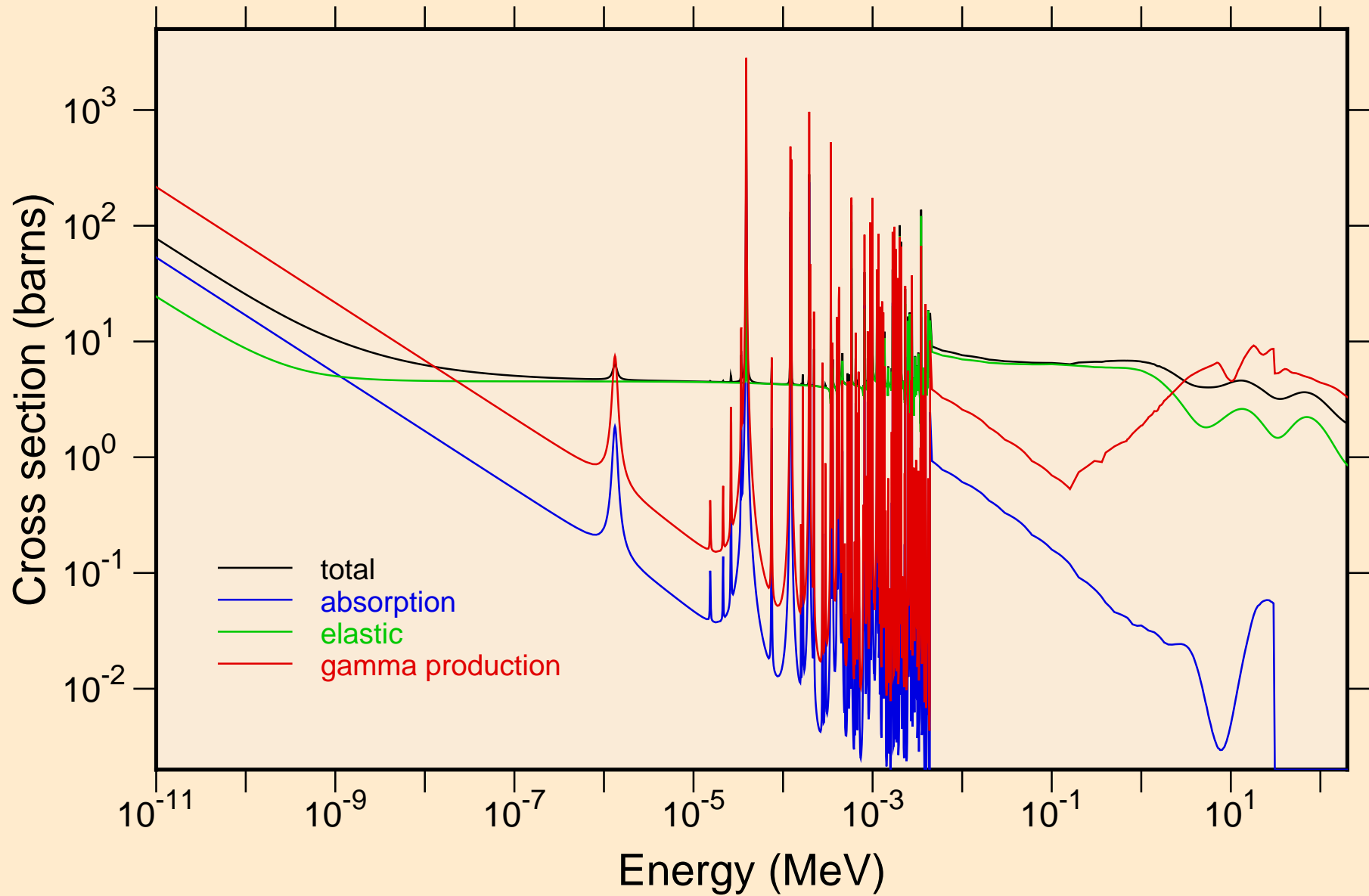
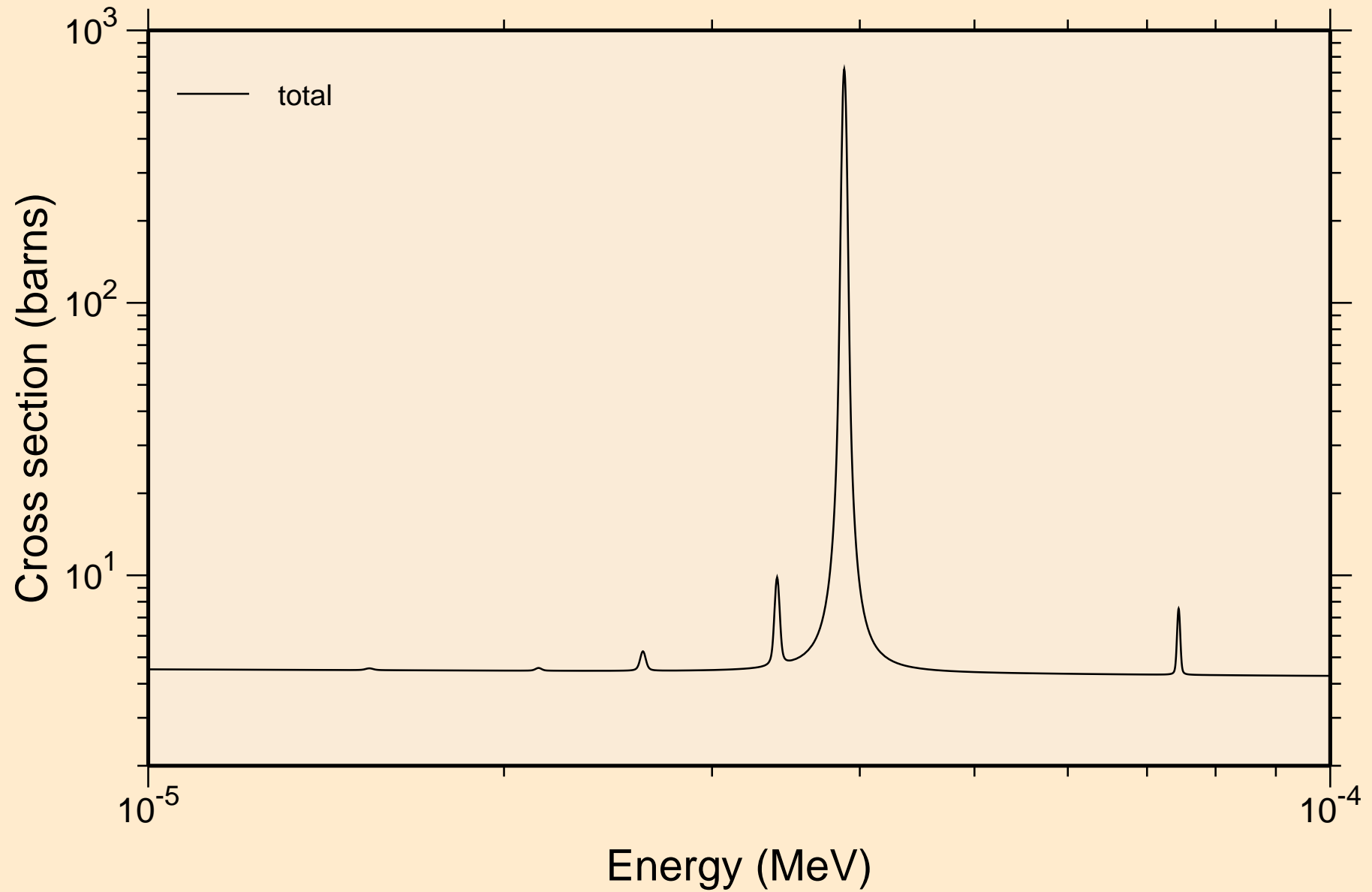


# SN117 NRG TENDL-2015, AKONING

## Principal cross sections

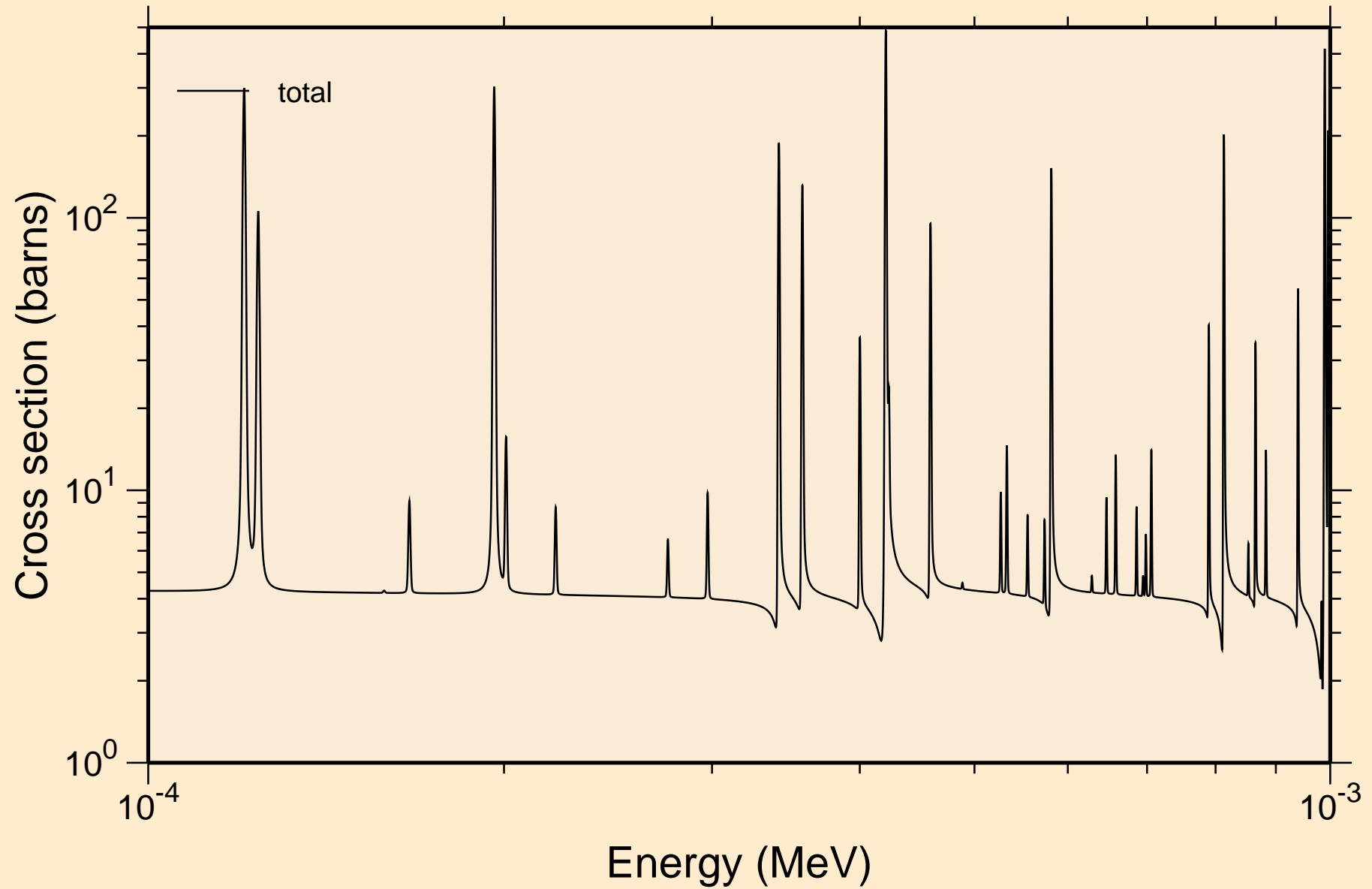


SN117 NRG TENDL-2015, AKONING  
resonance total cross section

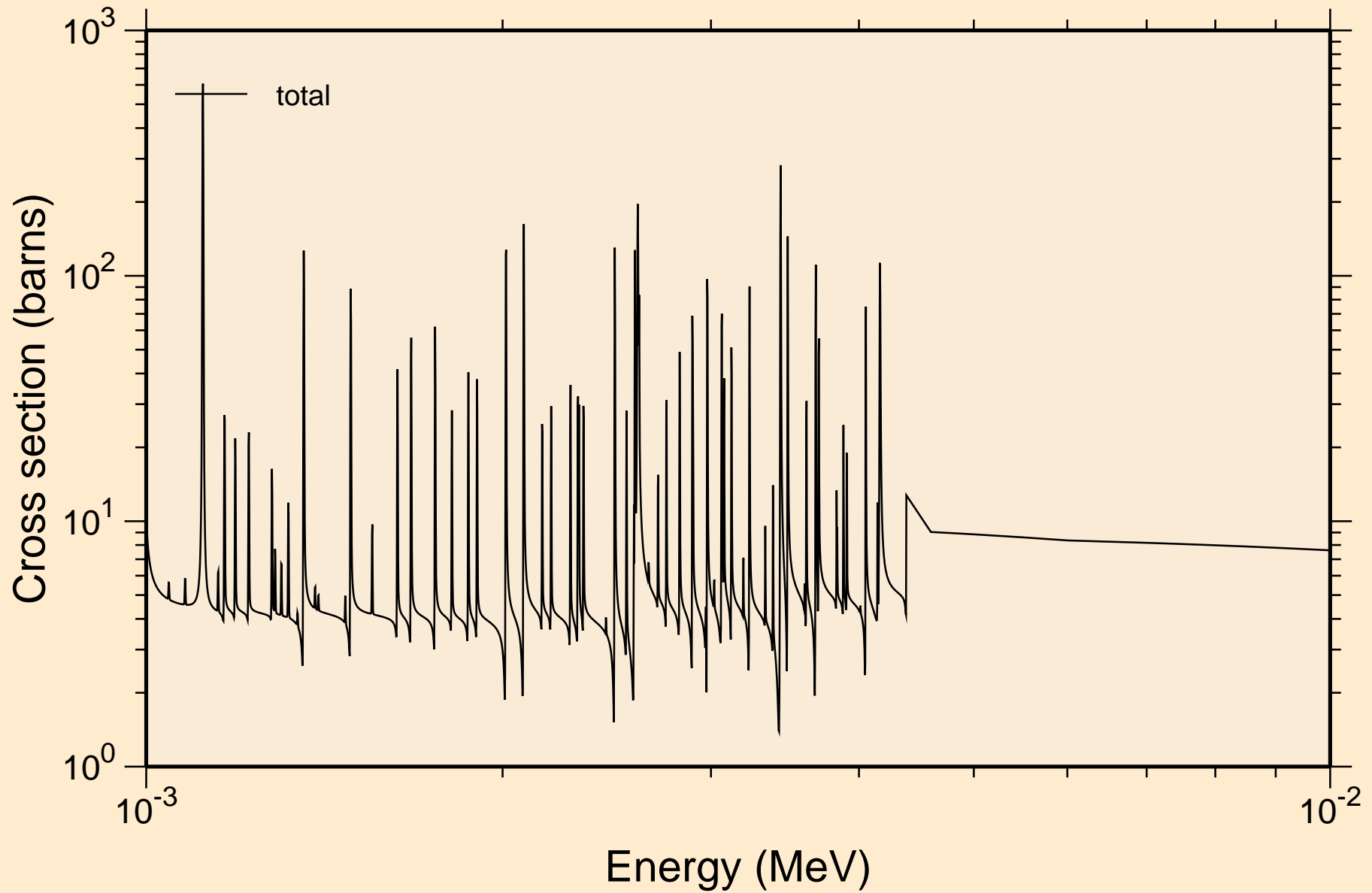


# SN117 NRG TENDL-2015, AKONING

## resonance total cross section

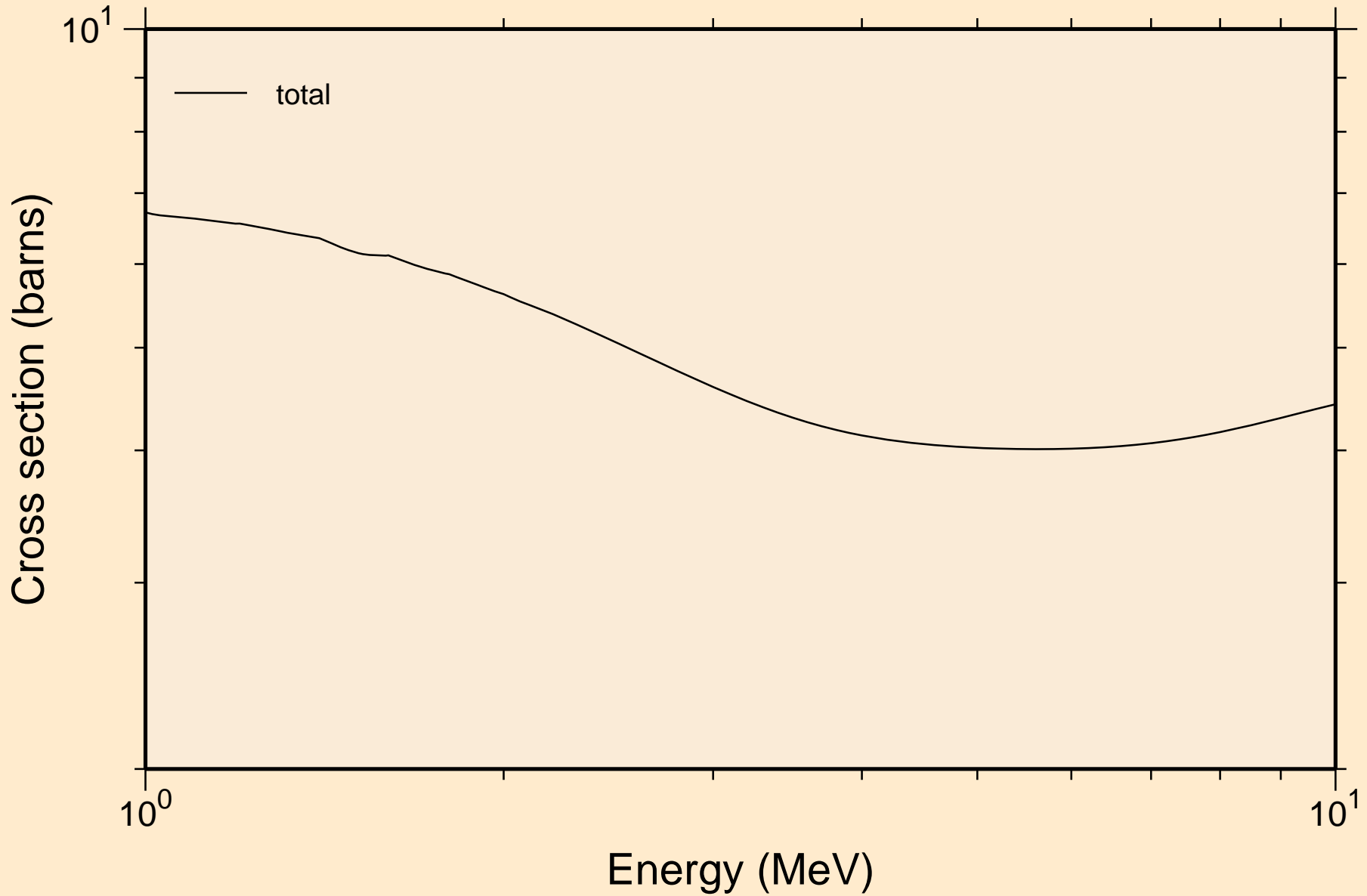


SN117 NRG TENDL-2015, AKONING  
resonance total cross section

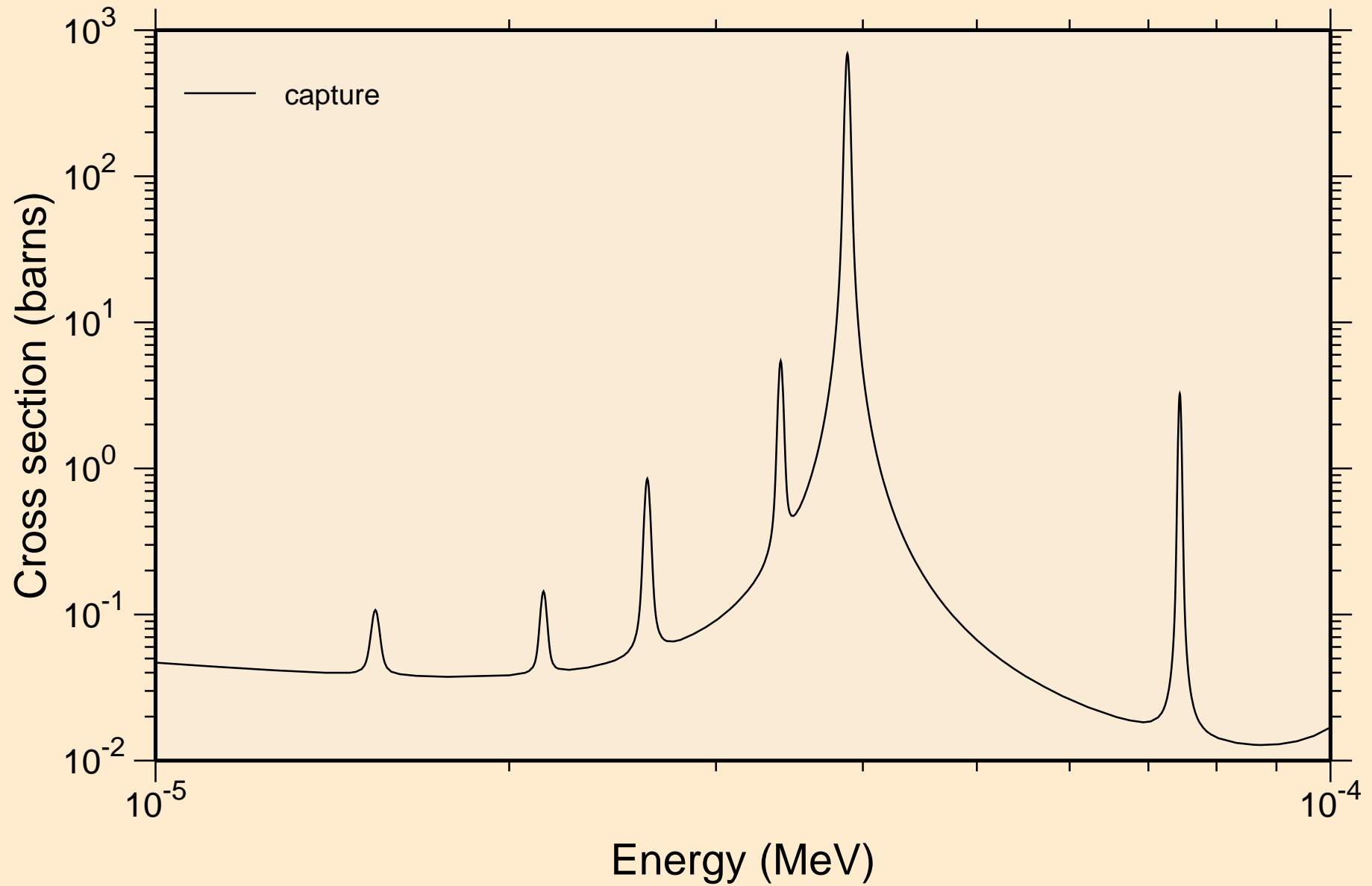


# SN117 NRG TENDL-2015, AKONING

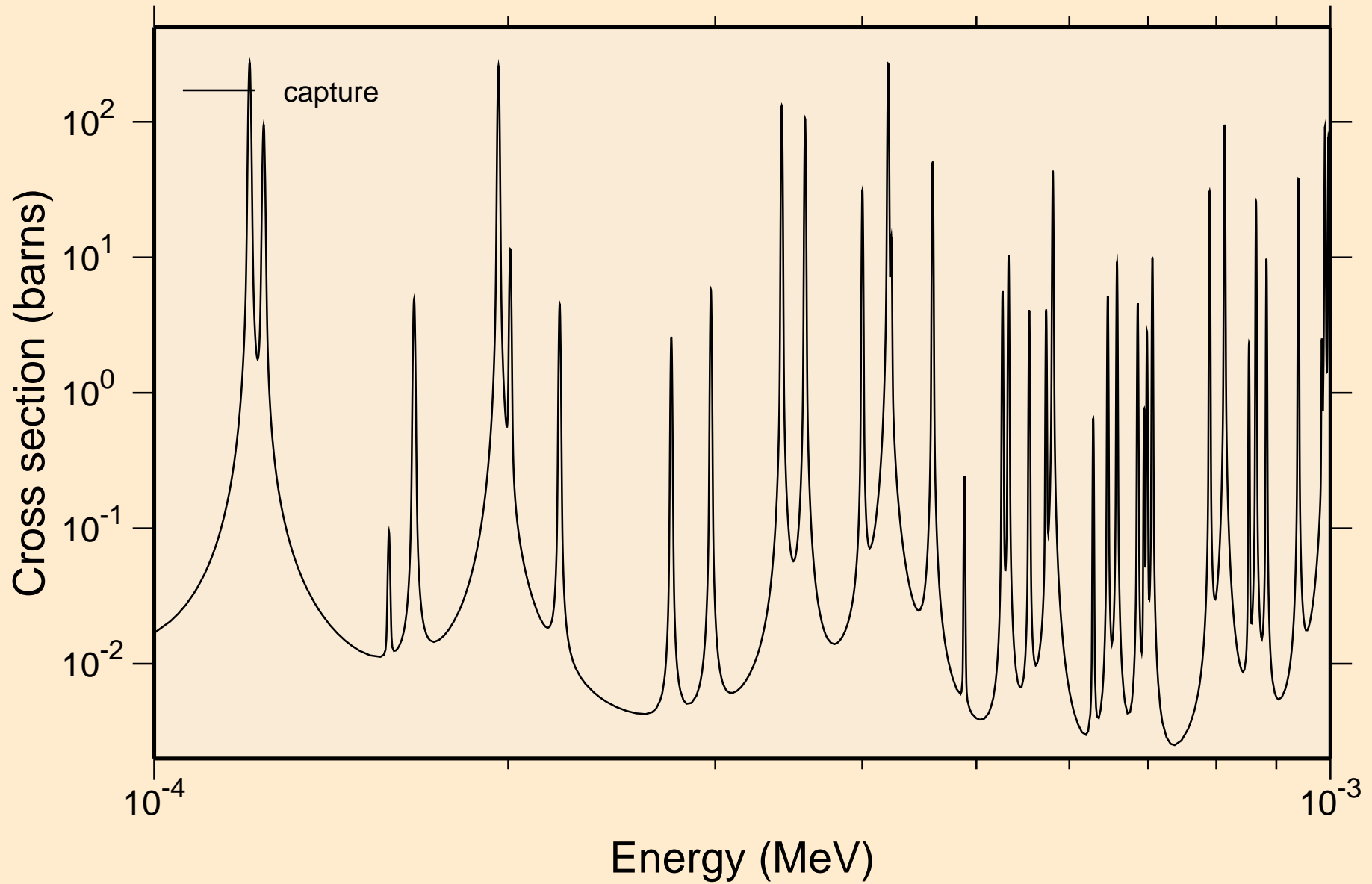
## resonance total cross section



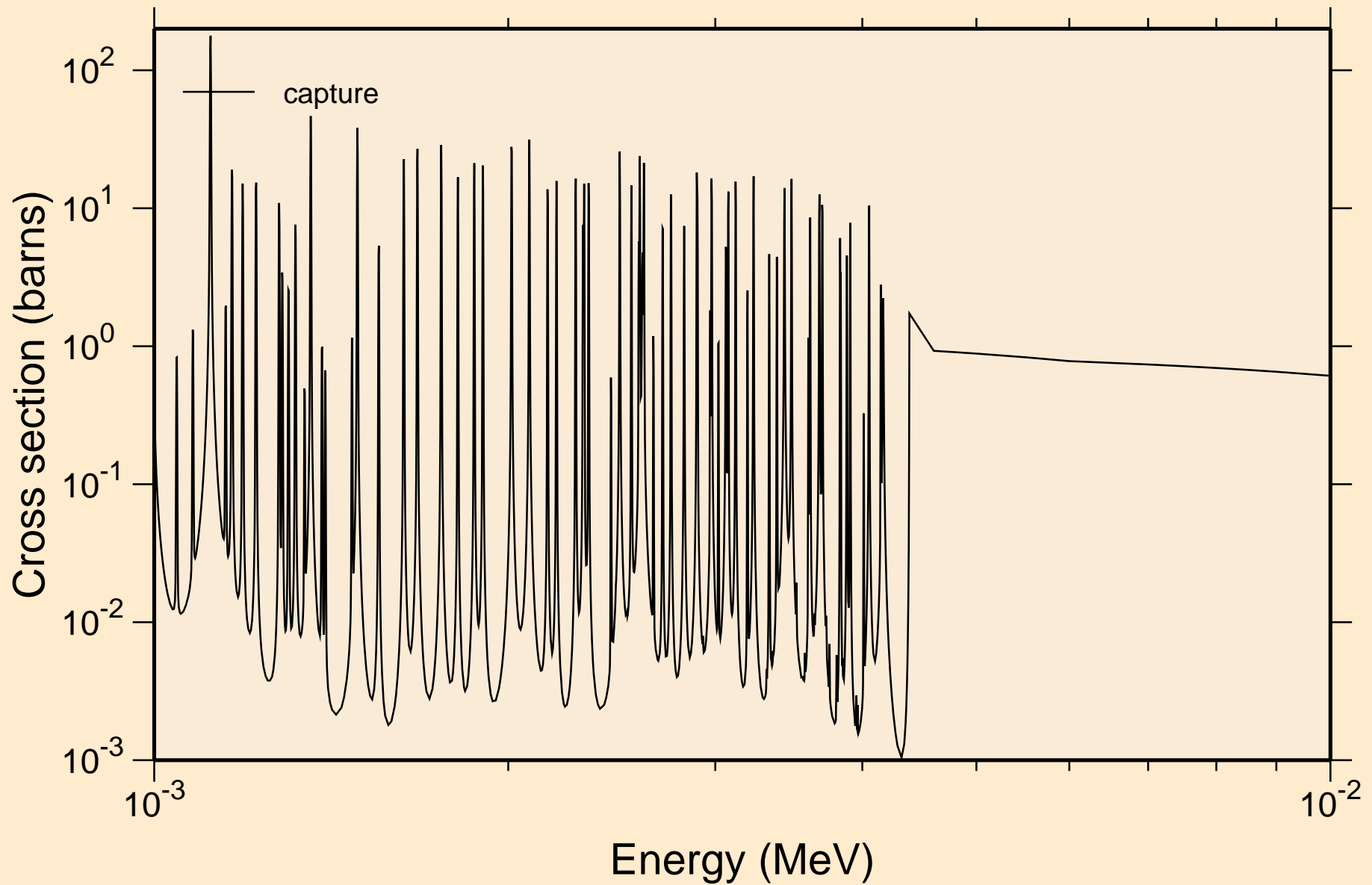
# SN117 NRG TENDL-2015, AKONING resonance absorption cross sections



