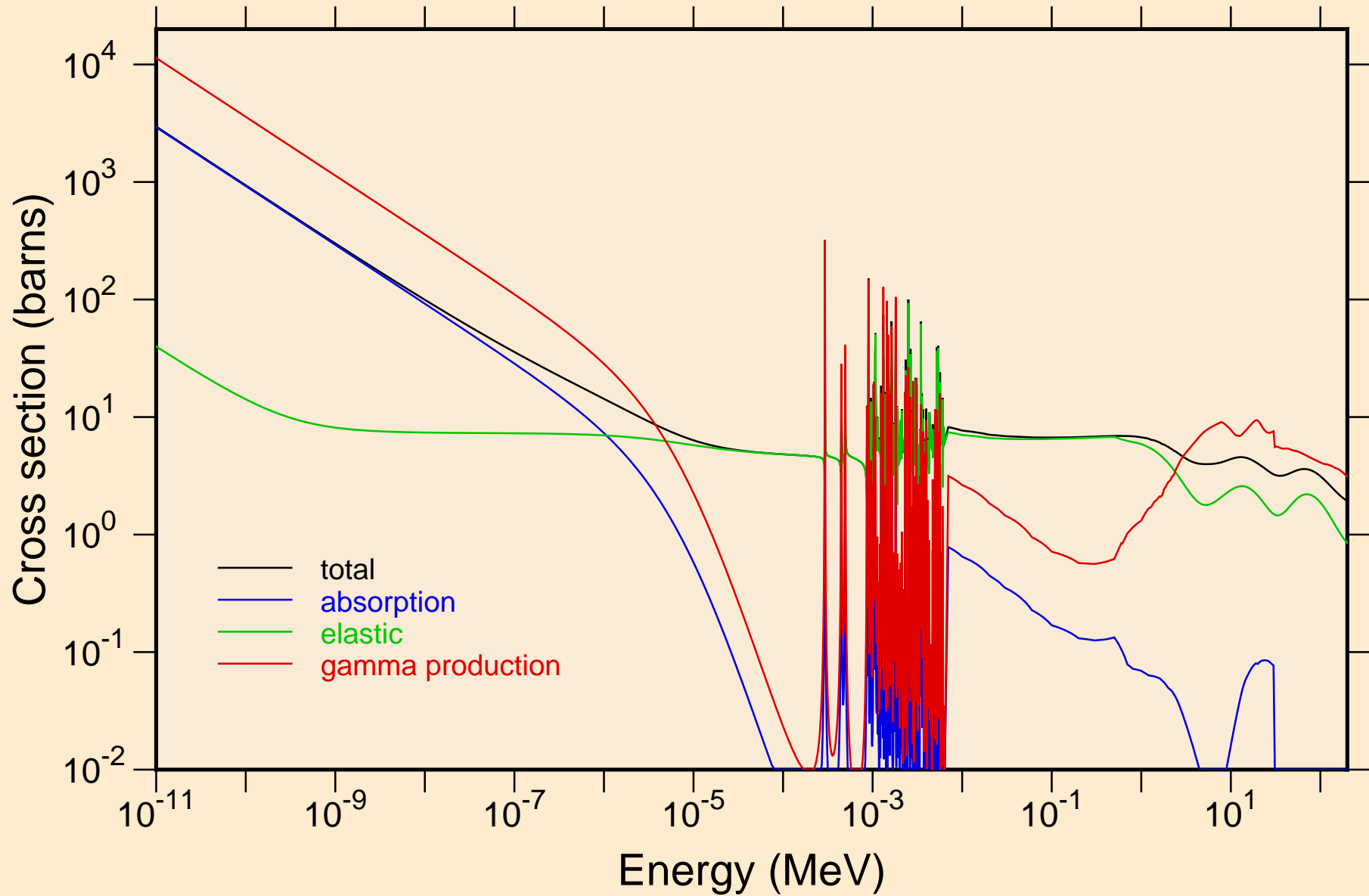


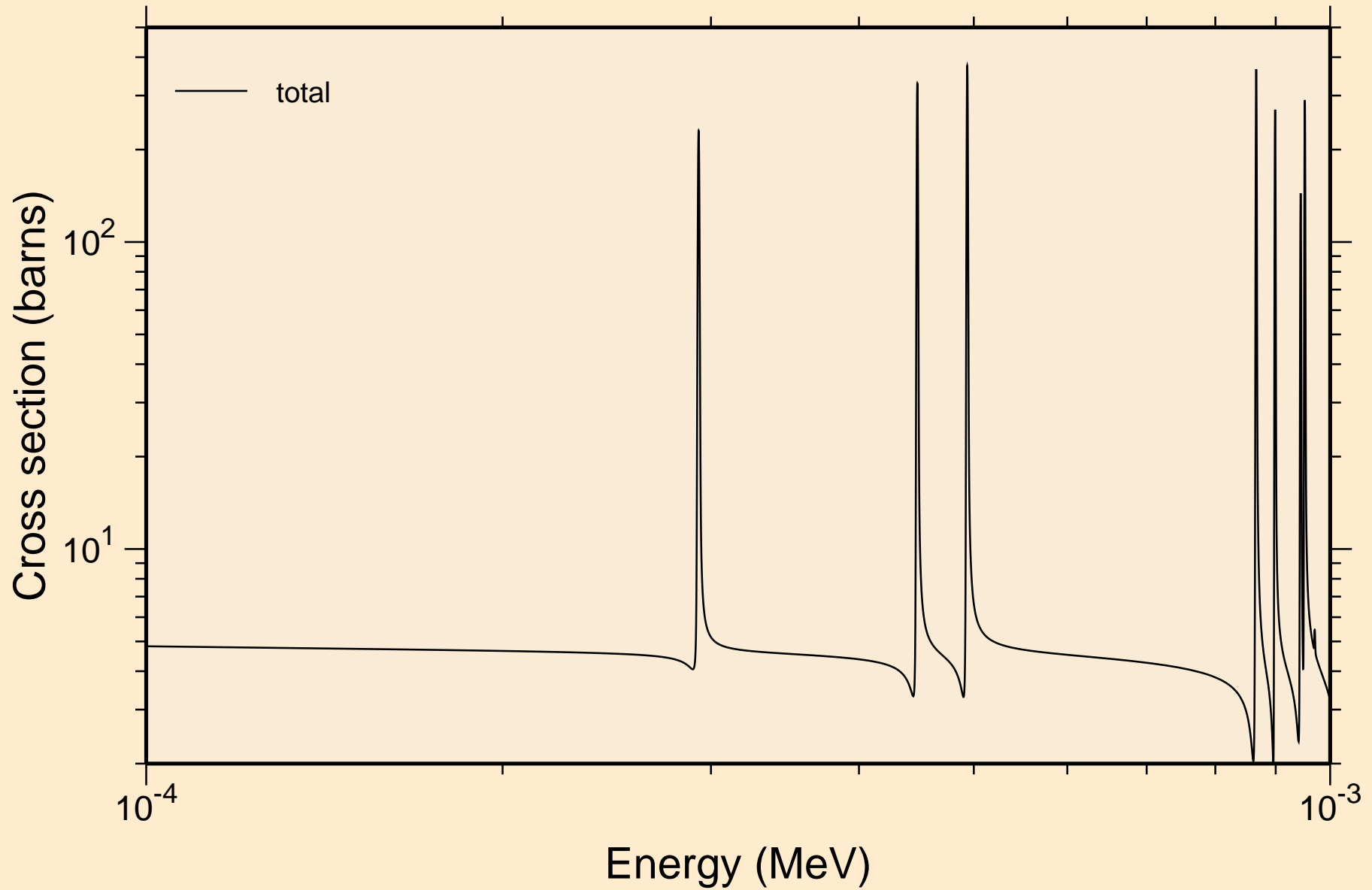
# SN115 NRG TENDL-2015, AKONING

## Principal cross sections

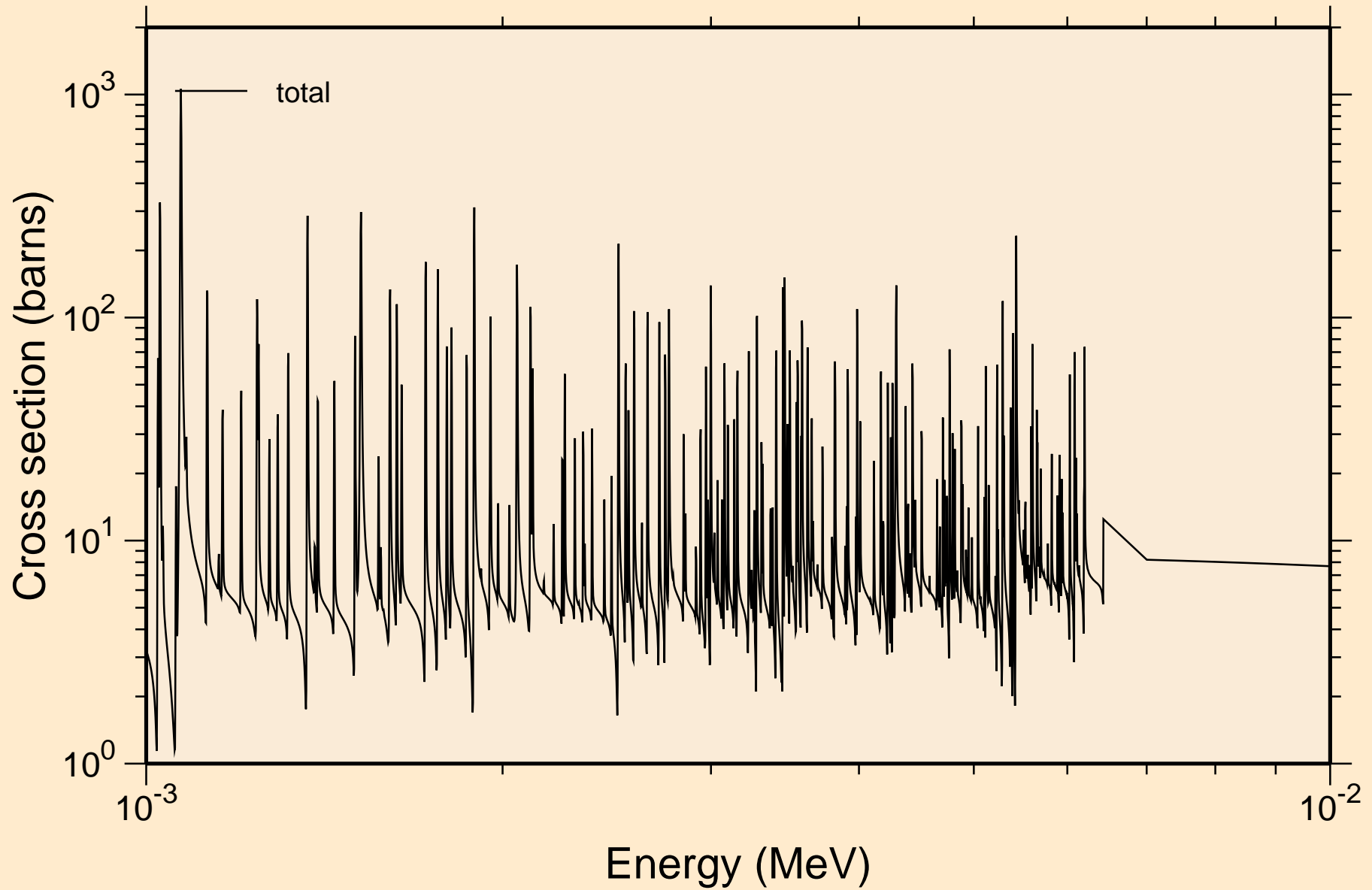


# SN115 NRG TENDL-2015, AKONING

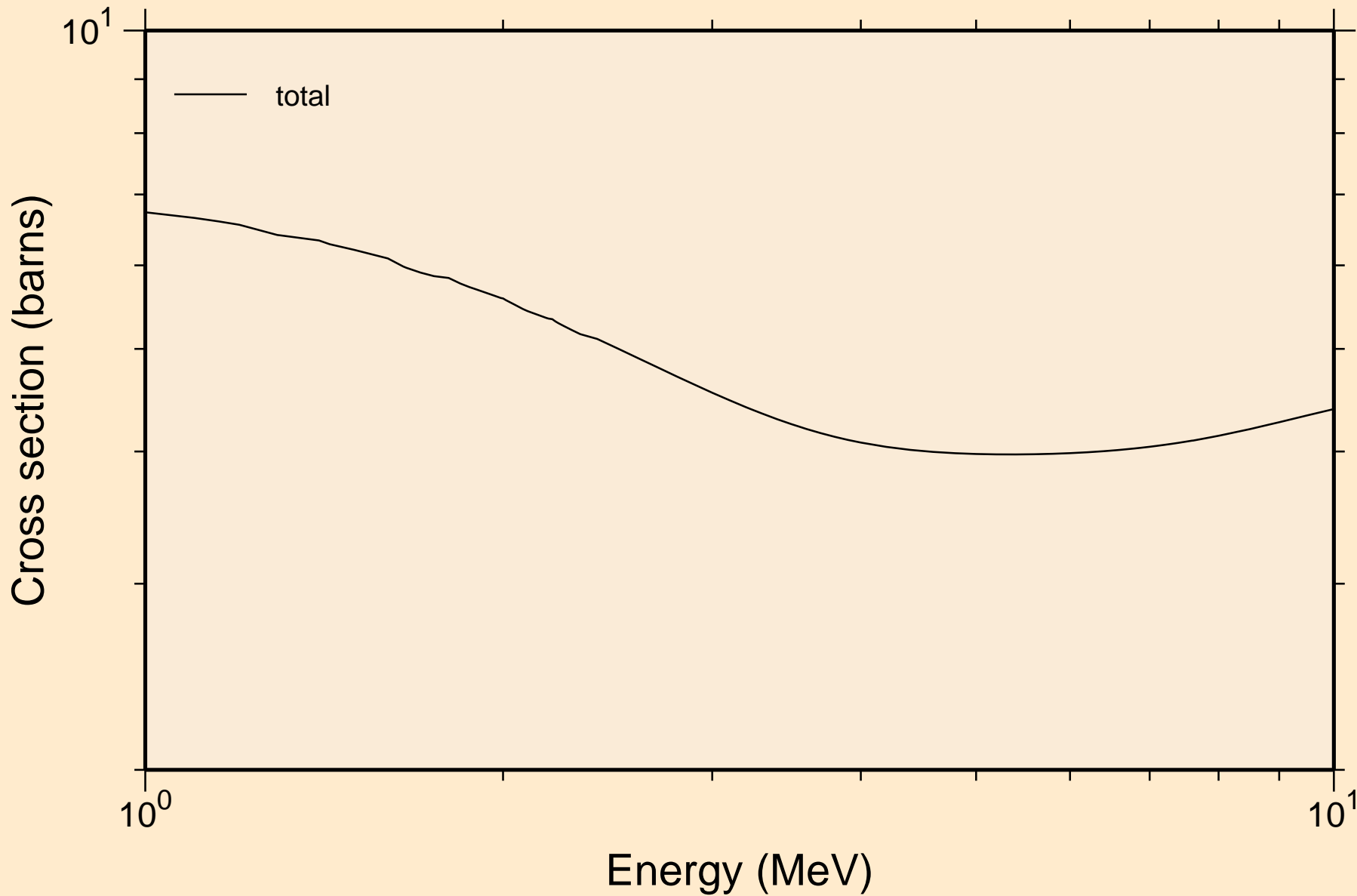
## resonance total cross section



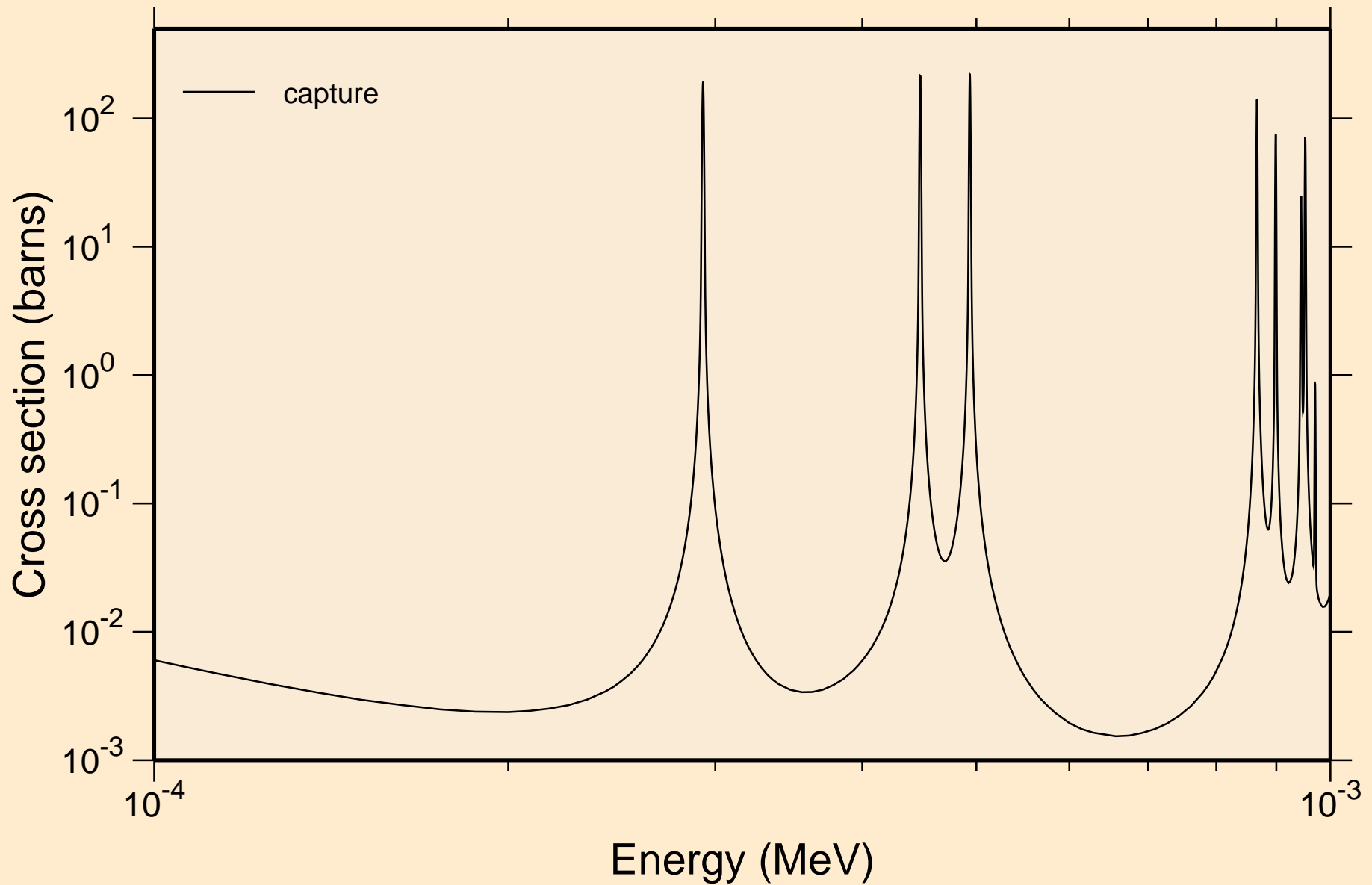
SN115 NRG TENDL-2015, AKONING  
resonance total cross section



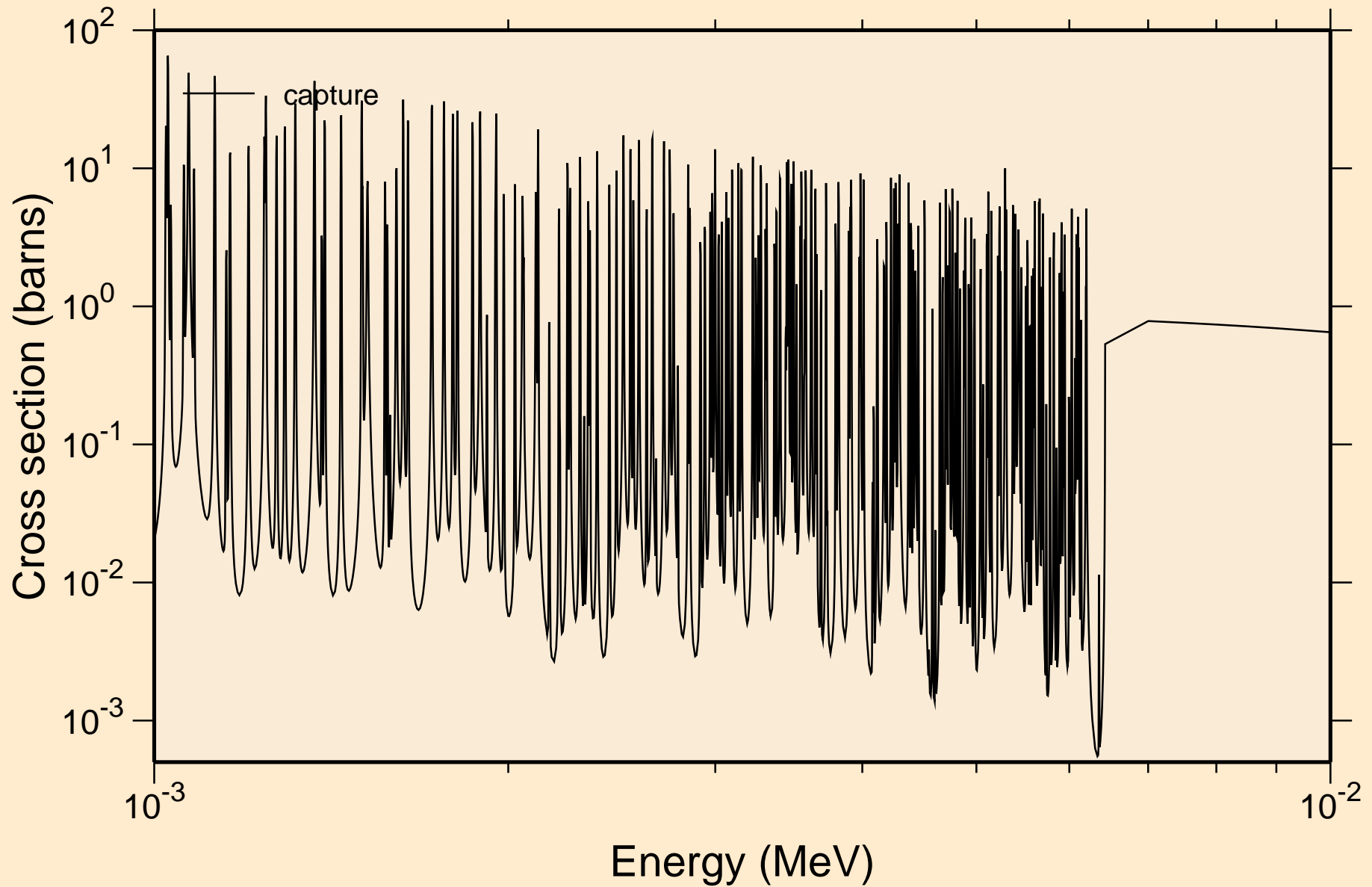
SN115 NRG TENDL-2015, AKONING  
resonance total cross section



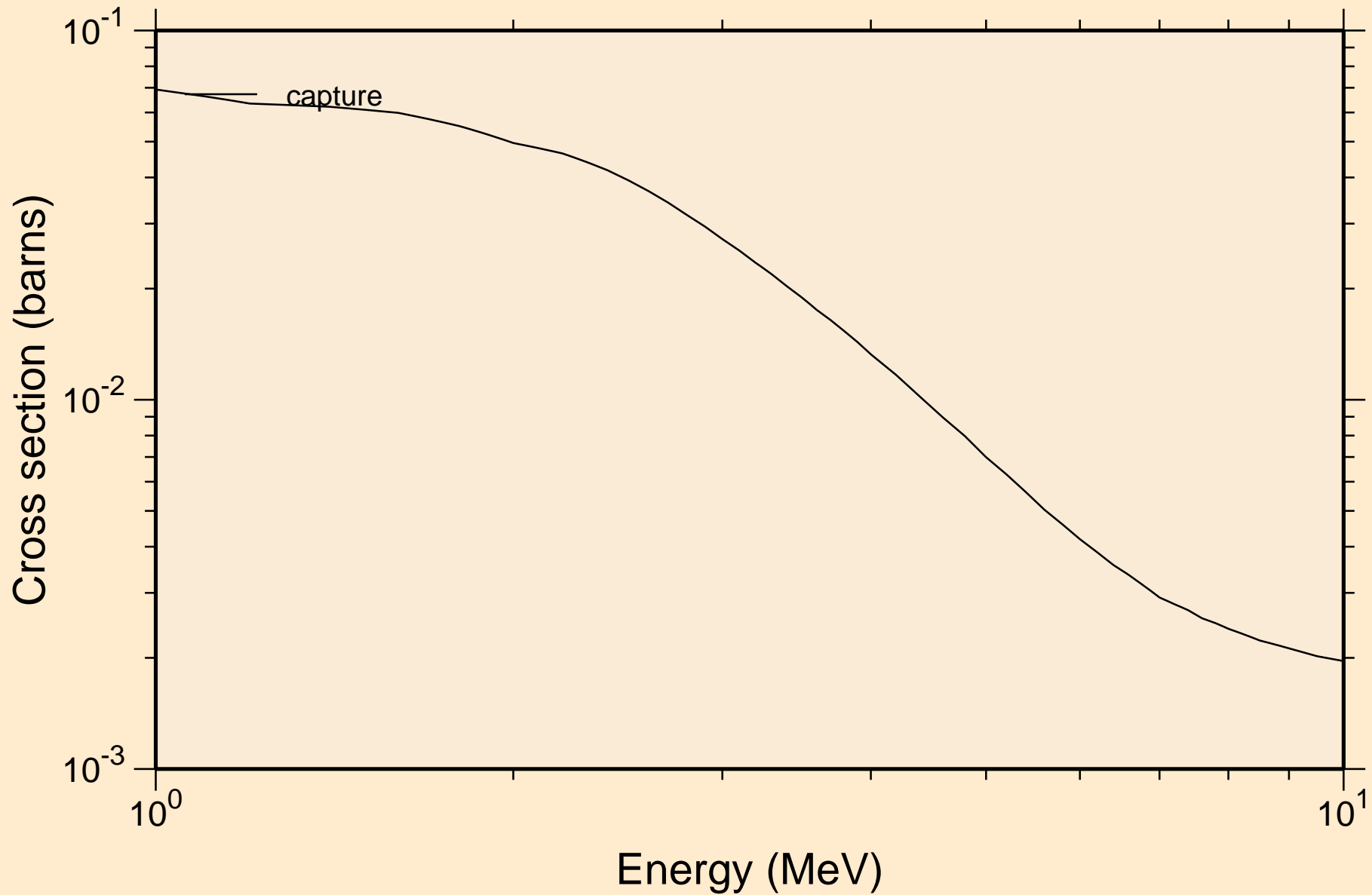
# SN115 NRG TENDL-2015, AKONING resonance absorption cross sections



