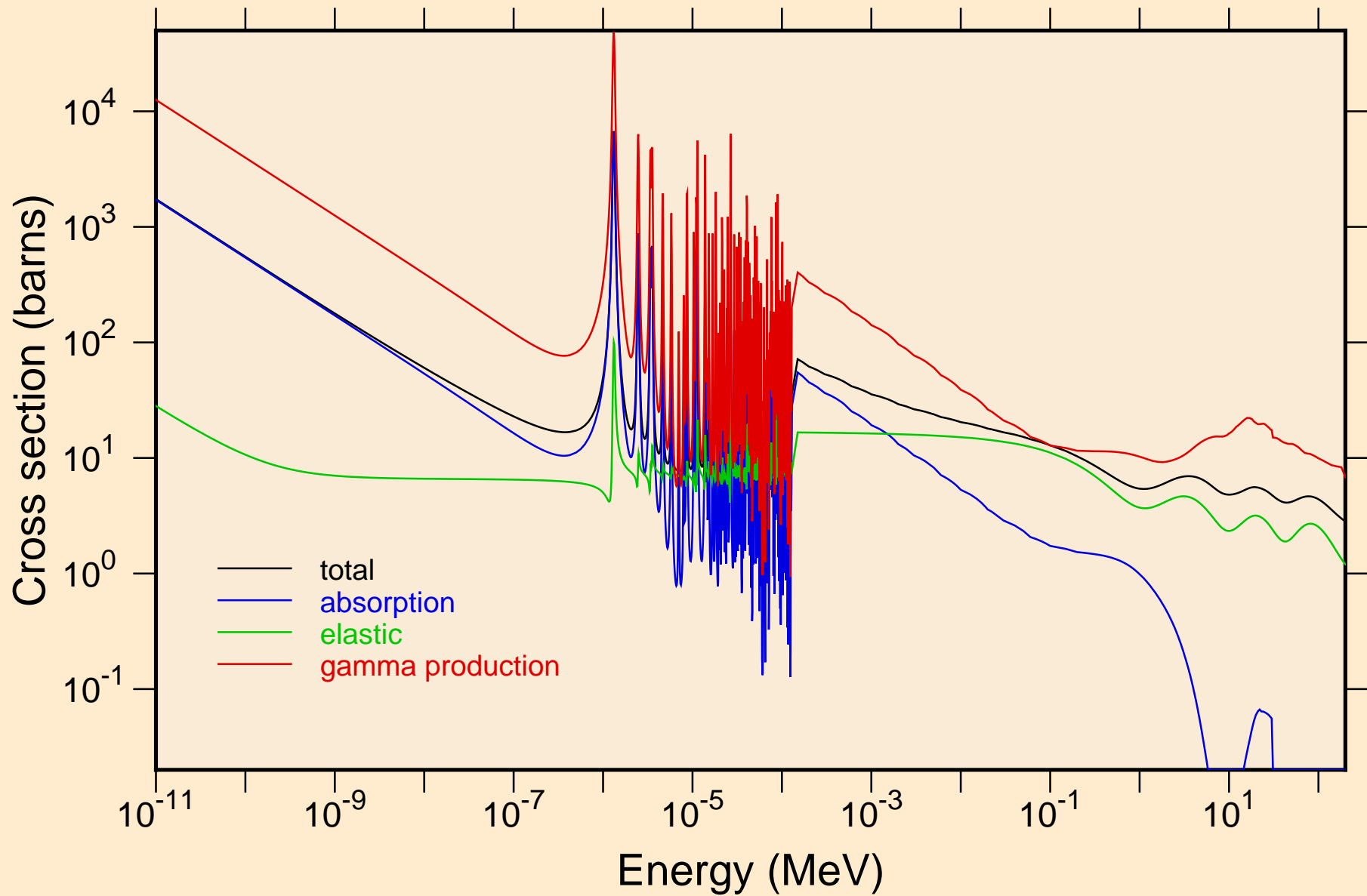
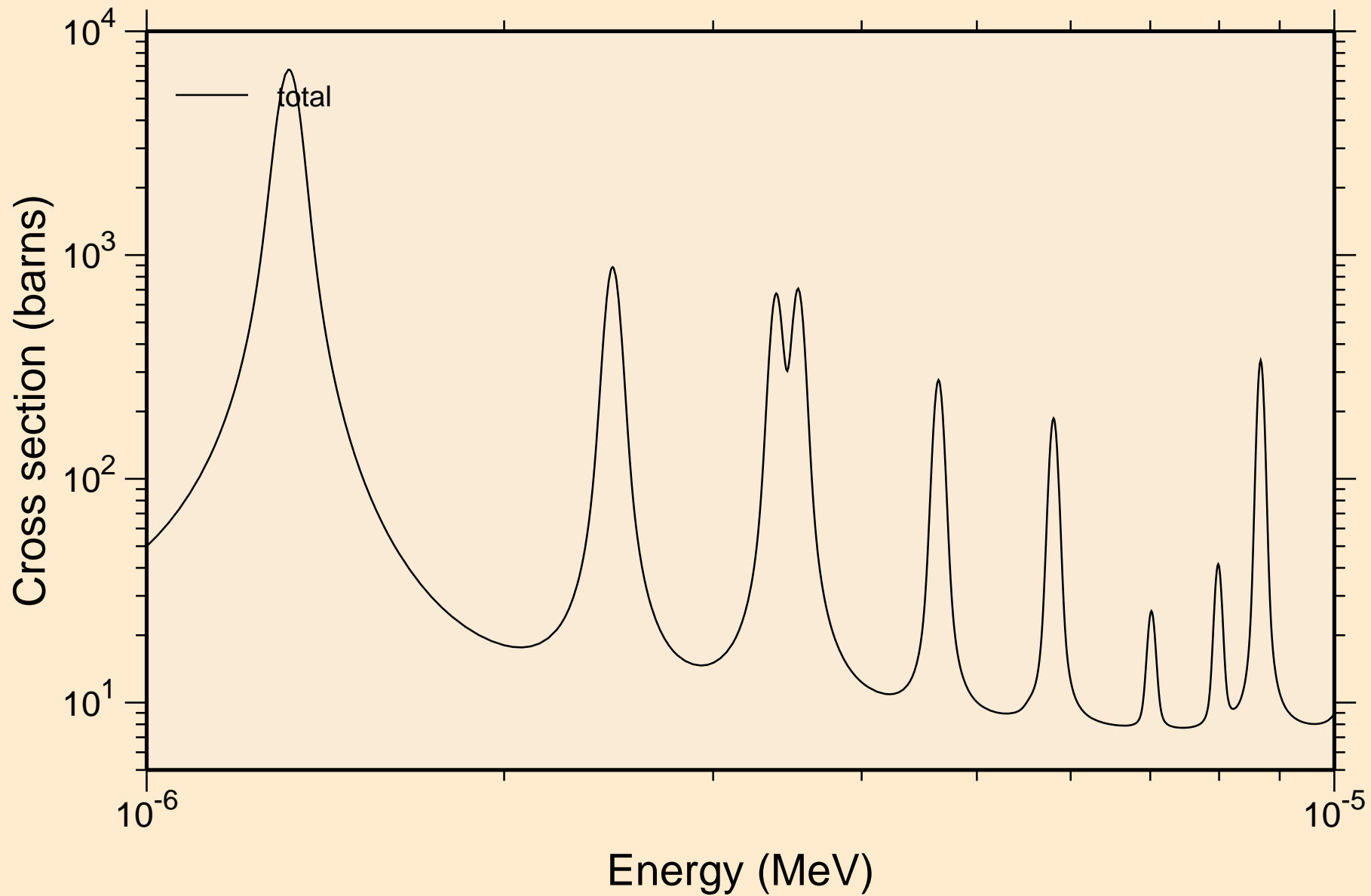


# IR190N NRG TENDL-2015, AKONING

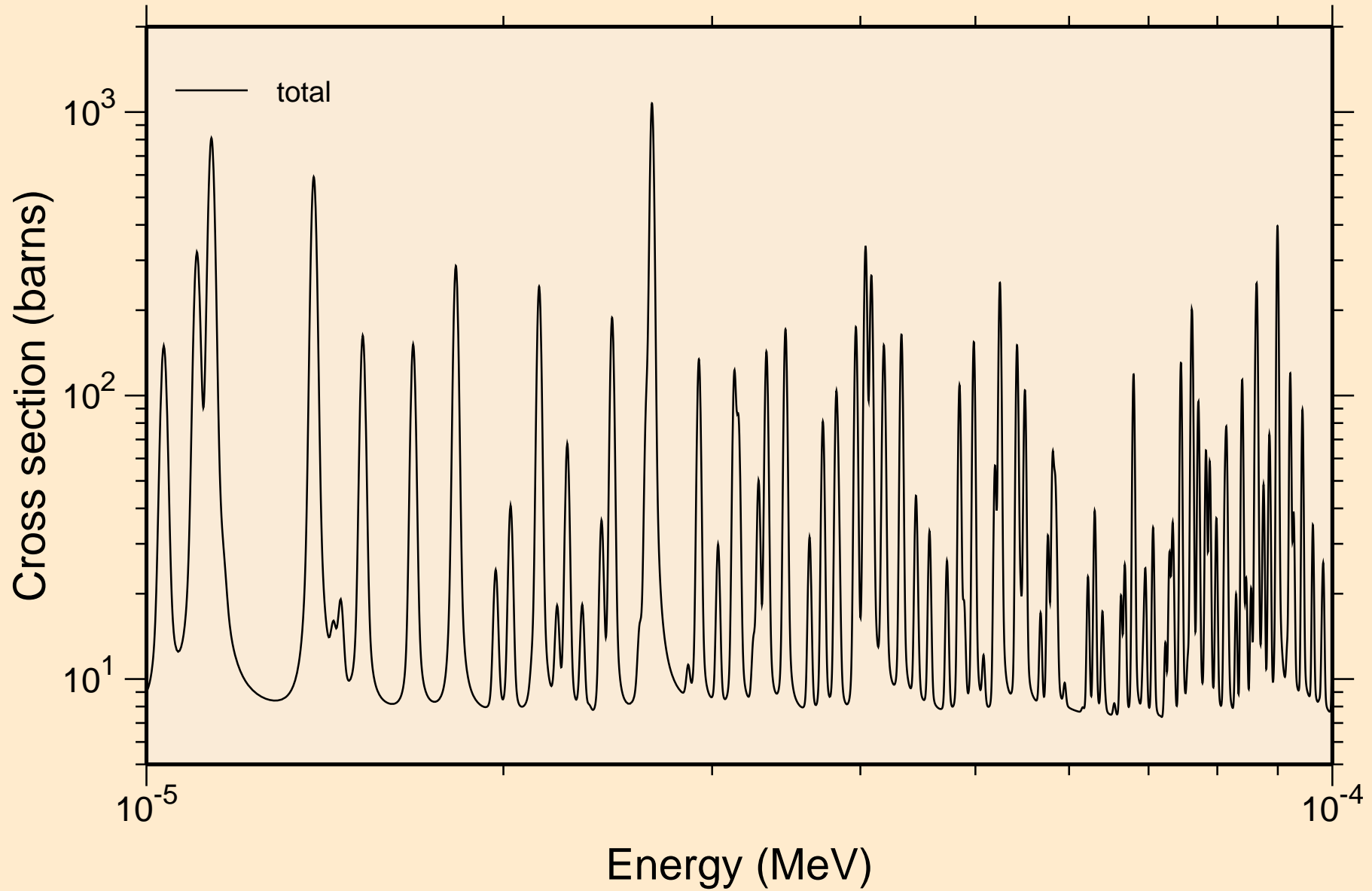
## Principal cross sections



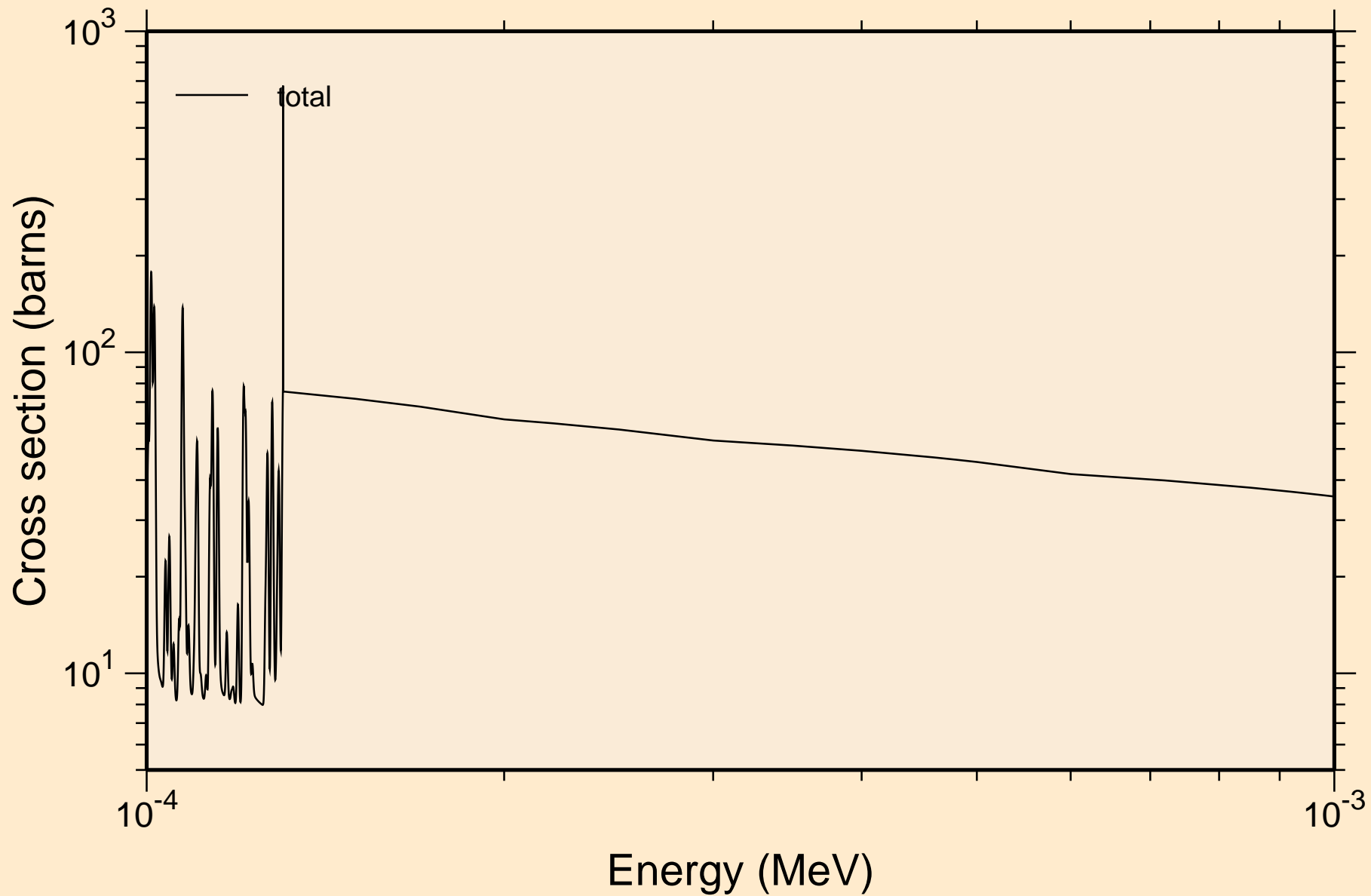
IR190N NRG TENDL-2015, AKONING  
resonance total cross section



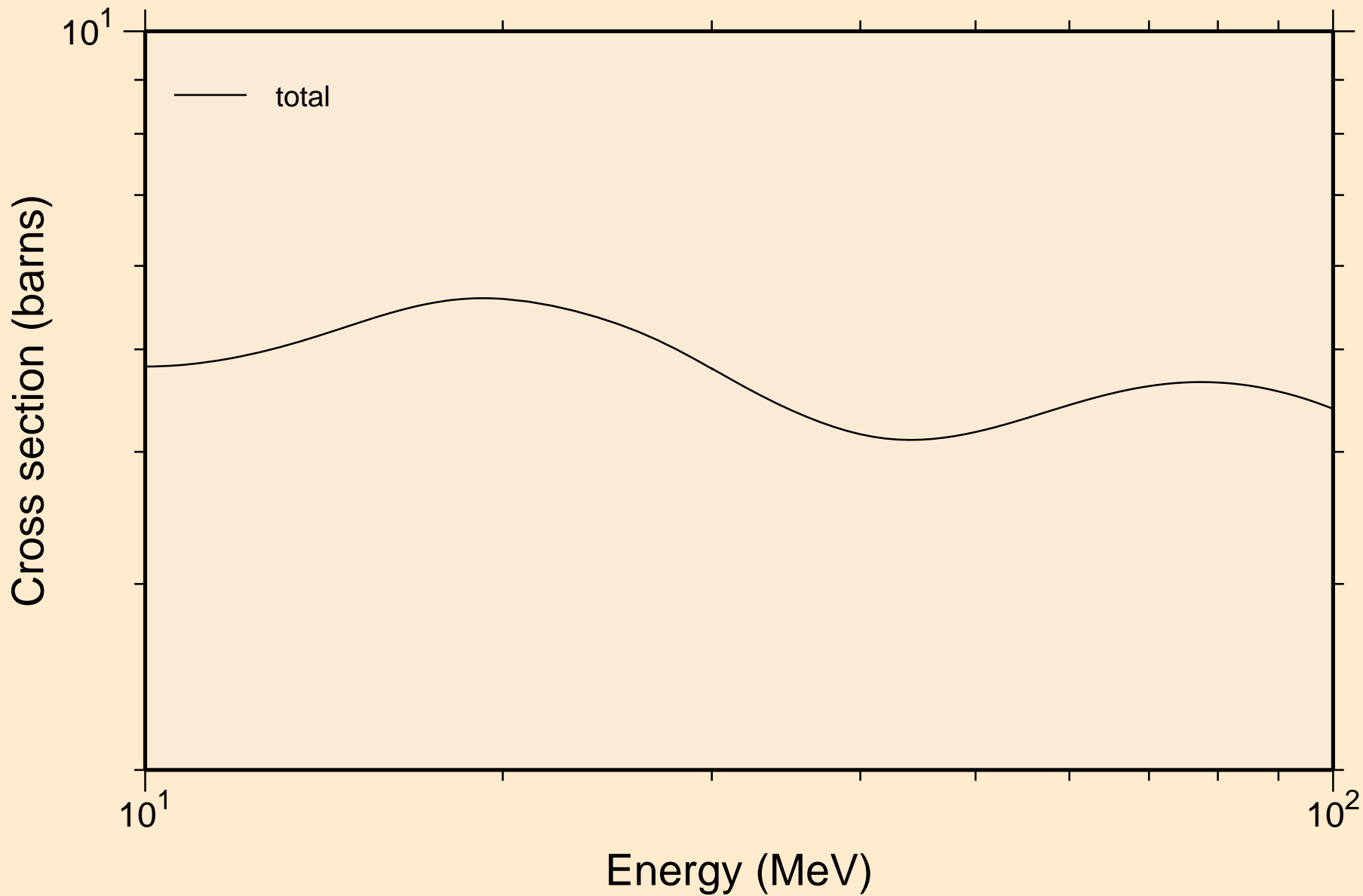
IR190N NRG TENDL-2015, AKONING  
resonance total cross section



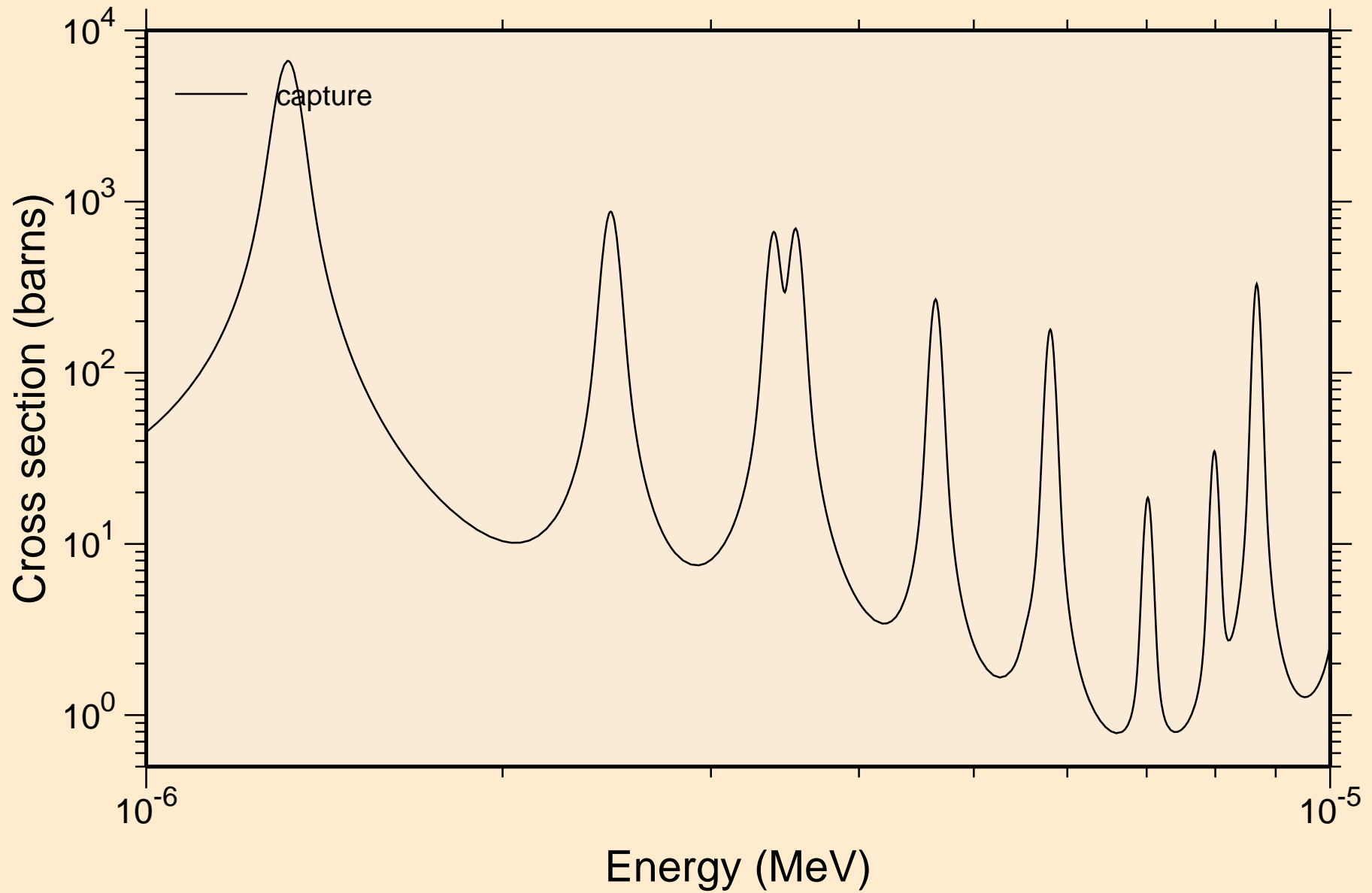
IR190N NRG TENDL-2015, AKONING  
resonance total cross section



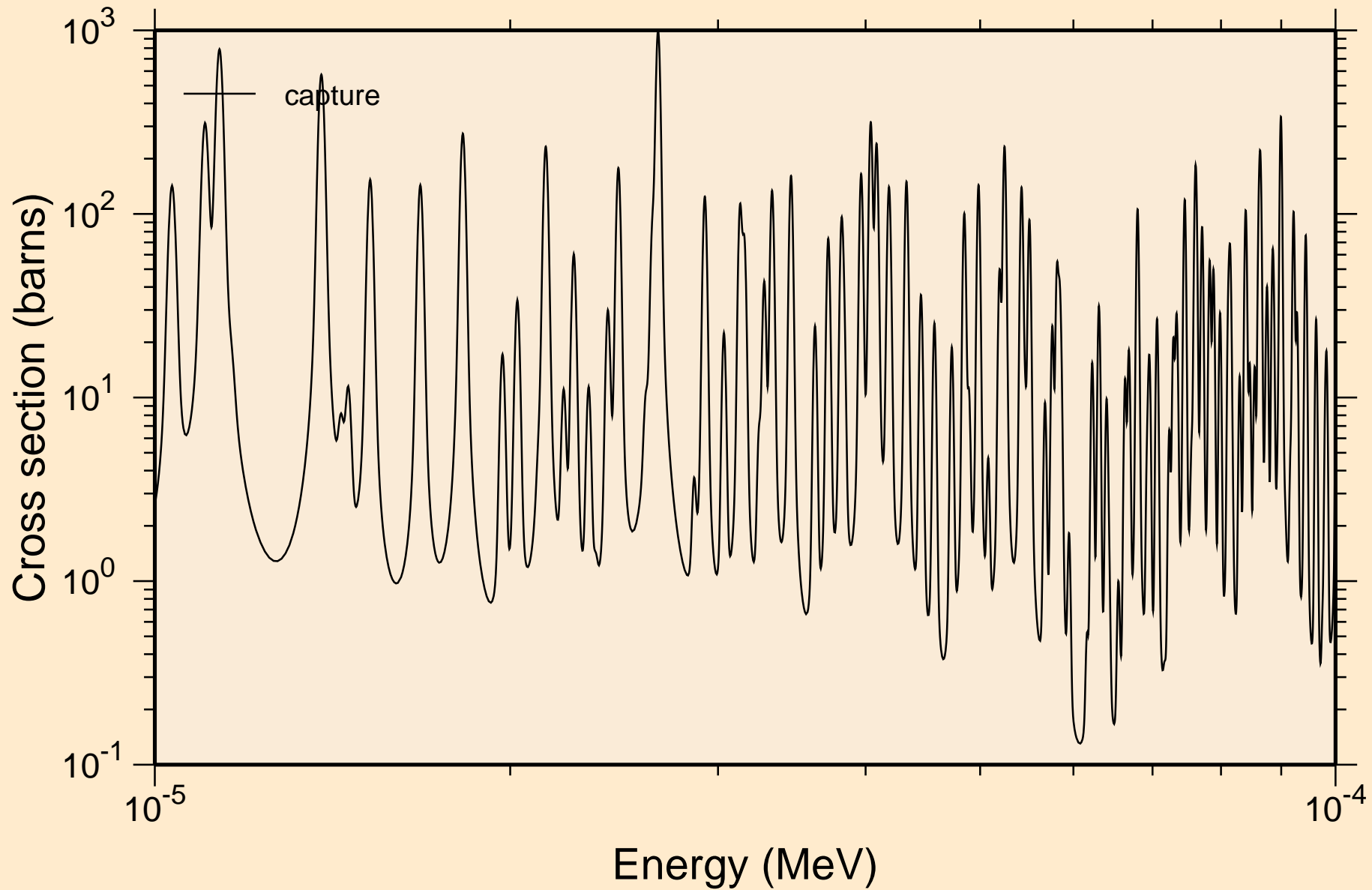
IR190N NRG TENDL-2015, AKONING  
resonance total cross section



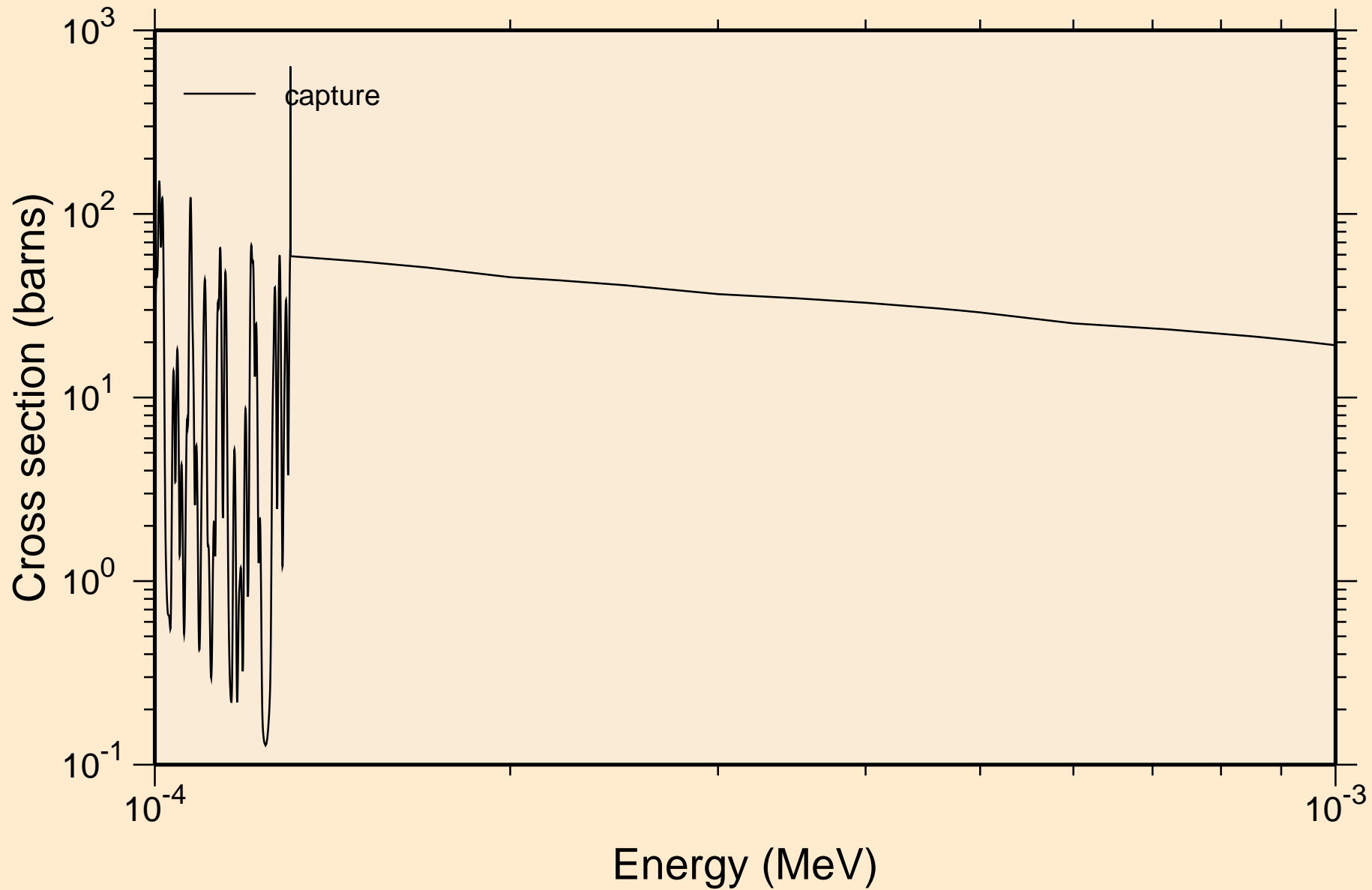
IR190N NRG TENDL-2015, AKONING  
resonance absorption cross sections



IR190N NRG TENDL-2015, AKONING  
resonance absorption cross sections

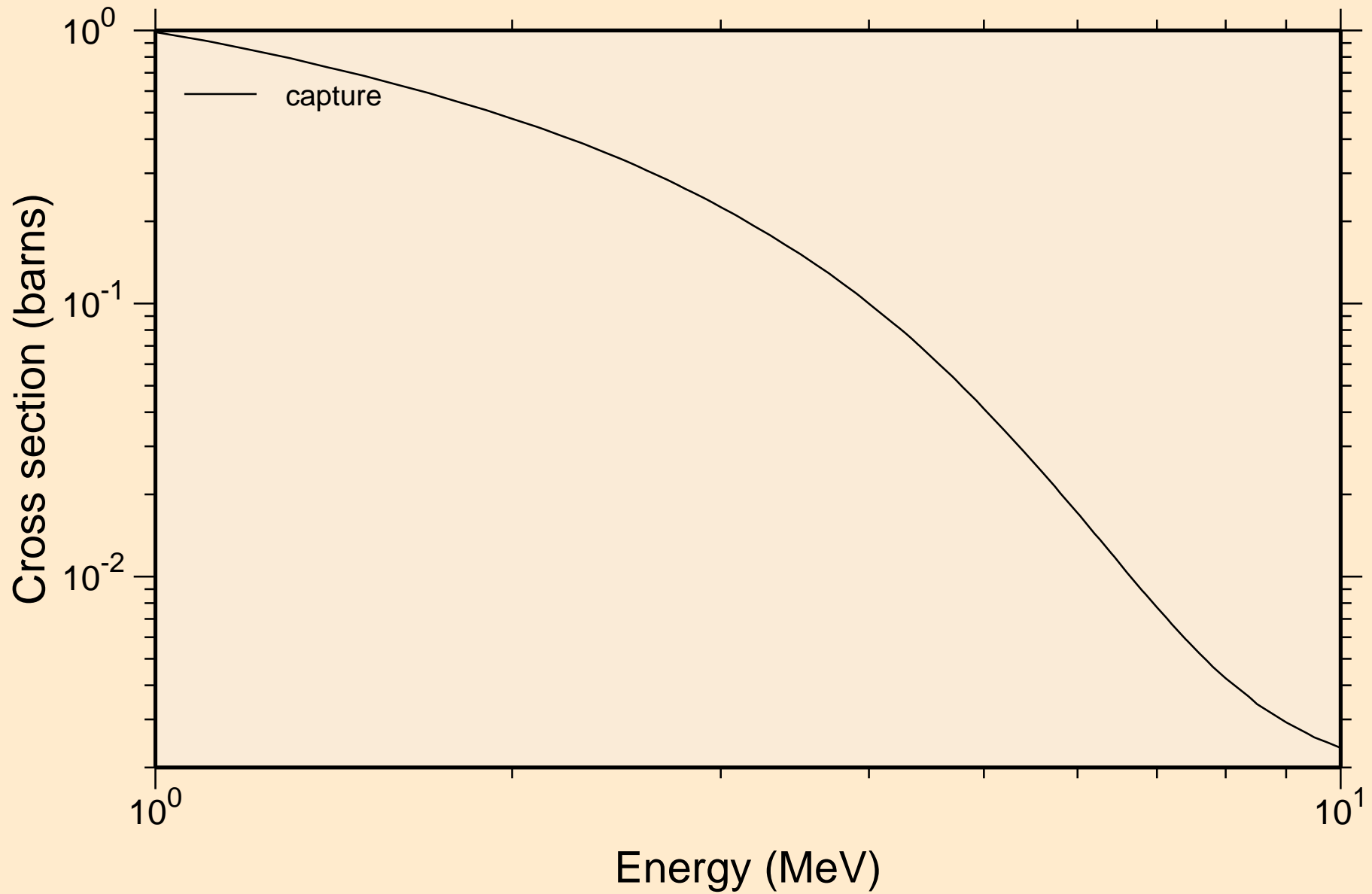


IR190N NRG TENDL-2015, AKONING  
resonance absorption cross sections

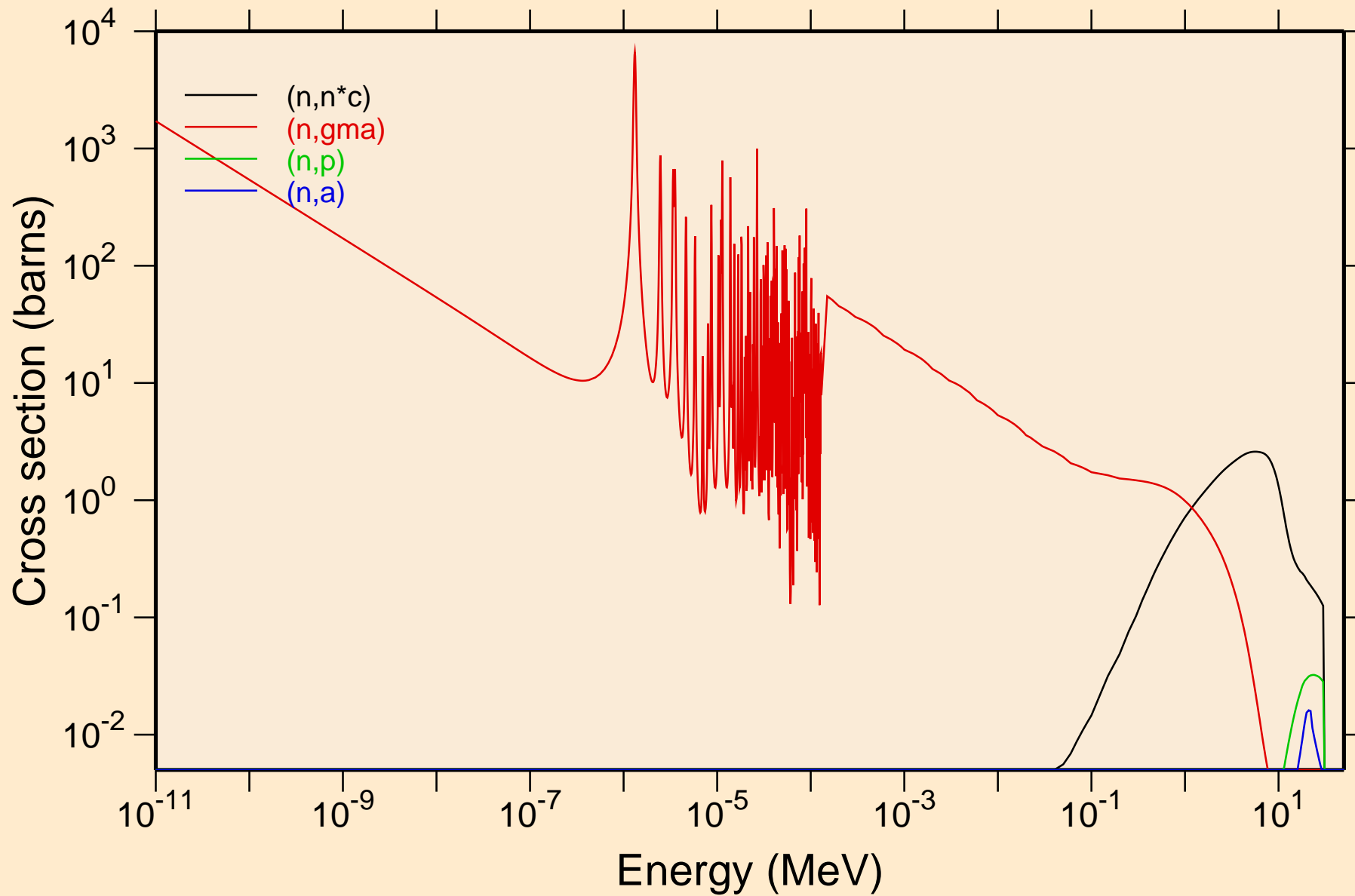




IR190N NRG TENDL-2015, AKONING  
resonance absorption cross sections

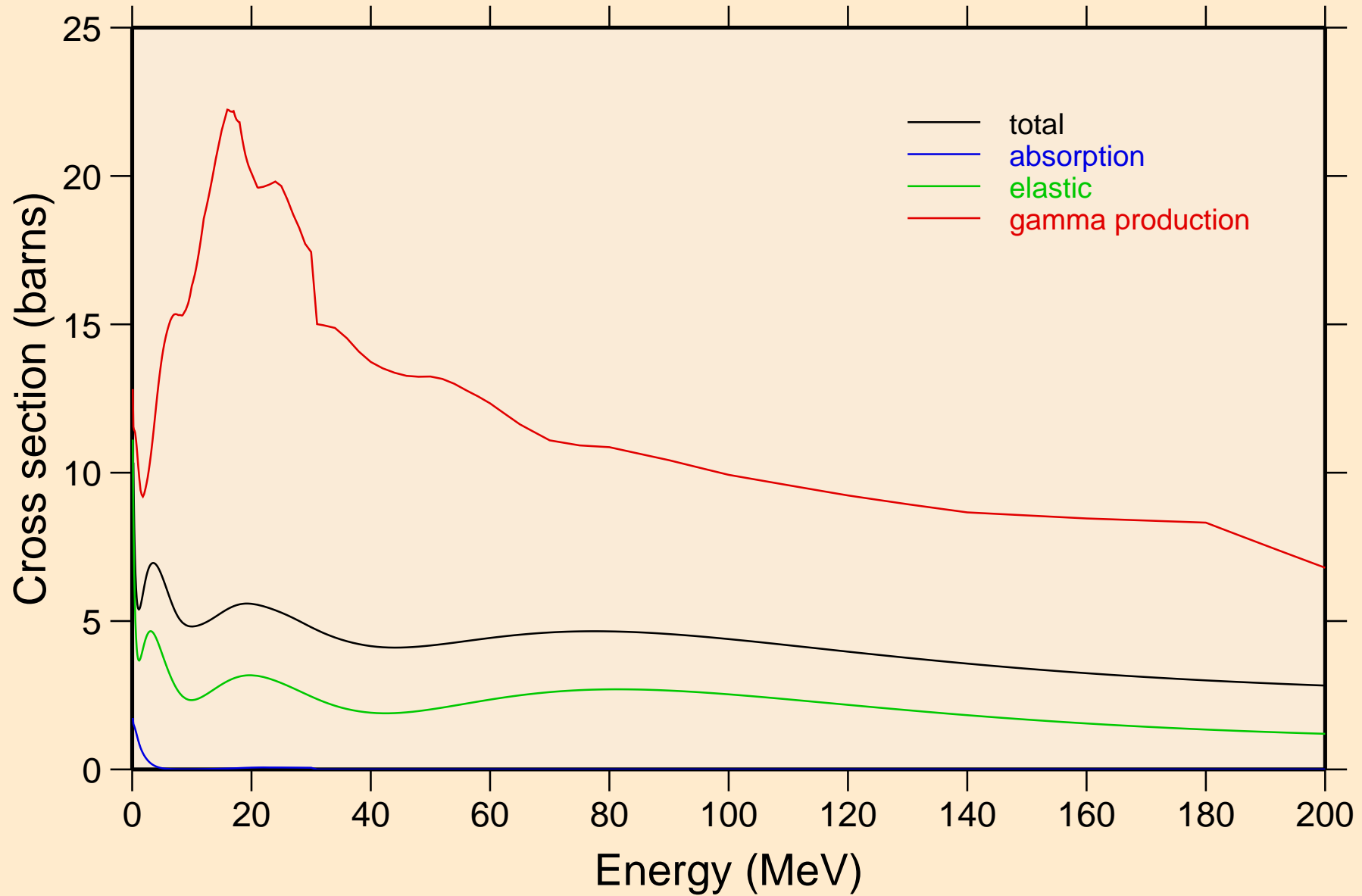


IR190N NRG TENDL-2015, AKONING  
Non-threshold reactions



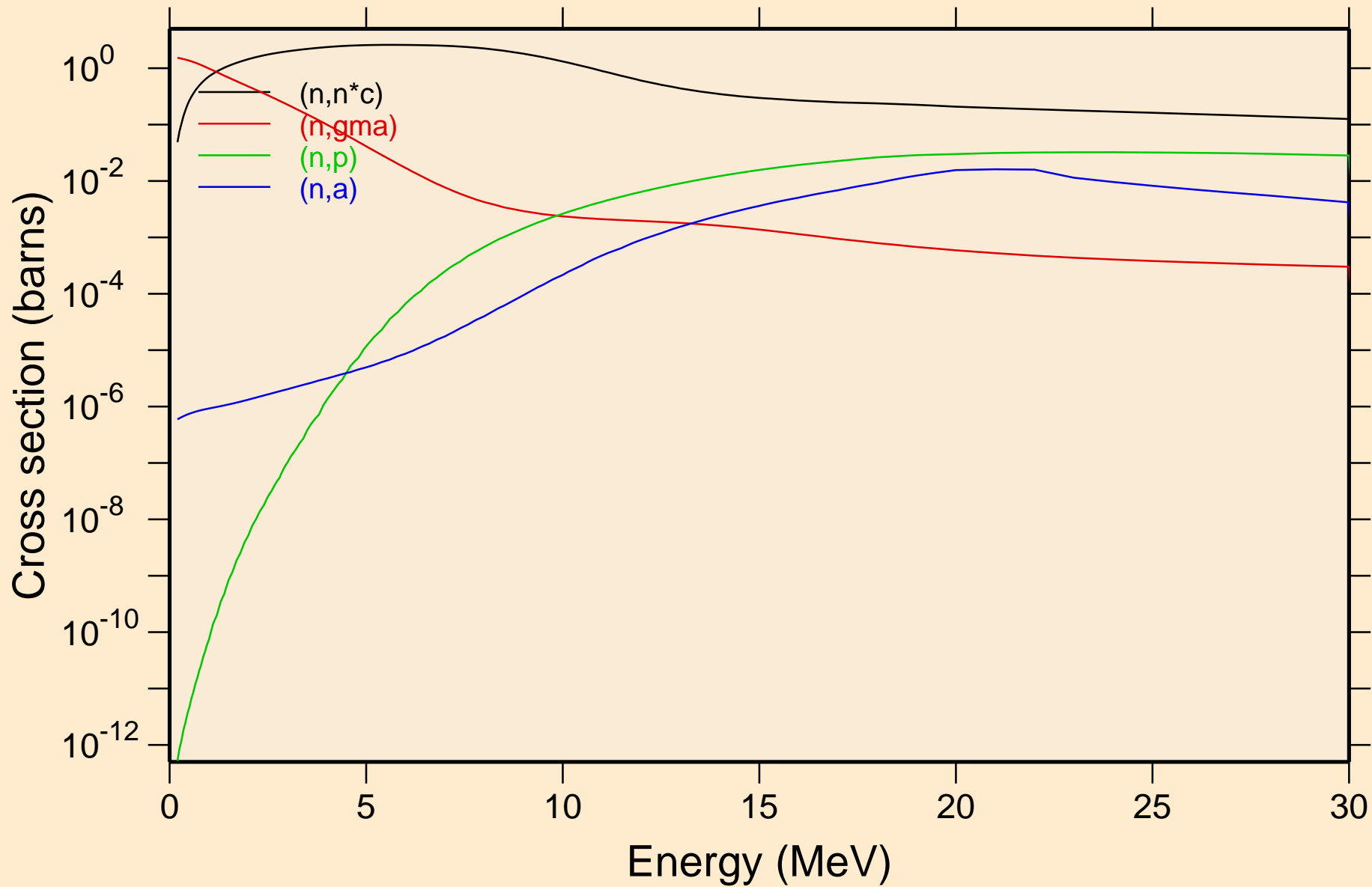
# IR190N NRG TENDL-2015, AKONING

## Principal cross sections



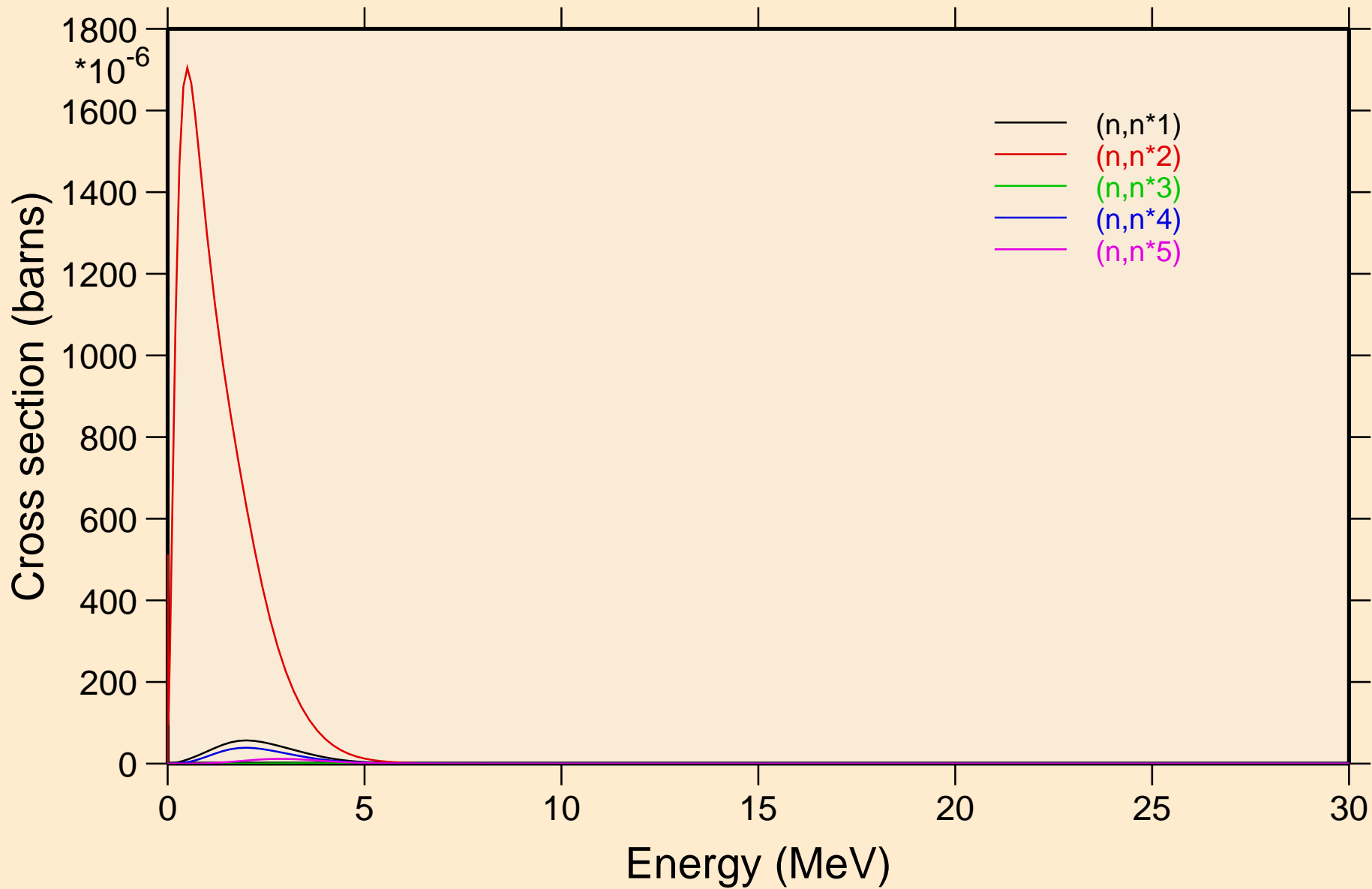
# IR190N NRG TENDL-2015, AKONING

## Non-threshold reactions



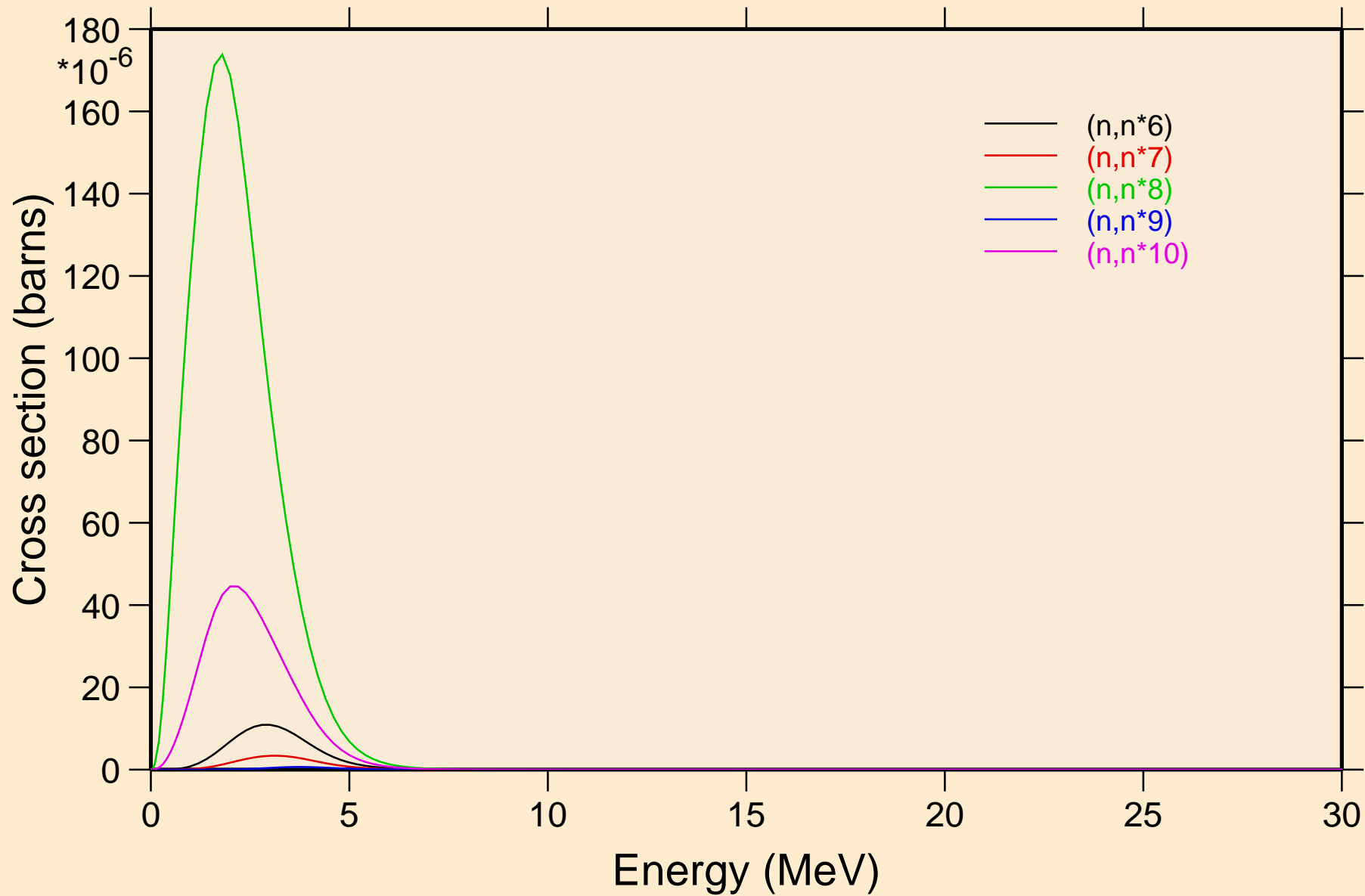
# IR190N NRG TENDL-2015, AKONING

## Inelastic levels

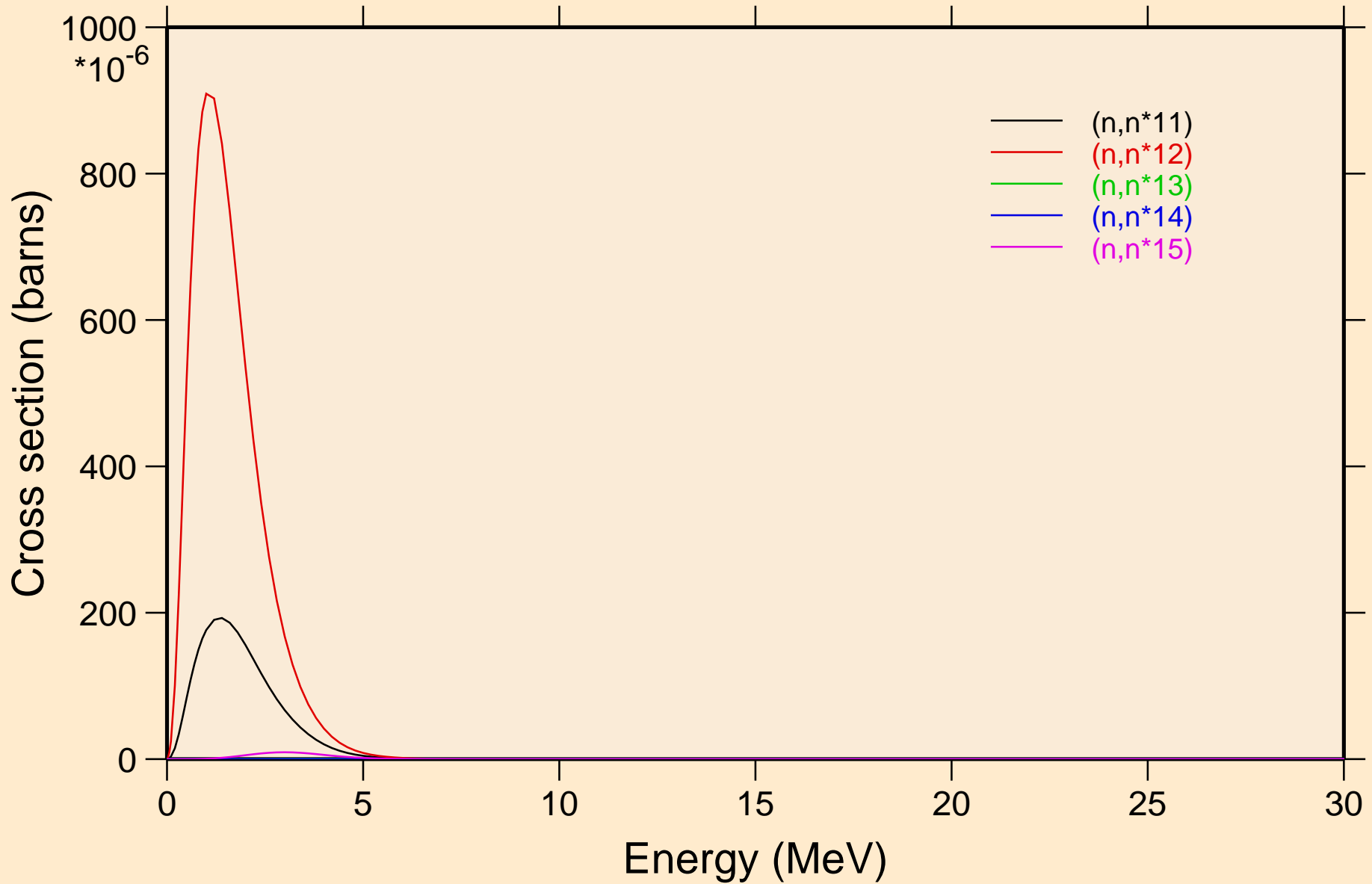


# IR190N NRG TENDL-2015, AKONING

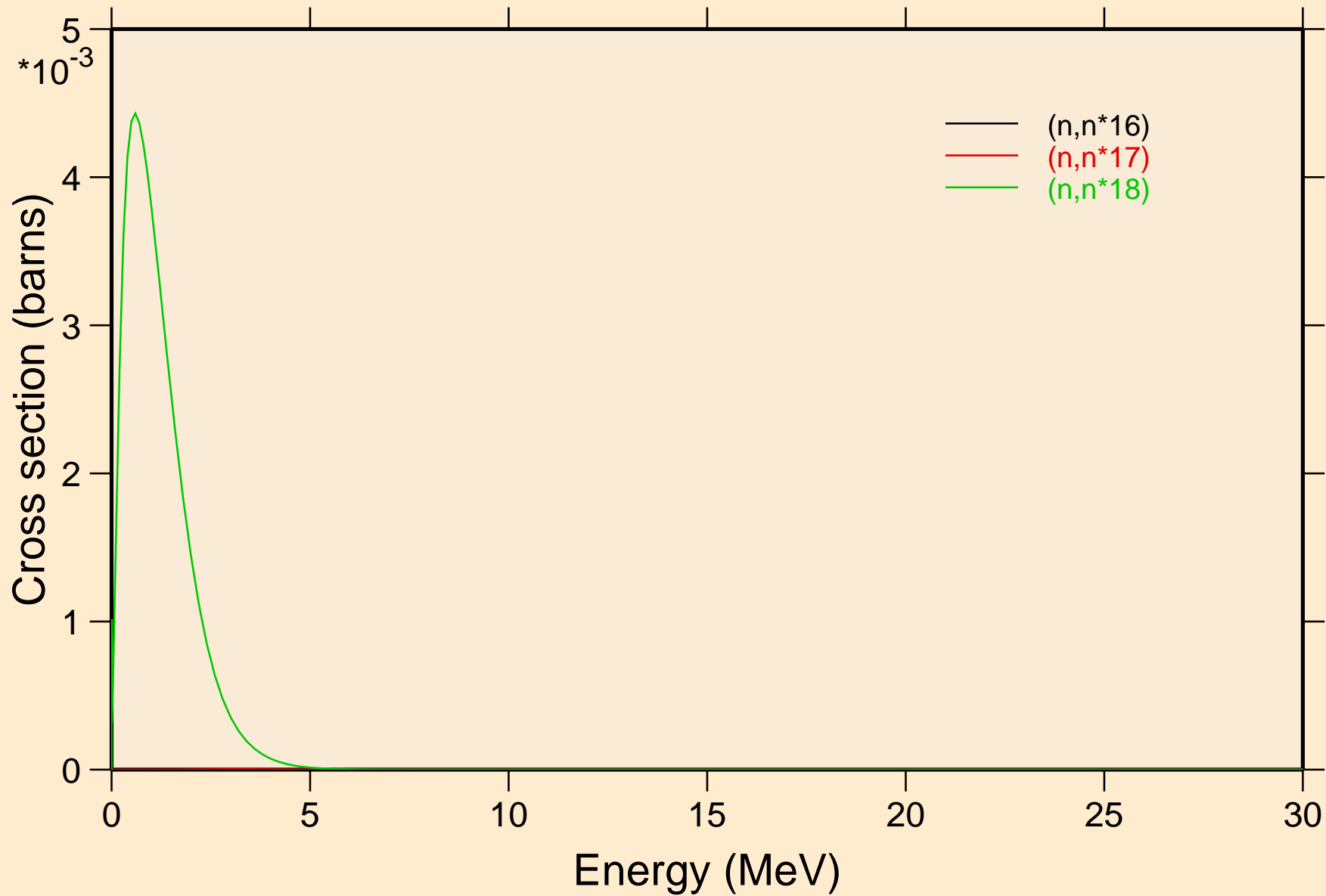
## Inelastic levels



IR190N NRG TENDL-2015, AKONING  
Inelastic levels



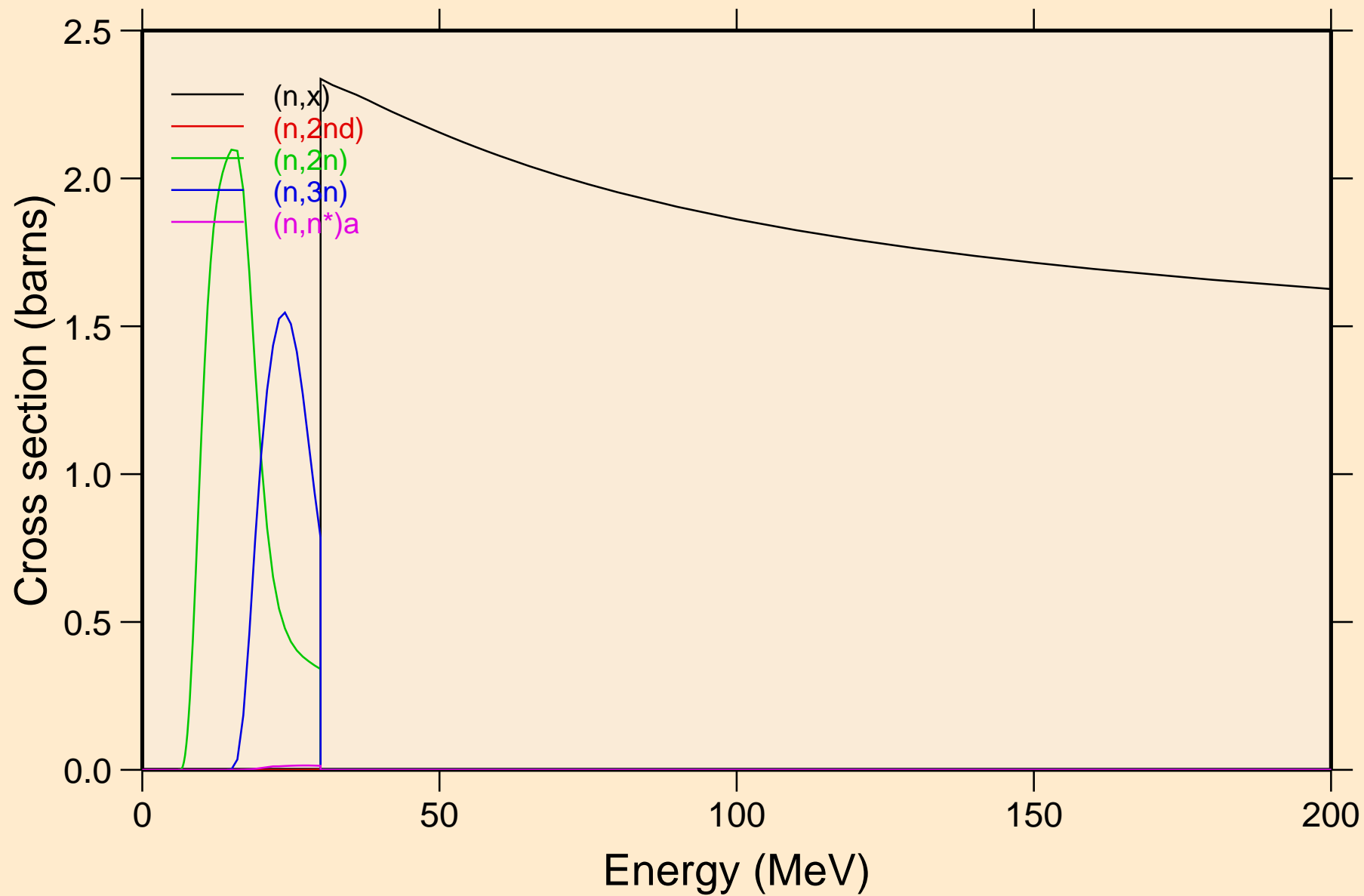
IR190N NRG TENDL-2015, AKONING  
Inelastic levels





