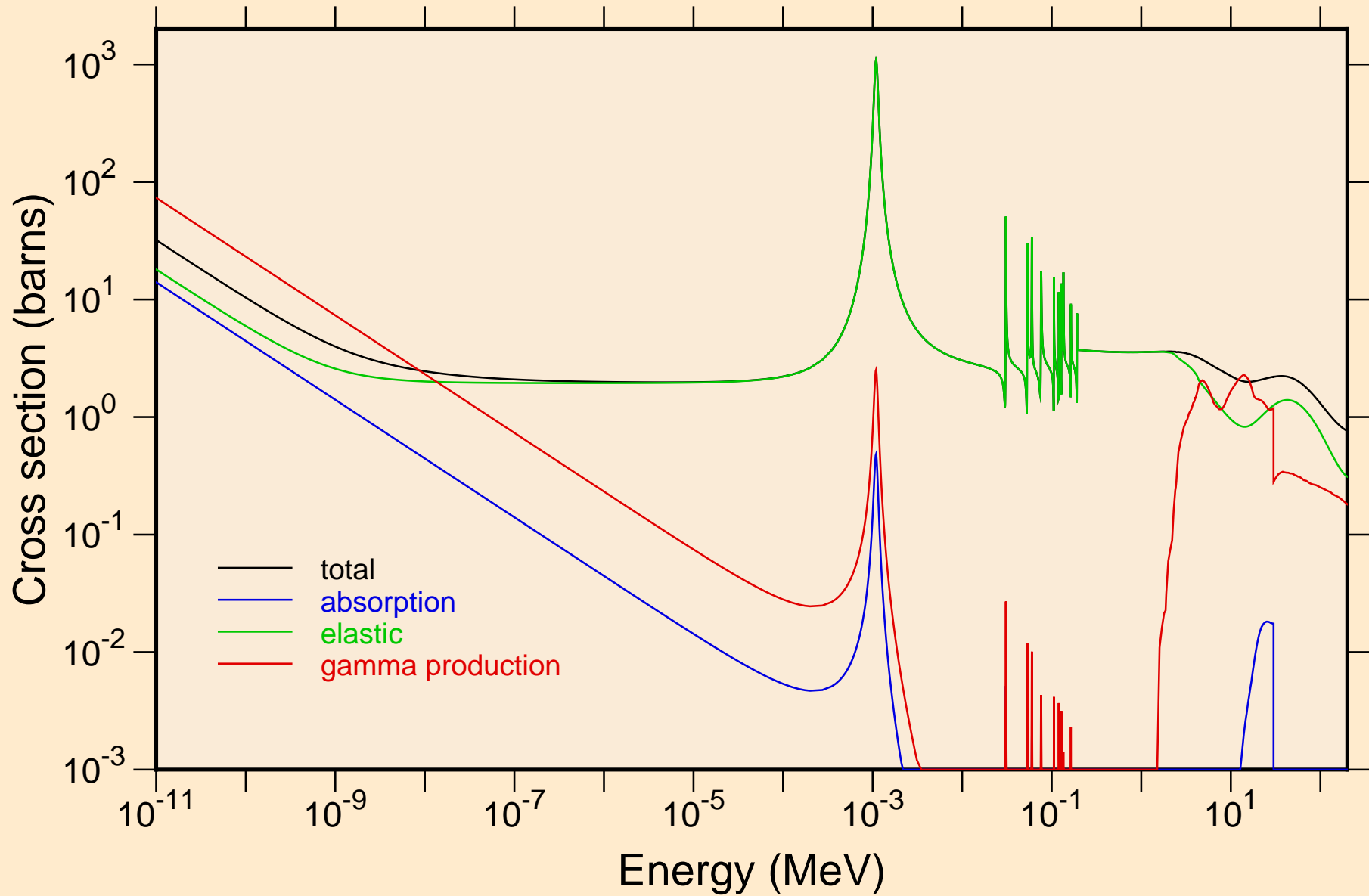
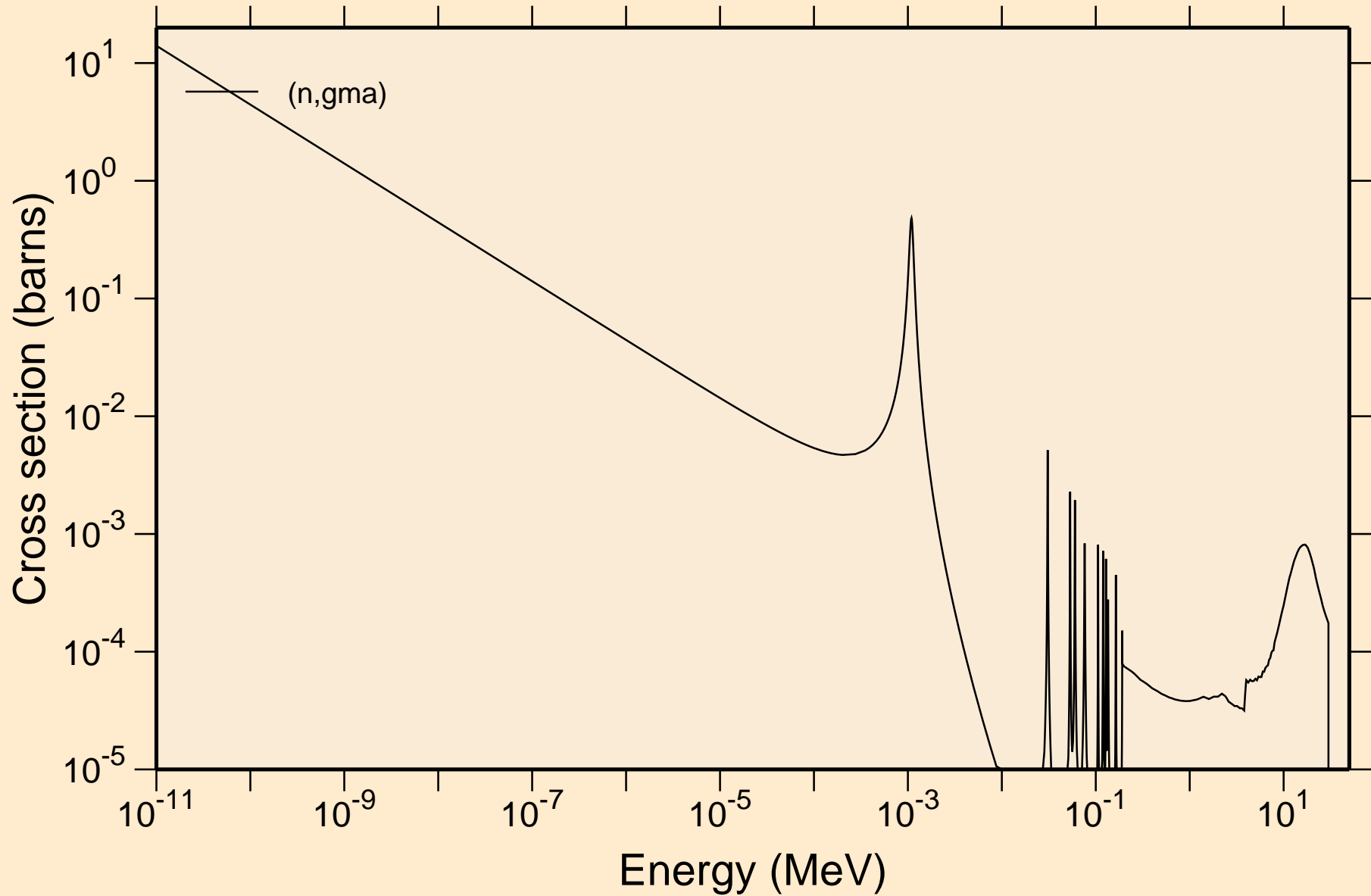


