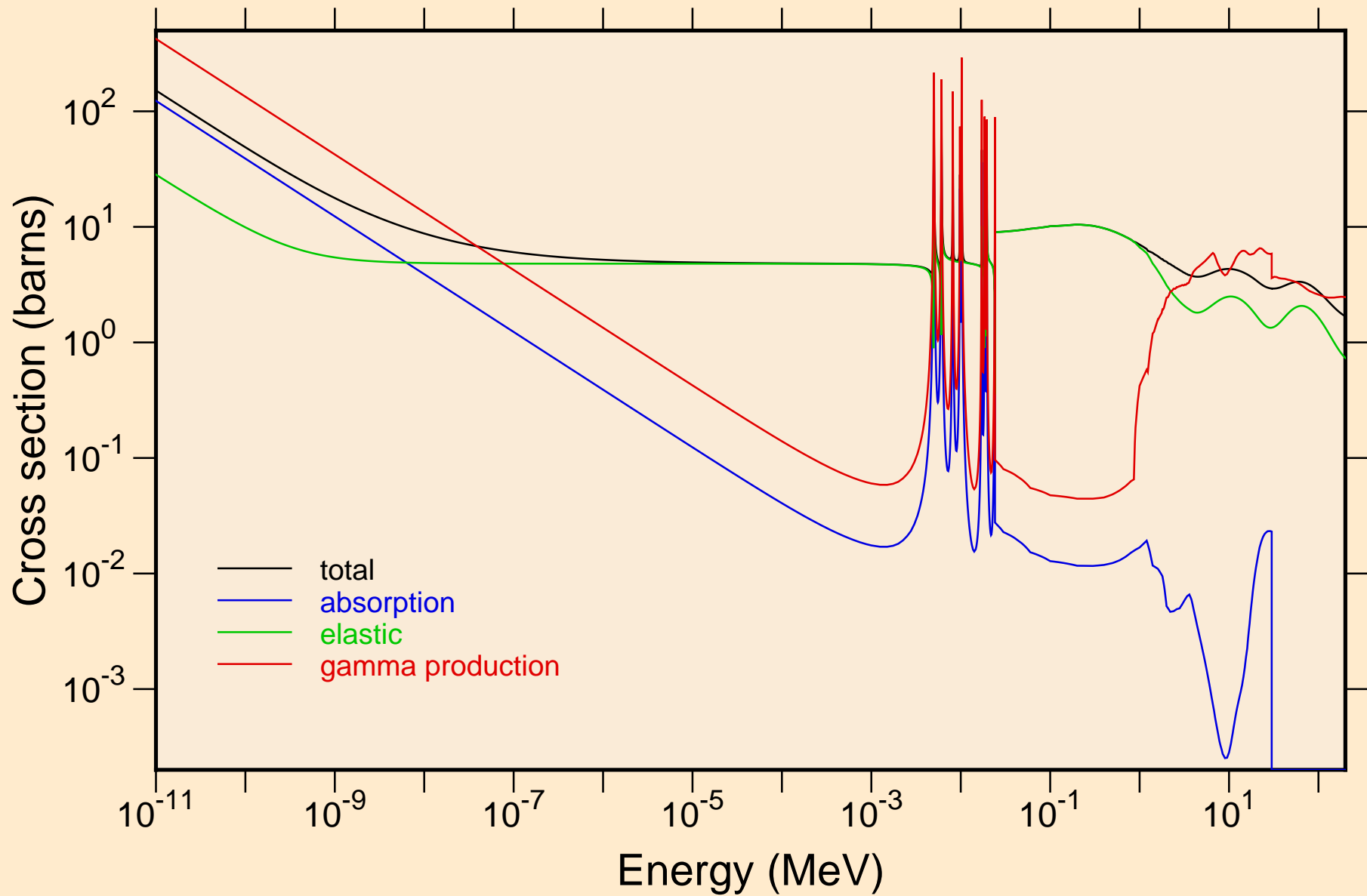
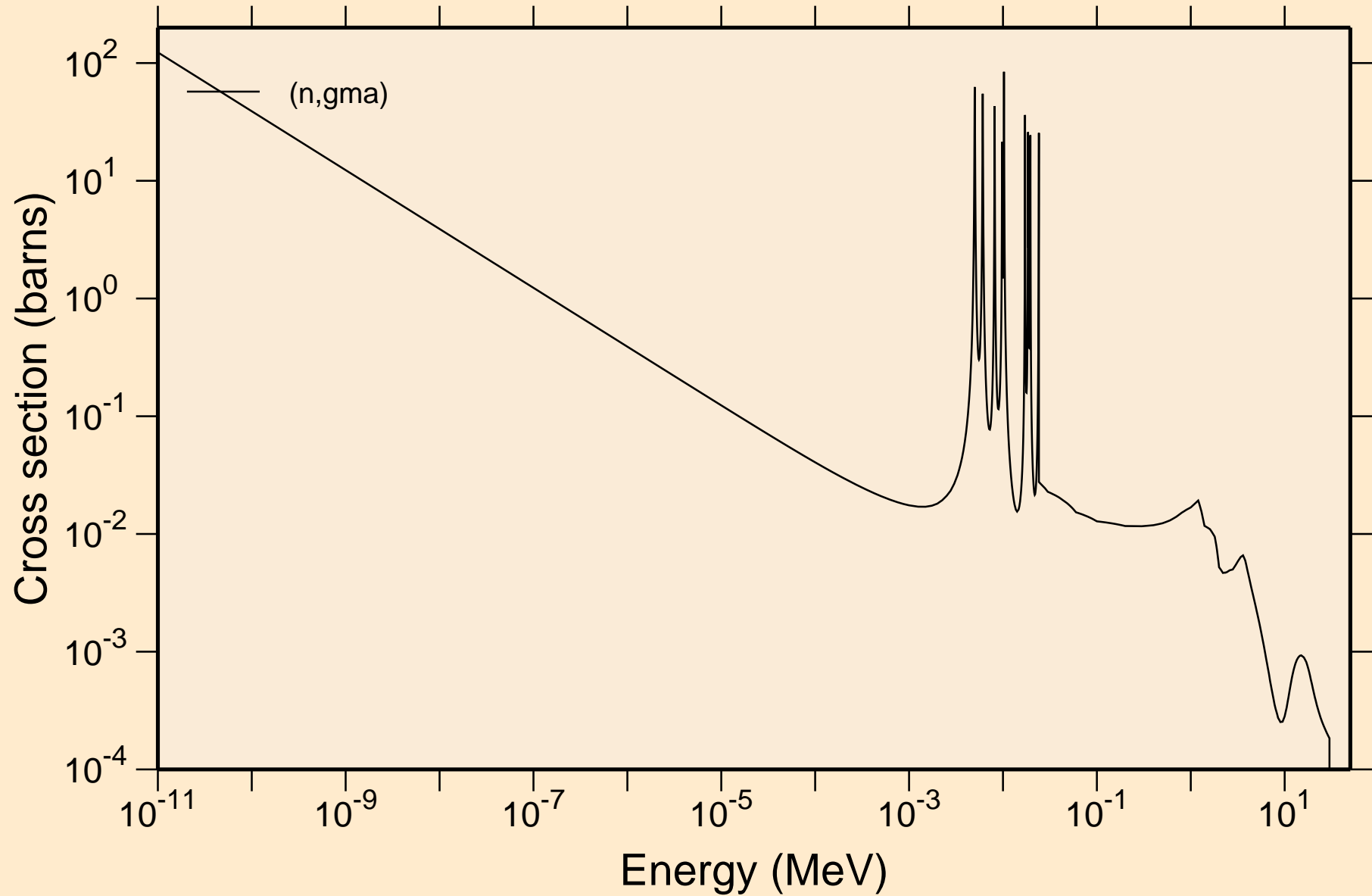