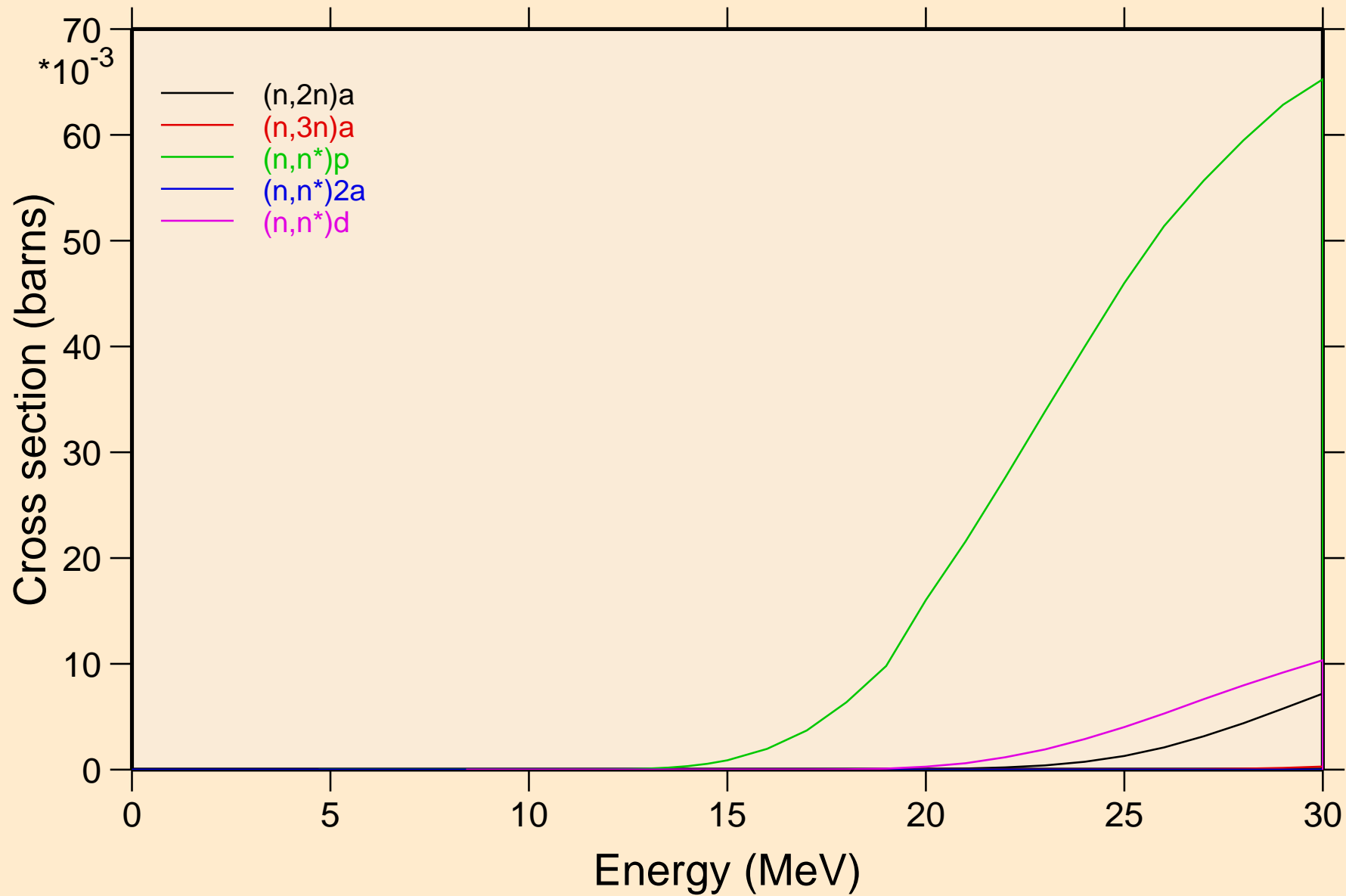
# IR190N NRG TENDL-2015, AKONING

## Threshold reactions



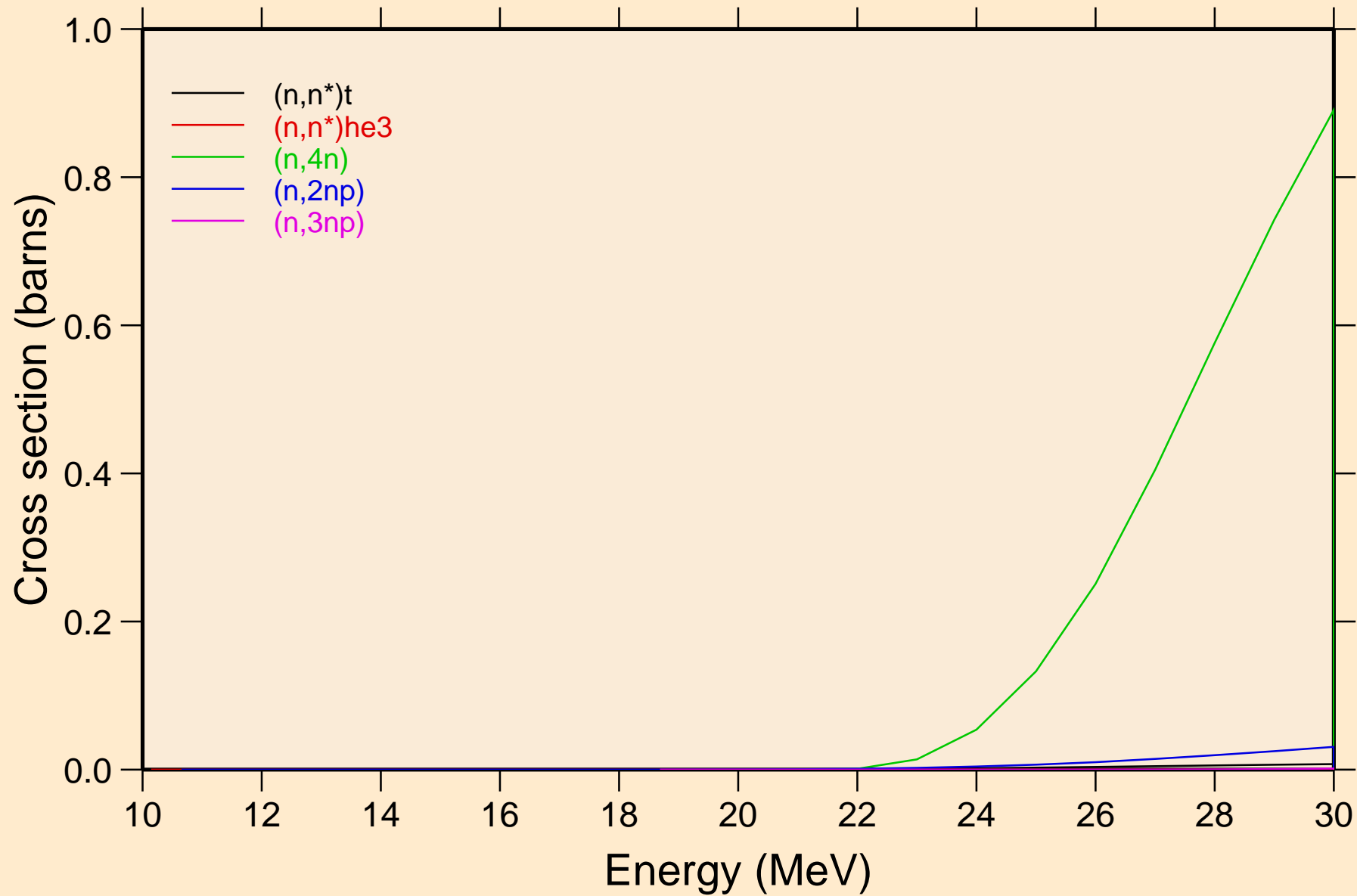
# IR190N NRG TENDL-2015, AKONING

## Threshold reactions



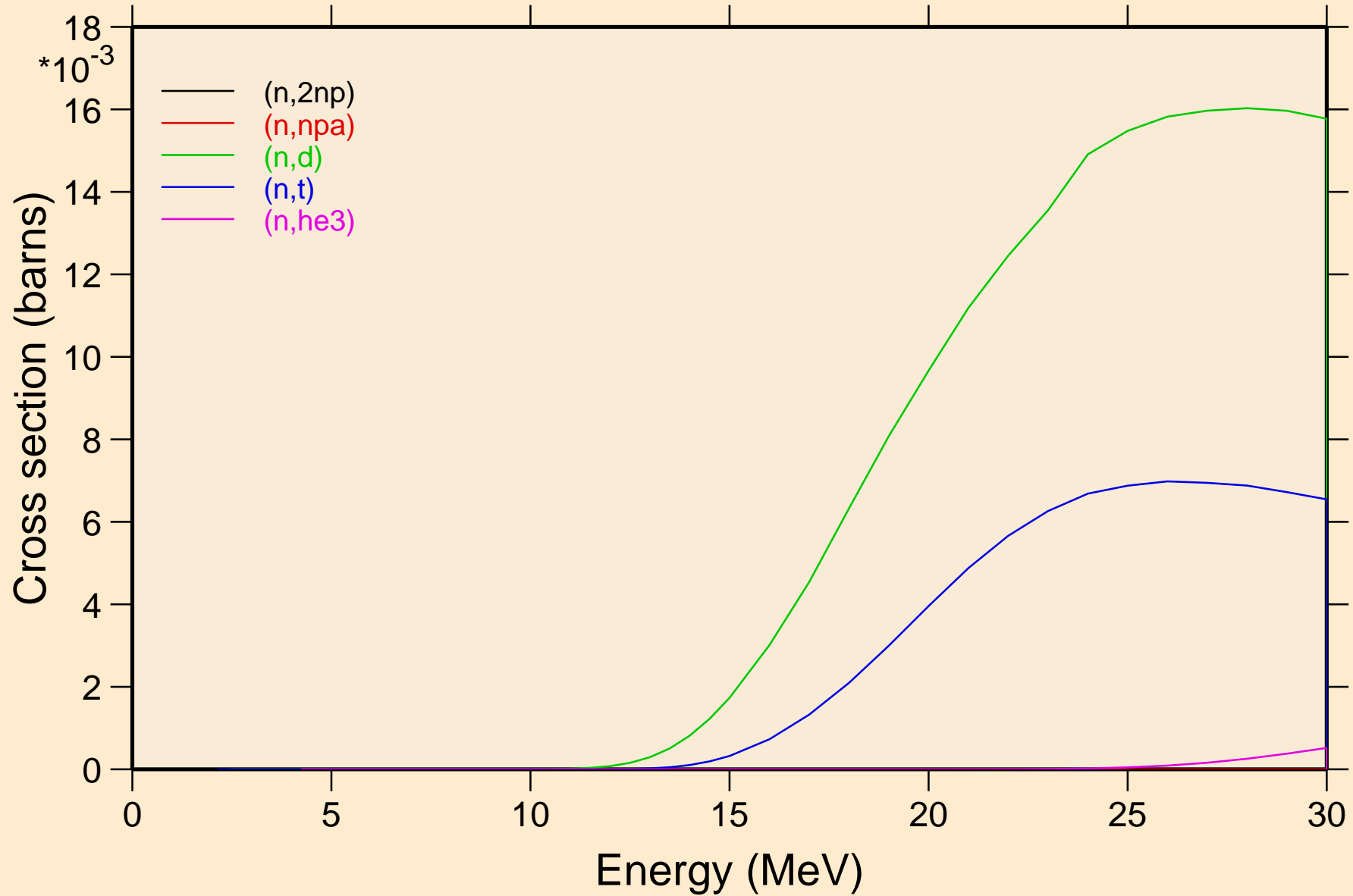
# IR190N NRG TENDL-2015, AKONING

## Threshold reactions



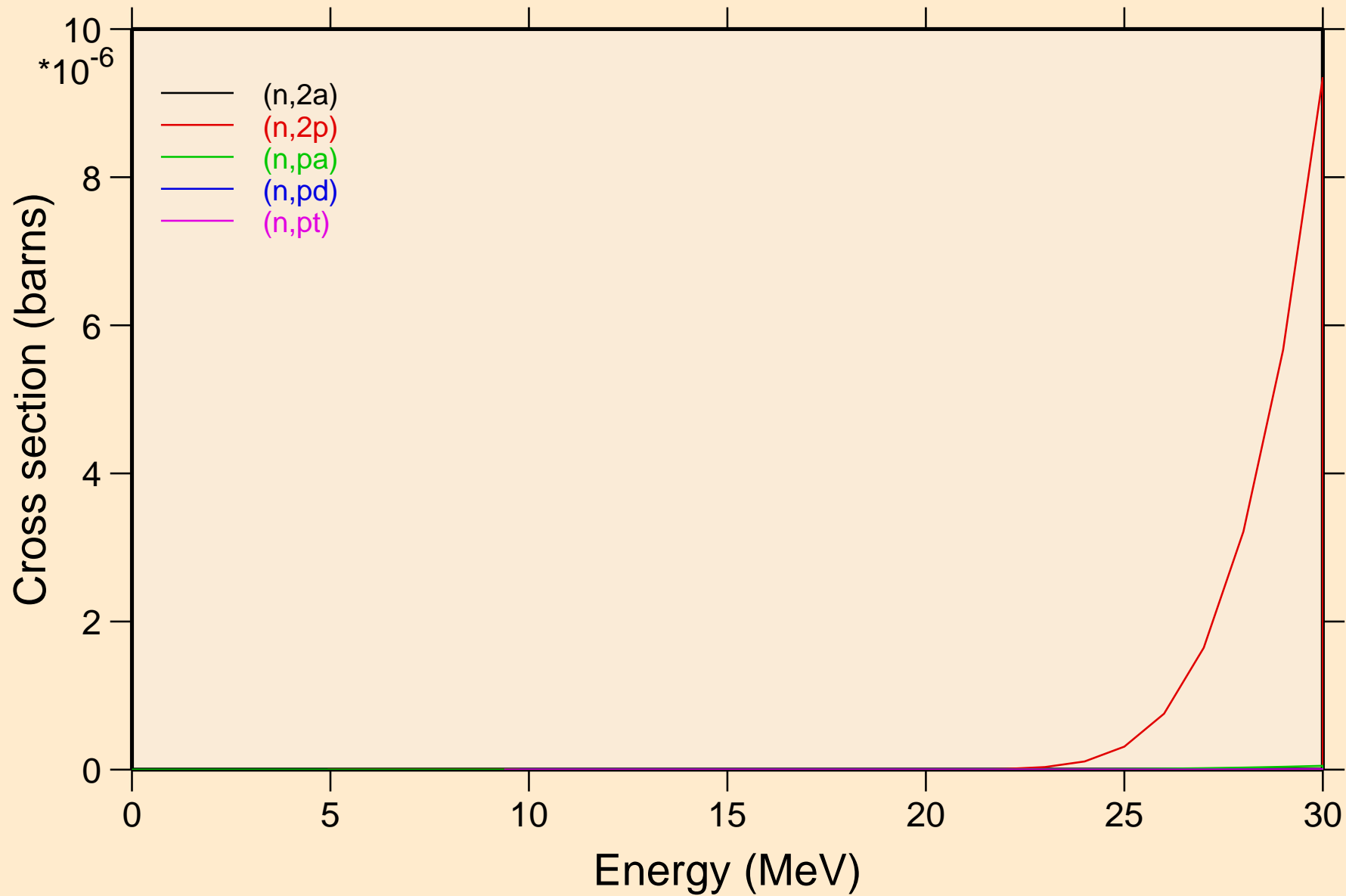
# IR190N NRG TENDL-2015, AKONING

## Threshold reactions

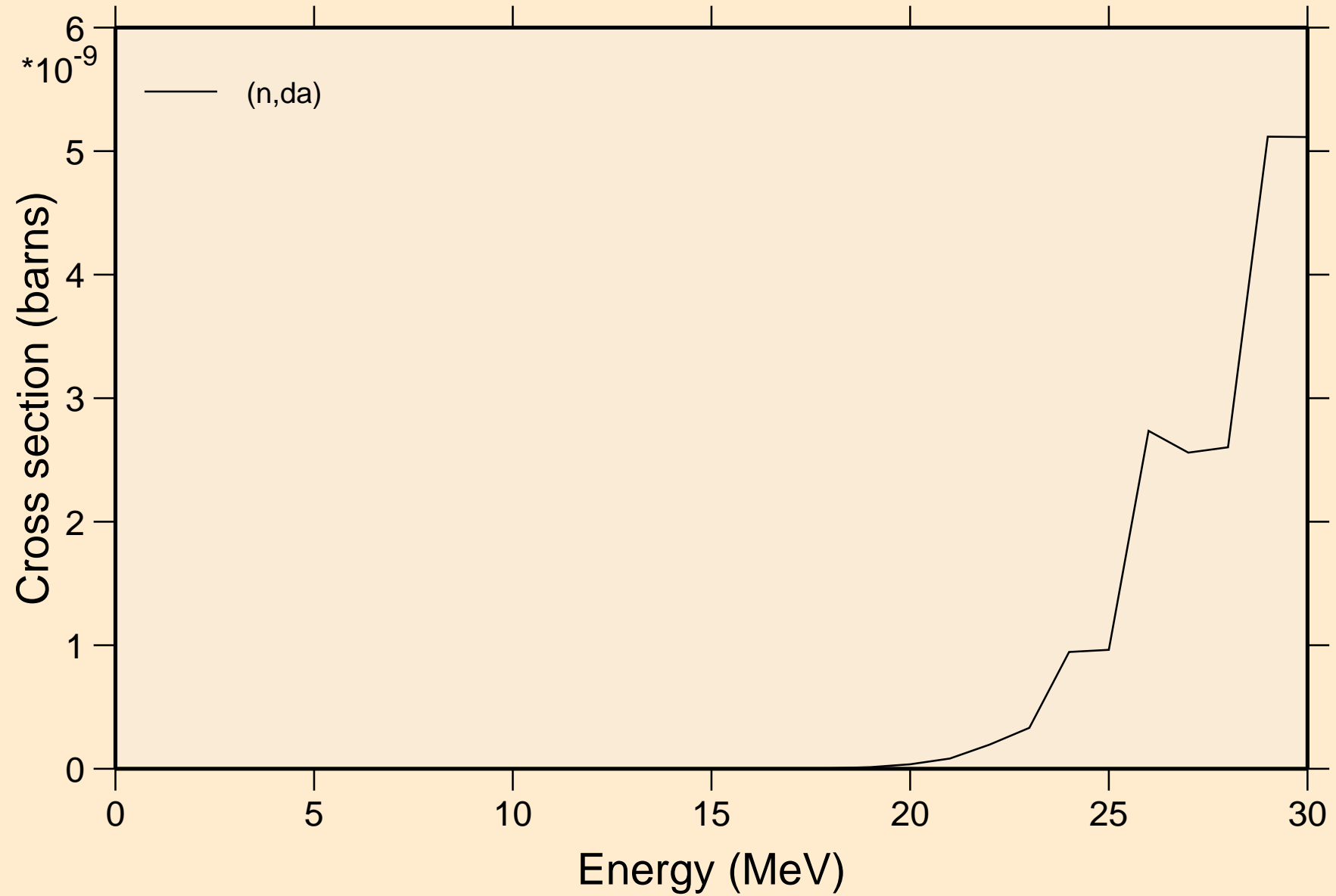


# IR190N NRG TENDL-2015, AKONING

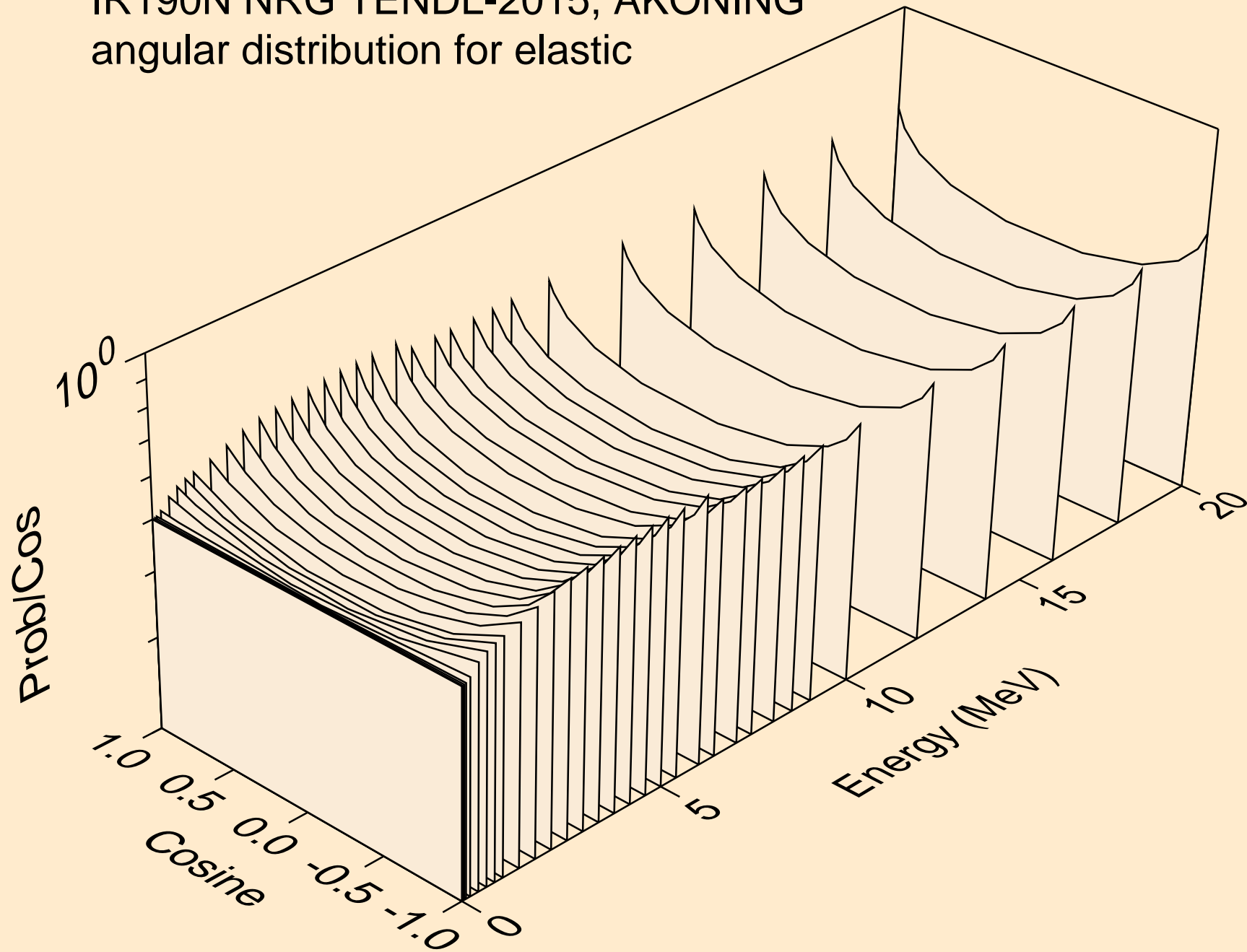
## Threshold reactions



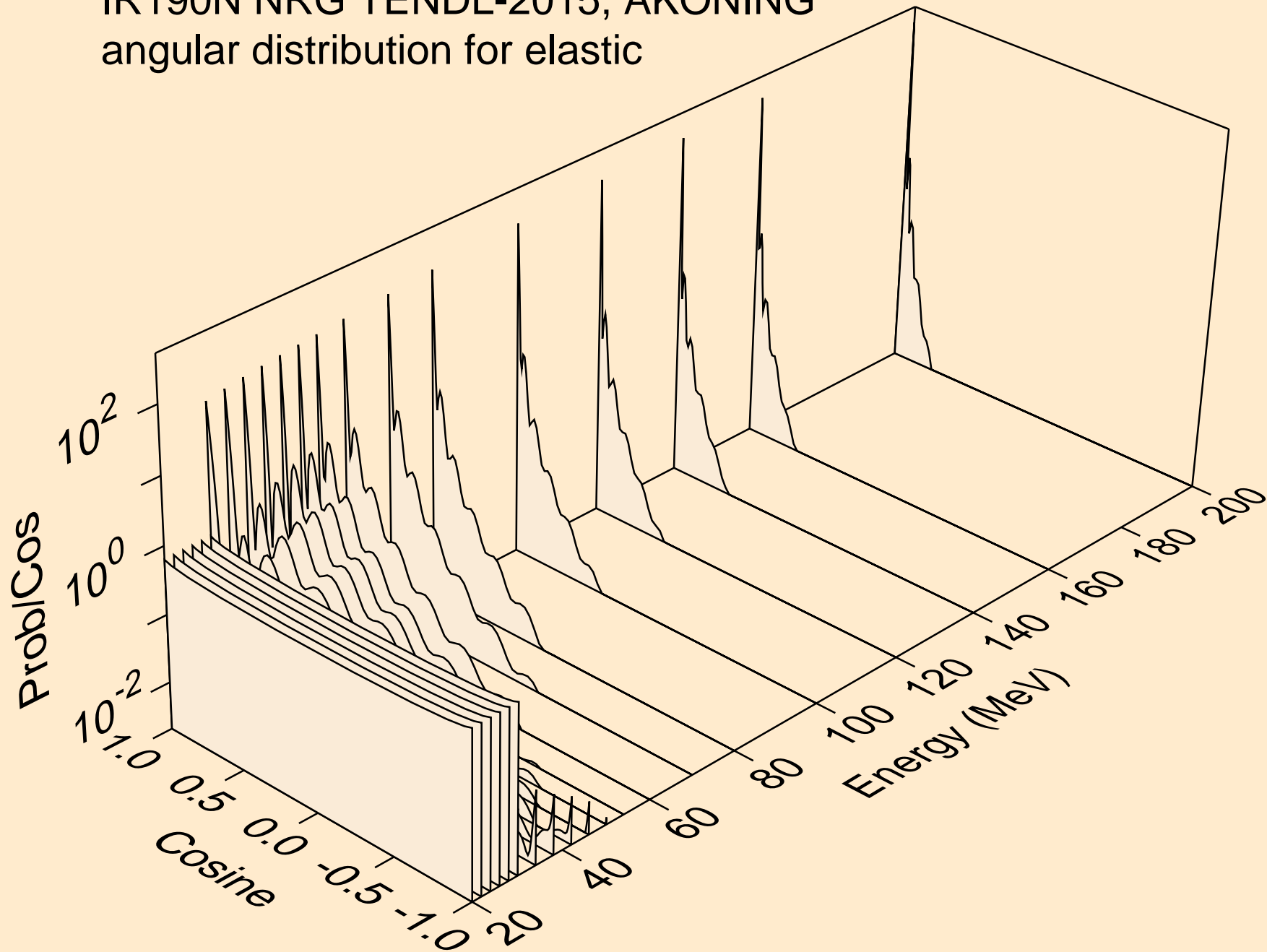
IR190N NRG TENDL-2015, AKONING  
Threshold reactions



IR190N NRG TENDL-2015, AKONING  
angular distribution for elastic

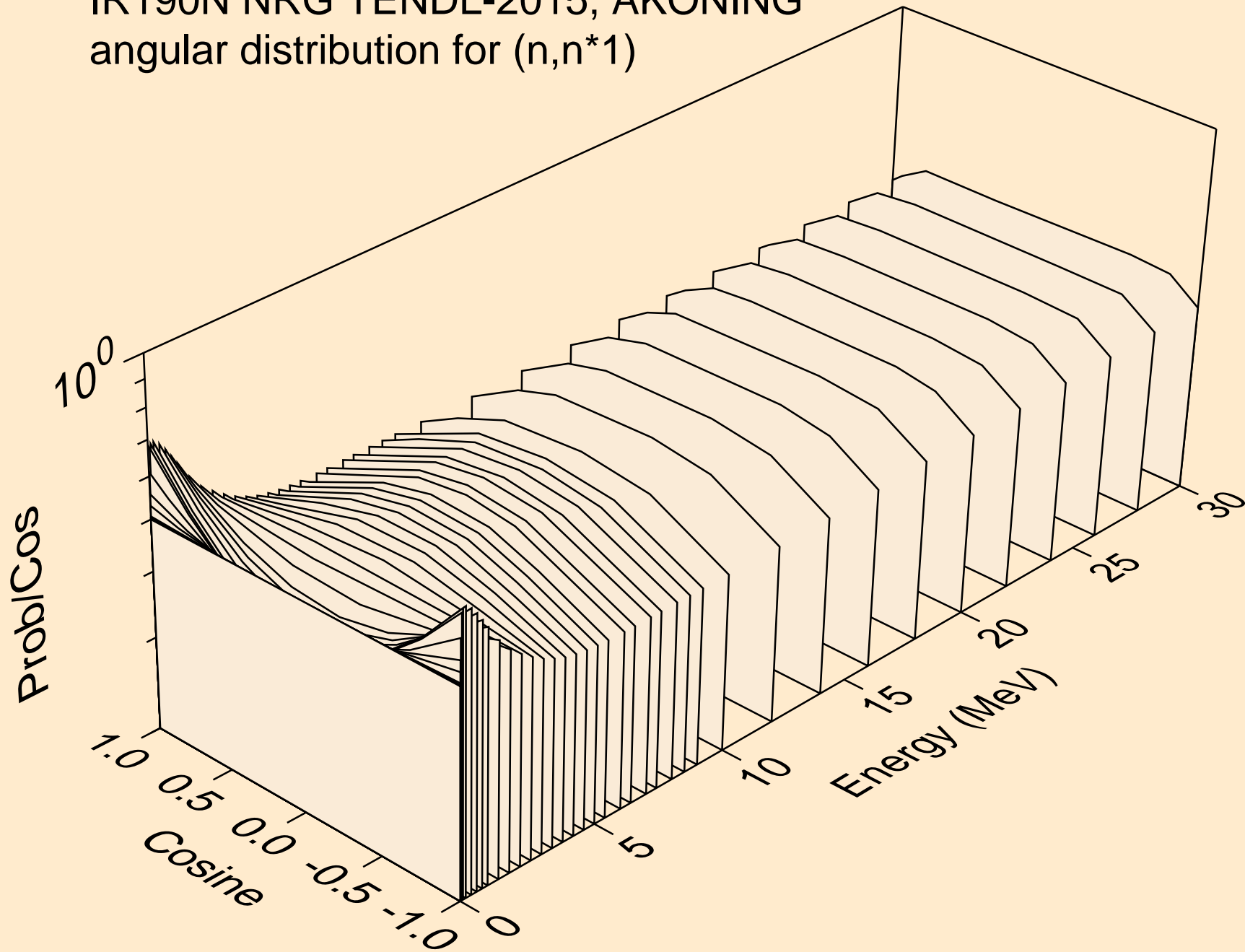


IR190N NRG TENDL-2015, AKONING  
angular distribution for elastic

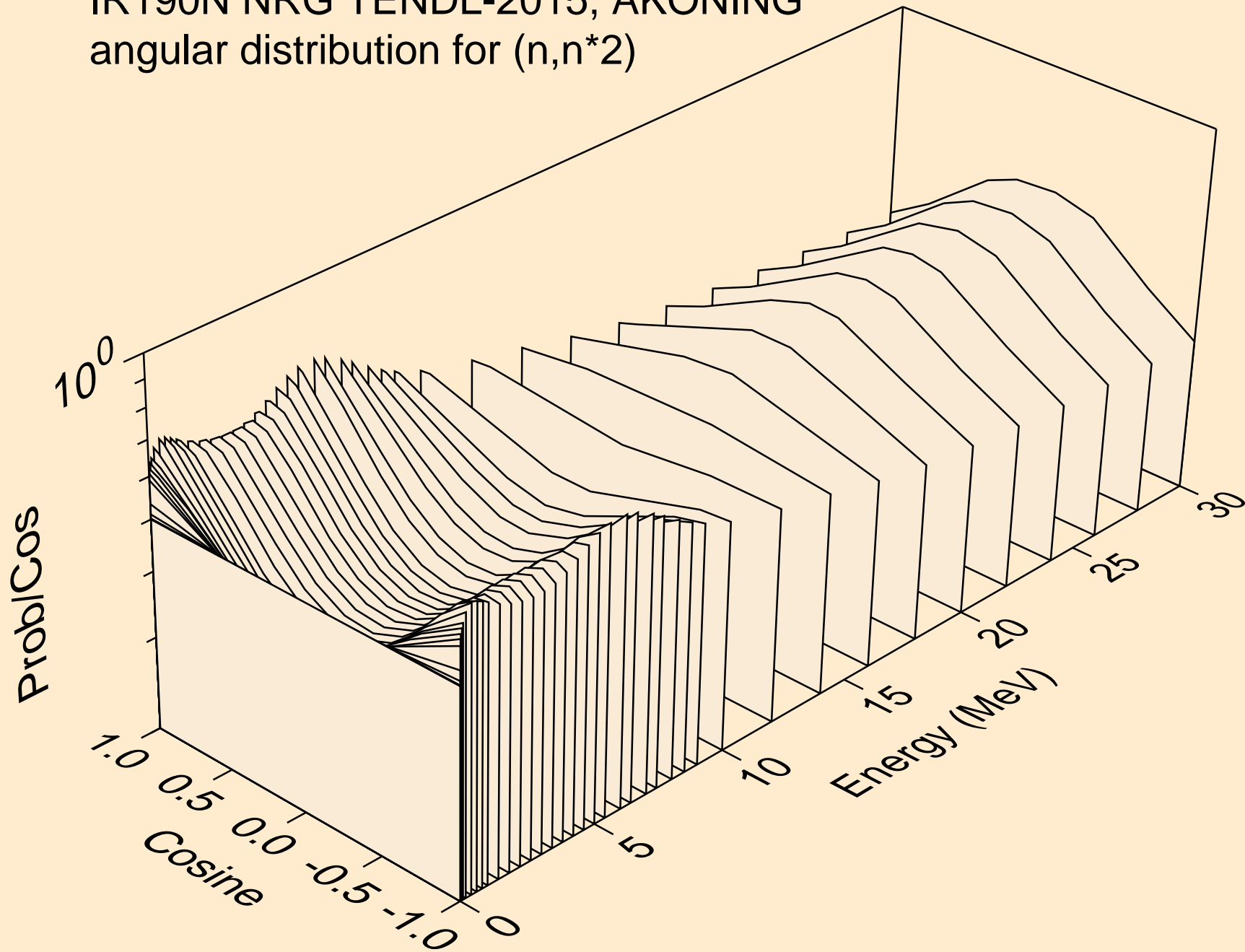




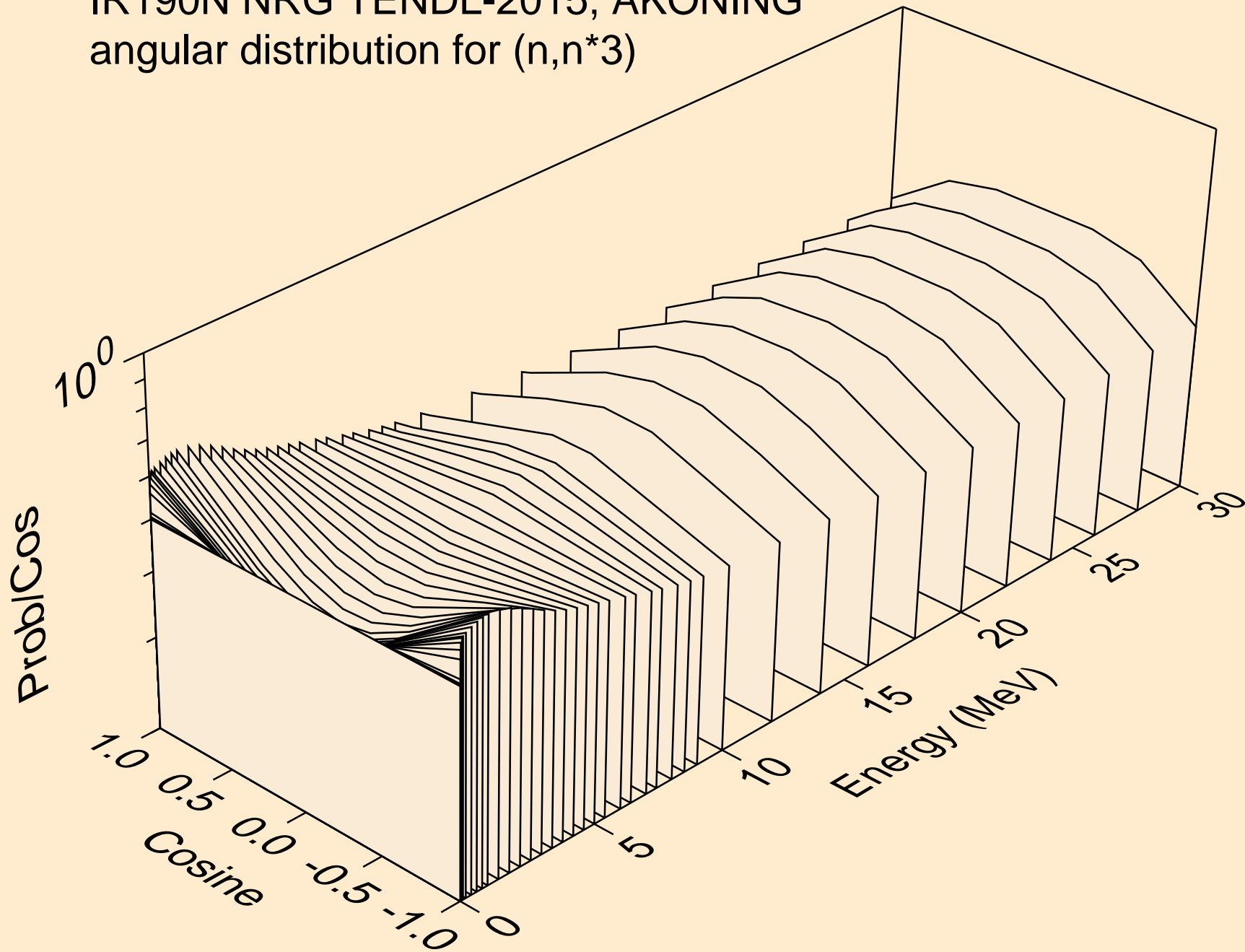
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



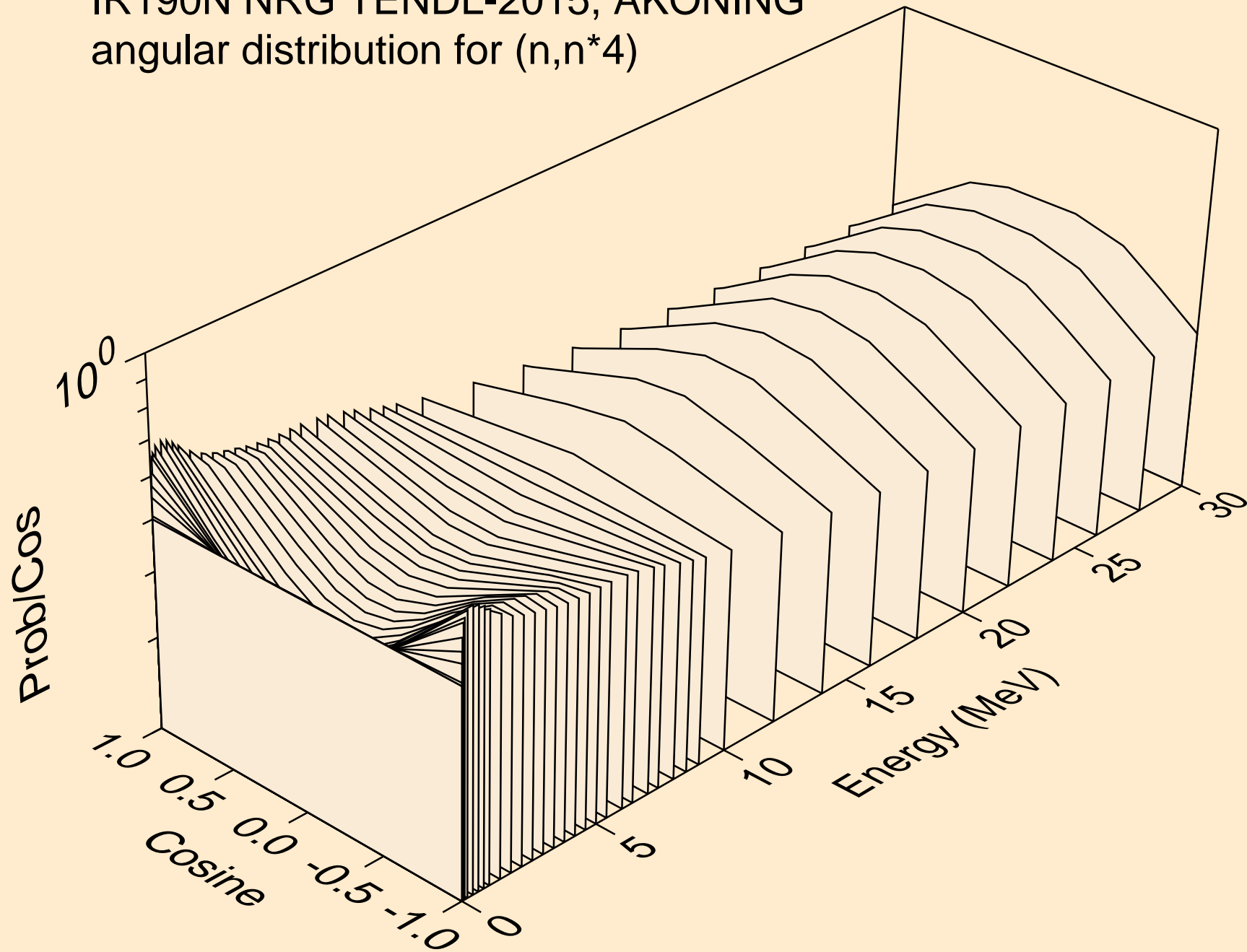
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



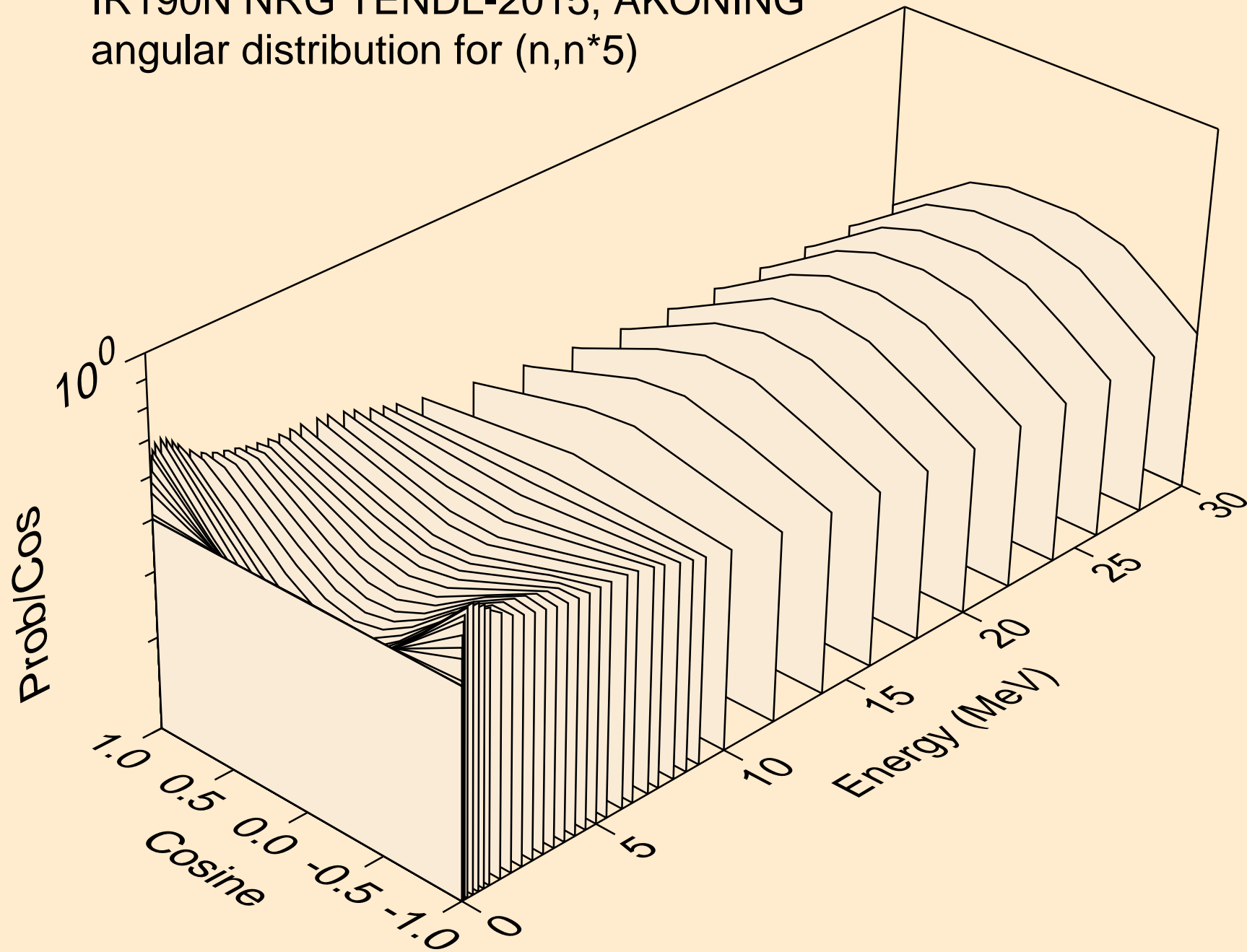
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



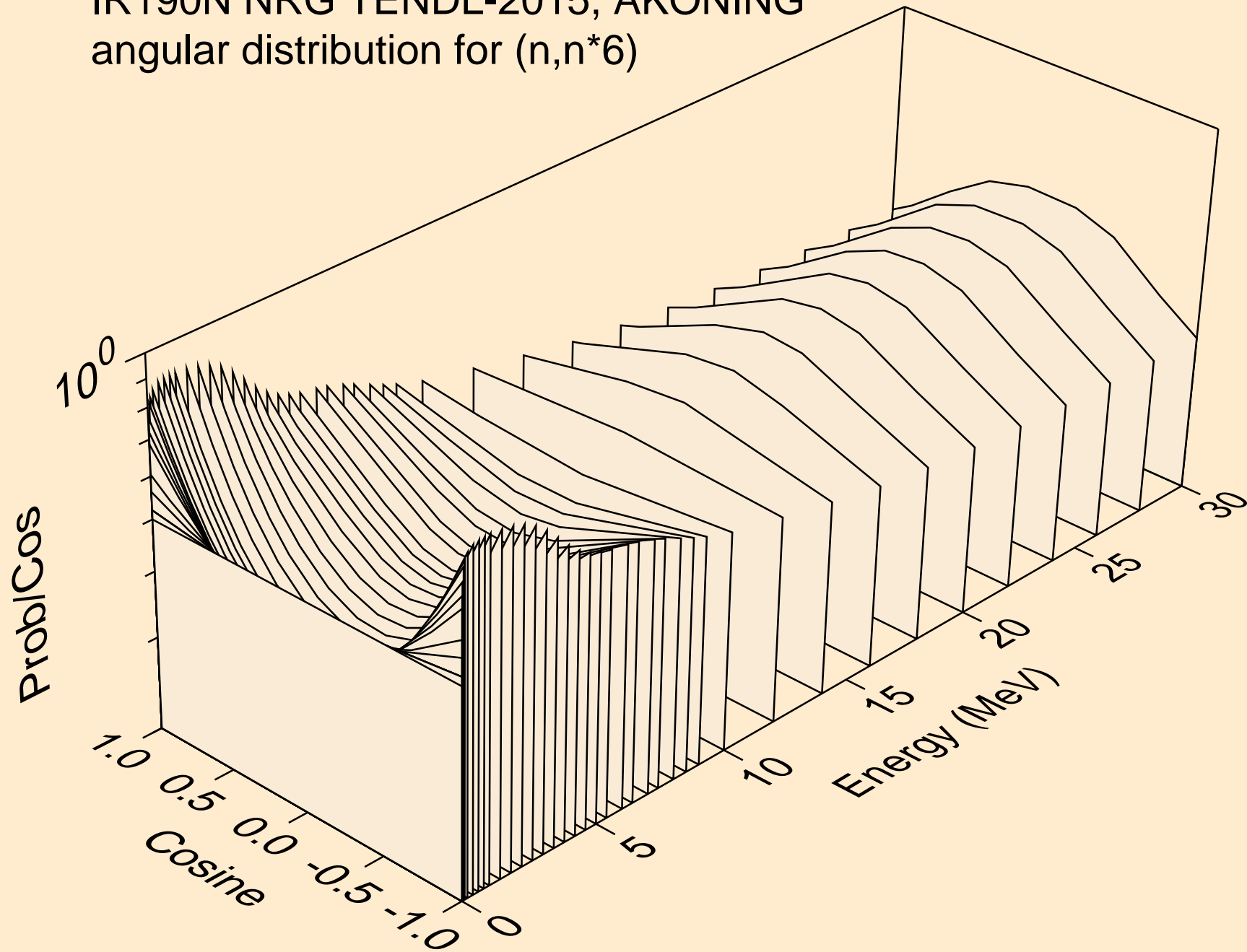
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



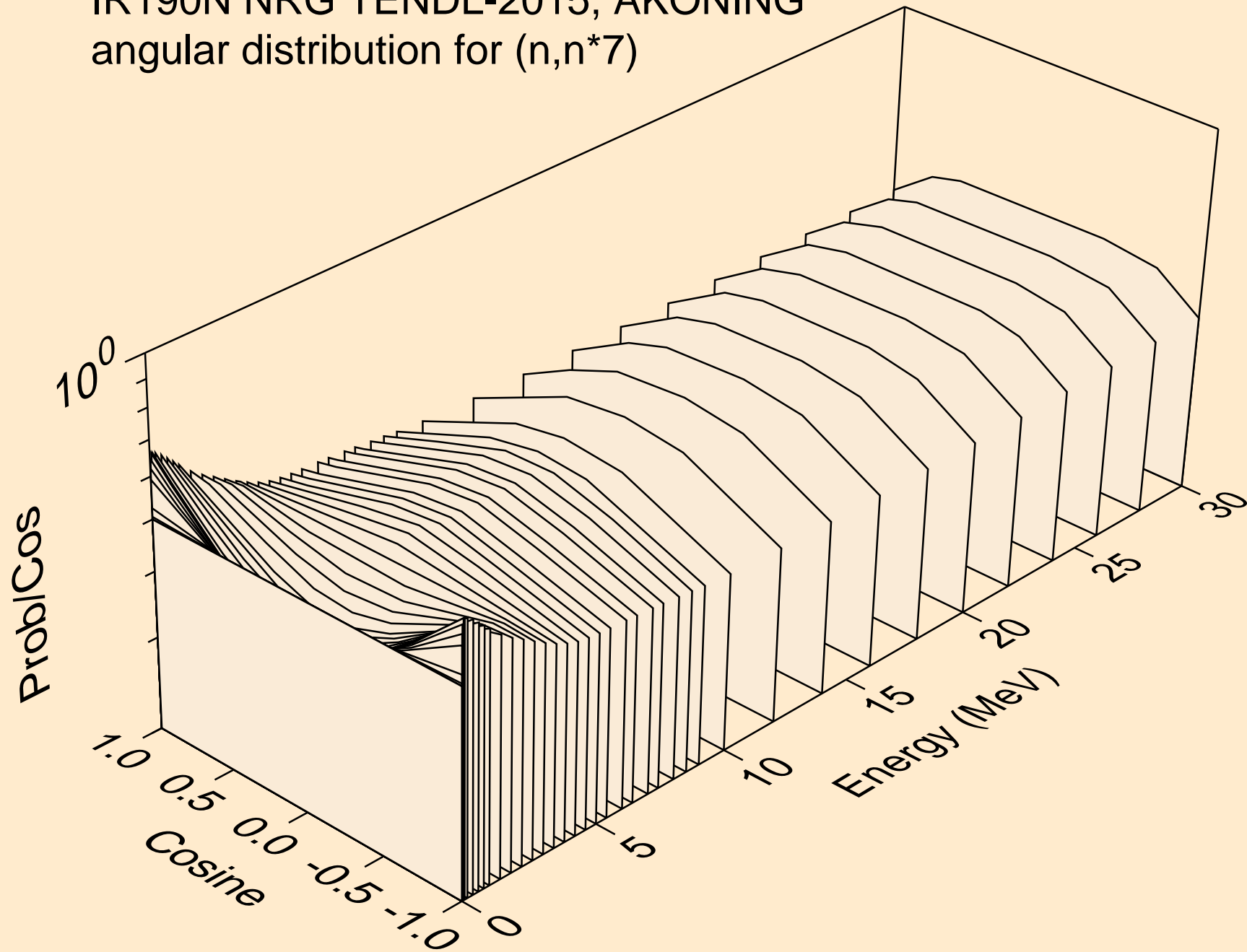
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



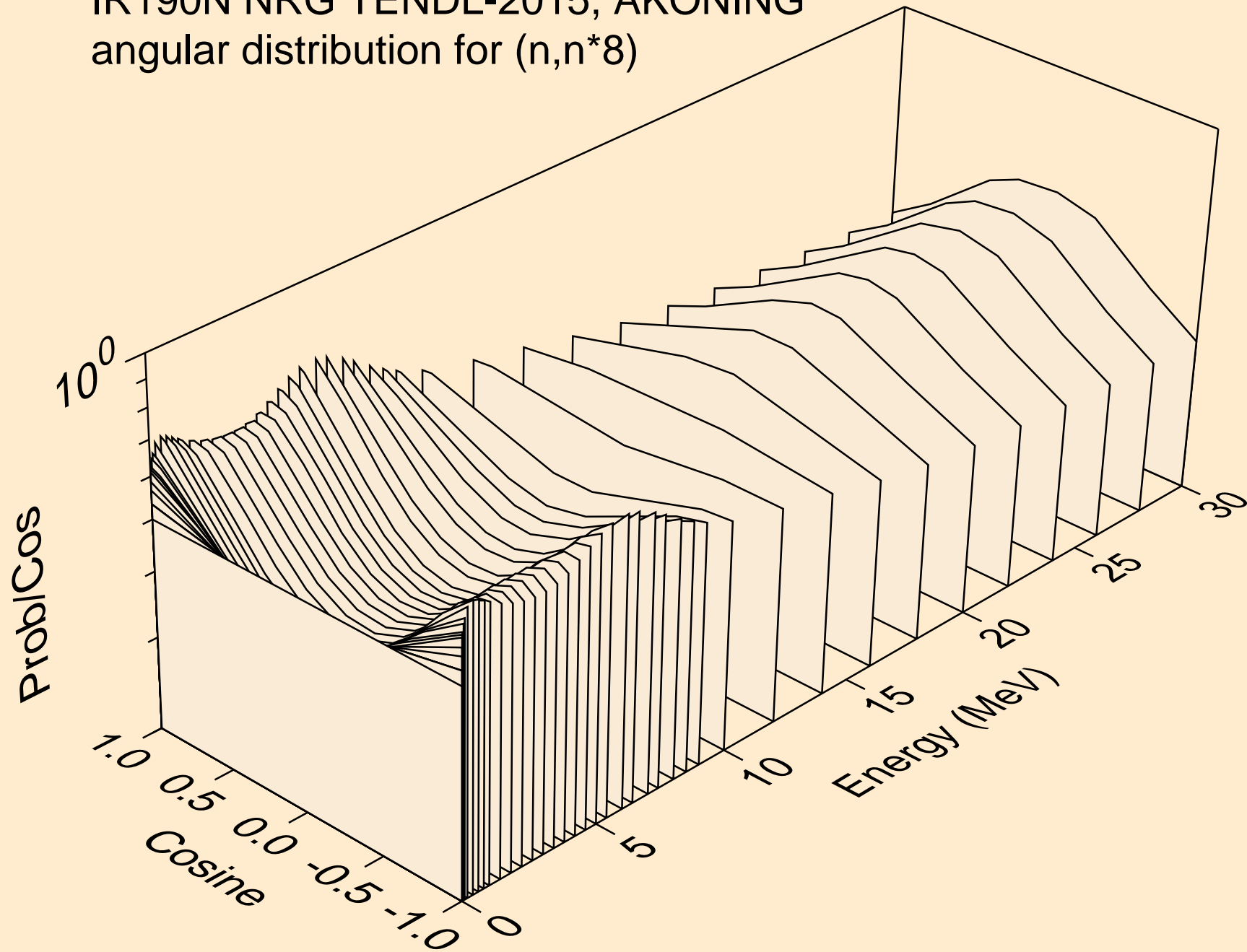
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

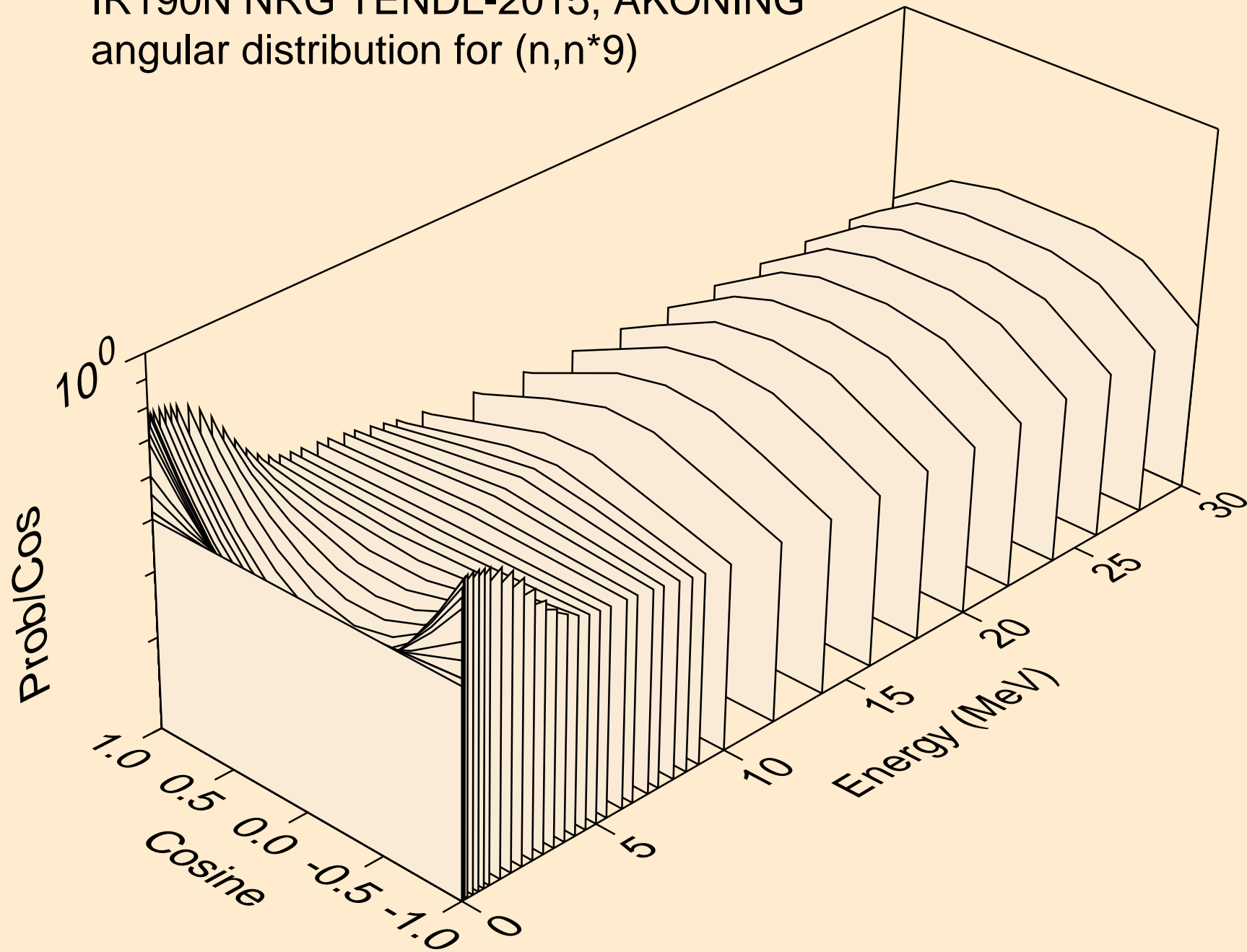


IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

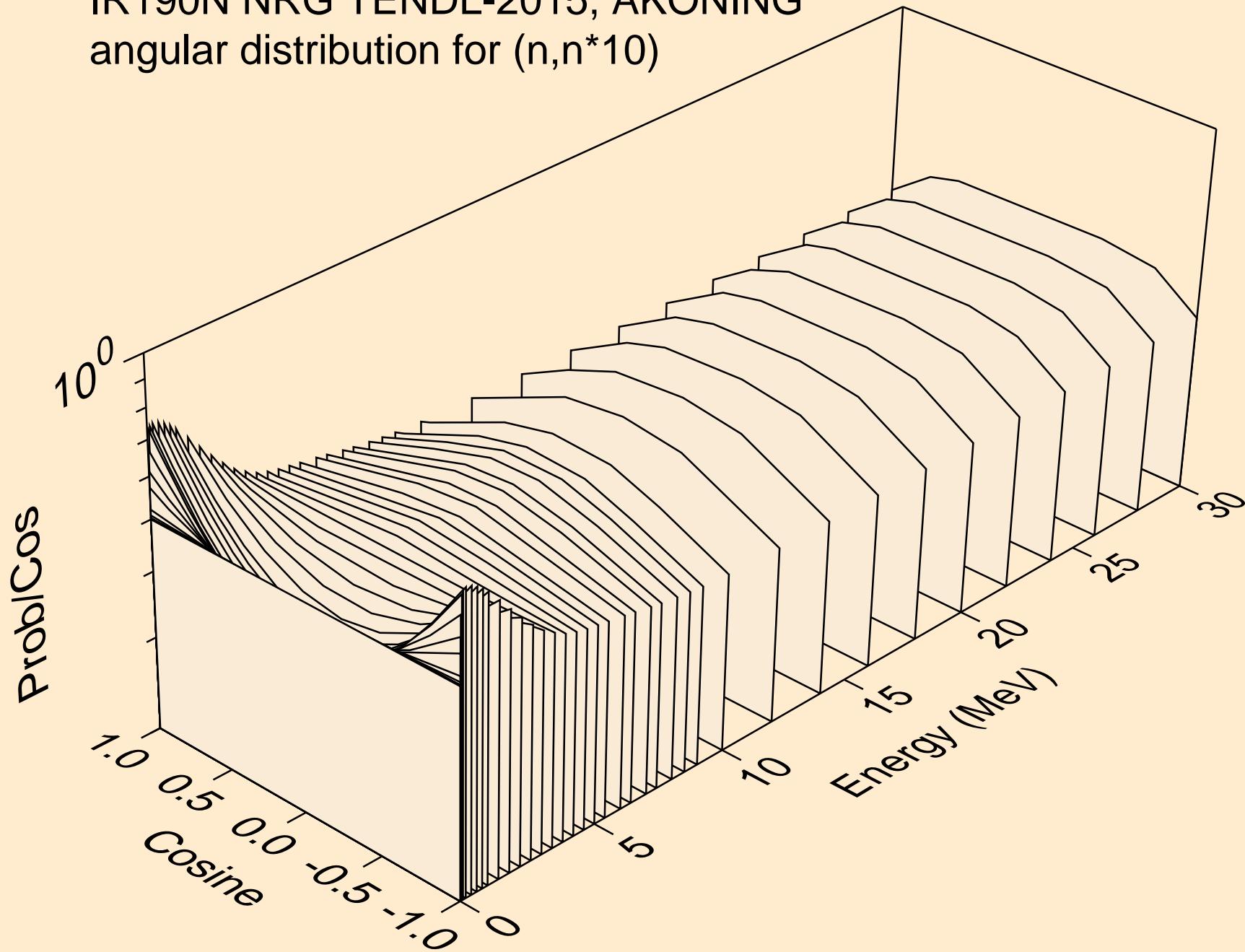




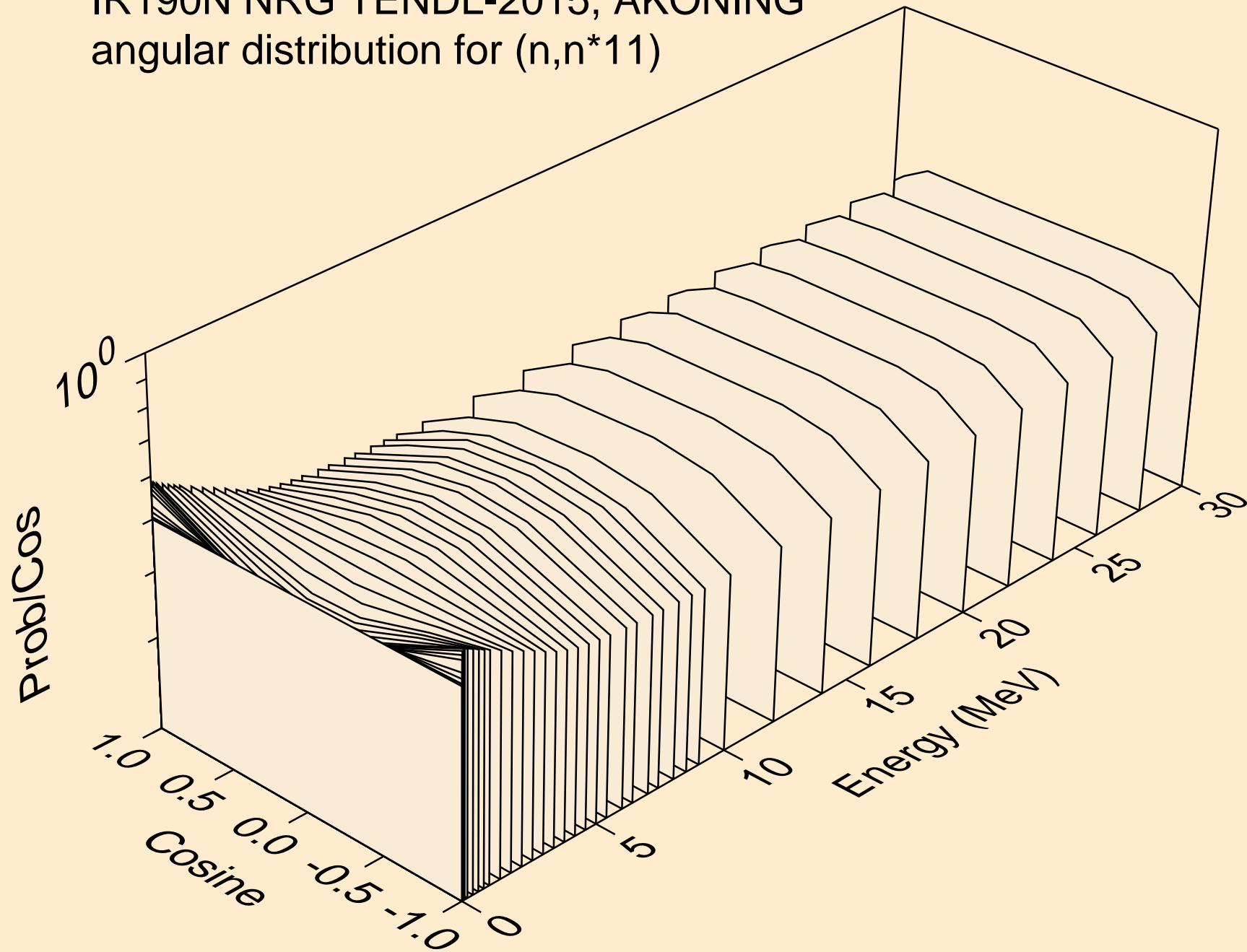
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



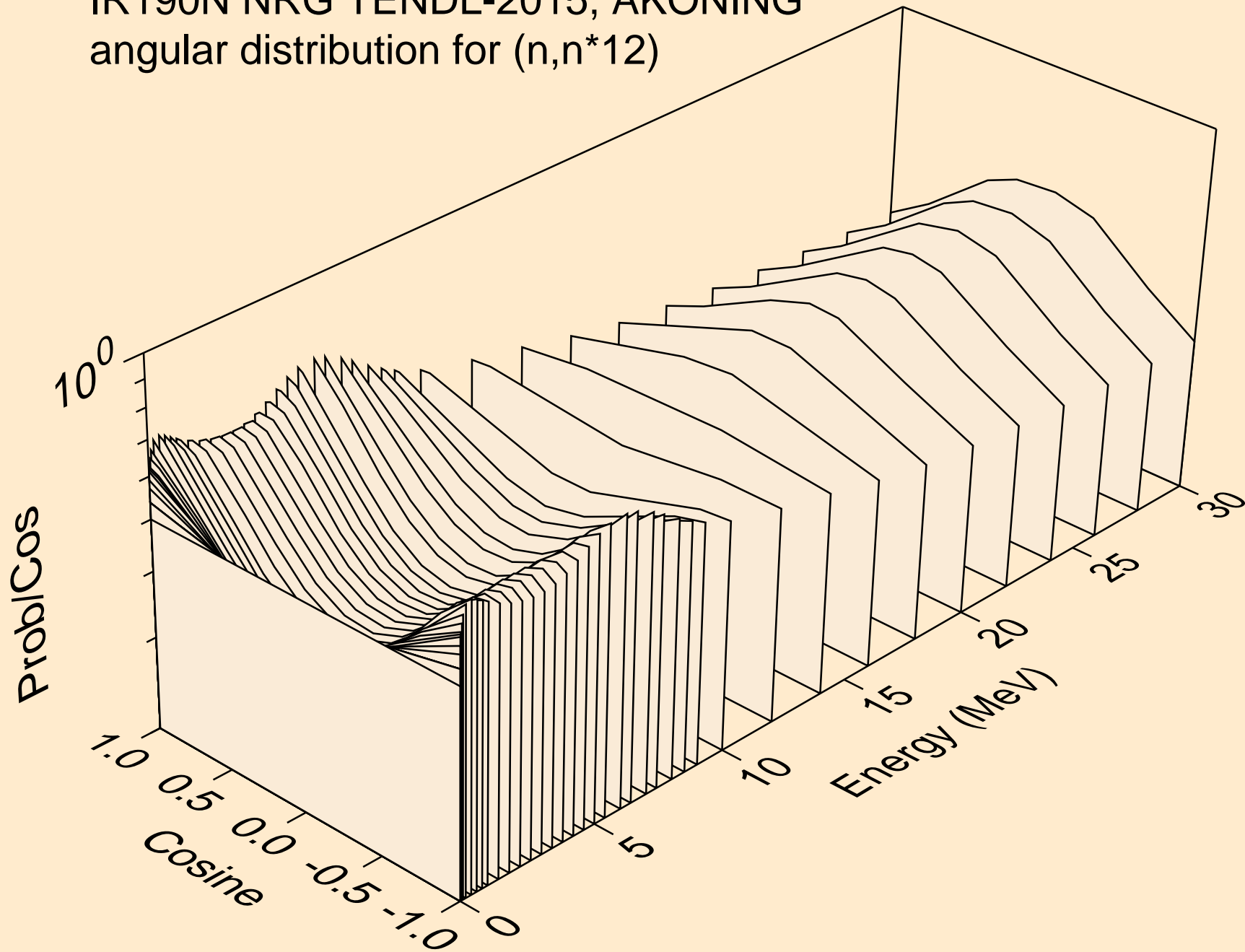
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