# SN117 NRG TENDL-2015, AKONING resonance absorption cross sections

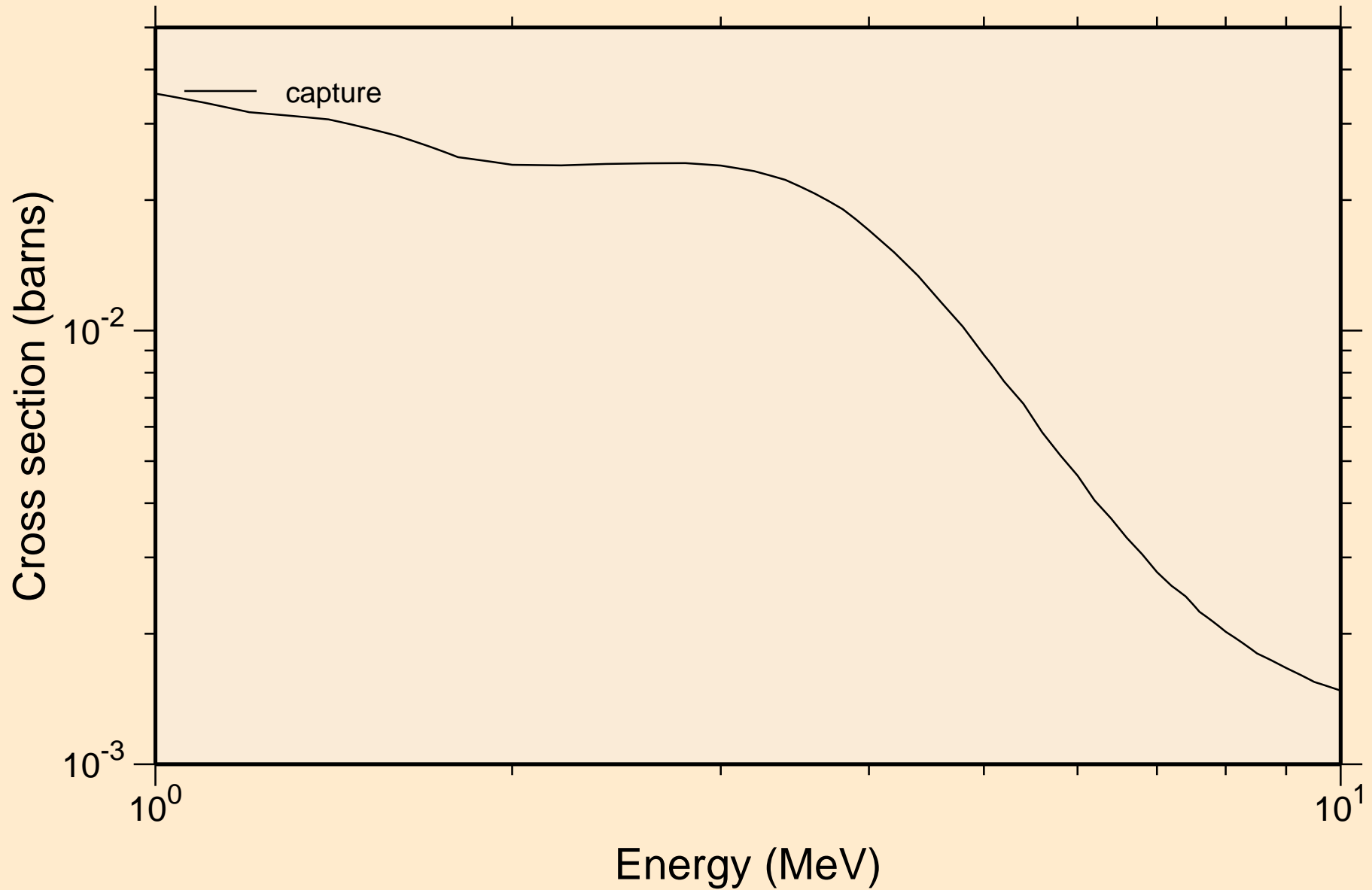


# SN117 NRG TENDL-2015, AKONING resonance absorption cross sections



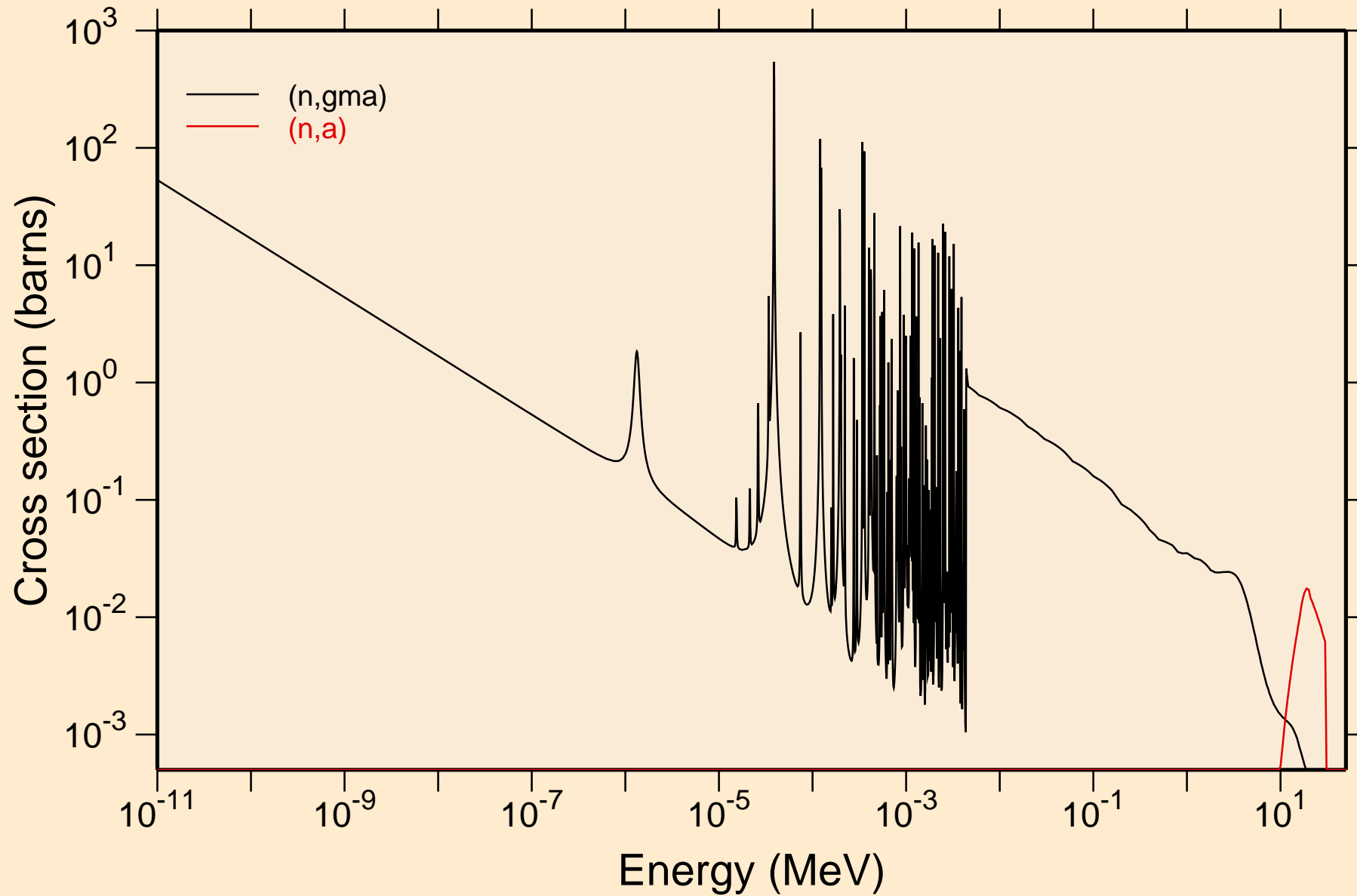


SN117 NRG TENDL-2015, AKONING  
resonance absorption cross sections



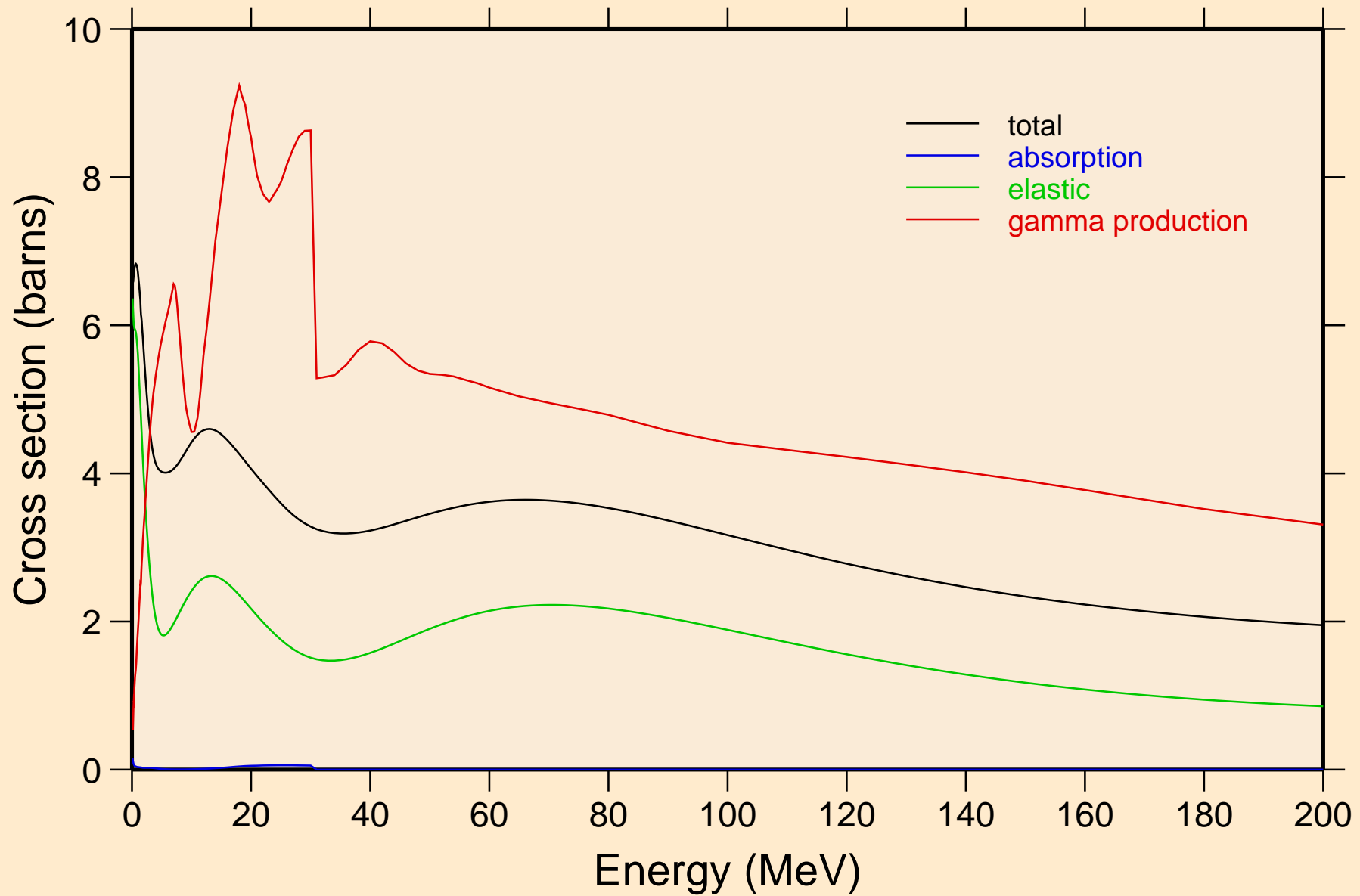
# SN117 NRG TENDL-2015, AKONING

## Non-threshold reactions



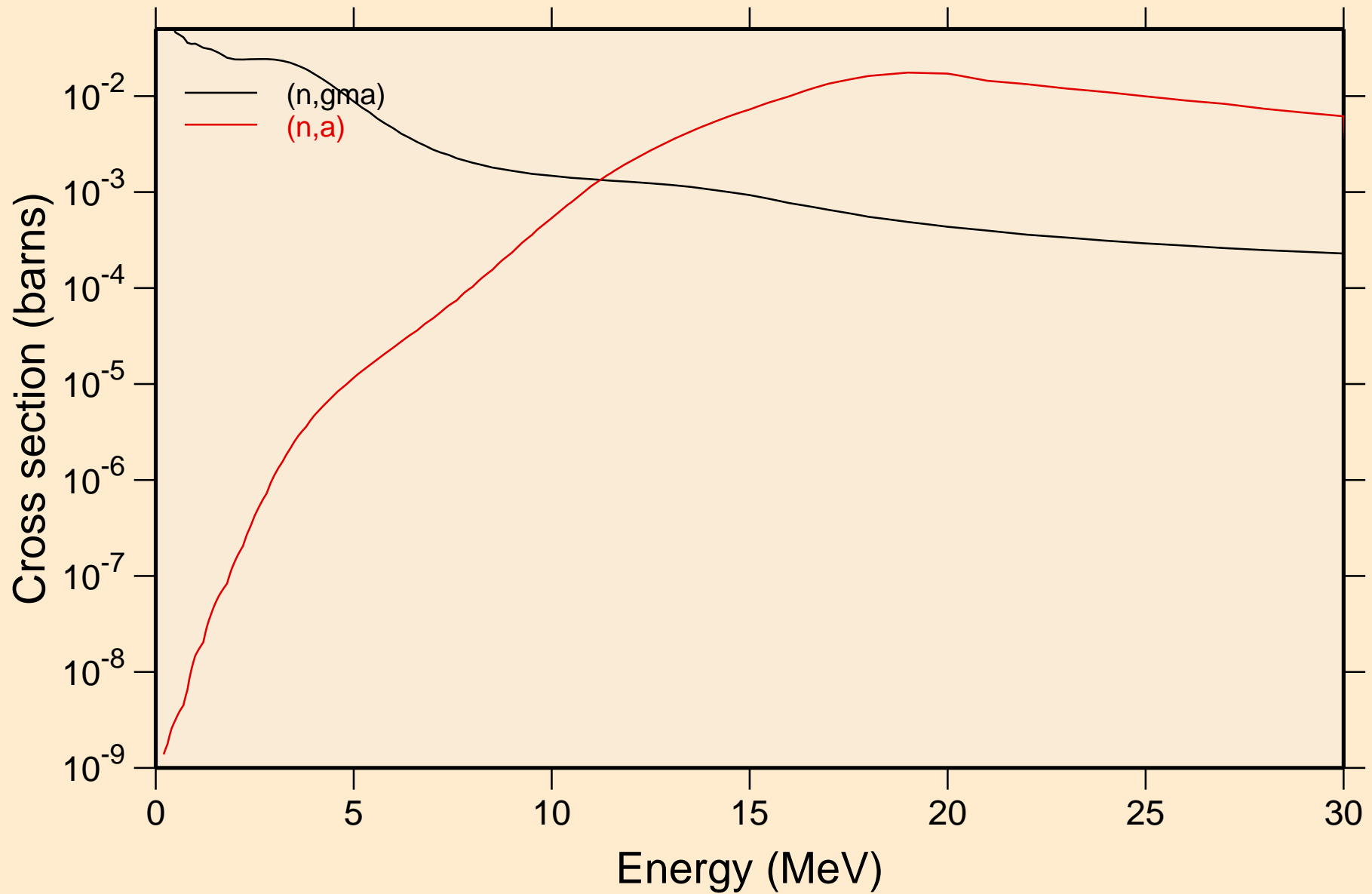
# SN117 NRG TENDL-2015, AKONING

## Principal cross sections



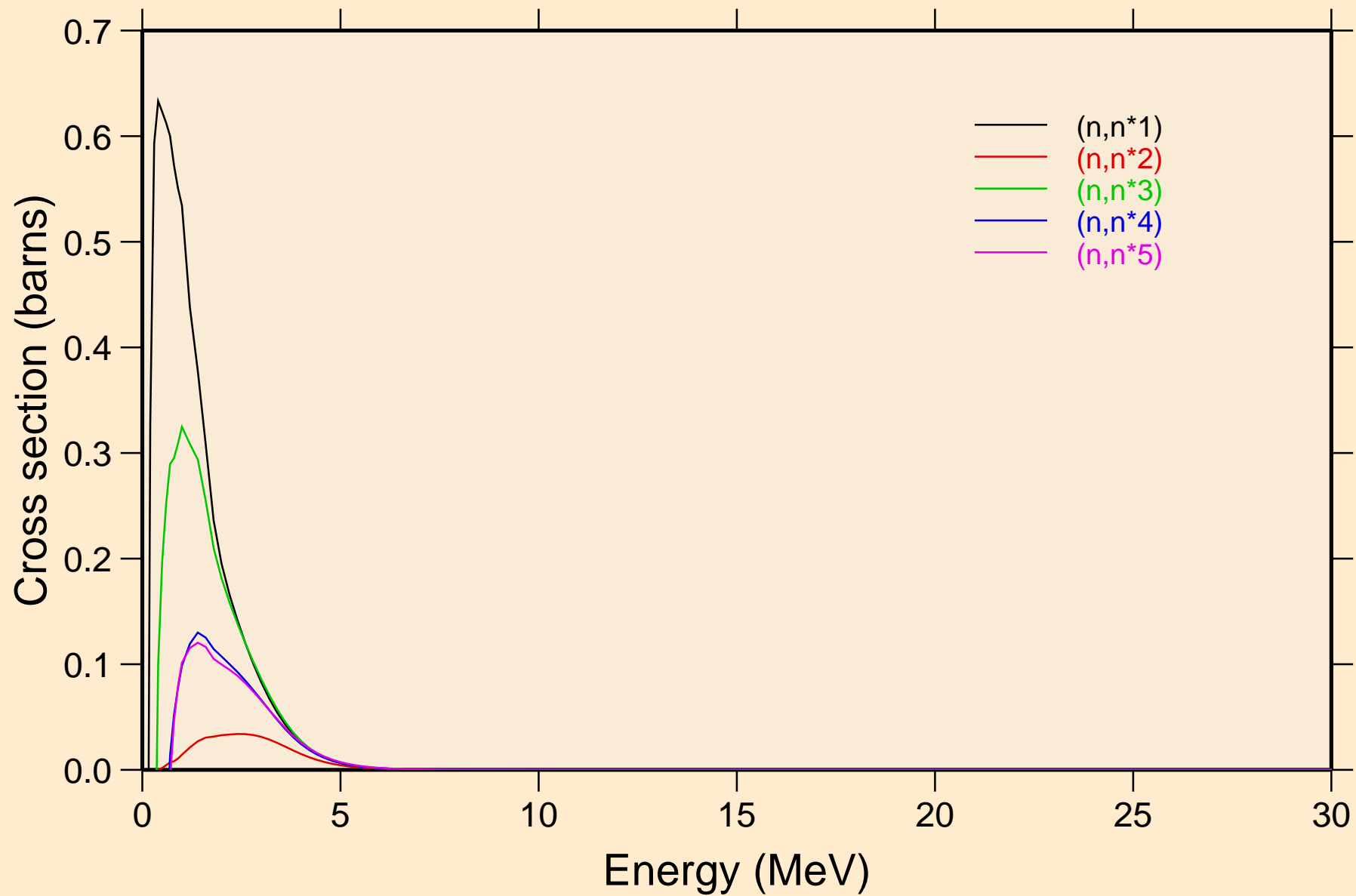
# SN117 NRG TENDL-2015, AKONING

## Non-threshold reactions



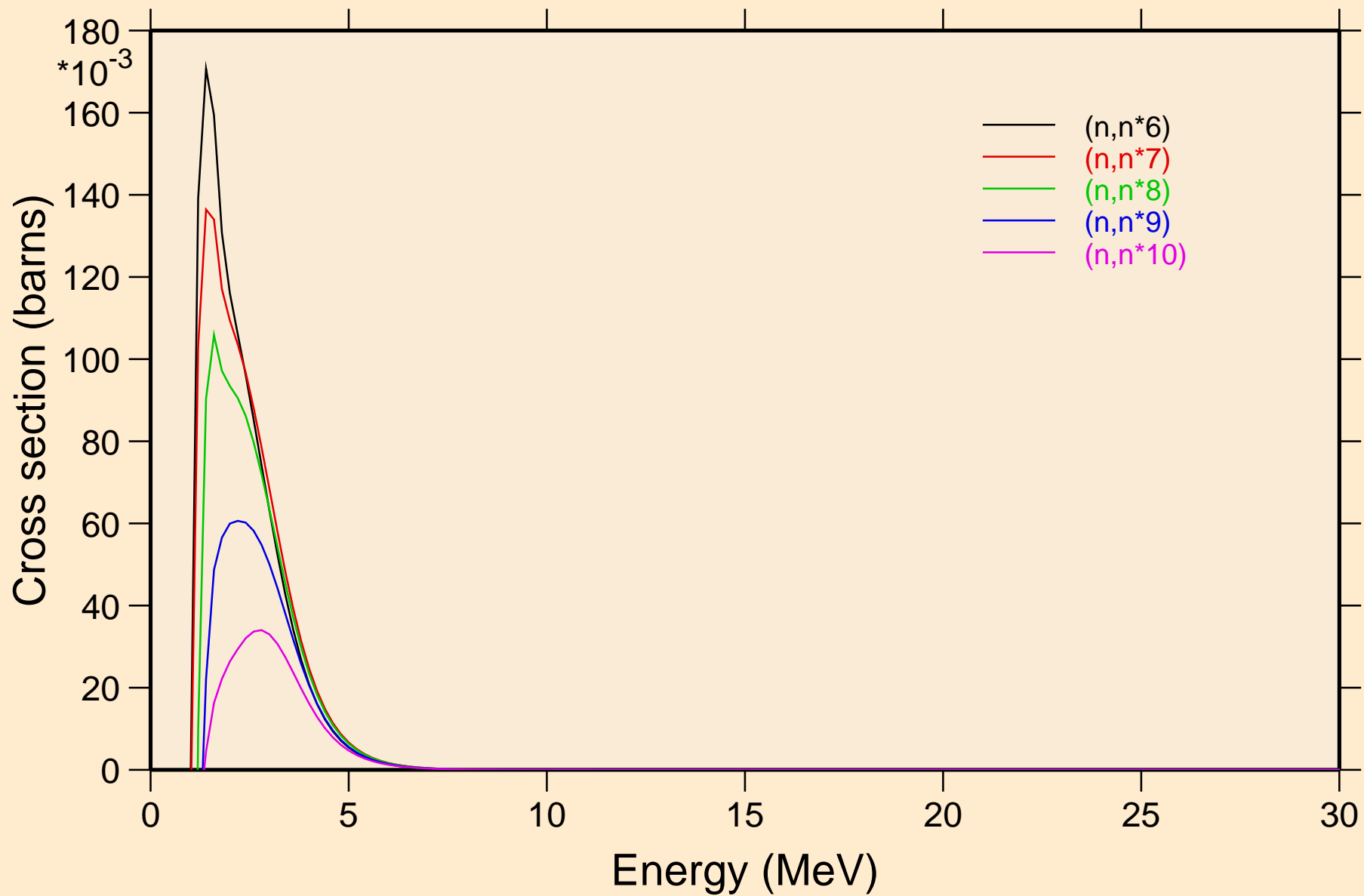
# SN117 NRG TENDL-2015, AKONING

## Inelastic levels



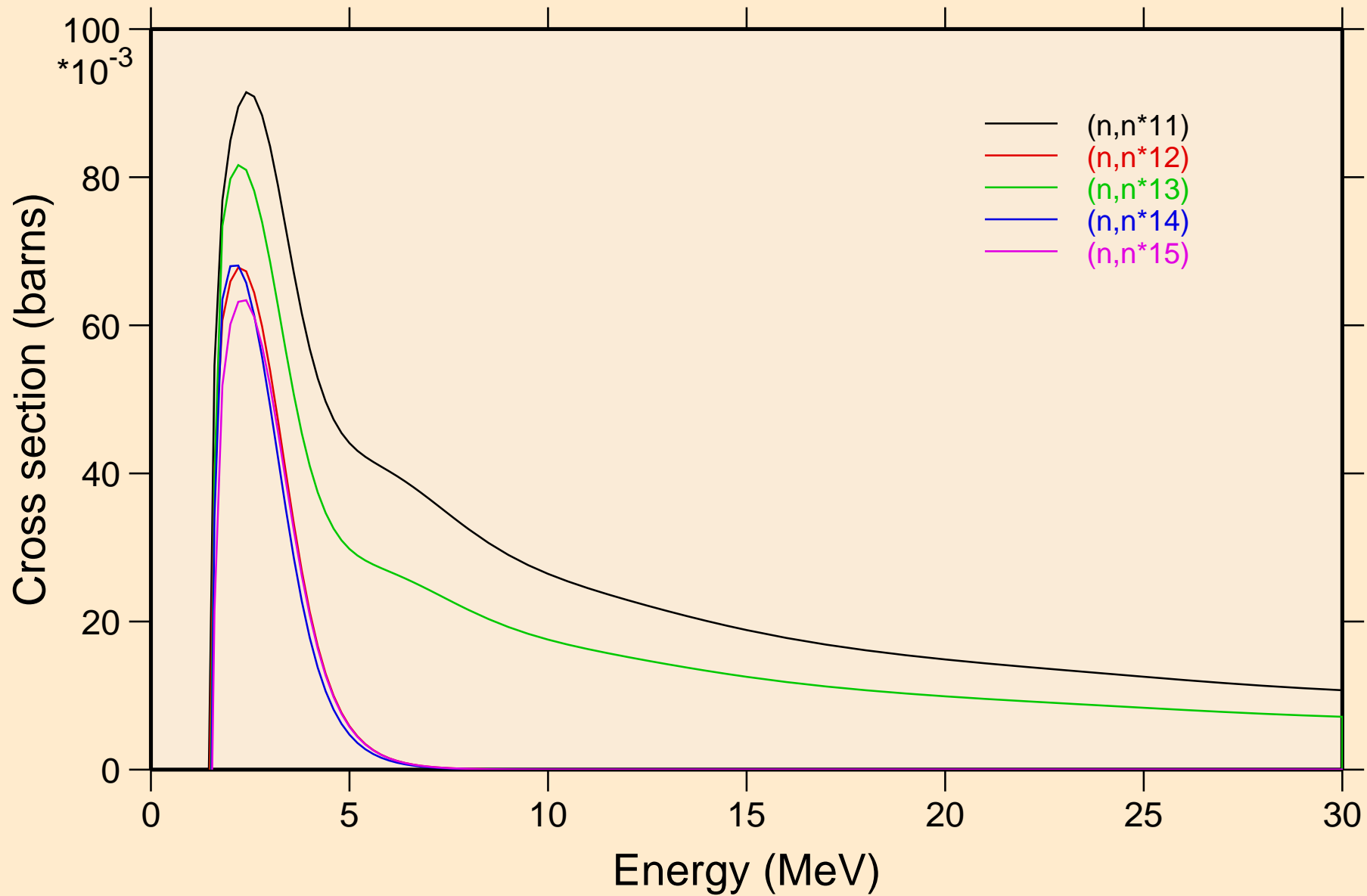
# SN117 NRG TENDL-2015, AKONING

## Inelastic levels



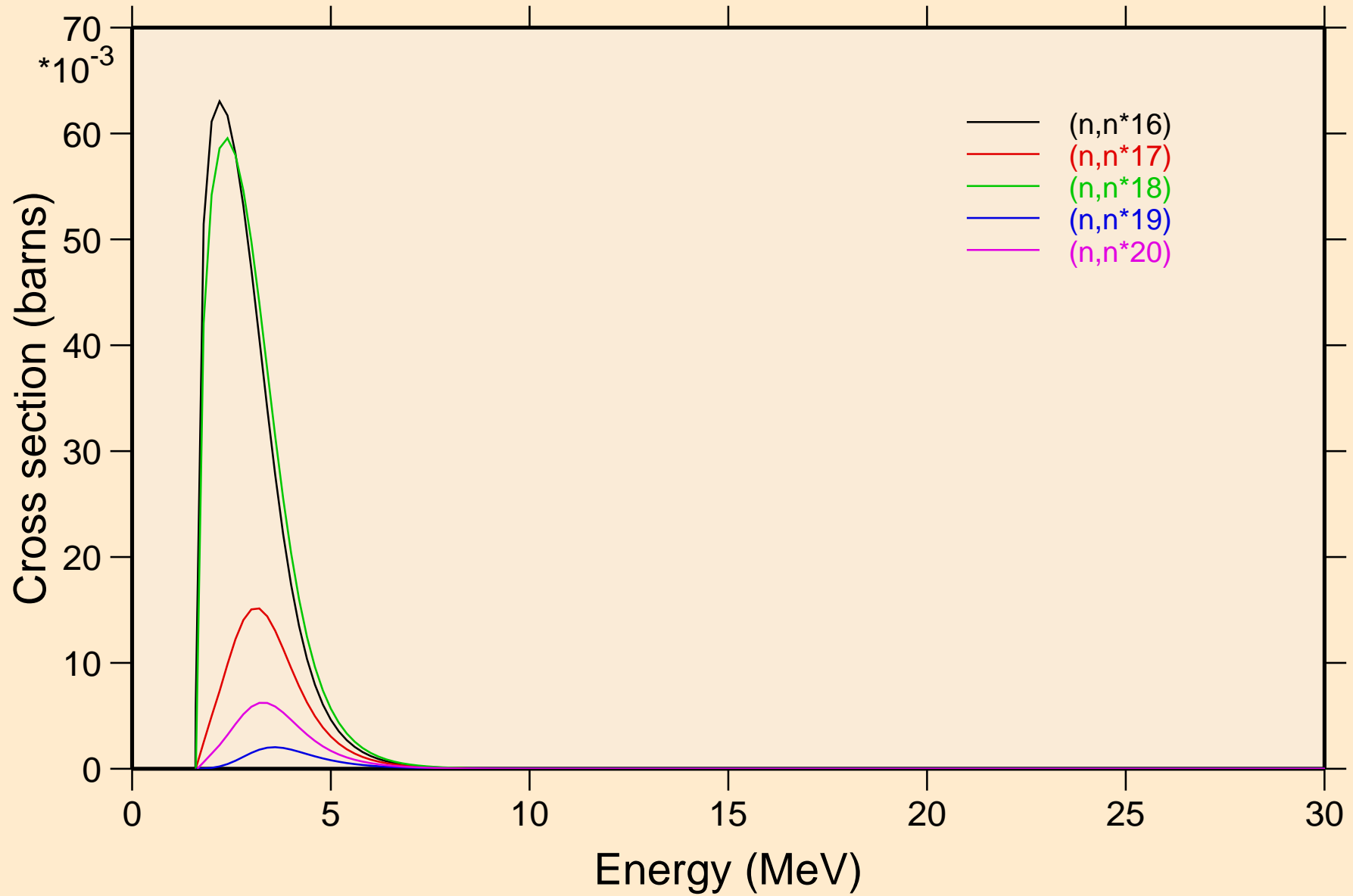
# SN117 NRG TENDL-2015, AKONING

## Inelastic levels



# SN117 NRG TENDL-2015, AKONING

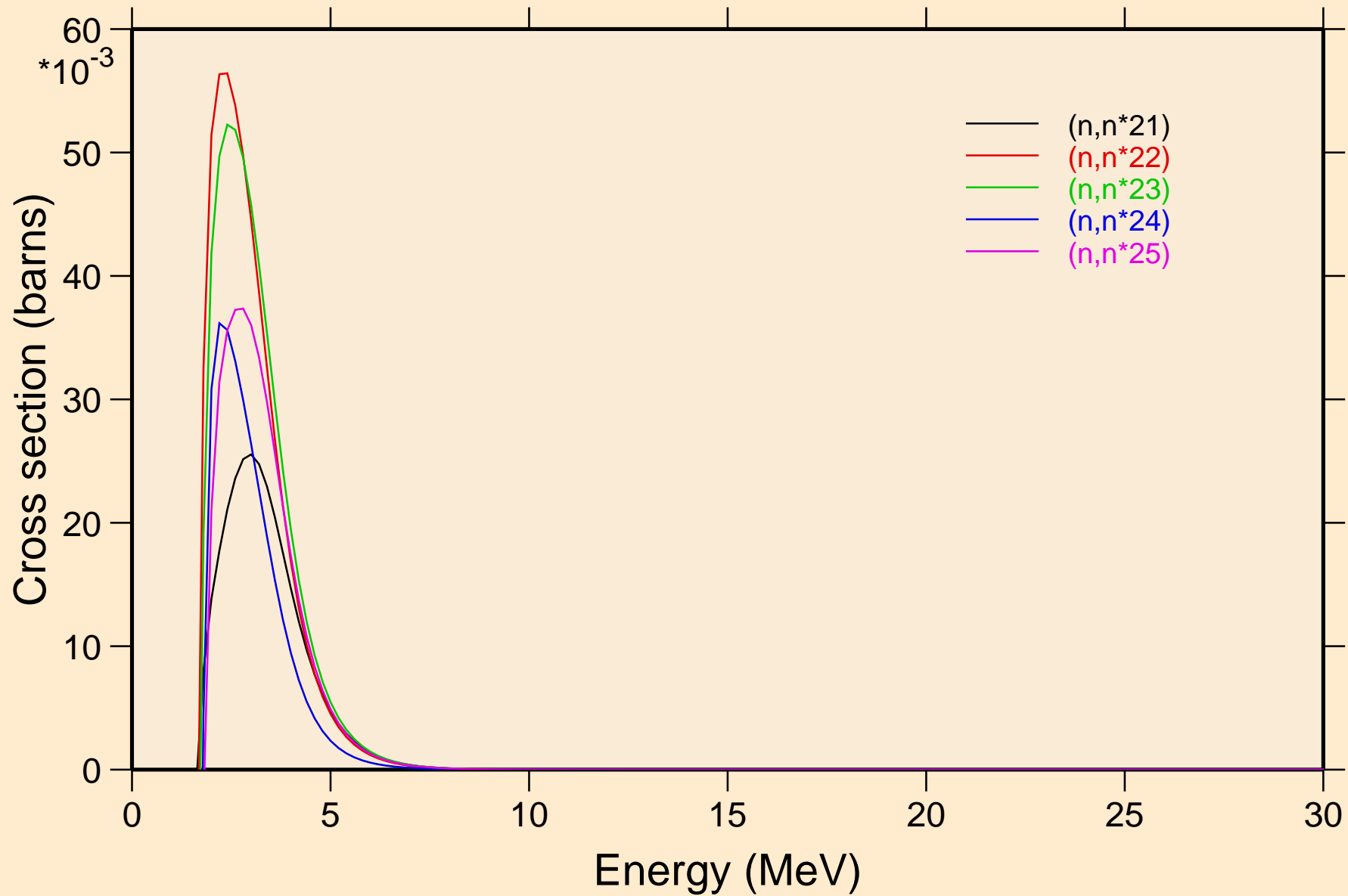
## Inelastic levels





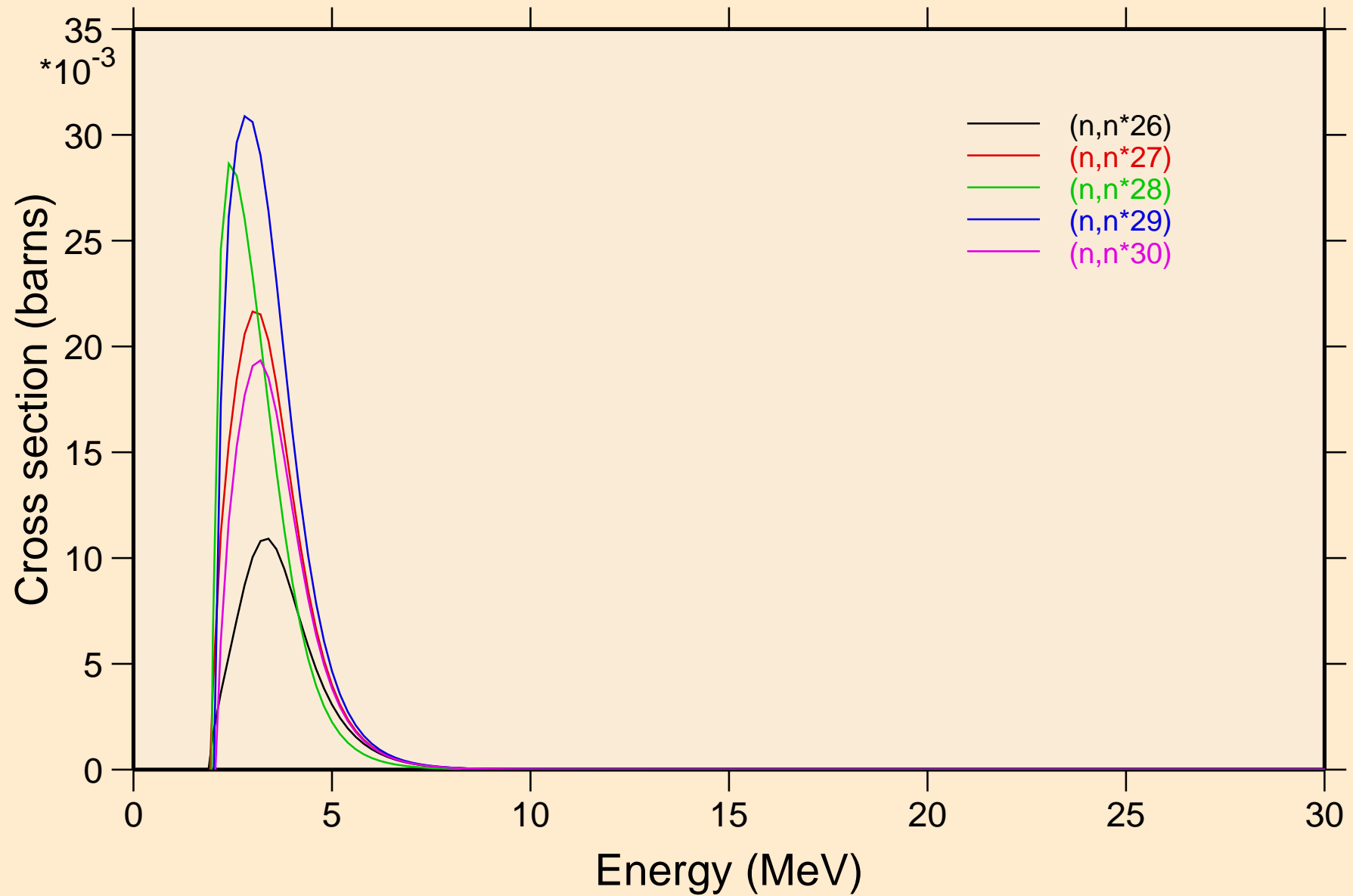
# SN117 NRG TENDL-2015, AKONING

## Inelastic levels



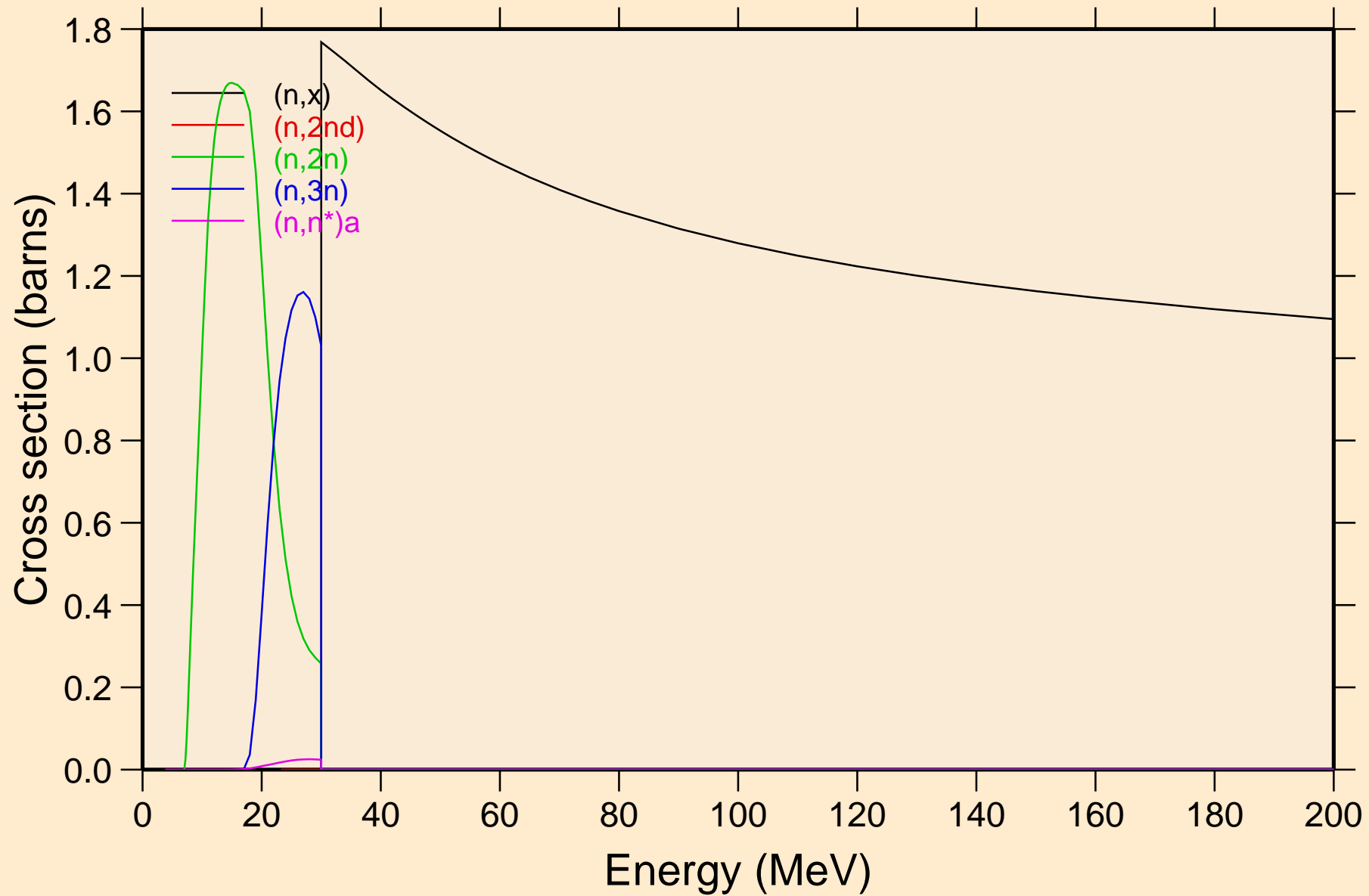
# SN117 NRG TENDL-2015, AKONING

## Inelastic levels



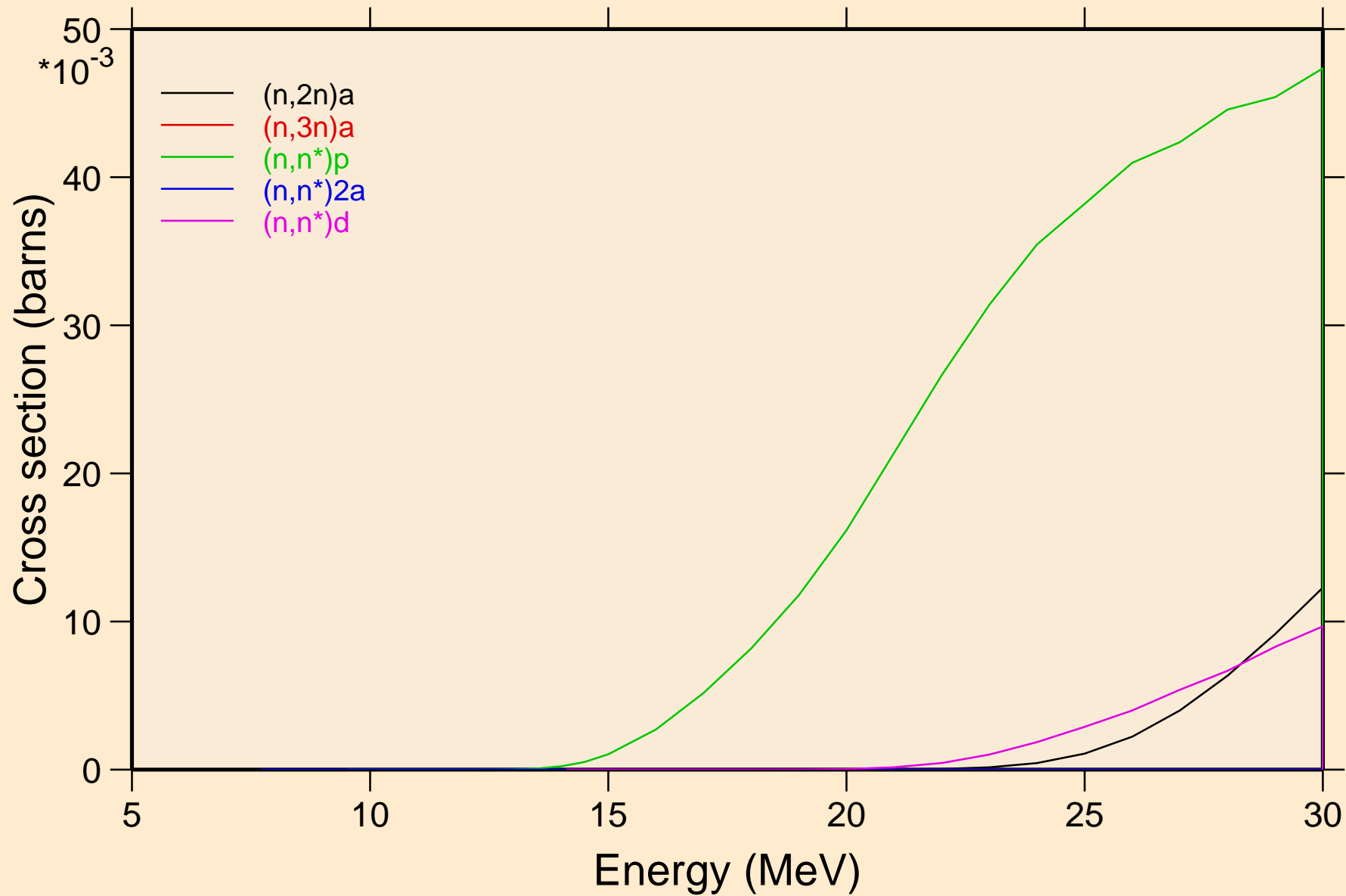
# SN117 NRG TENDL-2015, AKONING

## Threshold reactions



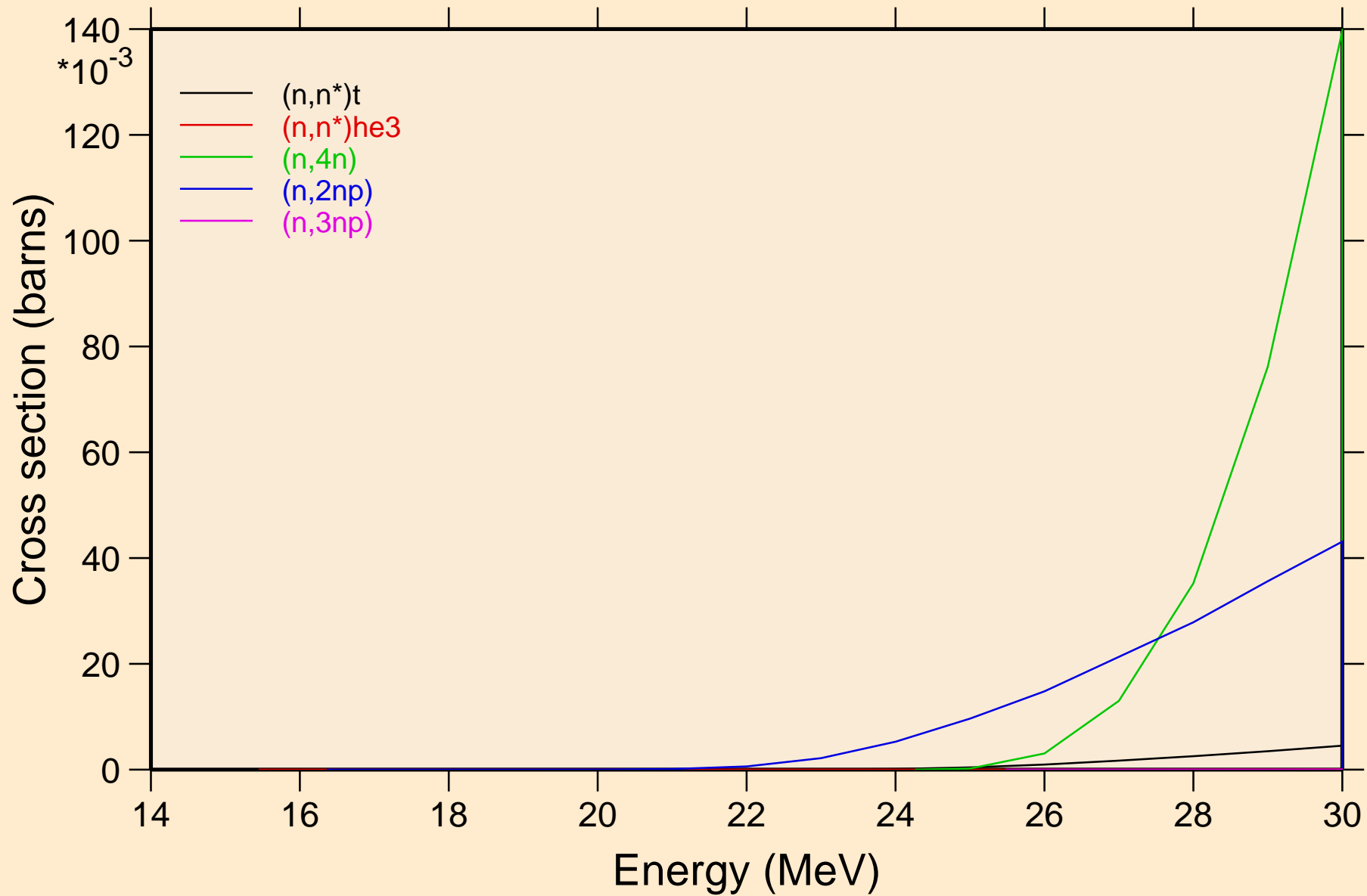
# SN117 NRG TENDL-2015, AKONING

## Threshold reactions



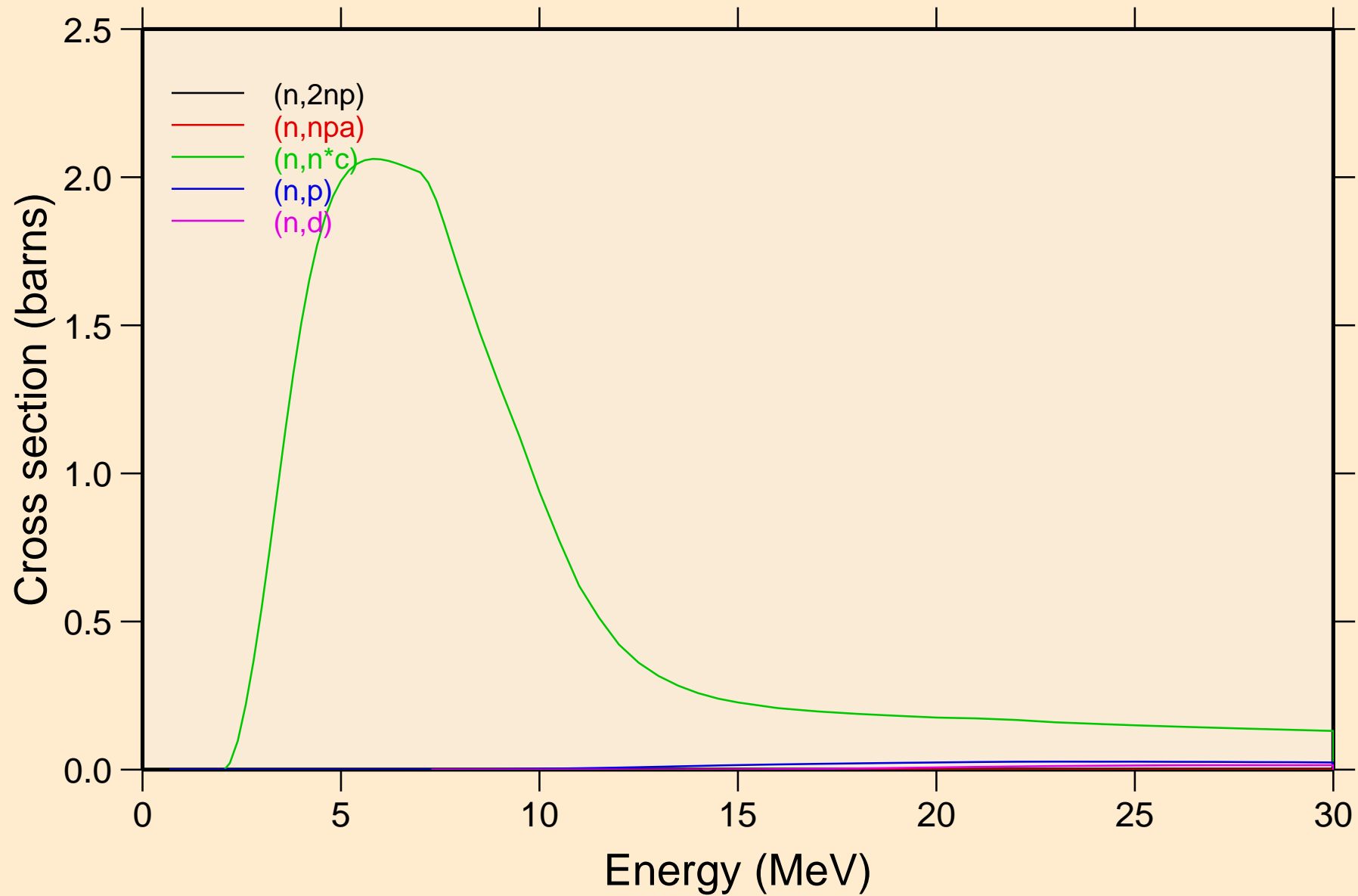
# SN117 NRG TENDL-2015, AKONING

## Threshold reactions



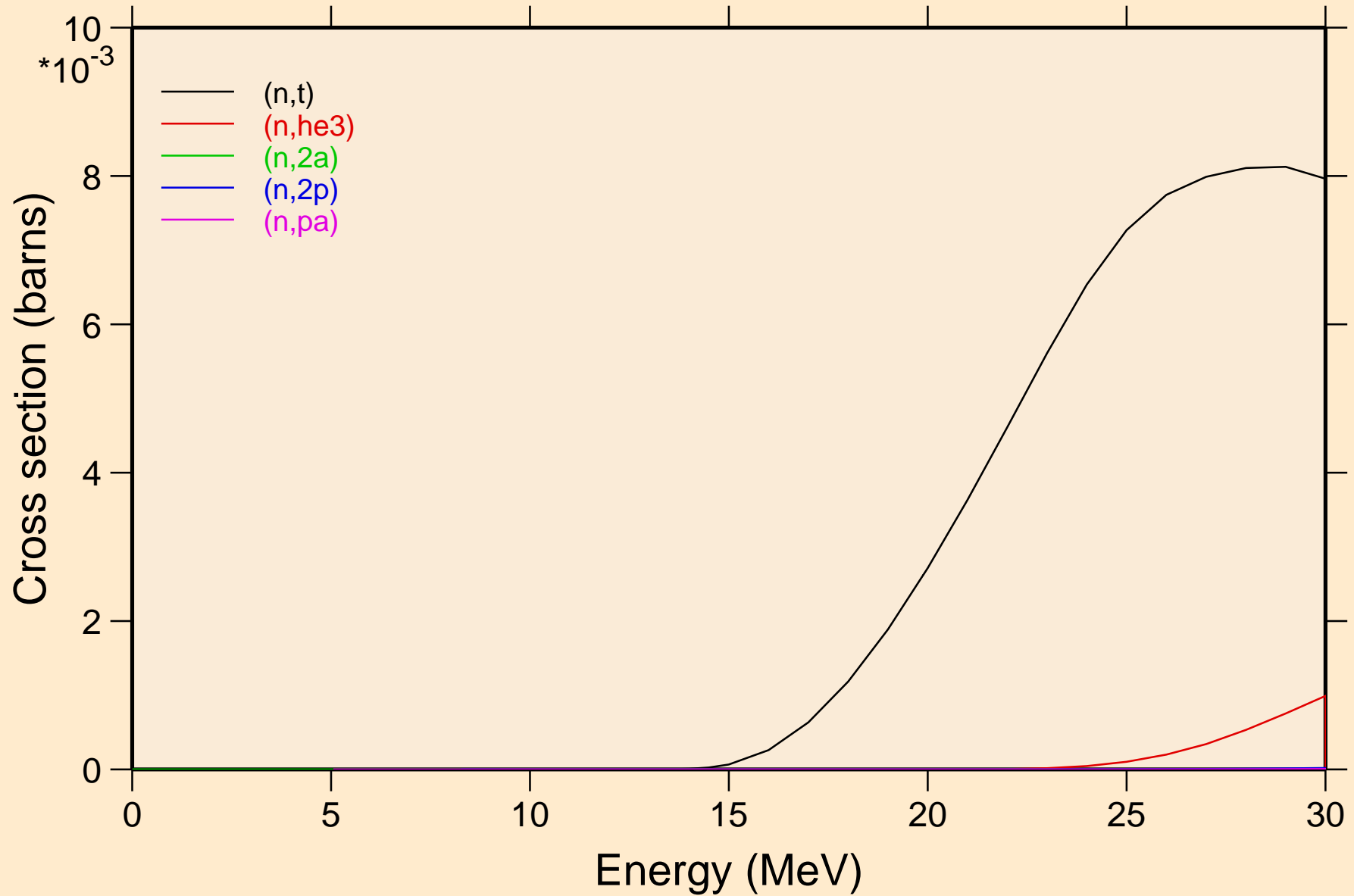
# SN117 NRG TENDL-2015, AKONING

## Threshold reactions



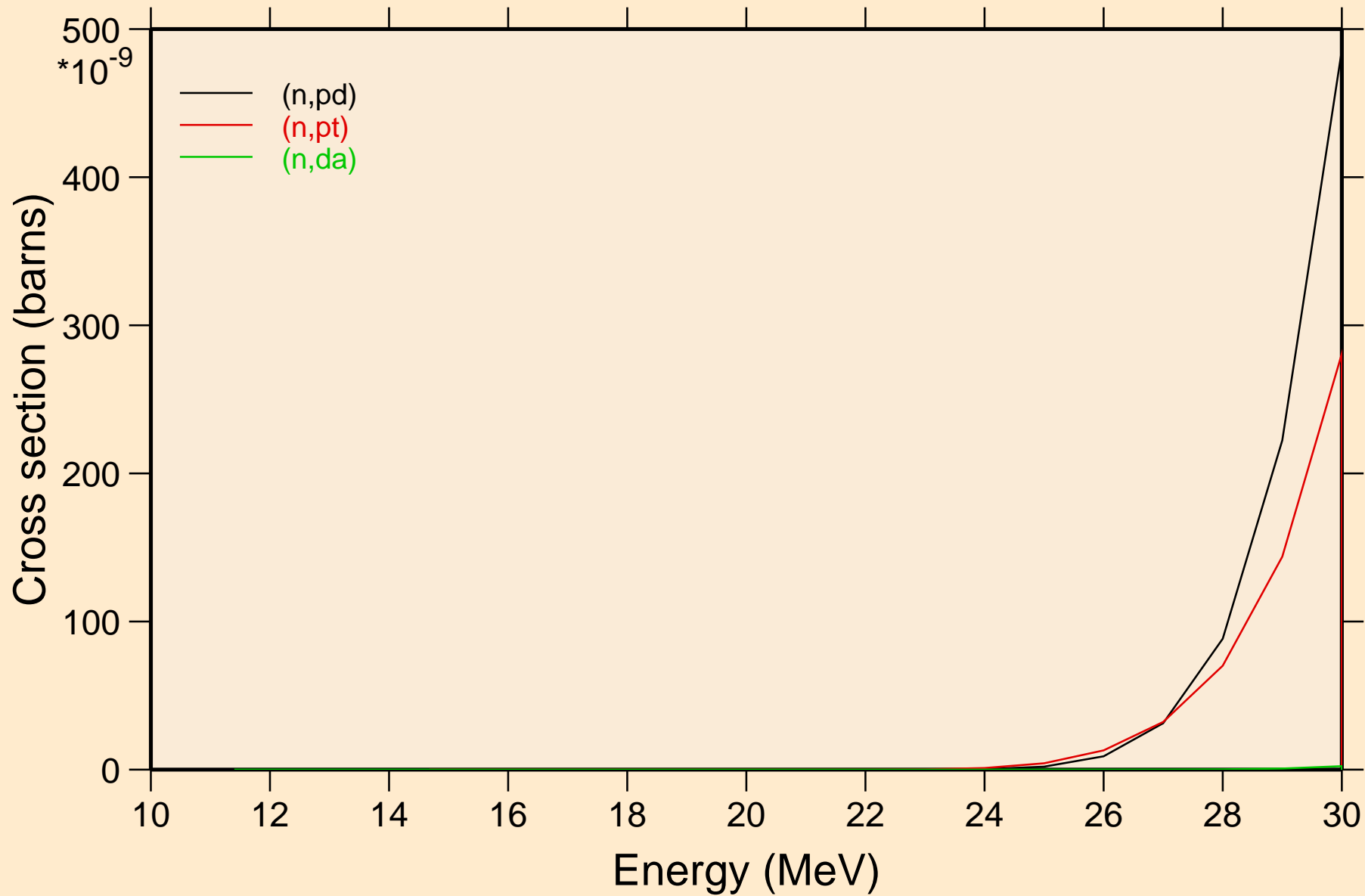
# SN117 NRG TENDL-2015, AKONING

## Threshold reactions



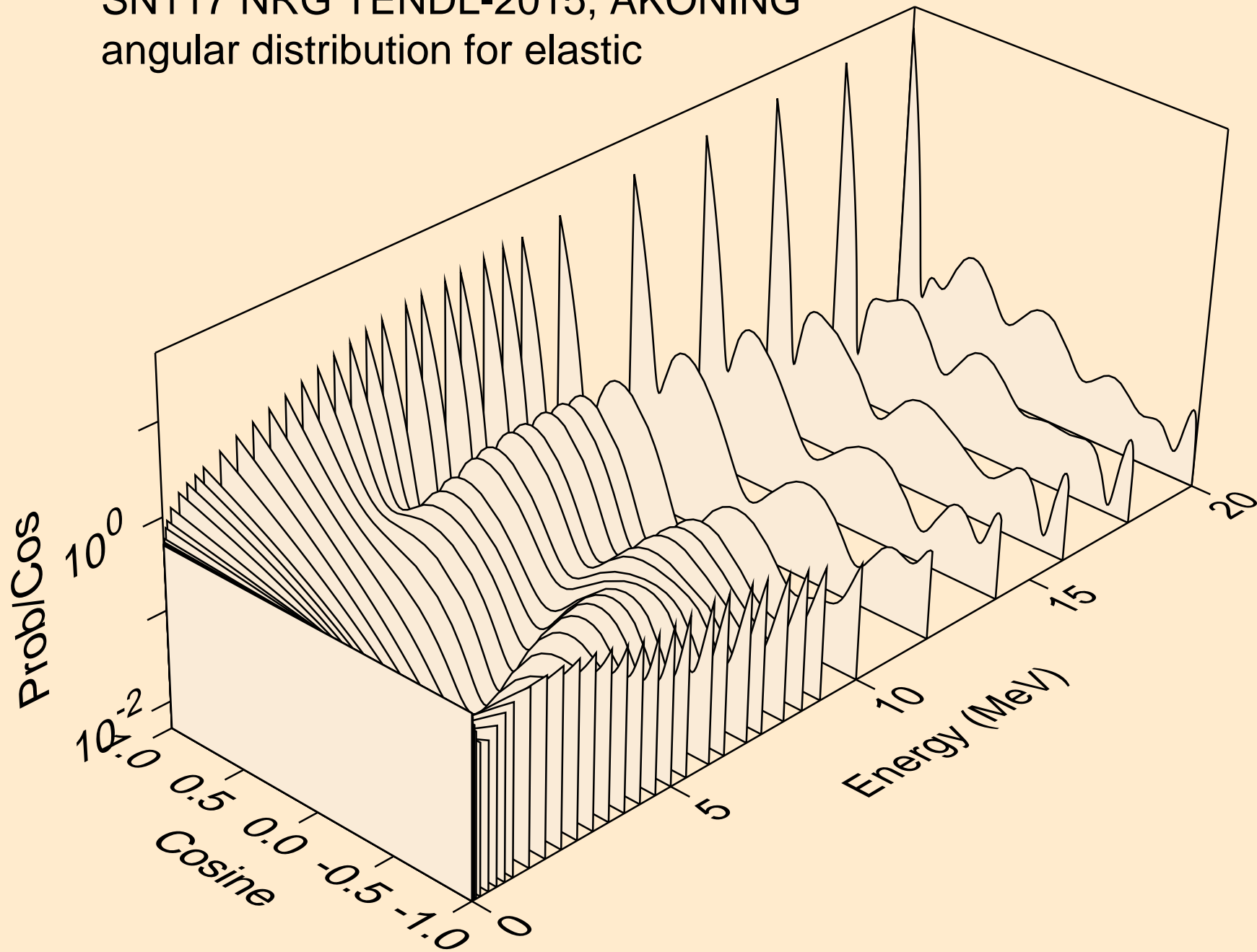
# SN117 NRG TENDL-2015, AKONING

## Threshold reactions

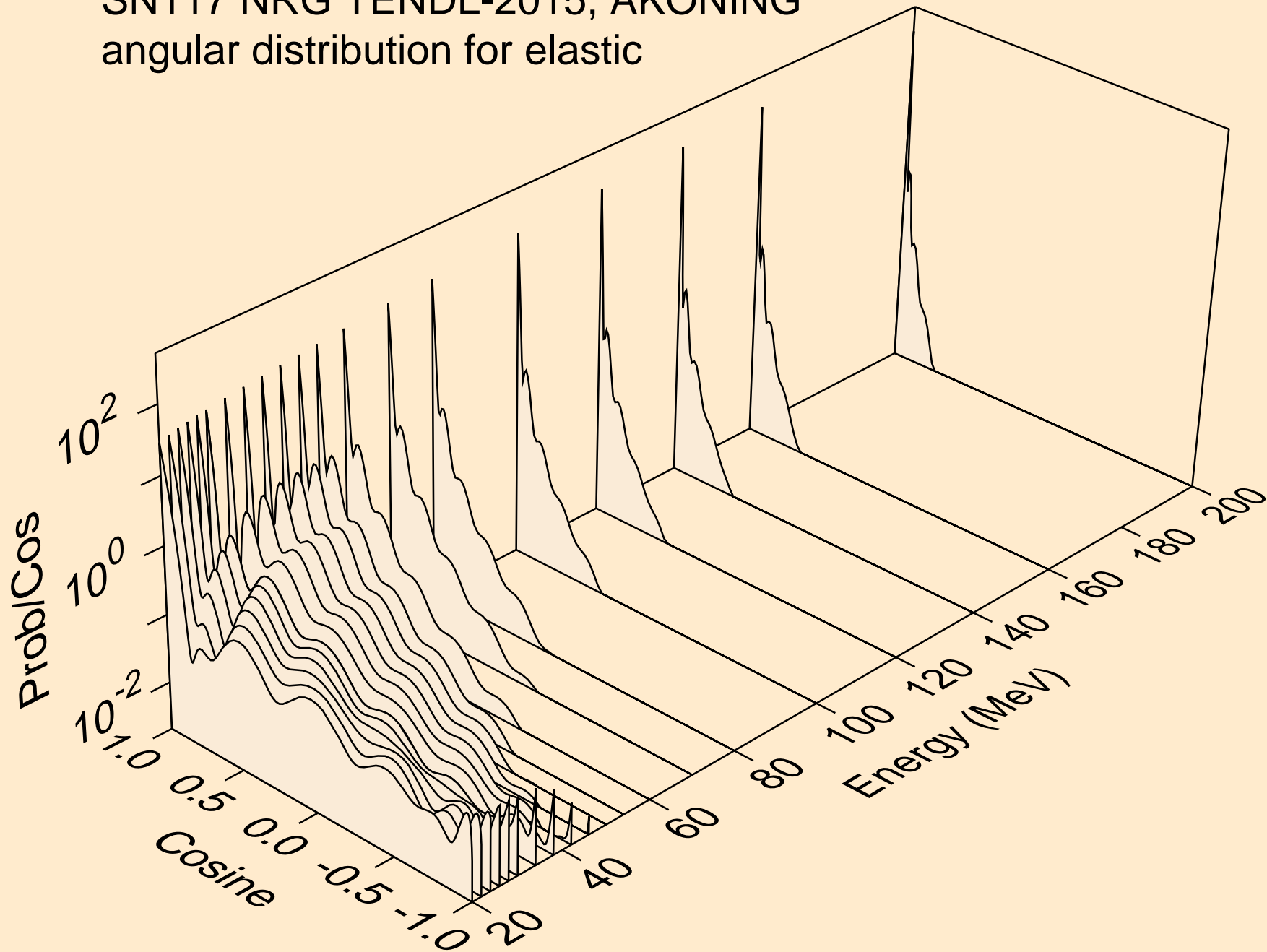




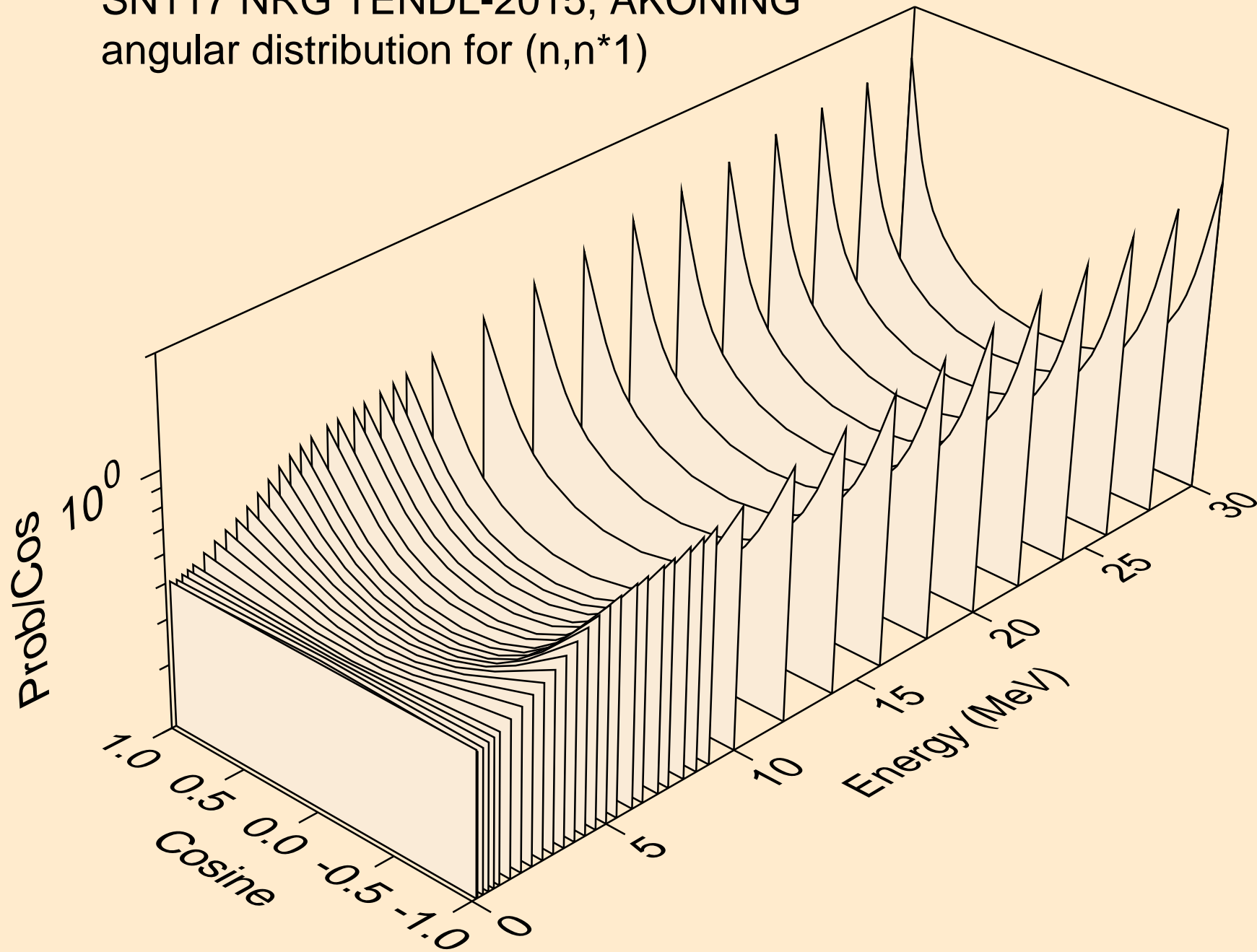
SN117 NRG TENDL-2015, AKONING  
angular distribution for elastic



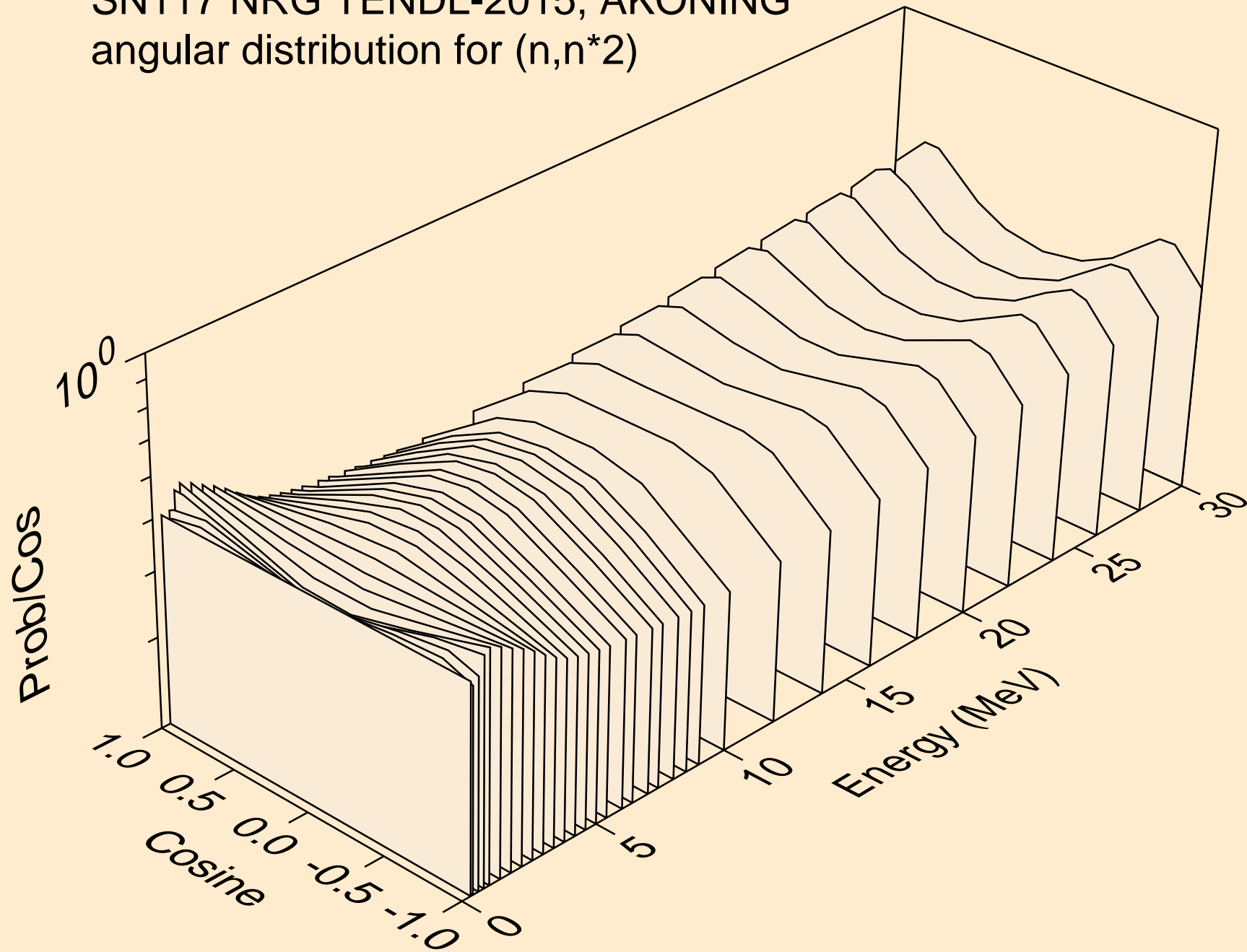
SN117 NRG TENDL-2015, AKONING  
angular distribution for elastic



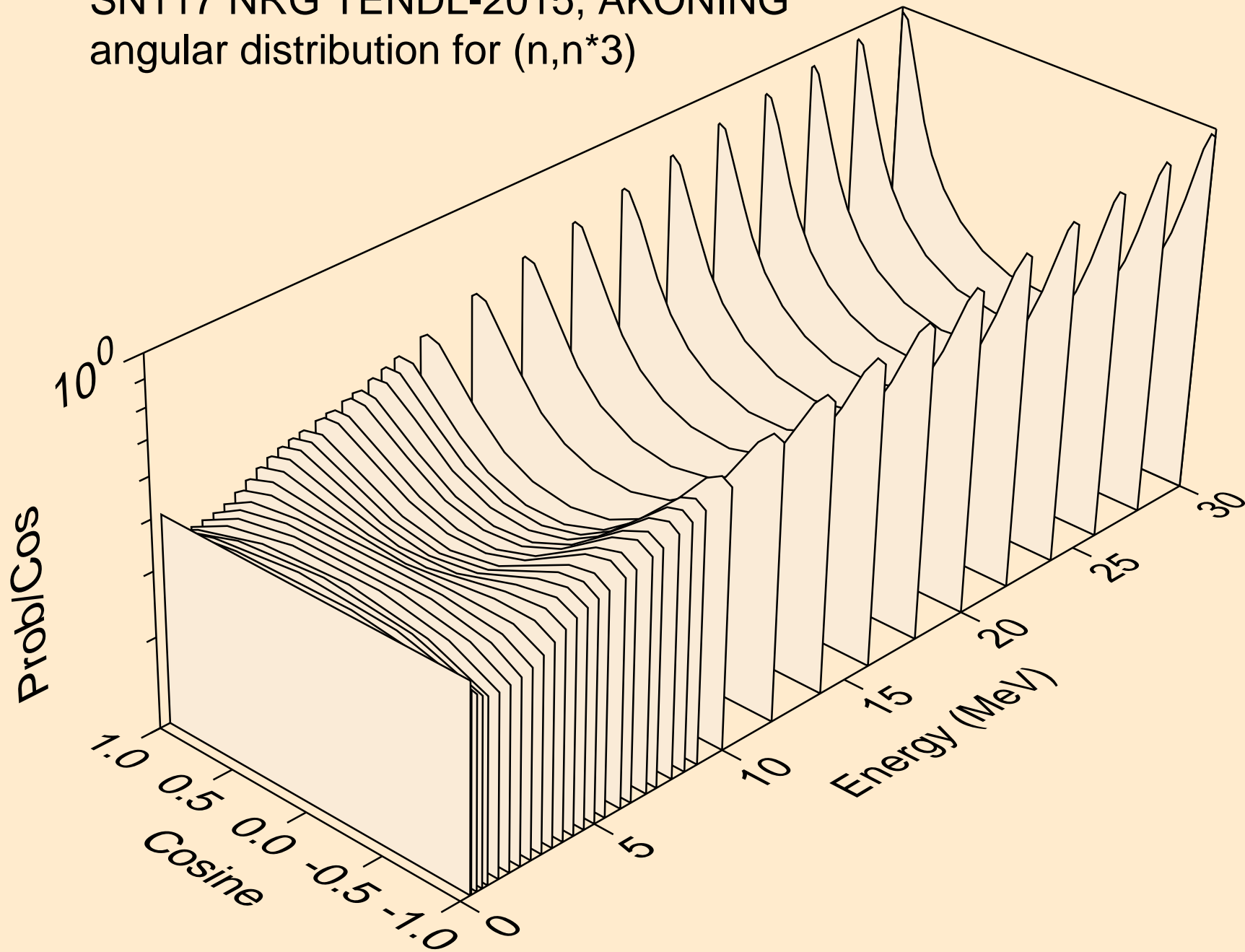
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



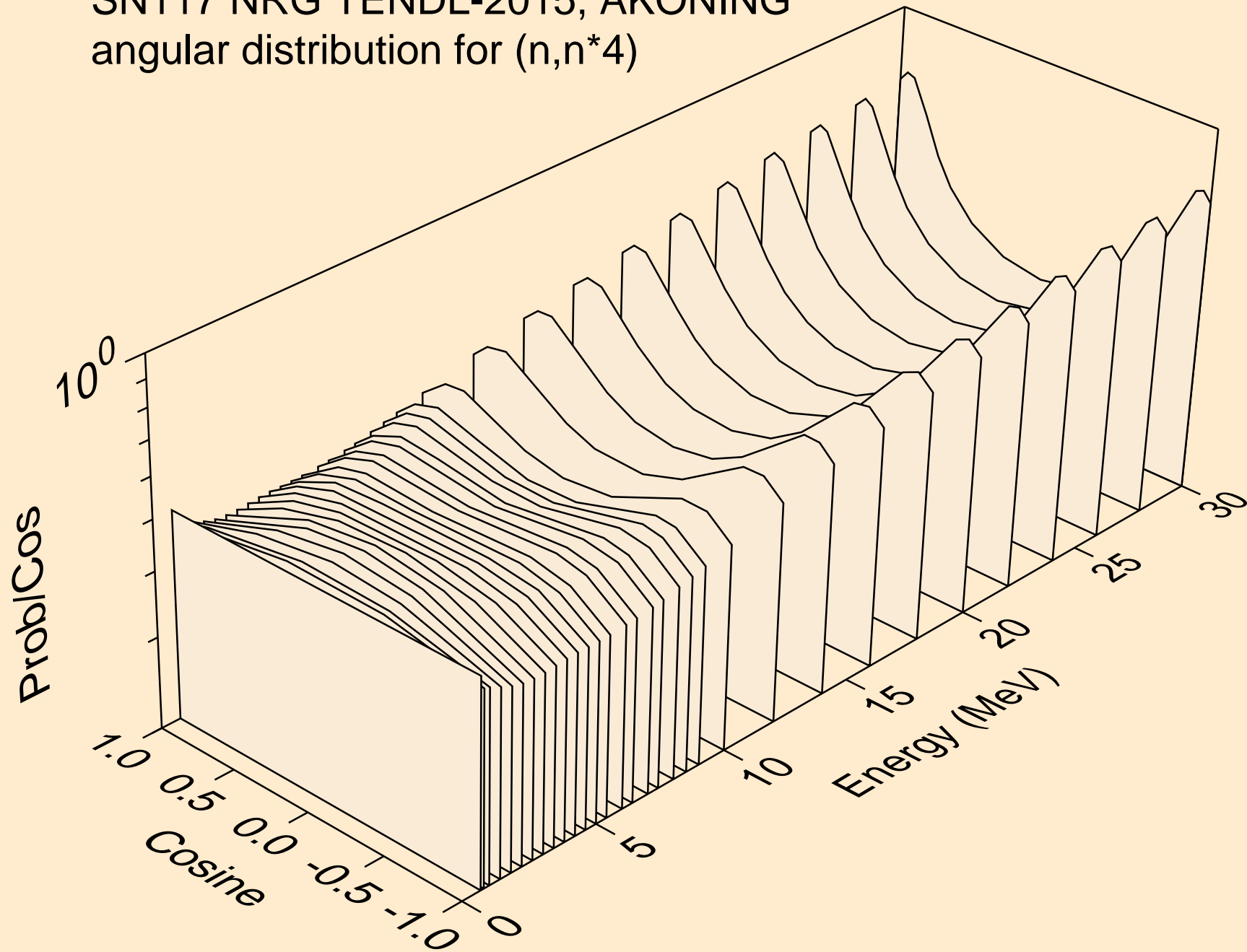
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



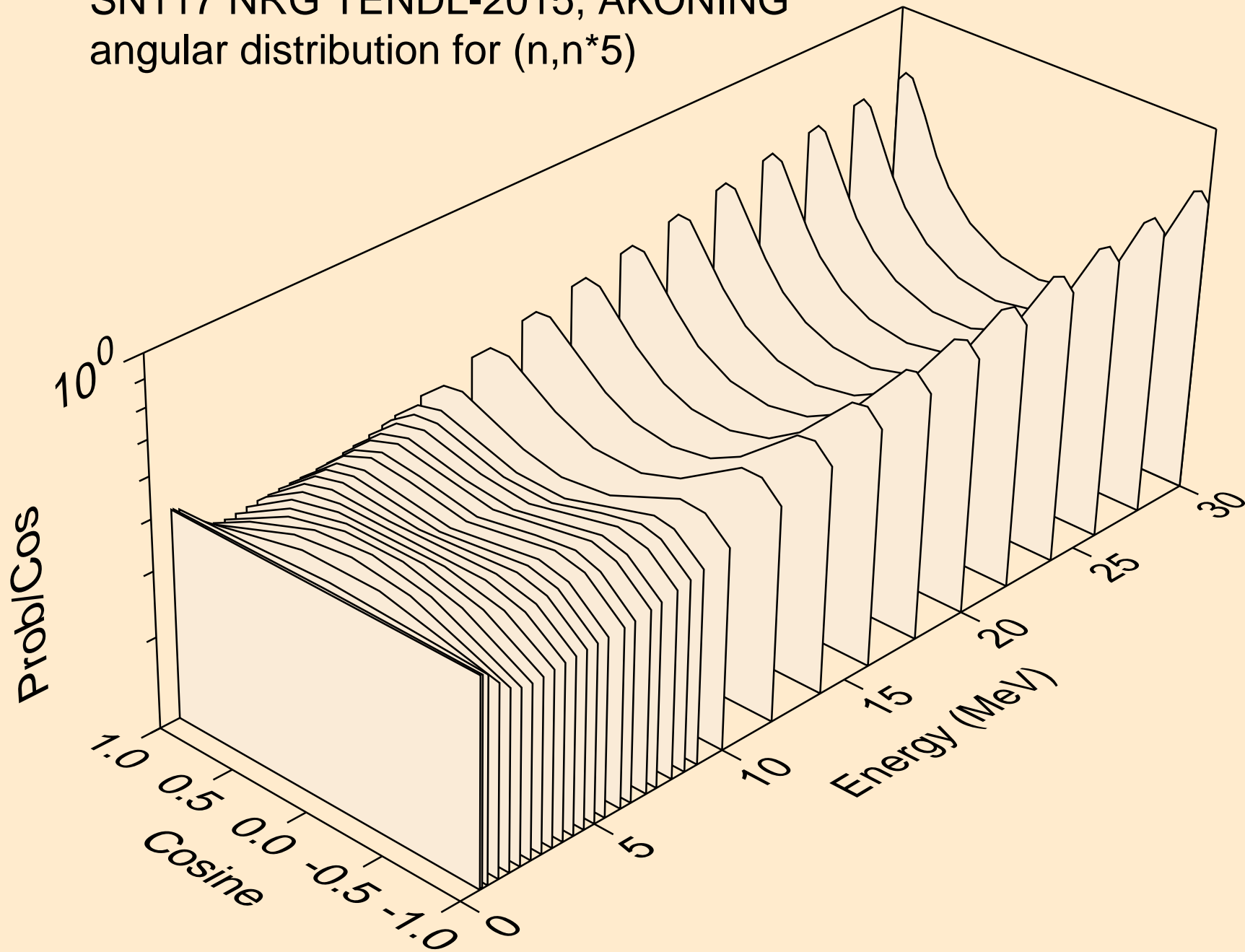
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



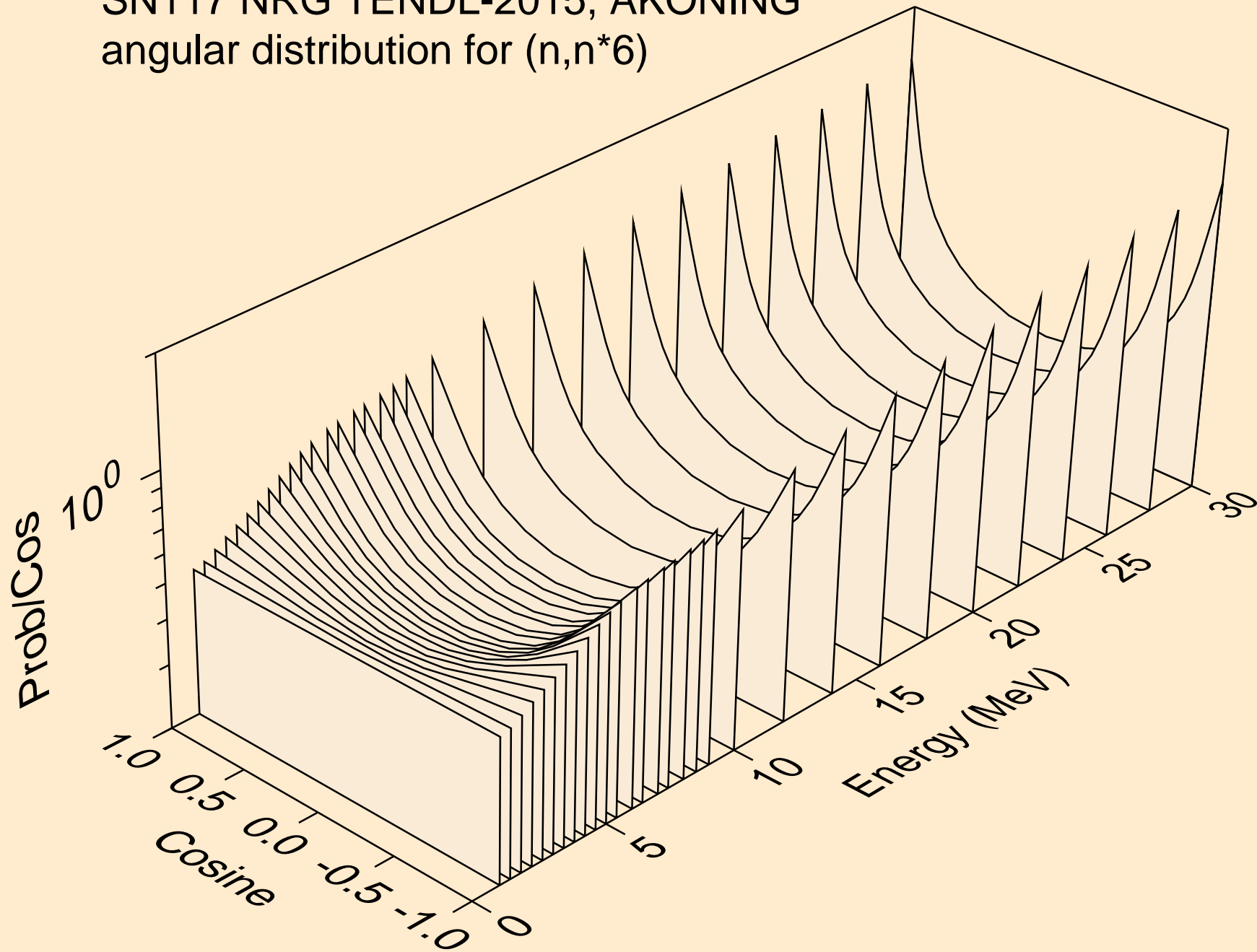
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

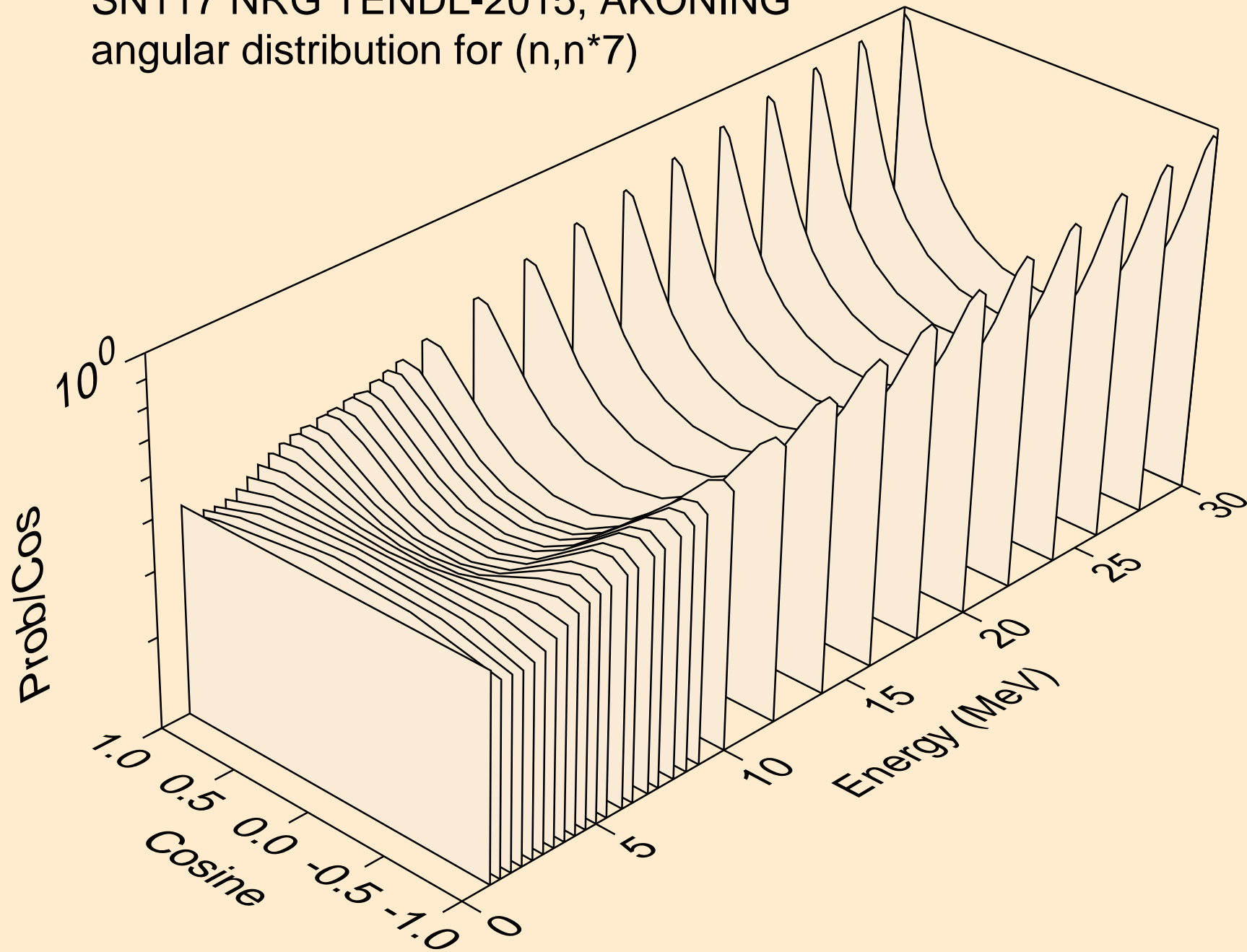


SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

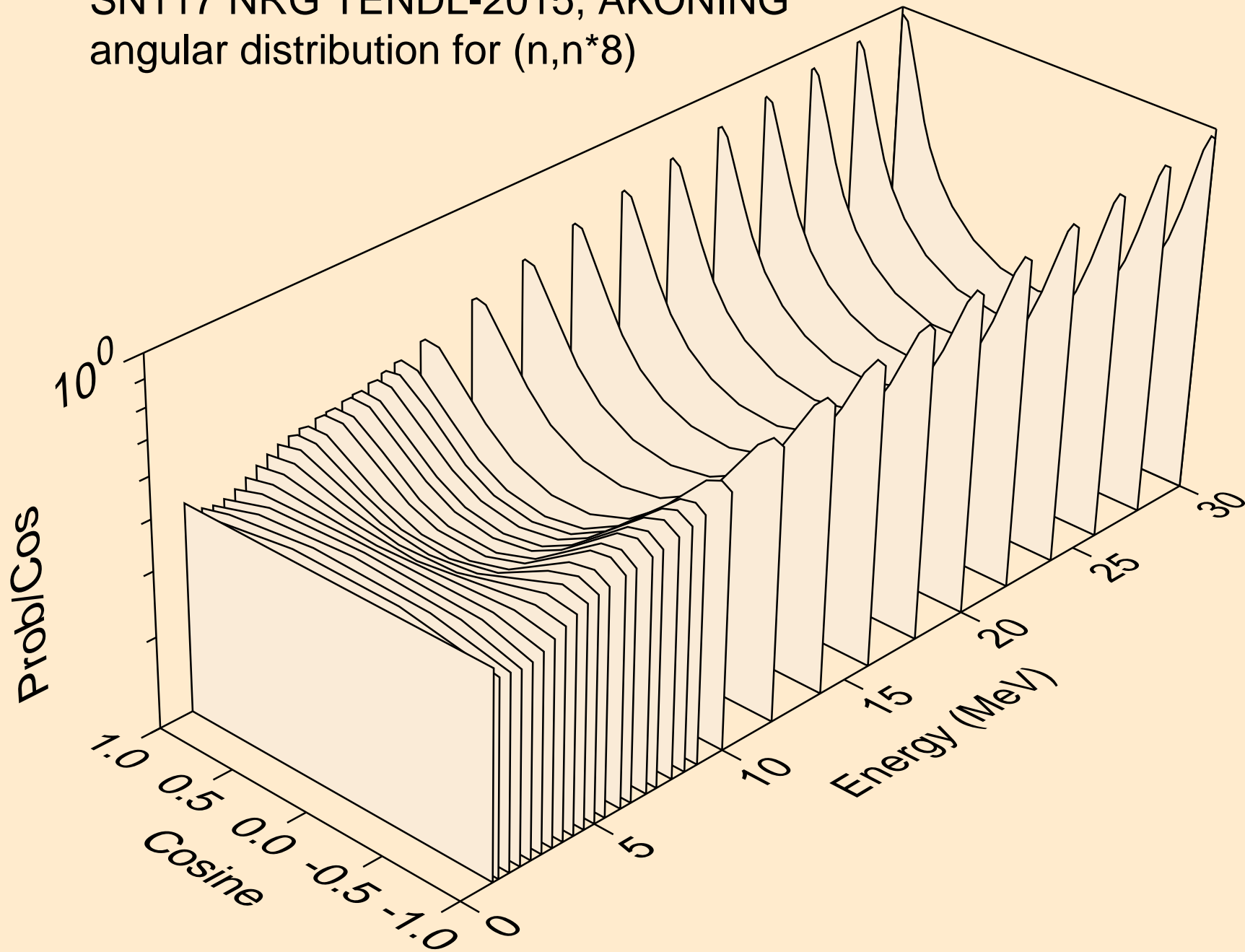




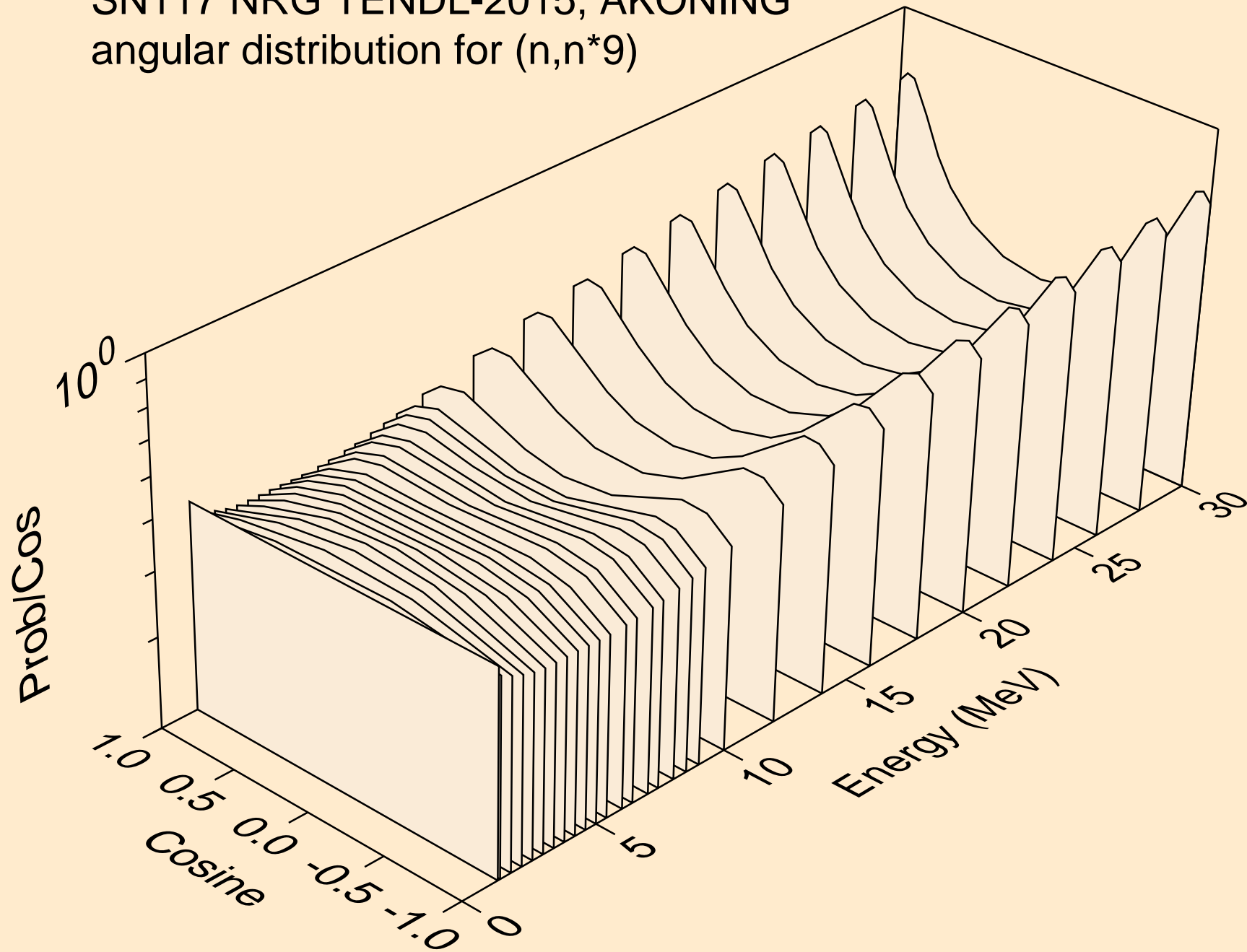
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



