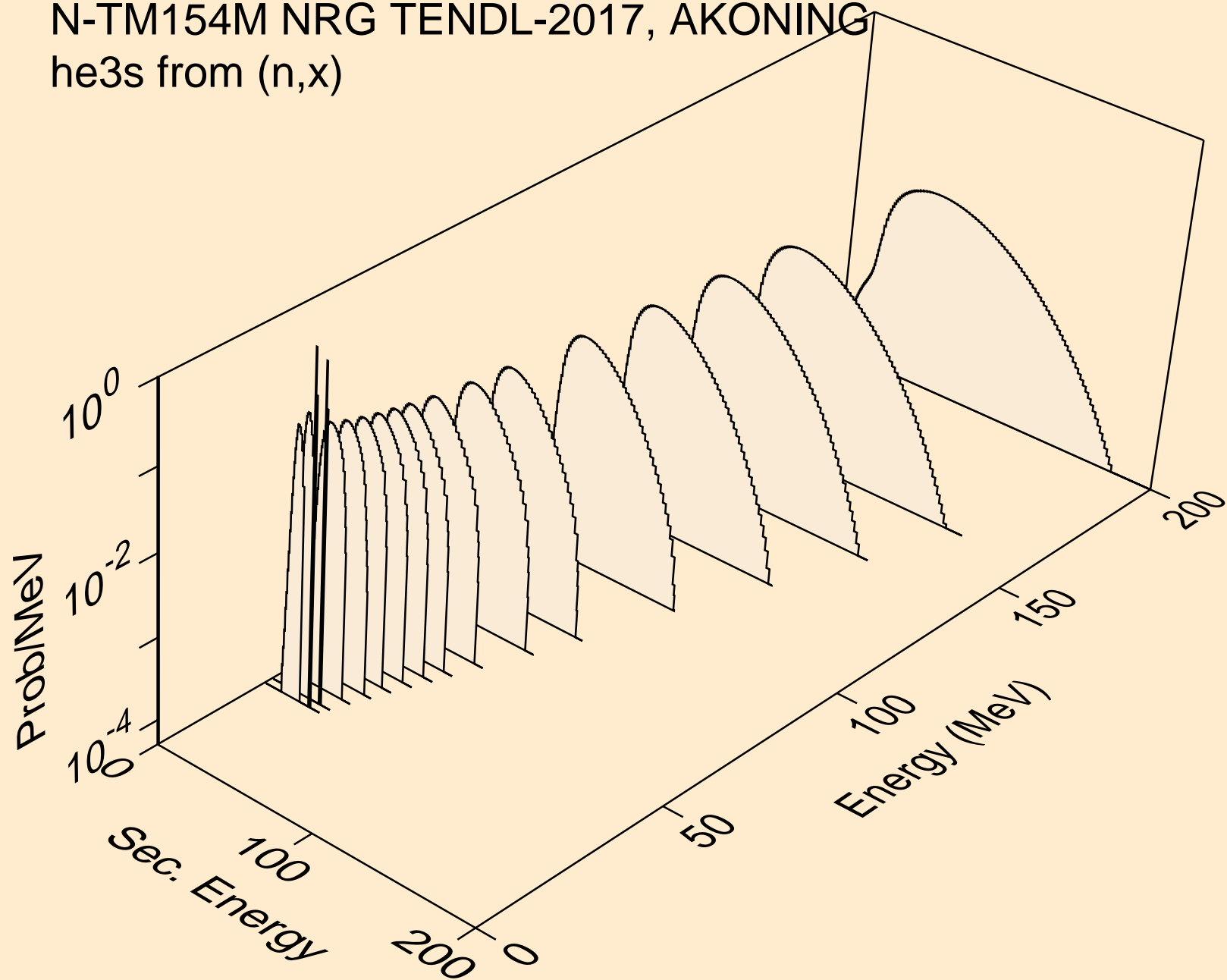




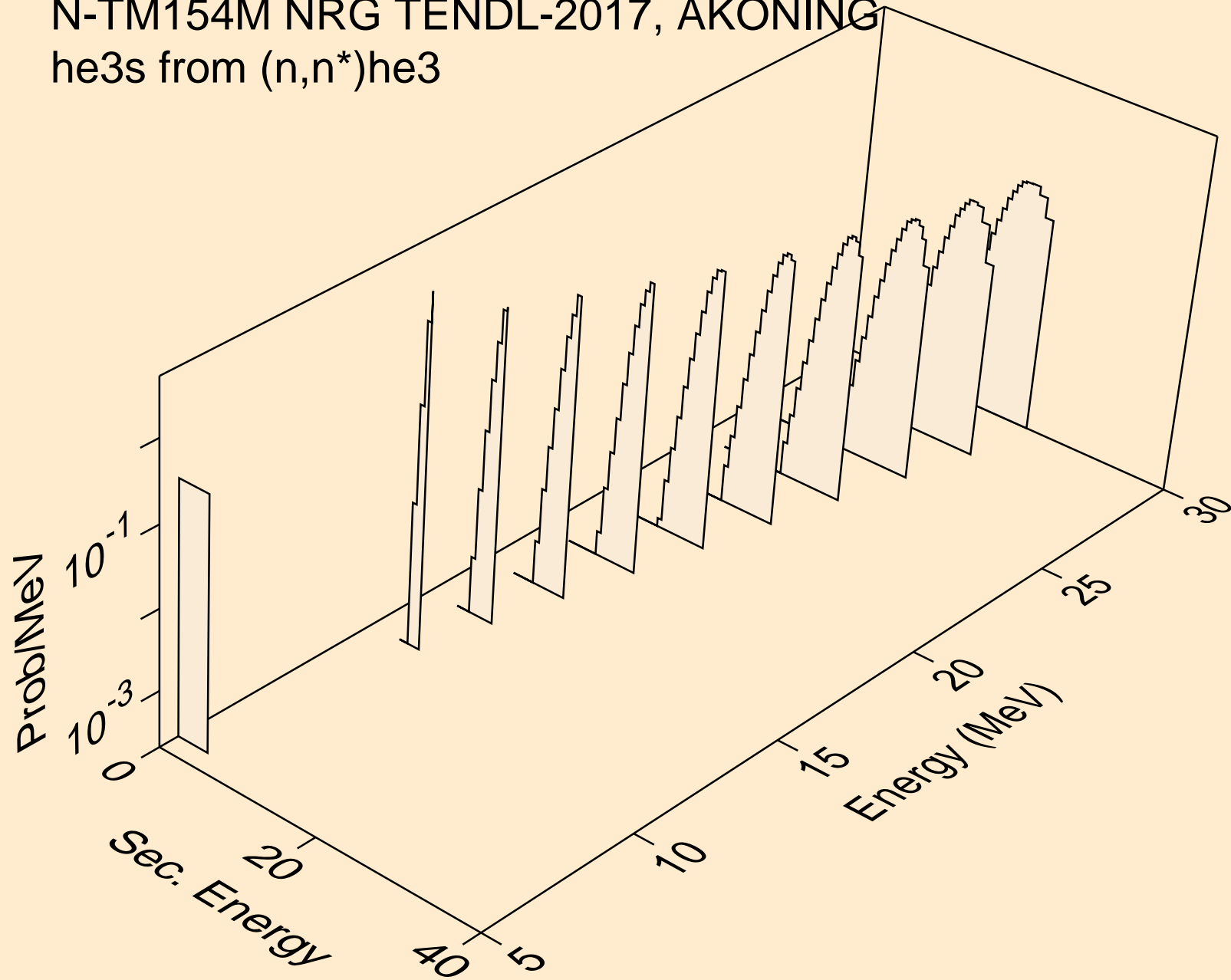
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tritons from (n,pt)