SN115 NRG TENDL-2015, AKONING  
resonance absorption cross sections

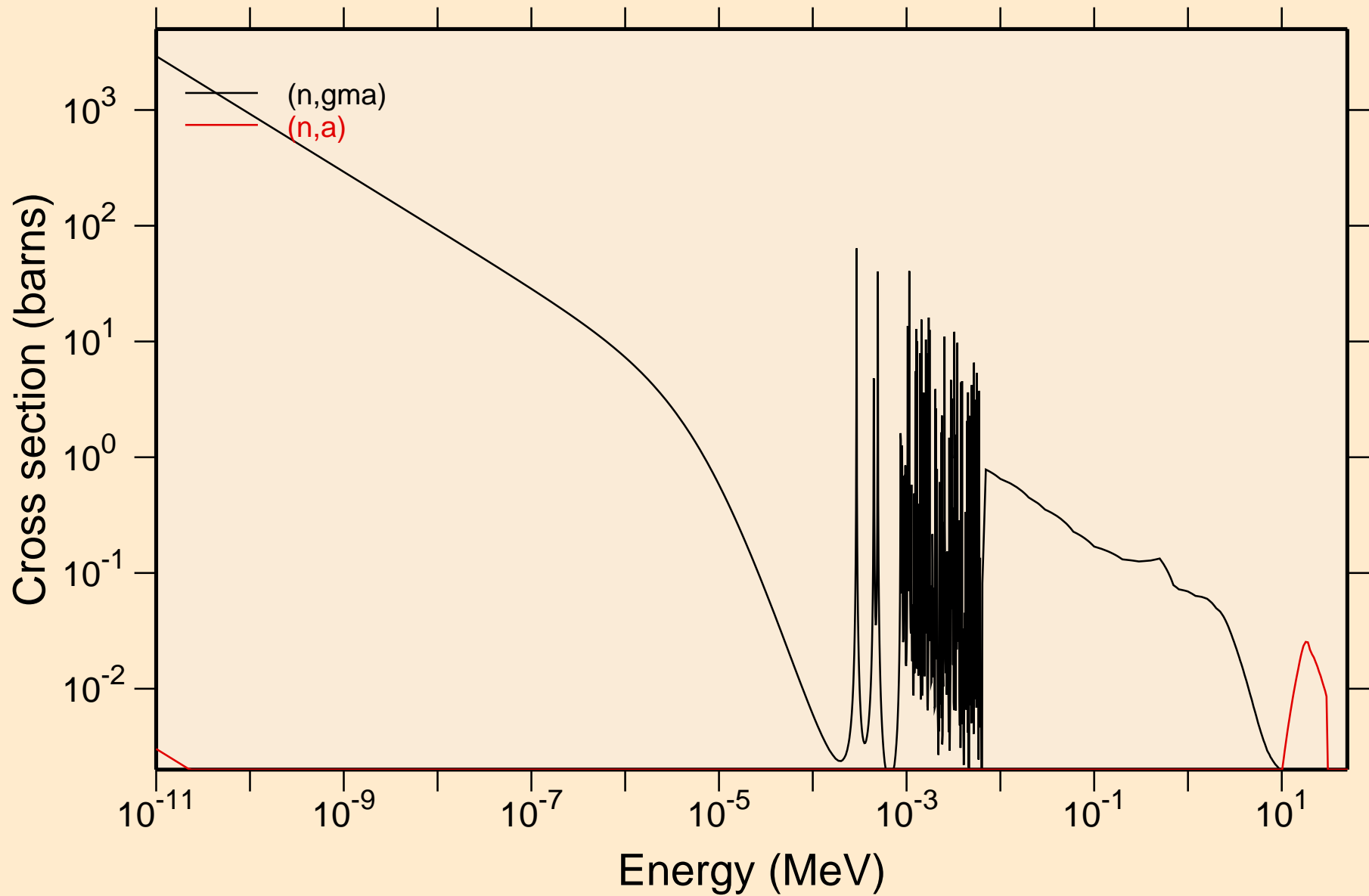


SN115 NRG TENDL-2015, AKONING  
resonance absorption cross sections



# SN115 NRG TENDL-2015, AKONING

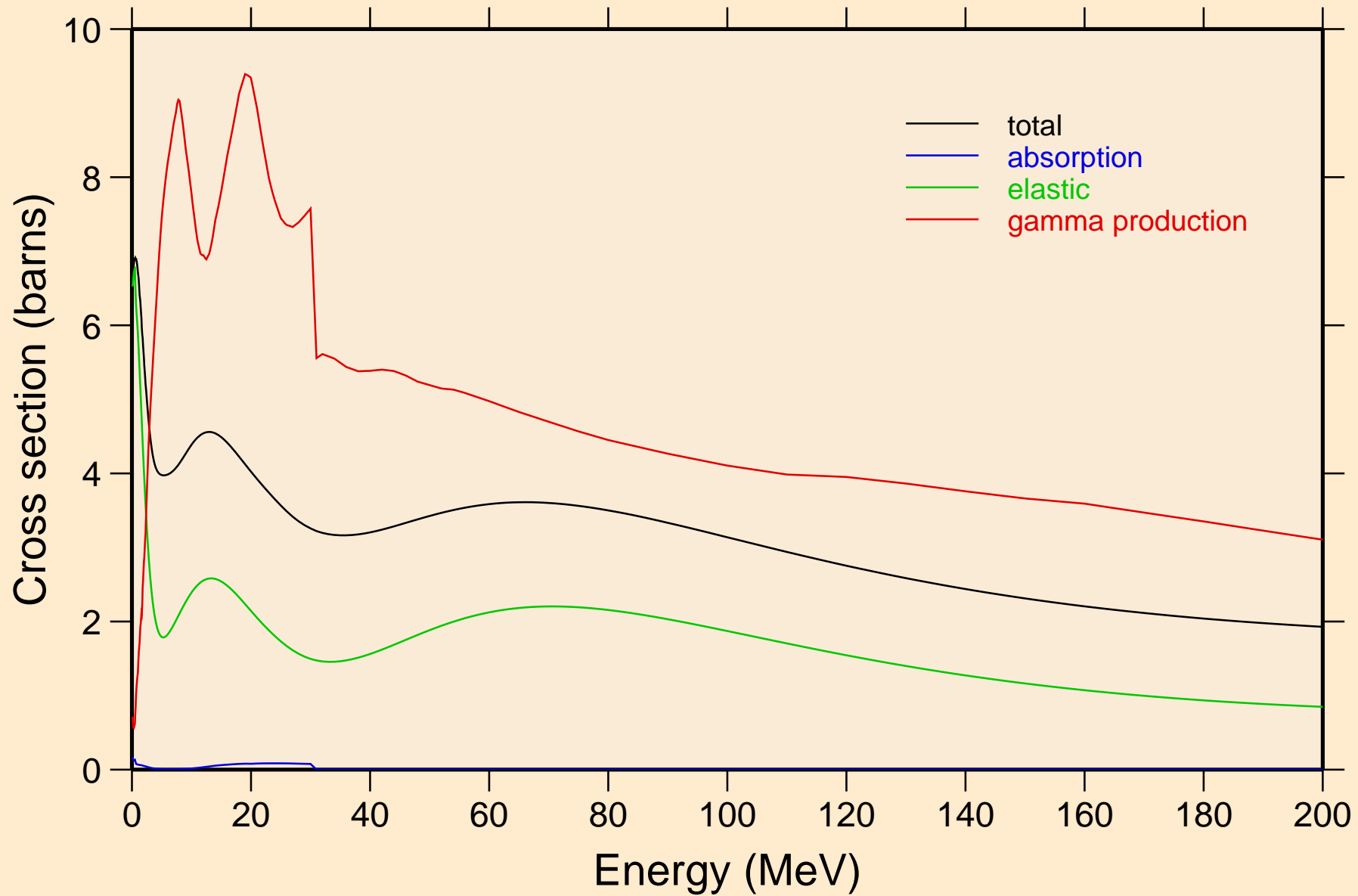
## Non-threshold reactions





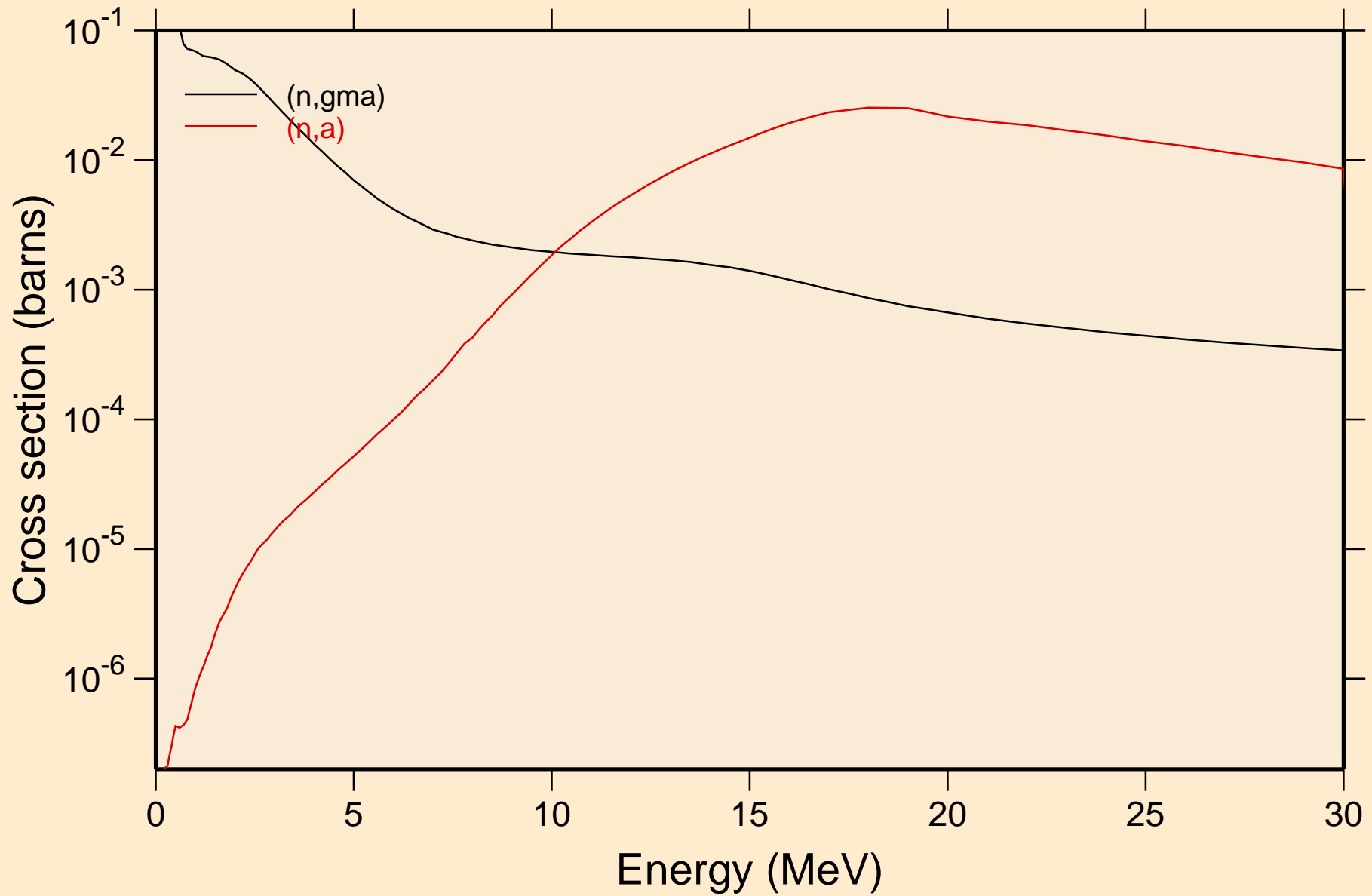
# SN115 NRG TENDL-2015, AKONING

## Principal cross sections



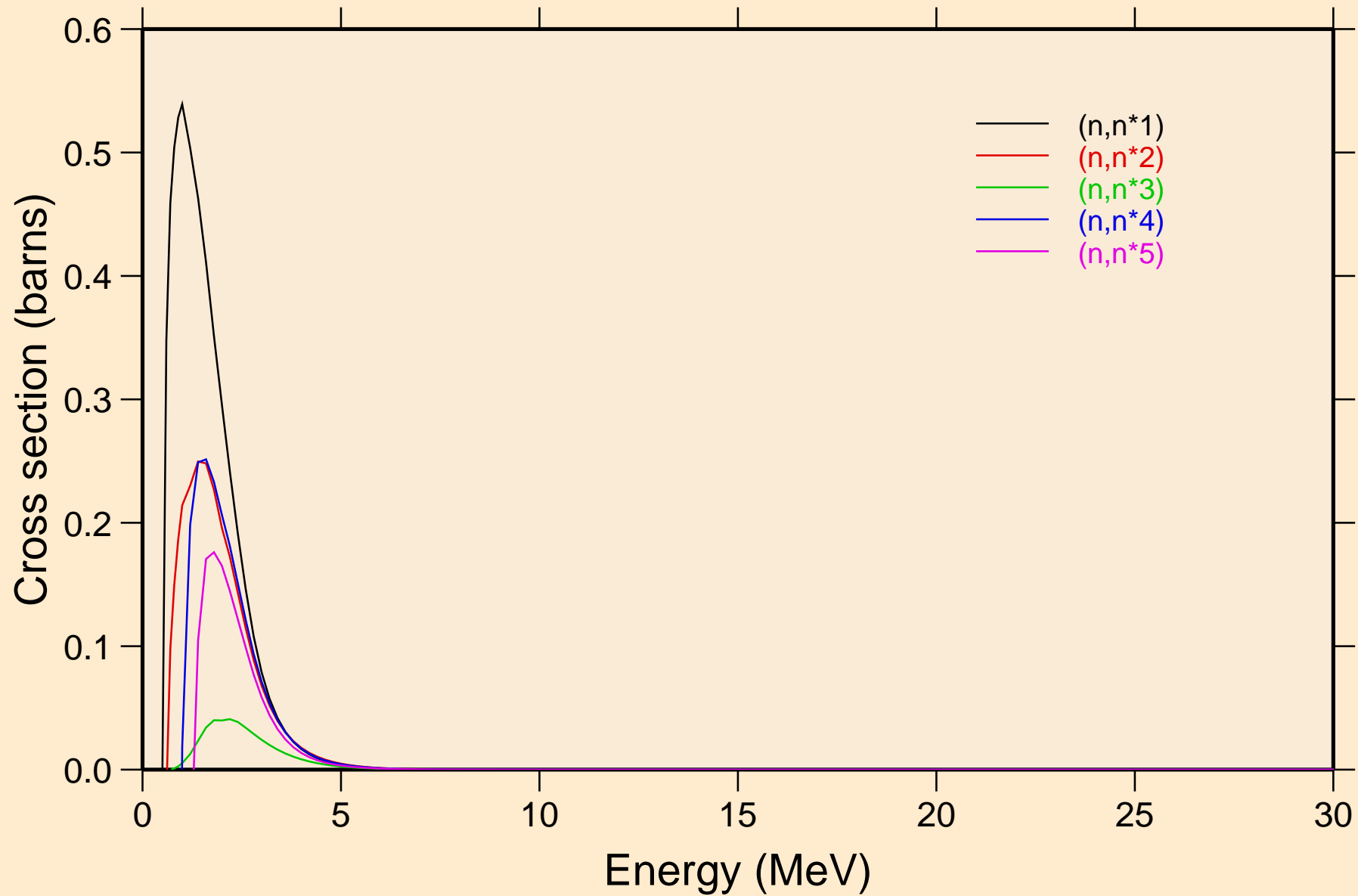
# SN115 NRG TENDL-2015, AKONING

## Non-threshold reactions



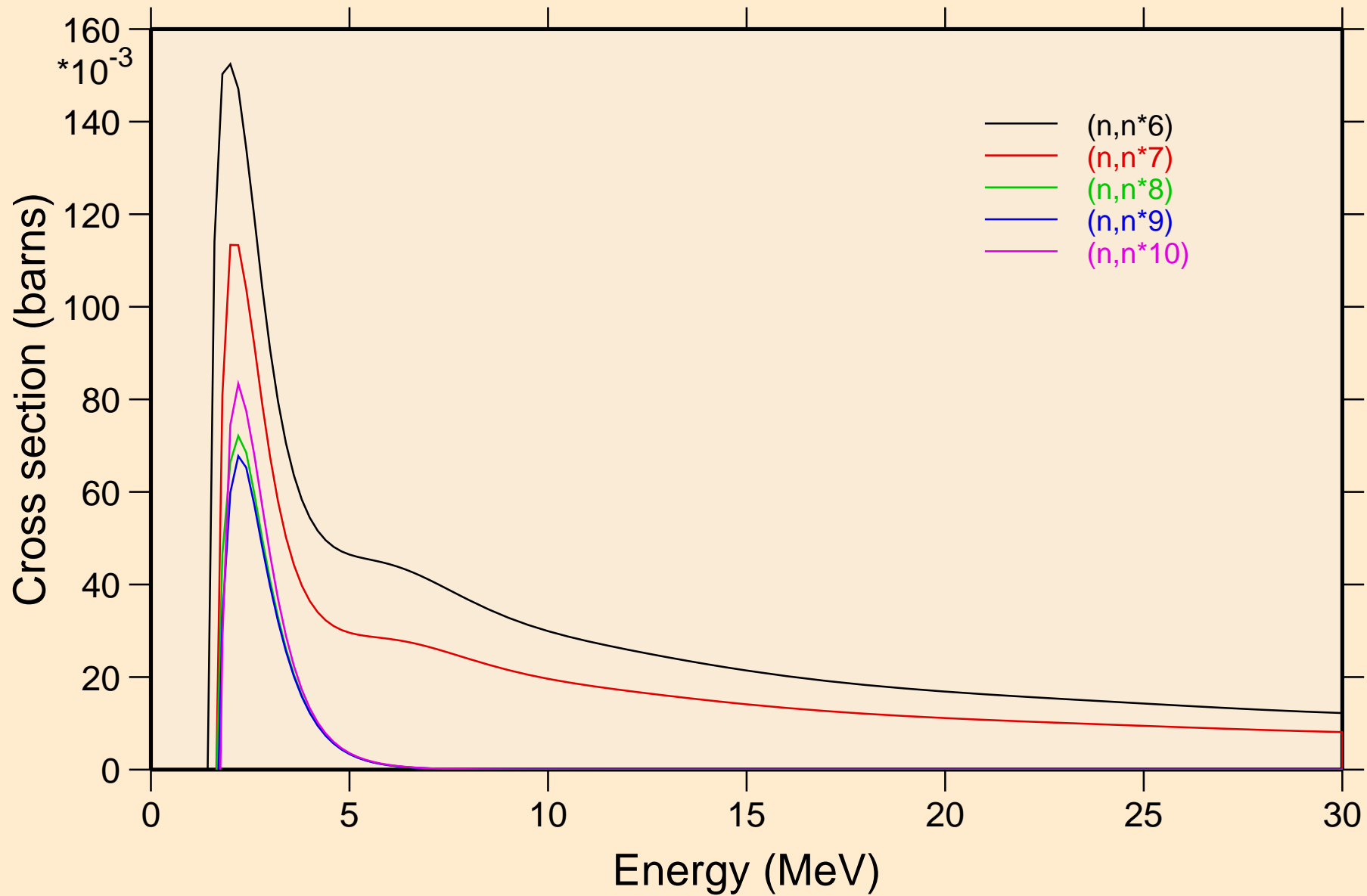
# SN115 NRG TENDL-2015, AKONING

## Inelastic levels



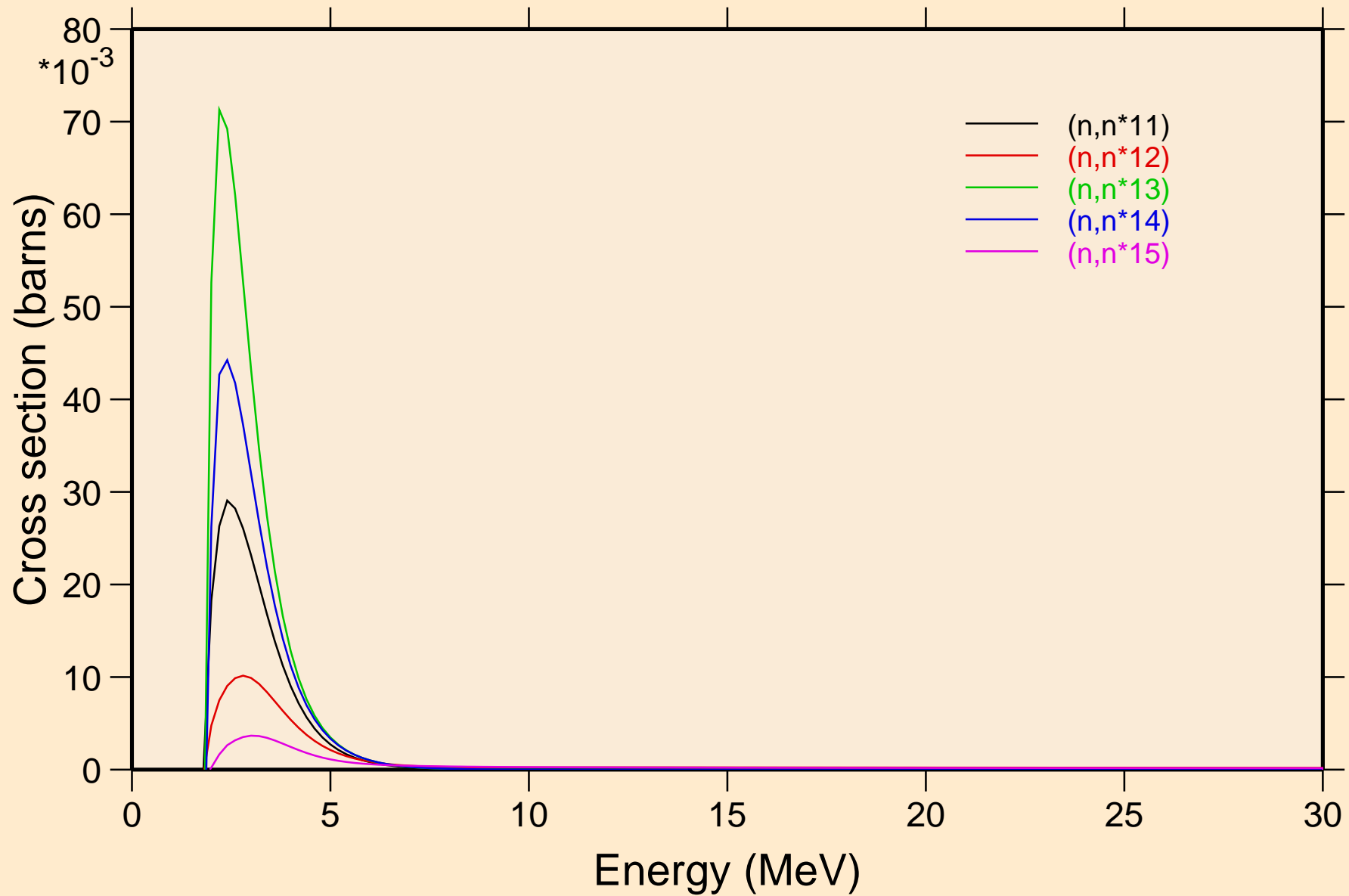
# SN115 NRG TENDL-2015, AKONING

## Inelastic levels



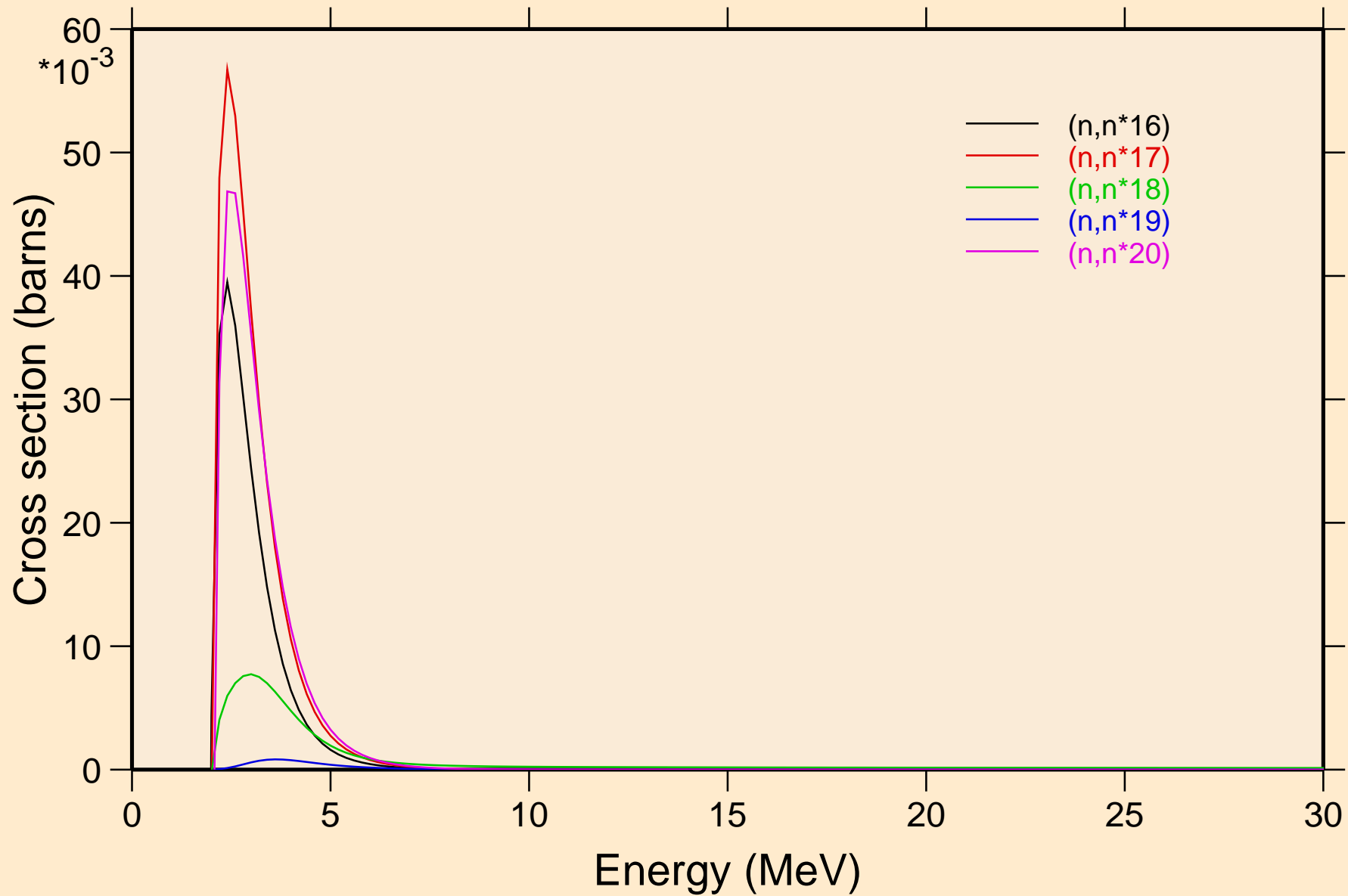
# SN115 NRG TENDL-2015, AKONING

## Inelastic levels



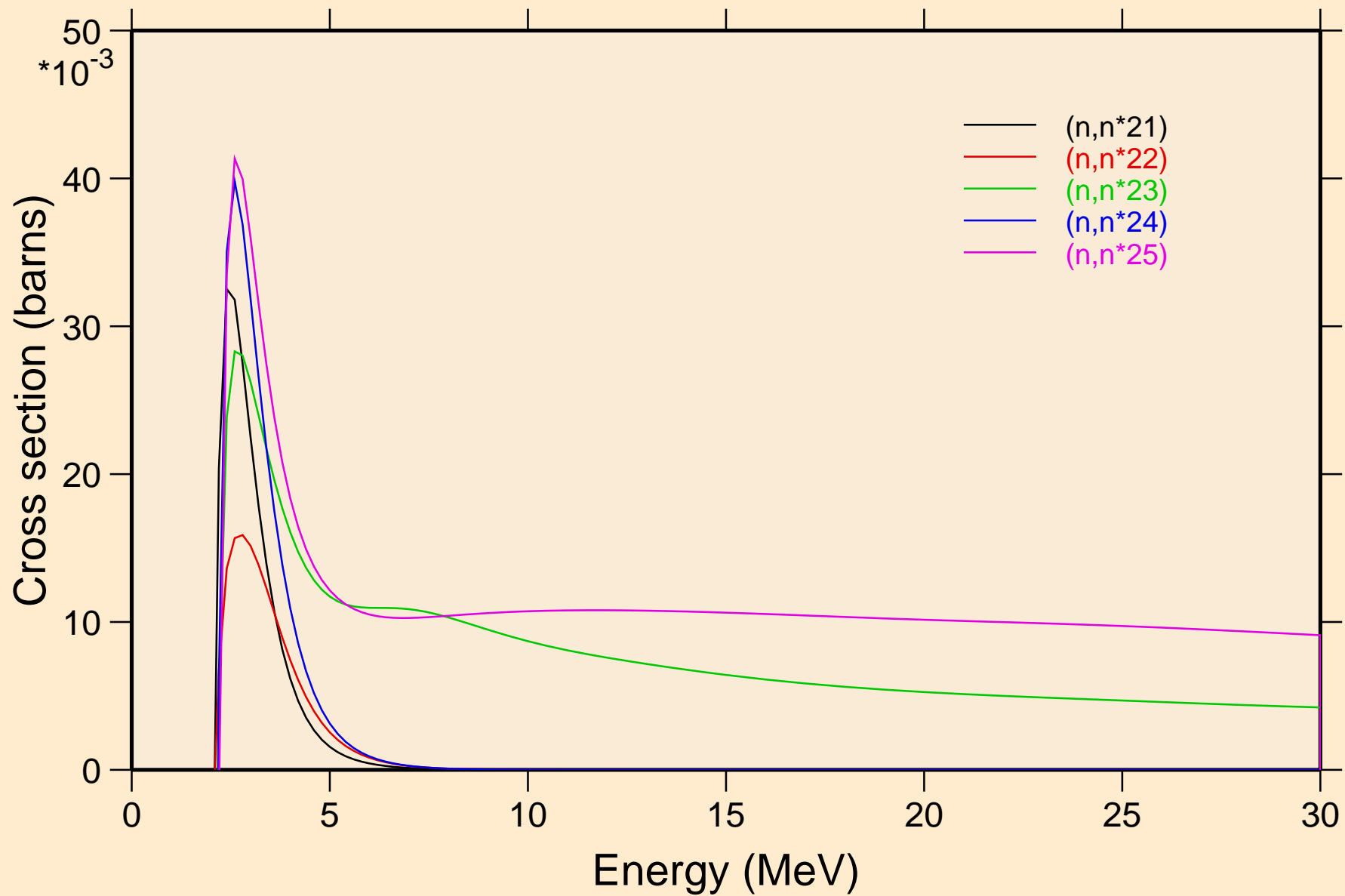
# SN115 NRG TENDL-2015, AKONING

## Inelastic levels



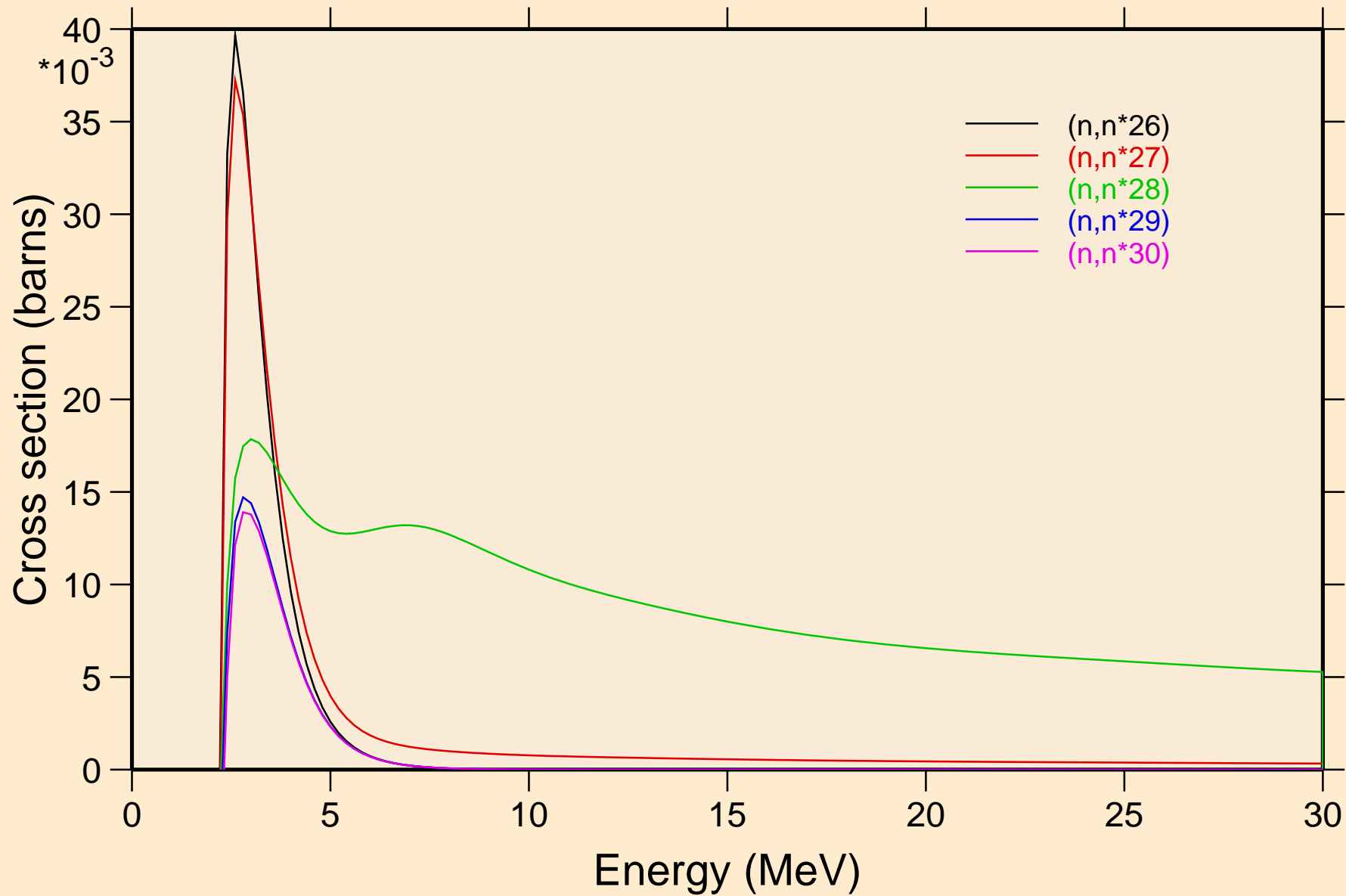
# SN115 NRG TENDL-2015, AKONING

## Inelastic levels



# SN115 NRG TENDL-2015, AKONING

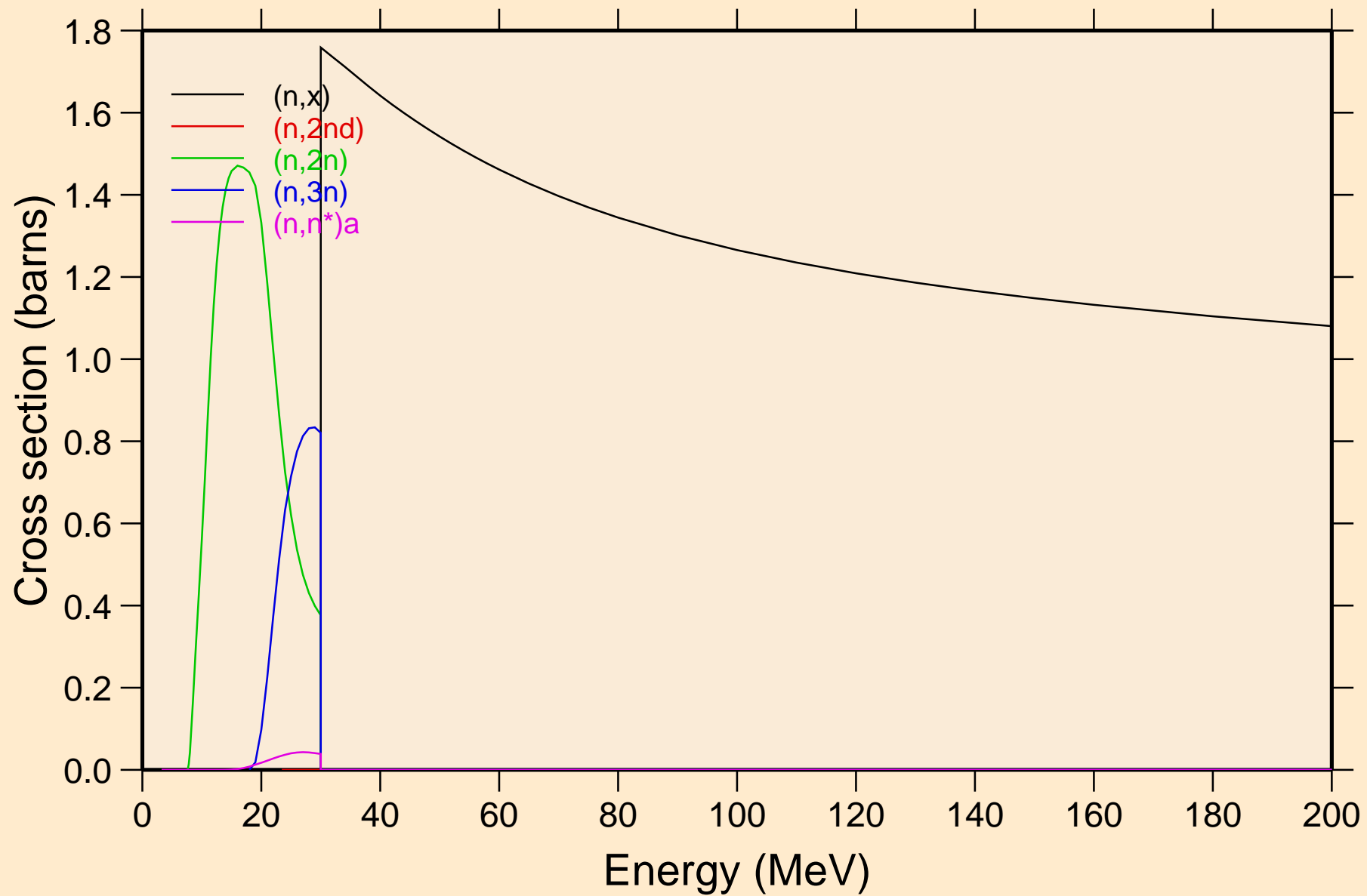
## Inelastic levels





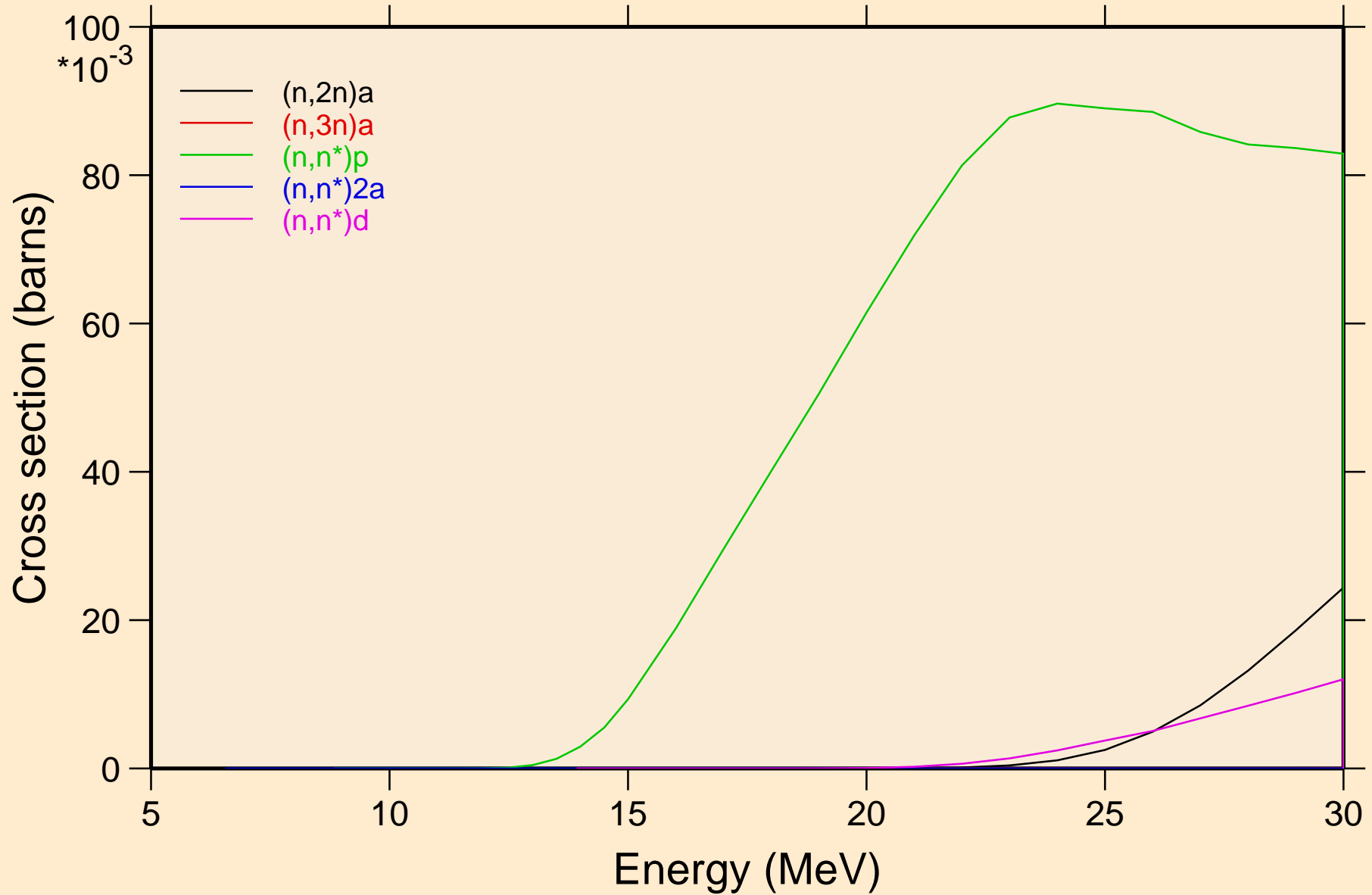
# SN115 NRG TENDL-2015, AKONING

## Threshold reactions



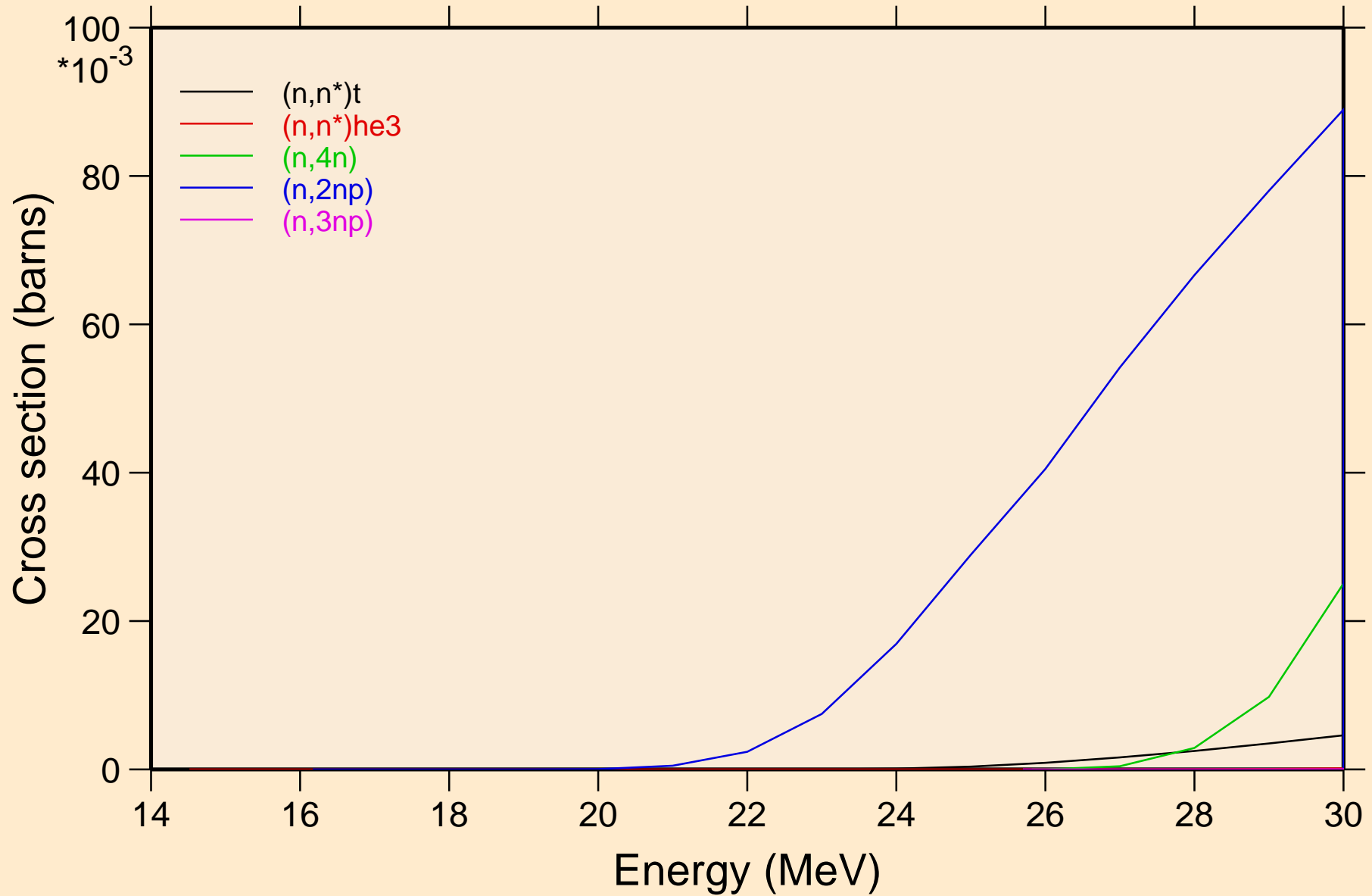
# SN115 NRG TENDL-2015, AKONING

## Threshold reactions



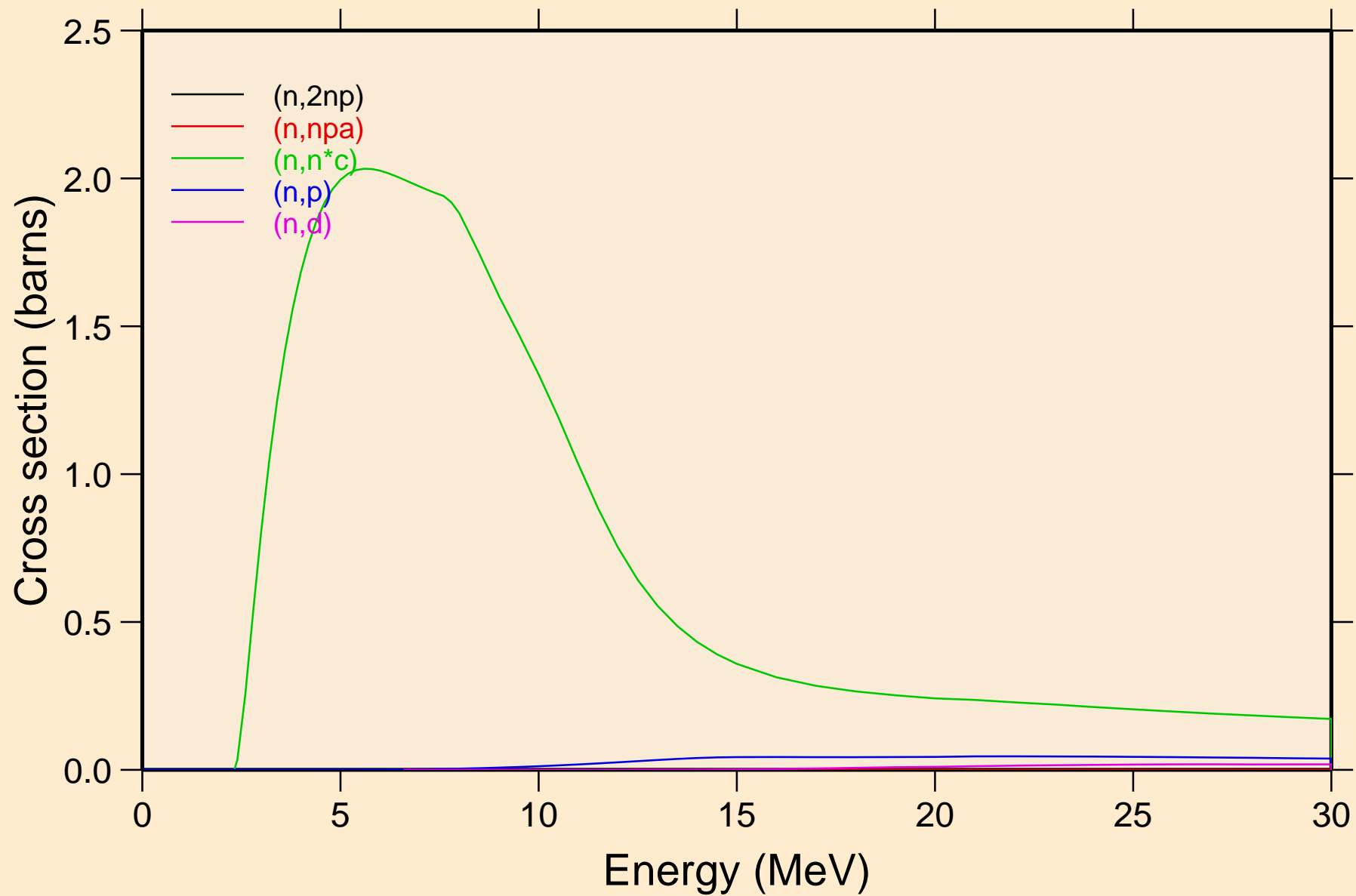
# SN115 NRG TENDL-2015, AKONING

## Threshold reactions



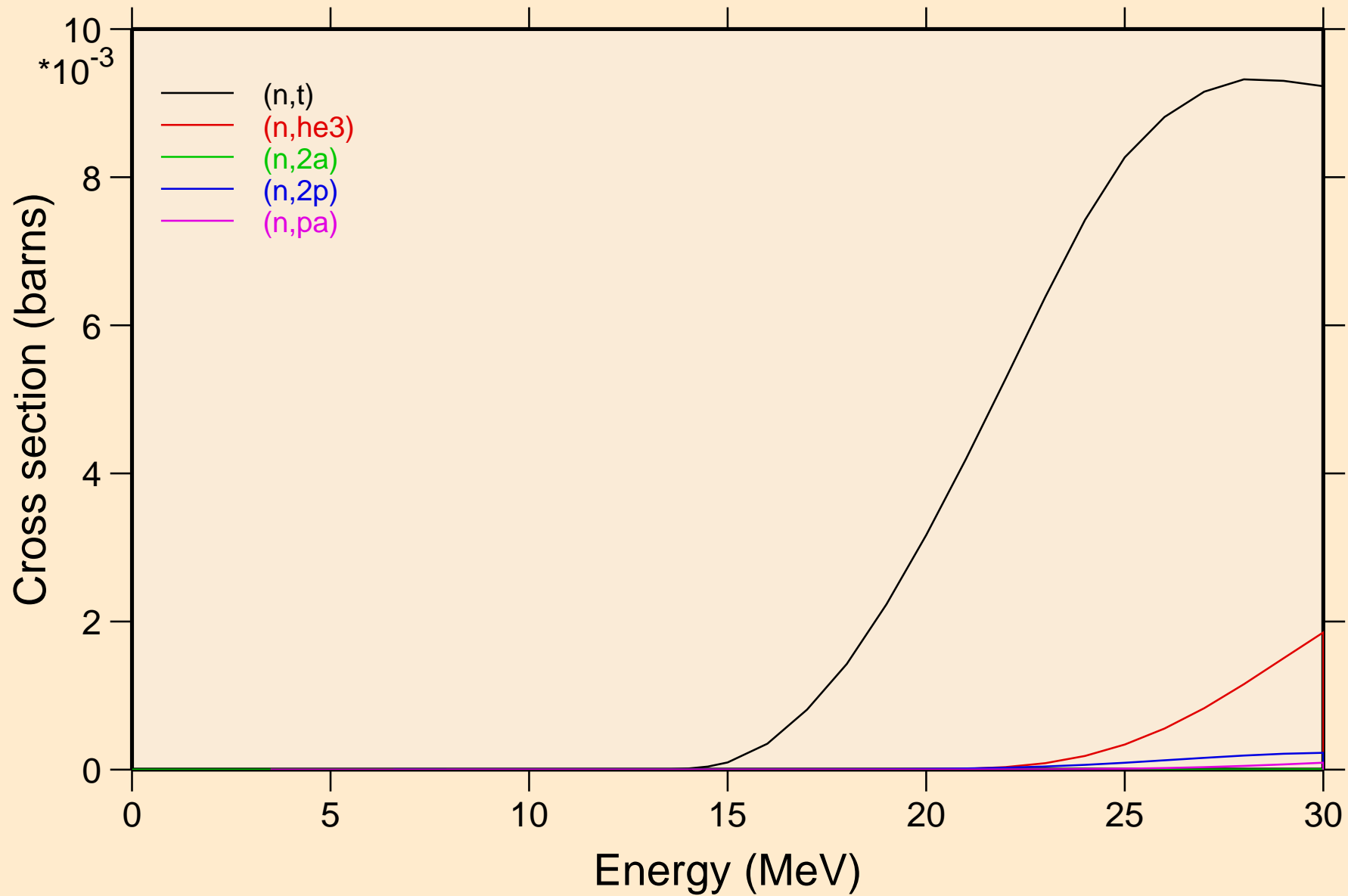
# SN115 NRG TENDL-2015, AKONING

## Threshold reactions



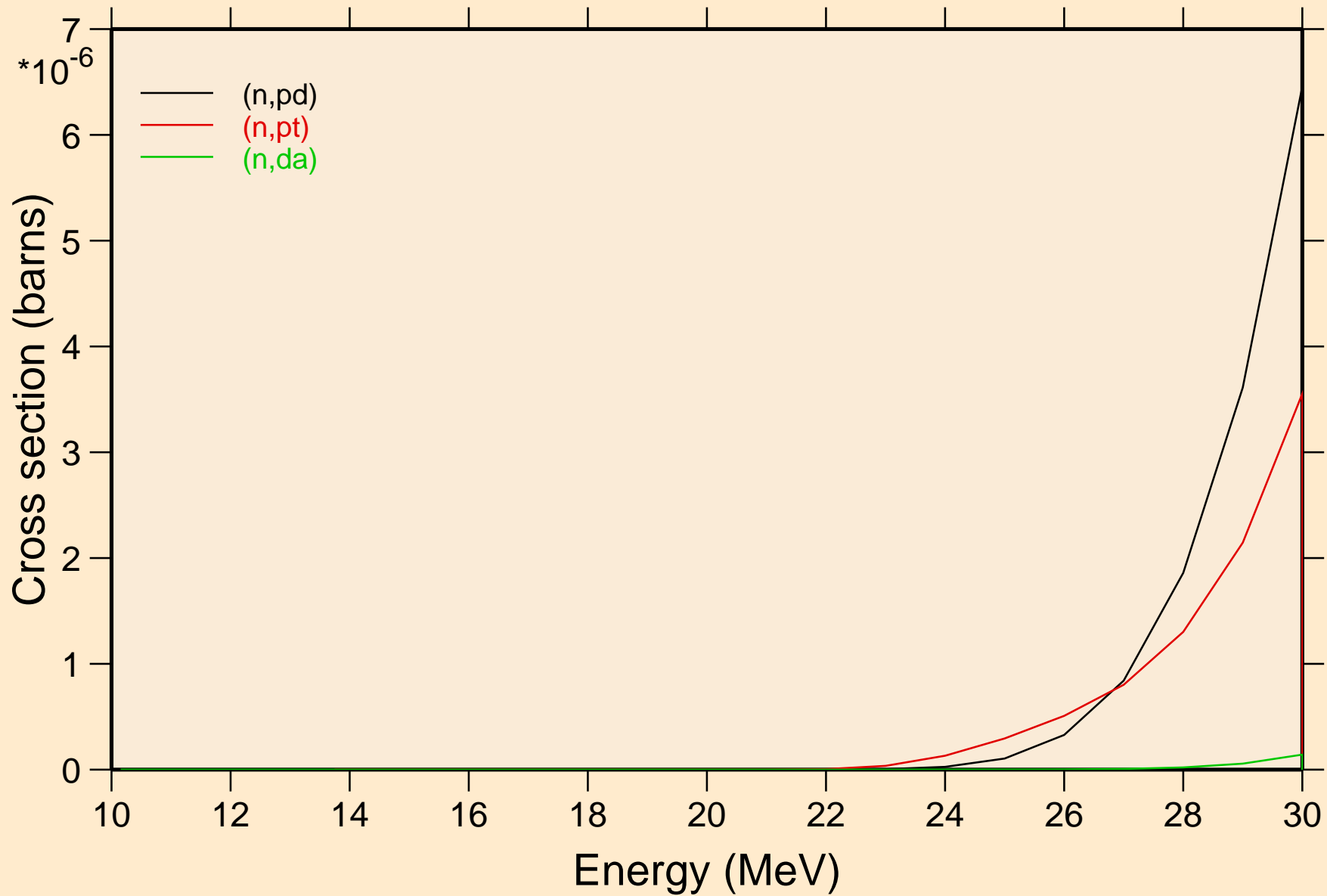
# SN115 NRG TENDL-2015, AKONING

## Threshold reactions

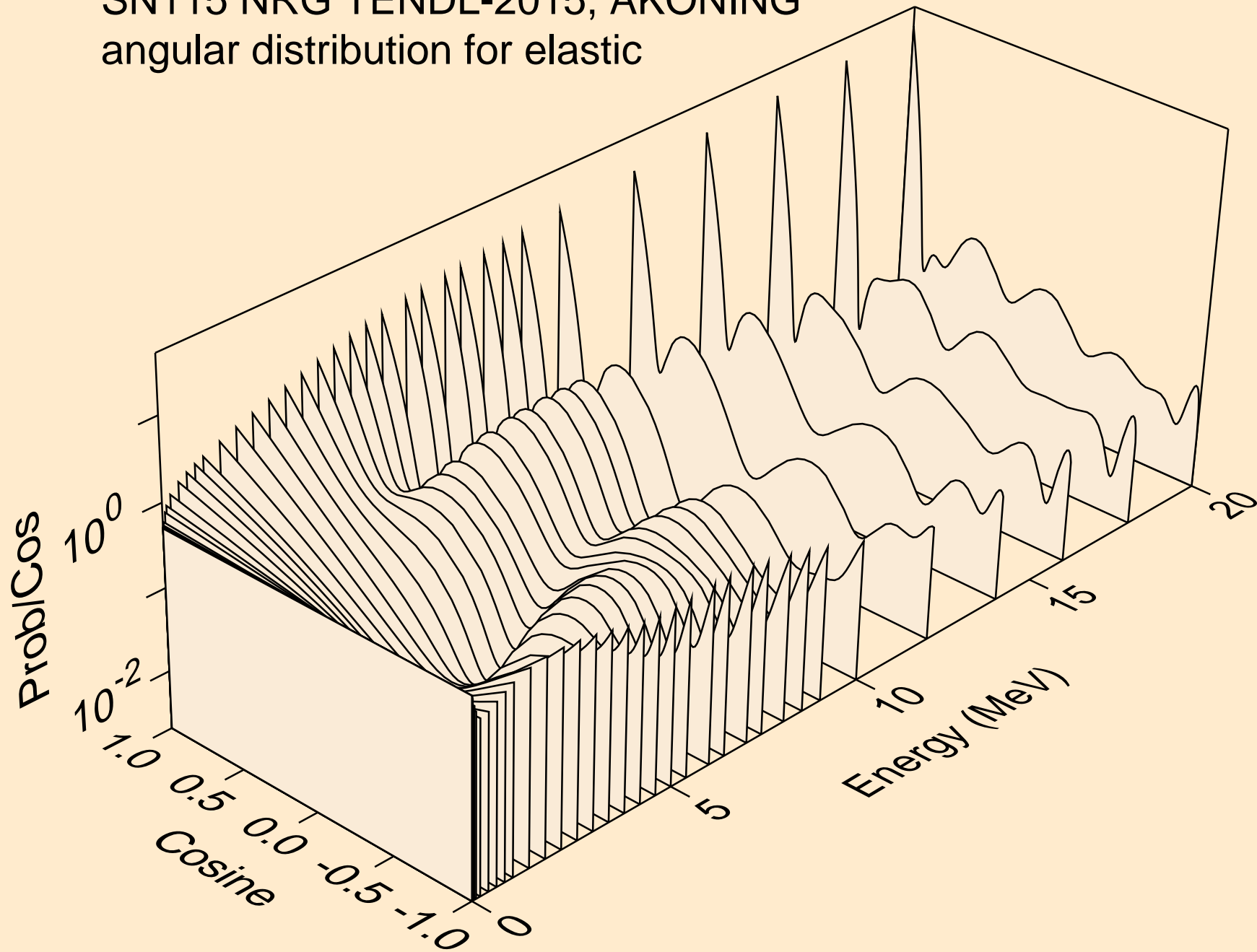


# SN115 NRG TENDL-2015, AKONING

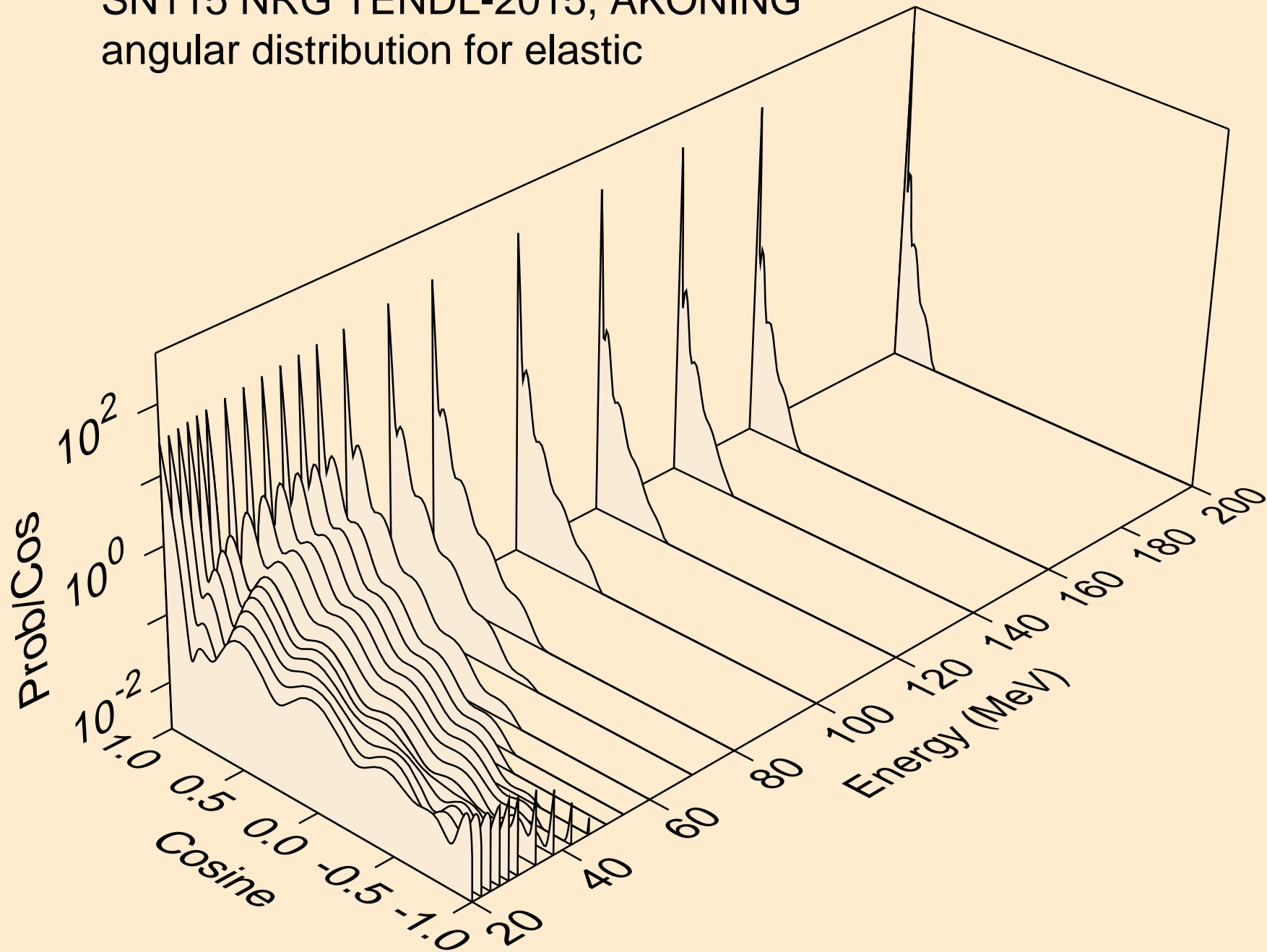
## Threshold reactions



SN115 NRG TENDL-2015, AKONING  
angular distribution for elastic

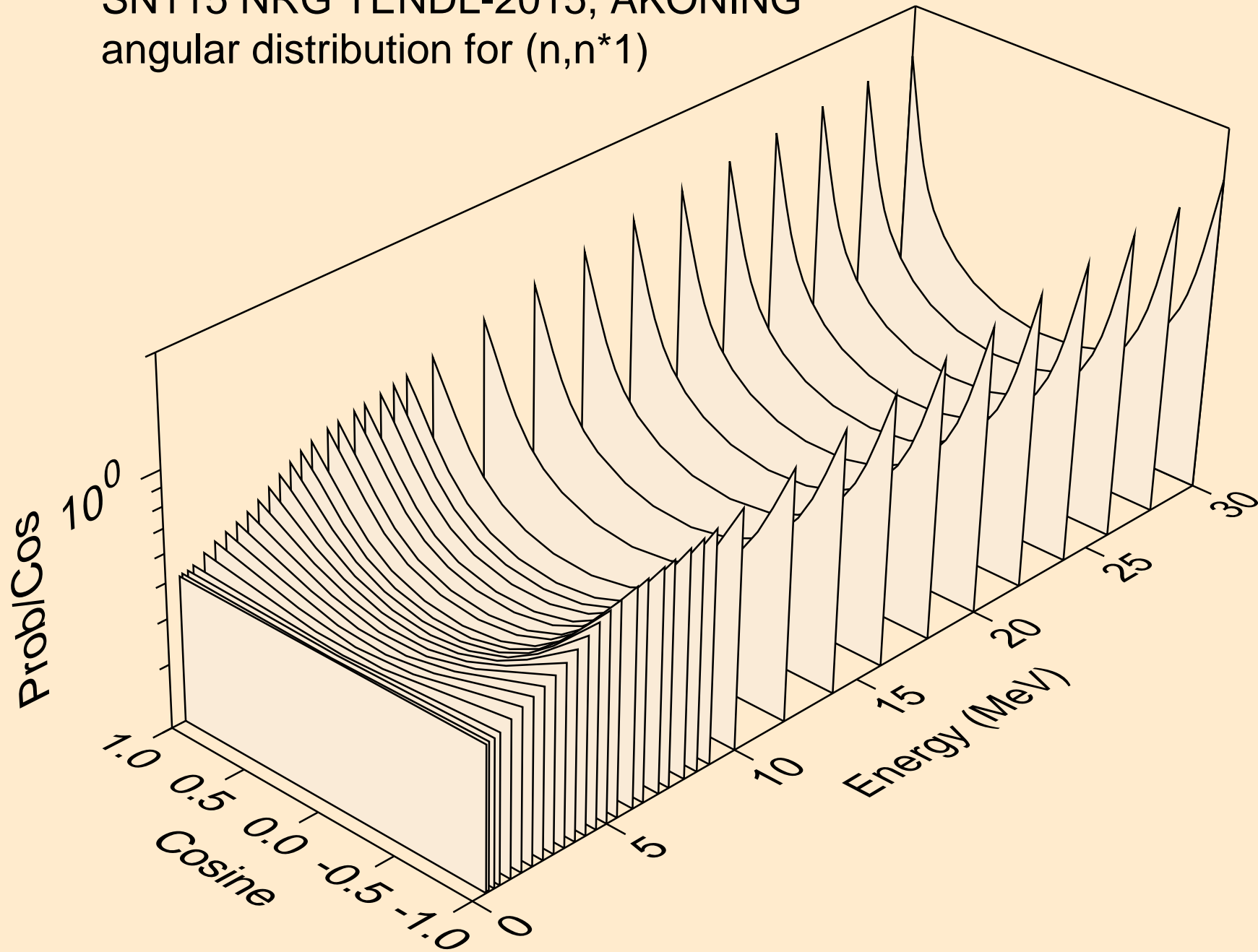


SN115 NRG TENDL-2015, AKONING  
angular distribution for elastic

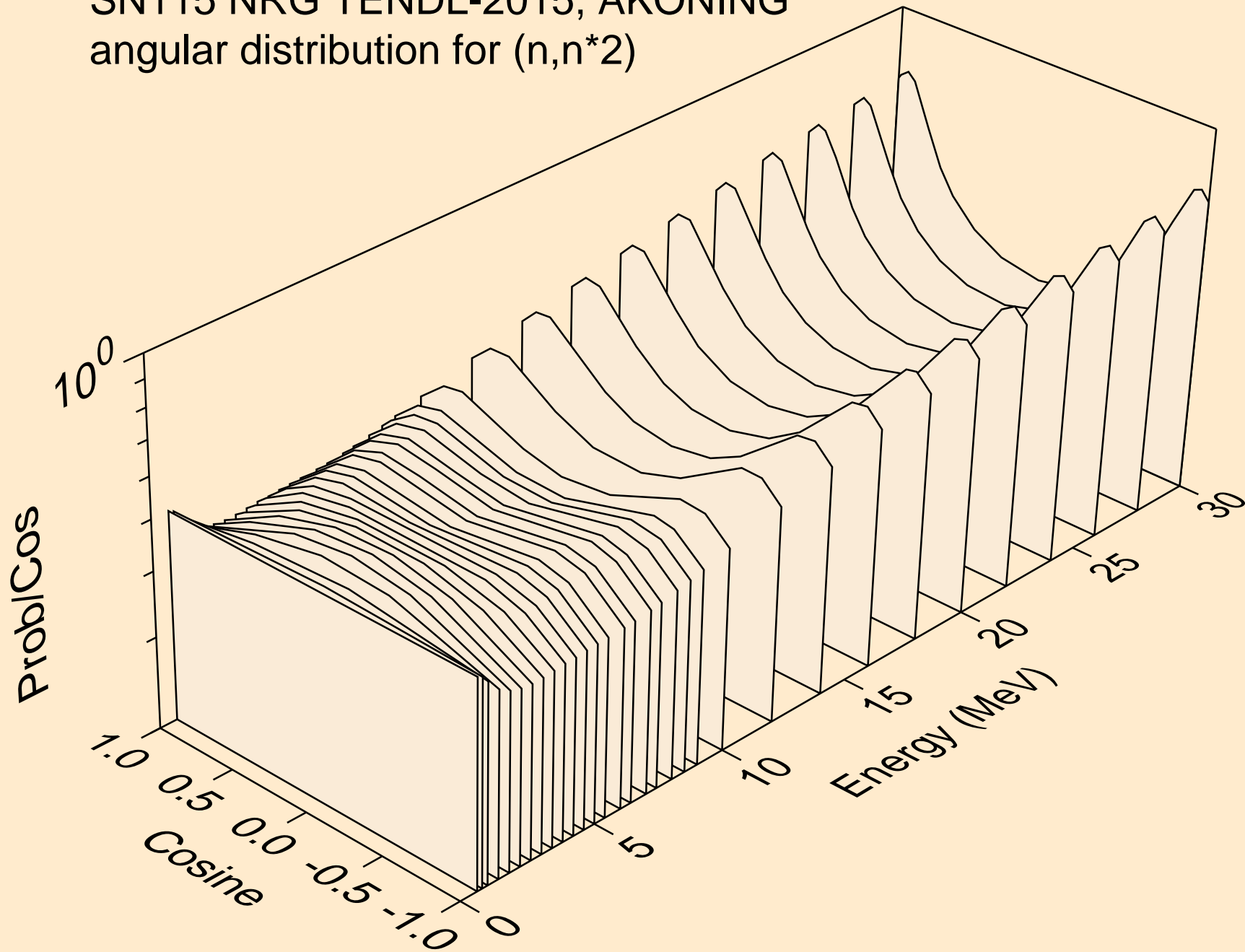




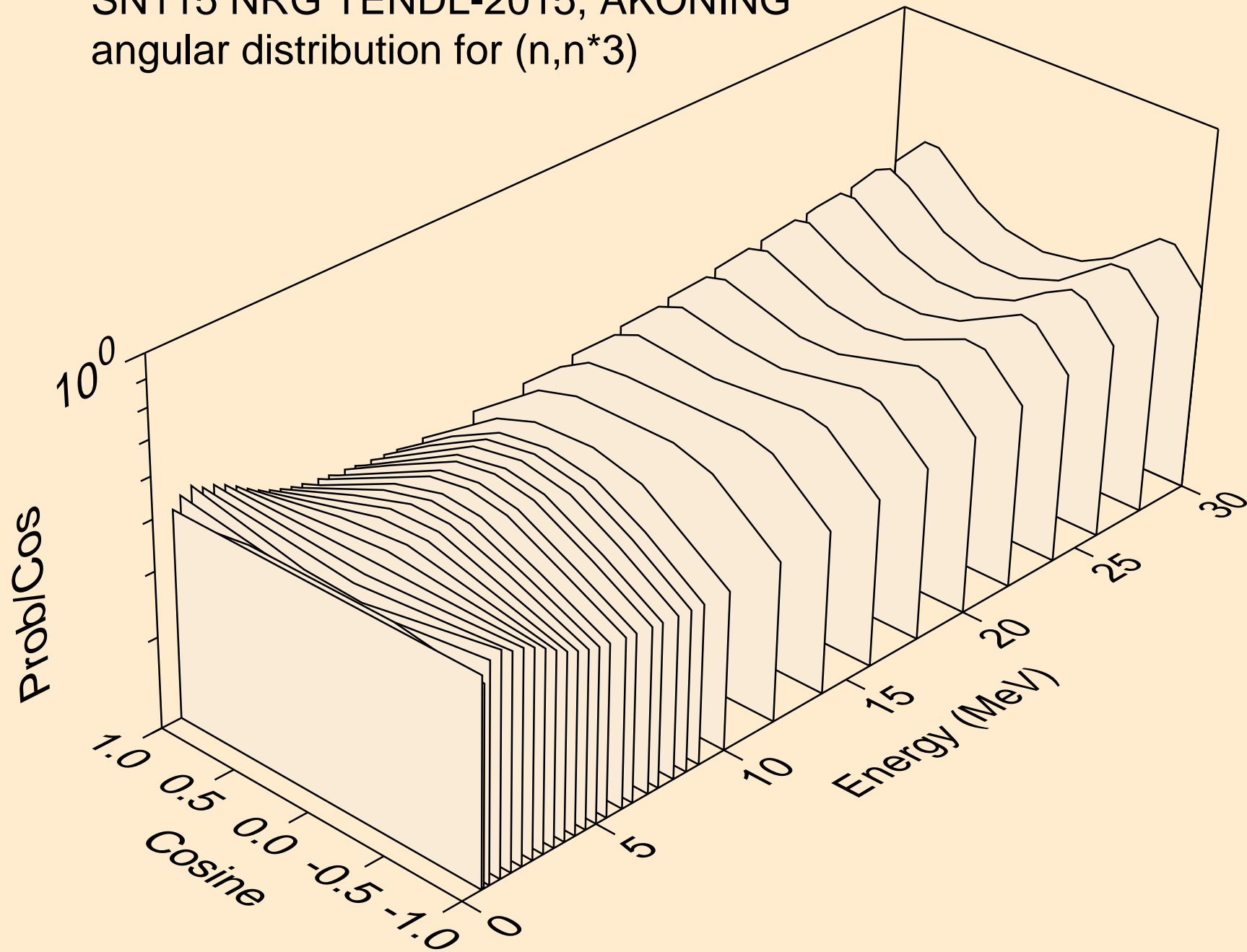
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



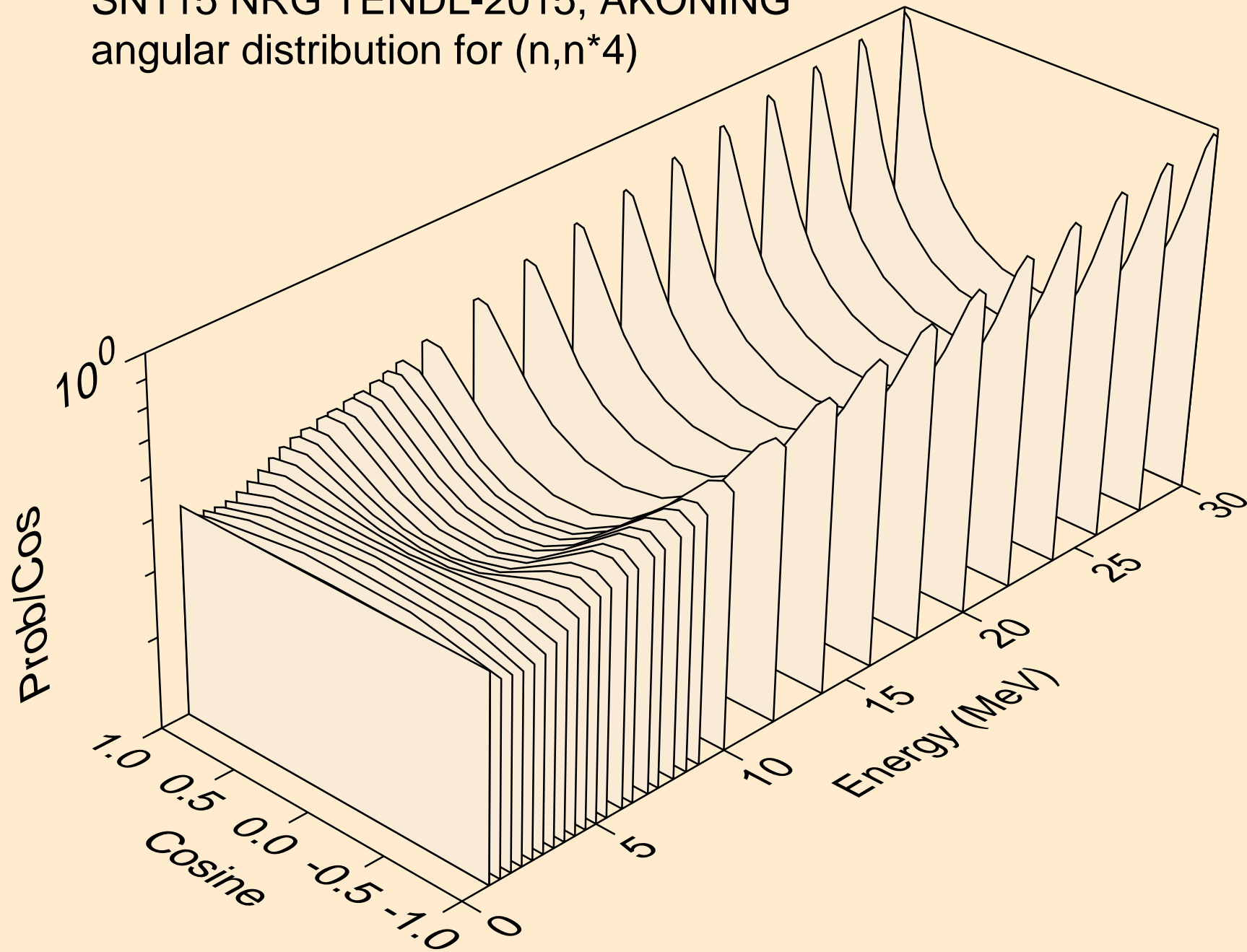
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angular distribution for (n,n\*2)



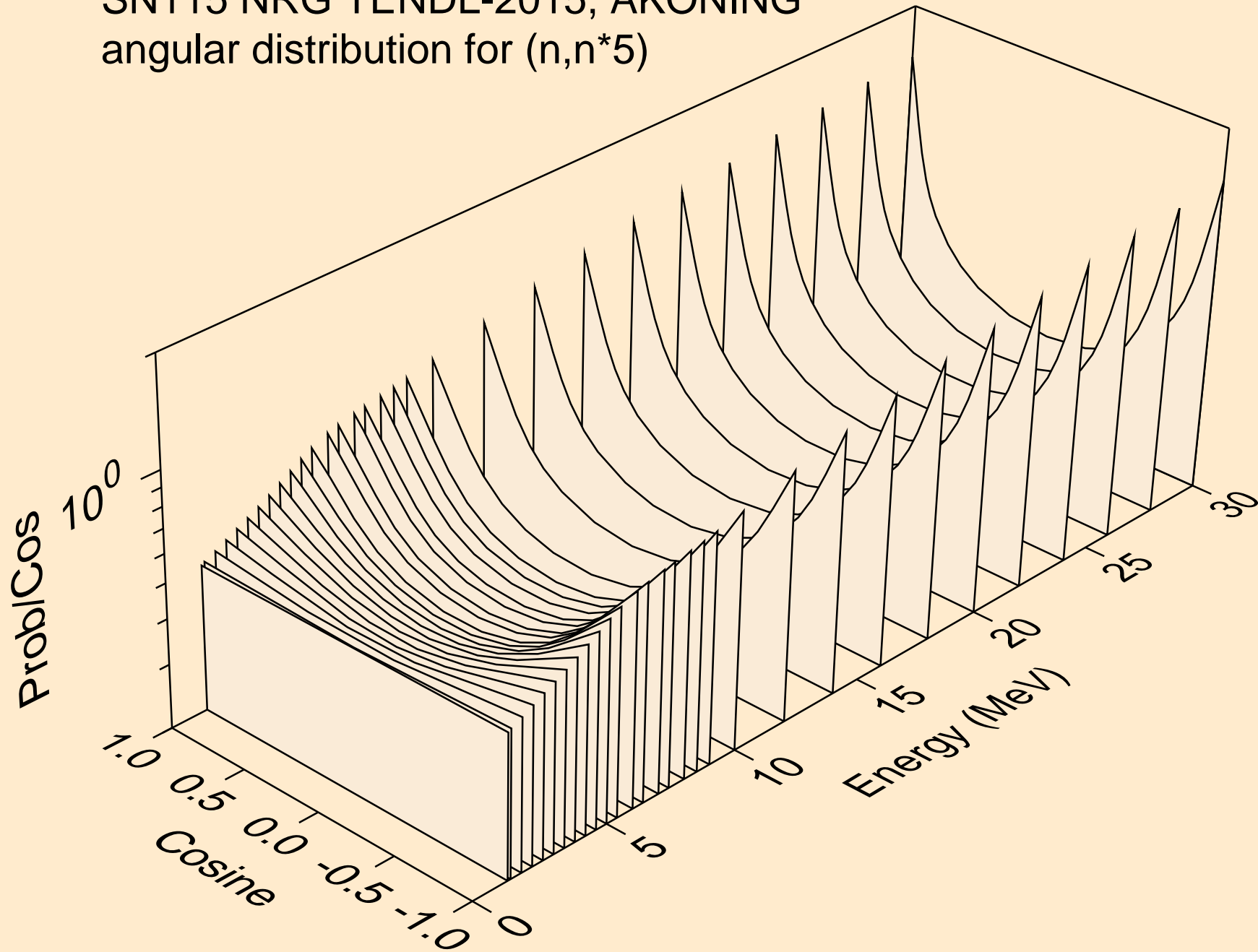
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angular distribution for (n,n\*3)



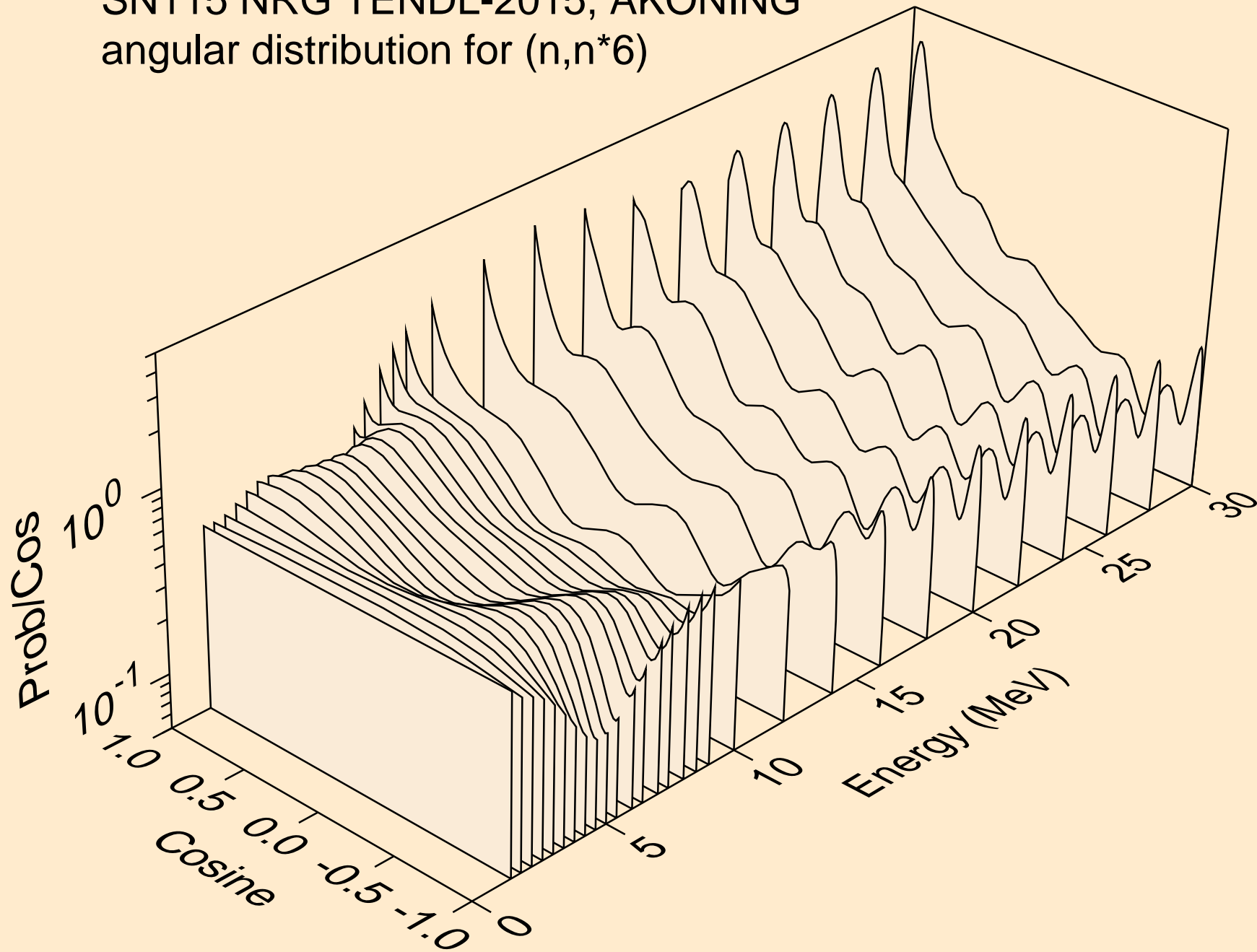
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



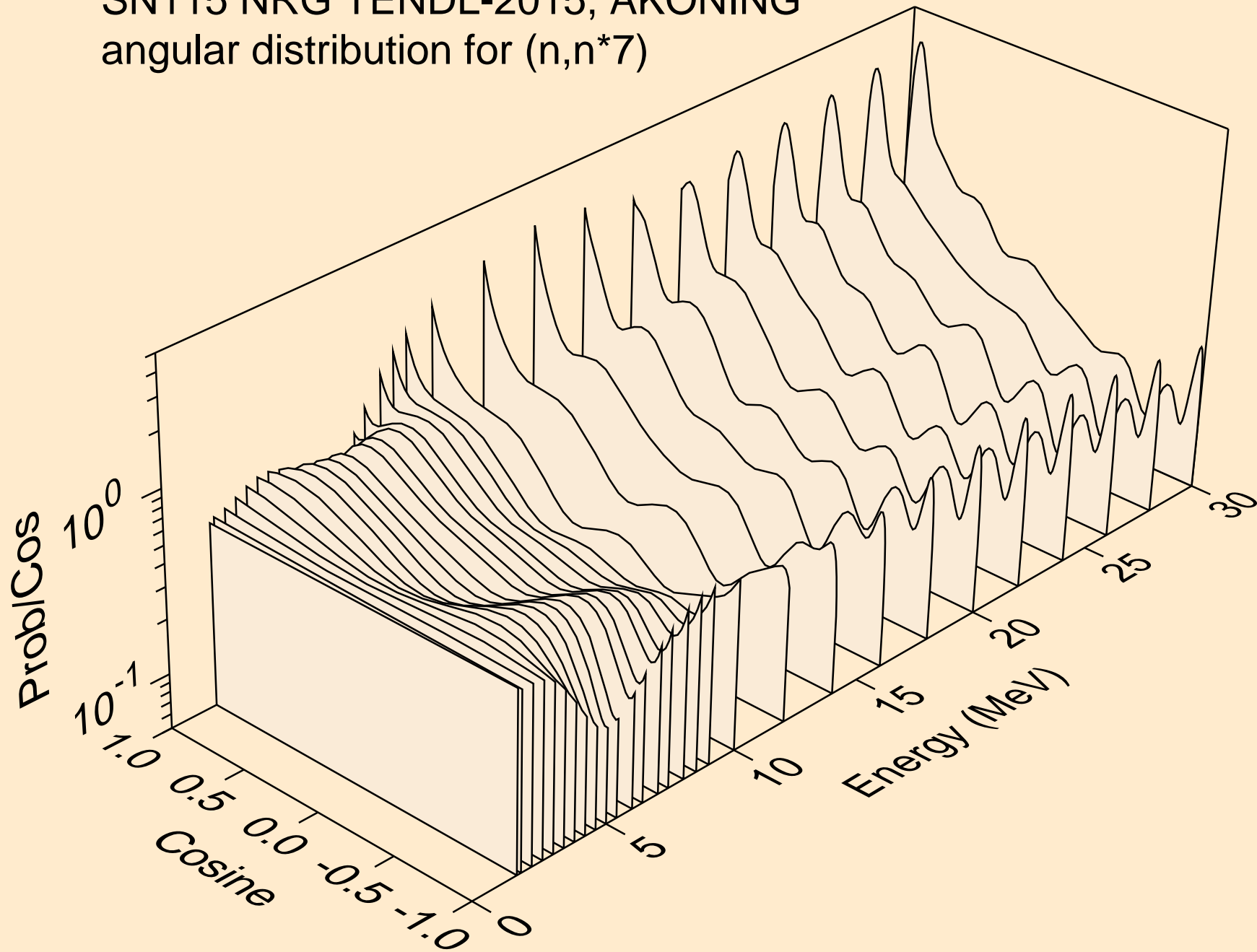
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



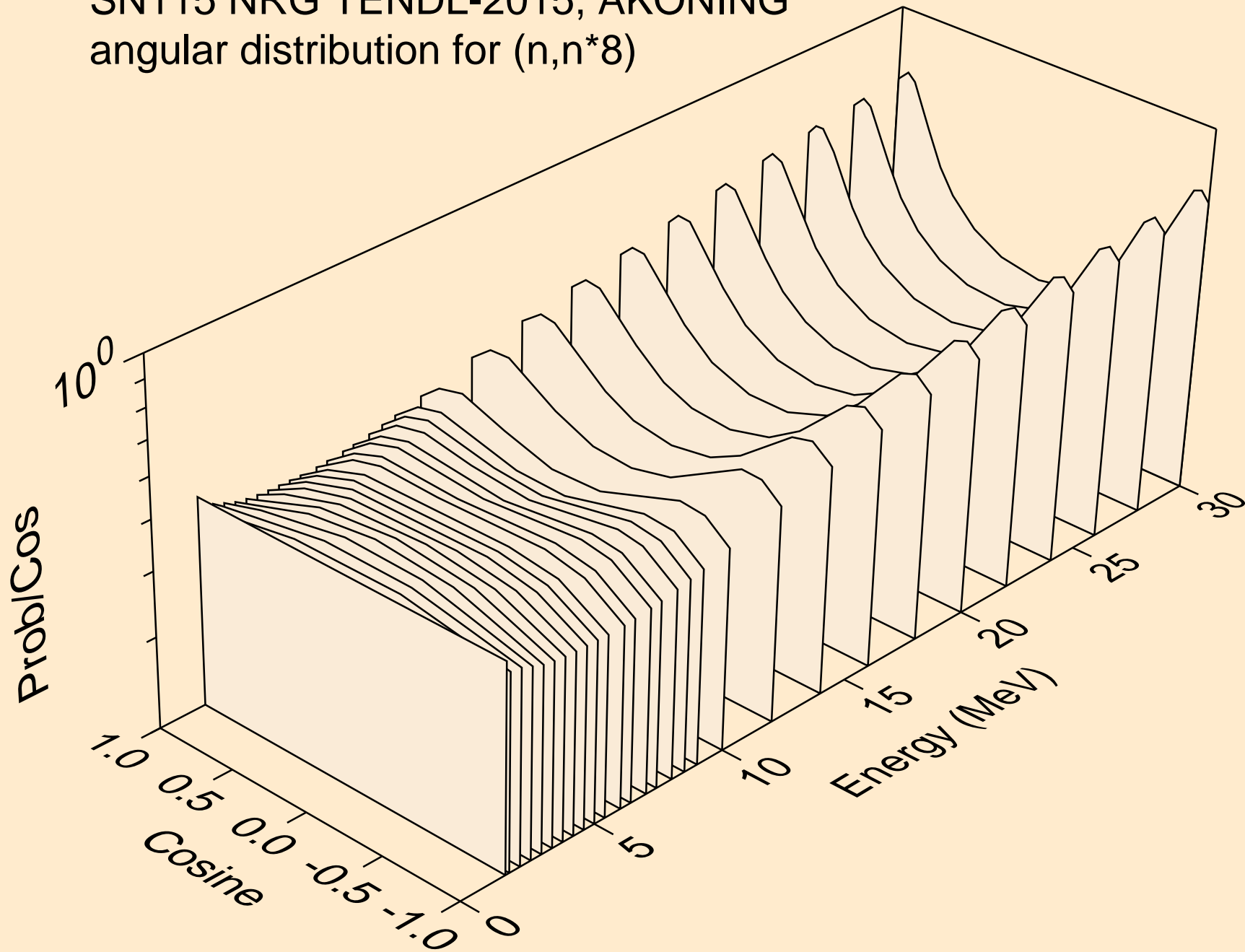
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

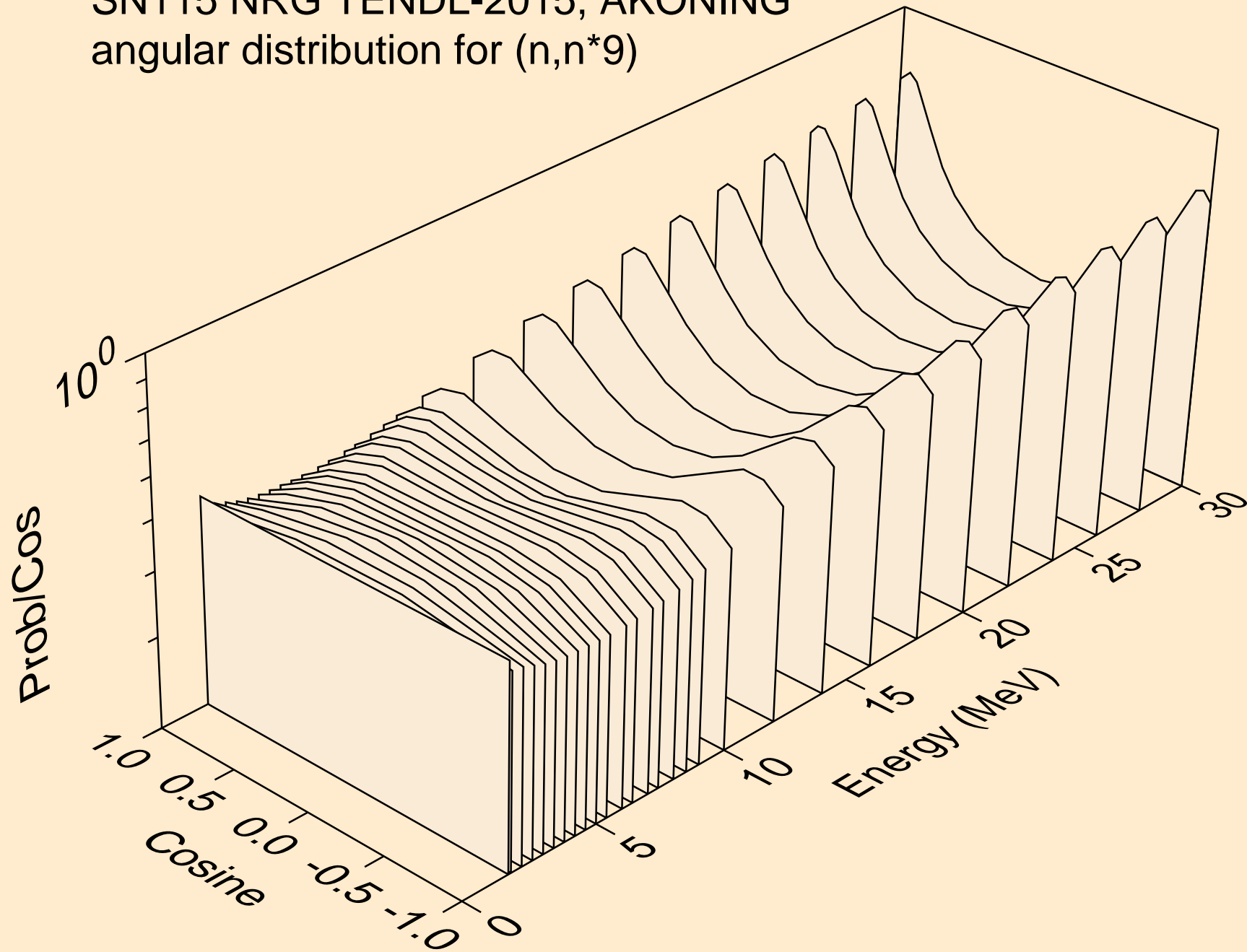


SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

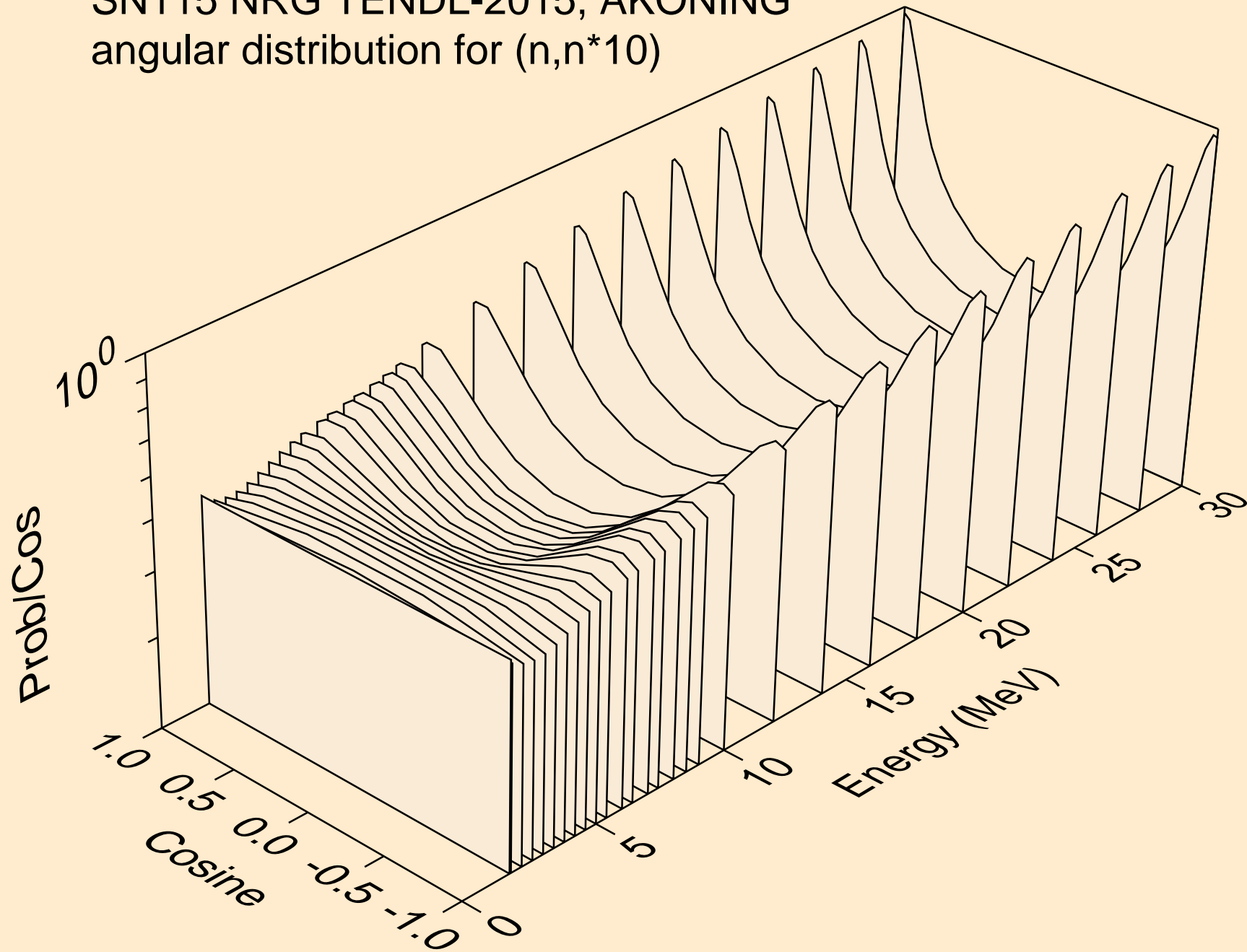




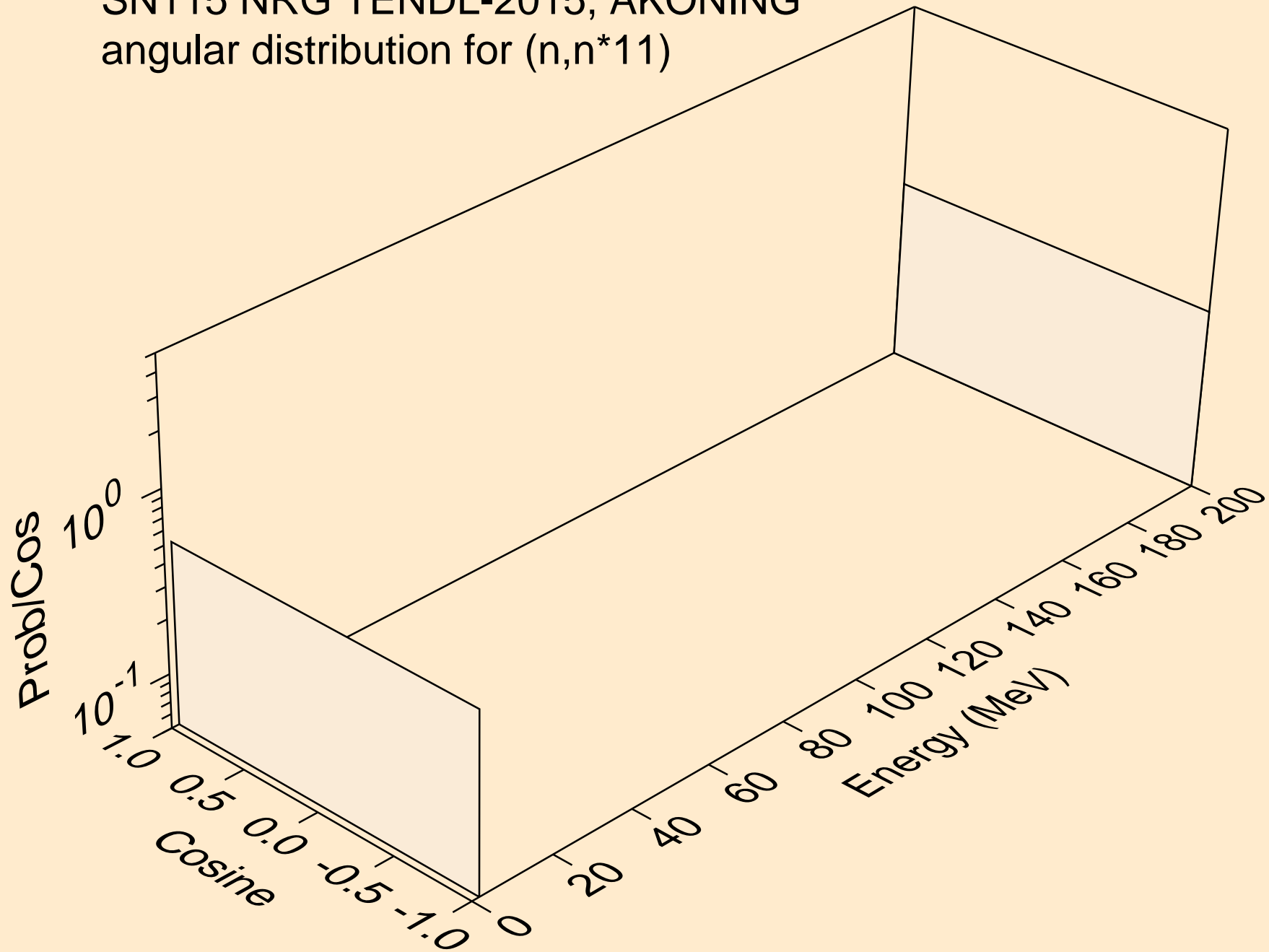
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angular distribution for (n,n\*9)



