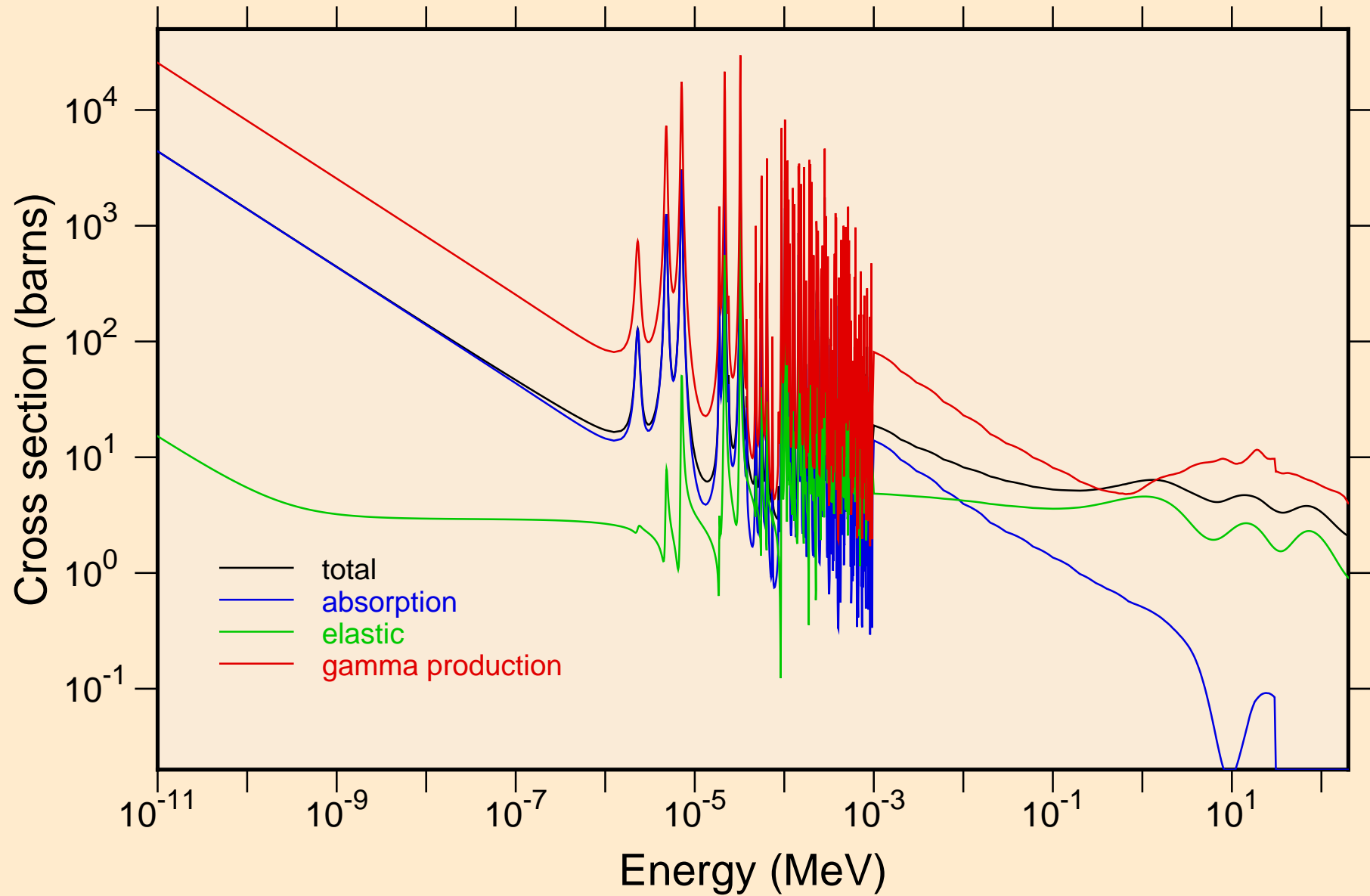
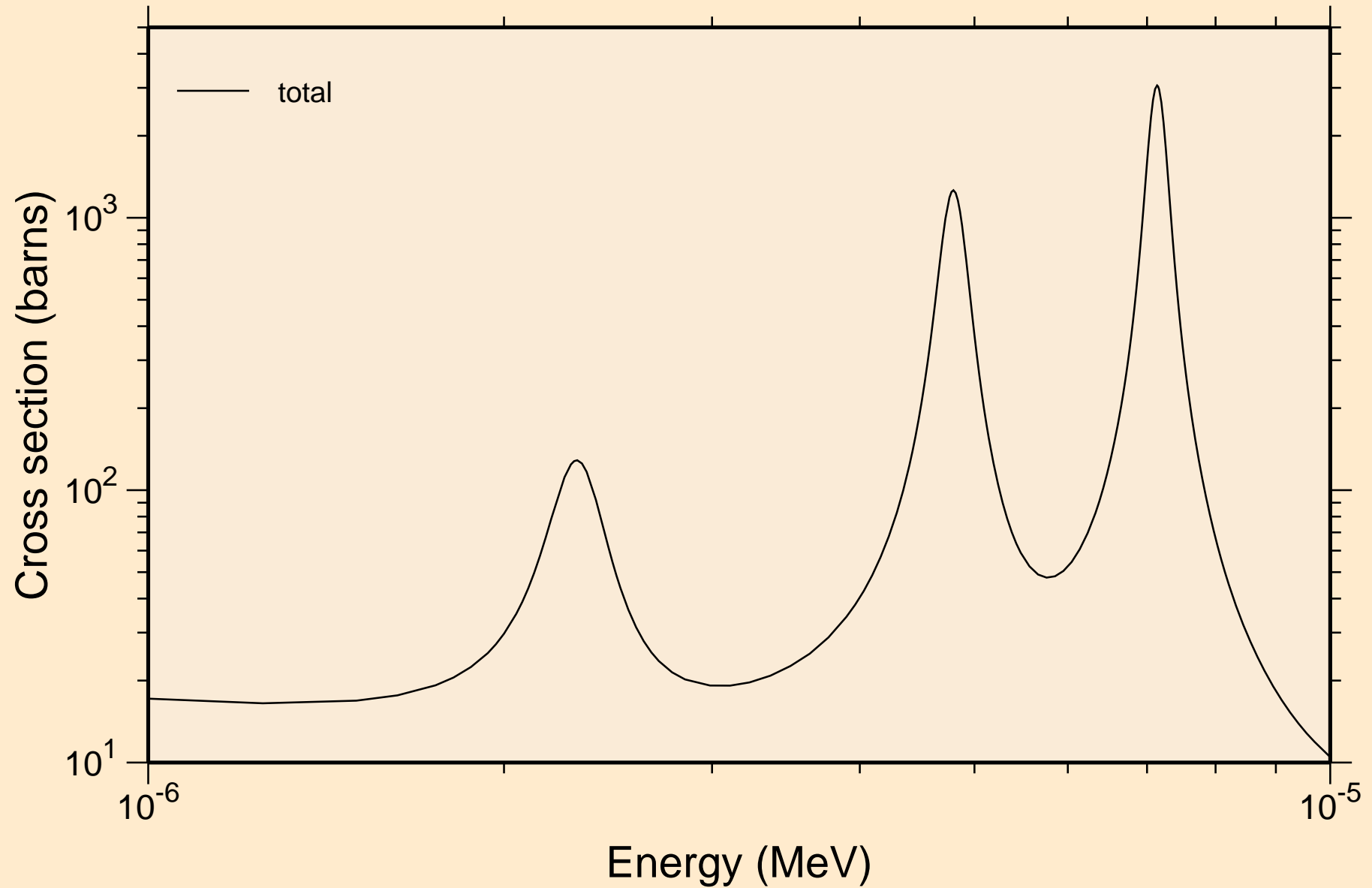


# XE127M NRG TENDL-2015, AKONING

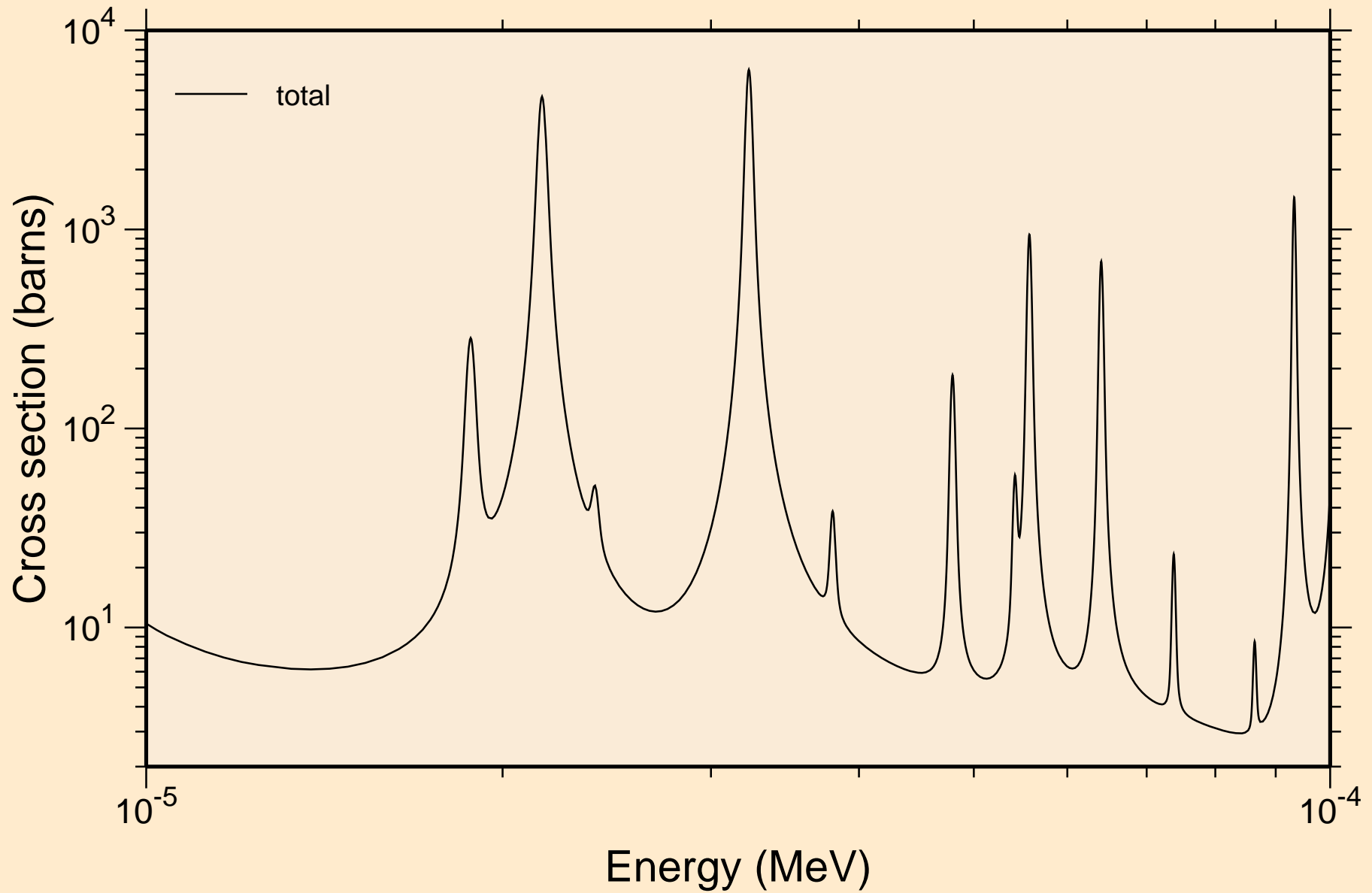
## Principal cross sections



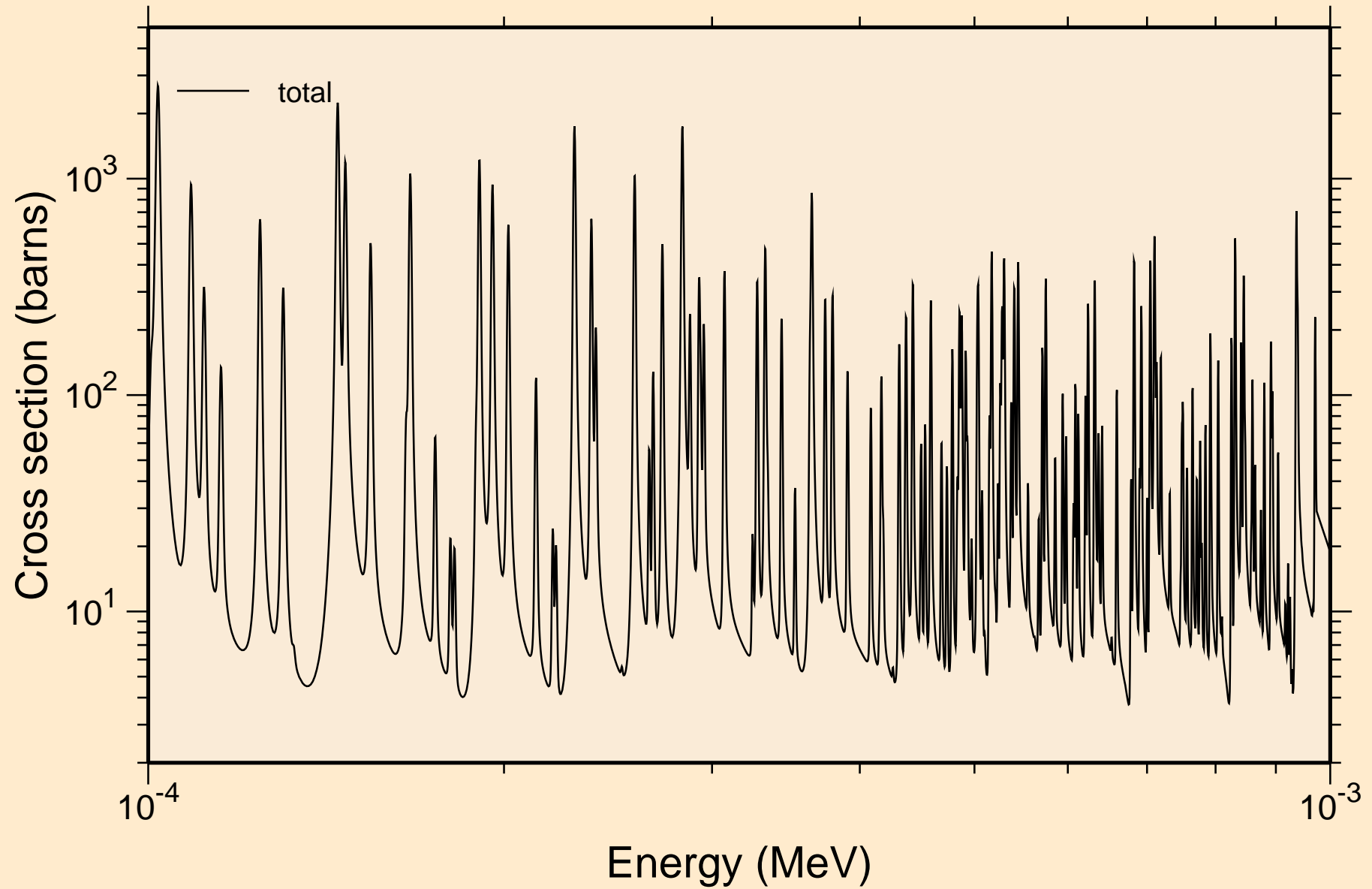
XE127M NRG TENDL-2015, AKONING  
resonance total cross section



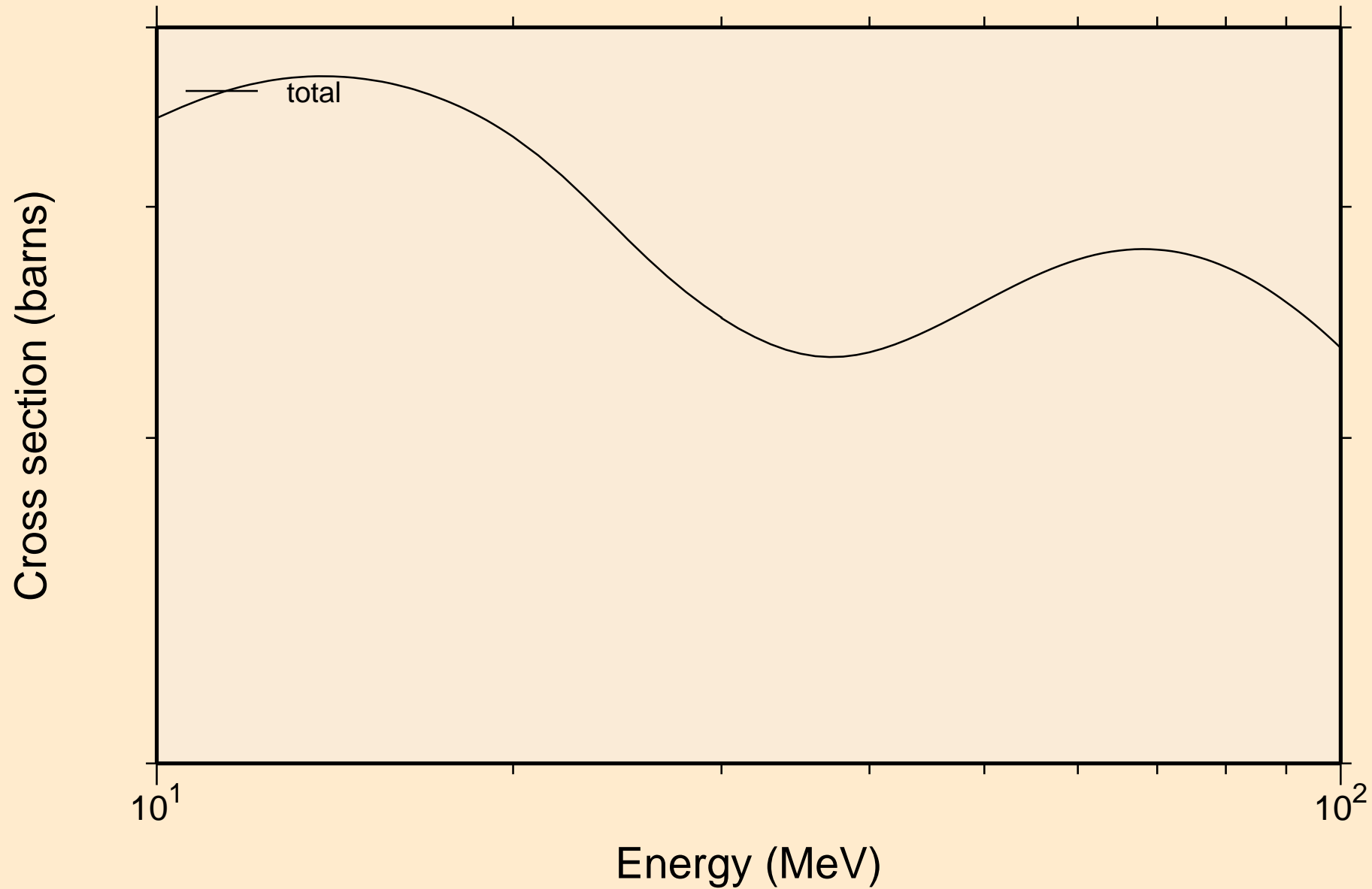
XE127M NRG TENDL-2015, AKONING  
resonance total cross section



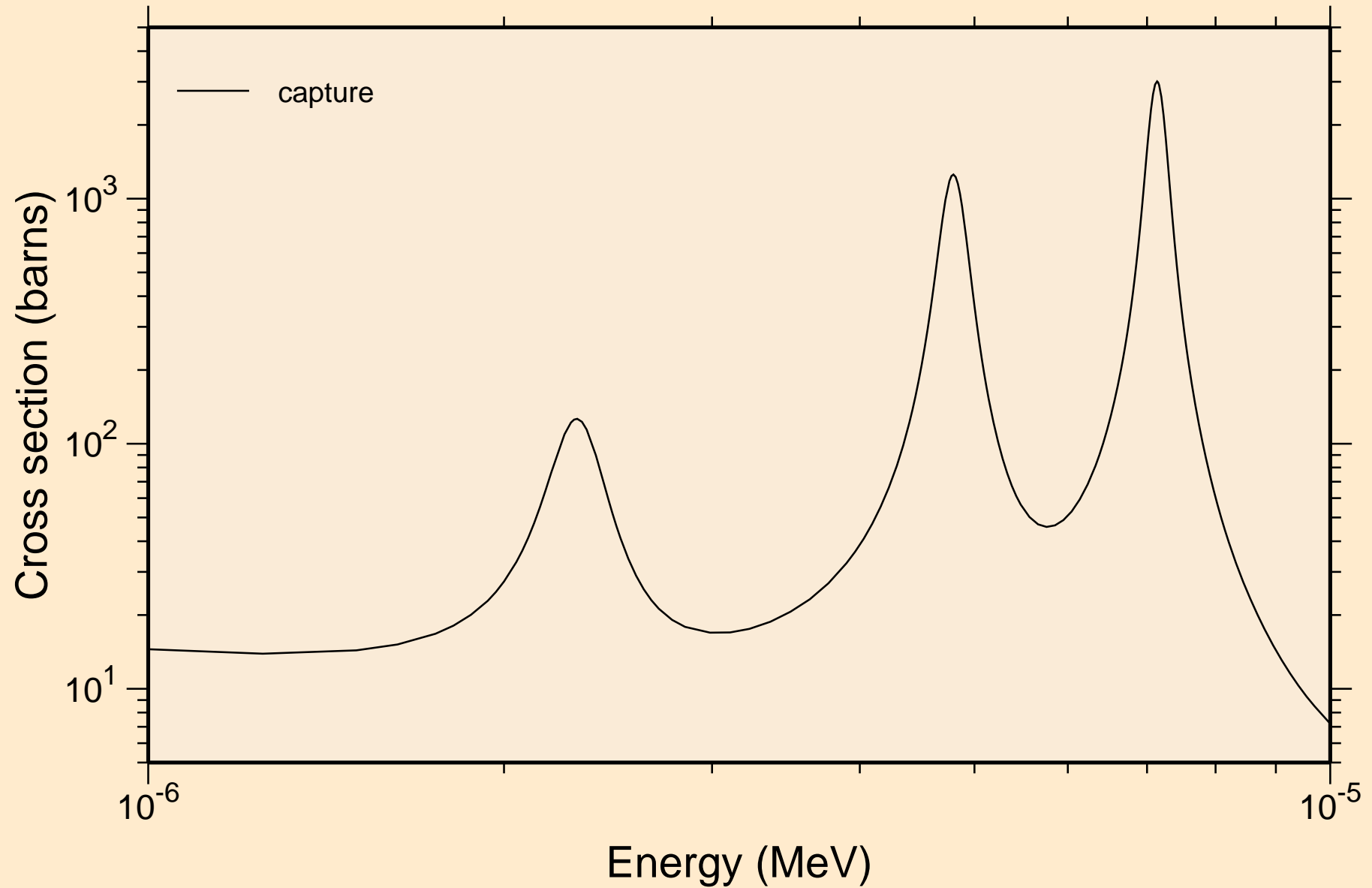
XE127M NRG TENDL-2015, AKONING  
resonance total cross section



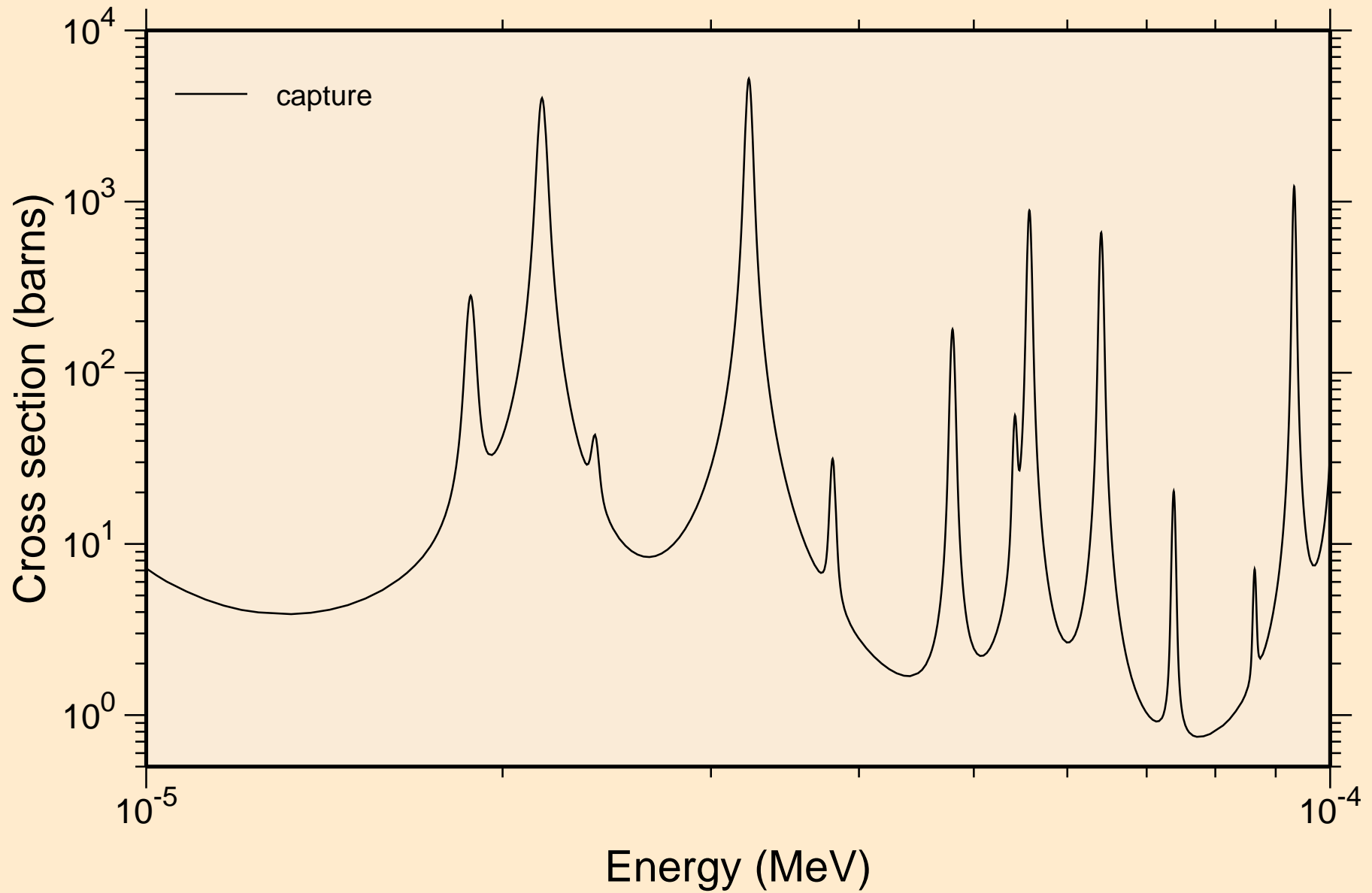
XE127M NRG TENDL-2015, AKONING  
resonance total cross section



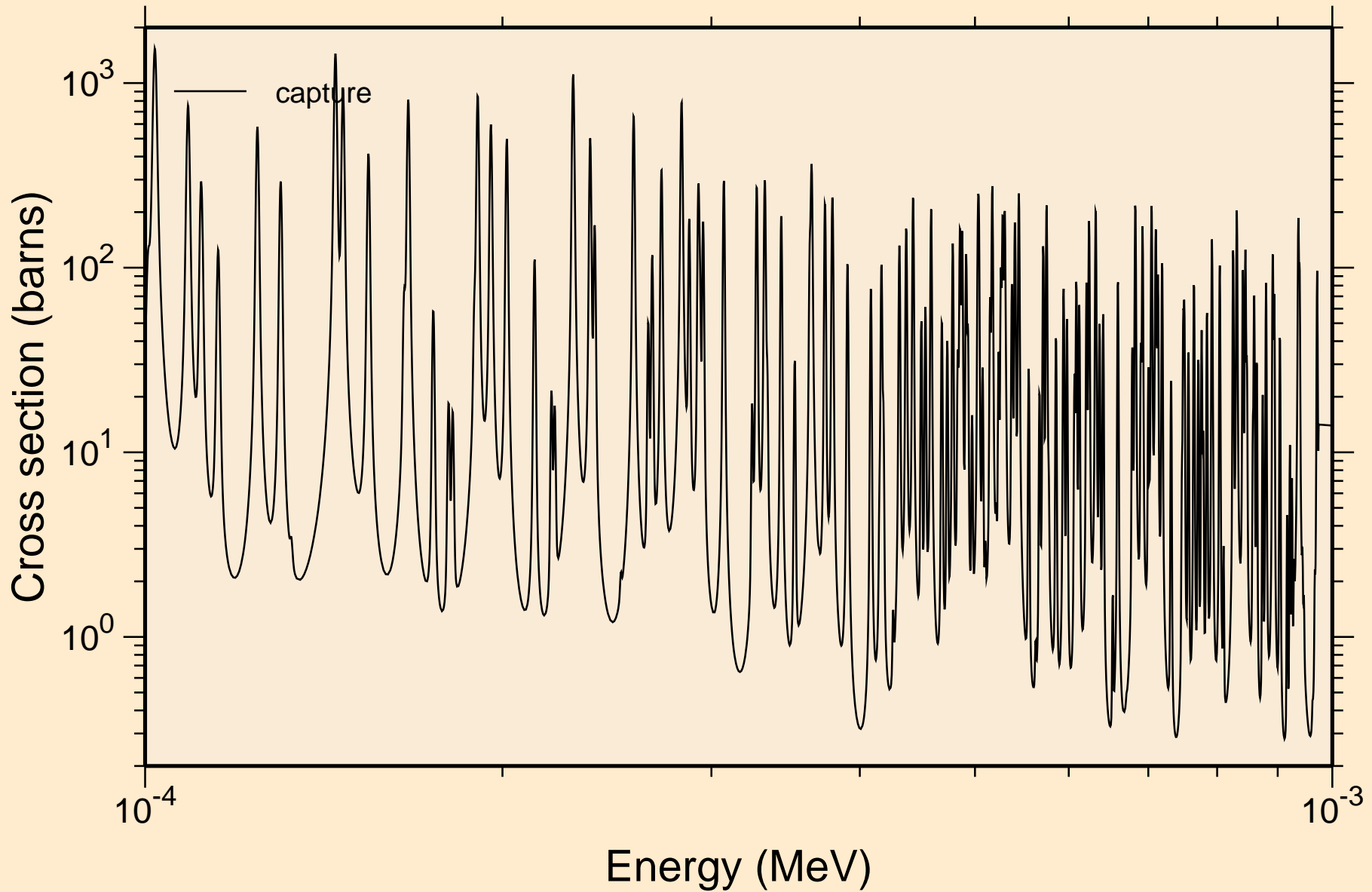
XE127M NRG TENDL-2015, AKONING  
resonance absorption cross sections