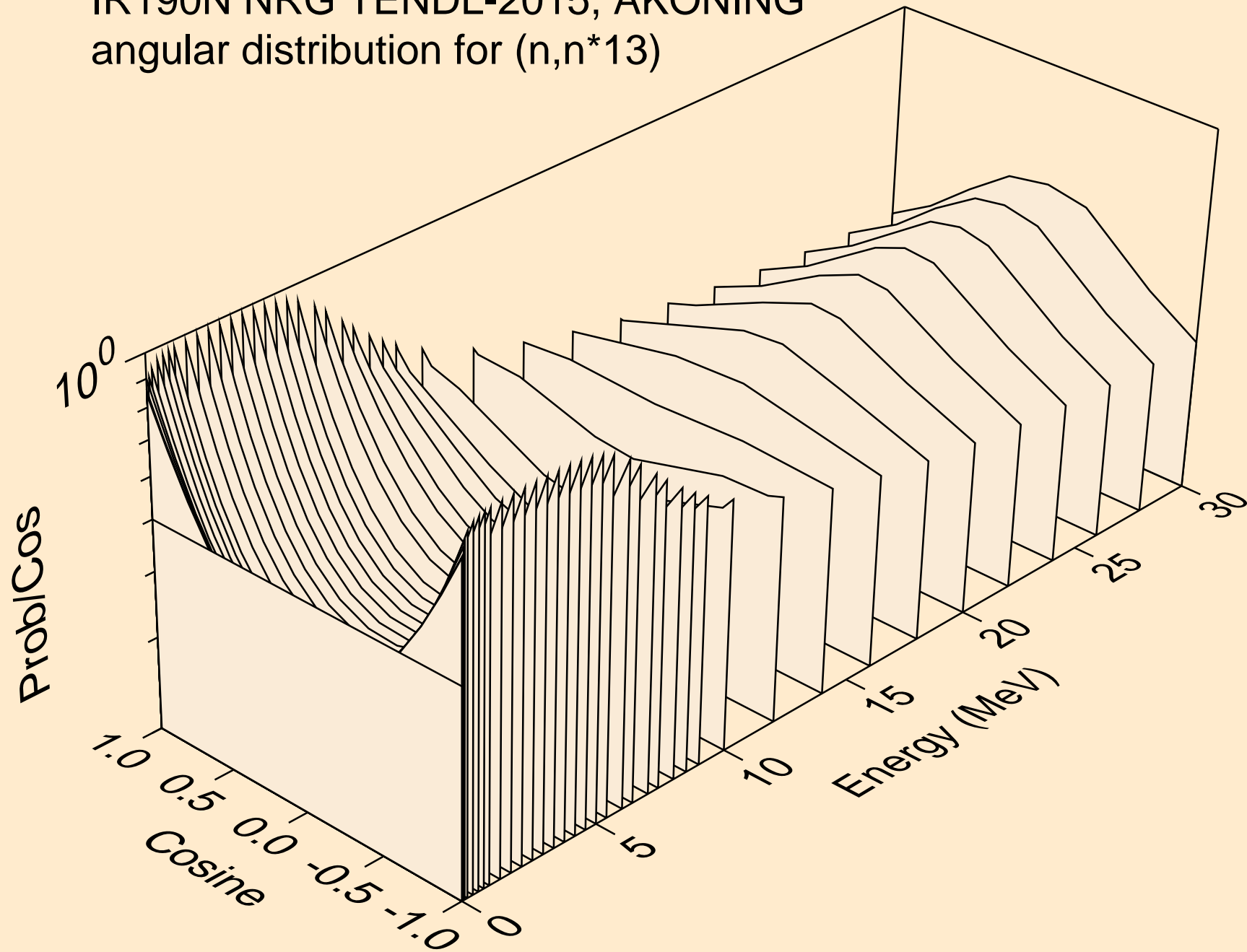
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



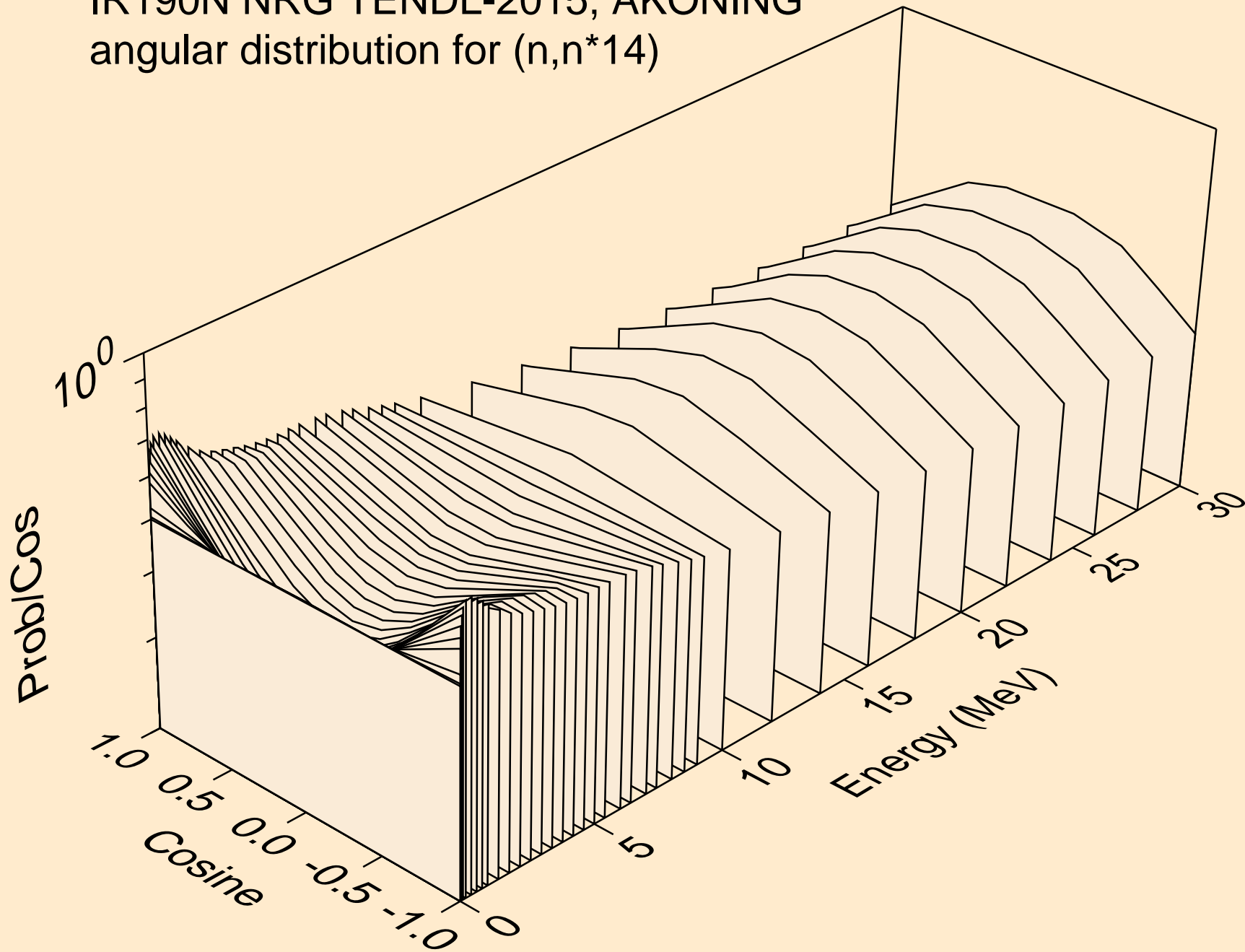
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



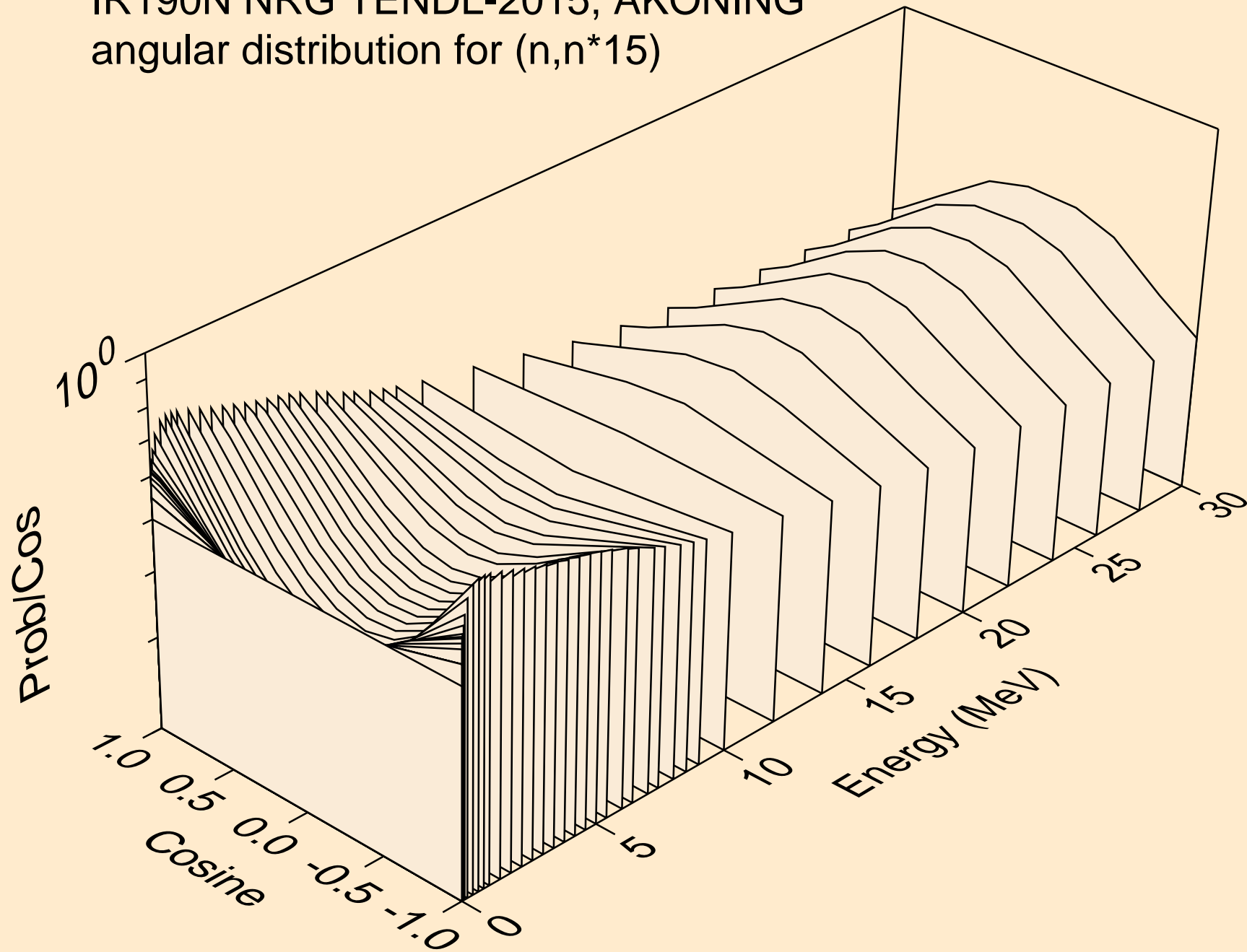
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



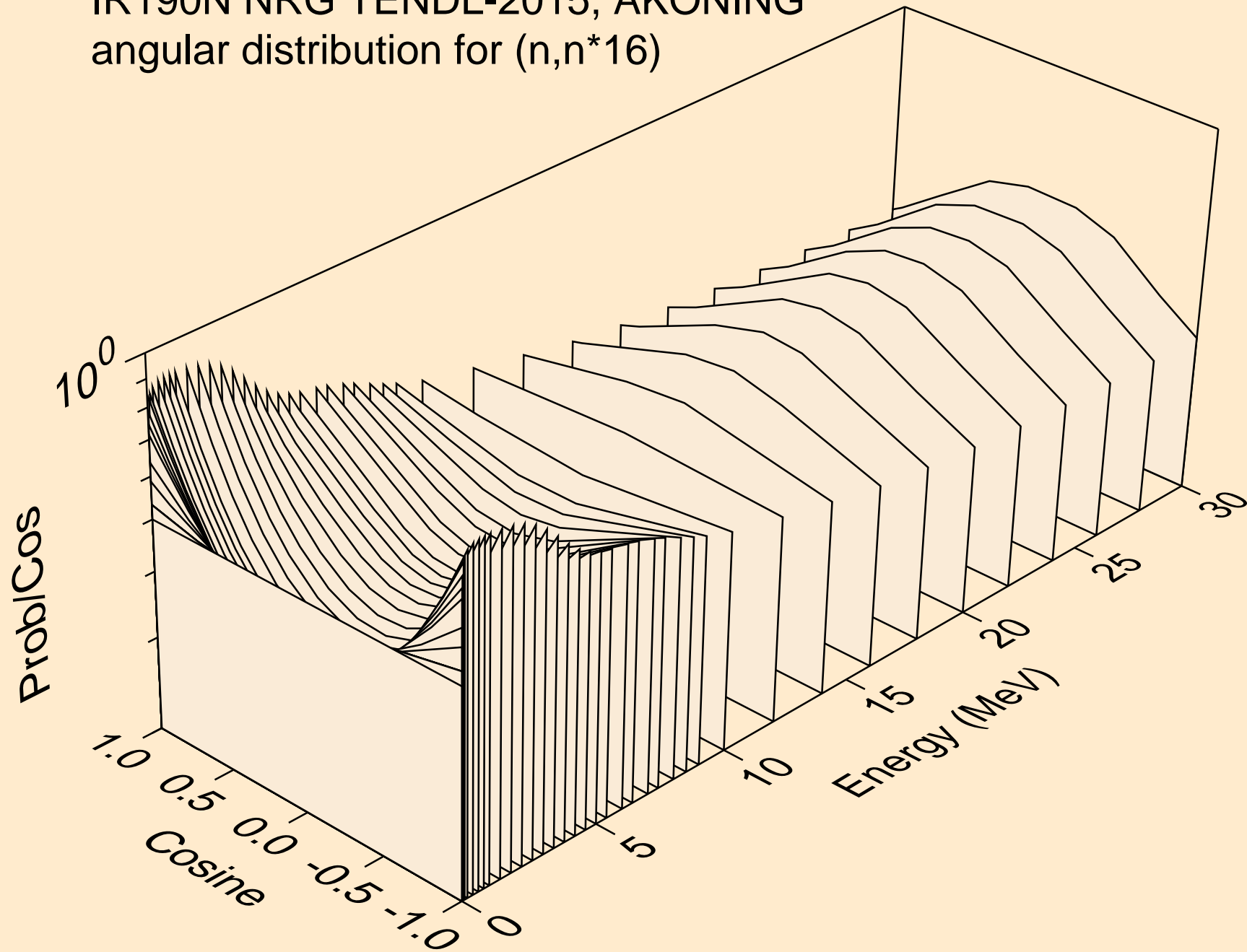
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

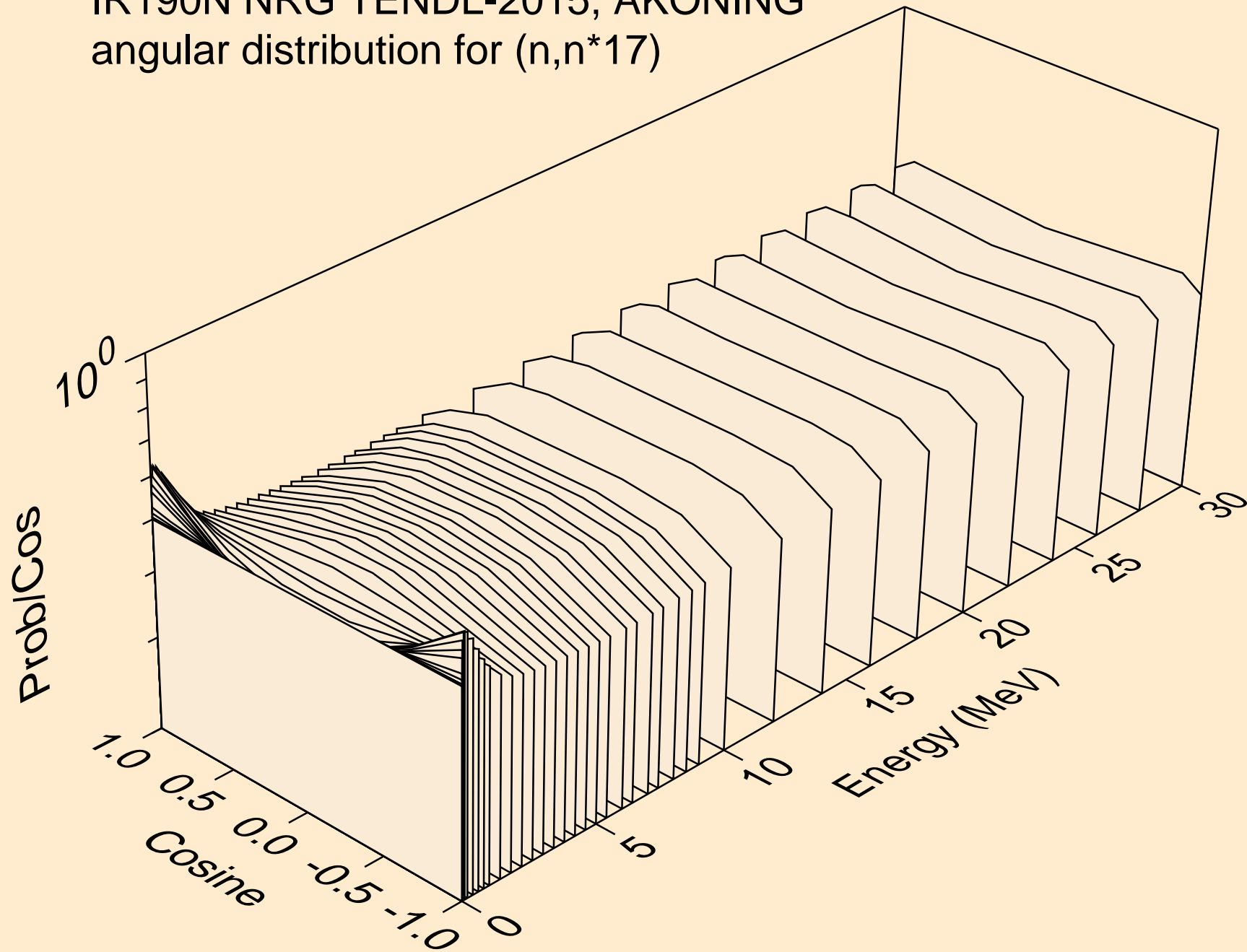


IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

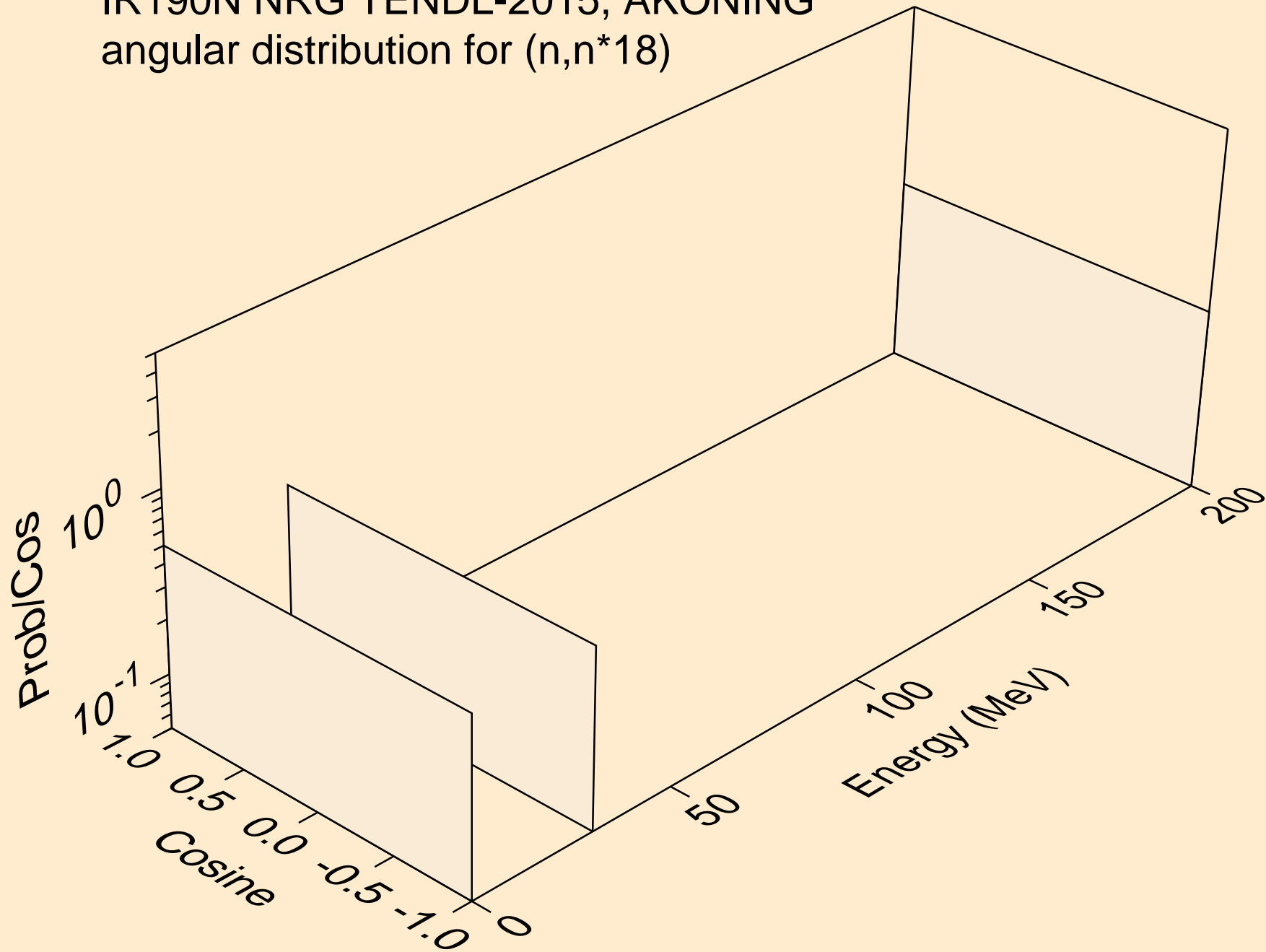




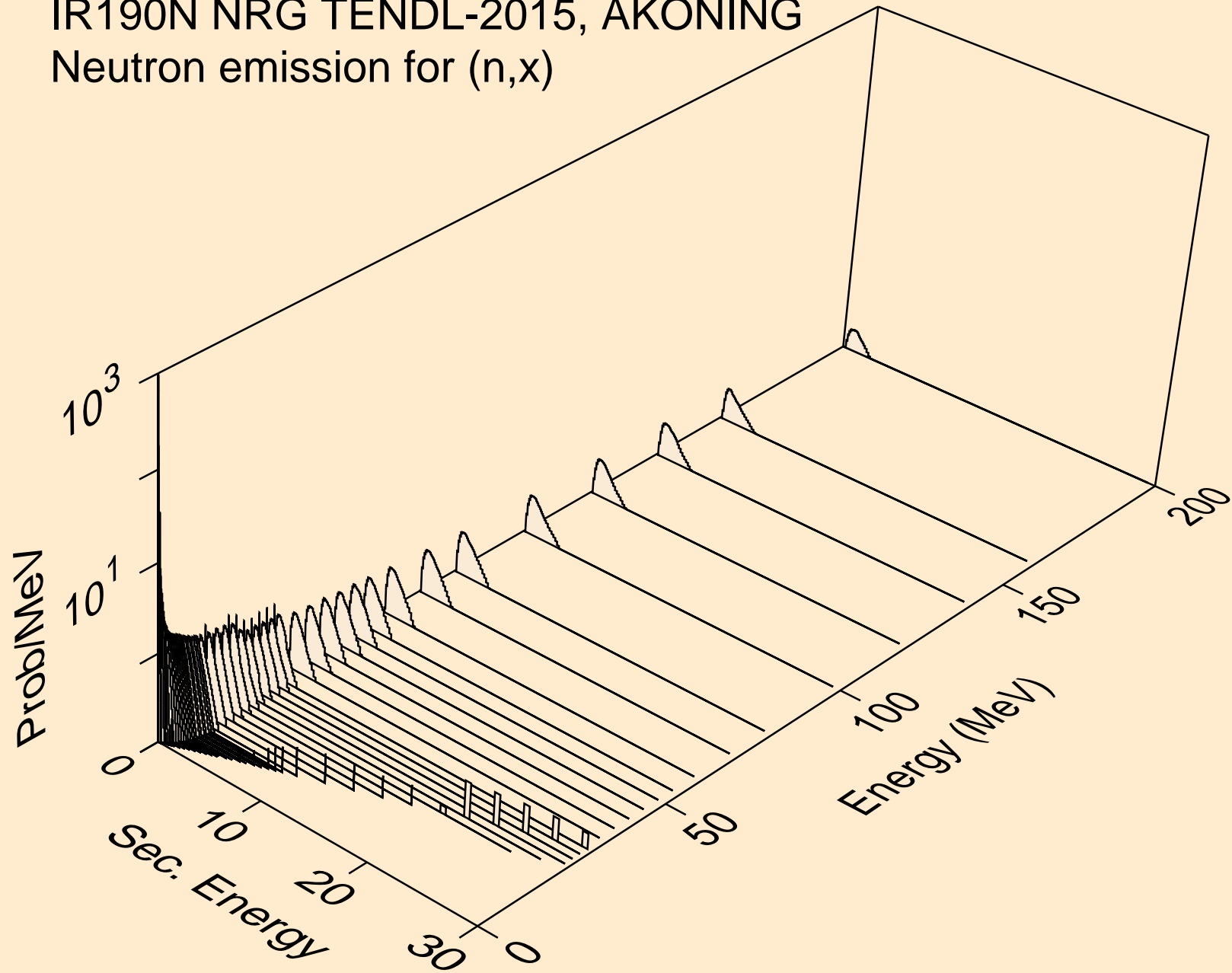
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



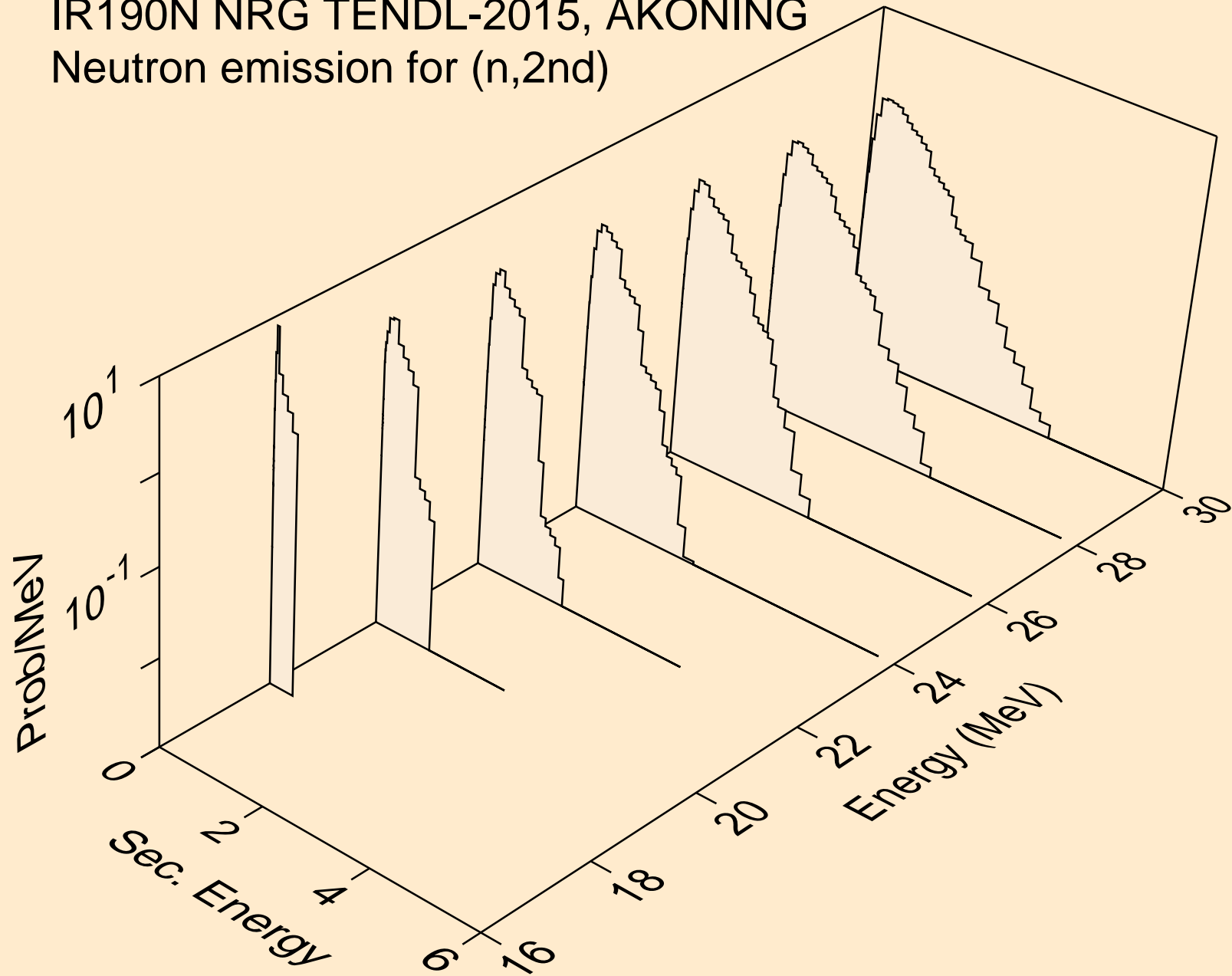
IR190N NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



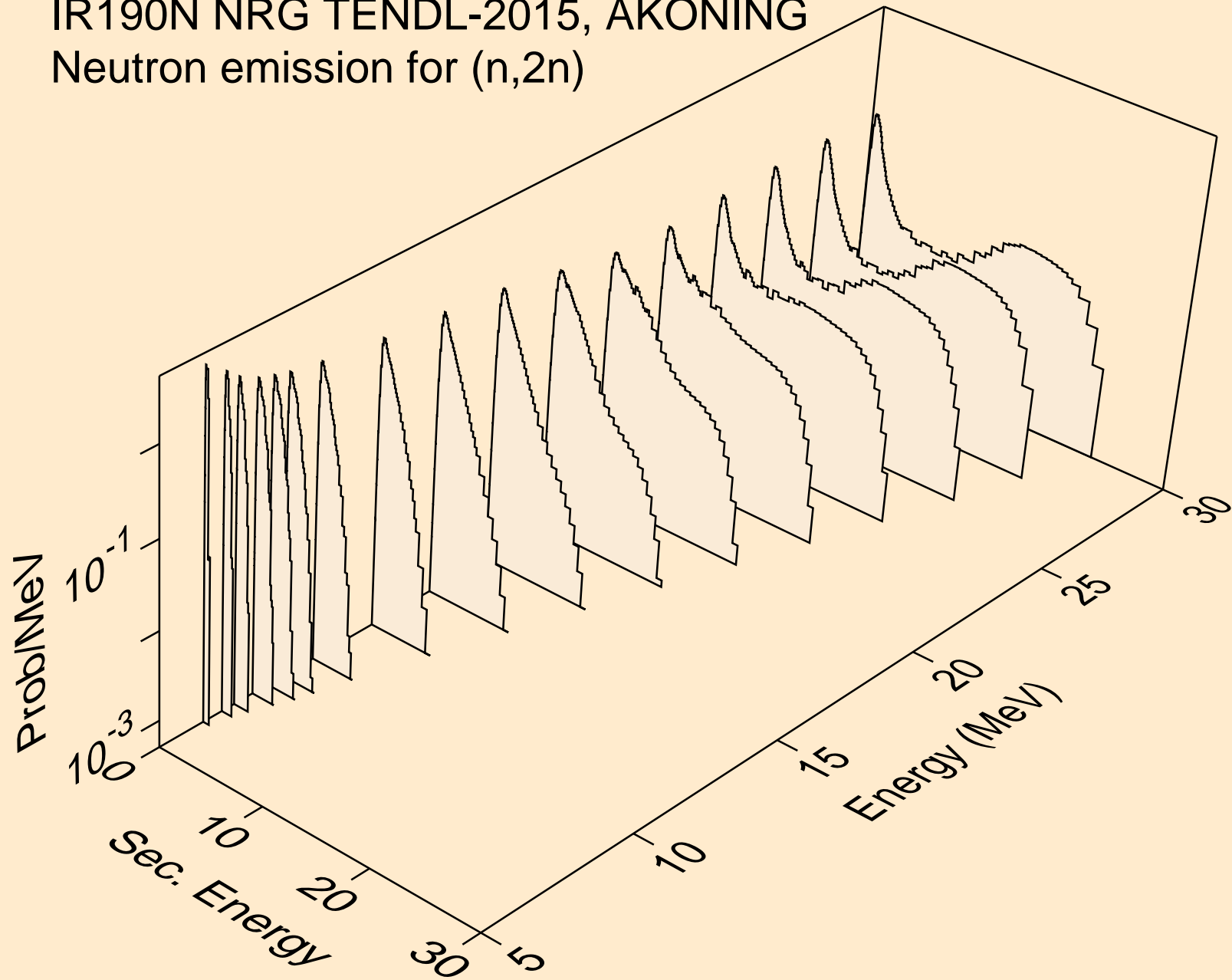
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



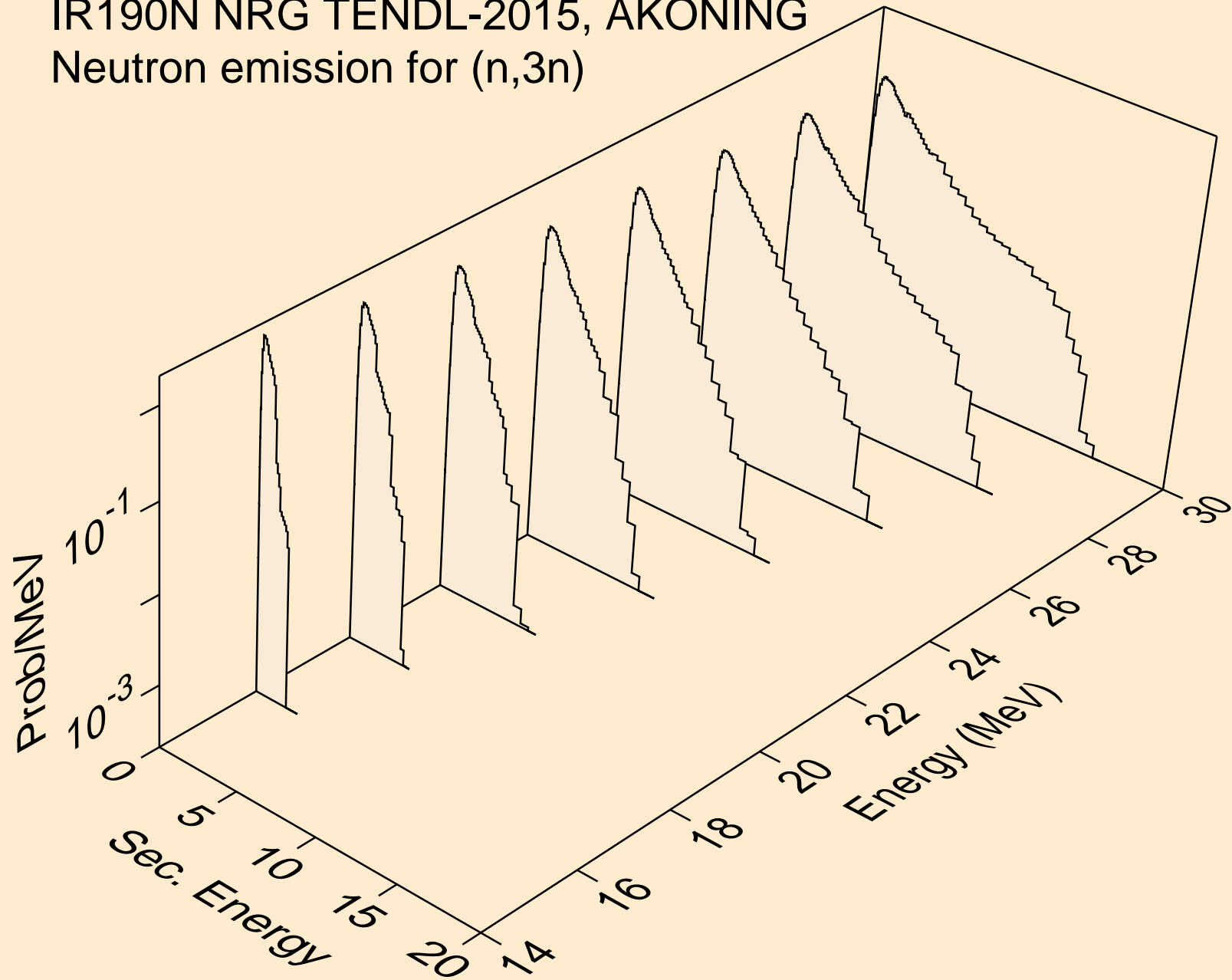
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



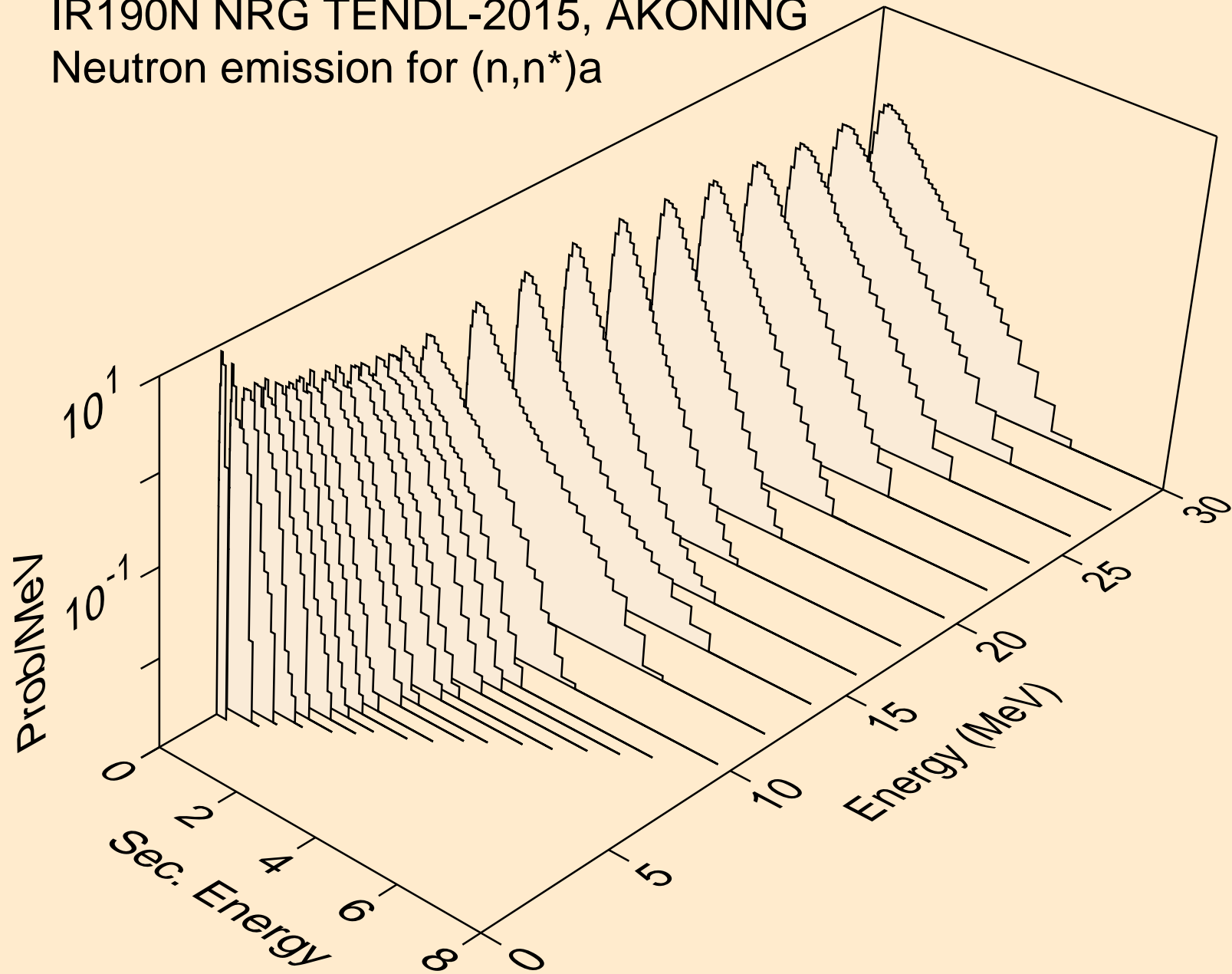
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



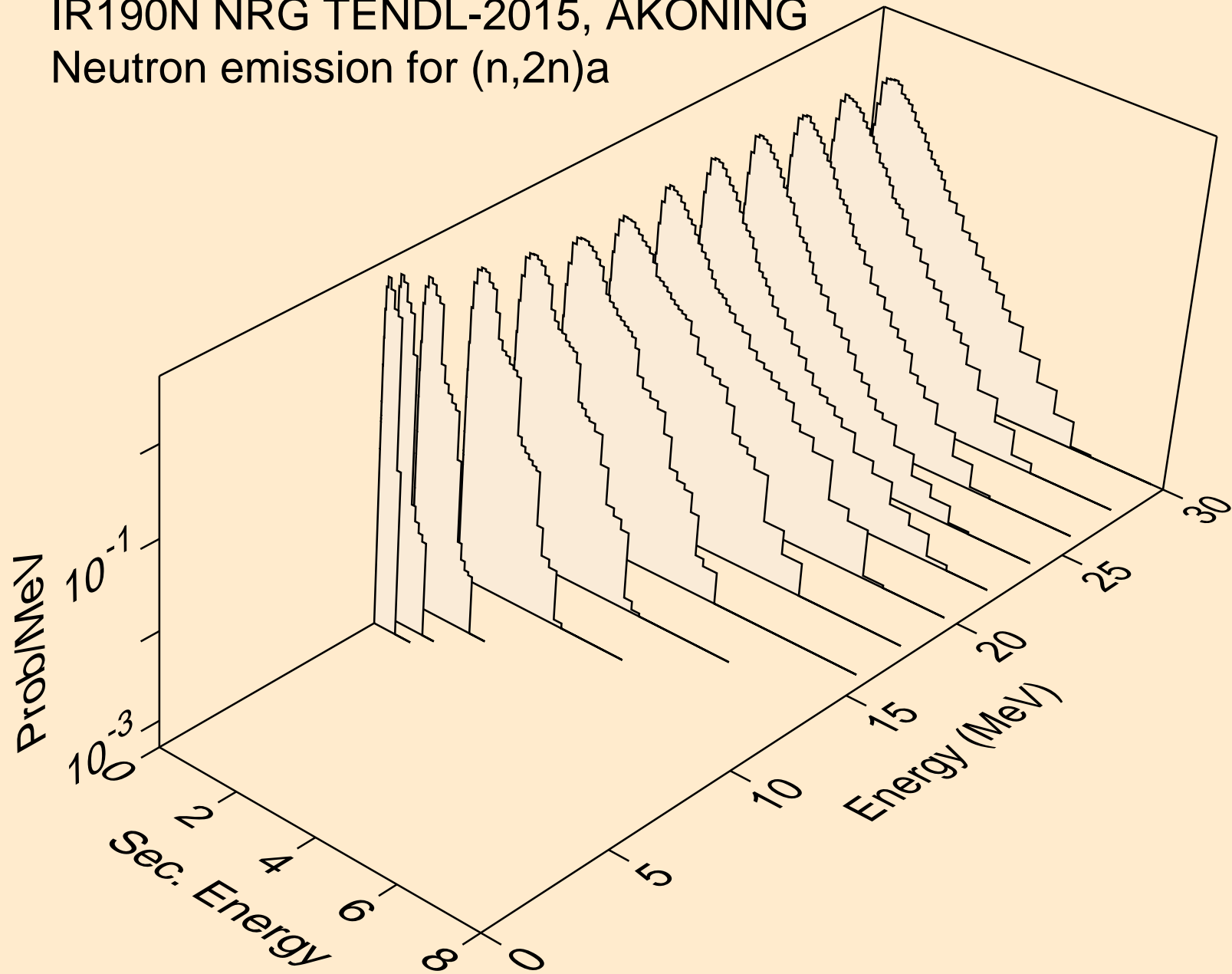
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

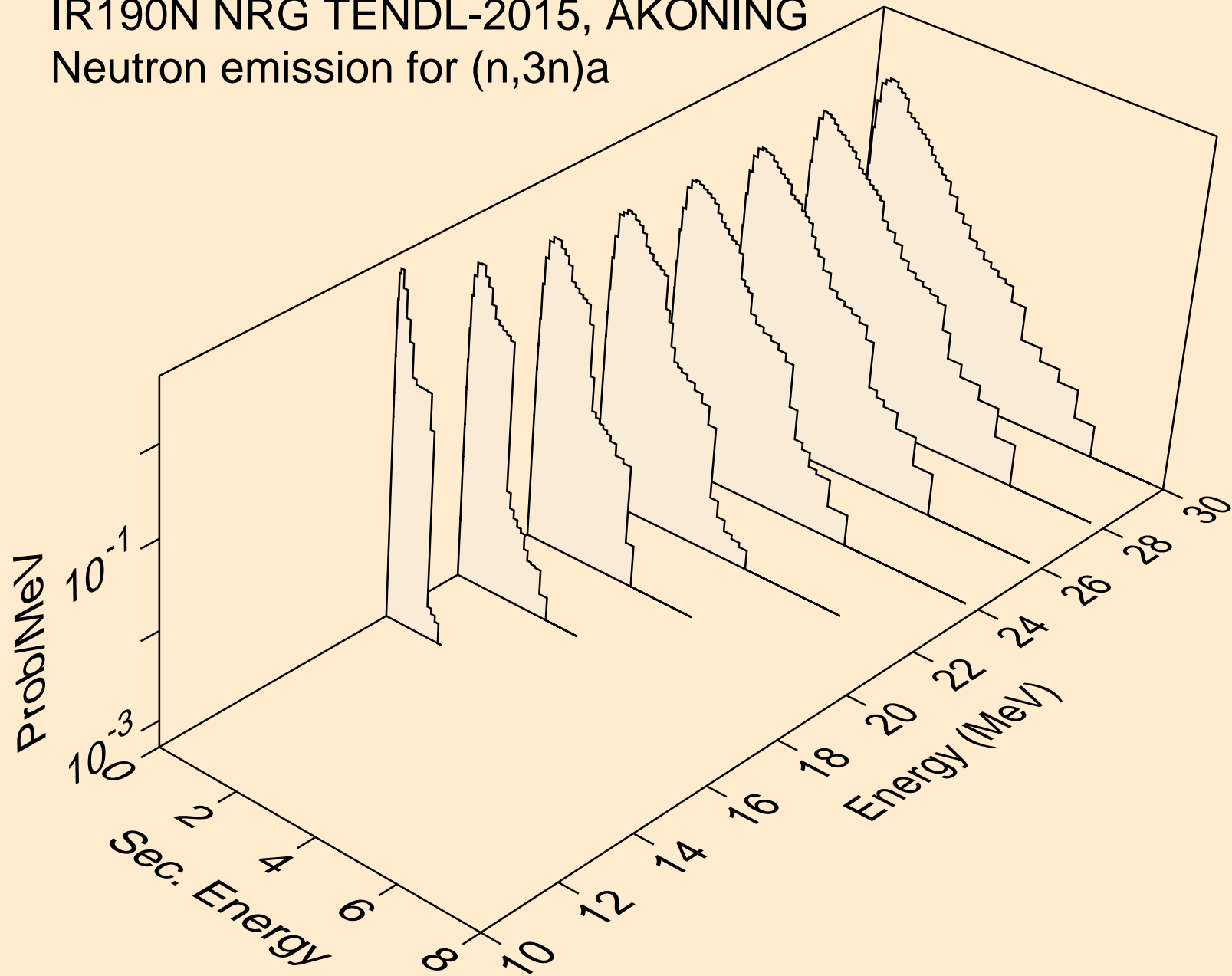


IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

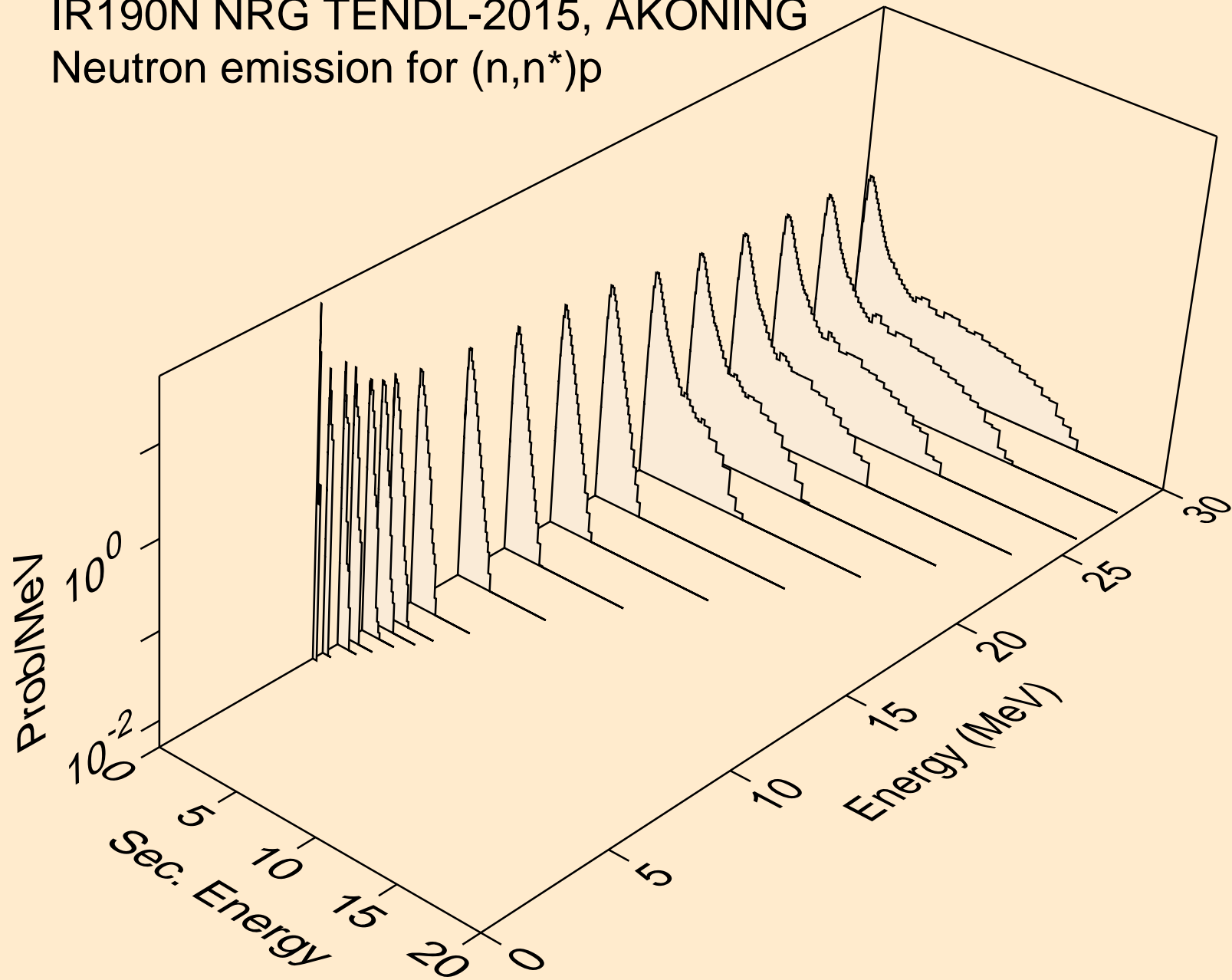




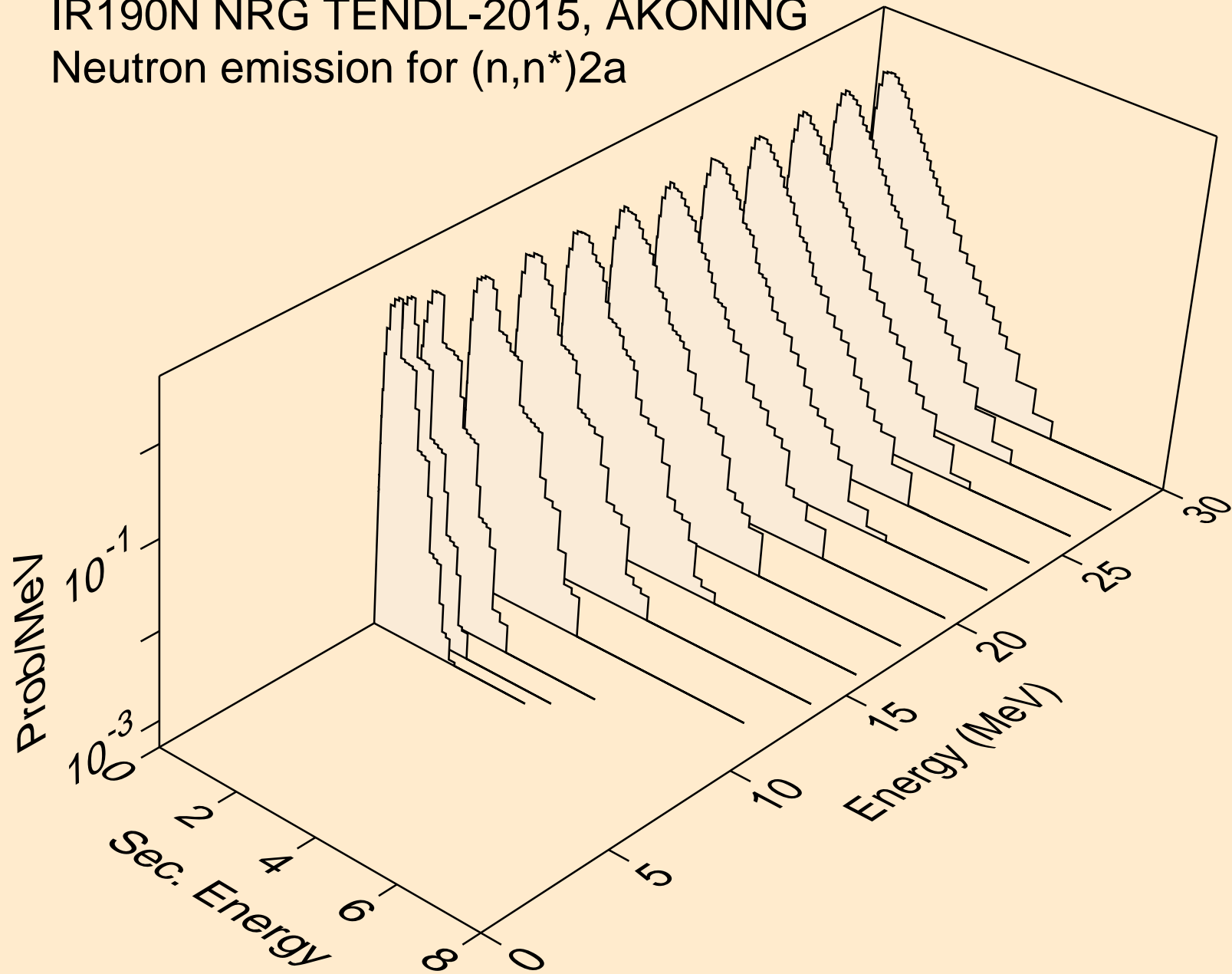
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)<sub>a</sub>



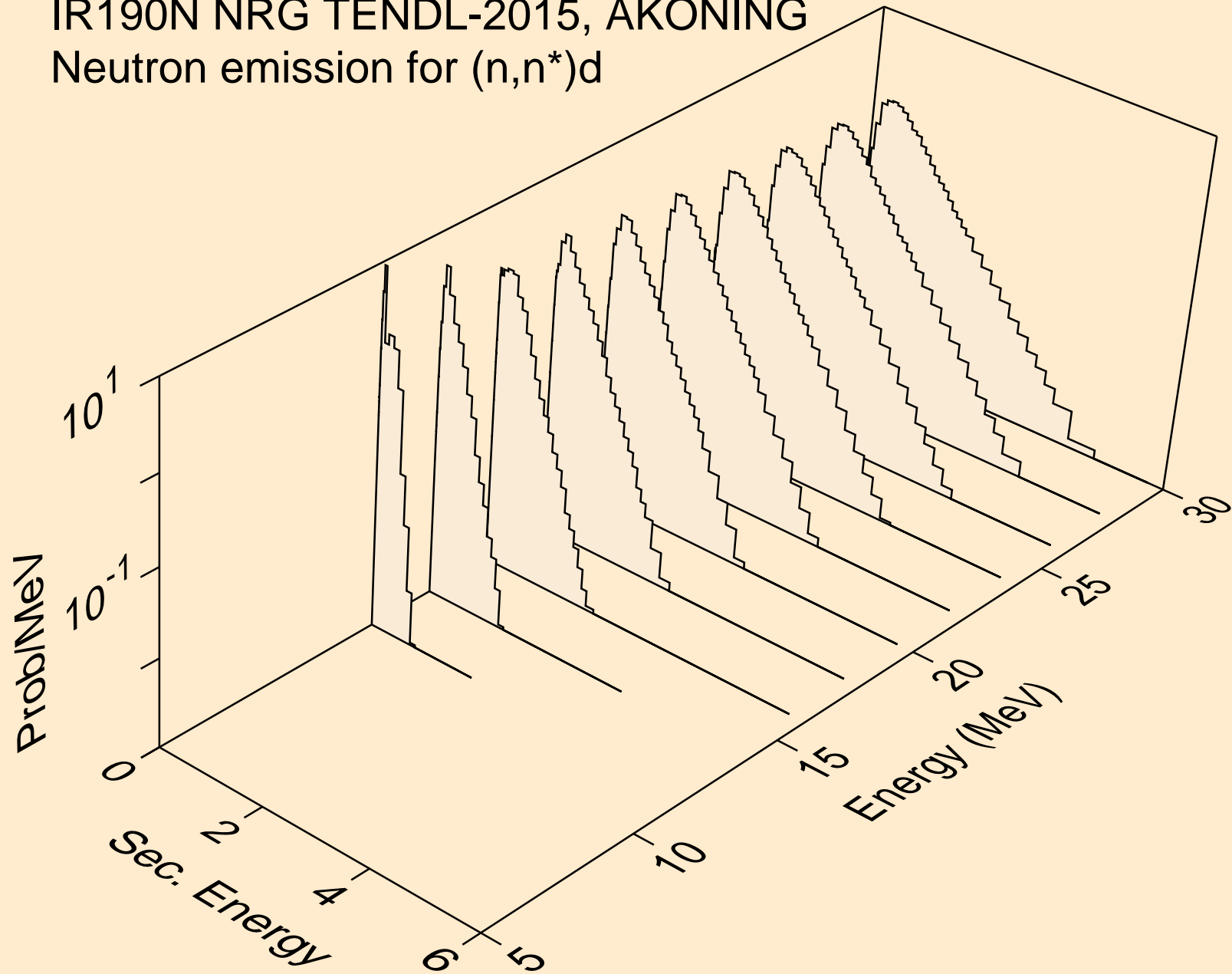
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



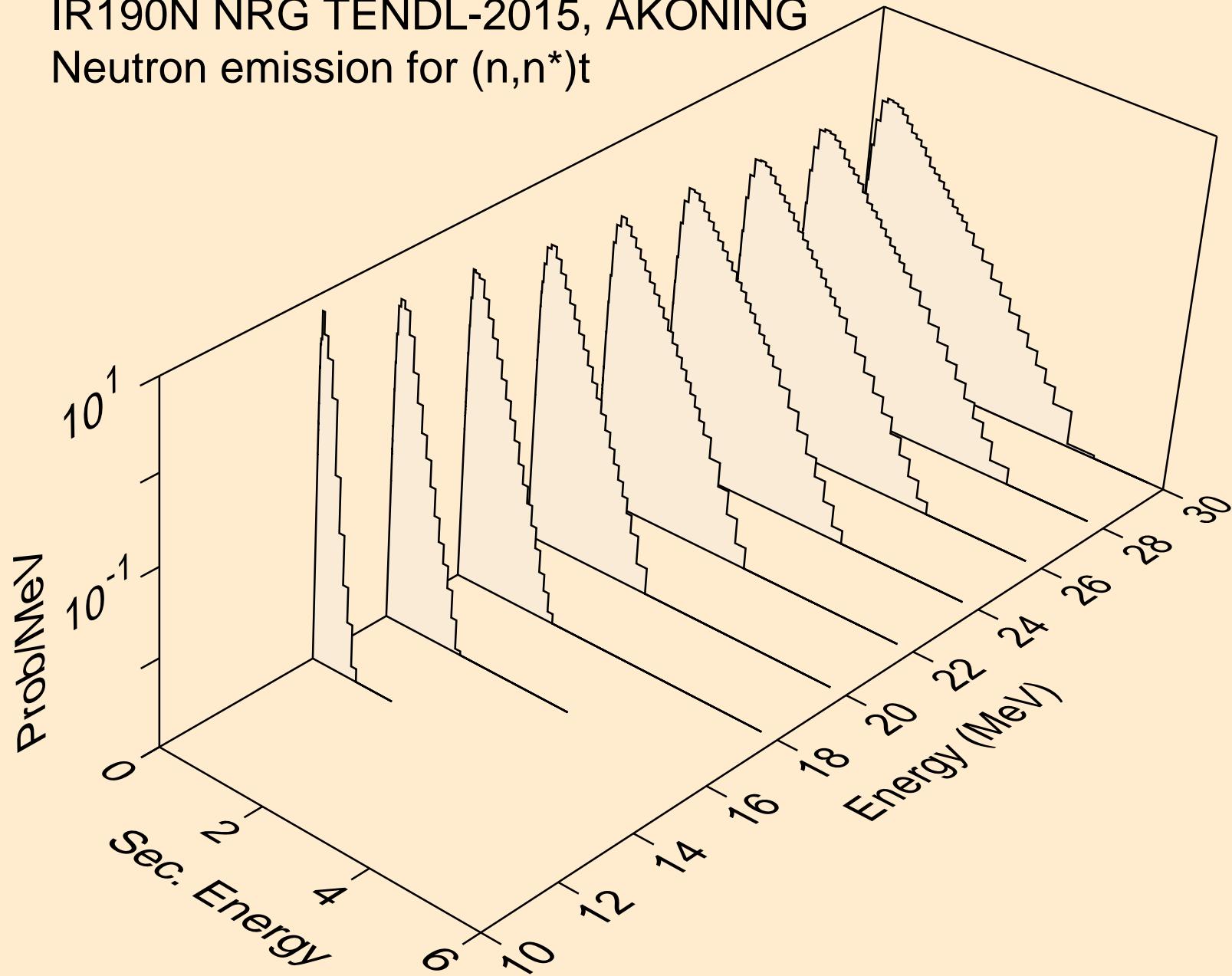
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



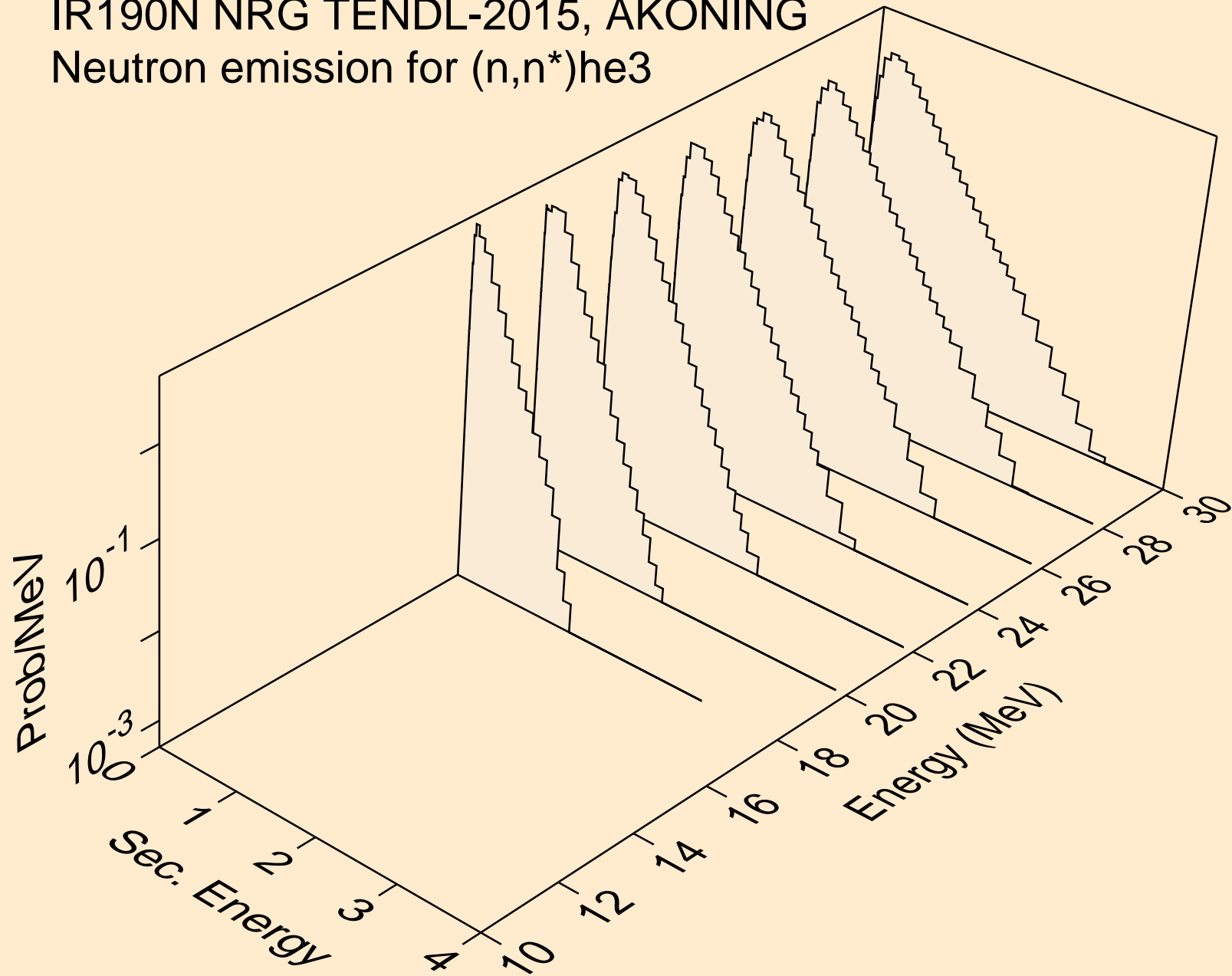
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