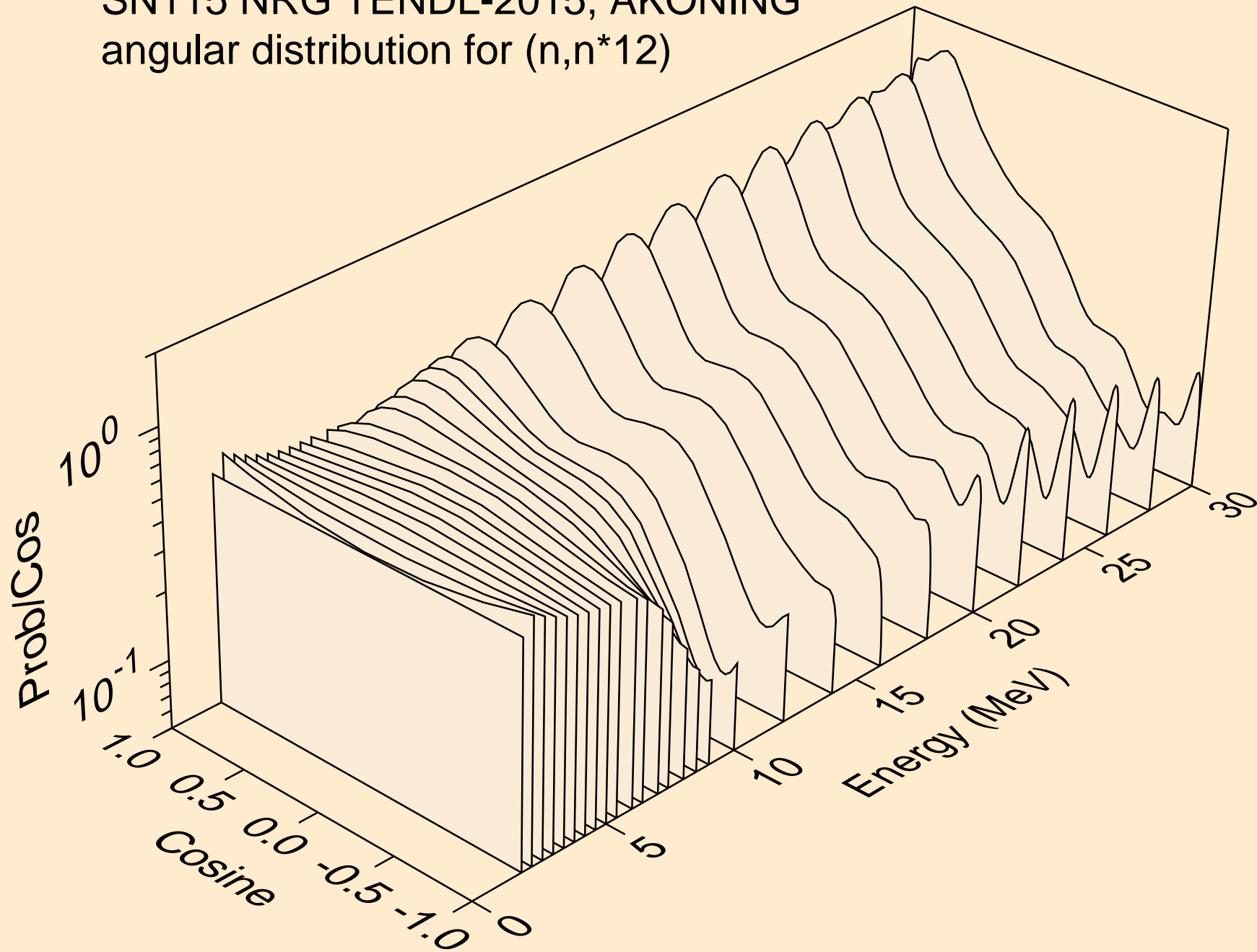
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angular distribution for (n,n\*10)



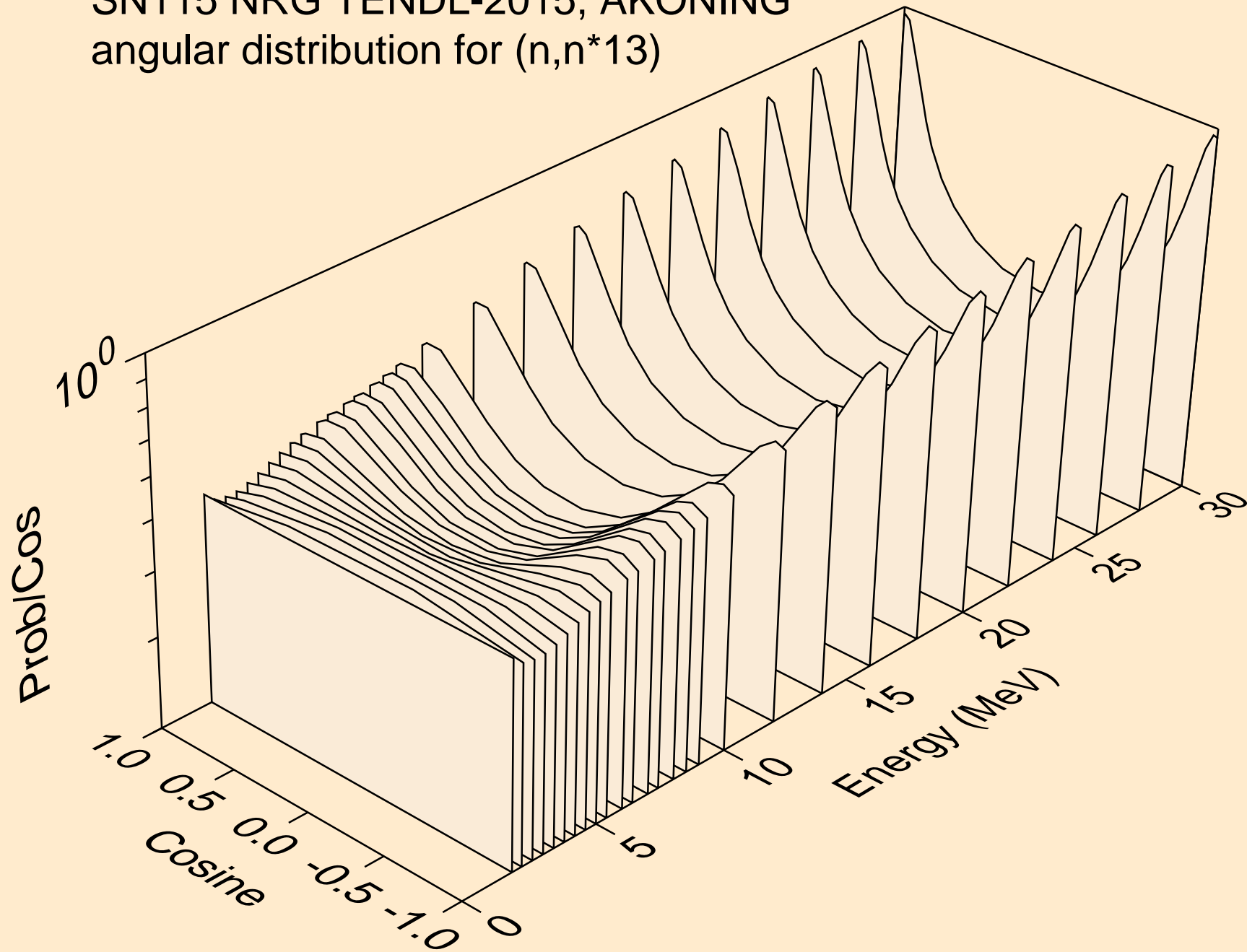
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angular distribution for (n,n\*11)



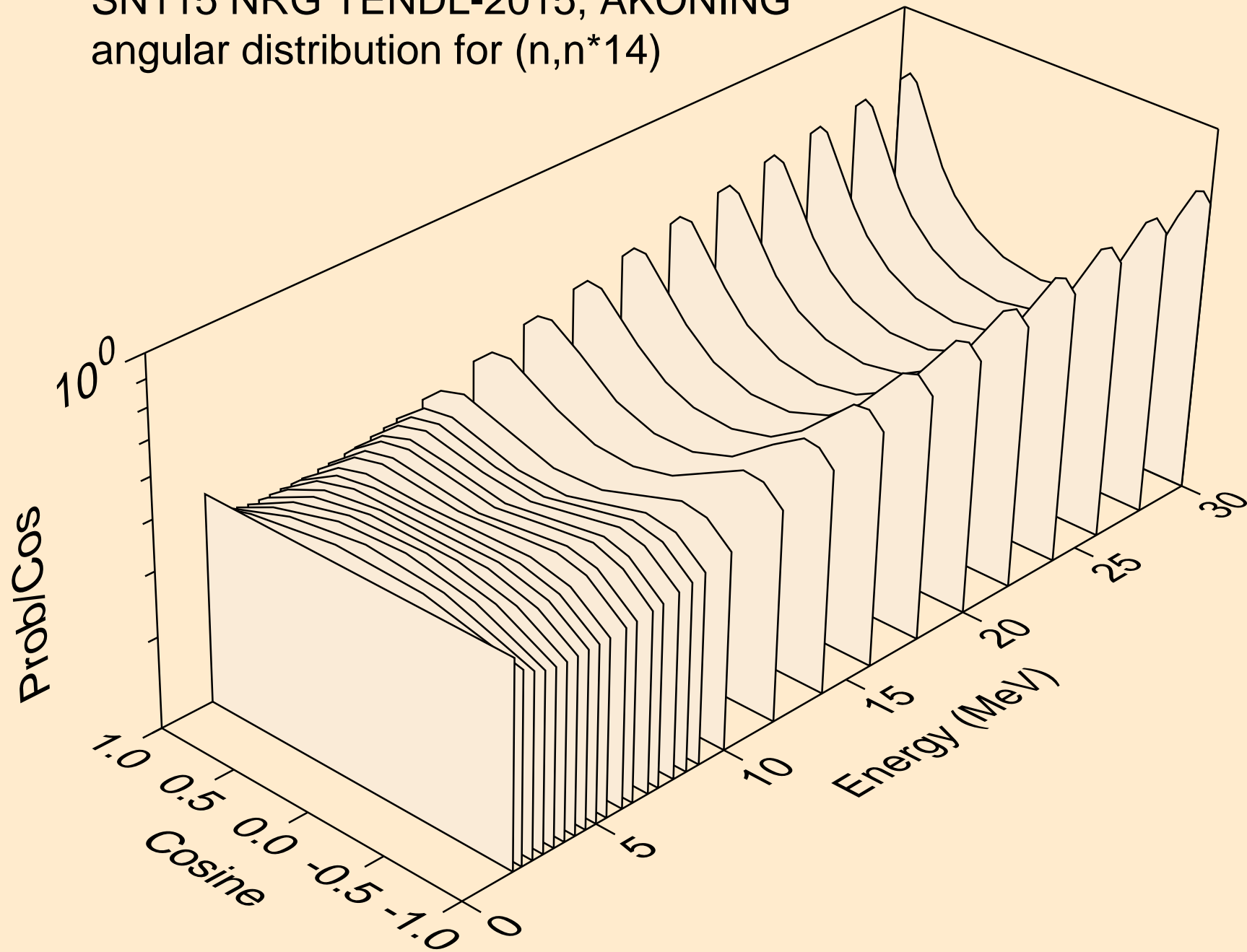
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angular distribution for (n,n\*12)



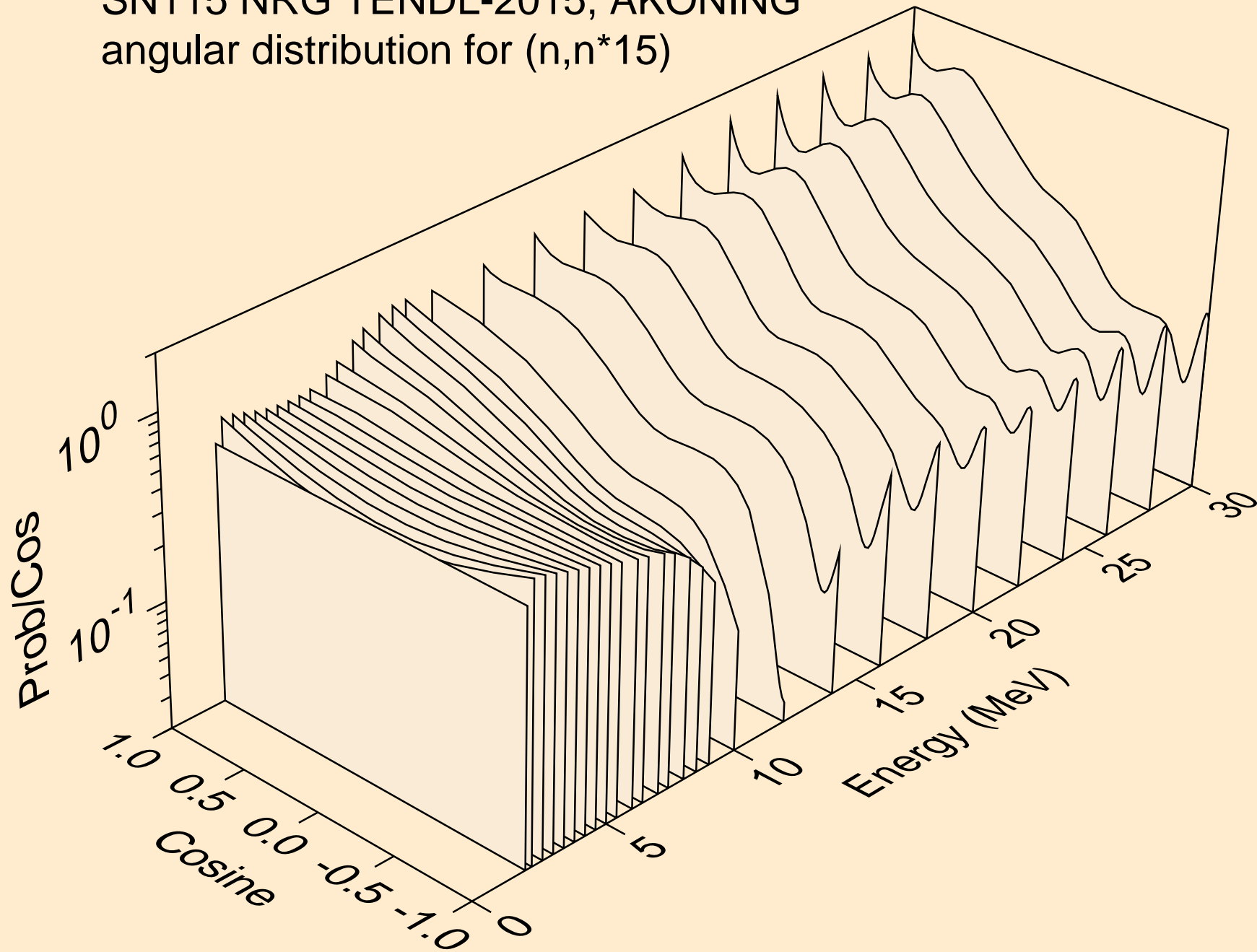
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angular distribution for (n,n\*13)



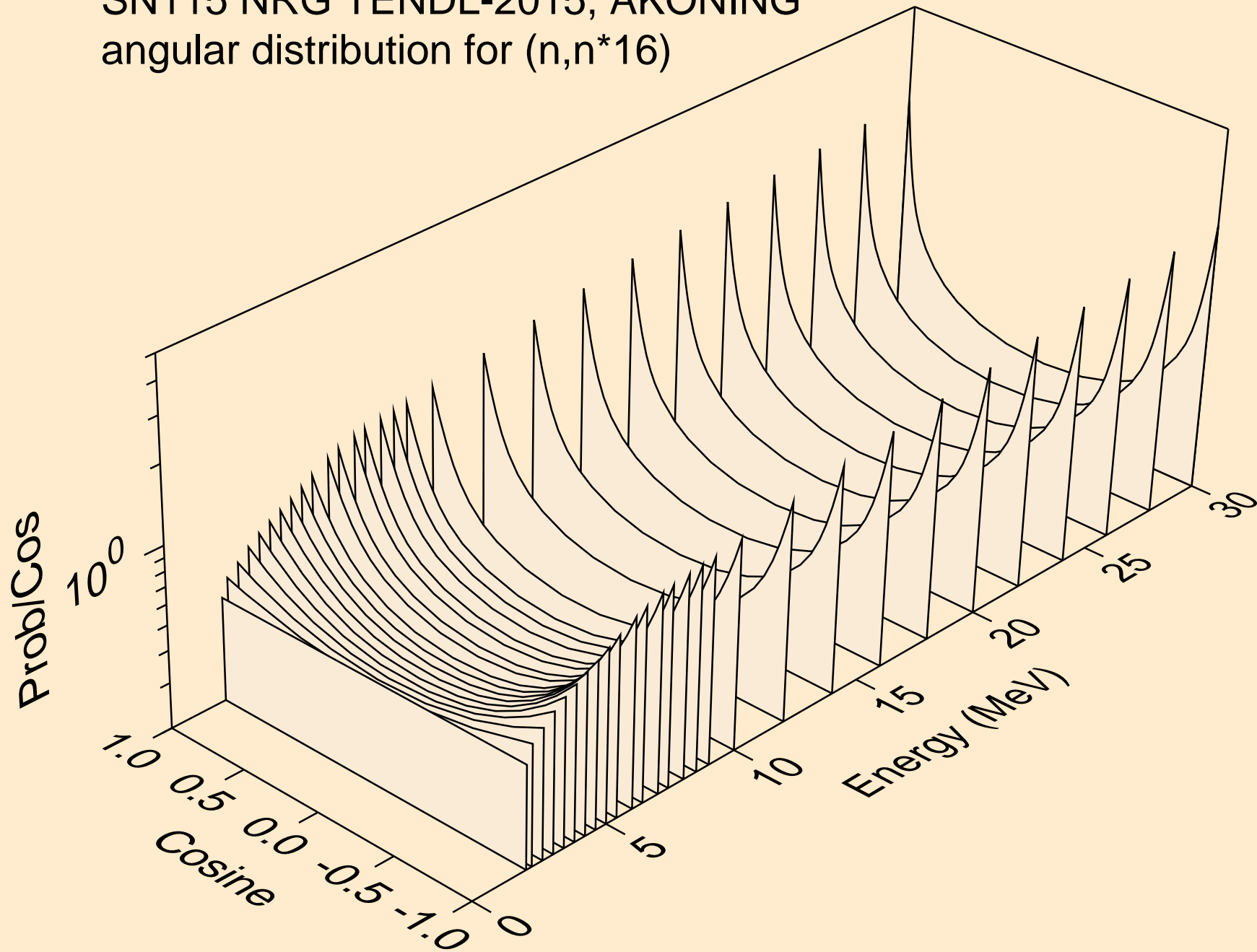
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

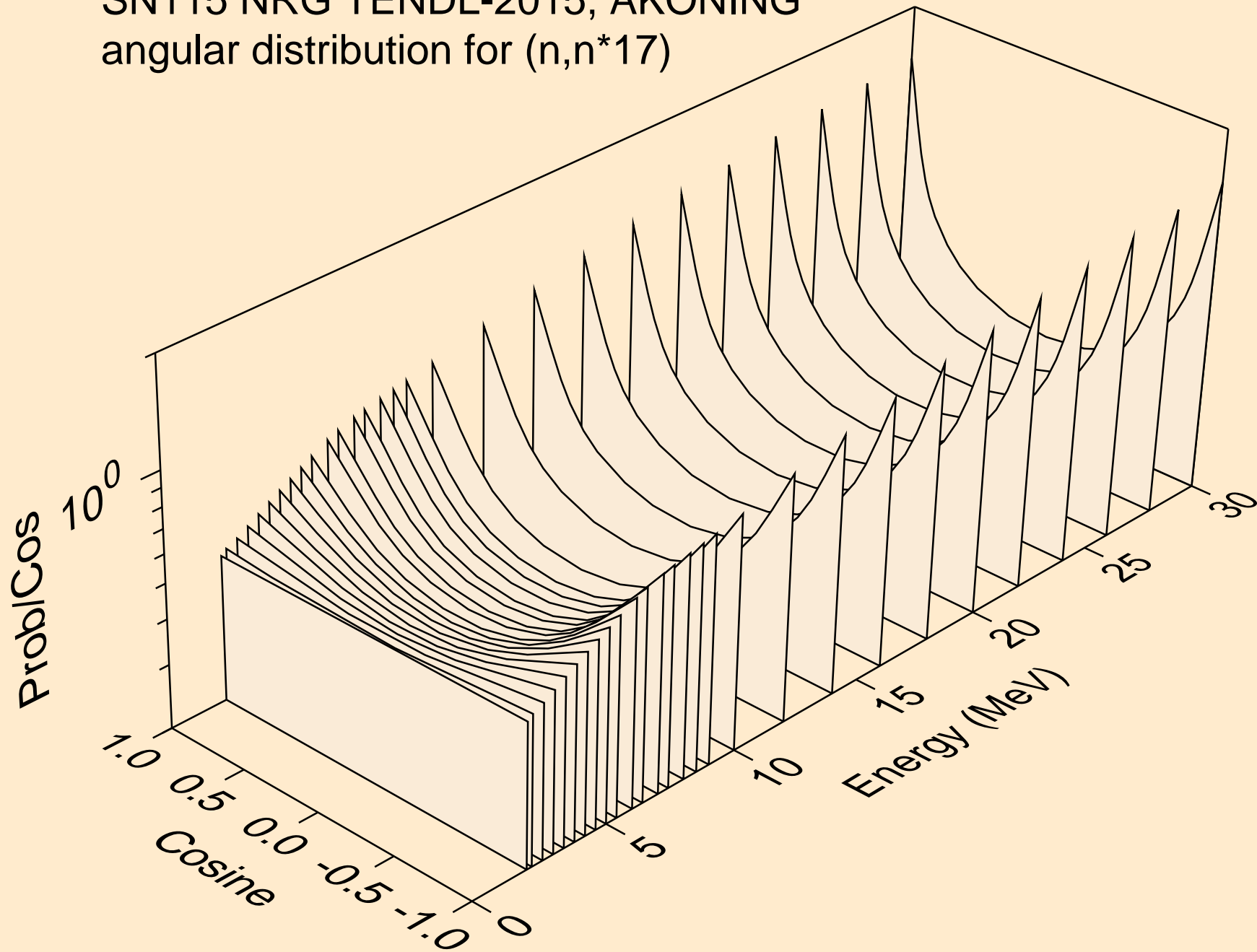


SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

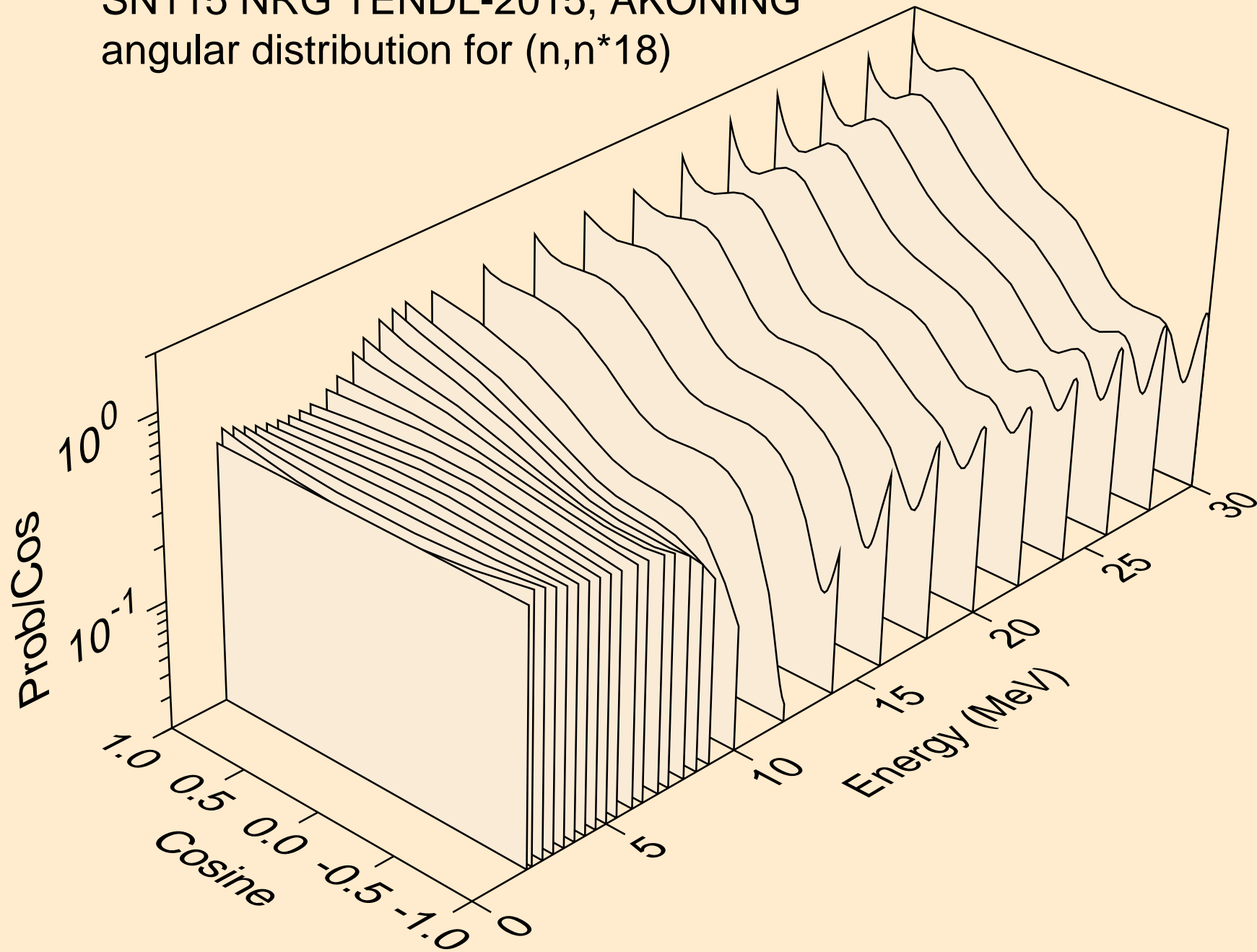




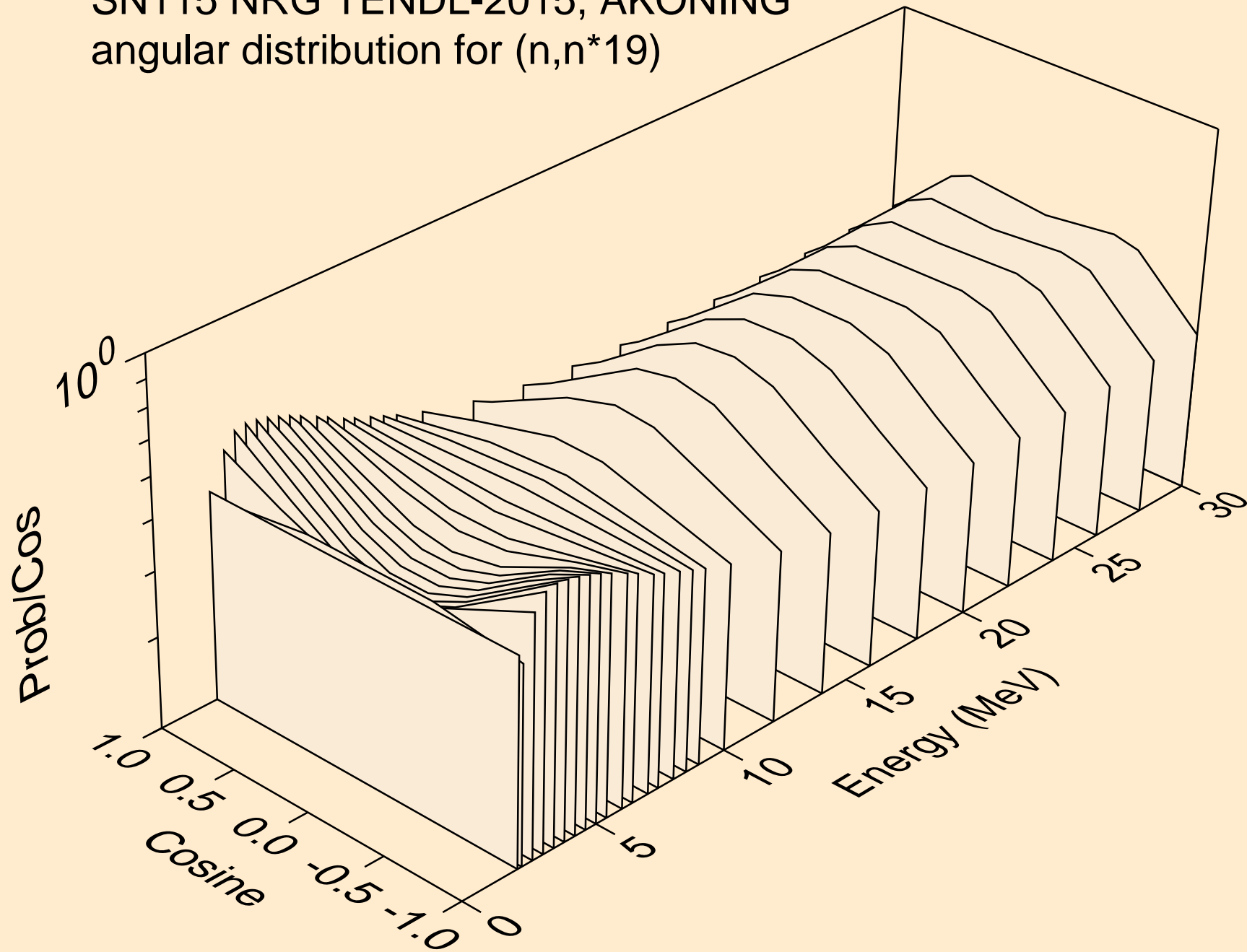
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angular distribution for (n,n\*17)



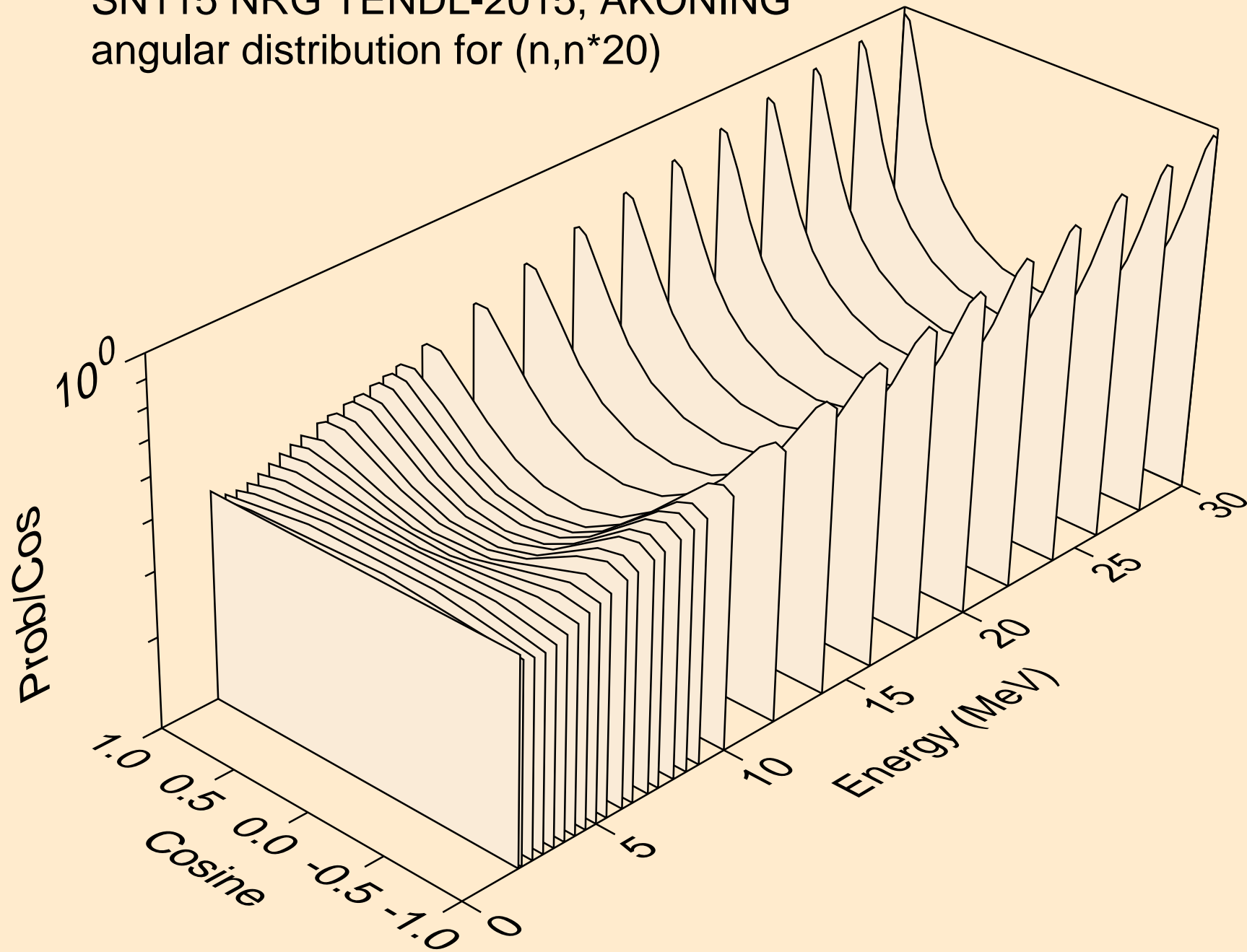
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angular distribution for (n,n\*18)



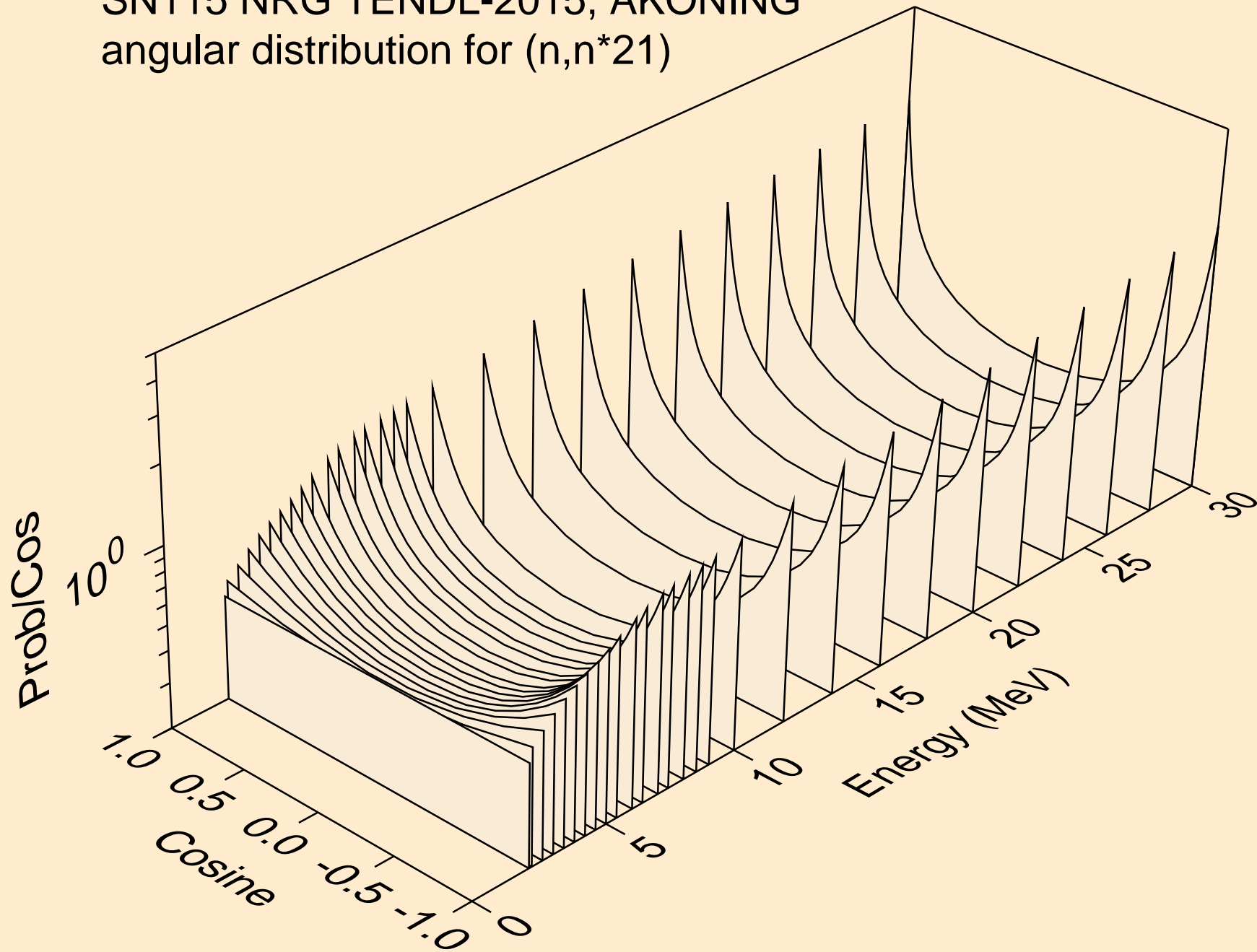
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angular distribution for (n,n\*19)



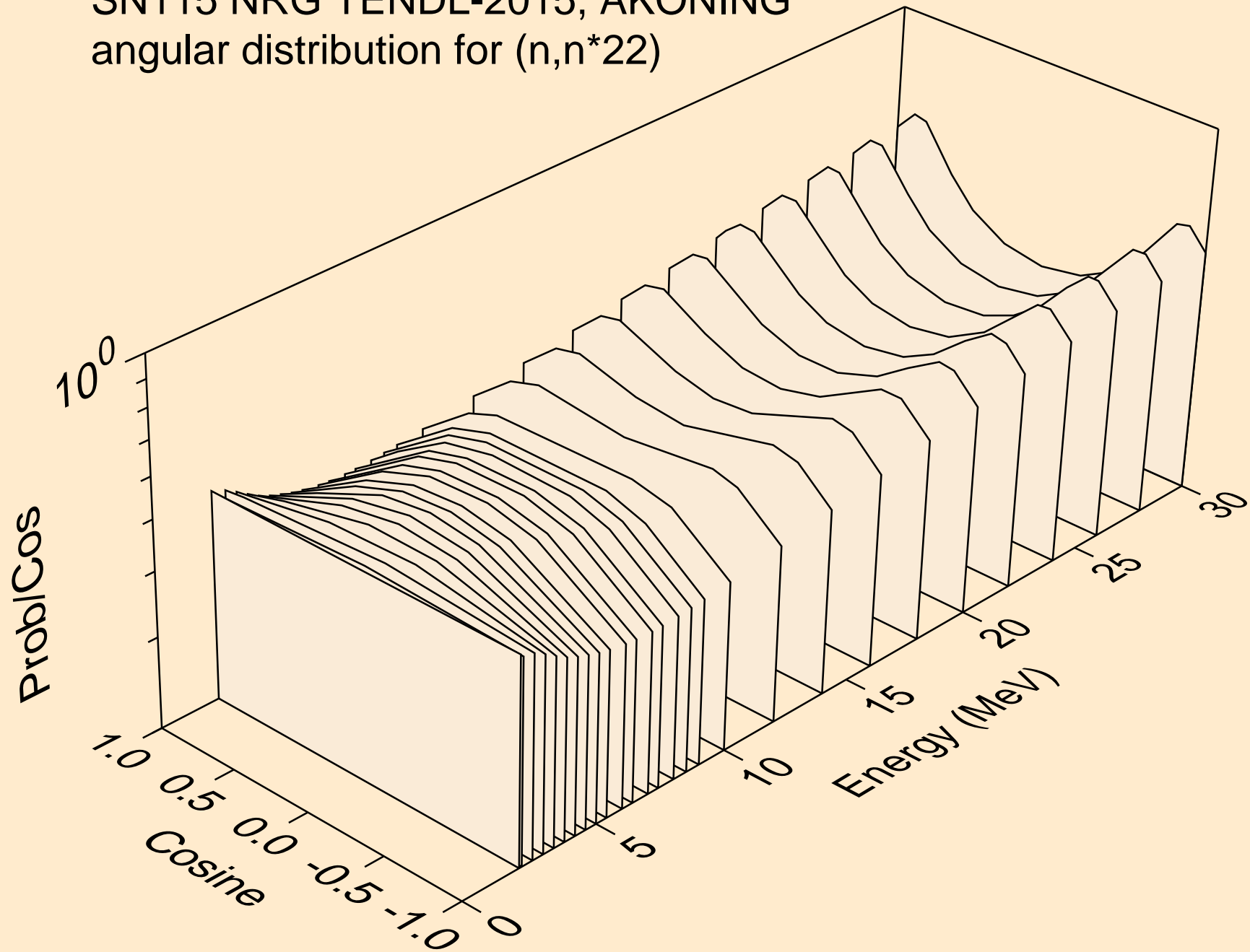
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angular distribution for (n,n\*20)



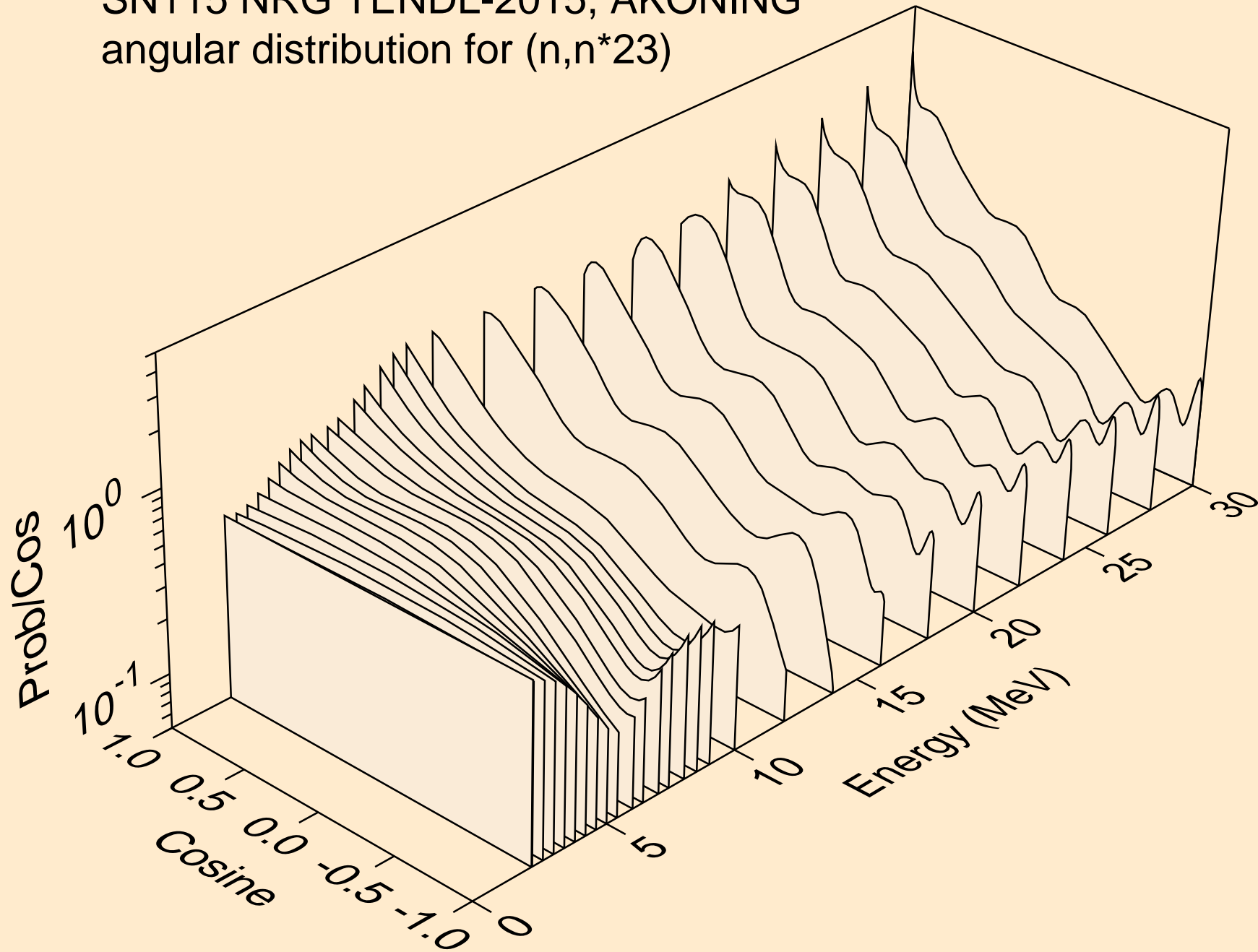
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angular distribution for (n,n\*21)



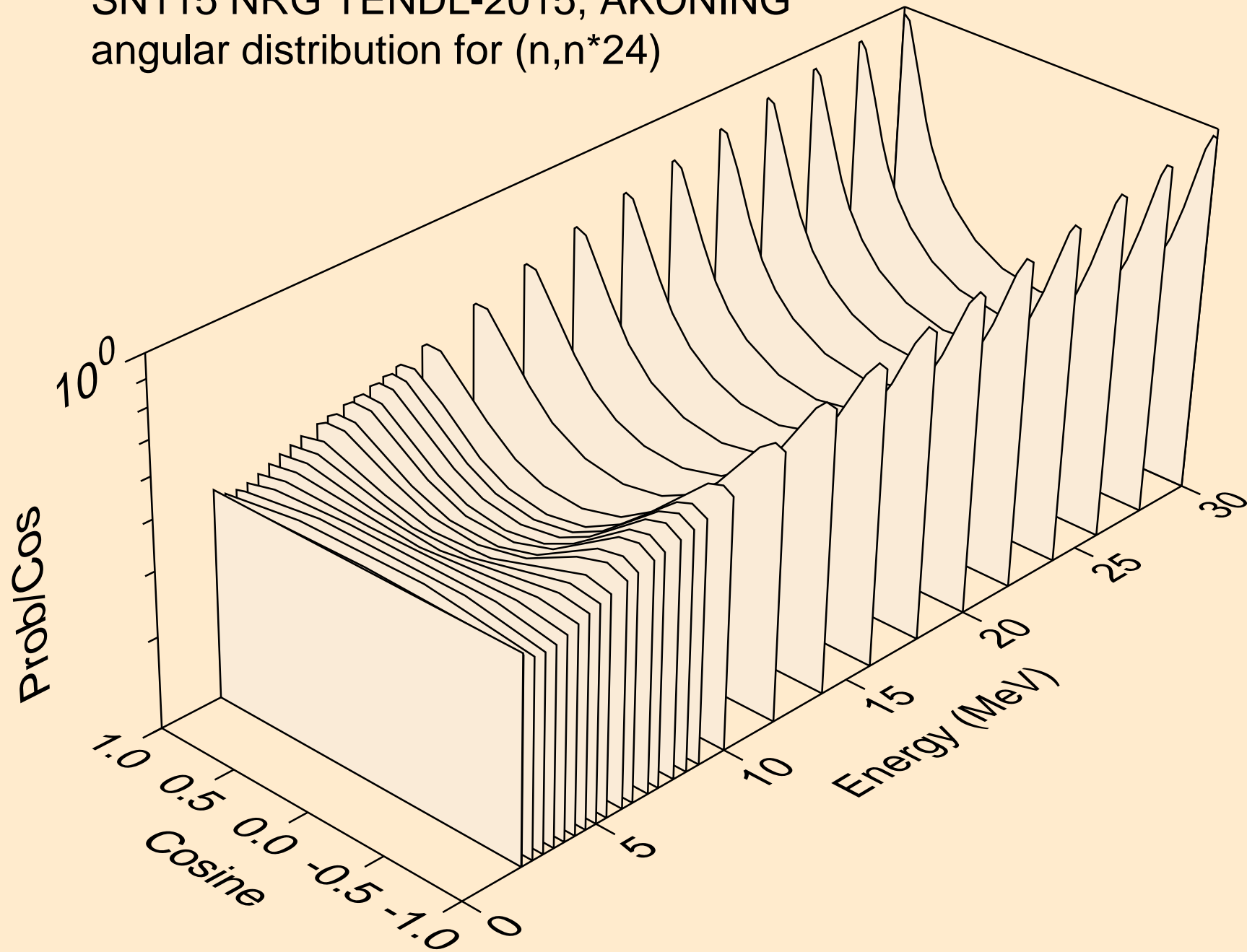
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

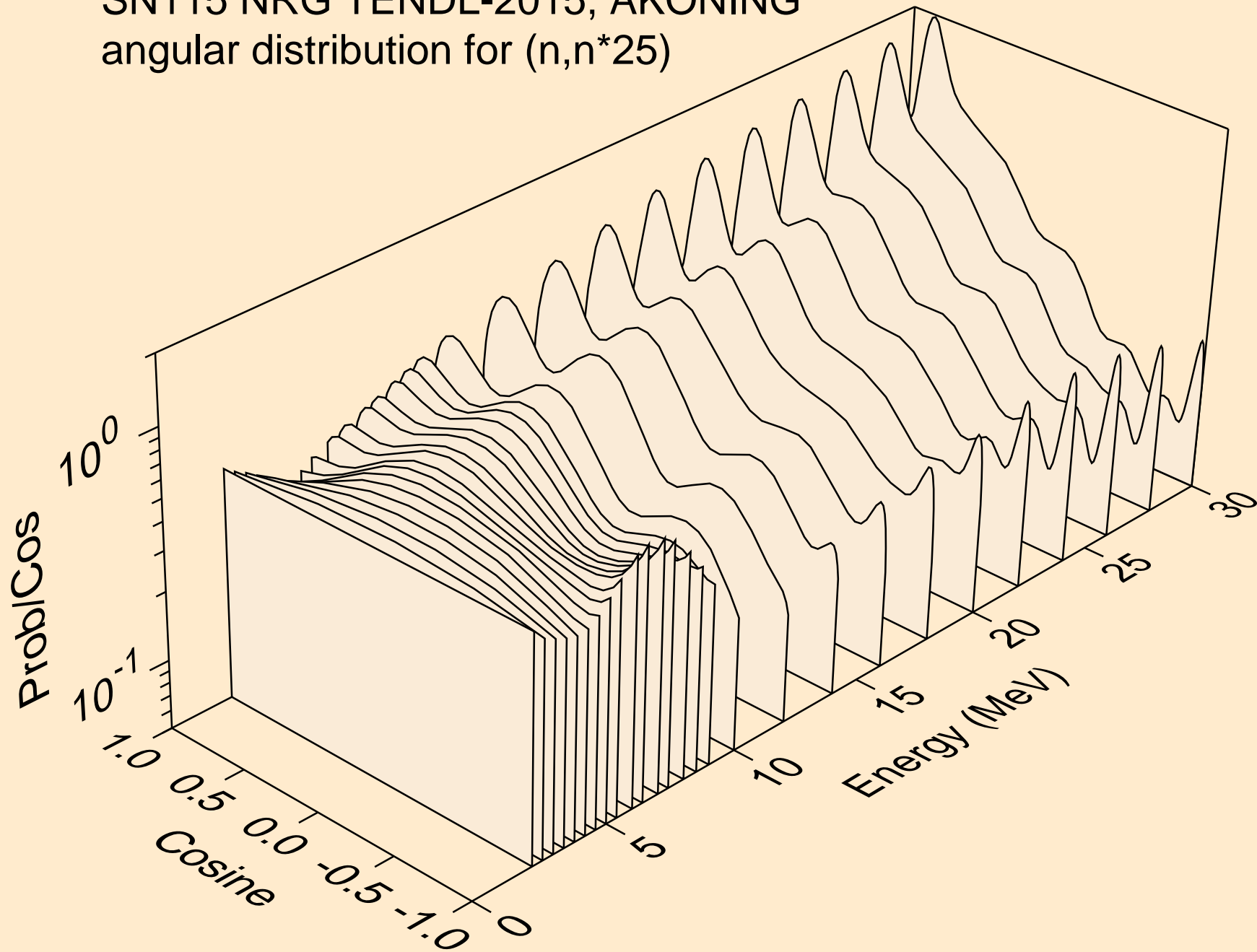


SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)

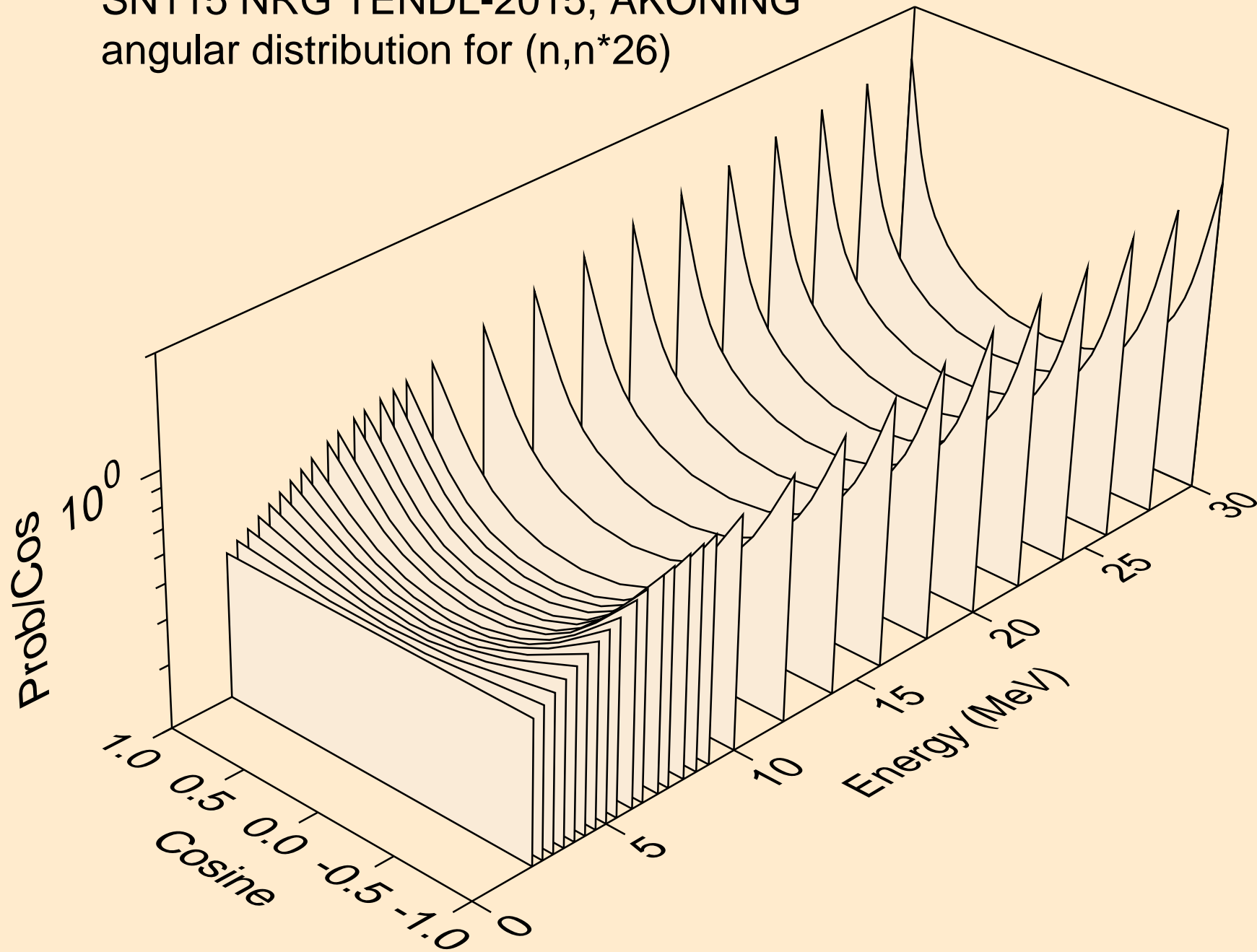




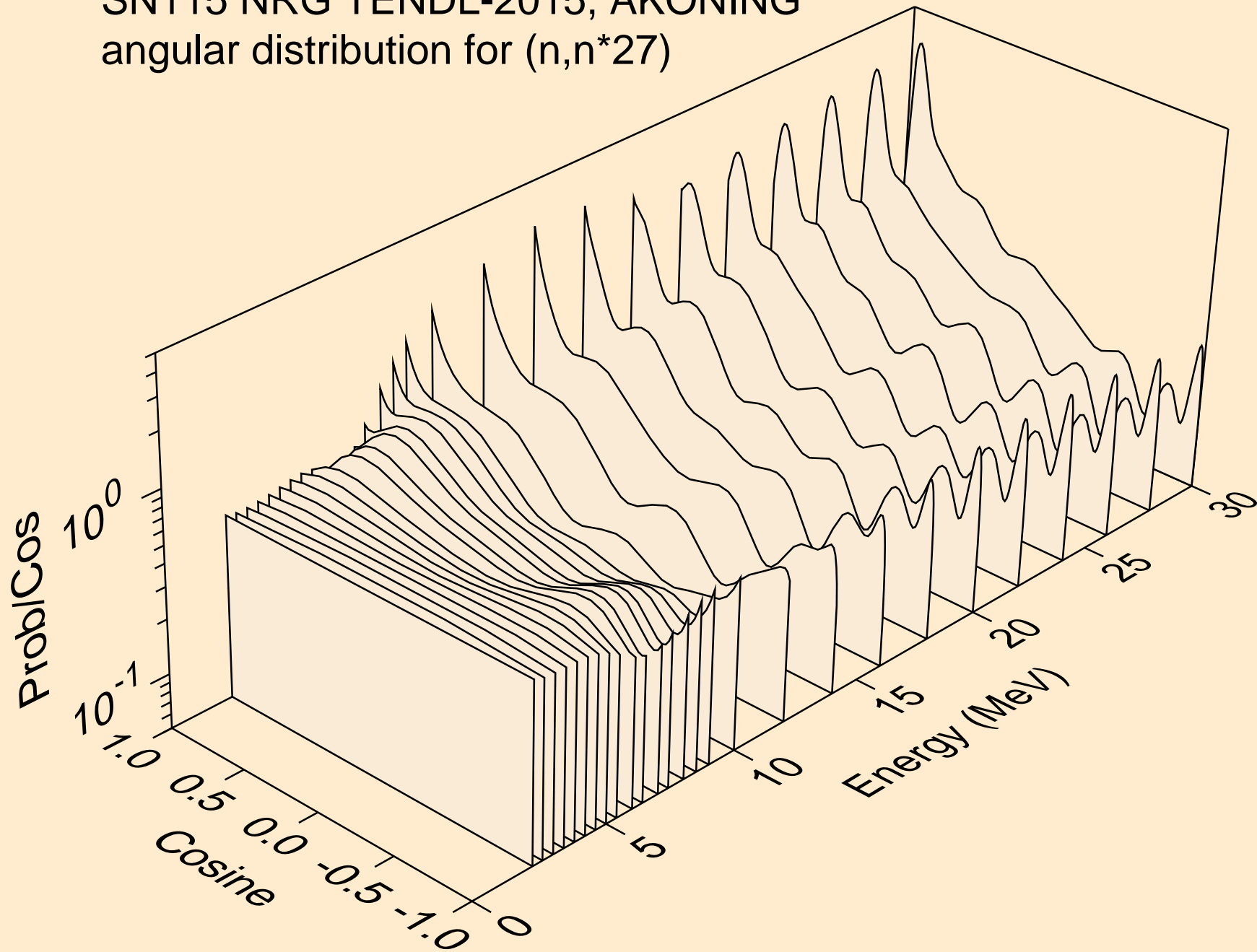
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



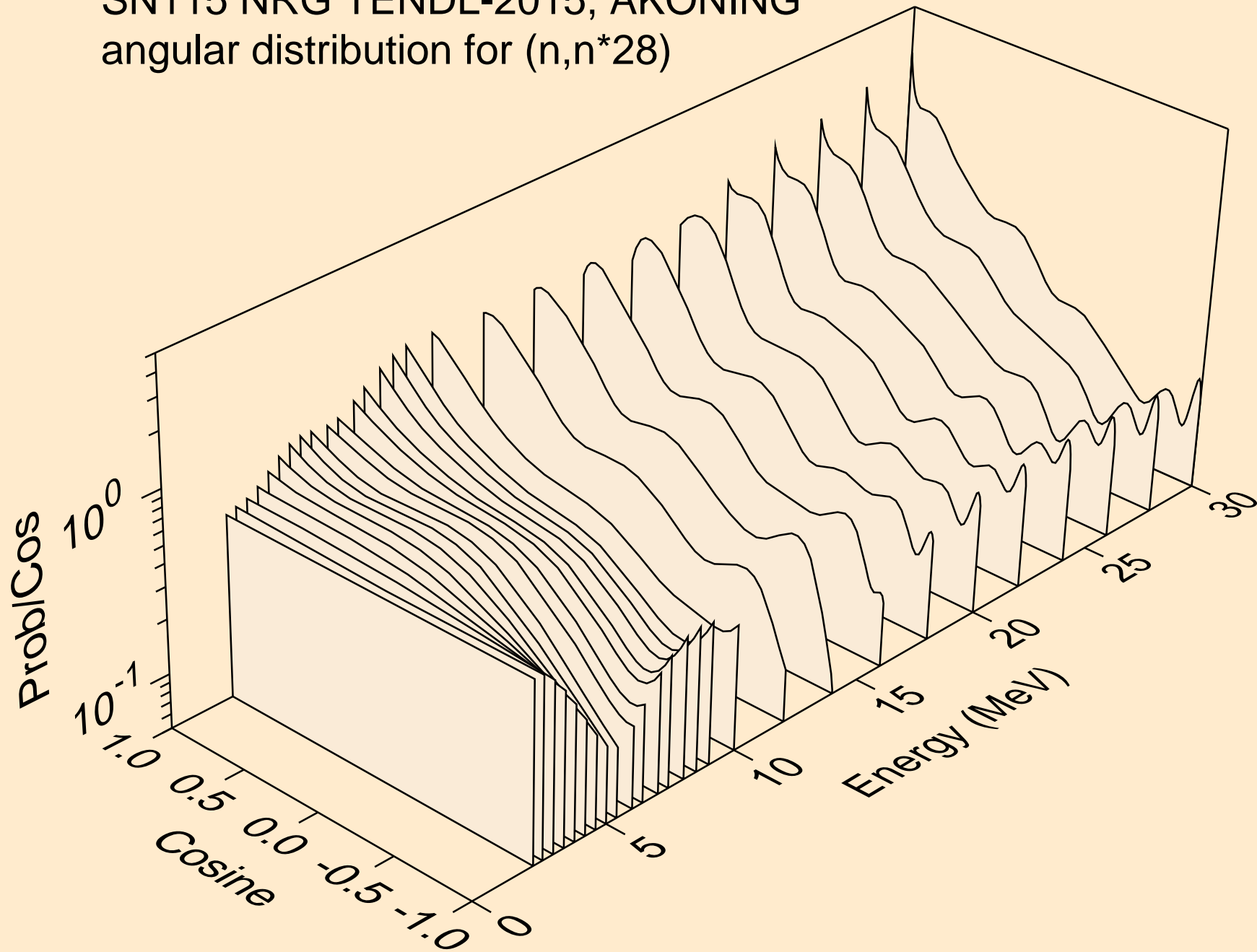
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