XE127M NRG TENDL-2015, AKONING  
resonance absorption cross sections

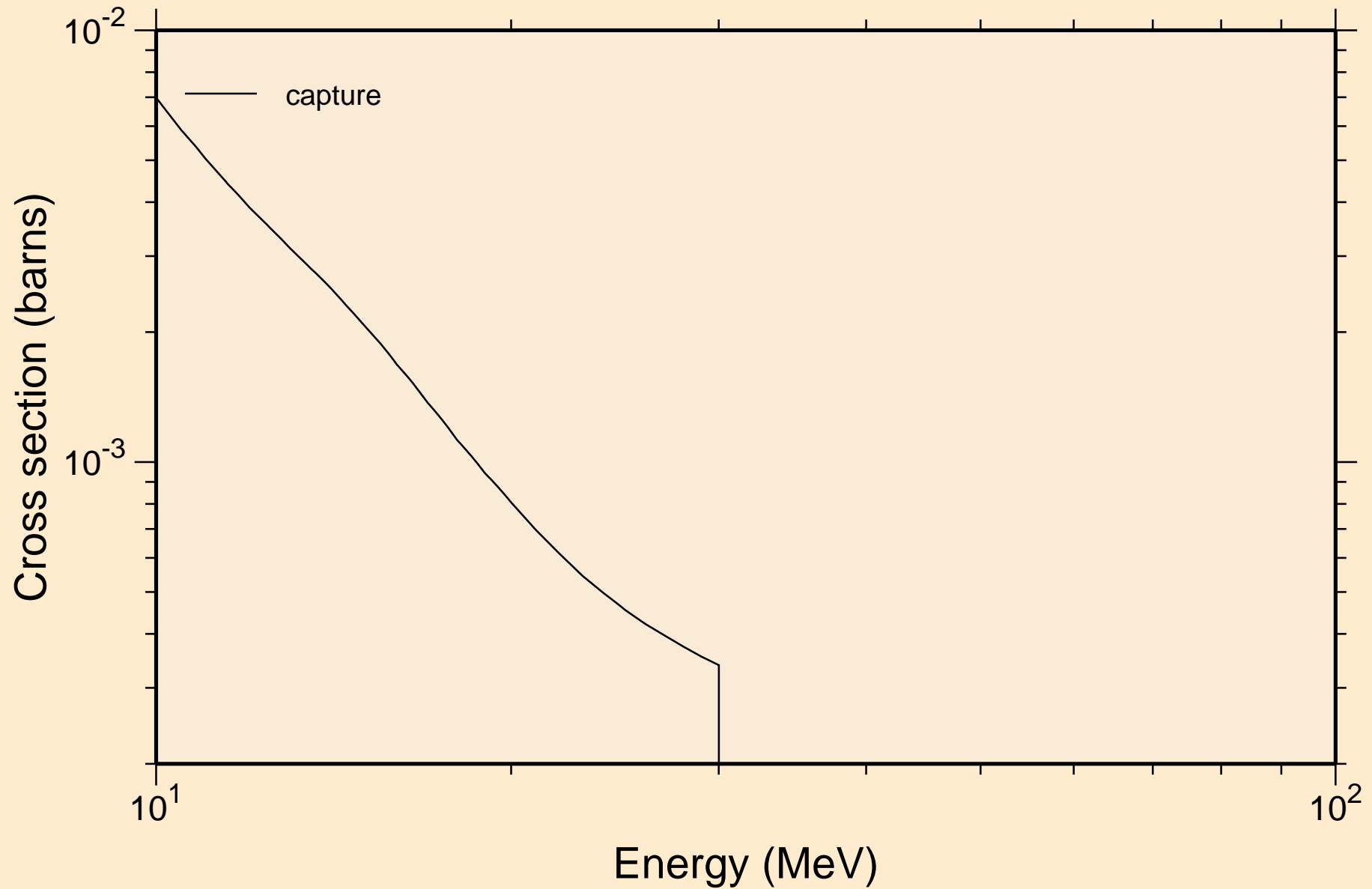


XE127M NRG TENDL-2015, AKONING  
resonance absorption cross sections



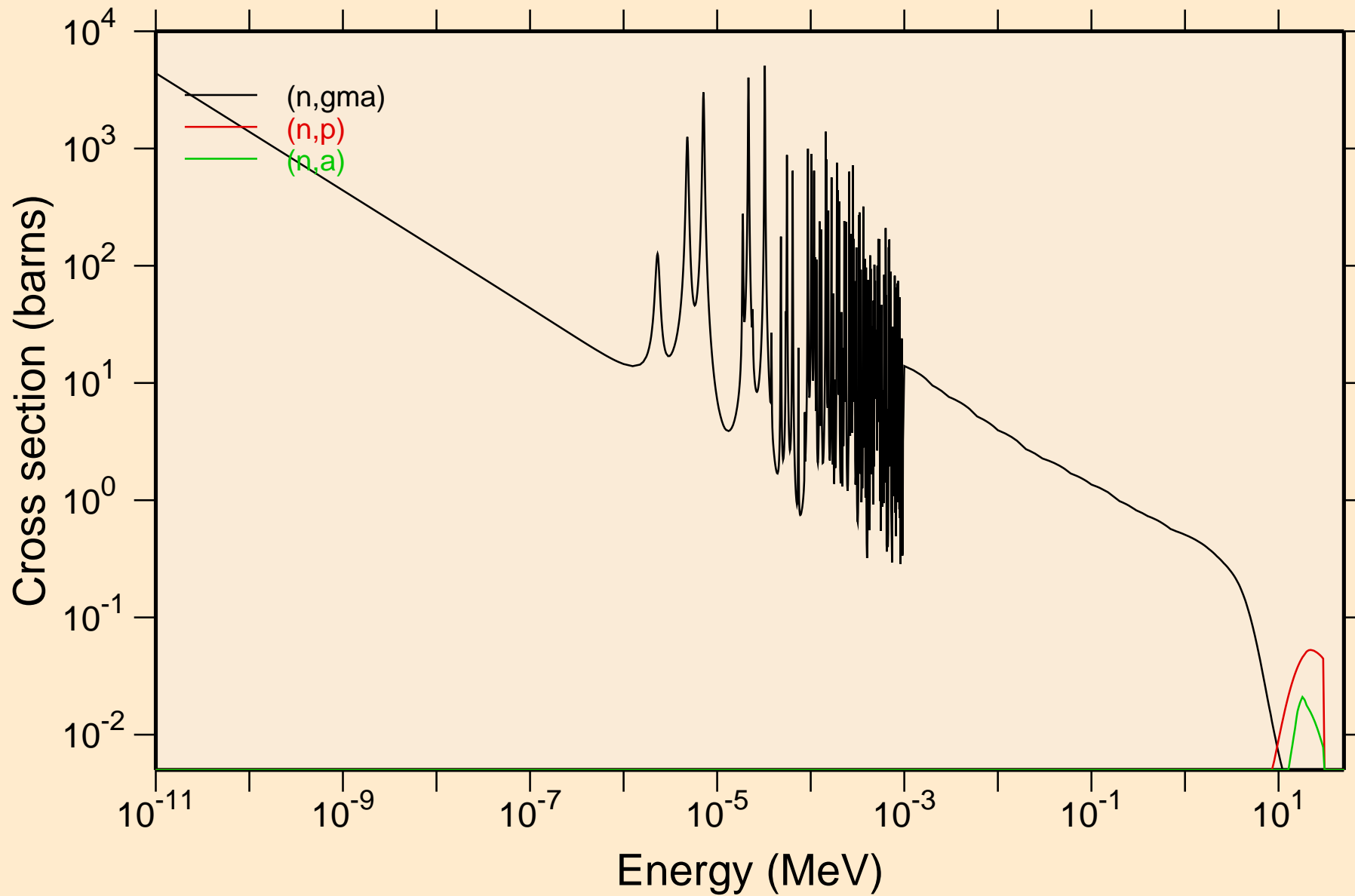


XE127M NRG TENDL-2015, AKONING  
resonance absorption cross sections



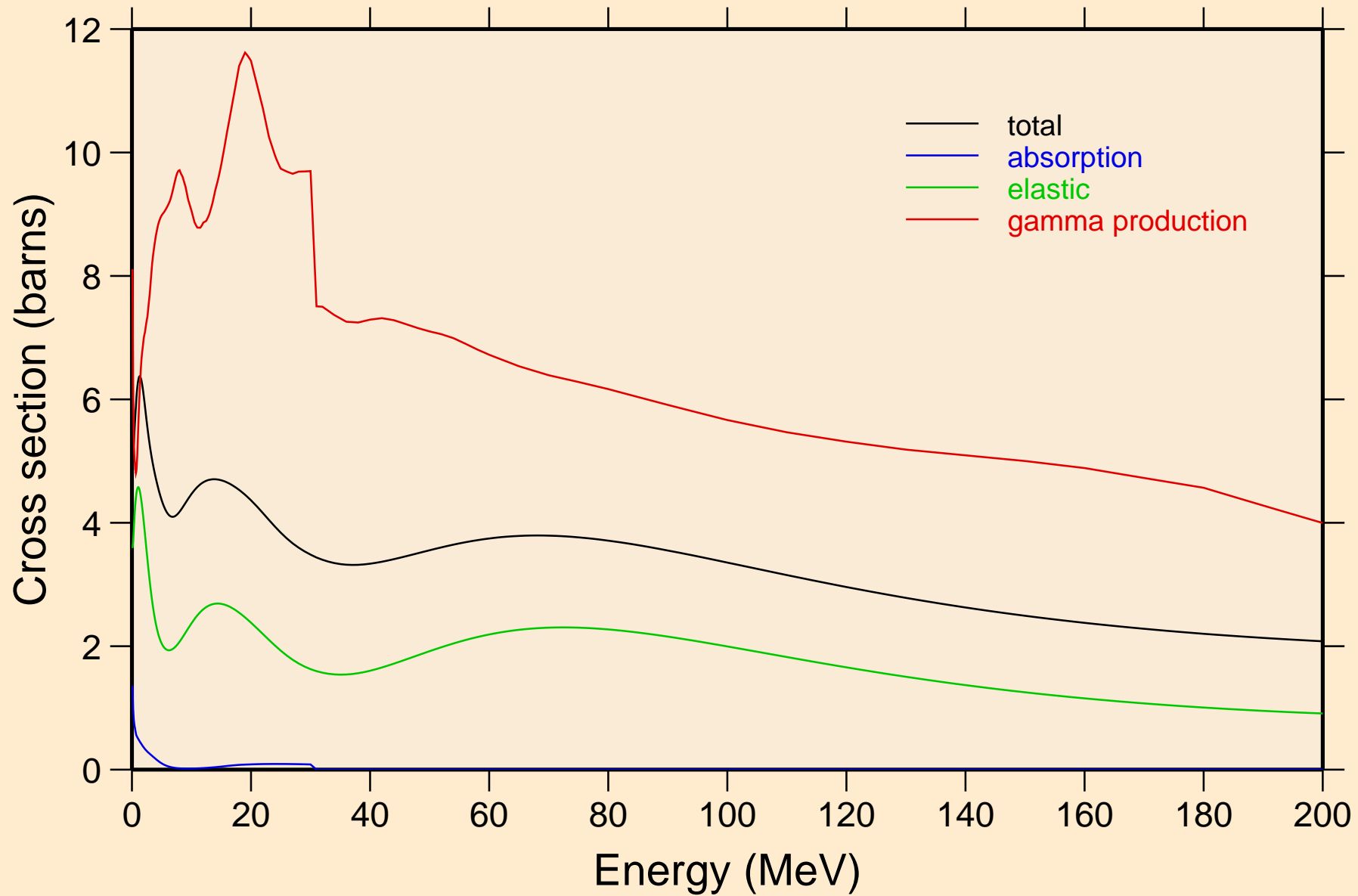
# XE127M NRG TENDL-2015, AKONING

## Non-threshold reactions



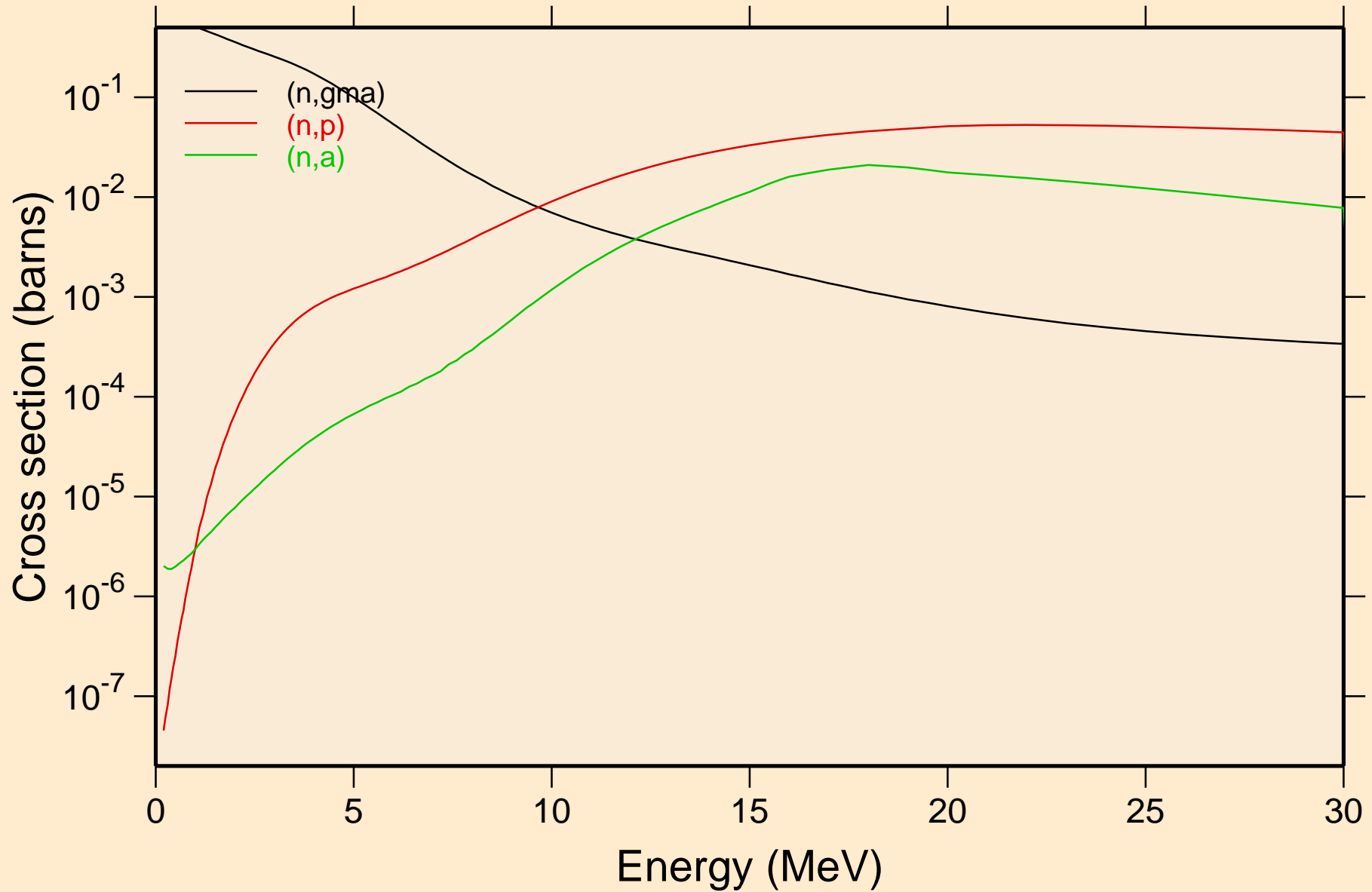
# XE127M NRG TENDL-2015, AKONING

## Principal cross sections



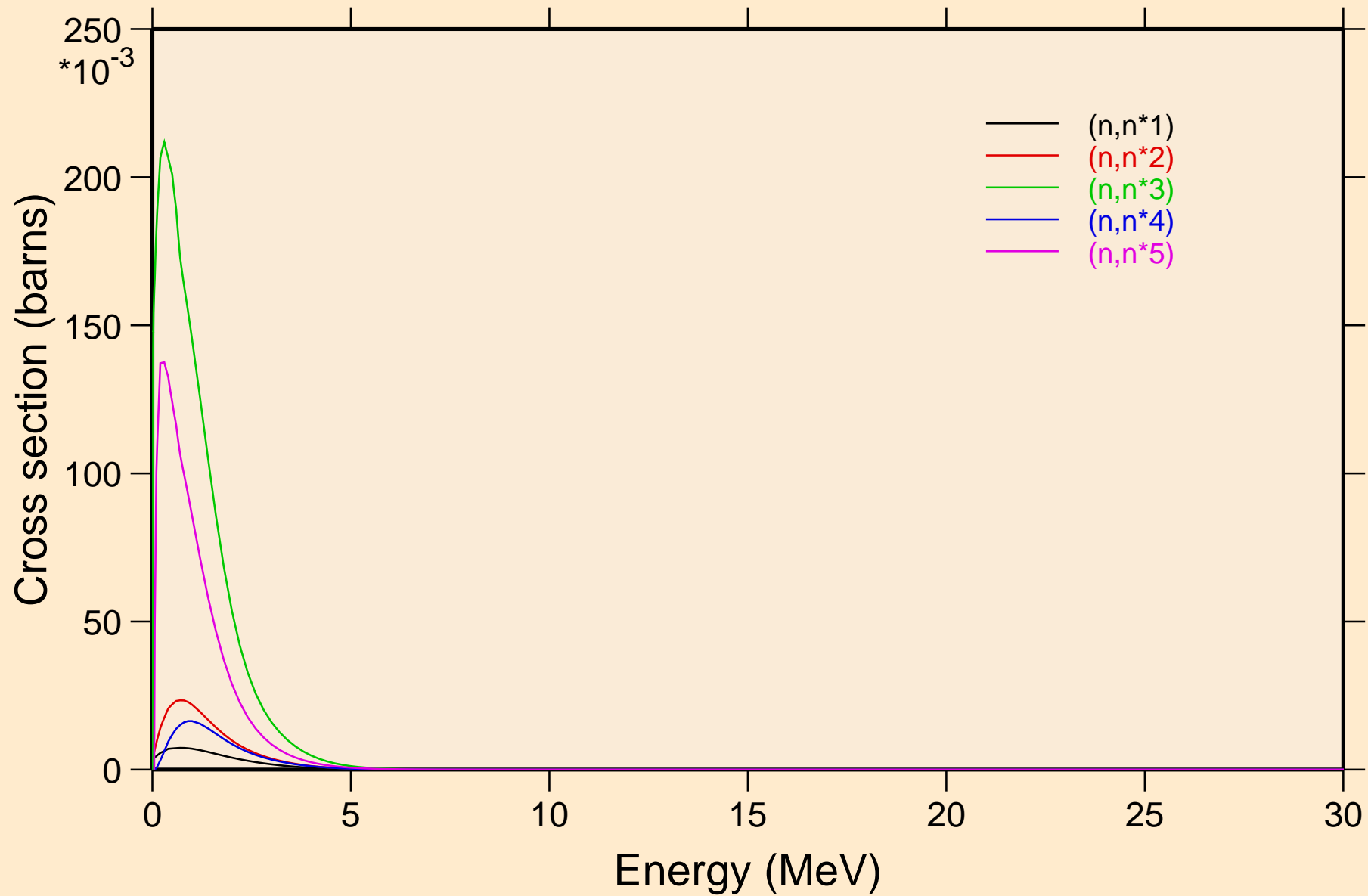
# XE127M NRG TENDL-2015, AKONING

## Non-threshold reactions



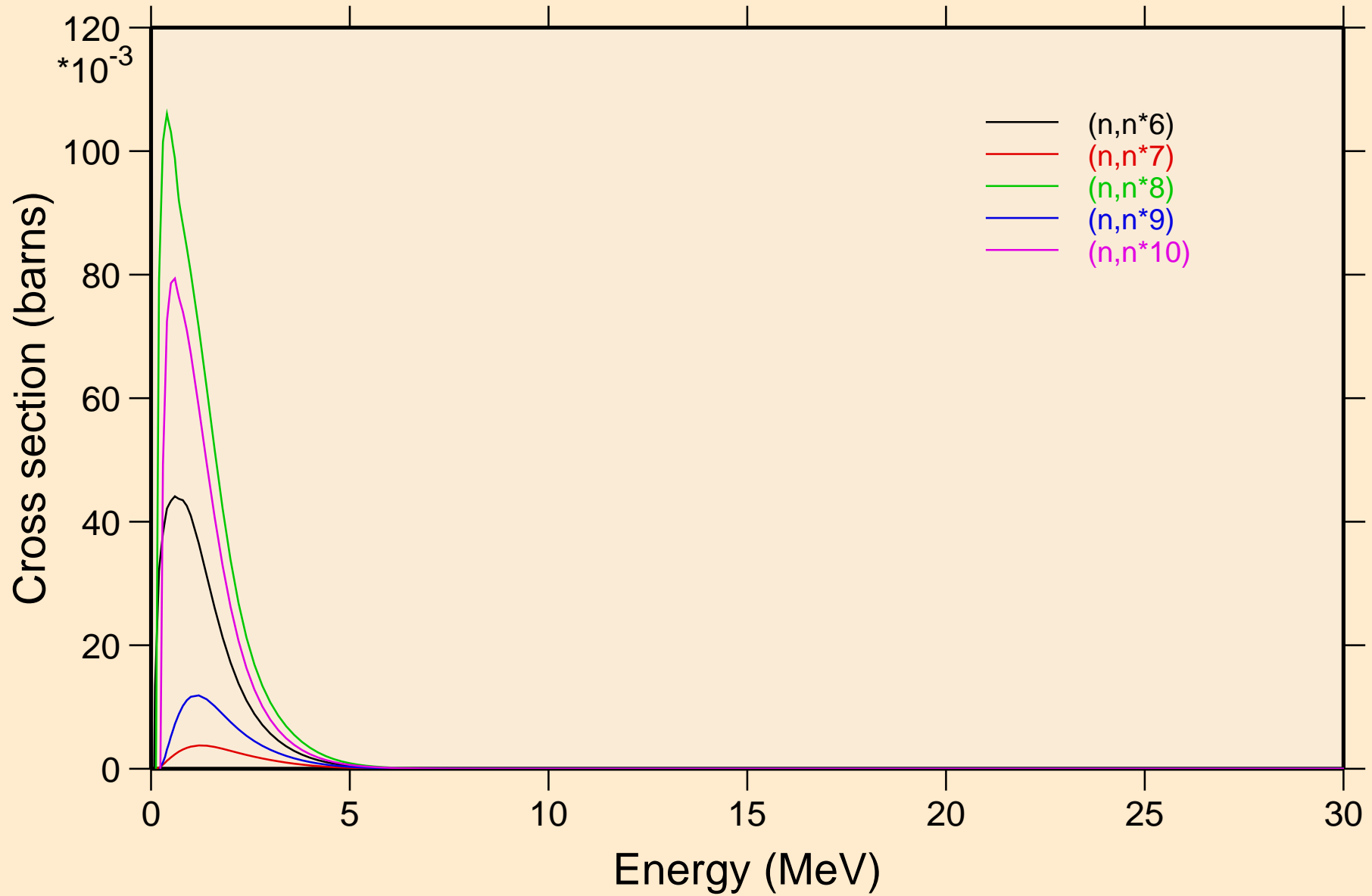
# XE127M NRG TENDL-2015, AKONING

## Inelastic levels



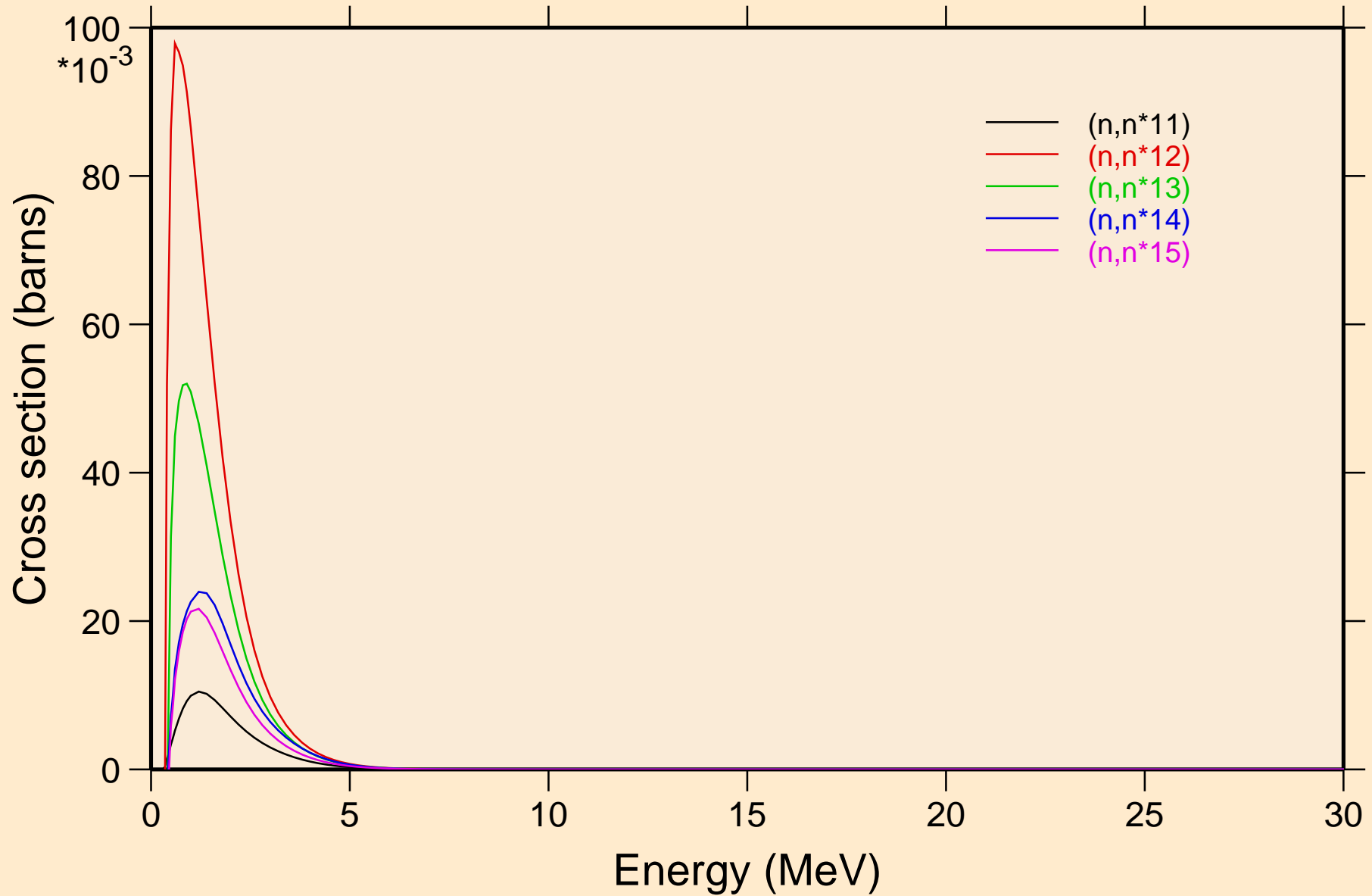
# XE127M NRG TENDL-2015, AKONING

## Inelastic levels



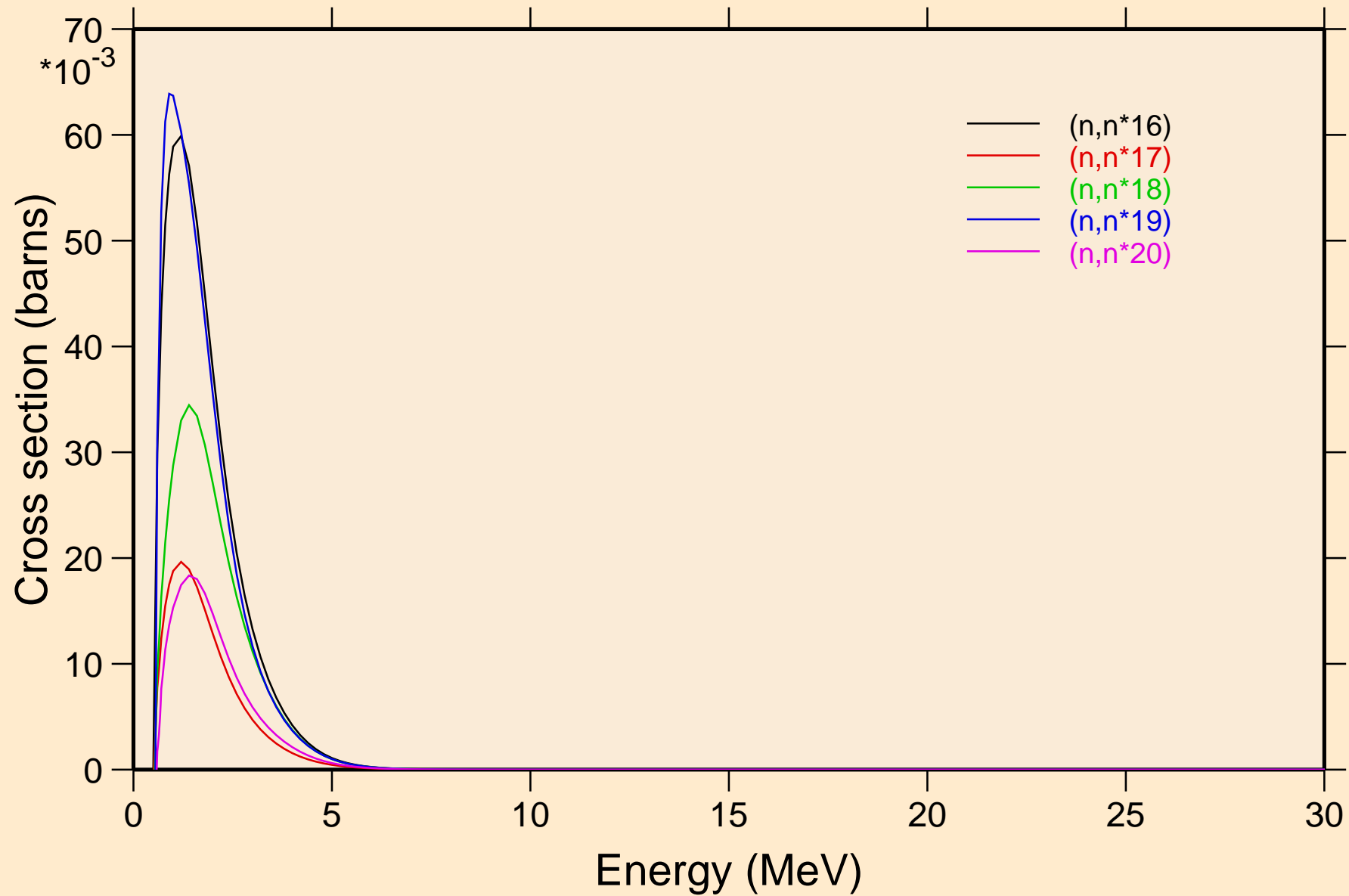
# XE127M NRG TENDL-2015, AKONING

## Inelastic levels



# XE127M NRG TENDL-2015, AKONING

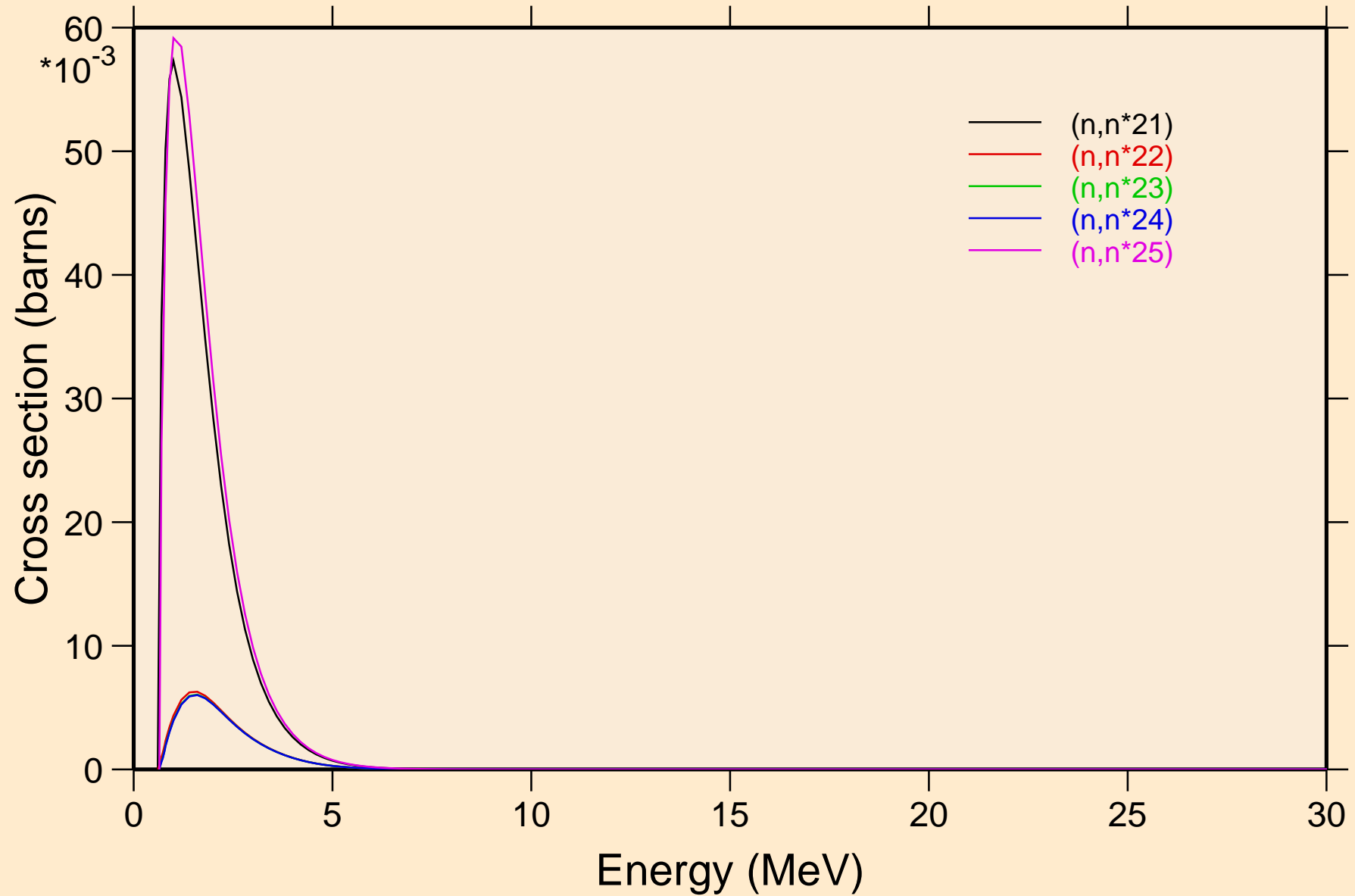
## Inelastic levels





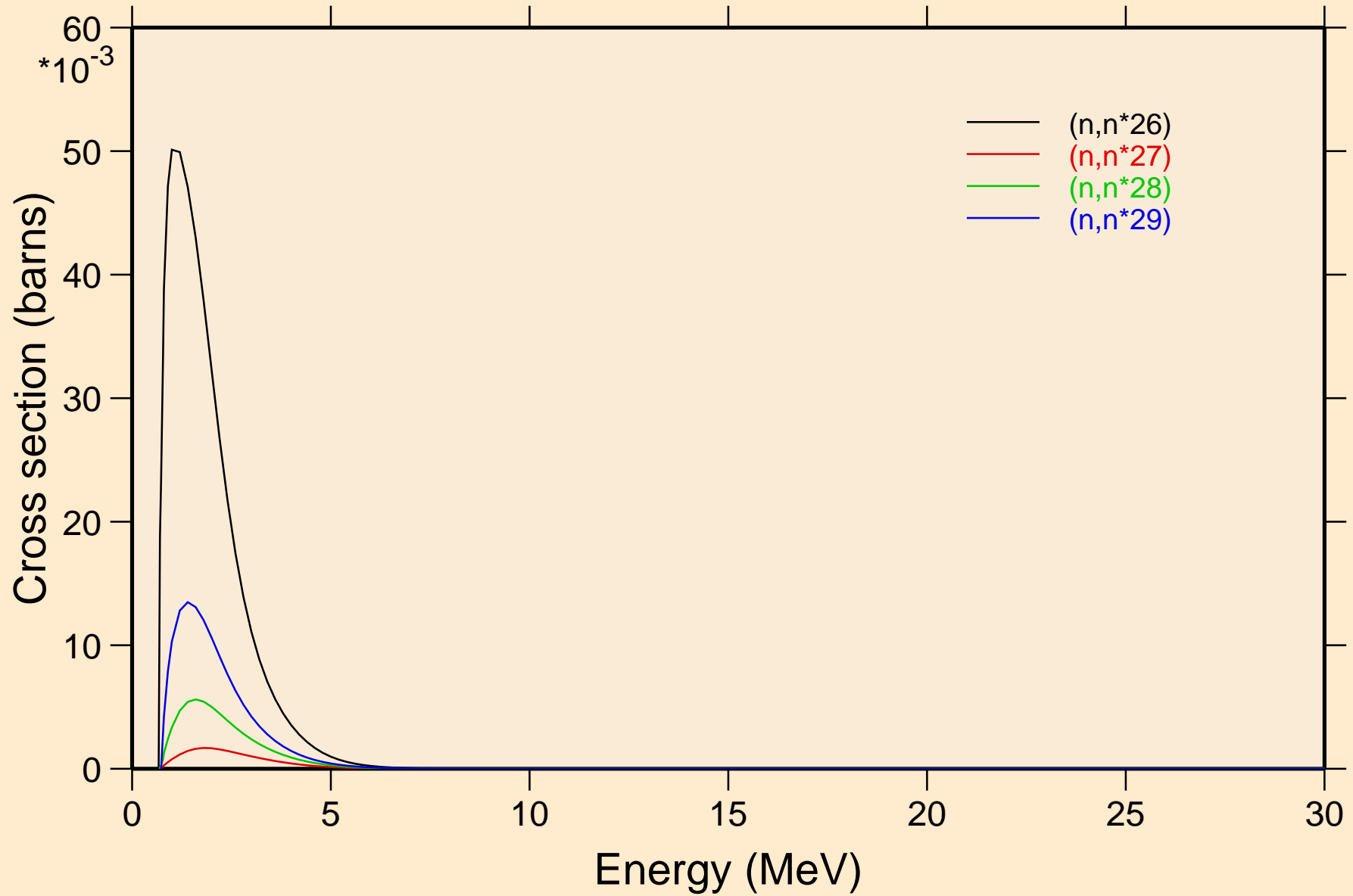
# XE127M NRG TENDL-2015, AKONING

## Inelastic levels



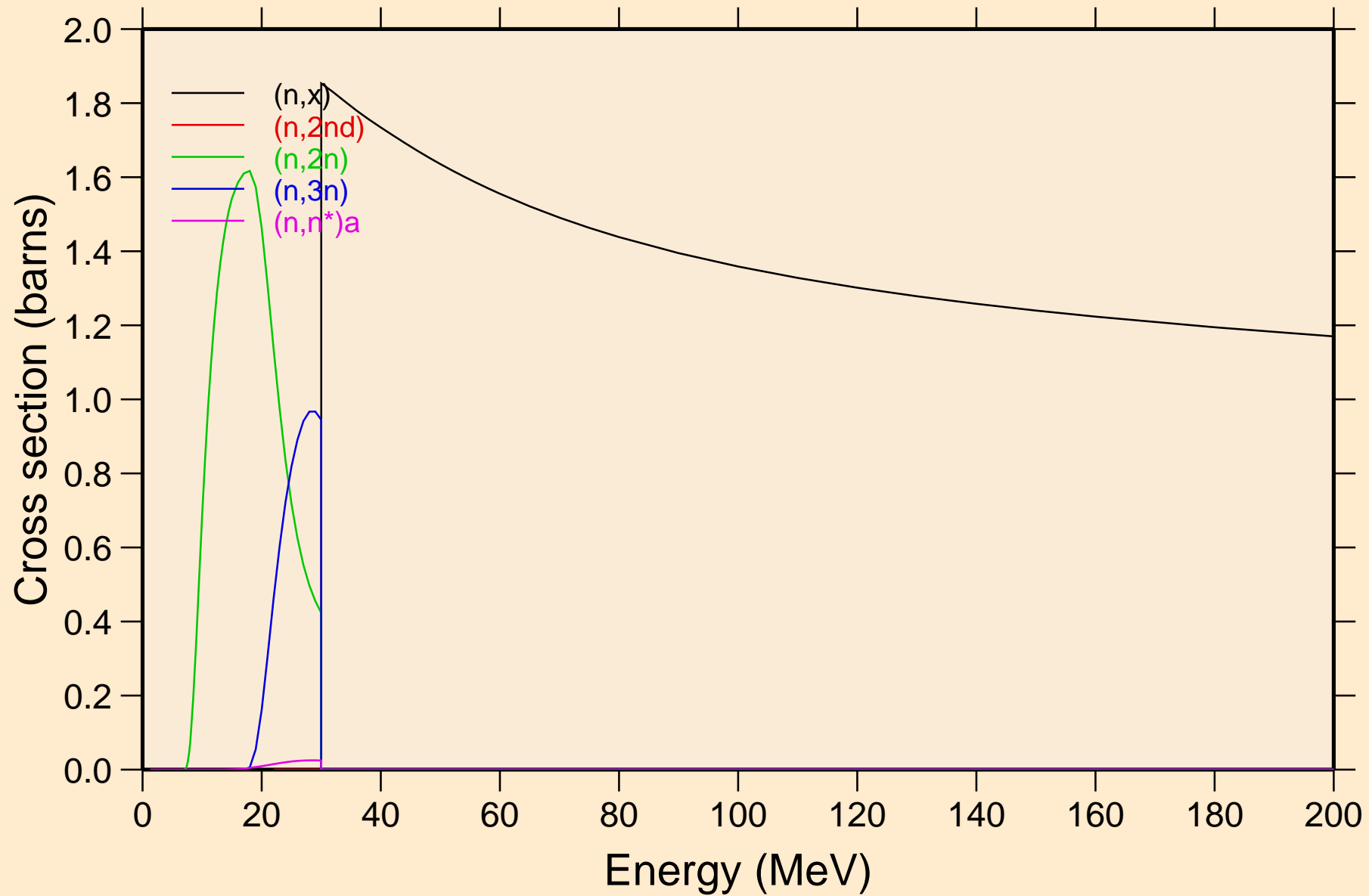
# XE127M NRG TENDL-2015, AKONING

## Inelastic levels



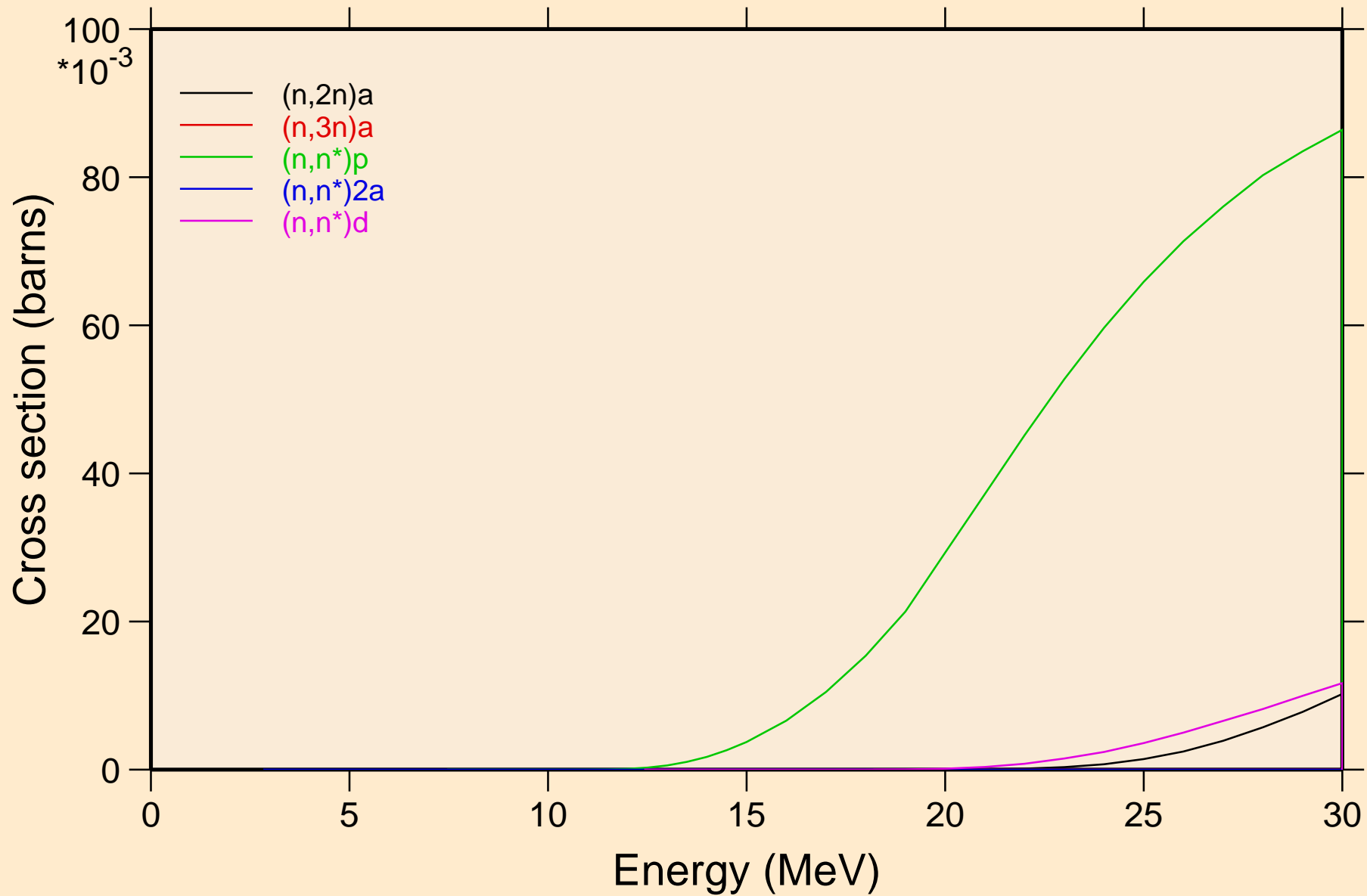
# XE127M NRG TENDL-2015, AKONING

## Threshold reactions



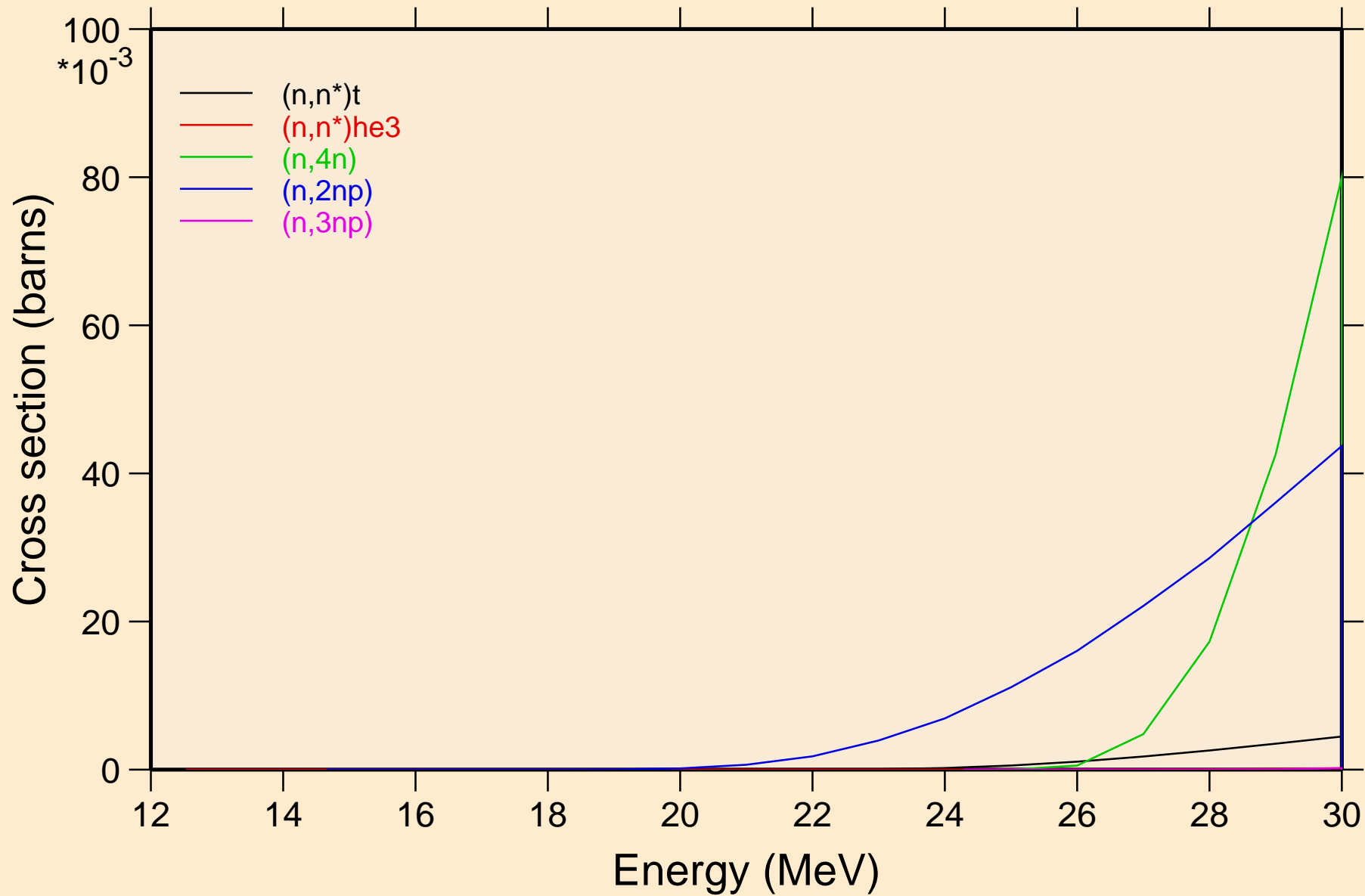
# XE127M NRG TENDL-2015, AKONING

## Threshold reactions



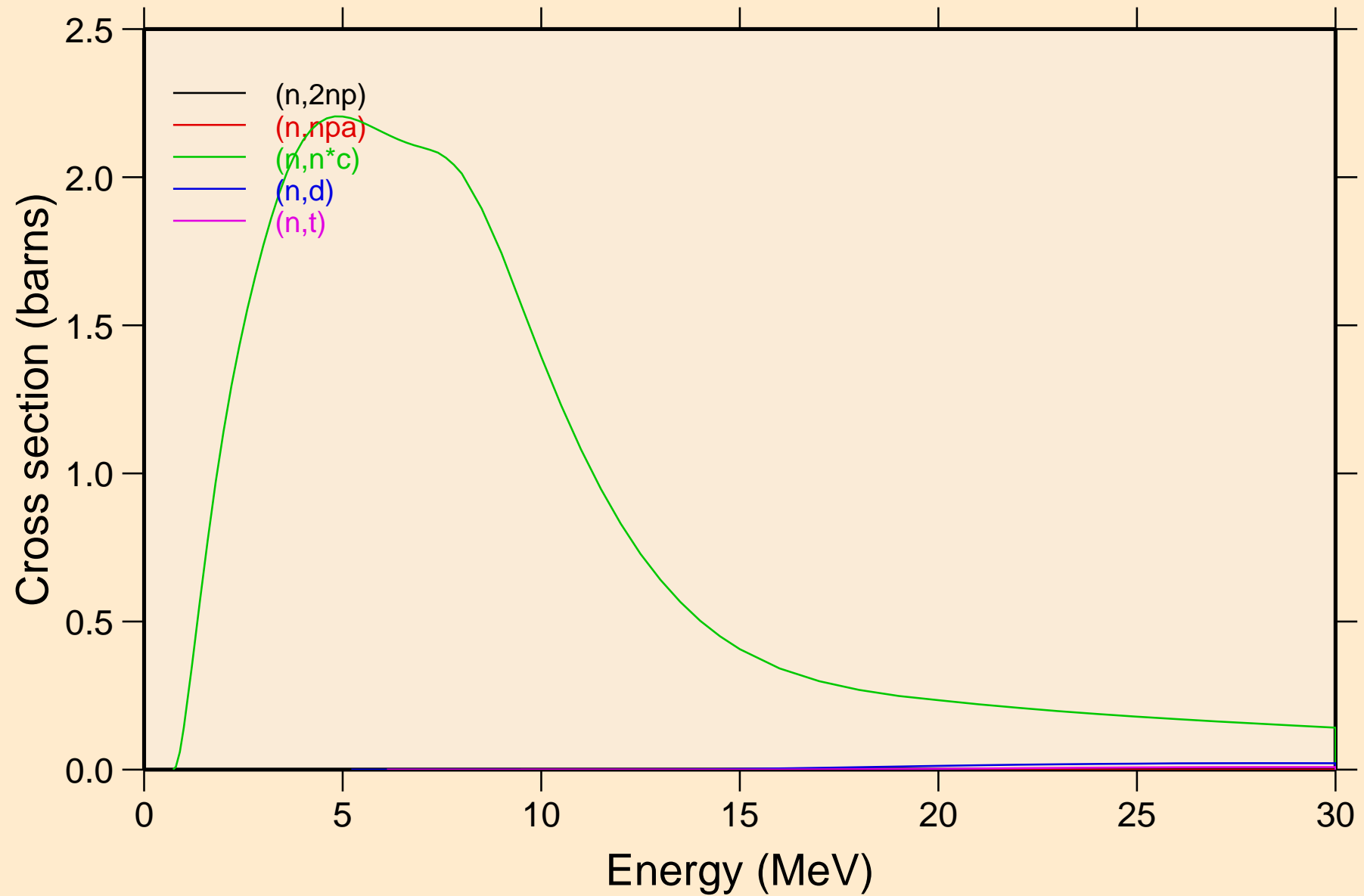
# XE127M NRG TENDL-2015, AKONING

## Threshold reactions



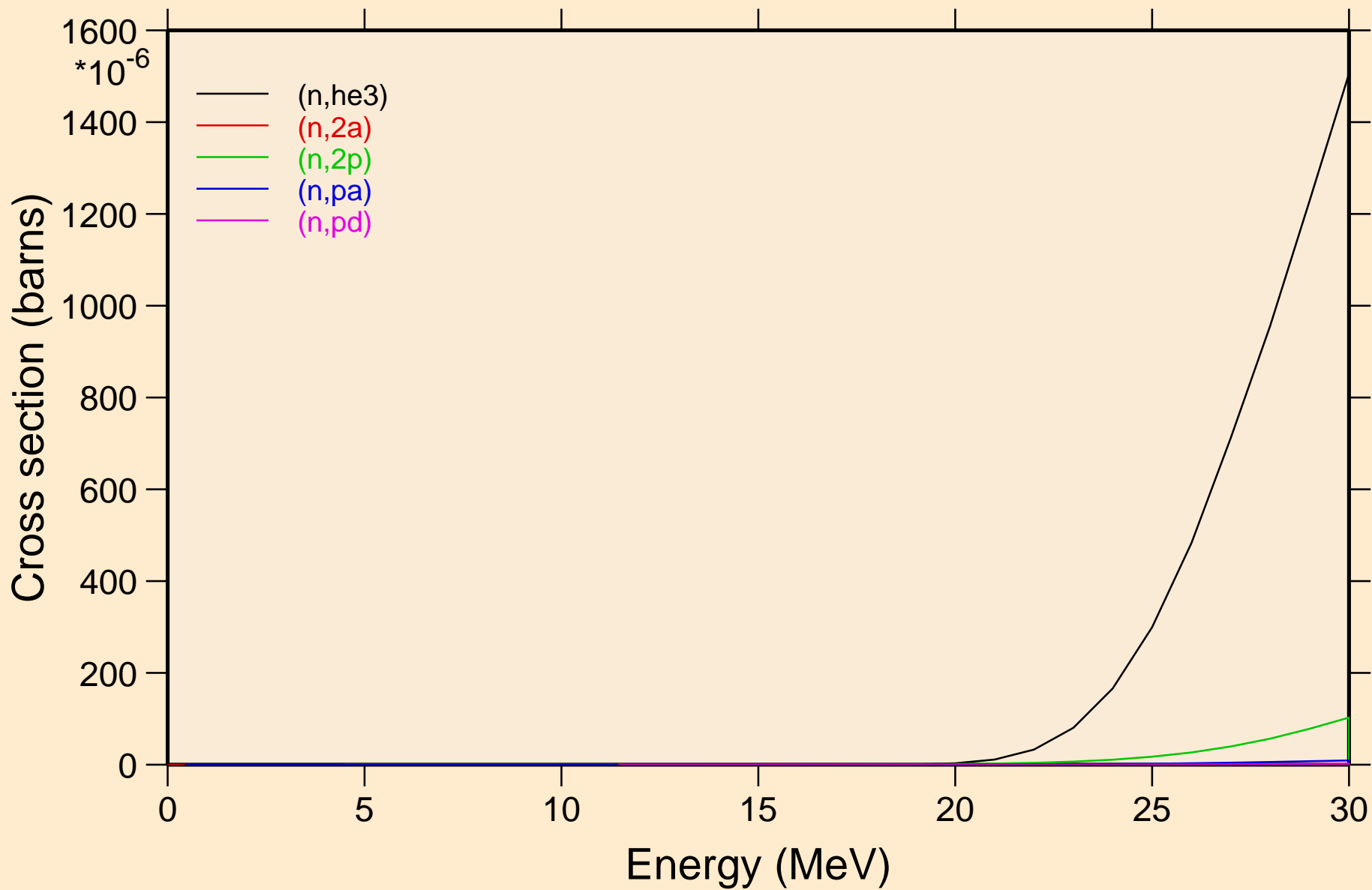
# XE127M NRG TENDL-2015, AKONING

## Threshold reactions



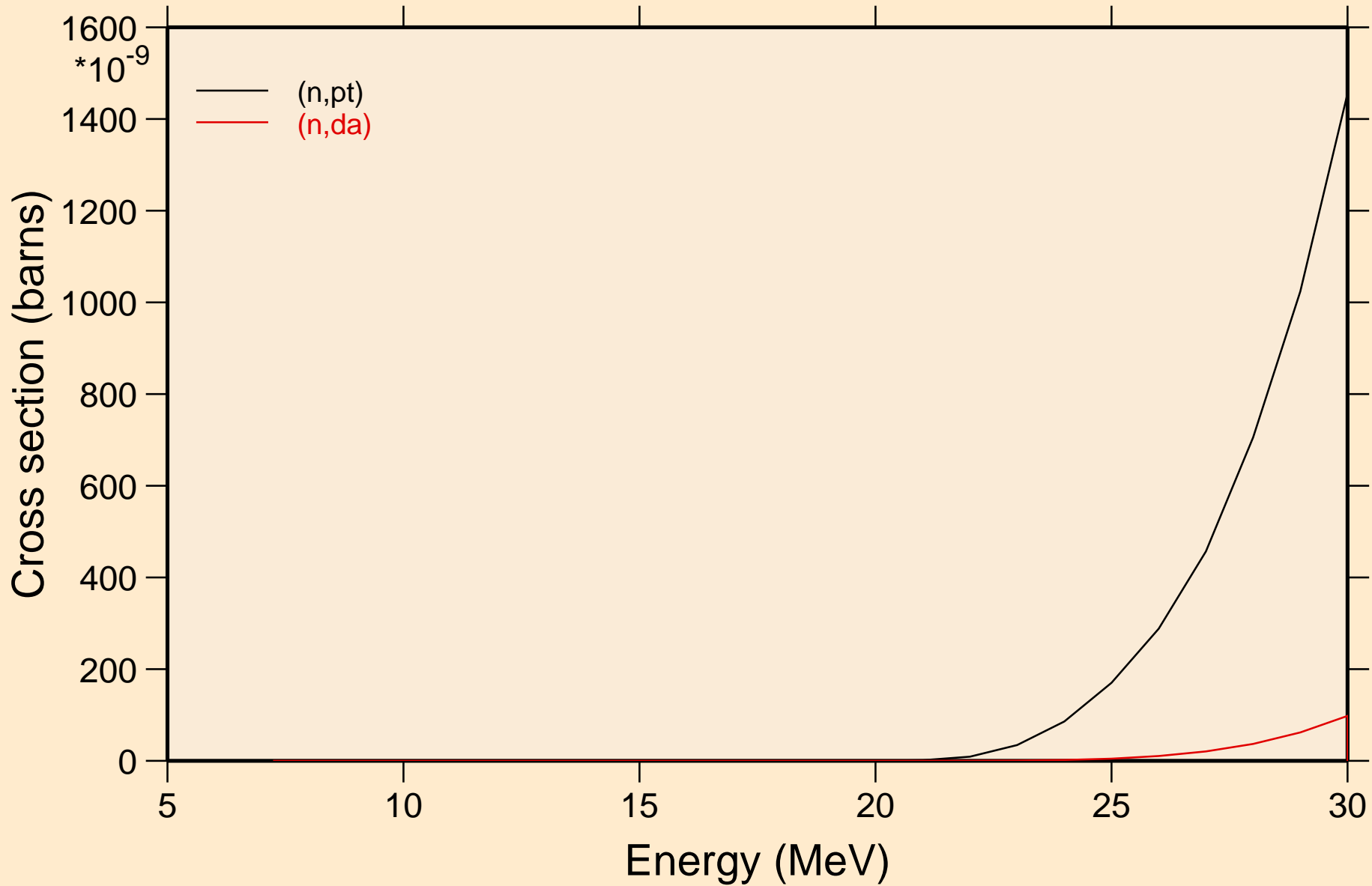
# XE127M NRG TENDL-2015, AKONING

## Threshold reactions



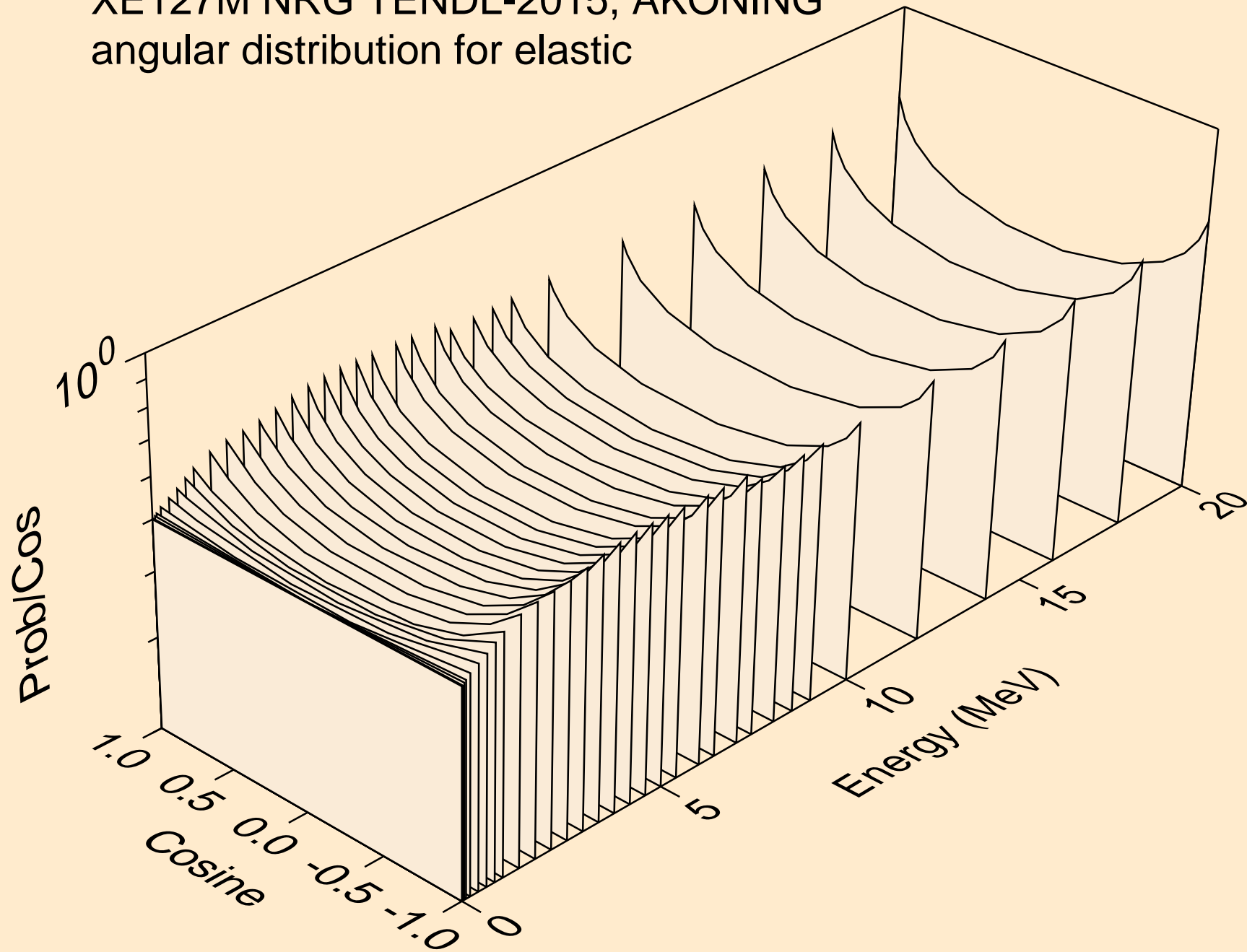
# XE127M NRG TENDL-2015, AKONING

## Threshold reactions

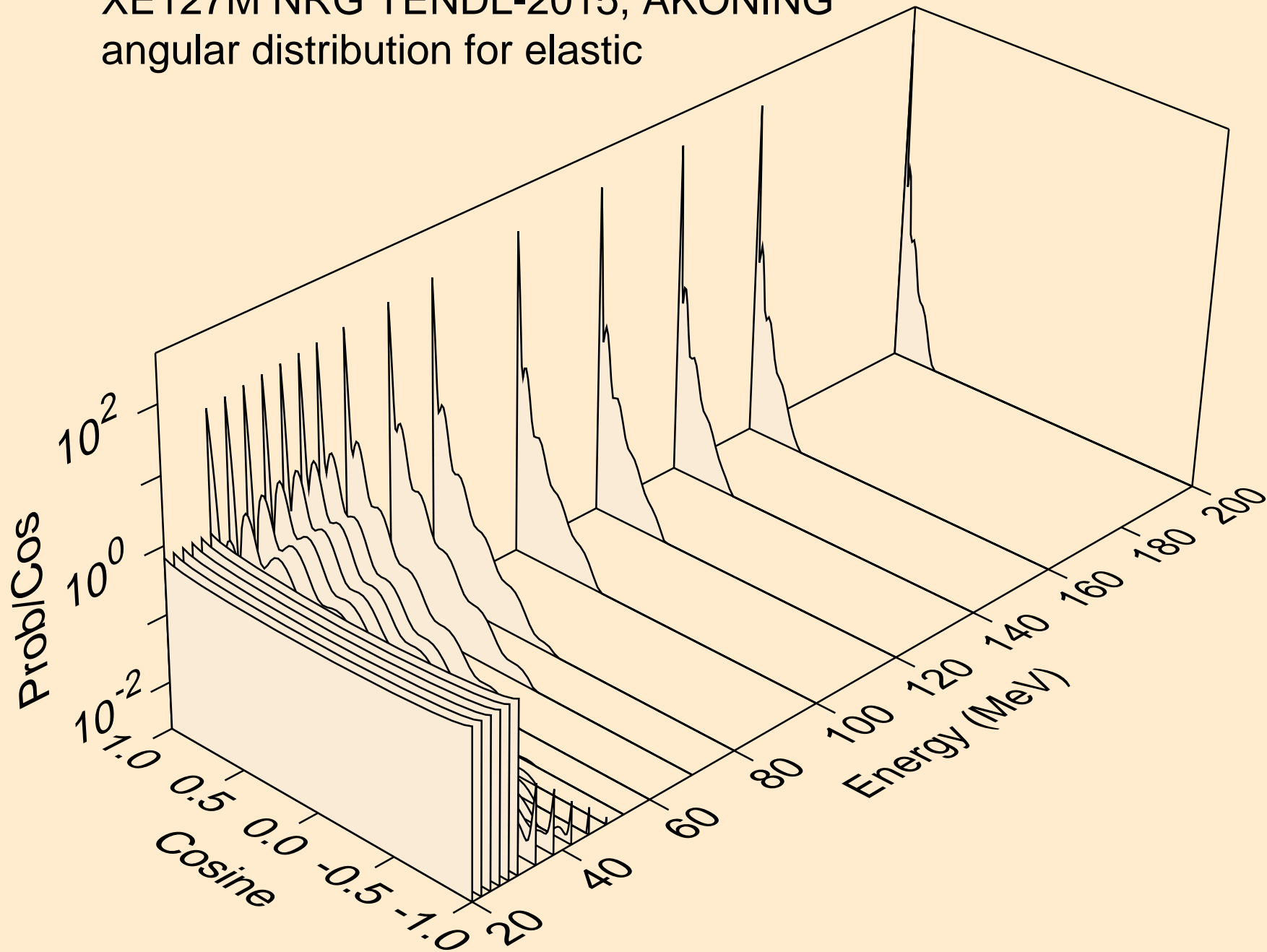




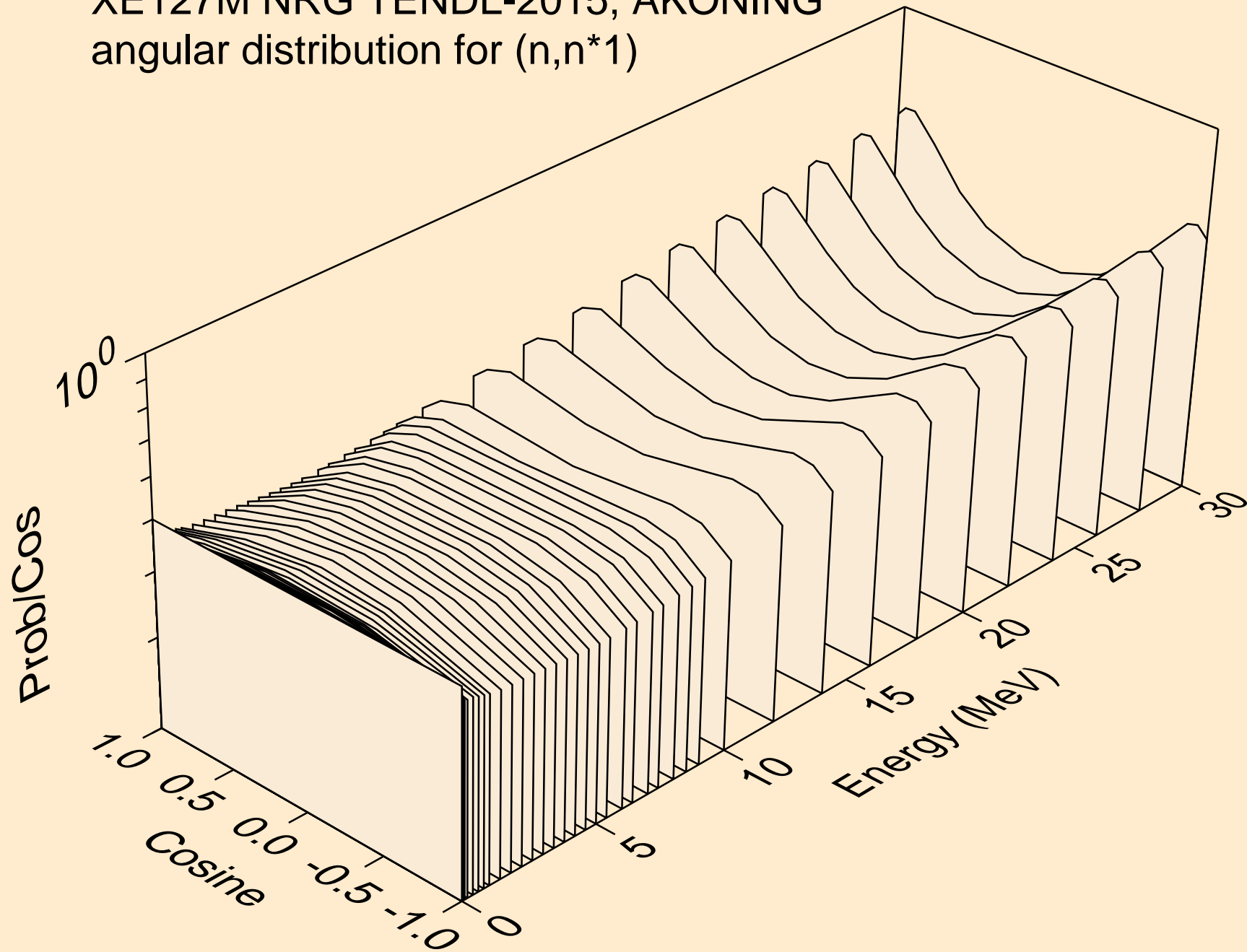
XE127M NRG TENDL-2015, AKONING  
angular distribution for elastic



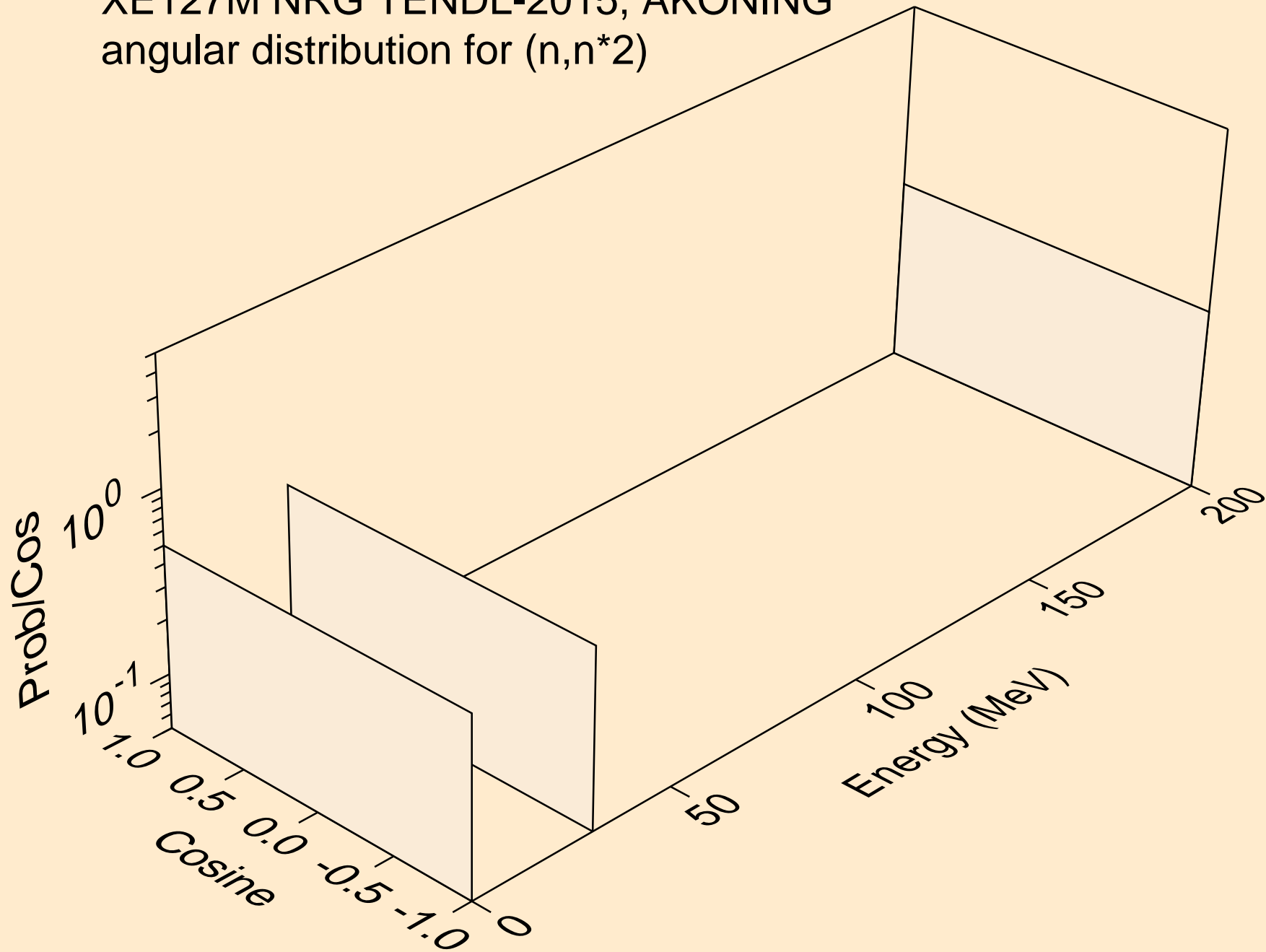
XE127M NRG TENDL-2015, AKONING  
angular distribution for elastic



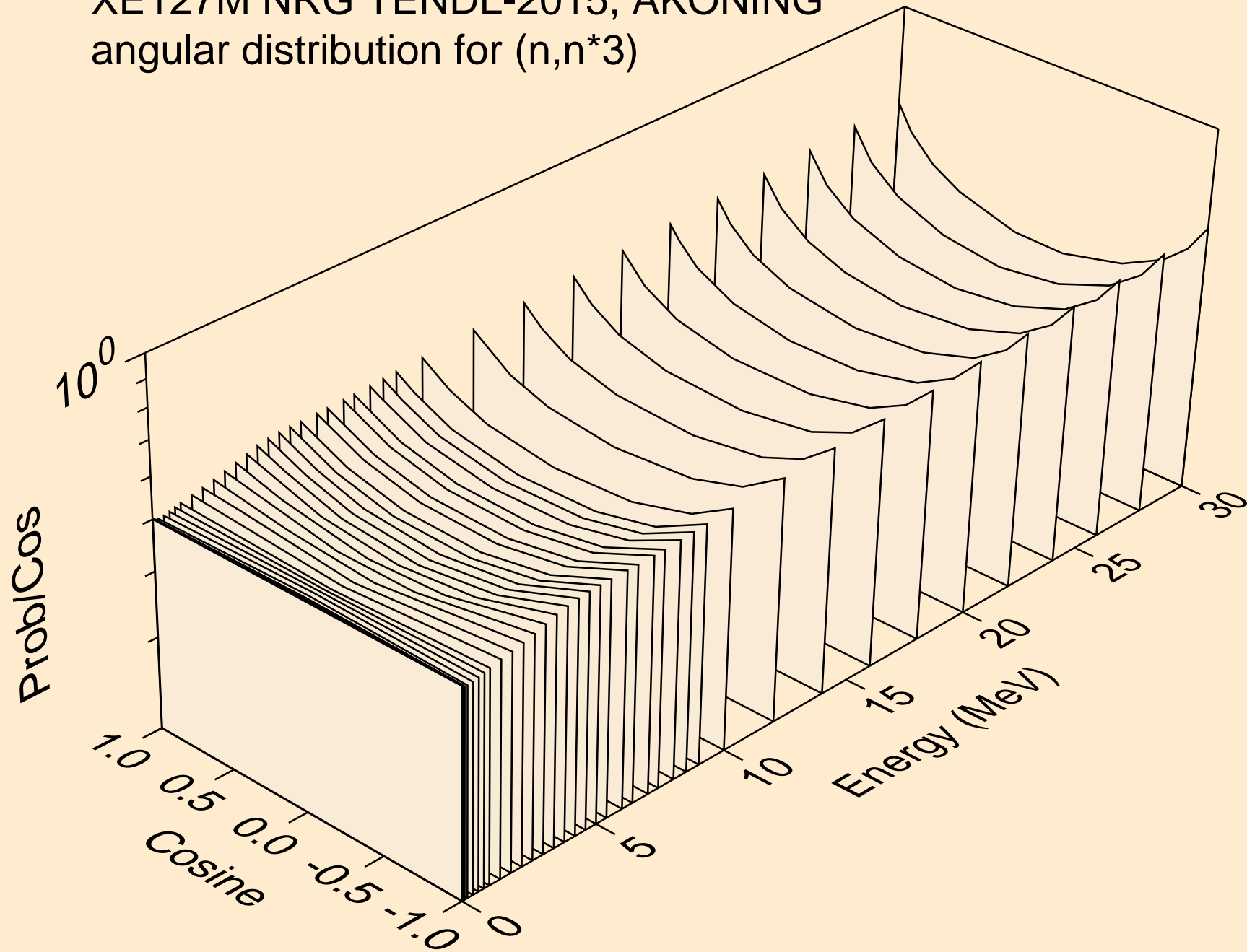
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



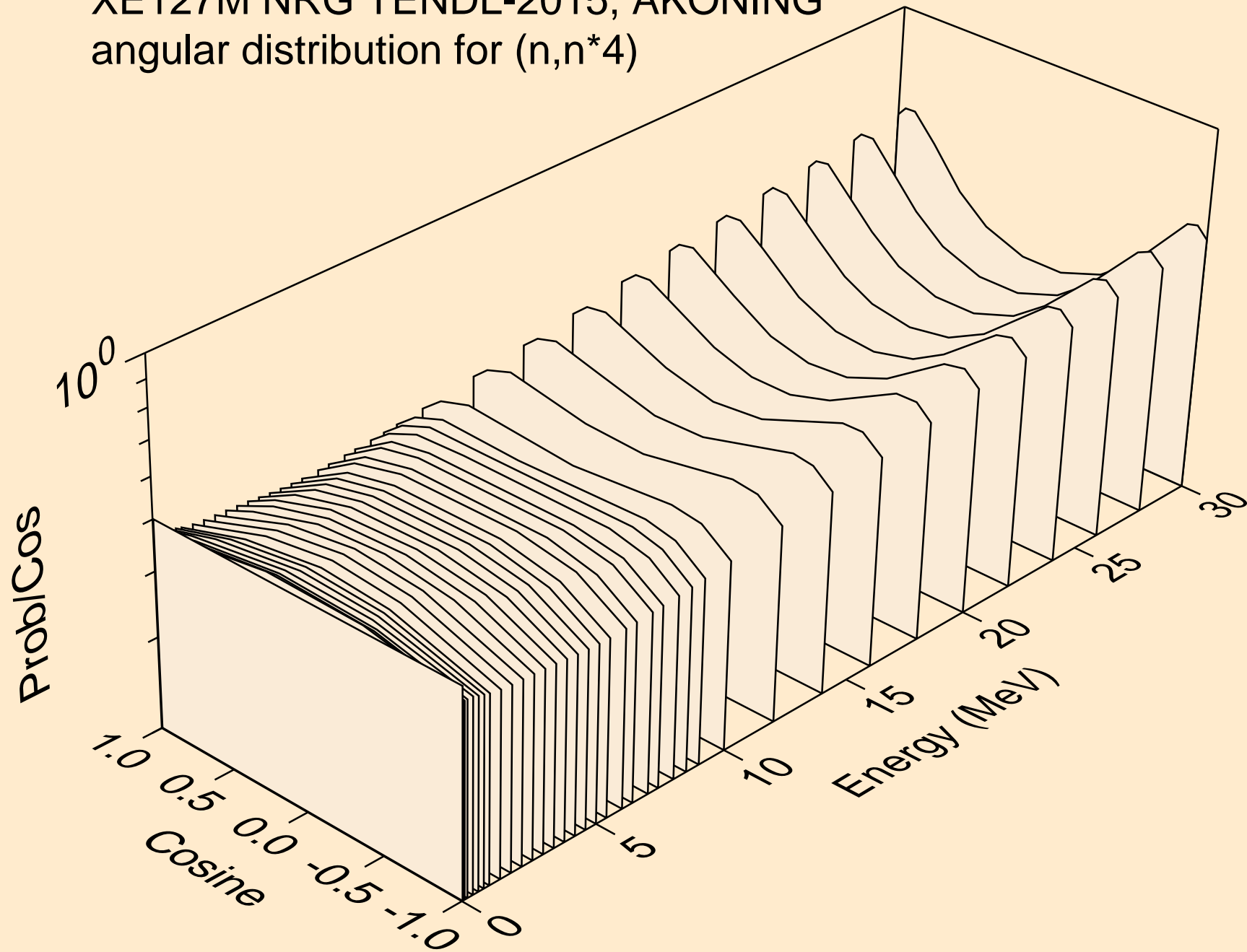
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



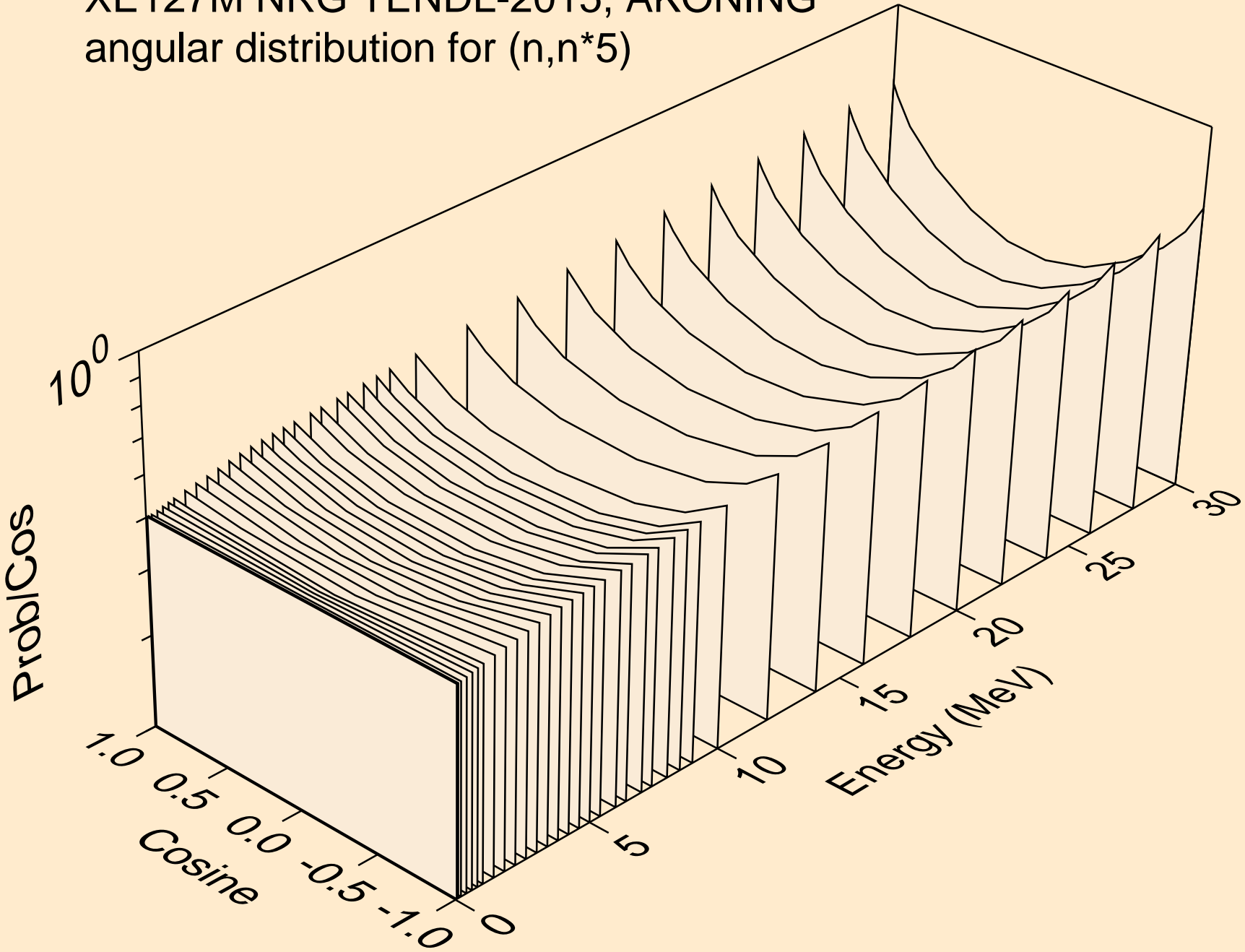
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



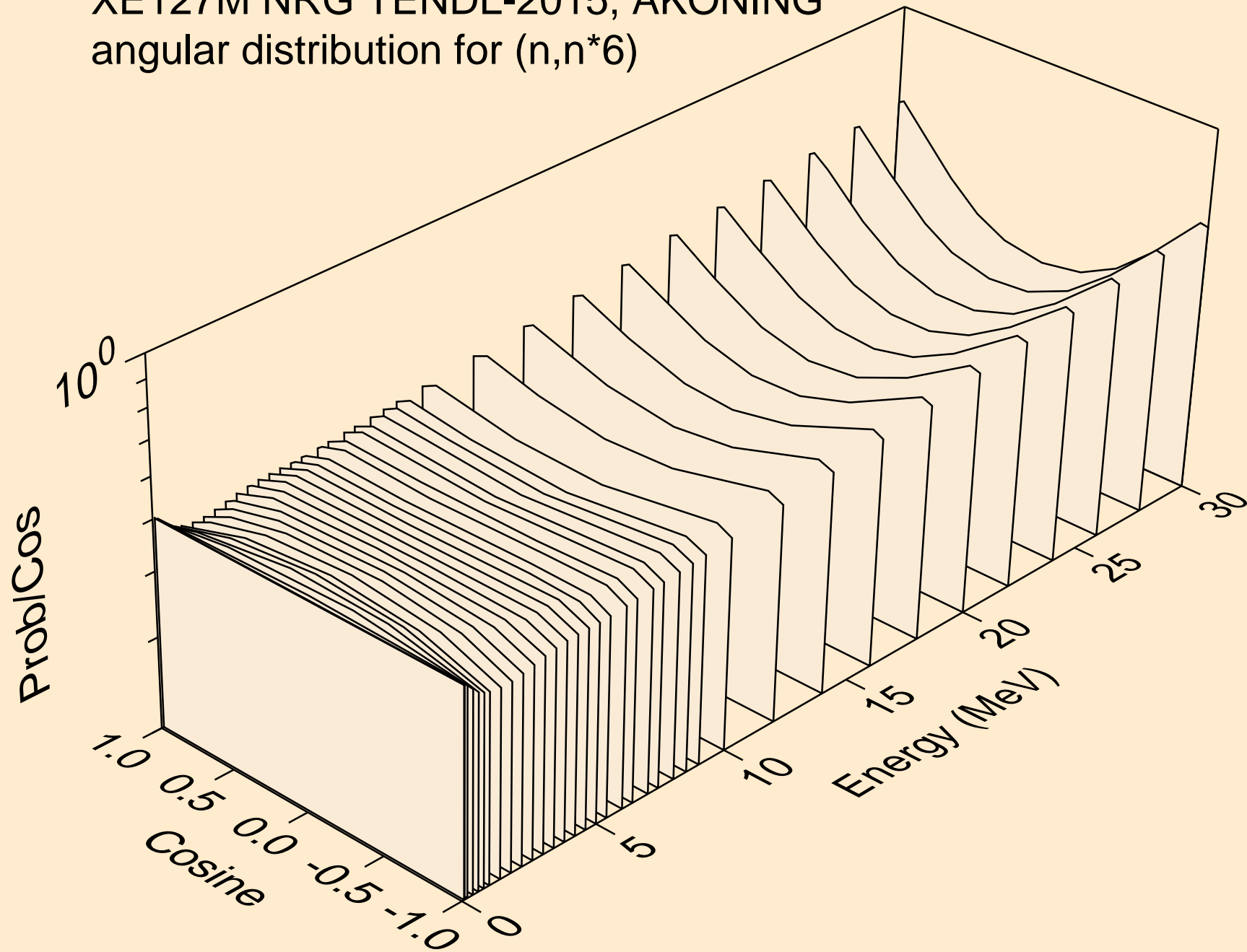
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

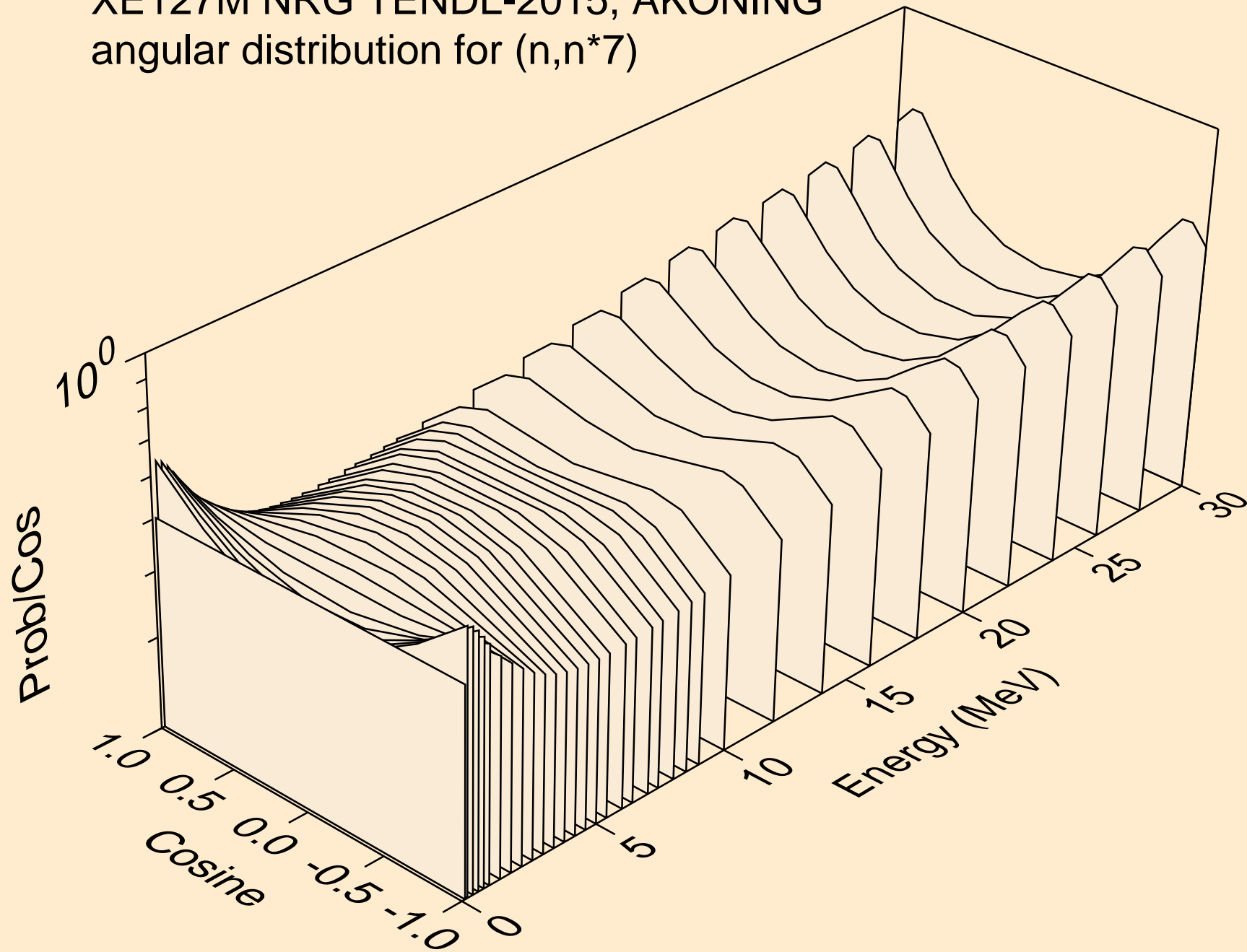


XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

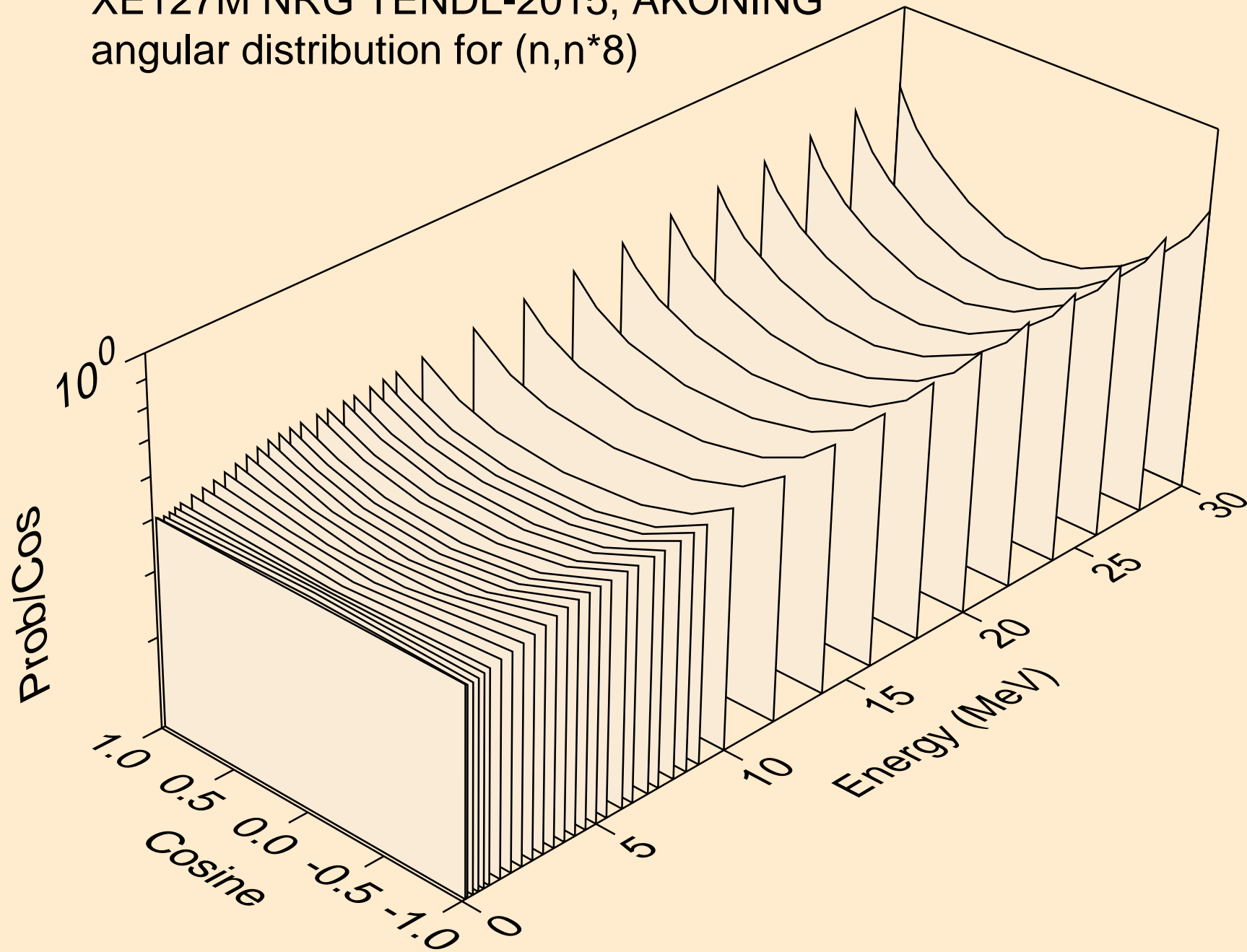




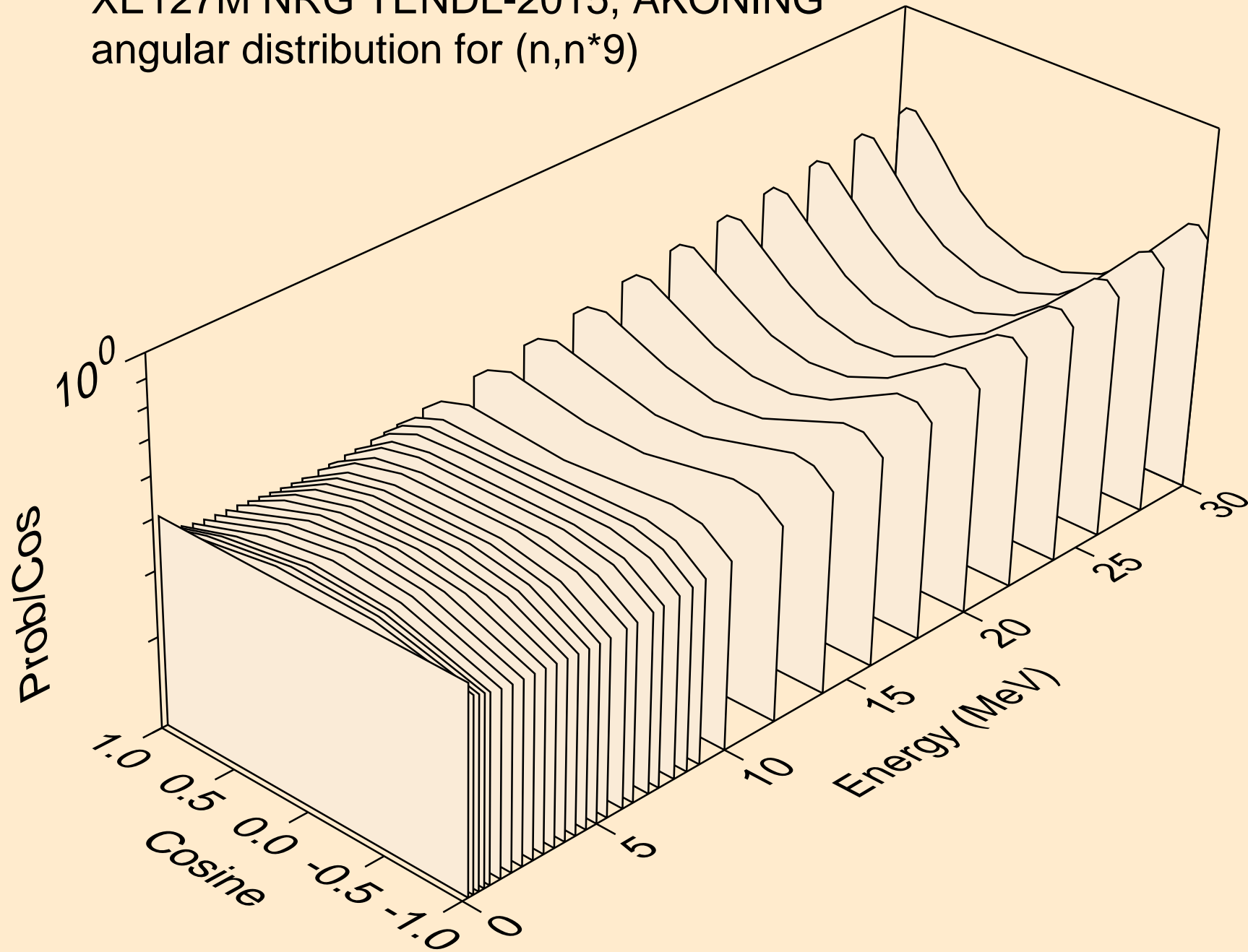
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angular distribution for (n,n\*7)



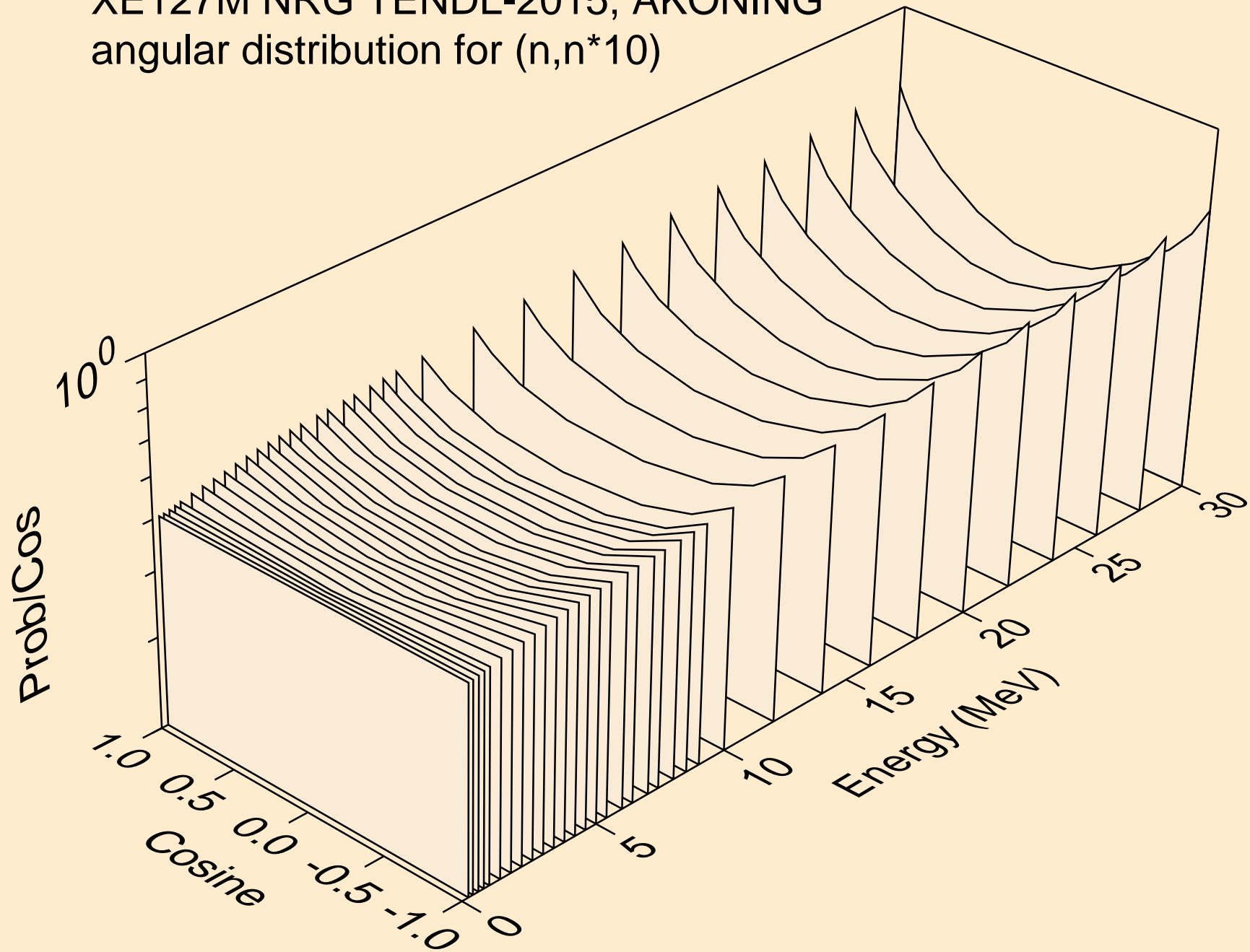
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angular distribution for (n,n\*8)



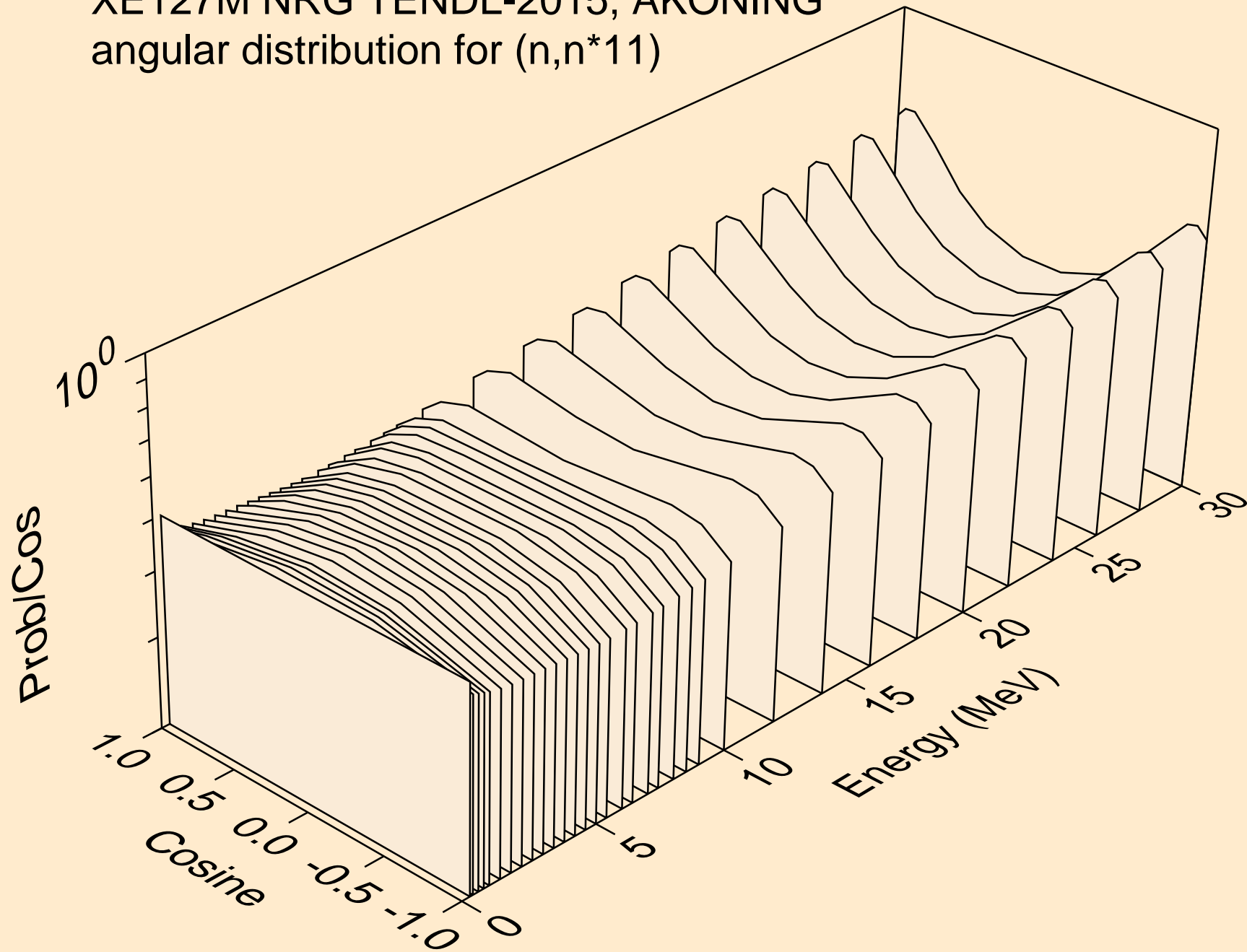
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



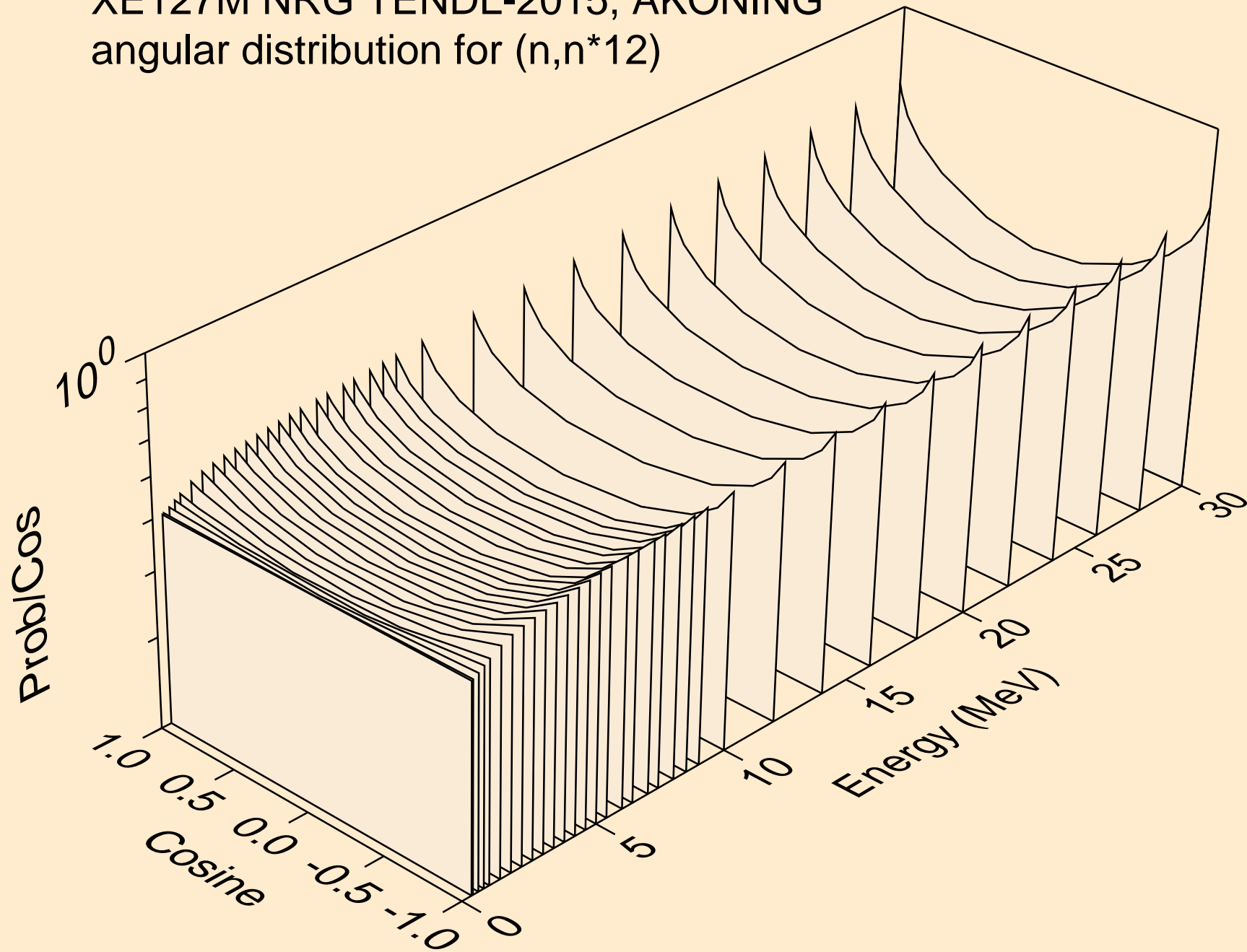
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angular distribution for (n,n\*10)



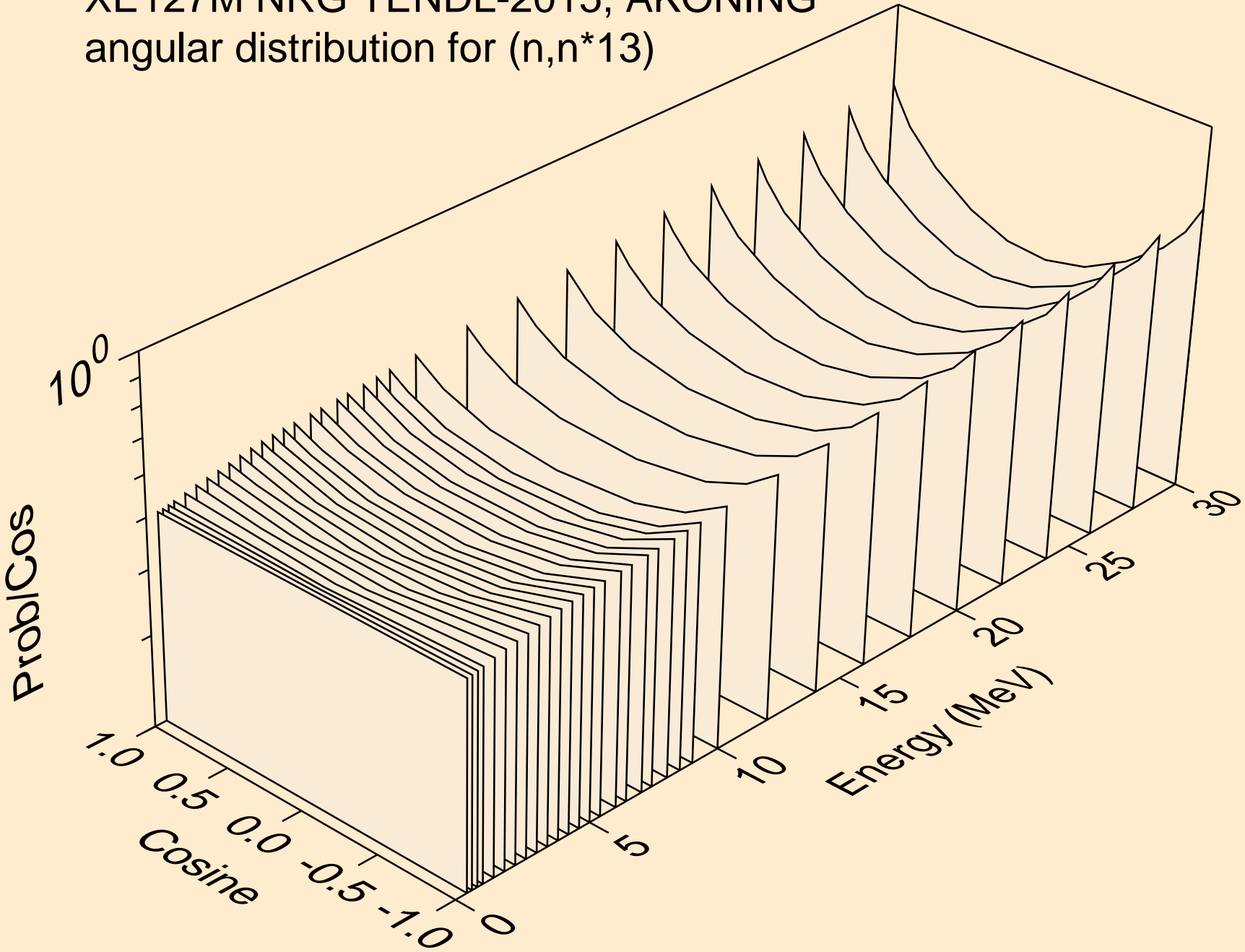
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angular distribution for (n,n\*11)



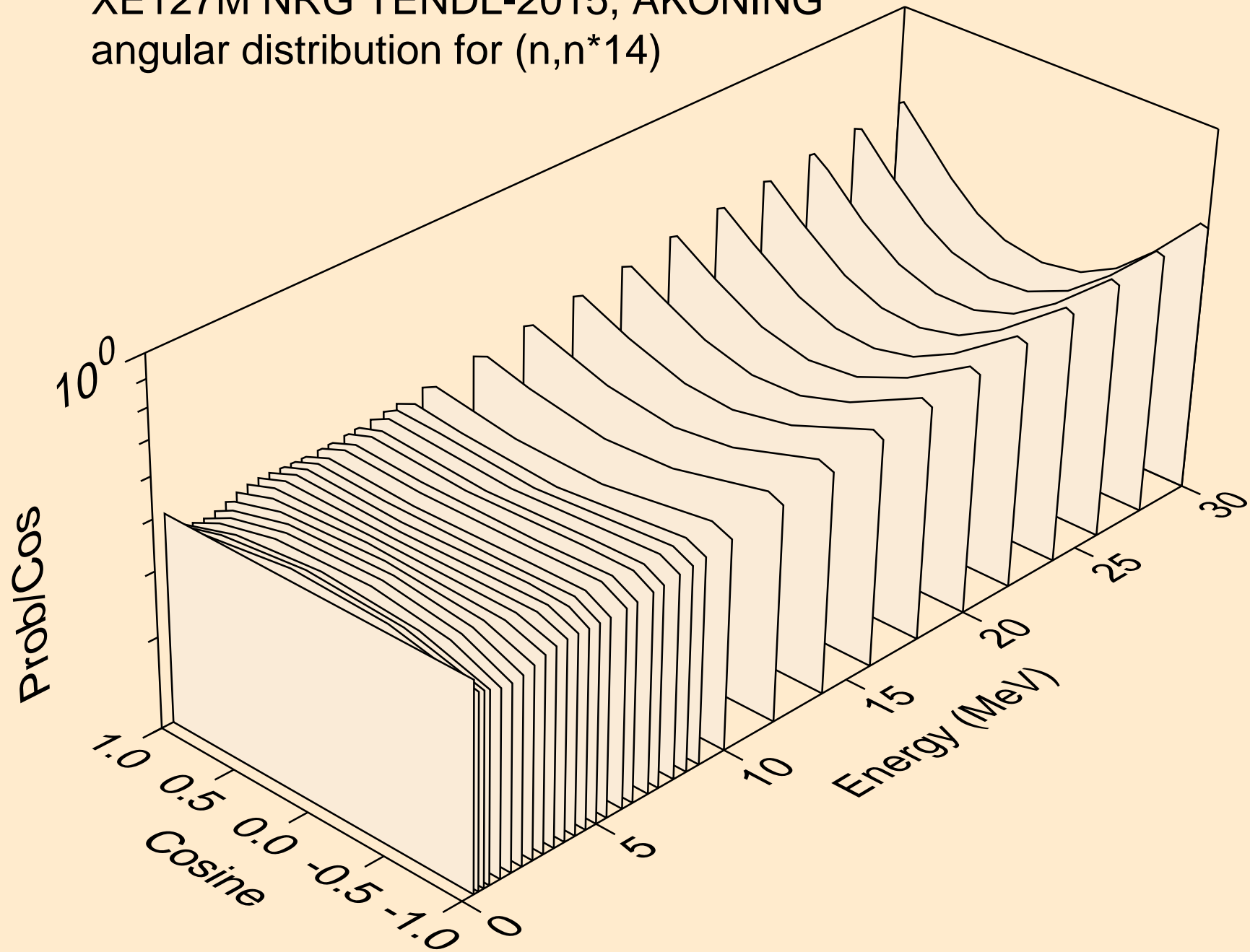
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

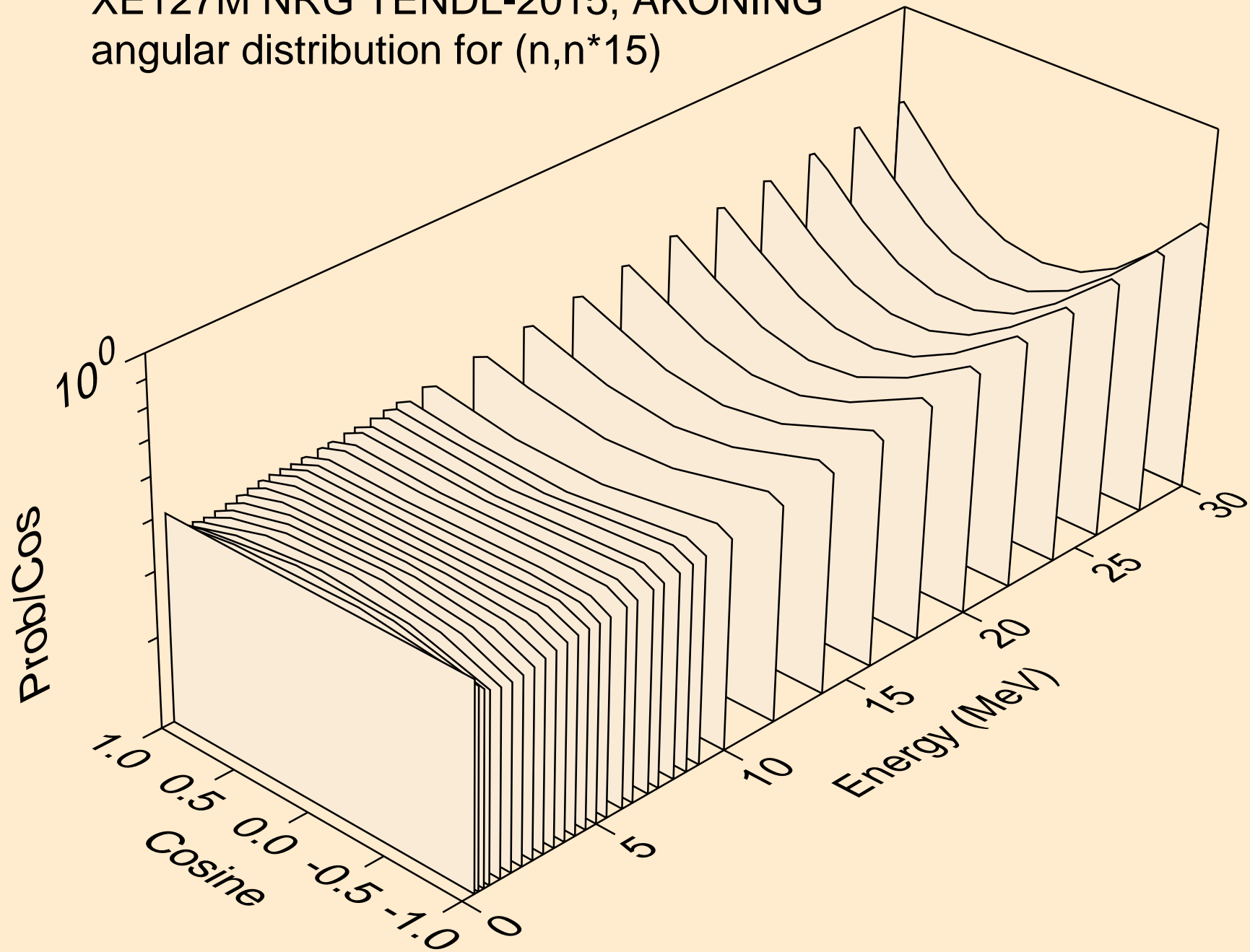


XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

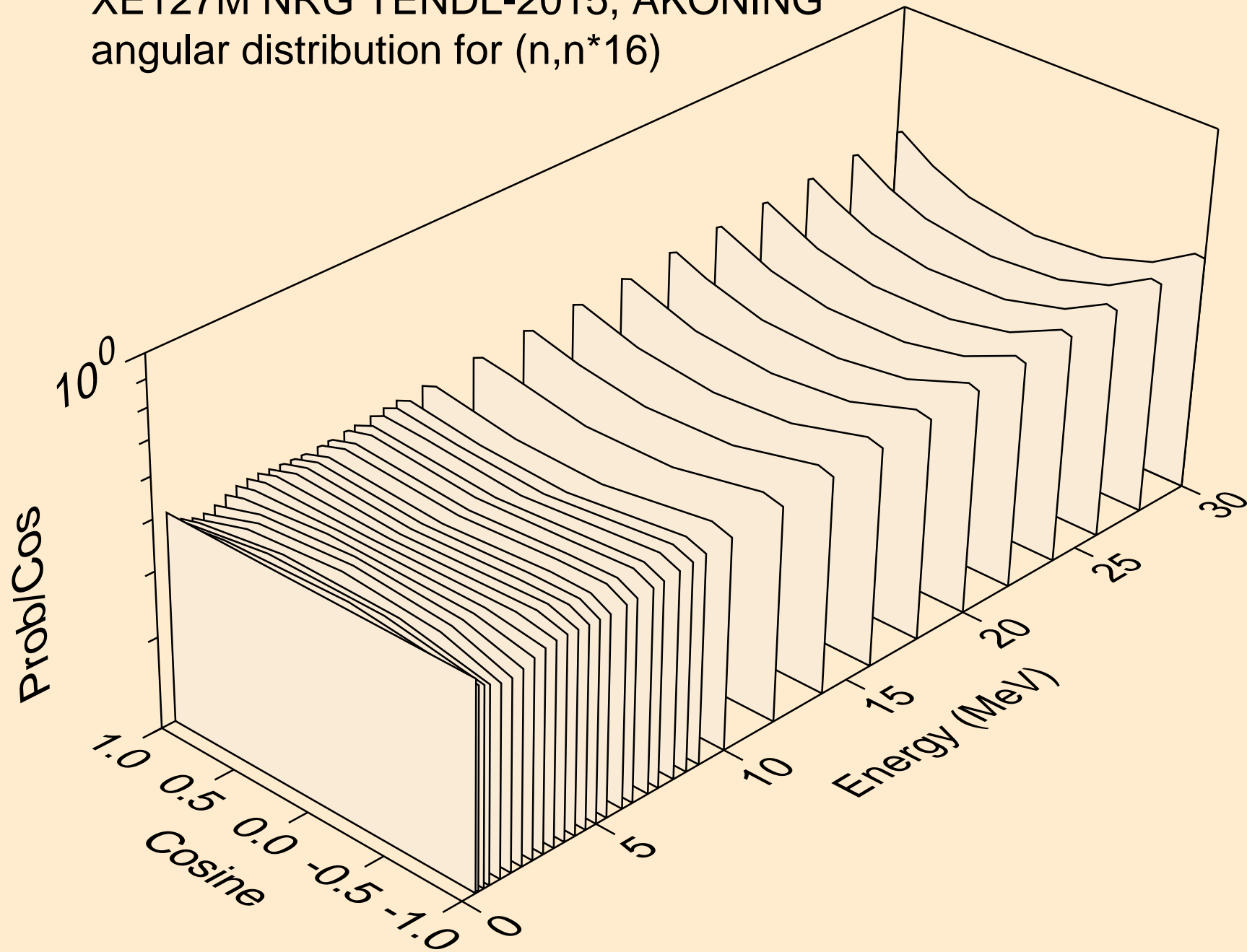




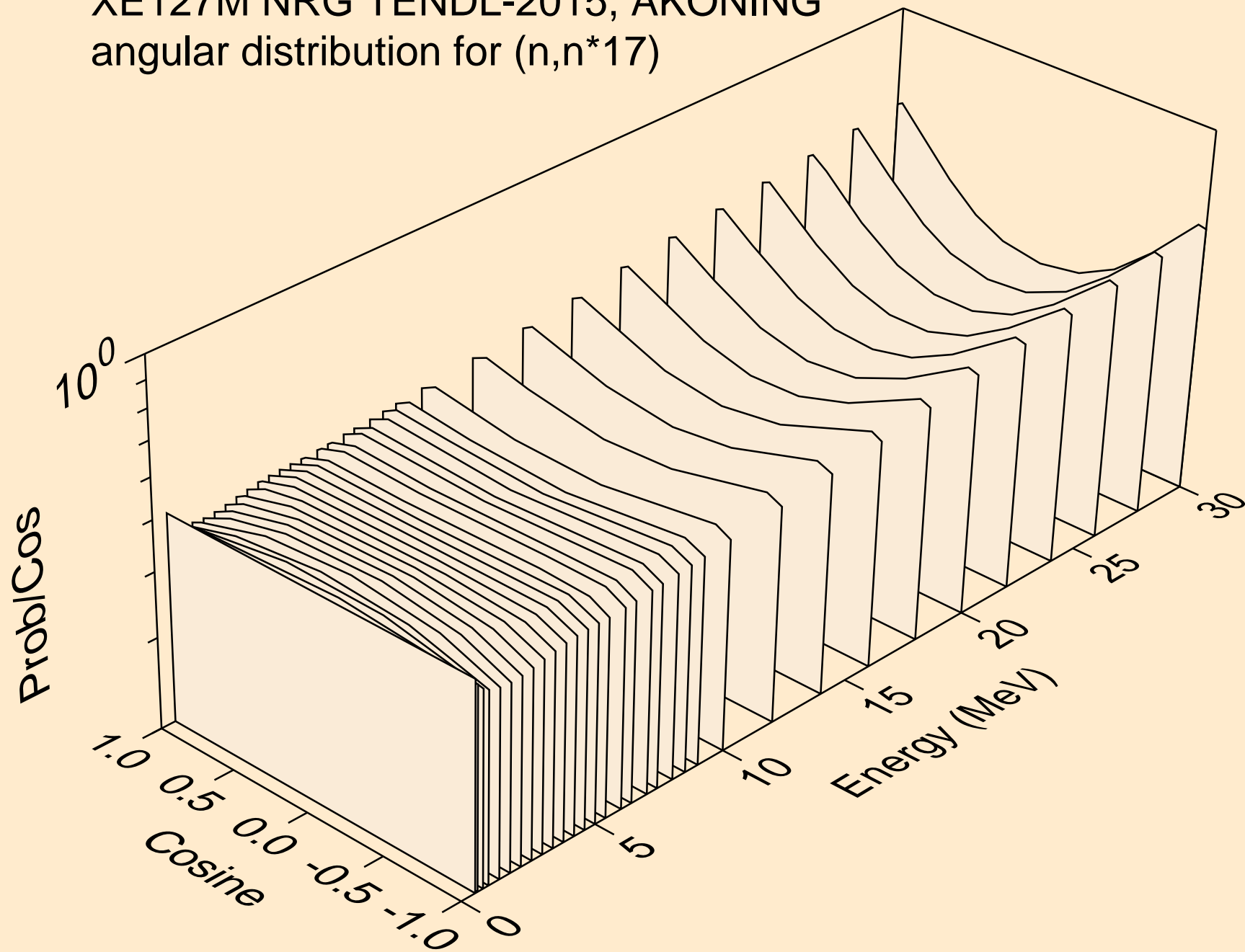
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angular distribution for (n,n\*15)