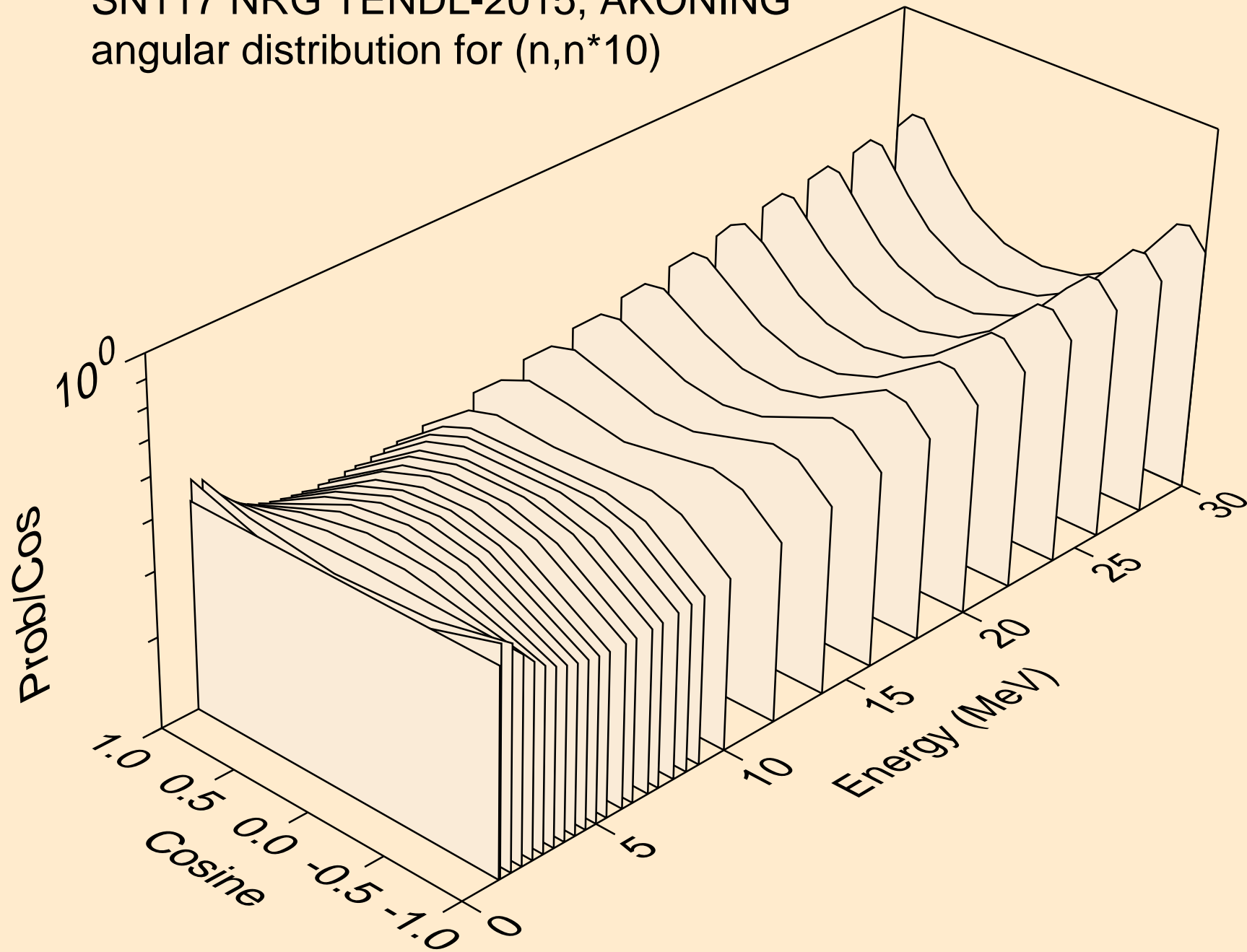
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



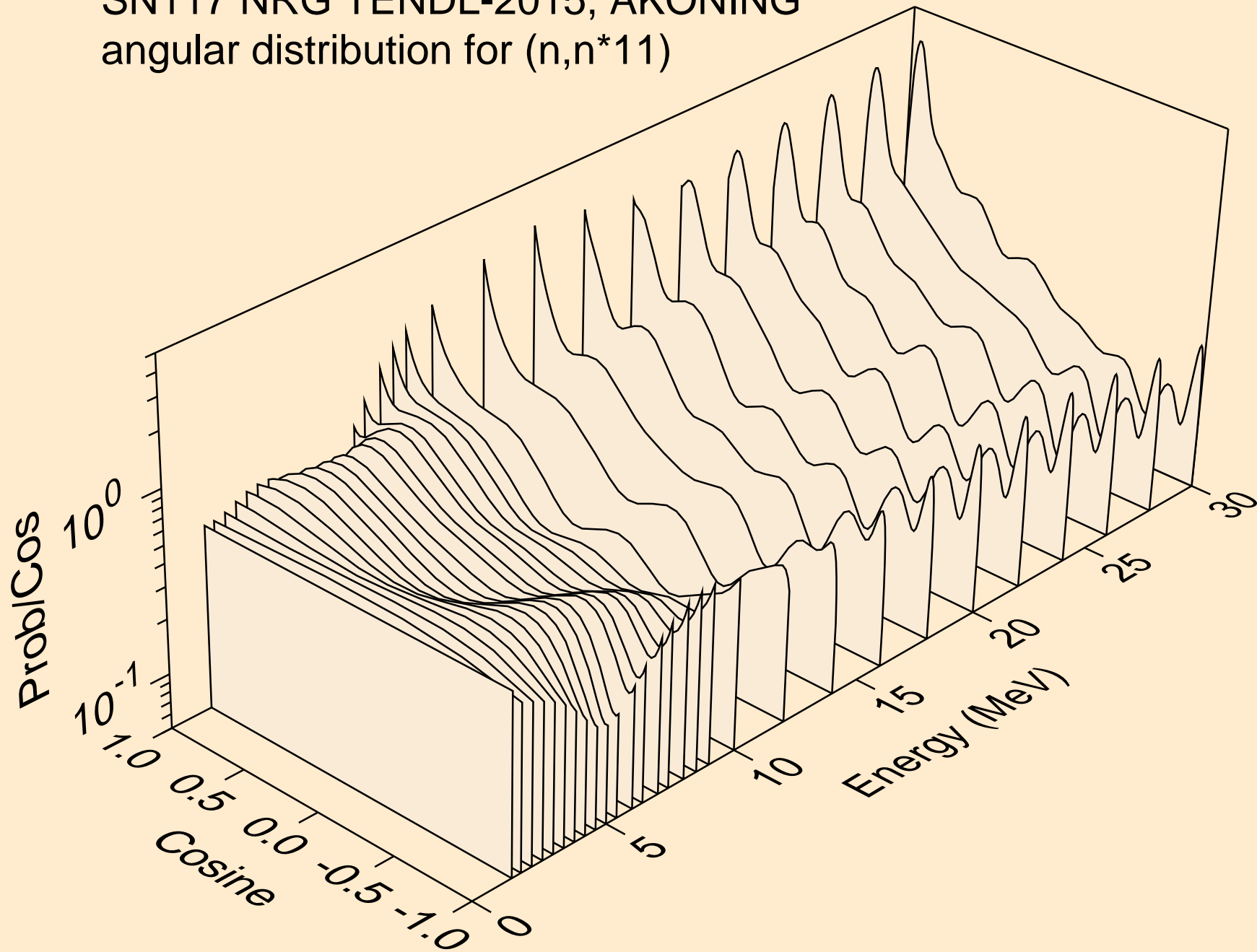
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



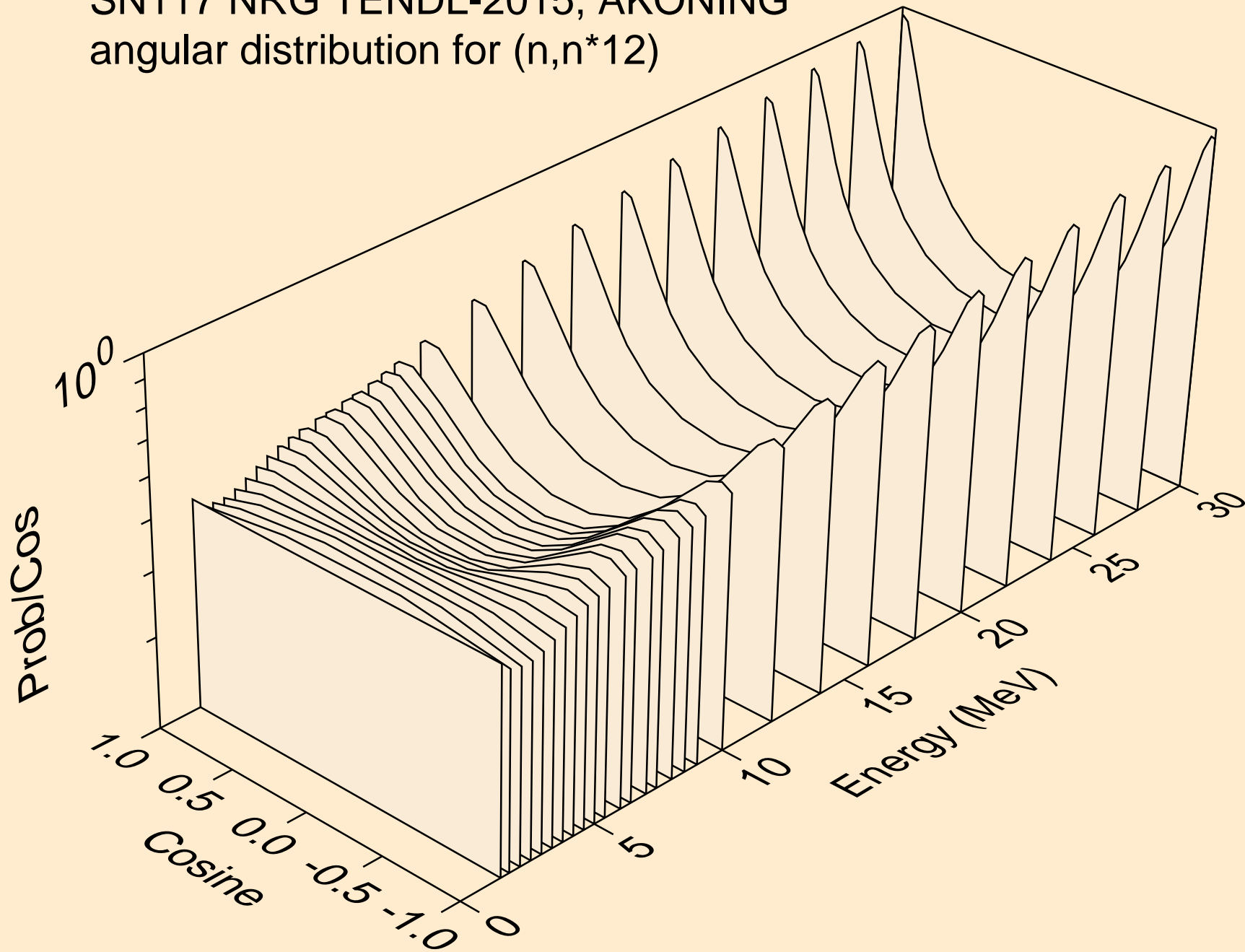
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



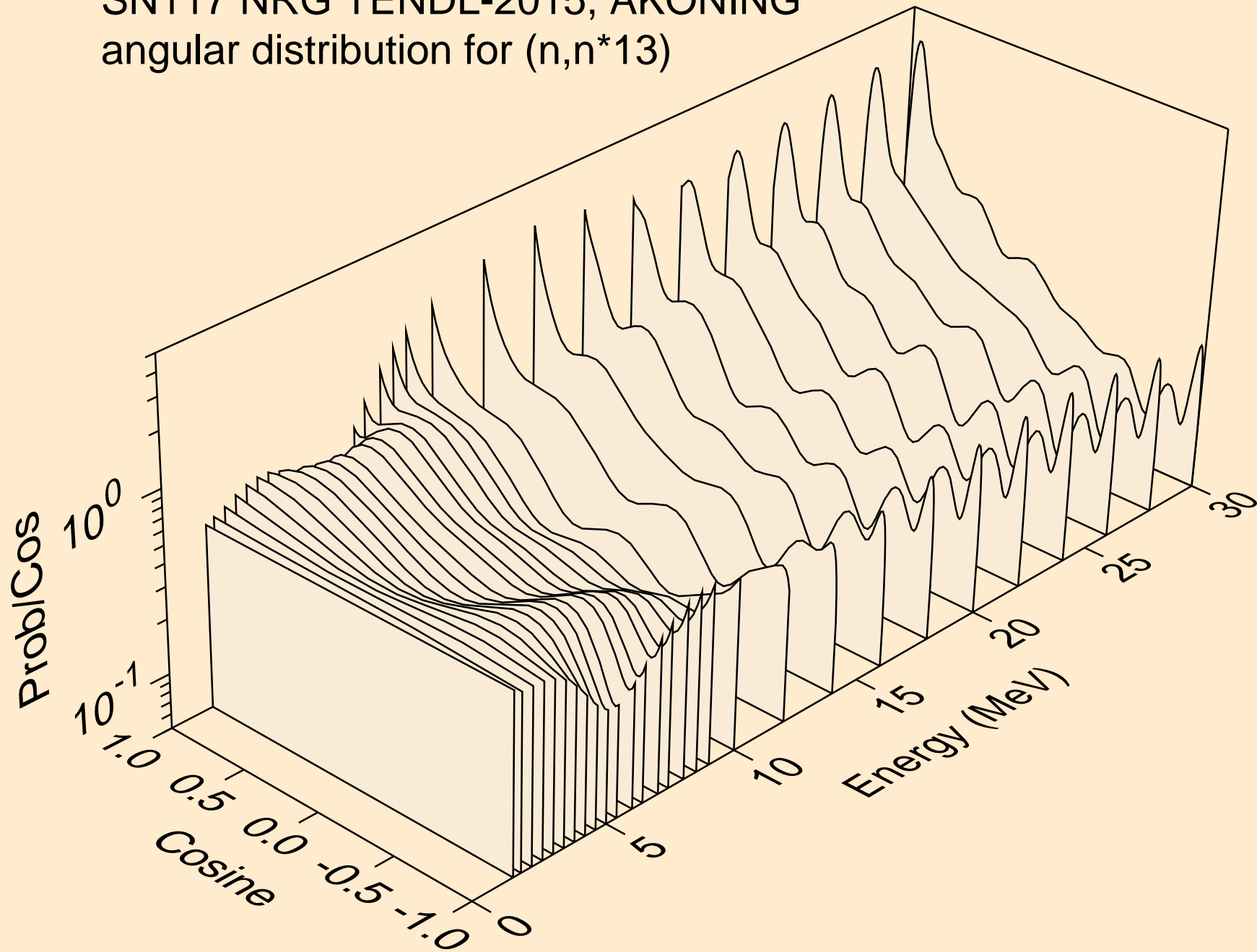
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



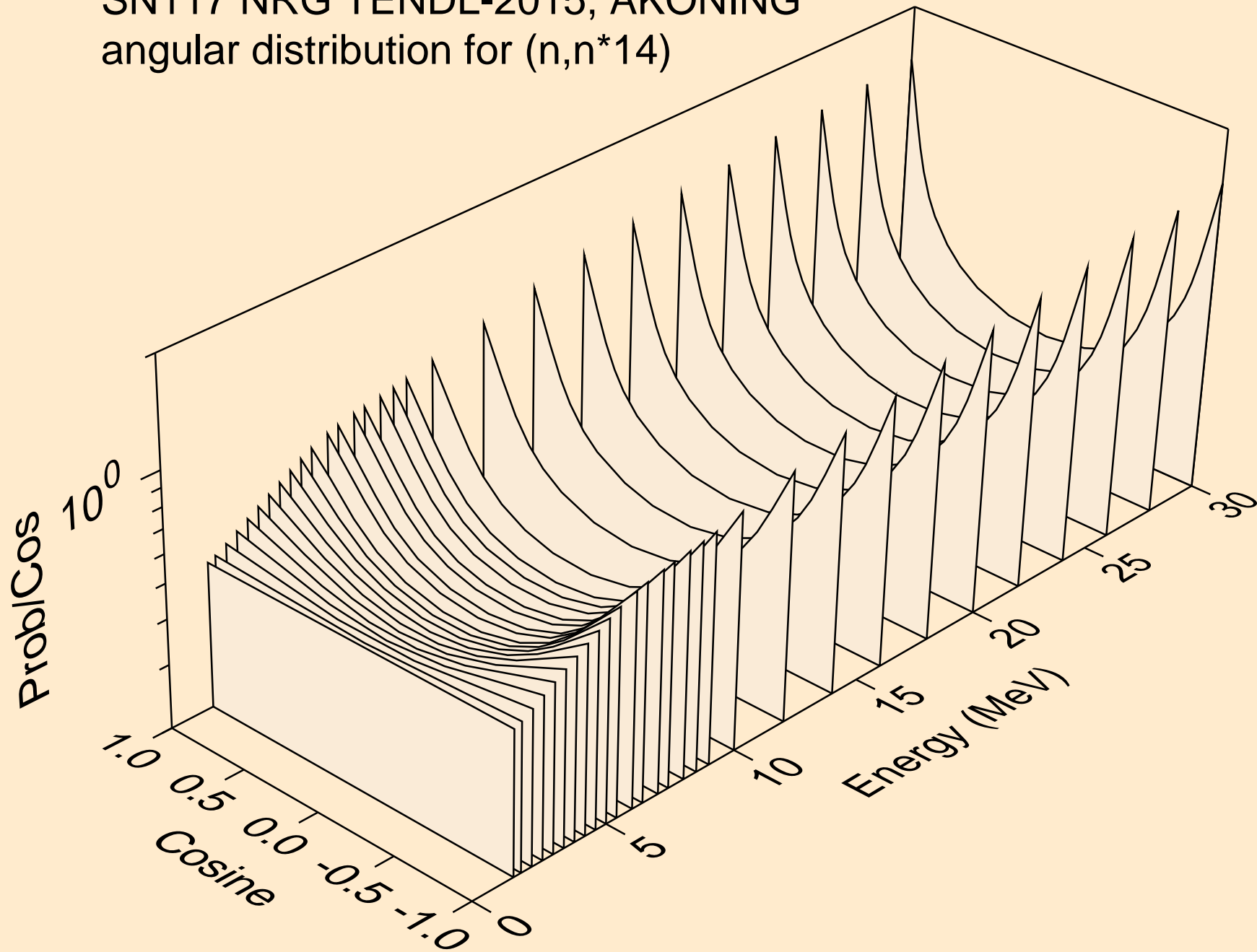
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

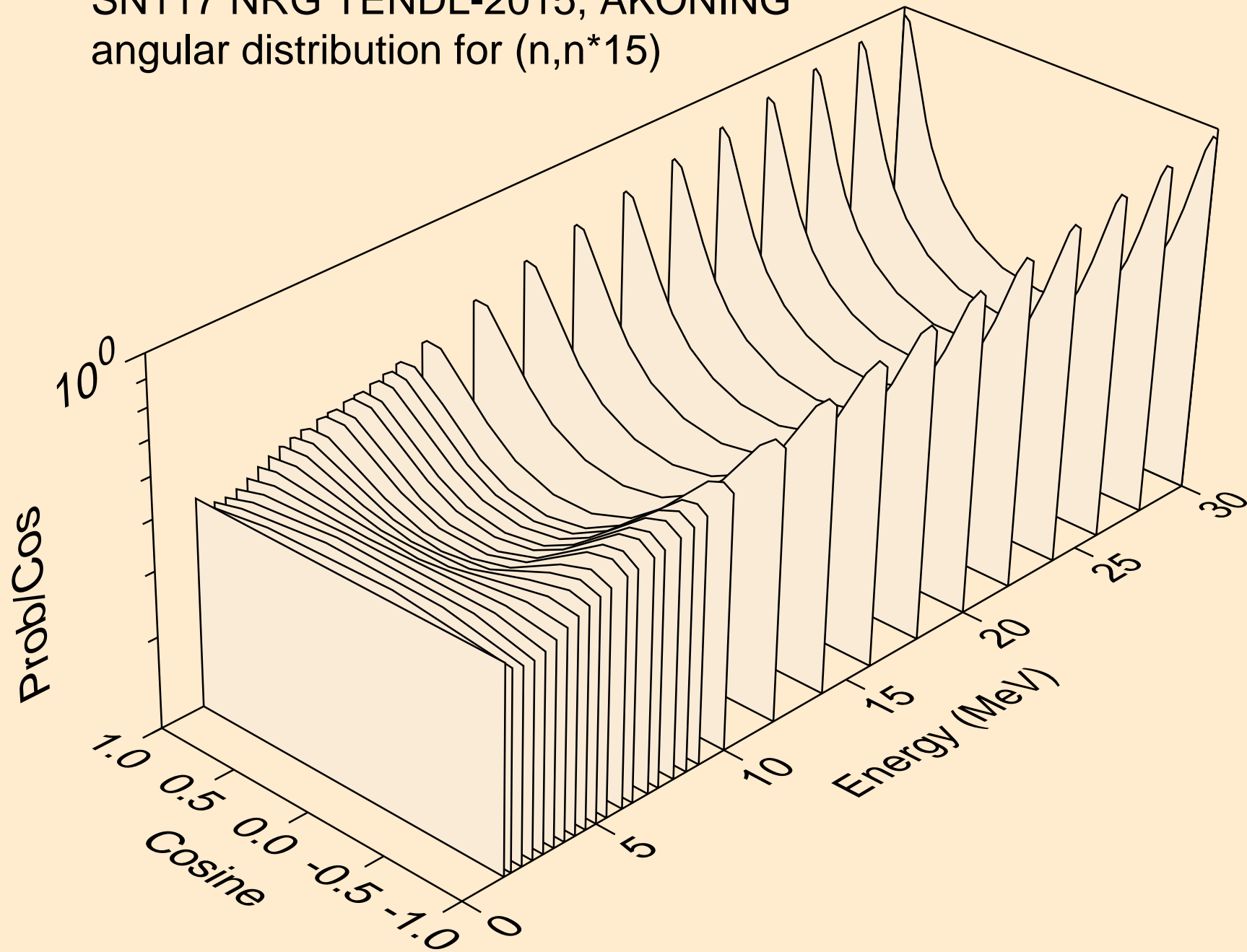


SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

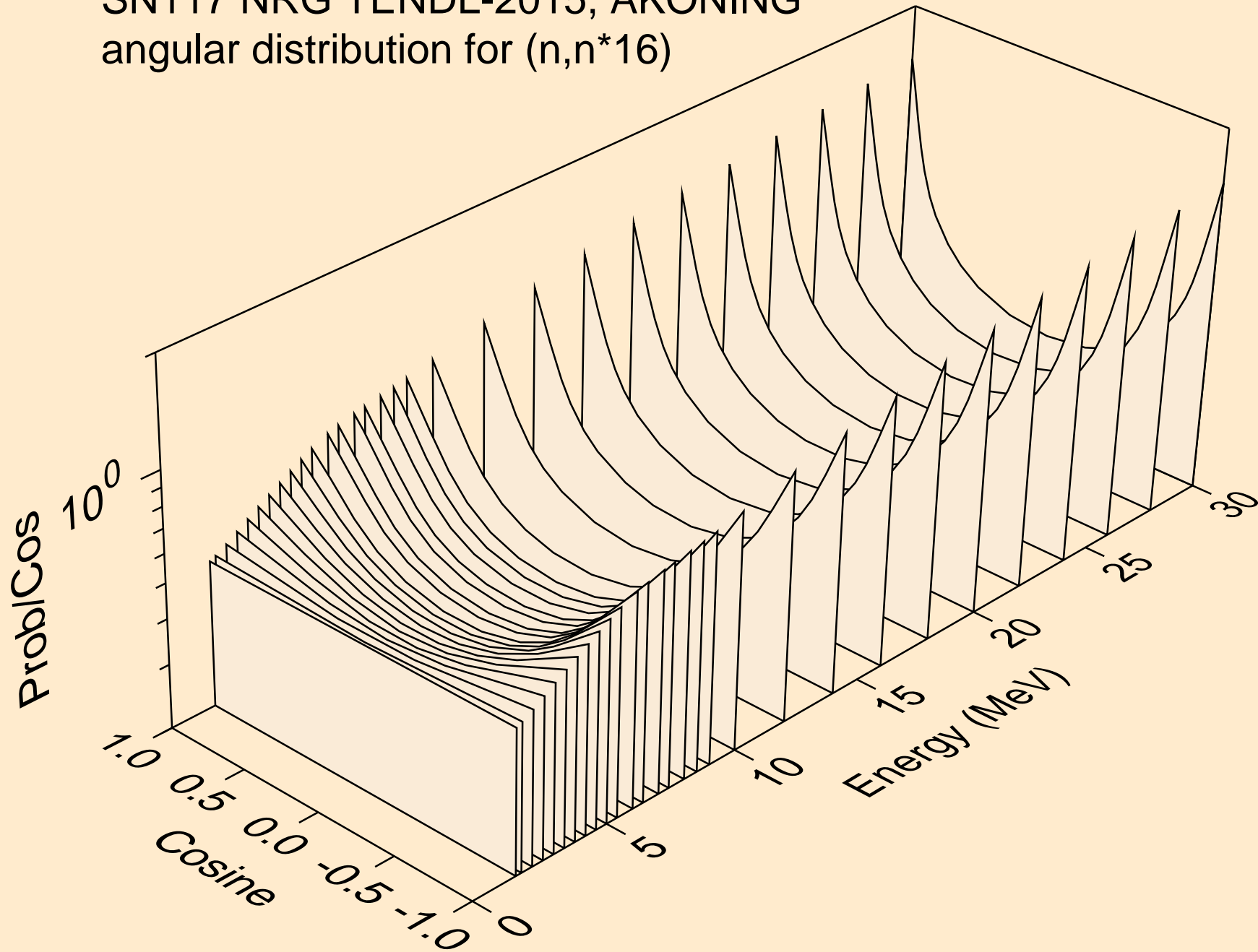




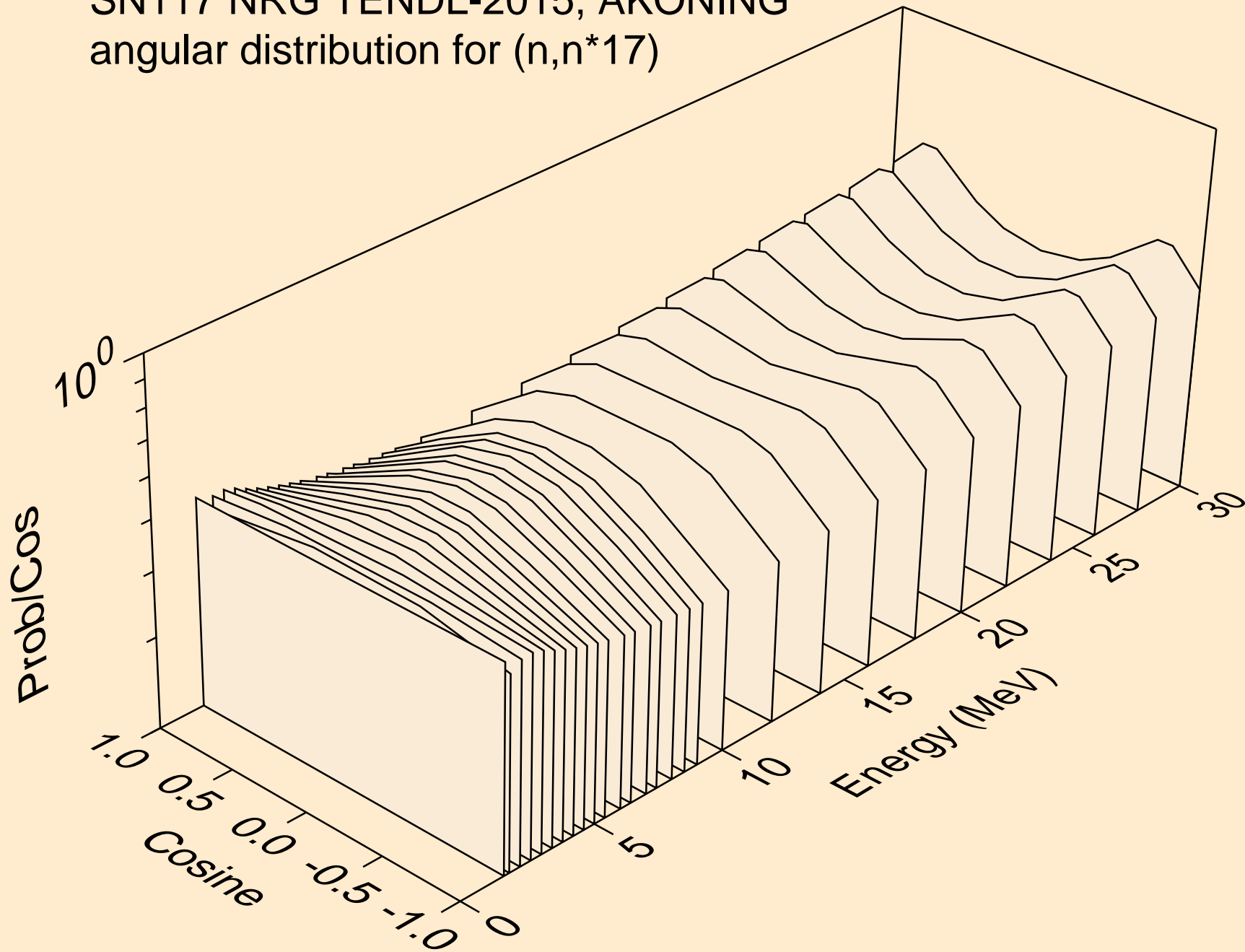
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



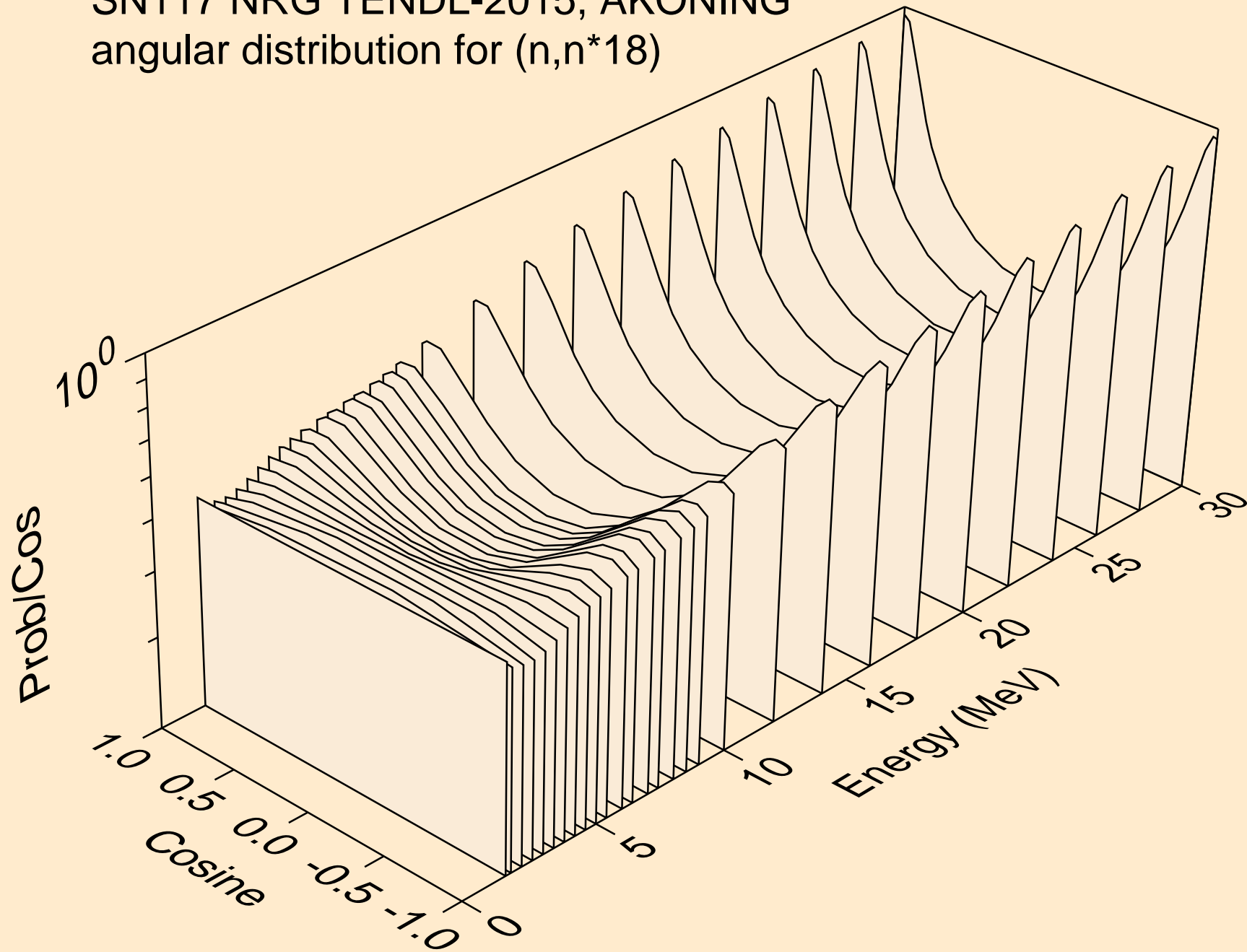
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



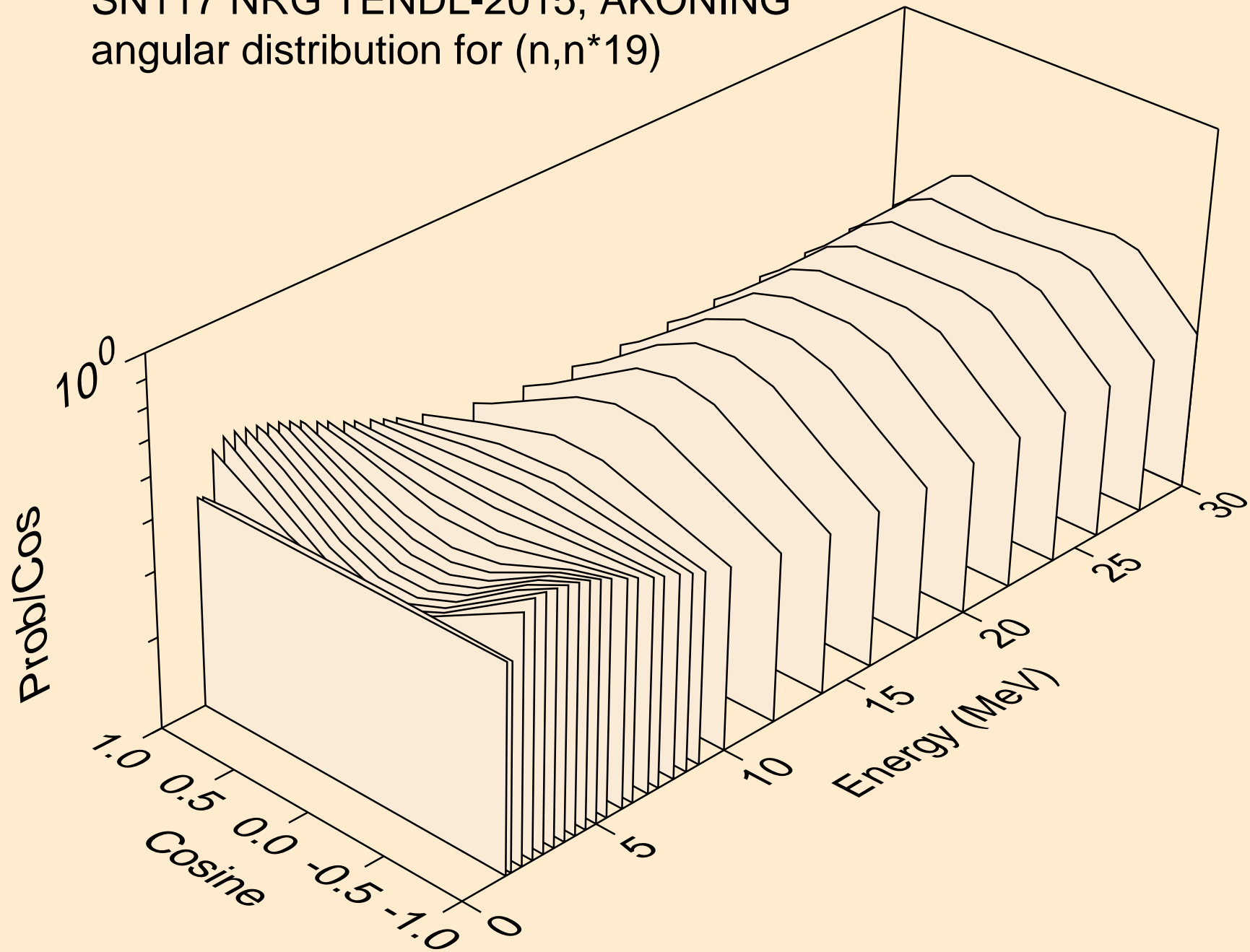
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



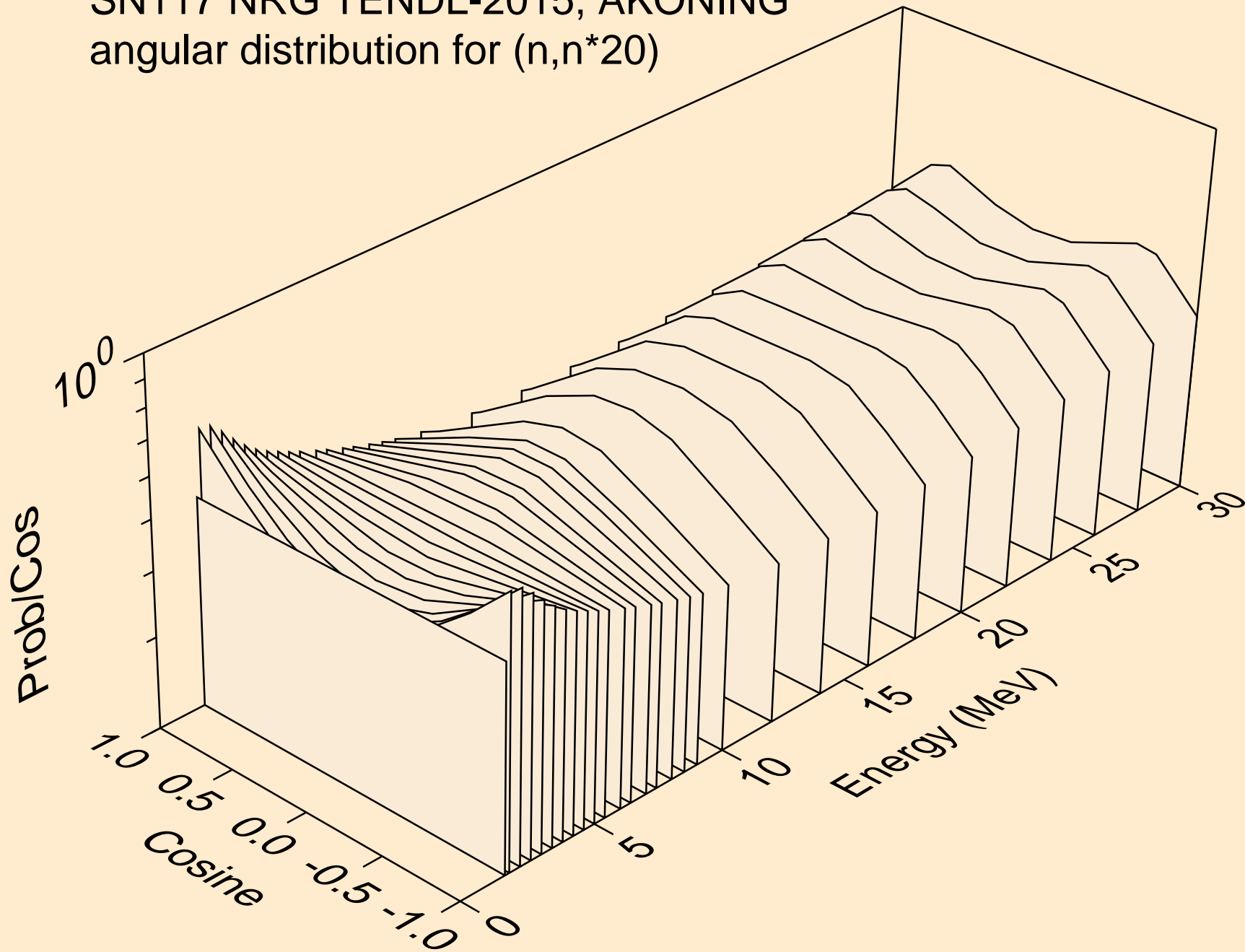
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



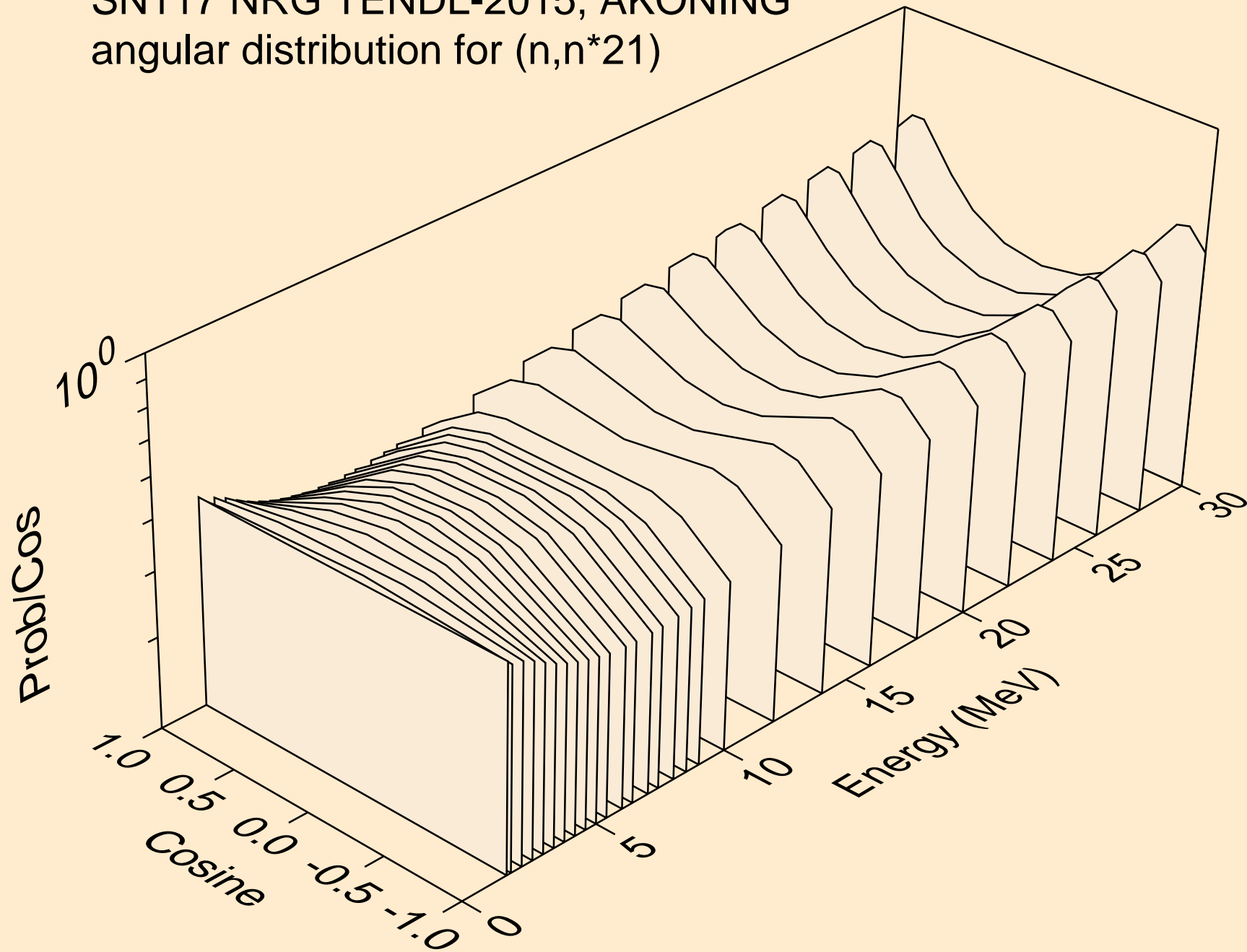
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



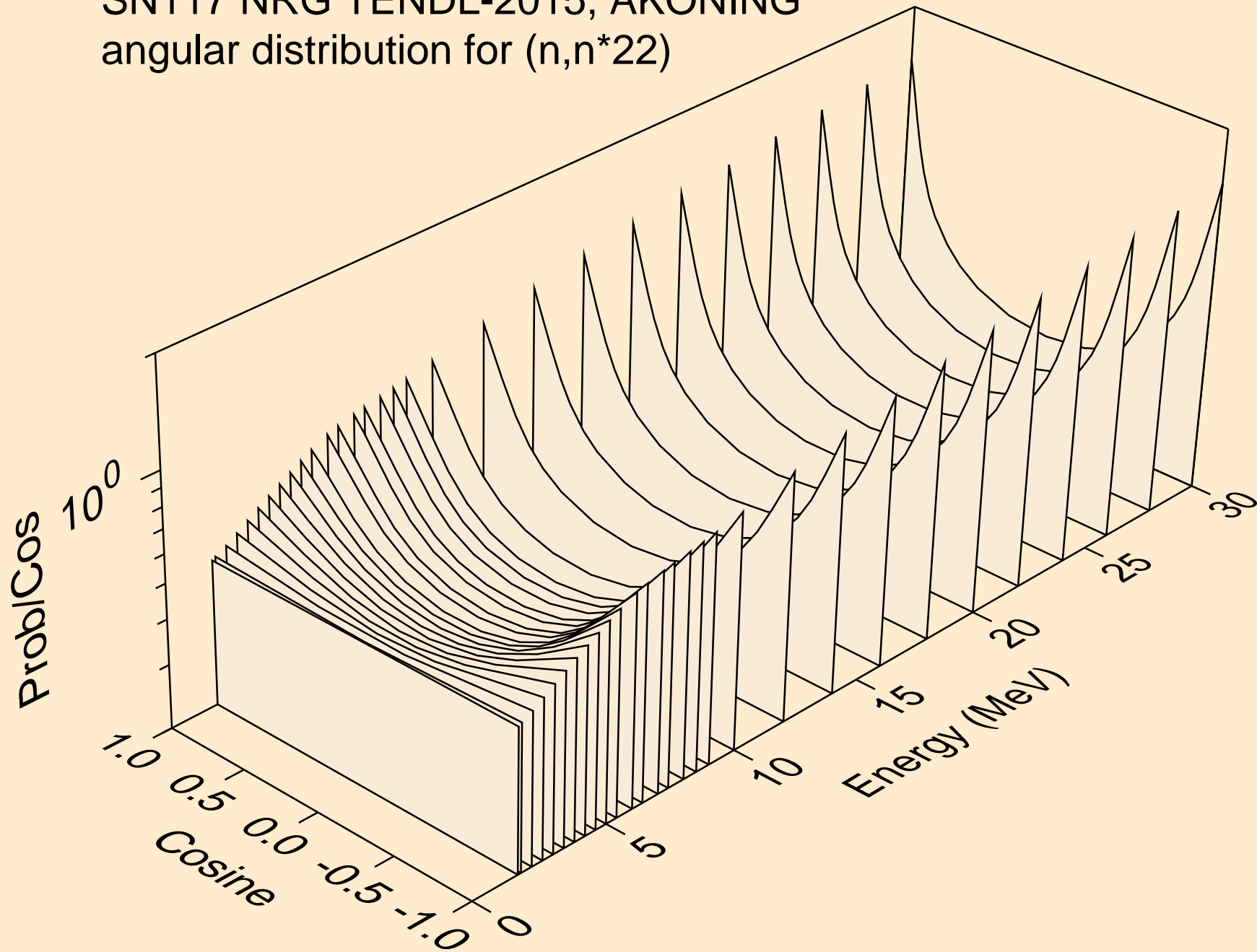
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

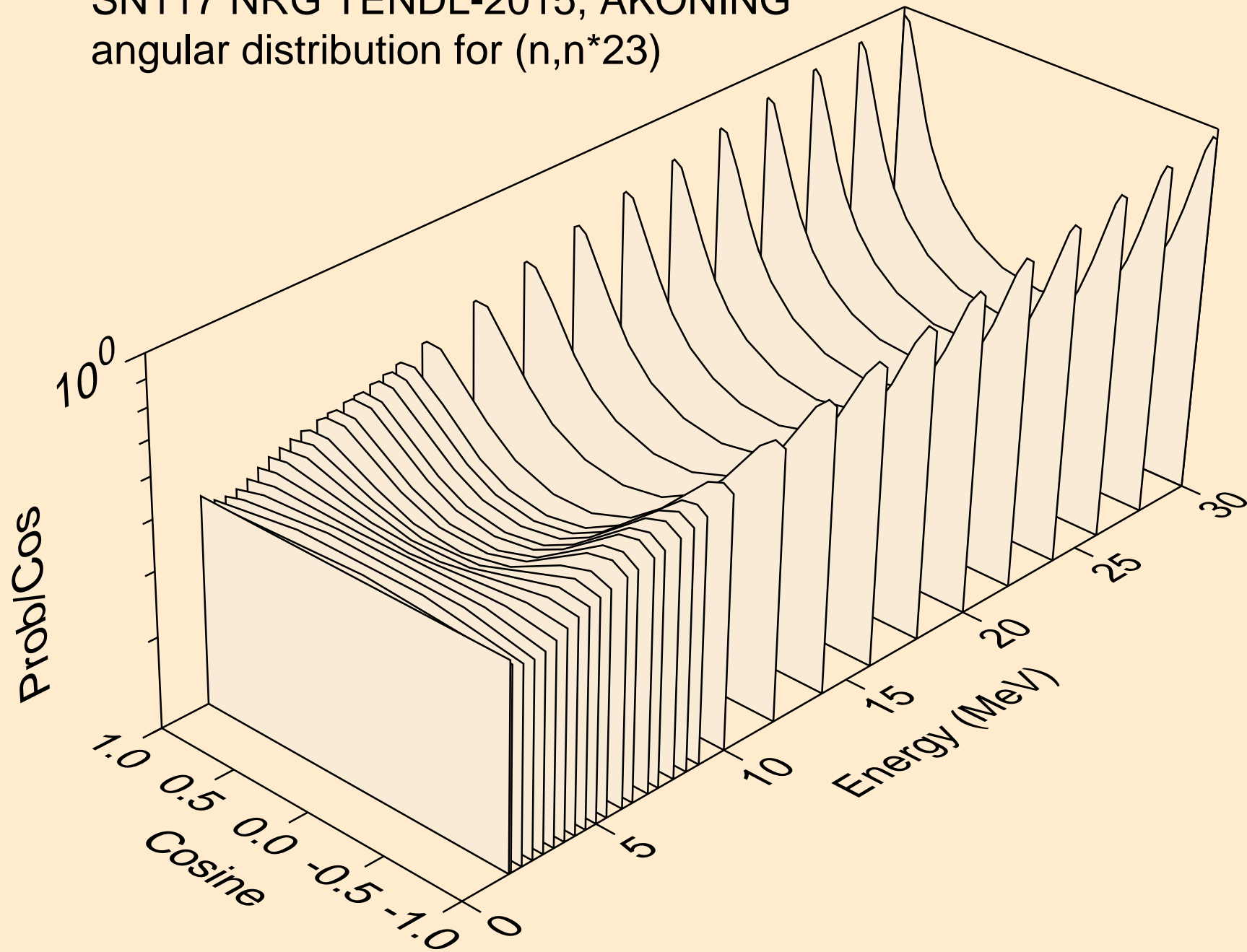


SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

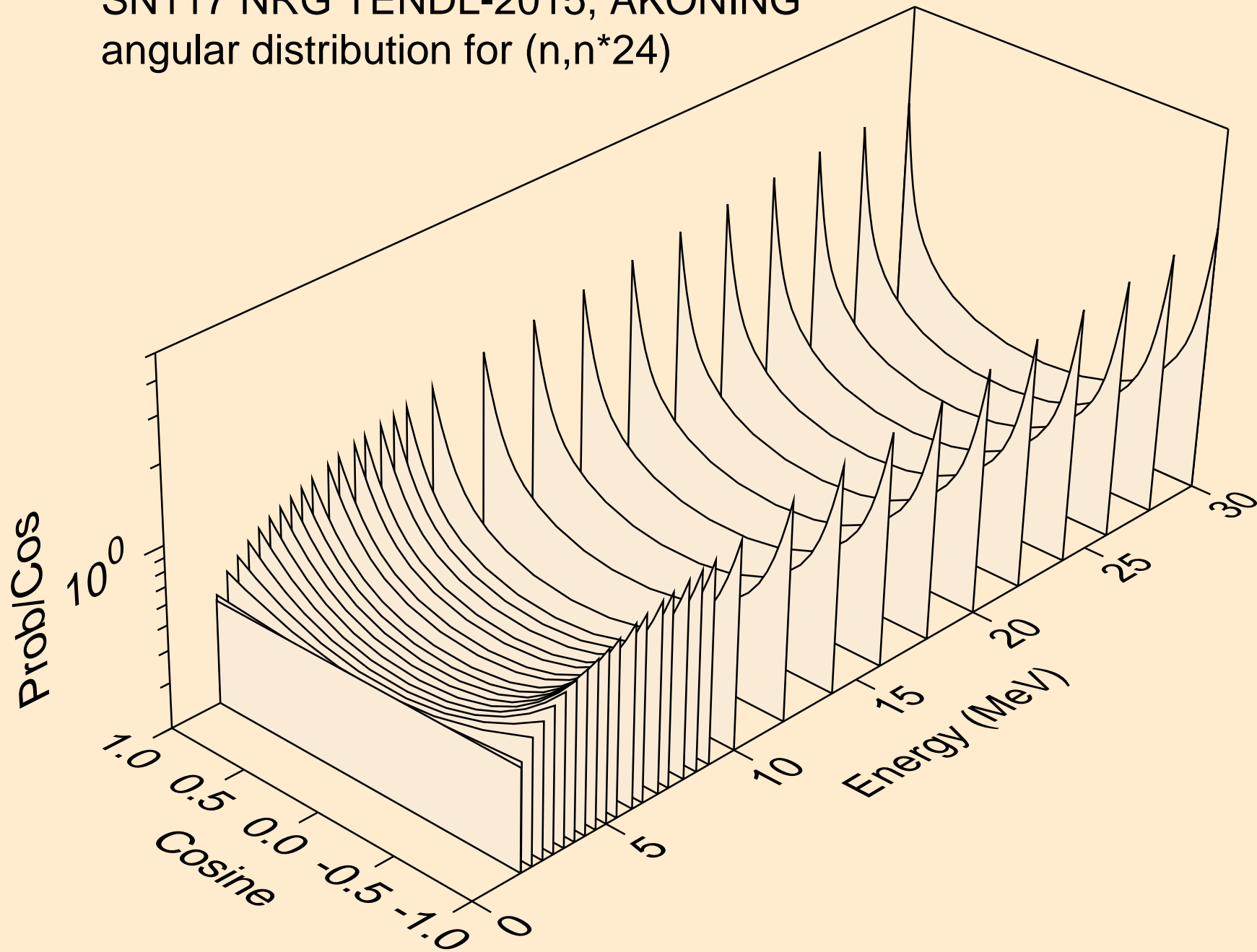




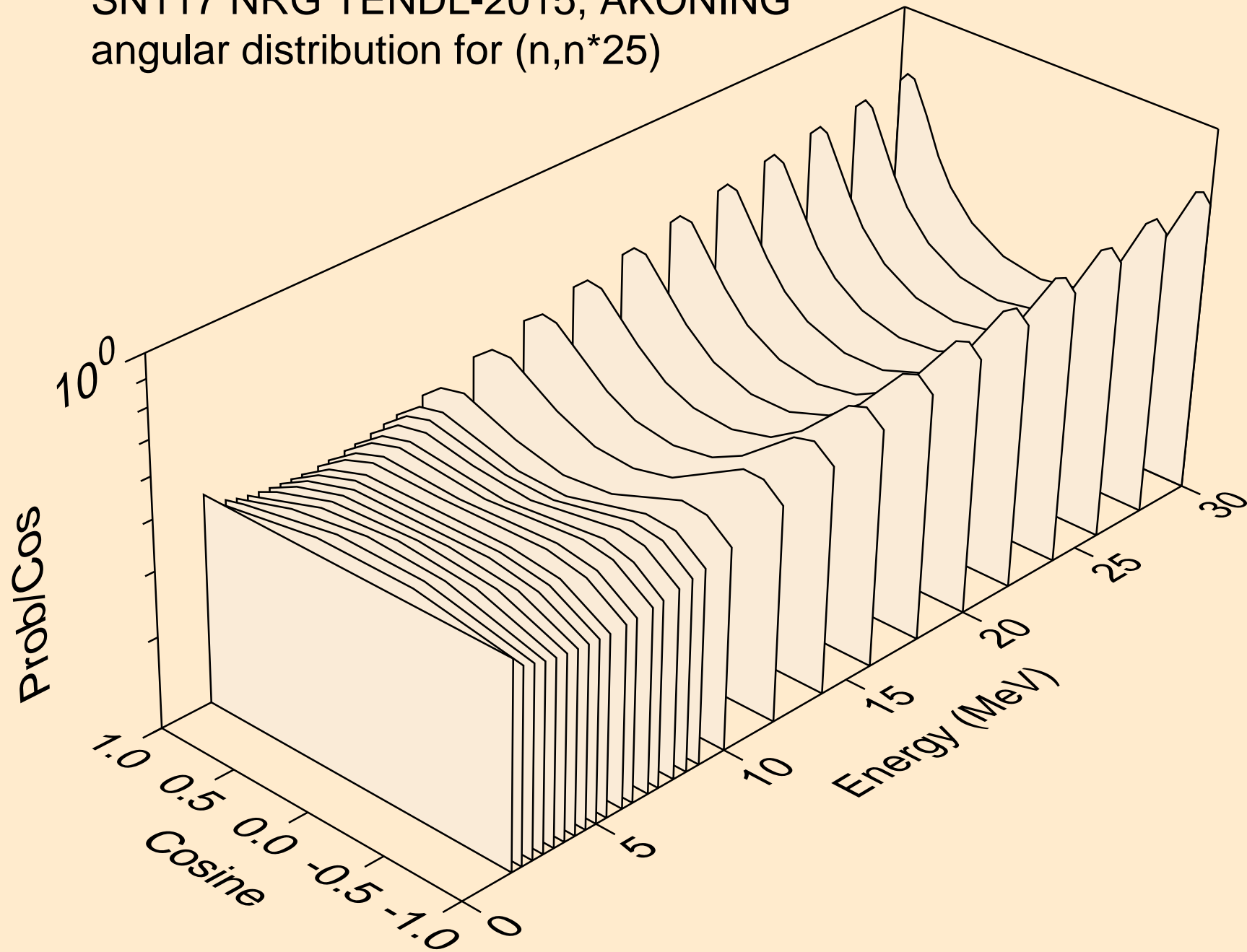
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angular distribution for (n,n\*23)



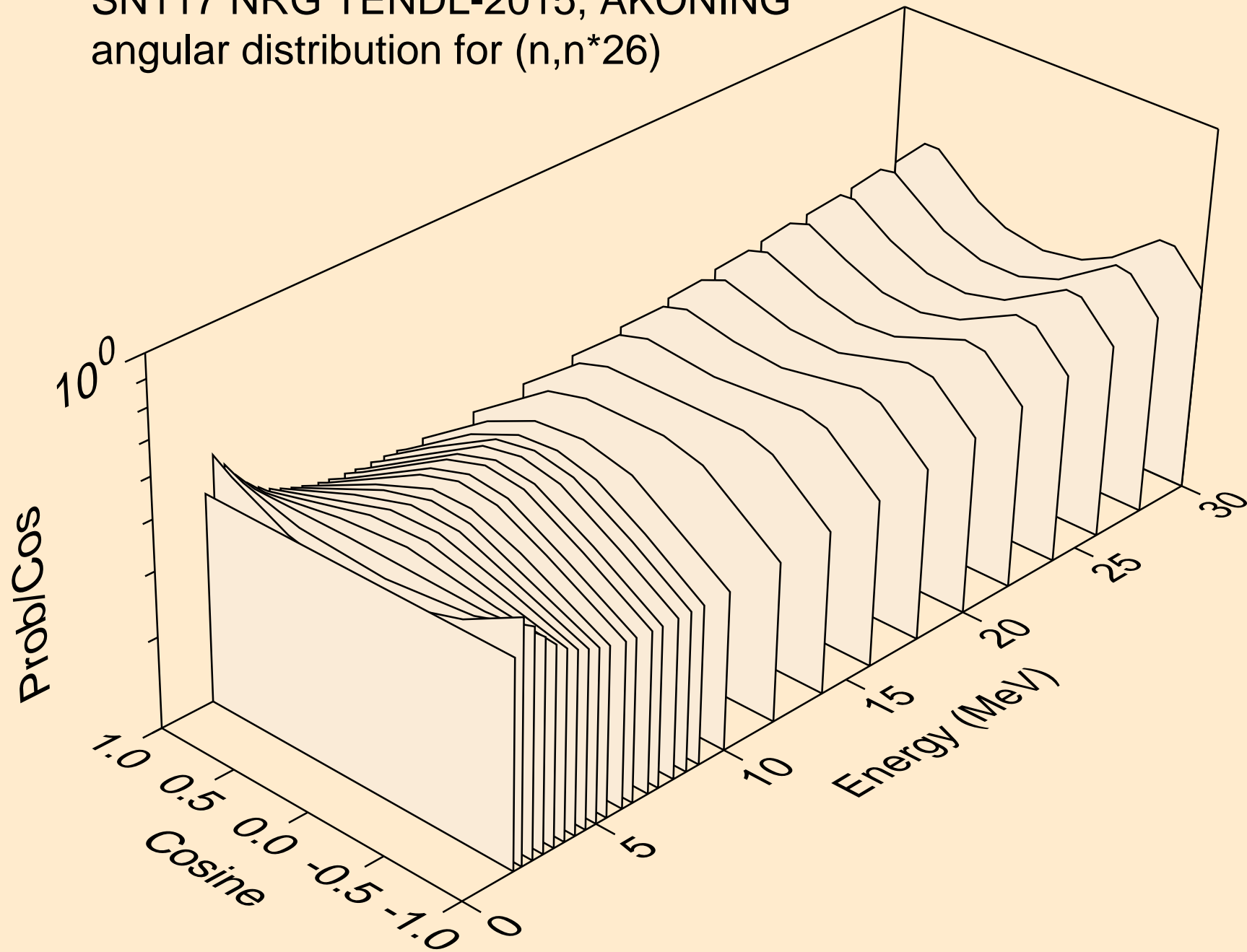
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



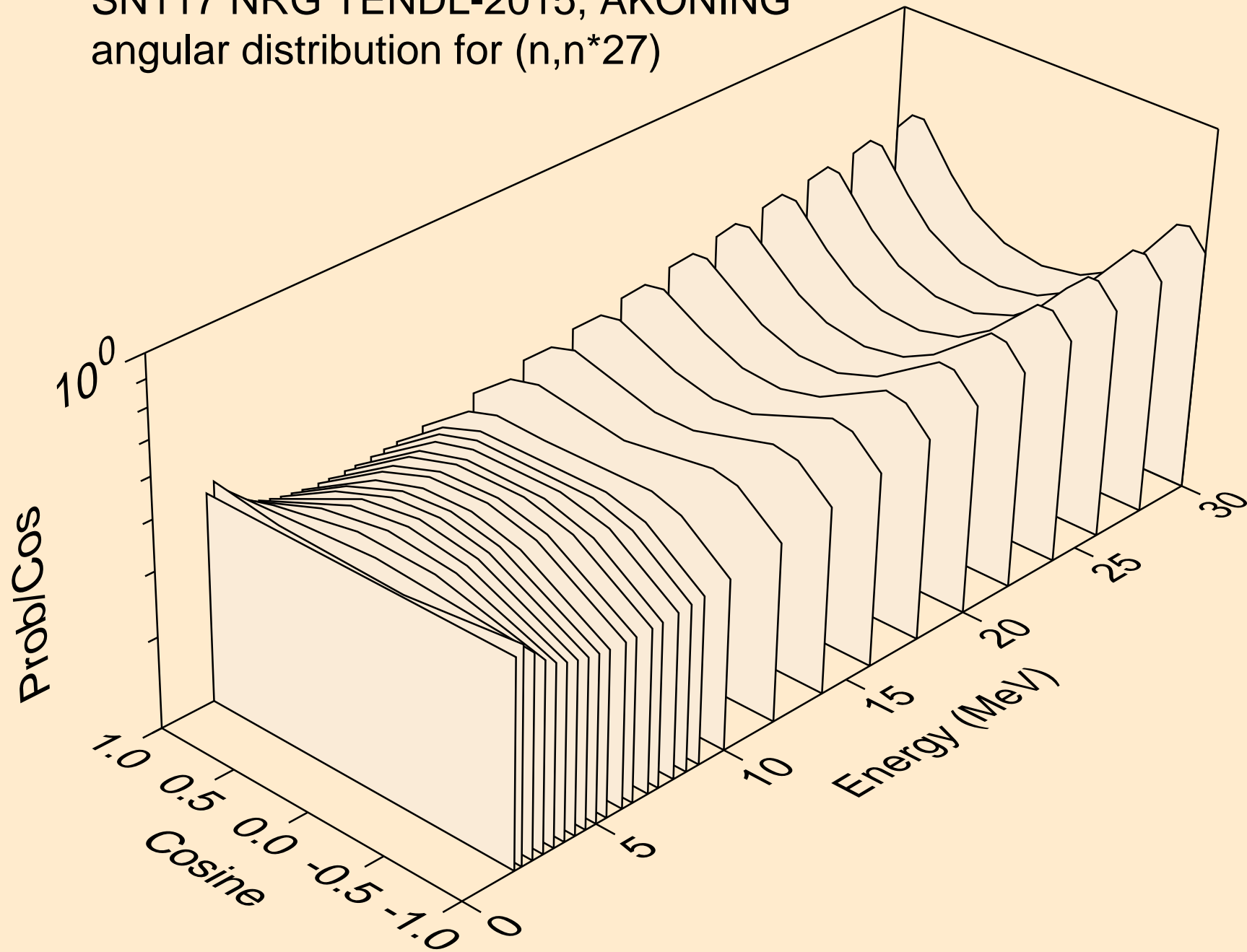
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