# S039 NRG TENDL-2015, AKONING

## Principal cross sections

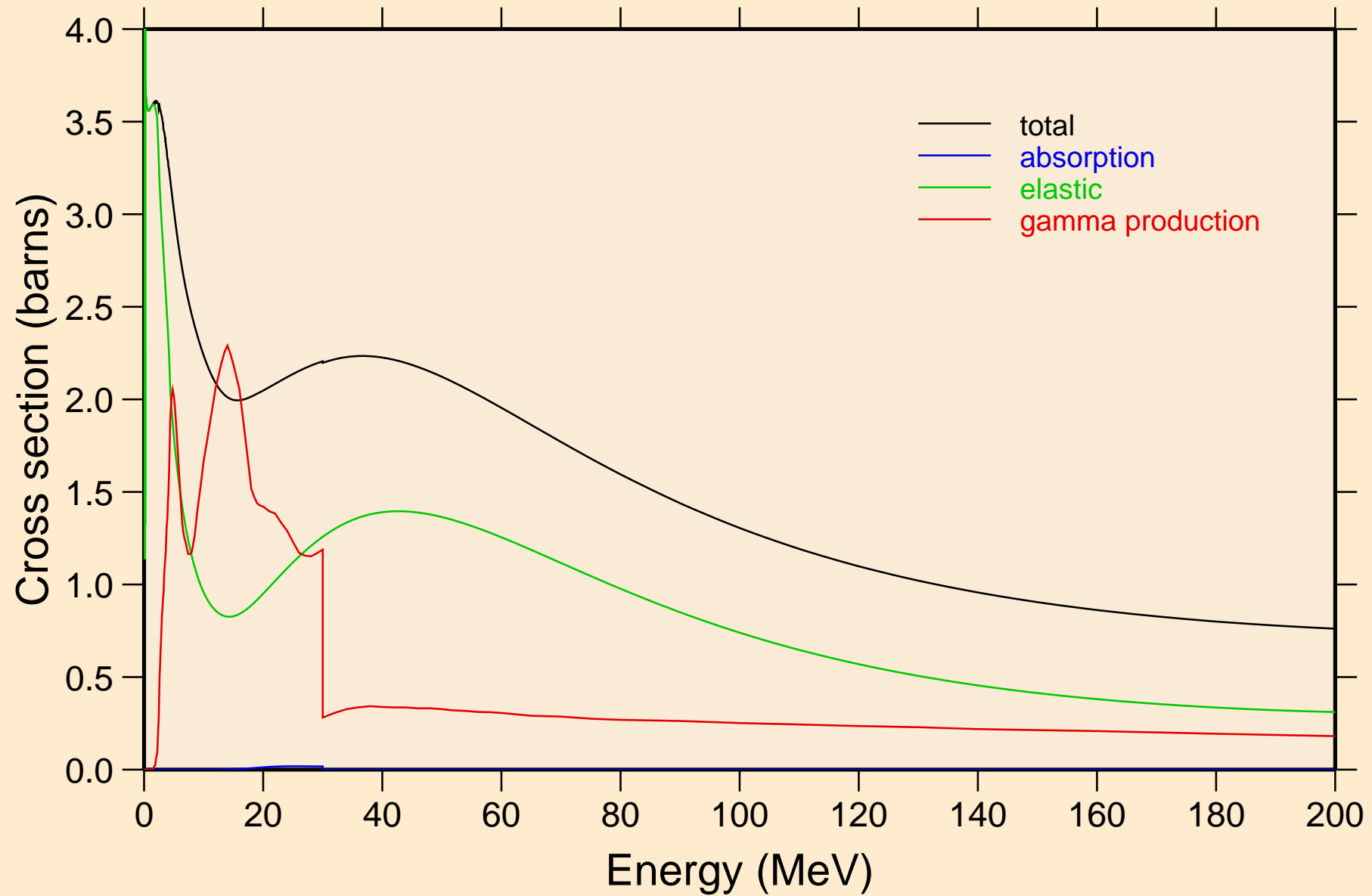


S039 NRG TENDL-2015, AKONING  
Non-threshold reactions

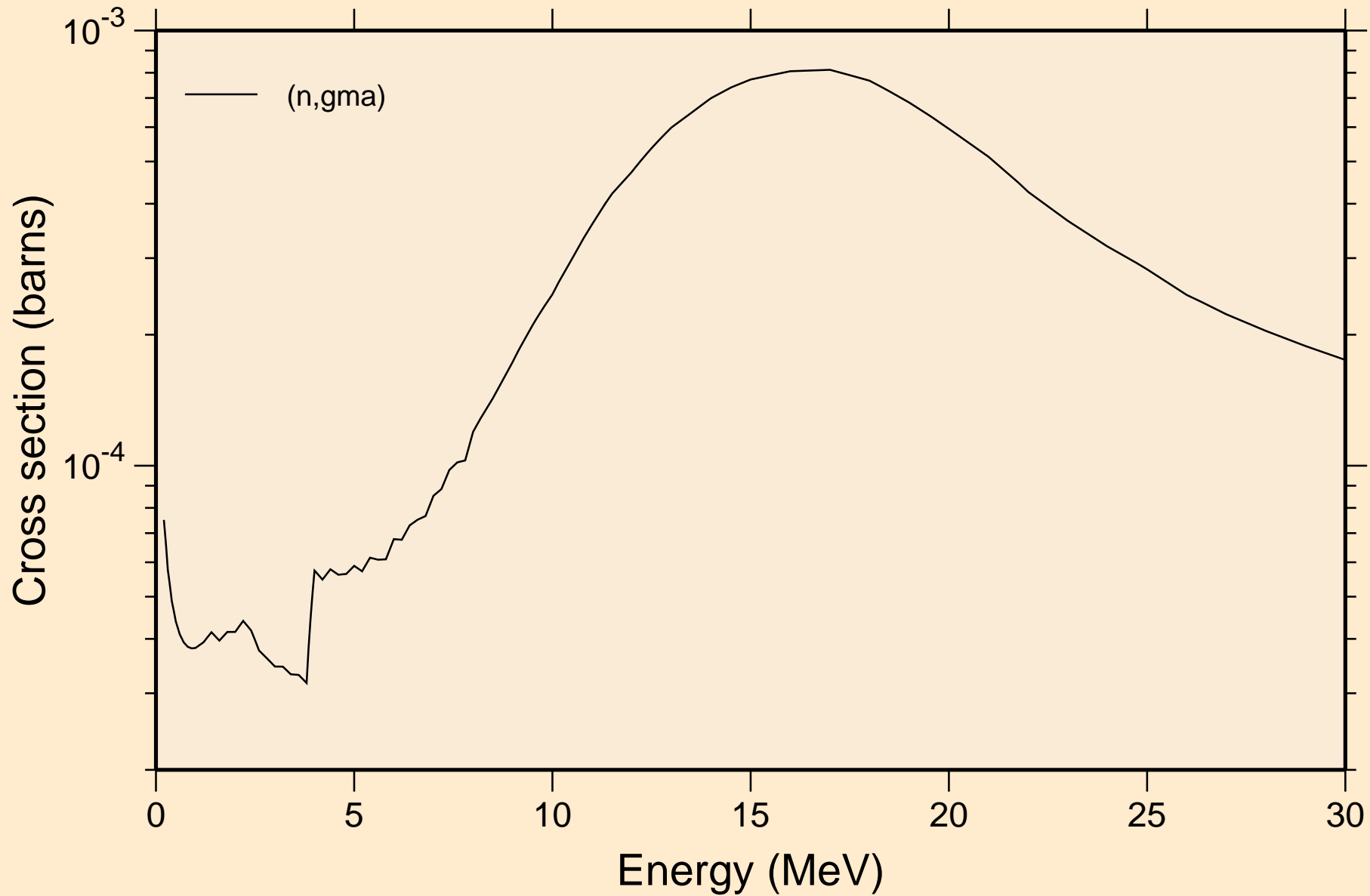


# S039 NRG TENDL-2015, AKONING

## Principal cross sections

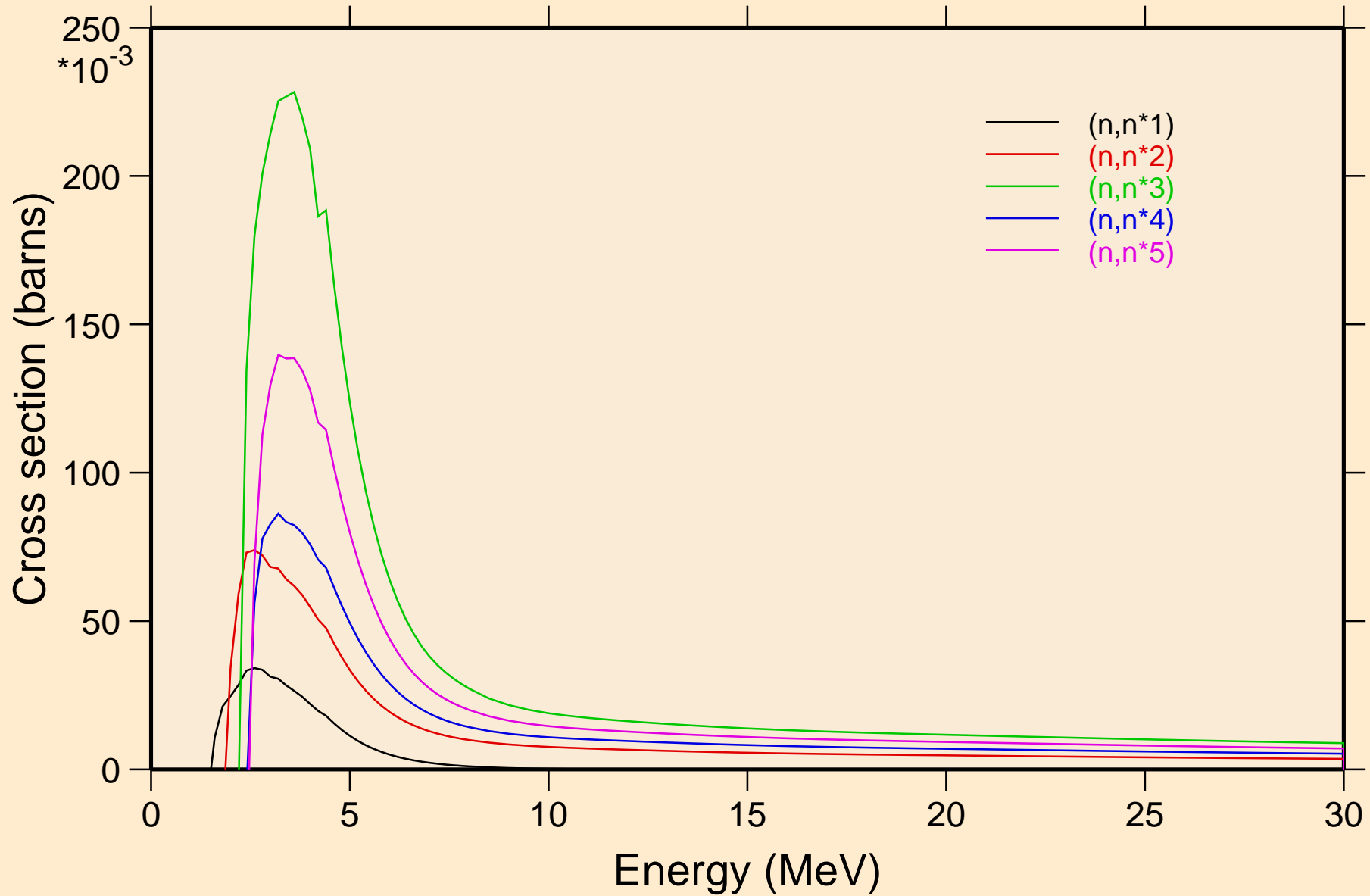


S039 NRG TENDL-2015, AKONING  
Non-threshold reactions



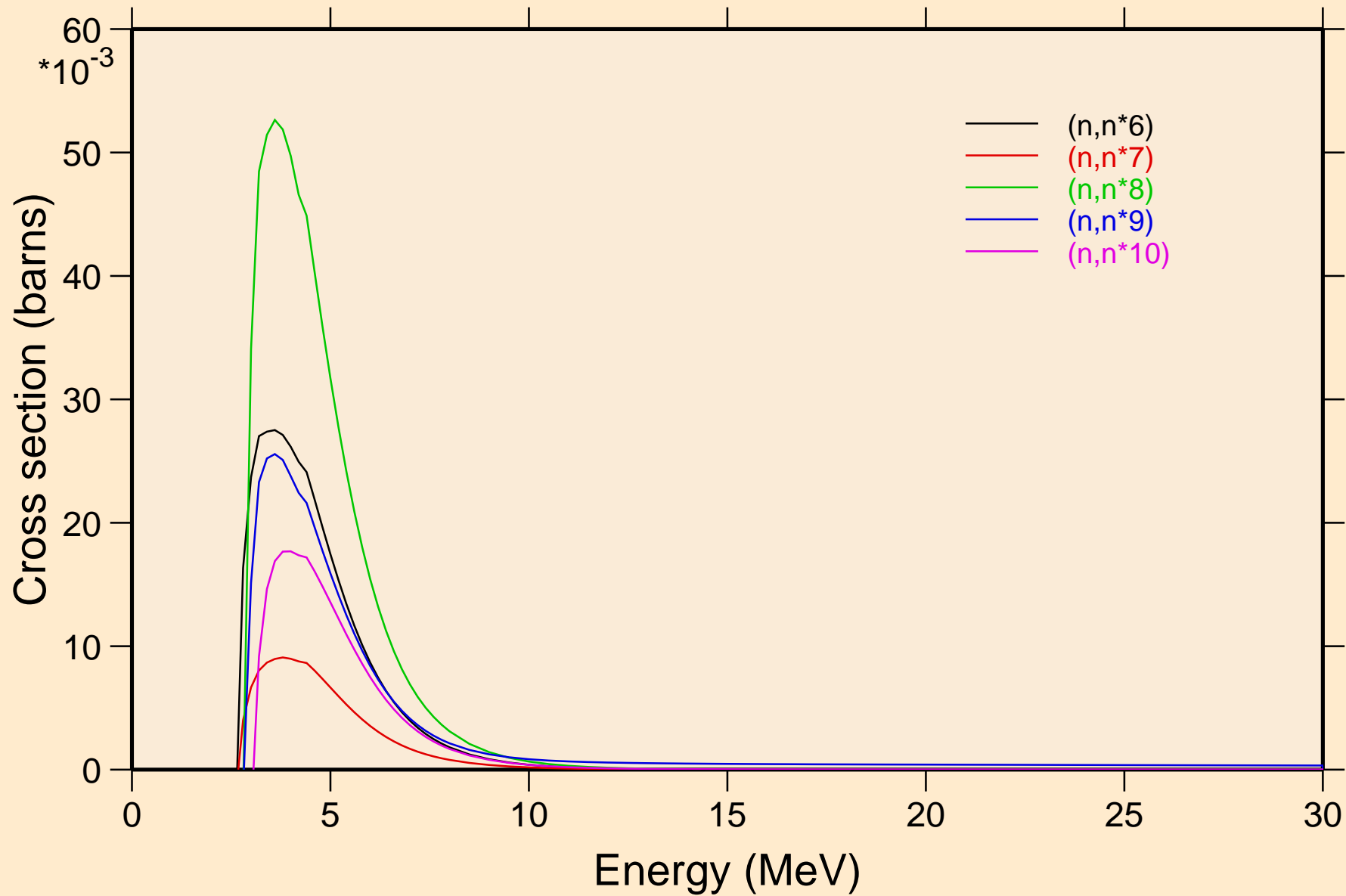
# S039 NRG TENDL-2015, AKONING

## Inelastic levels



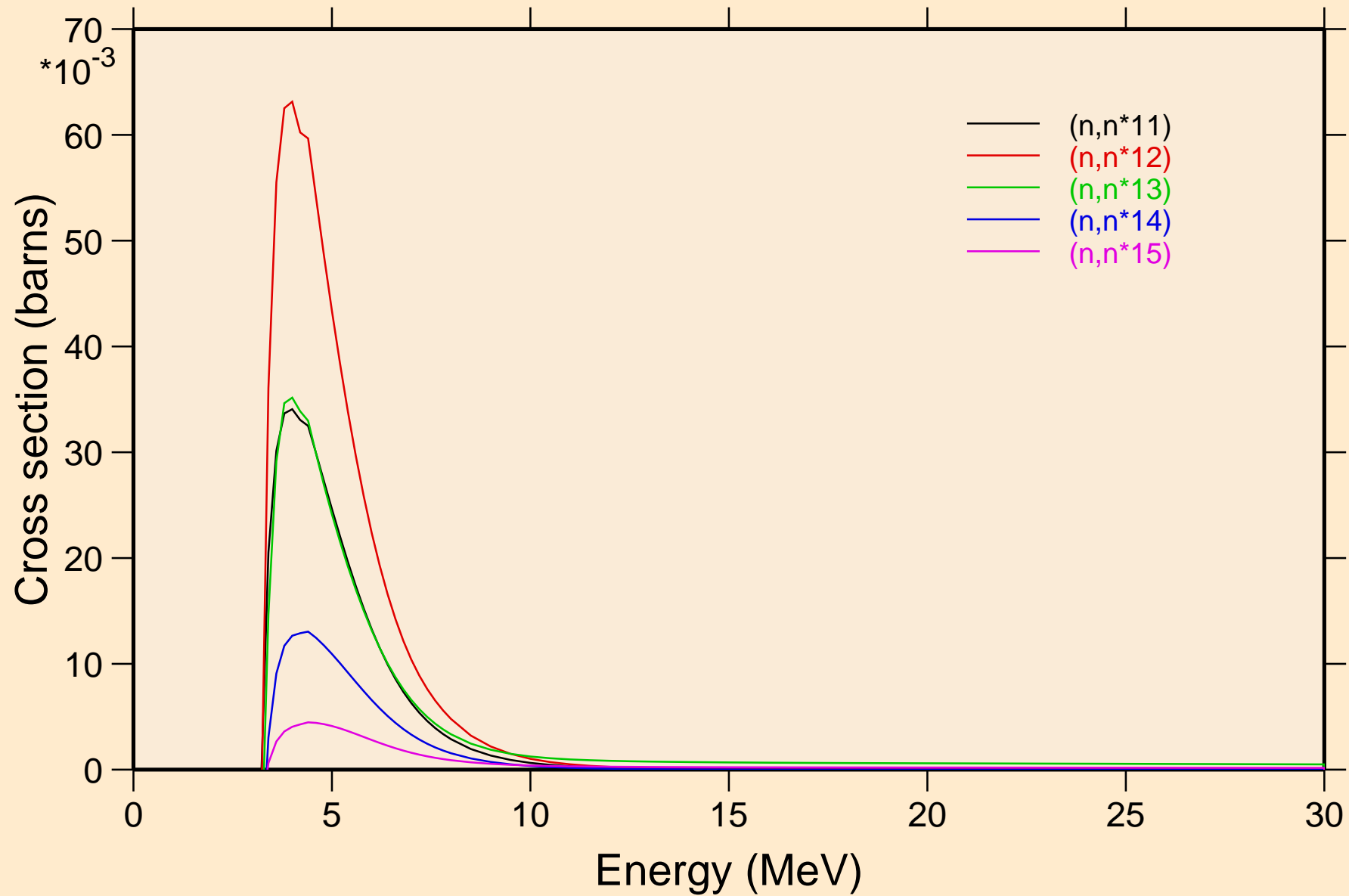
# S039 NRG TENDL-2015, AKONING

## Inelastic levels



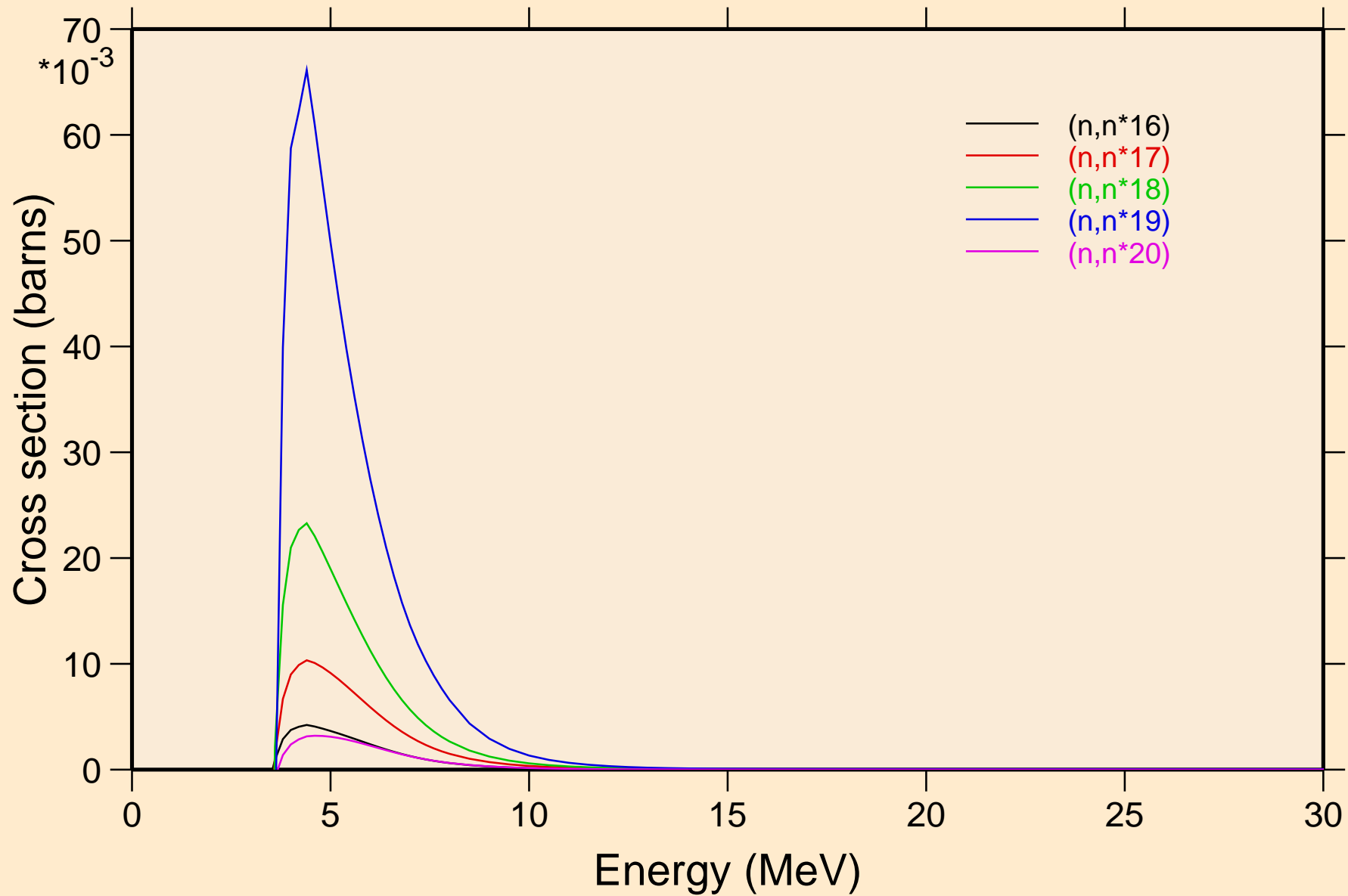
# S039 NRG TENDL-2015, AKONING

## Inelastic levels



# S039 NRG TENDL-2015, AKONING

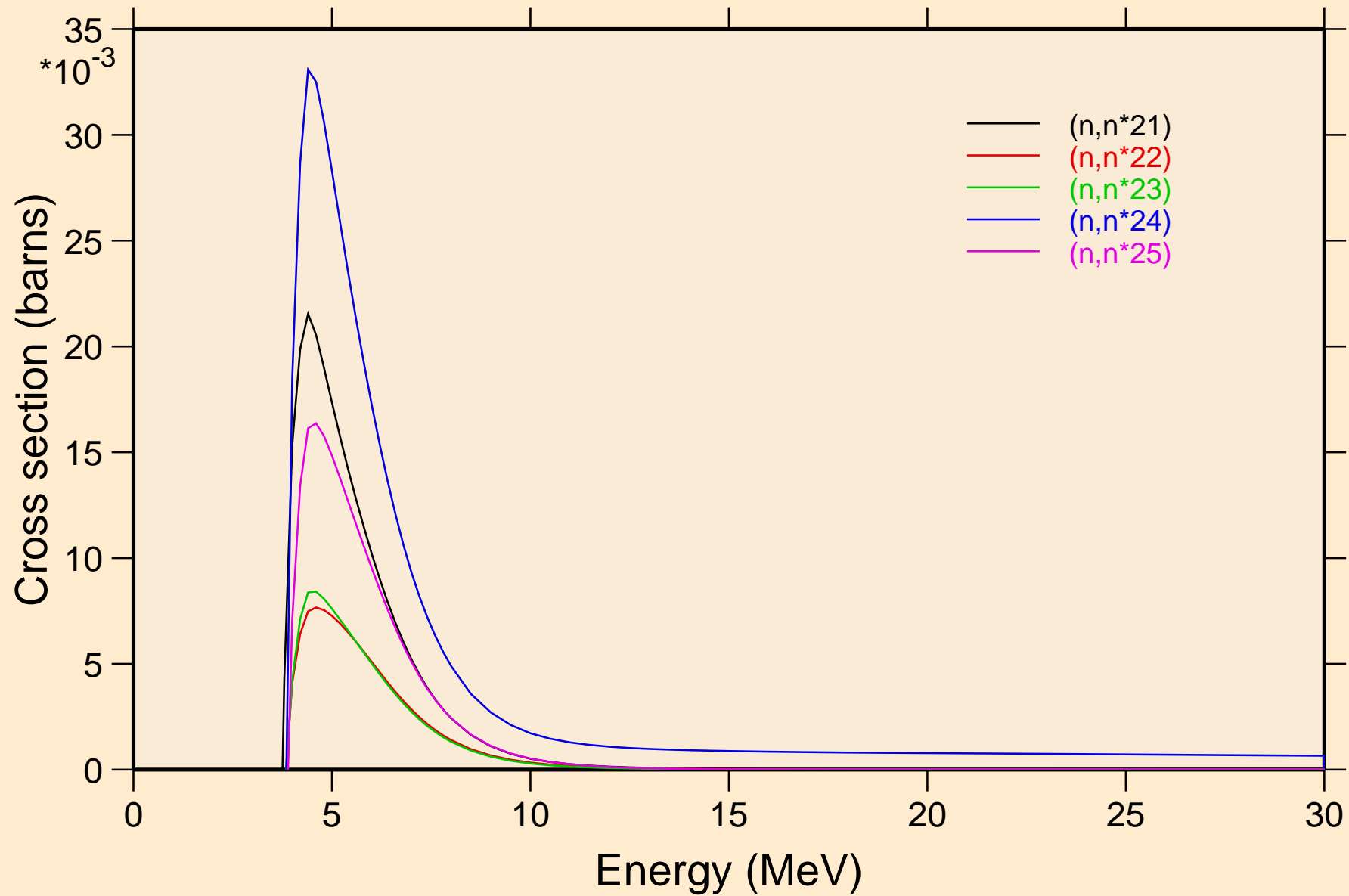
## Inelastic levels





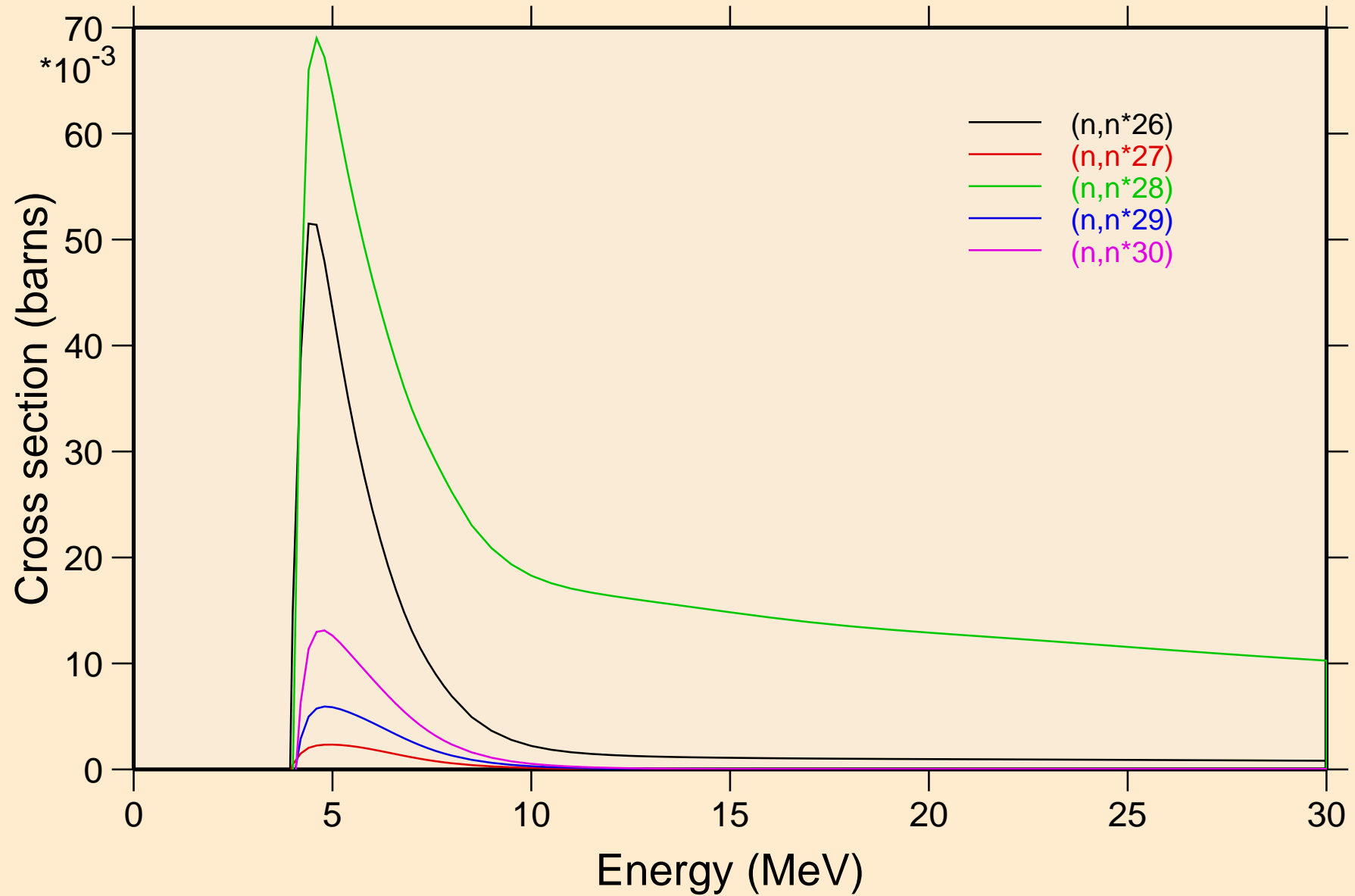
# S039 NRG TENDL-2015, AKONING

## Inelastic levels



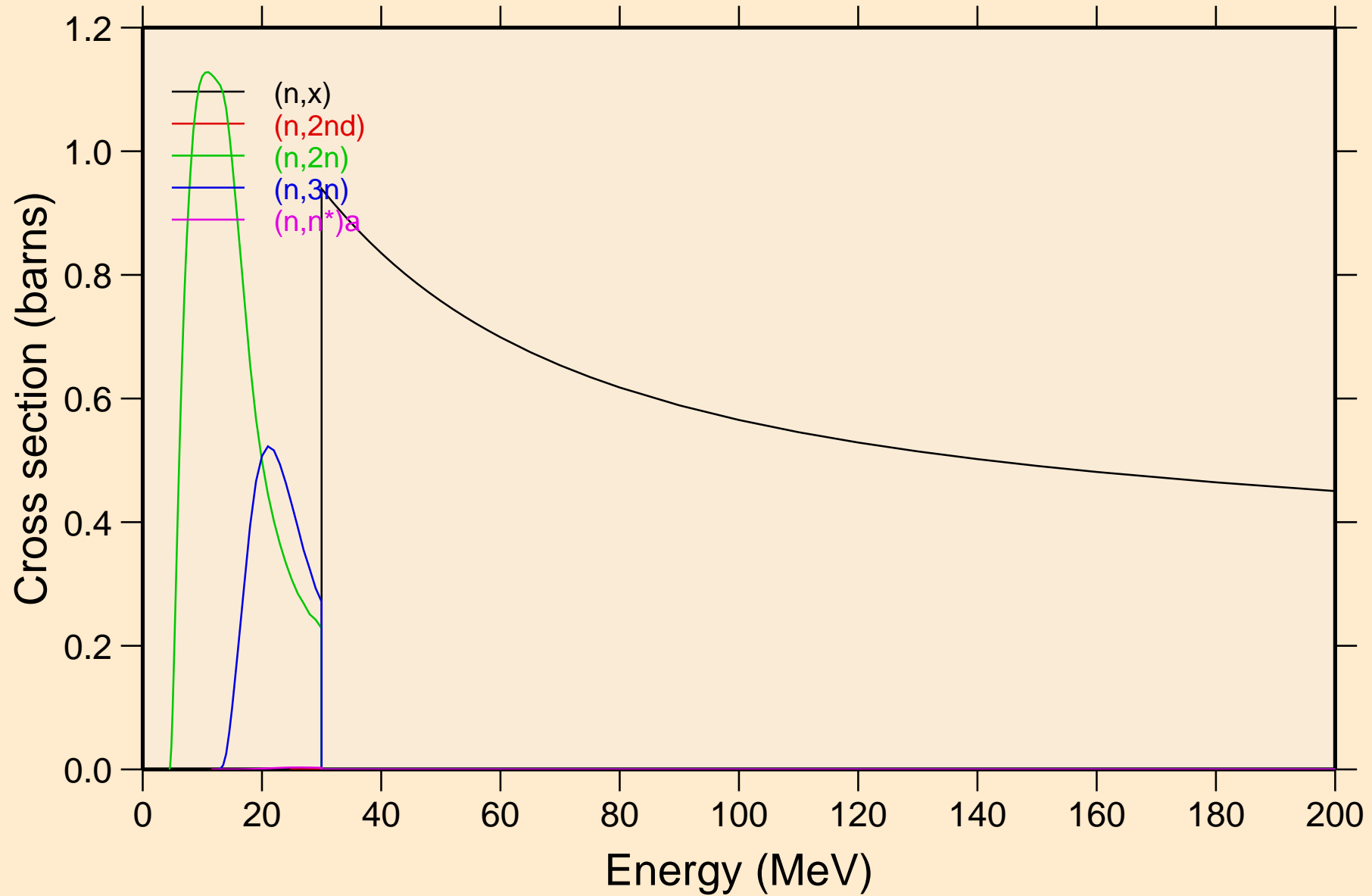
# S039 NRG TENDL-2015, AKONING

## Inelastic levels



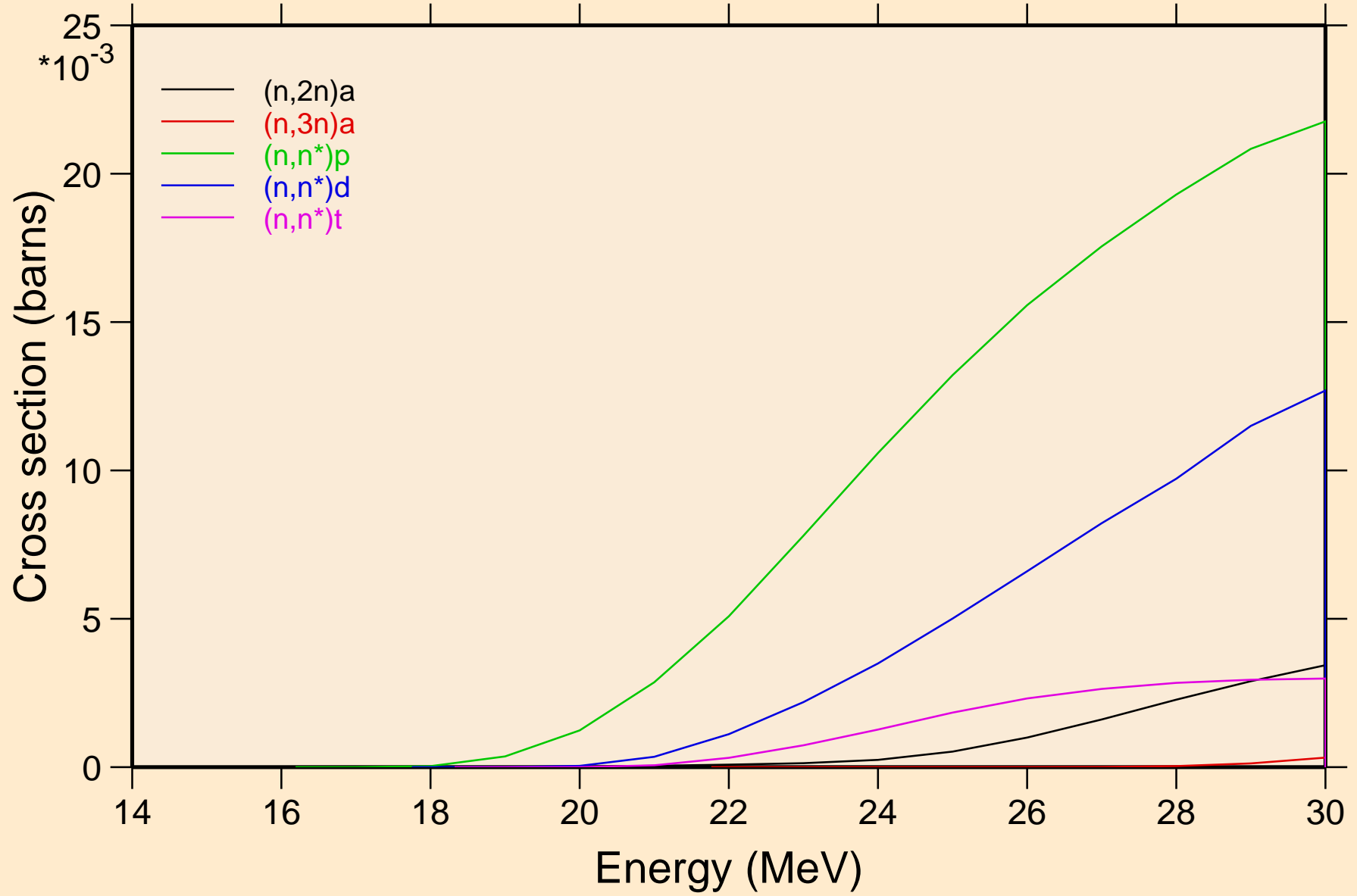
# S039 NRG TENDL-2015, AKONING

## Threshold reactions



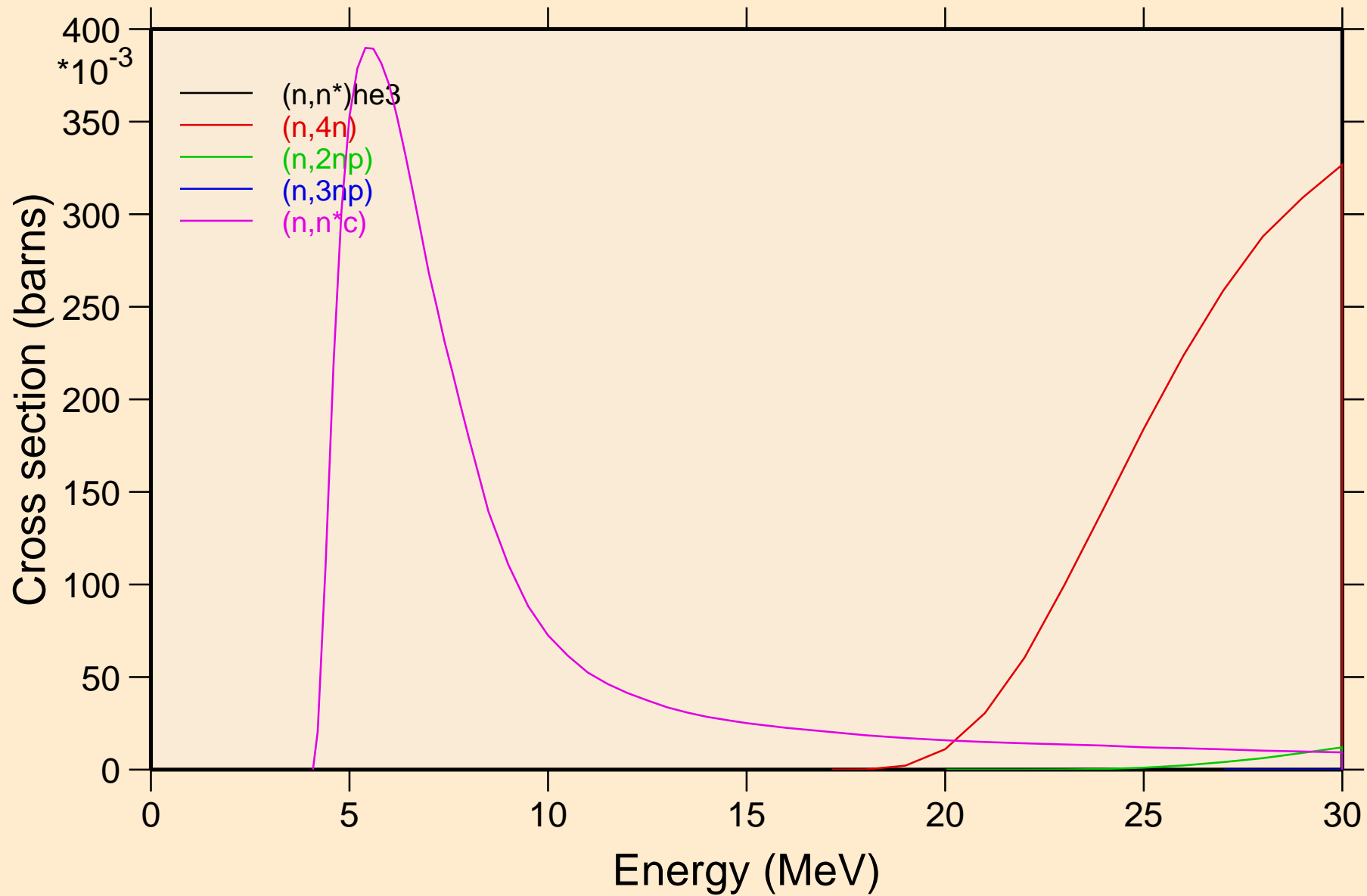
# S039 NRG TENDL-2015, AKONING

## Threshold reactions



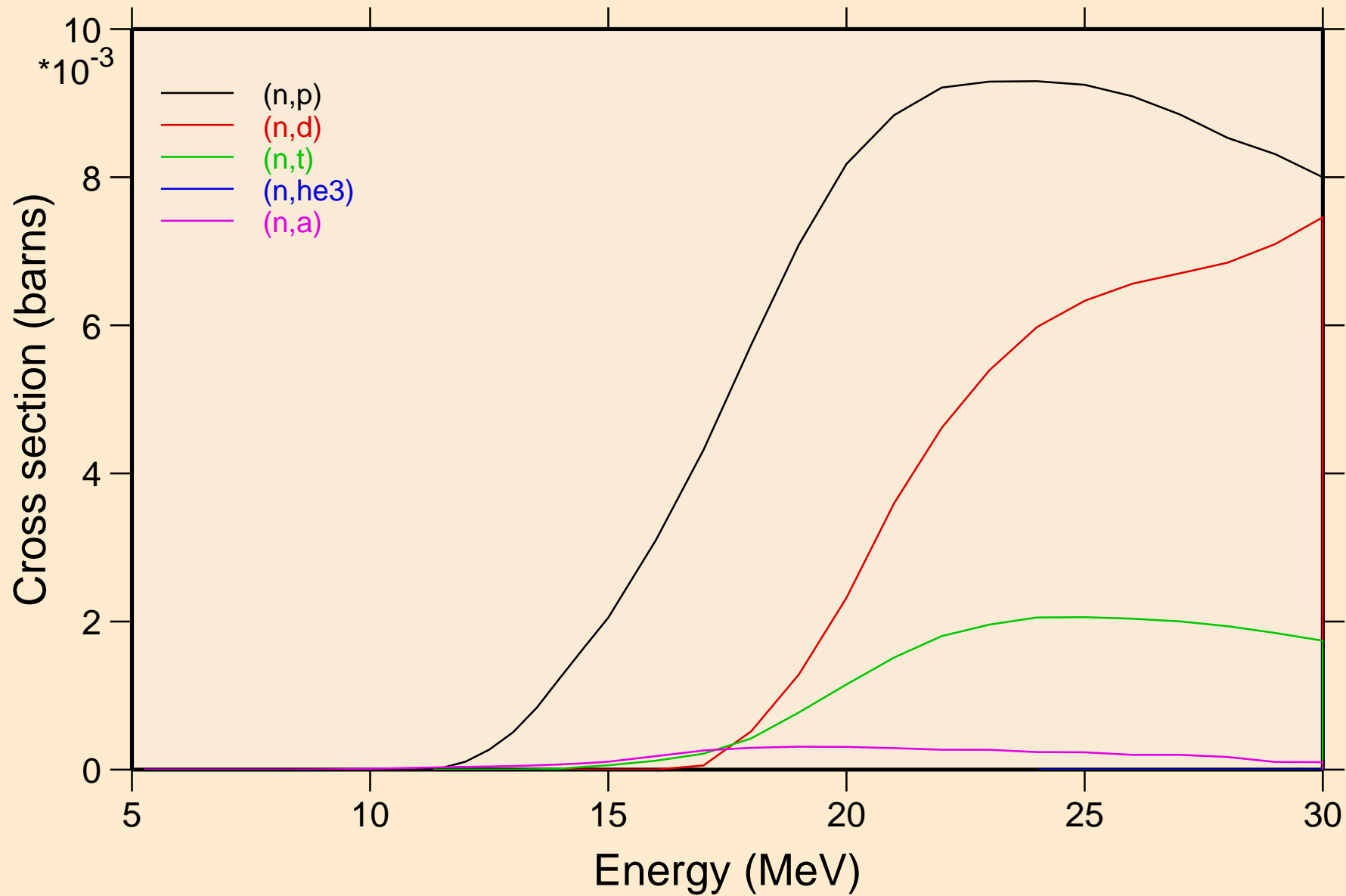
# S039 NRG TENDL-2015, AKONING

## Threshold reactions

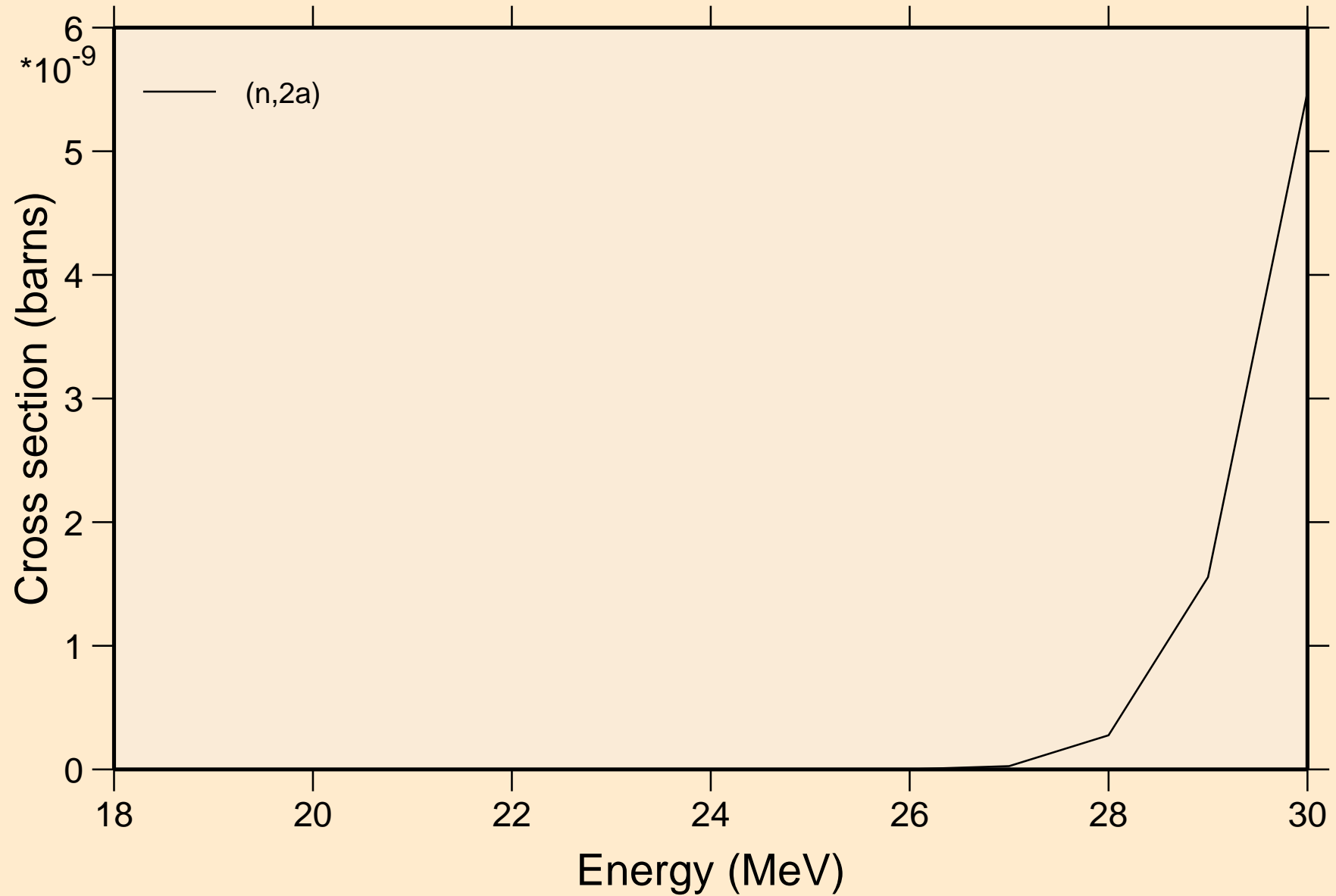


# S039 NRG TENDL-2015, AKONING

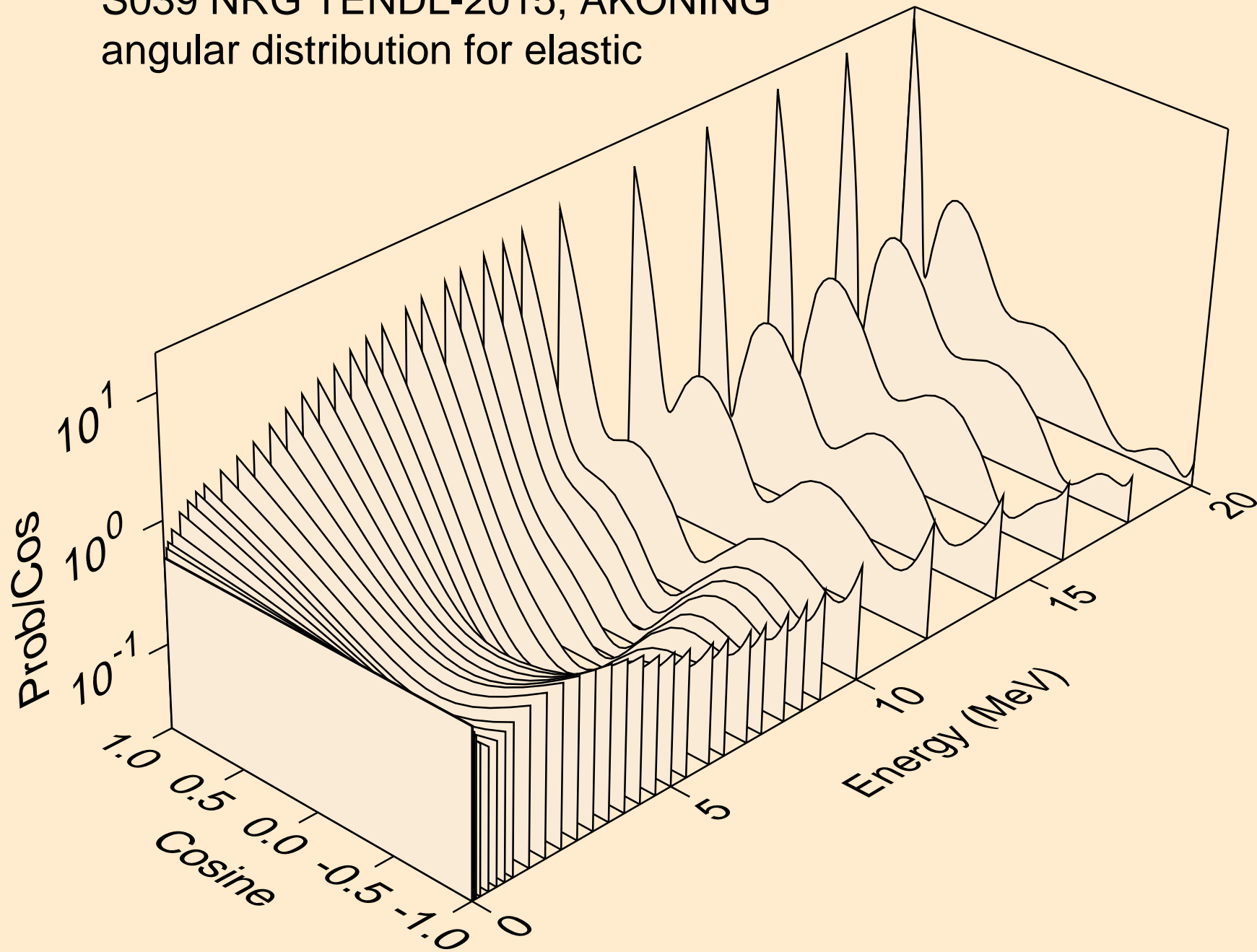
## Threshold reactions



S039 NRG TENDL-2015, AKONING  
Threshold reactions

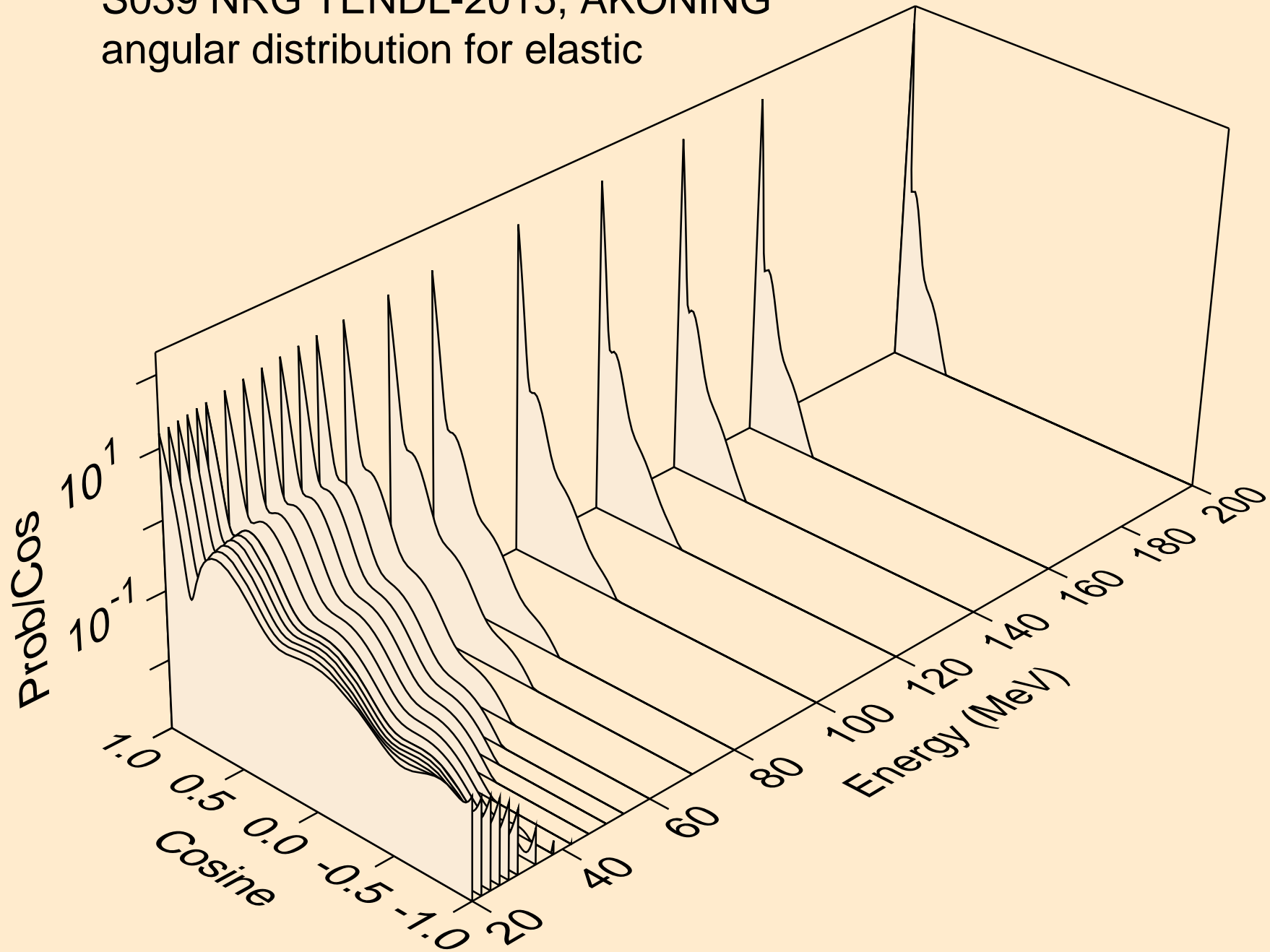


S039 NRG TENDL-2015, AKONING  
angular distribution for elastic

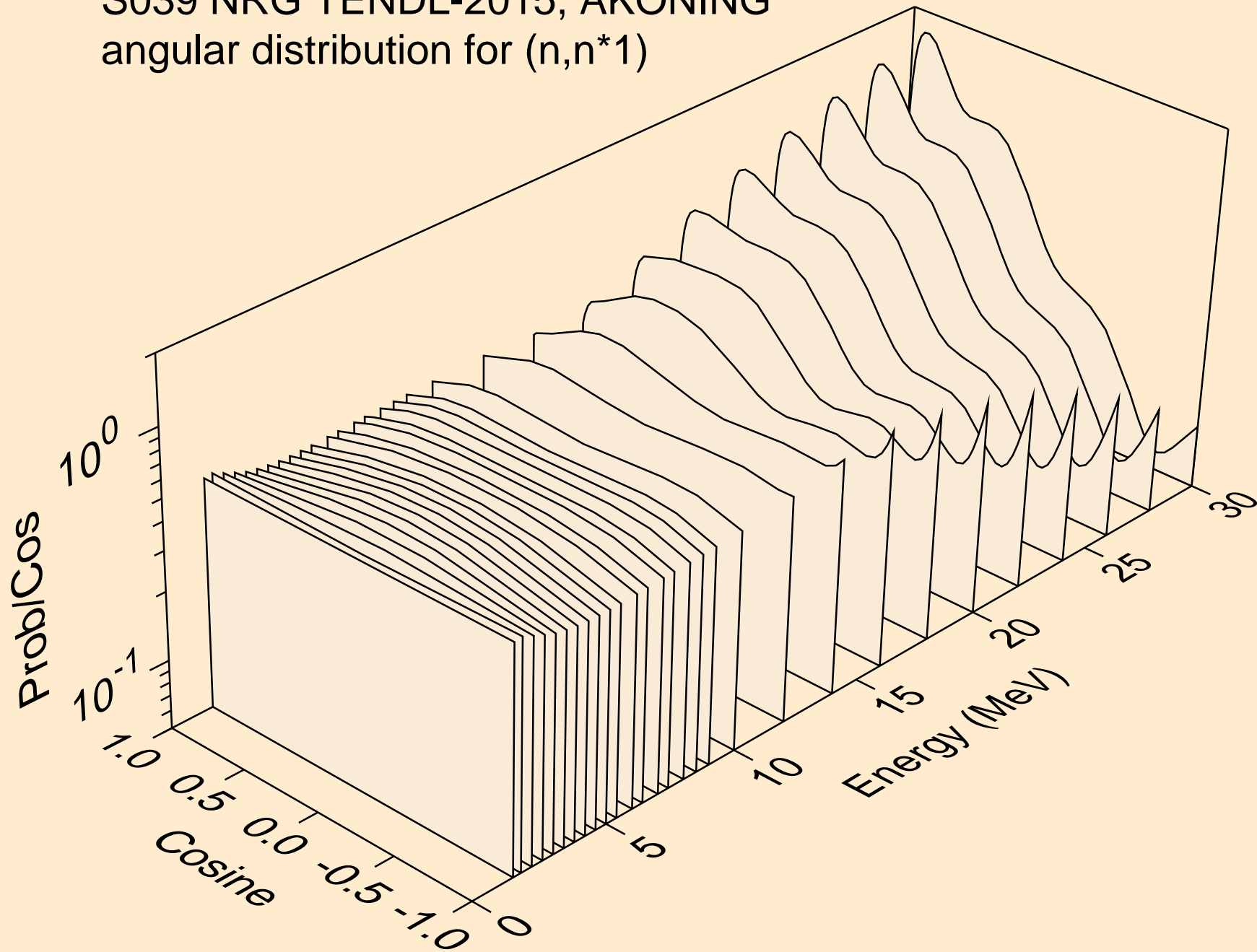




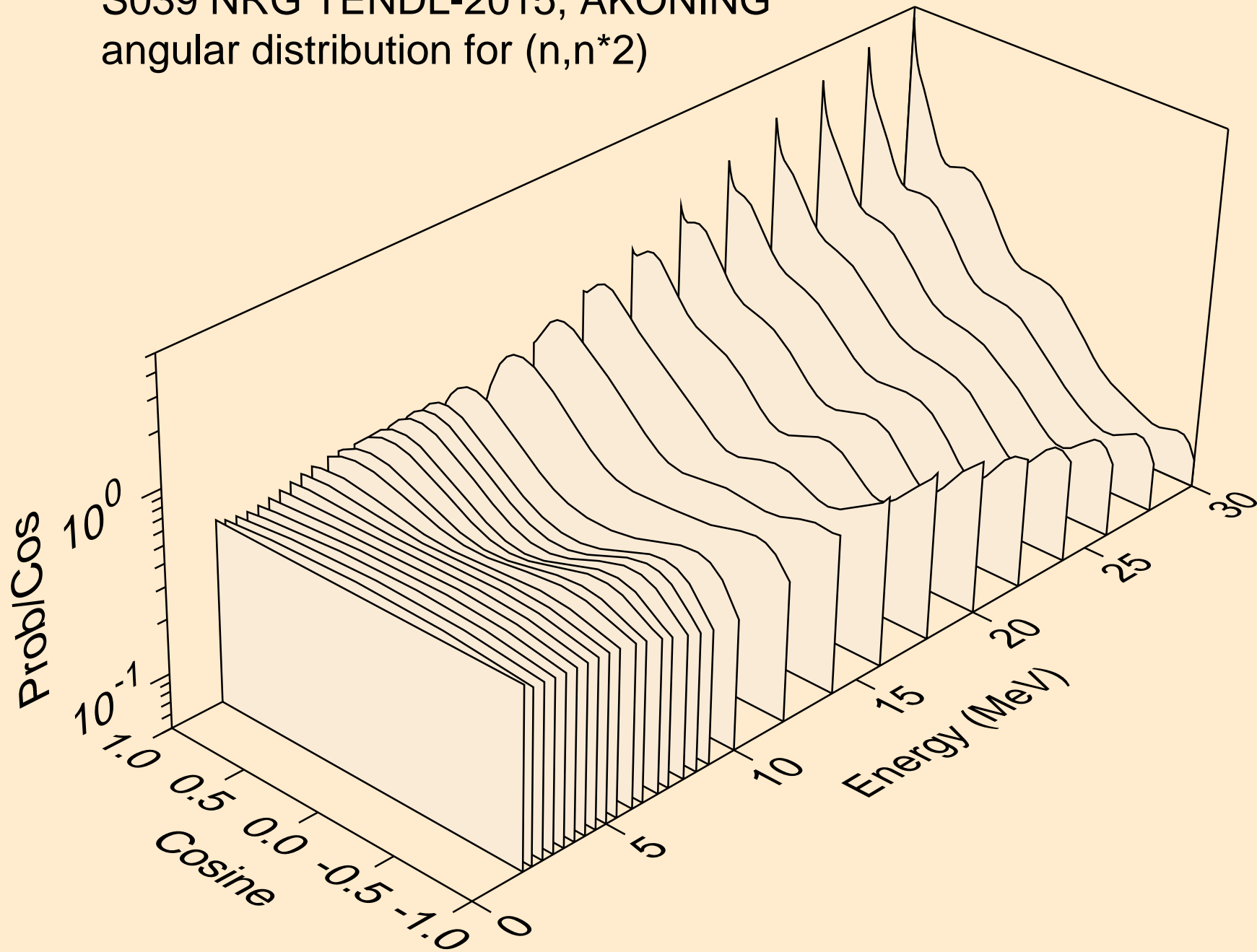
S039 NRG TENDL-2015, AKONING  
angular distribution for elastic



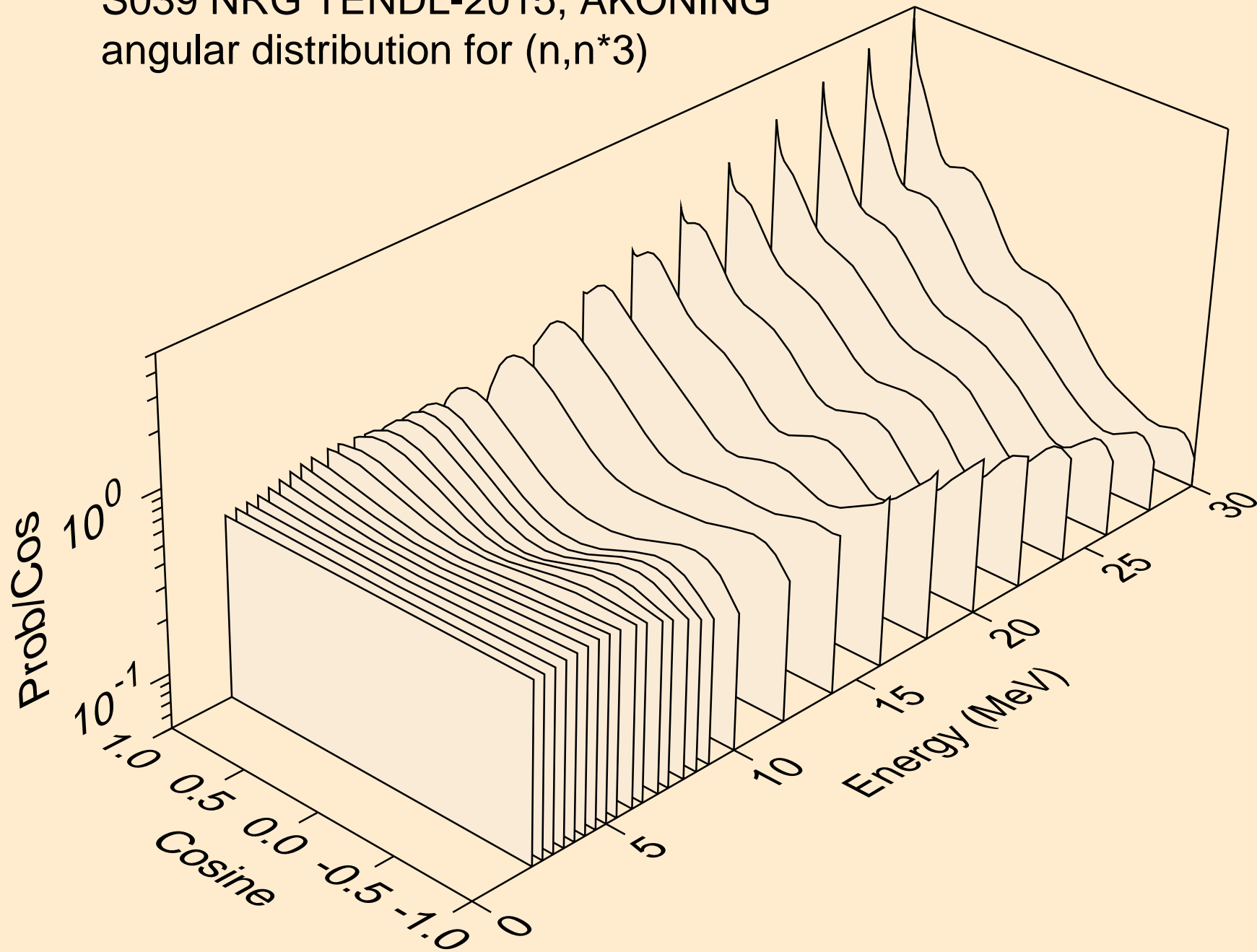
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



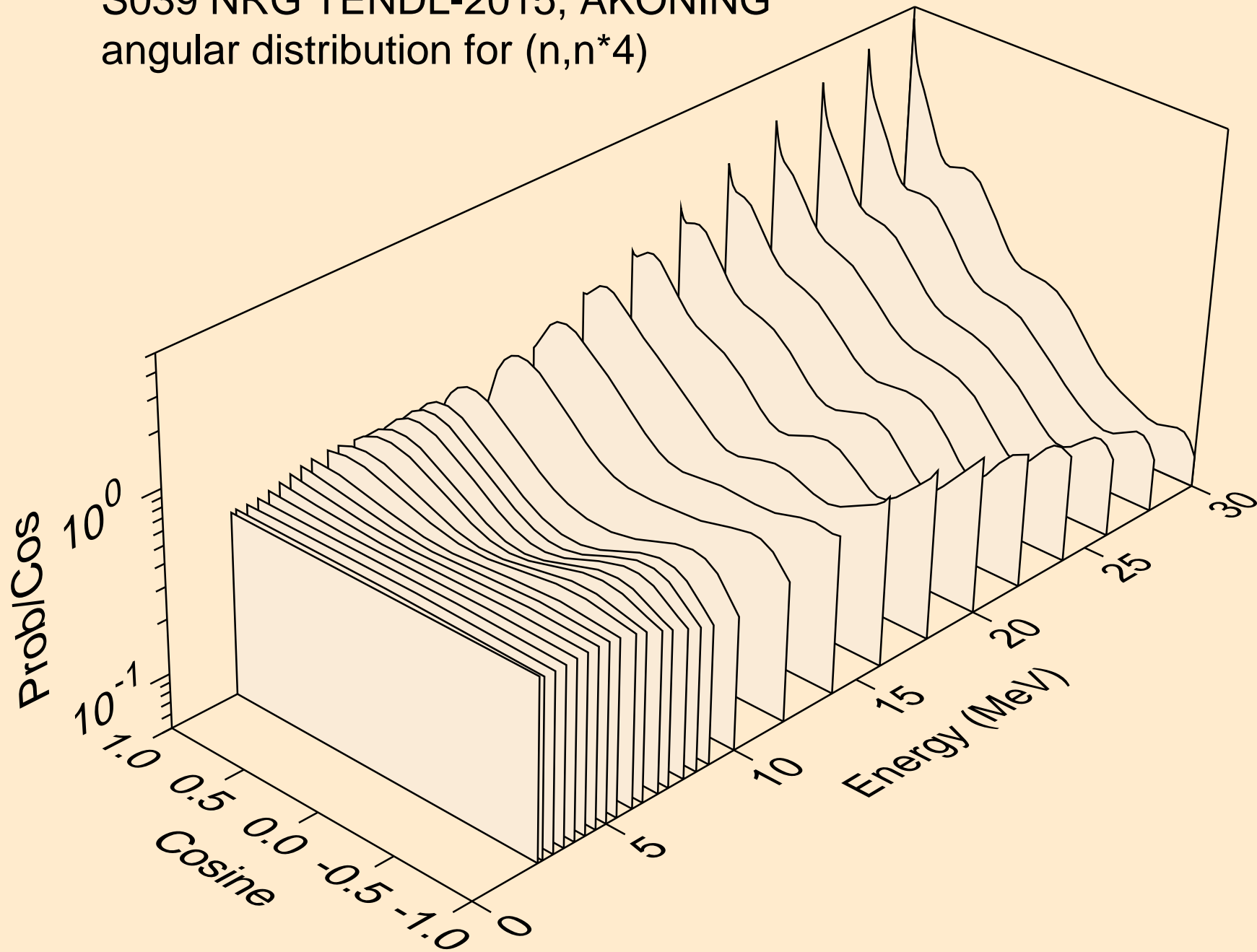
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



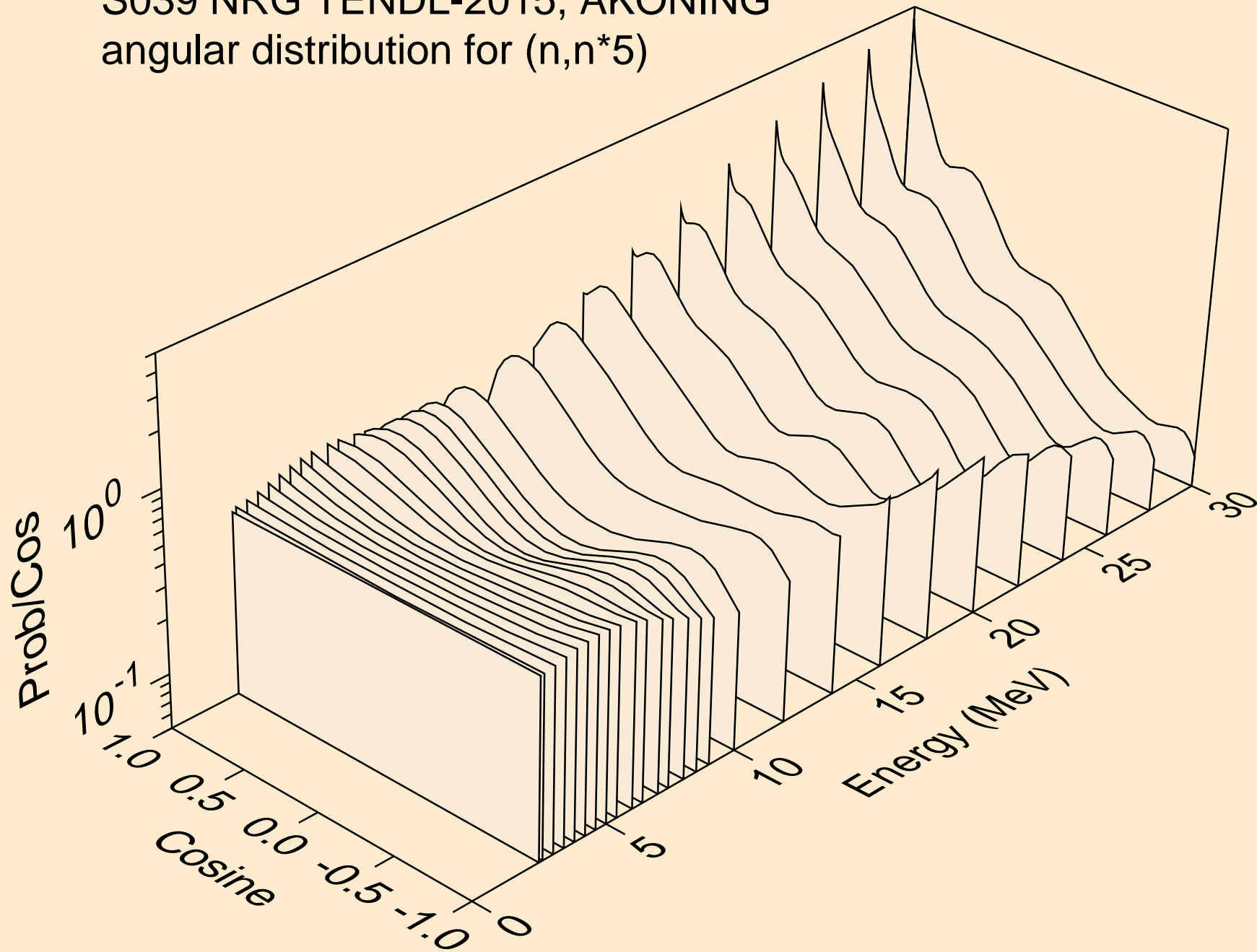
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



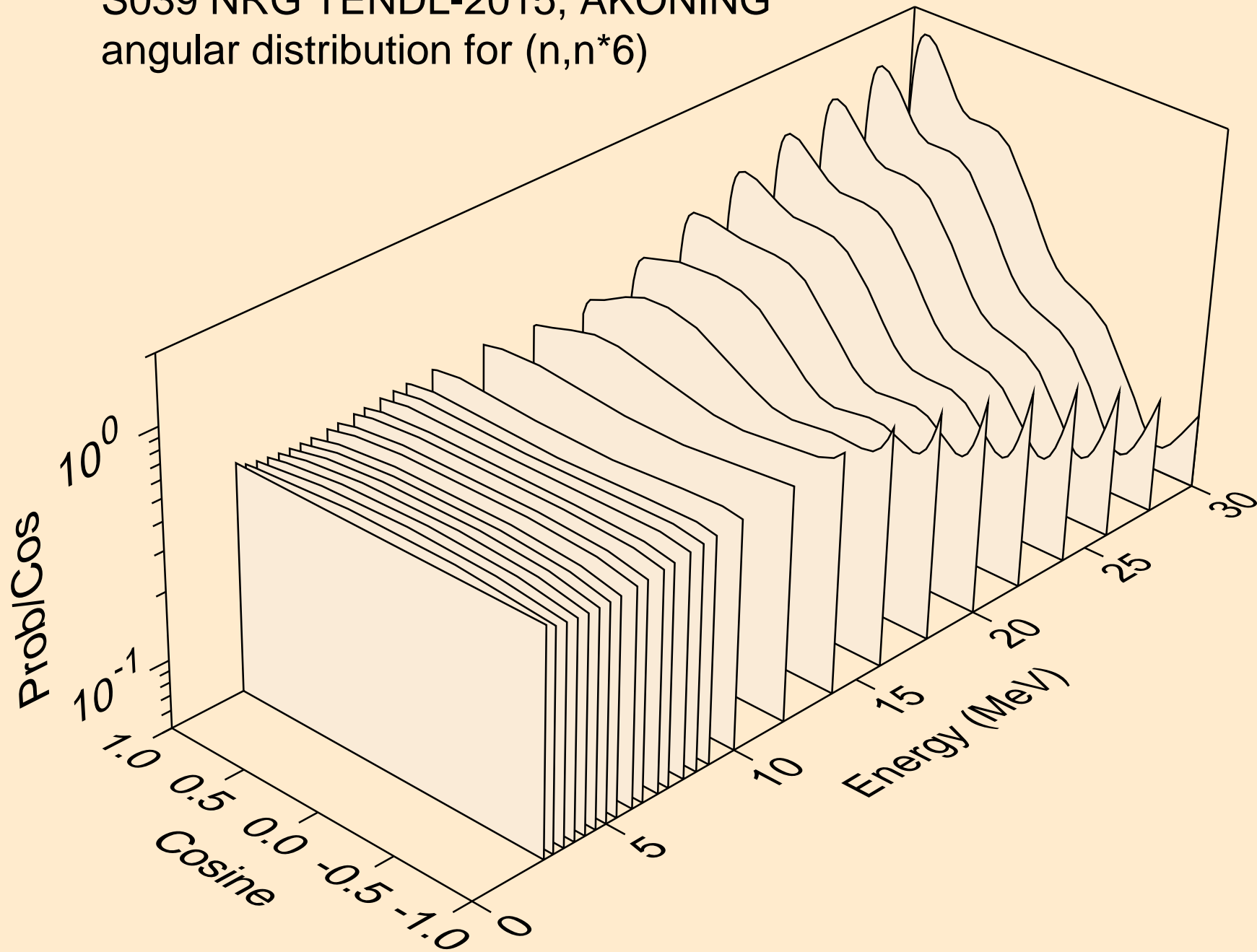
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



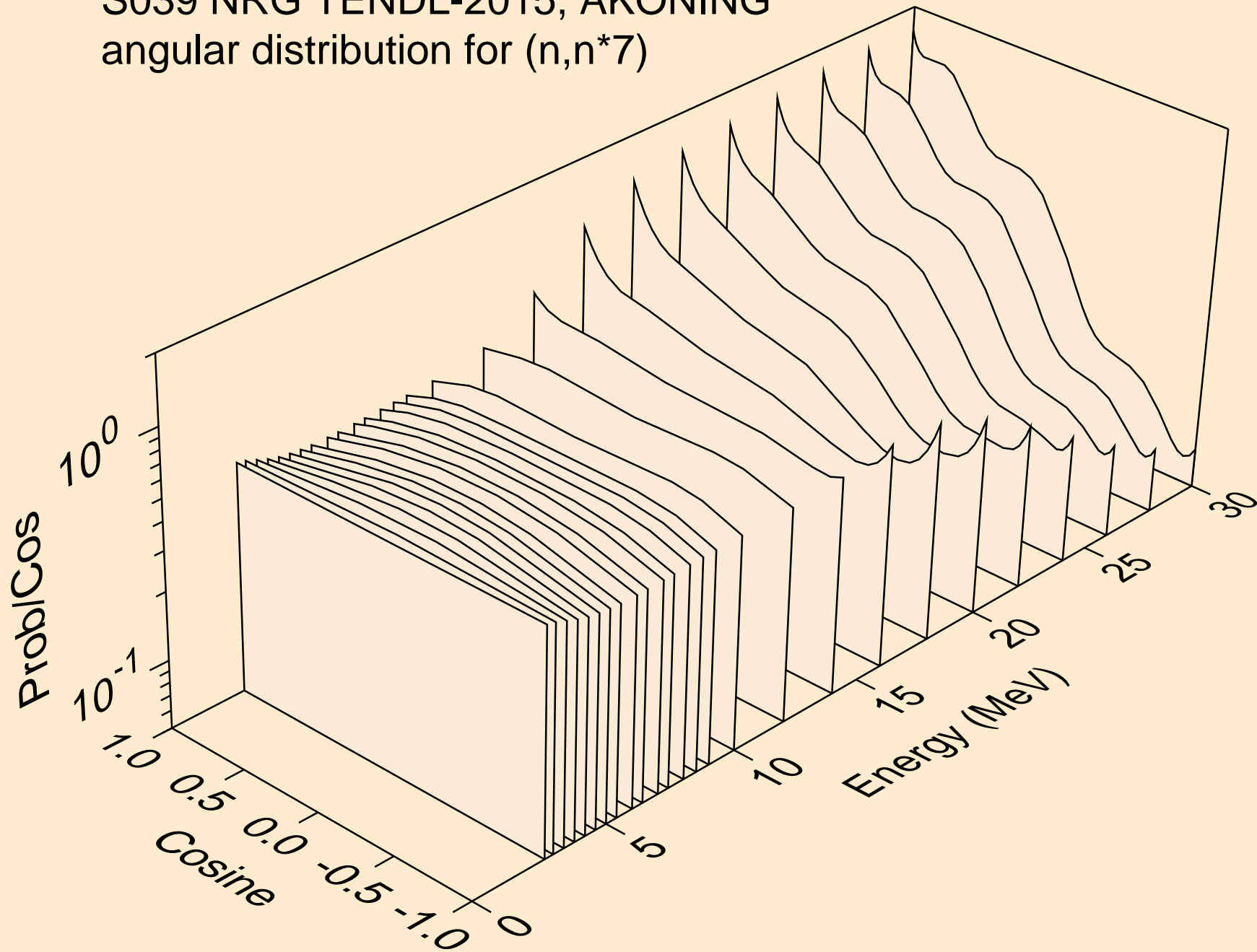
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

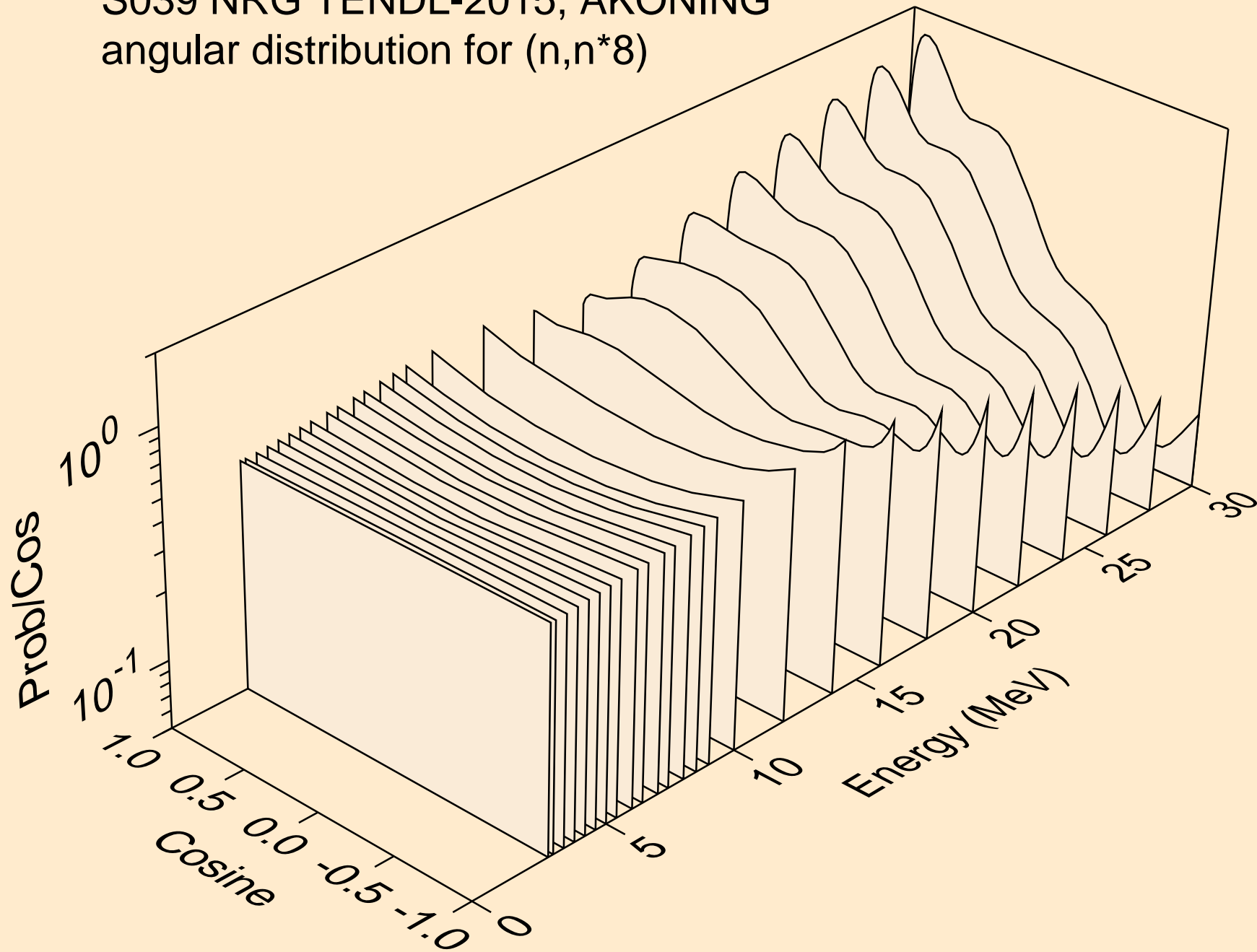


S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

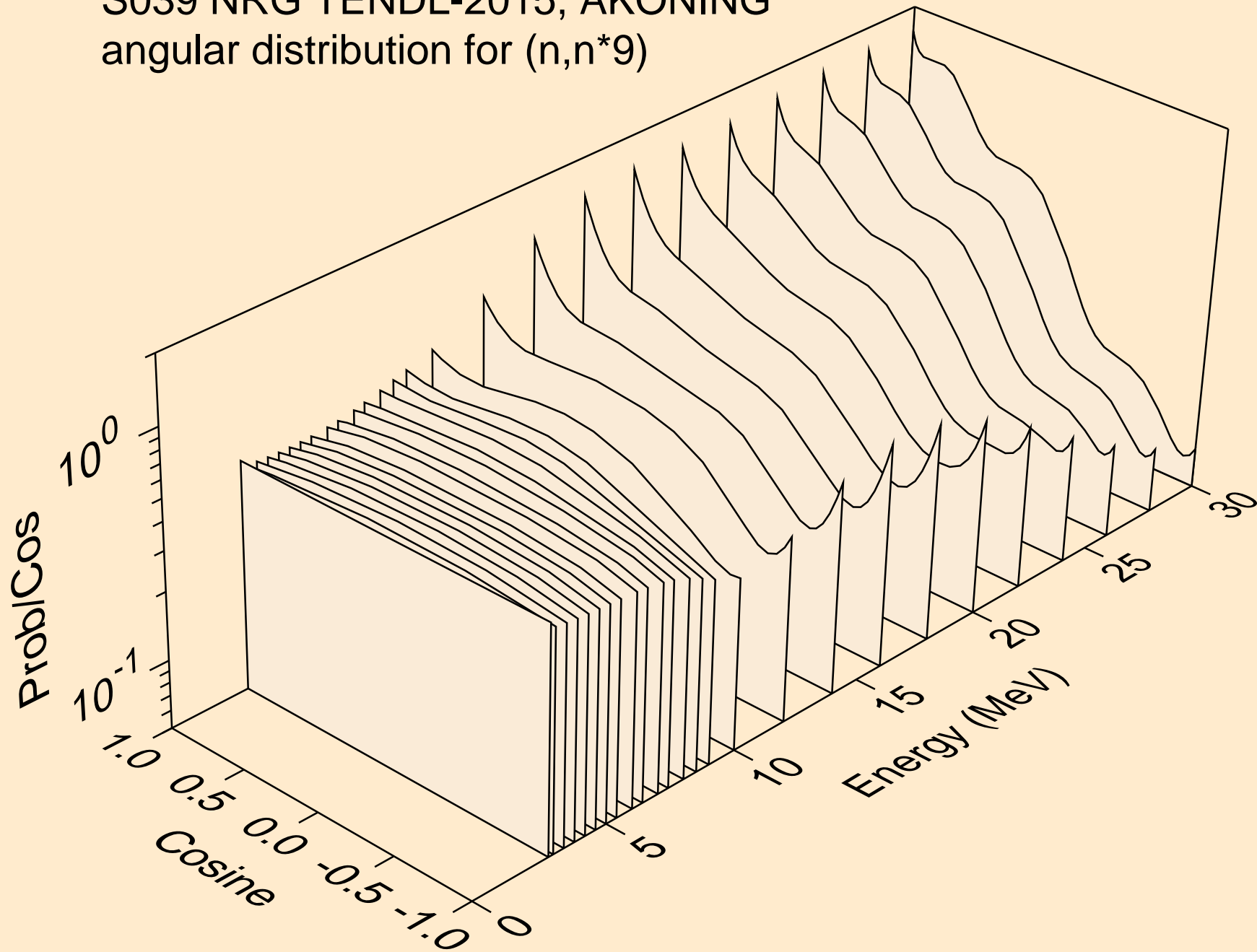




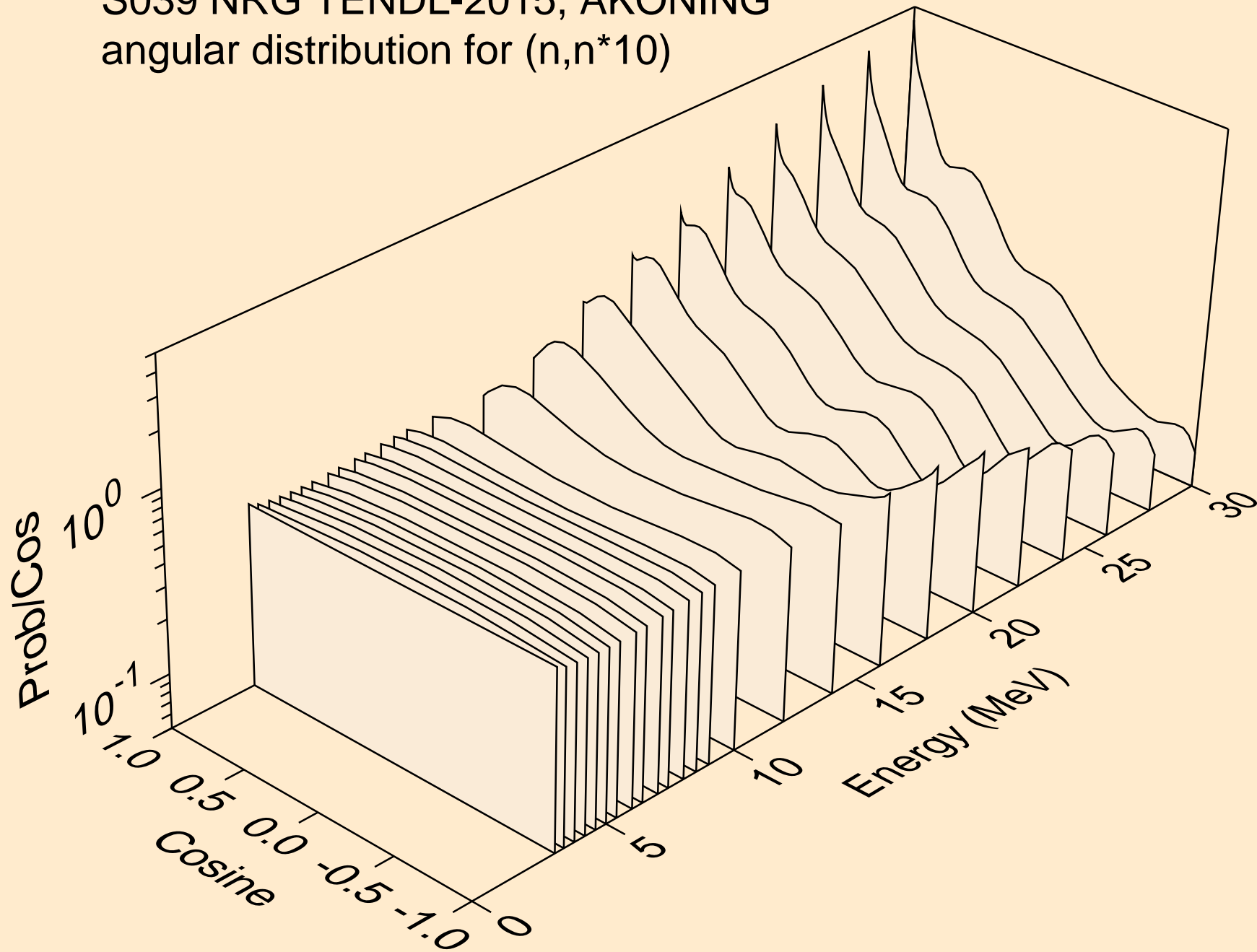
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angular distribution for (n,n\*8)



