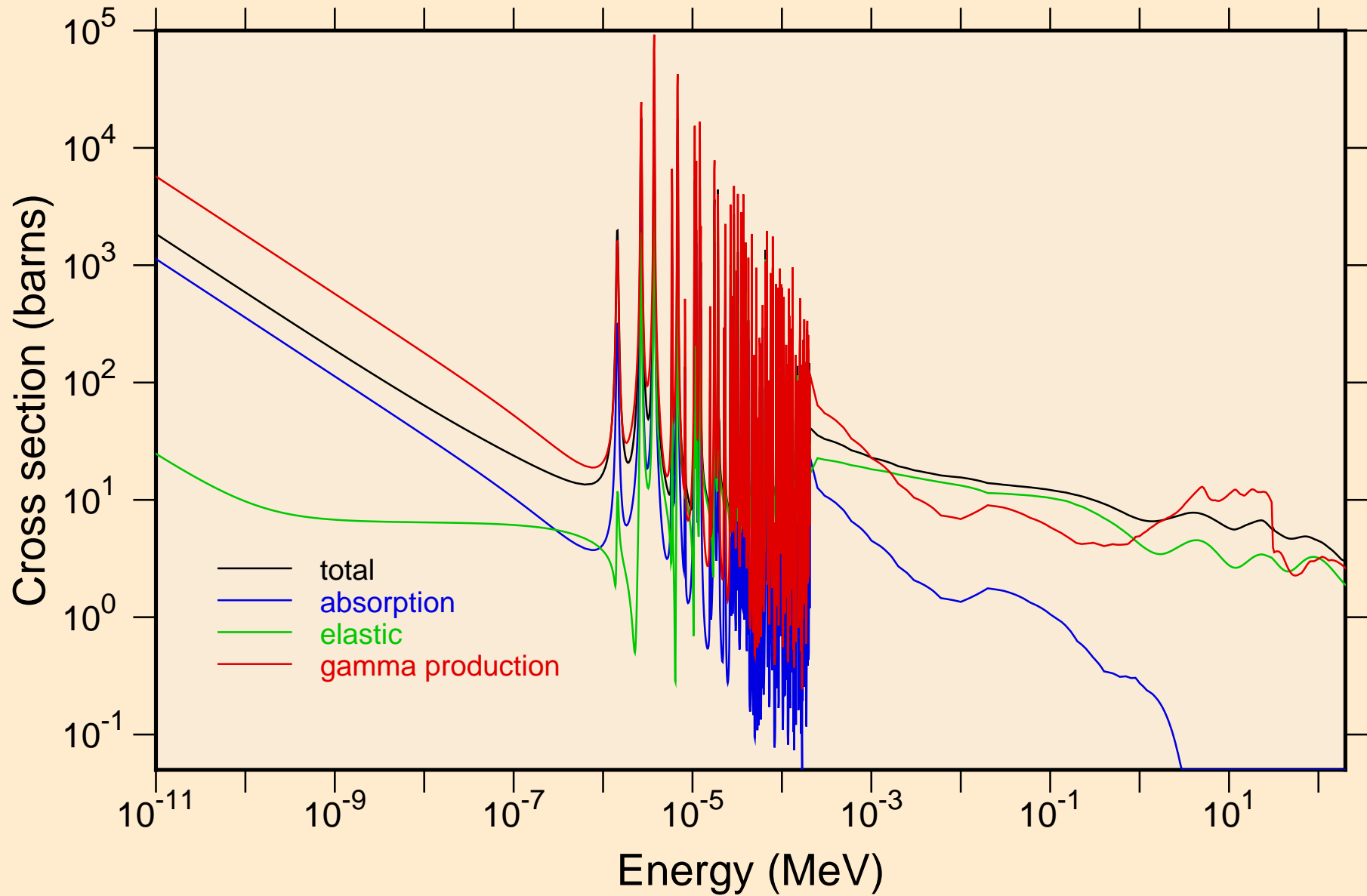
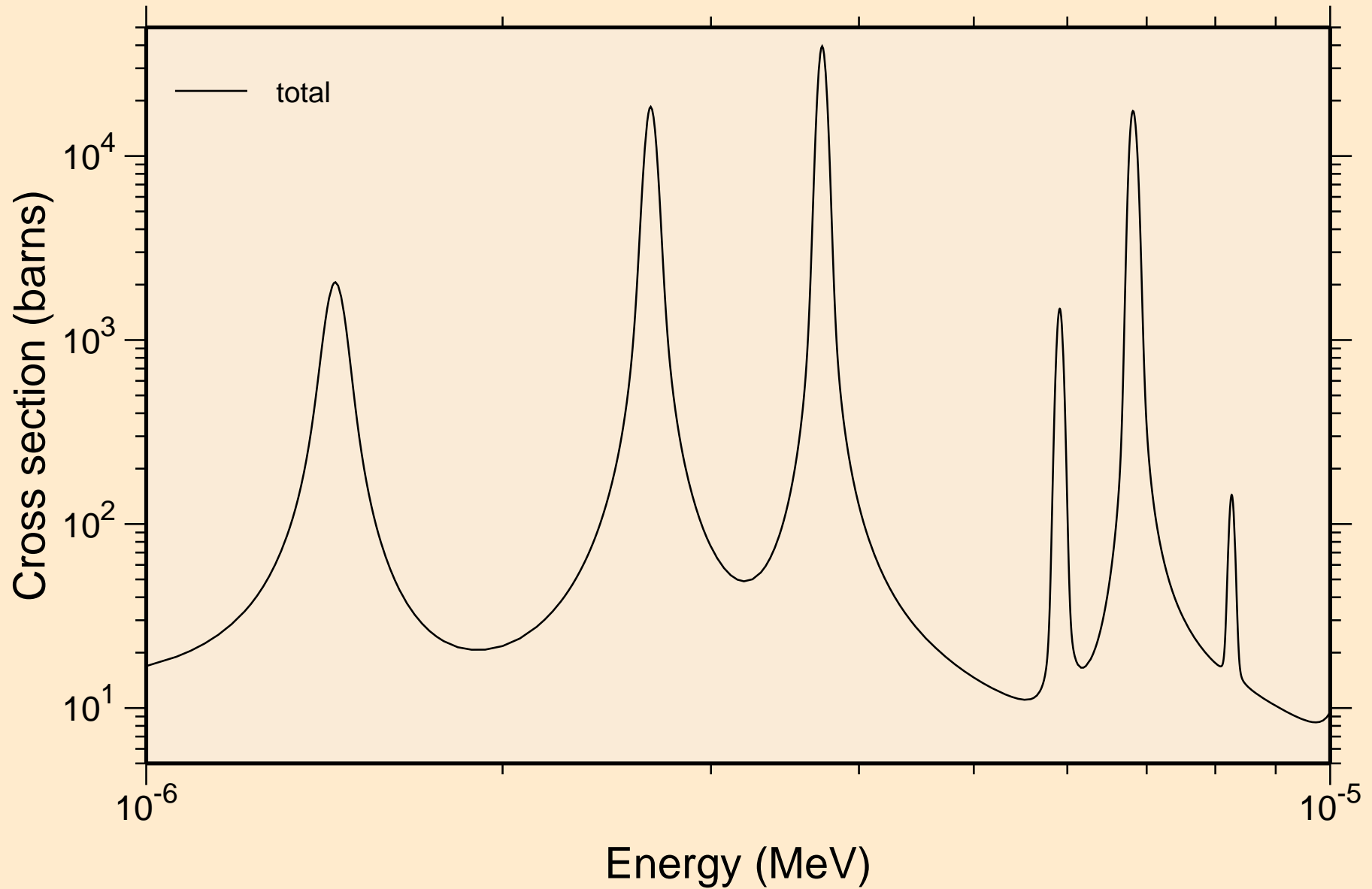


# U239 NRG TENDL-2015, AKONING

