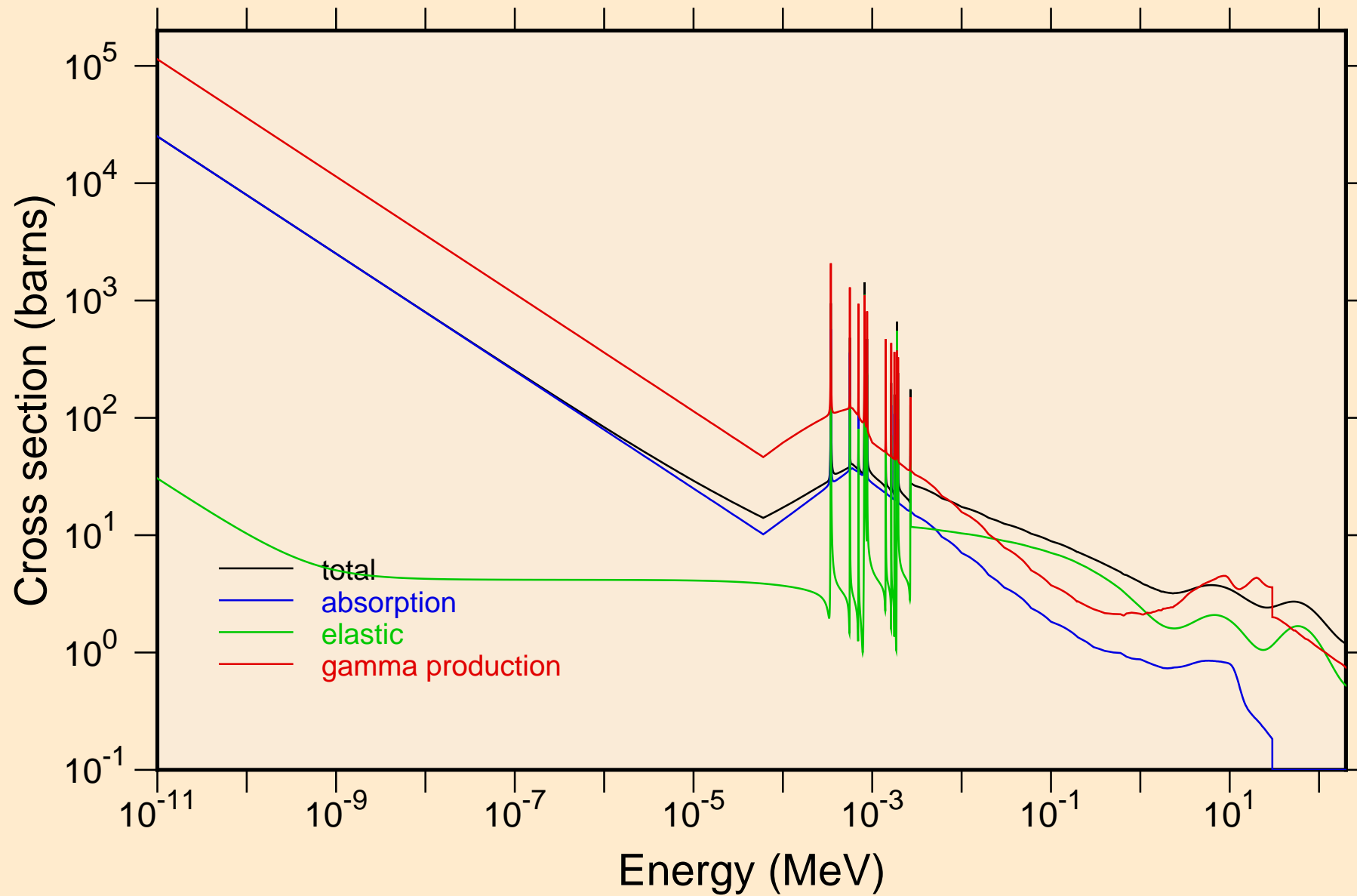
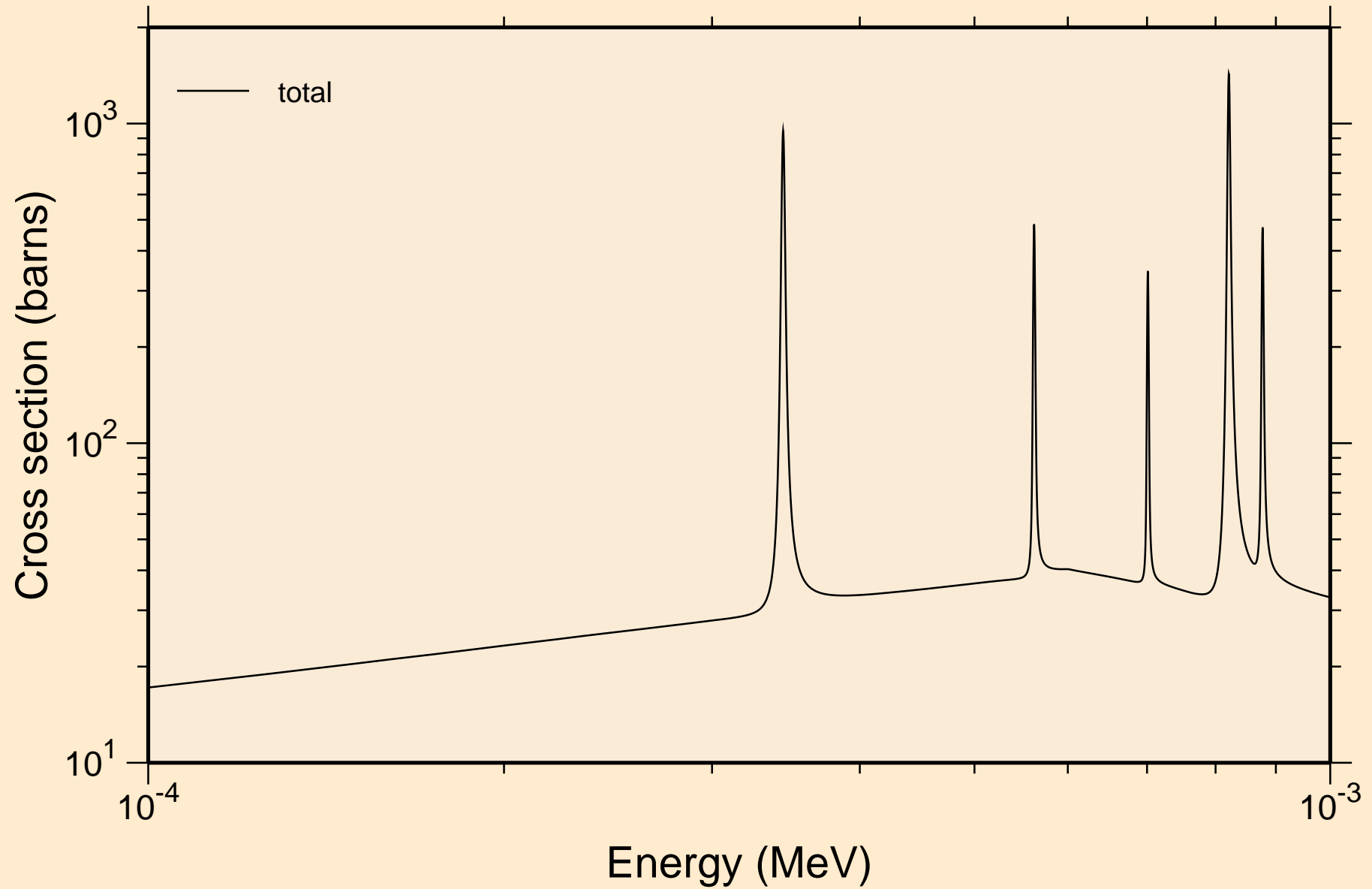


# ZN063 NRG TENDL-2015, AKONING

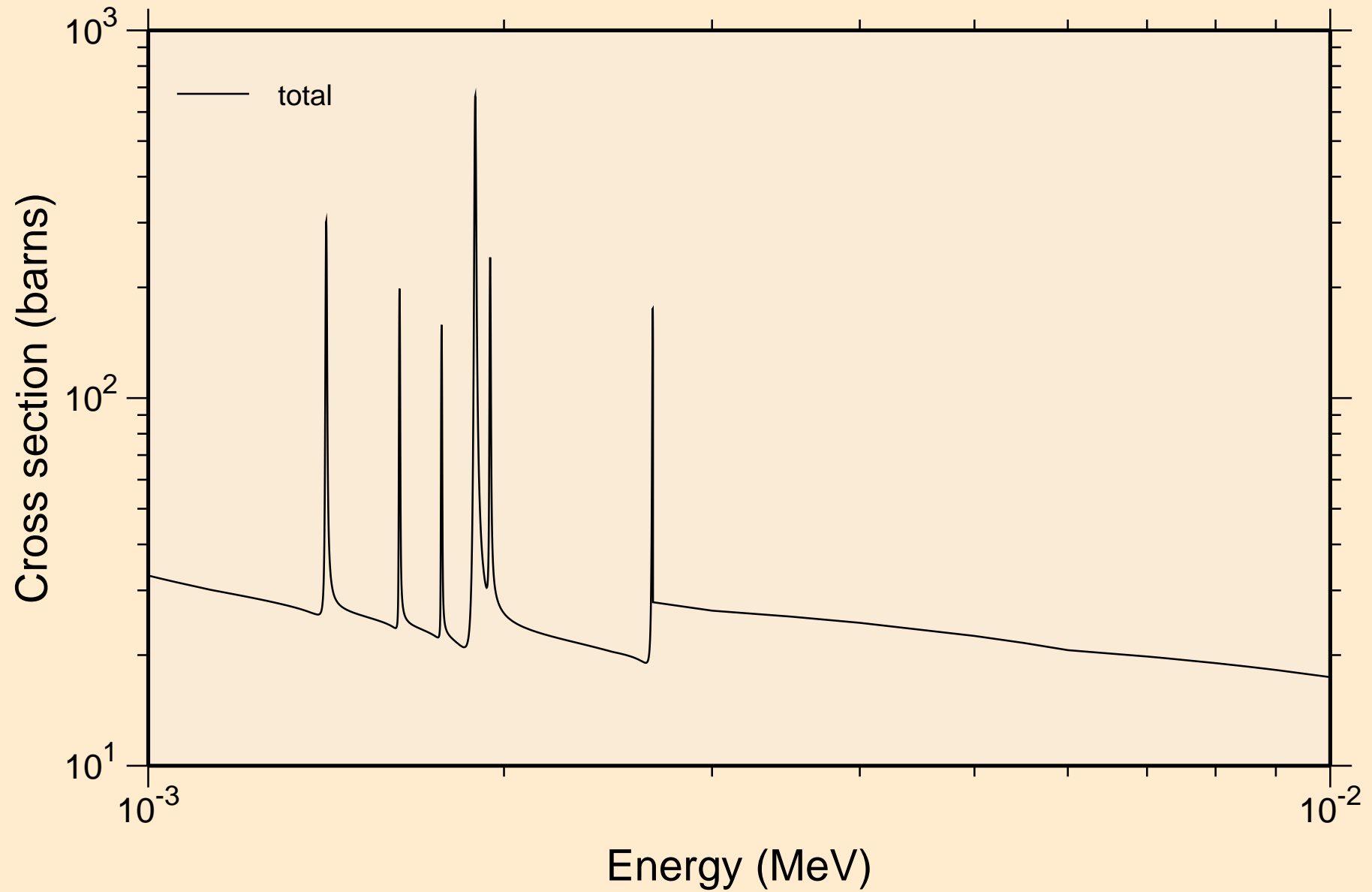
## Principal cross sections



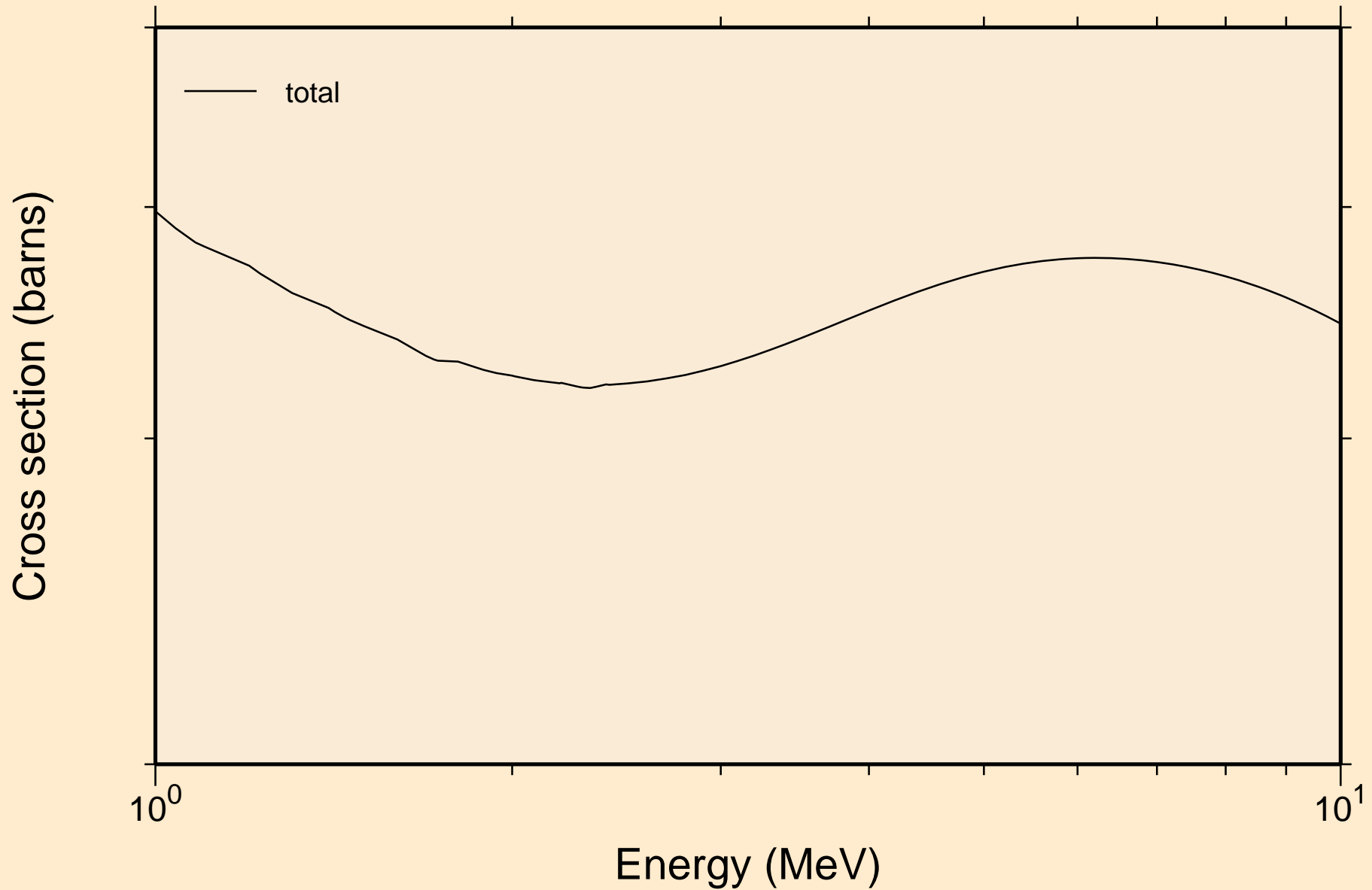
ZN063 NRG TENDL-2015, AKONING  
resonance total cross section



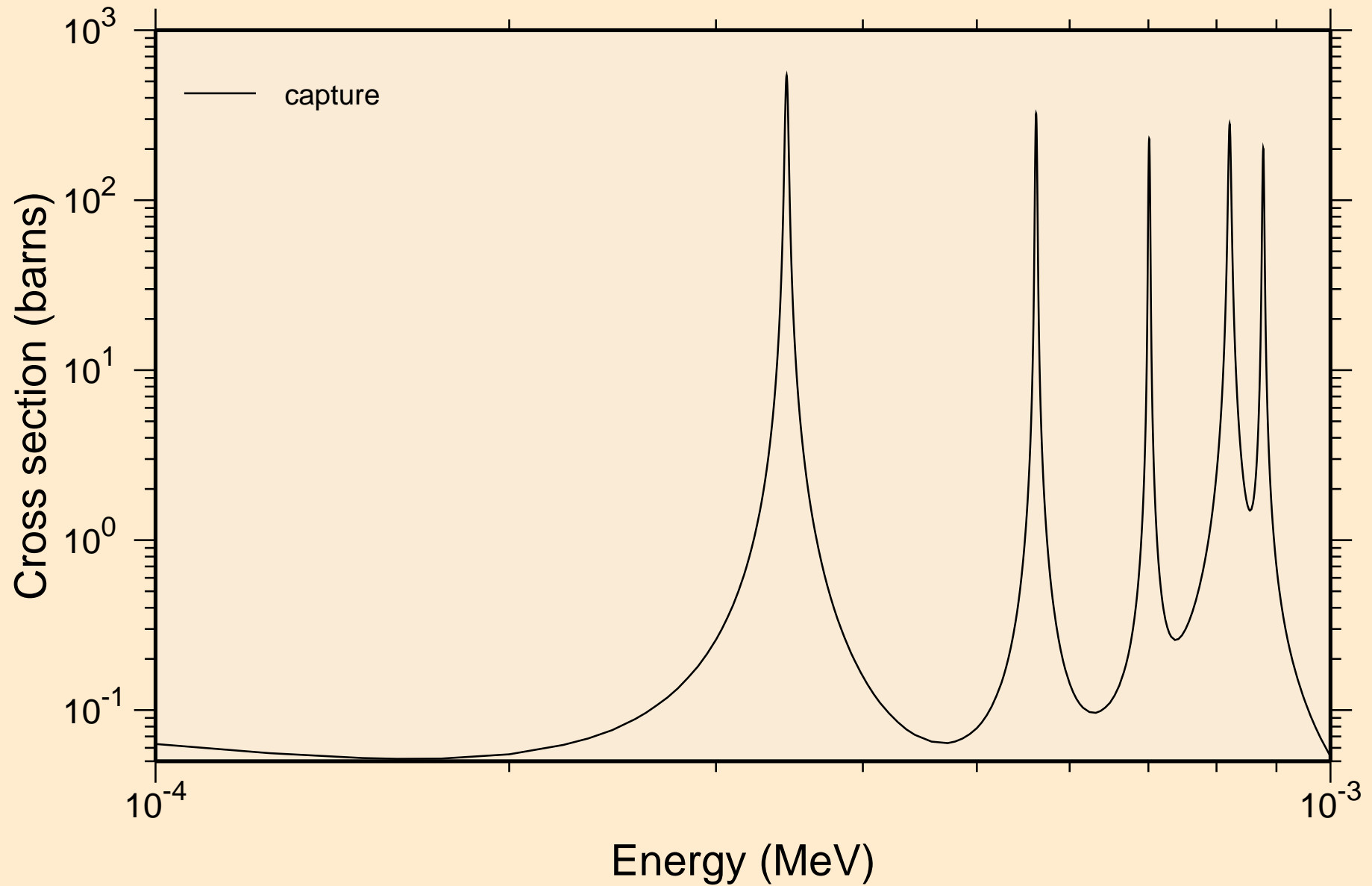
ZN063 NRG TENDL-2015, AKONING  
resonance total cross section



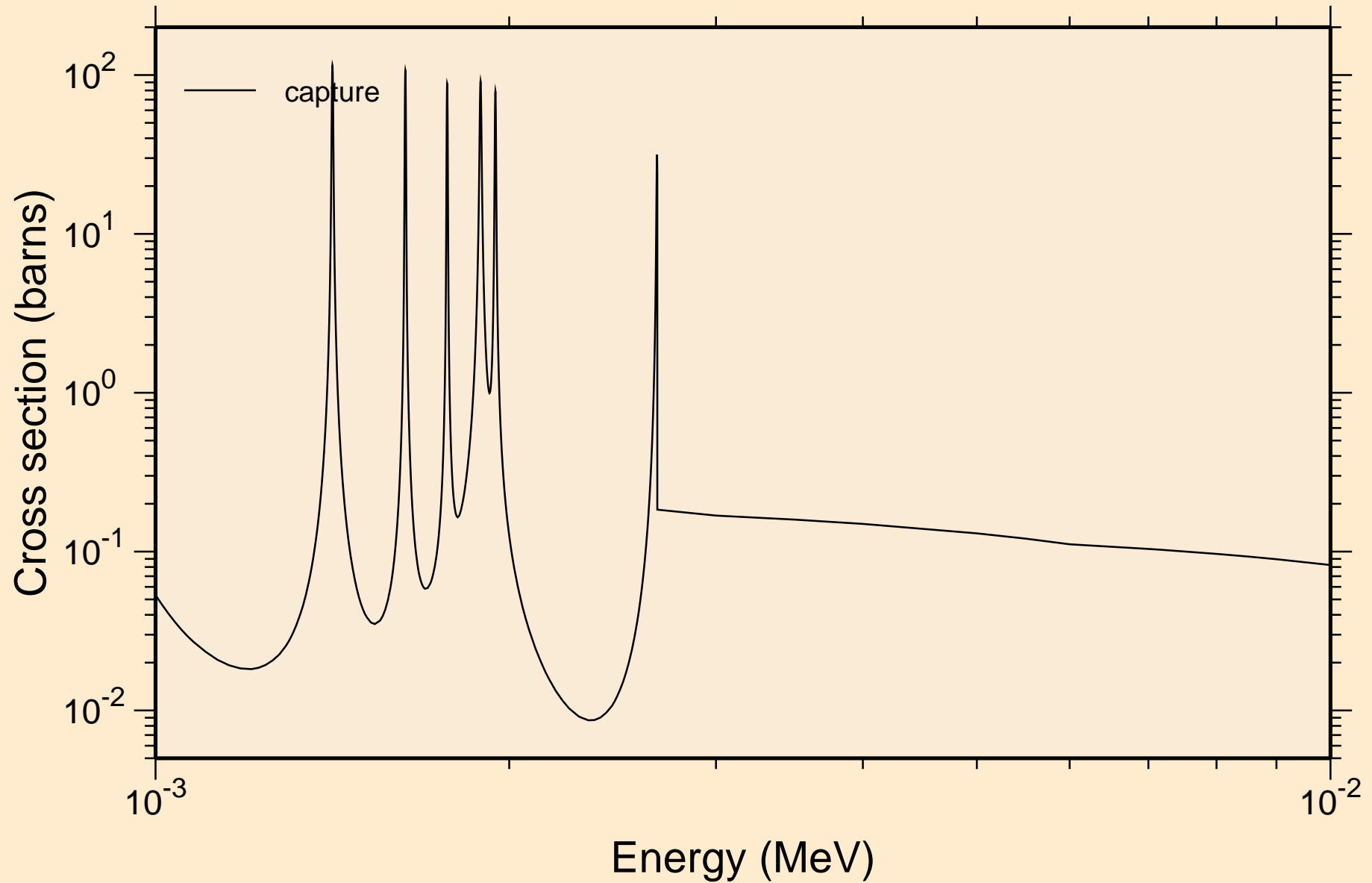
ZN063 NRG TENDL-2015, AKONING  
resonance total cross section



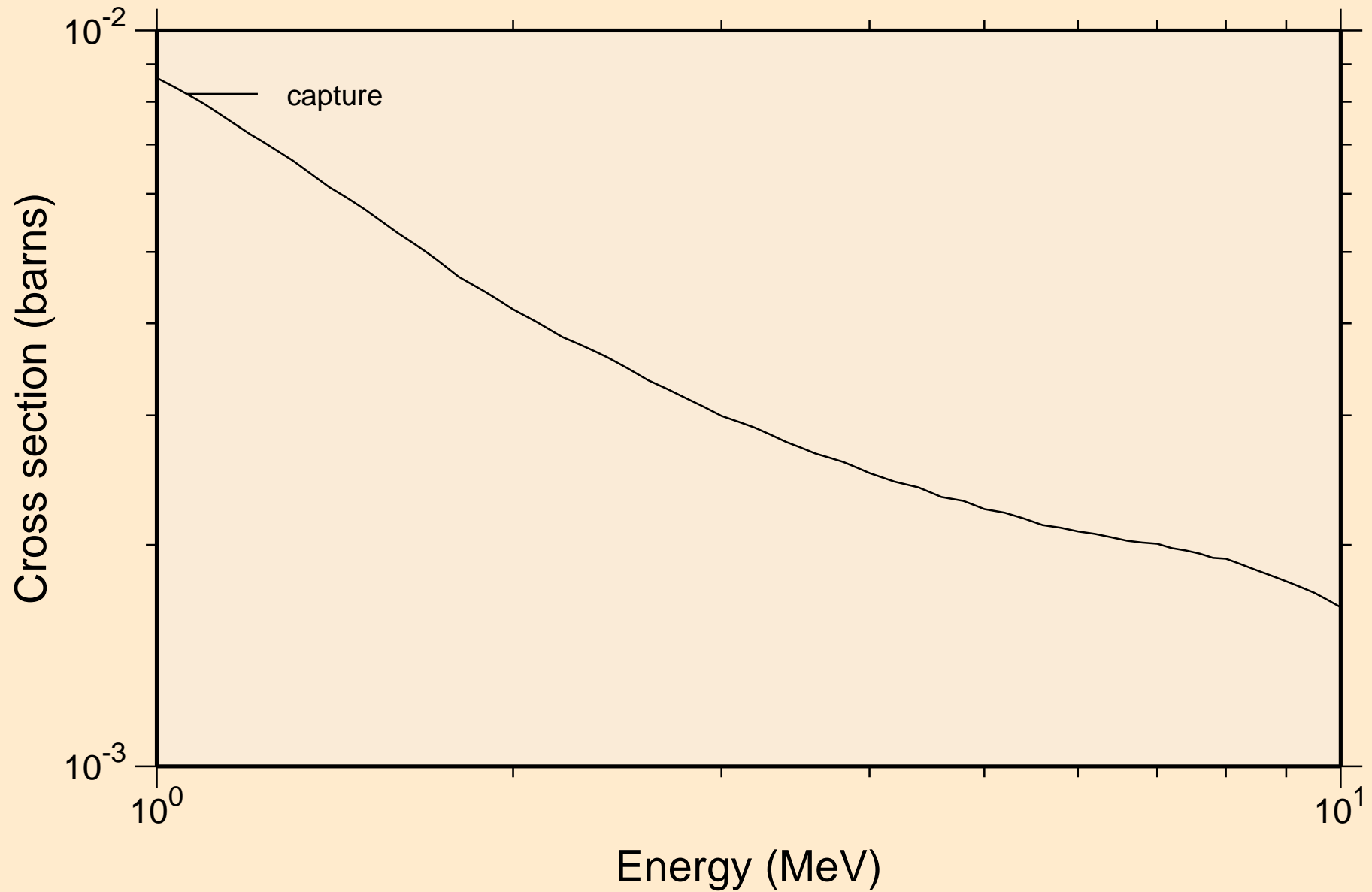
# ZN063 NRG TENDL-2015, AKONING resonance absorption cross sections