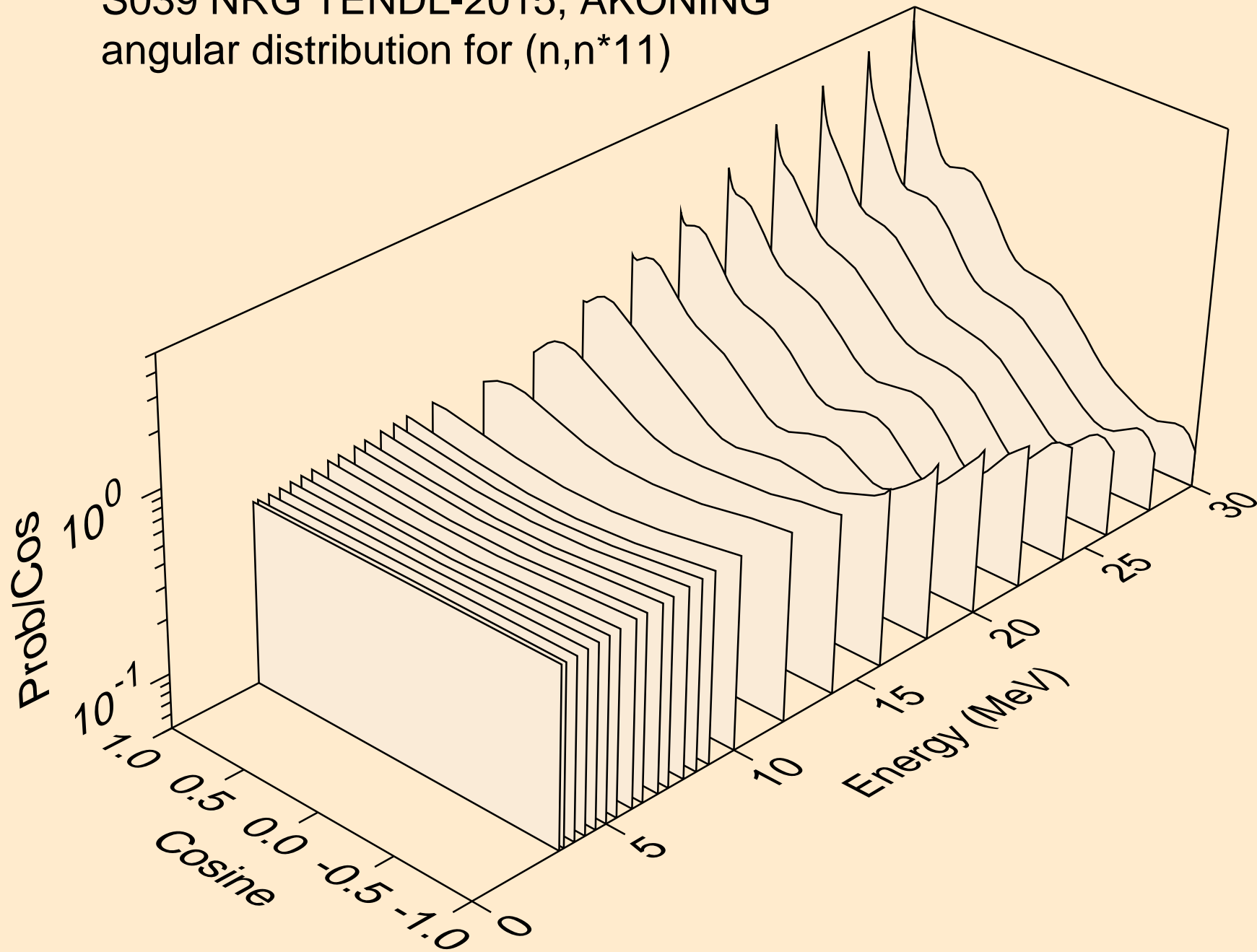
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angular distribution for (n,n\*9)



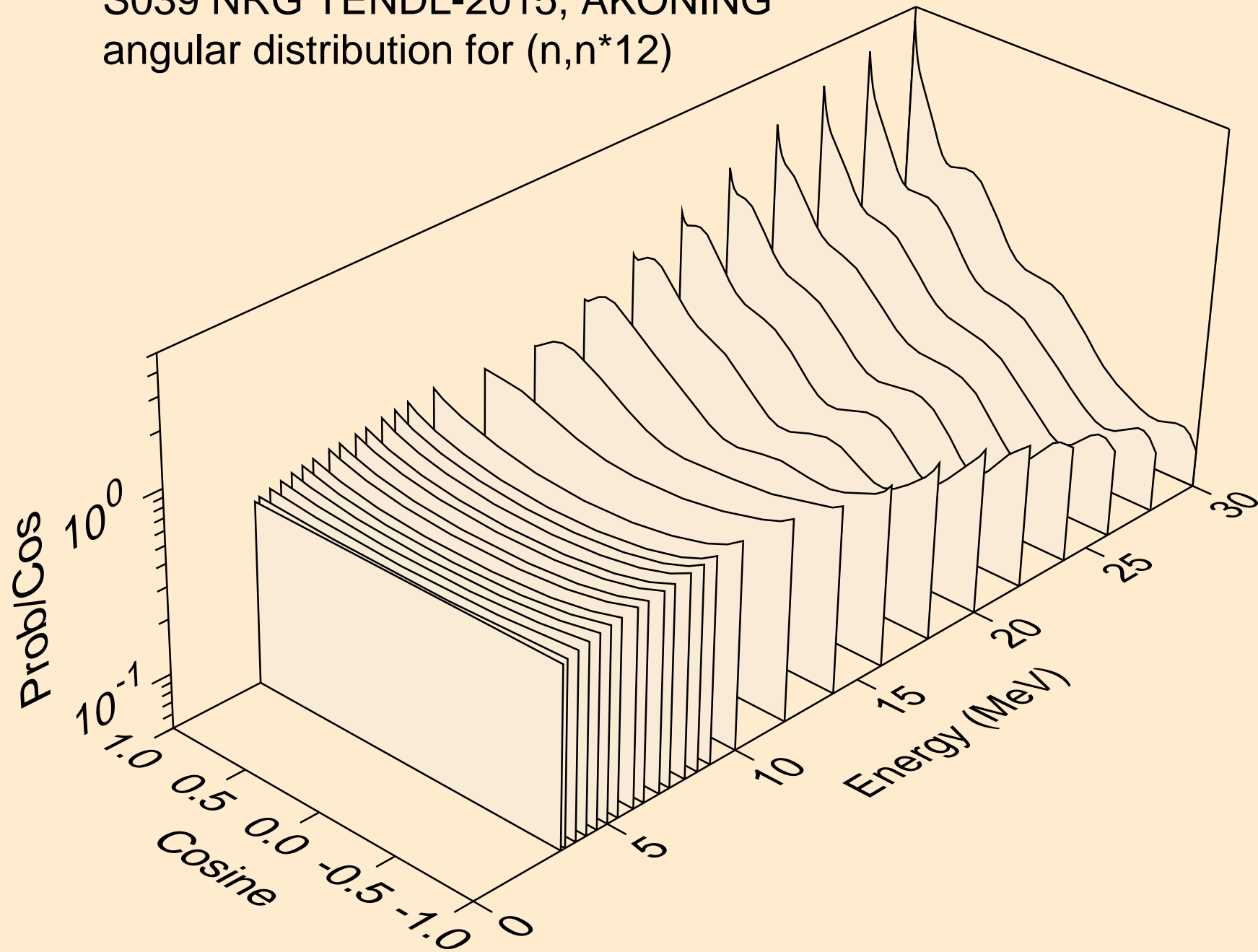
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angular distribution for (n,n\*10)



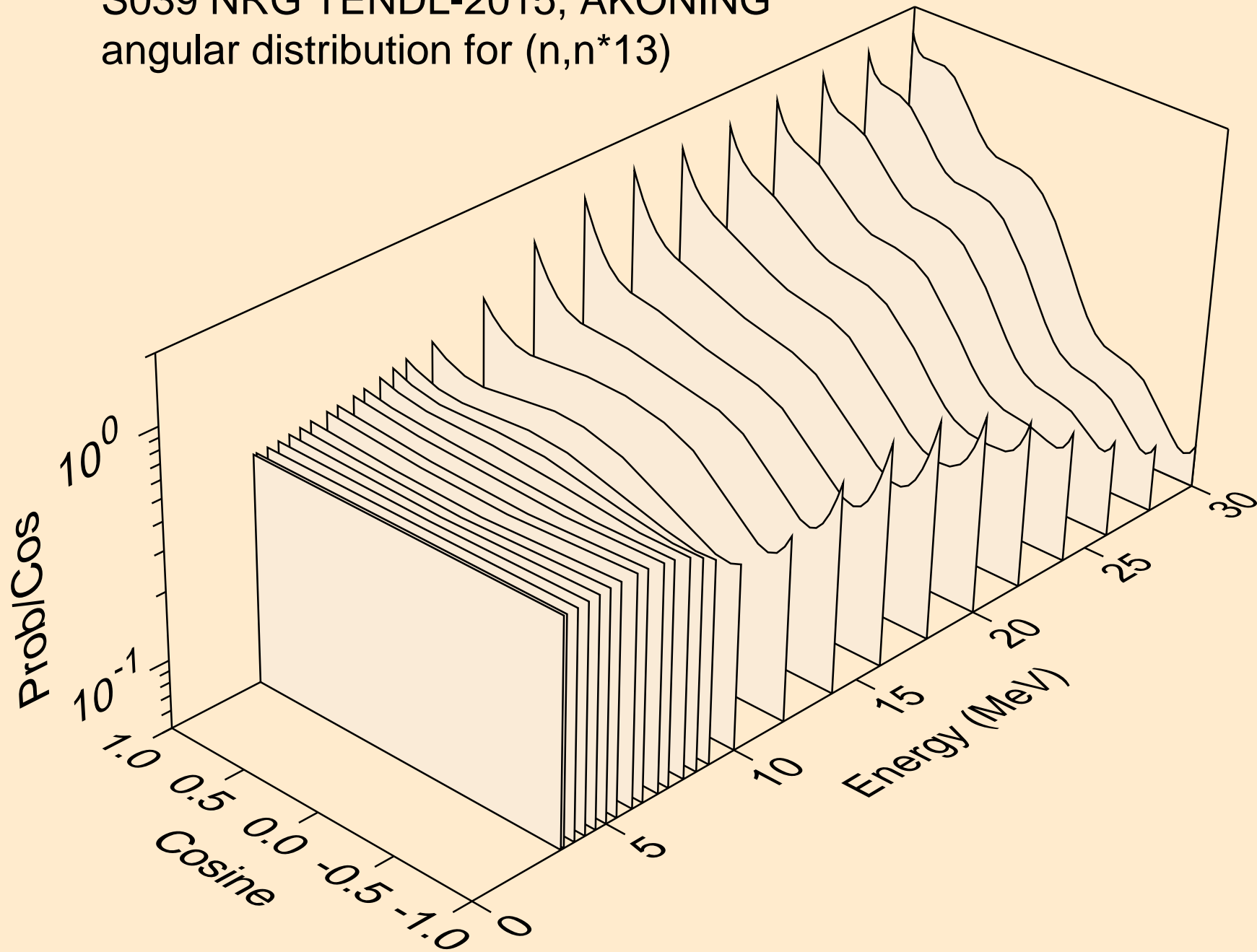
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angular distribution for (n,n\*11)



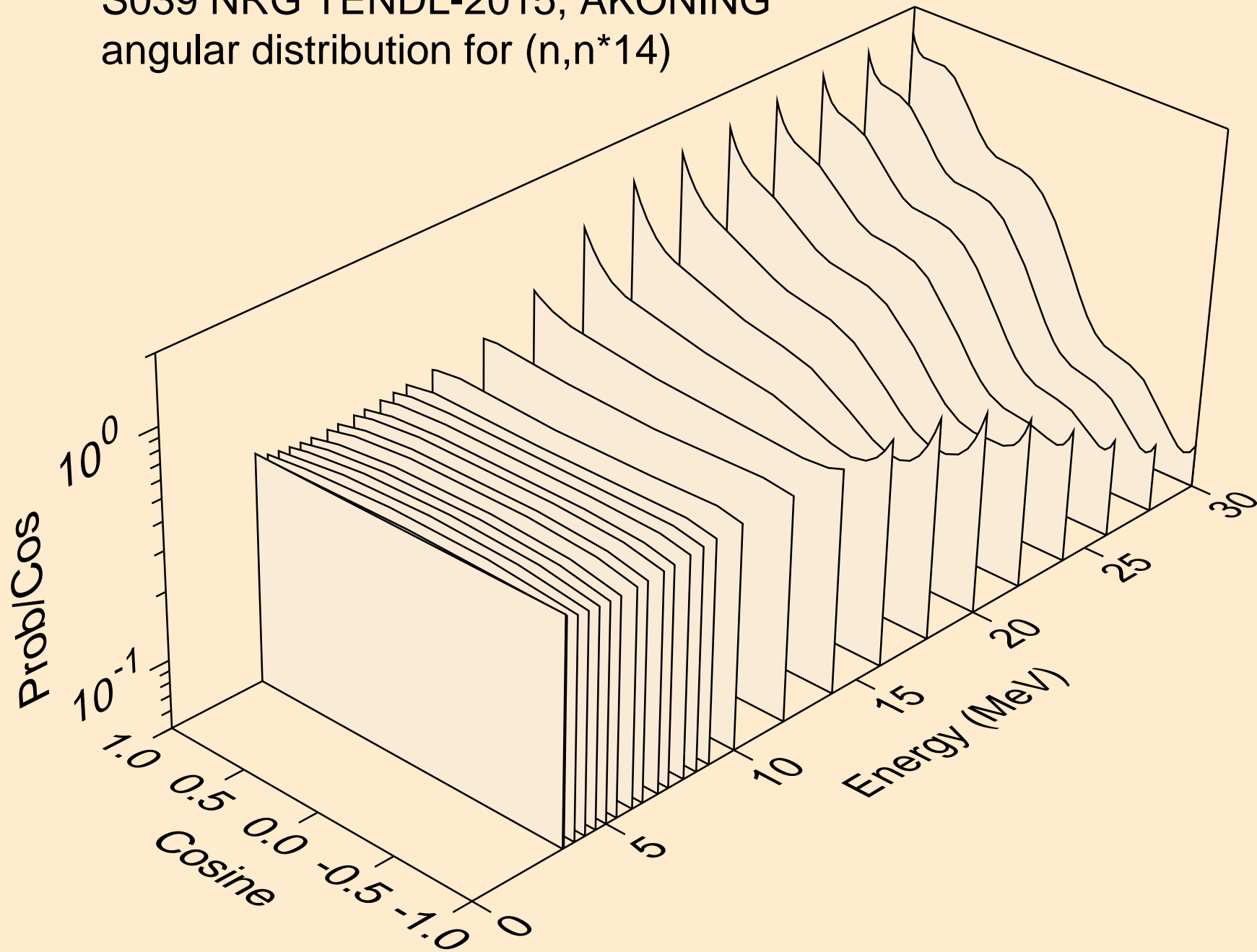
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angular distribution for (n,n\*12)



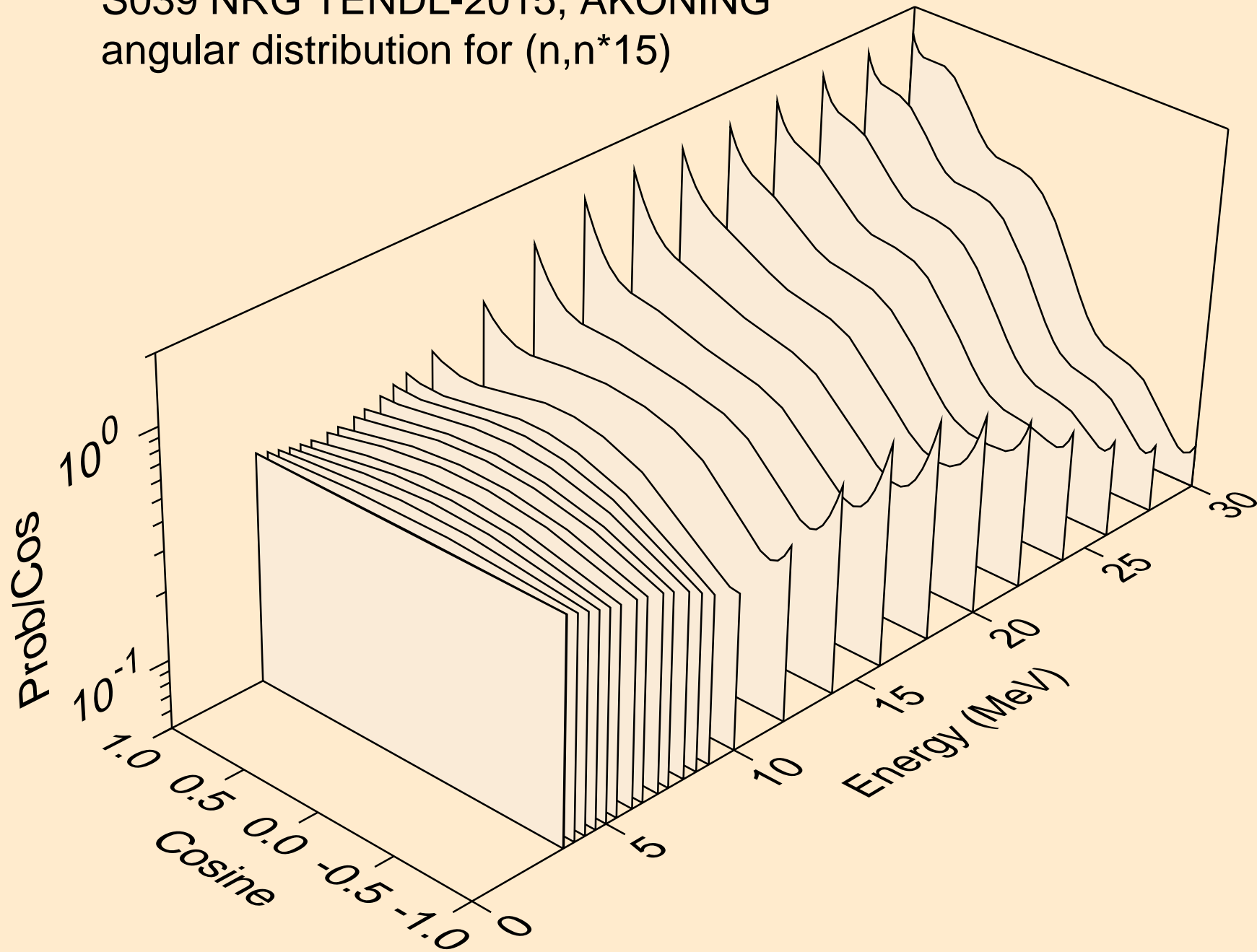
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

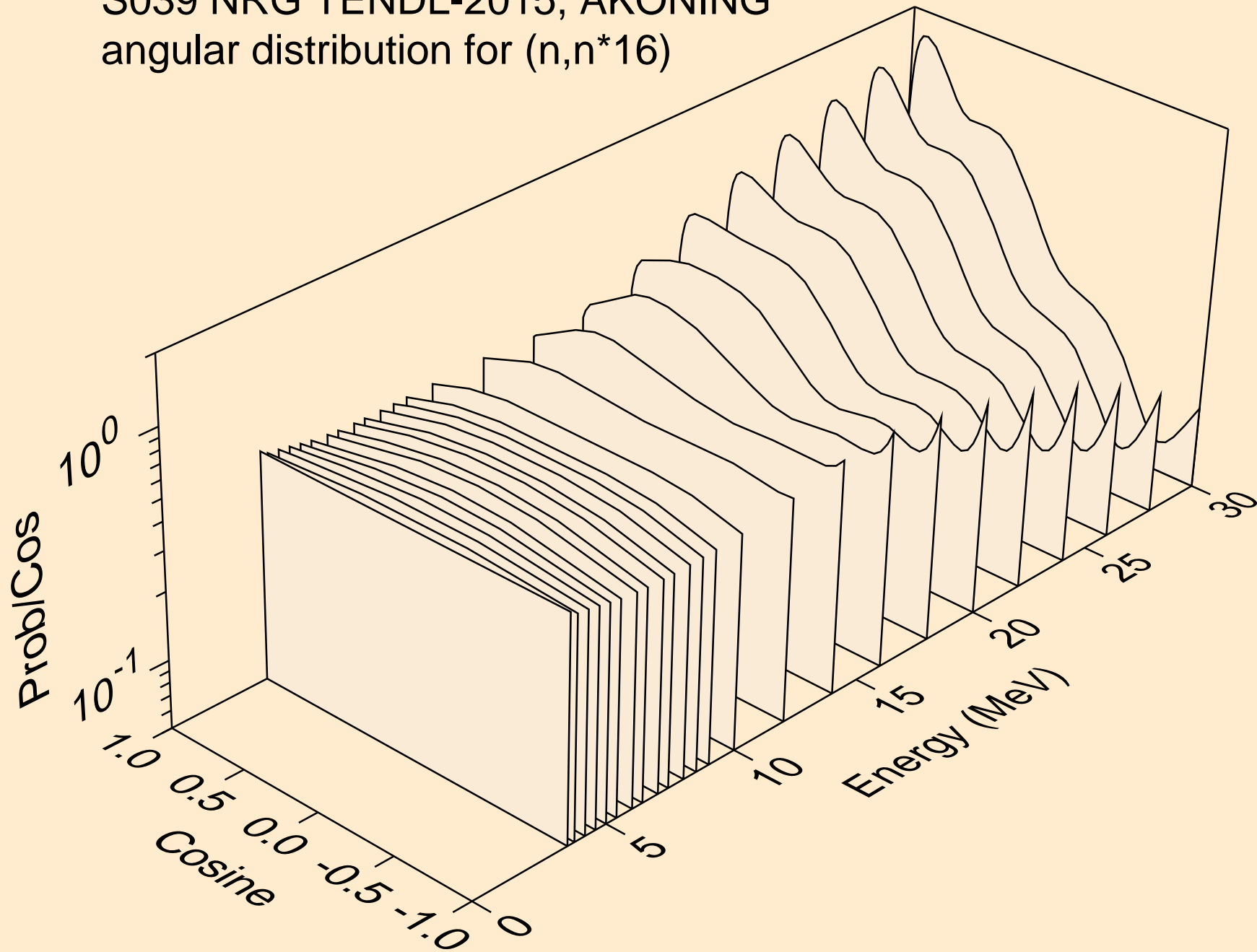


S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

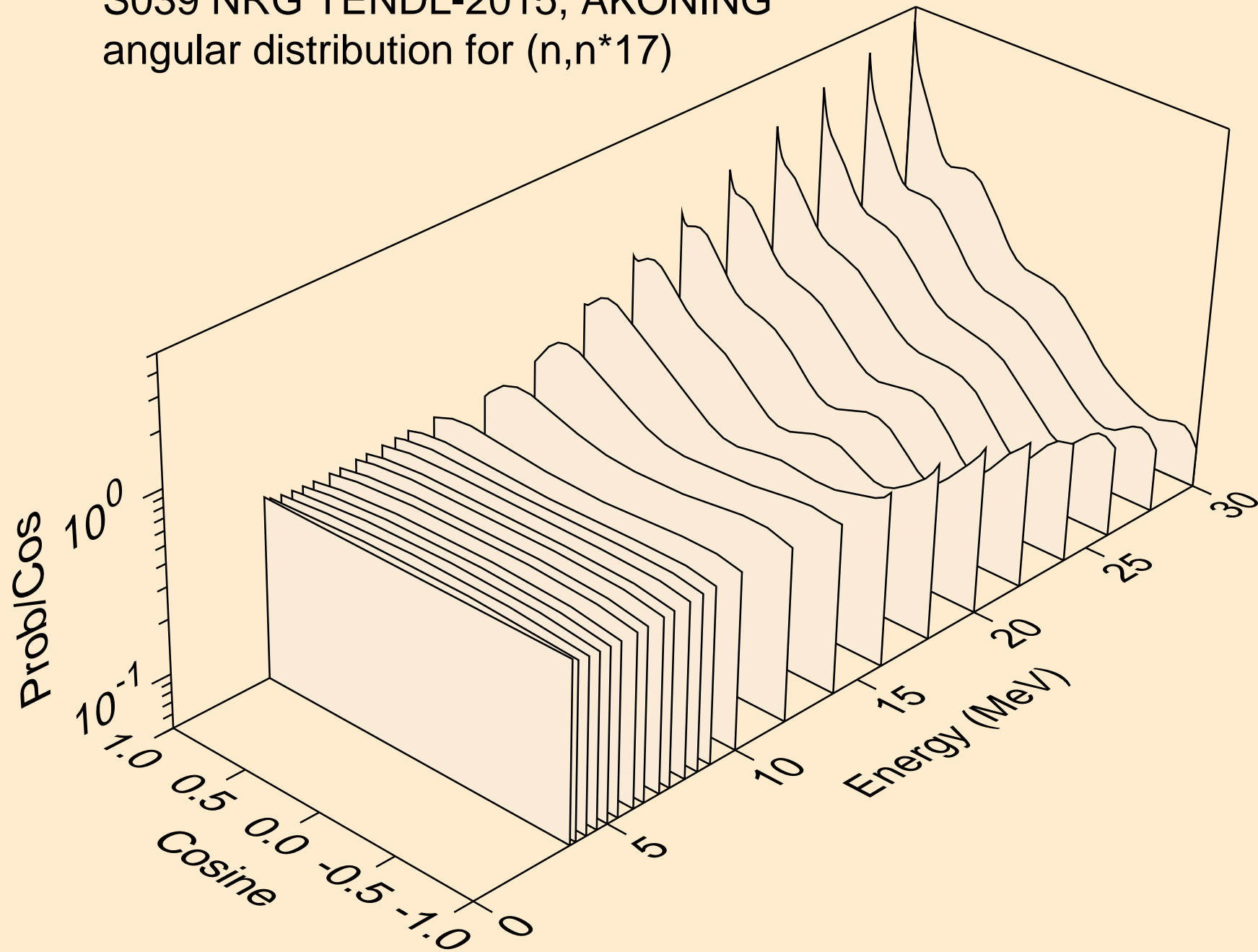




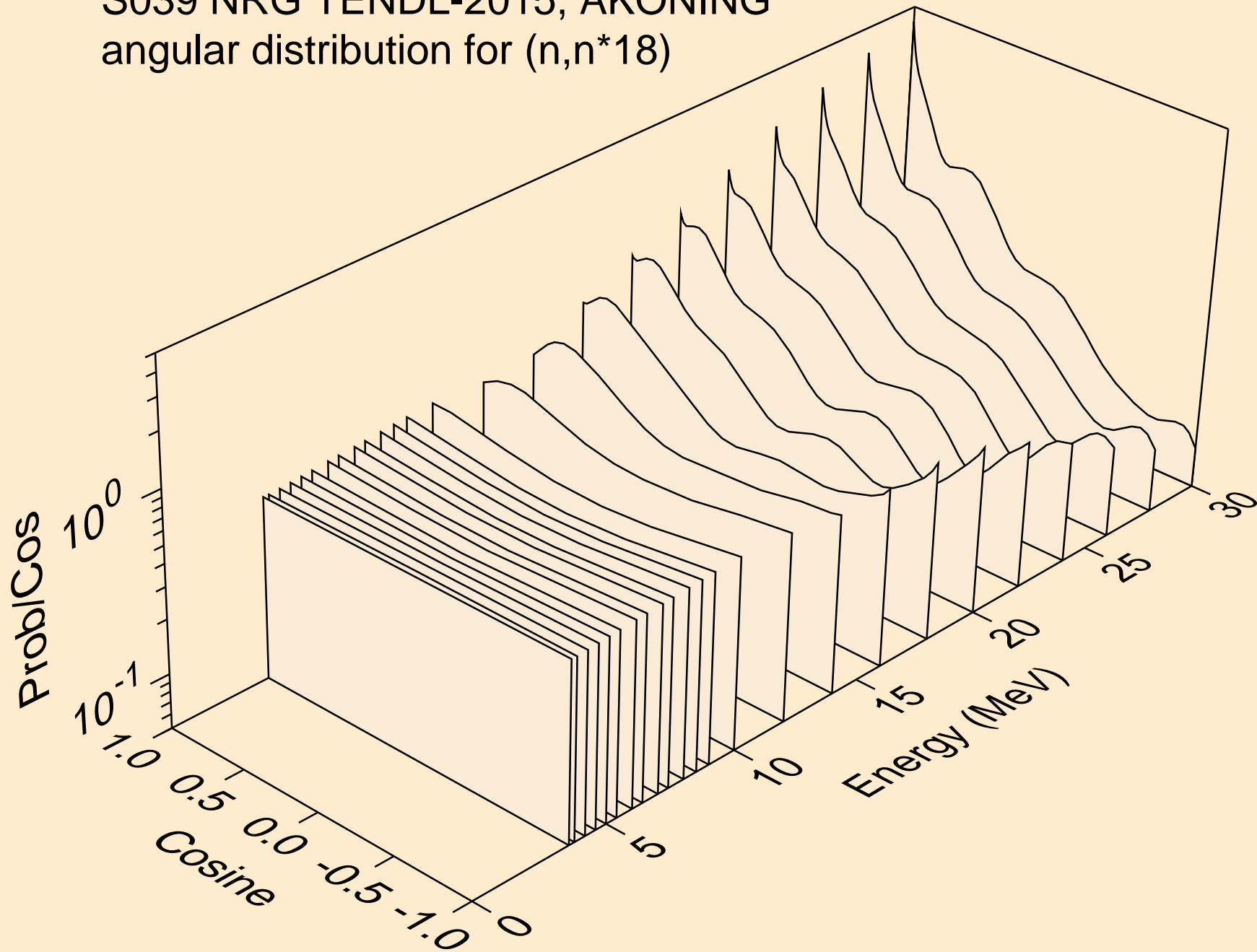
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angular distribution for (n,n\*16)



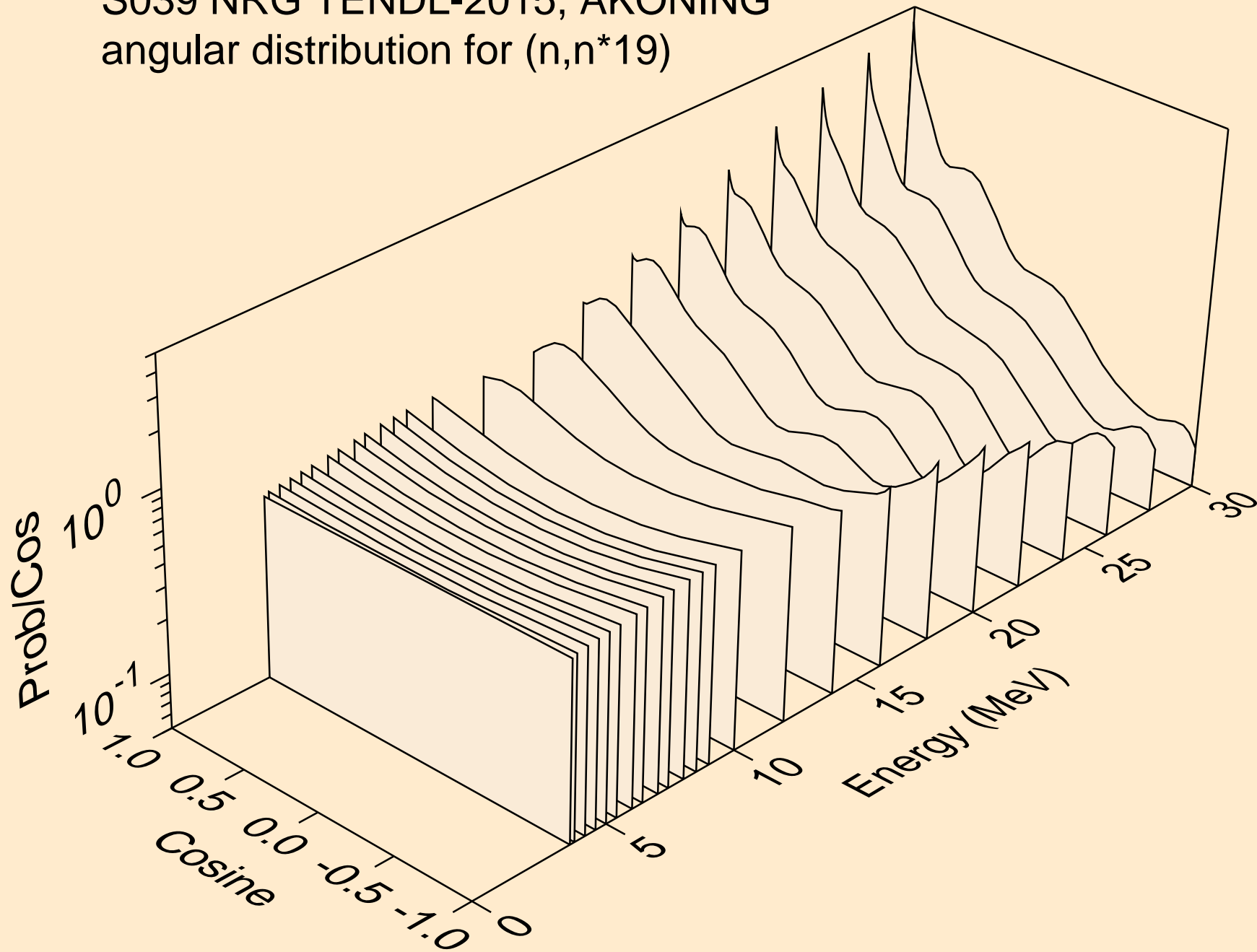
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angular distribution for (n,n\*17)



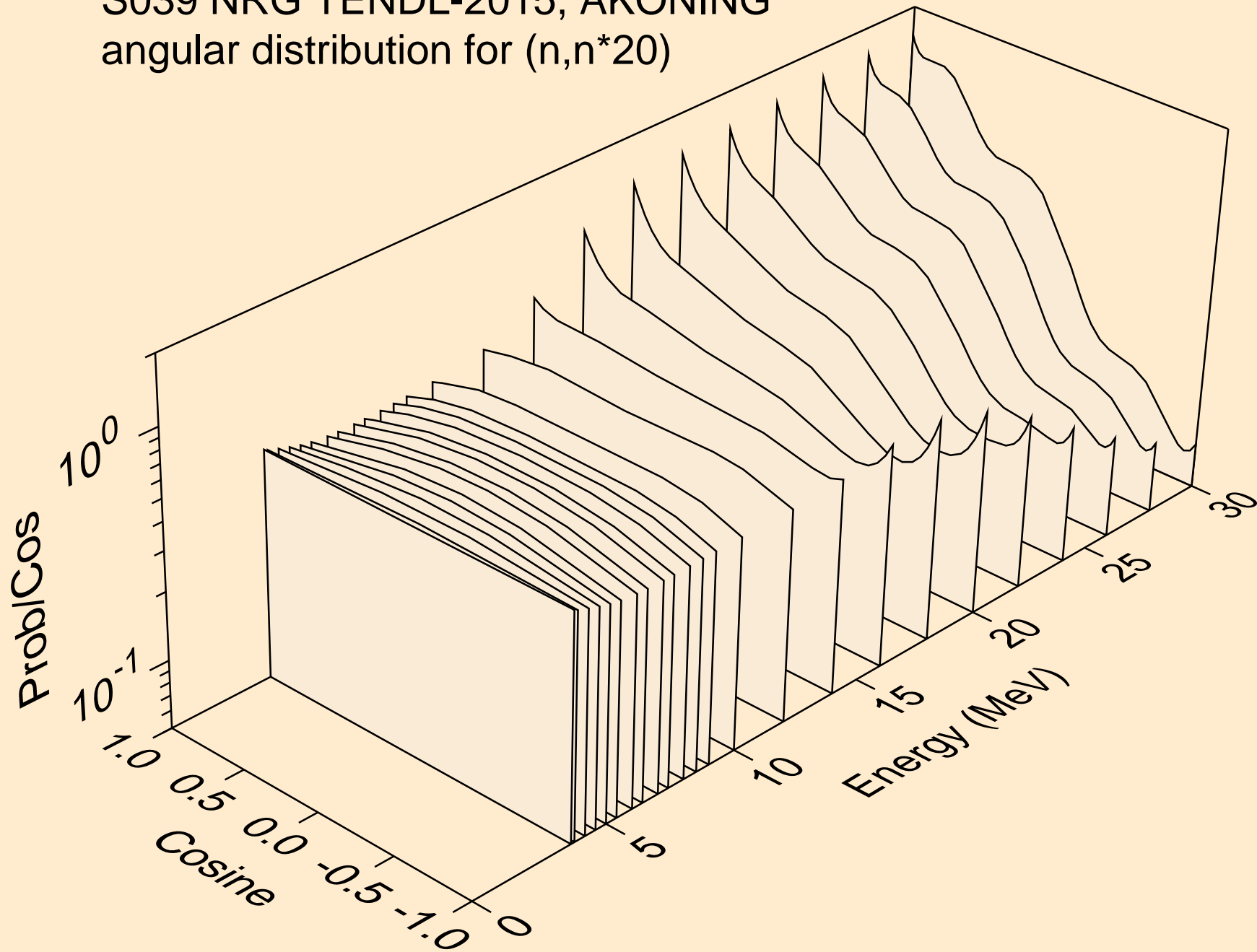
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angular distribution for (n,n\*18)



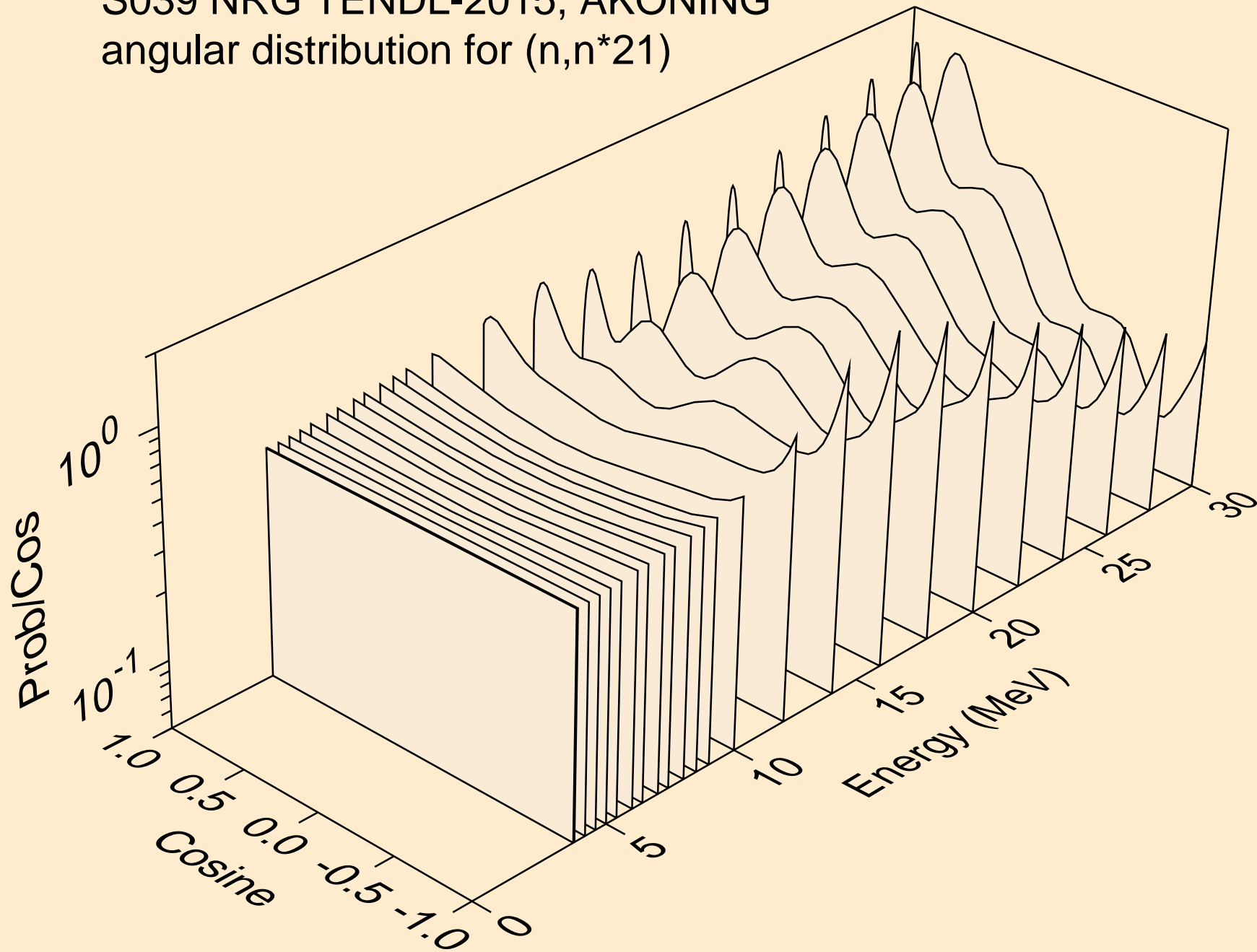
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angular distribution for (n,n\*19)



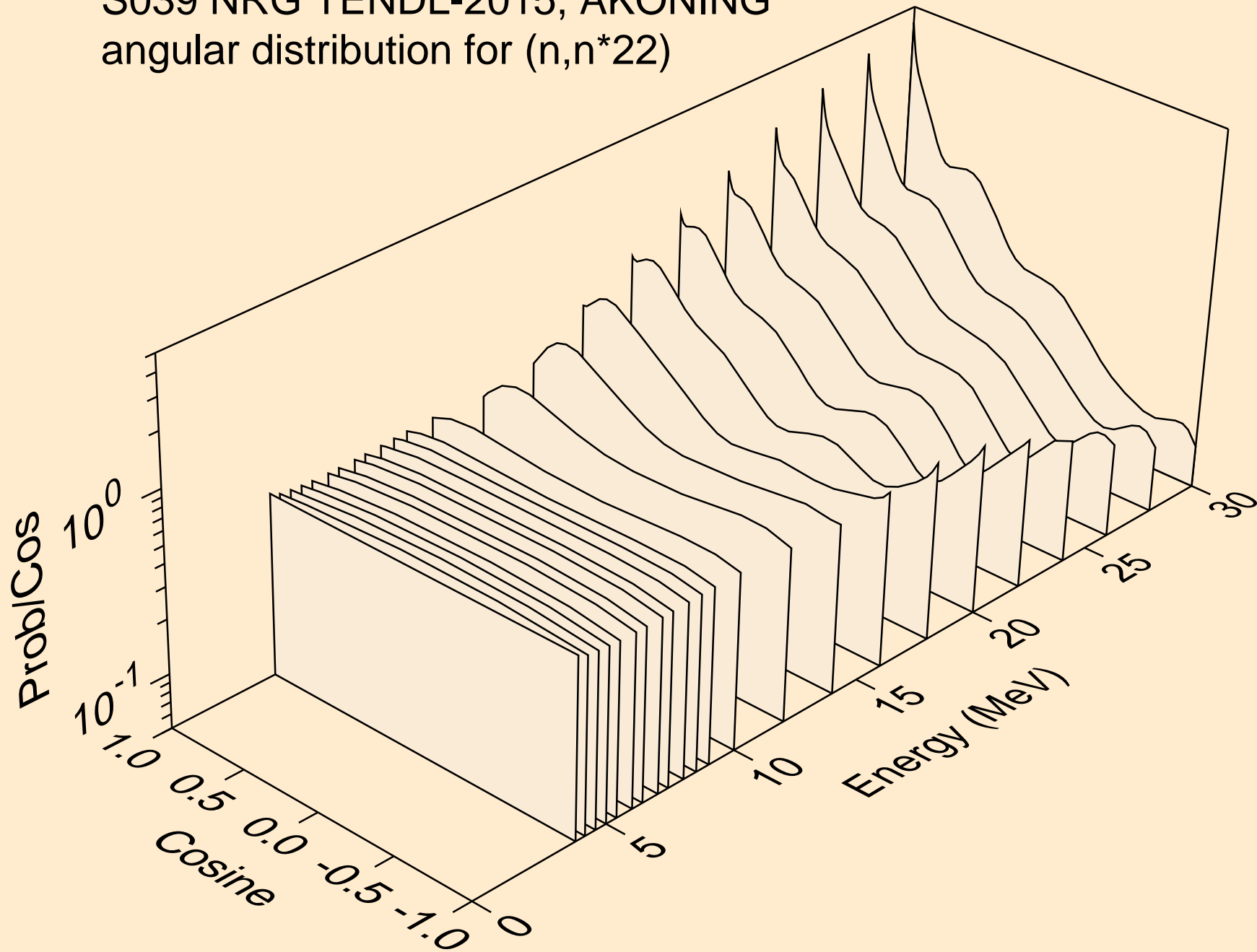
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angular distribution for (n,n\*20)



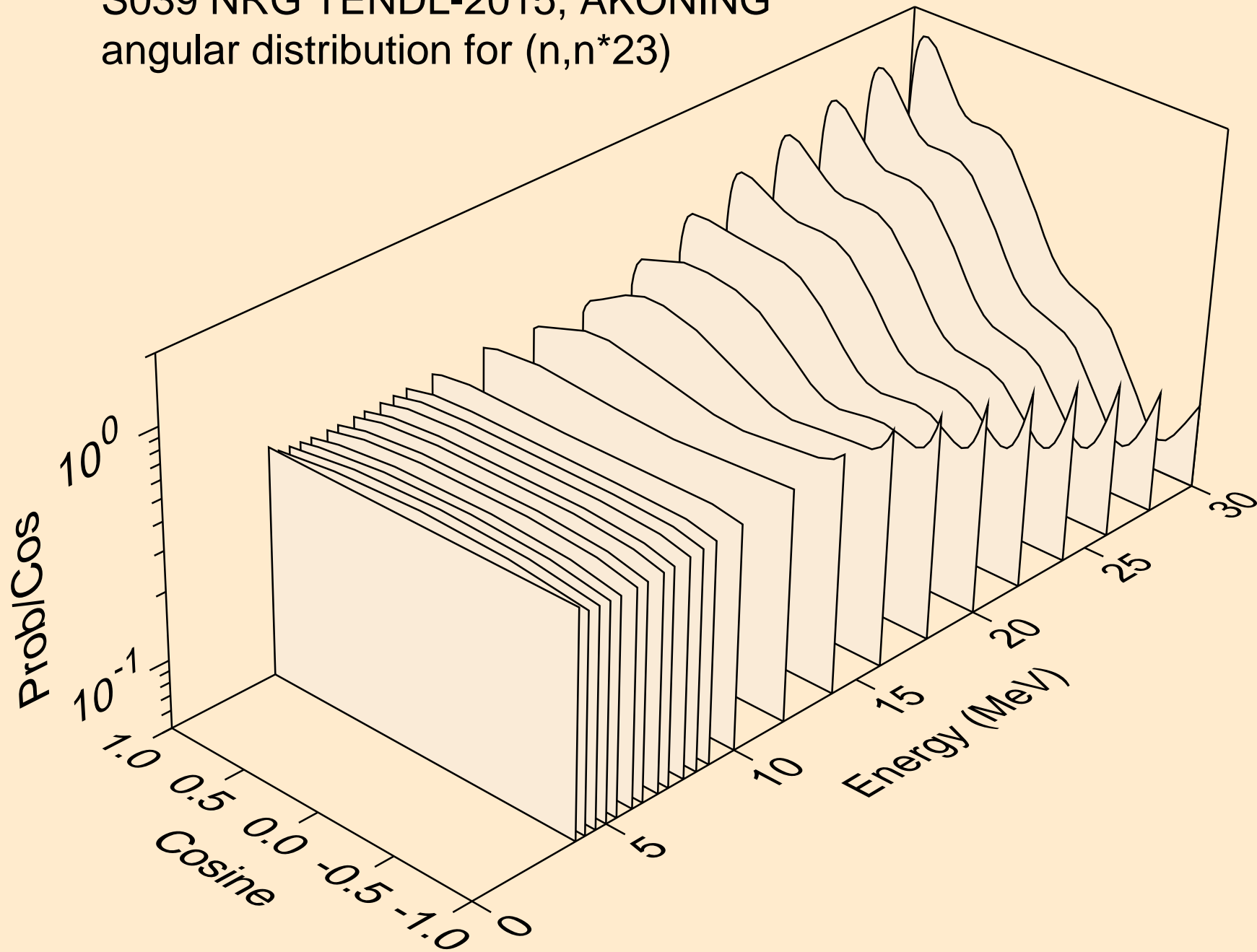
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