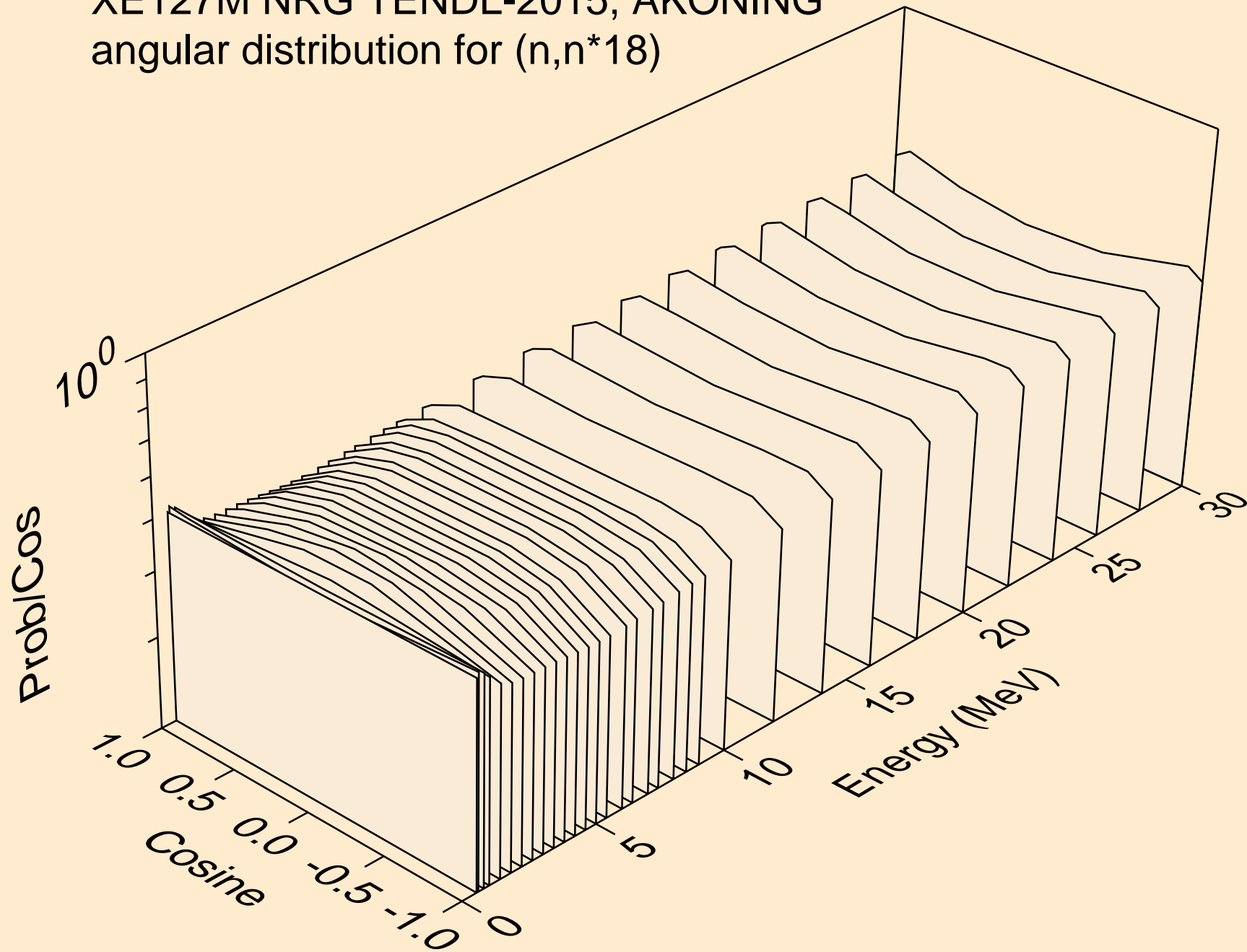
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angular distribution for (n,n\*16)



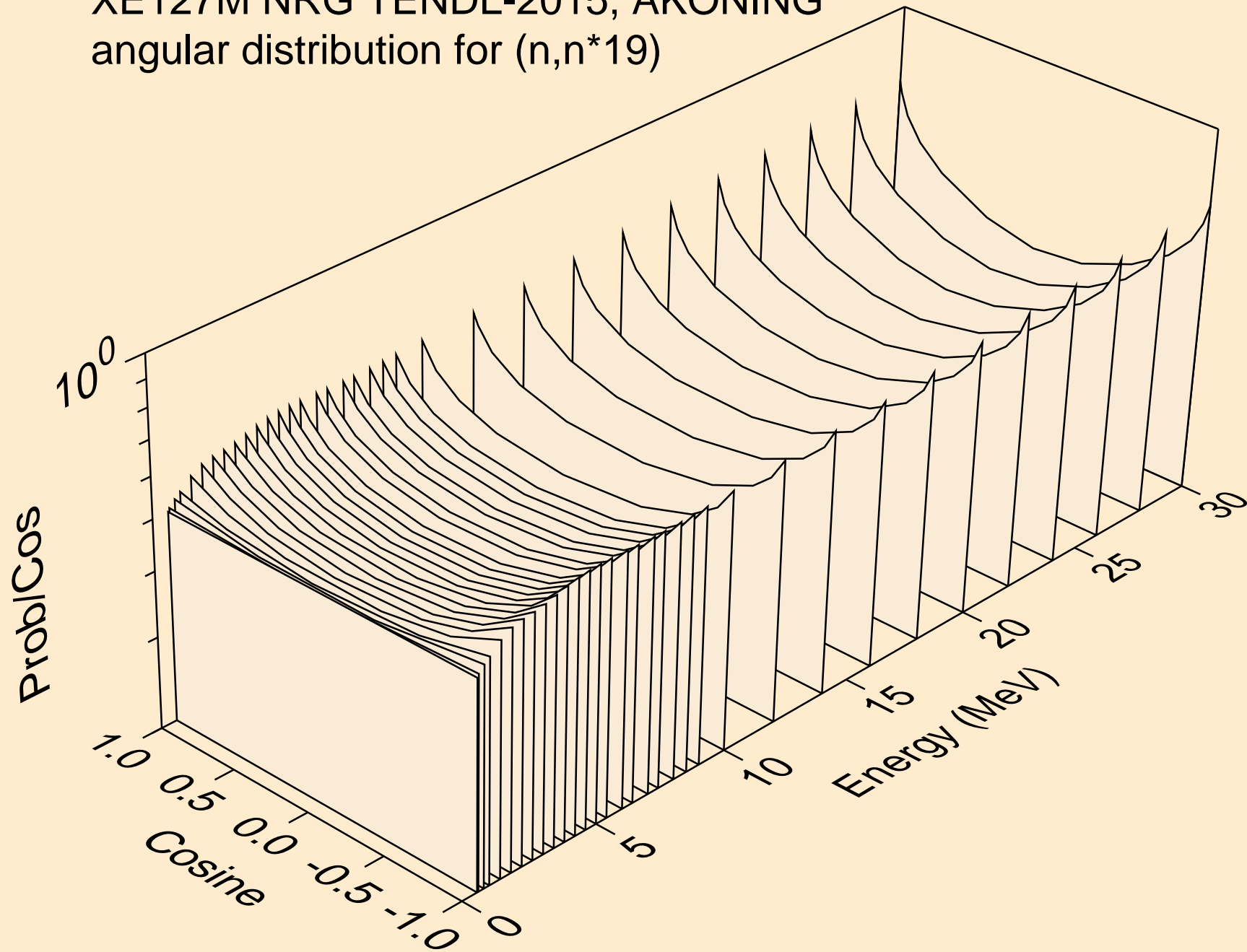
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angular distribution for (n,n\*17)



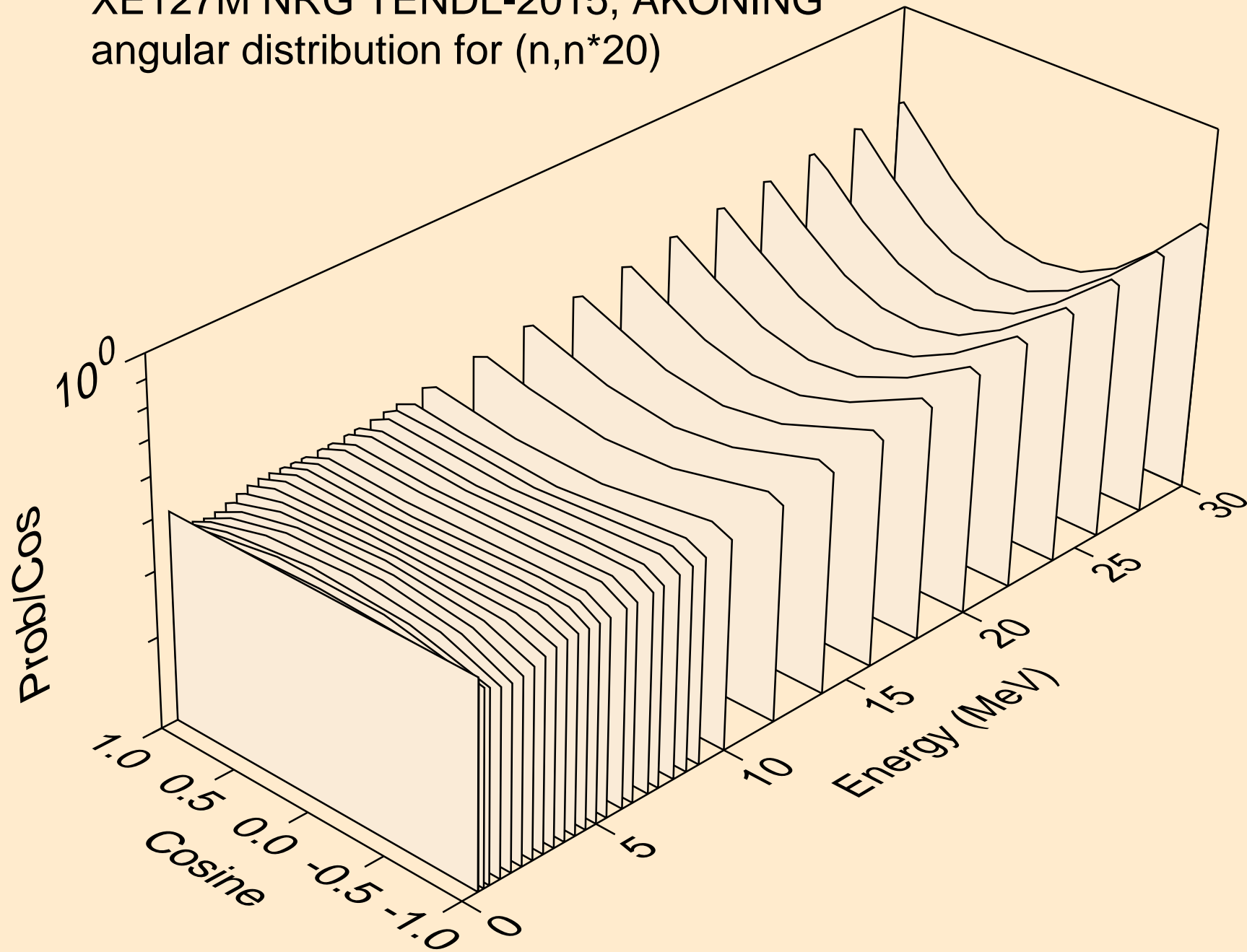
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angular distribution for (n,n\*18)



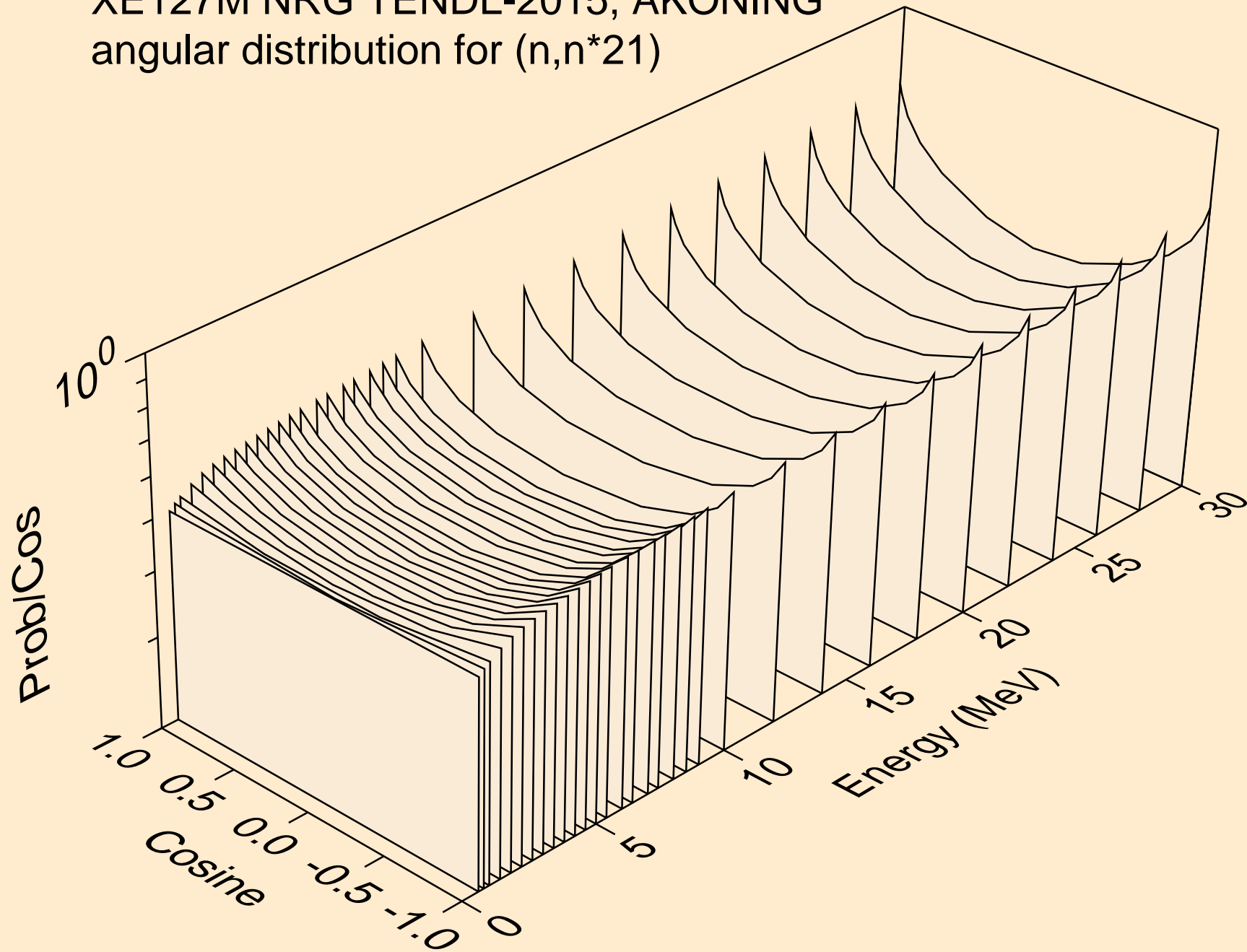
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angular distribution for (n,n\*19)



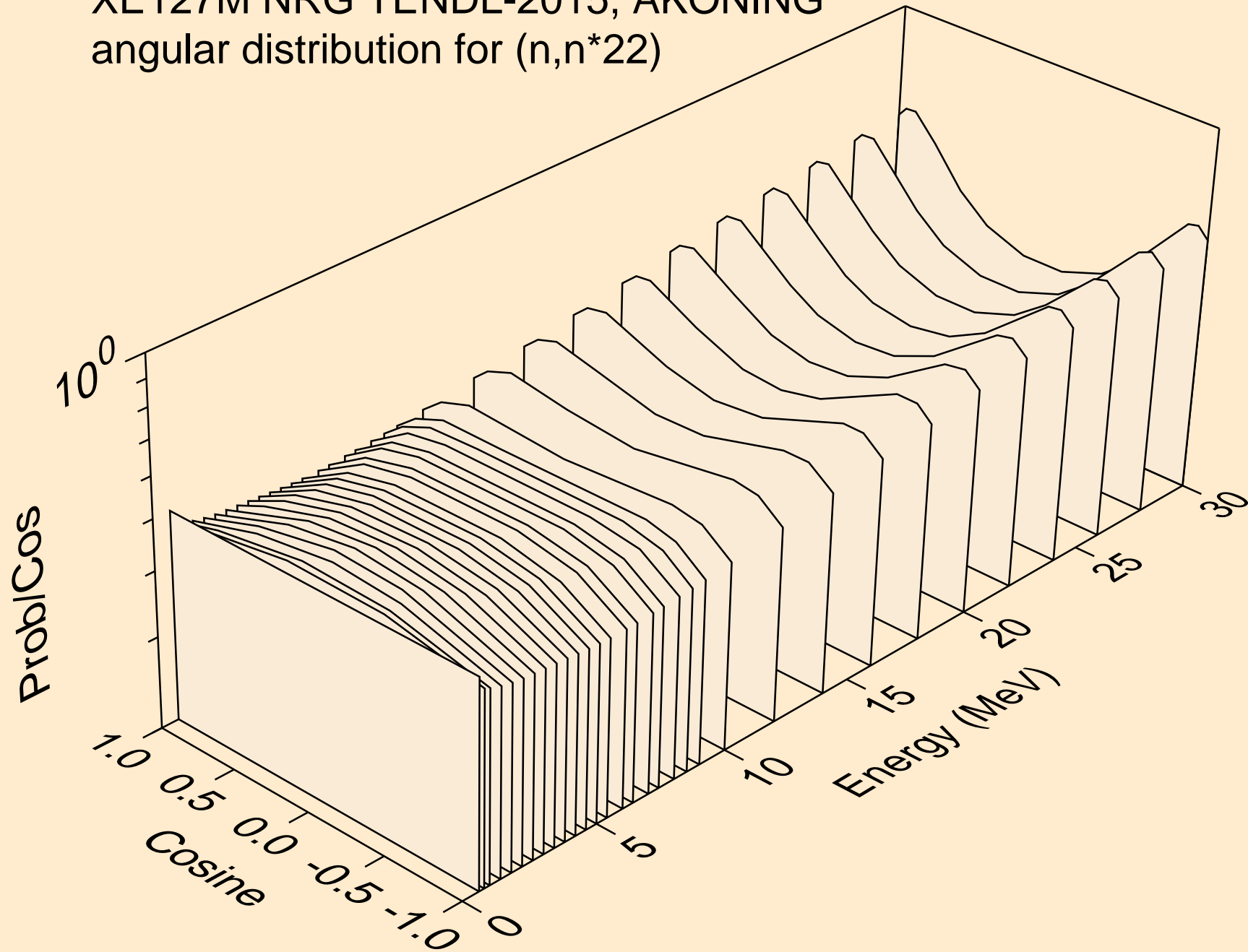
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

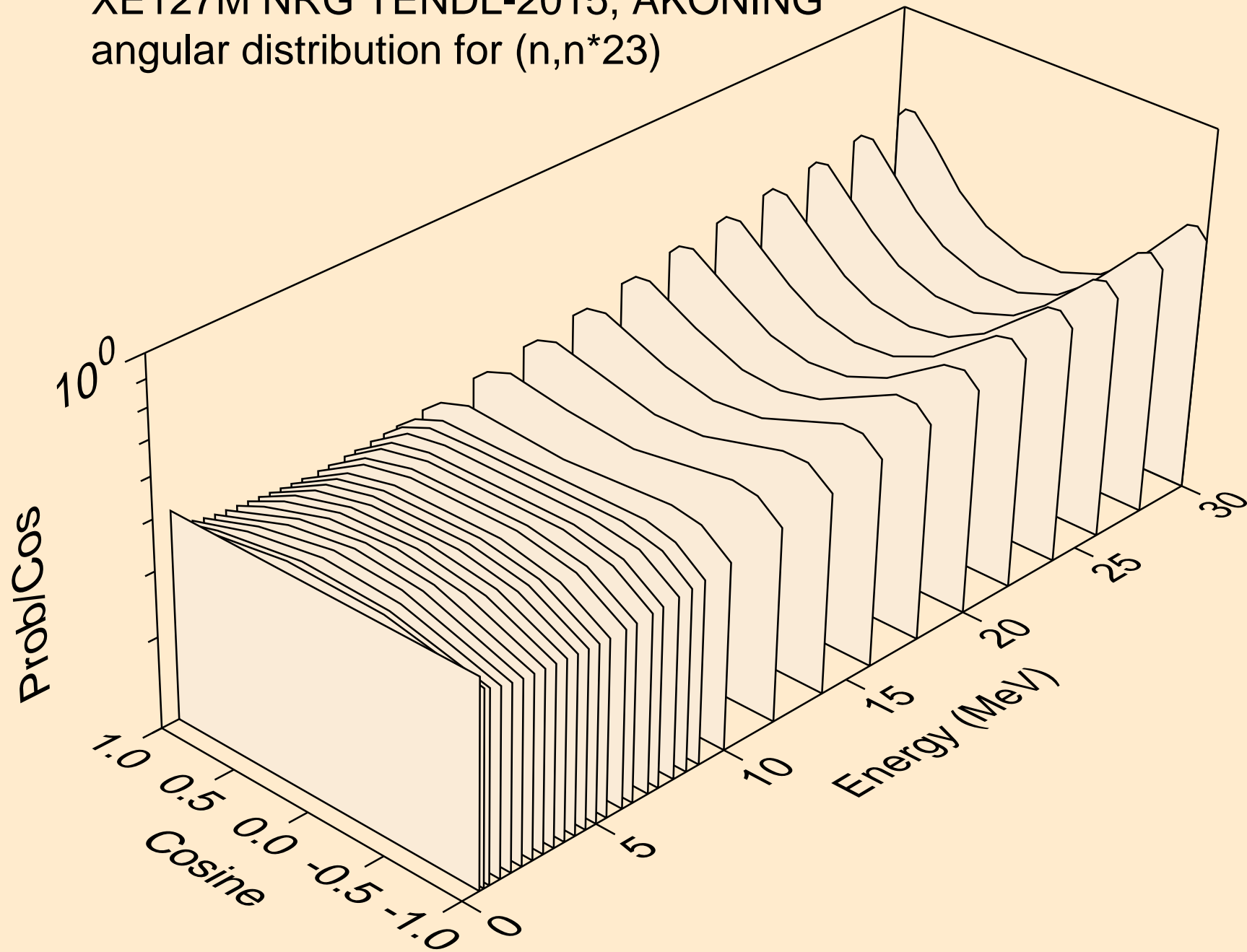


XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

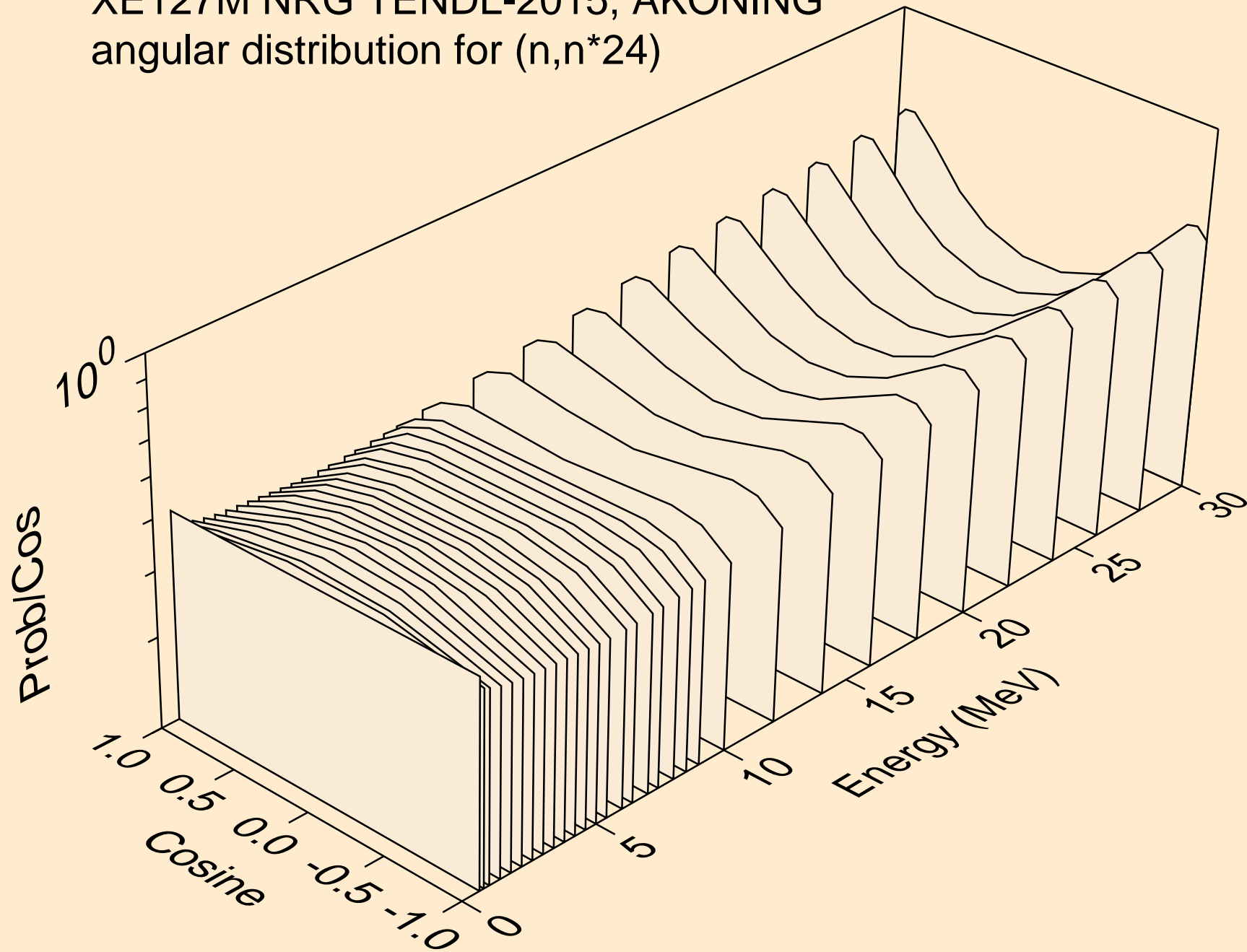




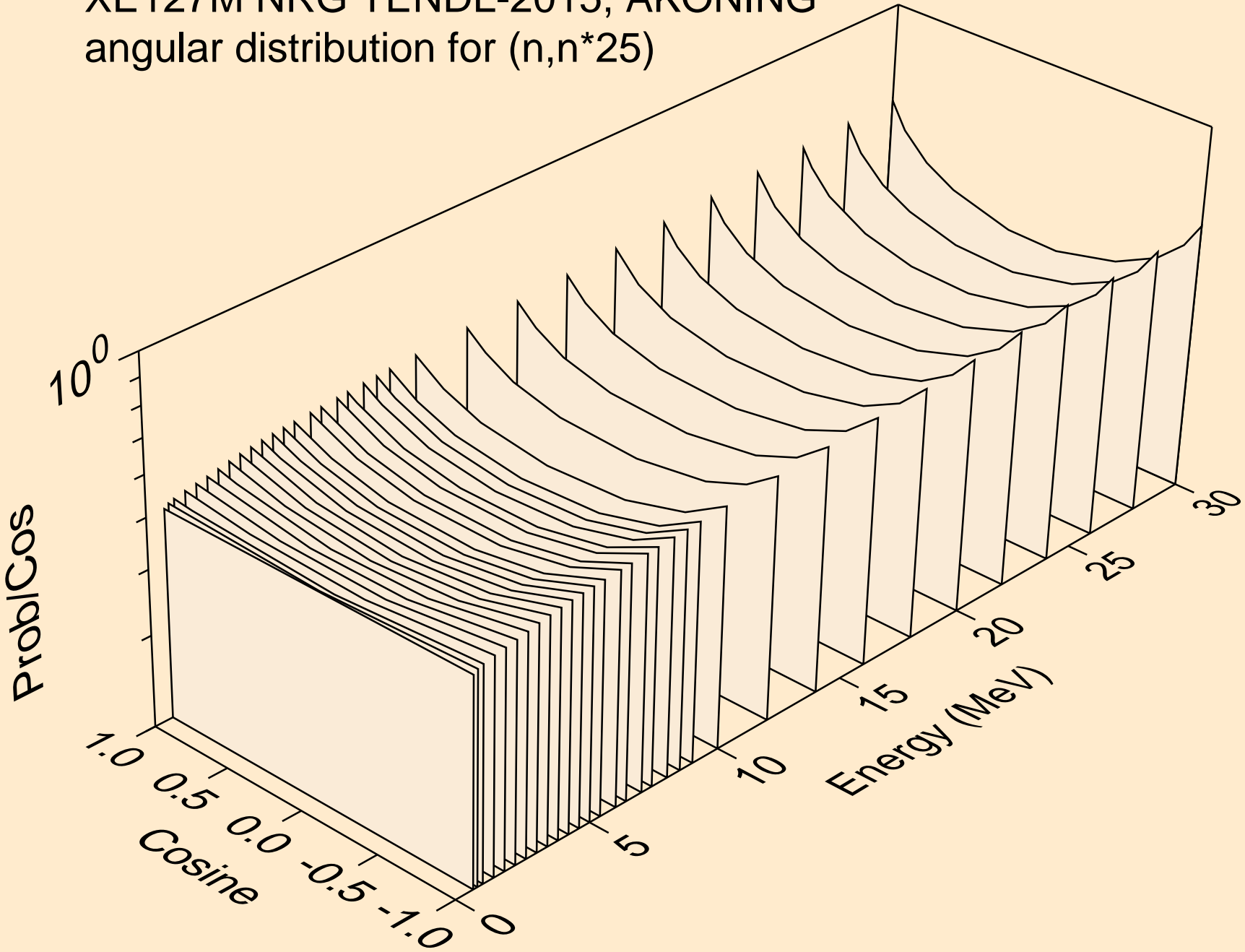
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angular distribution for (n,n\*23)



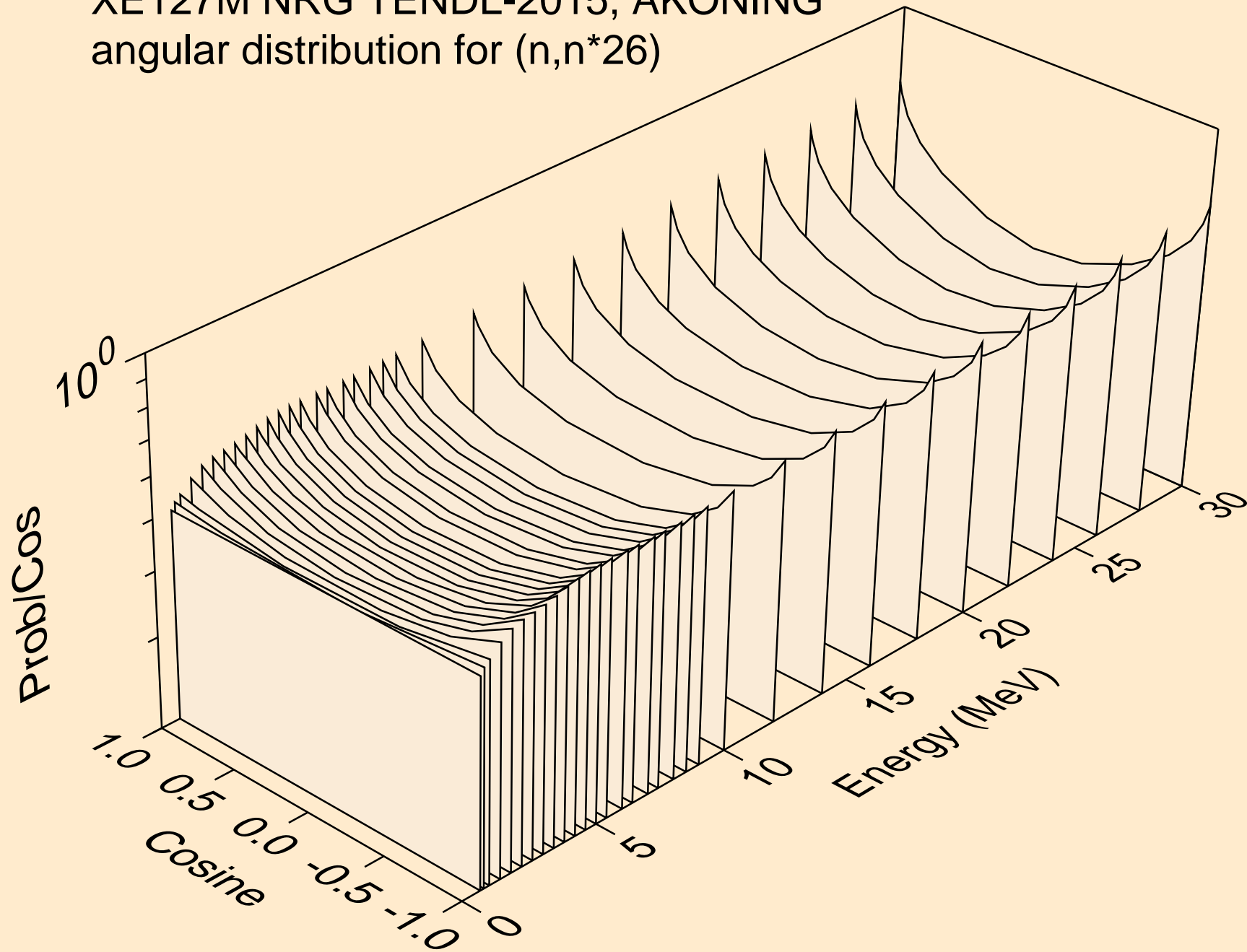
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angular distribution for (n,n\*24)



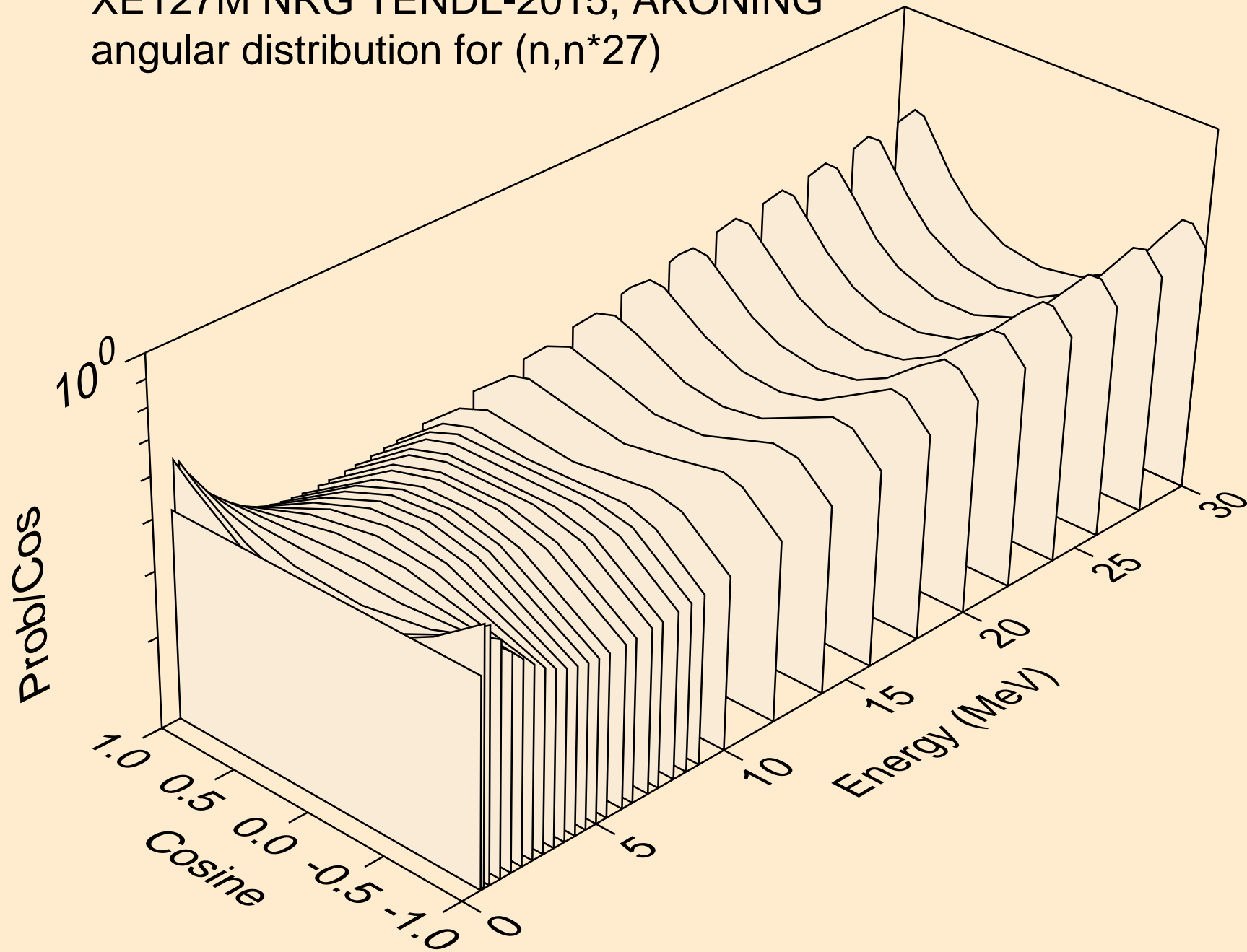
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angular distribution for (n,n\*25)



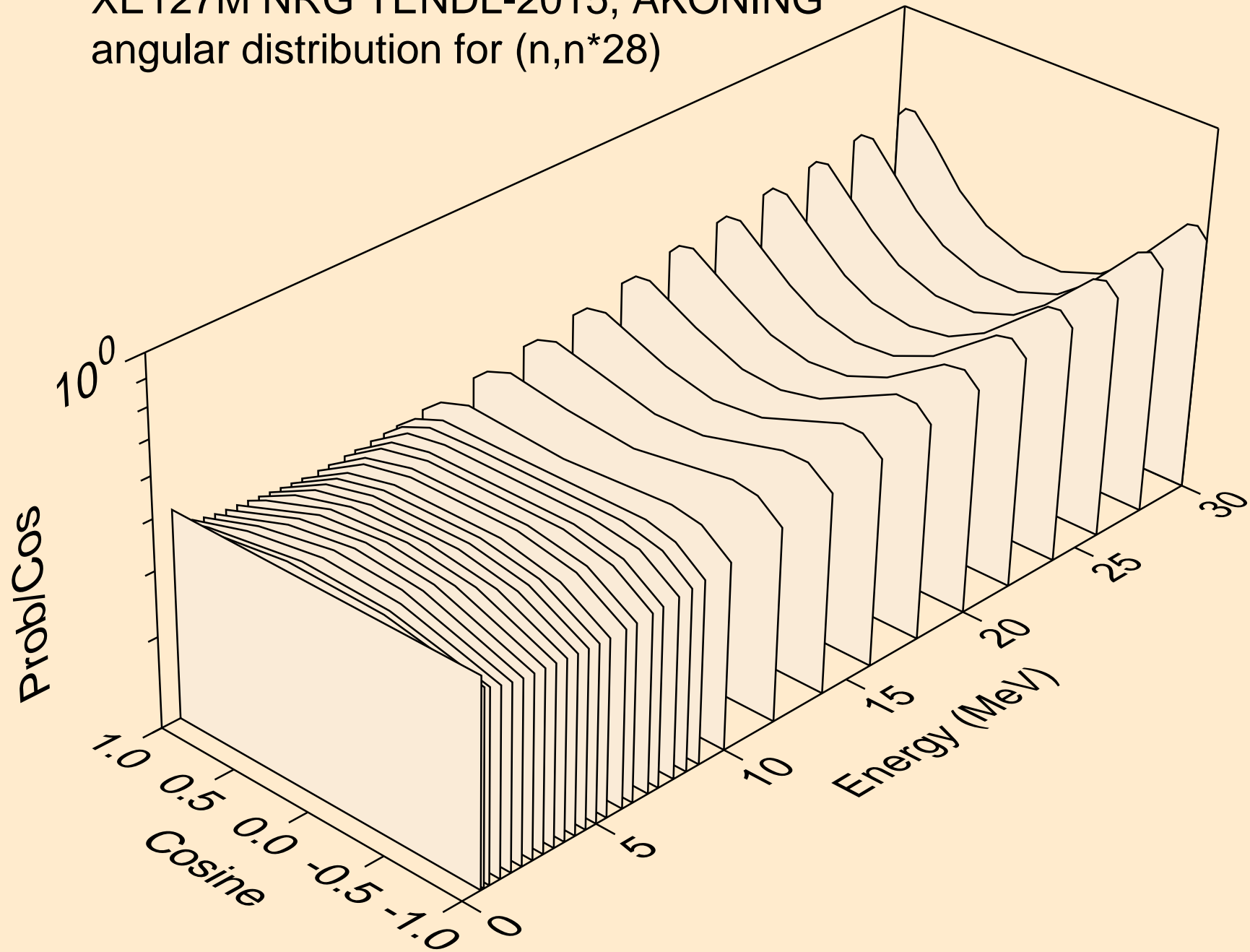
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angular distribution for (n,n\*26)



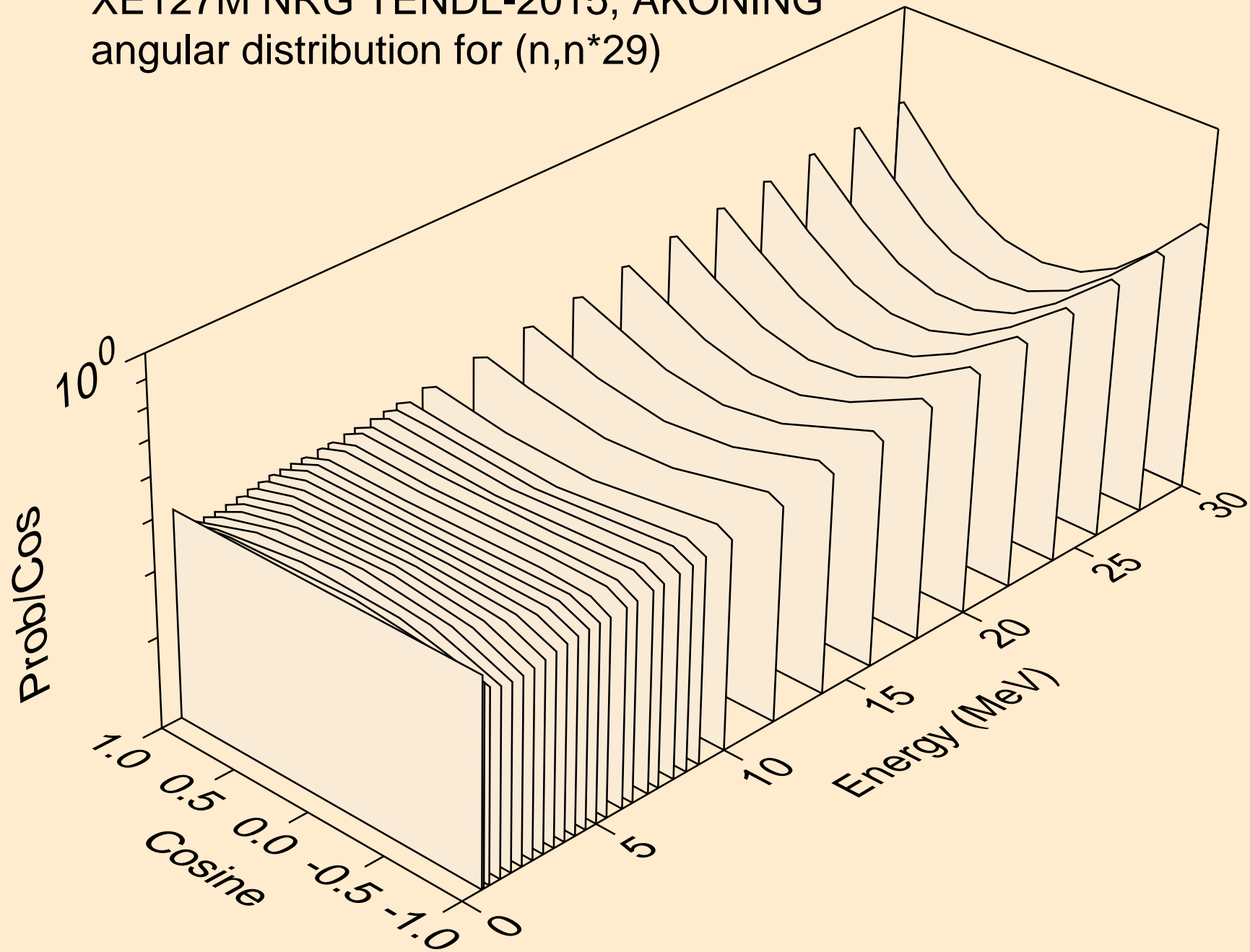
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angular distribution for (n,n\*27)



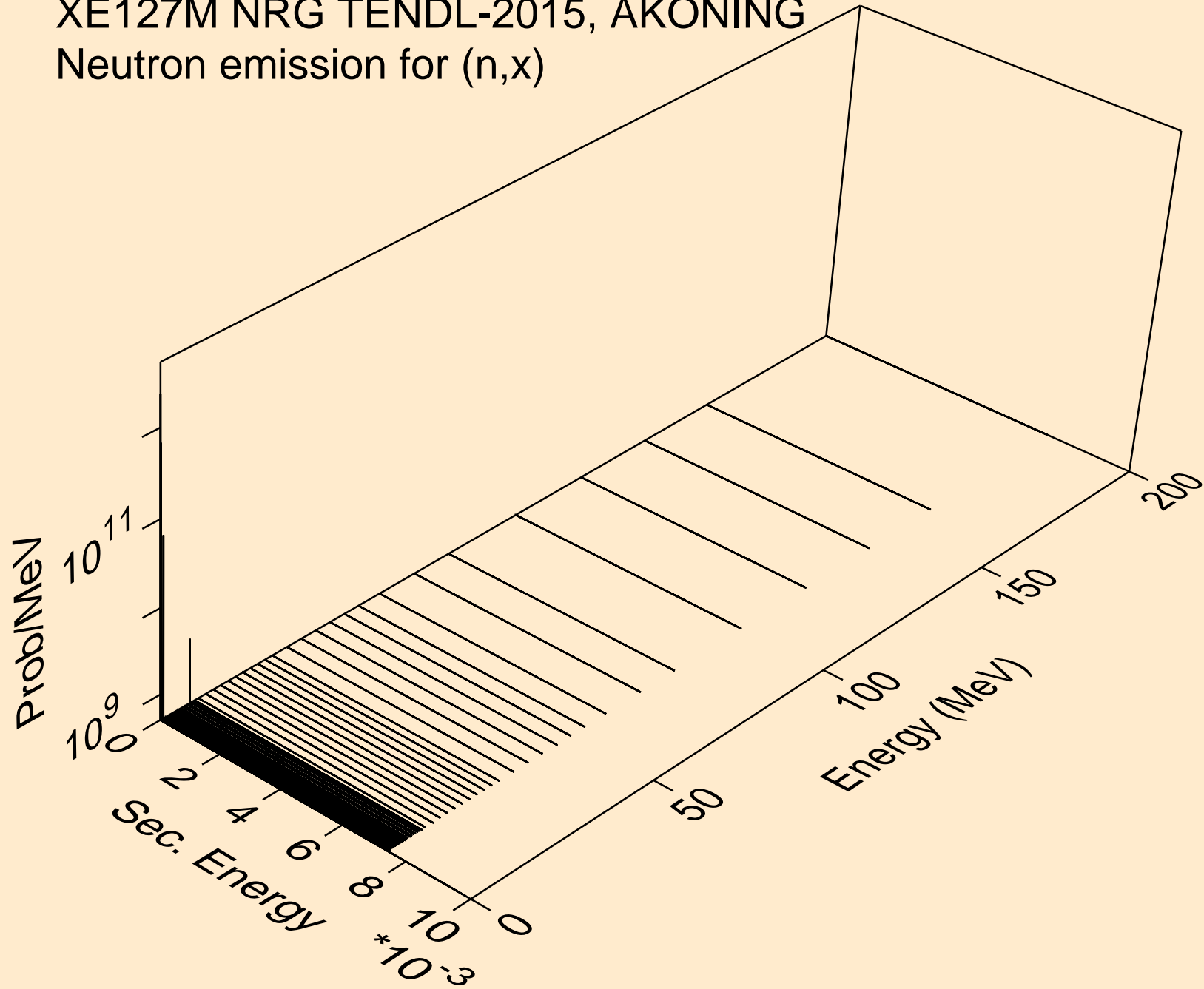
XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



XE127M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

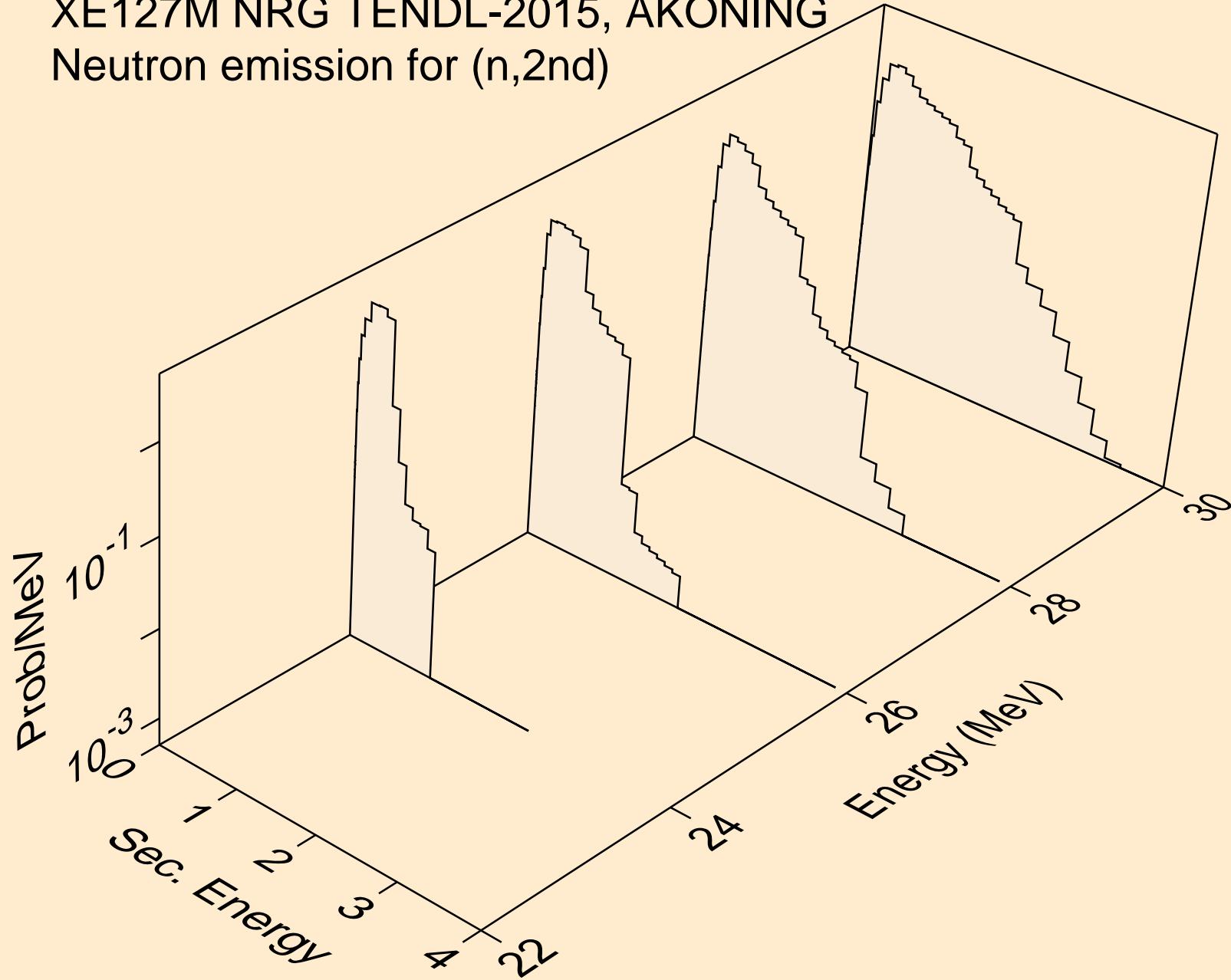


XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

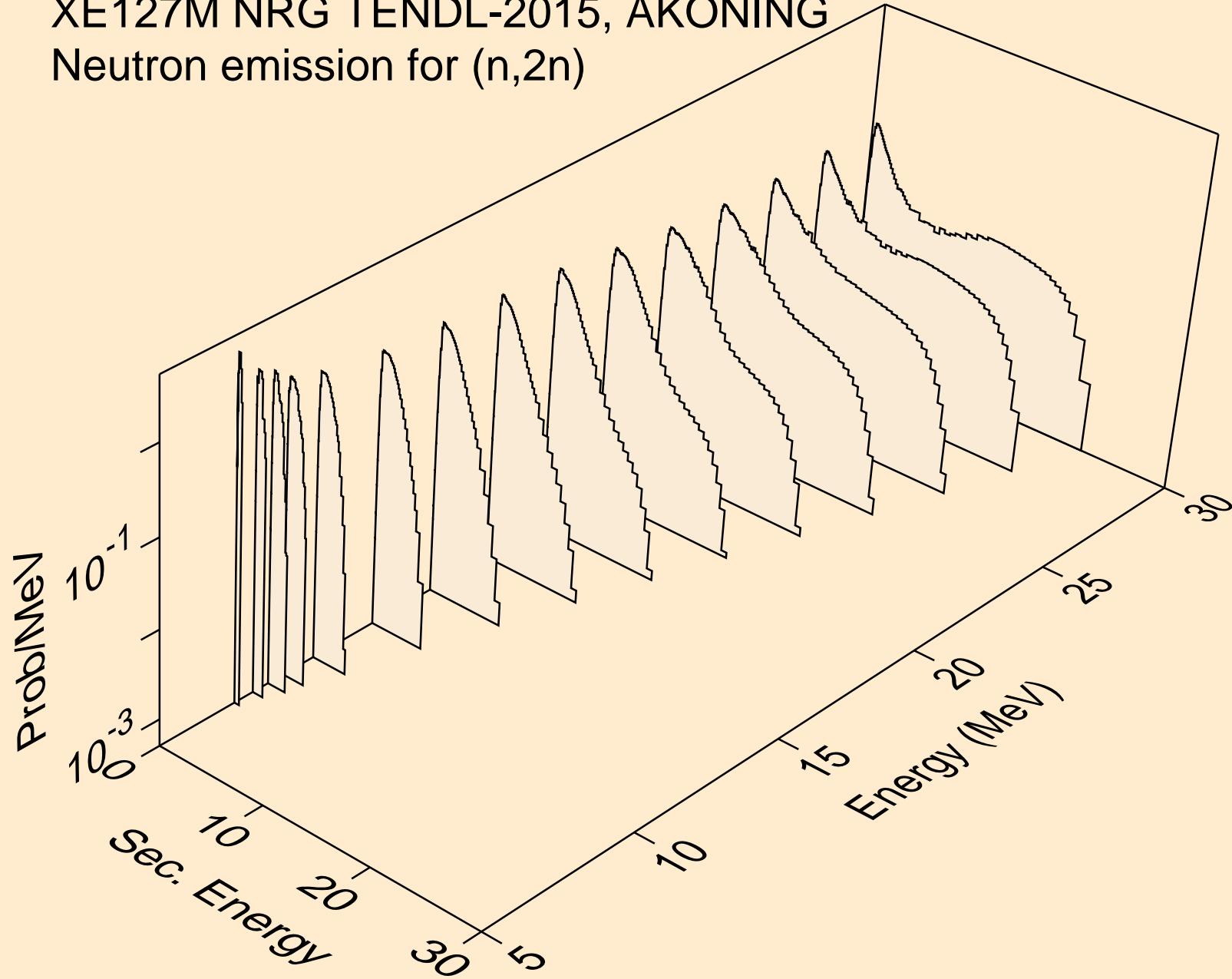




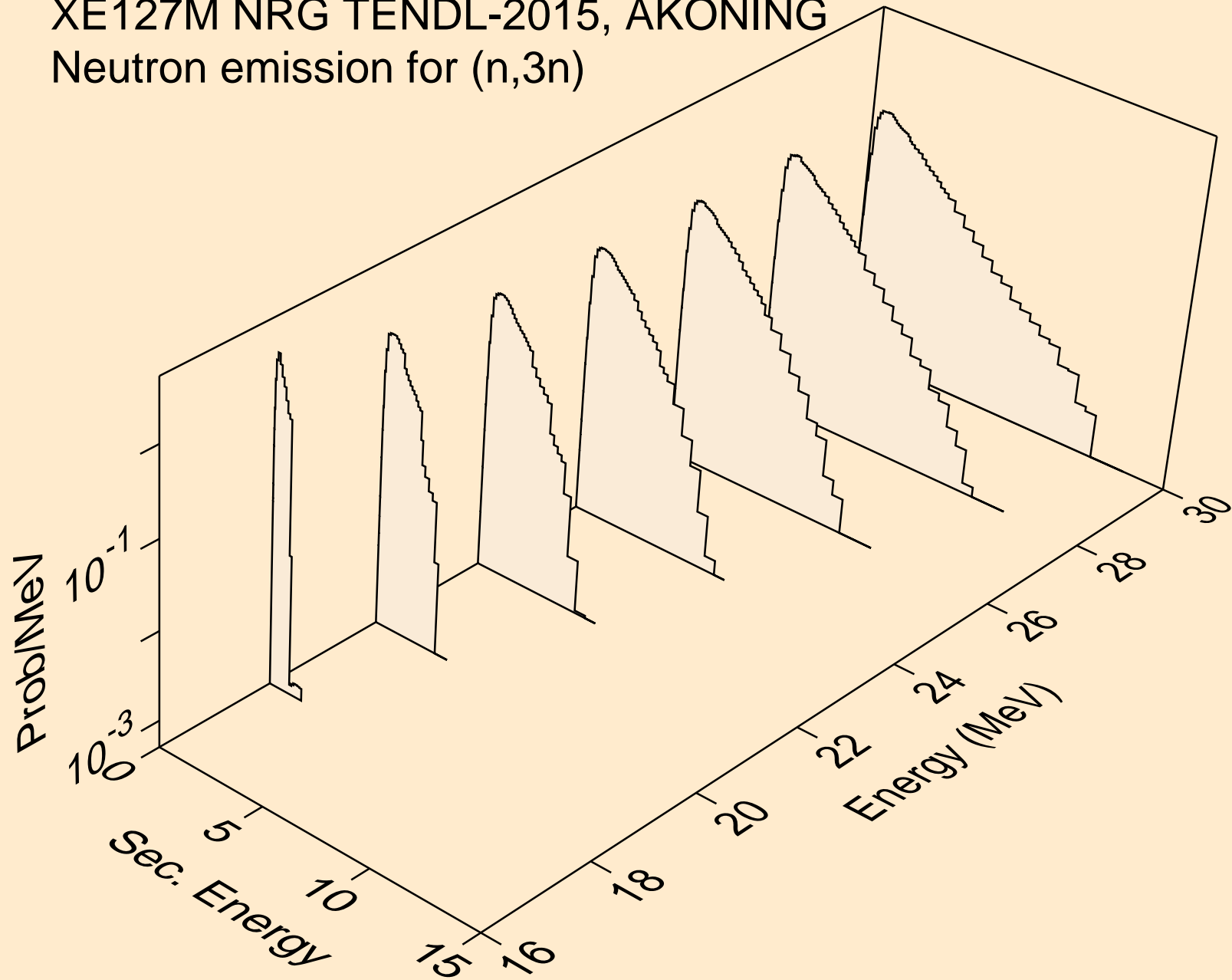
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



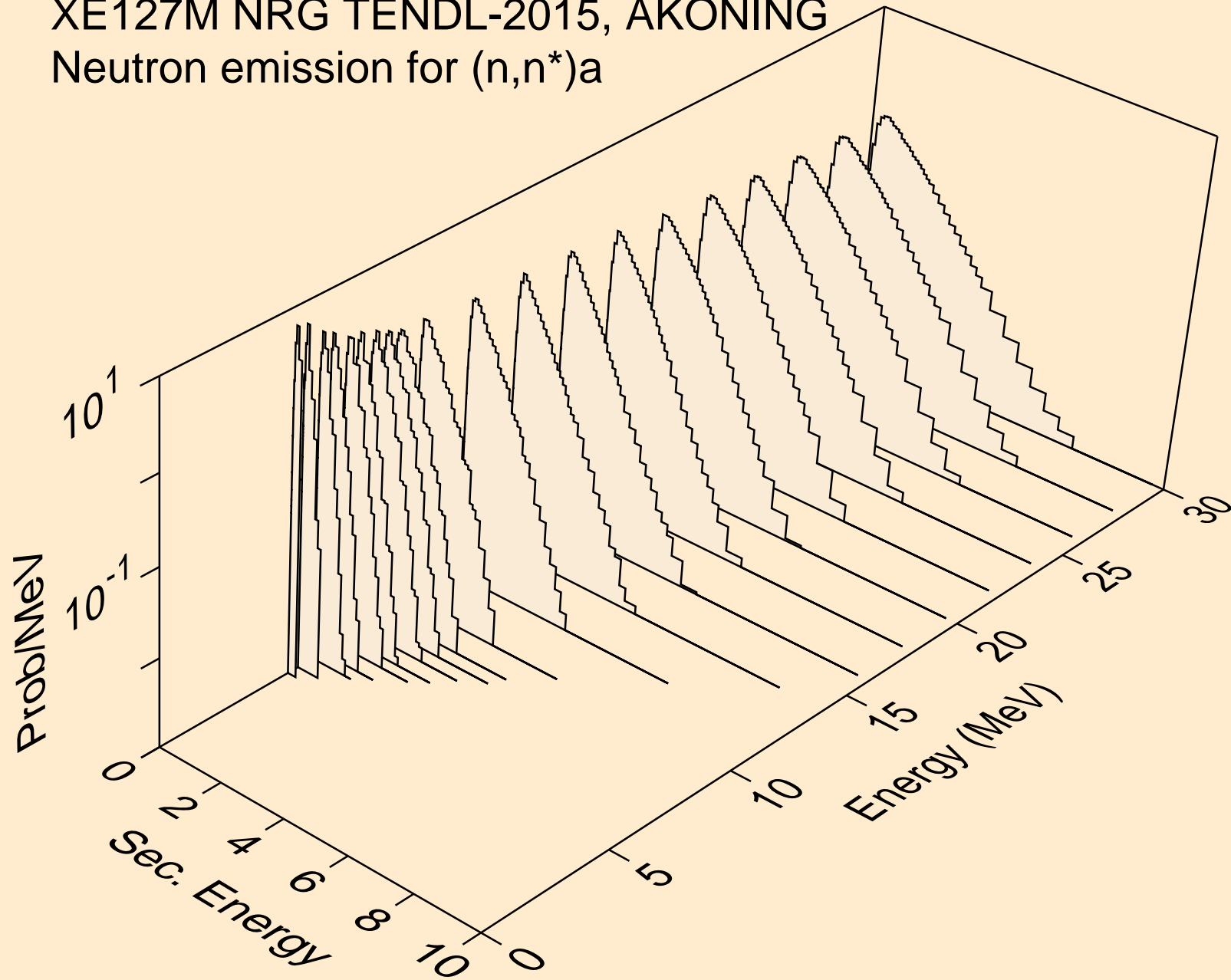
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



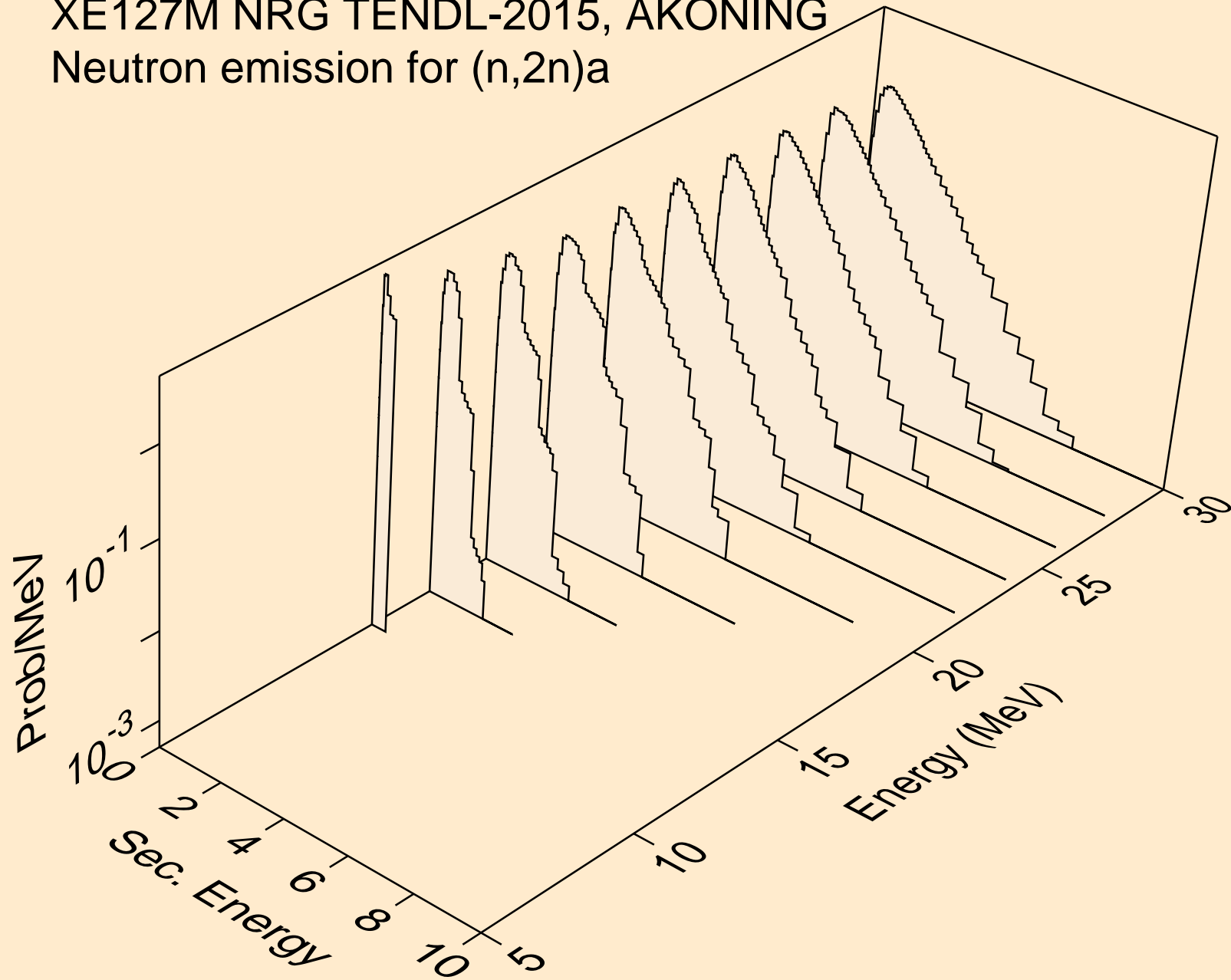
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



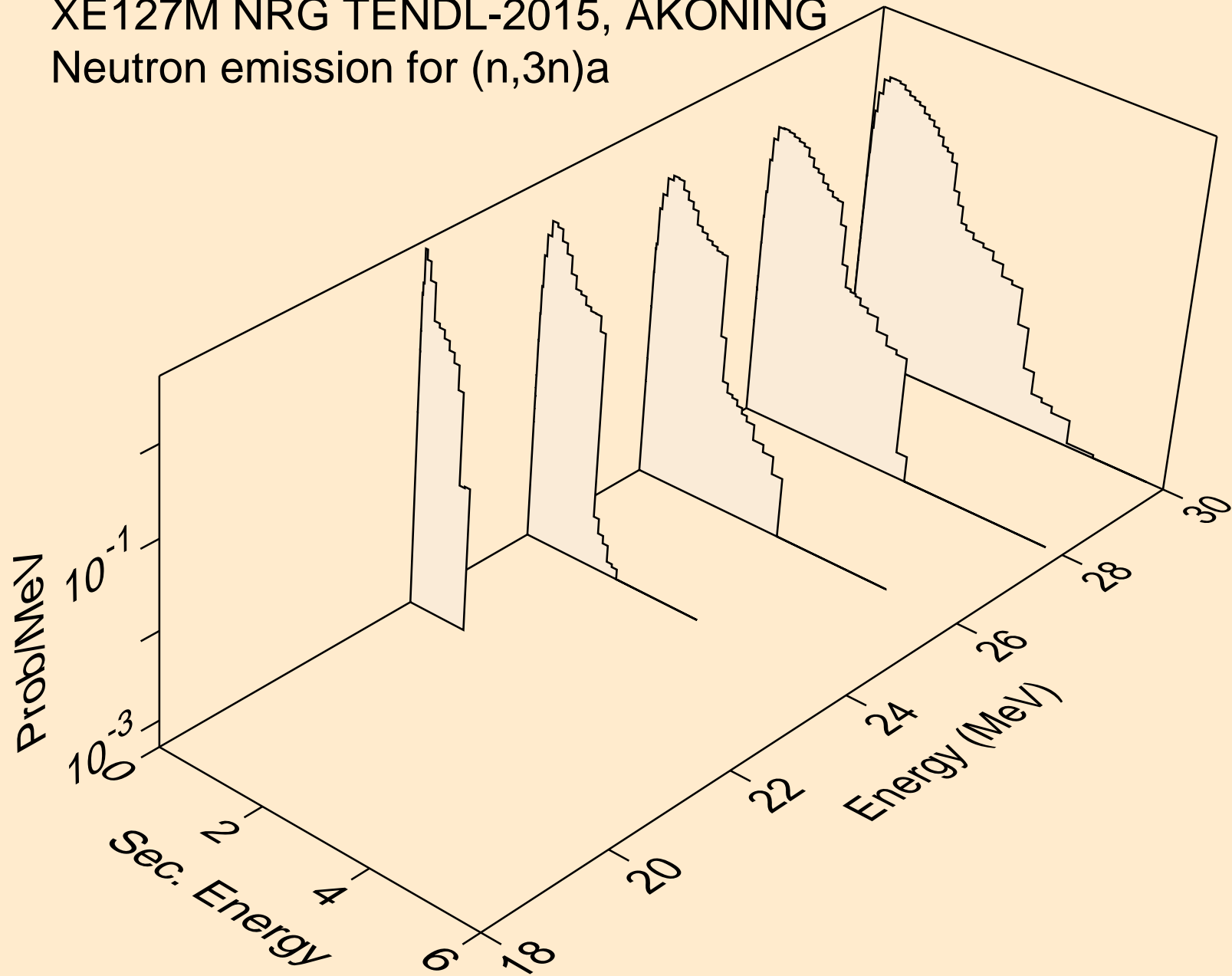
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



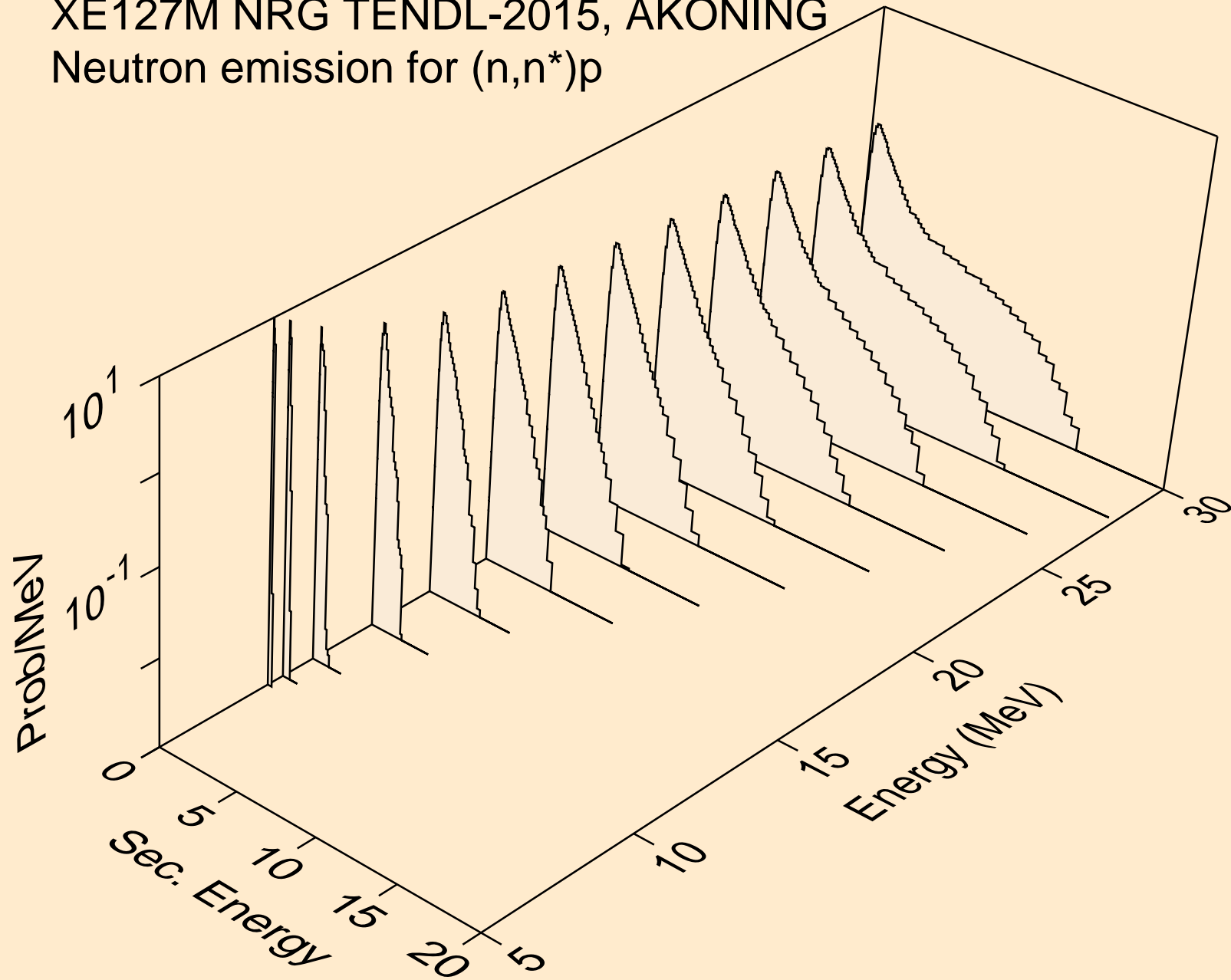
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