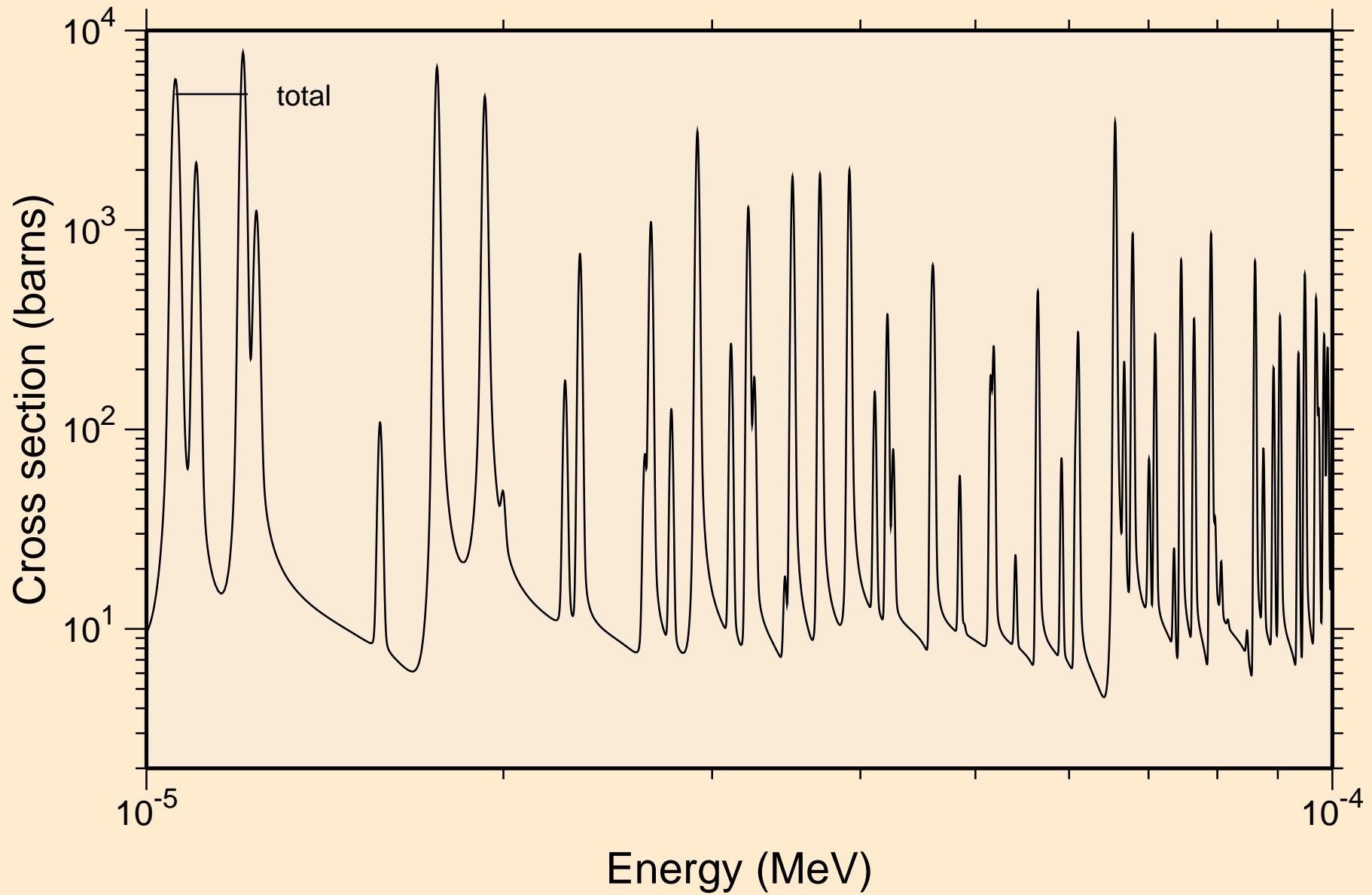
## Principal cross sections



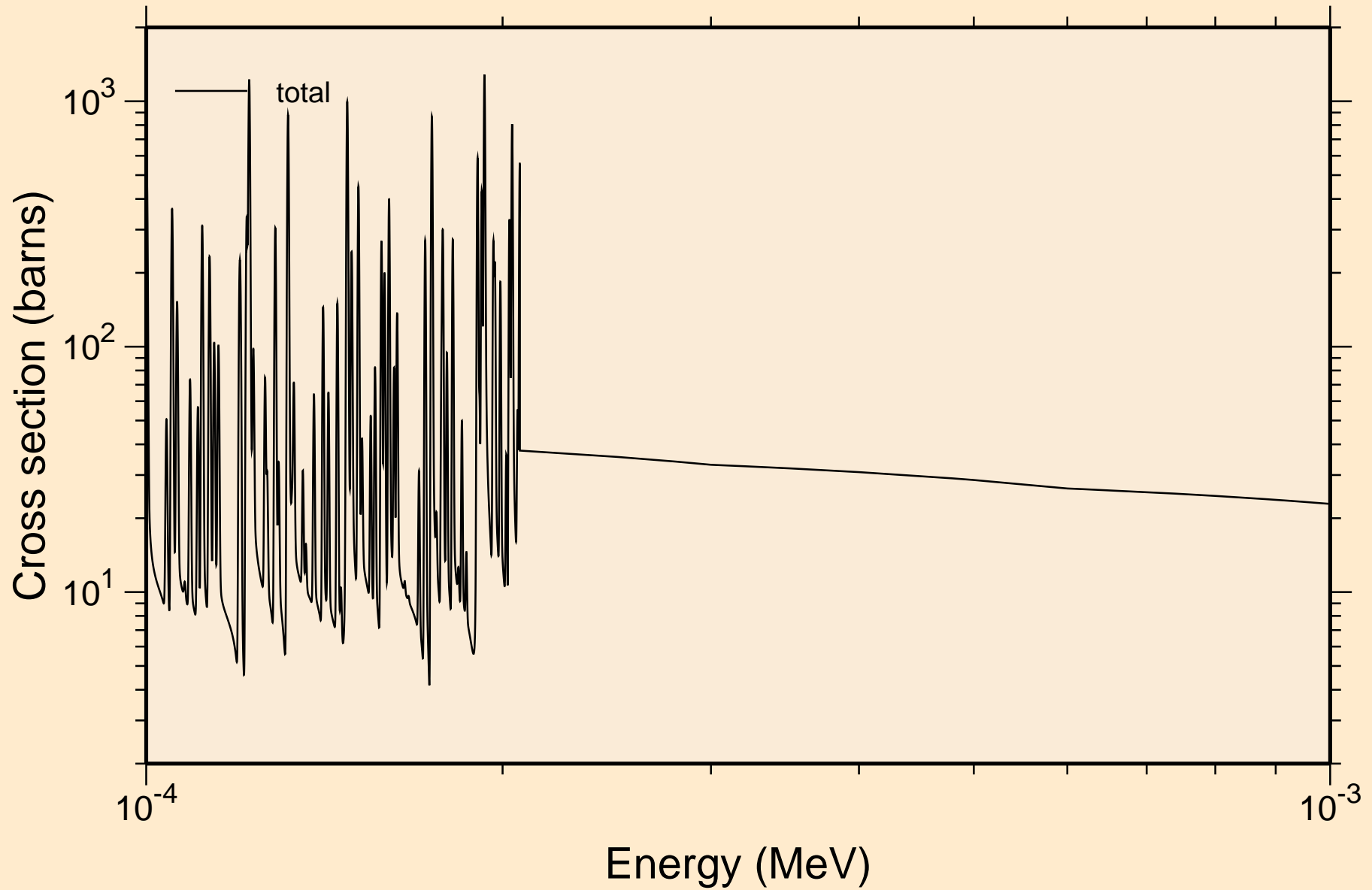