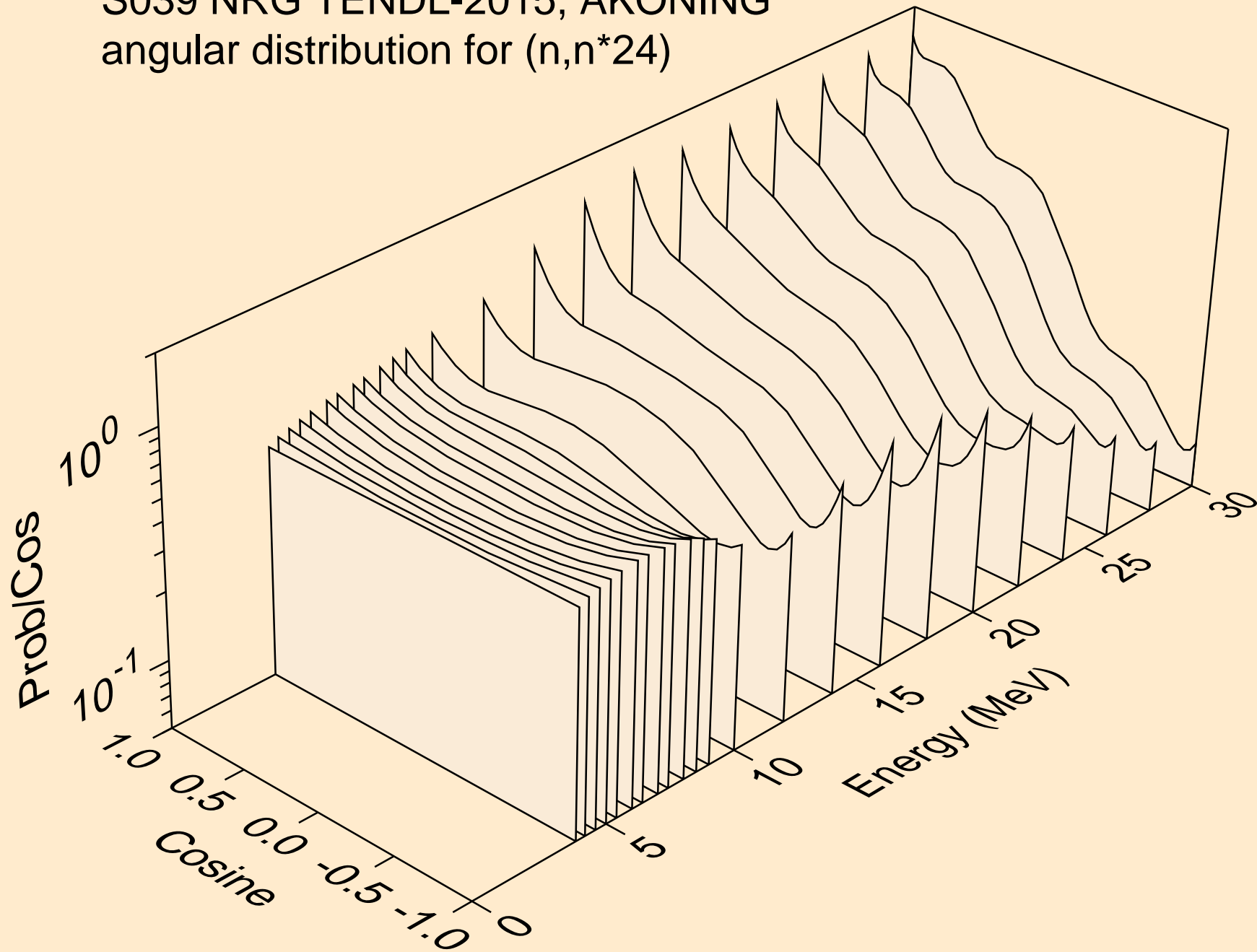


S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

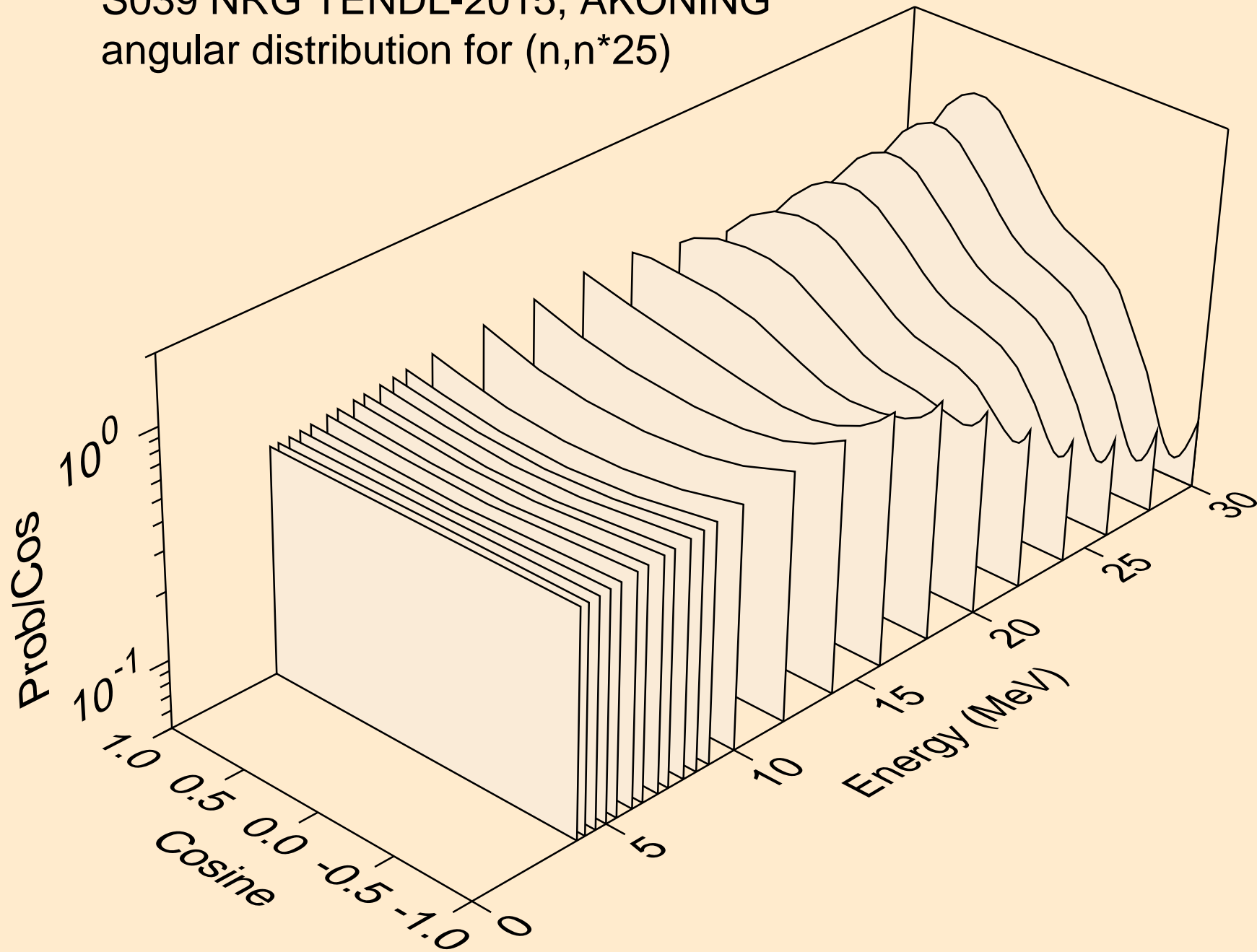




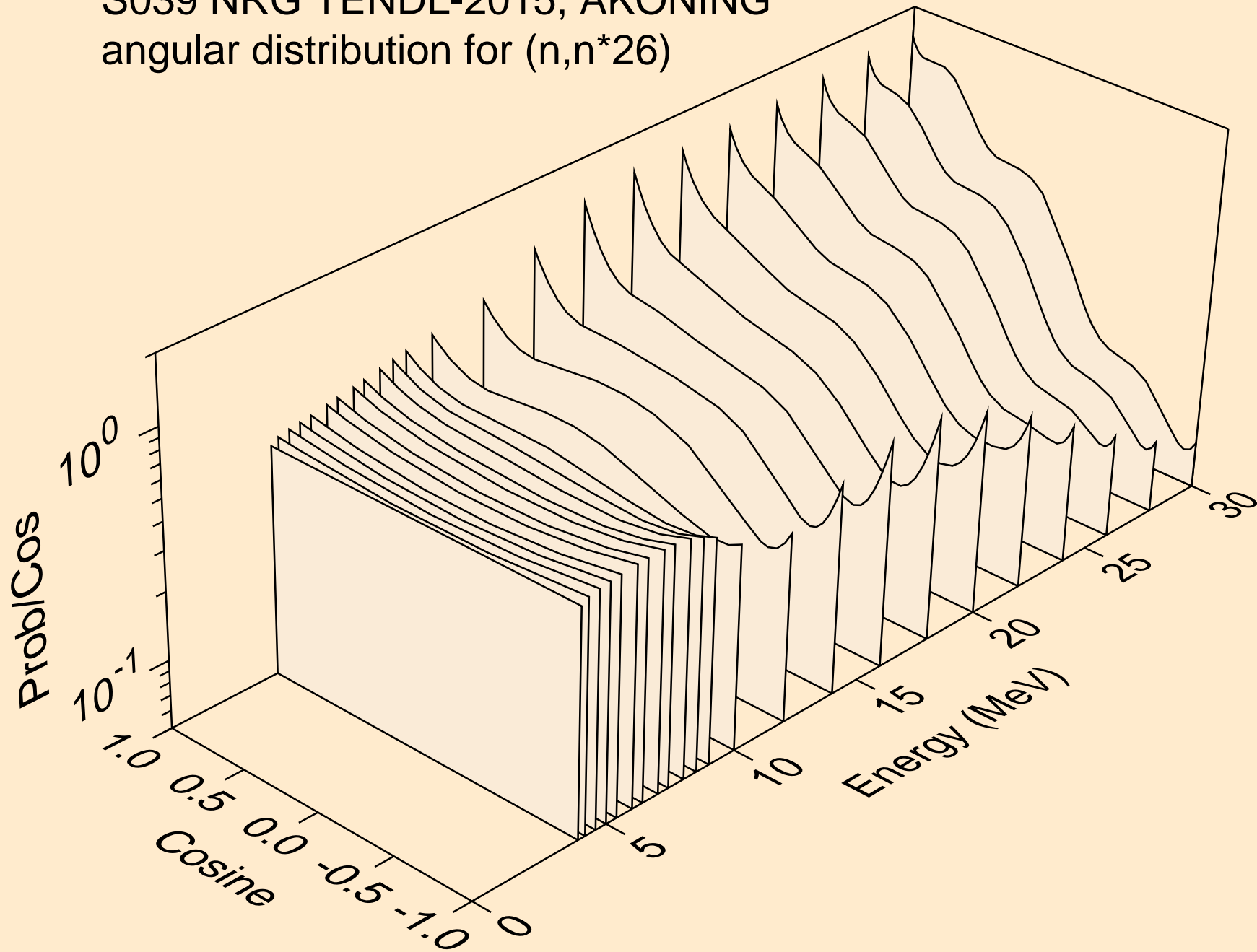
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angular distribution for (n,n\*24)



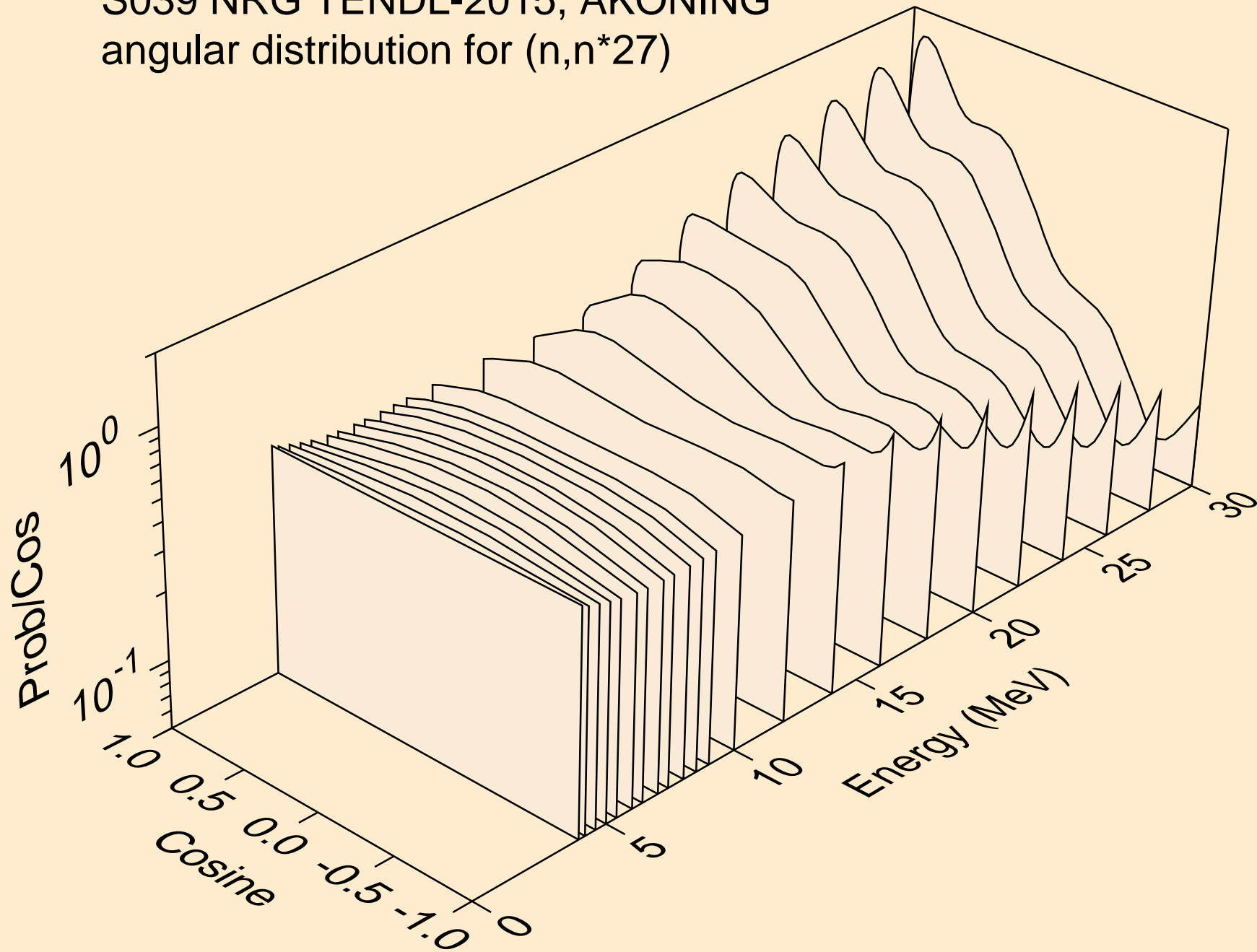
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angular distribution for (n,n\*25)



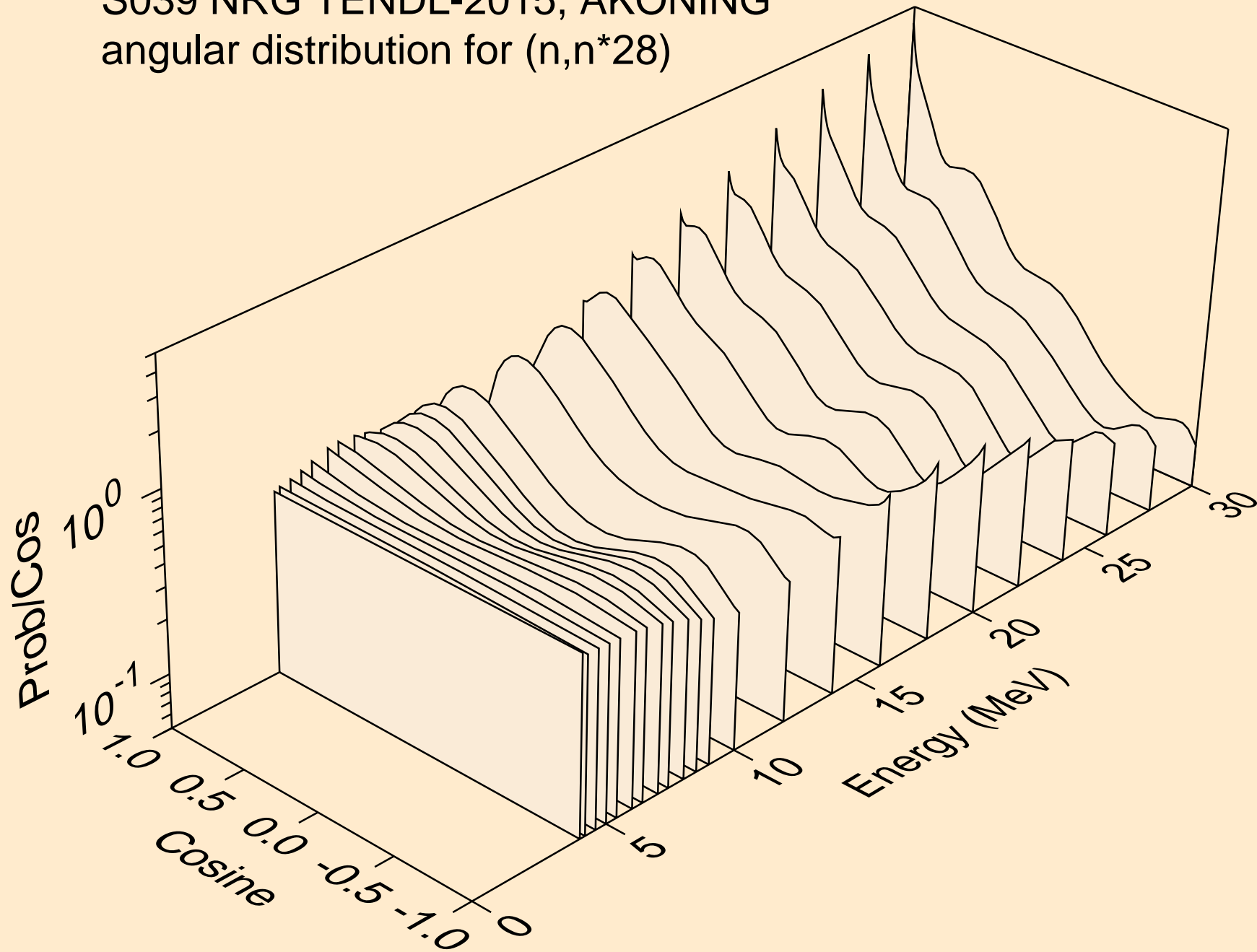
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angular distribution for (n,n\*26)



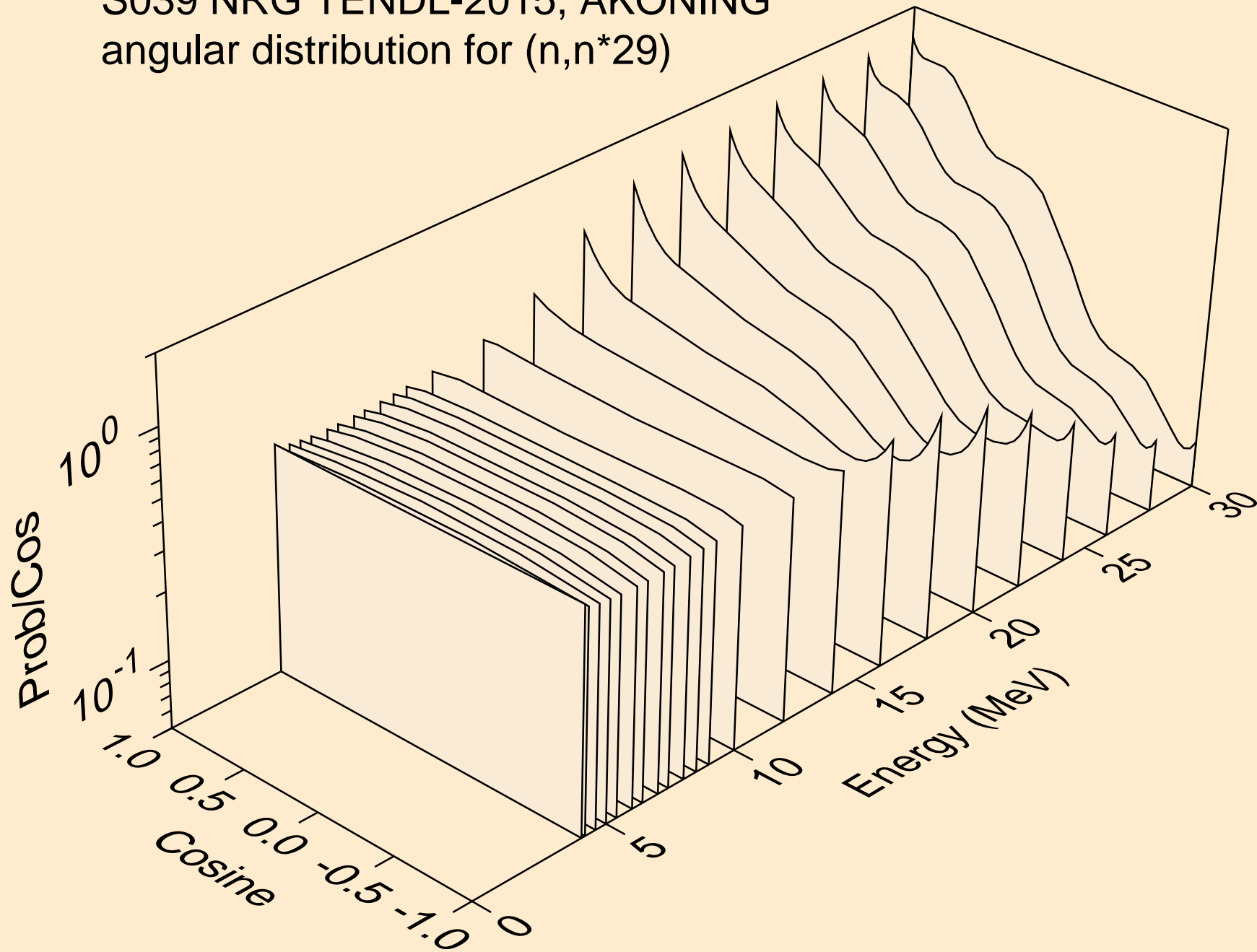
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angular distribution for (n,n\*27)



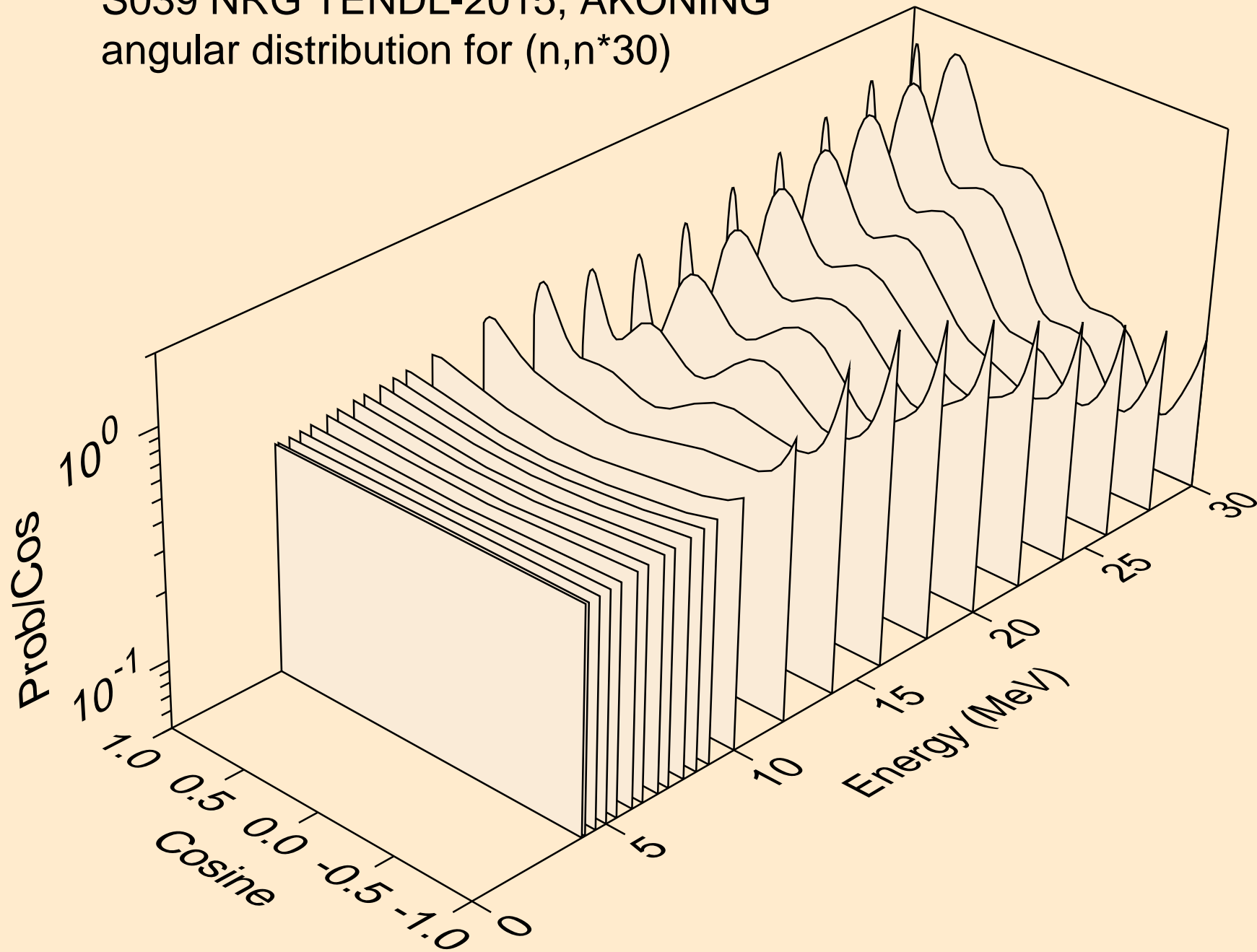
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angular distribution for (n,n\*28)



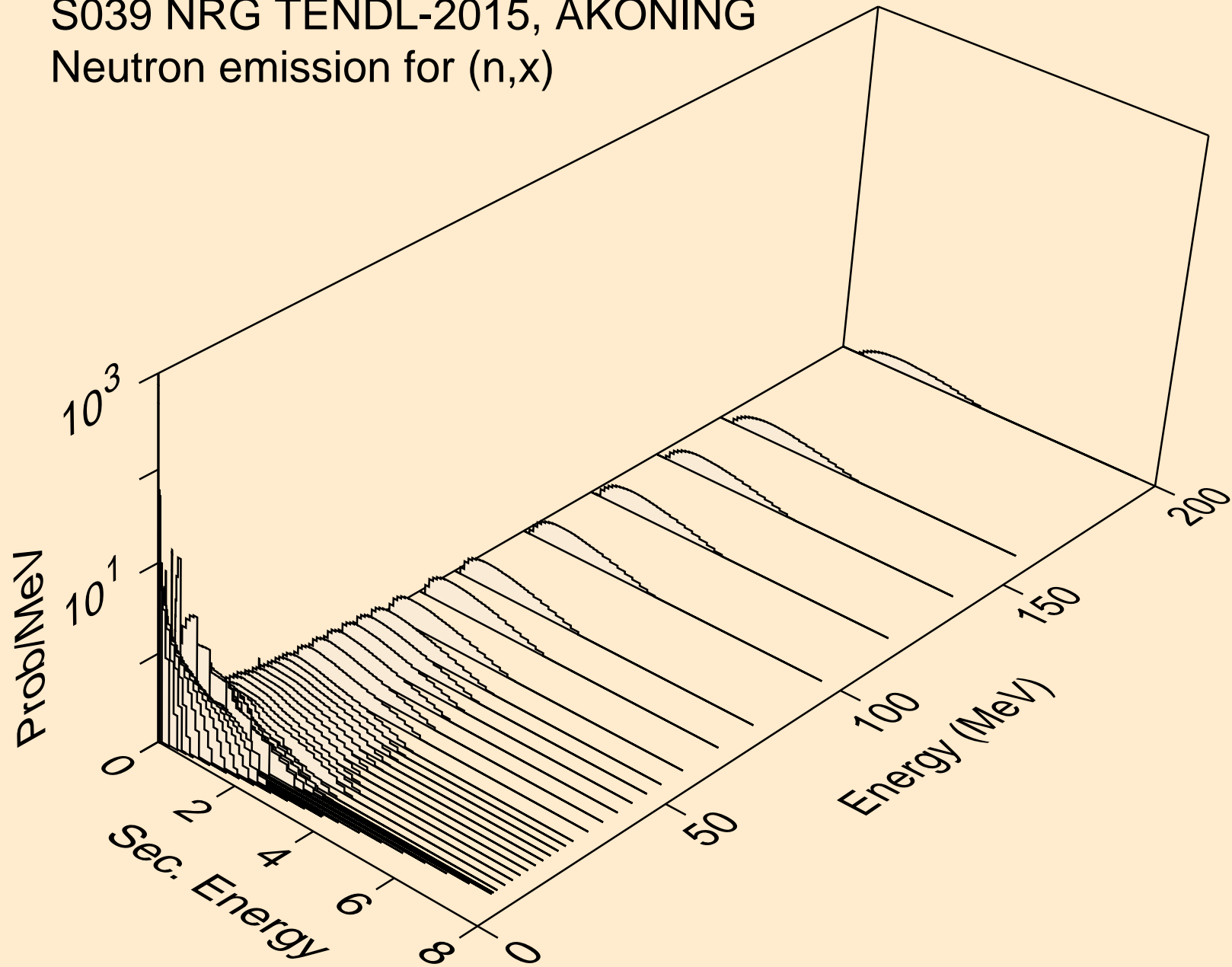
S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



S039 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

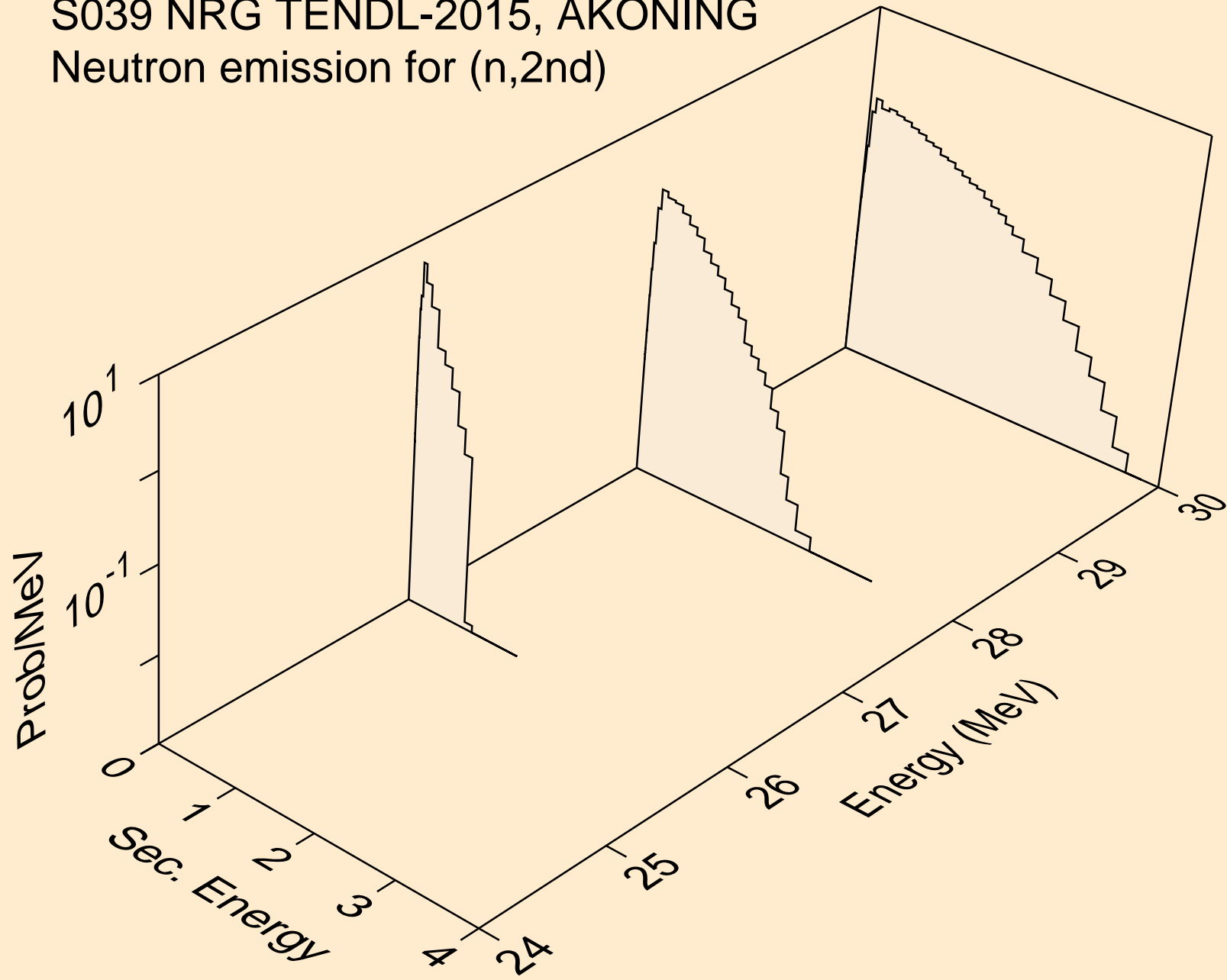


S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

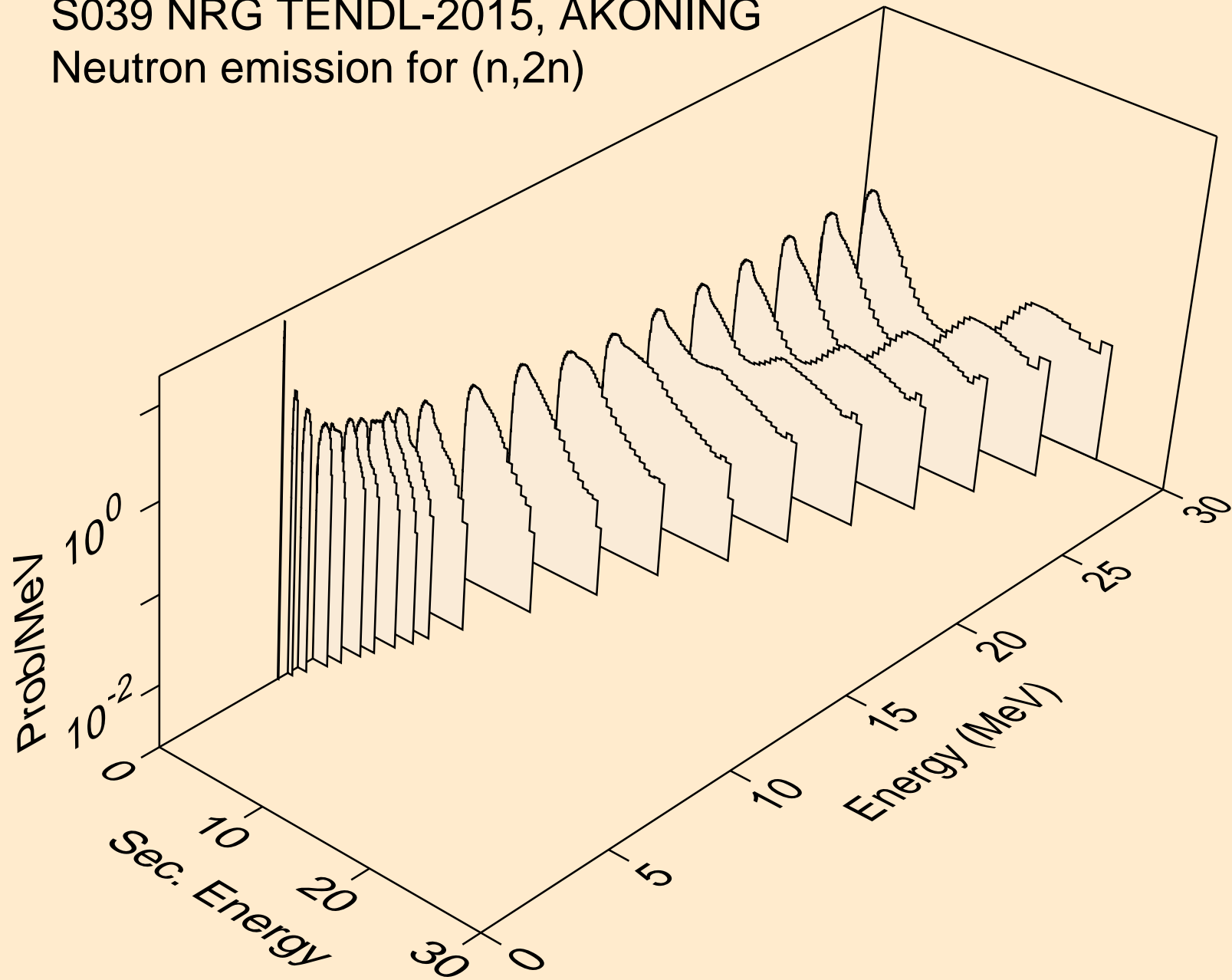




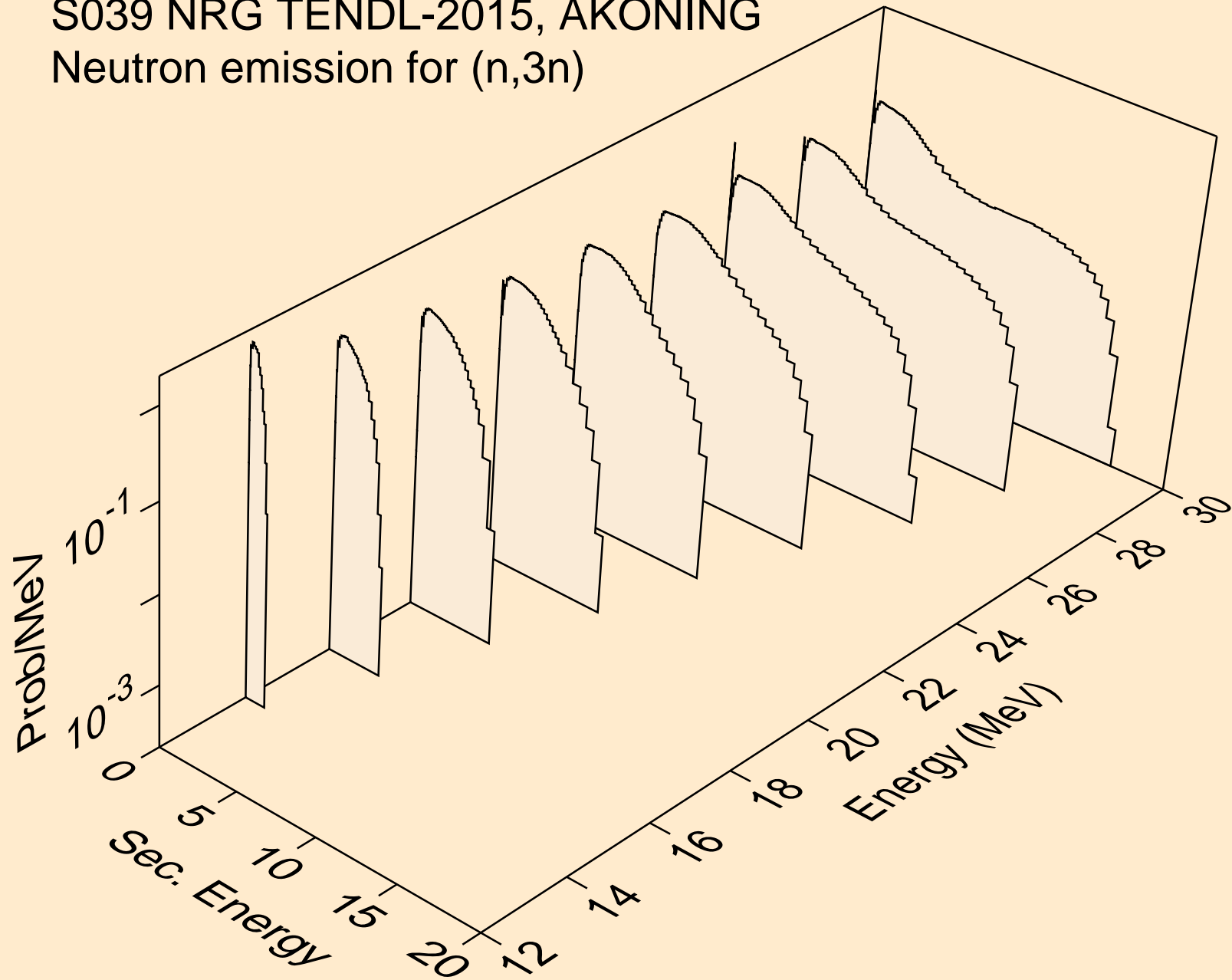
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



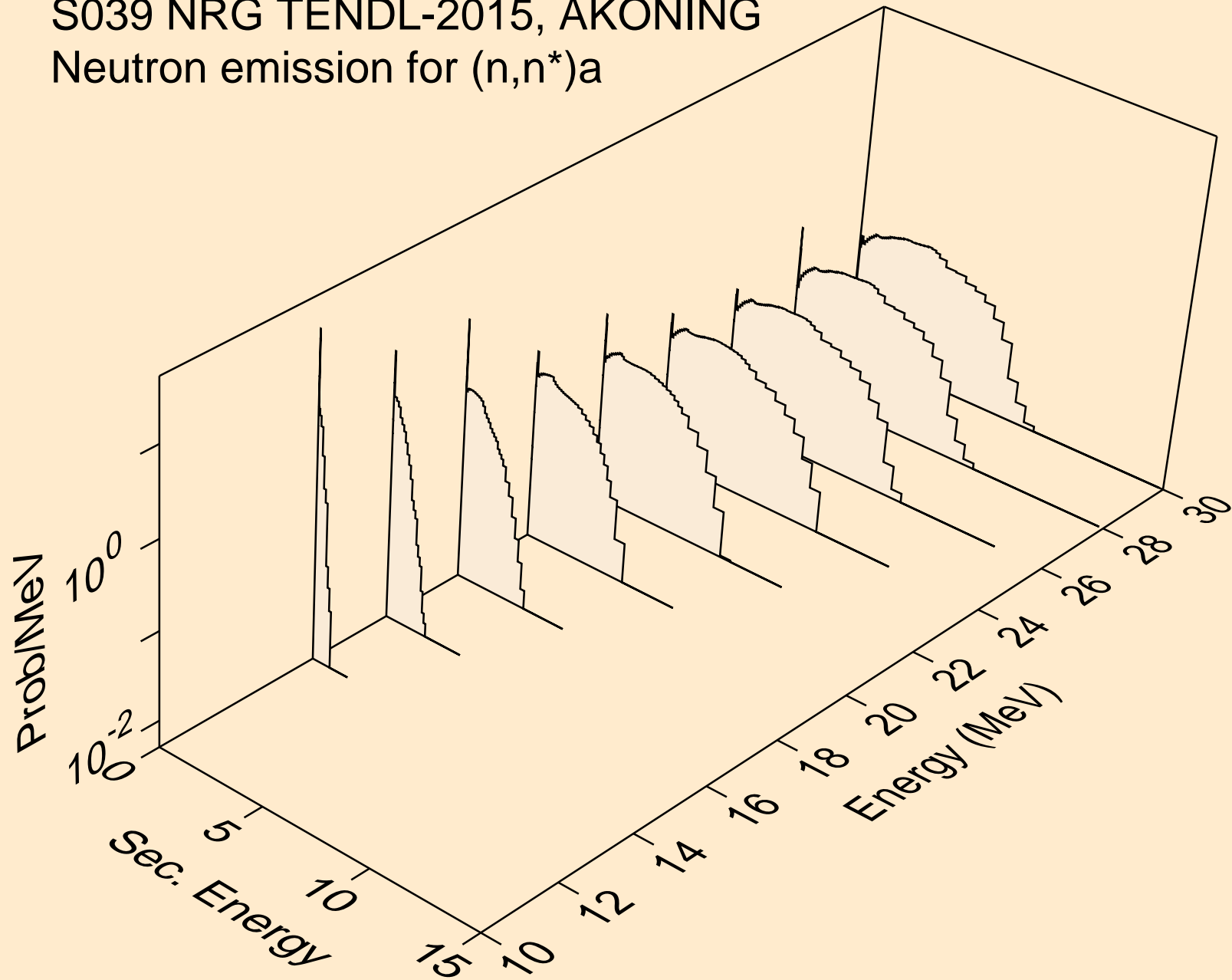
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



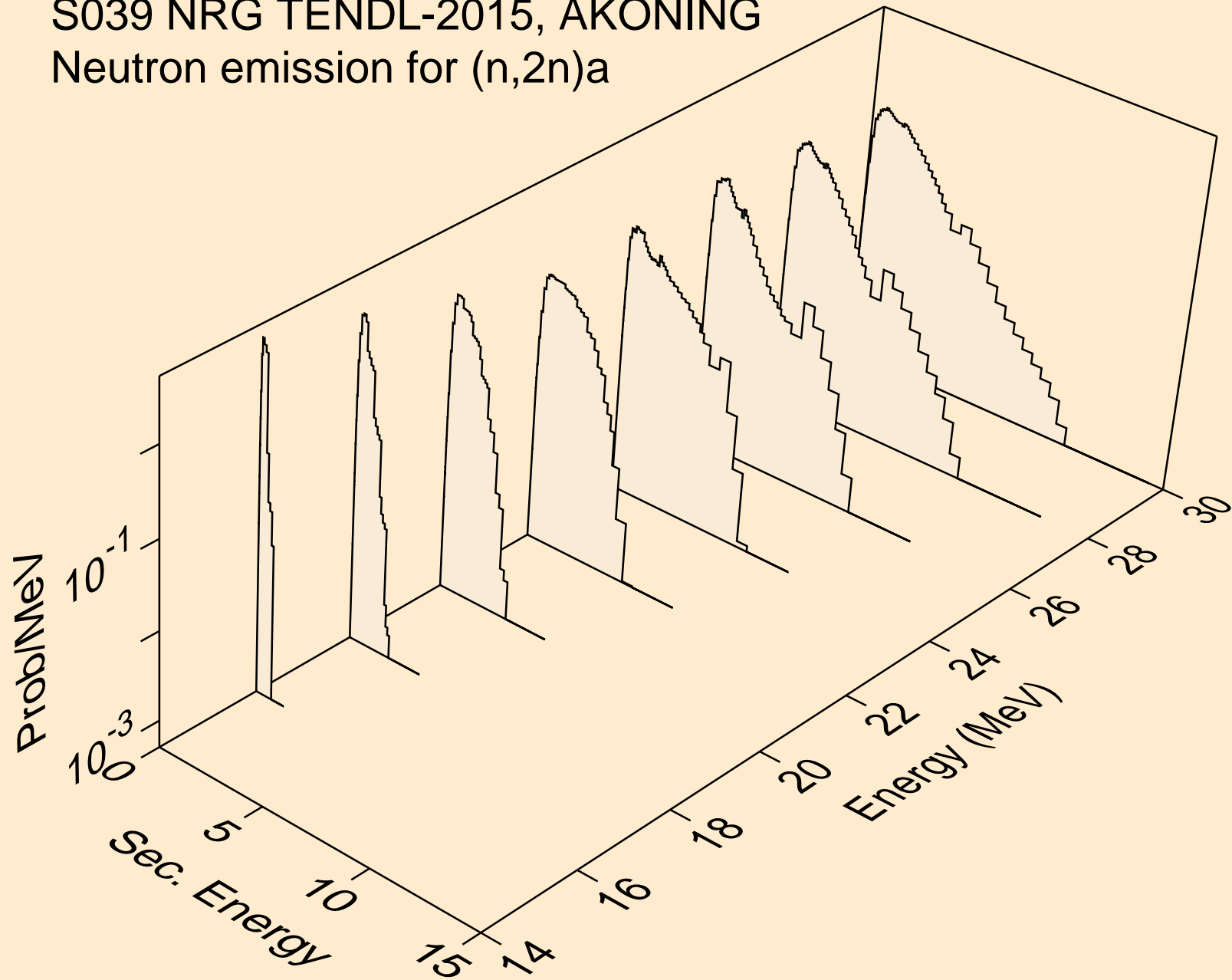
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



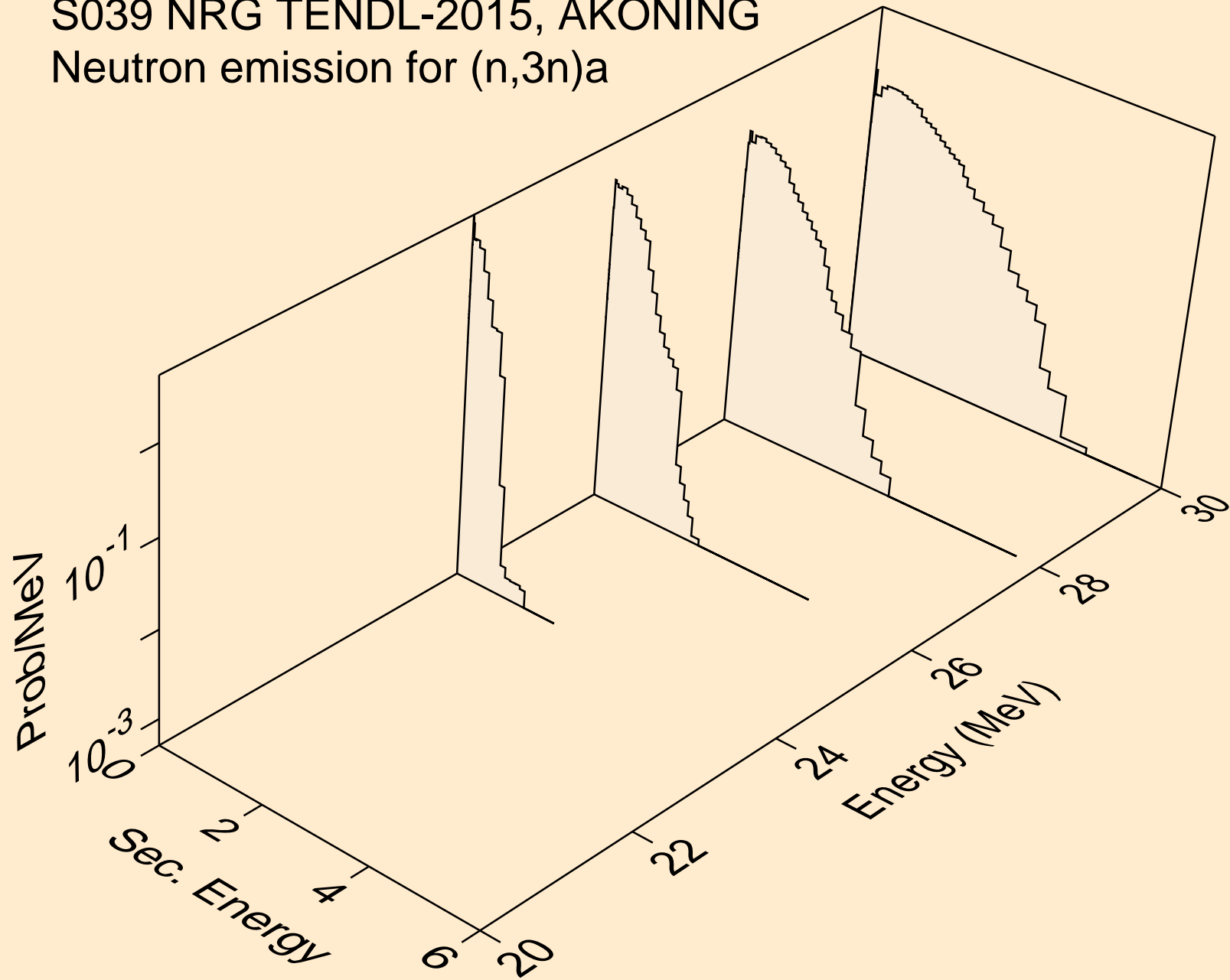
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