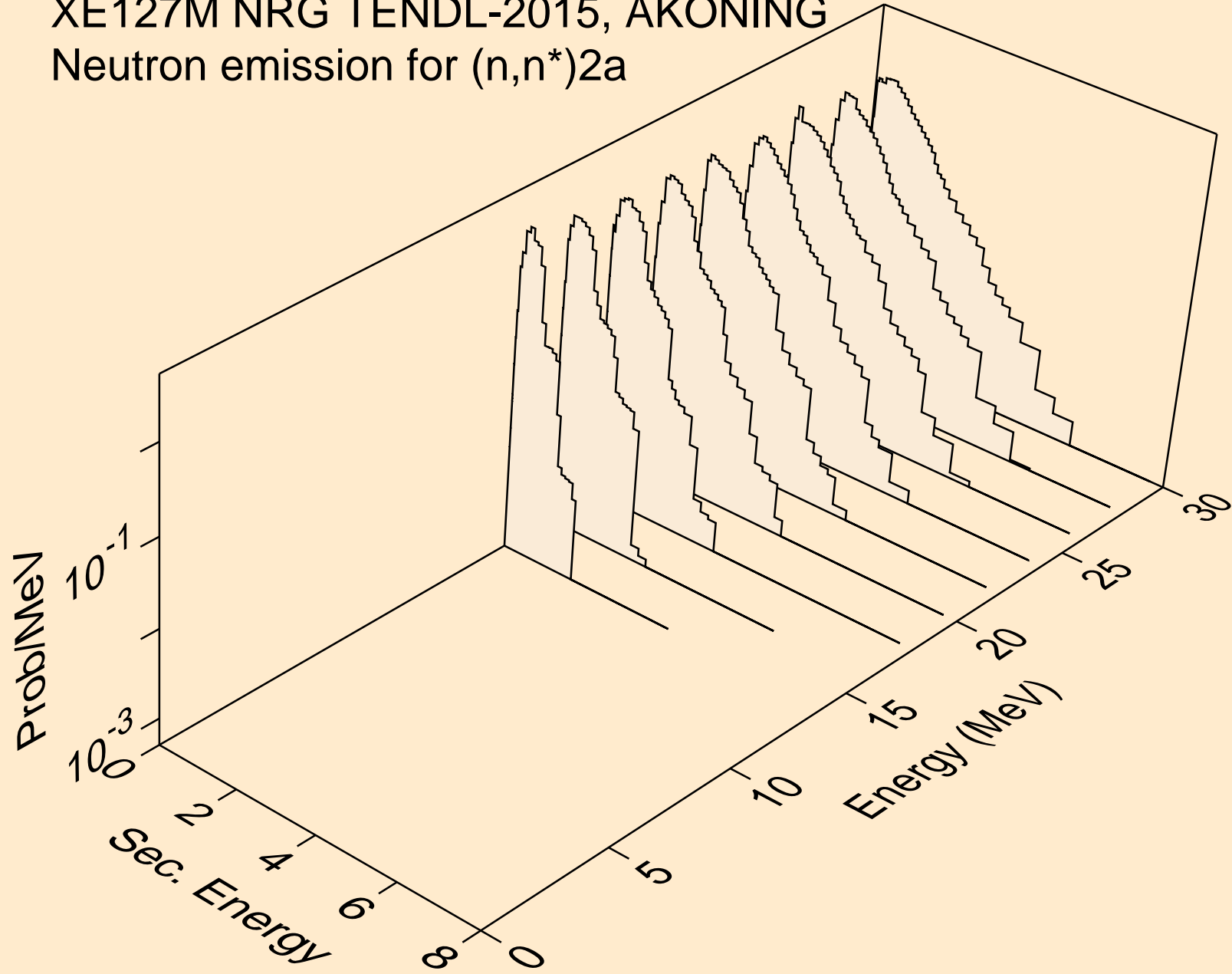
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

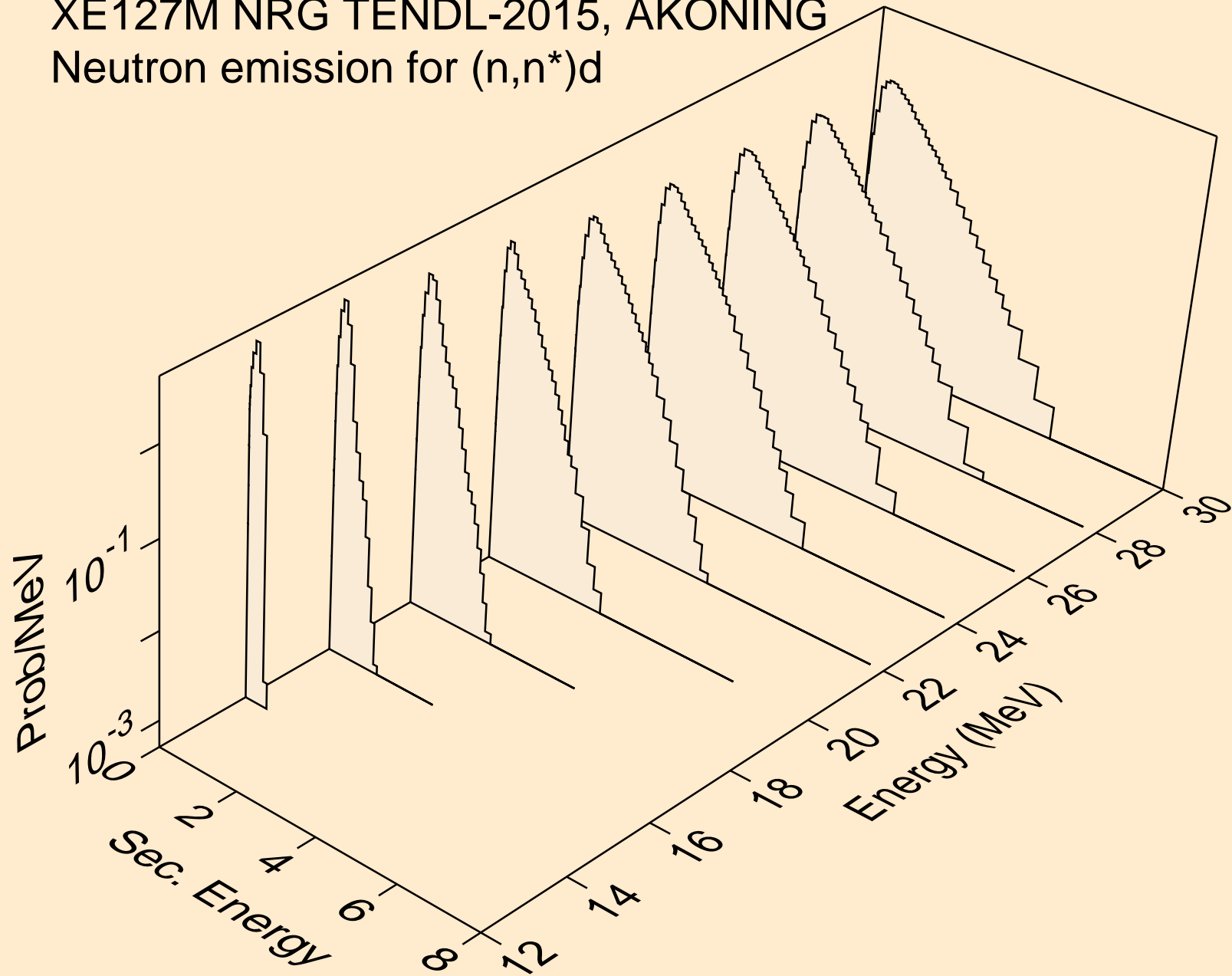


XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

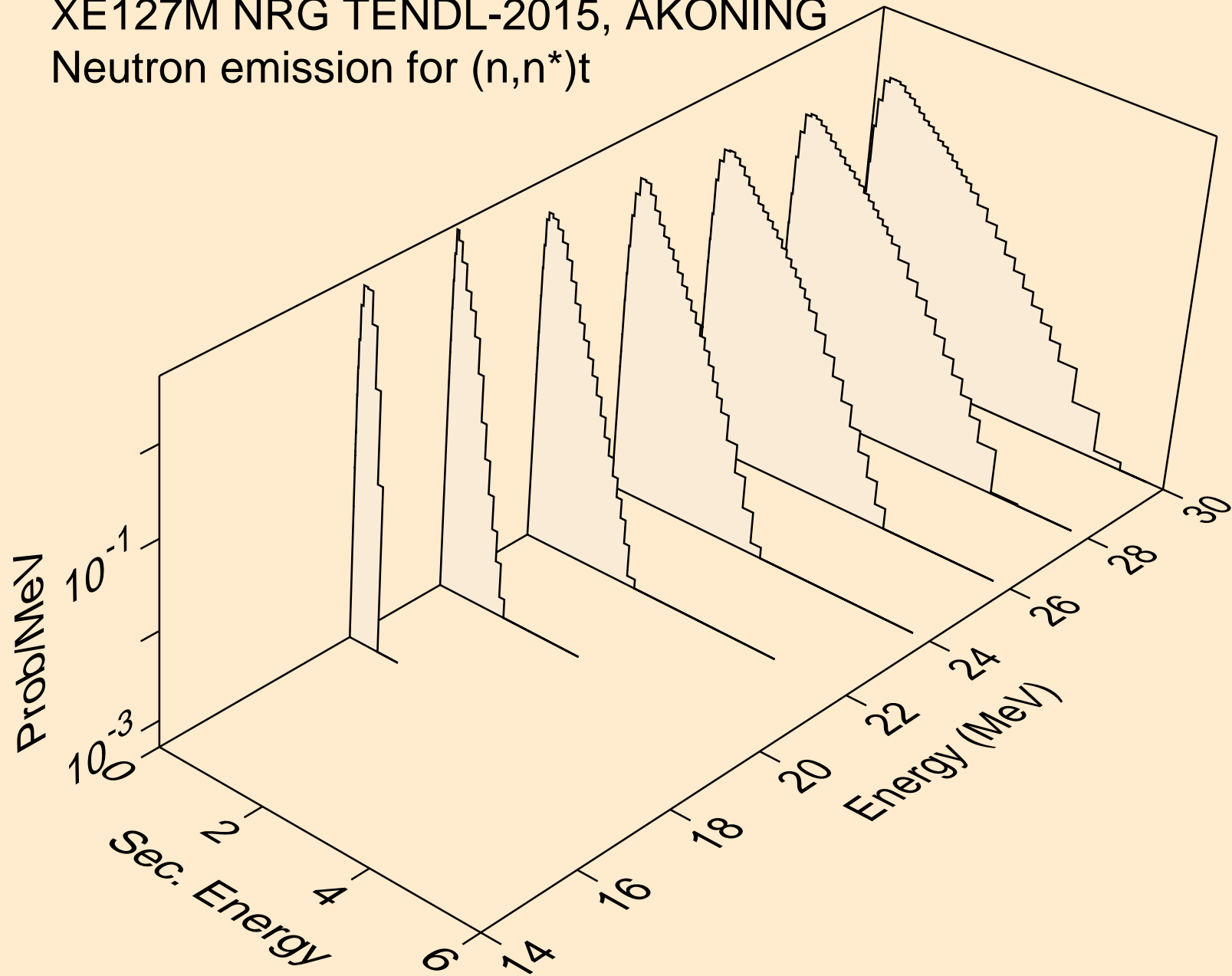




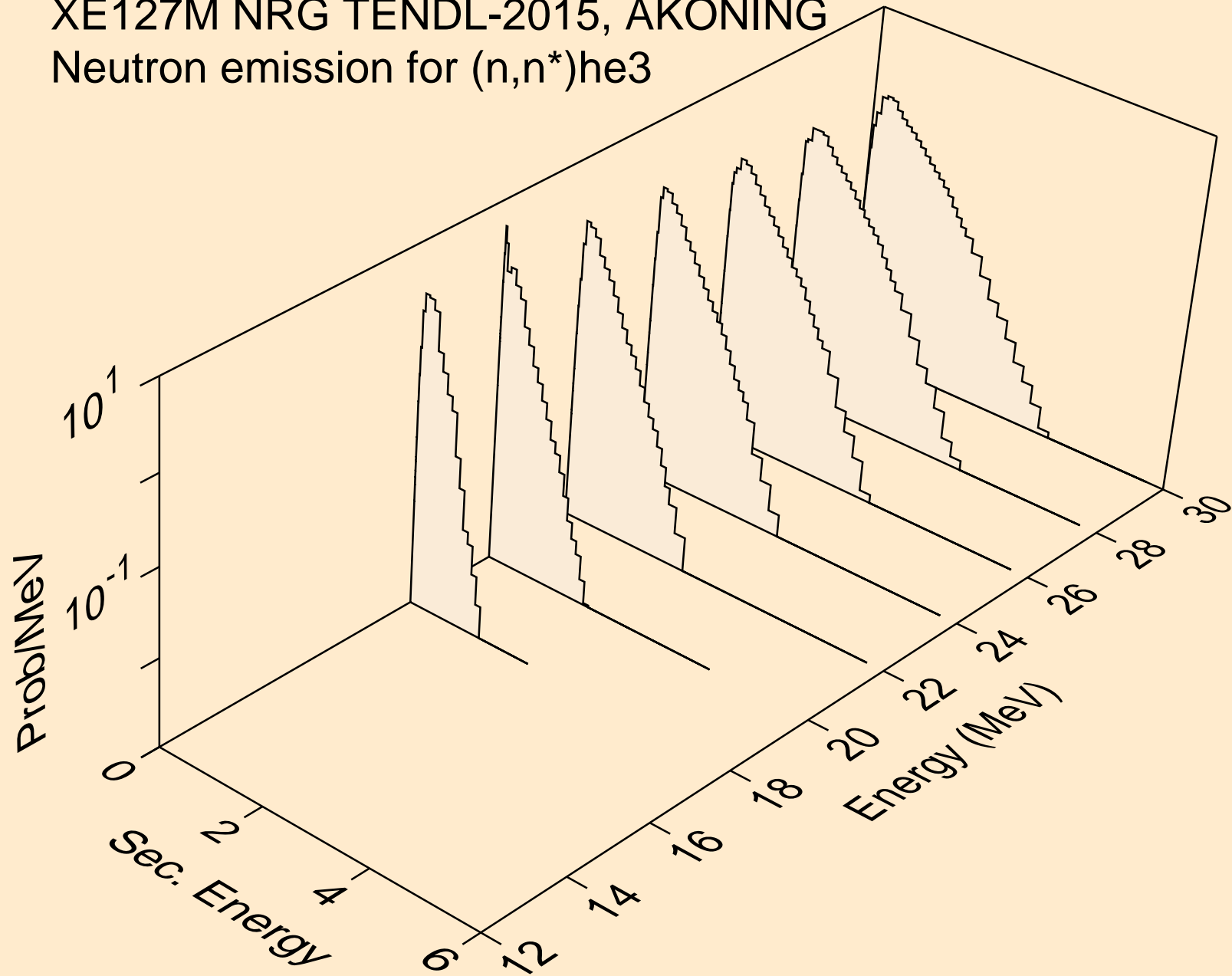
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



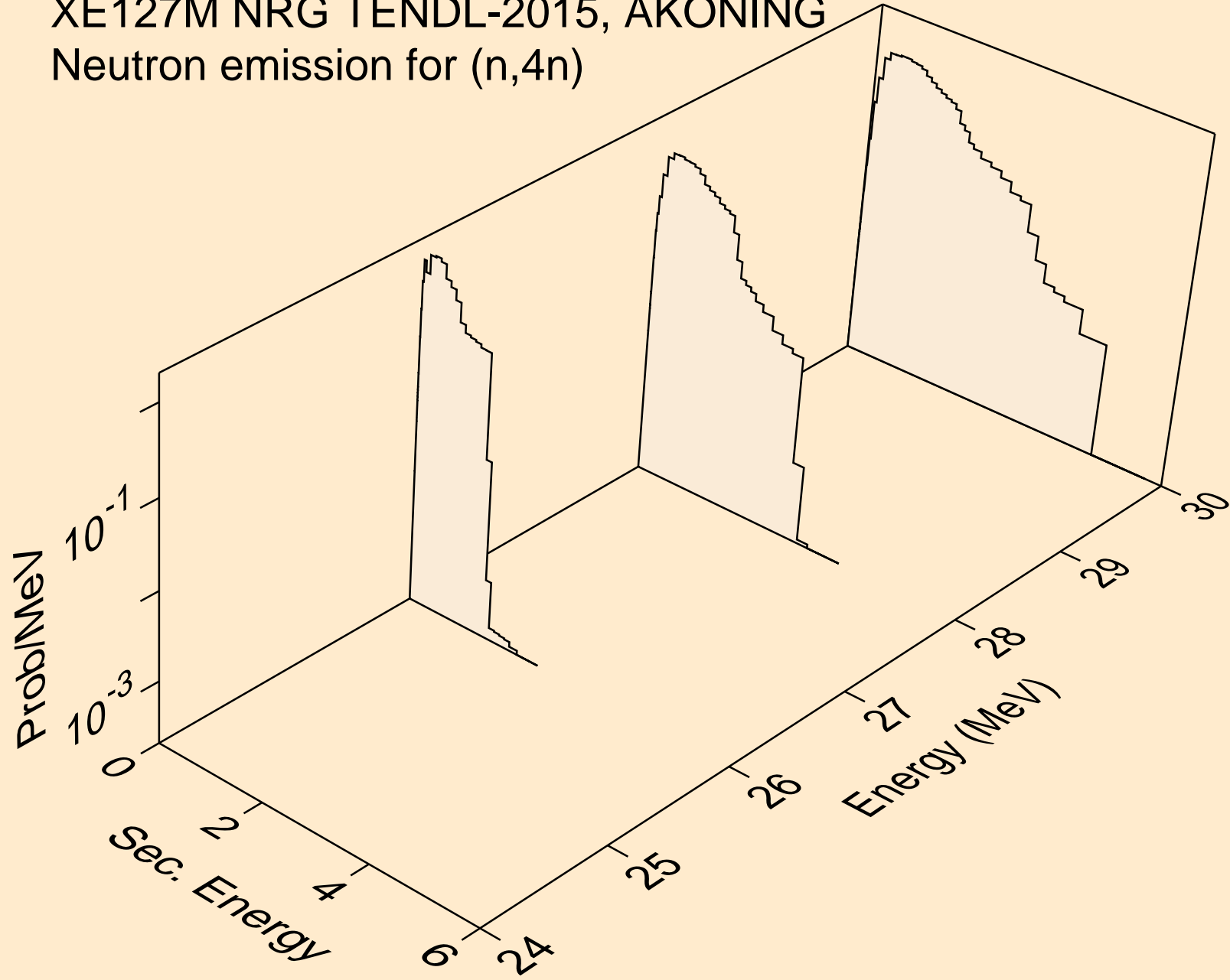
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



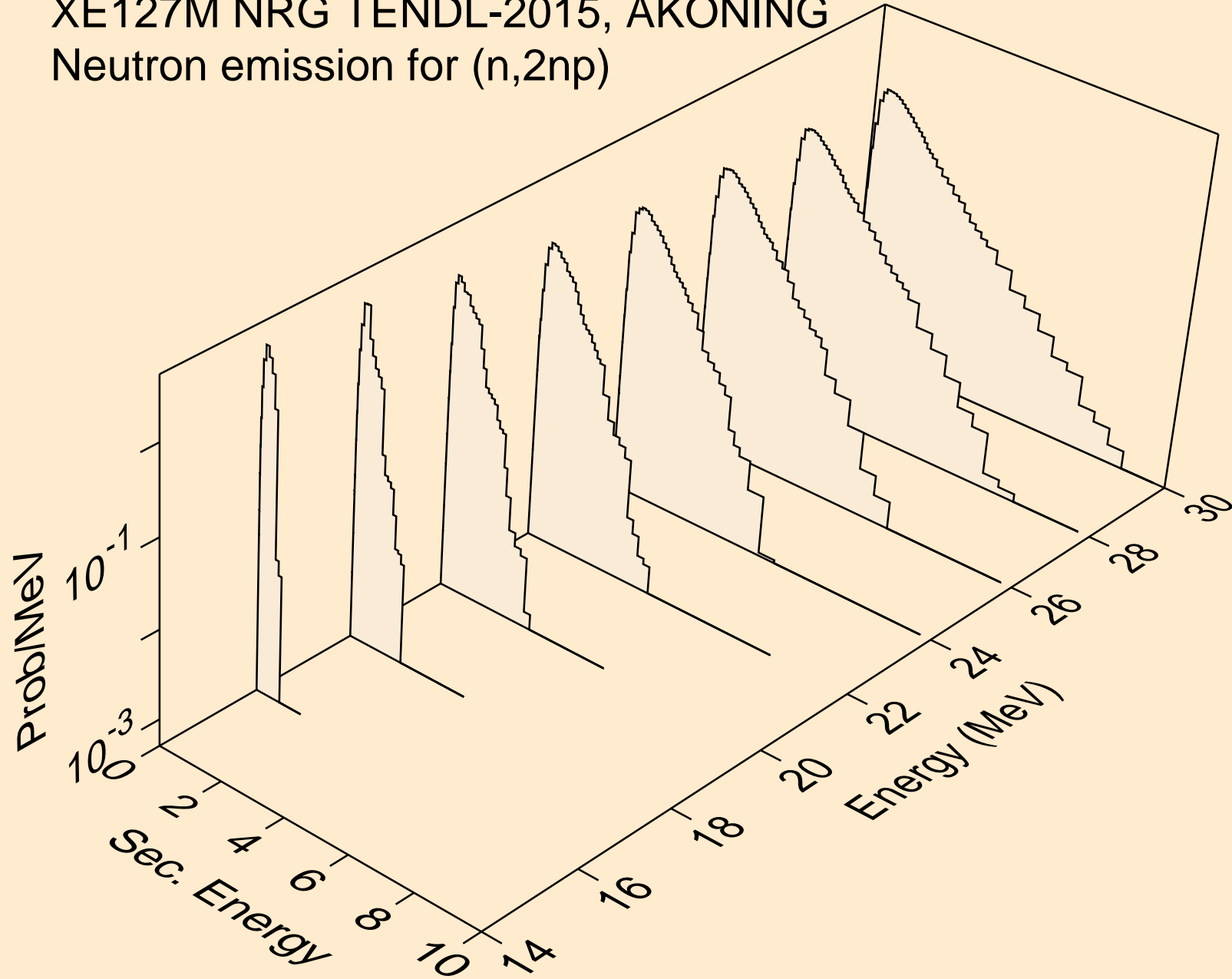
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



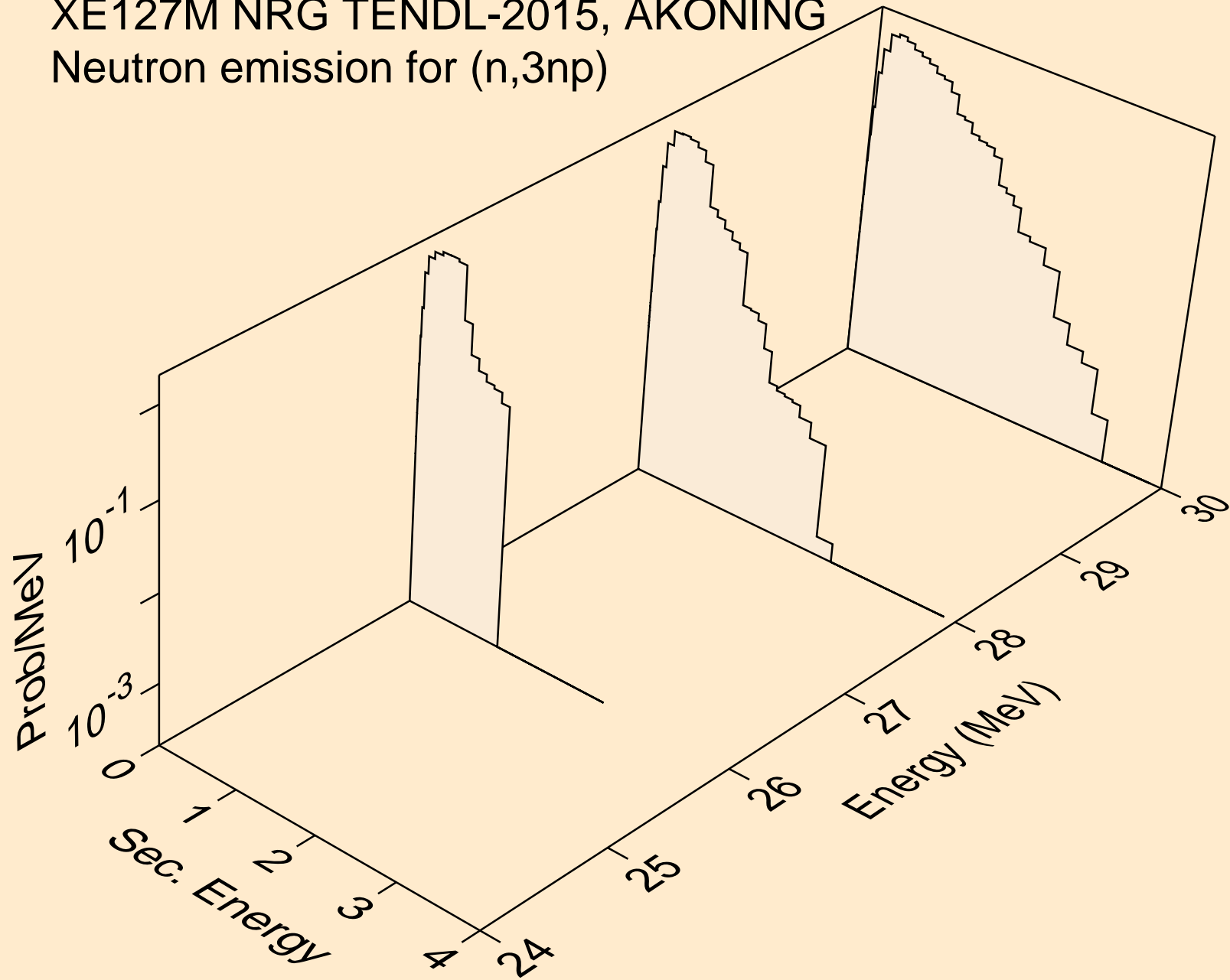
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



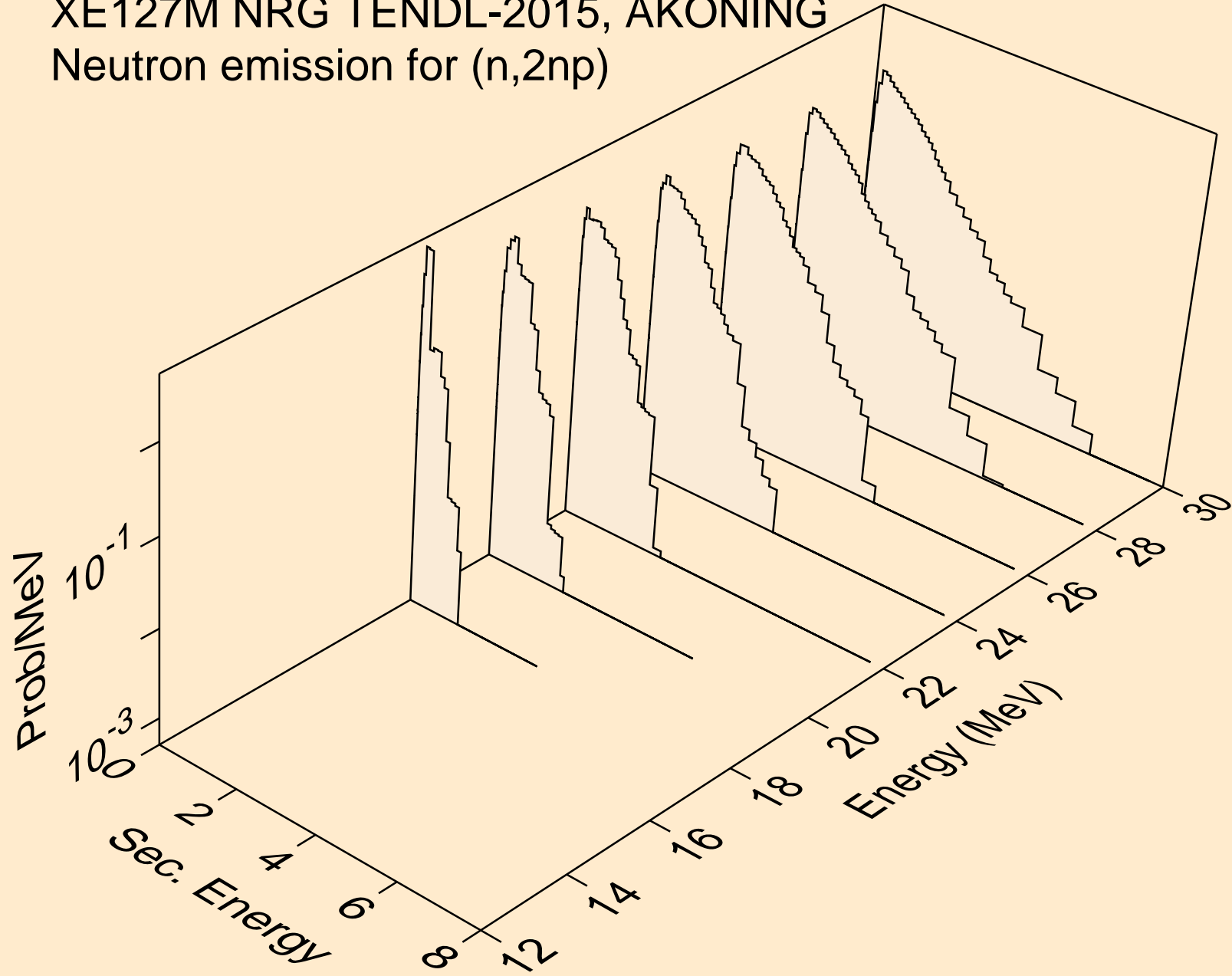
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



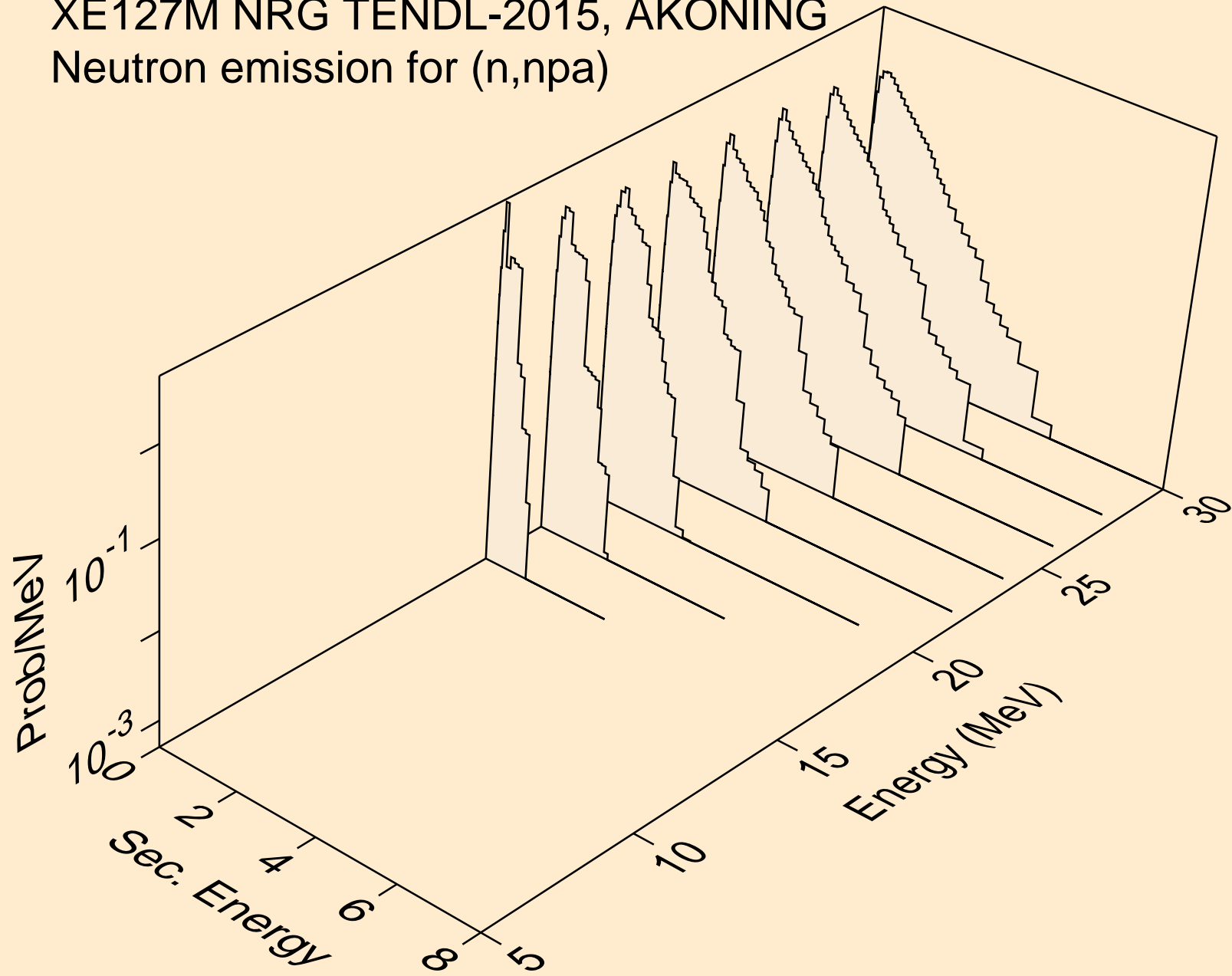
XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

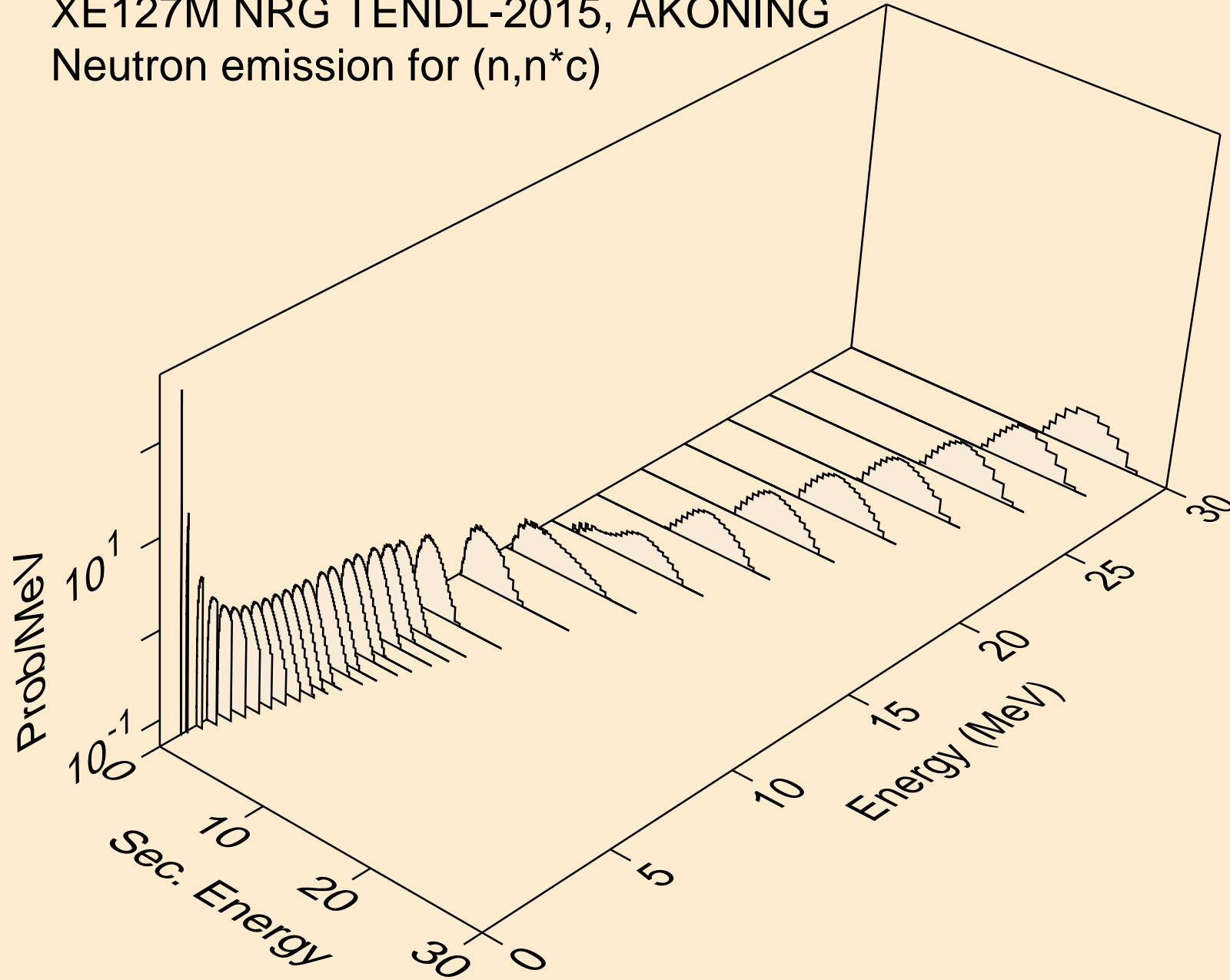


XE127M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

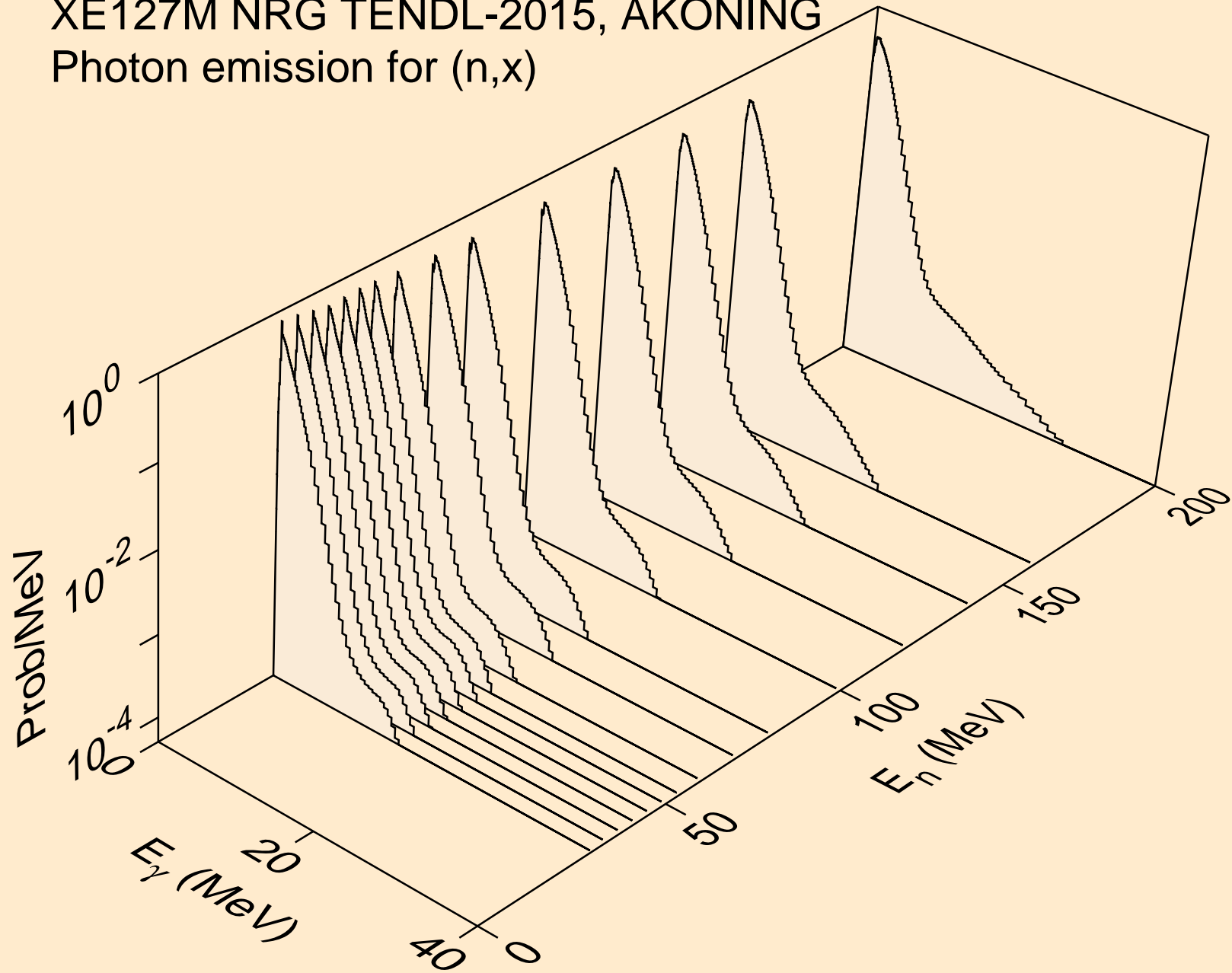




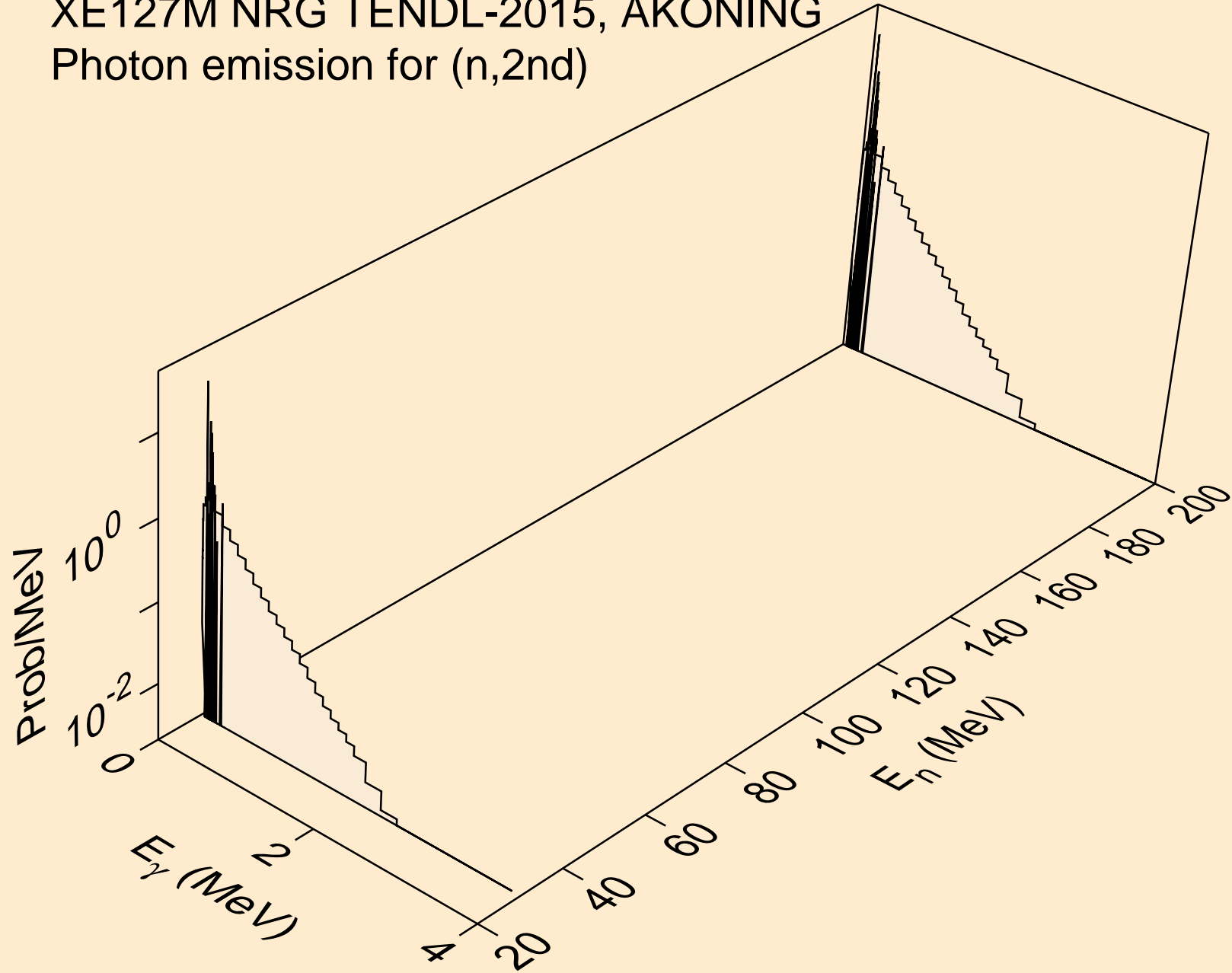
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Neutron emission for (n,n\*c)



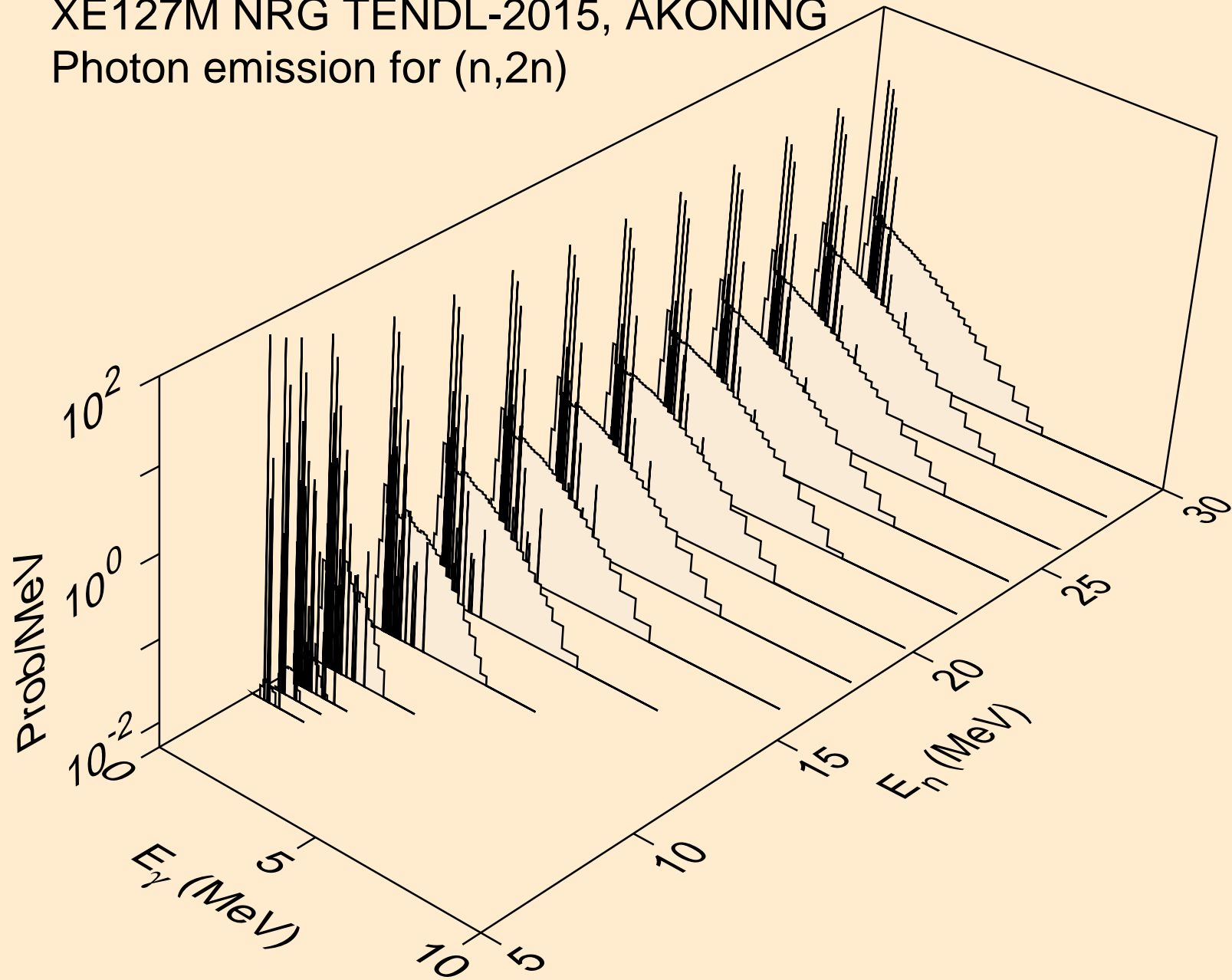
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Photon emission for (n,x)



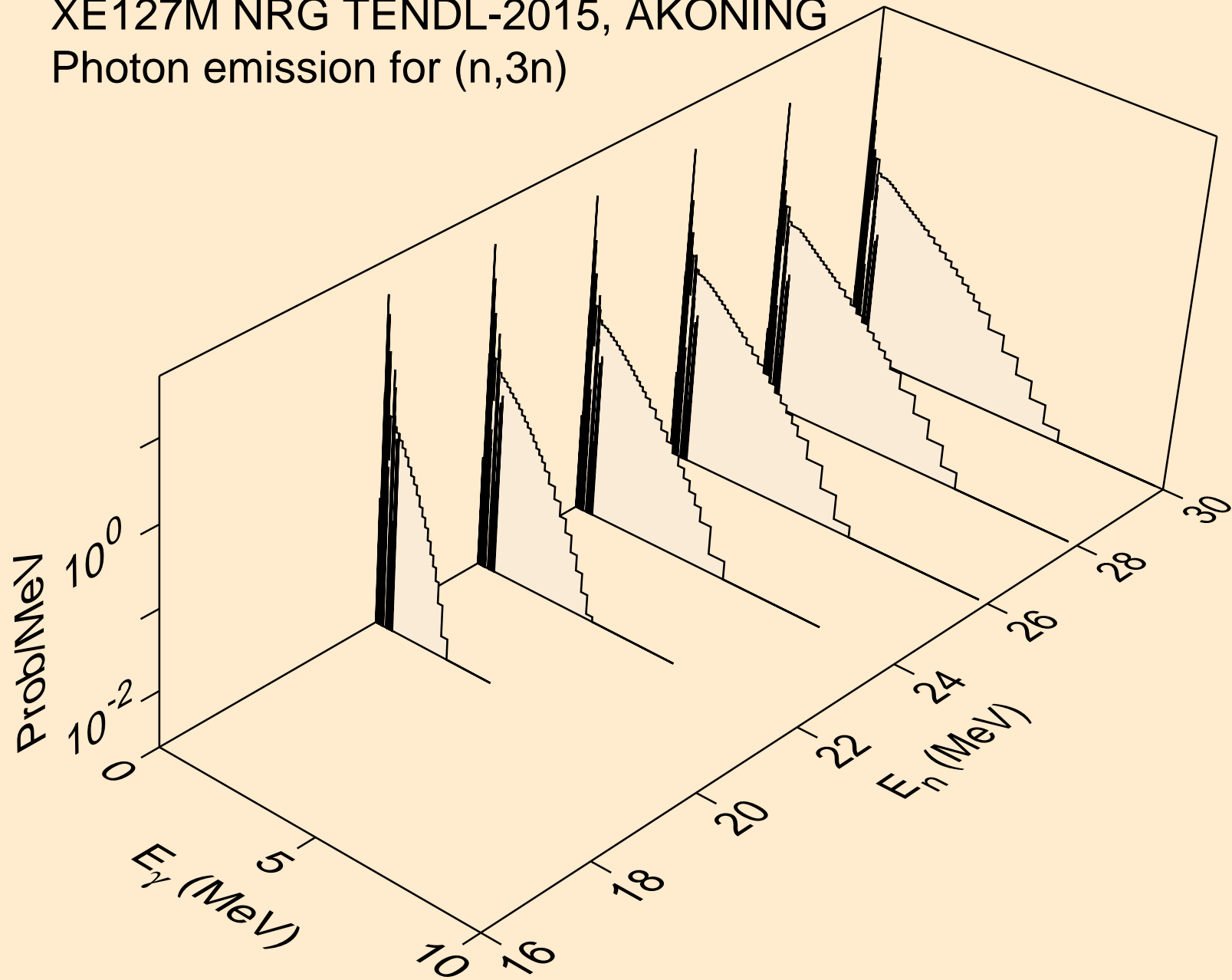
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Photon emission for (n,2nd)



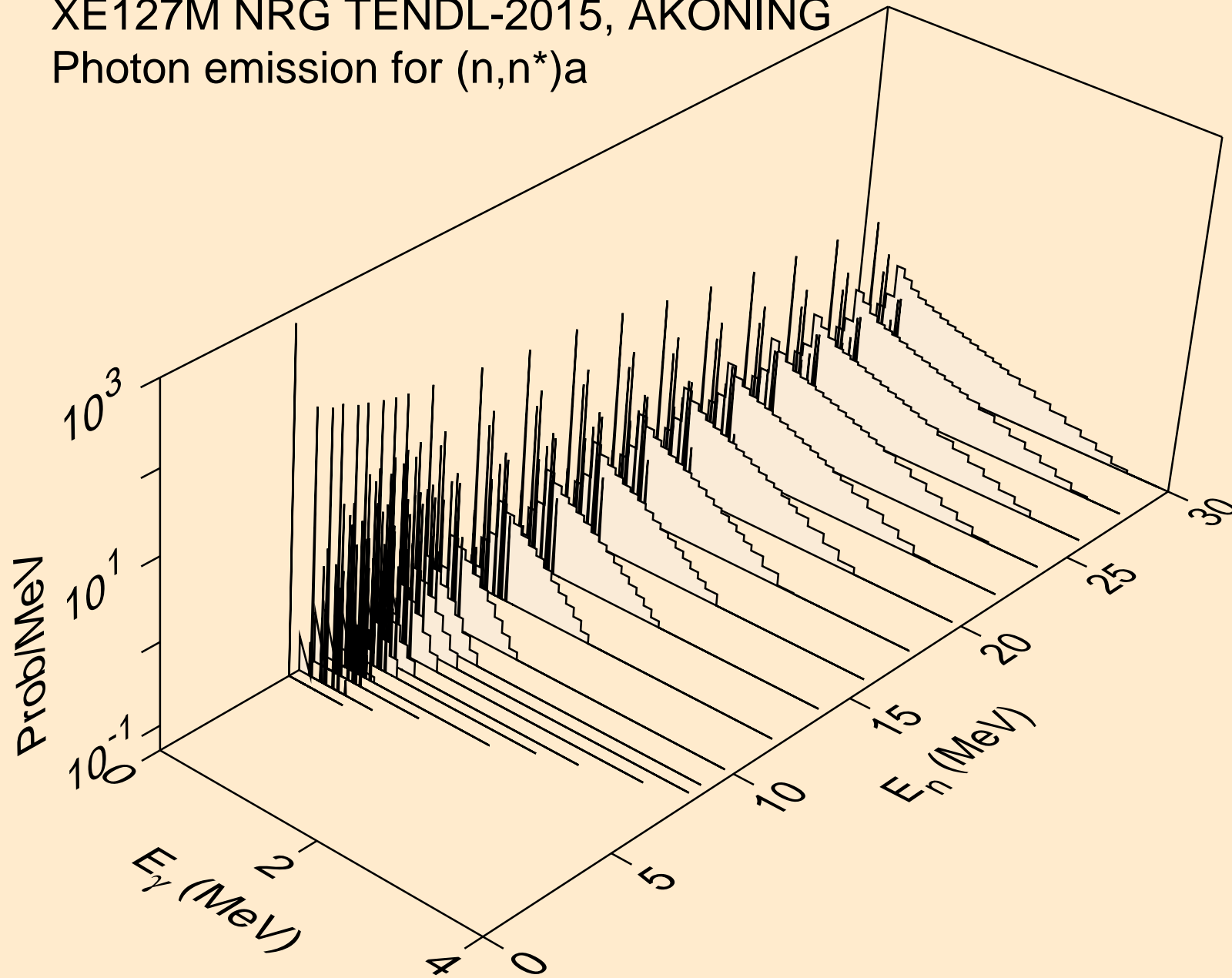
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Photon emission for (n,2n)



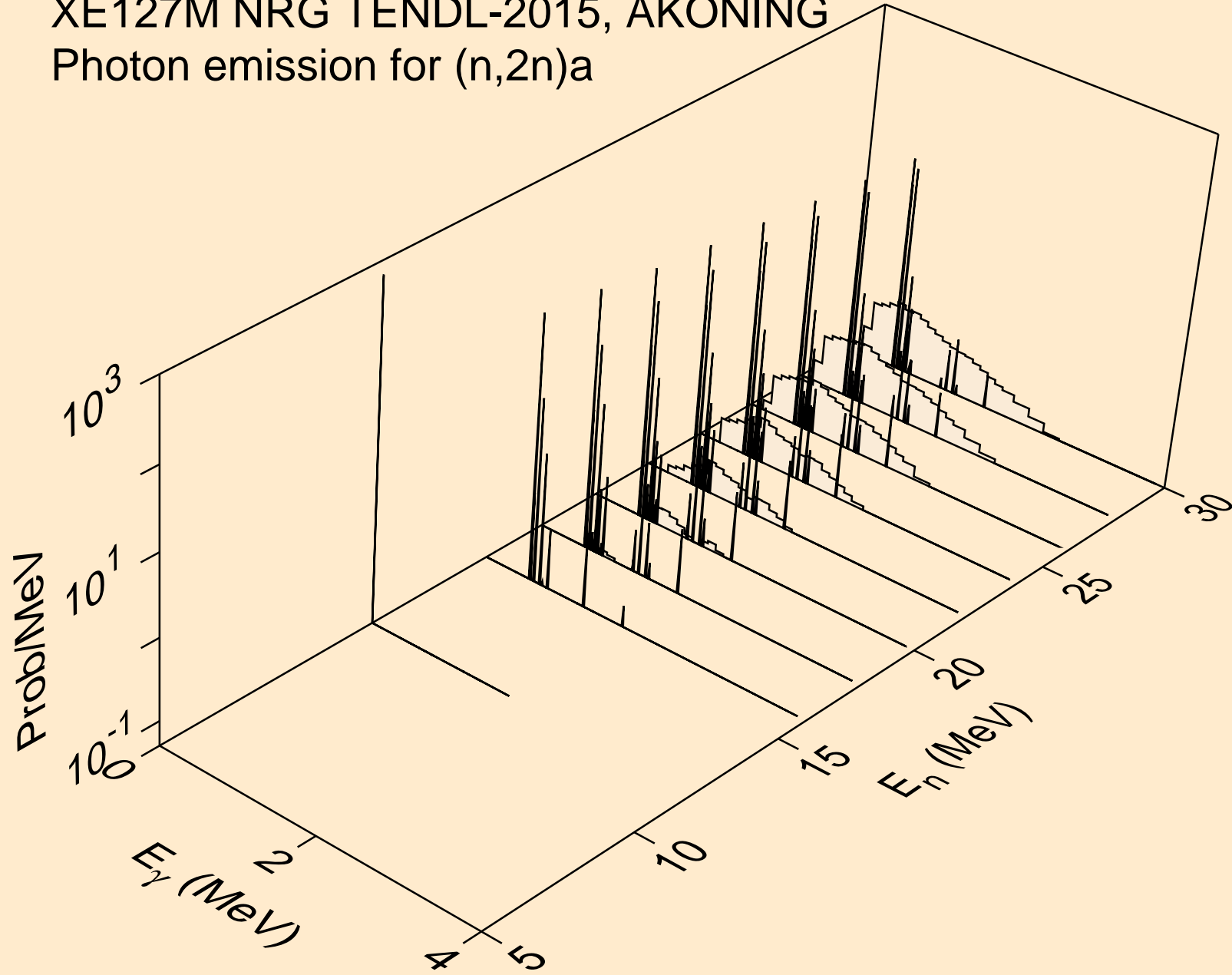
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Photon emission for (n,3n)



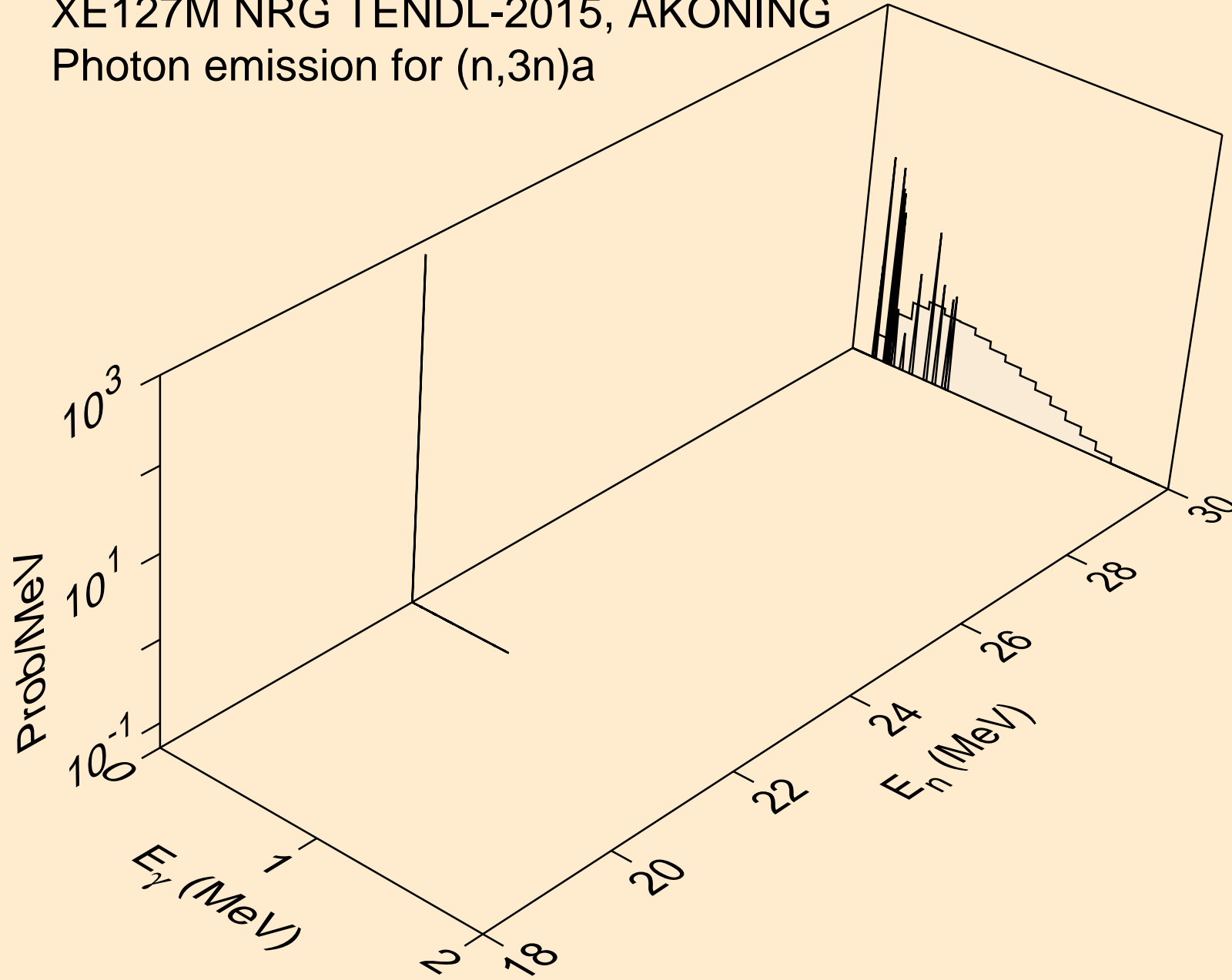
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Photon emission for (n,n\*)a



XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

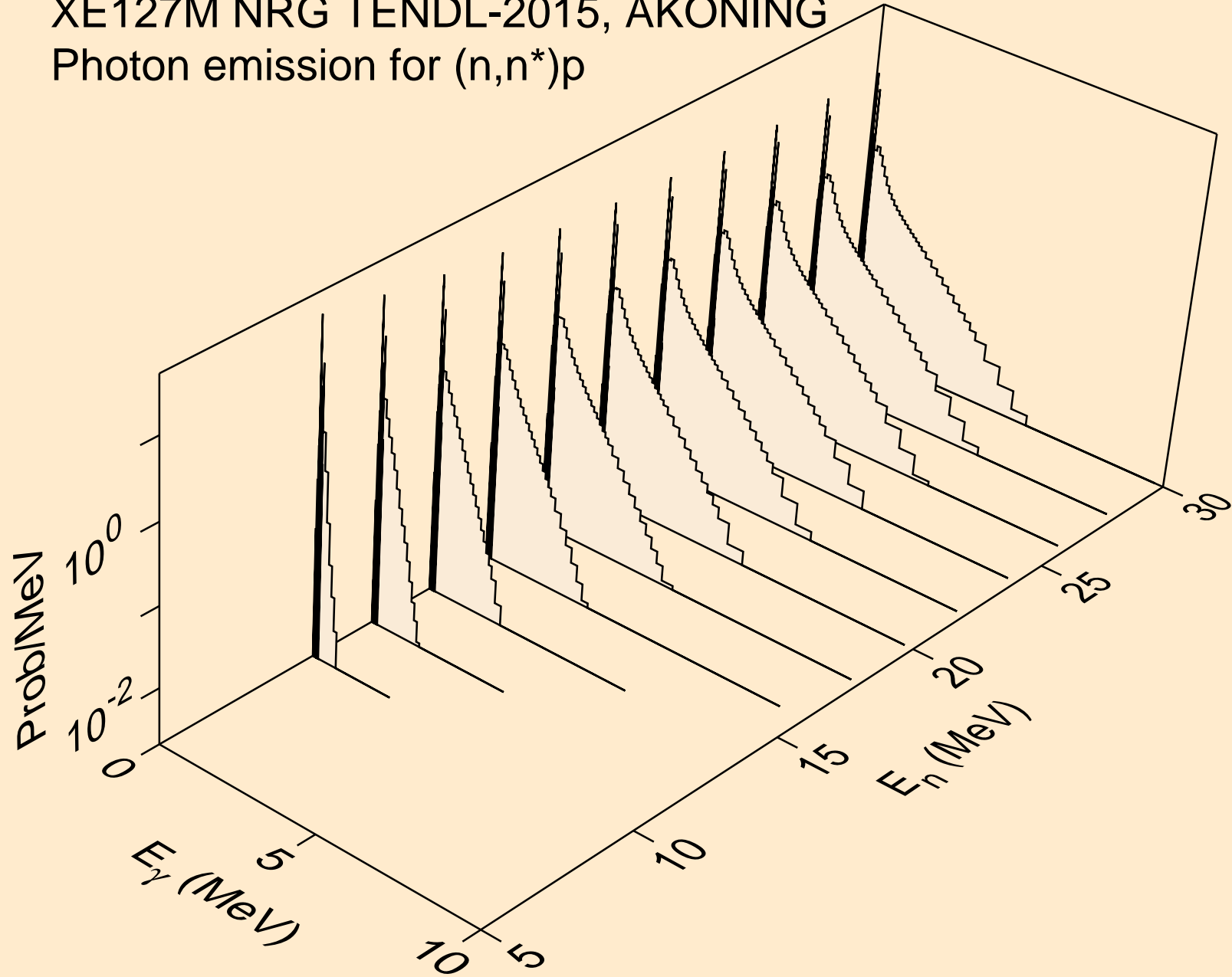


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Photon emission for (n,3n)a

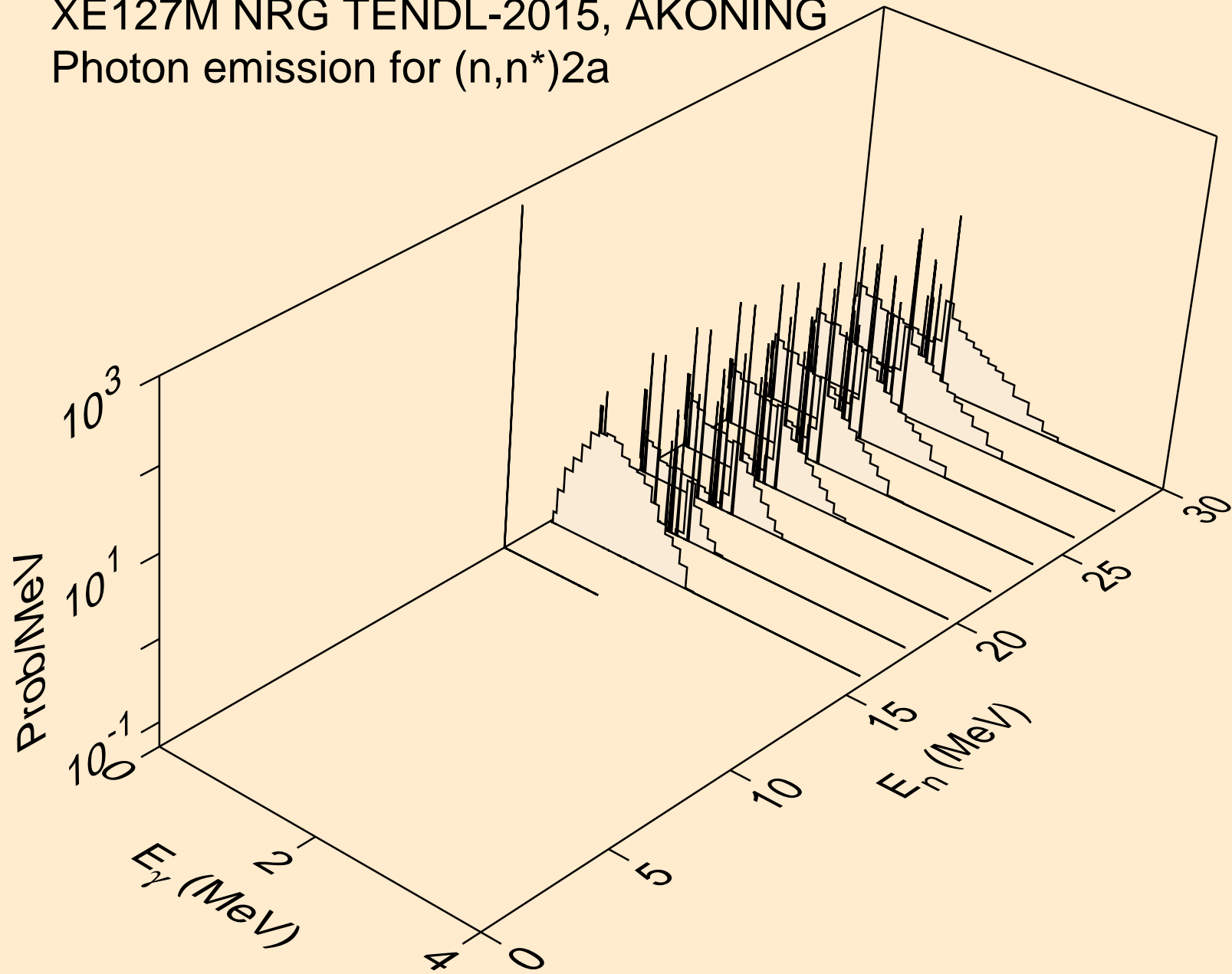




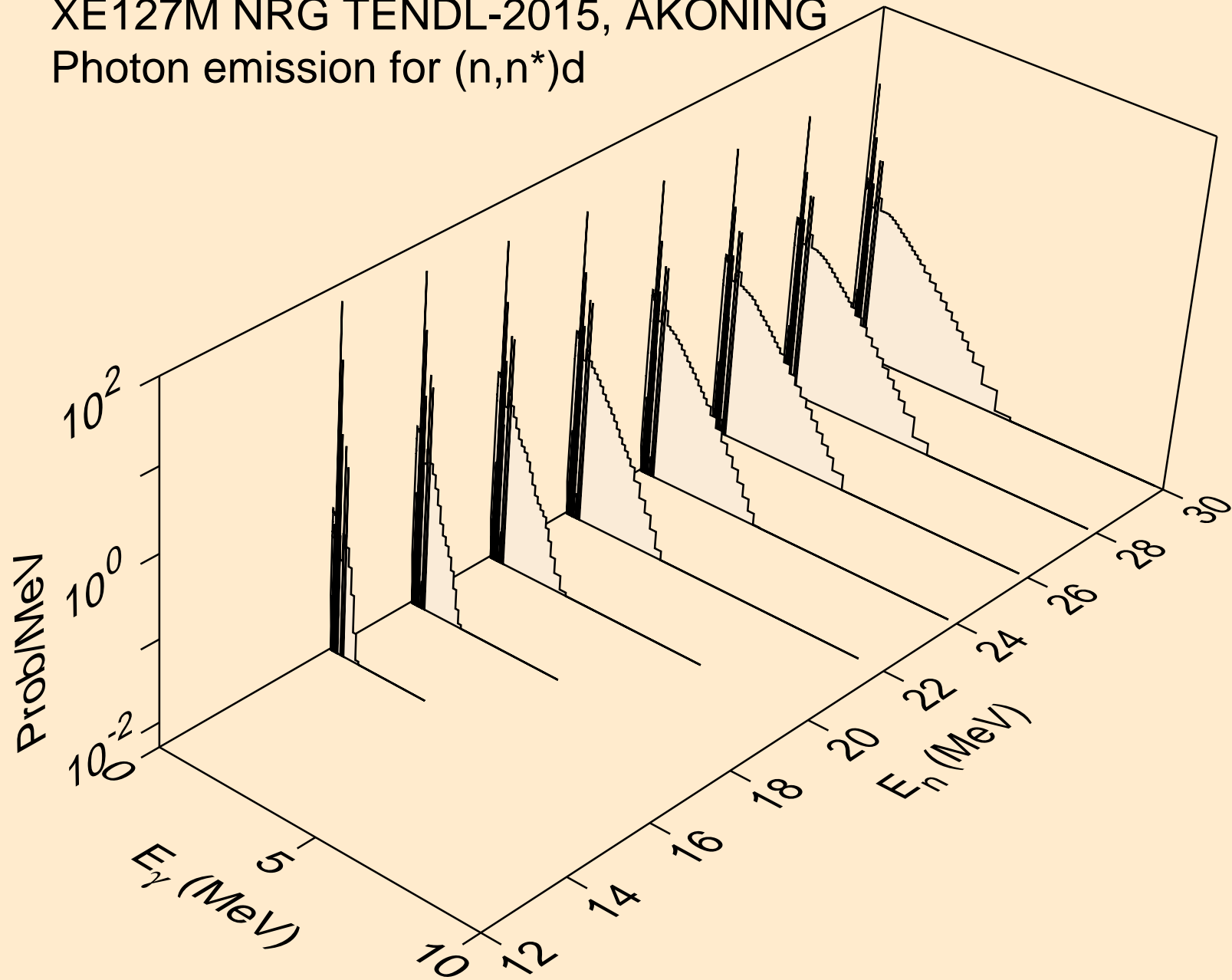
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Photon emission for (n,n\*)p



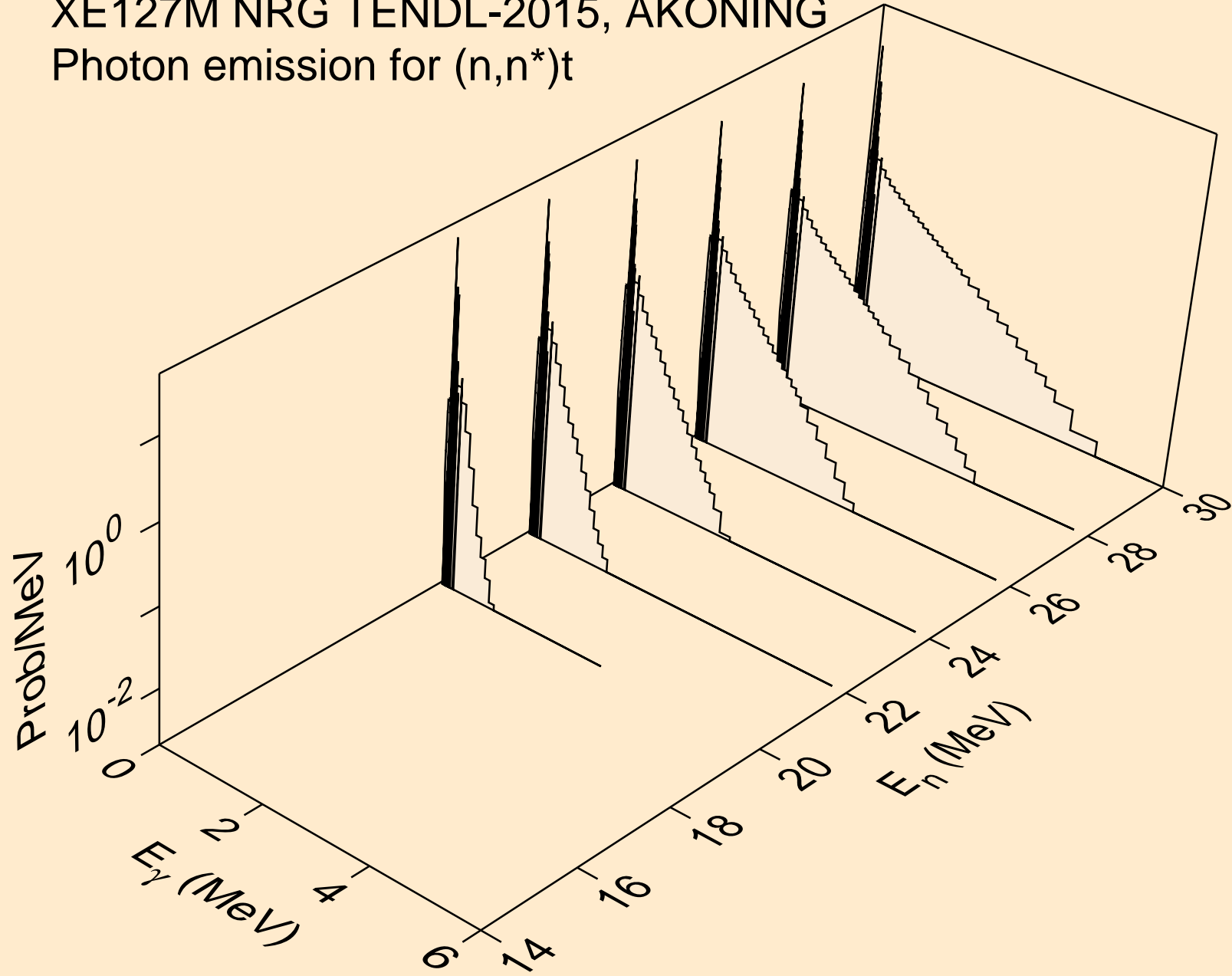
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Photon emission for (n,n\*)2a