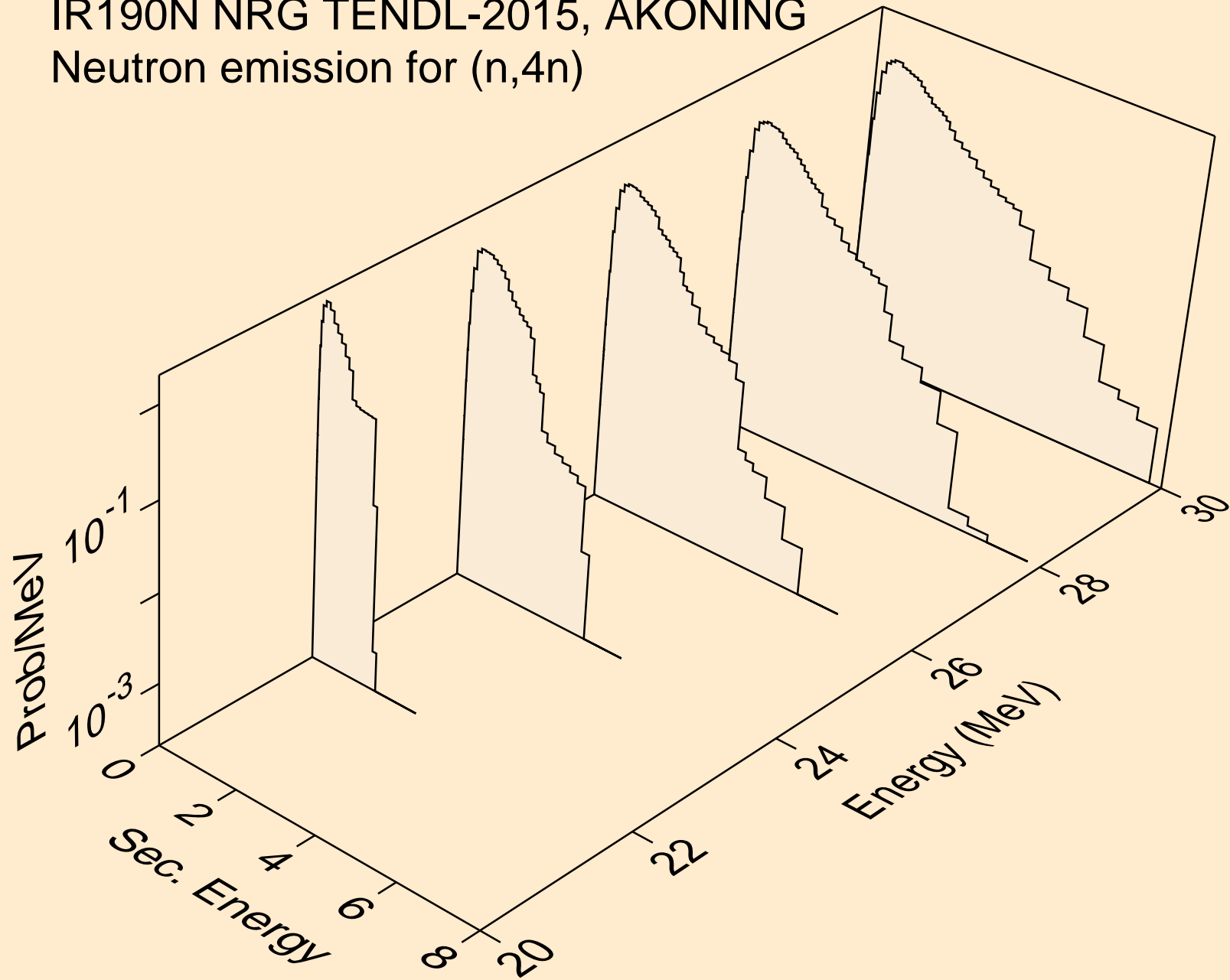
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



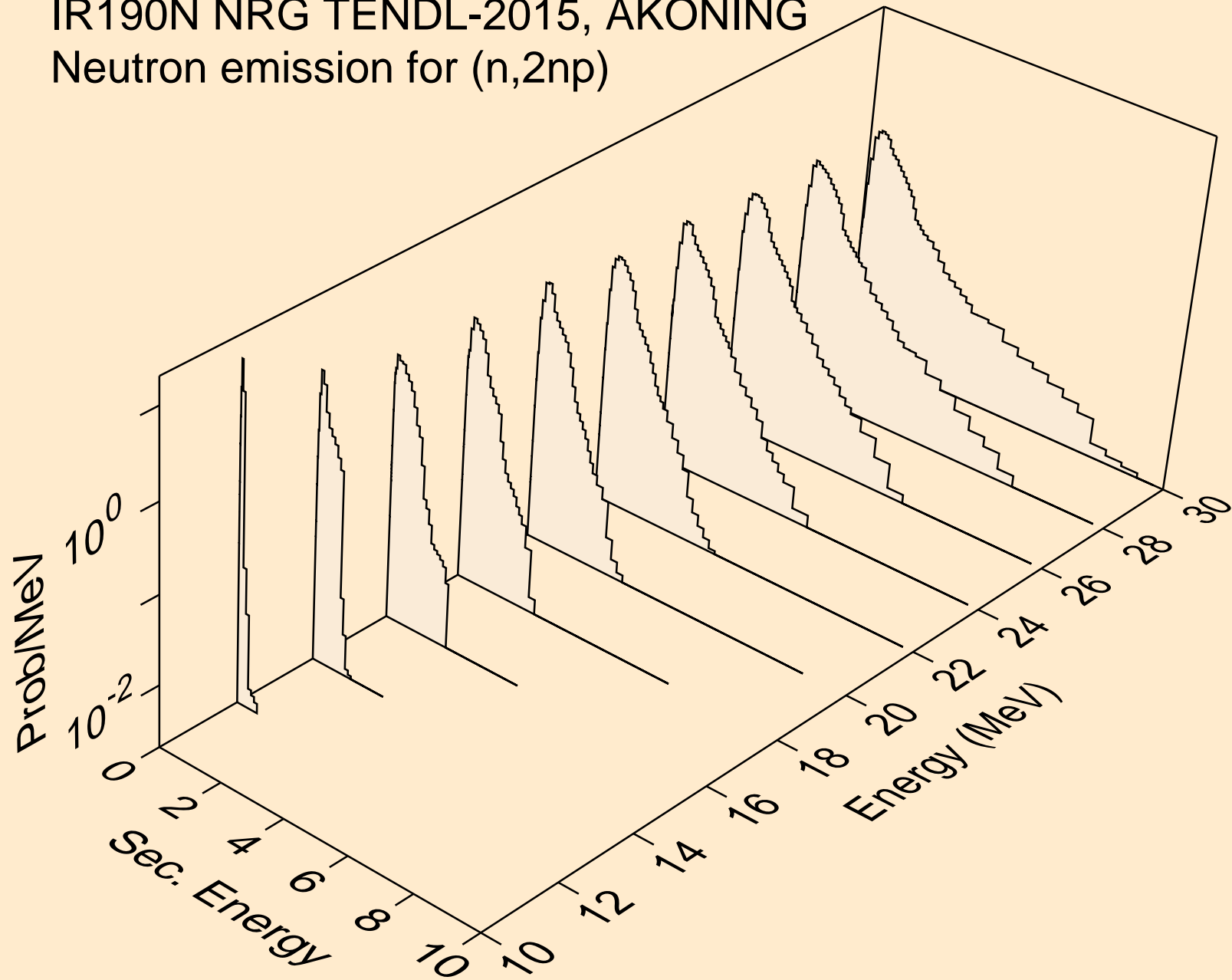
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

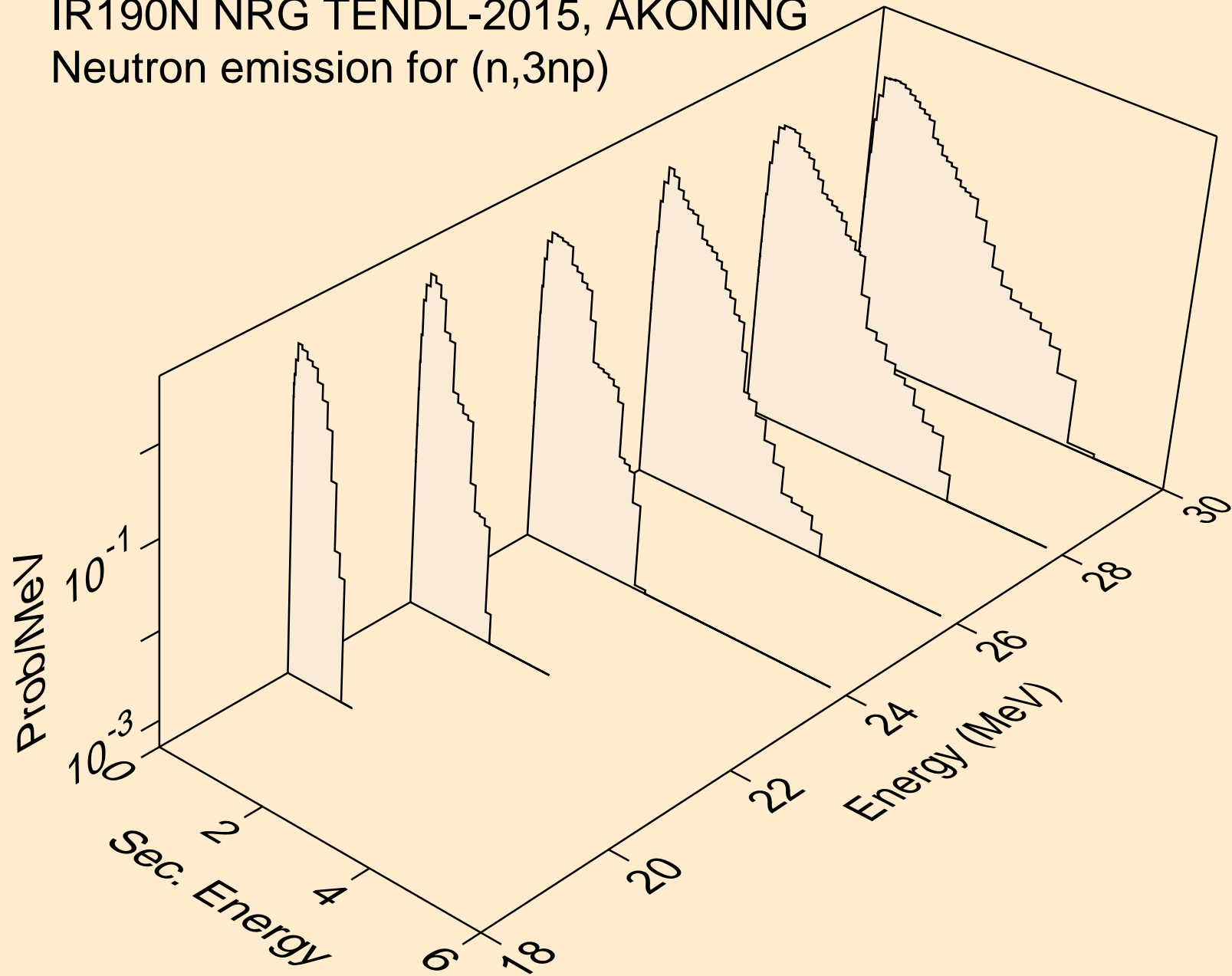


IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

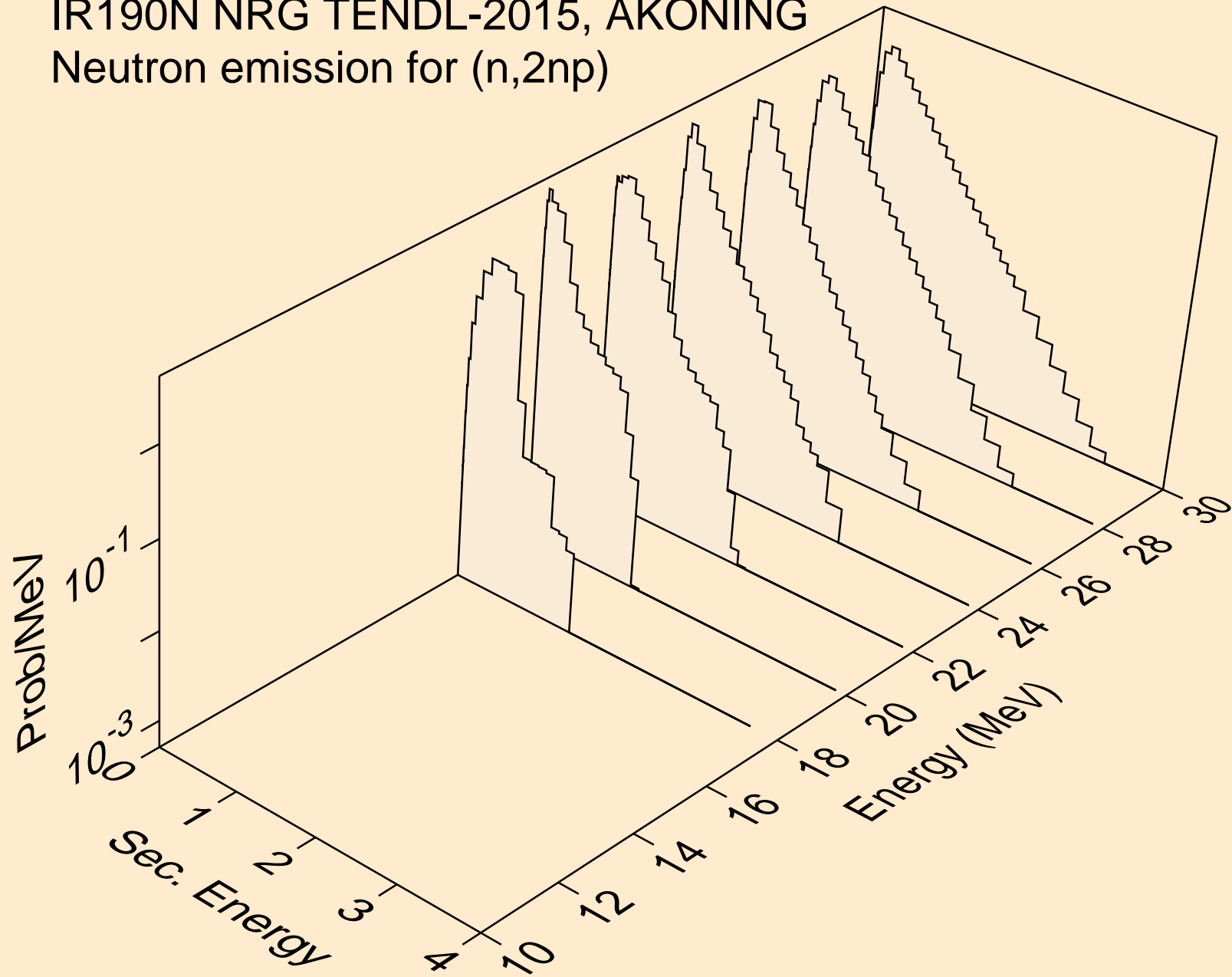




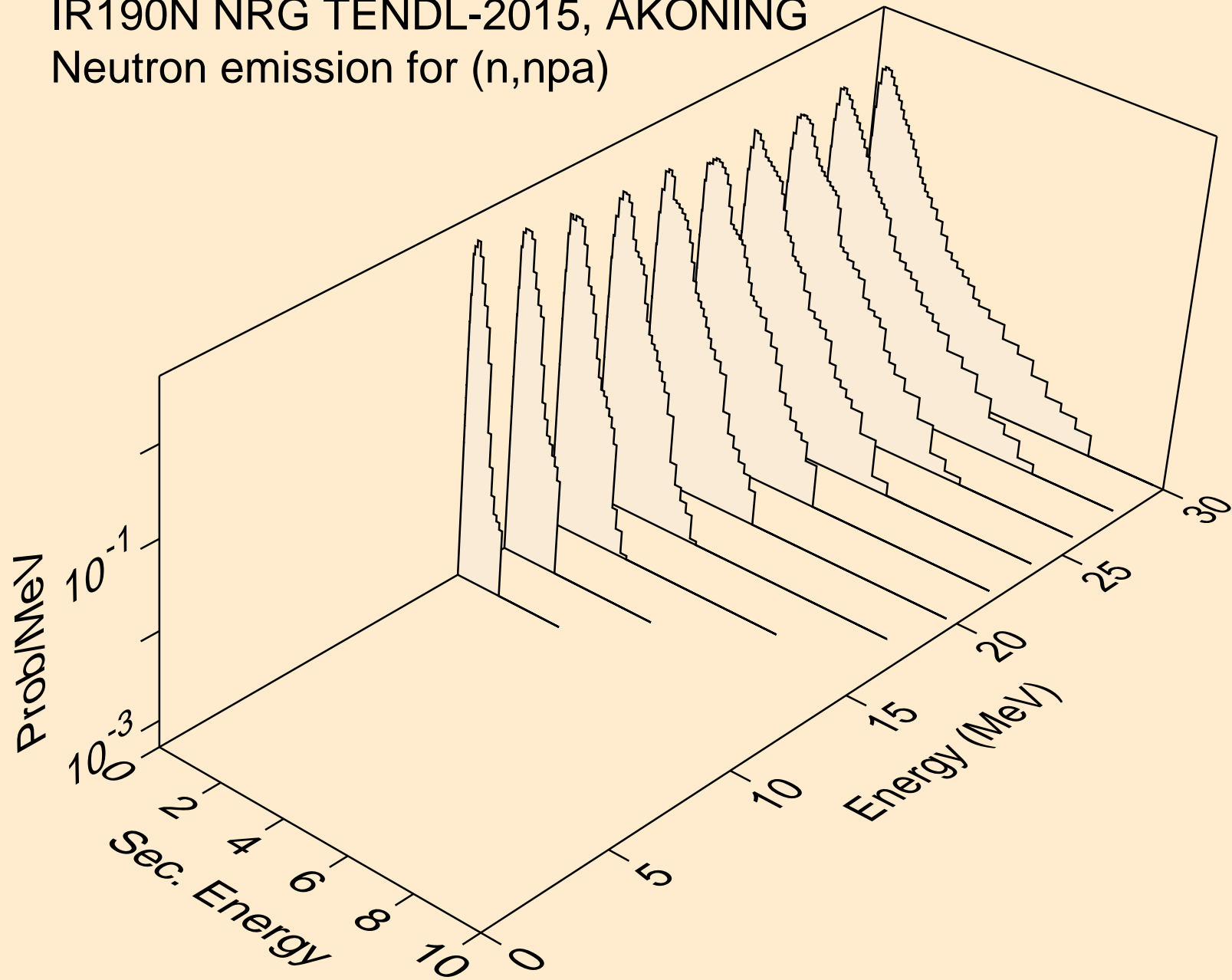
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



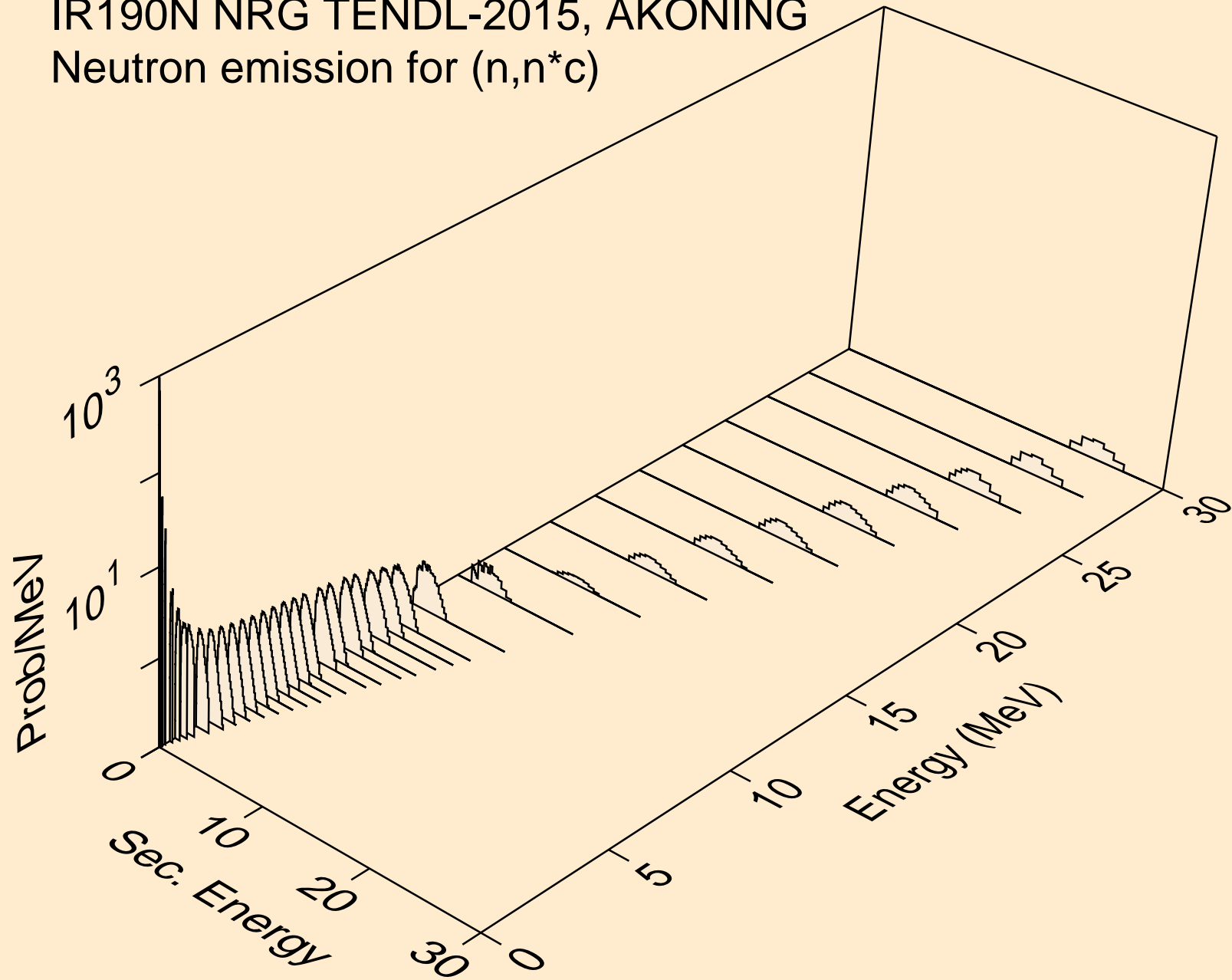
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



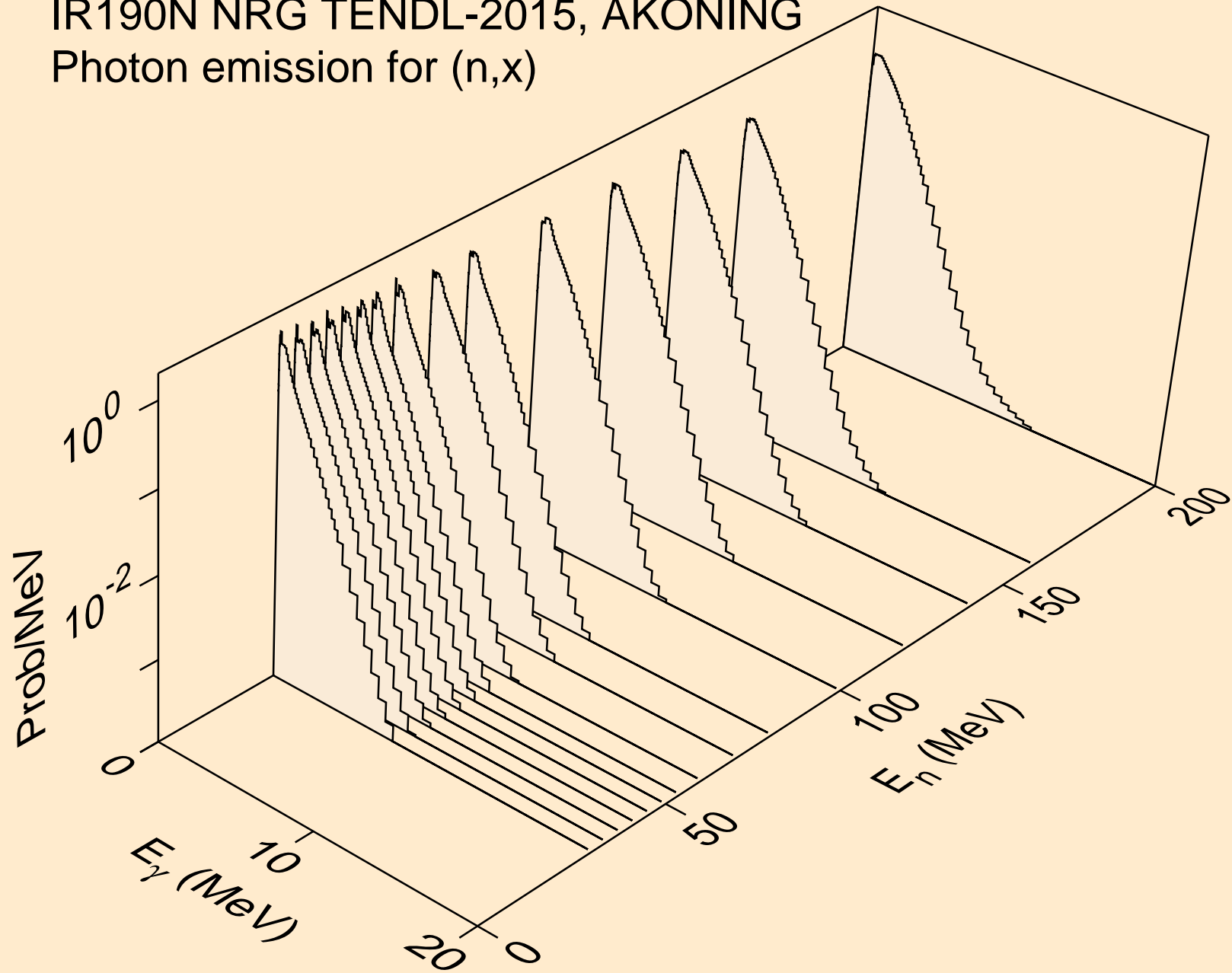
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



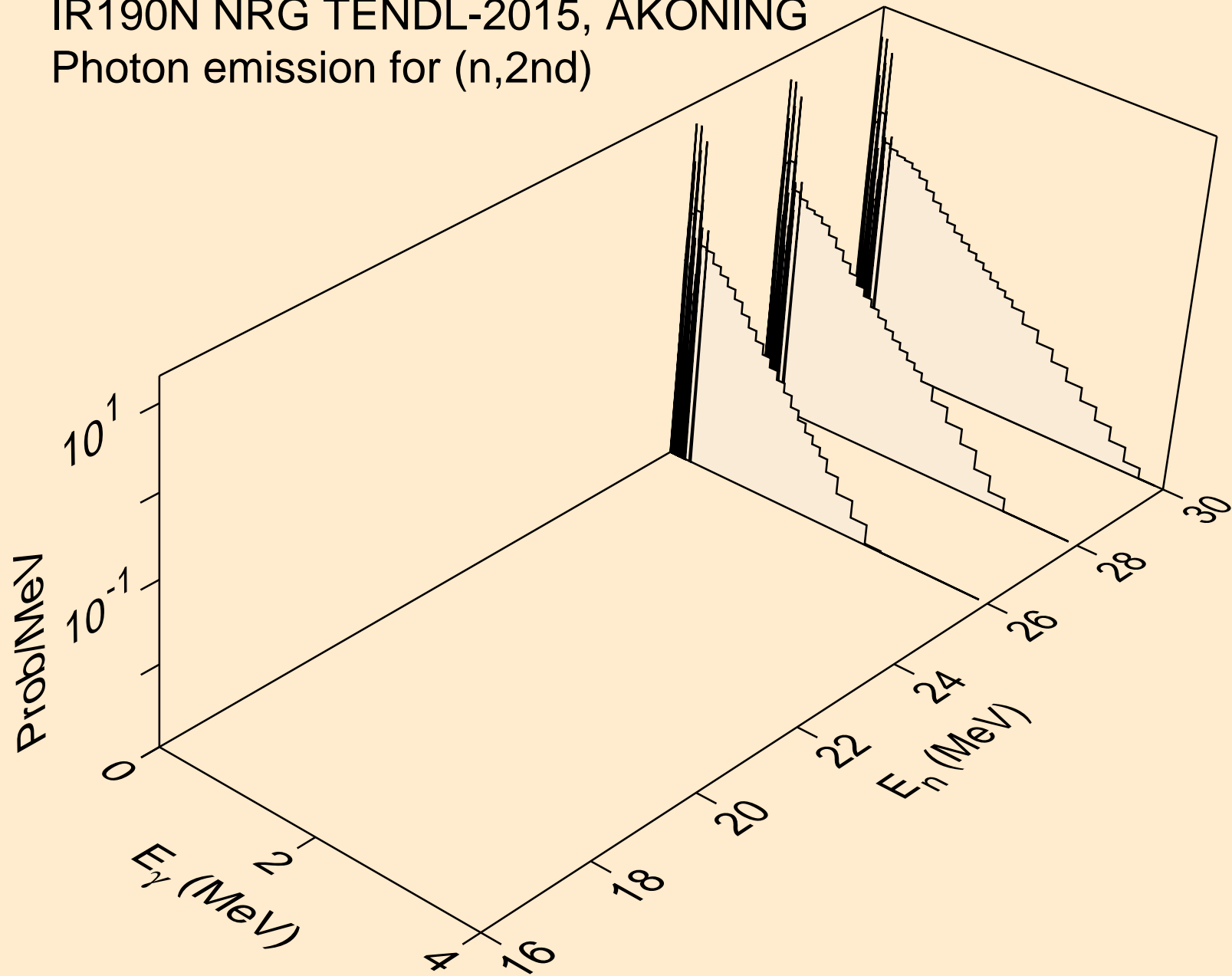
IR190N NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



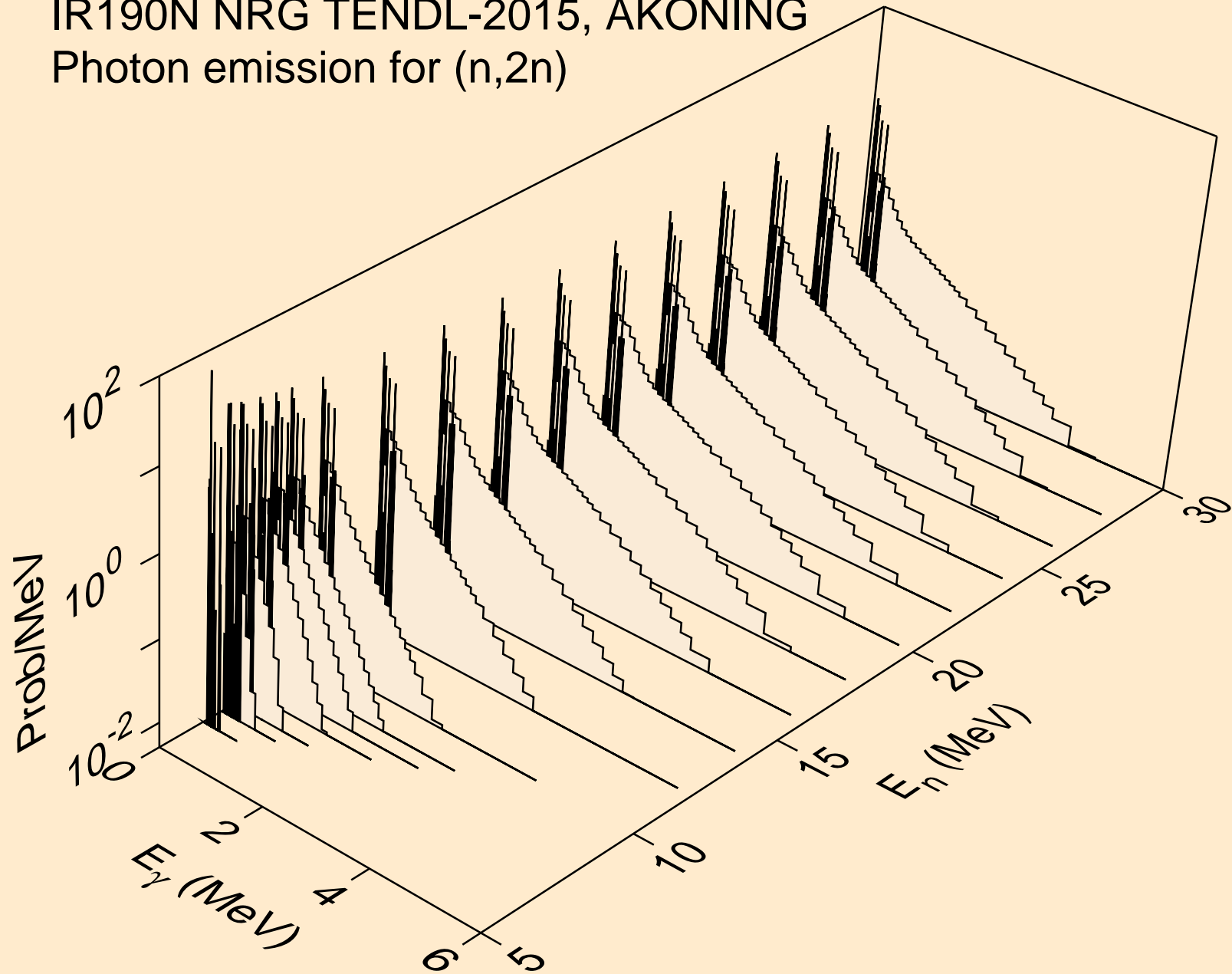
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,x)



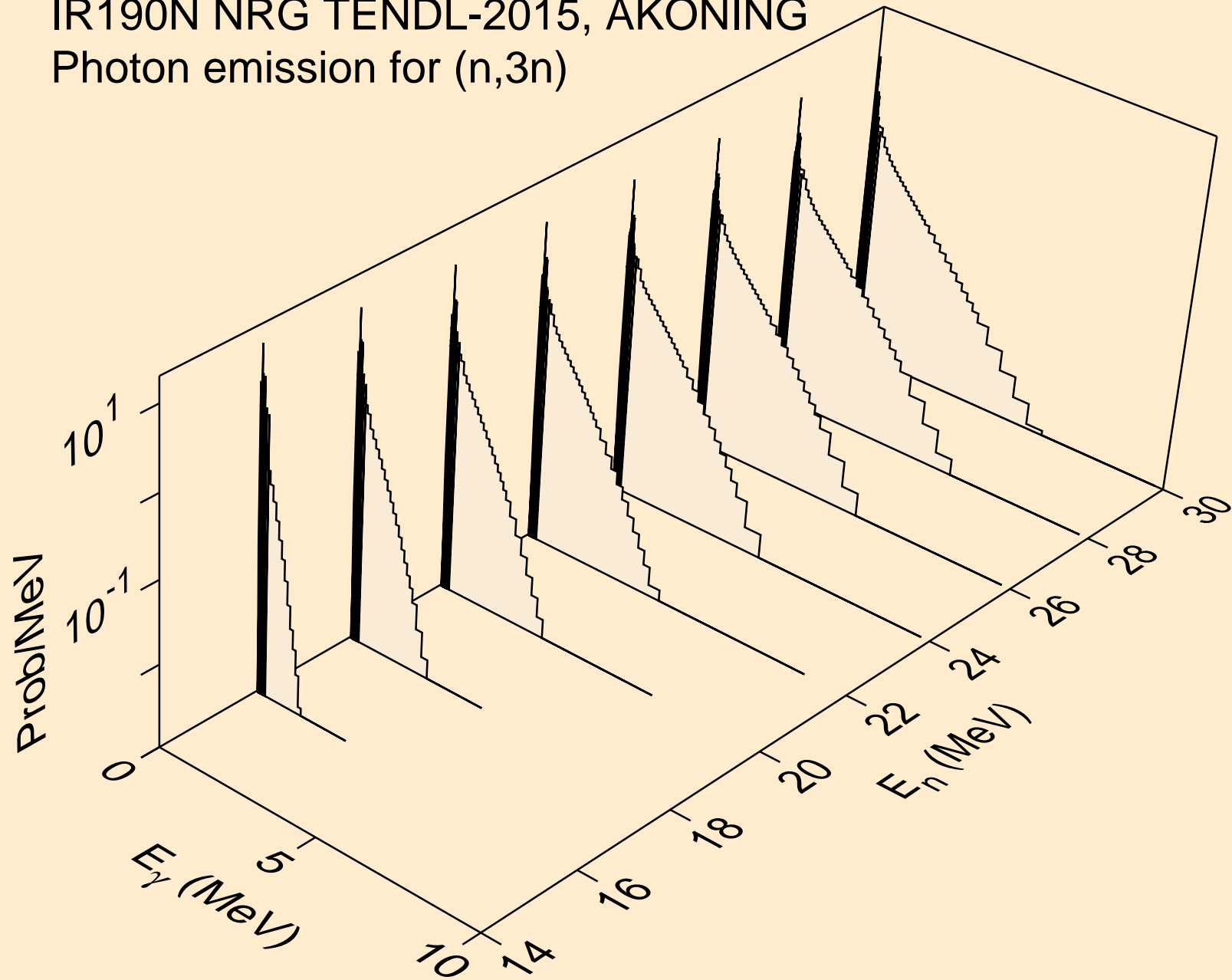
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

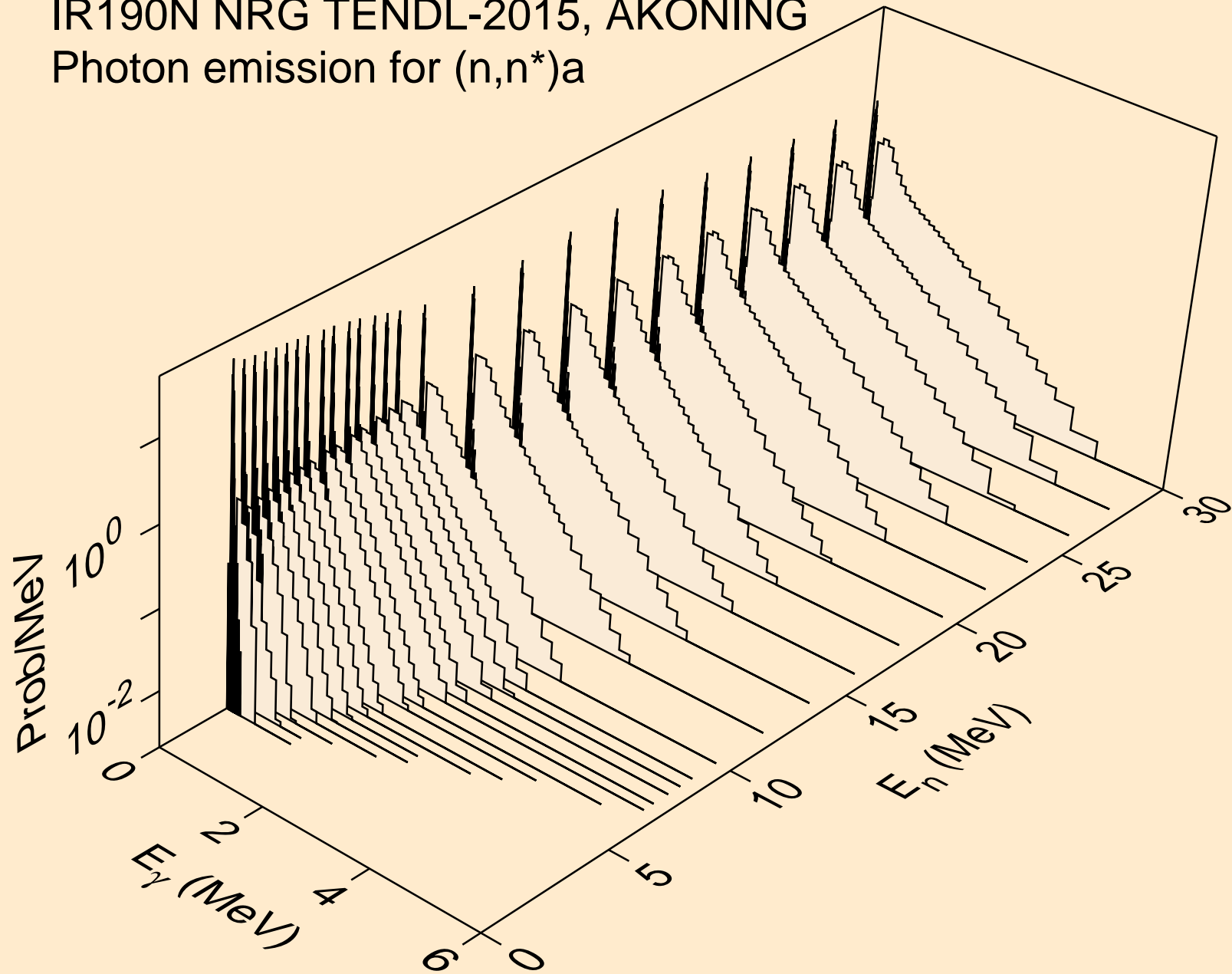


IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

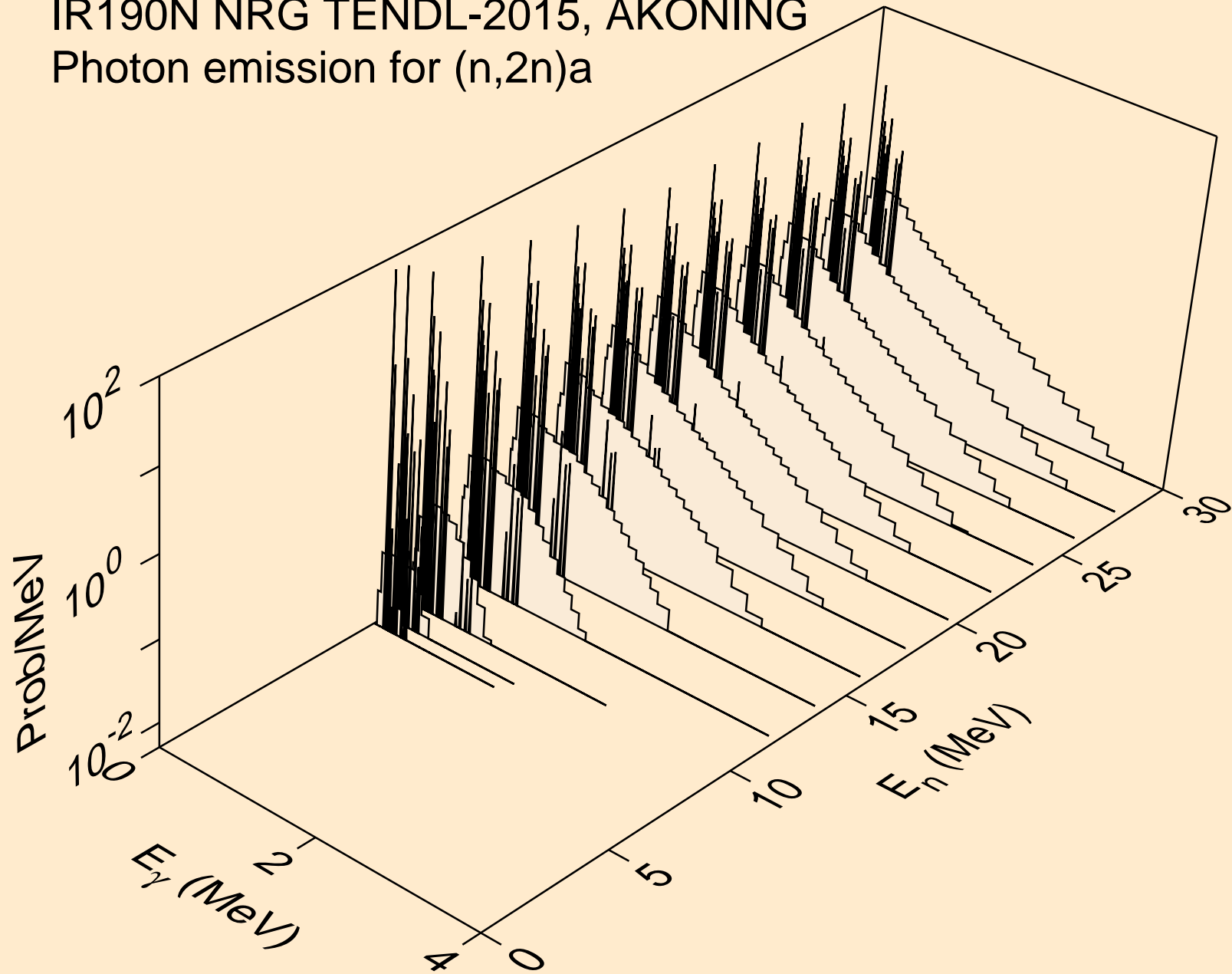




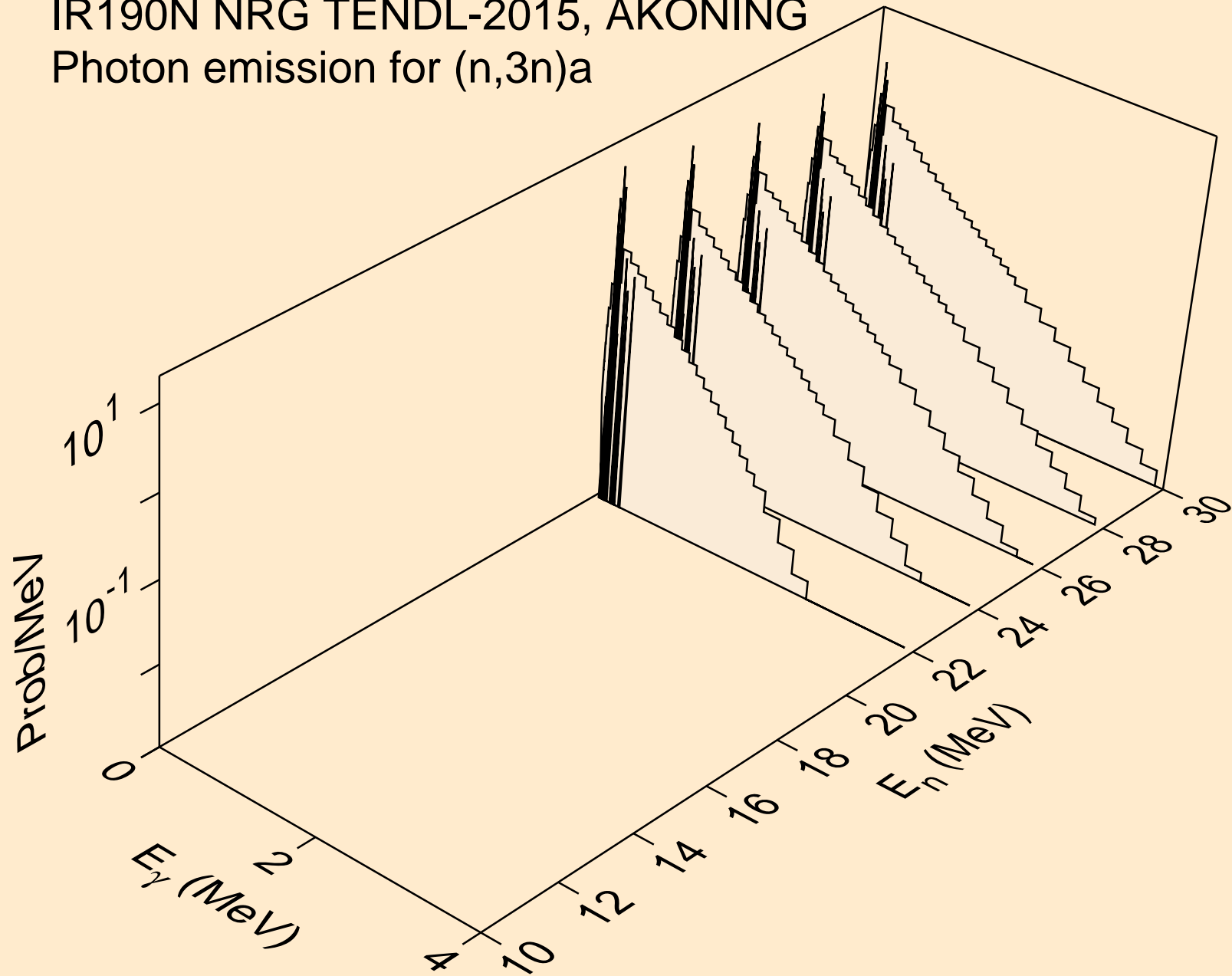
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



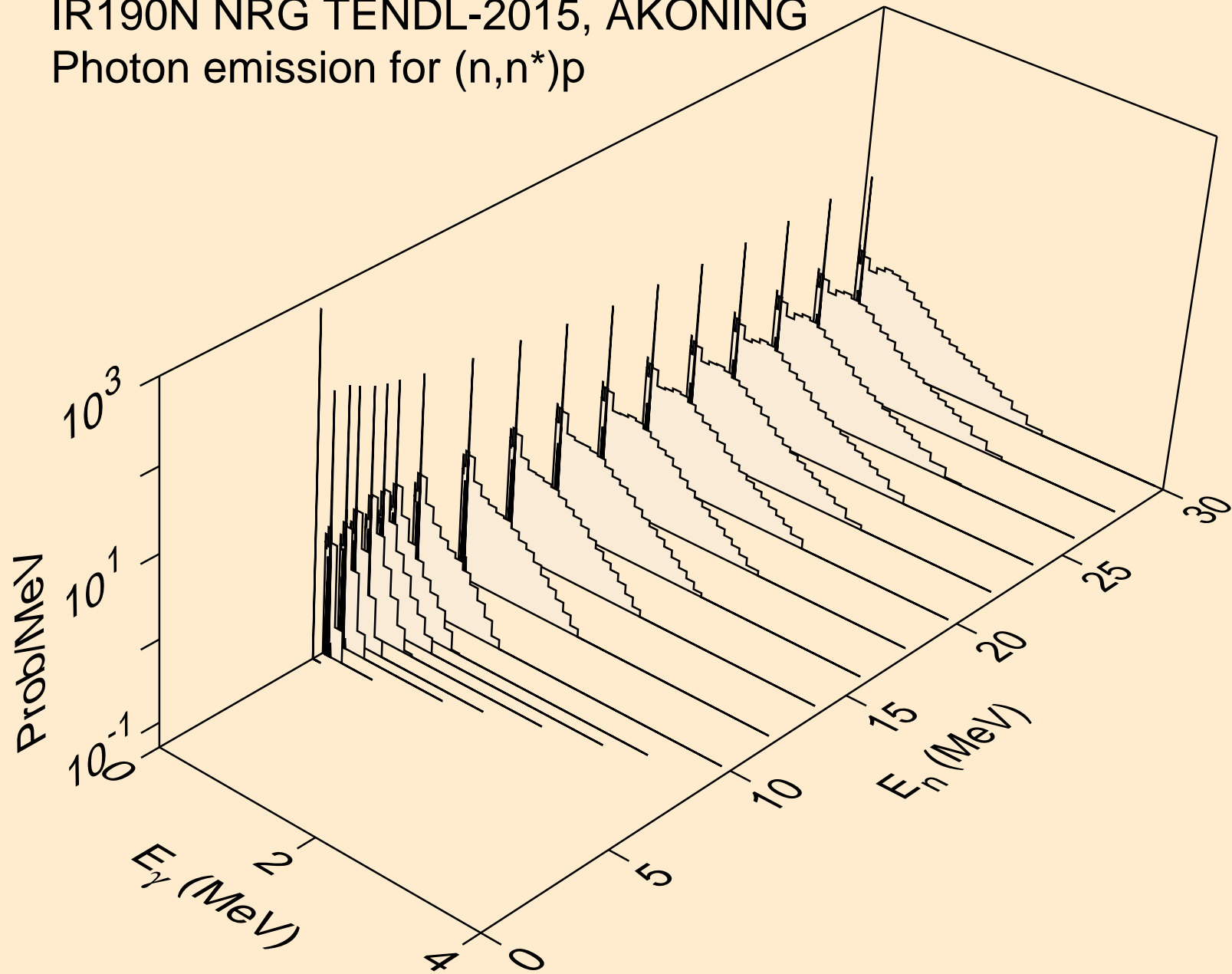
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



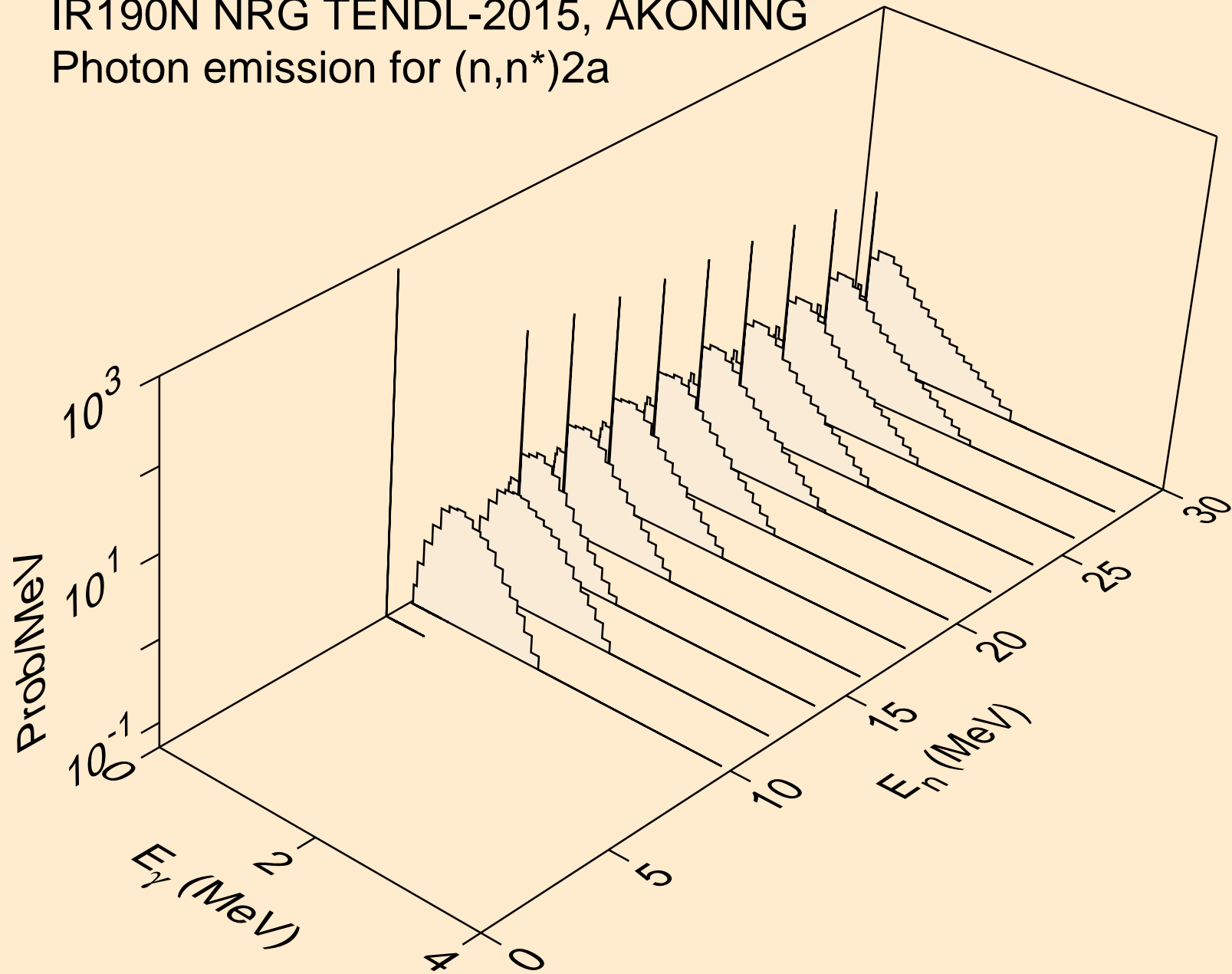
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



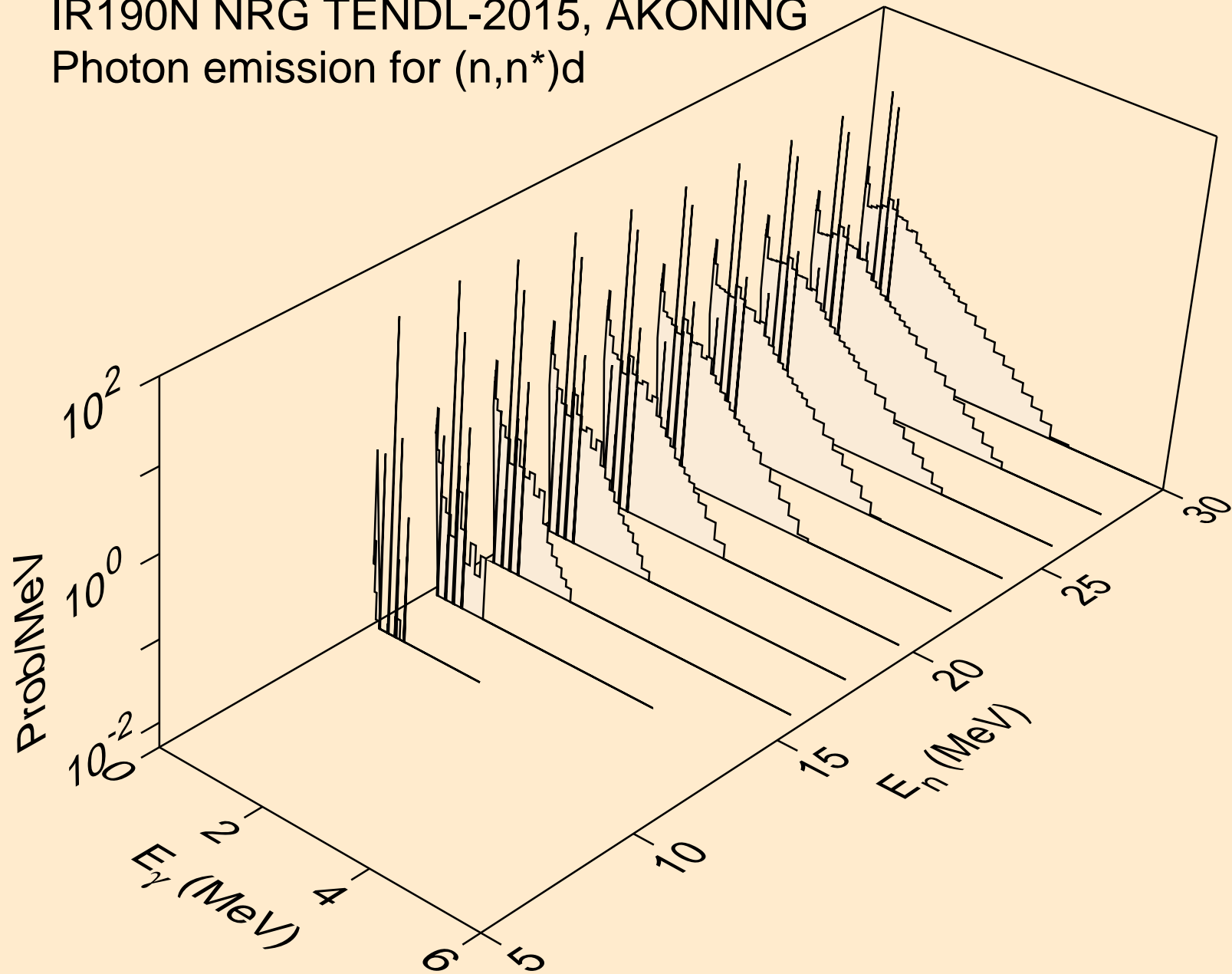
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



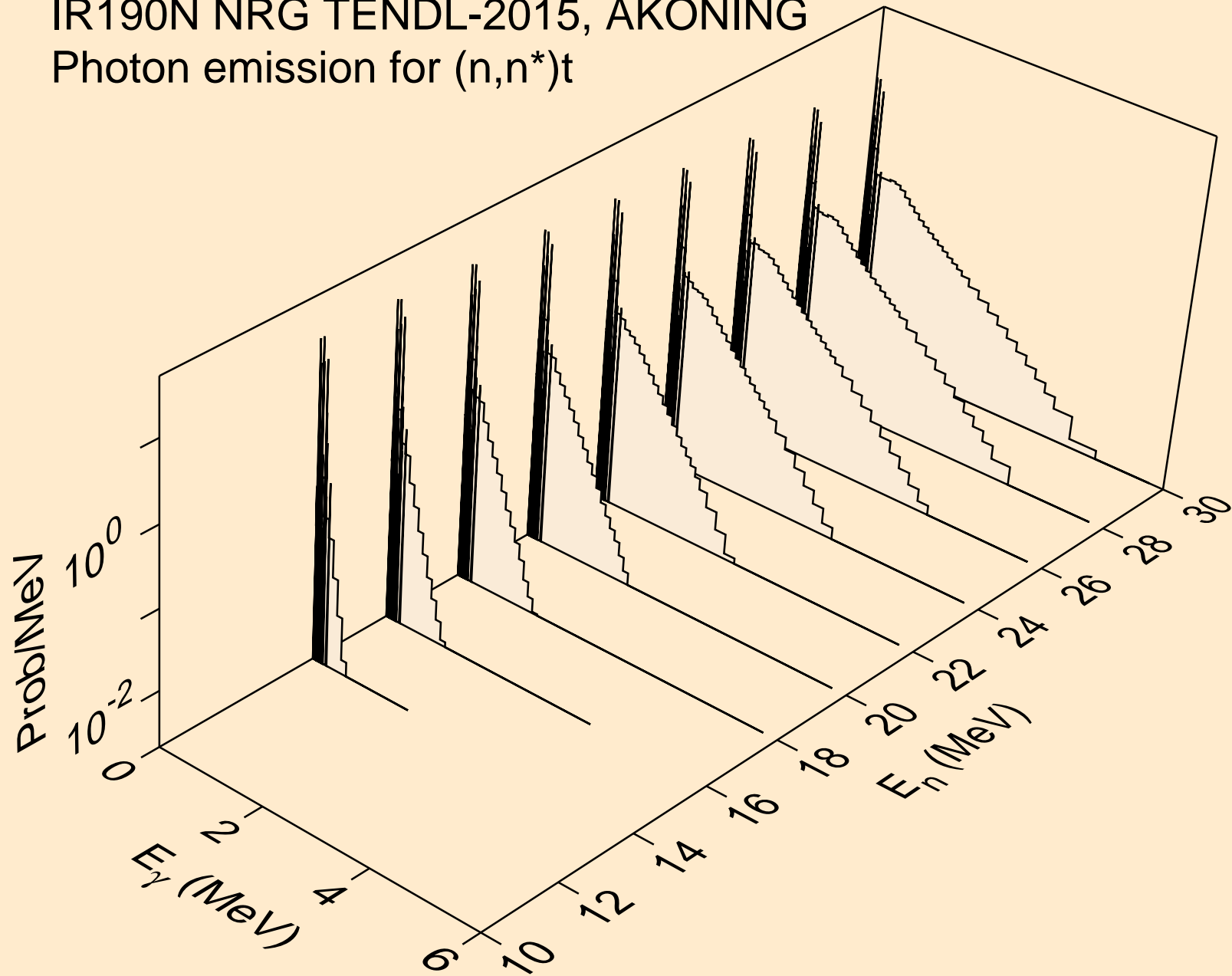
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



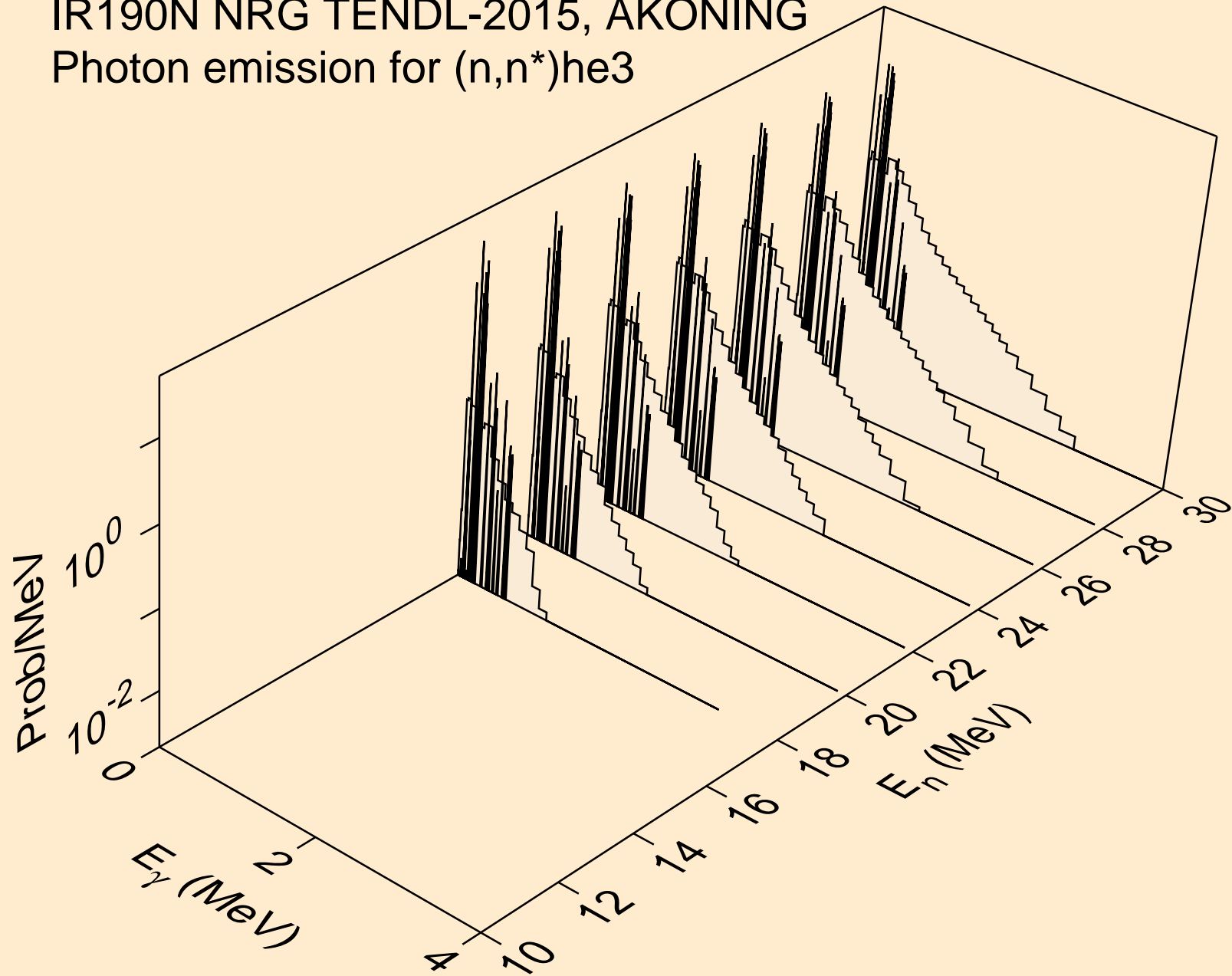
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