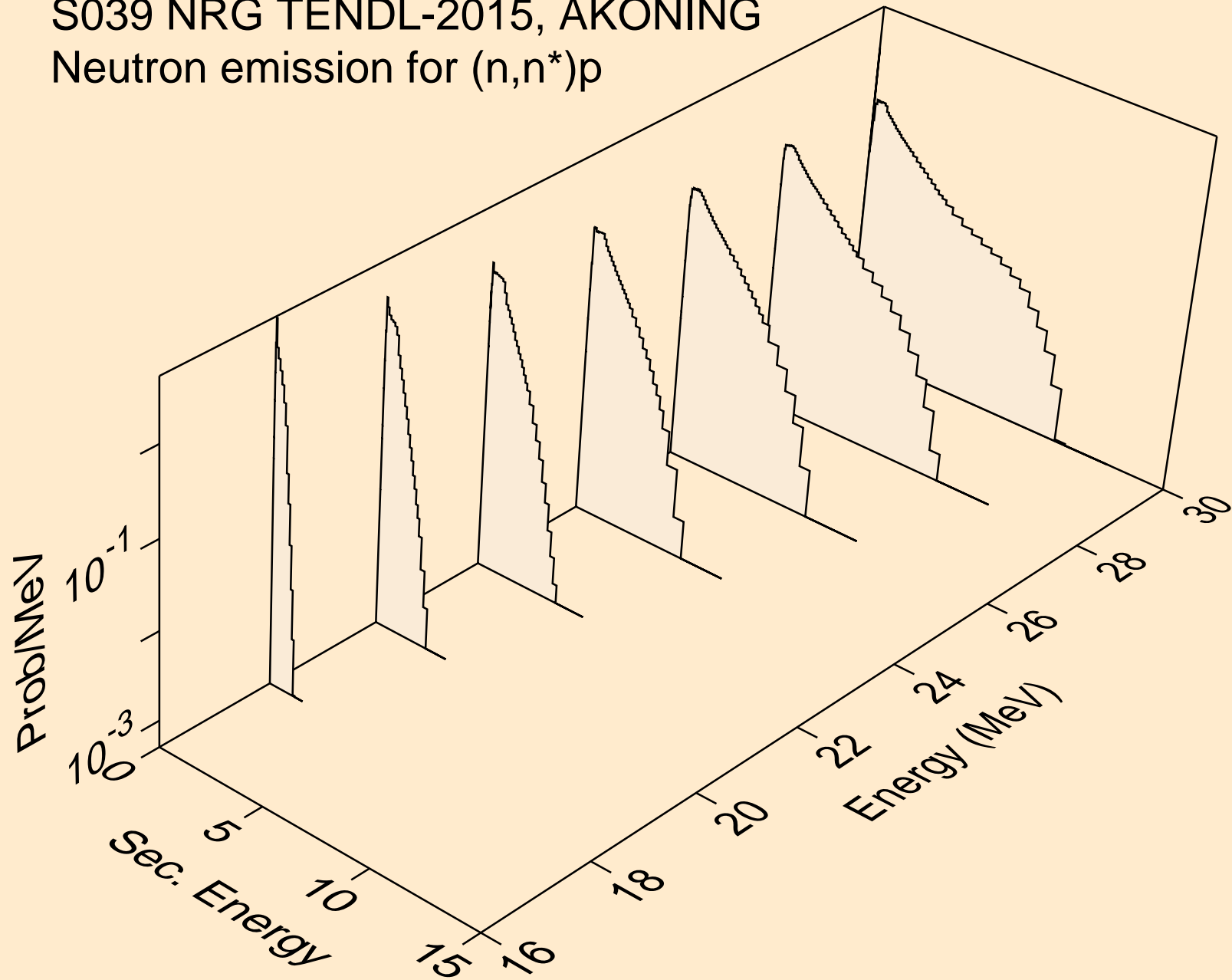
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



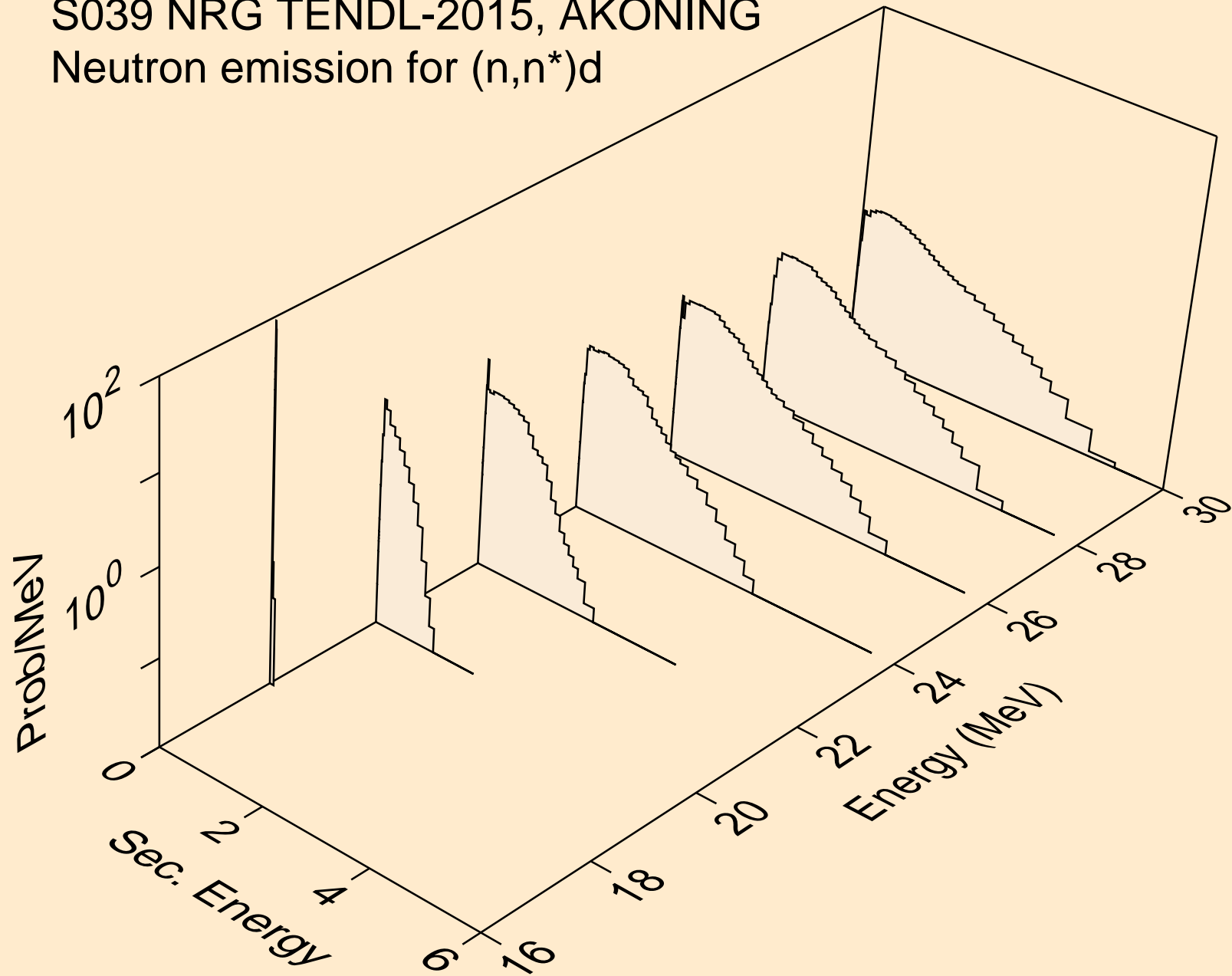
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

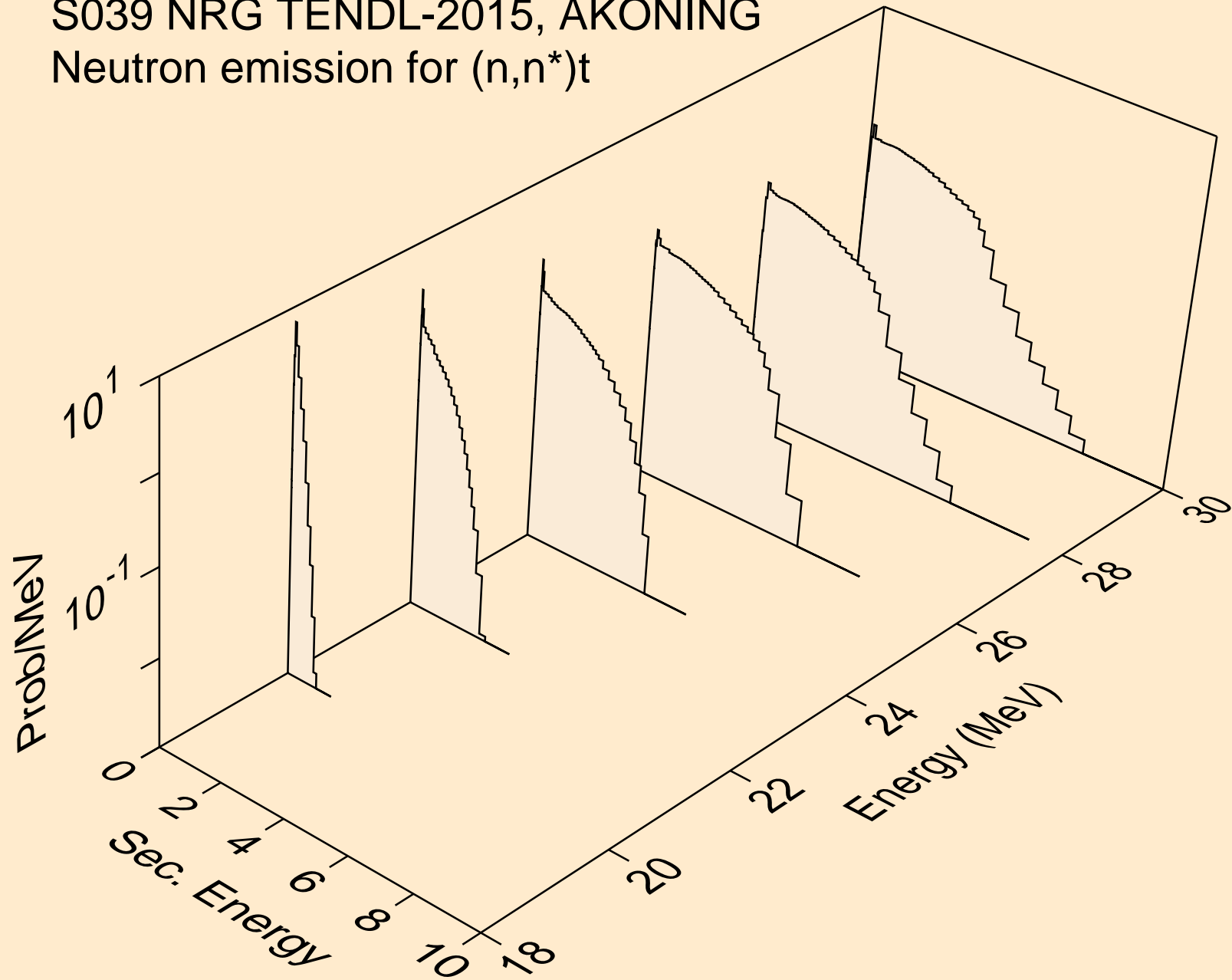


S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

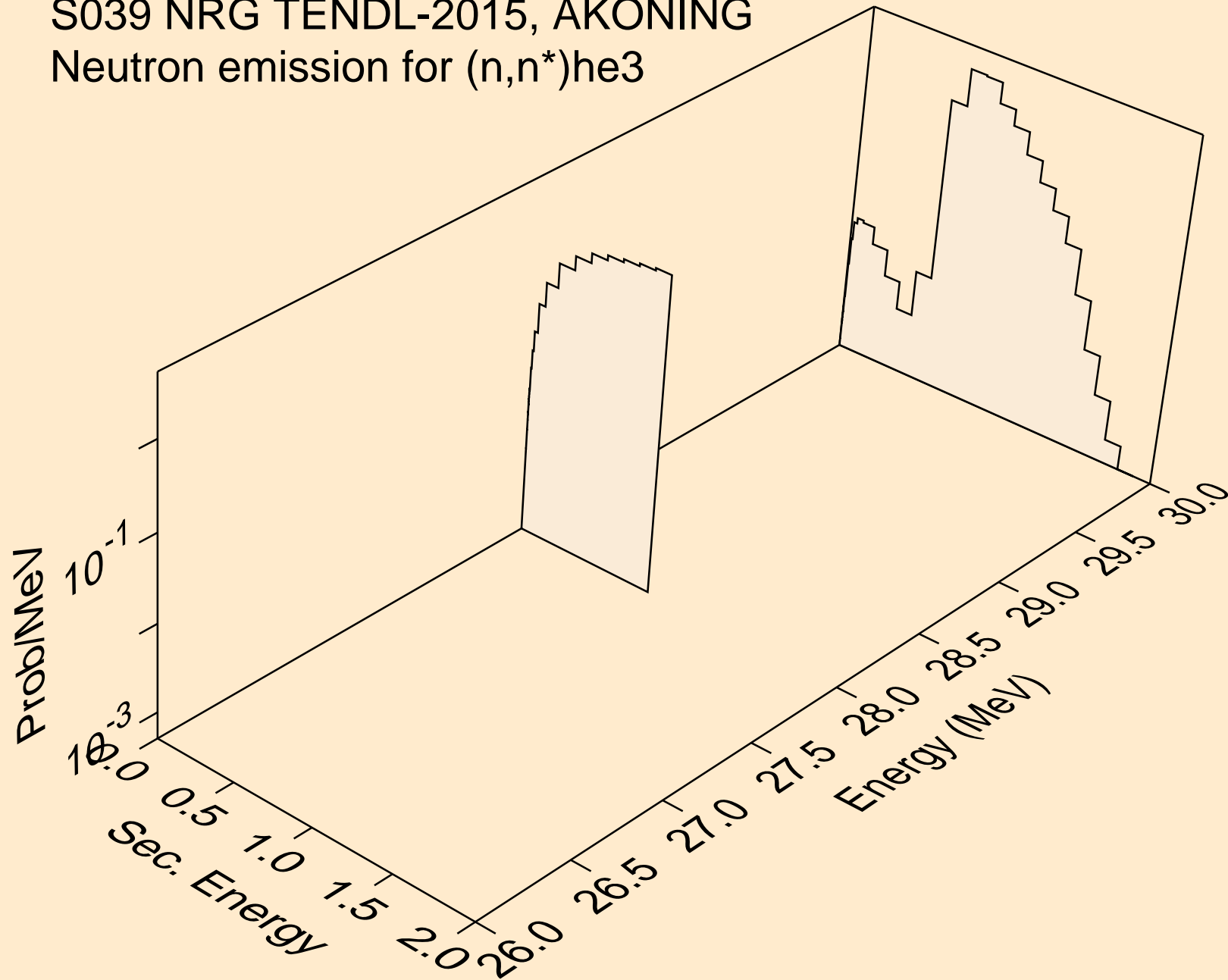




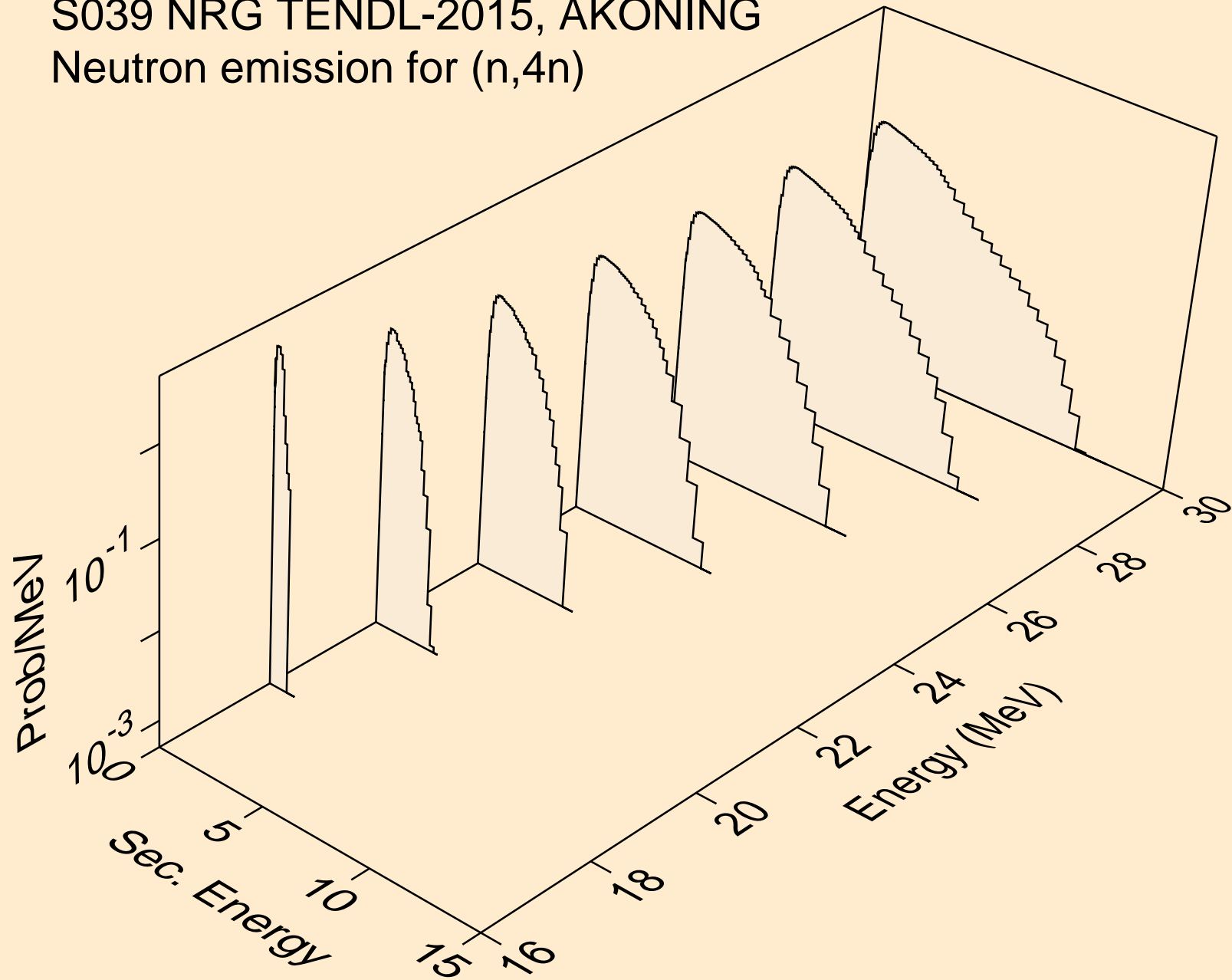
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



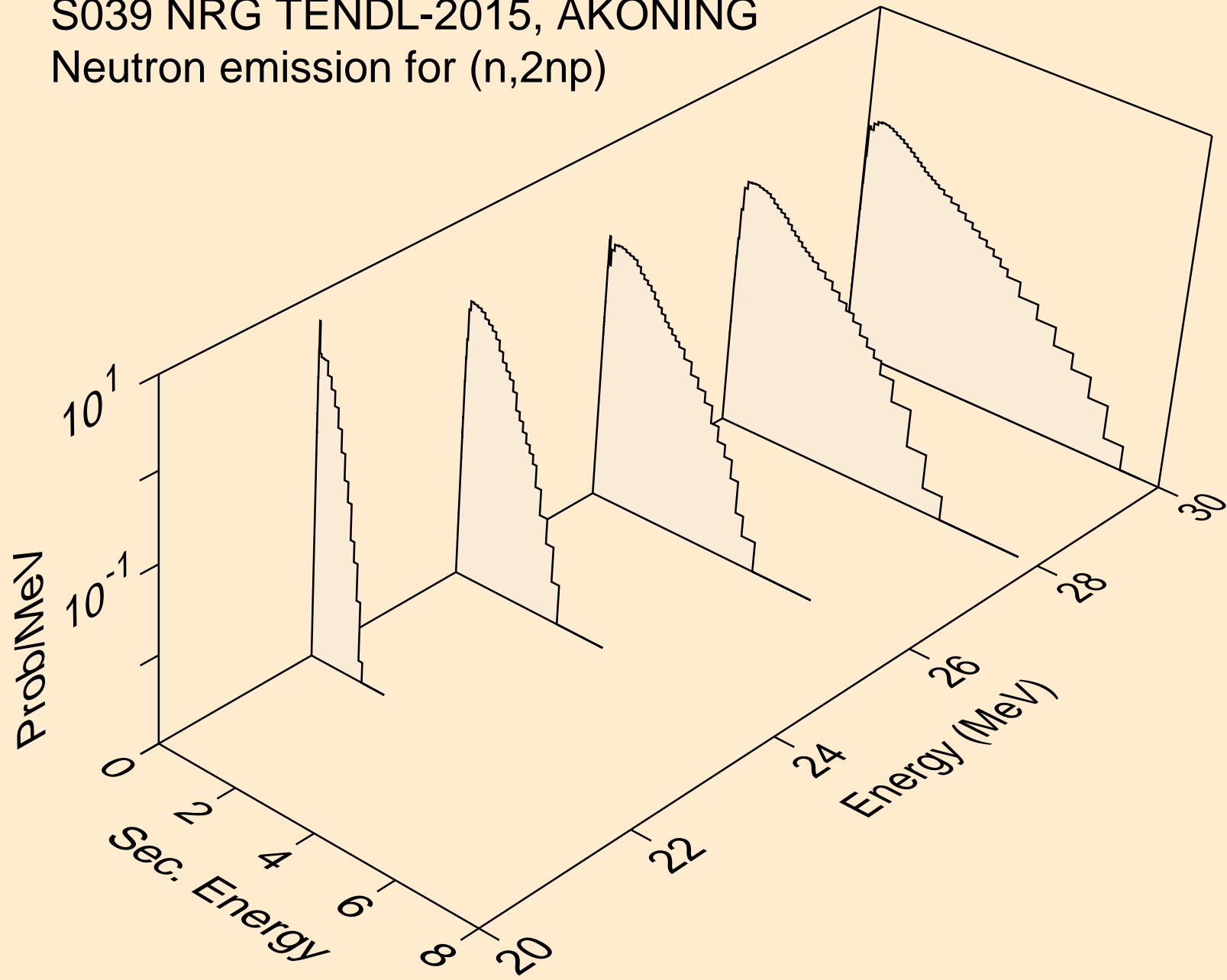
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



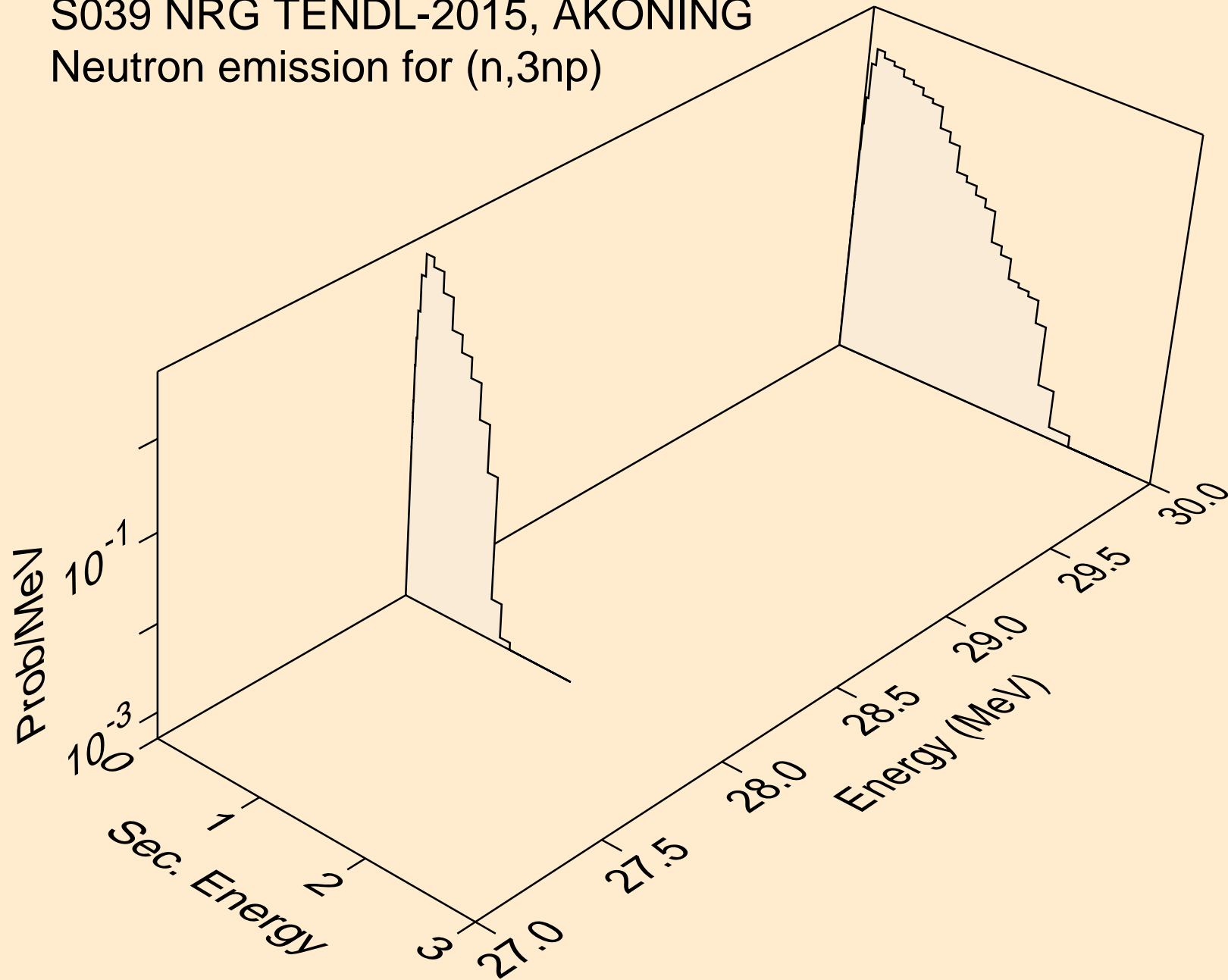
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



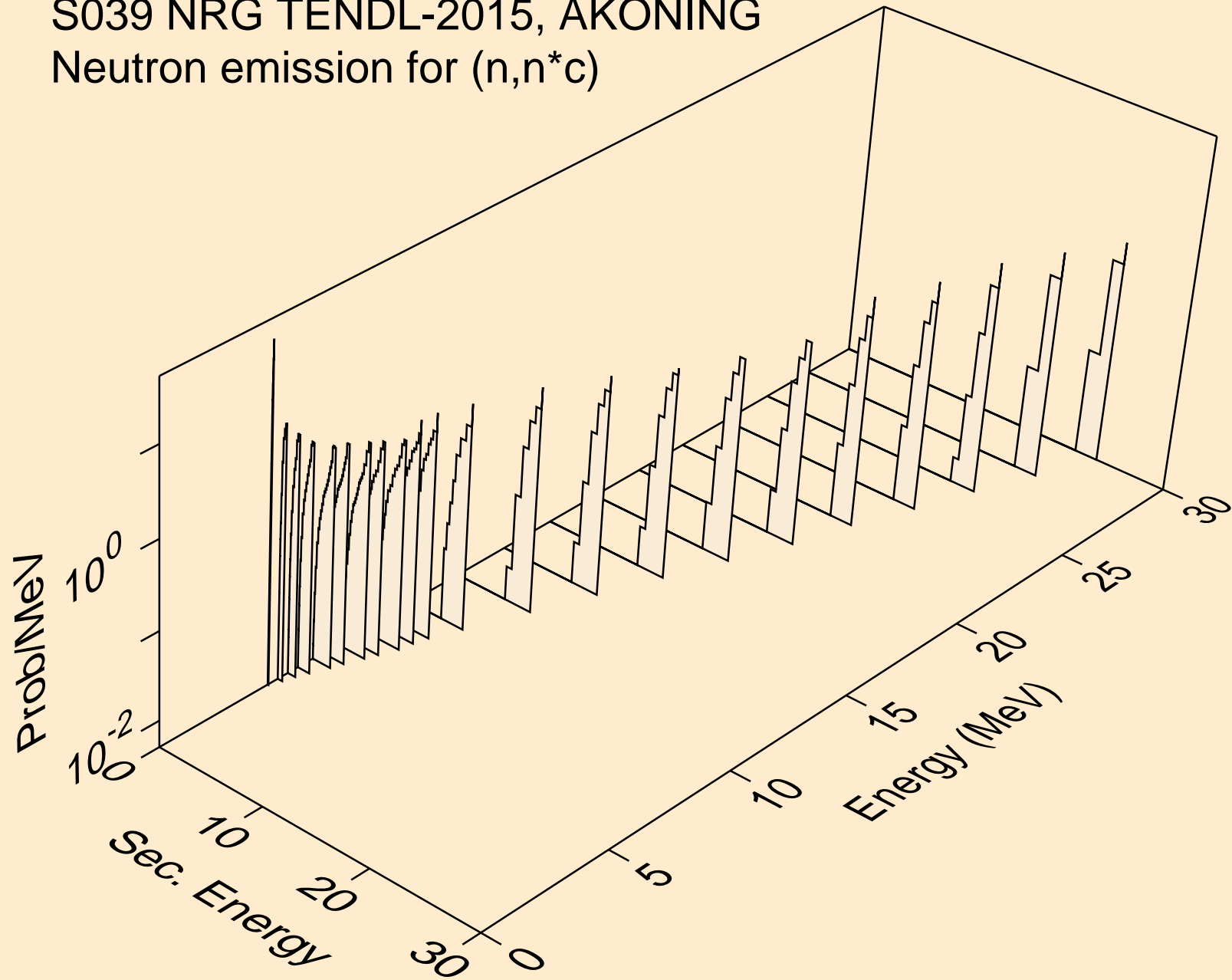
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



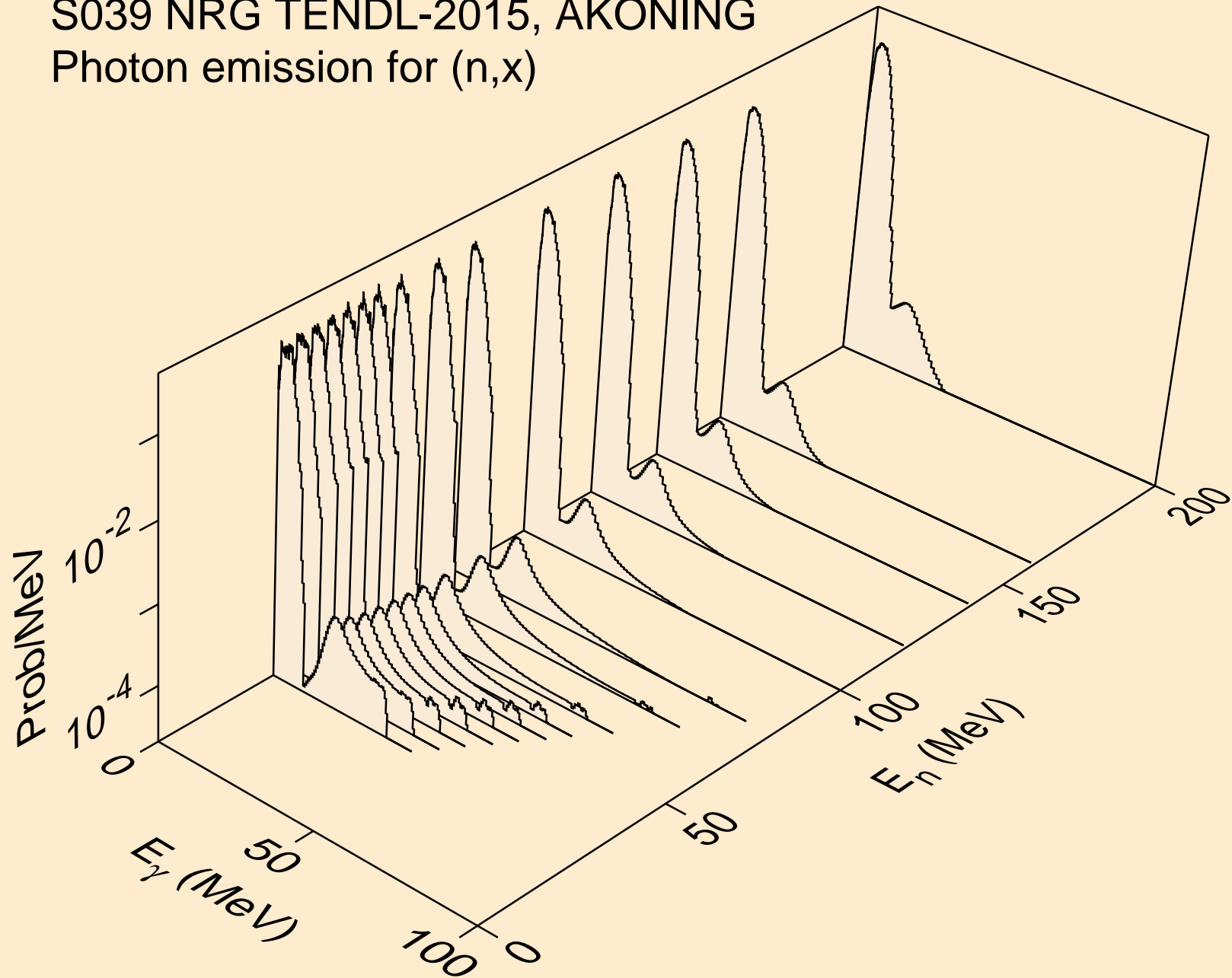
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



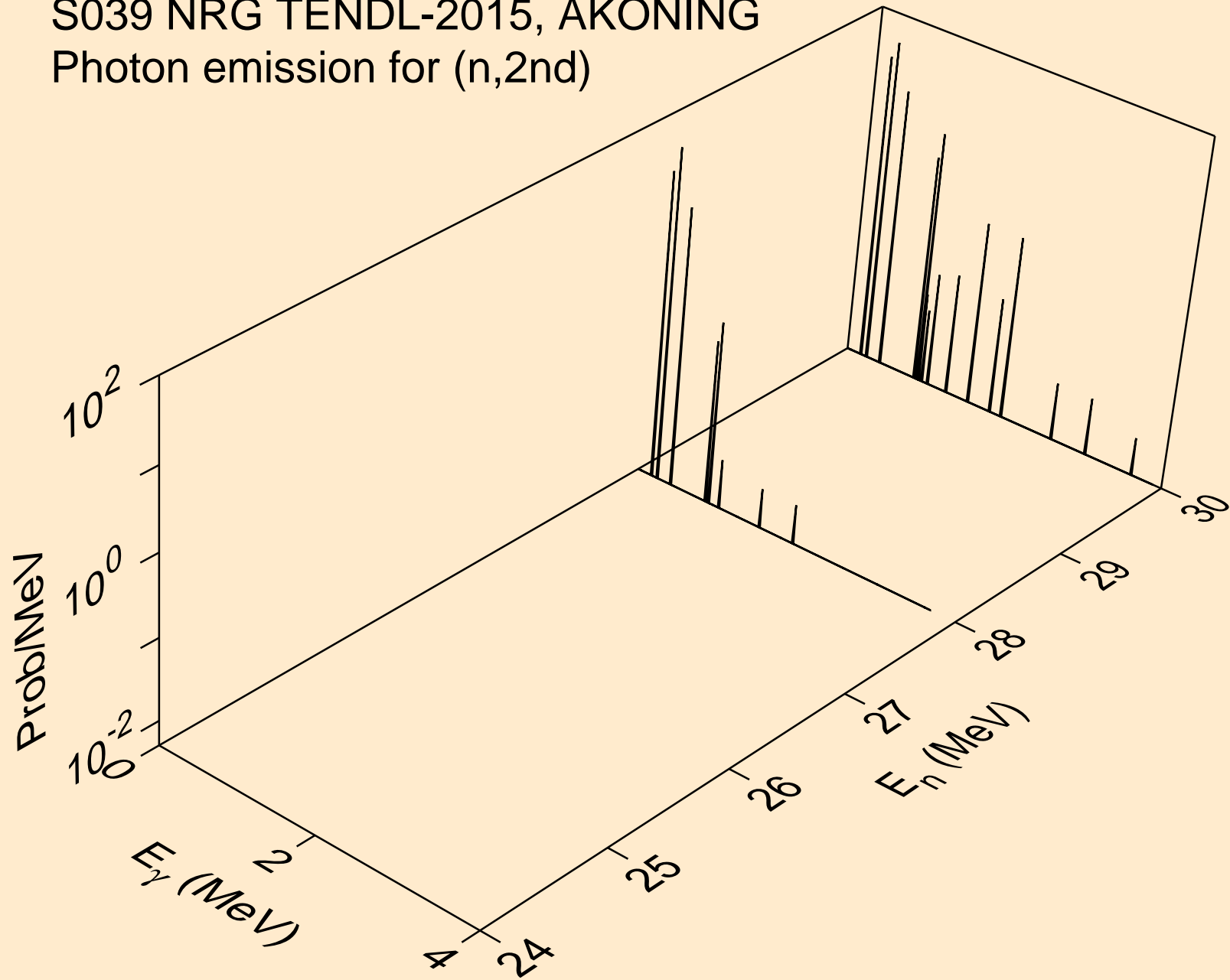
S039 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



S039 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

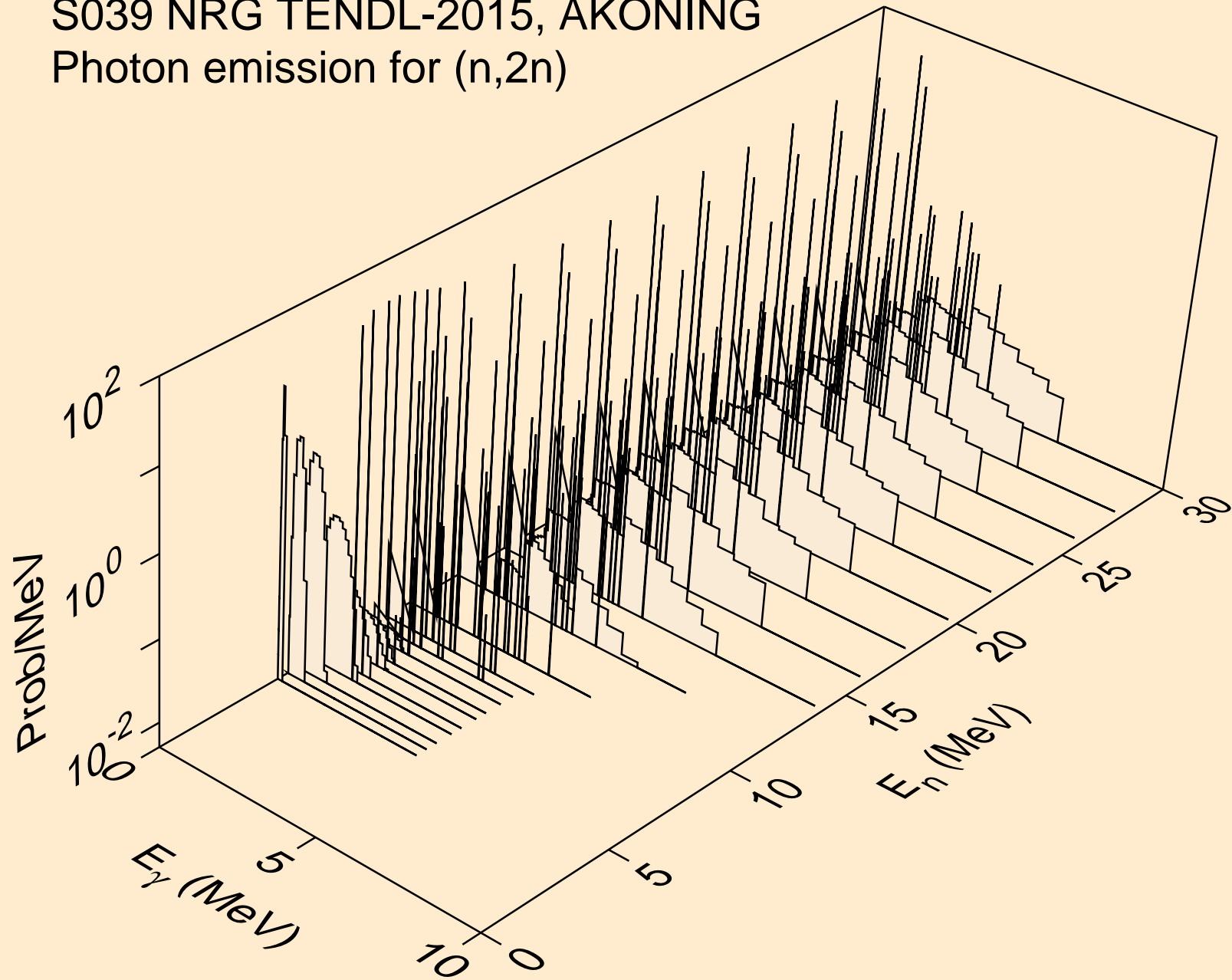


S039 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

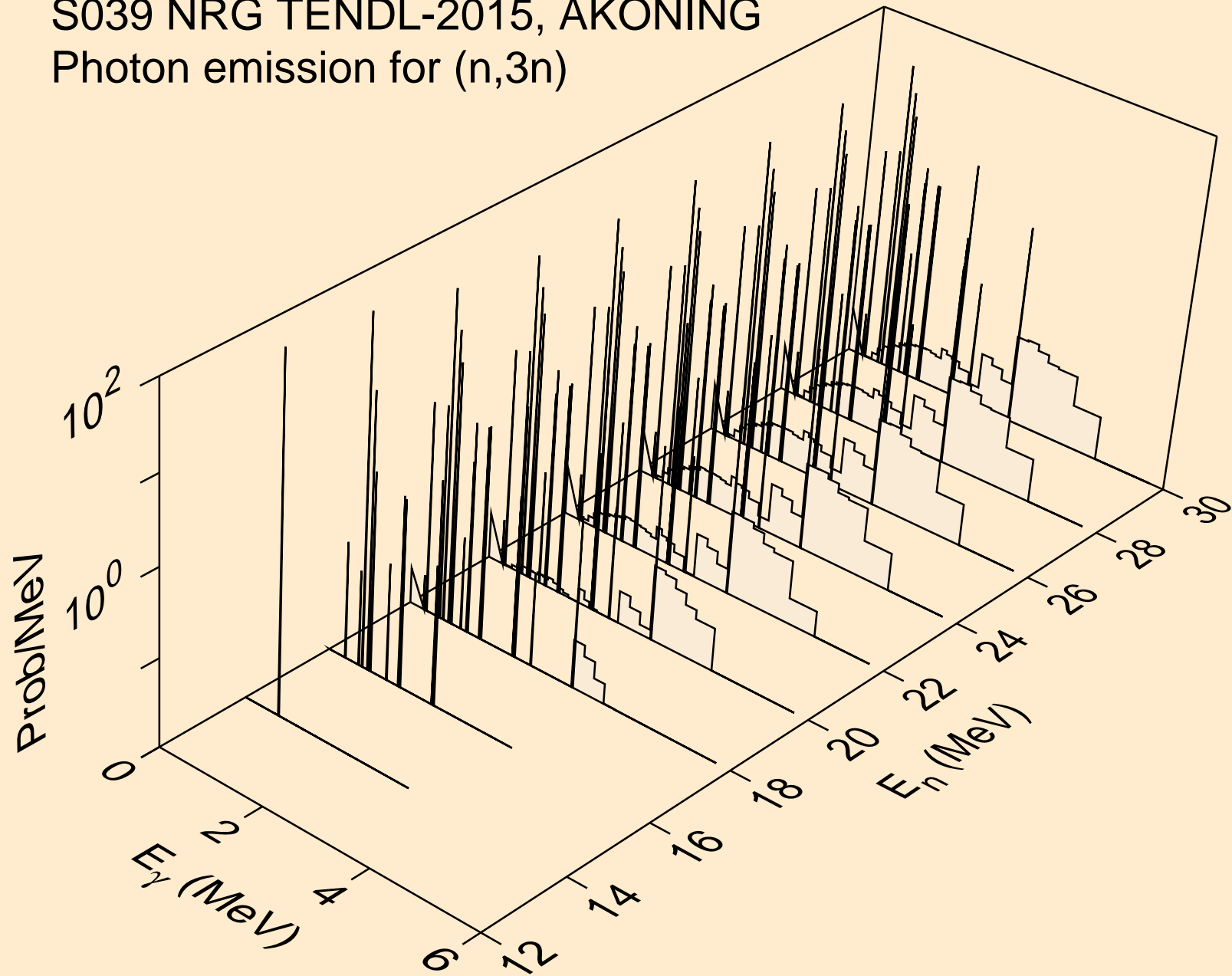




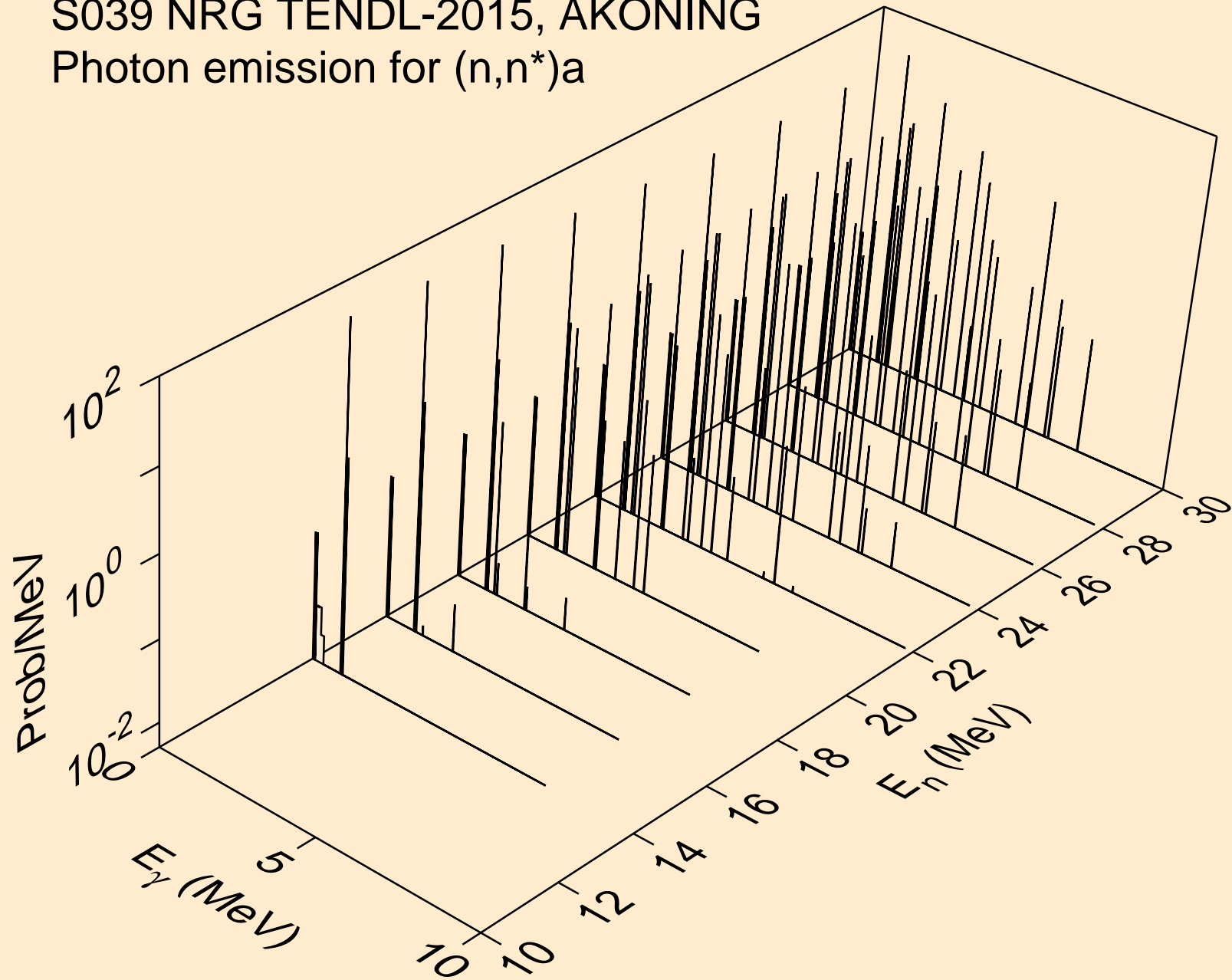
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



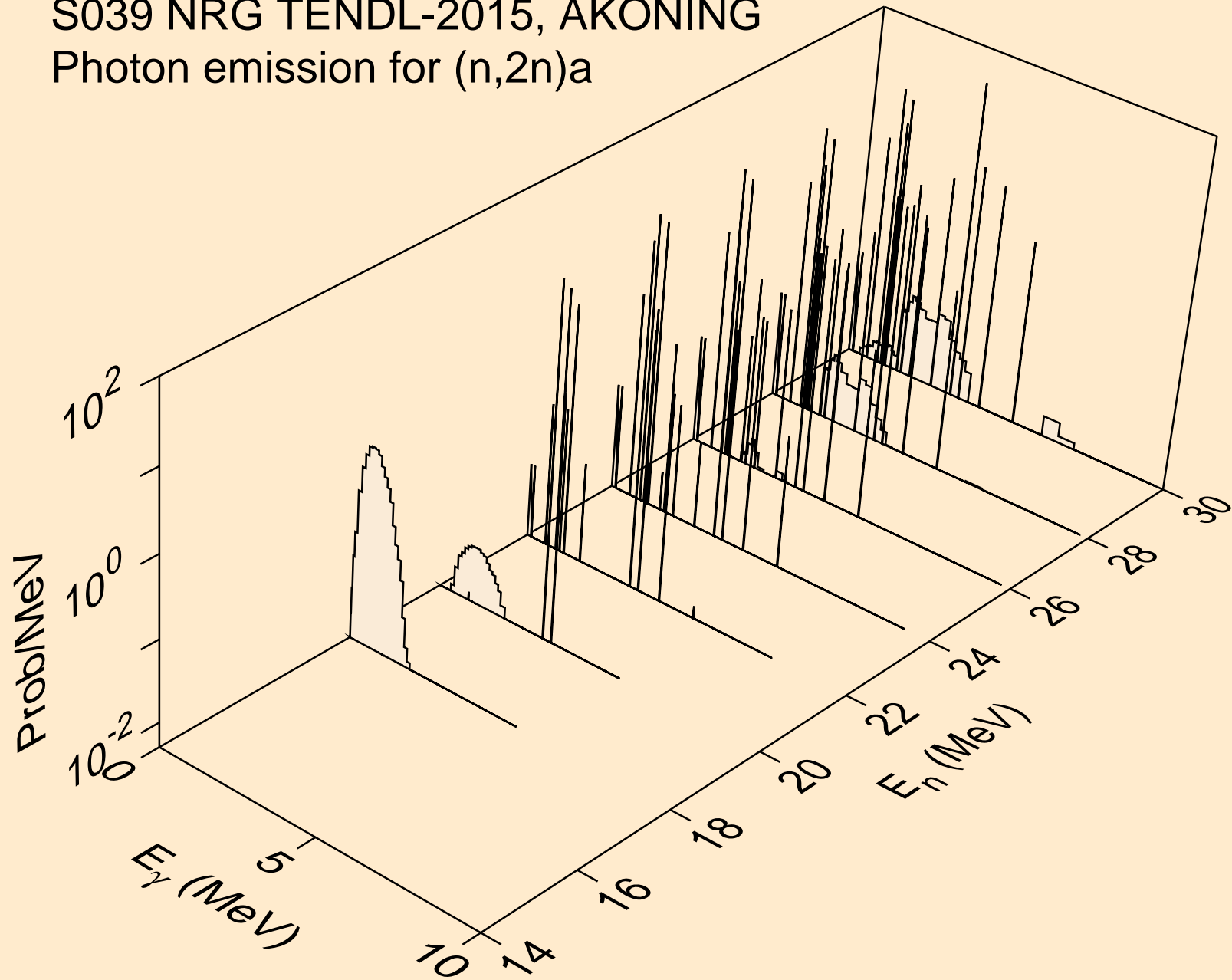
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