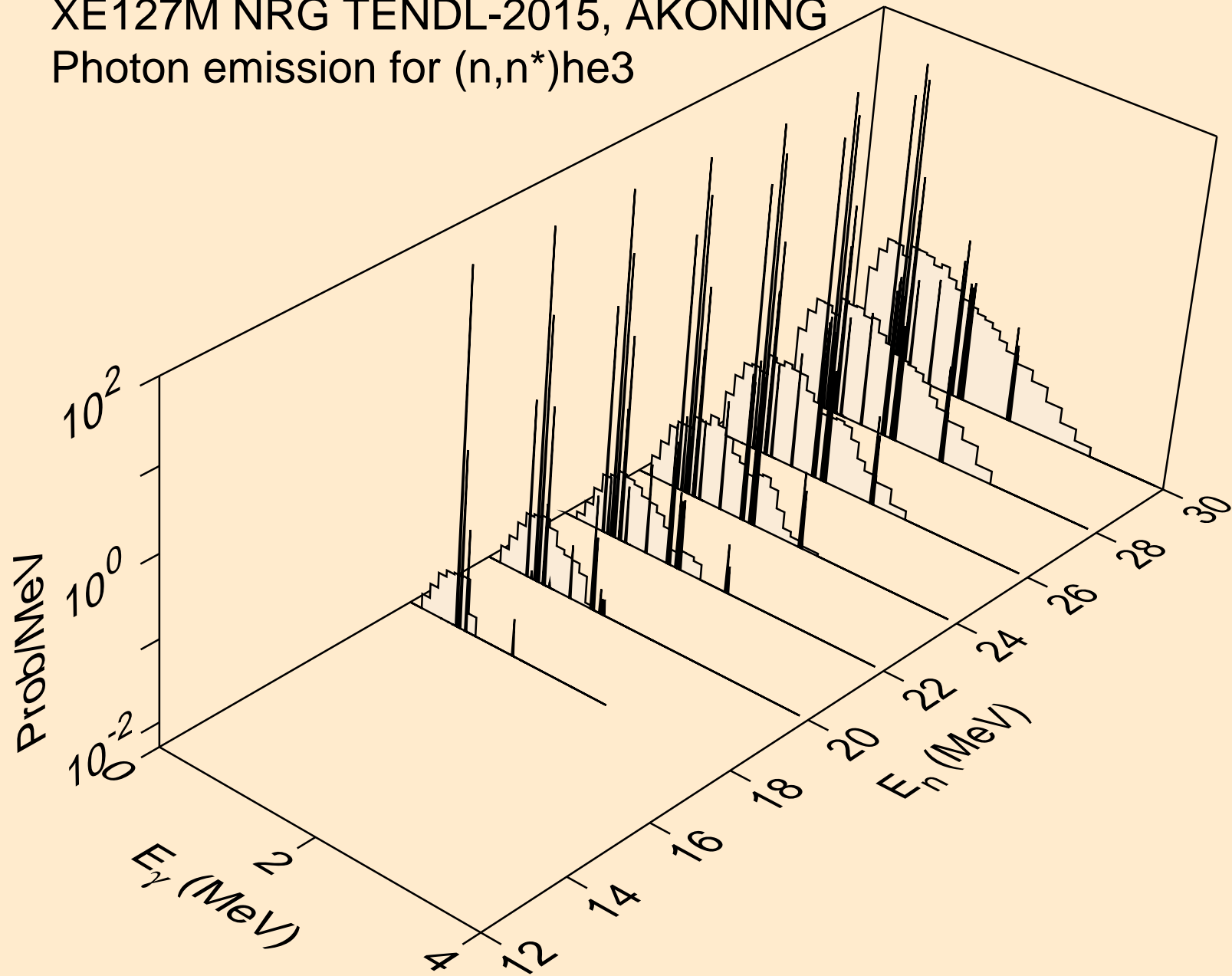
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Photon emission for (n,n\*)d



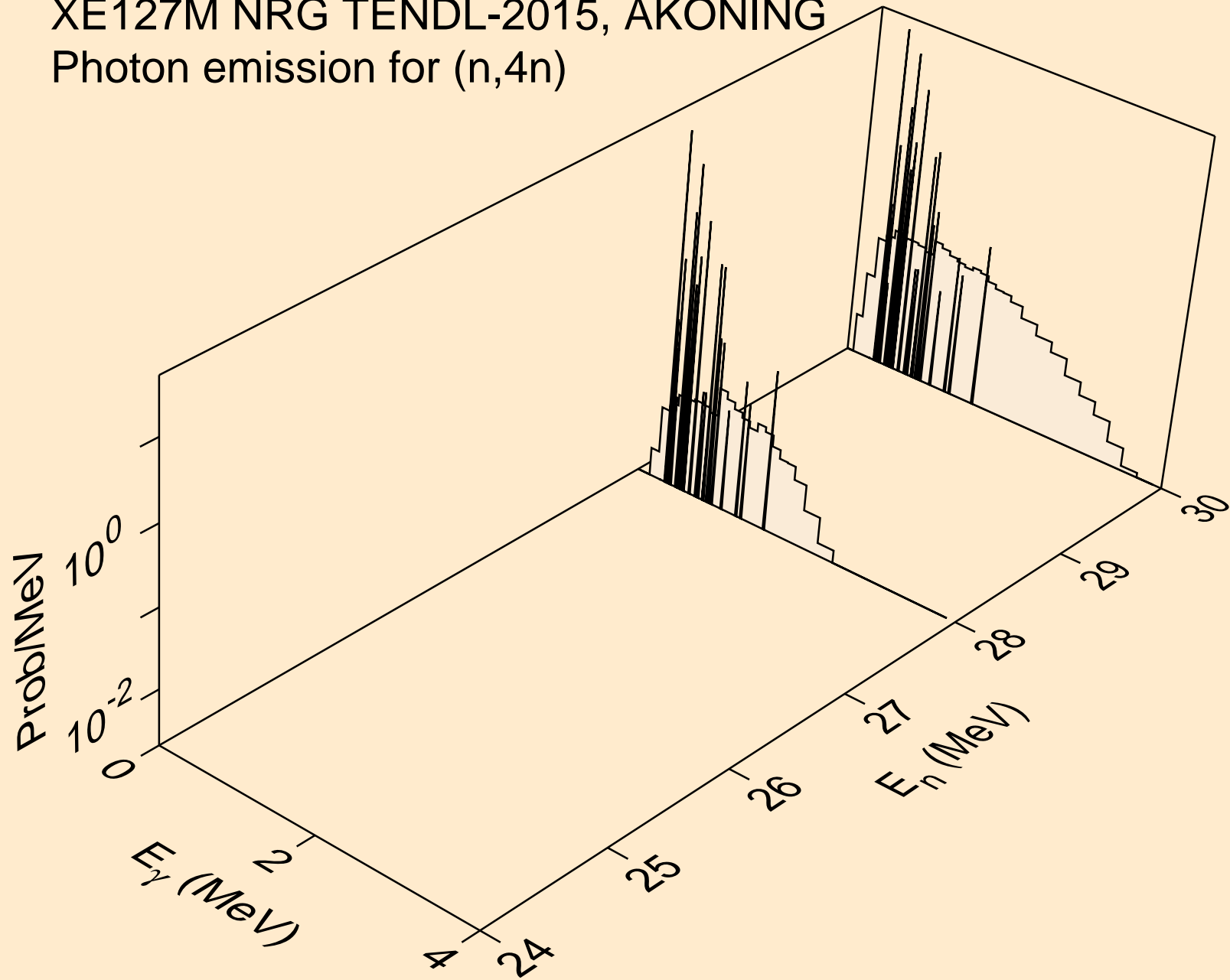
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Photon emission for (n,n\*)t



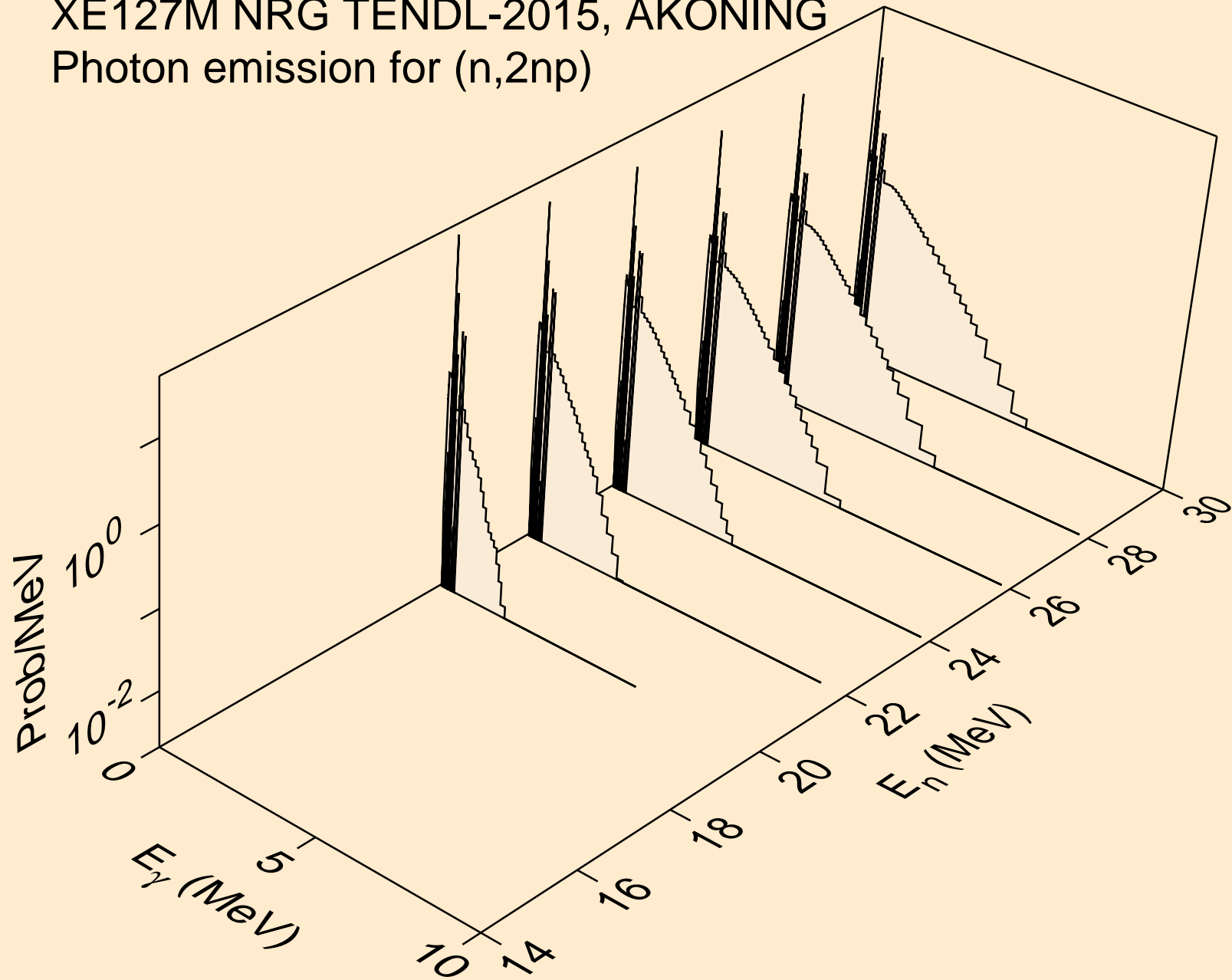
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Photon emission for (n,n\*)he3



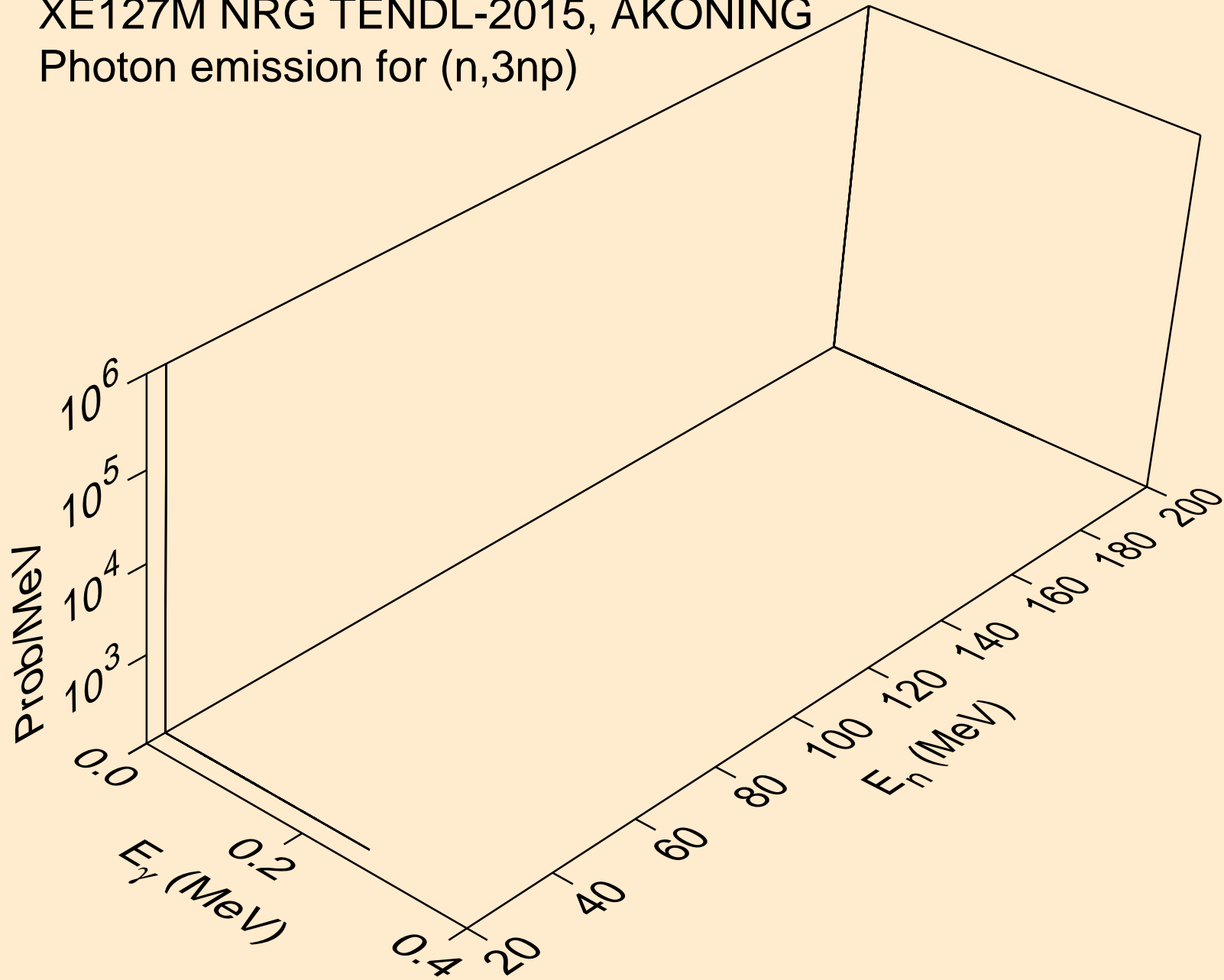
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Photon emission for (n,4n)



XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

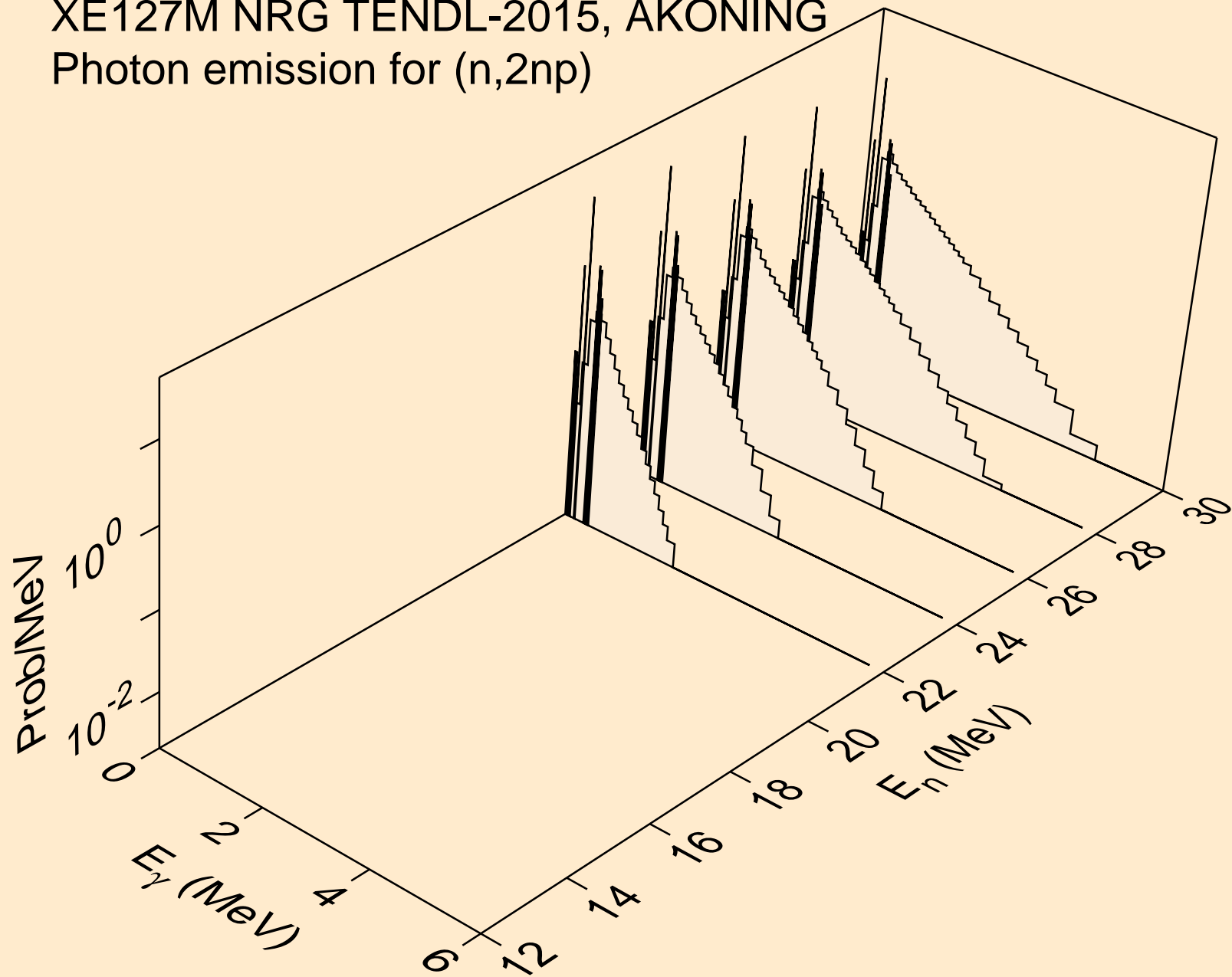


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Photon emission for (n,3np)

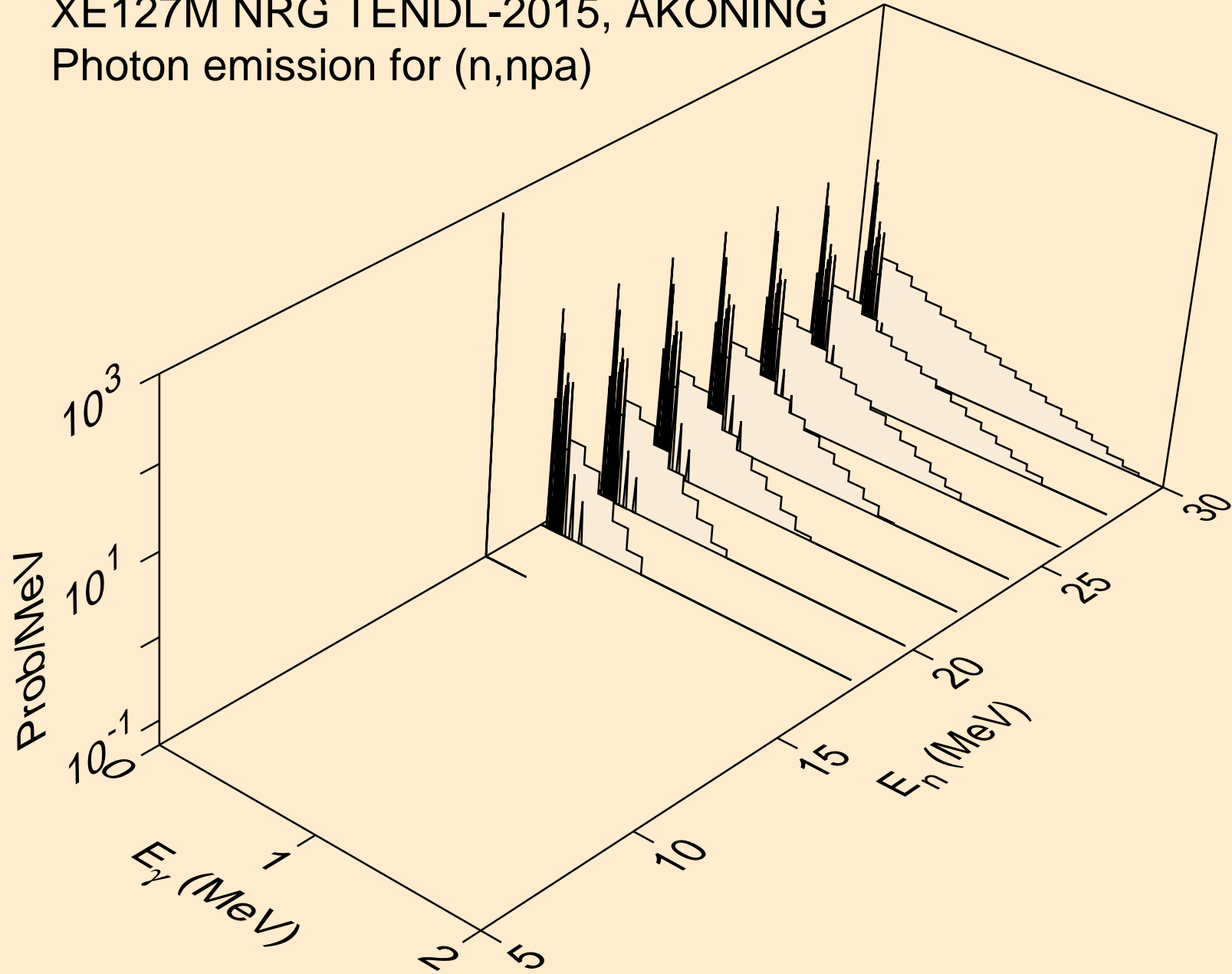




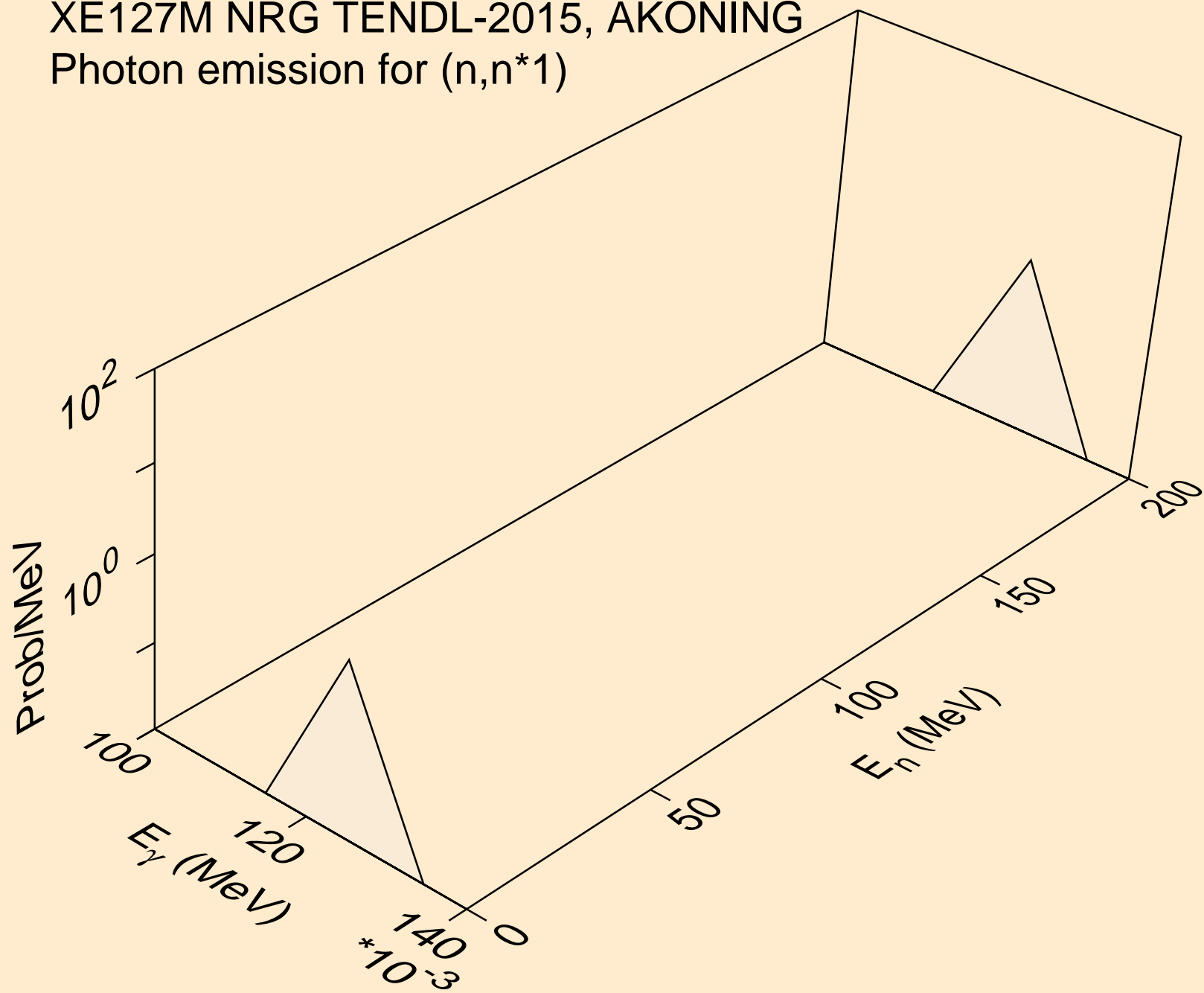
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Photon emission for (n,2np)



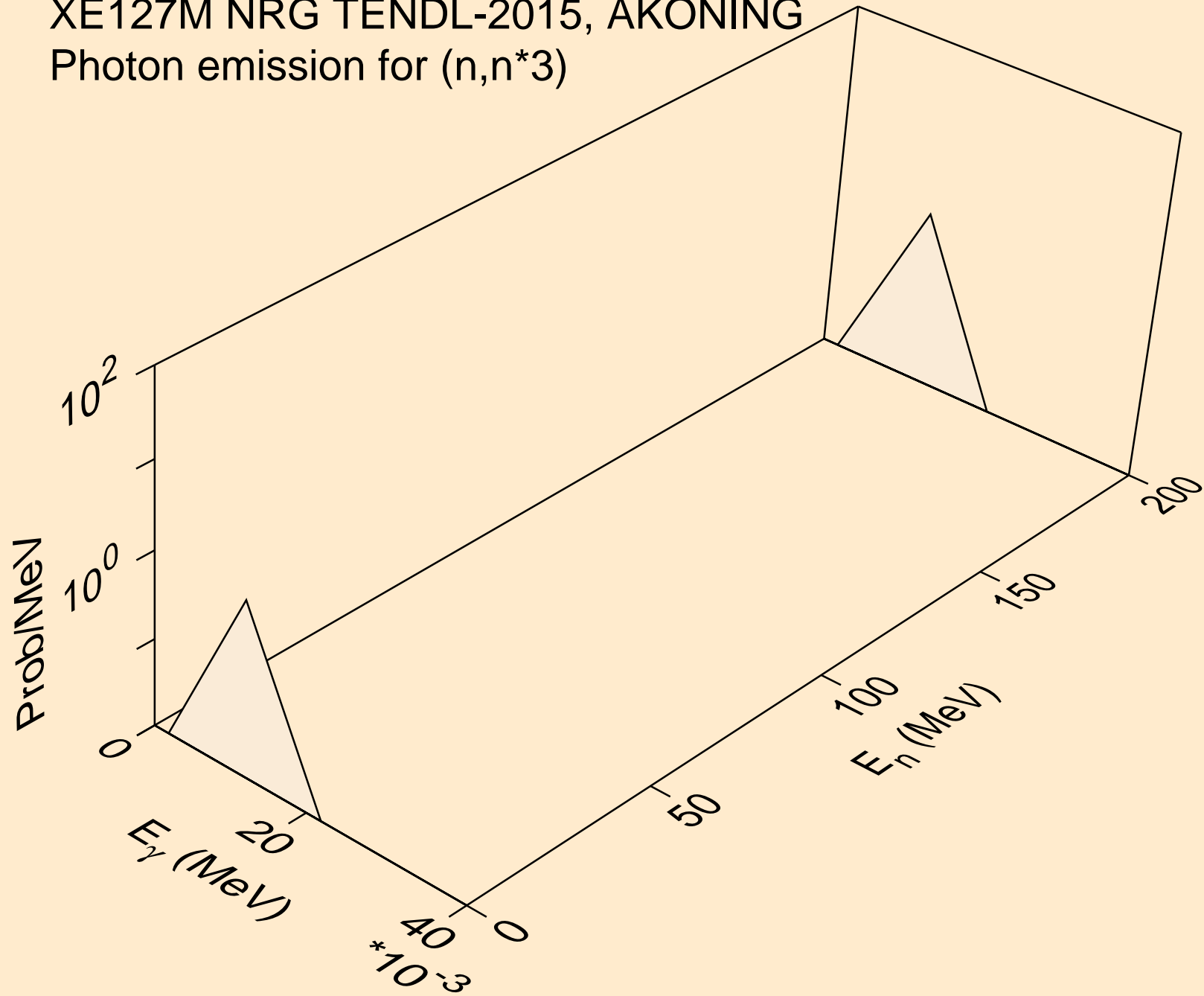
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Photon emission for (n,npa)



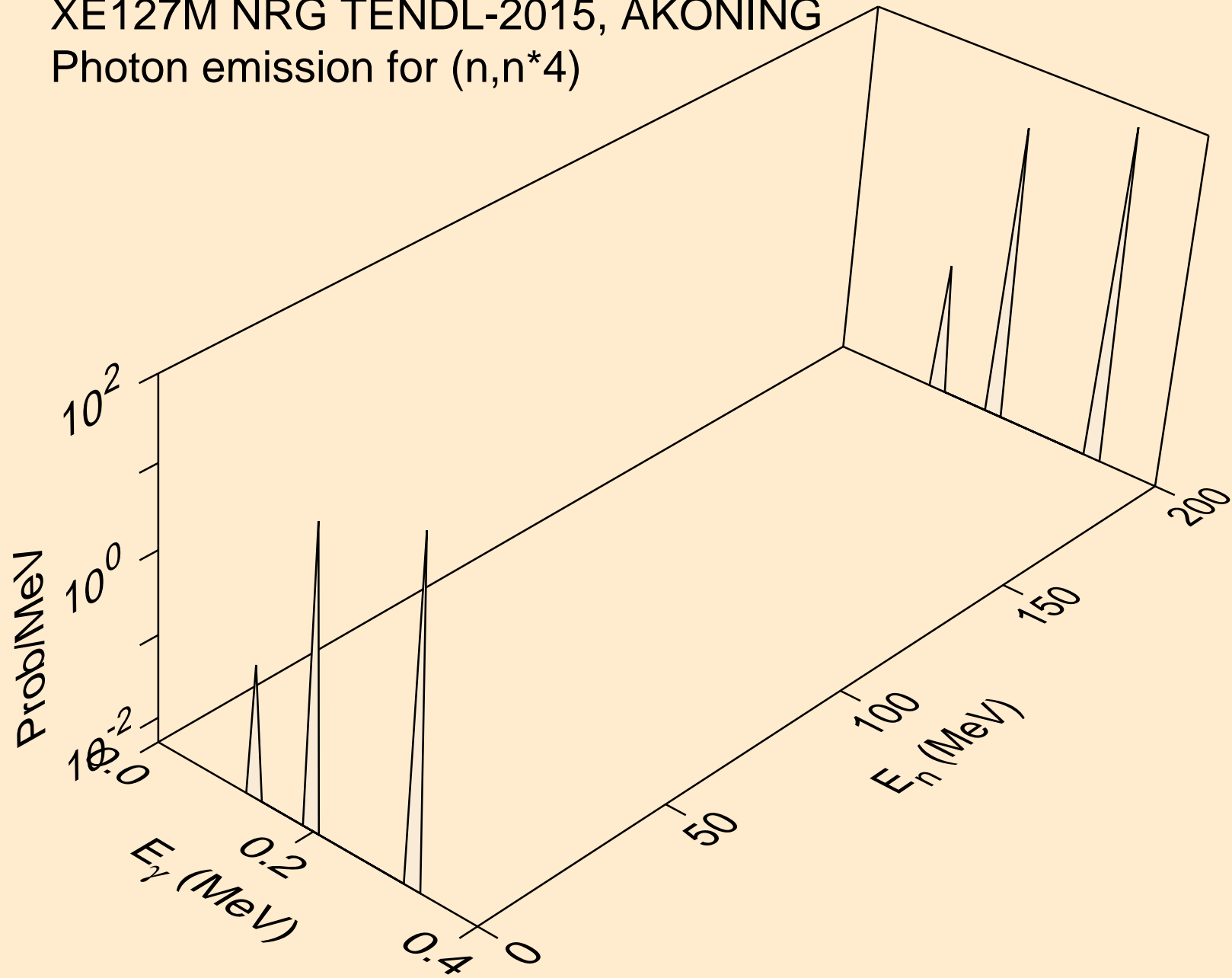
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Photon emission for (n,n\*1)



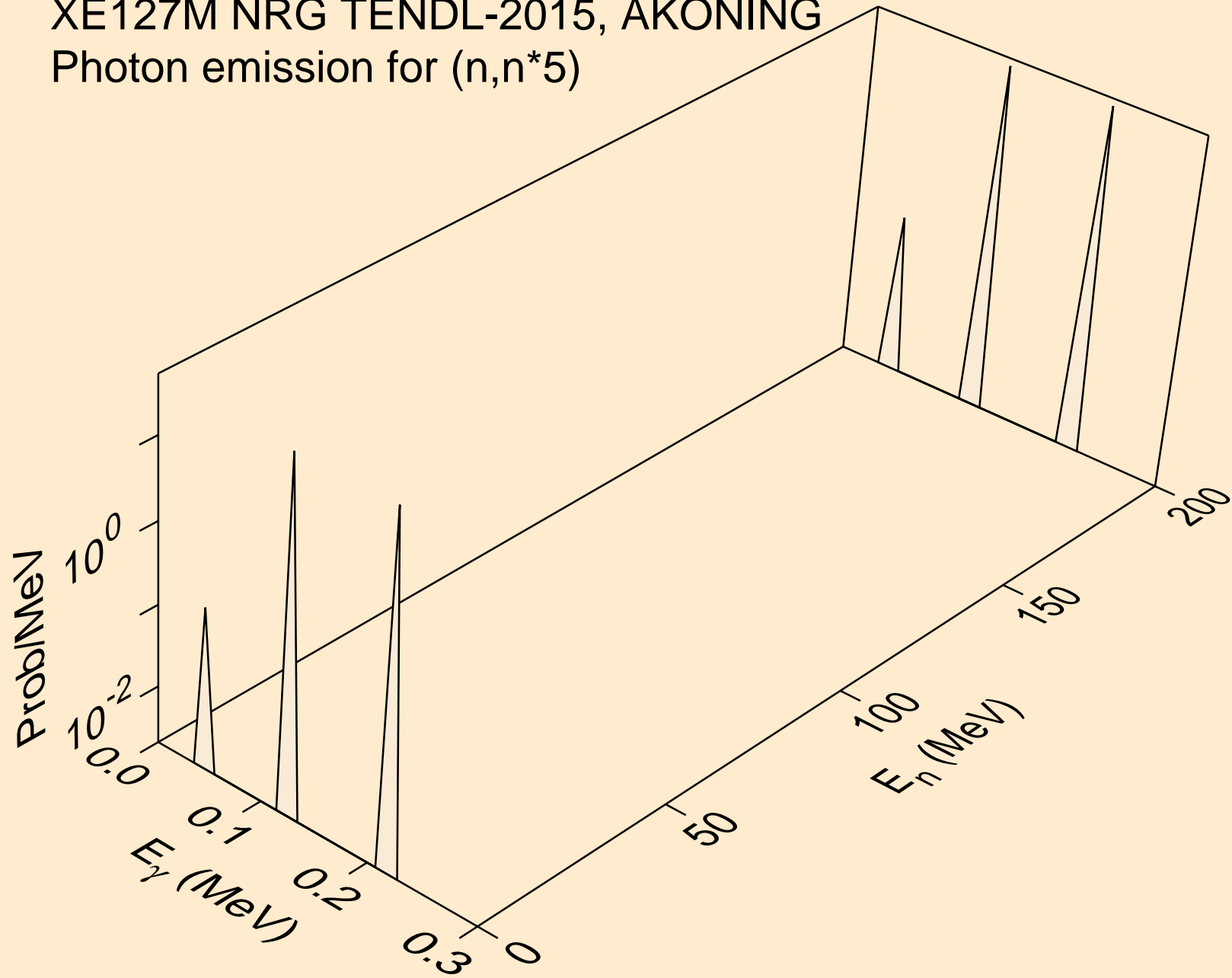
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Photon emission for (n,n\*3)



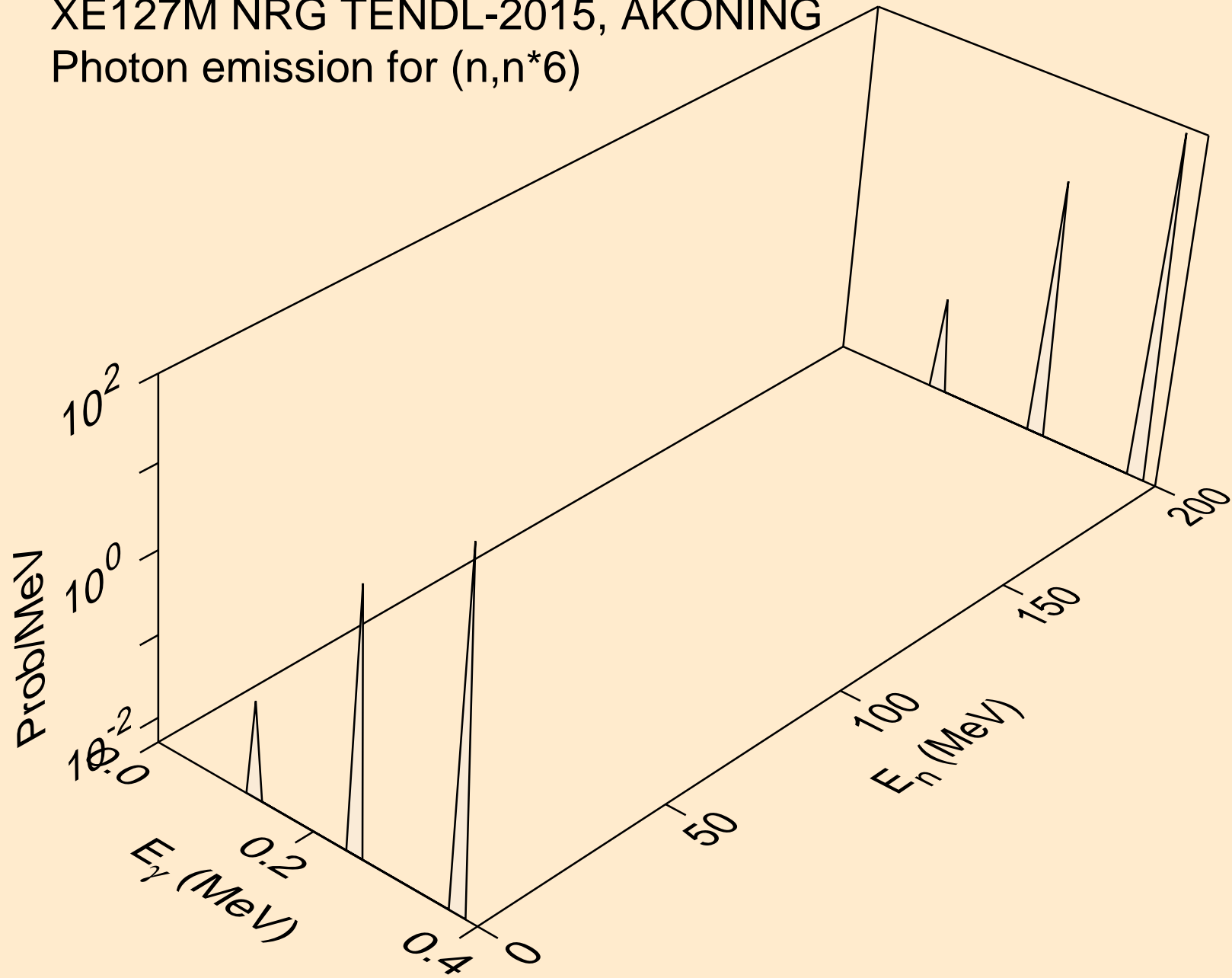
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Photon emission for (n,n\*4)



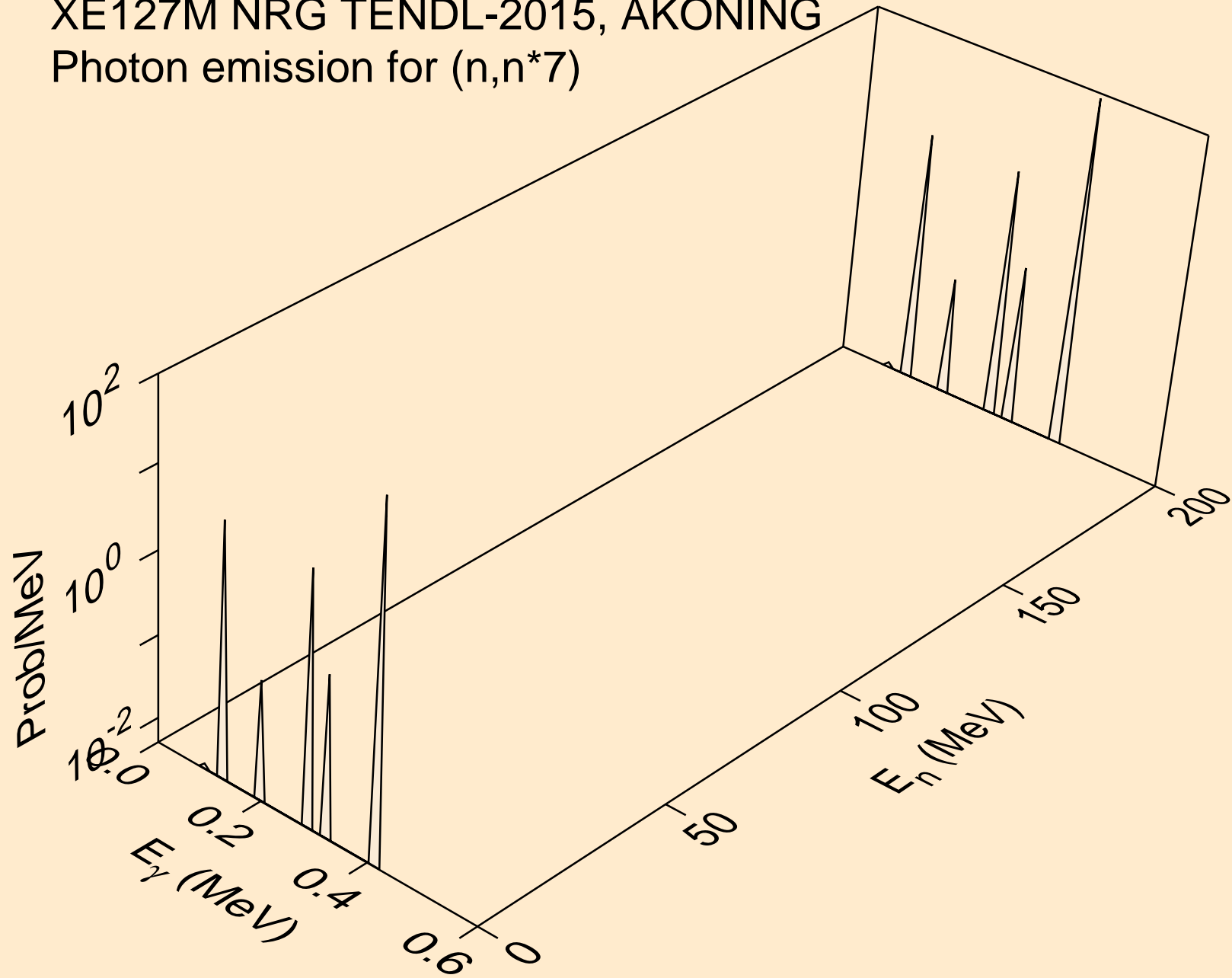
XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*5)



XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*6)

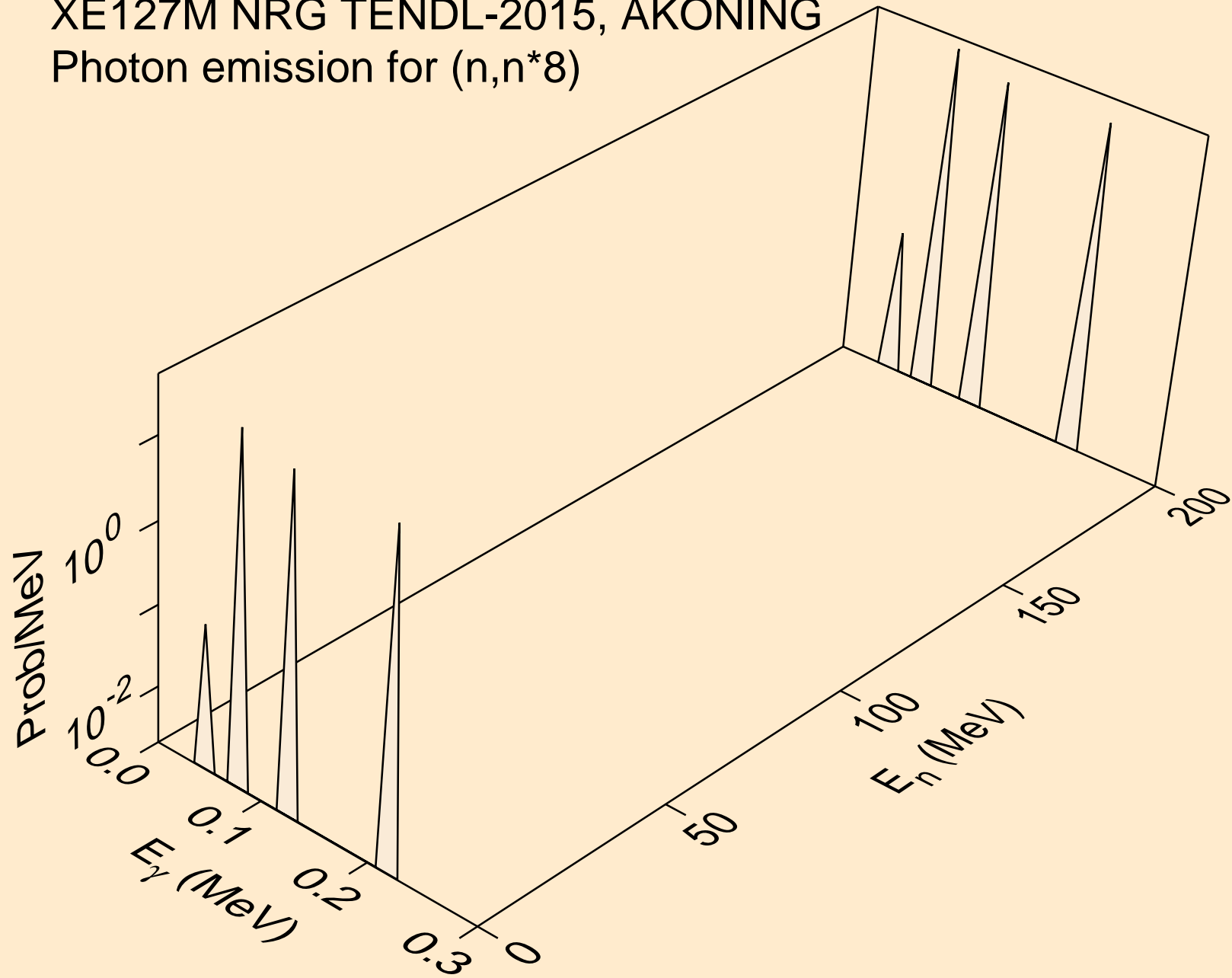


XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*7)

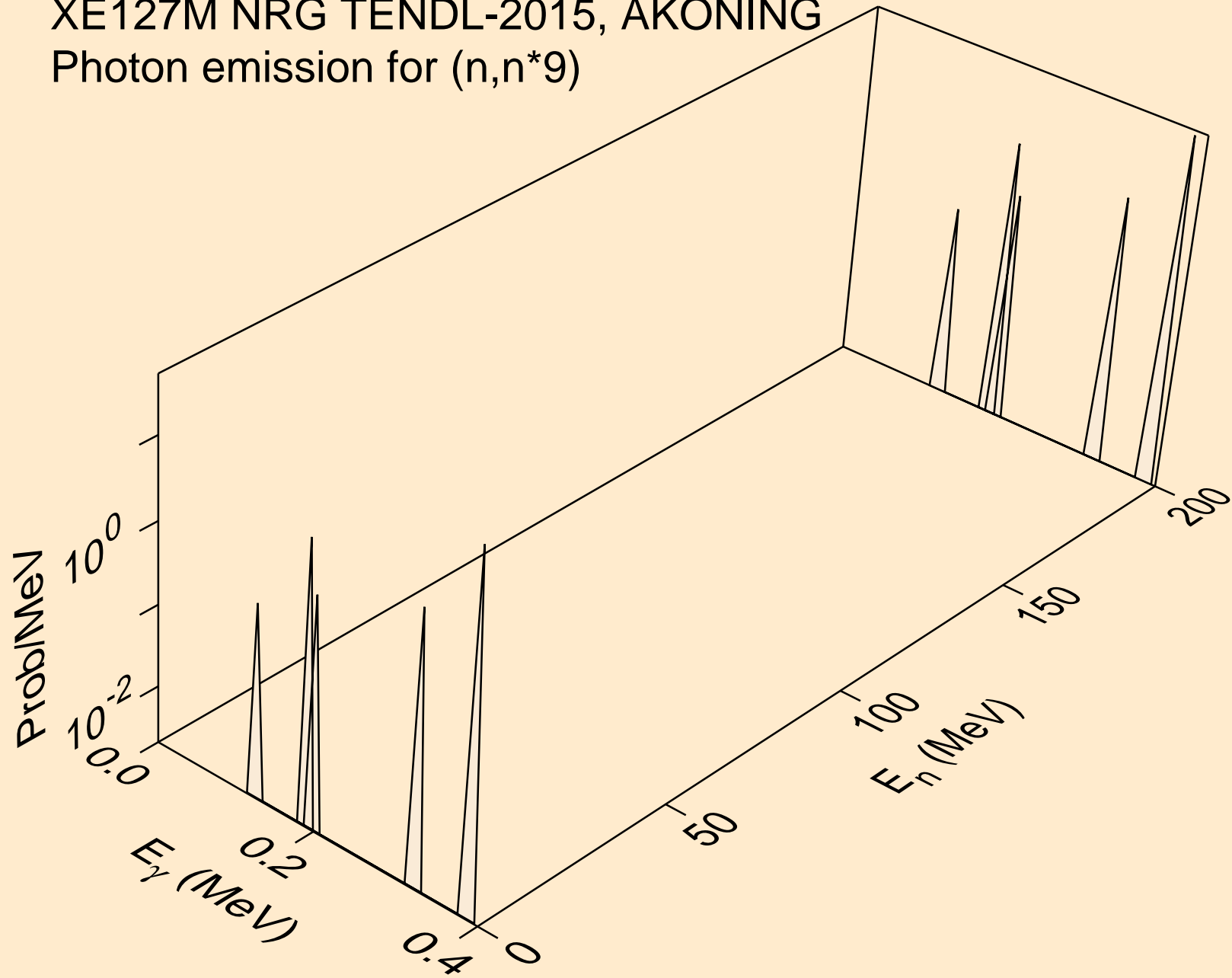




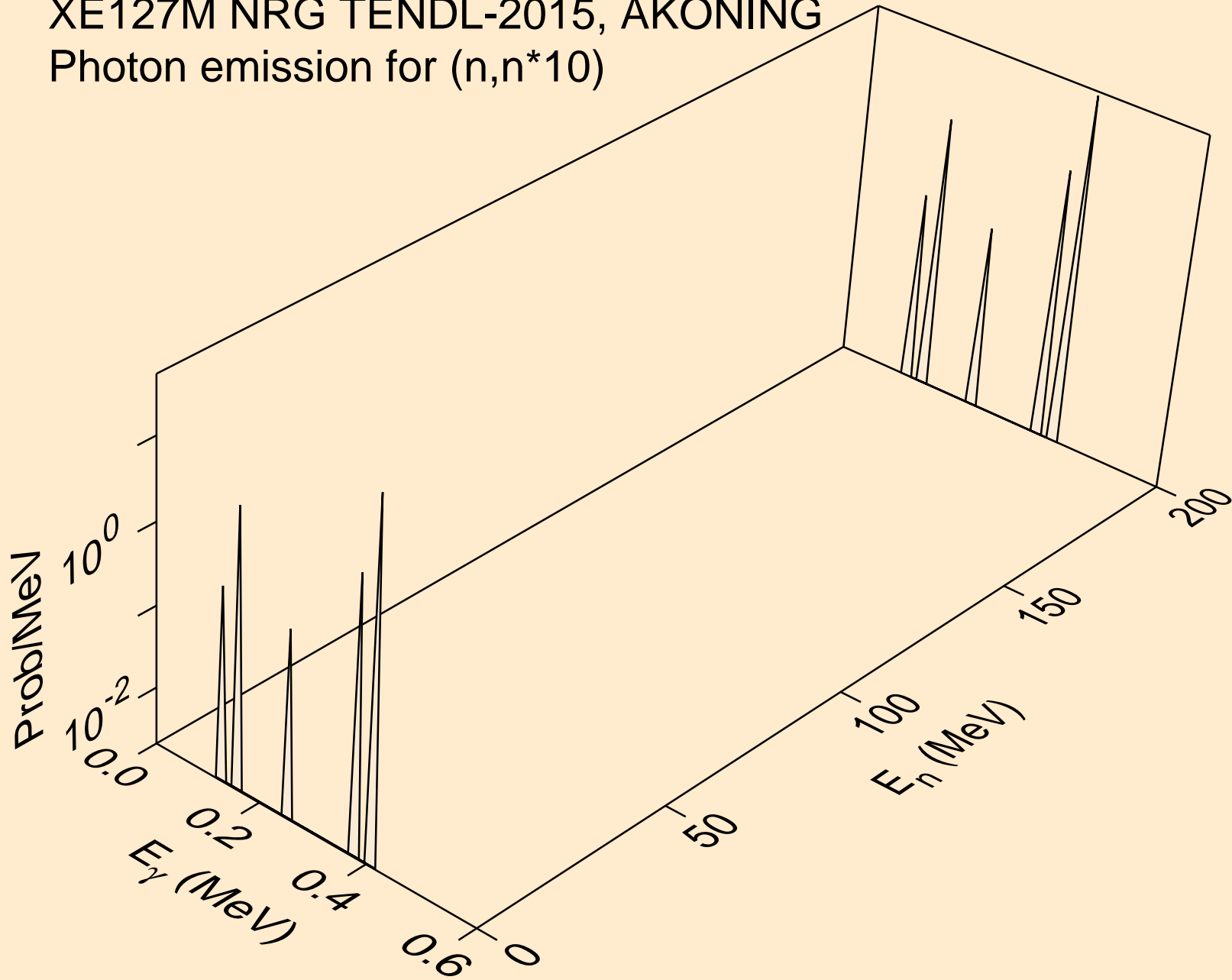
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Photon emission for (n,n\*8)



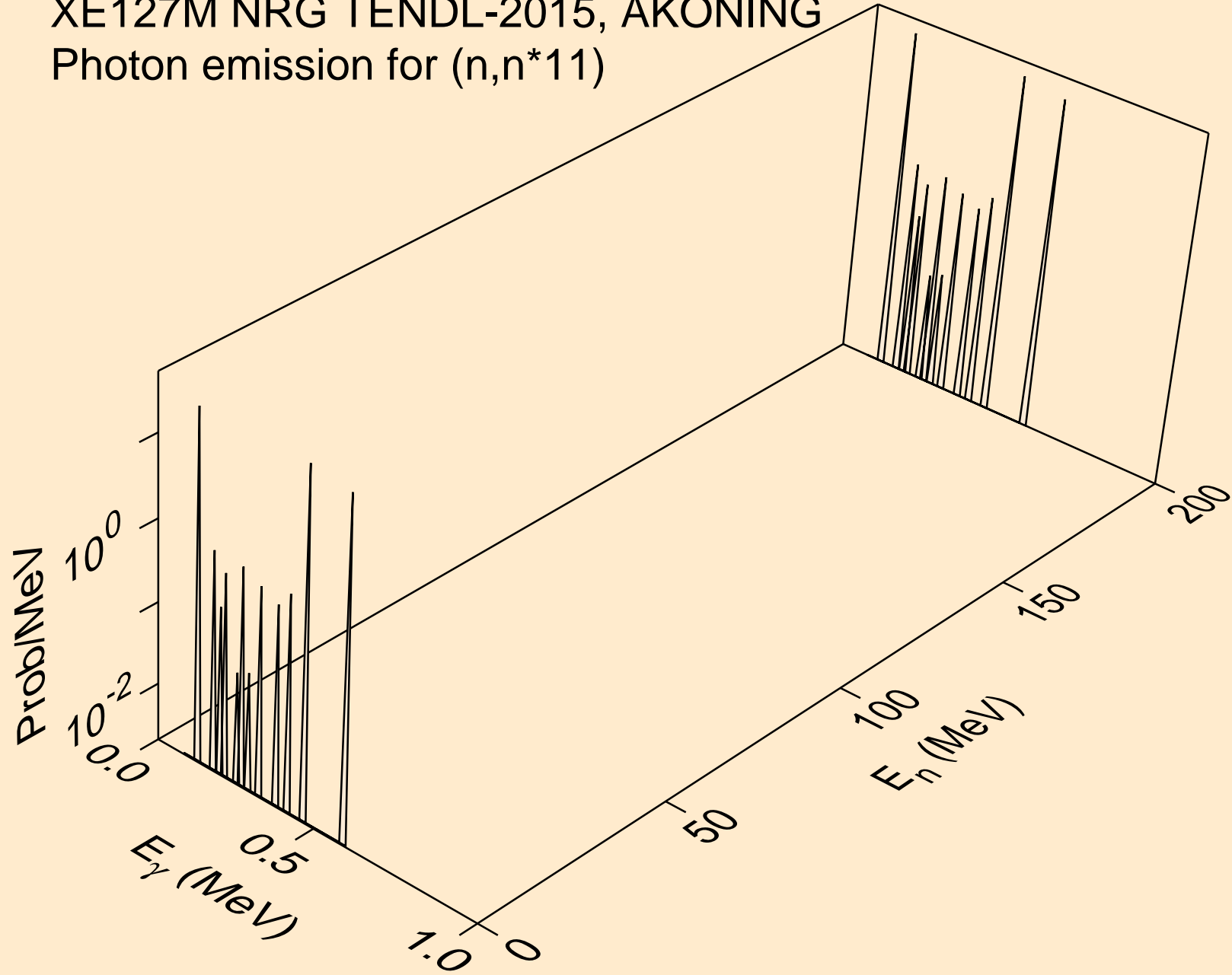
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Photon emission for (n,n\*9)



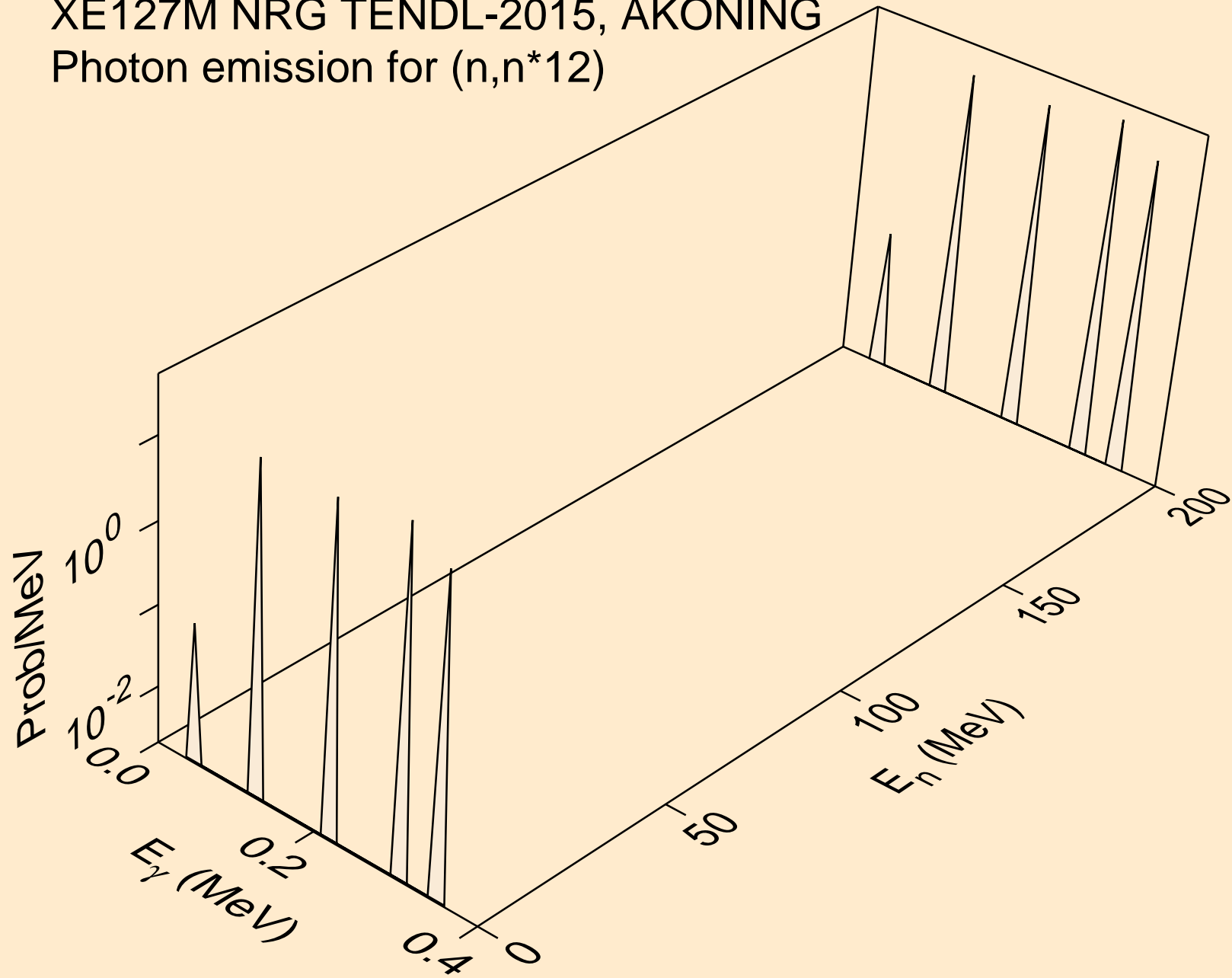
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Photon emission for (n,n\*10)



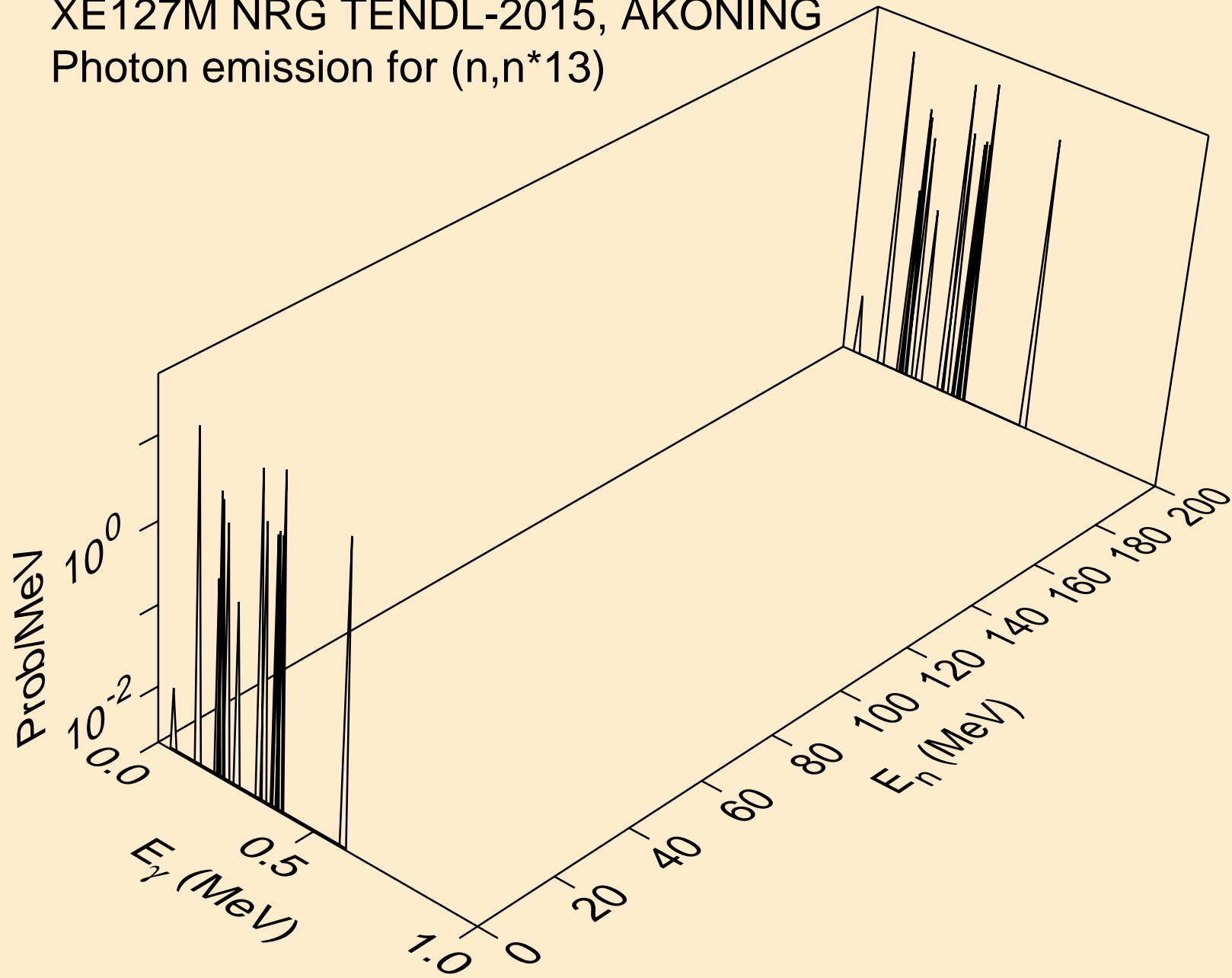
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Photon emission for (n,n\*11)



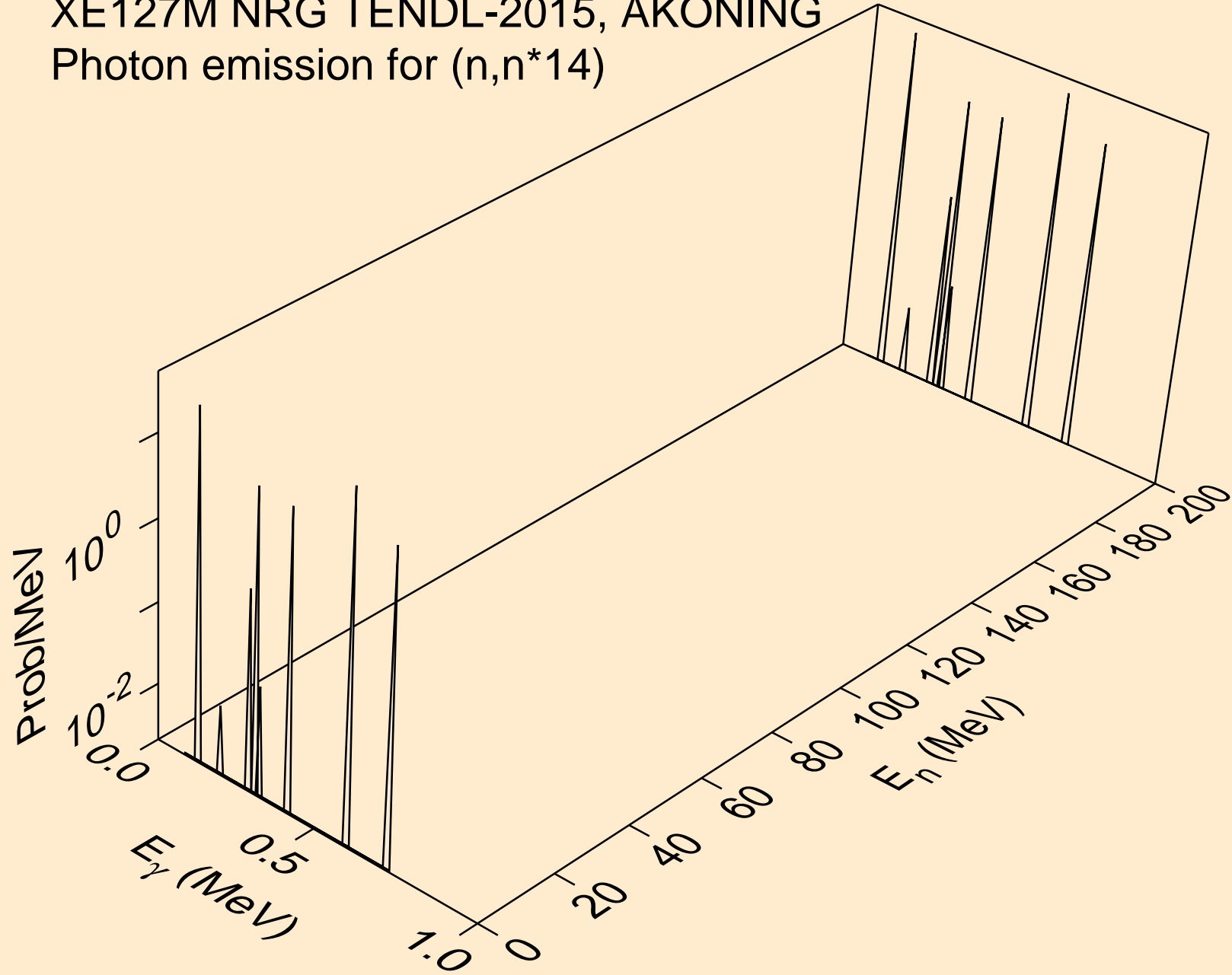
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Photon emission for (n,n\*12)



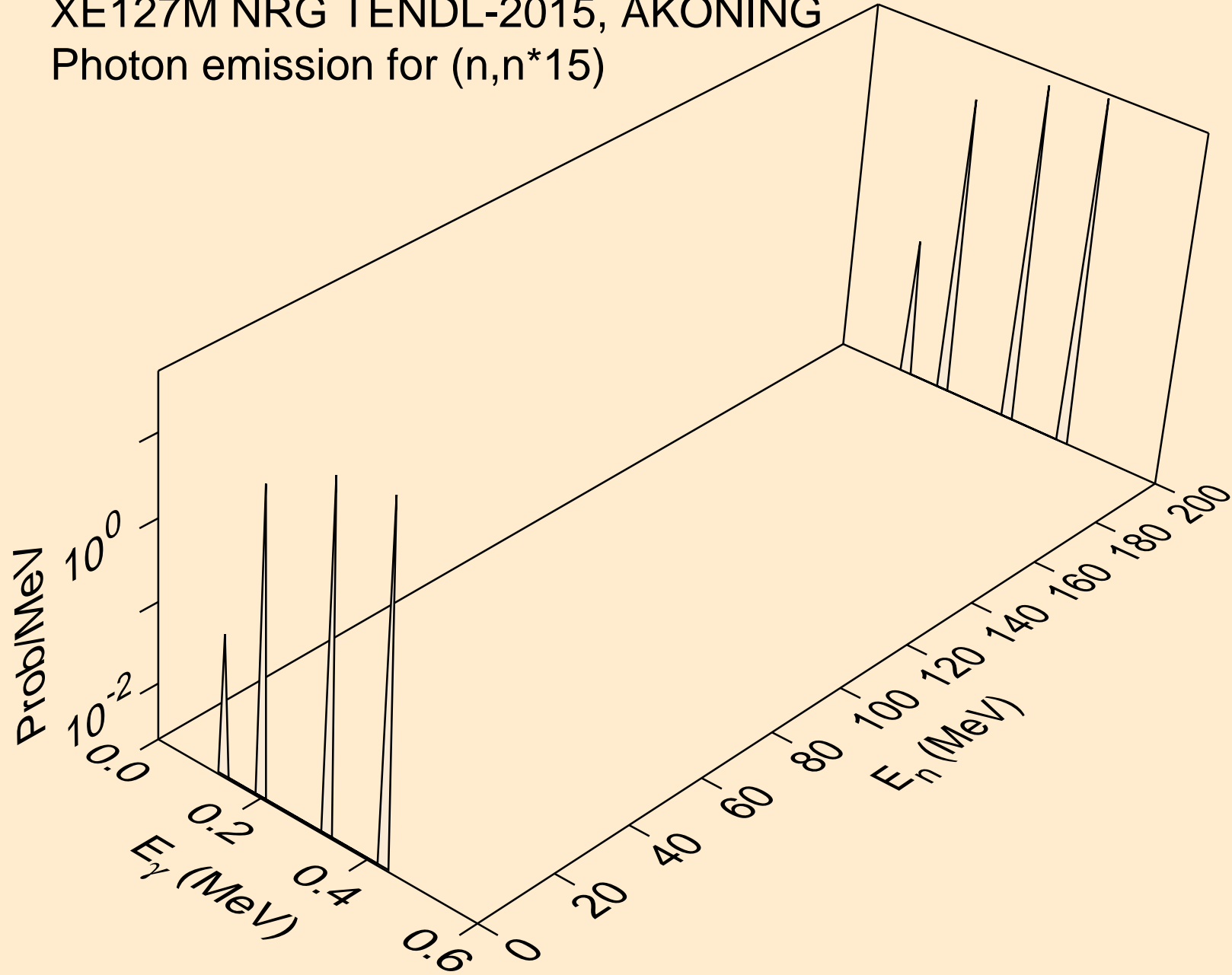
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Photon emission for (n,n\*13)



XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*14)

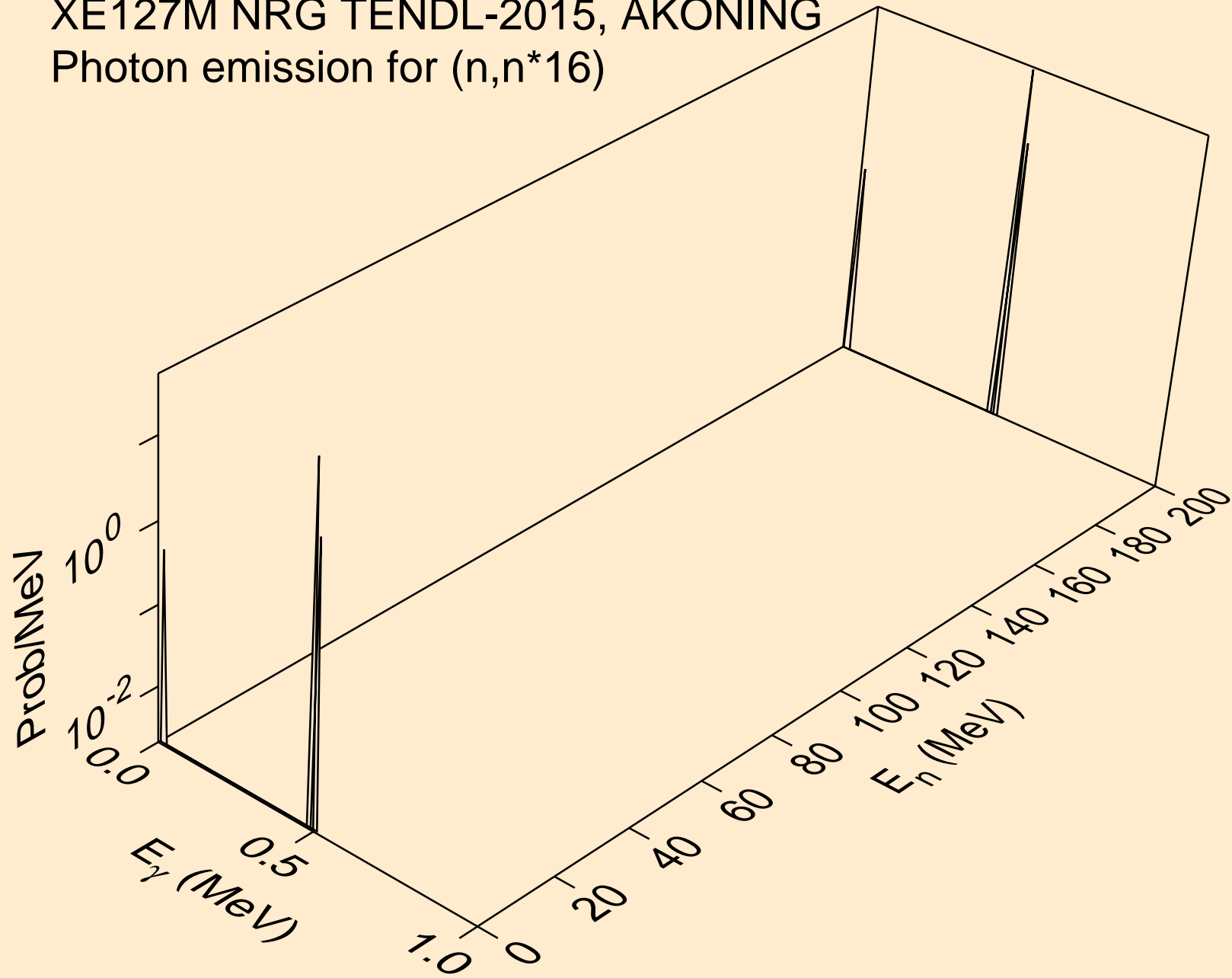


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Photon emission for (n,n\*15)