# ZR098 NRG TENDL-2015, AKONING

## Principal cross sections

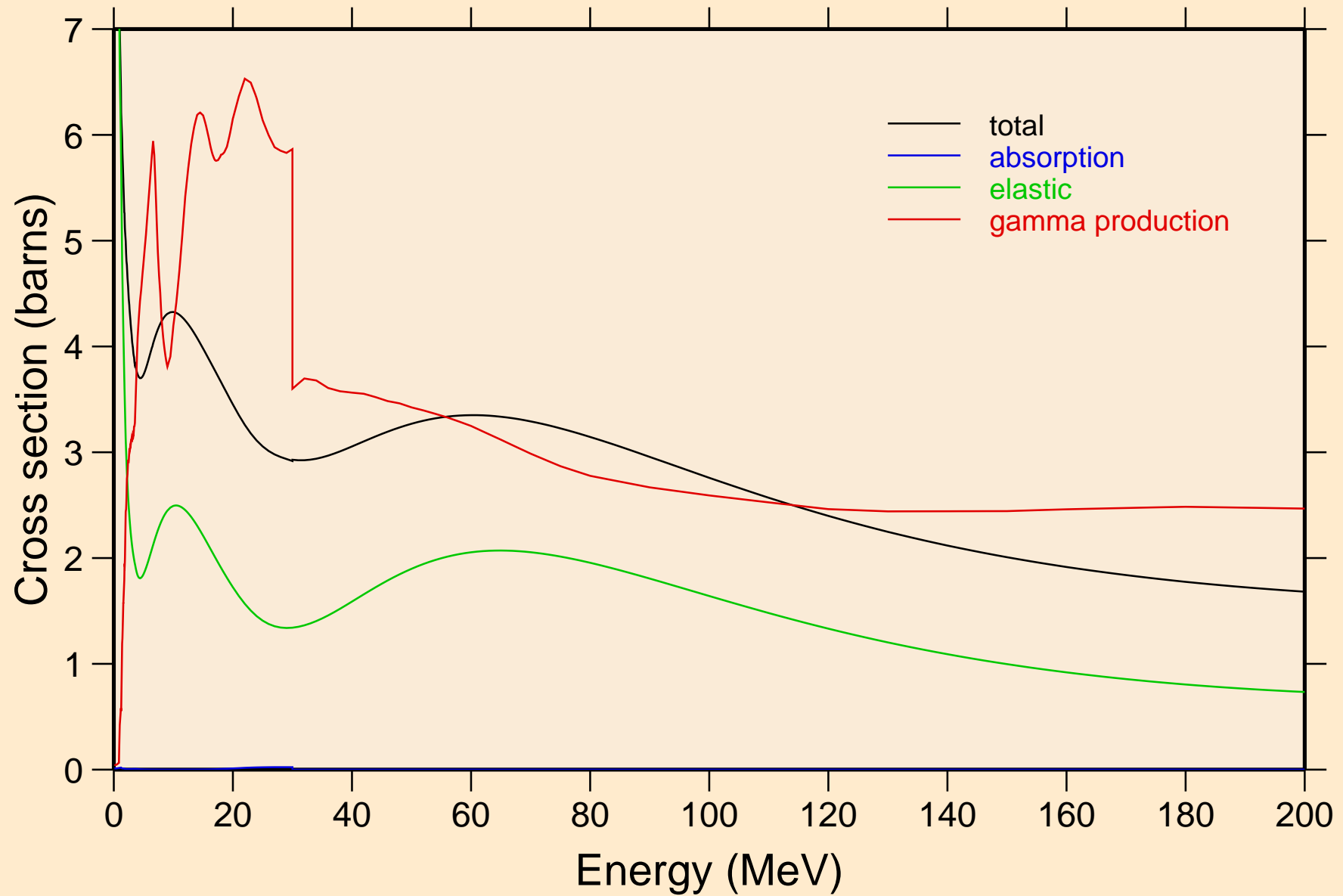


ZR098 NRG TENDL-2015, AKONING  
Non-threshold reactions

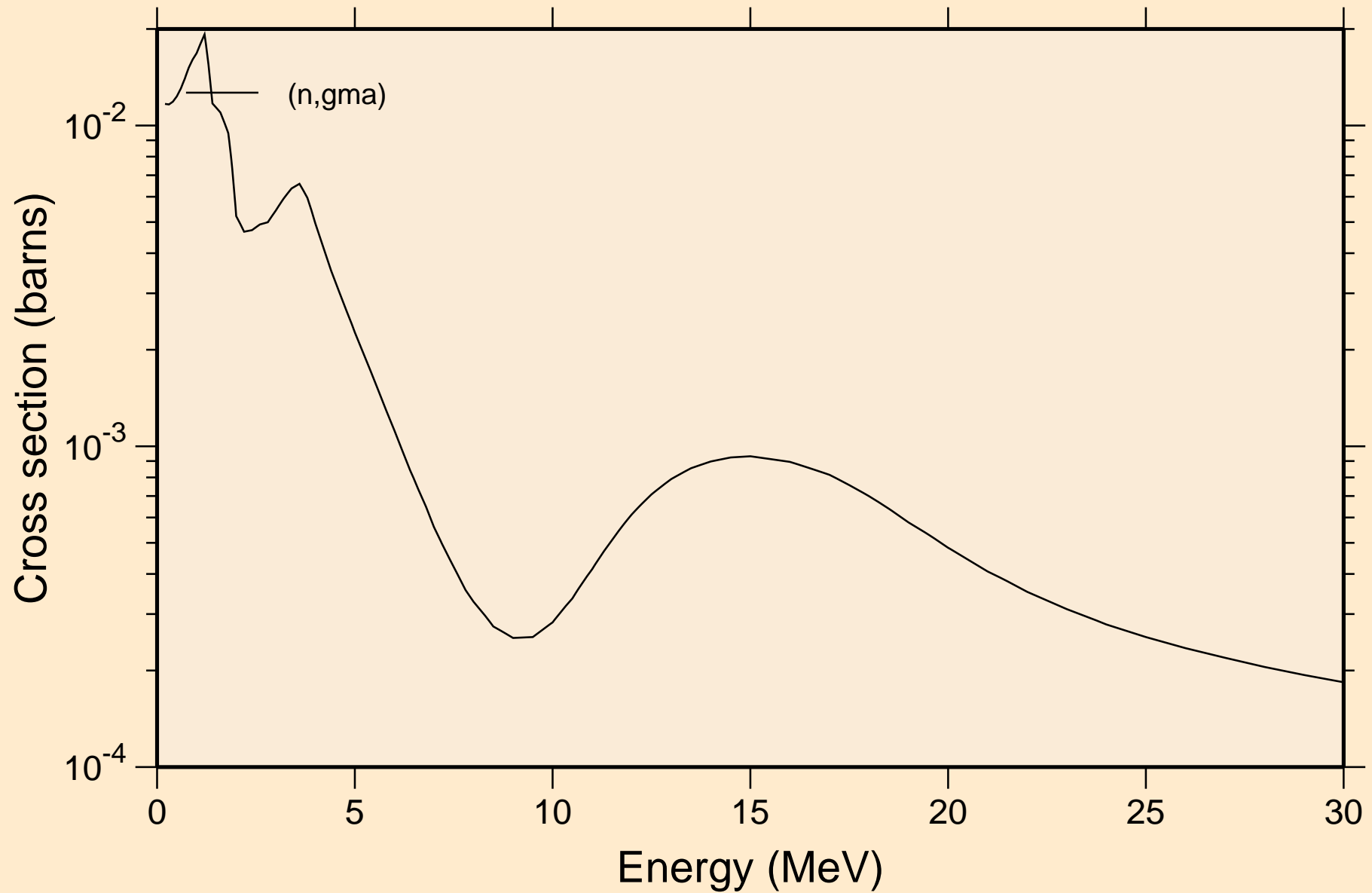


# ZR098 NRG TENDL-2015, AKONING

## Principal cross sections

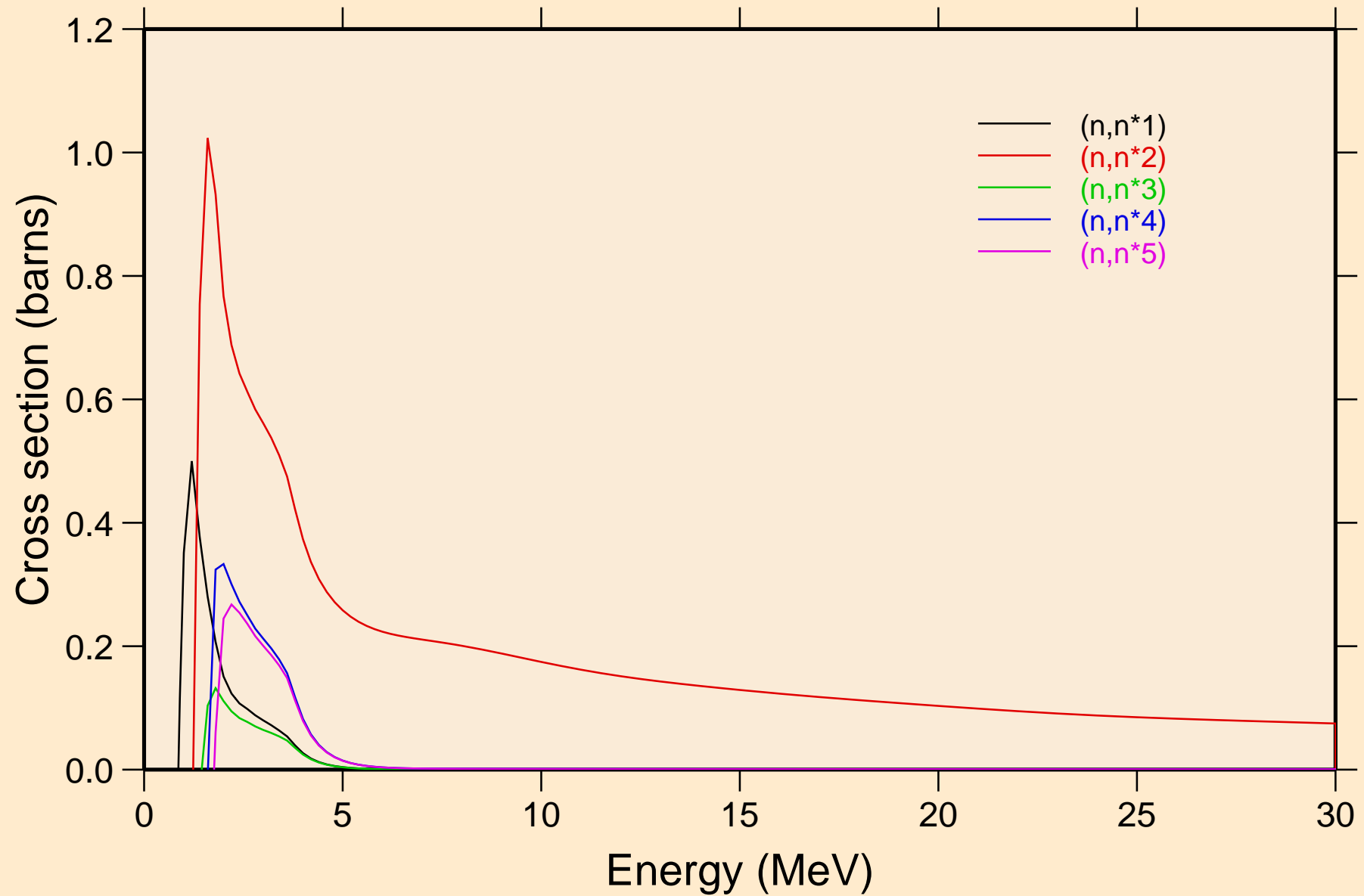


ZR098 NRG TENDL-2015, AKONING  
Non-threshold reactions



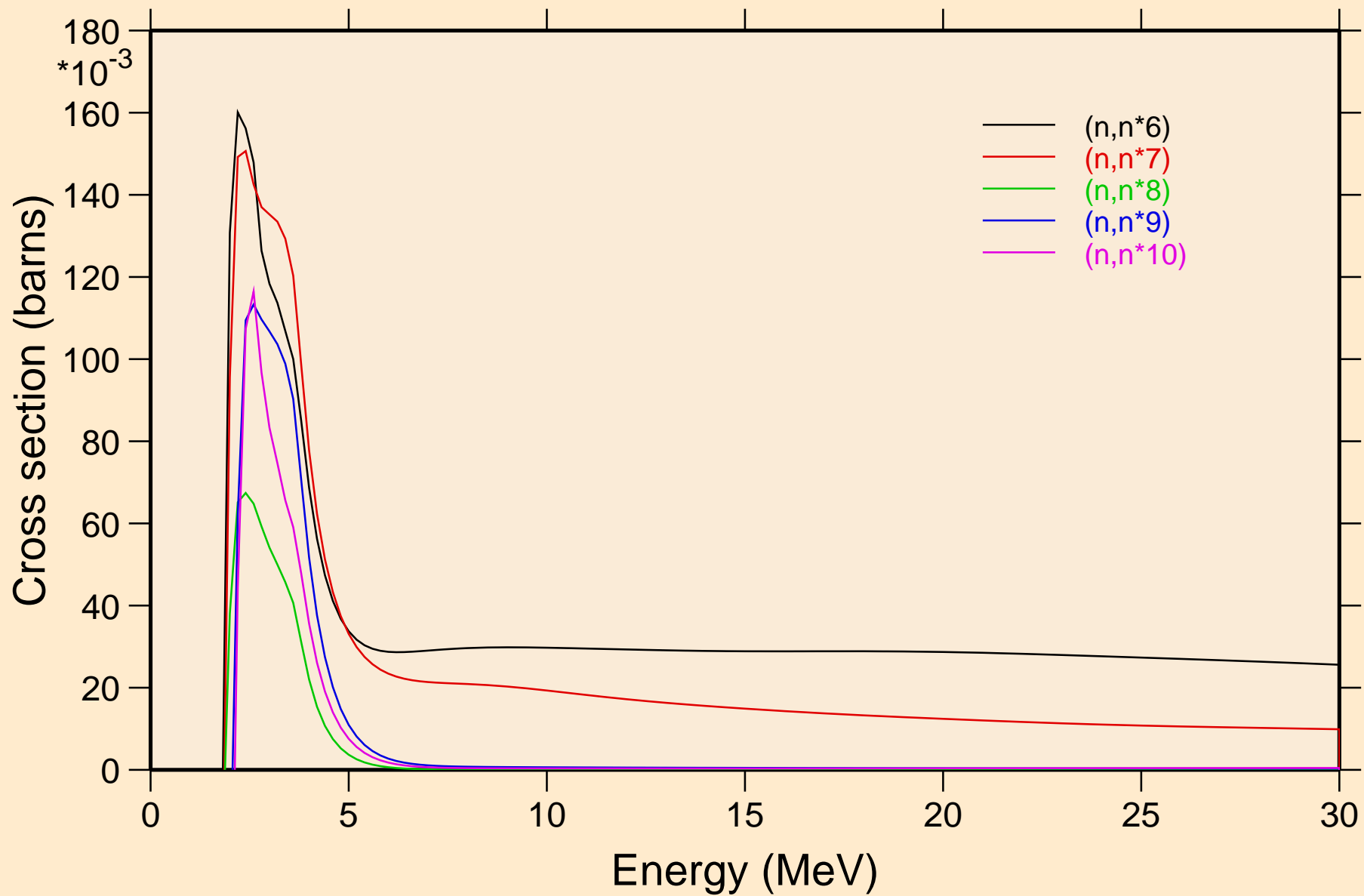
# ZR098 NRG TENDL-2015, AKONING

## Inelastic levels



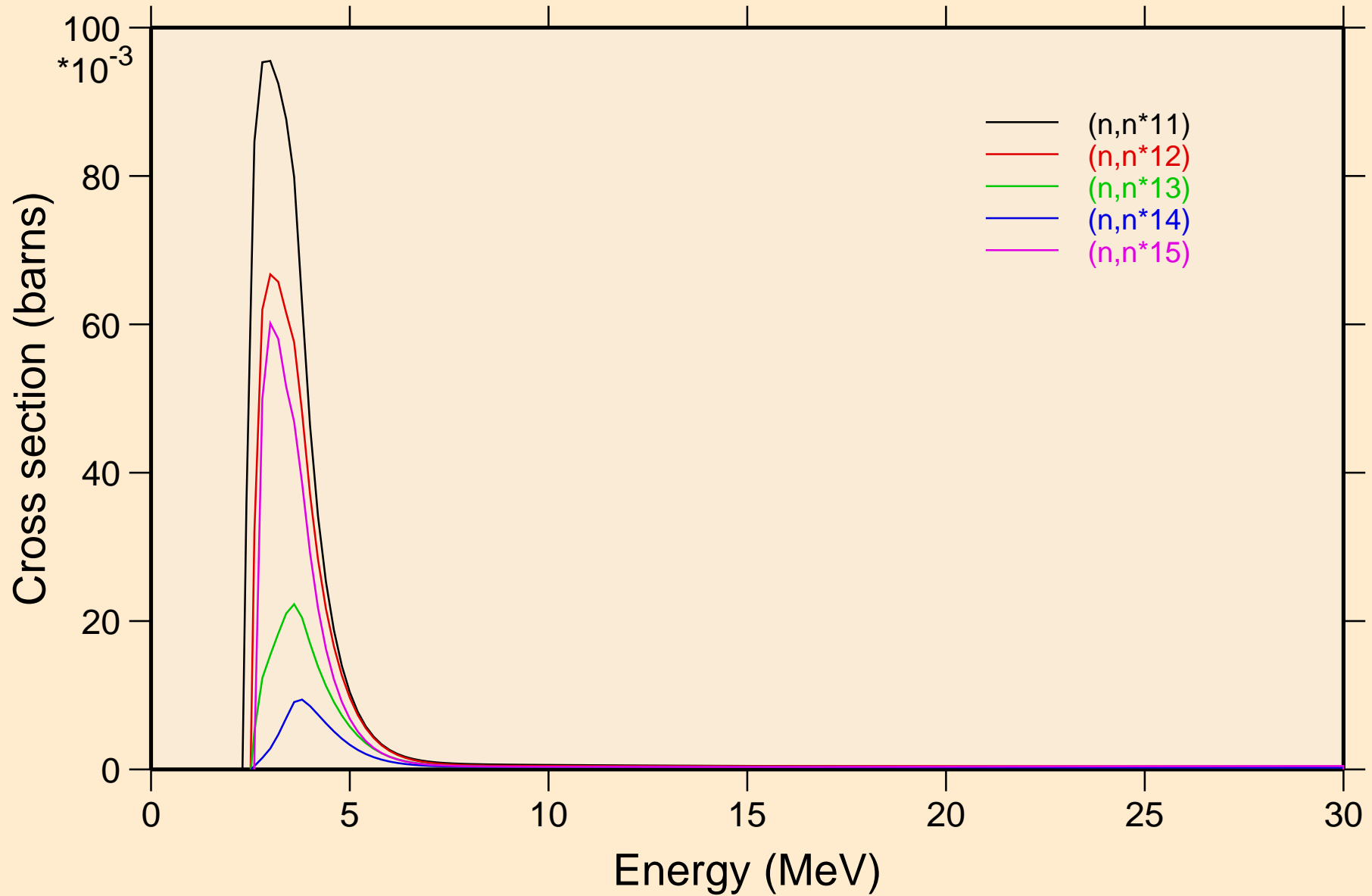
# ZR098 NRG TENDL-2015, AKONING

## Inelastic levels



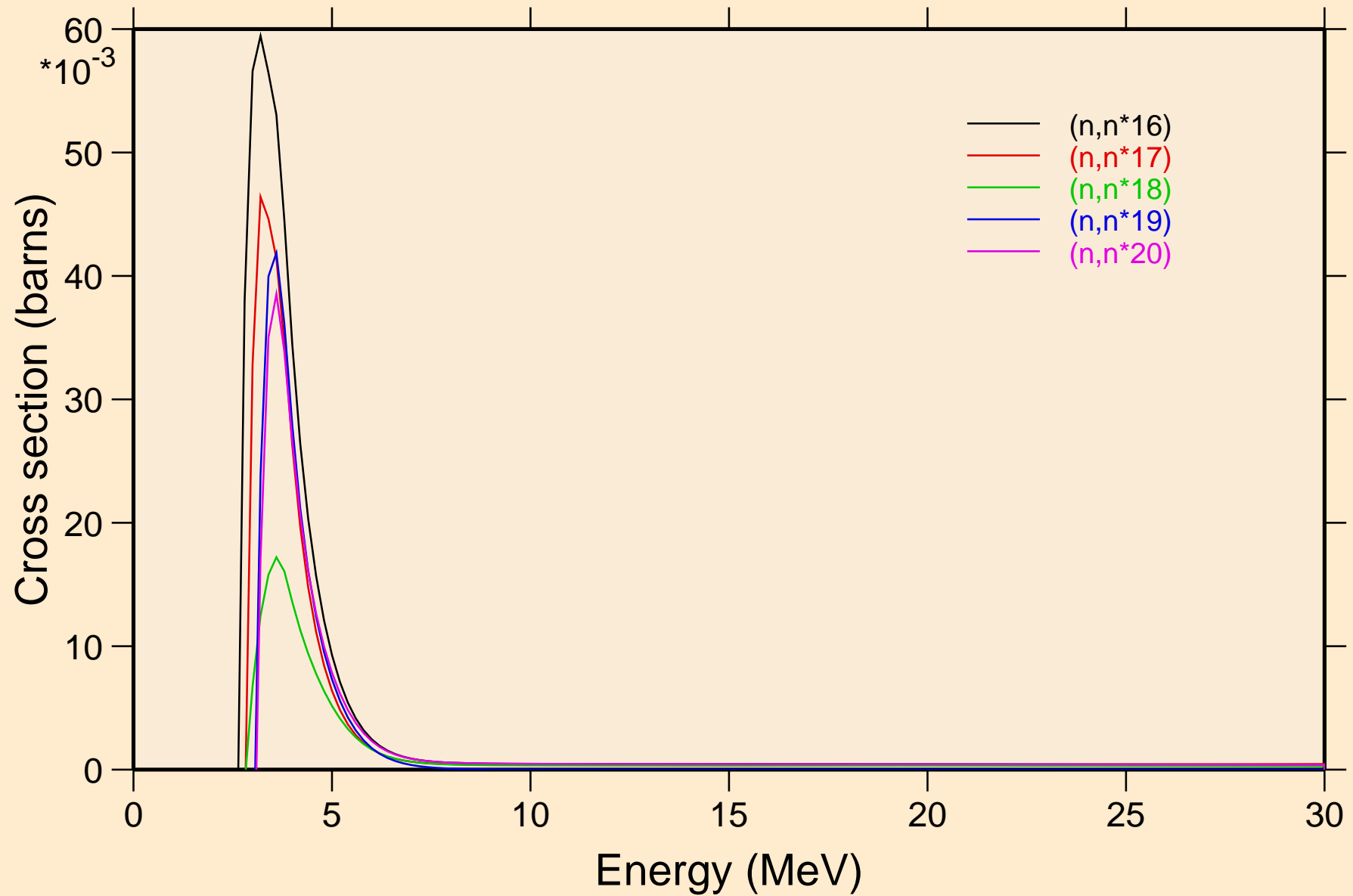
# ZR098 NRG TENDL-2015, AKONING

## Inelastic levels



# ZR098 NRG TENDL-2015, AKONING

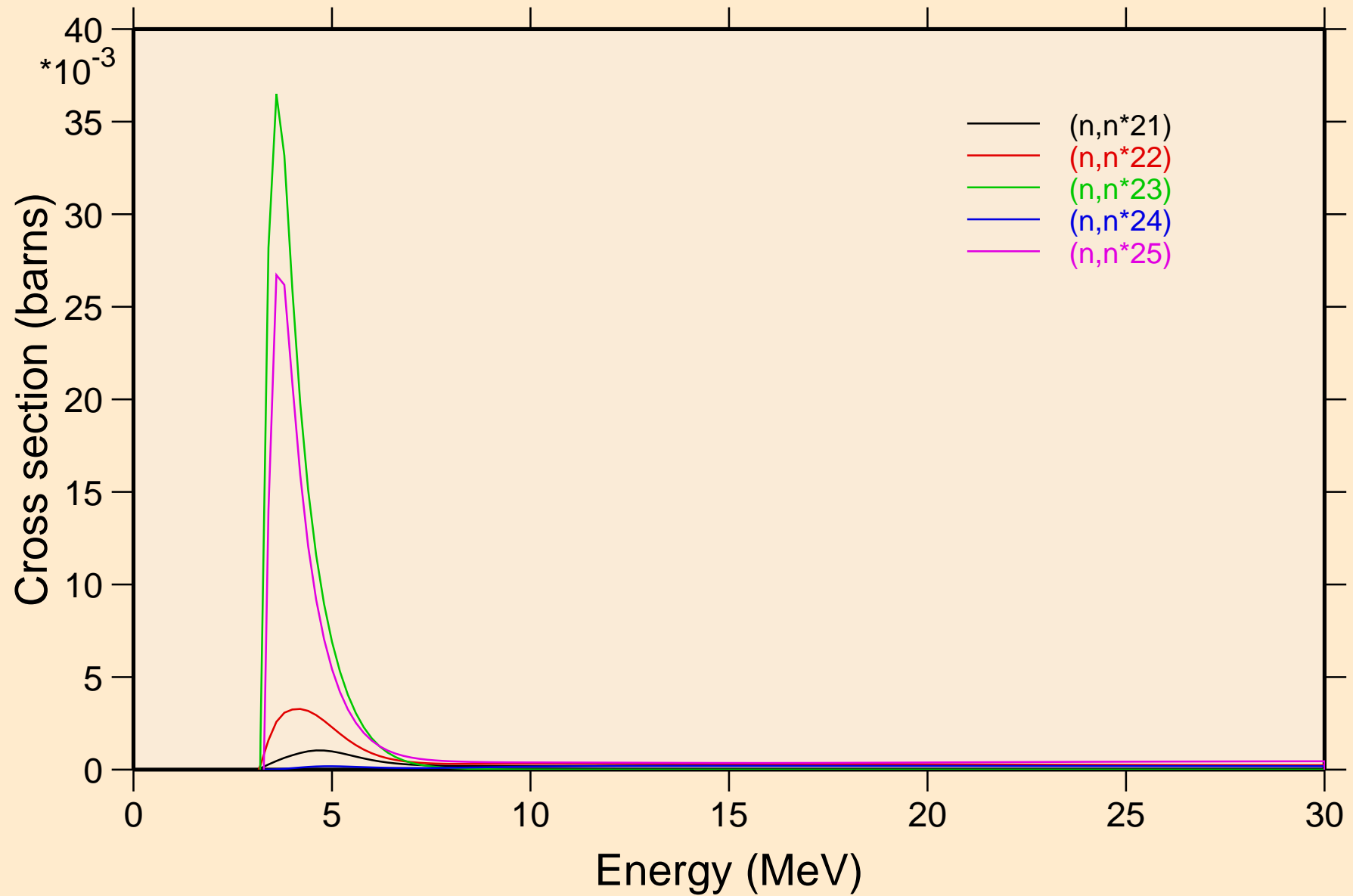
## Inelastic levels





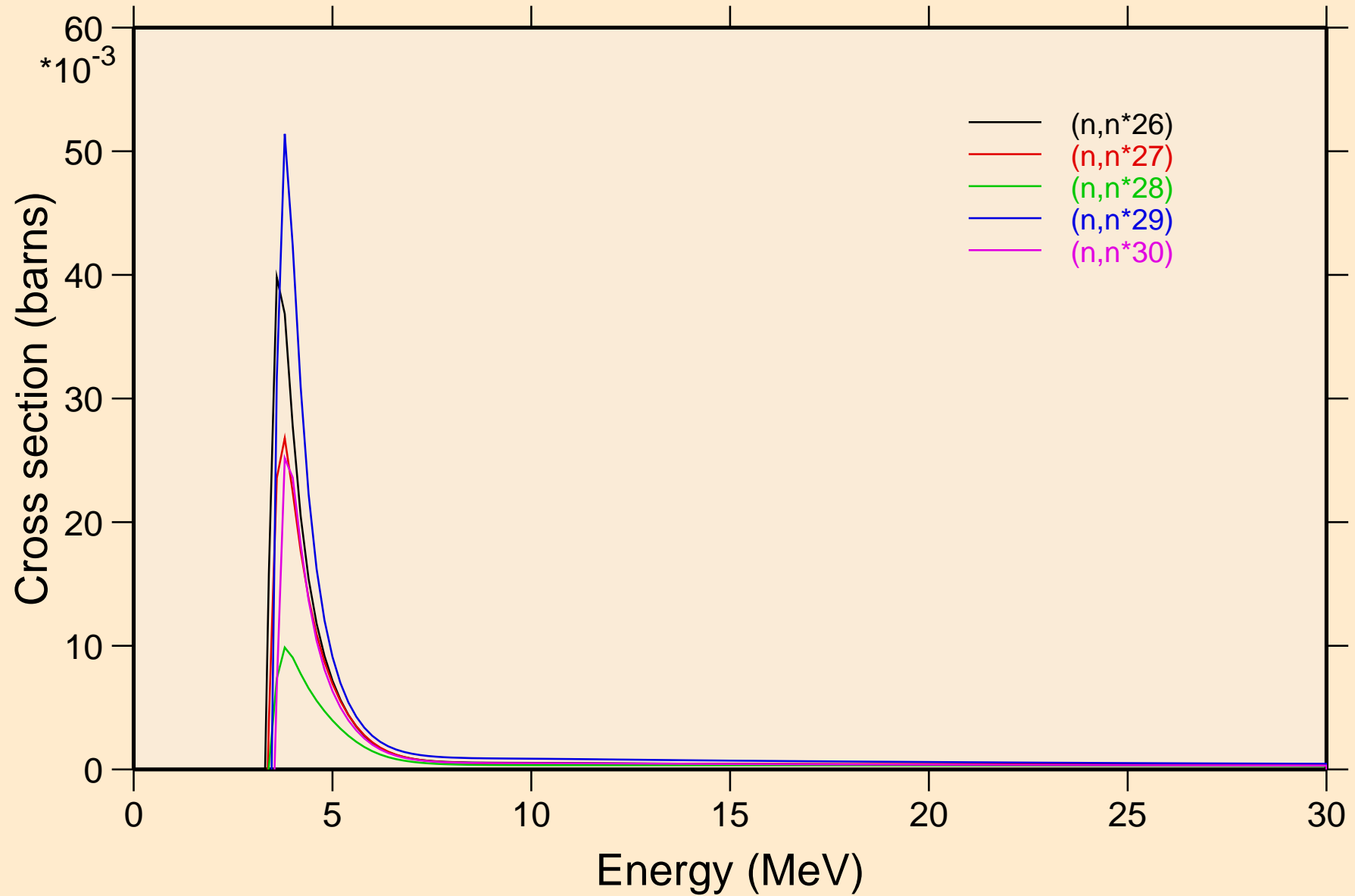
# ZR098 NRG TENDL-2015, AKONING

## Inelastic levels



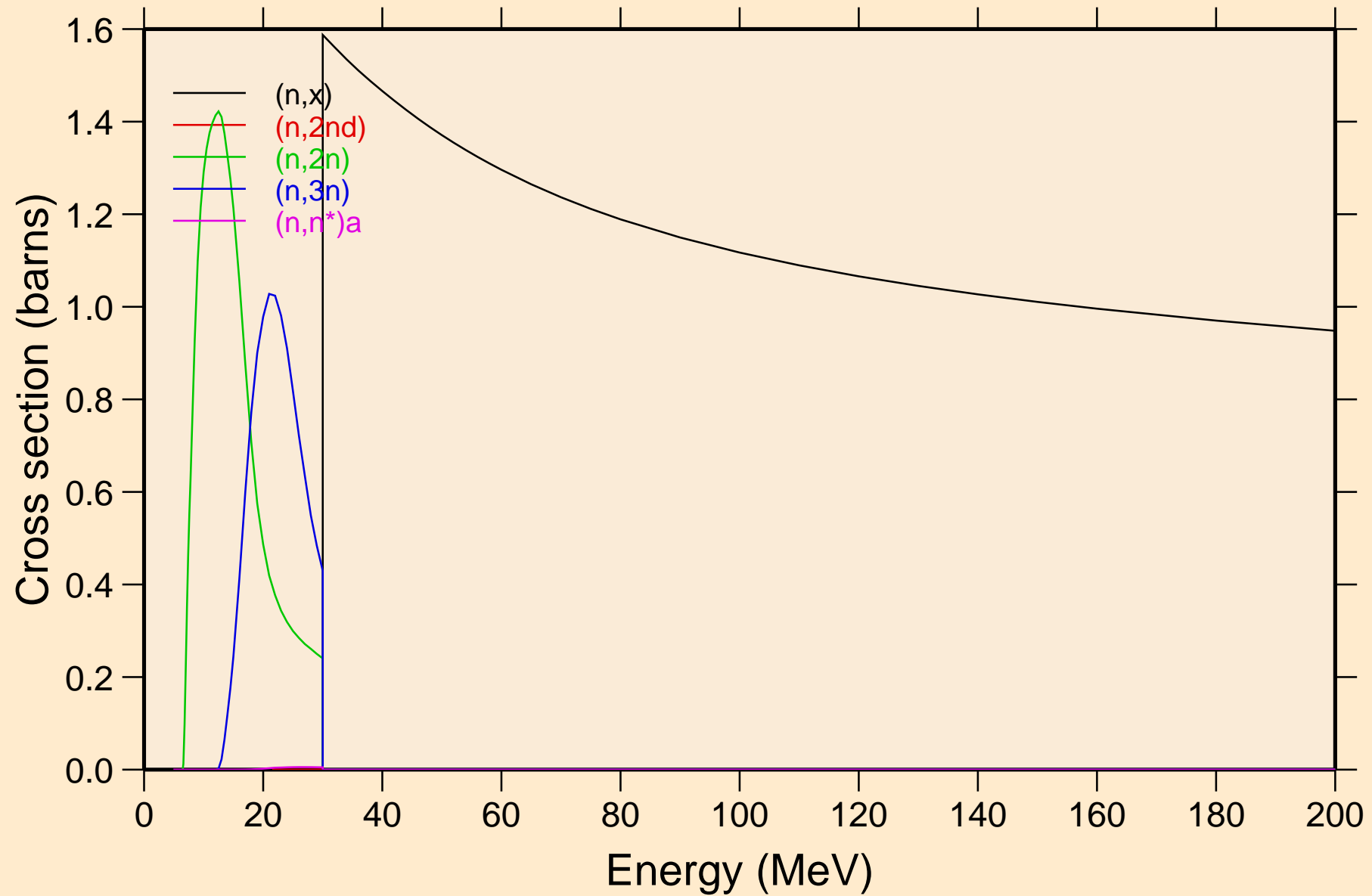
# ZR098 NRG TENDL-2015, AKONING

## Inelastic levels



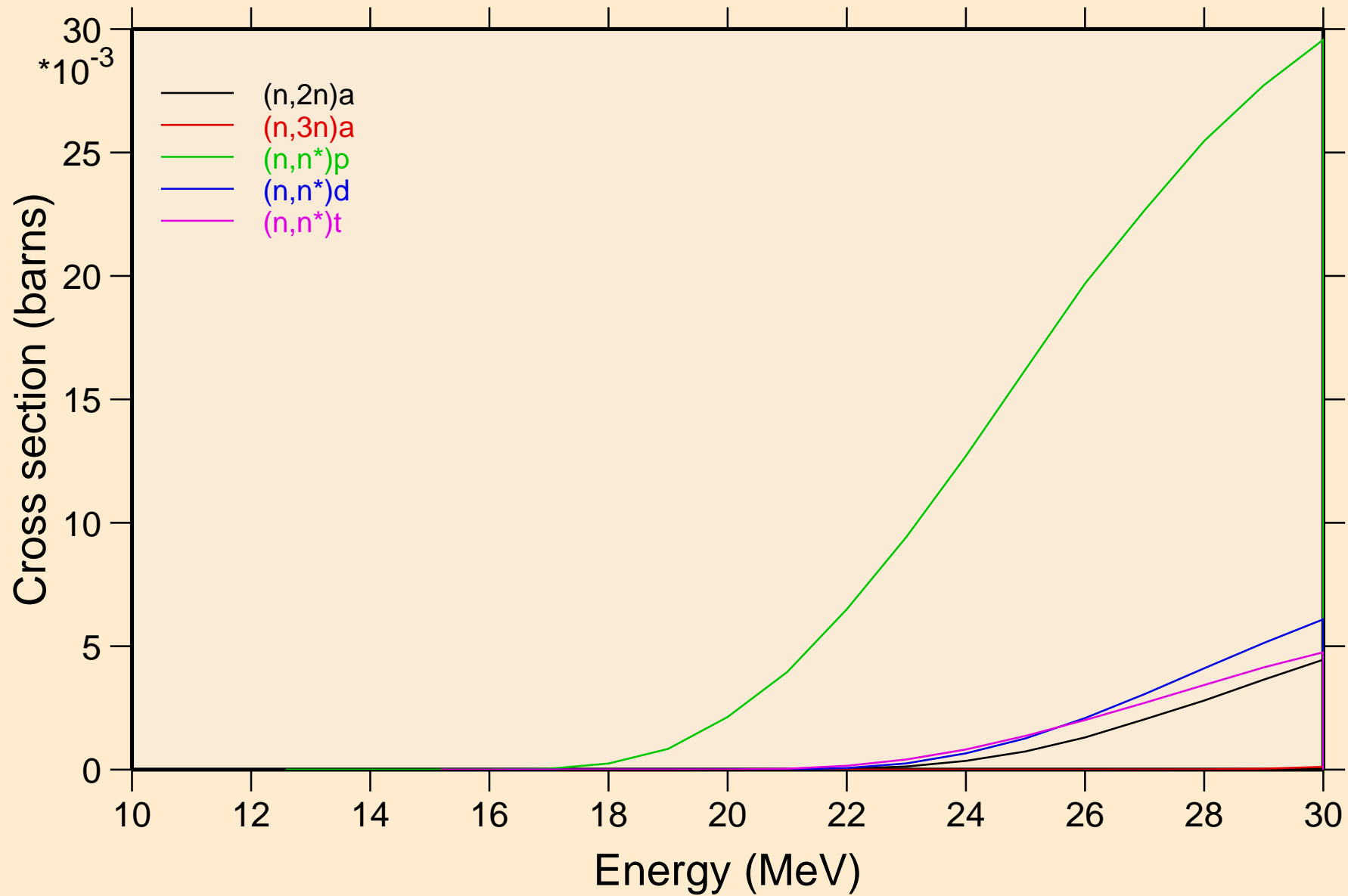
# ZR098 NRG TENDL-2015, AKONING

## Threshold reactions



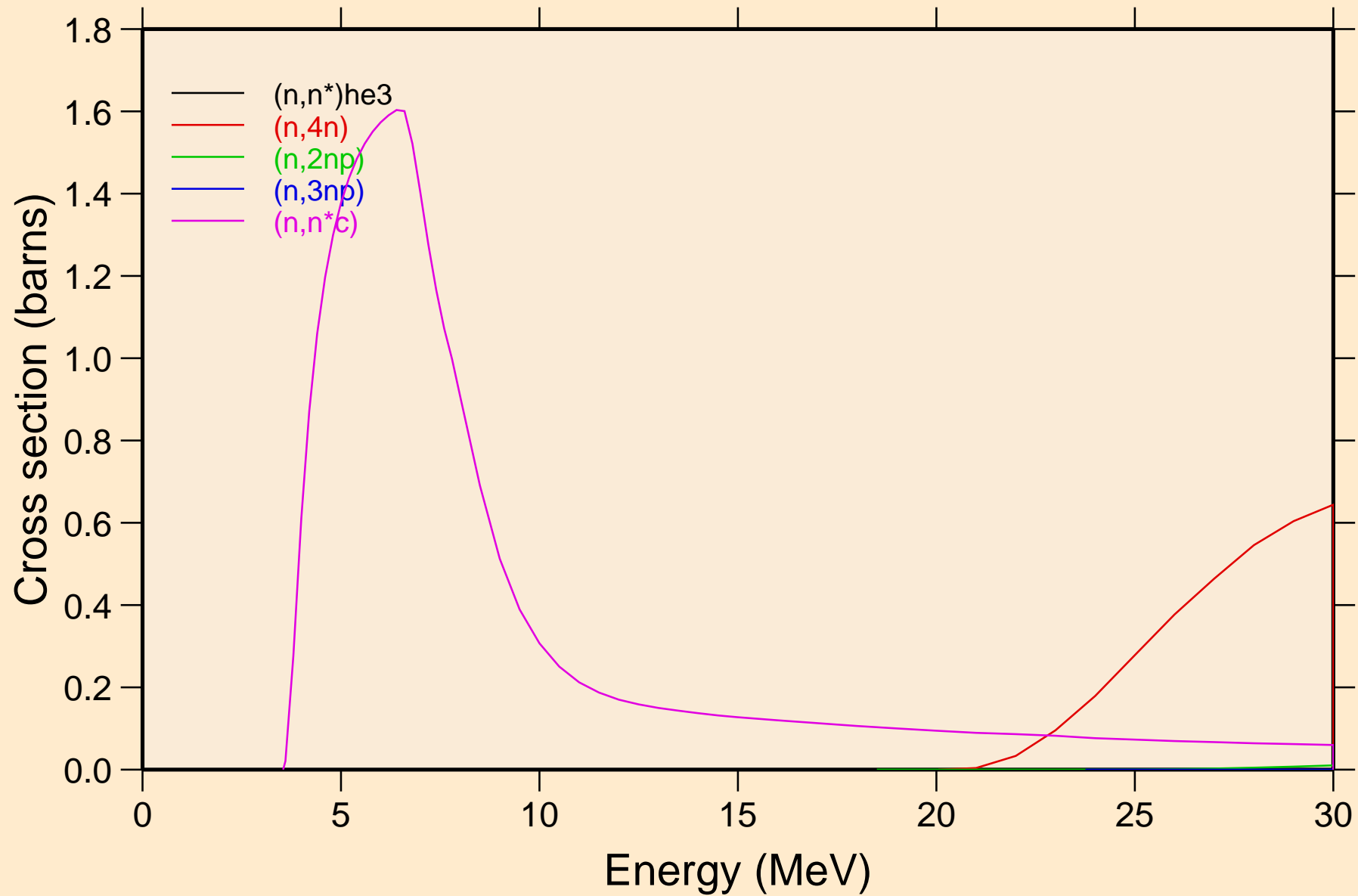
# ZR098 NRG TENDL-2015, AKONING

## Threshold reactions



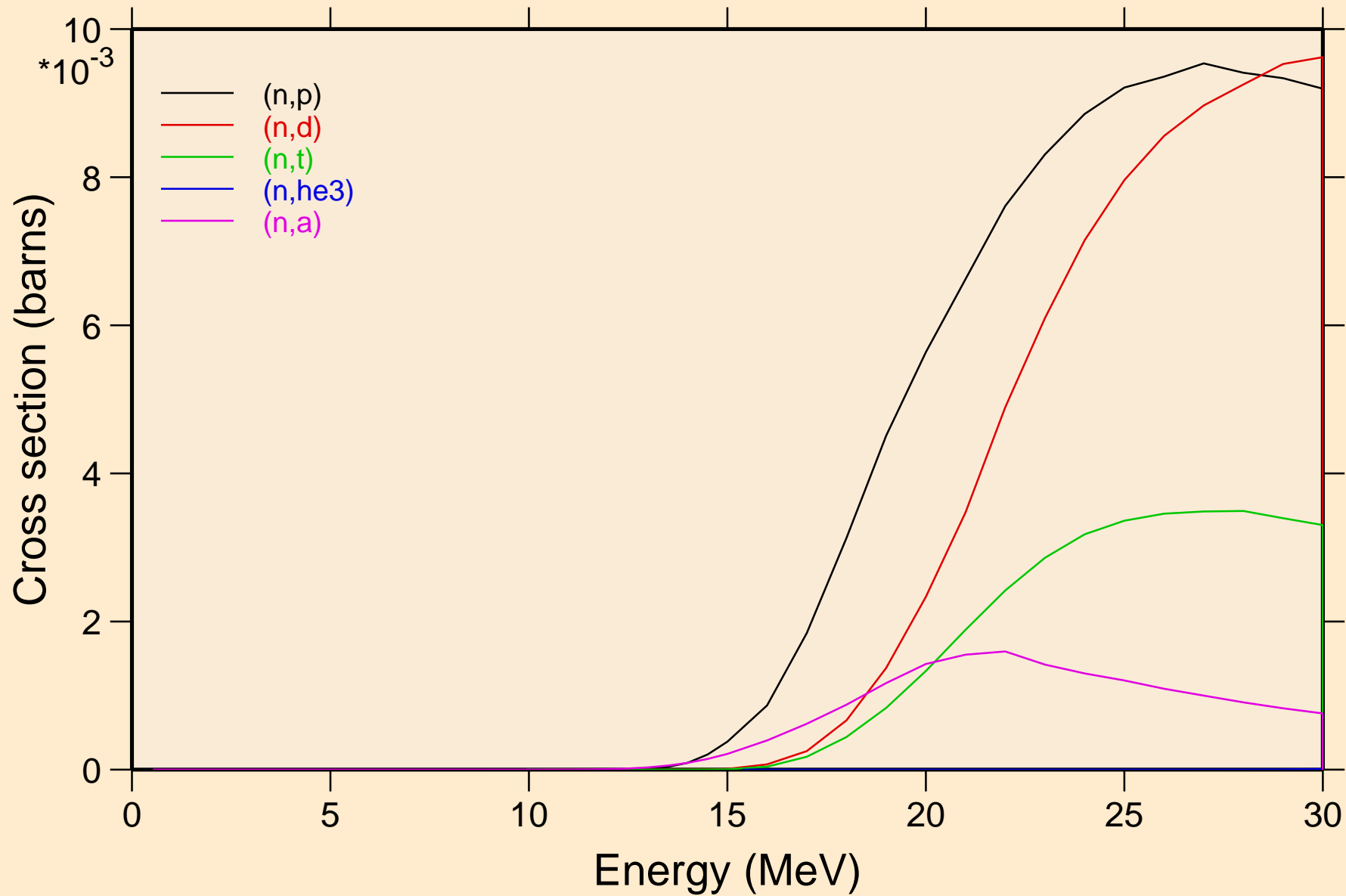
# ZR098 NRG TENDL-2015, AKONING

## Threshold reactions



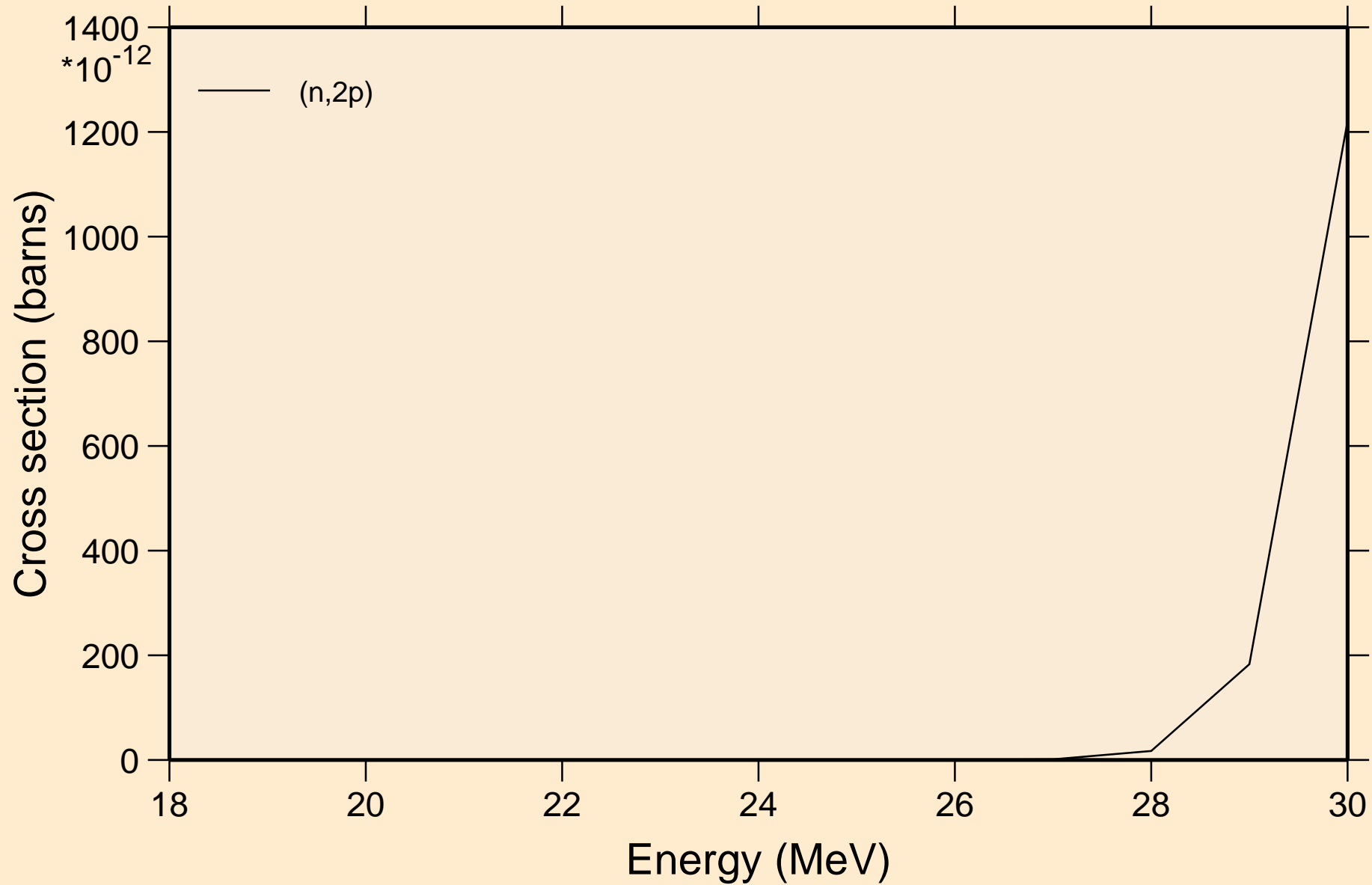
# ZR098 NRG TENDL-2015, AKONING

## Threshold reactions

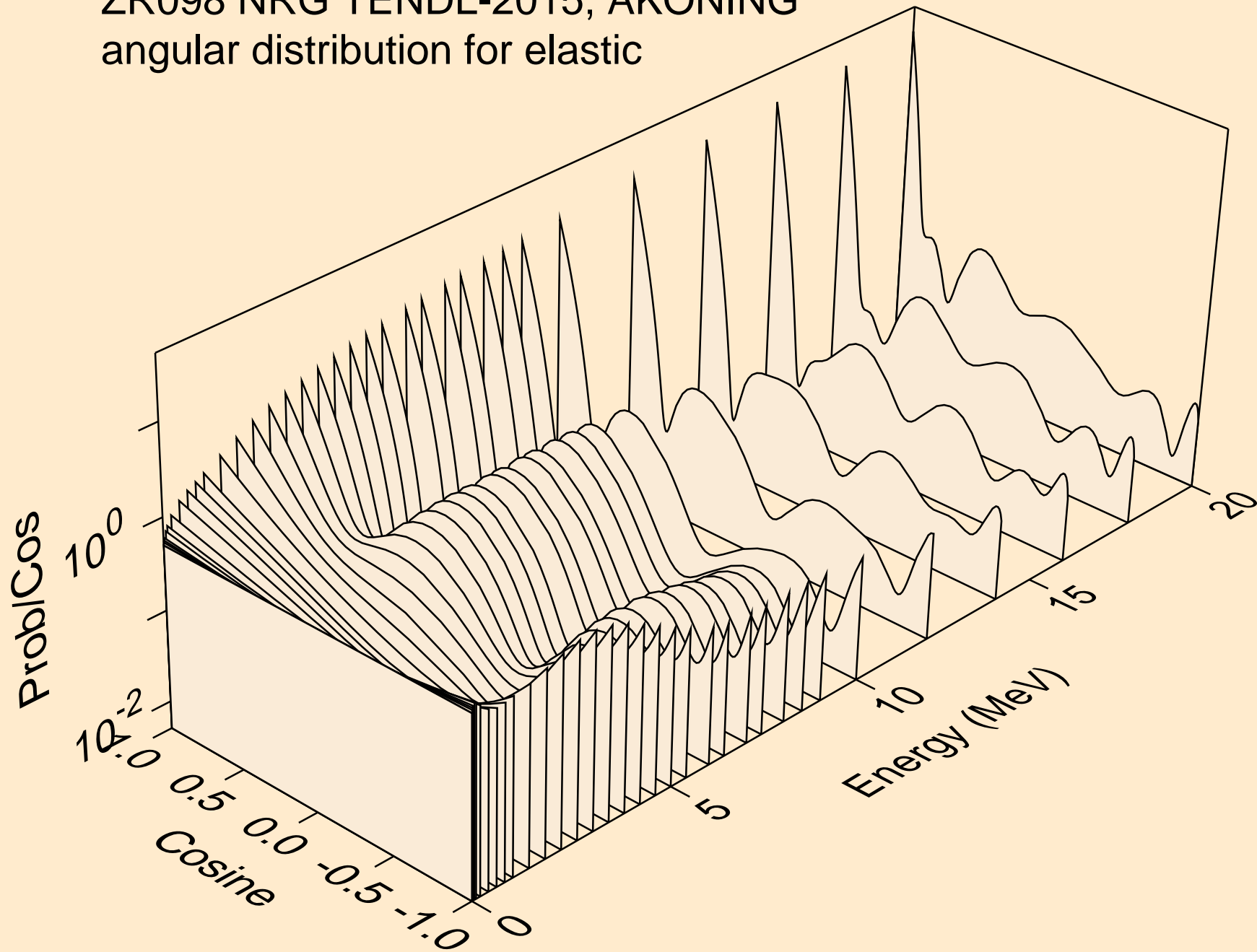


# ZR098 NRG TENDL-2015, AKONING

## Threshold reactions

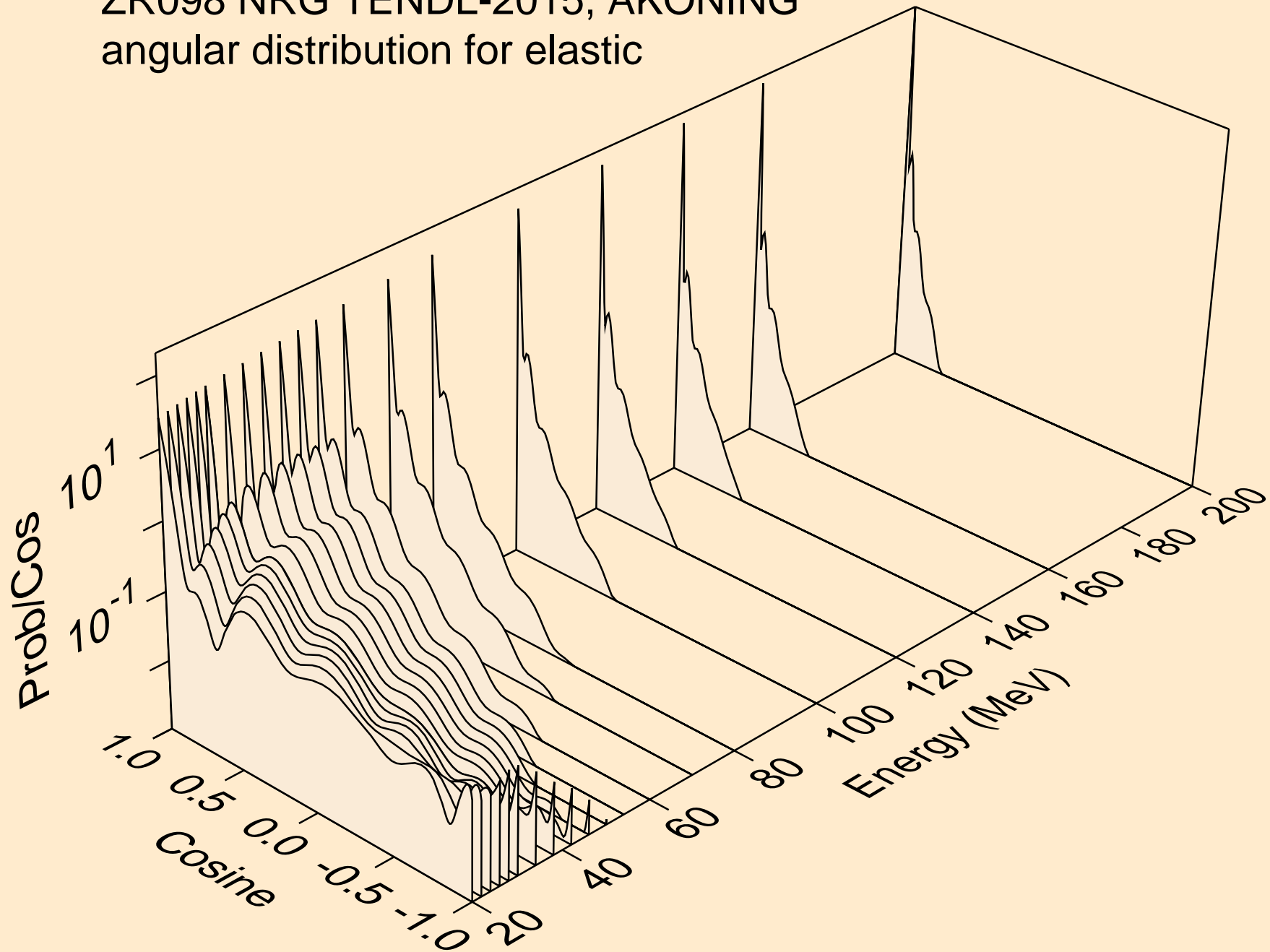


ZR098 NRG TENDL-2015, AKONING  
angular distribution for elastic

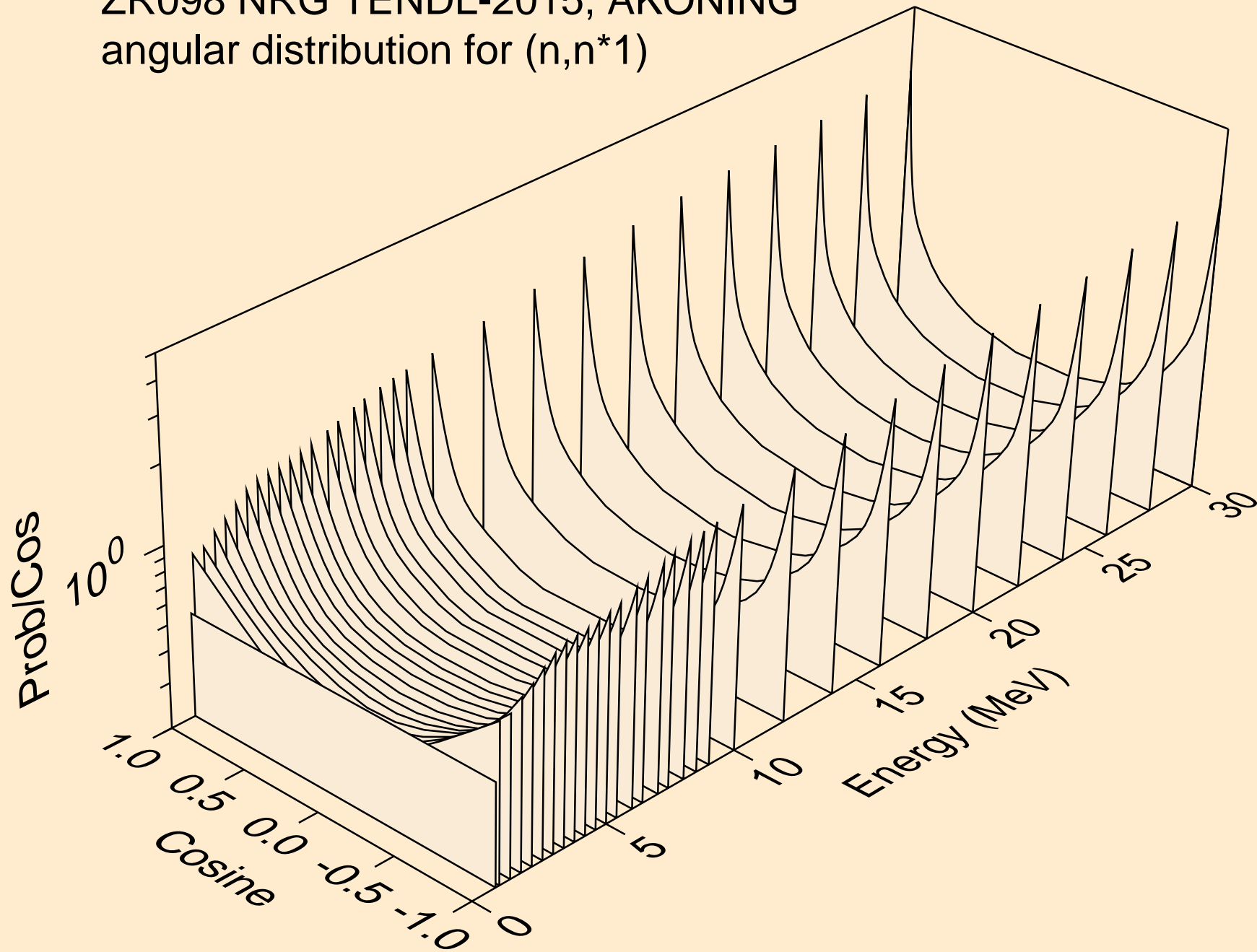




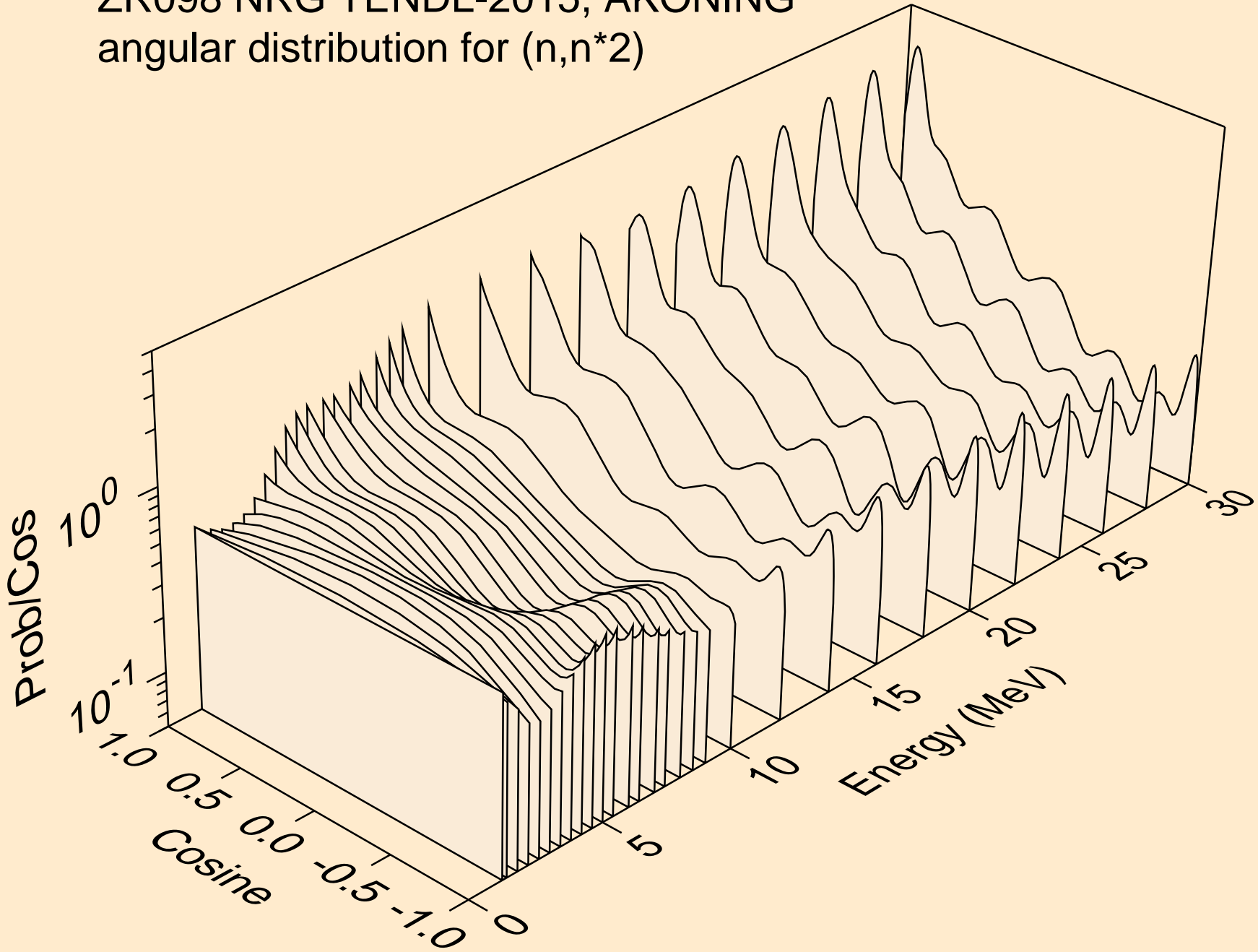
ZR098 NRG TENDL-2015, AKONING  
angular distribution for elastic



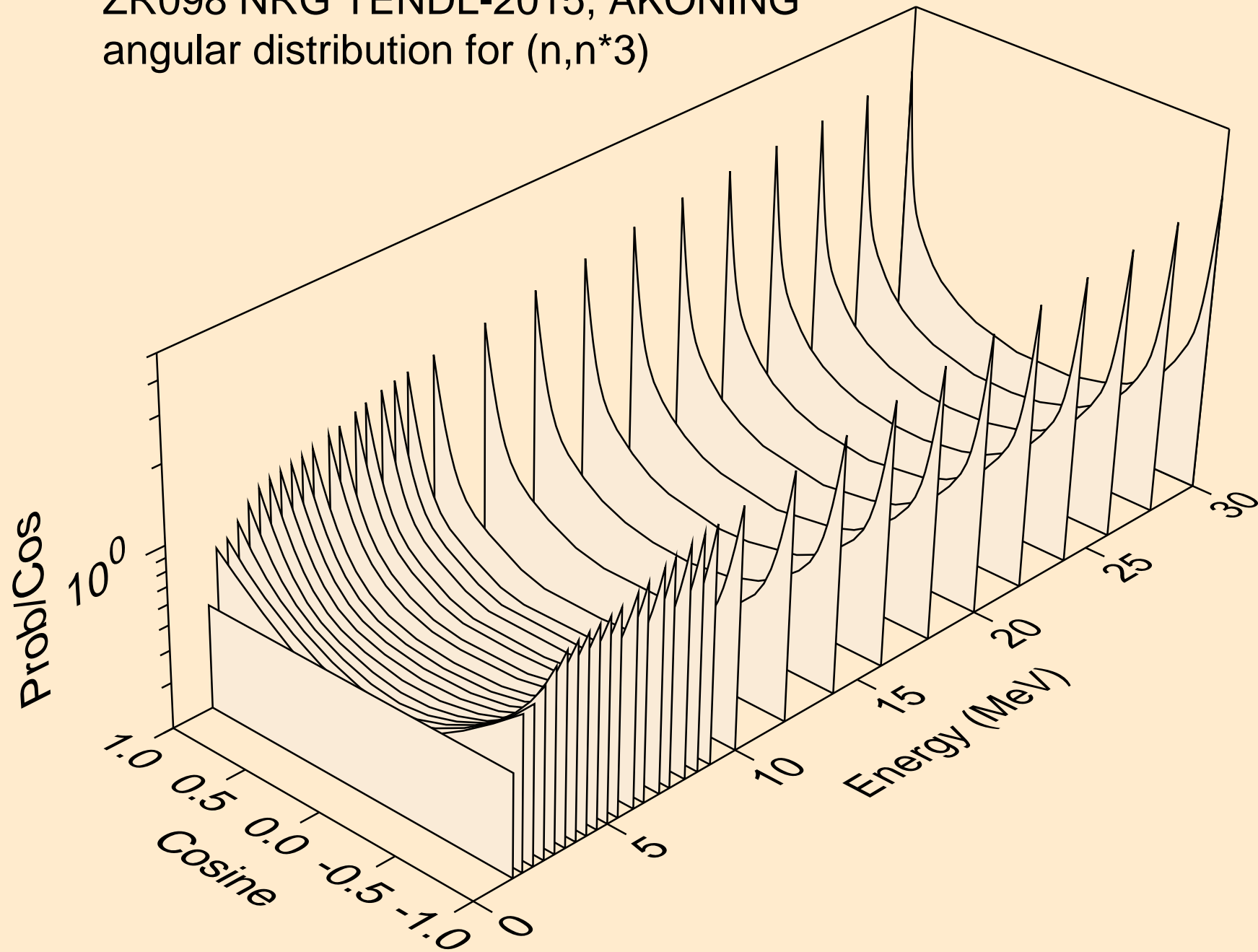
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



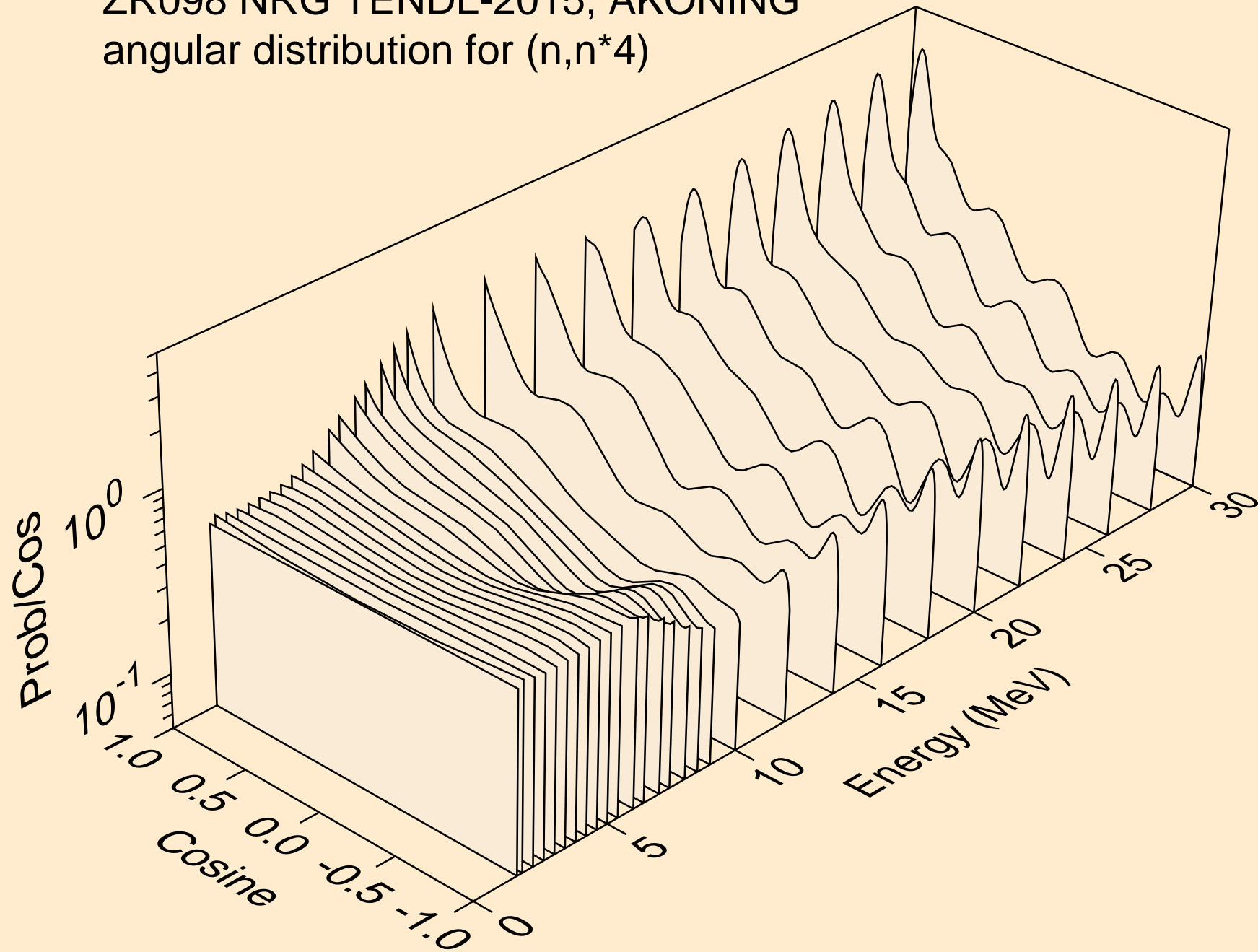
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



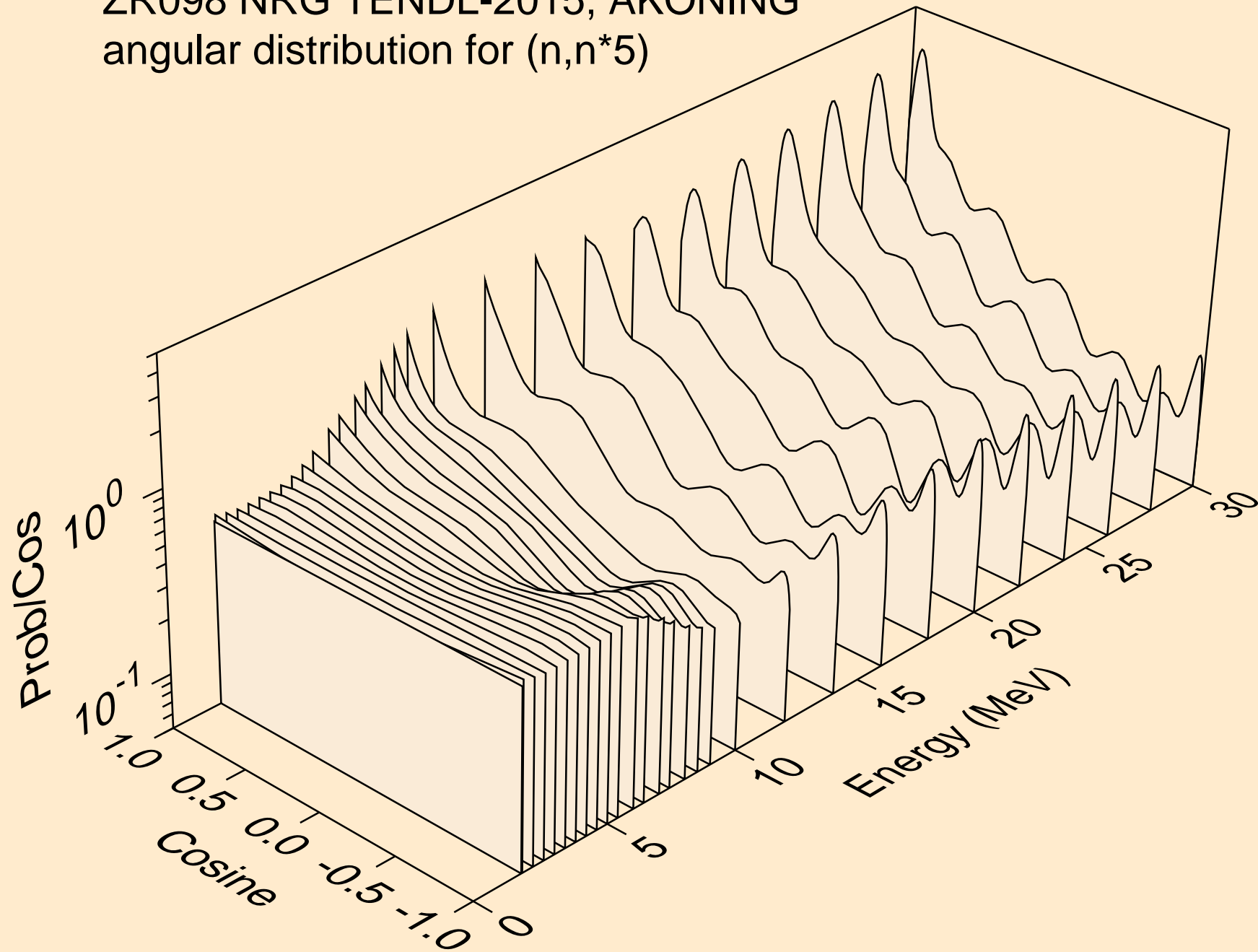
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



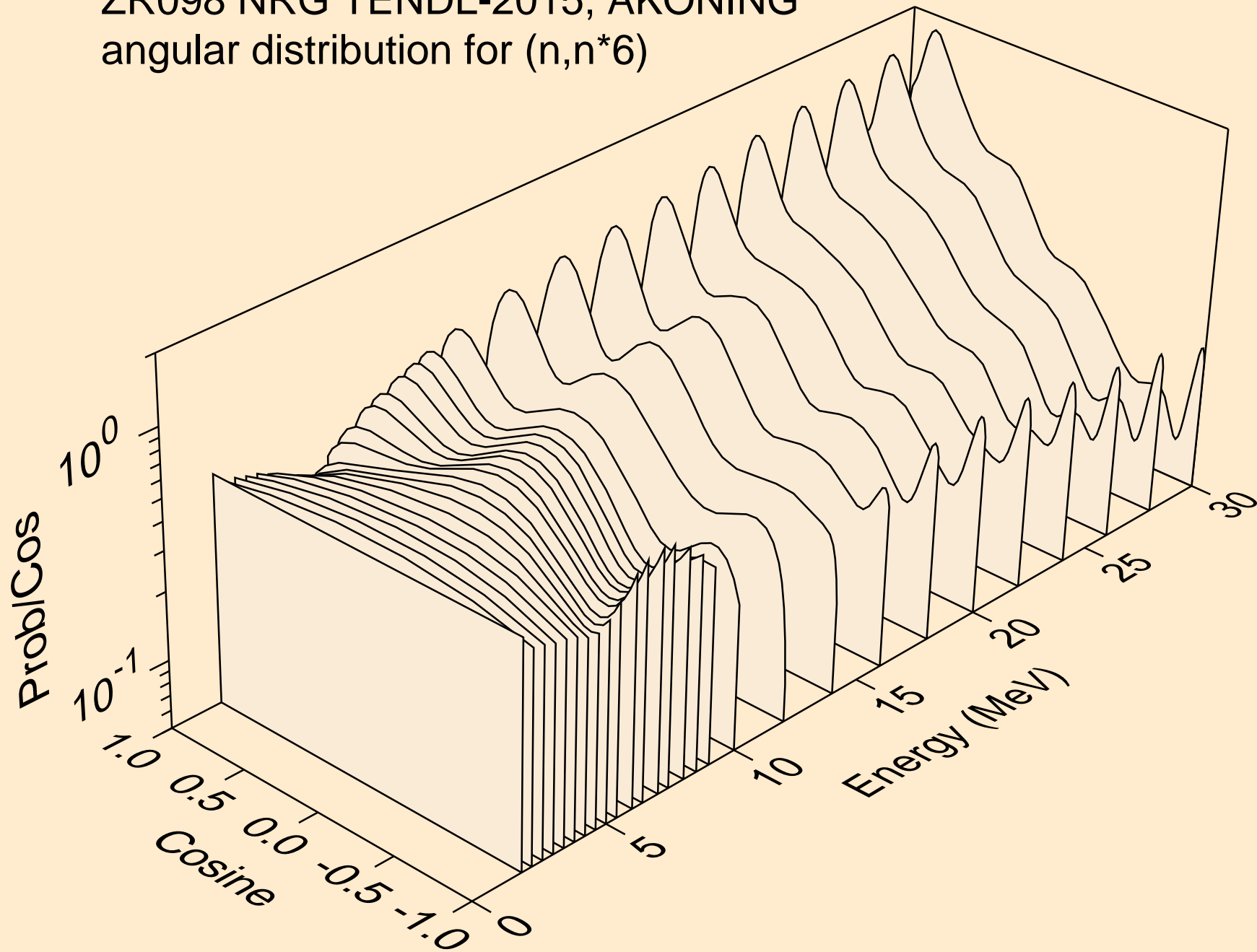
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



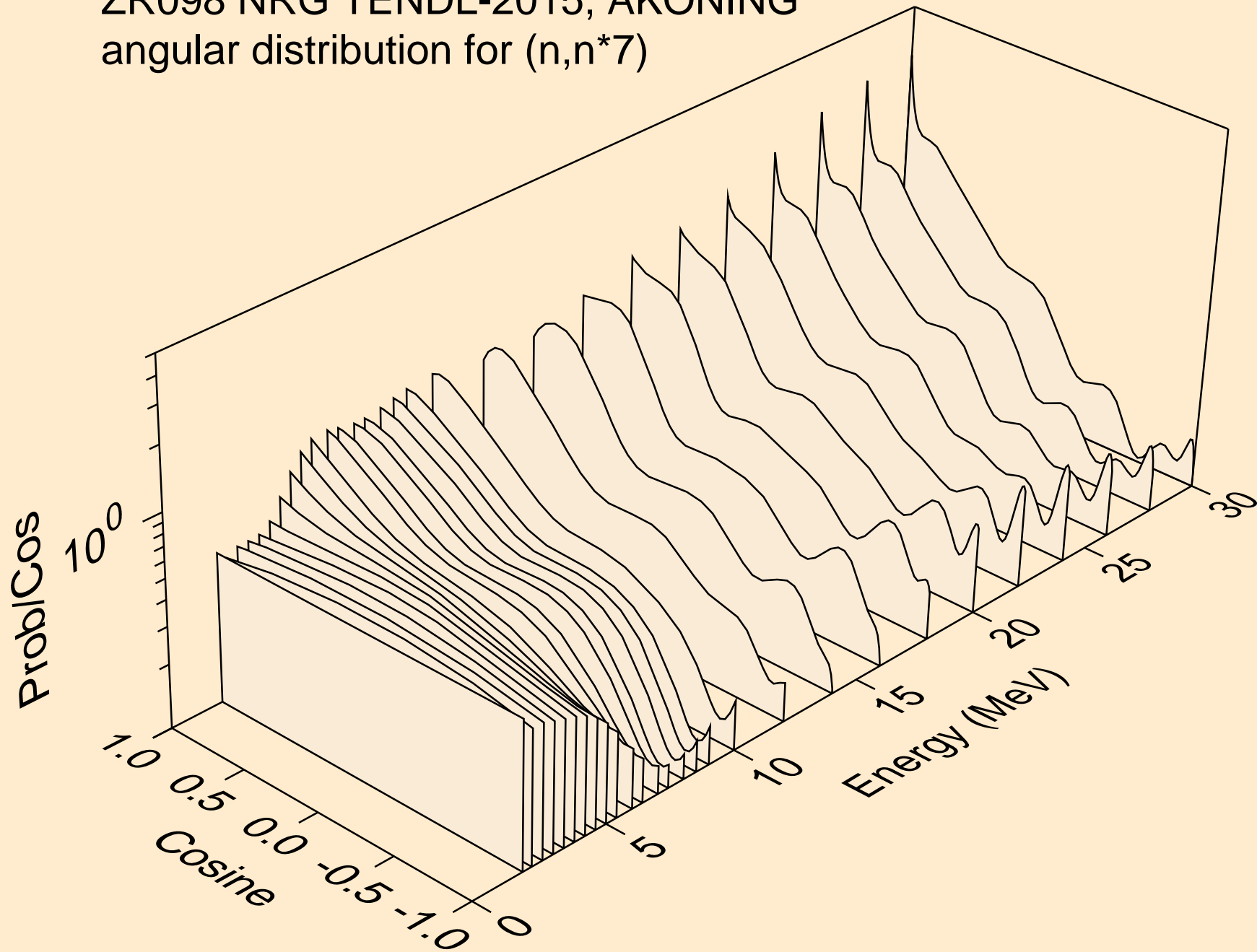
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

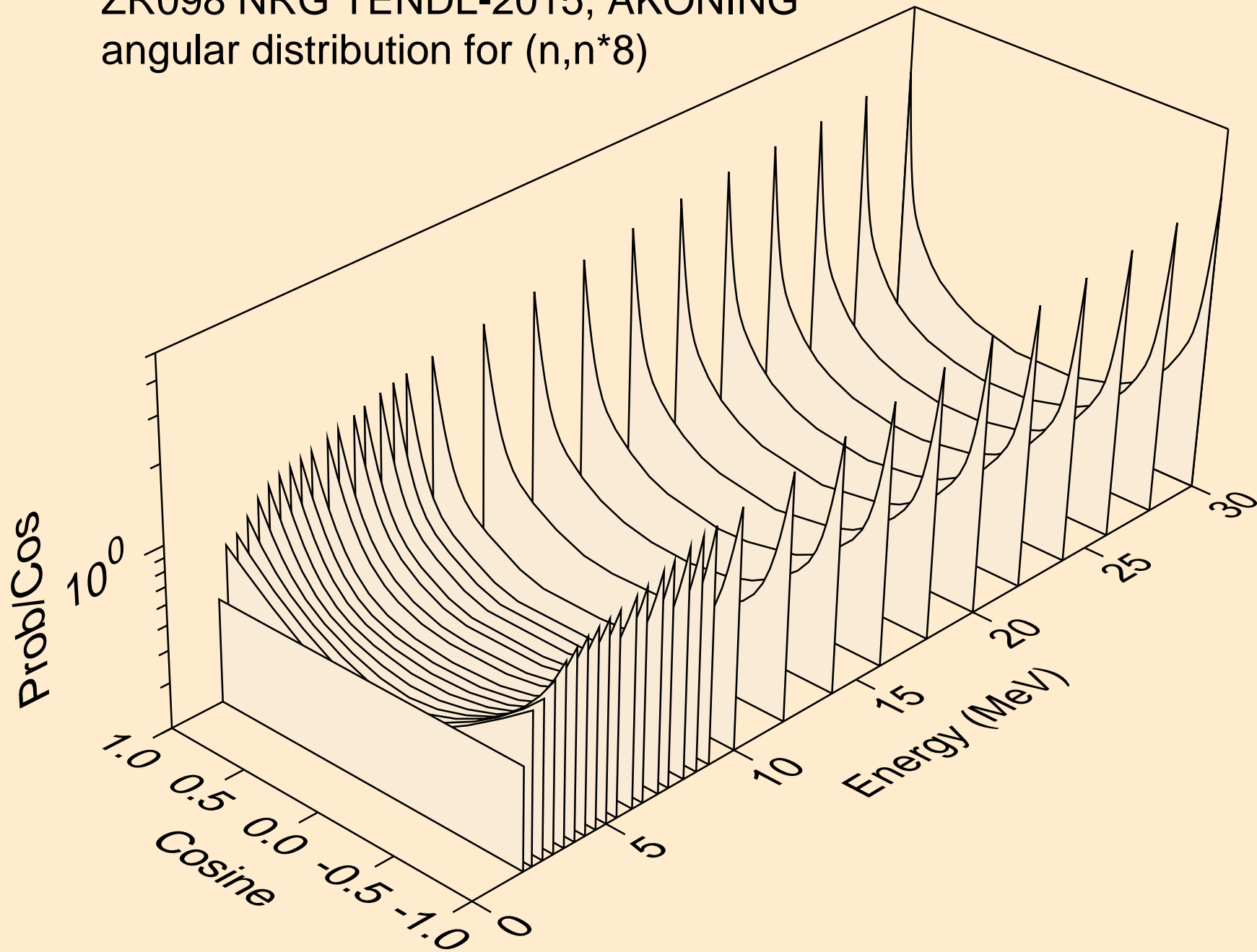


ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

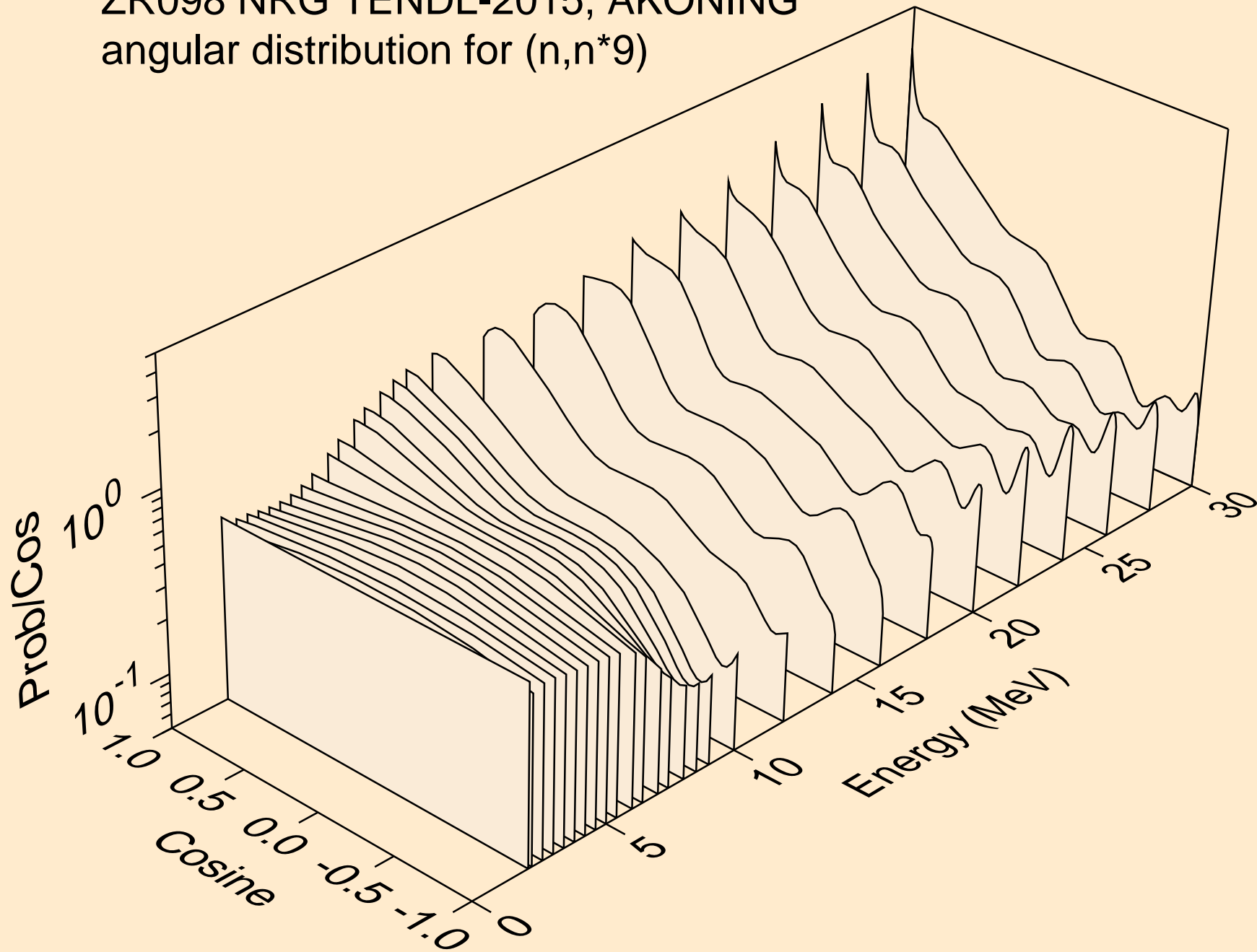




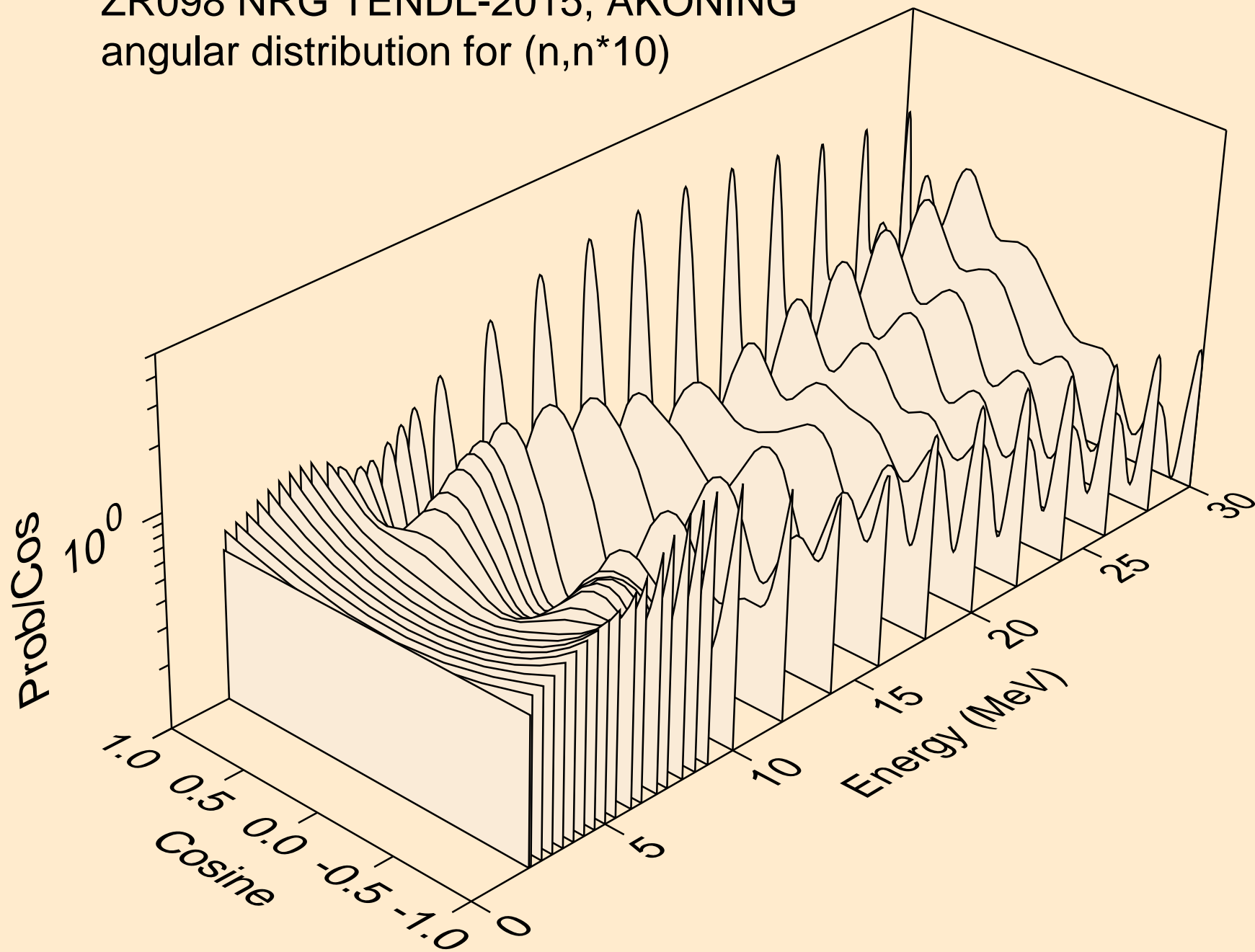
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angular distribution for (n,n\*8)