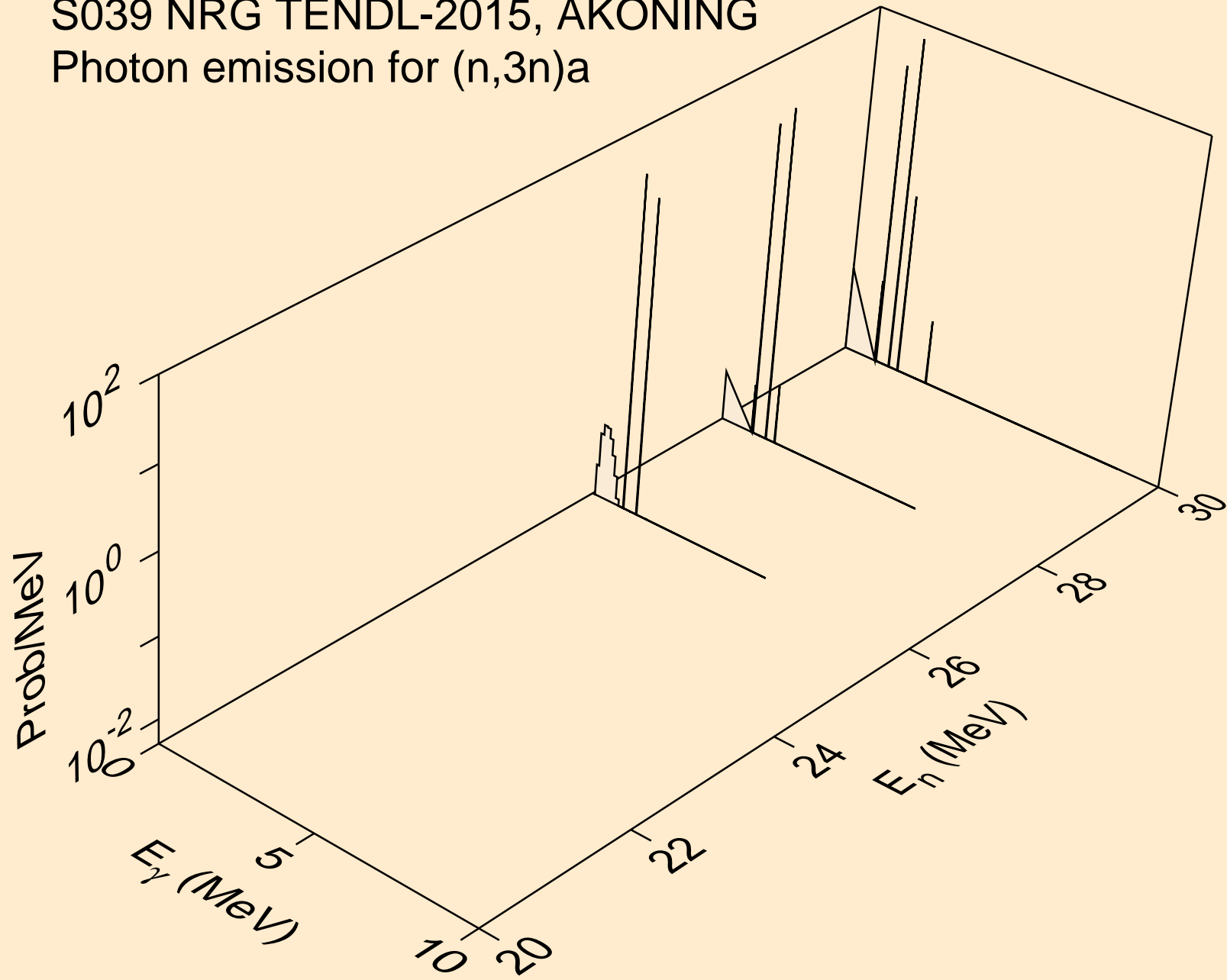
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



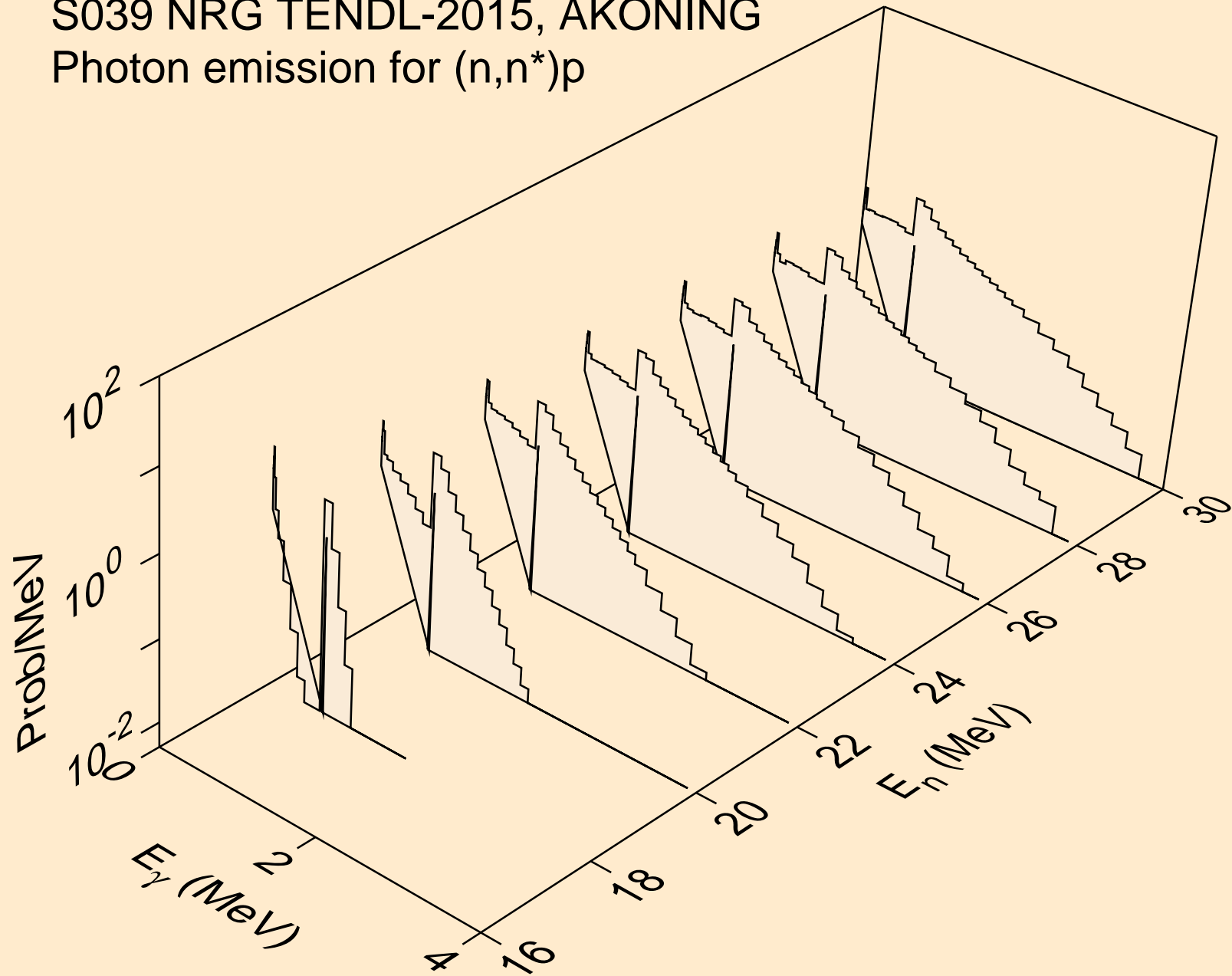
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



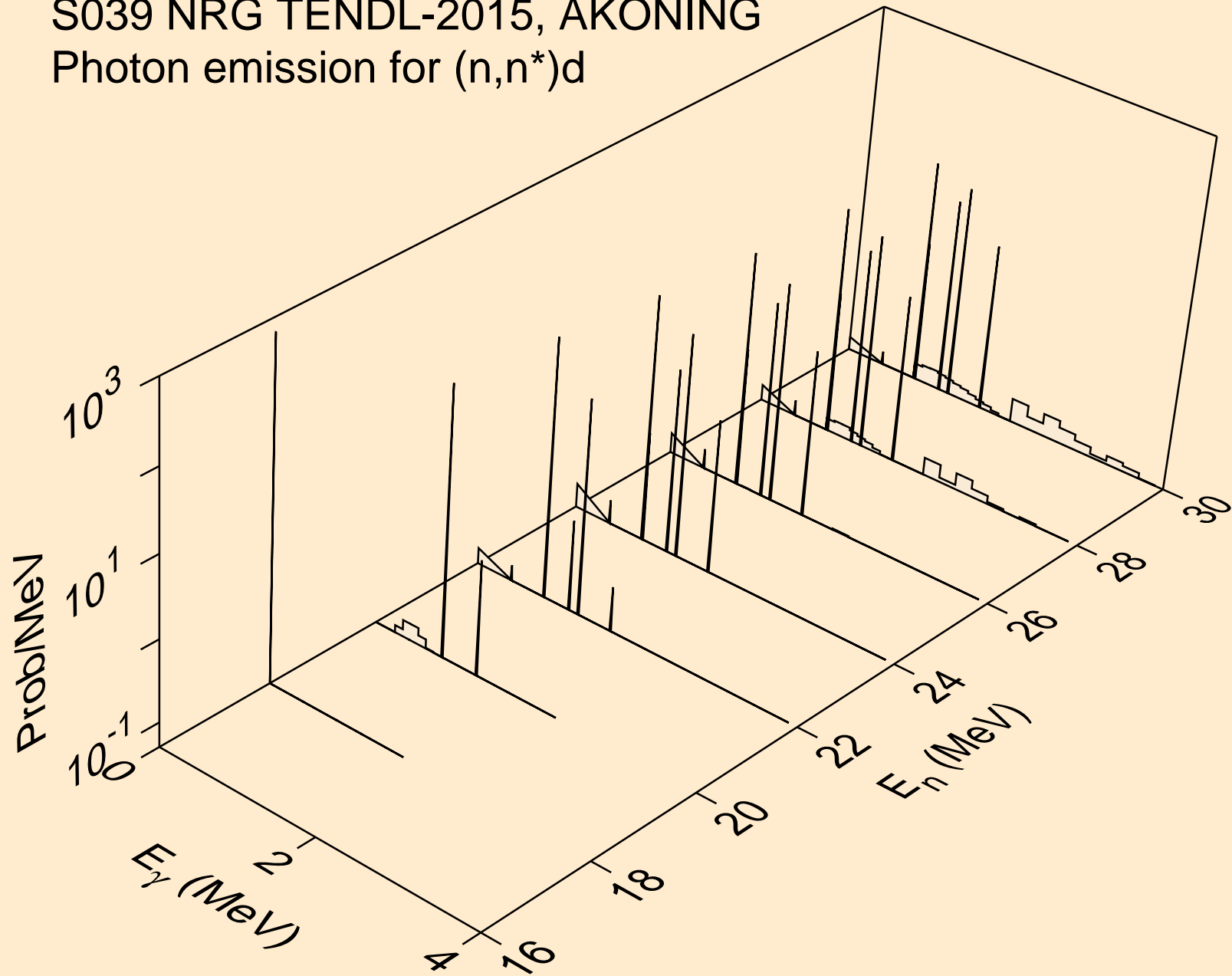
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



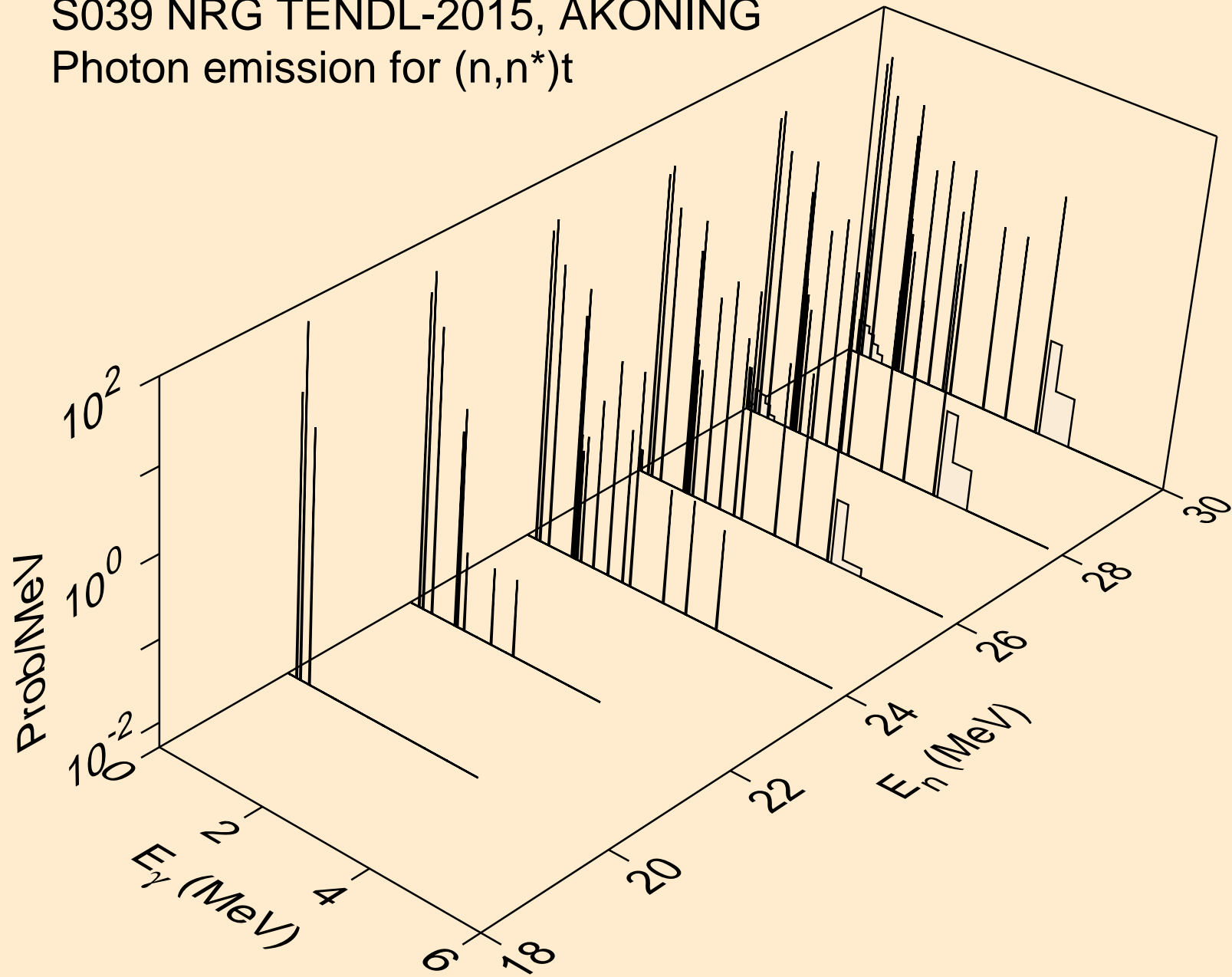
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



S039 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

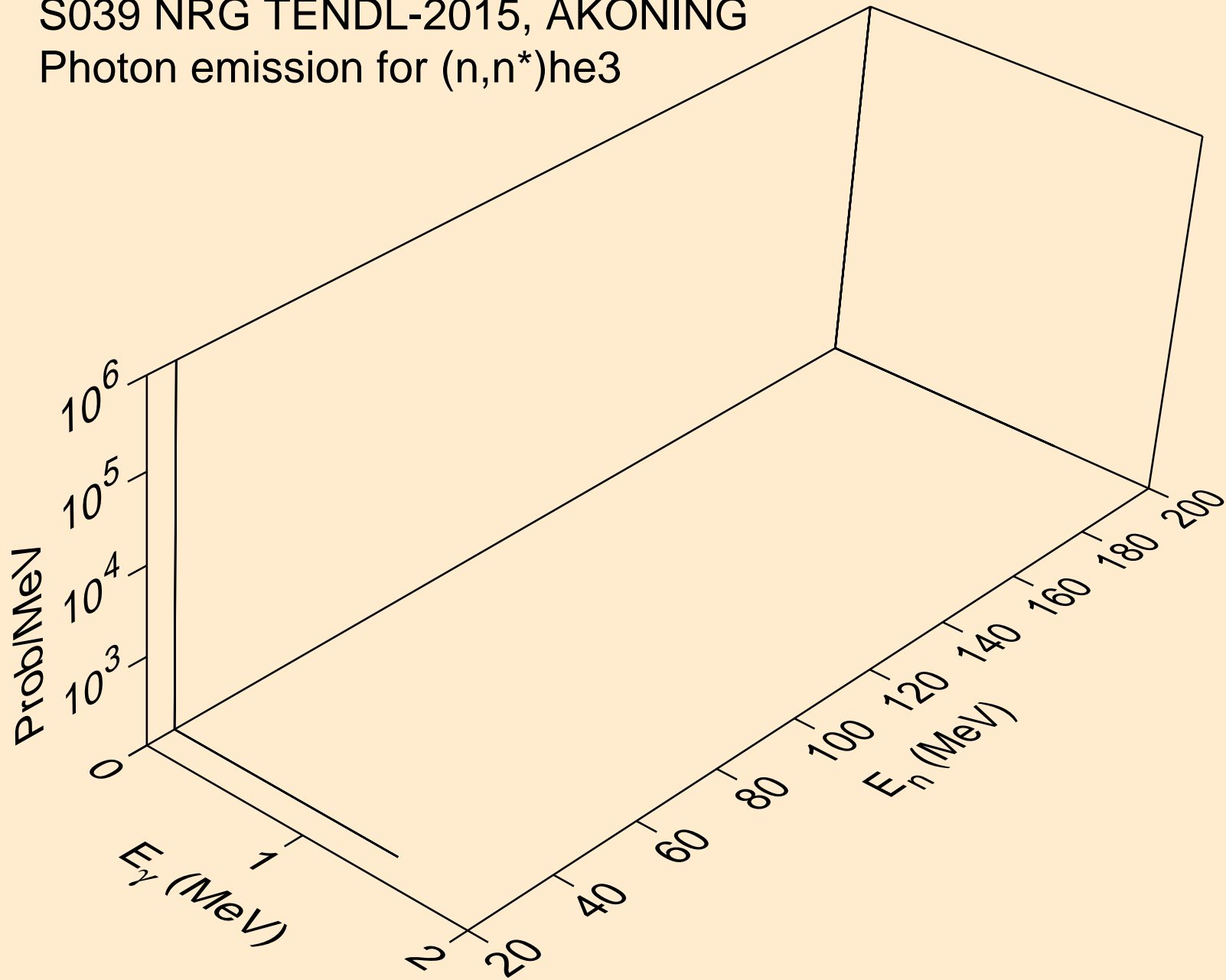


S039 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

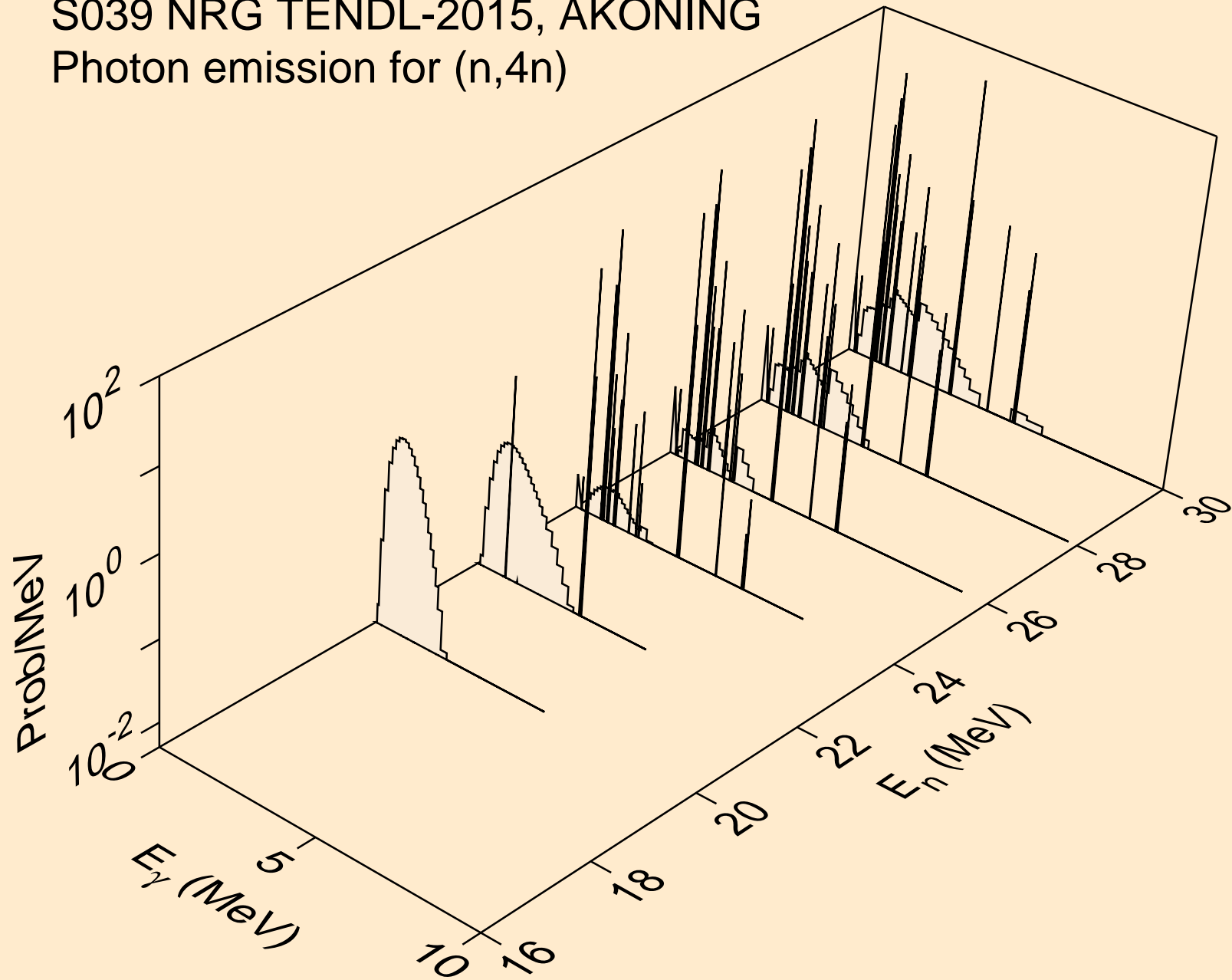




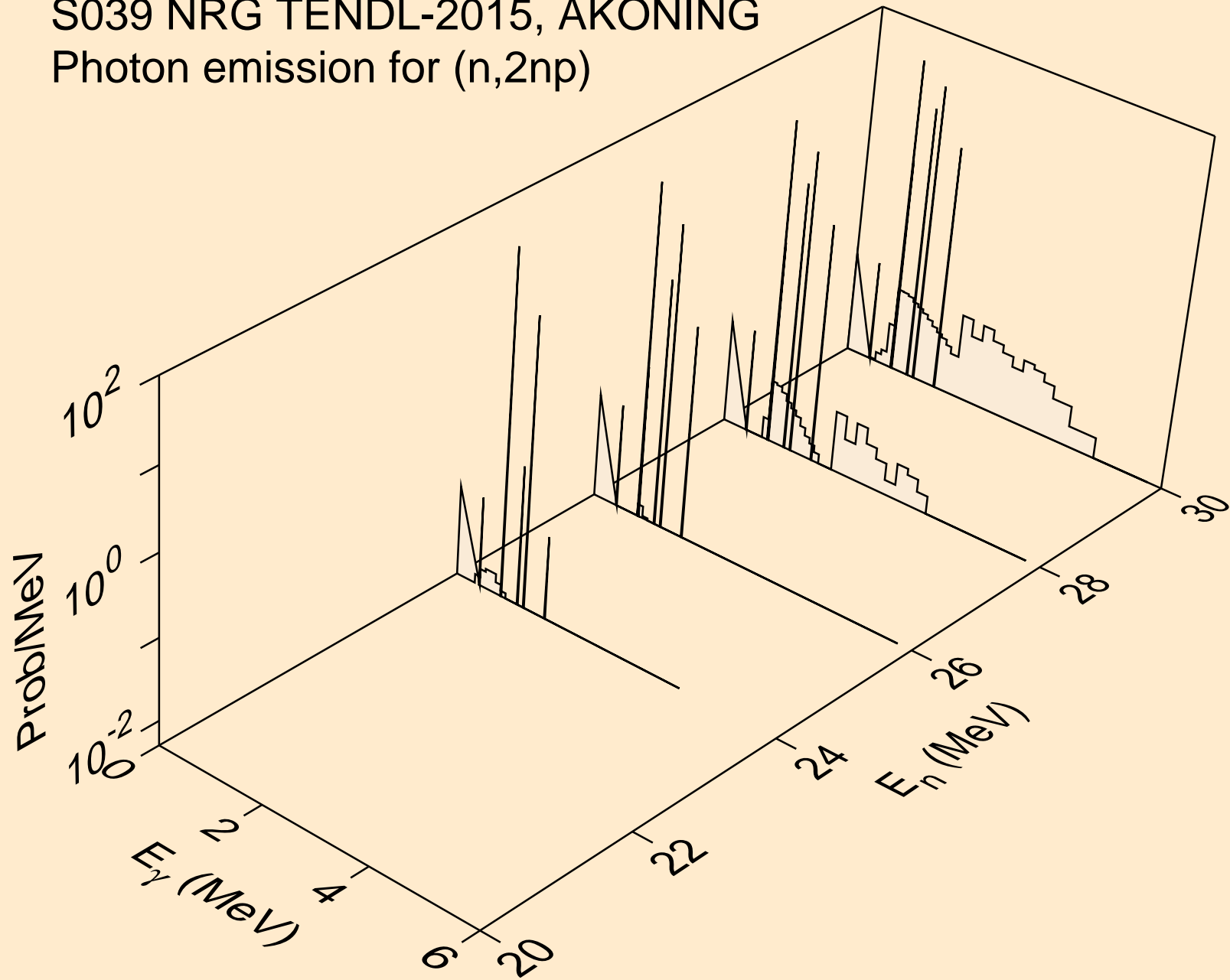
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



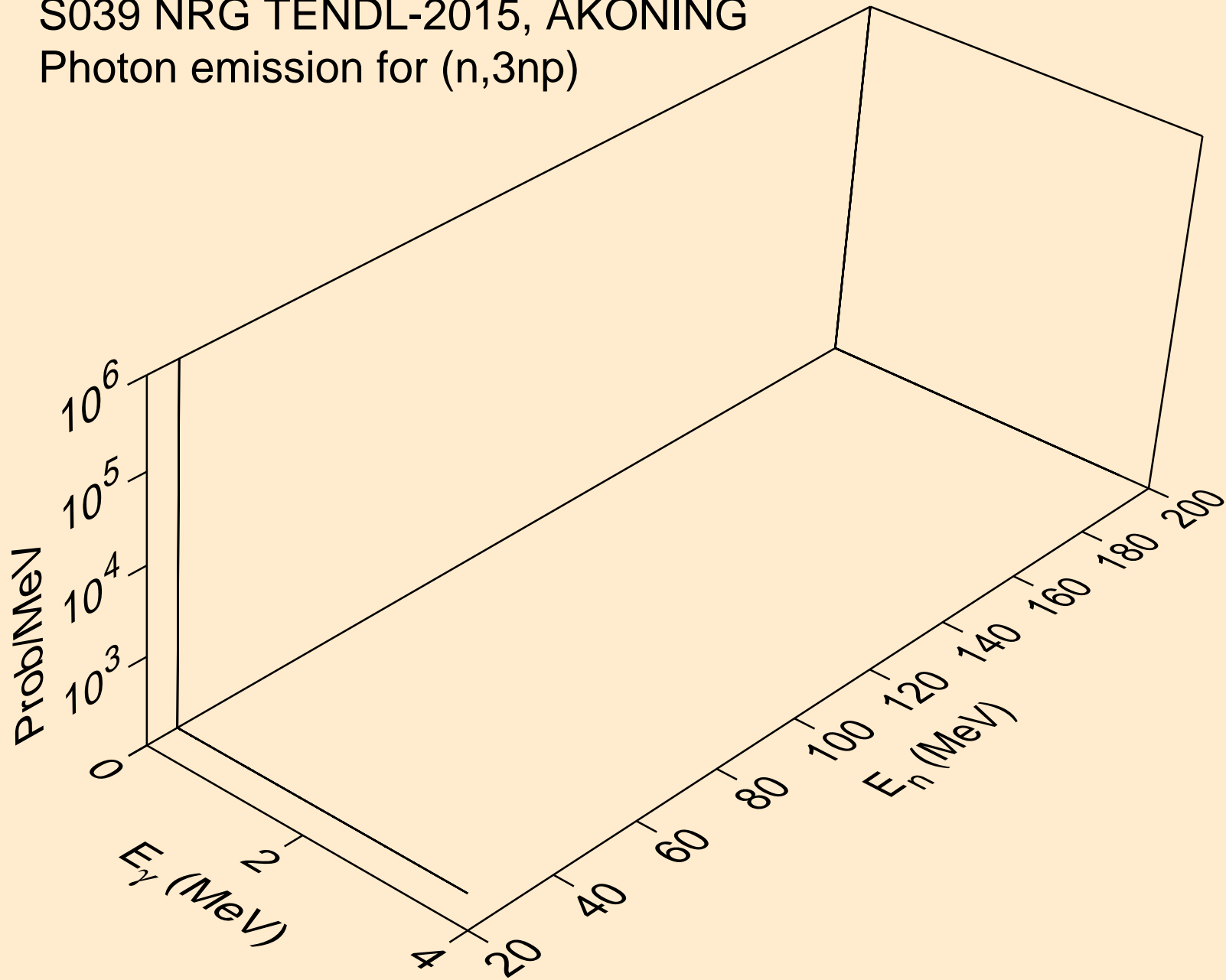
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



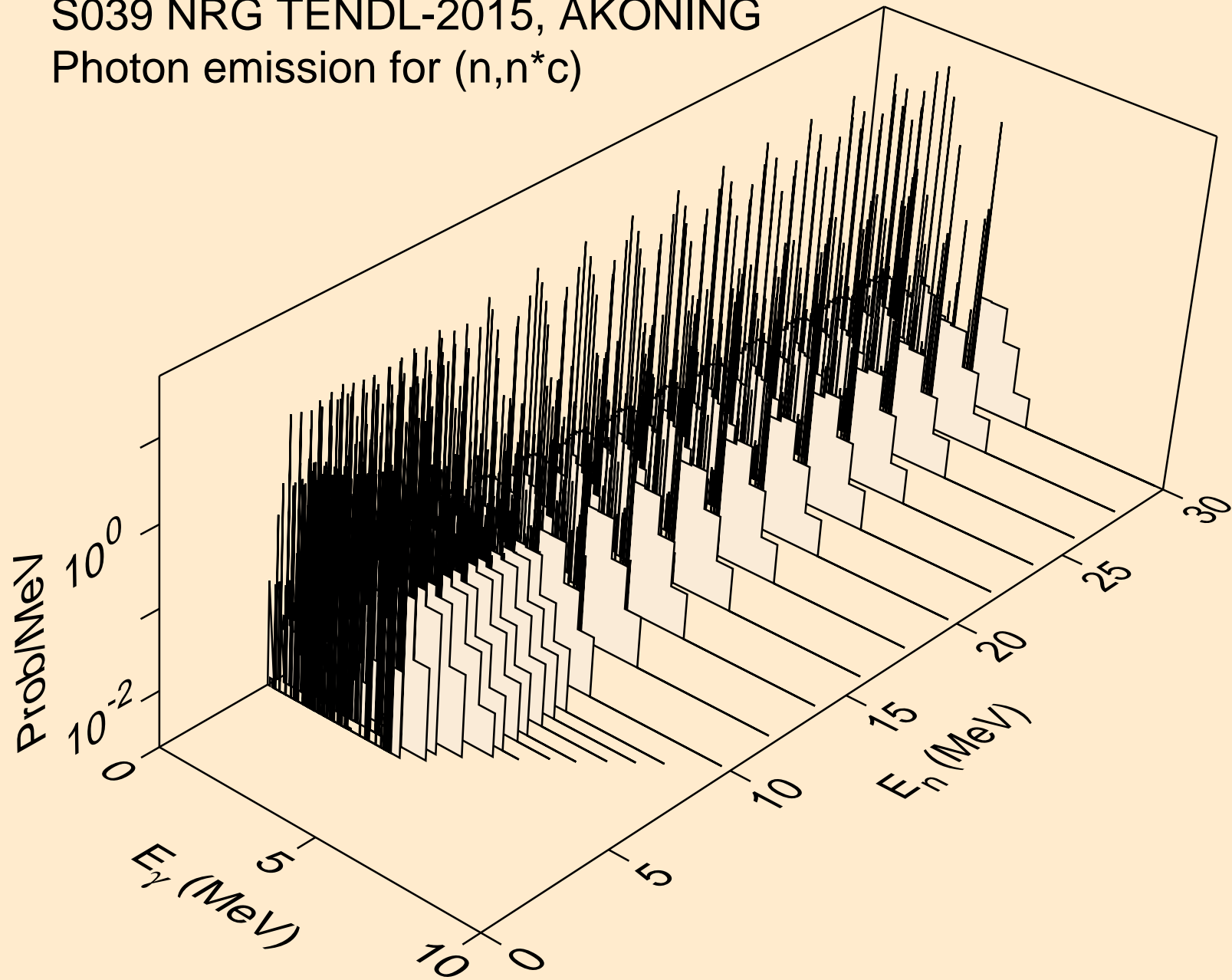
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



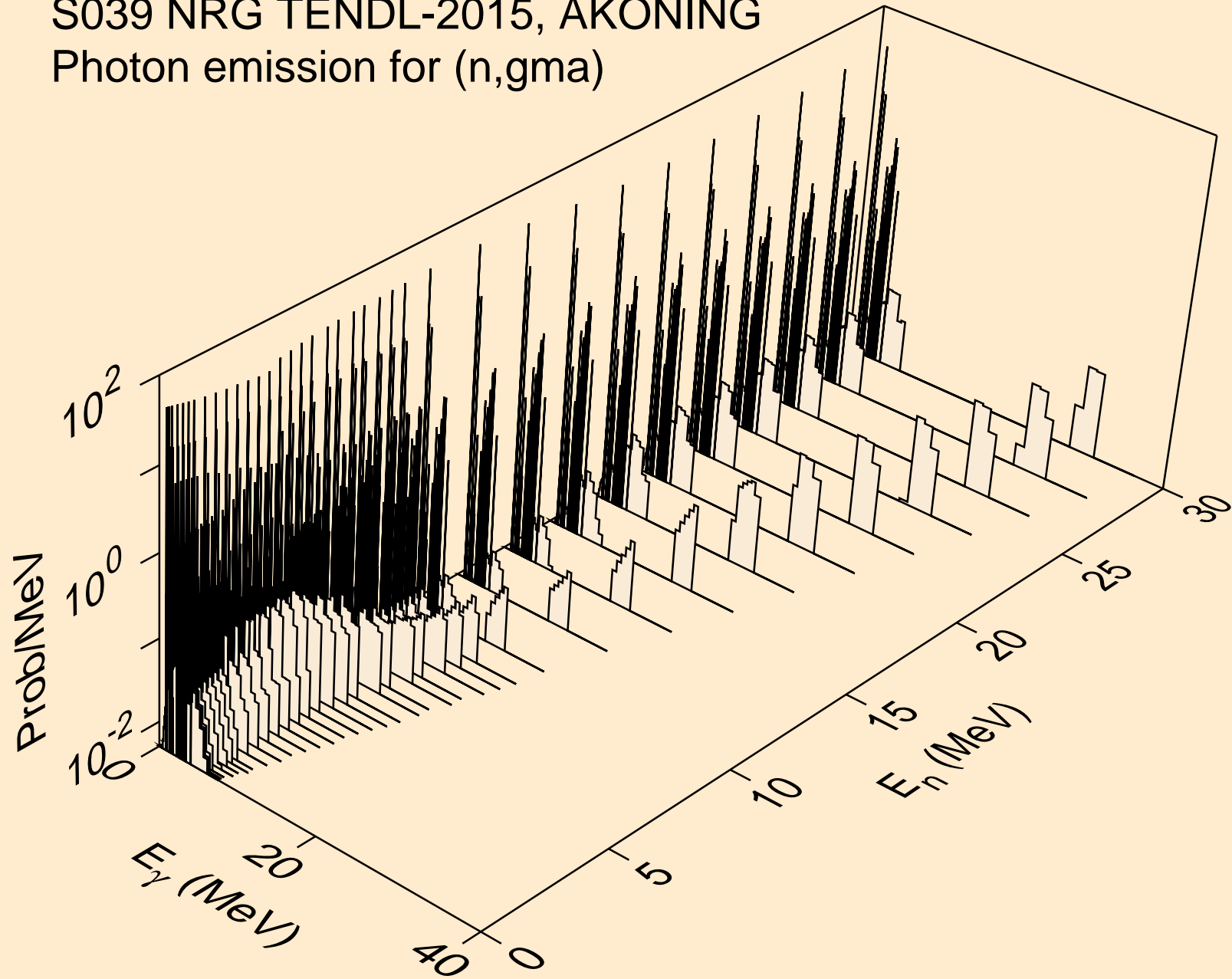
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



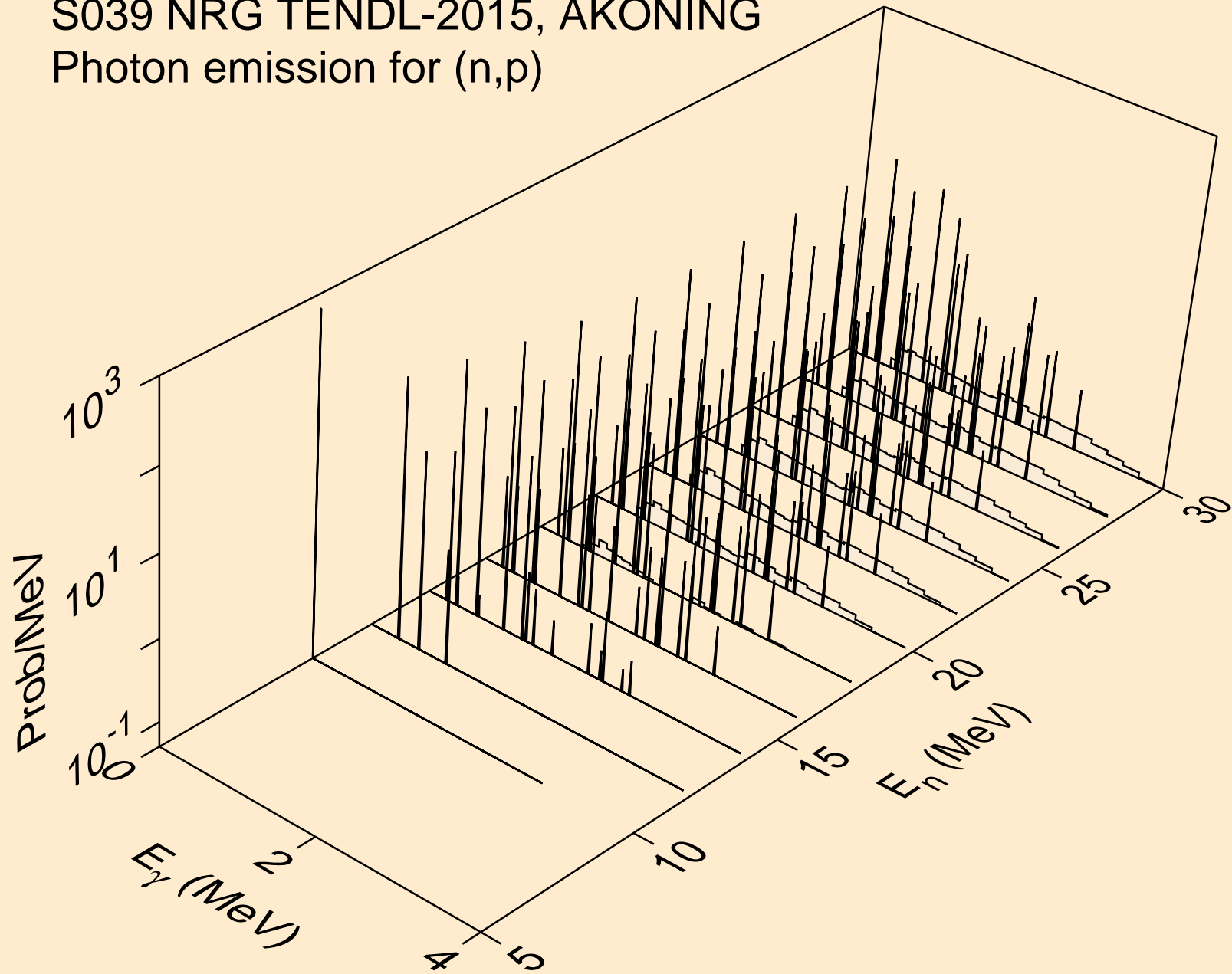
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



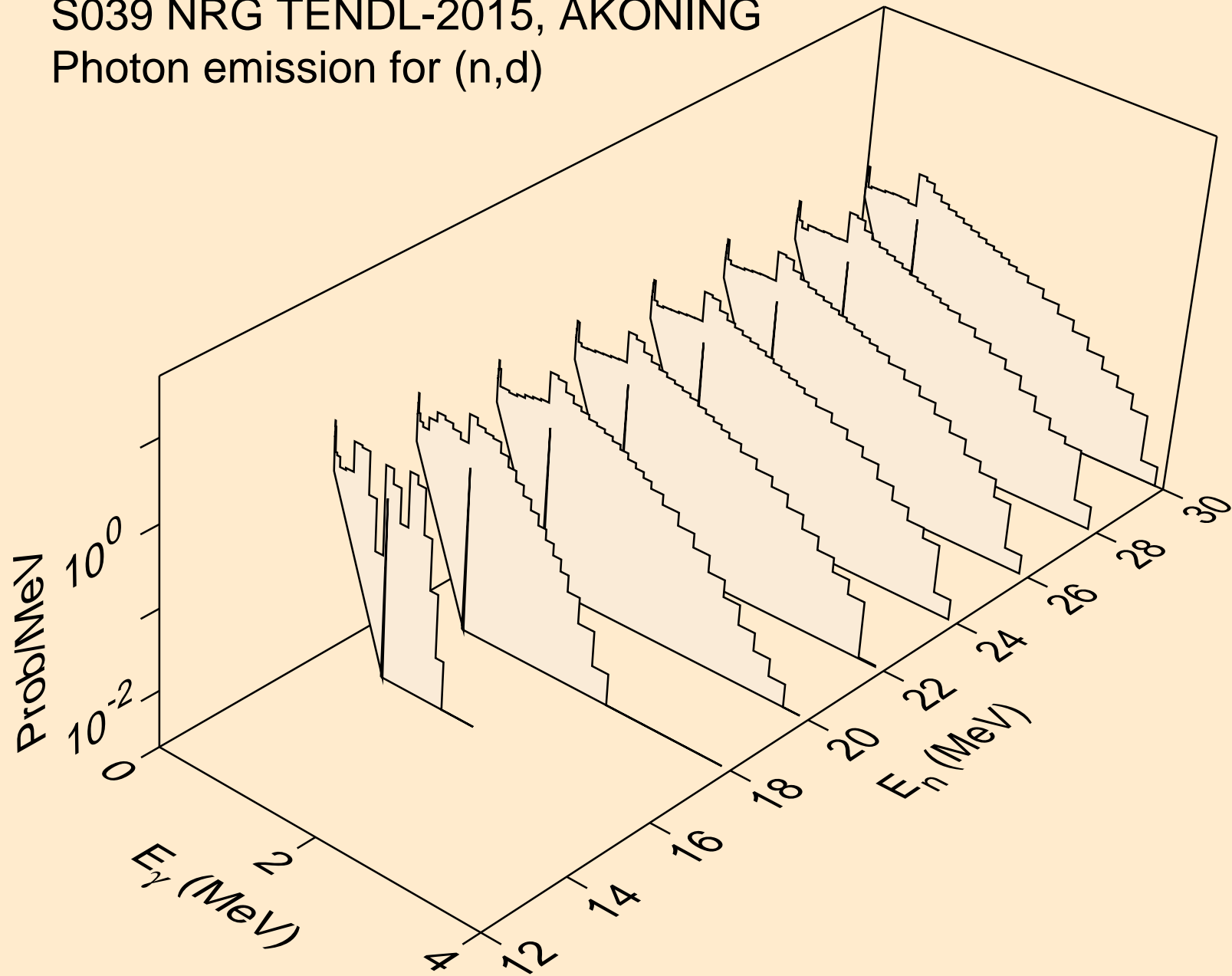
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



S039 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

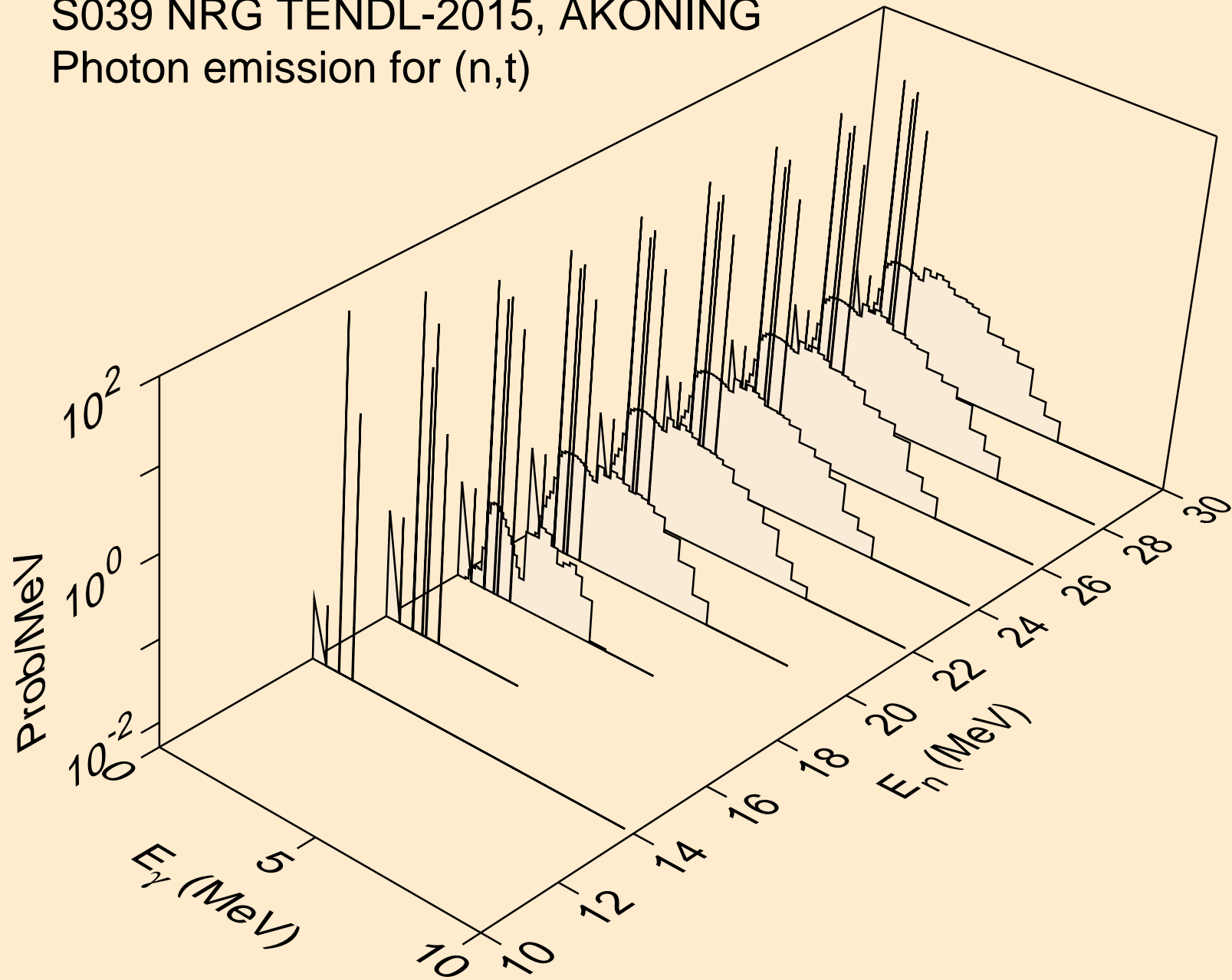


S039 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

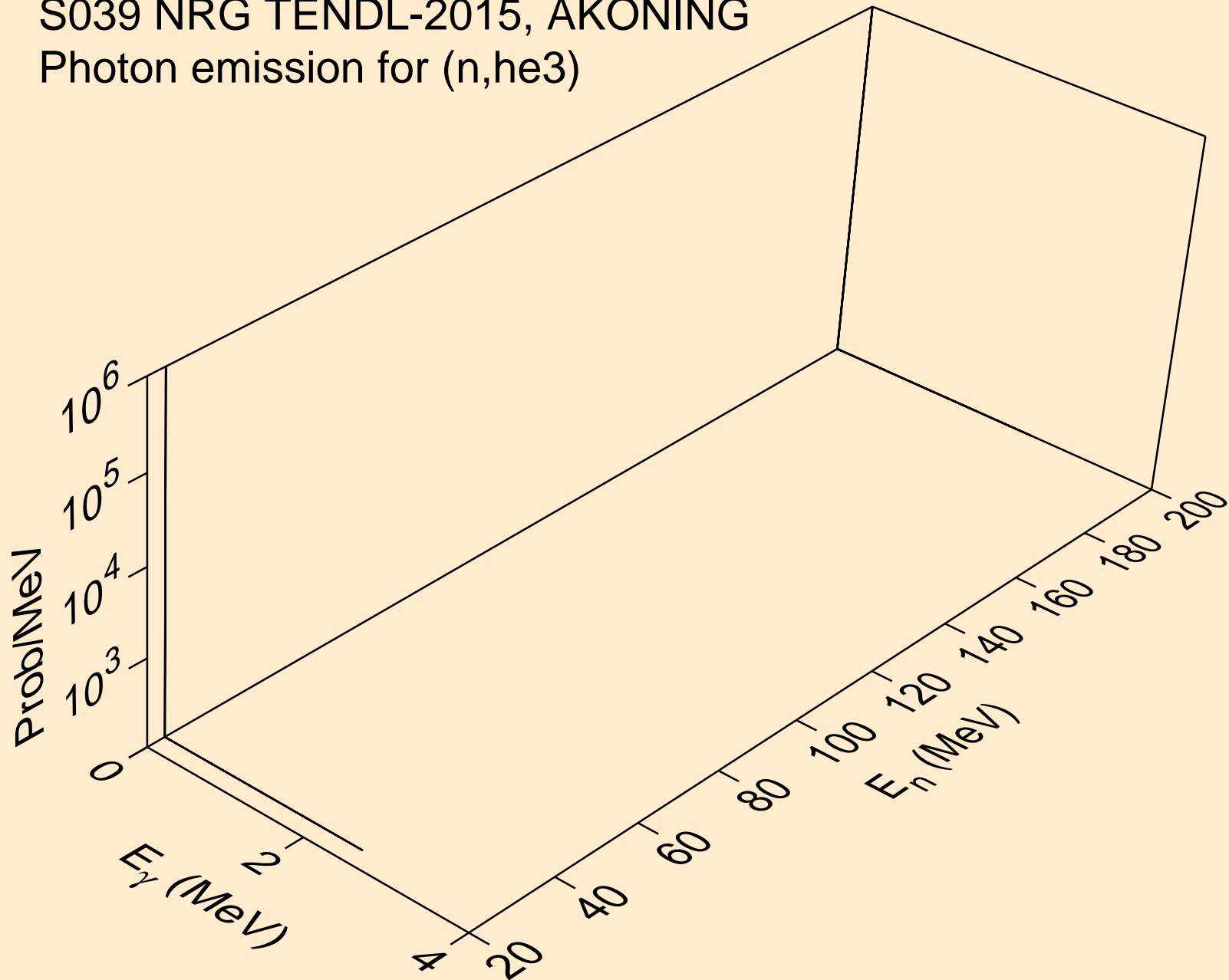




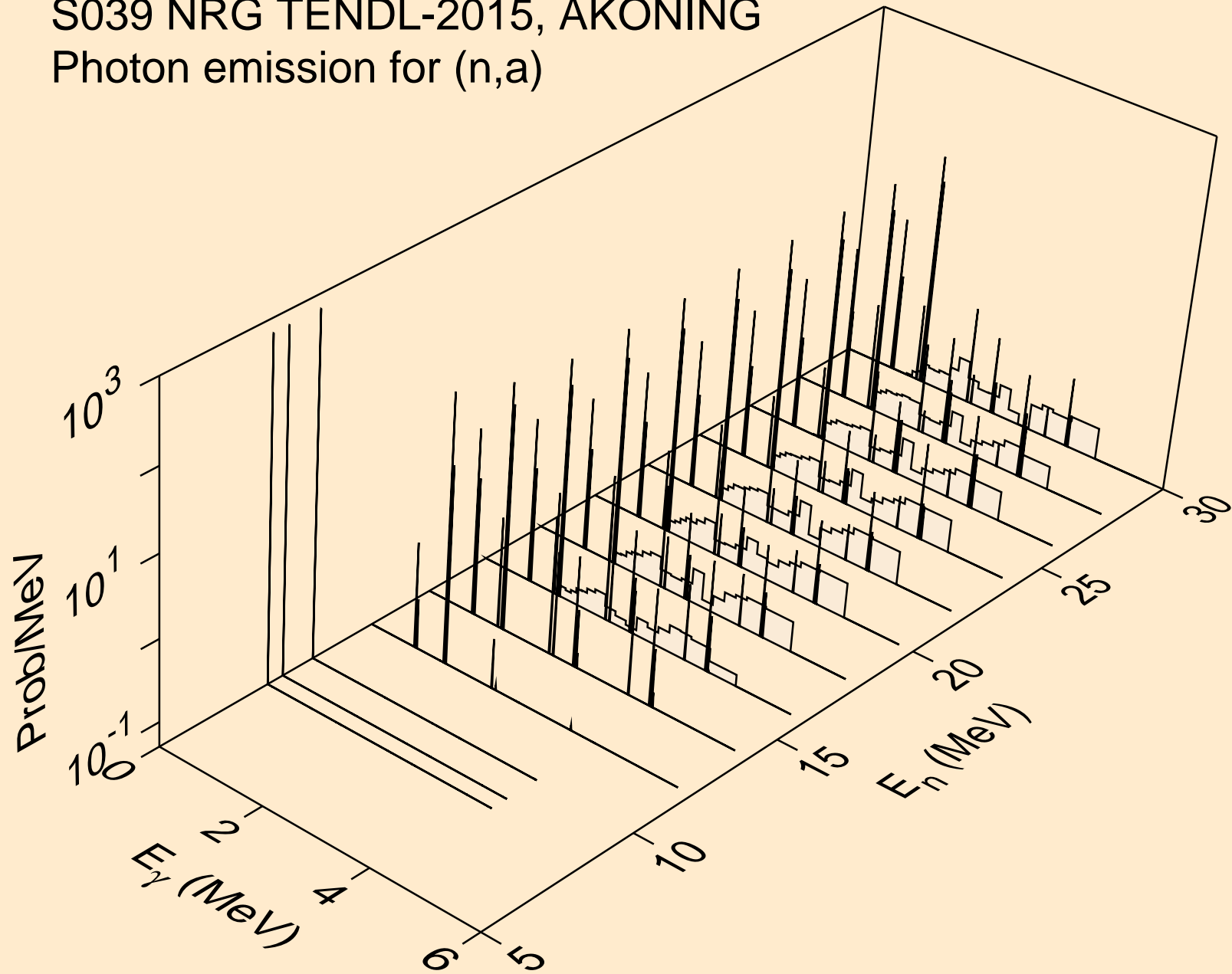
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