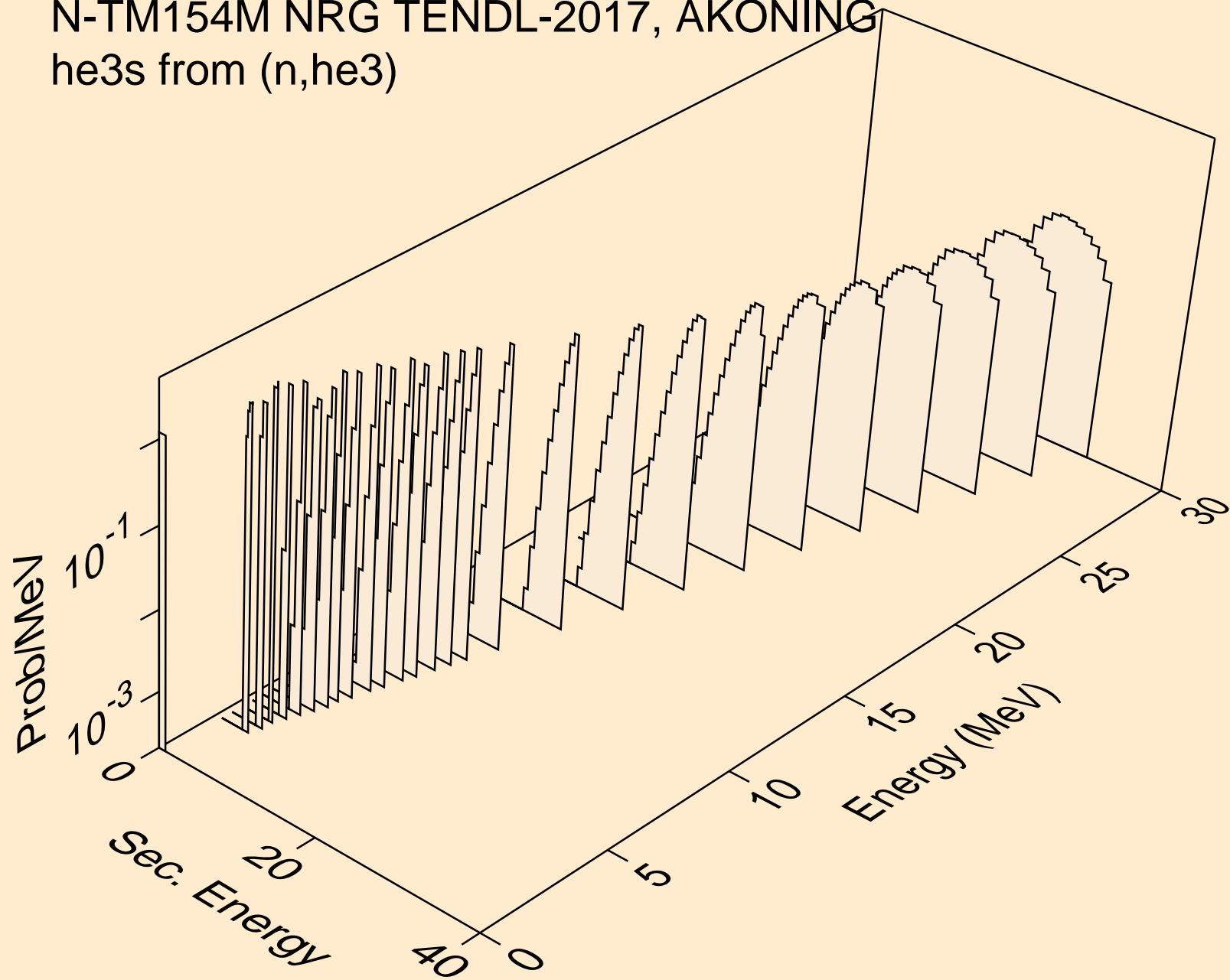
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he3s from (n,x)