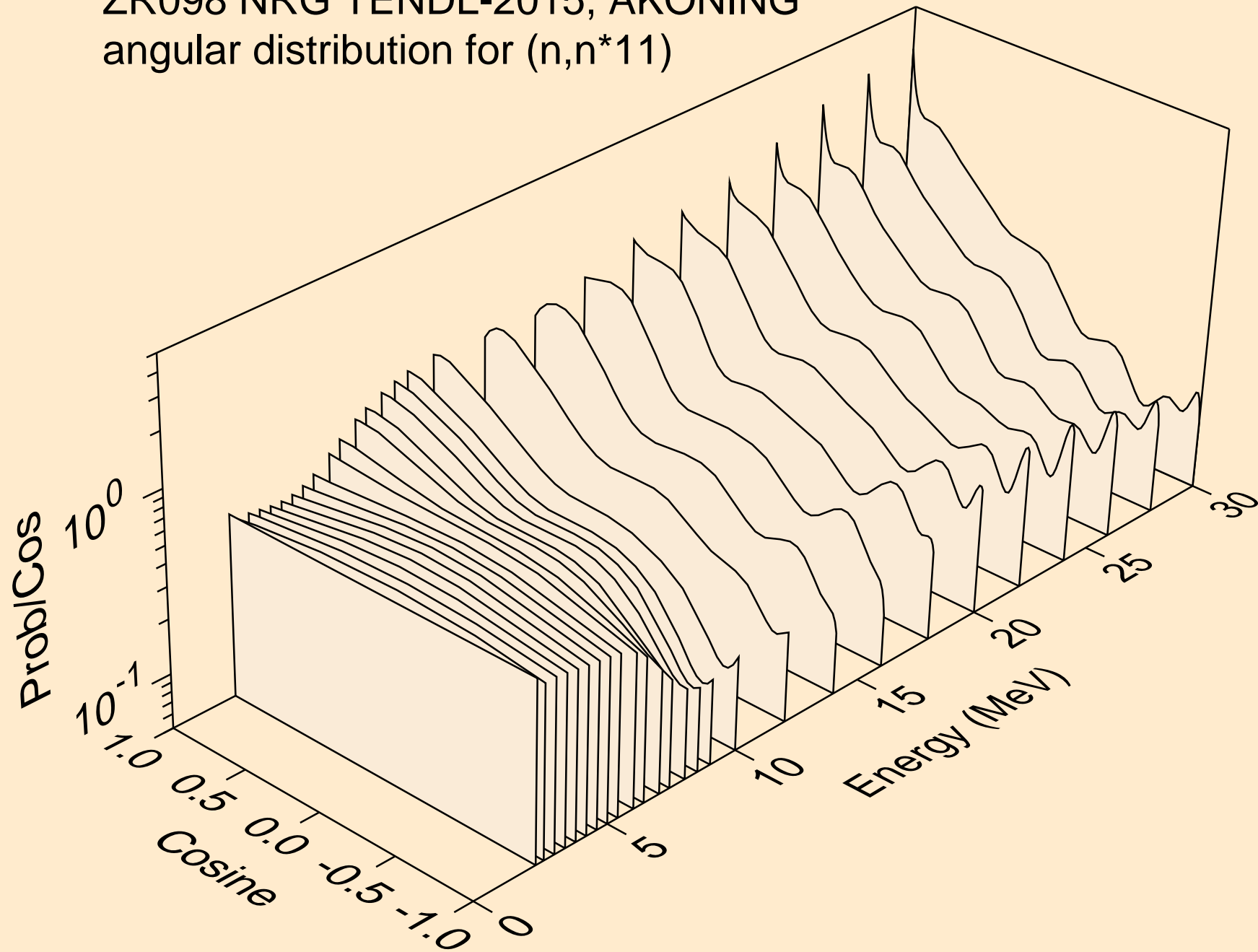
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angular distribution for (n,n\*9)



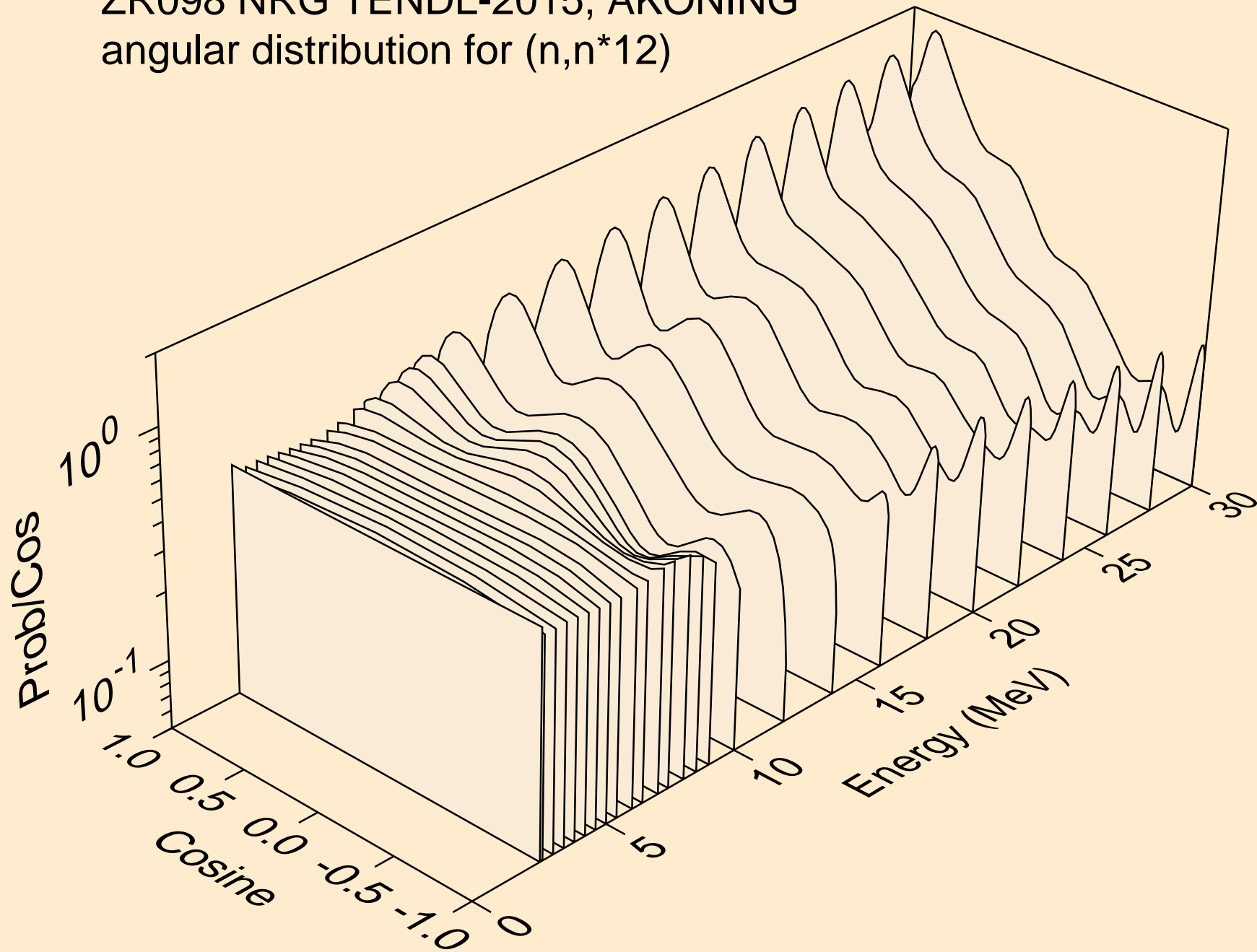
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angular distribution for (n,n\*10)



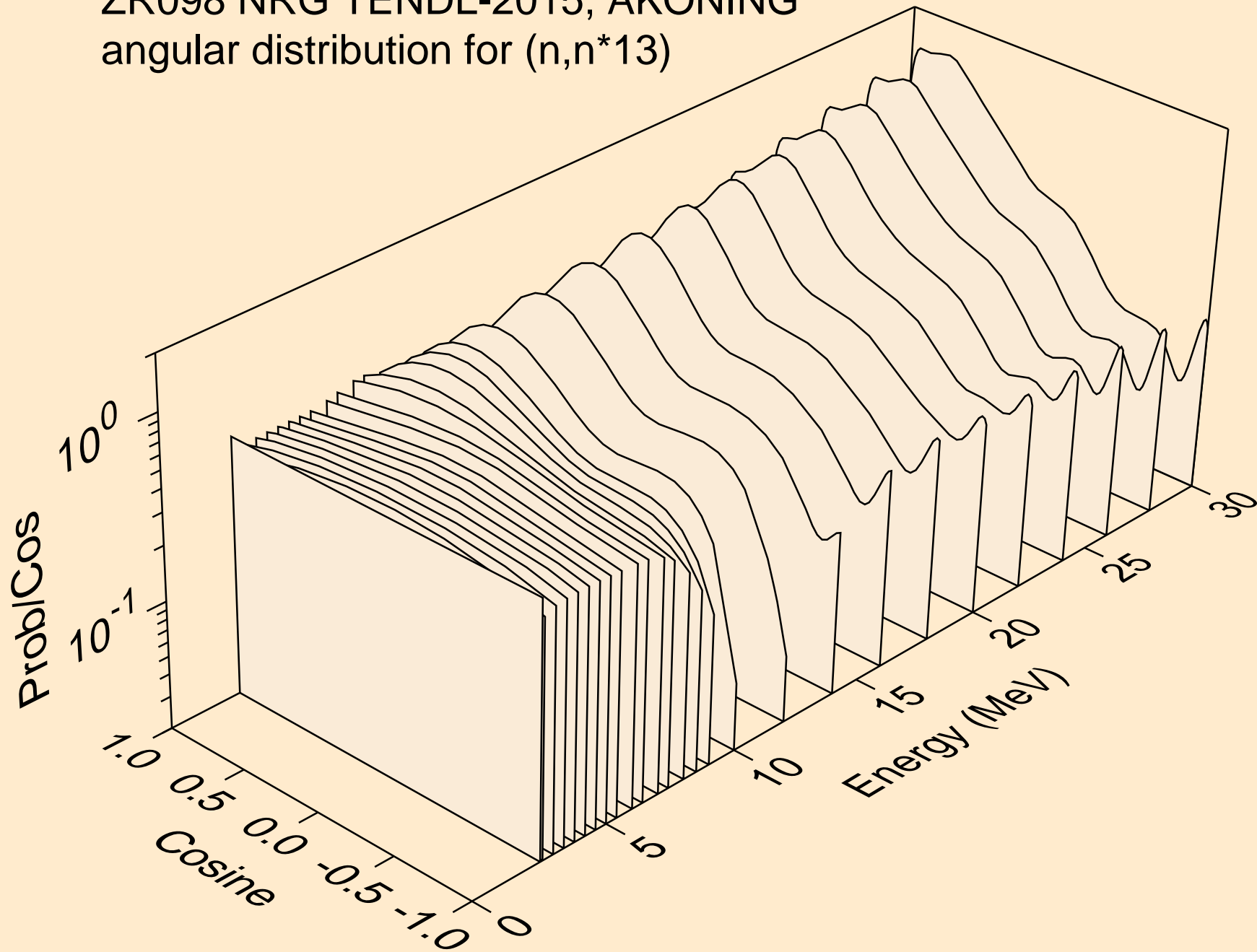
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angular distribution for (n,n\*11)



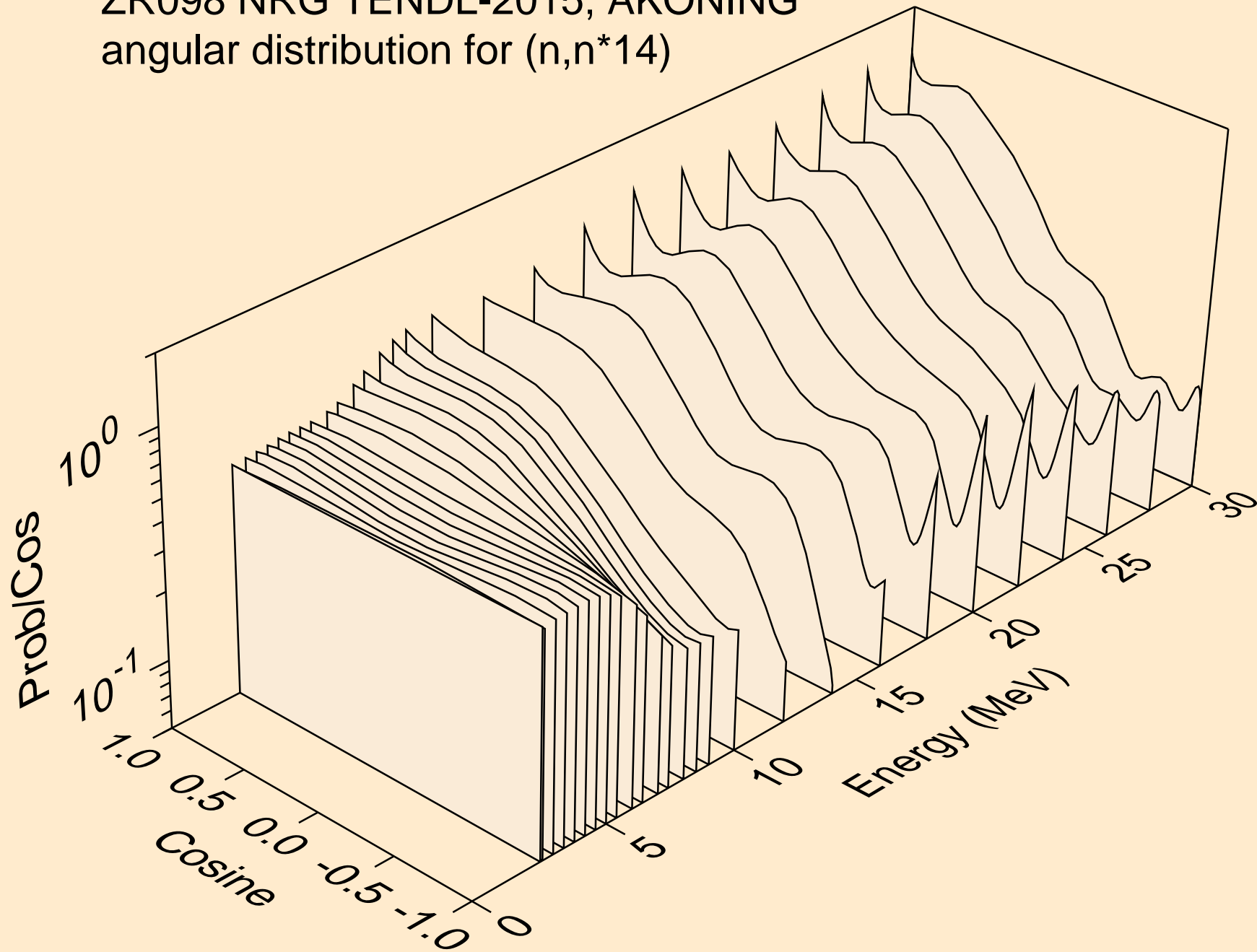
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angular distribution for (n,n\*12)



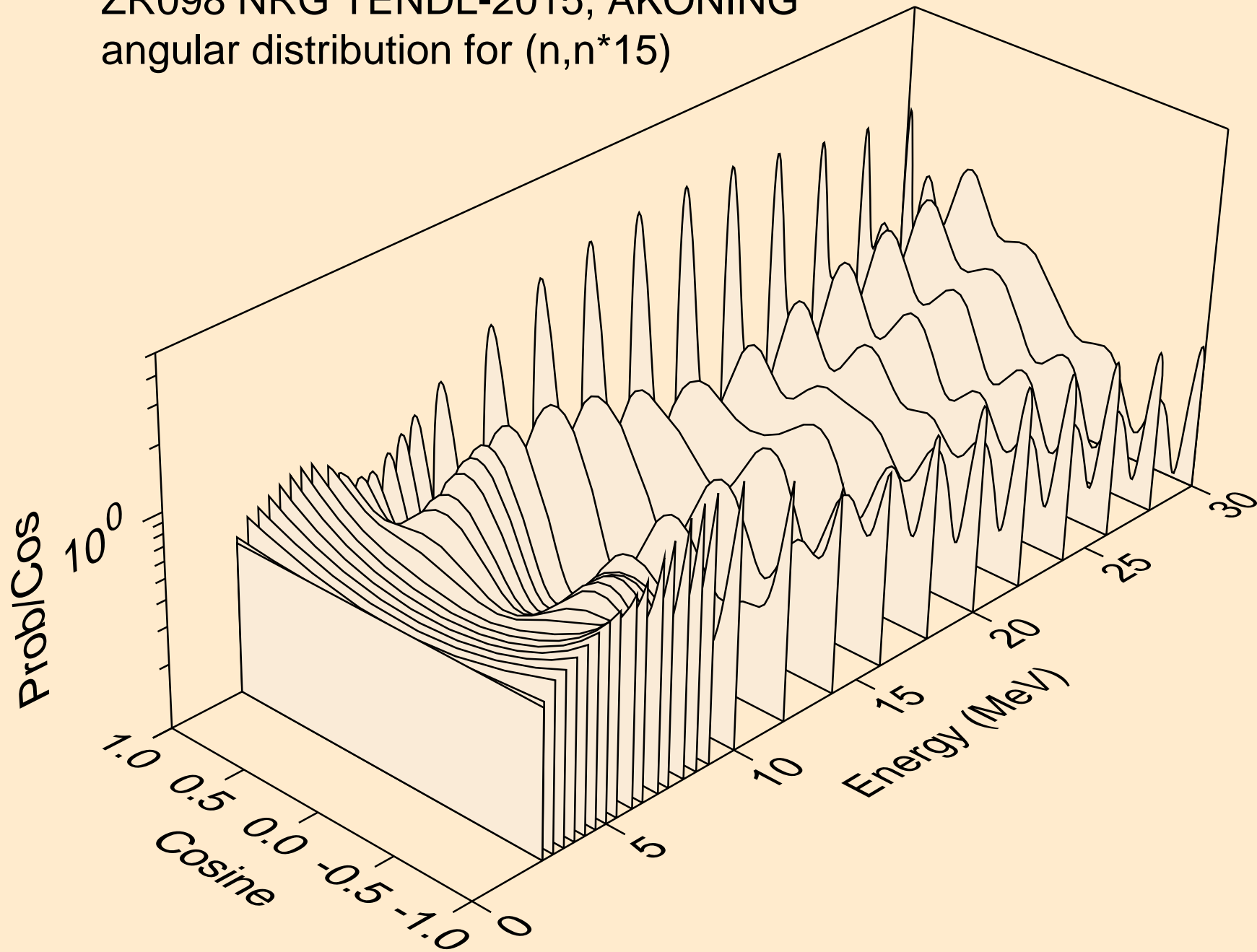
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

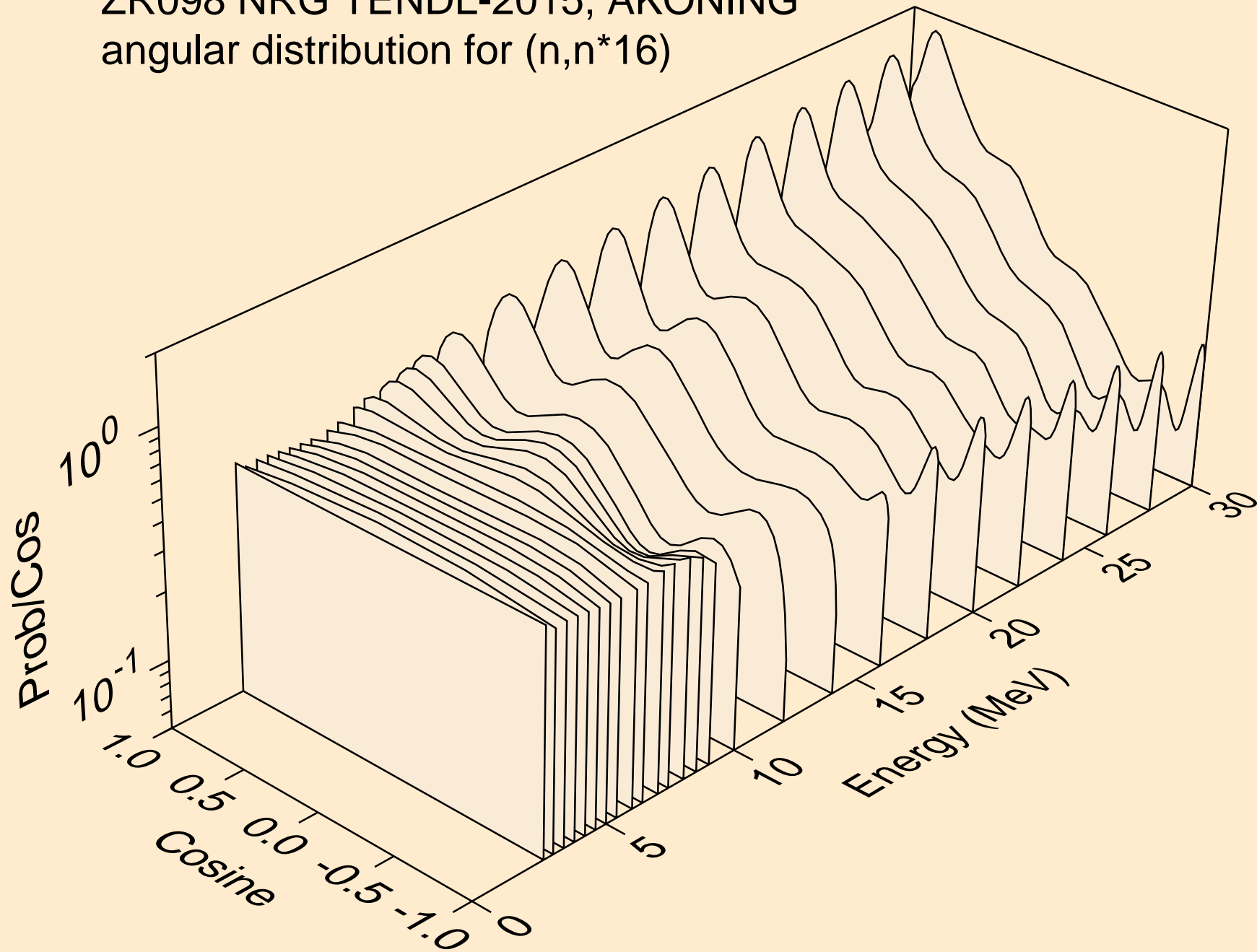


ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

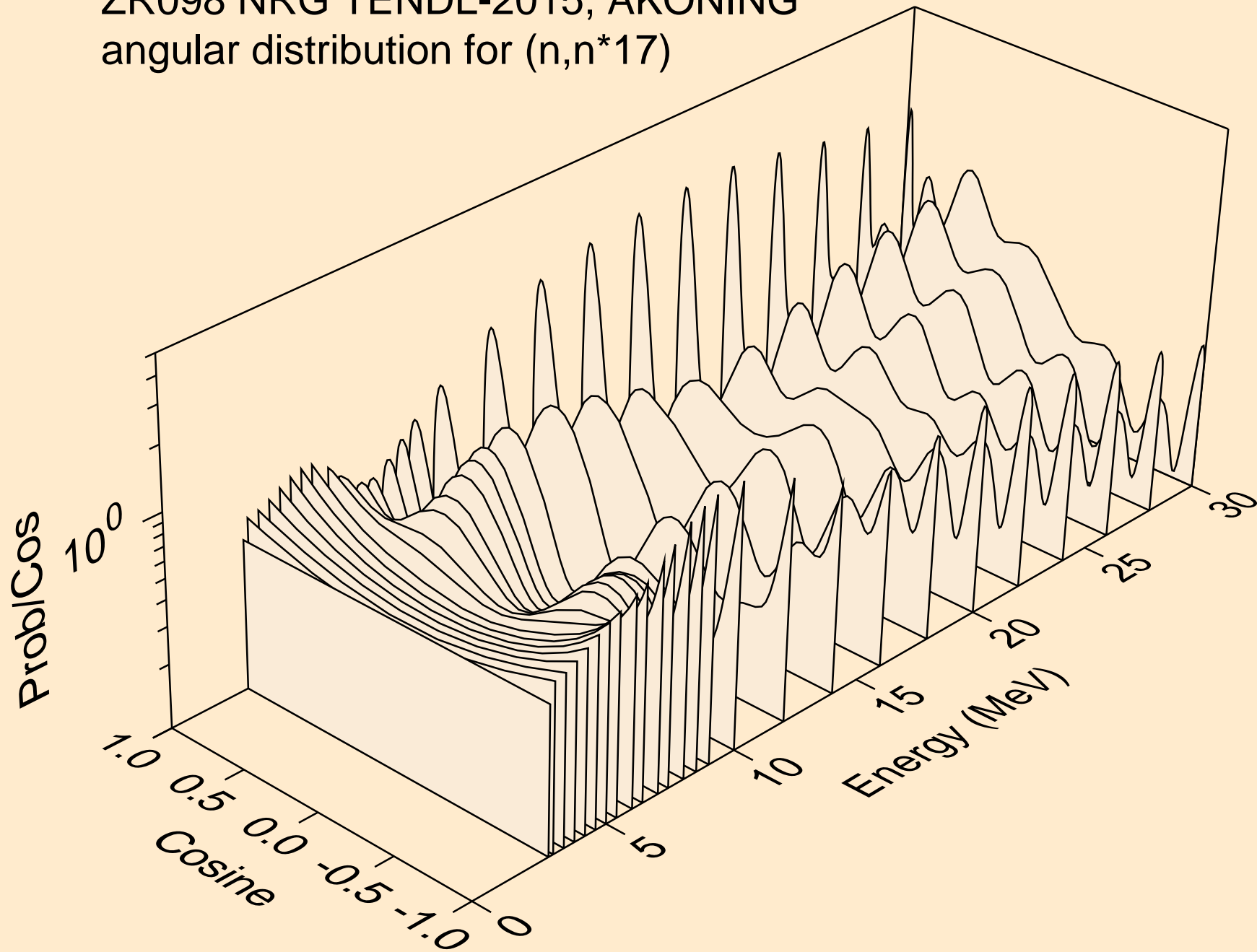




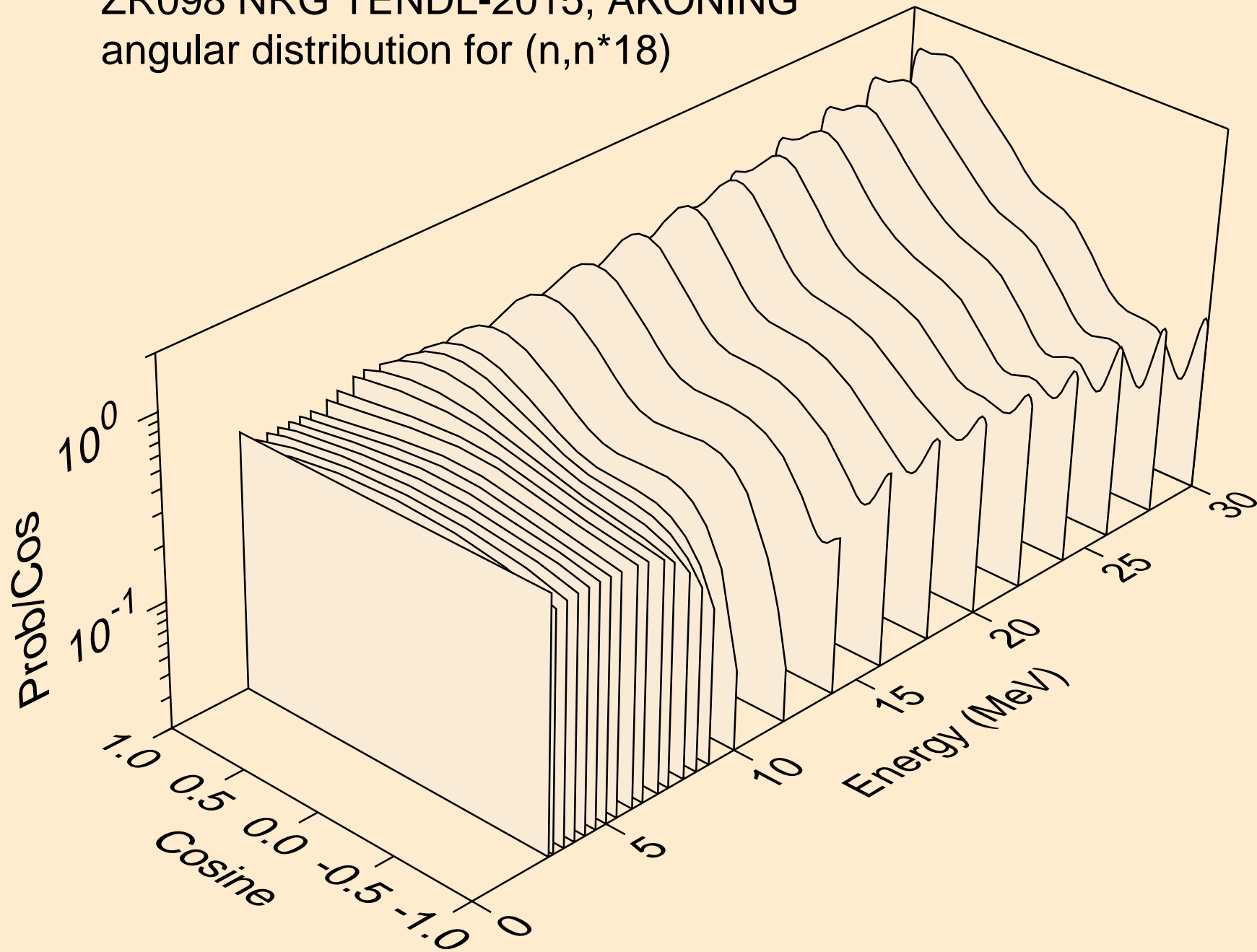
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angular distribution for (n,n\*16)



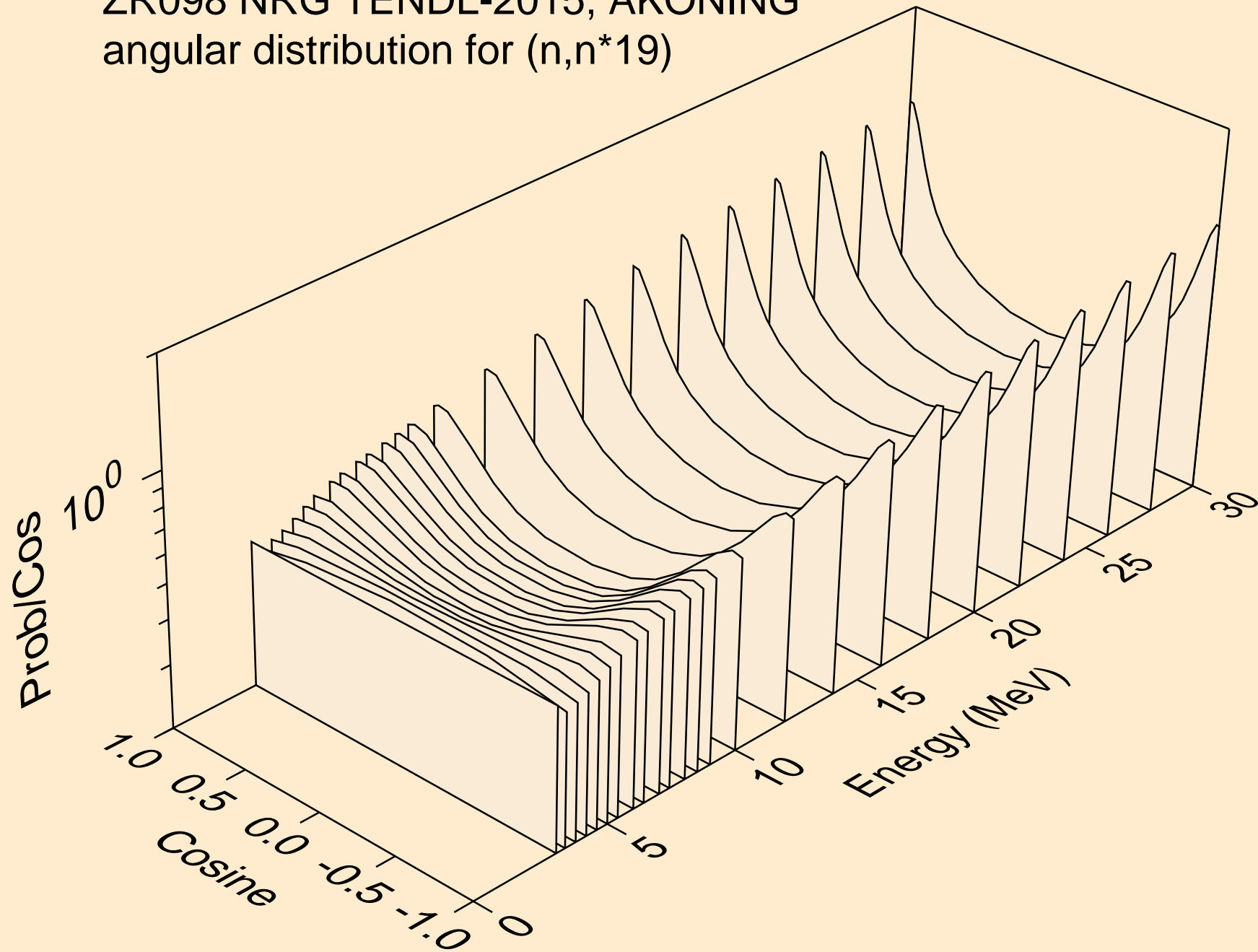
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angular distribution for (n,n\*17)



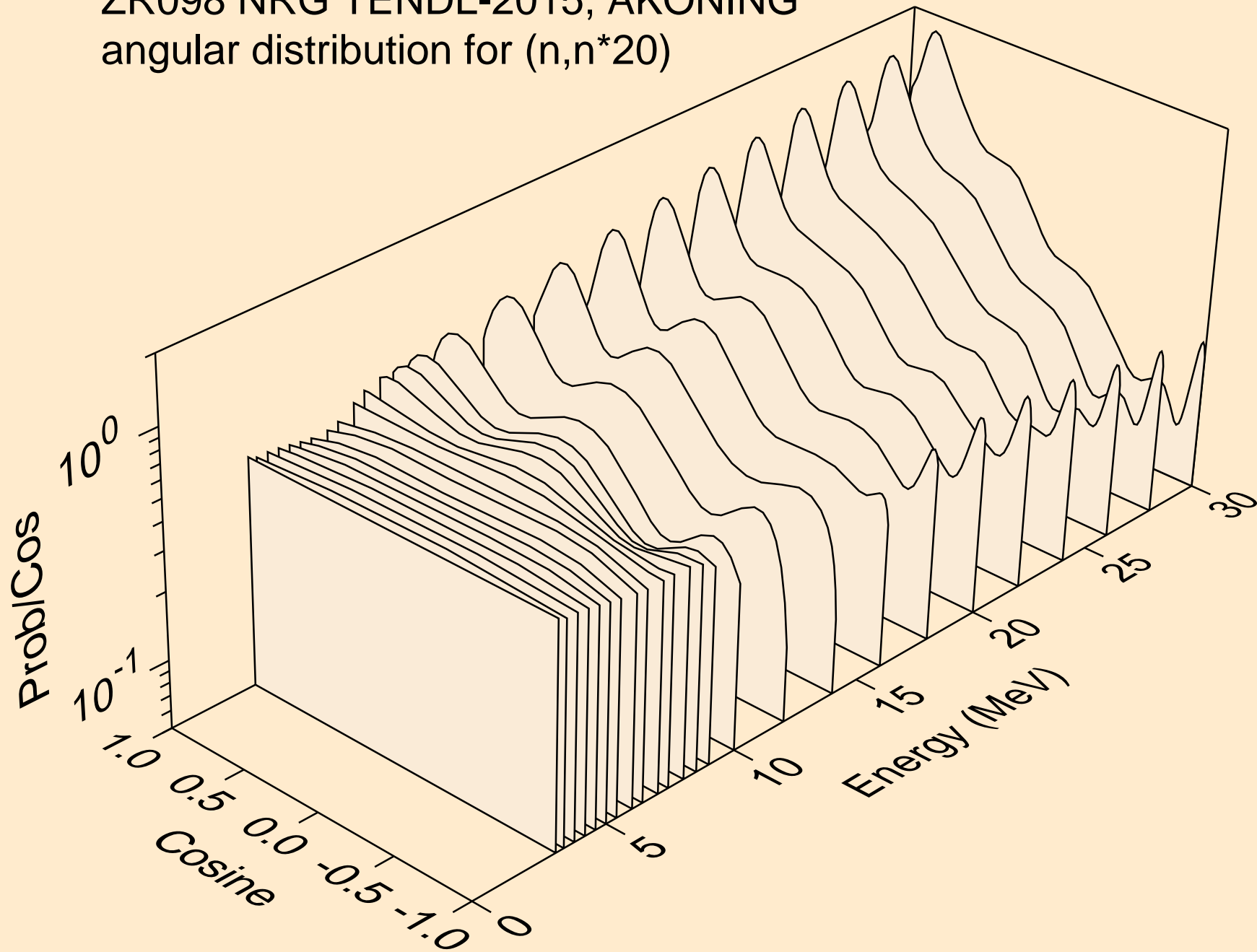
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angular distribution for (n,n\*18)



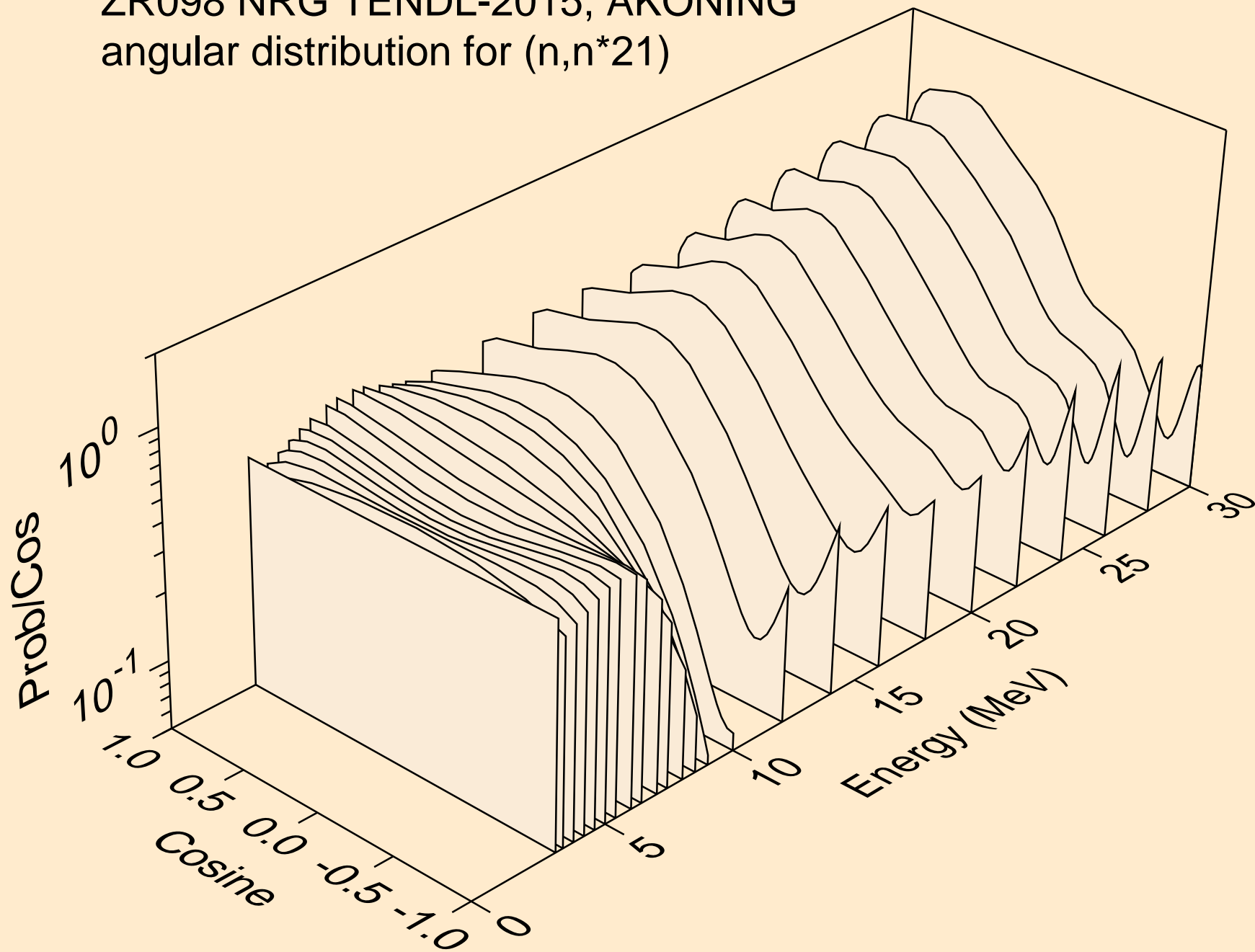
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angular distribution for (n,n\*19)



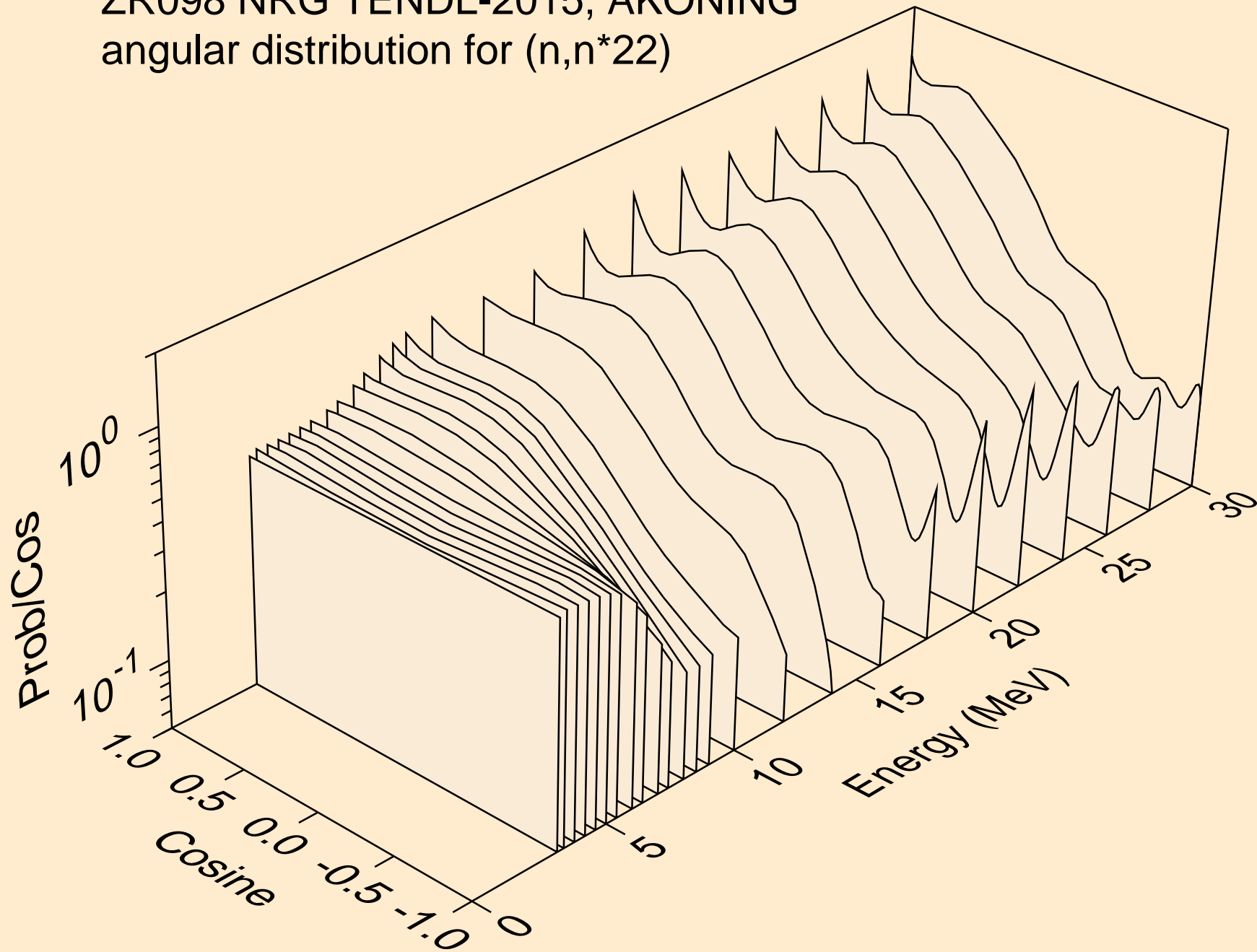
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



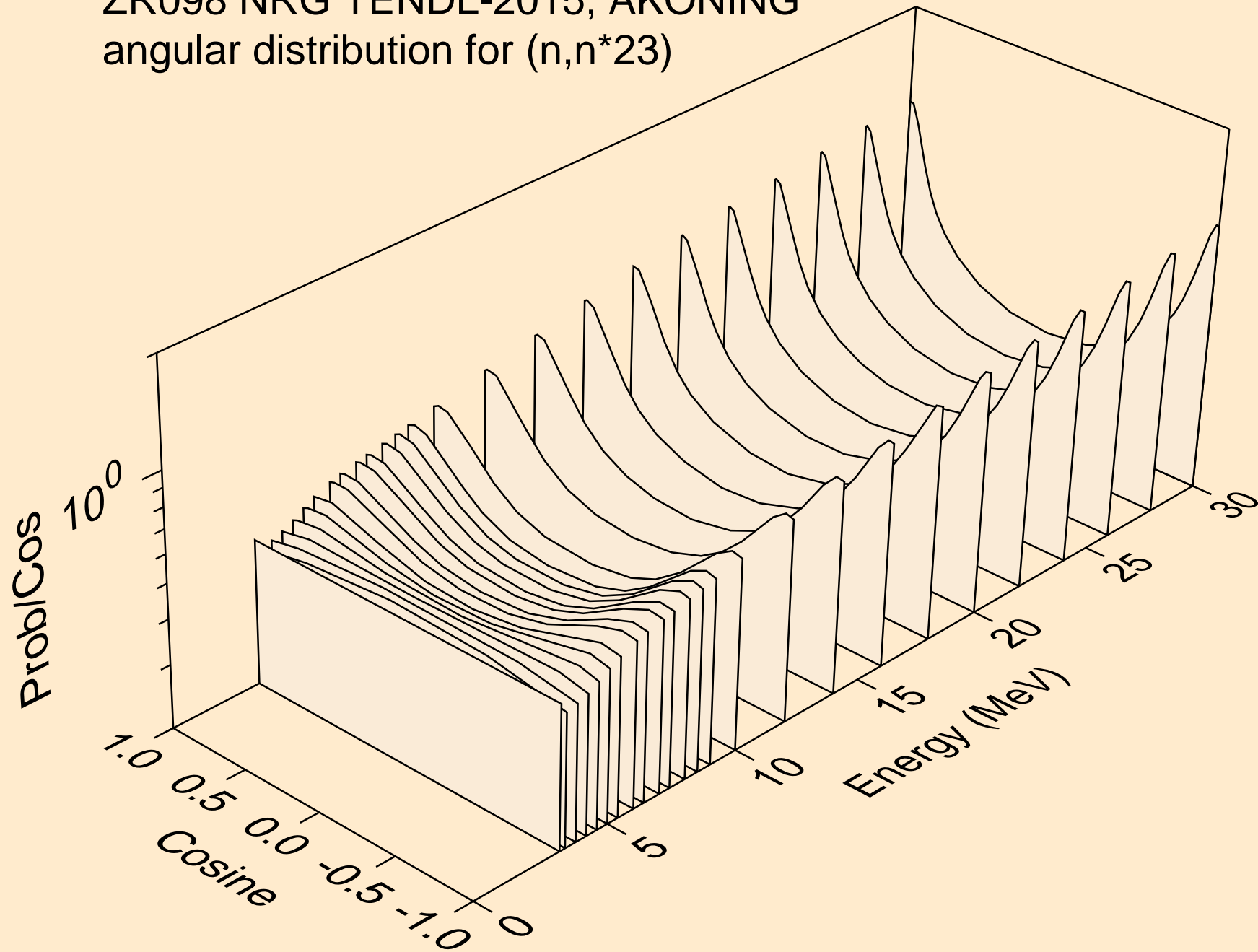
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