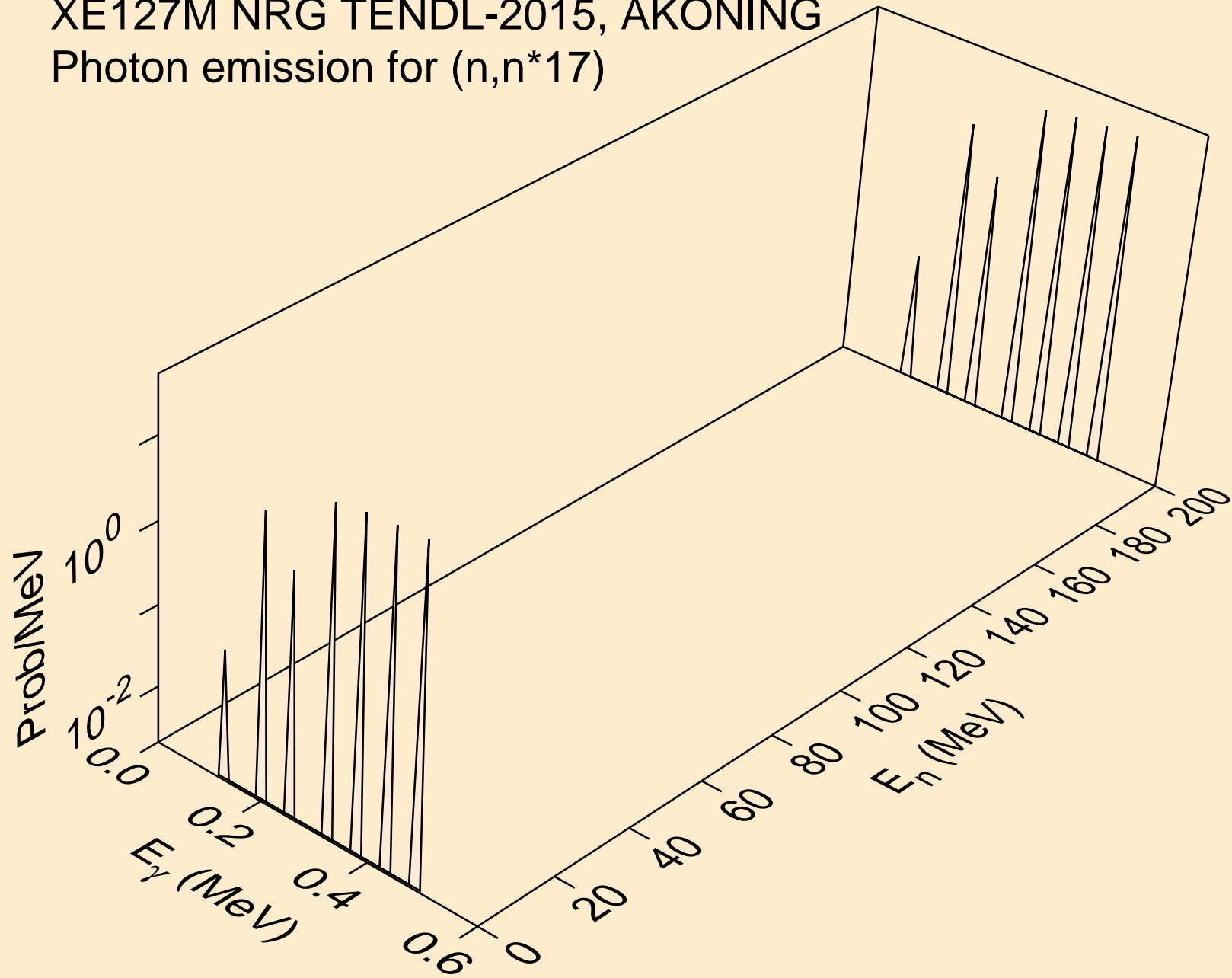




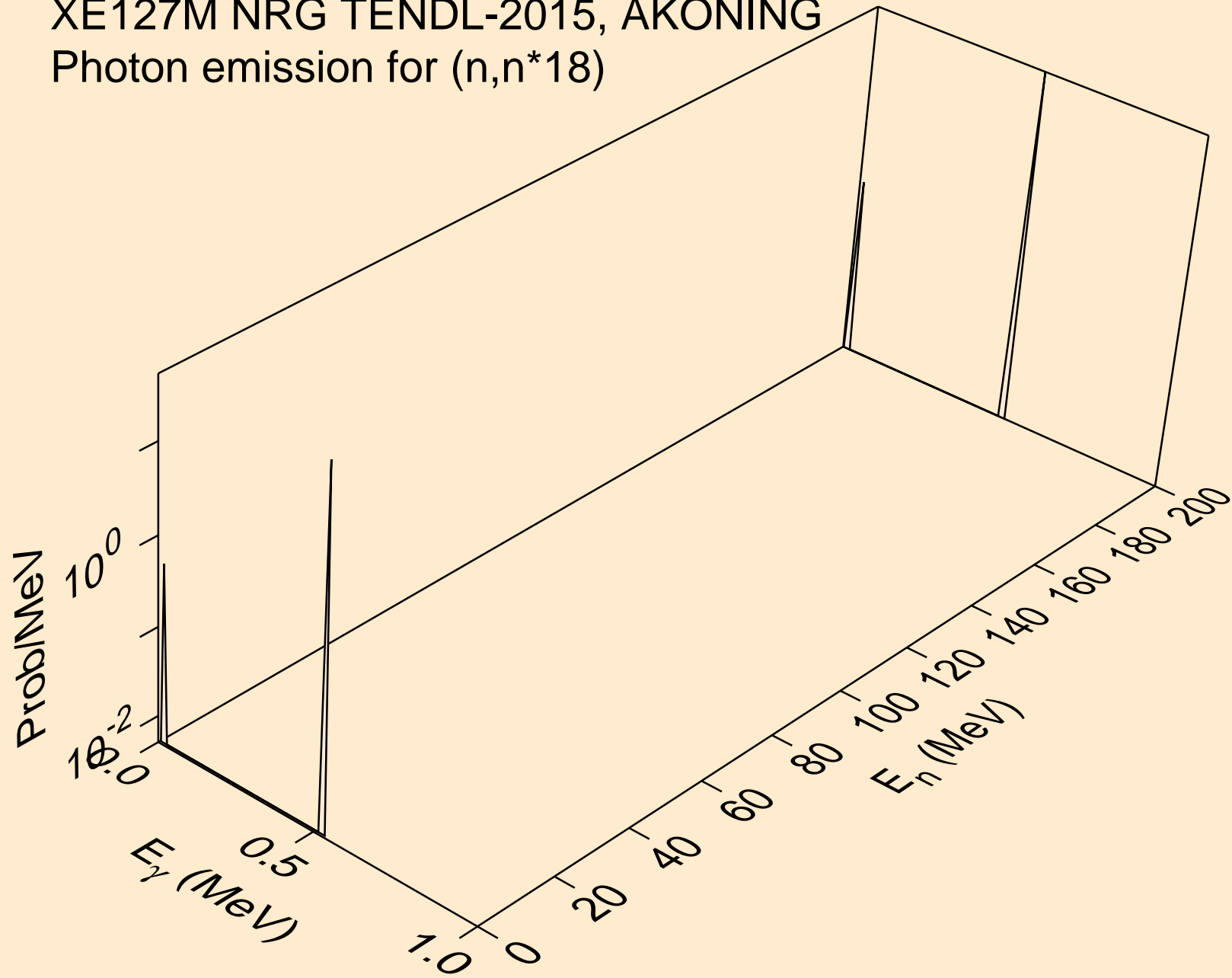
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Photon emission for (n,n\*16)



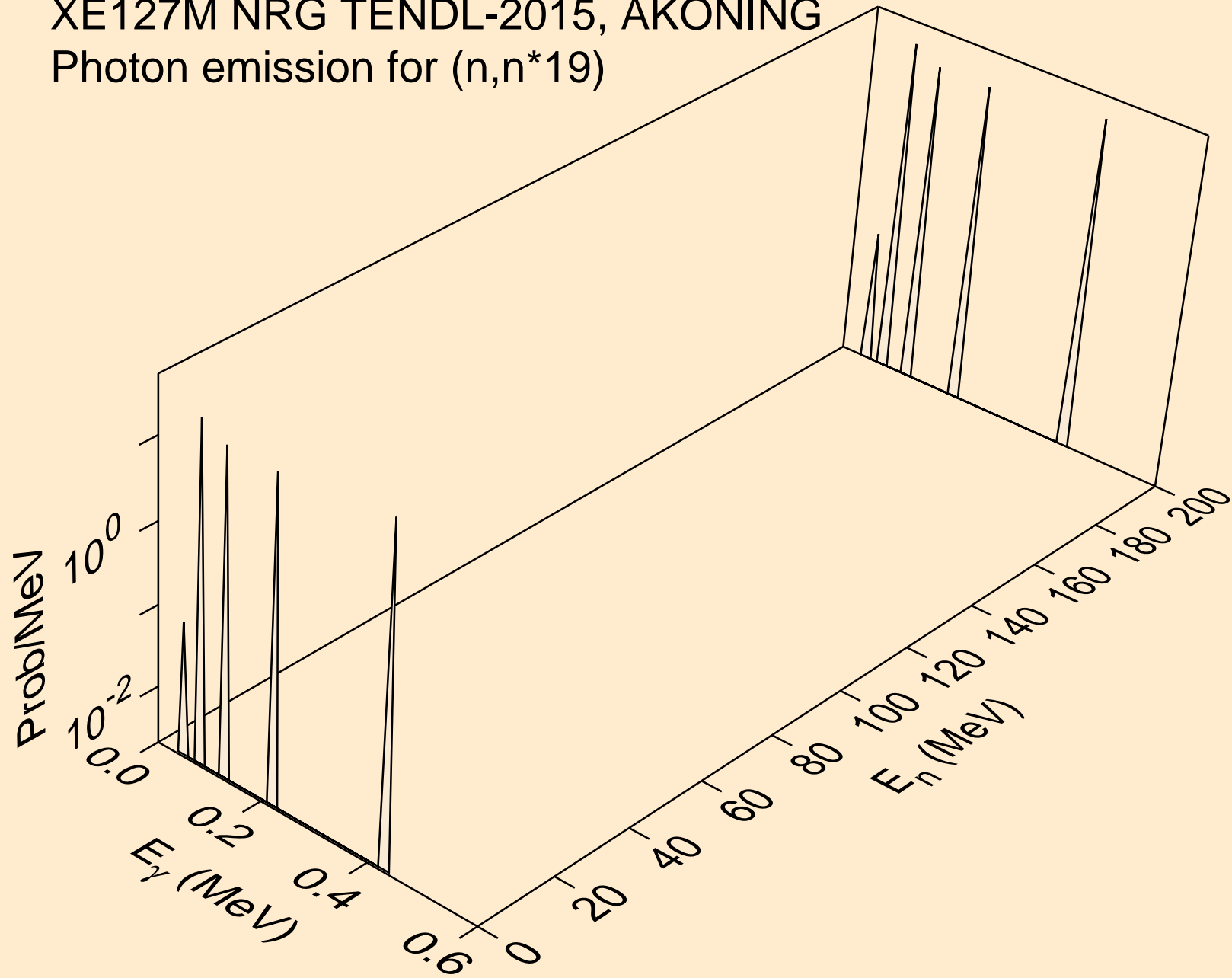
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Photon emission for (n,n\*17)



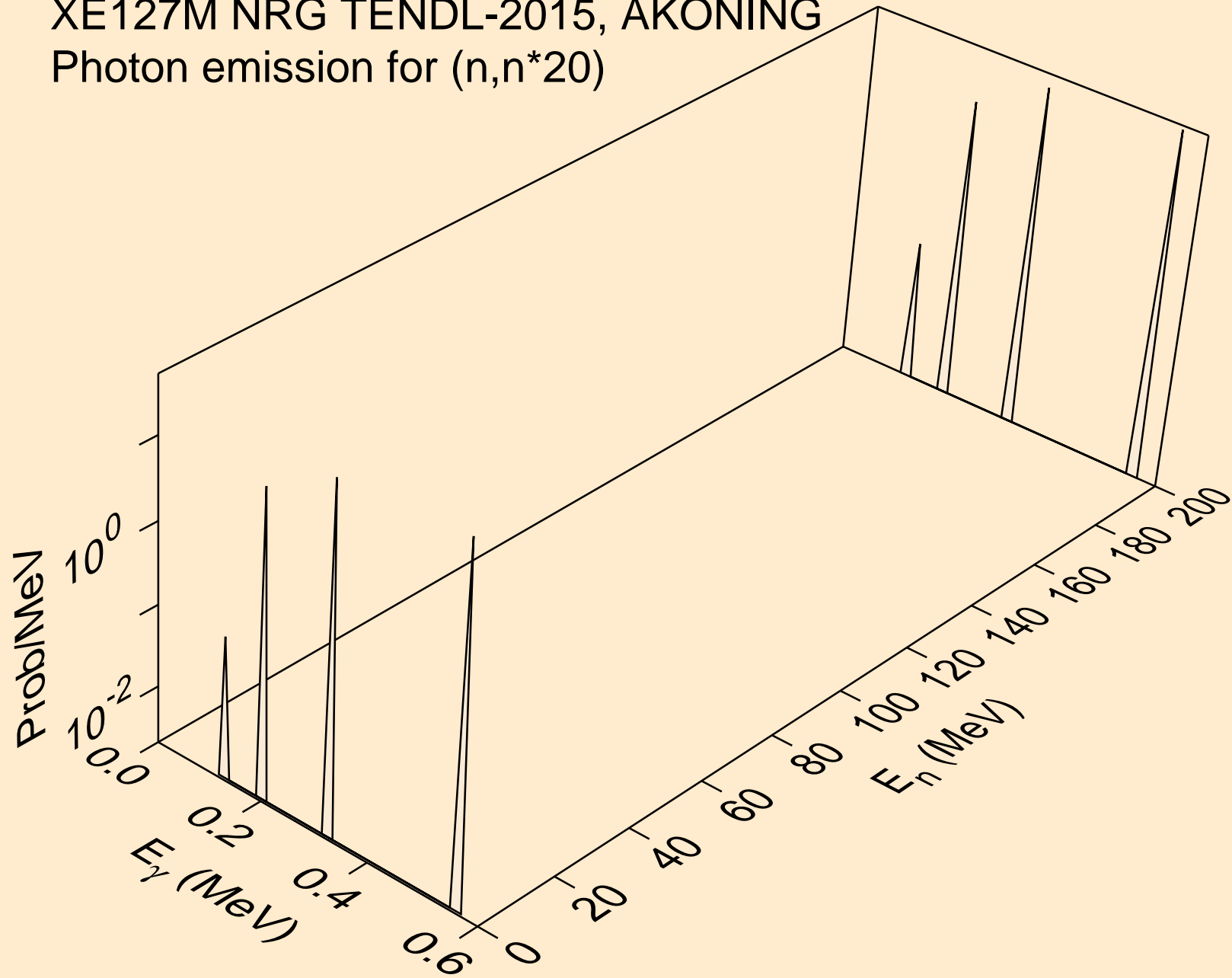
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Photon emission for (n,n\*18)



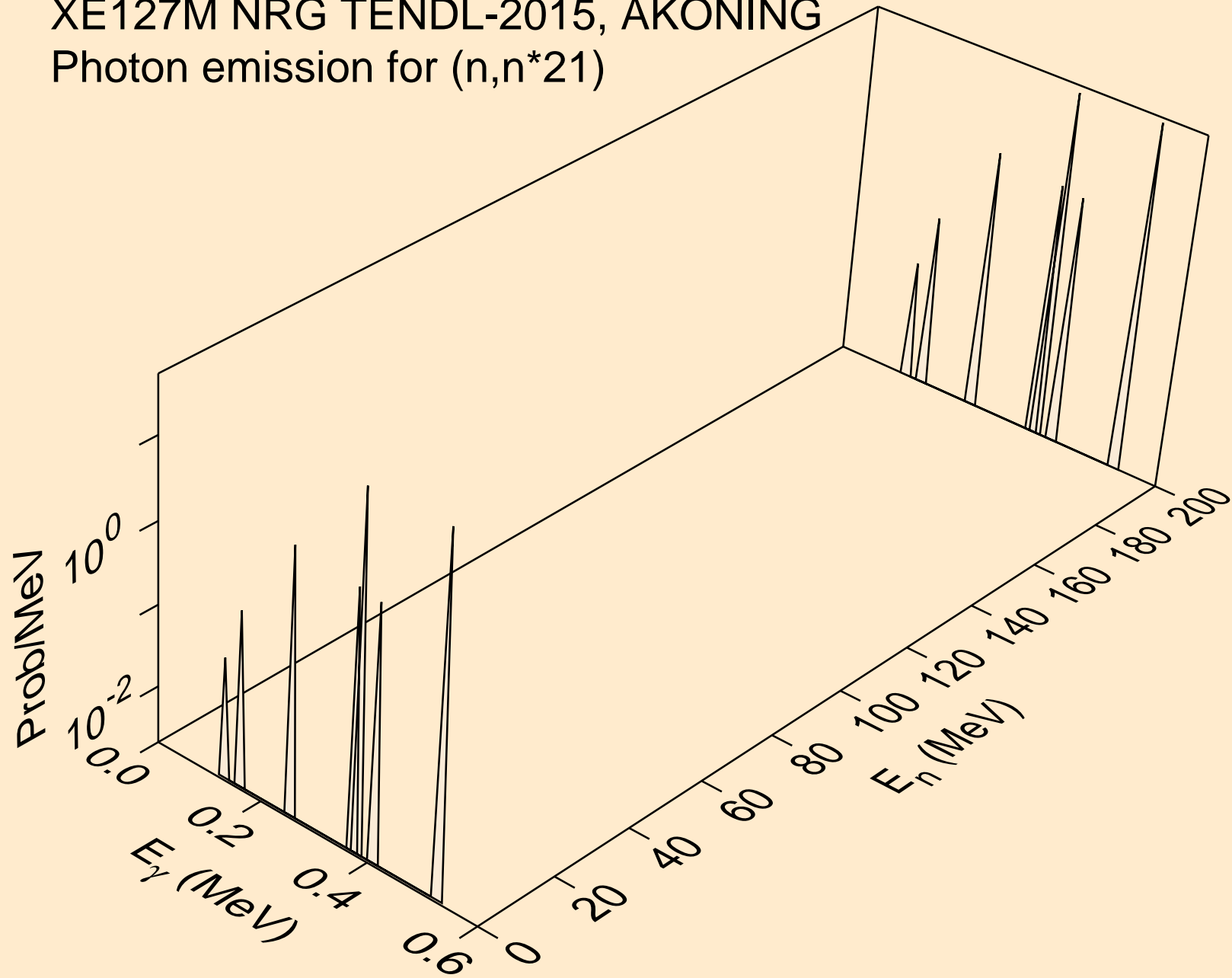
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Photon emission for (n,n\*19)



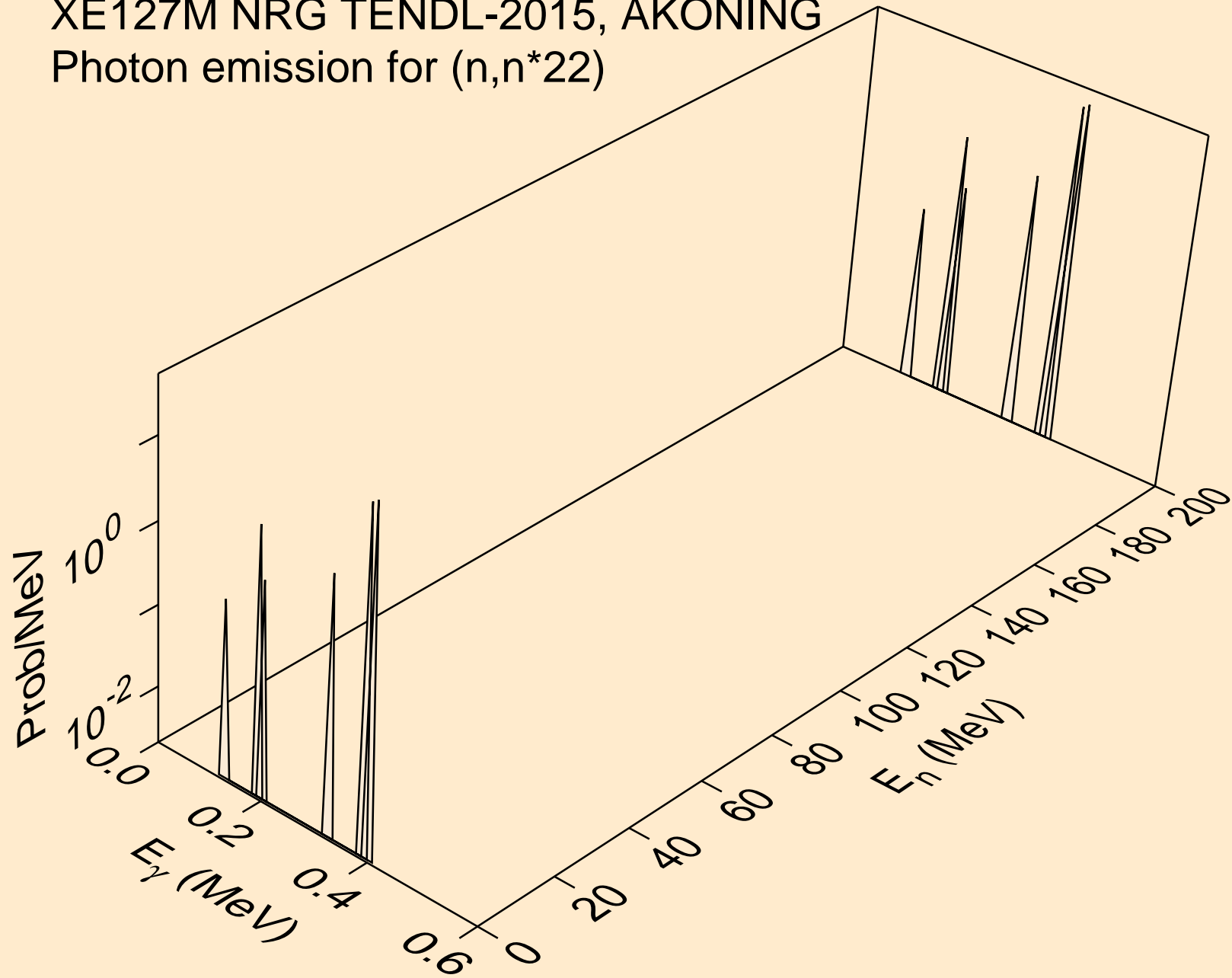
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Photon emission for (n,n\*20)



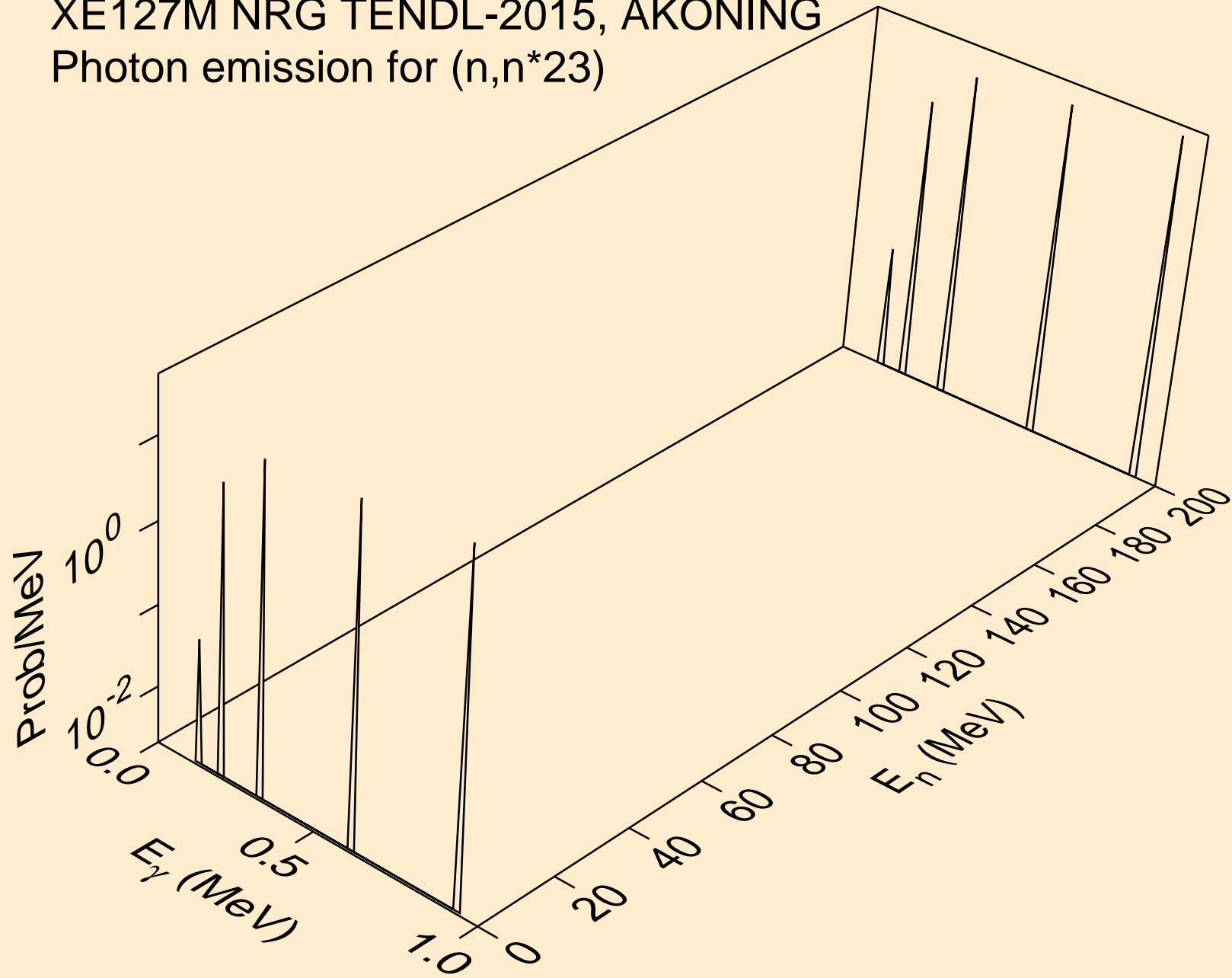
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Photon emission for (n,n\*21)



XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*22)

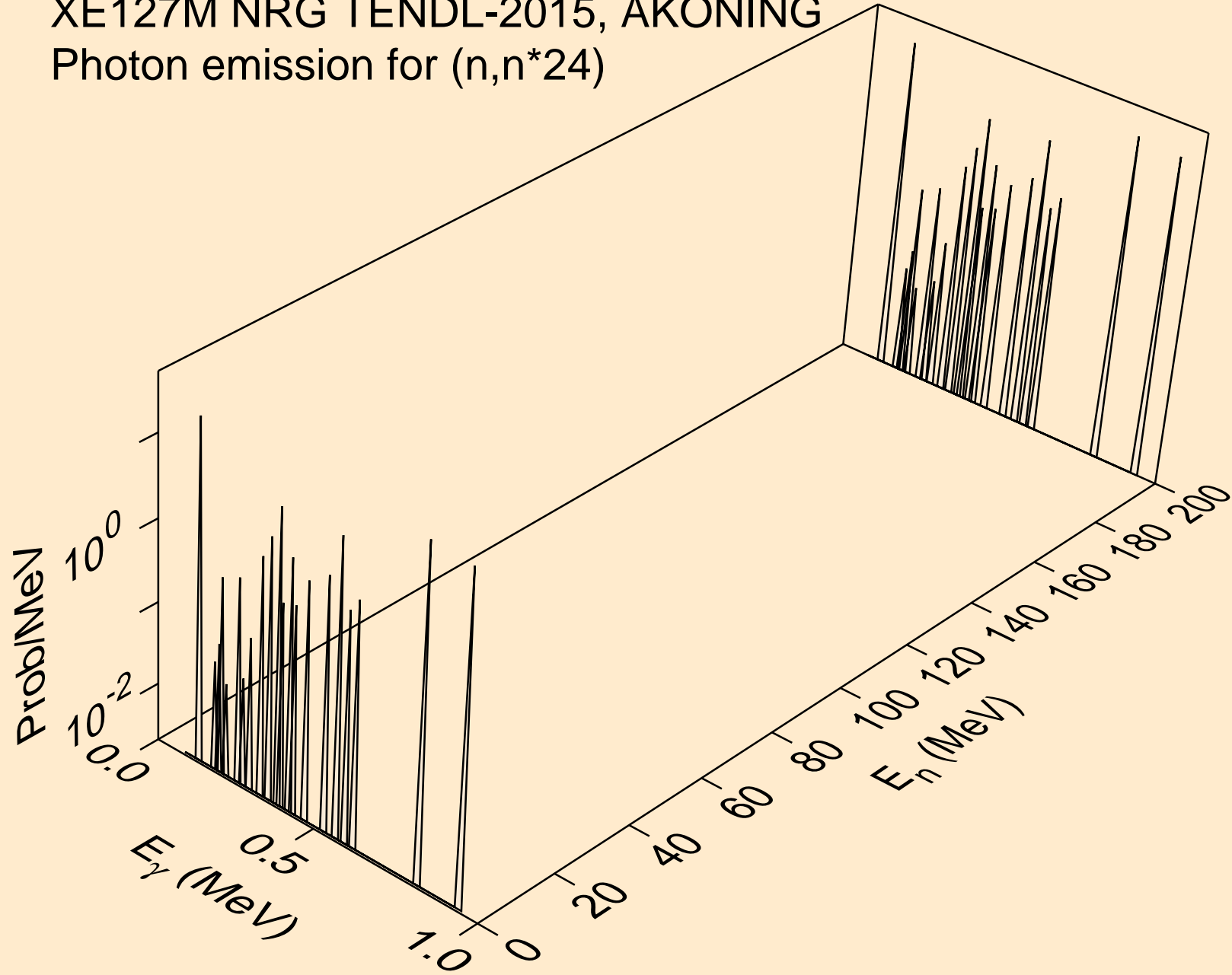


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Photon emission for (n,n\*23)

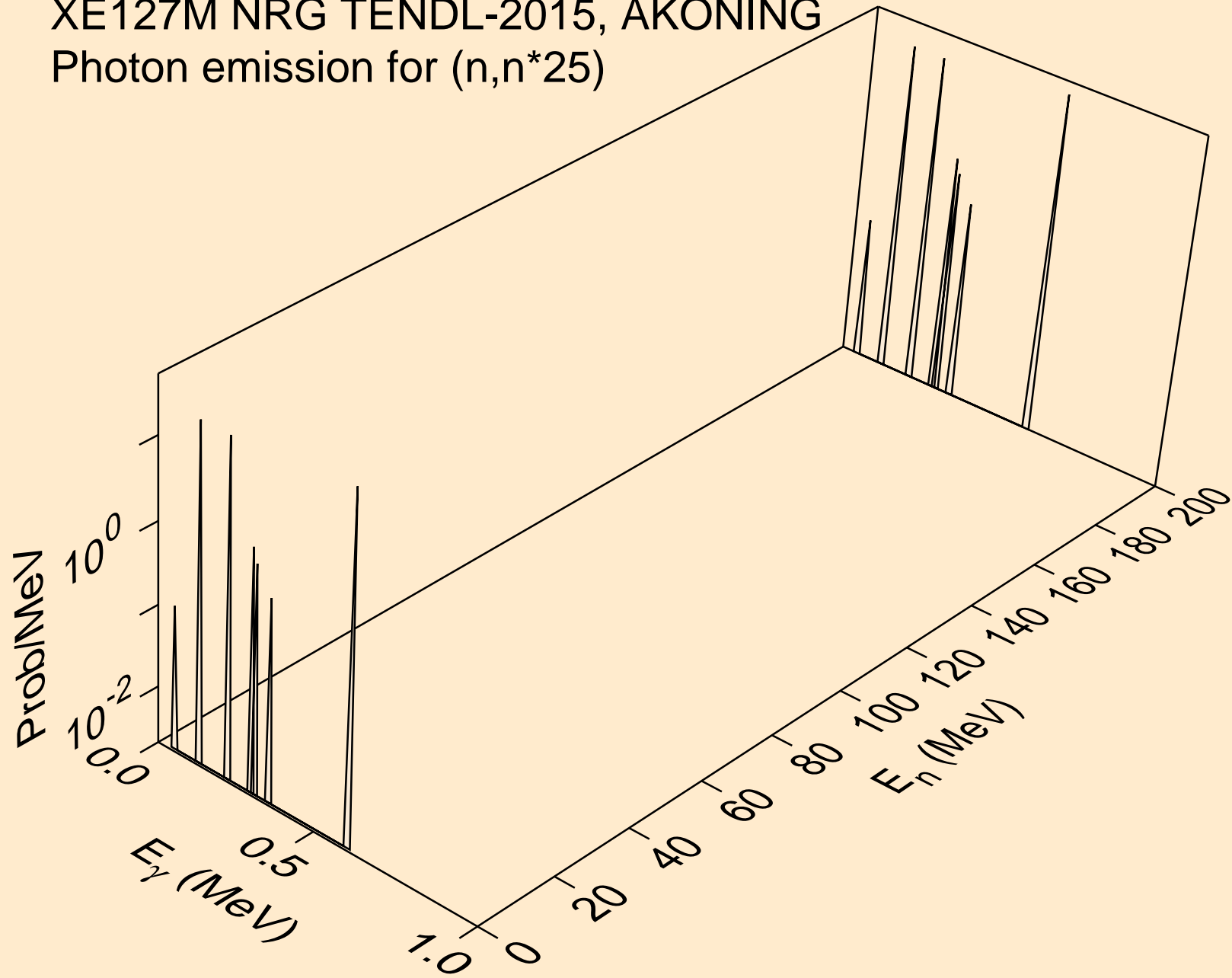




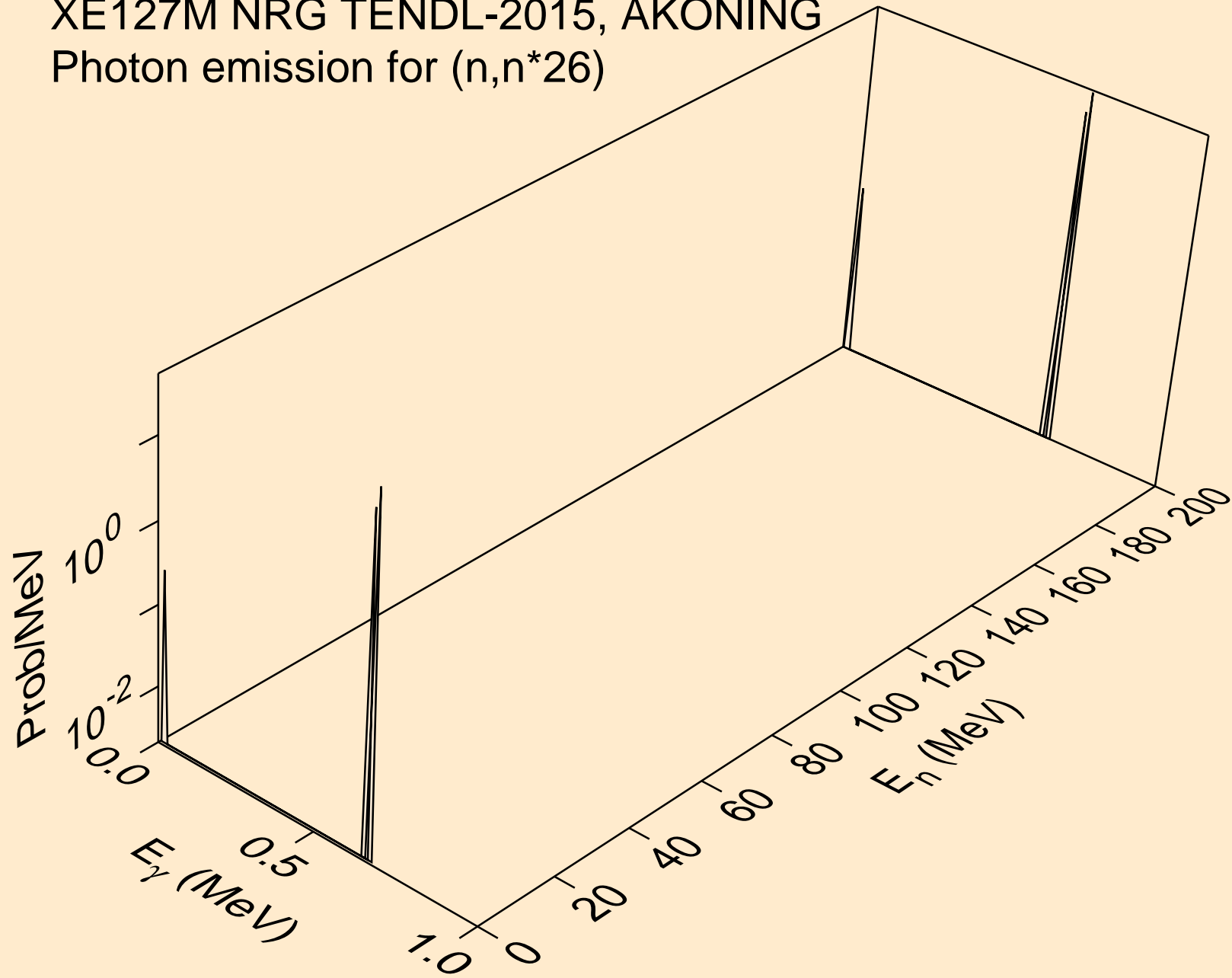
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Photon emission for (n,n\*24)



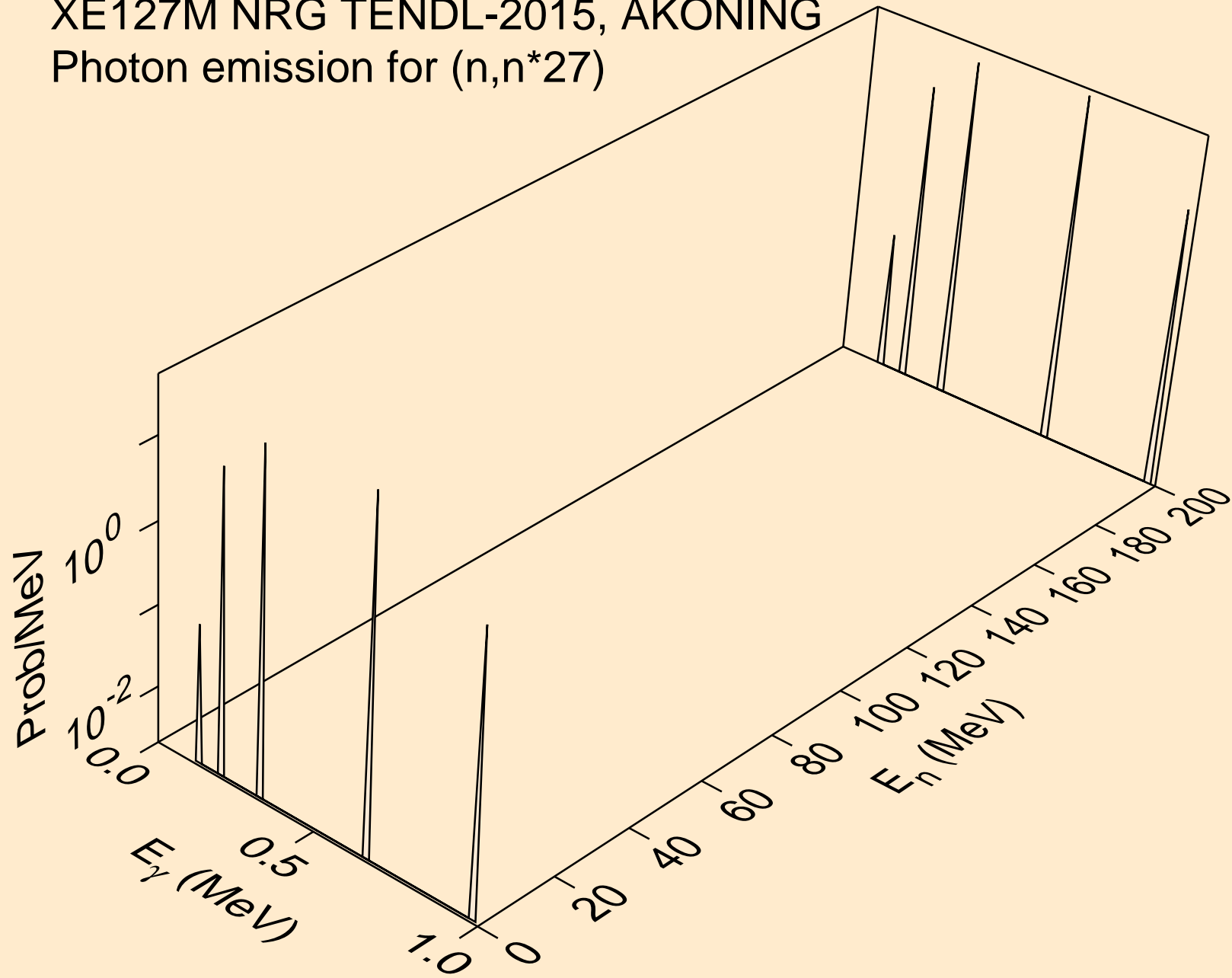
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Photon emission for (n,n\*25)



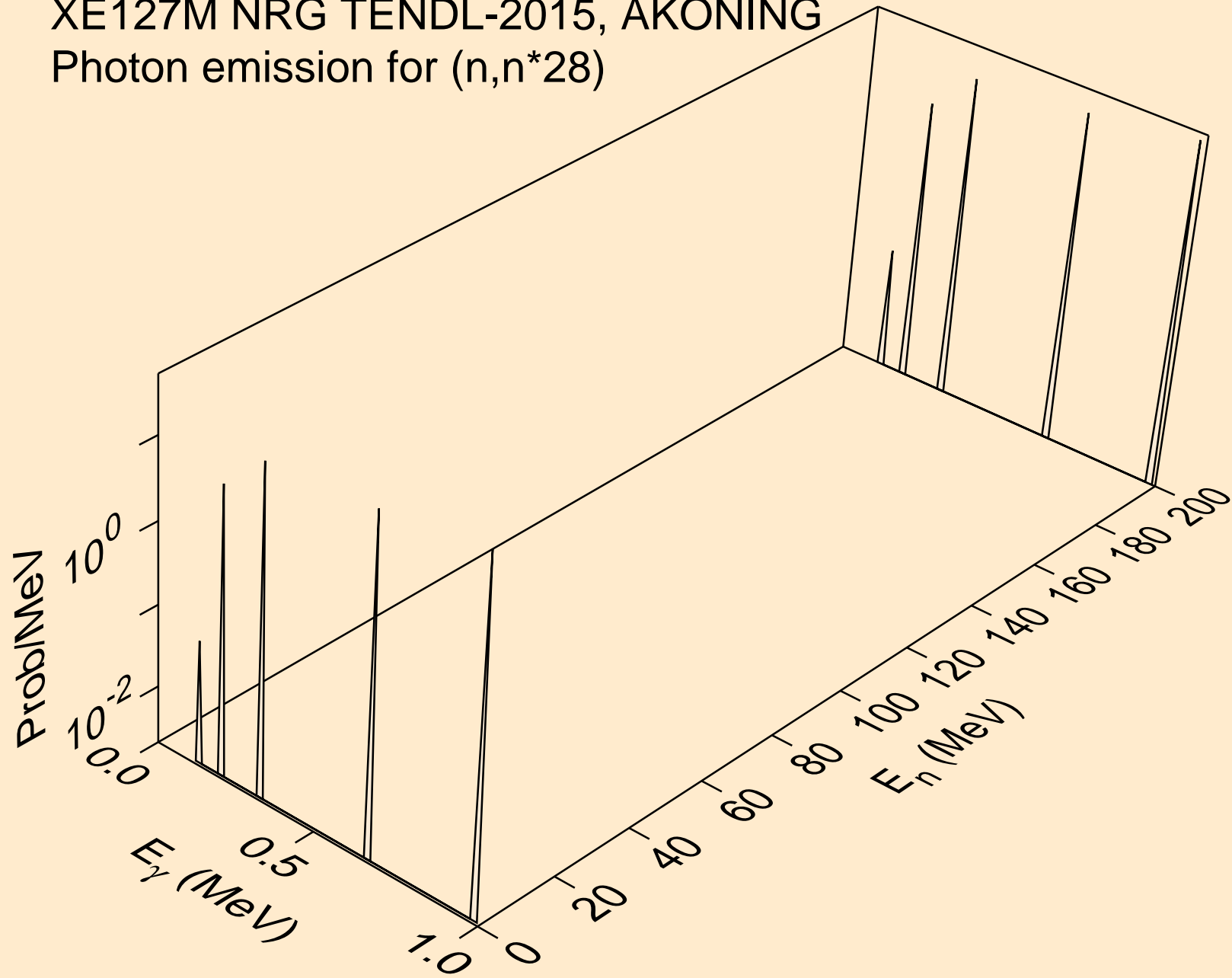
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Photon emission for (n,n\*26)



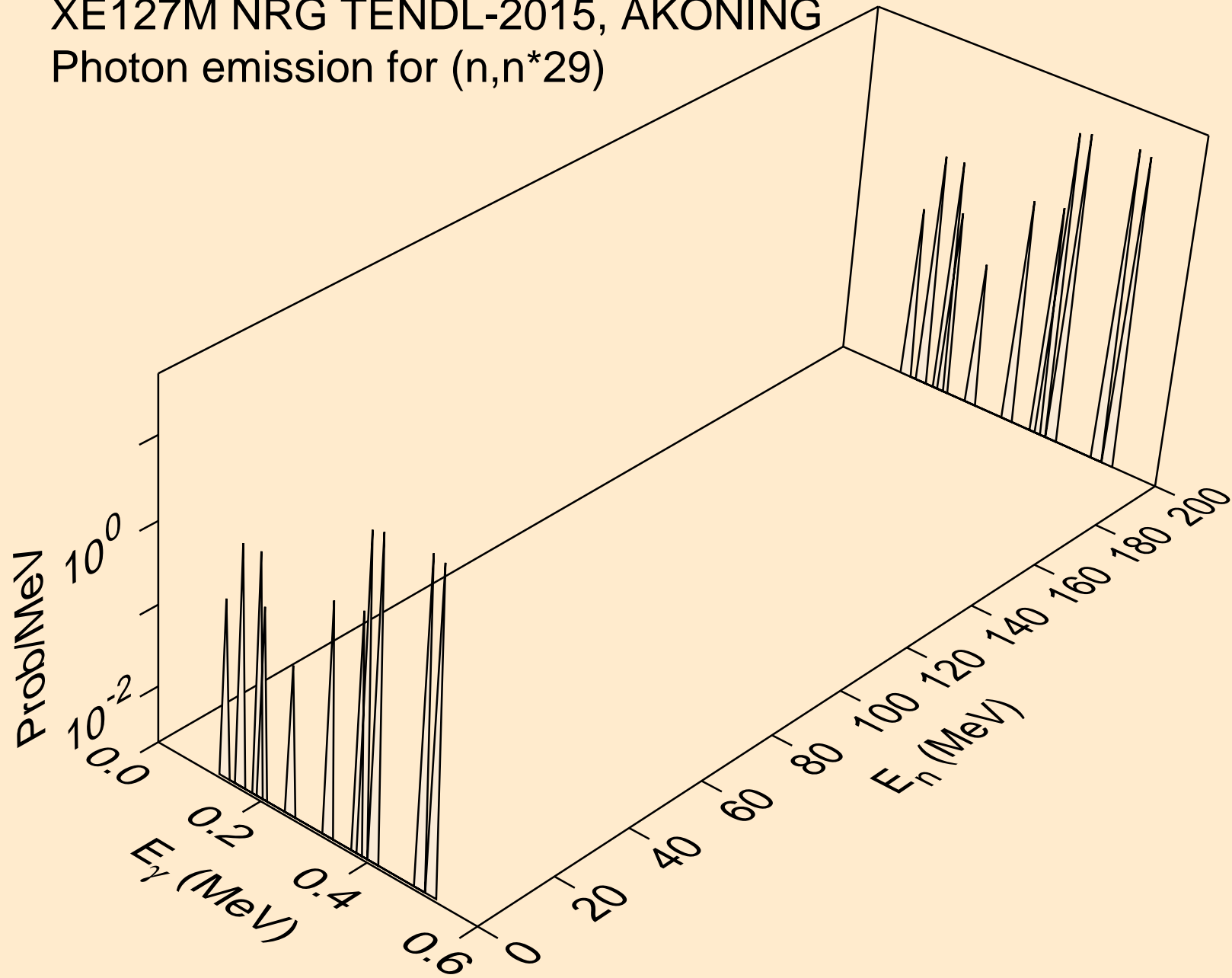
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Photon emission for (n,n\*27)



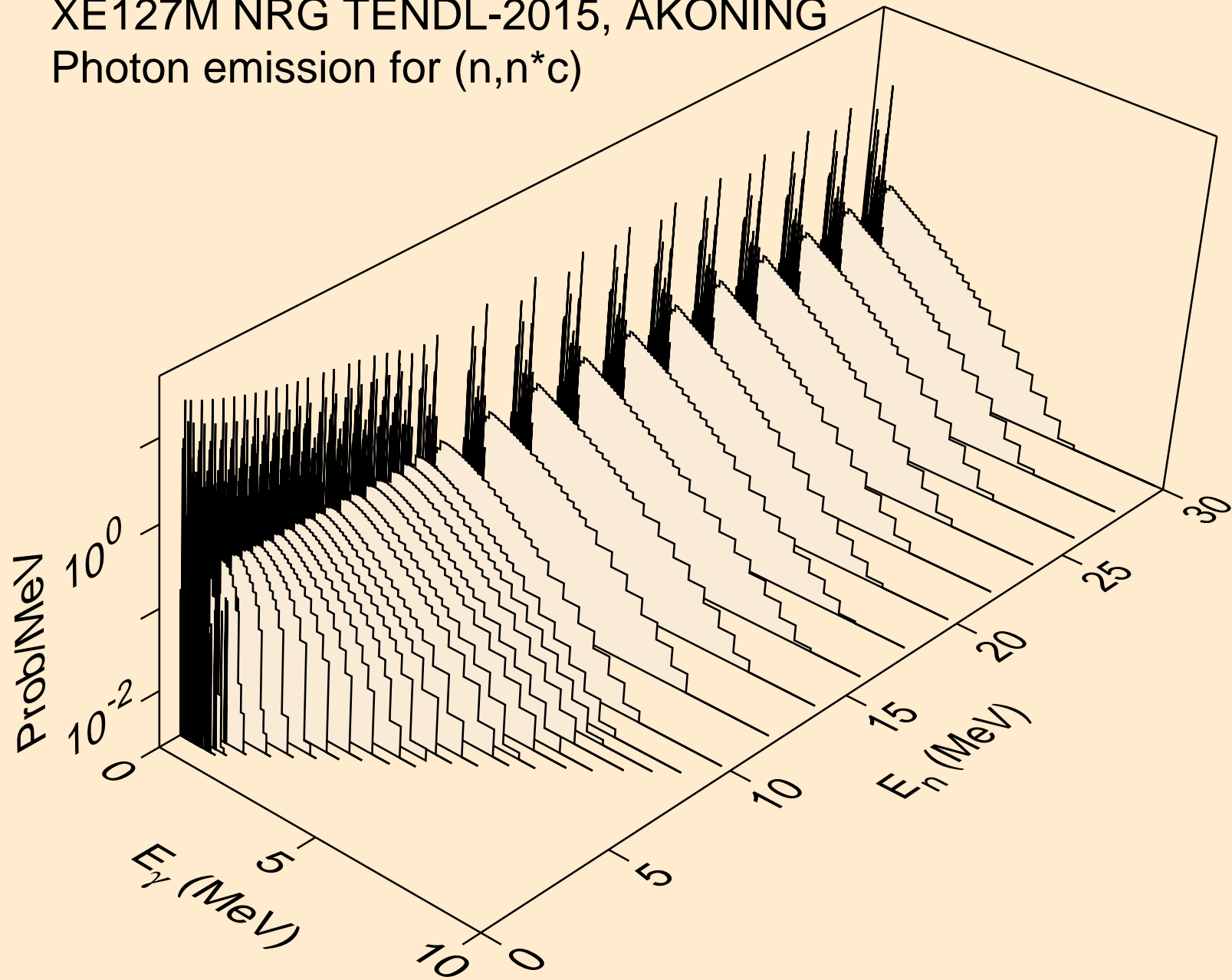
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Photon emission for (n,n\*28)



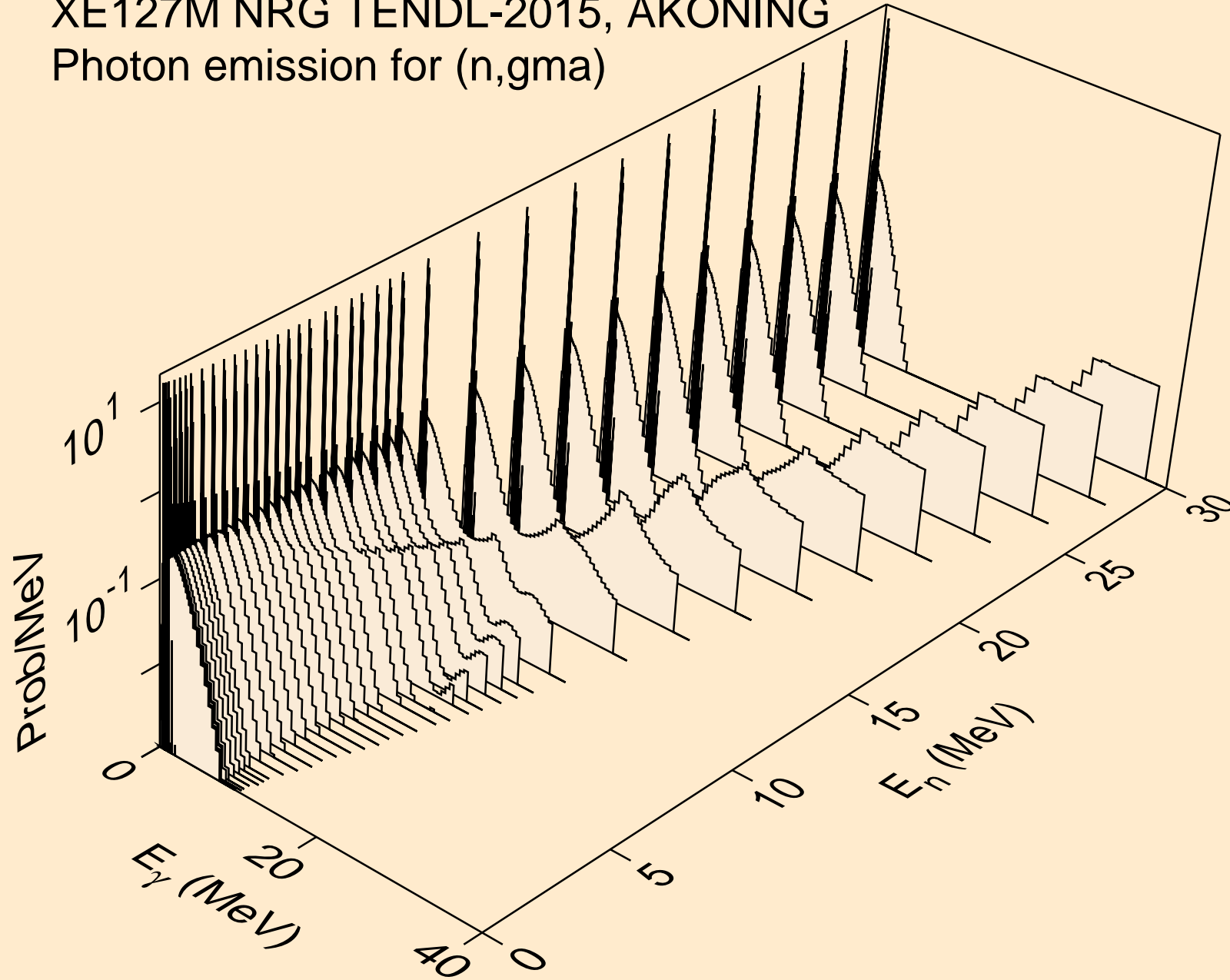
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Photon emission for (n,n\*29)



XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

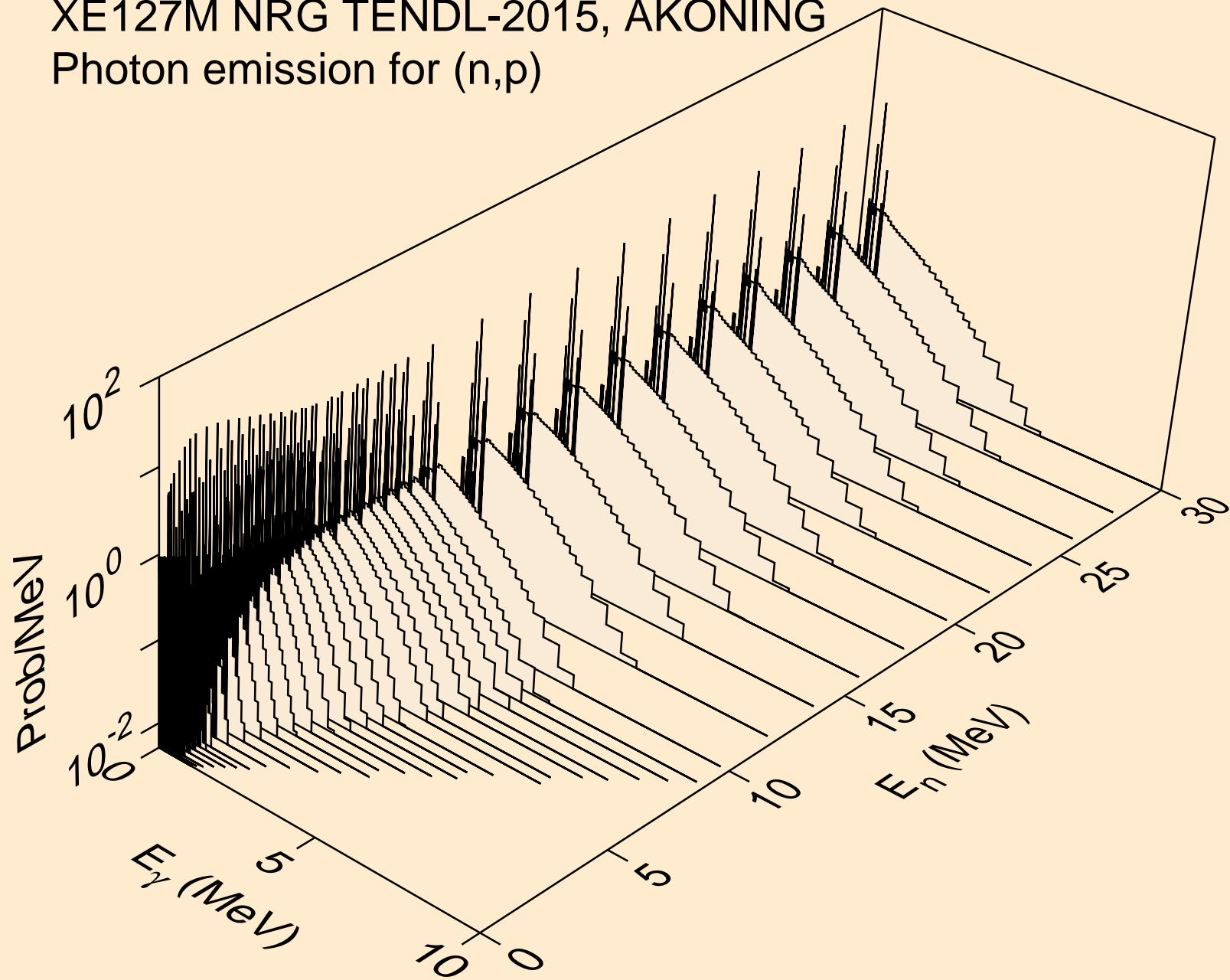


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Photon emission for (n,gma)

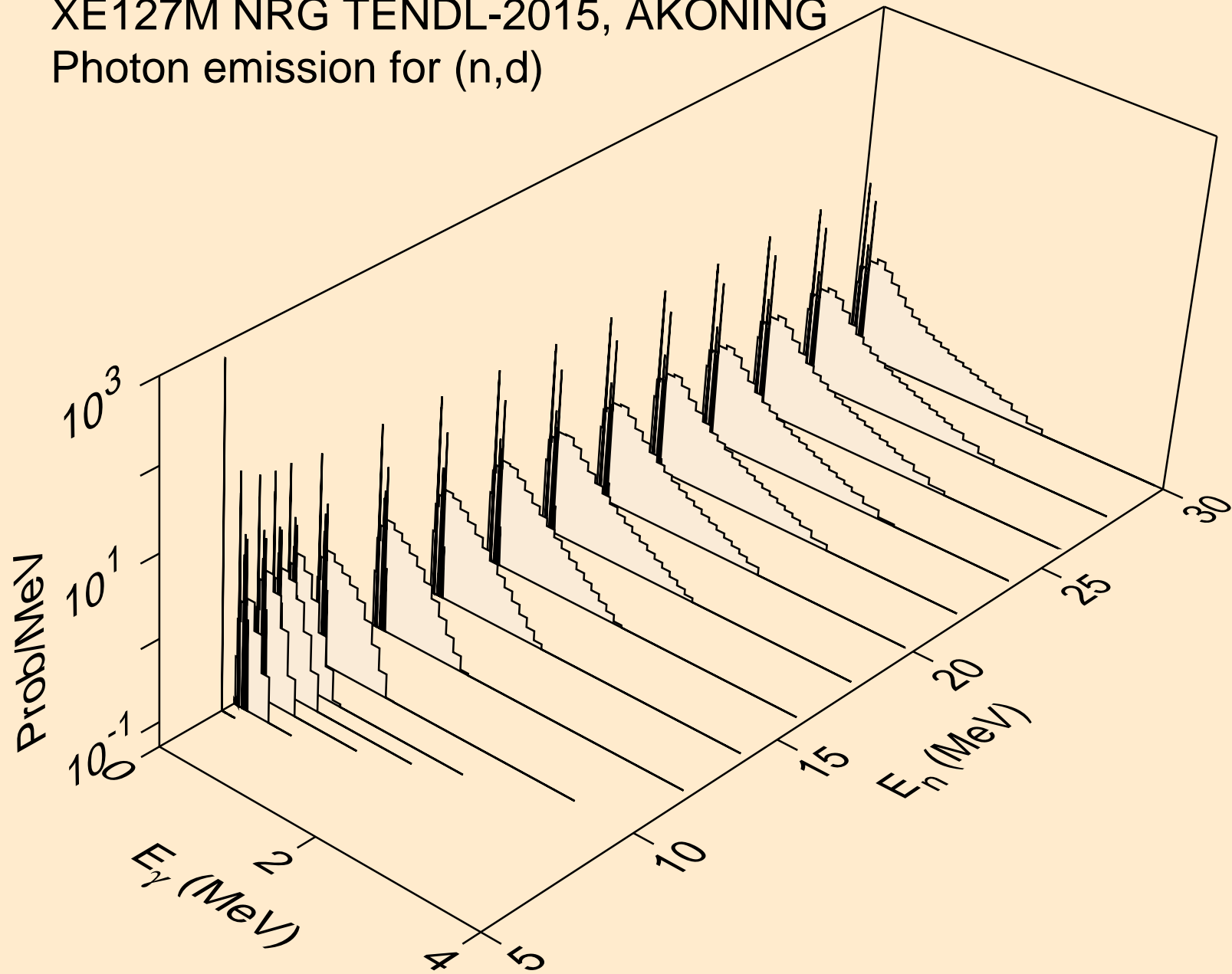




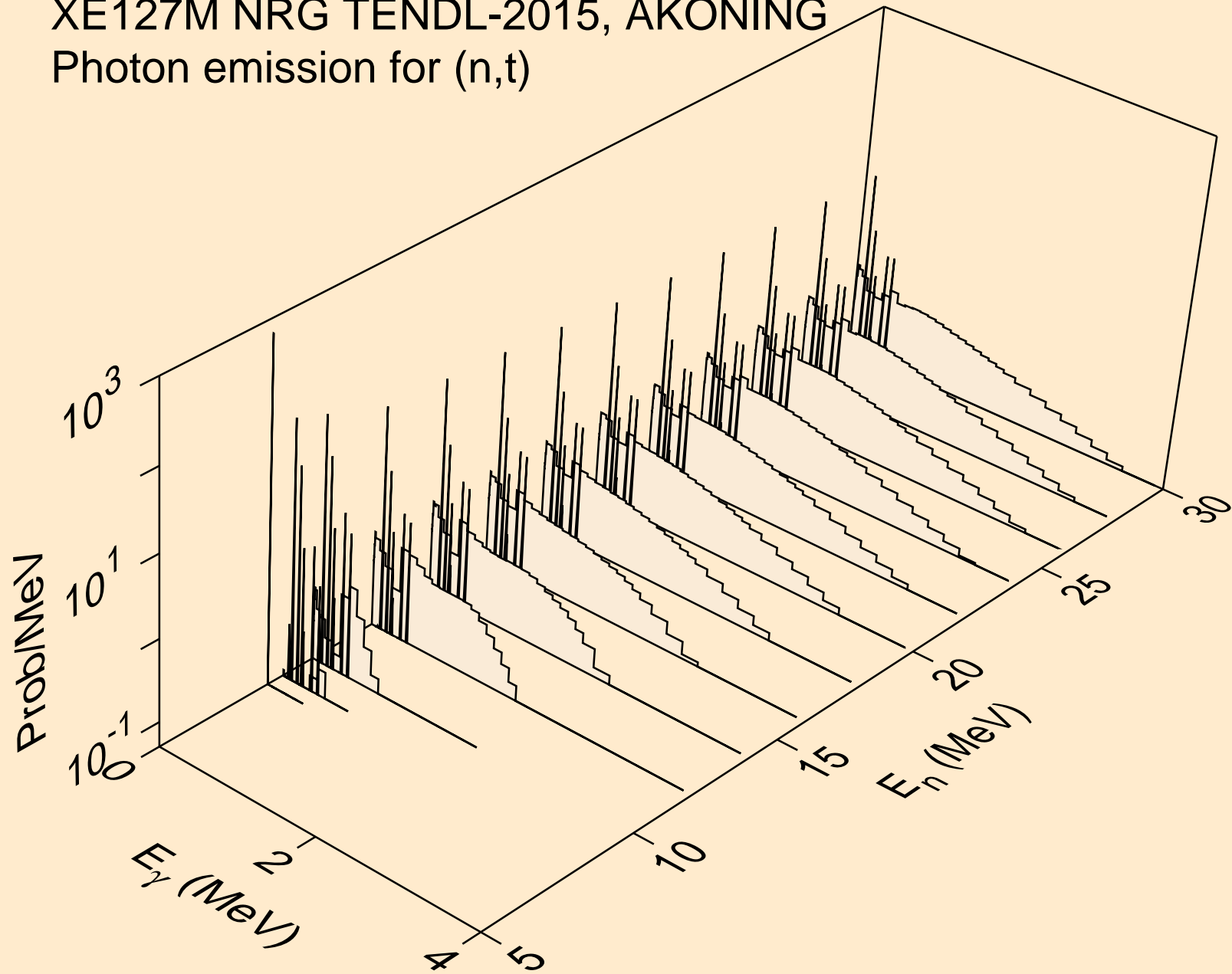
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Photon emission for (n,p)



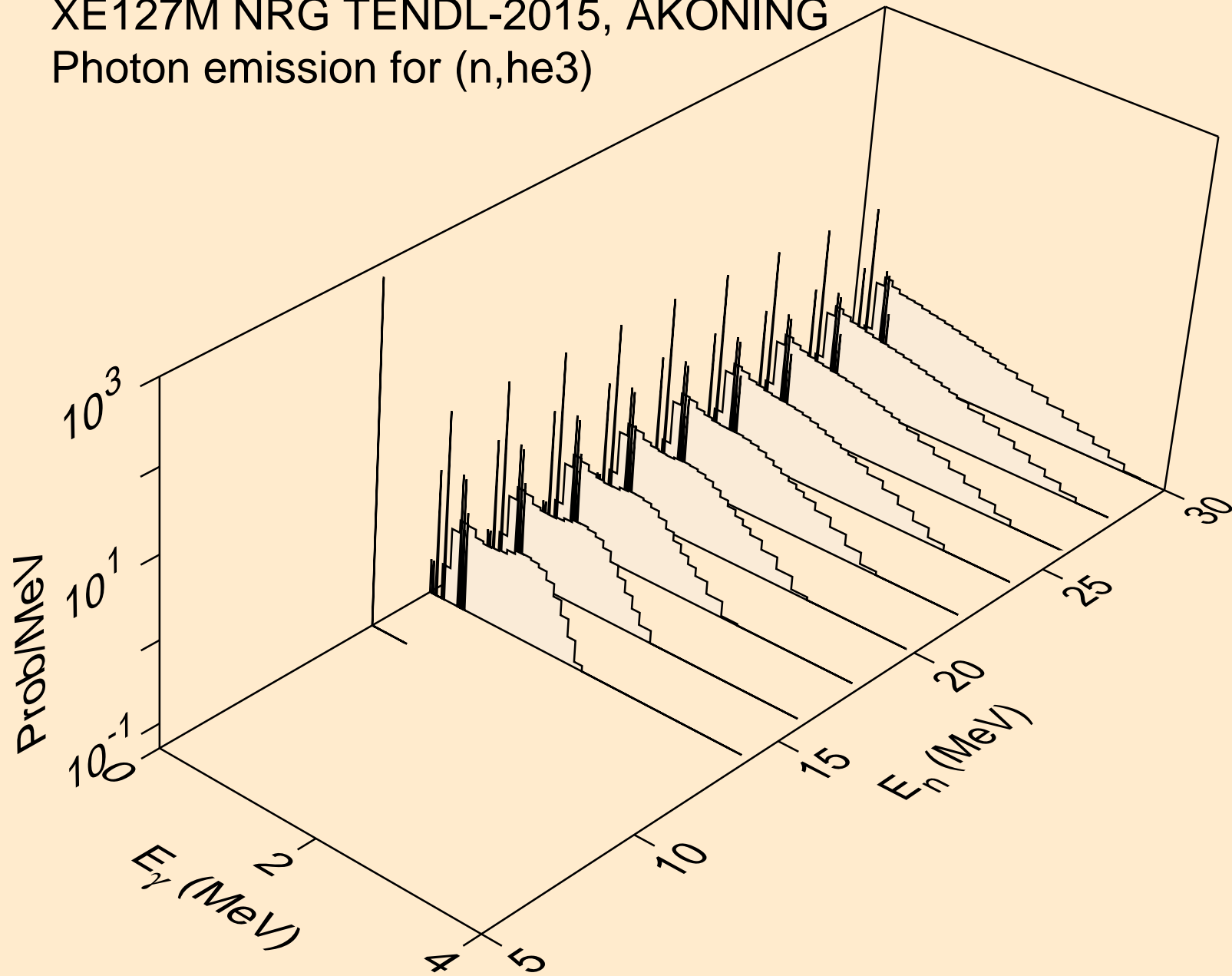
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Photon emission for (n,d)



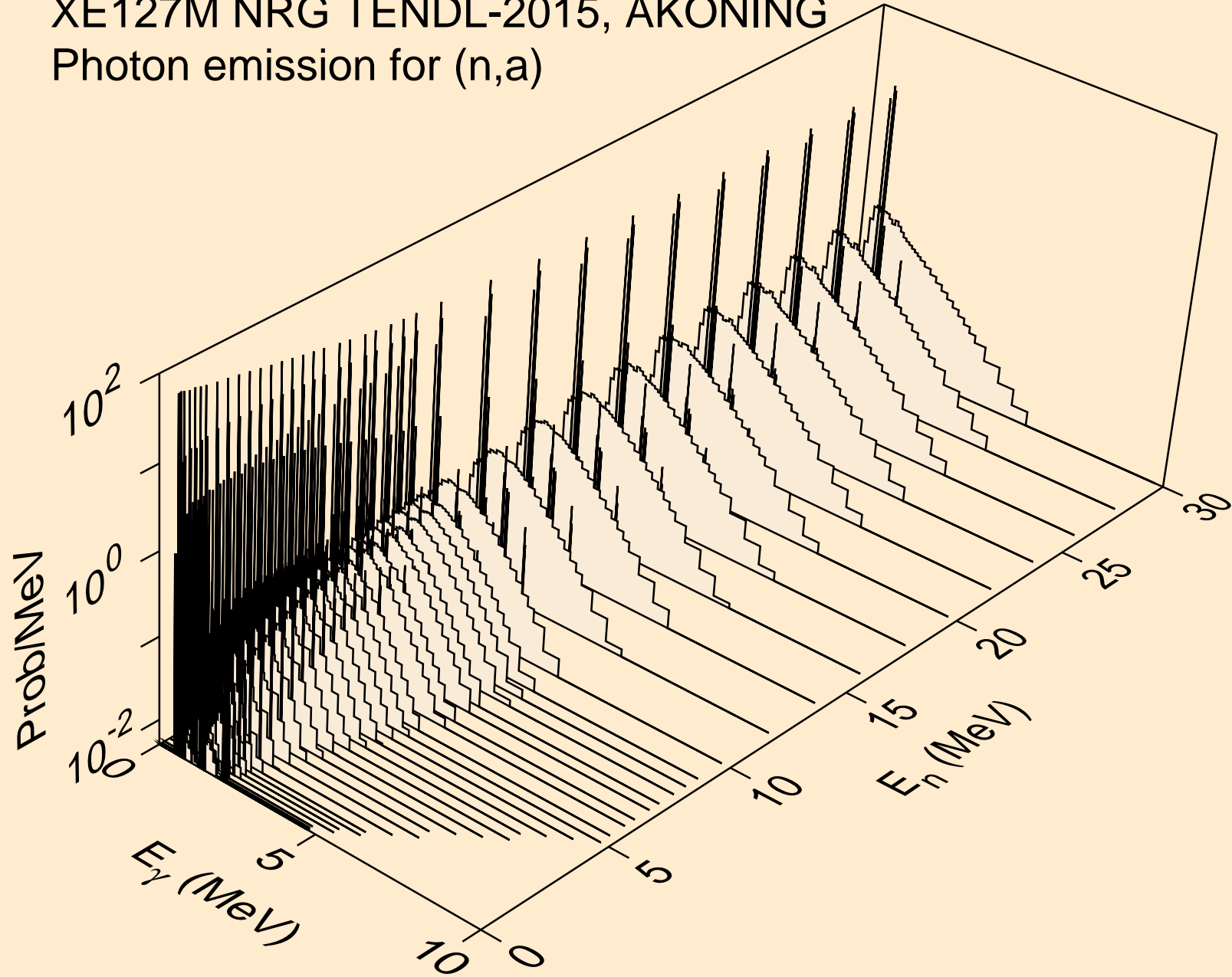
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Photon emission for (n,t)



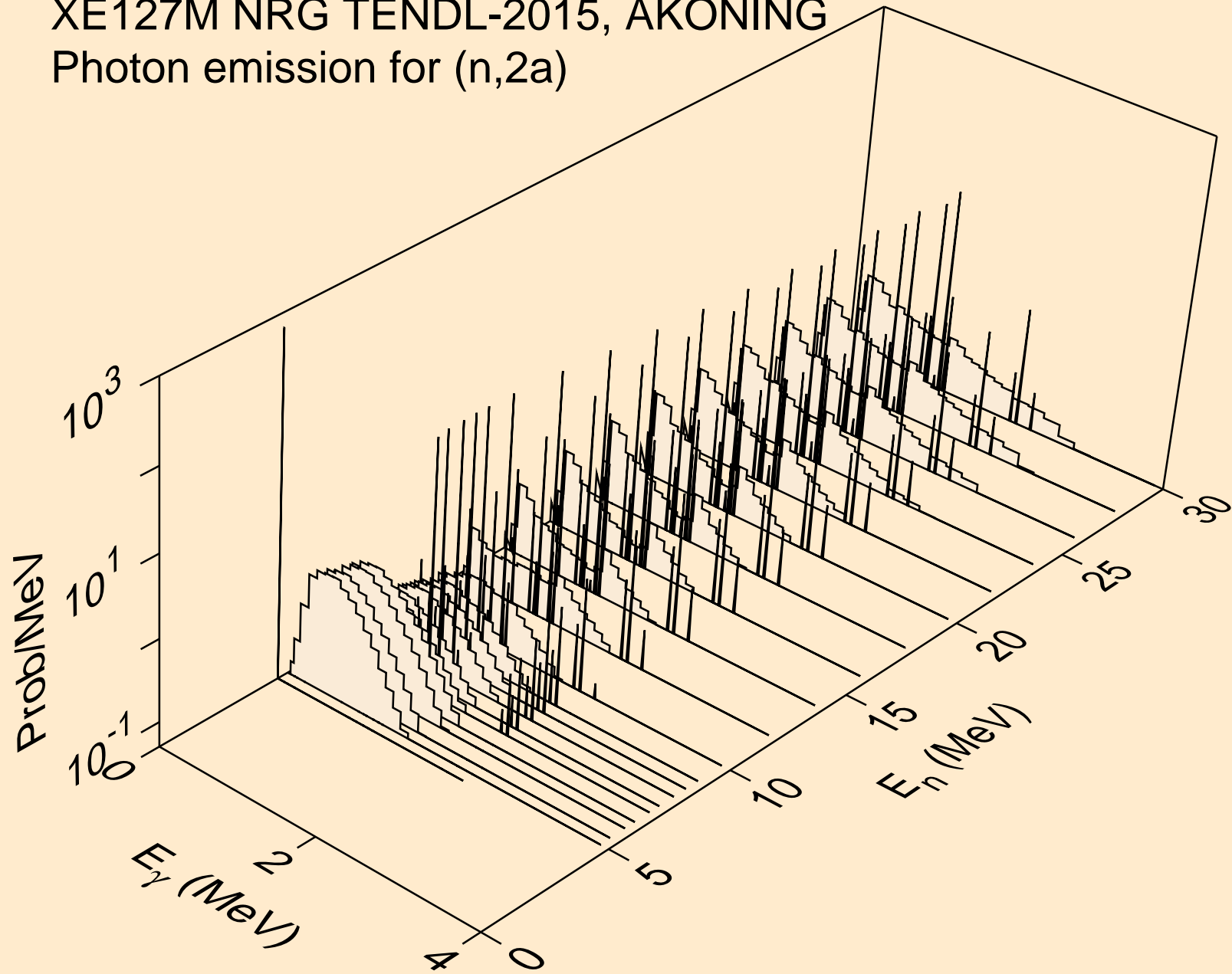
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Photon emission for (n,he3)



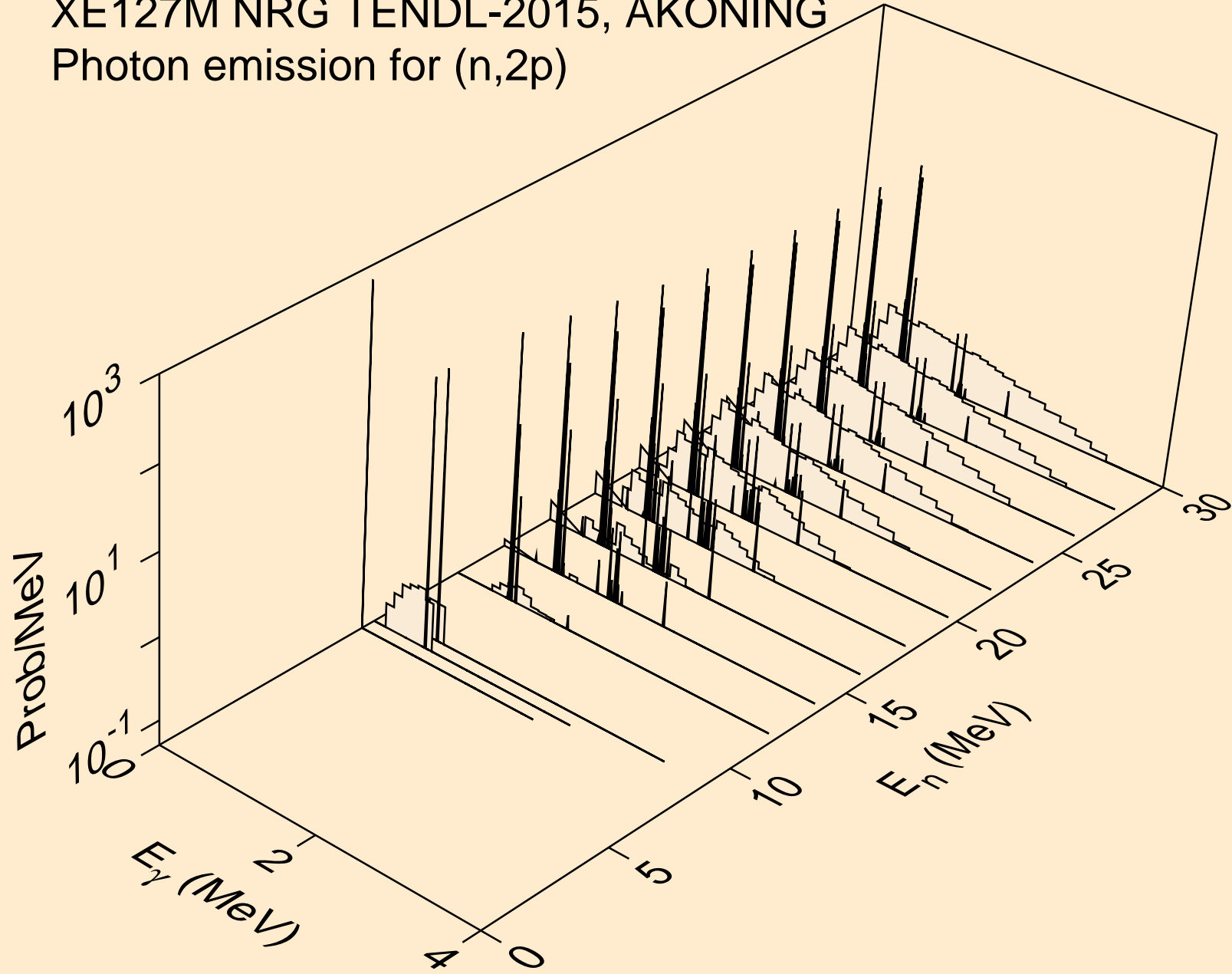
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Photon emission for (n,a)