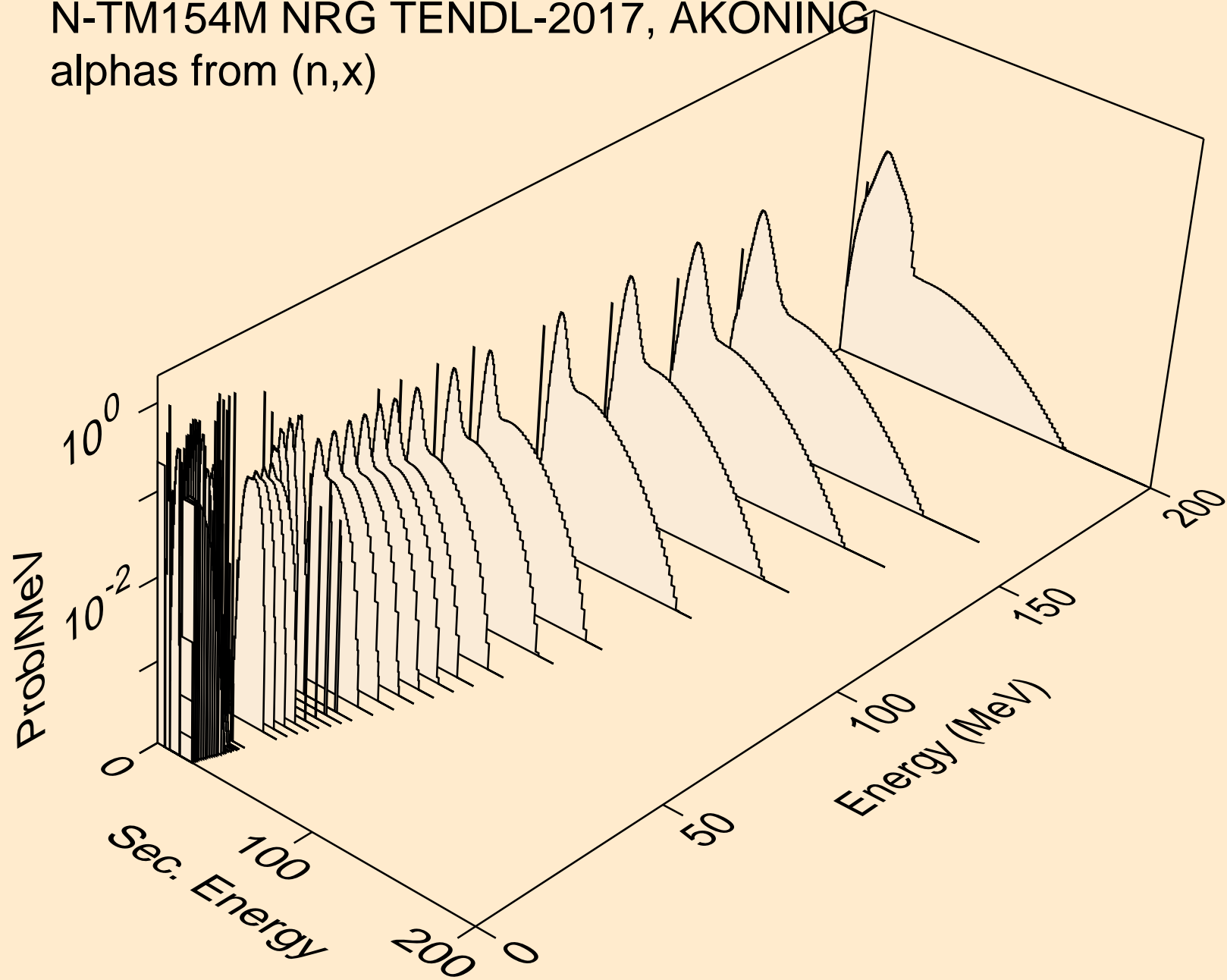
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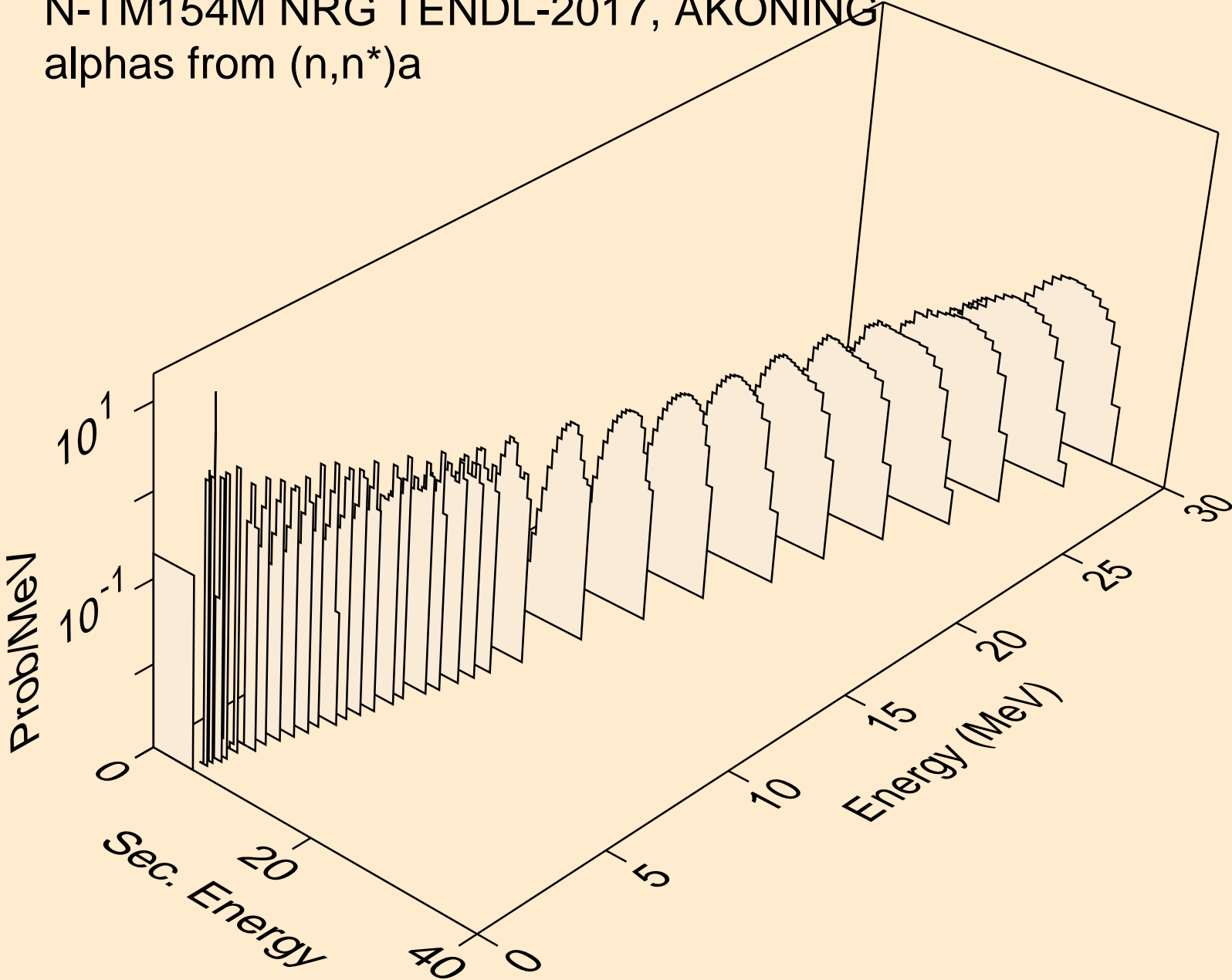
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he3s from (n,he3)



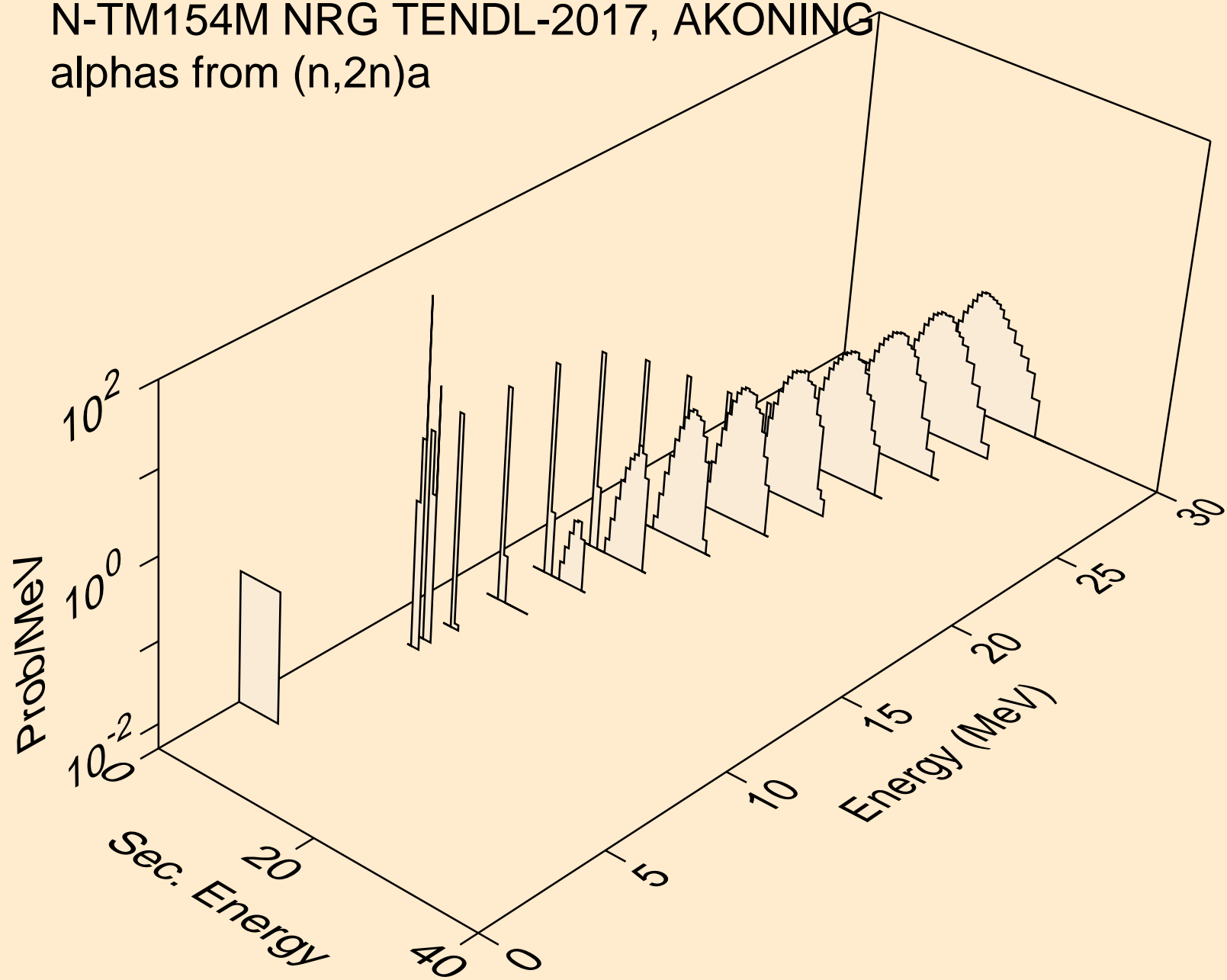
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alphas from (n,x)