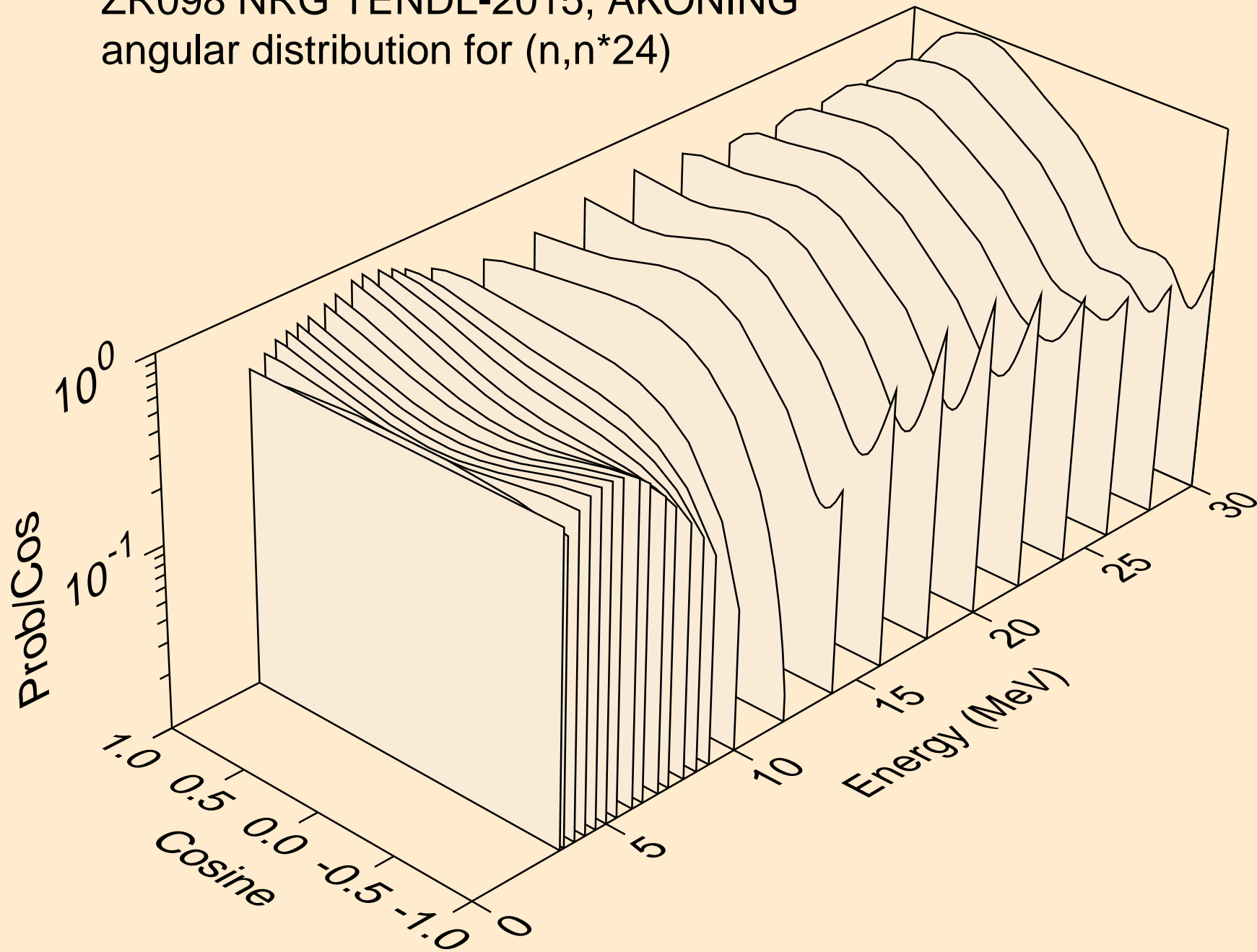


ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

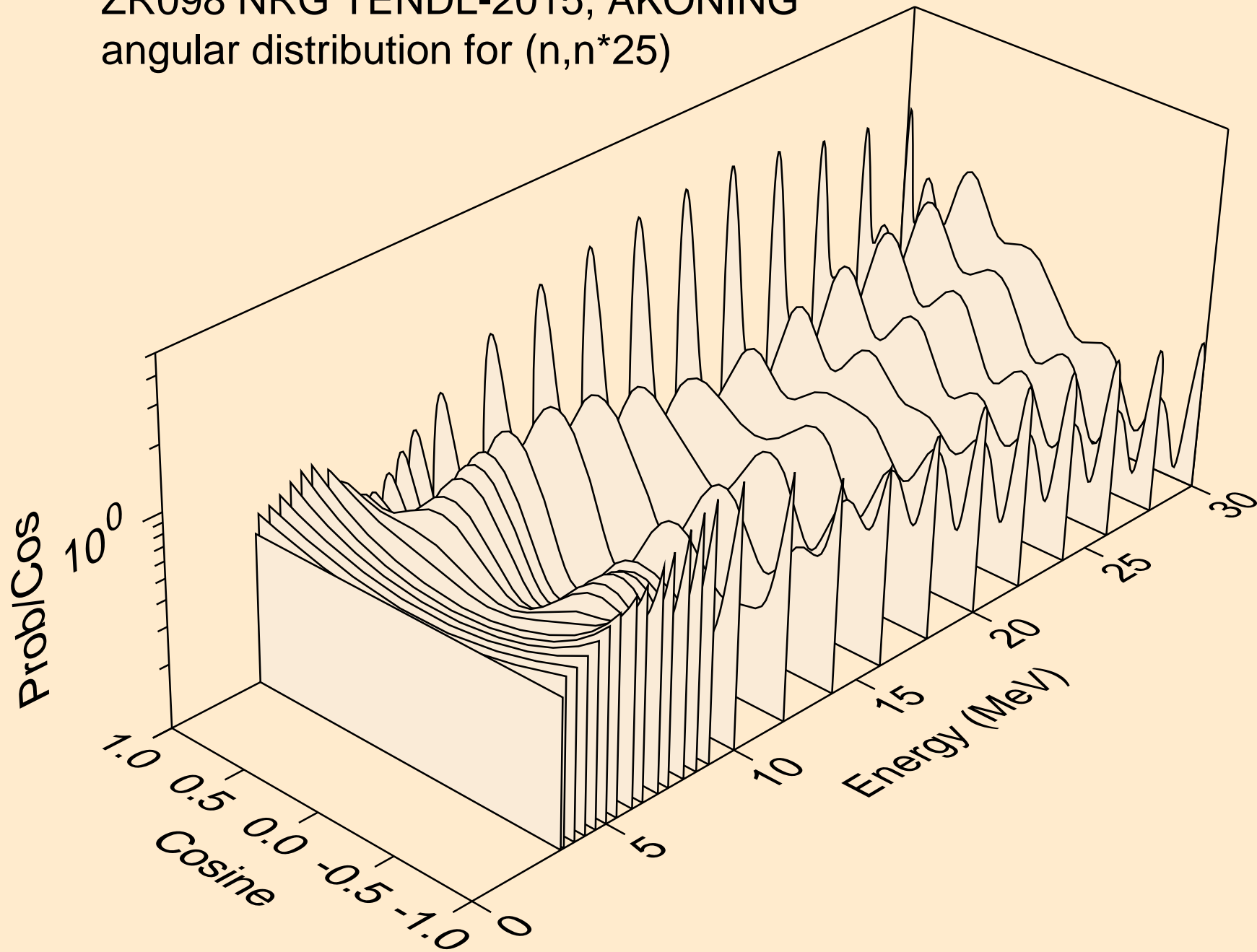




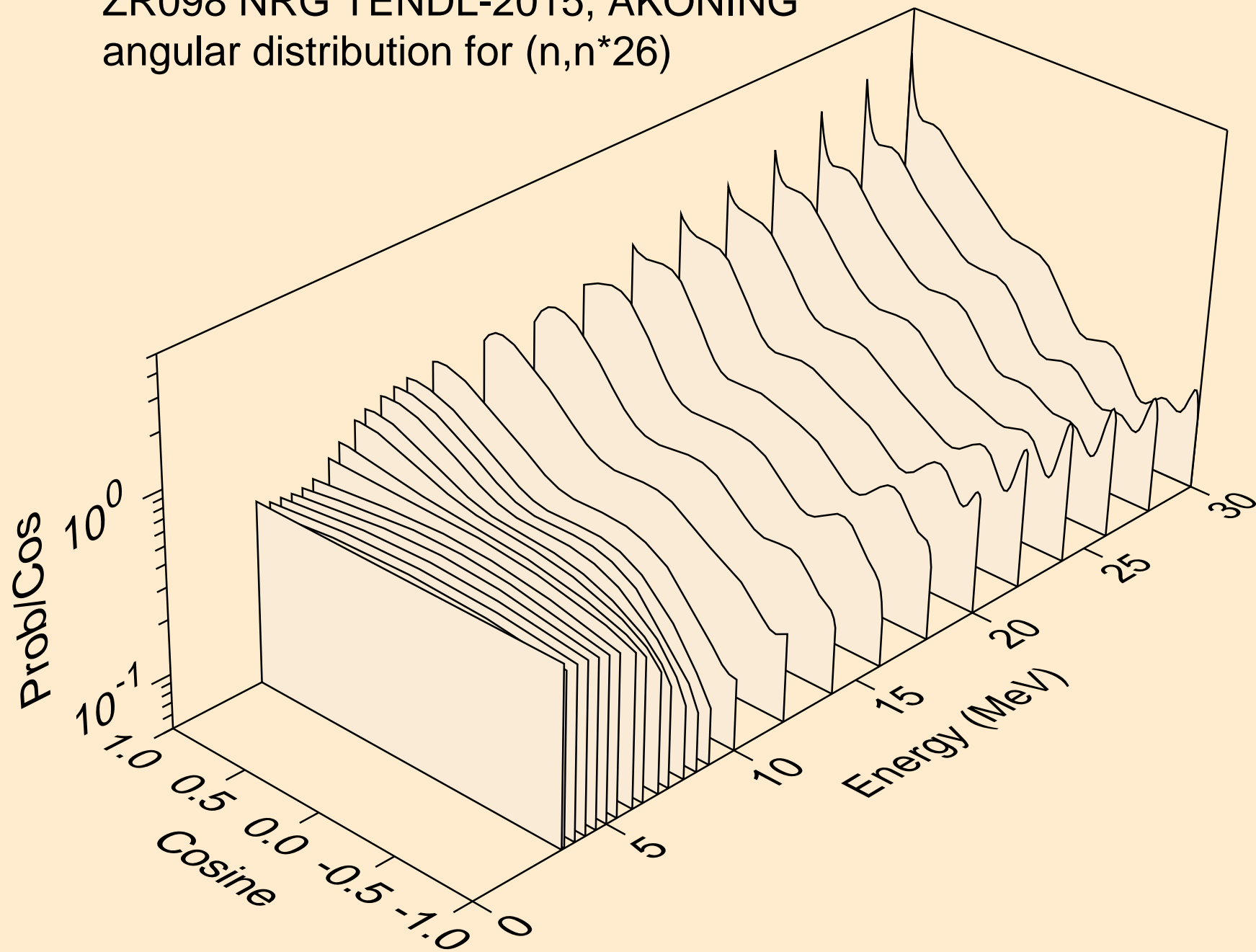
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angular distribution for (n,n\*24)



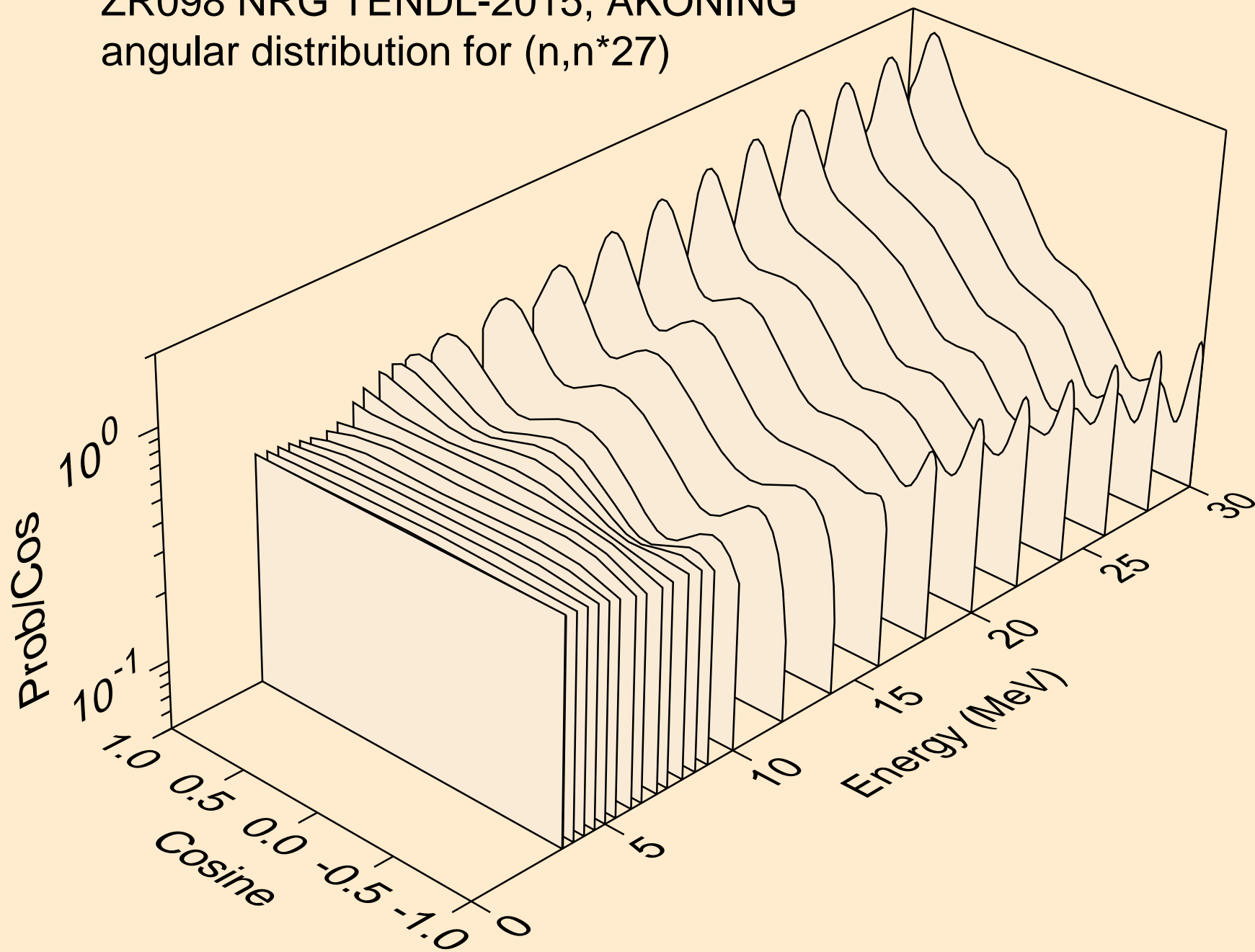
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angular distribution for (n,n\*25)



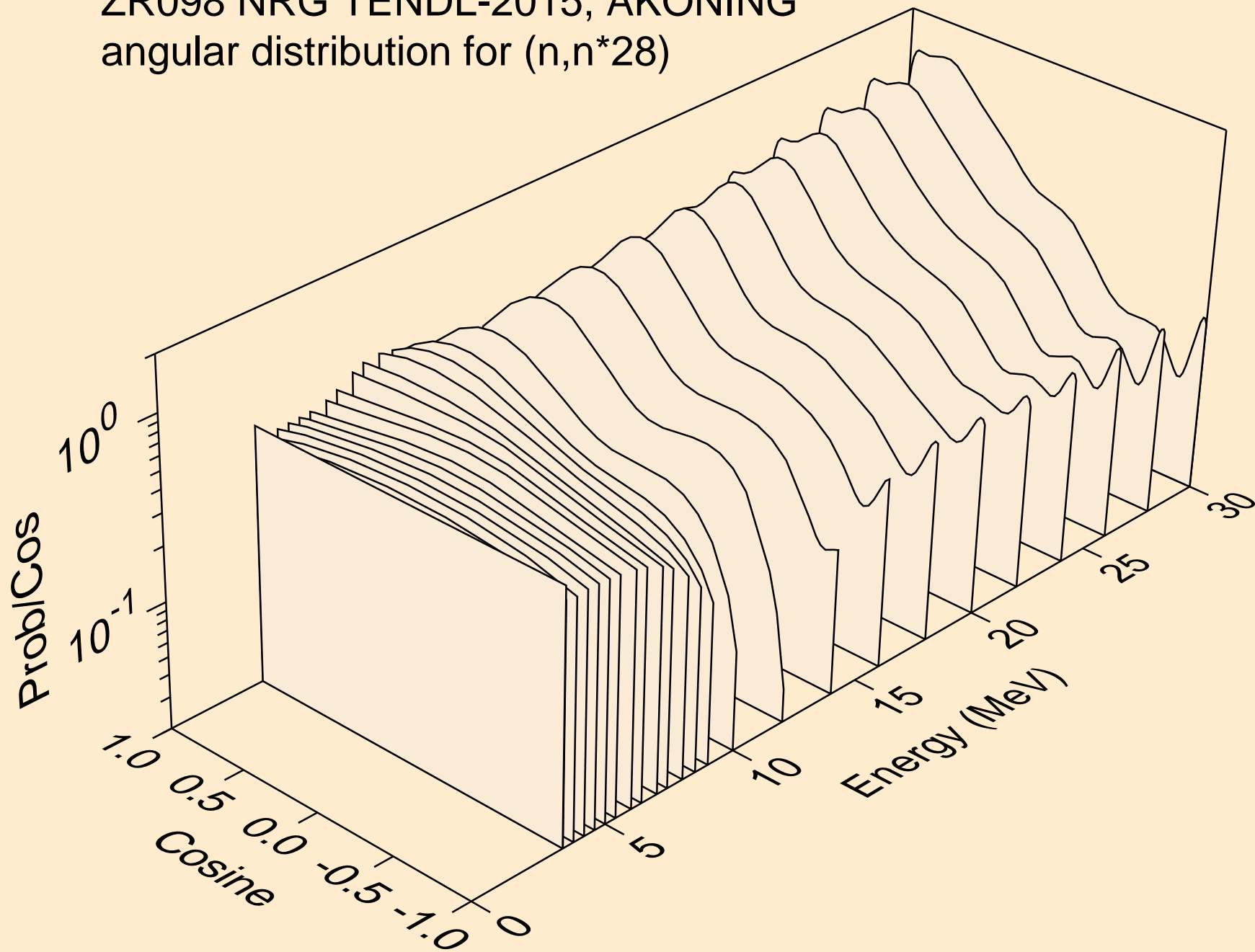
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angular distribution for (n,n\*26)



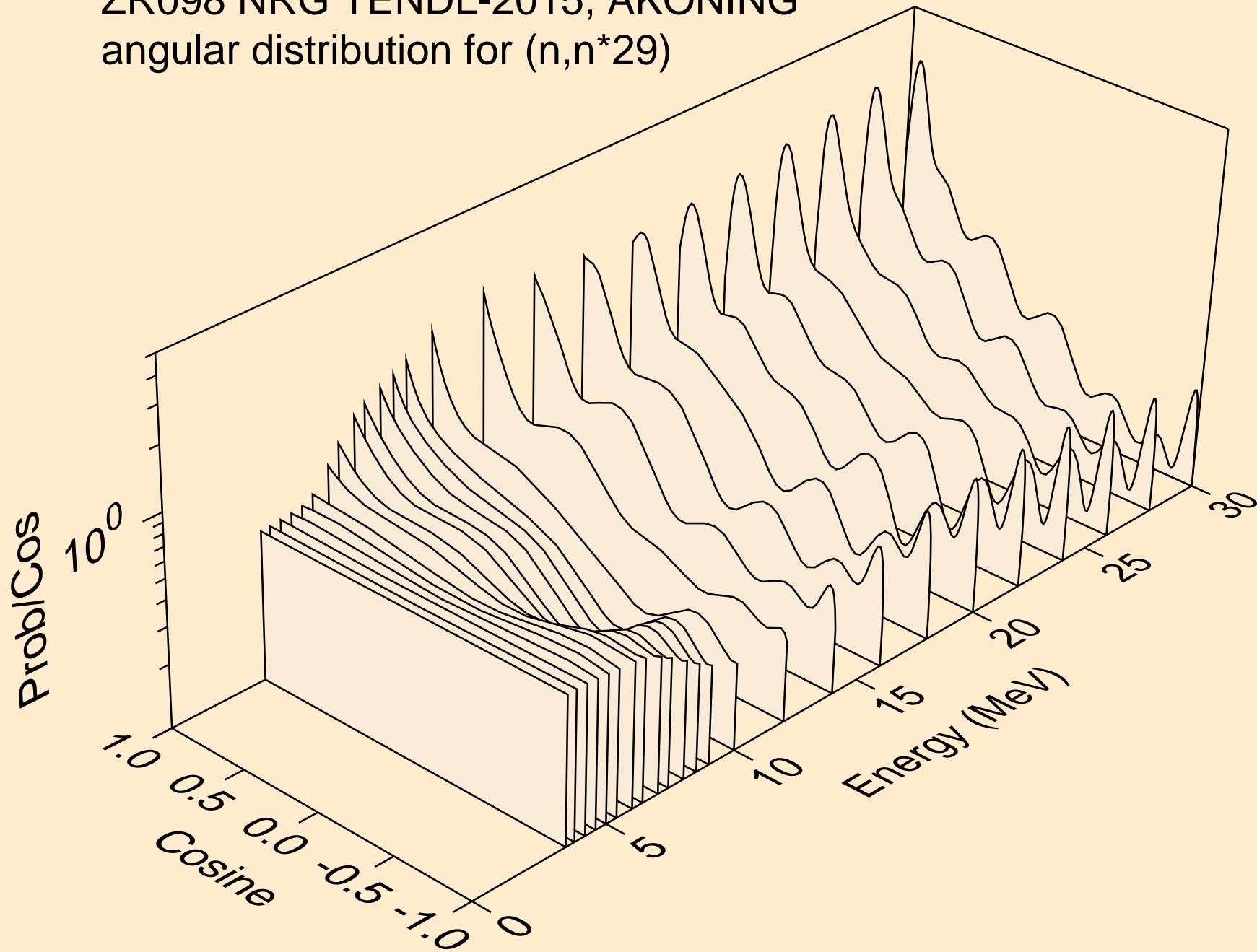
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angular distribution for (n,n\*27)



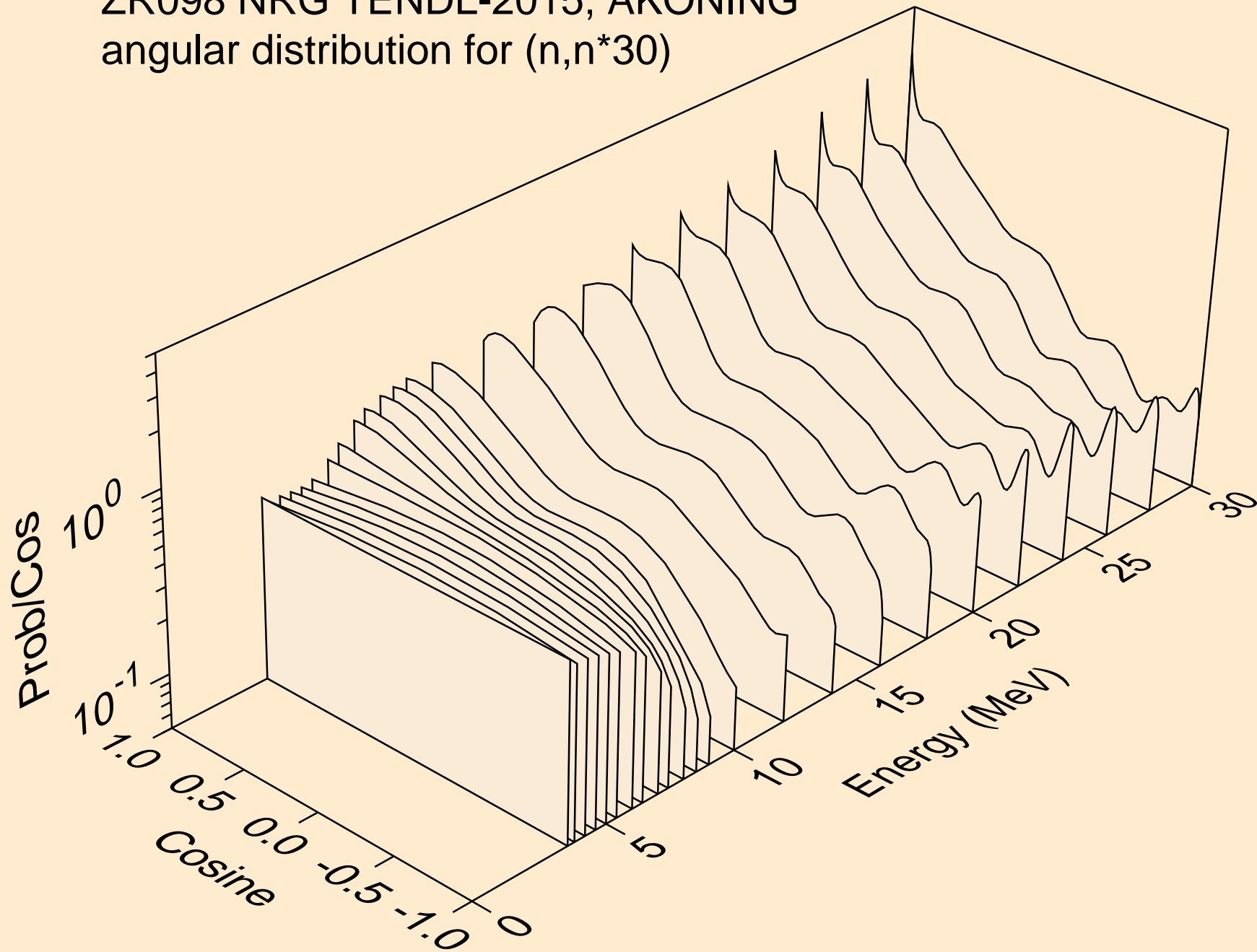
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angular distribution for (n,n\*28)



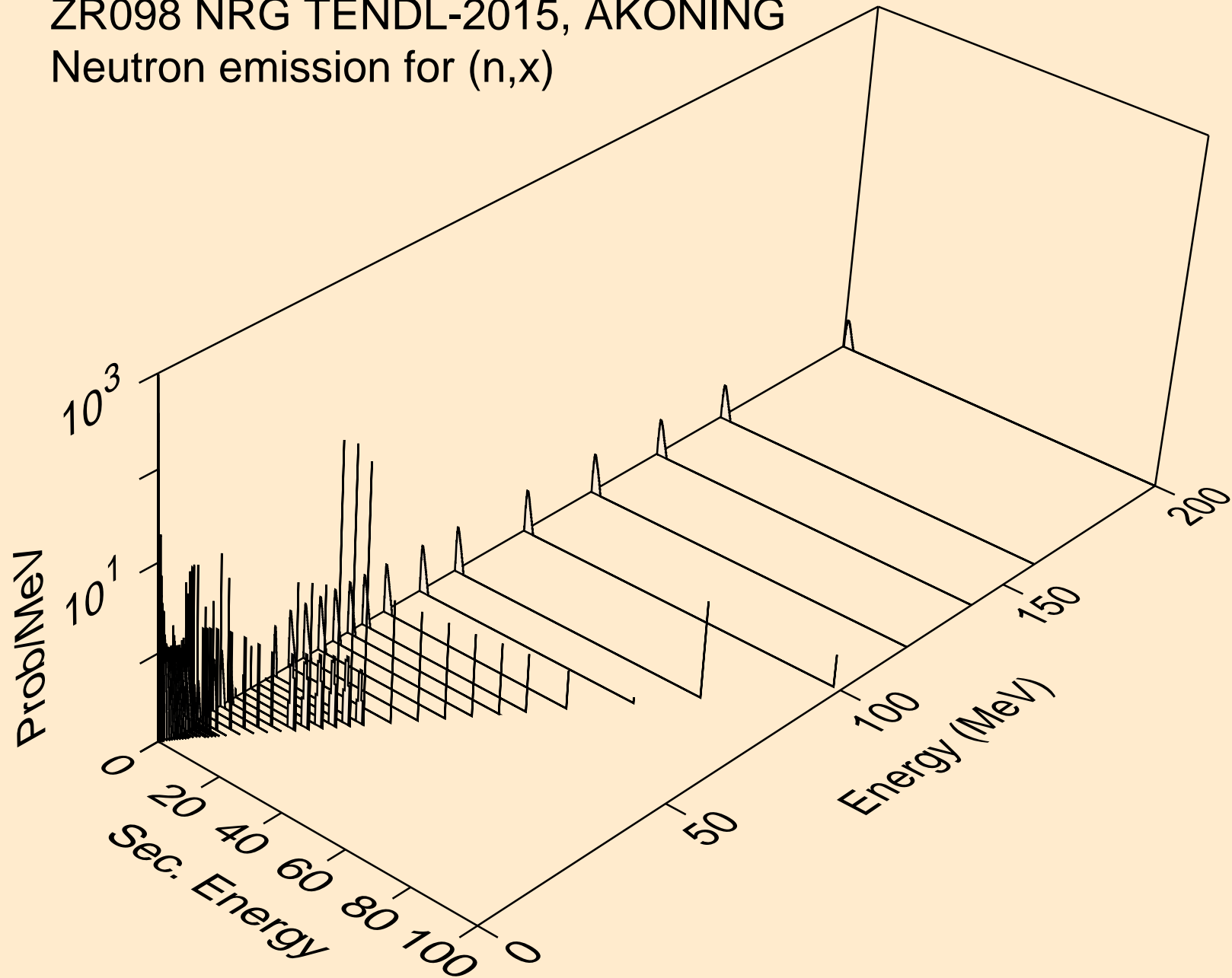
ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



ZR098 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

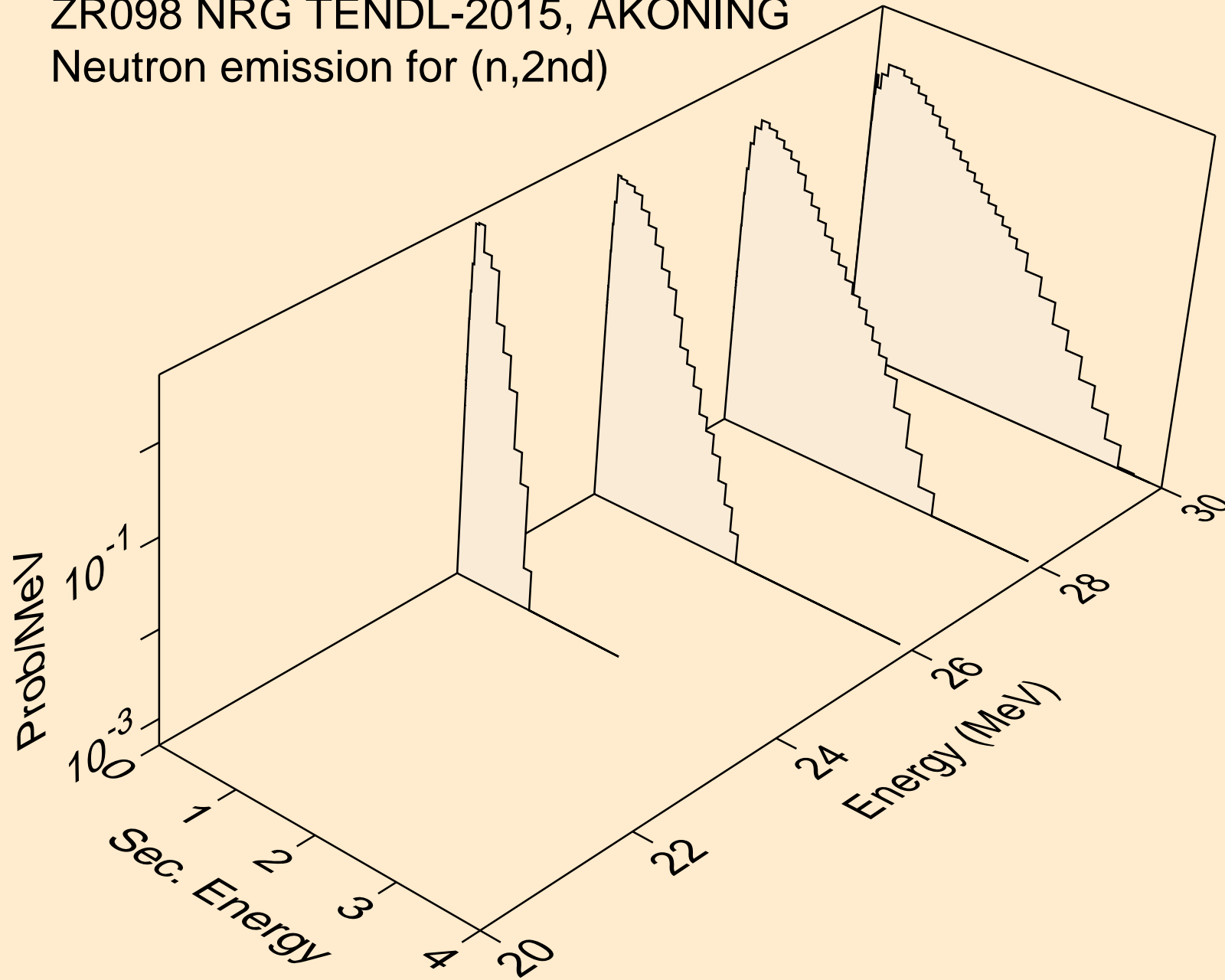


ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

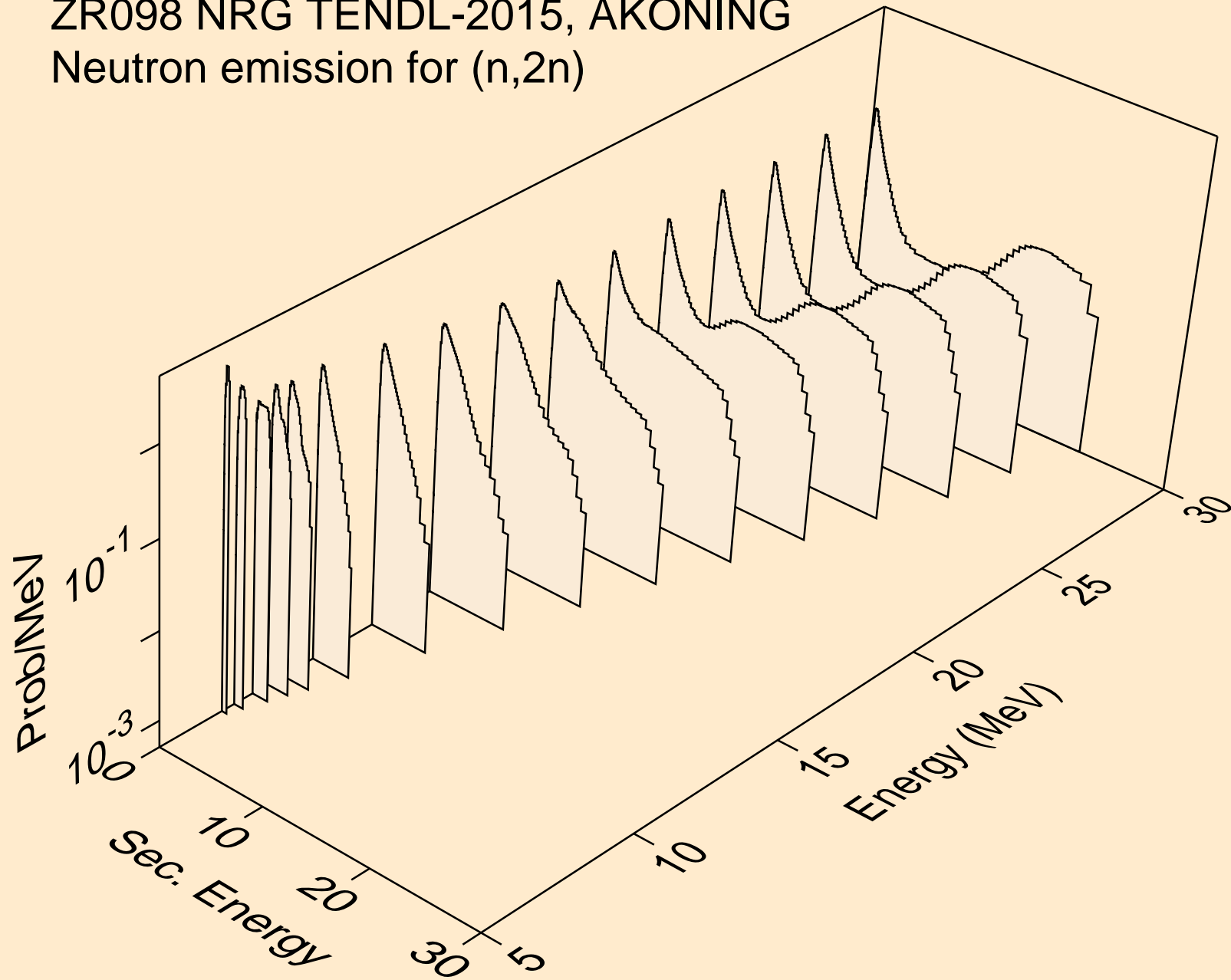




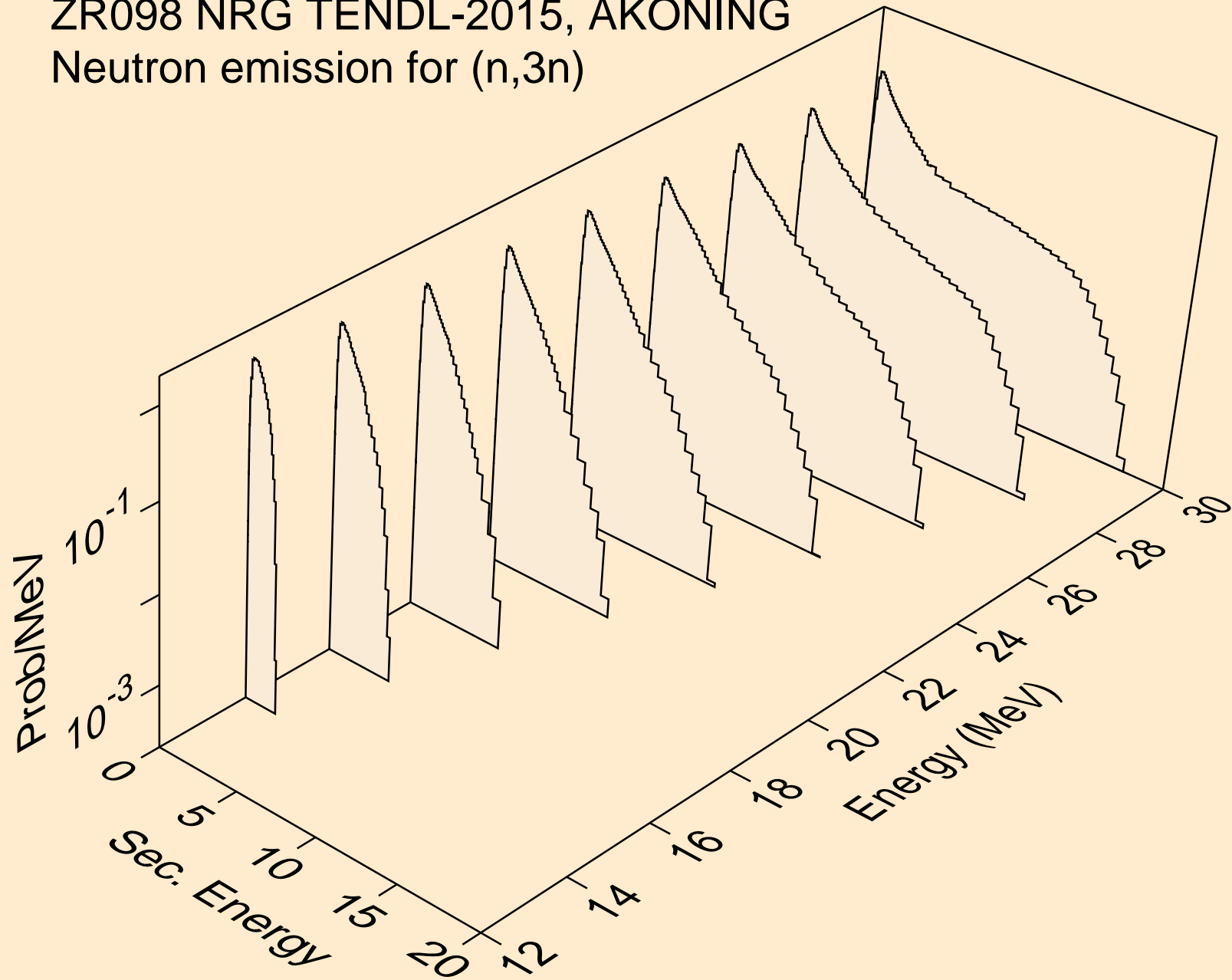
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



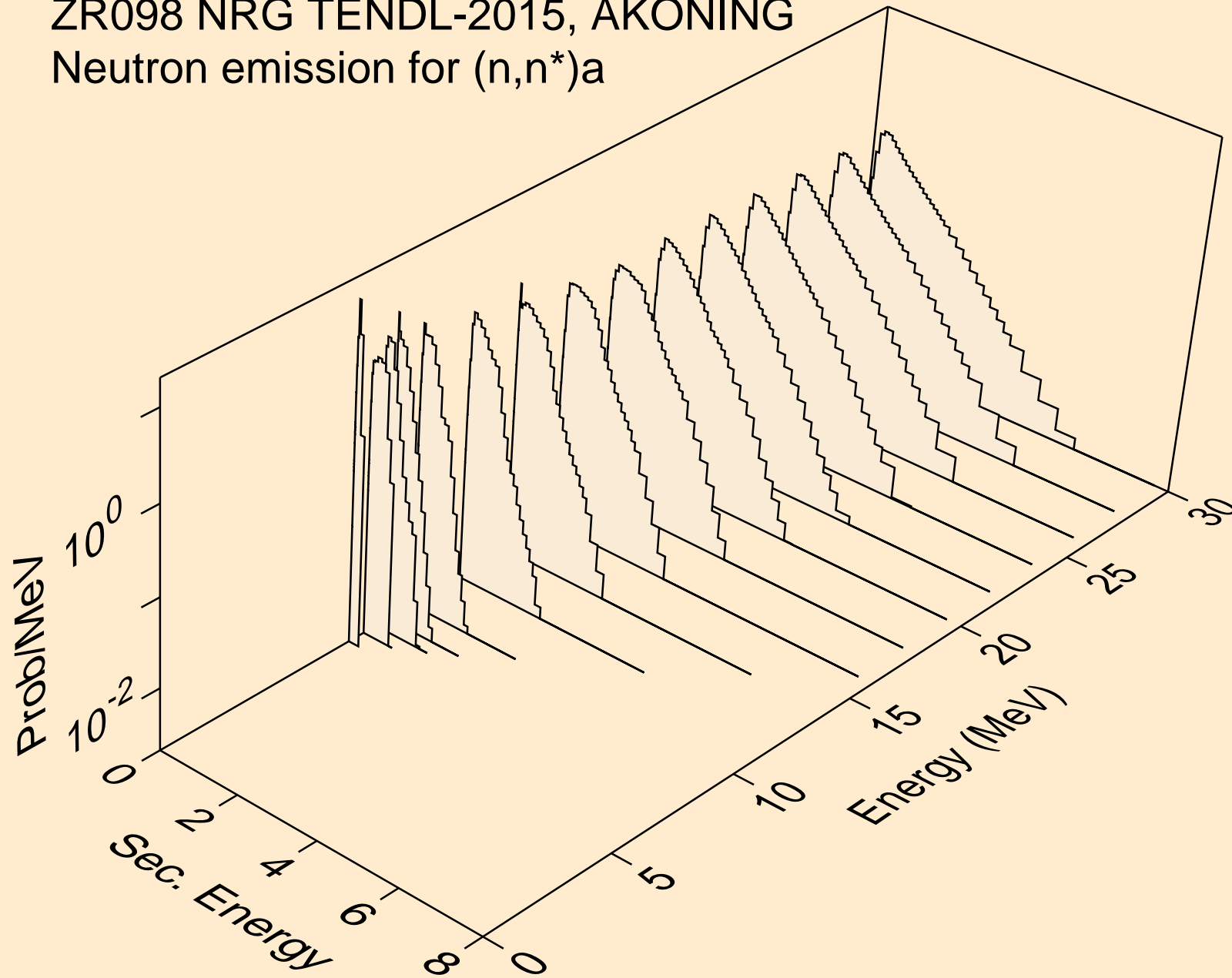
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



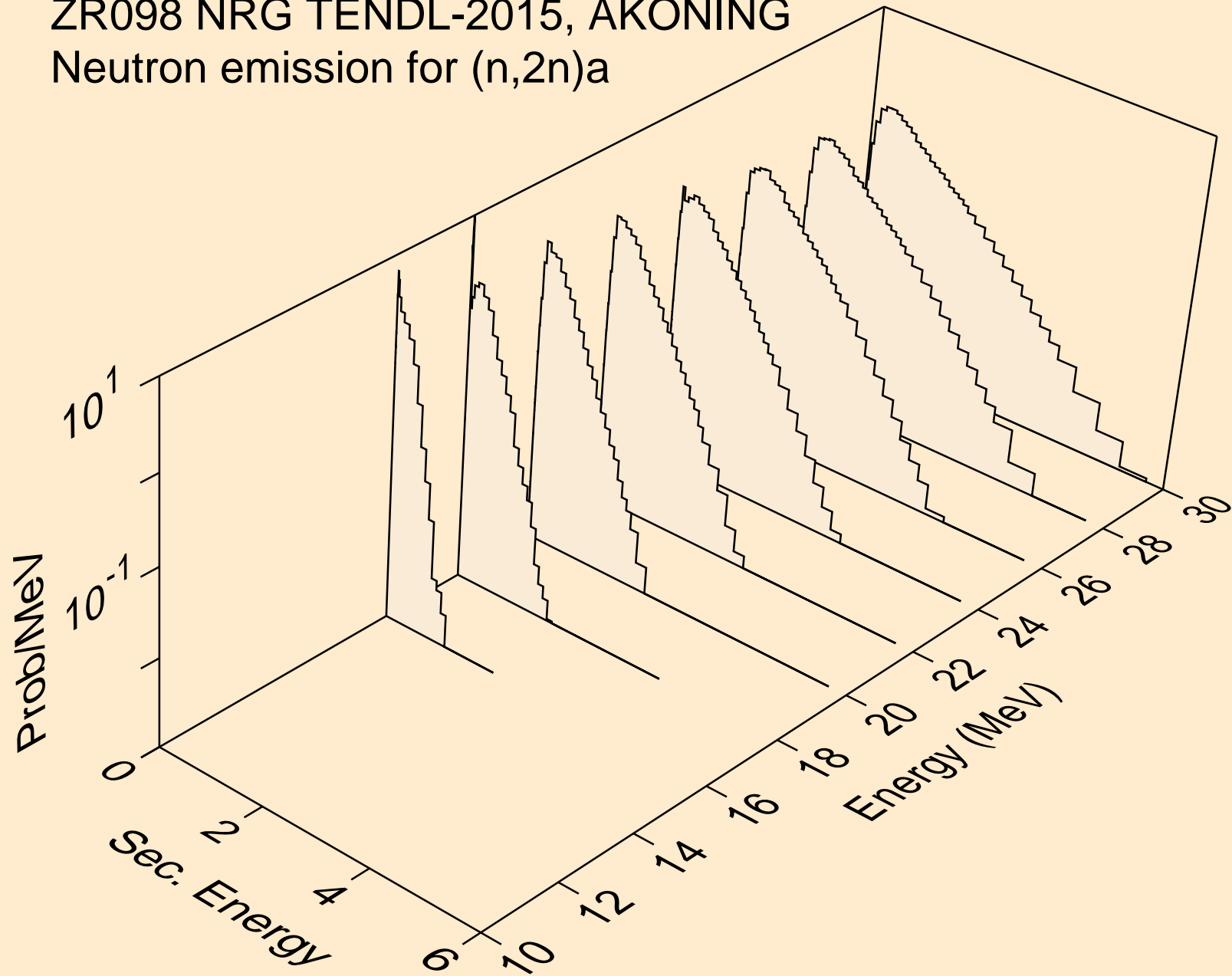
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



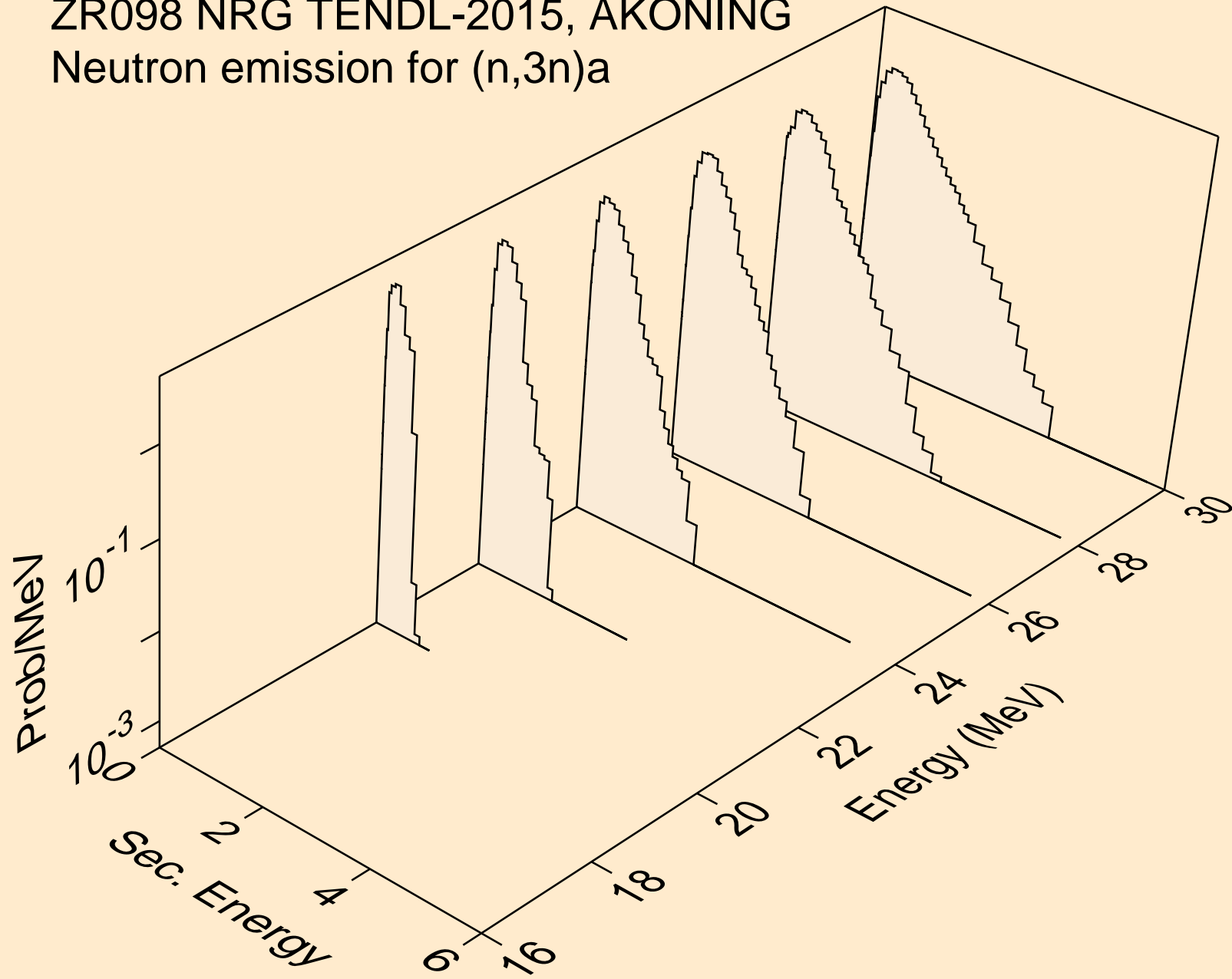
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