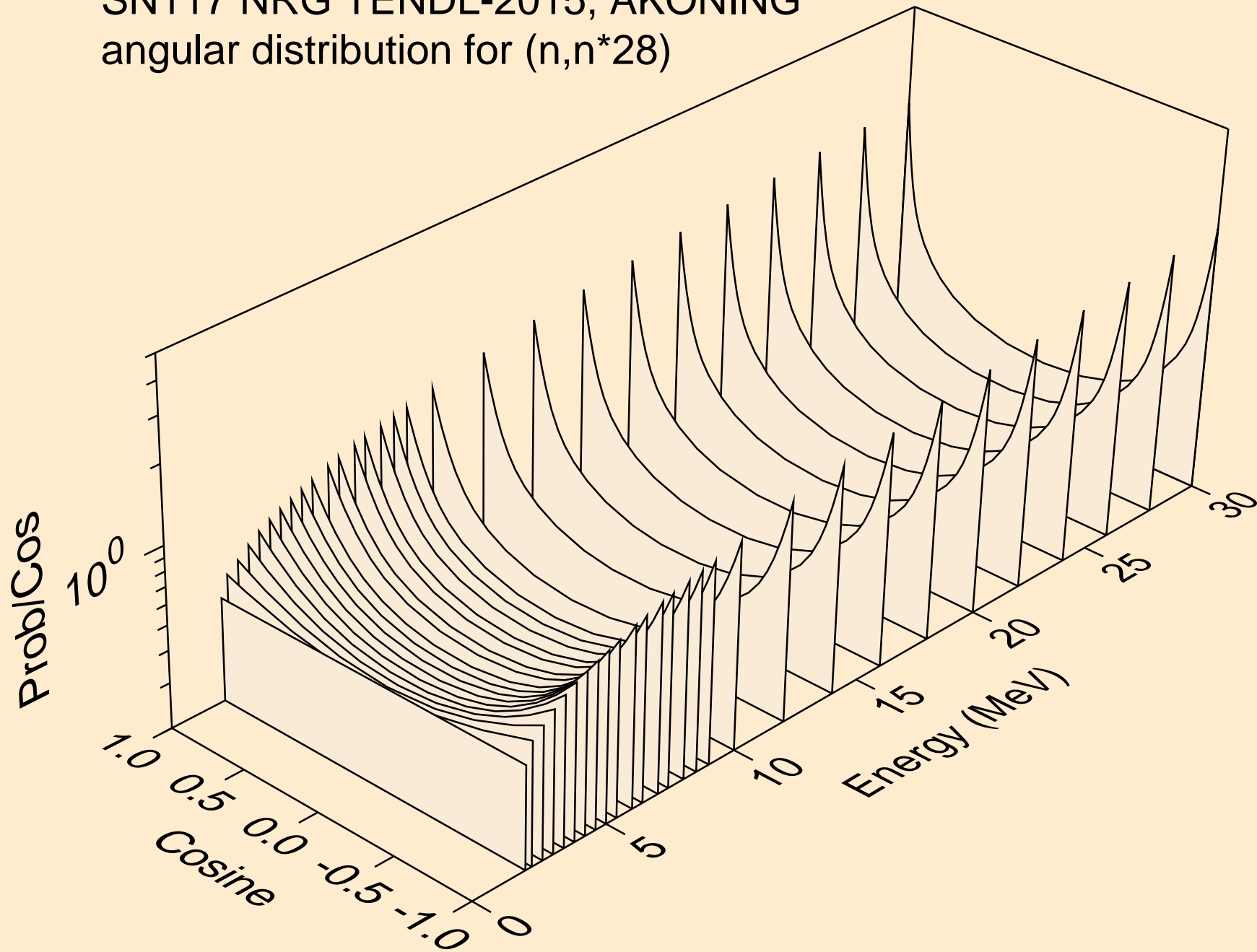
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



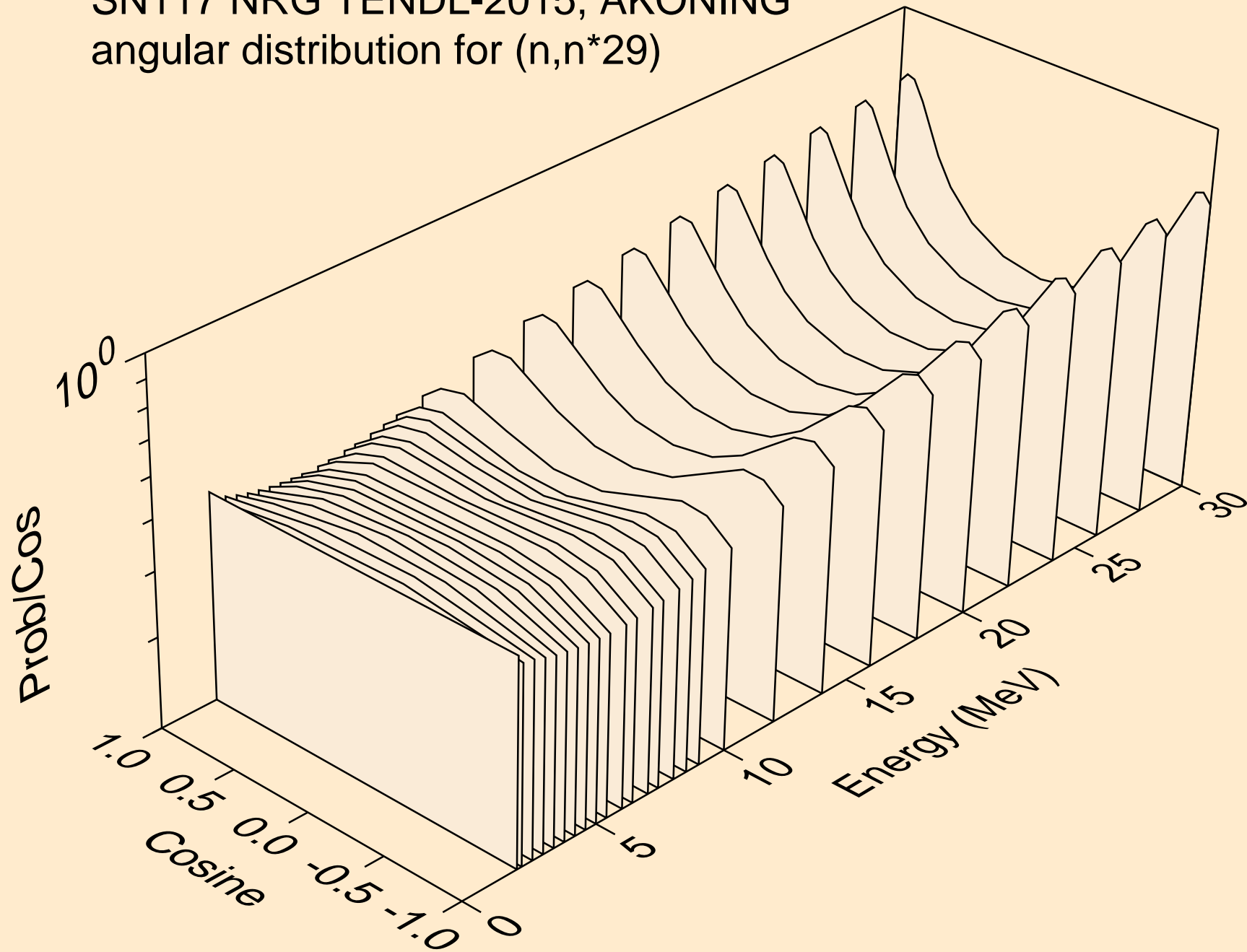
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angular distribution for (n,n\*27)



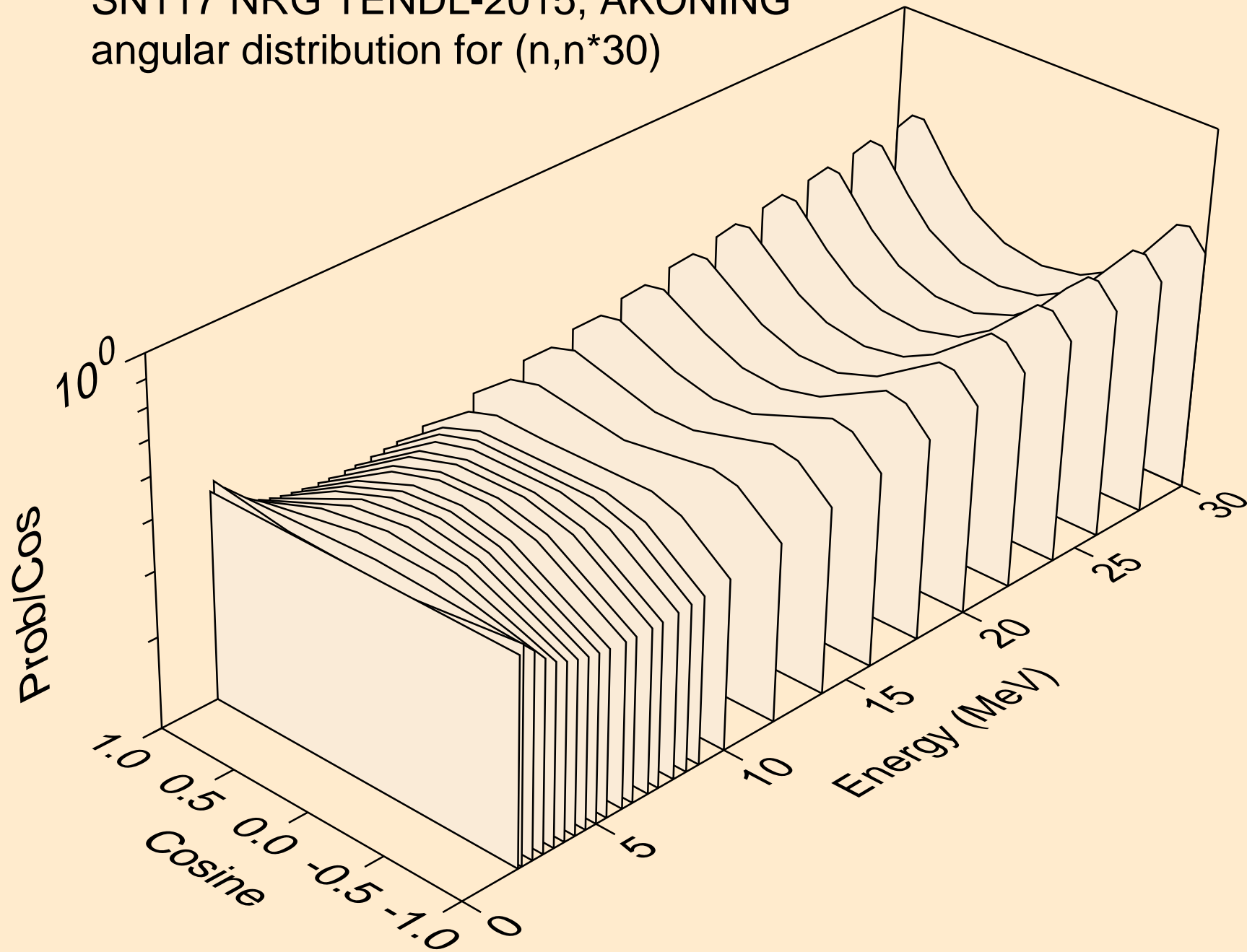
SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

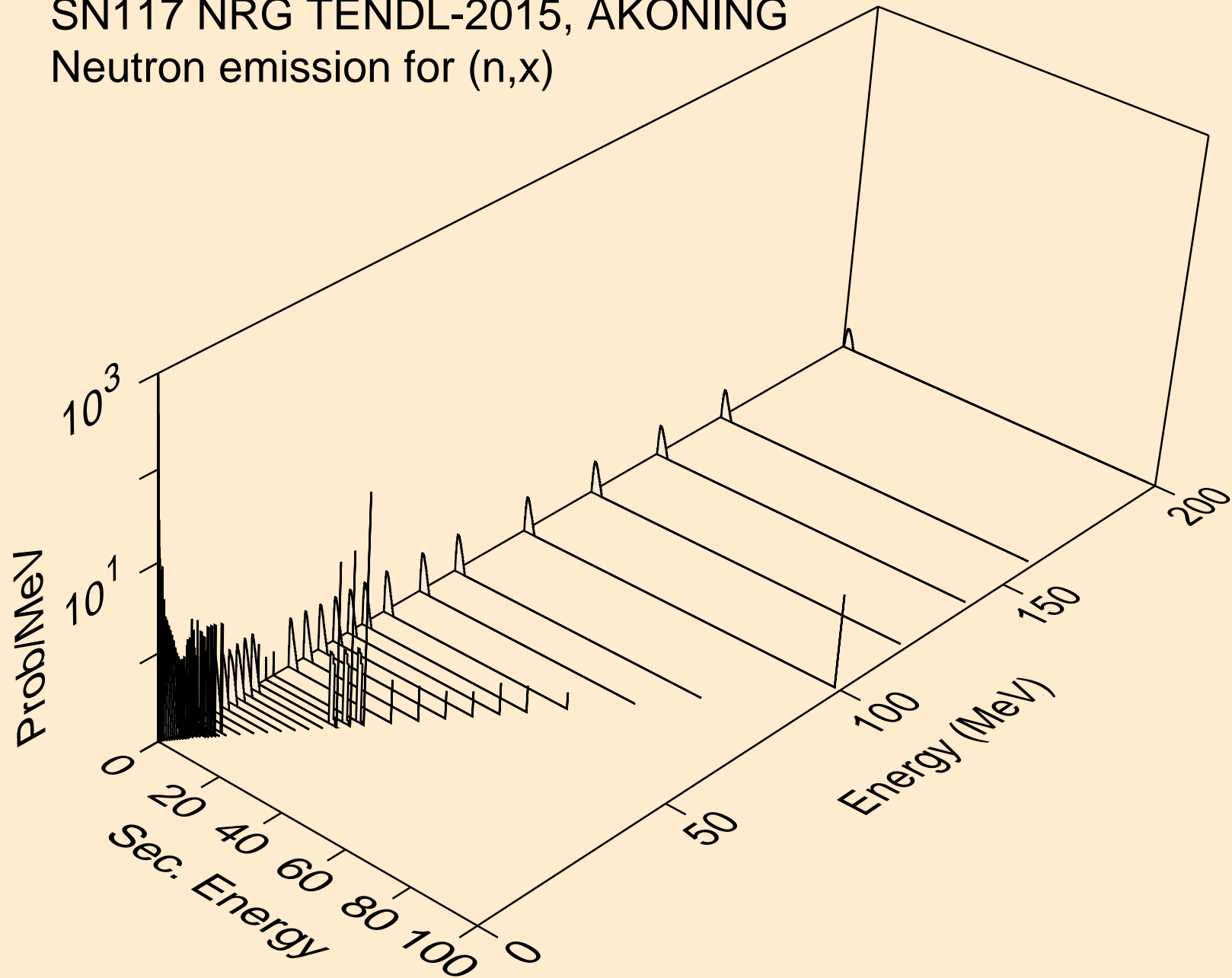


SN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

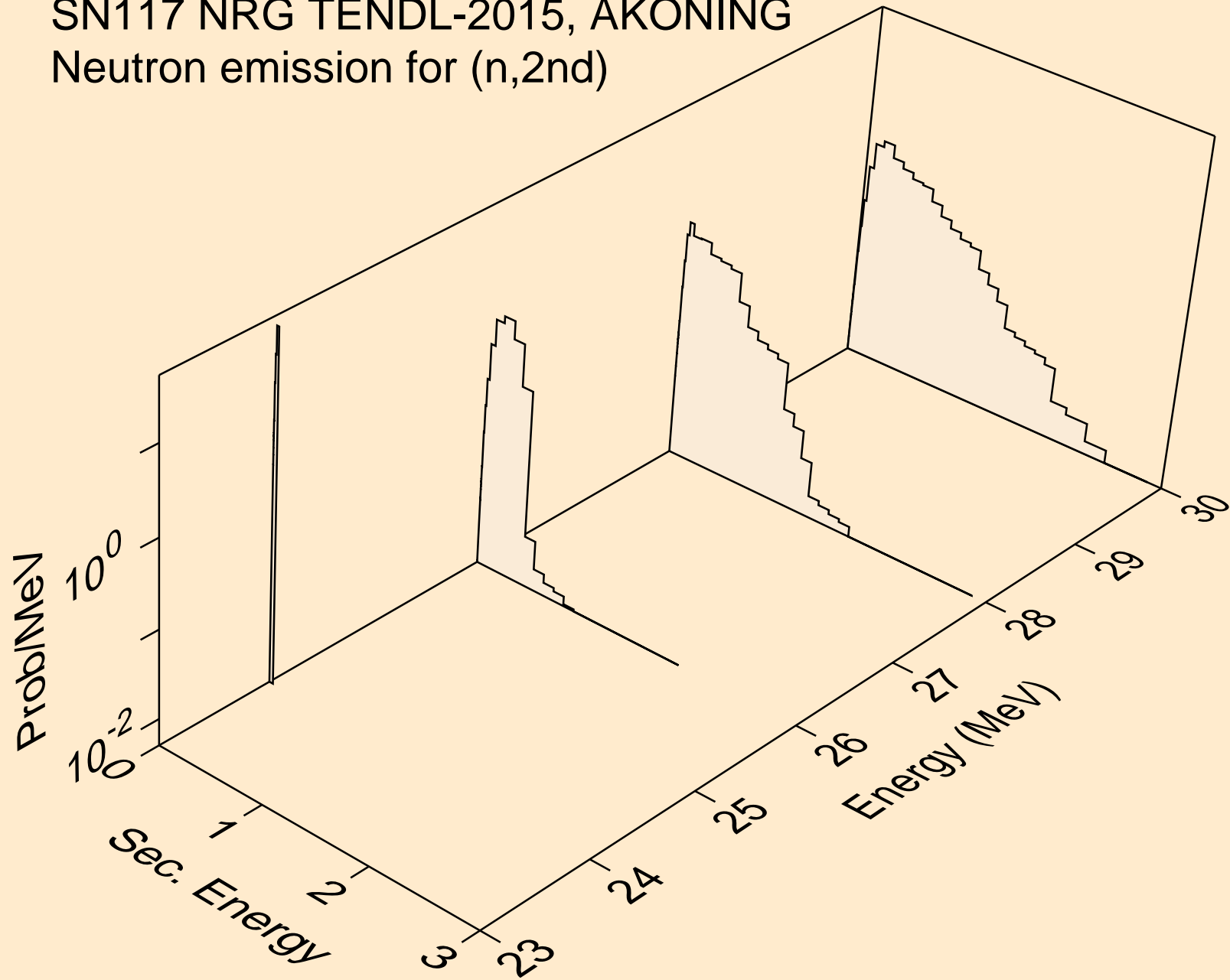




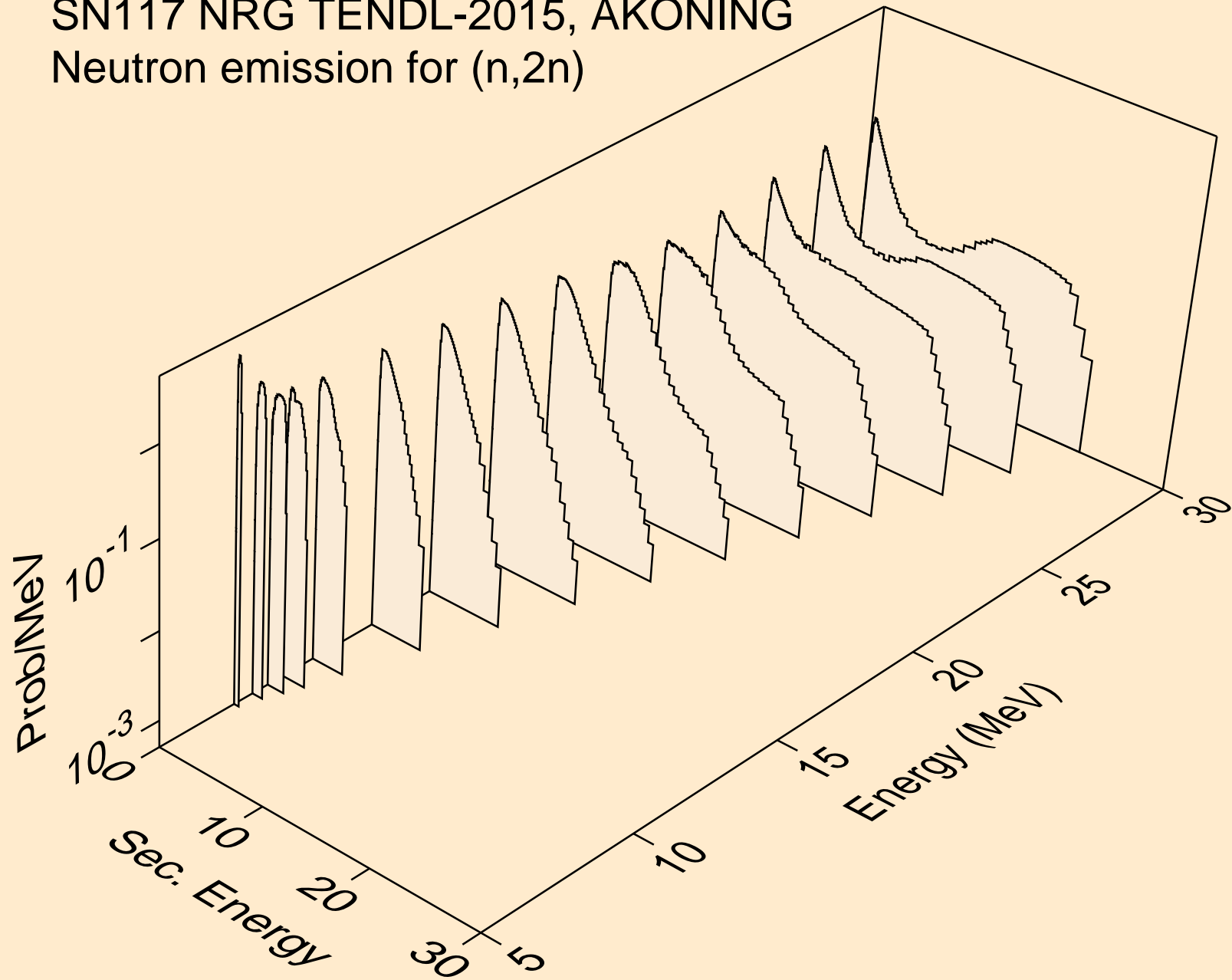
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



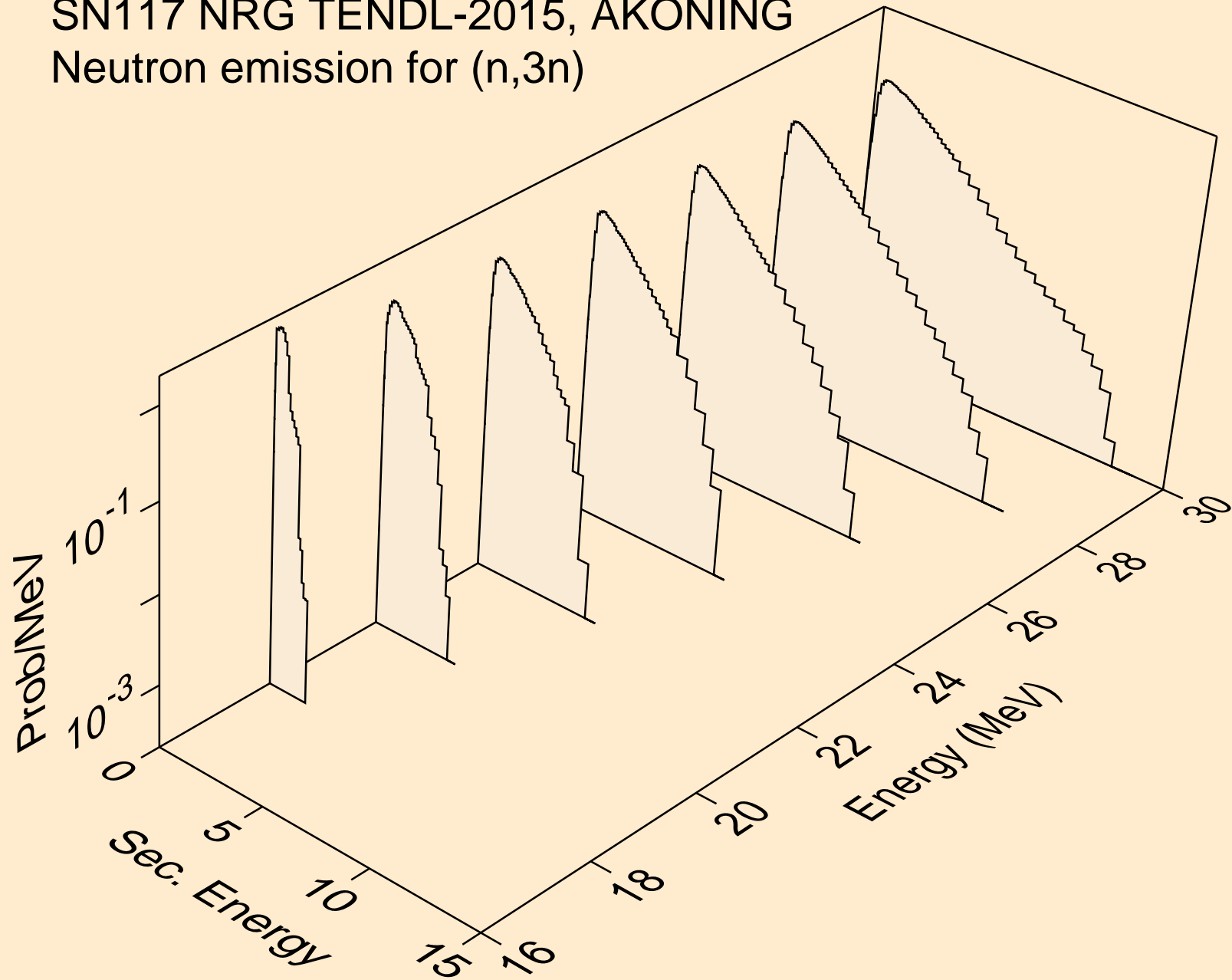
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



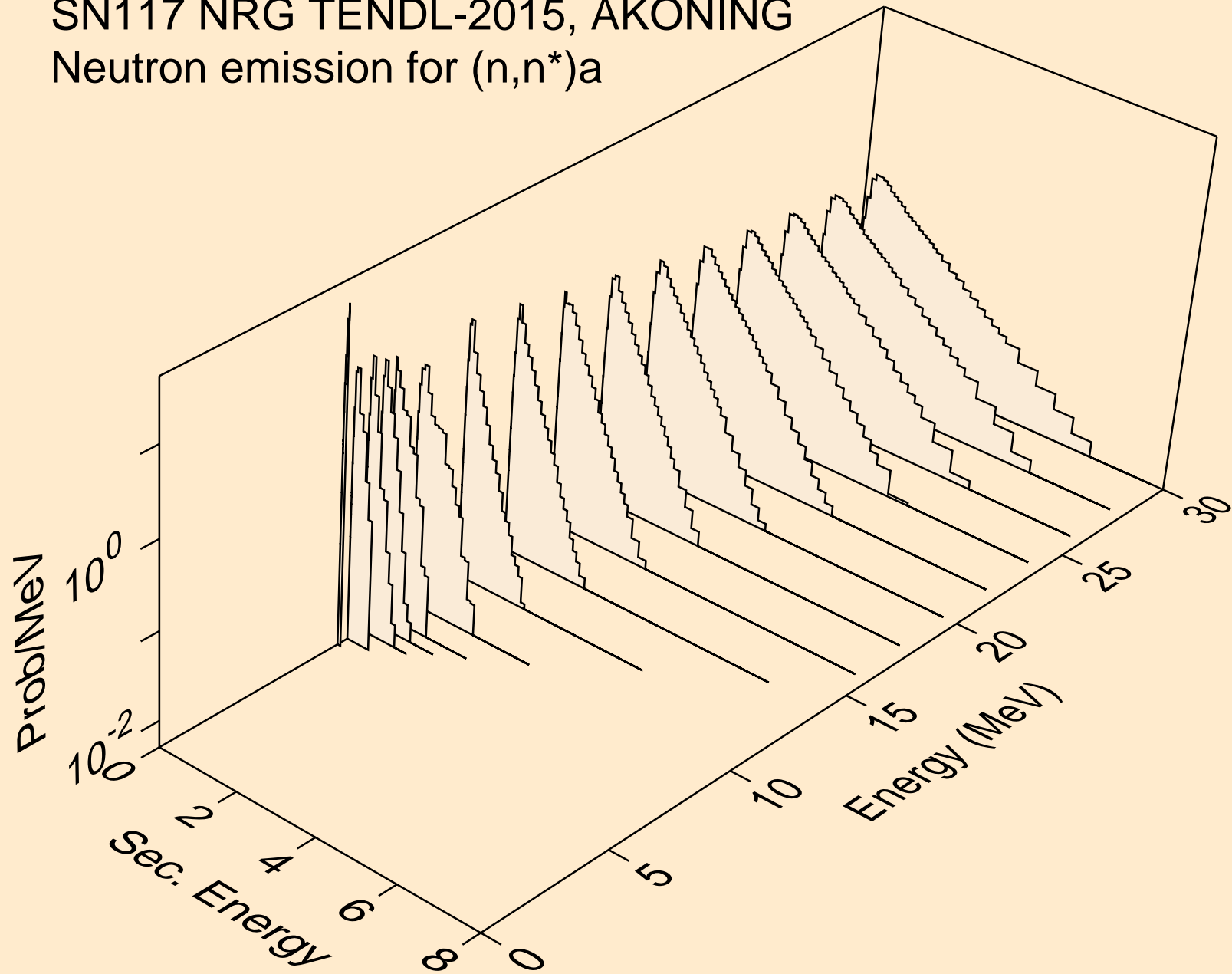
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



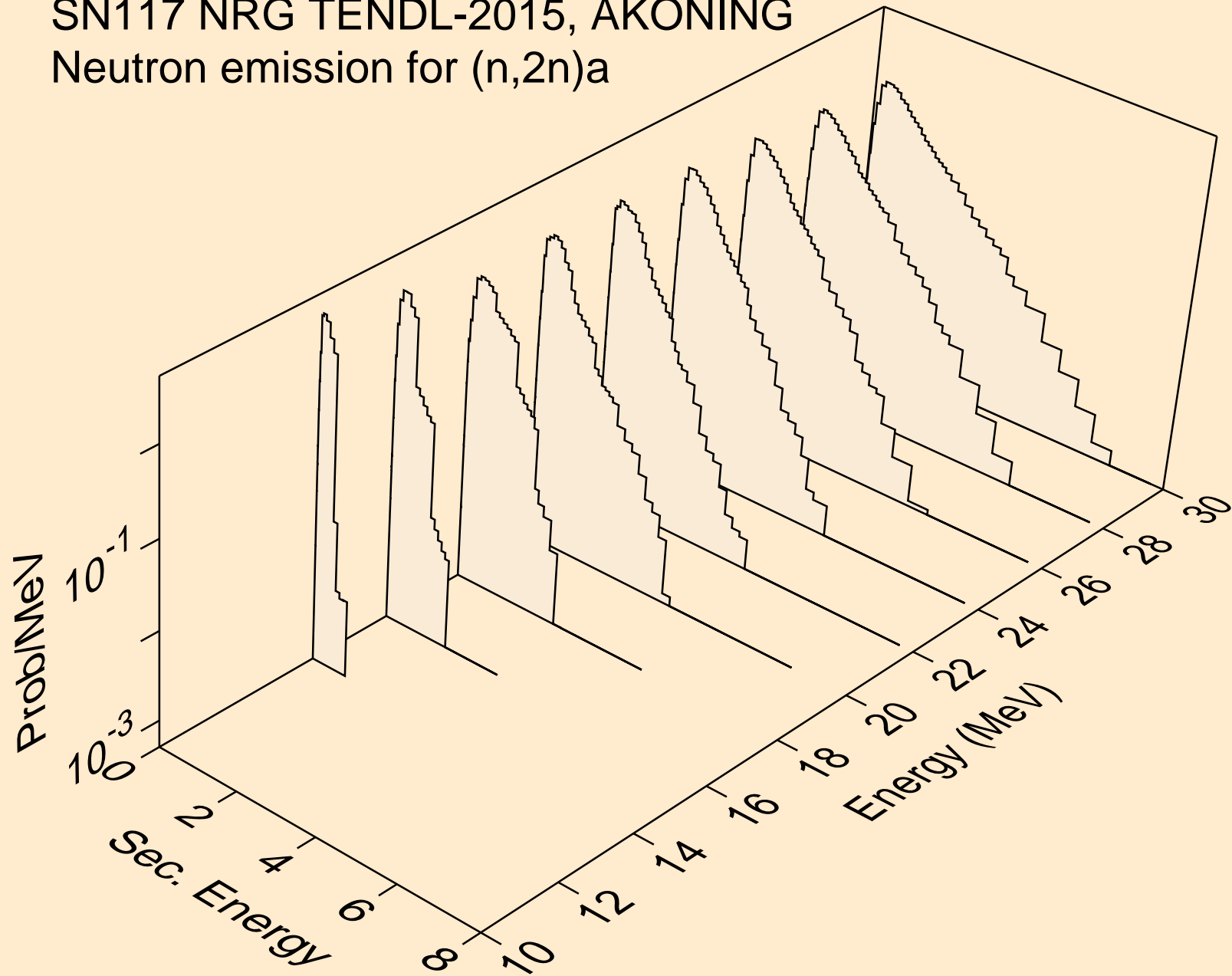
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



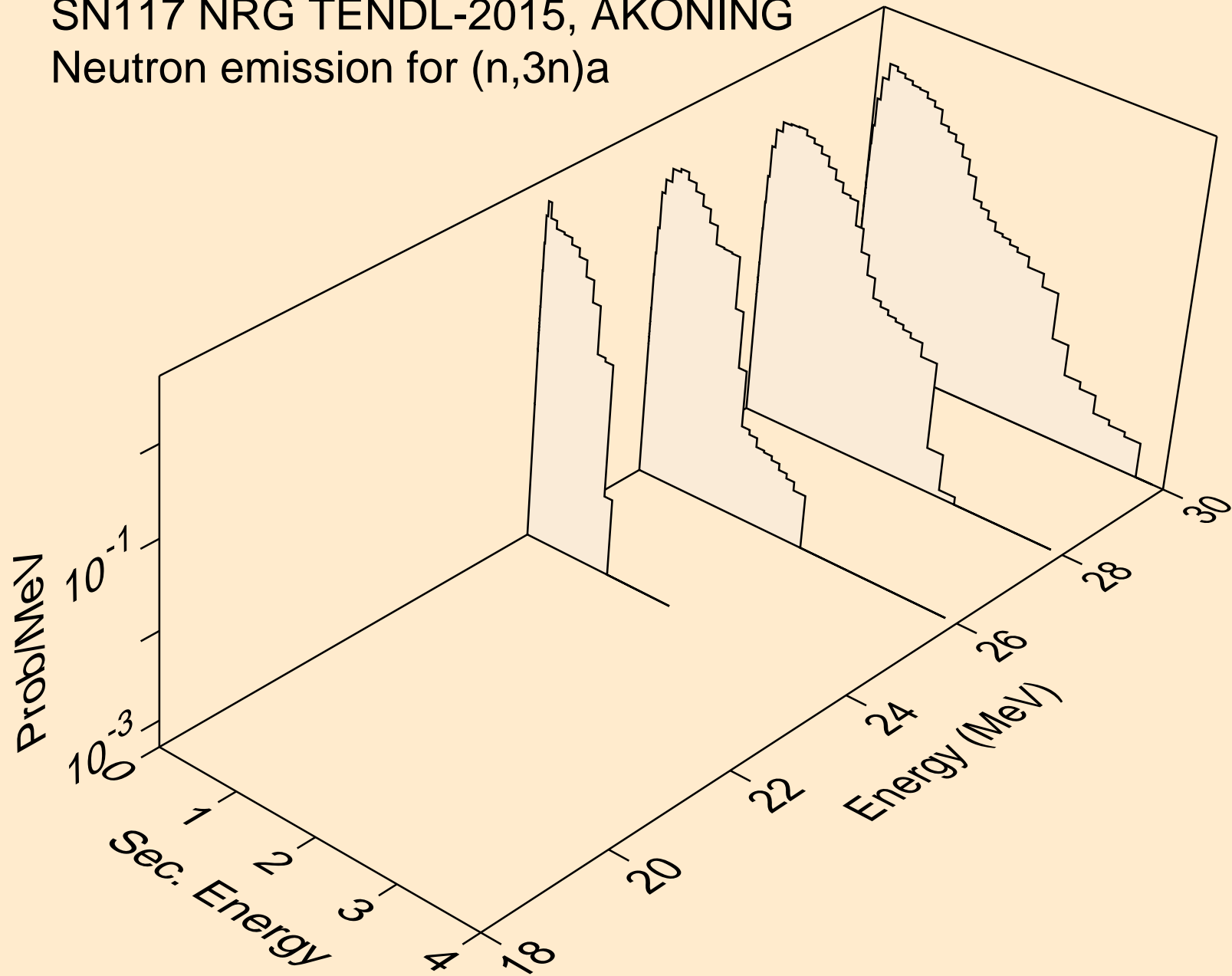
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



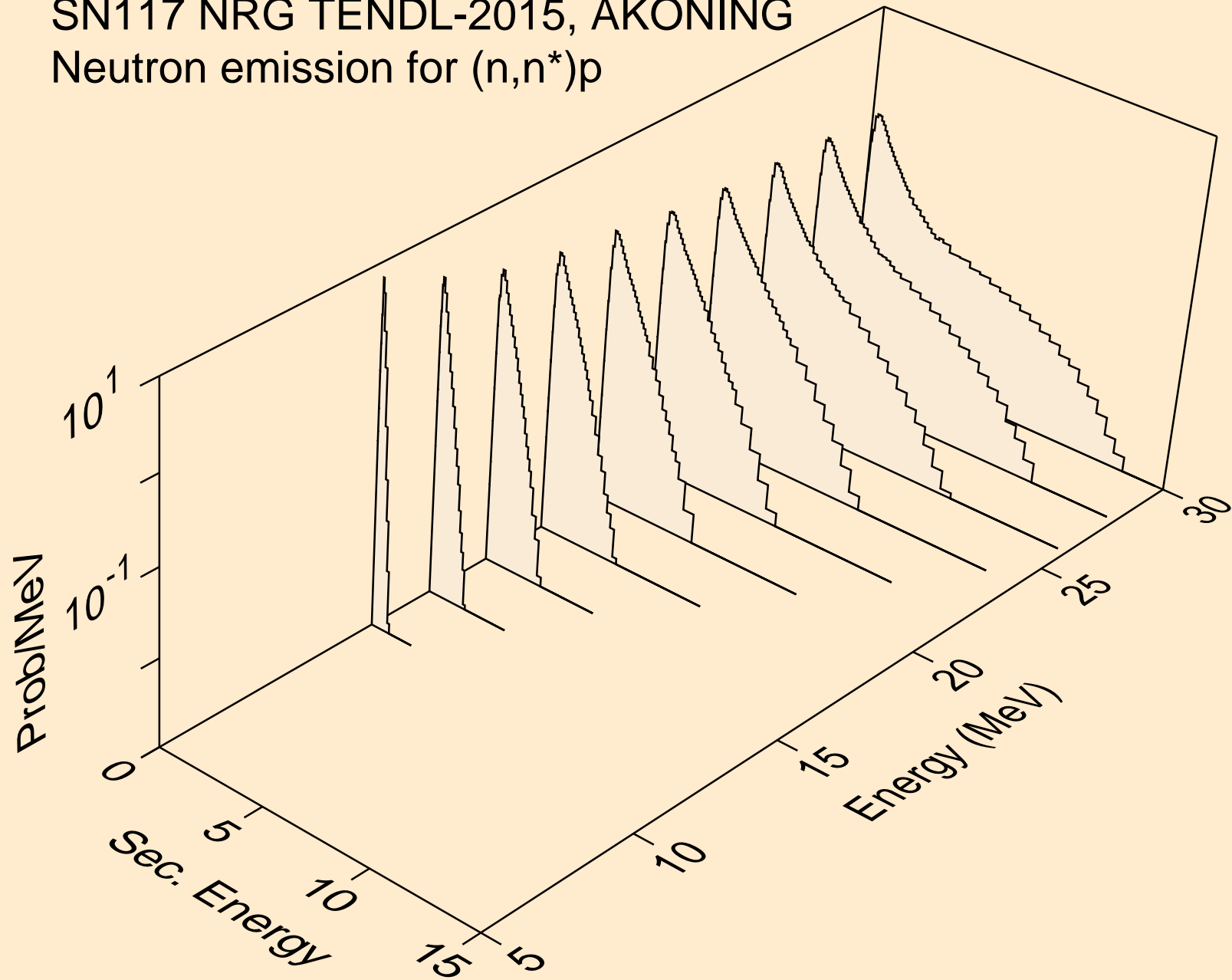
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

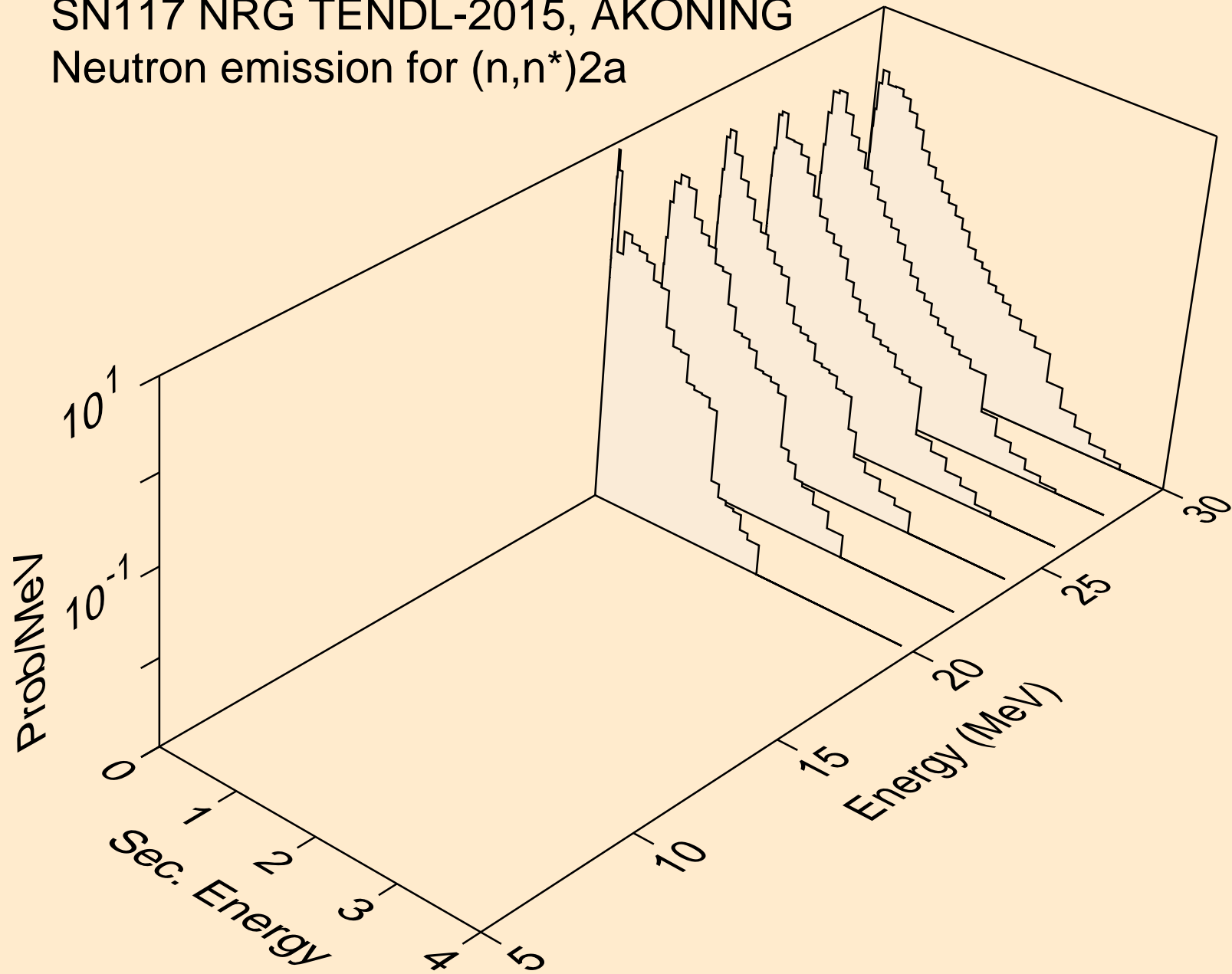


SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

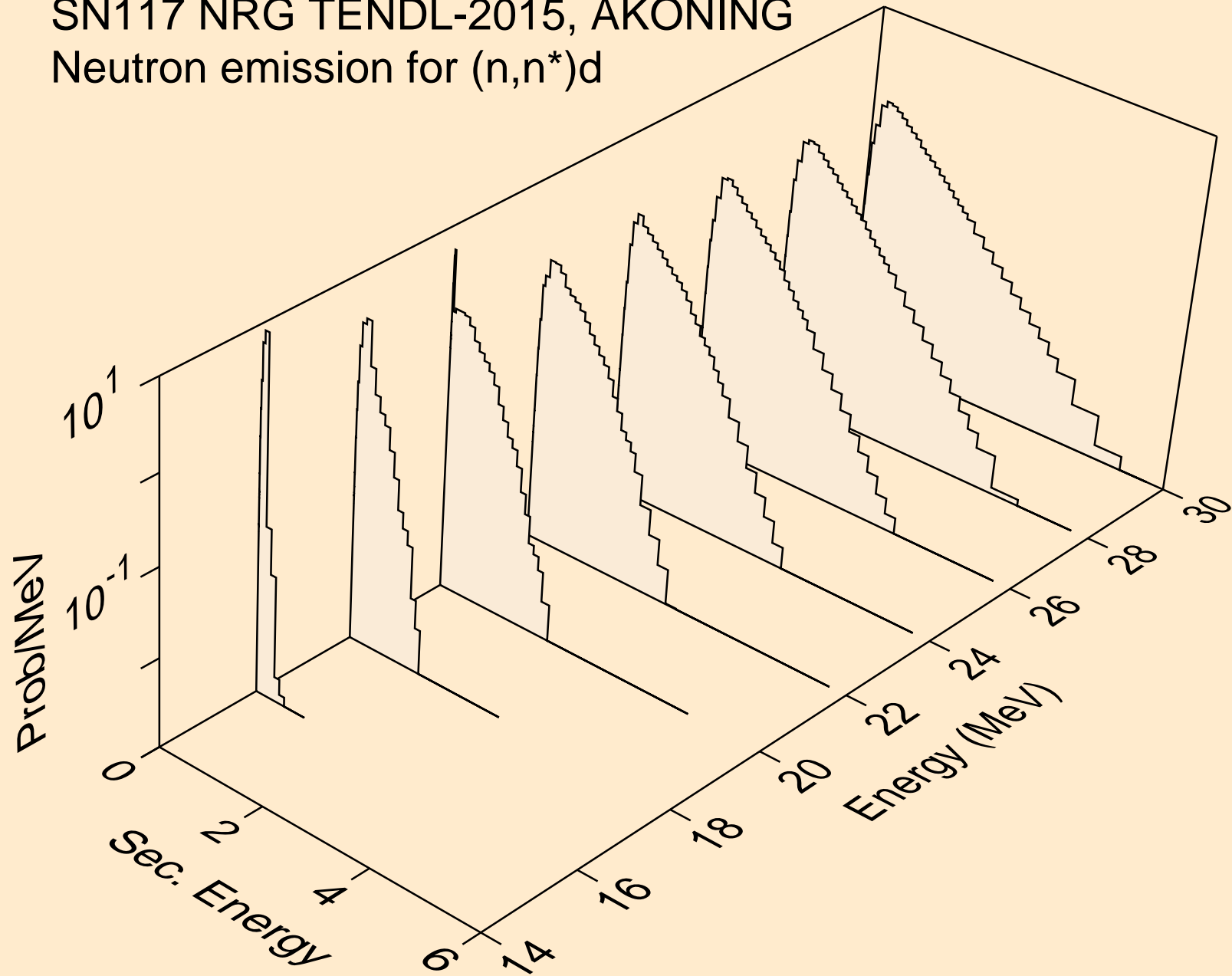




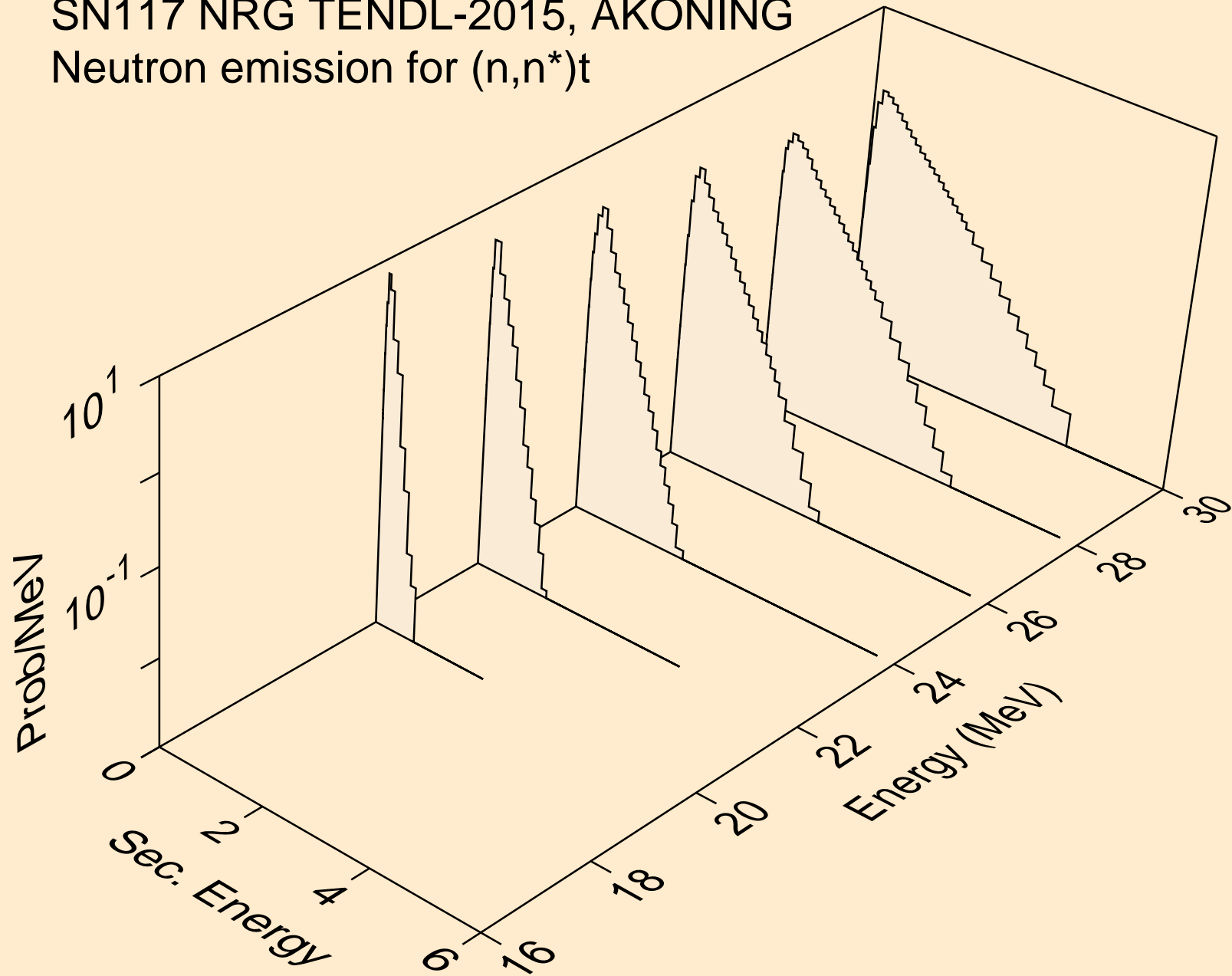
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



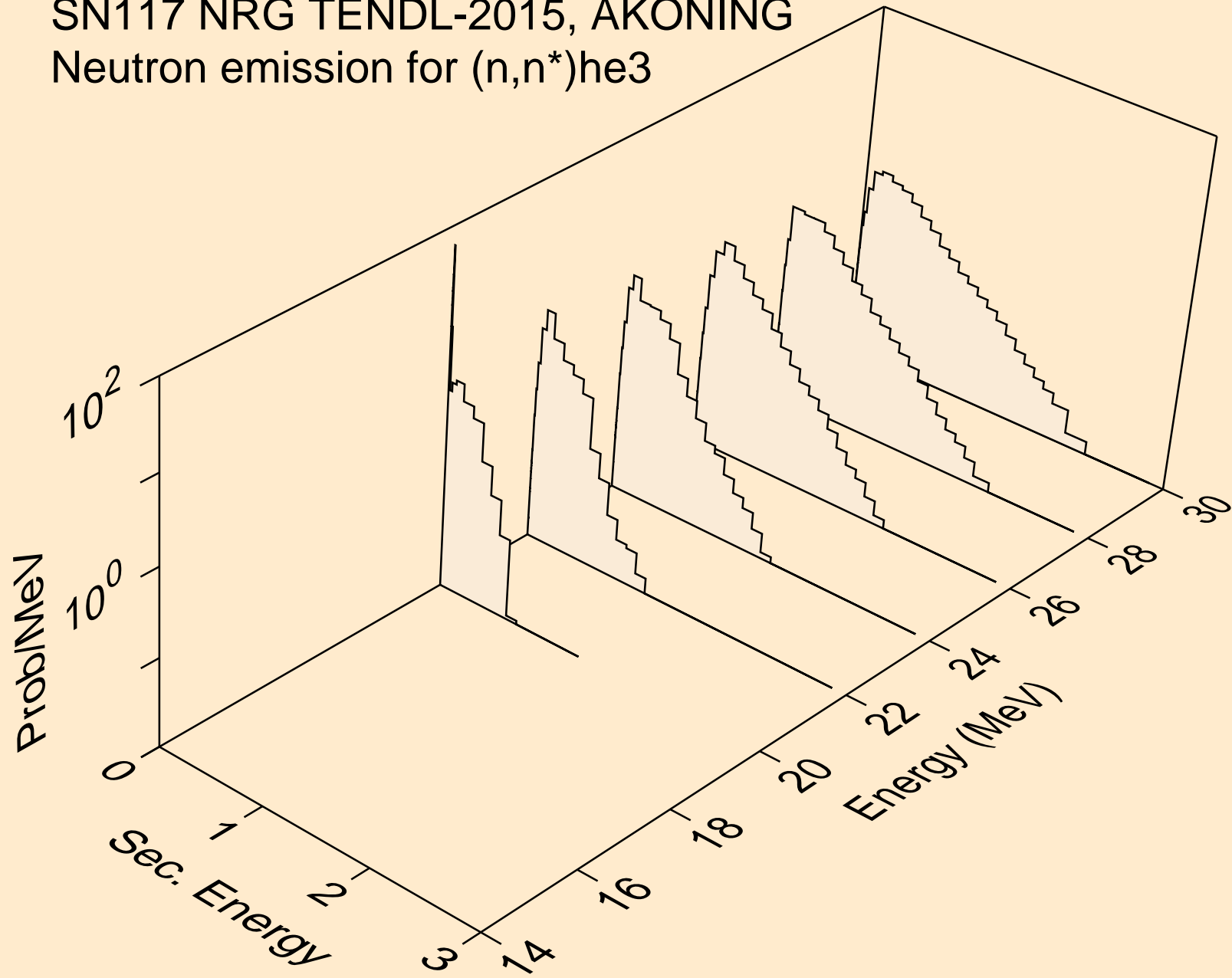
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



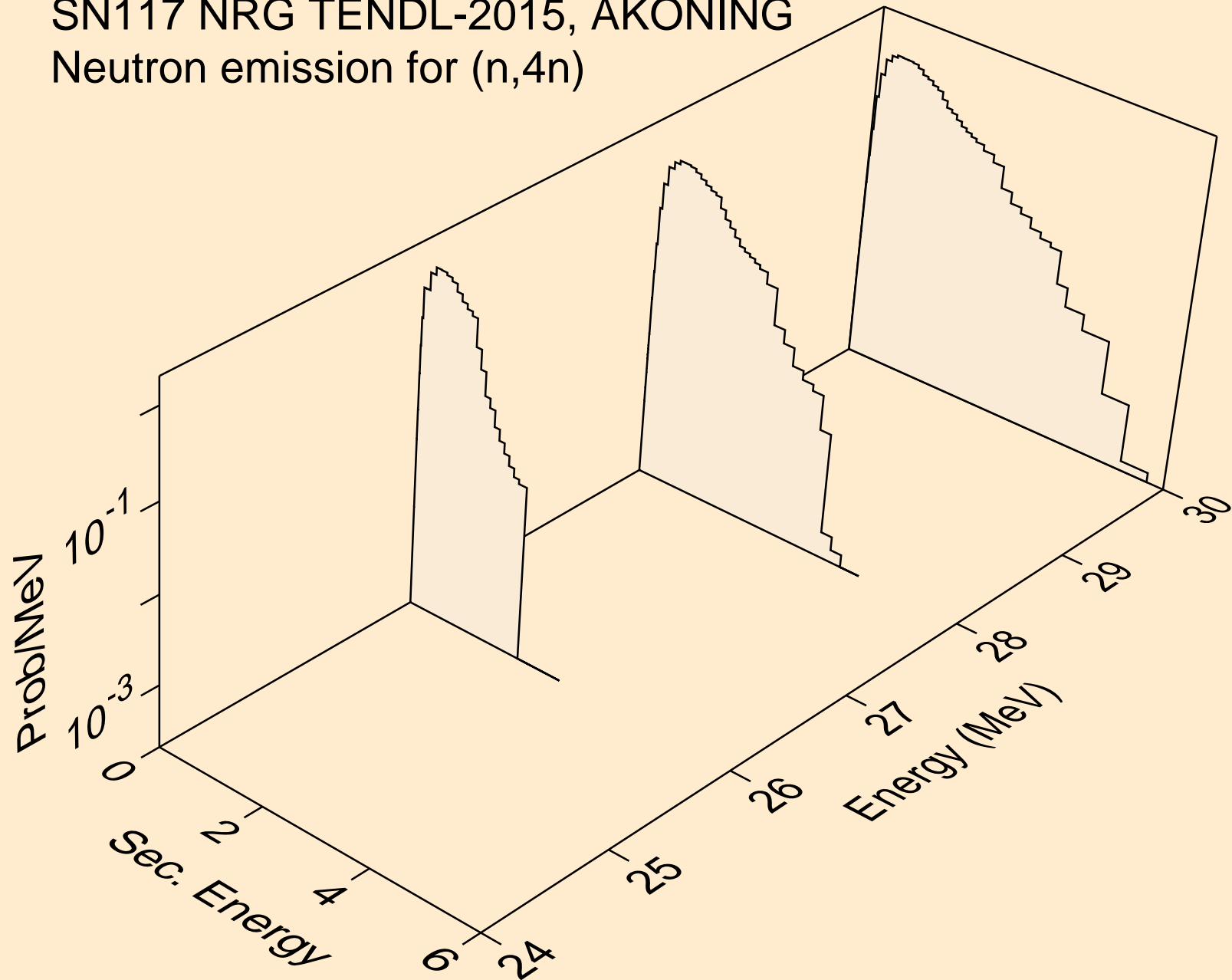
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



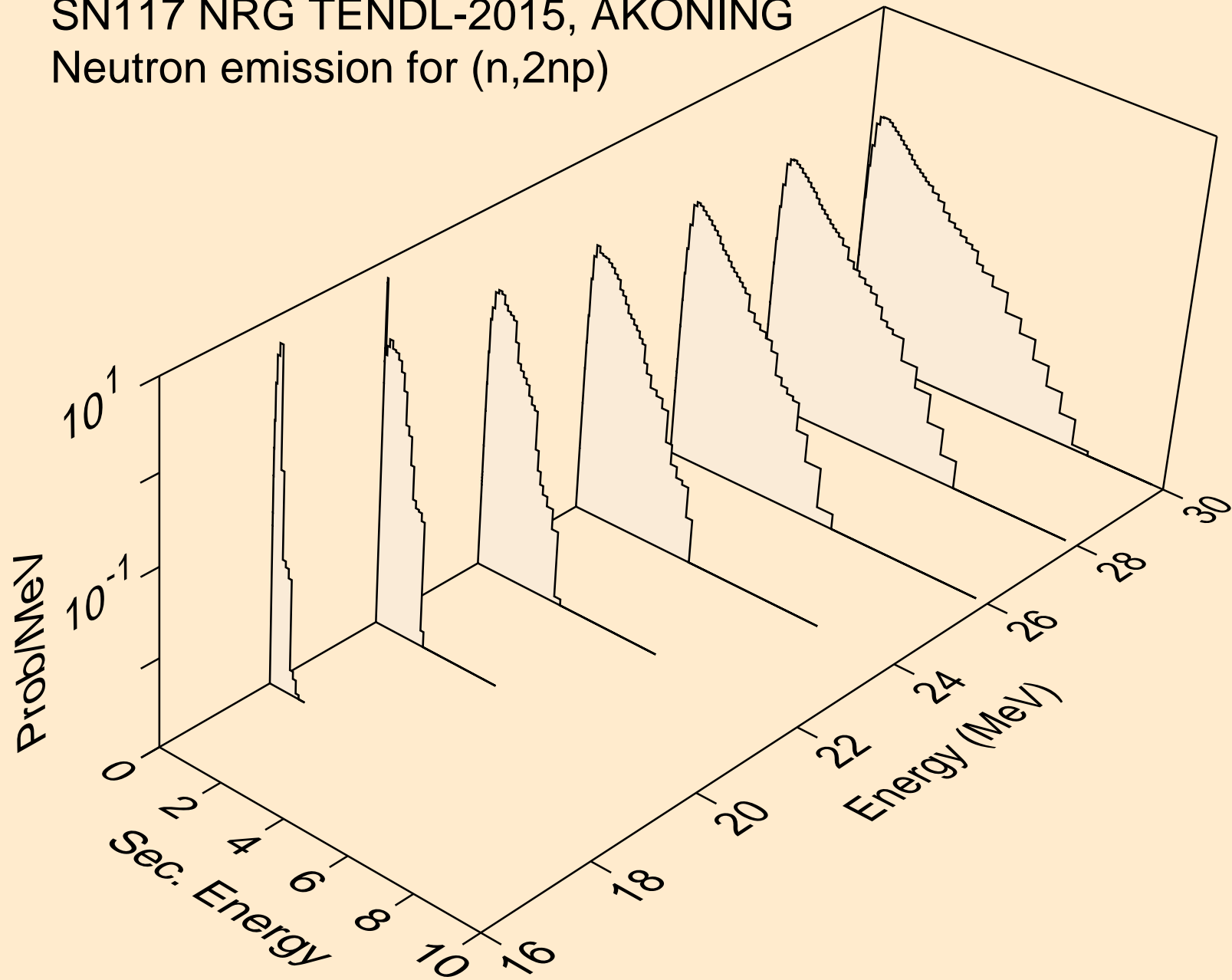
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



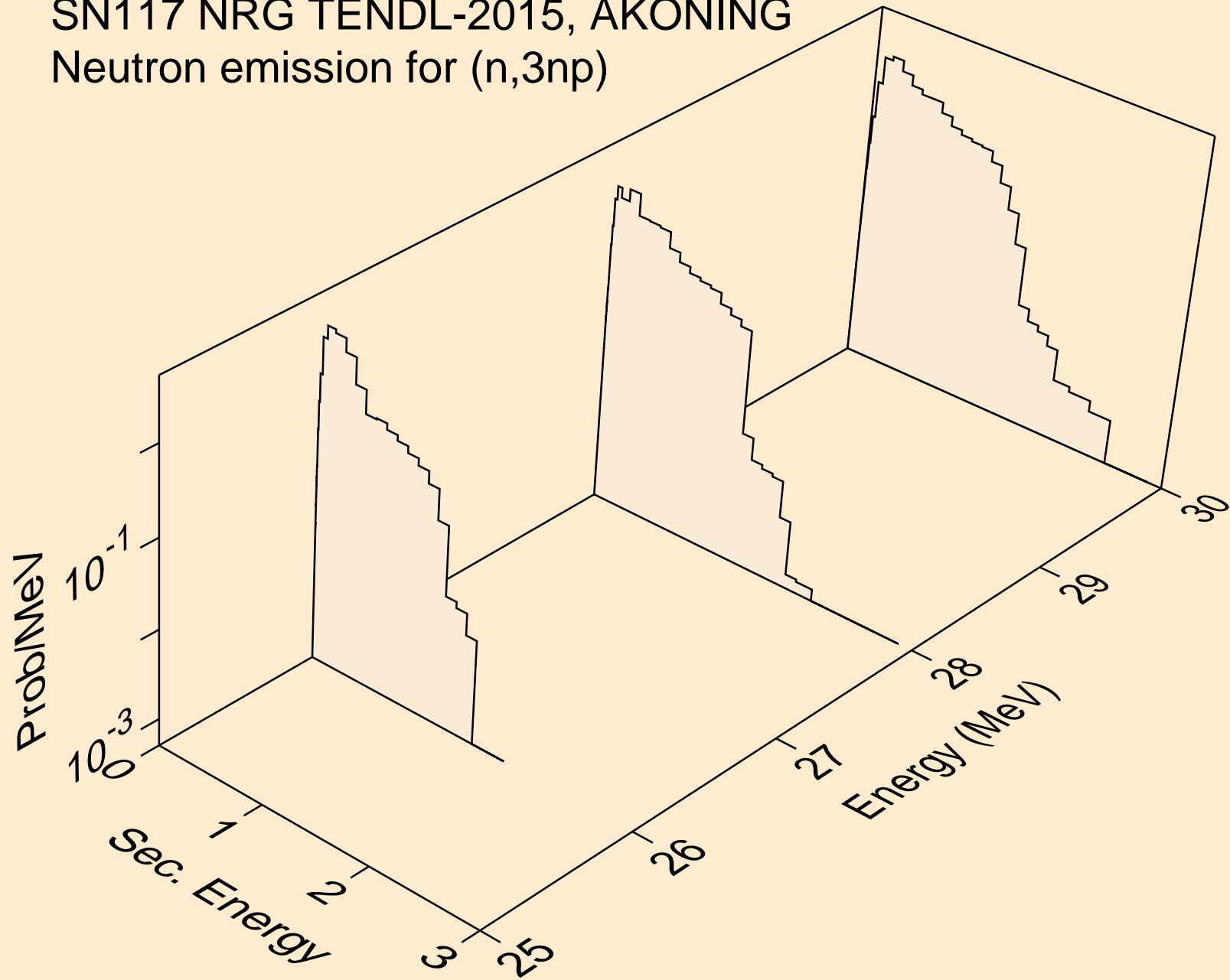
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