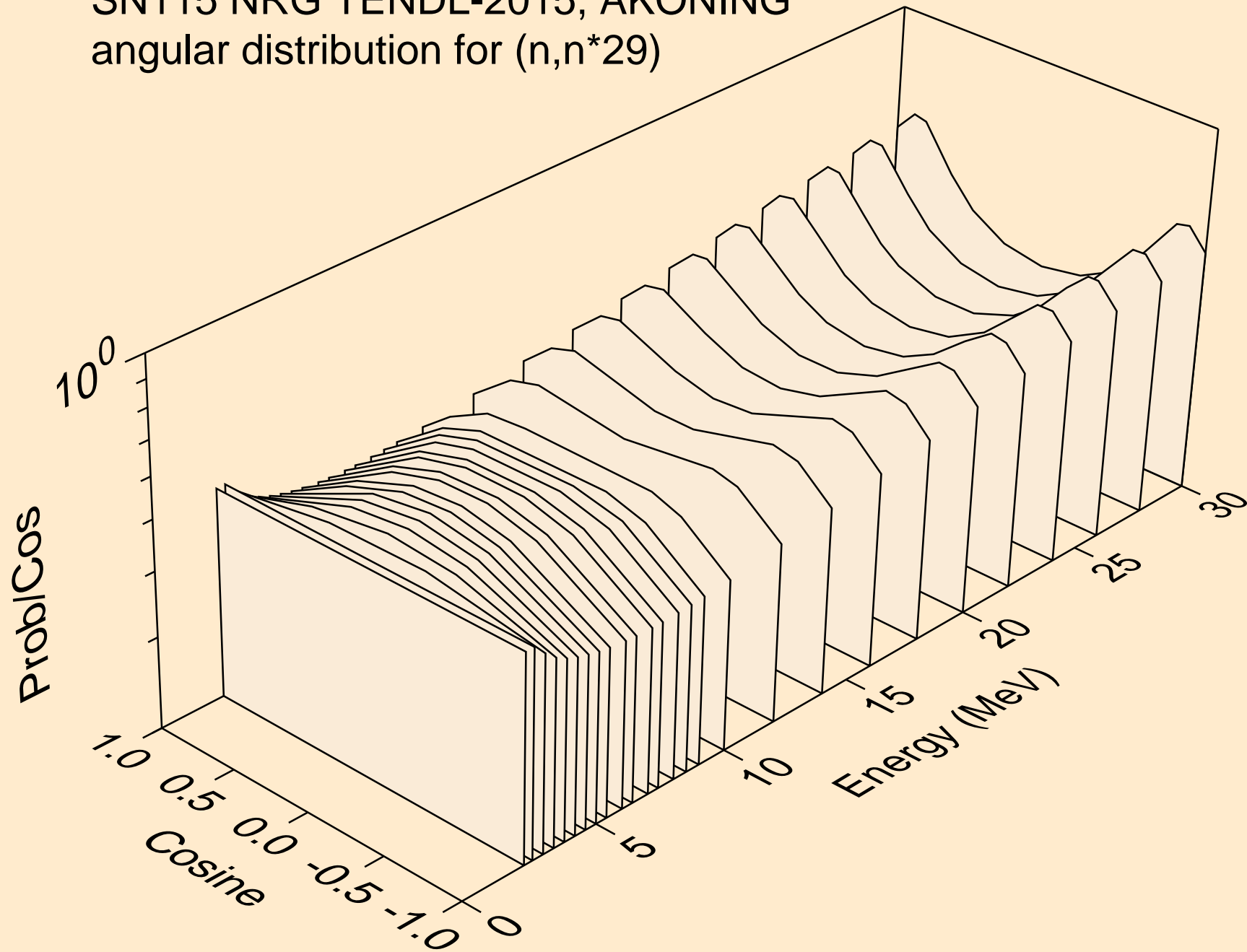
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angular distribution for (n,n\*27)



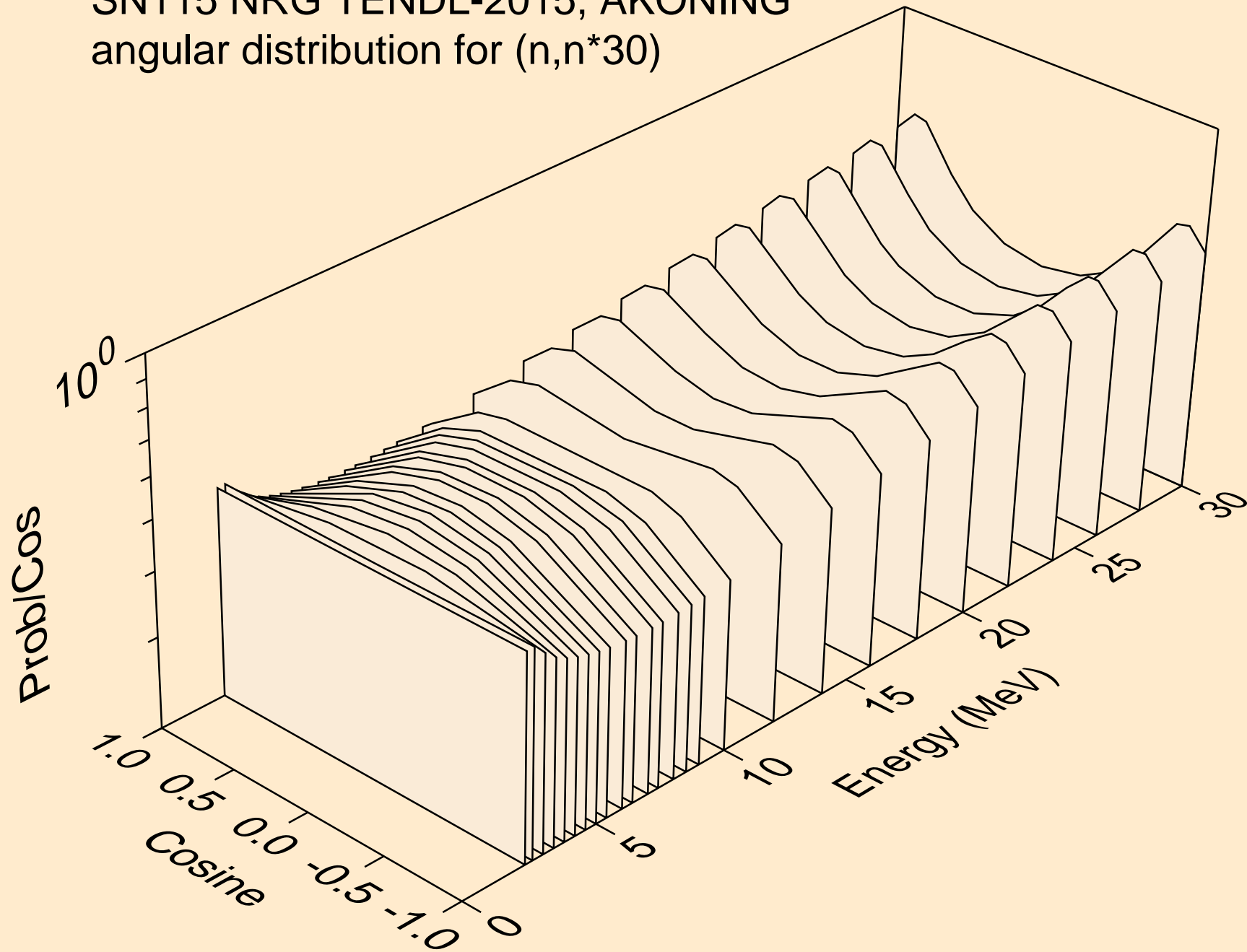
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



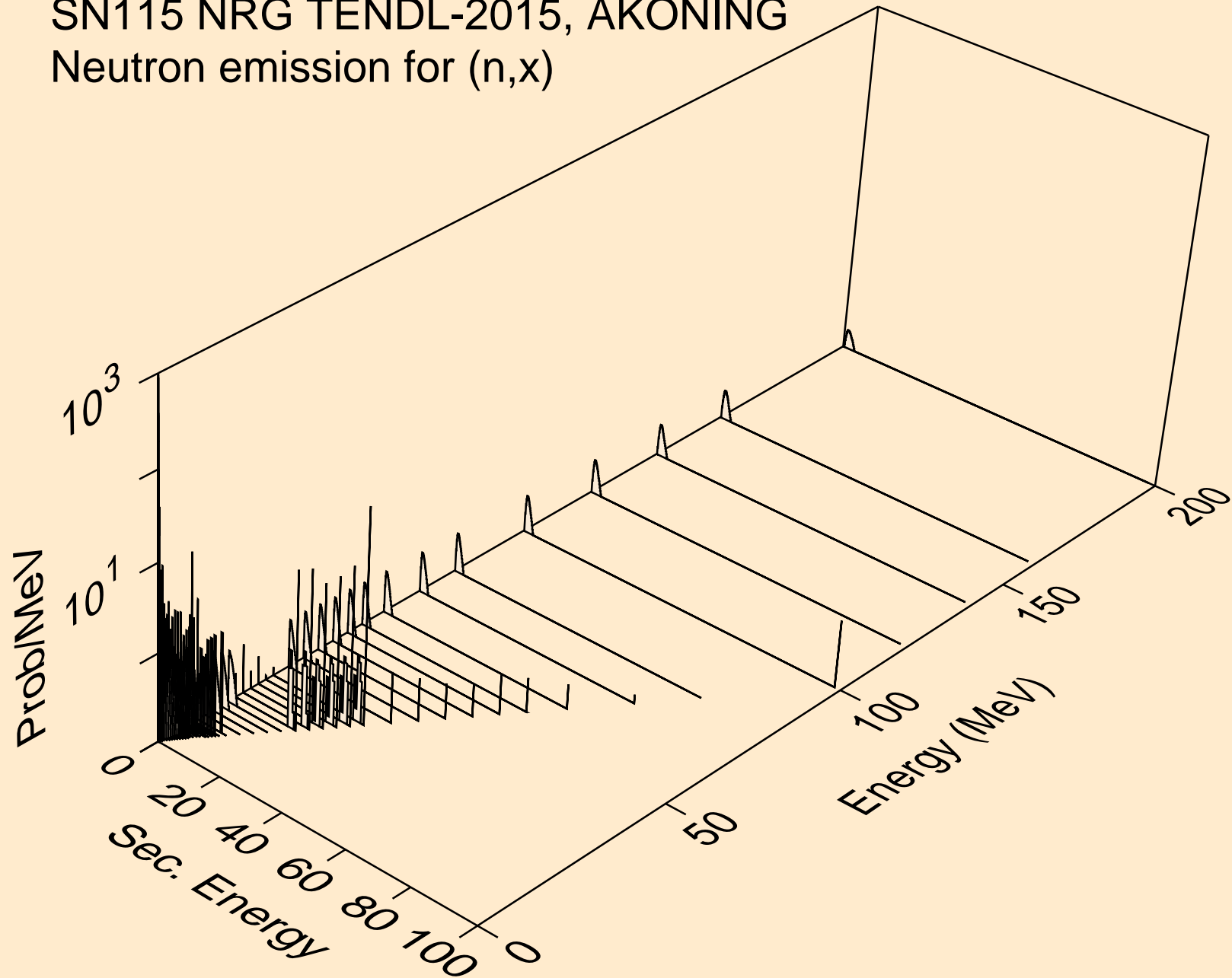
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angular distribution for (n,n\*29)



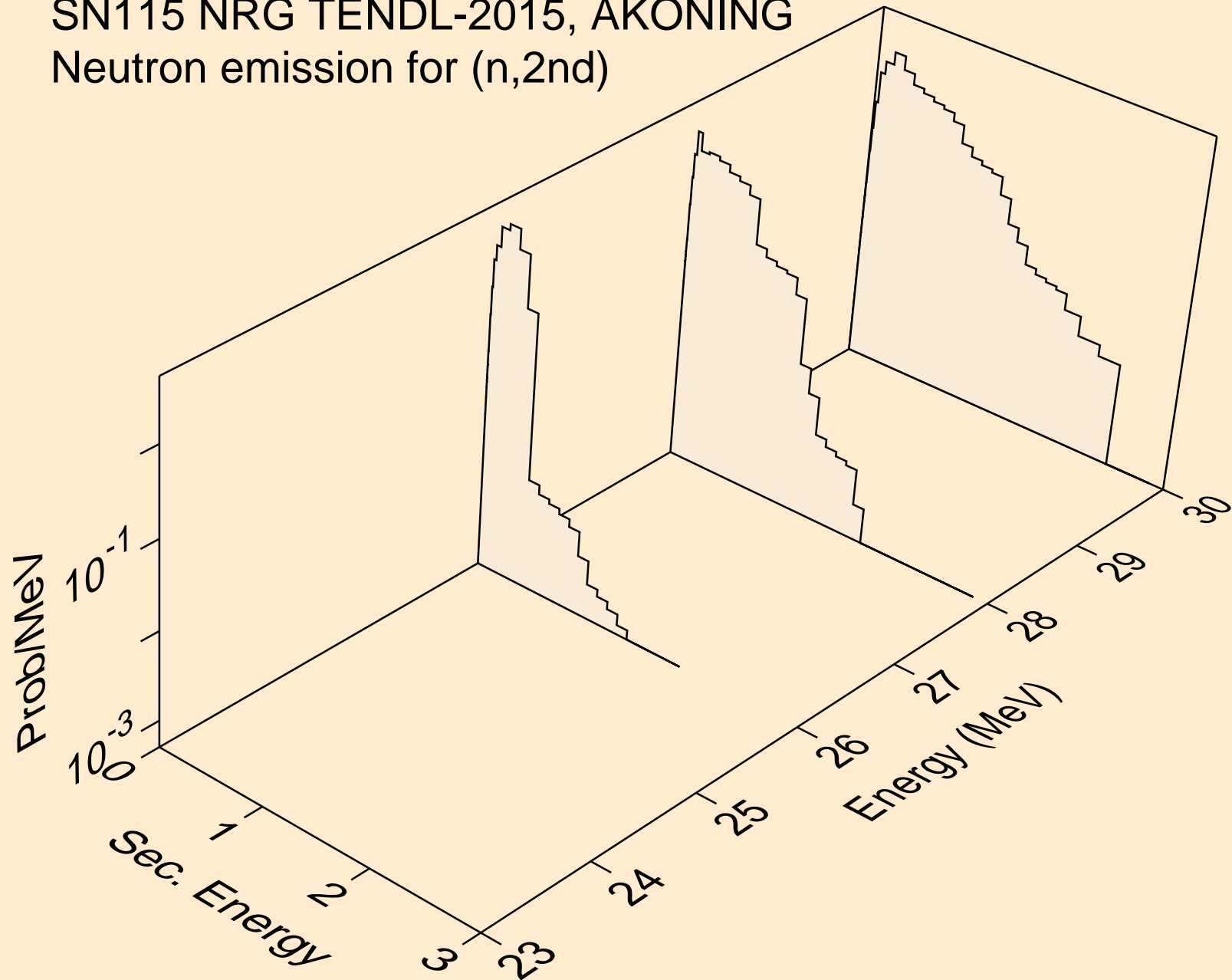
SN115 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

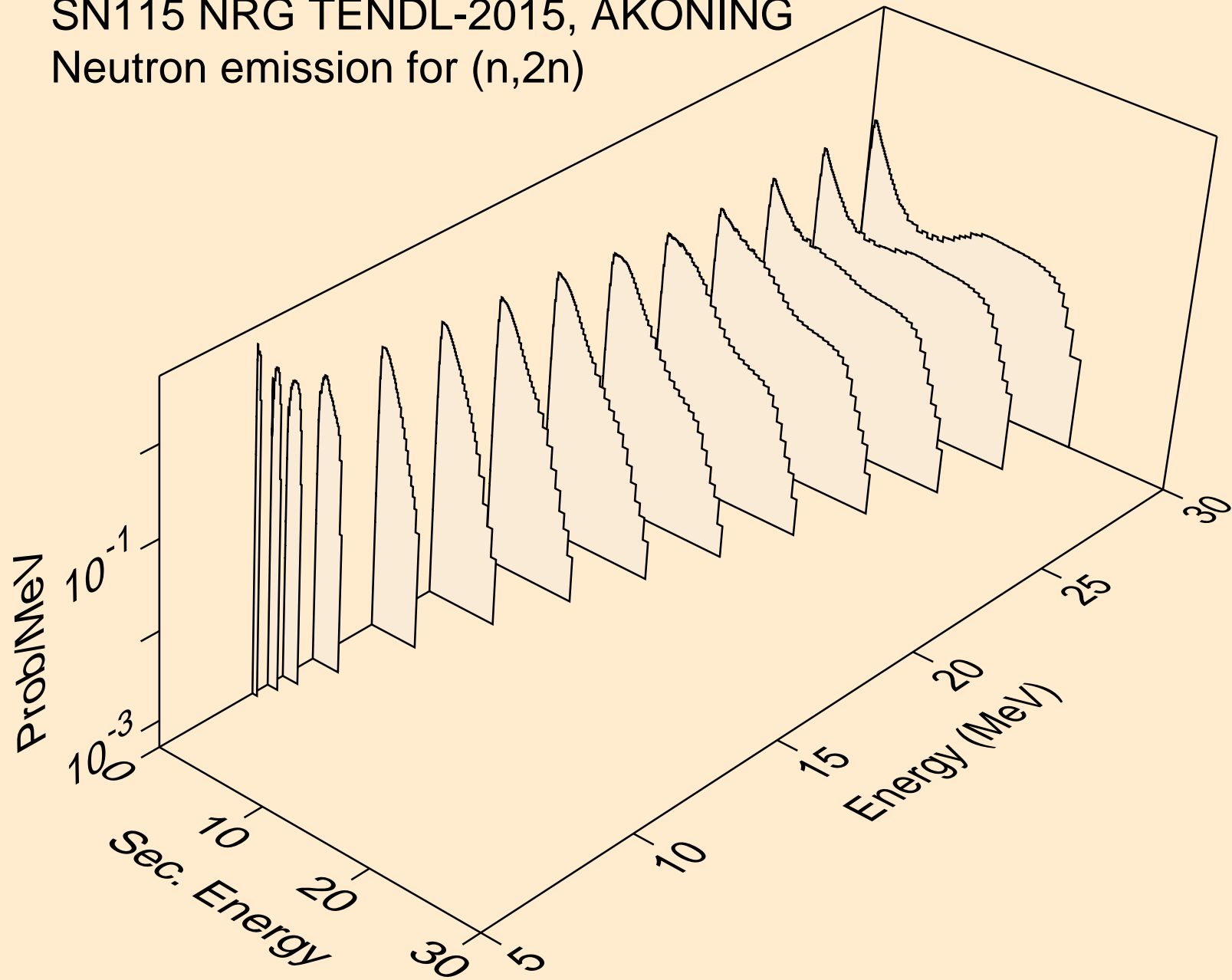


SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

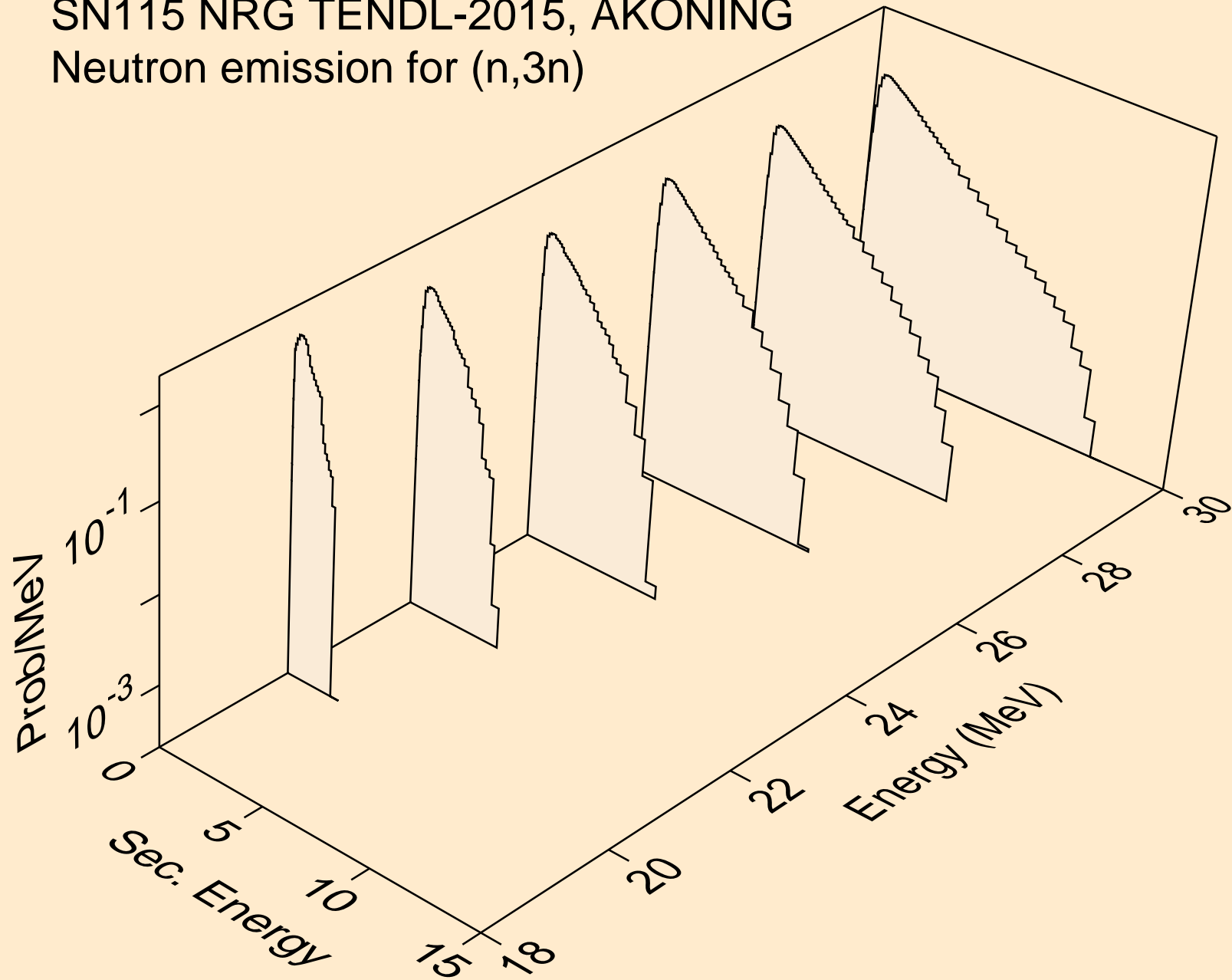




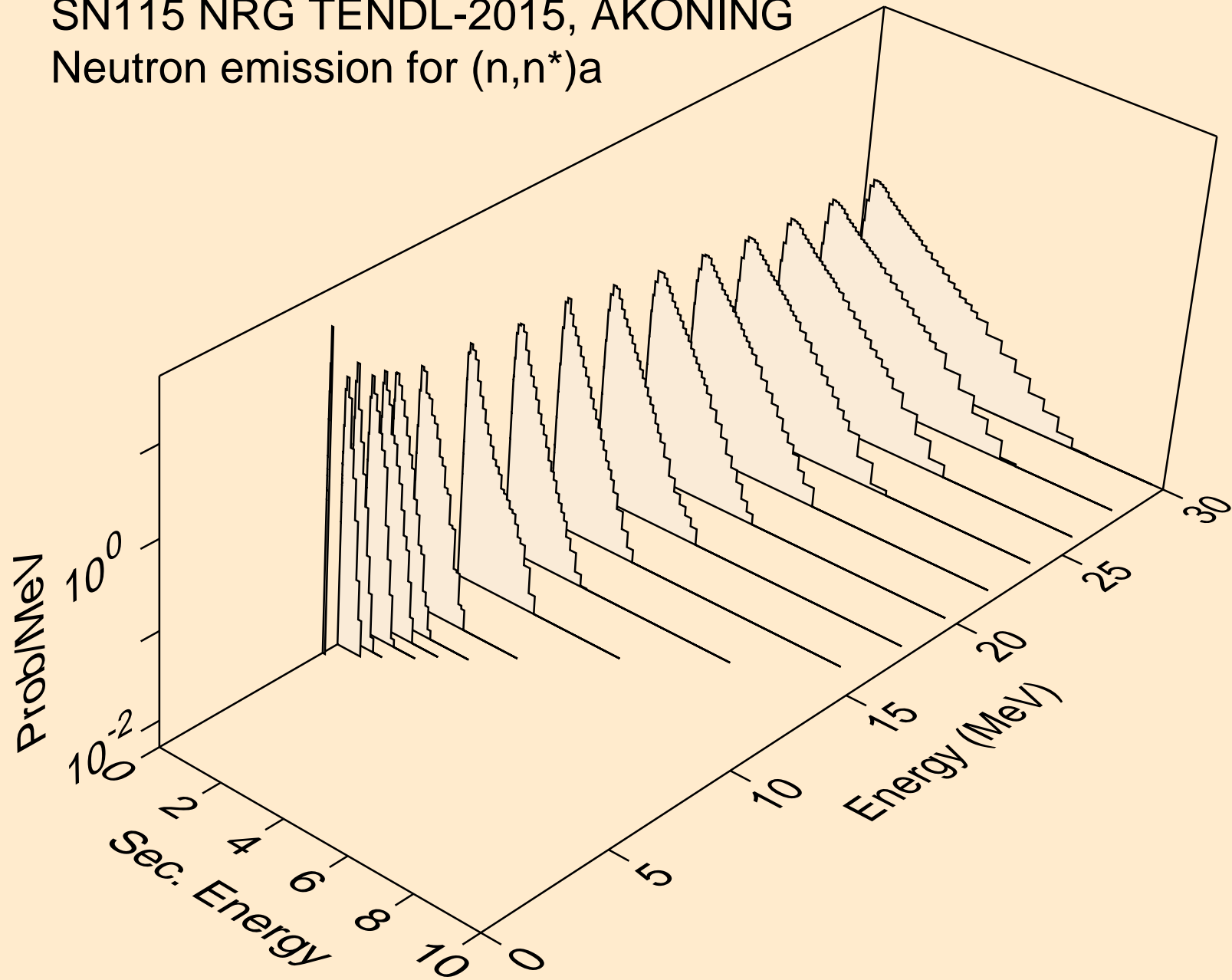
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



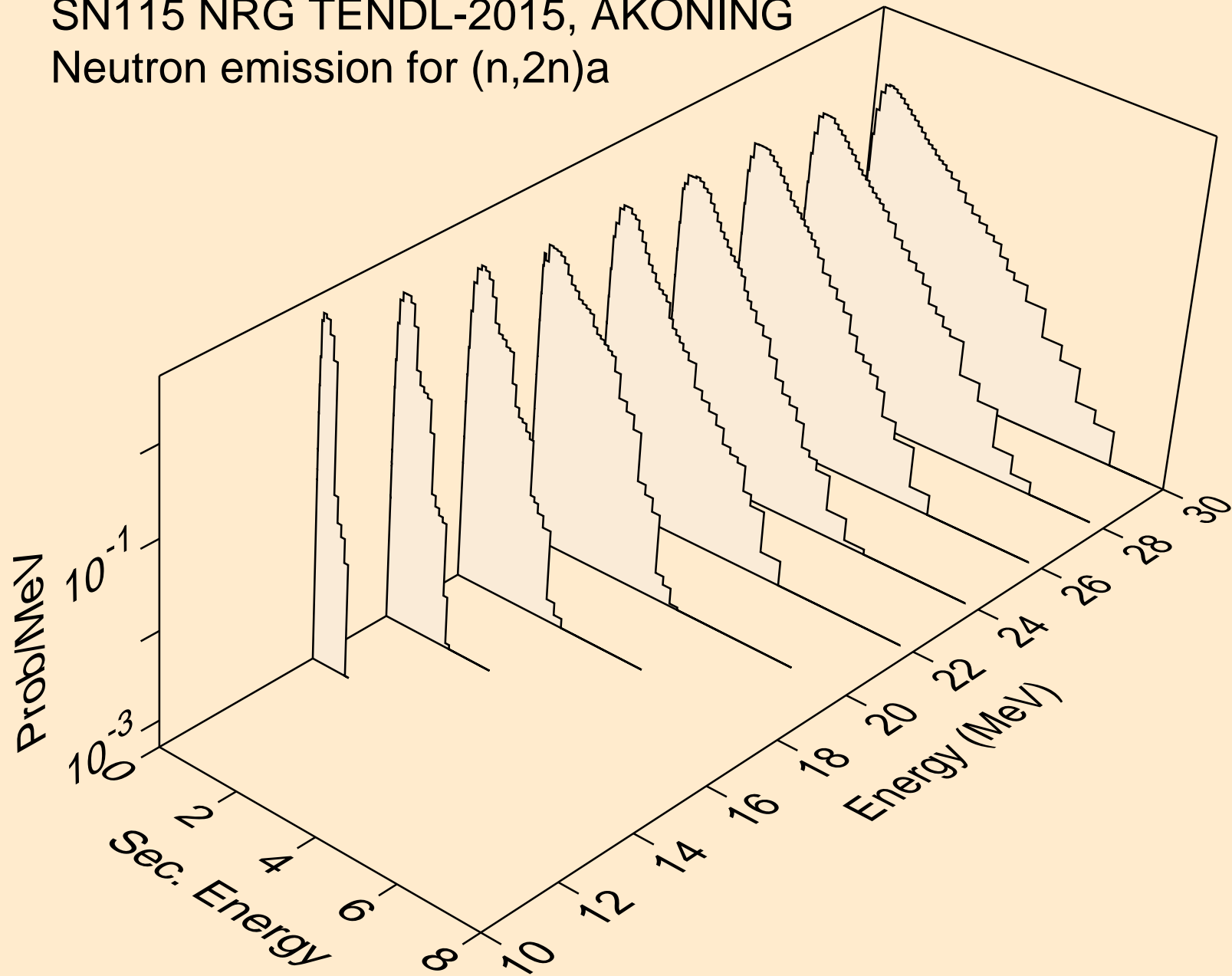
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



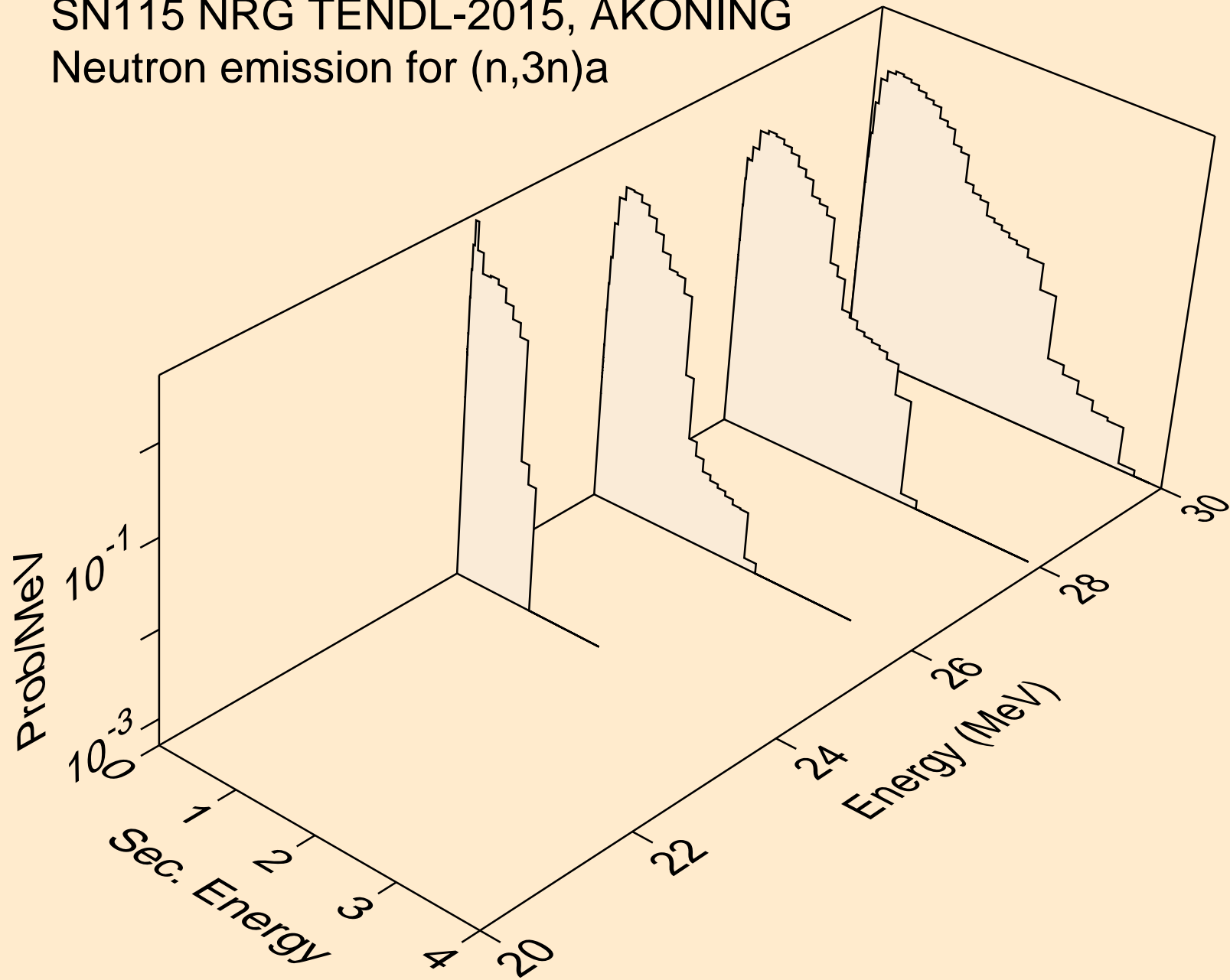
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



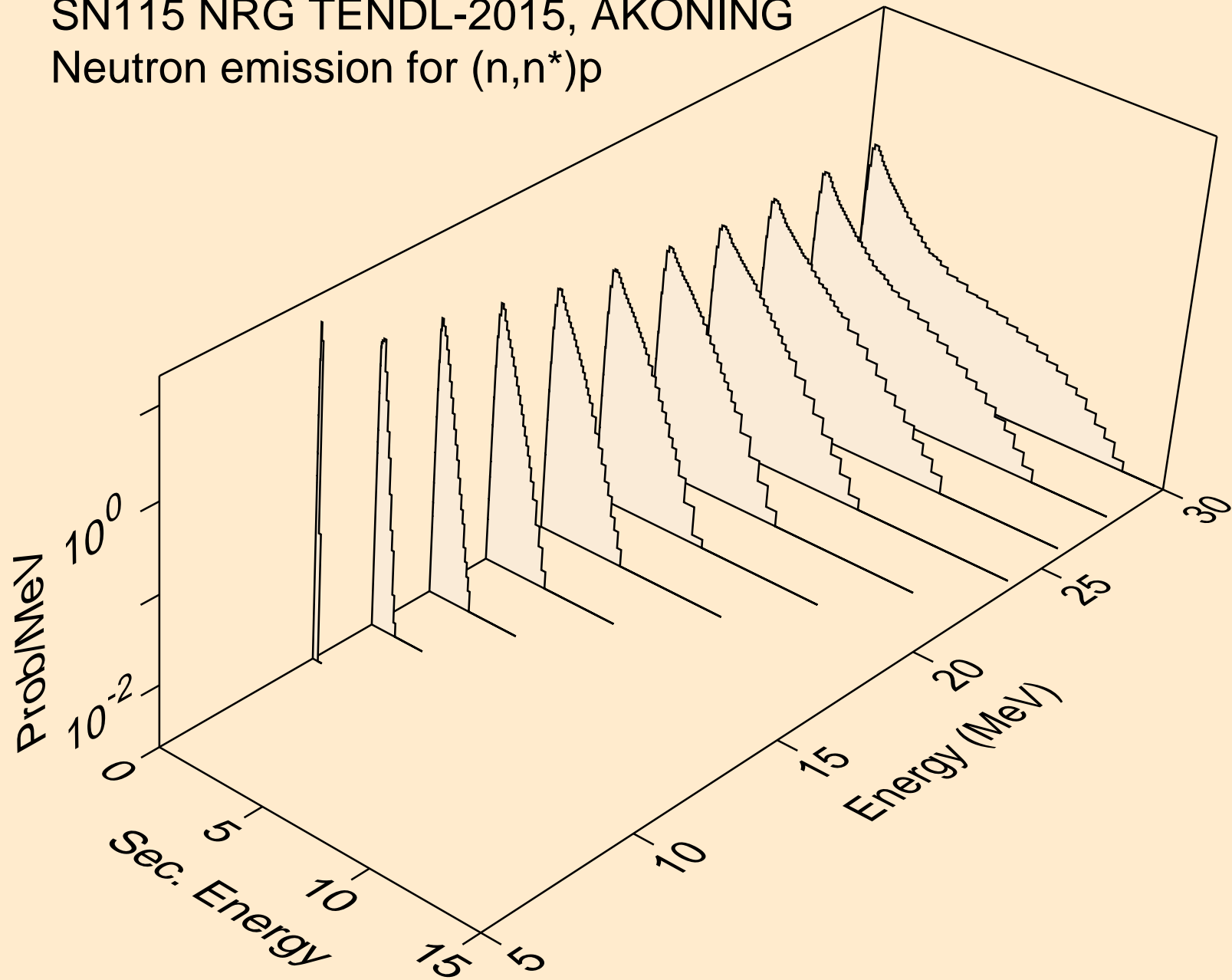
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



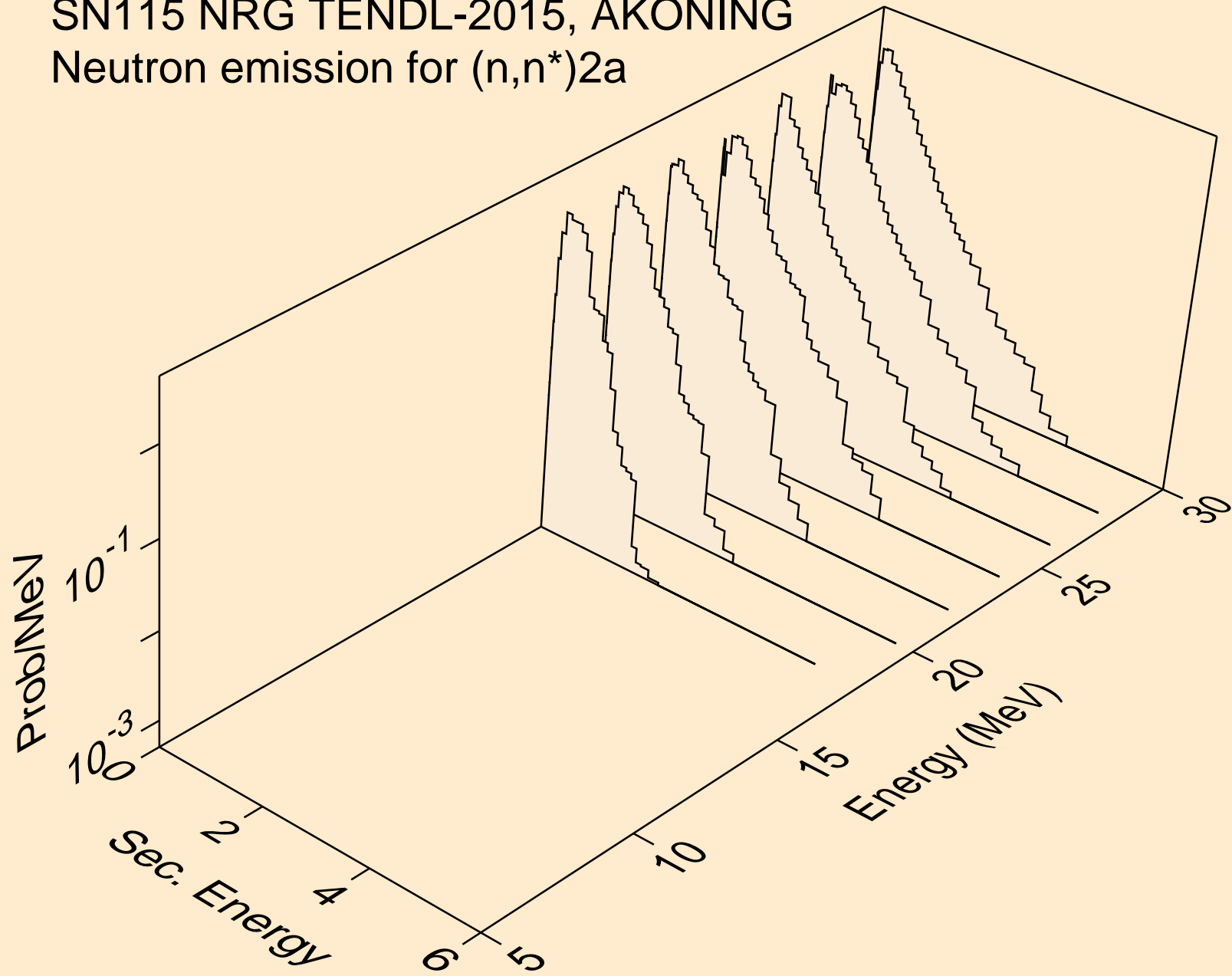
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



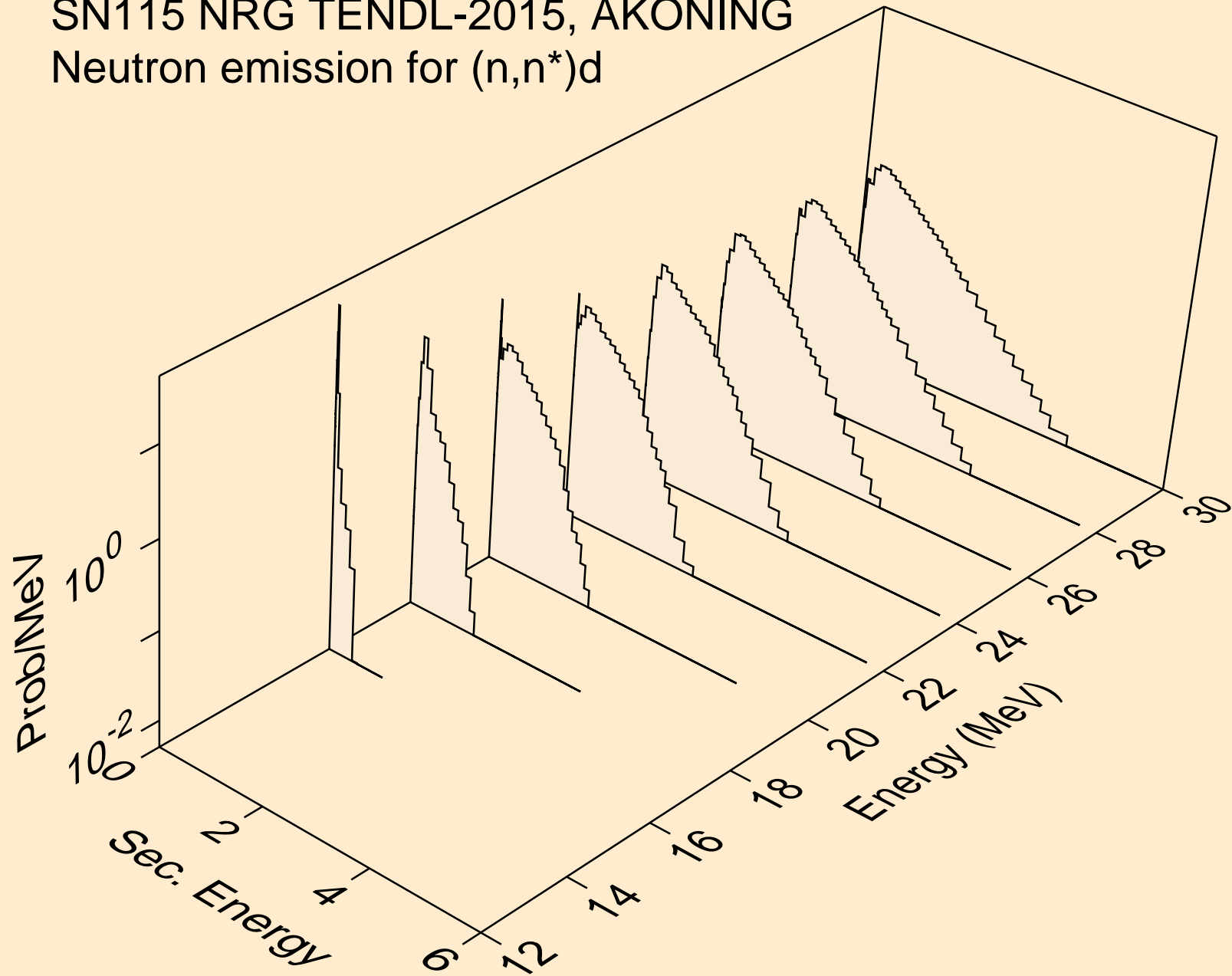
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

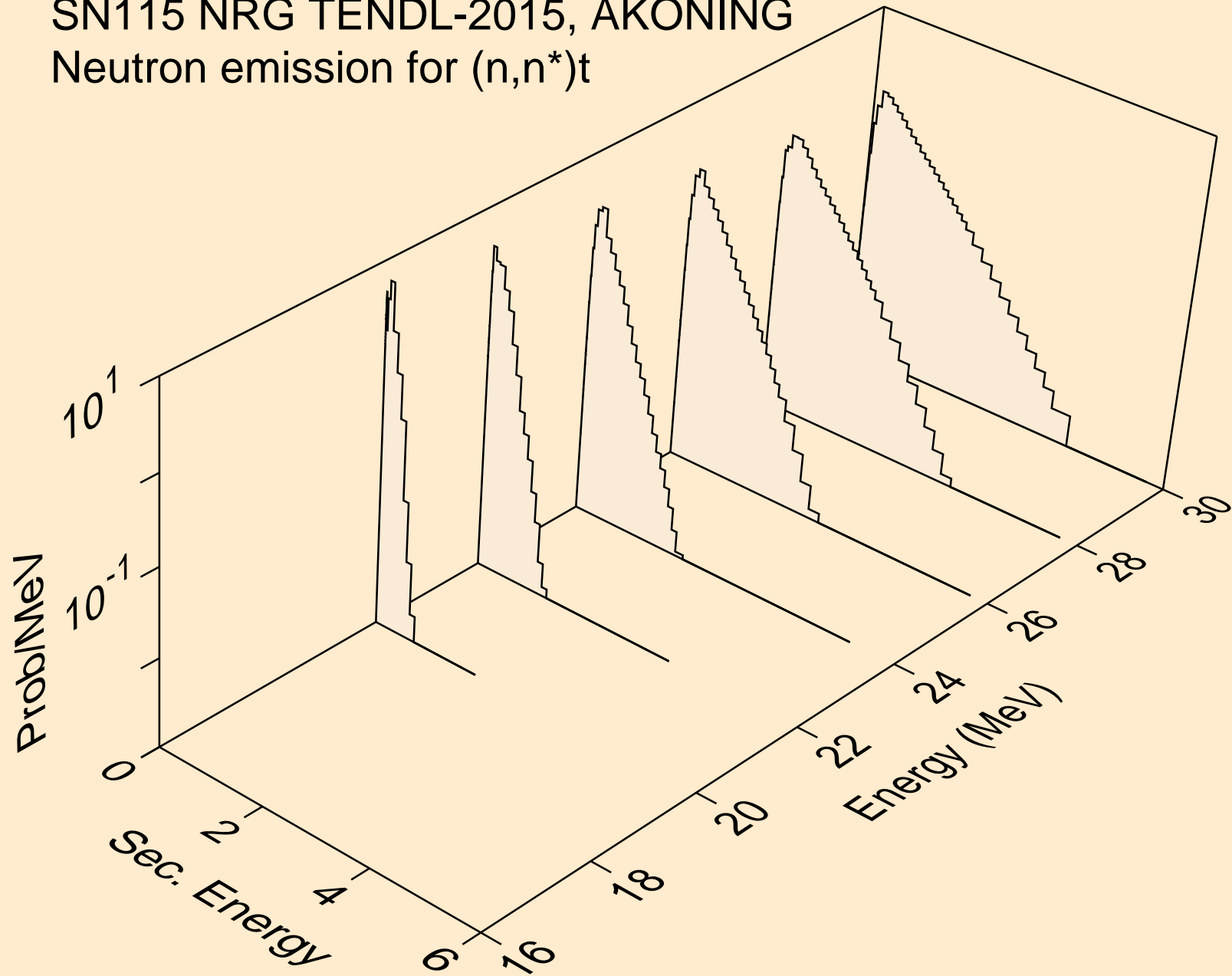


SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

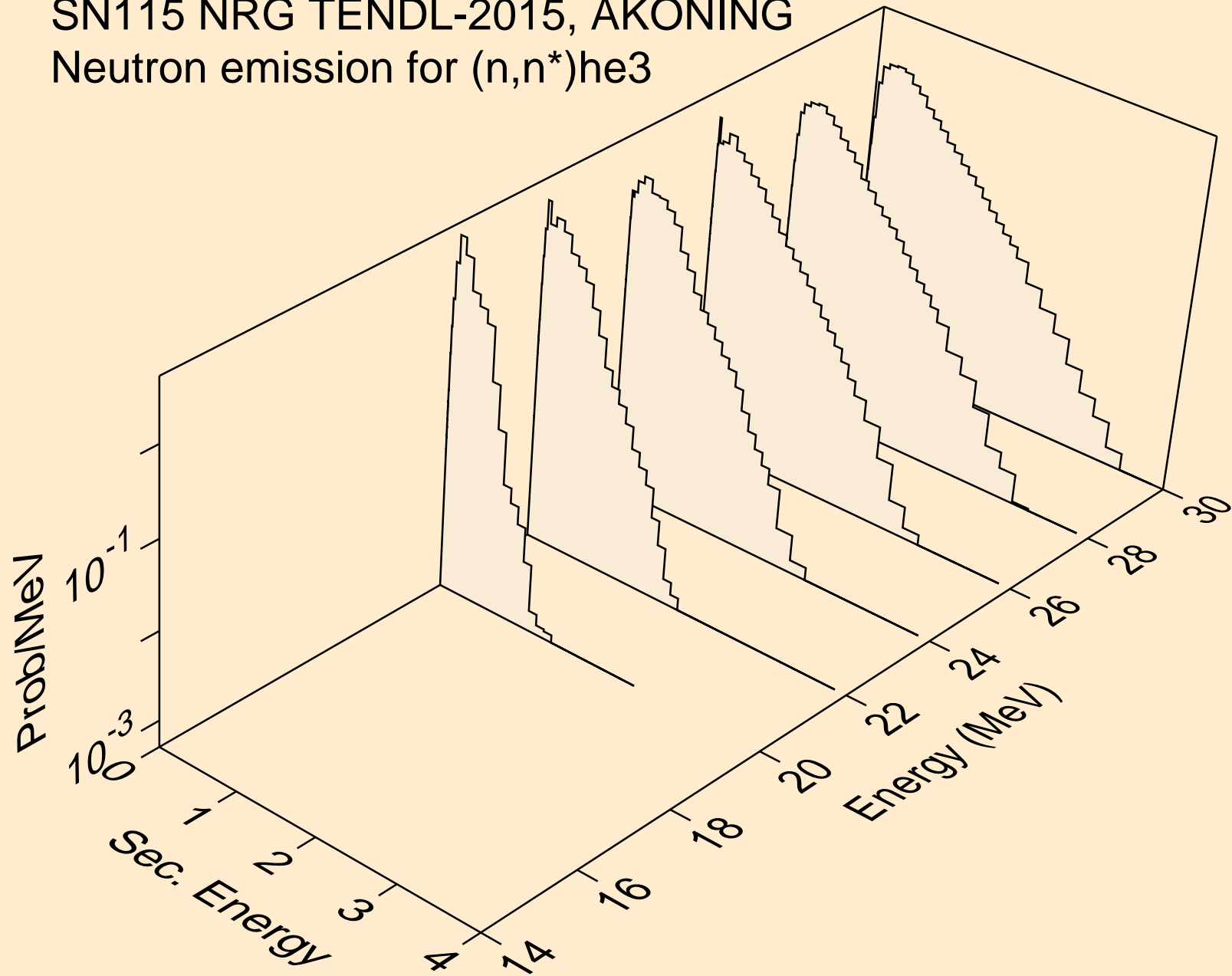




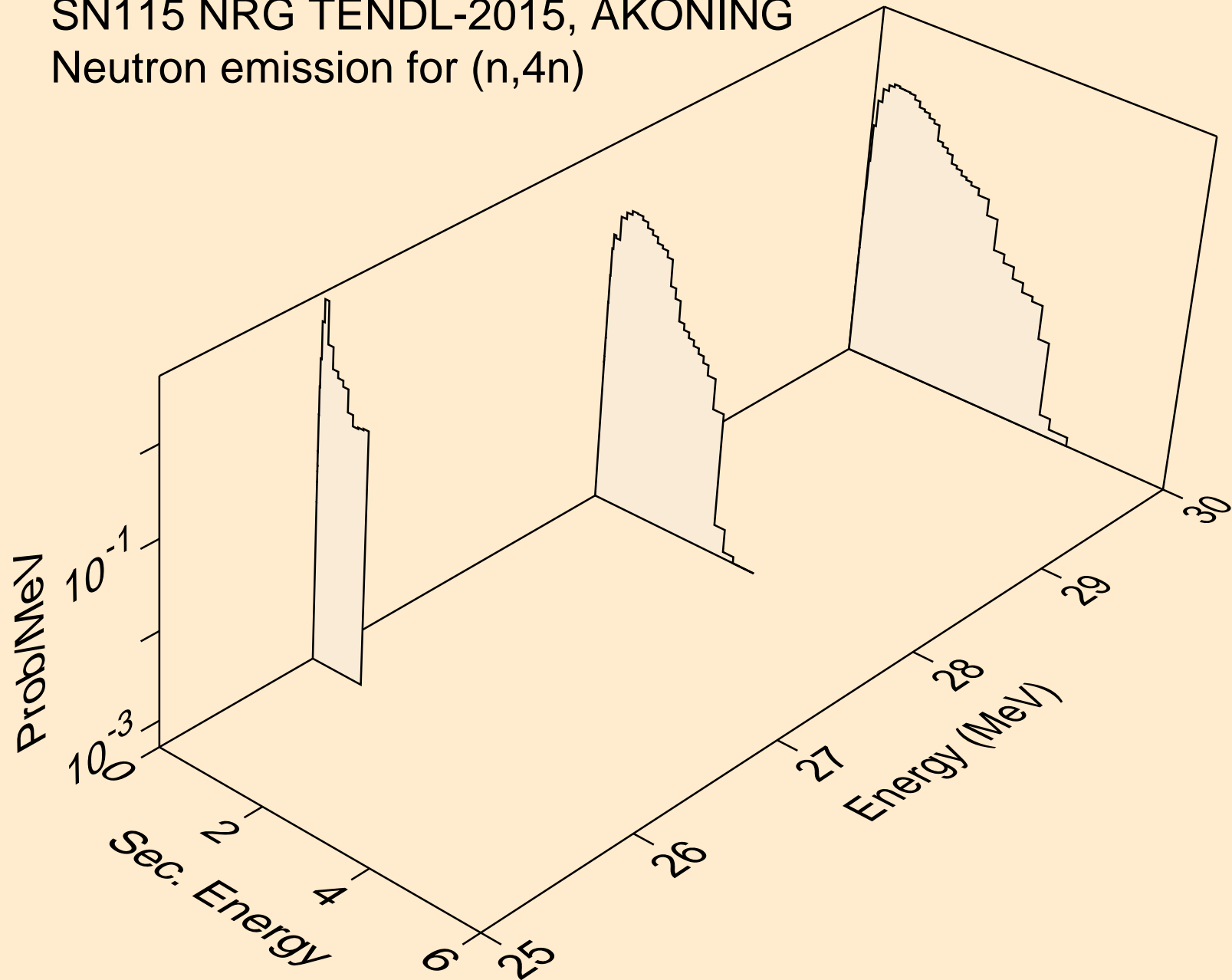
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



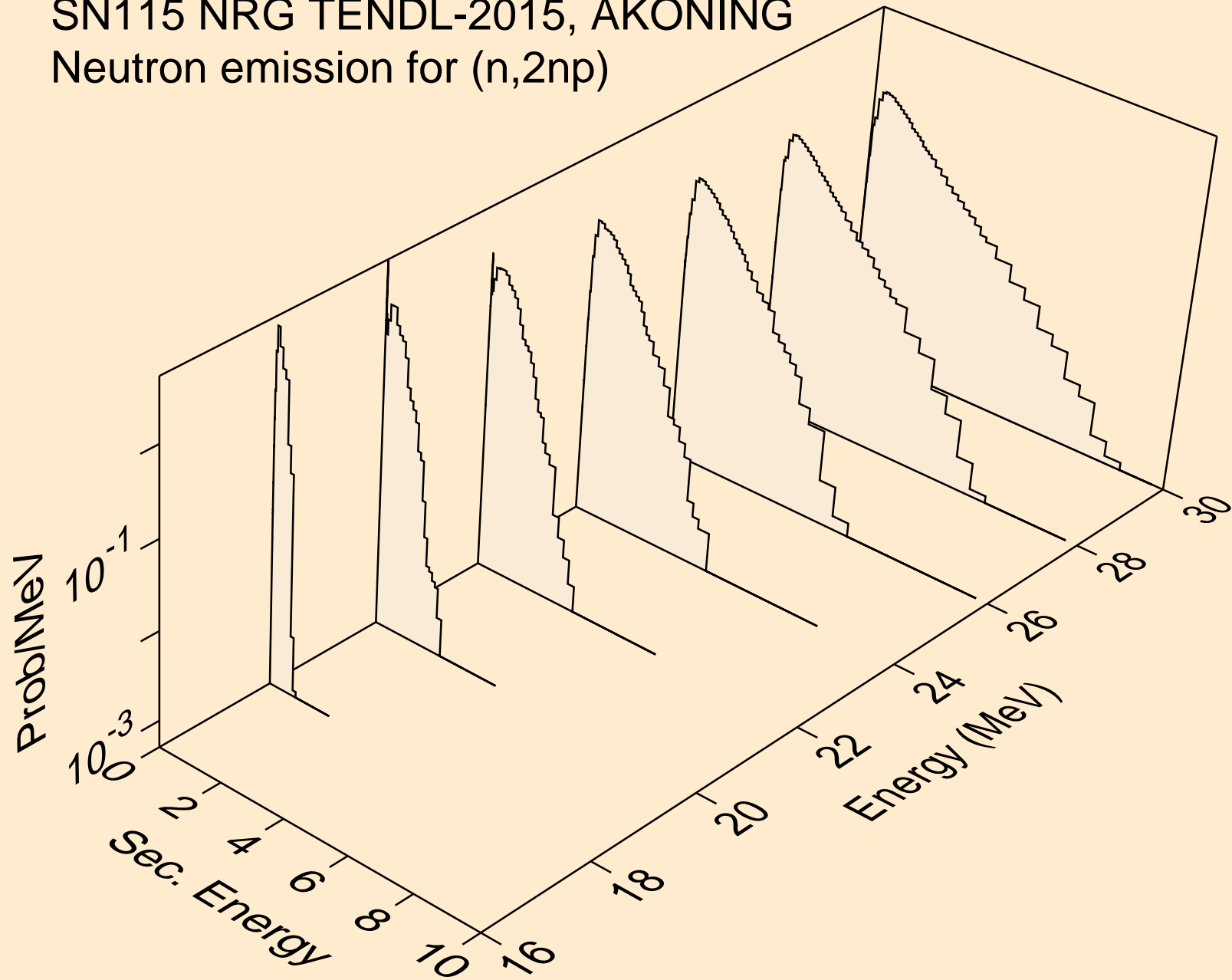
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



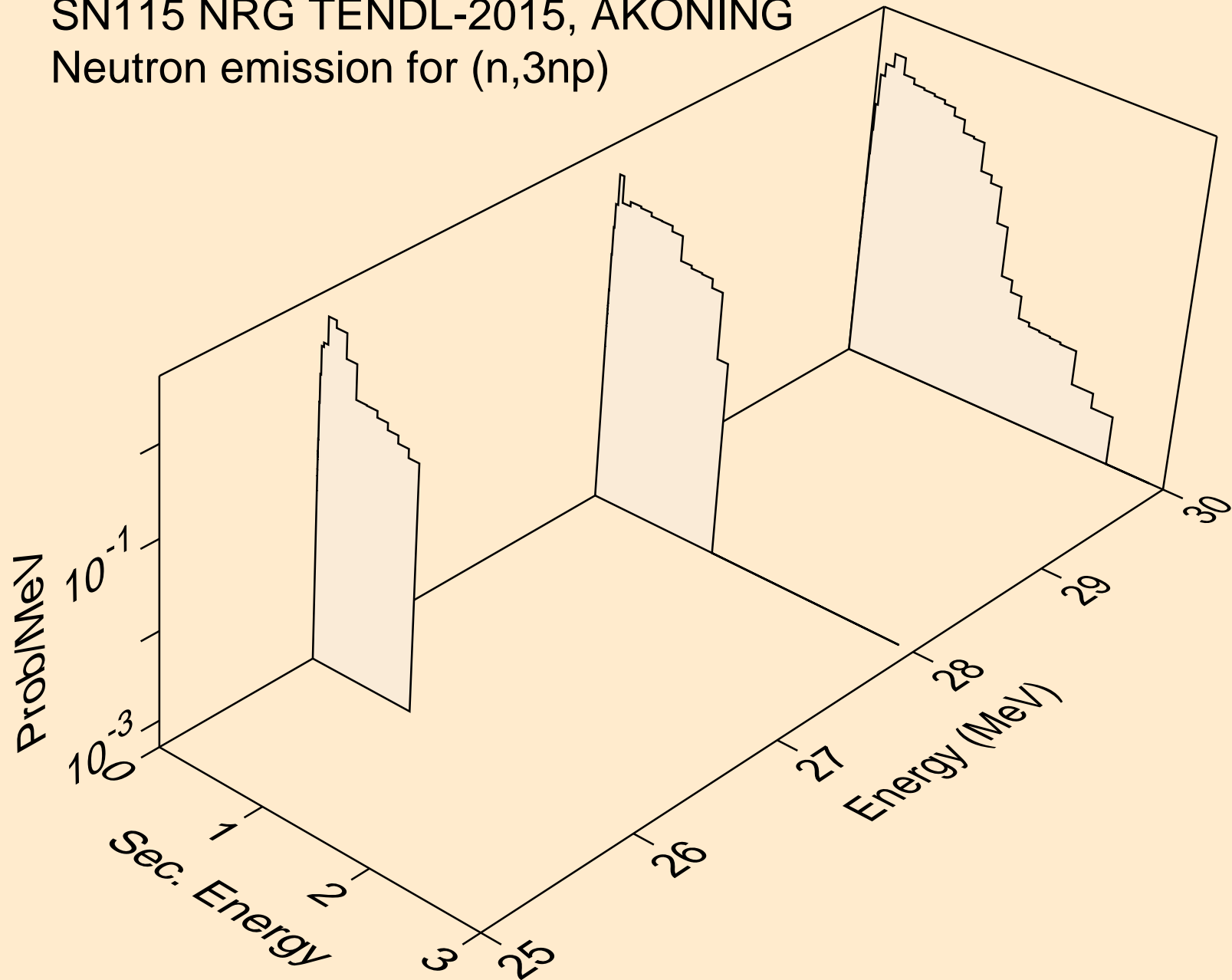
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



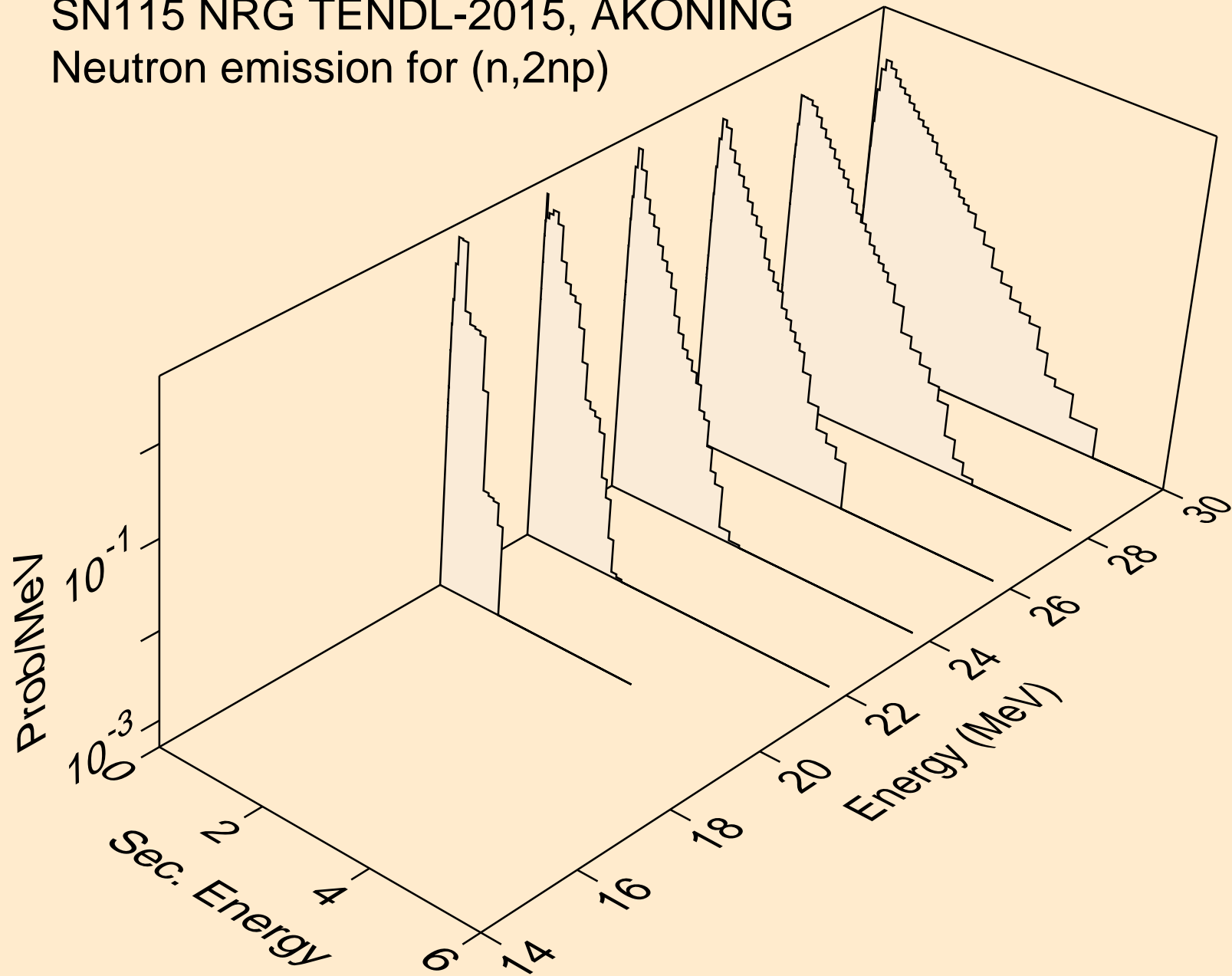
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