ZN063 NRG TENDL-2015, AKONING  
resonance absorption cross sections

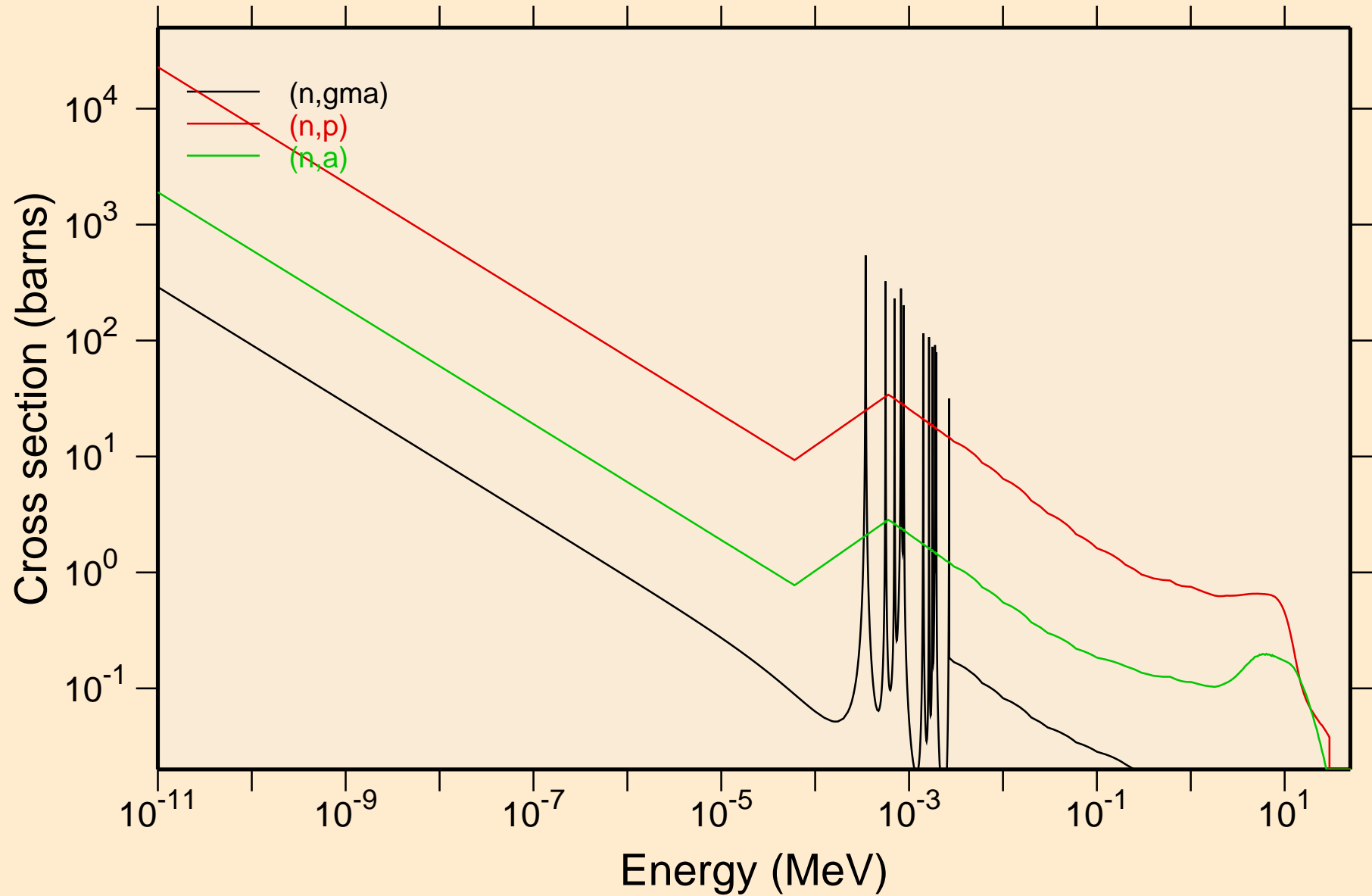


ZN063 NRG TENDL-2015, AKONING  
resonance absorption cross sections



# ZN063 NRG TENDL-2015, AKONING

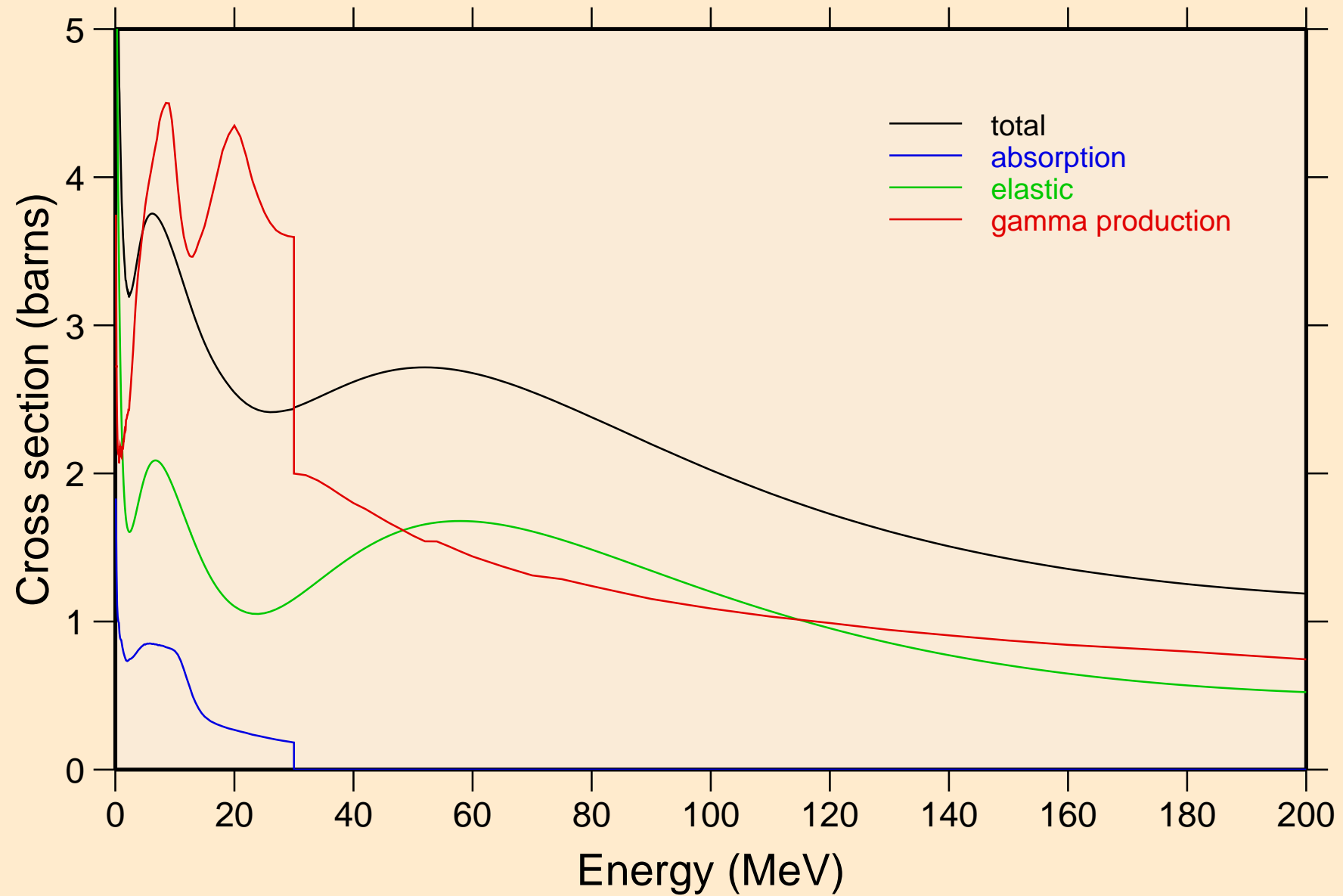
## Non-threshold reactions





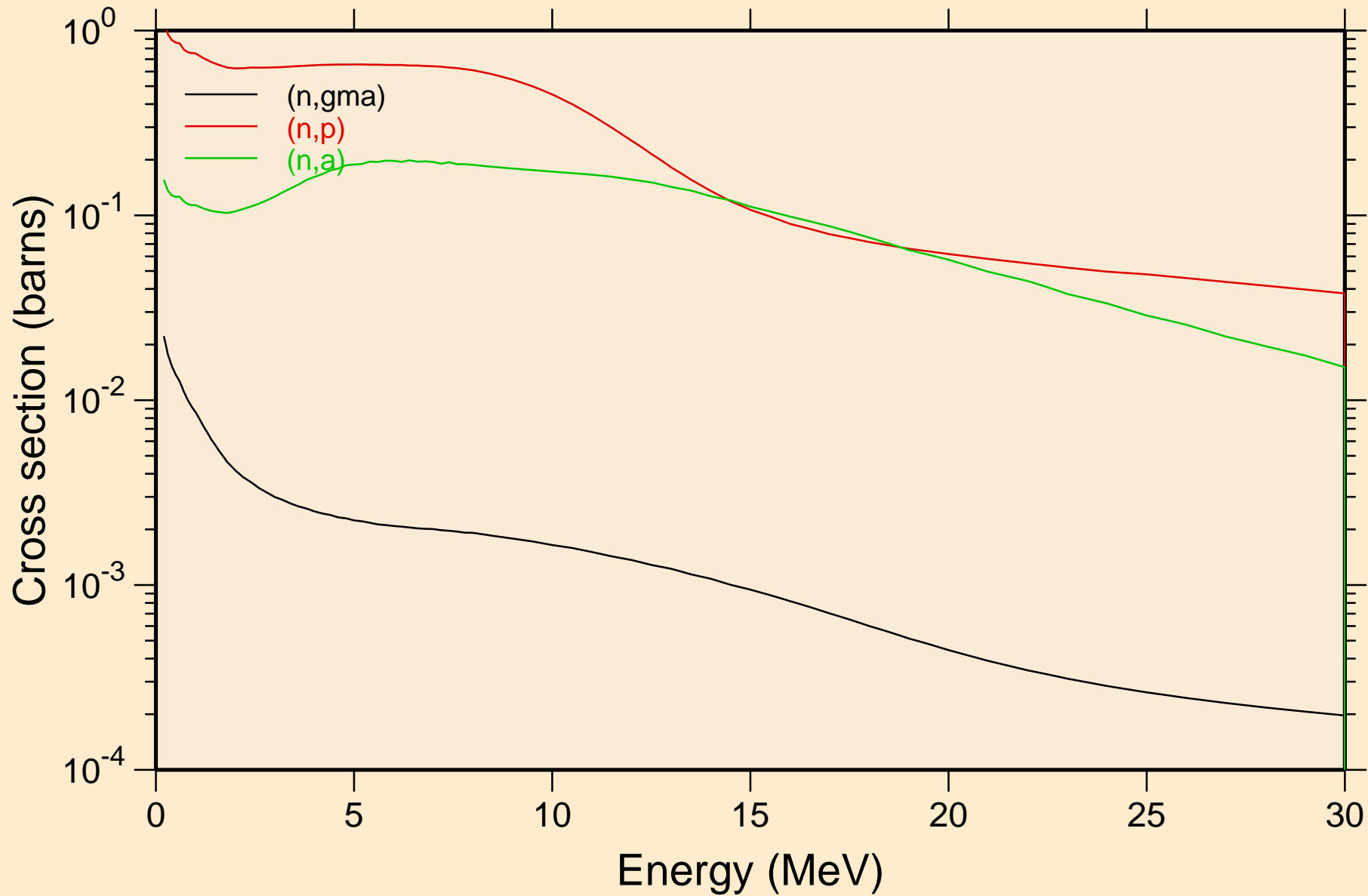
# ZN063 NRG TENDL-2015, AKONING

## Principal cross sections



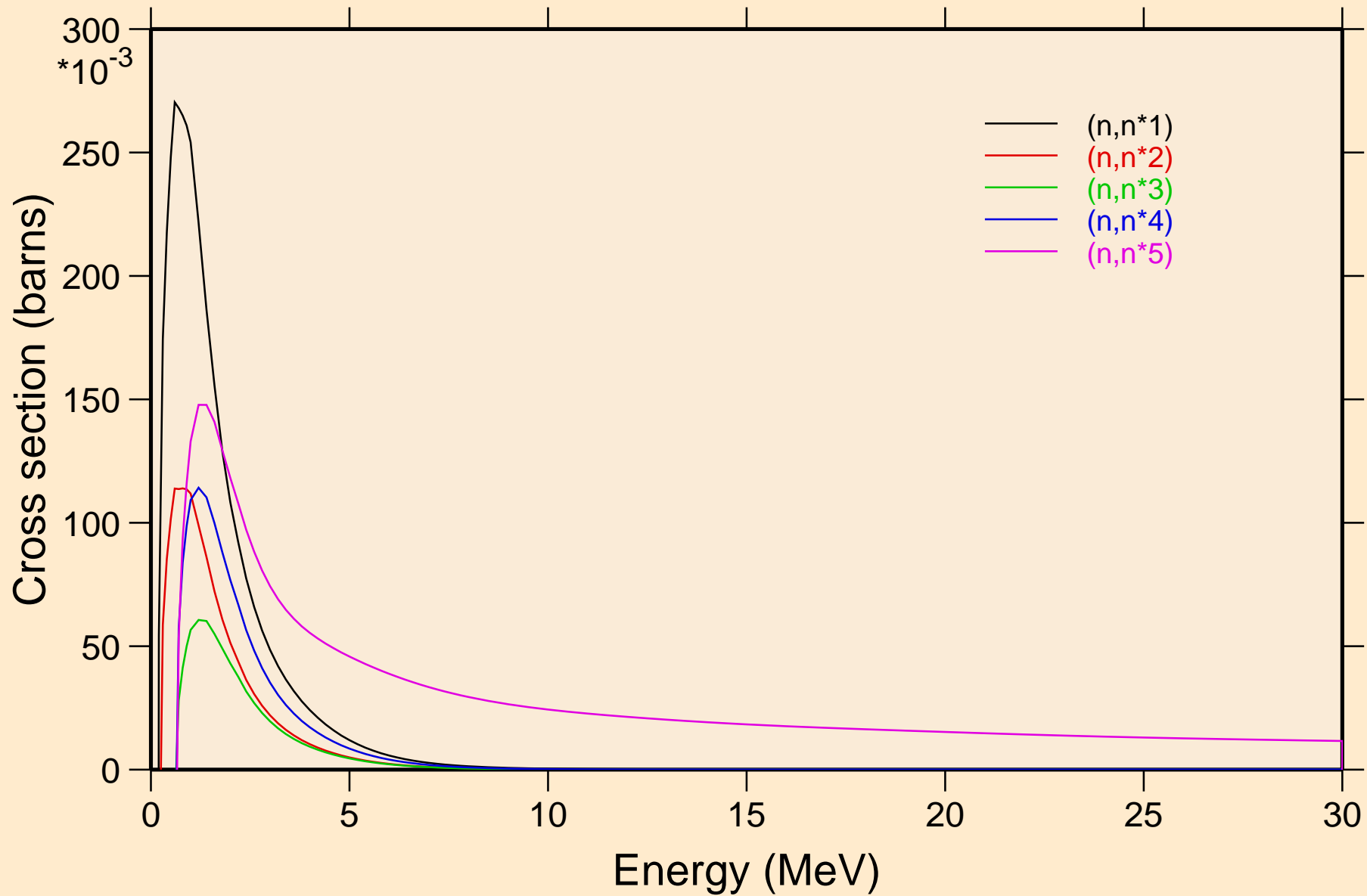
# ZN063 NRG TENDL-2015, AKONING

## Non-threshold reactions



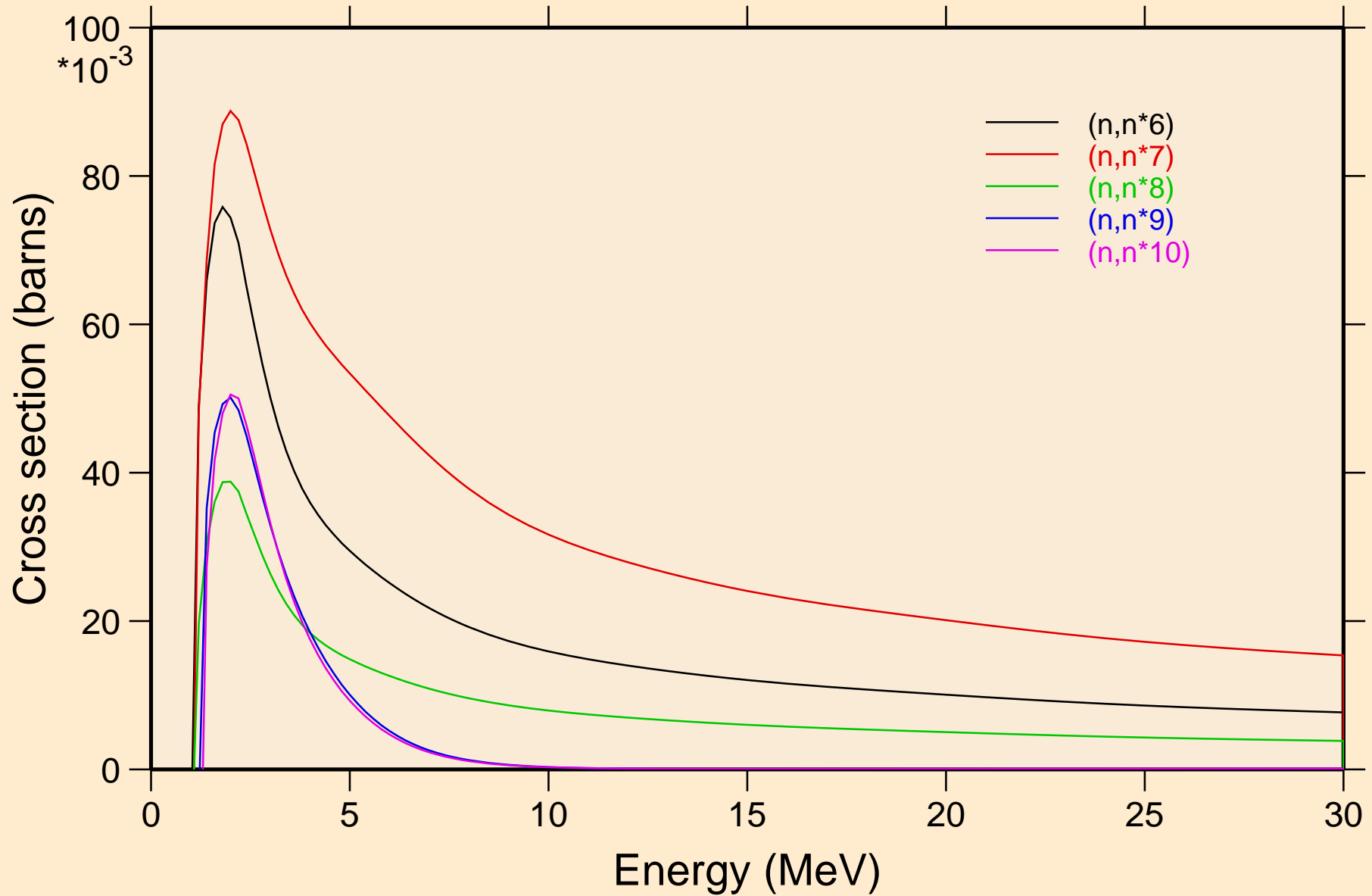
# ZN063 NRG TENDL-2015, AKONING

## Inelastic levels



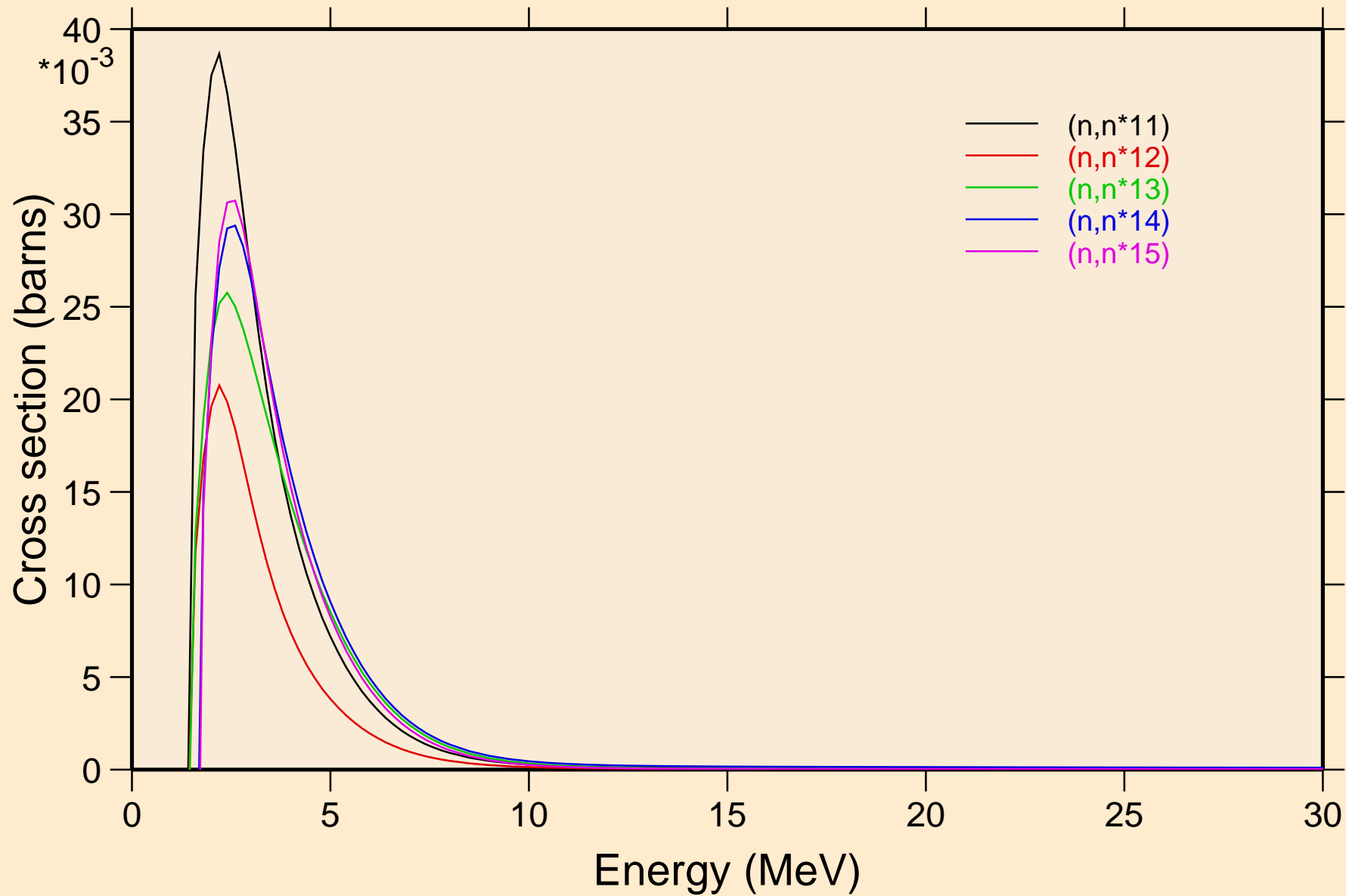
# ZN063 NRG TENDL-2015, AKONING

## Inelastic levels



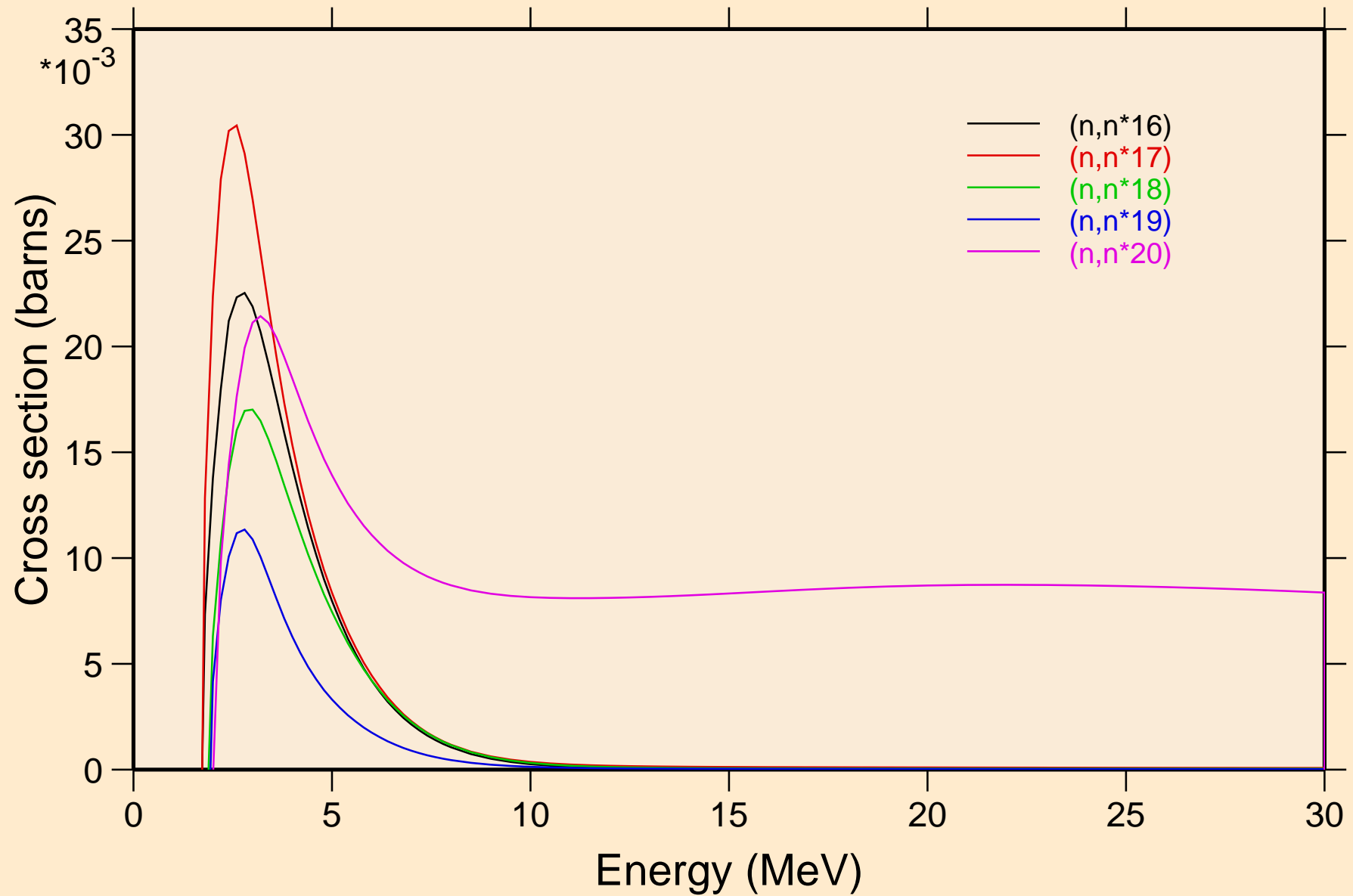
# ZN063 NRG TENDL-2015, AKONING

## Inelastic levels



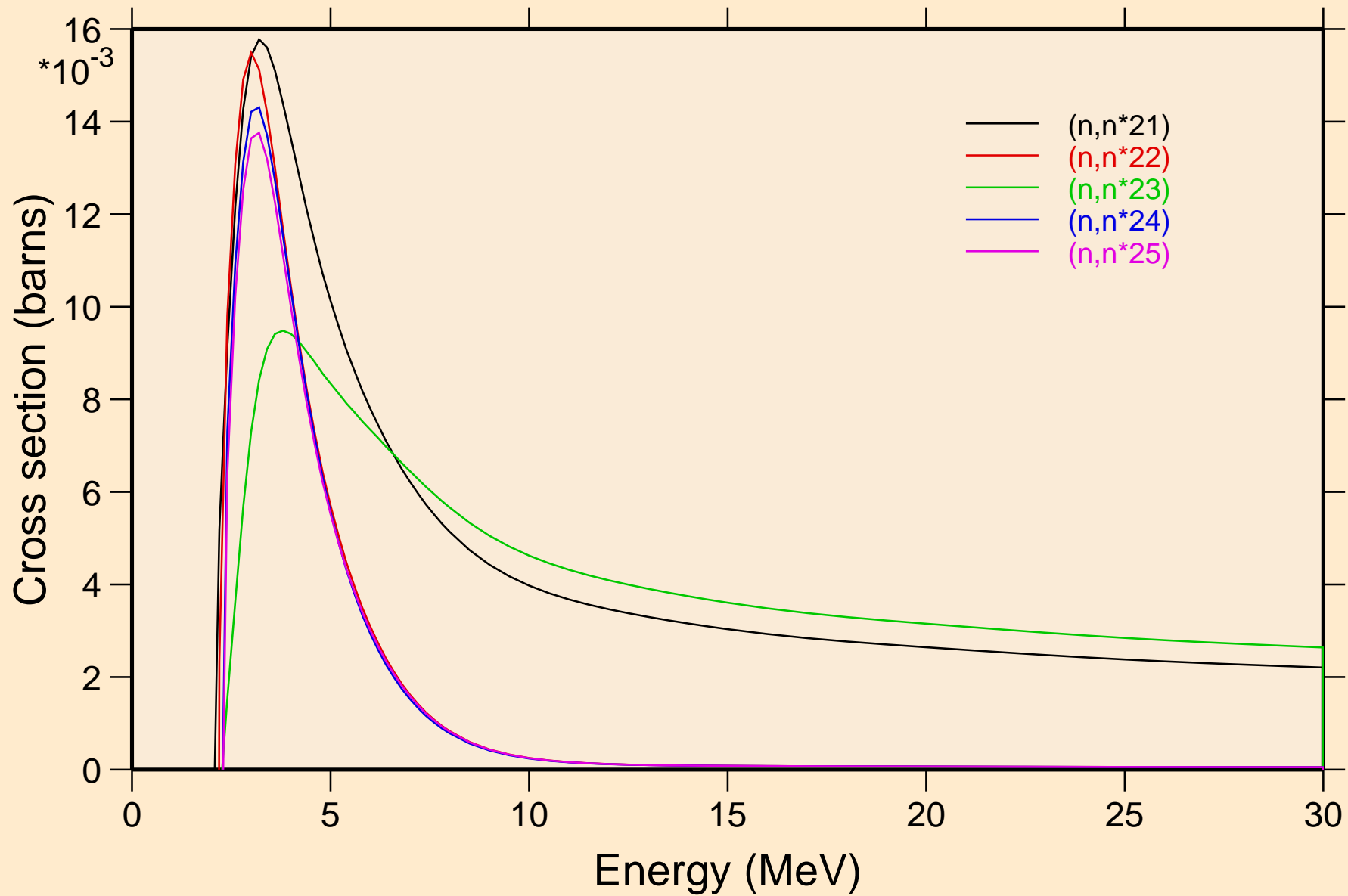
# ZN063 NRG TENDL-2015, AKONING

## Inelastic levels



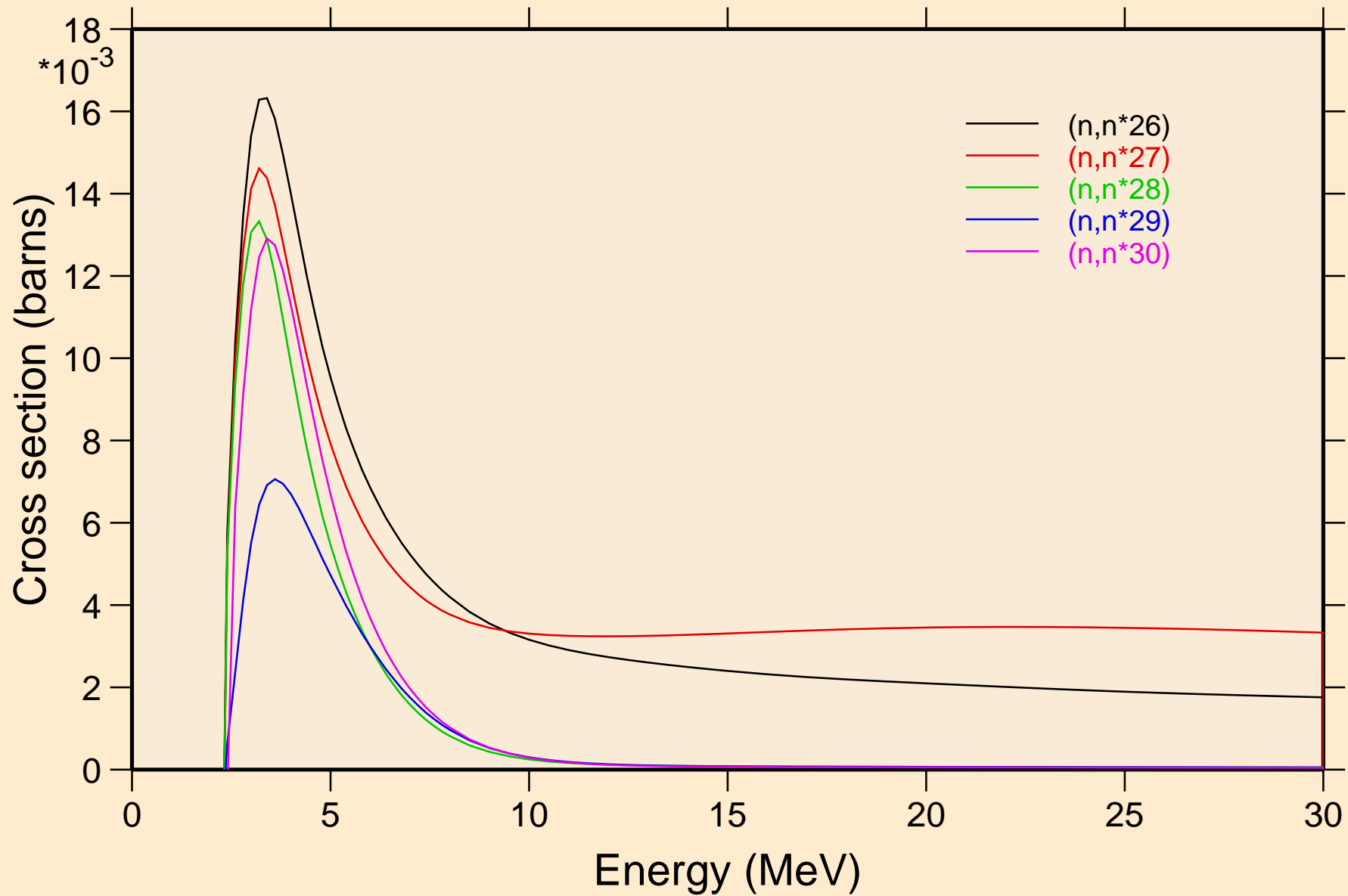
# ZN063 NRG TENDL-2015, AKONING

## Inelastic levels



# ZN063 NRG TENDL-2015, AKONING

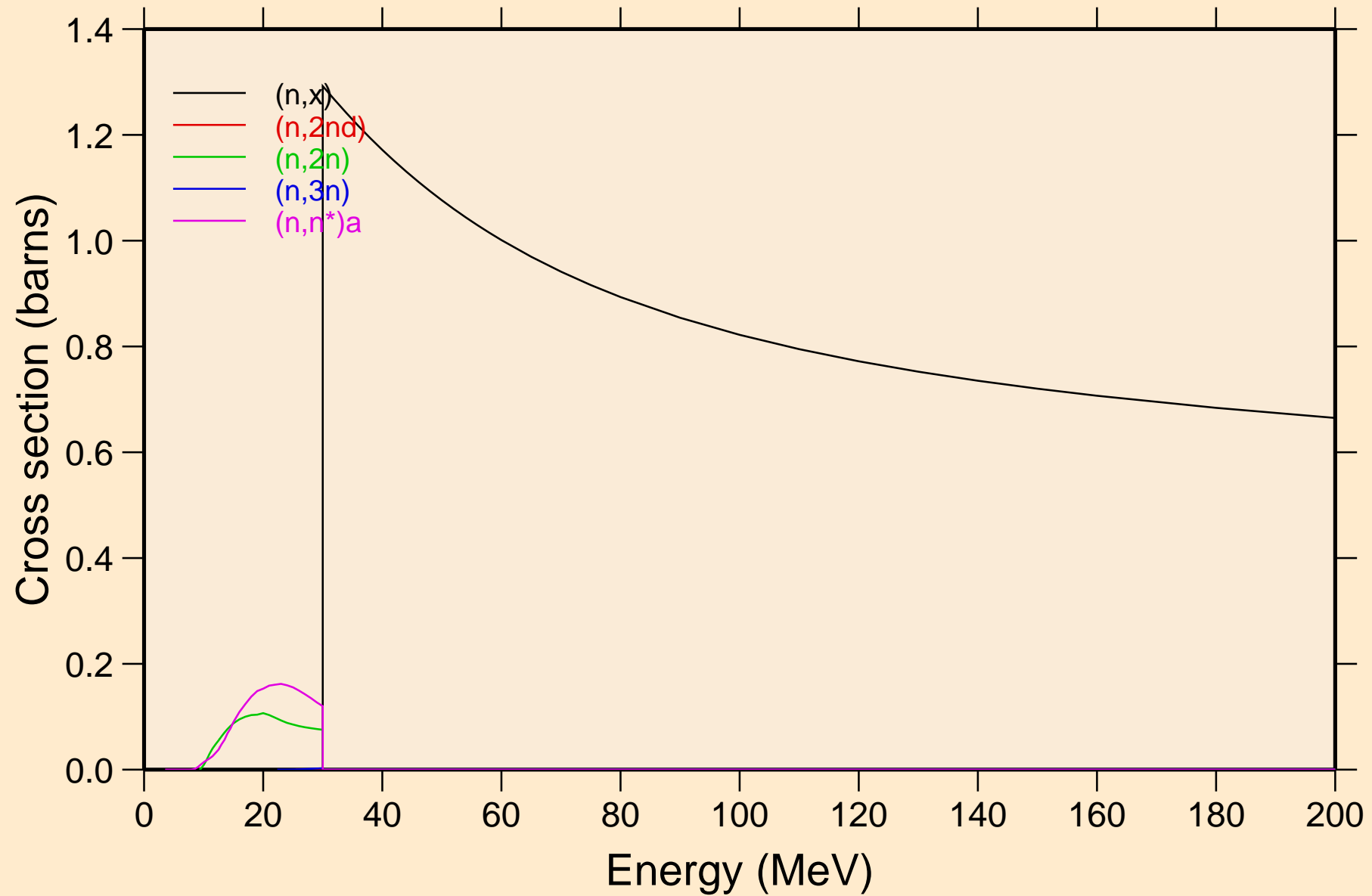
## Inelastic levels





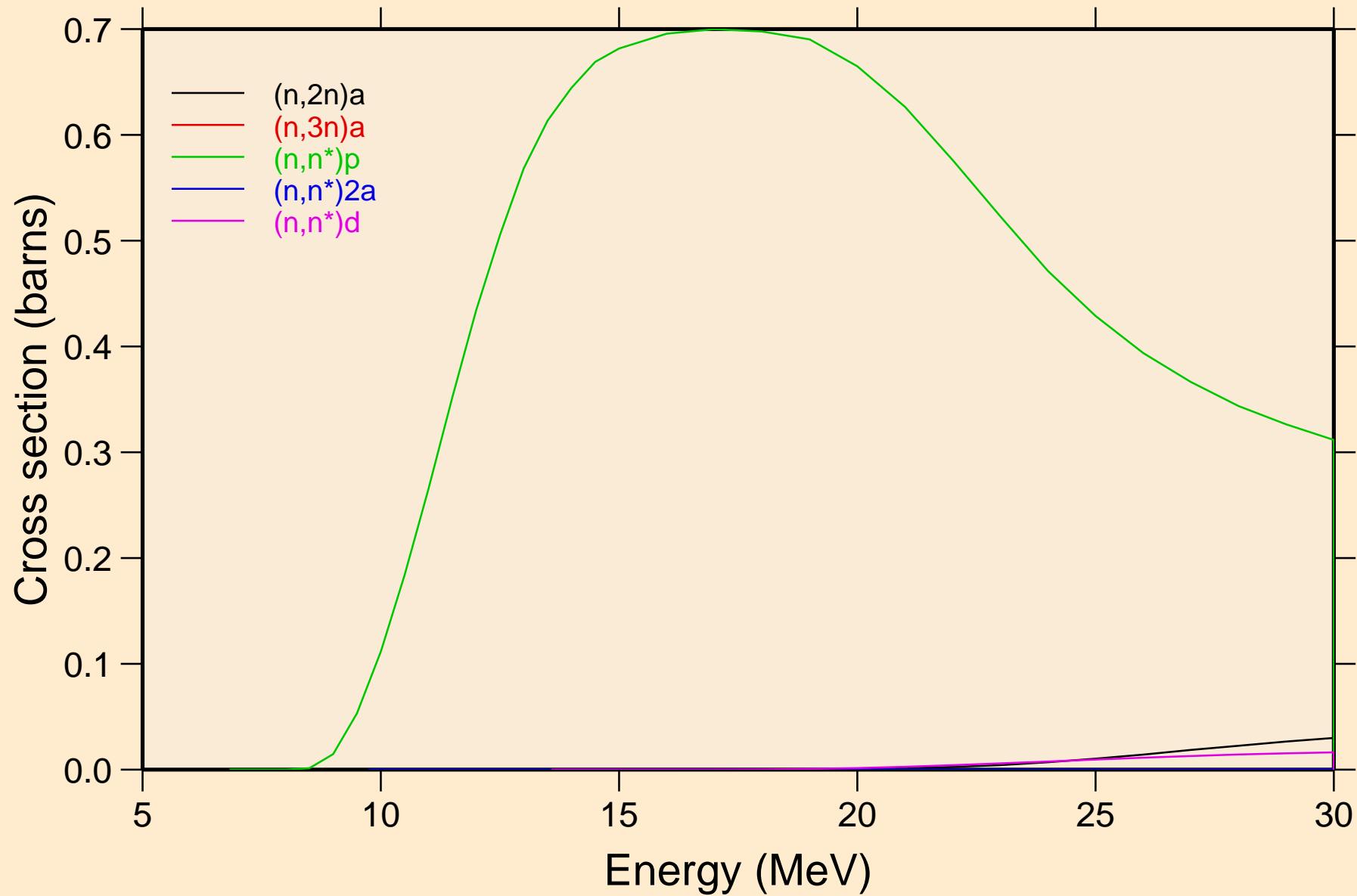
# ZN063 NRG TENDL-2015, AKONING

## Threshold reactions



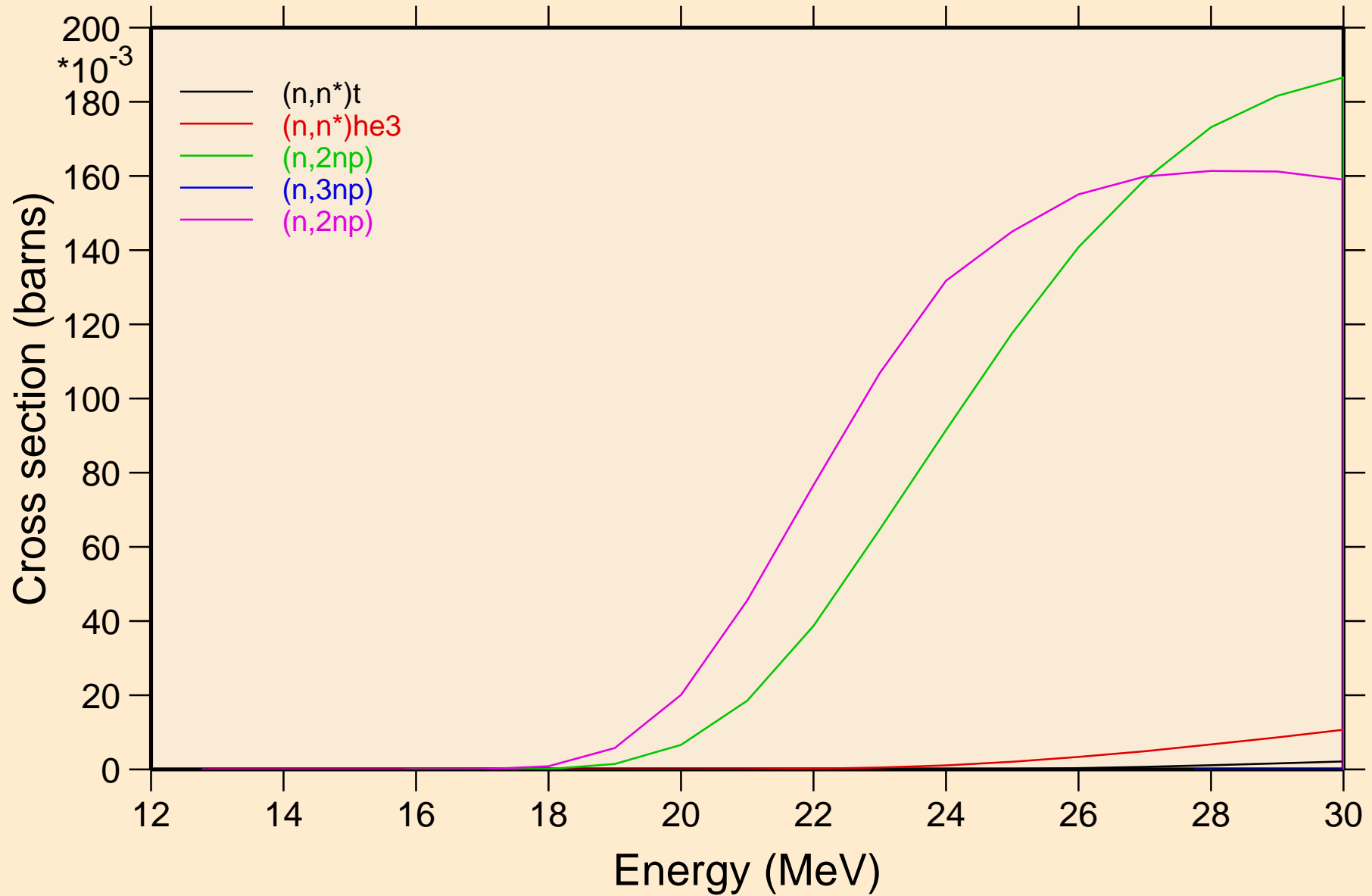
# ZN063 NRG TENDL-2015, AKONING

## Threshold reactions



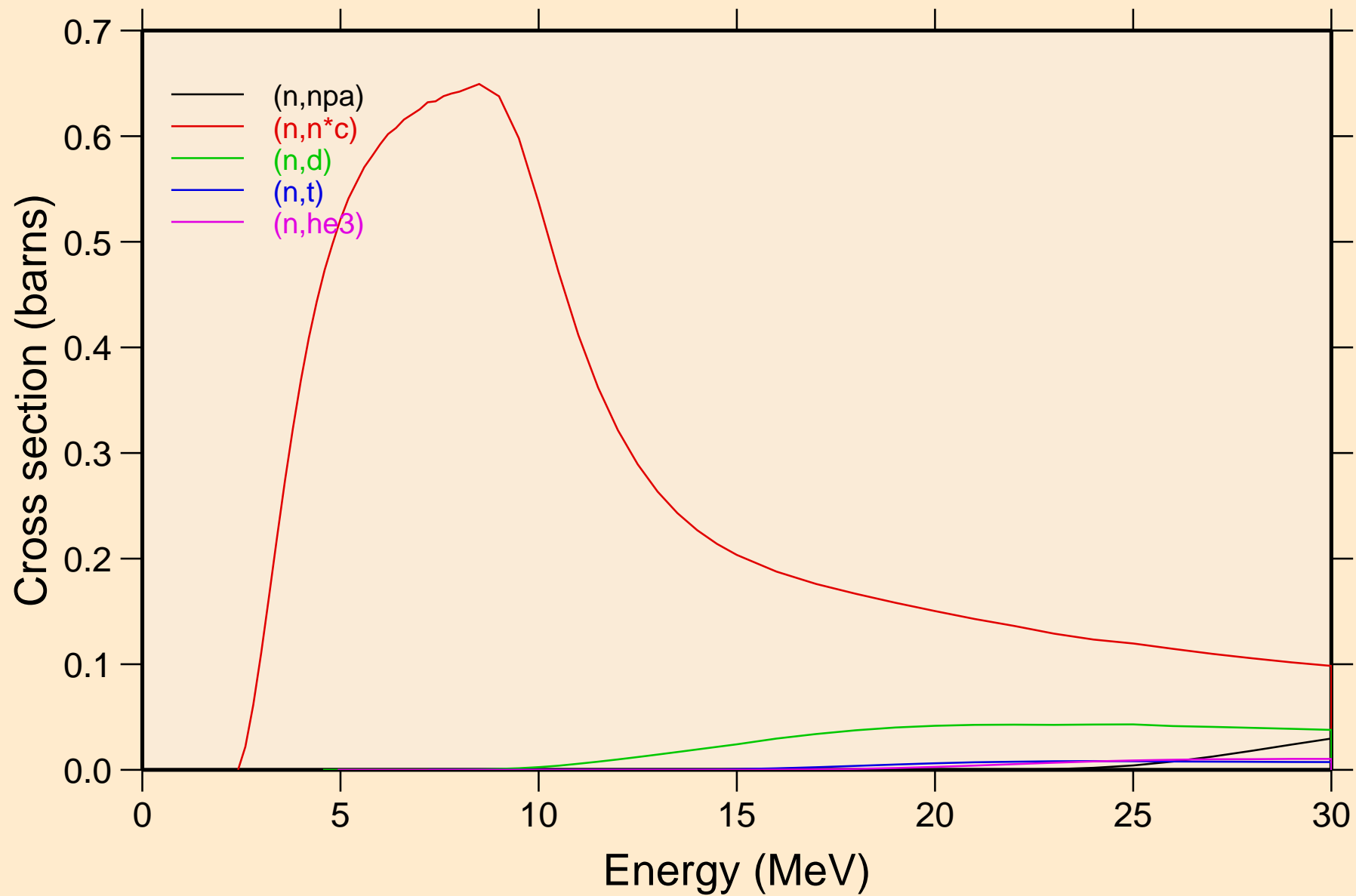
# ZN063 NRG TENDL-2015, AKONING

## Threshold reactions



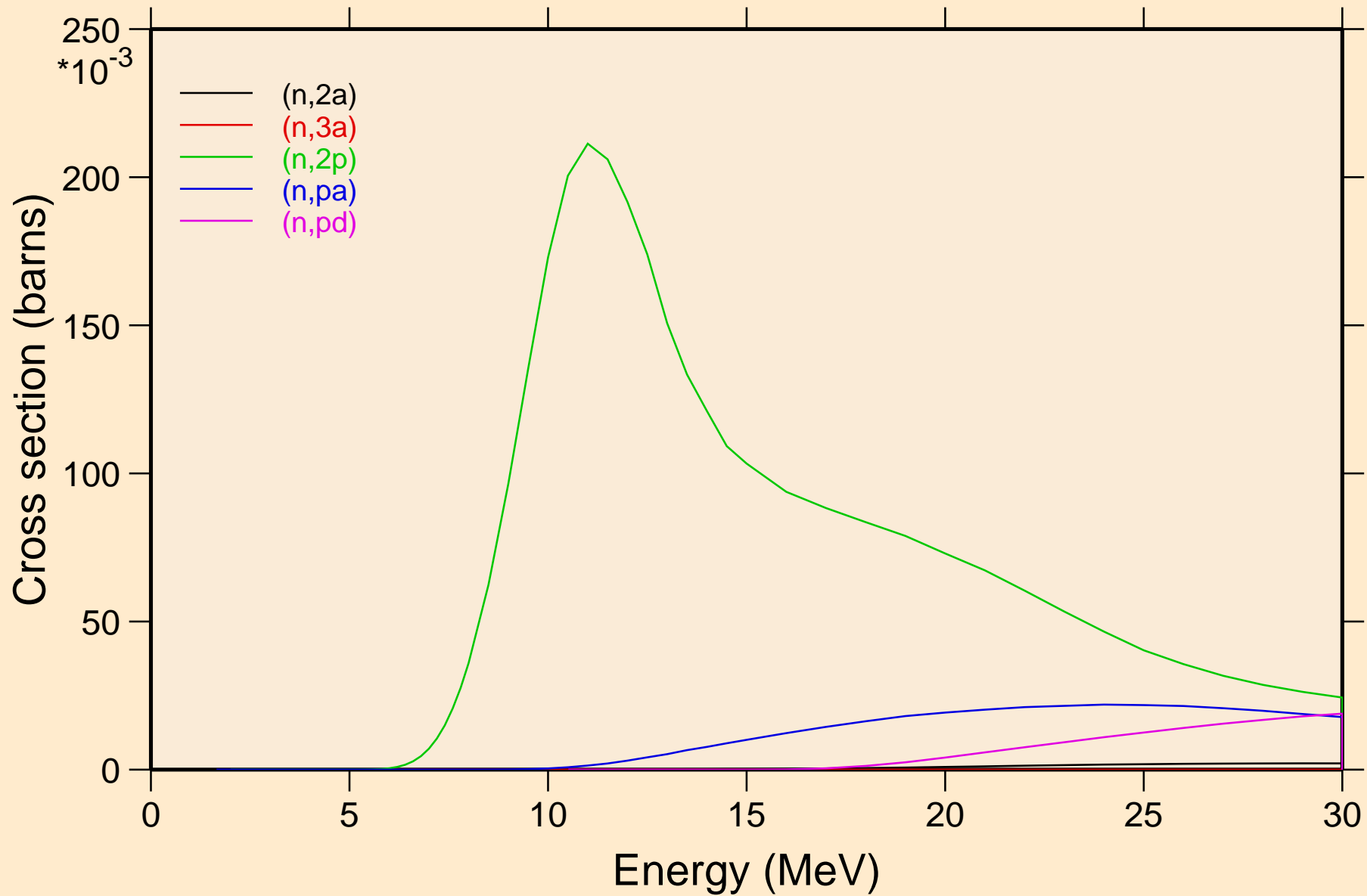
# ZN063 NRG TENDL-2015, AKONING

## Threshold reactions



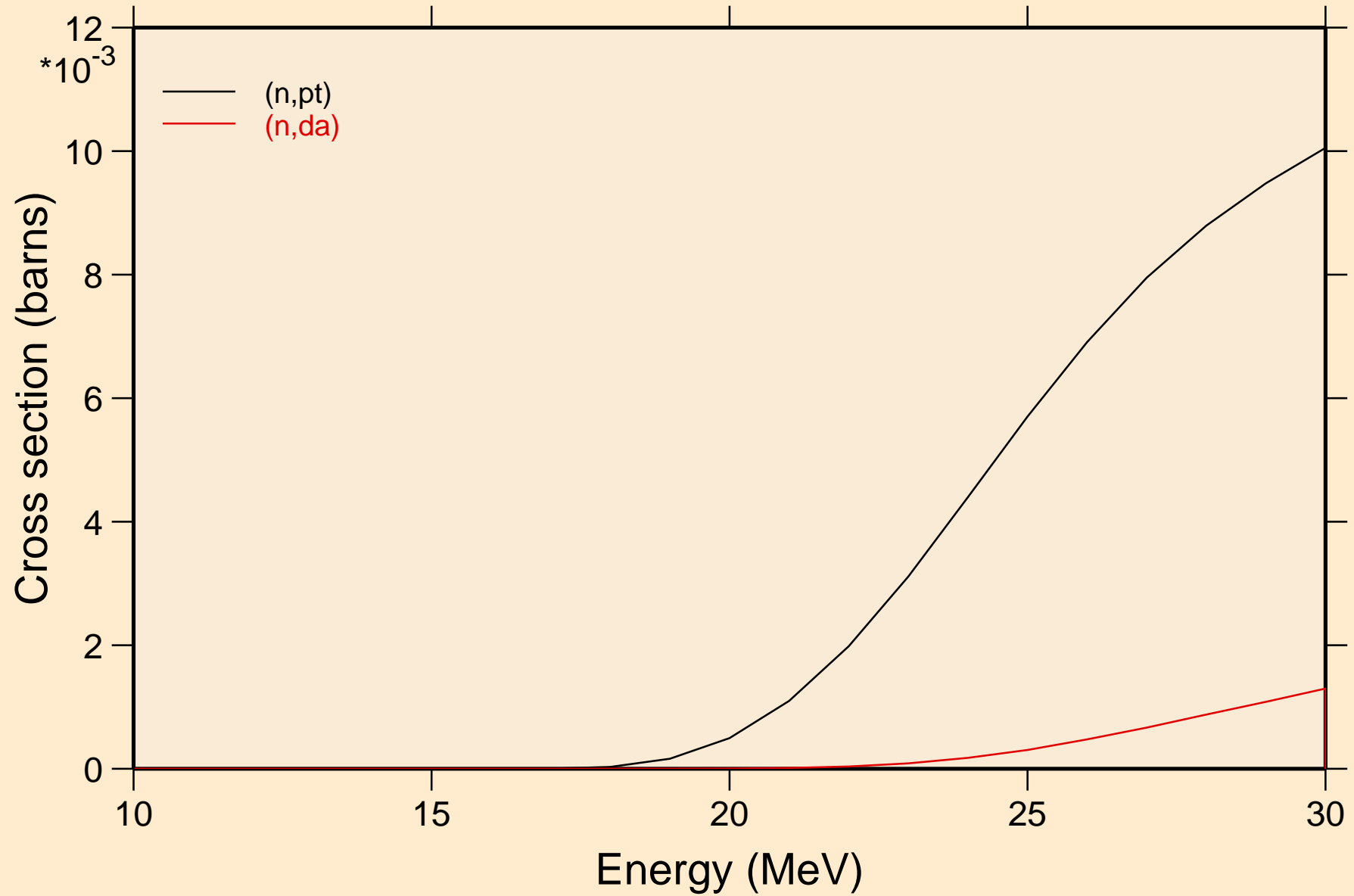
# ZN063 NRG TENDL-2015, AKONING

## Threshold reactions

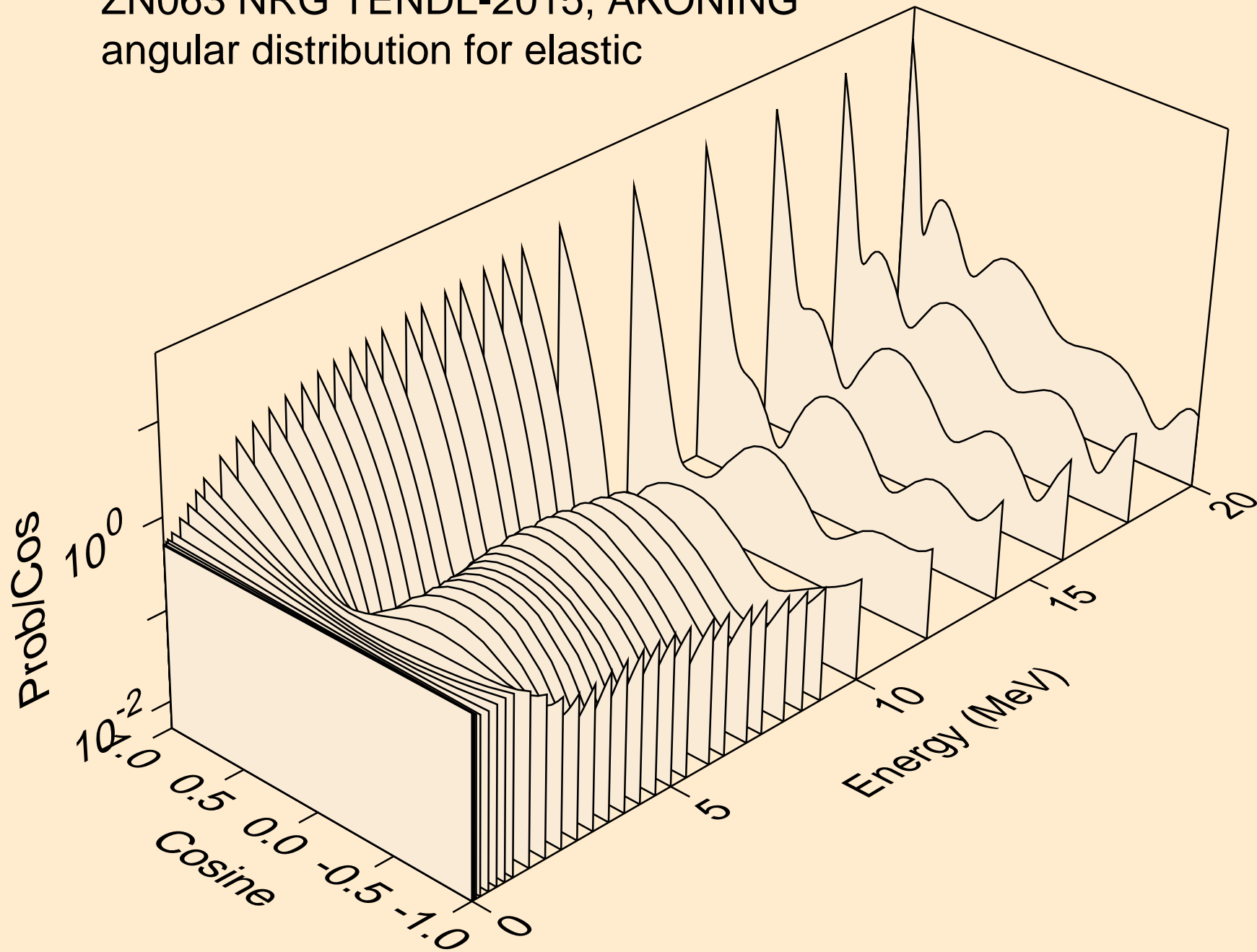


# ZN063 NRG TENDL-2015, AKONING

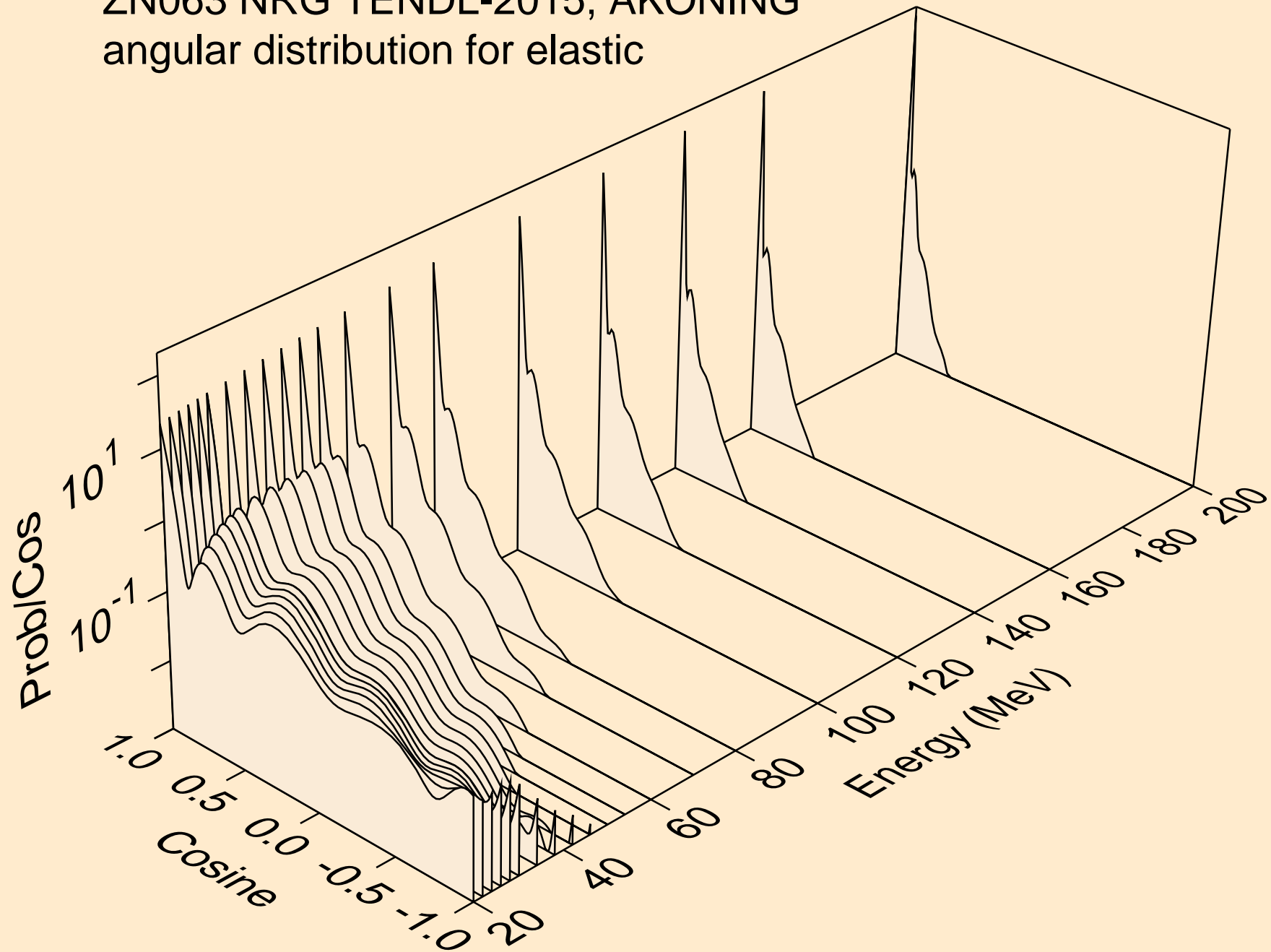
## Threshold reactions



ZN063 NRG TENDL-2015, AKONING  
angular distribution for elastic

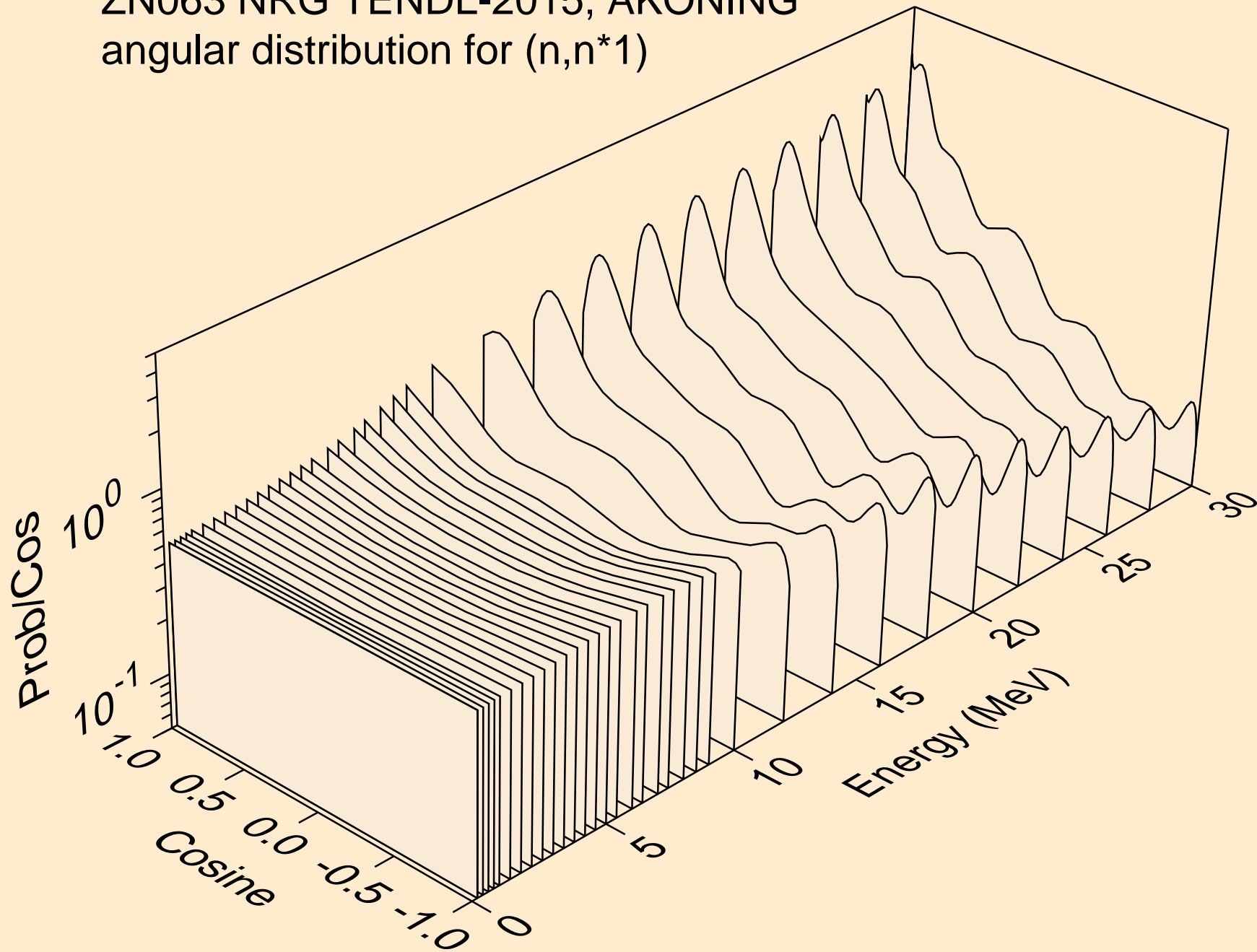


ZN063 NRG TENDL-2015, AKONING  
angular distribution for elastic

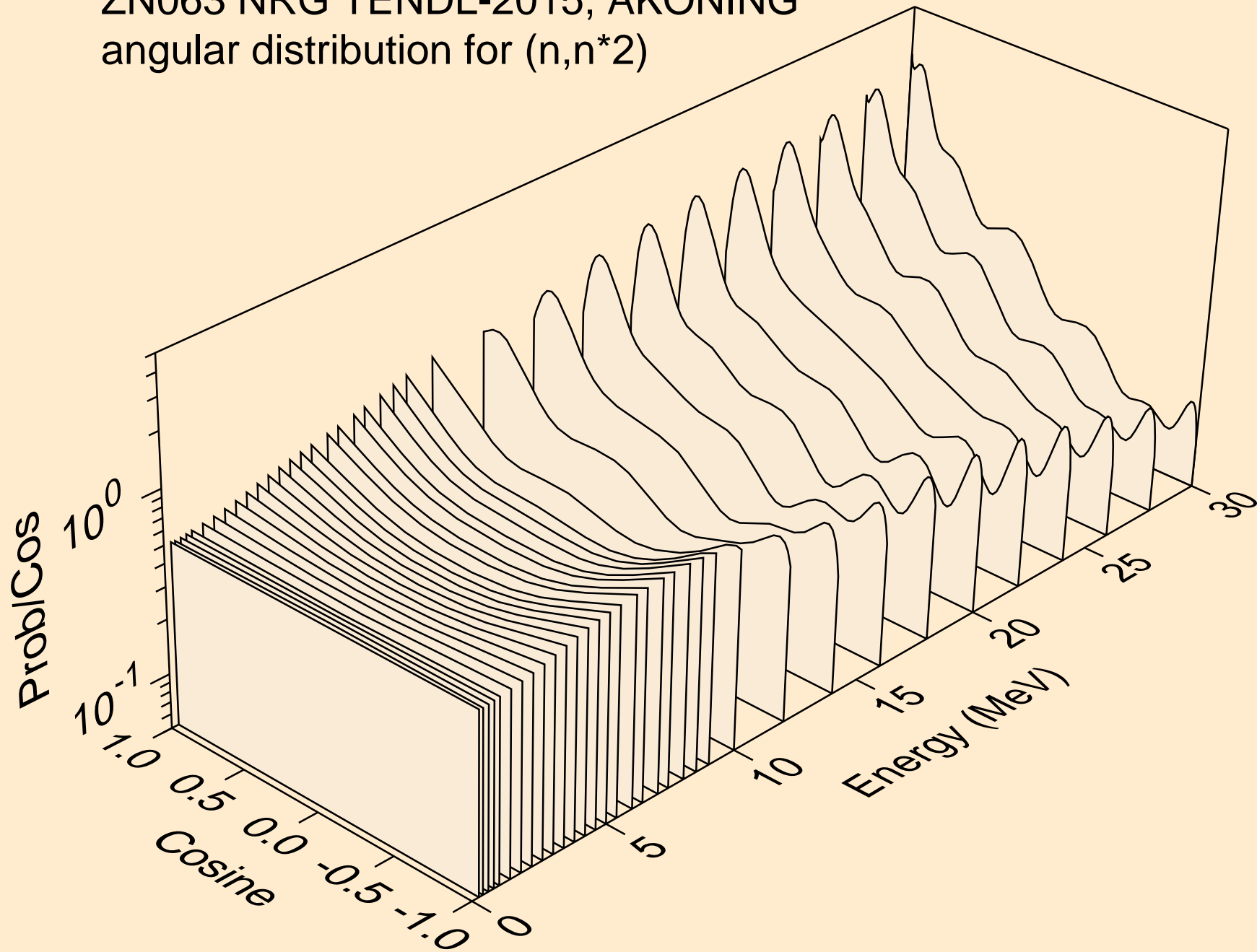




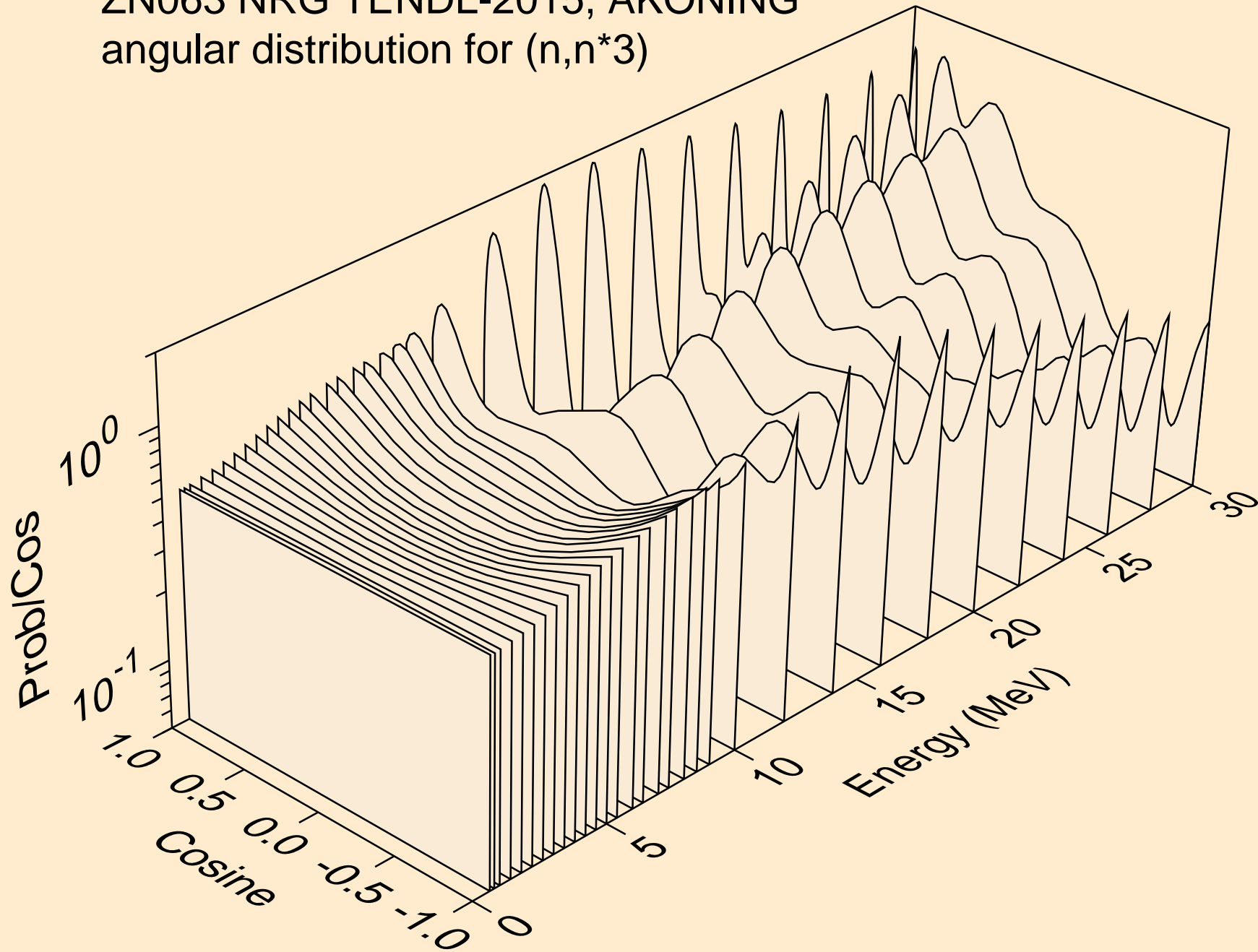
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



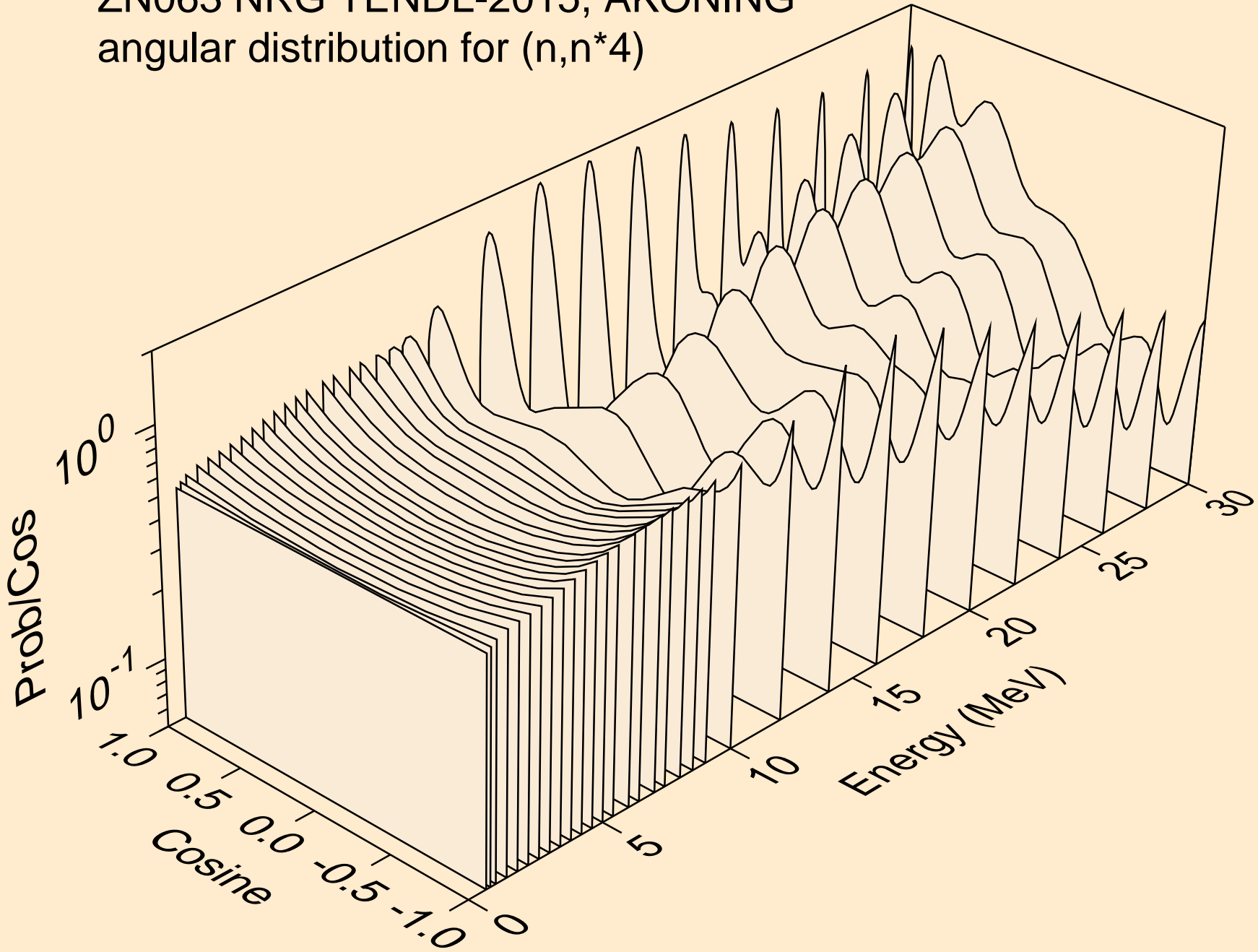
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



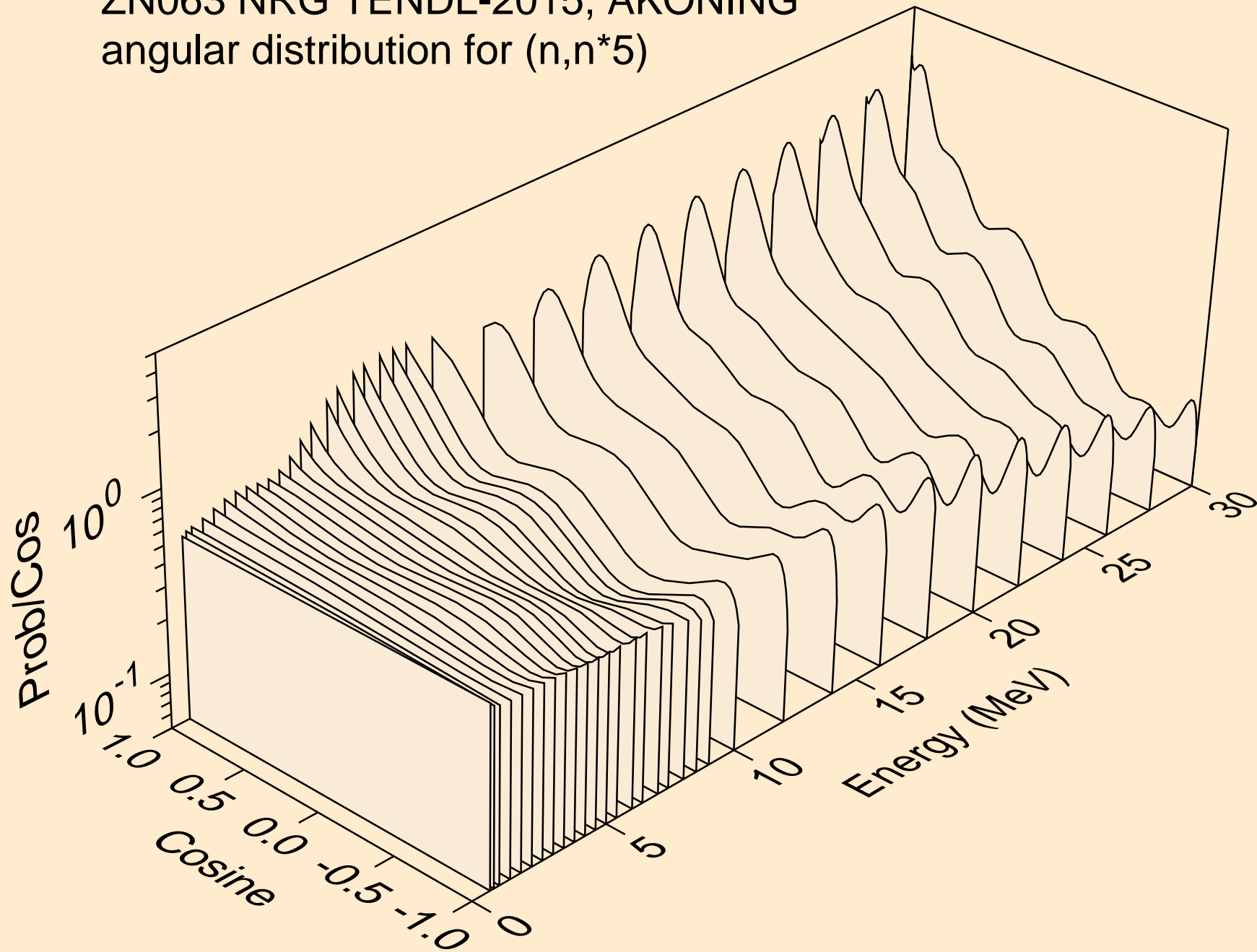
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



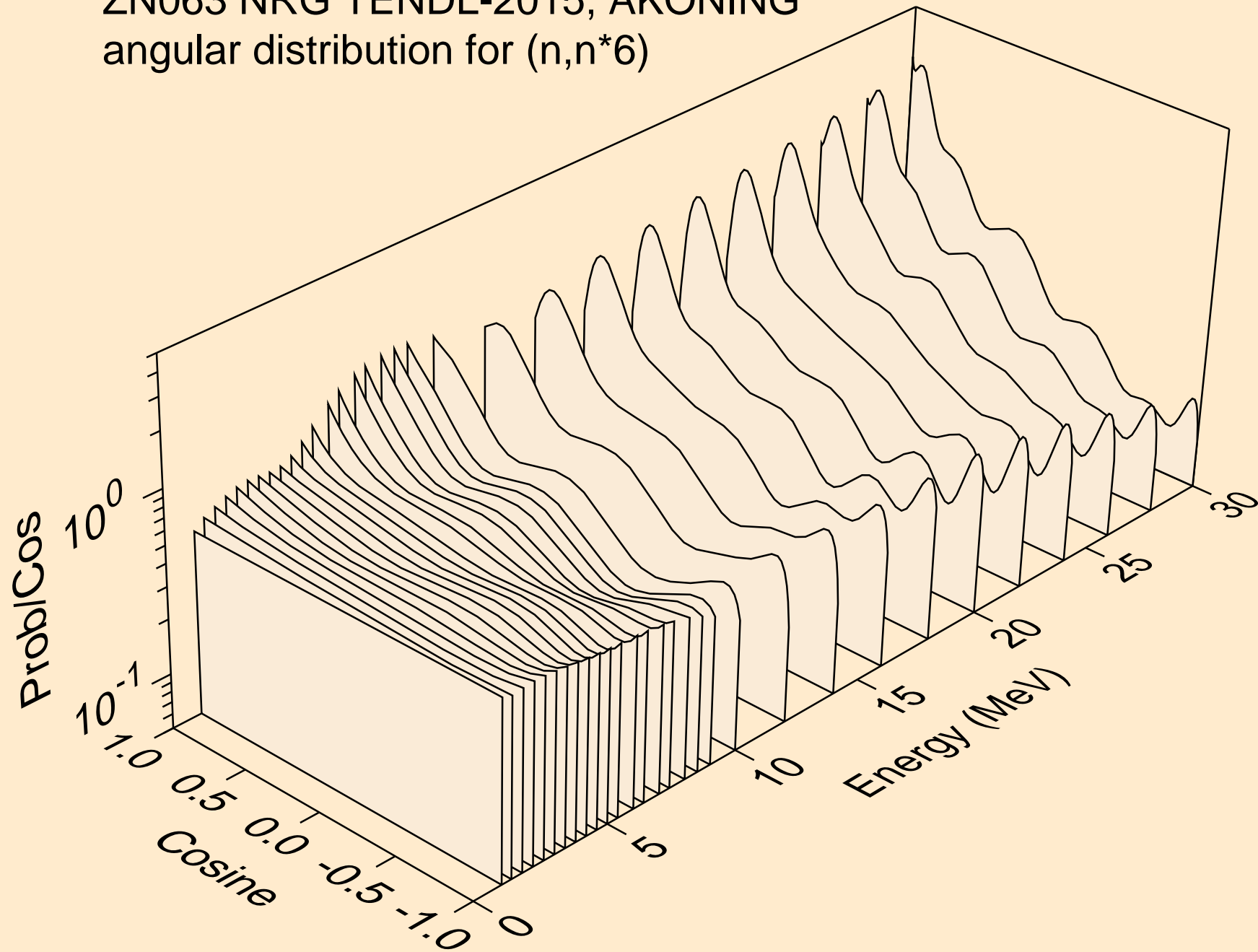
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



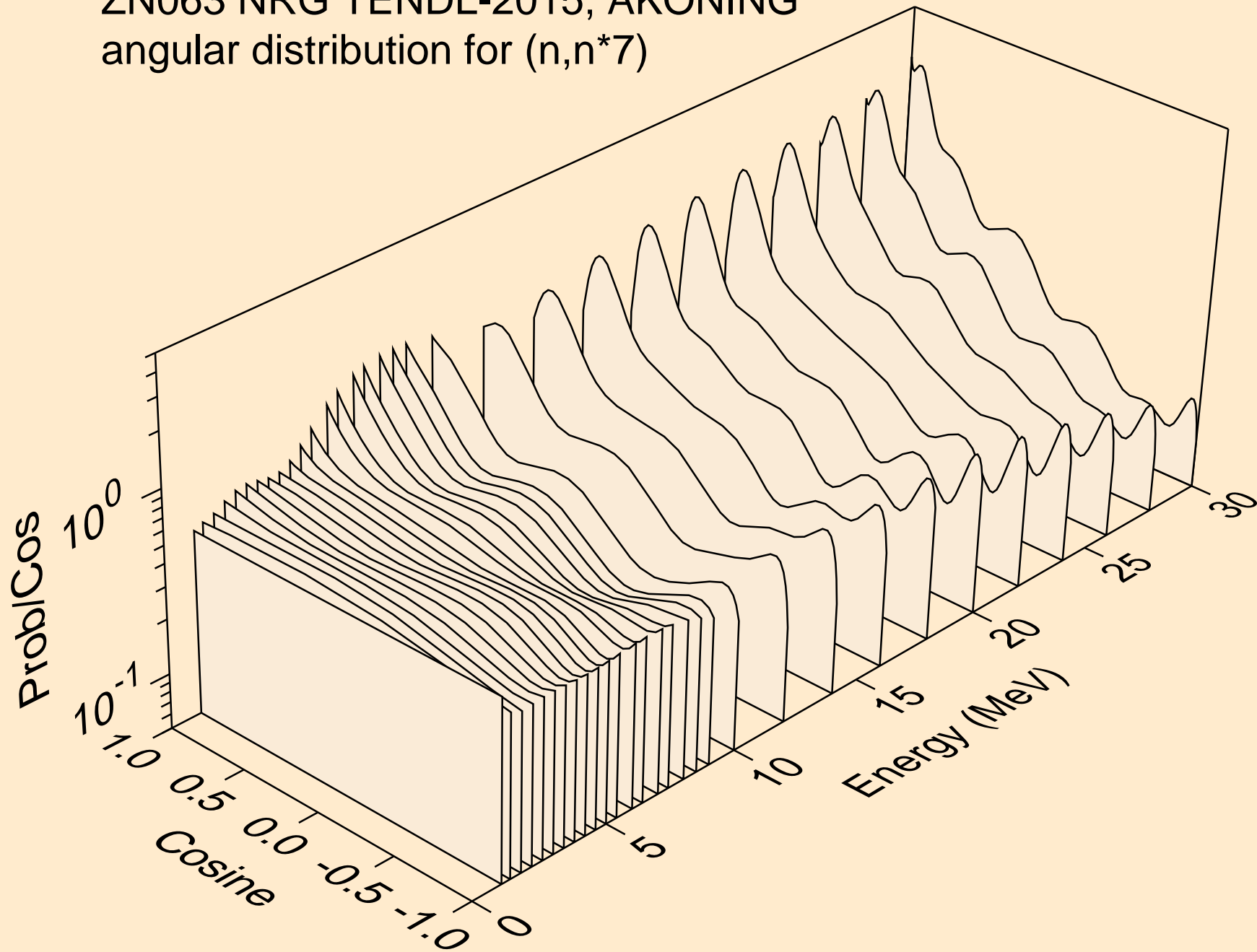
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



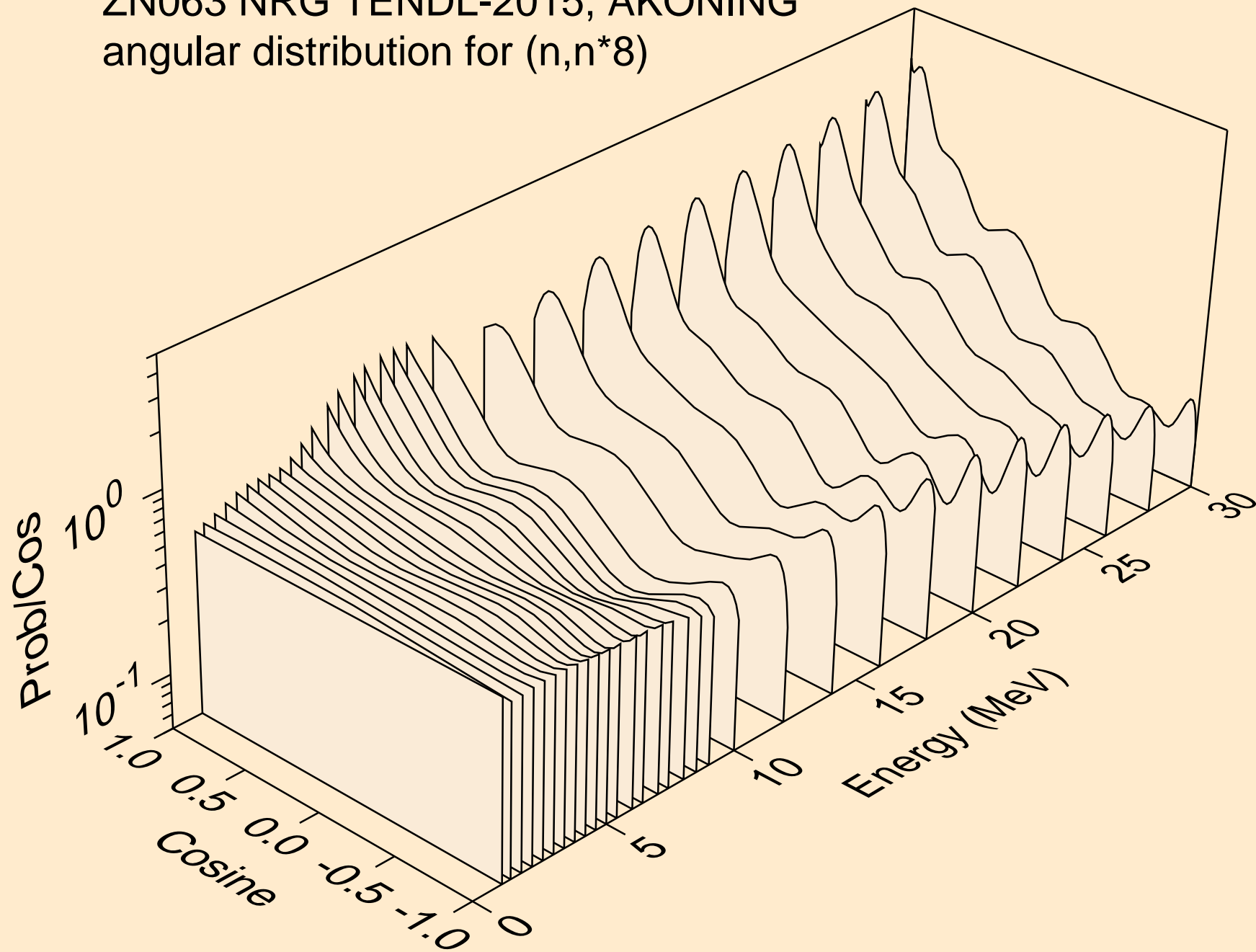
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

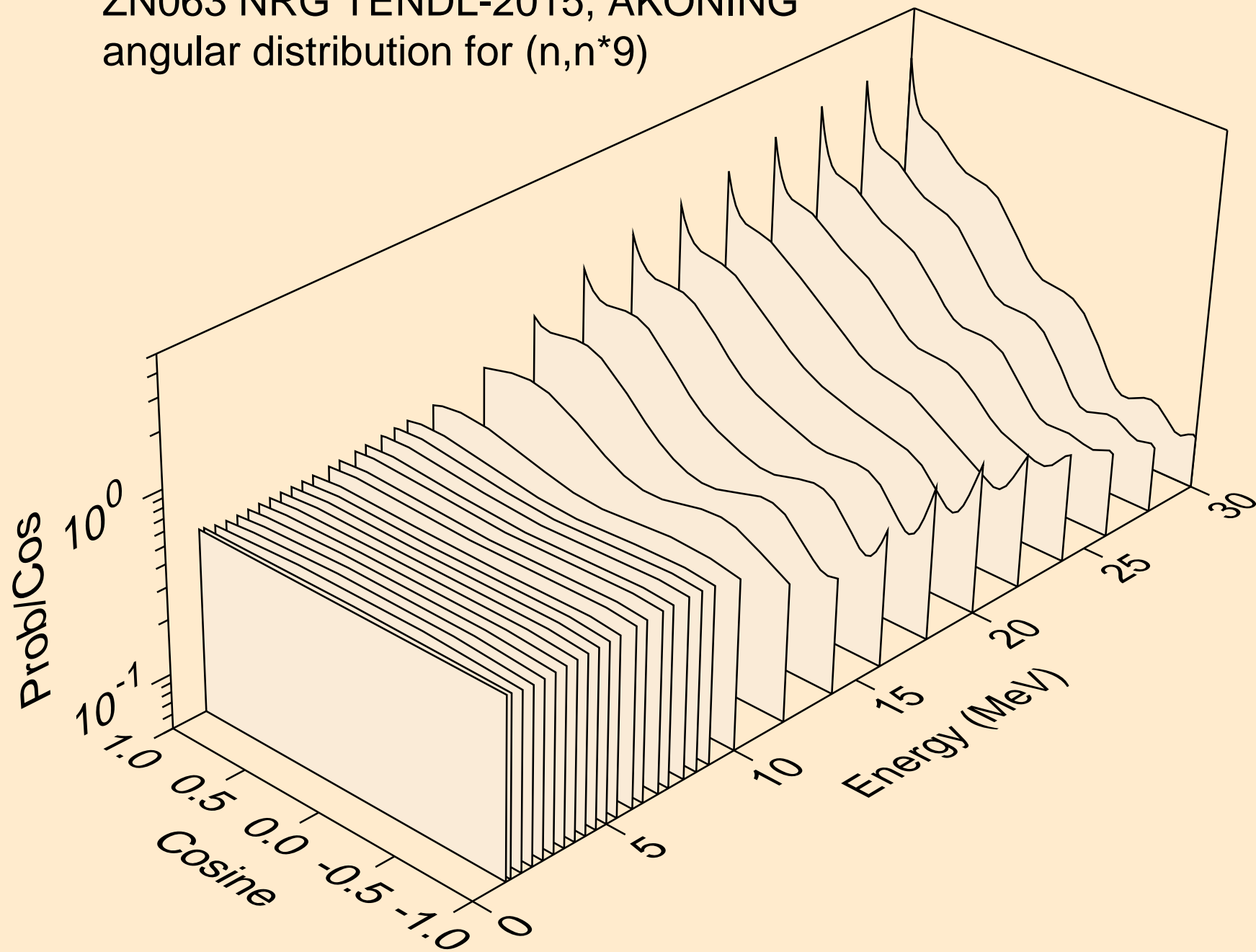


ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

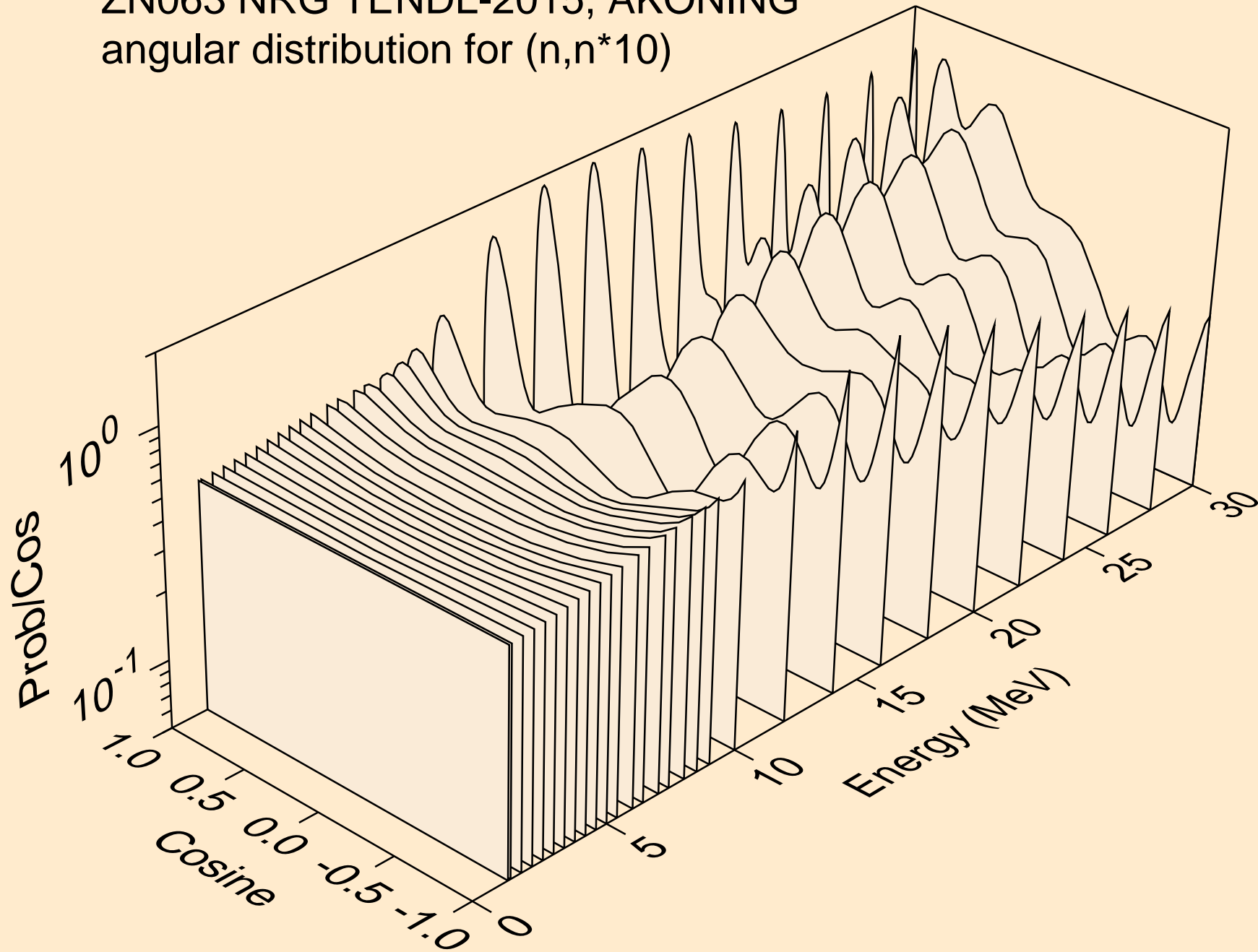




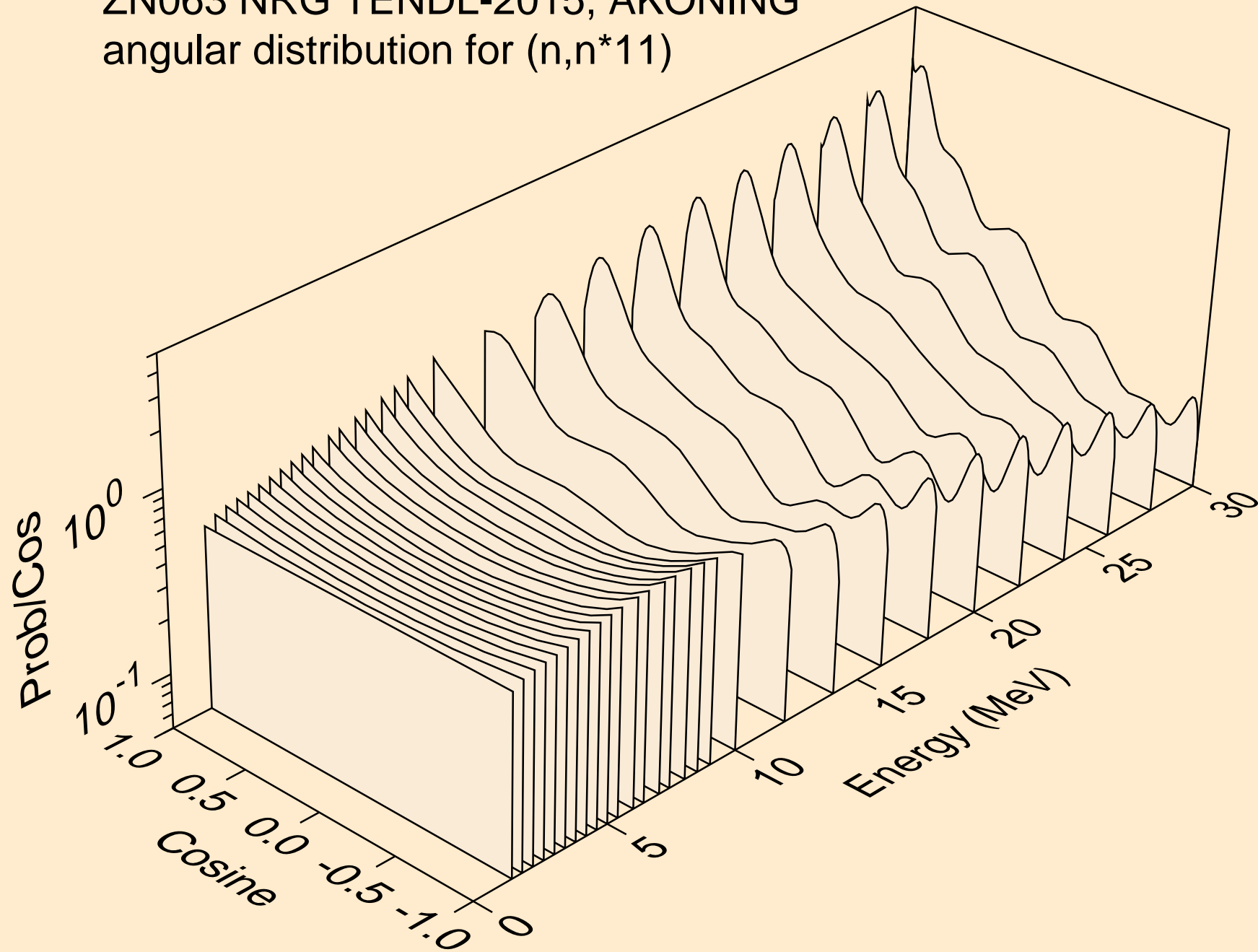
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