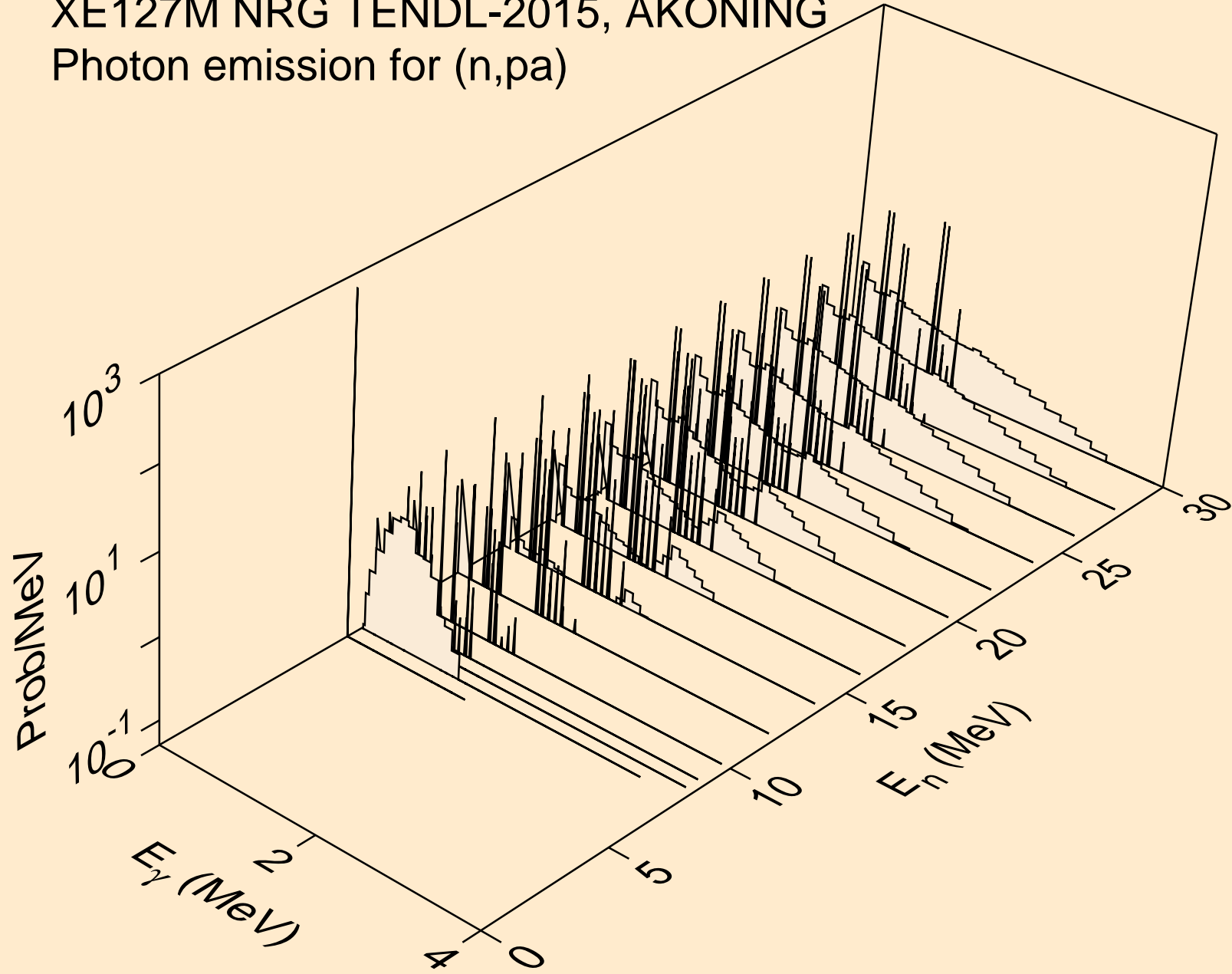
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Photon emission for (n,2a)



XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

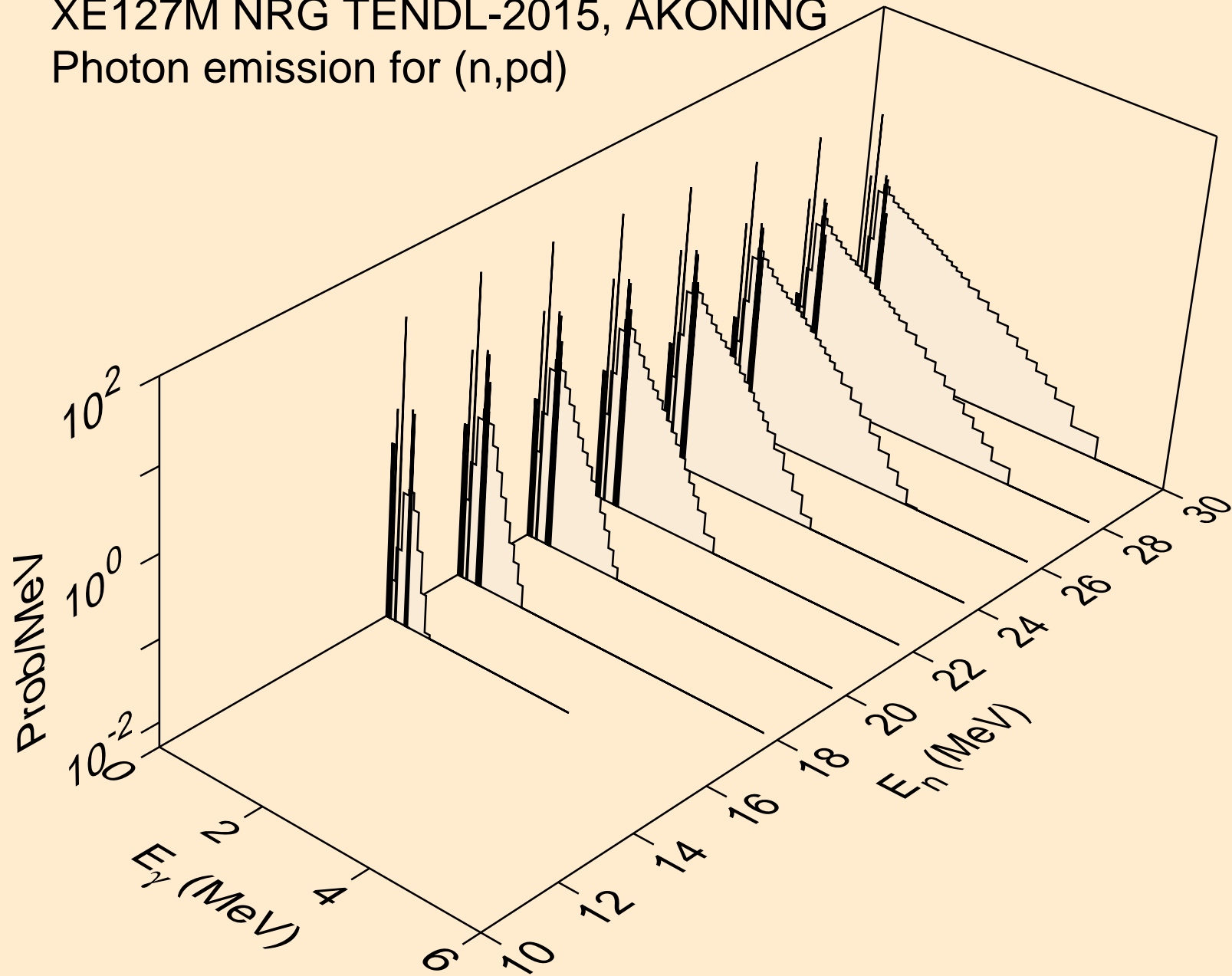


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Photon emission for (n,pa)

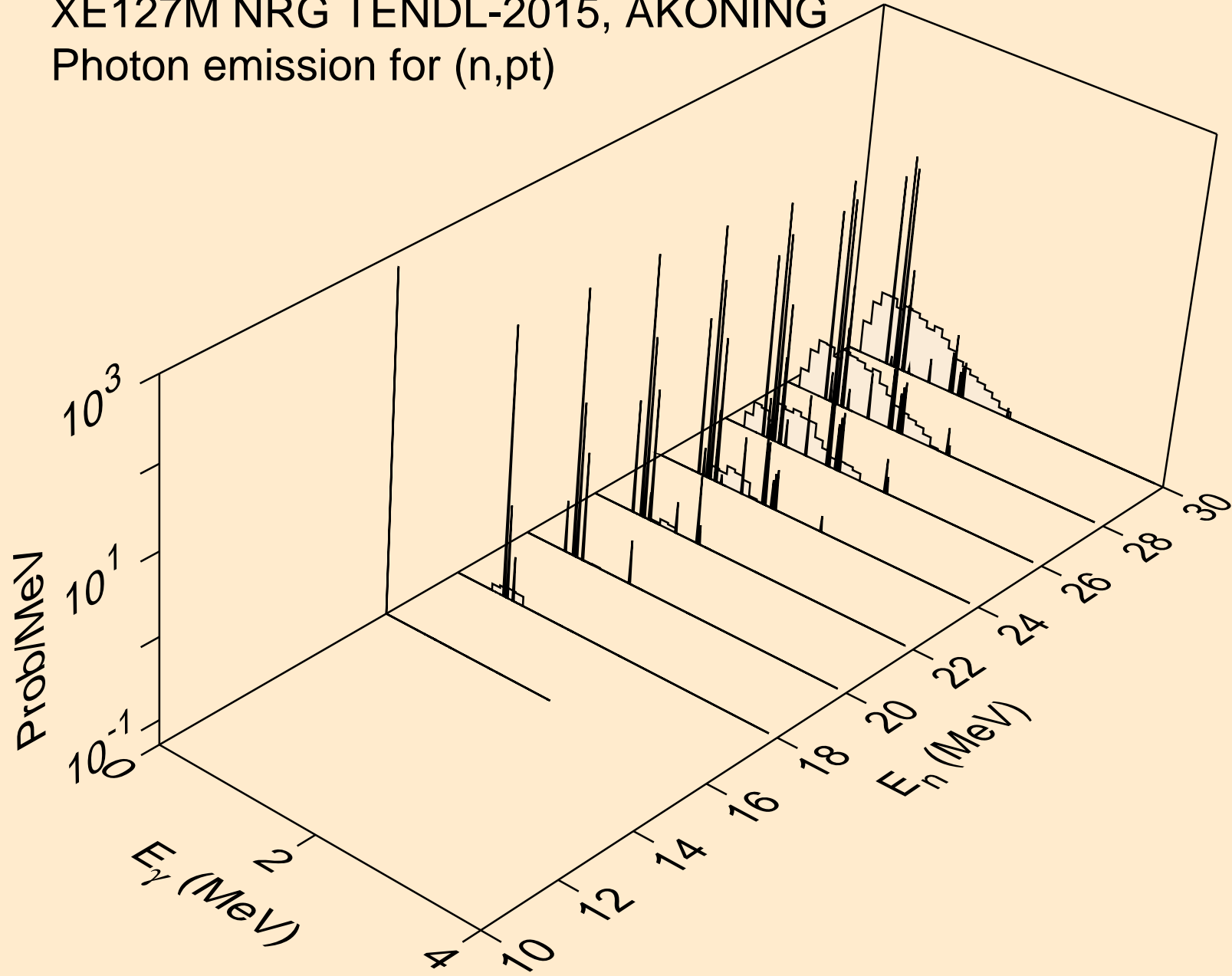




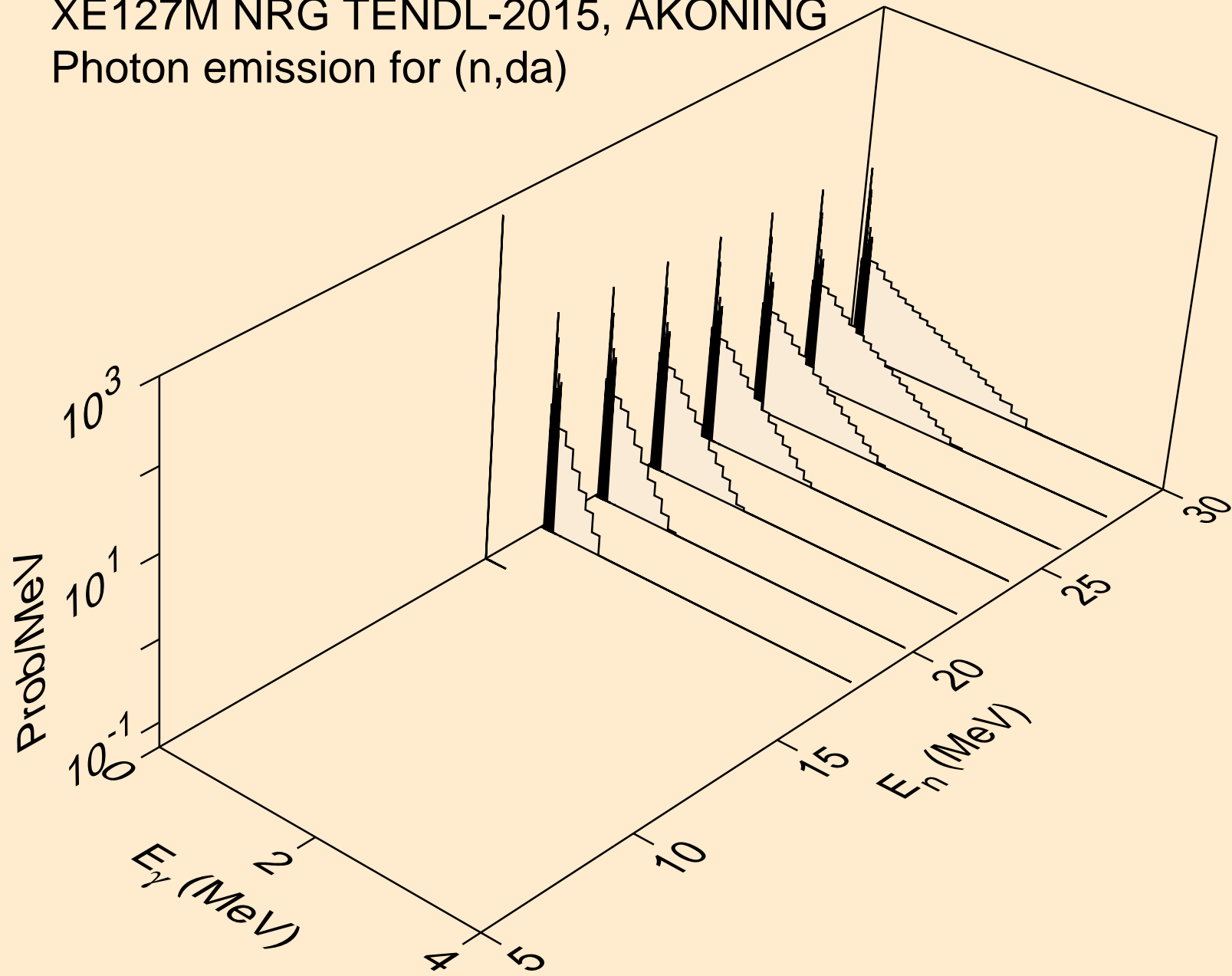
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Photon emission for (n,pd)



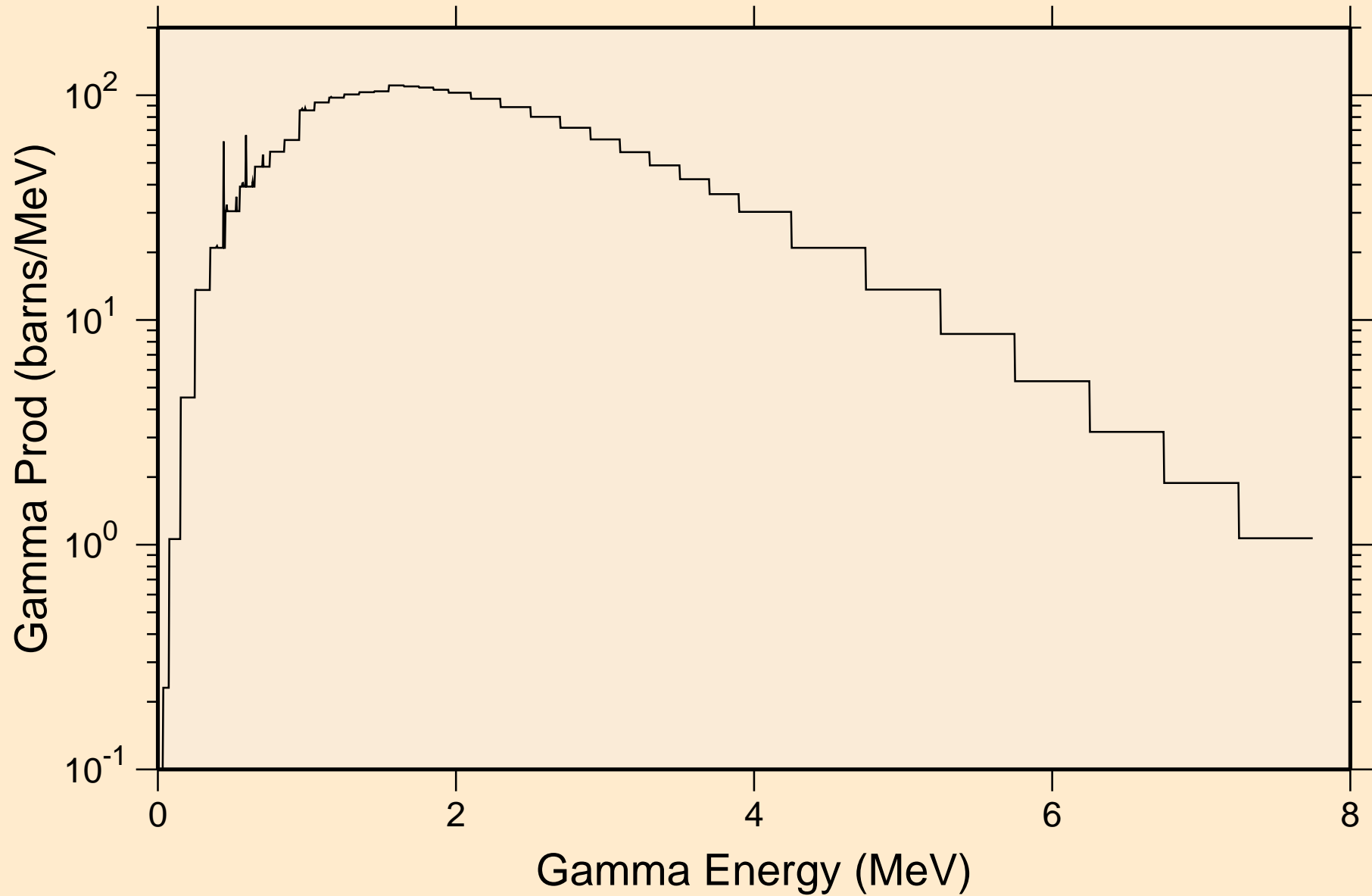
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Photon emission for (n,pt)



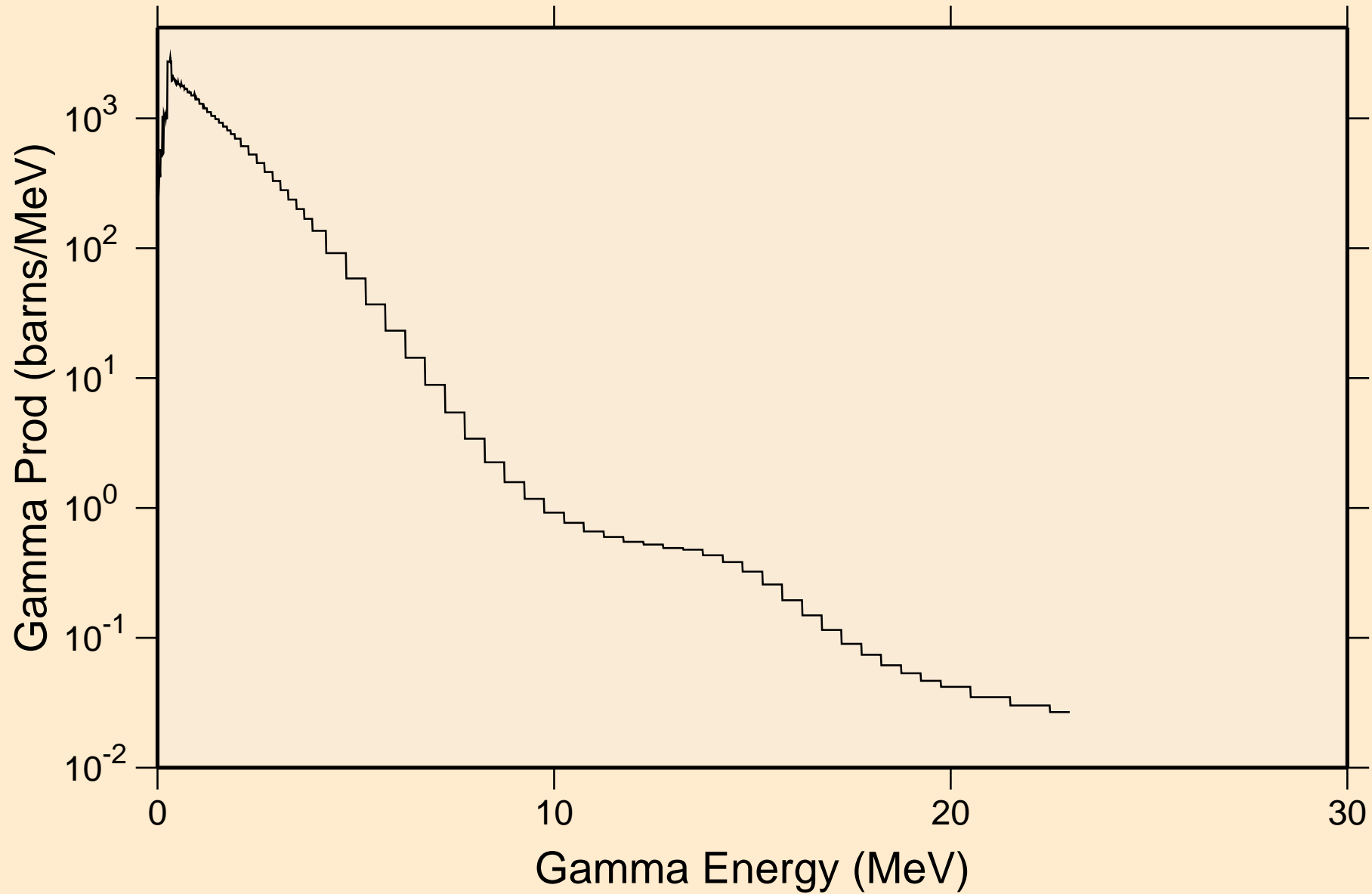
XE127M NRG TENDL-2015, AKONING  
Photon emission for (n,da)



XE127M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

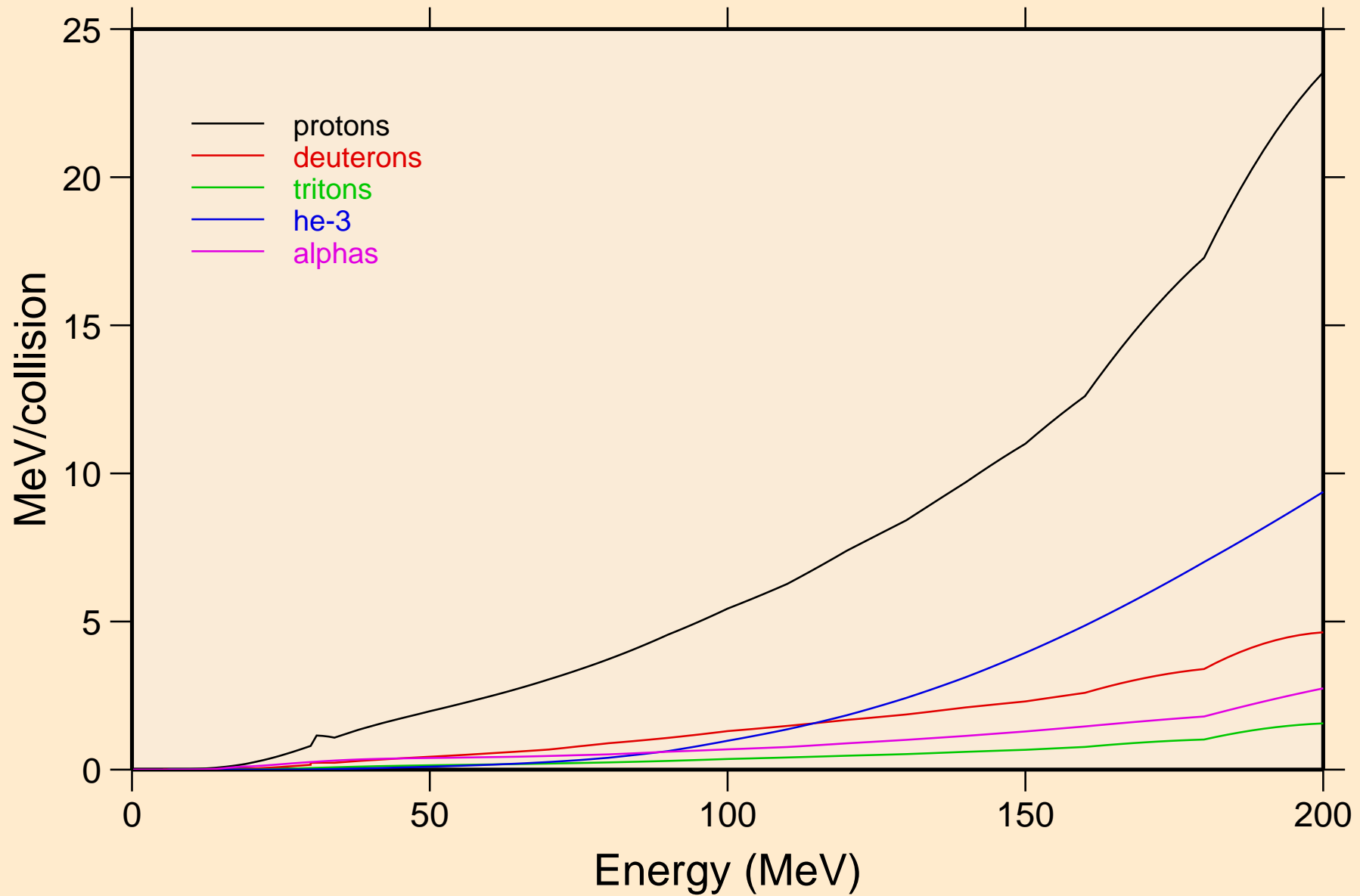


XE127M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



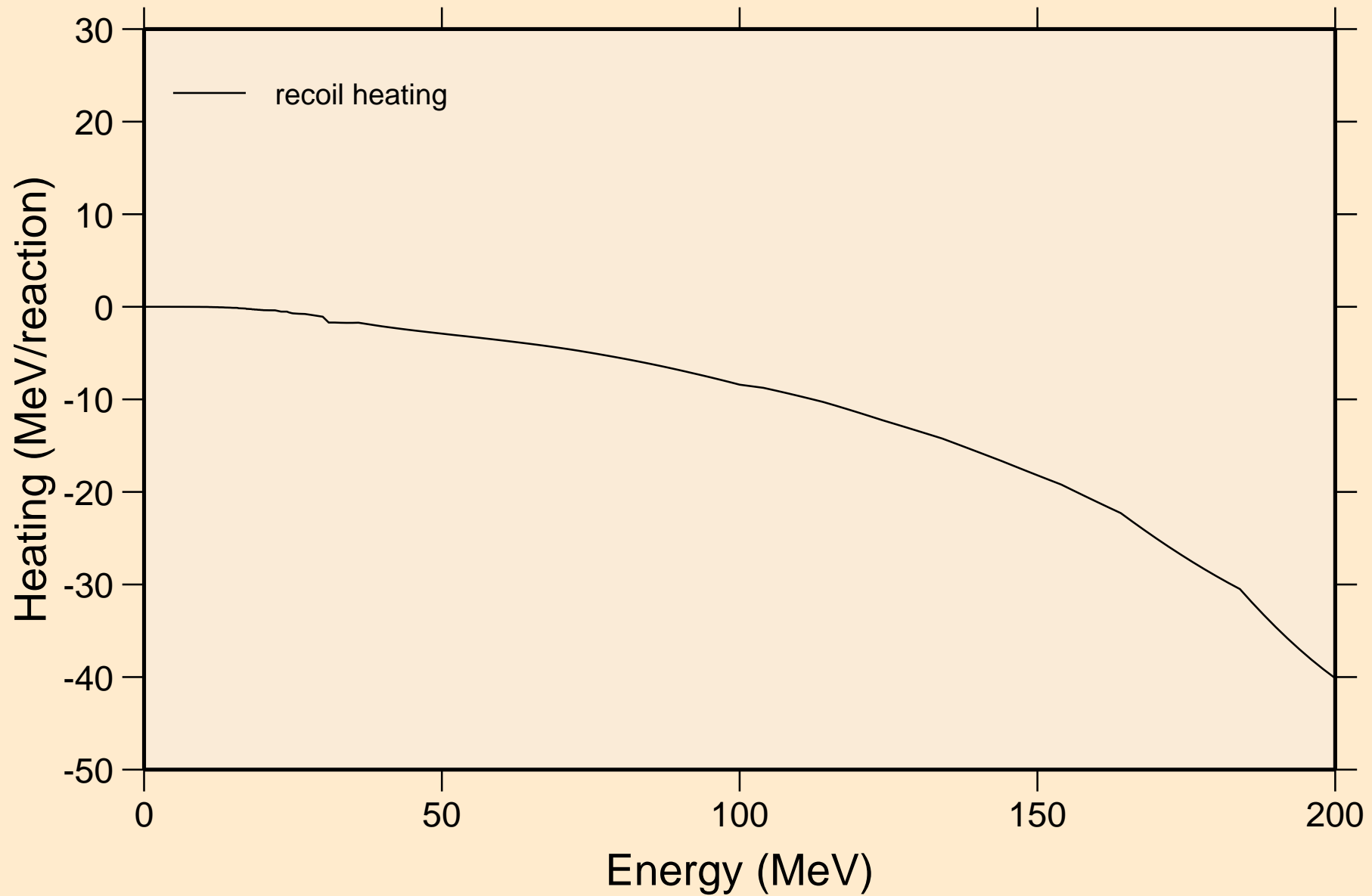
# XE127M NRG TENDL-2015, AKONING

## Particle heating contributions



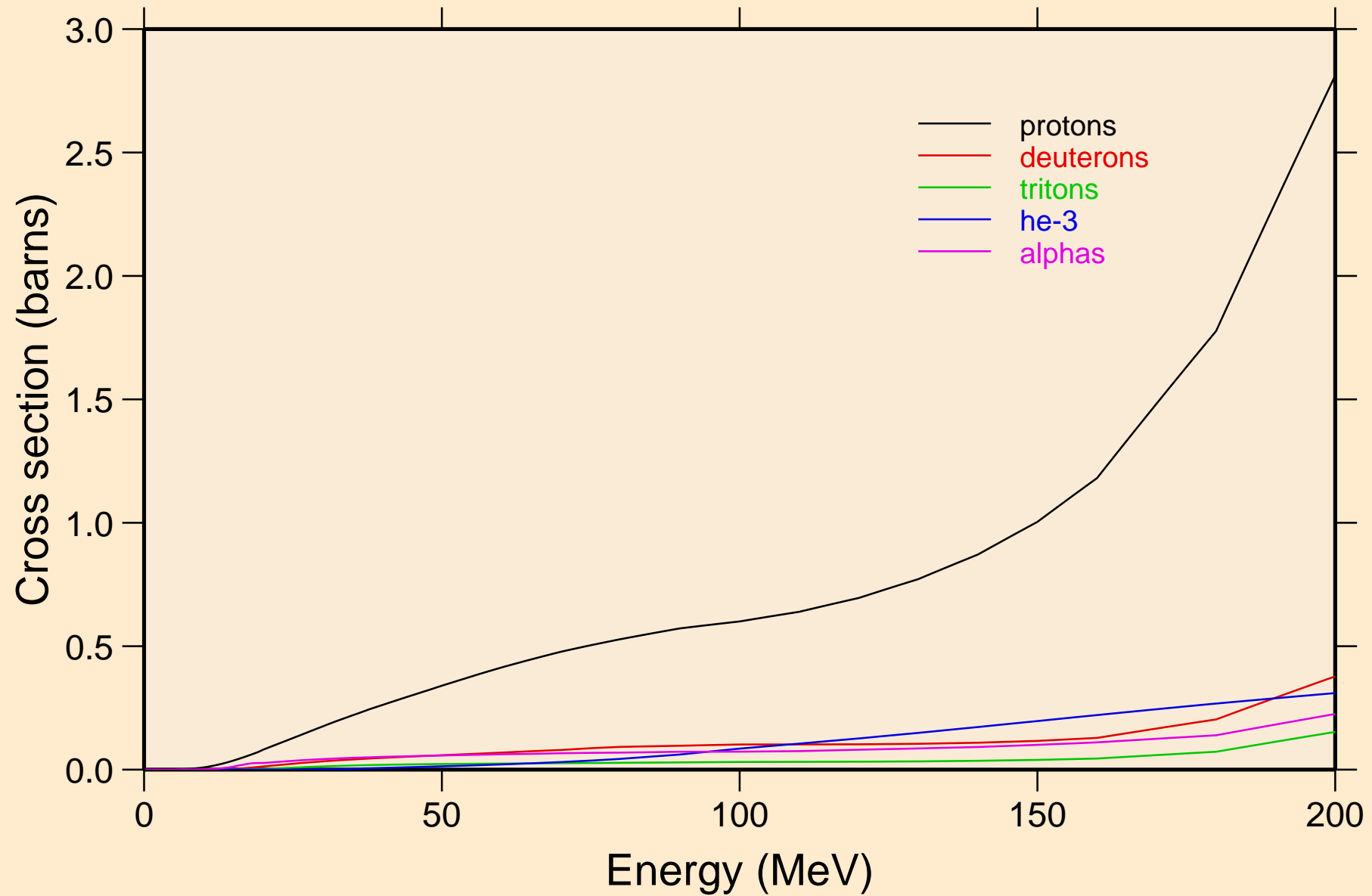
# XE127M NRG TENDL-2015, AKONING

## Recoil Heating



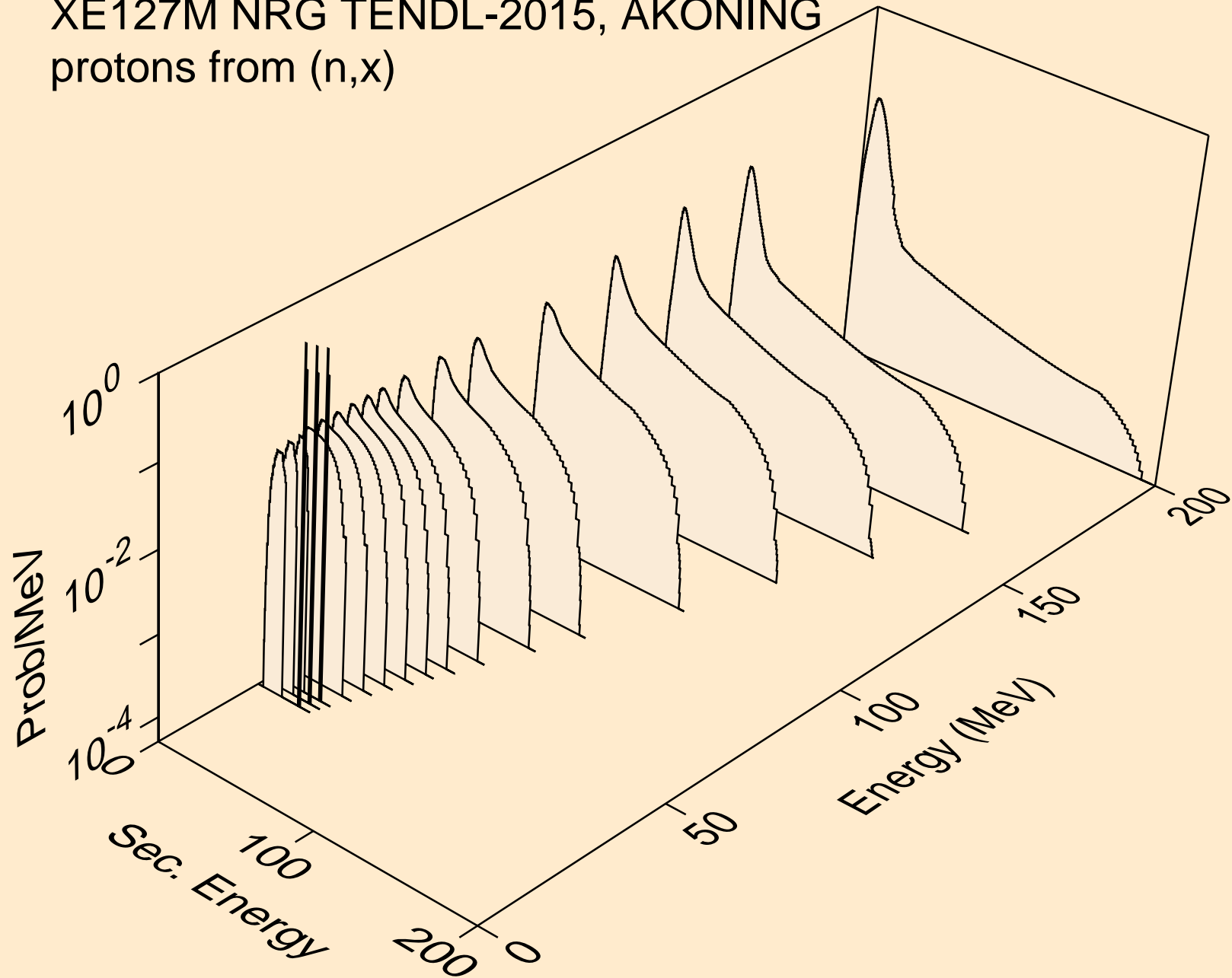
# XE127M NRG TENDL-2015, AKONING

## Particle production cross sections

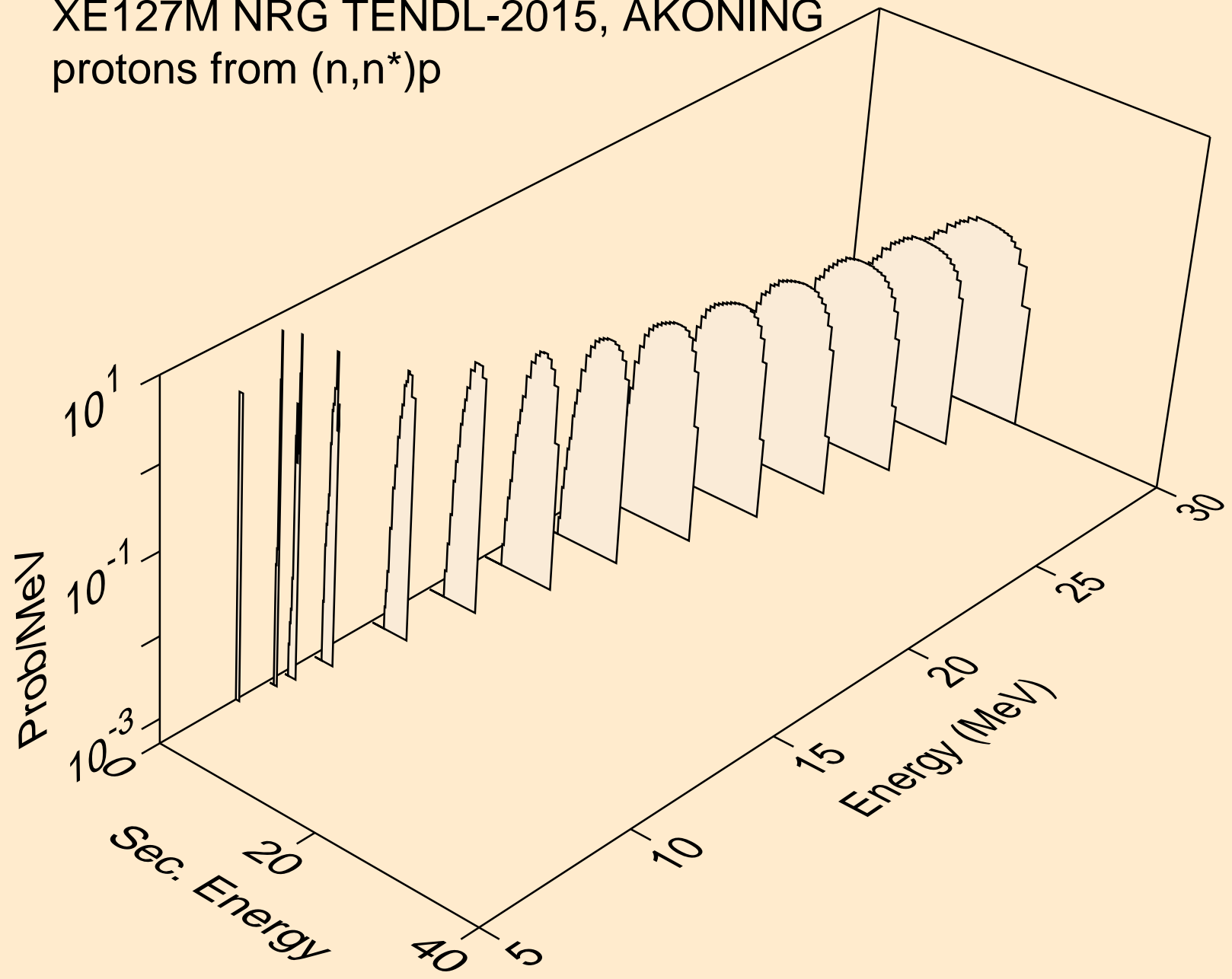




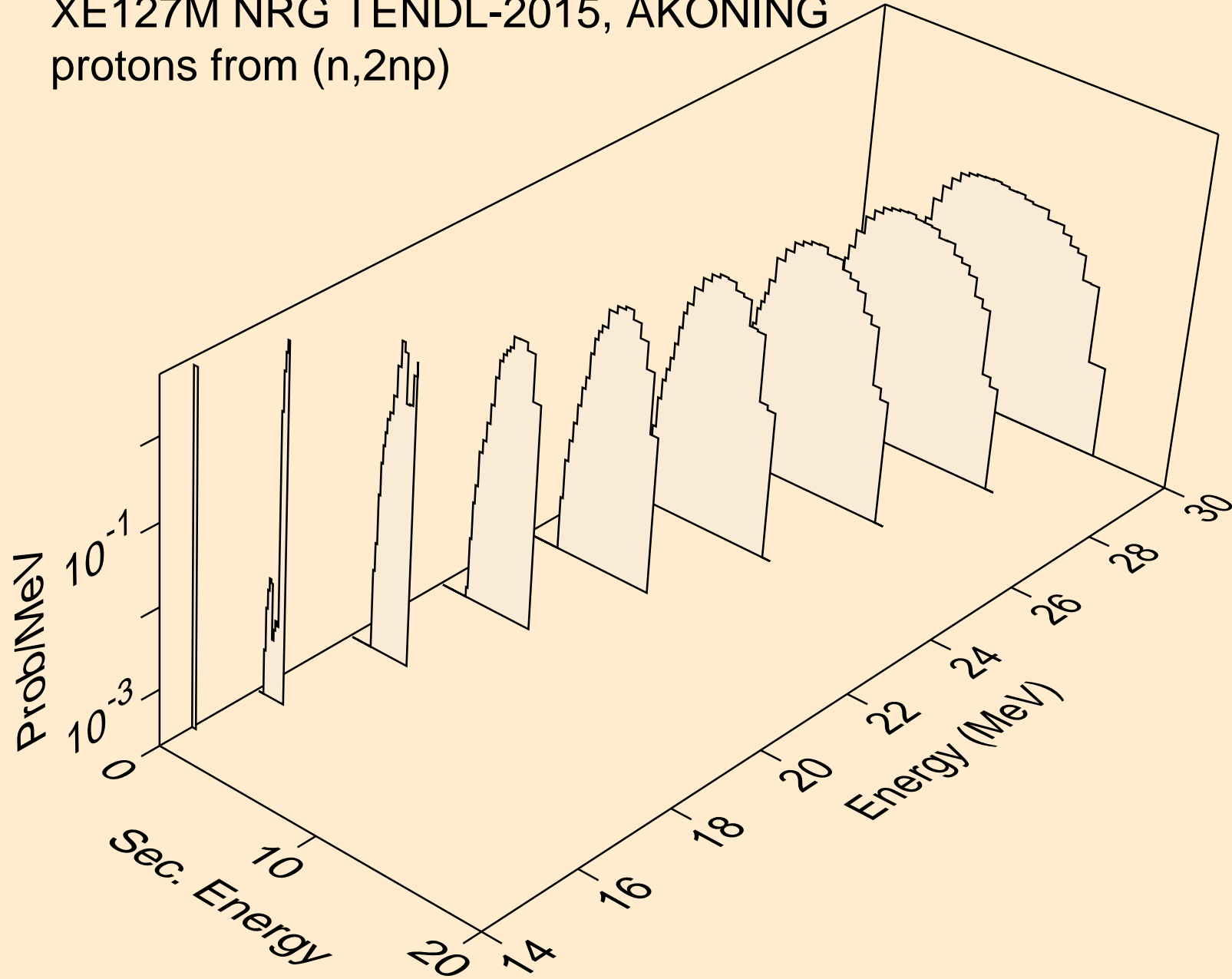
XE127M NRG TENDL-2015, AKONING  
protons from (n,x)



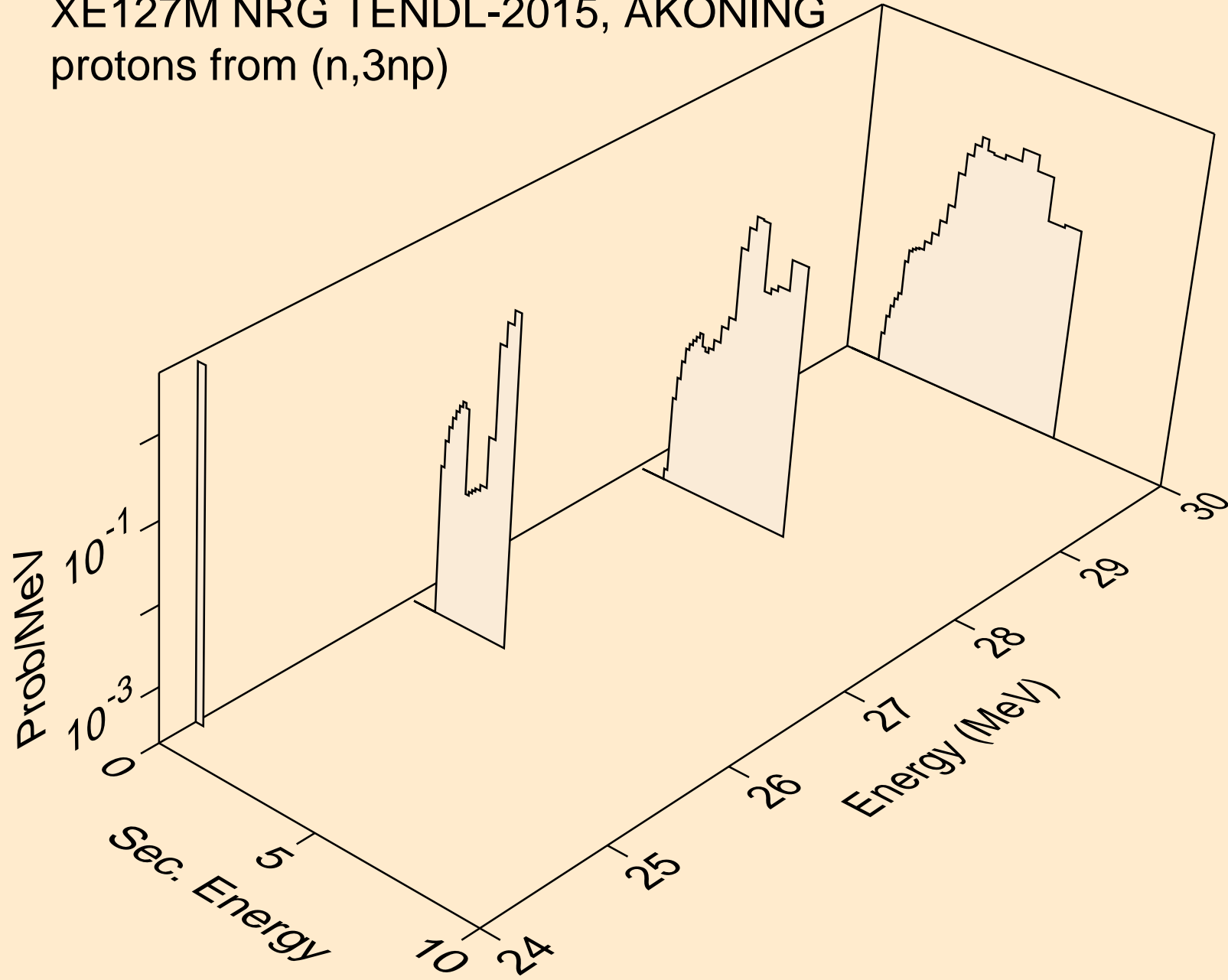
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protons from (n,n\*)p



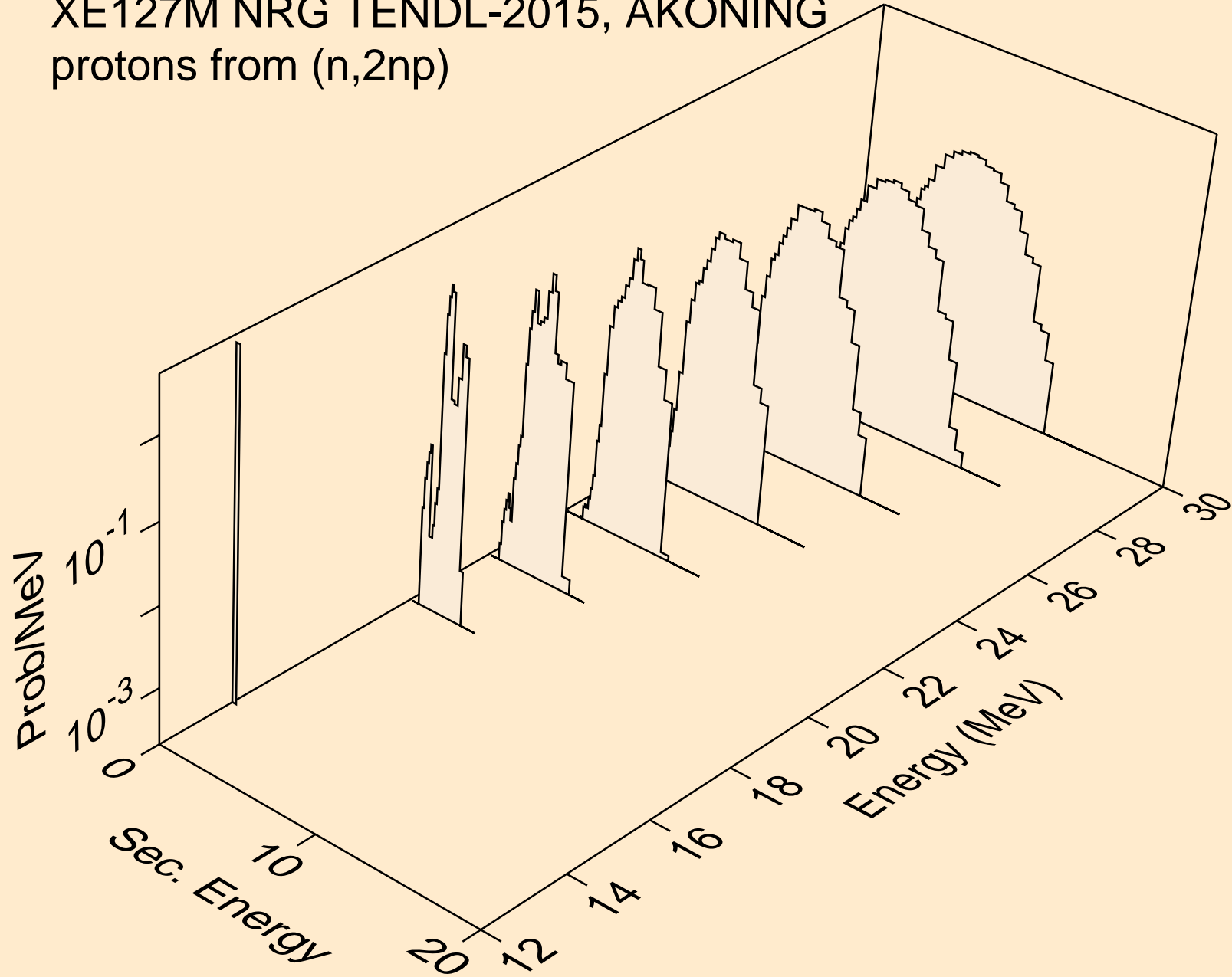
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protons from (n,2np)



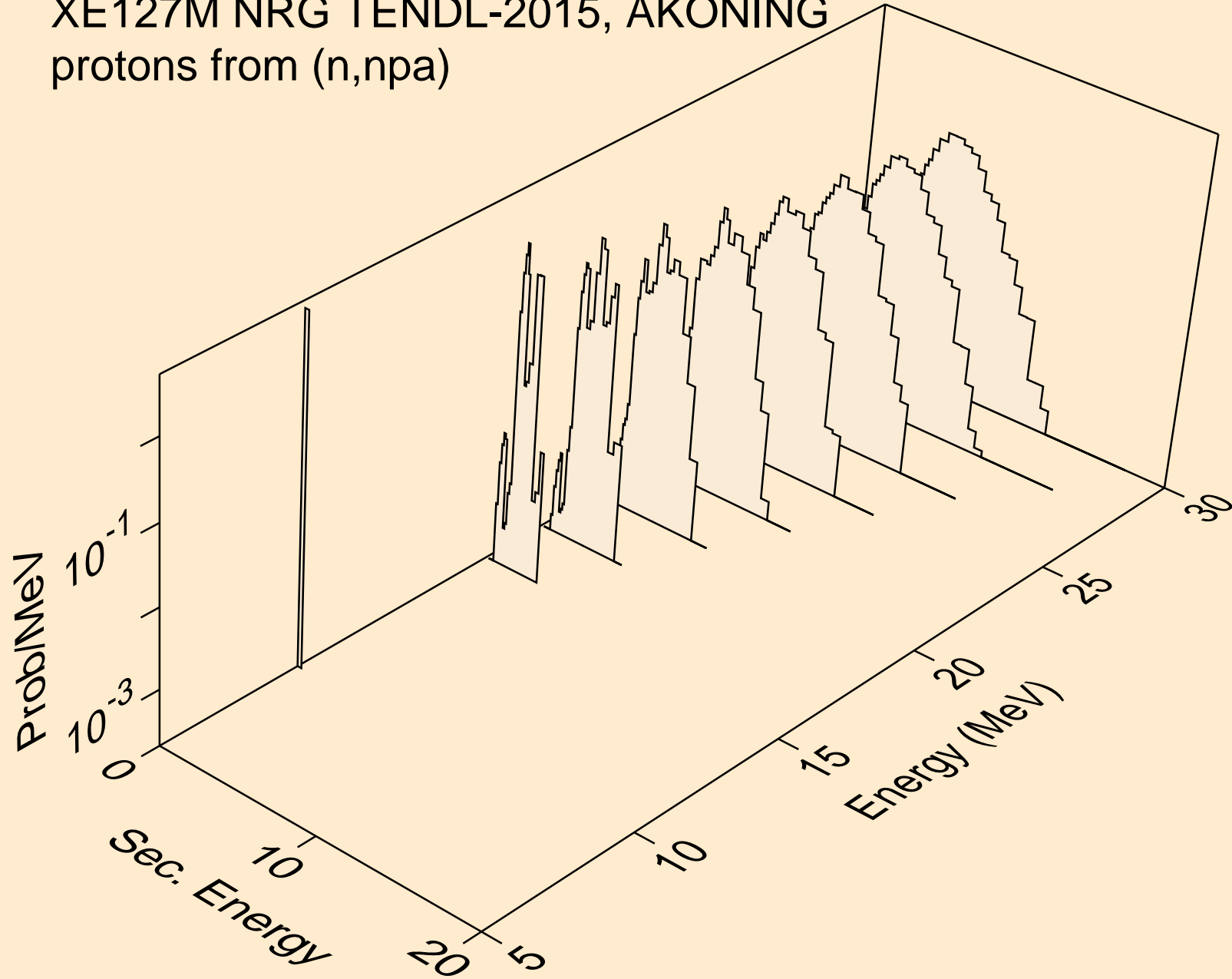
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protons from (n,3np)



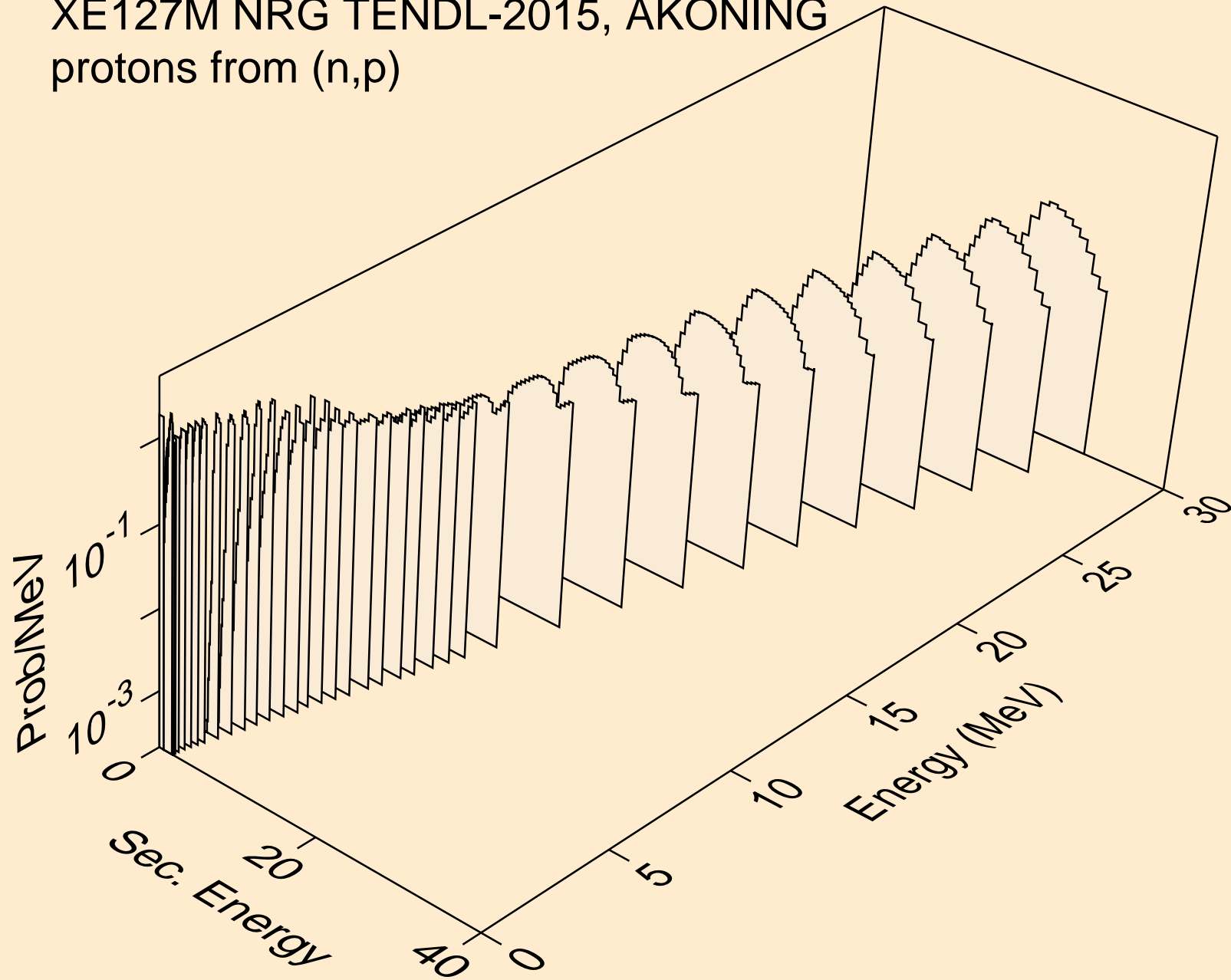
XE127M NRG TENDL-2015, AKONING  
protons from (n,2np)



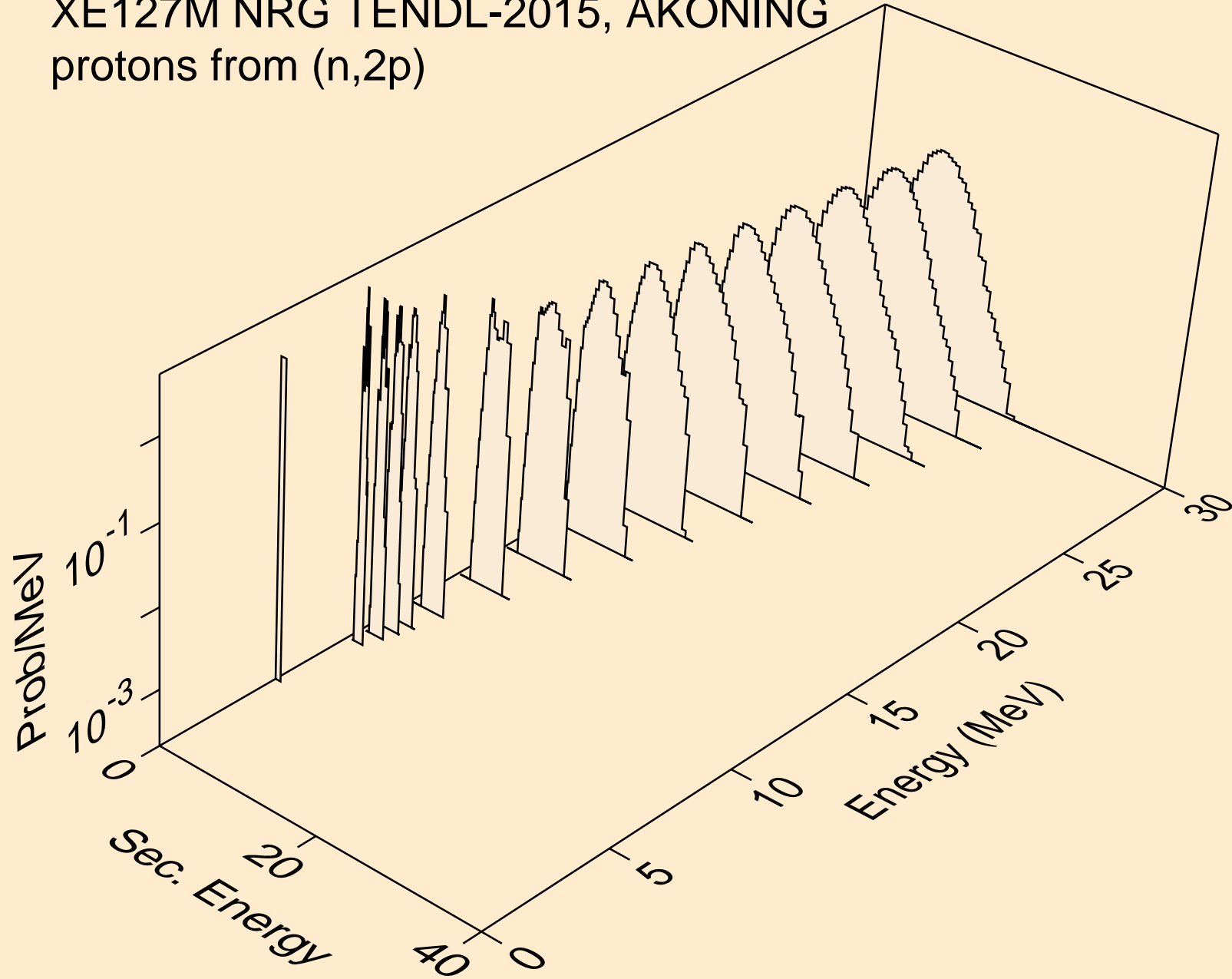
XE127M NRG TENDL-2015, AKONING  
protons from (n,npa)



XE127M NRG TENDL-2015, AKONING  
protons from (n,p)

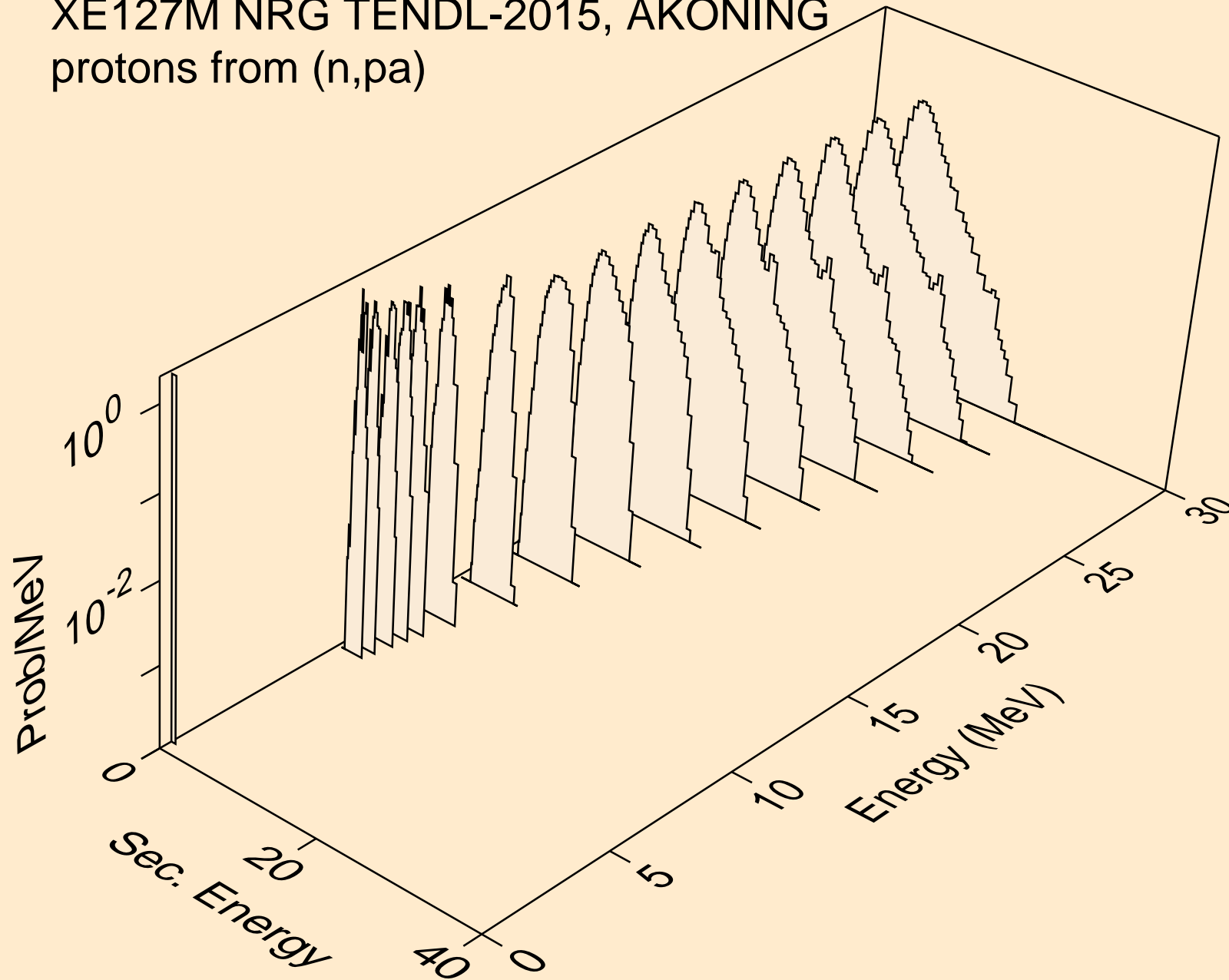


XE127M NRG TENDL-2015, AKONING  
protons from (n,2p)

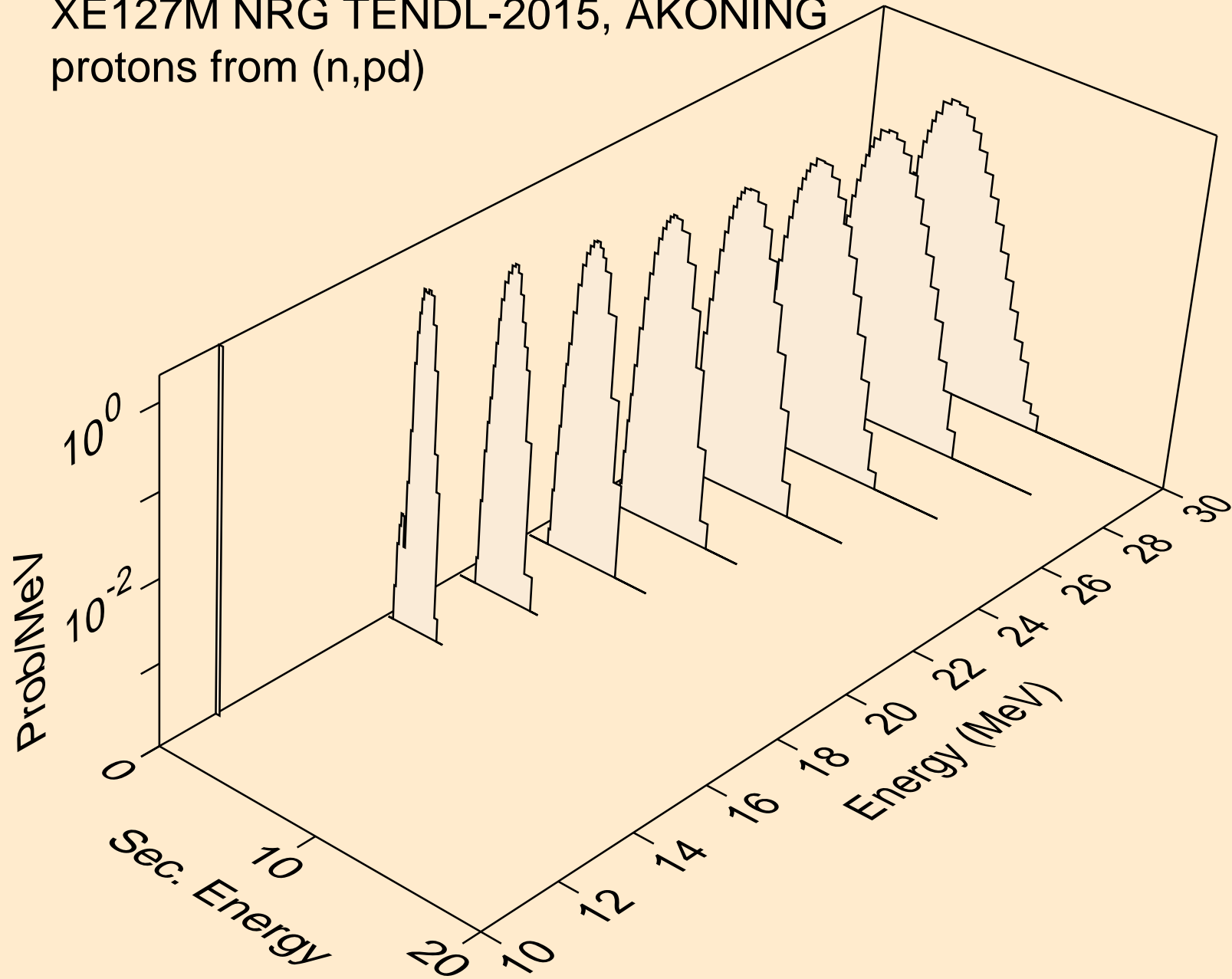




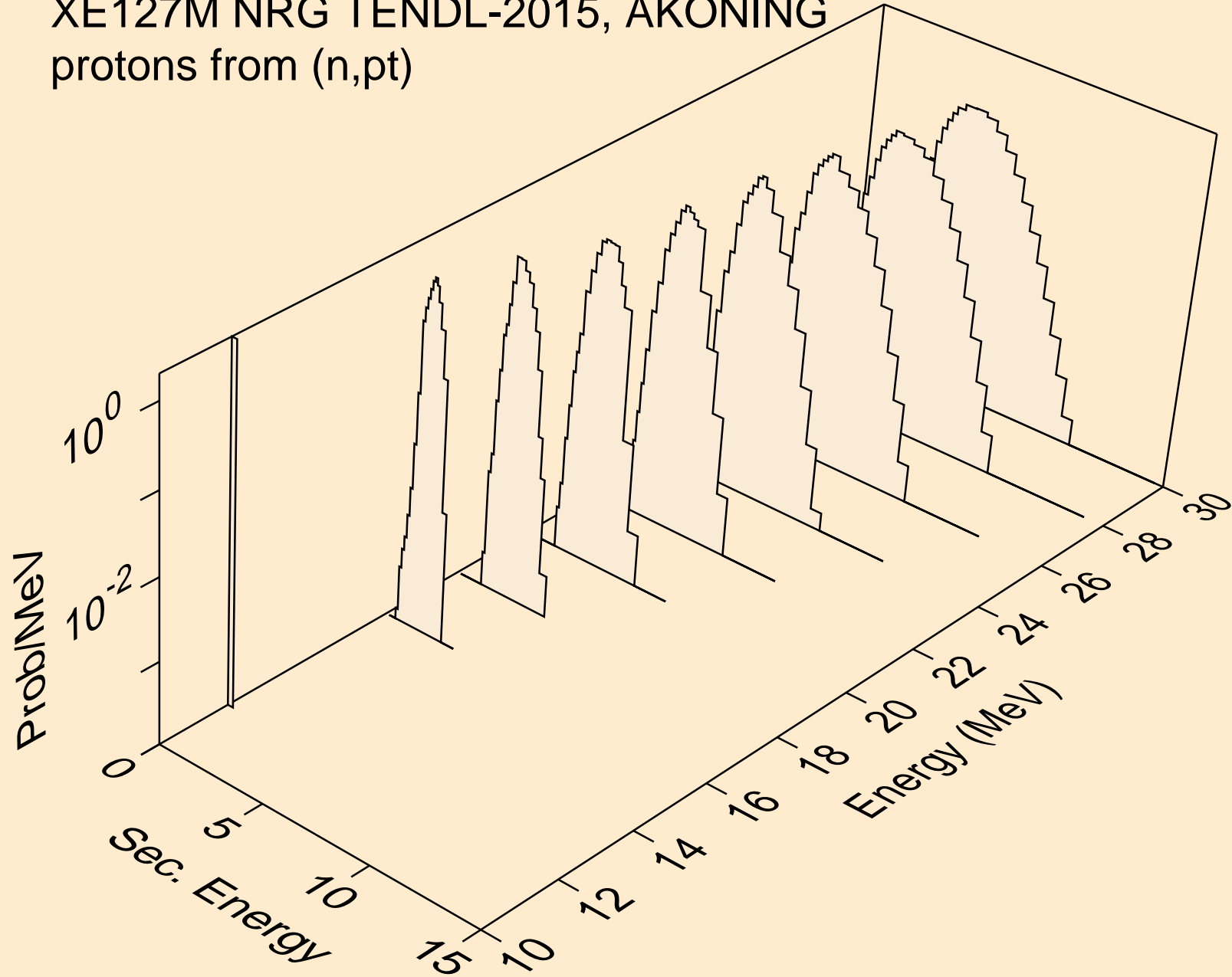
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protons from (n,pa)



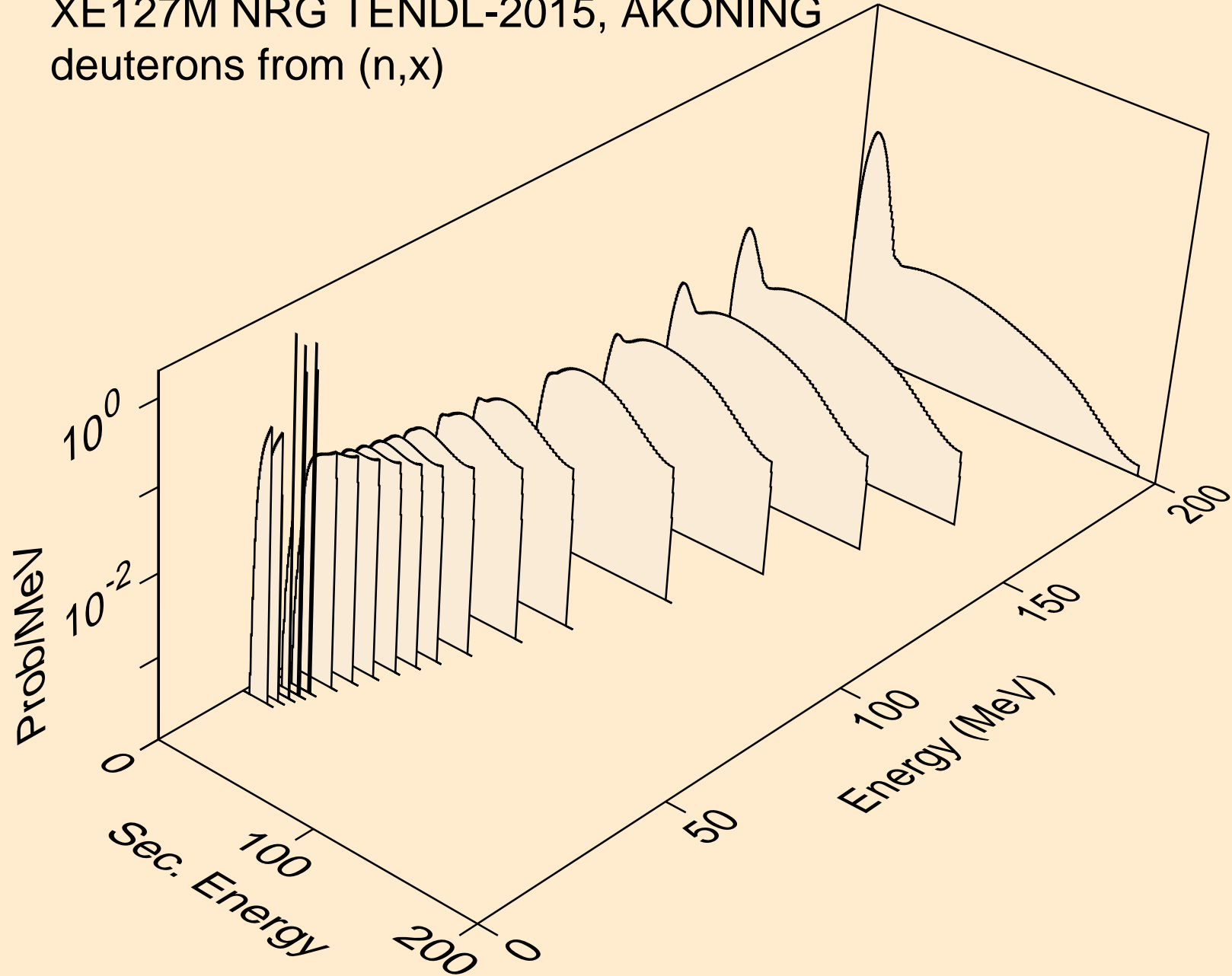
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protons from (n,pd)