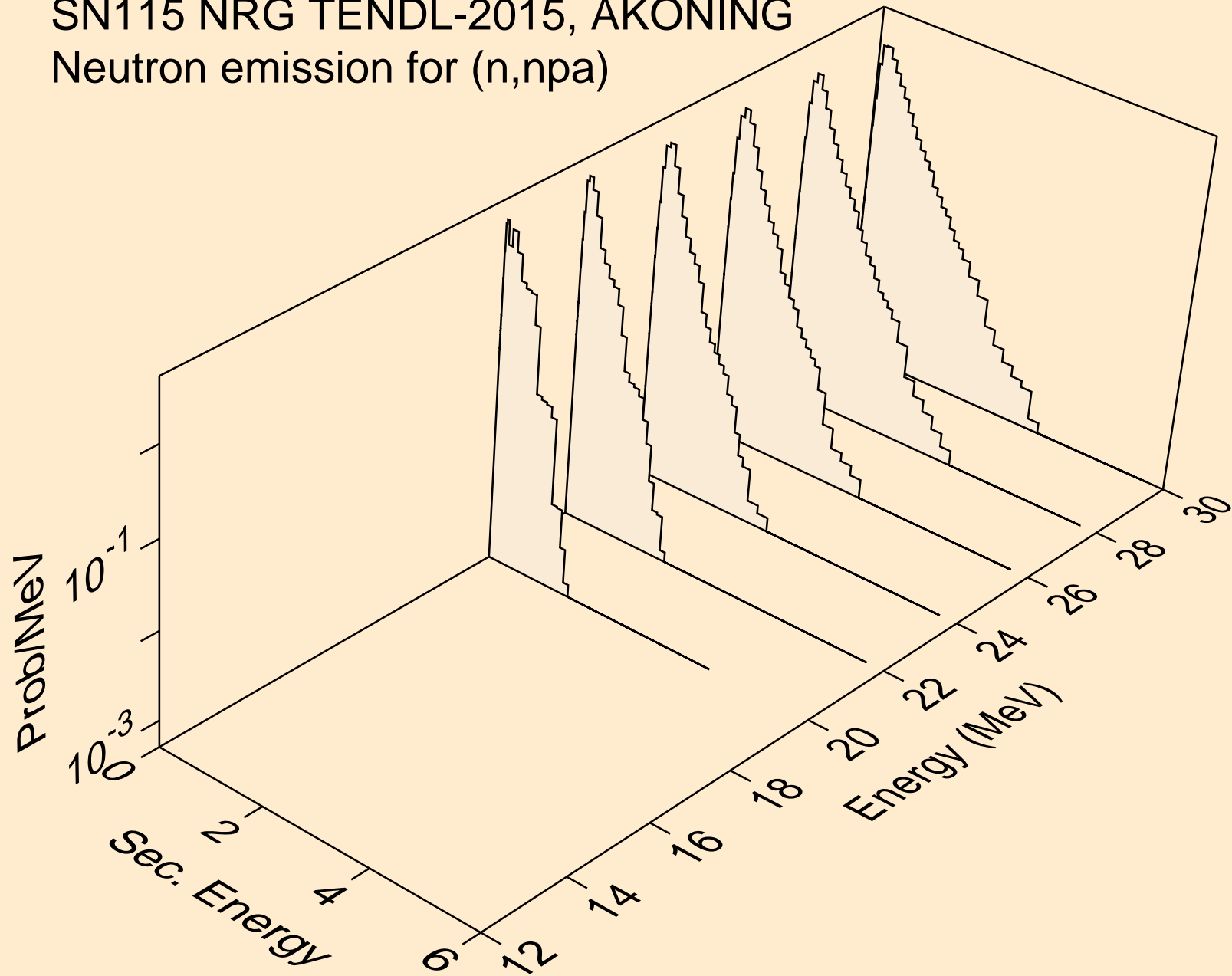
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



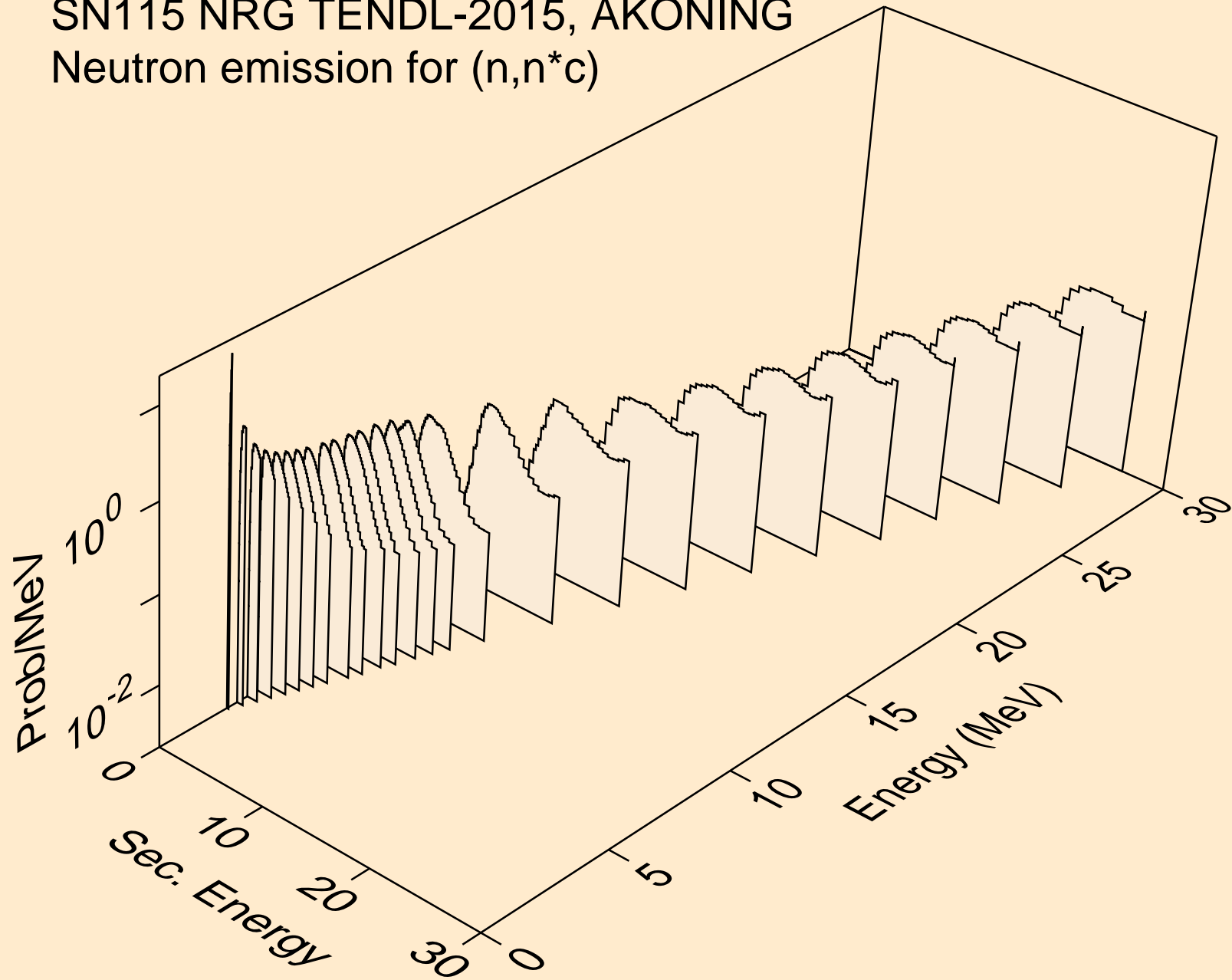
SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

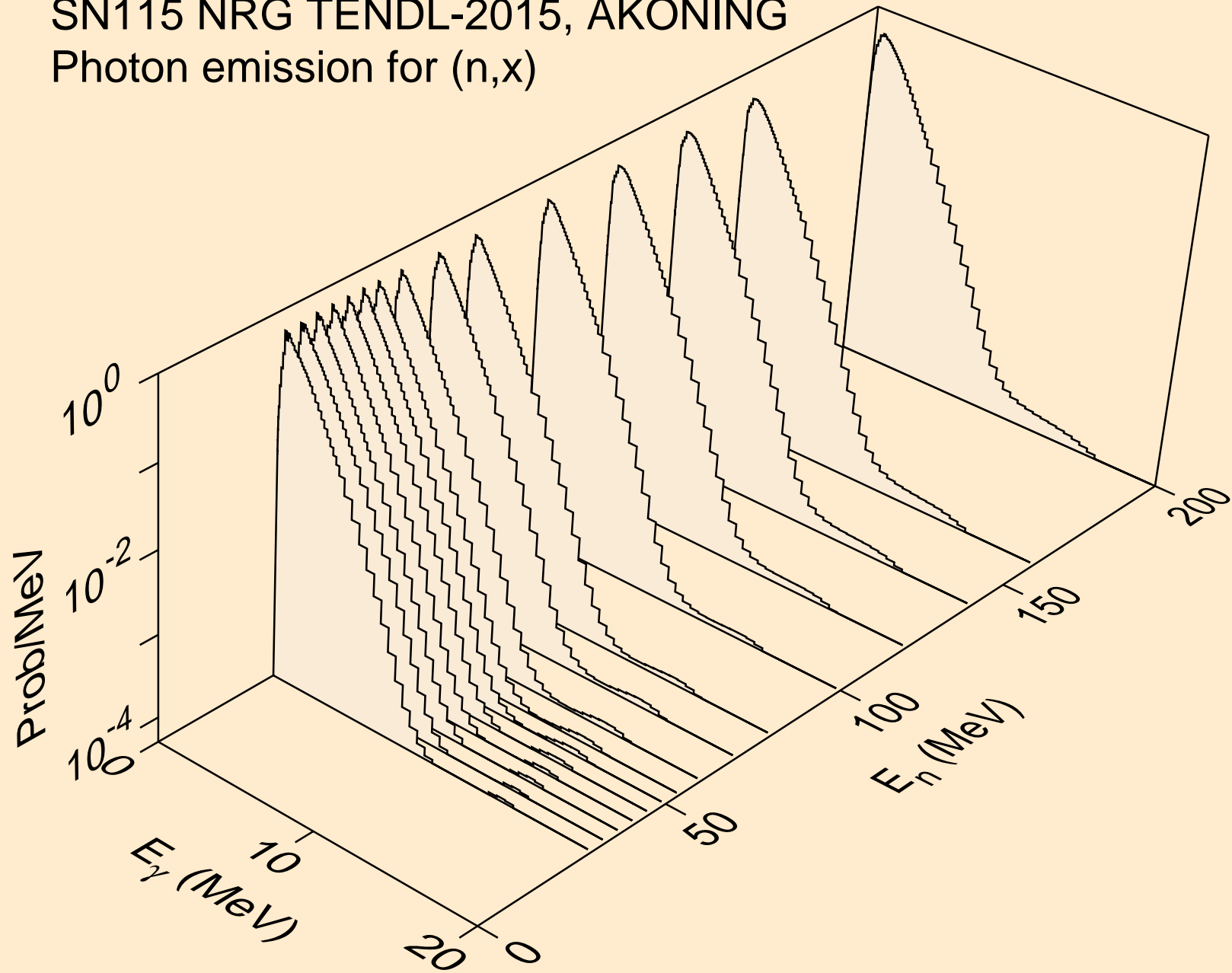


SN115 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

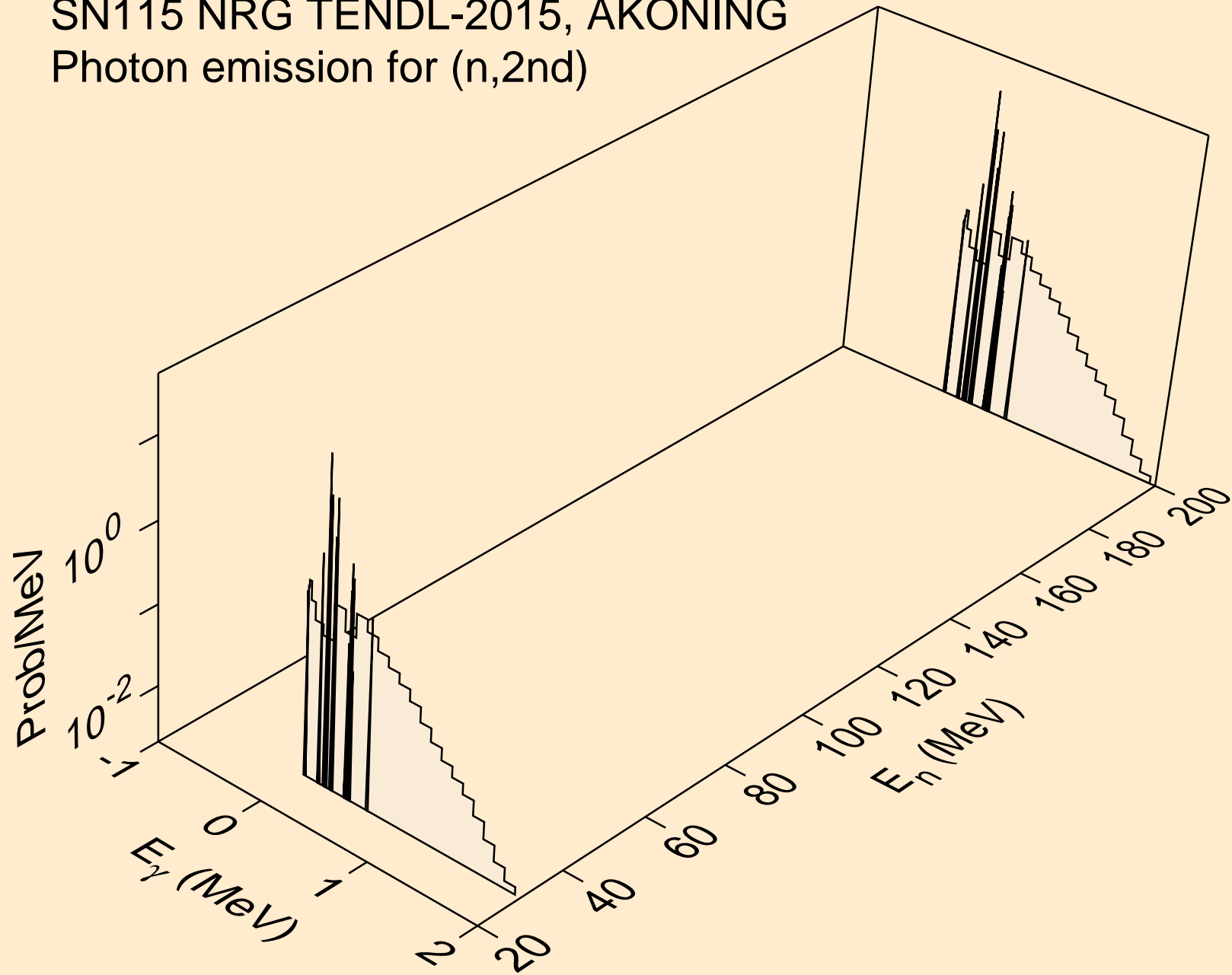




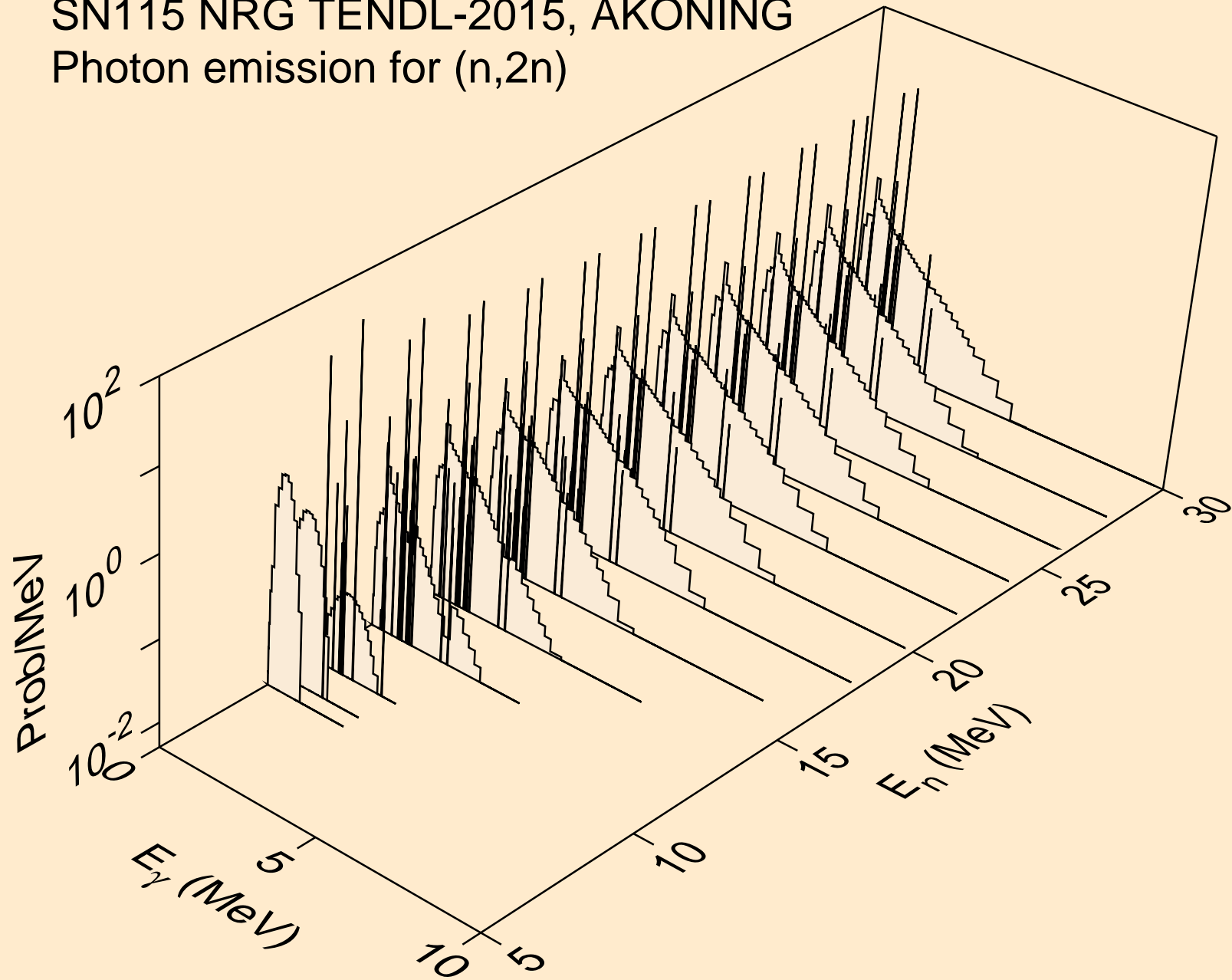
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



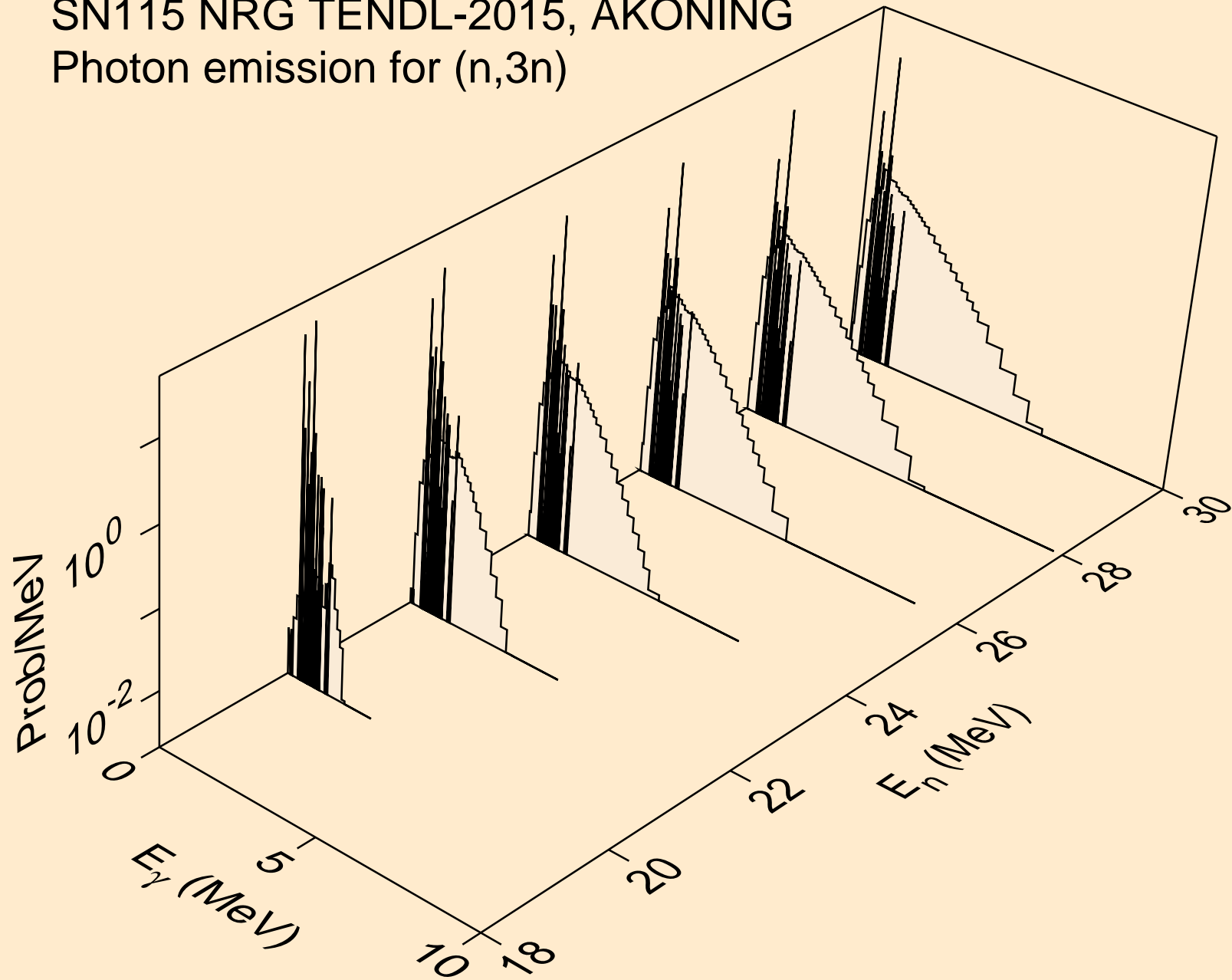
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



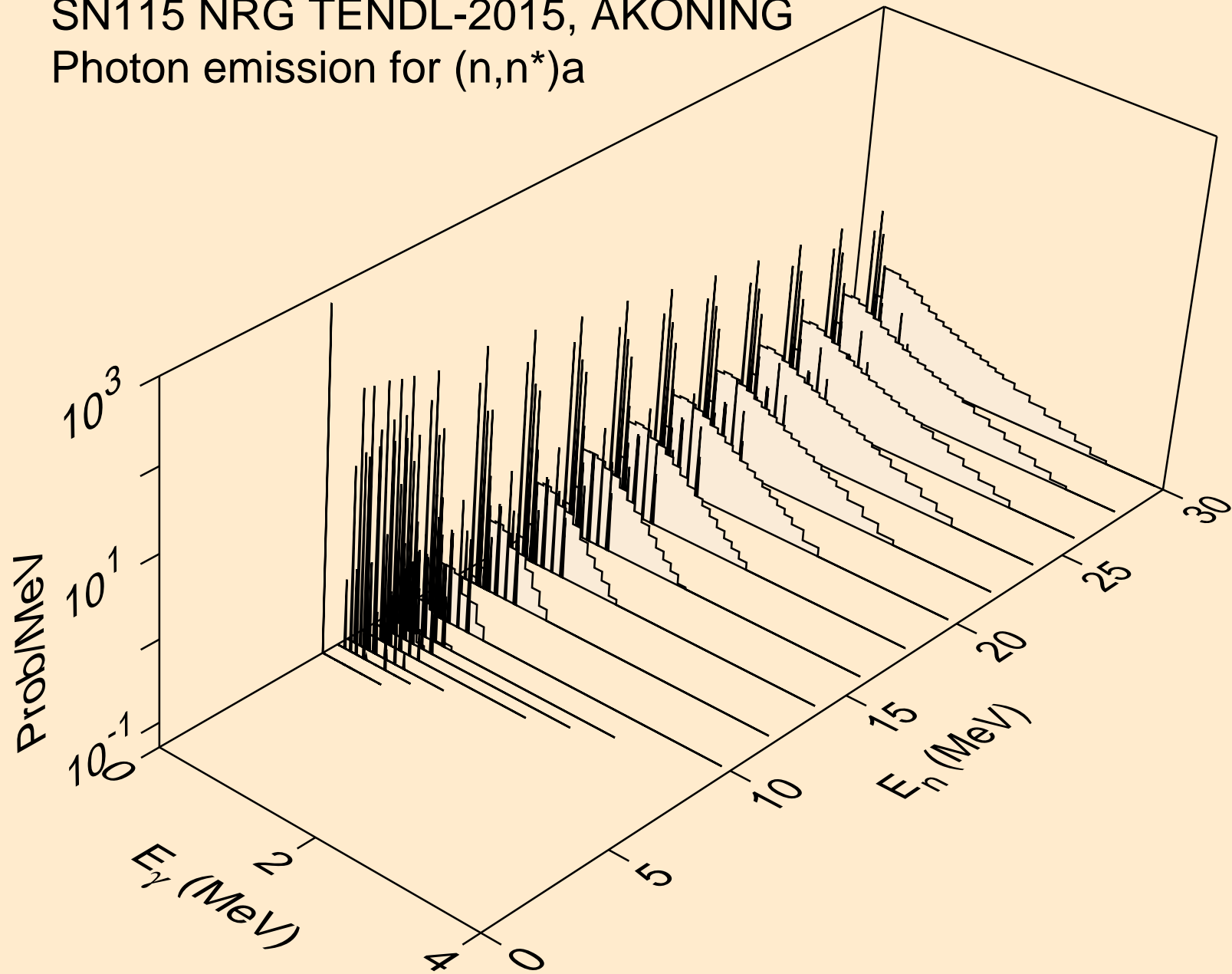
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



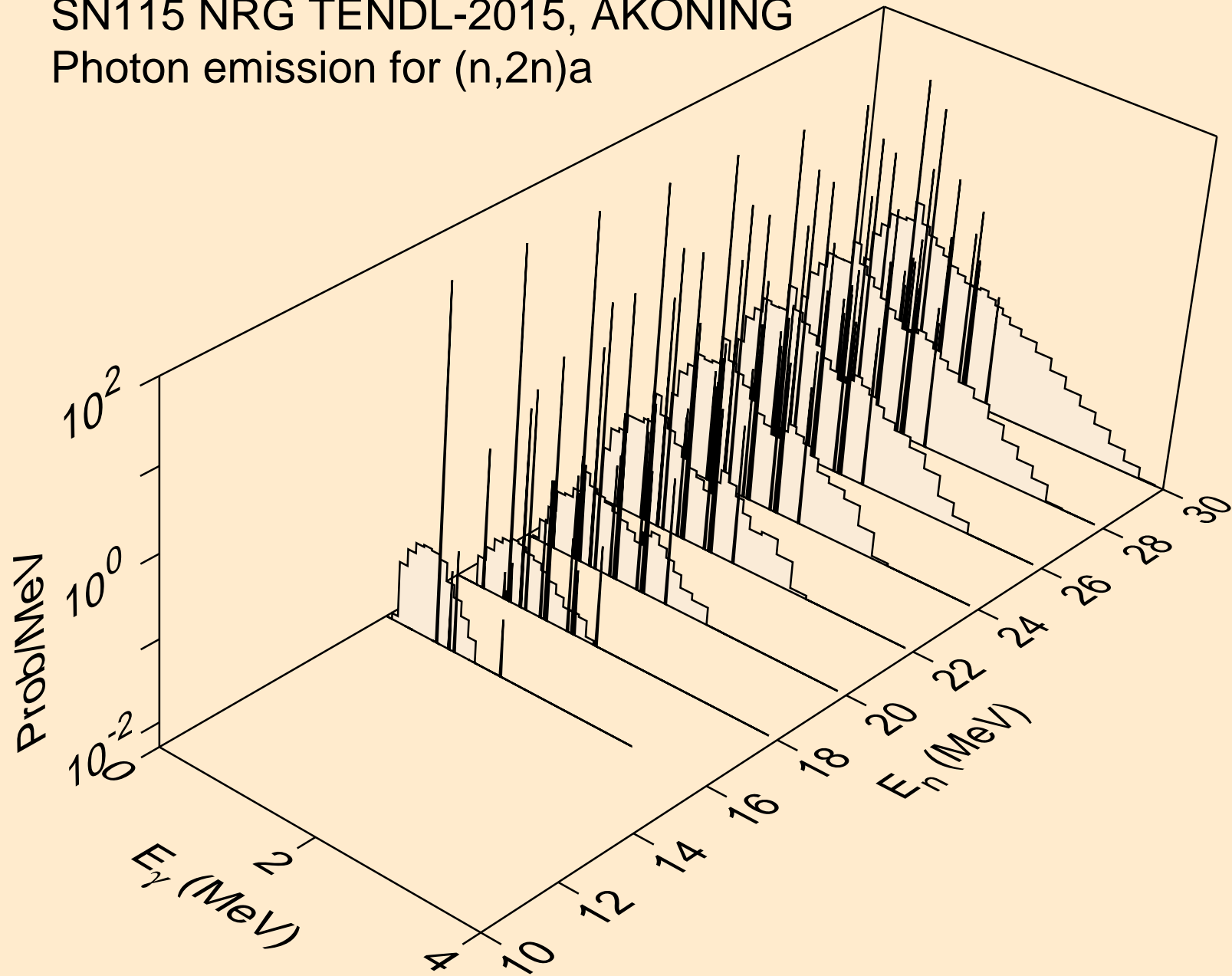
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



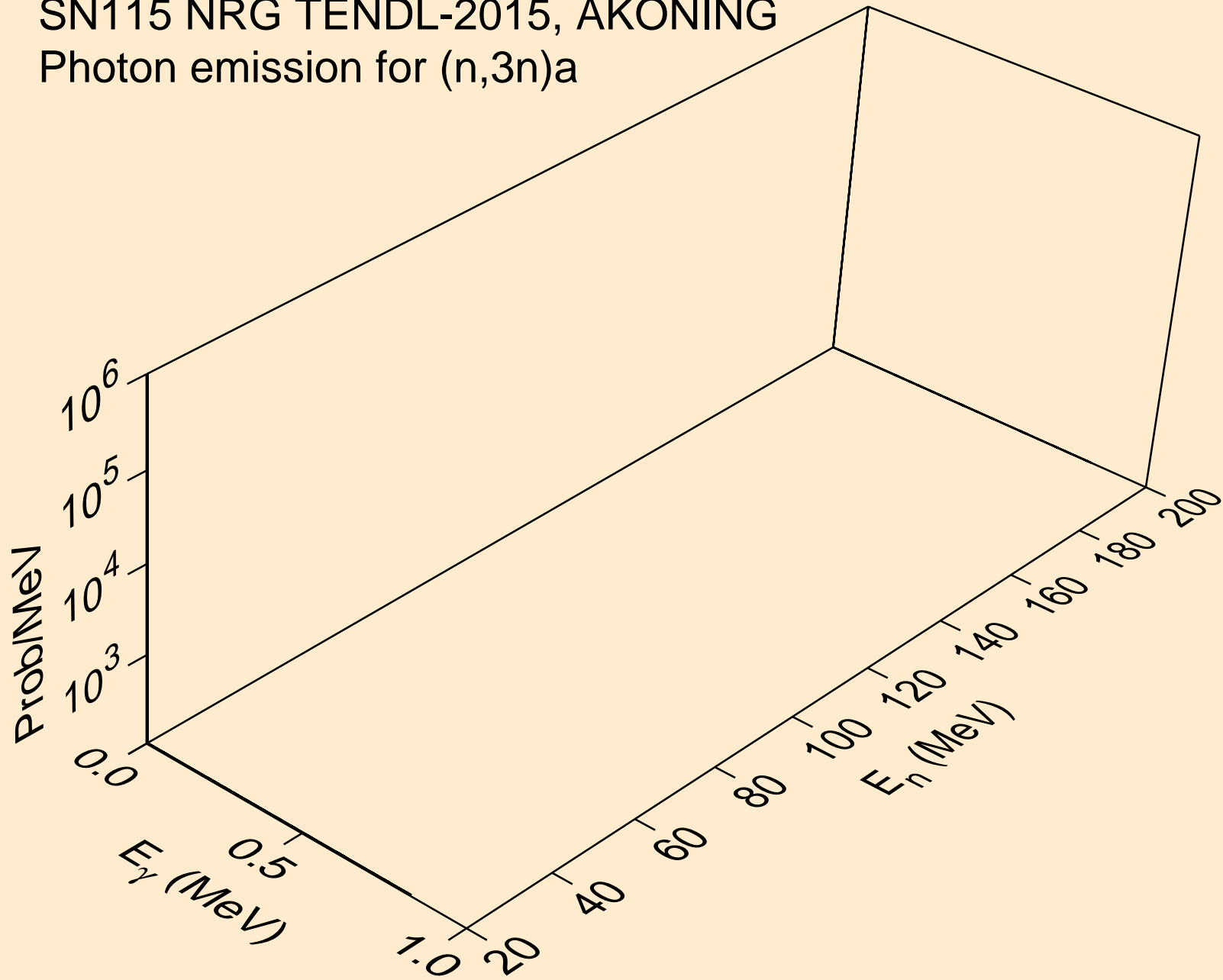
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



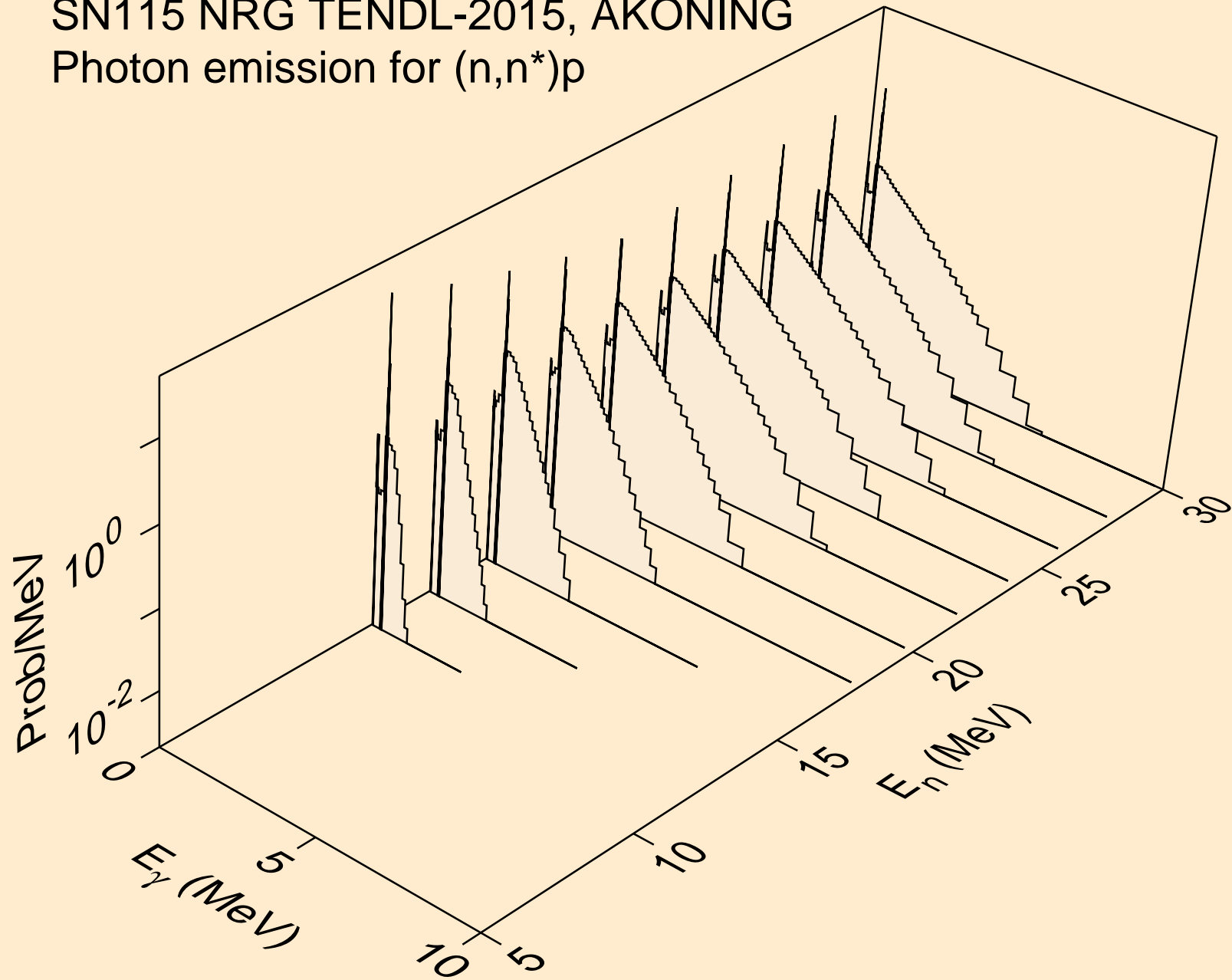
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

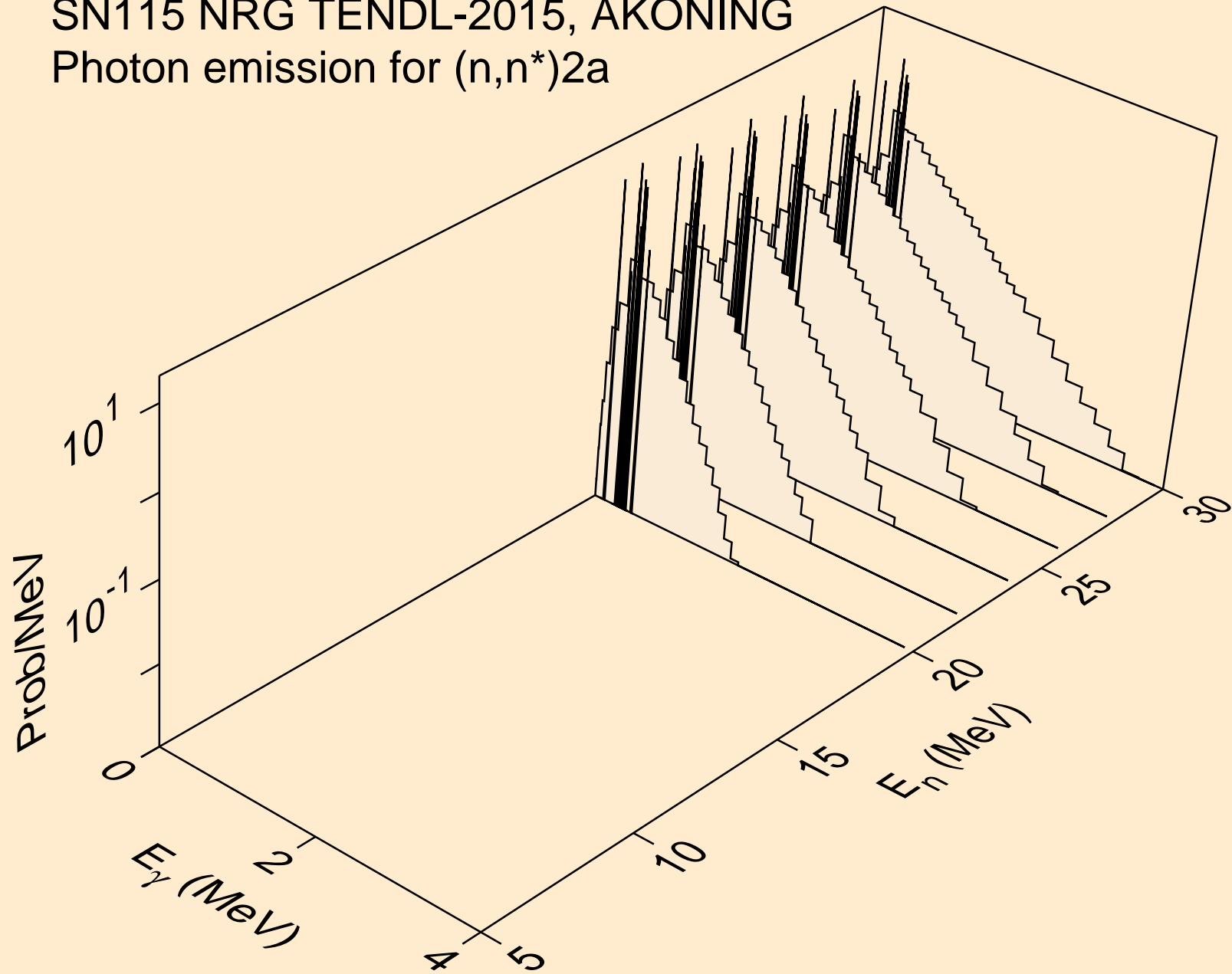


SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

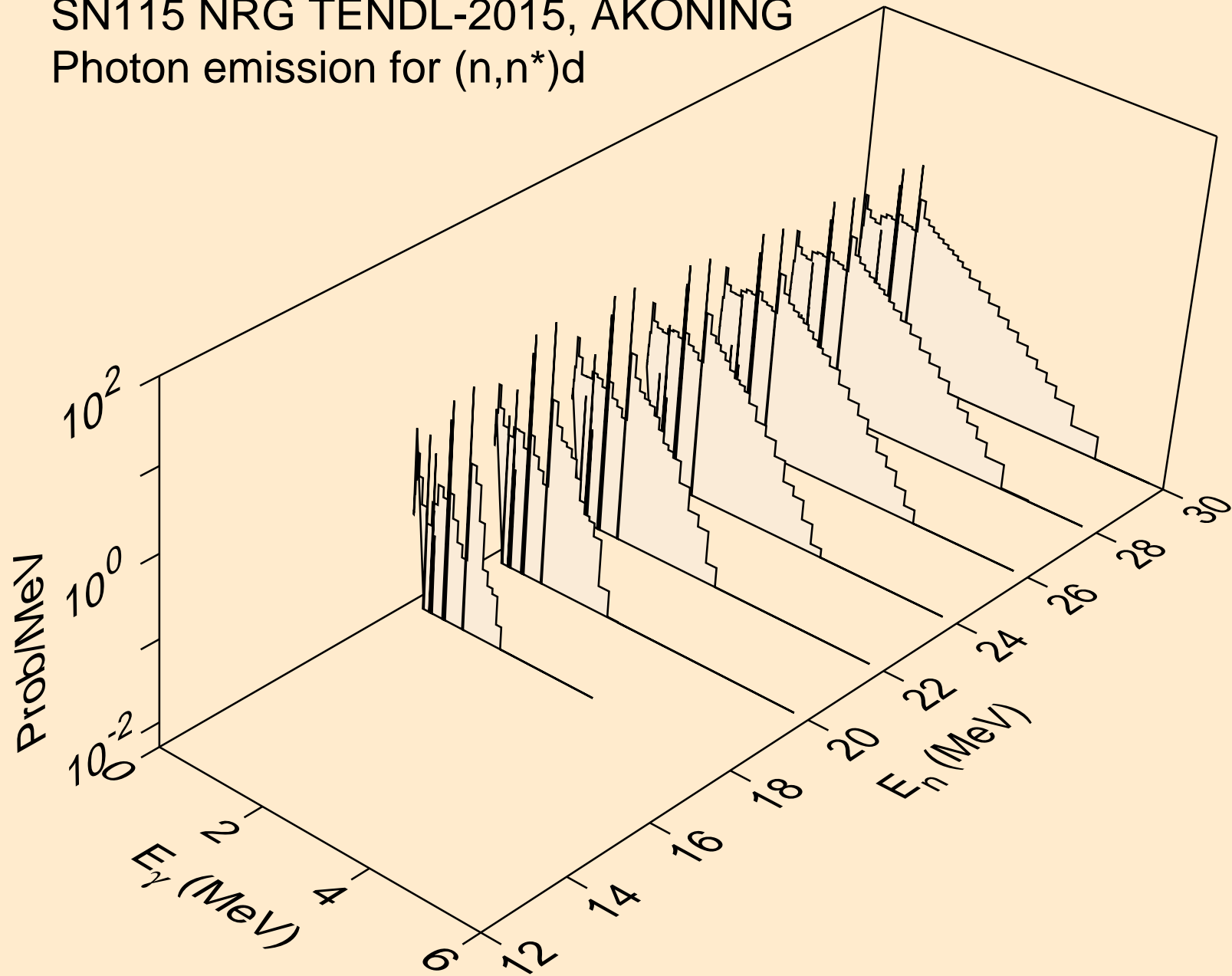




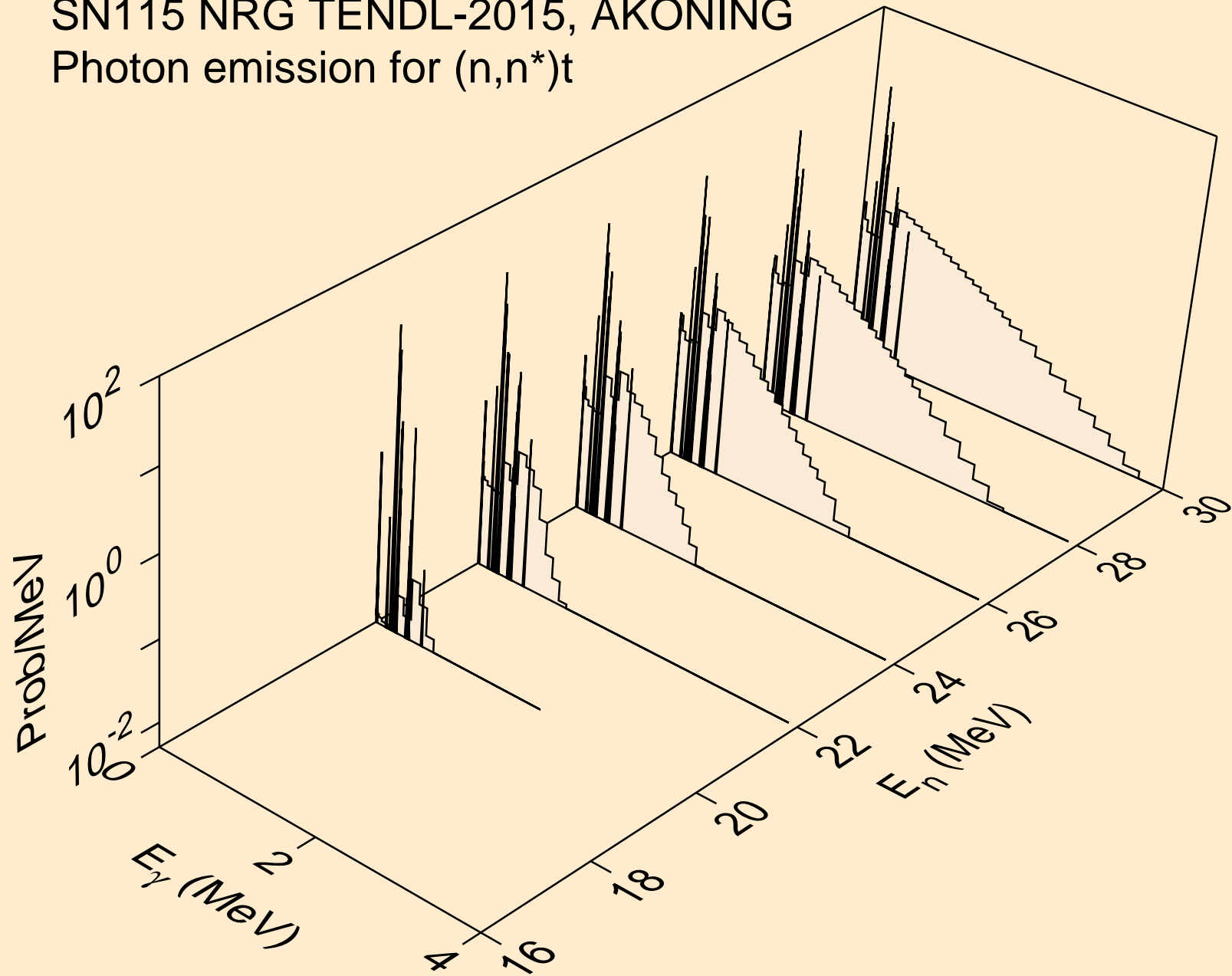
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



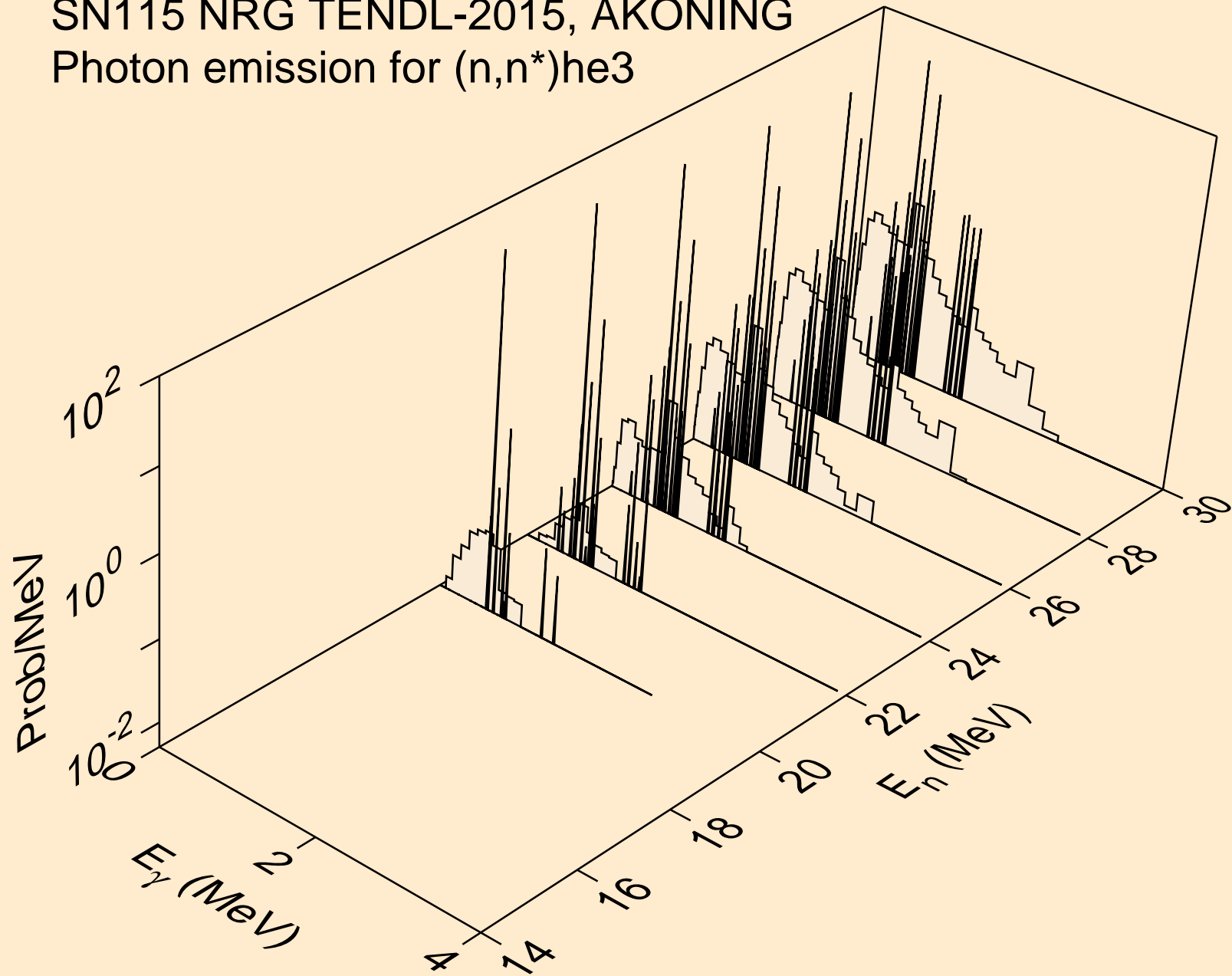
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



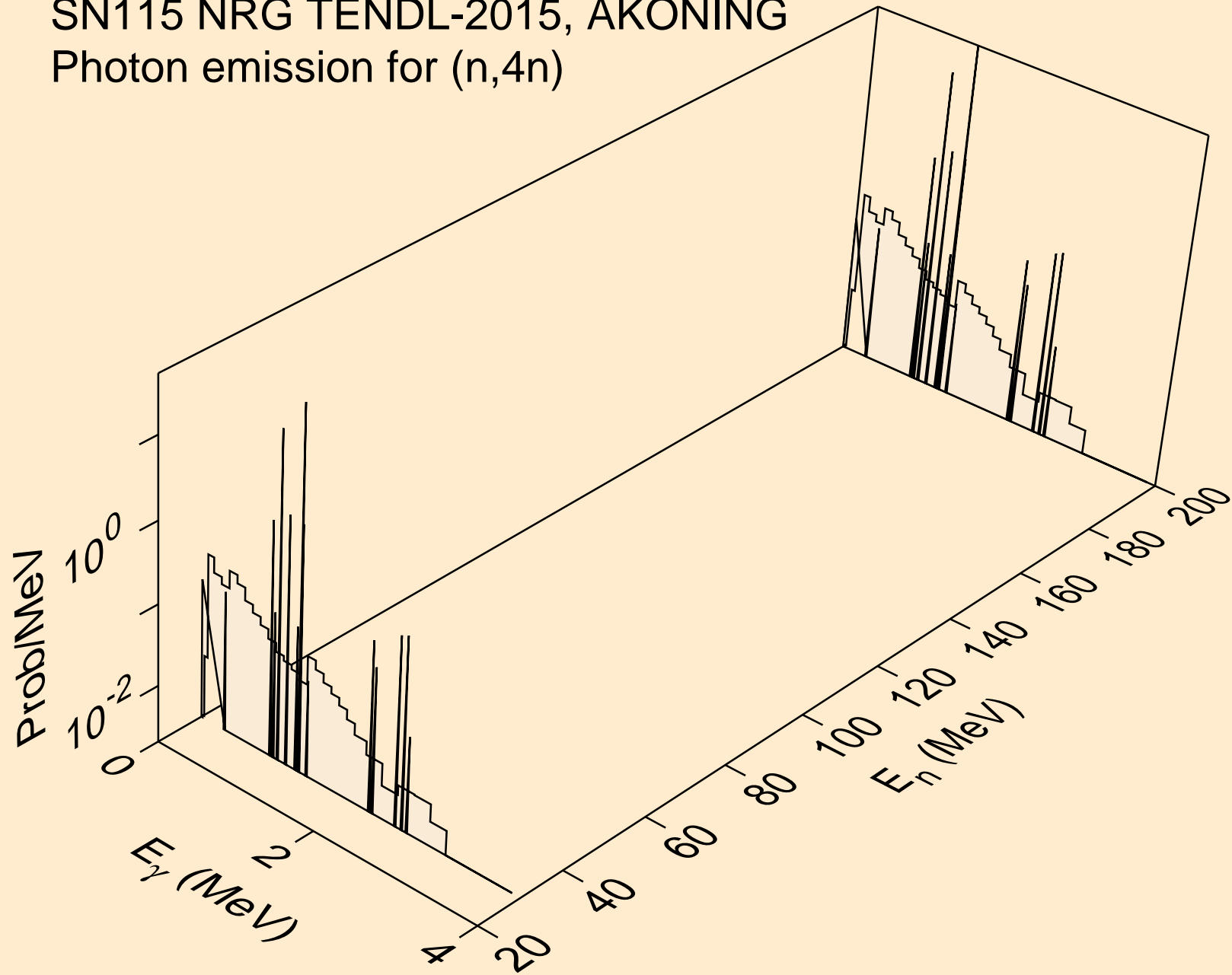
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



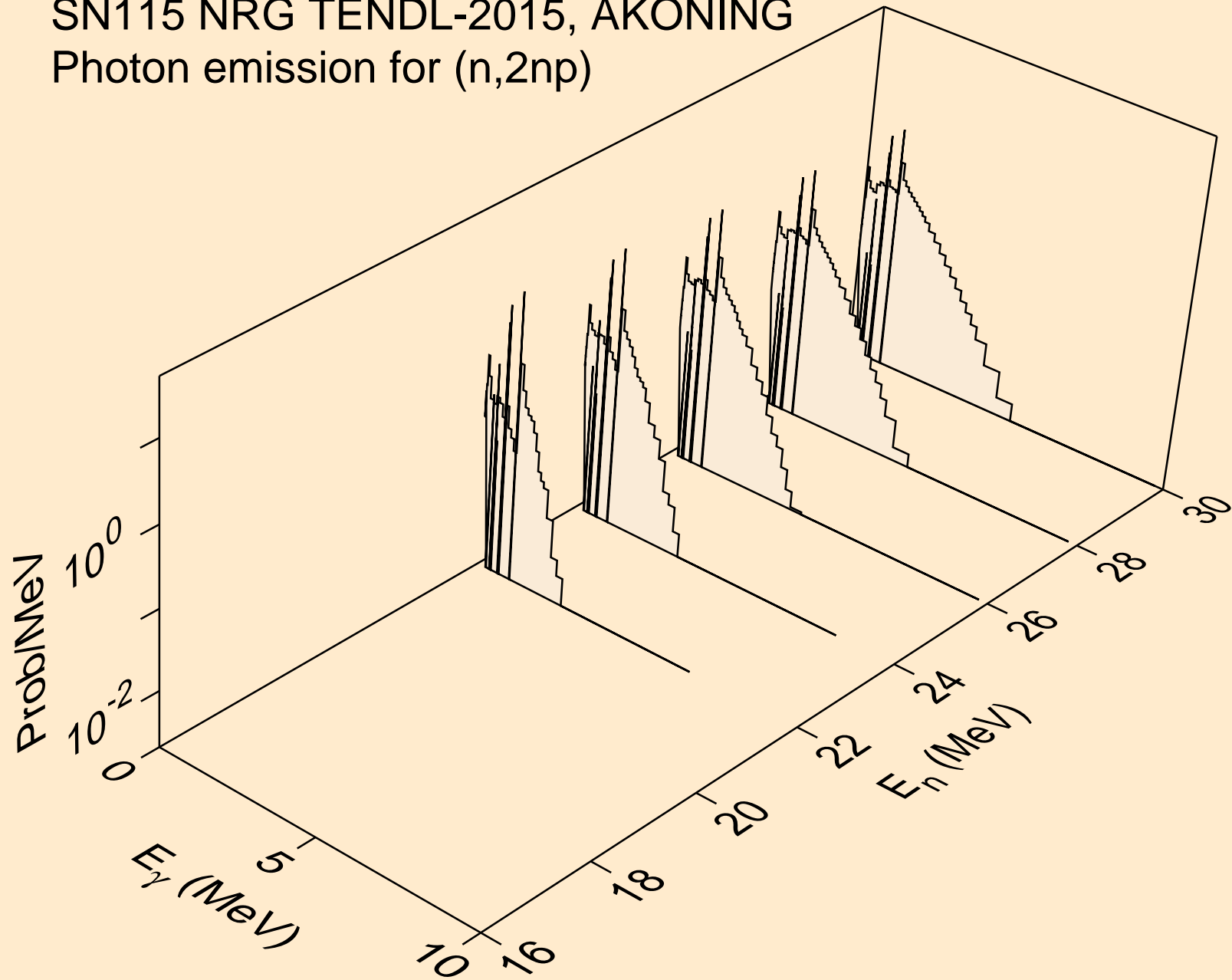
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



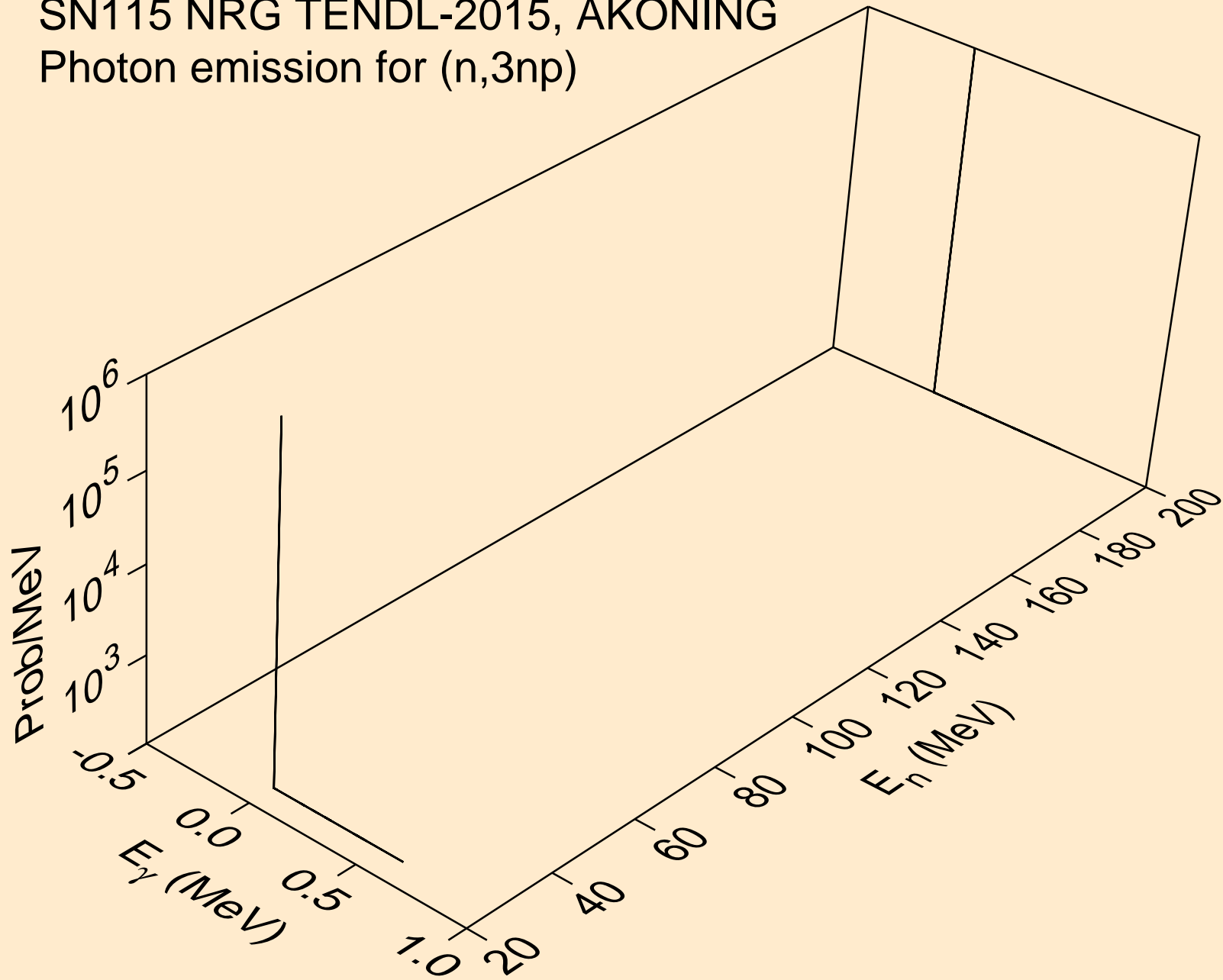
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



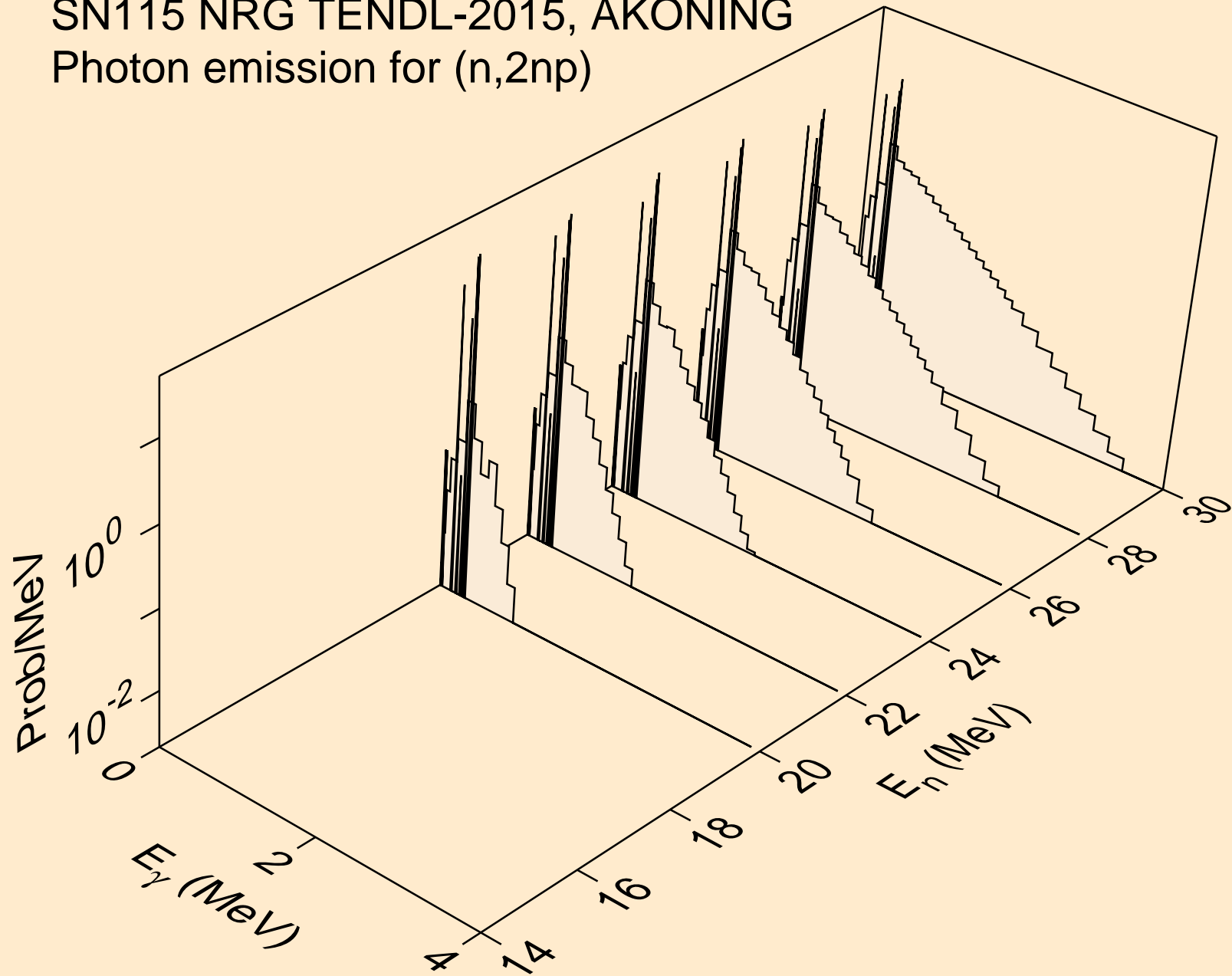
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