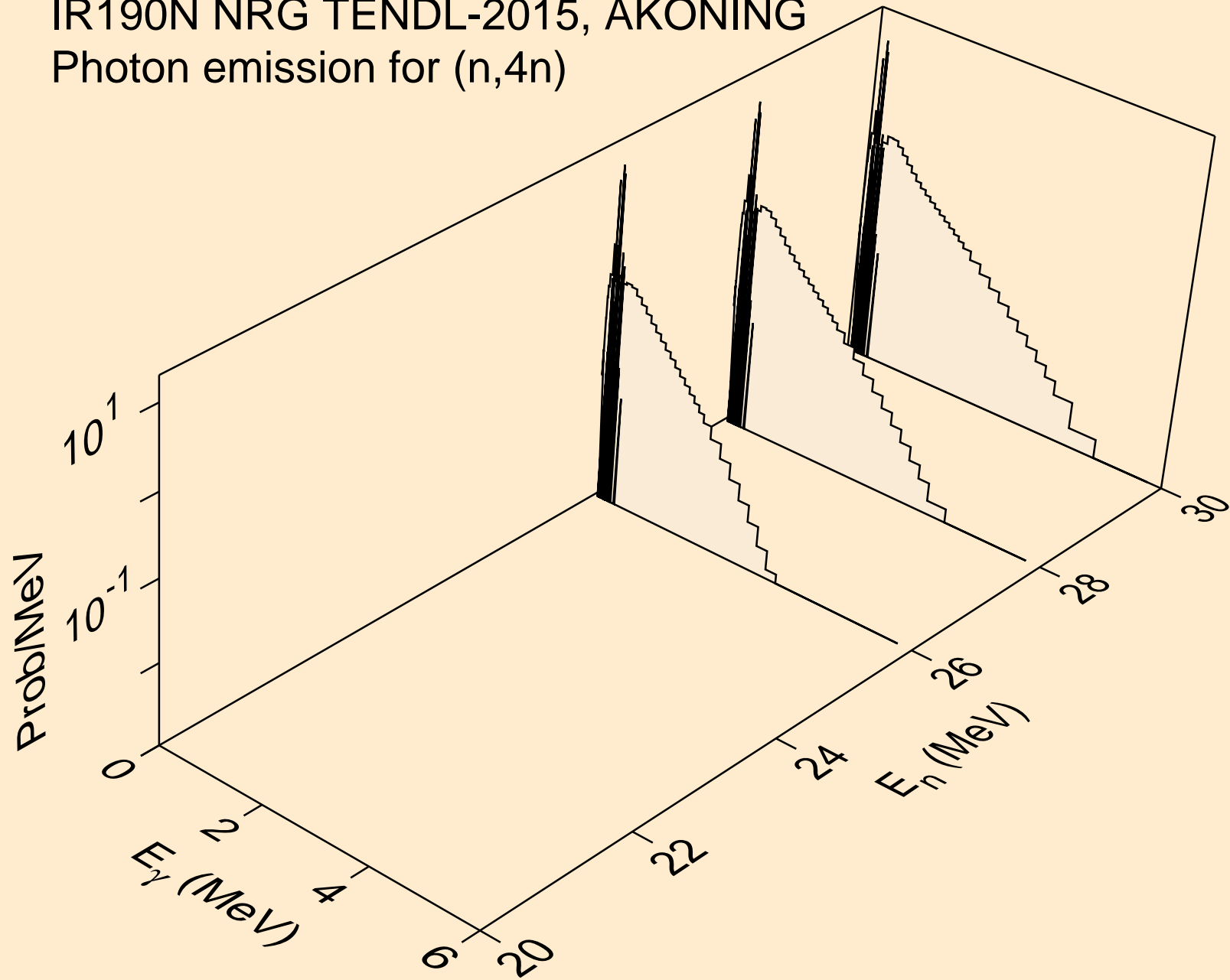


IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

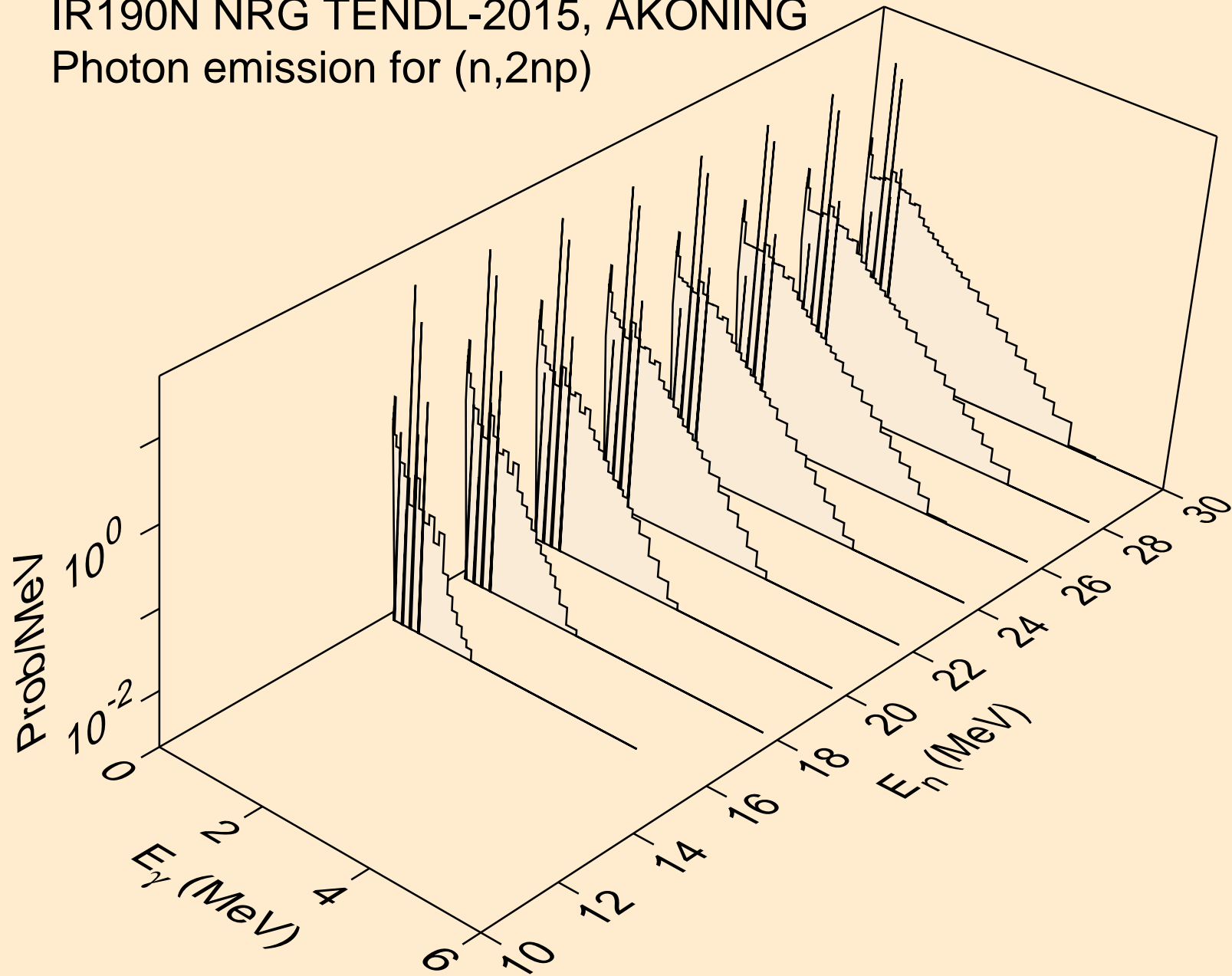




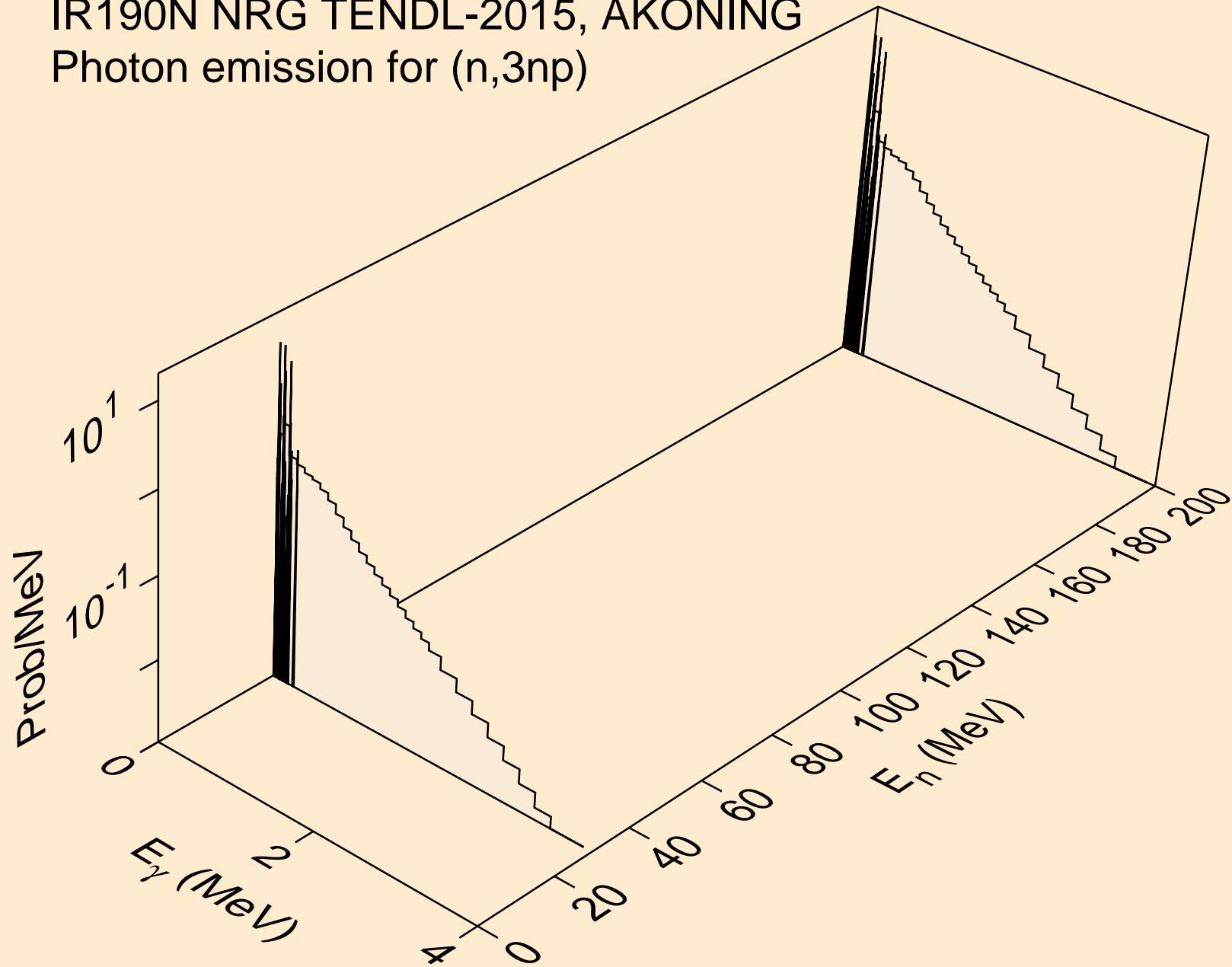
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



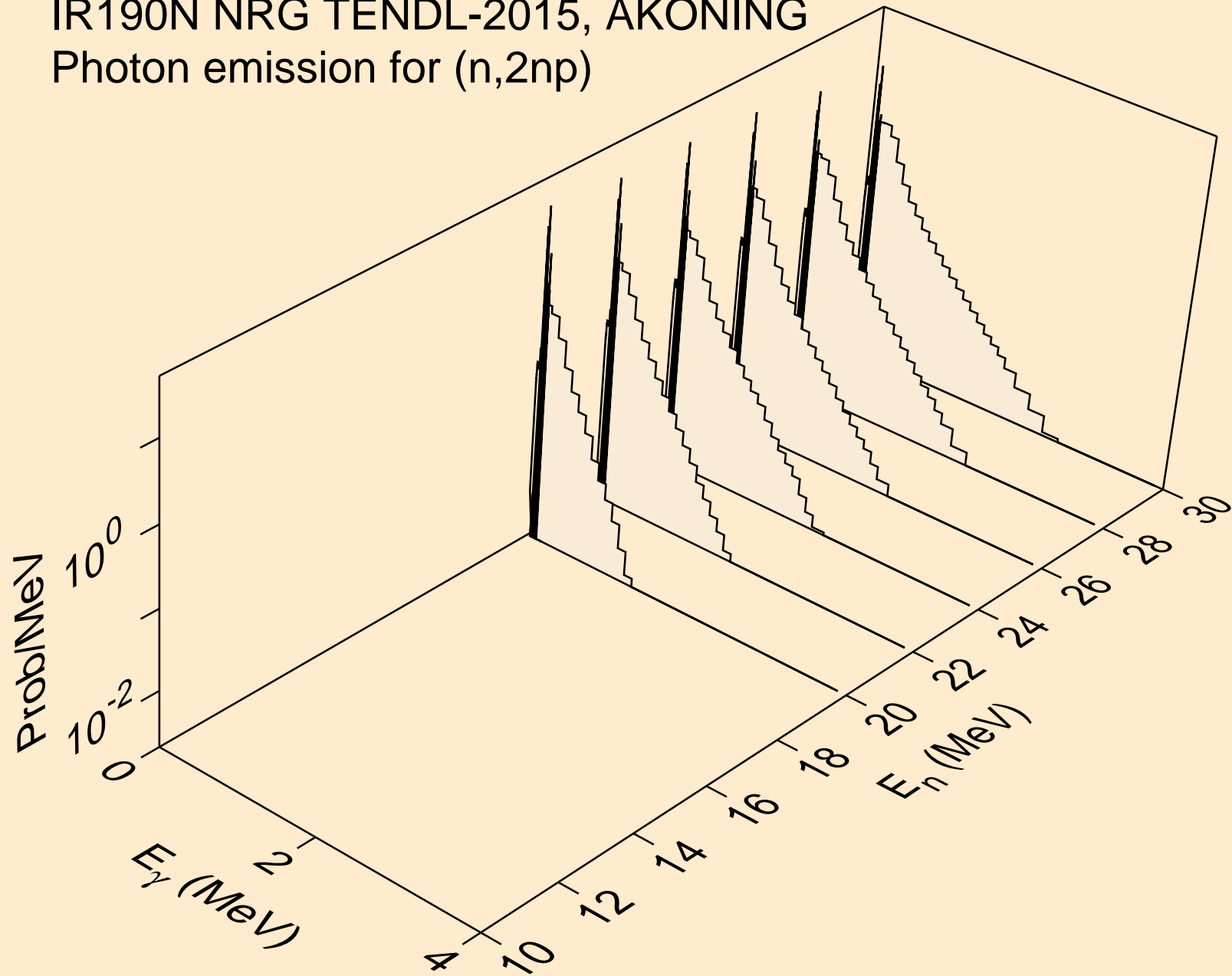
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



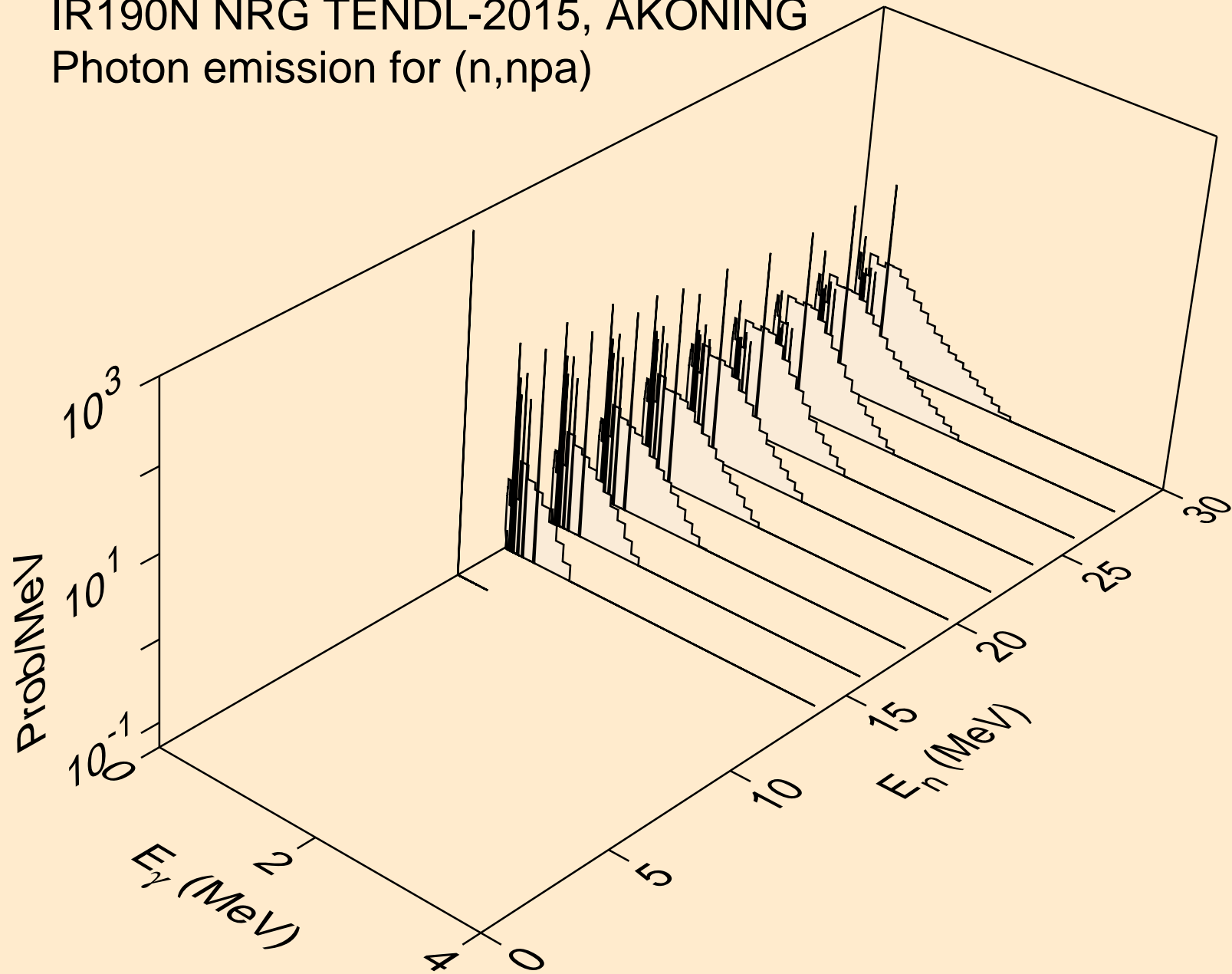
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



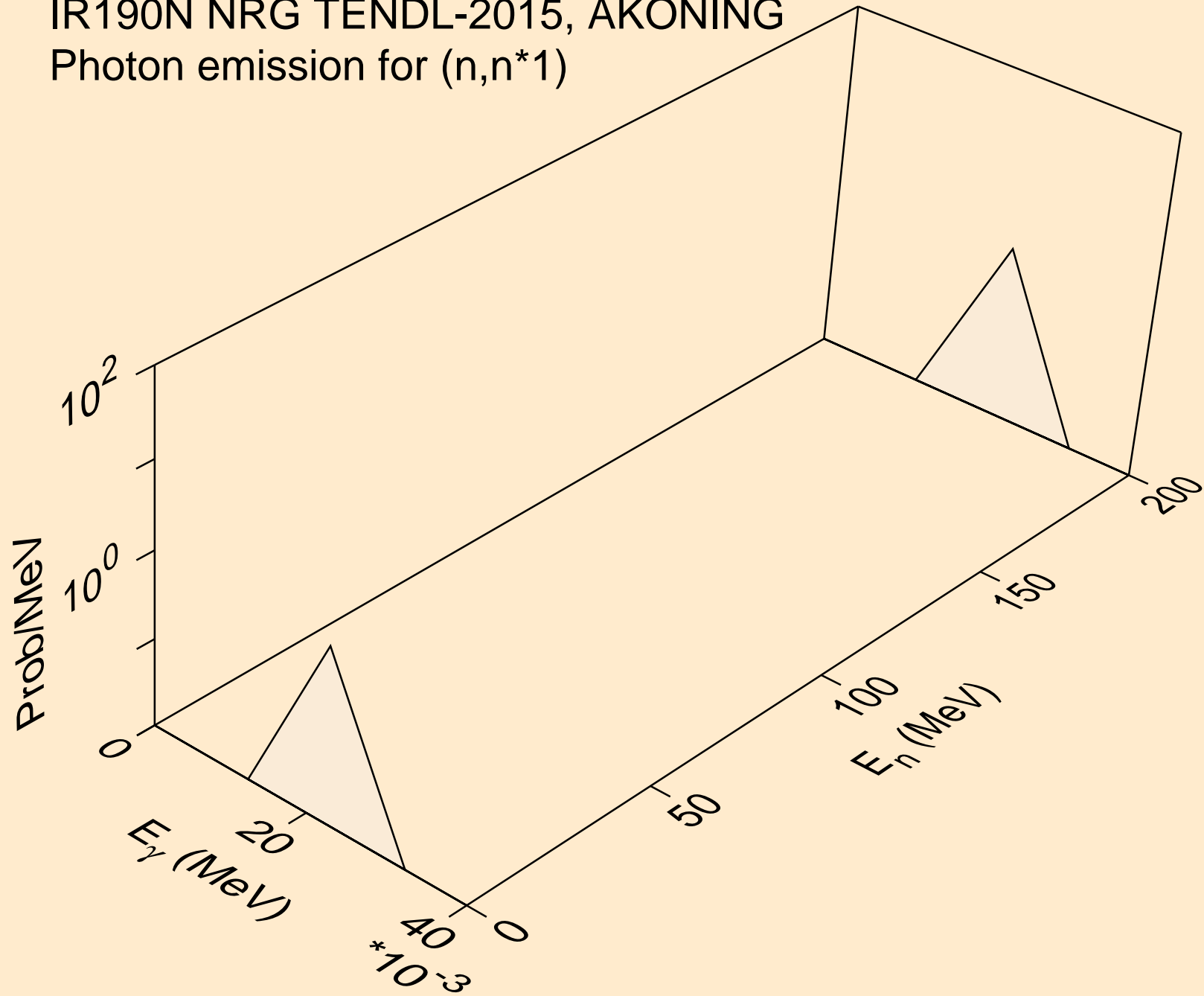
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



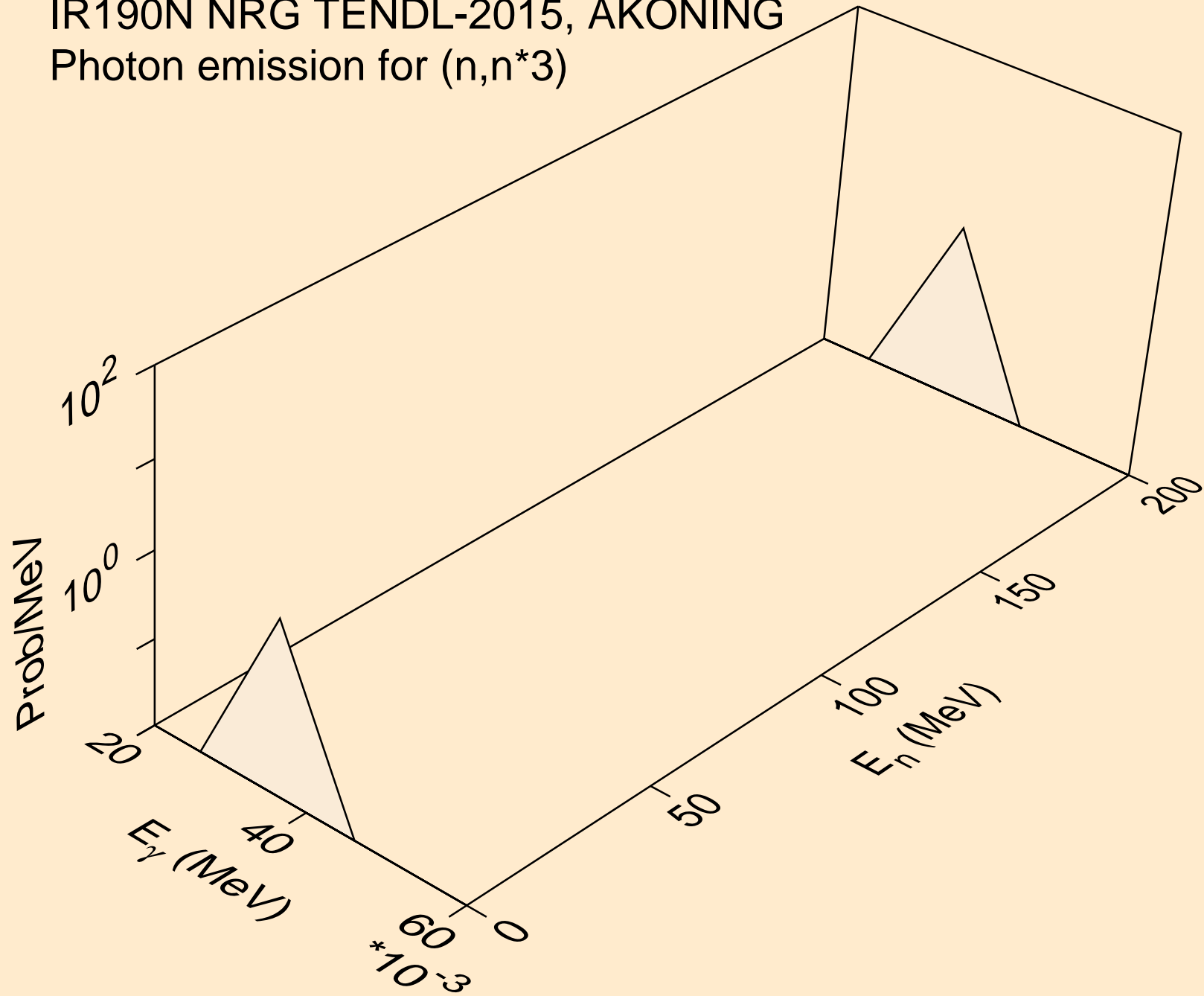
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



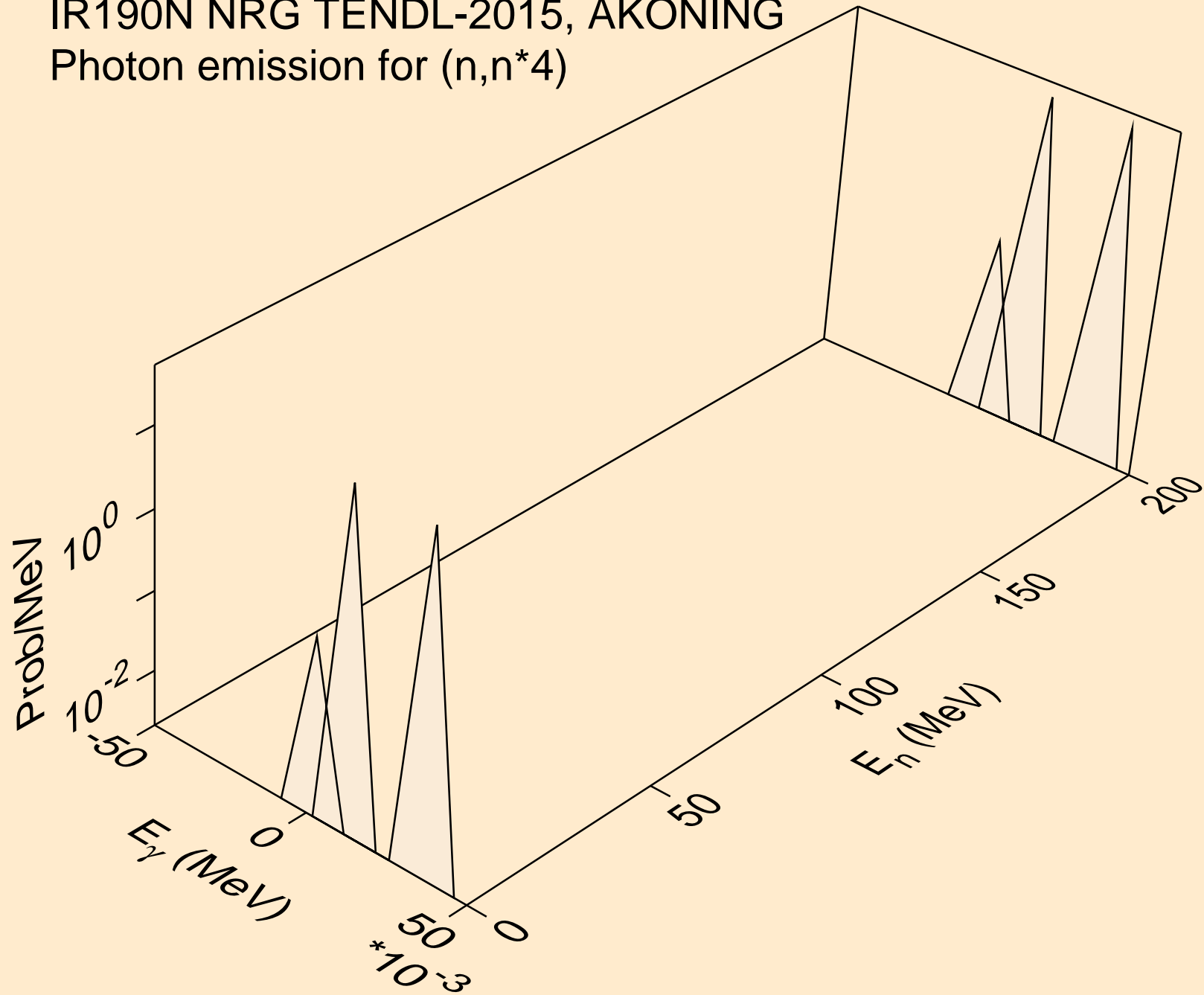
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*1)



IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*3)

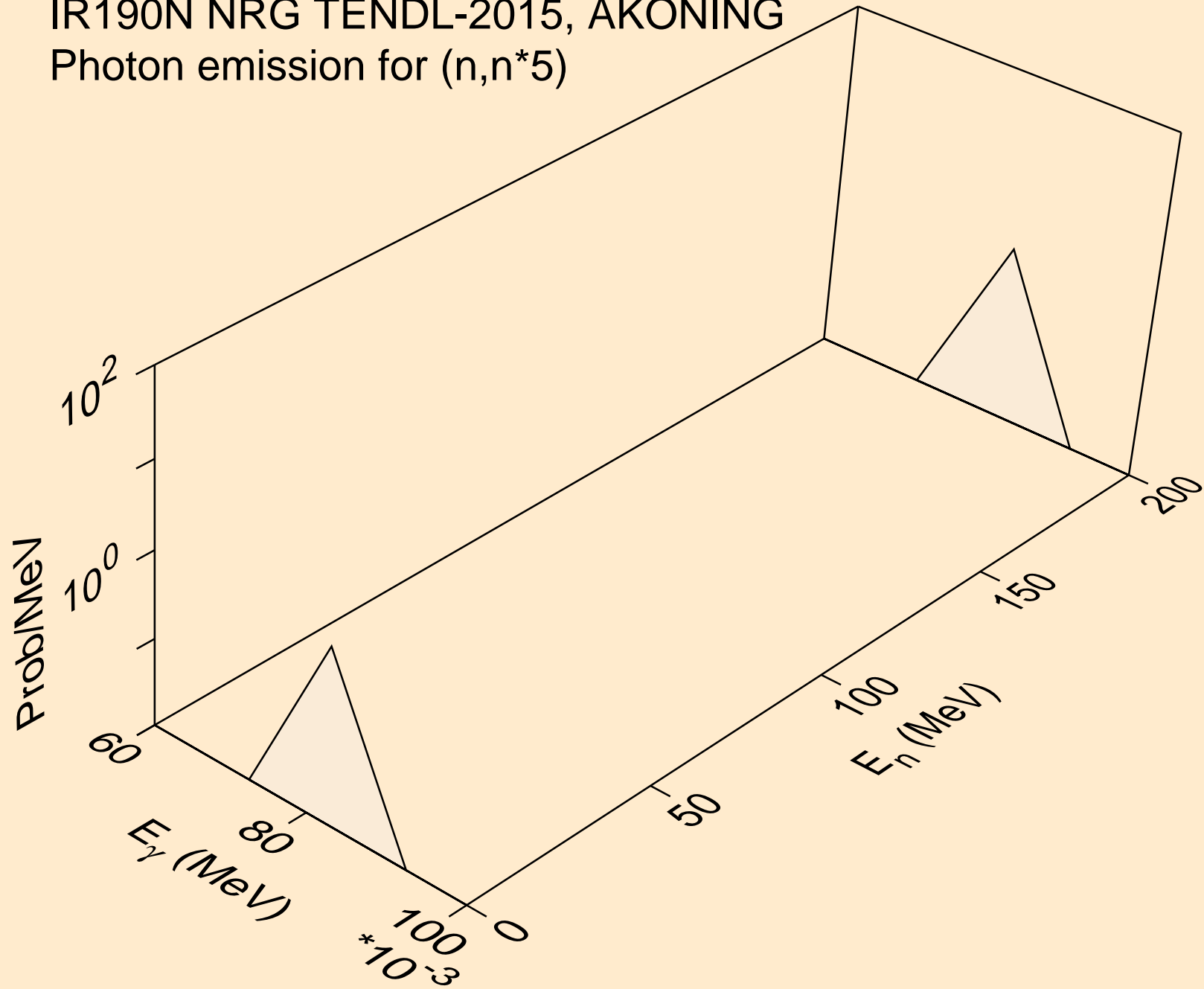


IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*4)

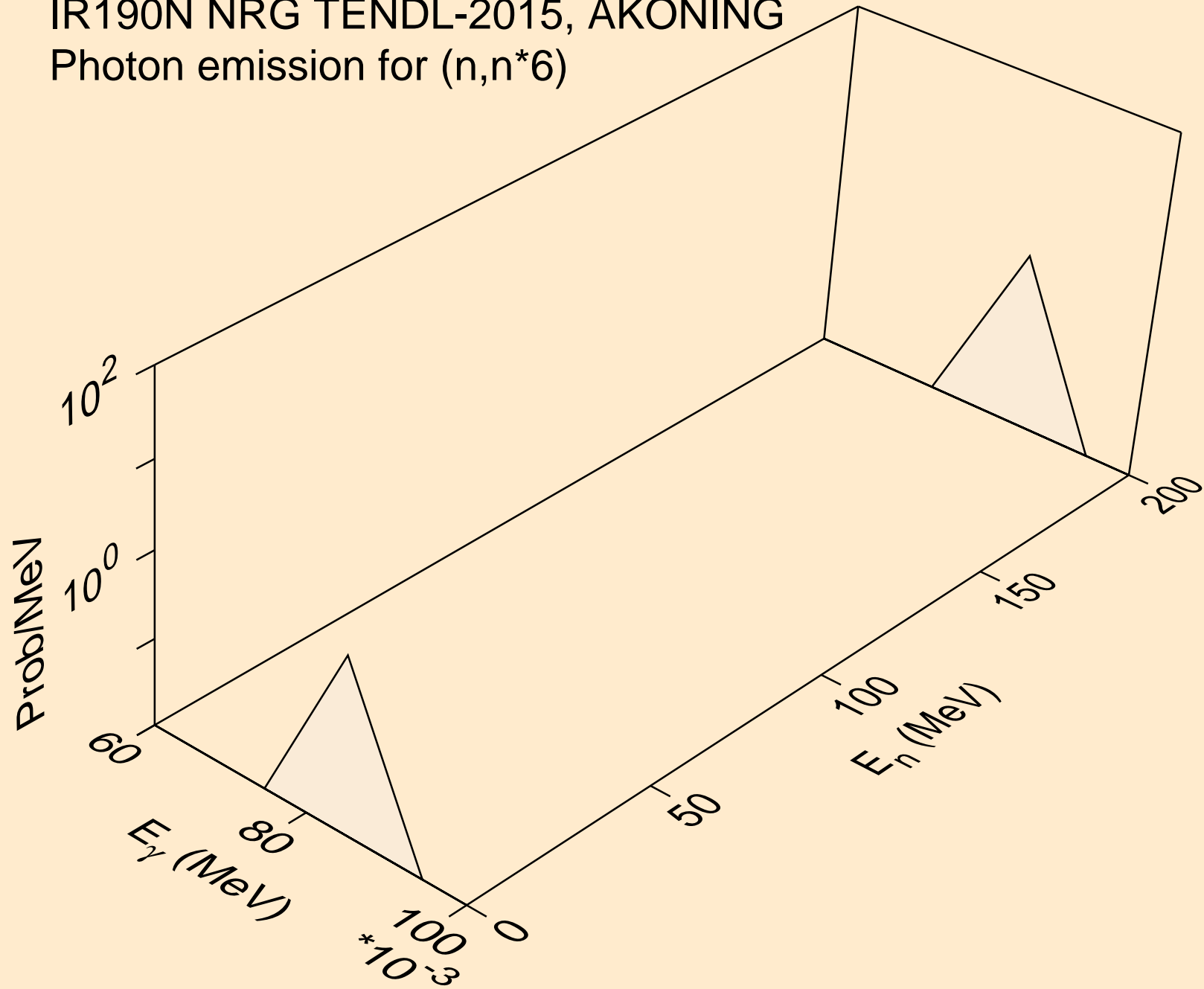




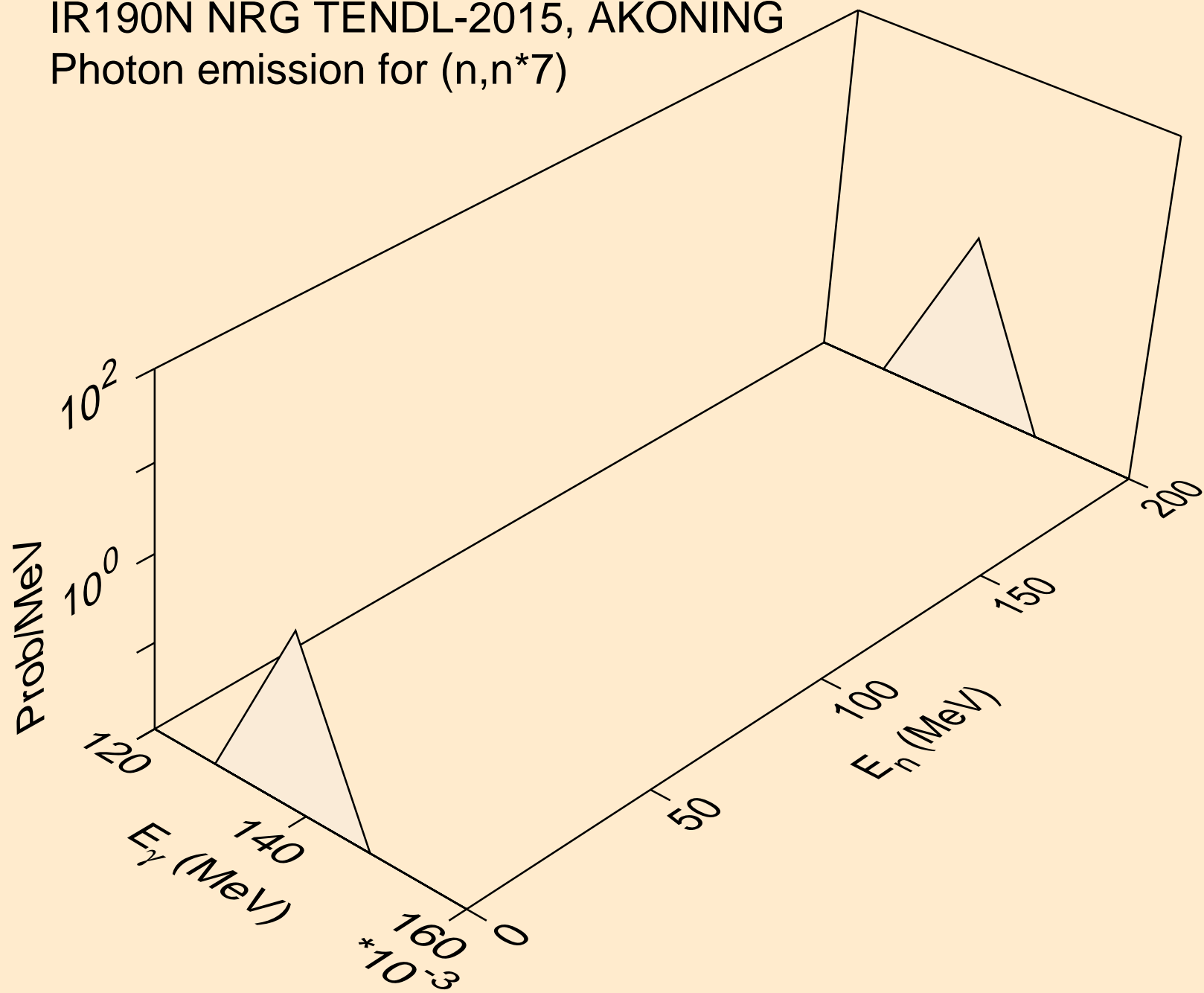
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*5)



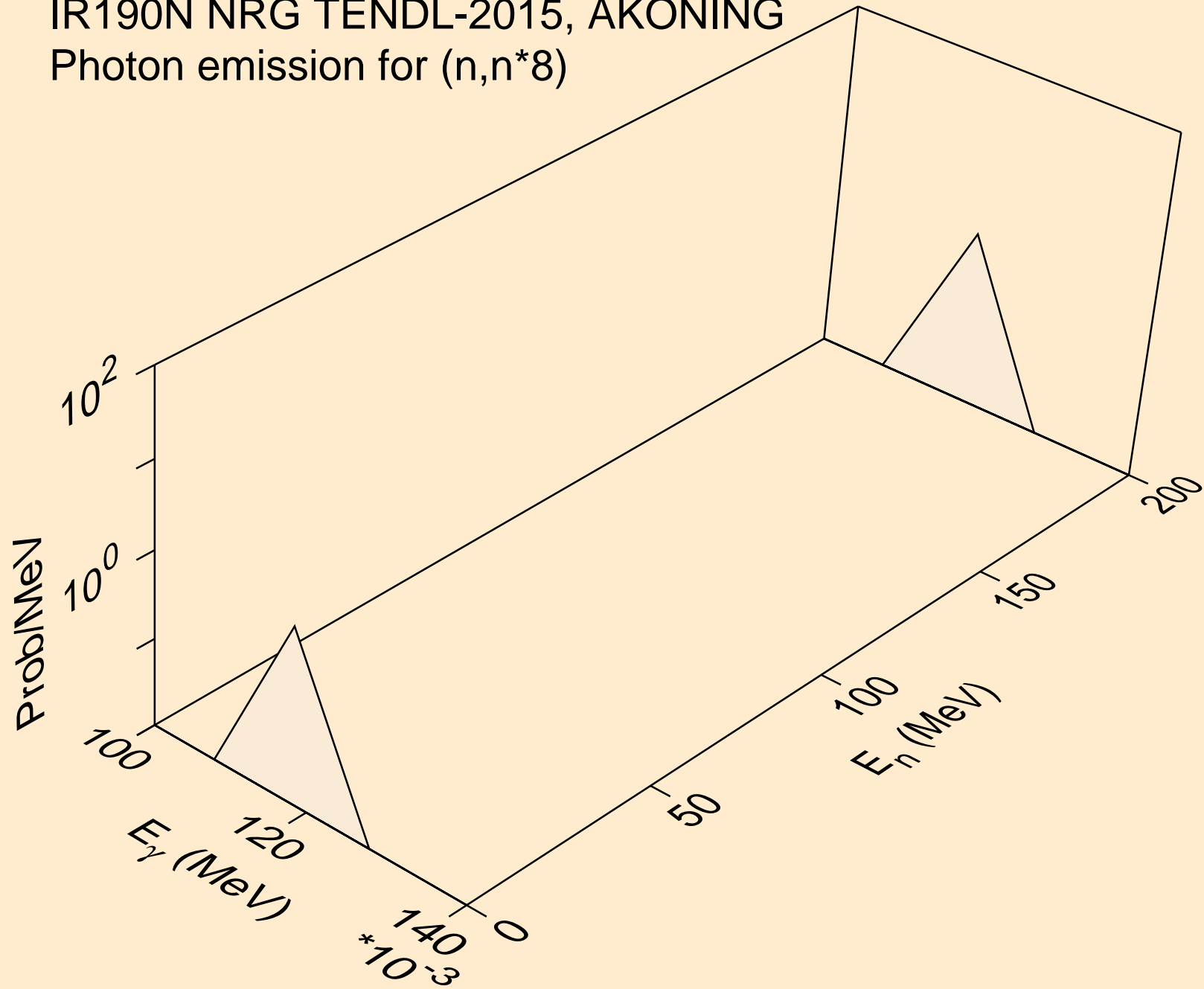
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*6)



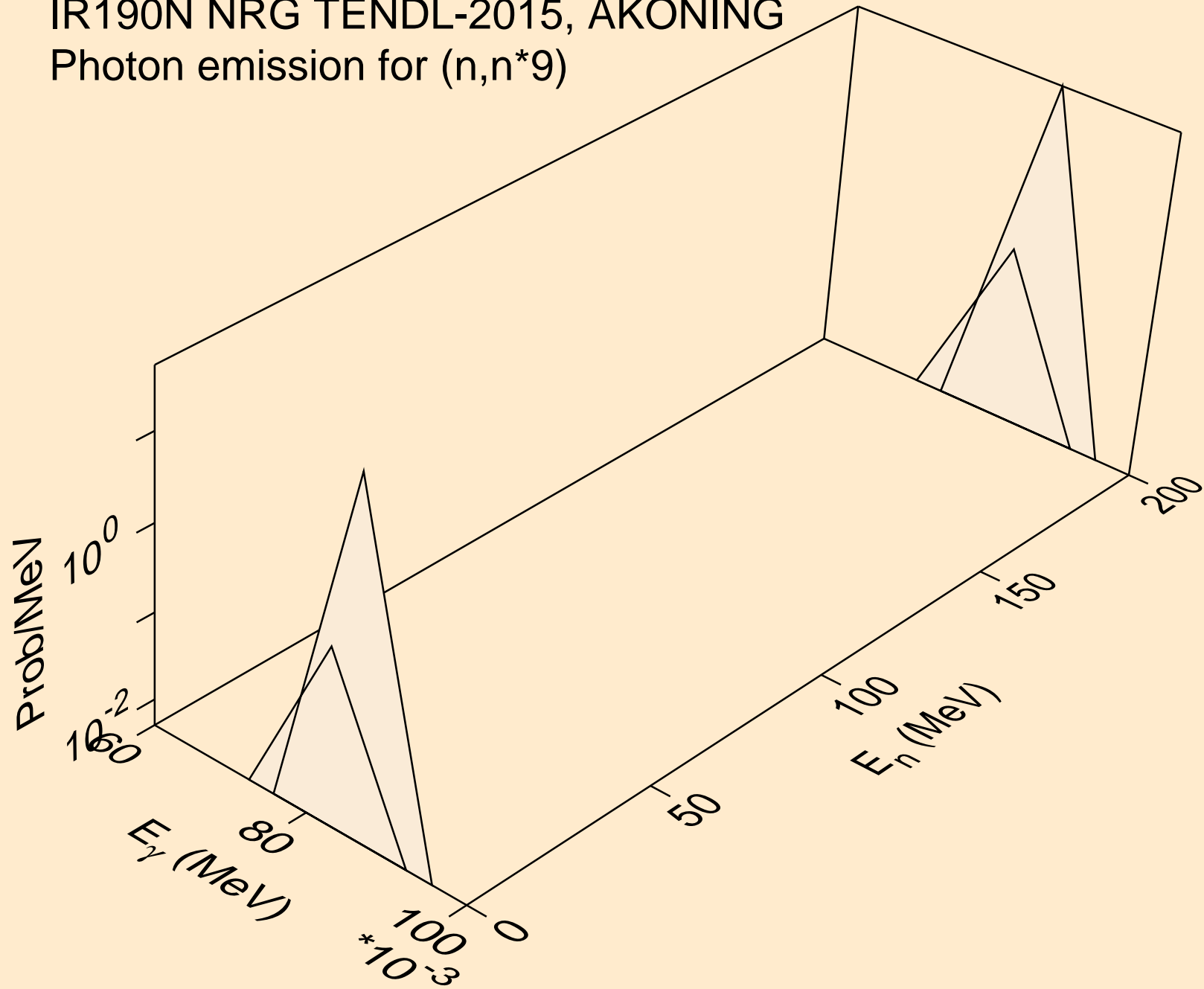
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Photon emission for (n,n\*7)



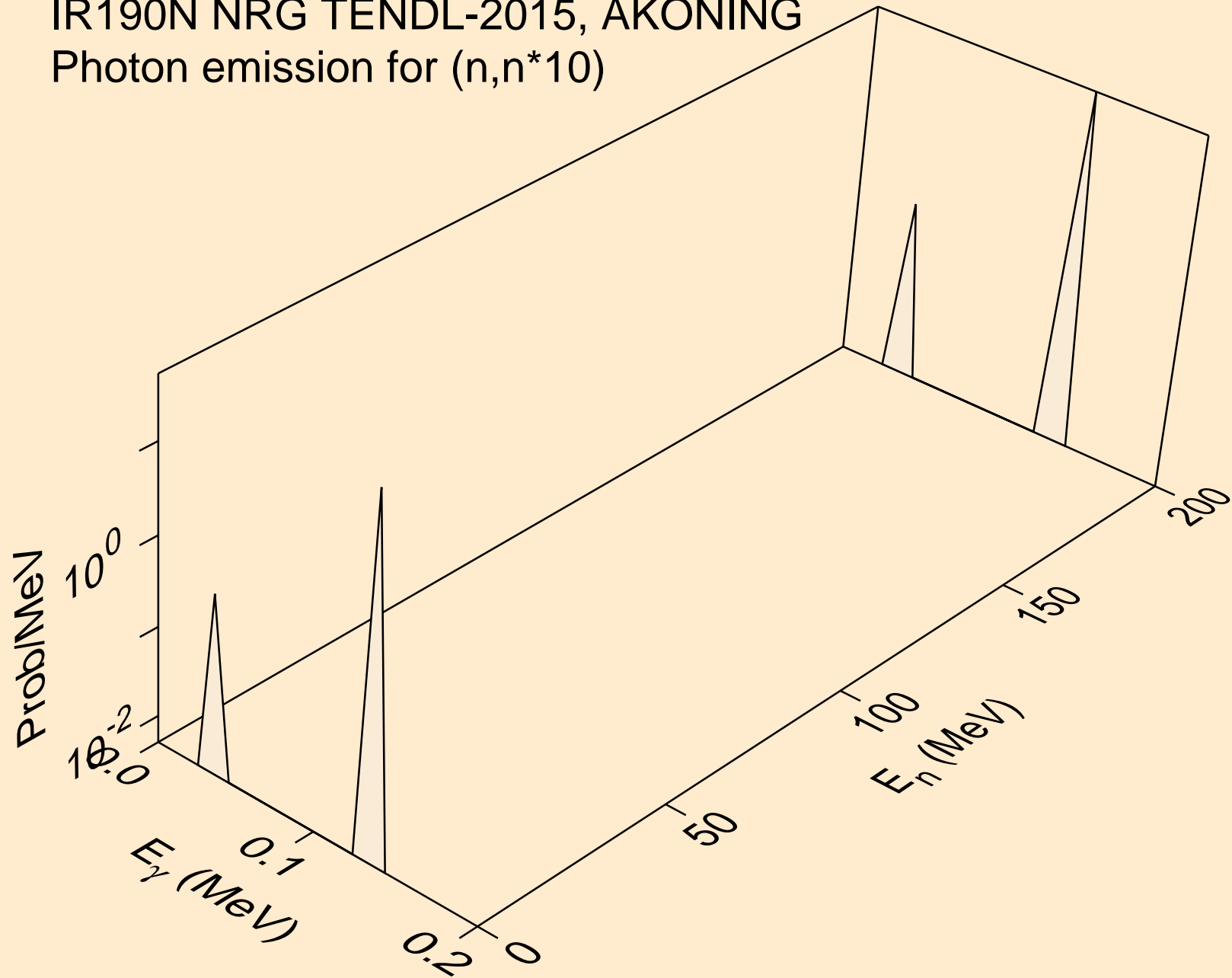
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Photon emission for (n,n\*8)



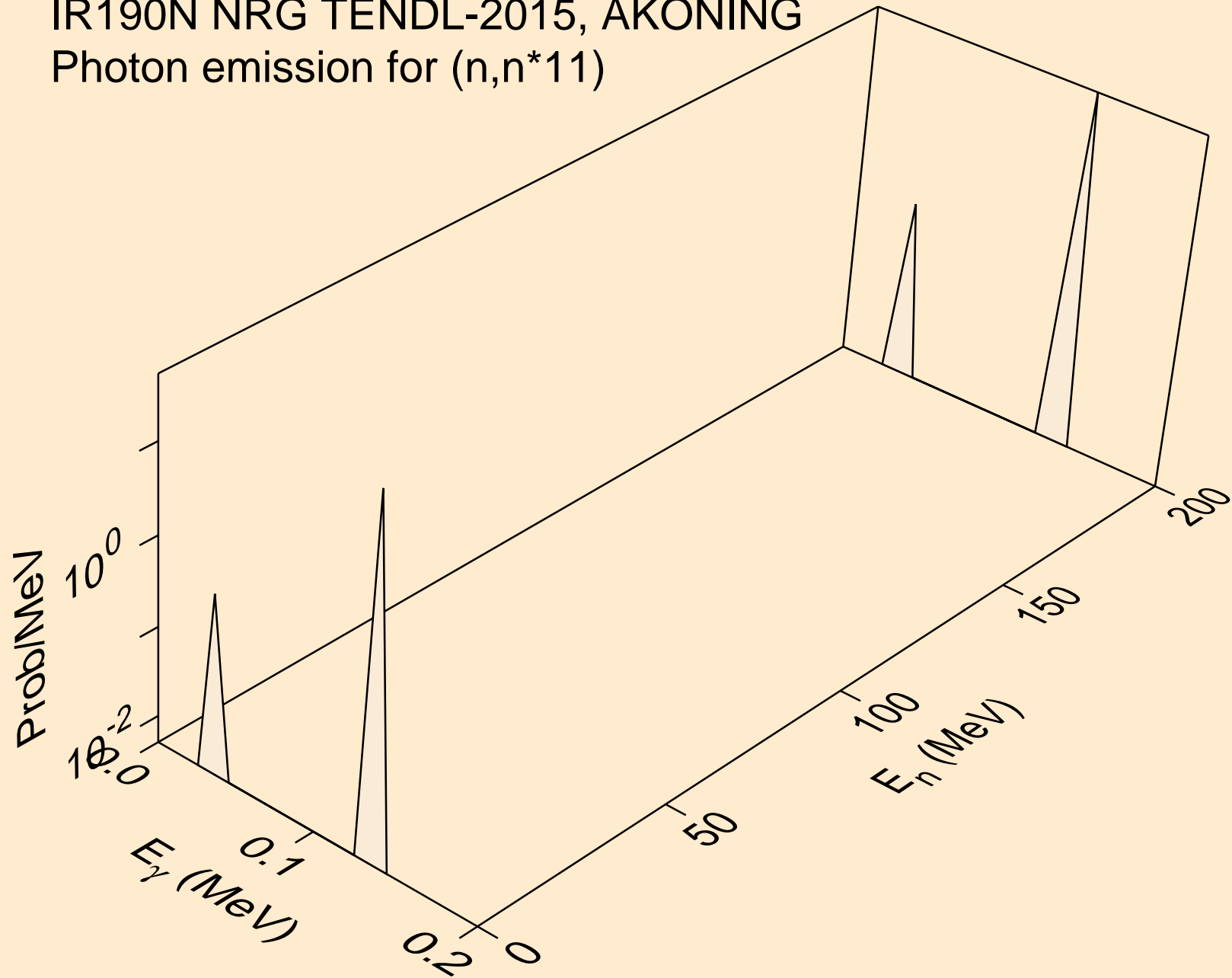
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*9)



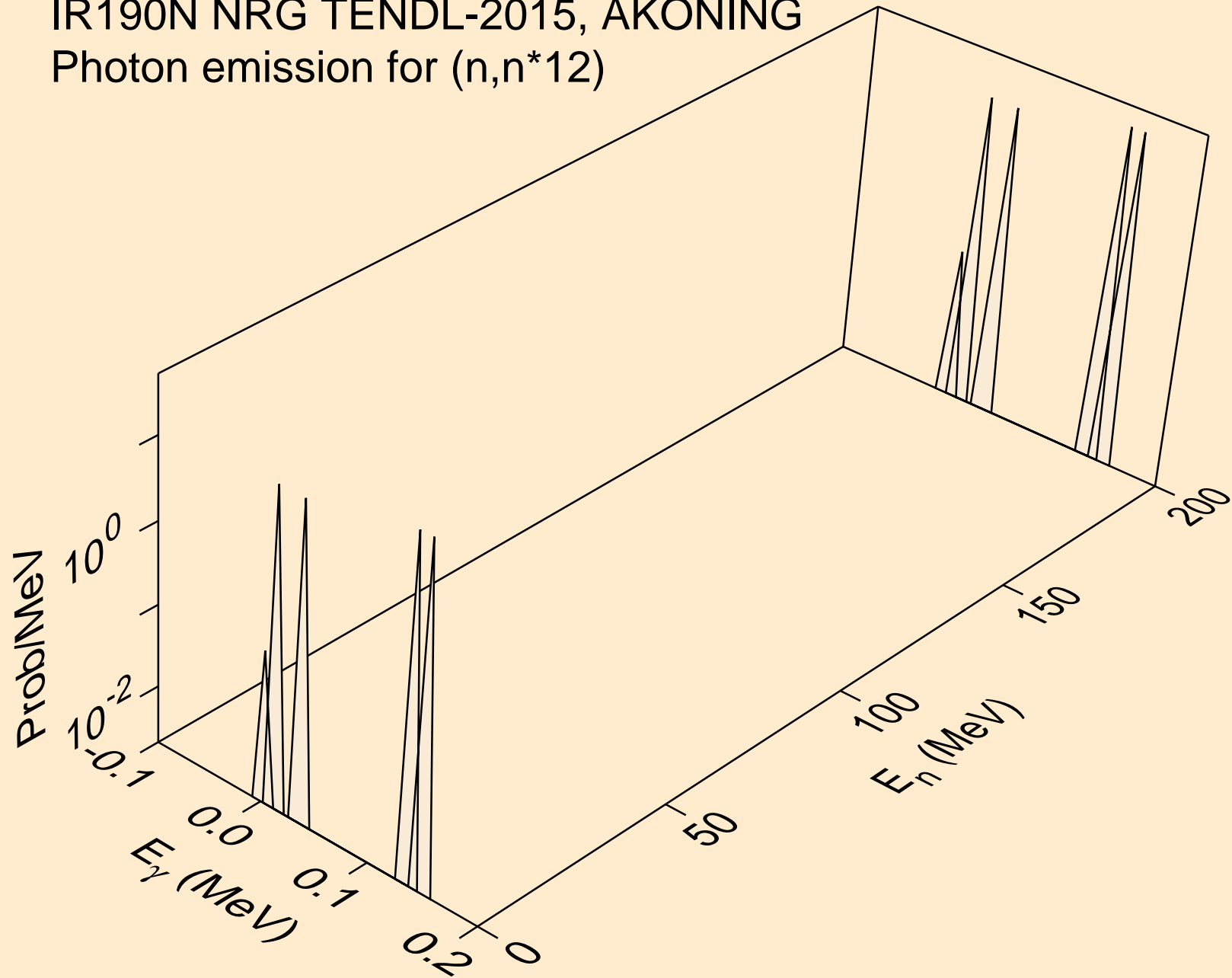
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*10)



IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*11)

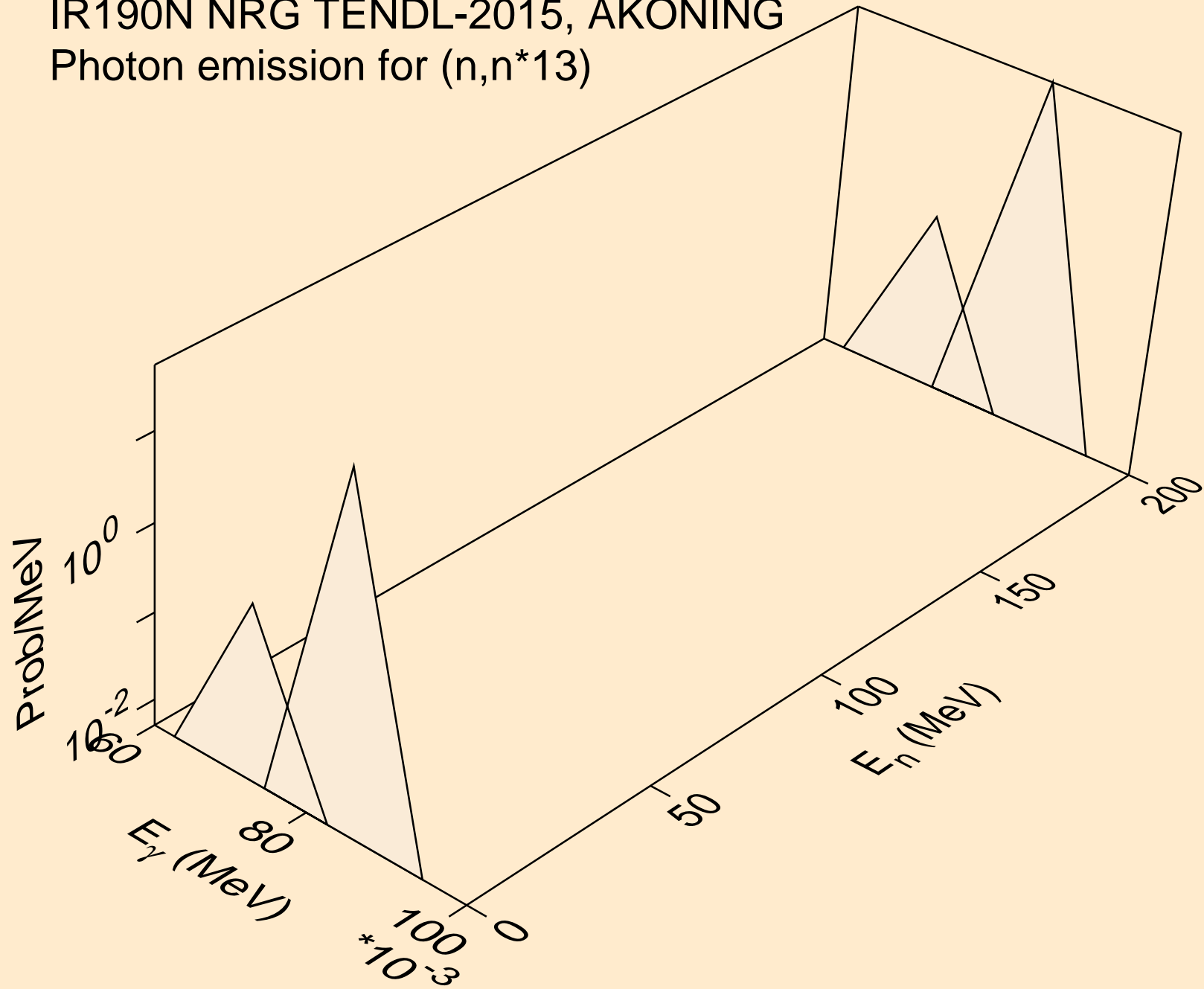


IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*12)

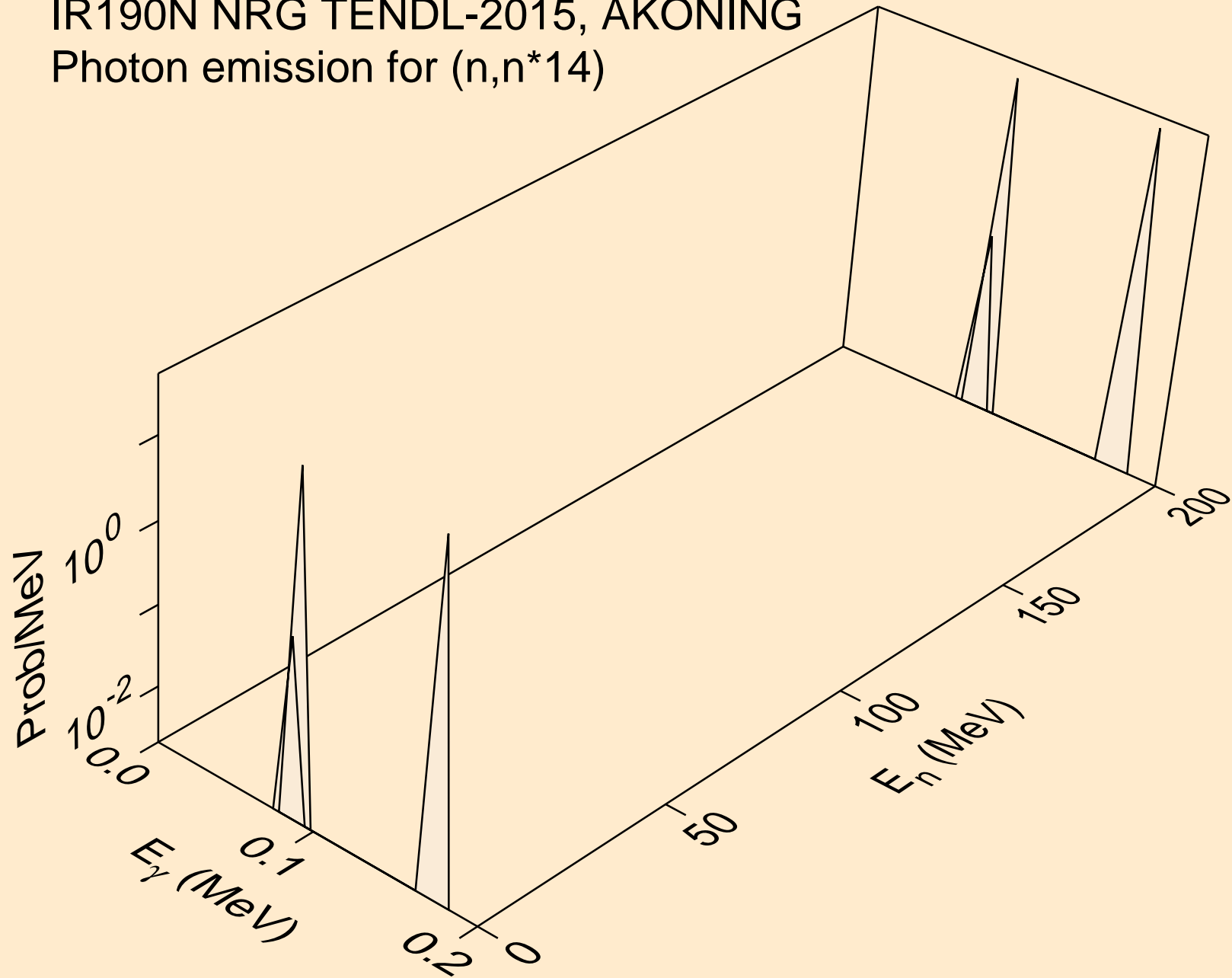




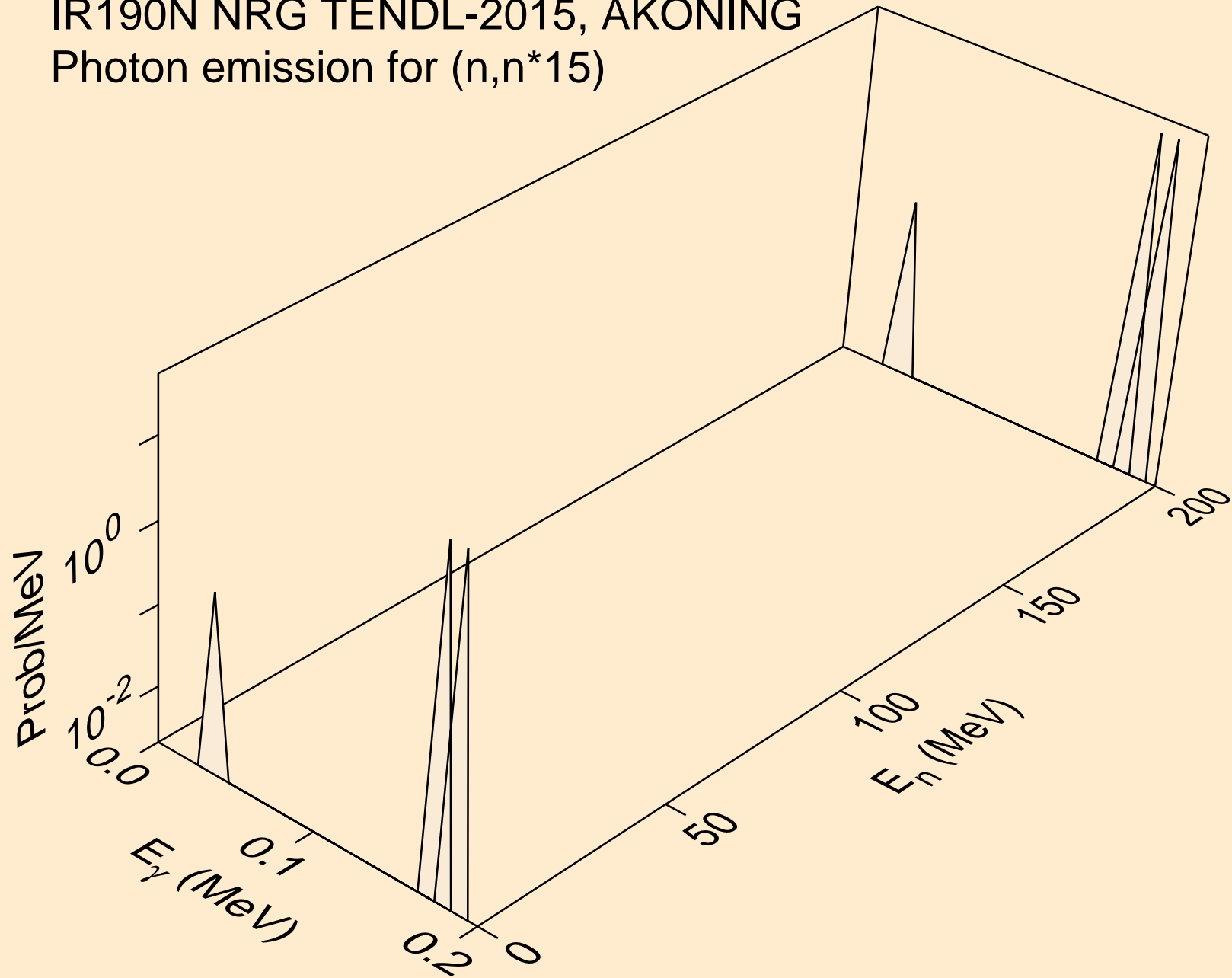
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Photon emission for (n,n\*13)