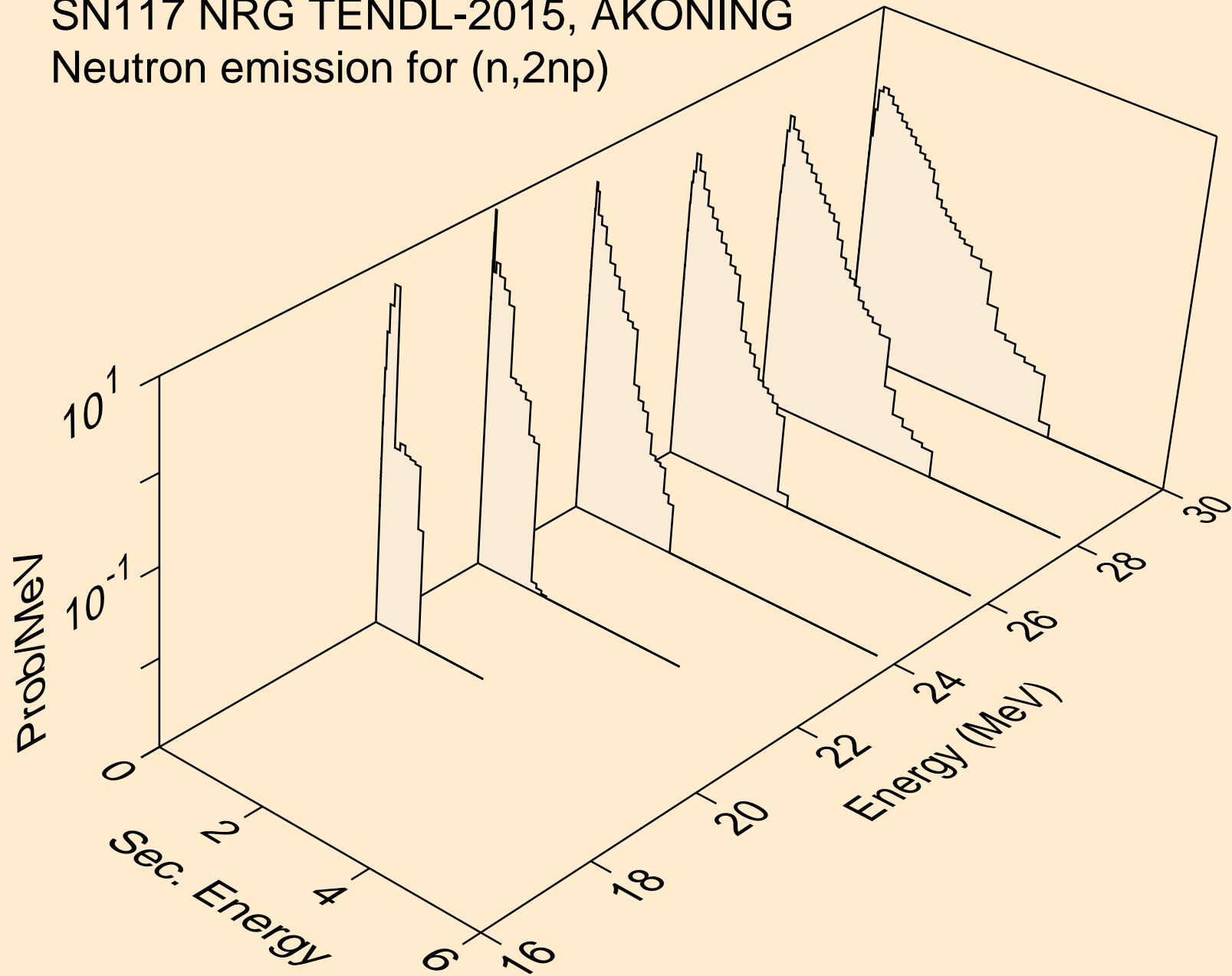
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

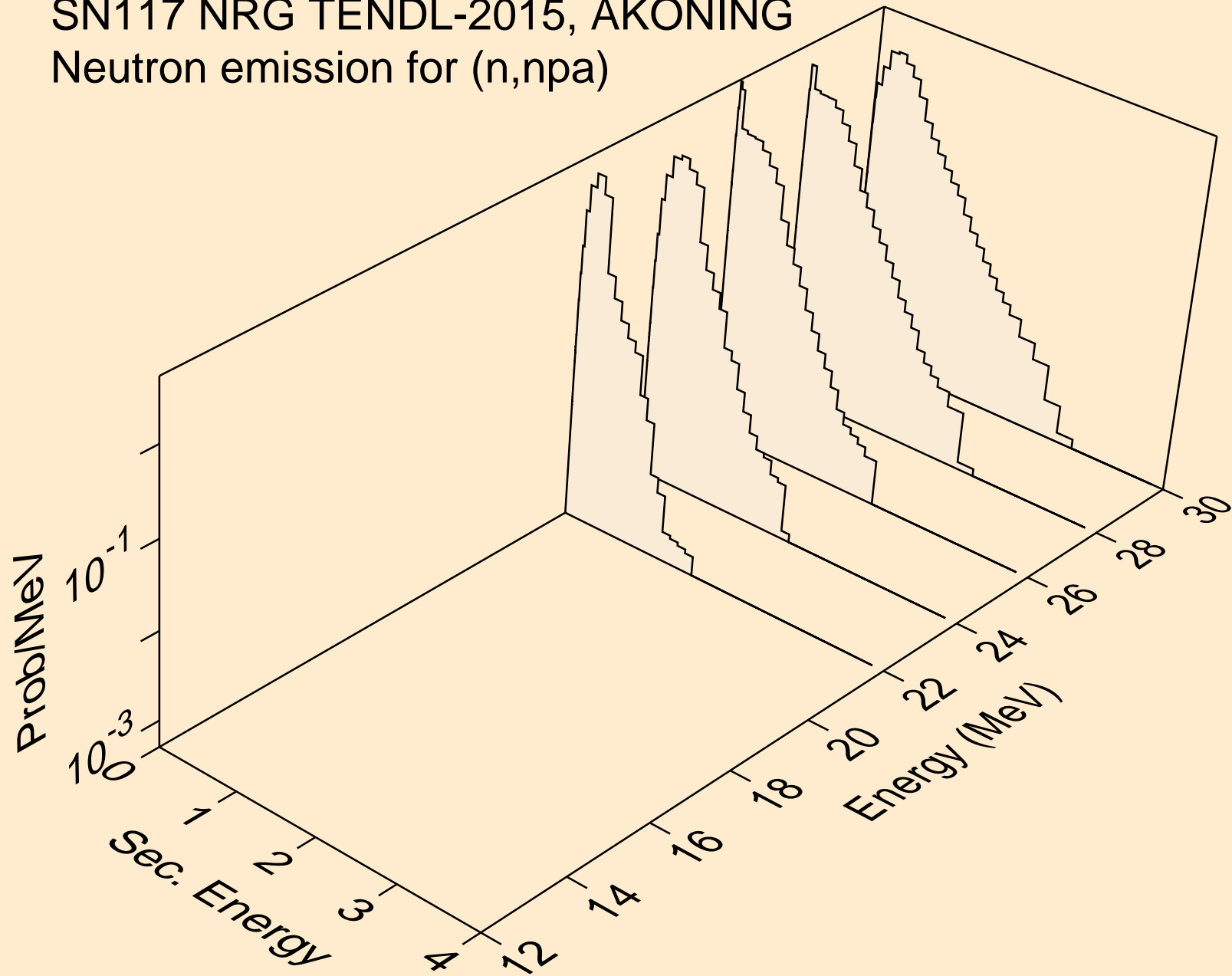


SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

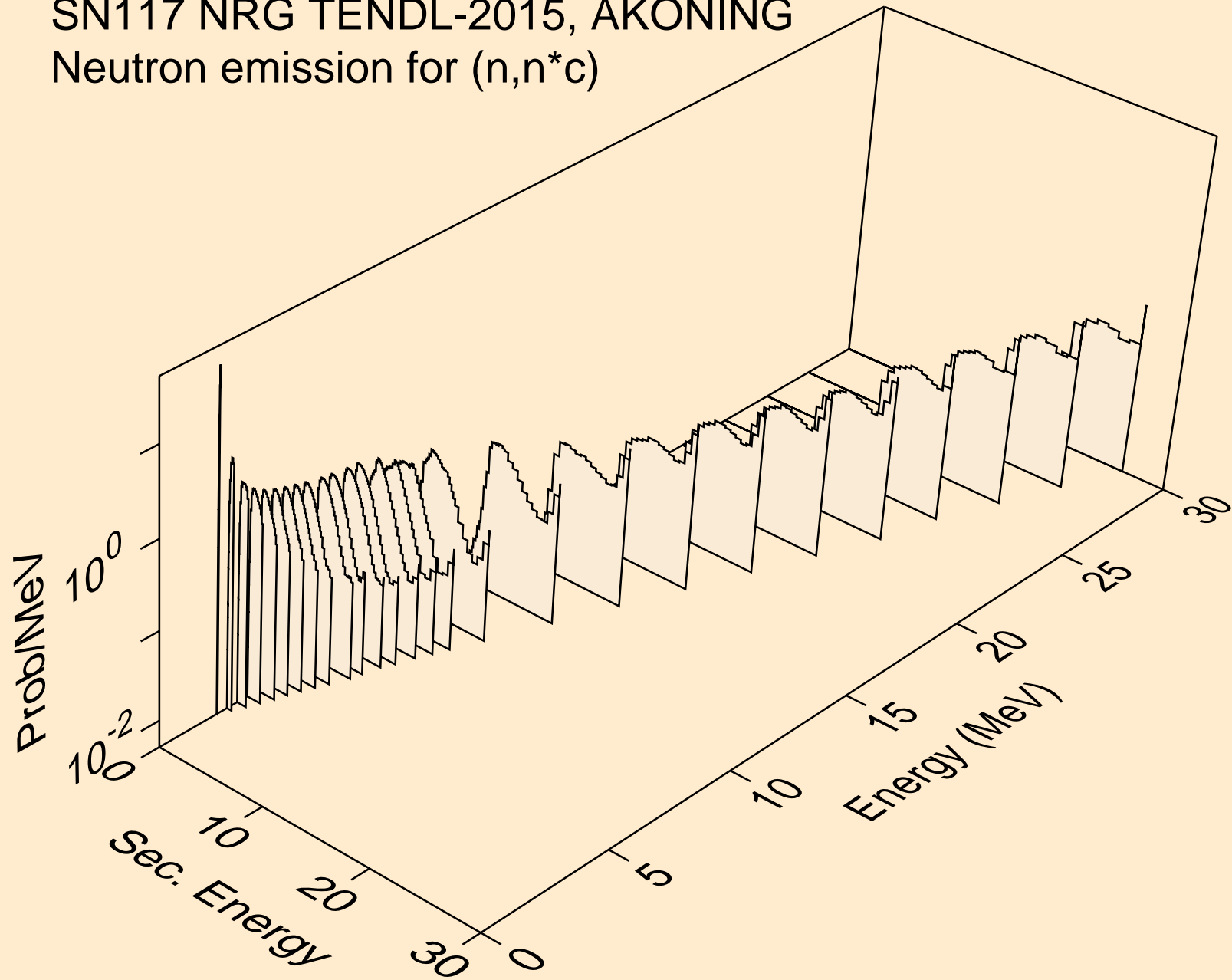




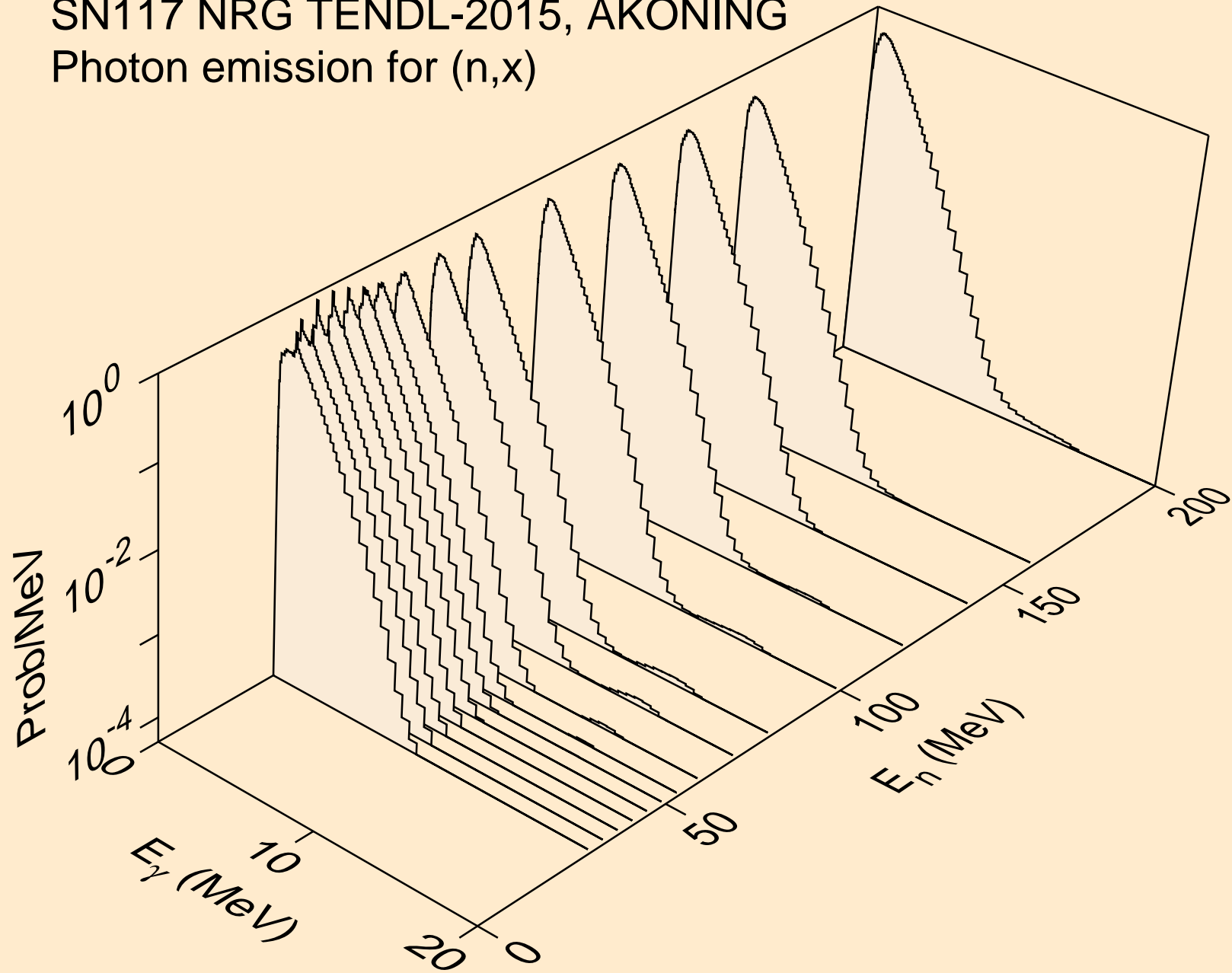
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



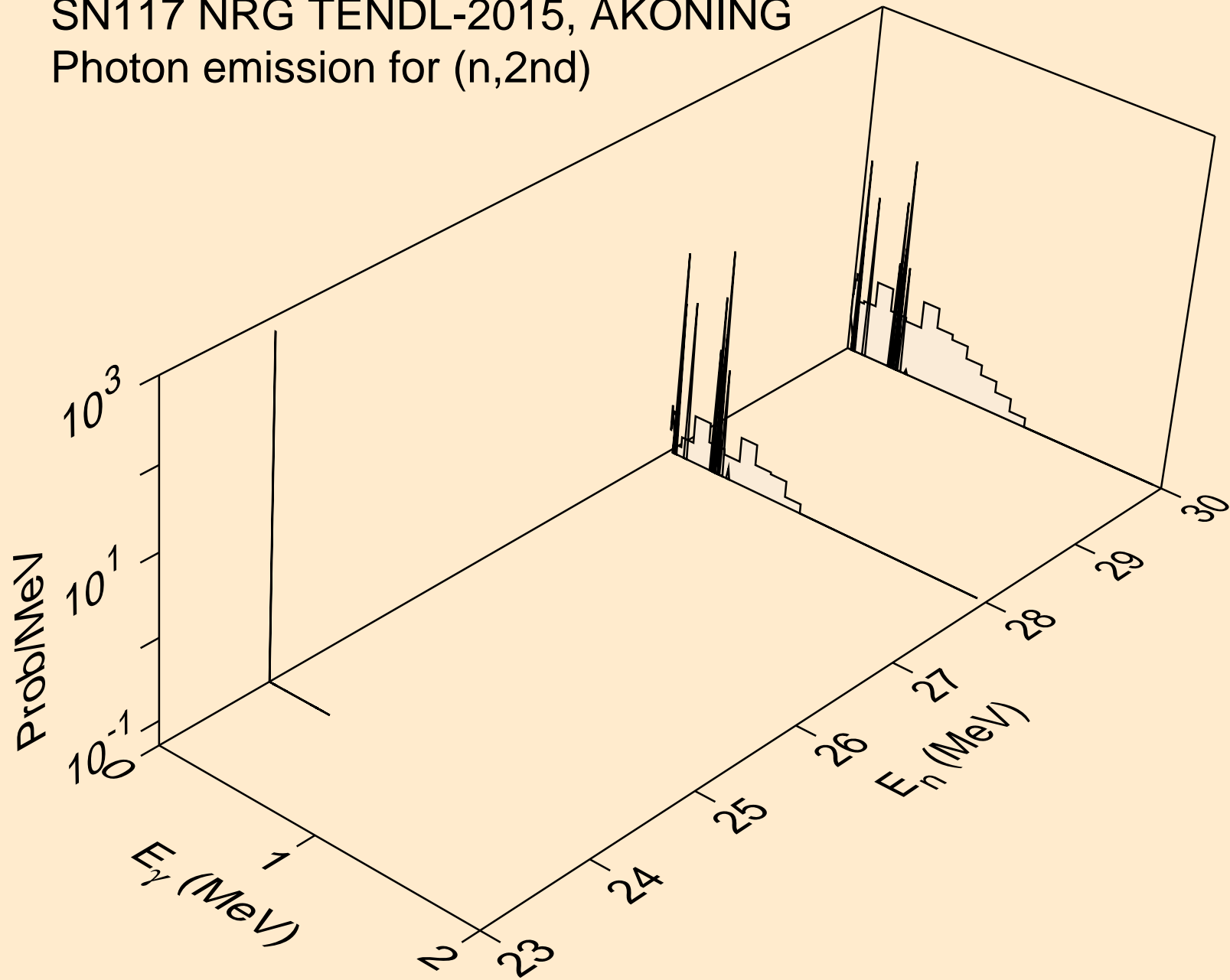
SN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



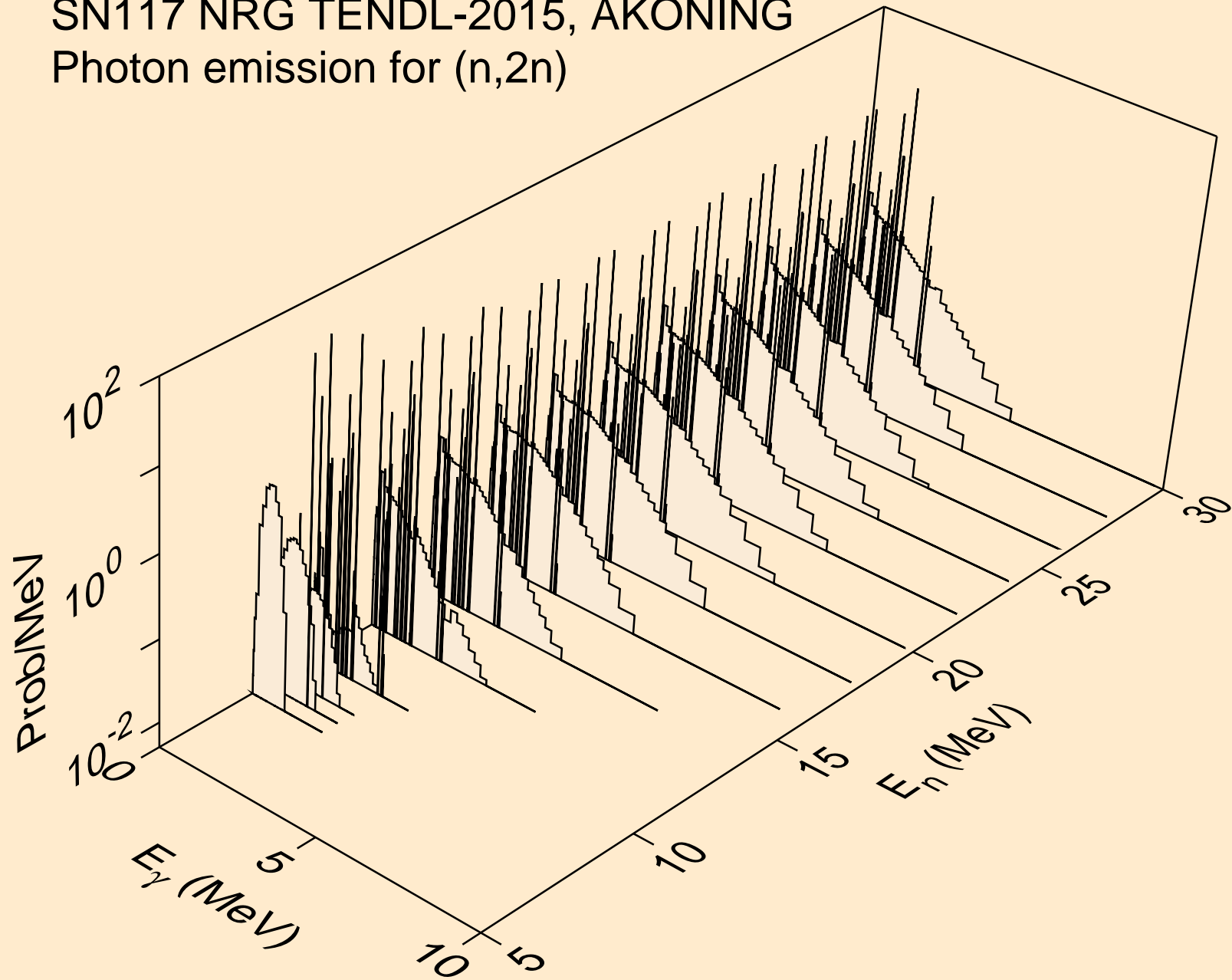
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



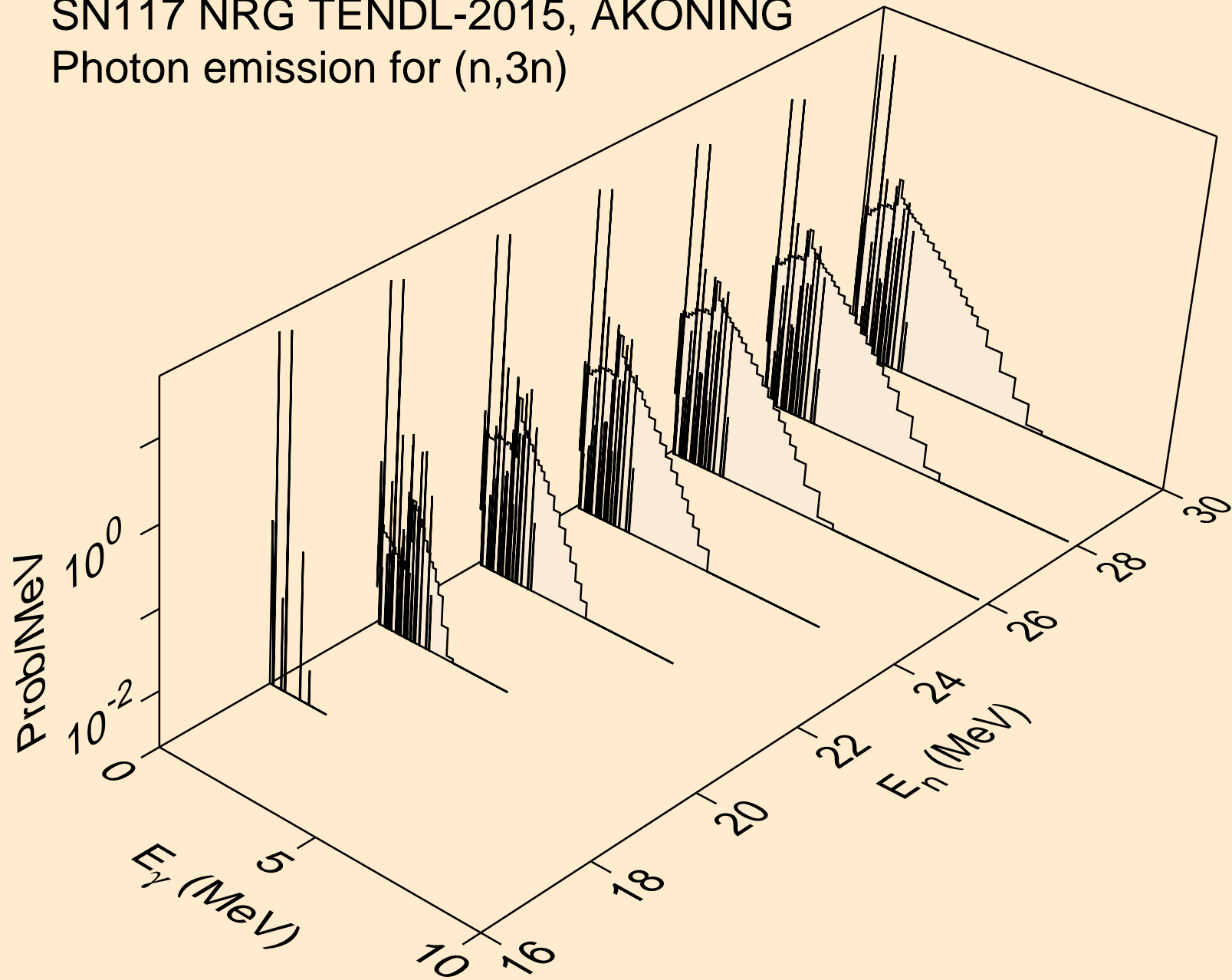
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



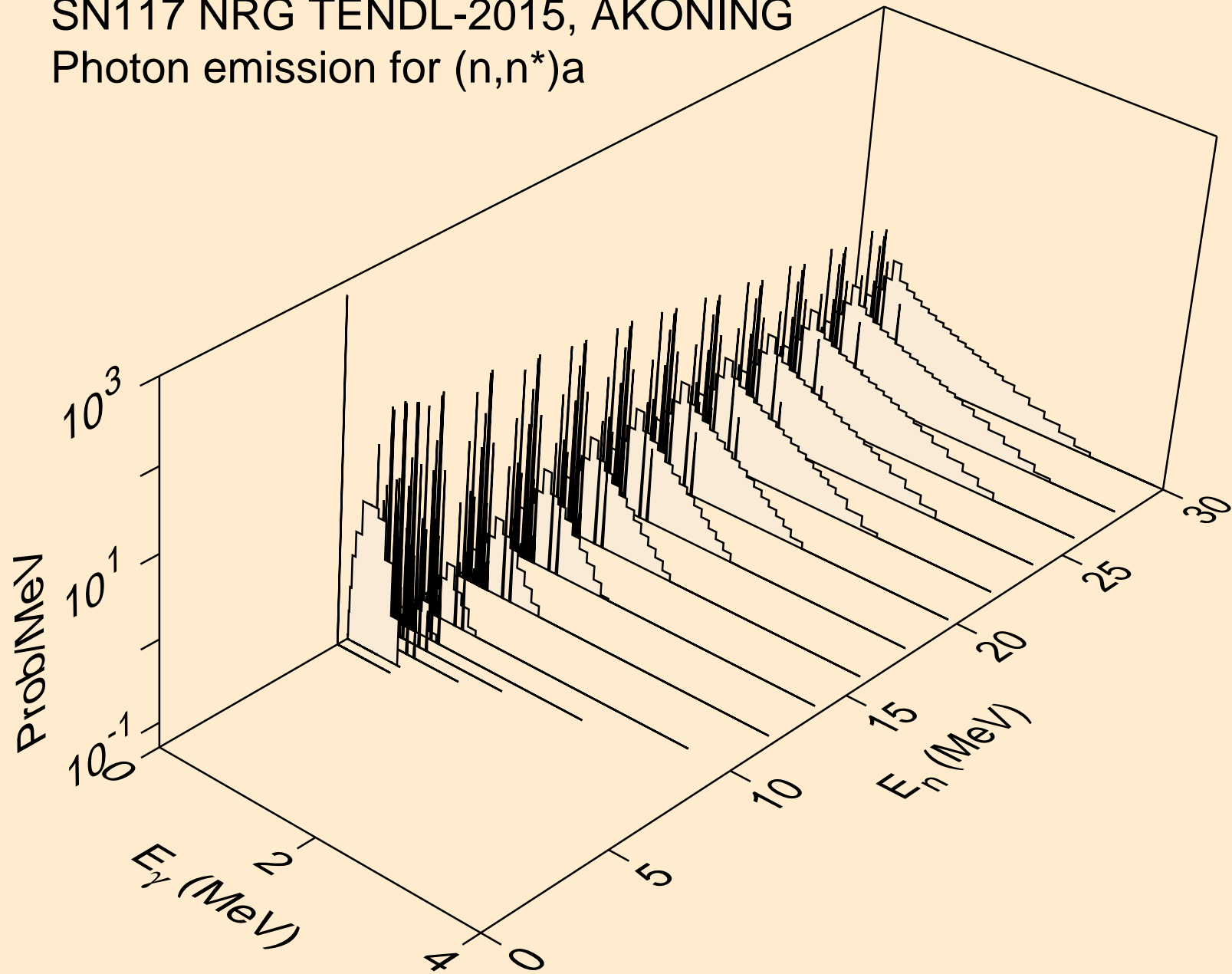
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



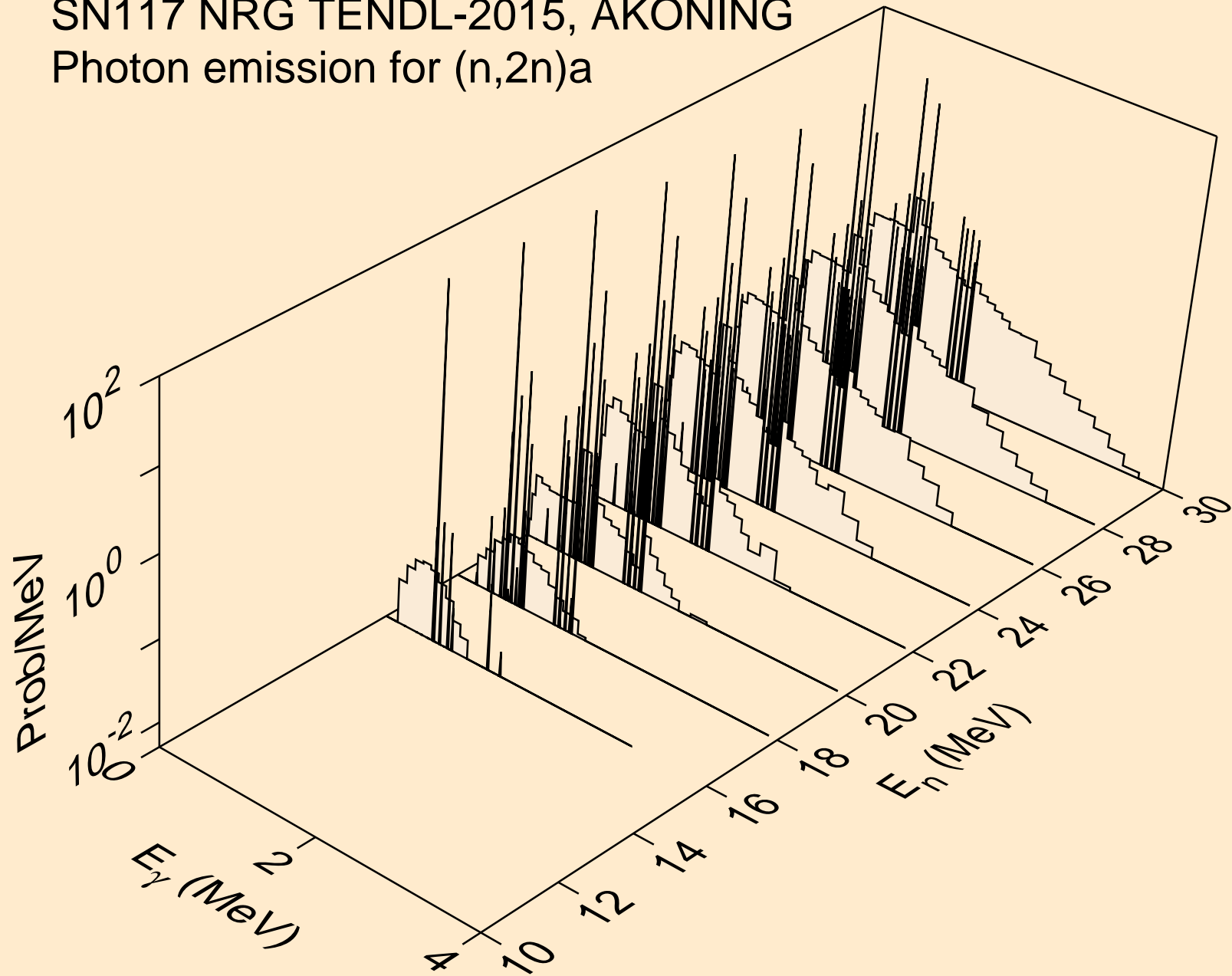
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

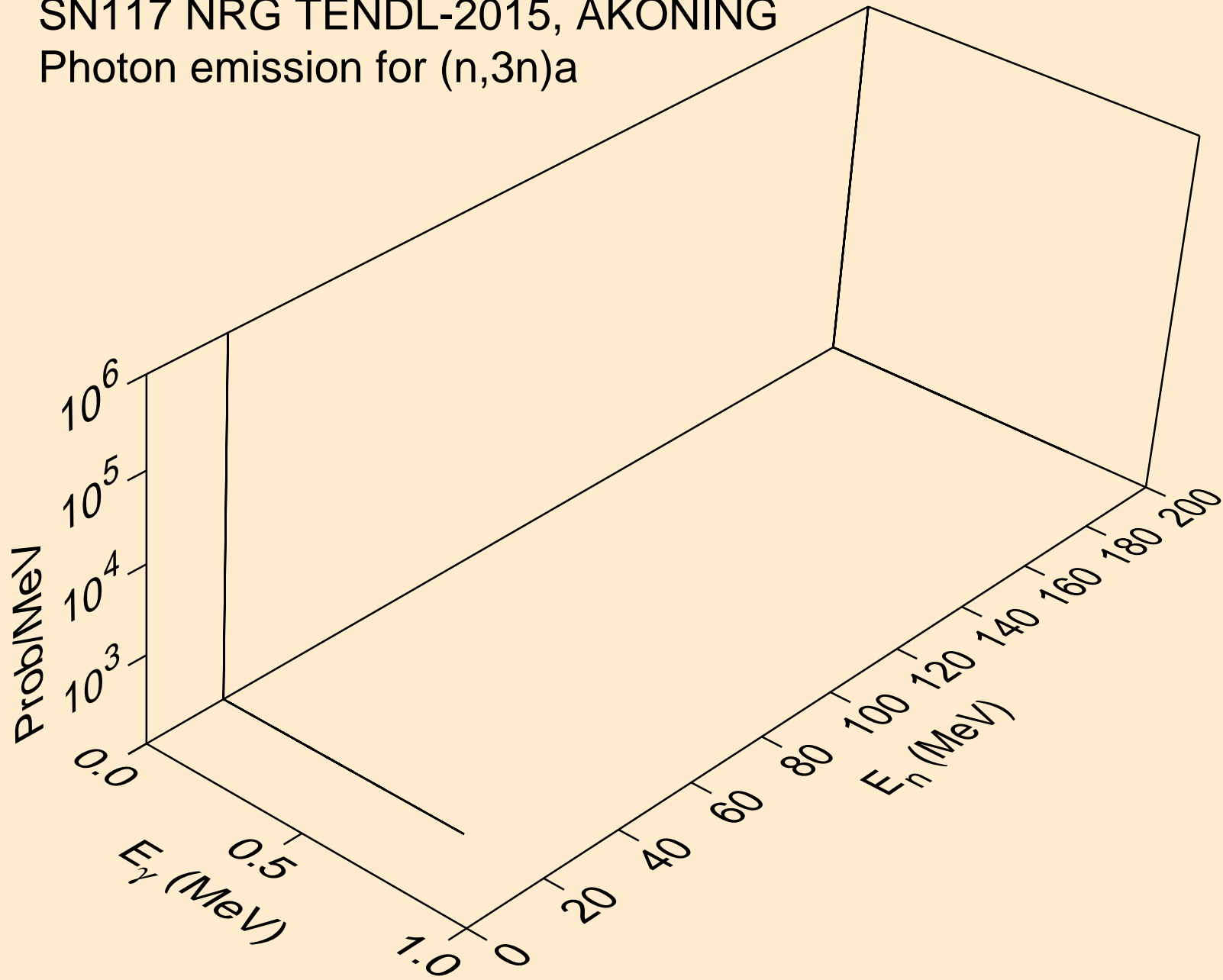


SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



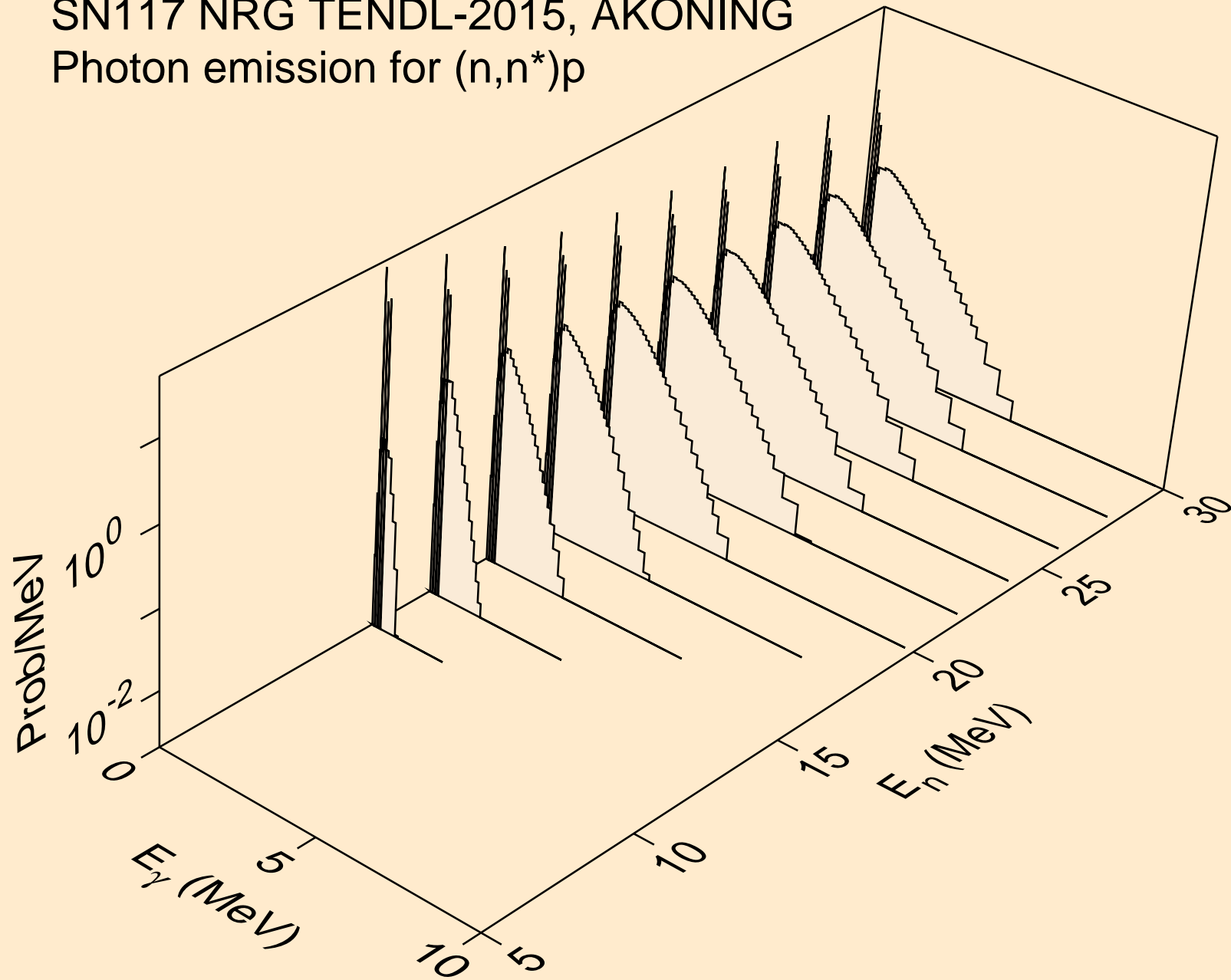


SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

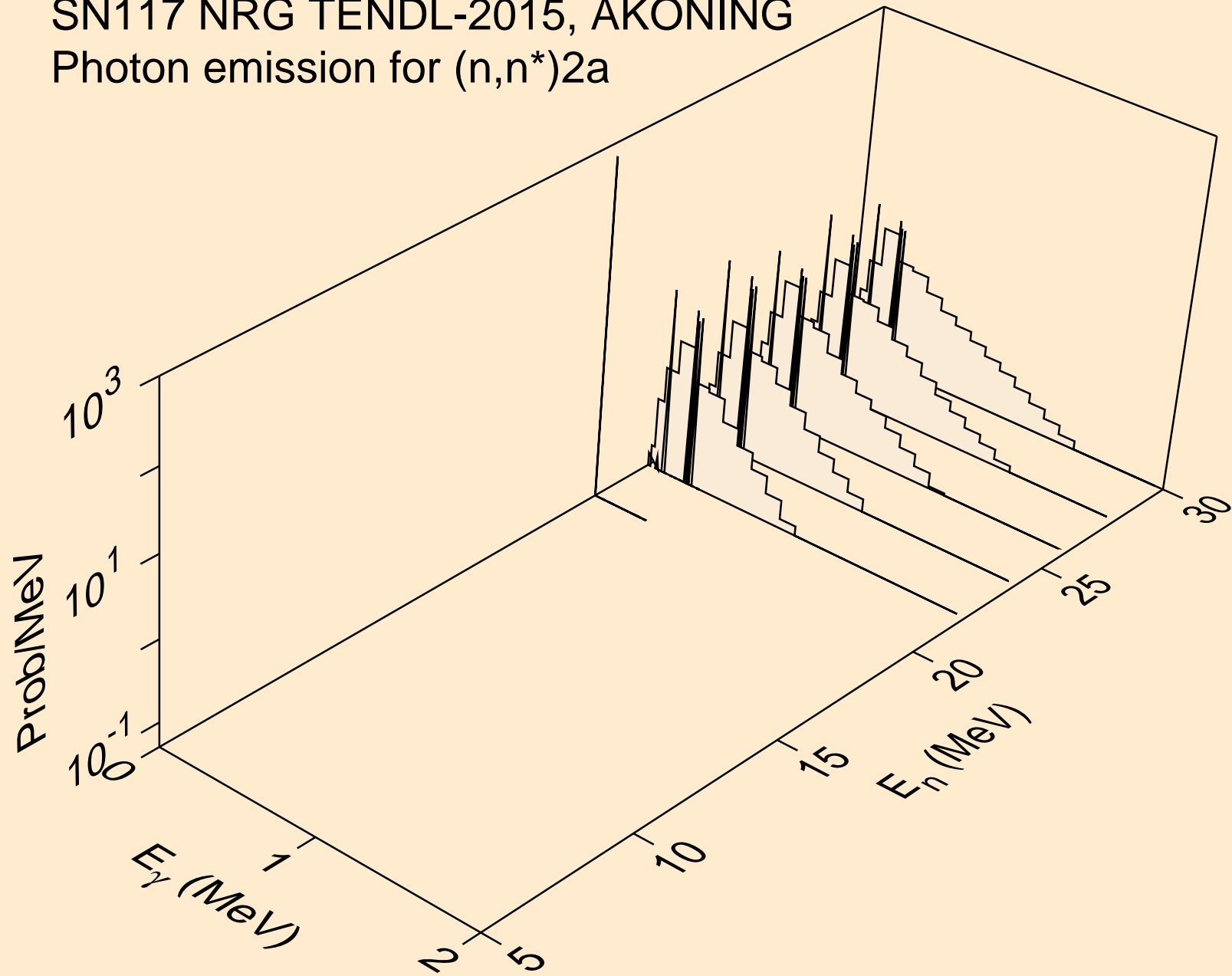


# SN117 NRG TENDL-2015, AKONING

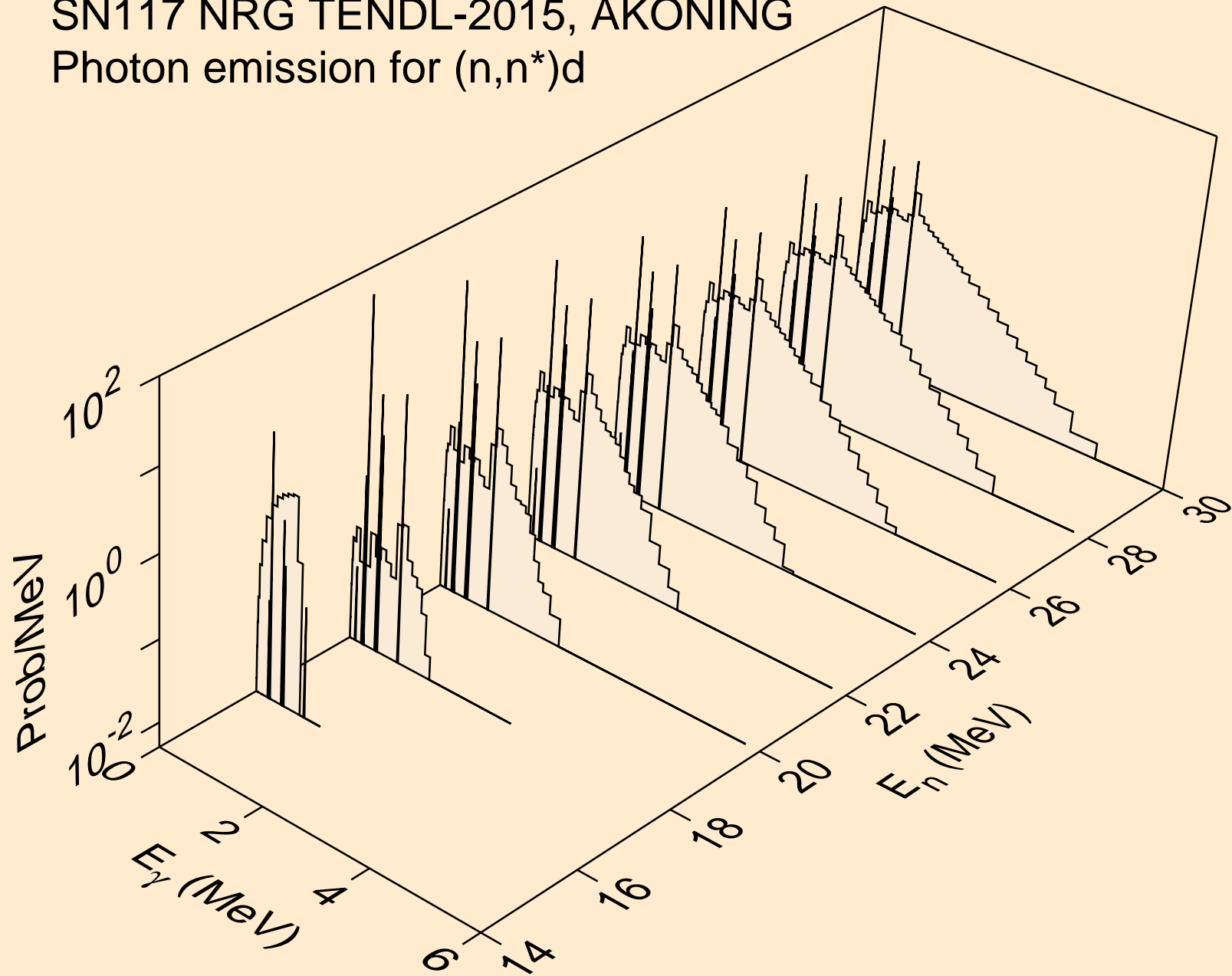
Photon emission for (n,n\*)p



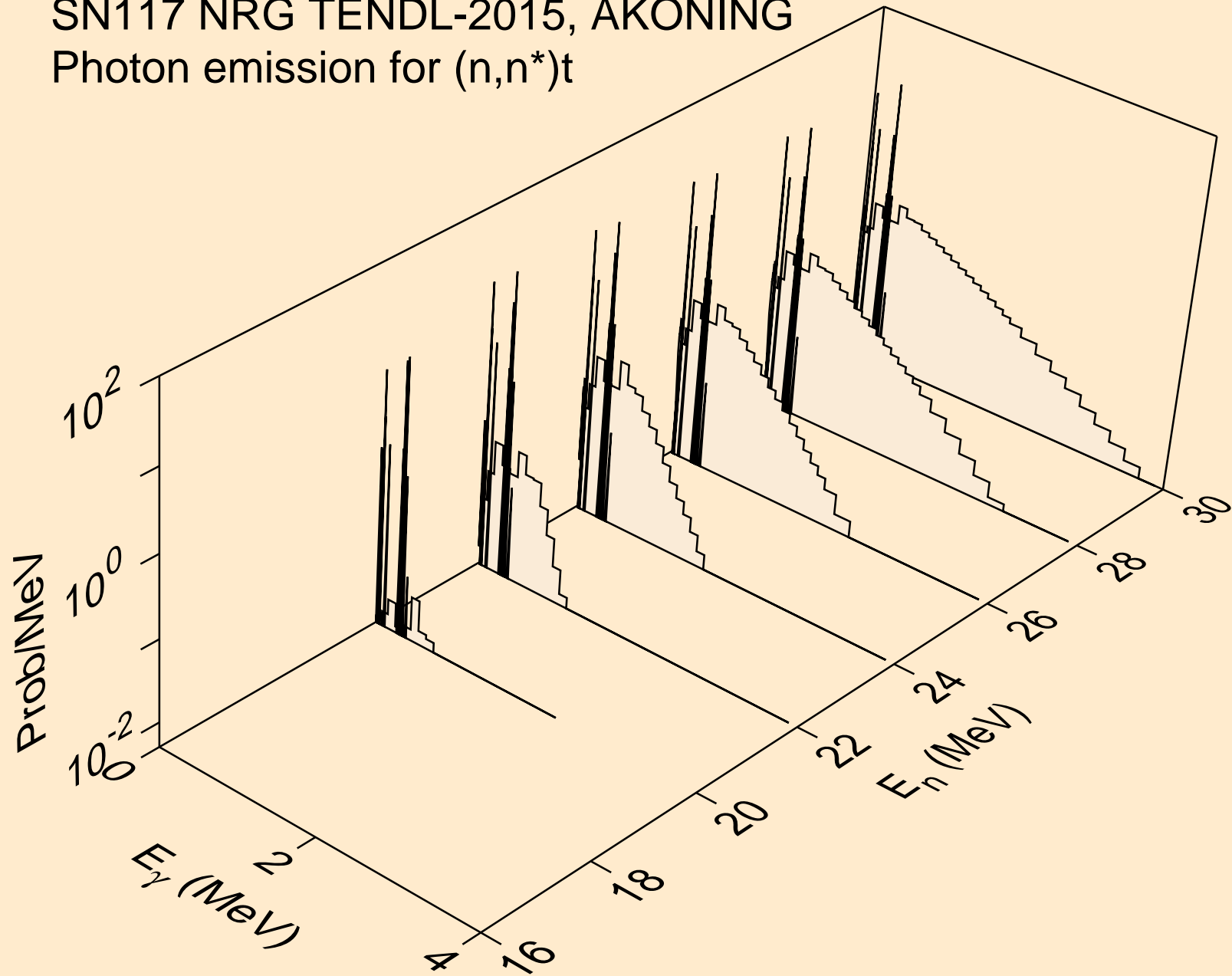
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



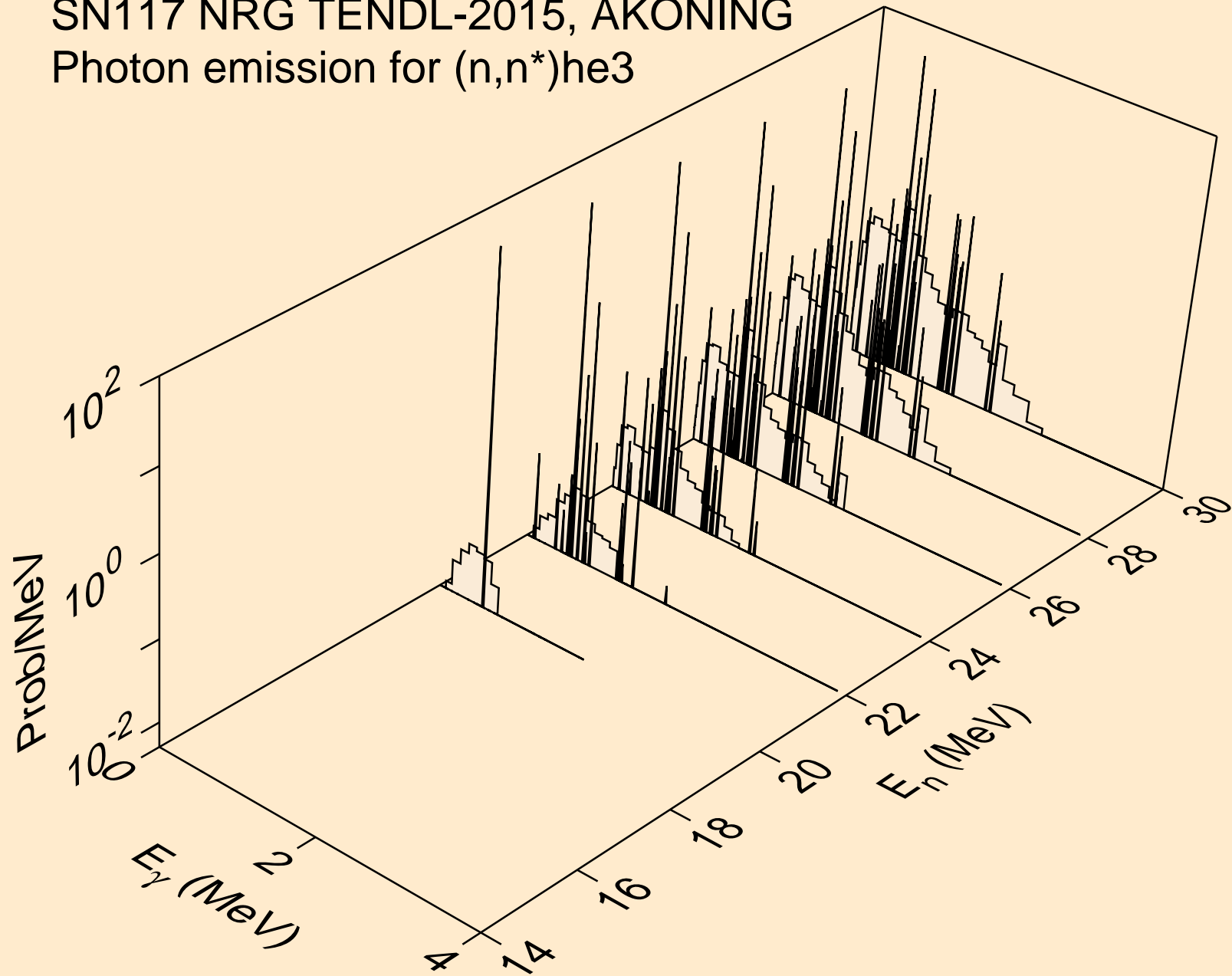
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



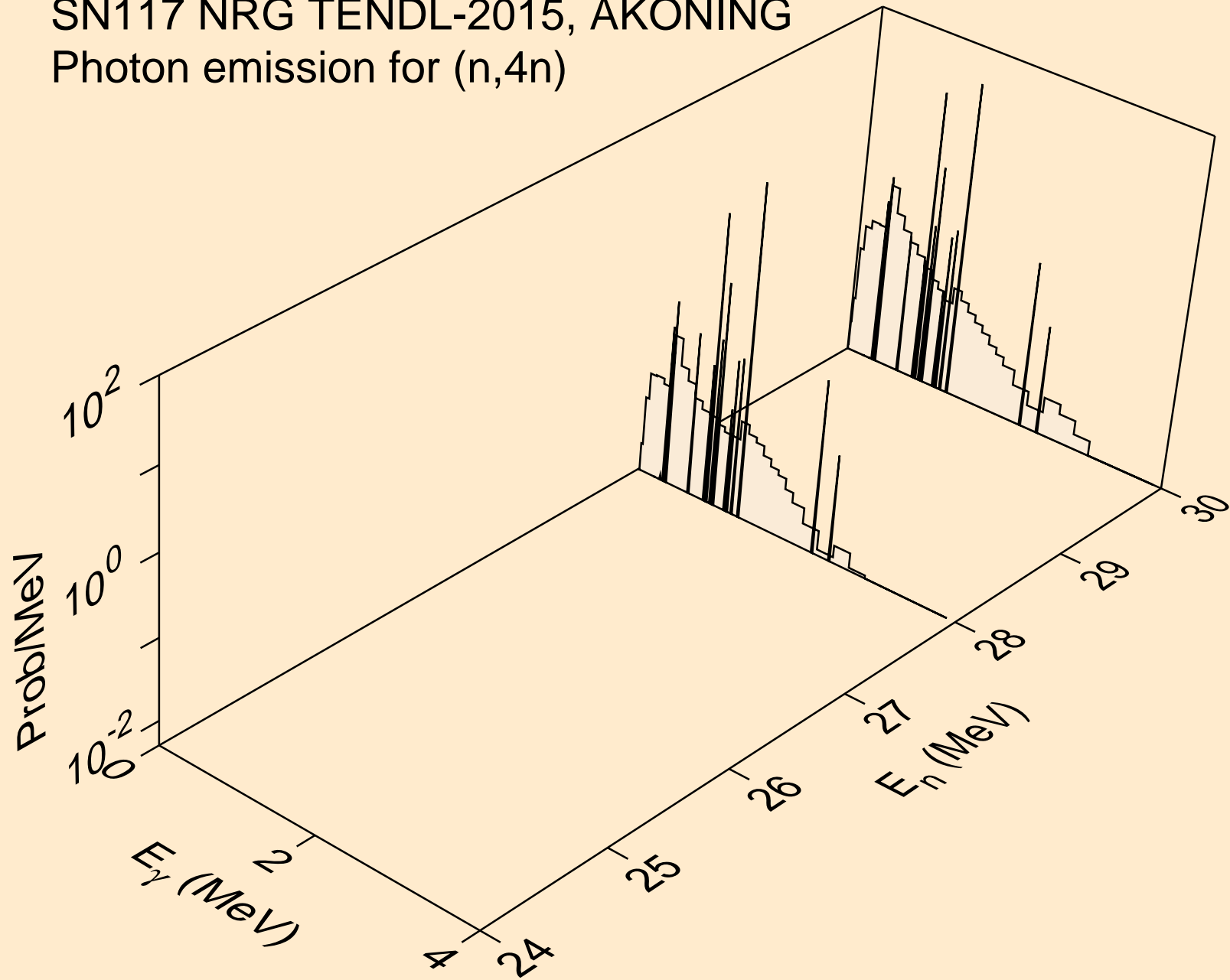
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



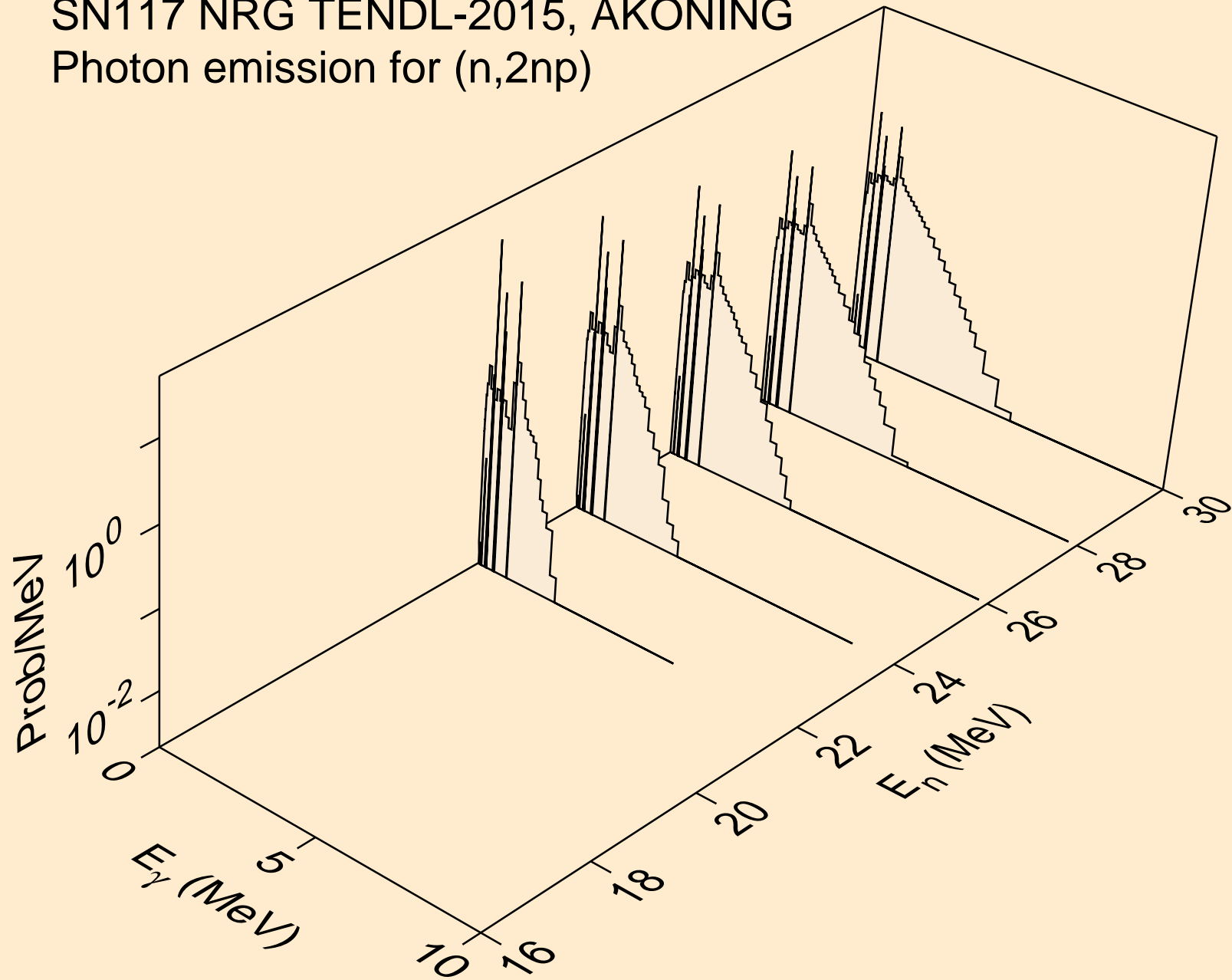
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