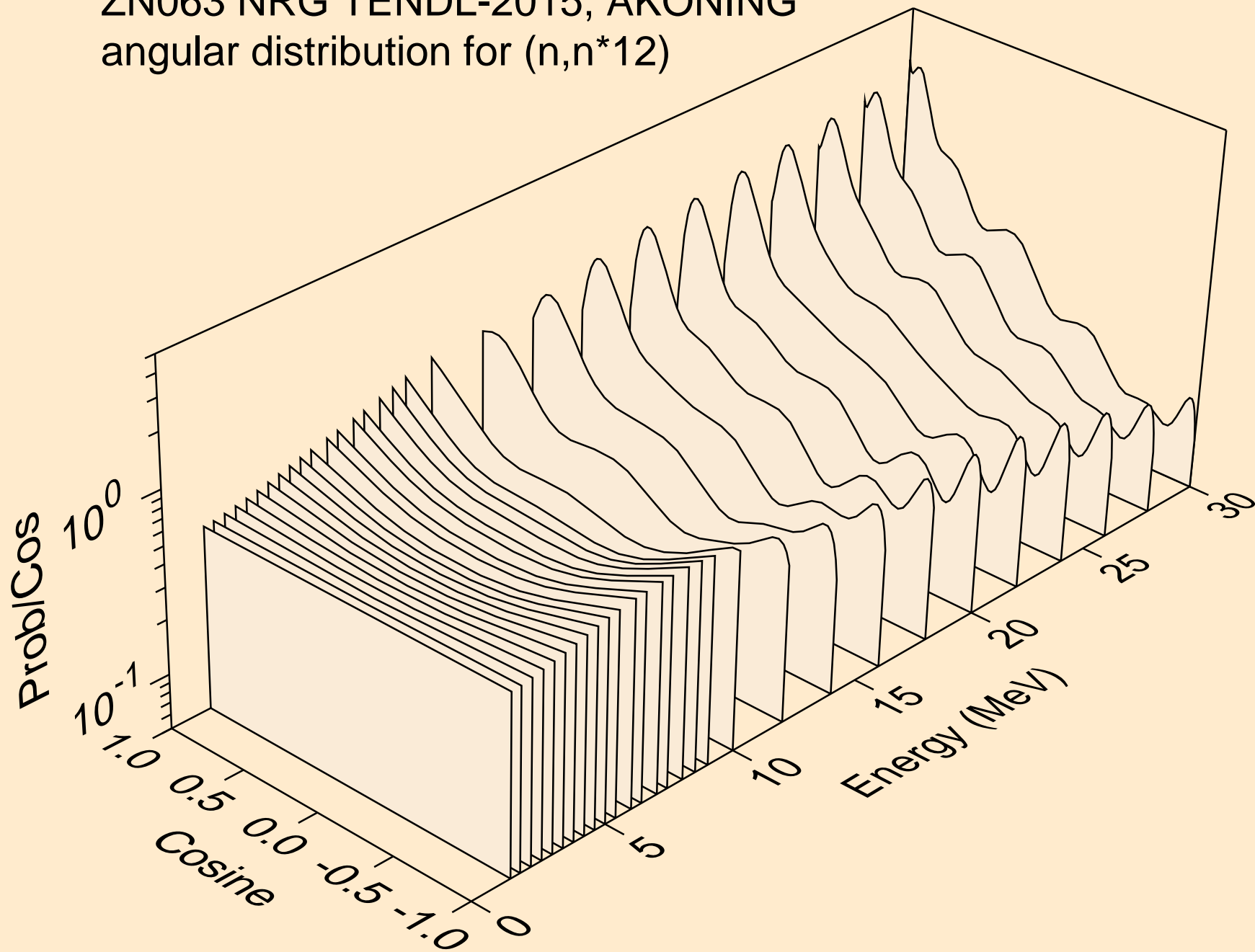
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



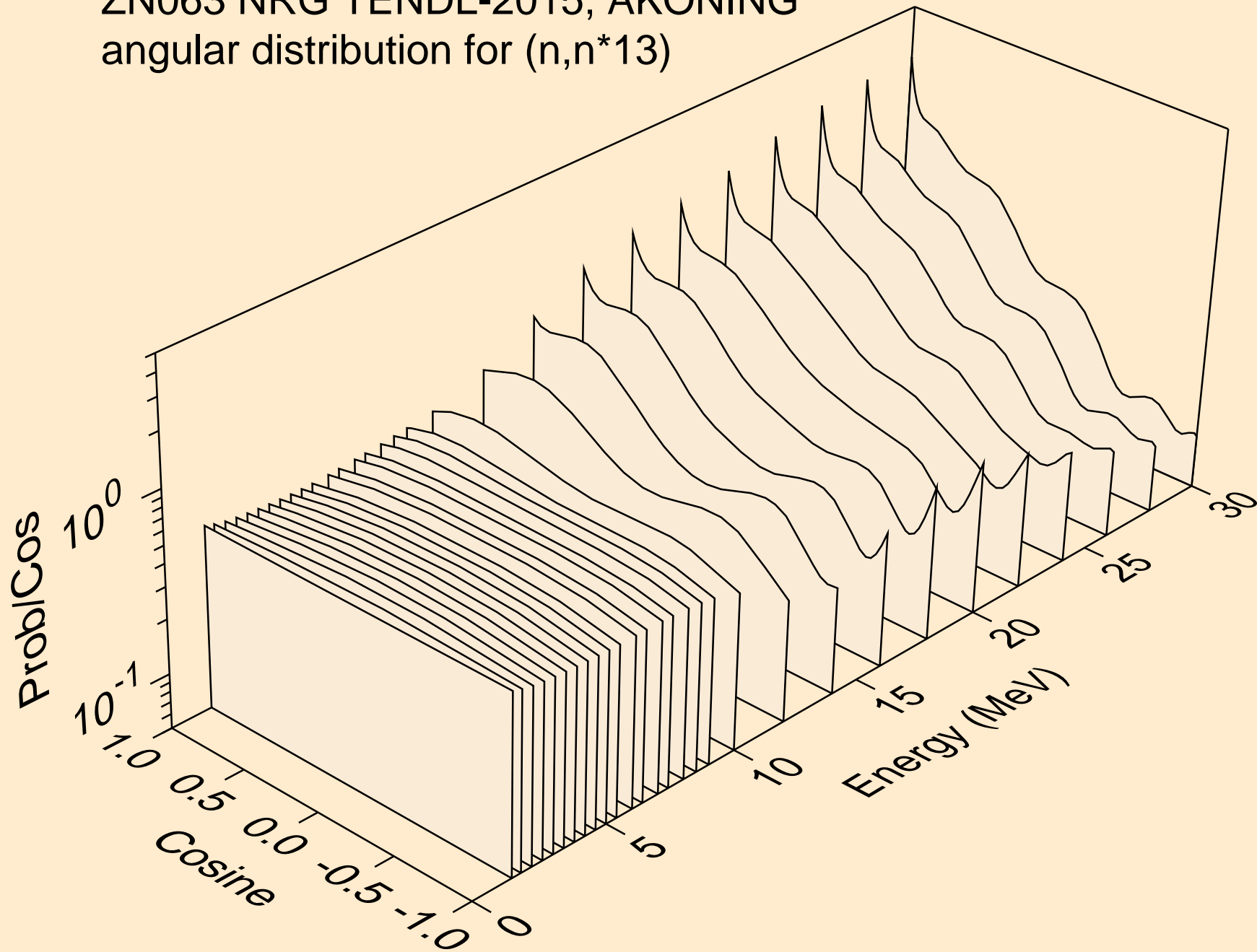
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



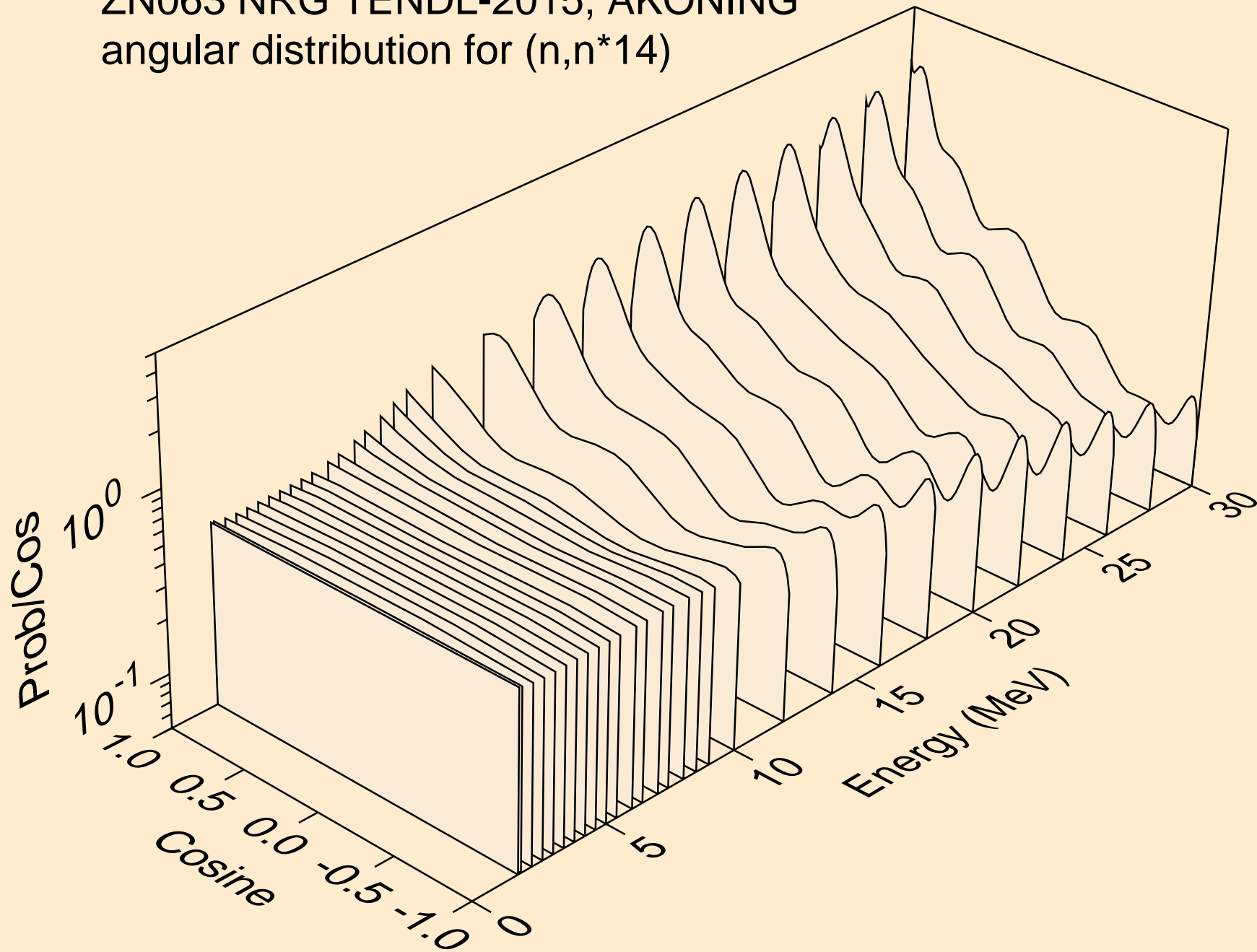
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angular distribution for (n,n\*12)



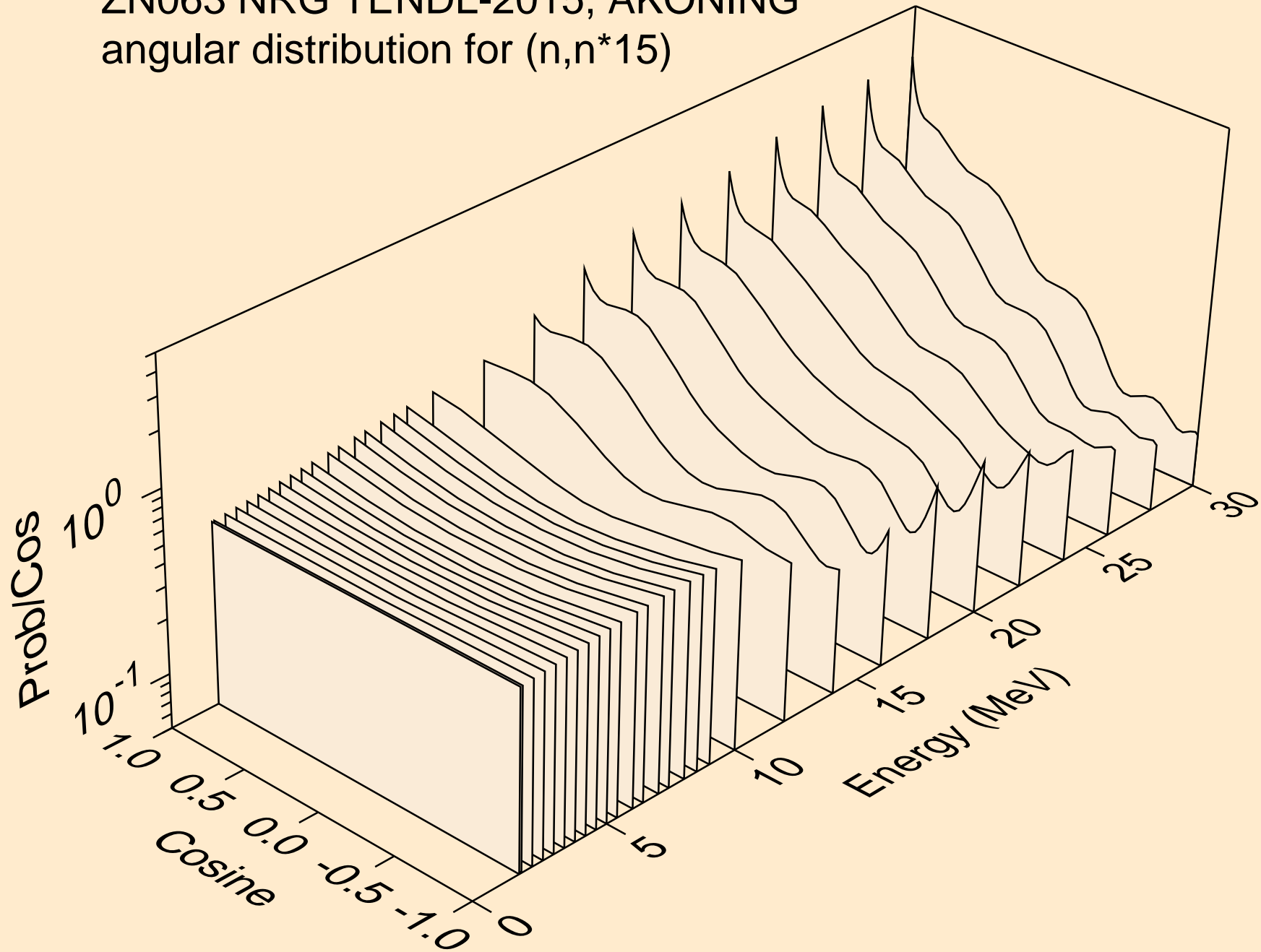
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



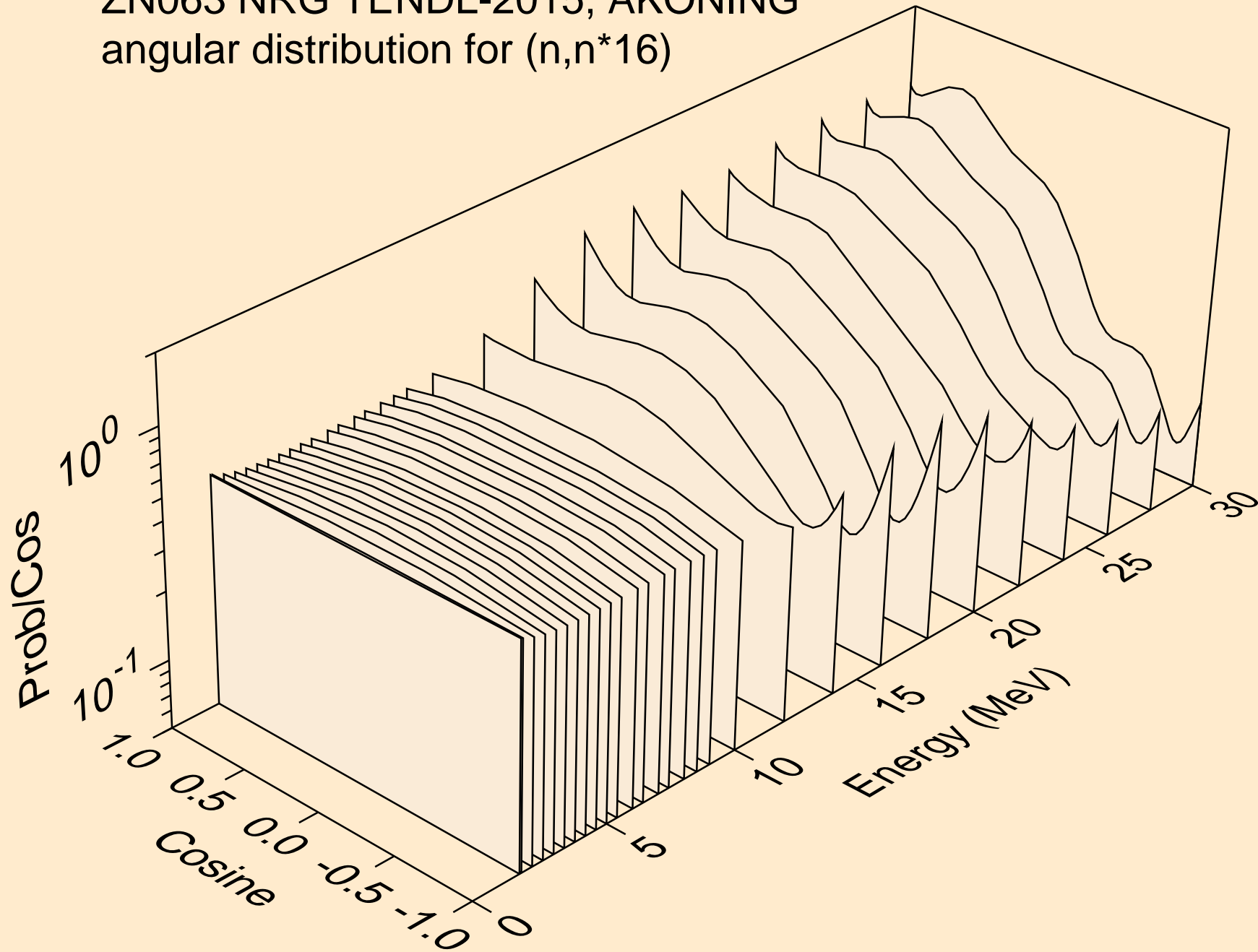
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

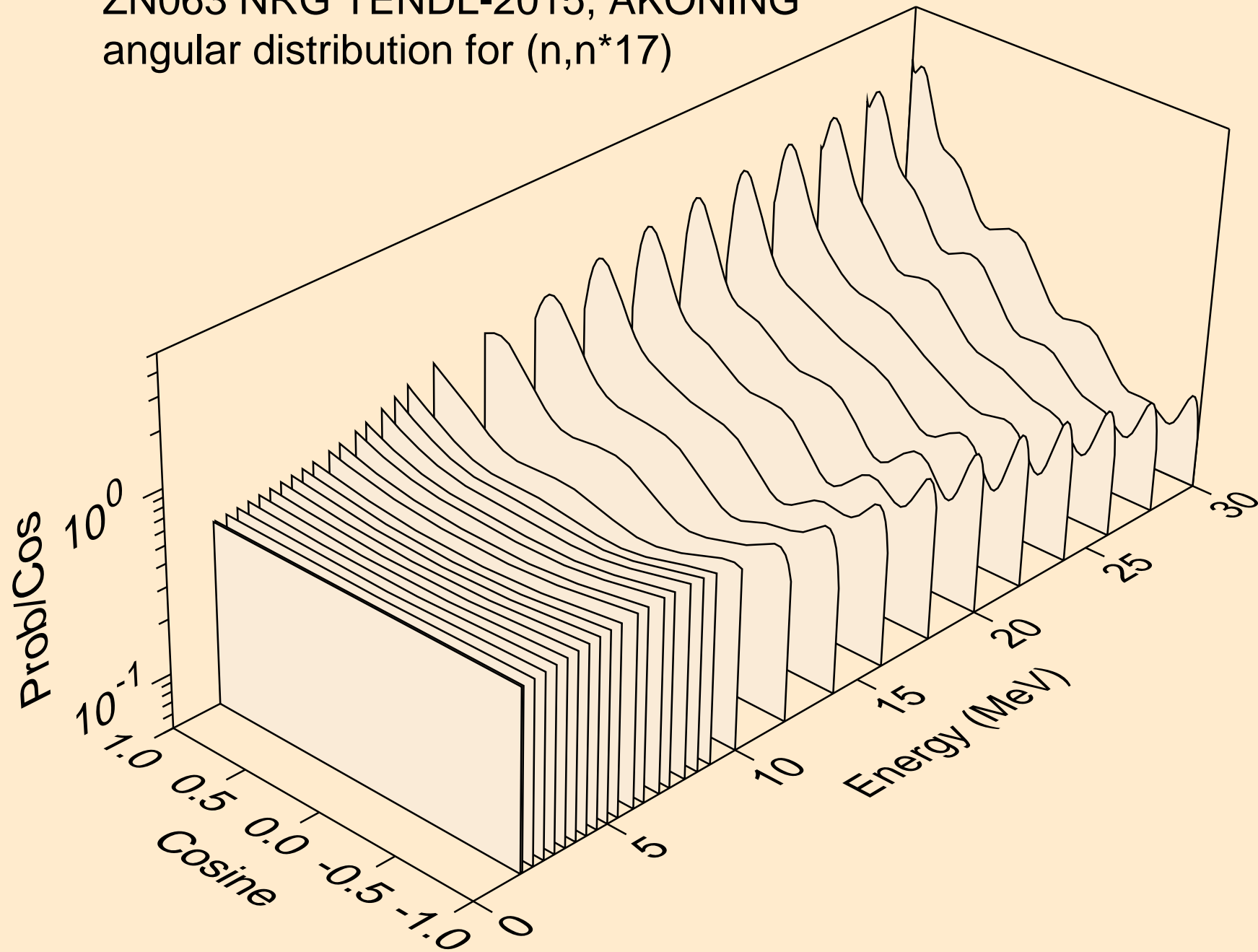


ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

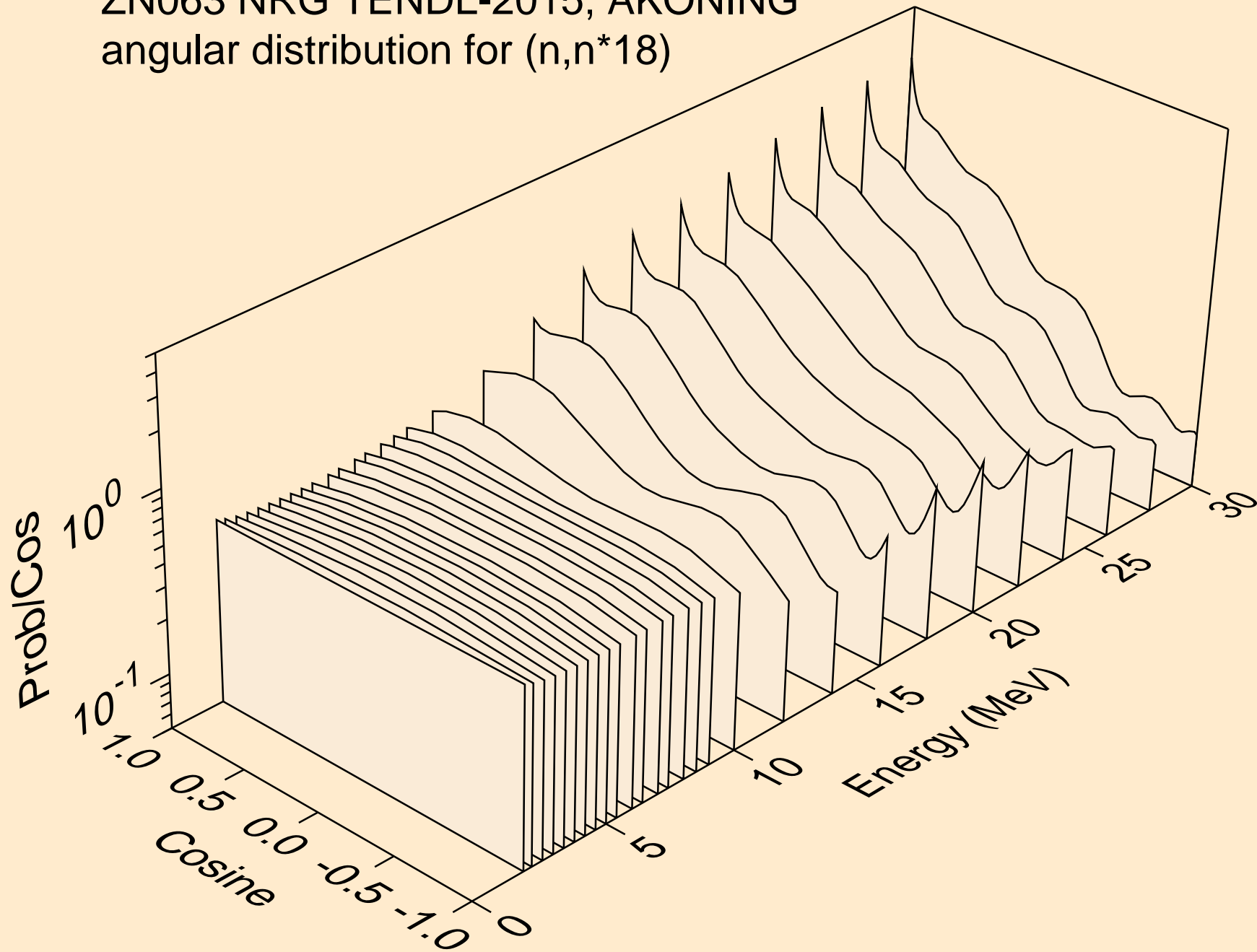




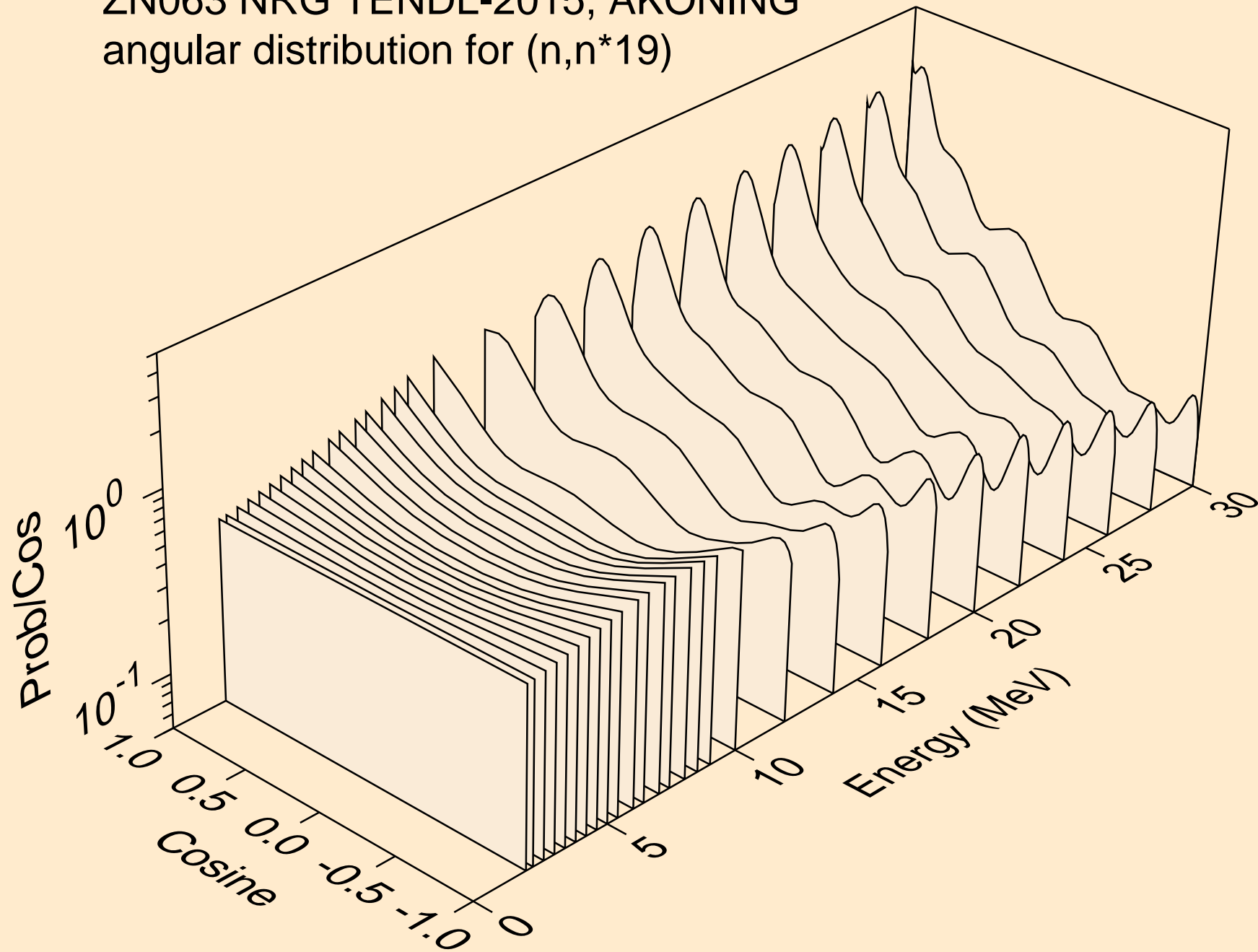
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angular distribution for (n,n\*17)



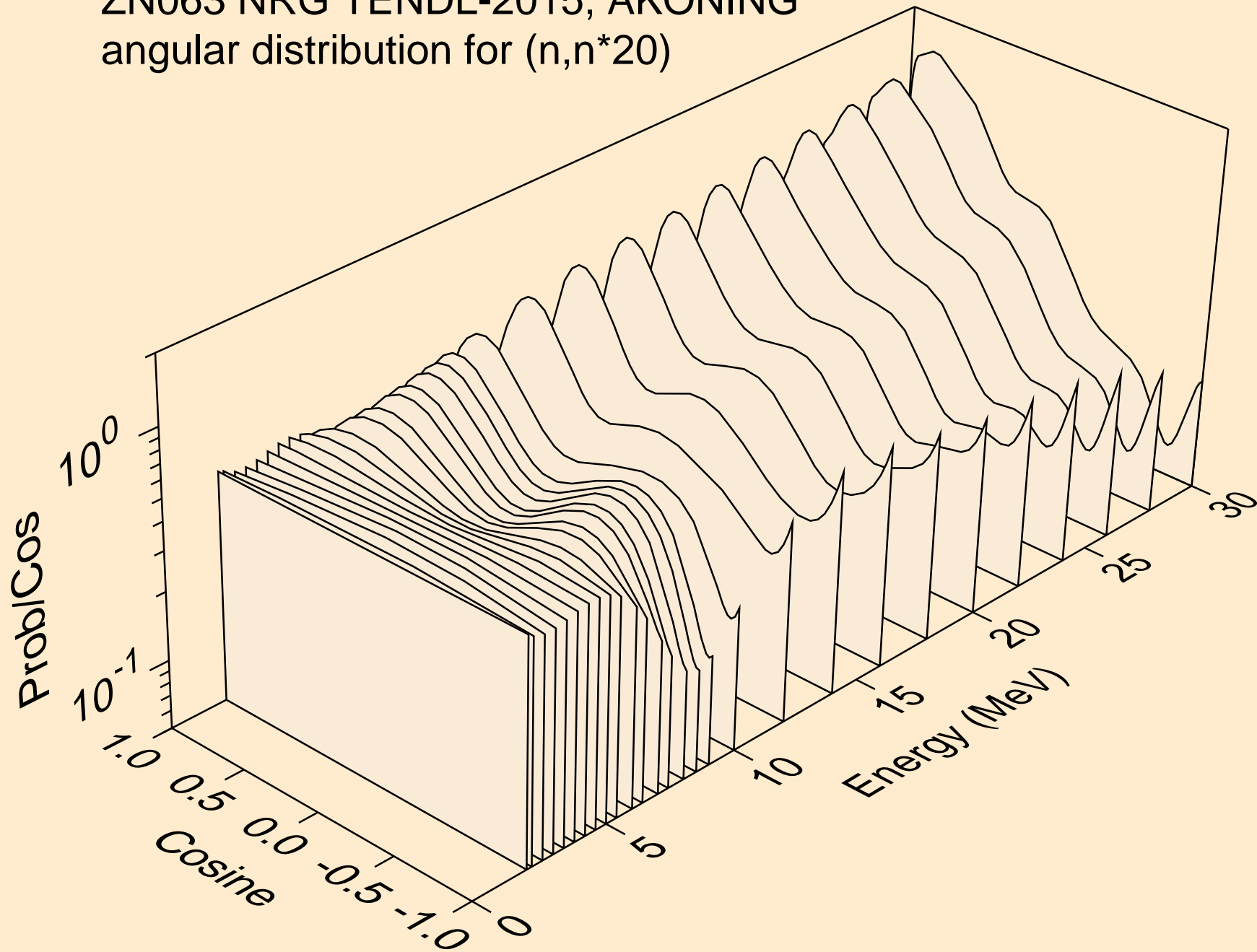
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angular distribution for (n,n\*18)



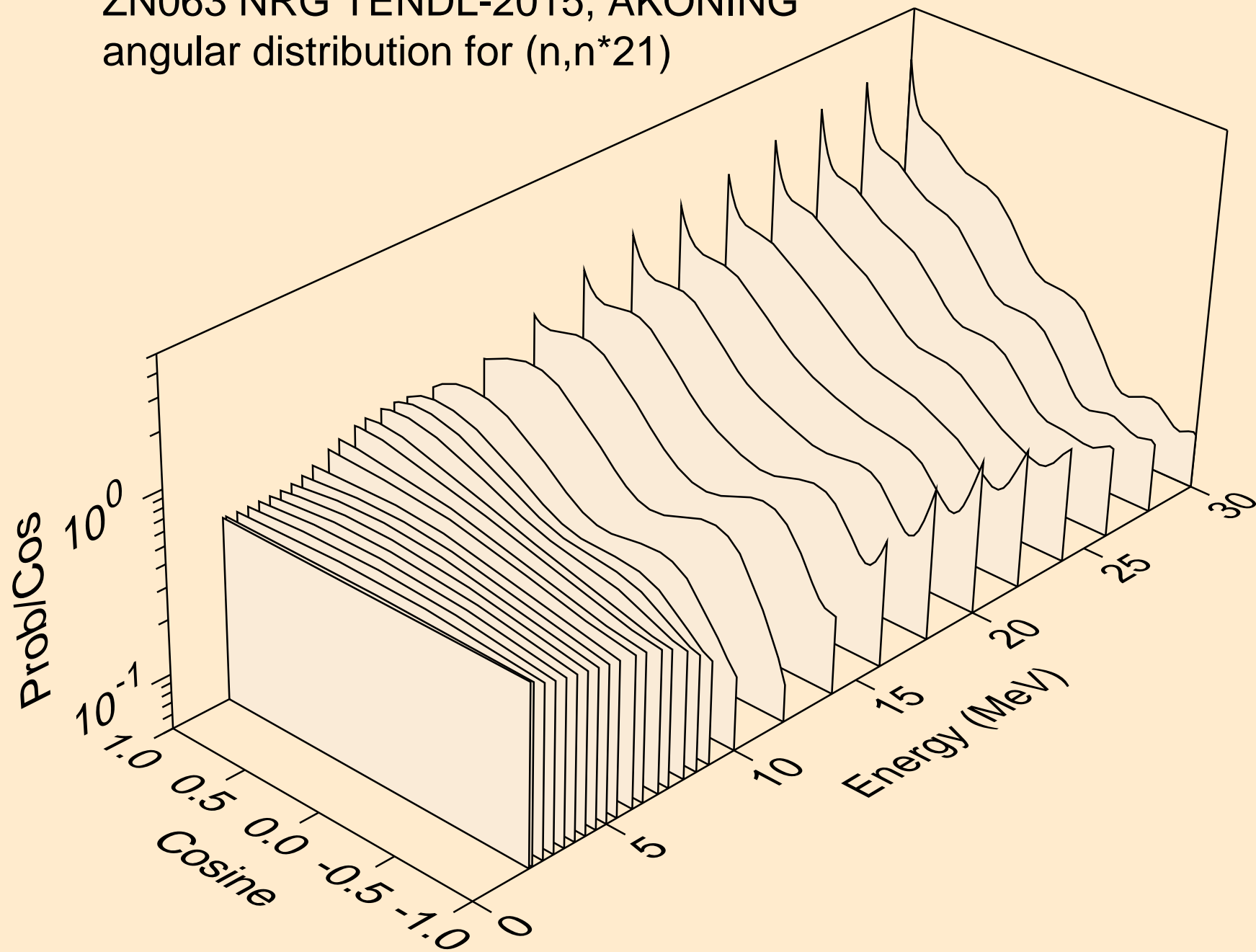
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



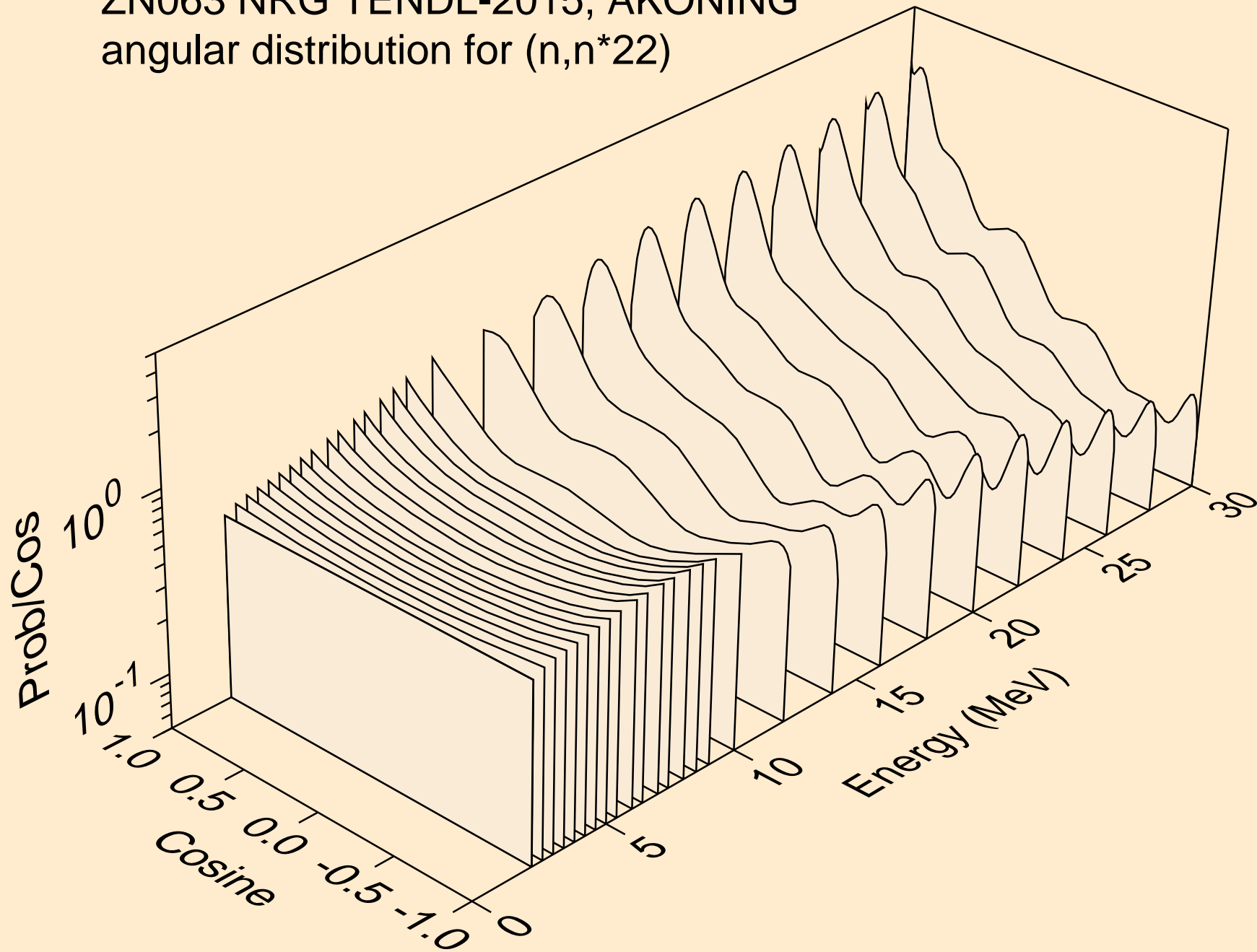
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



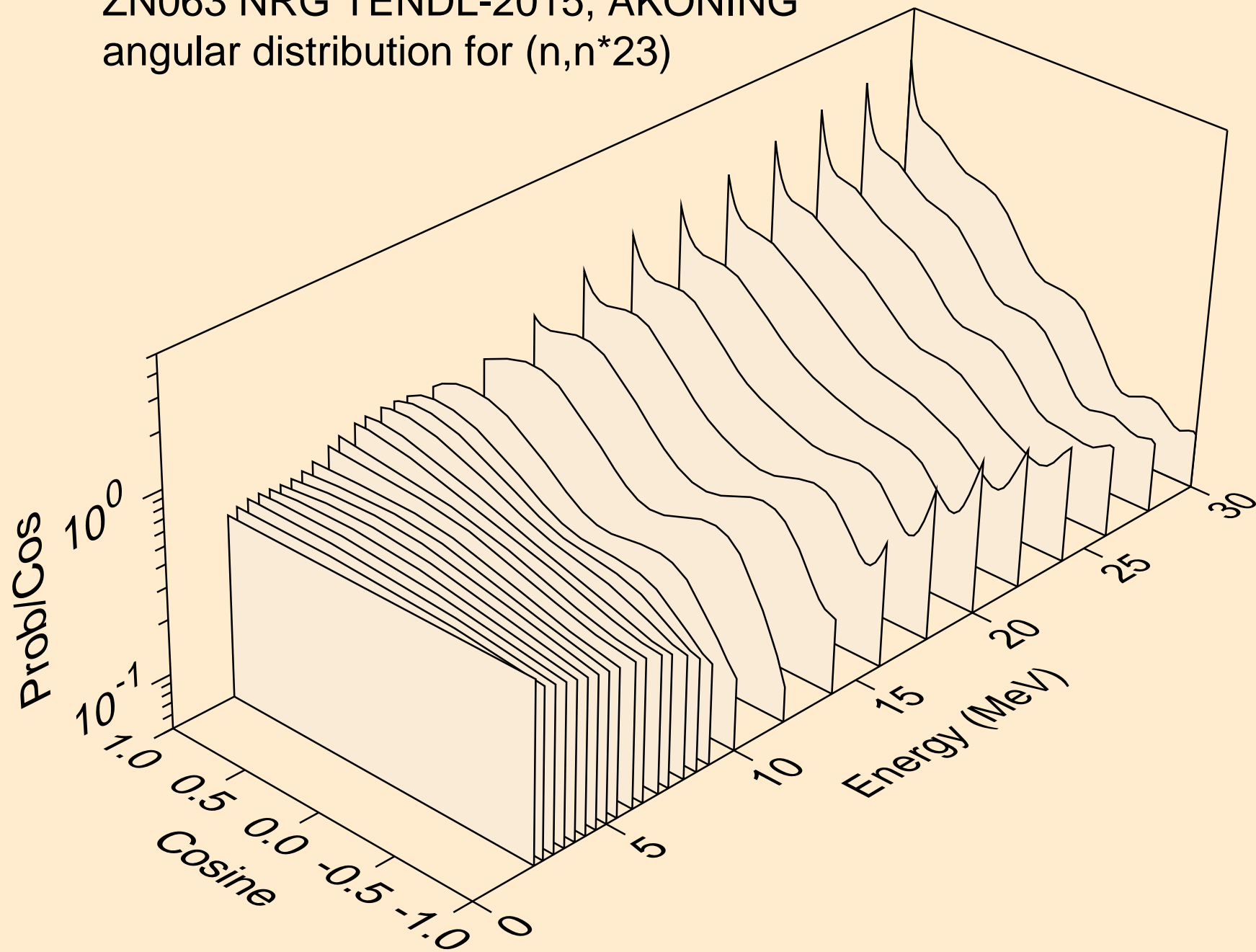
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angular distribution for (n,n\*21)



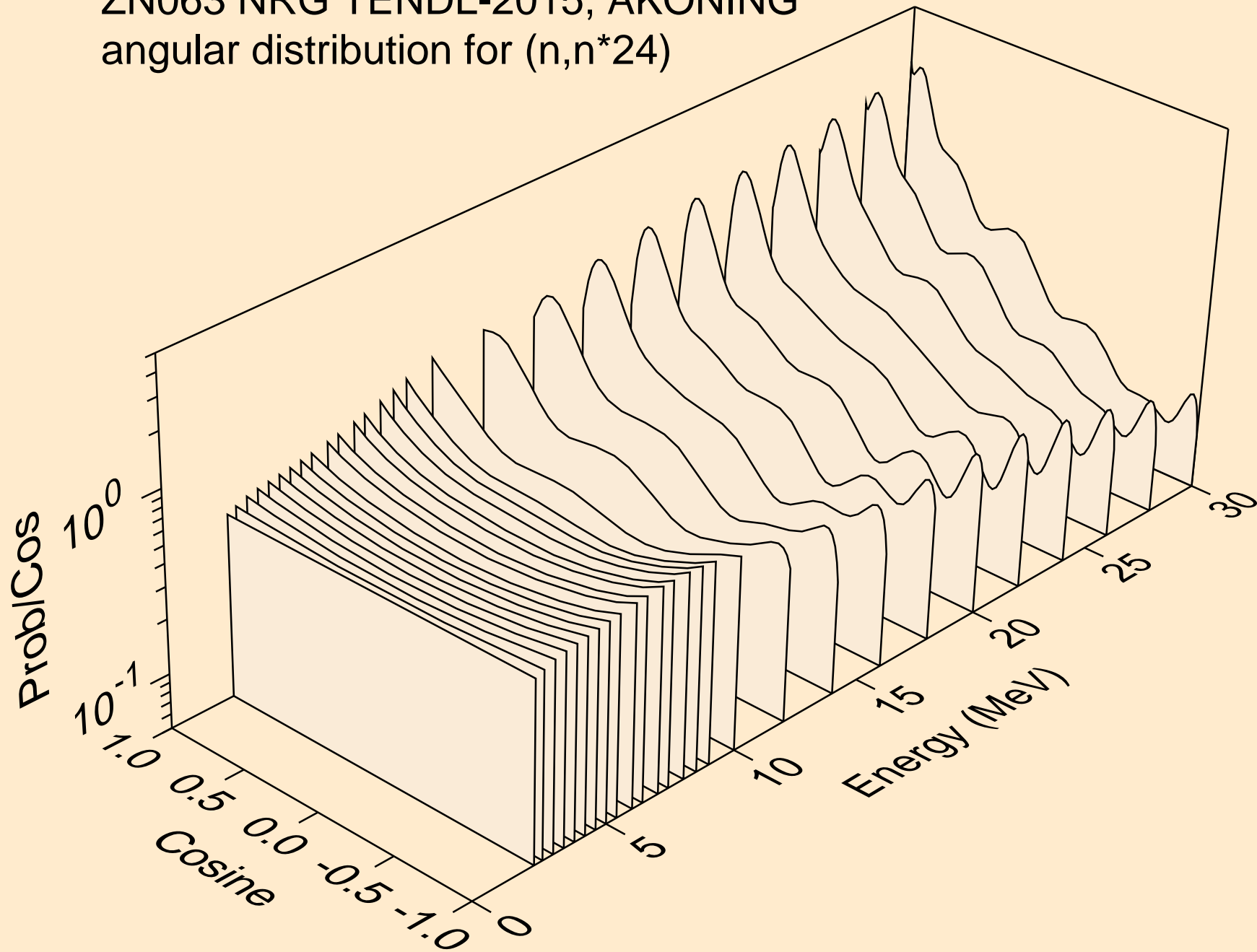
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

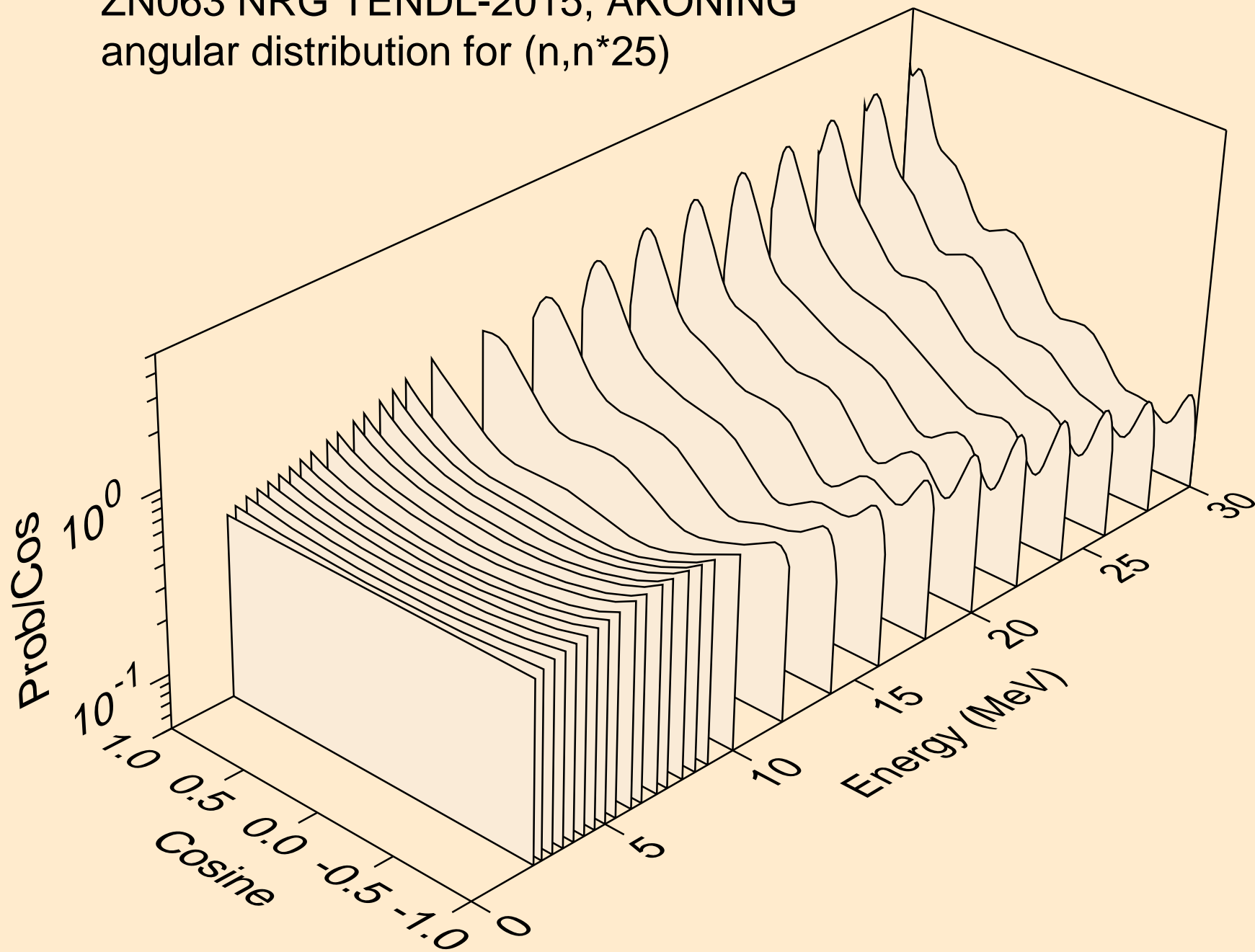


ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)

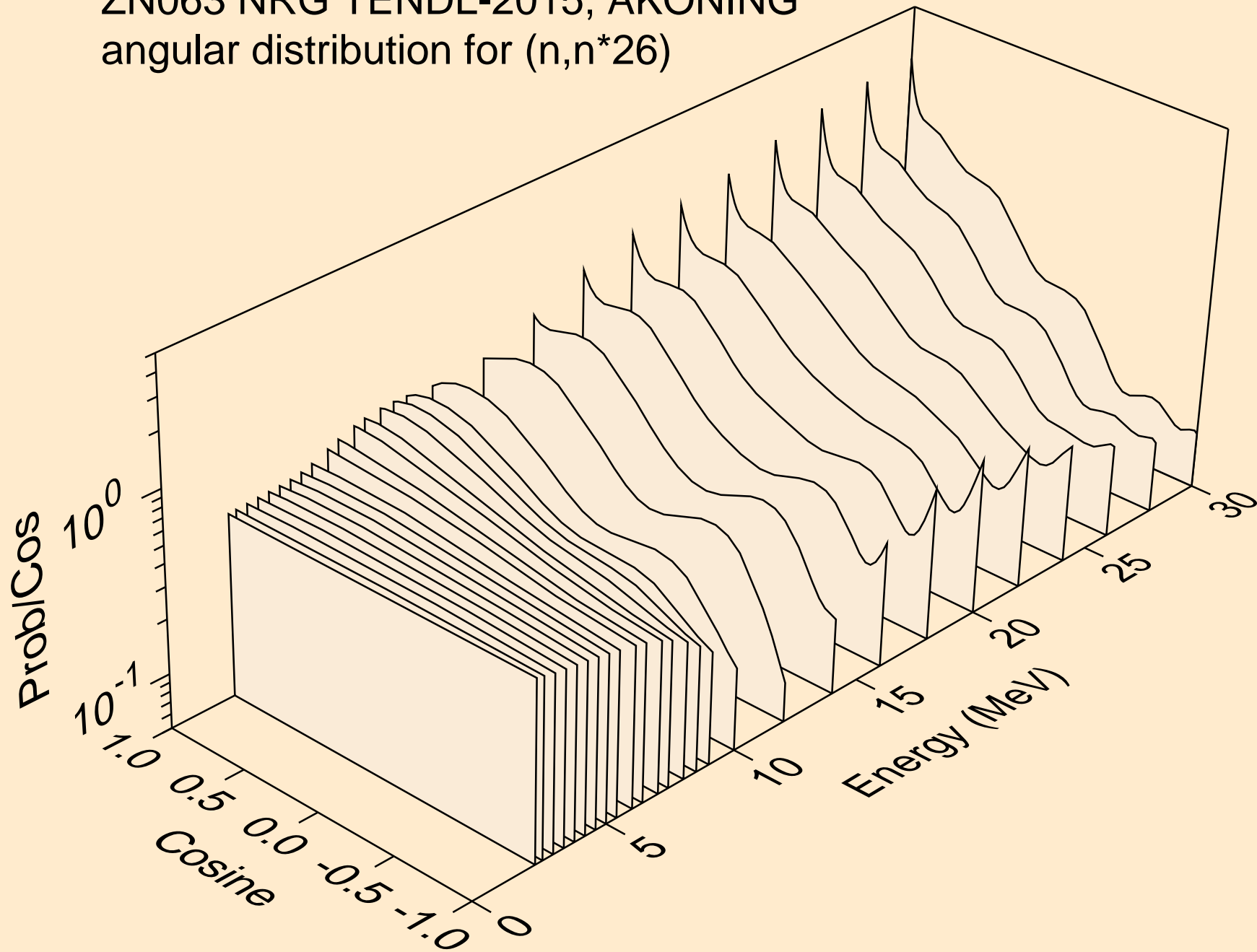




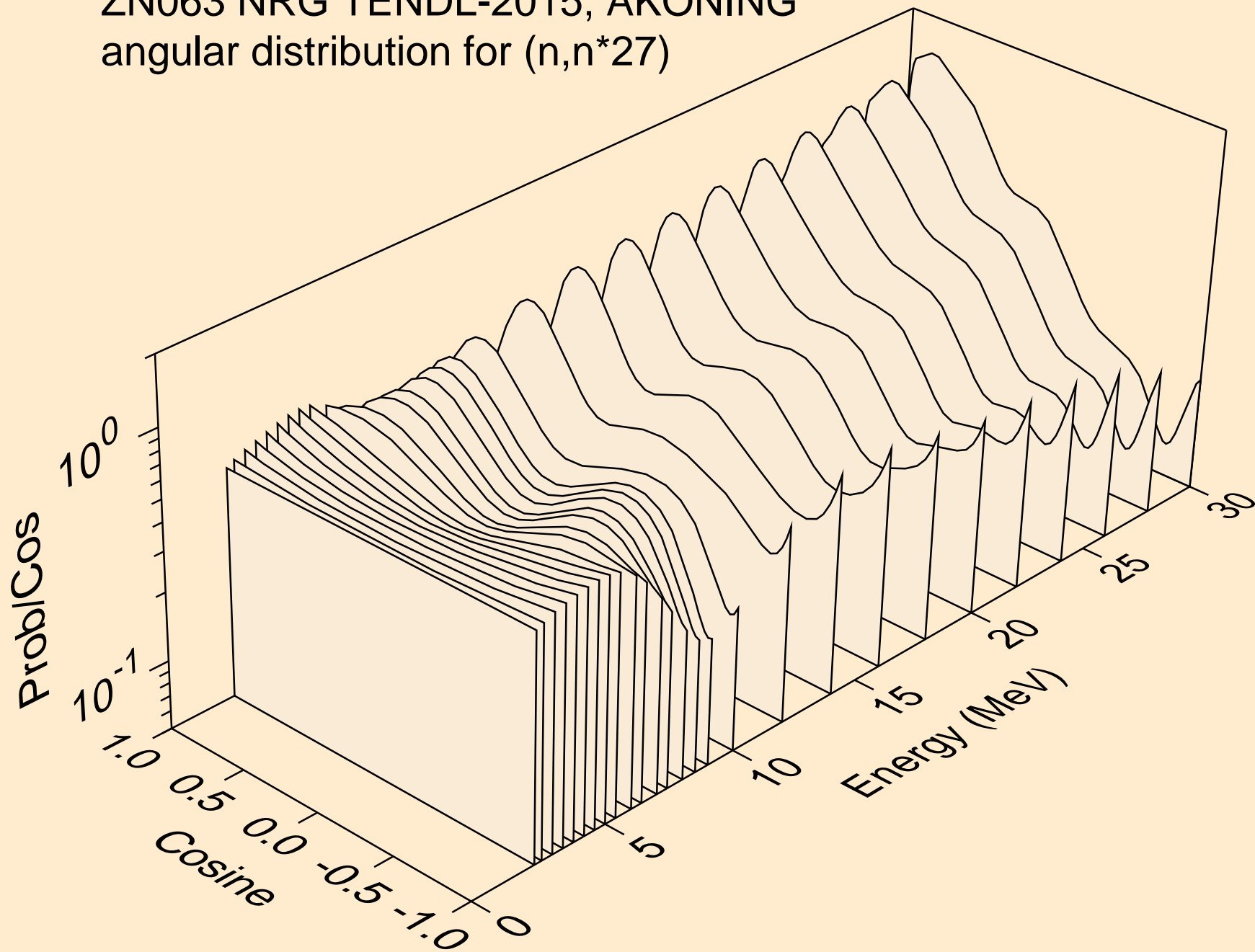
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angular distribution for (n,n\*25)



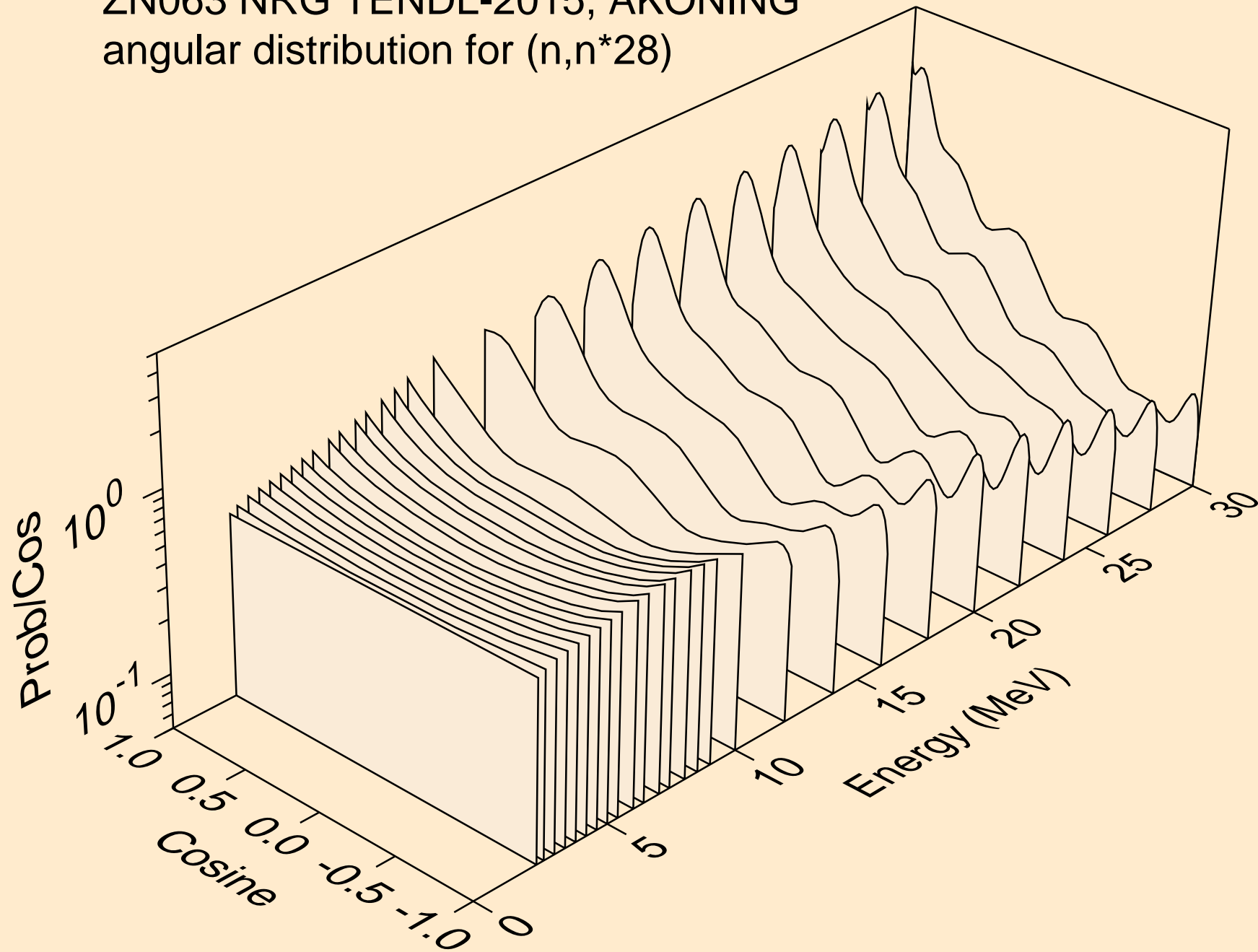
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angular distribution for (n,n\*26)