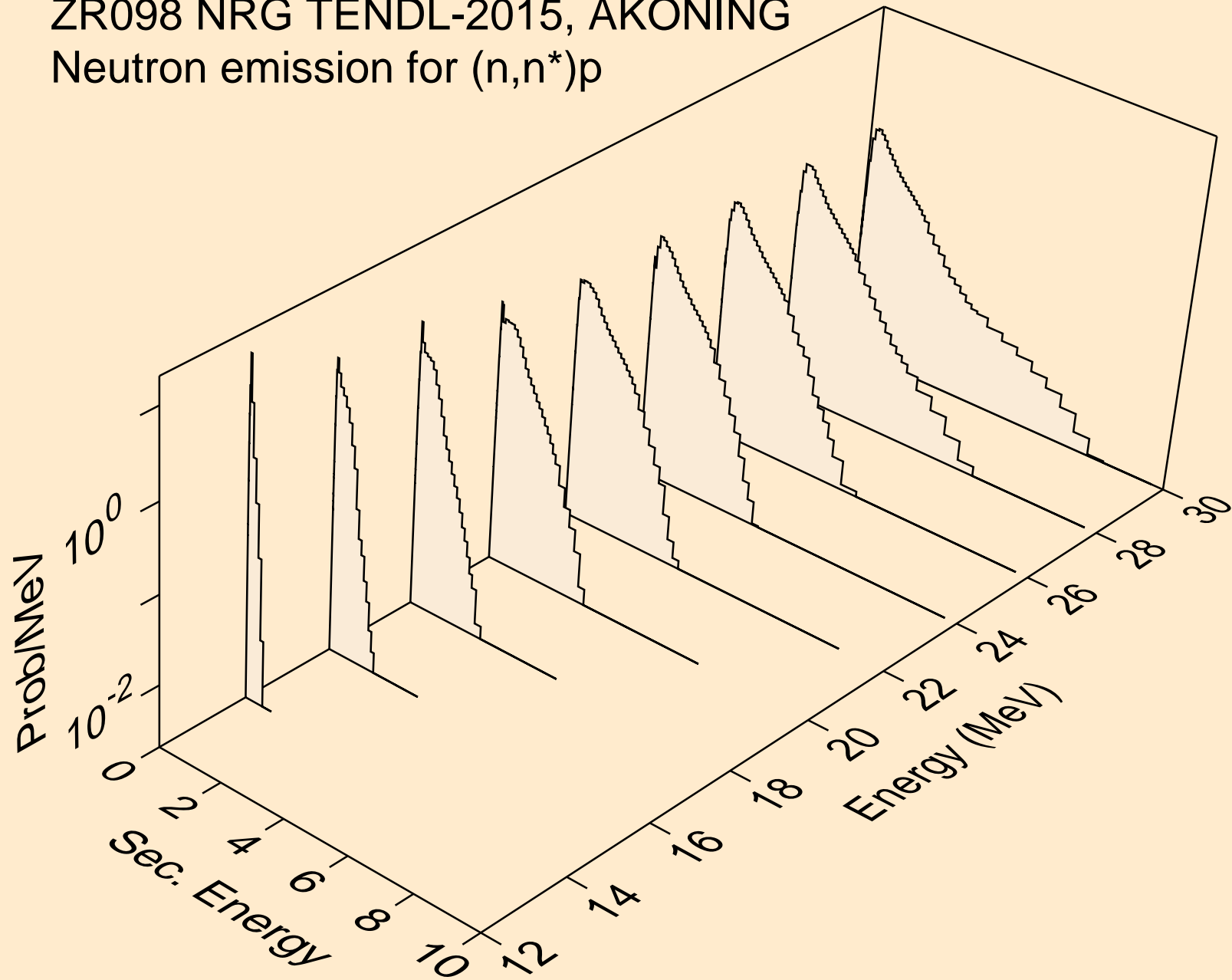
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



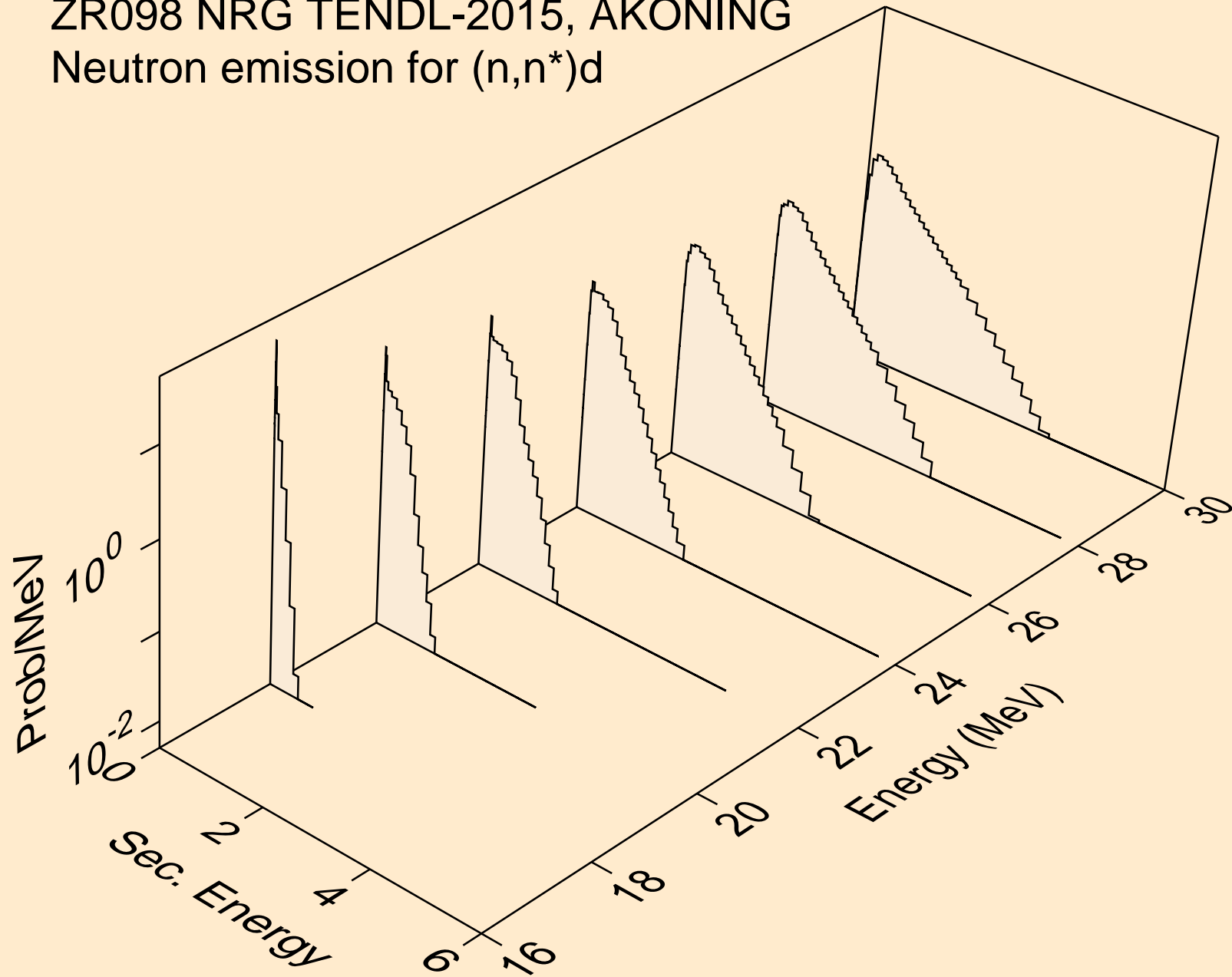
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

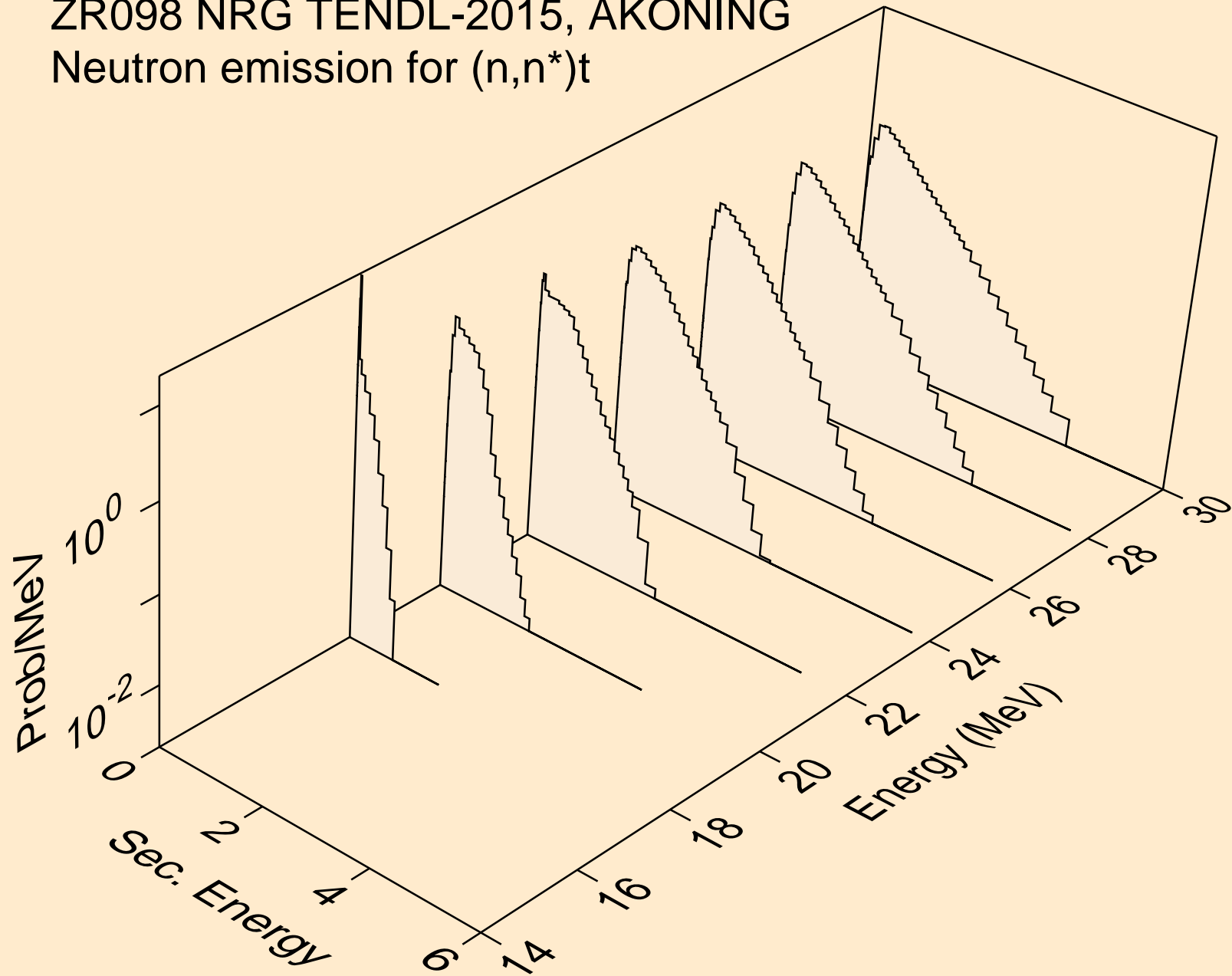


ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

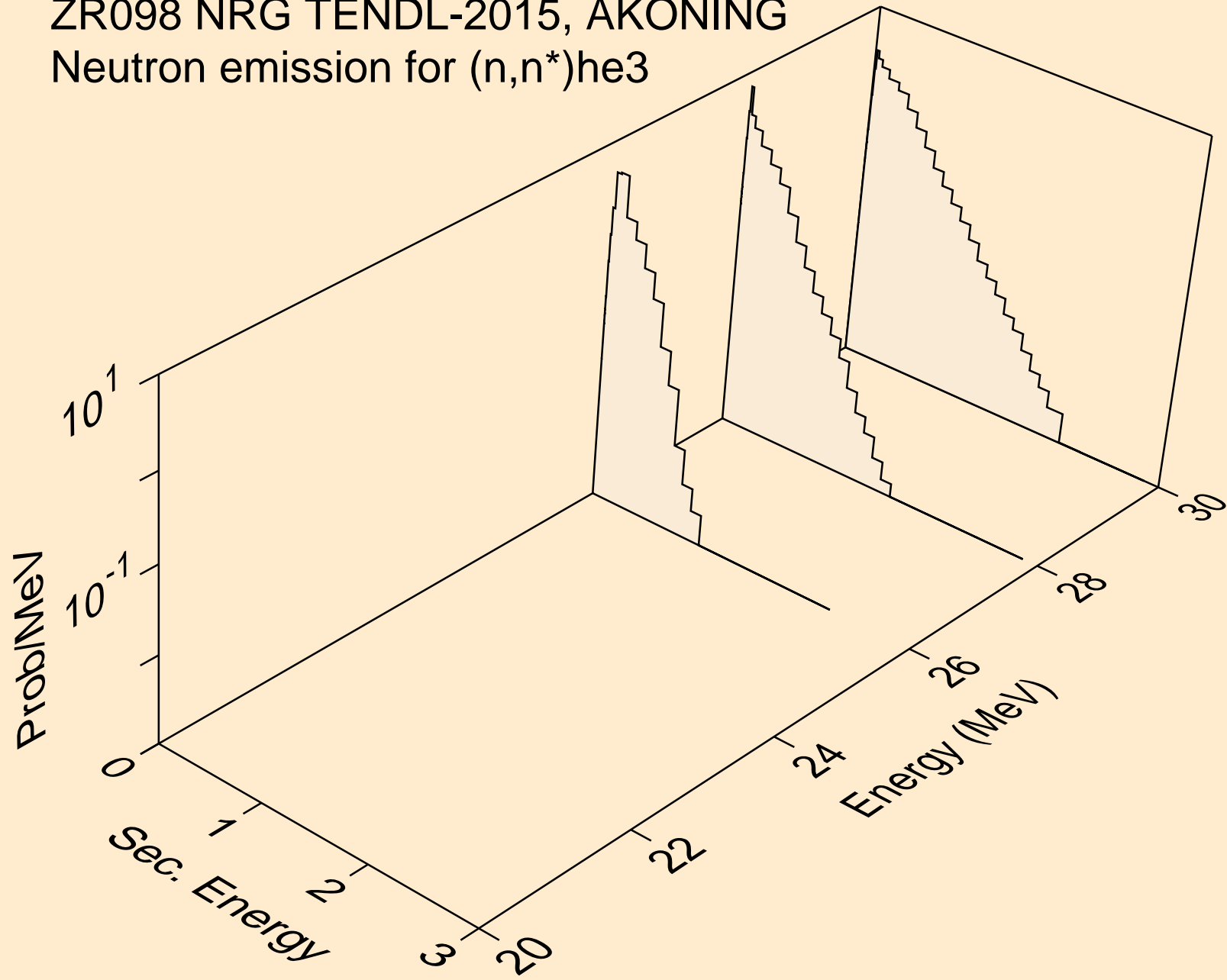




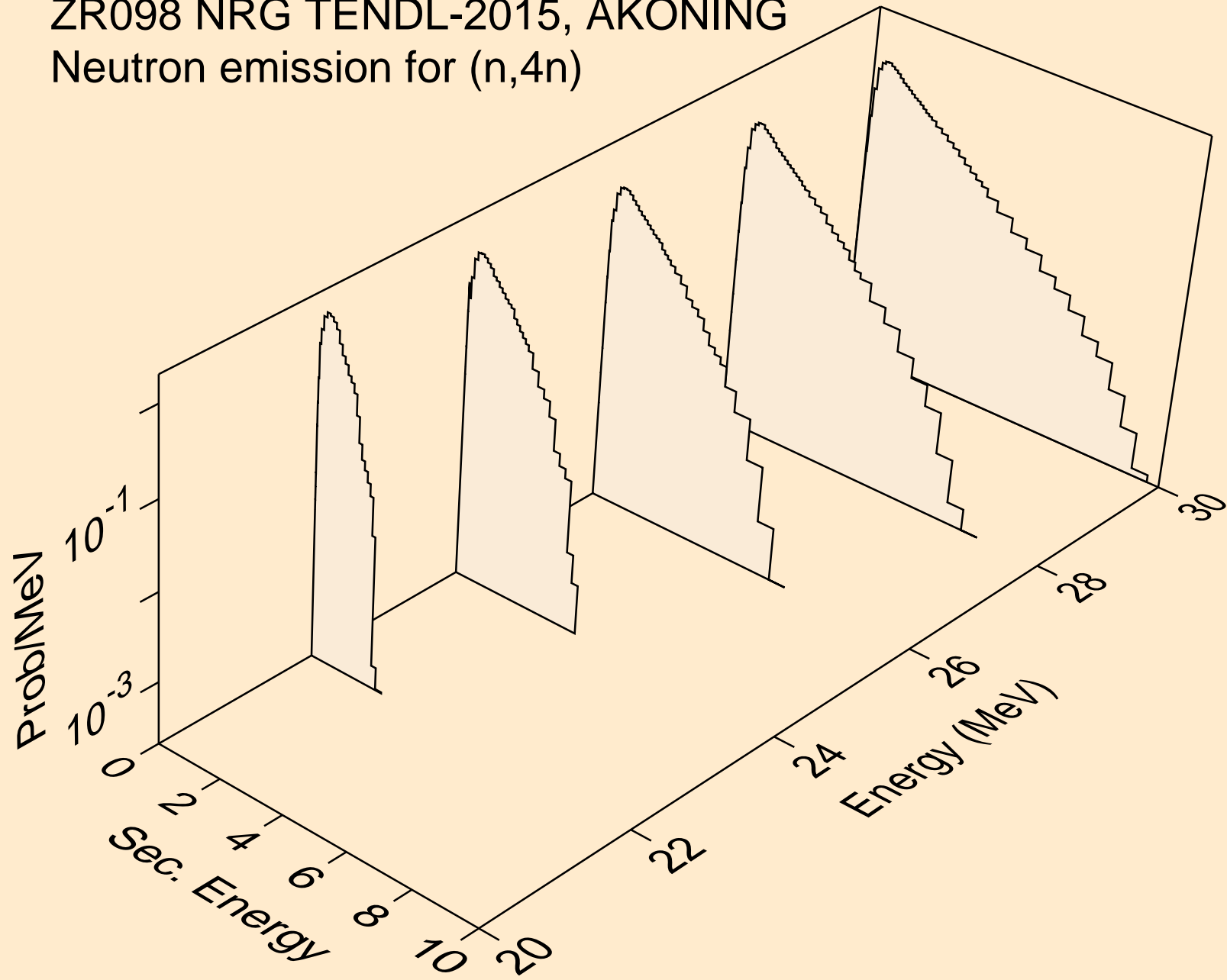
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



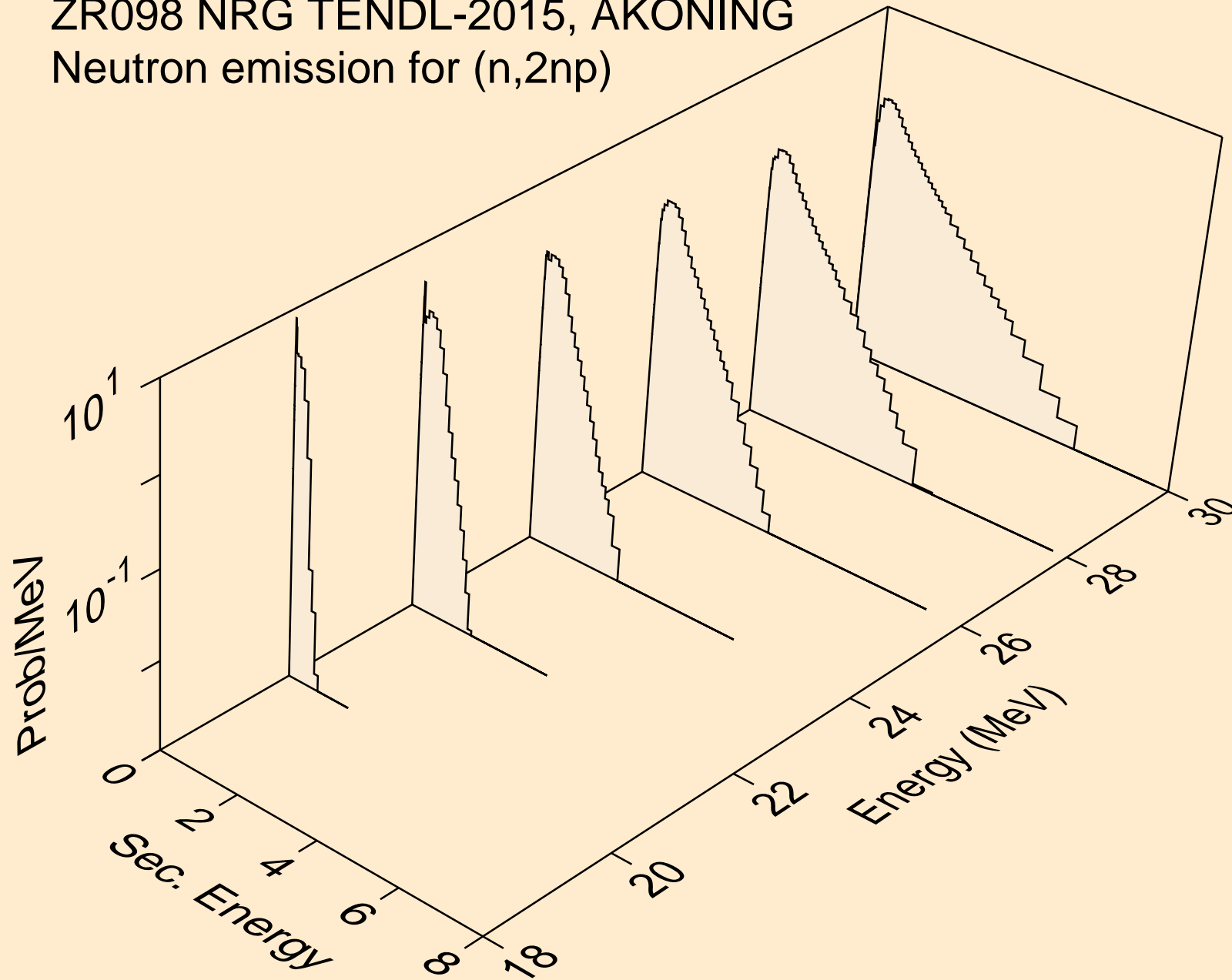
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



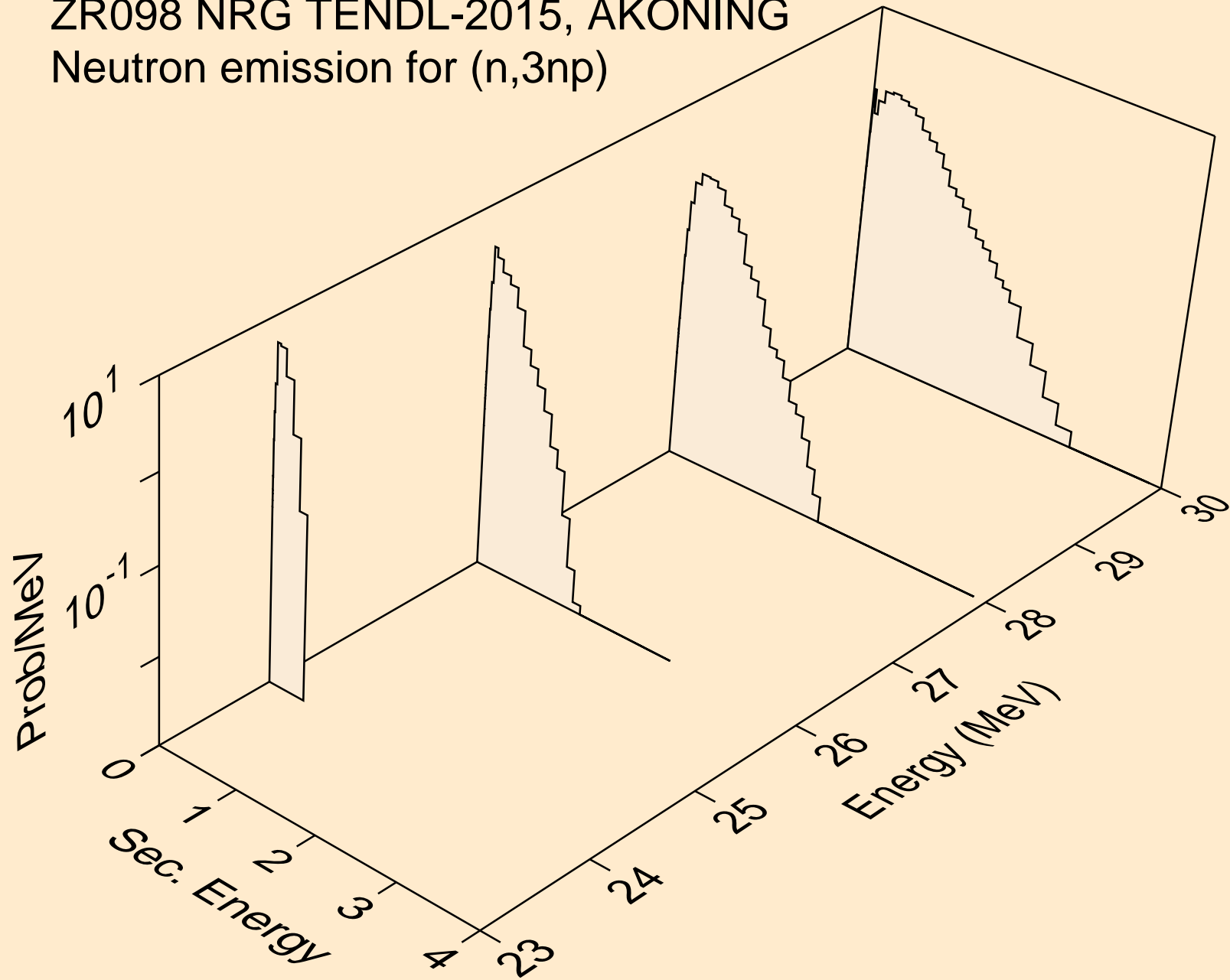
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



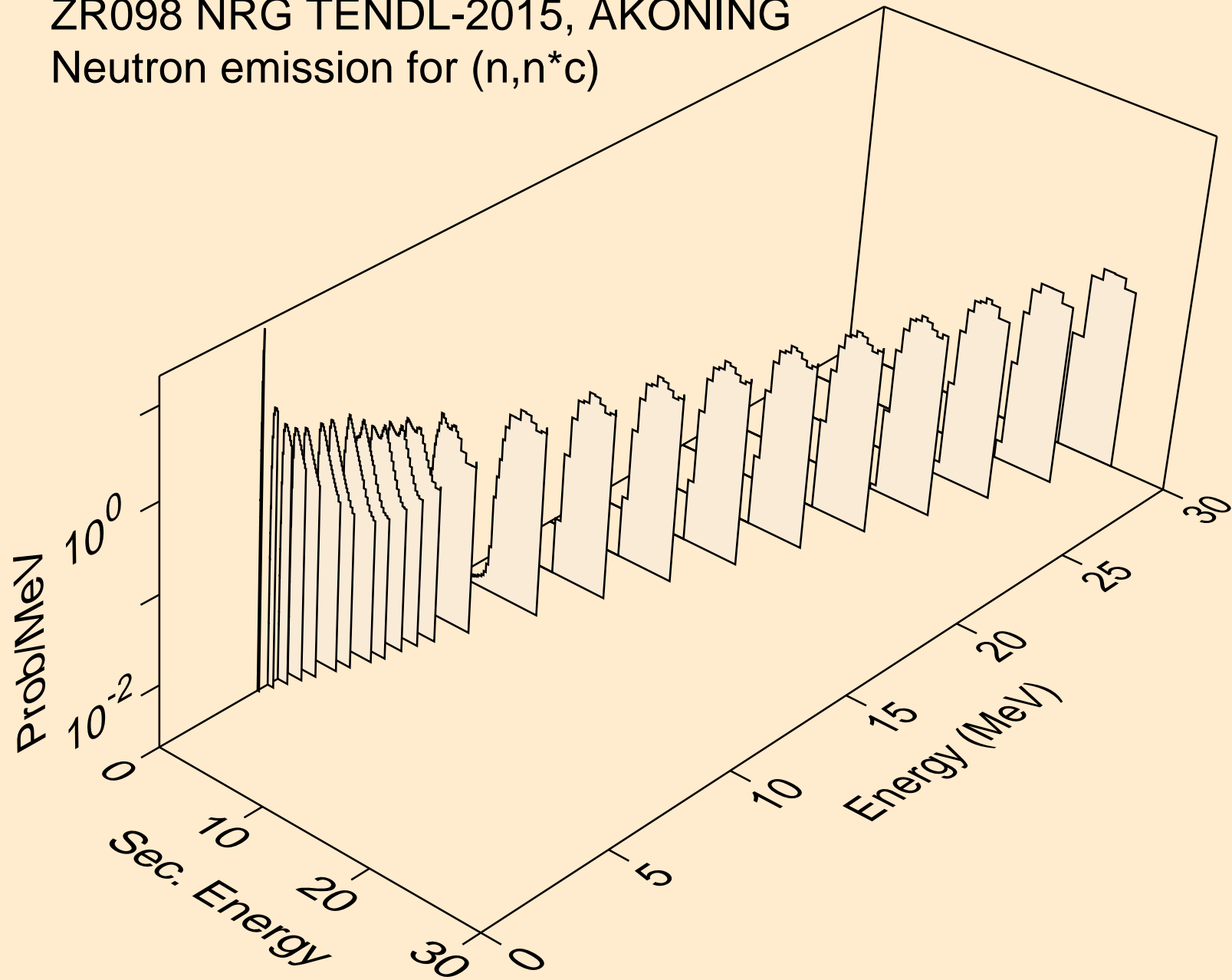
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



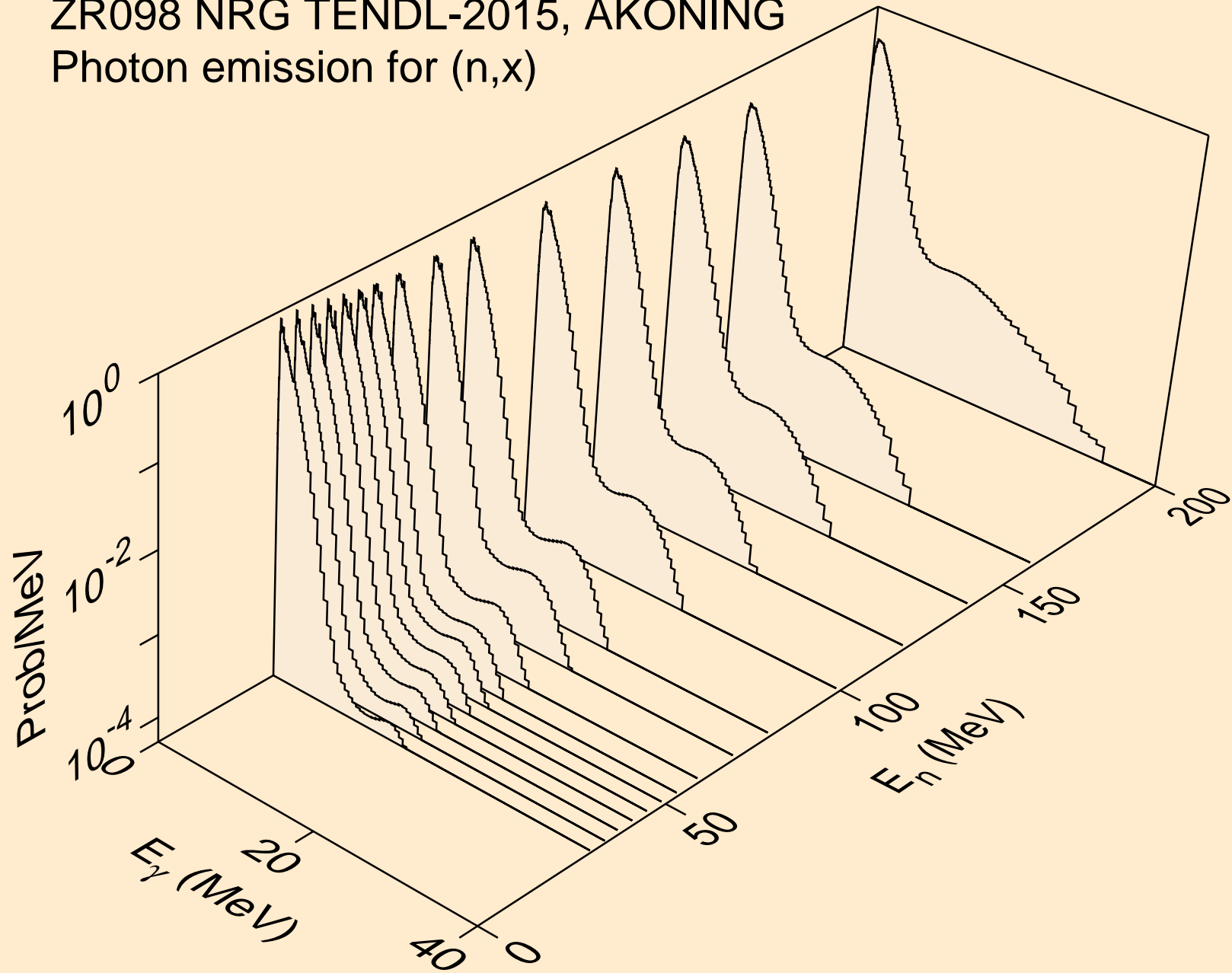
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



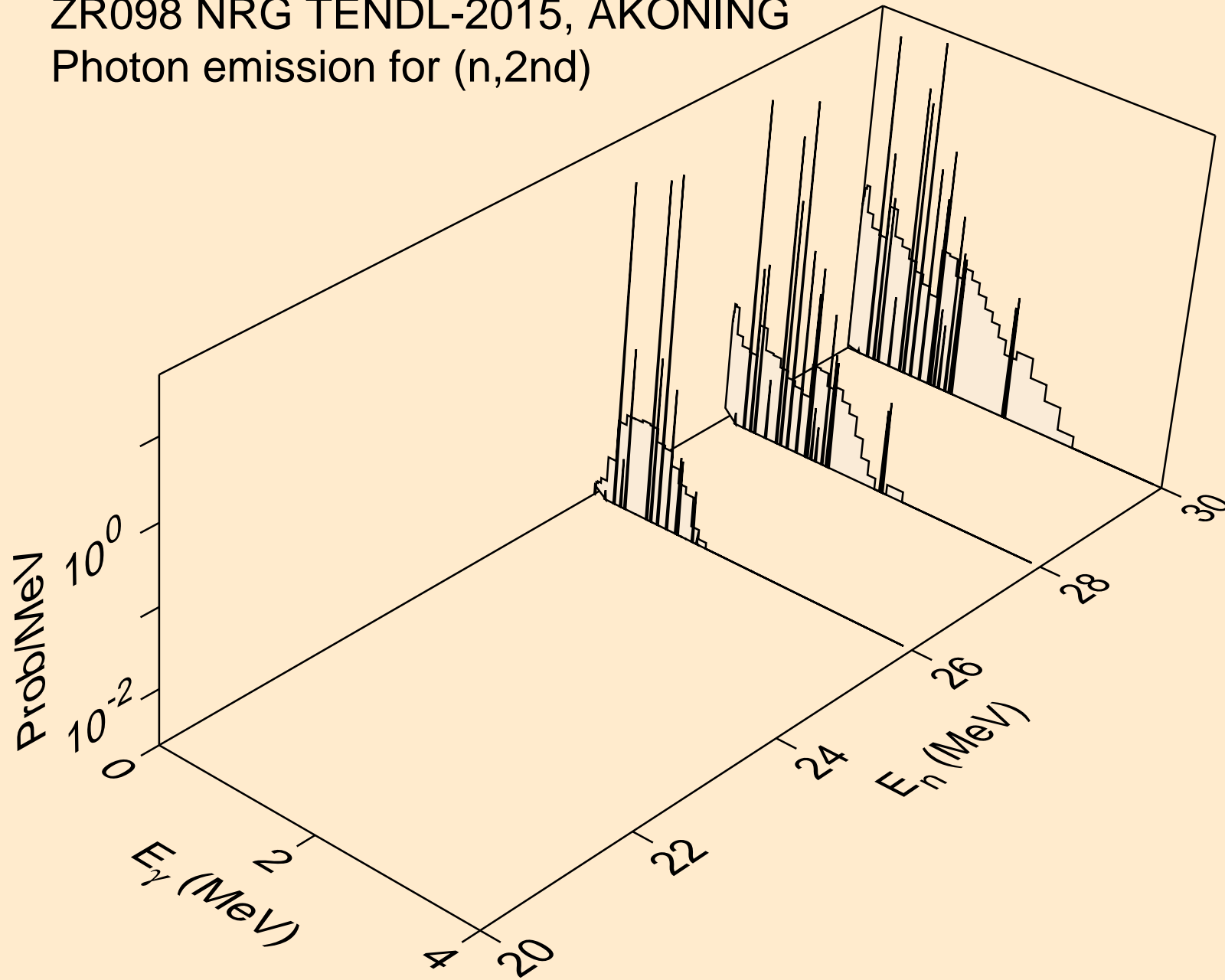
ZR098 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

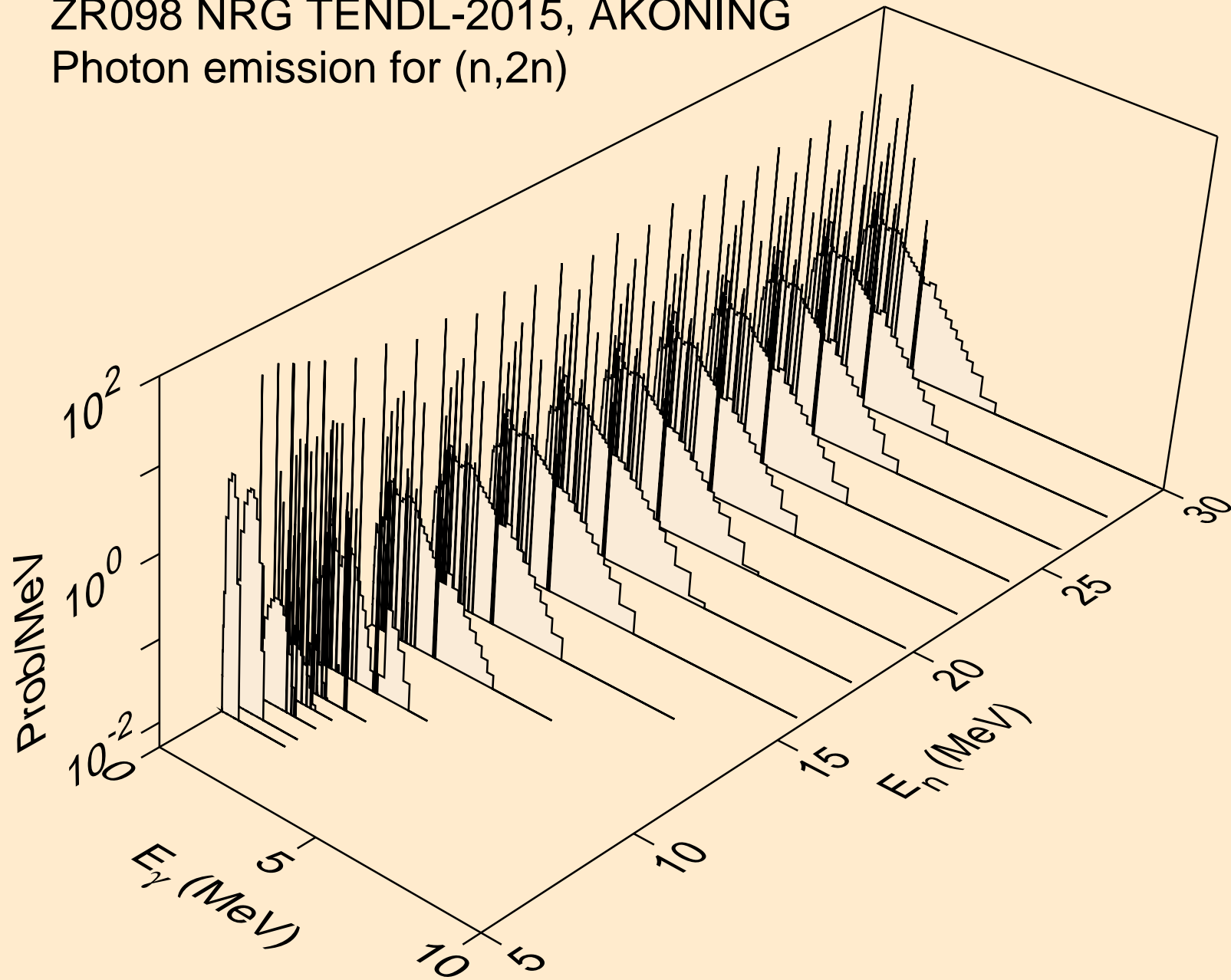


ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

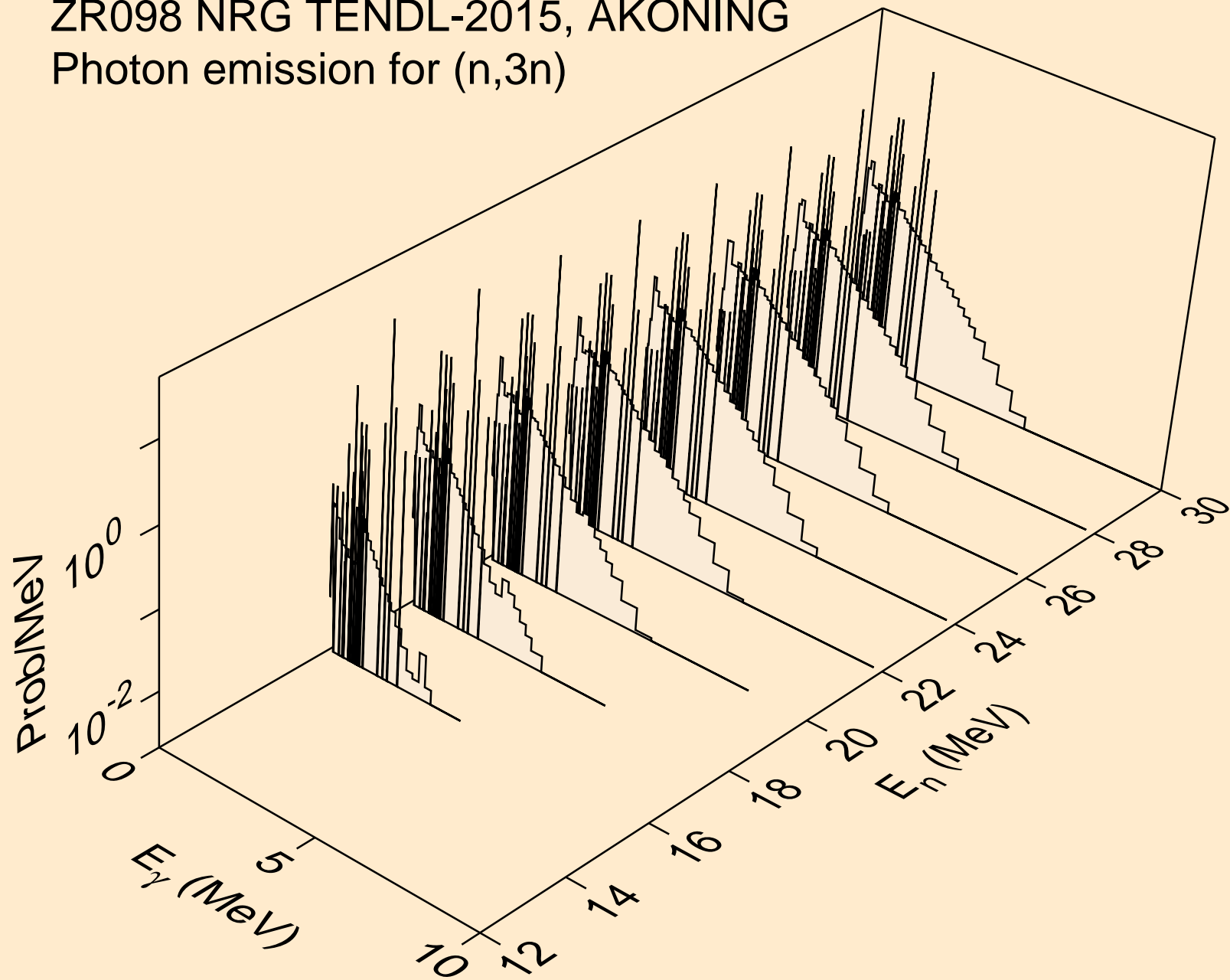




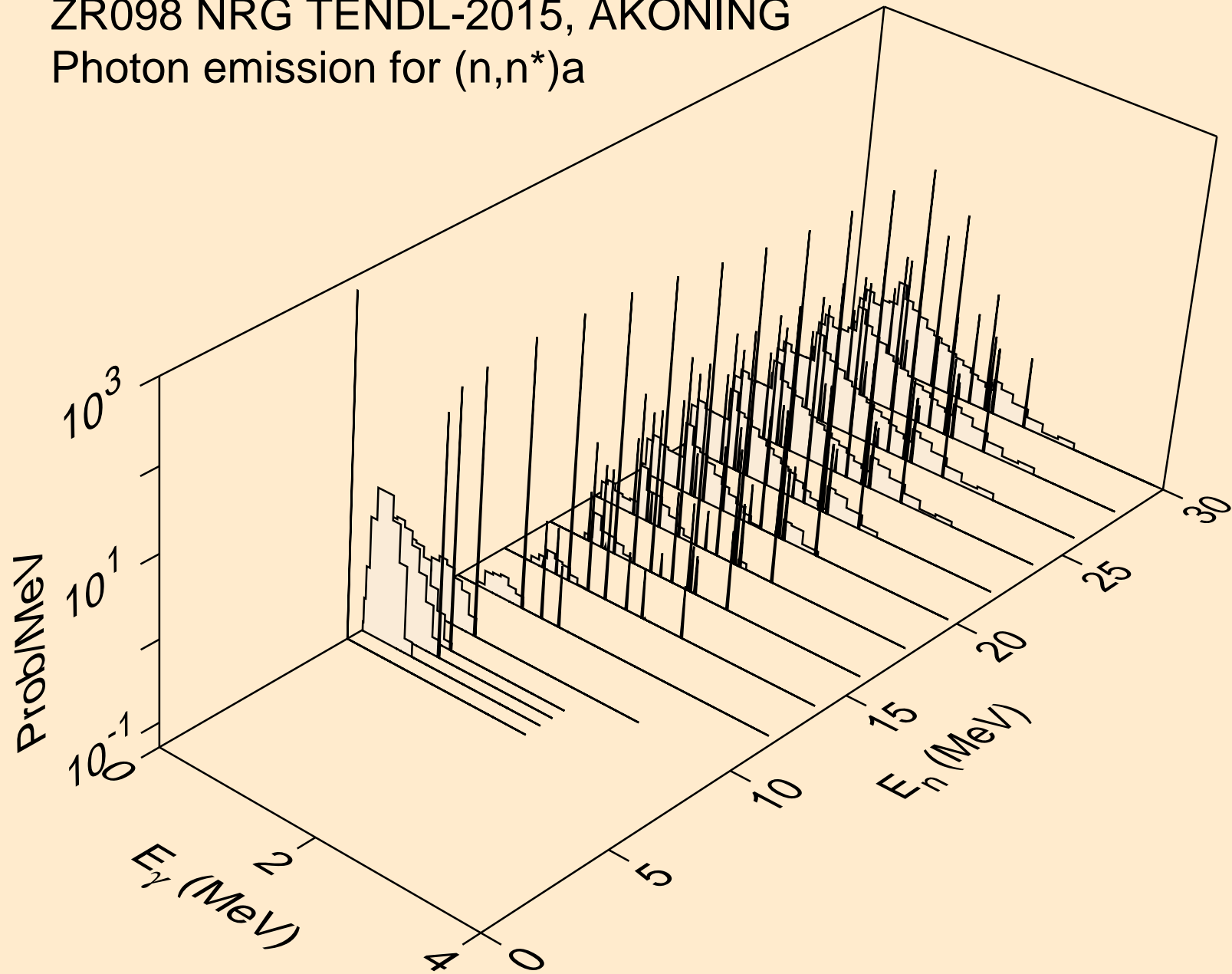
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



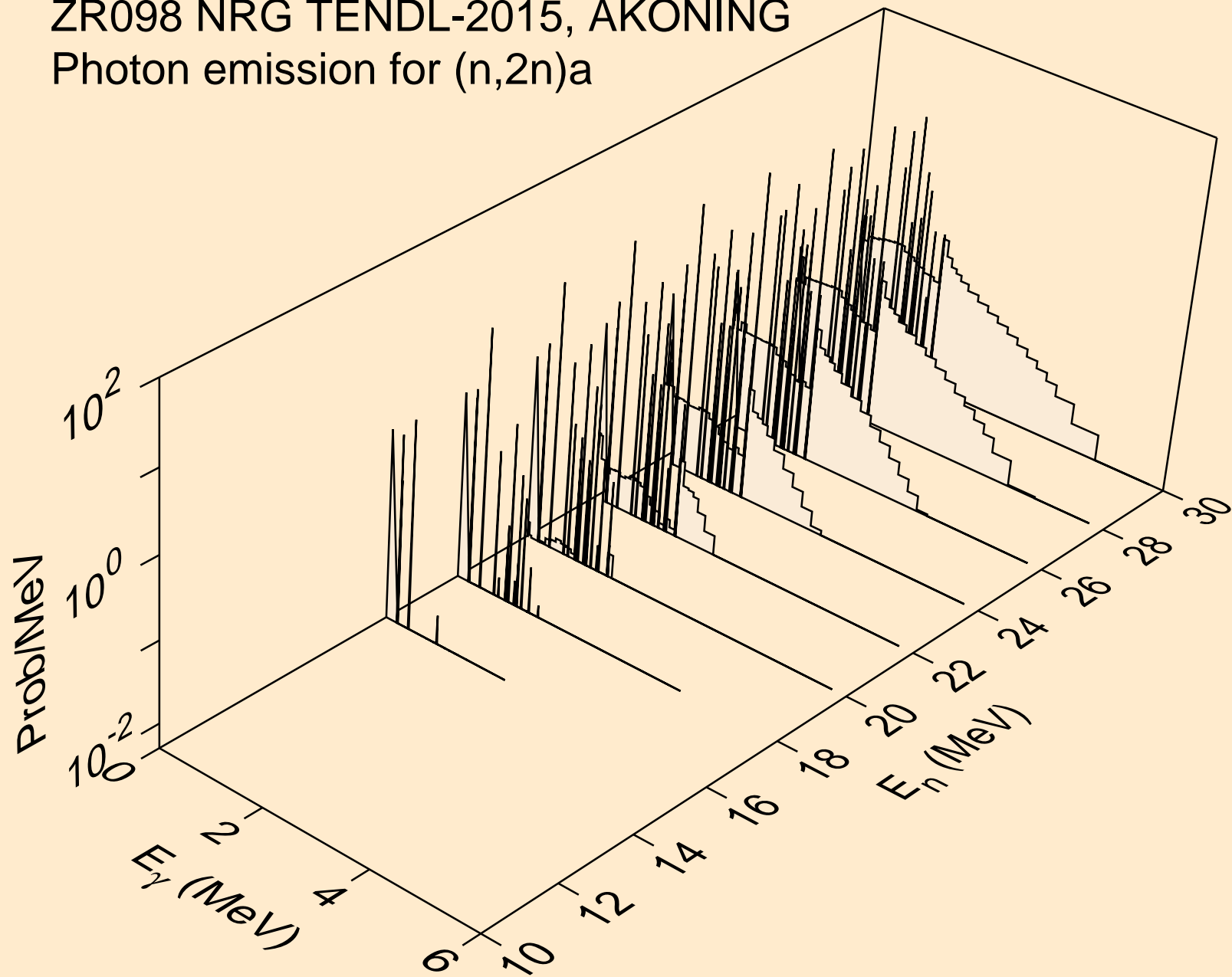
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