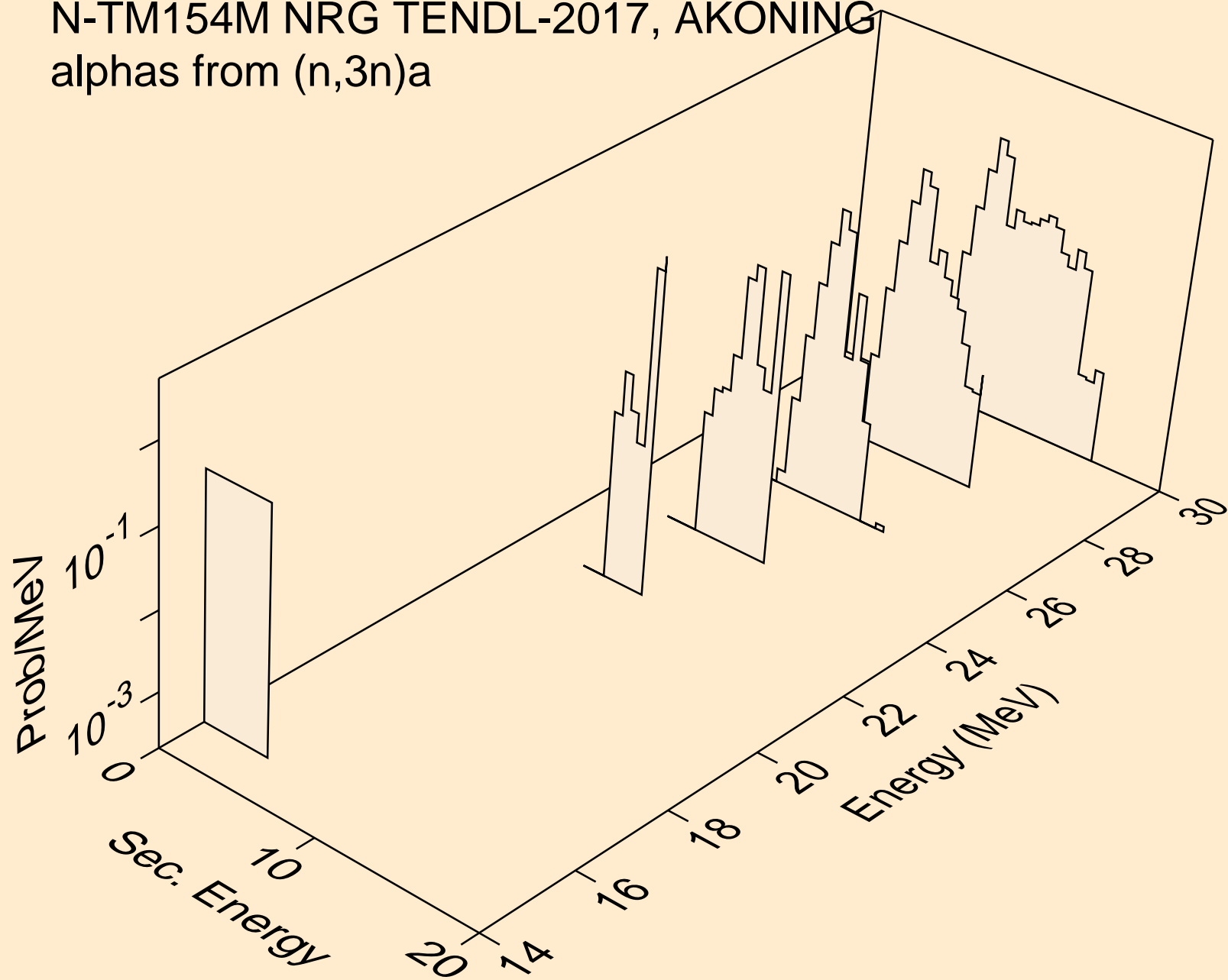
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alphas from (n,n\*)a



N-TM154M NRG TENDL-2017, AKONING  
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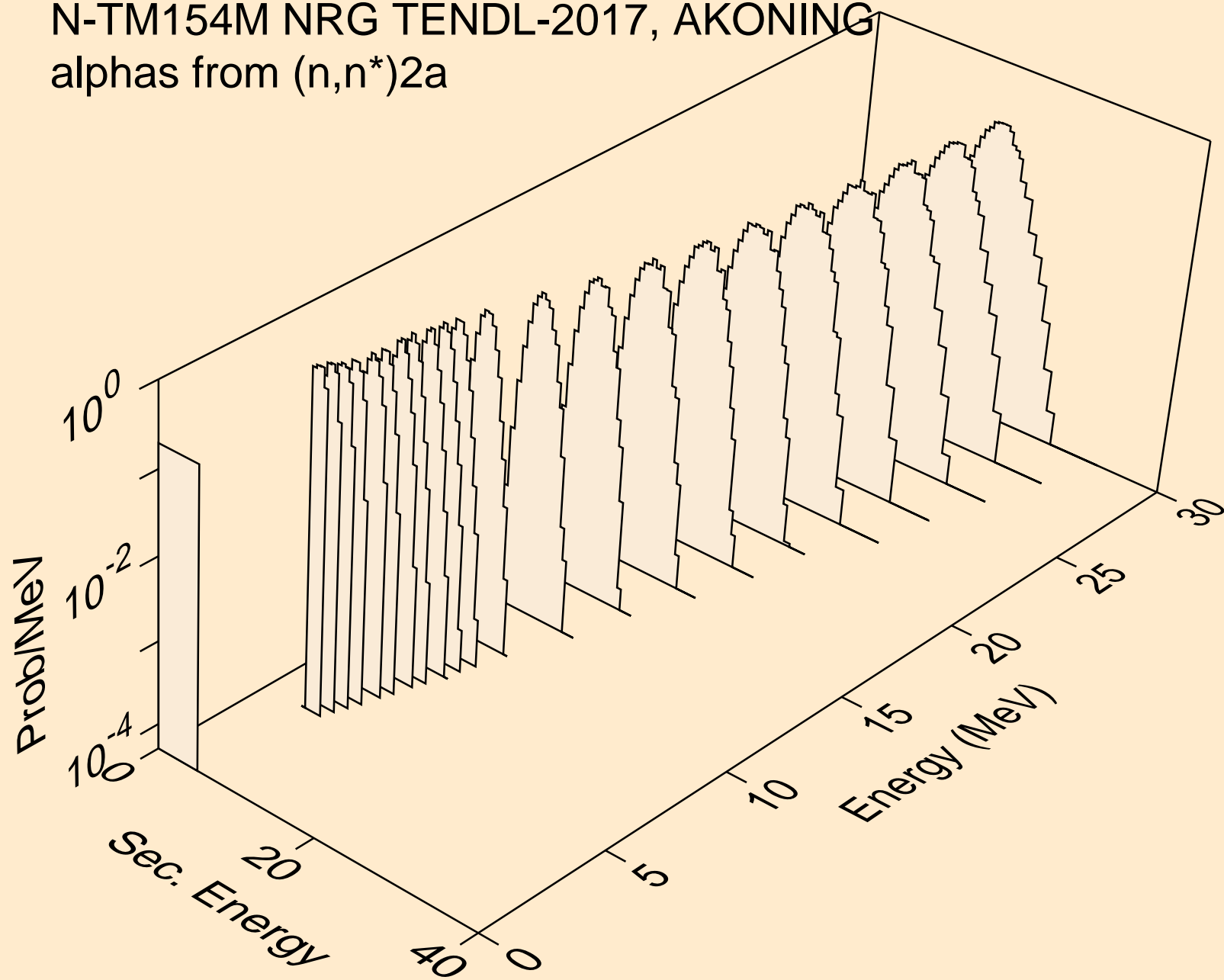