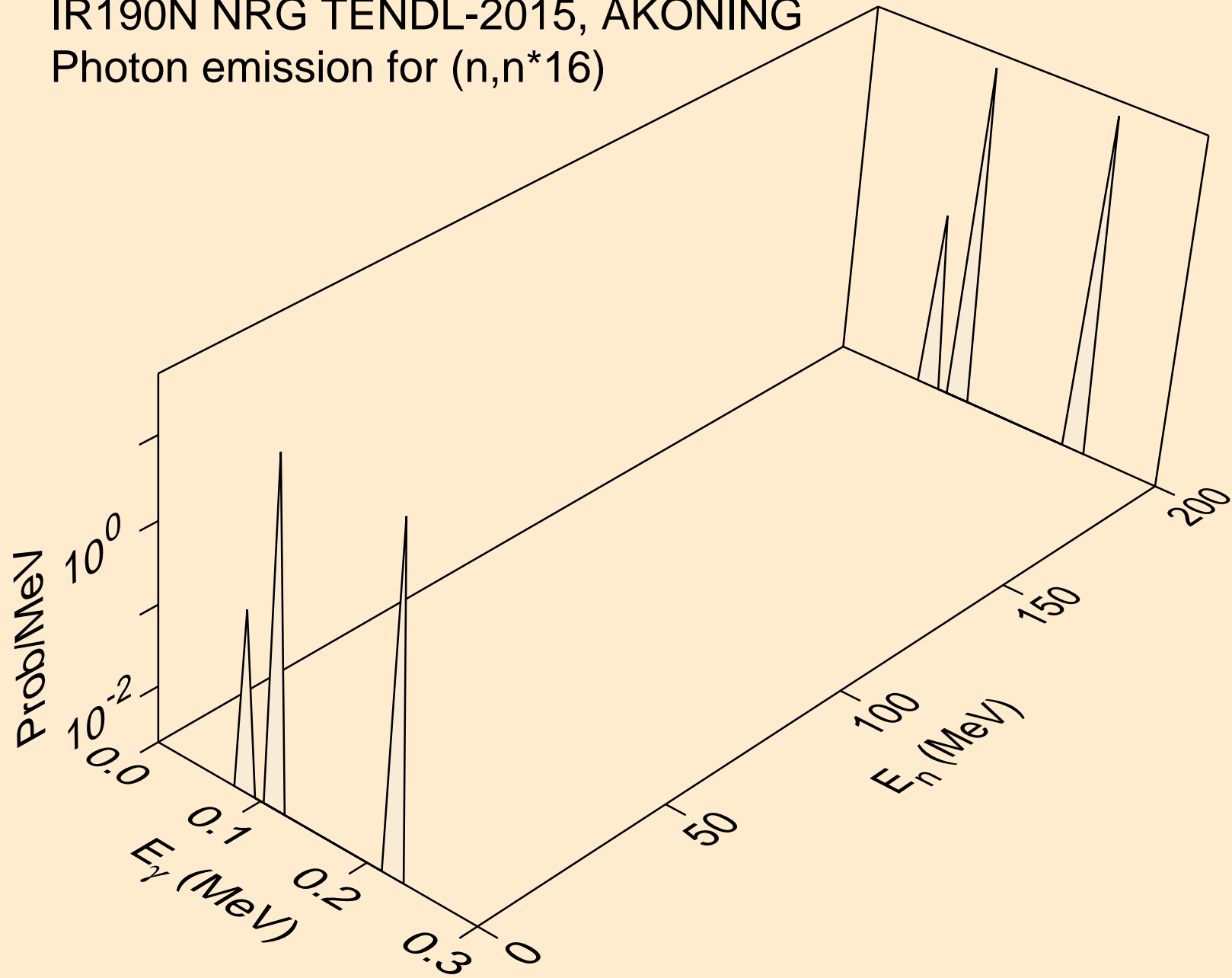
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Photon emission for (n,n\*14)



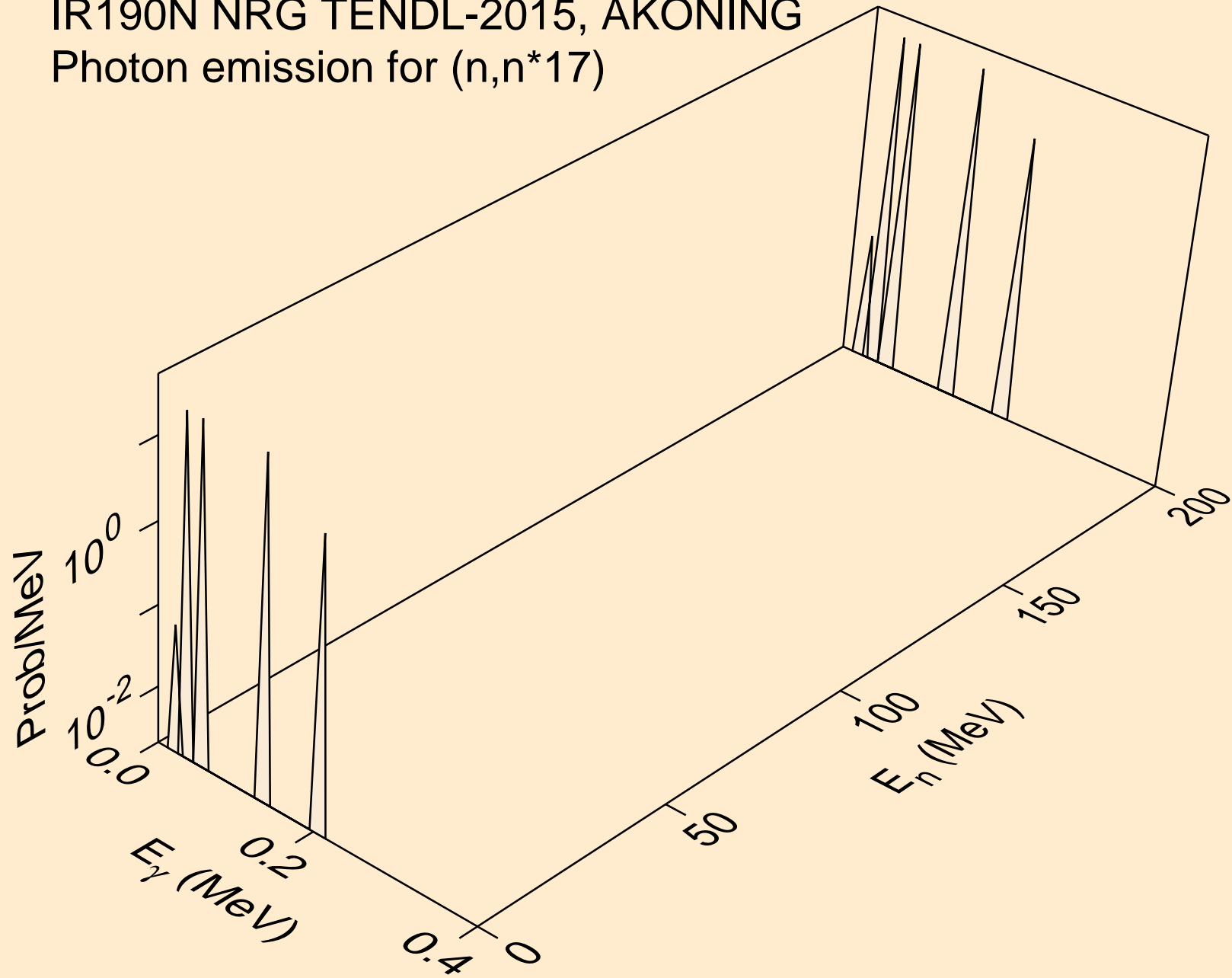
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*15)



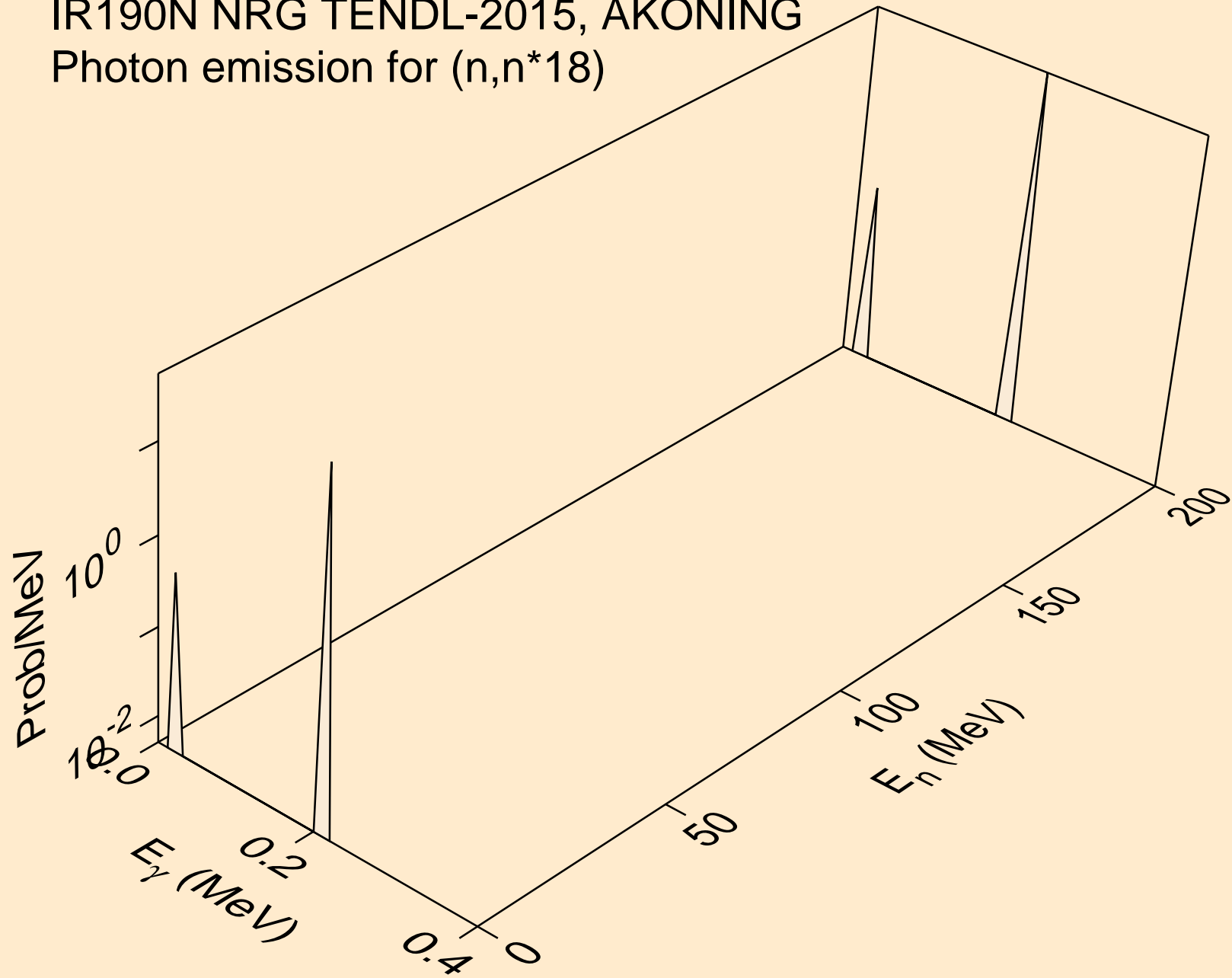
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Photon emission for (n,n\*16)



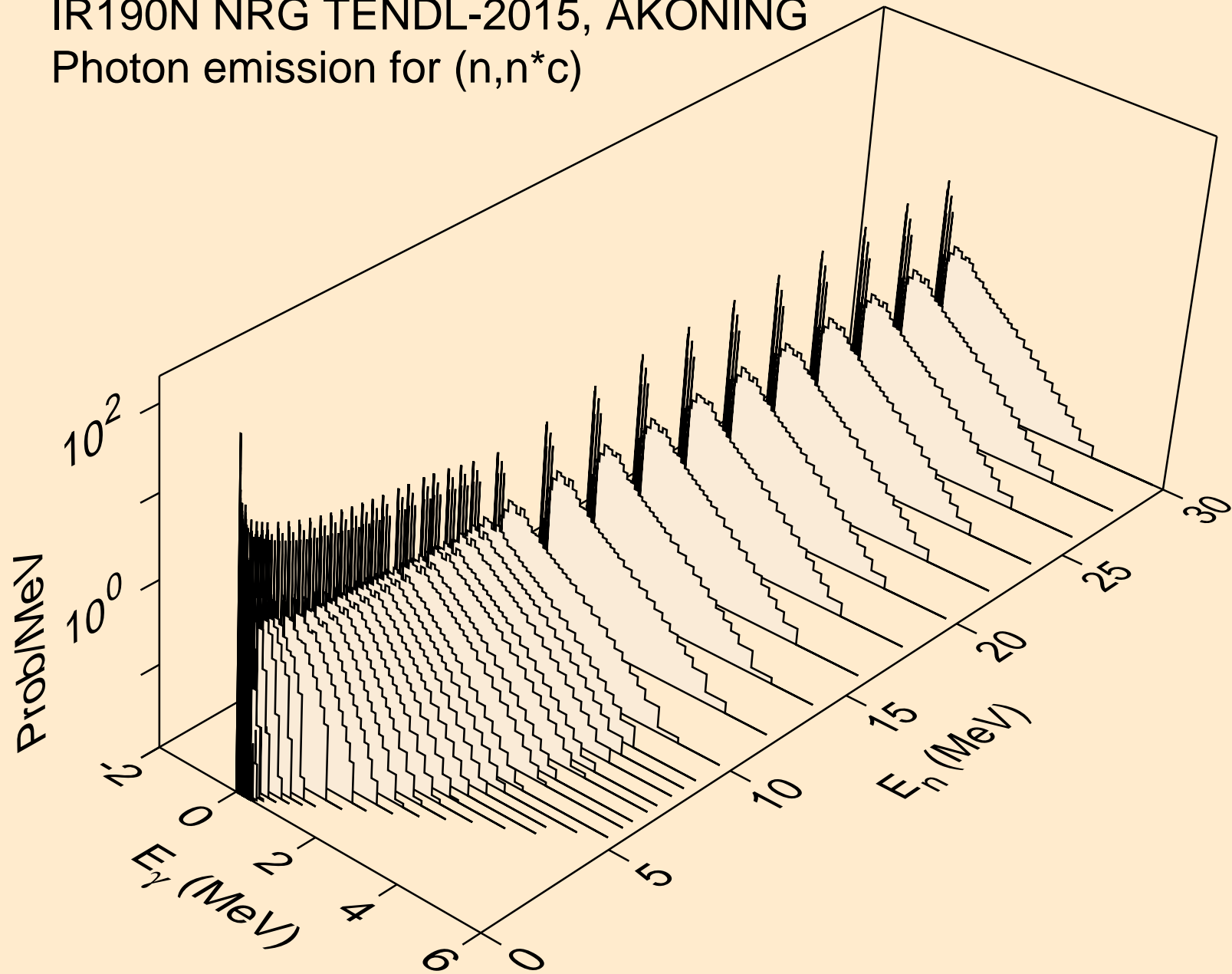
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Photon emission for (n,n\*17)



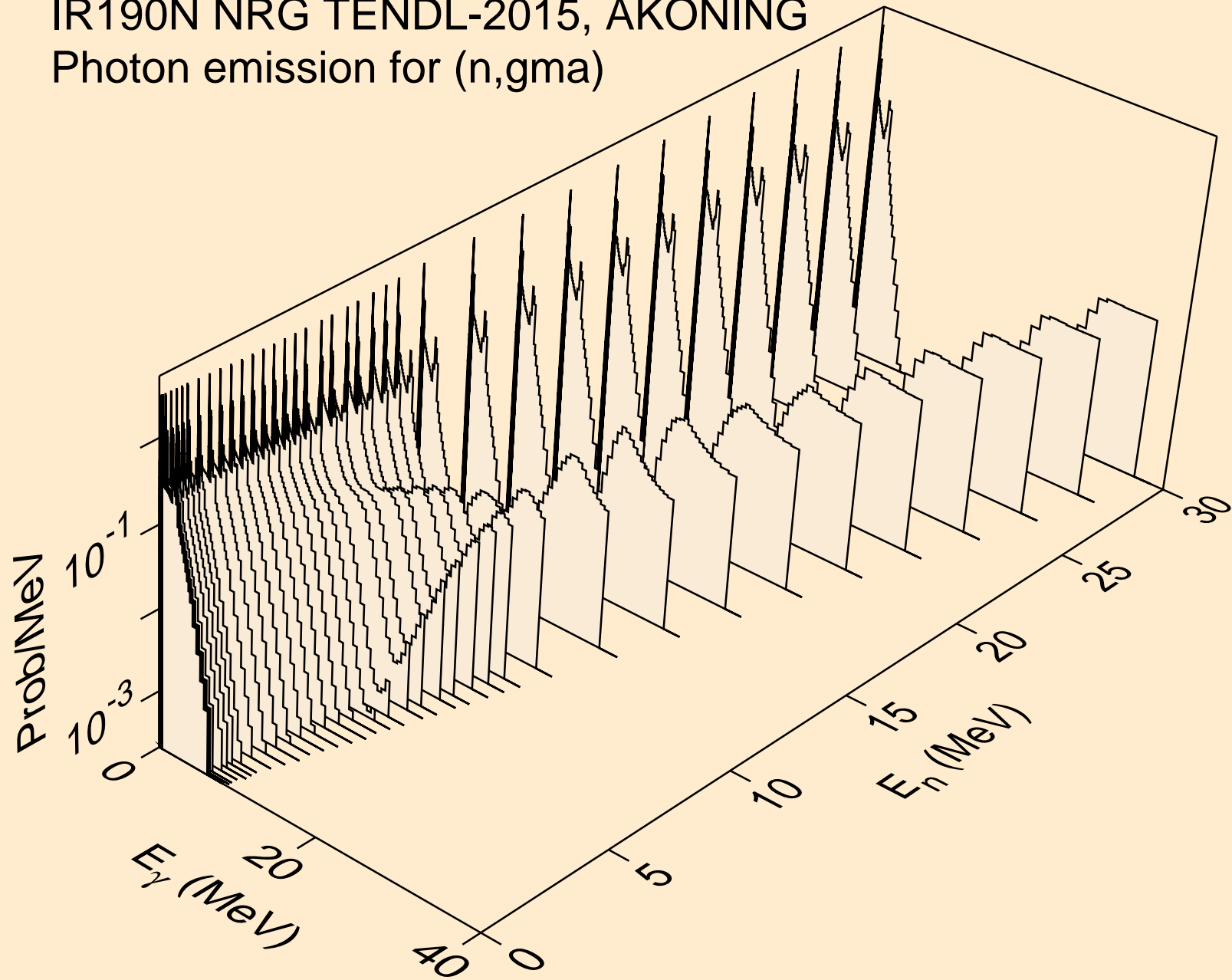
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*18)



IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

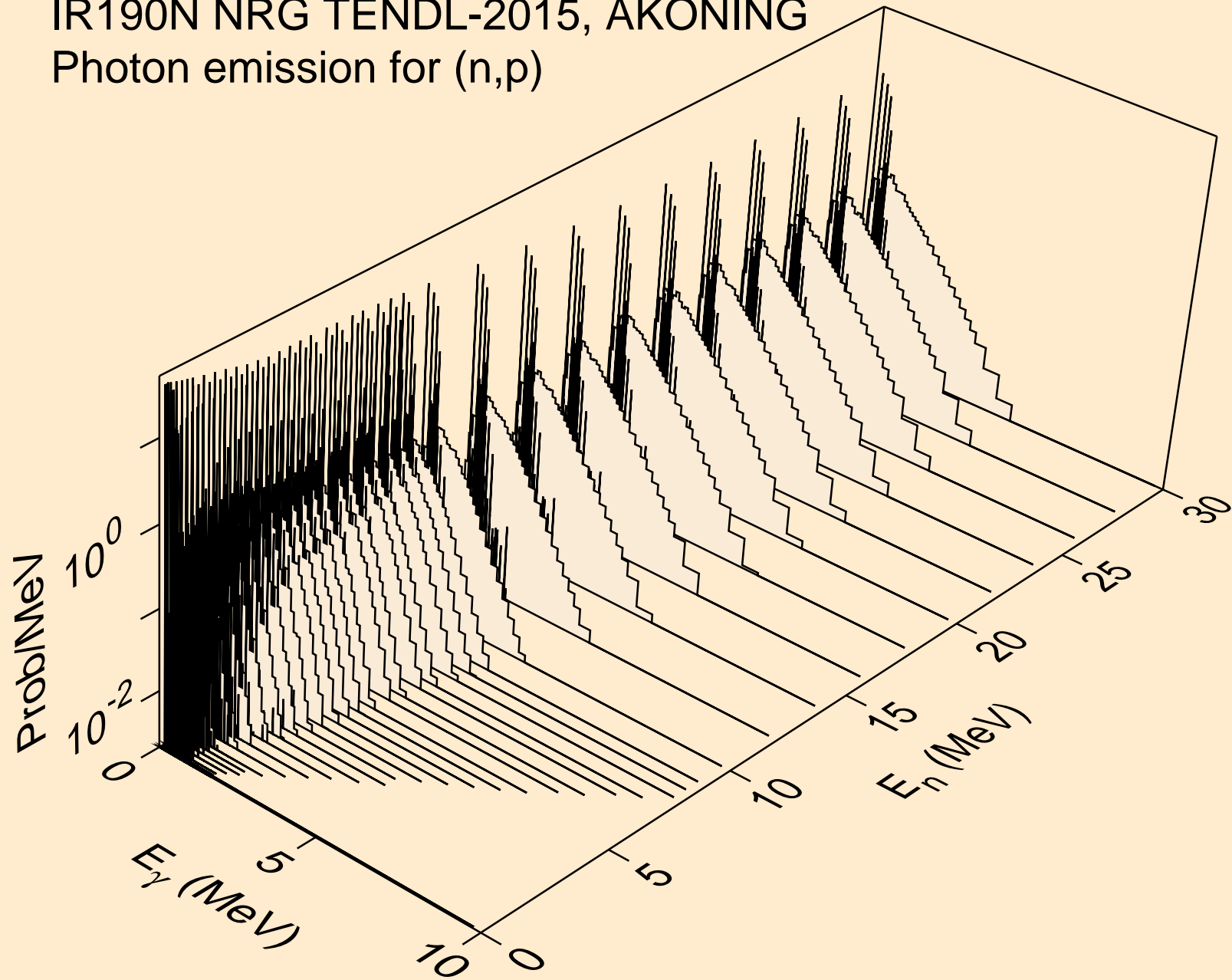


IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

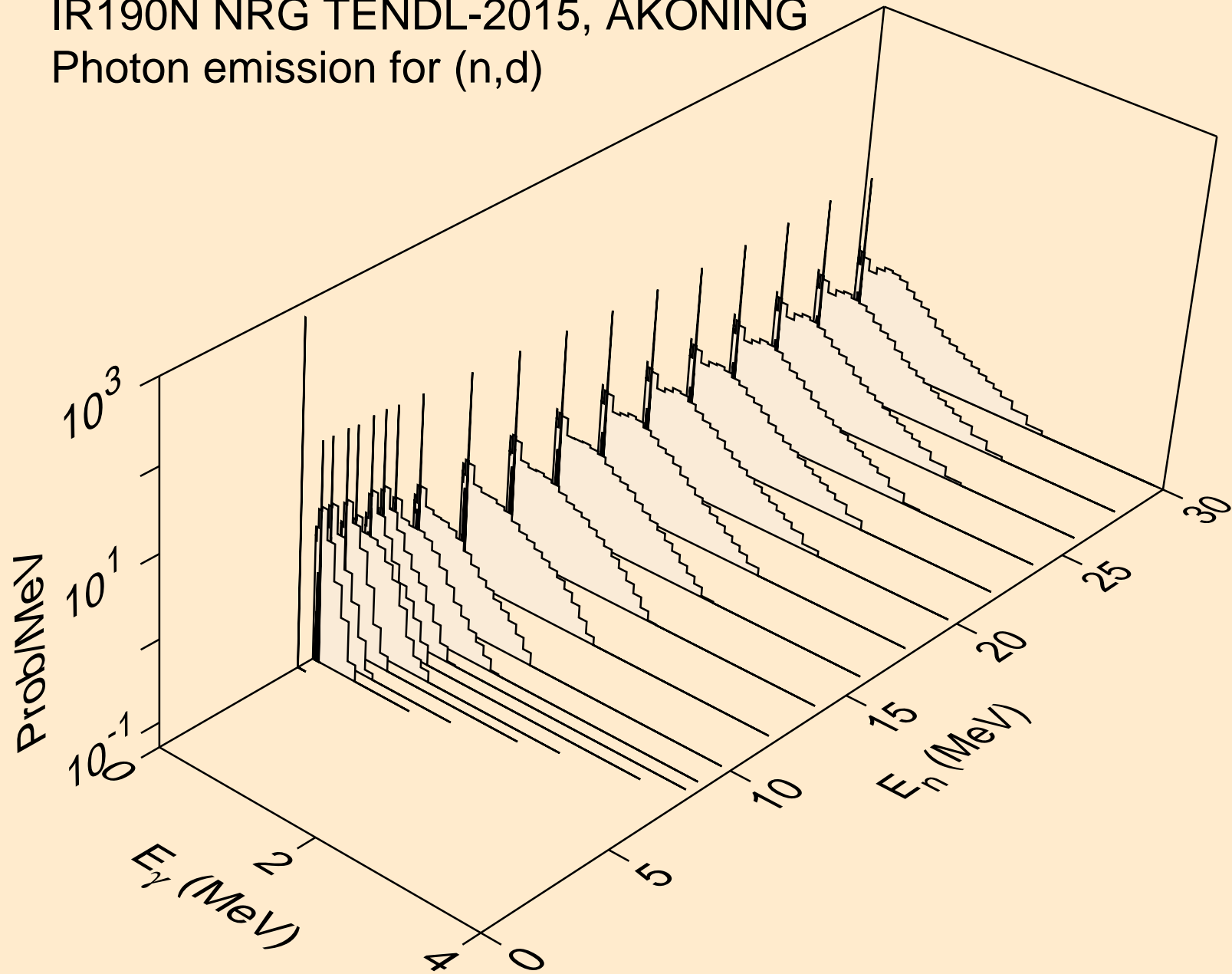




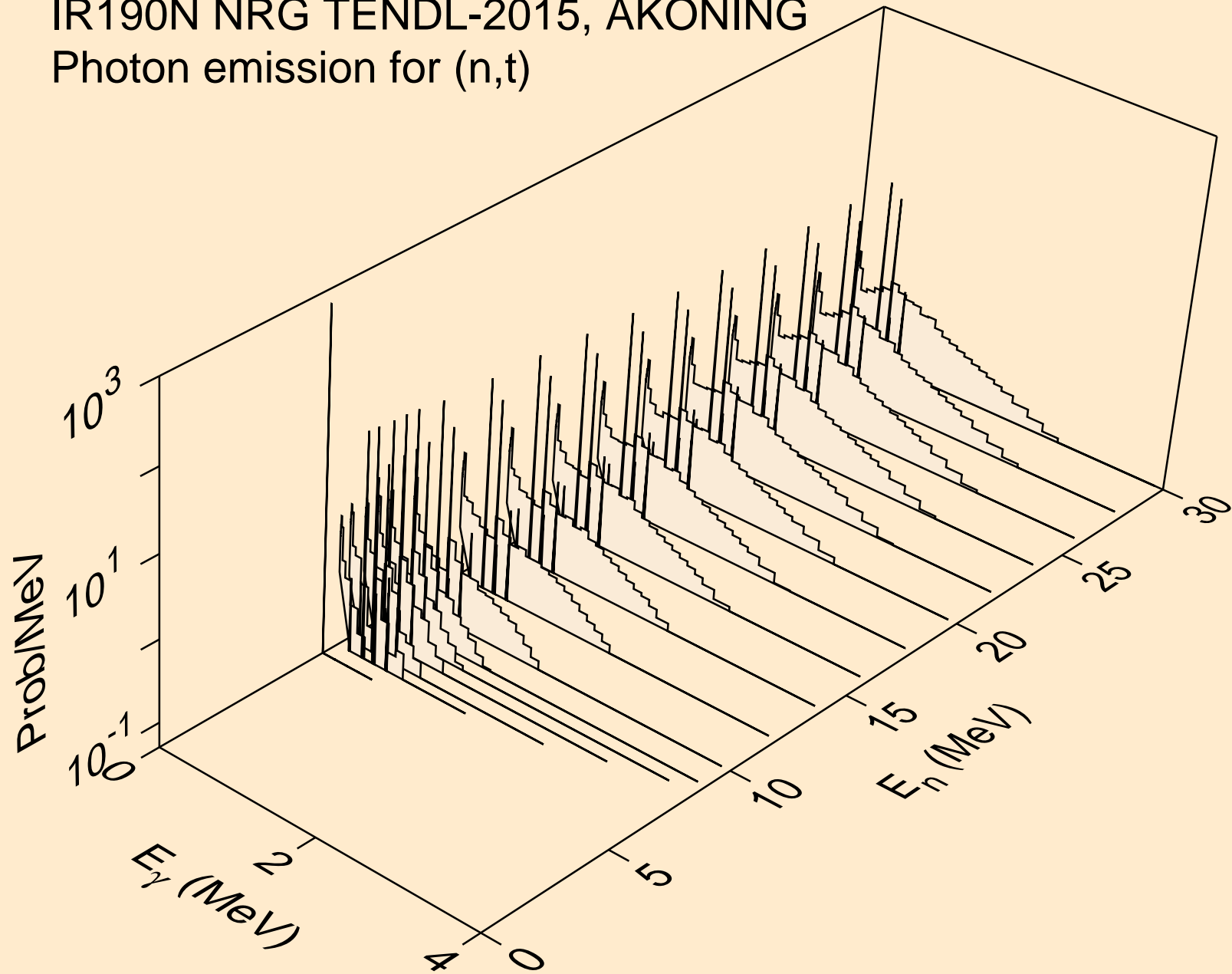
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,p)



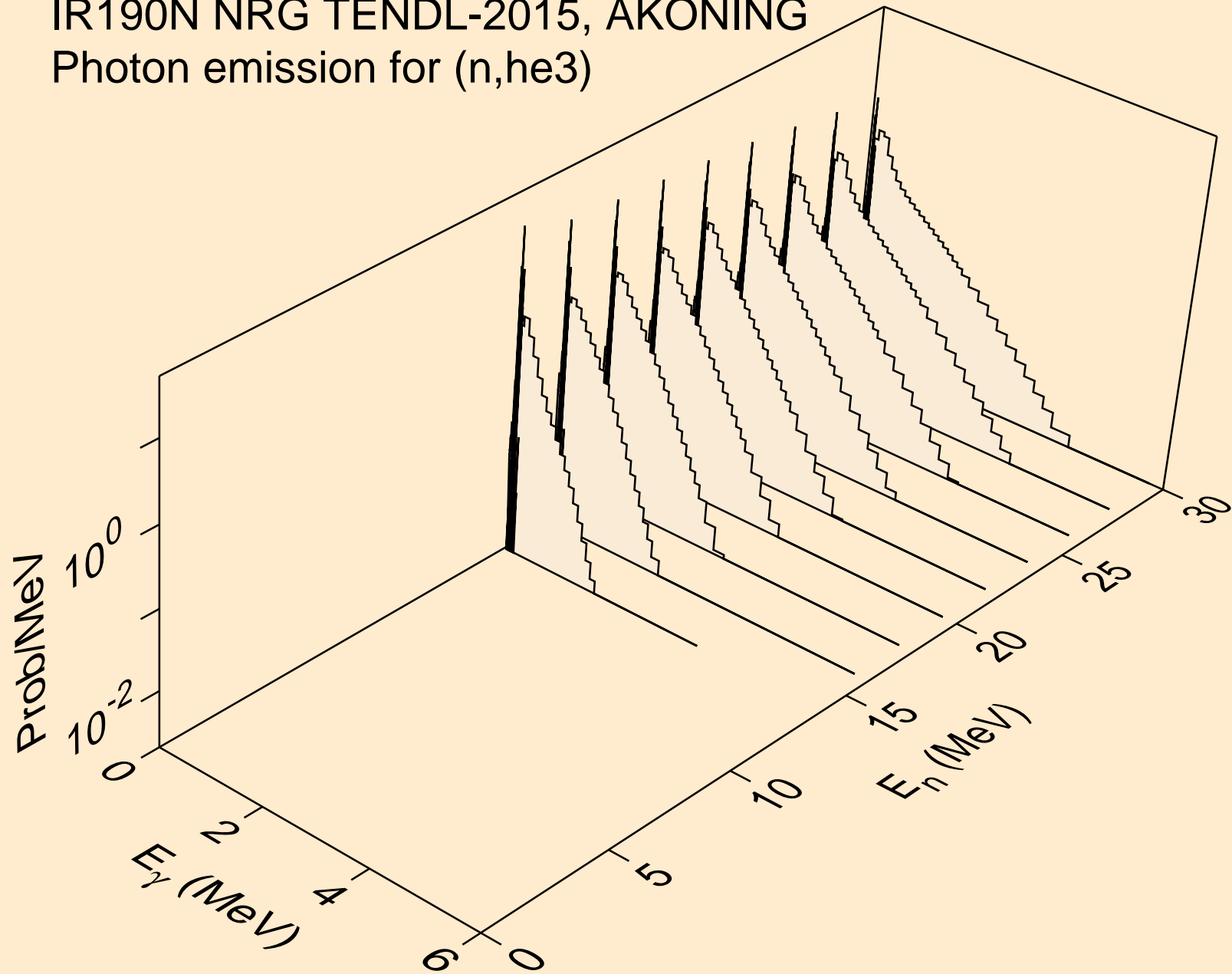
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,d)



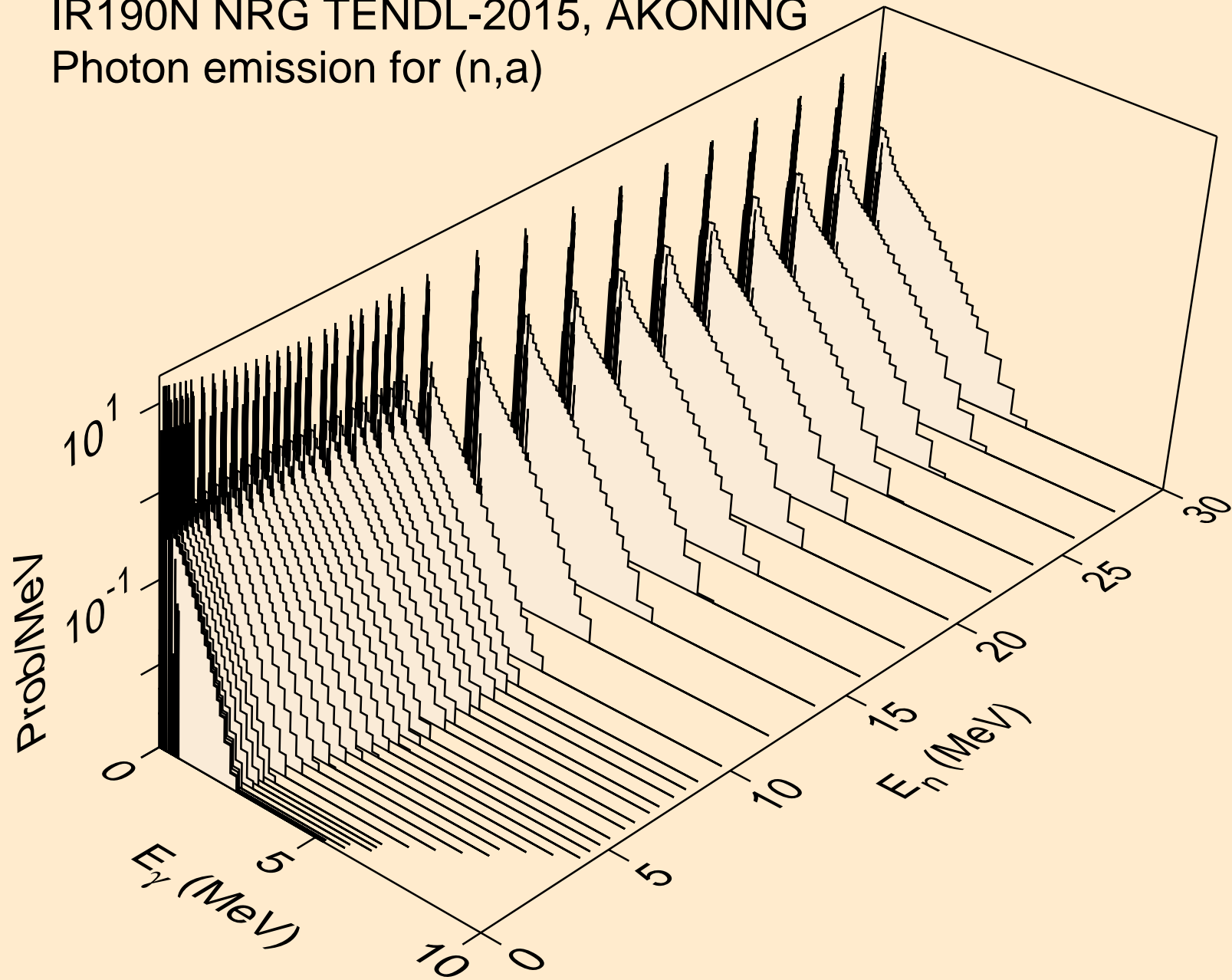
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,t)



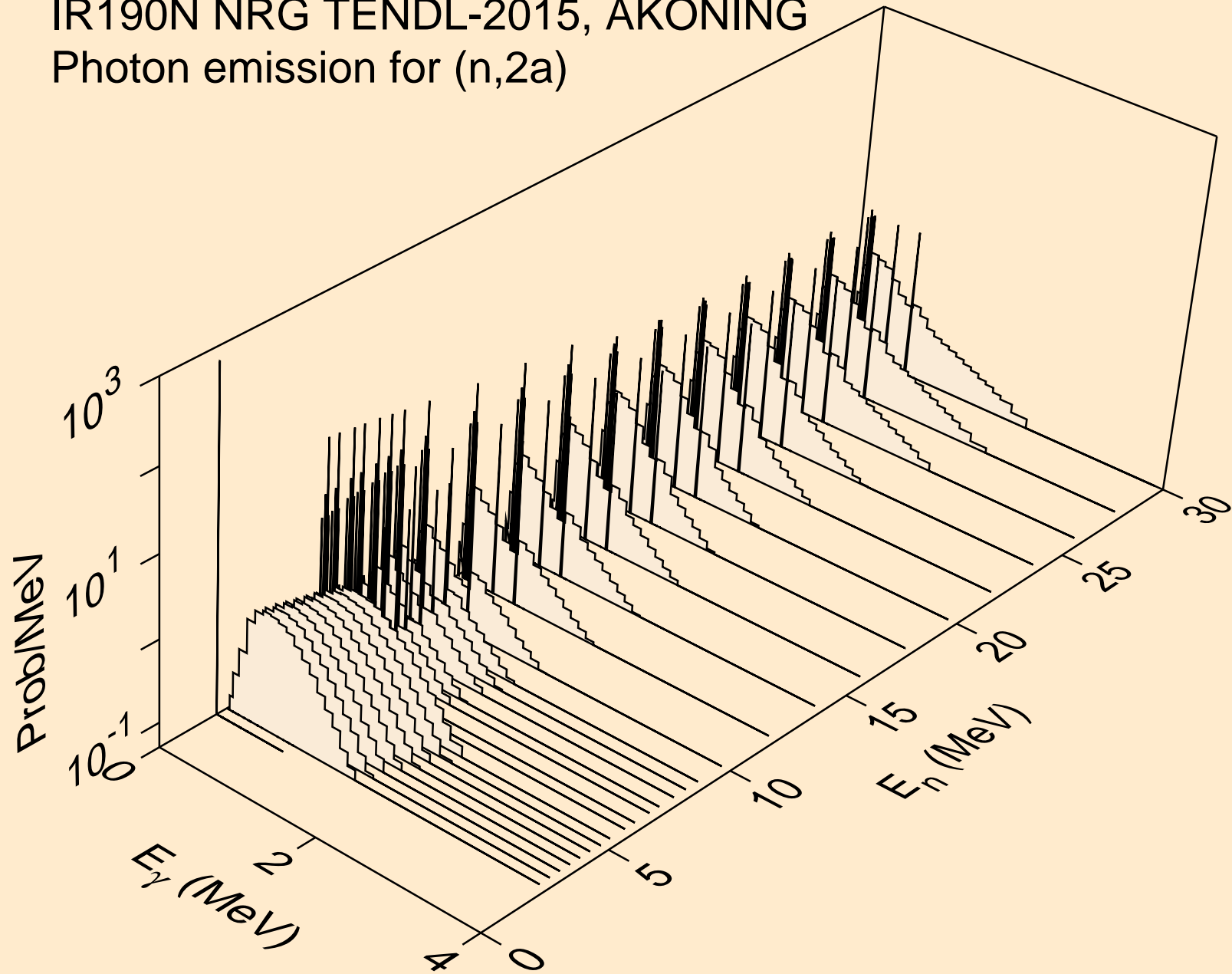
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



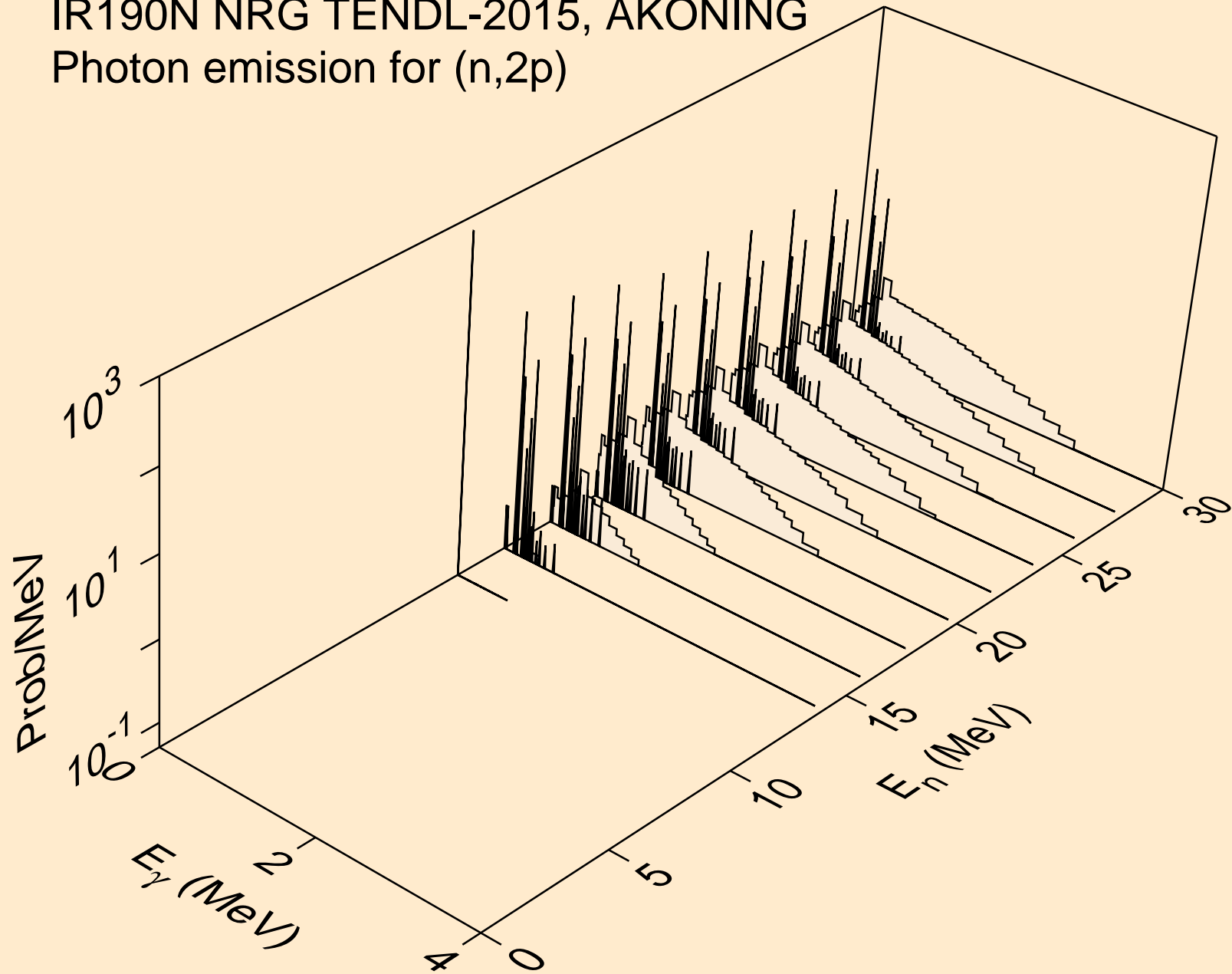
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Photon emission for (n,a)



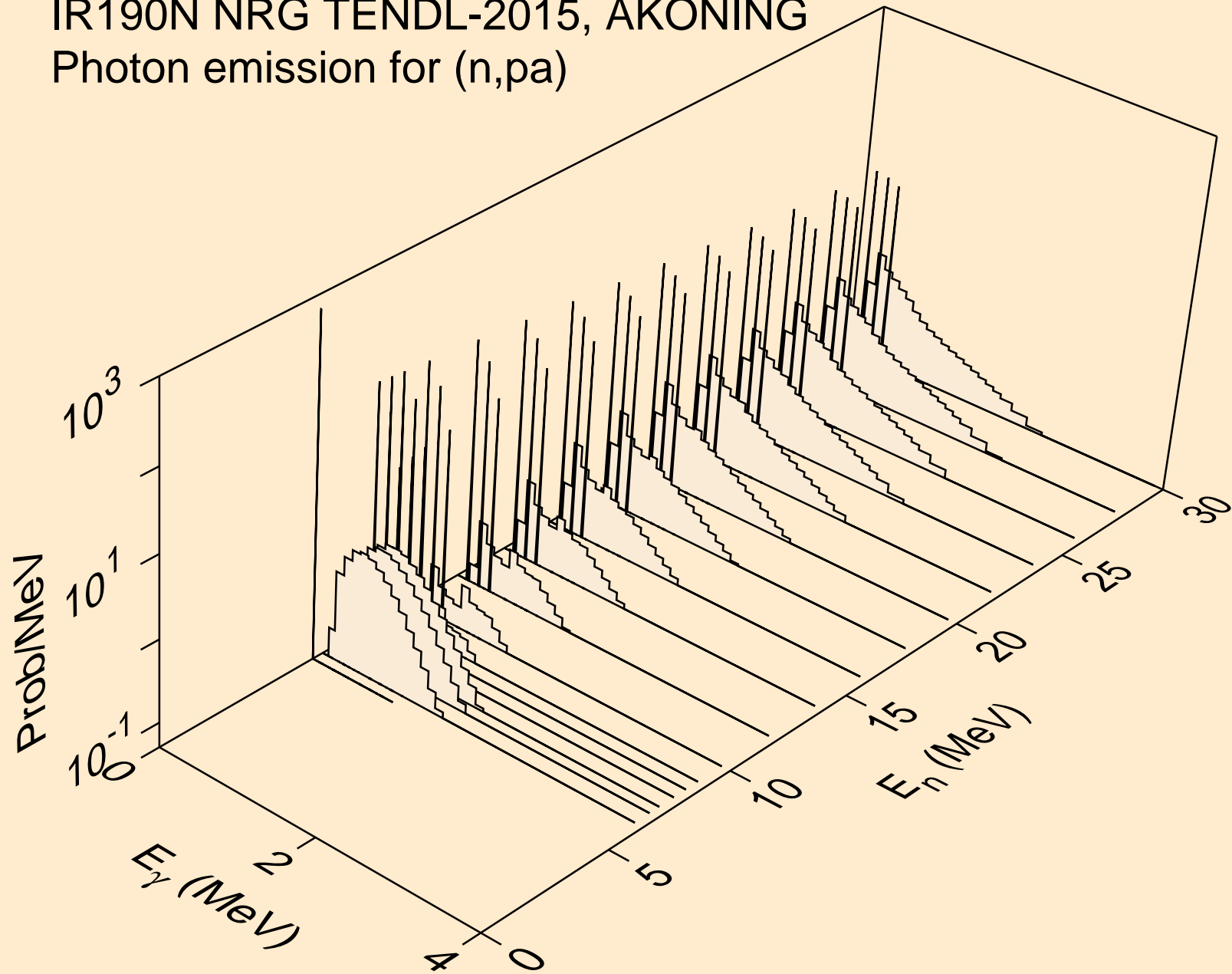
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Photon emission for (n,2a)



IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

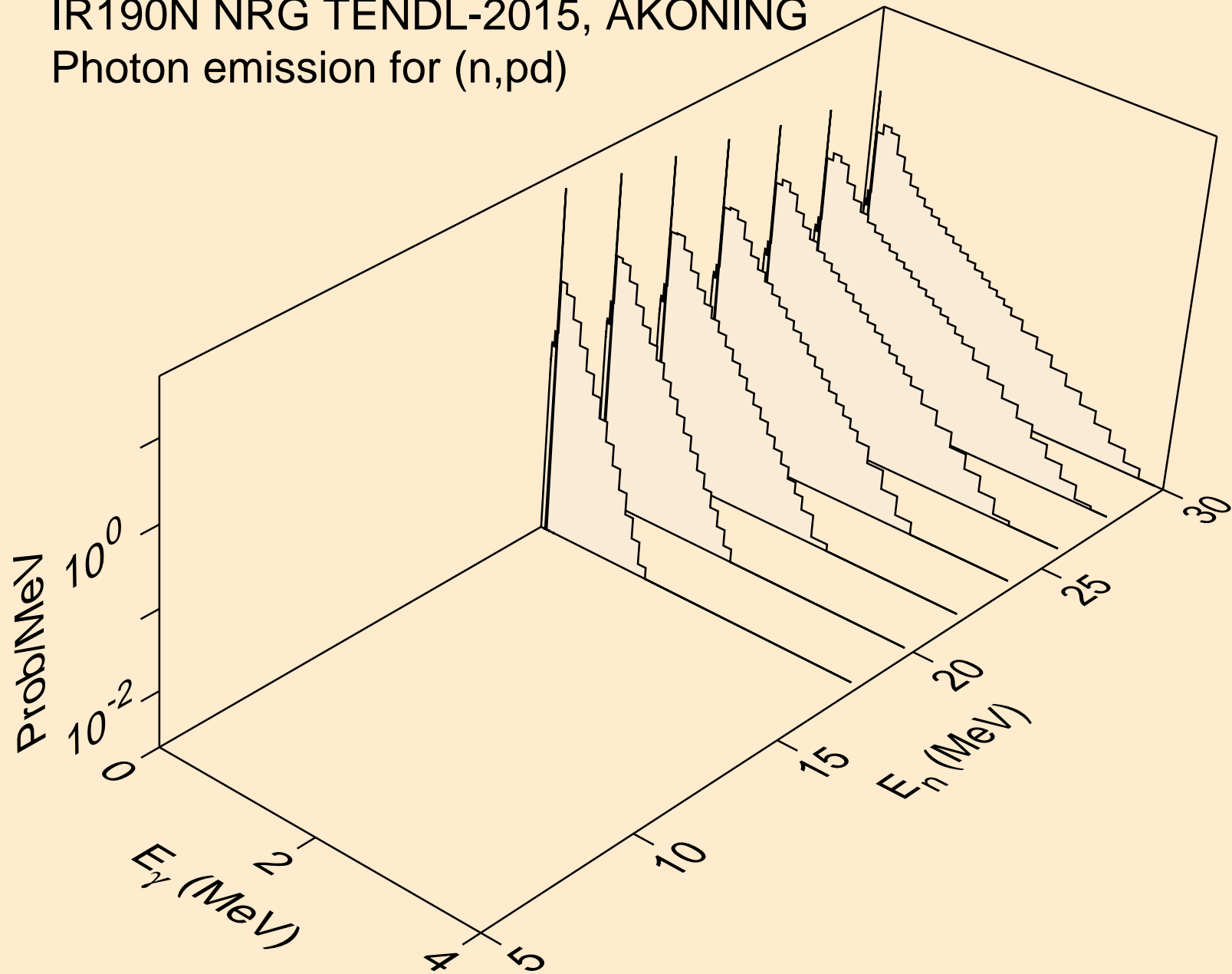


IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,p)

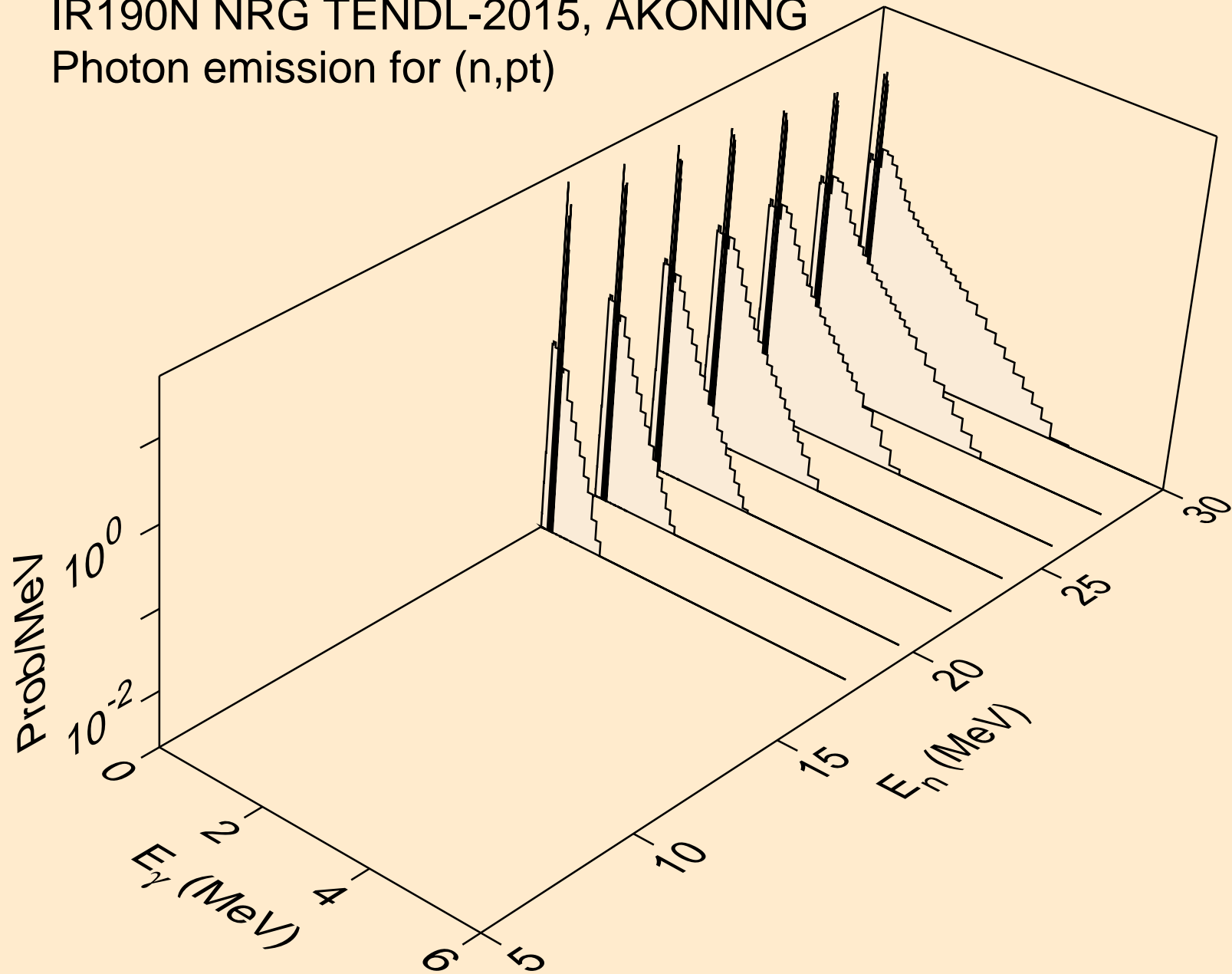




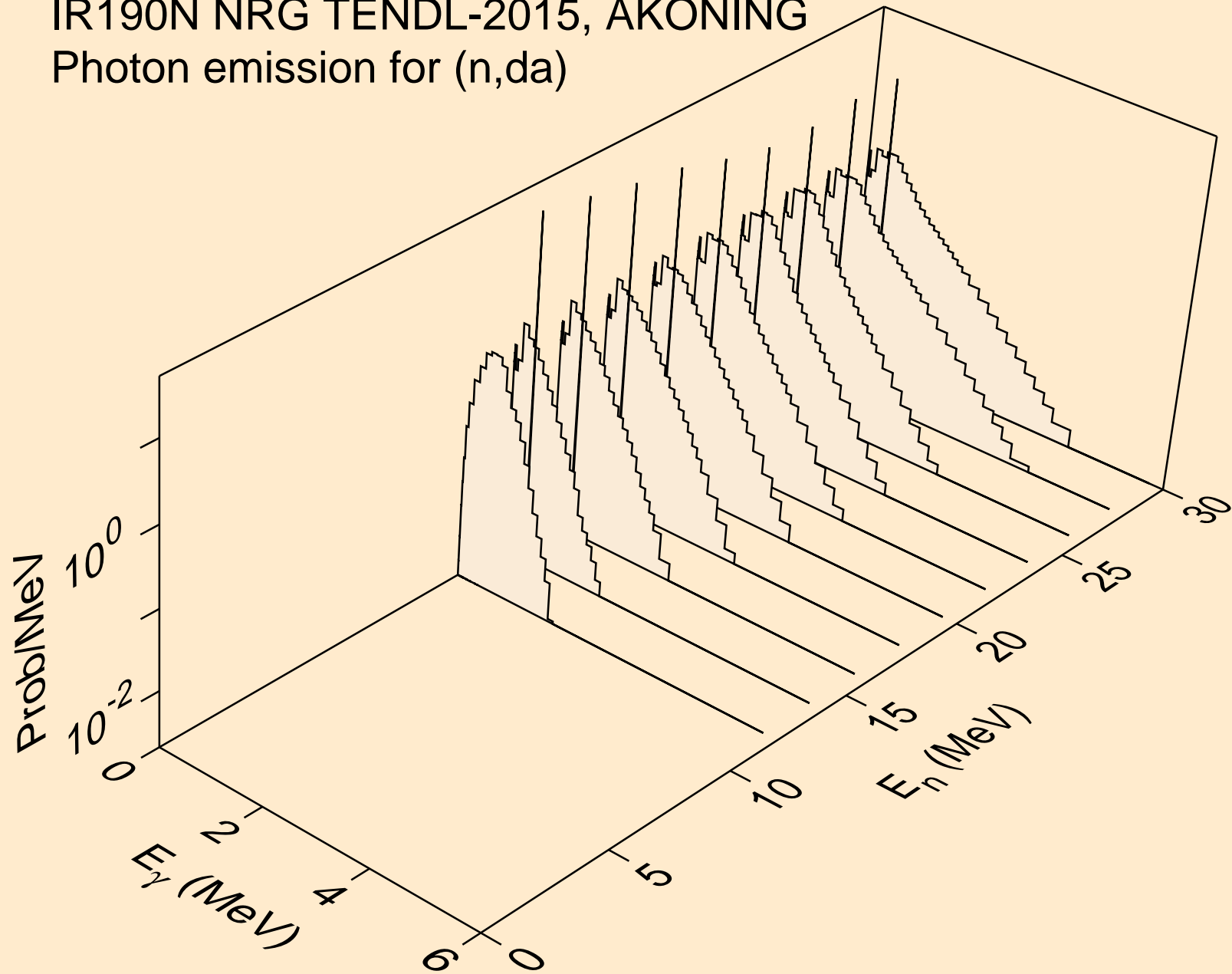
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



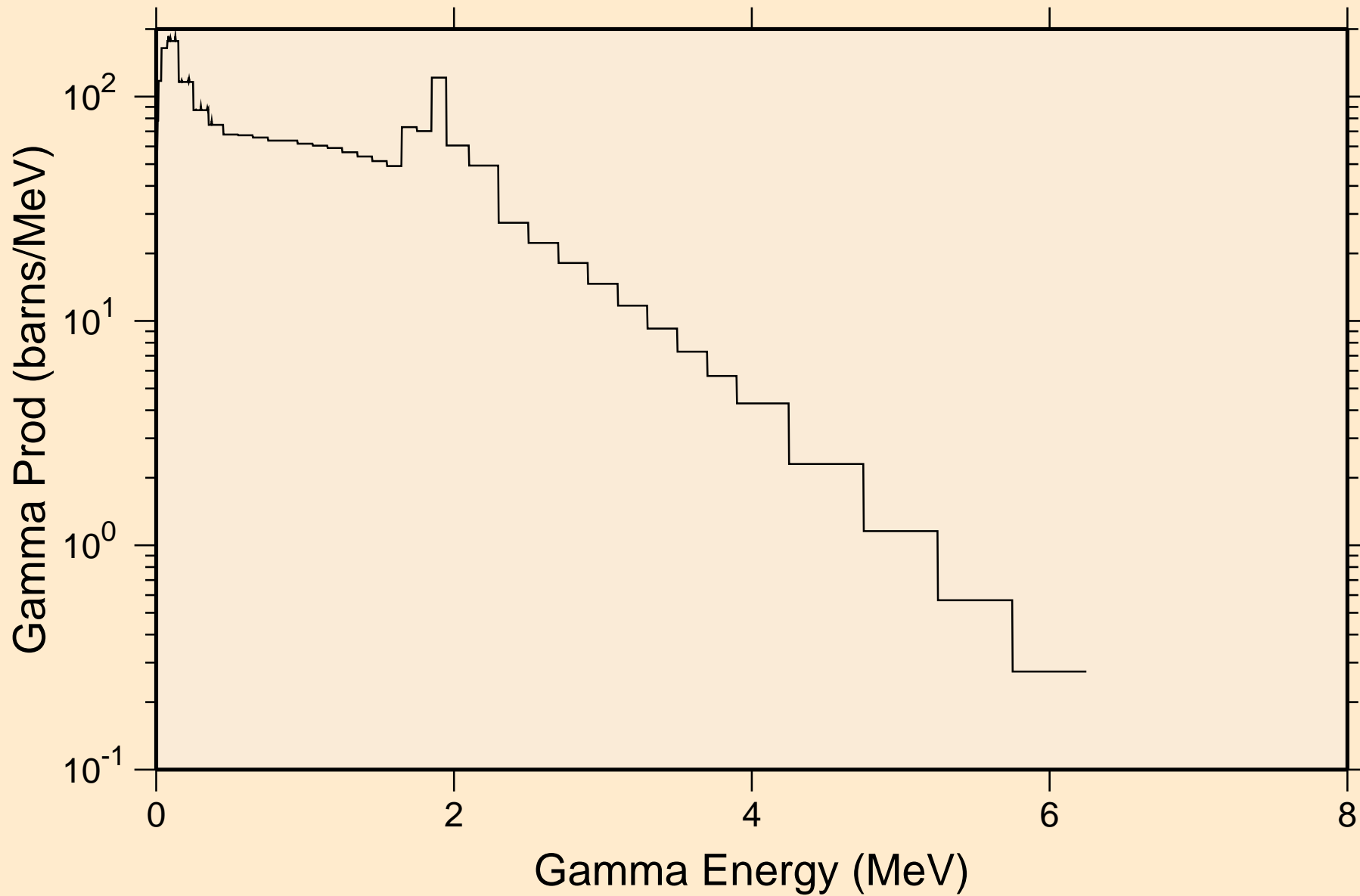
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



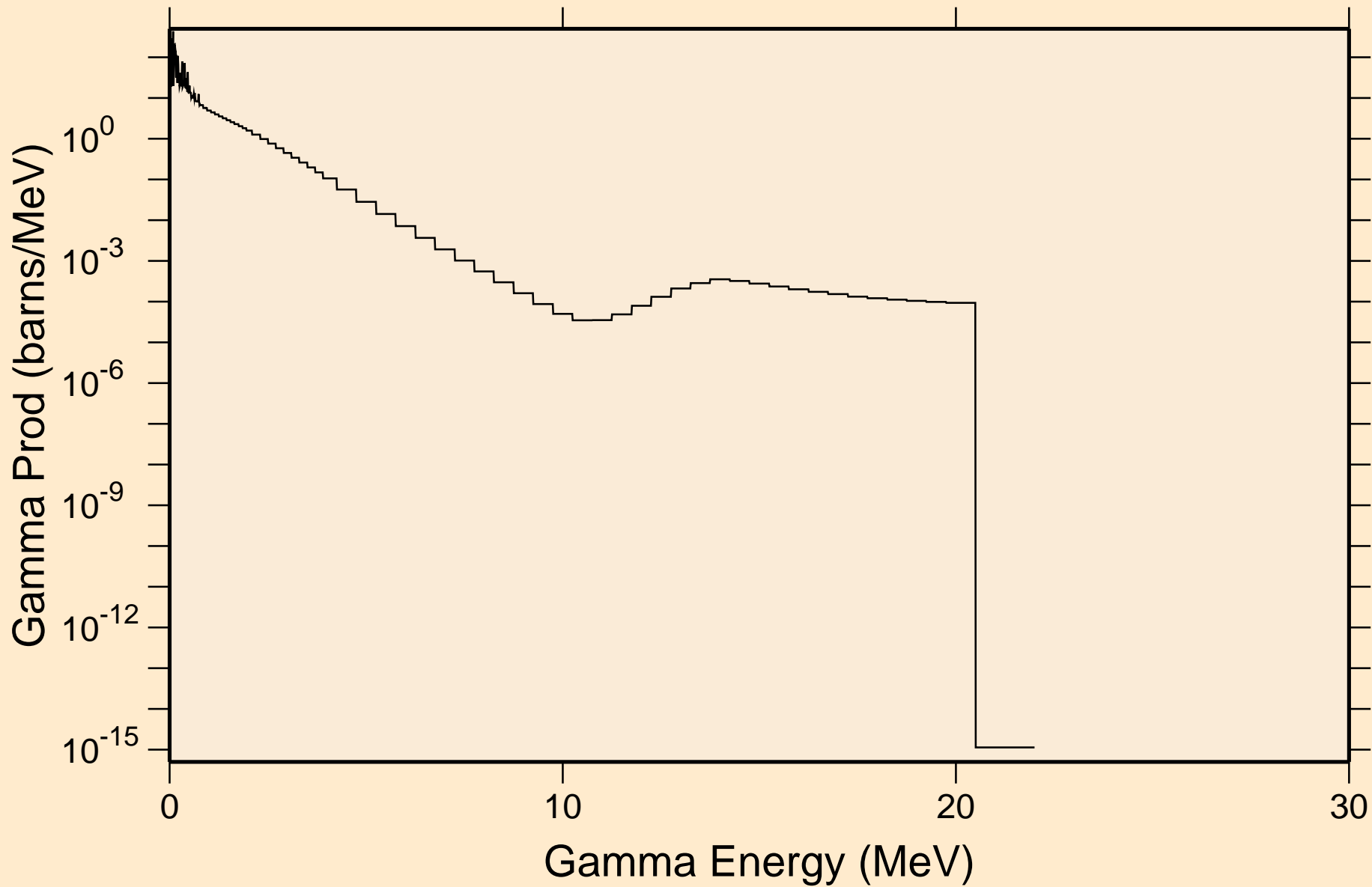
IR190N NRG TENDL-2015, AKONING  
Photon emission for (n,da)