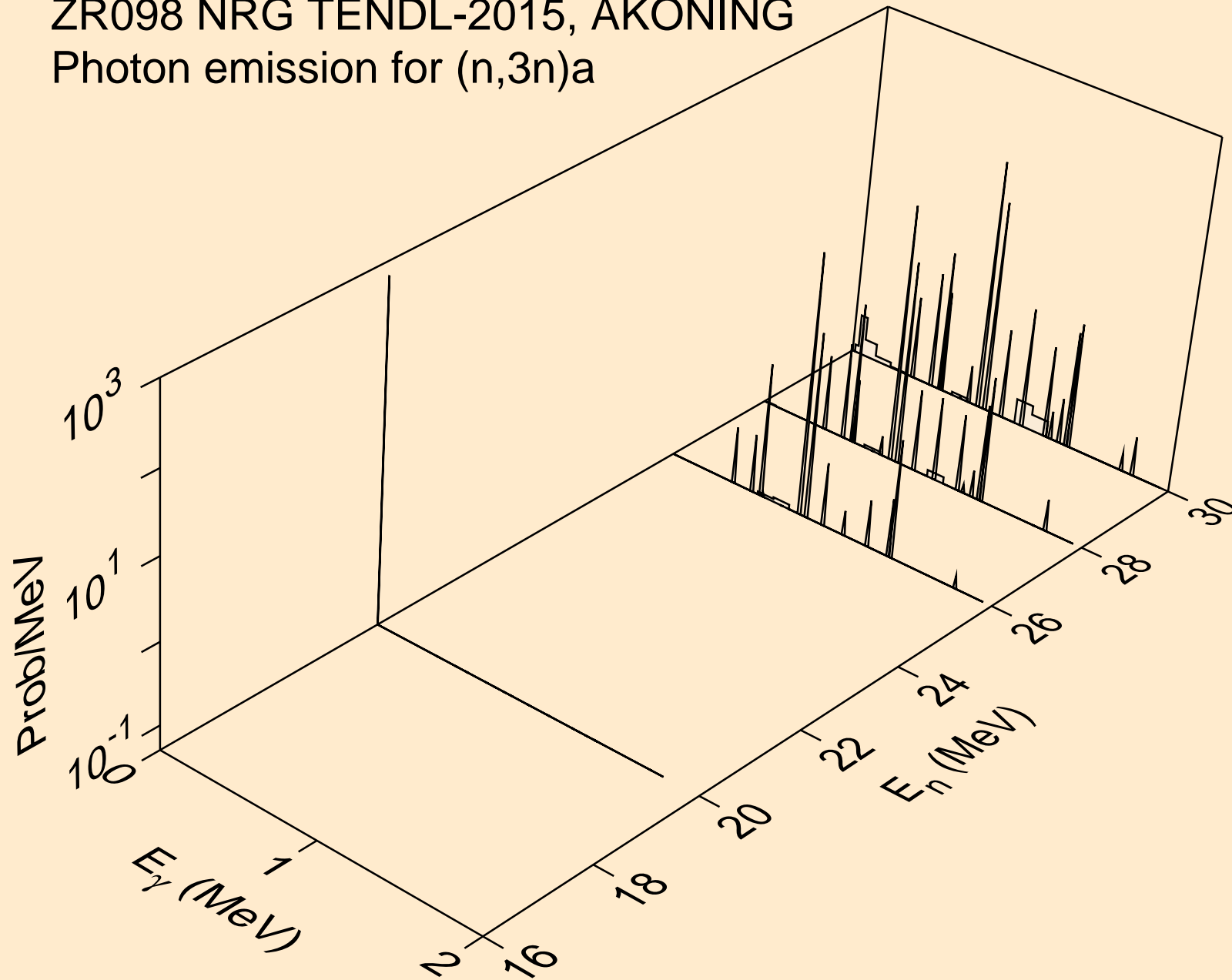
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



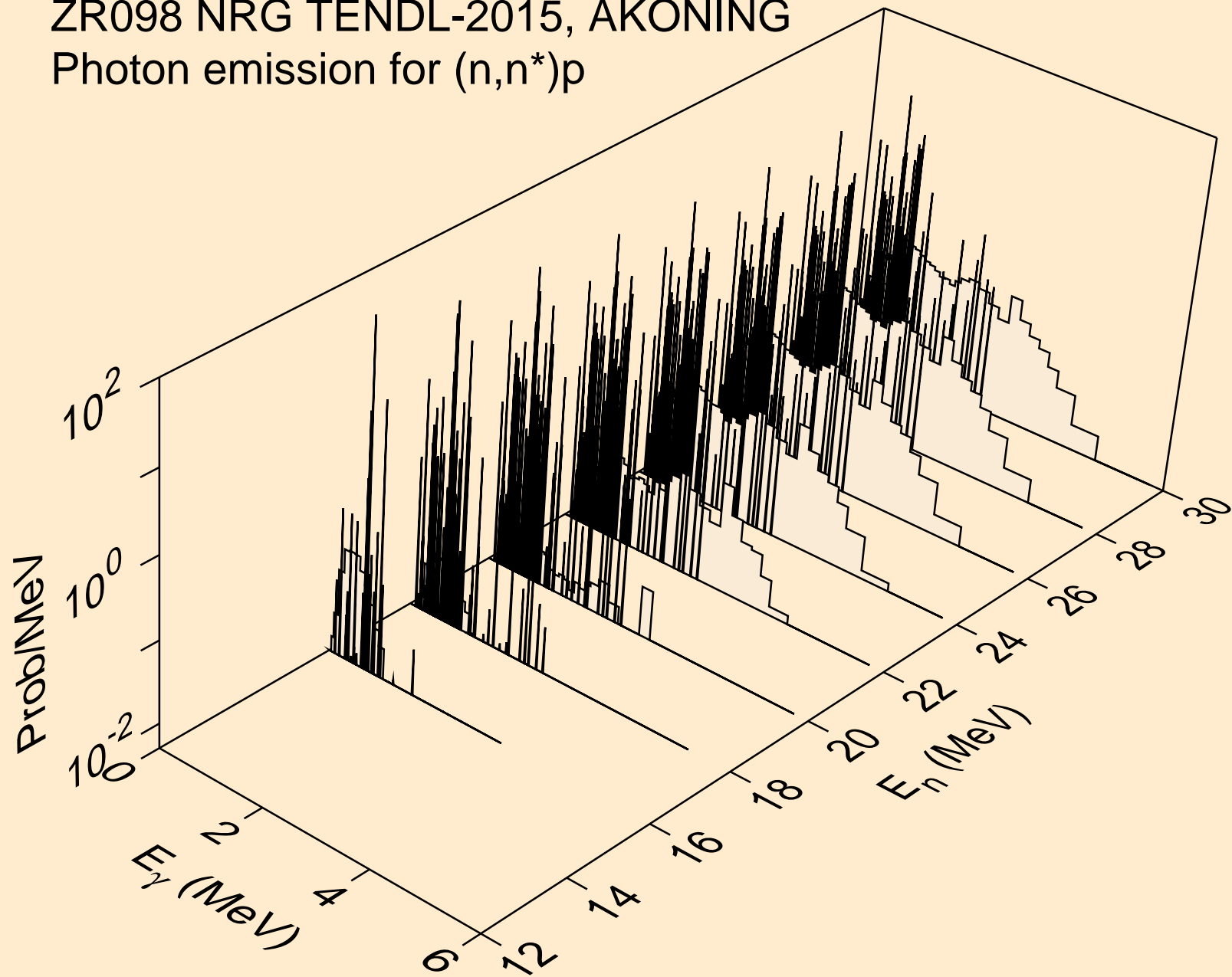
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



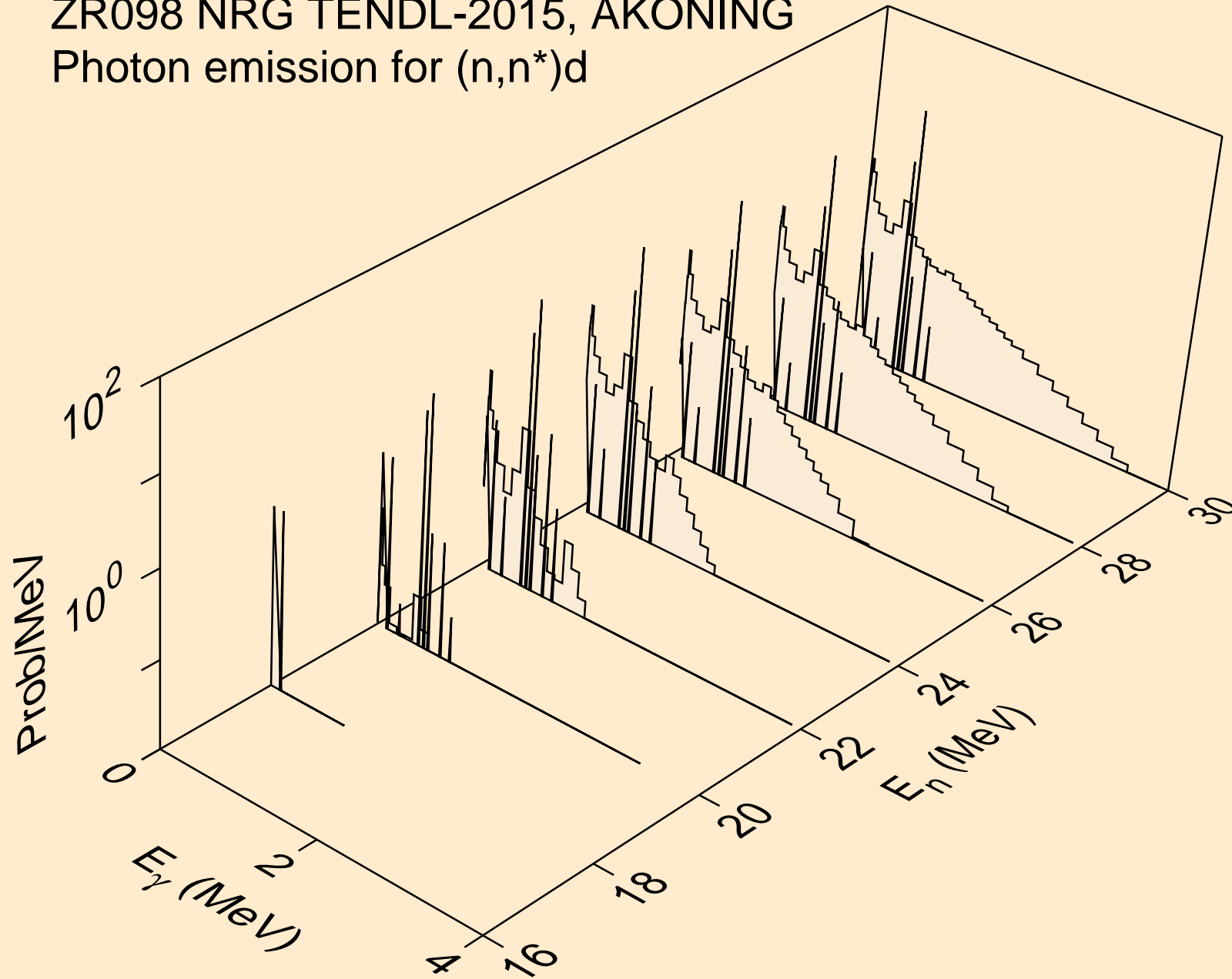
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



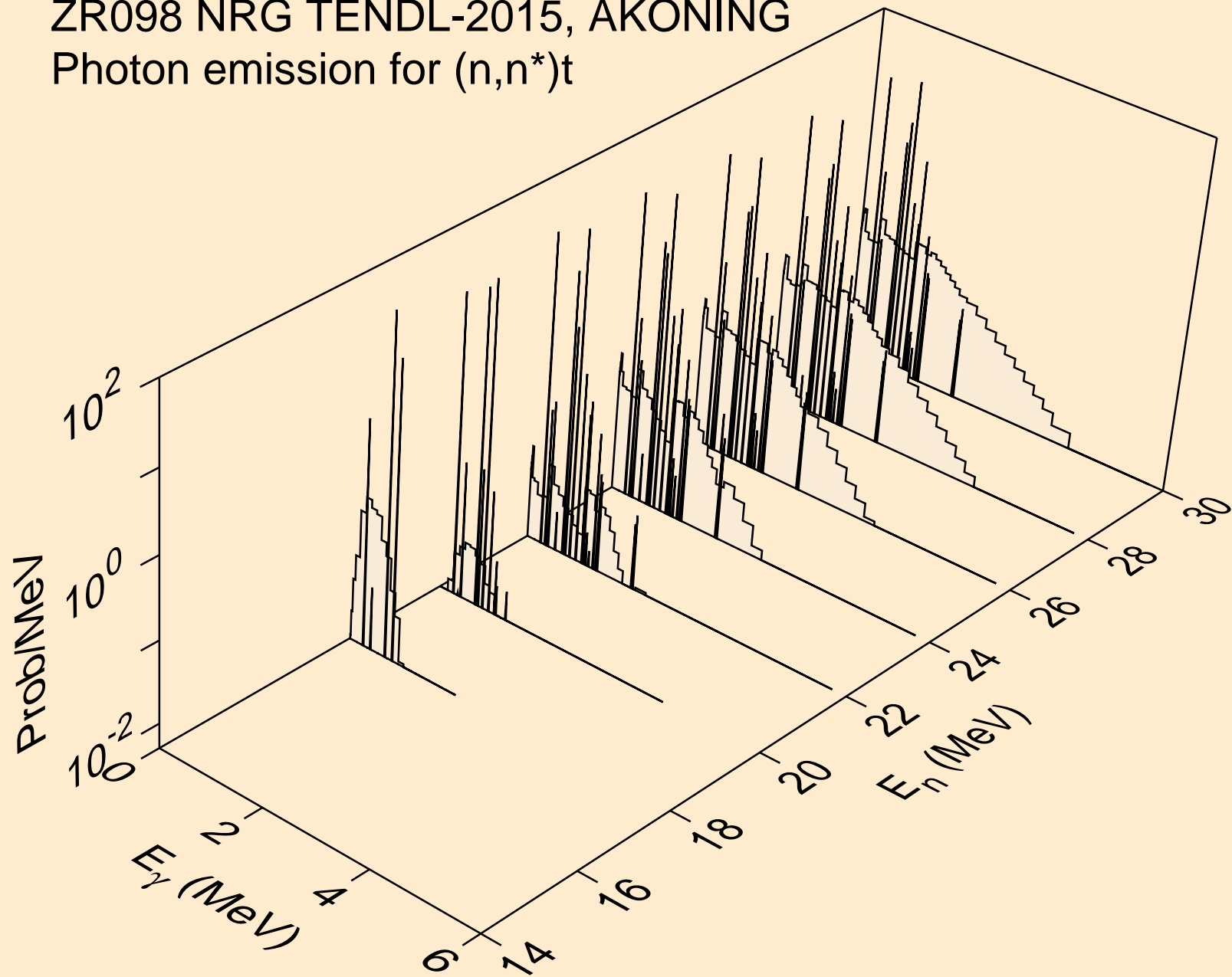
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

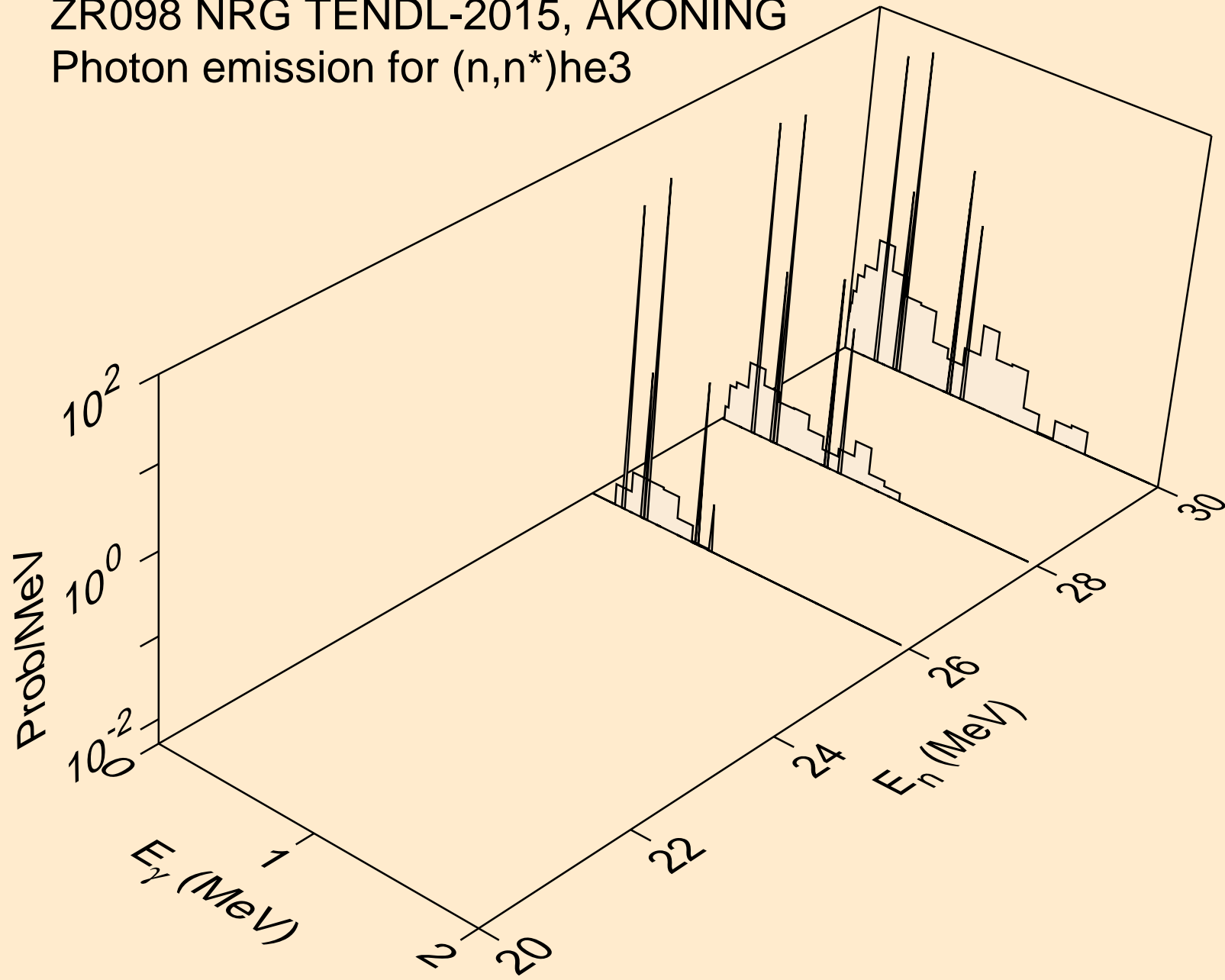


ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

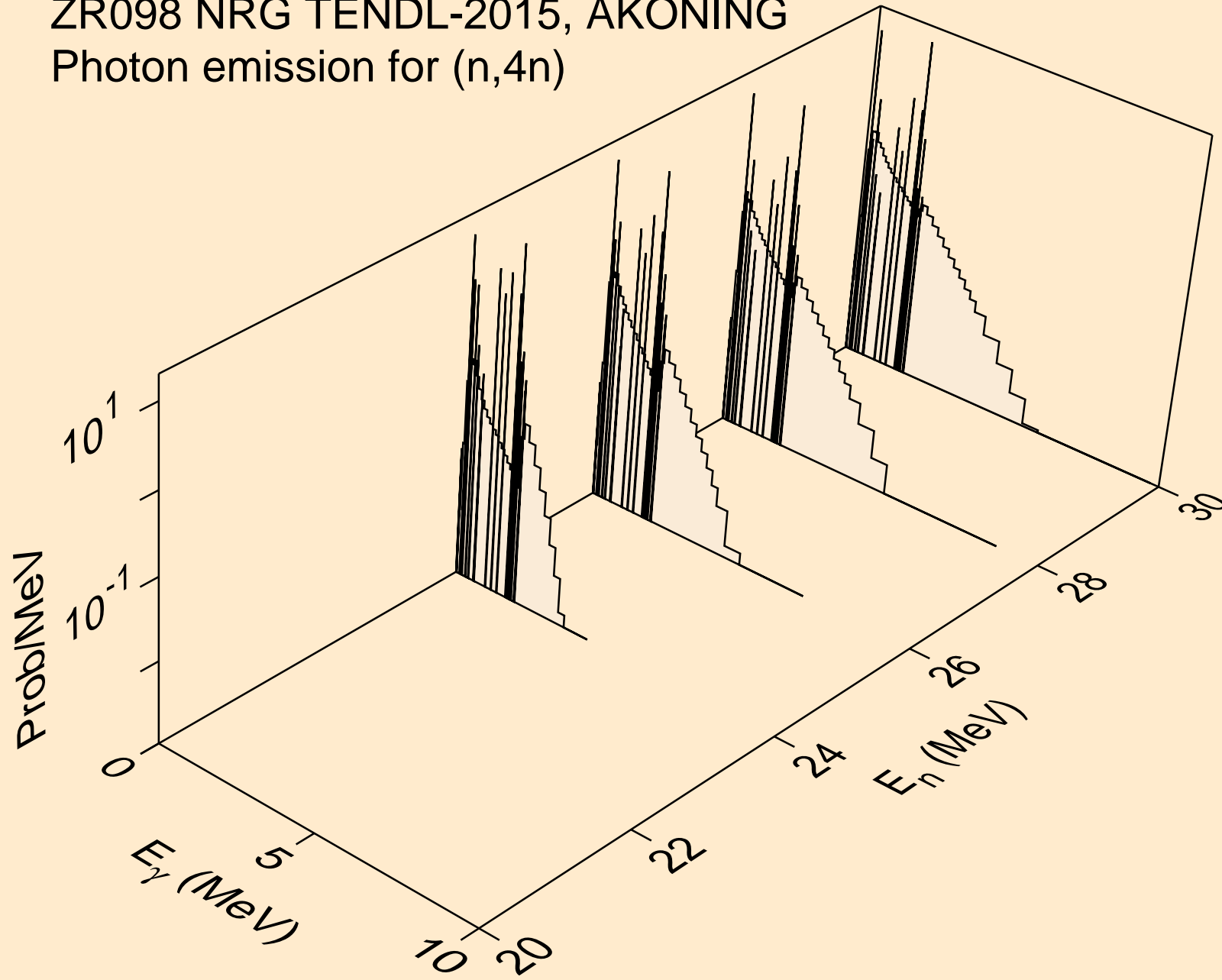




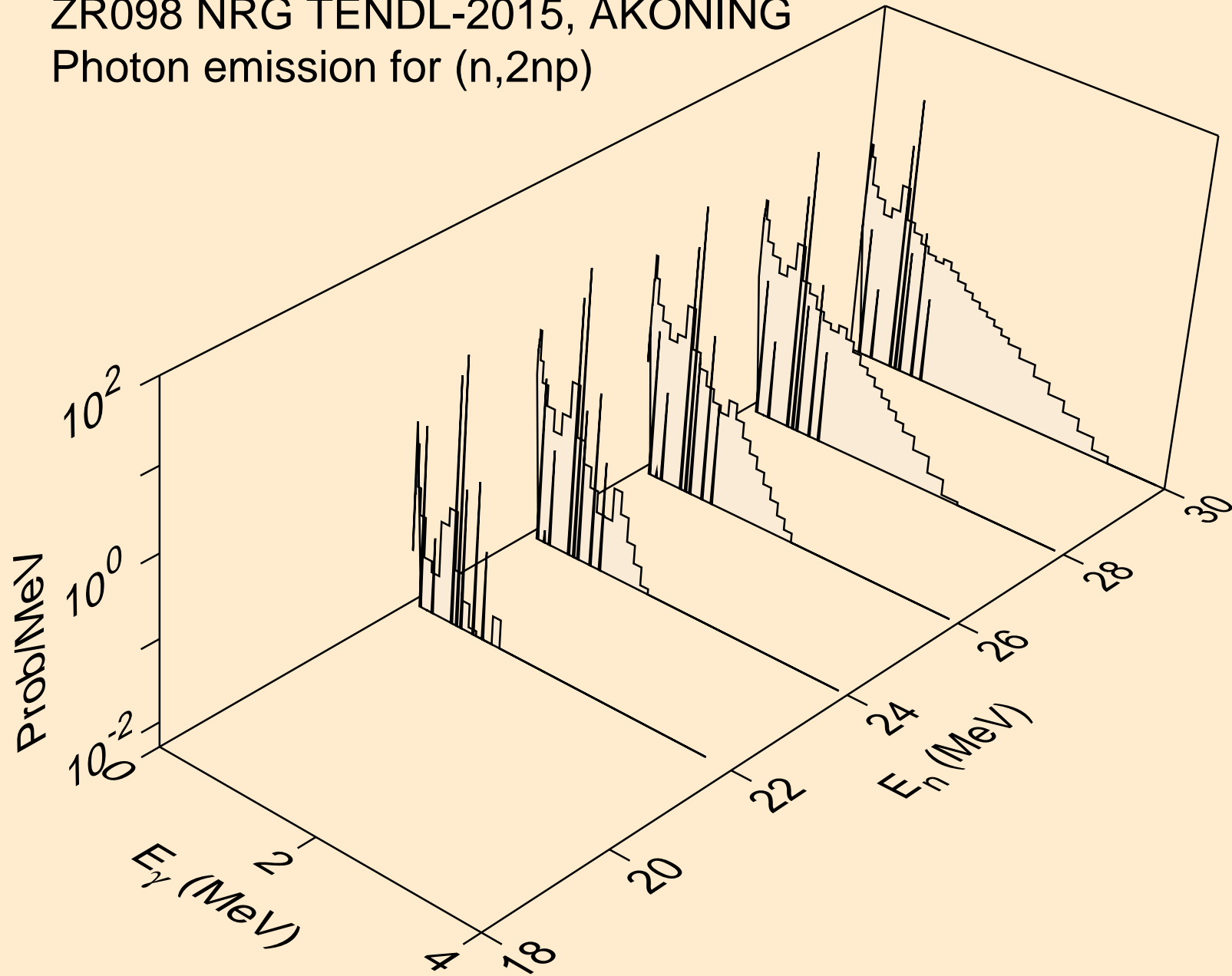
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



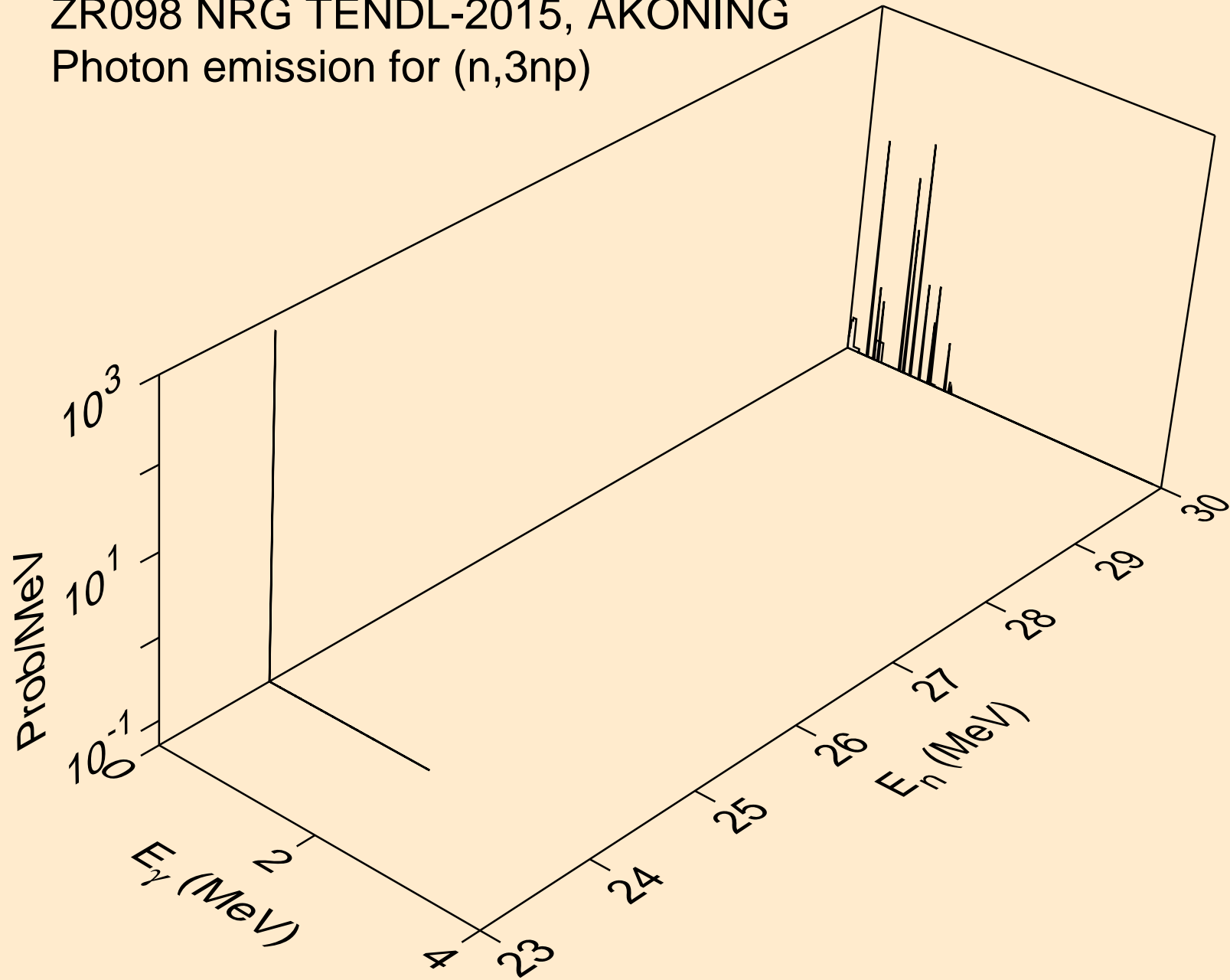
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



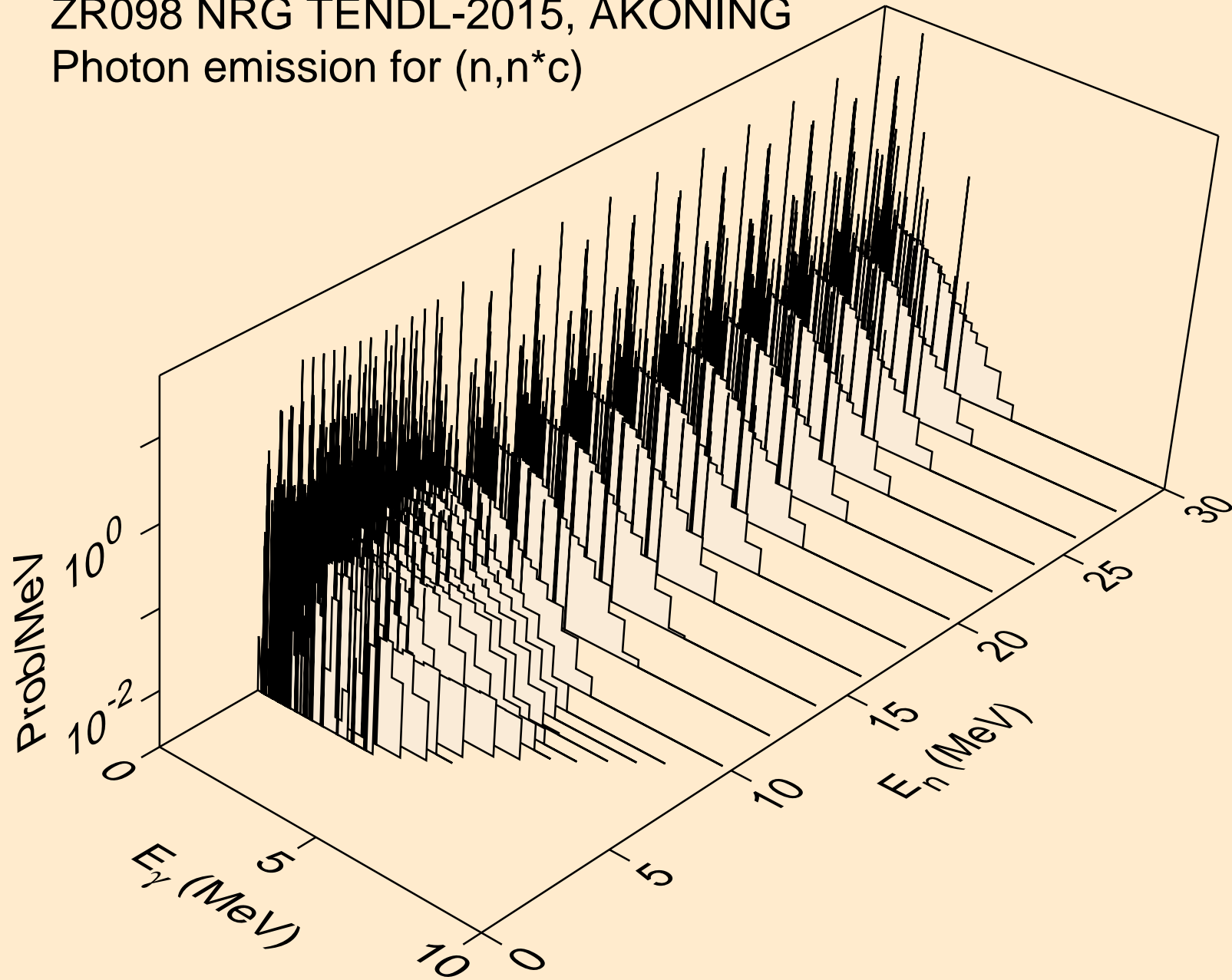
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



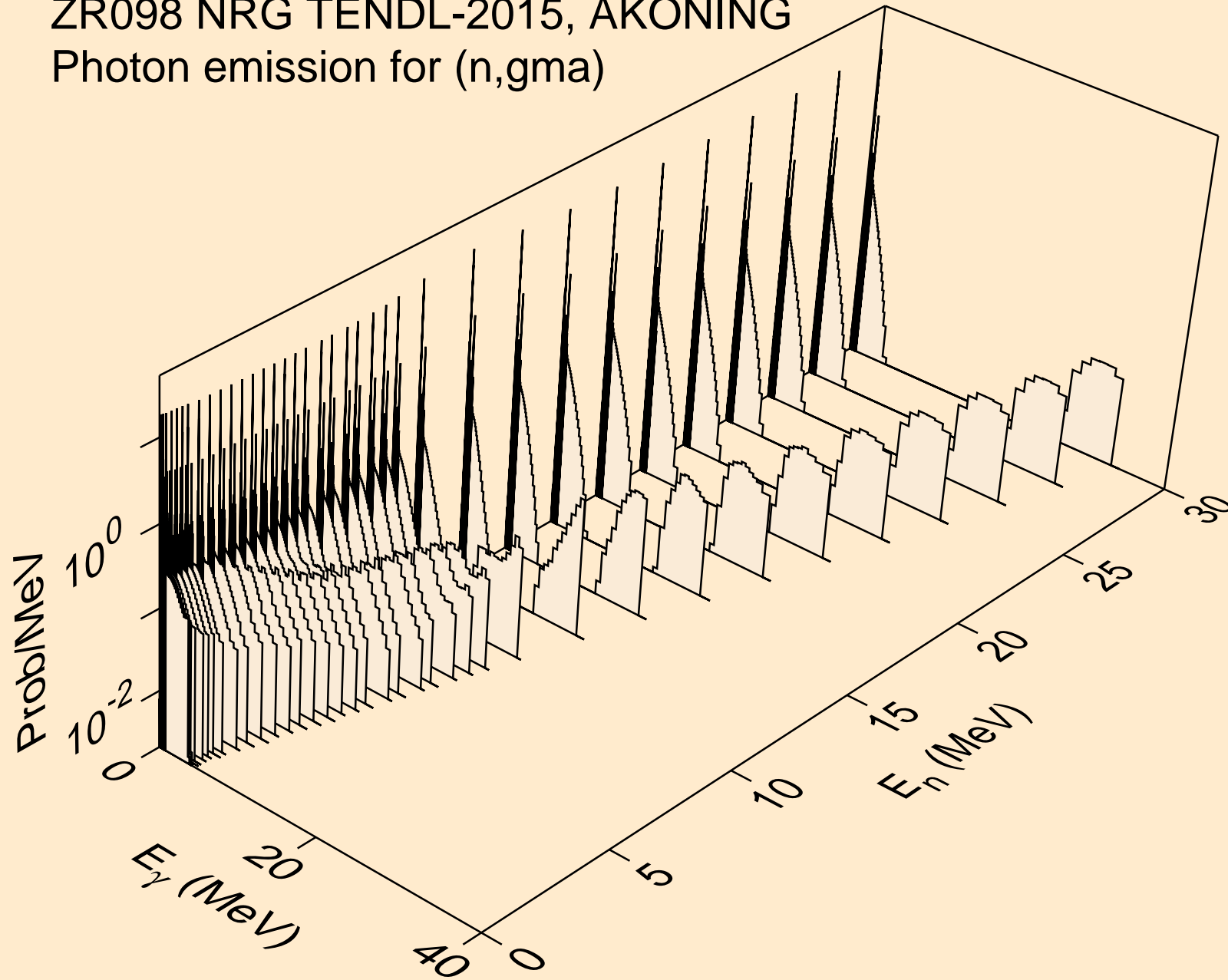
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



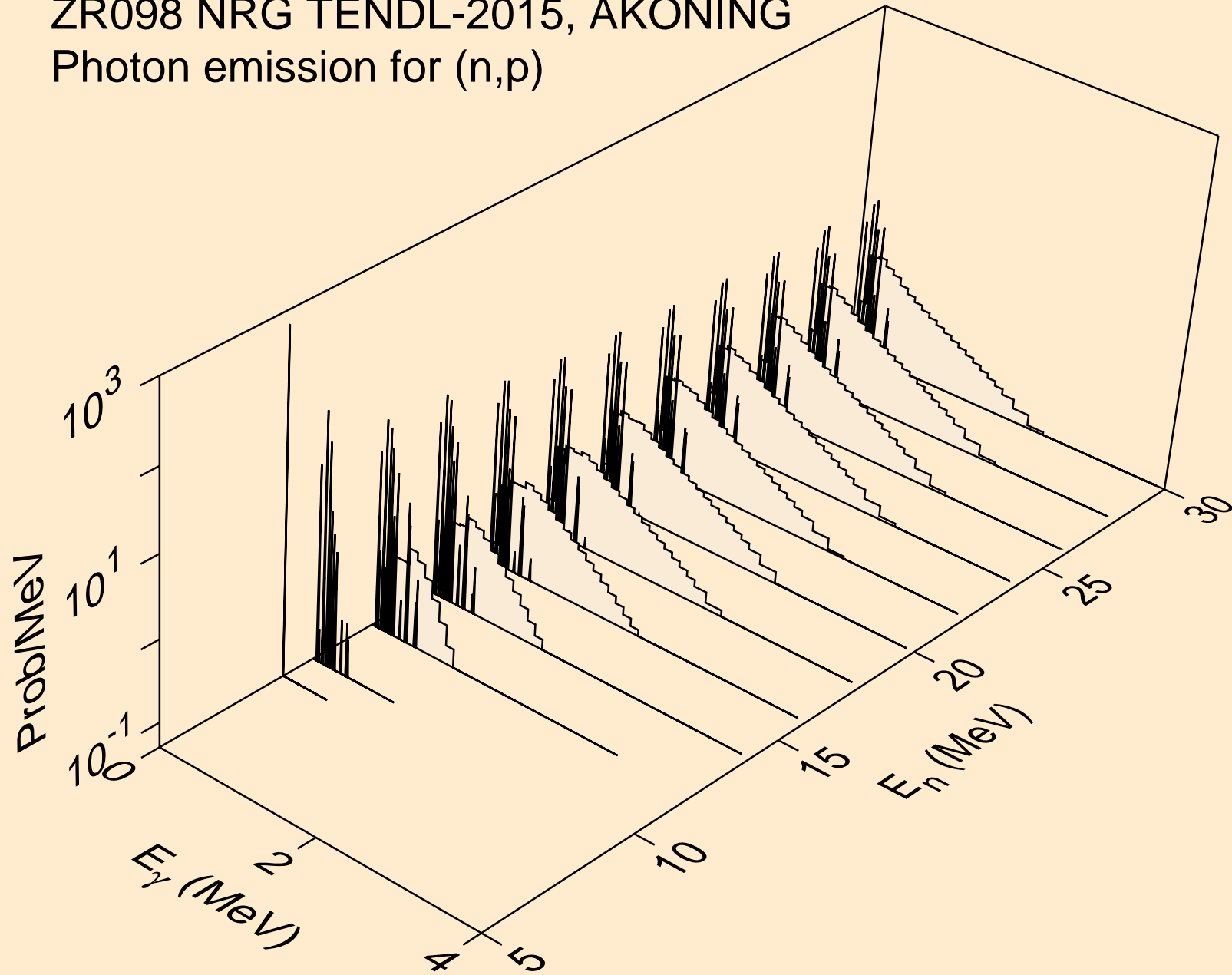
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



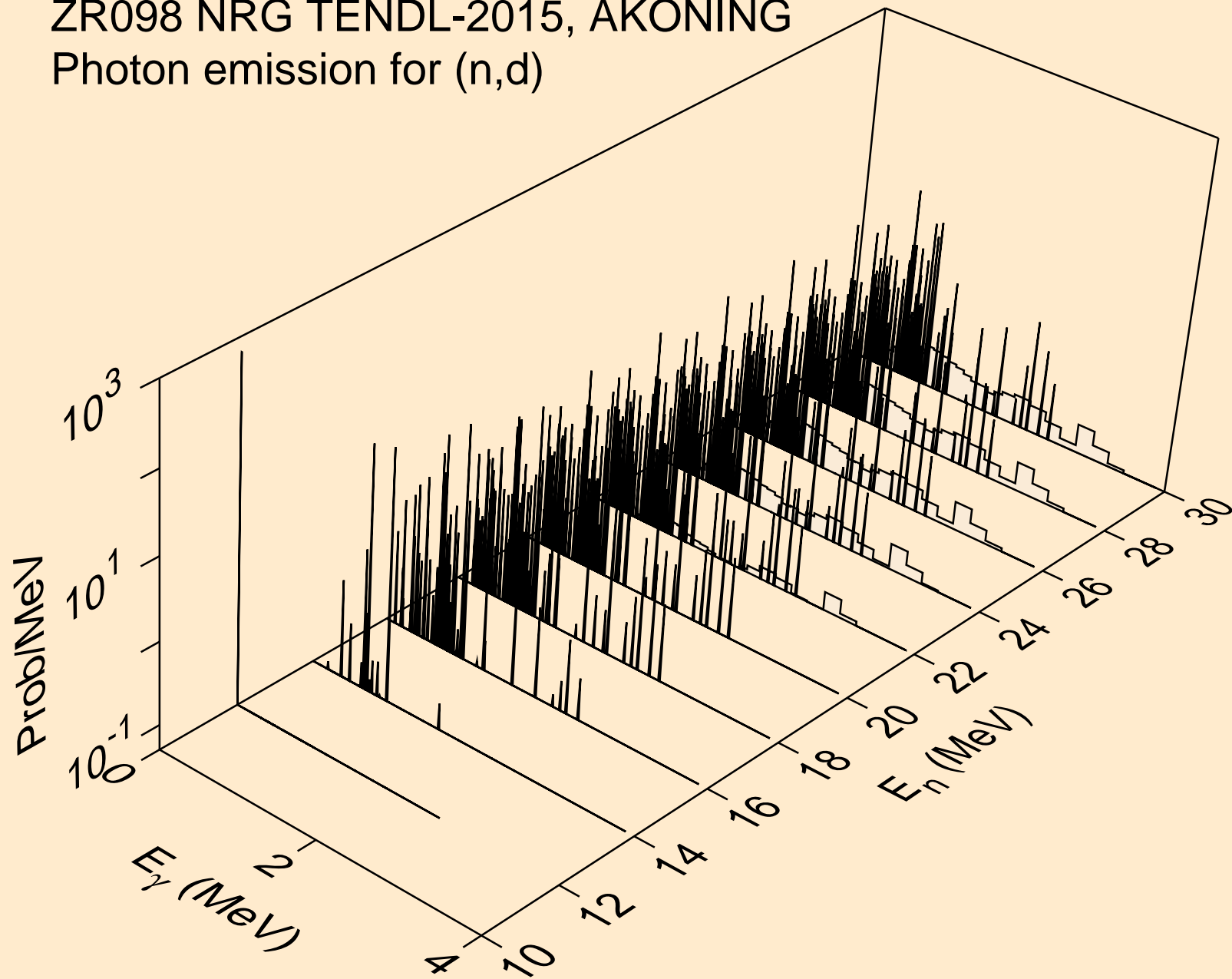
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

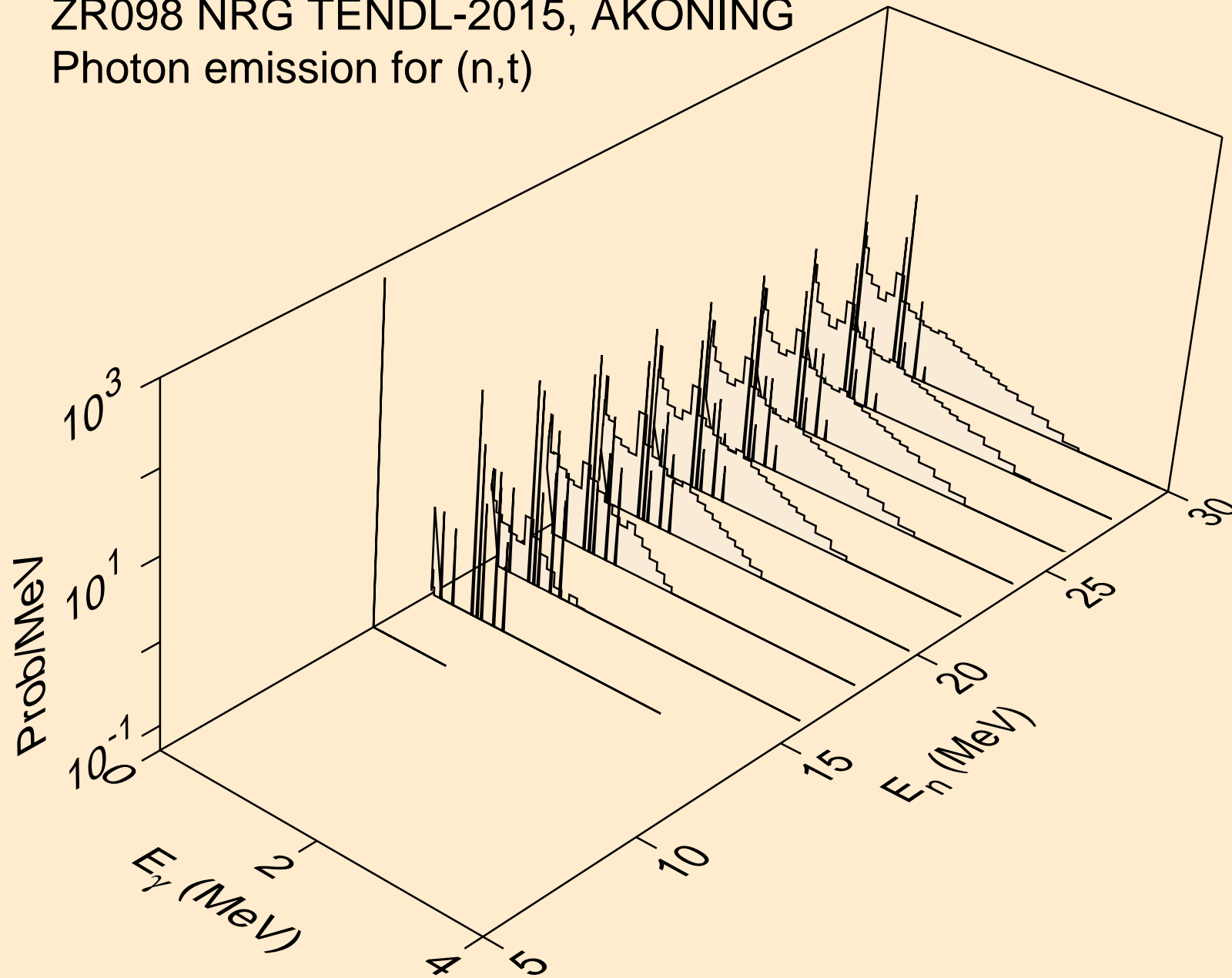


ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

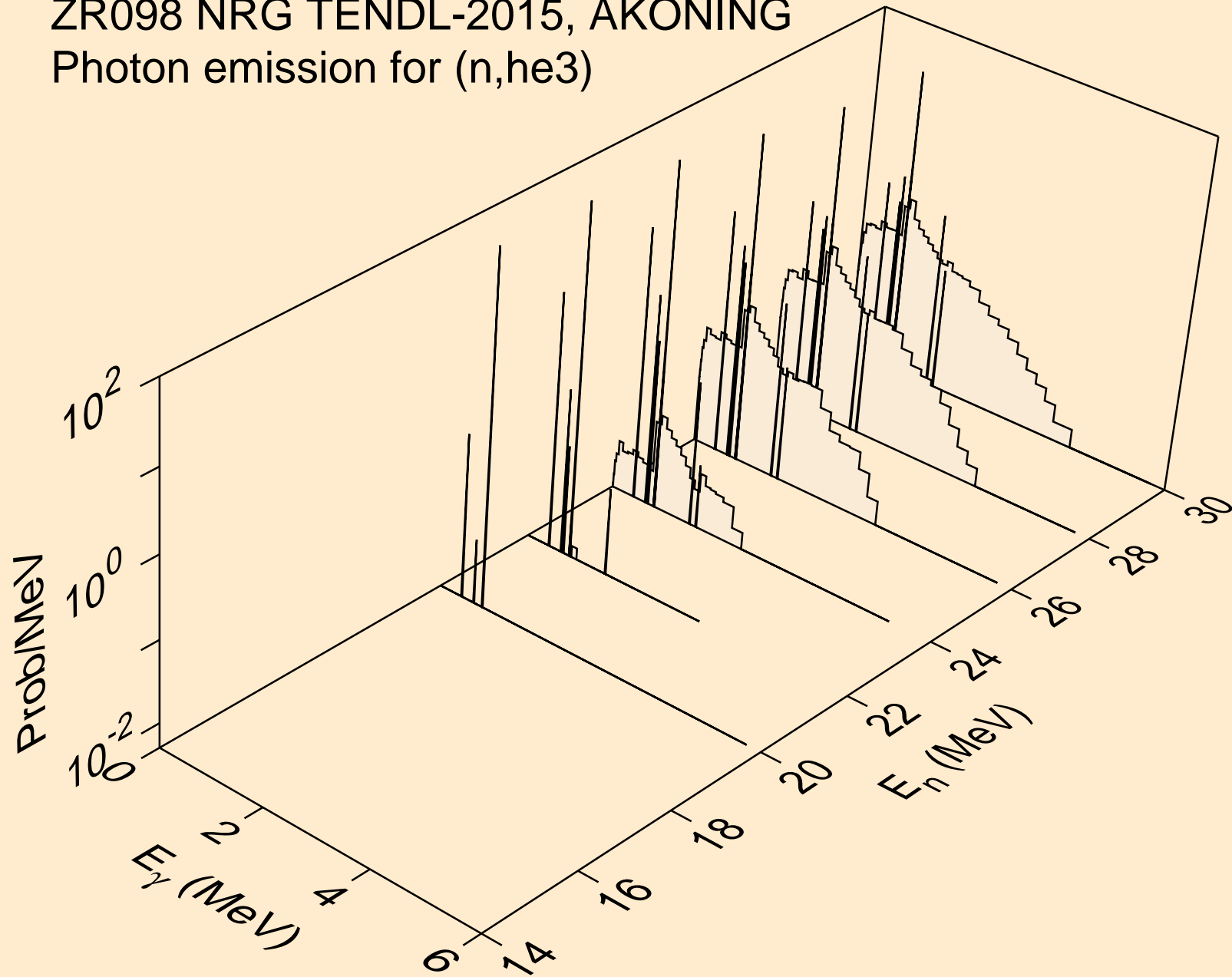




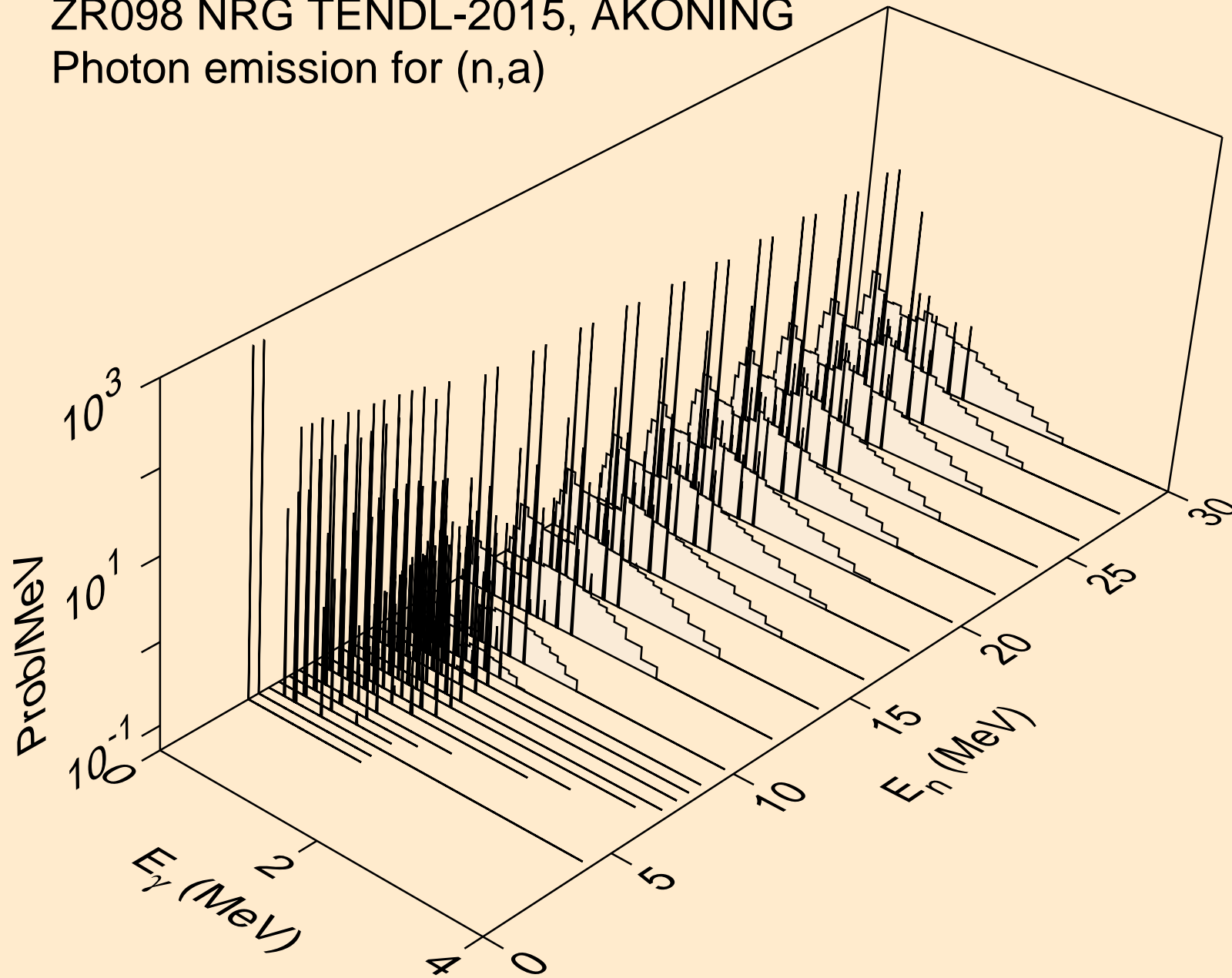
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