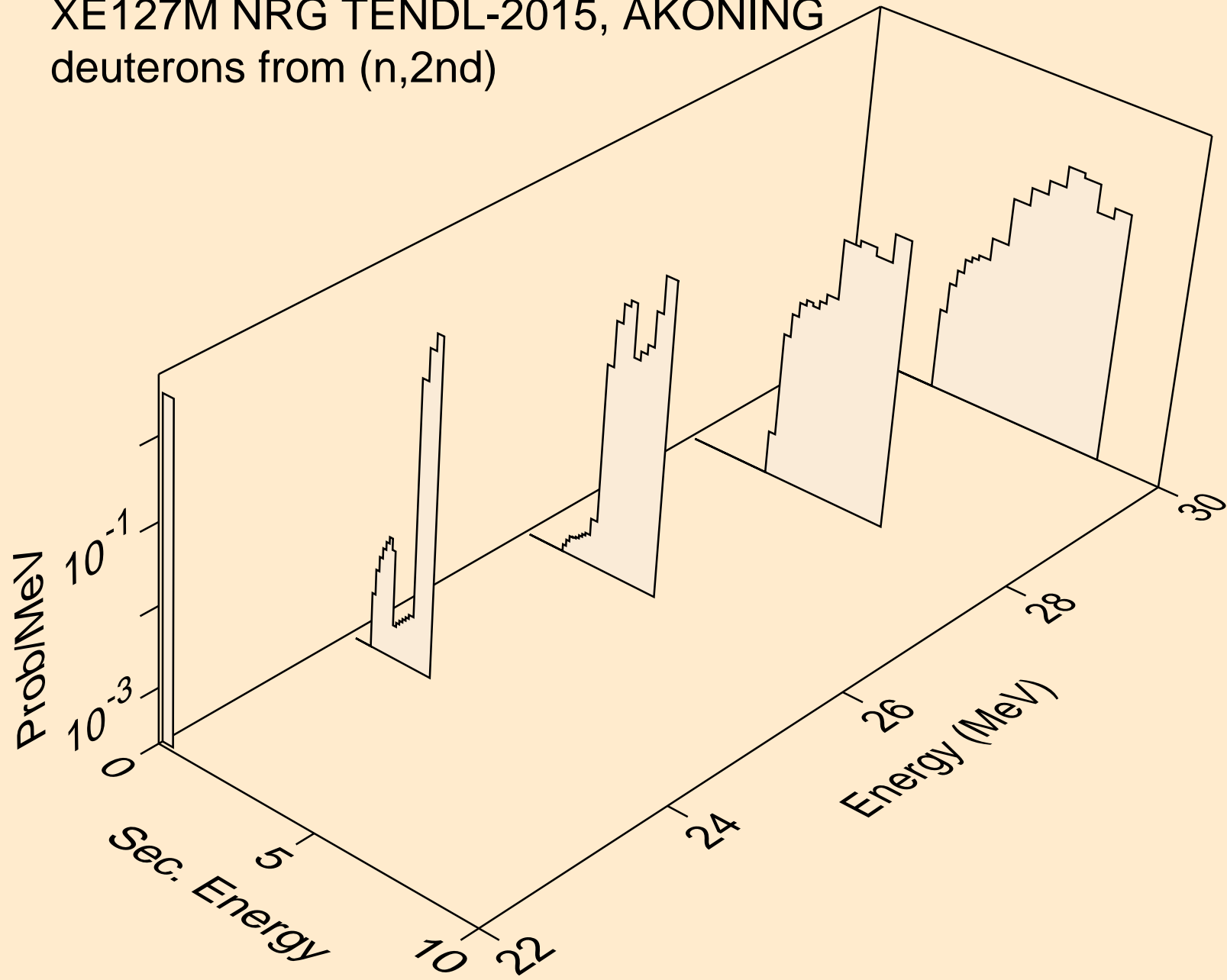
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protons from (n,pt)



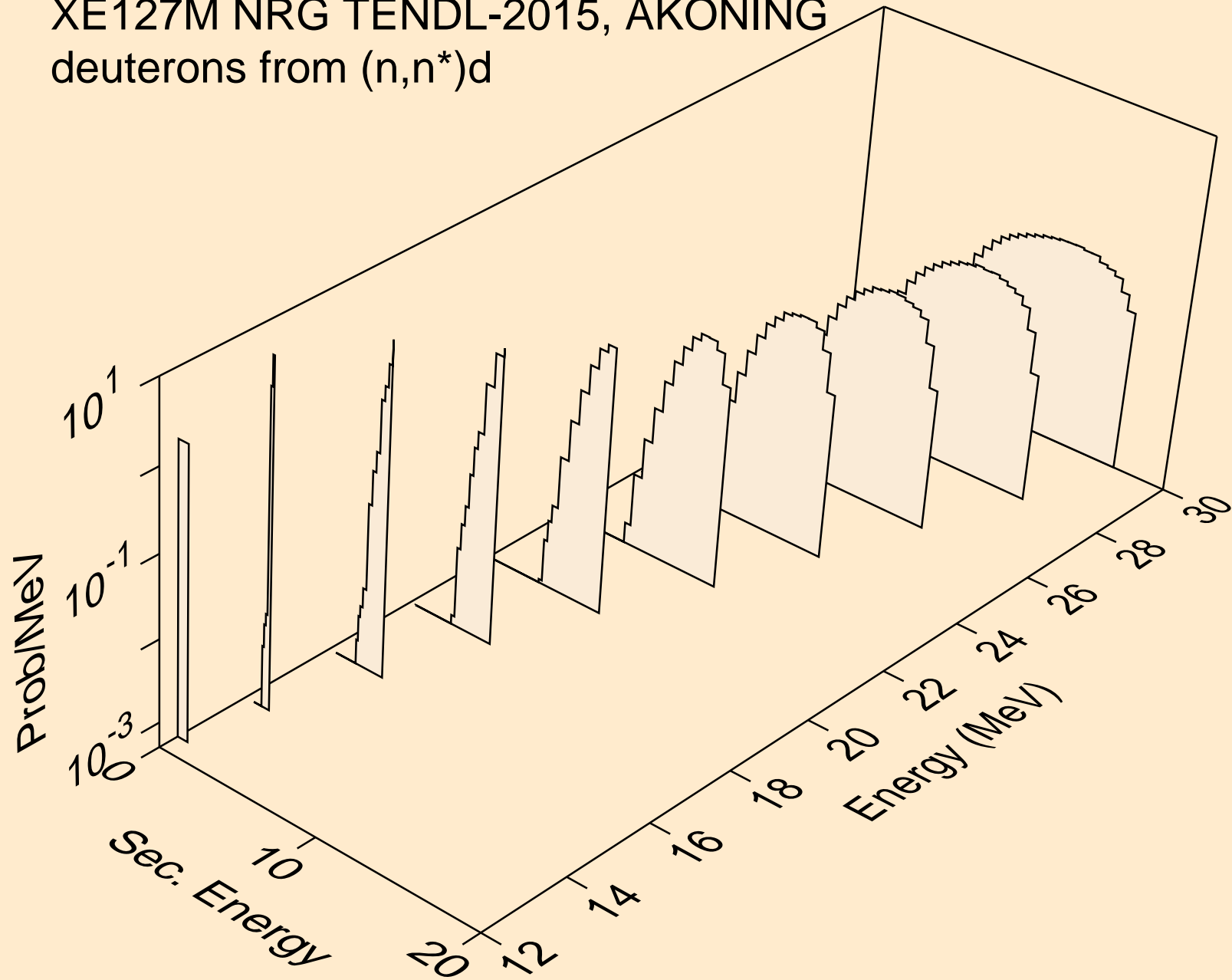
XE127M NRG TENDL-2015, AKONING  
deuterons from (n,x)



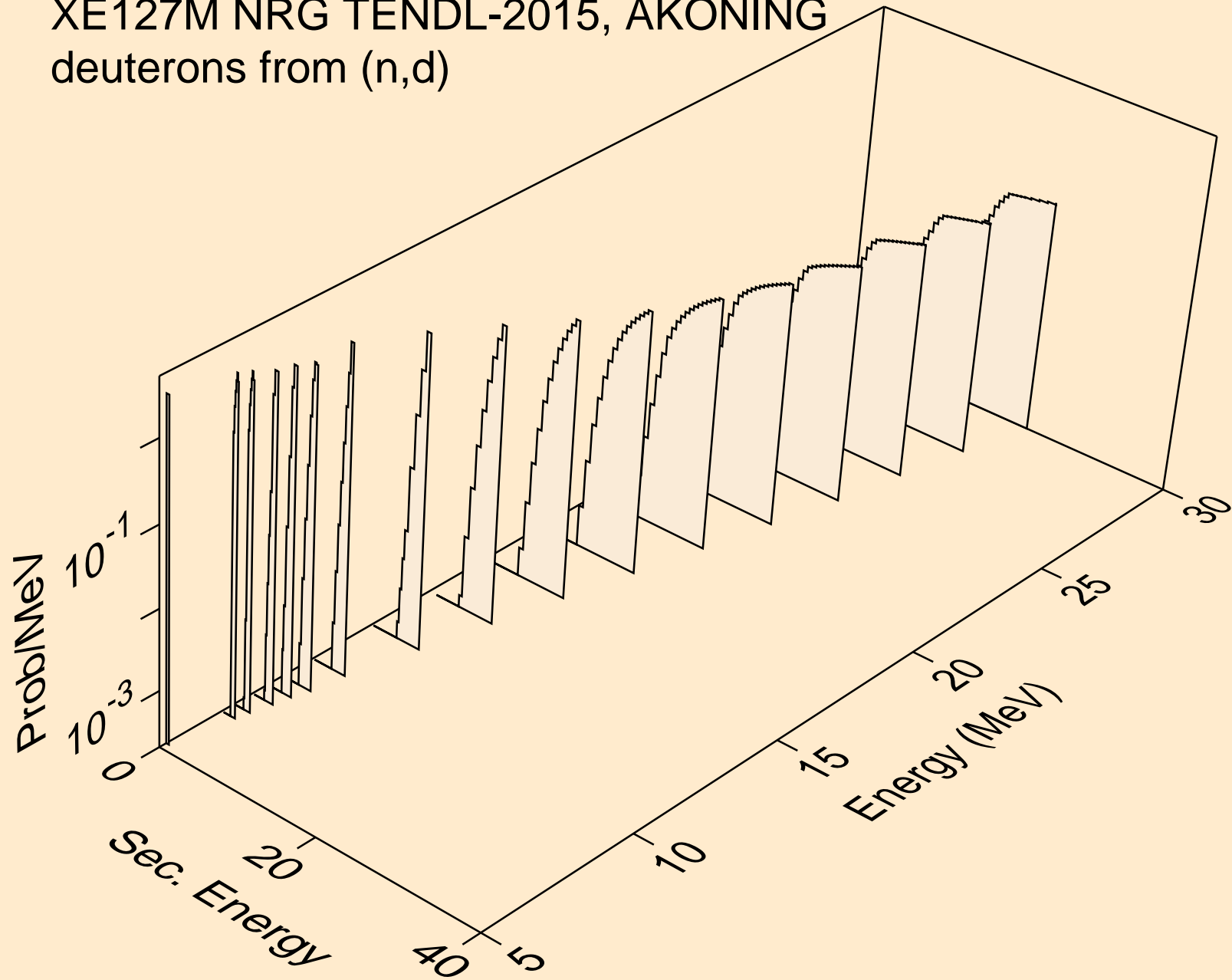
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deuterons from (n,2nd)



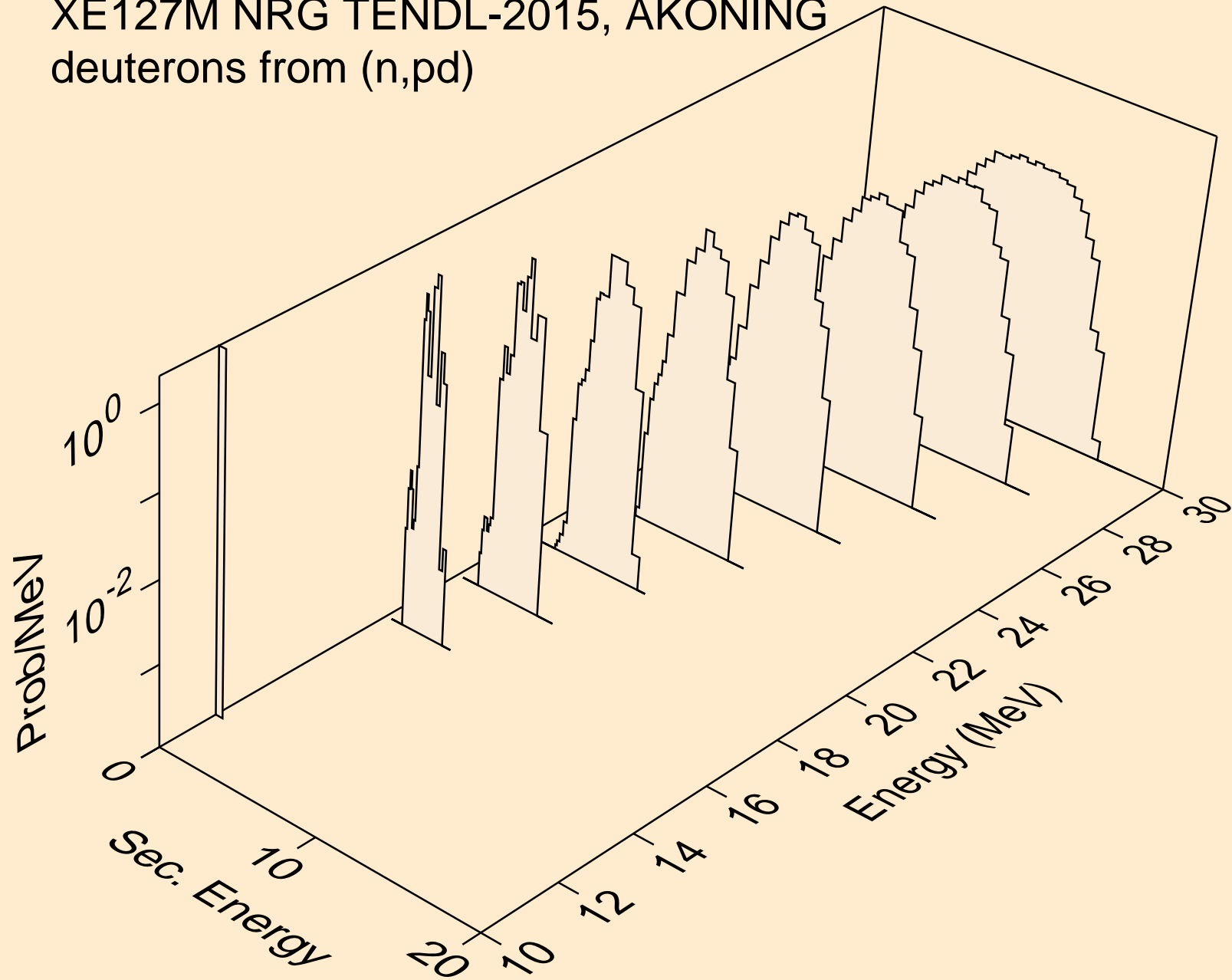
XE127M NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



XE127M NRG TENDL-2015, AKONING  
deuterons from (n,d)

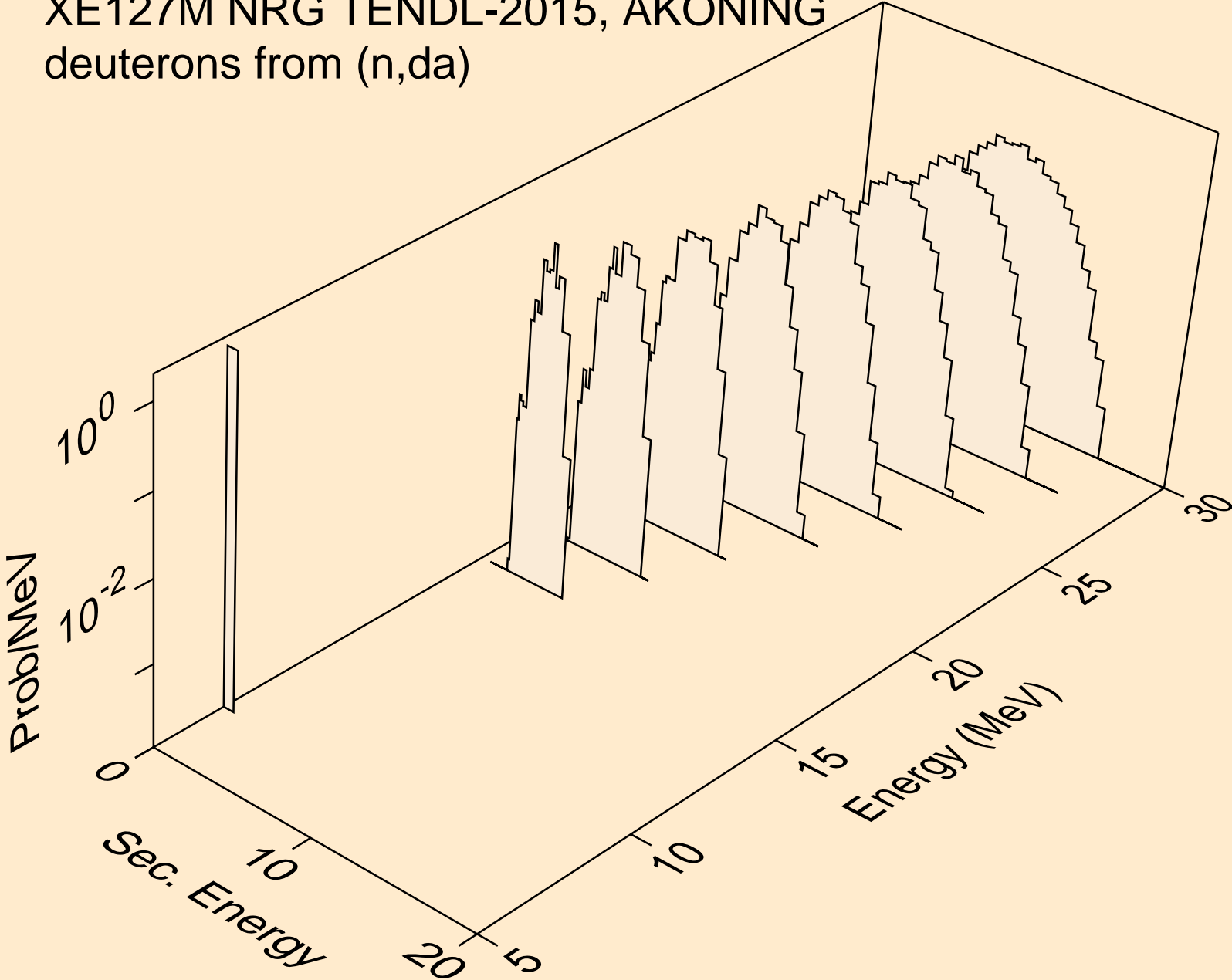


XE127M NRG TENDL-2015, AKONING  
deuterons from (n,pd)

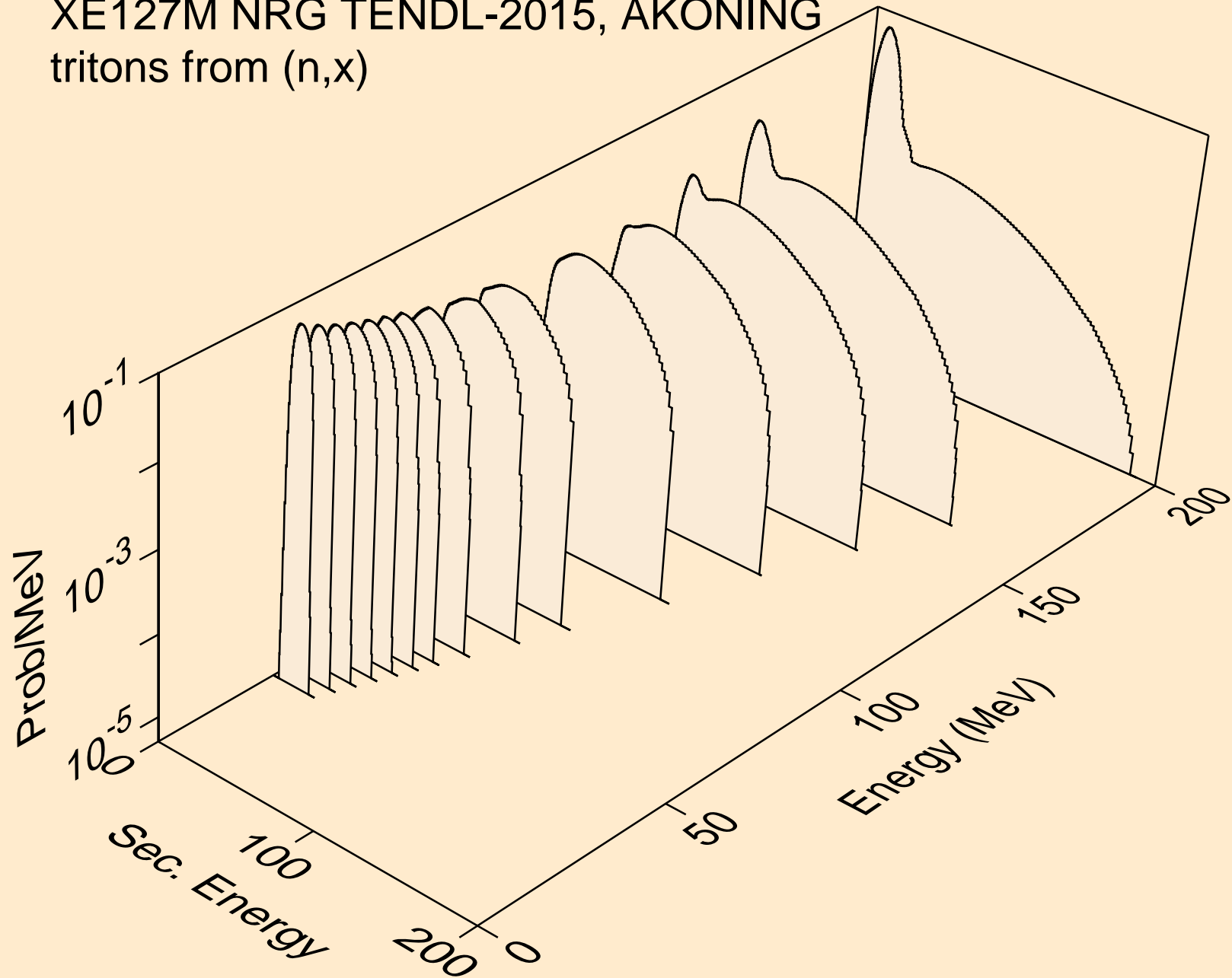




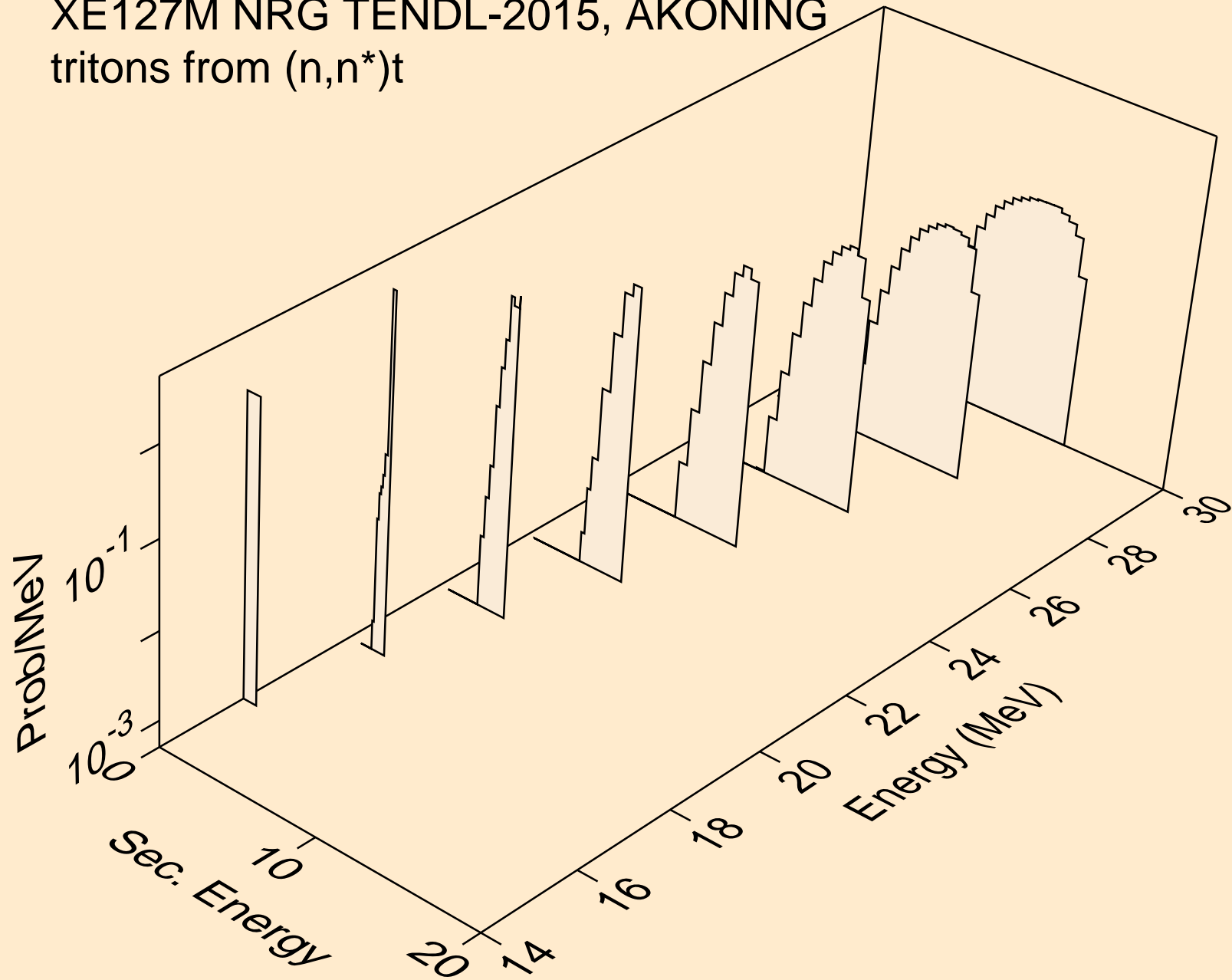
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deuterons from (n,da)



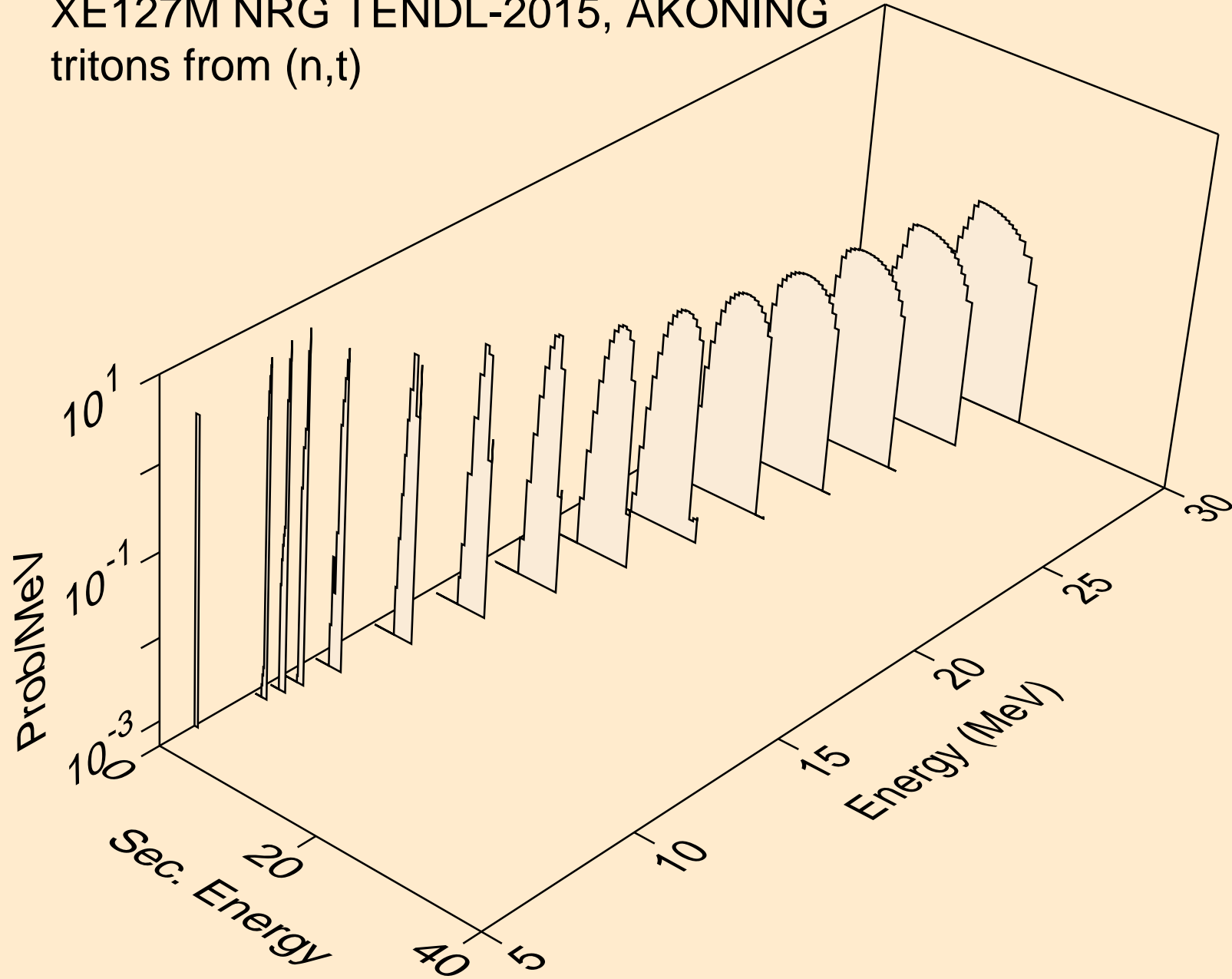
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tritons from (n,x)



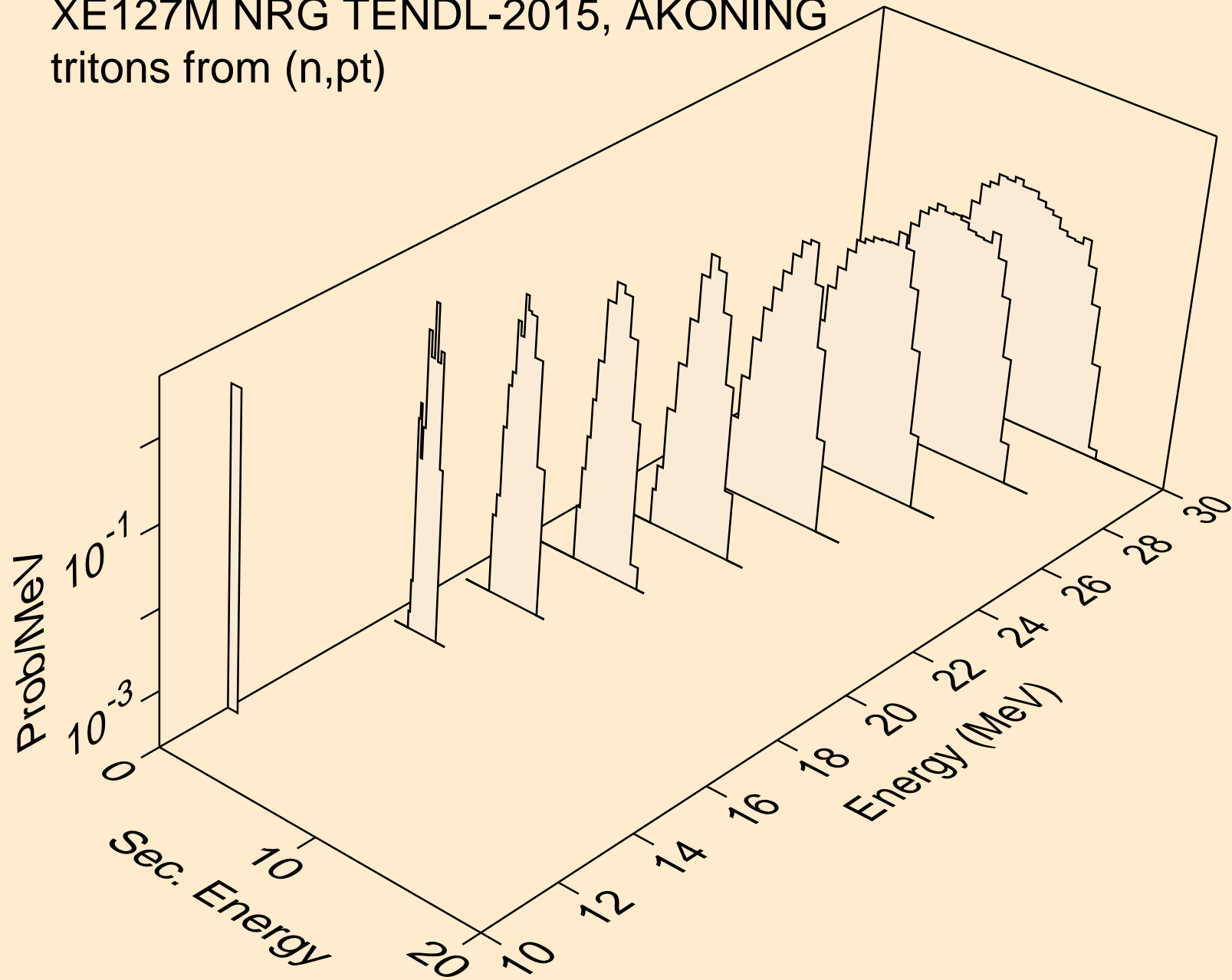
XE127M NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



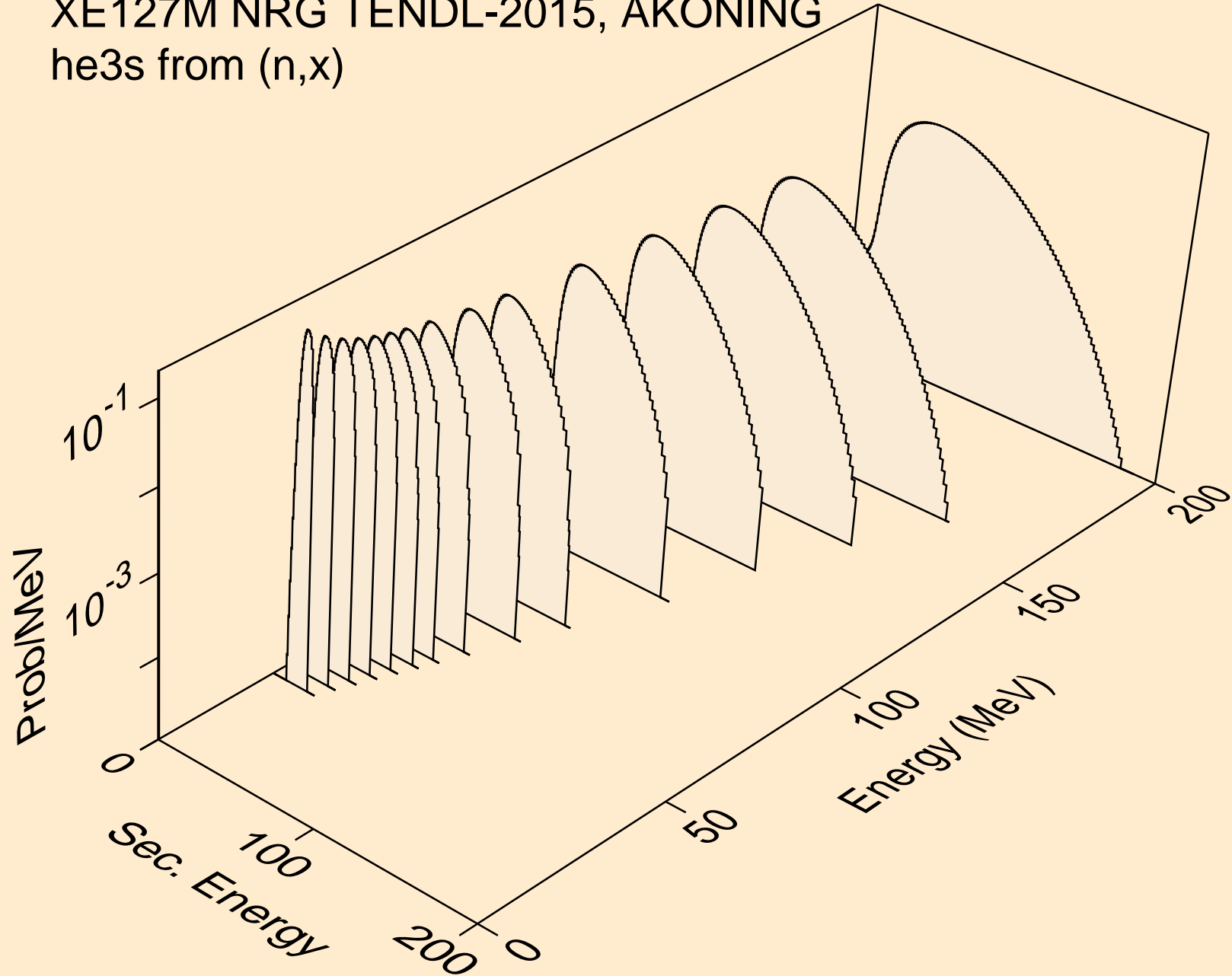
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tritons from (n,t)



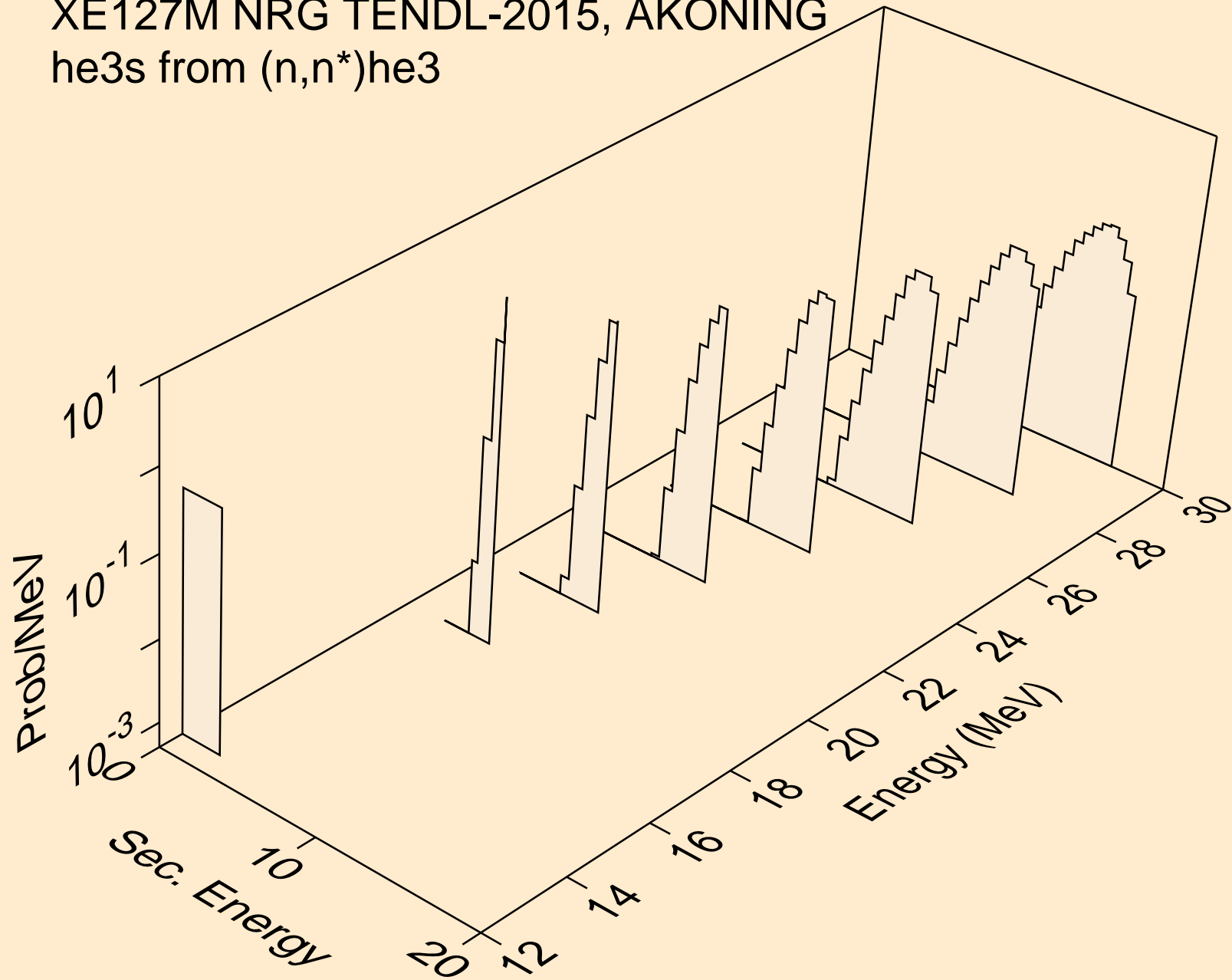
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tritons from (n,pt)



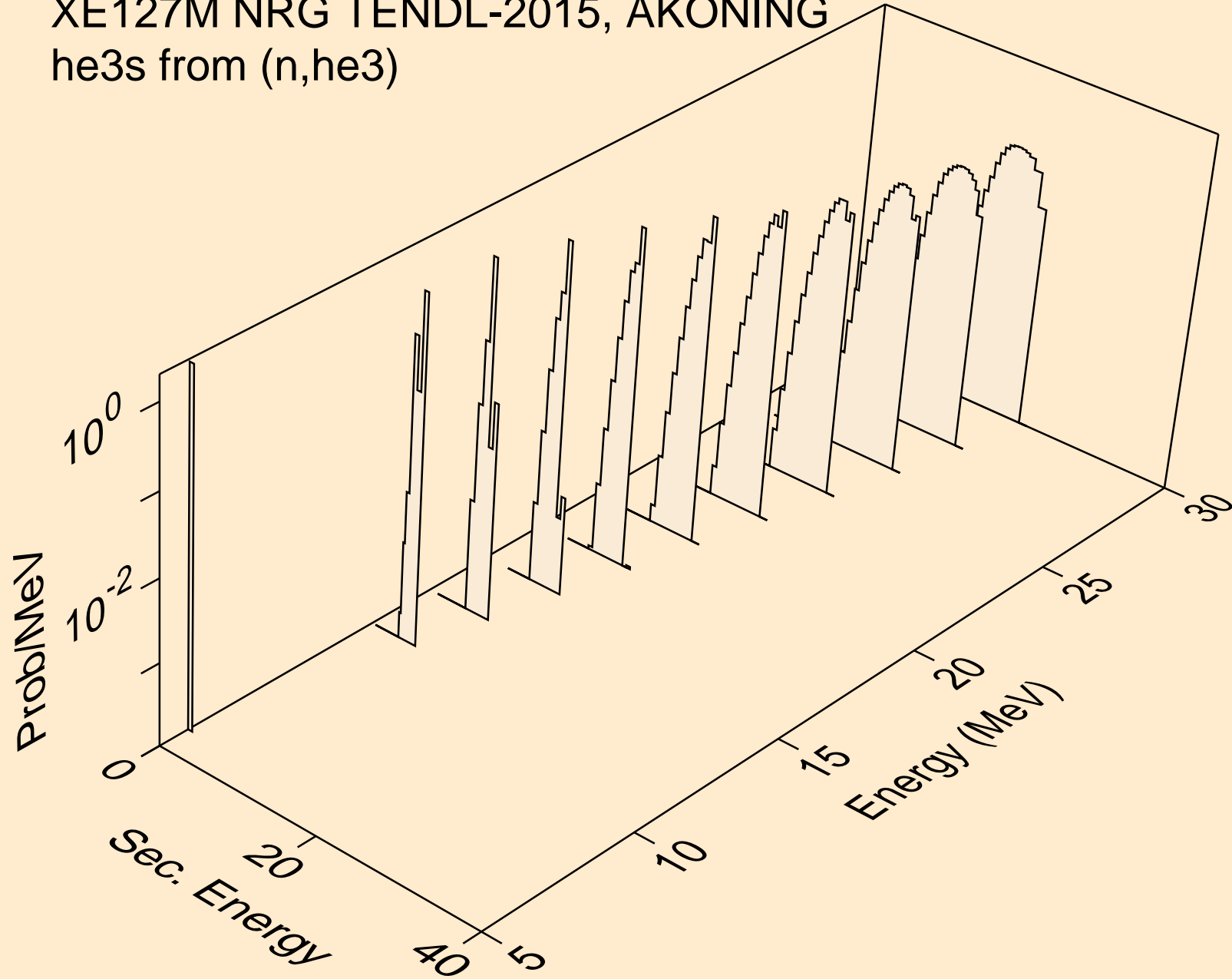
XE127M NRG TENDL-2015, AKONING  
he3s from (n,x)



XE127M NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

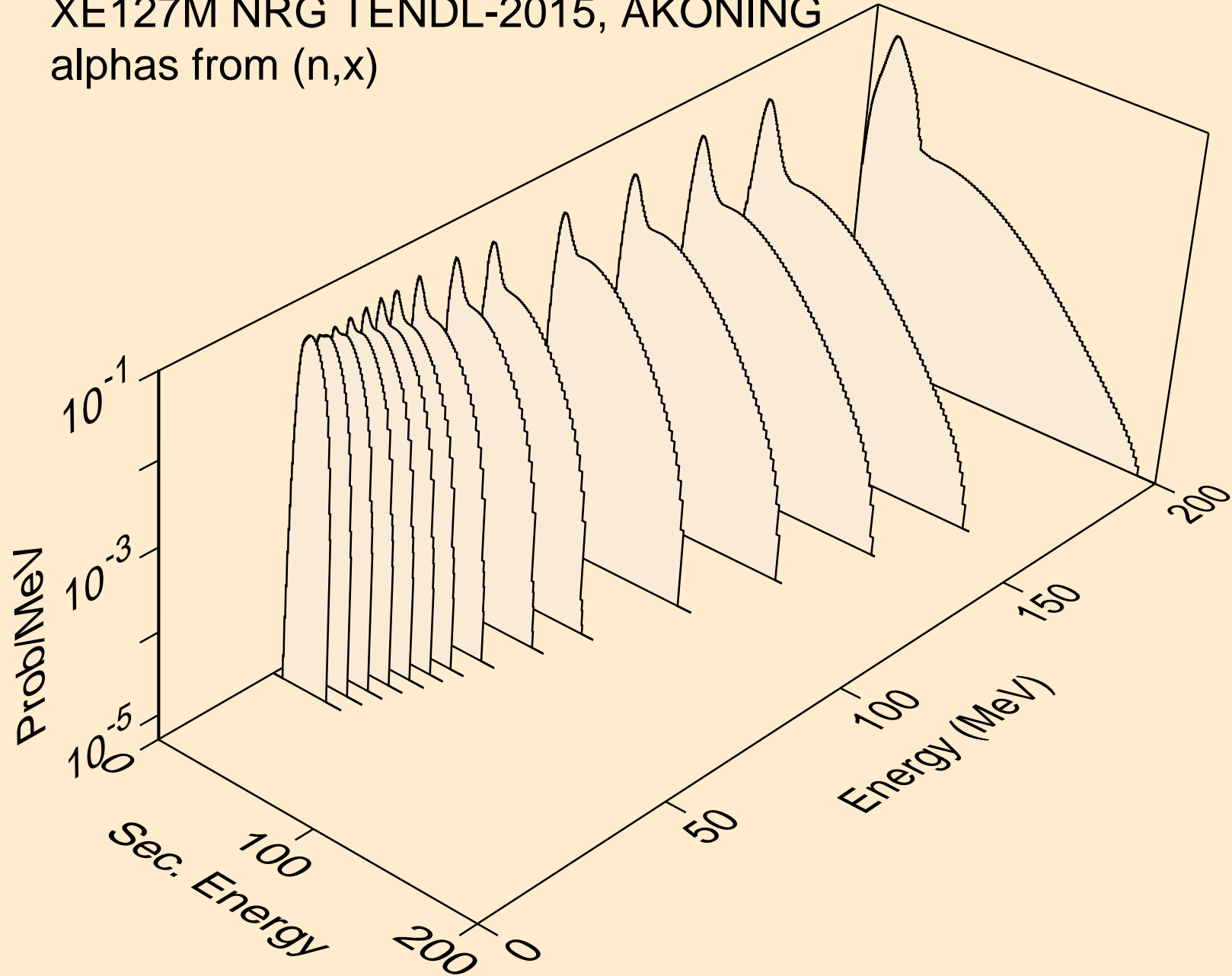


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he3s from (n,he3)

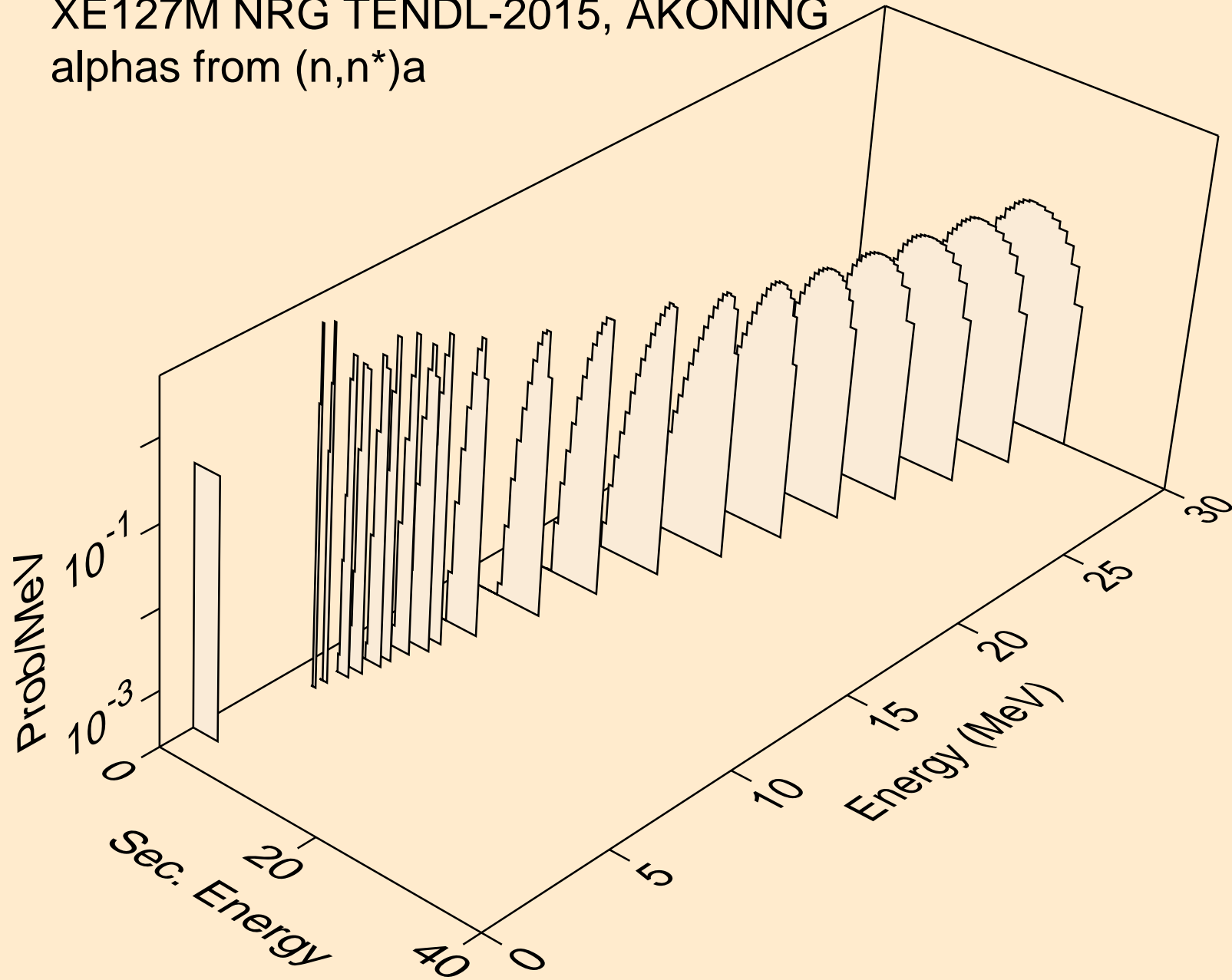




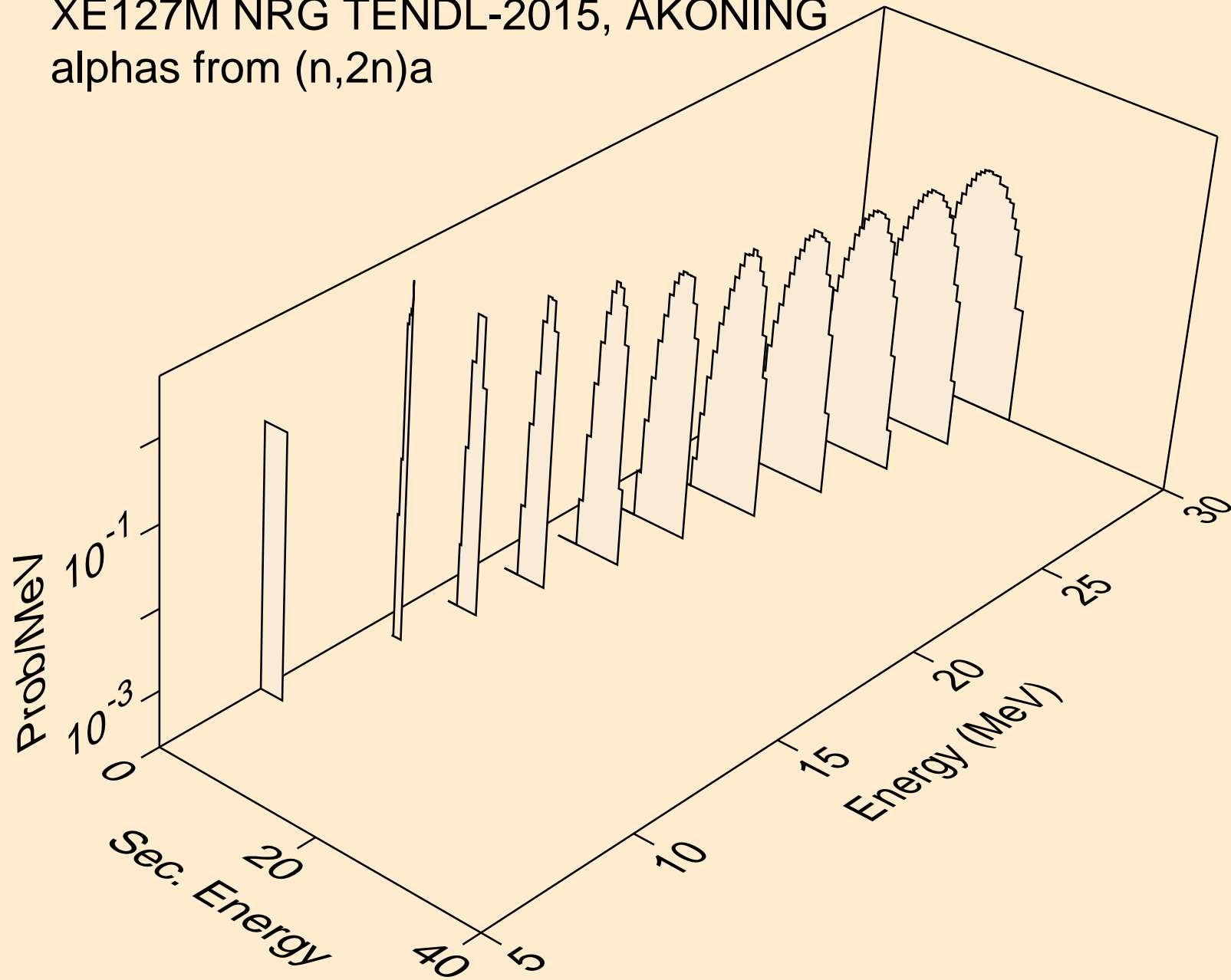
XE127M NRG TENDL-2015, AKONING  
alphas from (n,x)



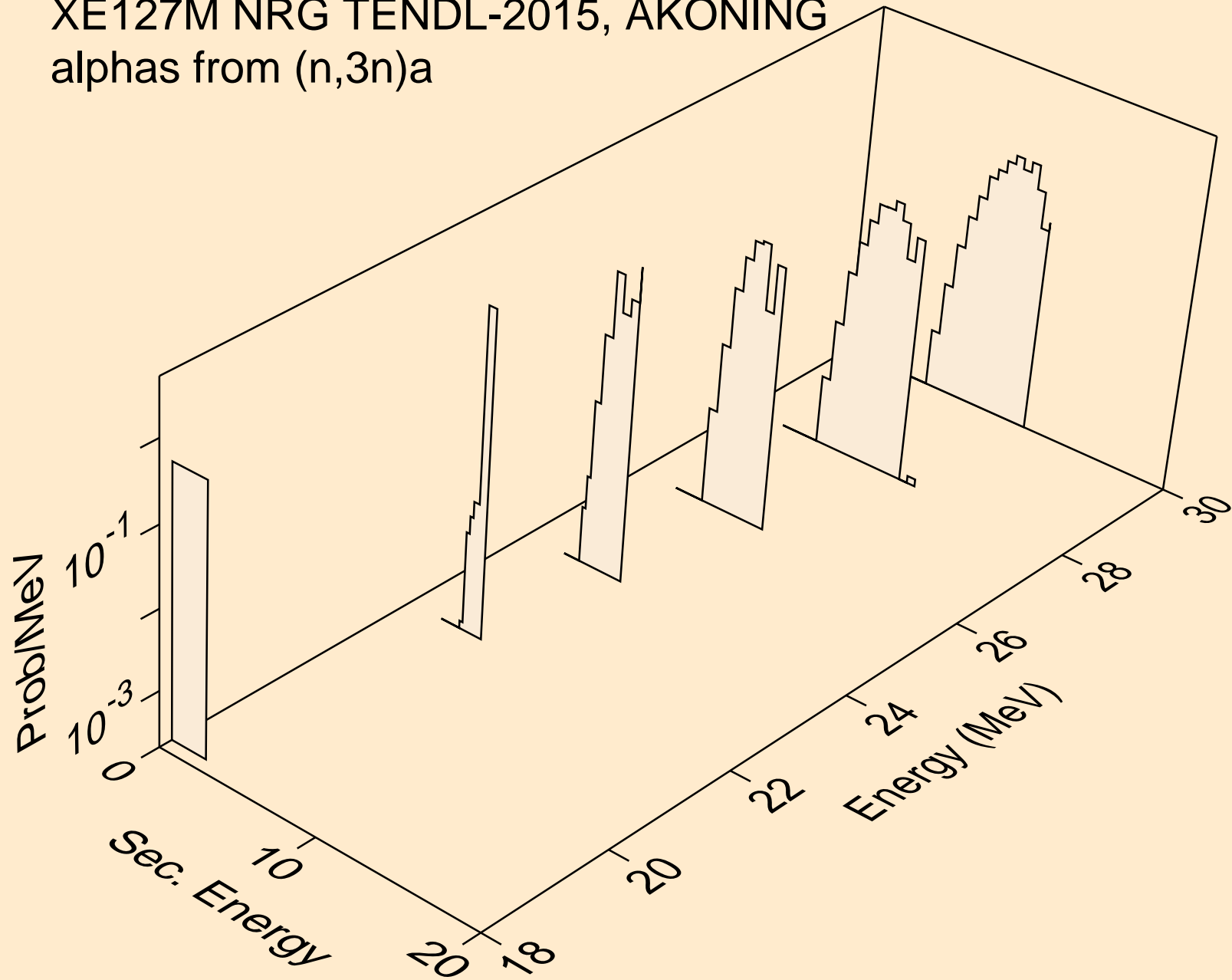
XE127M NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



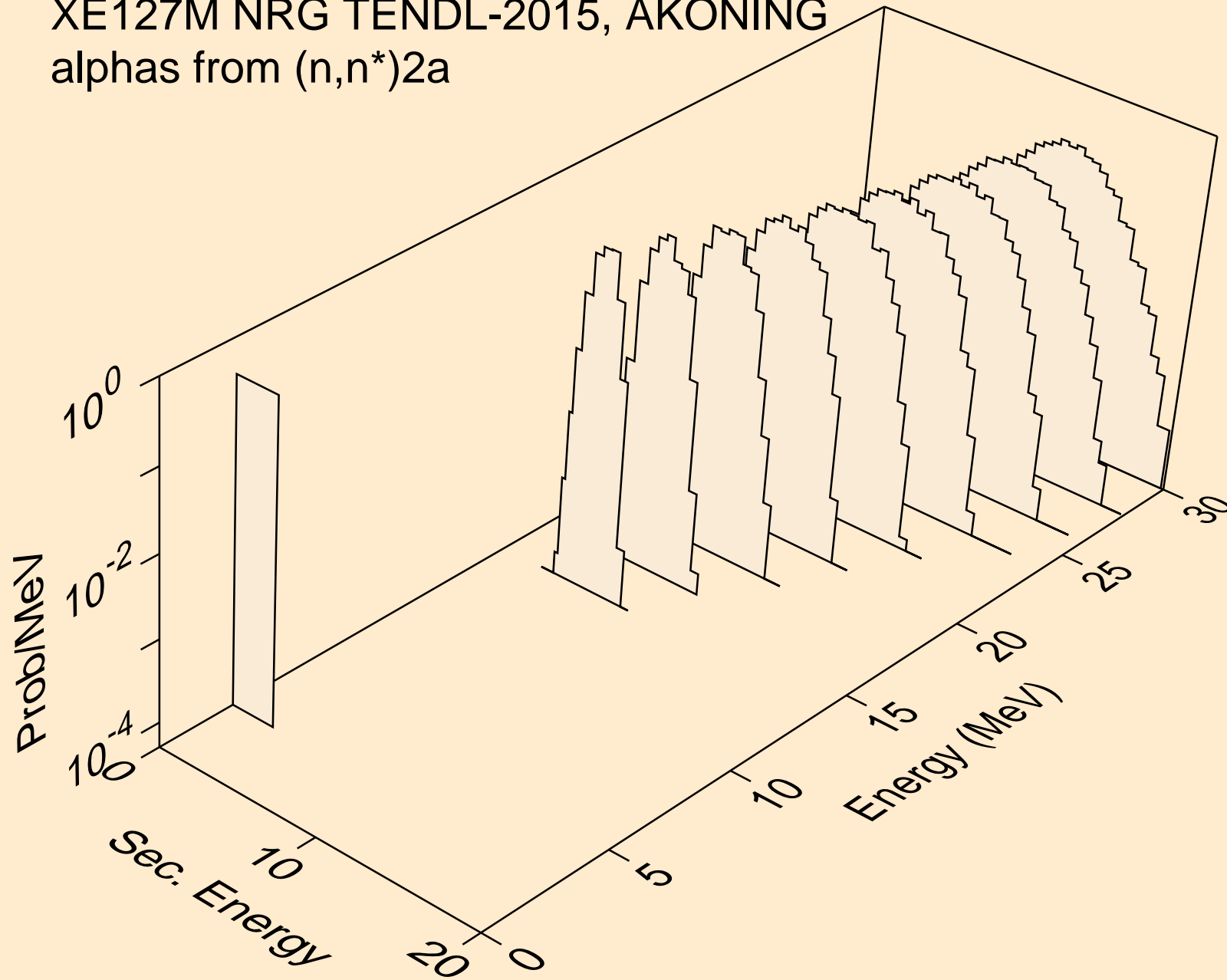
XE127M NRG TENDL-2015, AKONING  
alphas from (n,2n)a



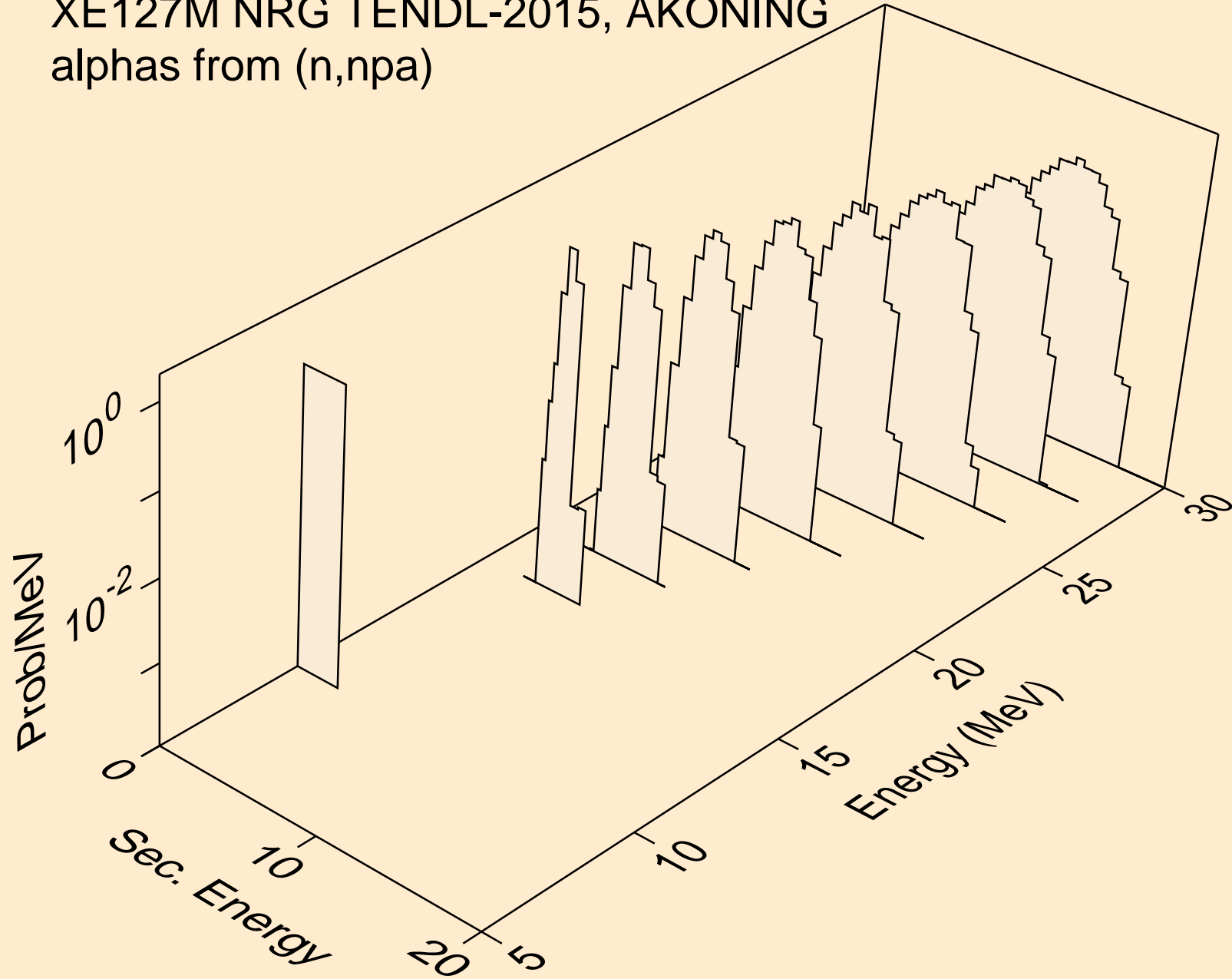
XE127M NRG TENDL-2015, AKONING  
alphas from (n,3n)a



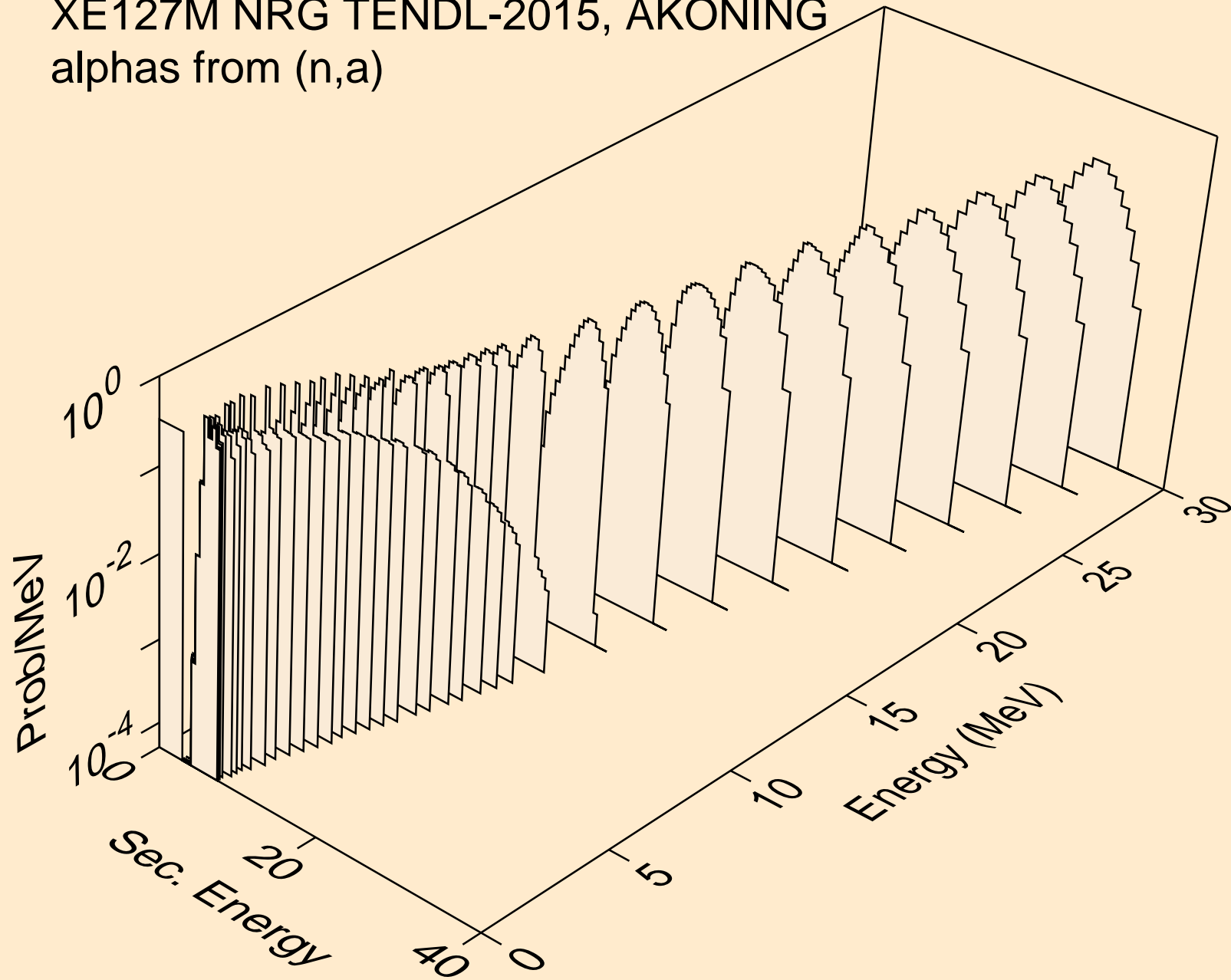
XE127M NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



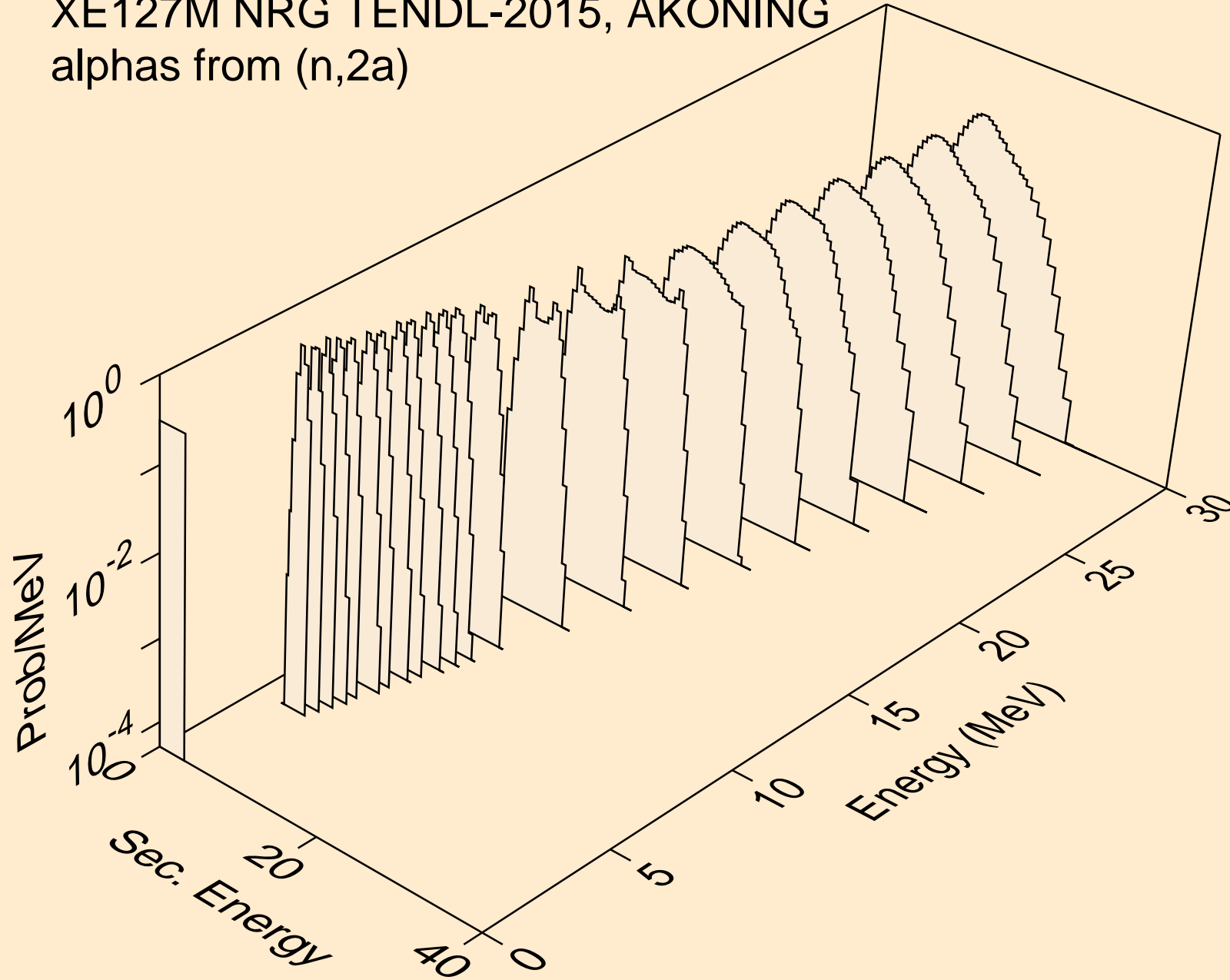
XE127M NRG TENDL-2015, AKONING  
alphas from (n,npa)



XE127M NRG TENDL-2015, AKONING  
alphas from (n,a)

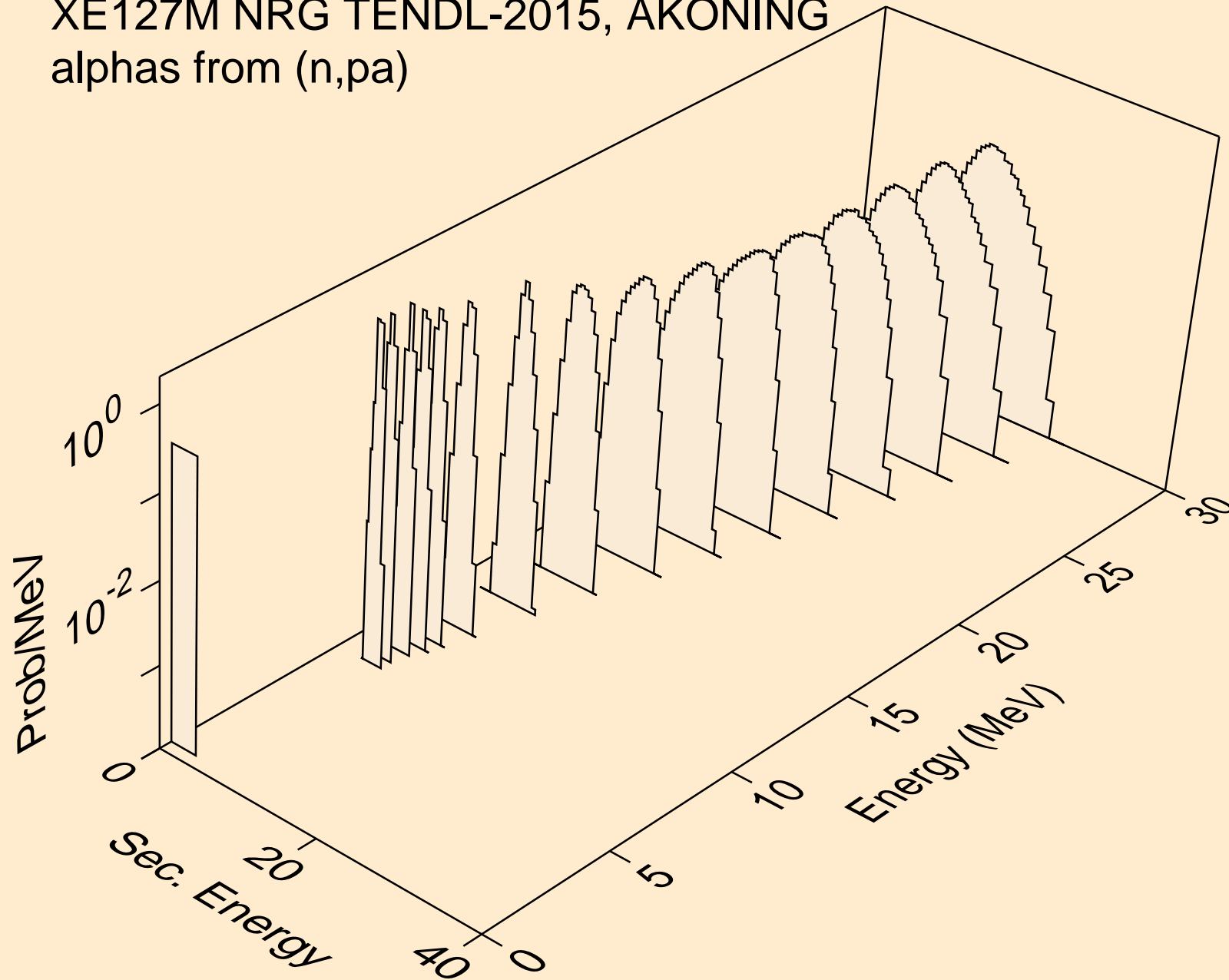


XE127M NRG TENDL-2015, AKONING  
alphas from (n,2a)





XE127M NRG TENDL-2015, AKONING  
alphas from (n,pa)



XE127M NRG TENDL-2015, AKONING  
alphas from (n,da)