U239 NRG TENDL-2015, AKONING  
resonance total cross section



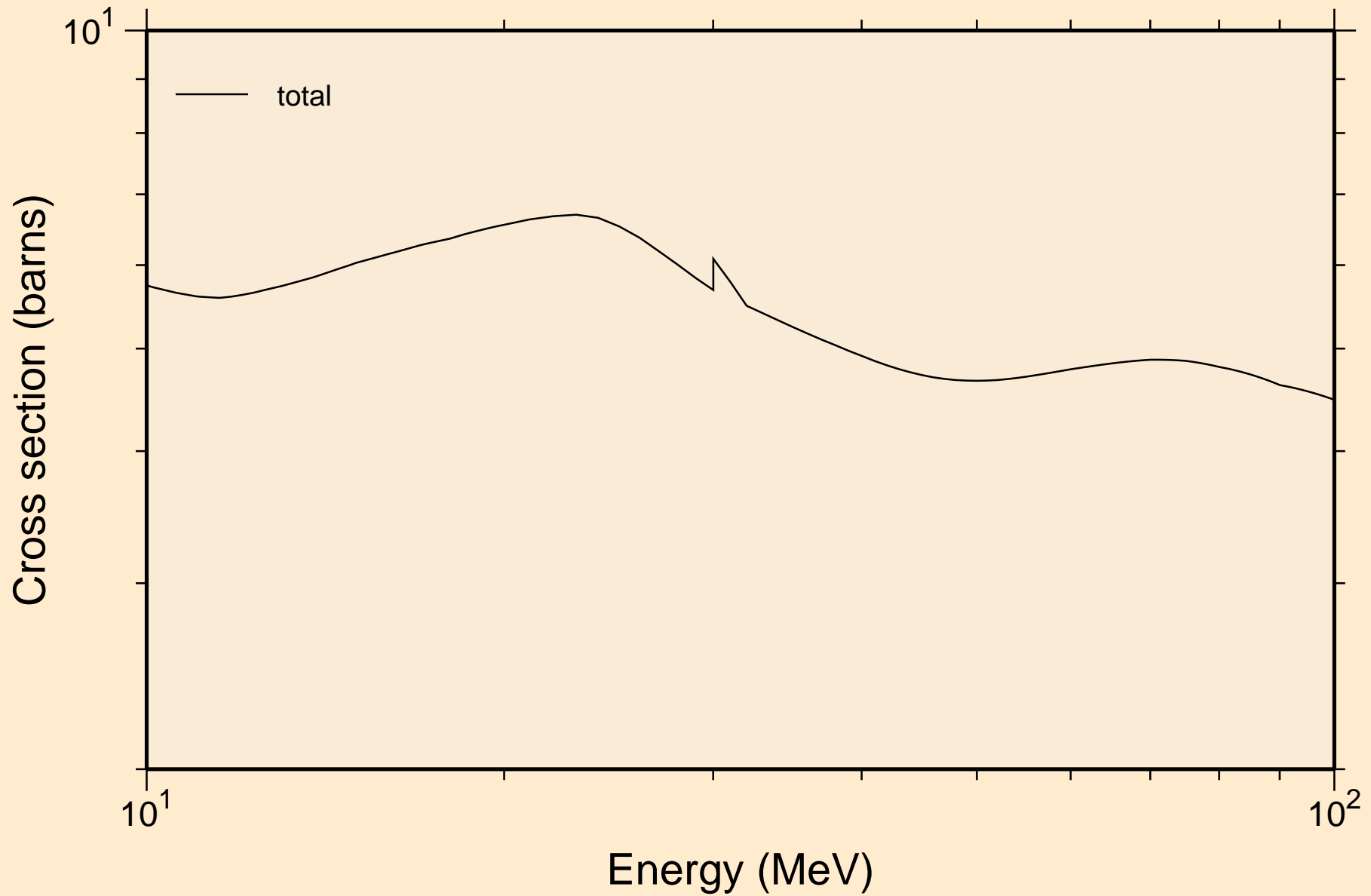