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alphas from (n,3n)a

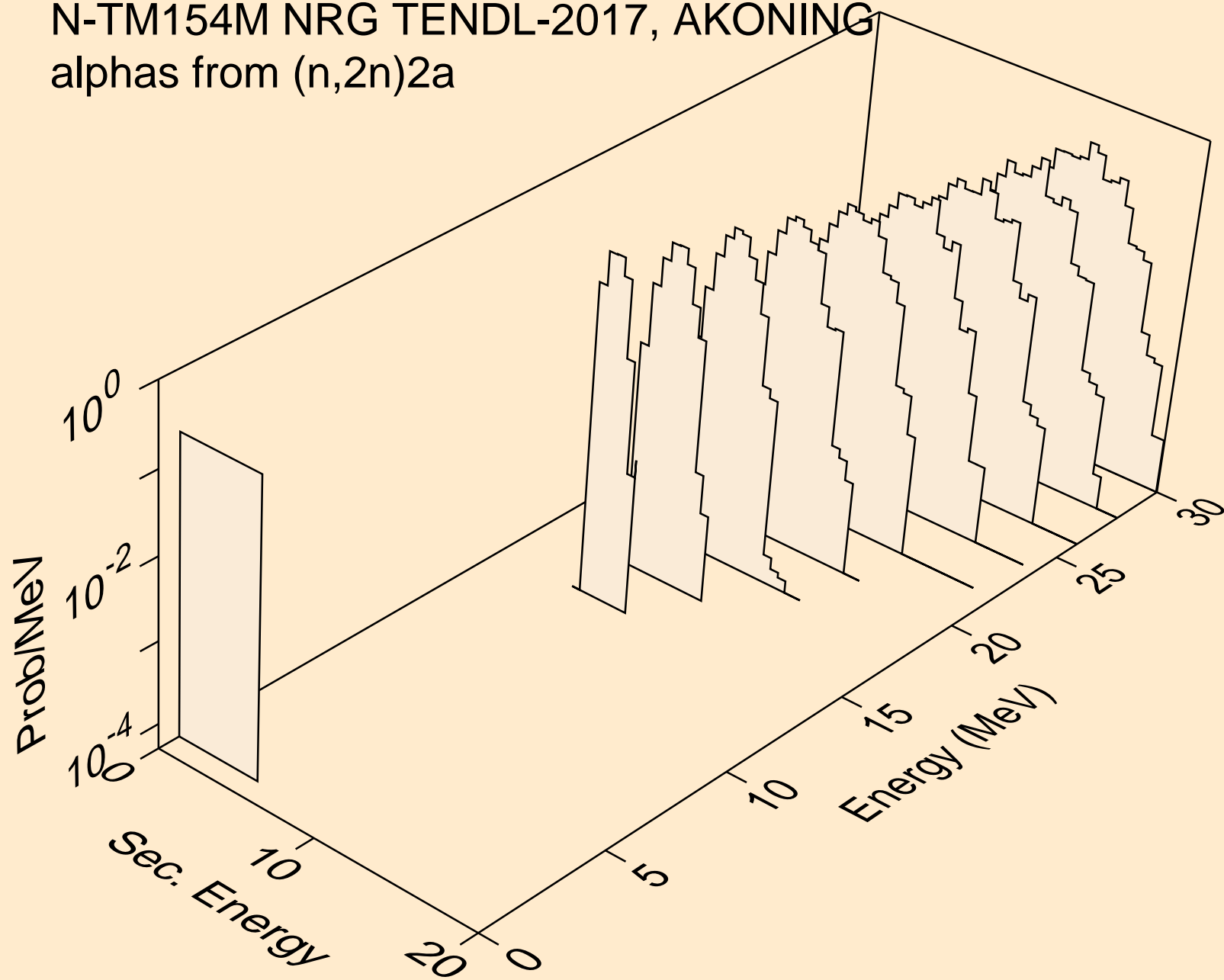




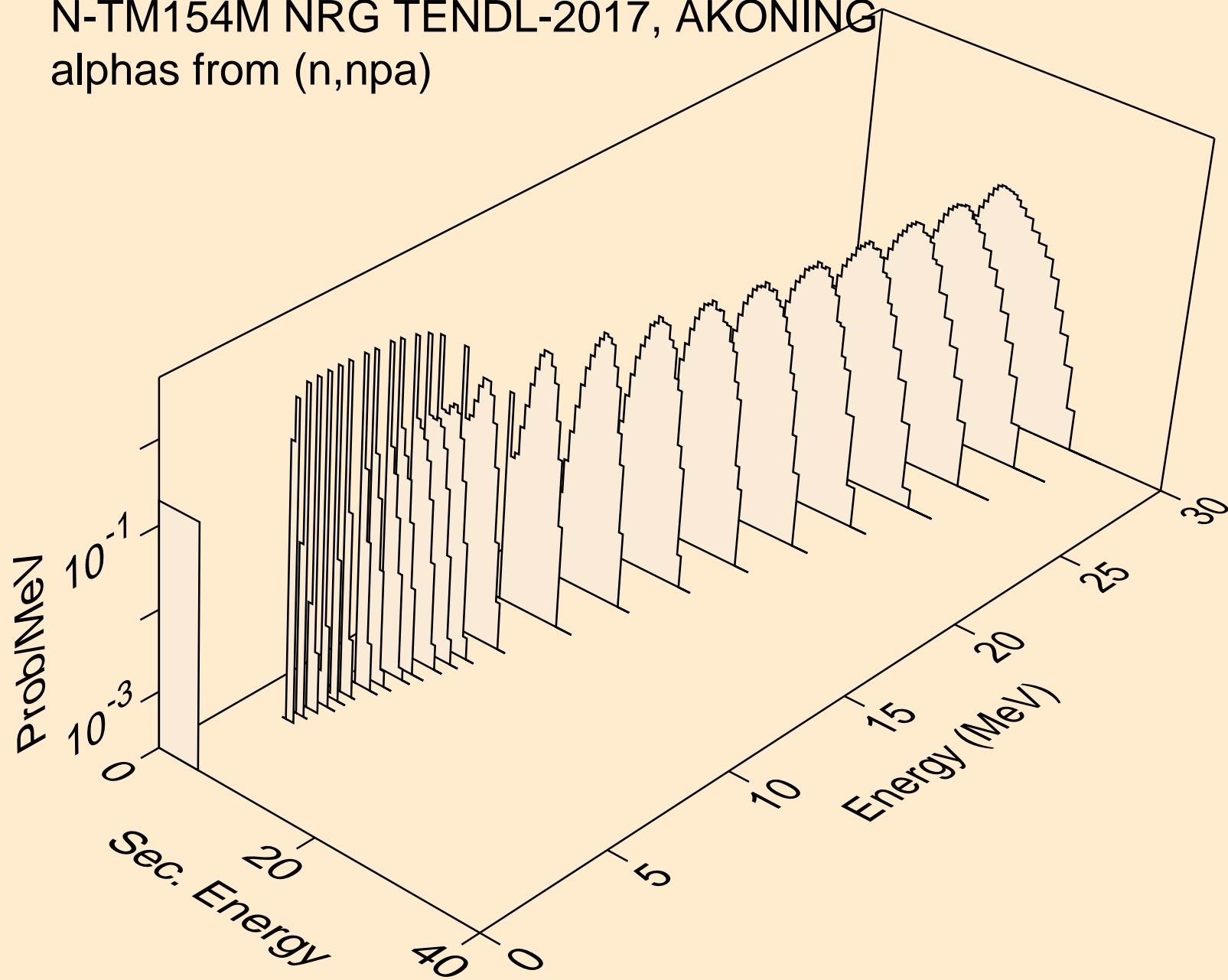