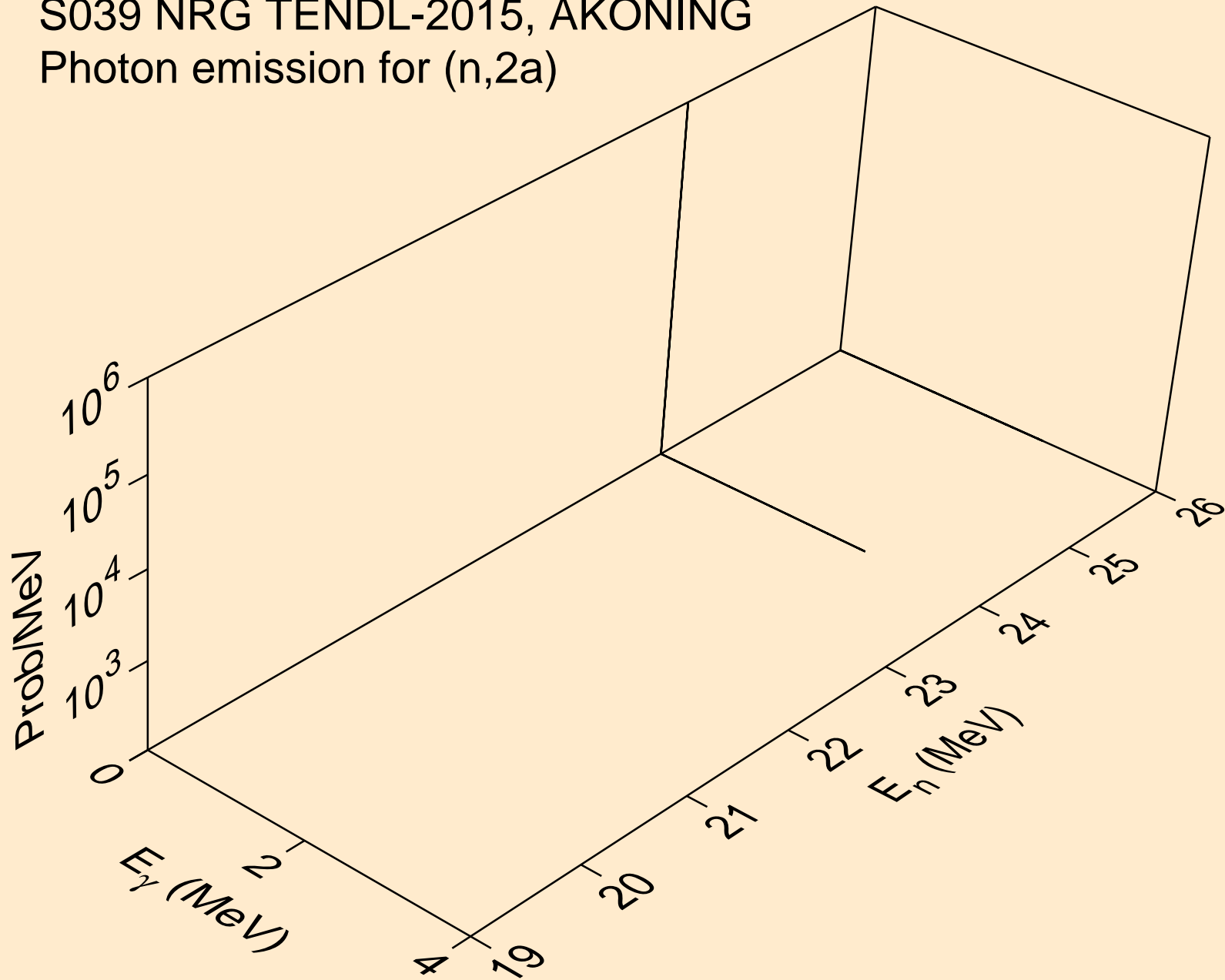
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



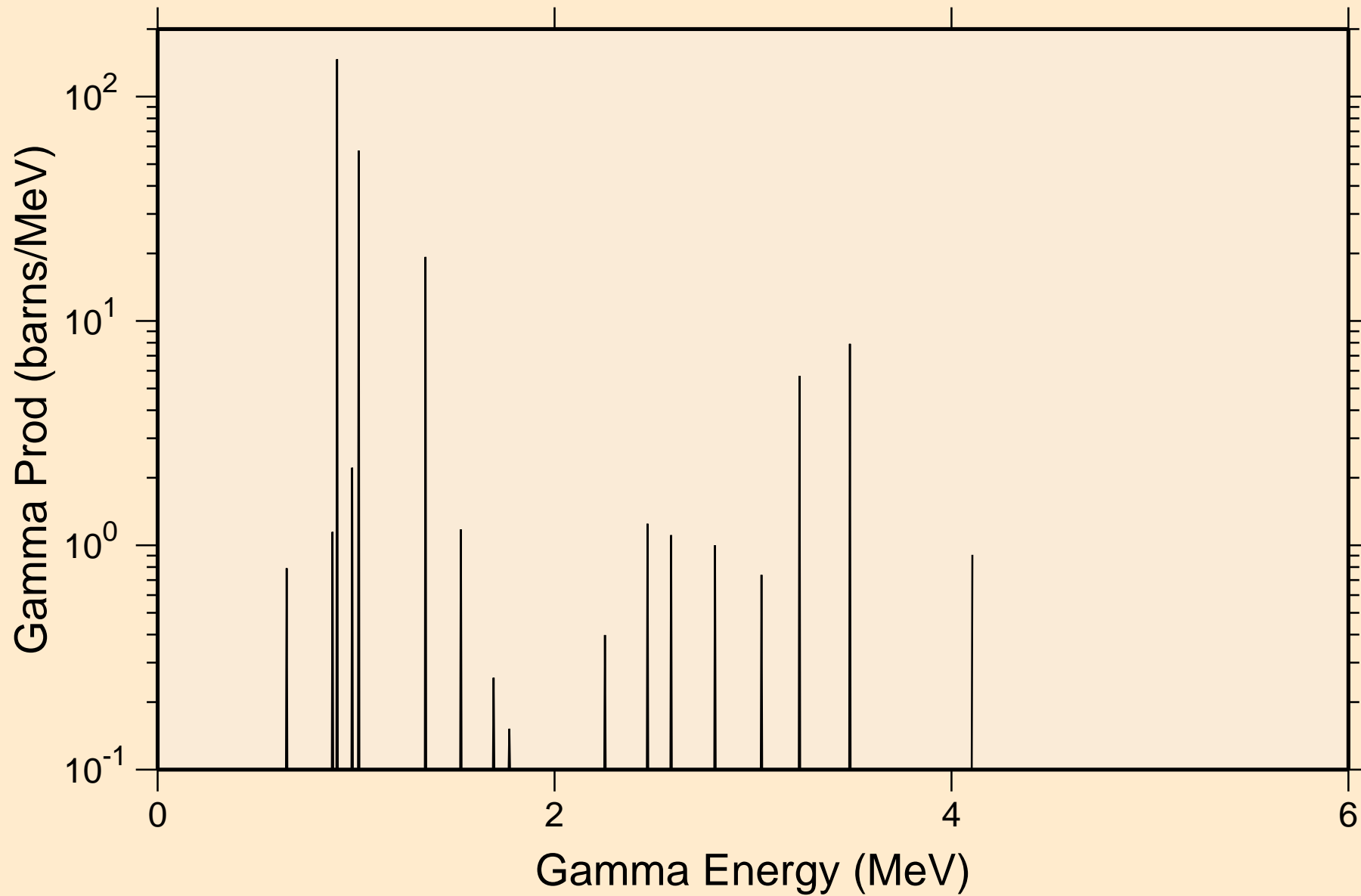
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



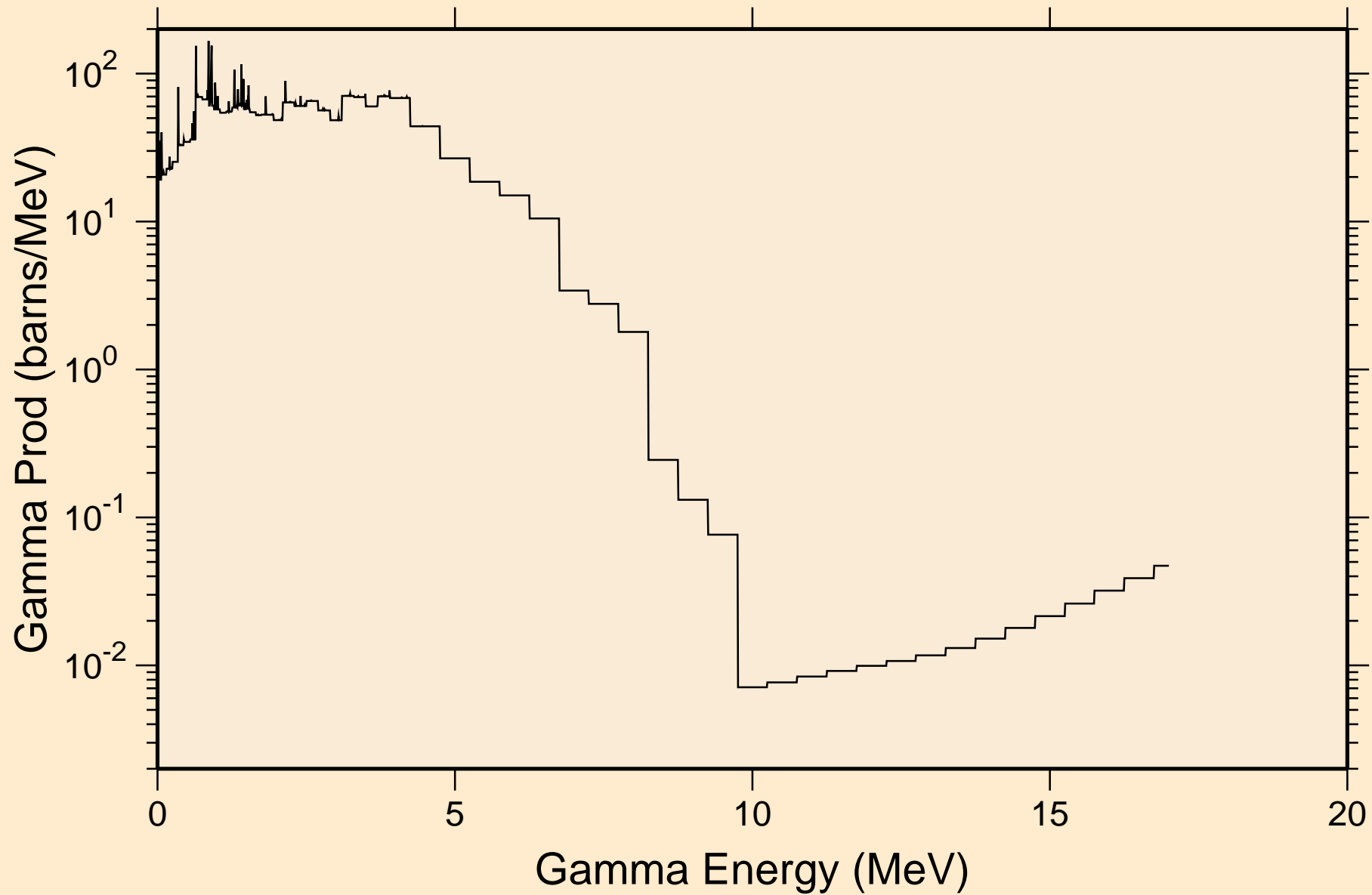
S039 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



S039 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

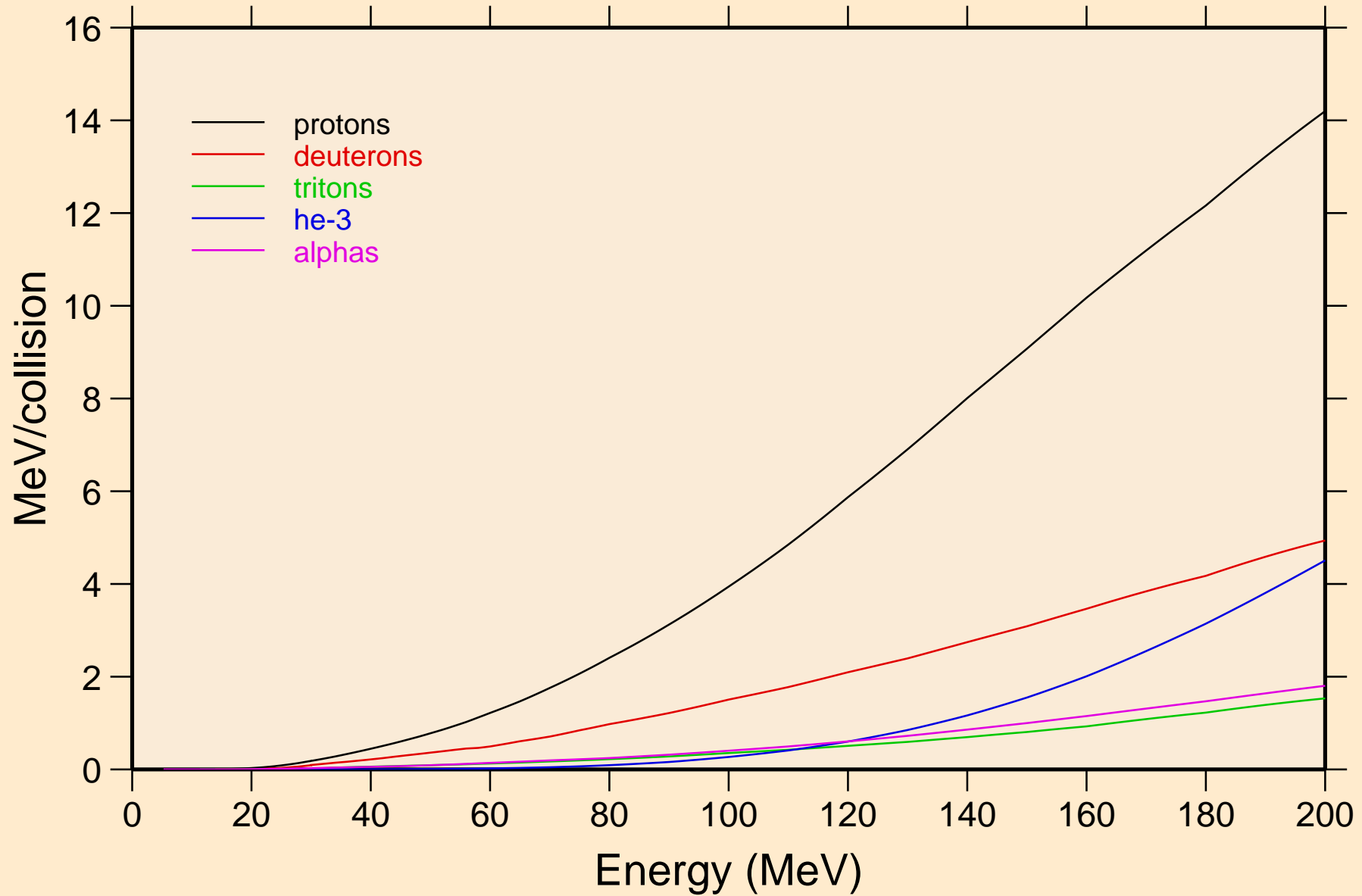


S039 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



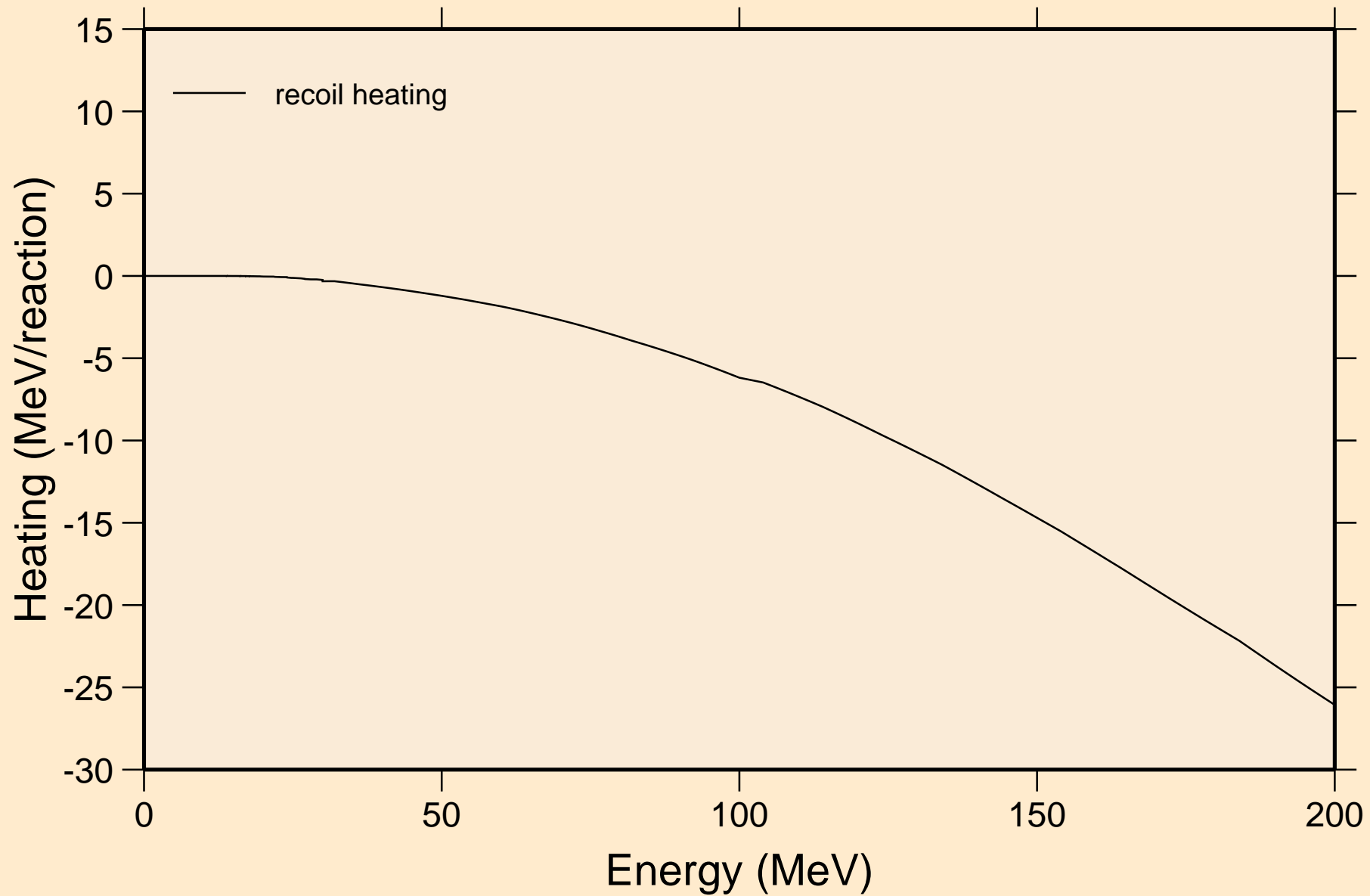
# S039 NRG TENDL-2015, AKONING

## Particle heating contributions



# S039 NRG TENDL-2015, AKONING

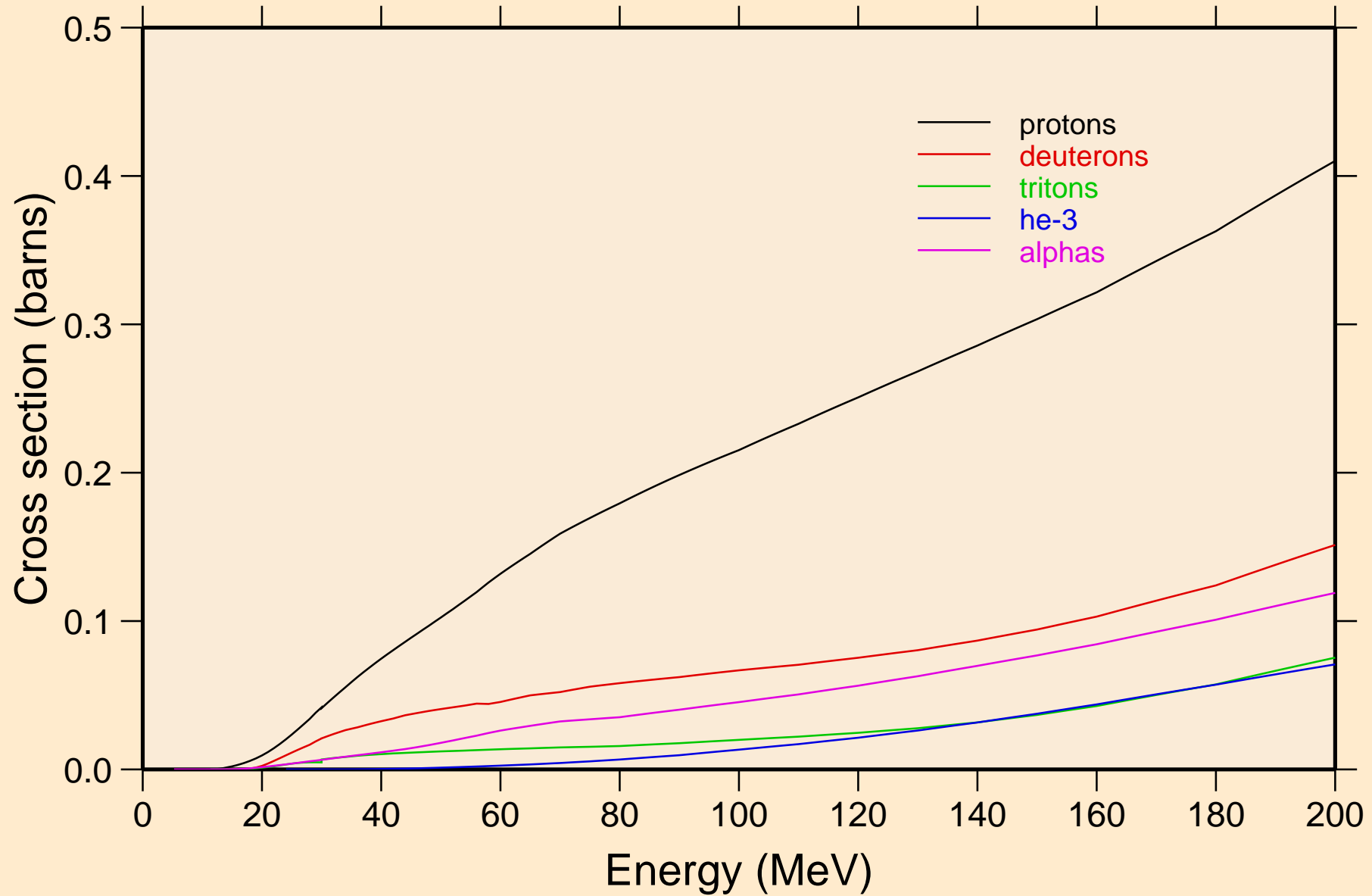
## Recoil Heating



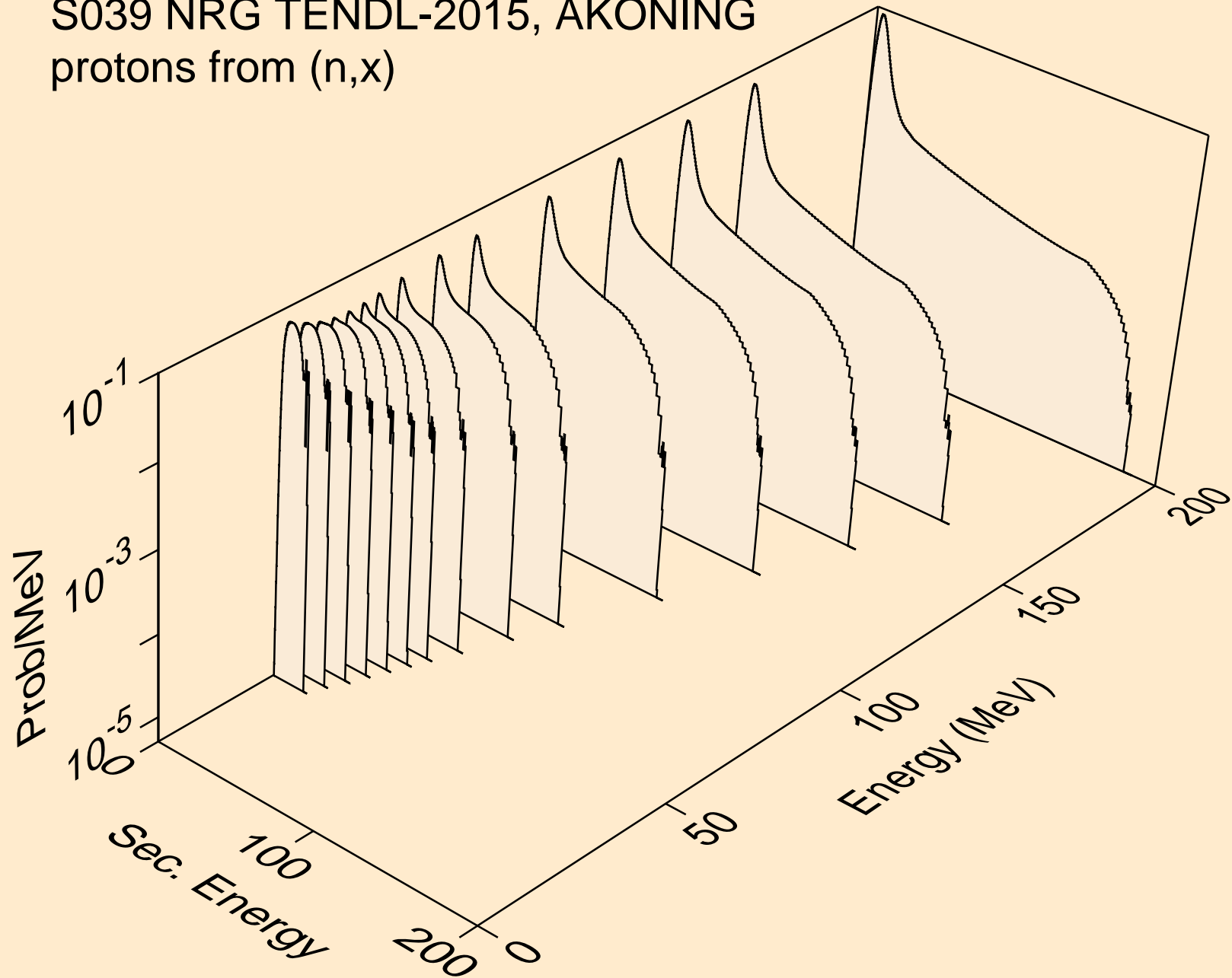


# S039 NRG TENDL-2015, AKONING

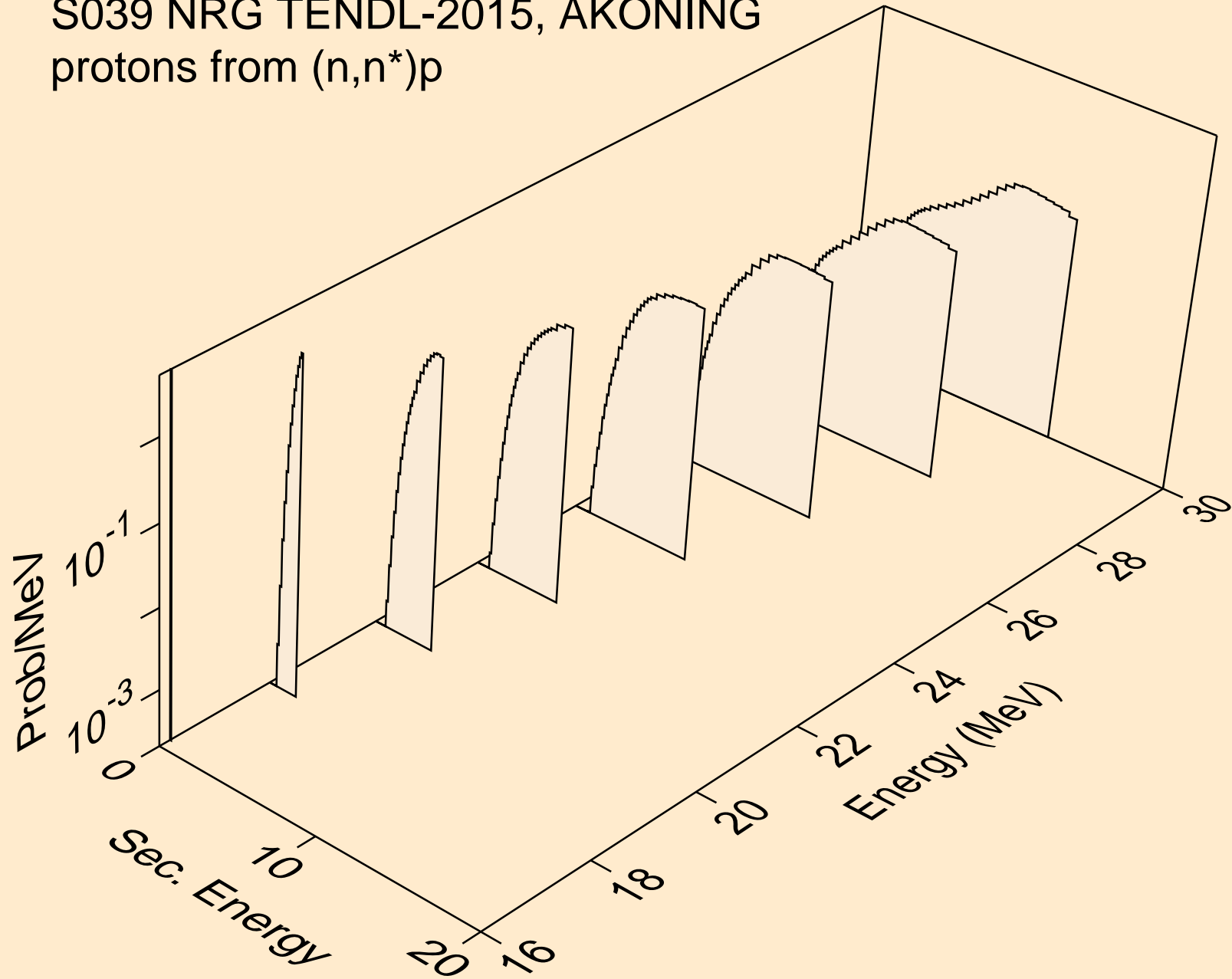
## Particle production cross sections



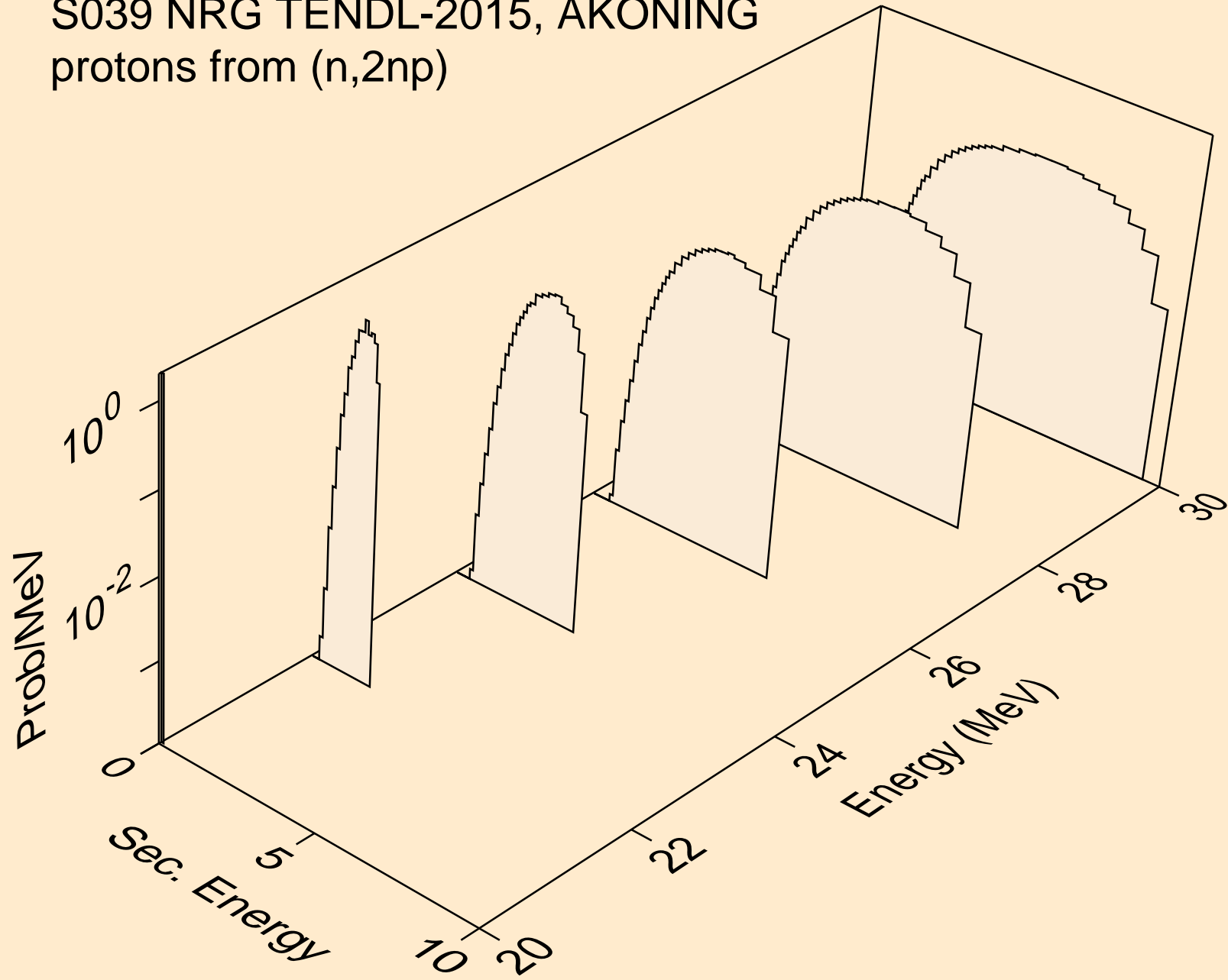
S039 NRG TENDL-2015, AKONING  
protons from (n,x)



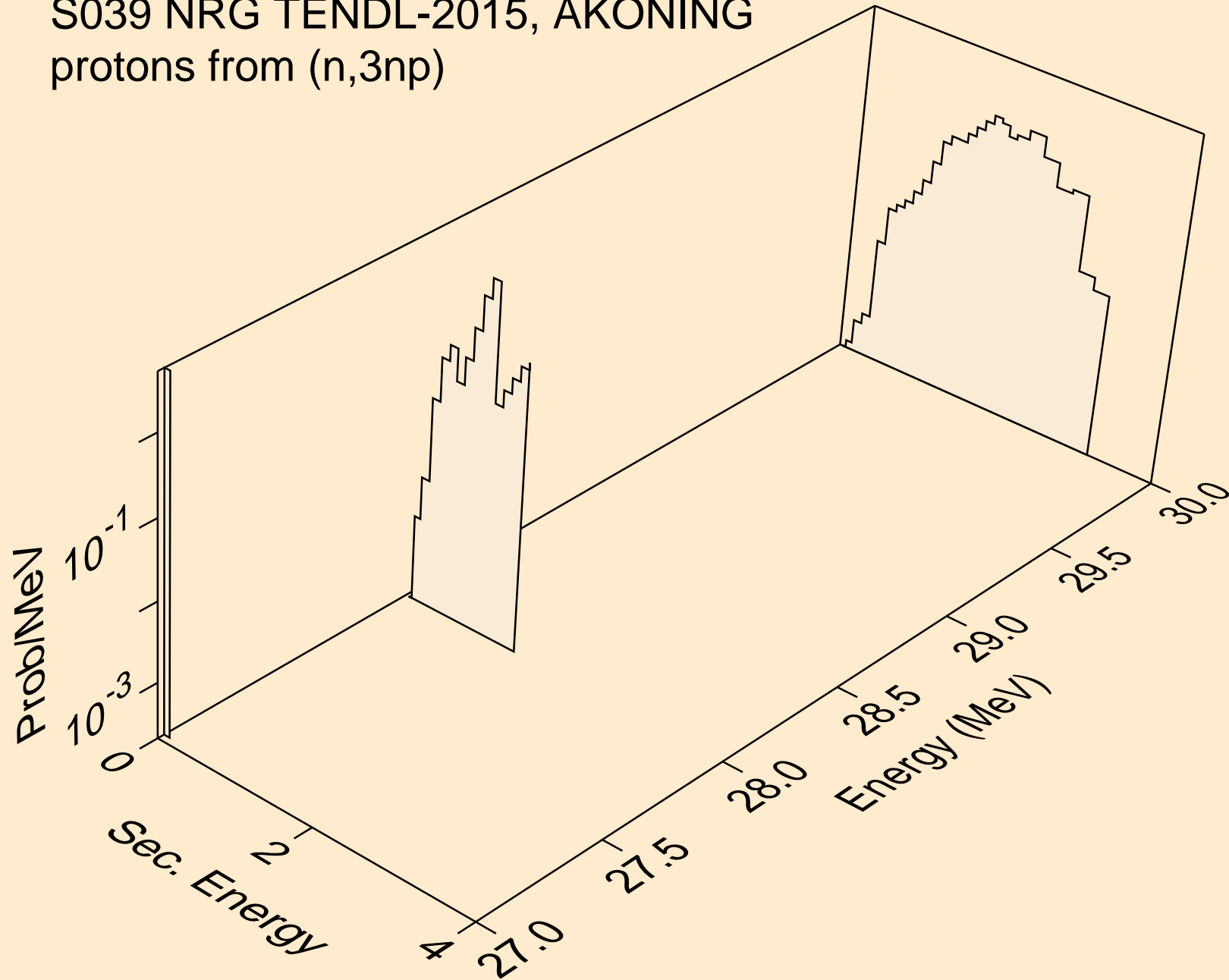
S039 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



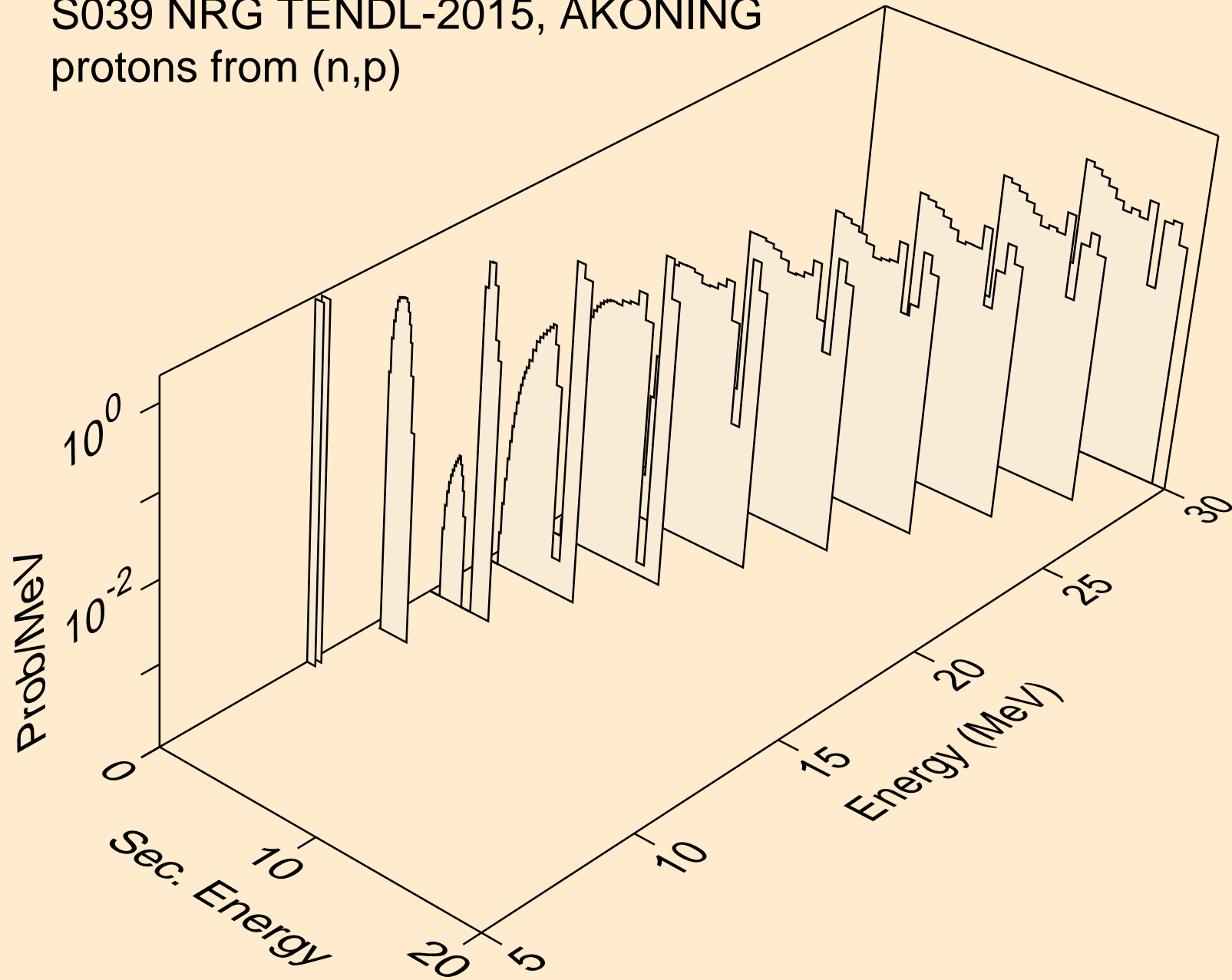
S039 NRG TENDL-2015, AKONING  
protons from (n,2np)



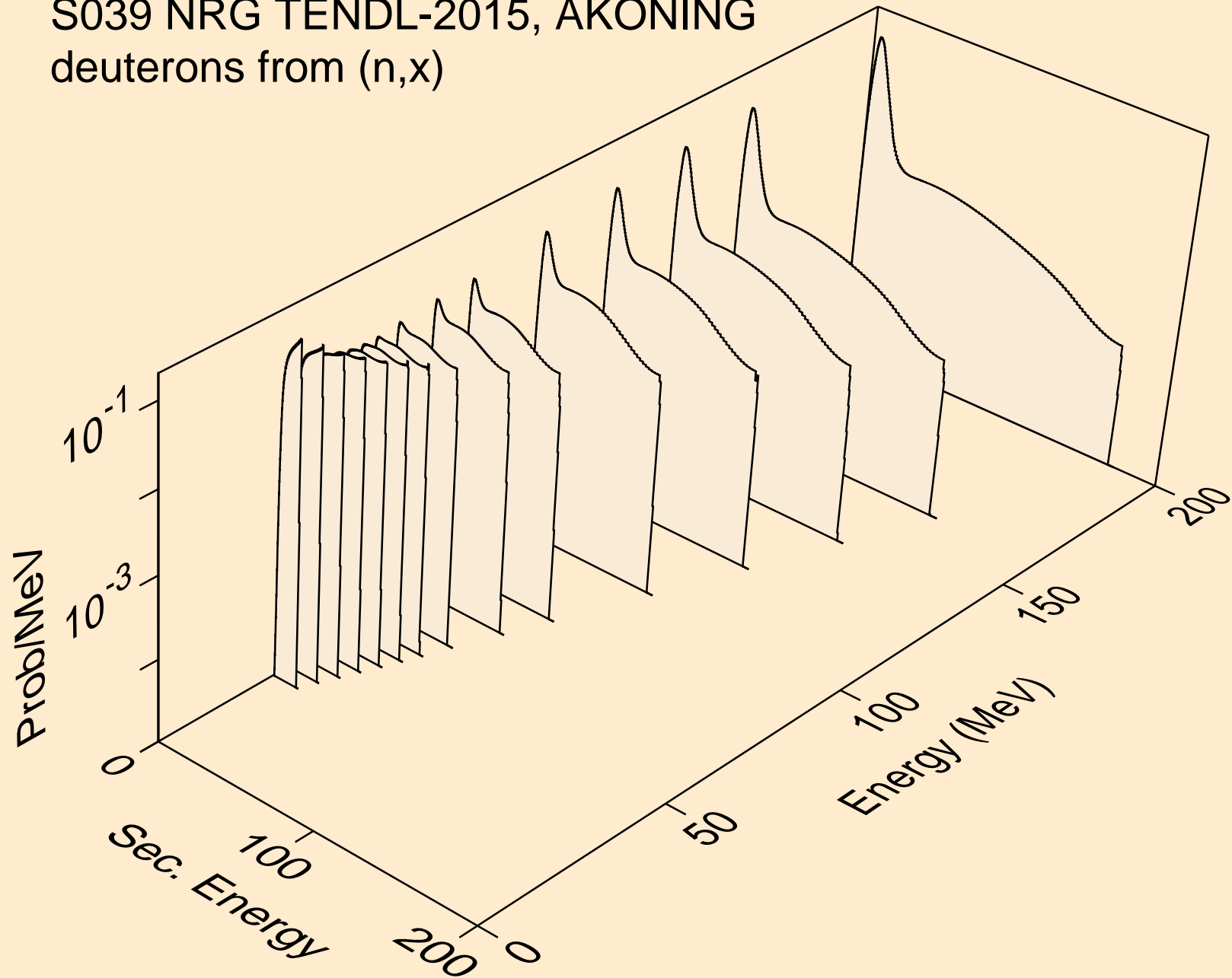
S039 NRG TENDL-2015, AKONING  
protons from (n,3np)