U239 NRG TENDL-2015, AKONING  
resonance total cross section



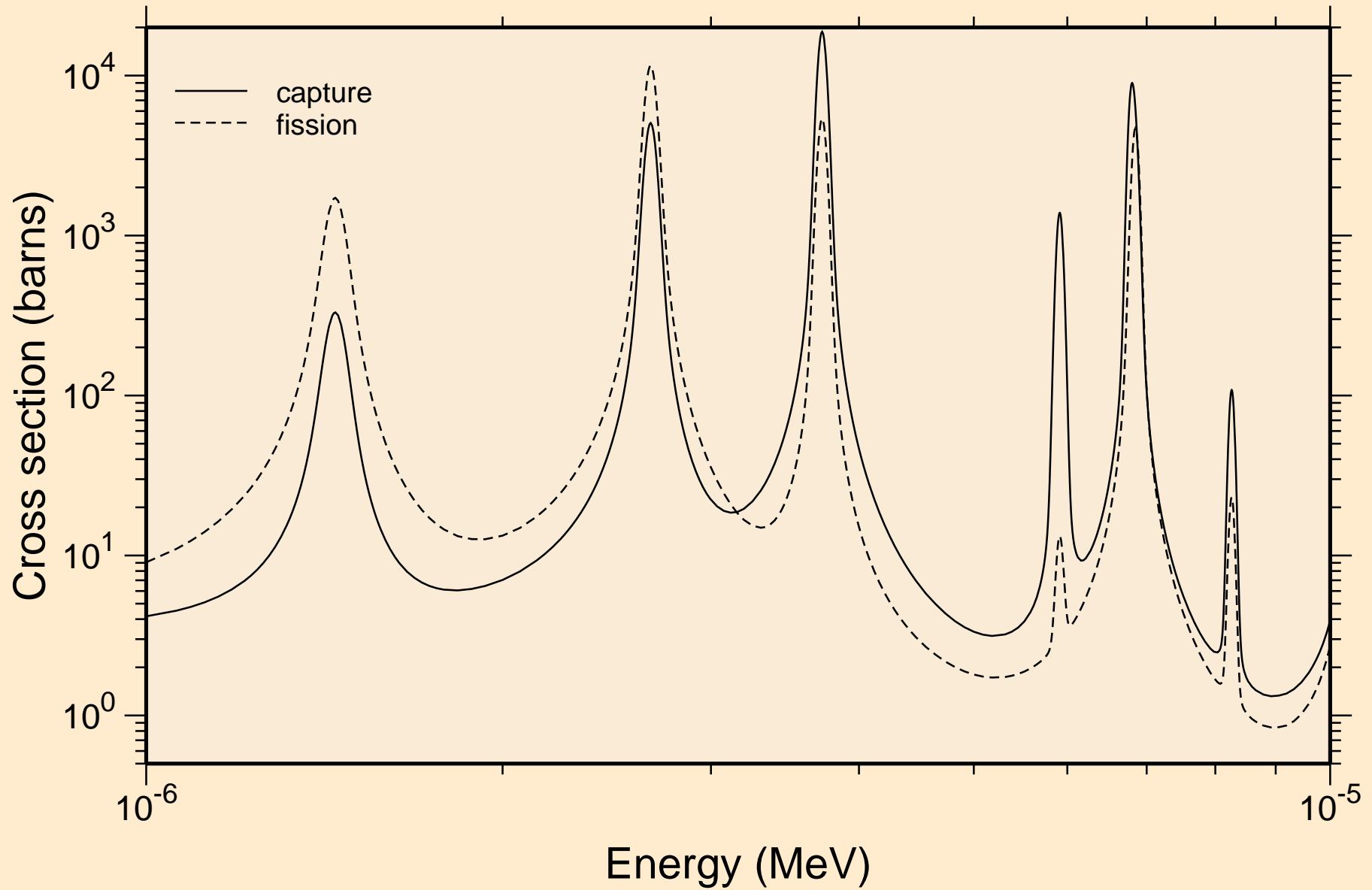