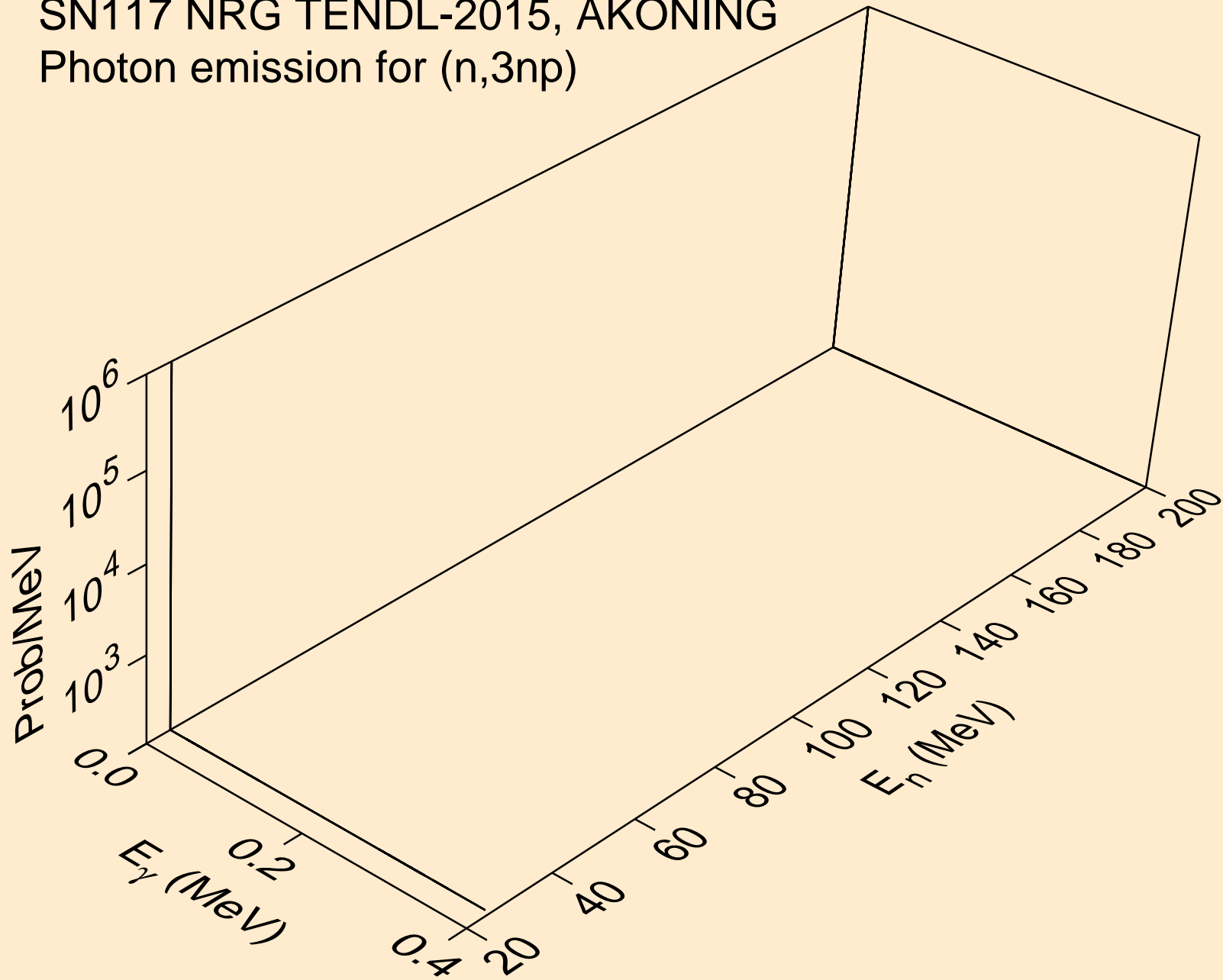


SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

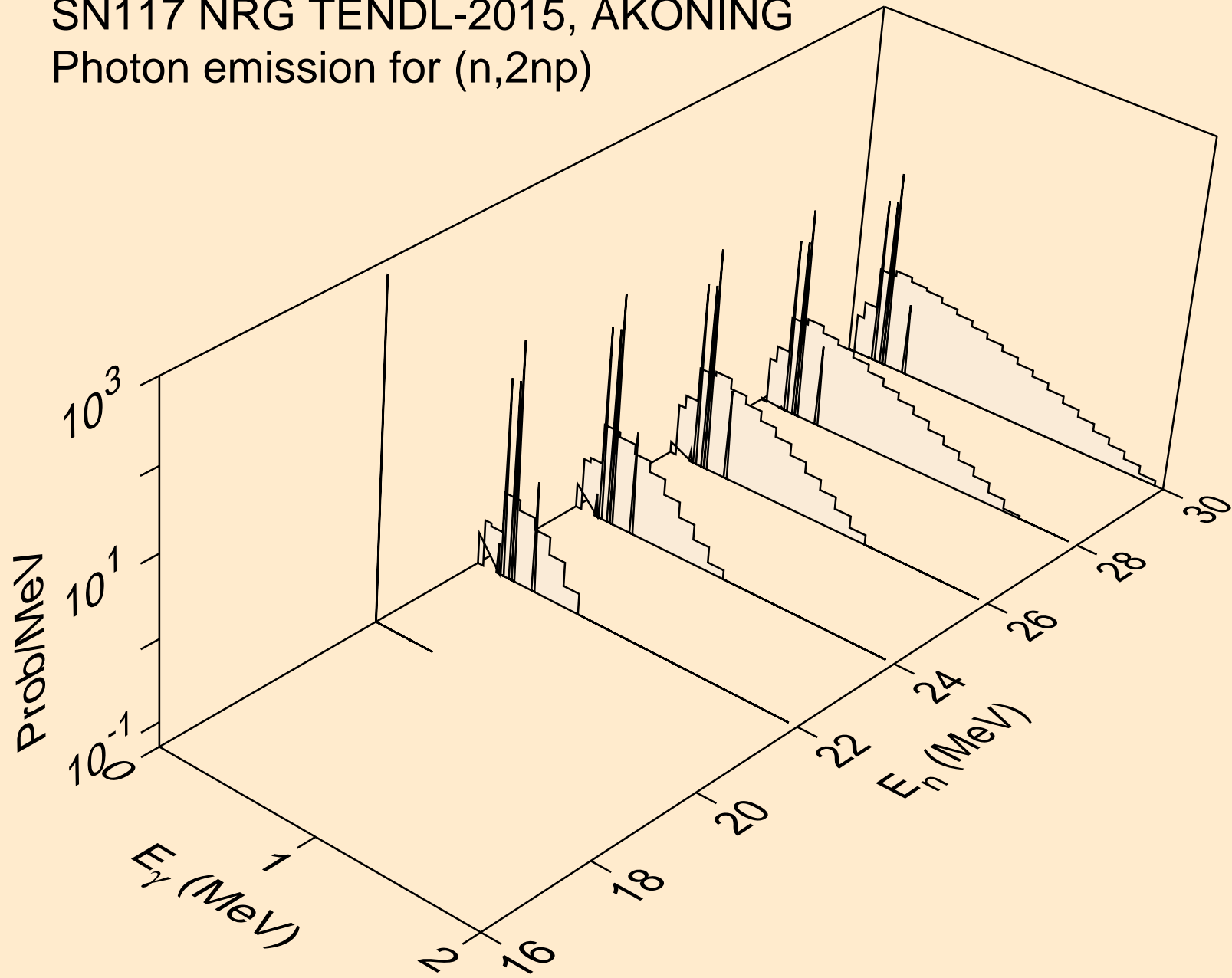




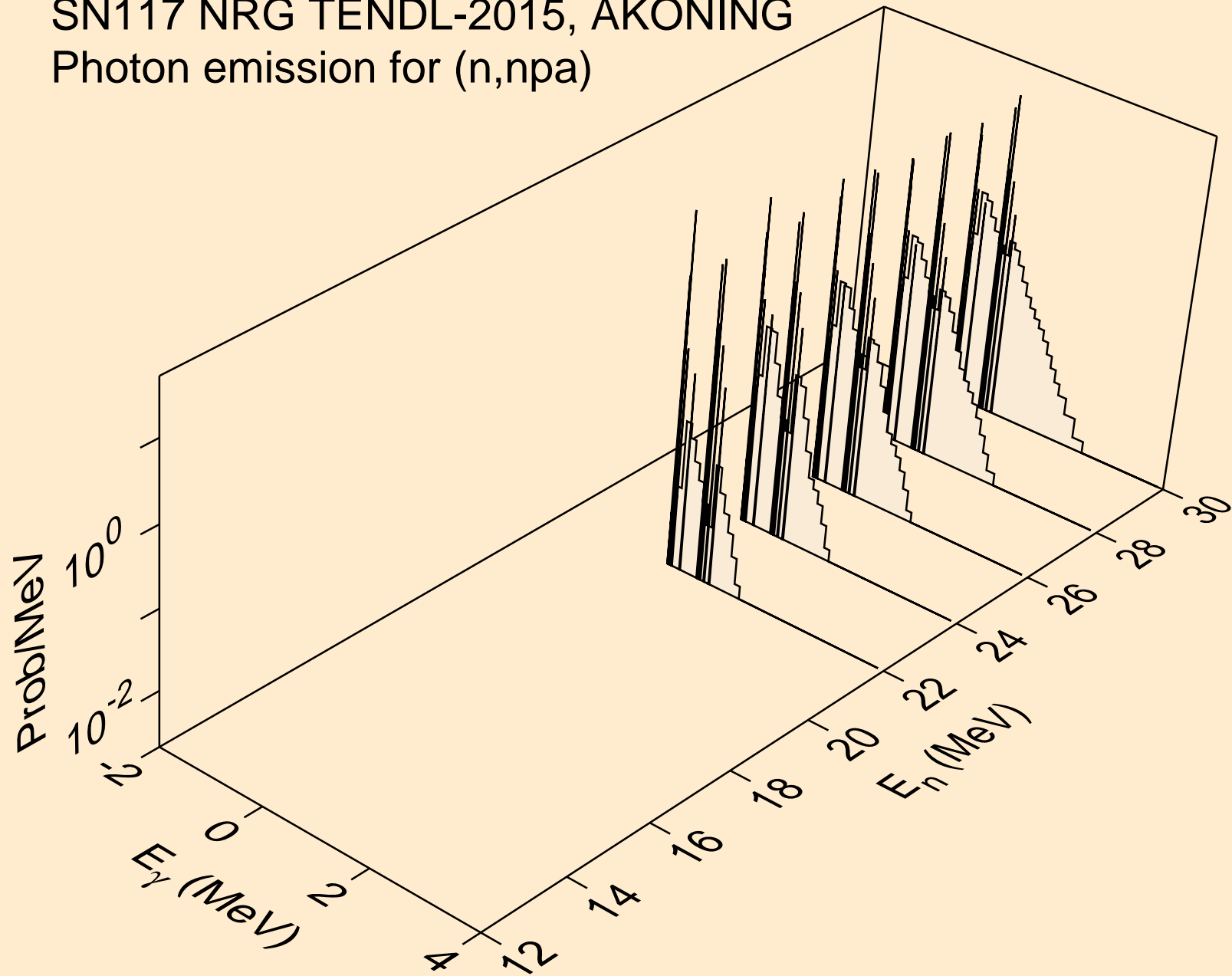
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



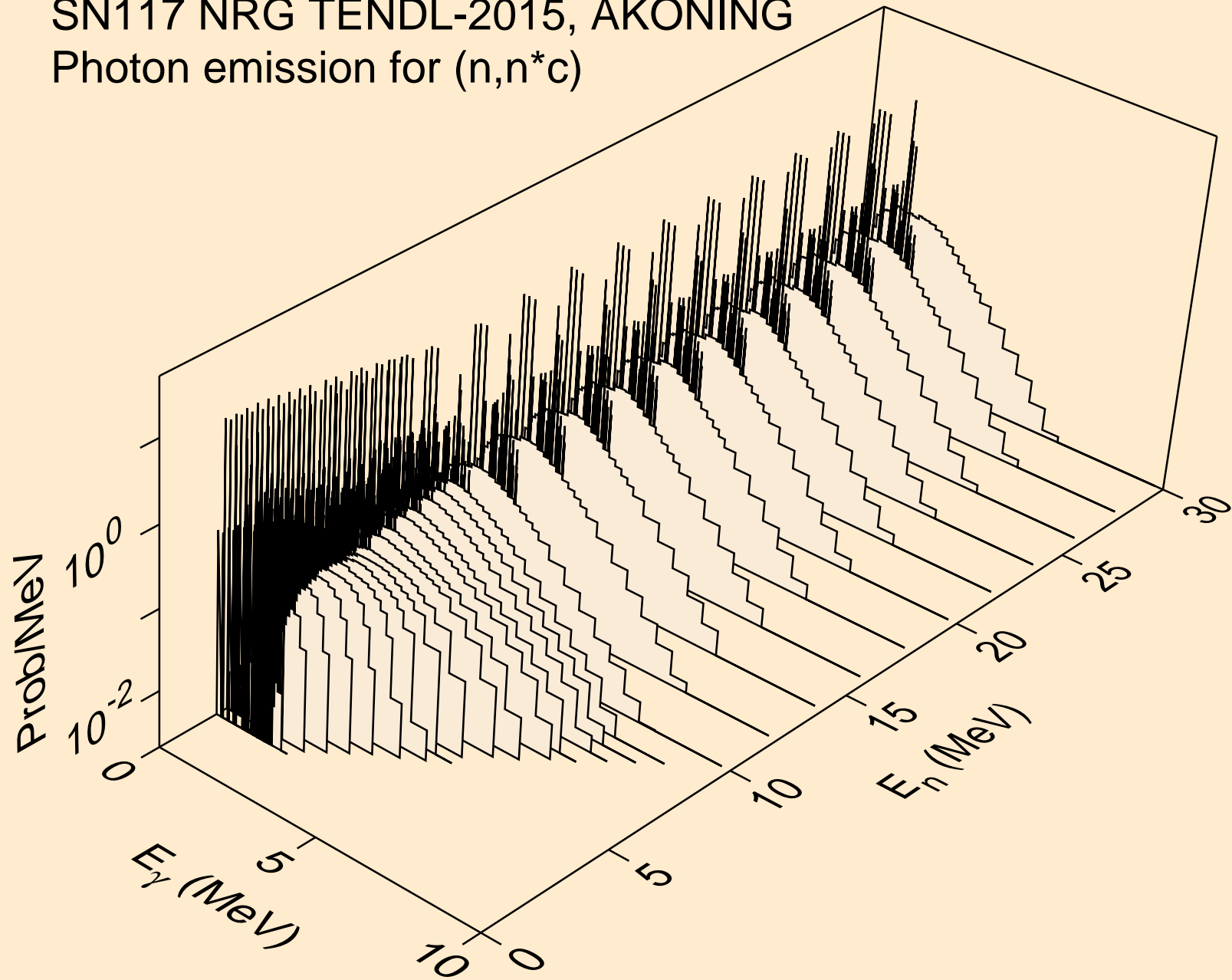
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



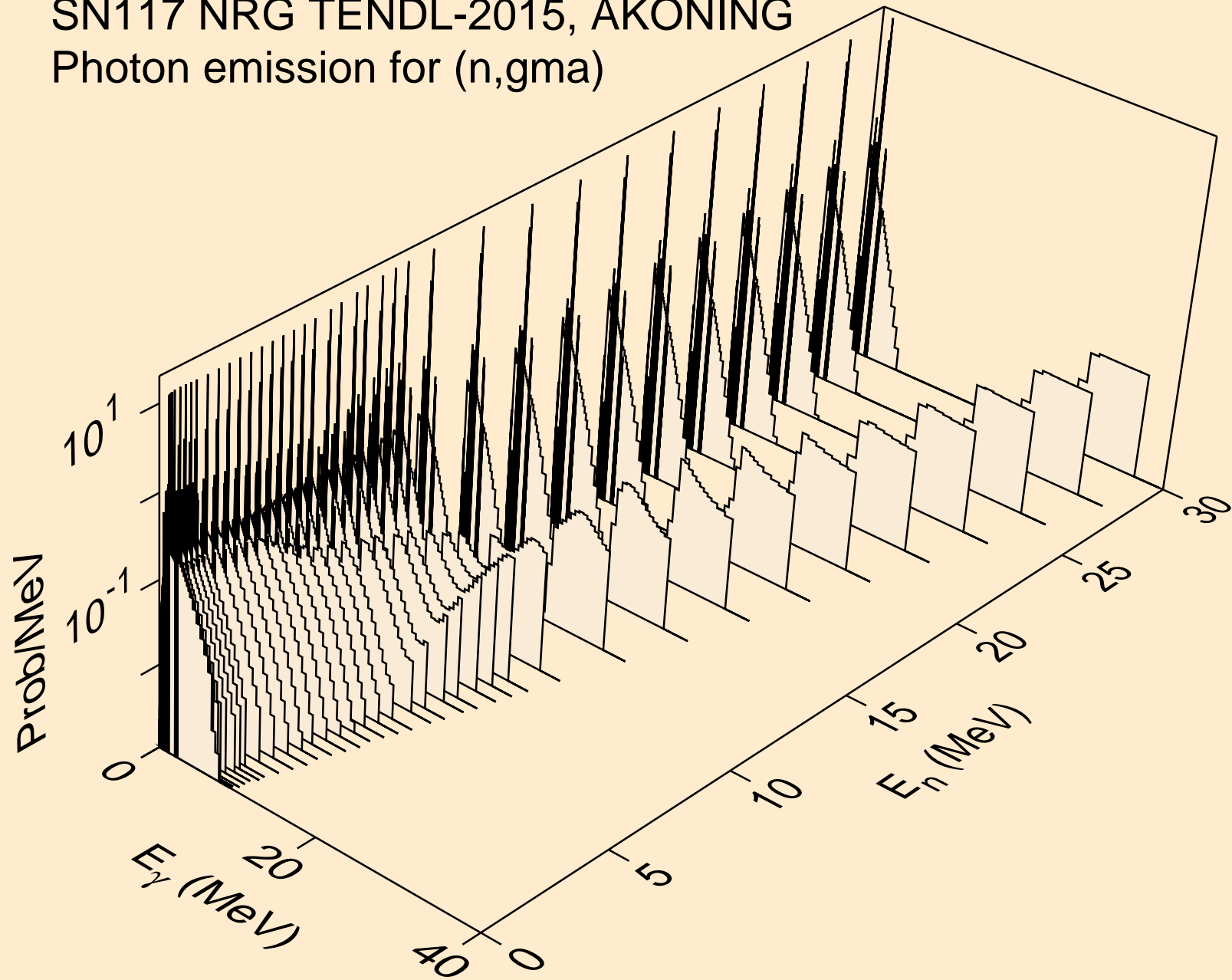
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



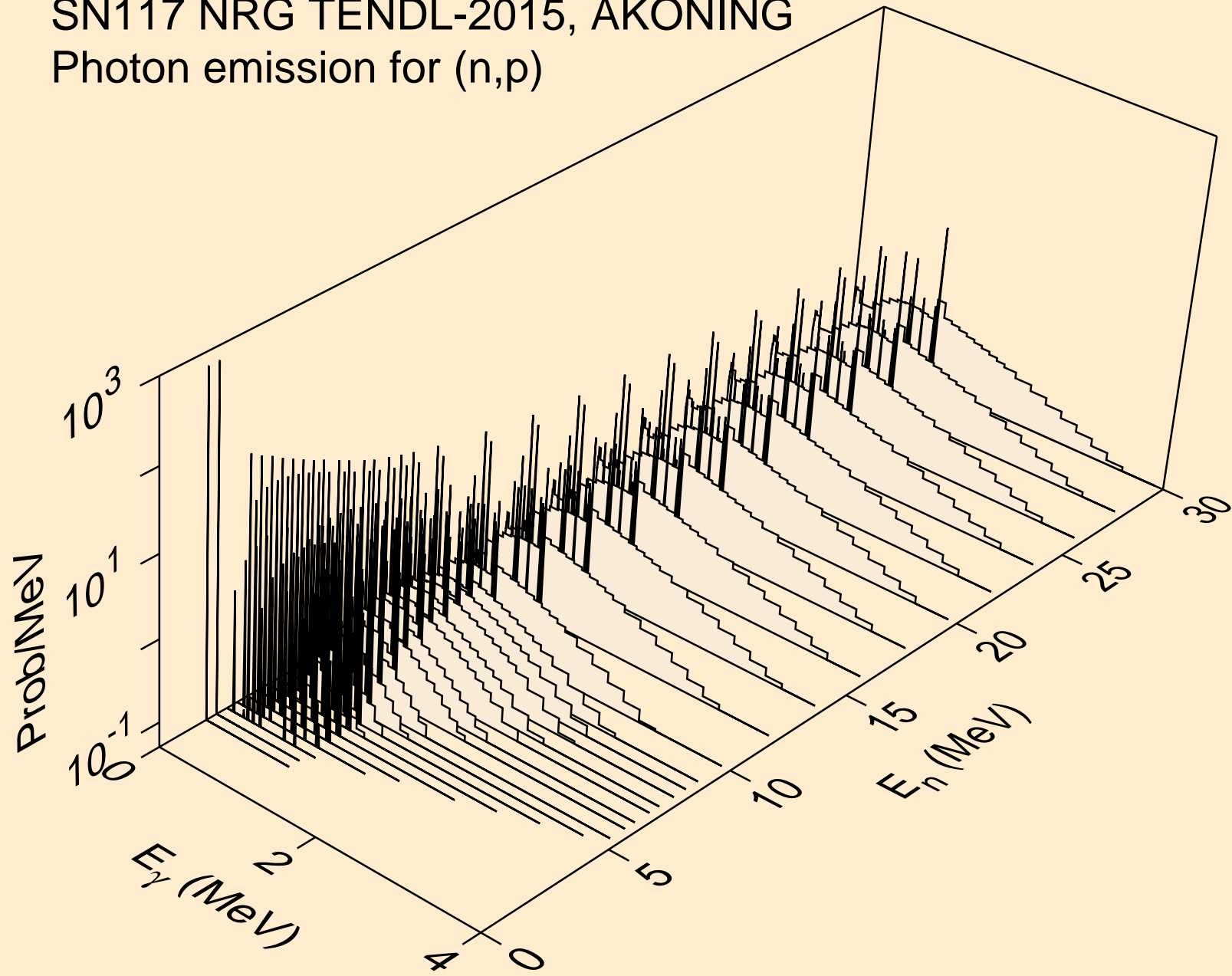
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



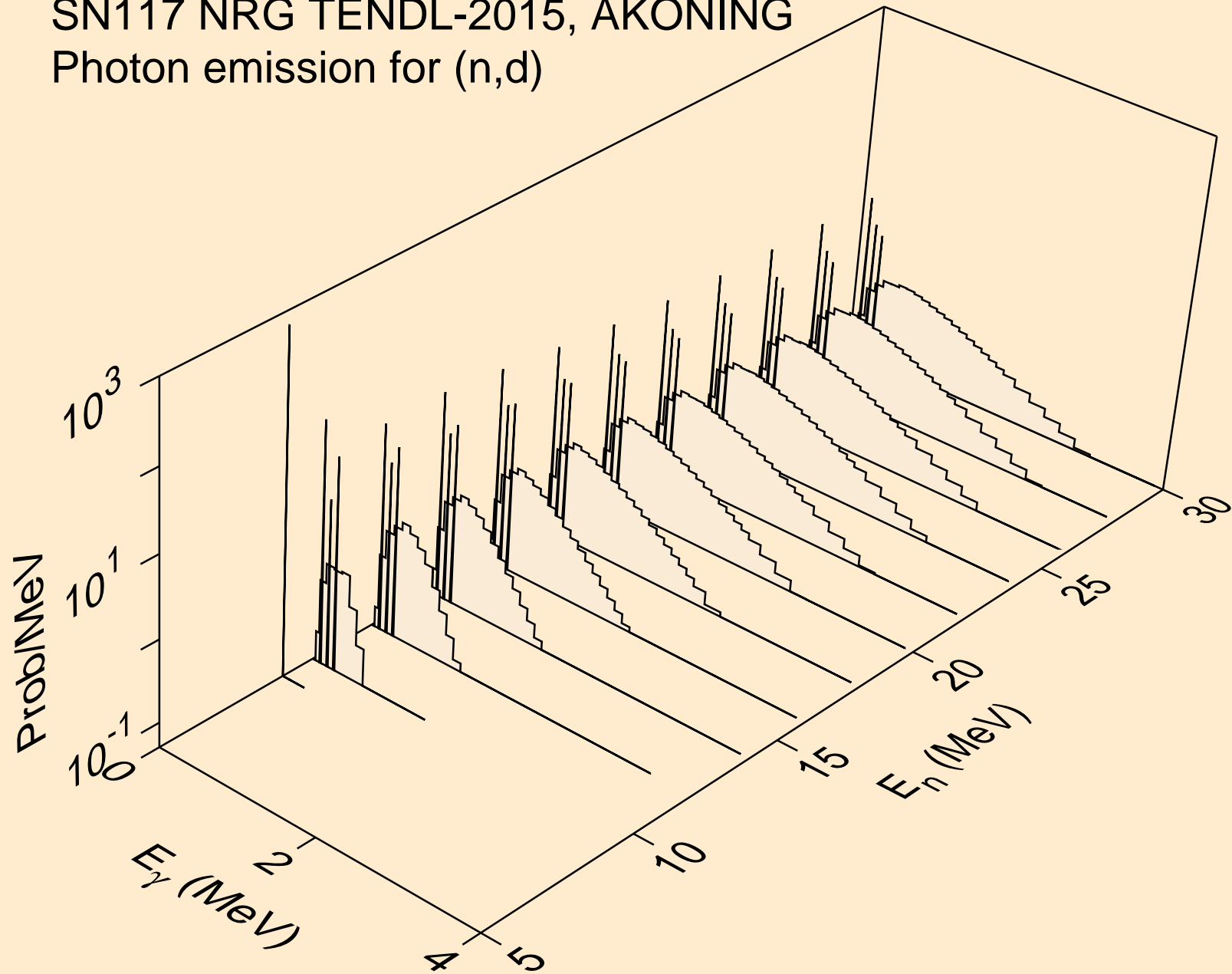
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



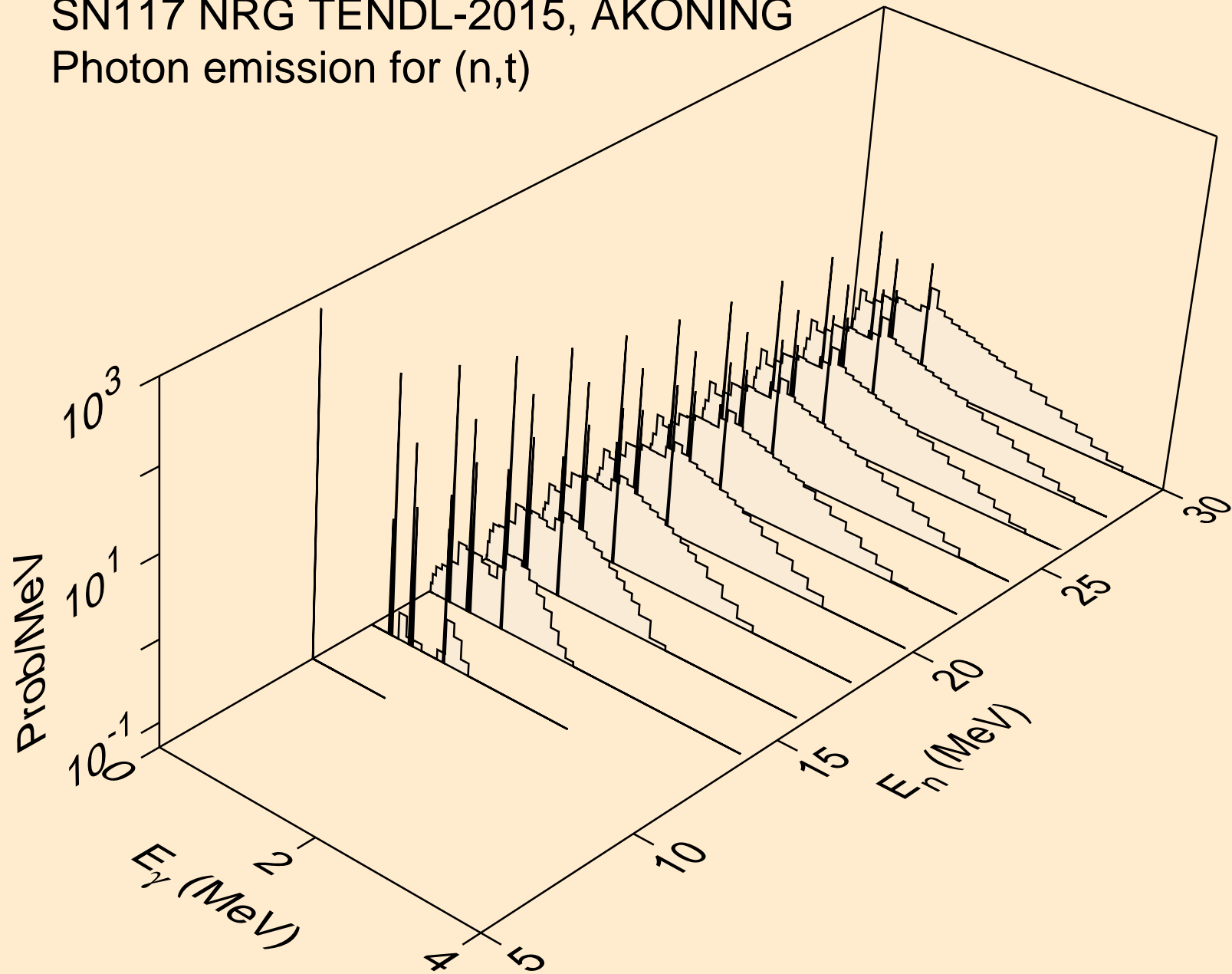
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

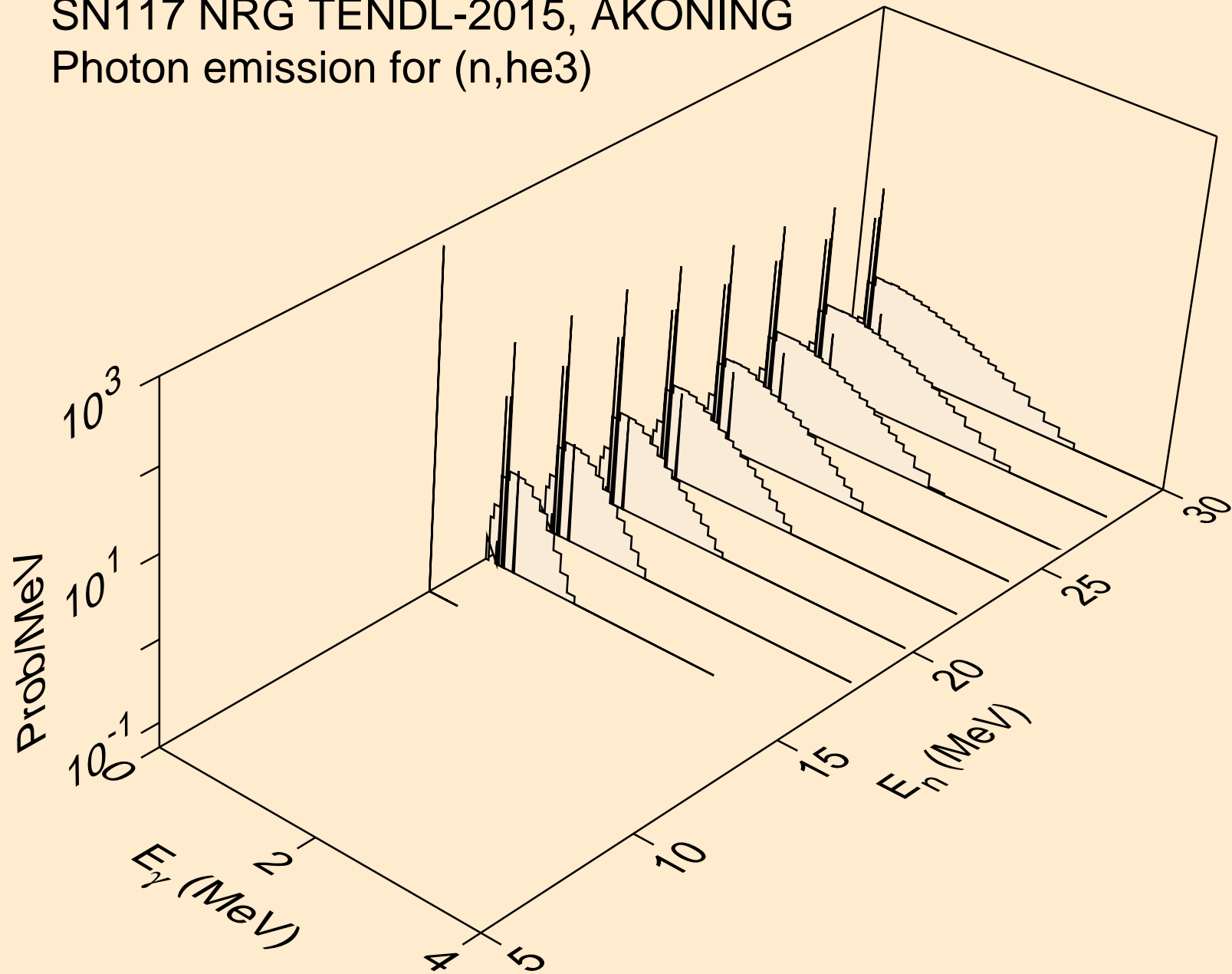


SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

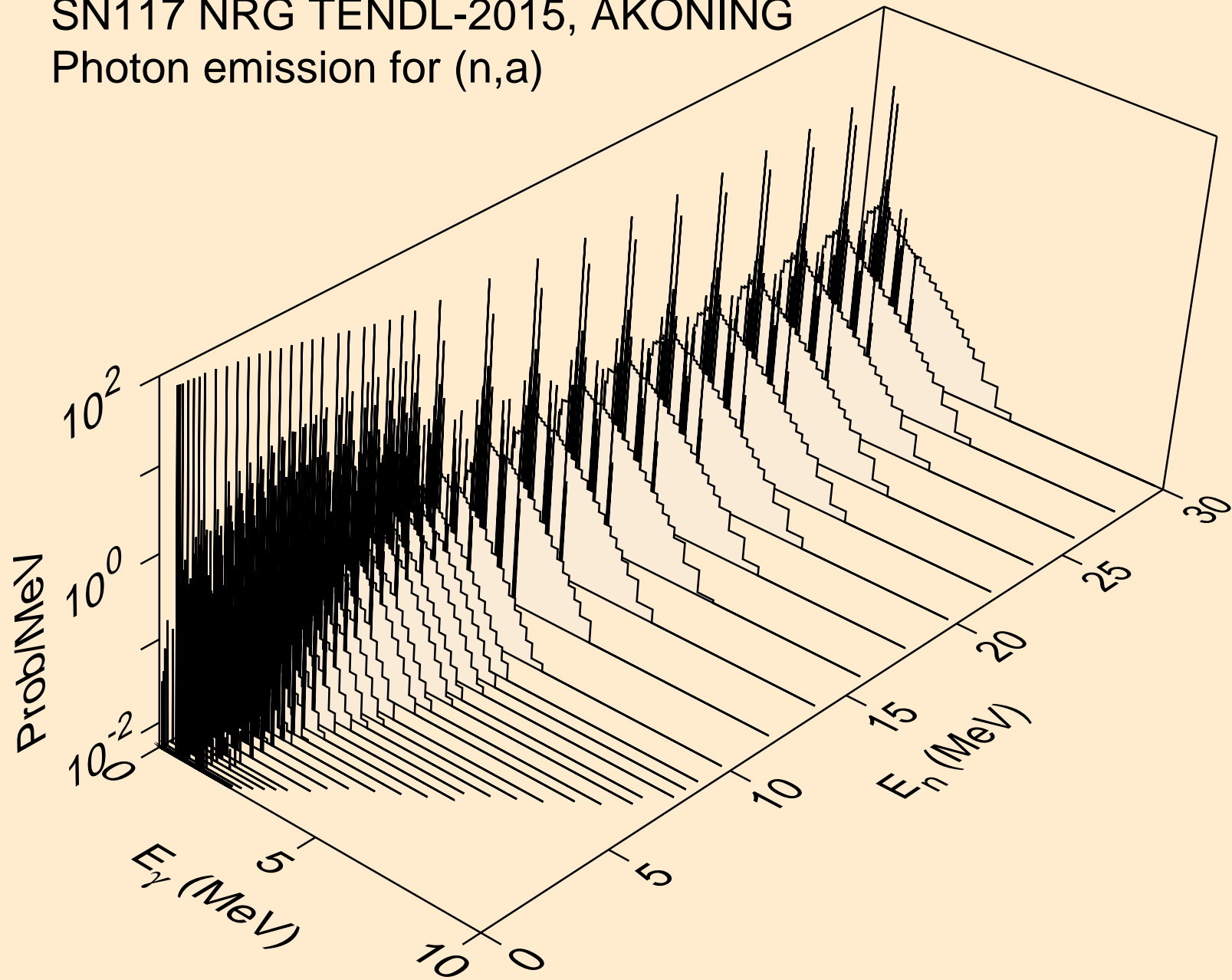




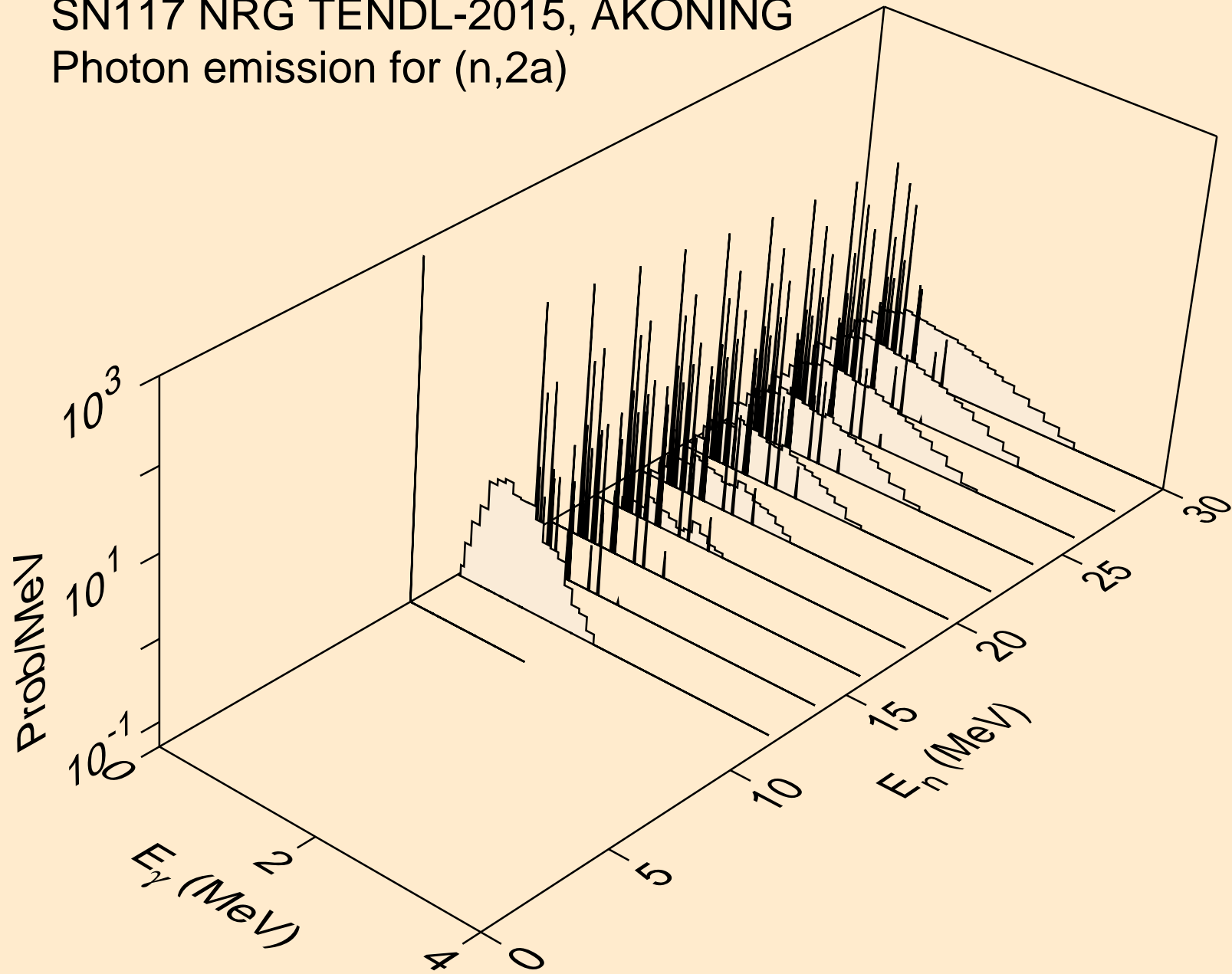
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



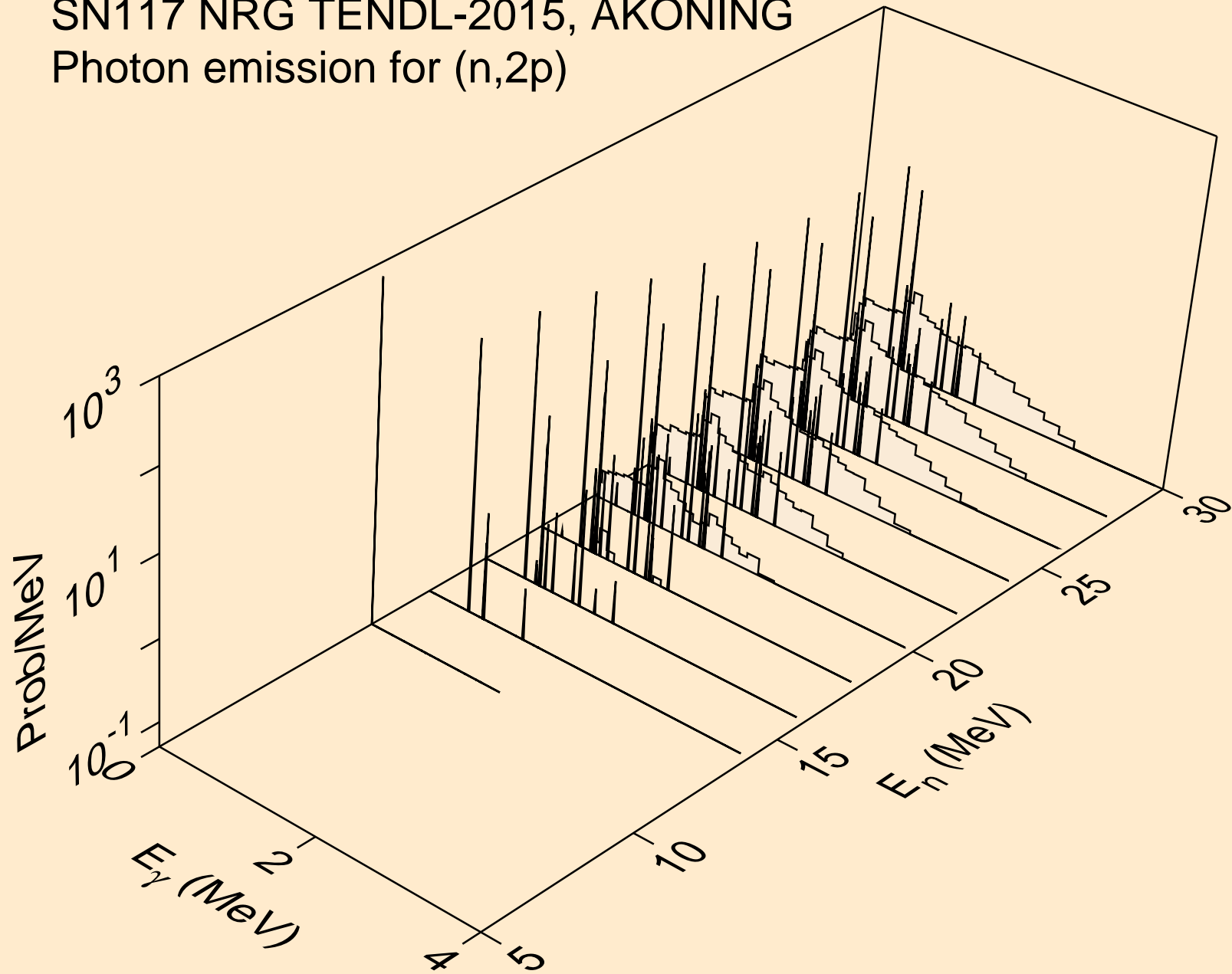
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



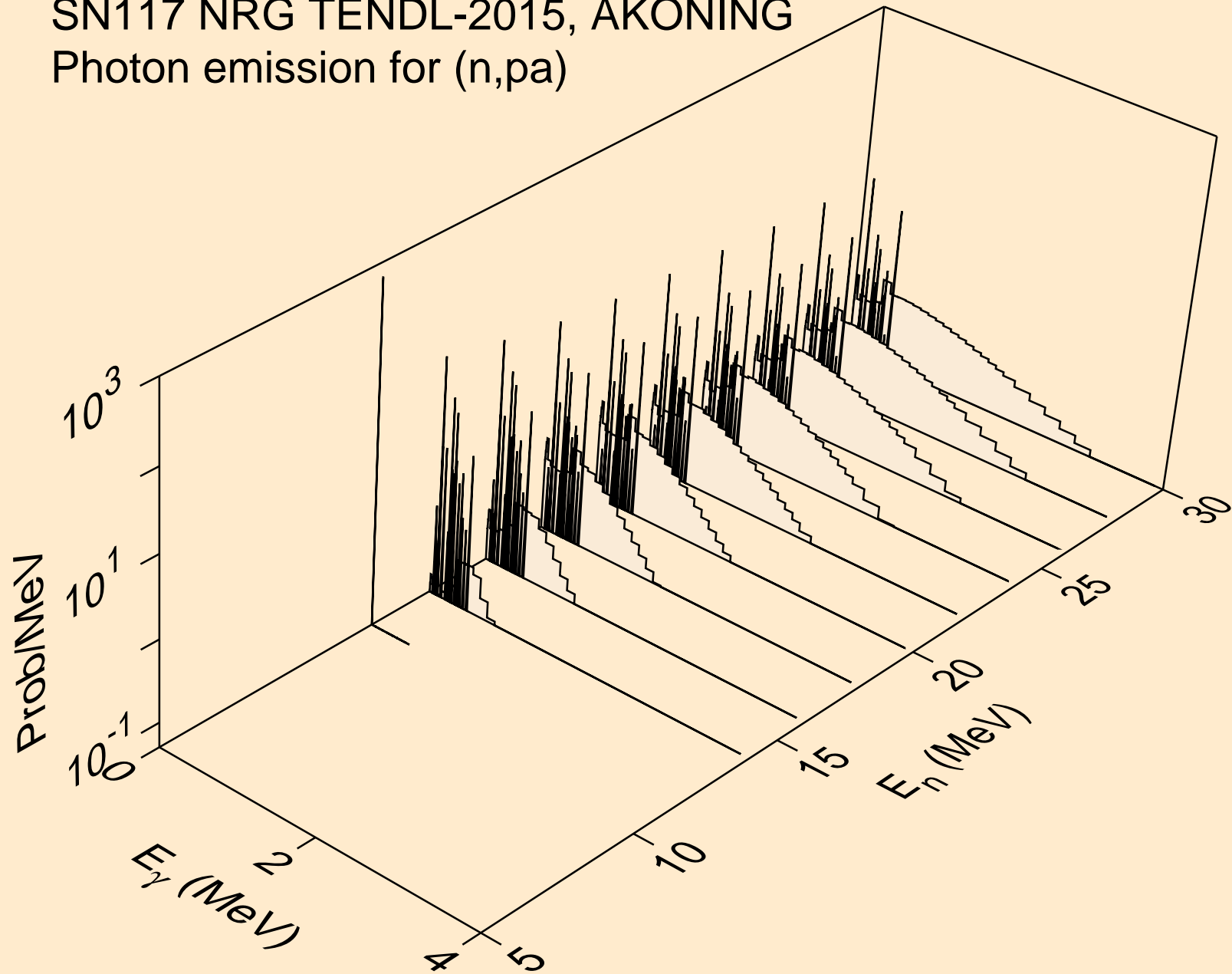
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



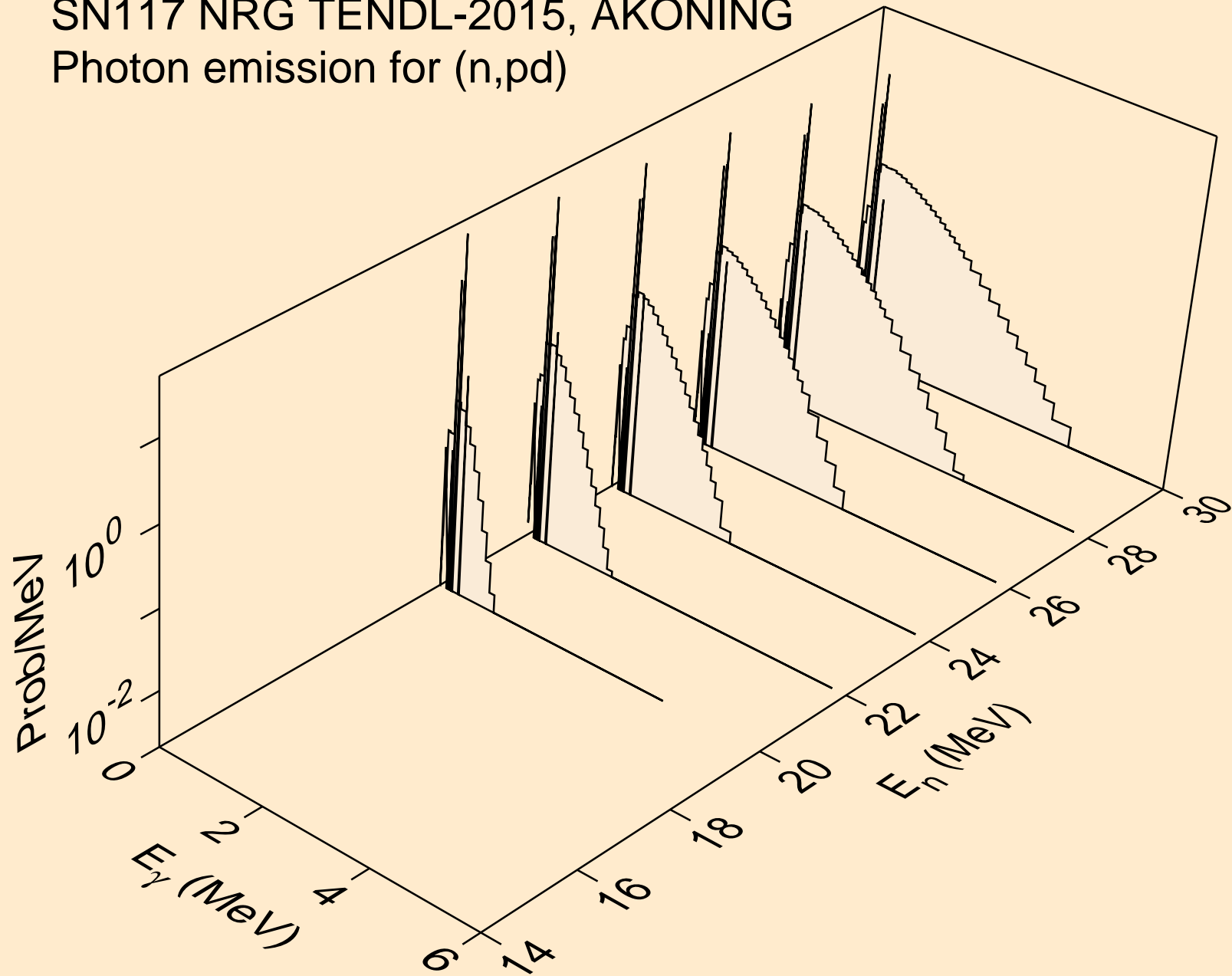
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



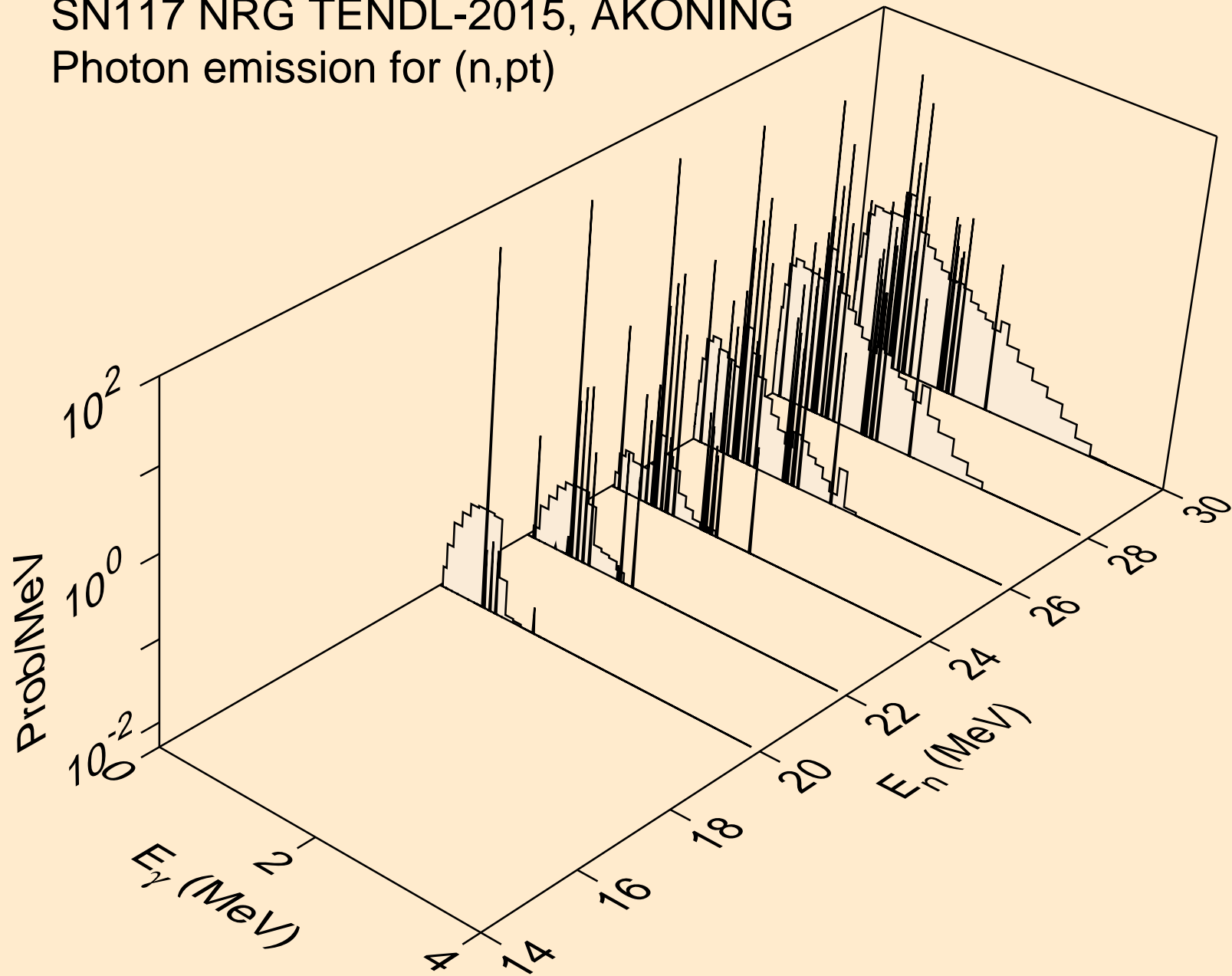
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



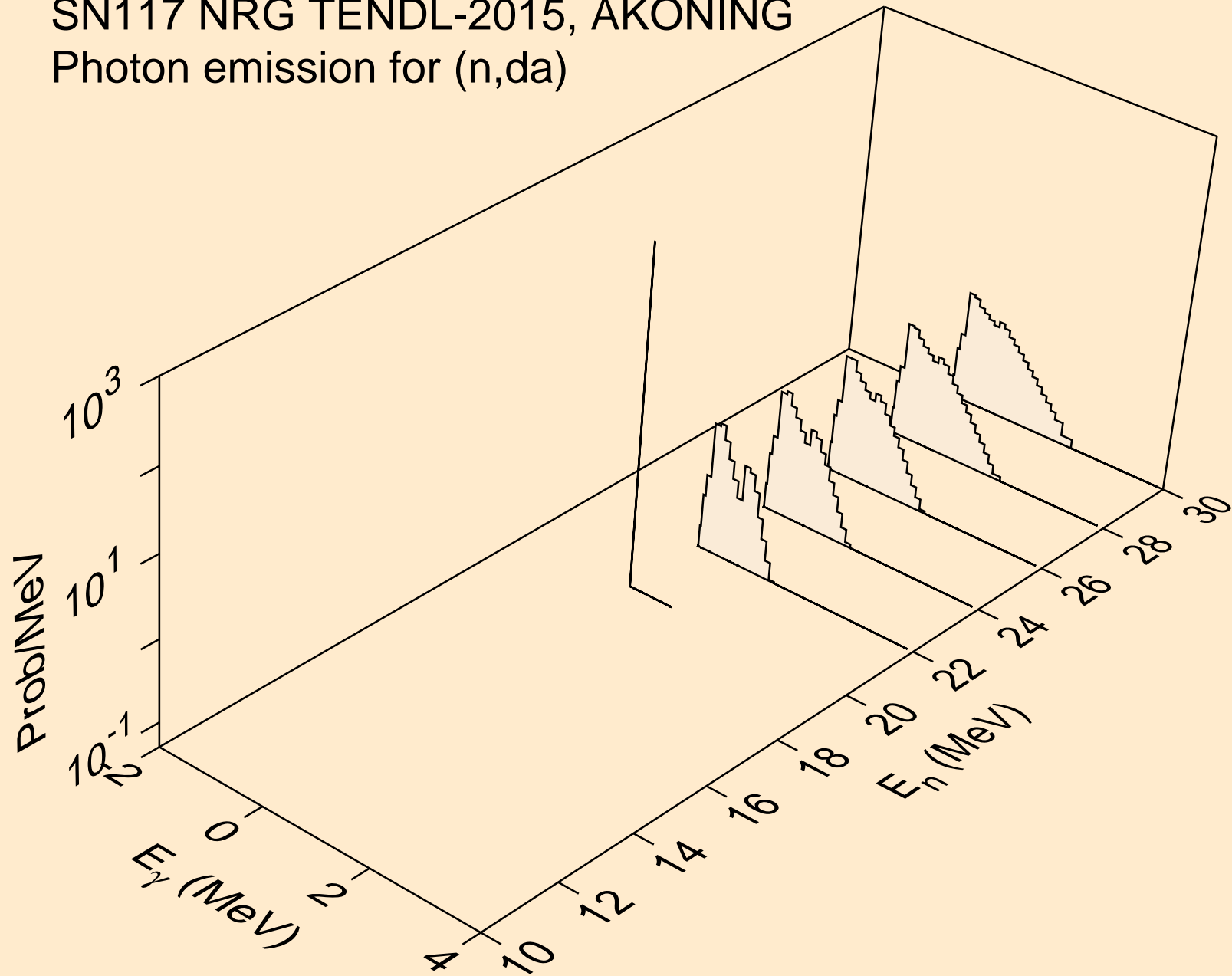
SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