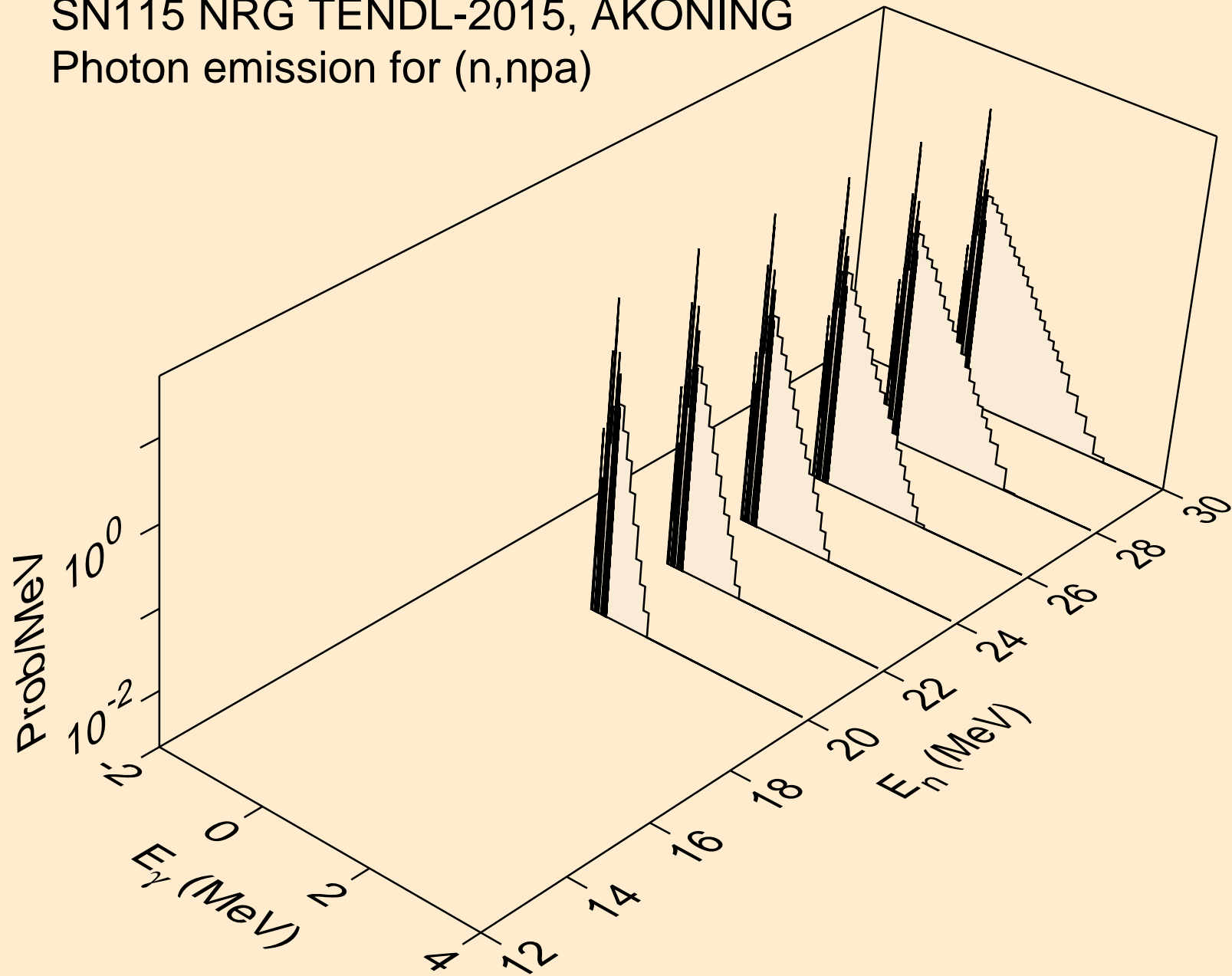


SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

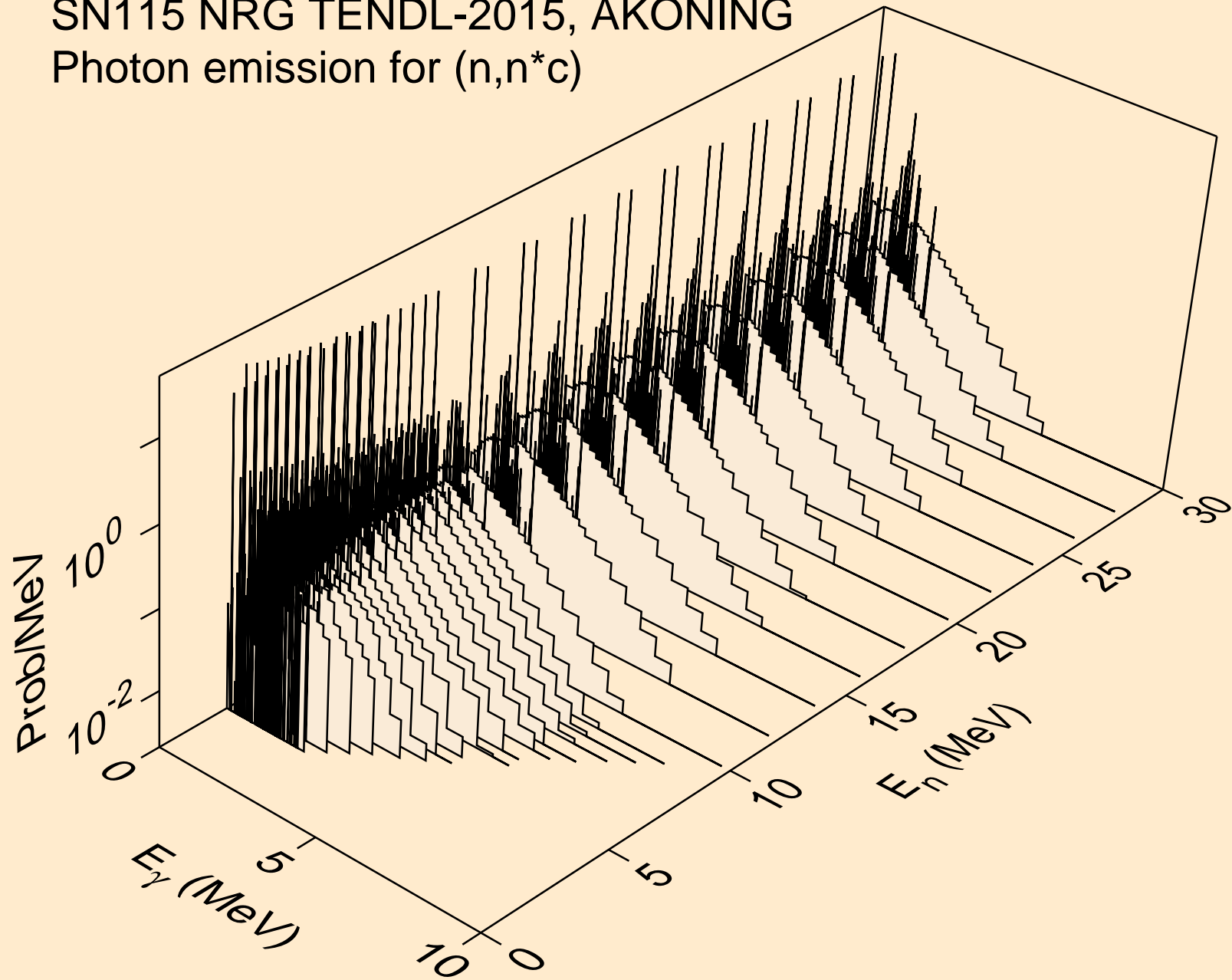




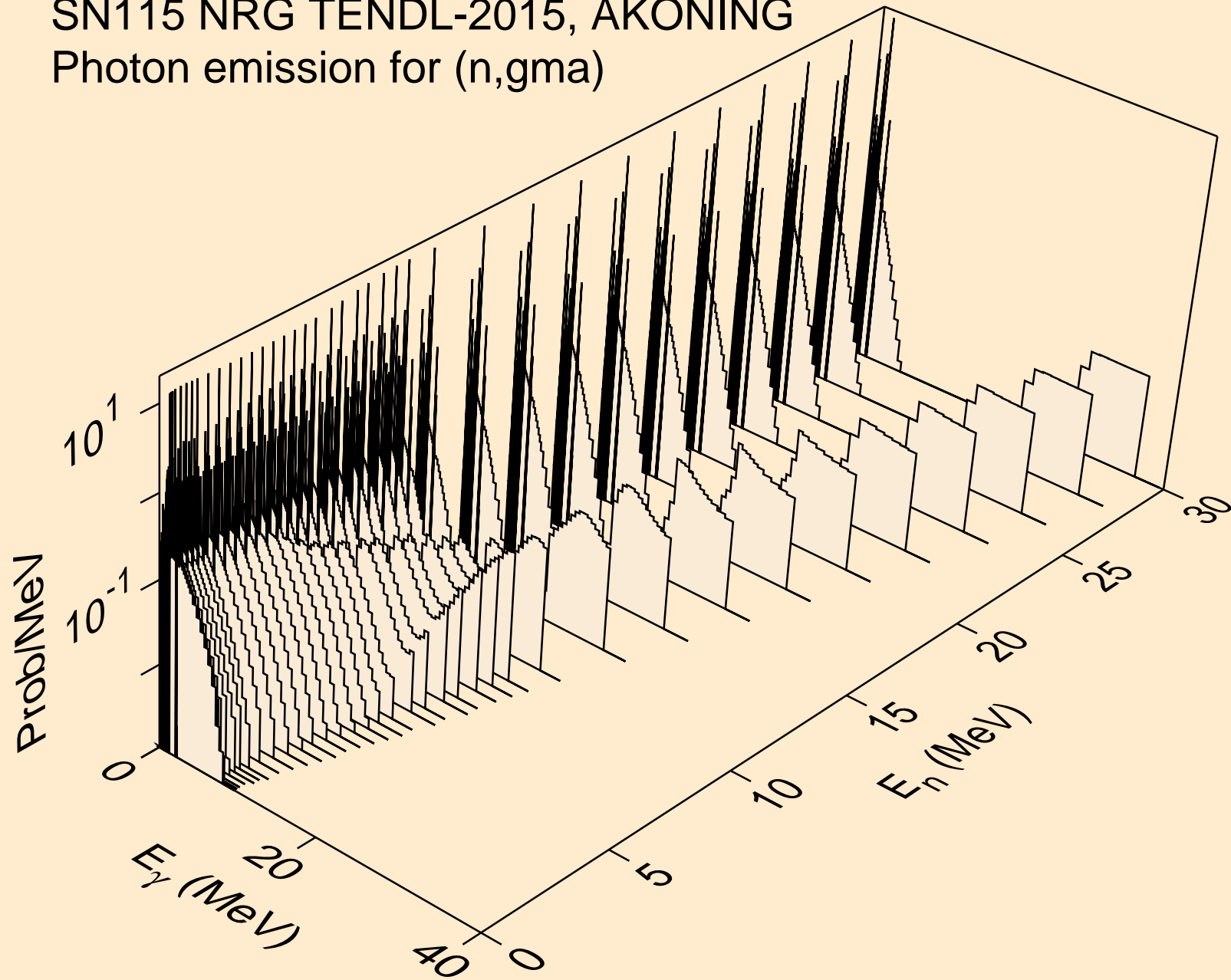
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



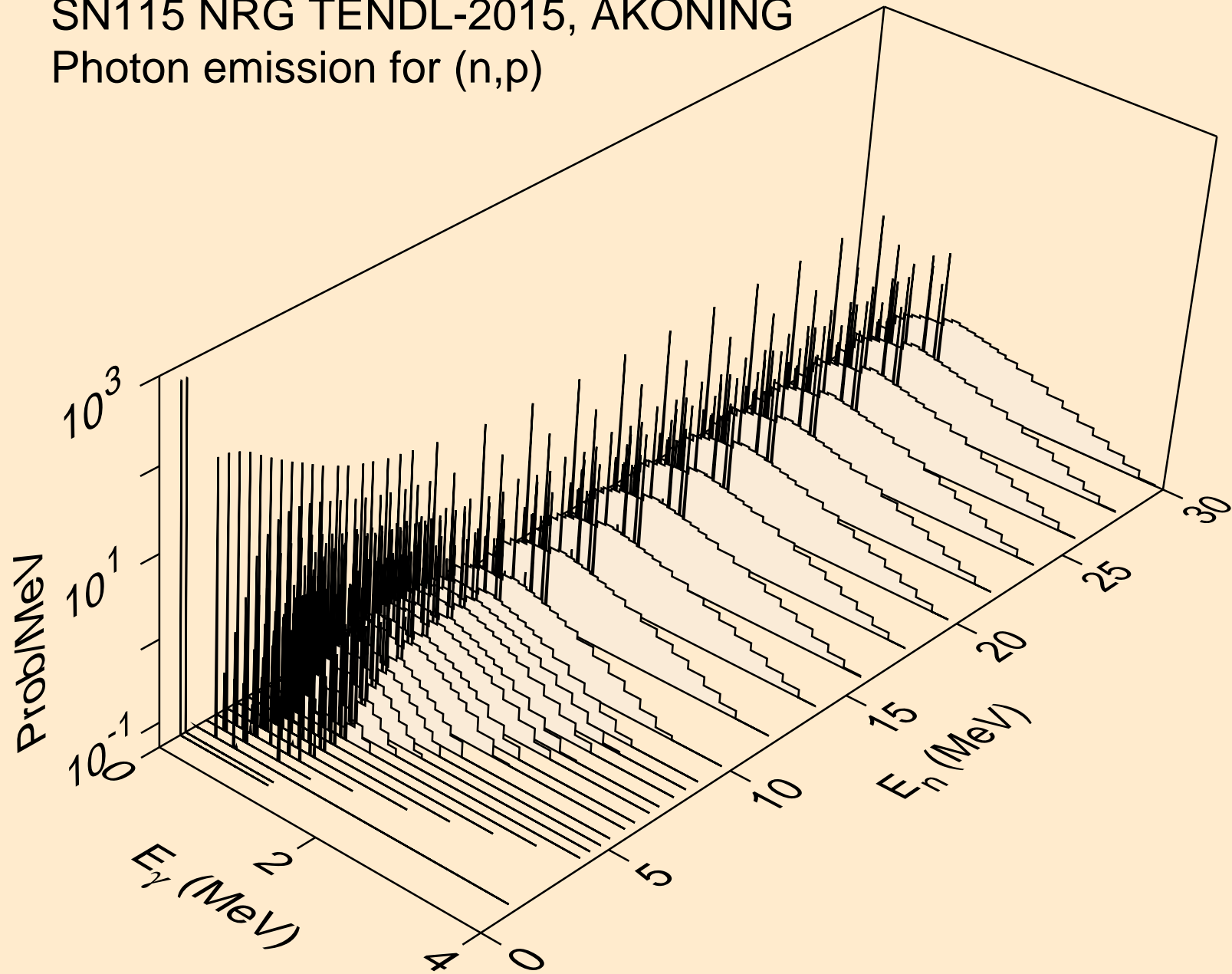
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Photon emission for (n,n\*c)



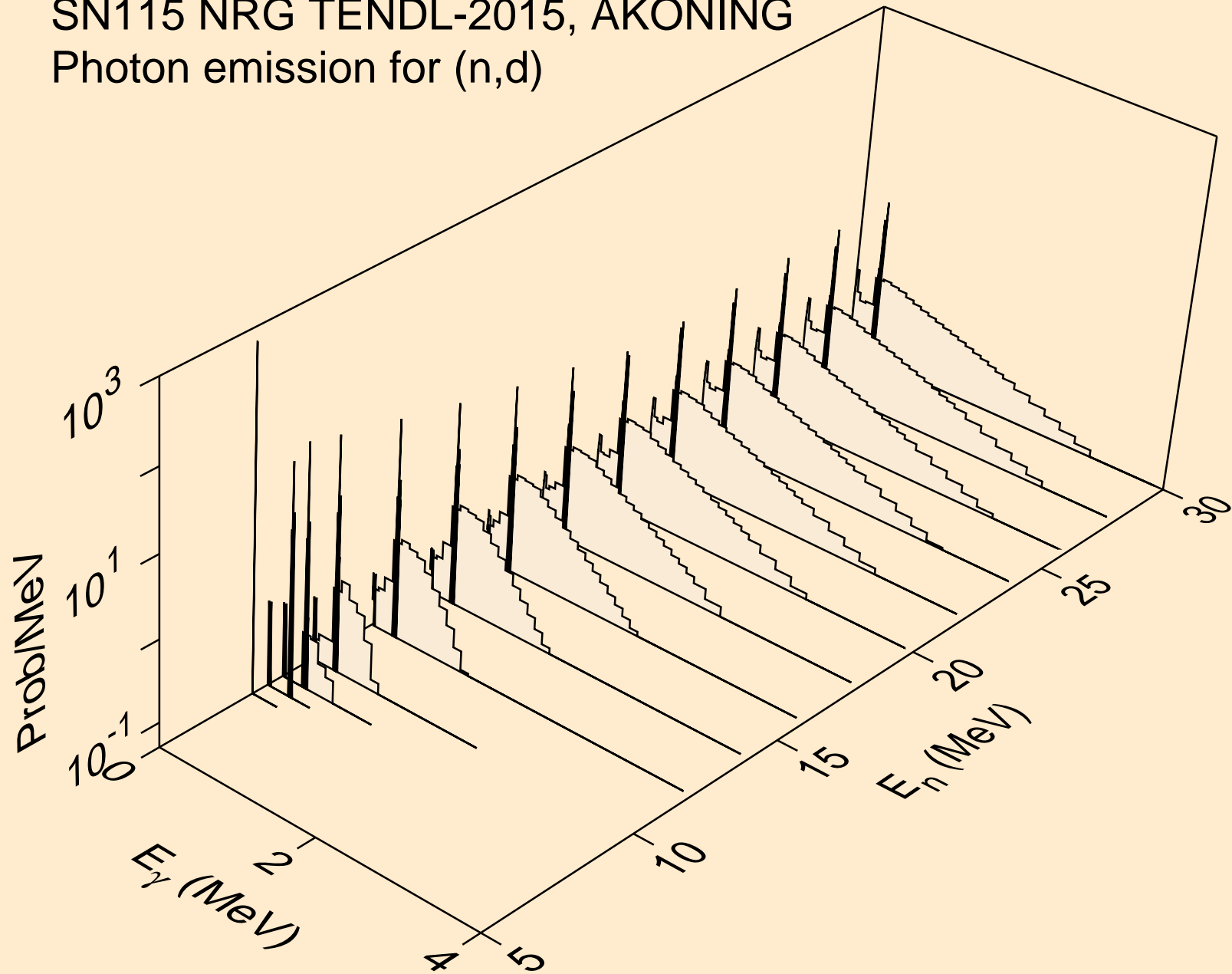
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



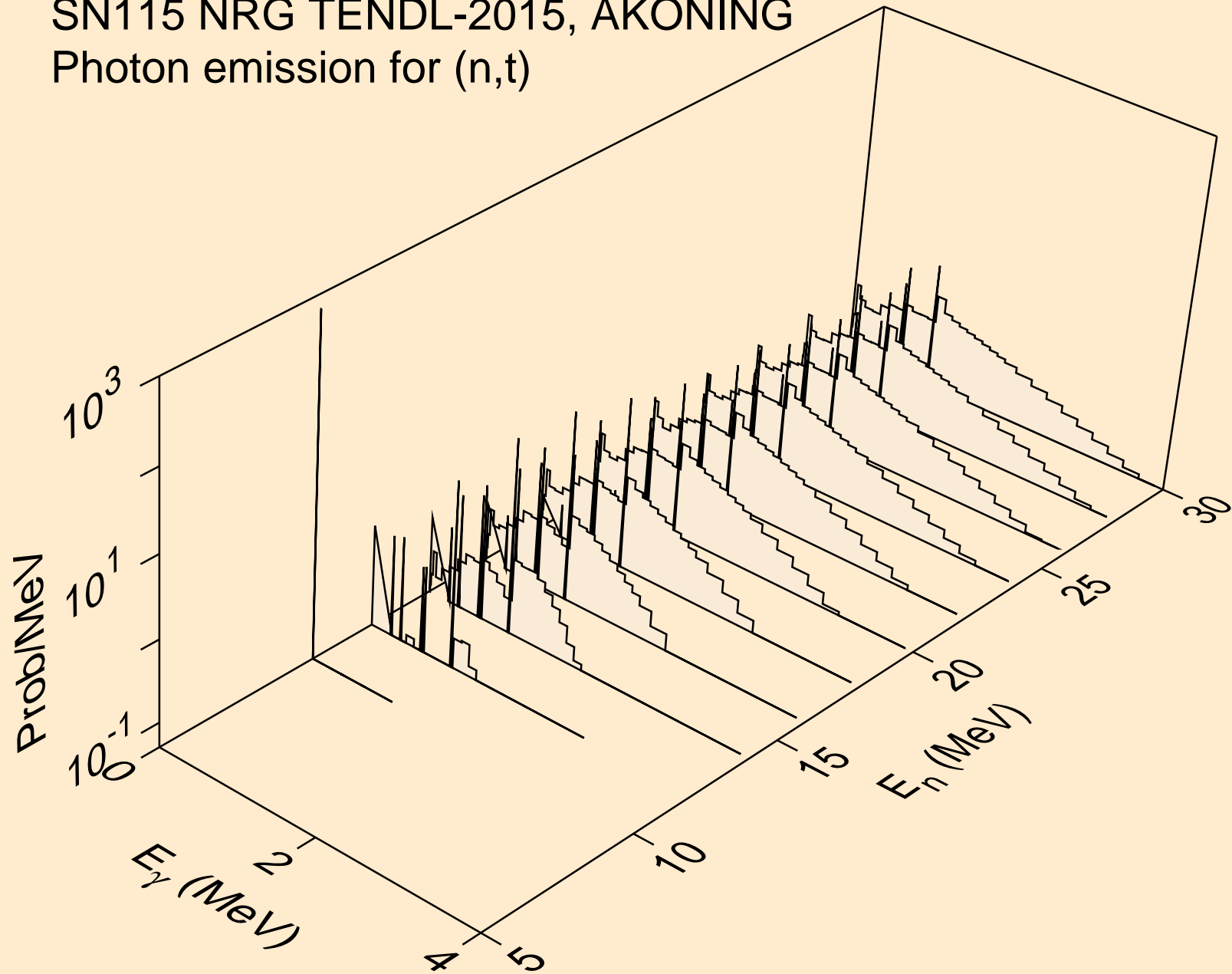
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



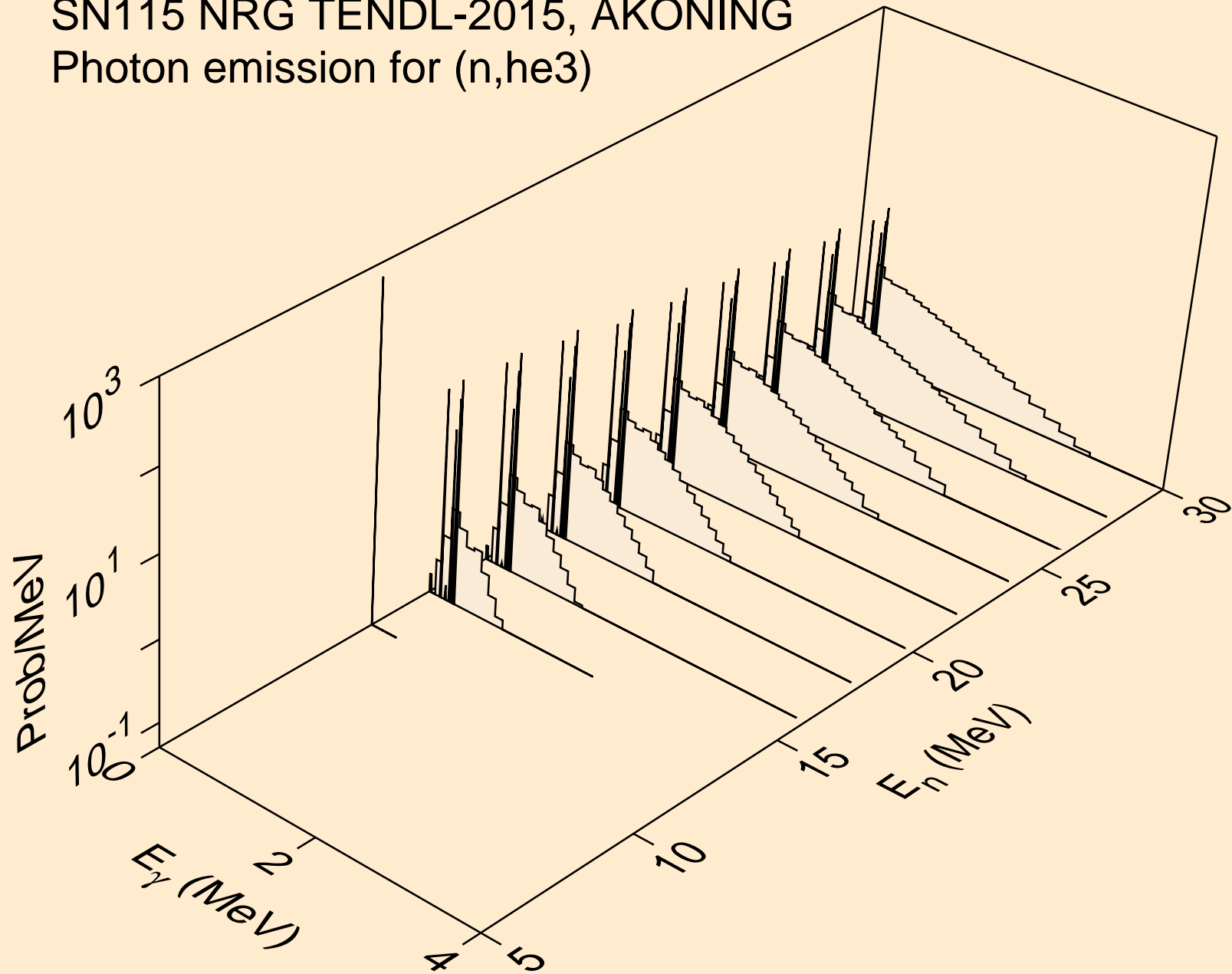
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



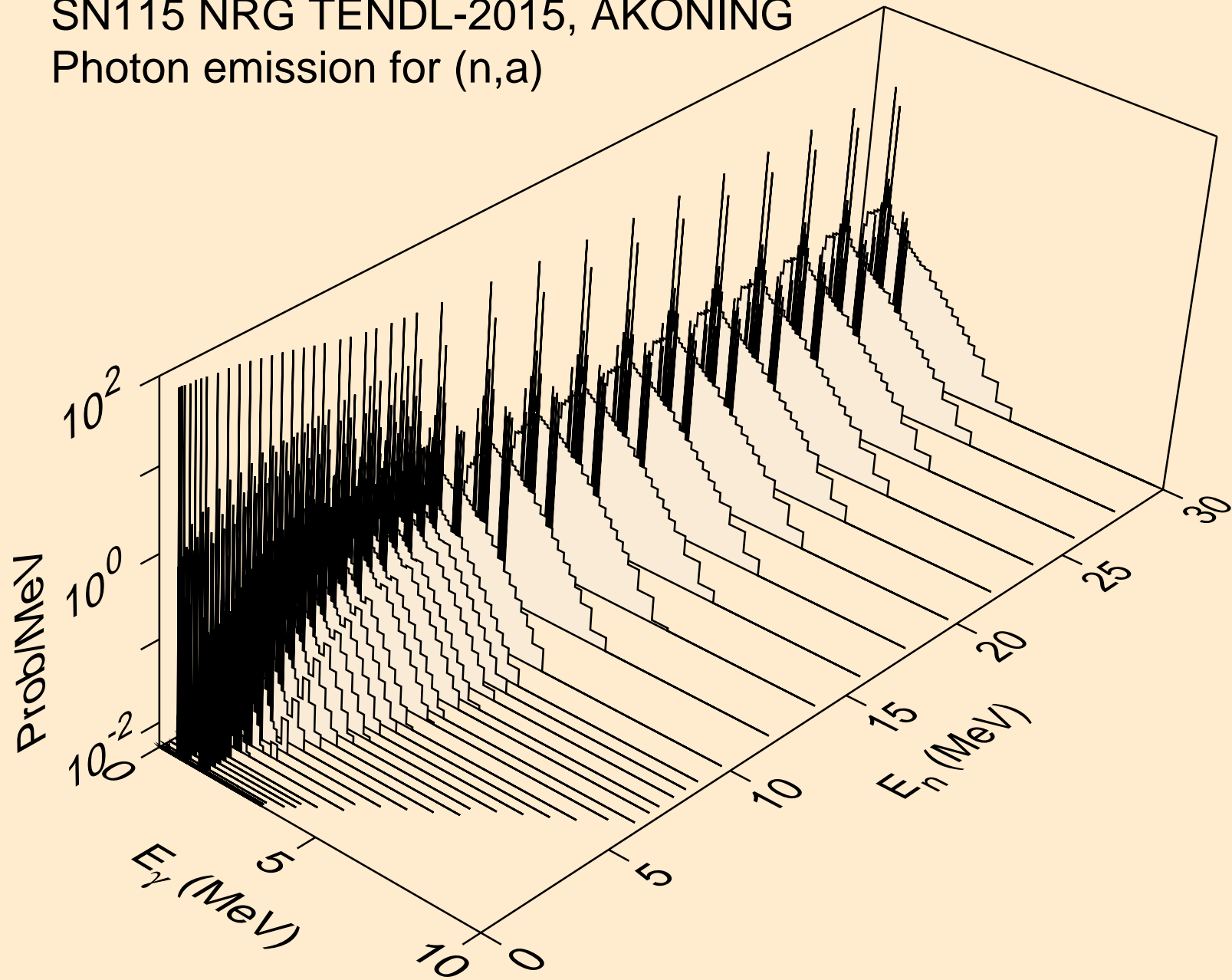
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

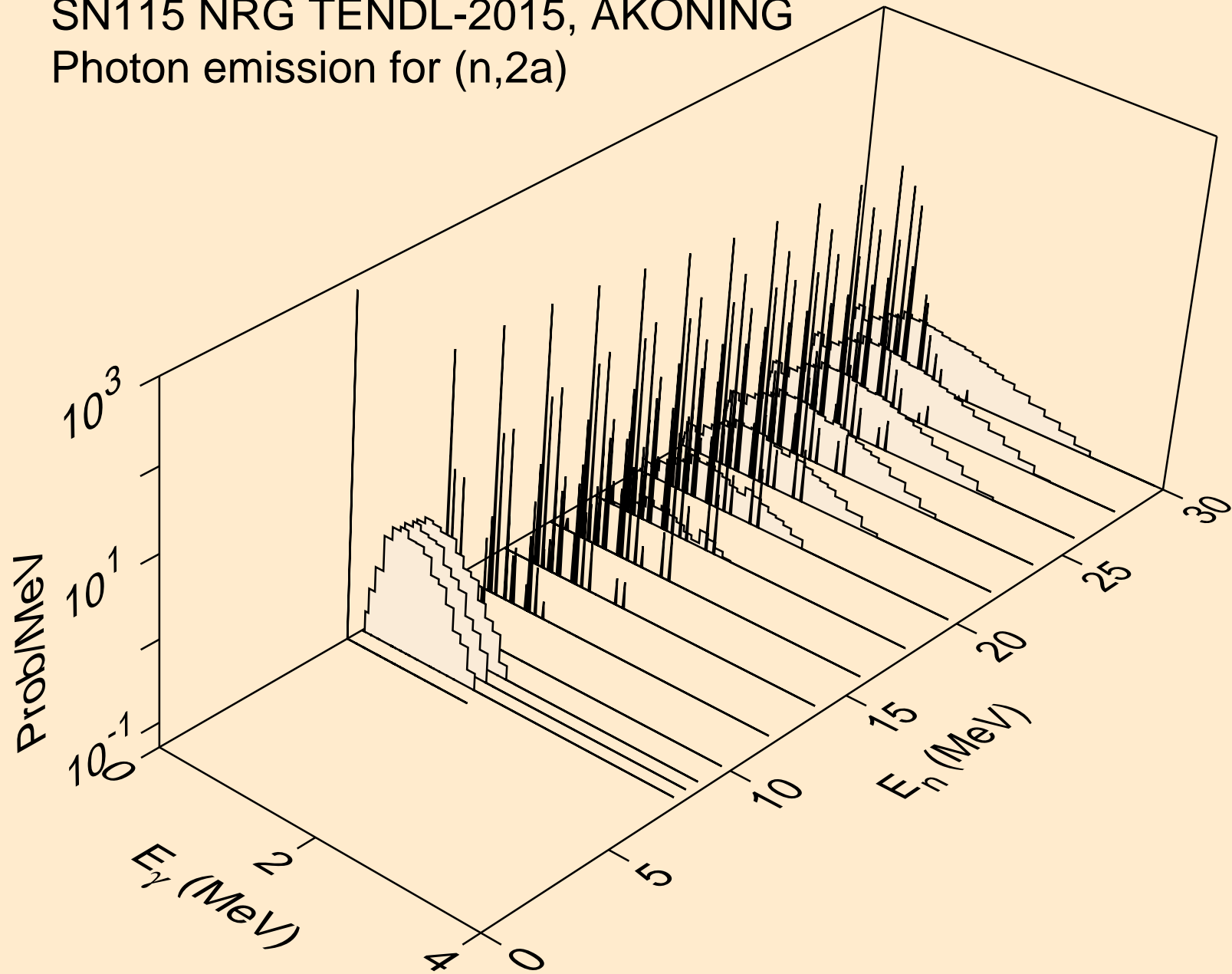


SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

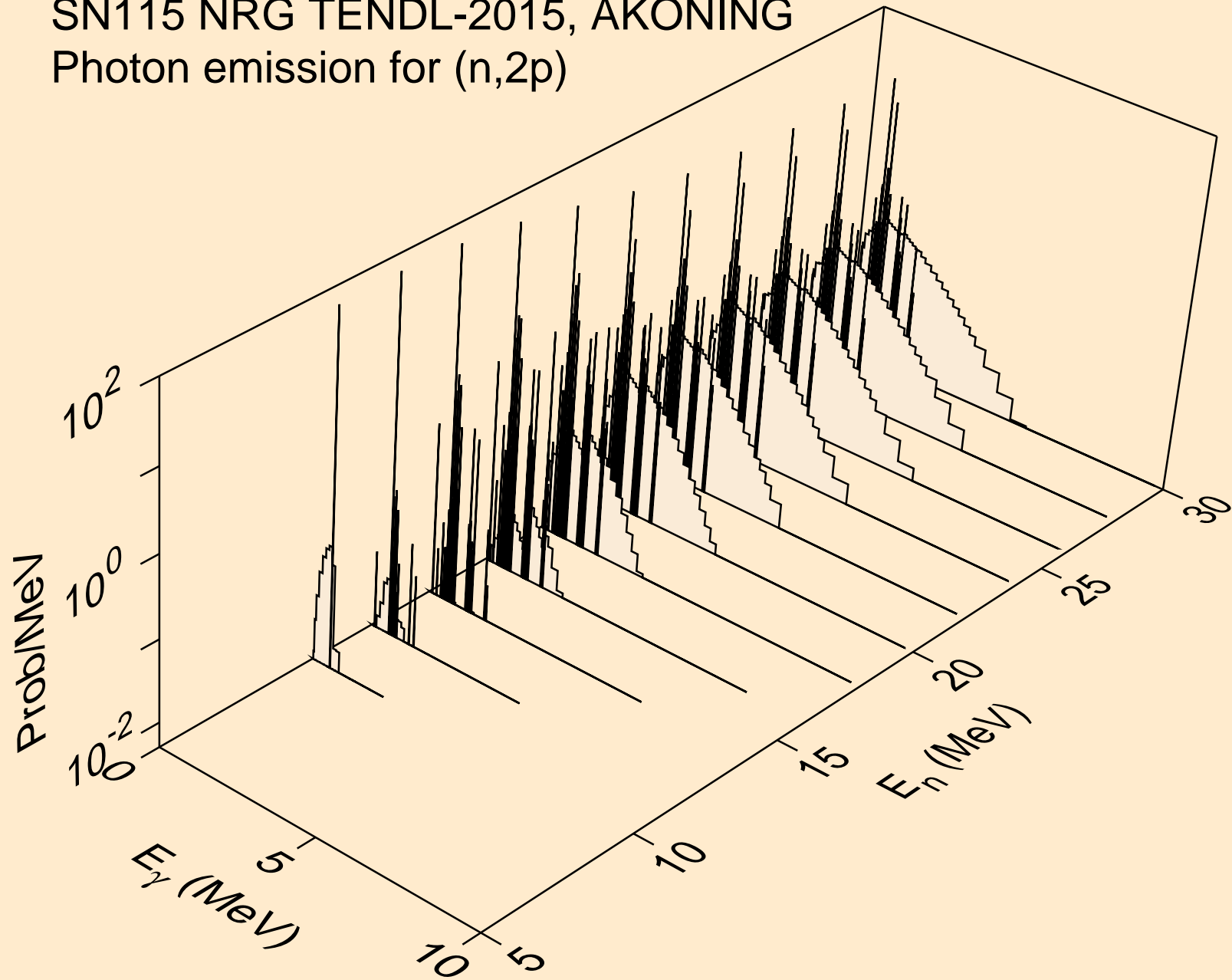




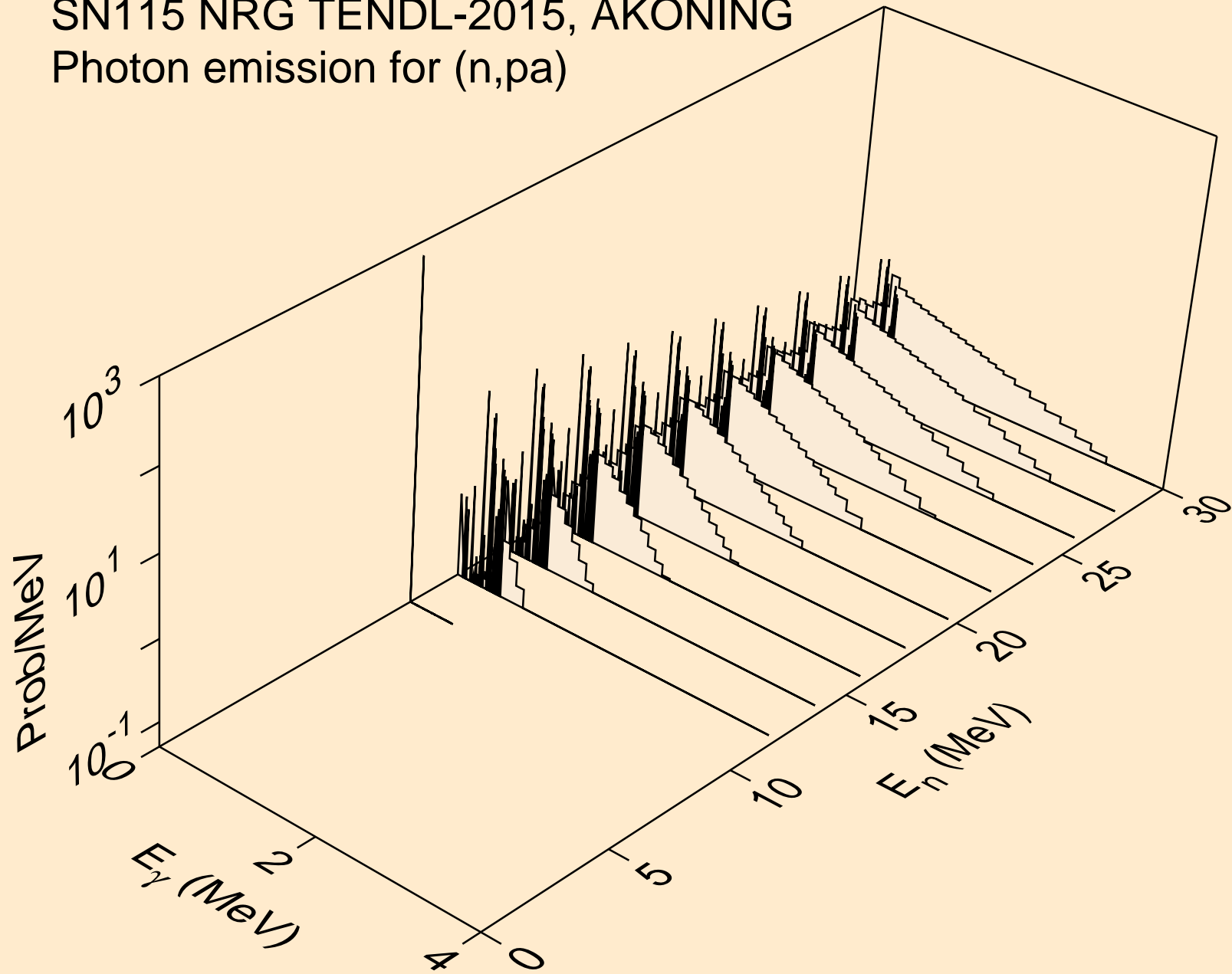
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Photon emission for (n,2a)



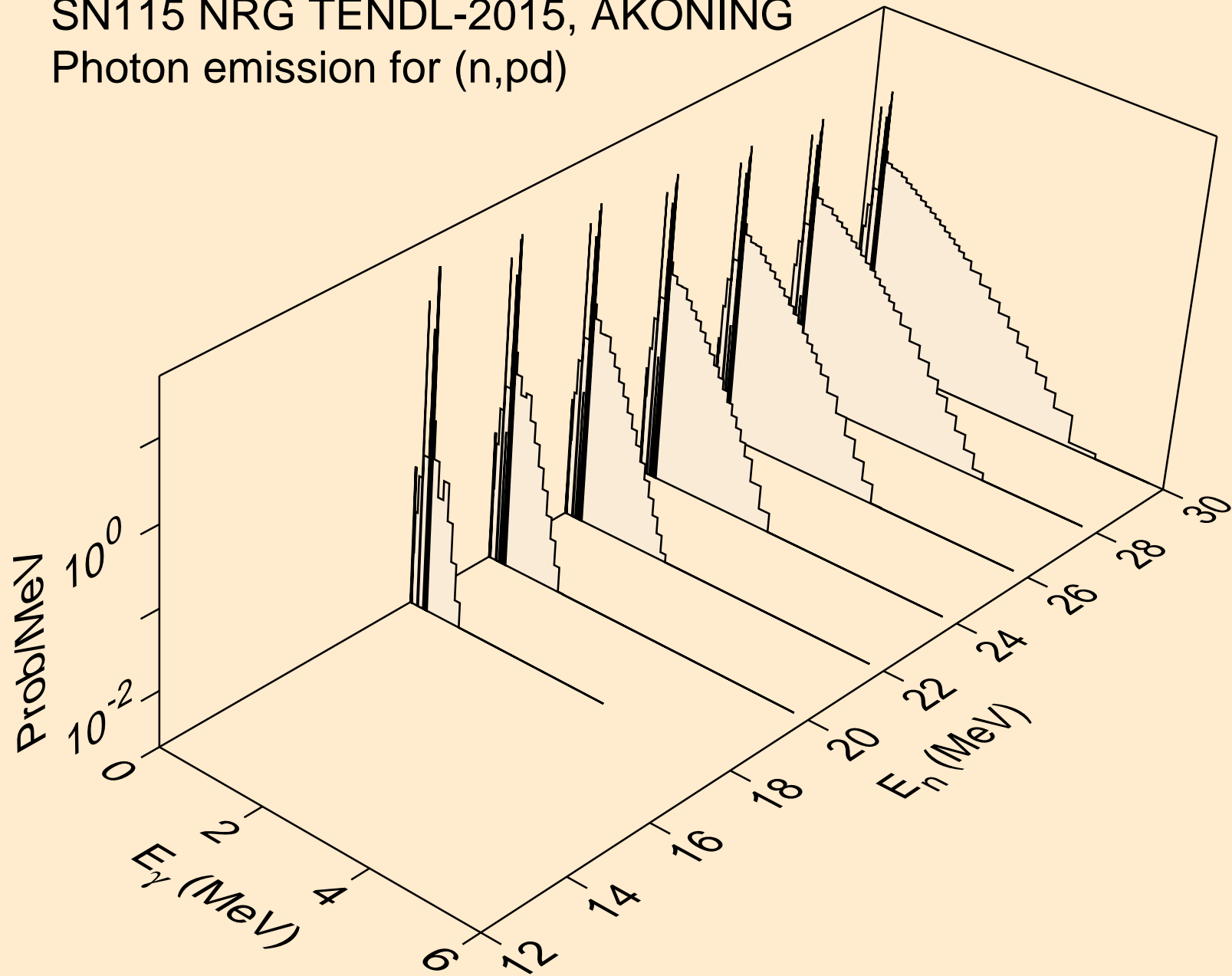
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Photon emission for (n,2p)



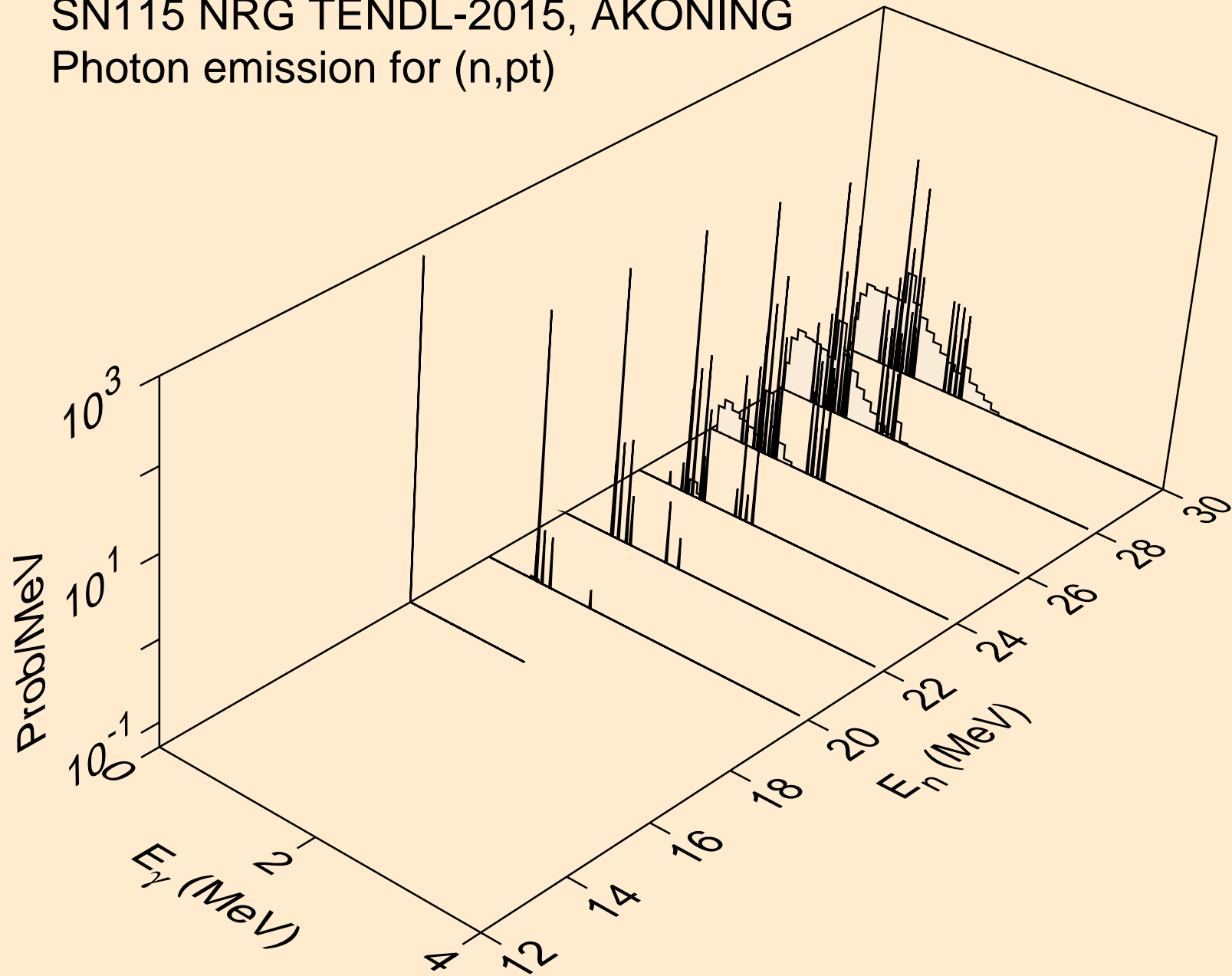
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



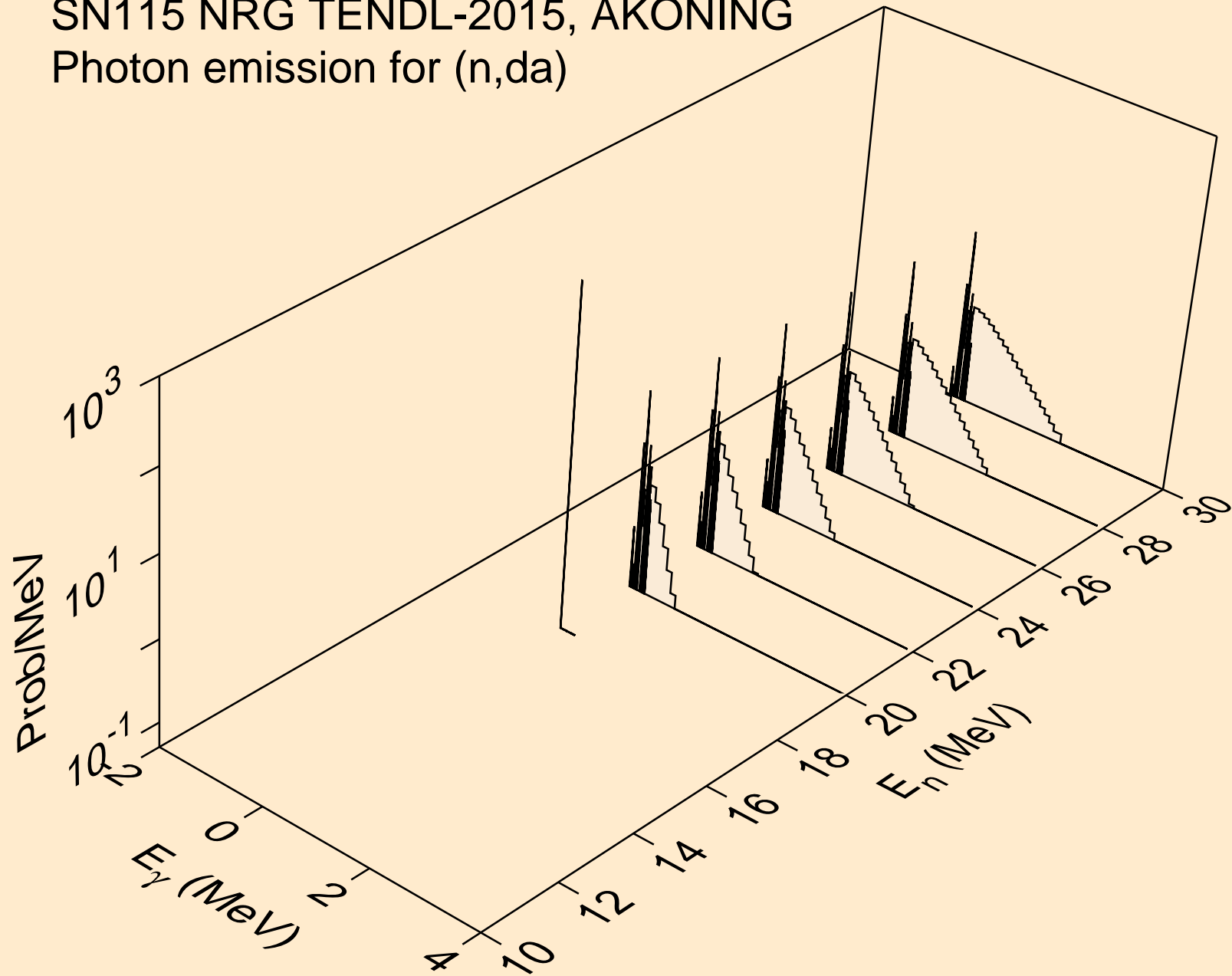
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



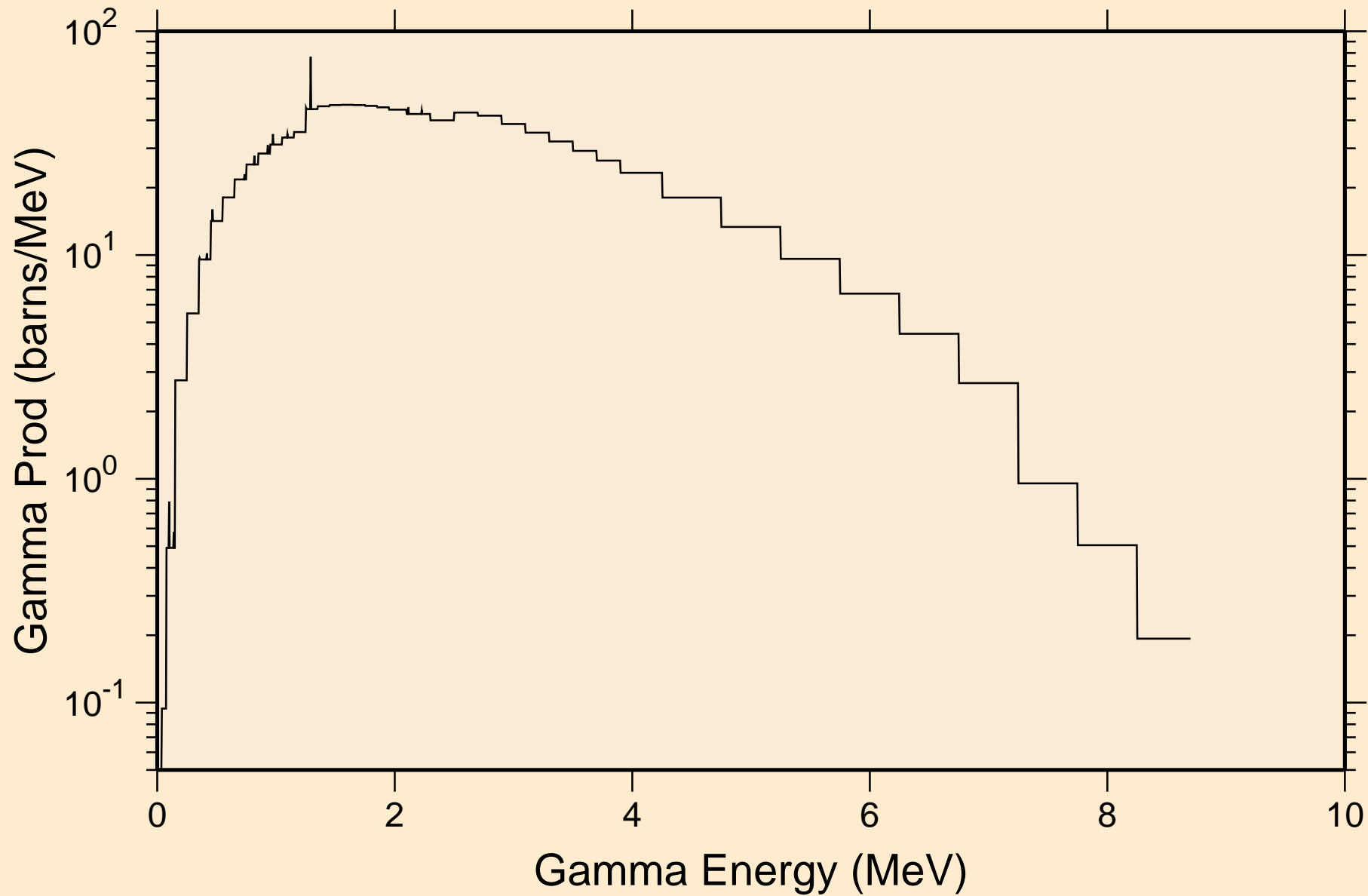
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



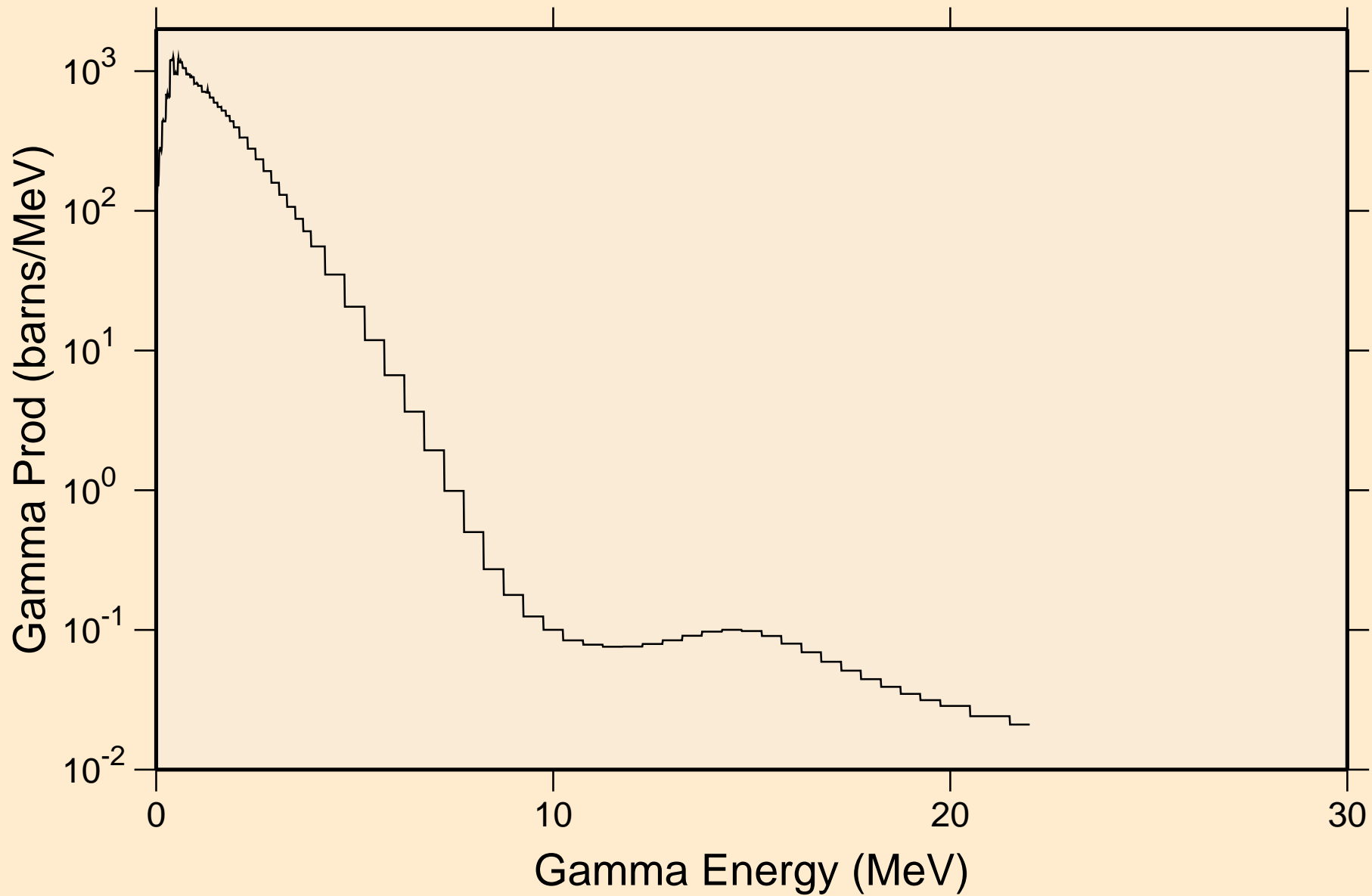
SN115 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



SN115 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



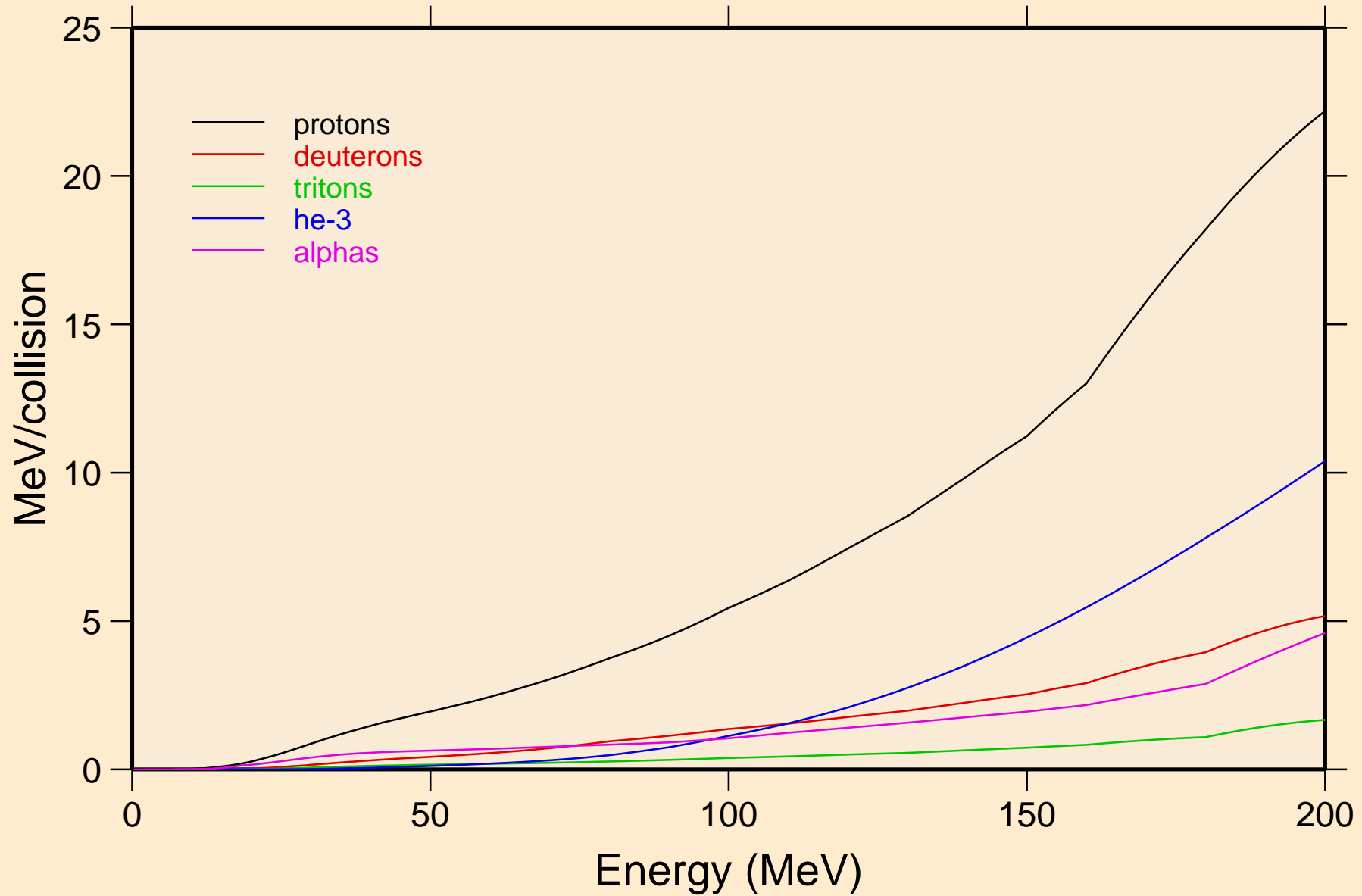
SN115 NRG TENDL-2015, AKONING  
14 MeV photon spectrum