U239 NRG TENDL-2015, AKONING  
resonance total cross section



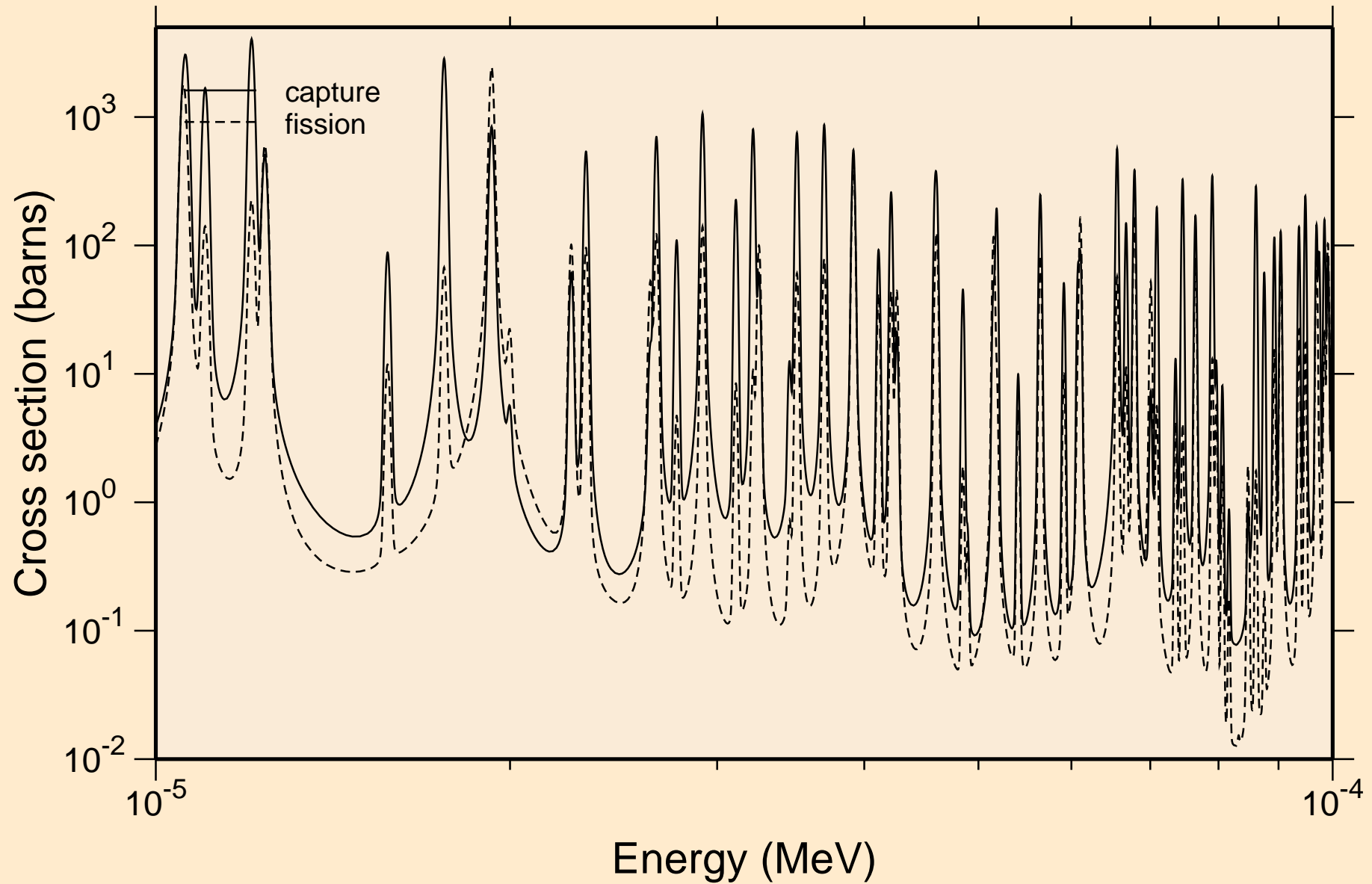
U239 NRG TENDL-2015, AKONING  