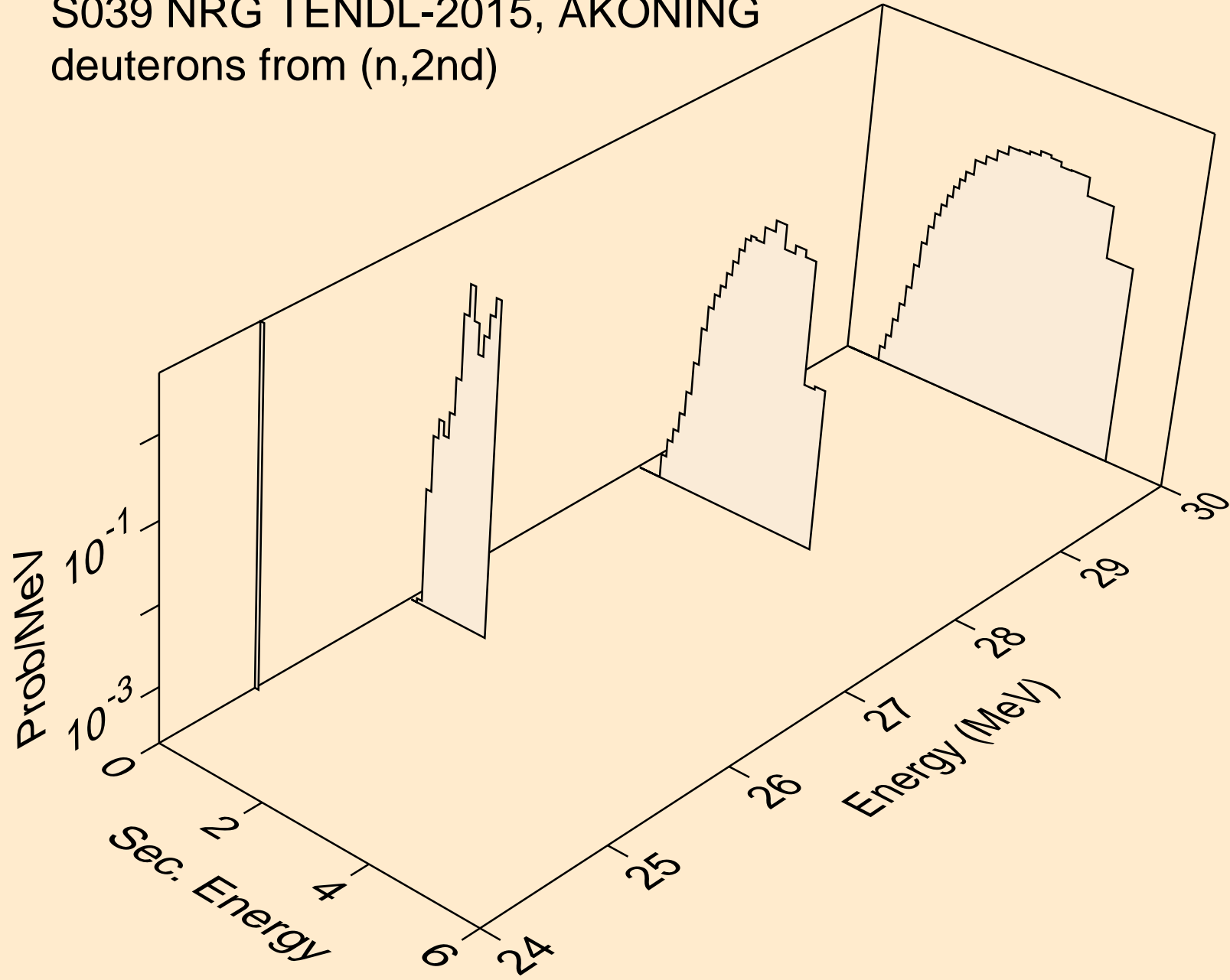
S039 NRG TENDL-2015, AKONING  
protons from (n,p)



S039 NRG TENDL-2015, AKONING  
deuterons from (n,x)

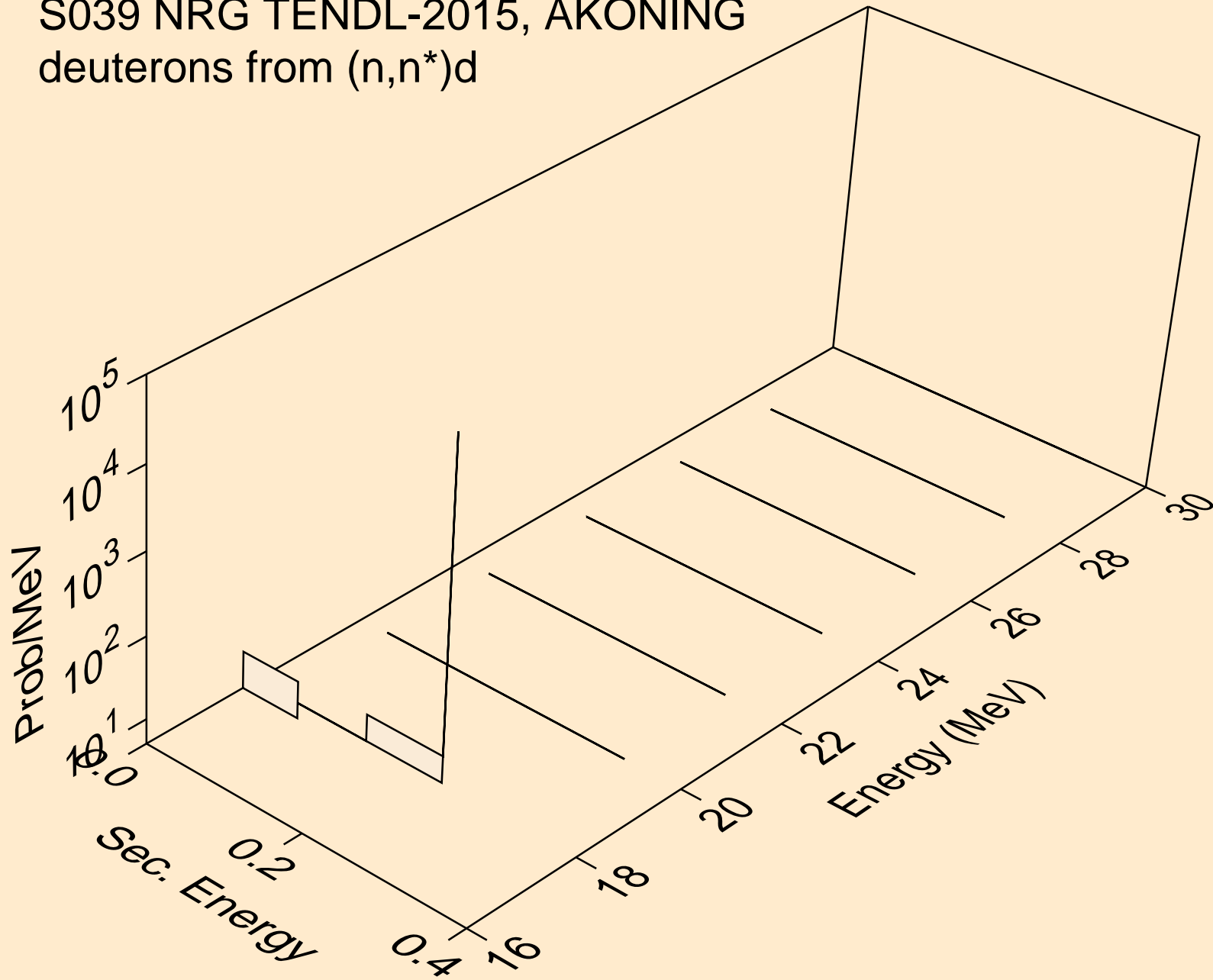


S039 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

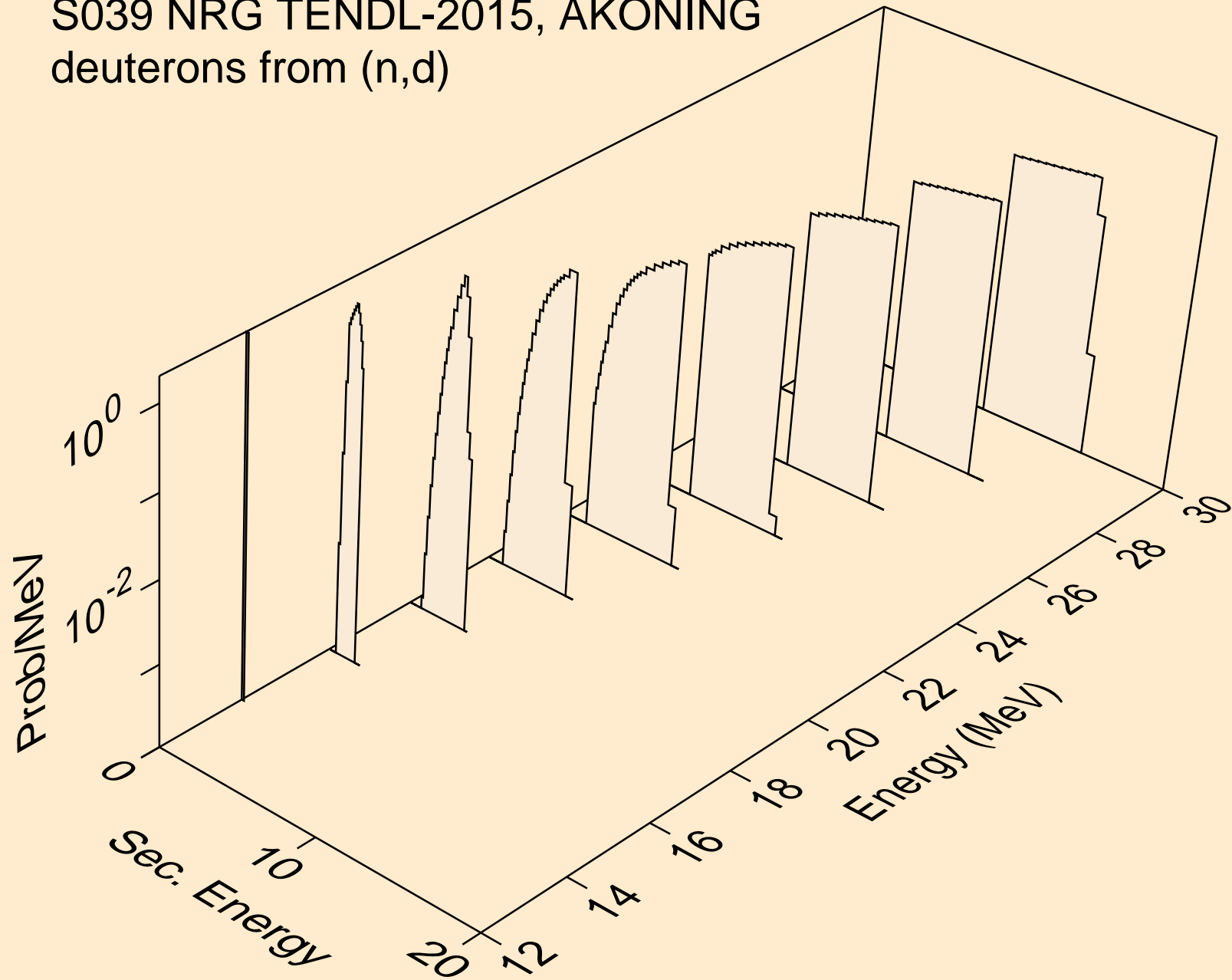




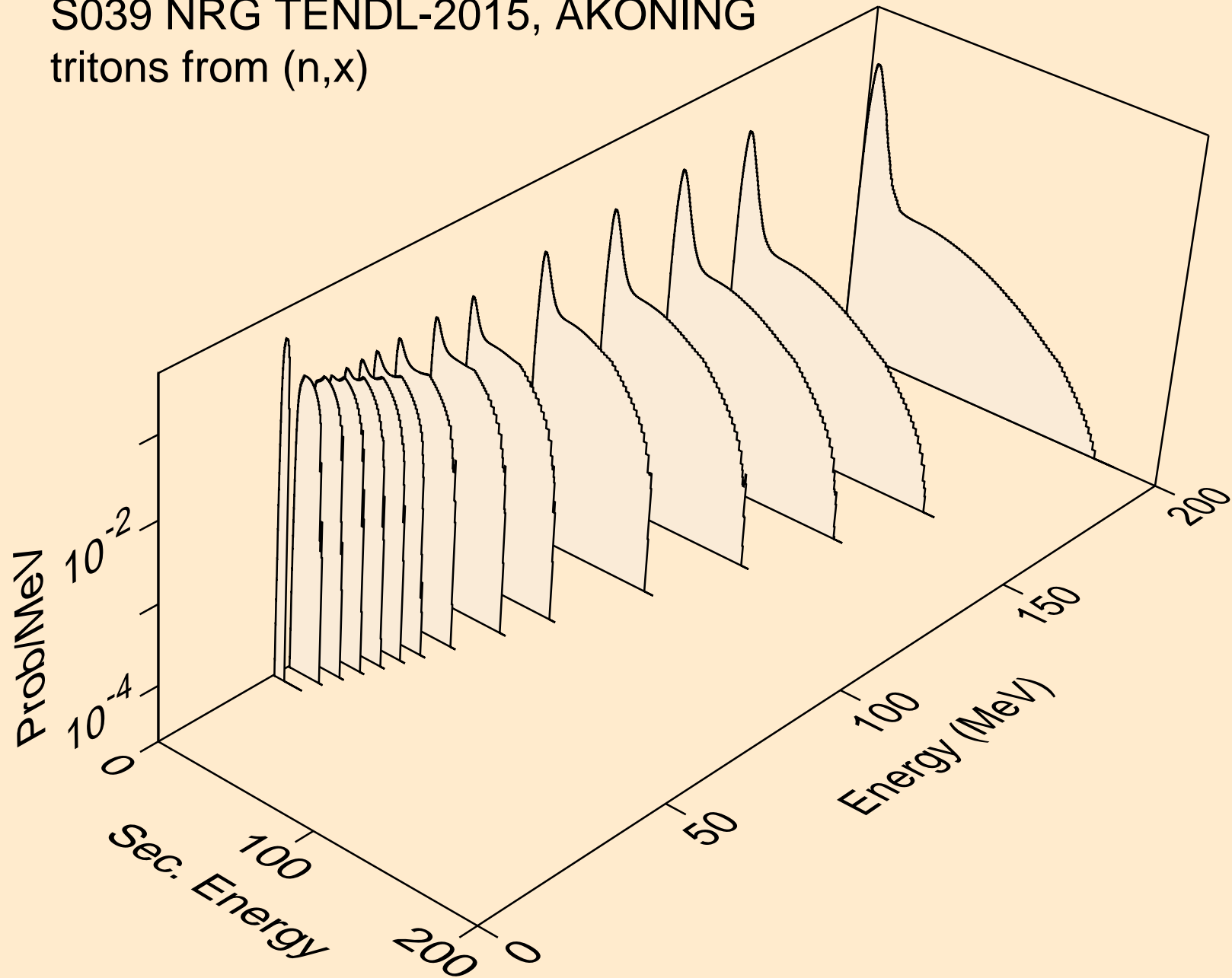
S039 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



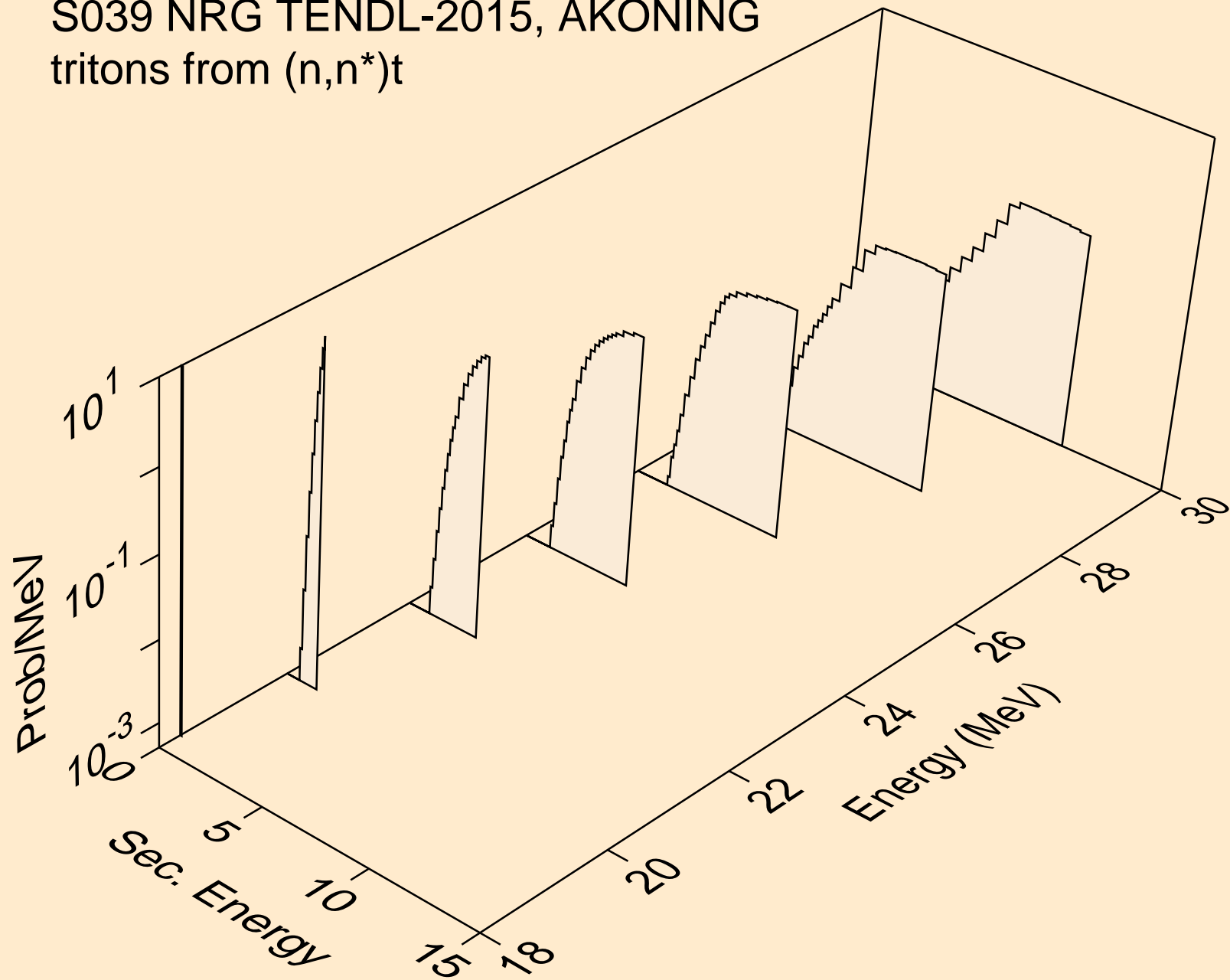
S039 NRG TENDL-2015, AKONING  
deuterons from (n,d)



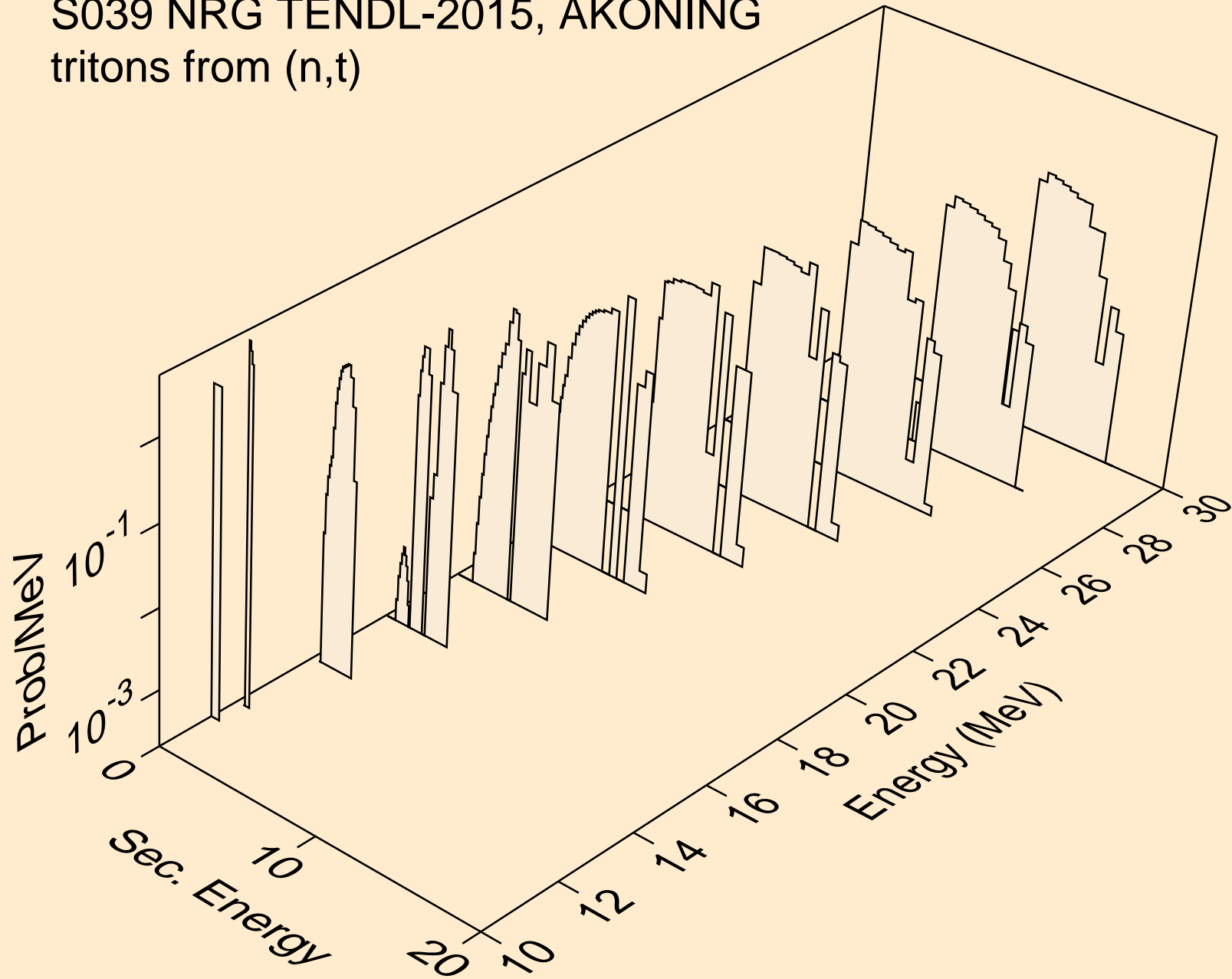
S039 NRG TENDL-2015, AKONING  
tritons from (n,x)



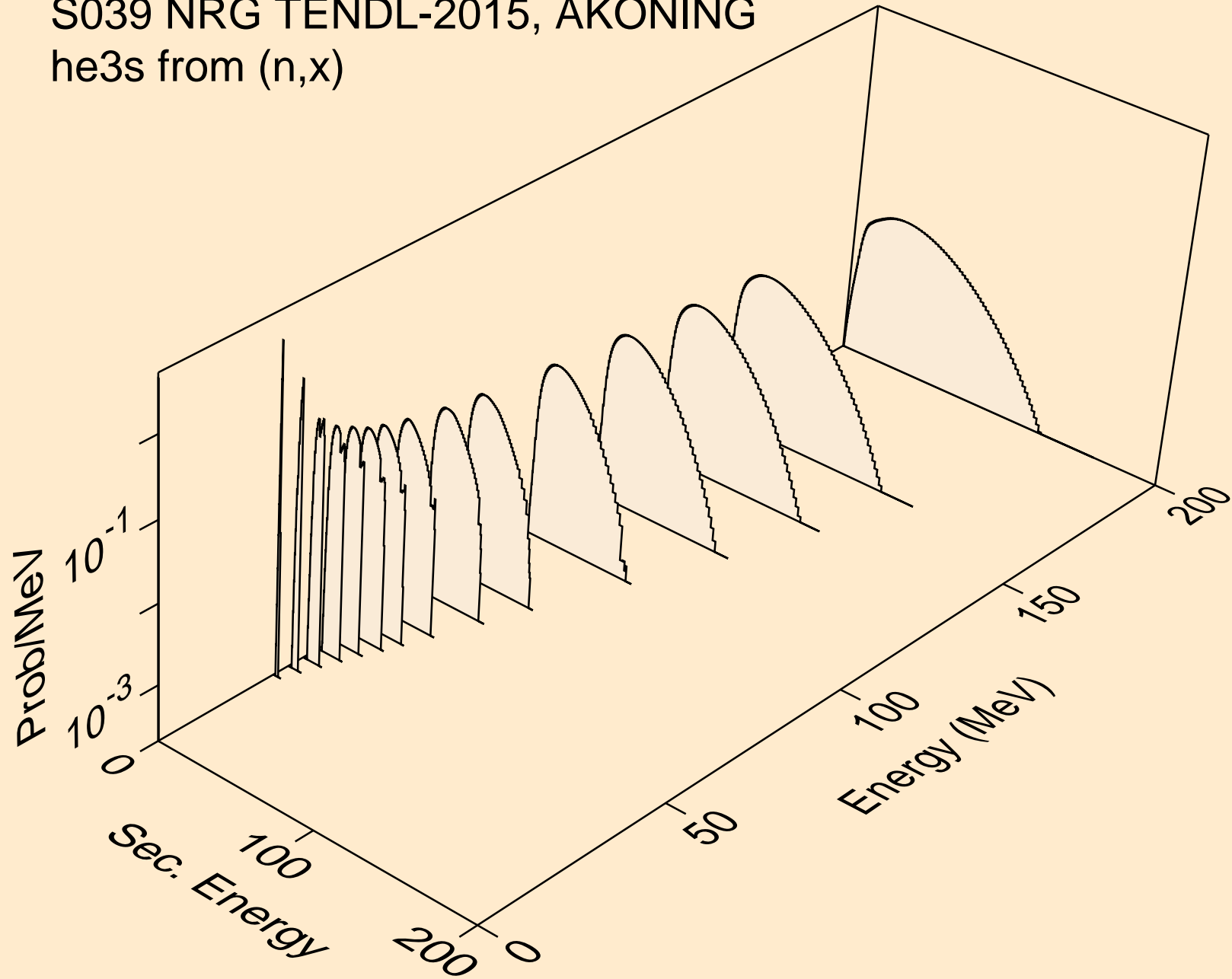
S039 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



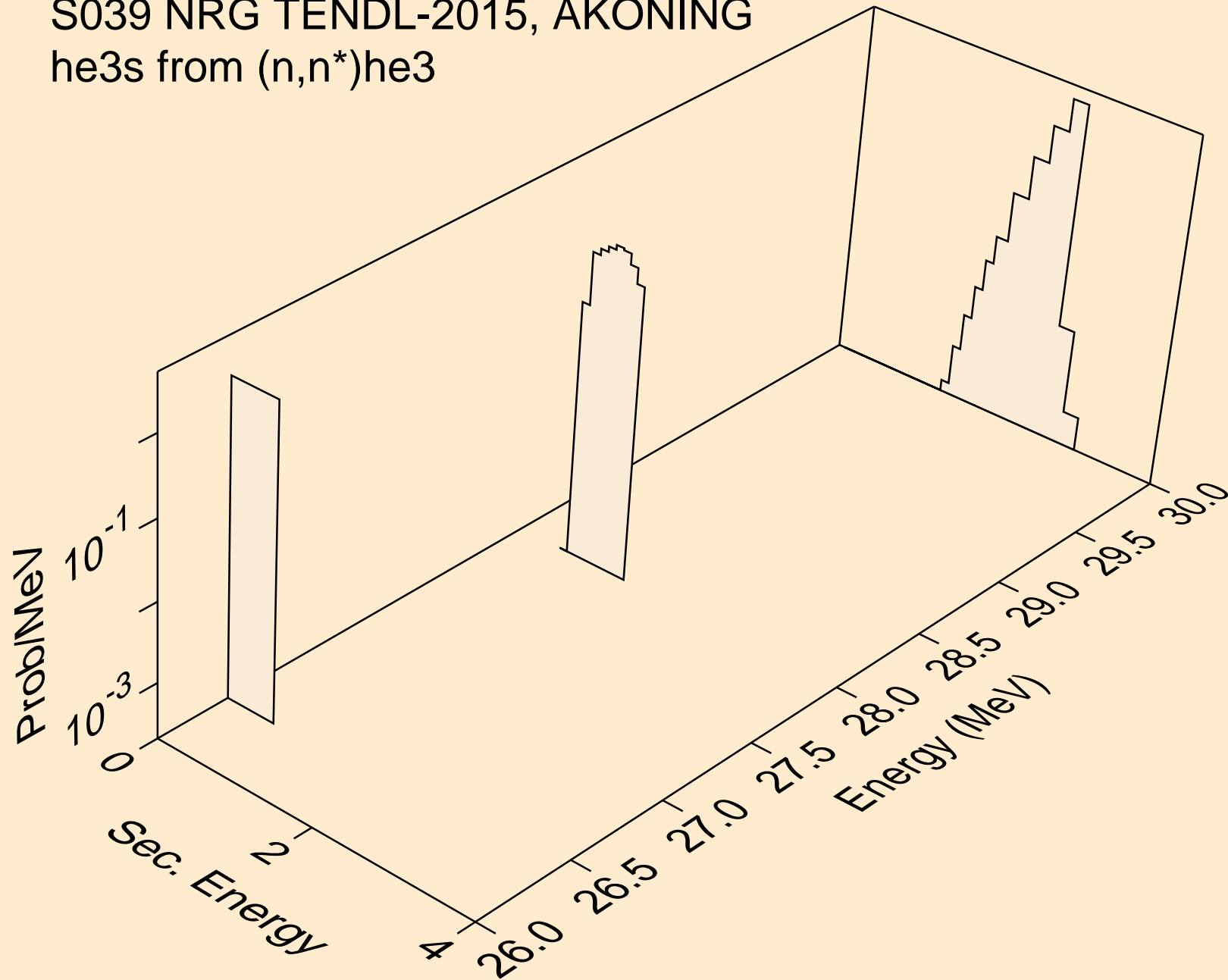
S039 NRG TENDL-2015, AKONING  
tritons from (n,t)



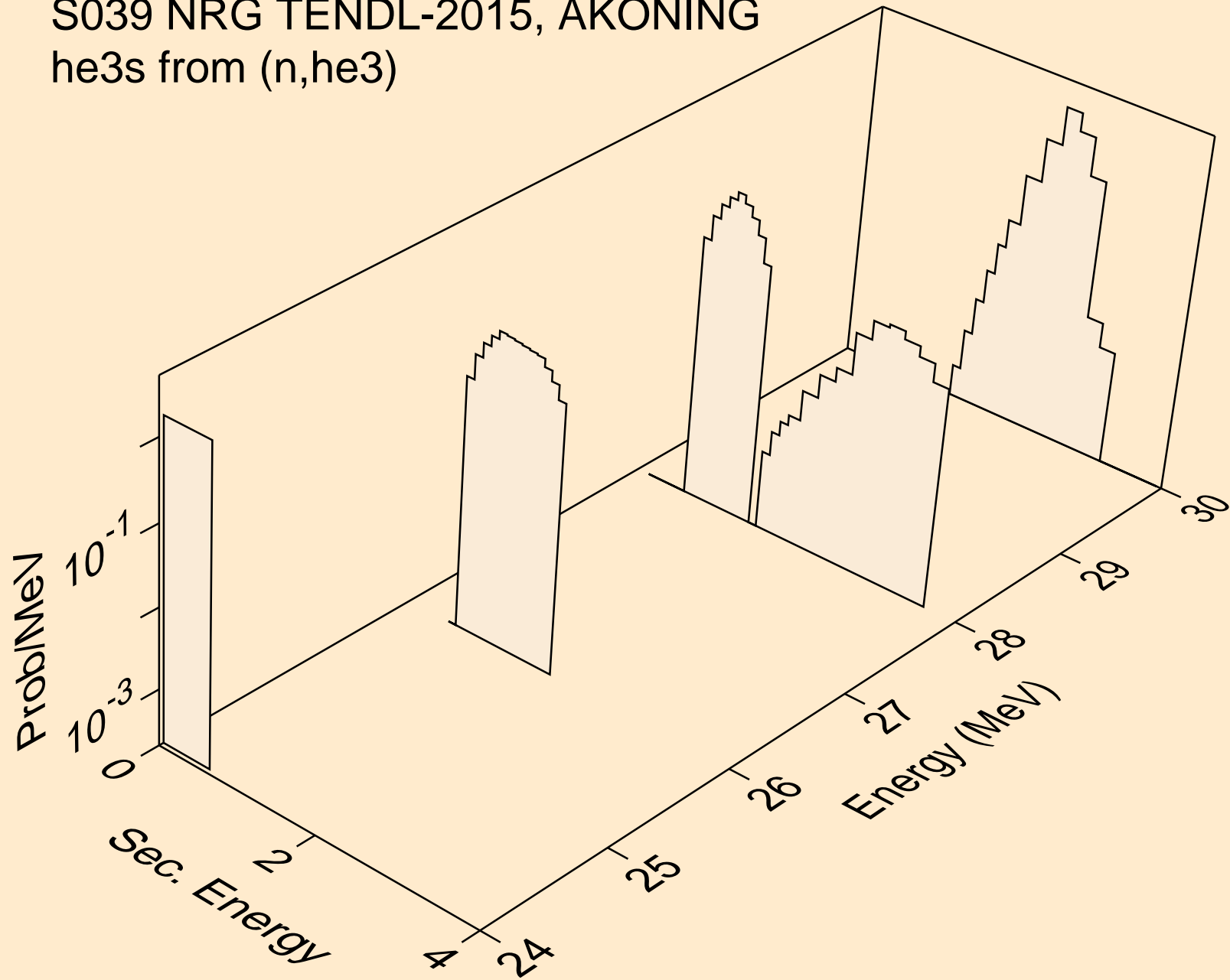
S039 NRG TENDL-2015, AKONING  
he3s from (n,x)



S039 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

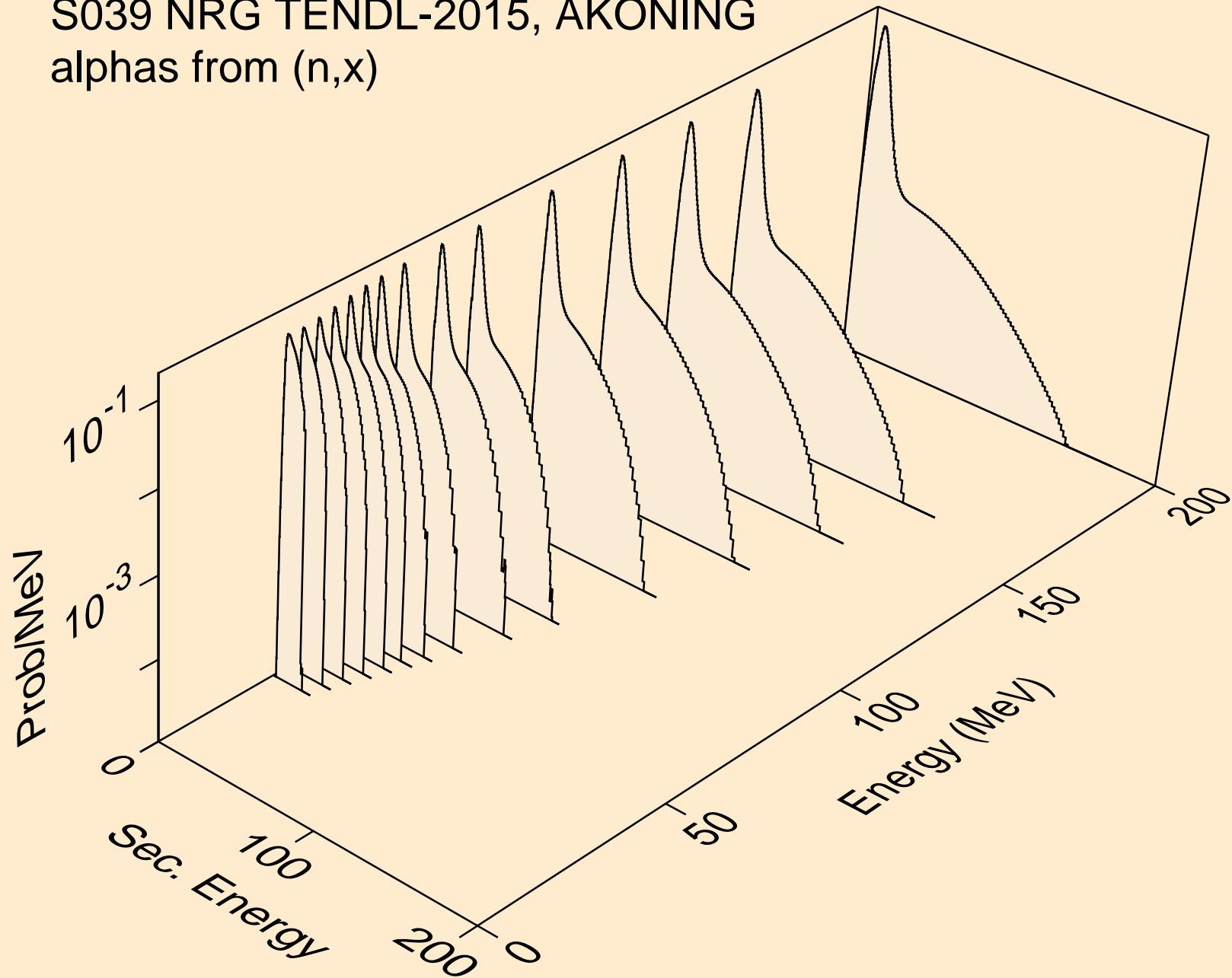


S039 NRG TENDL-2015, AKONING  
he3s from (n,he3)

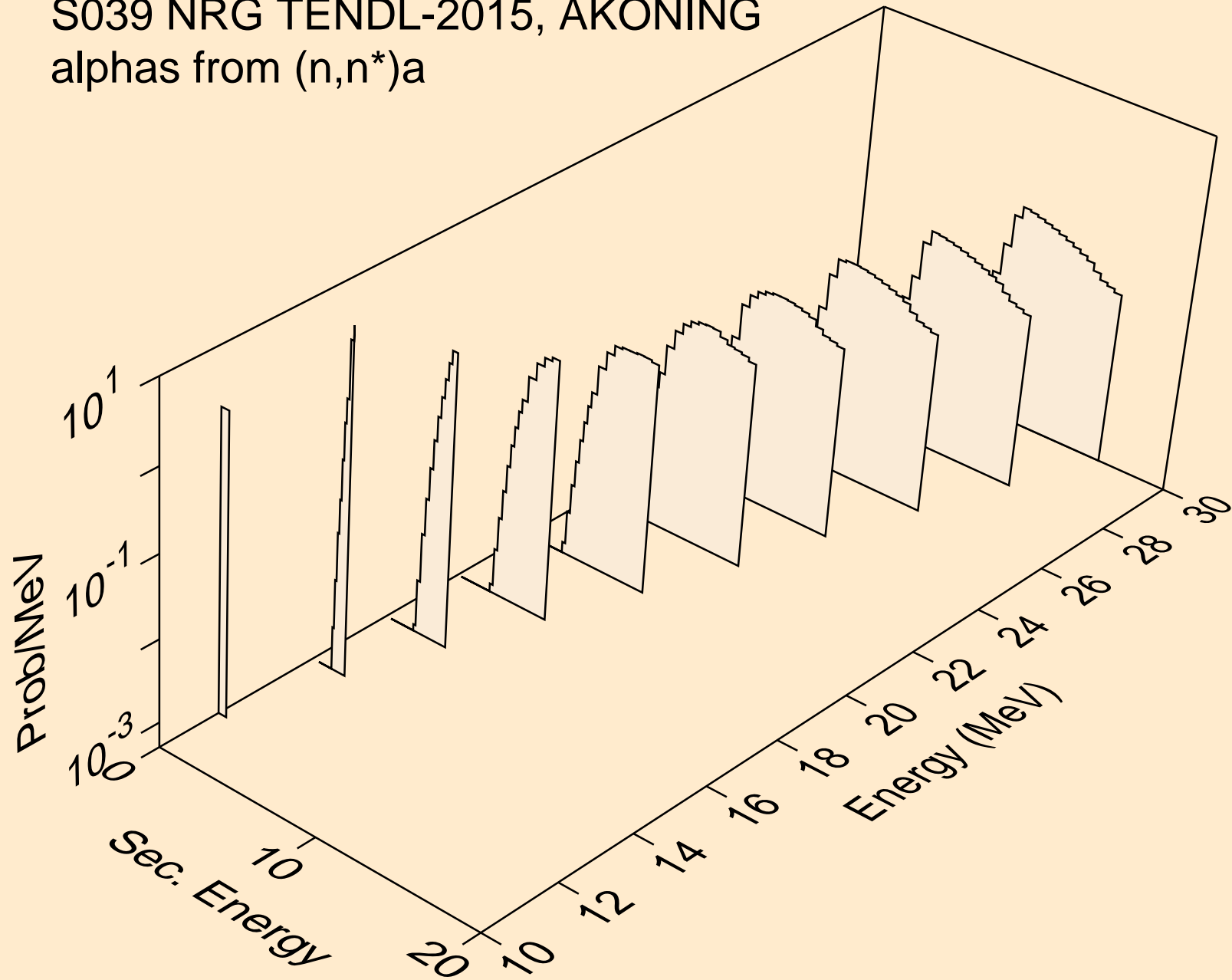




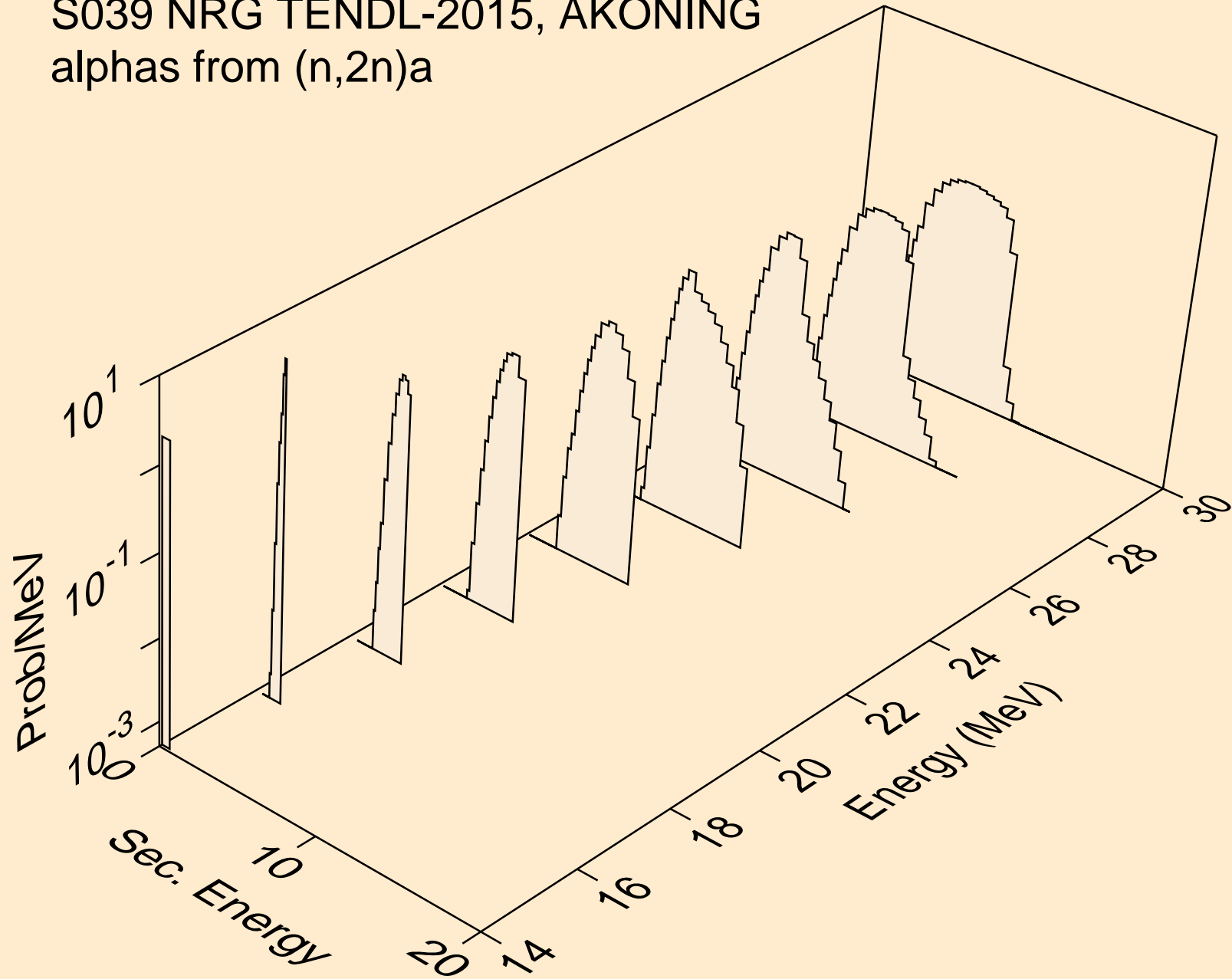
S039 NRG TENDL-2015, AKONING  
alphas from (n,x)



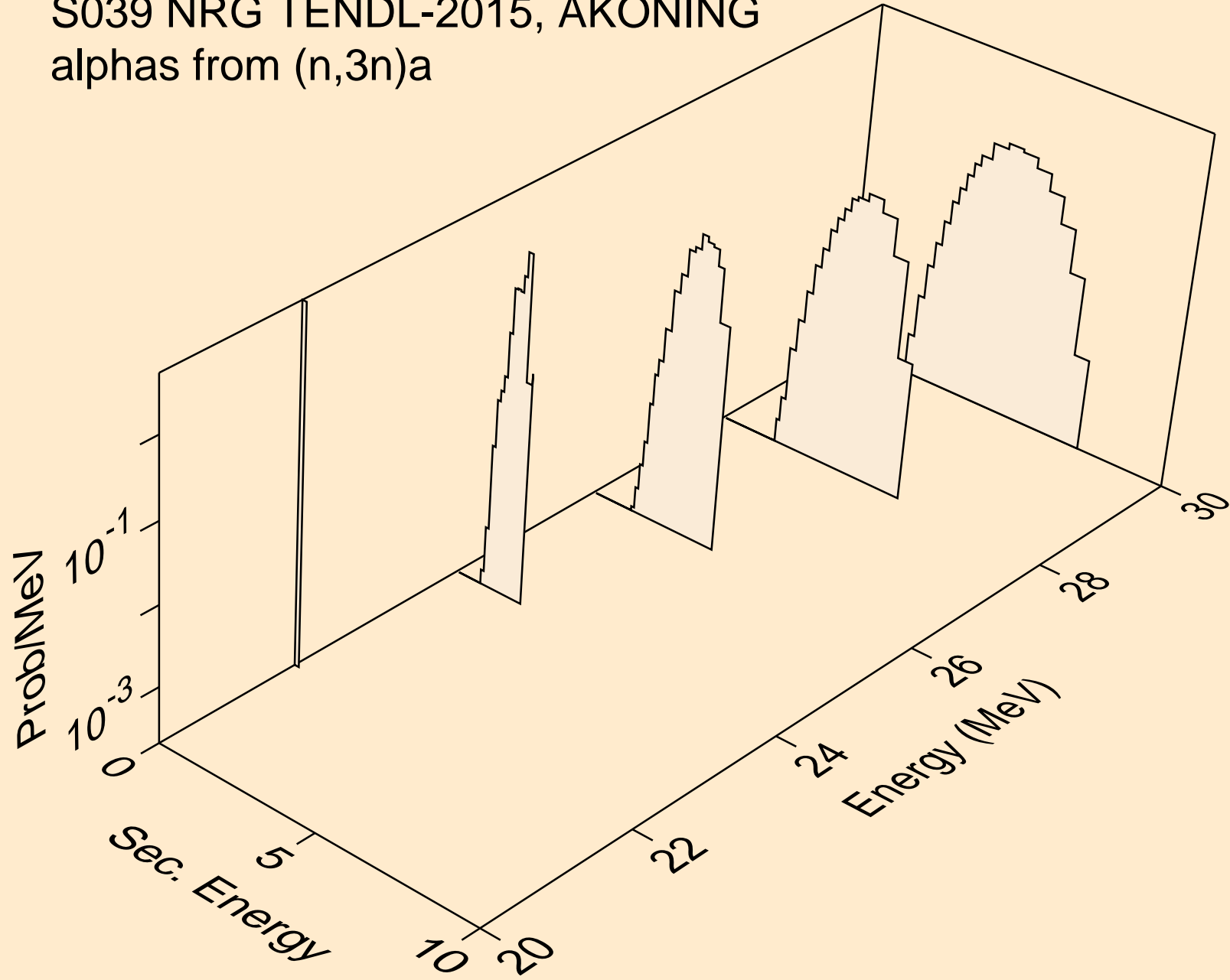
S039 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



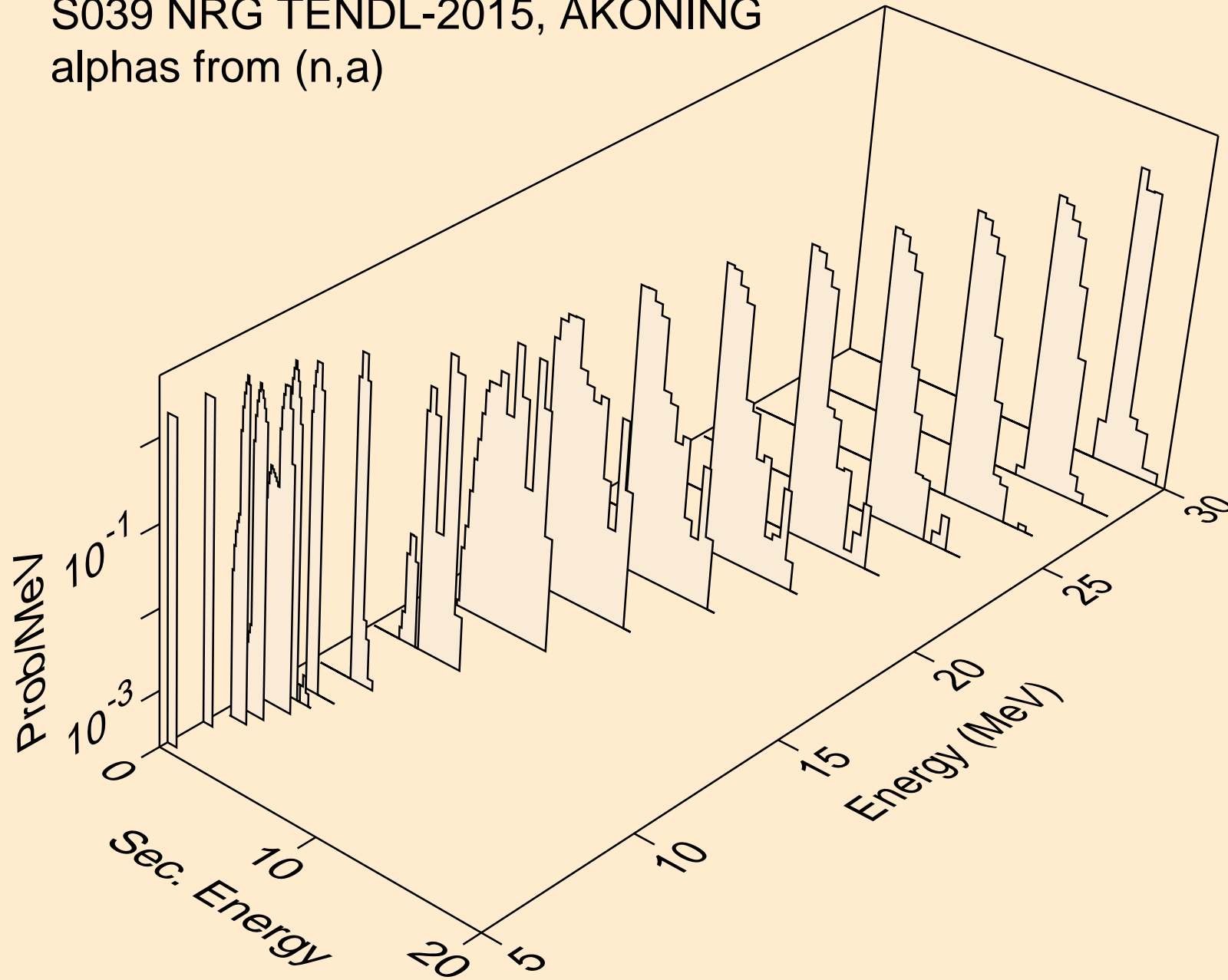
S039 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



S039 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



S039 NRG TENDL-2015, AKONING  
alphas from (n,a)



S039 NRG TENDL-2015, AKONING  
alphas from (n,2a)