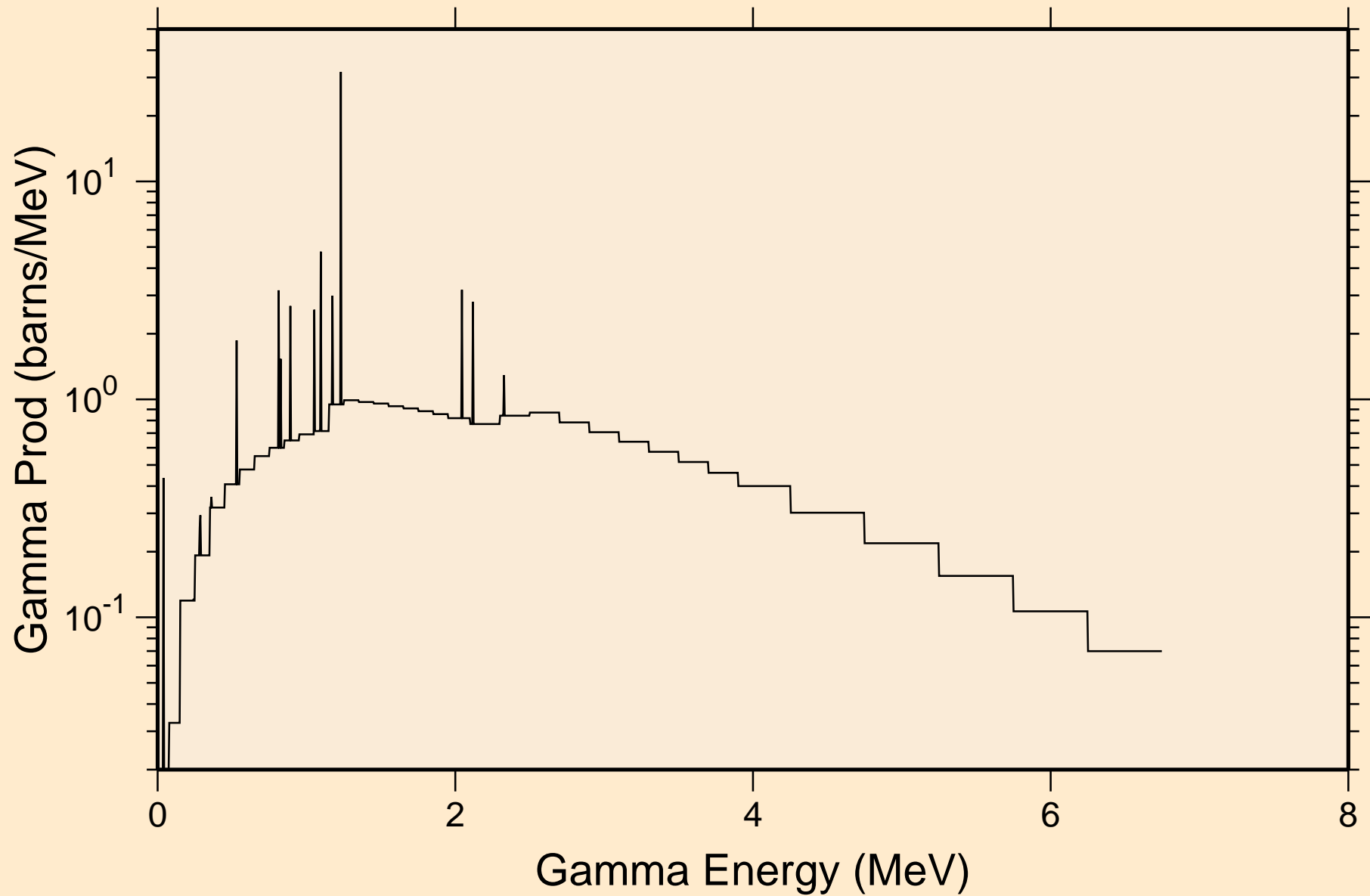


SN117 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



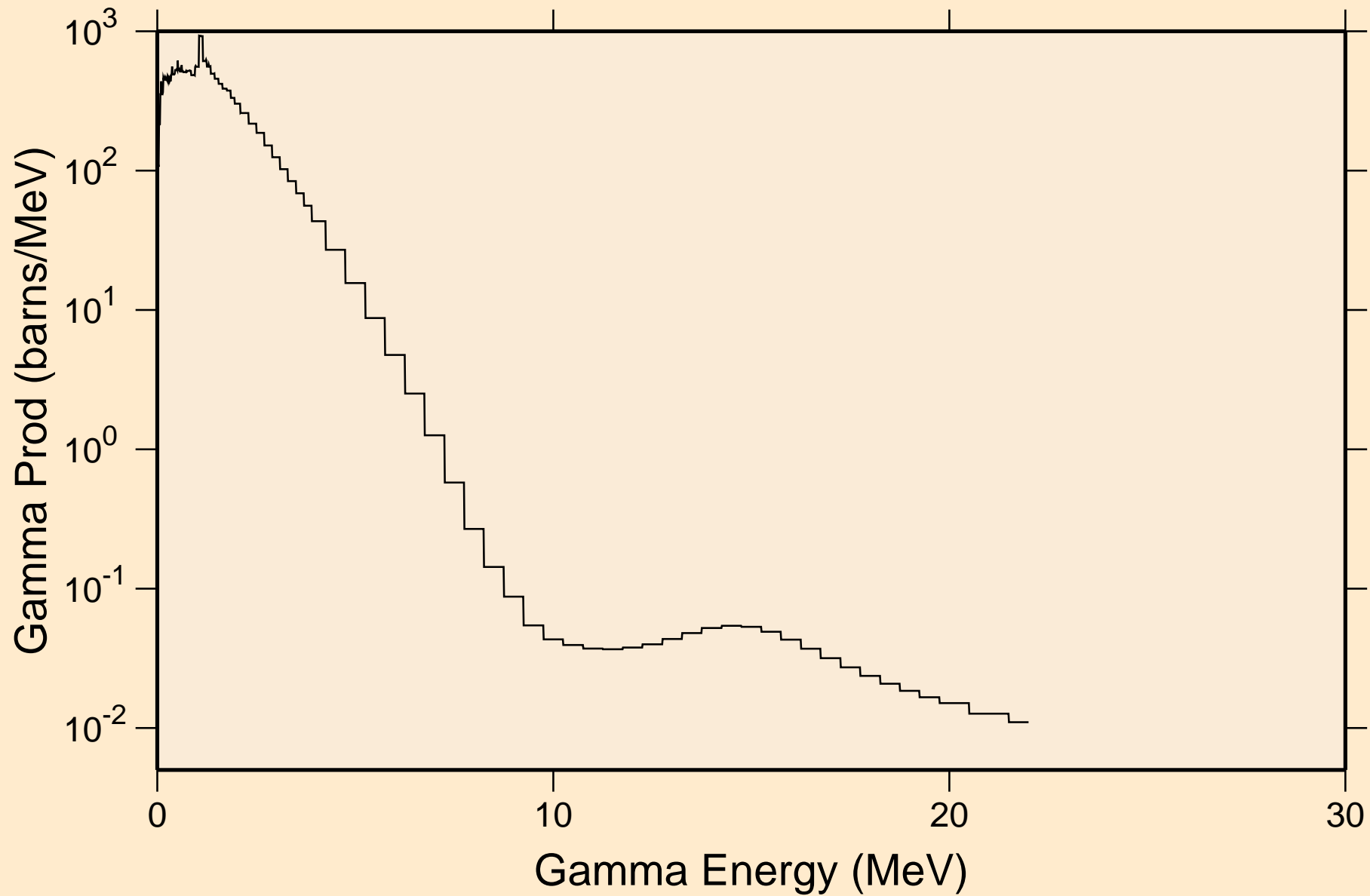


SN117 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



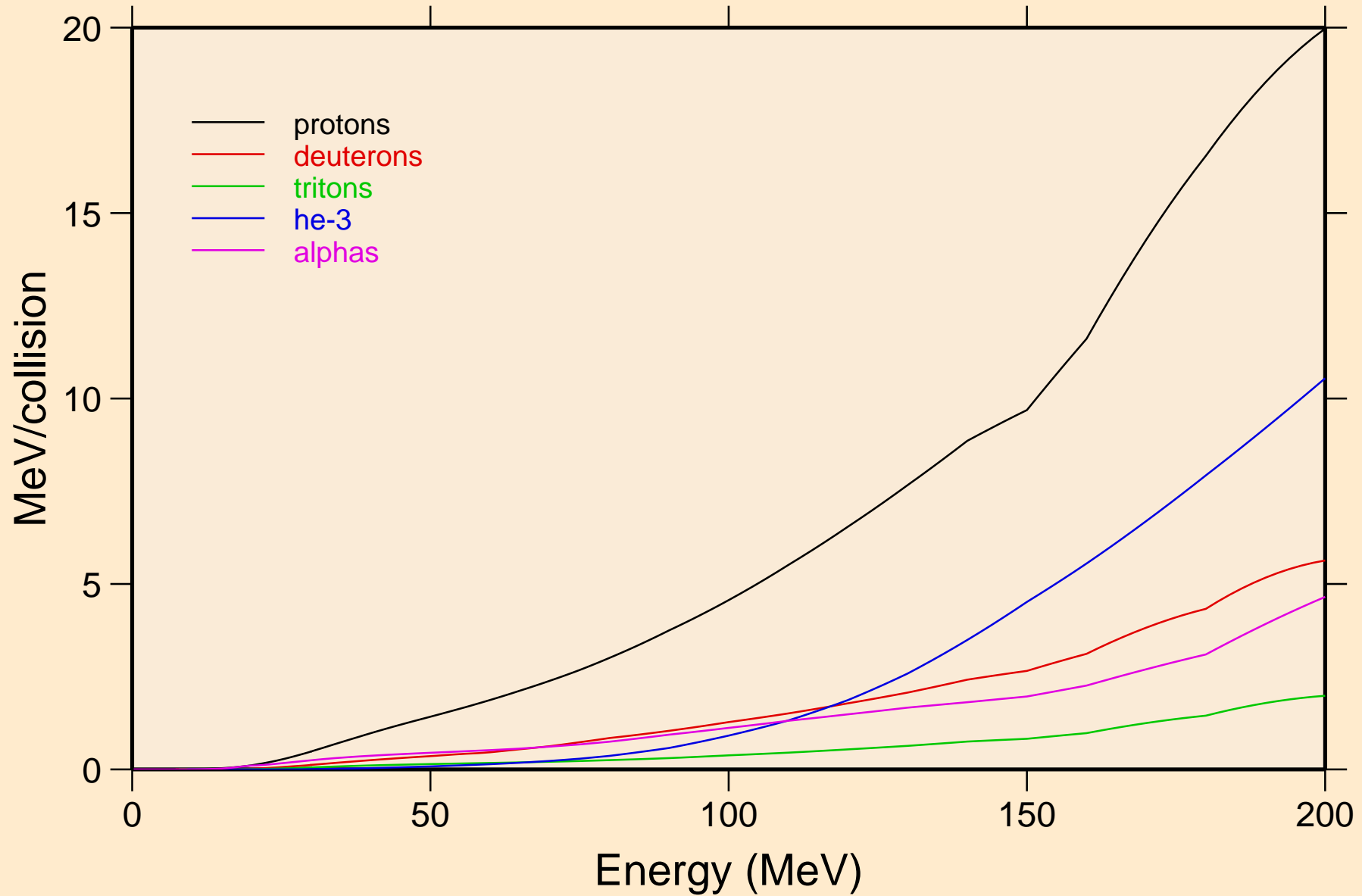
# SN117 NRG TENDL-2015, AKONING

## 14 MeV photon spectrum



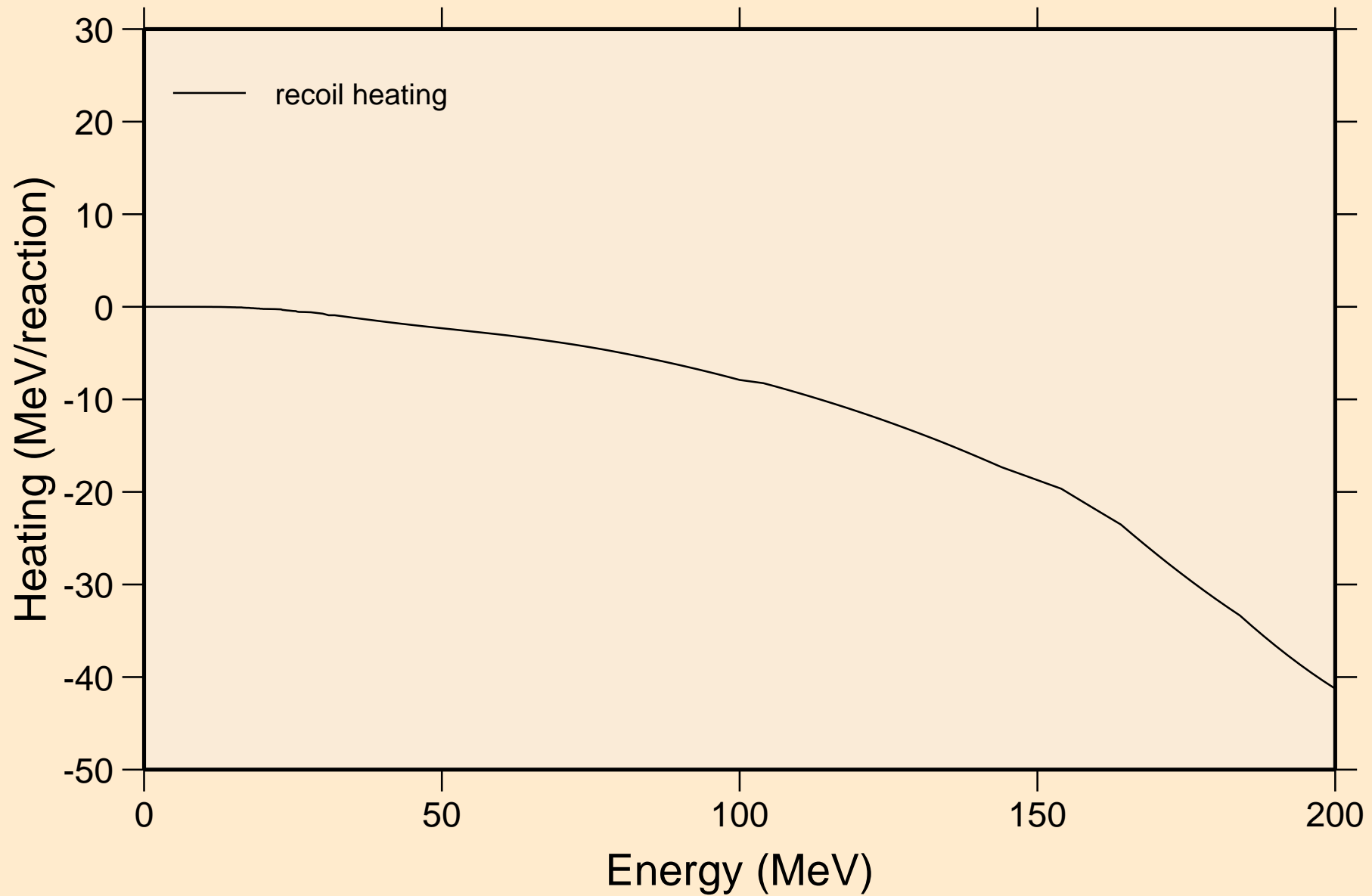
# SN117 NRG TENDL-2015, AKONING

## Particle heating contributions



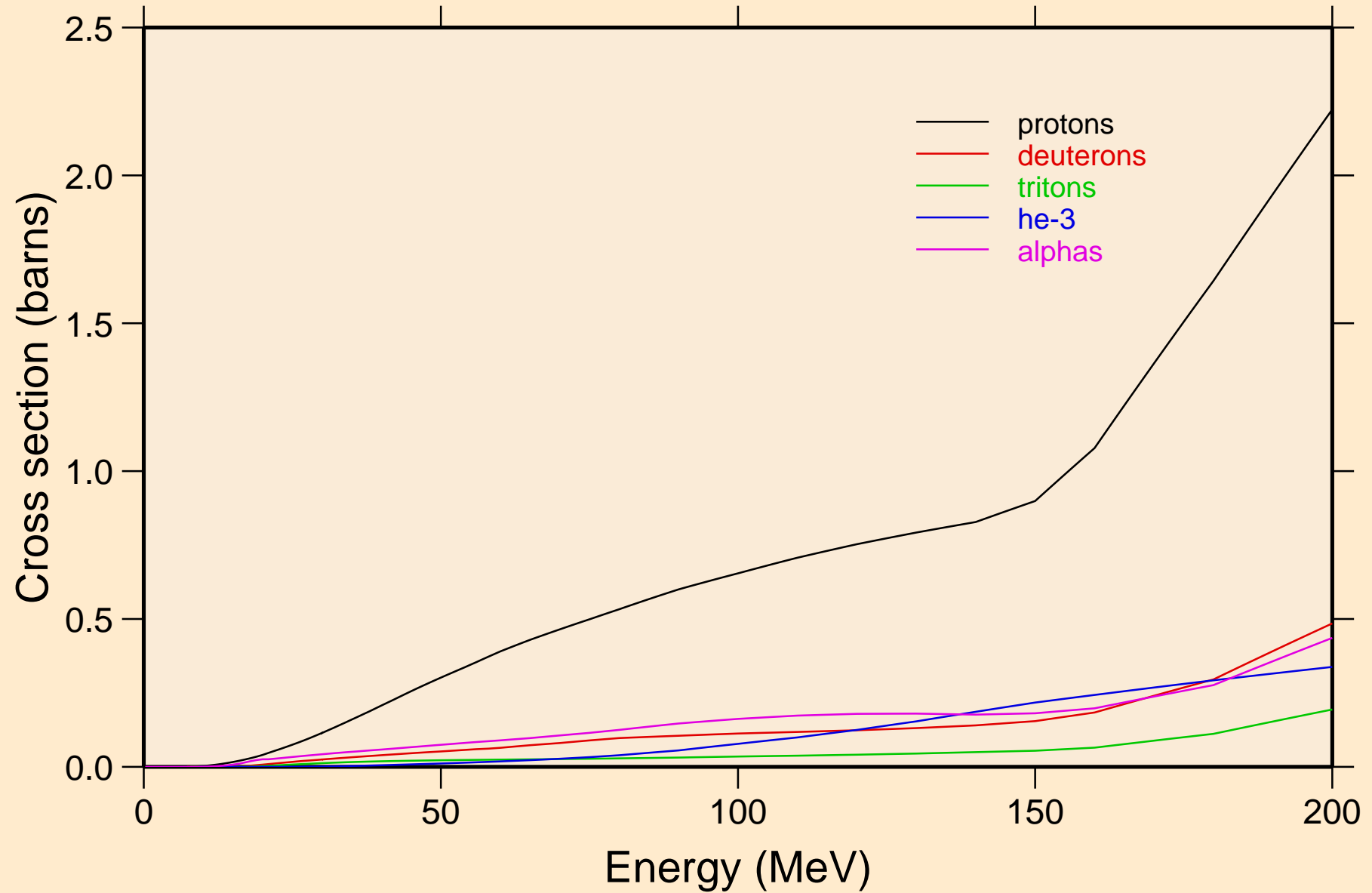
# SN117 NRG TENDL-2015, AKONING

## Recoil Heating

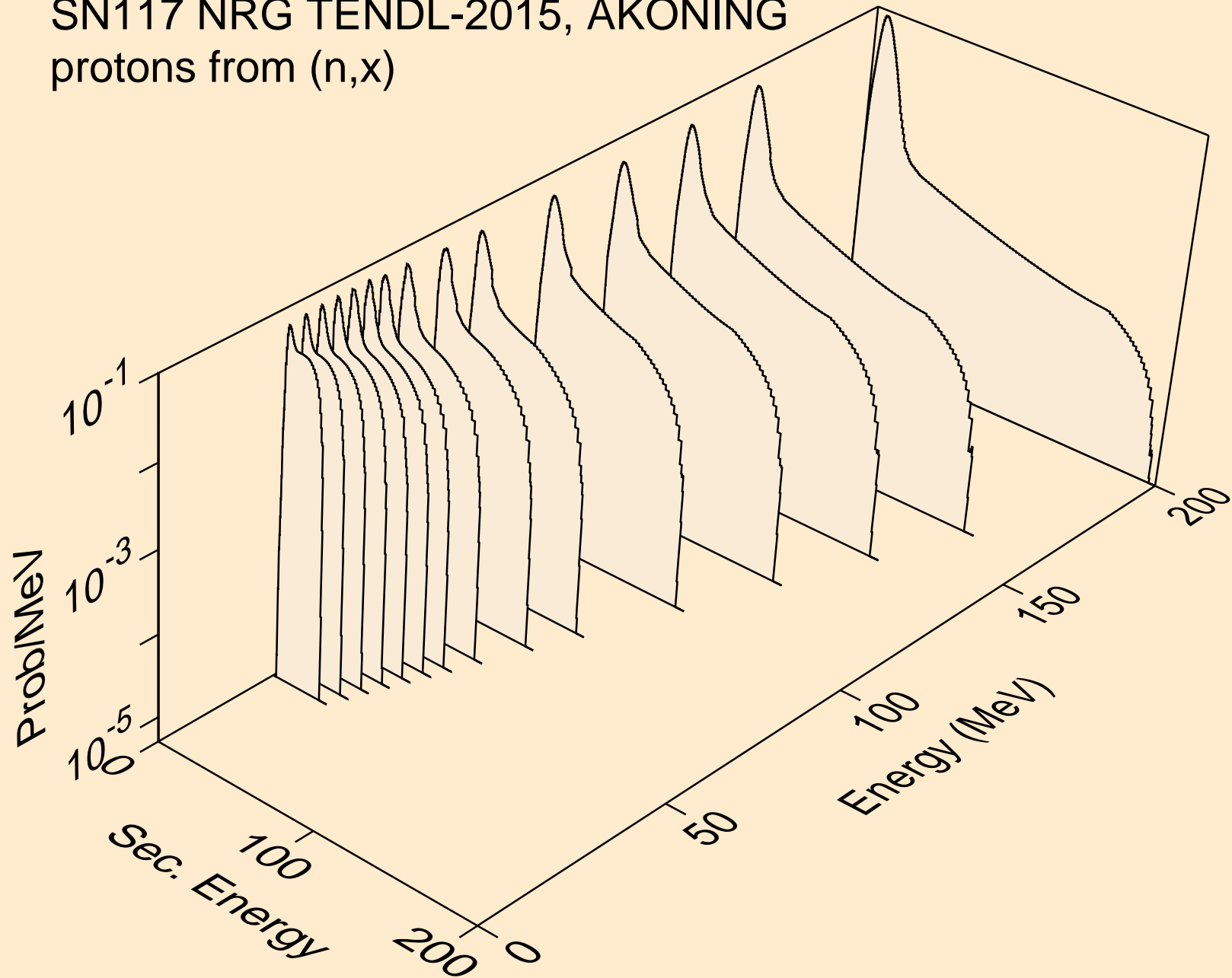


# SN117 NRG TENDL-2015, AKONING

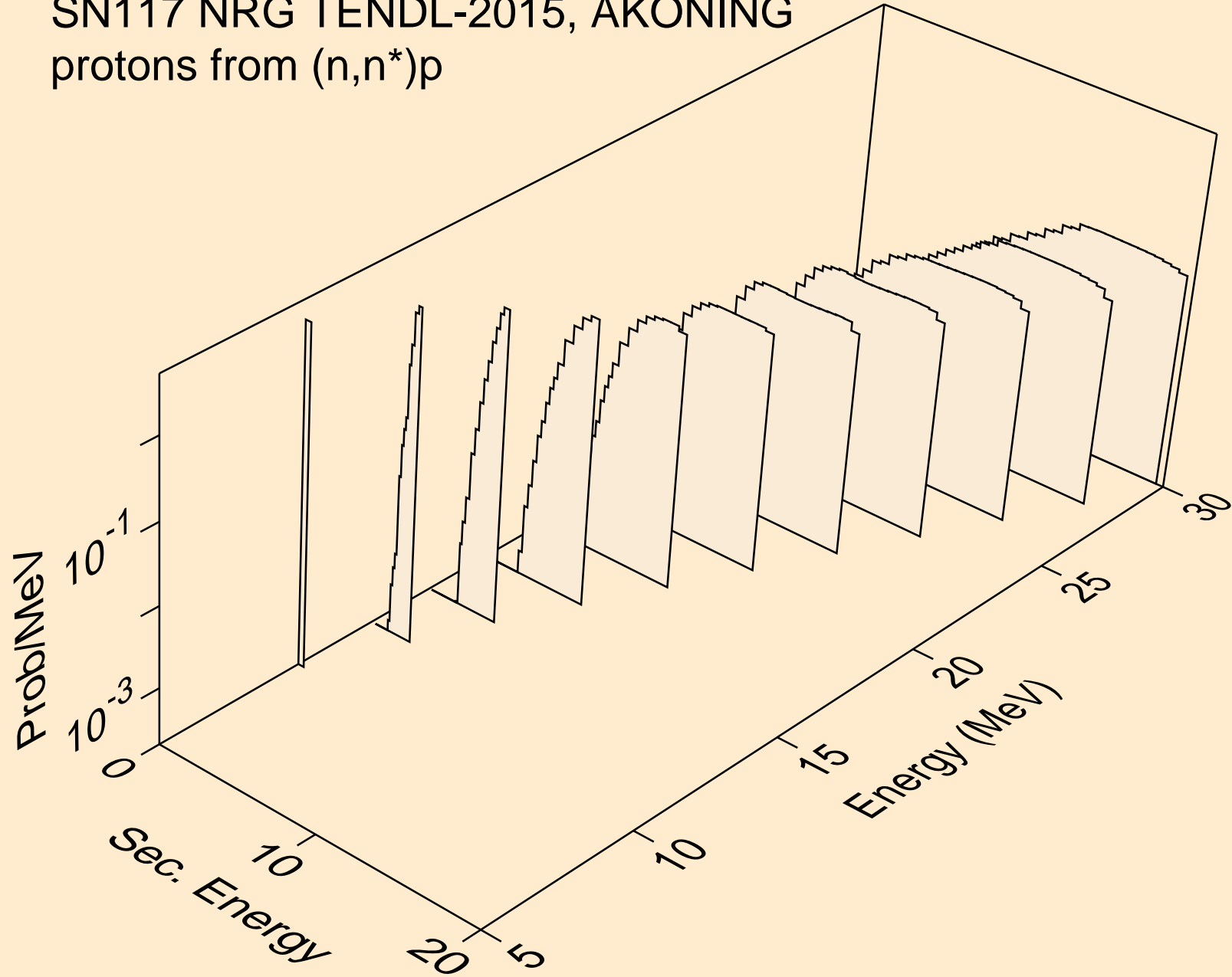
## Particle production cross sections



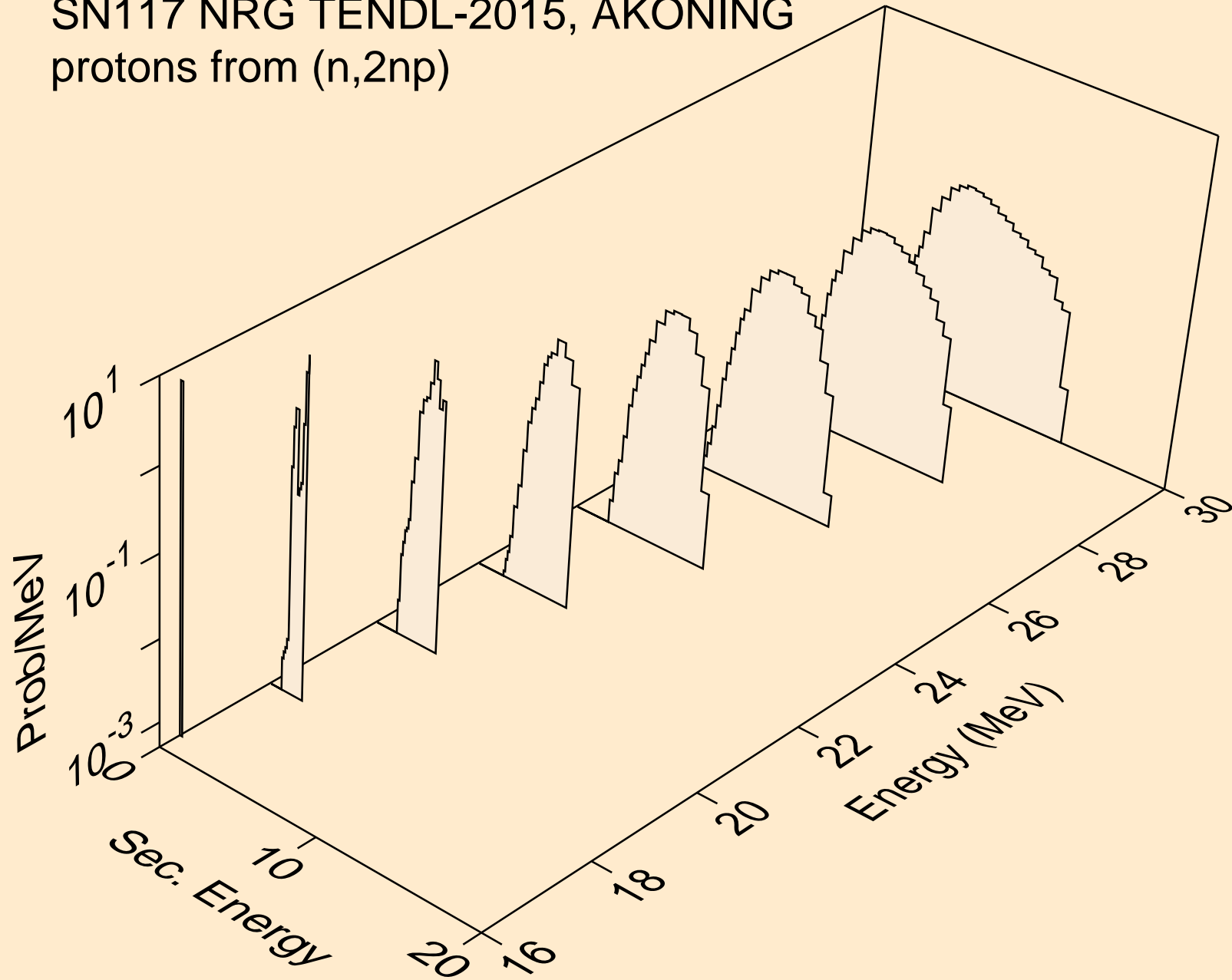
SN117 NRG TENDL-2015, AKONING  
protons from (n,x)



SN117 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

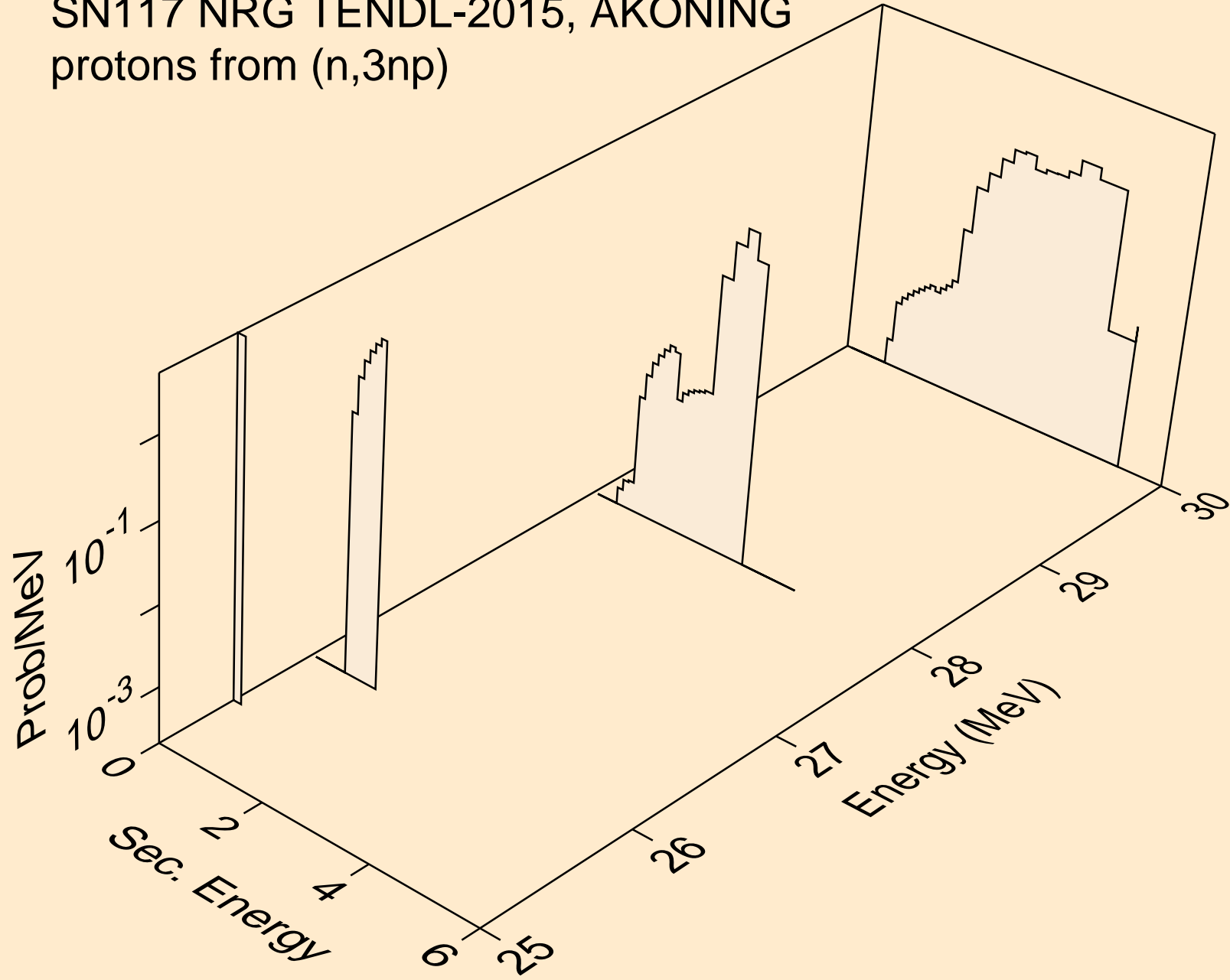


SN117 NRG TENDL-2015, AKONING  
protons from (n,2np)

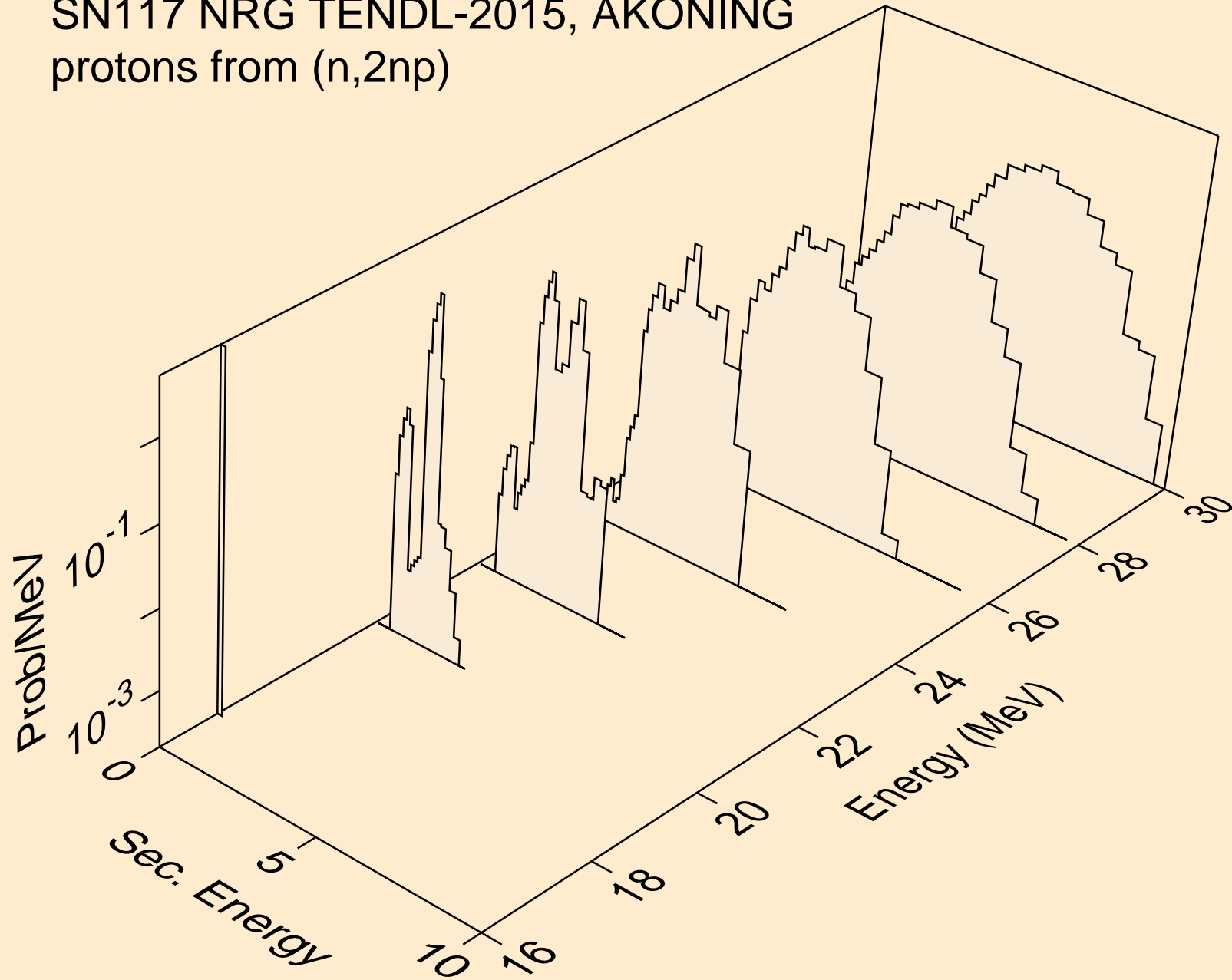




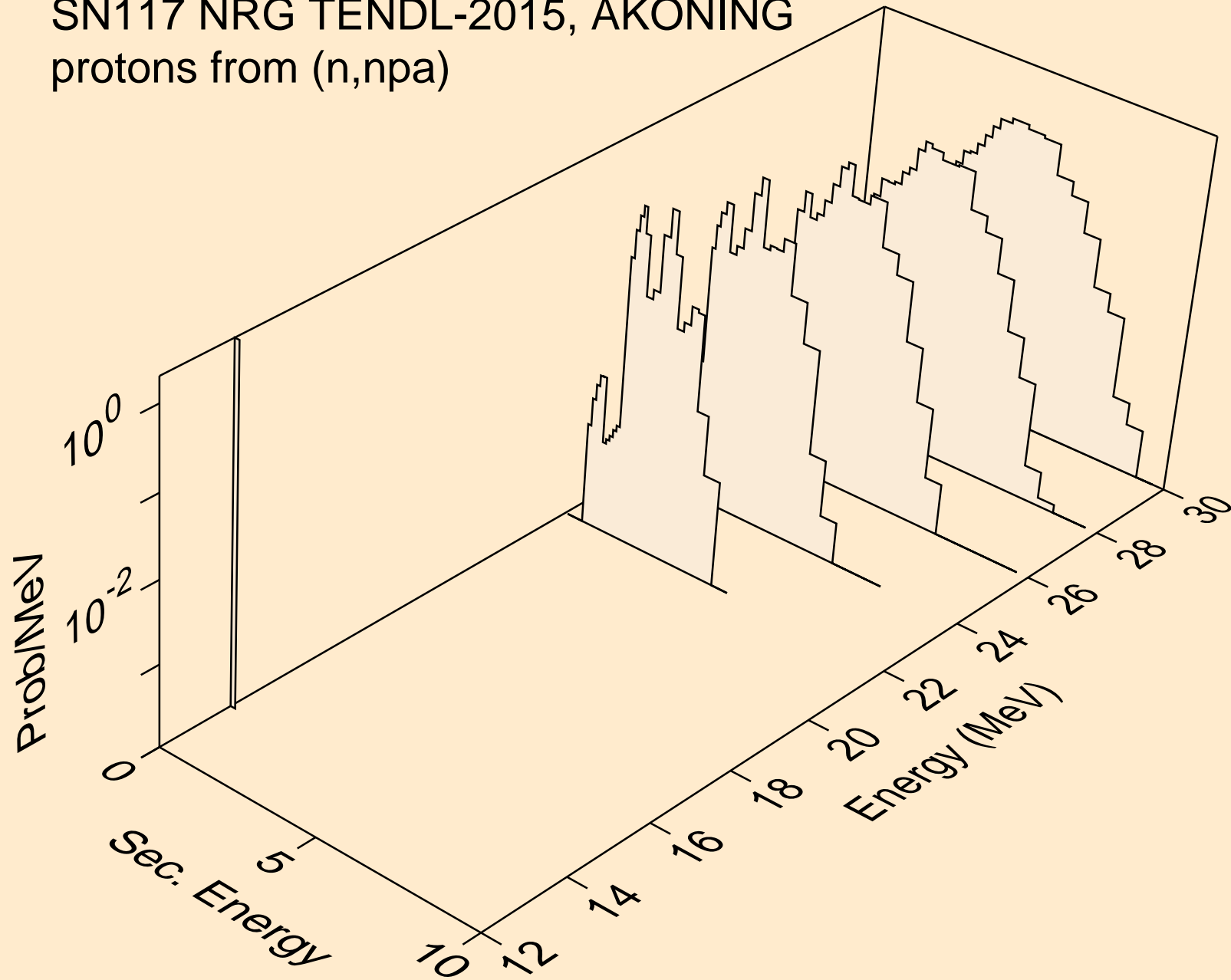
SN117 NRG TENDL-2015, AKONING  
protons from (n,3np)



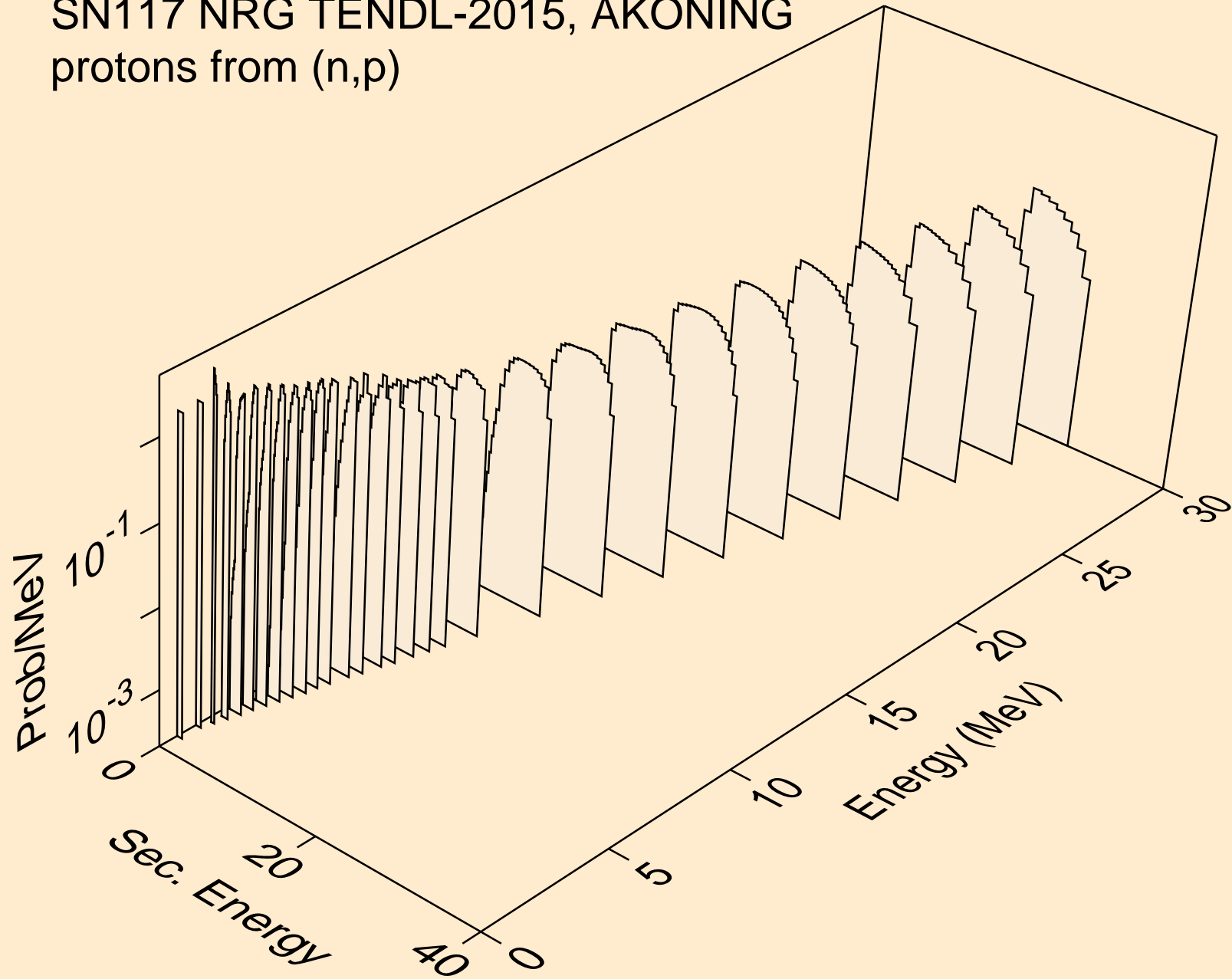
SN117 NRG TENDL-2015, AKONING  
protons from (n,2np)



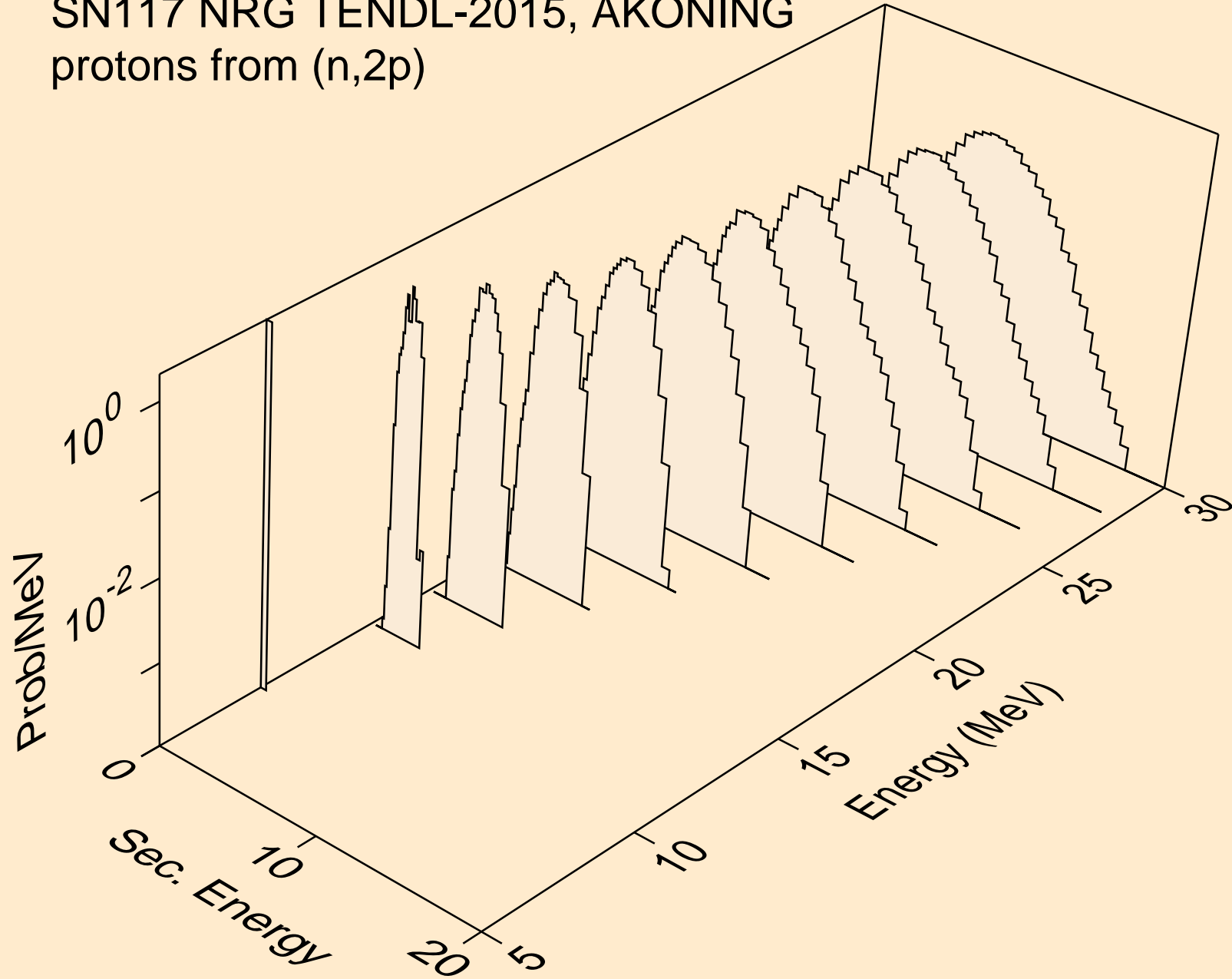
SN117 NRG TENDL-2015, AKONING  
protons from (n,npa)



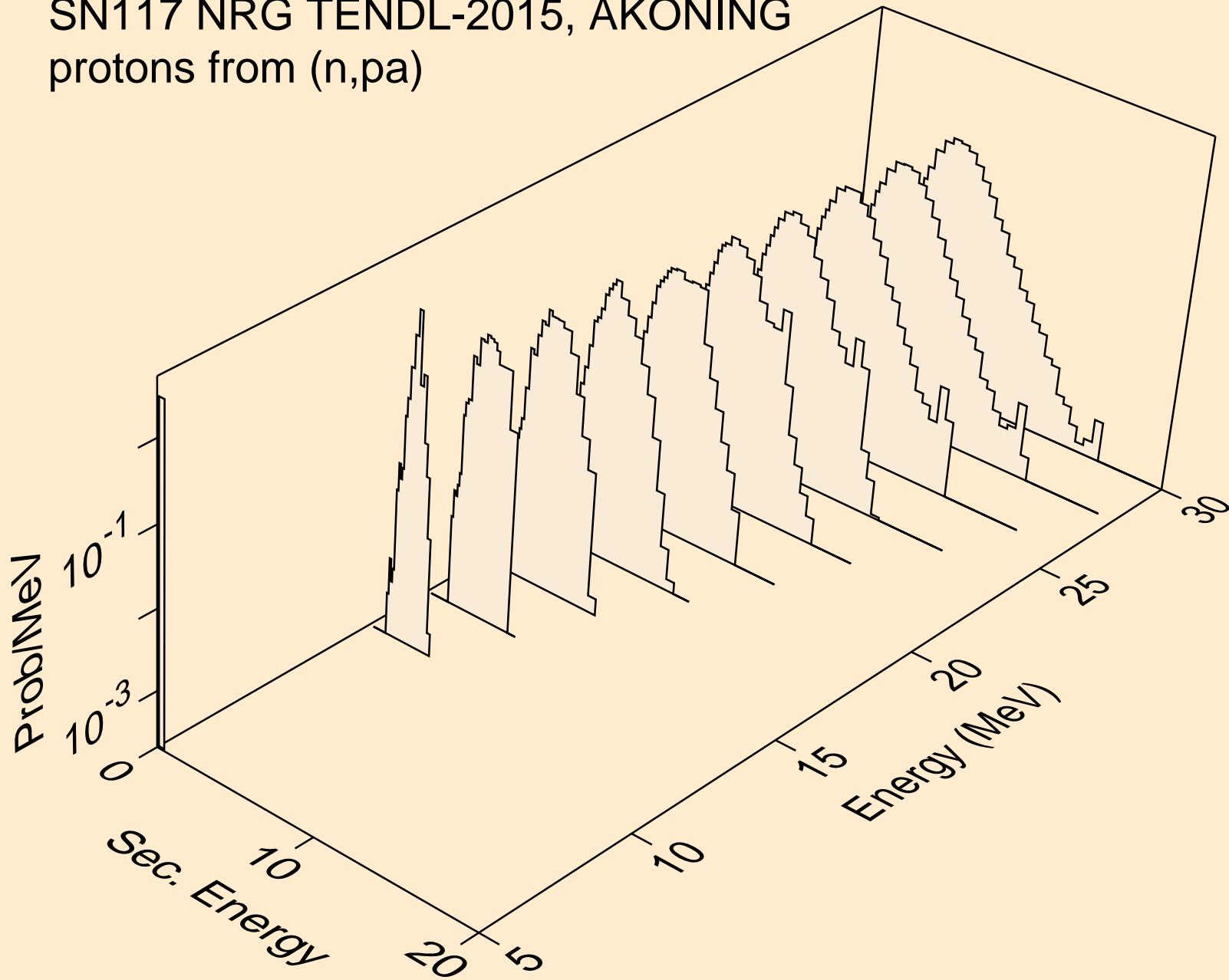
SN117 NRG TENDL-2015, AKONING  
protons from (n,p)



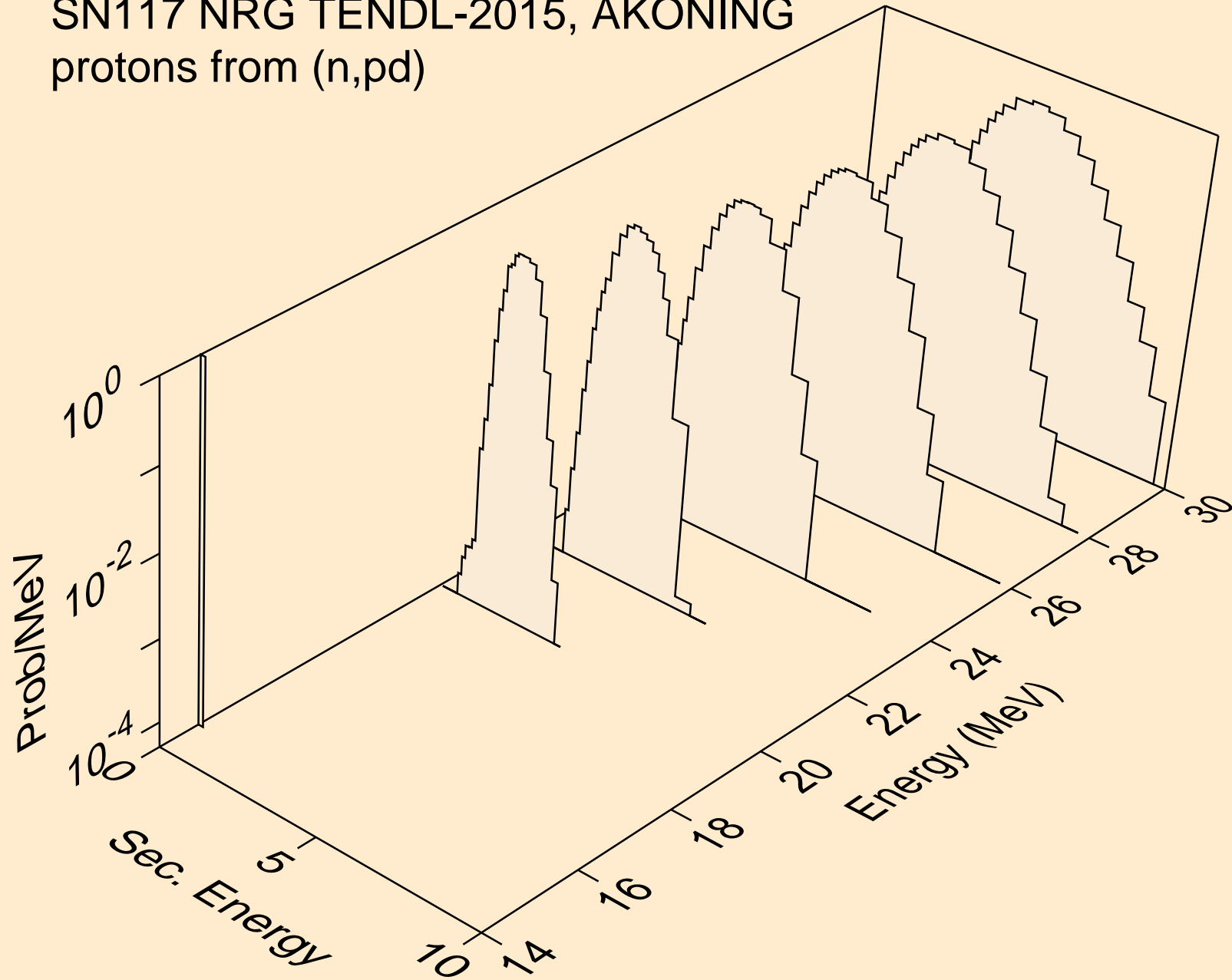
SN117 NRG TENDL-2015, AKONING  
protons from (n,2p)



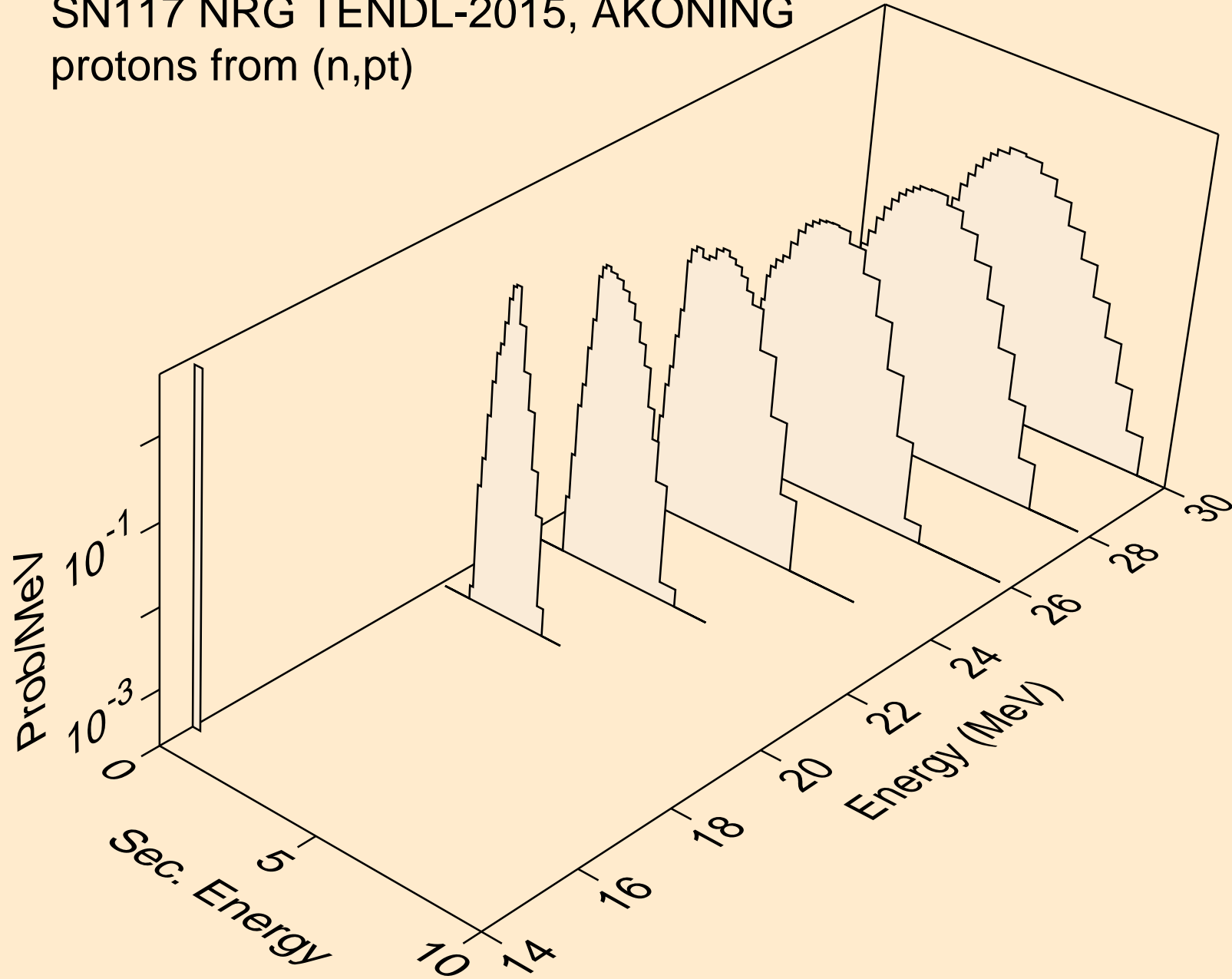
SN117 NRG TENDL-2015, AKONING  
protons from (n,pa)



SN117 NRG TENDL-2015, AKONING  
protons from (n,pd)

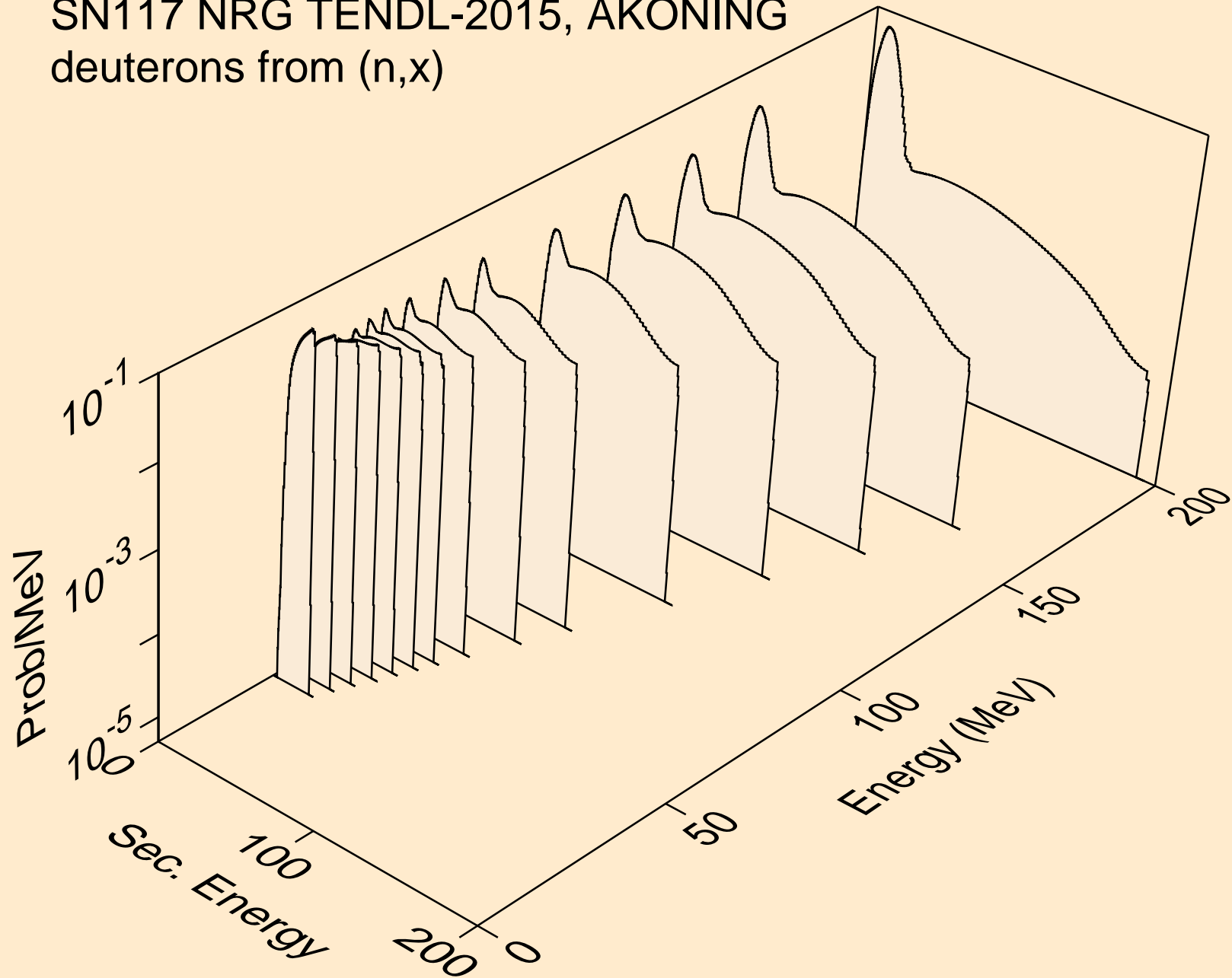


SN117 NRG TENDL-2015, AKONING  
protons from (n,pt)

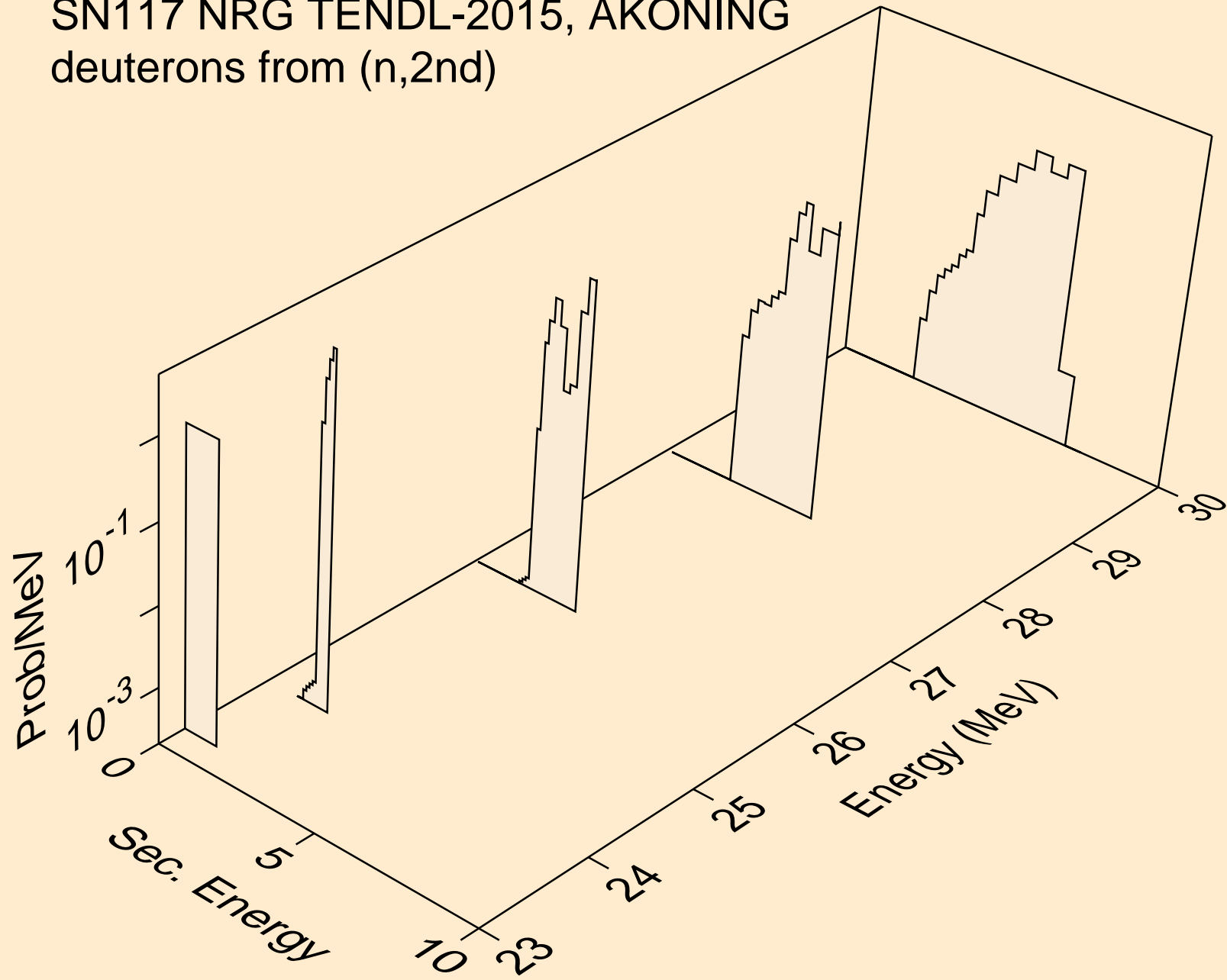




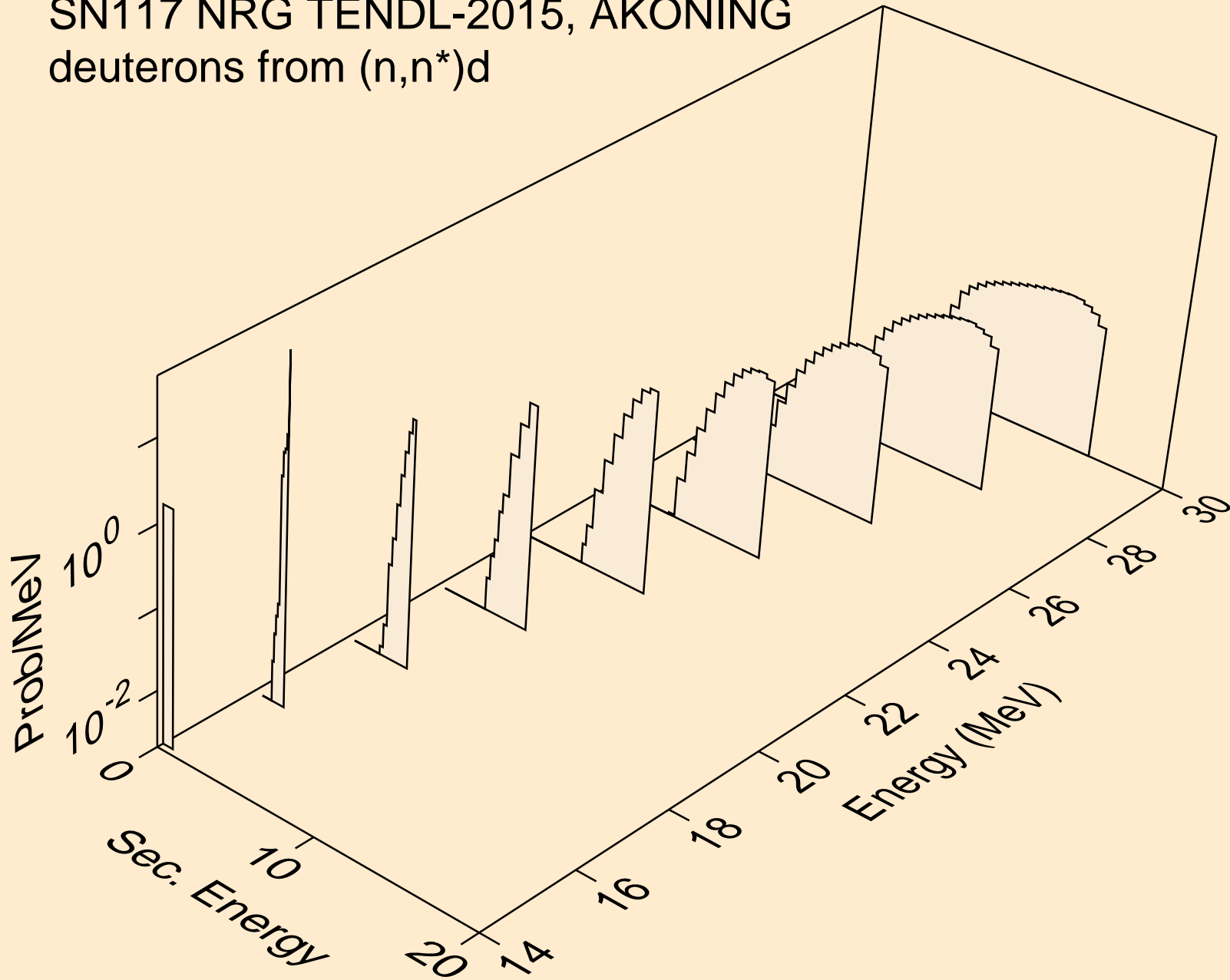
SN117 NRG TENDL-2015, AKONING  
deuterons from (n,x)



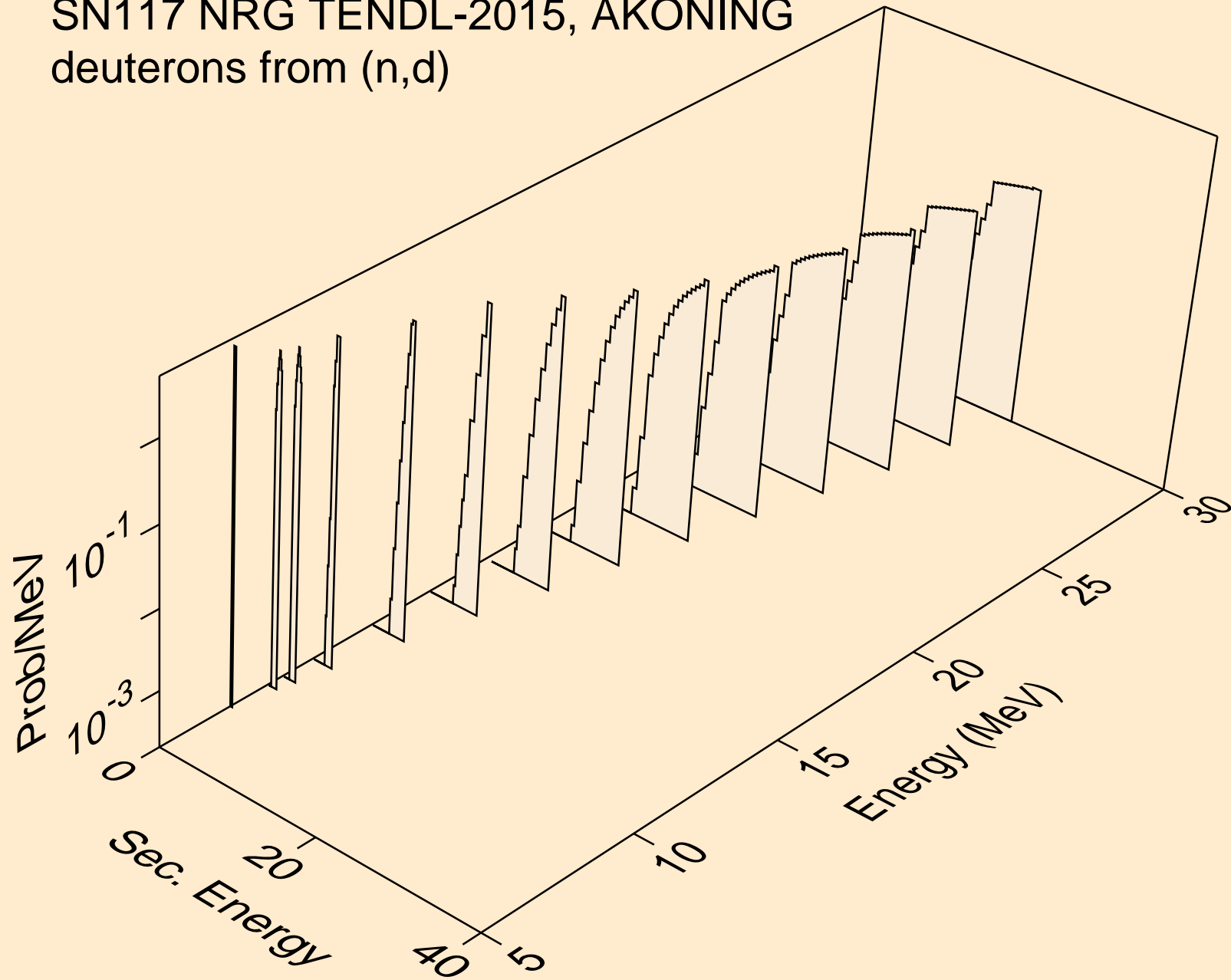
SN117 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