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alphas from (n,n\*)2a



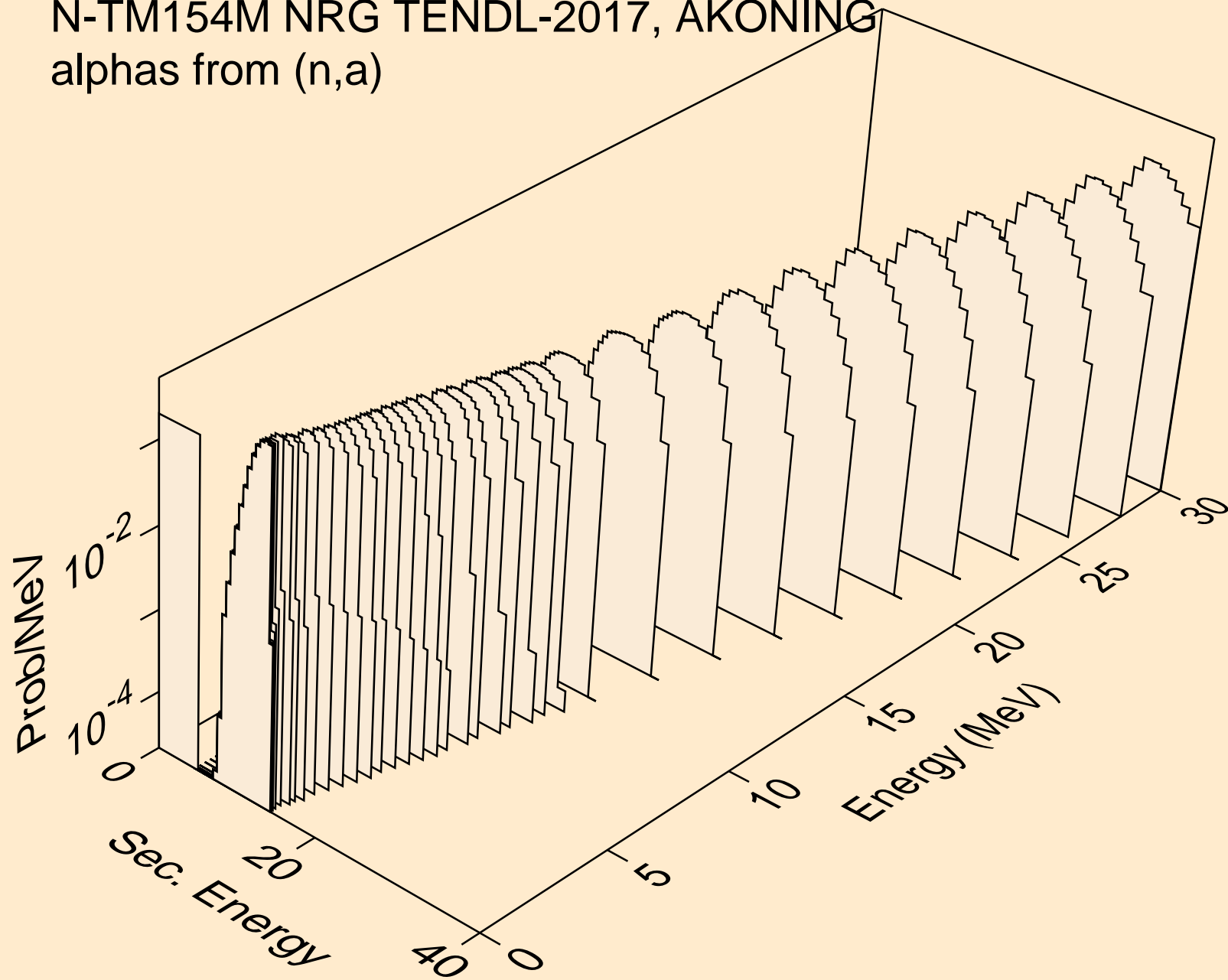
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alphas from (n,2n)2a