IR190N NRG TENDL-2015, AKONING  
thermal capture photon spectrum

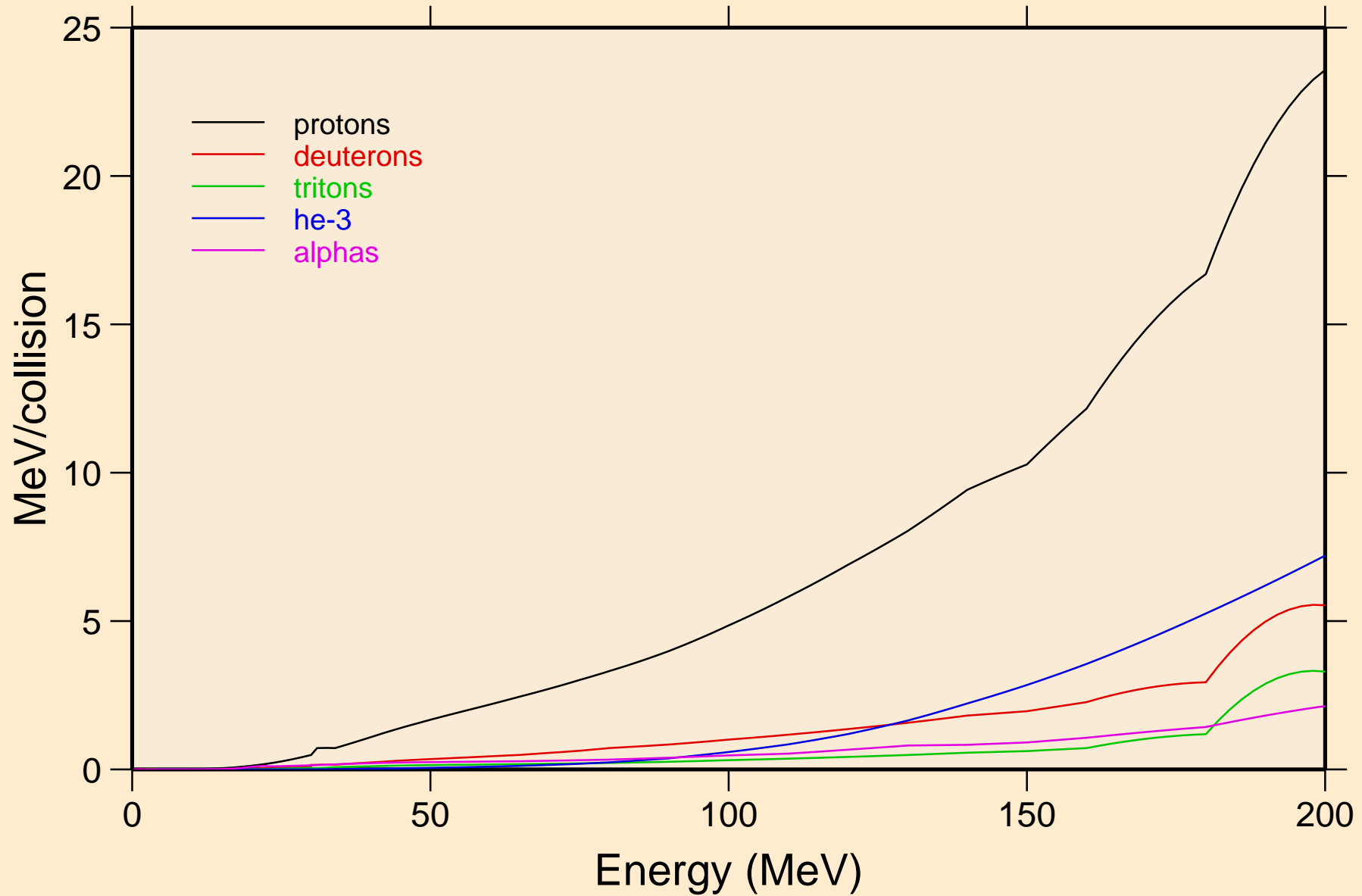


IR190N NRG TENDL-2015, AKONING  
14 MeV photon spectrum



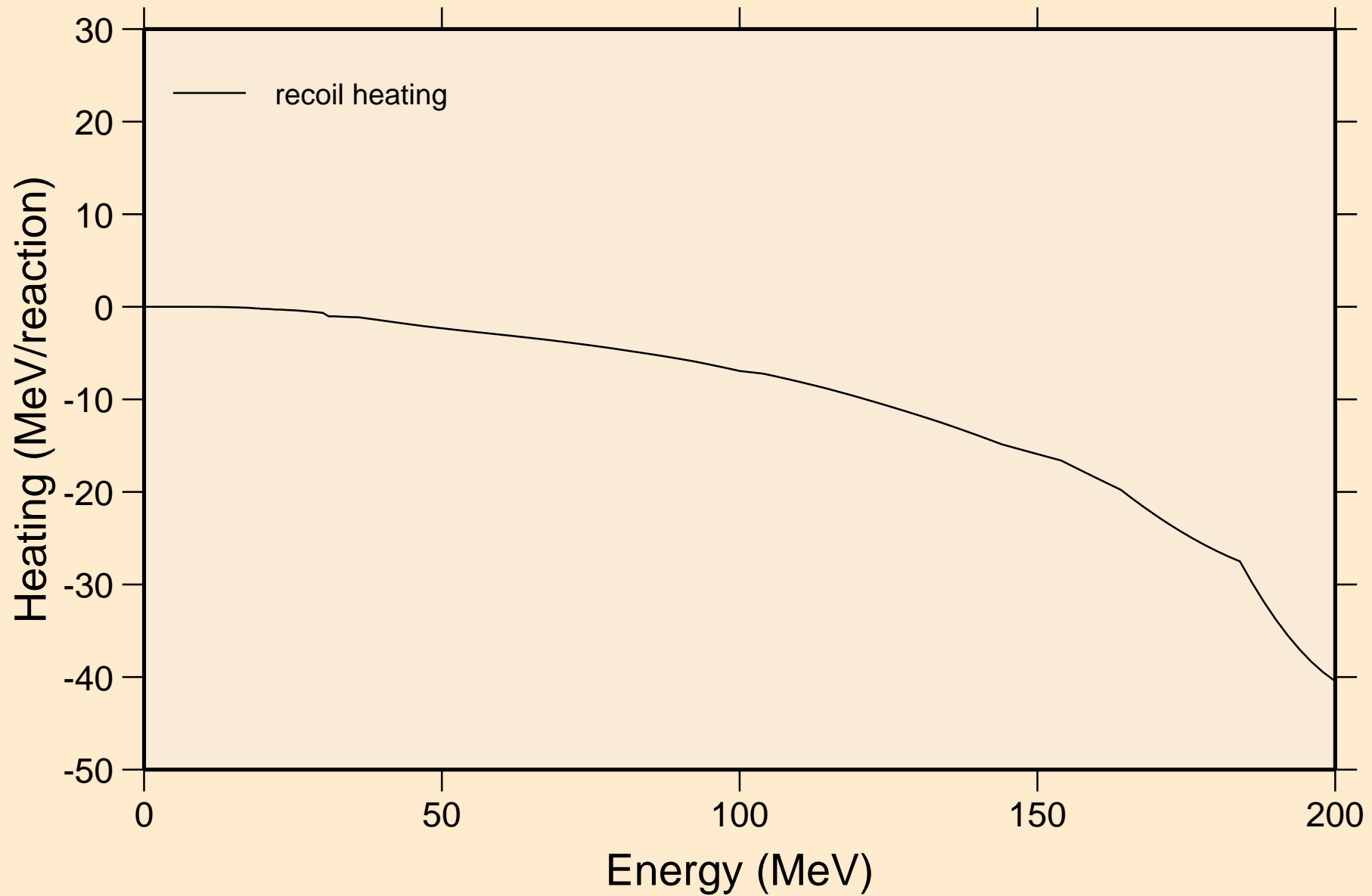
# IR190N NRG TENDL-2015, AKONING

## Particle heating contributions



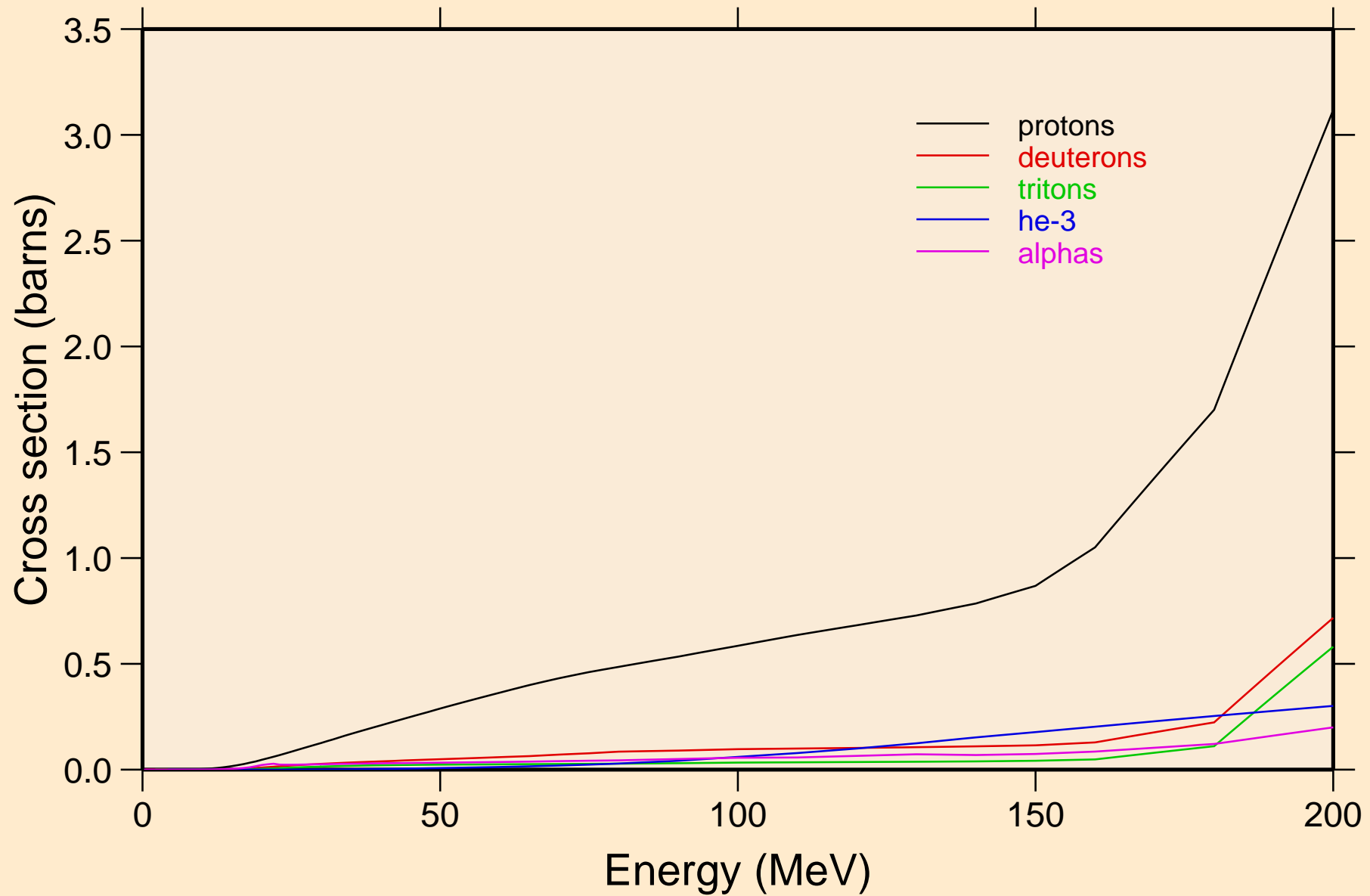
# IR190N NRG TENDL-2015, AKONING

## Recoil Heating



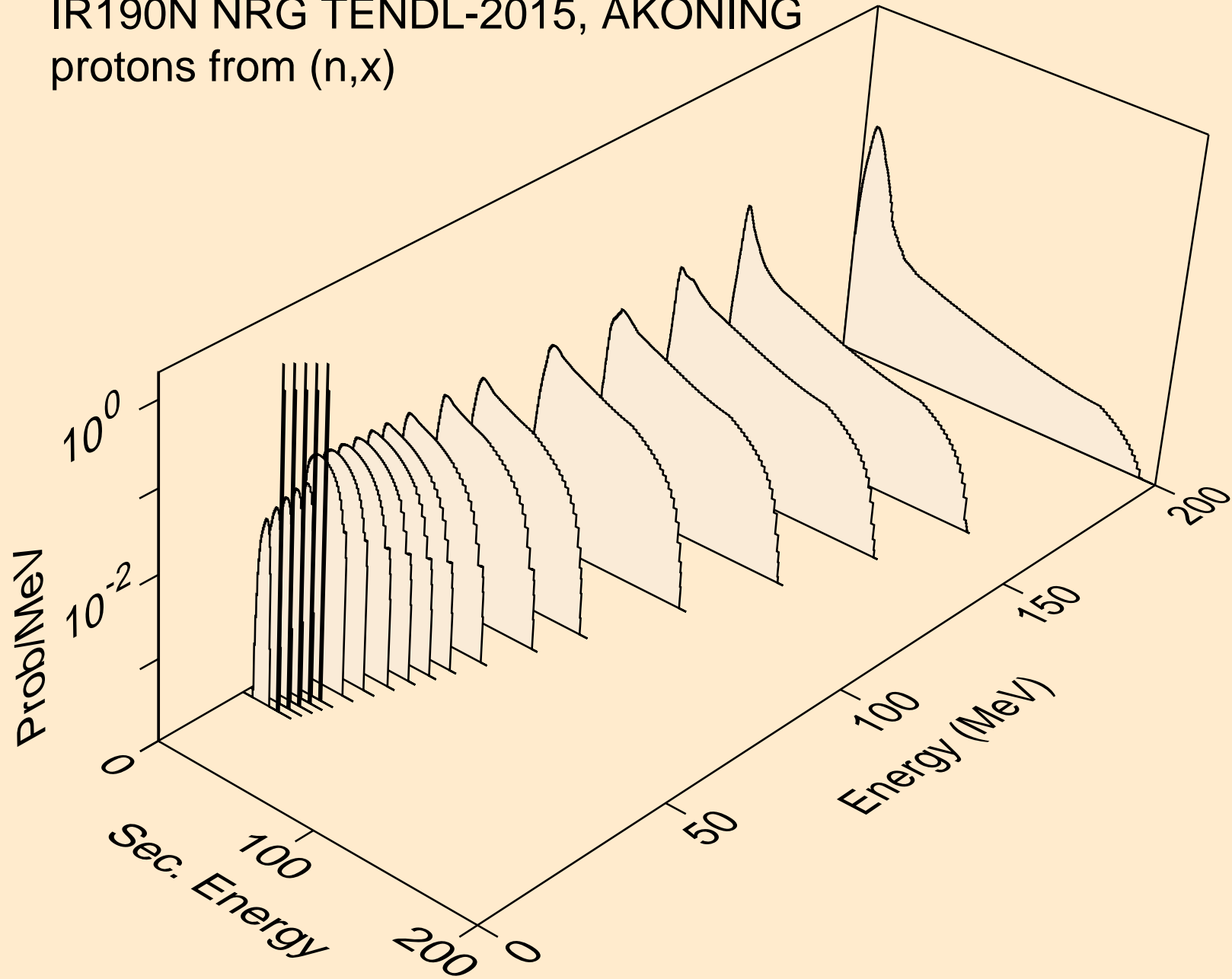
# IR190N NRG TENDL-2015, AKONING

## Particle production cross sections

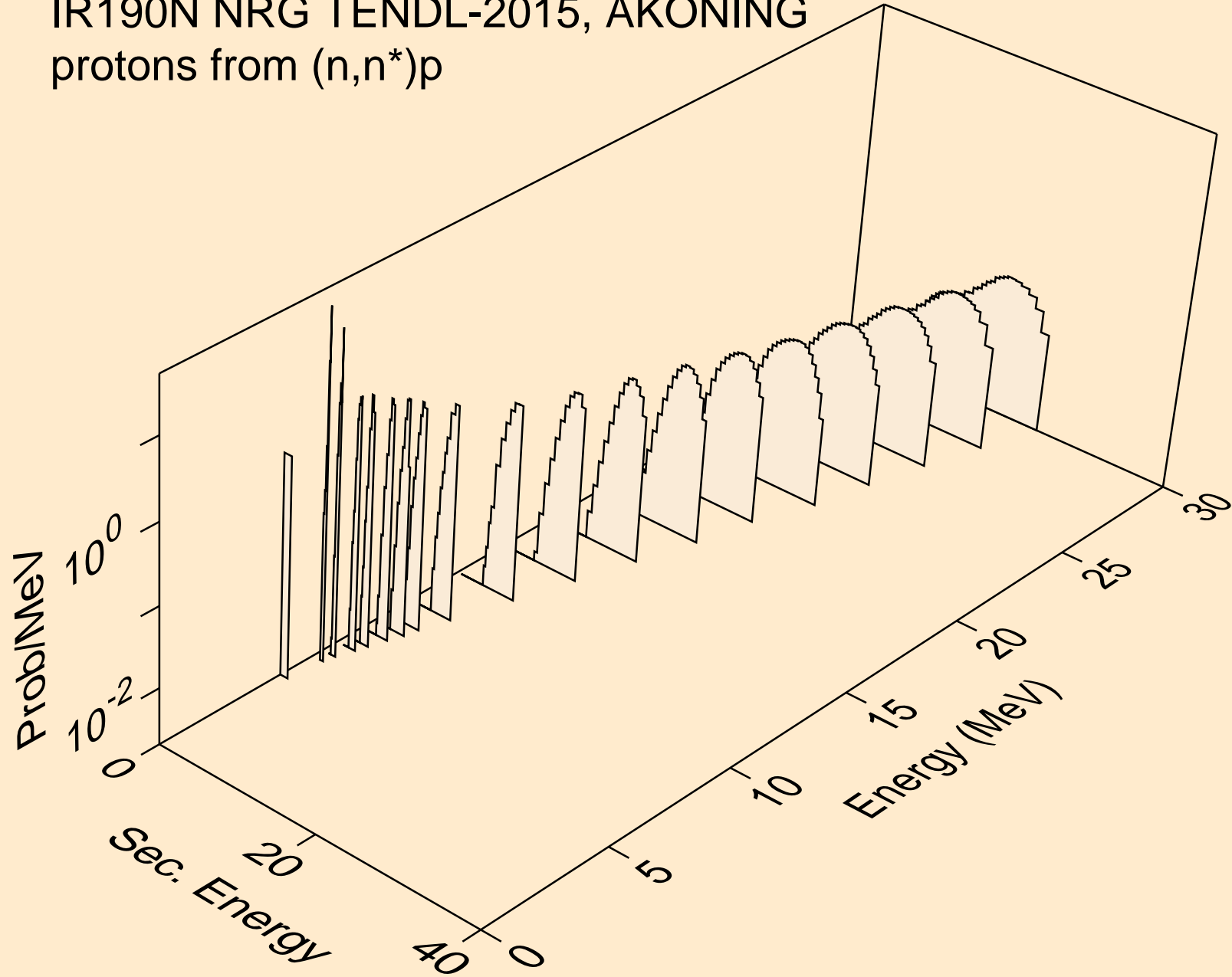




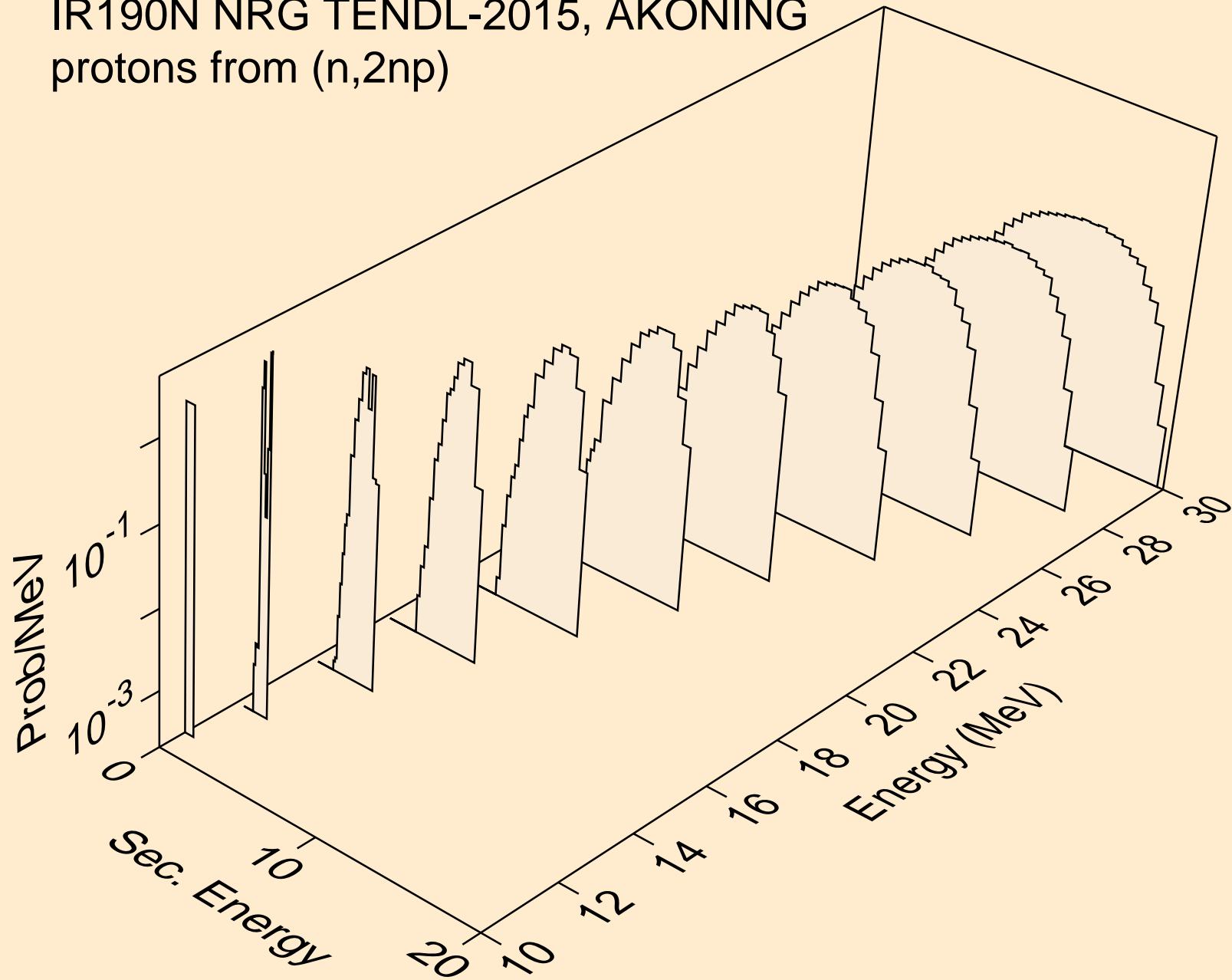
IR190N NRG TENDL-2015, AKONING  
protons from (n,x)



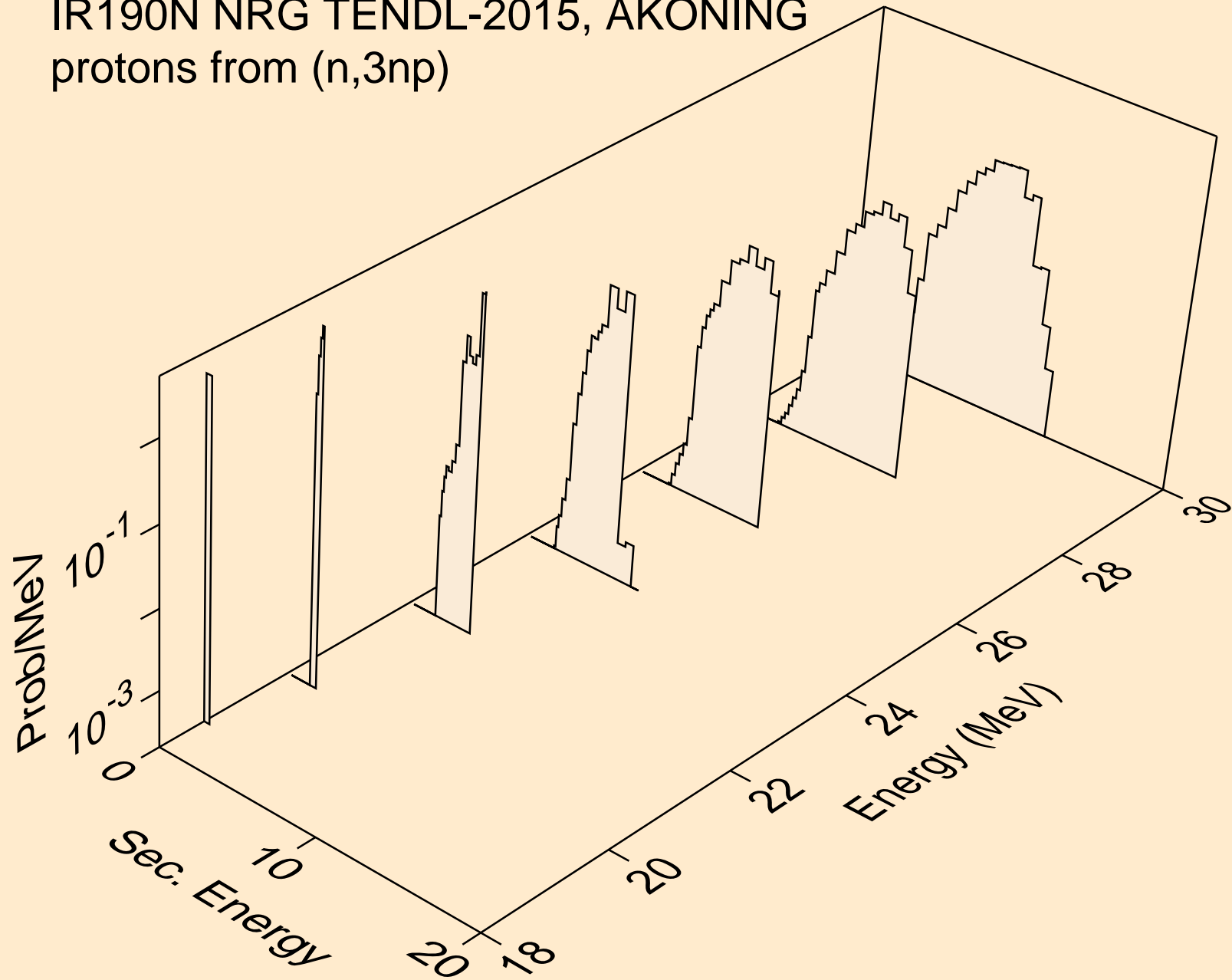
IR190N NRG TENDL-2015, AKONING  
protons from (n,n\*)p



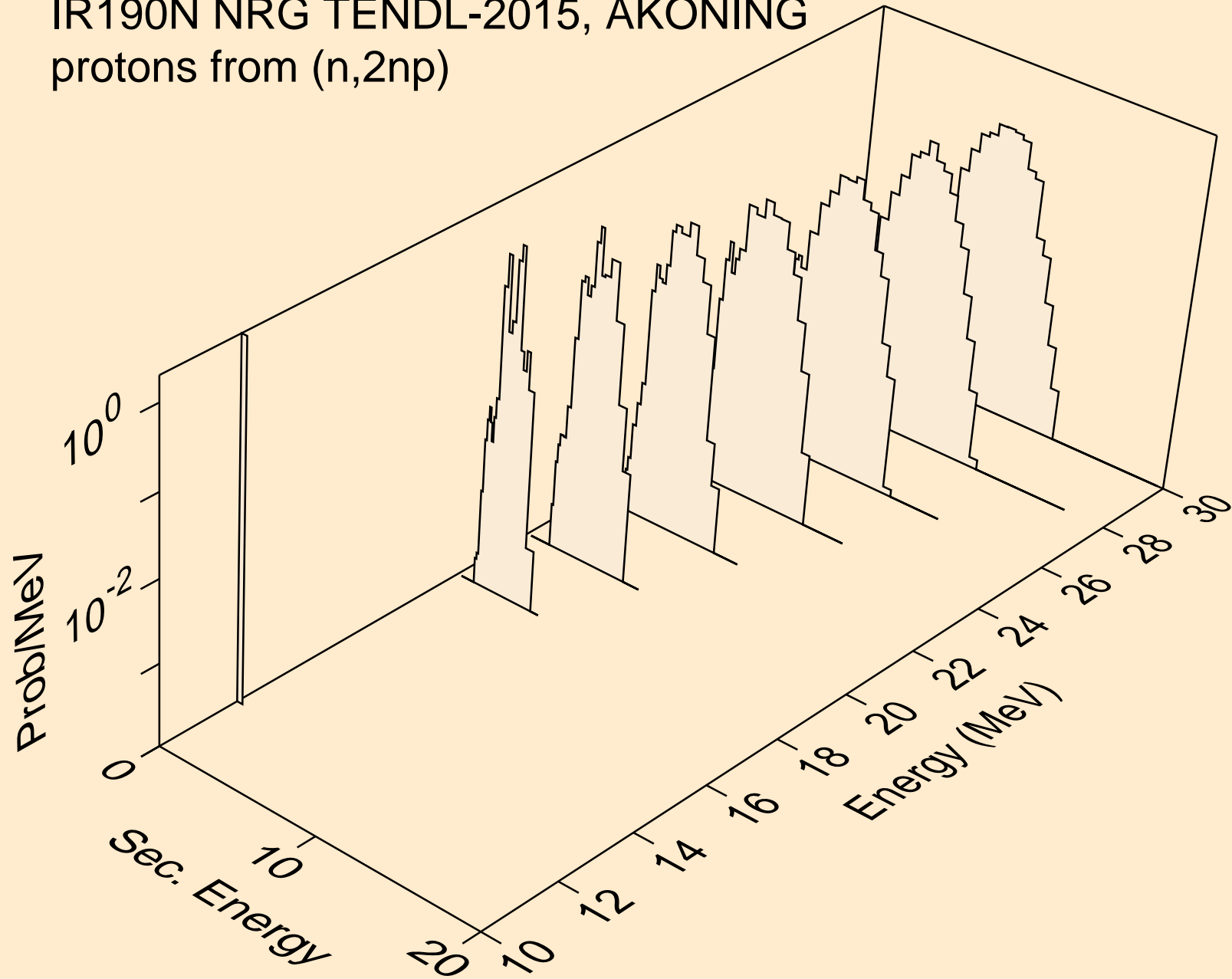
IR190N NRG TENDL-2015, AKONING  
protons from (n,2np)



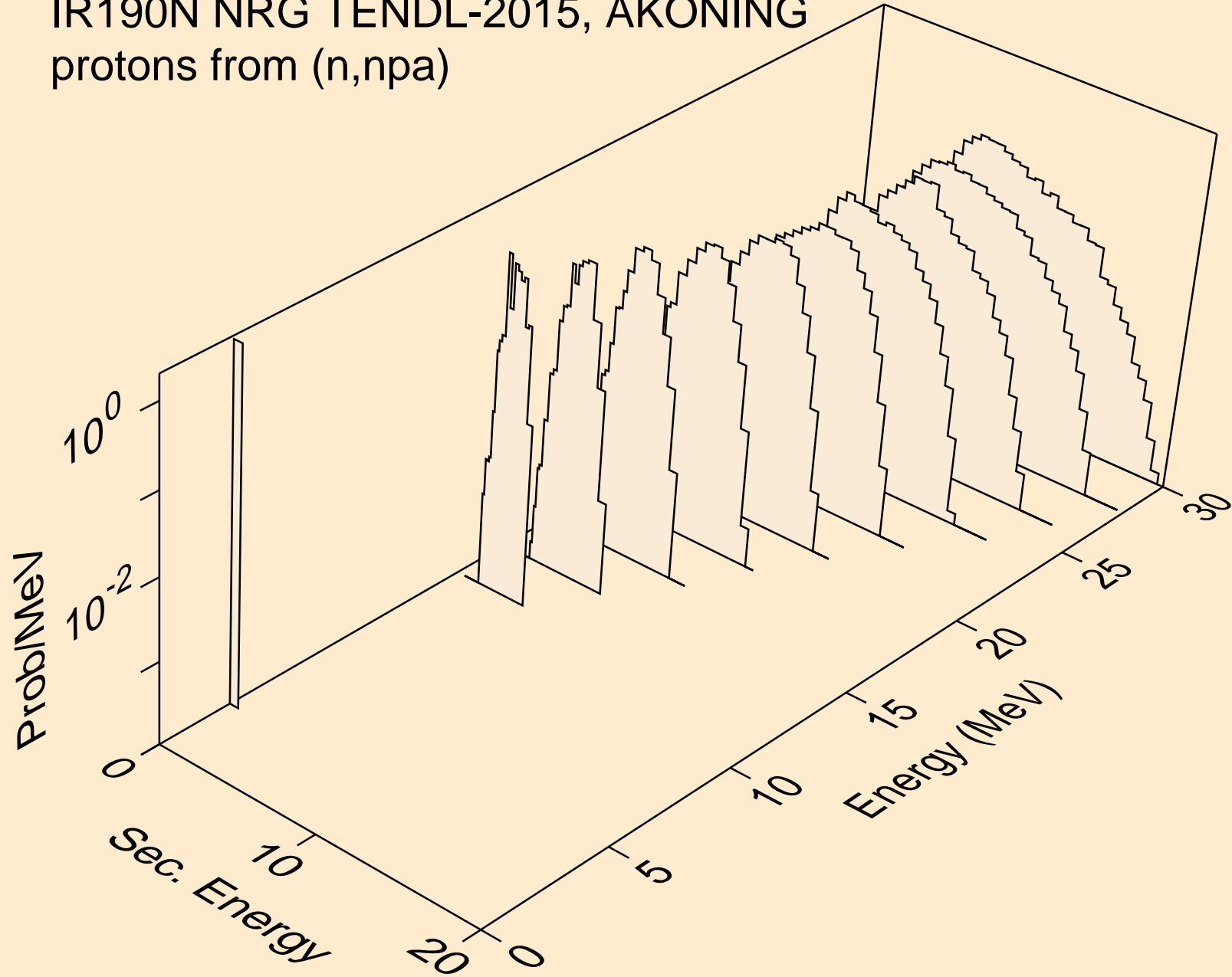
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protons from (n,3np)



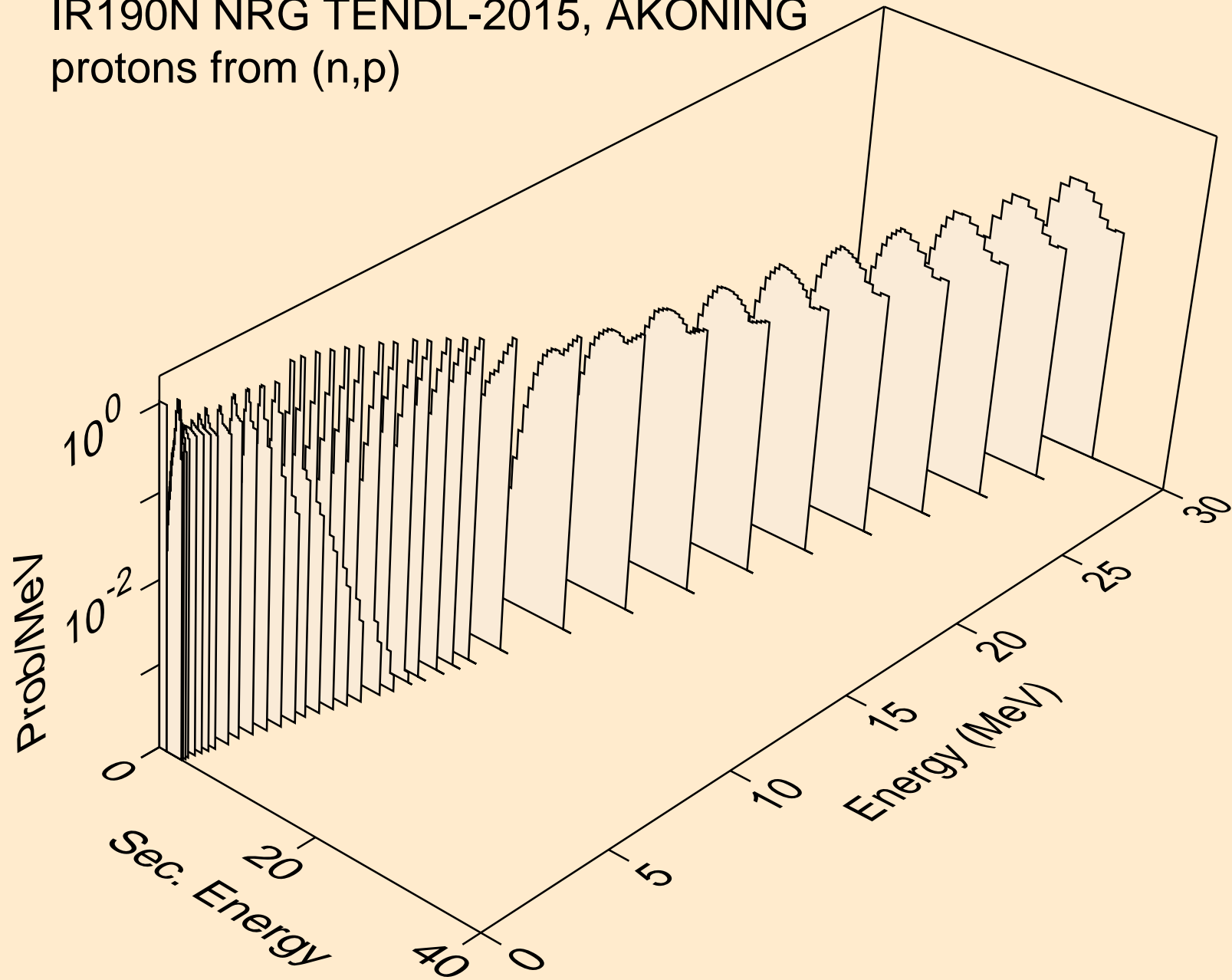
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protons from (n,2np)



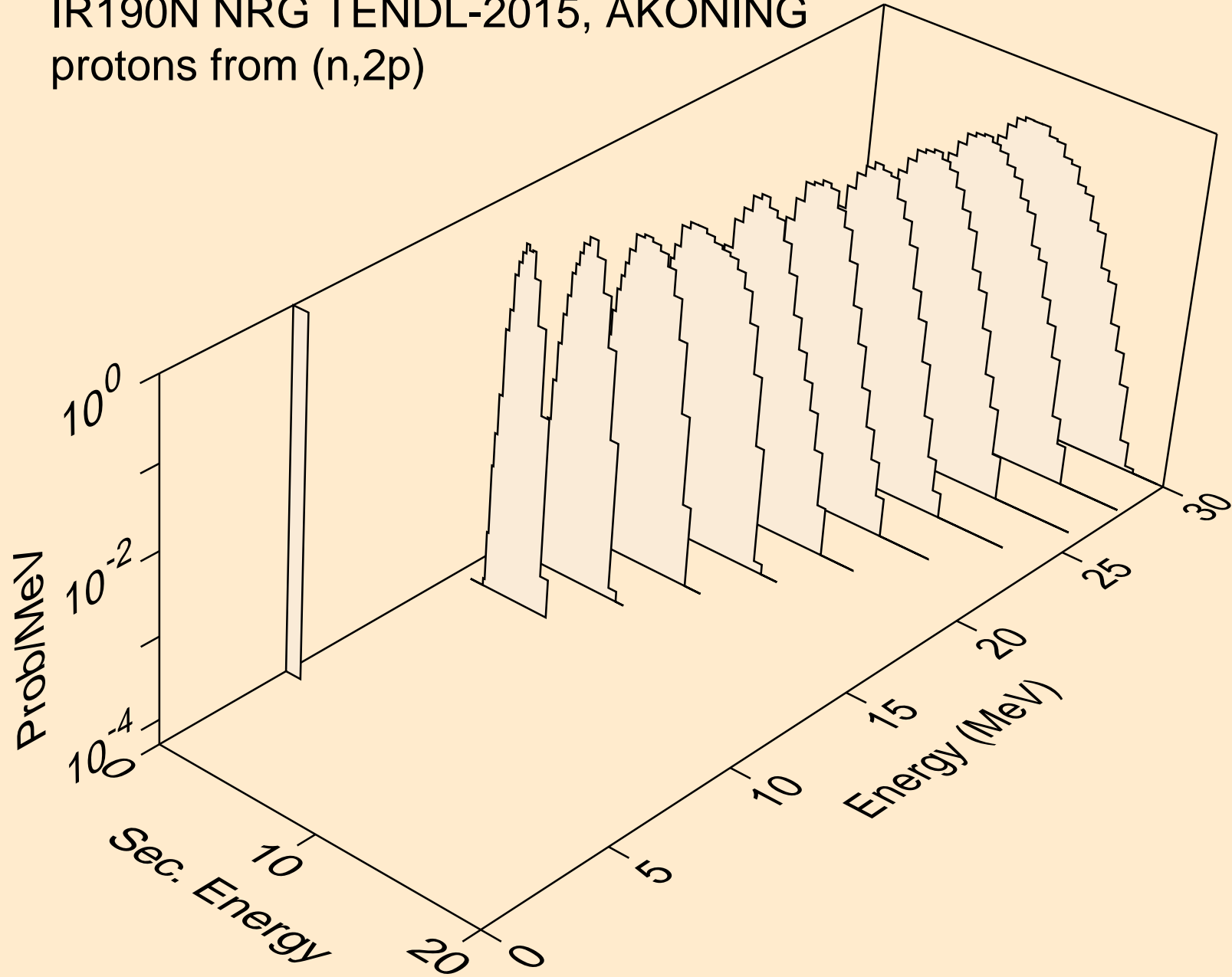
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protons from (n,npa)



IR190N NRG TENDL-2015, AKONING  
protons from (n,p)

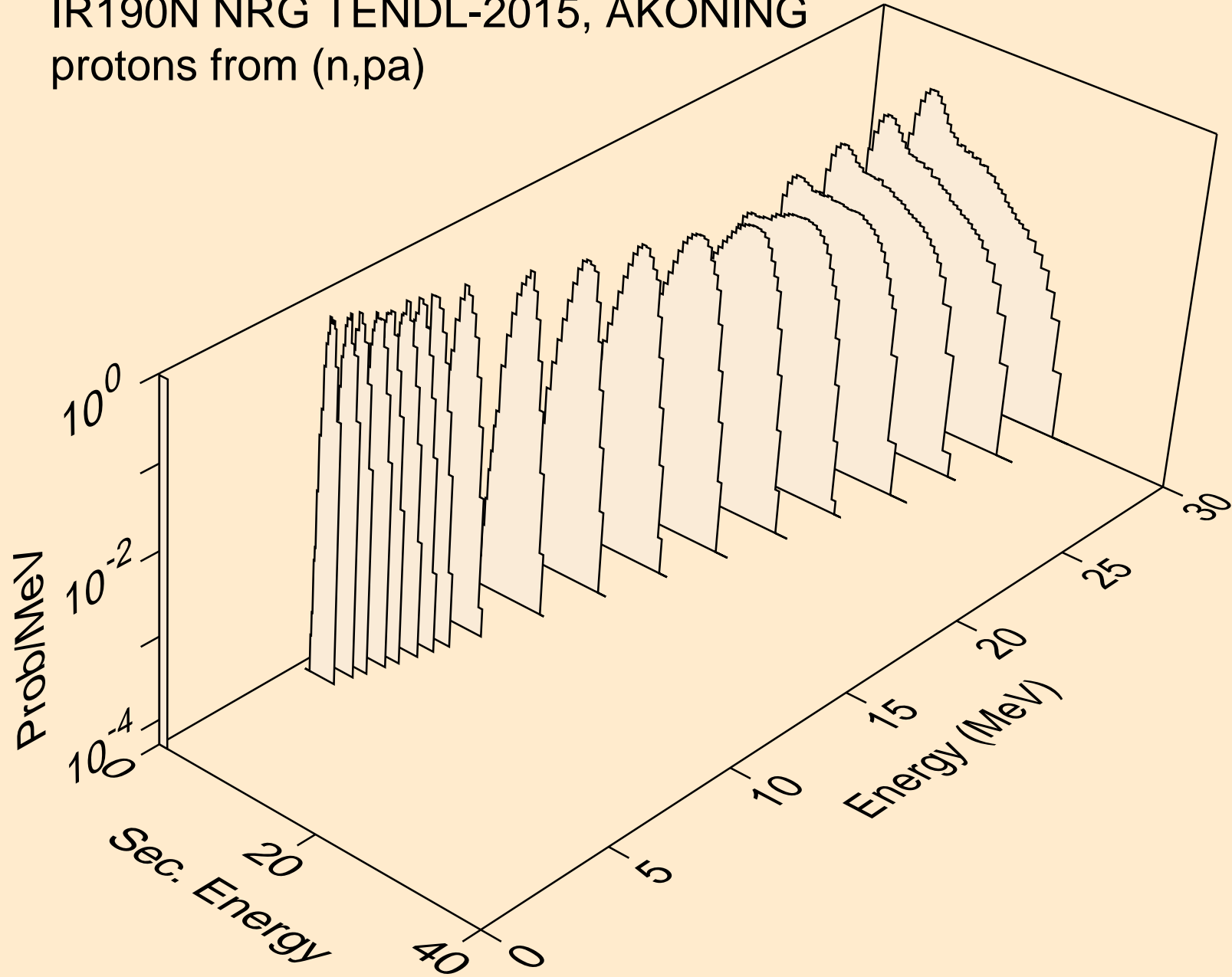


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protons from (n,2p)

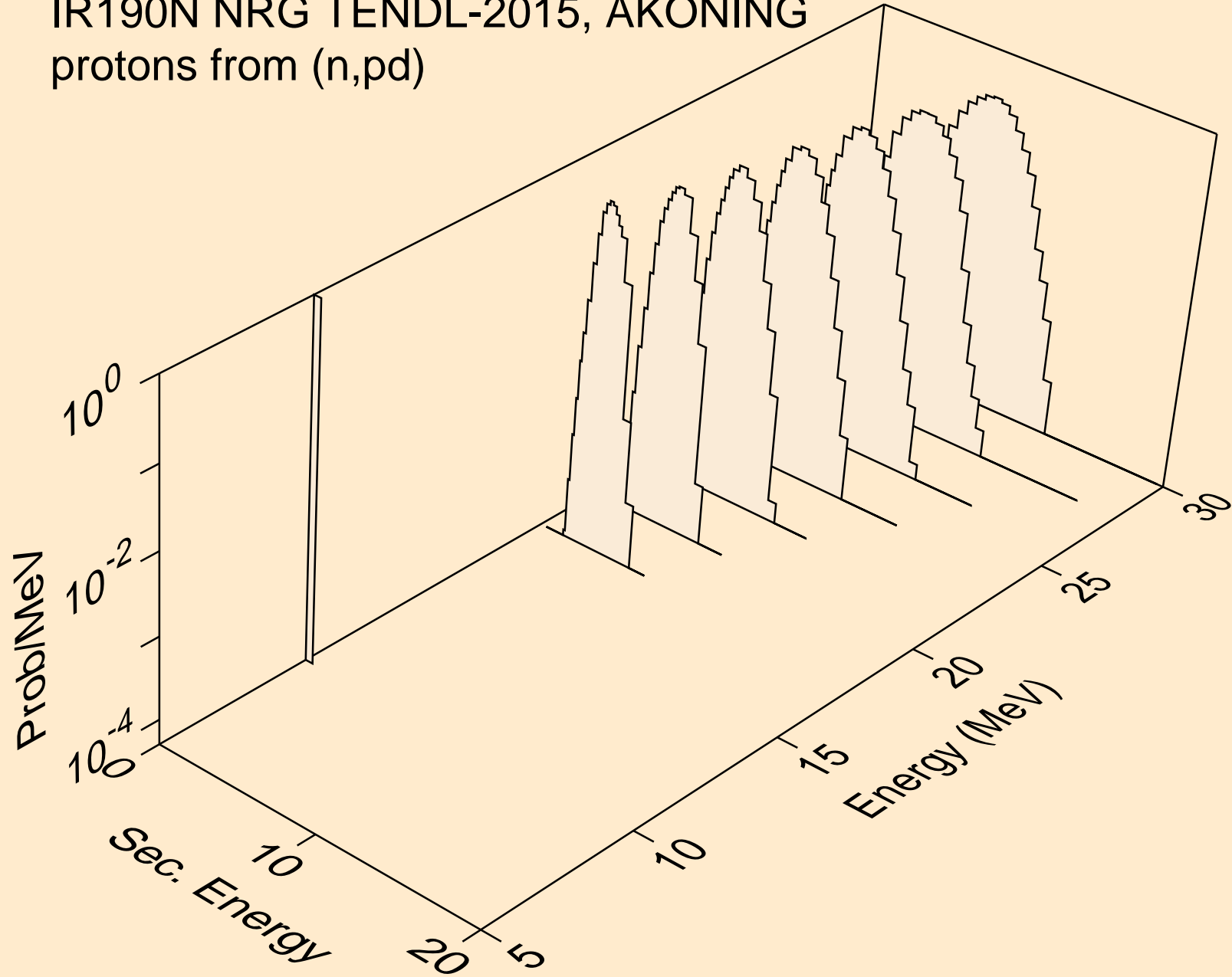




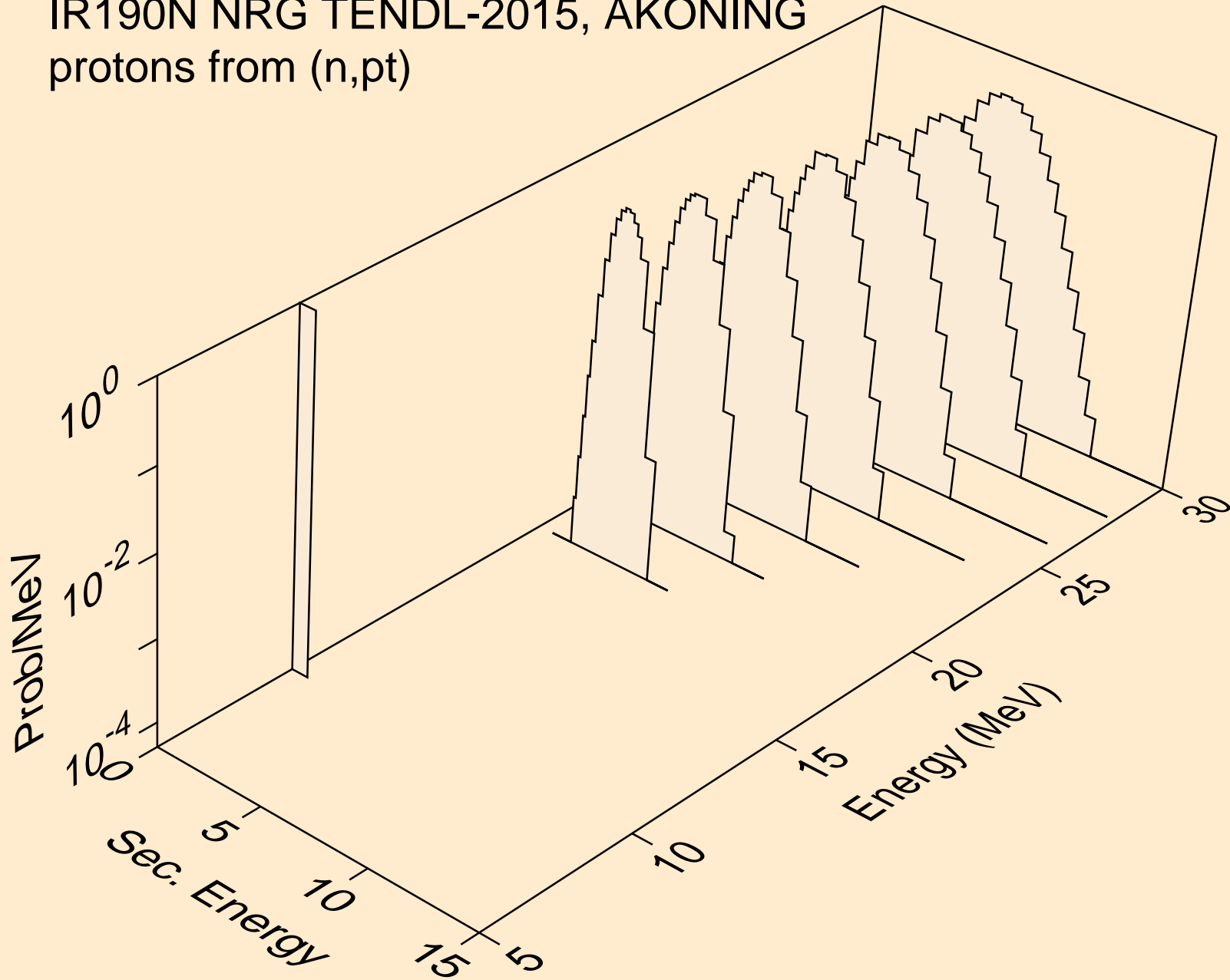
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protons from (n,pa)



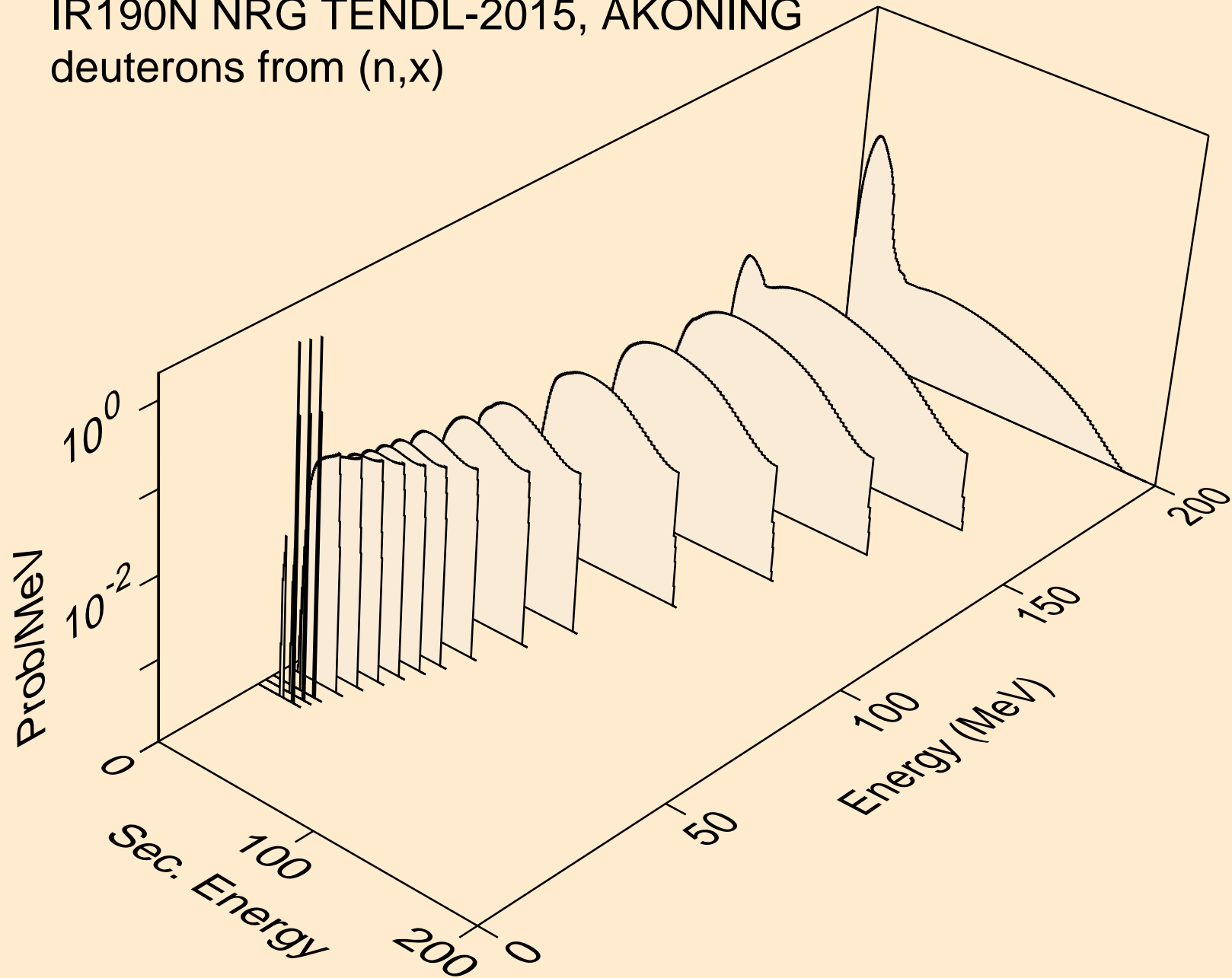
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protons from (n,pd)



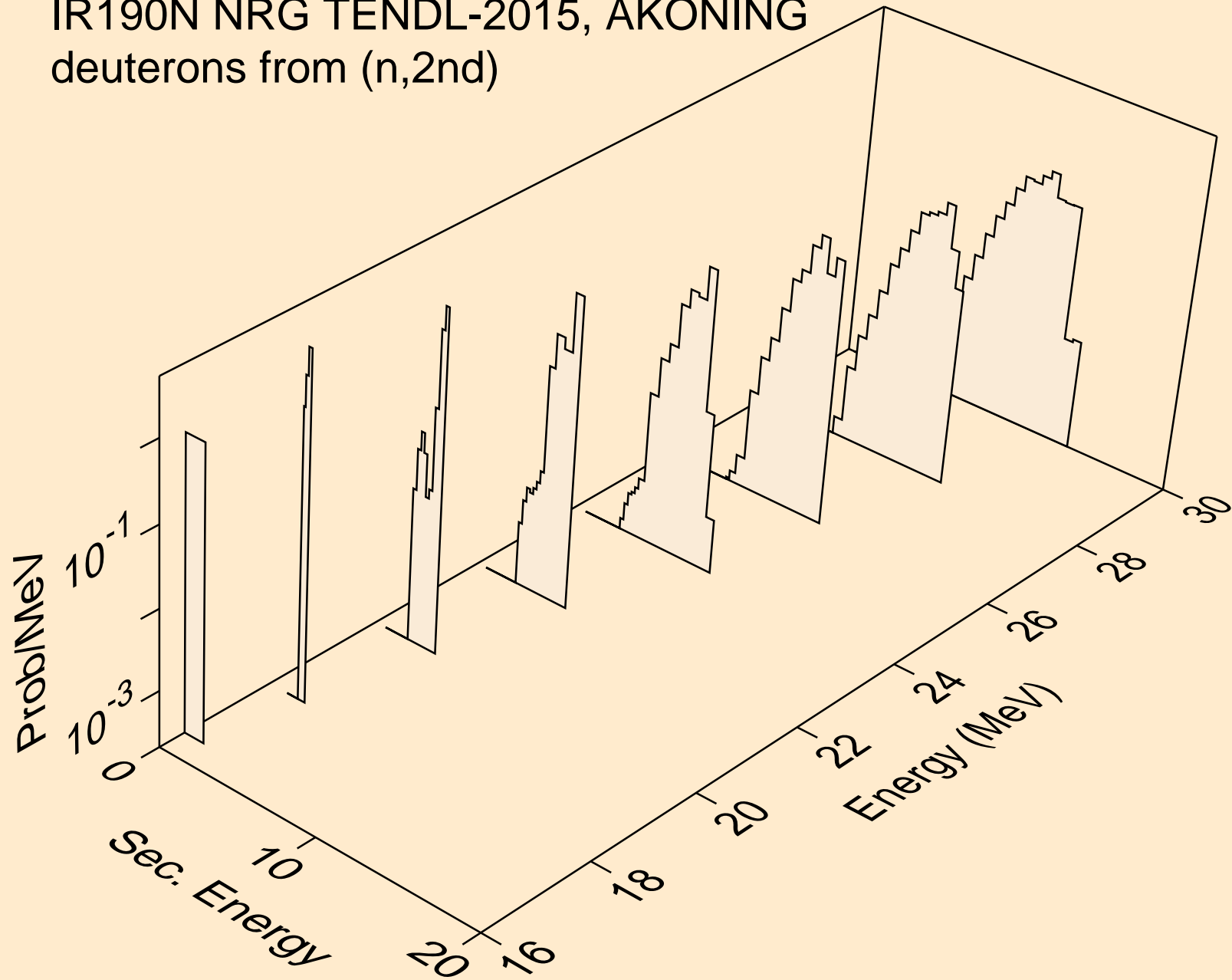
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protons from (n,pt)



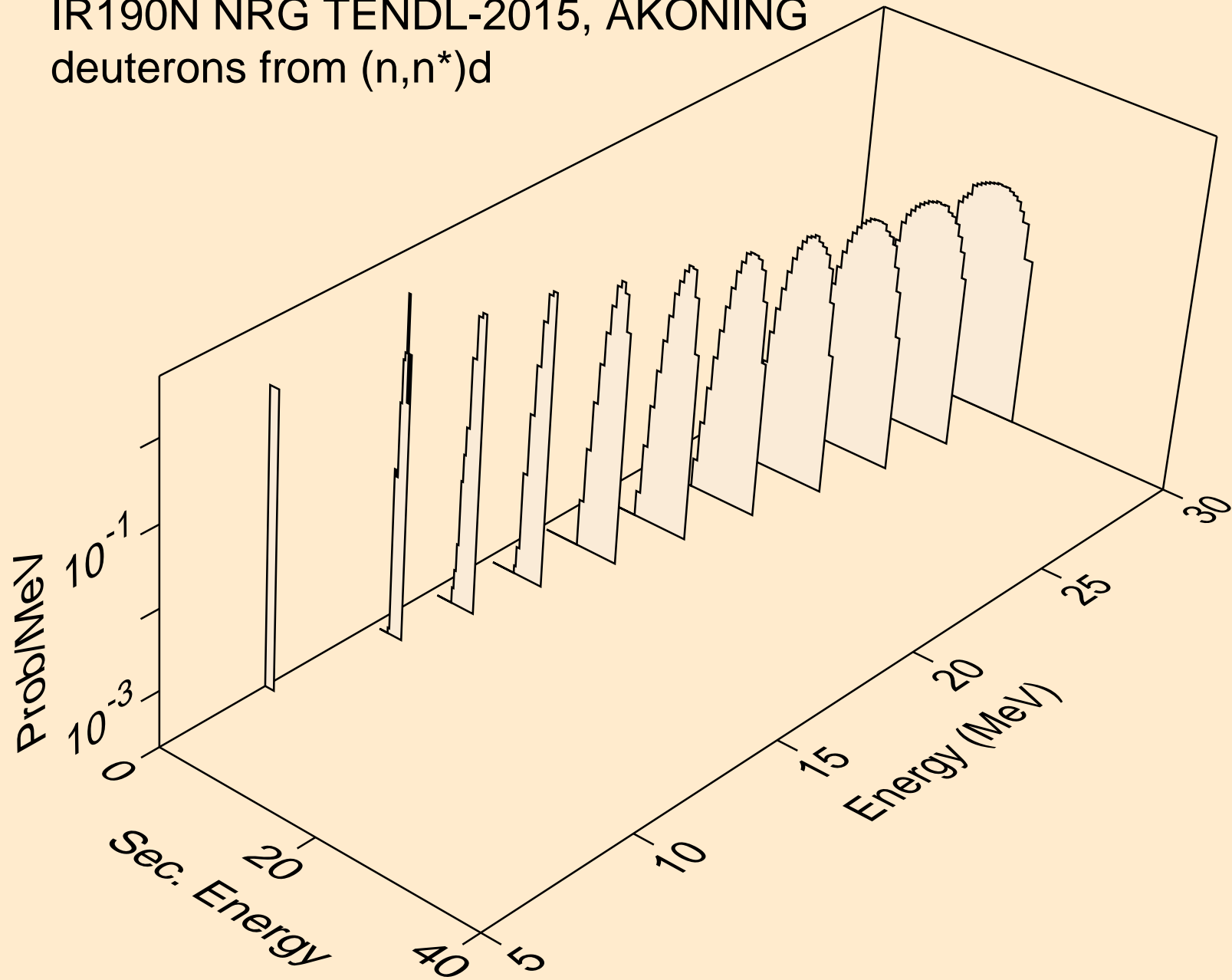
IR190N NRG TENDL-2015, AKONING  
deuterons from (n,x)



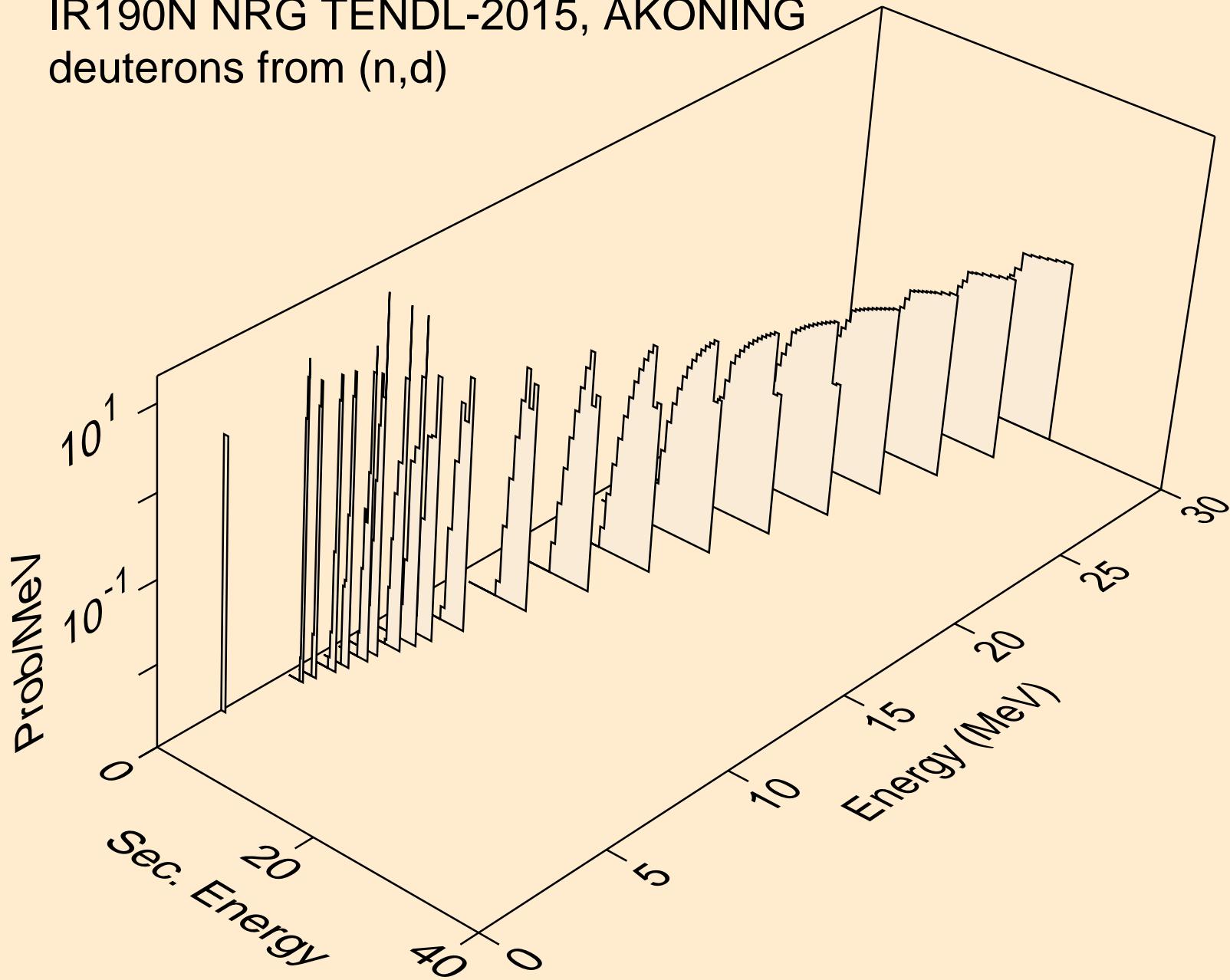
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deuterons from (n,2nd)