resonance total cross section



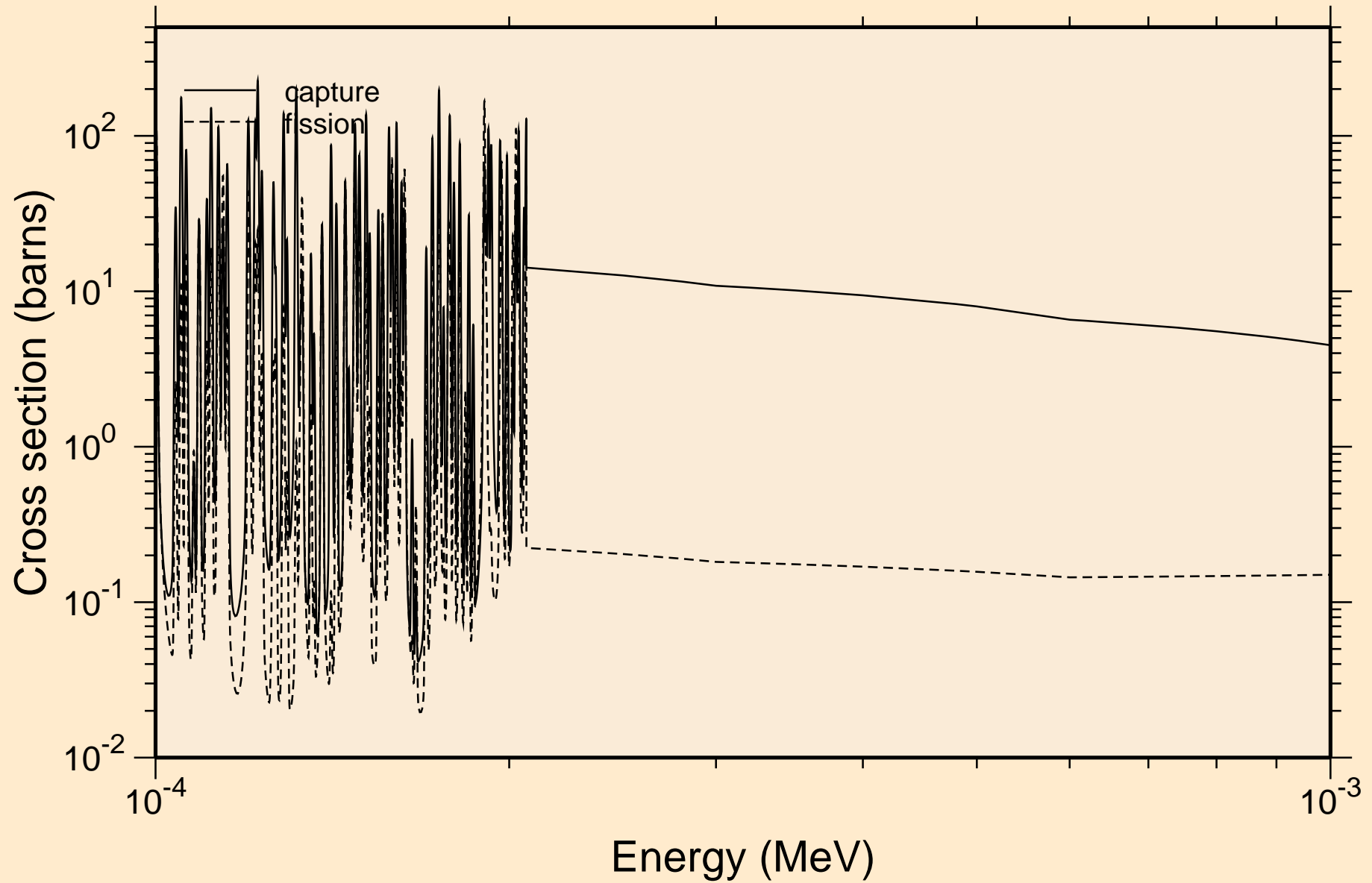
# U239 NRG TENDL-2015, AKONING