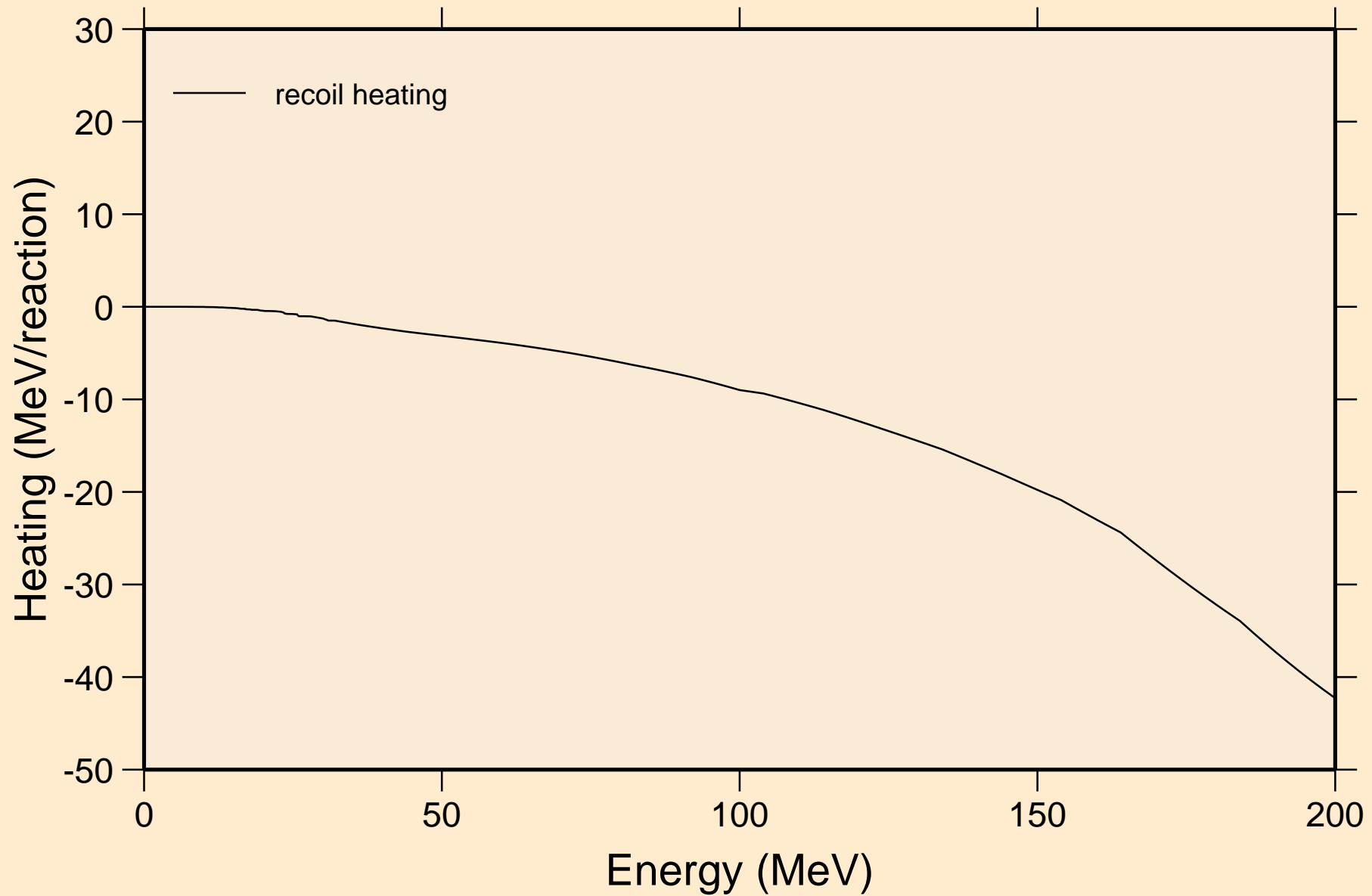
# SN115 NRG TENDL-2015, AKONING

## Particle heating contributions



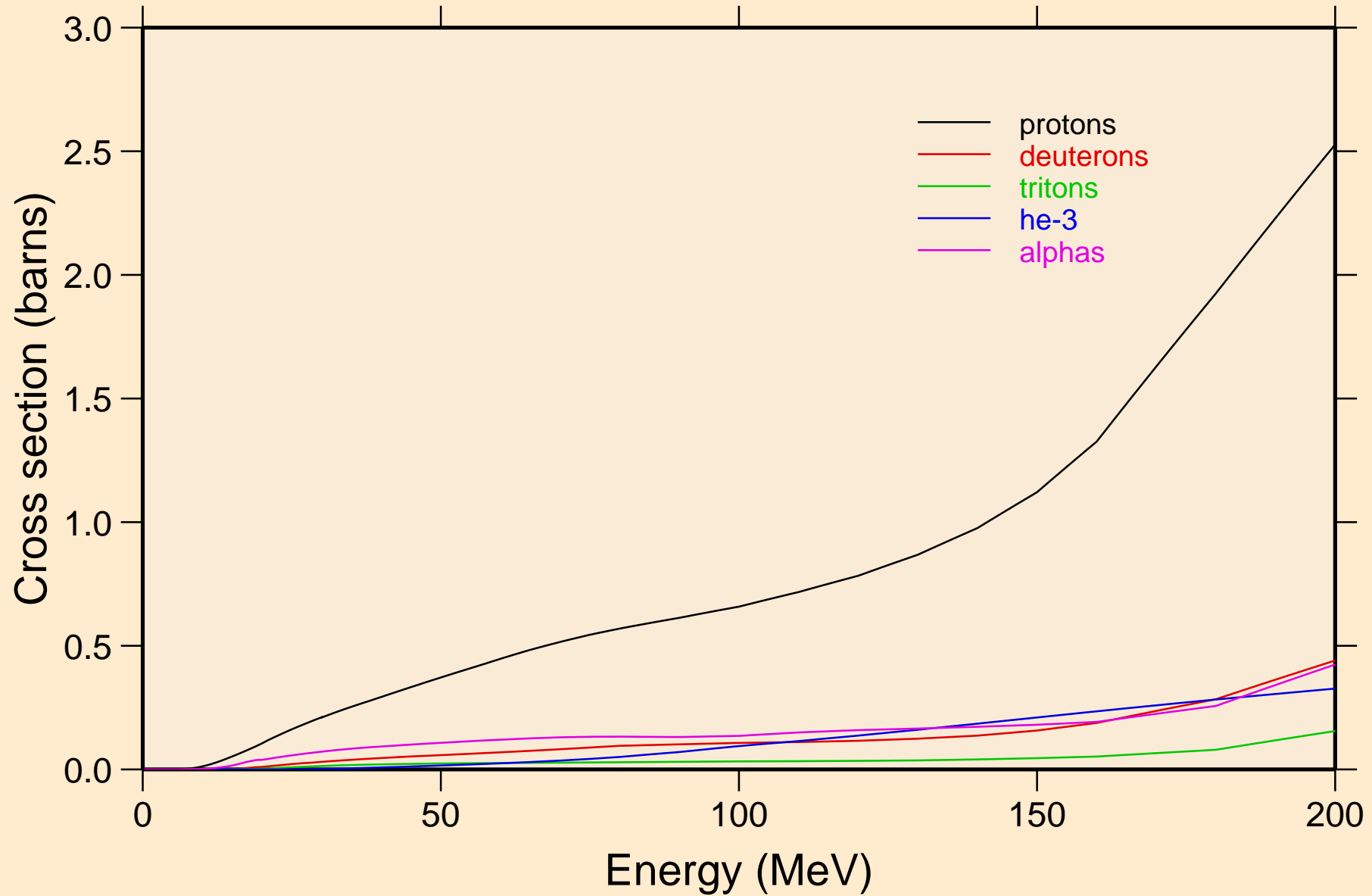
# SN115 NRG TENDL-2015, AKONING

## Recoil Heating

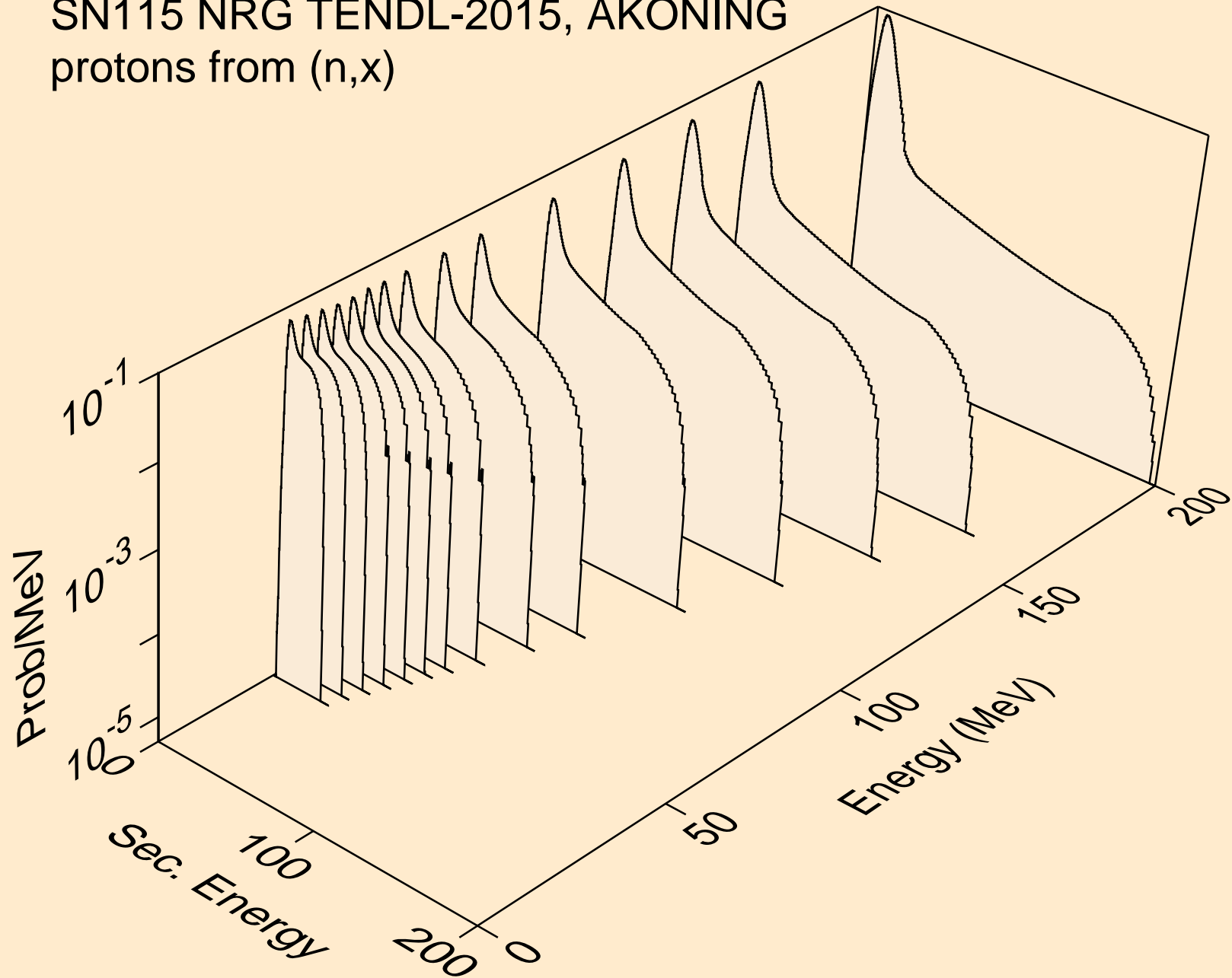


# SN115 NRG TENDL-2015, AKONING

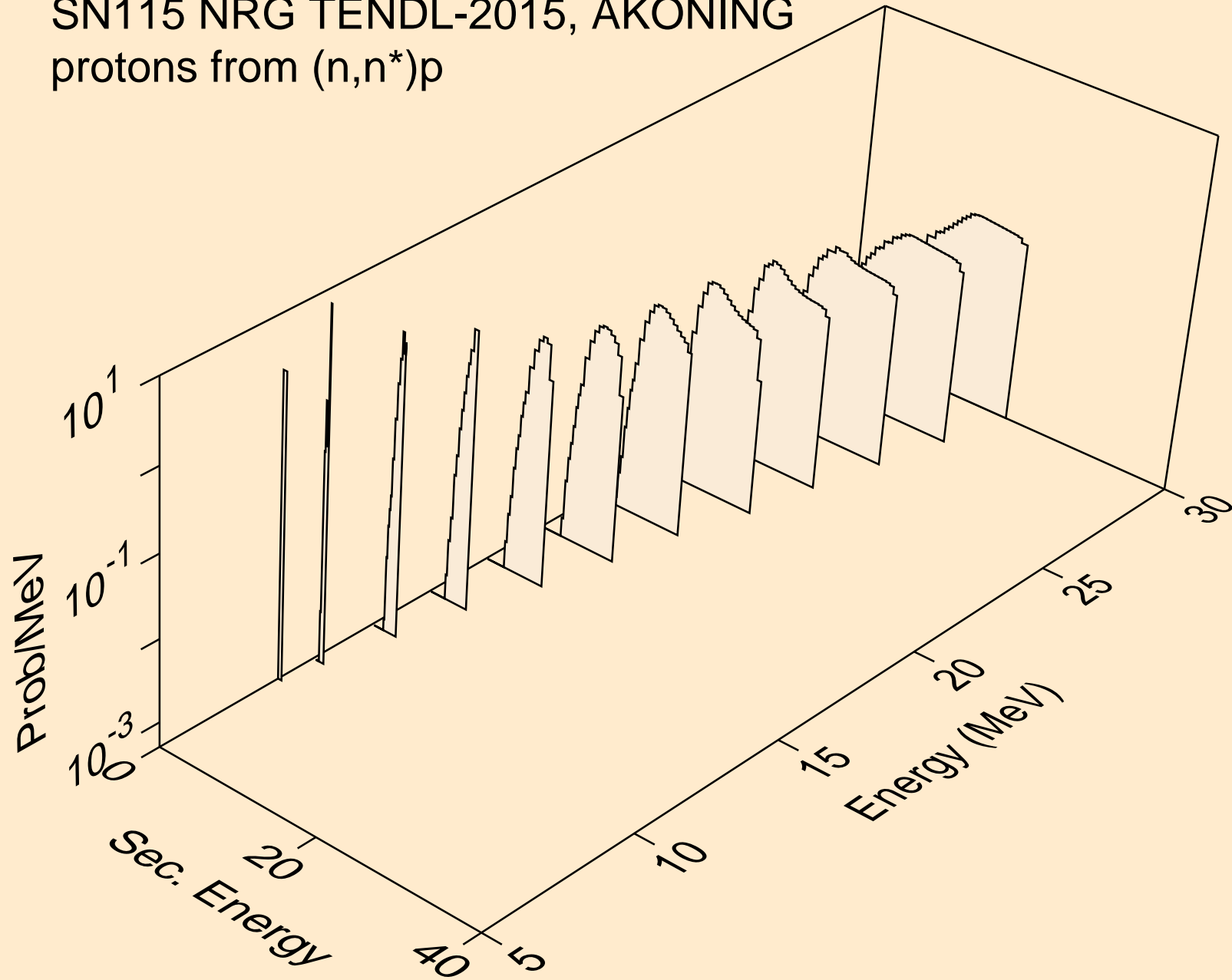
## Particle production cross sections



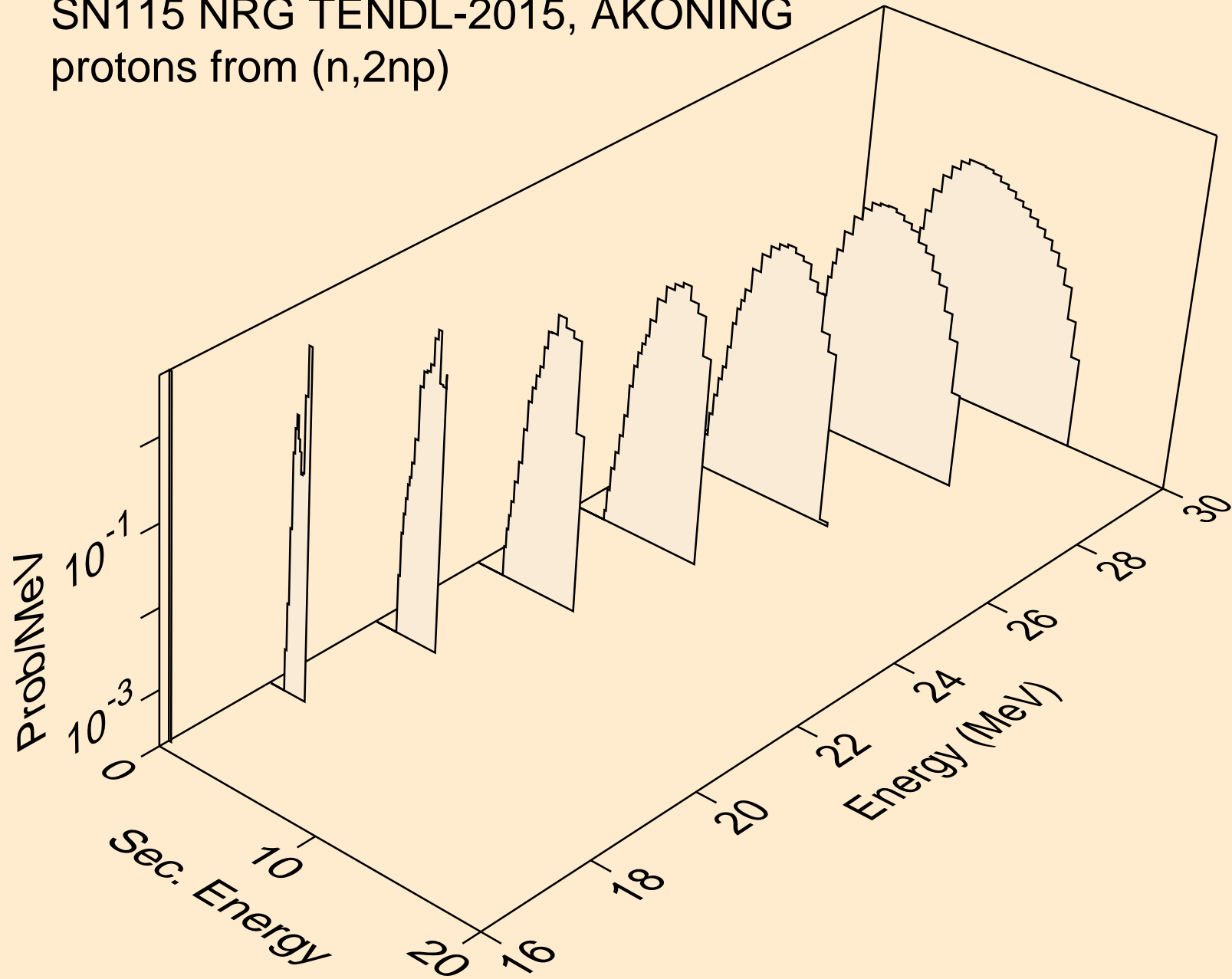
SN115 NRG TENDL-2015, AKONING  
protons from (n,x)



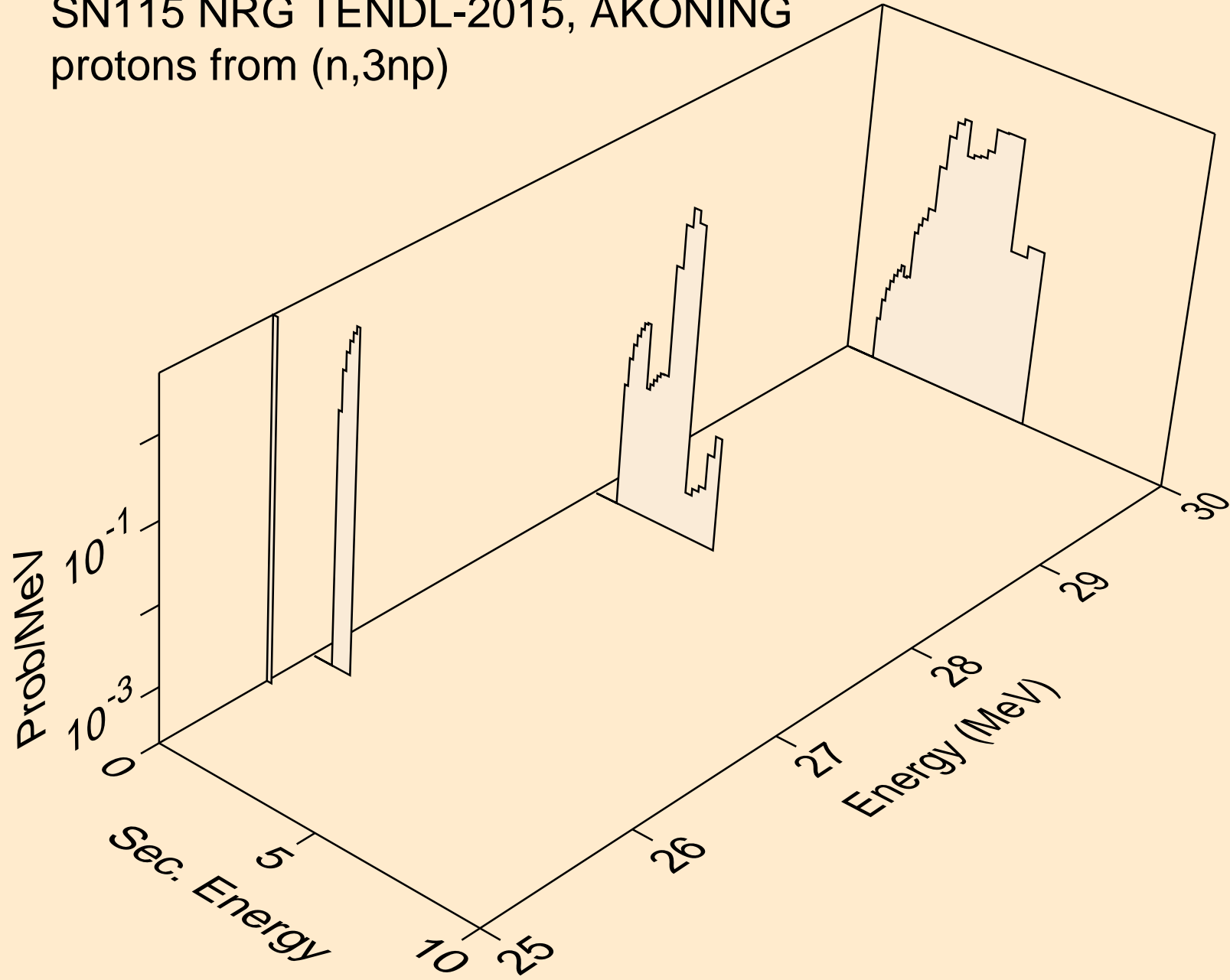
SN115 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



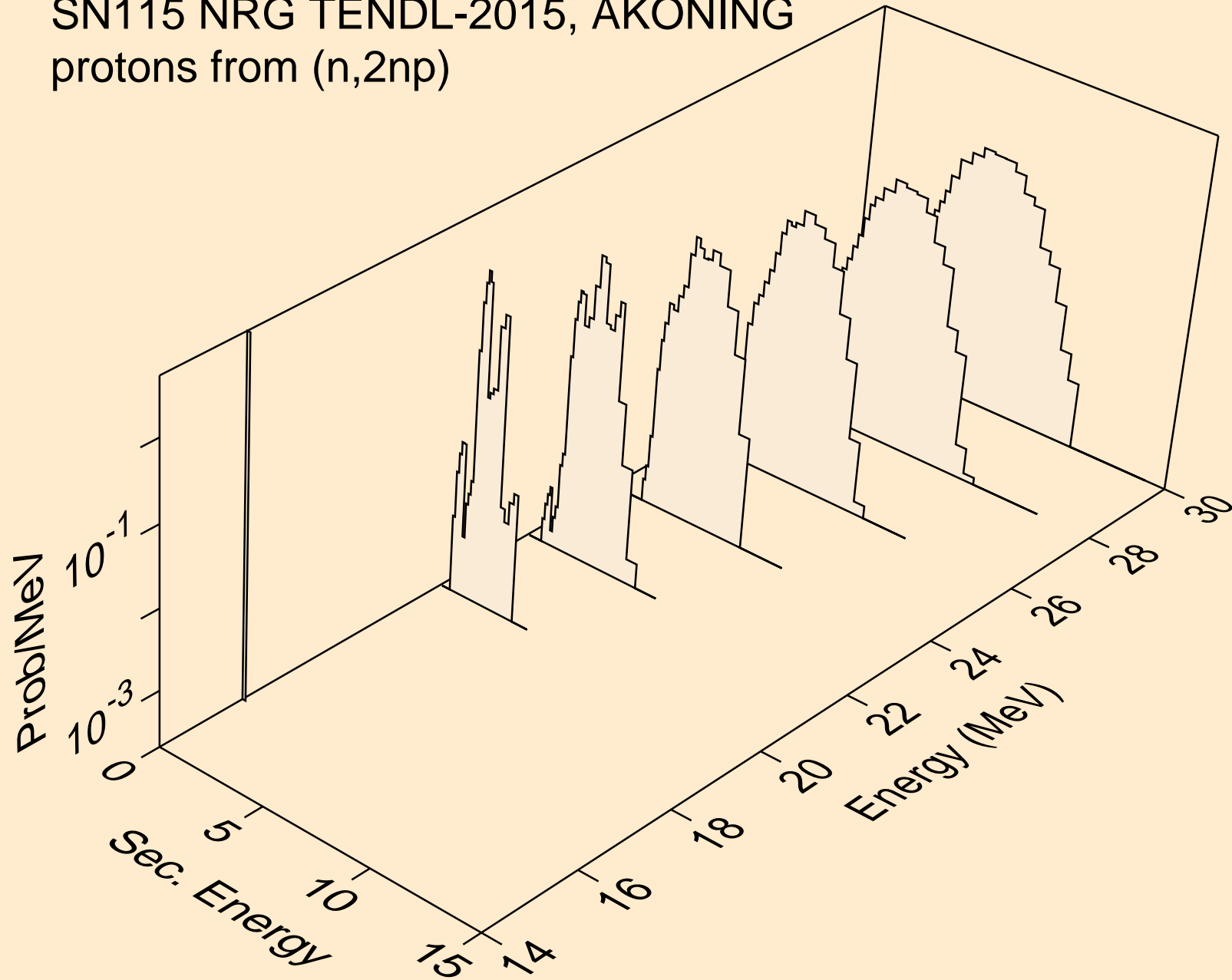
SN115 NRG TENDL-2015, AKONING  
protons from (n,2np)



SN115 NRG TENDL-2015, AKONING  
protons from (n,3np)

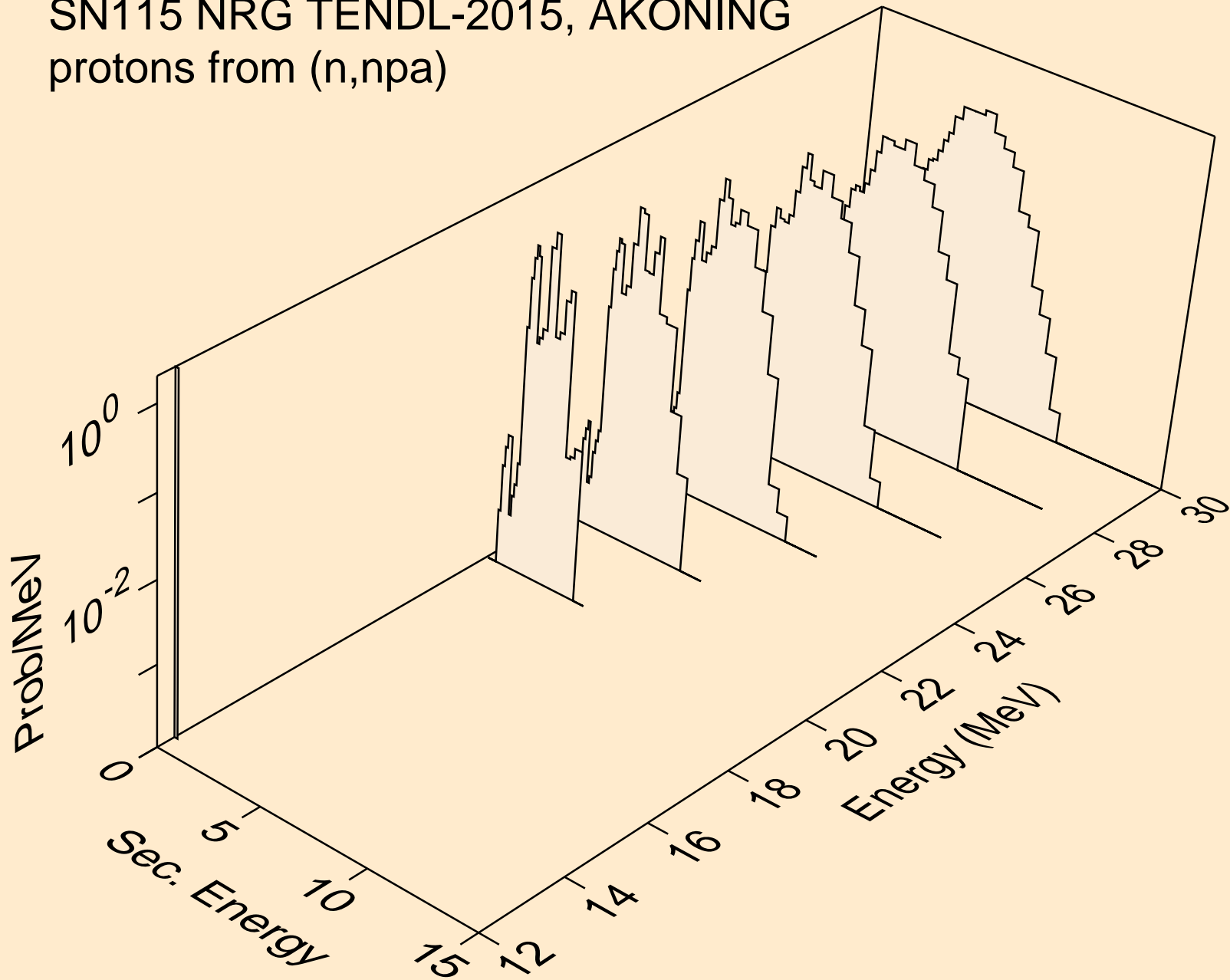


SN115 NRG TENDL-2015, AKONING  
protons from (n,2np)

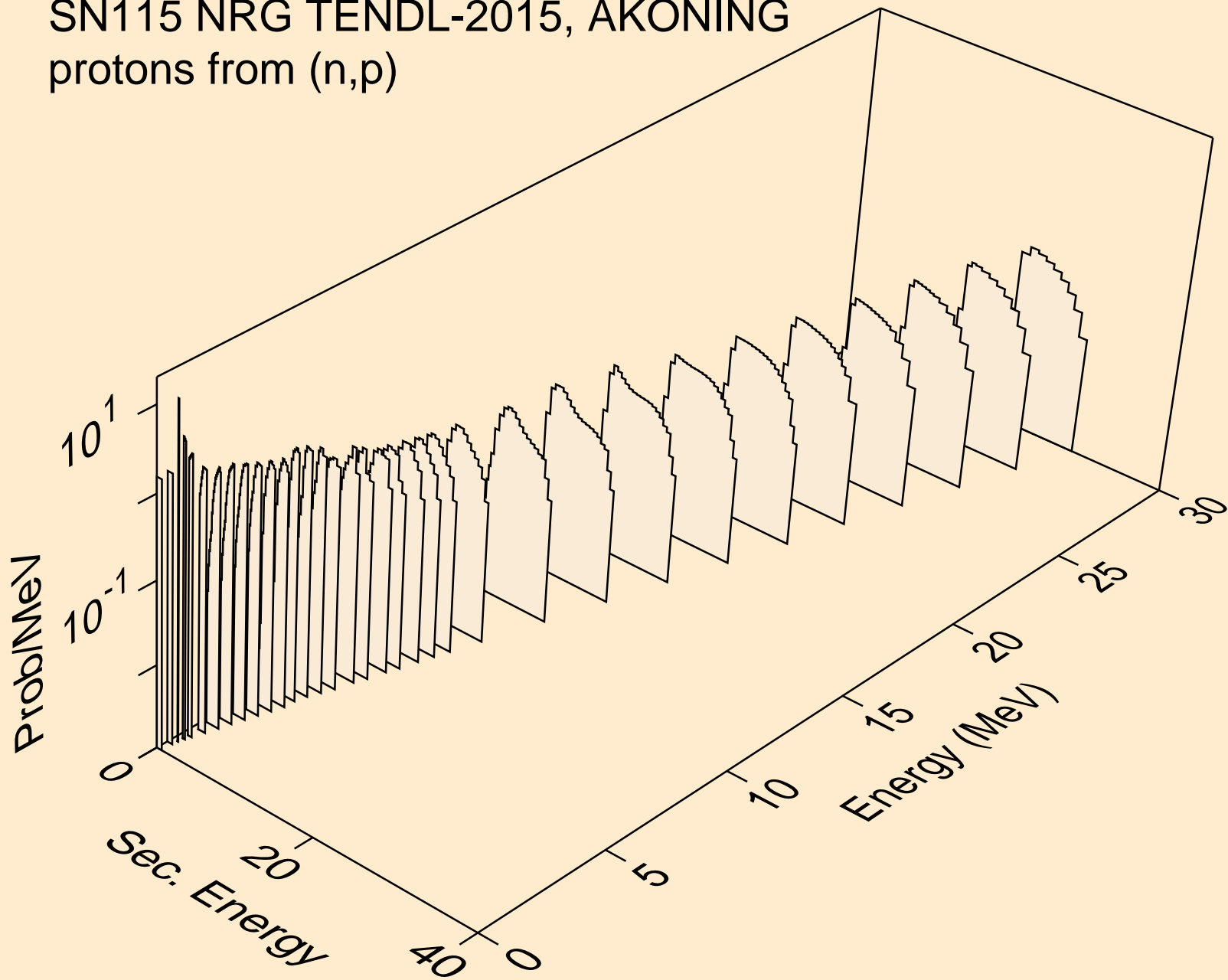




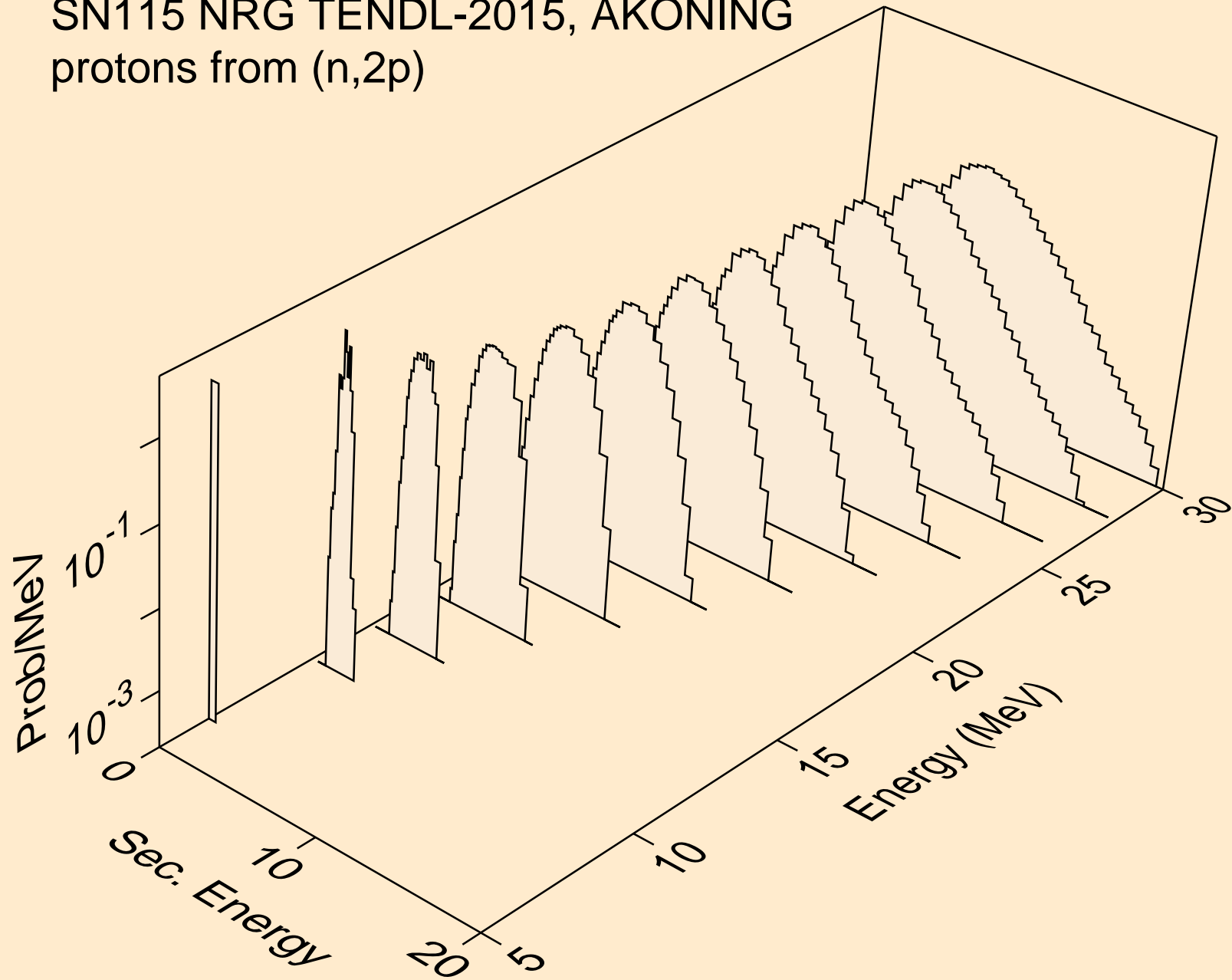
SN115 NRG TENDL-2015, AKONING  
protons from (n,npa)



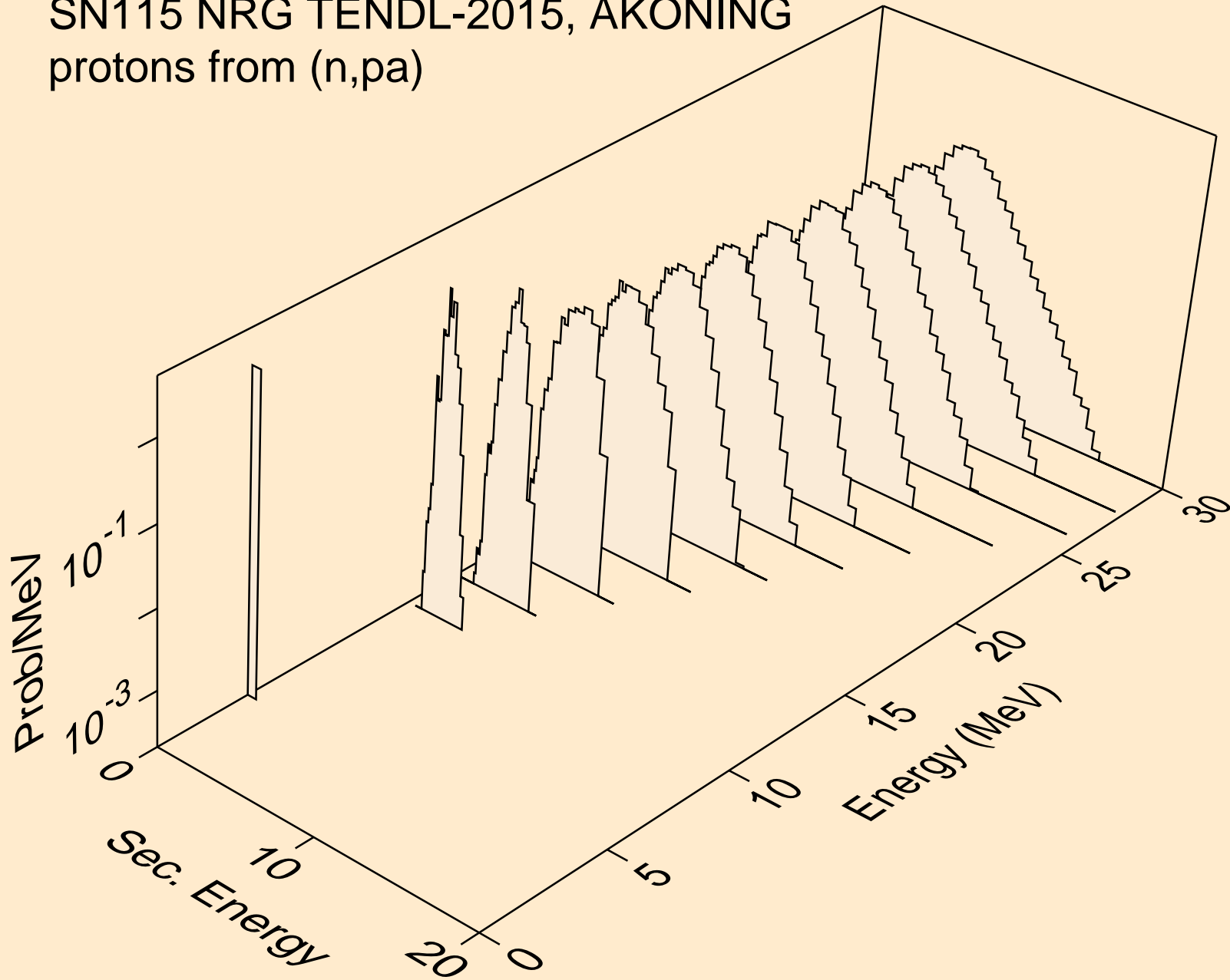
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protons from (n,p)



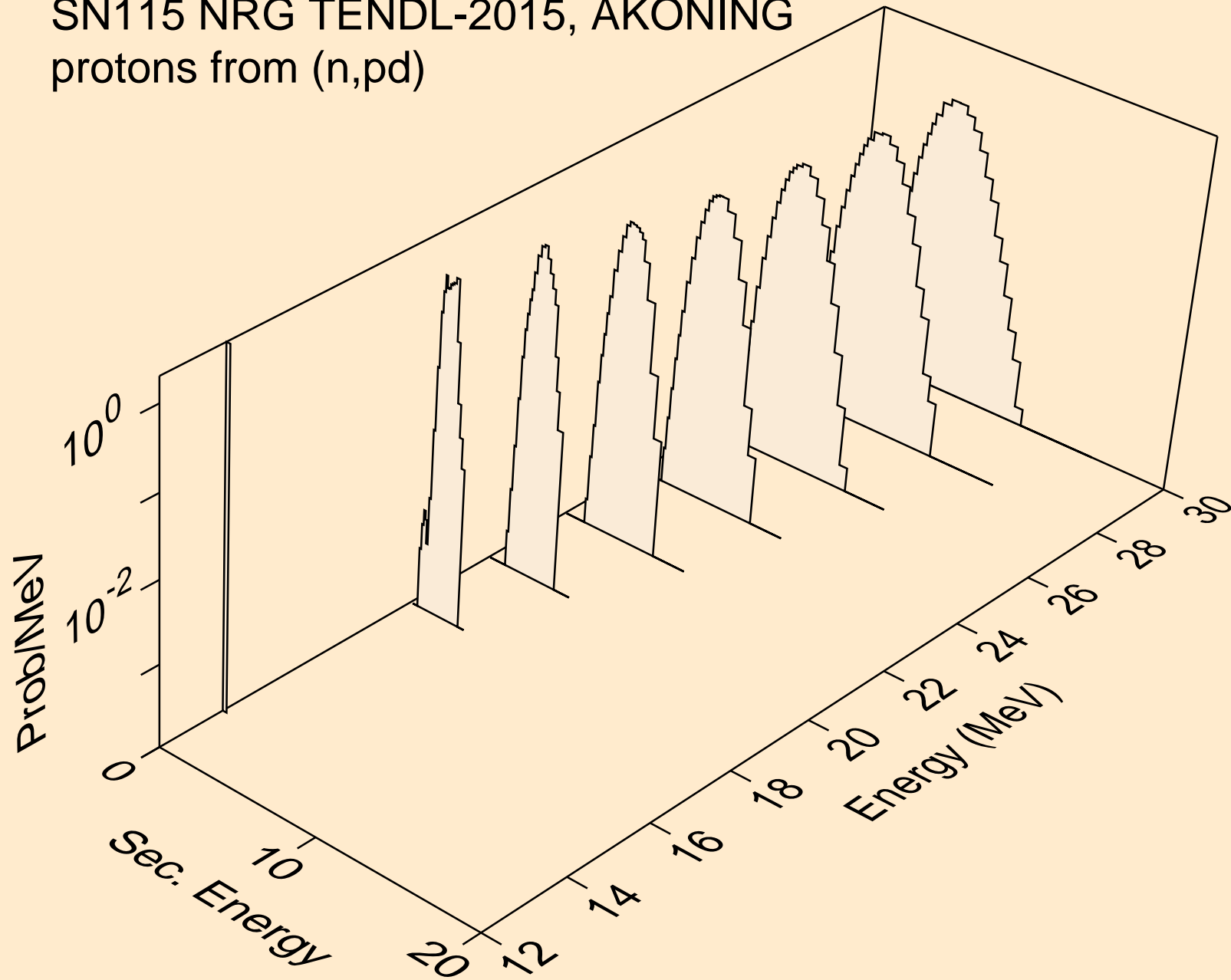
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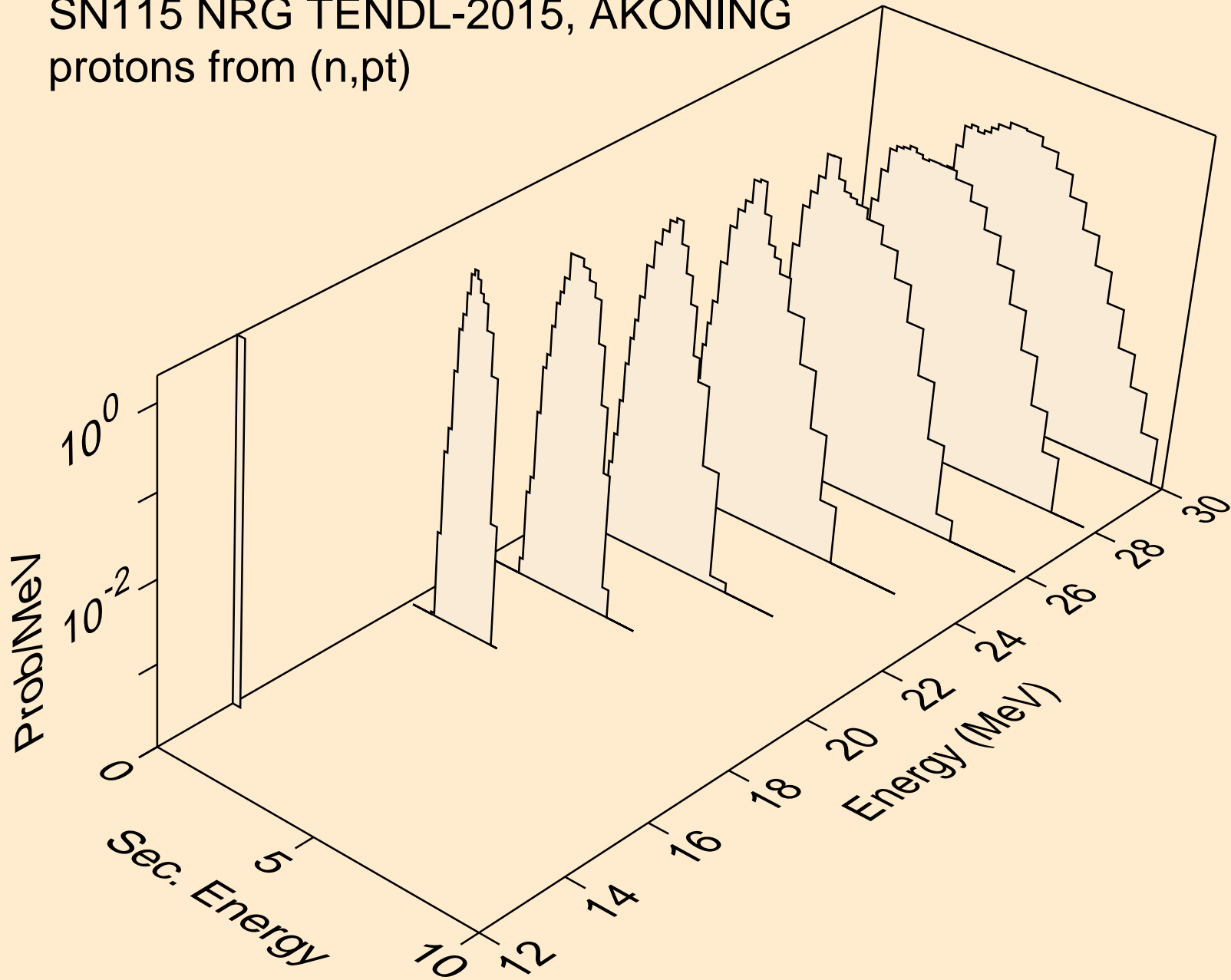
SN115 NRG TENDL-2015, AKONING  
protons from (n,pa)



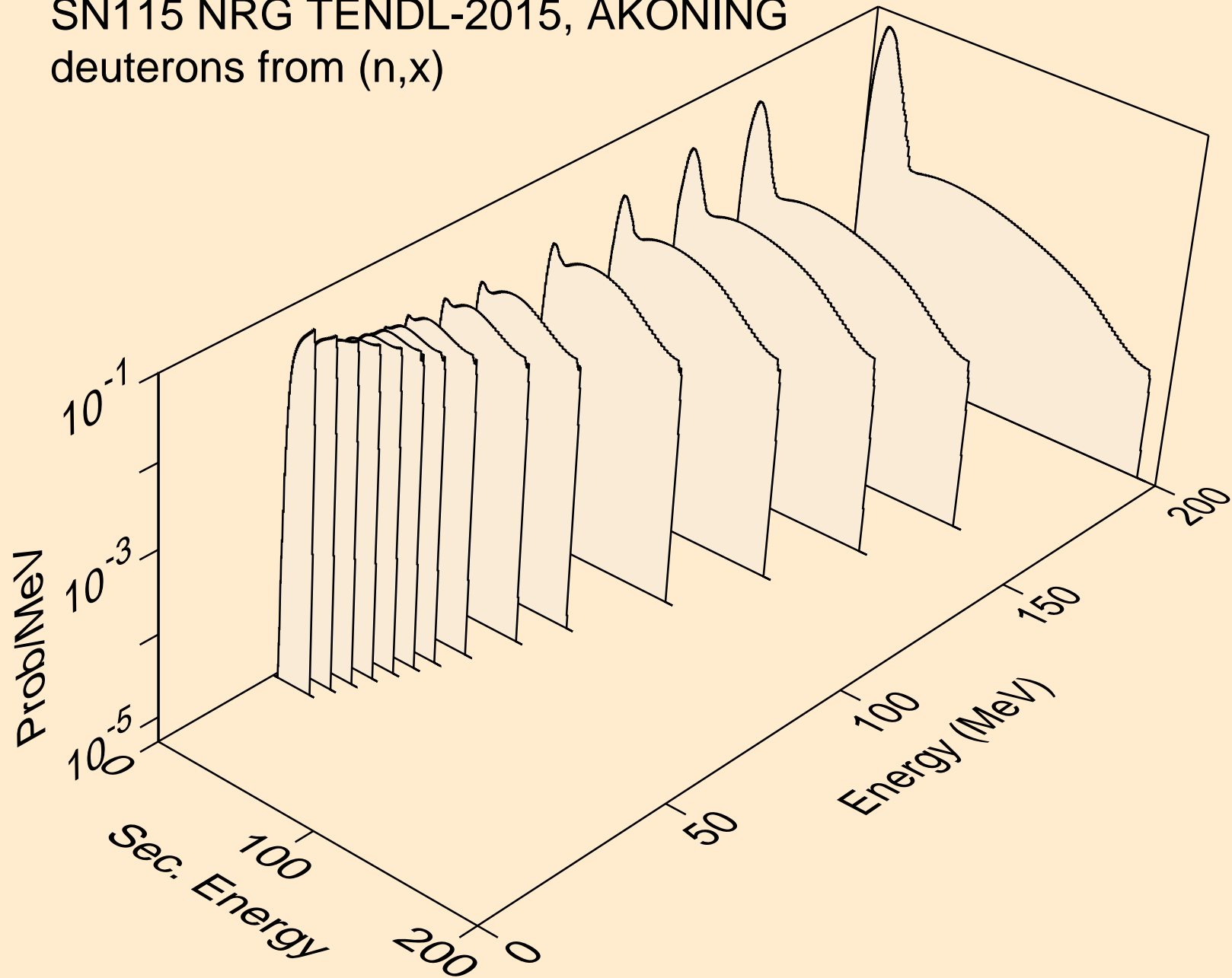
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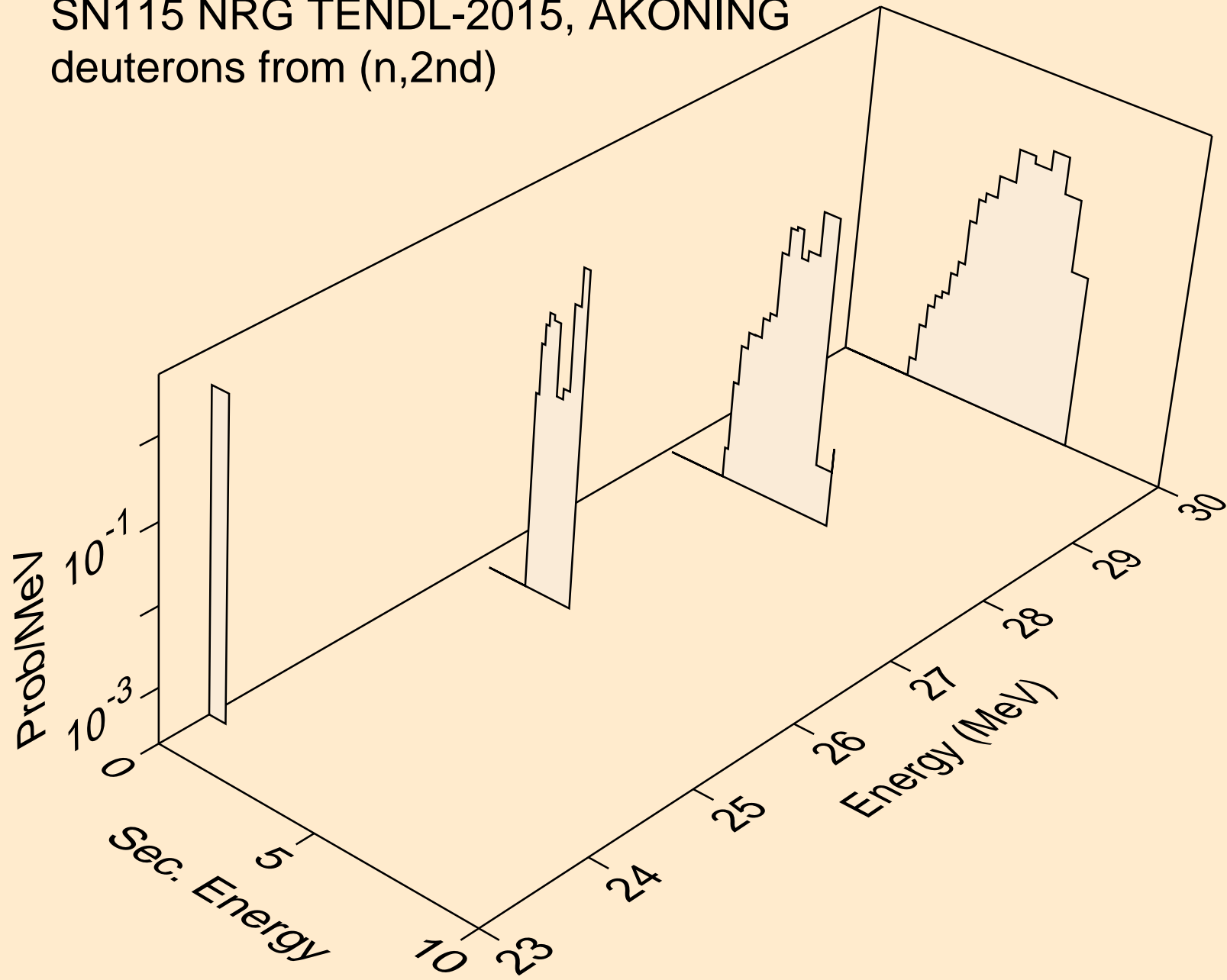
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protons from (n,pt)



SN115 NRG TENDL-2015, AKONING  
deuterons from (n,x)

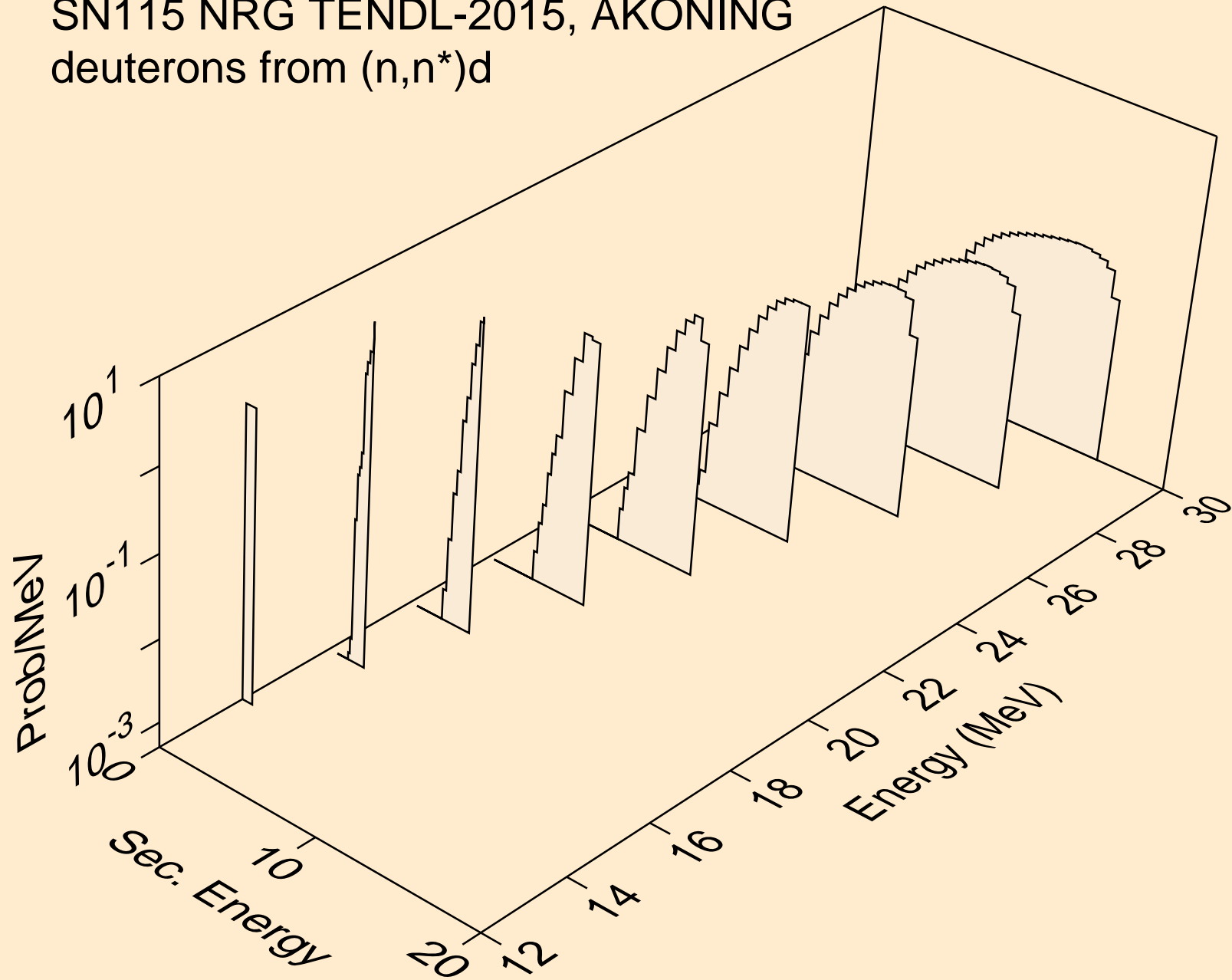


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deuterons from (n,2nd)

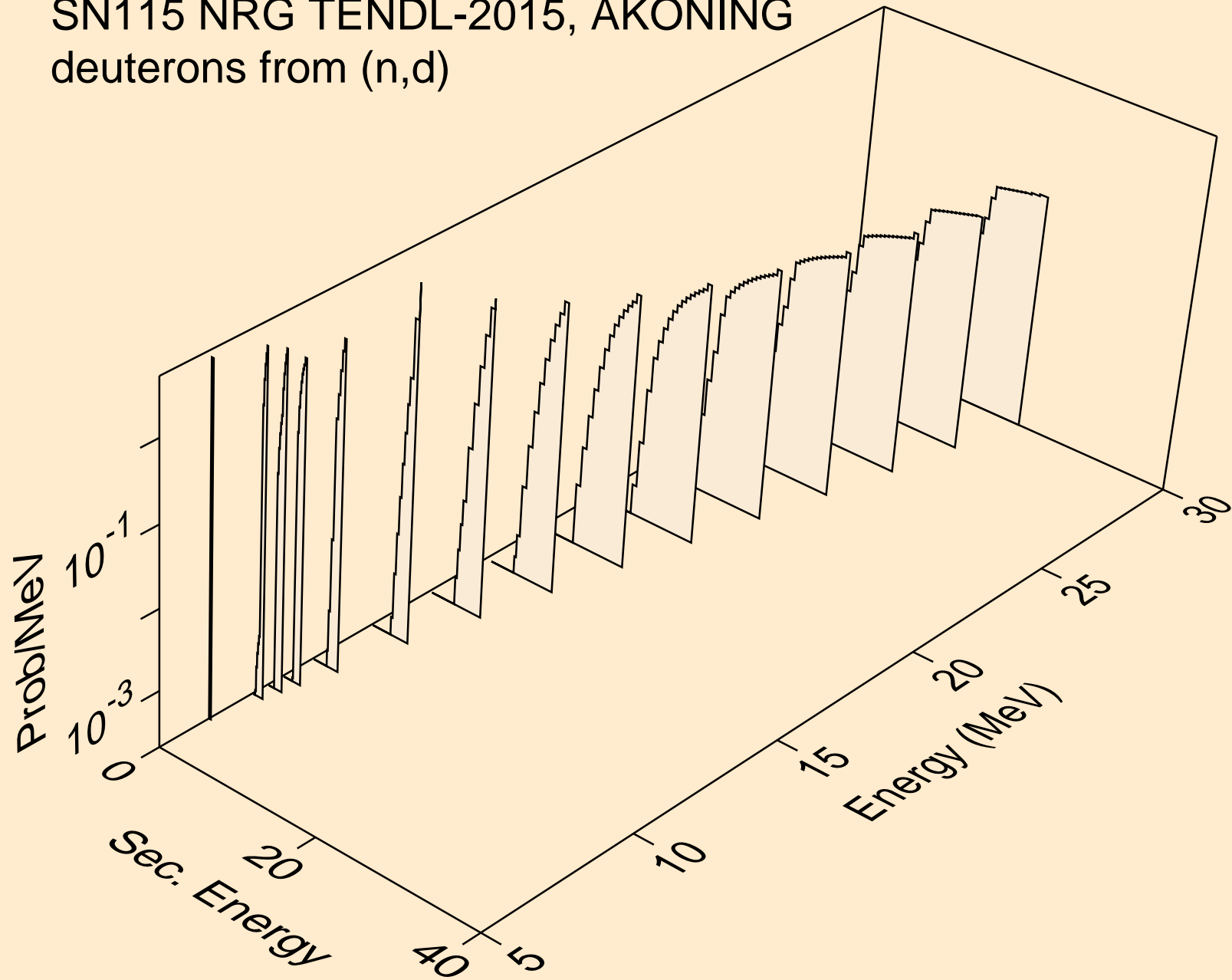




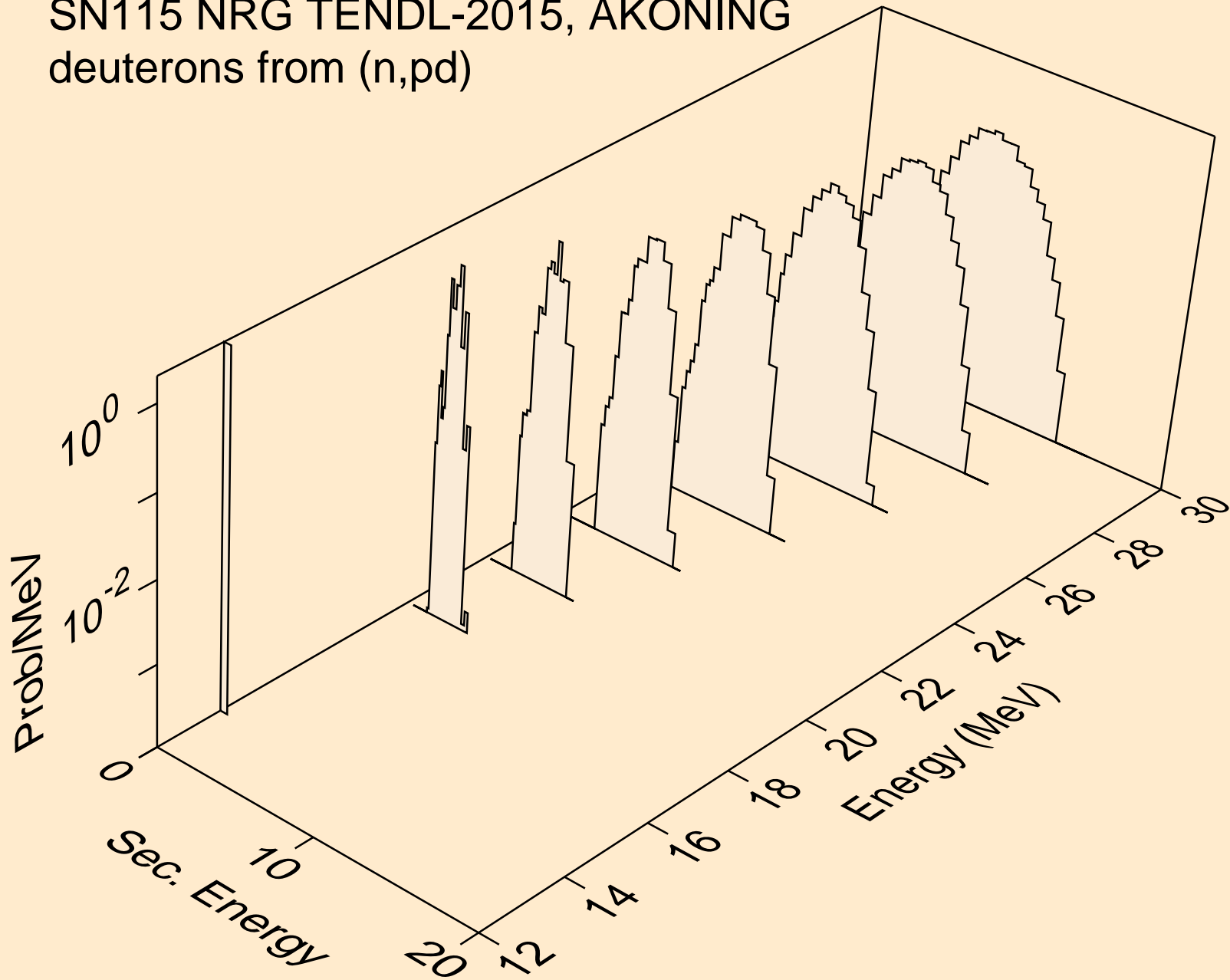
SN115 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