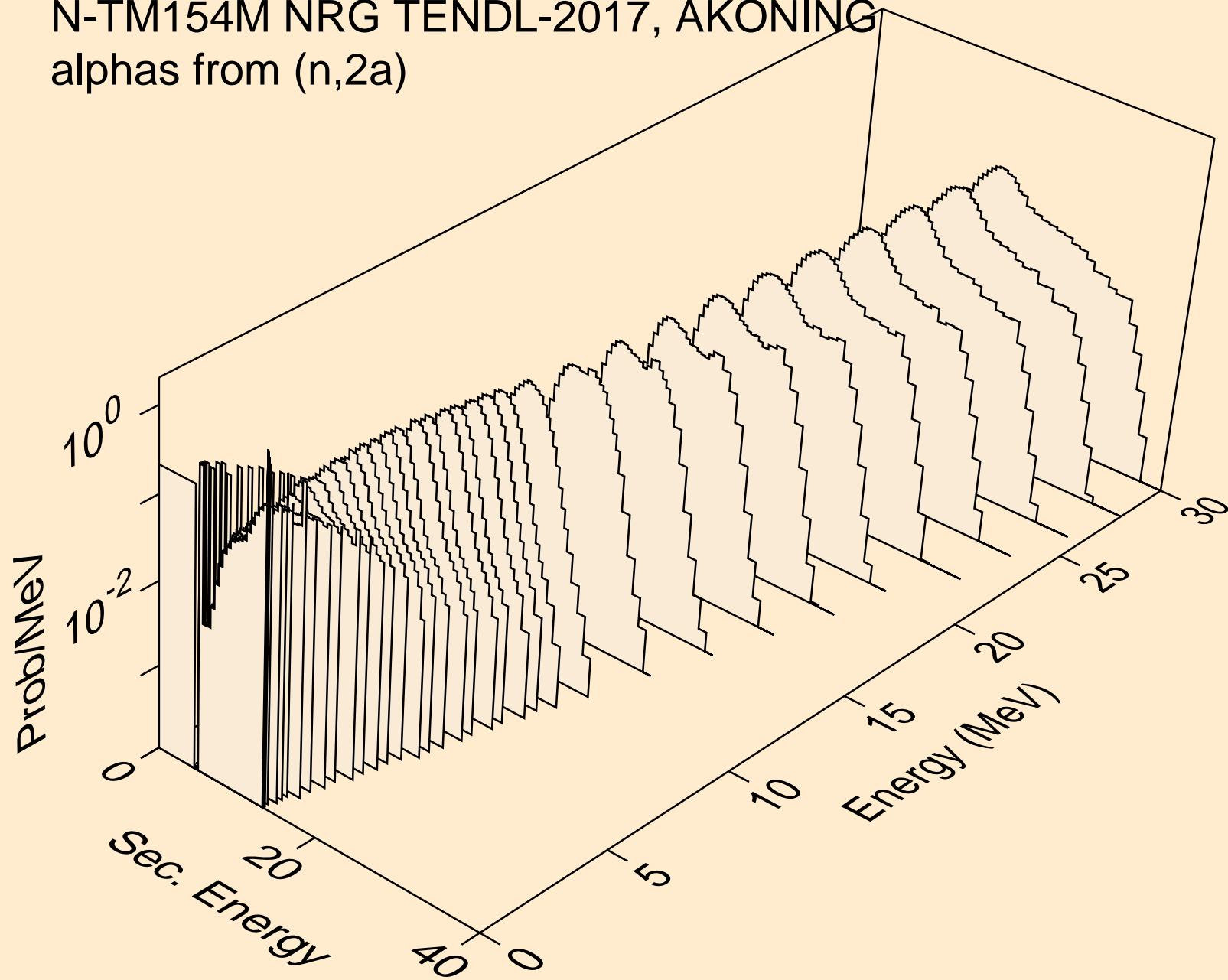
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alphas from (n,npa)



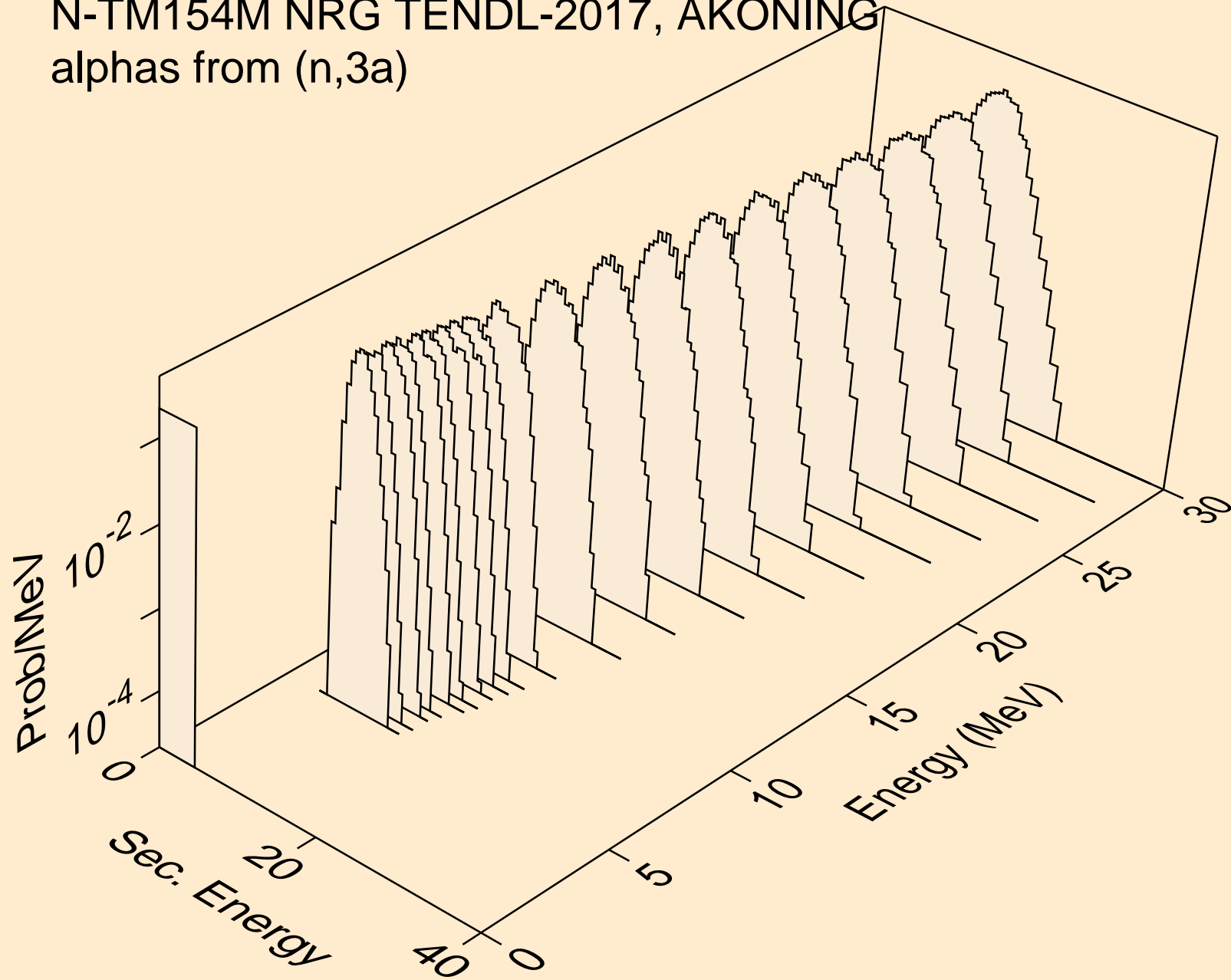
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alphas from (n,a)