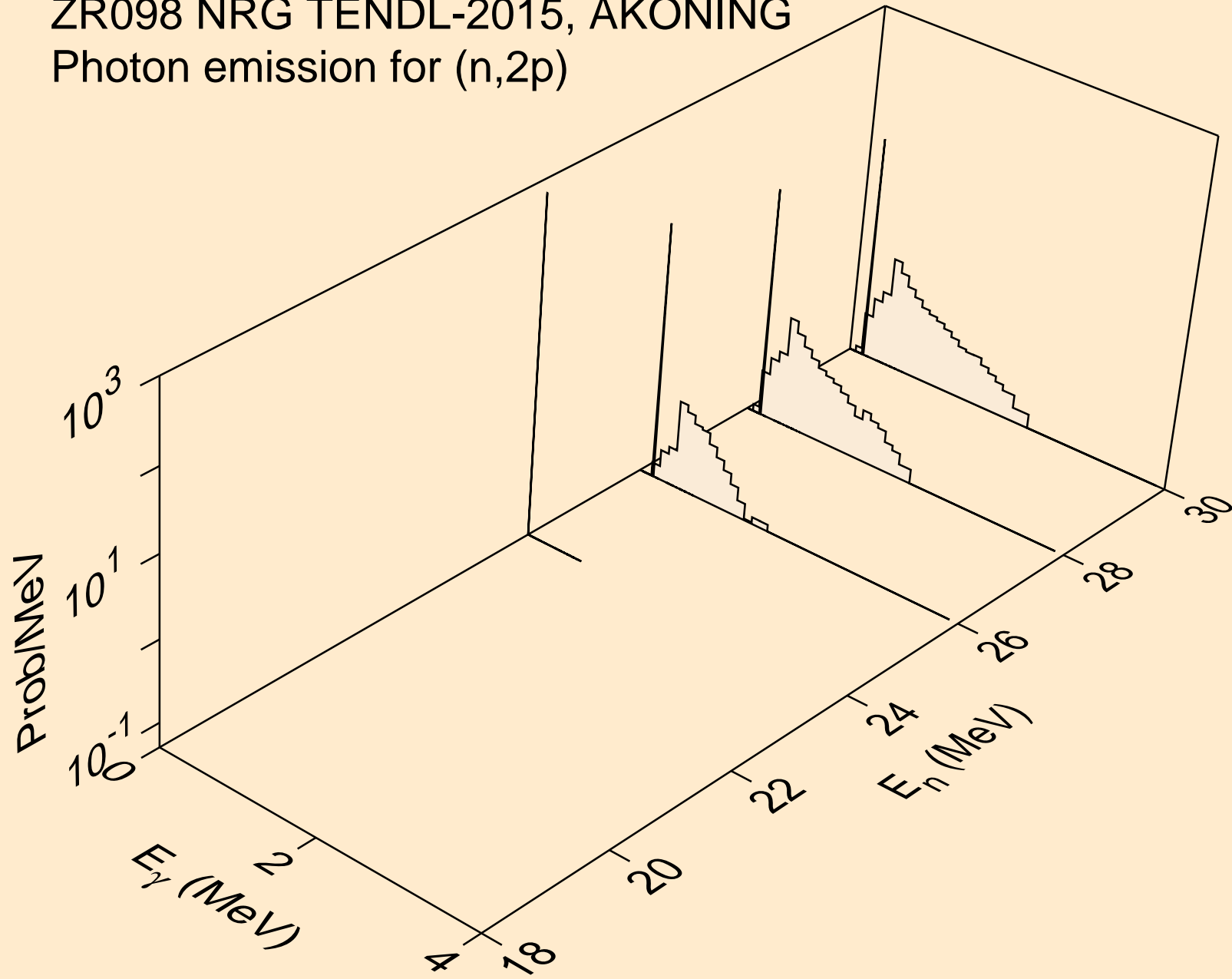
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



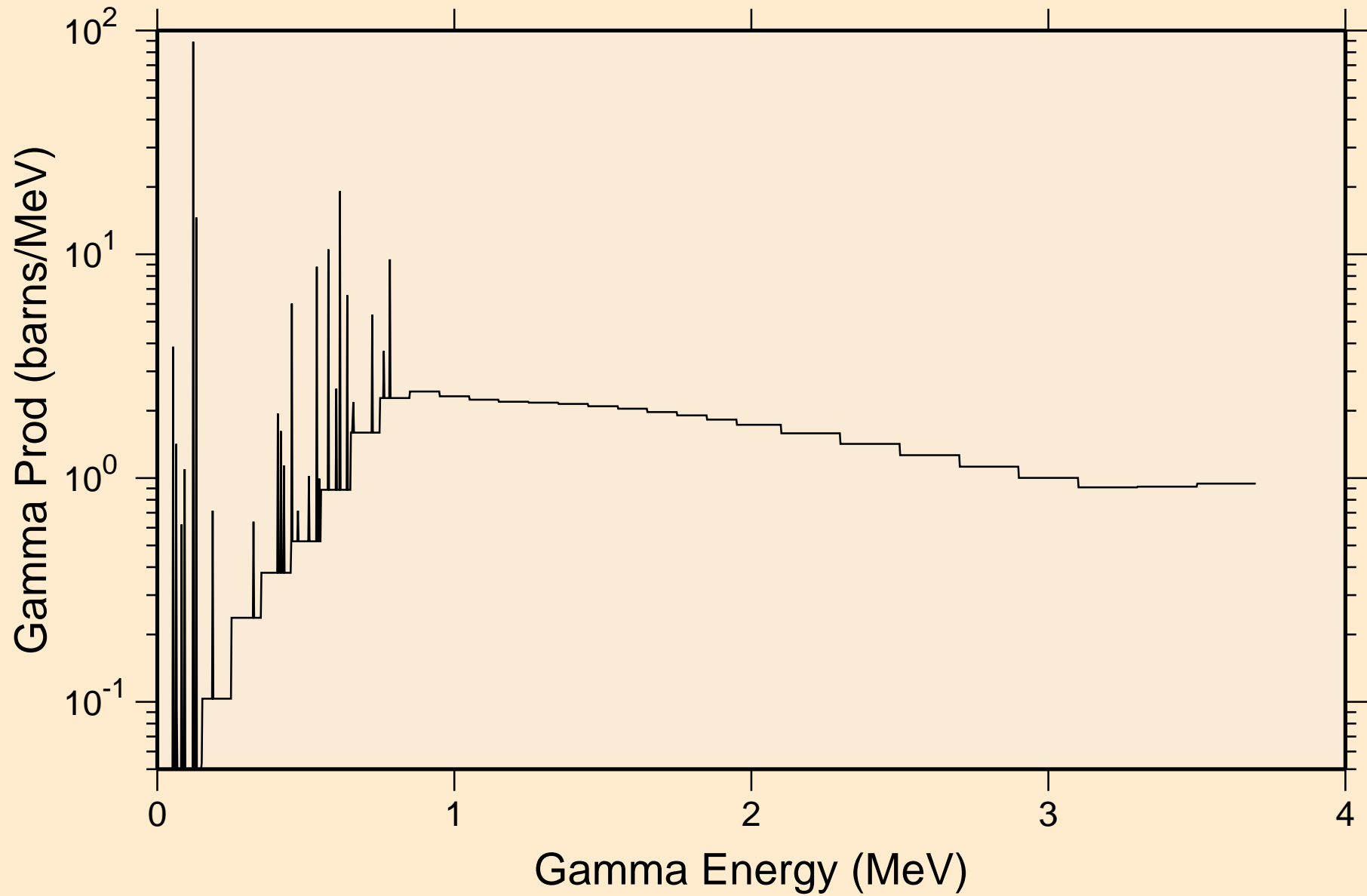
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



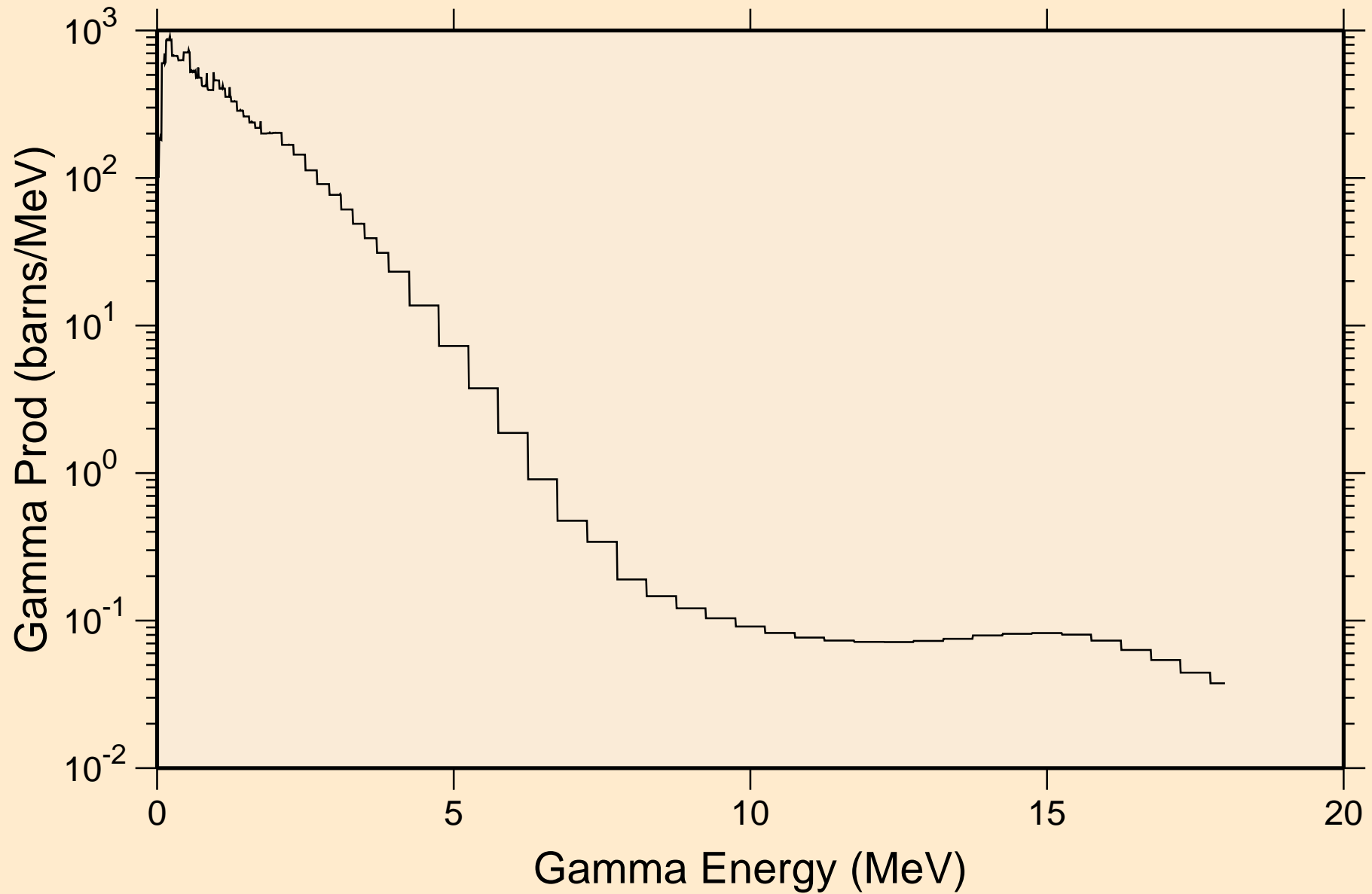
ZR098 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



ZR098 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

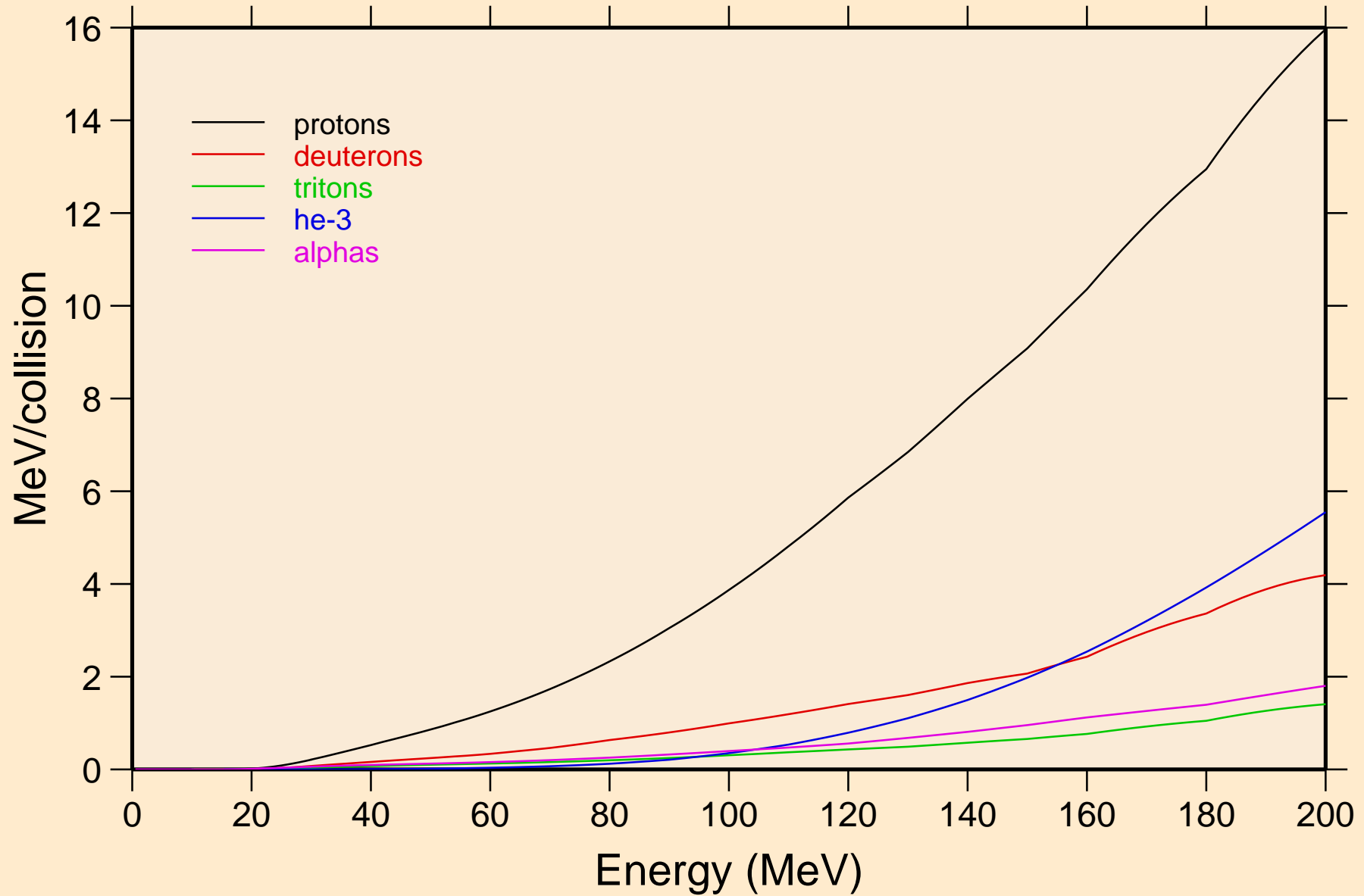


ZR098 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



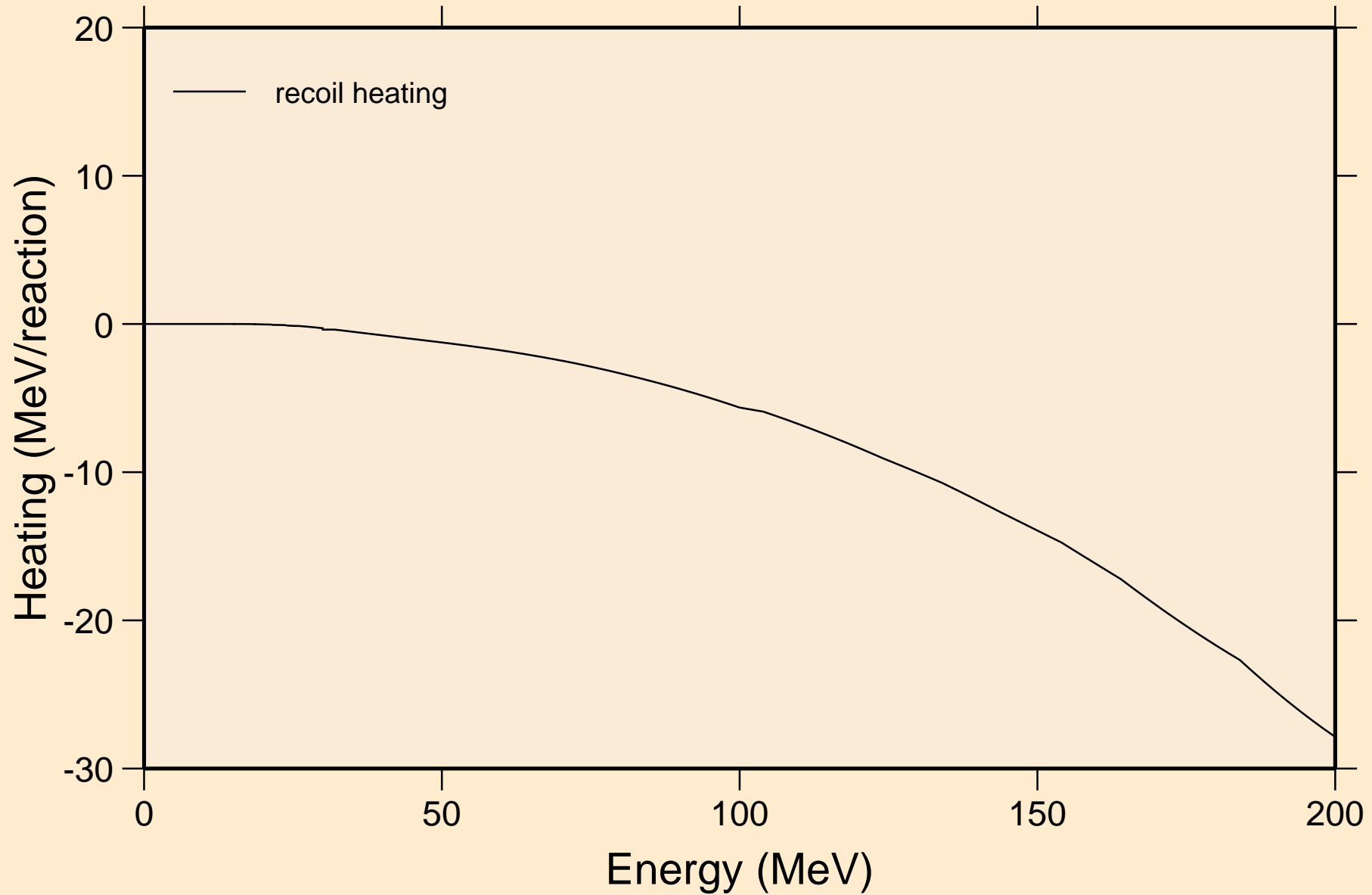
# ZR098 NRG TENDL-2015, AKONING

## Particle heating contributions



# ZR098 NRG TENDL-2015, AKONING

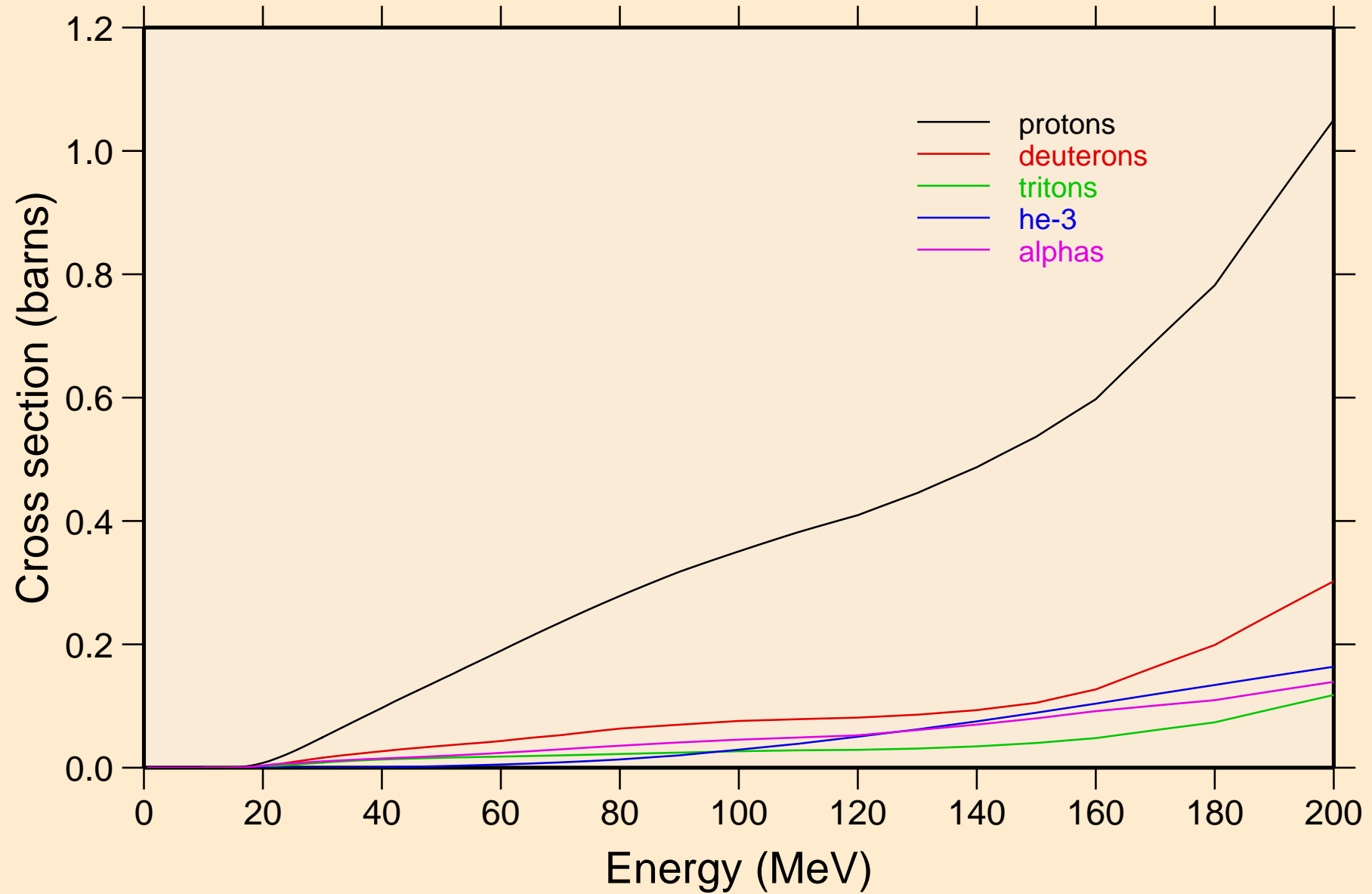
## Recoil Heating



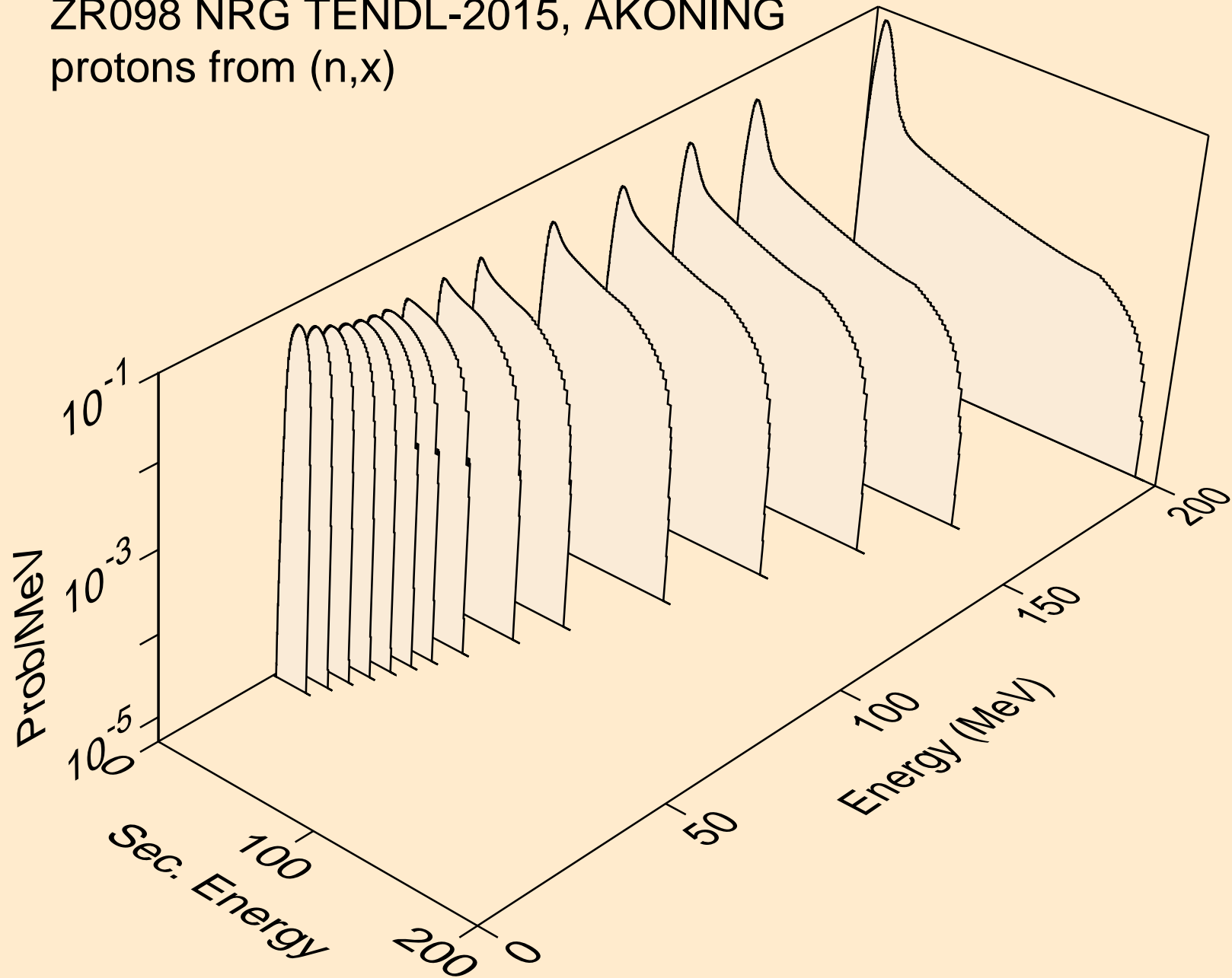


# ZR098 NRG TENDL-2015, AKONING

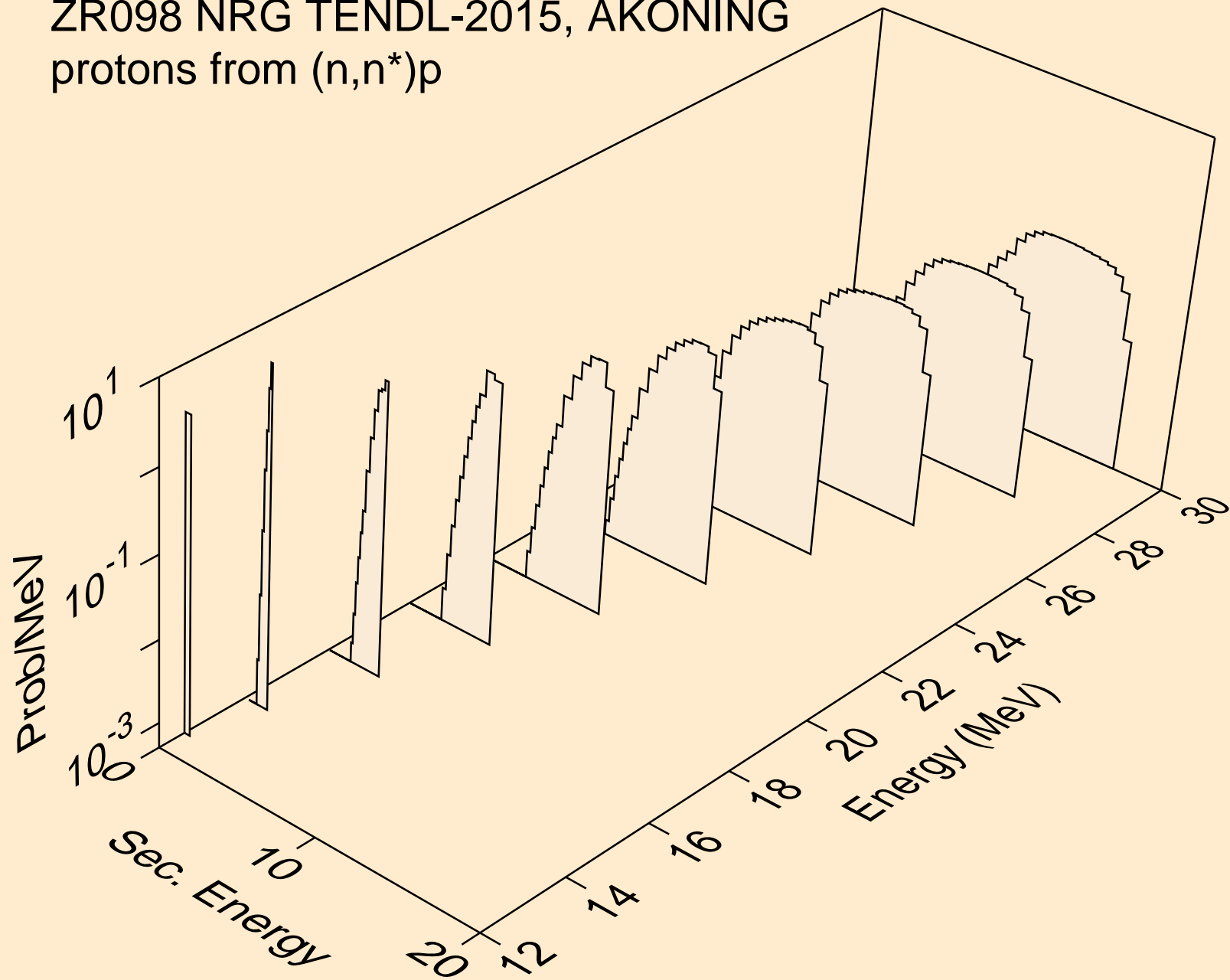
## Particle production cross sections



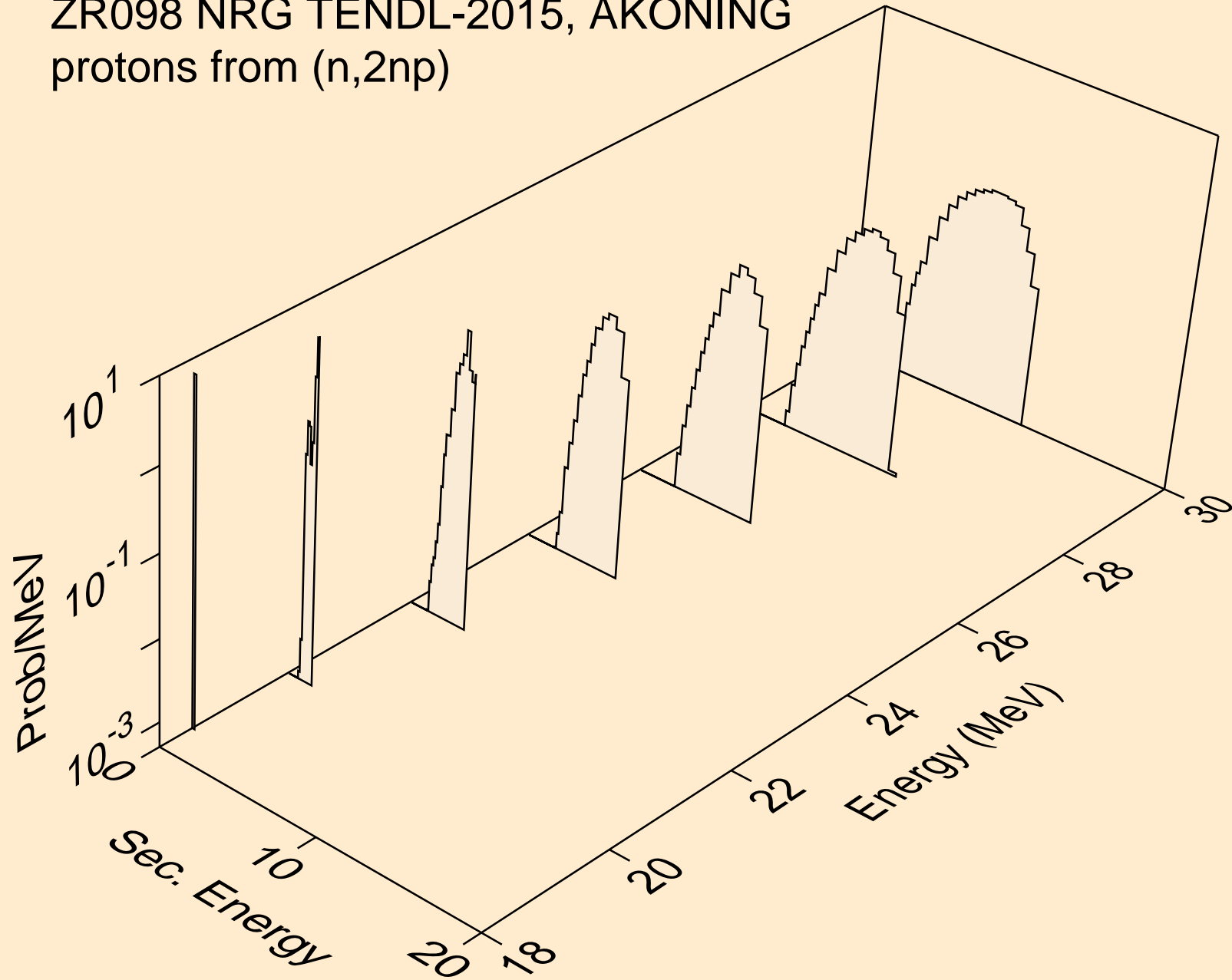
ZR098 NRG TENDL-2015, AKONING  
protons from (n,x)



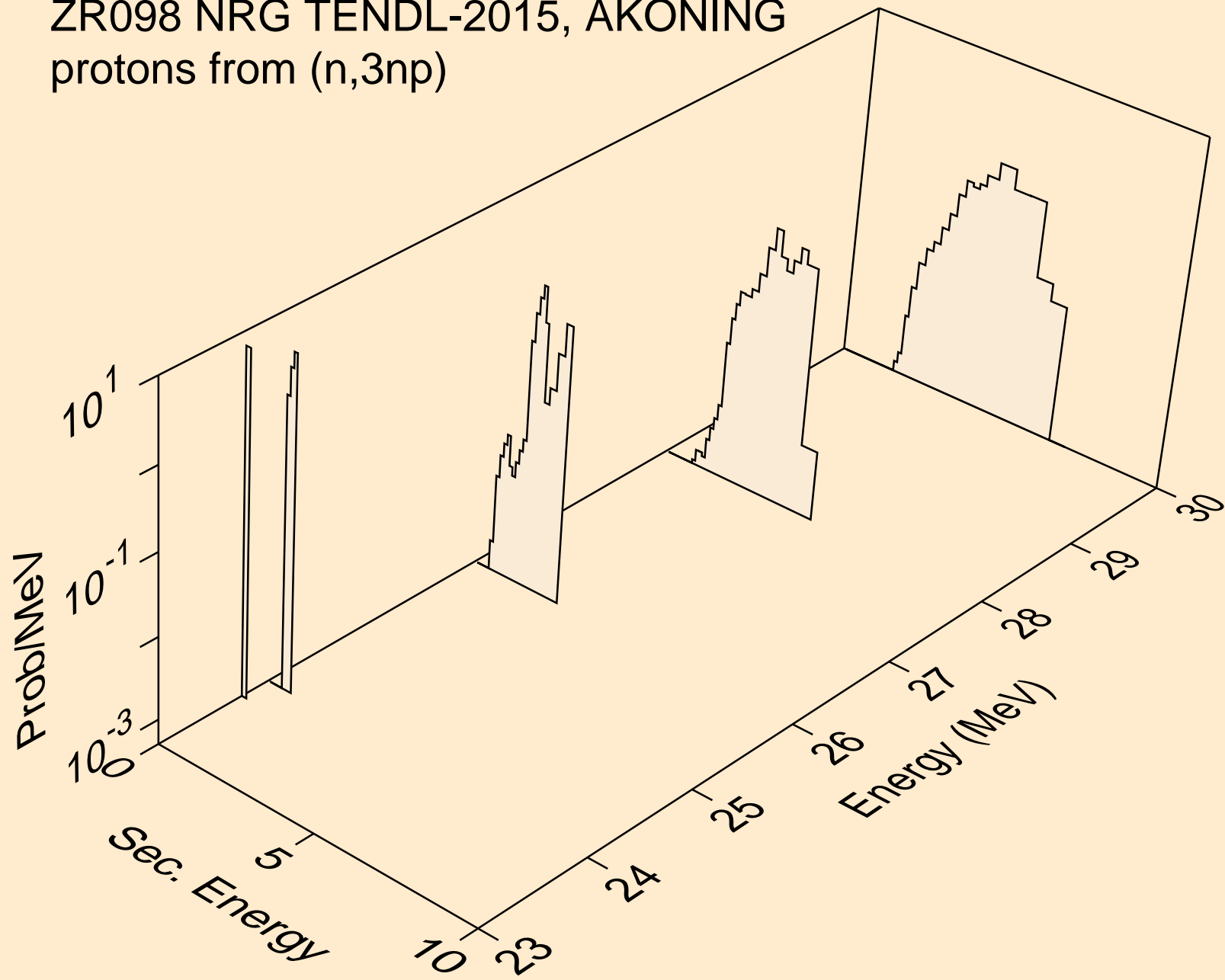
ZR098 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



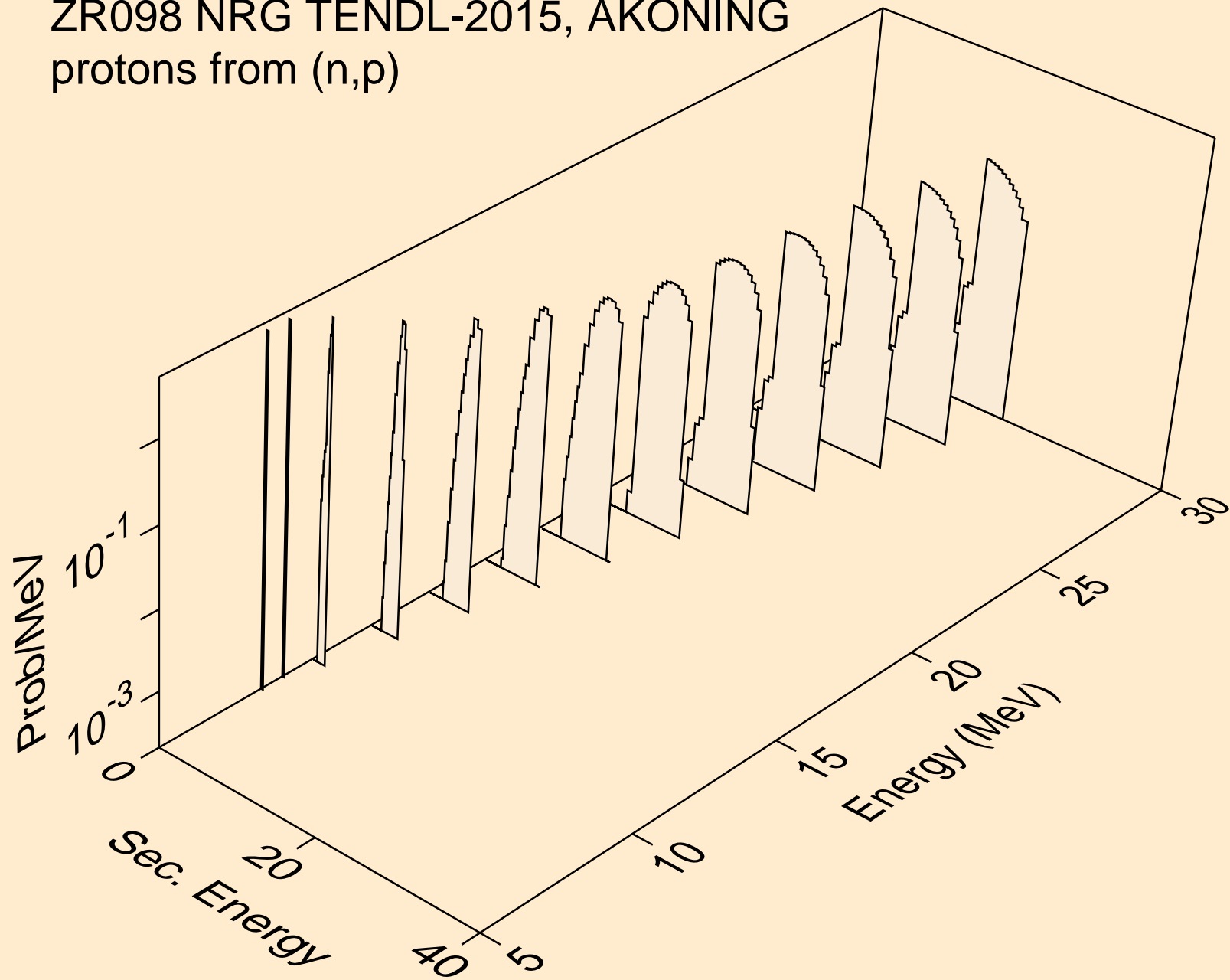
ZR098 NRG TENDL-2015, AKONING  
protons from (n,2np)



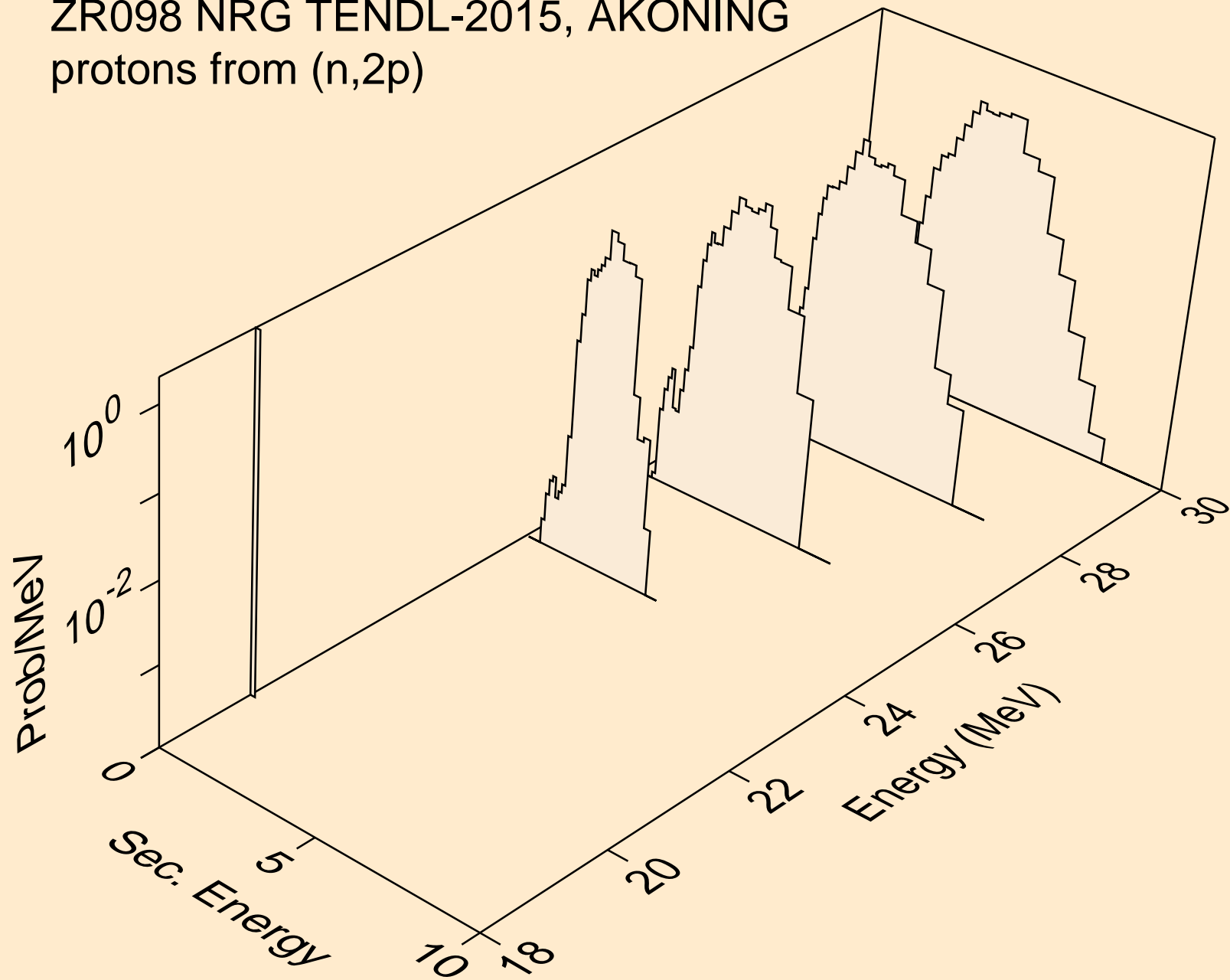
ZR098 NRG TENDL-2015, AKONING  
protons from (n,3np)