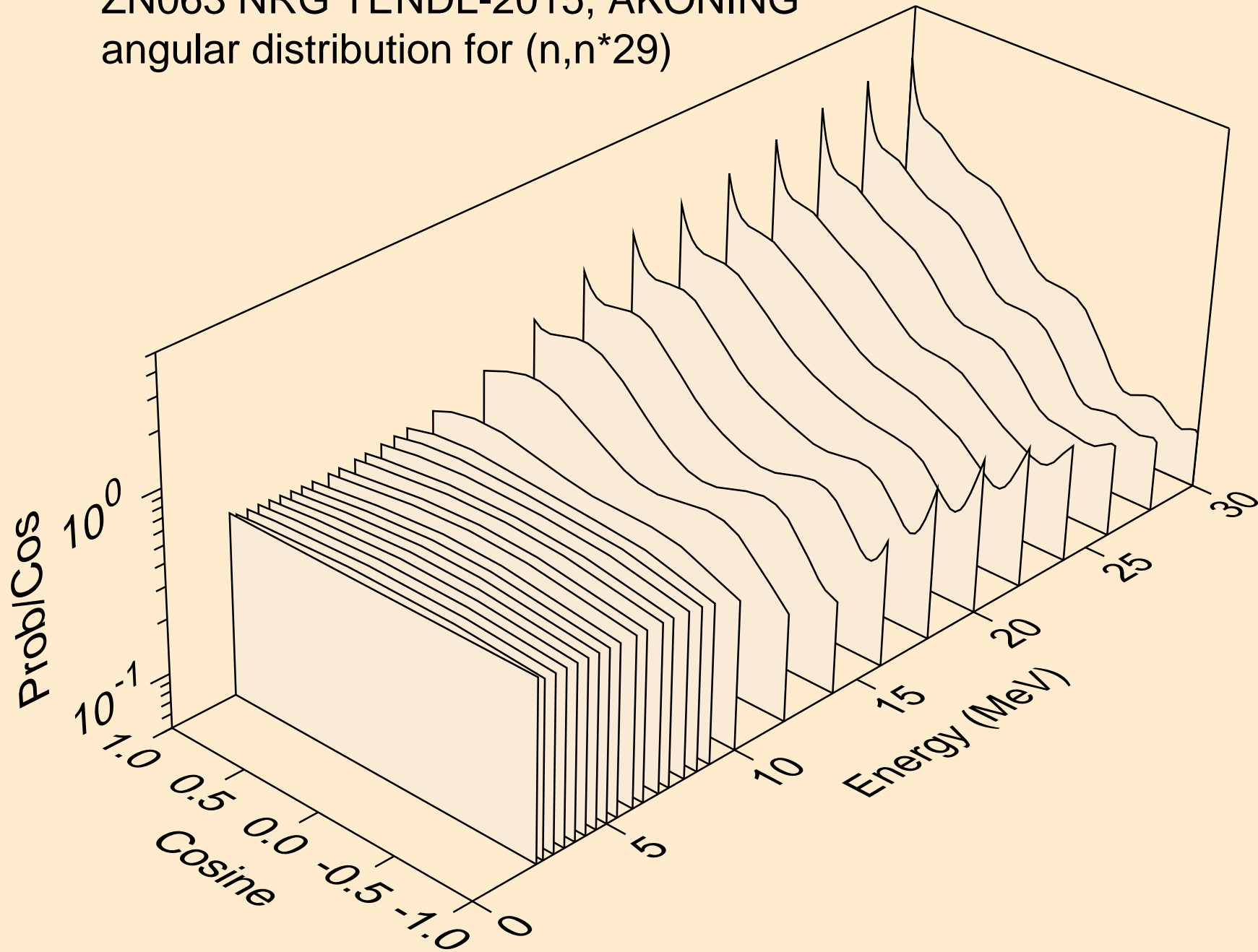
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



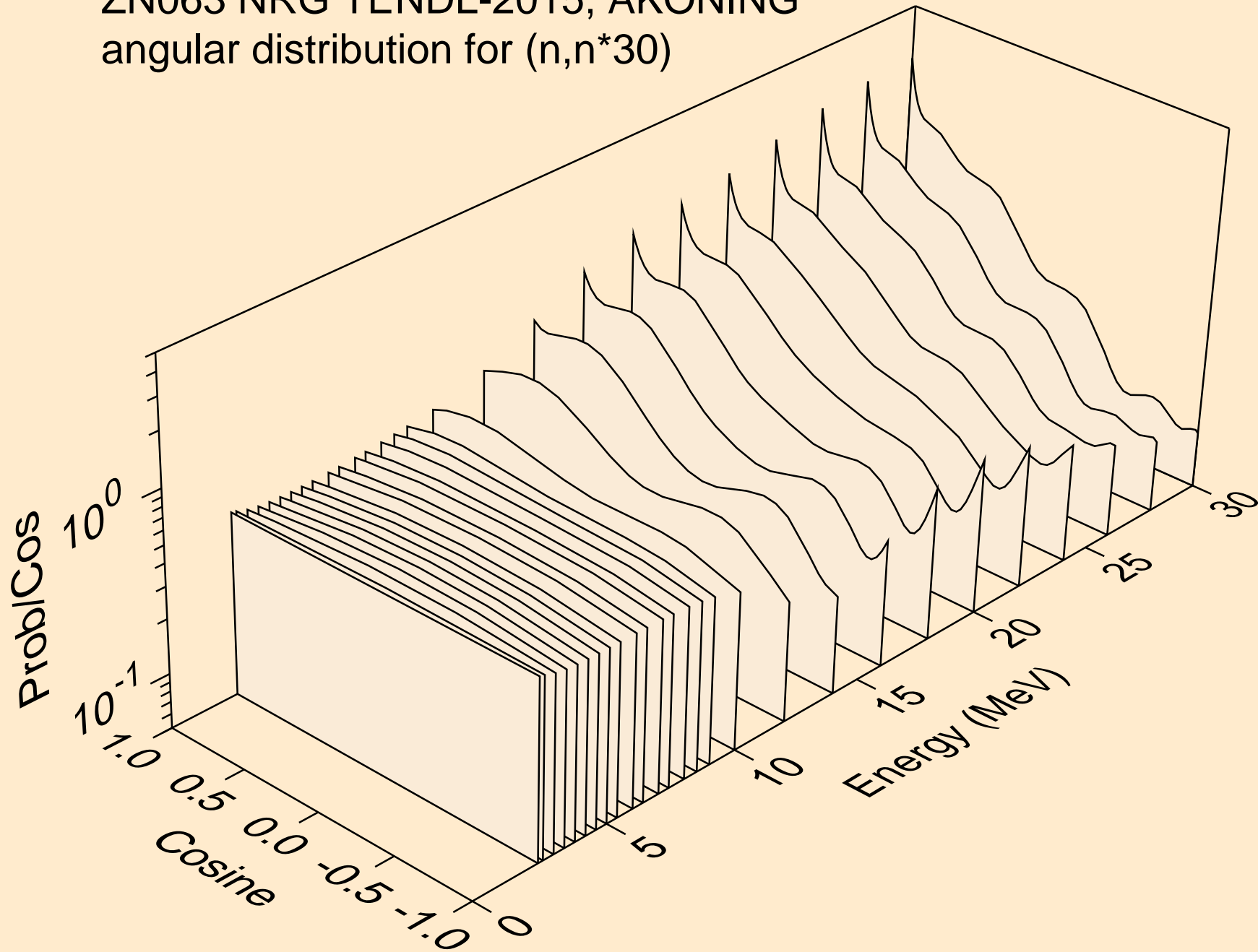
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



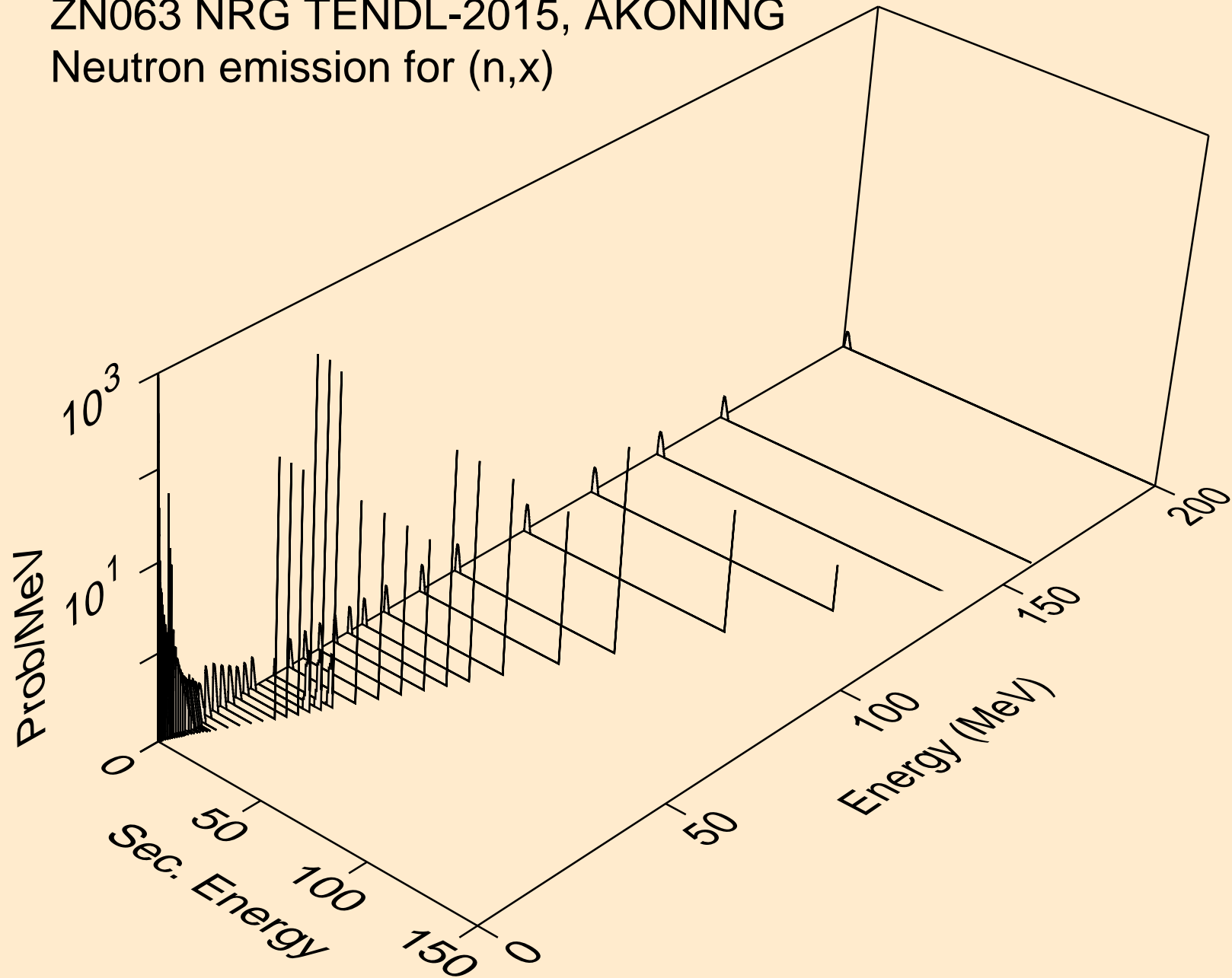
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angular distribution for (n,n\*29)



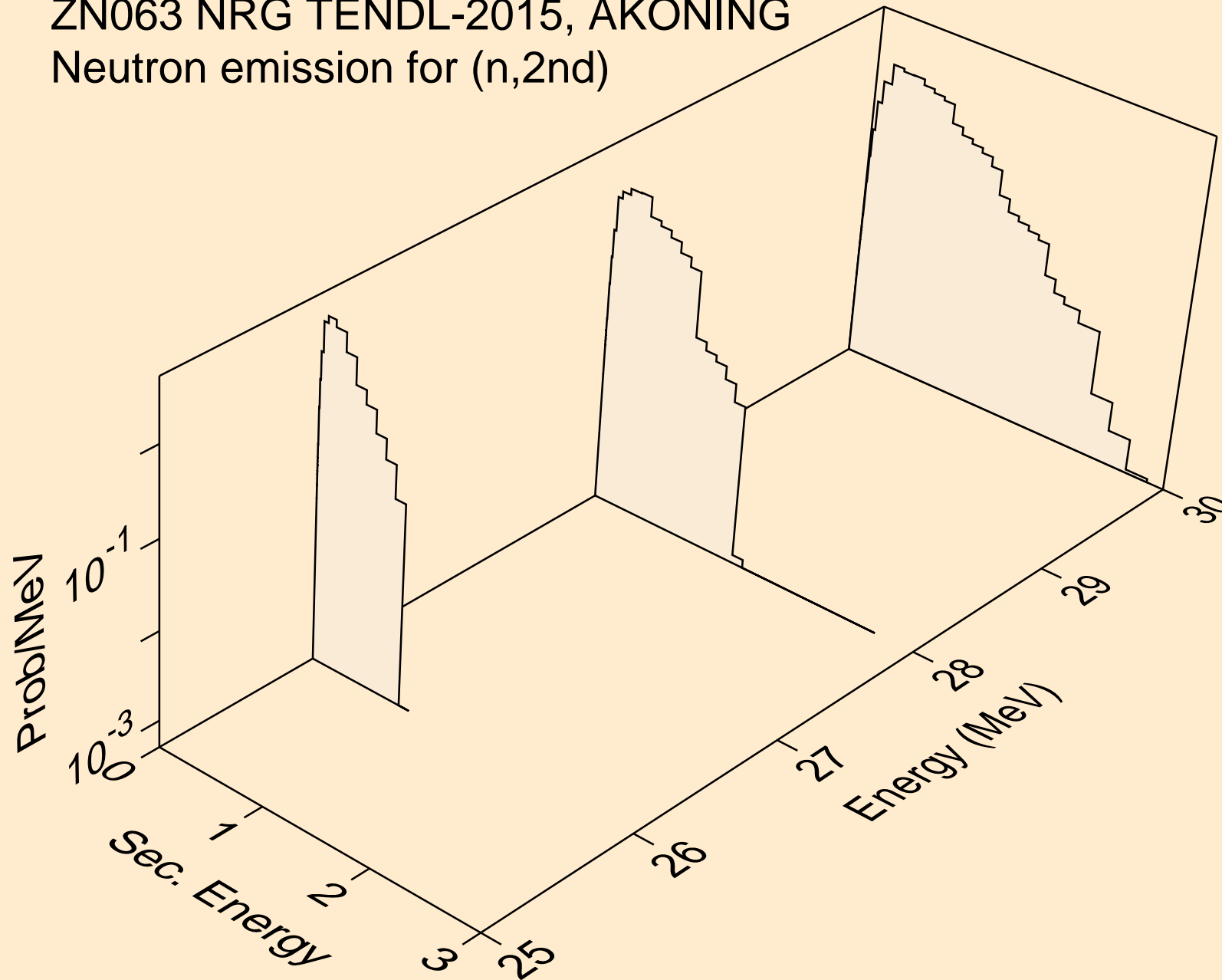
ZN063 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

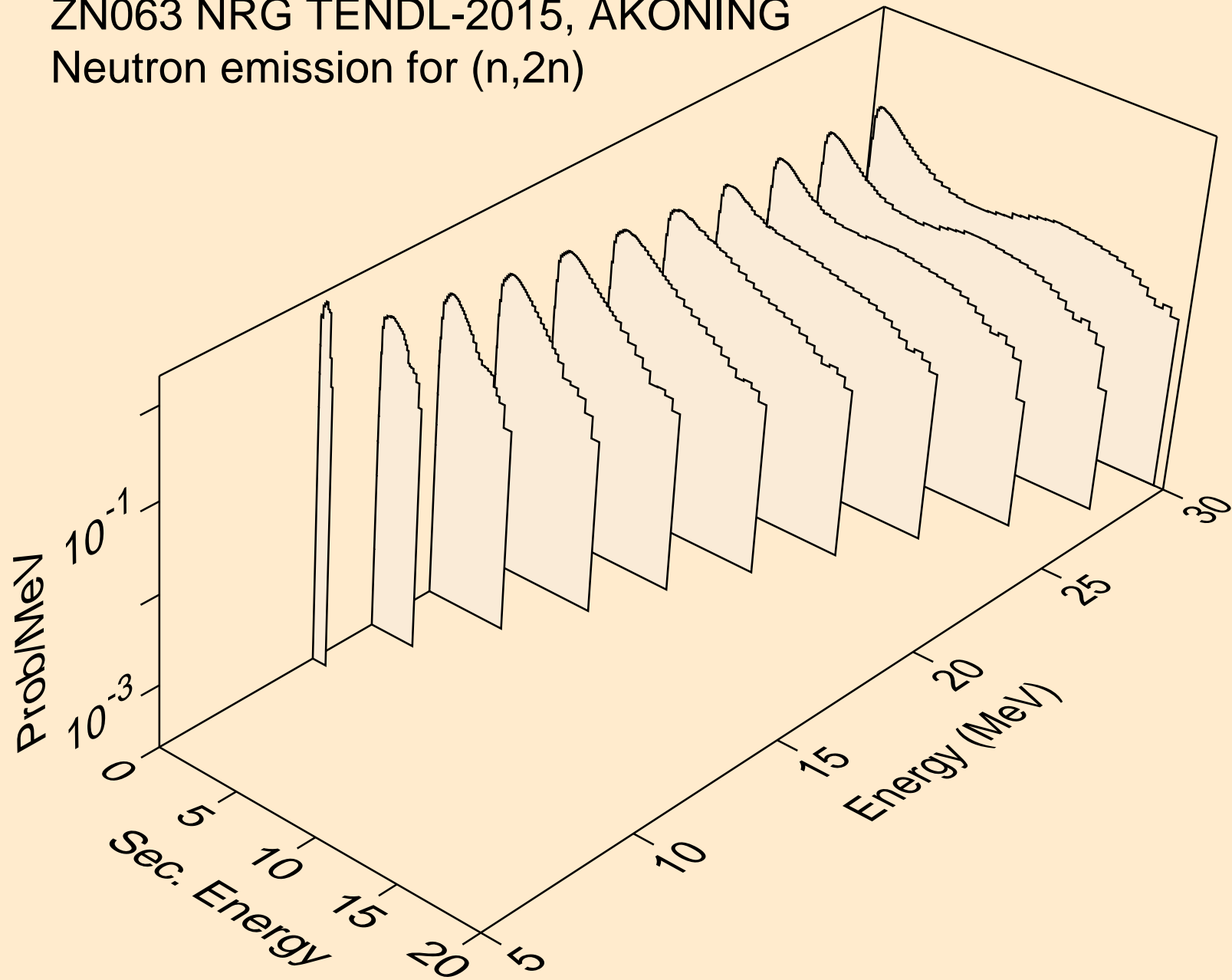


ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

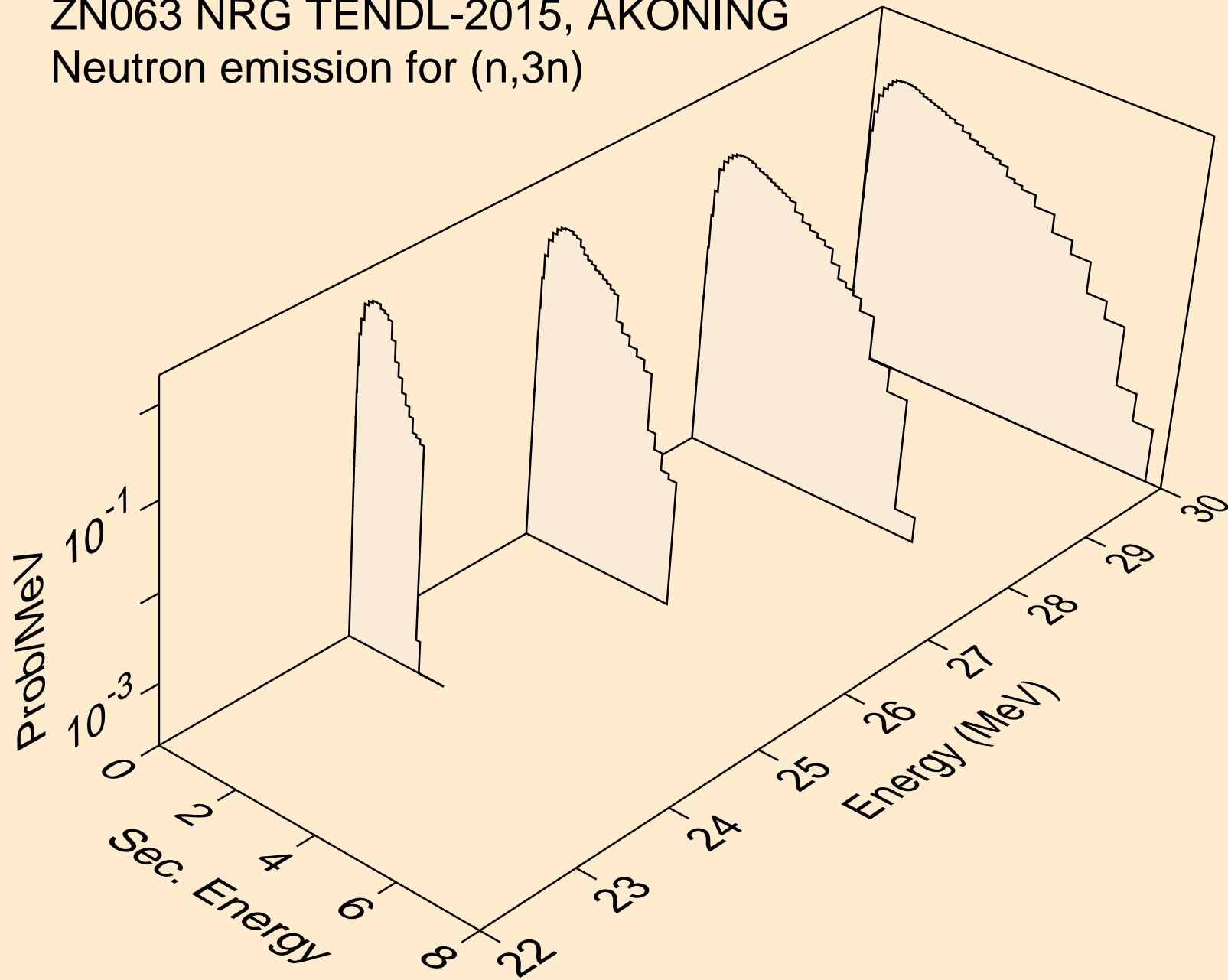




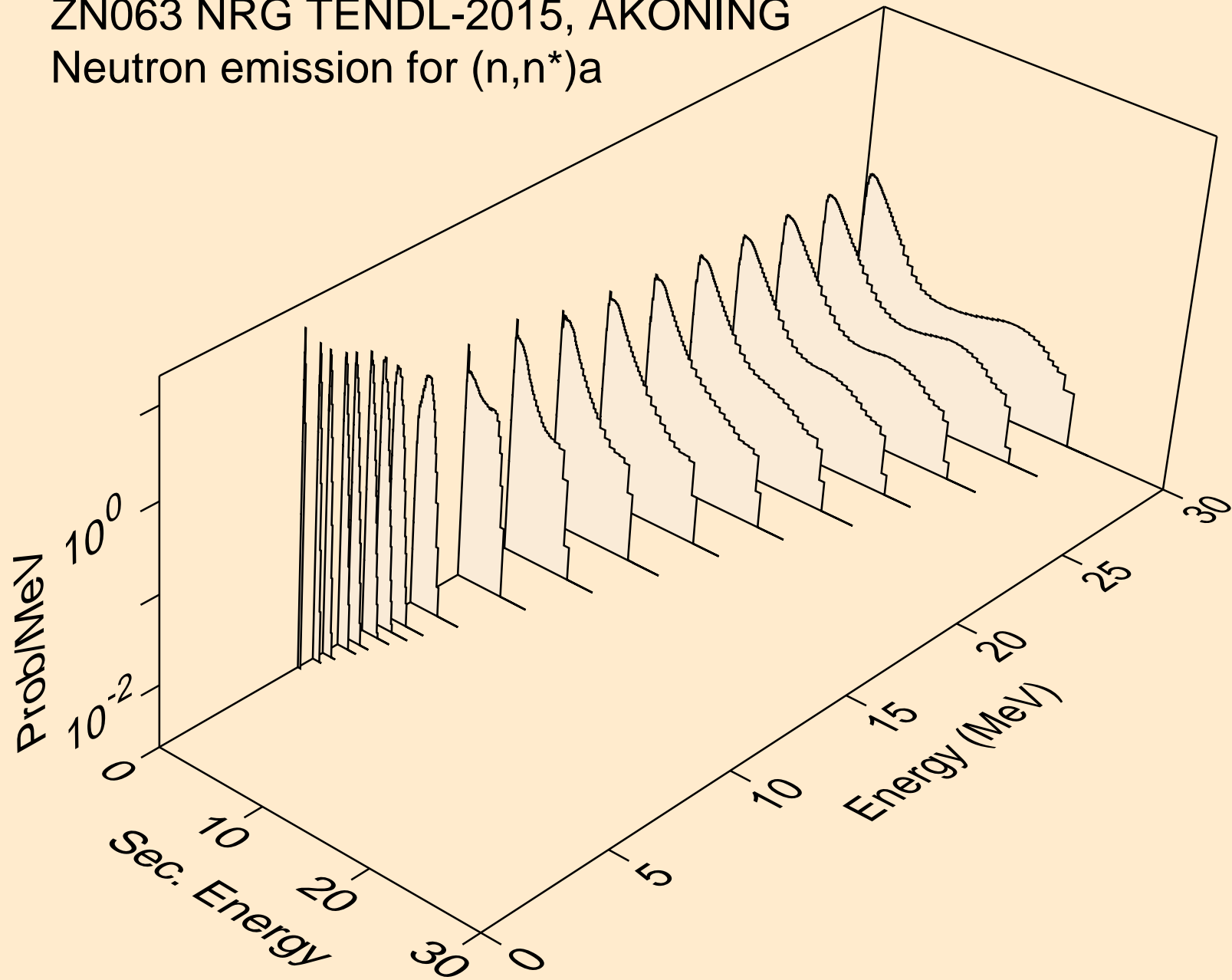
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



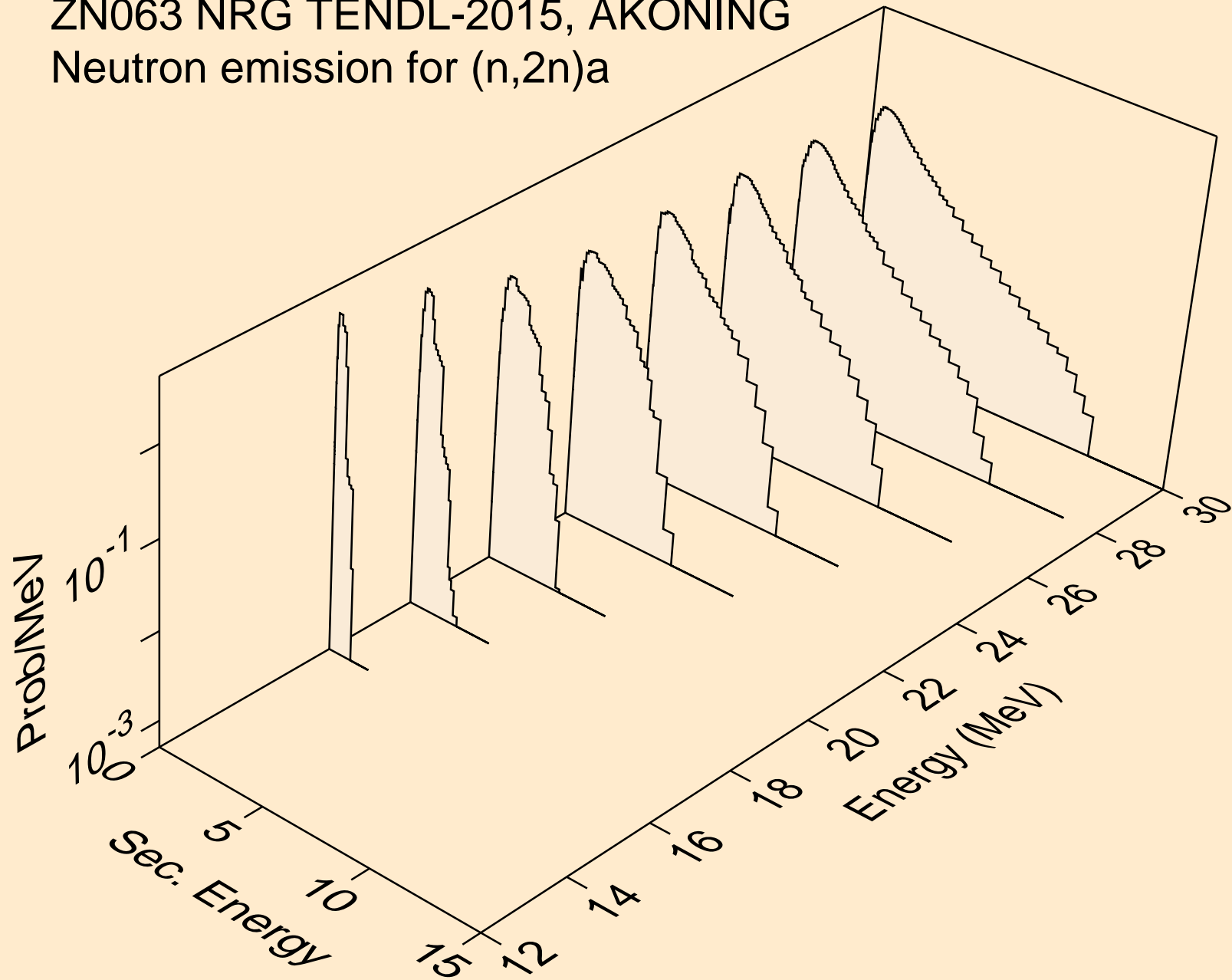
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



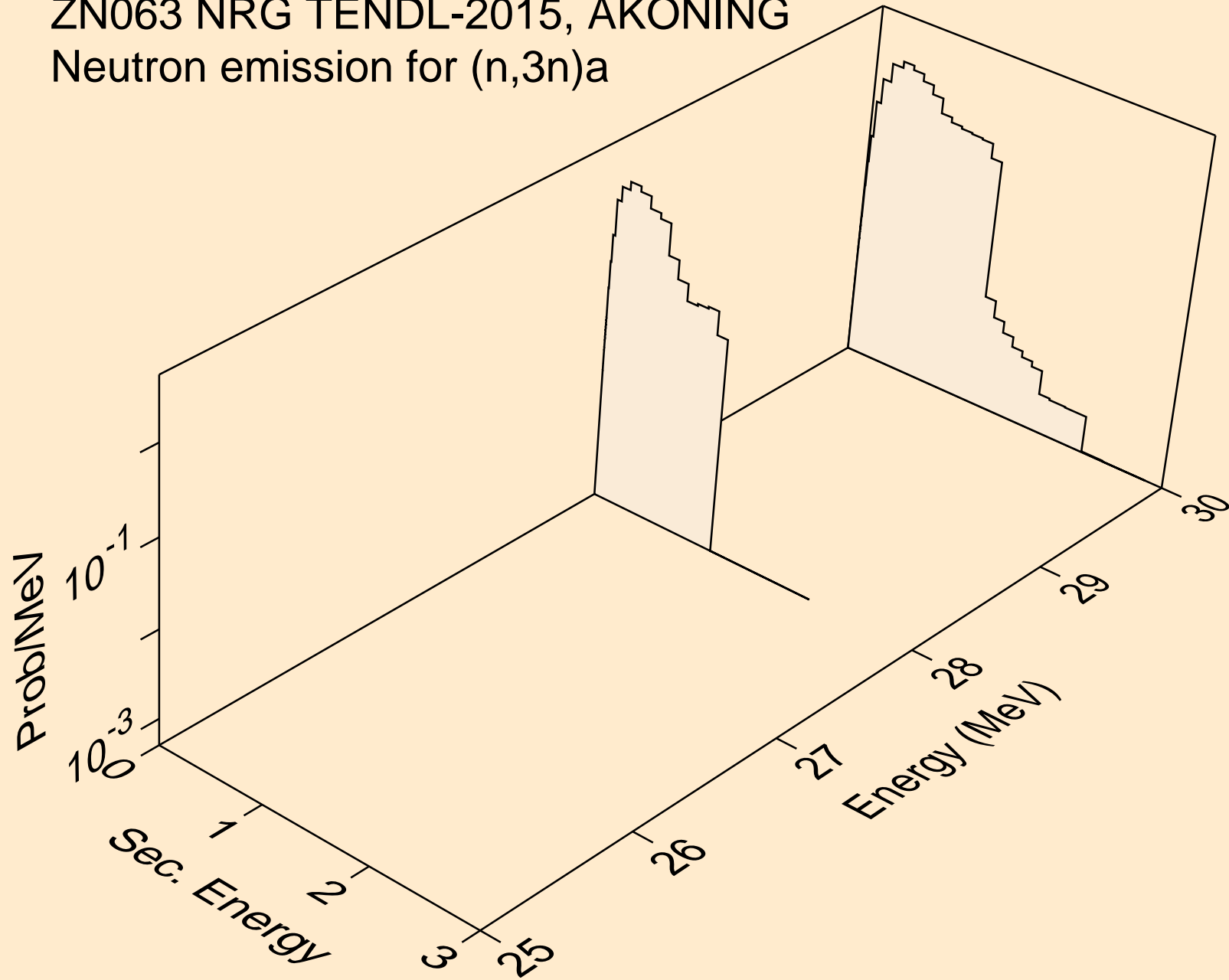
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



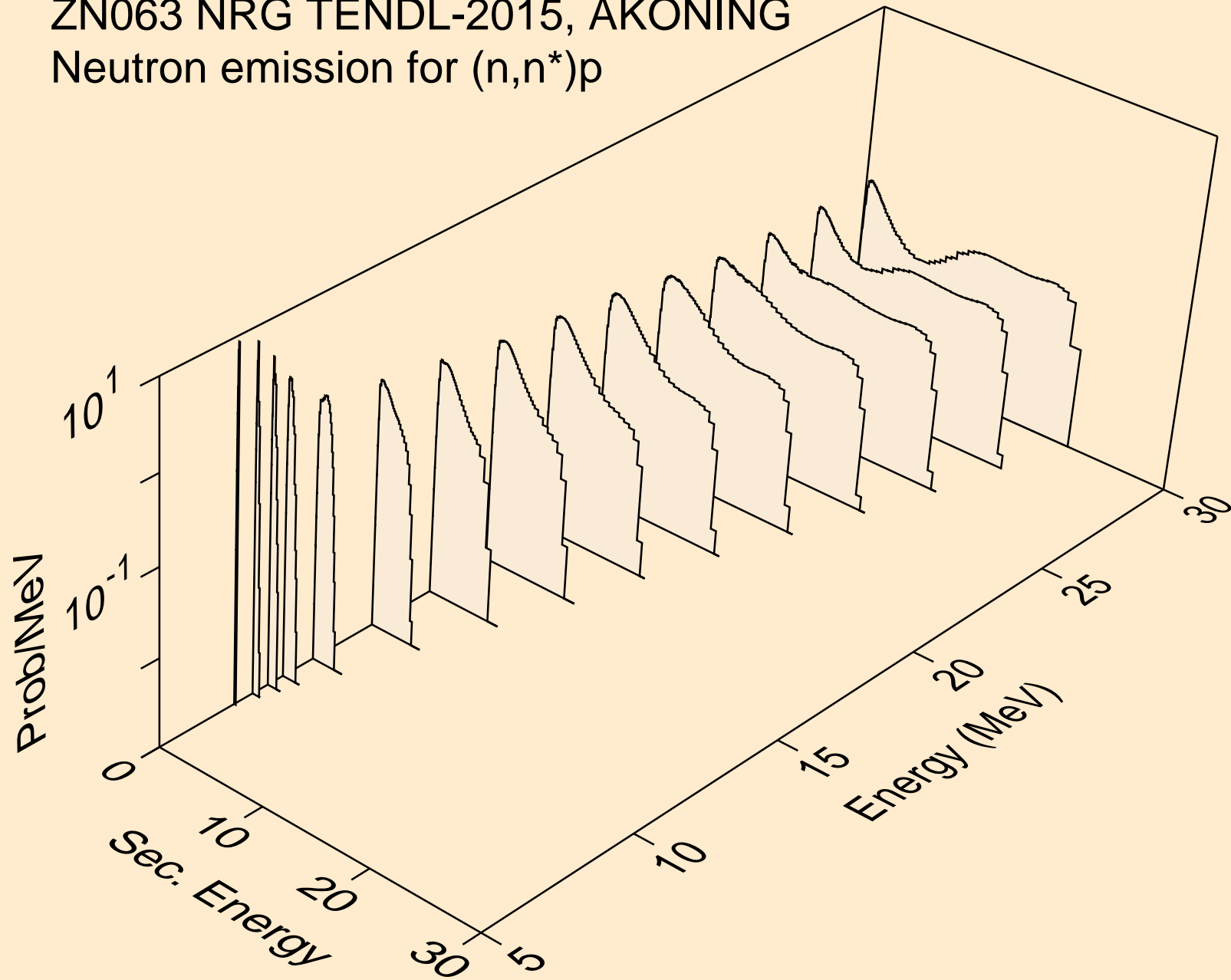
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



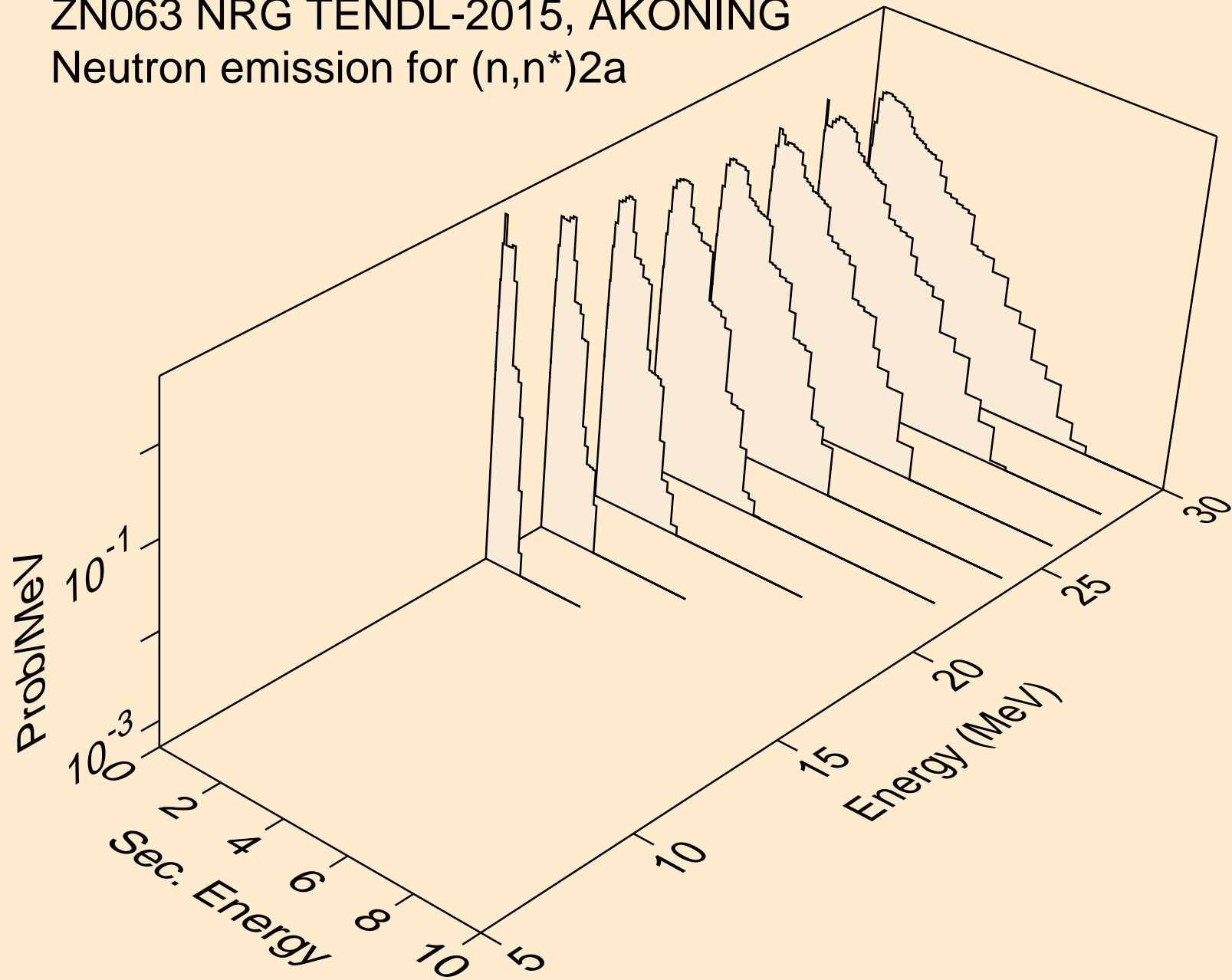
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



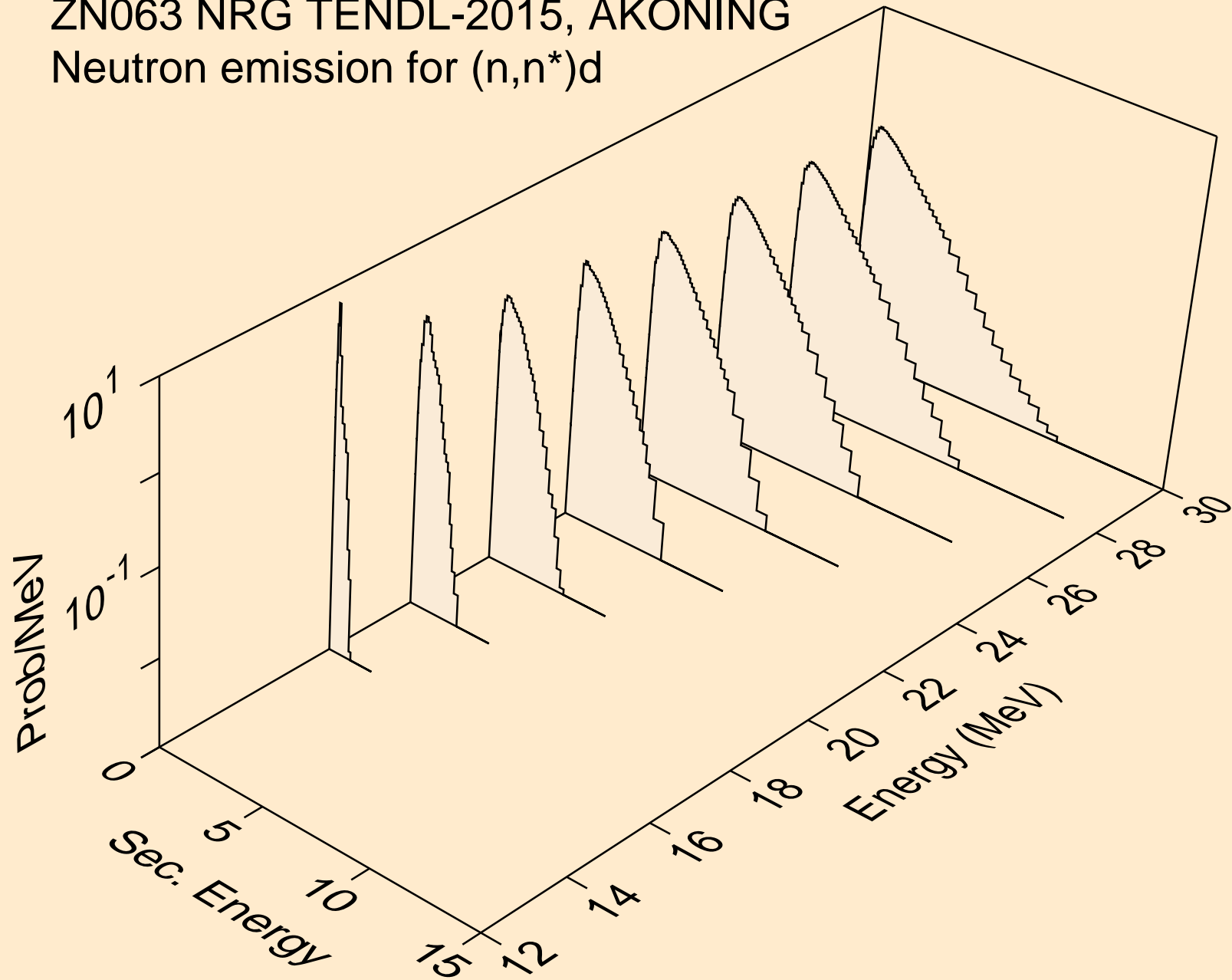
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

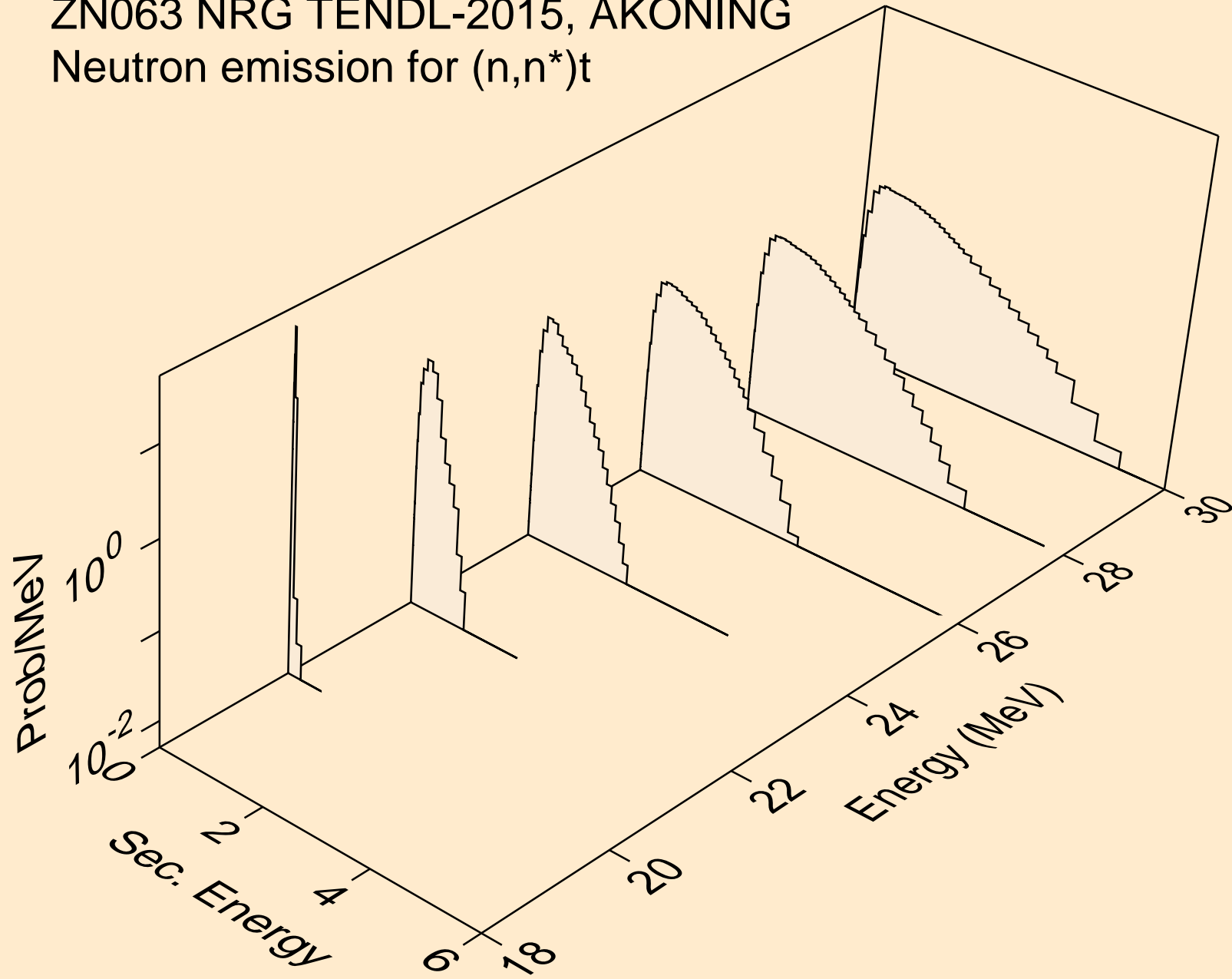


ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

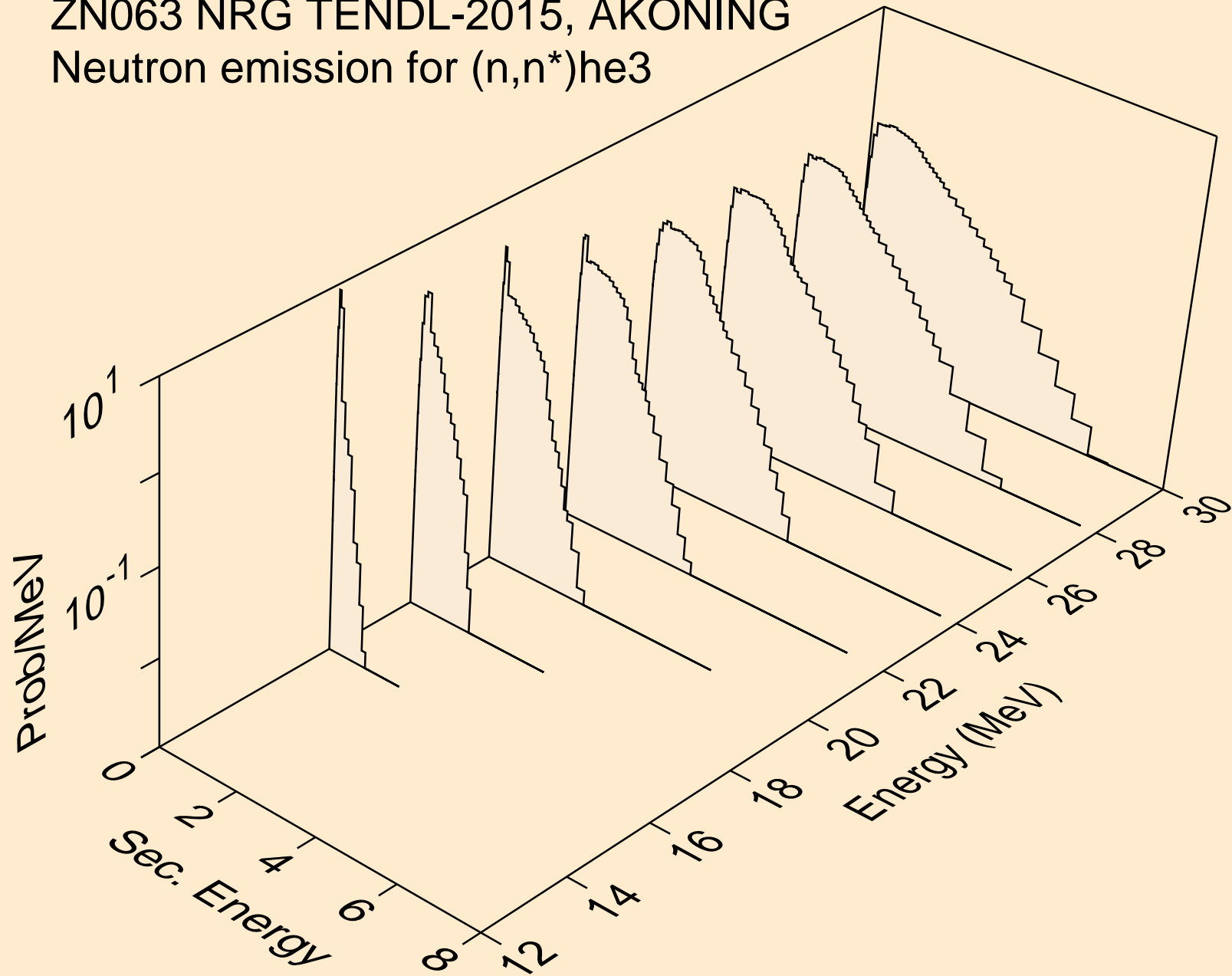




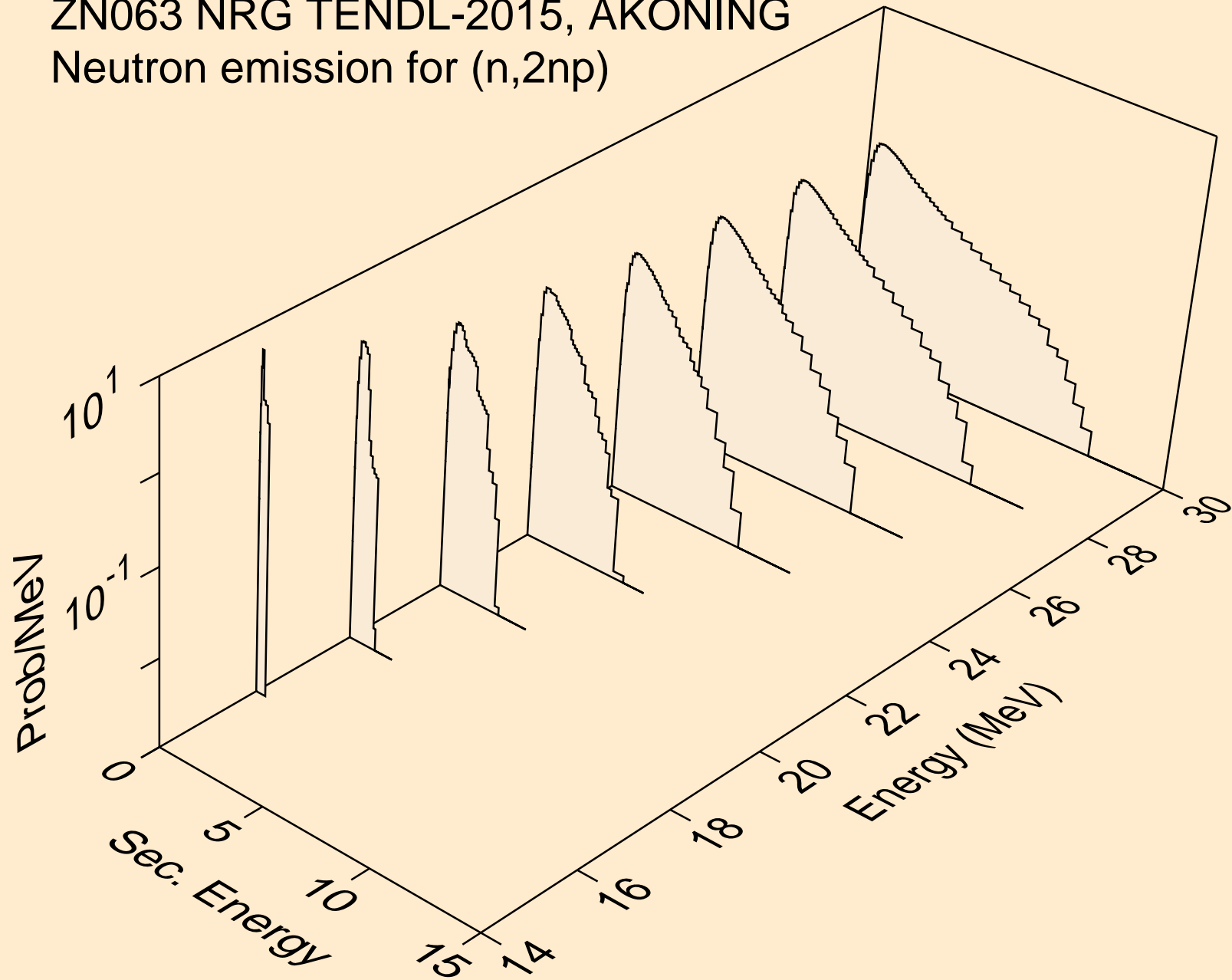
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



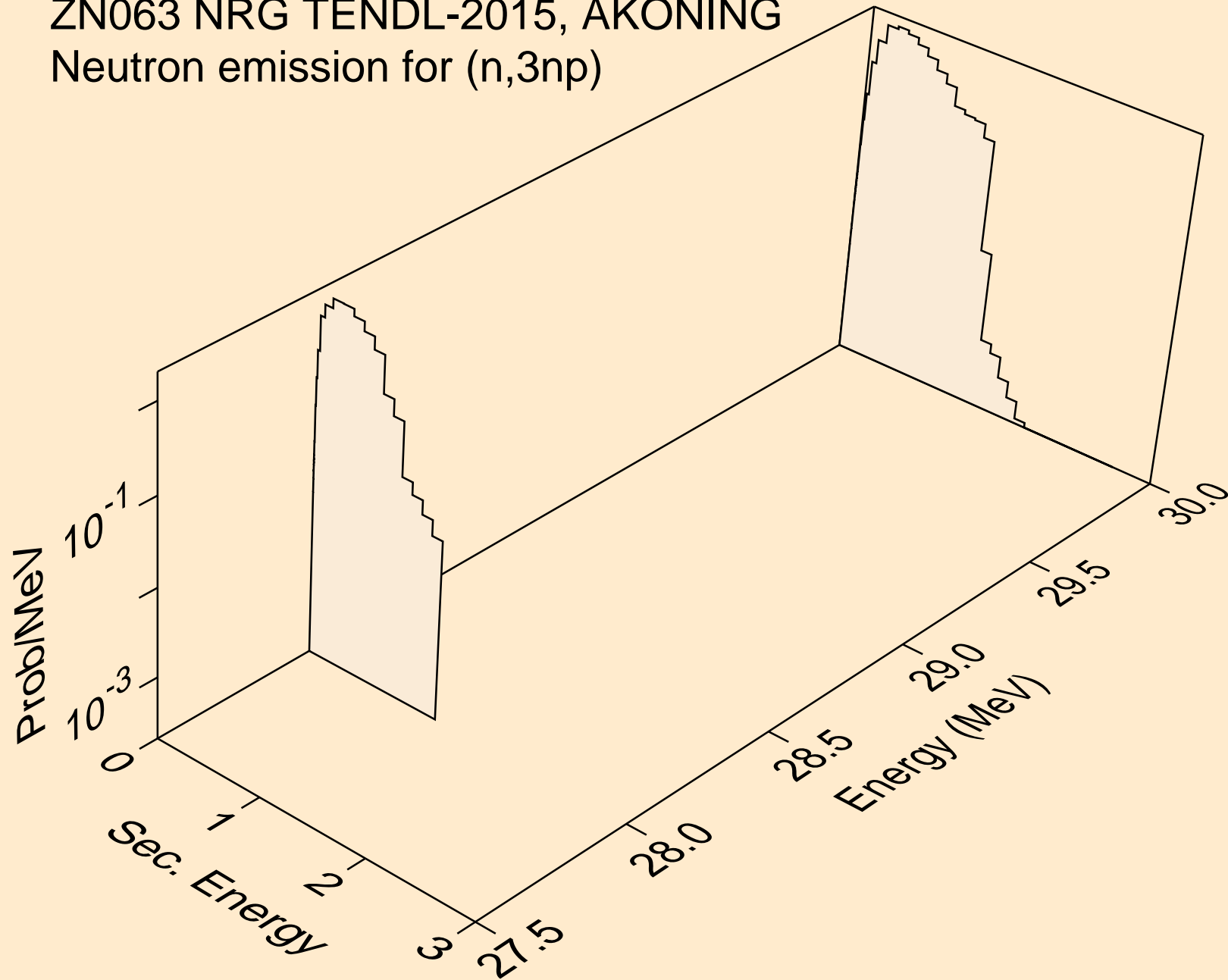
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



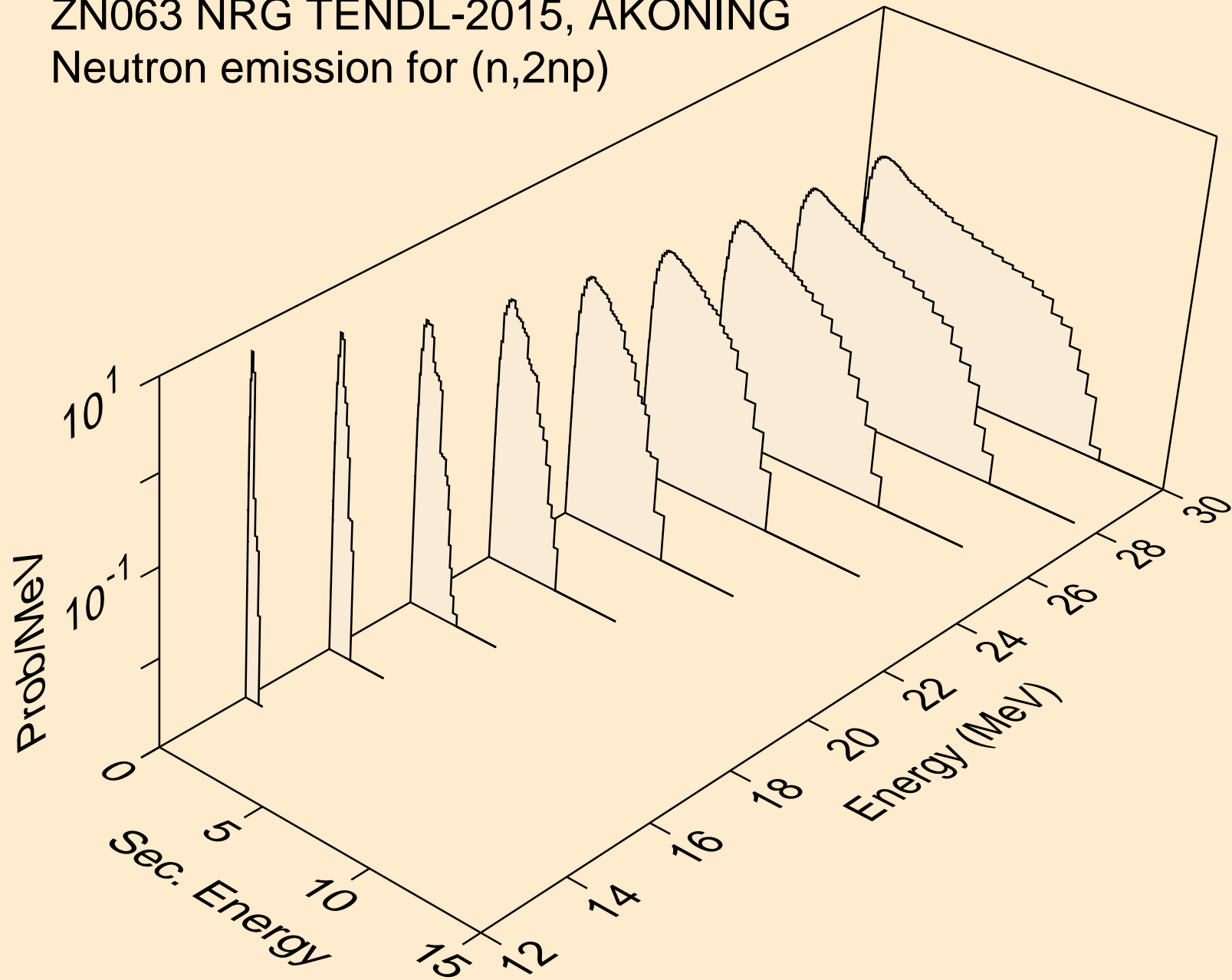
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



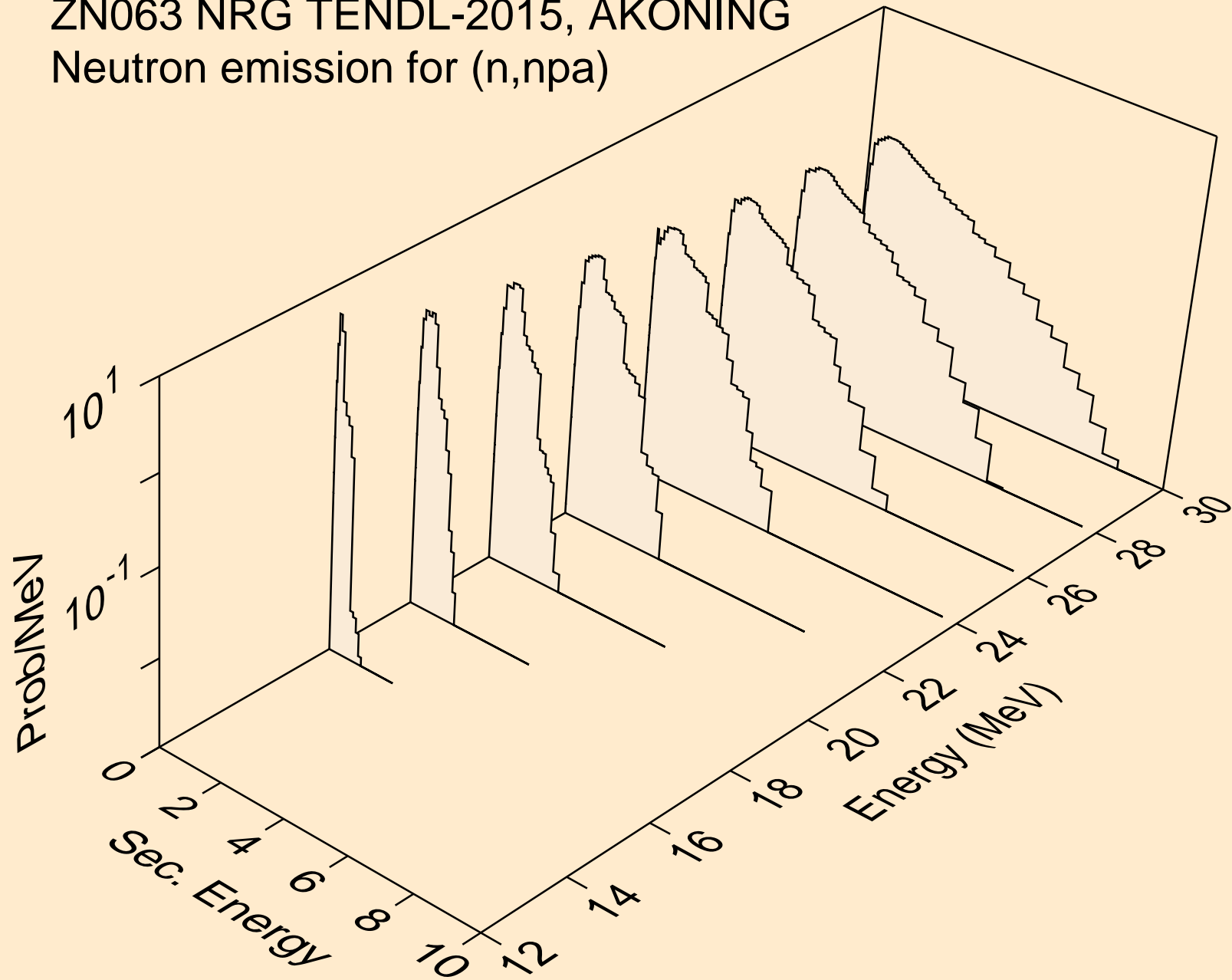
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