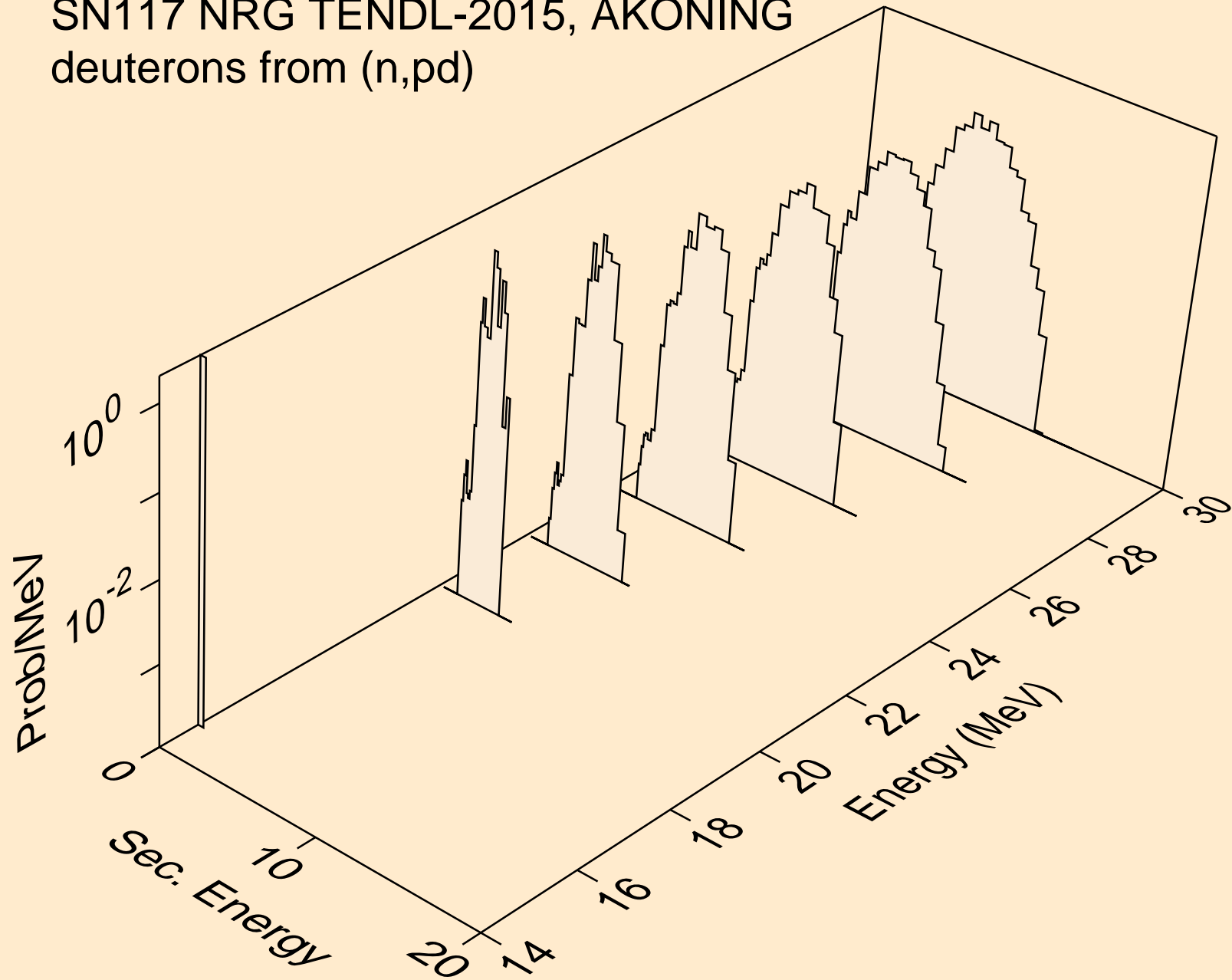
SN117 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



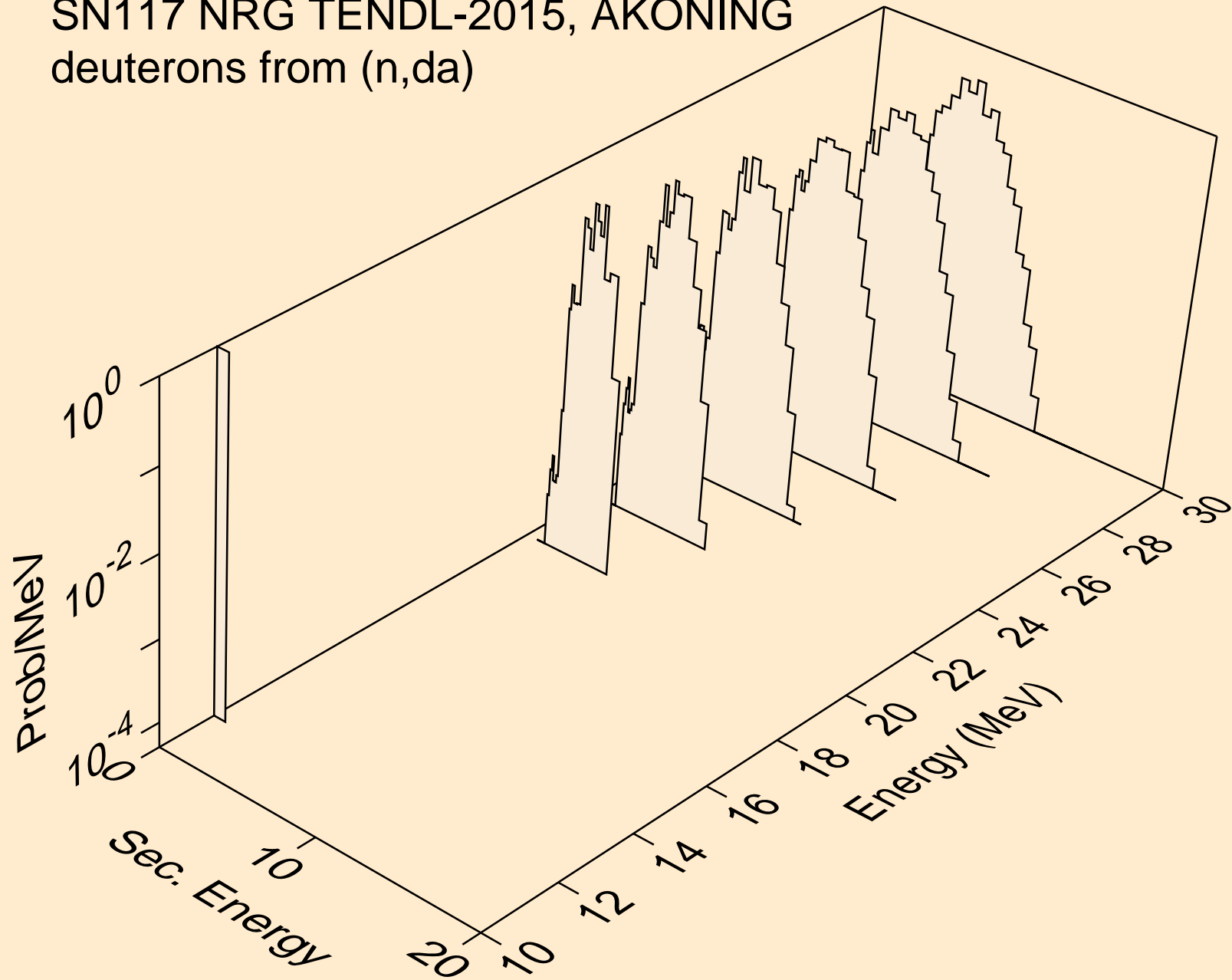
SN117 NRG TENDL-2015, AKONING  
deuterons from (n,d)



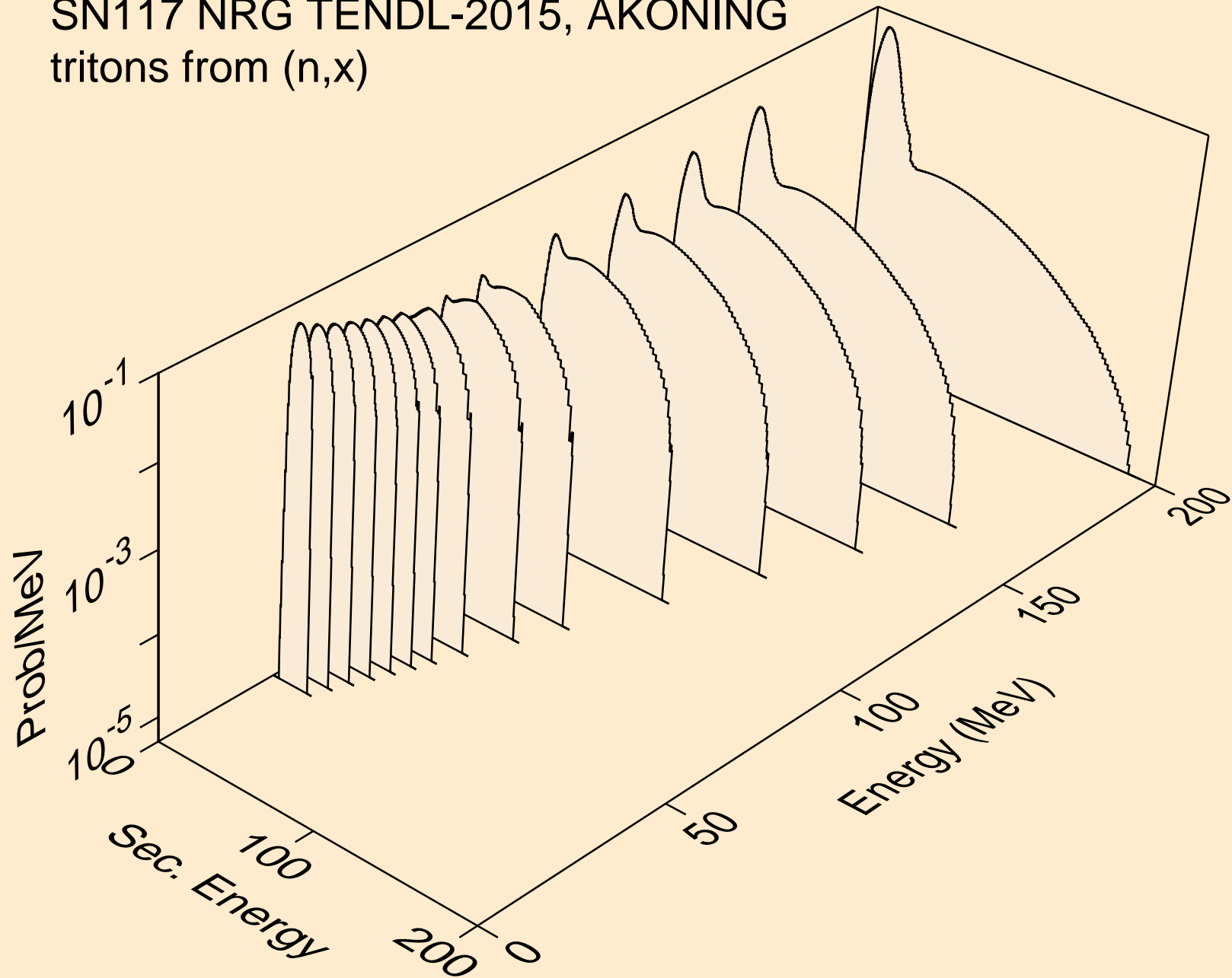
SN117 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



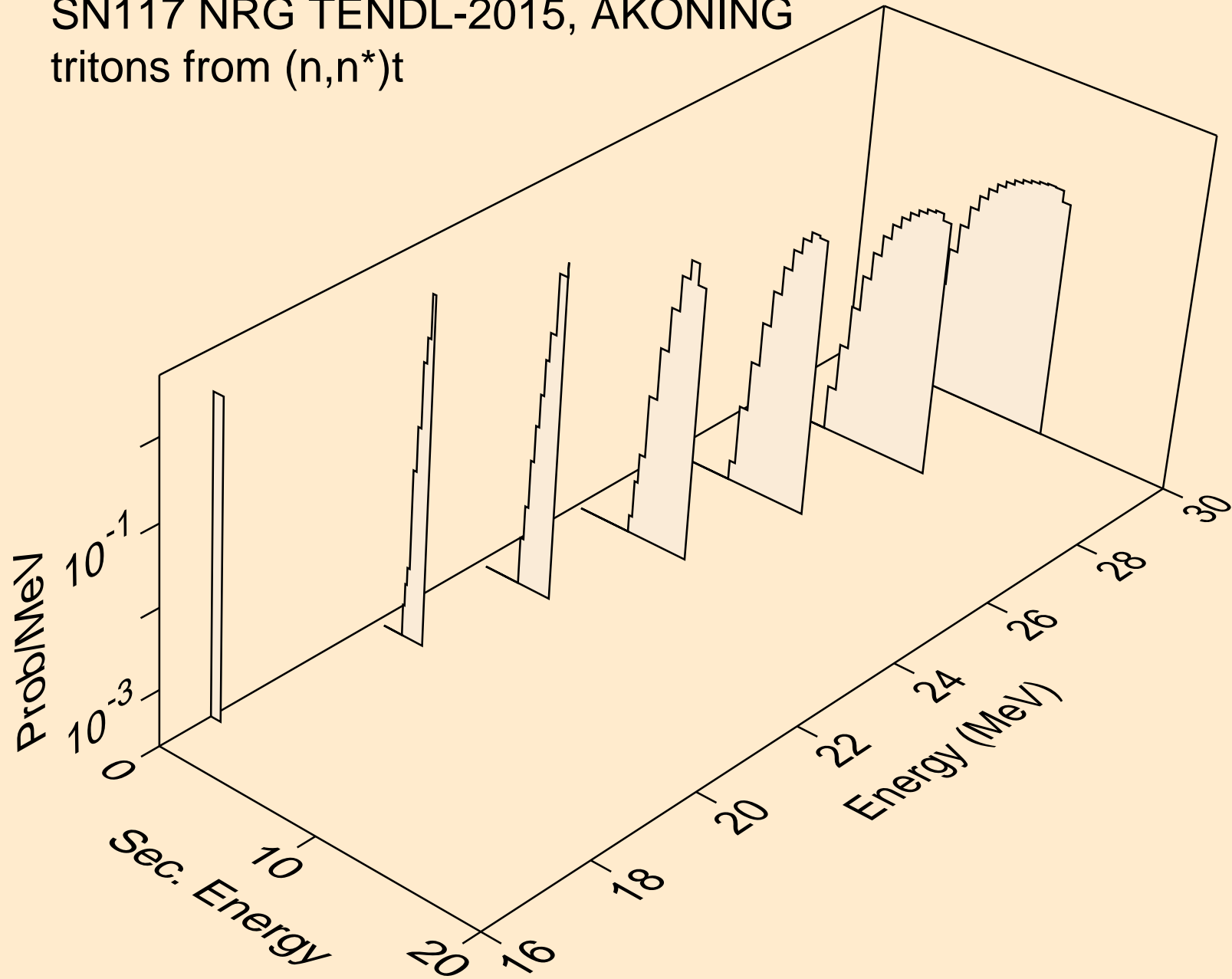
SN117 NRG TENDL-2015, AKONING  
deuterons from (n,da)



SN117 NRG TENDL-2015, AKONING  
tritons from (n,x)

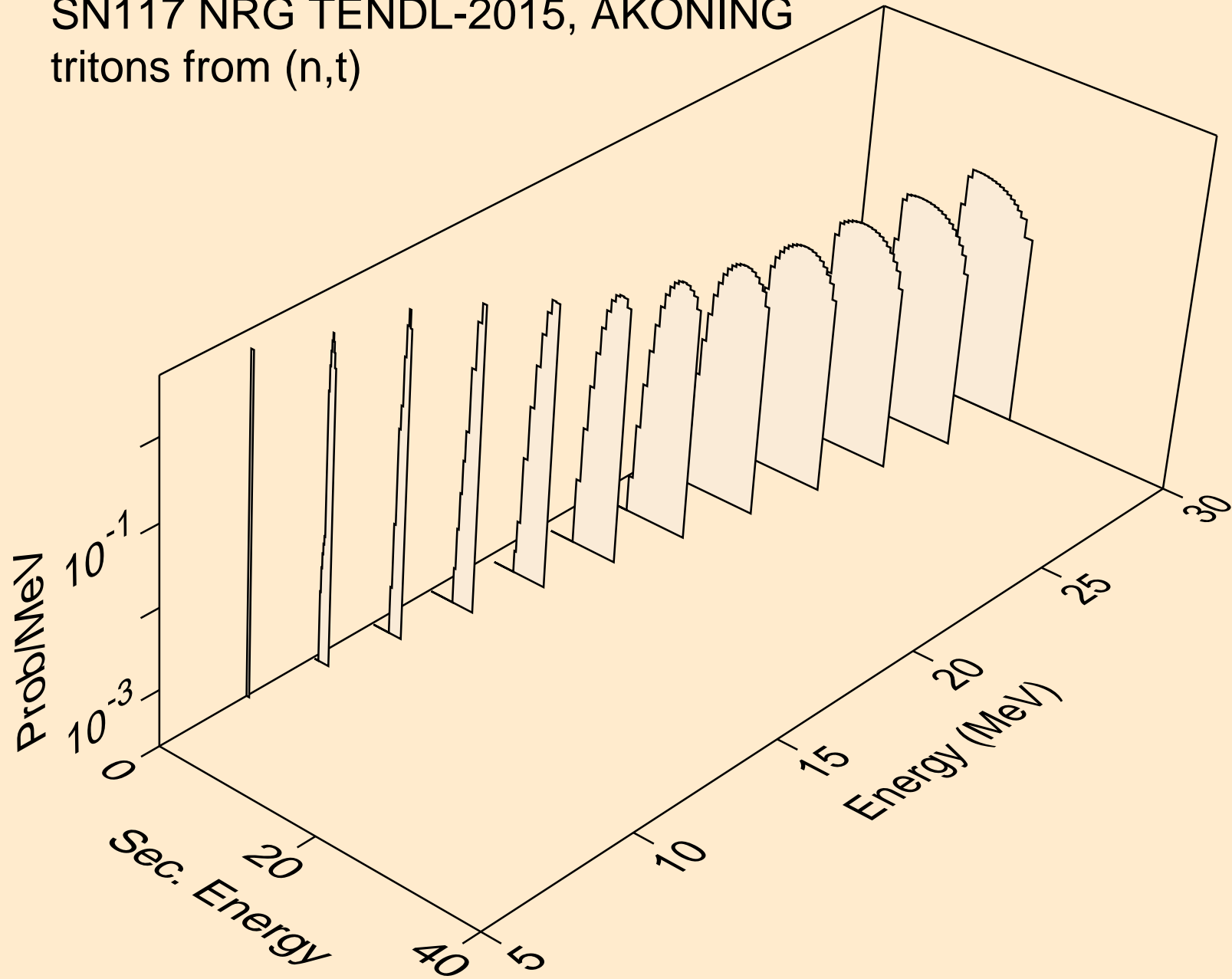


SN117 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

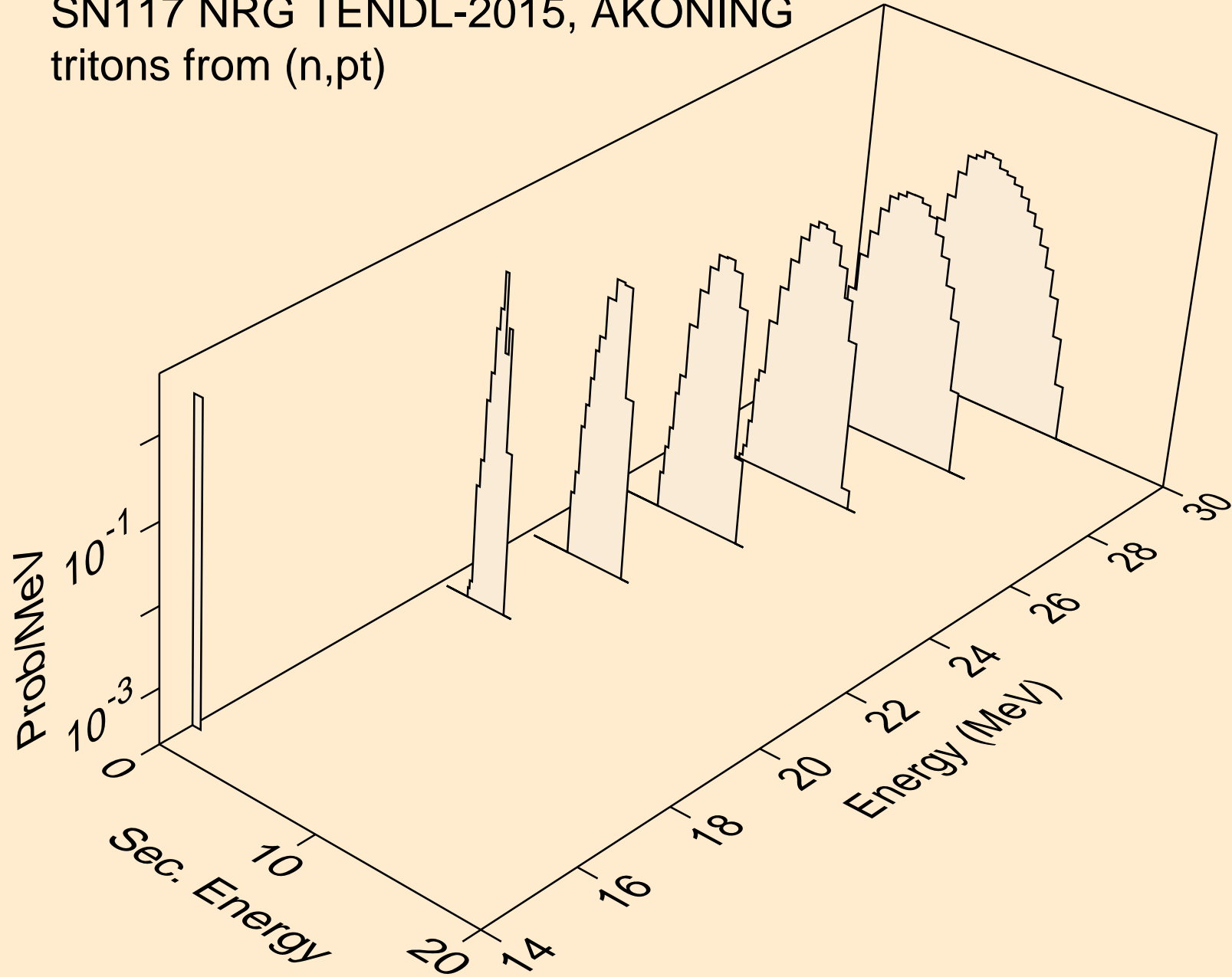




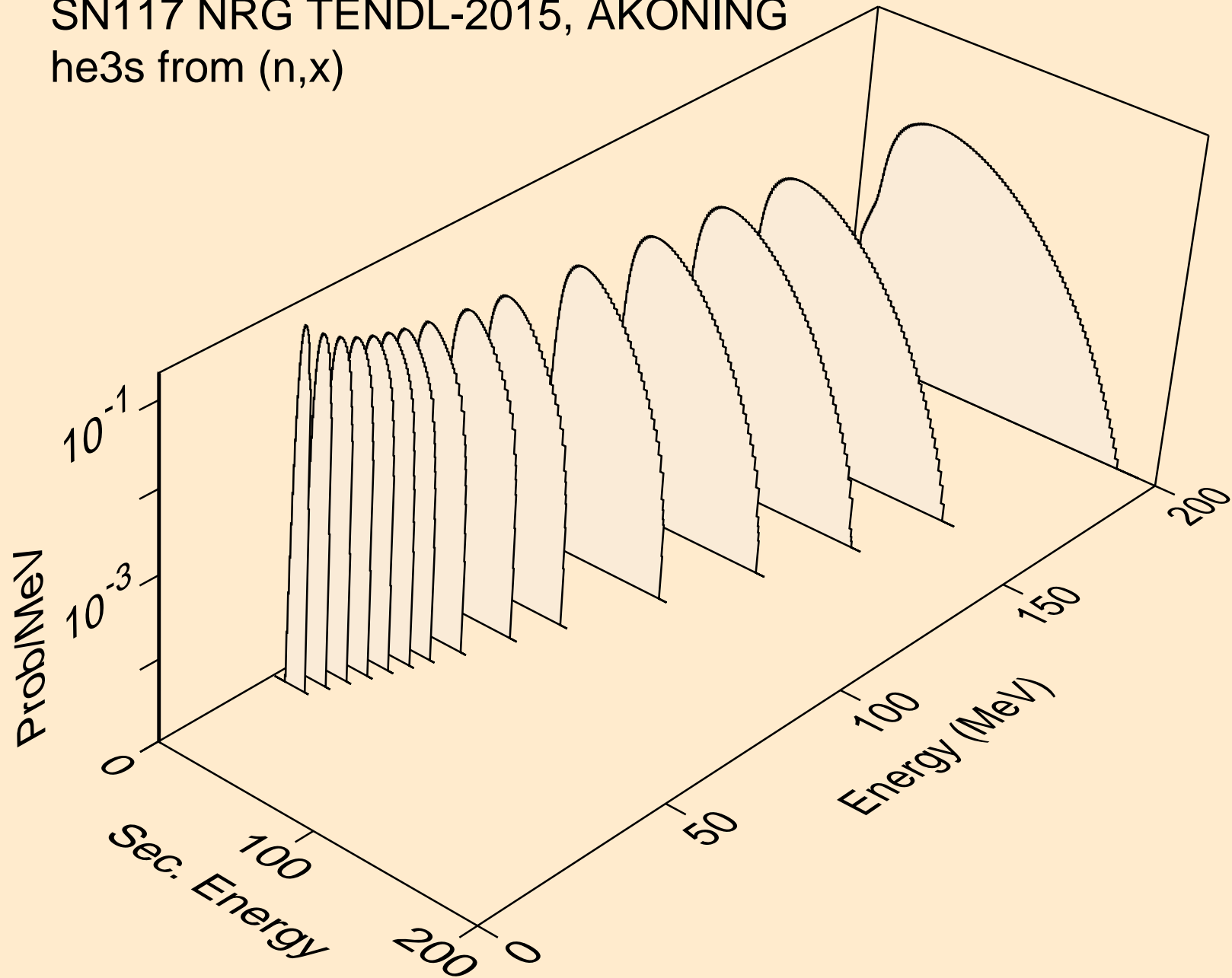
SN117 NRG TENDL-2015, AKONING  
tritons from (n,t)



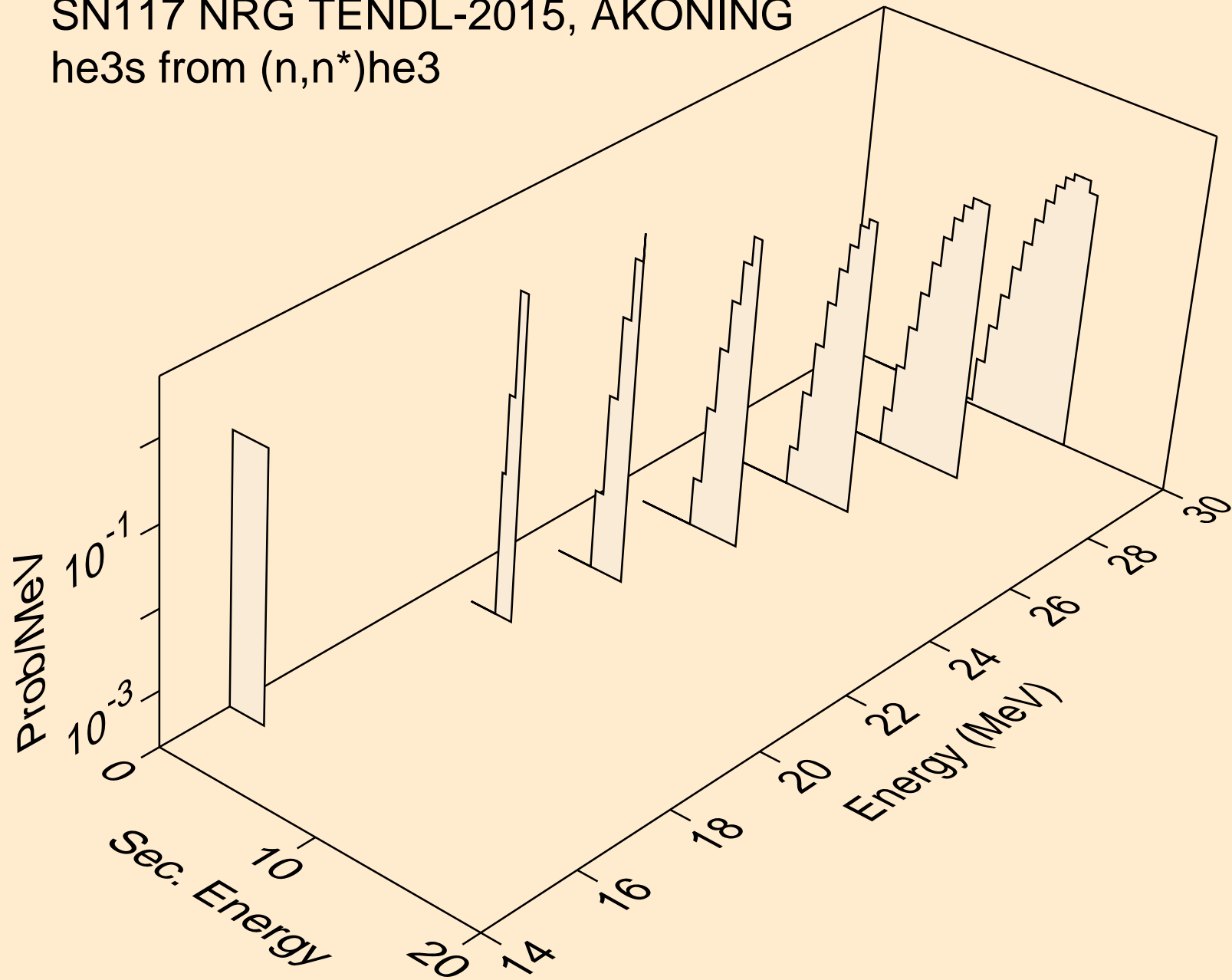
SN117 NRG TENDL-2015, AKONING  
tritons from (n,pt)



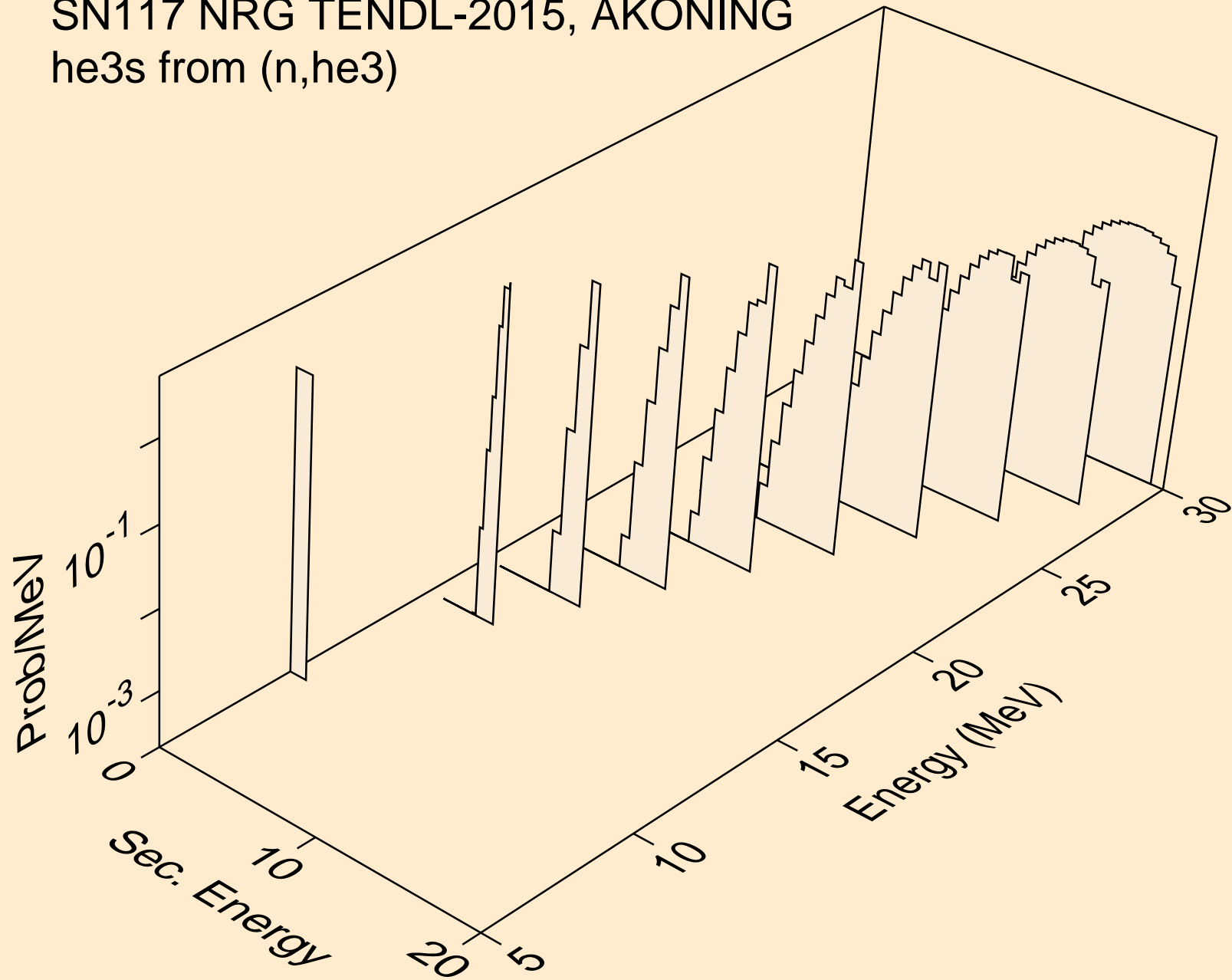
SN117 NRG TENDL-2015, AKONING  
he3s from (n,x)



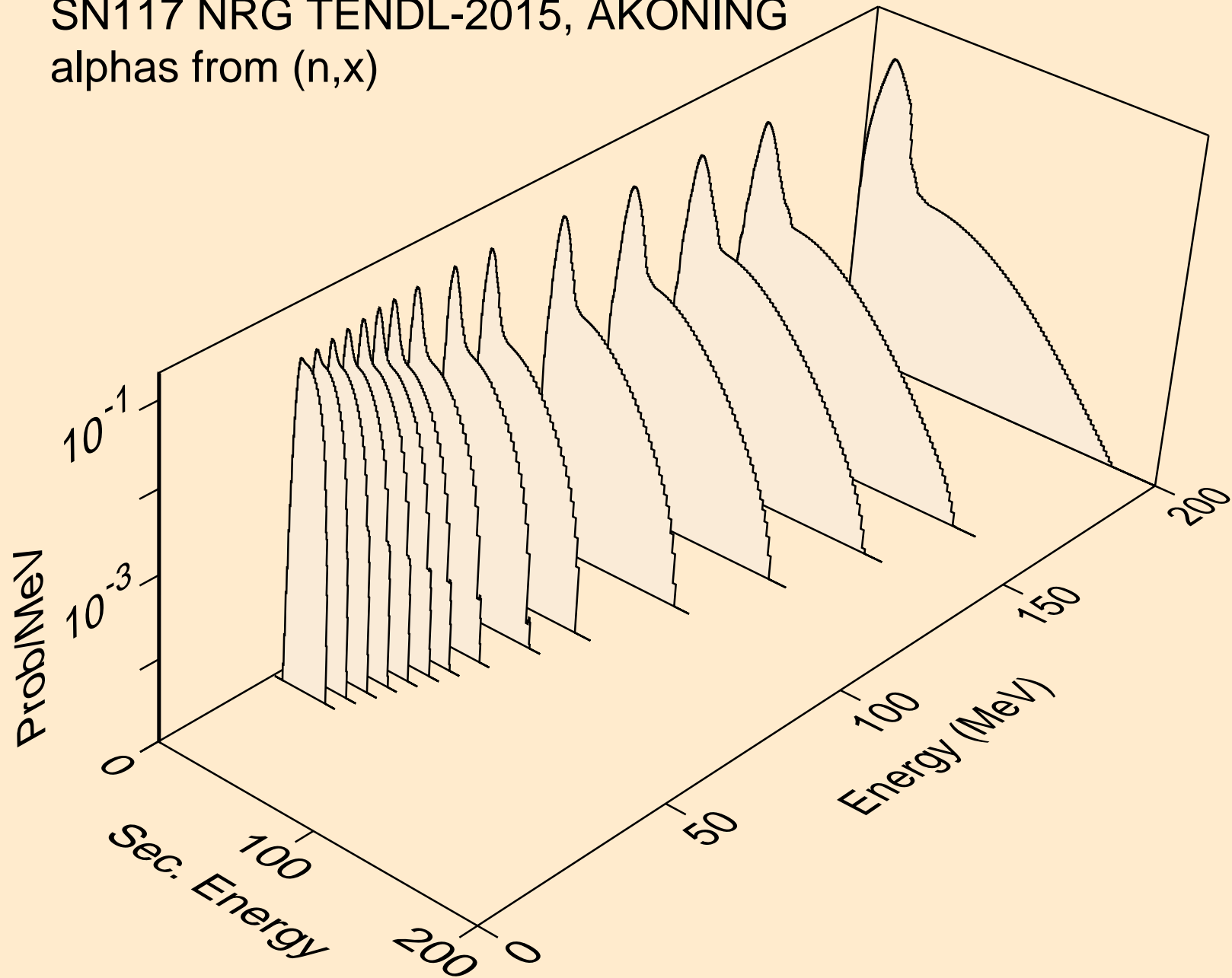
SN117 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



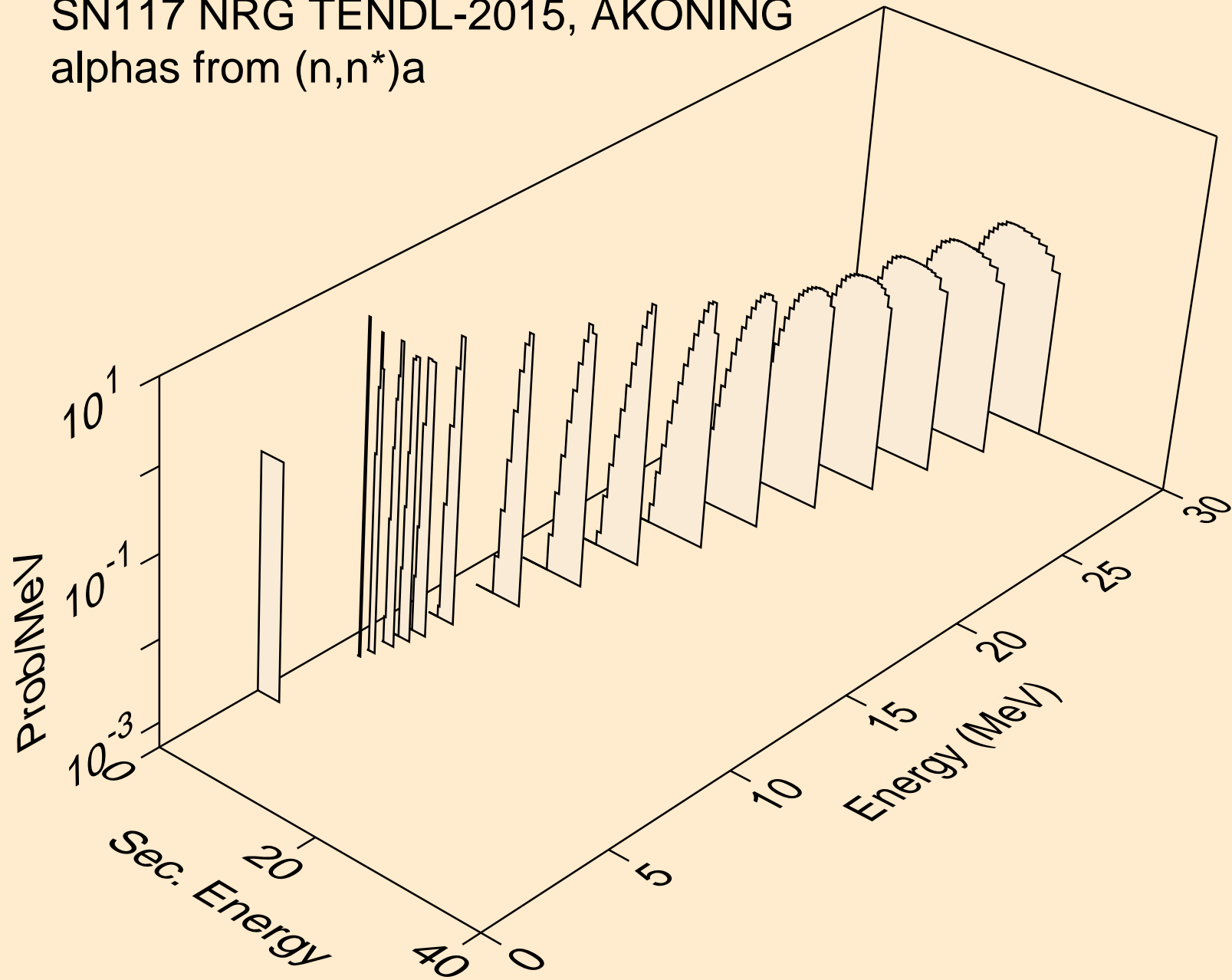
SN117 NRG TENDL-2015, AKONING  
he3s from (n,he3)



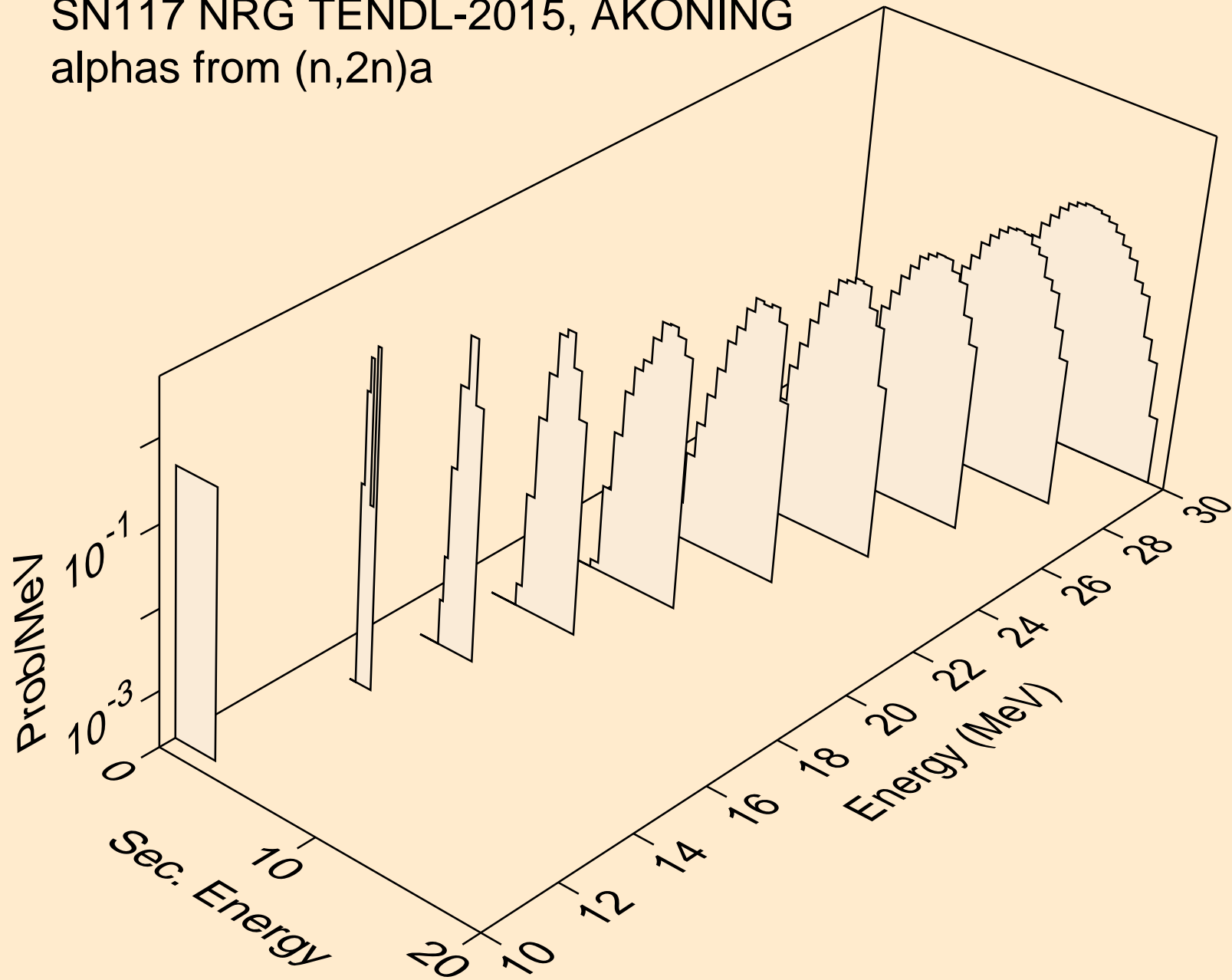
SN117 NRG TENDL-2015, AKONING  
alphas from (n,x)



SN117 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

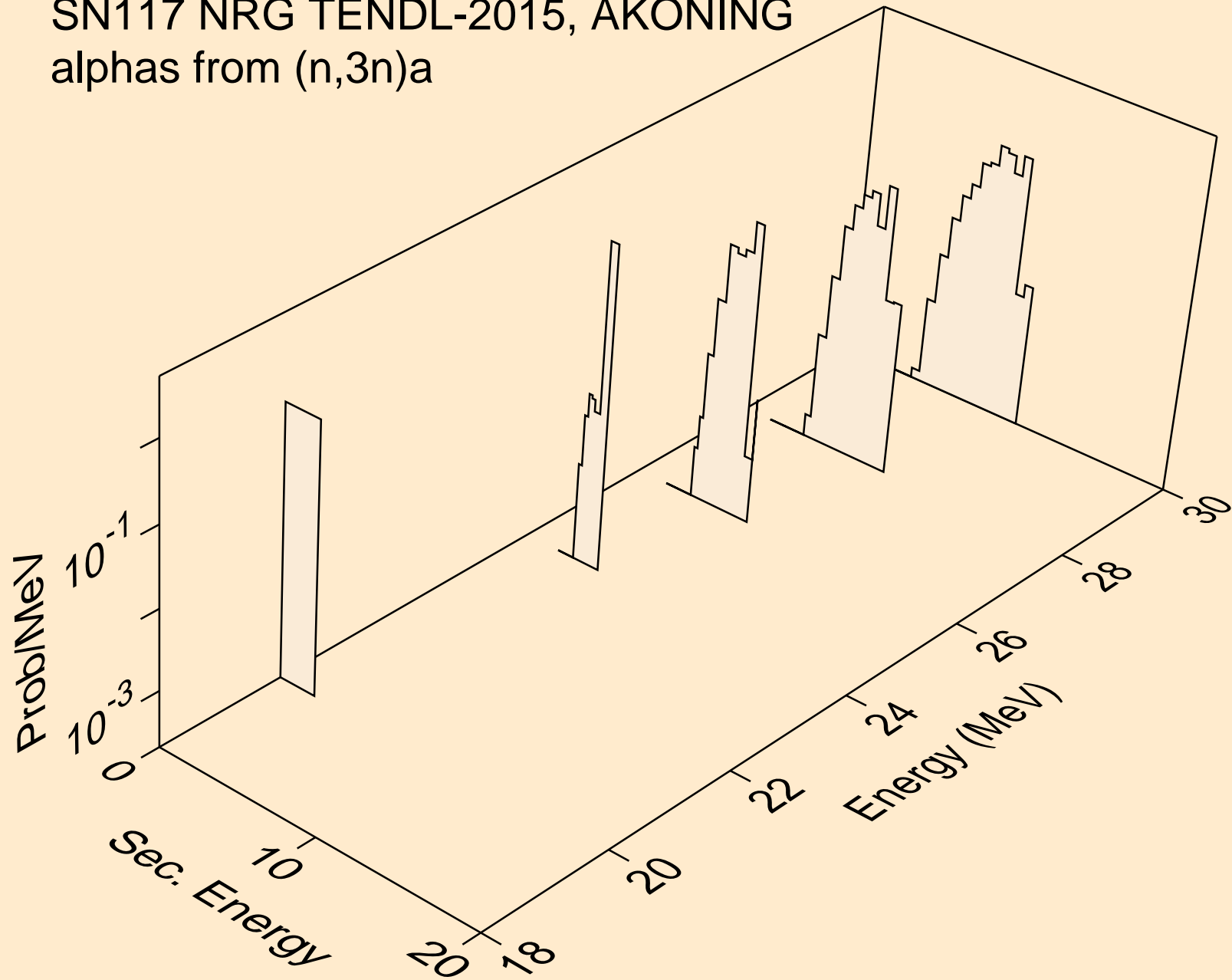


SN117 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

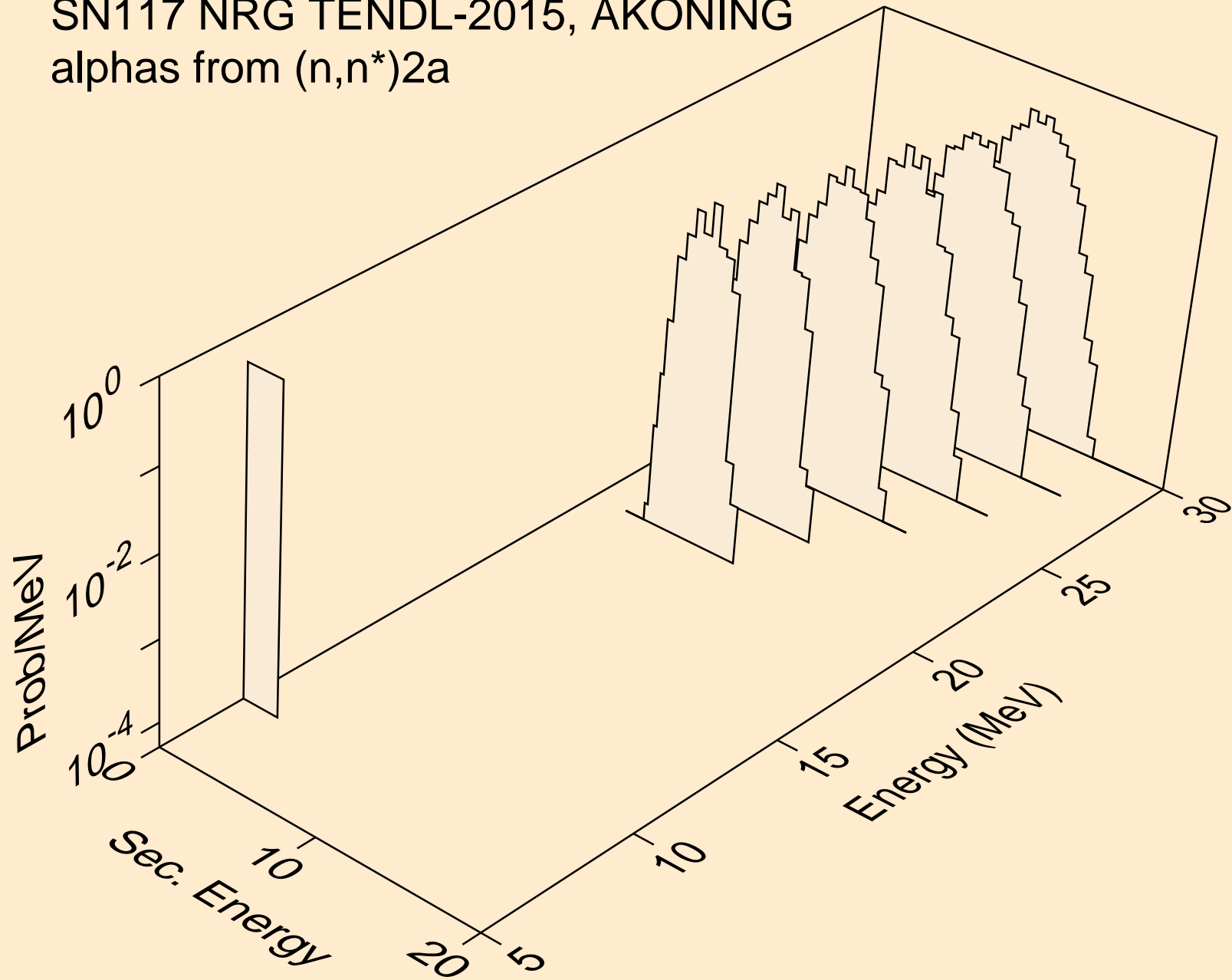




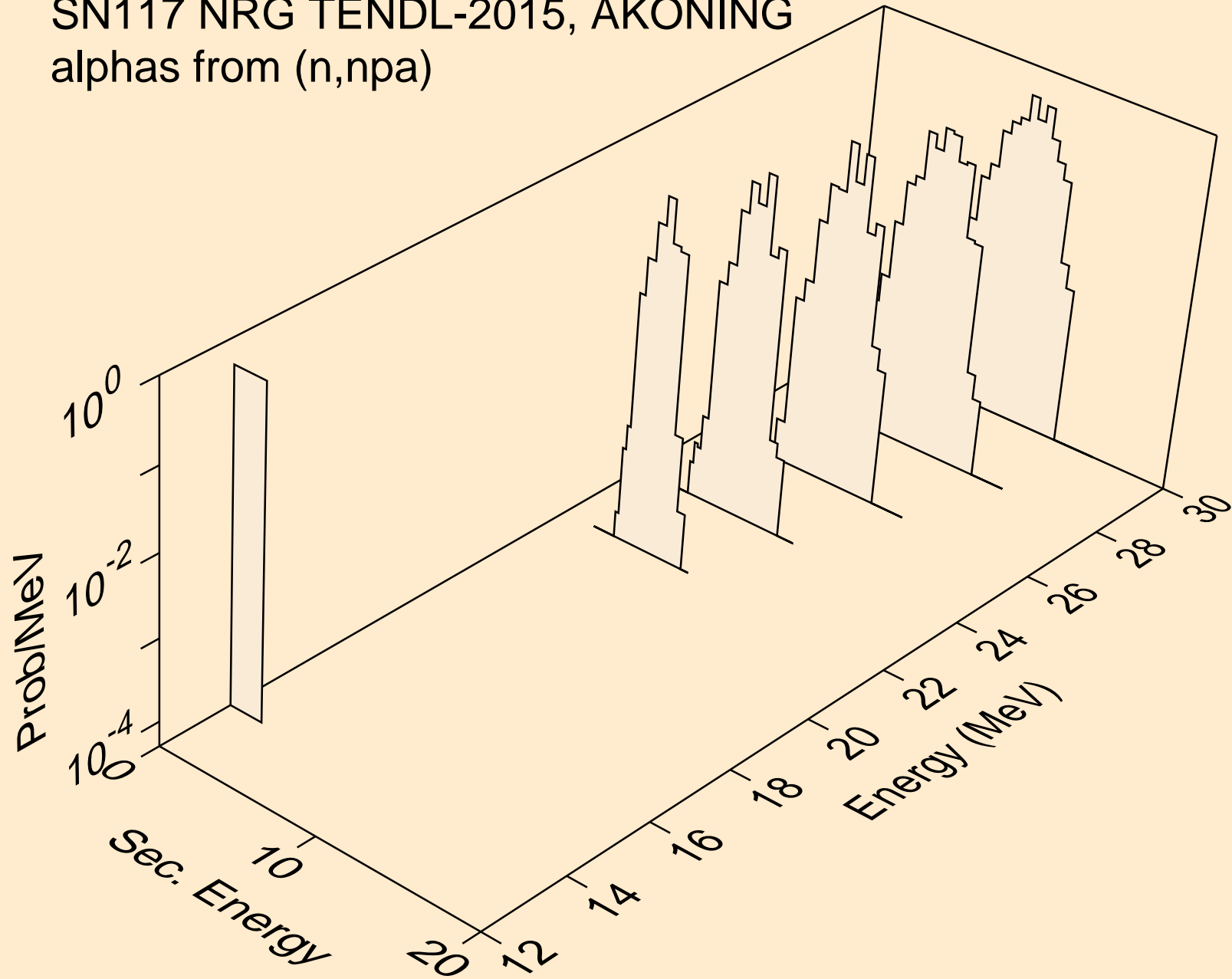
SN117 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



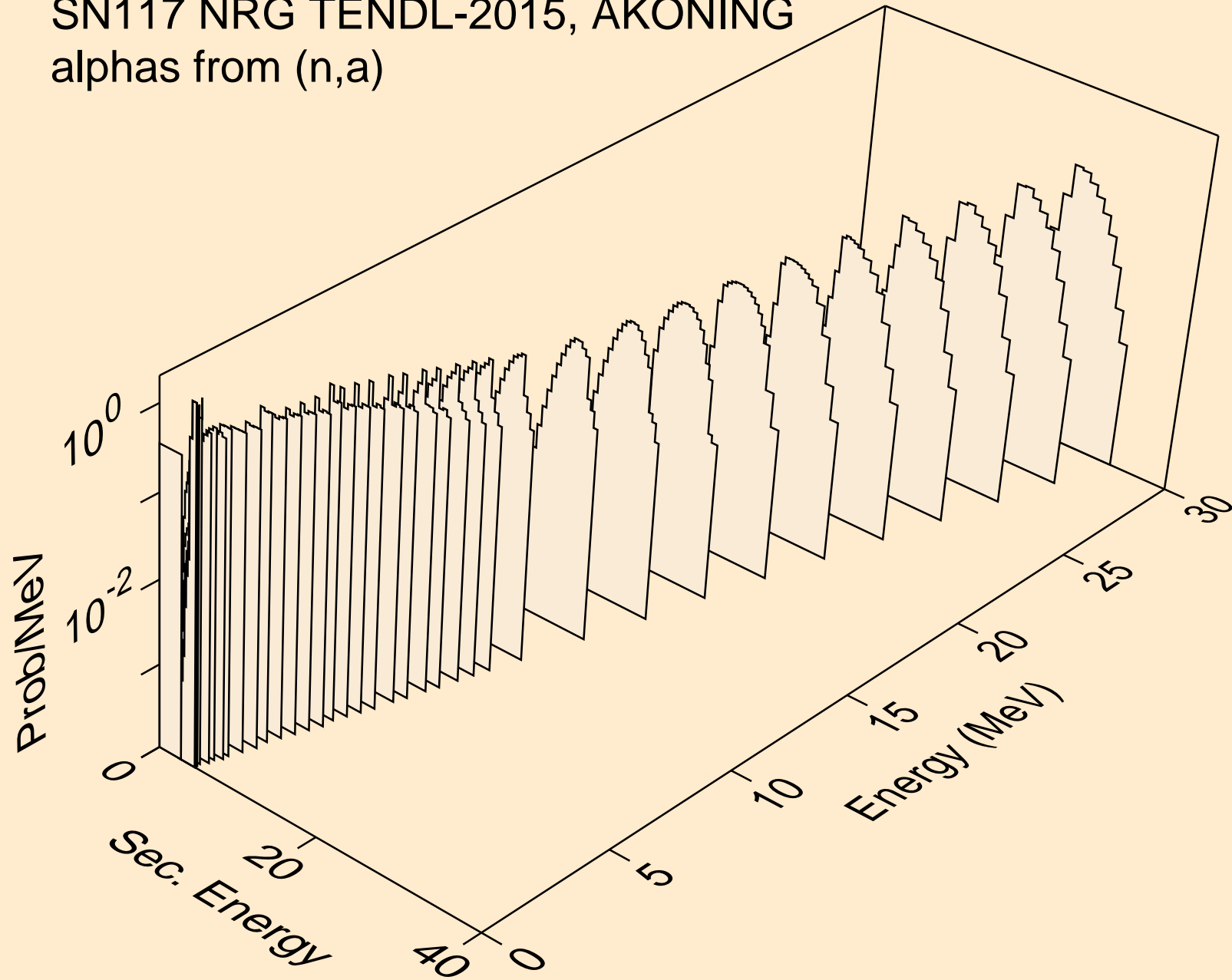
SN117 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



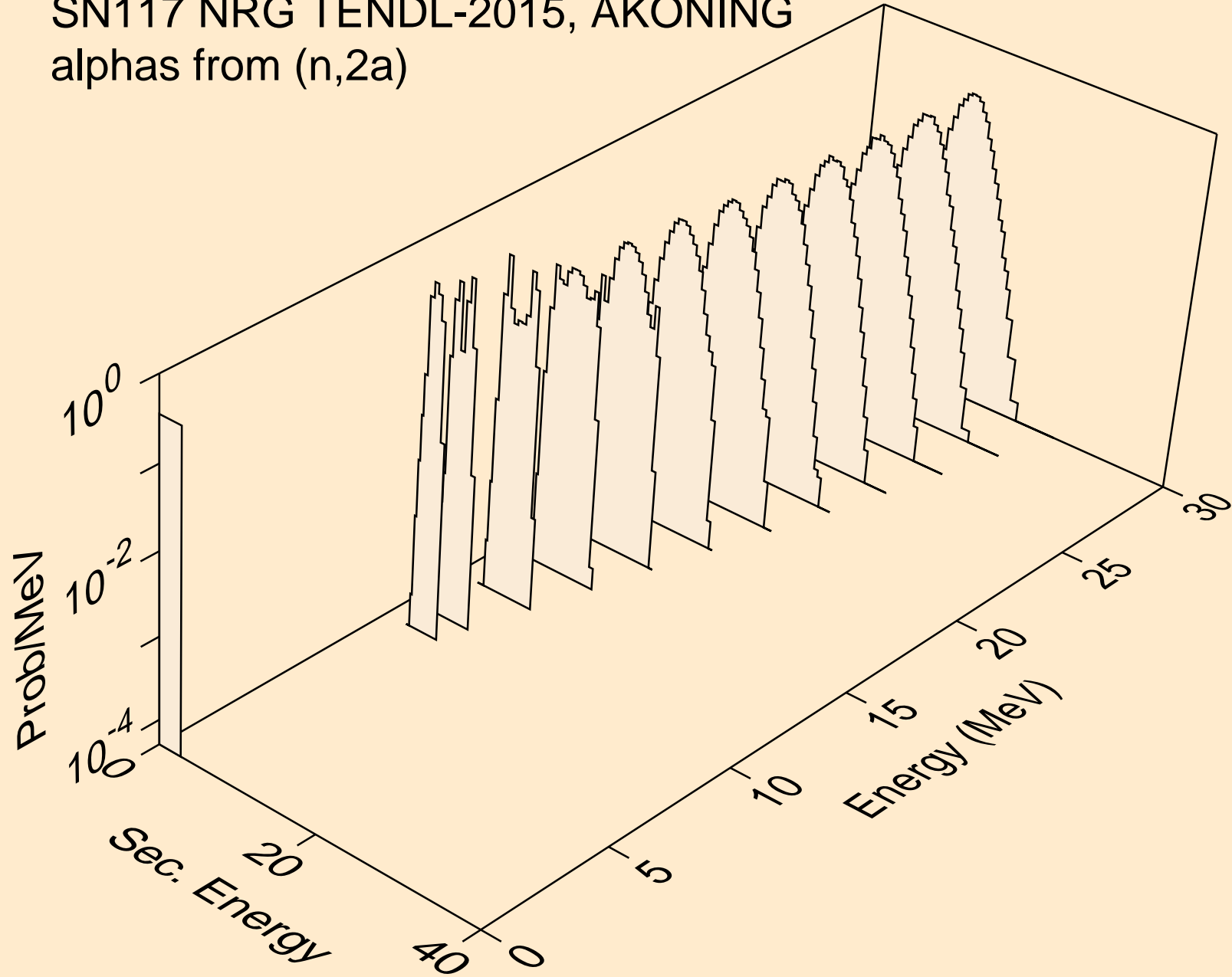
SN117 NRG TENDL-2015, AKONING  
alphas from (n,npa)



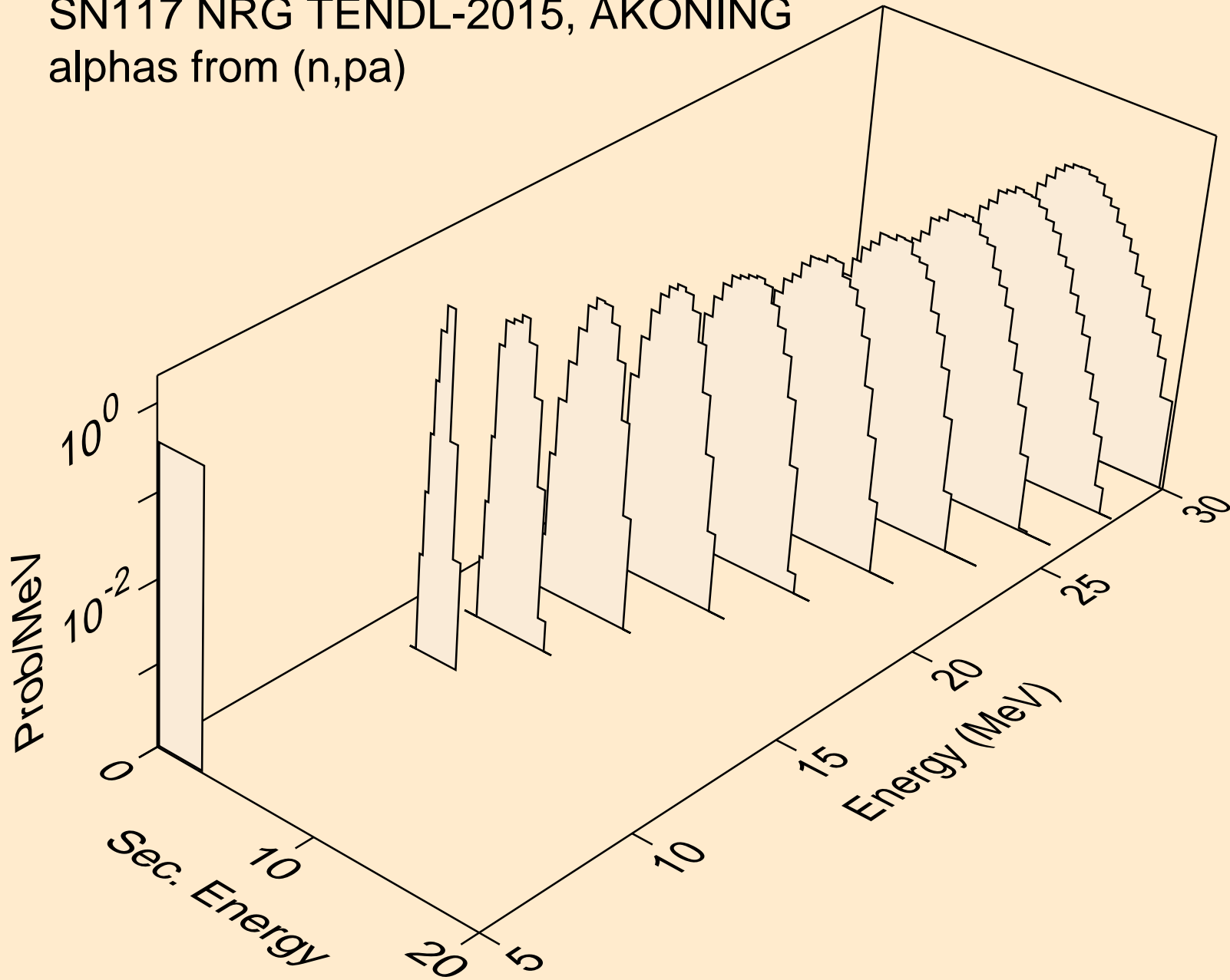
SN117 NRG TENDL-2015, AKONING  
alphas from (n,a)



SN117 NRG TENDL-2015, AKONING  
alphas from (n,2a)



SN117 NRG TENDL-2015, AKONING  
alphas from (n,pa)



SN117 NRG TENDL-2015, AKONING  
alphas from (n,da)