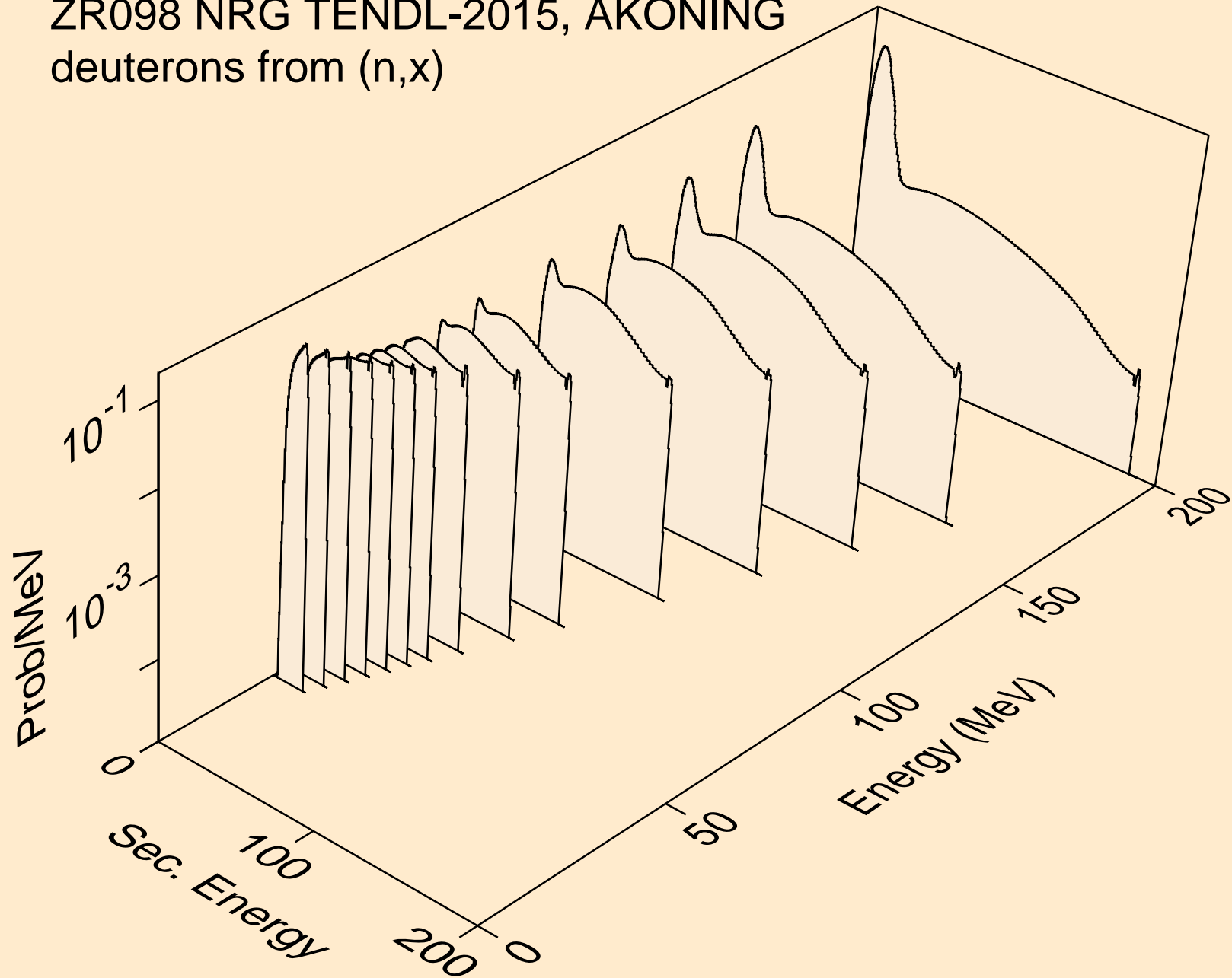
ZR098 NRG TENDL-2015, AKONING  
protons from (n,p)



ZR098 NRG TENDL-2015, AKONING  
protons from (n,2p)

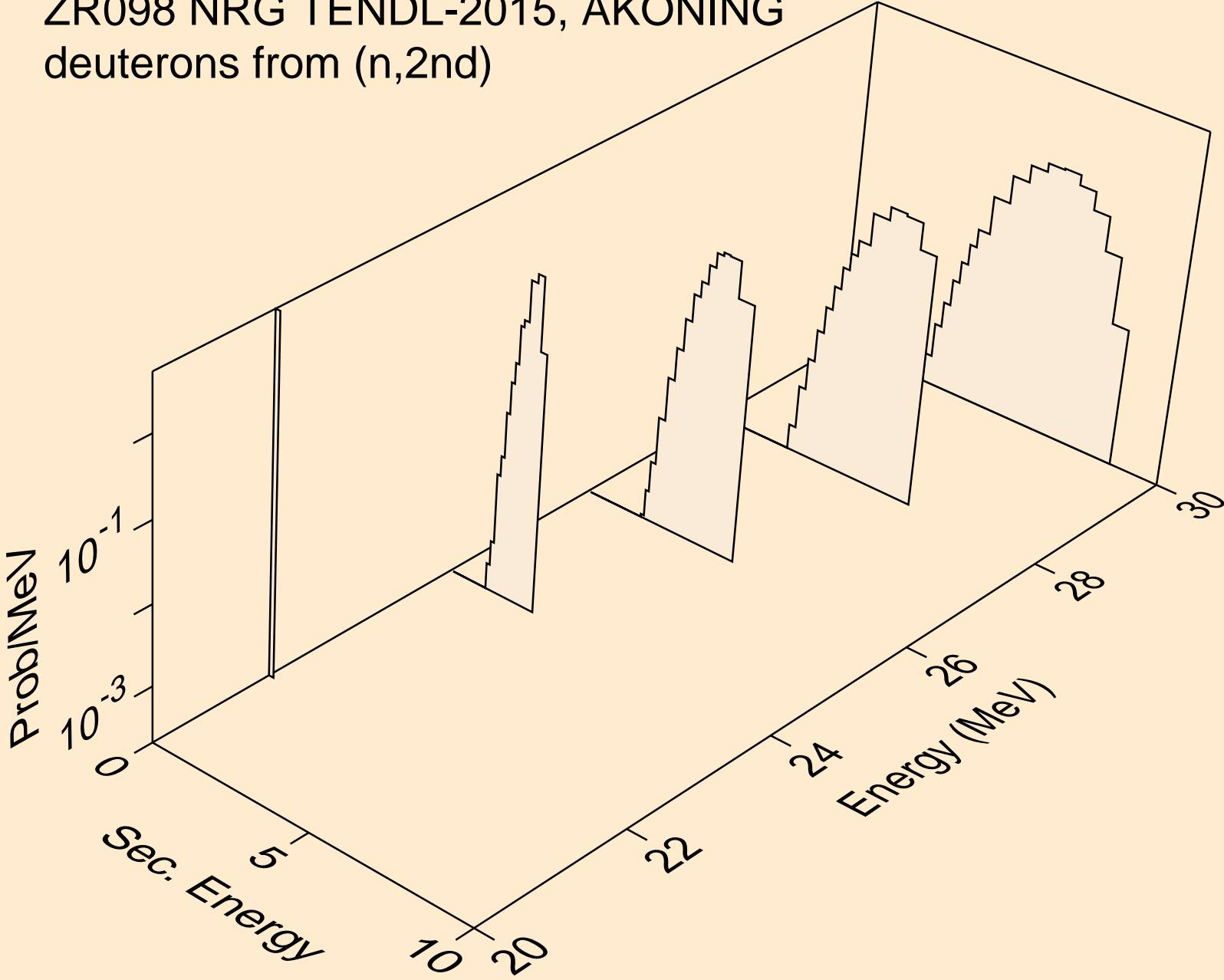


ZR098 NRG TENDL-2015, AKONING  
deuterons from (n,x)

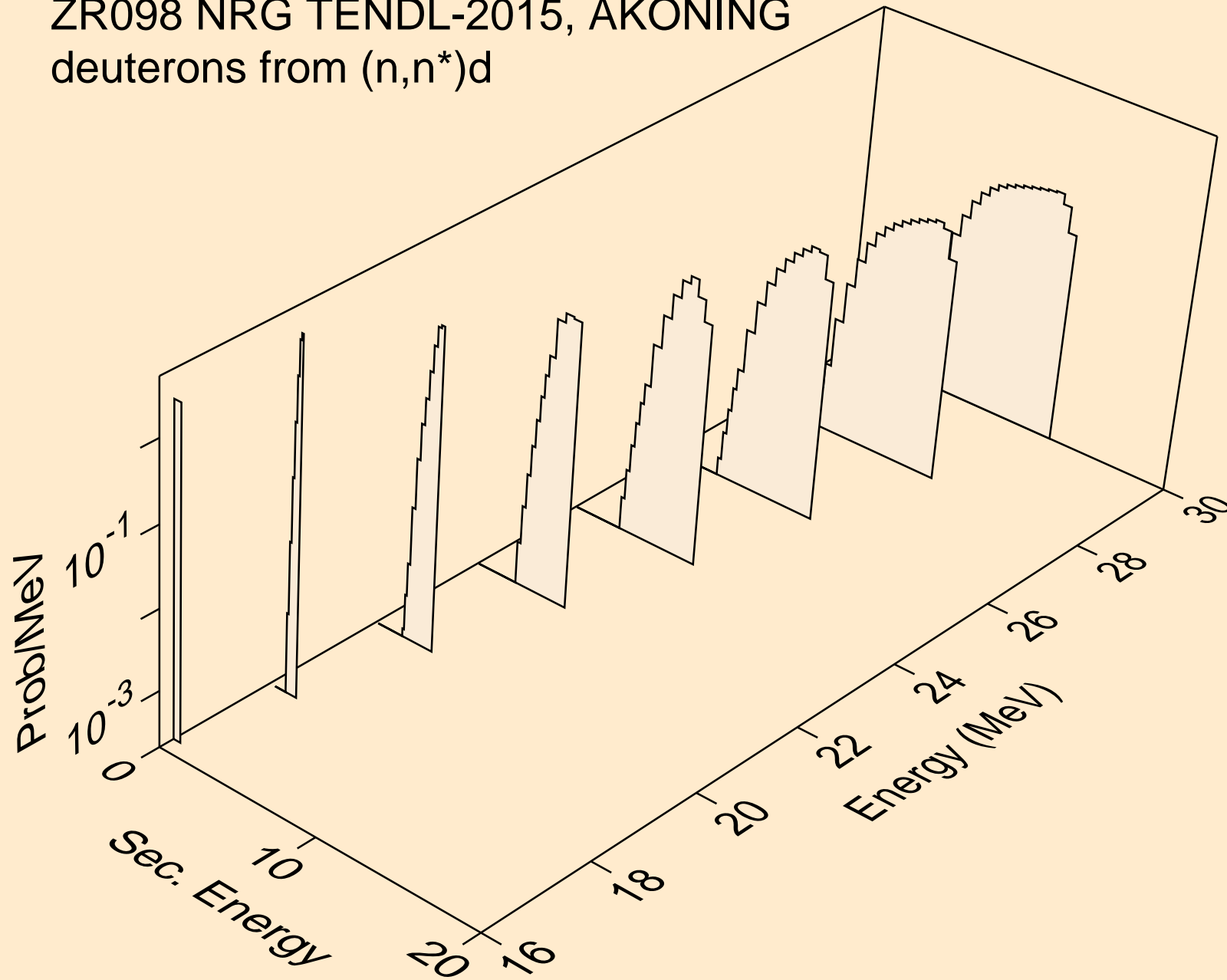




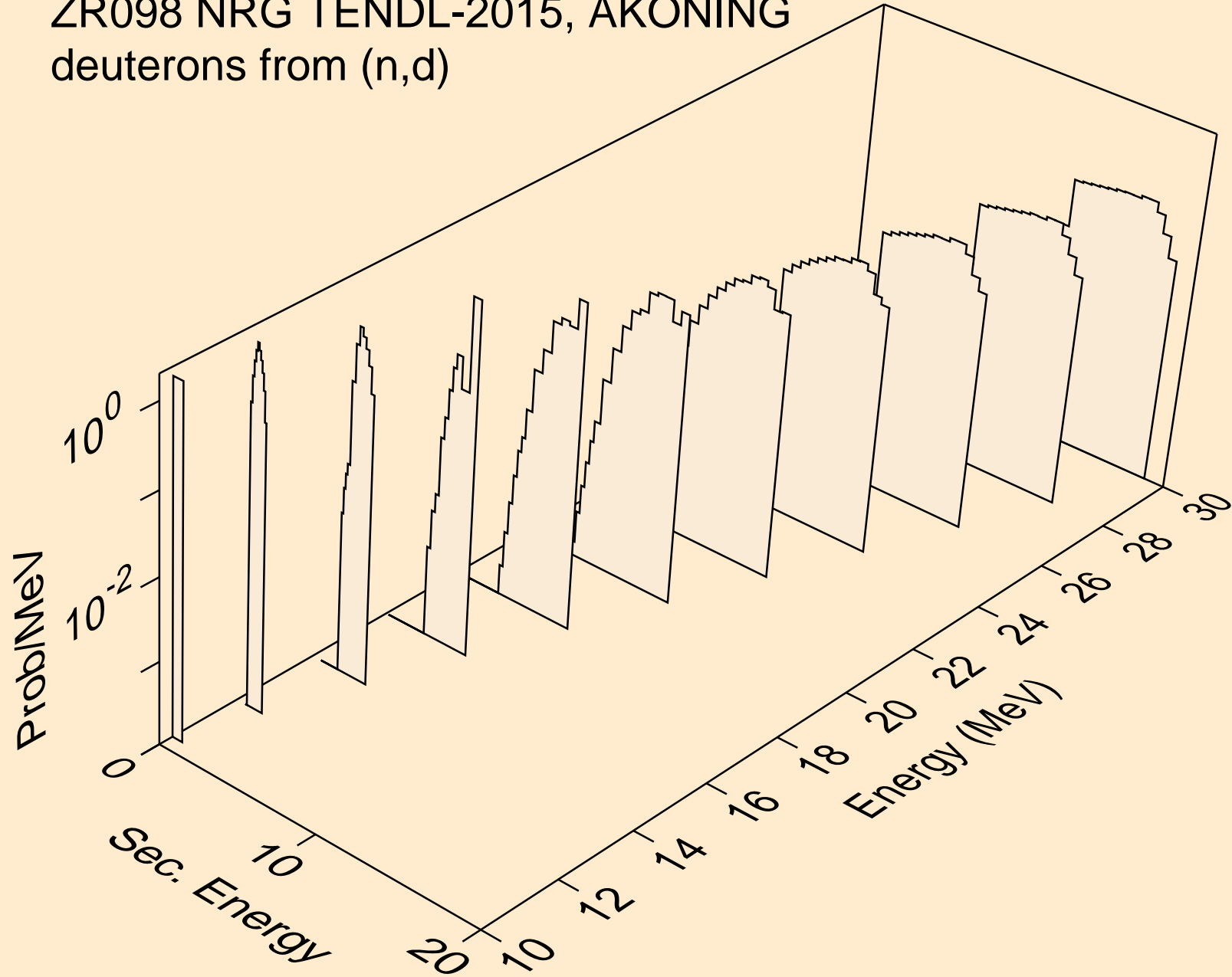
ZR098 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



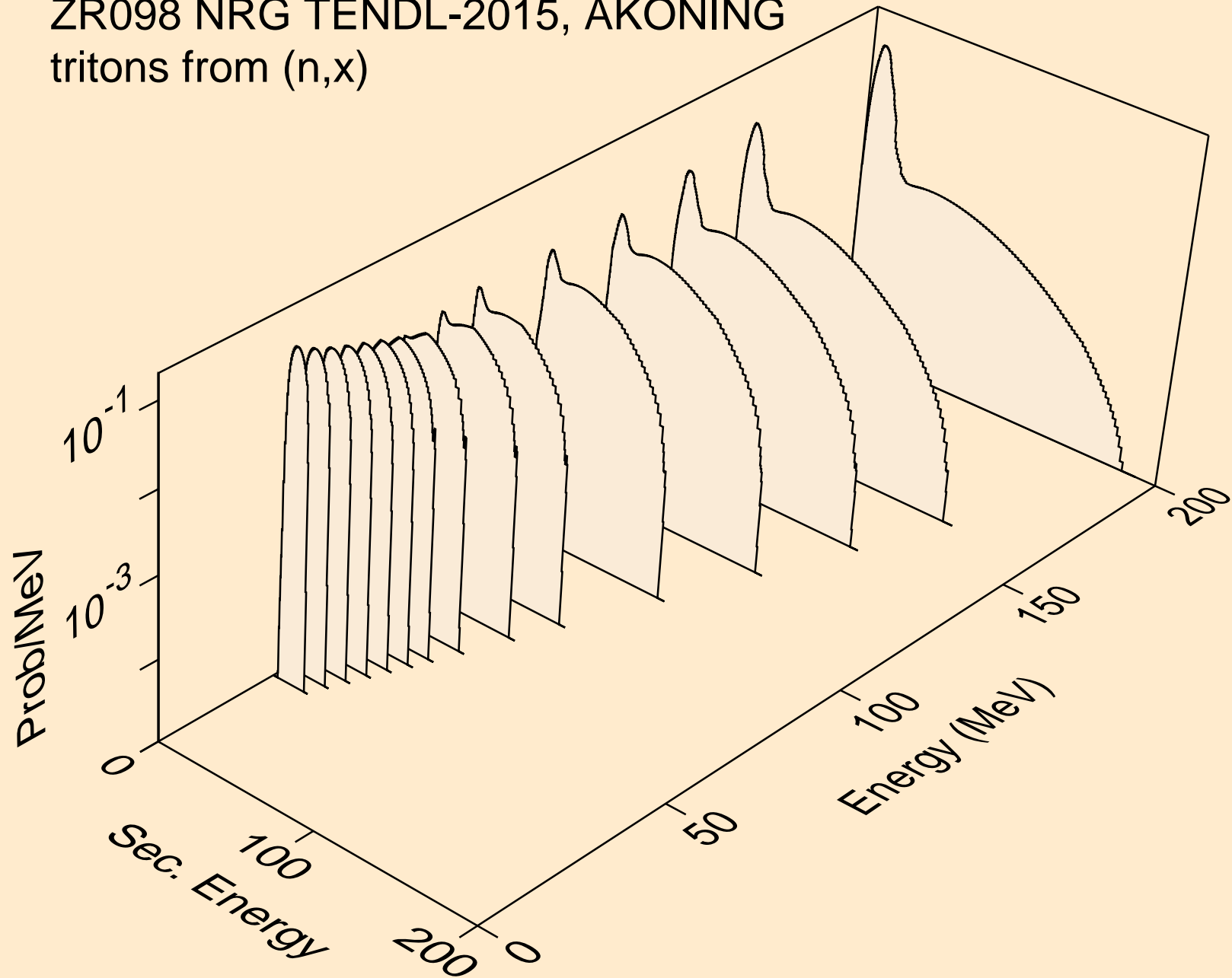
ZR098 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



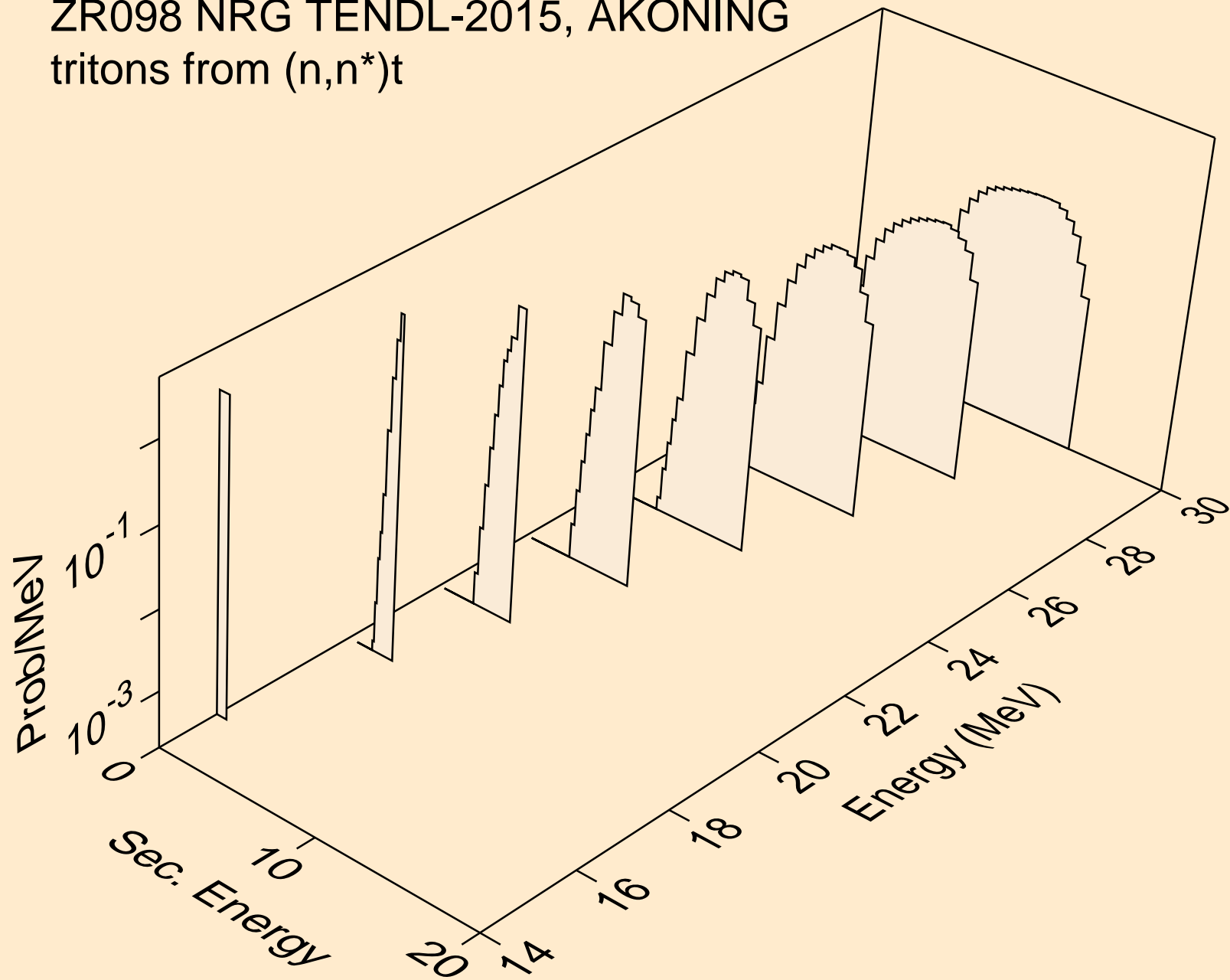
ZR098 NRG TENDL-2015, AKONING  
deuterons from (n,d)



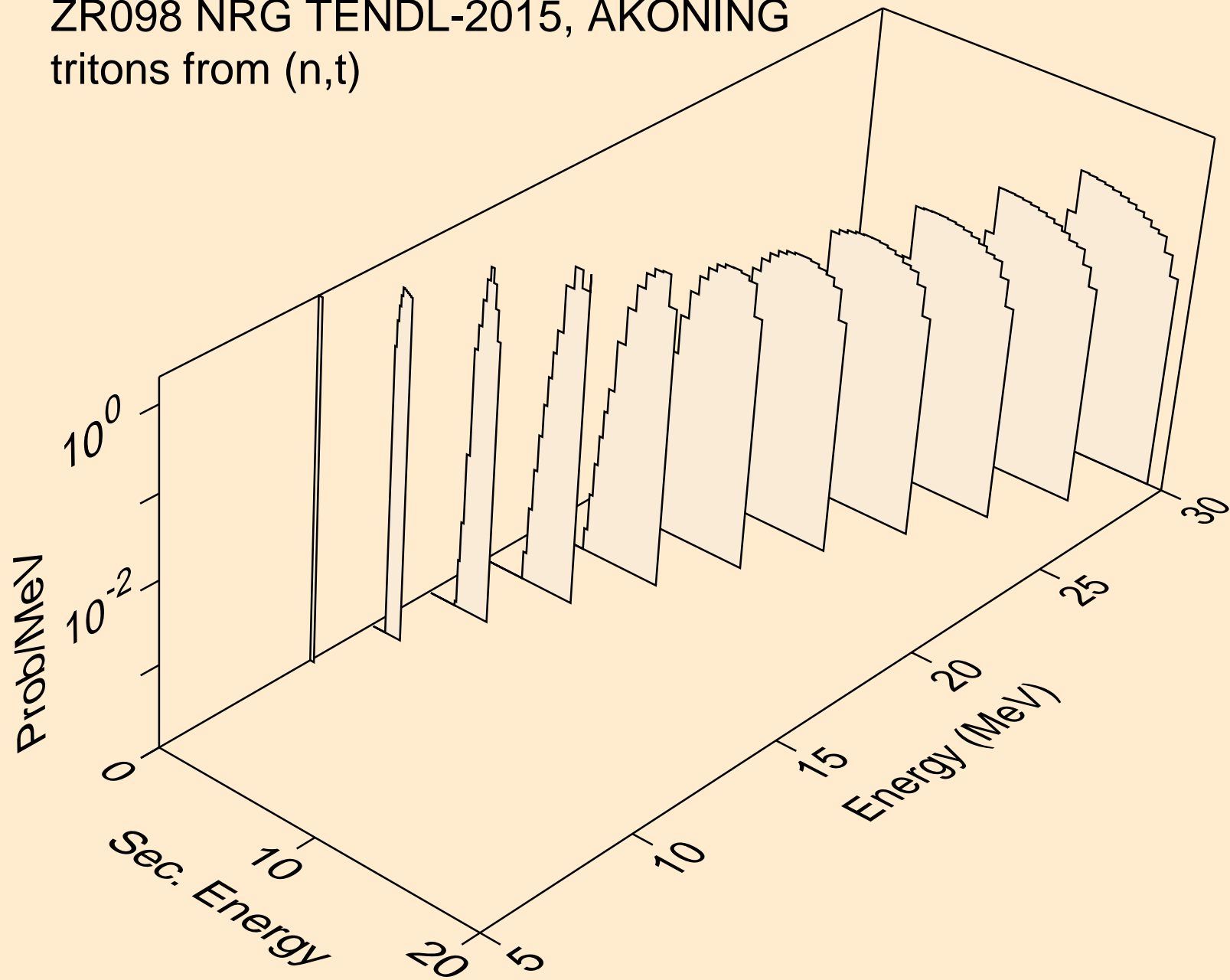
ZR098 NRG TENDL-2015, AKONING  
tritons from (n,x)



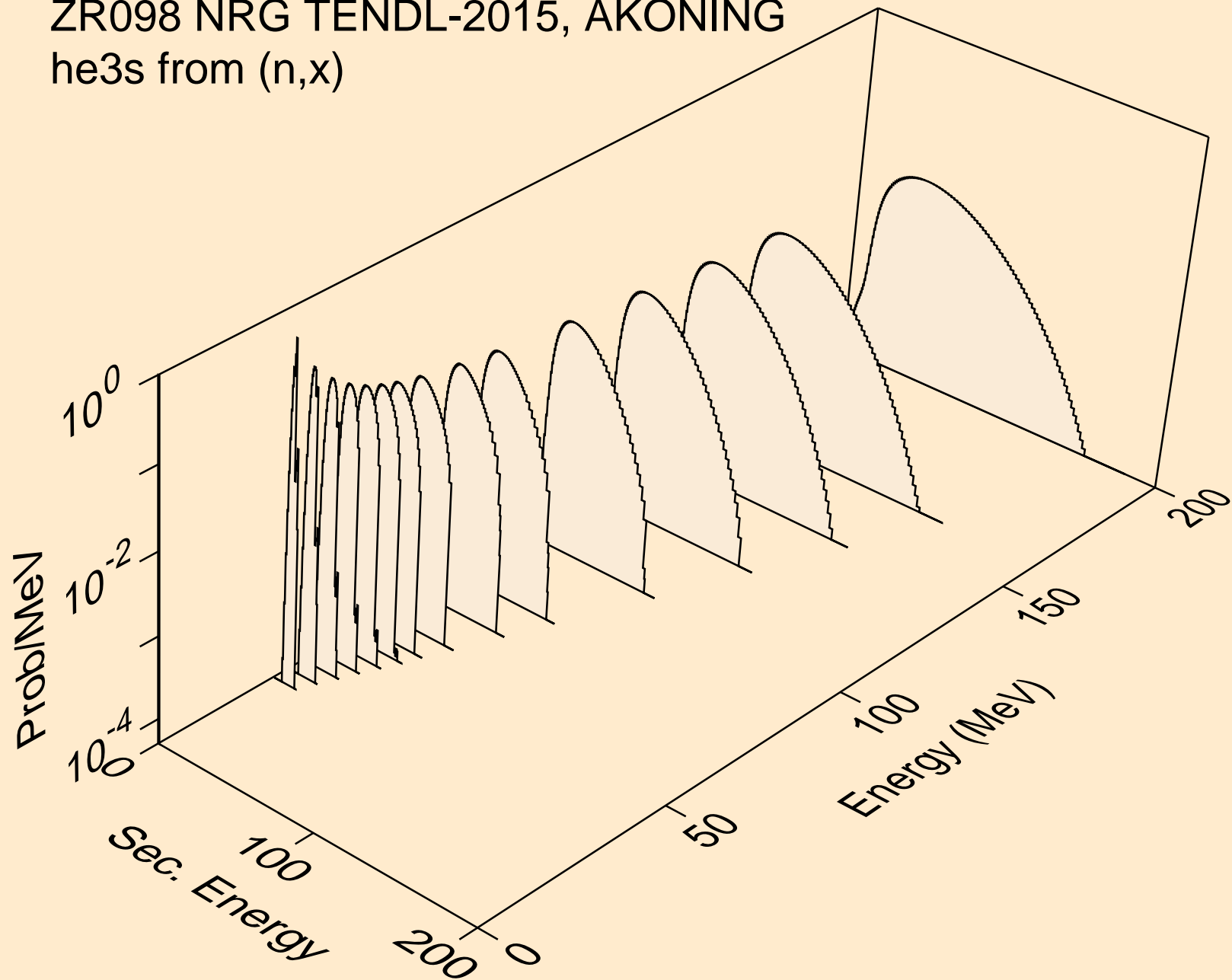
ZR098 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



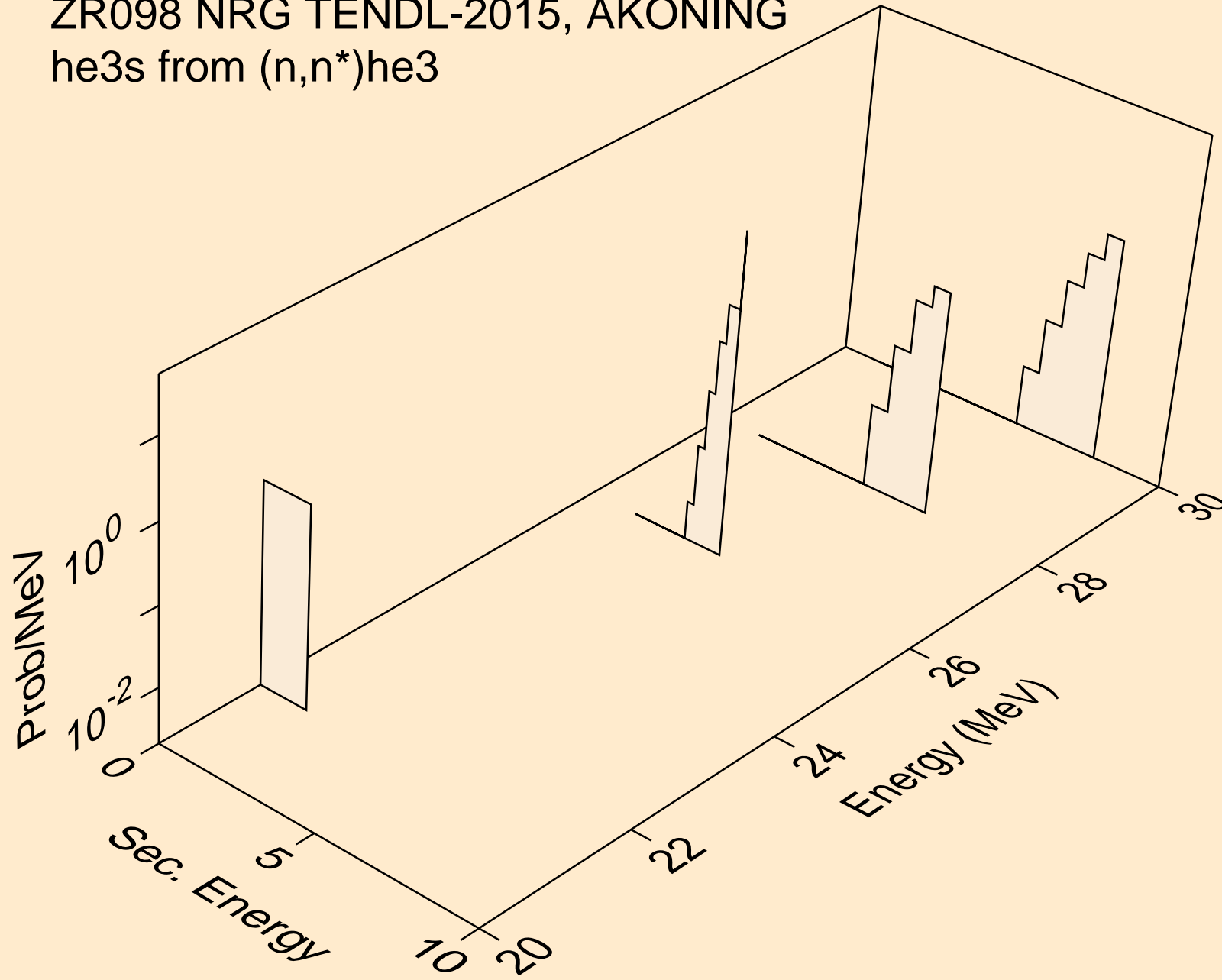
ZR098 NRG TENDL-2015, AKONING  
tritons from (n,t)



ZR098 NRG TENDL-2015, AKONING  
he3s from (n,x)

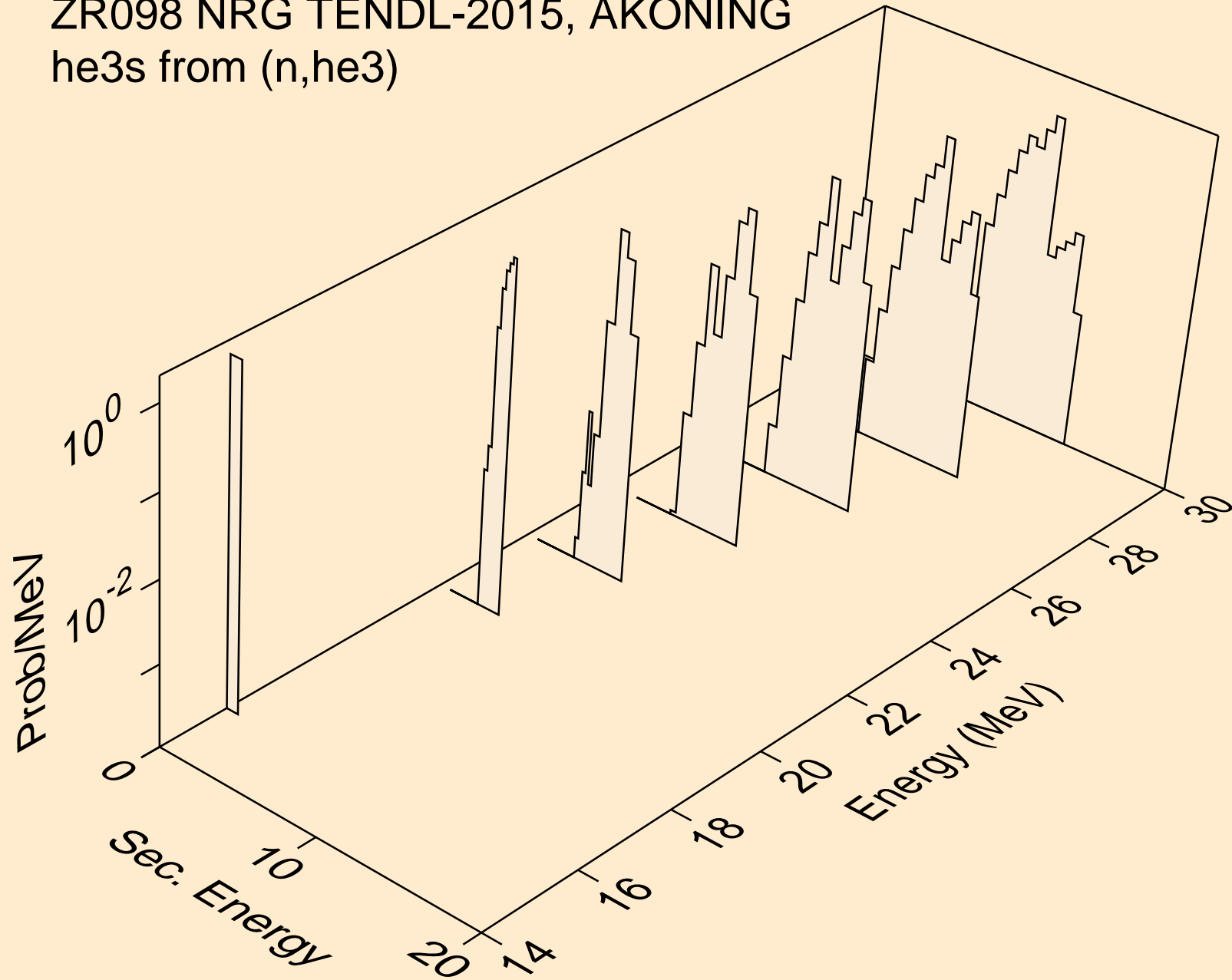


ZR098 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

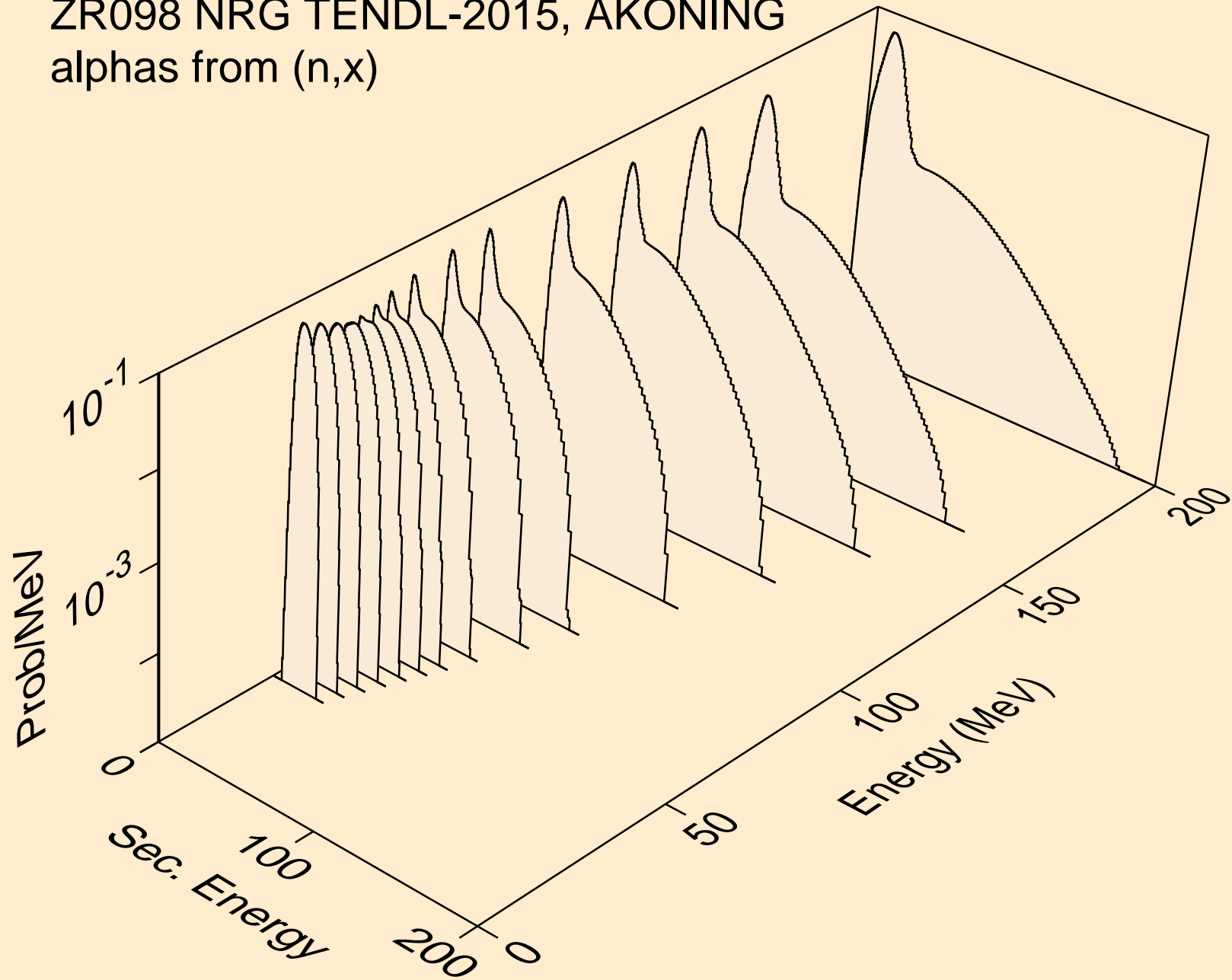




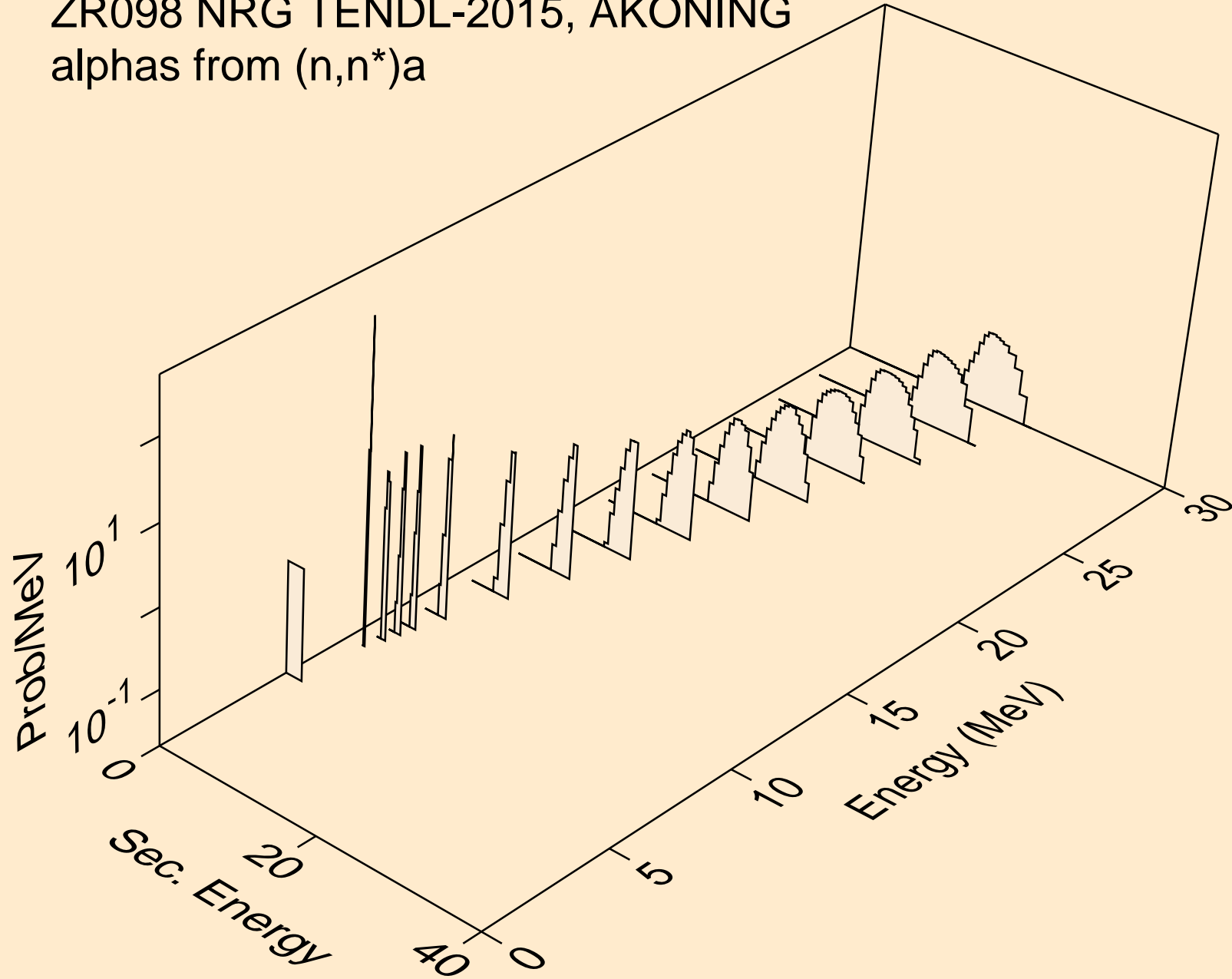
ZR098 NRG TENDL-2015, AKONING  
he3s from (n,he3)



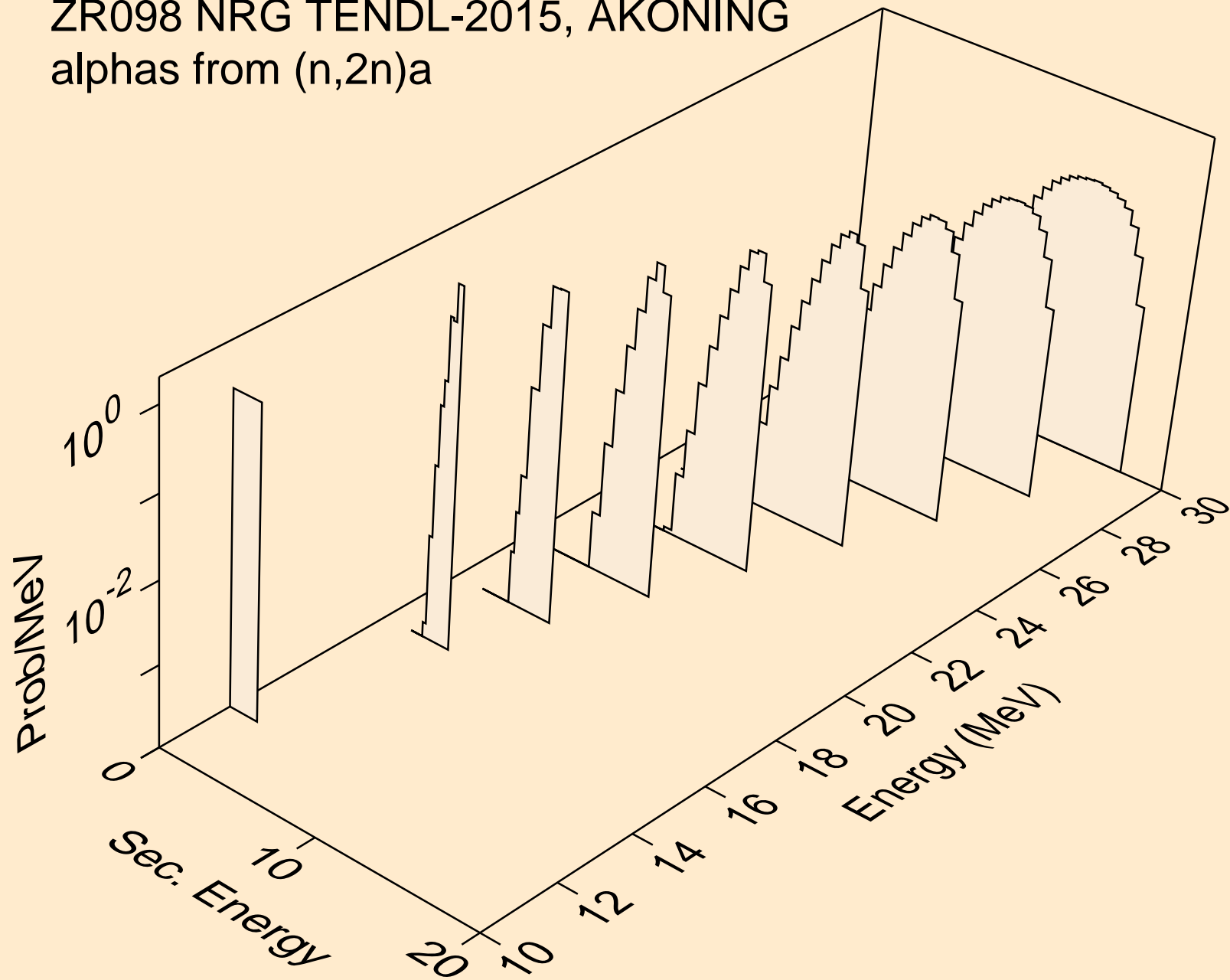
ZR098 NRG TENDL-2015, AKONING  
alphas from (n,x)



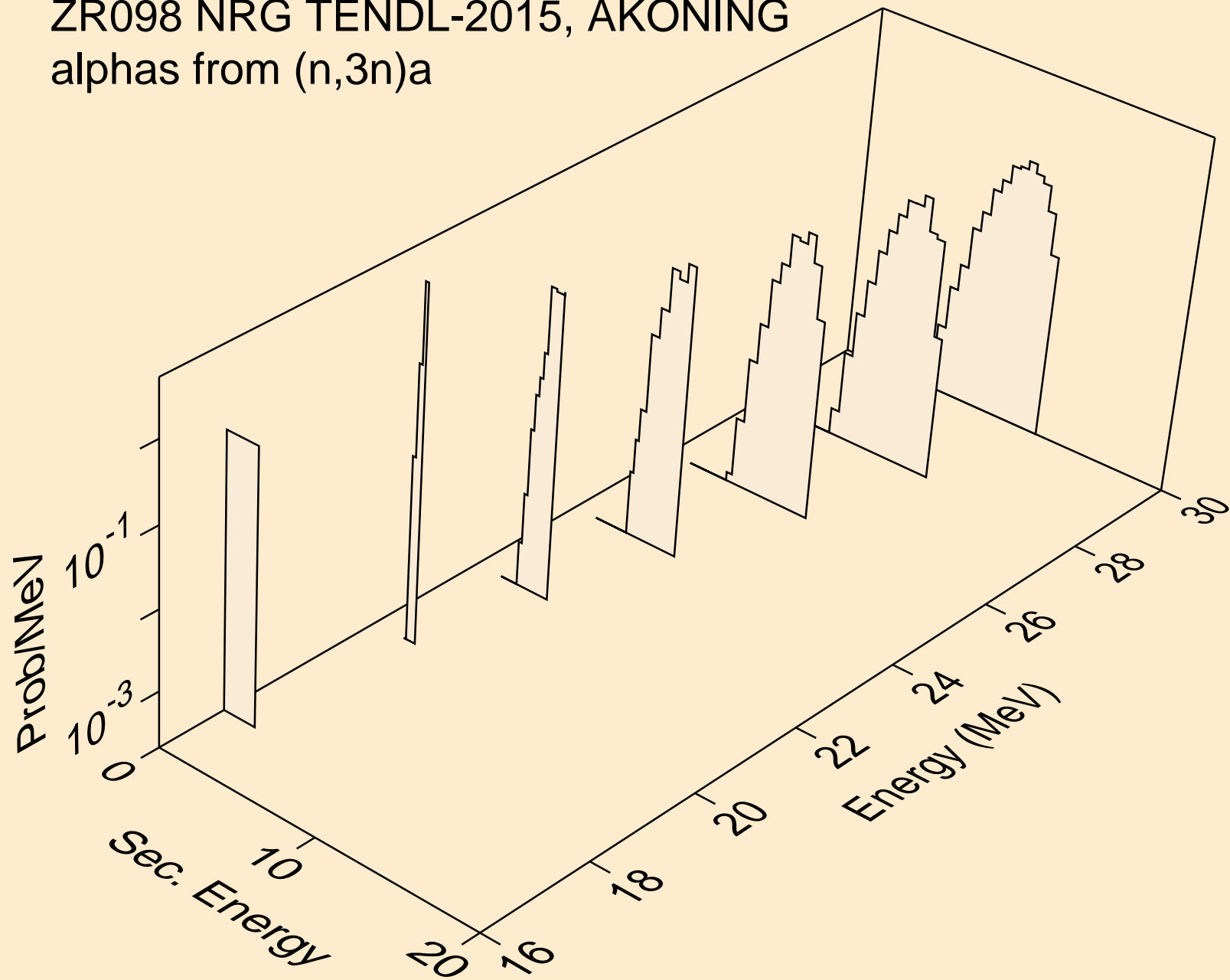
ZR098 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



ZR098 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



ZR098 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



ZR098 NRG TENDL-2015, AKONING  
alphas from (n,a)