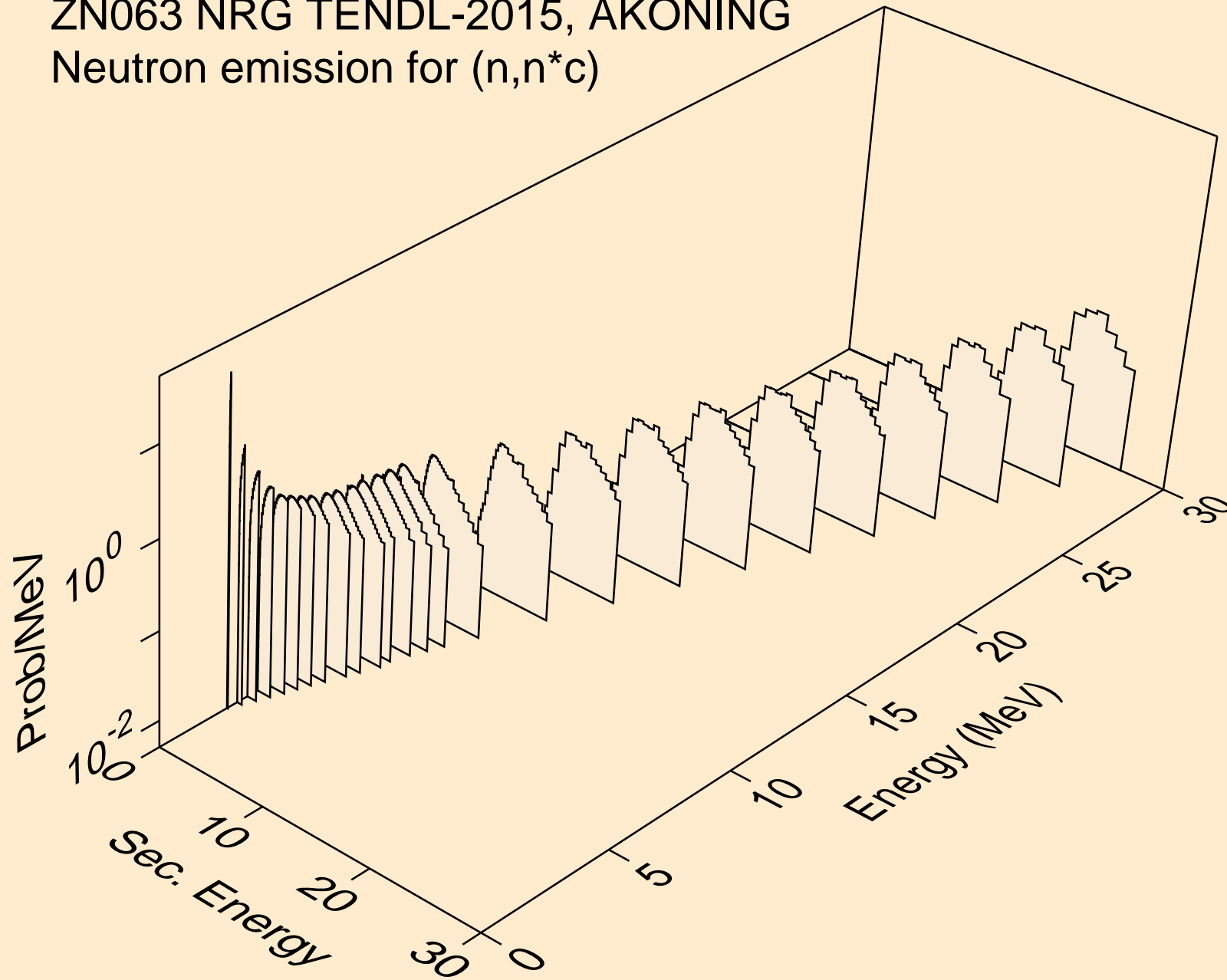
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



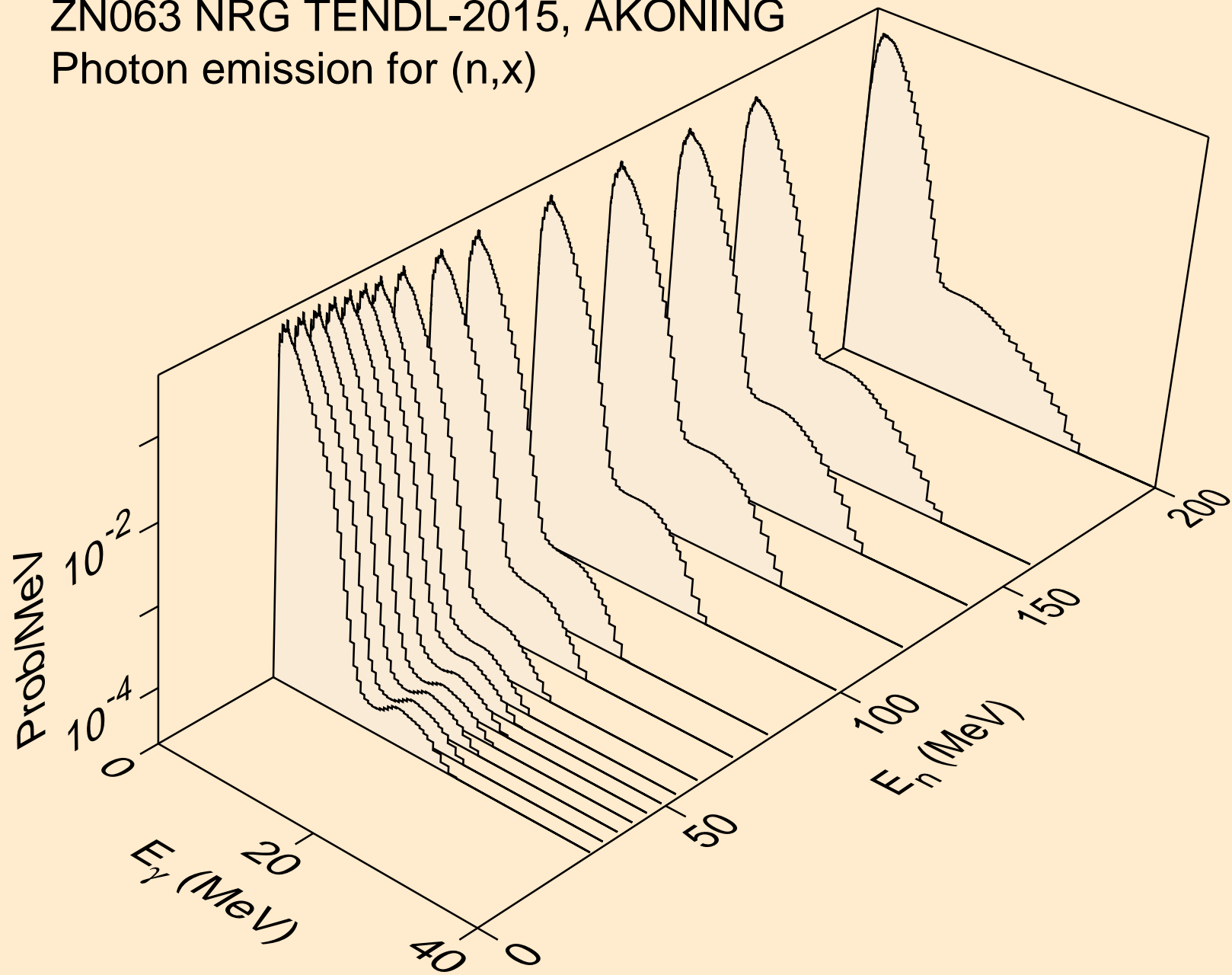
ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



ZN063 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

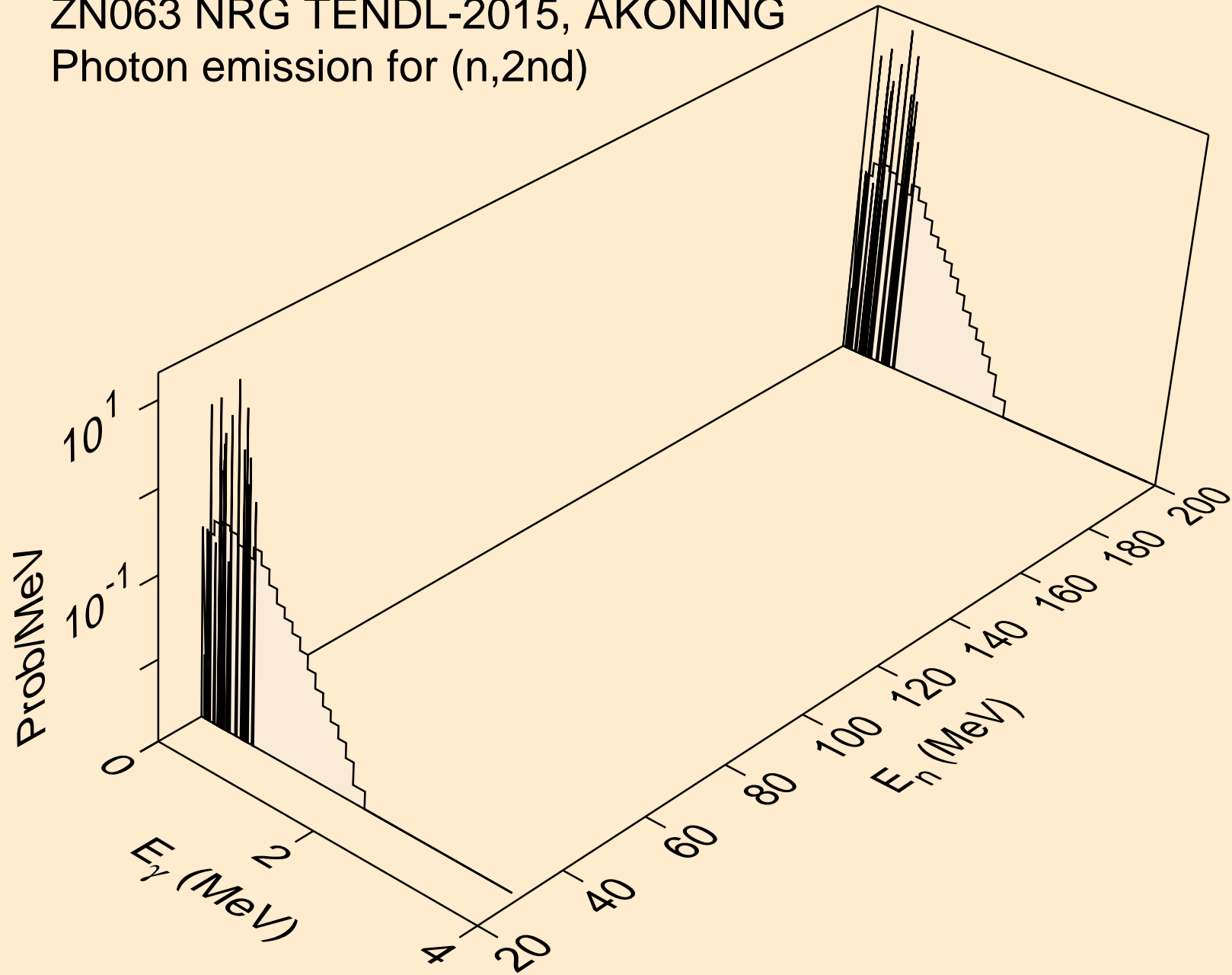


ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

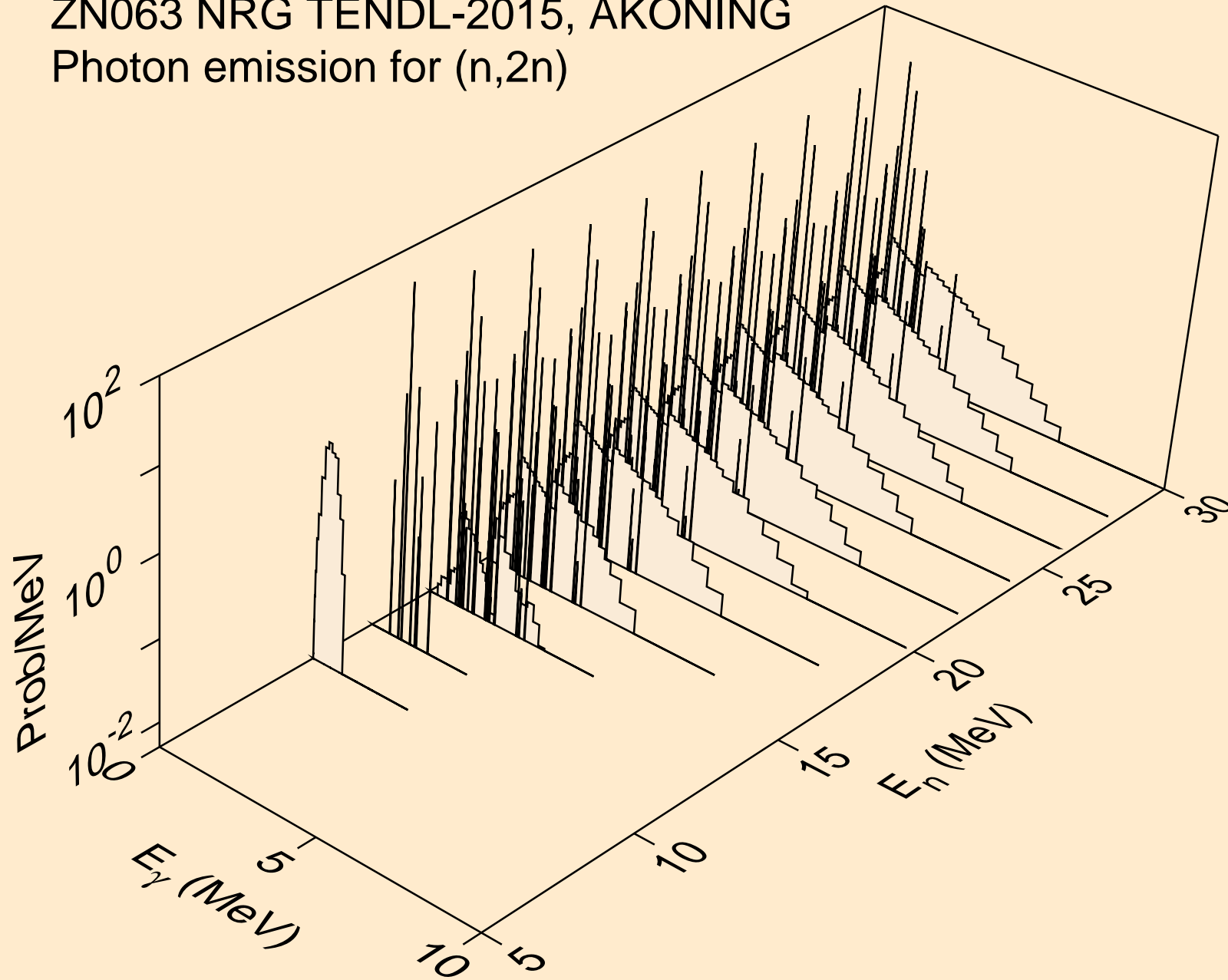




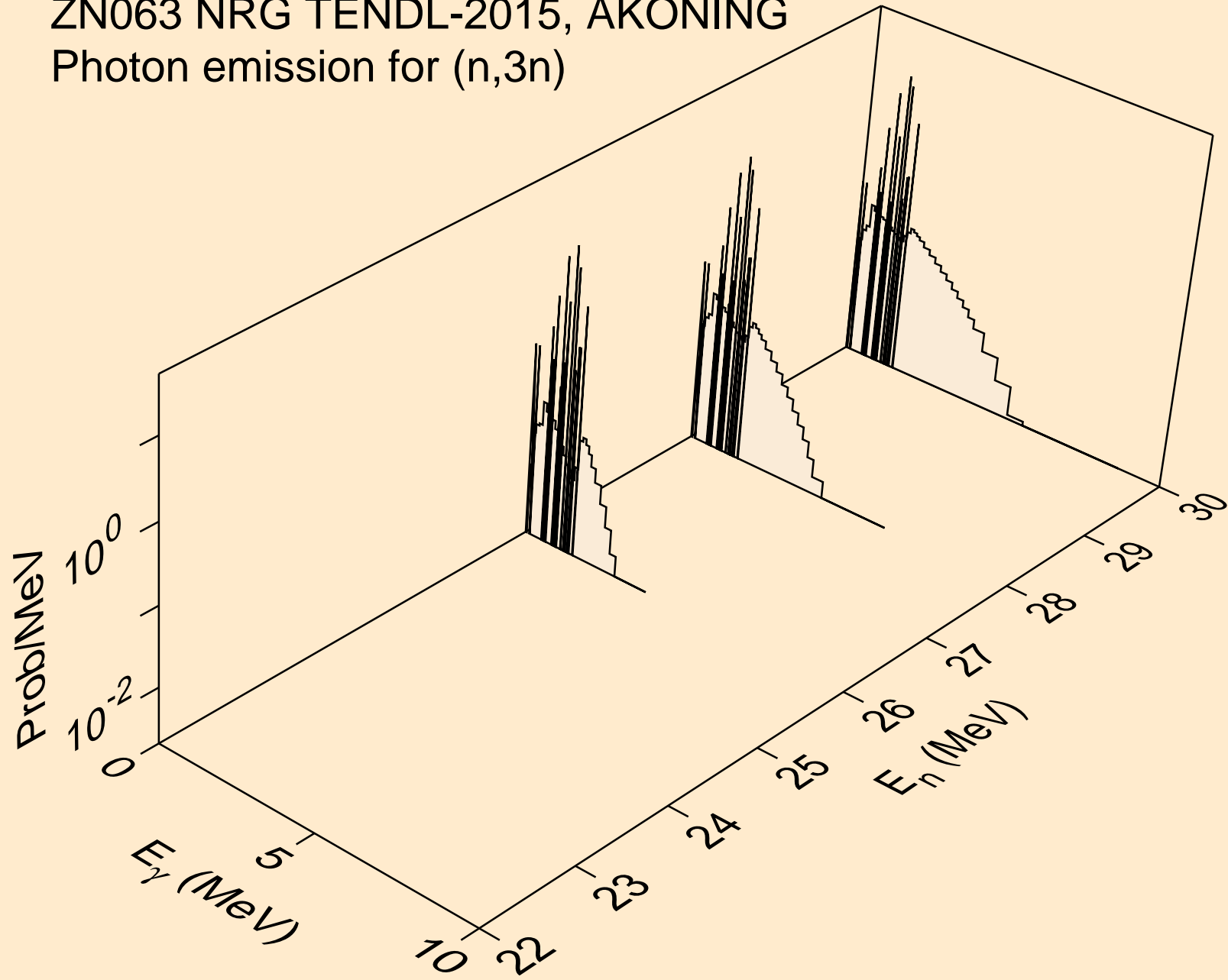
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



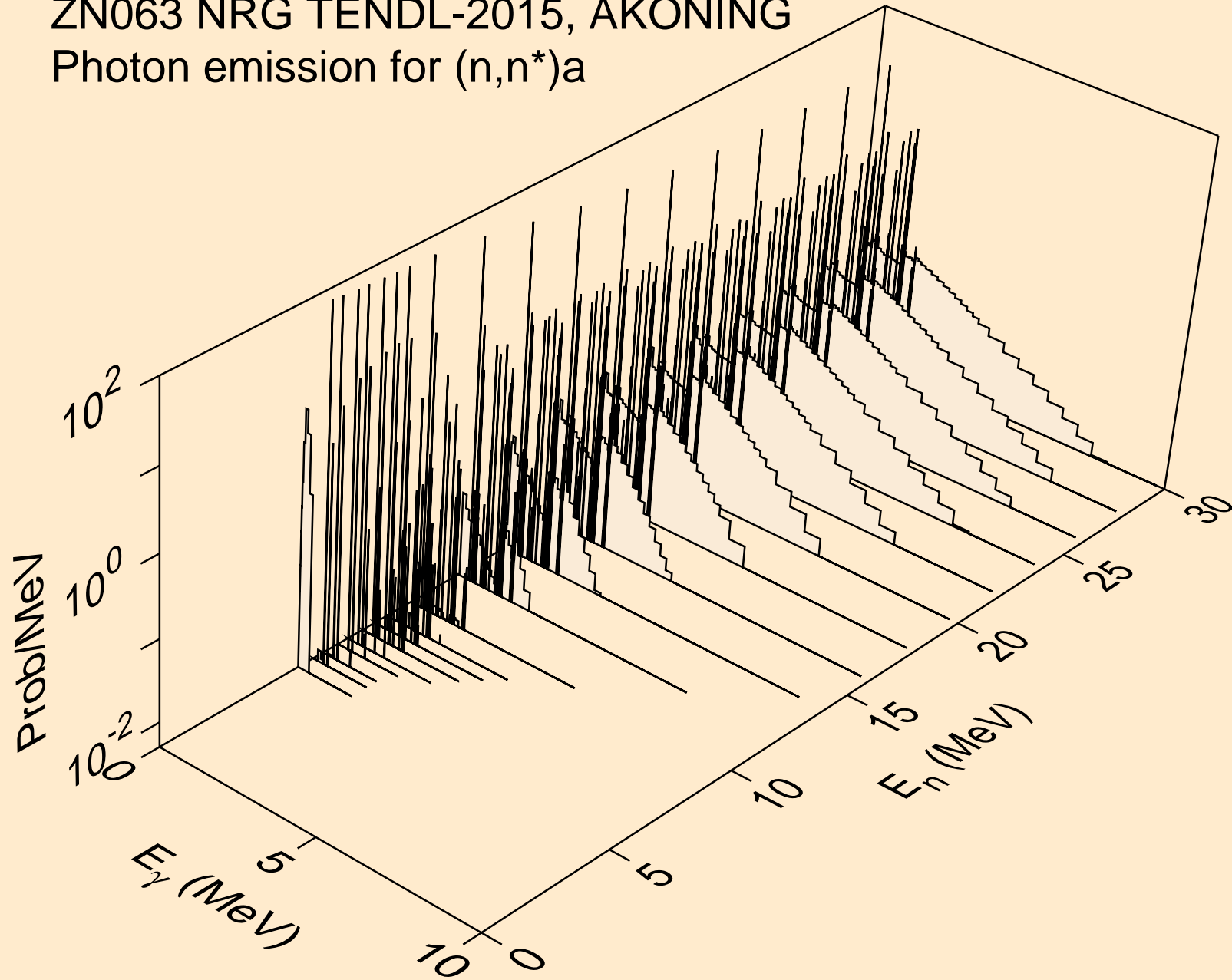
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



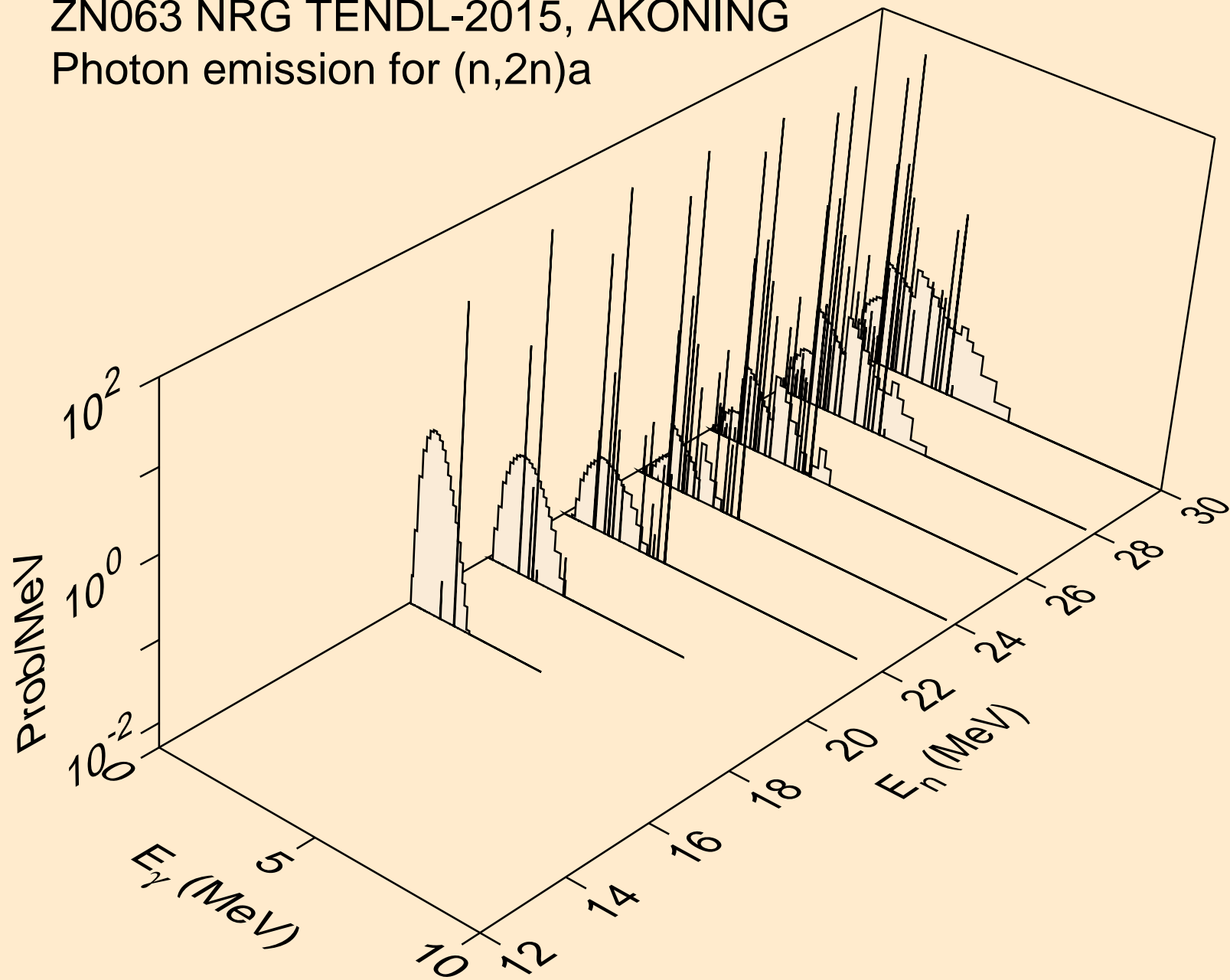
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Photon emission for (n,3n)



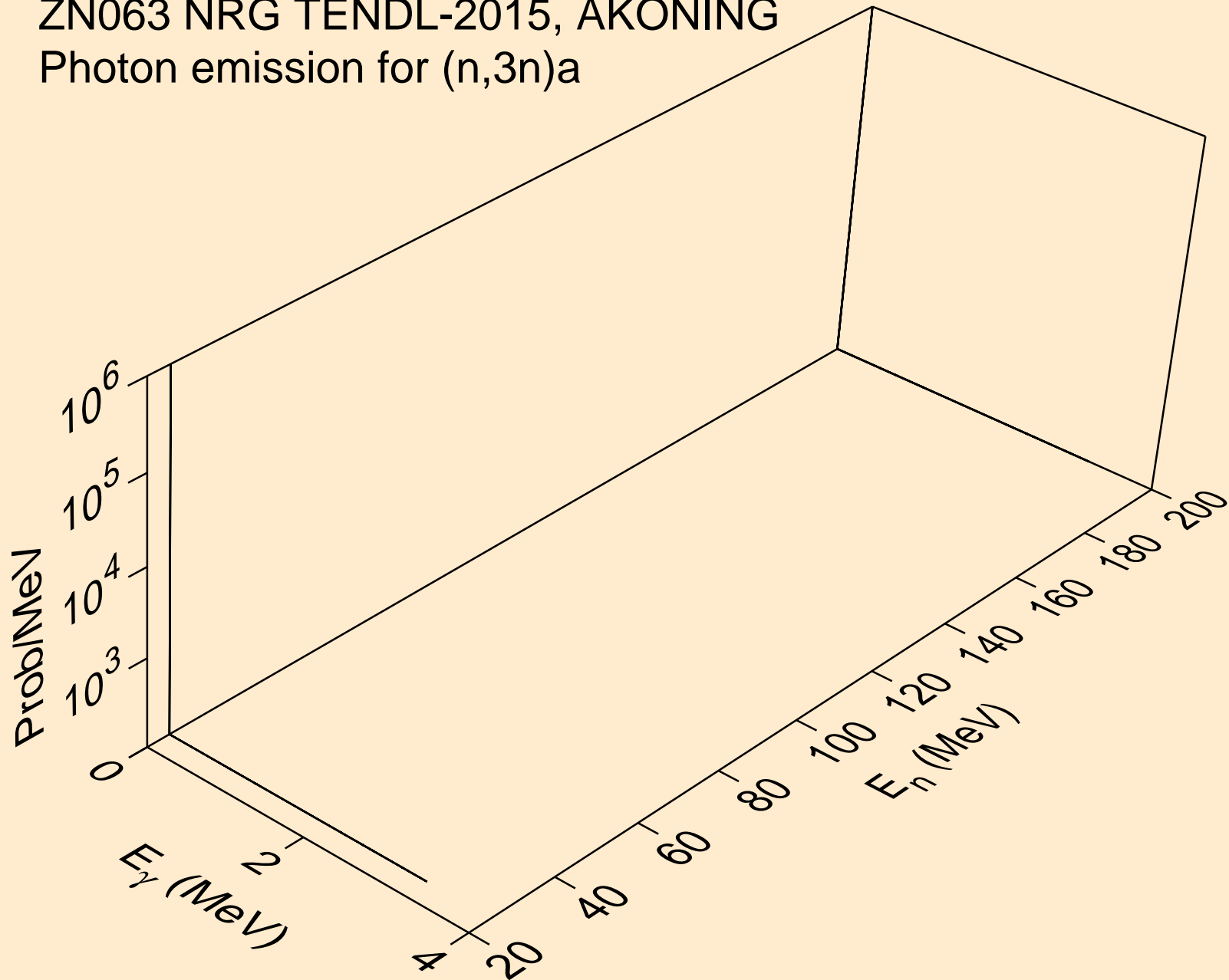
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



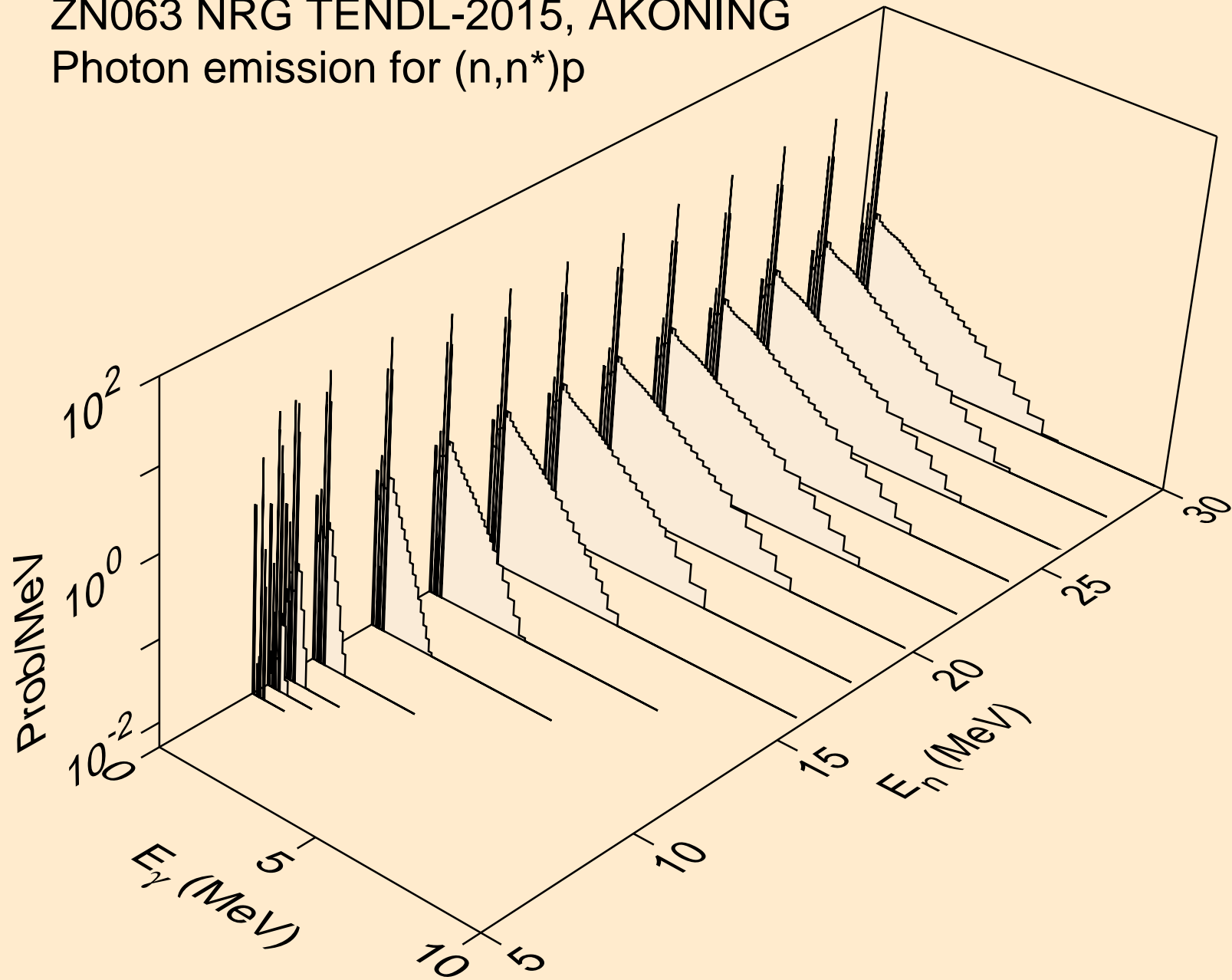
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



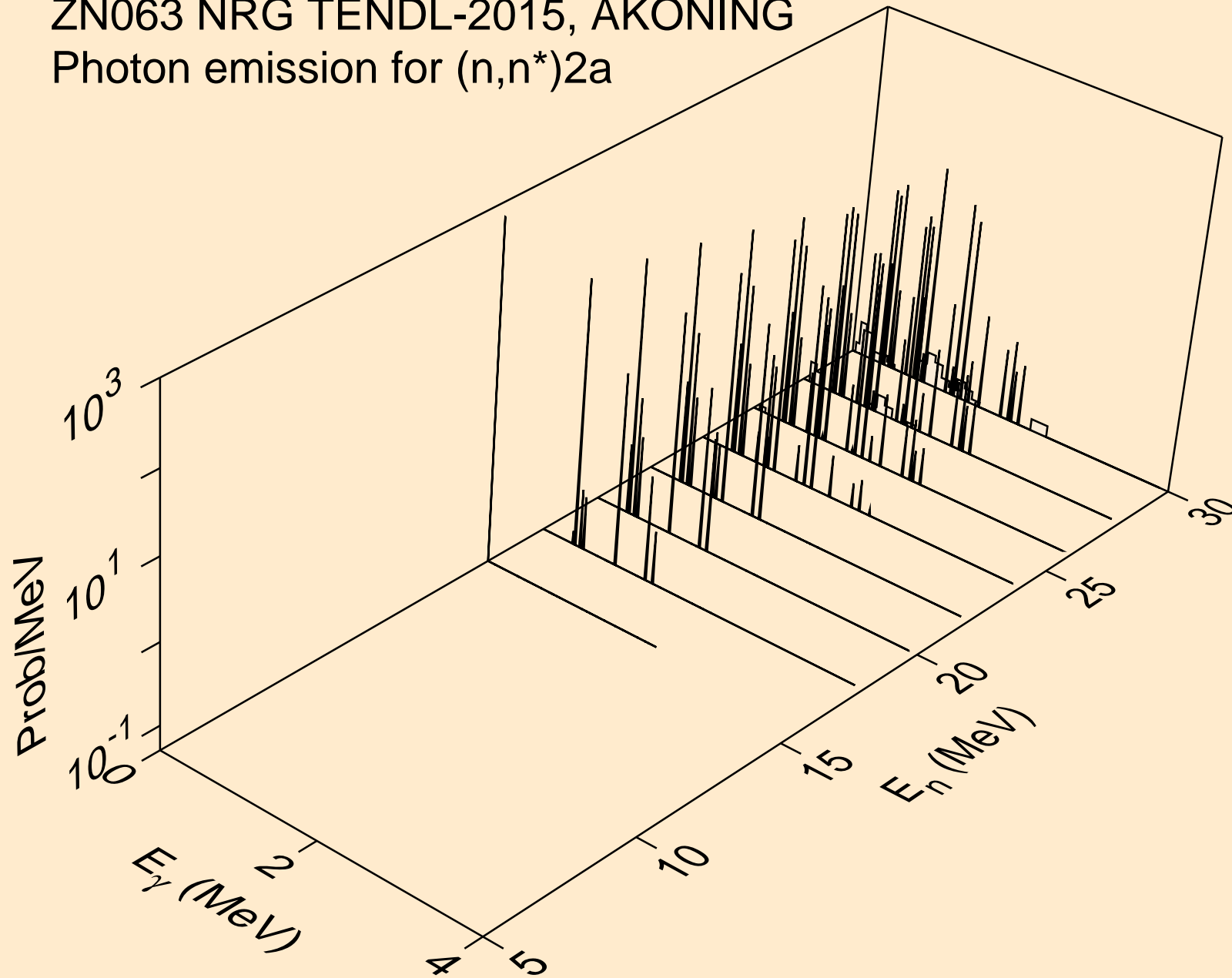
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

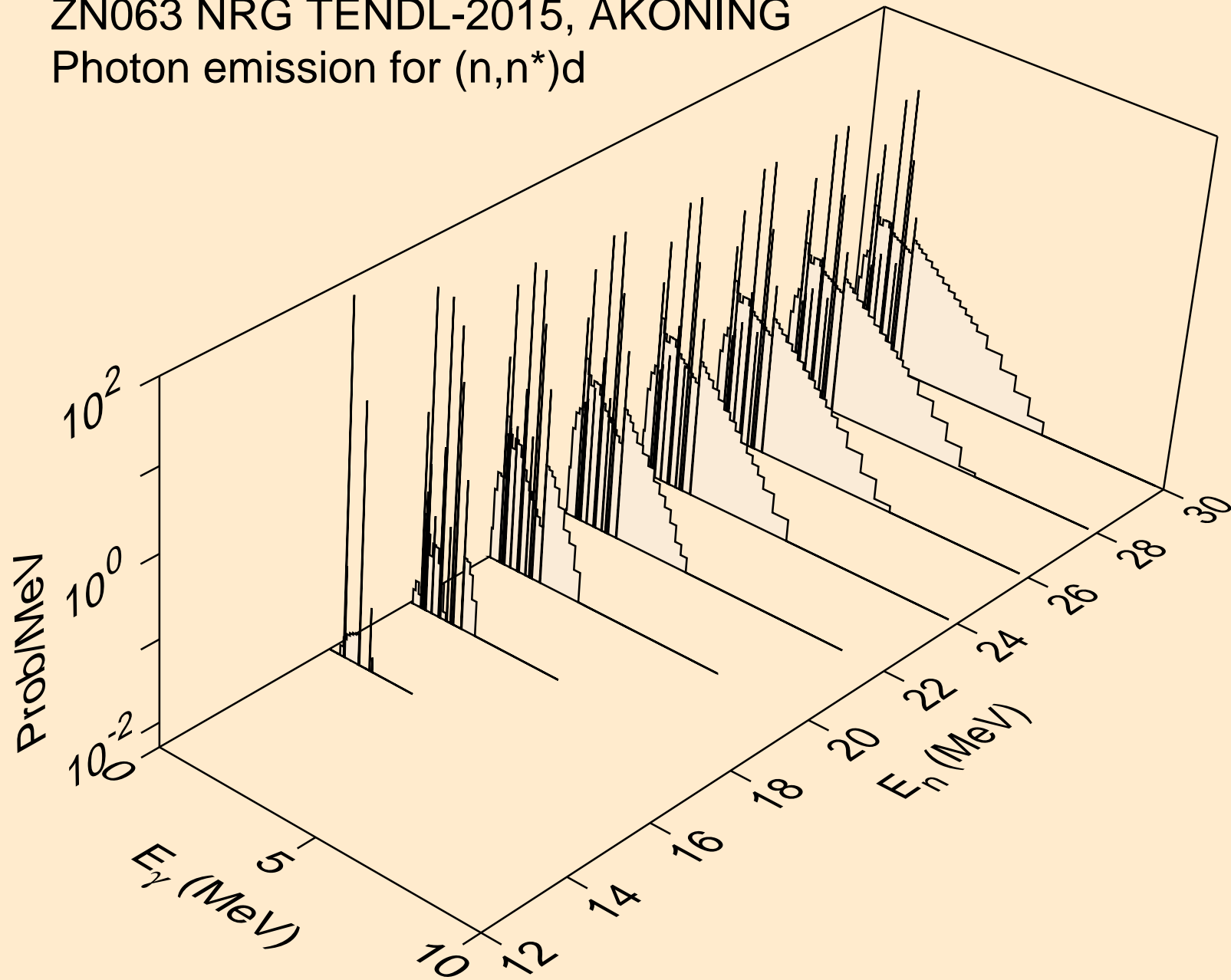


ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

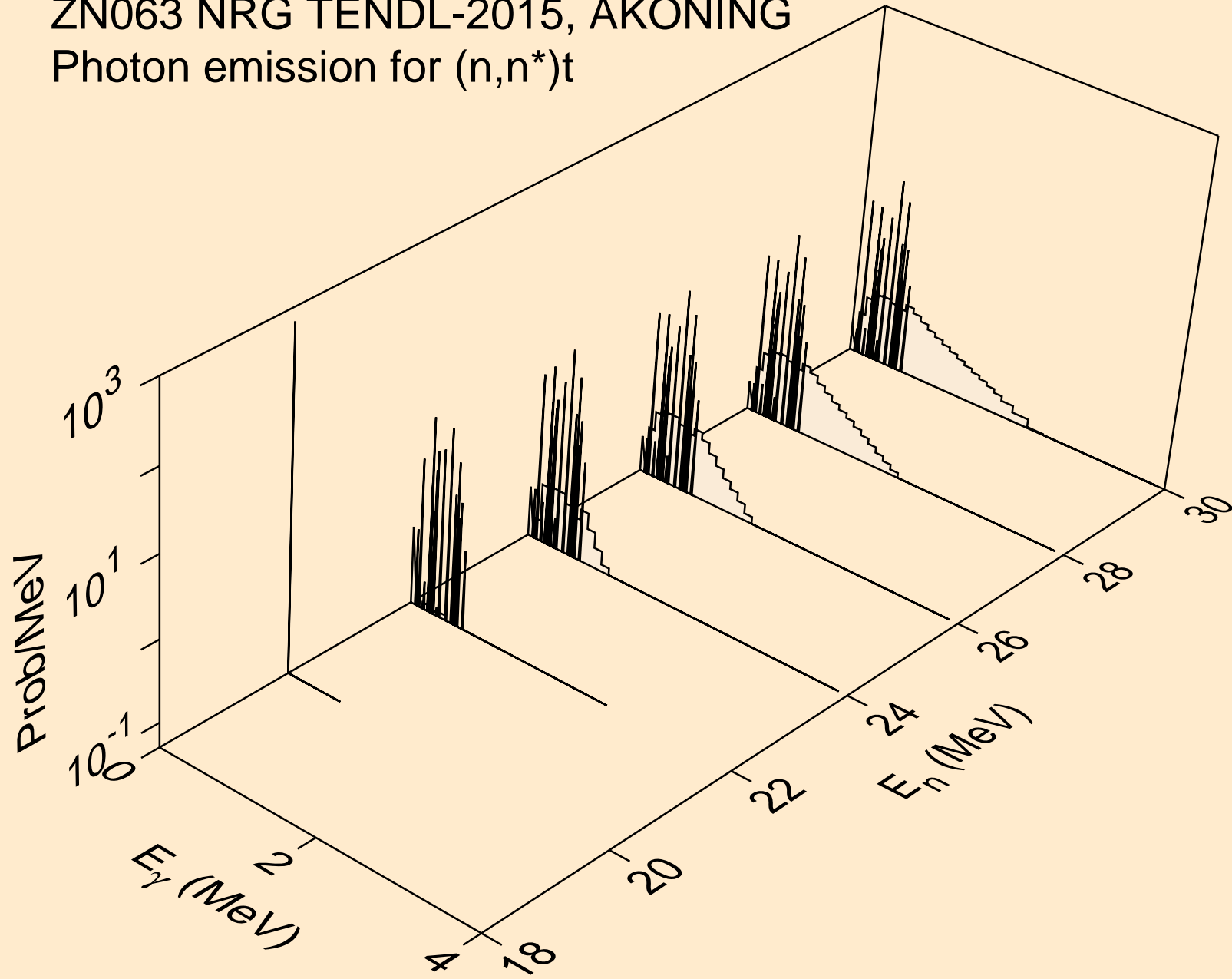




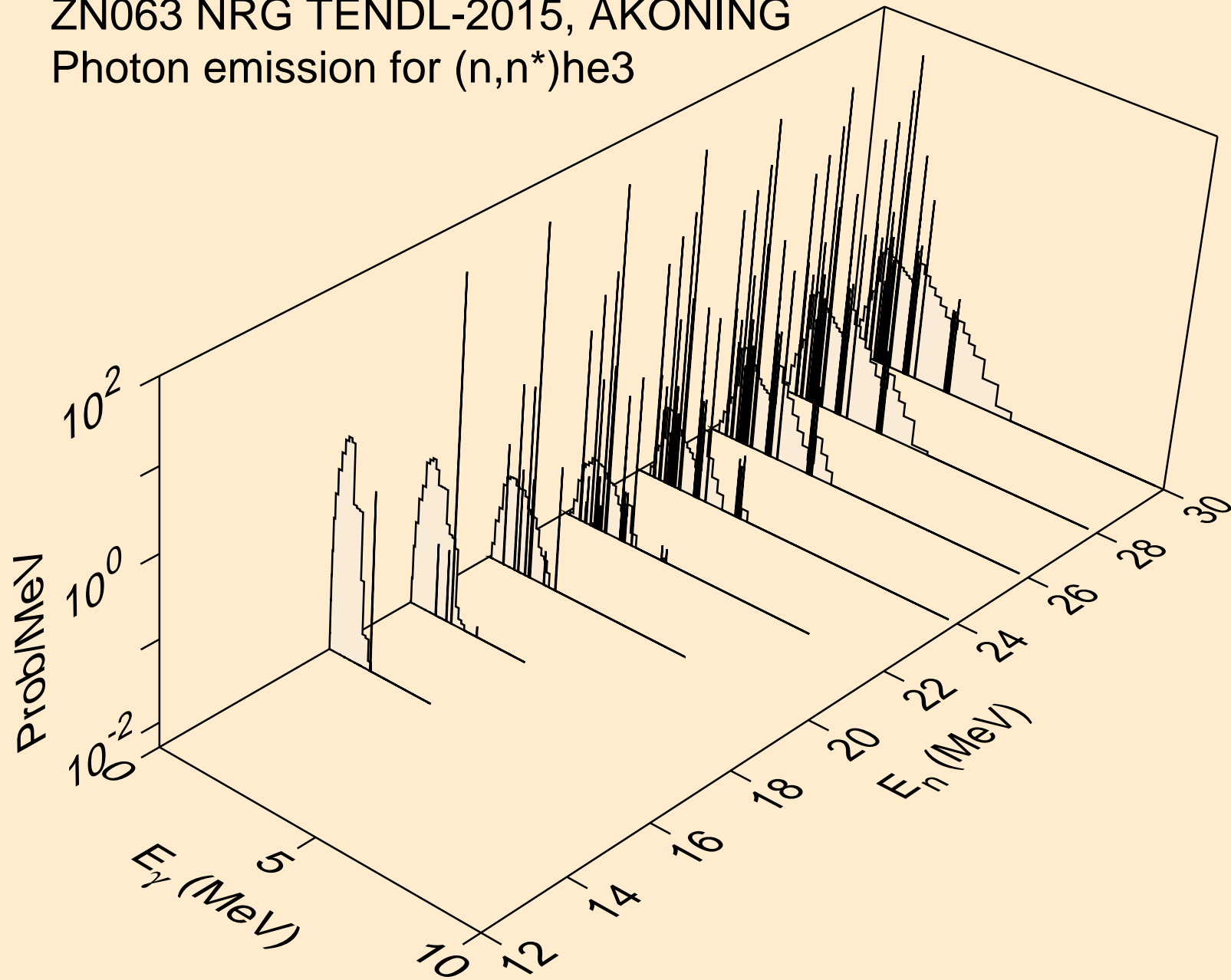
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



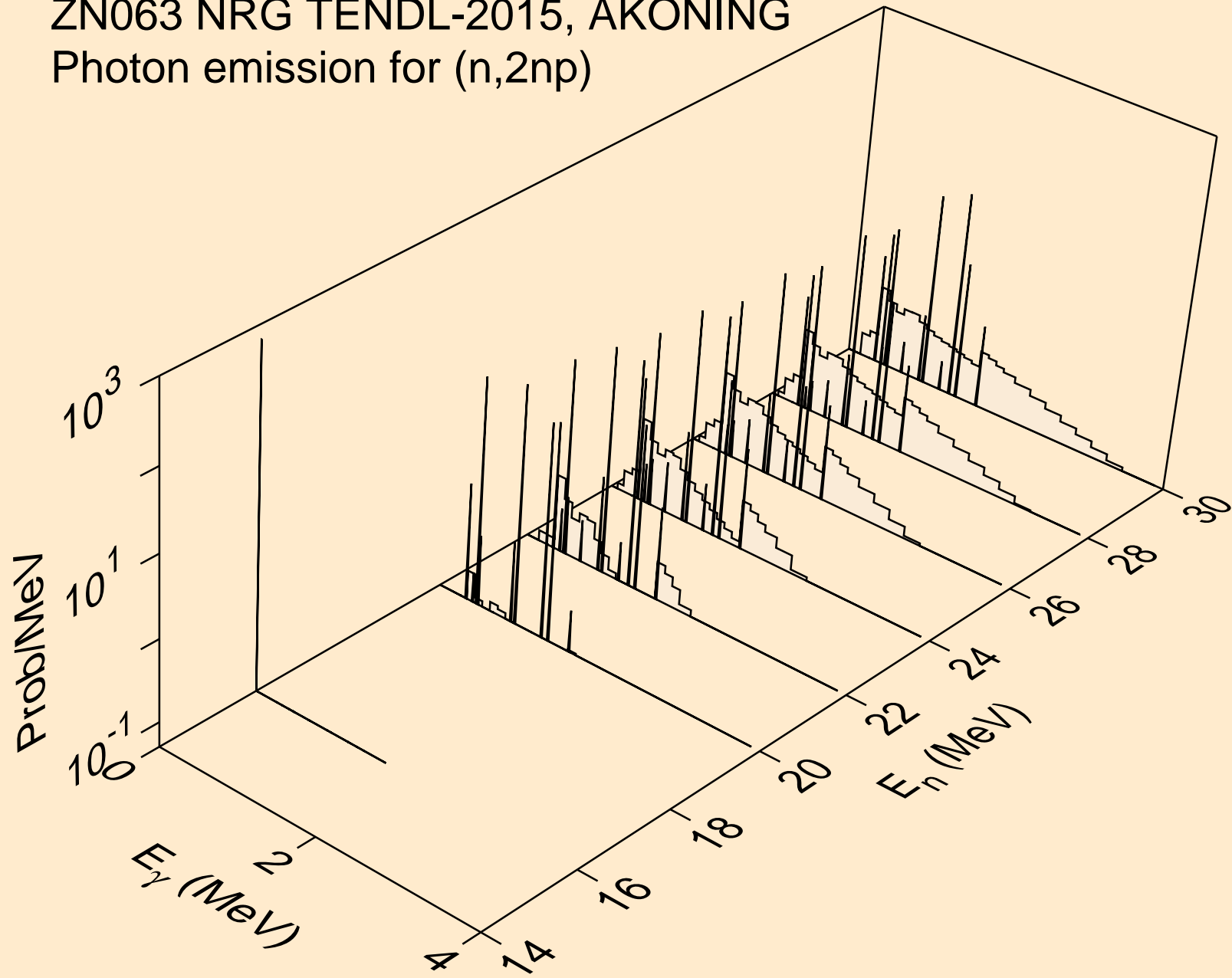
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



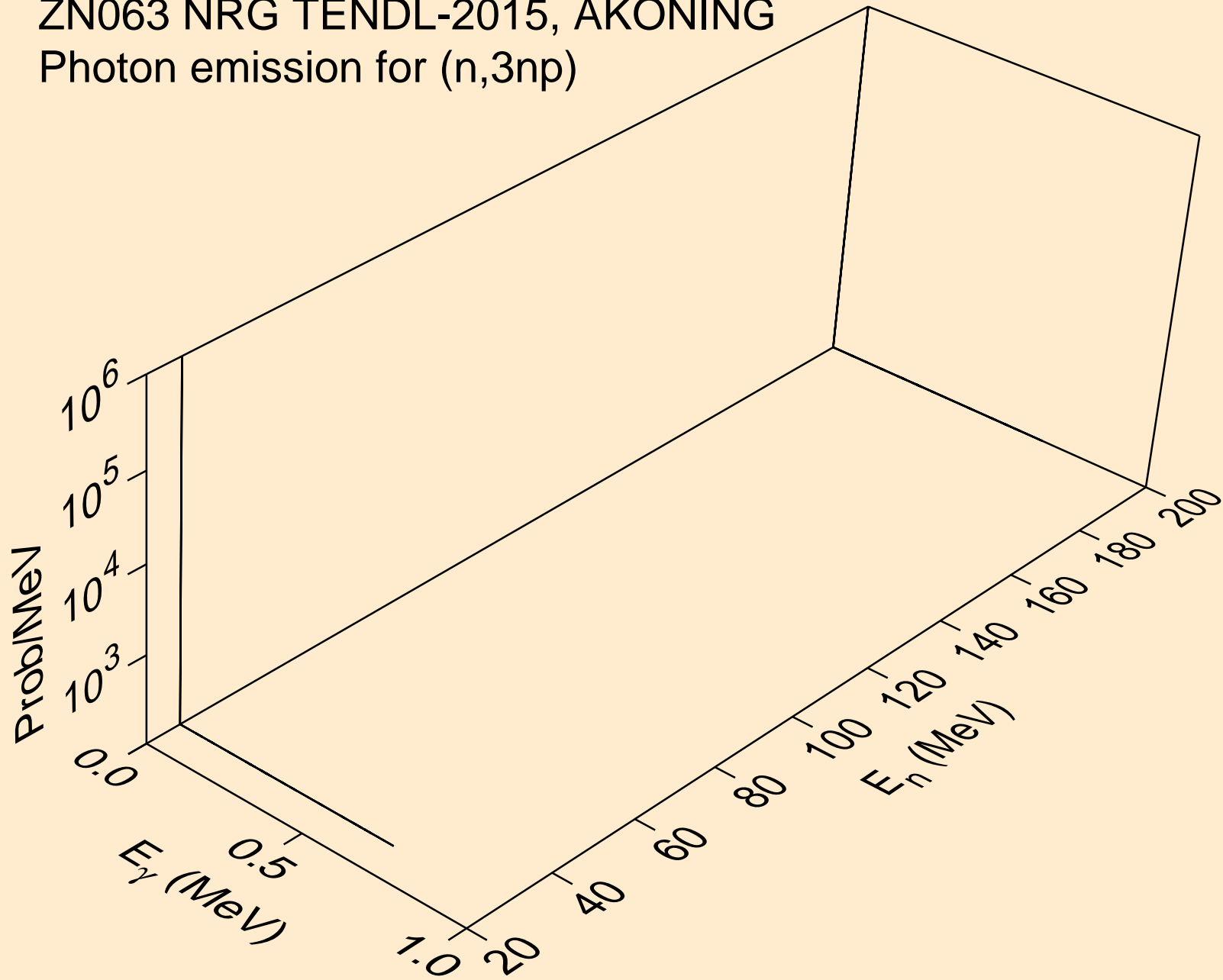
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



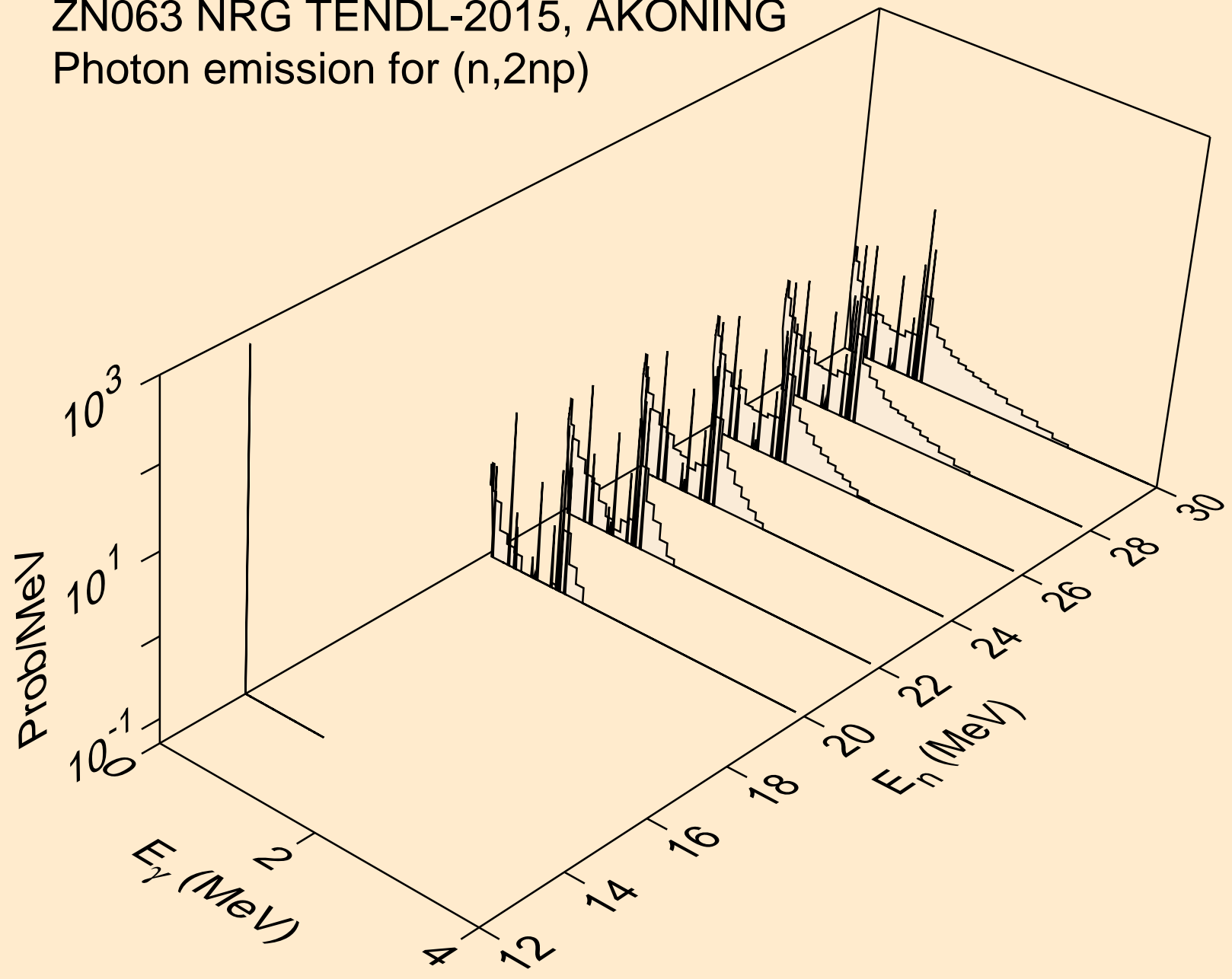
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Photon emission for (n,2np)



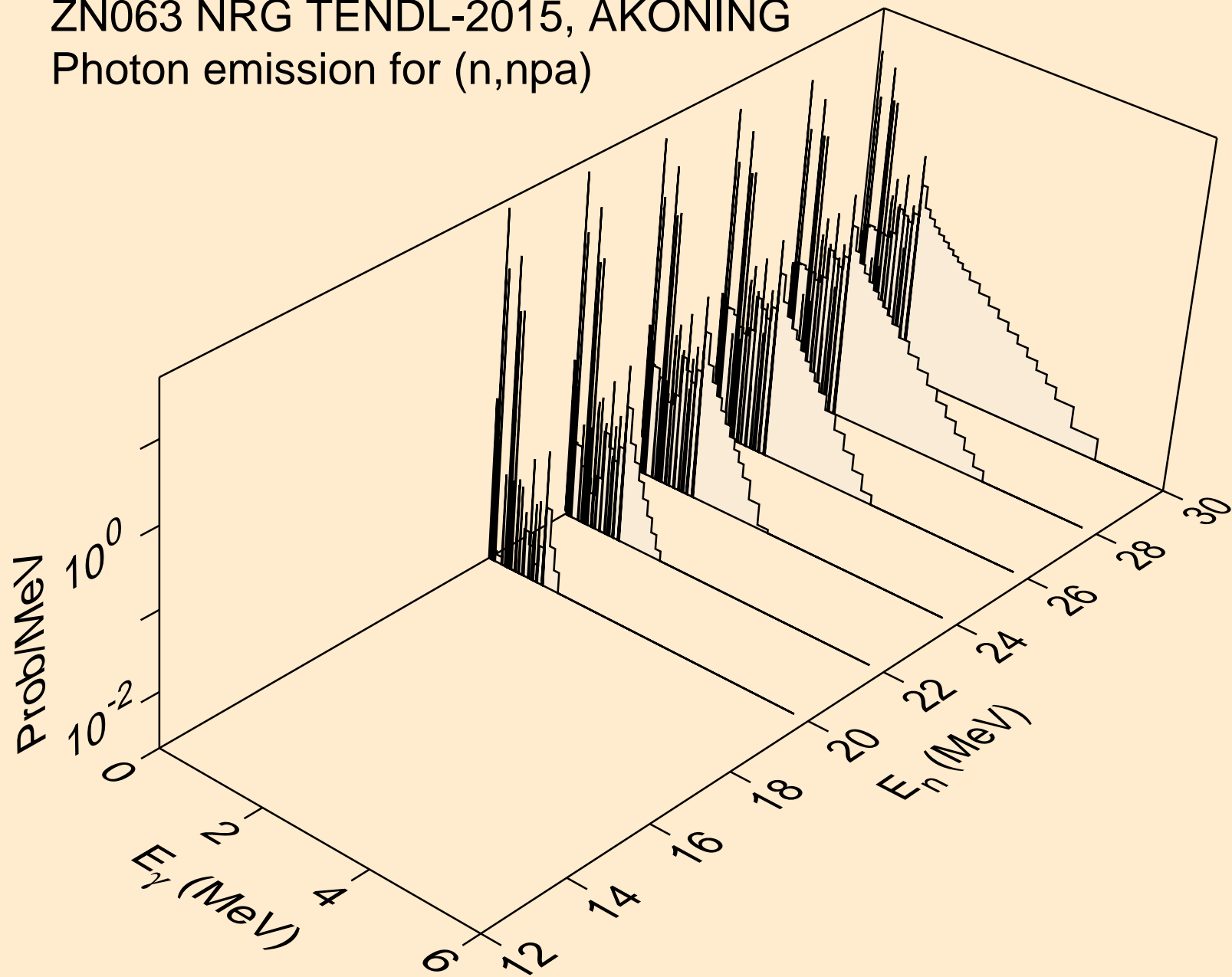
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Photon emission for (n,3np)



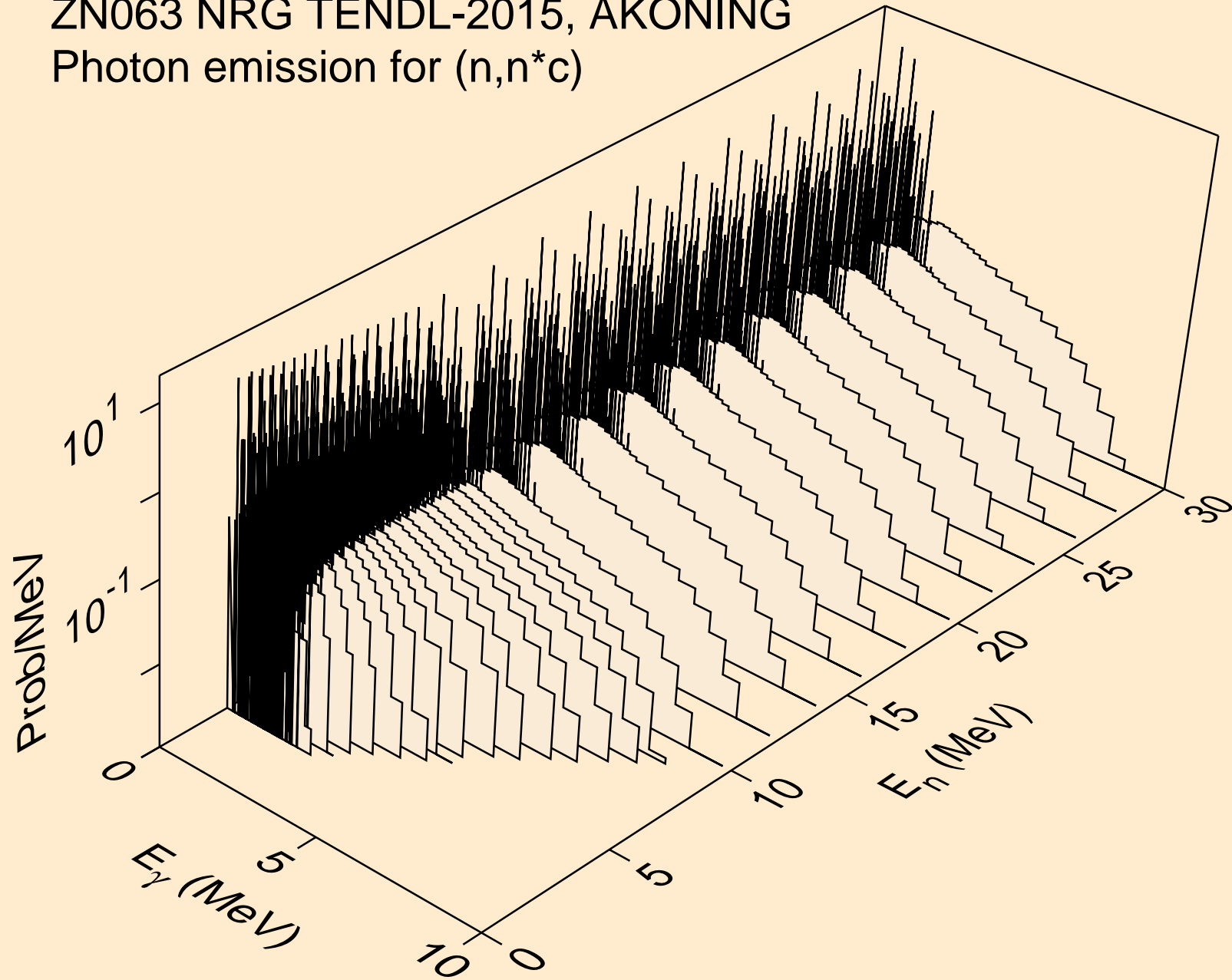
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Photon emission for (n,2np)



ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

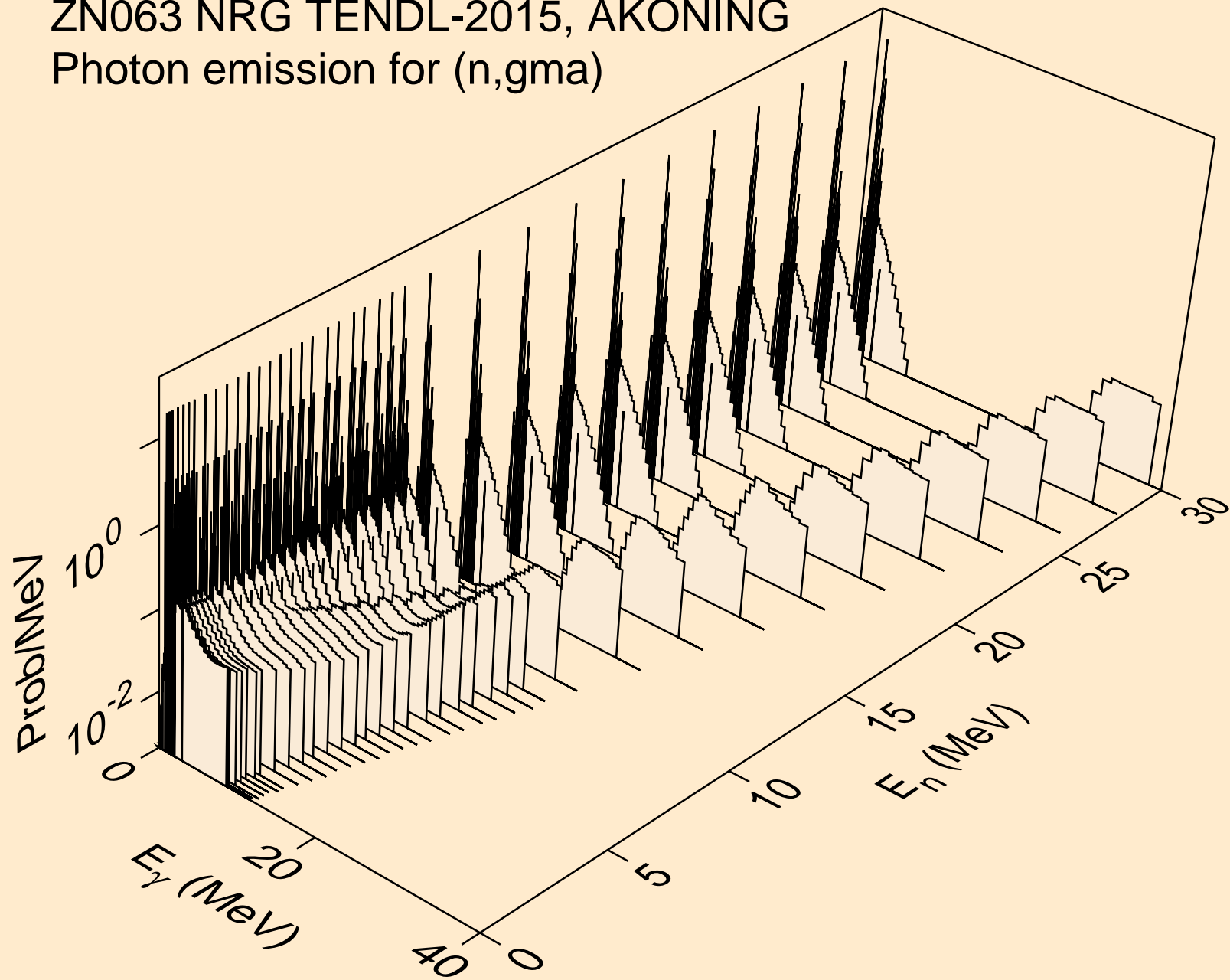


ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

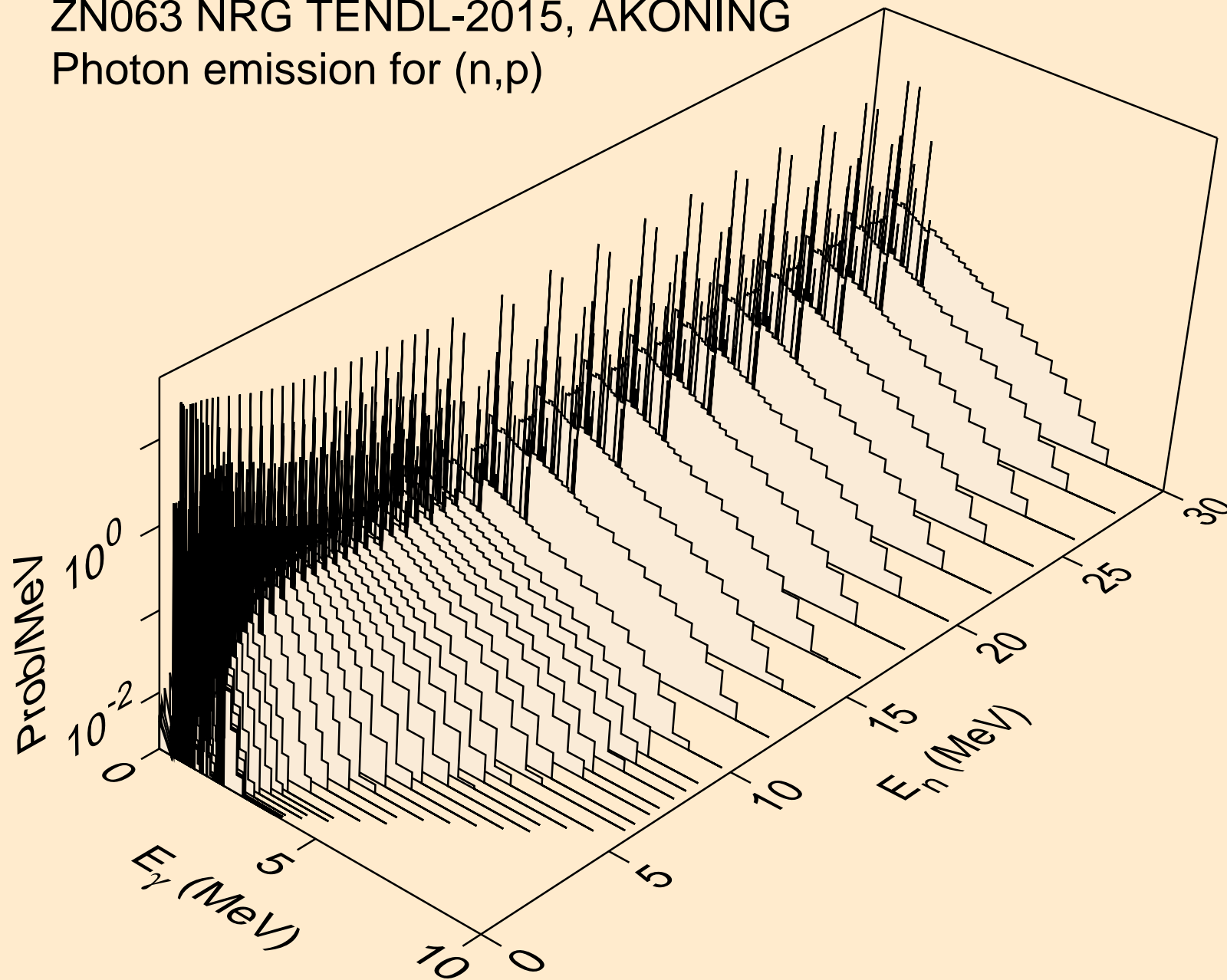




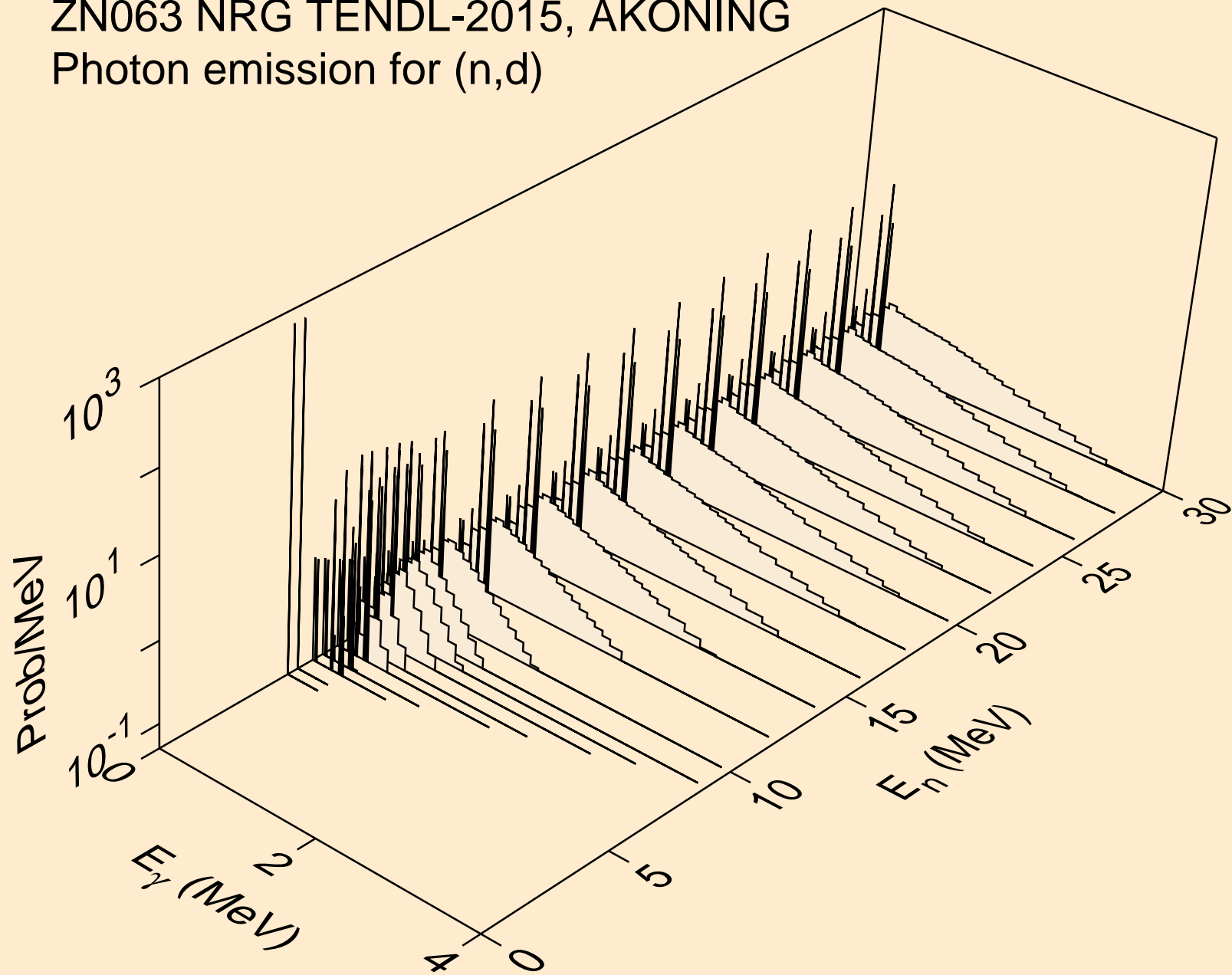
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



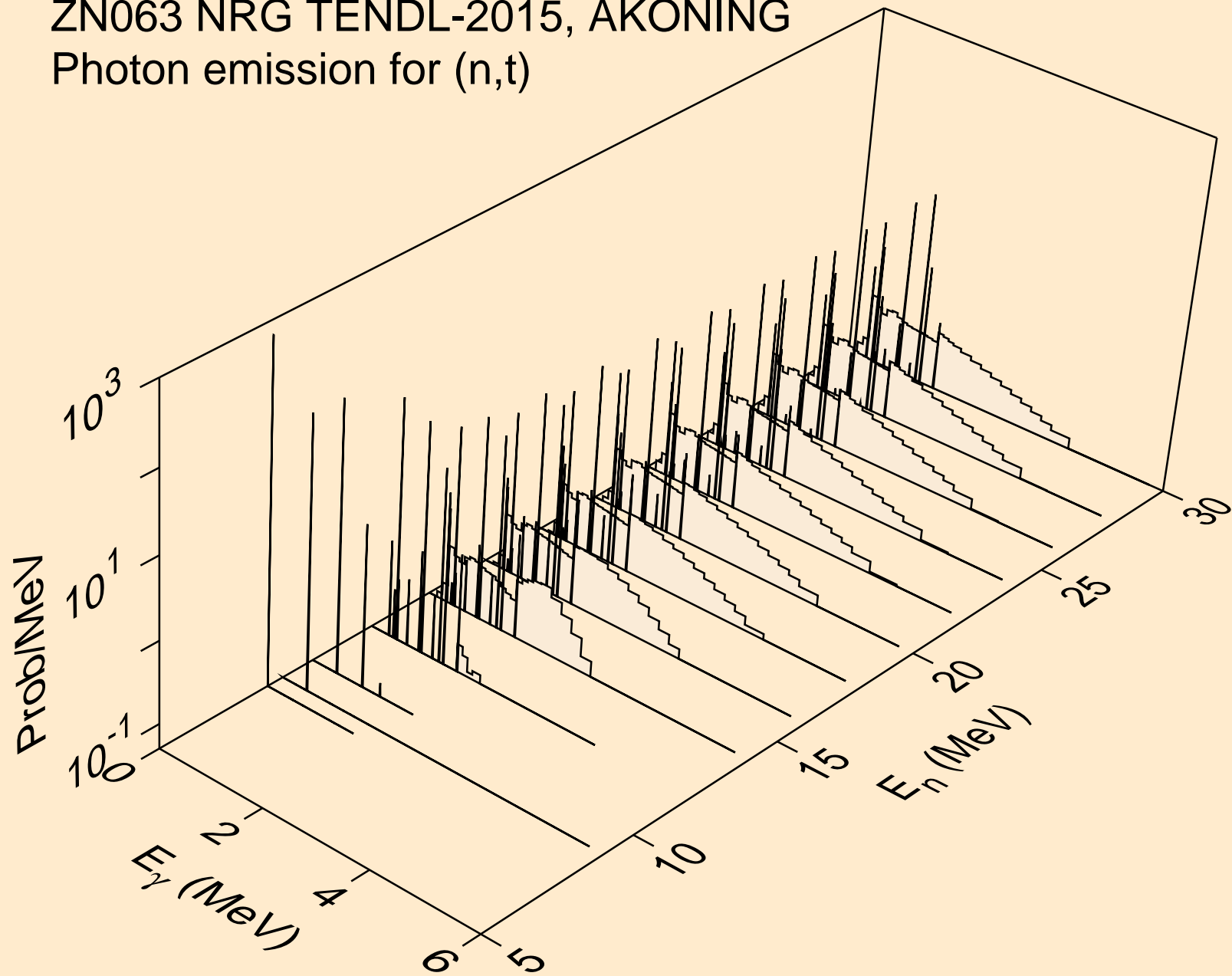
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



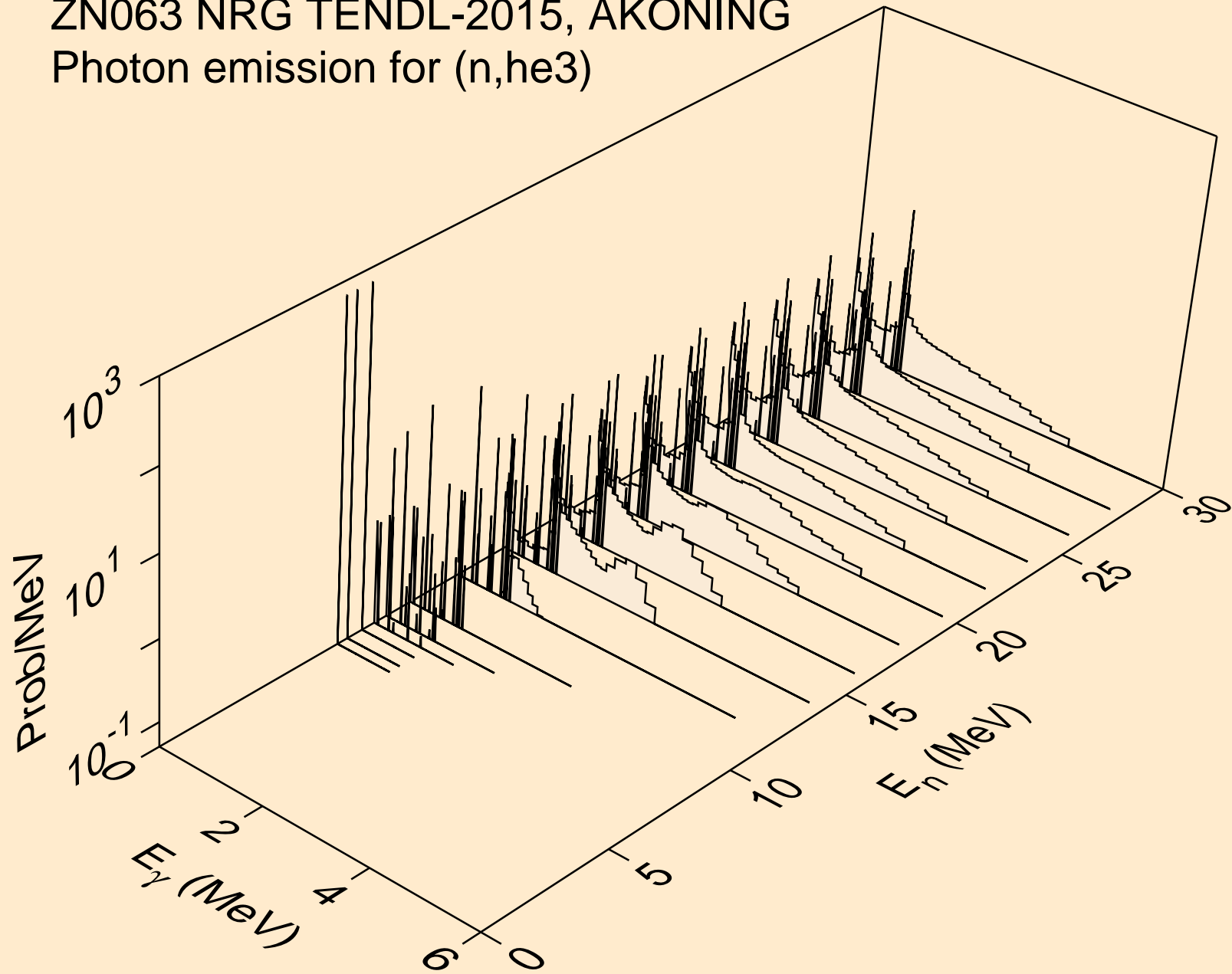
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Photon emission for (n,d)



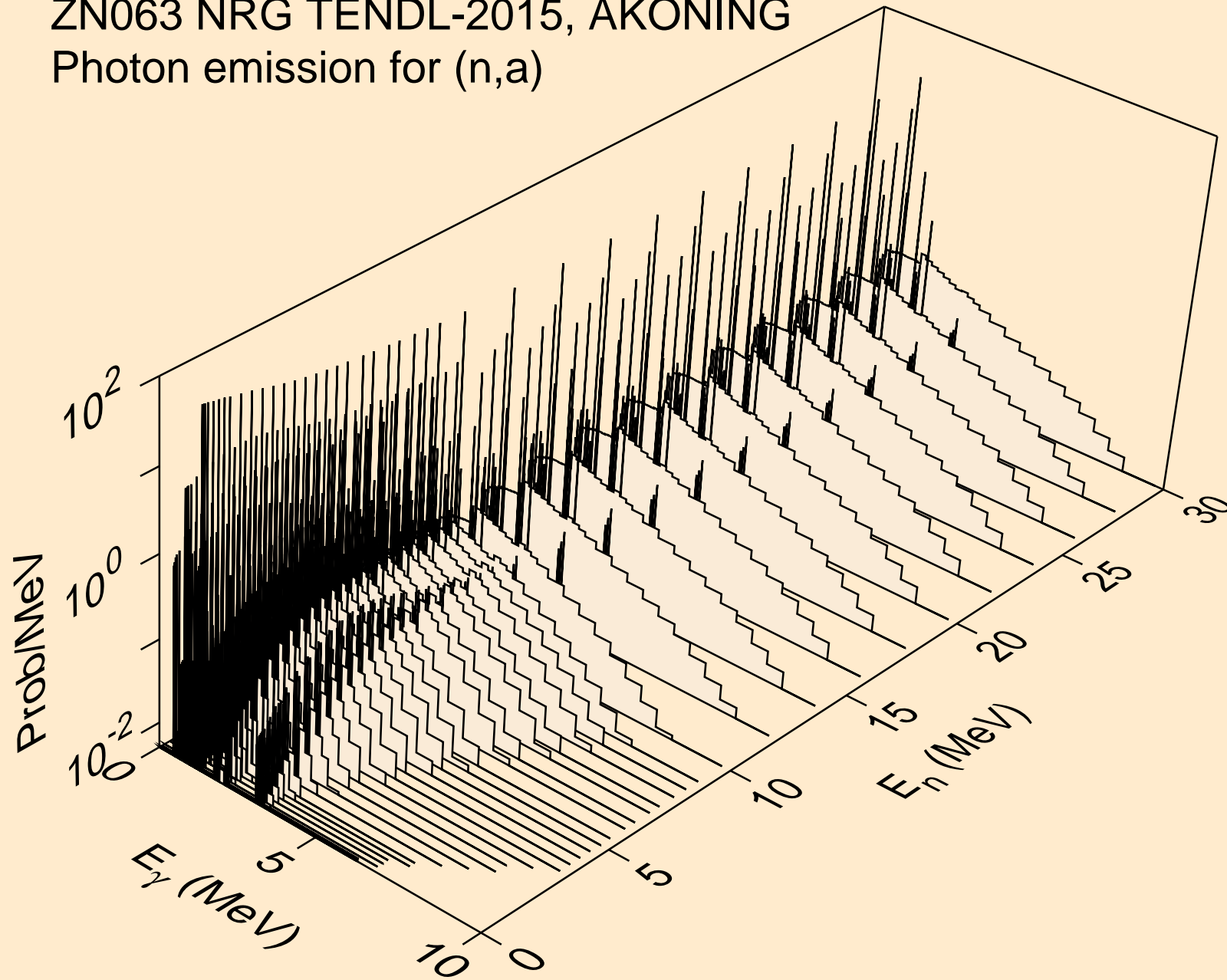
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



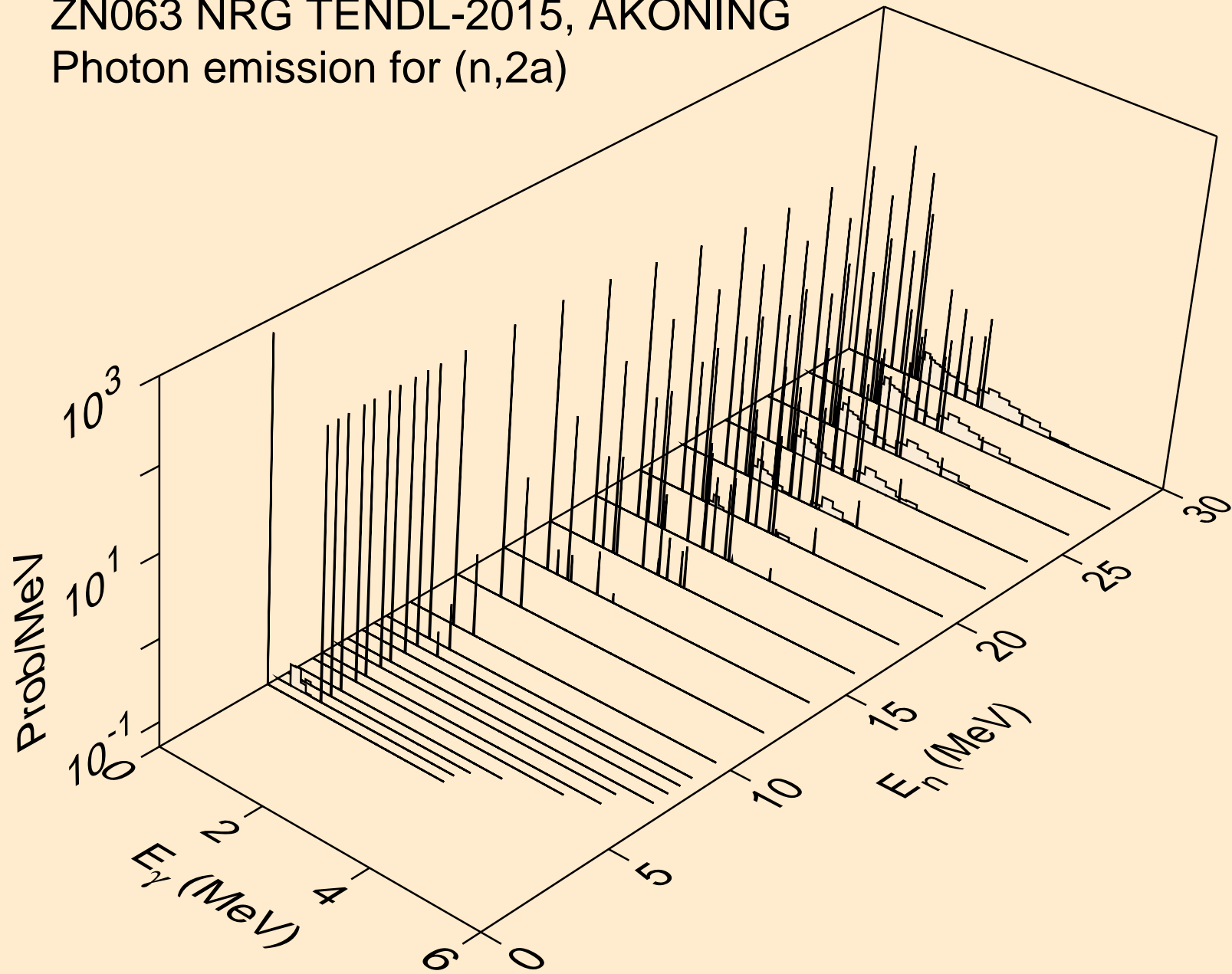
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



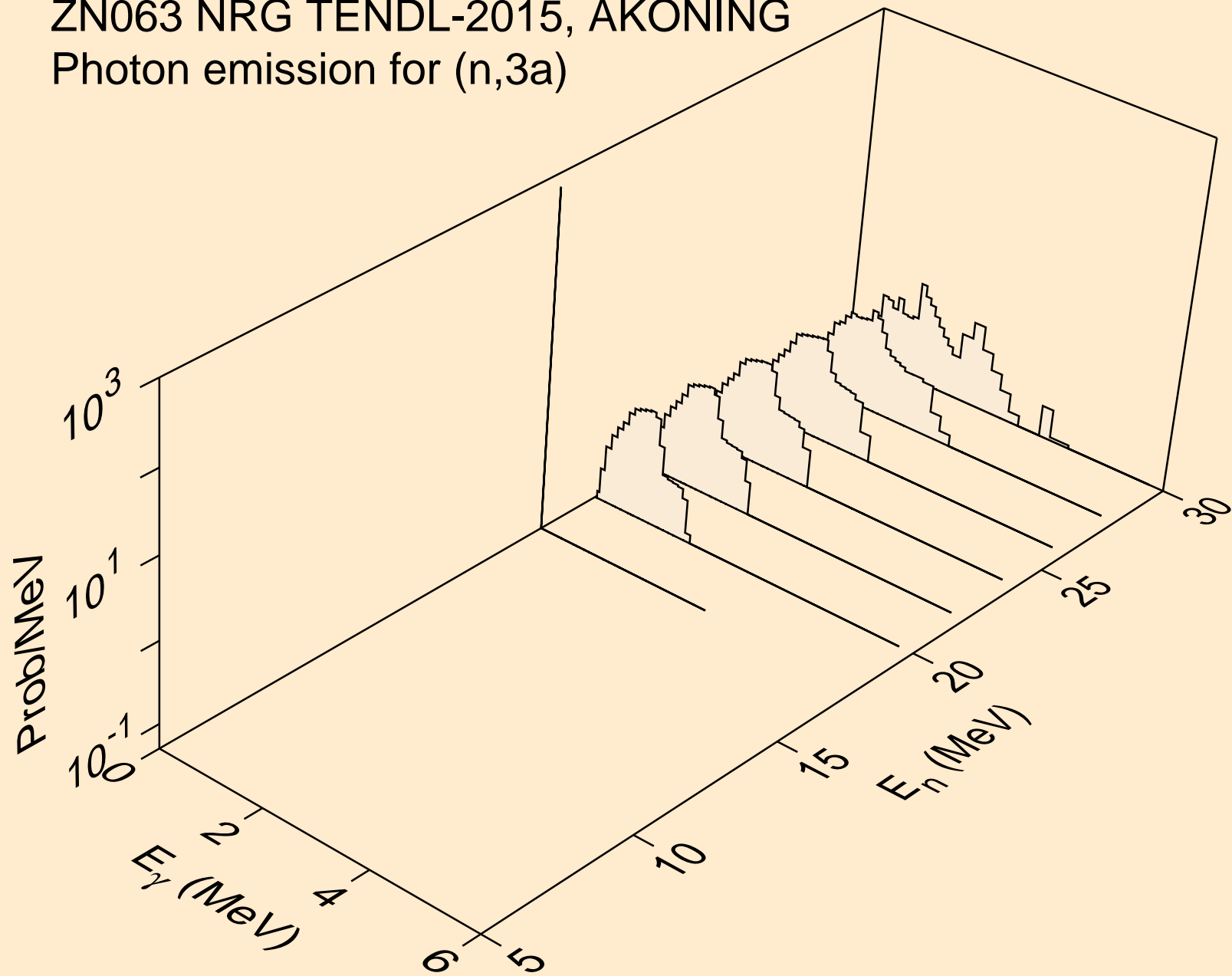
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

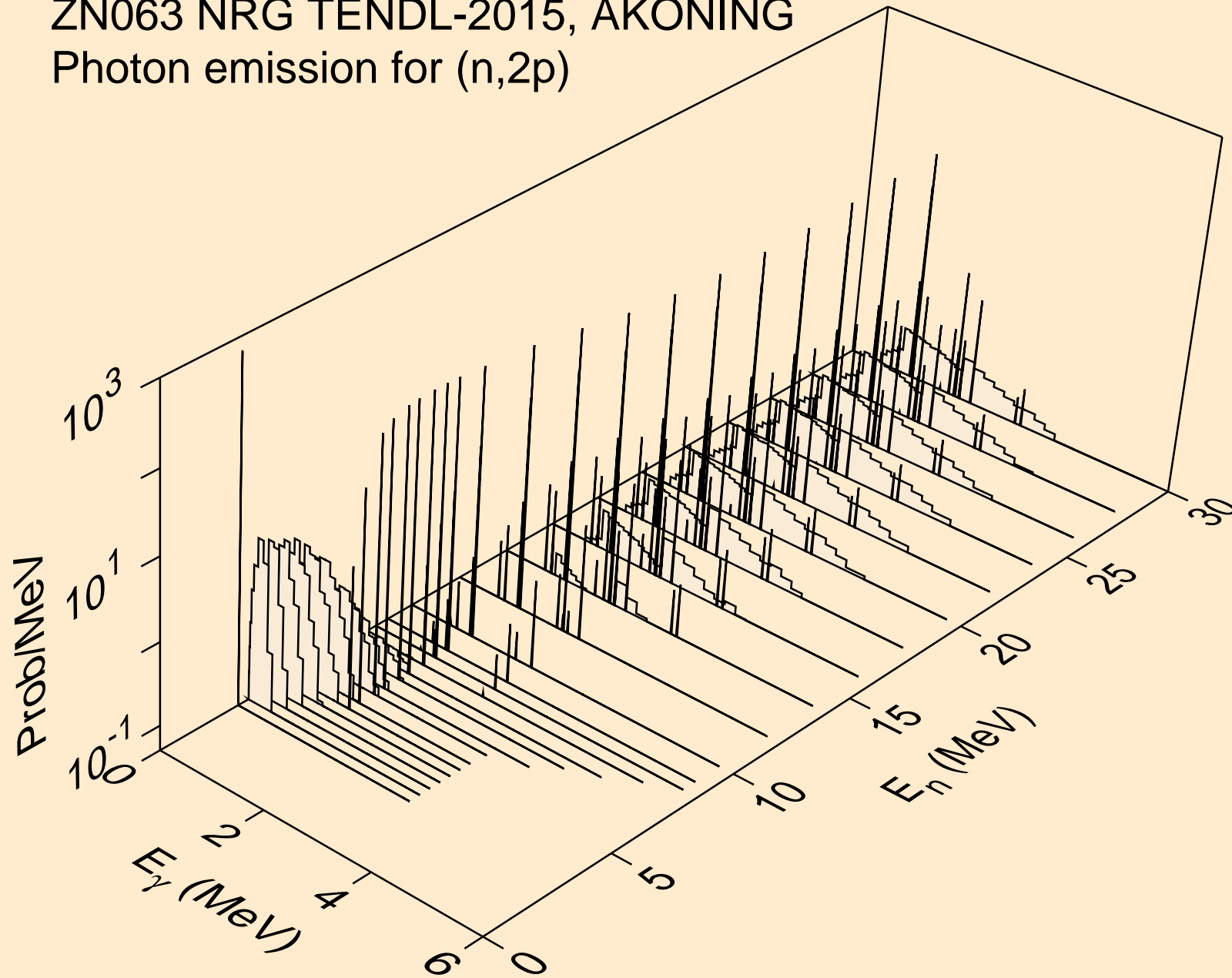


ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)

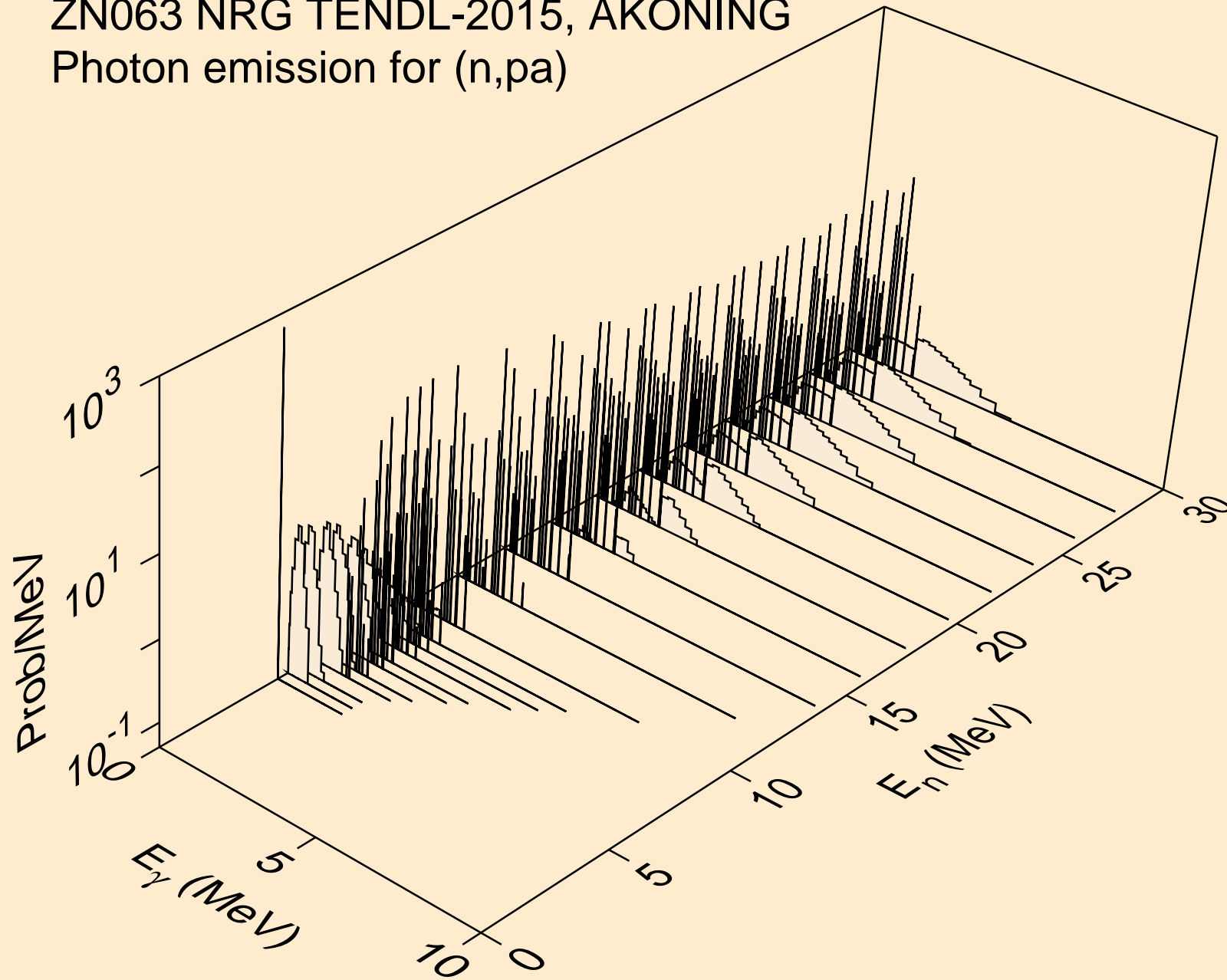




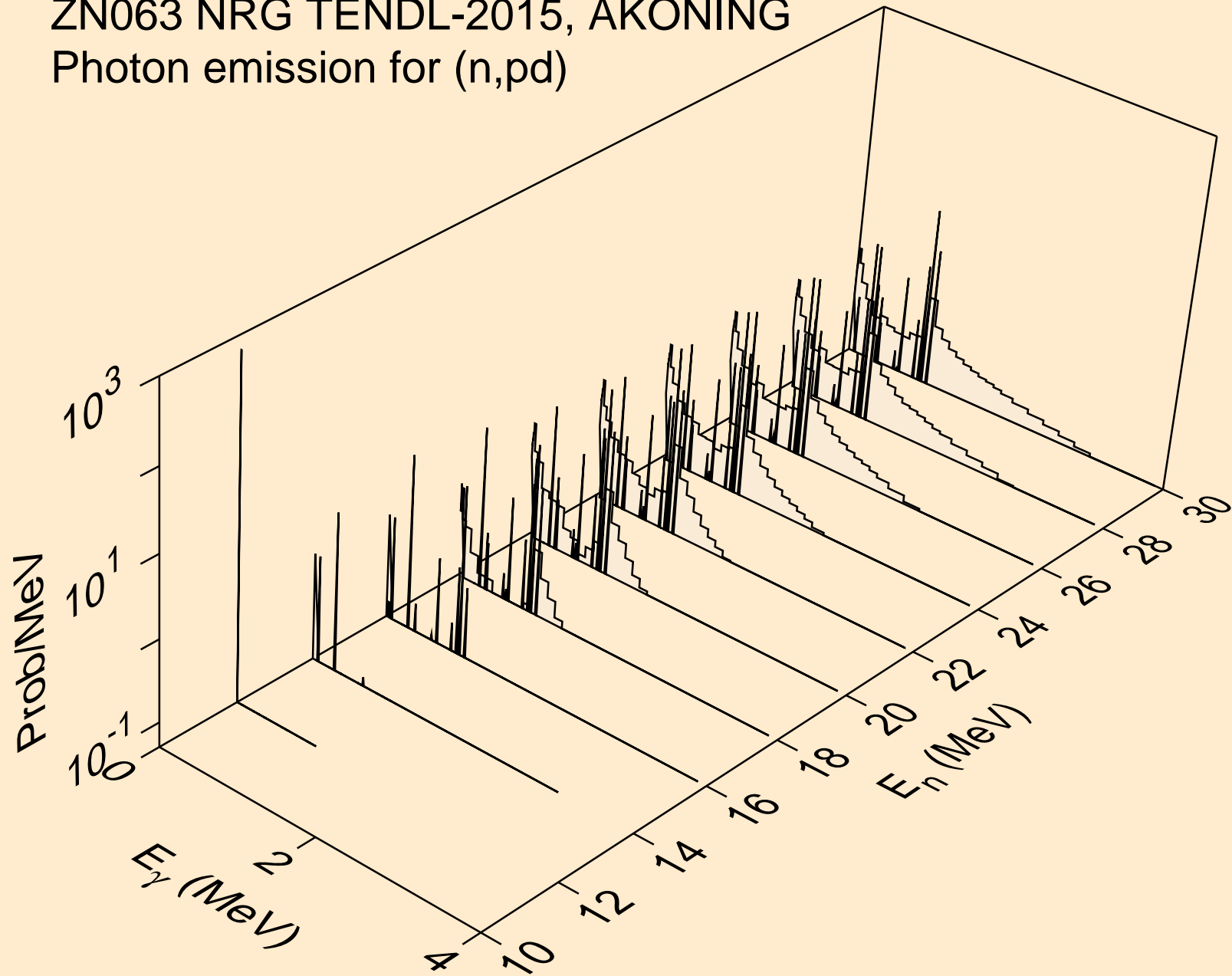
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Photon emission for (n,2p)



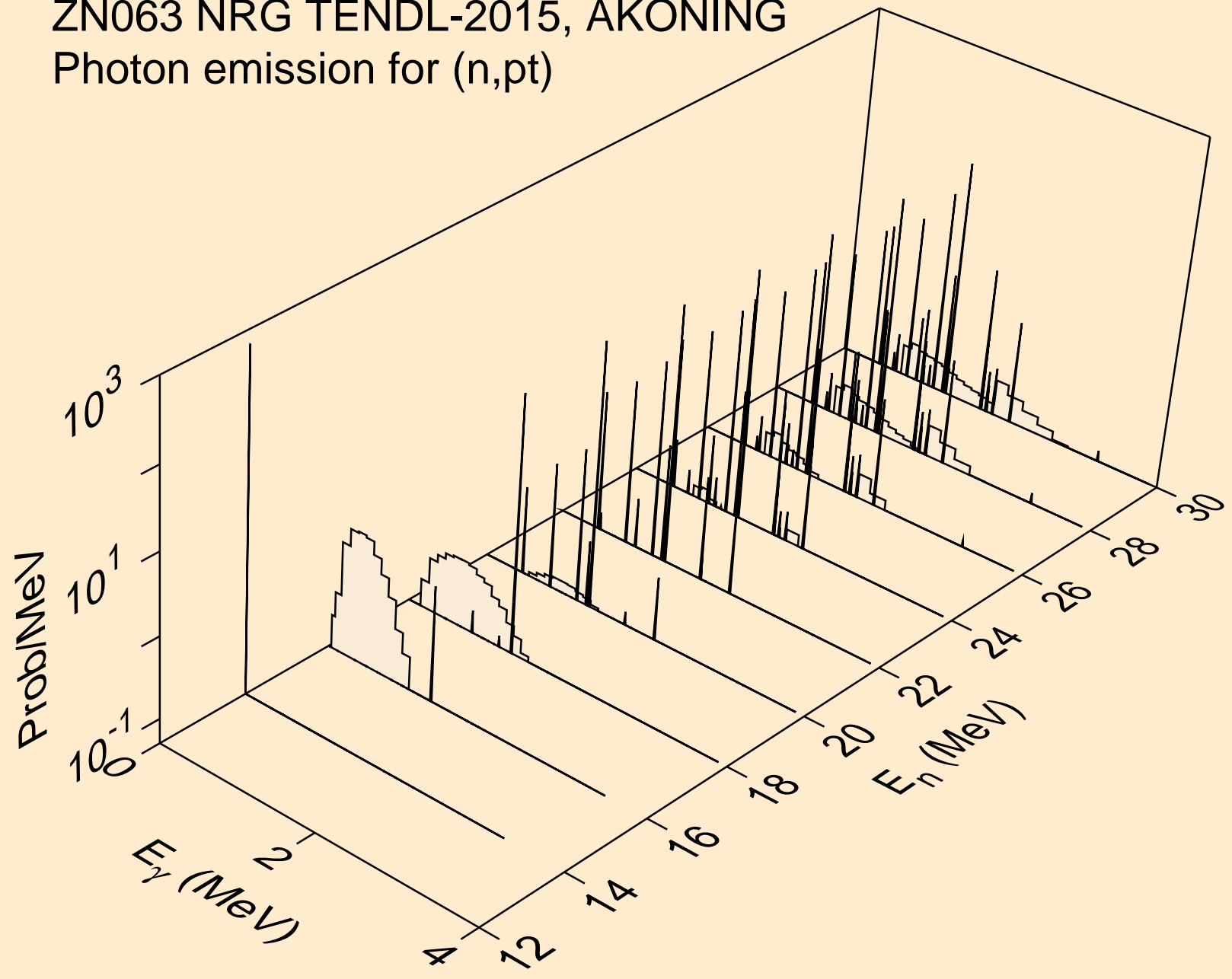
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Photon emission for (n,p $\alpha$ )



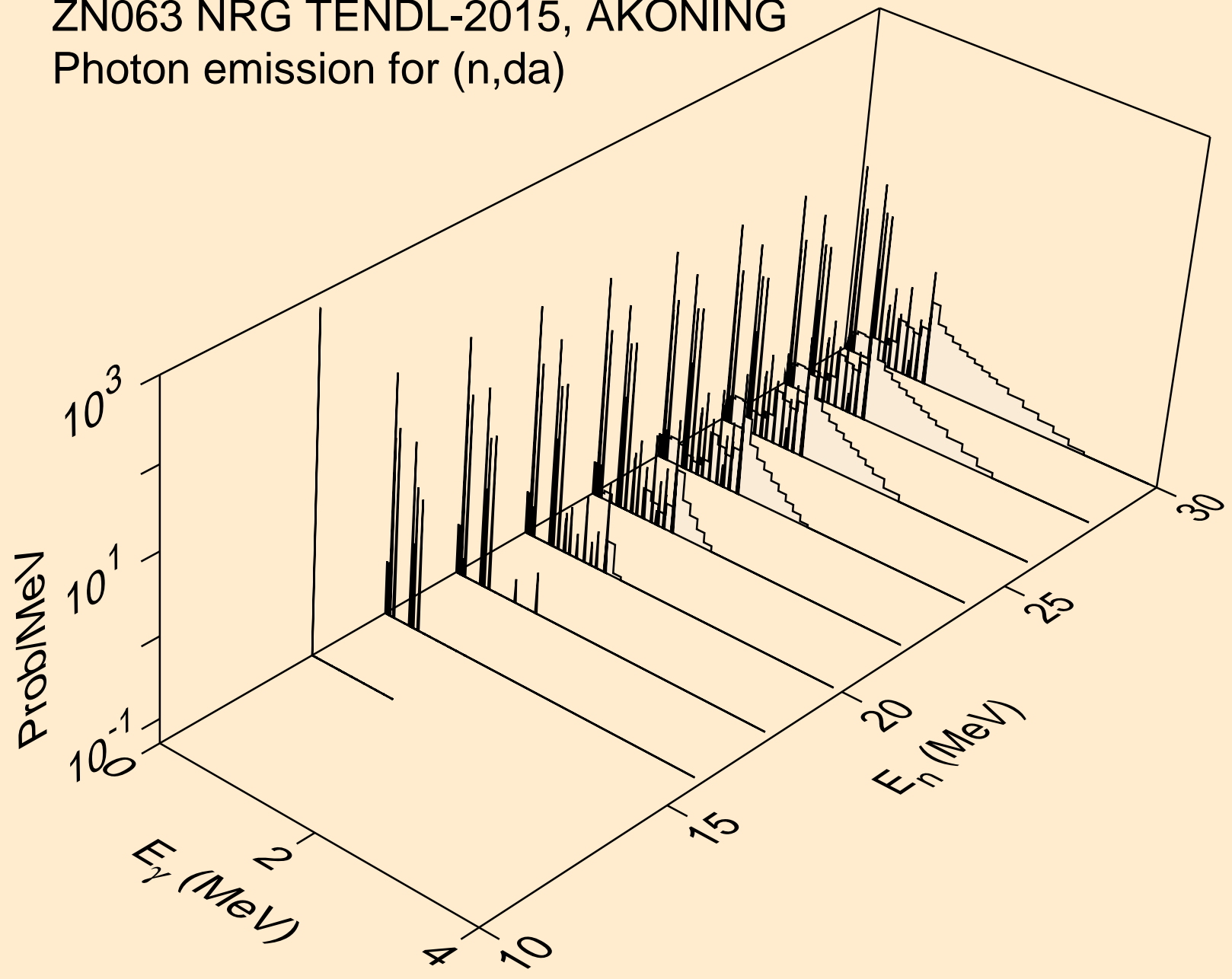
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



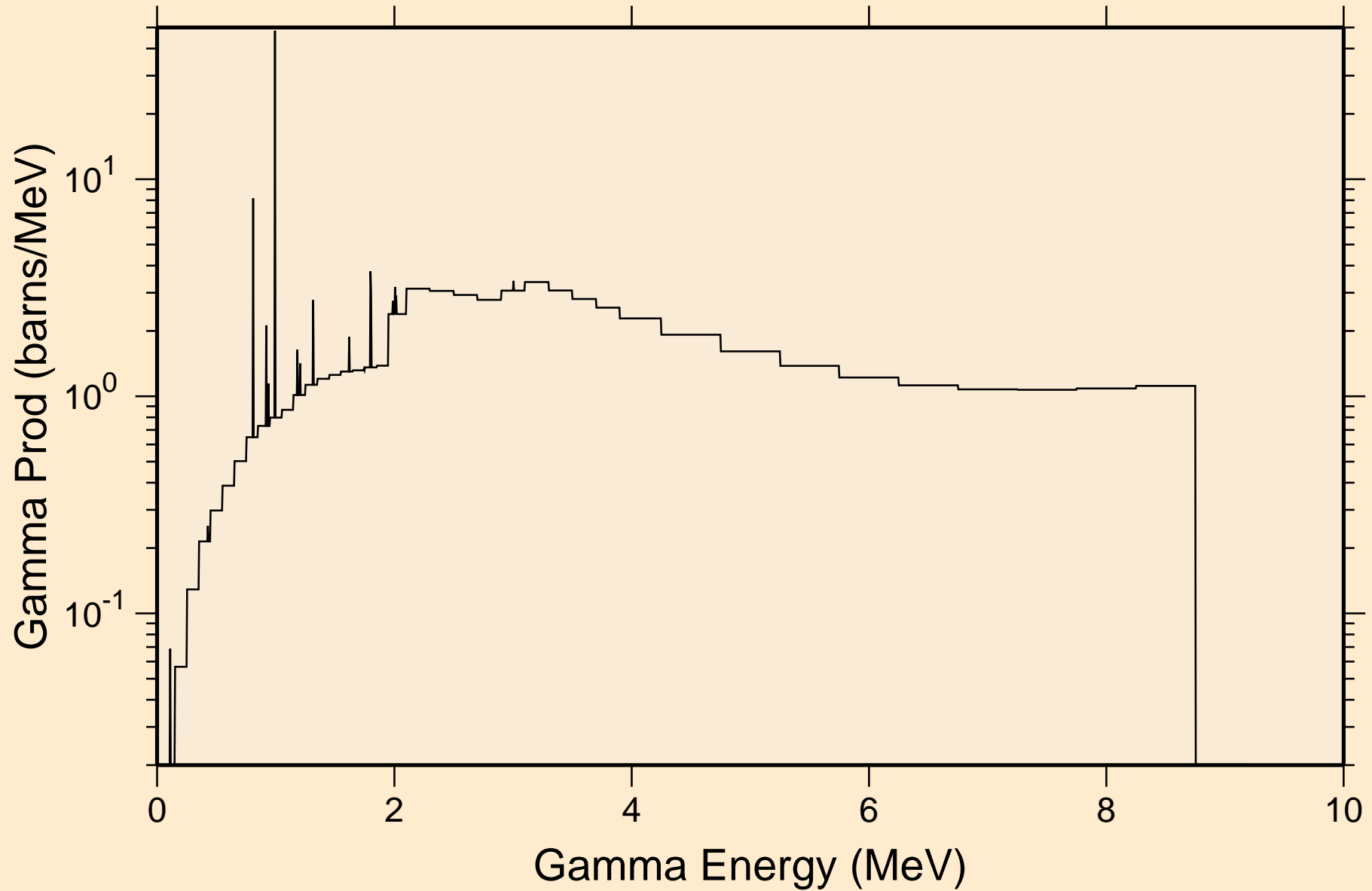
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



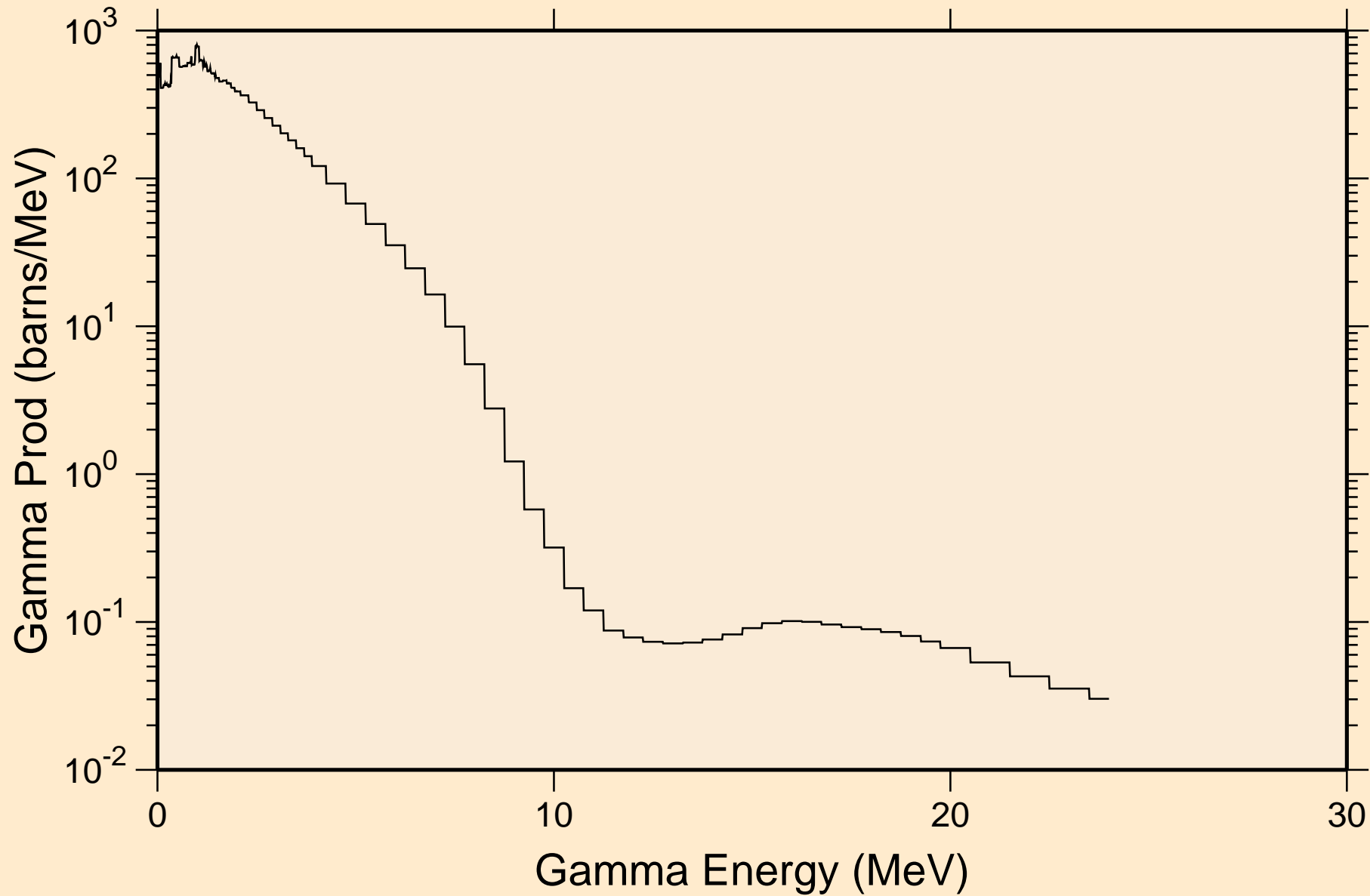
ZN063 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