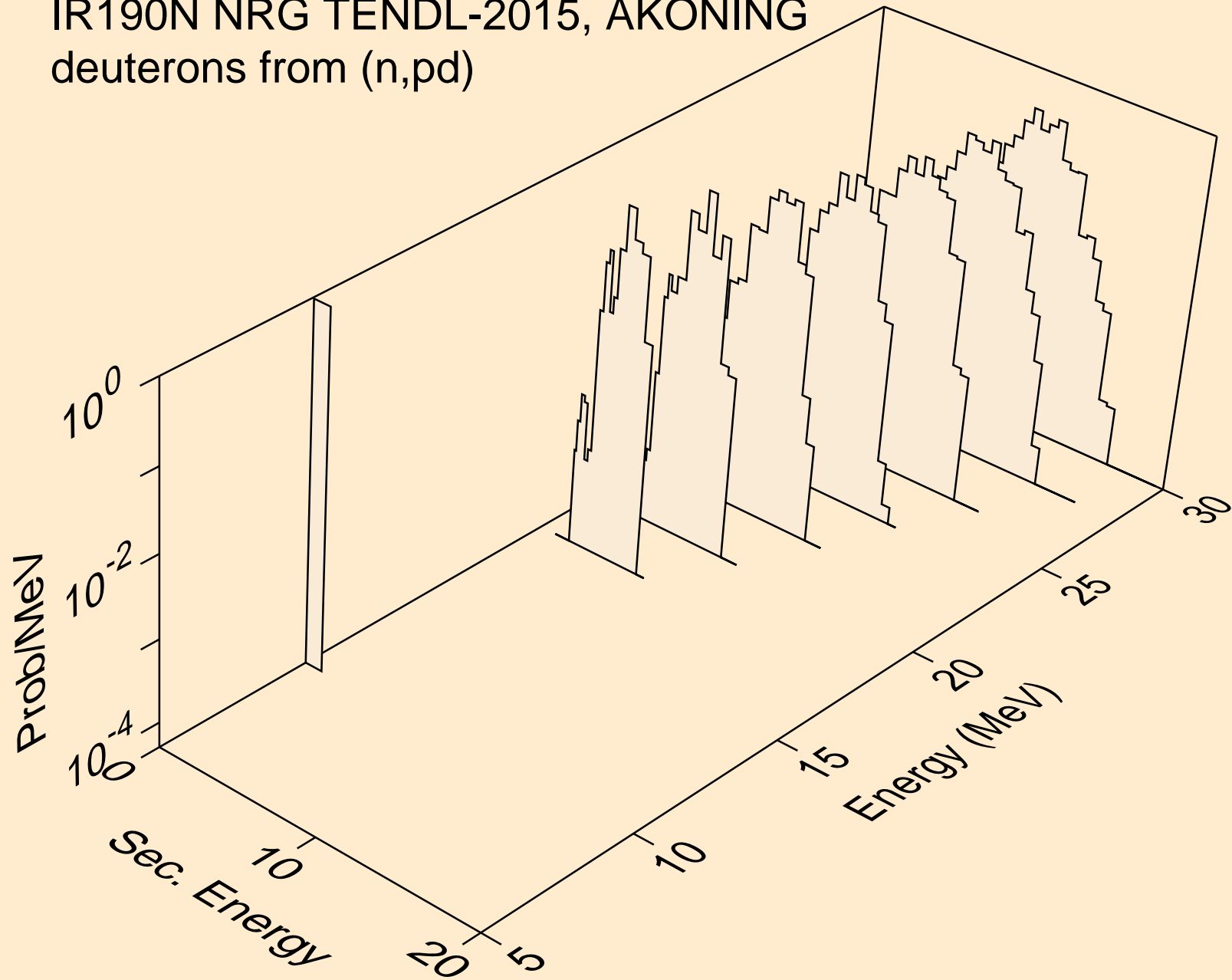
IR190N NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



IR190N NRG TENDL-2015, AKONING  
deuterons from (n,d)

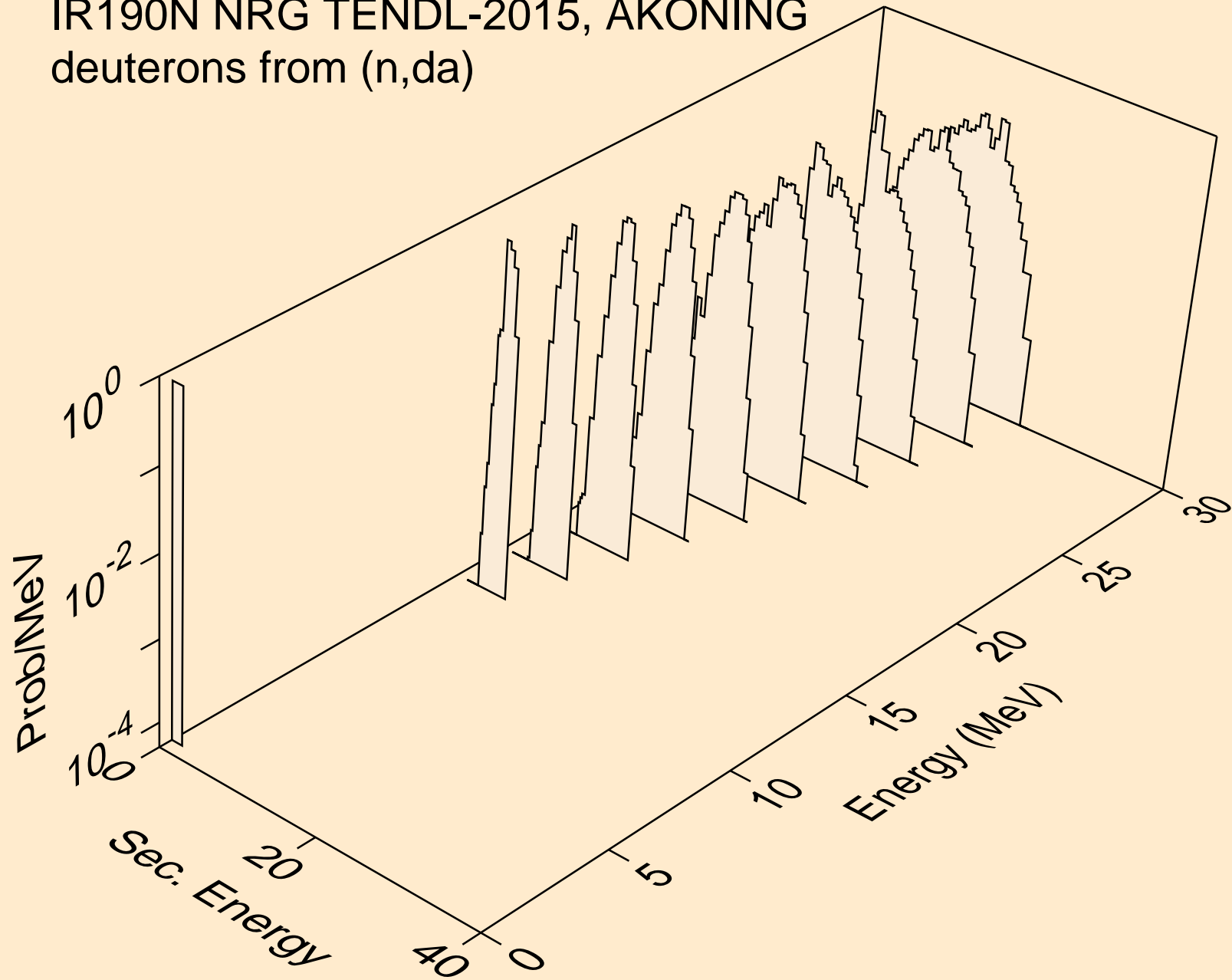


IR190N NRG TENDL-2015, AKONING  
deuterons from (n,pd)

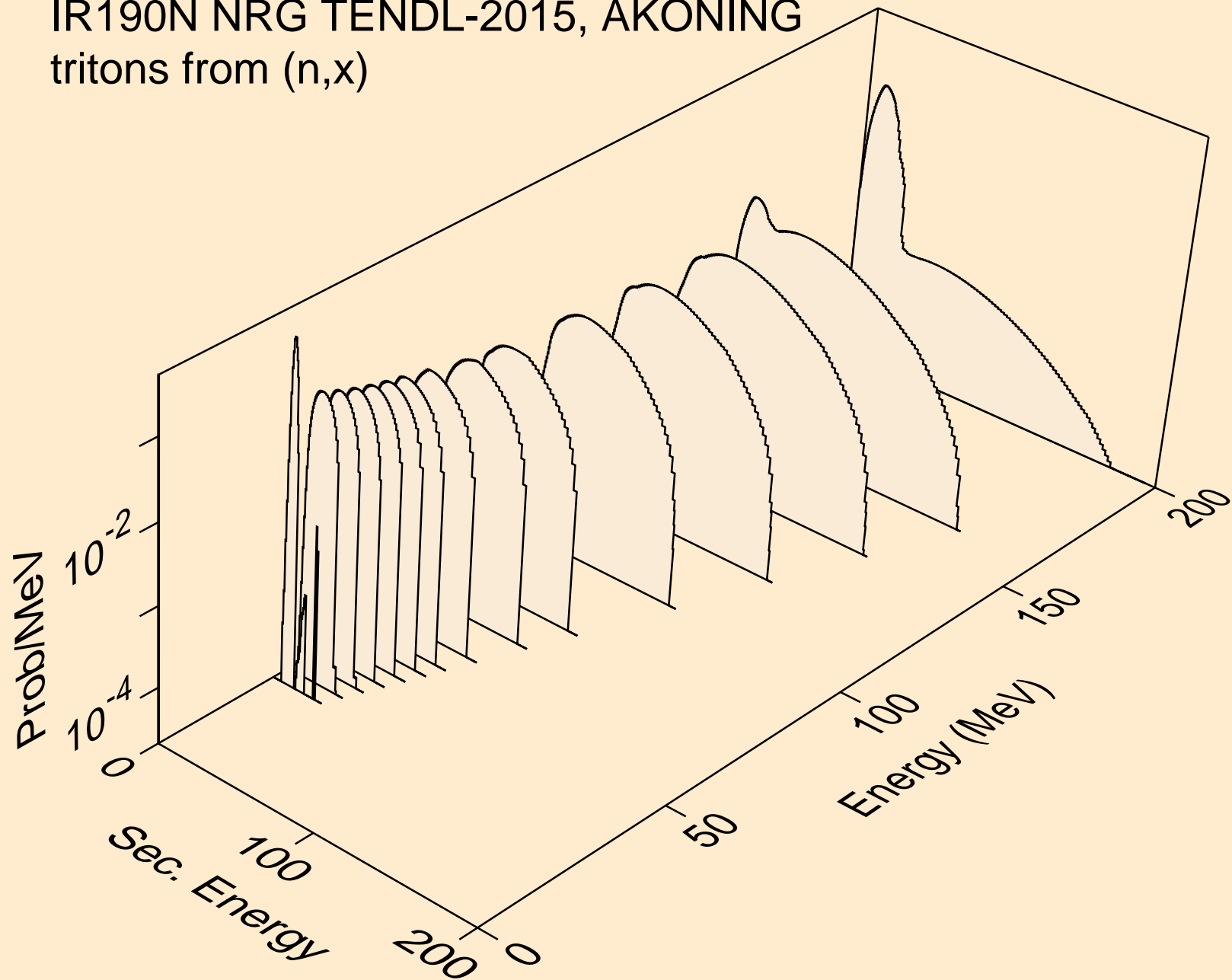




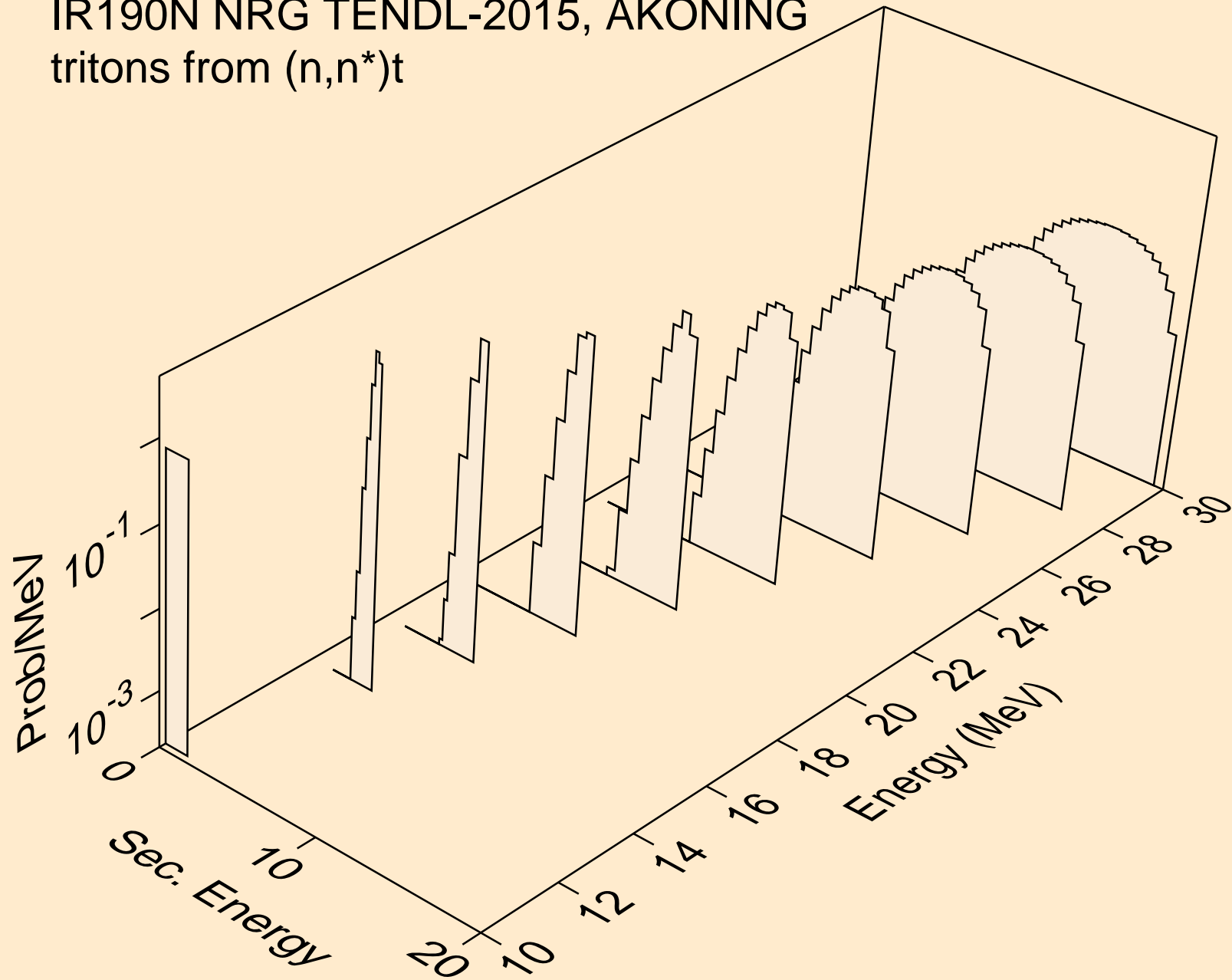
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deuterons from (n,da)



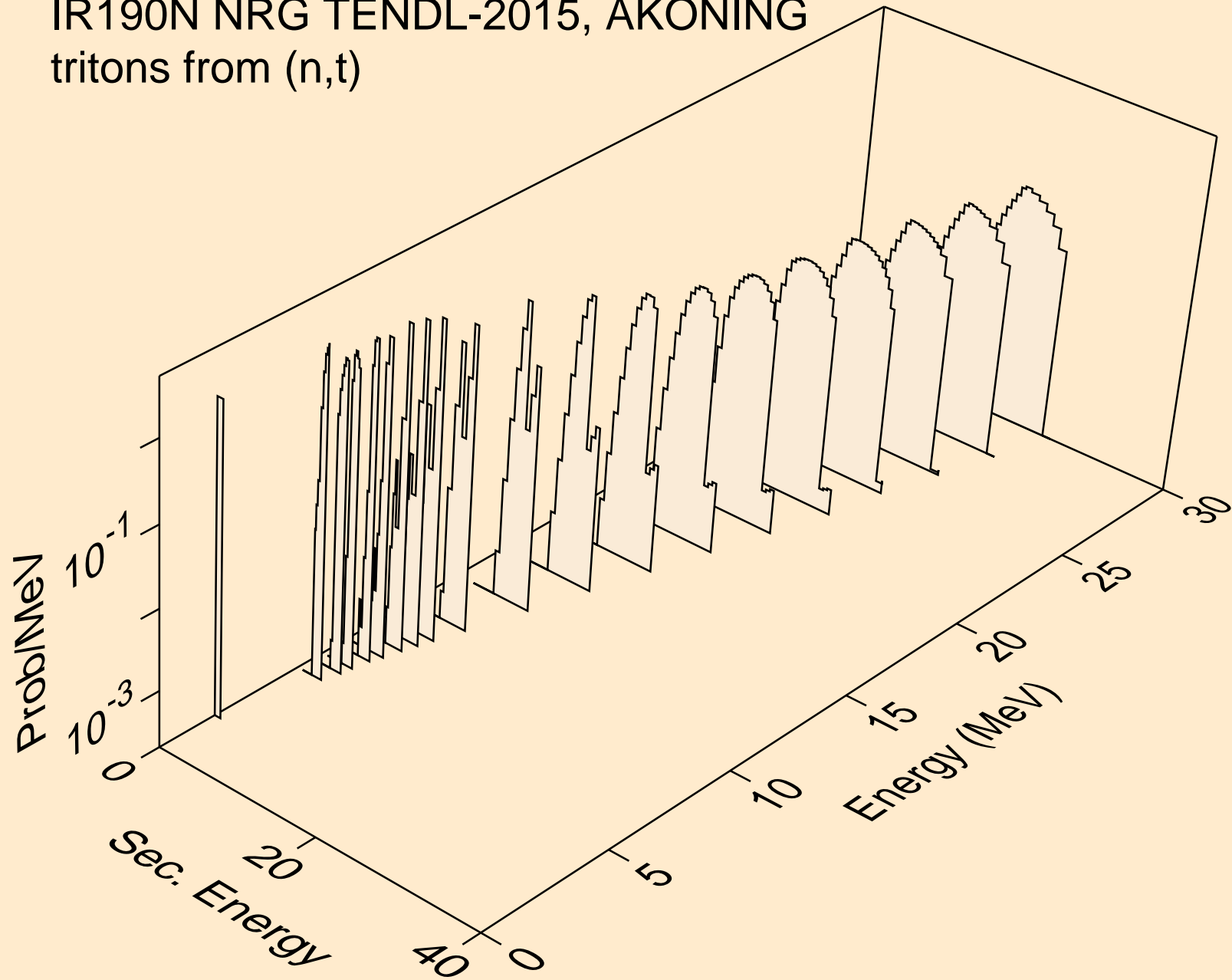
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tritons from (n,x)



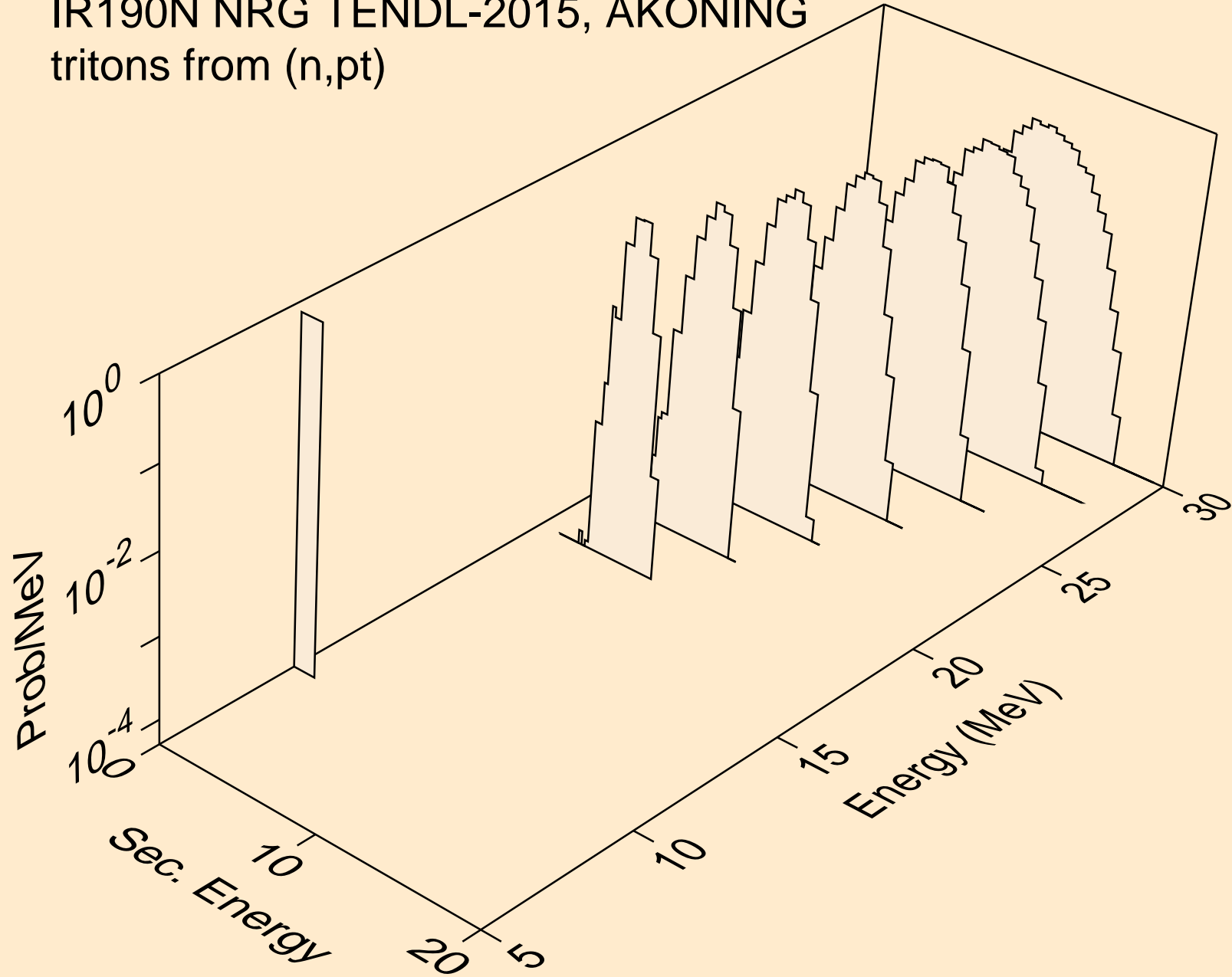
IR190N NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



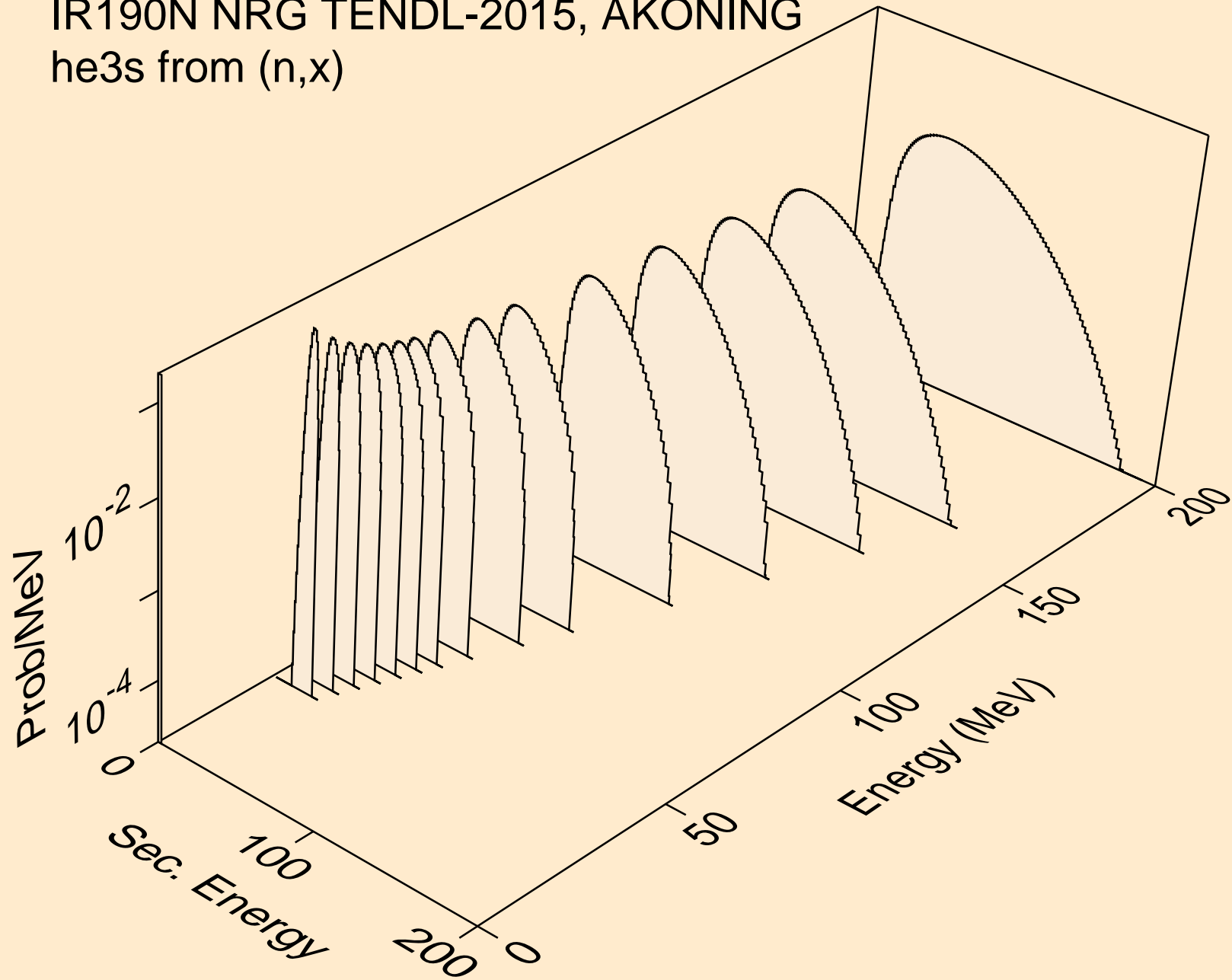
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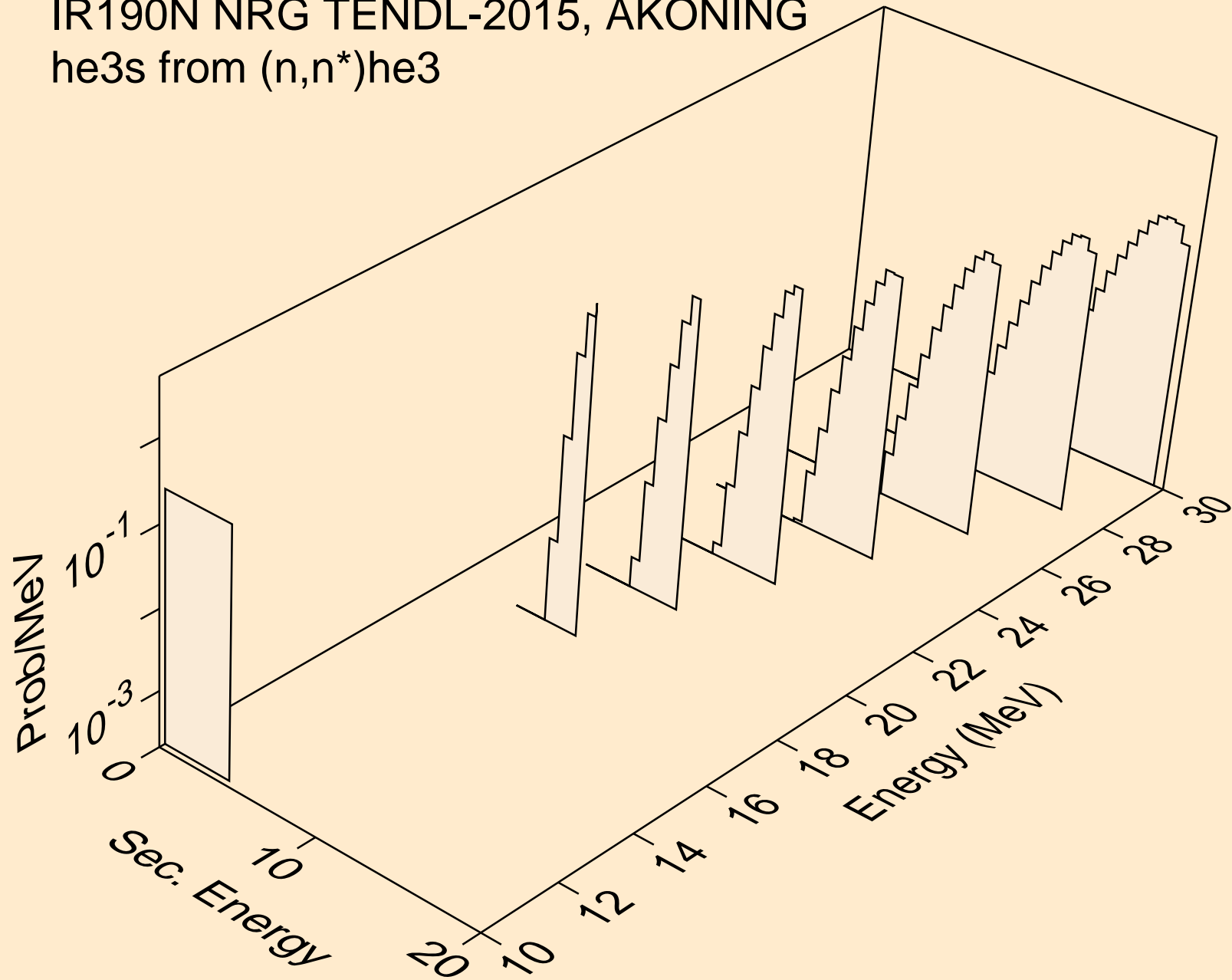
IR190N NRG TENDL-2015, AKONING  
tritons from (n,pt)



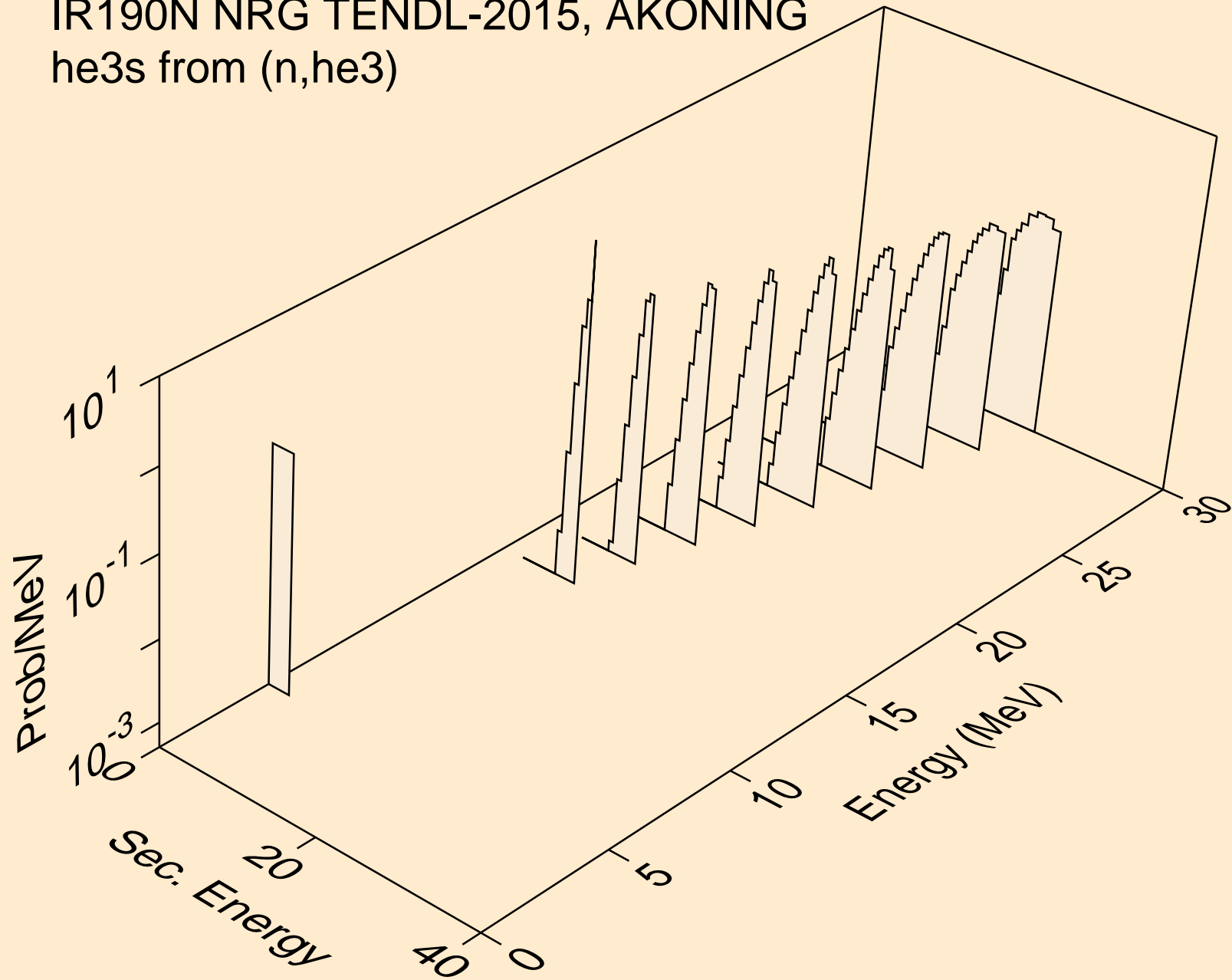
IR190N NRG TENDL-2015, AKONING  
he3s from (n,x)



IR190N NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

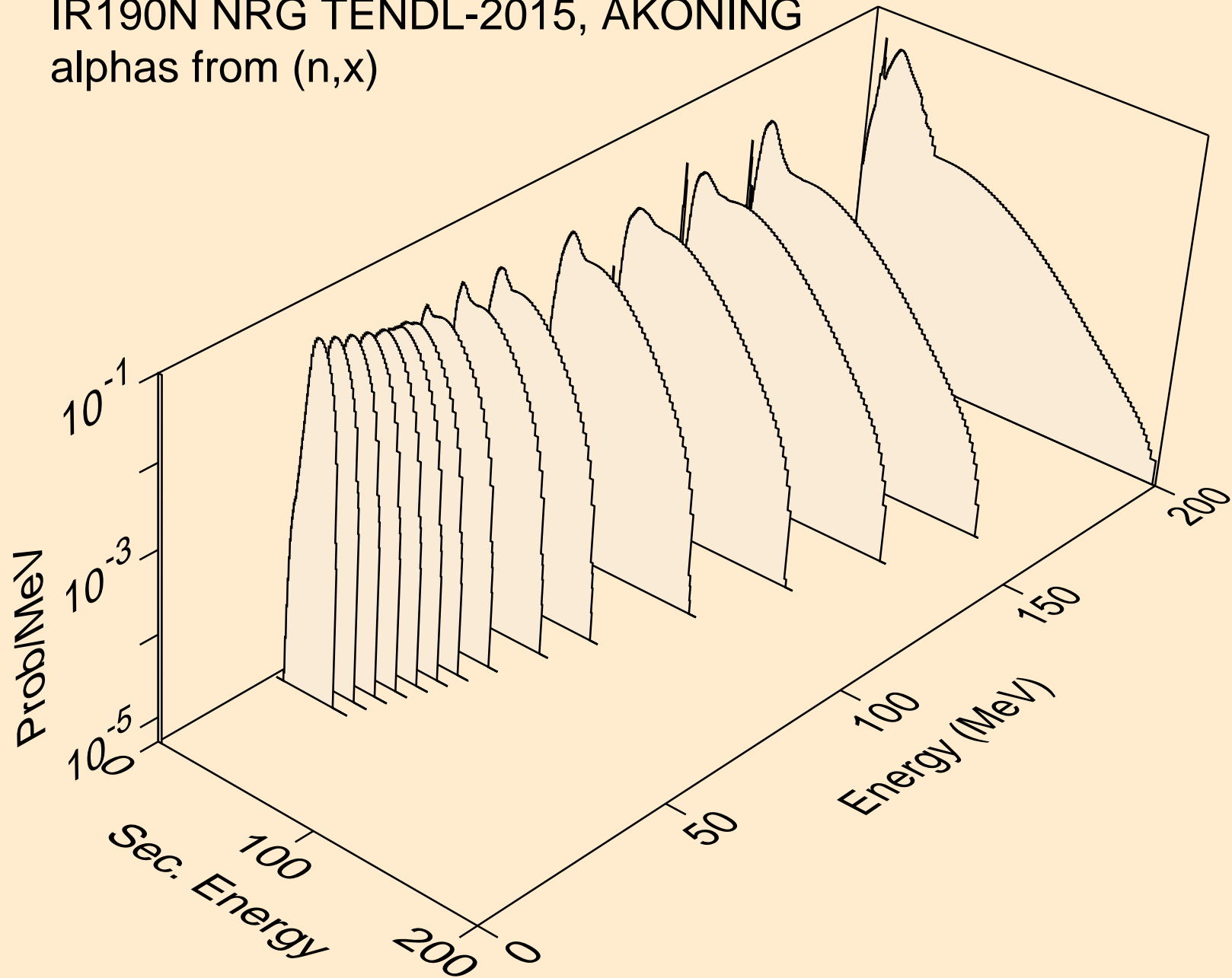


IR190N NRG TENDL-2015, AKONING  
he3s from (n,he3)

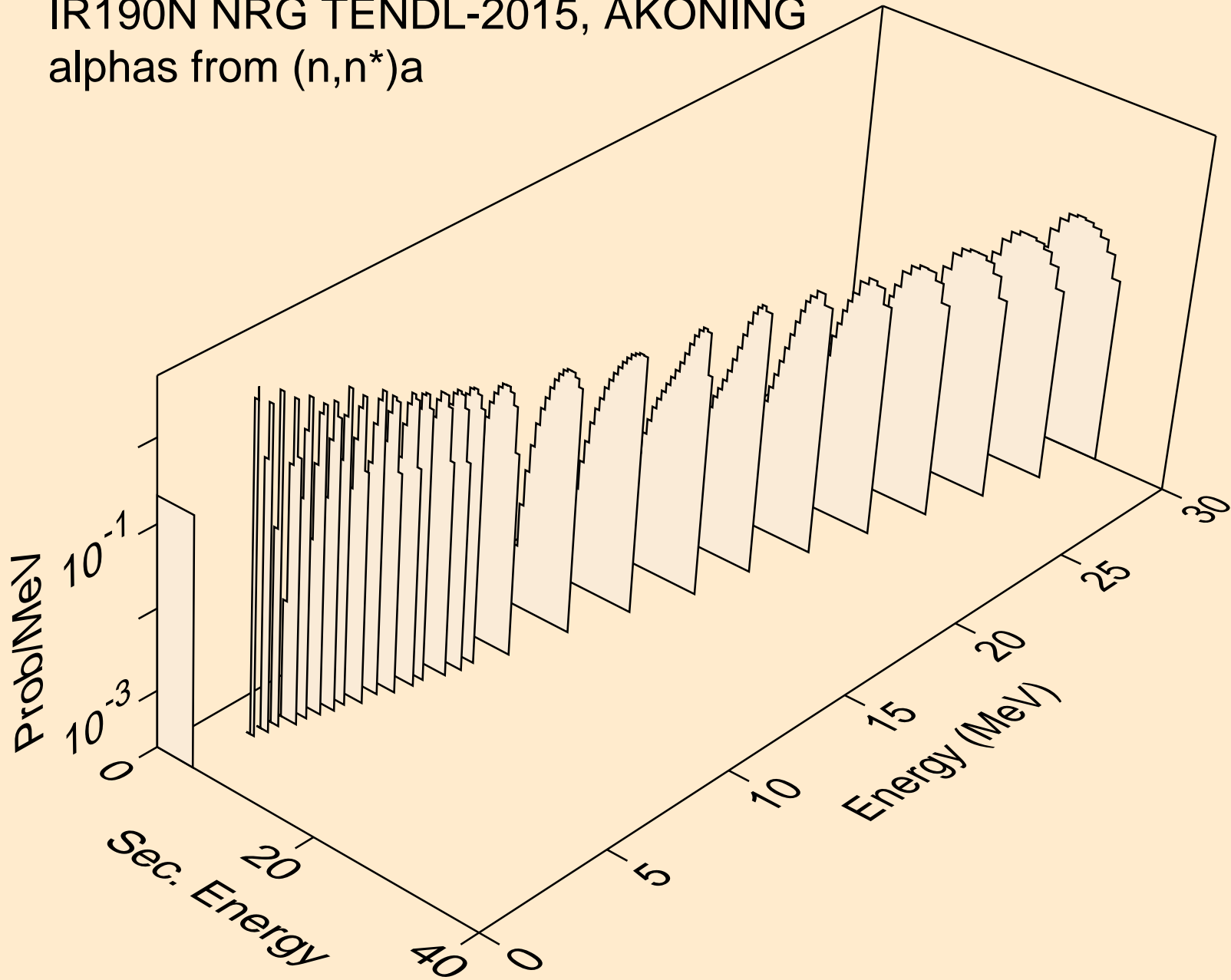




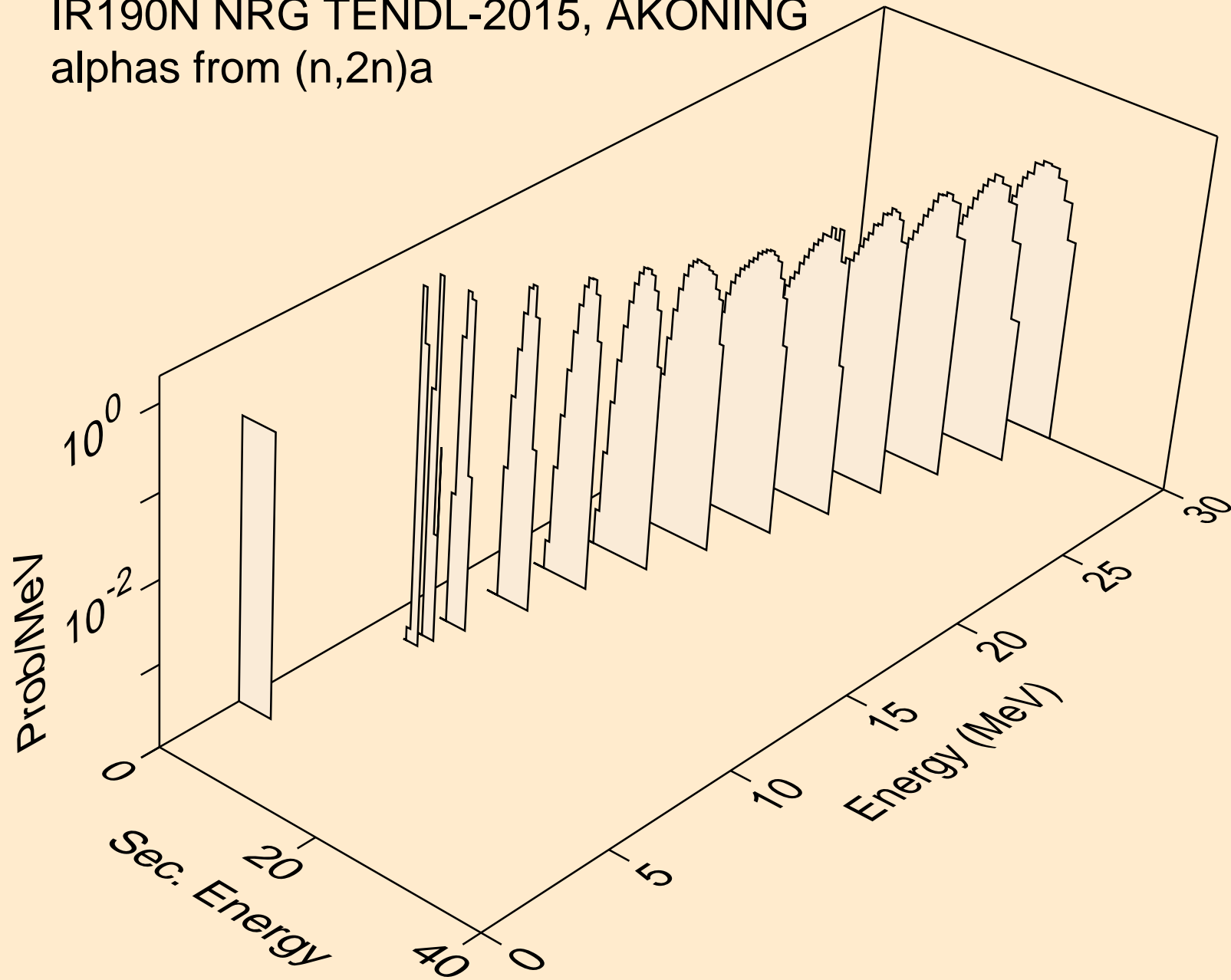
IR190N NRG TENDL-2015, AKONING  
alphas from (n,x)



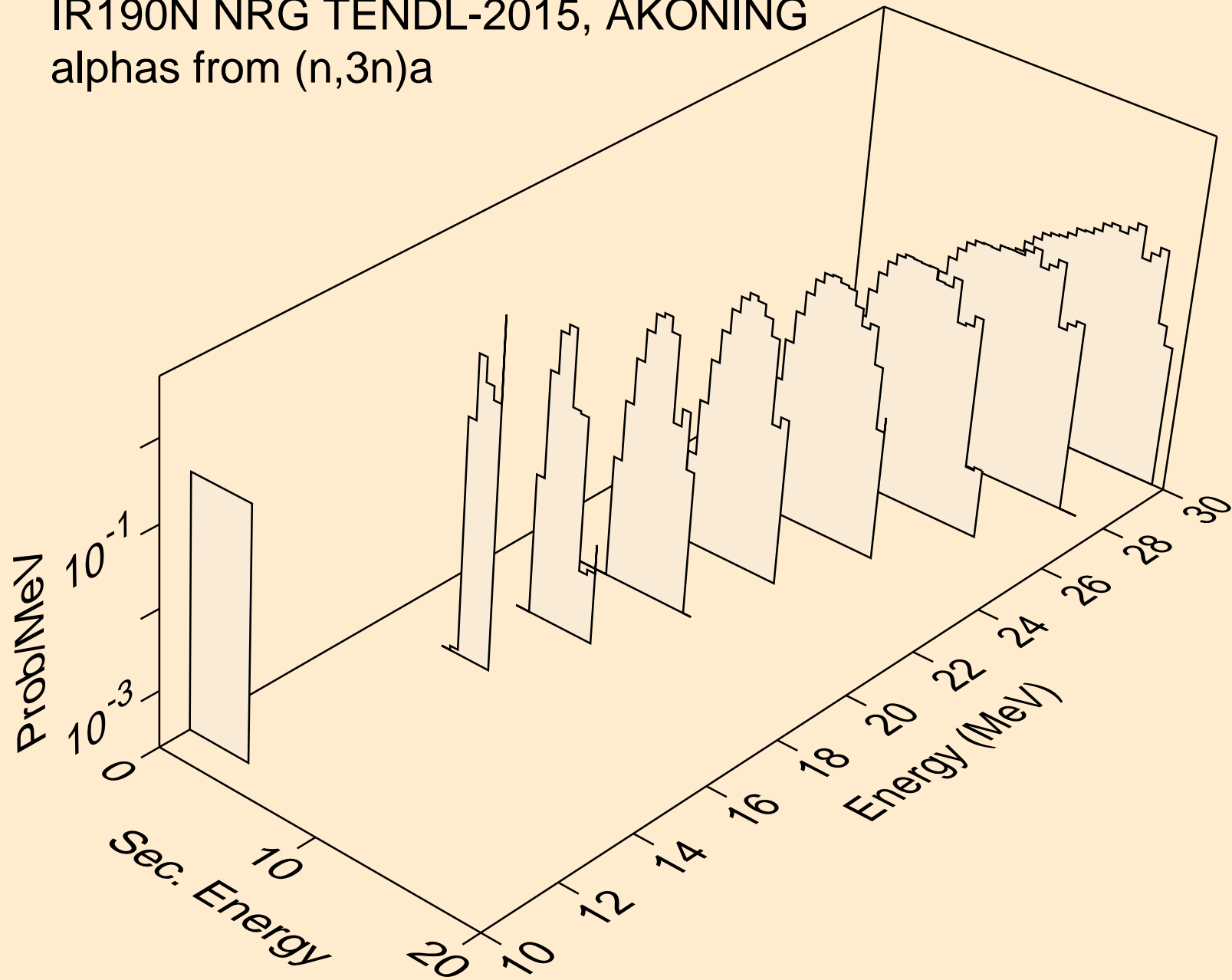
IR190N NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



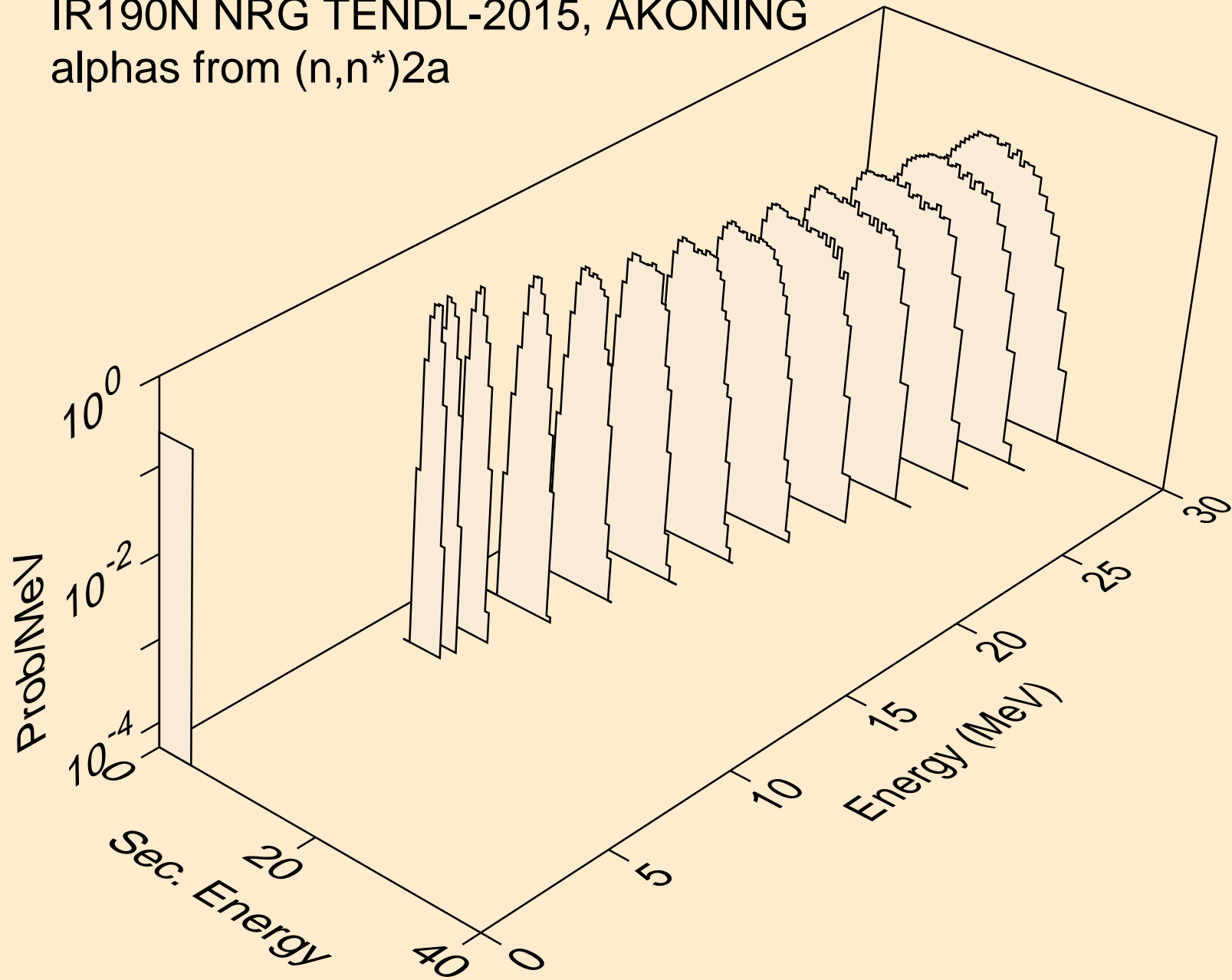
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alphas from (n,2n)a



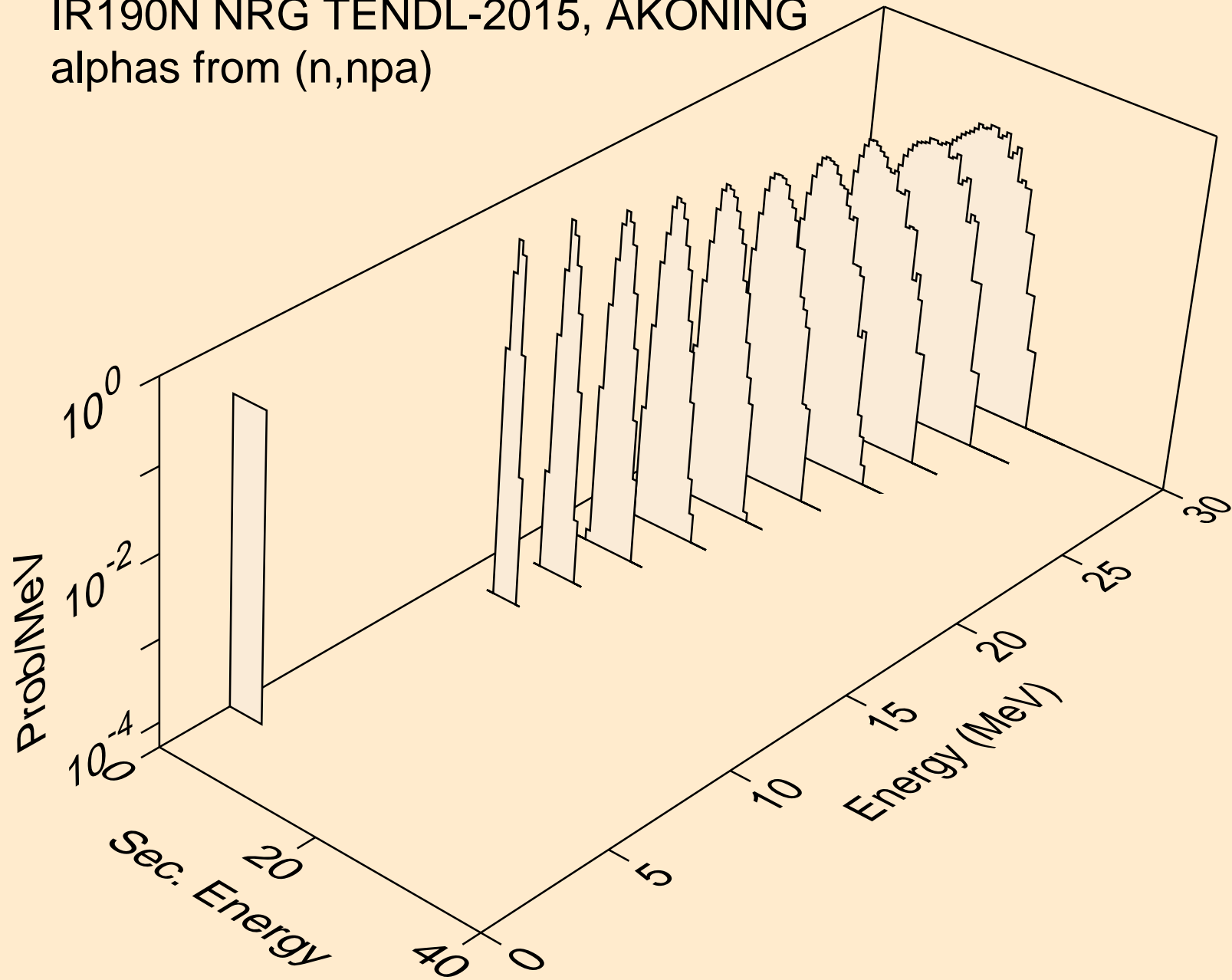
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alphas from (n,3n)a



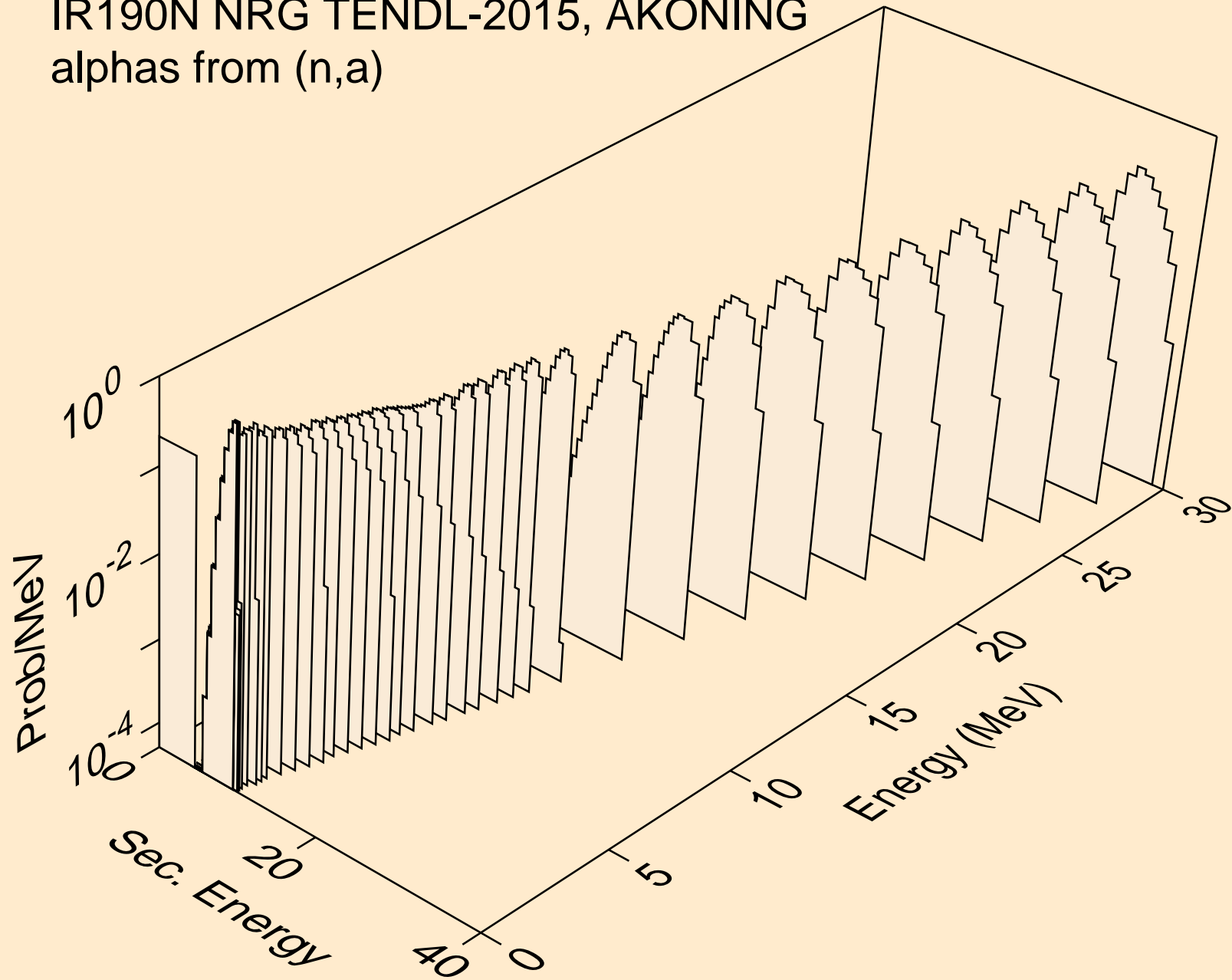
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alphas from (n,n\*)2a



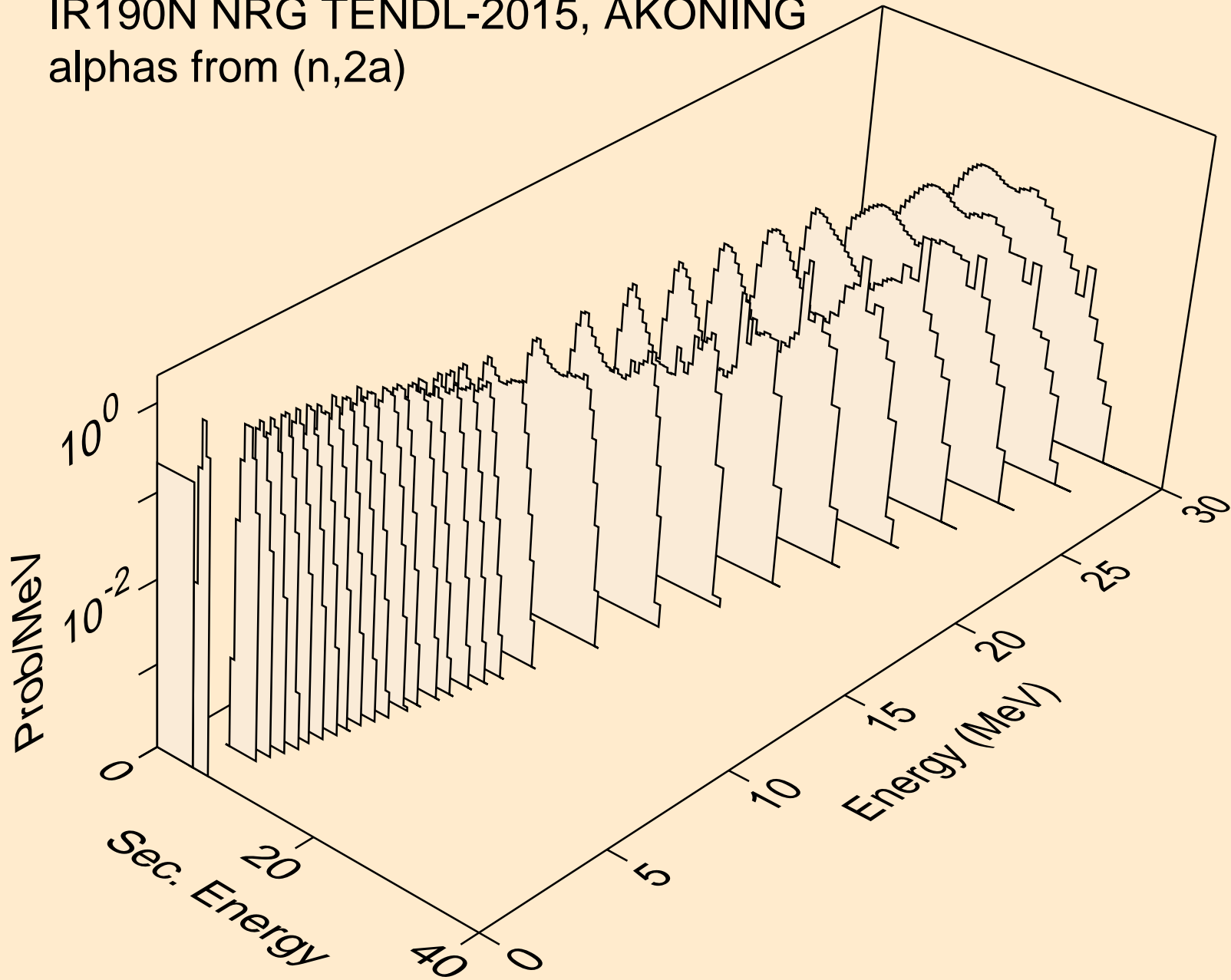
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alphas from (n,npa)



IR190N NRG TENDL-2015, AKONING  
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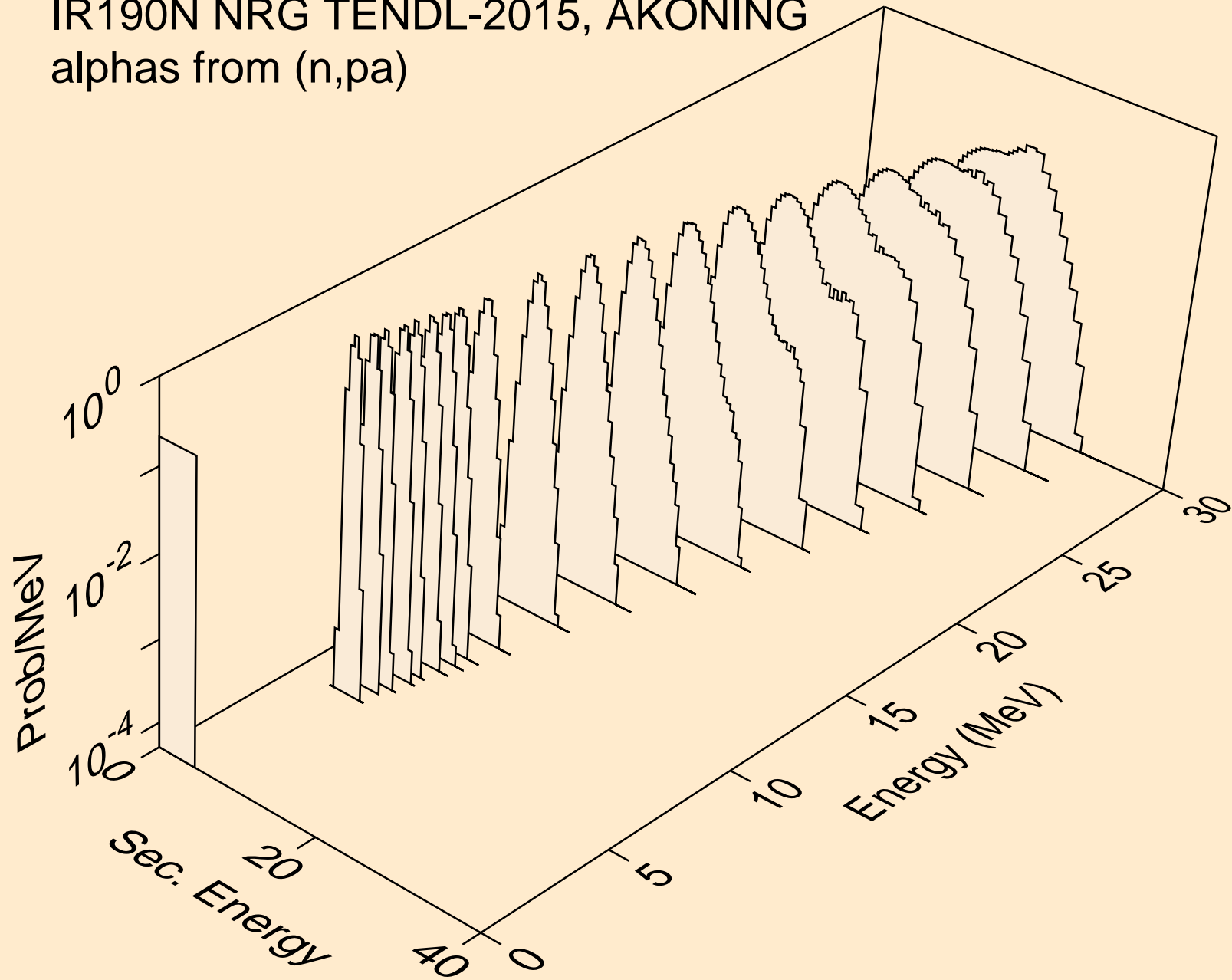


IR190N NRG TENDL-2015, AKONING  
alphas from (n,2a)





IR190N NRG TENDL-2015, AKONING  
alphas from (n,pa)



IR190N NRG TENDL-2015, AKONING  
alphas from (n,da)