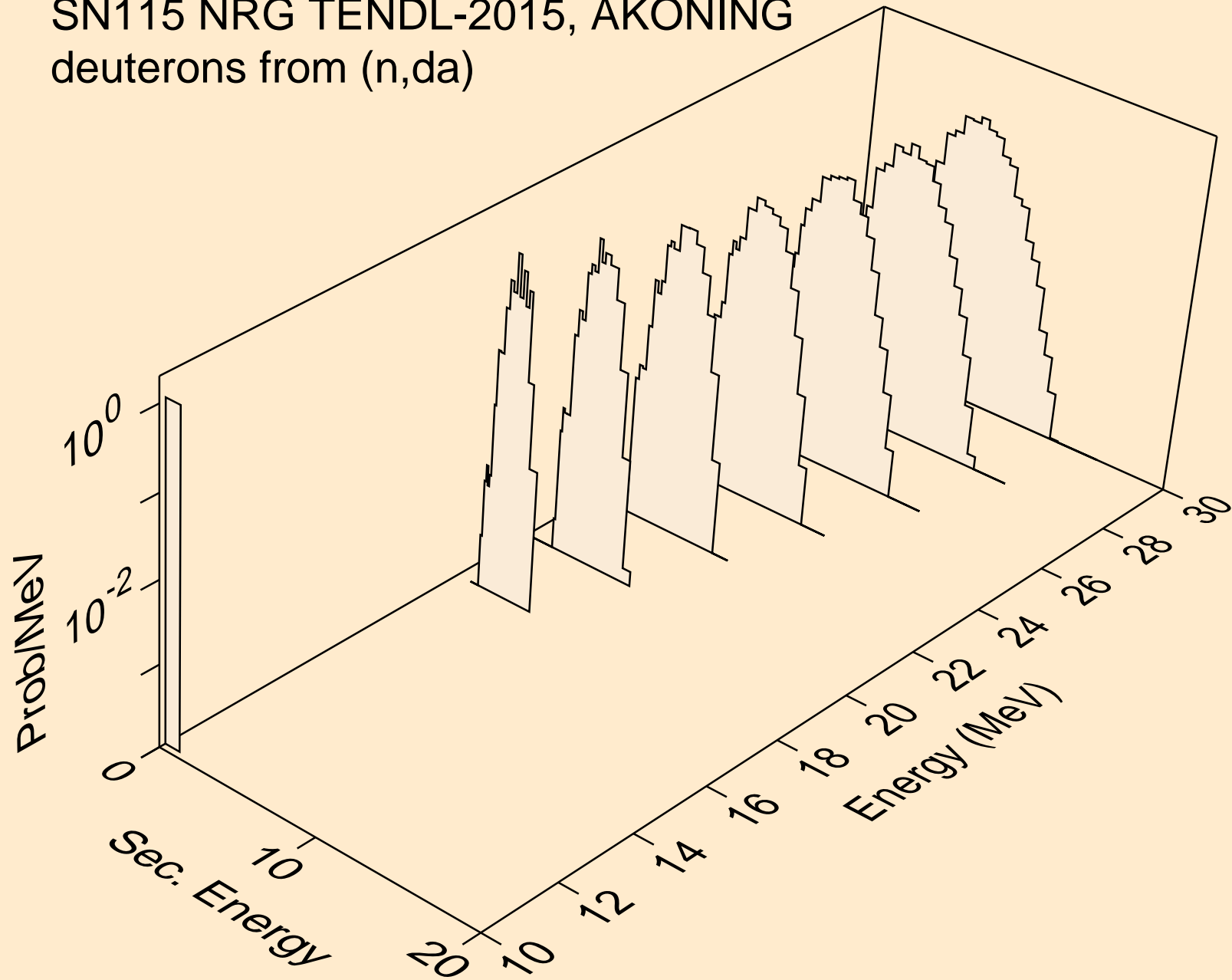
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deuterons from (n,d)



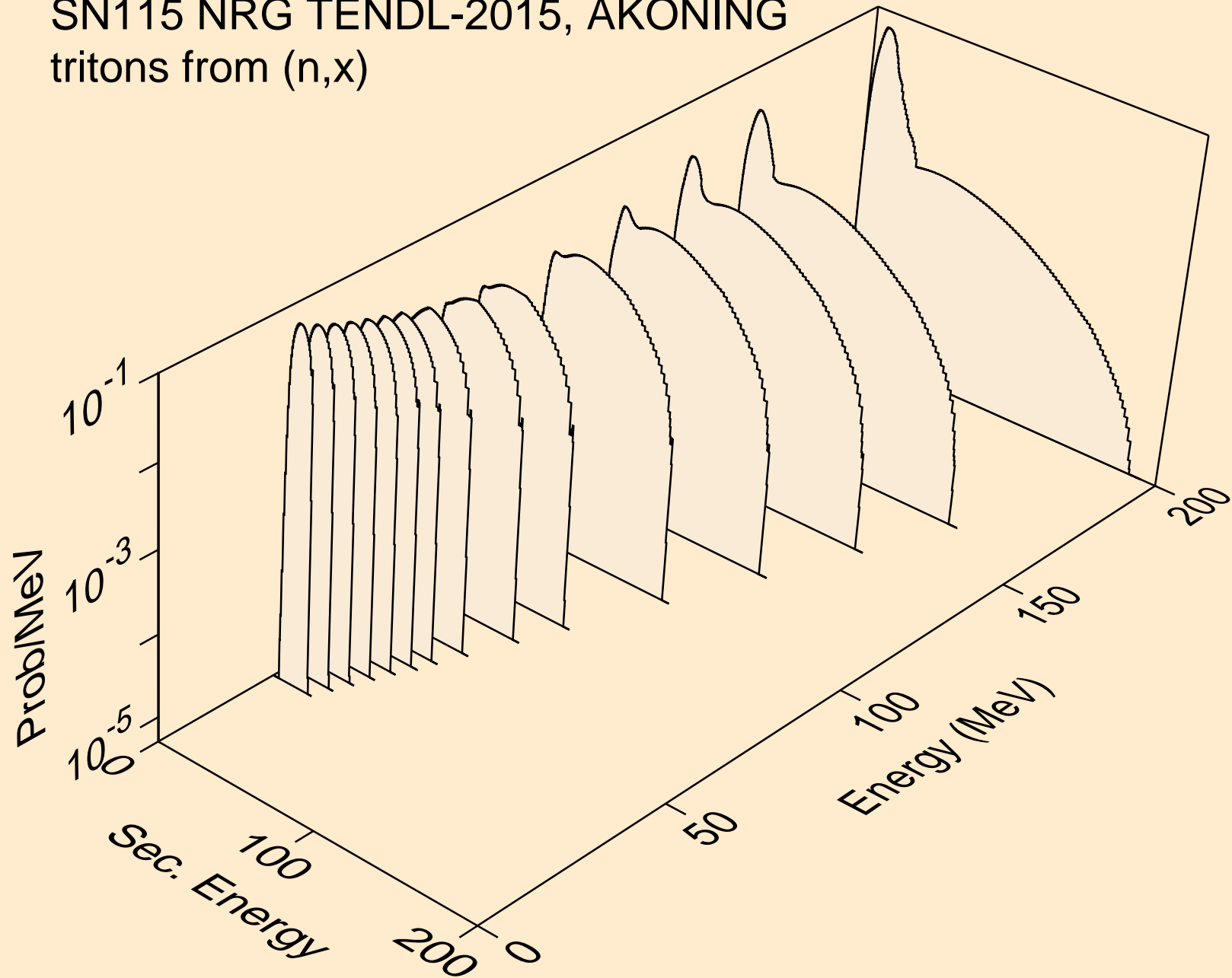
SN115 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



SN115 NRG TENDL-2015, AKONING  
deuterons from (n,da)

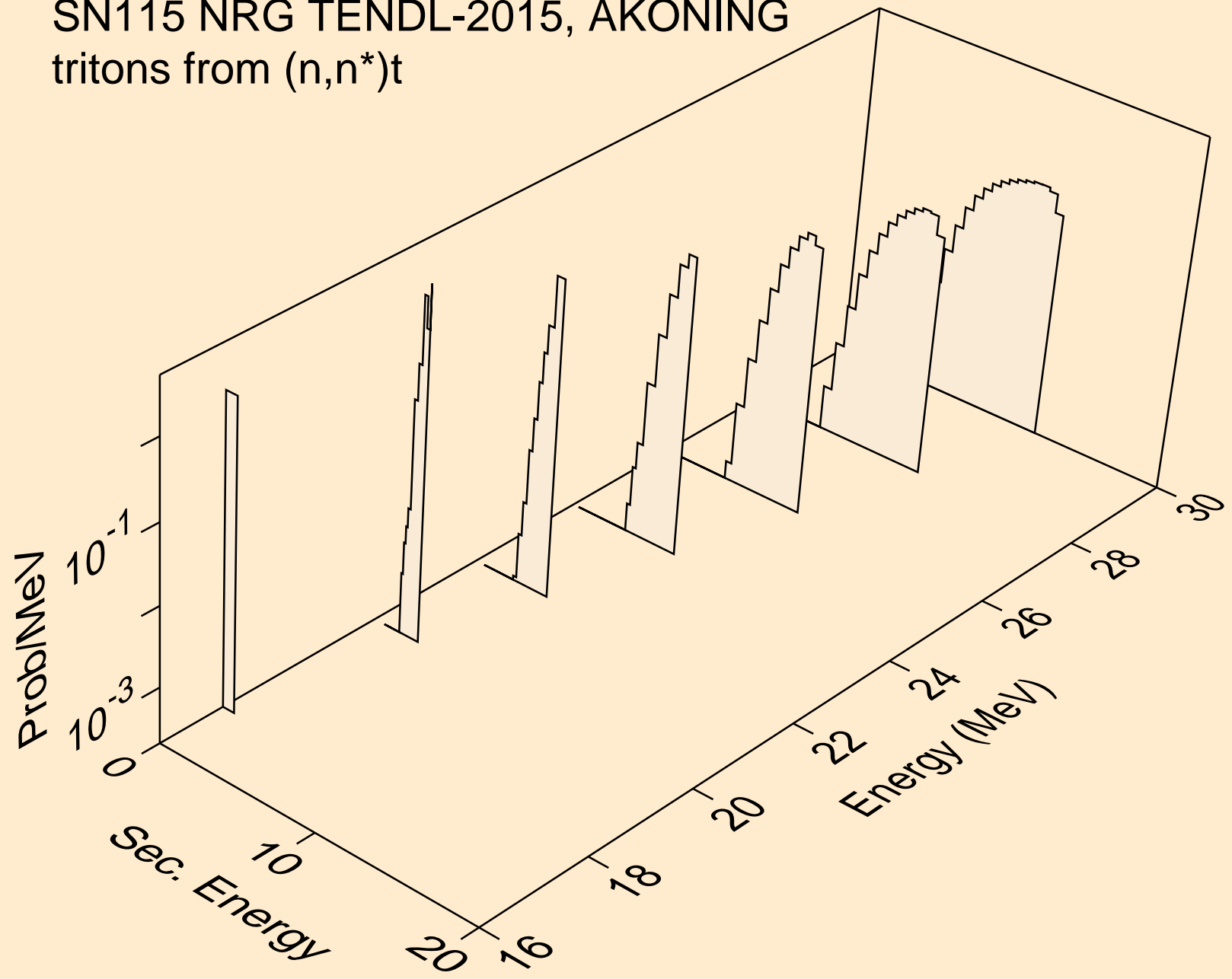


SN115 NRG TENDL-2015, AKONING  
tritons from (n,x)

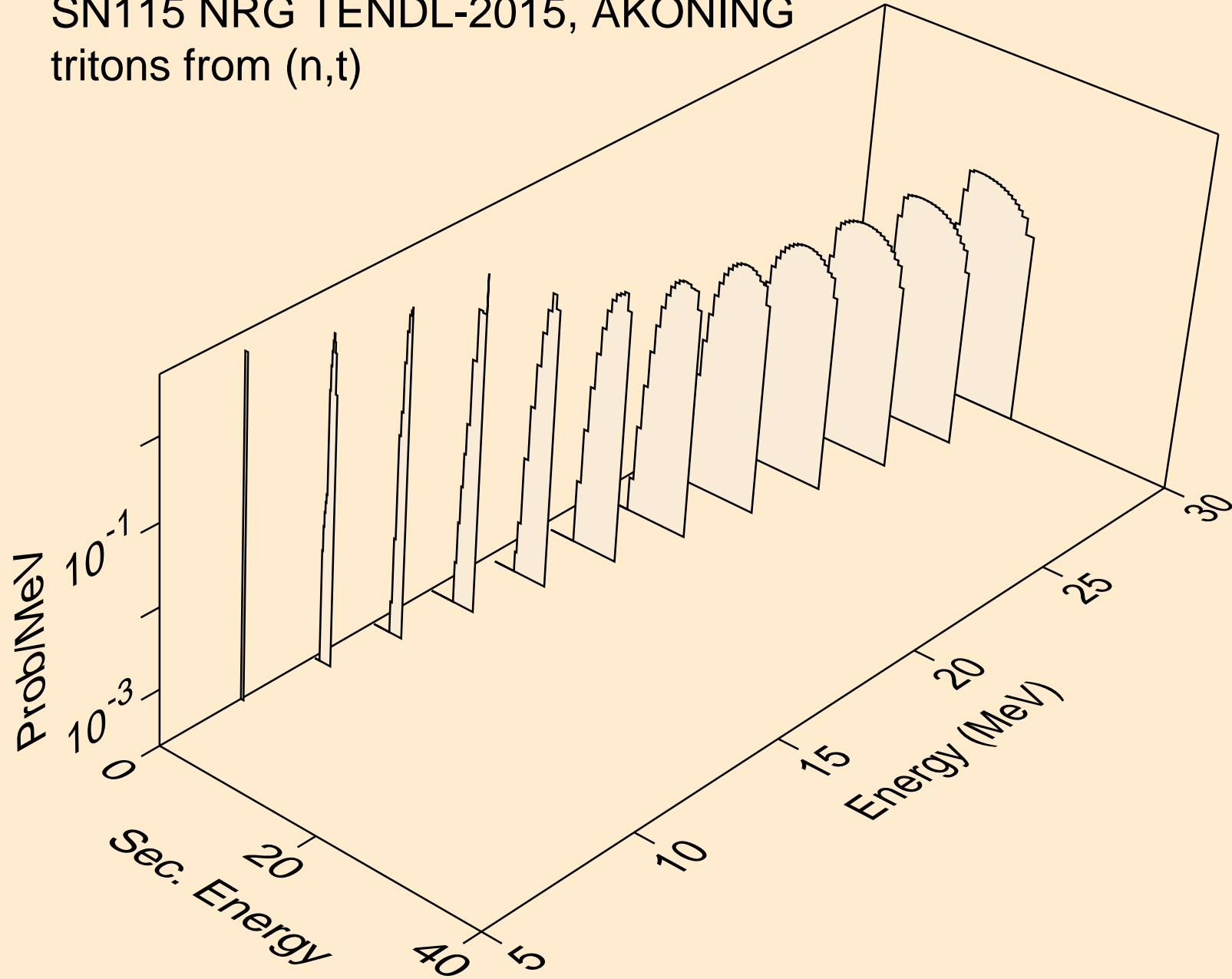


# SN115 NRG TENDL-2015, AKONING

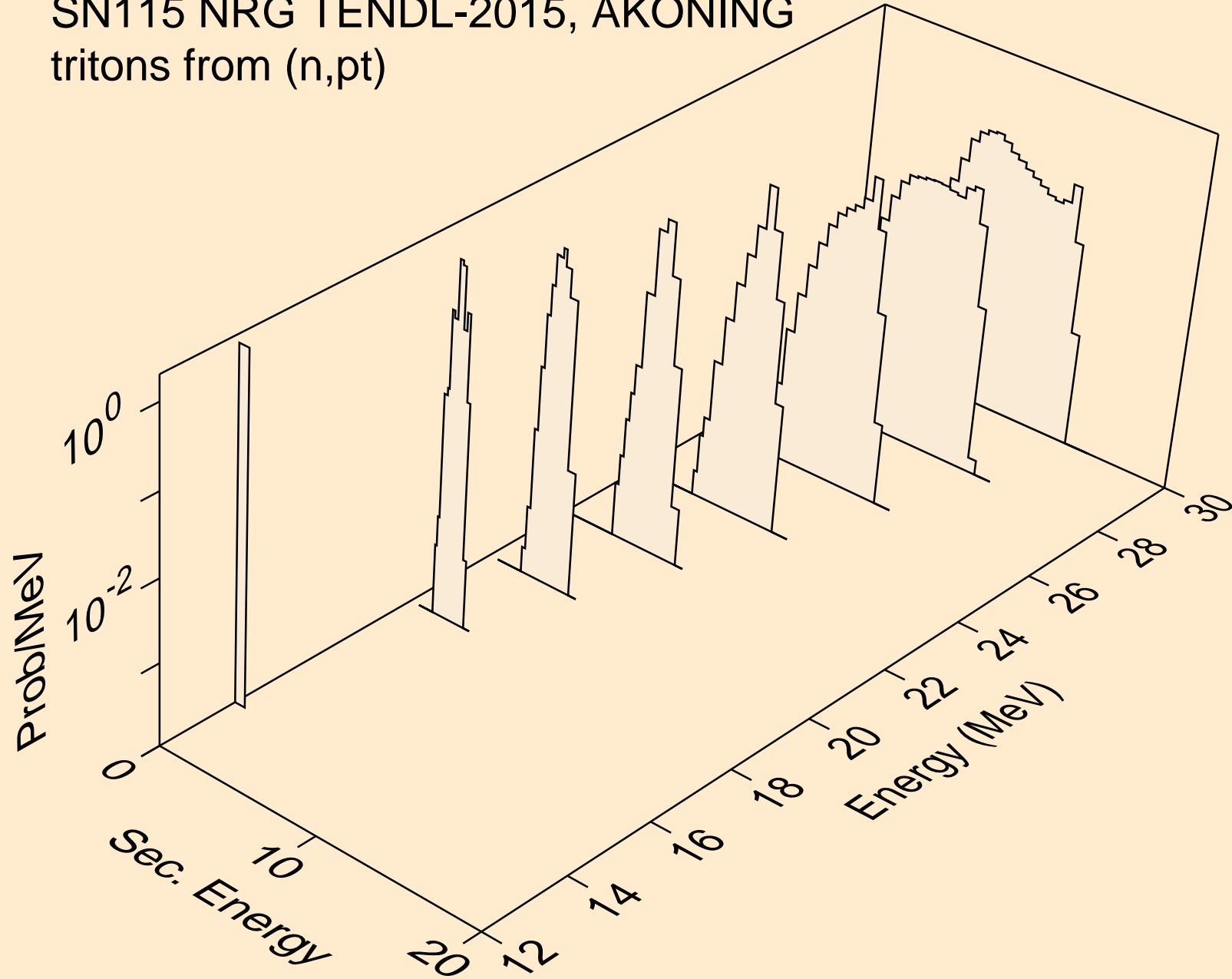
tritons from (n,n\*)t



SN115 NRG TENDL-2015, AKONING  
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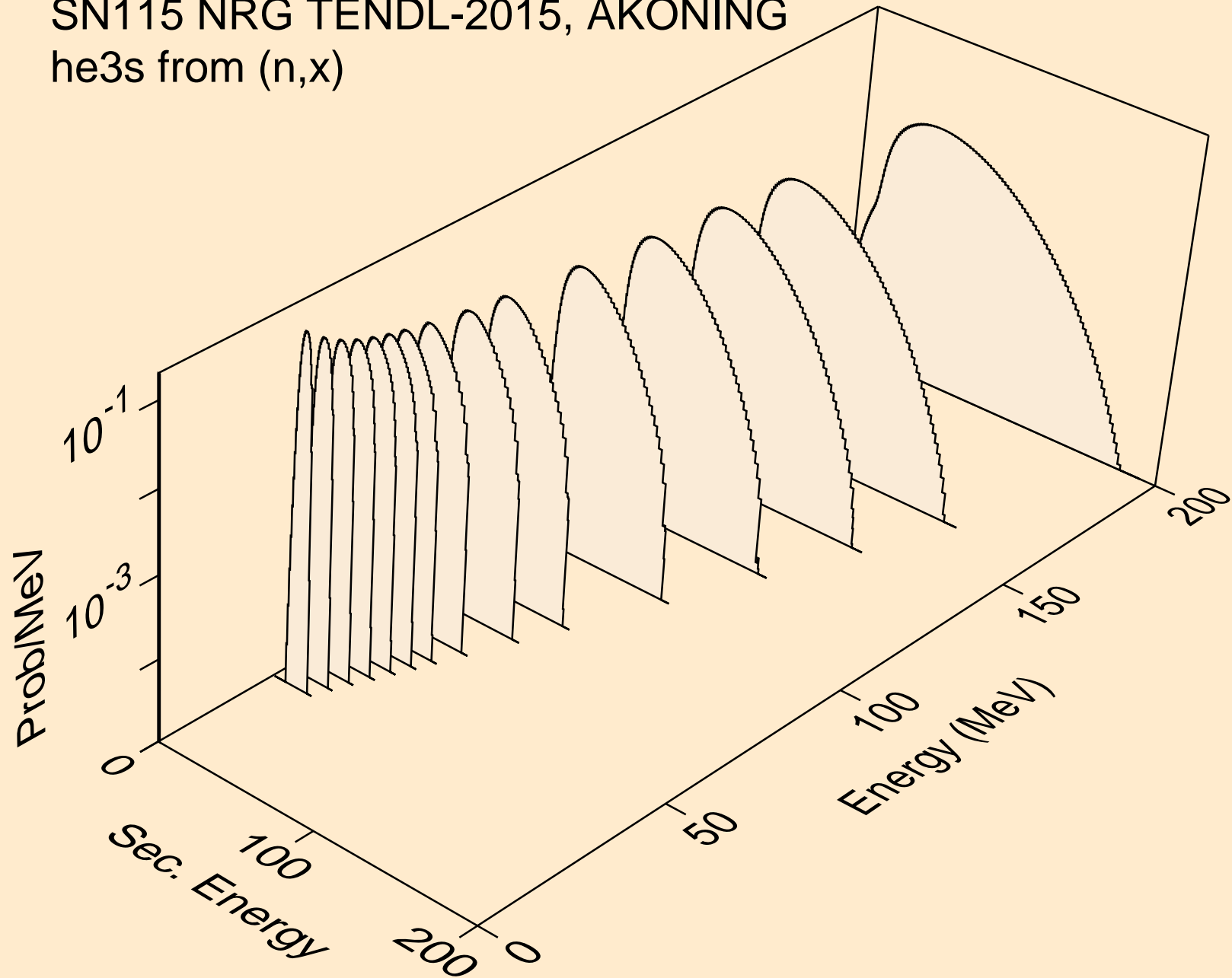


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tritons from (n,pt)

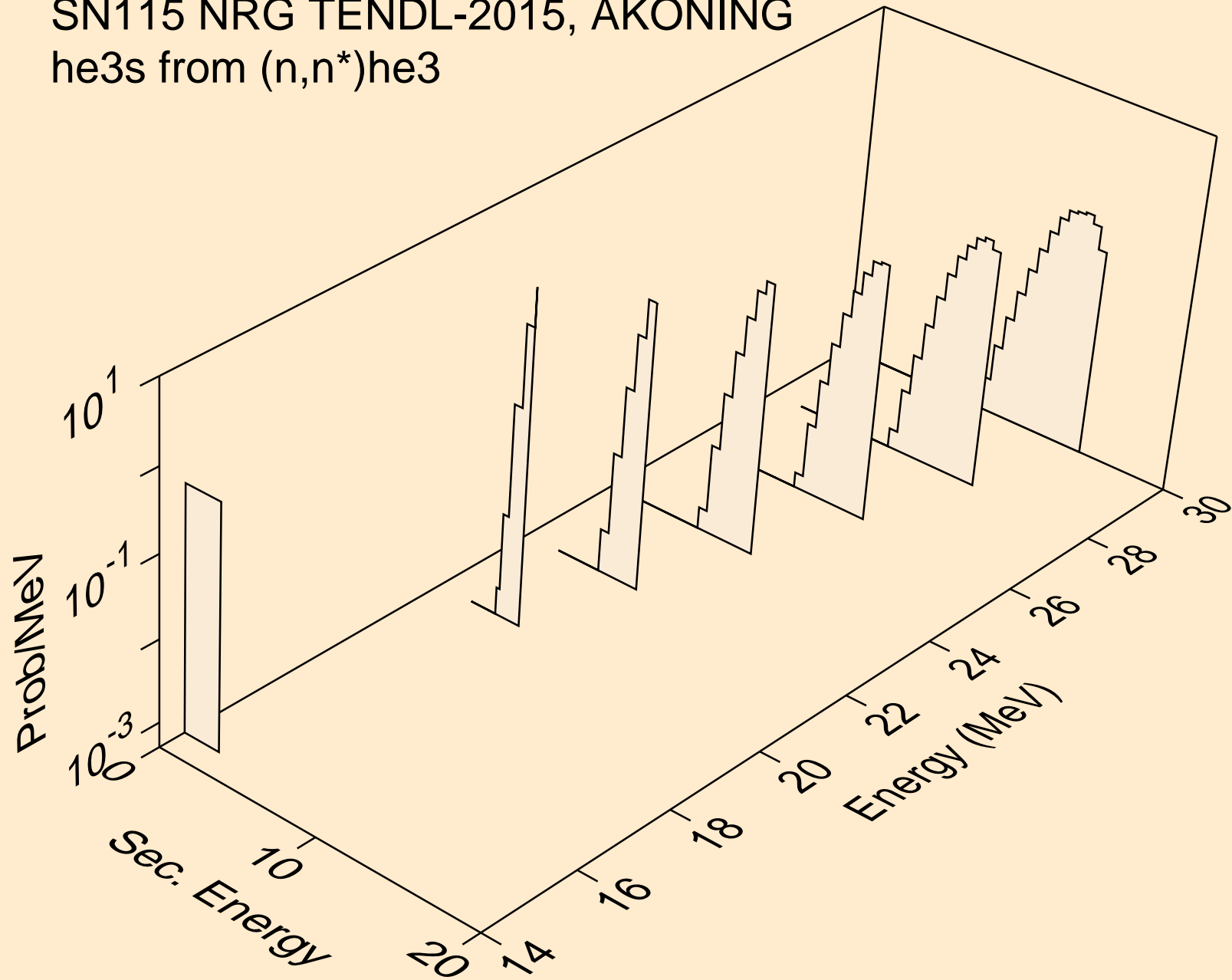




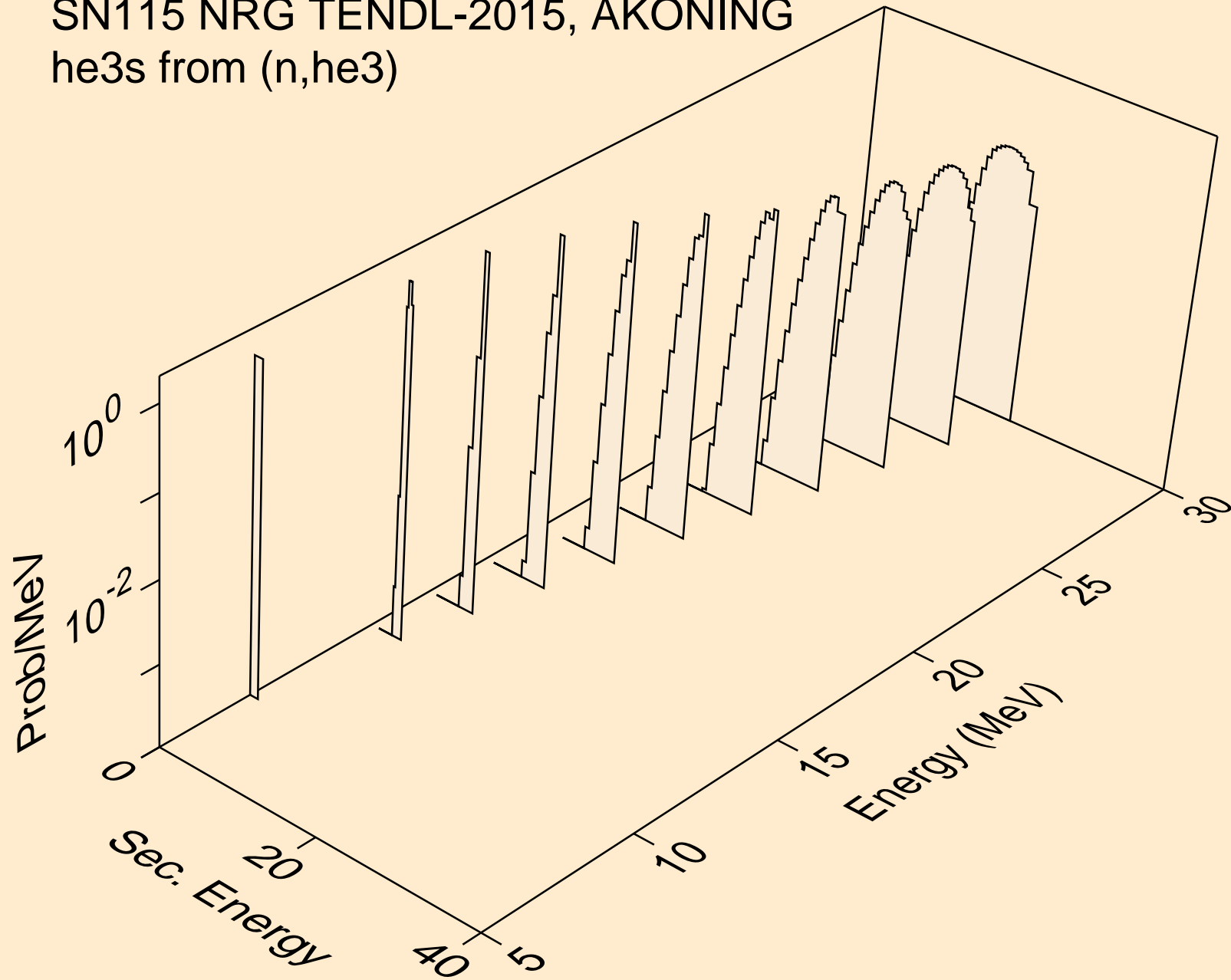
SN115 NRG TENDL-2015, AKONING  
he3s from (n,x)



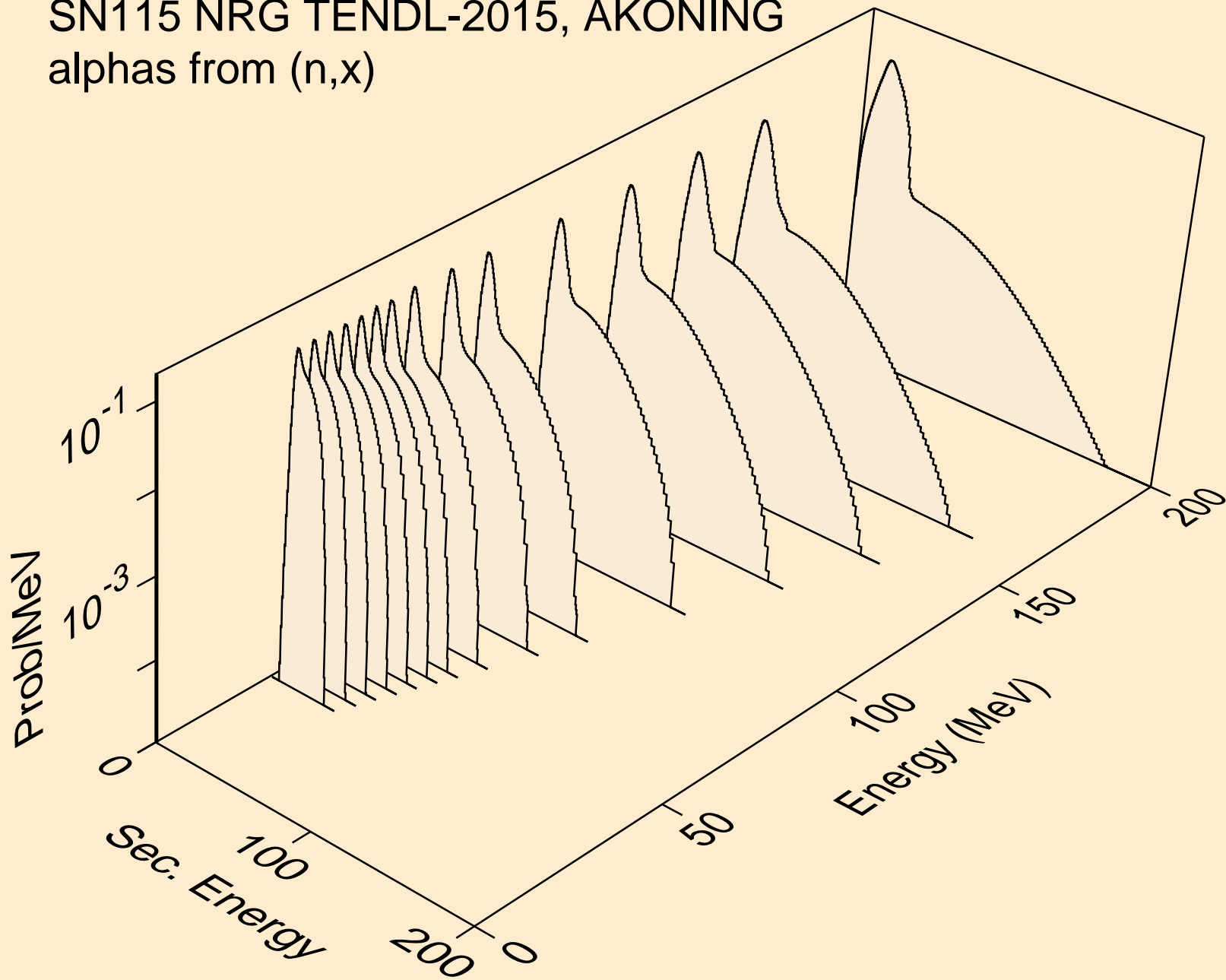
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he3s from (n,n\*)he3



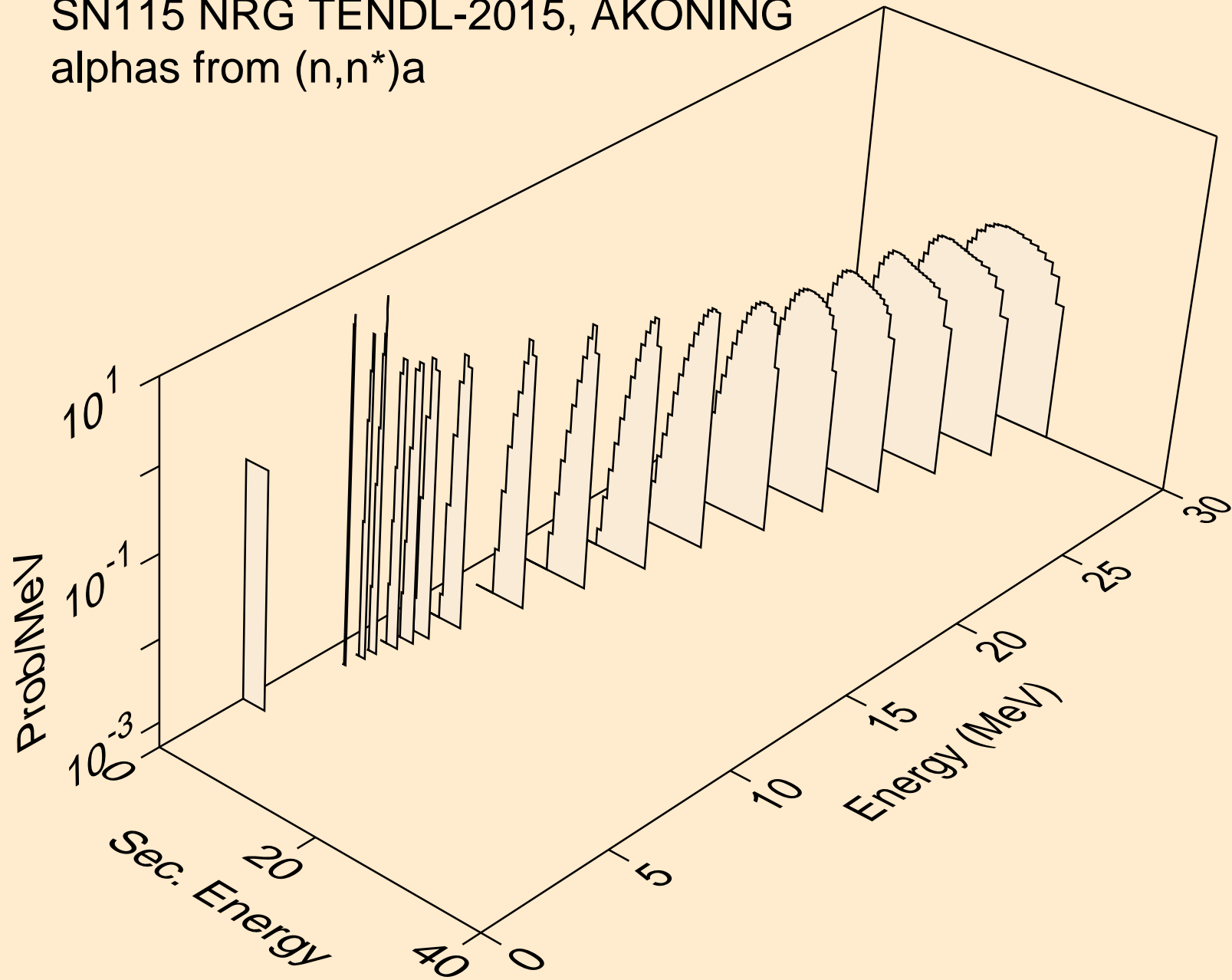
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he3s from (n,he3)



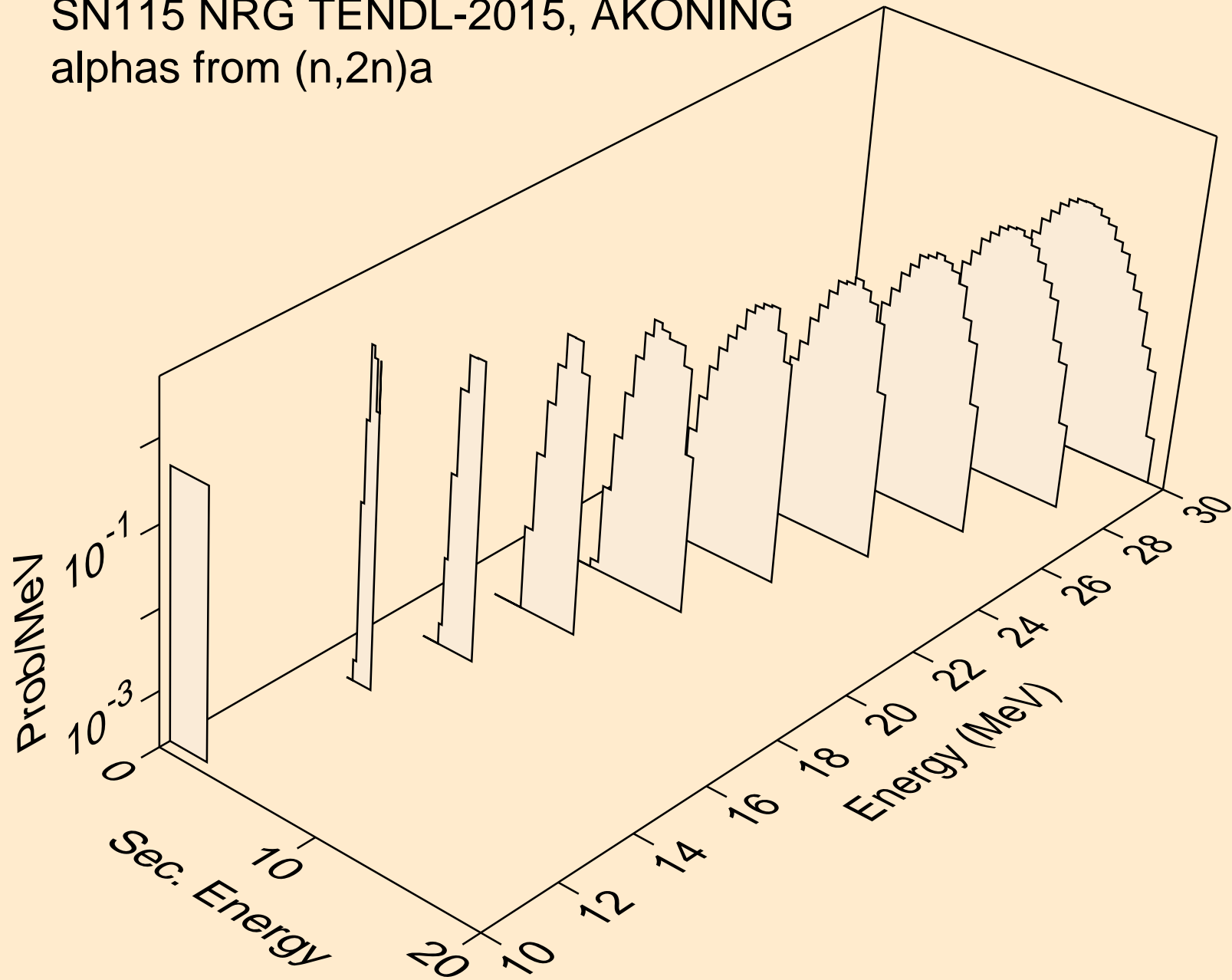
SN115 NRG TENDL-2015, AKONING  
alphas from (n,x)



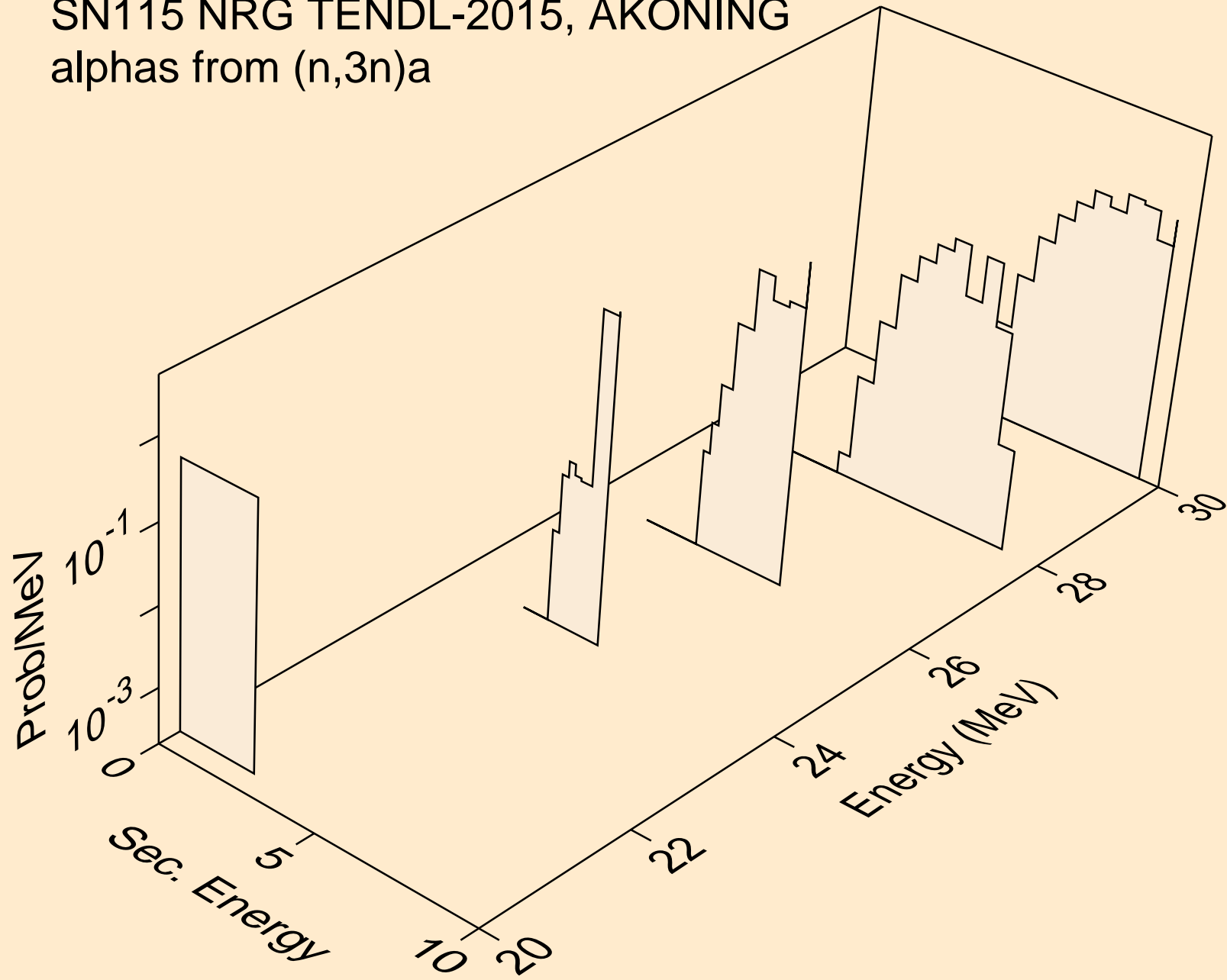
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alphas from (n,n\*)a



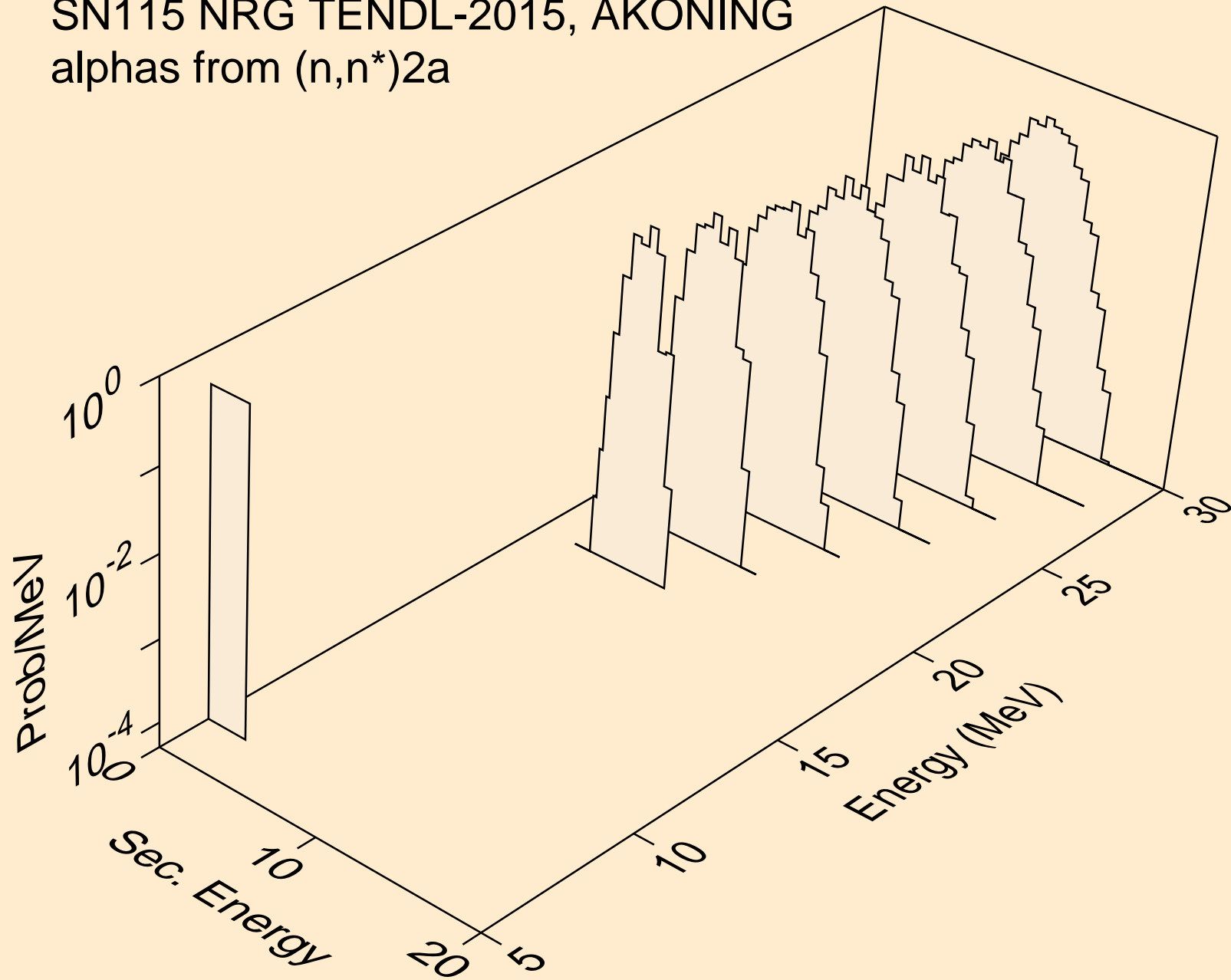
SN115 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



SN115 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

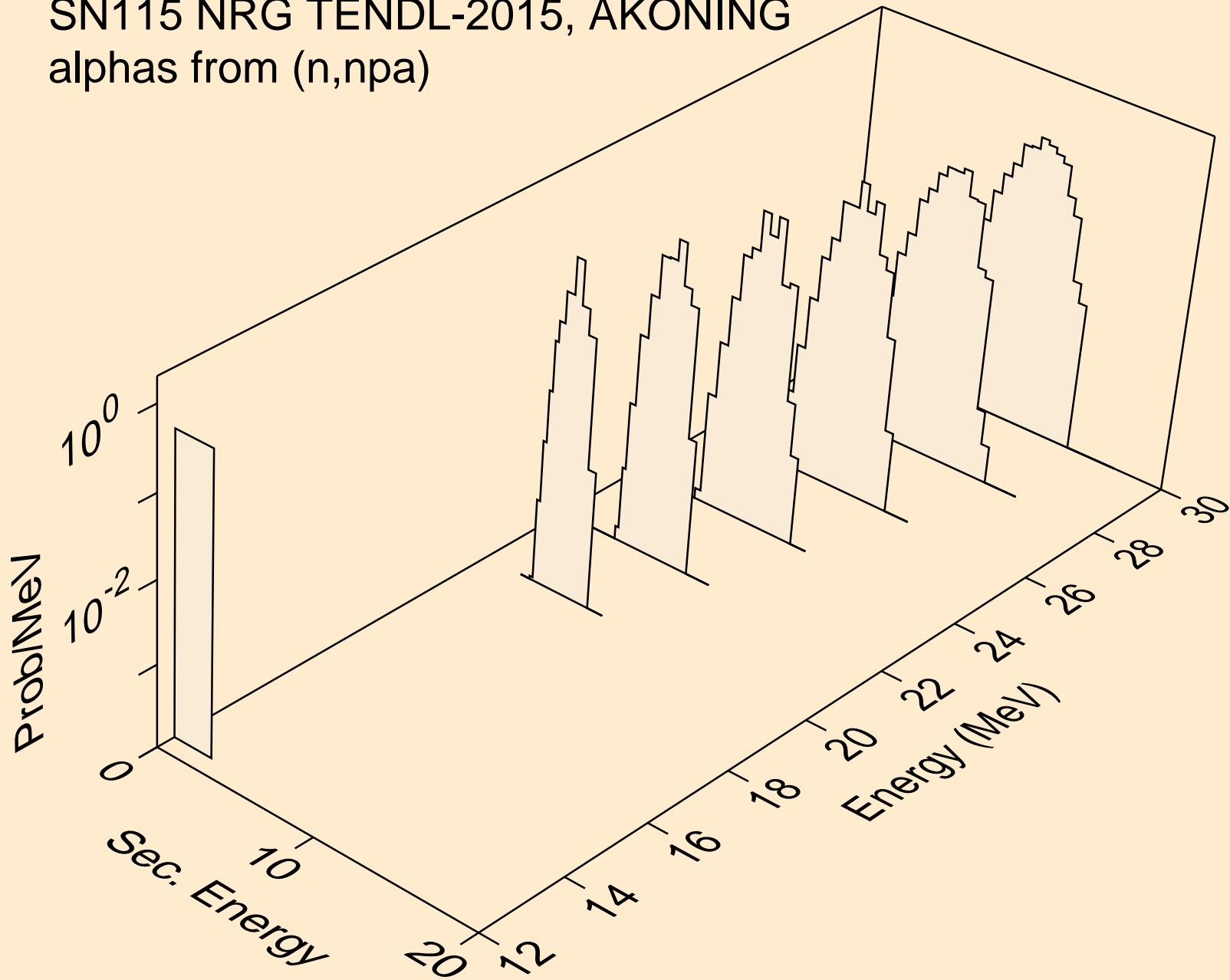


SN115 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

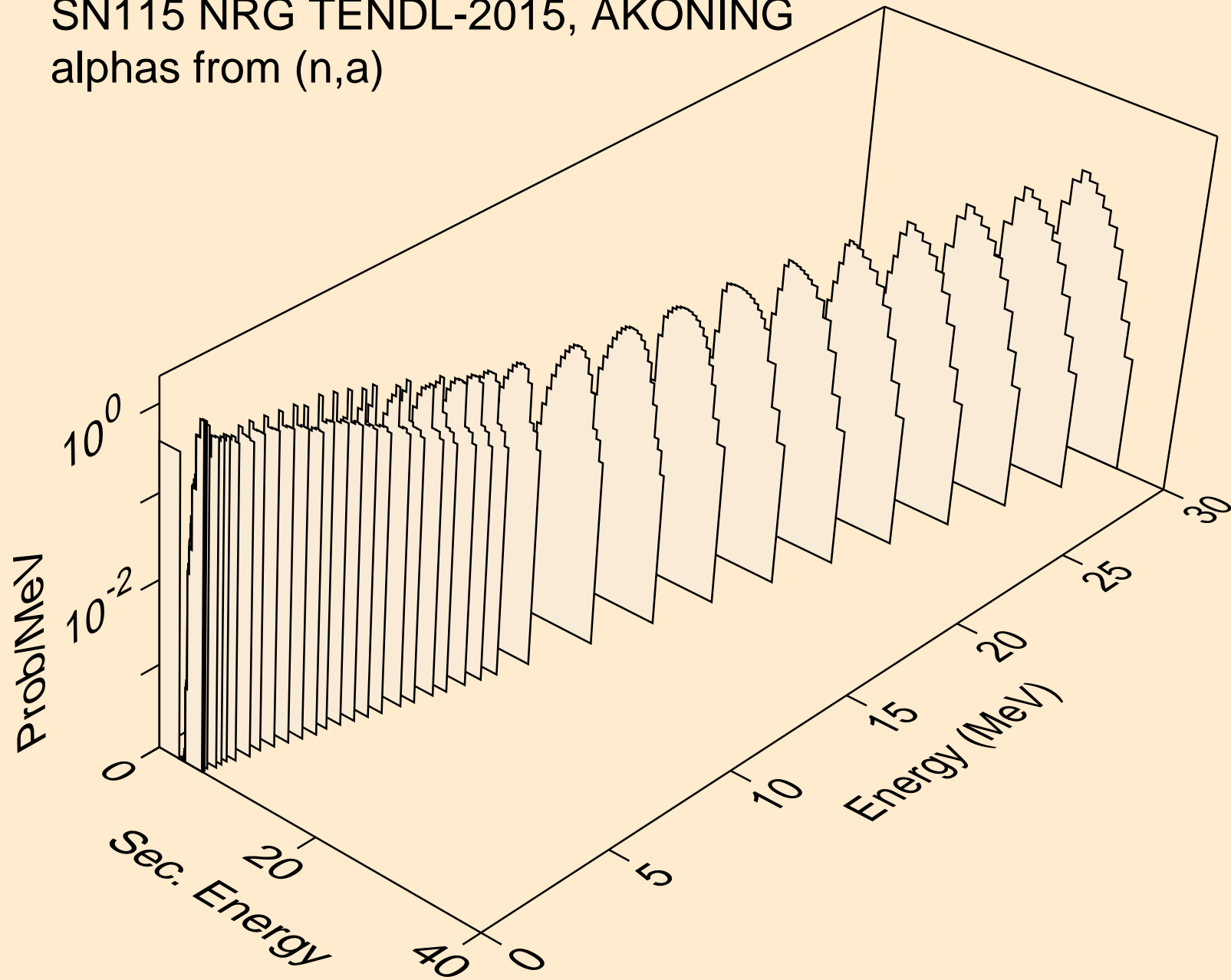




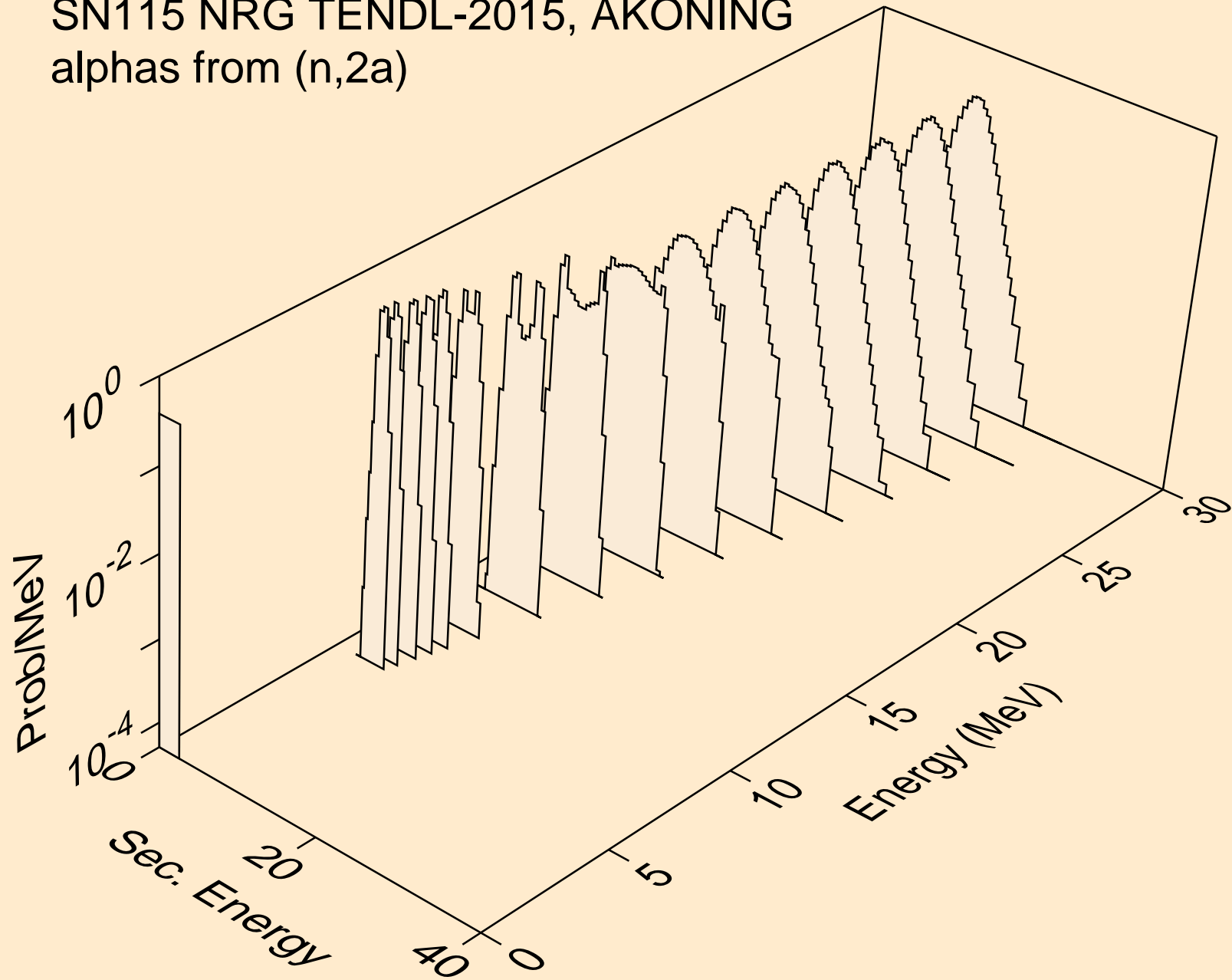
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alphas from (n,npa)



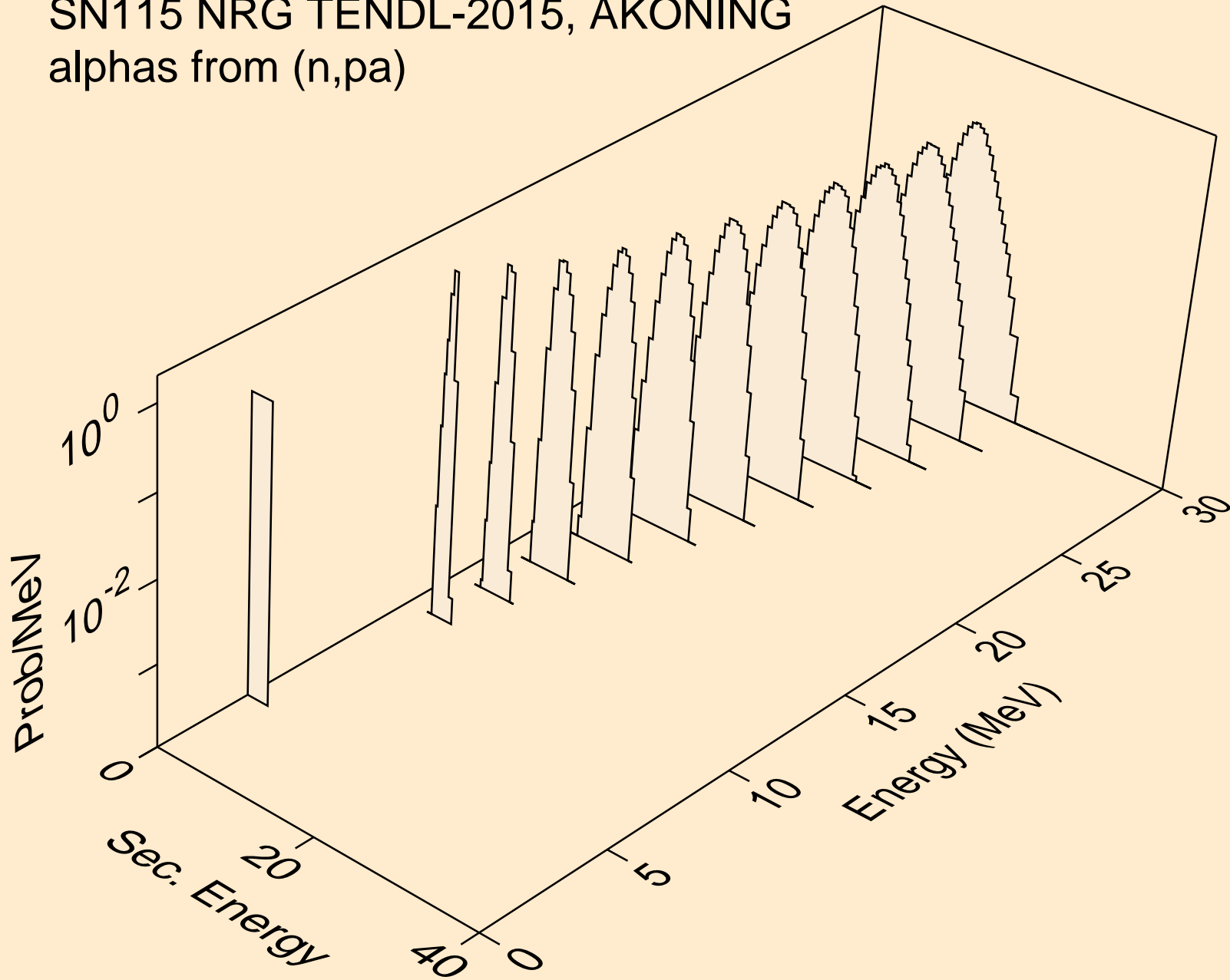
SN115 NRG TENDL-2015, AKONING  
alphas from (n,a)



SN115 NRG TENDL-2015, AKONING  
alphas from (n,2a)



SN115 NRG TENDL-2015, AKONING  
alphas from (n,pa)



SN115 NRG TENDL-2015, AKONING  
alphas from (n,da)