ZN063 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

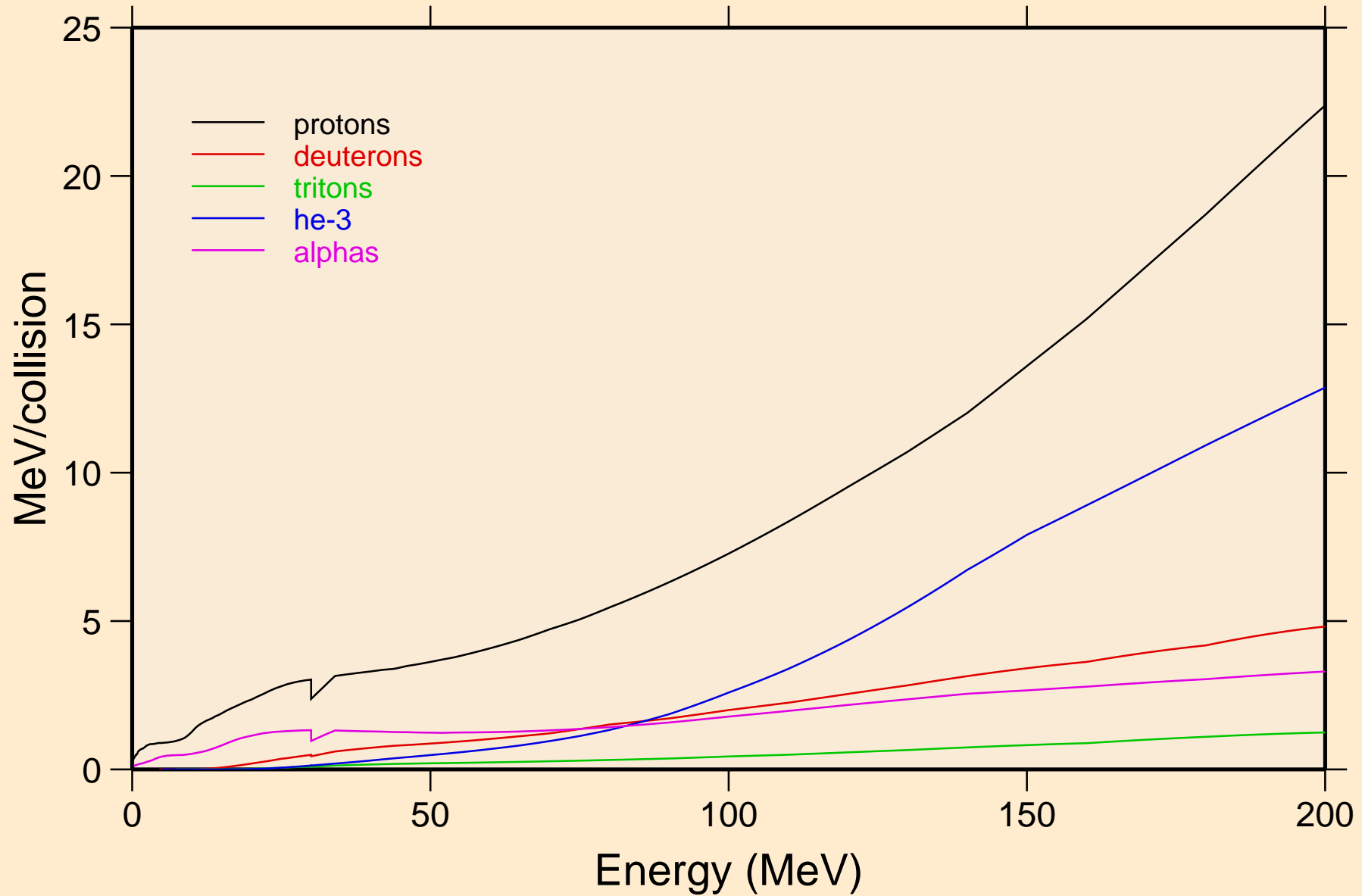


ZN063 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



# ZN063 NRG TENDL-2015, AKONING

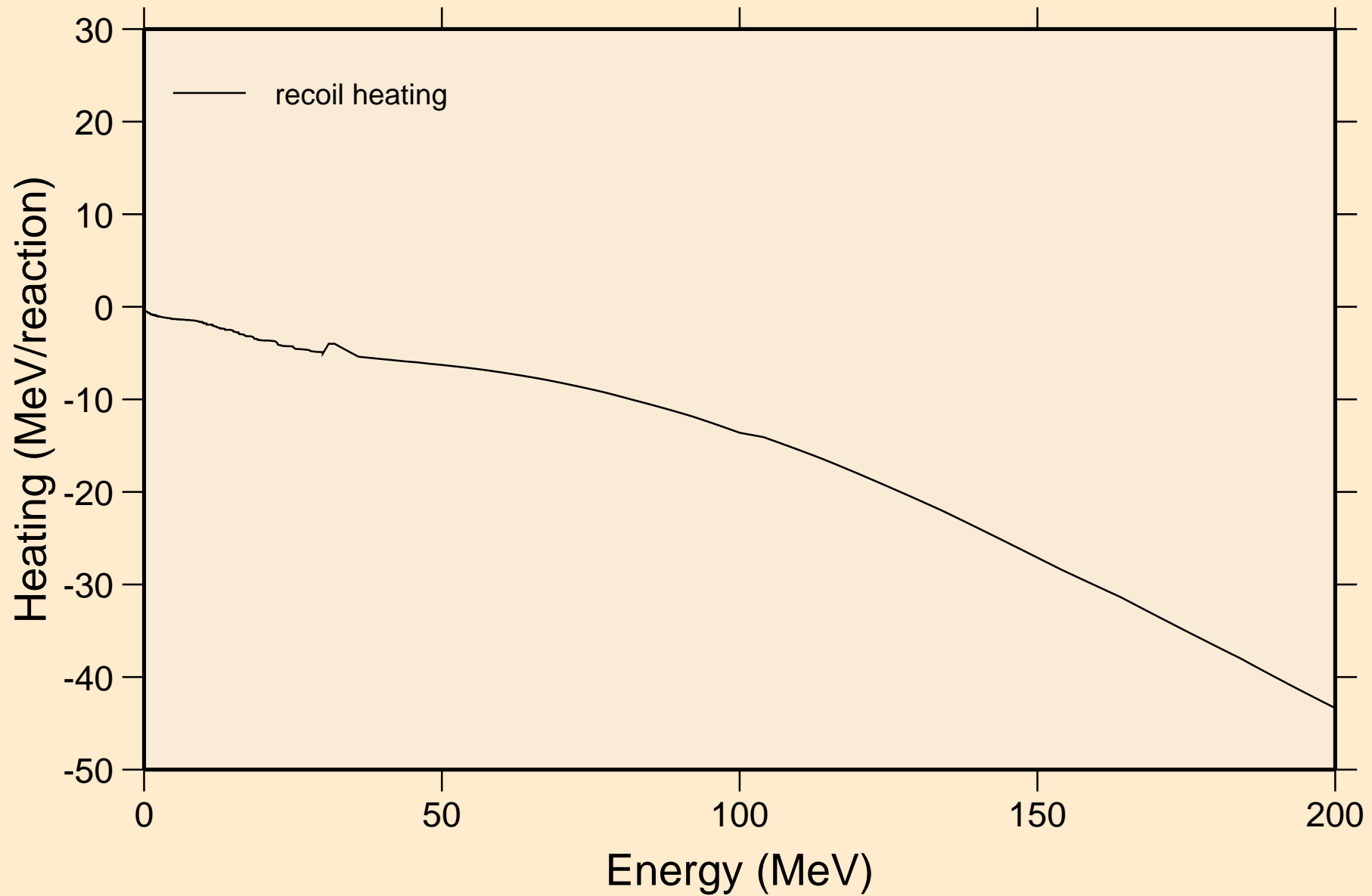
## Particle heating contributions





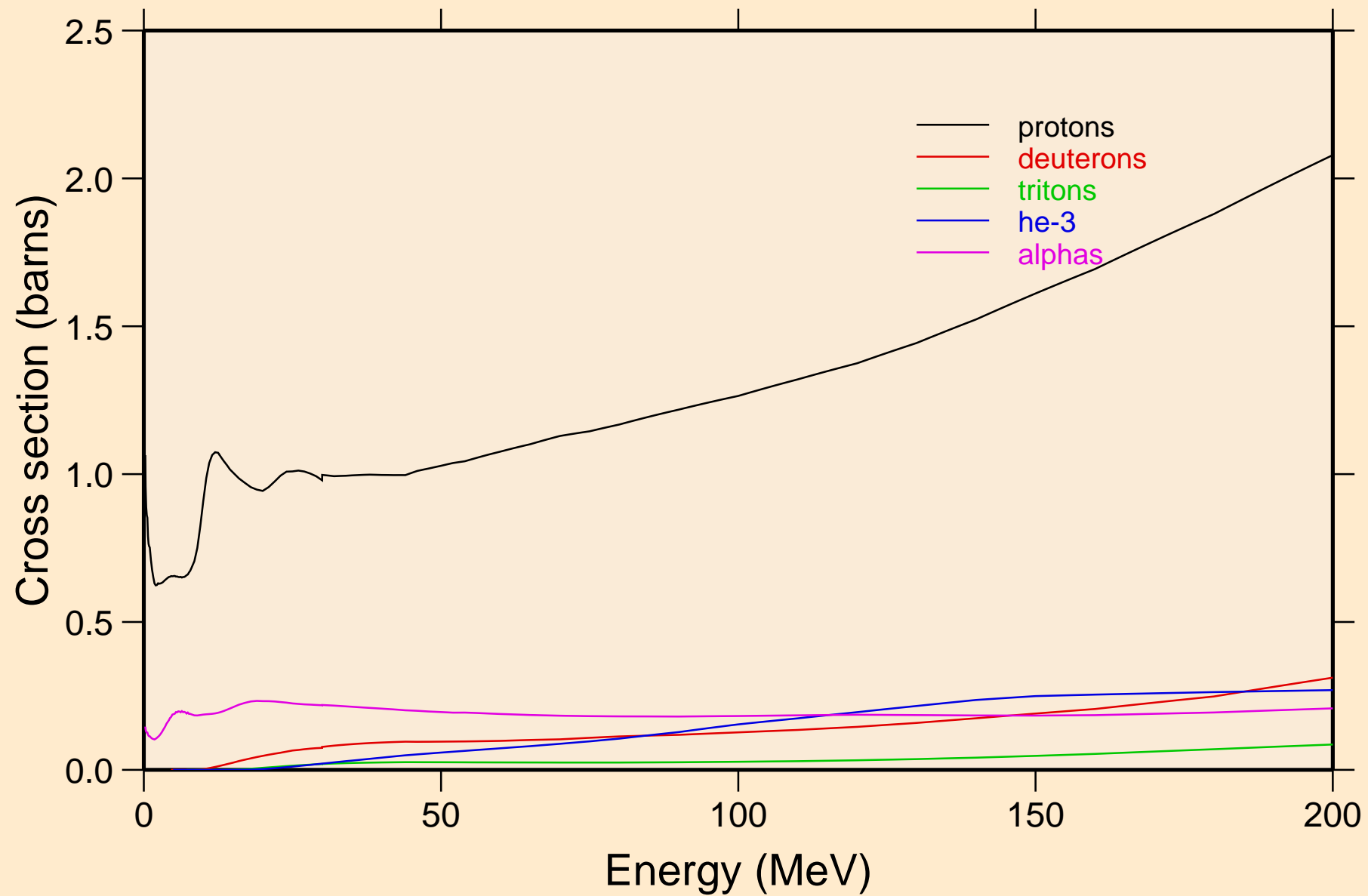
# ZN063 NRG TENDL-2015, AKONING

## Recoil Heating

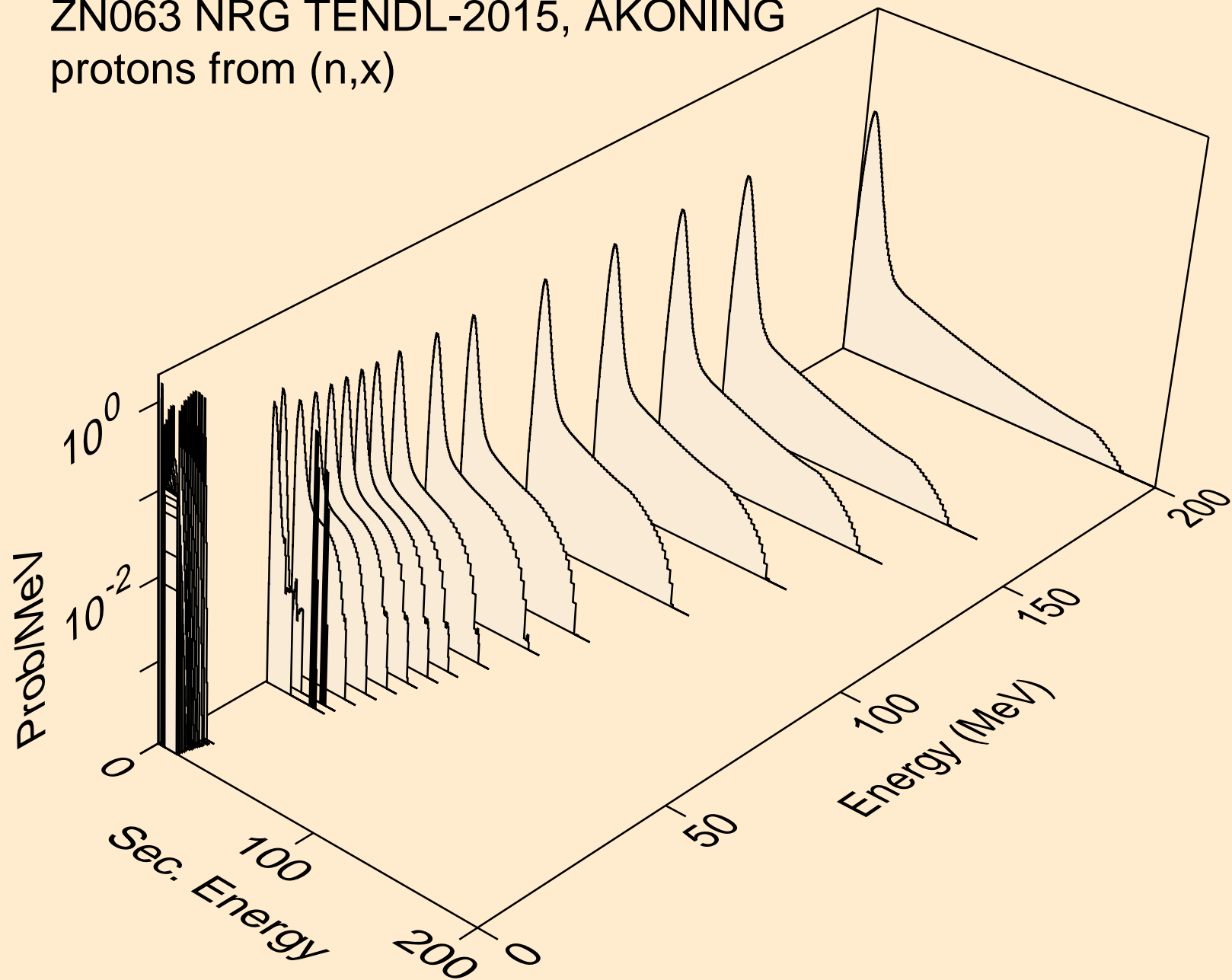


# ZN063 NRG TENDL-2015, AKONING

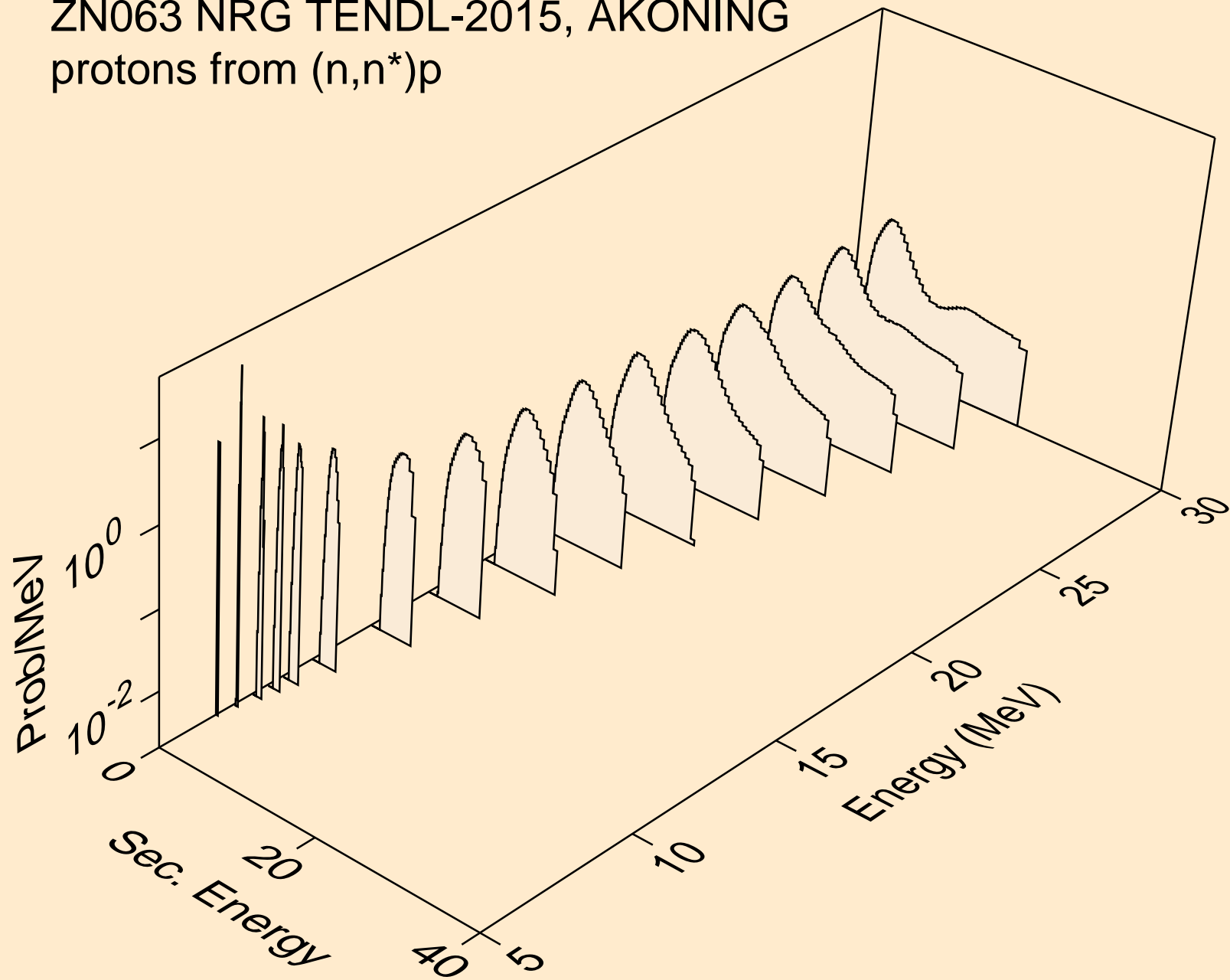
## Particle production cross sections



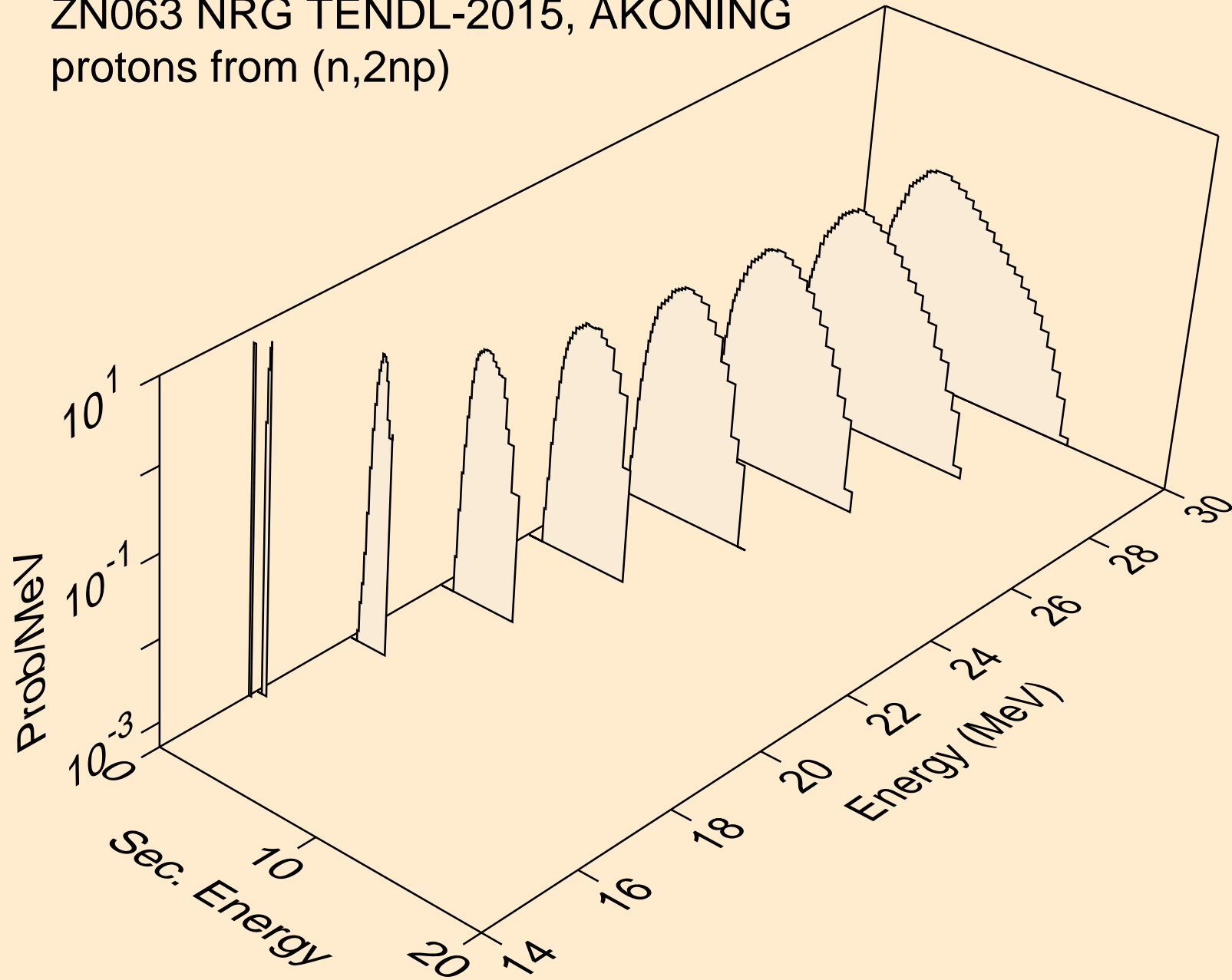
ZN063 NRG TENDL-2015, AKONING  
protons from (n,x)



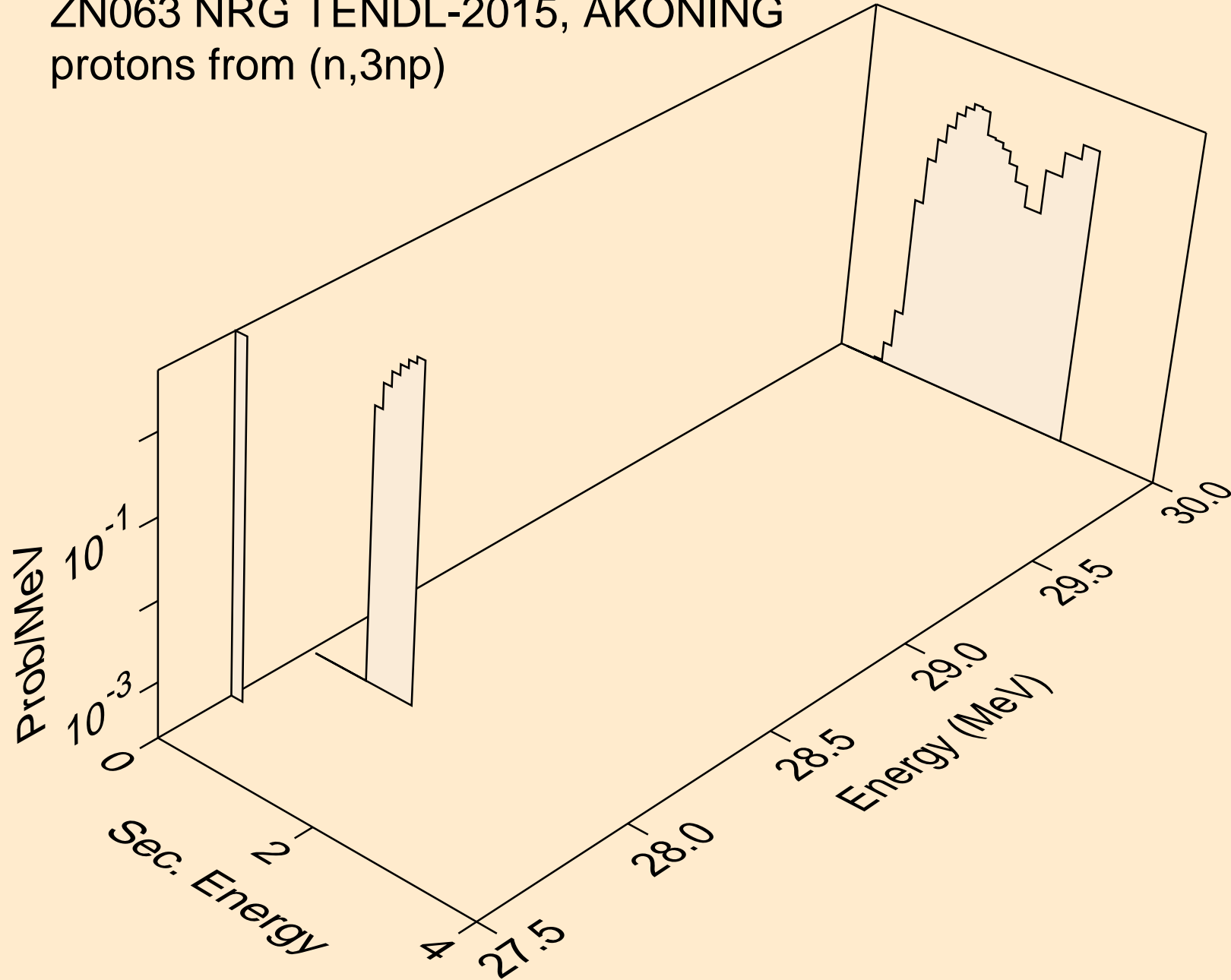
ZN063 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



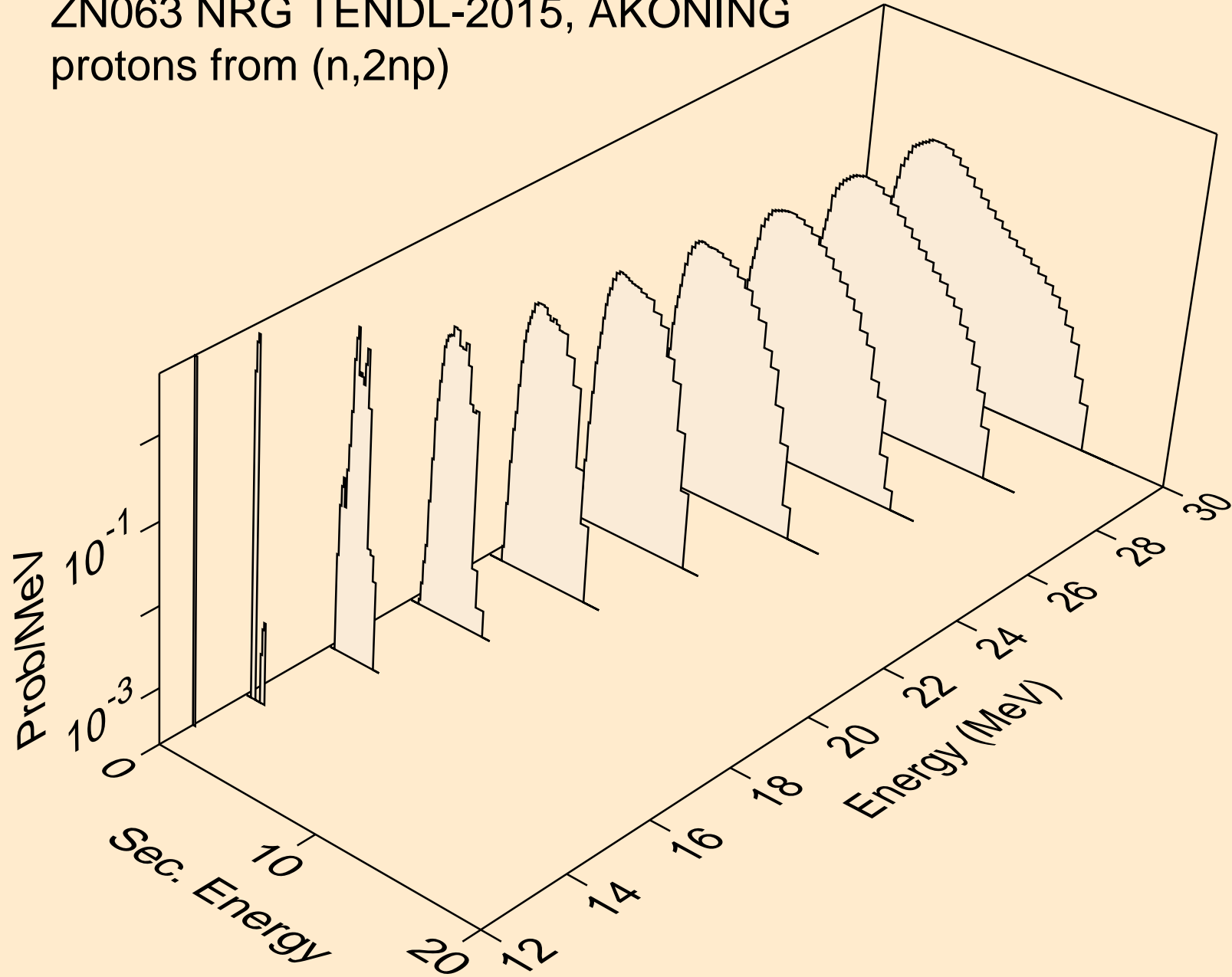
ZN063 NRG TENDL-2015, AKONING  
protons from (n,2np)



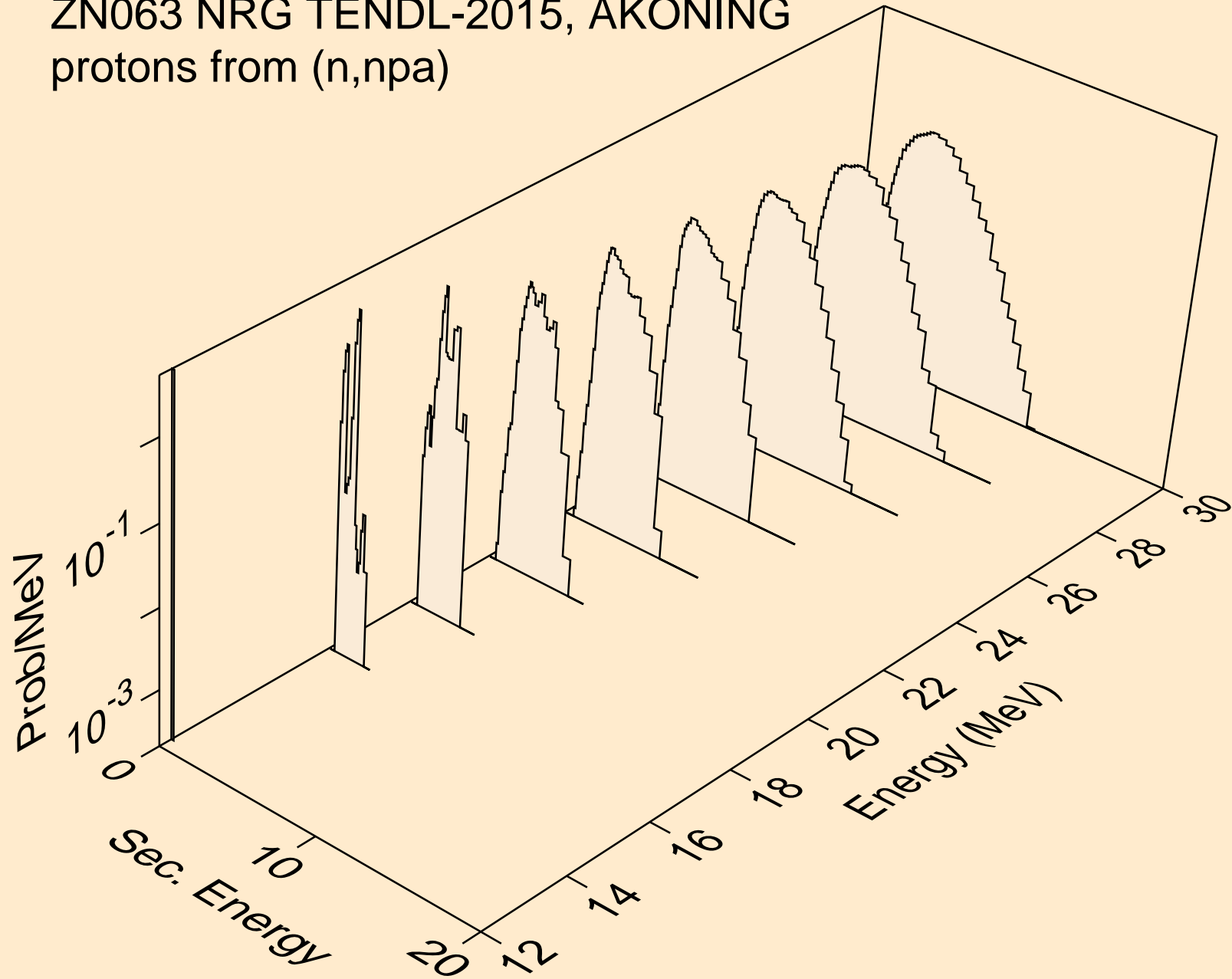
ZN063 NRG TENDL-2015, AKONING  
protons from (n,3np)



ZN063 NRG TENDL-2015, AKONING  
protons from (n,2np)

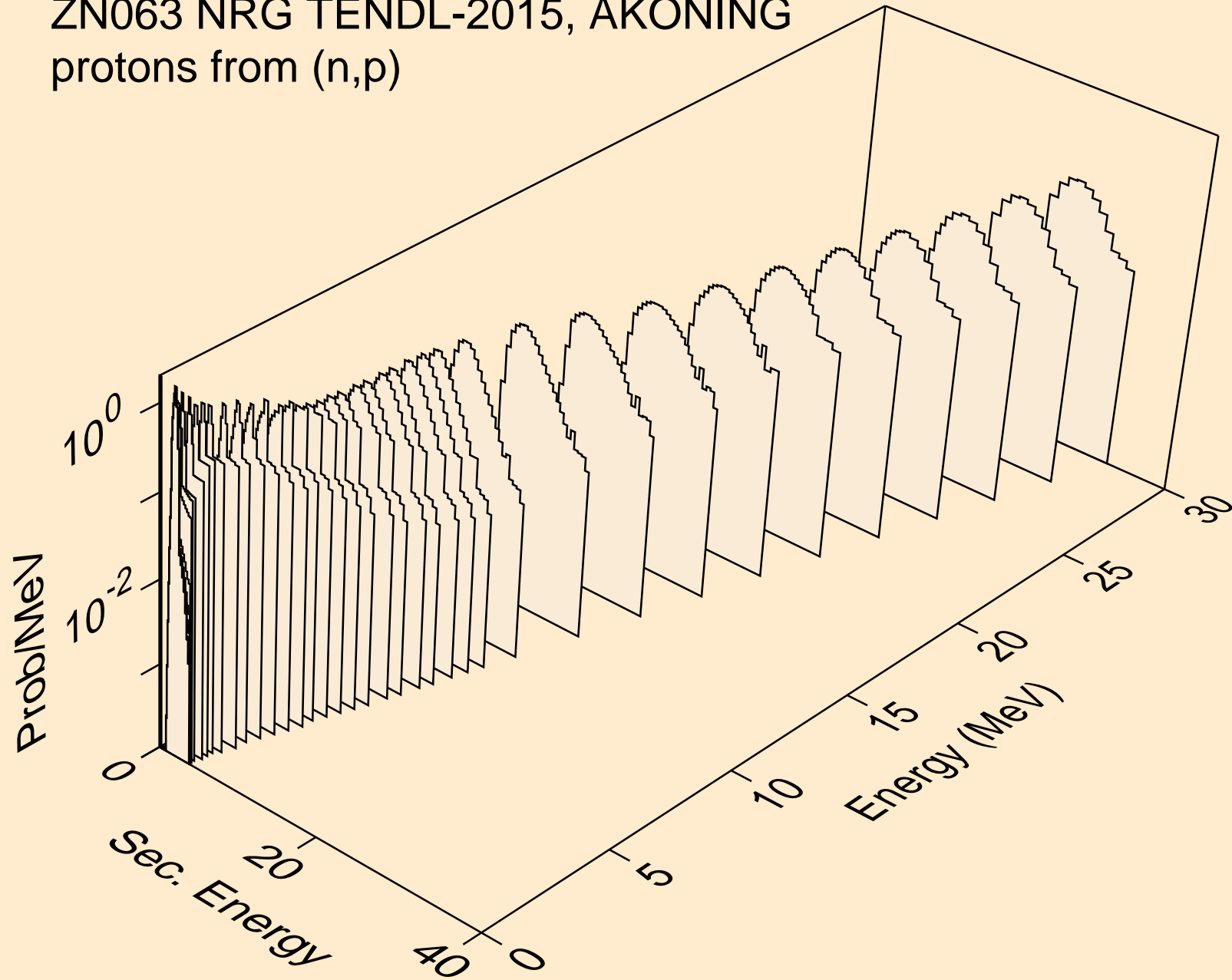


ZN063 NRG TENDL-2015, AKONING  
protons from (n,npa)

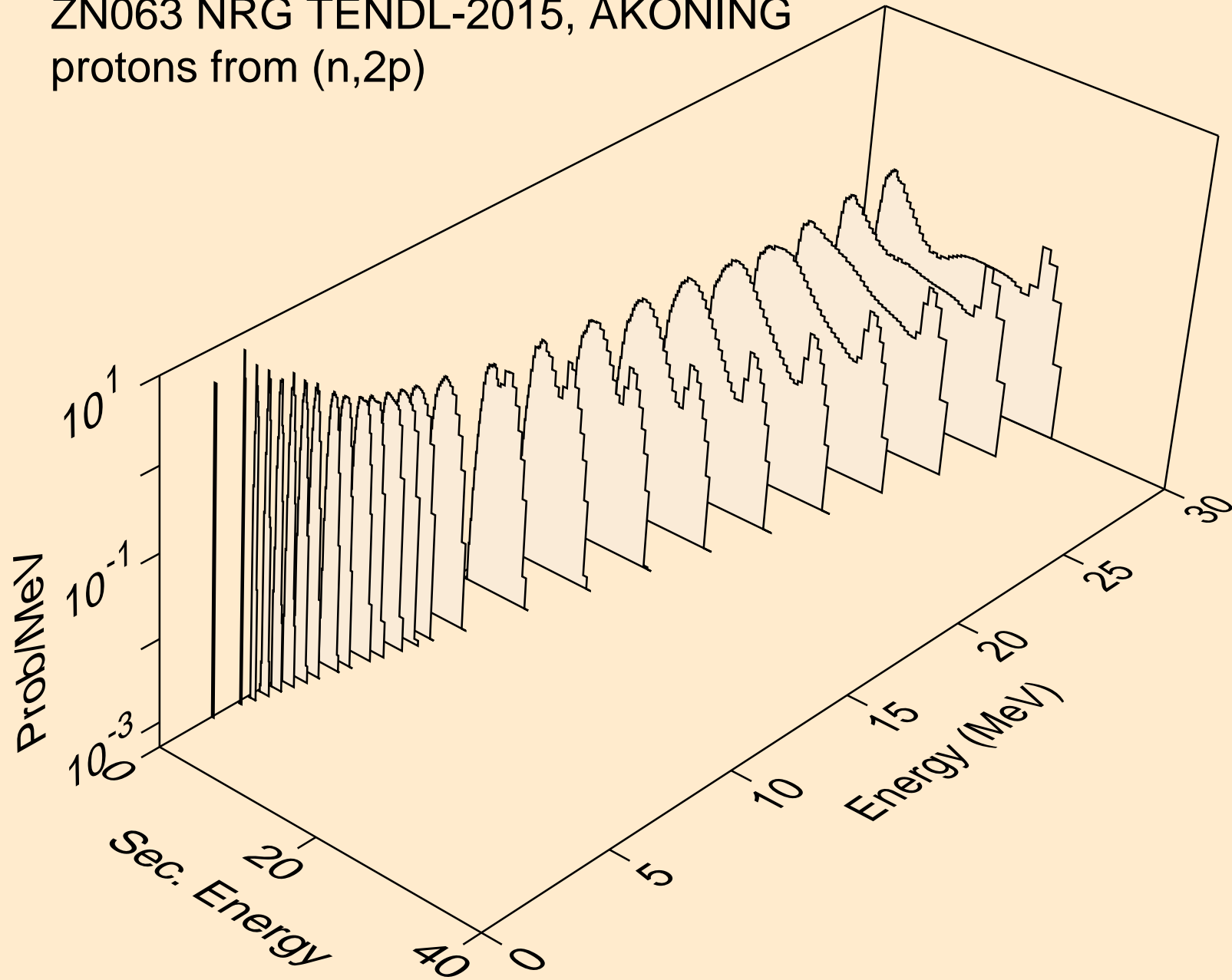




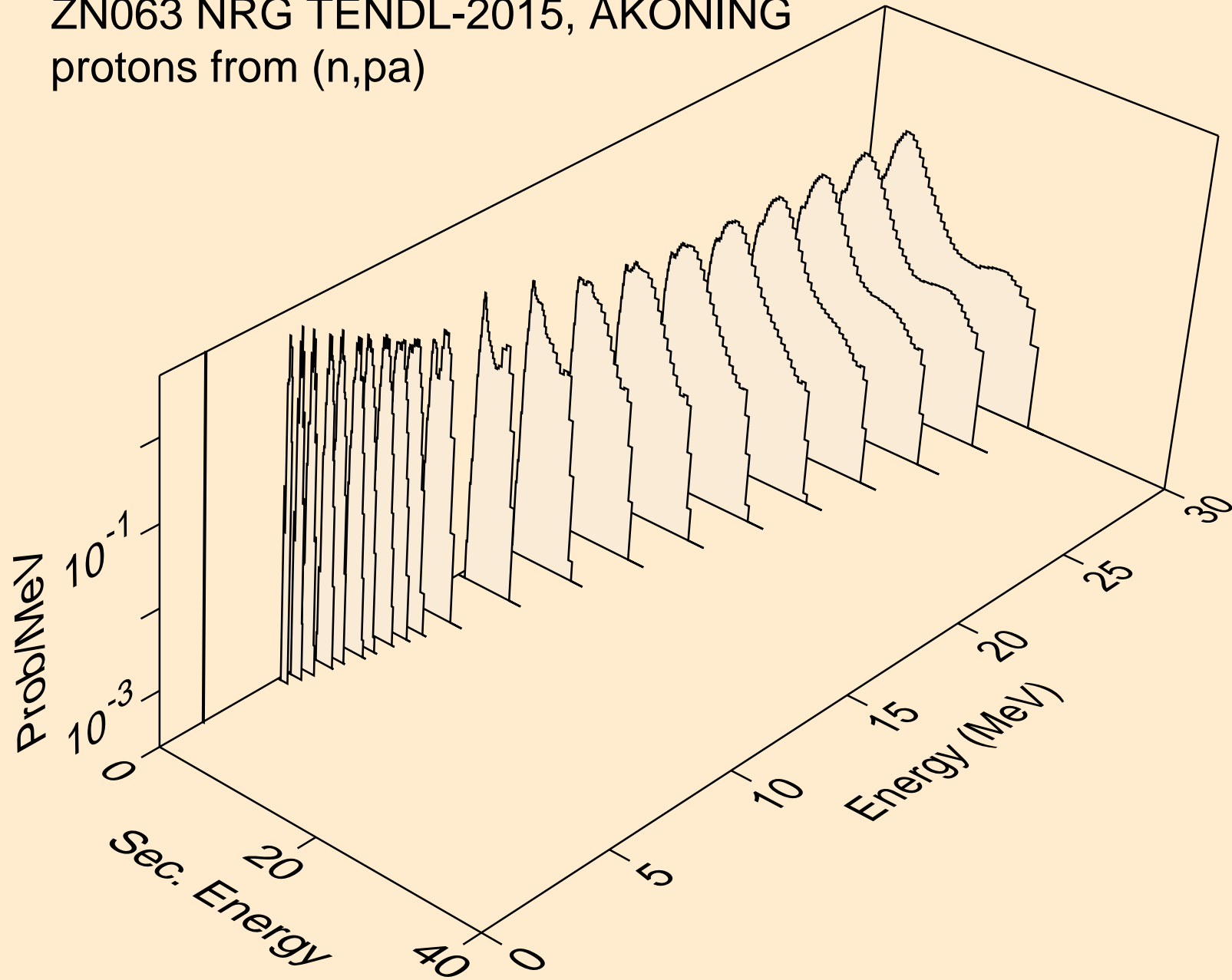
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protons from (n,p)



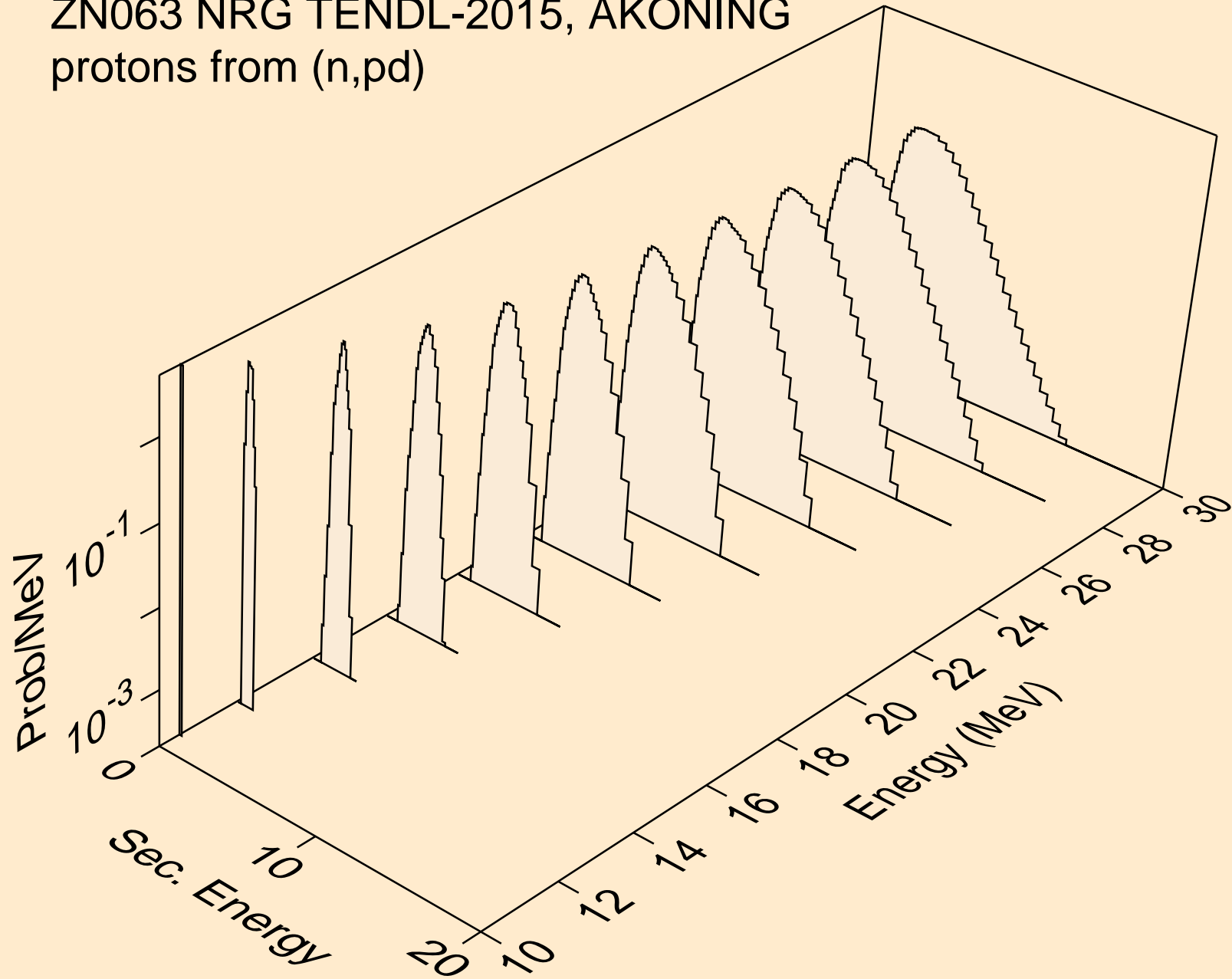
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protons from (n,2p)



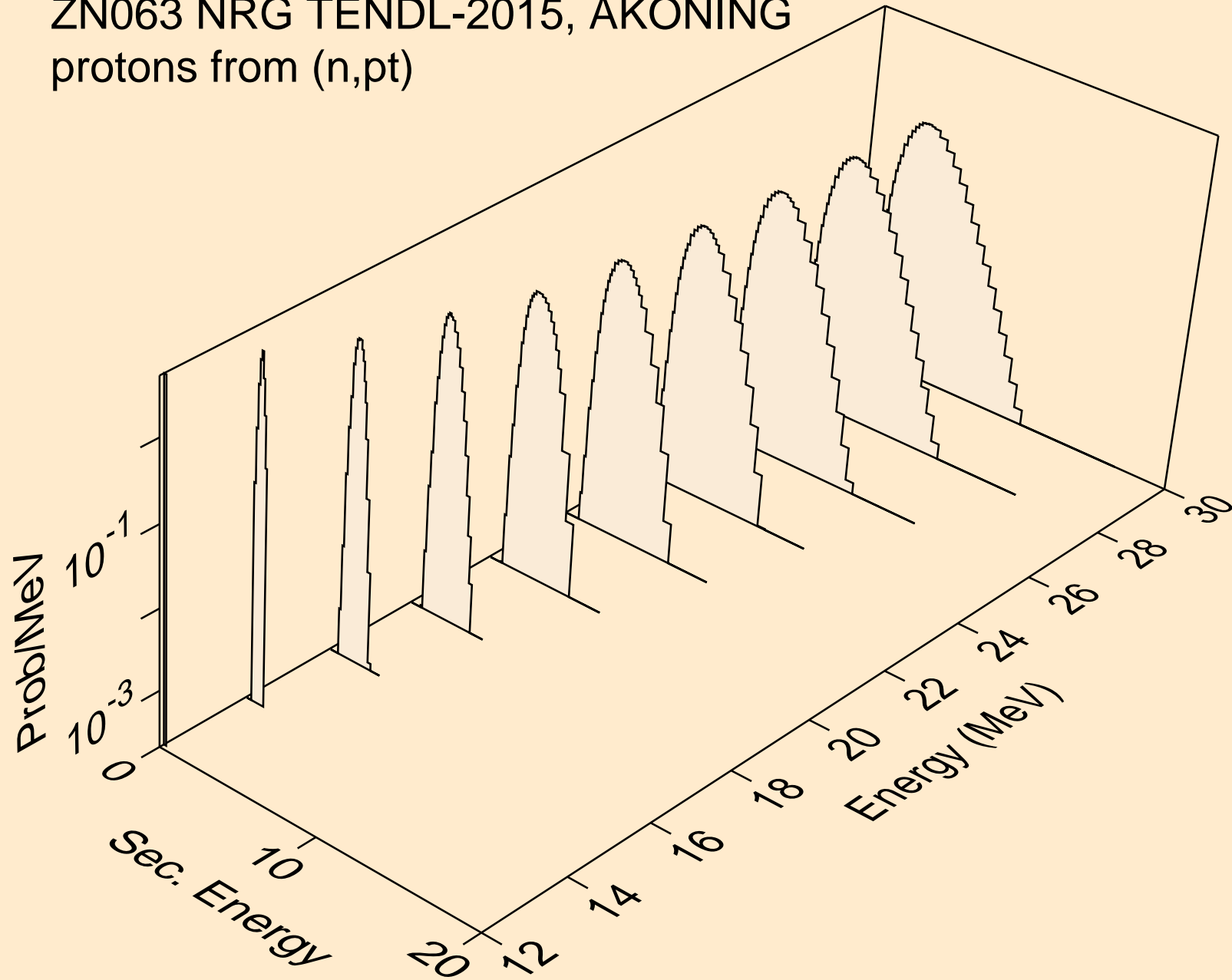
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protons from (n,pa)



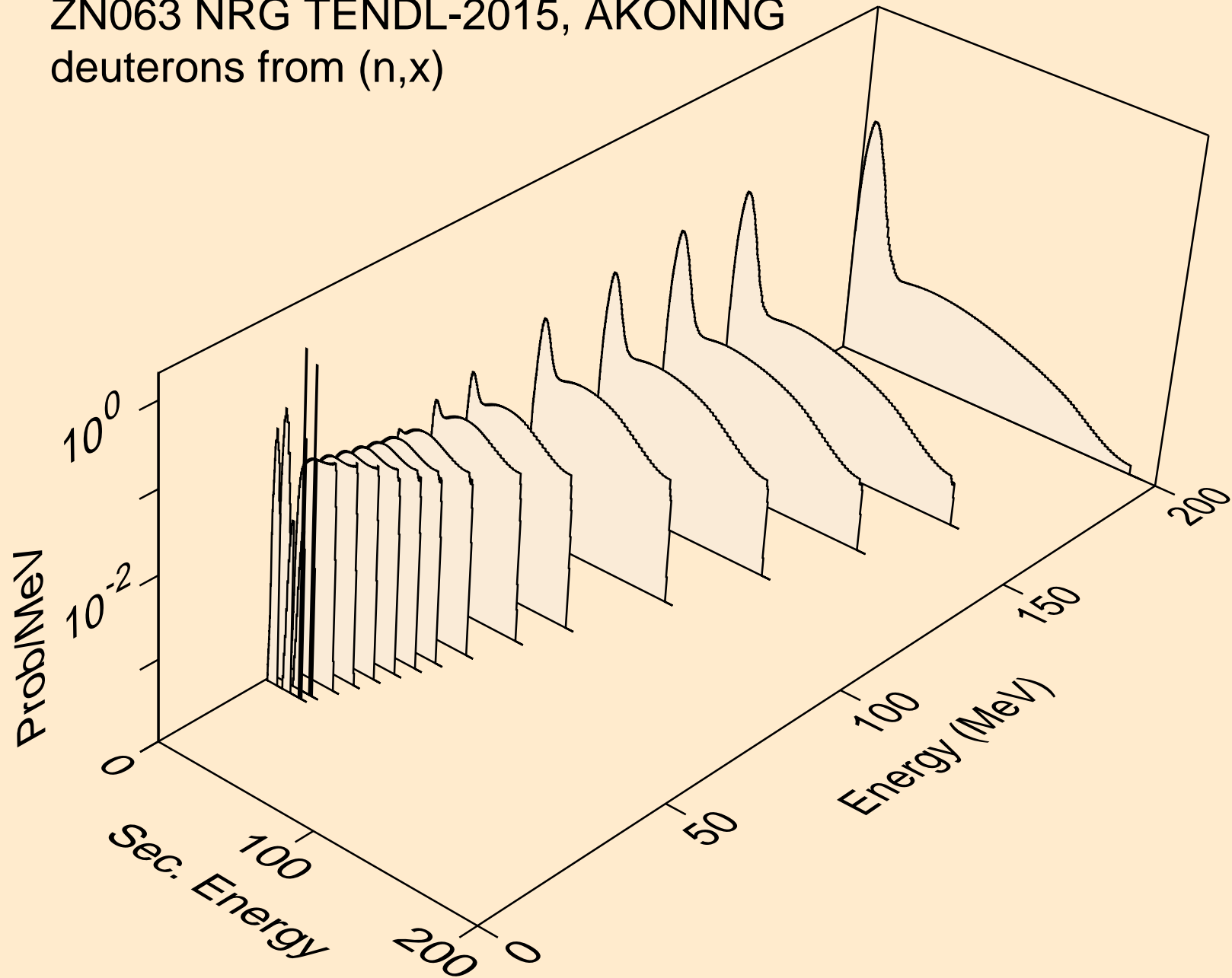
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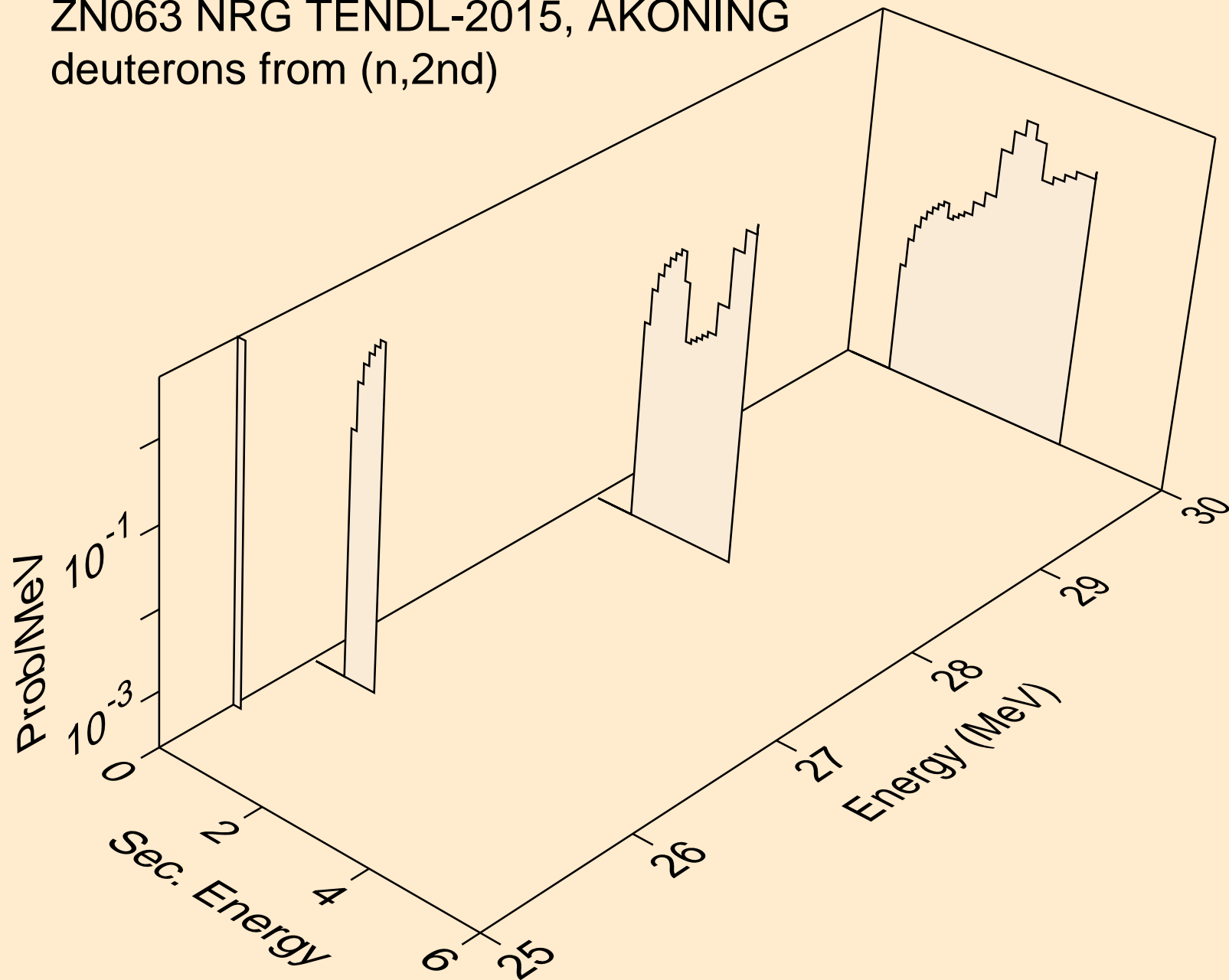
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protons from (n,pt)



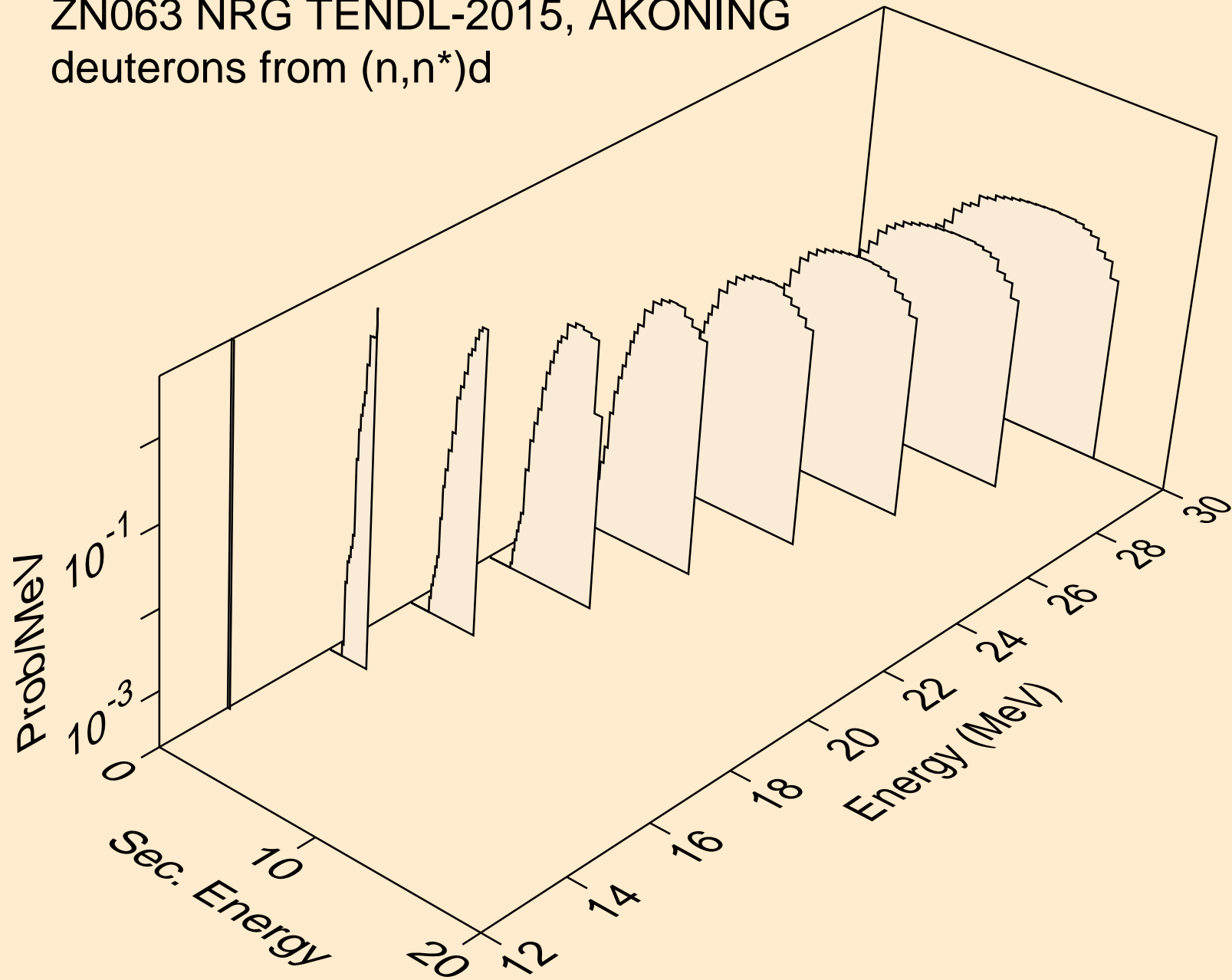
ZN063 NRG TENDL-2015, AKONING  
deuterons from (n,x)



ZN063 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

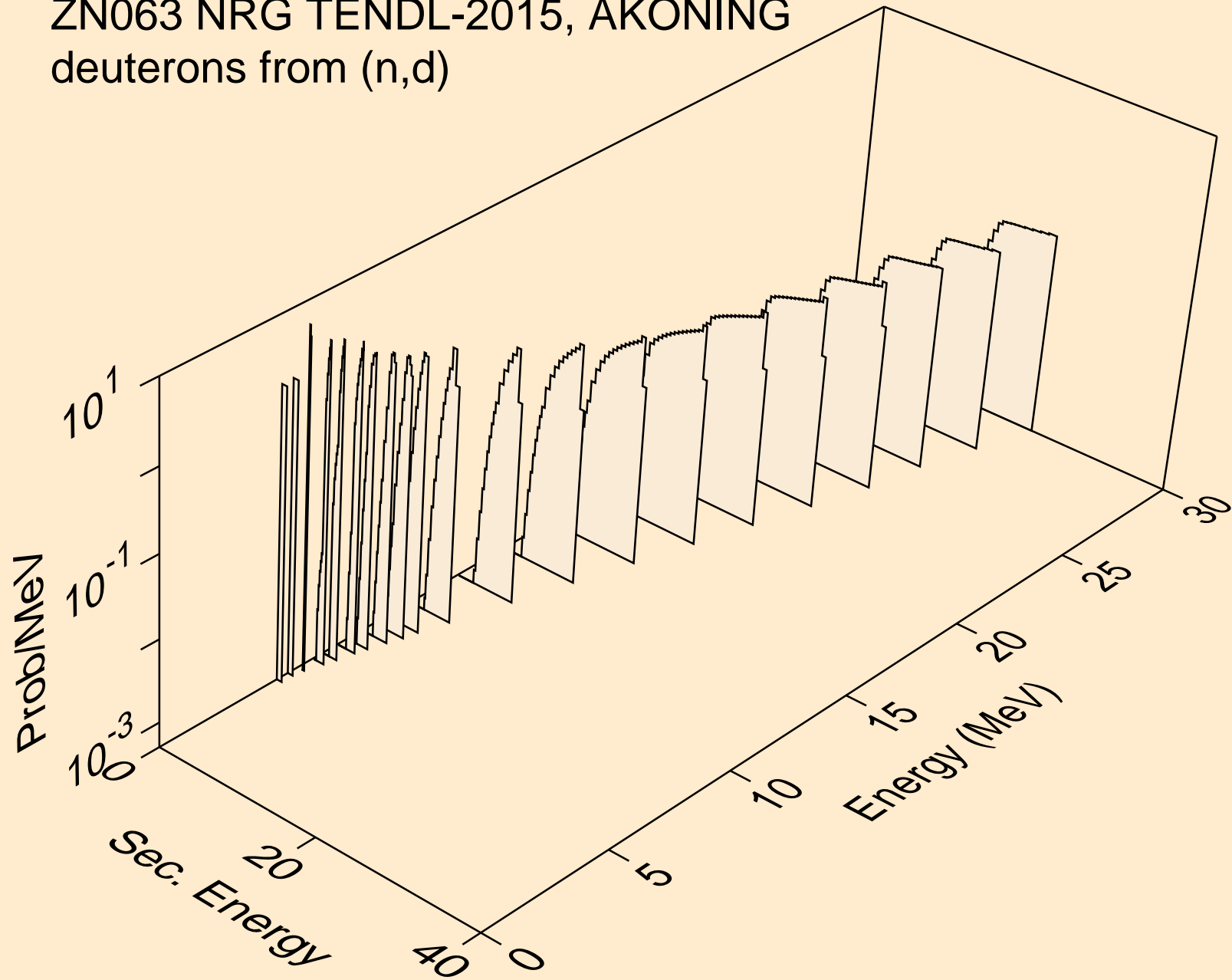


ZN063 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

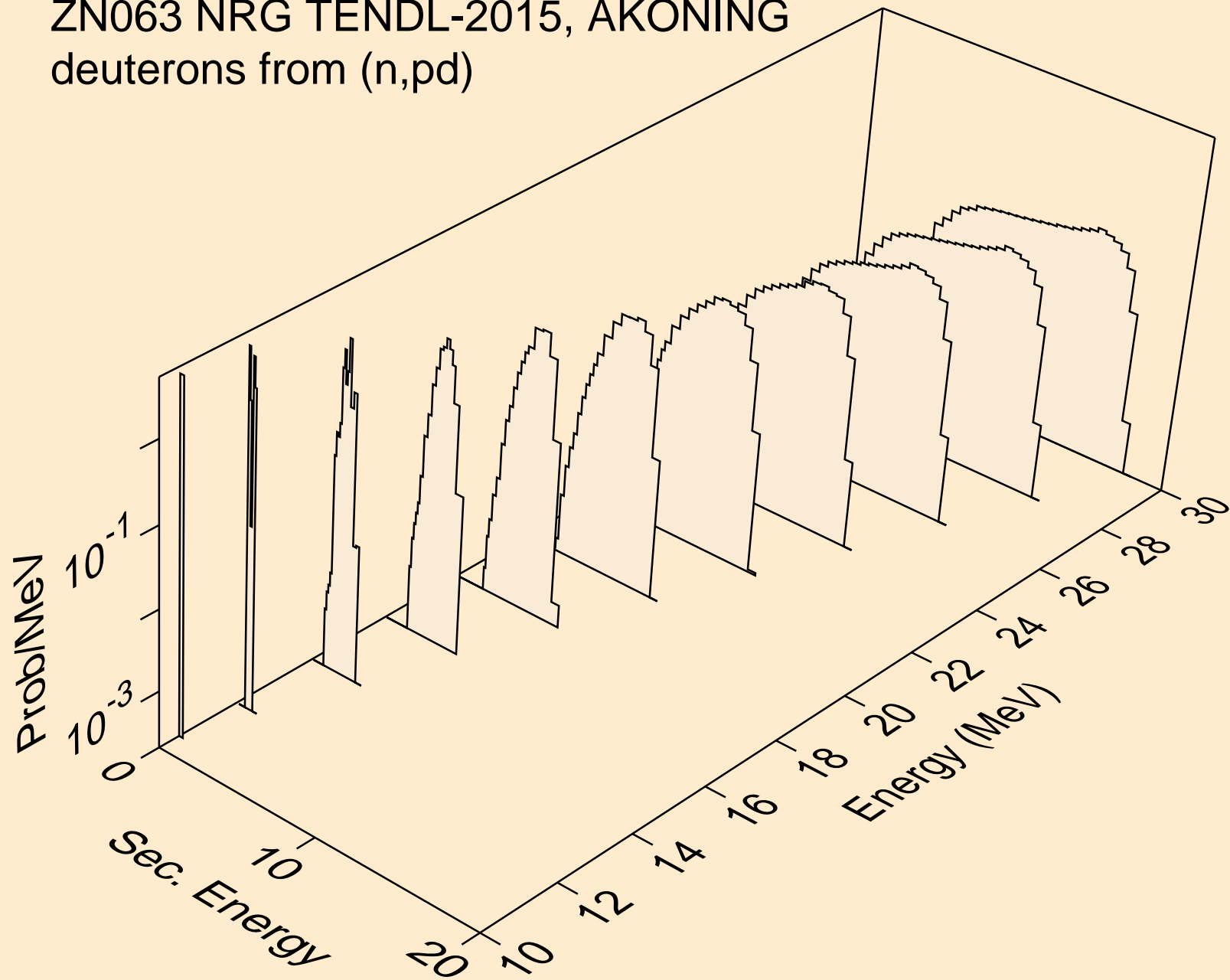




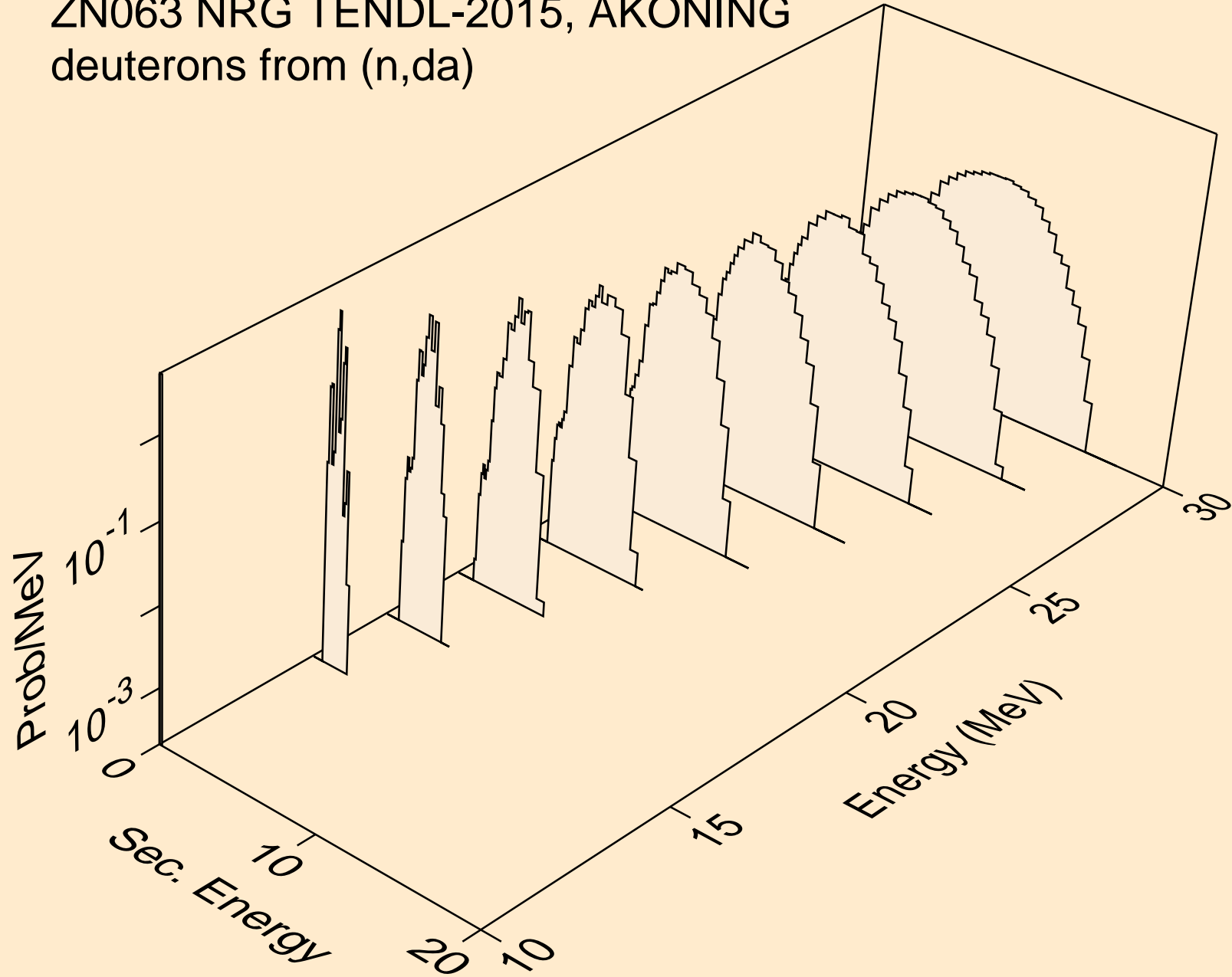
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deuterons from (n,d)