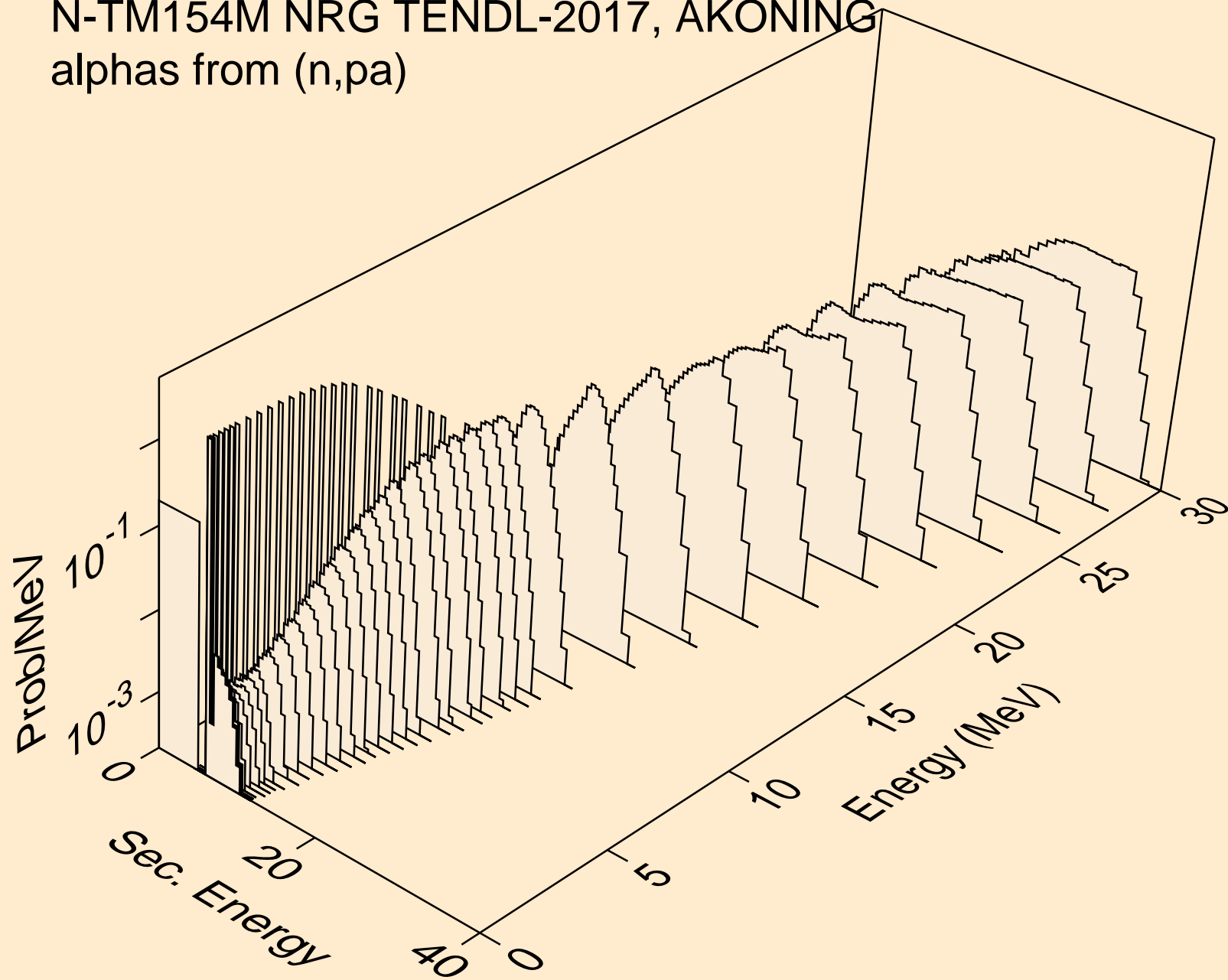
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alphas from (n,2a)



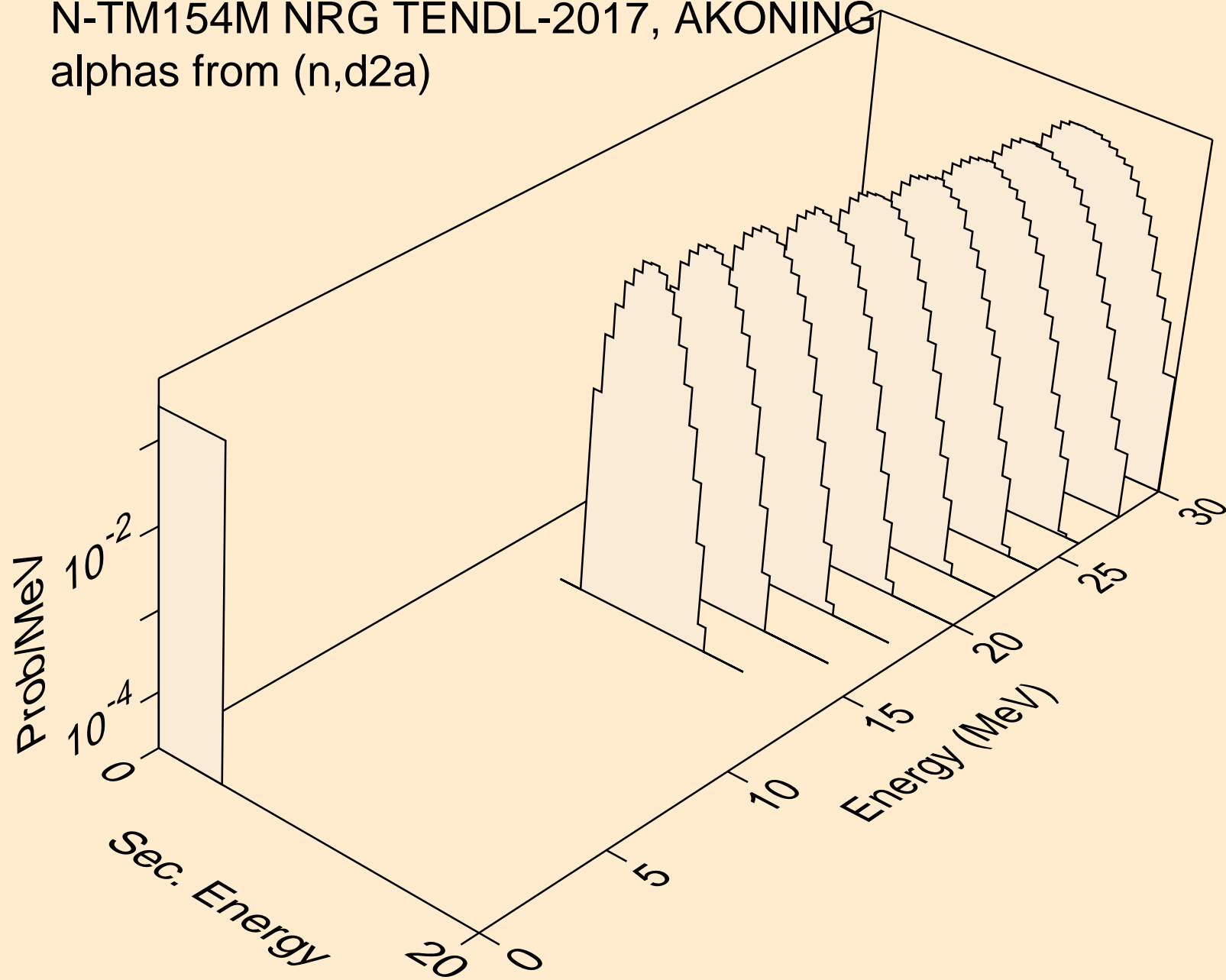
N-TM154M NRG TENDL-2017, AKONING  
alphas from (n,3a)



N-TM154M NRG TENDL-2017, AKONING  
alphas from (n,pa)



N-TM154M NRG TENDL-2017, AKONING  
alphas from (n,d2a)





N-TM154M NRG TENDL-2017, AKONING  
alphas from (n,da)