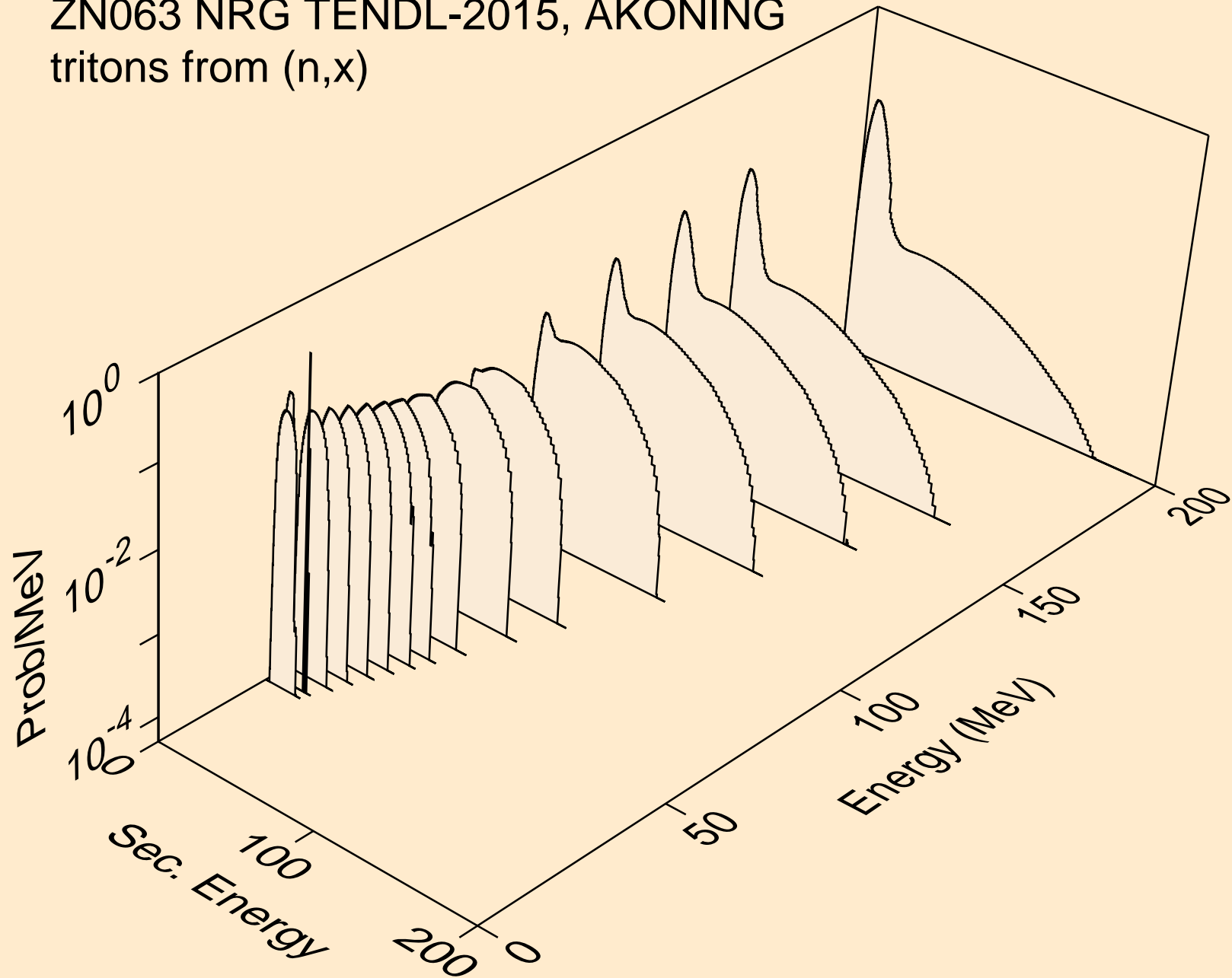
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deuterons from (n,pd)



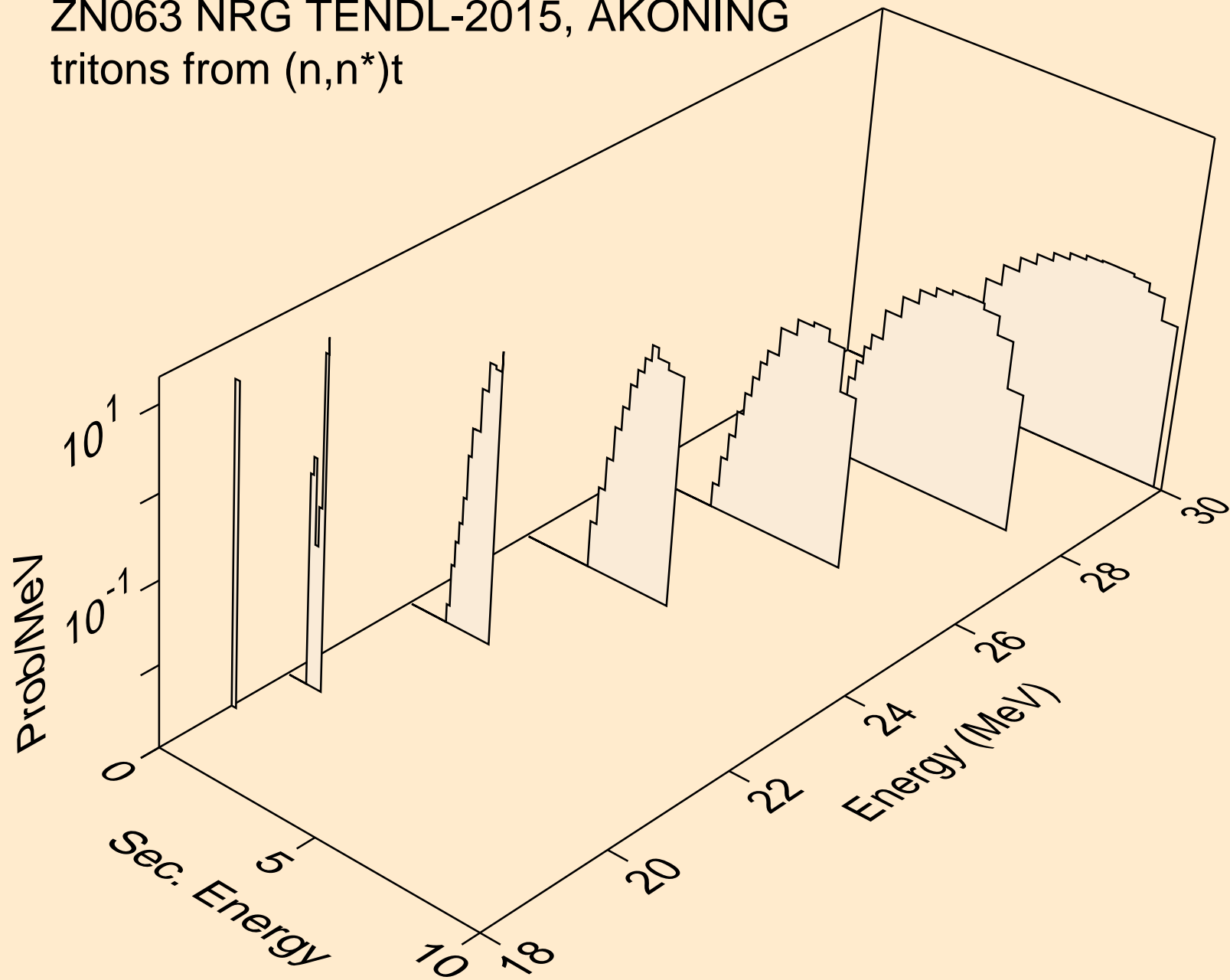
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deuterons from (n,da)



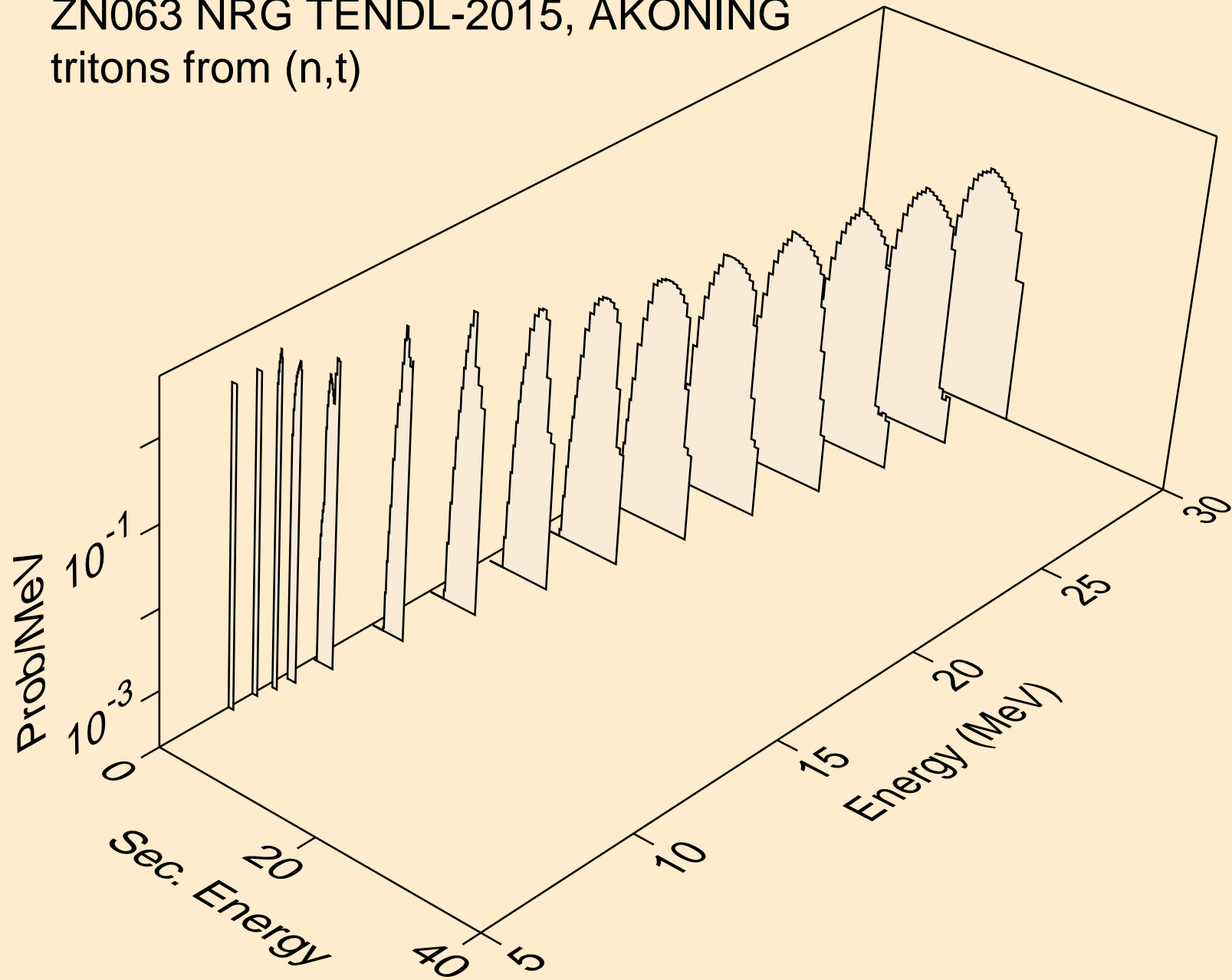
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tritons from (n,x)



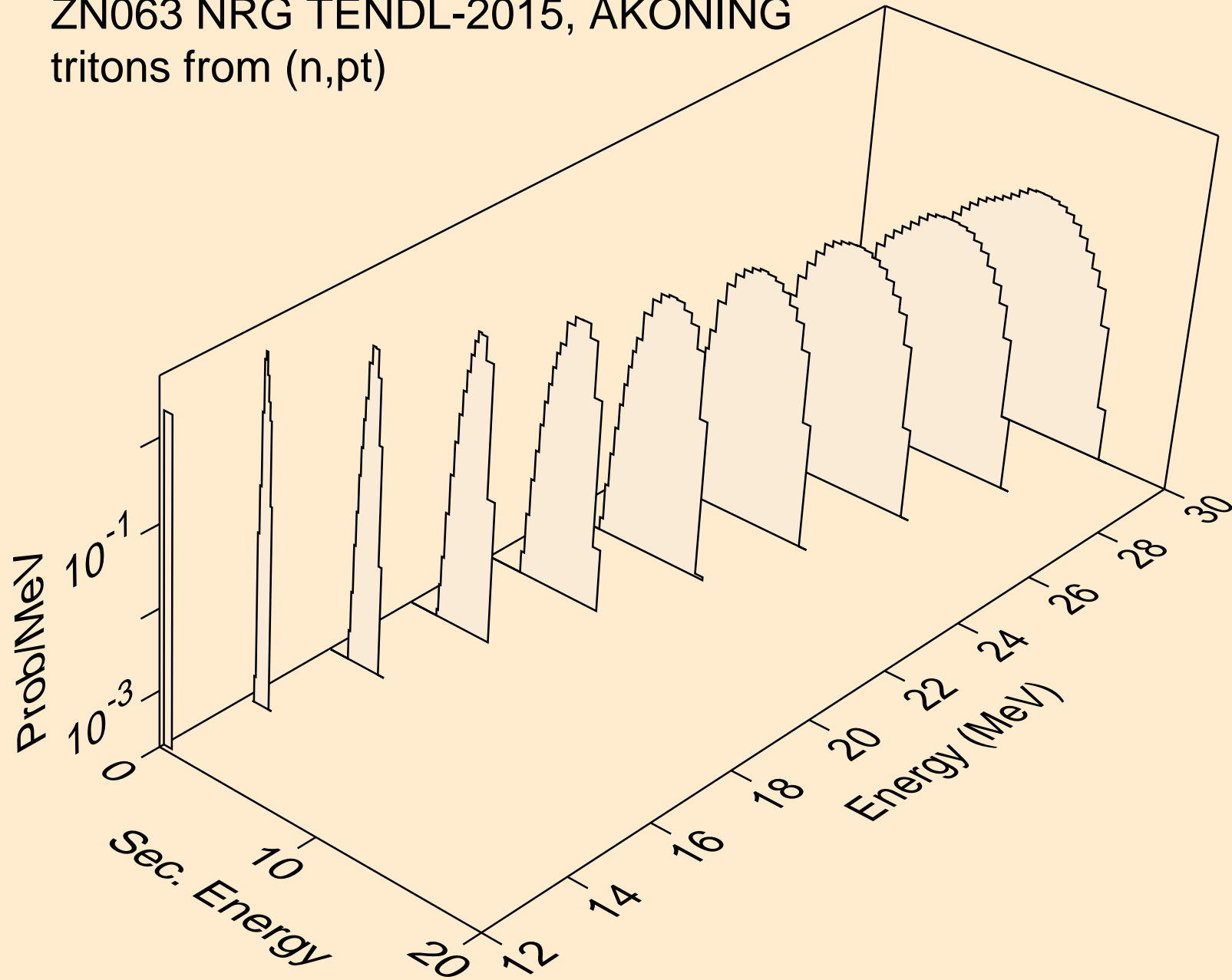
ZN063 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



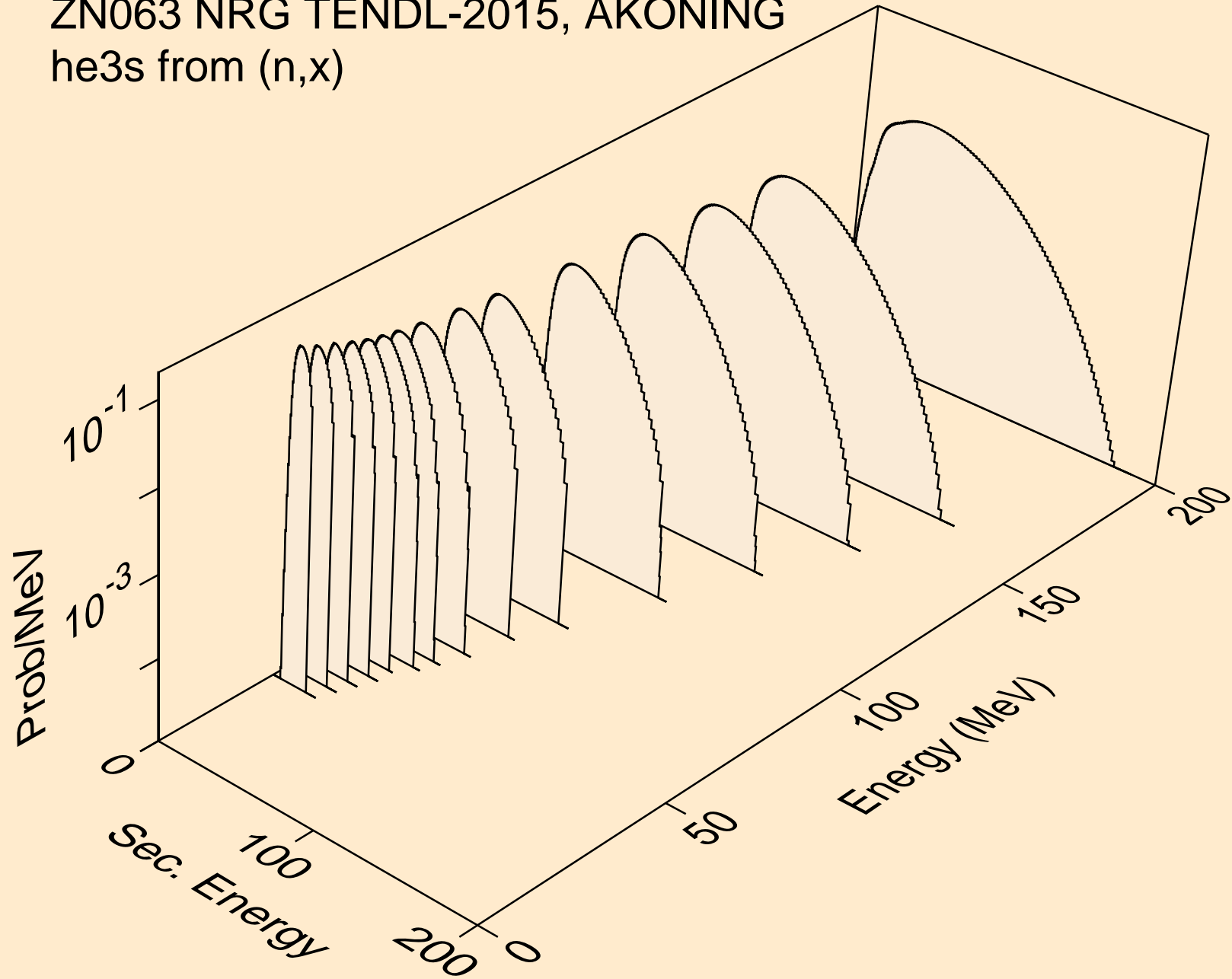
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tritons from (n,t)



ZN063 NRG TENDL-2015, AKONING  
tritons from (n,pt)

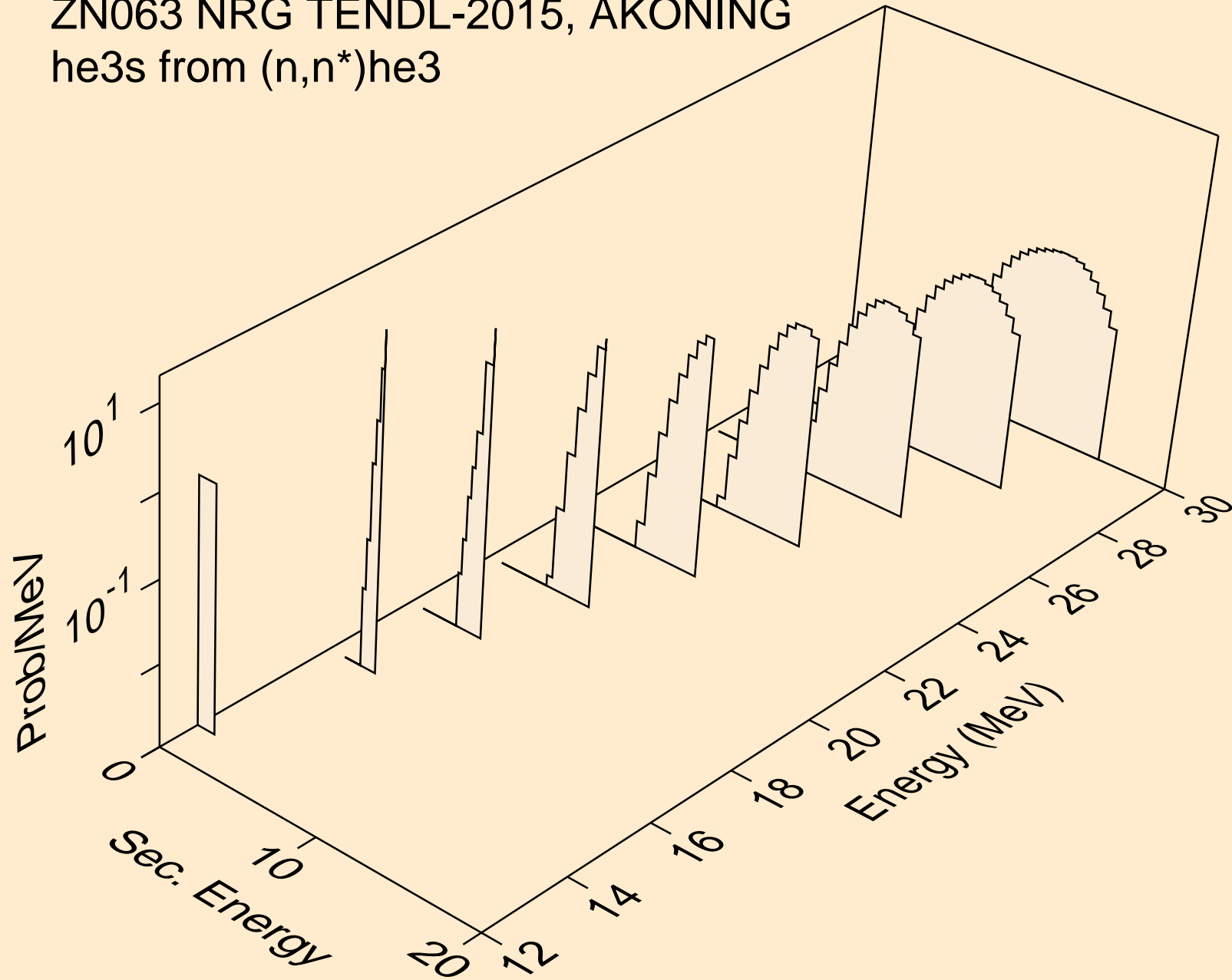


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he3s from (n,x)

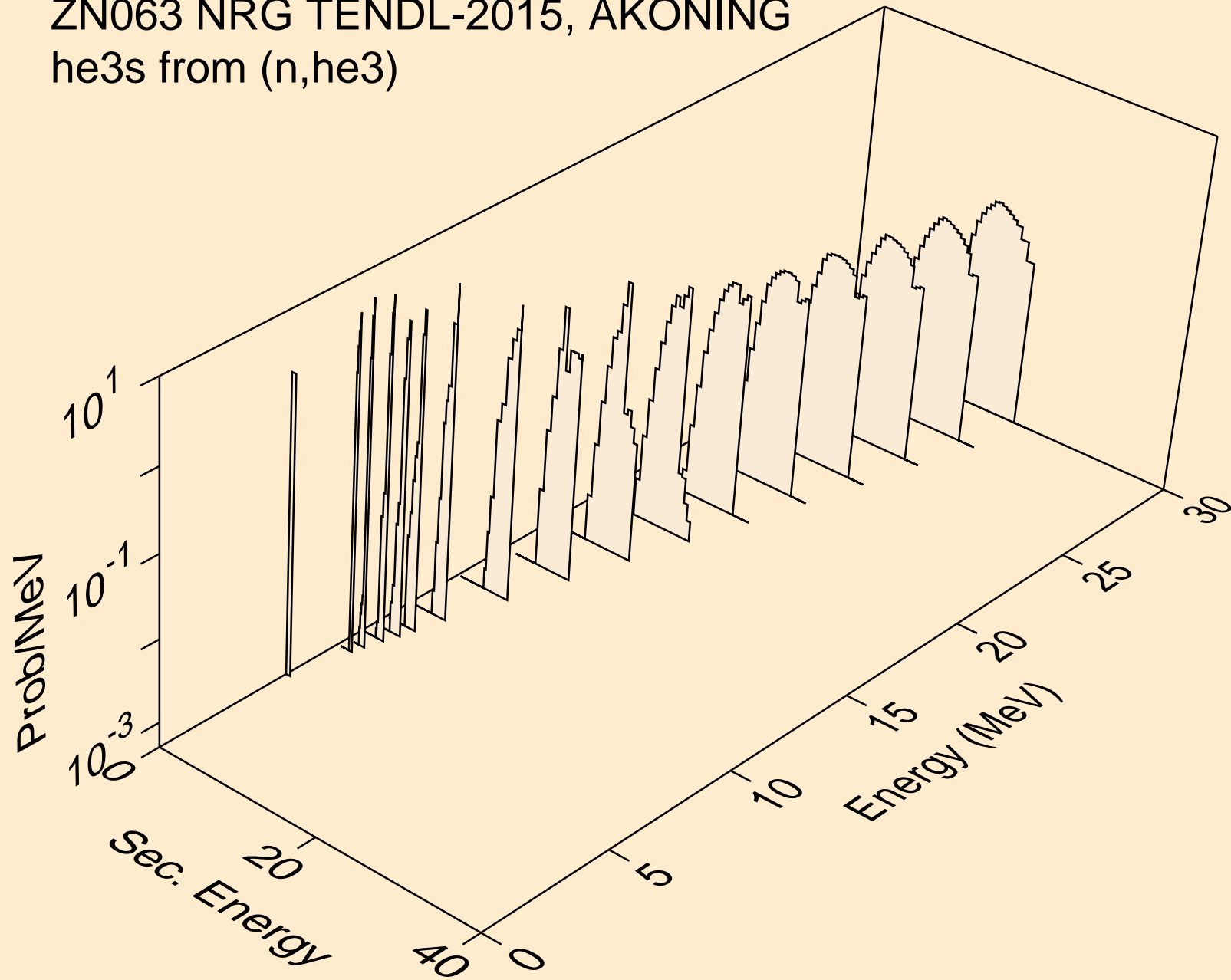




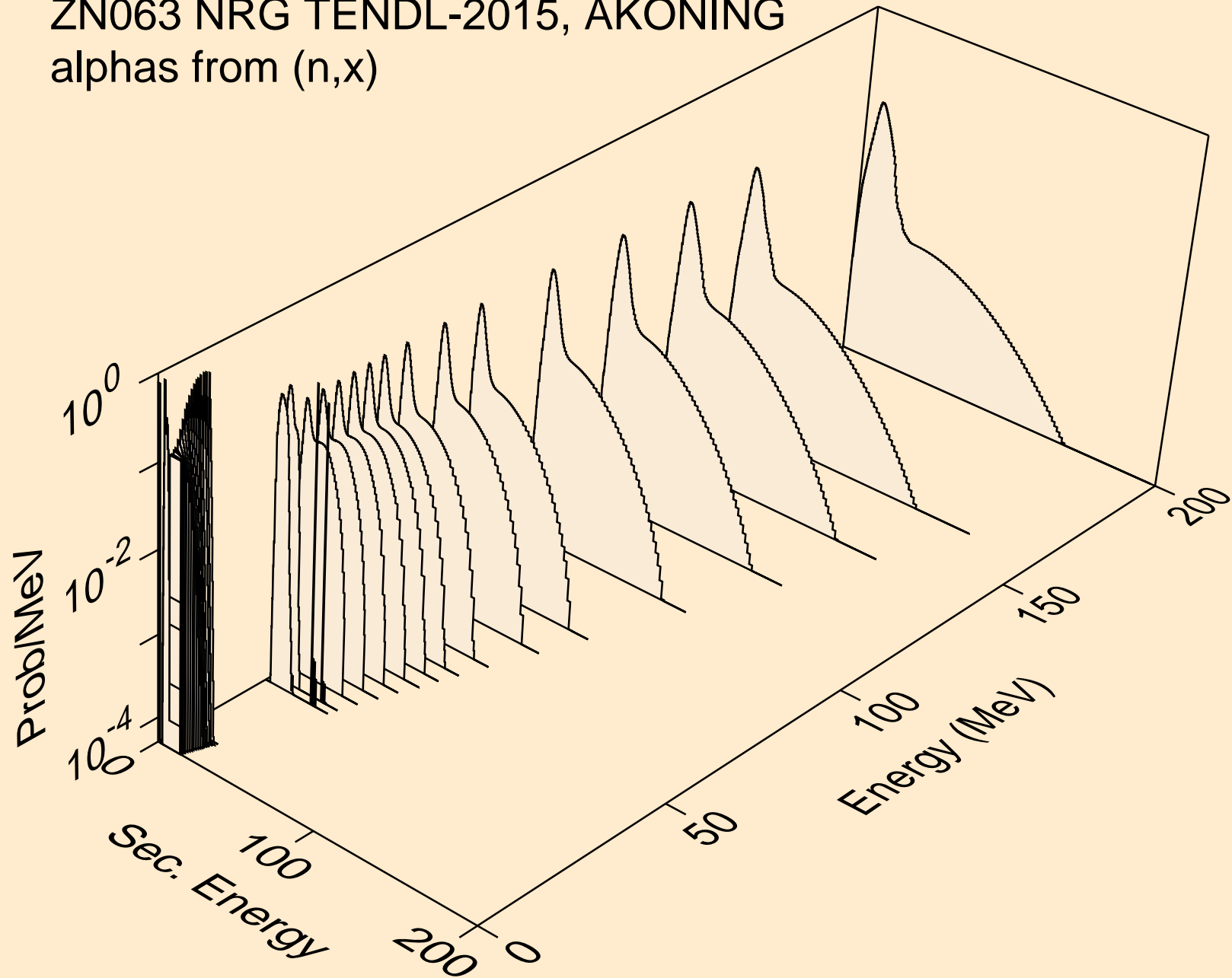
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he3s from (n,n\*)he3



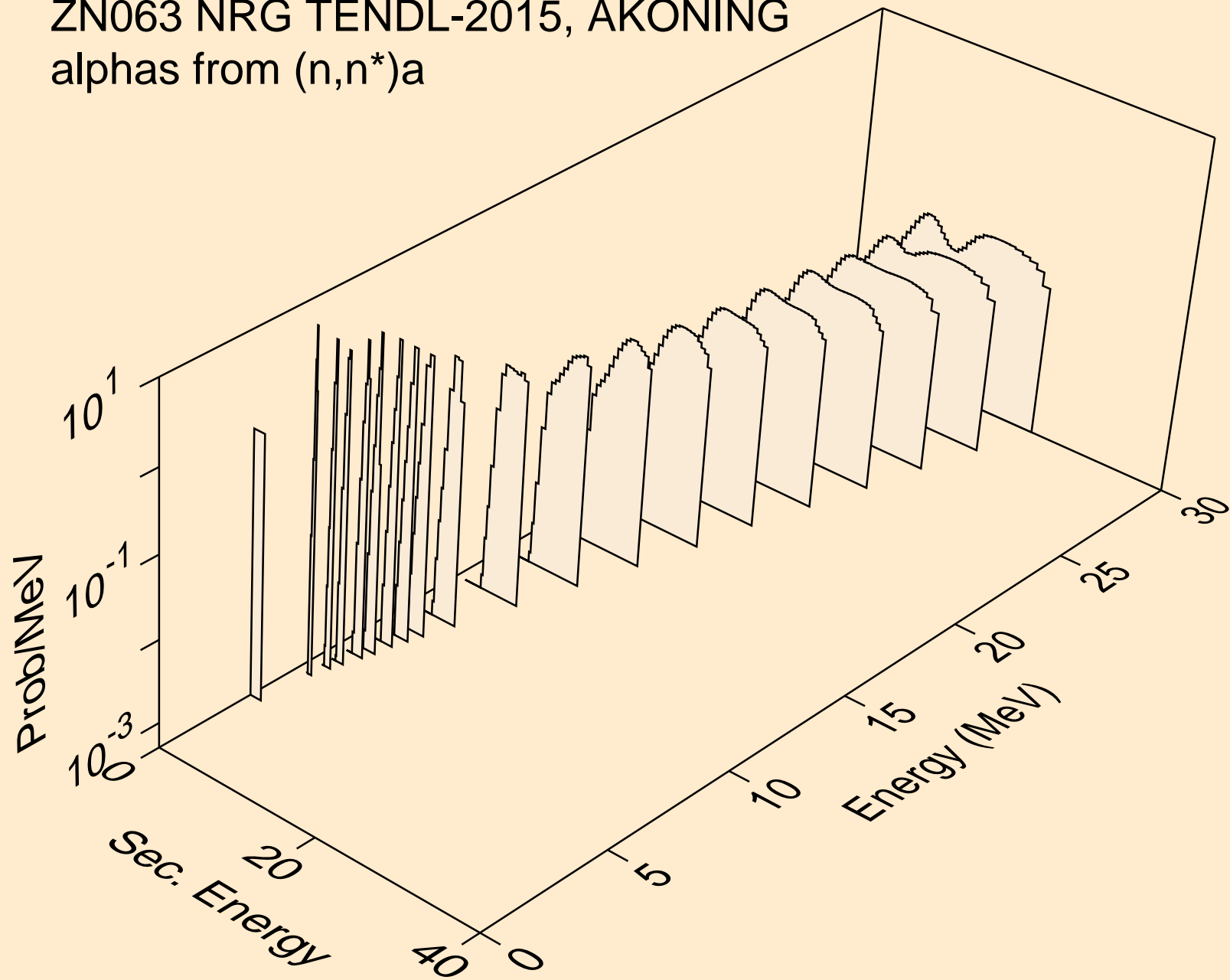
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he3s from (n,he3)



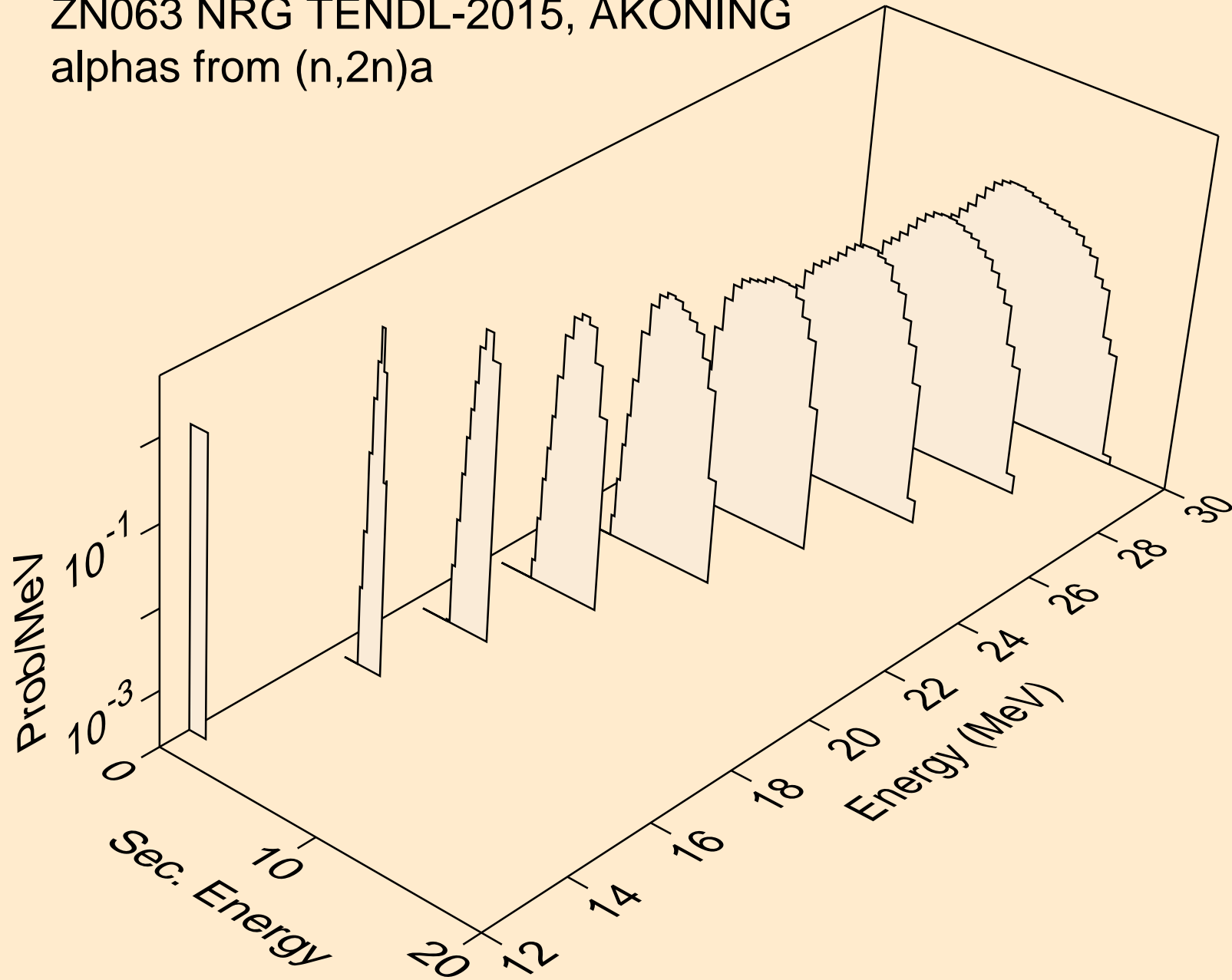
ZN063 NRG TENDL-2015, AKONING  
alphas from (n,x)



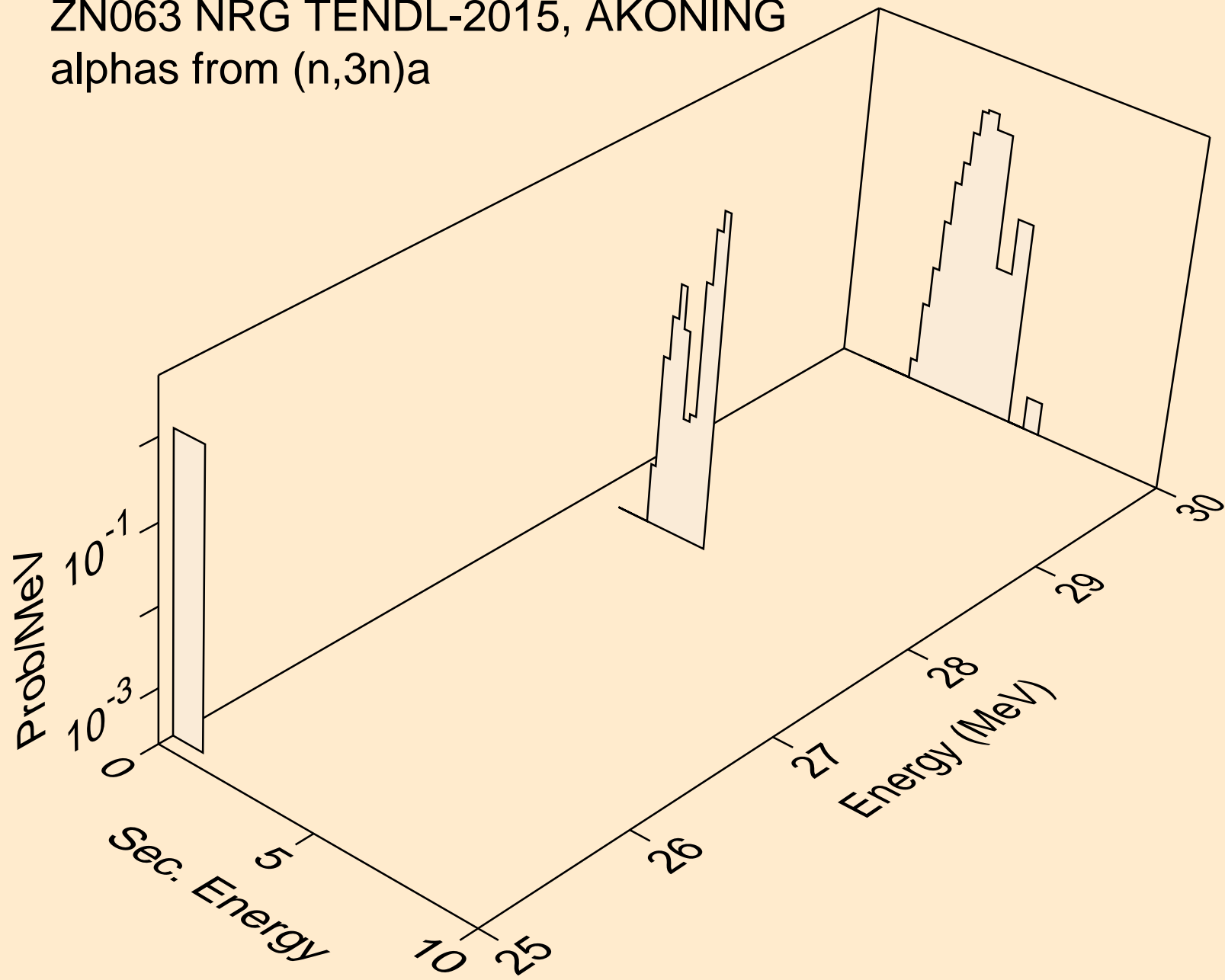
ZN063 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



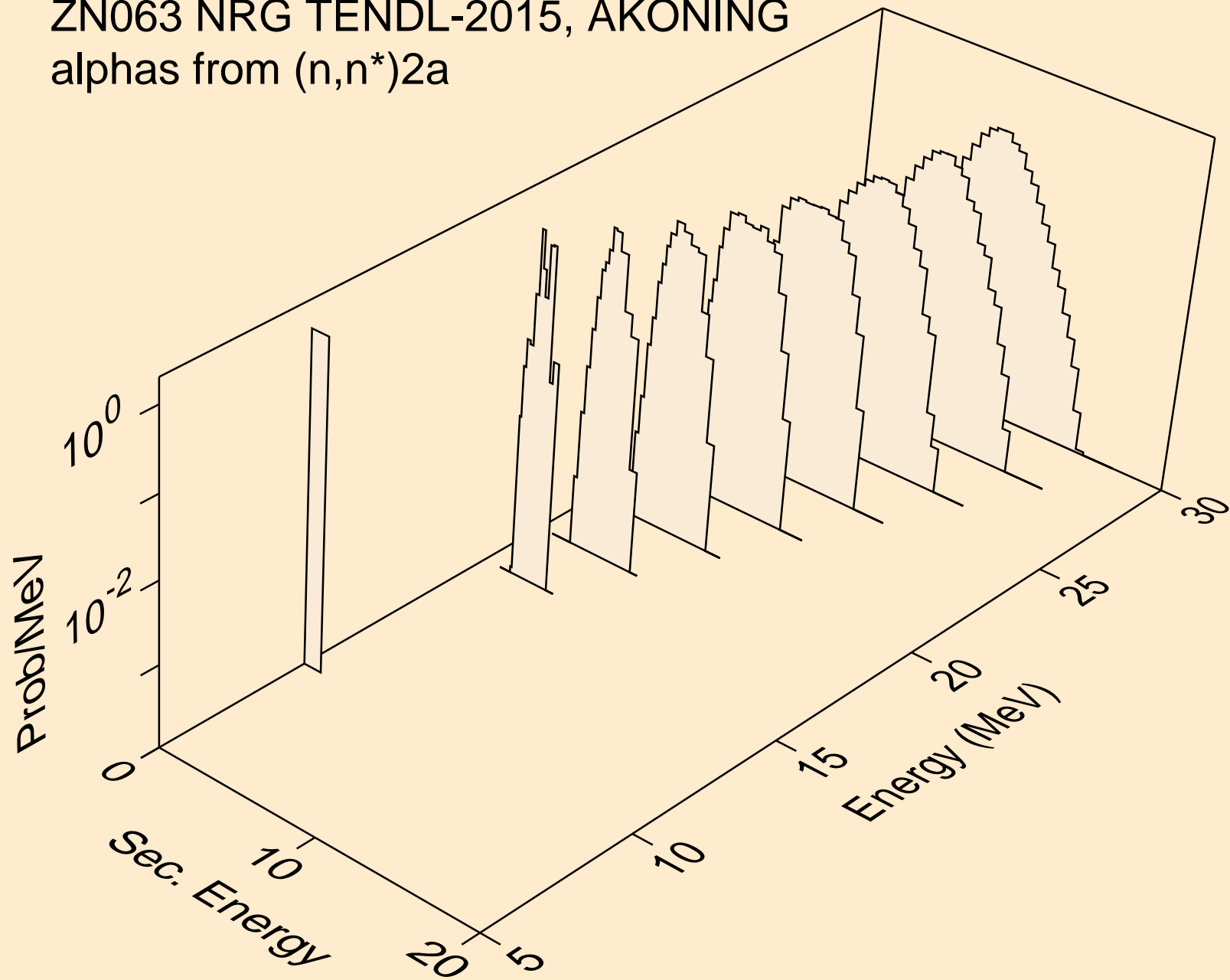
ZN063 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



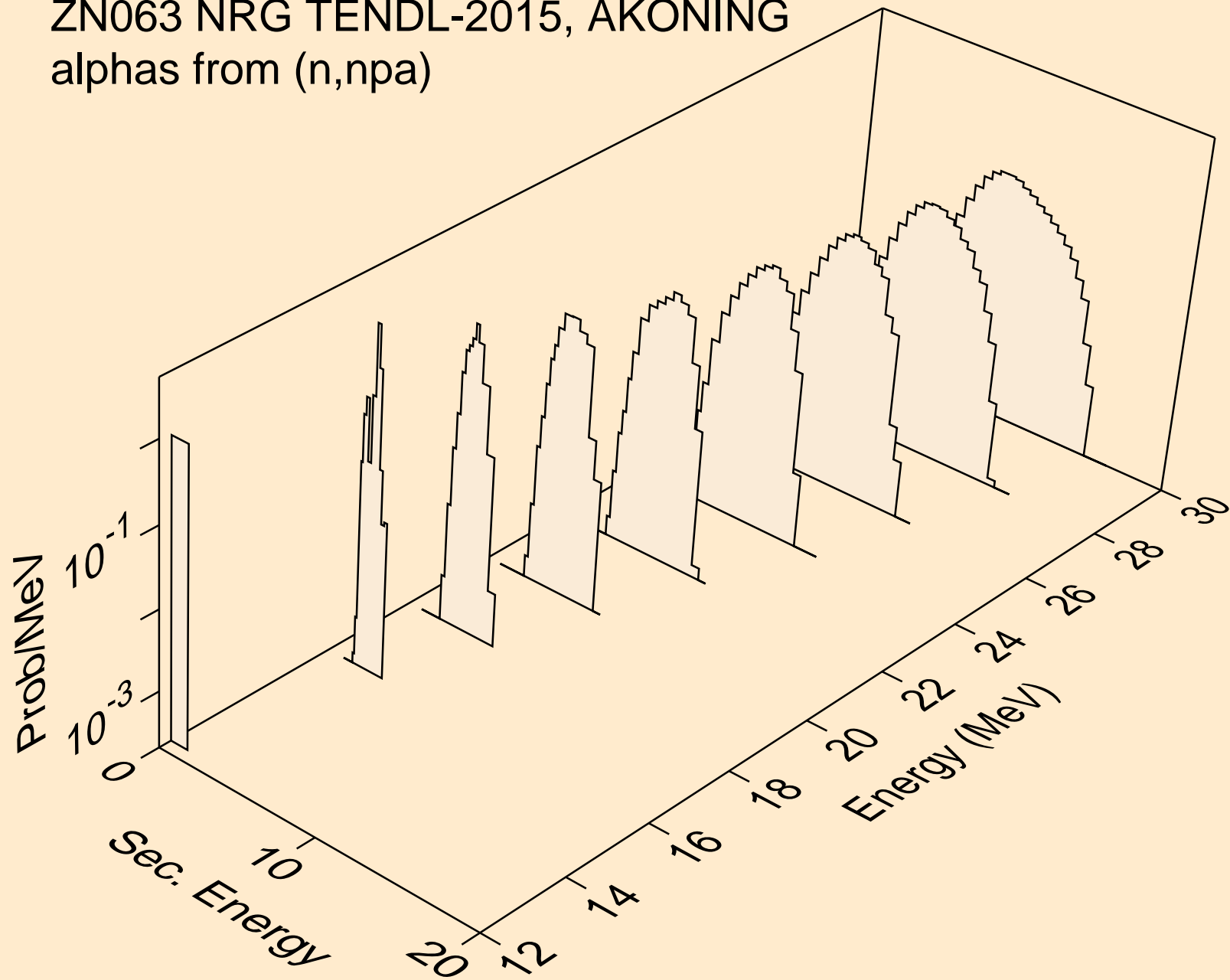
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alphas from (n,3n)a



ZN063 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

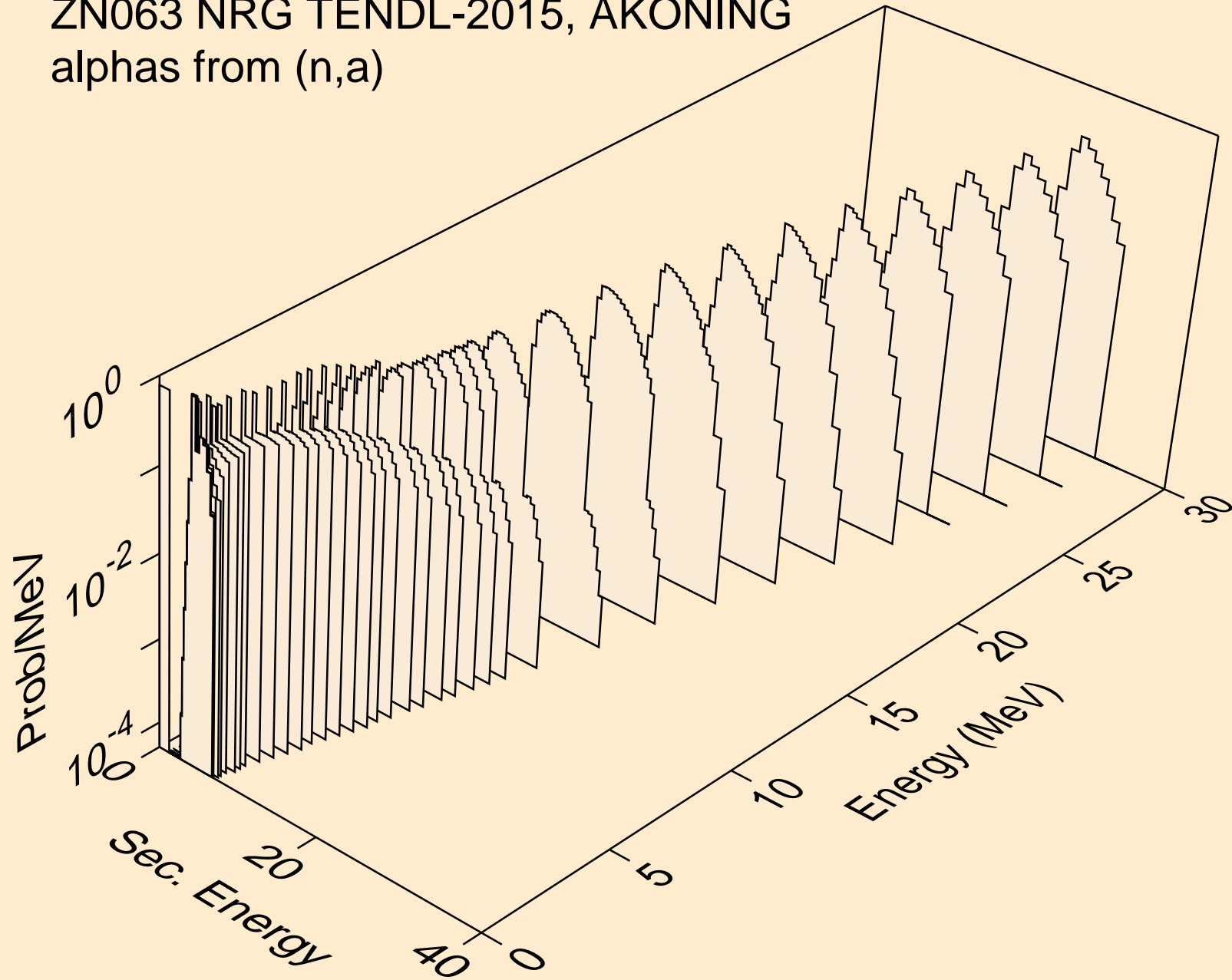


ZN063 NRG TENDL-2015, AKONING  
alphas from (n,npa)

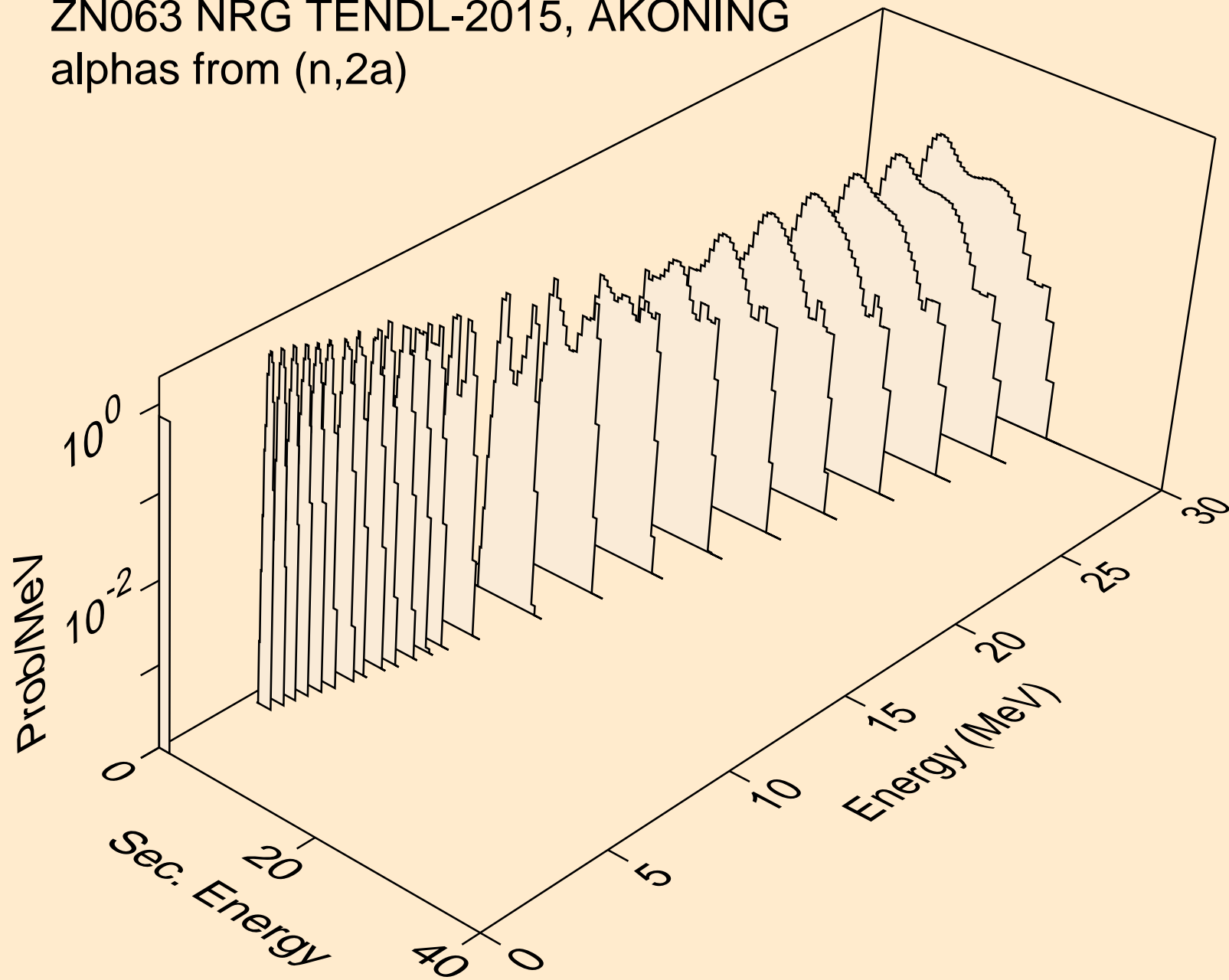




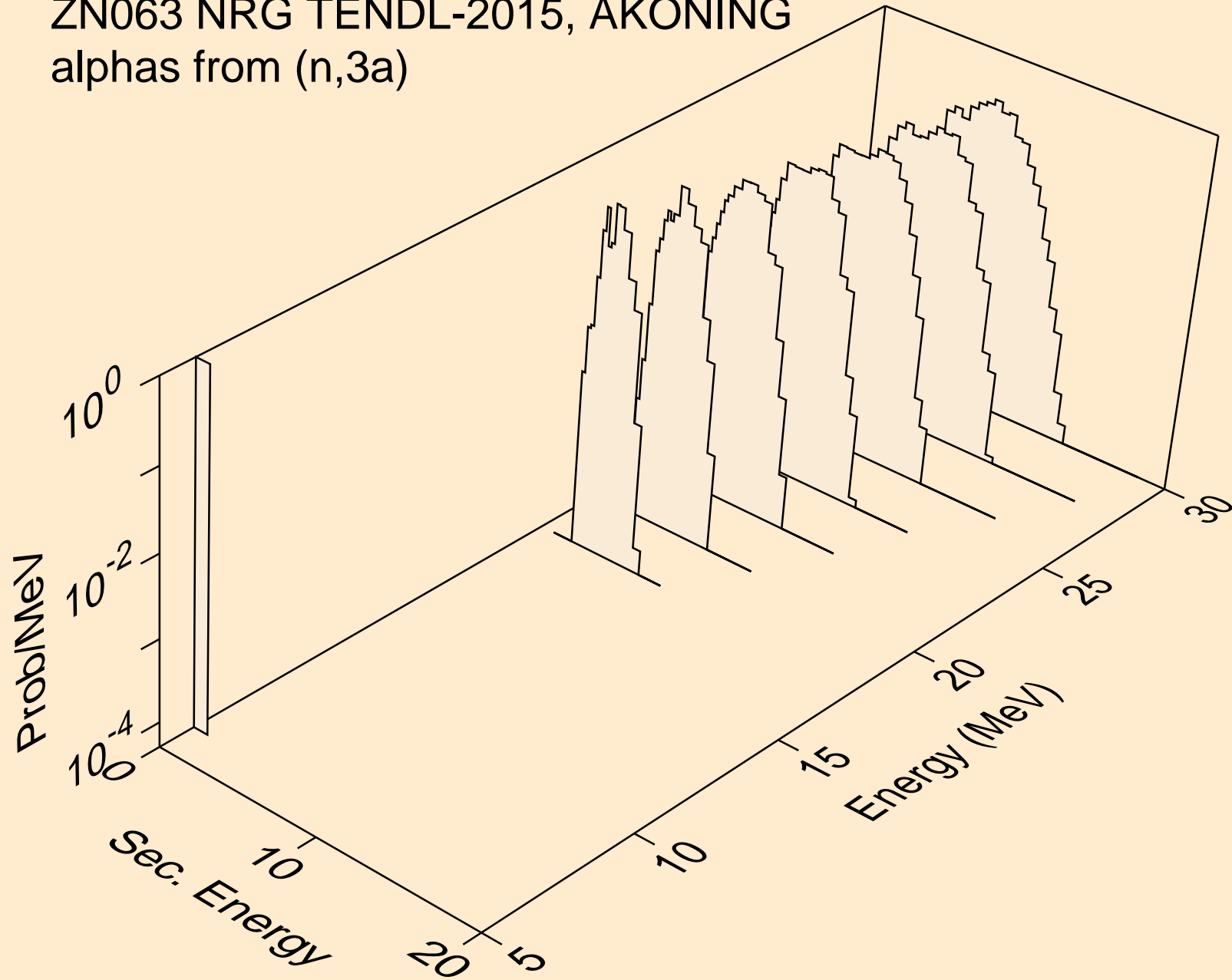
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alphas from (n,a)



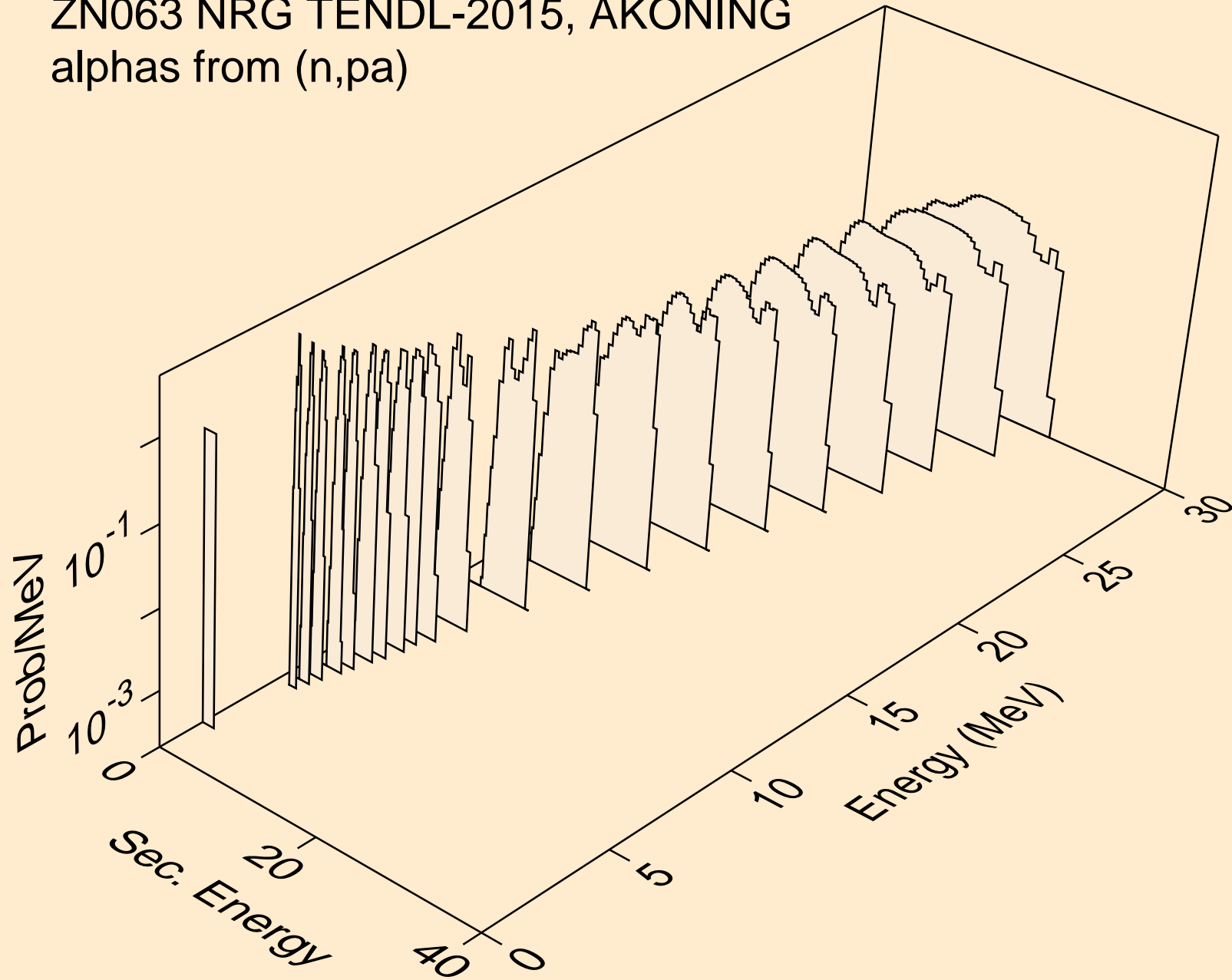
ZN063 NRG TENDL-2015, AKONING  
alphas from (n,2a)



ZN063 NRG TENDL-2015, AKONING  
alphas from (n,3a)



ZN063 NRG TENDL-2015, AKONING  
alphas from (n,pa)



ZN063 NRG TENDL-2015, AKONING  
alphas from (n,da)