resonance absorption cross sections



U239 NRG TENDL-2015, AKONING  
resonance absorption cross sections

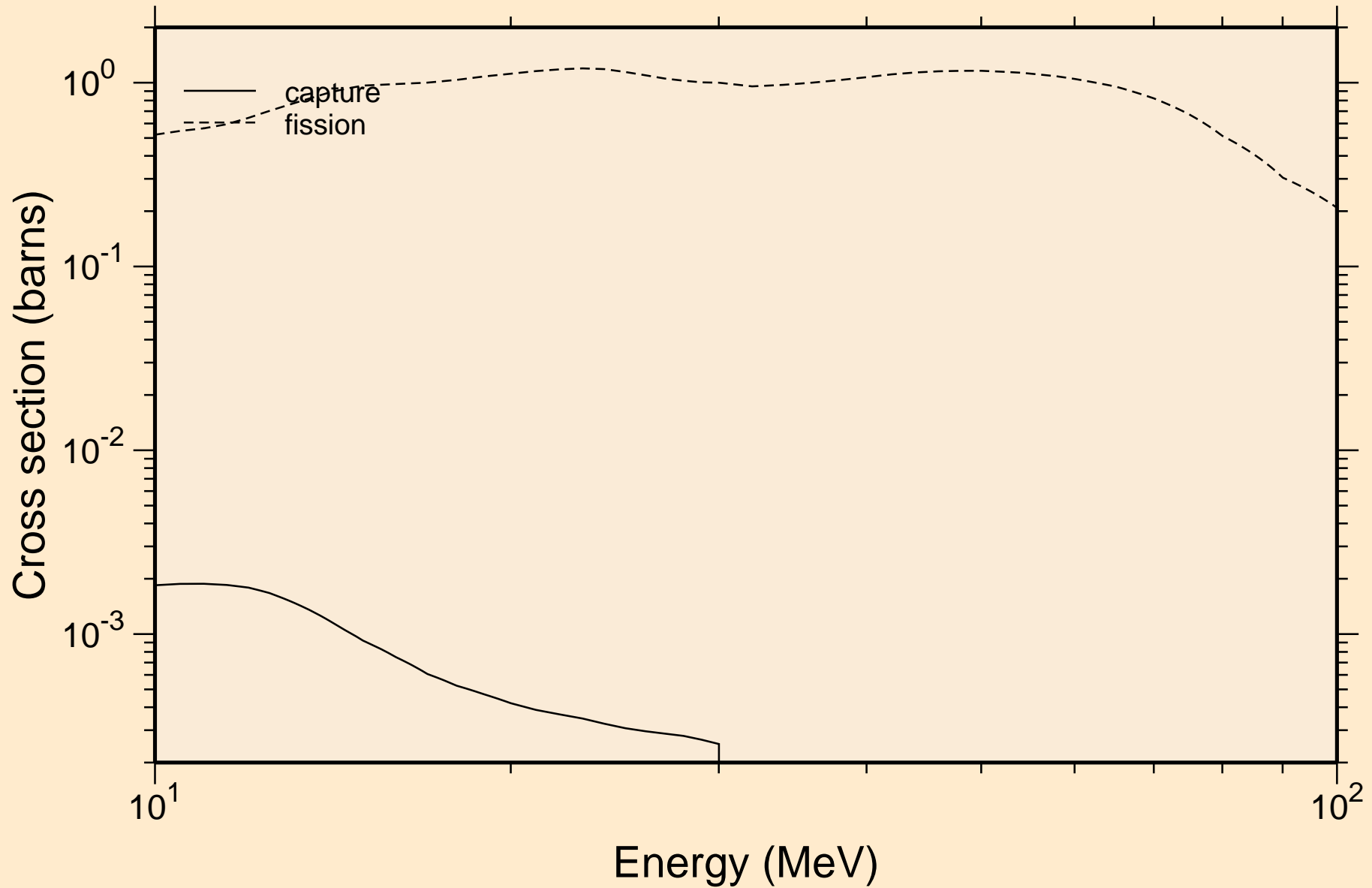


U239 NRG TENDL-2015, AKONING  
resonance absorption cross sections



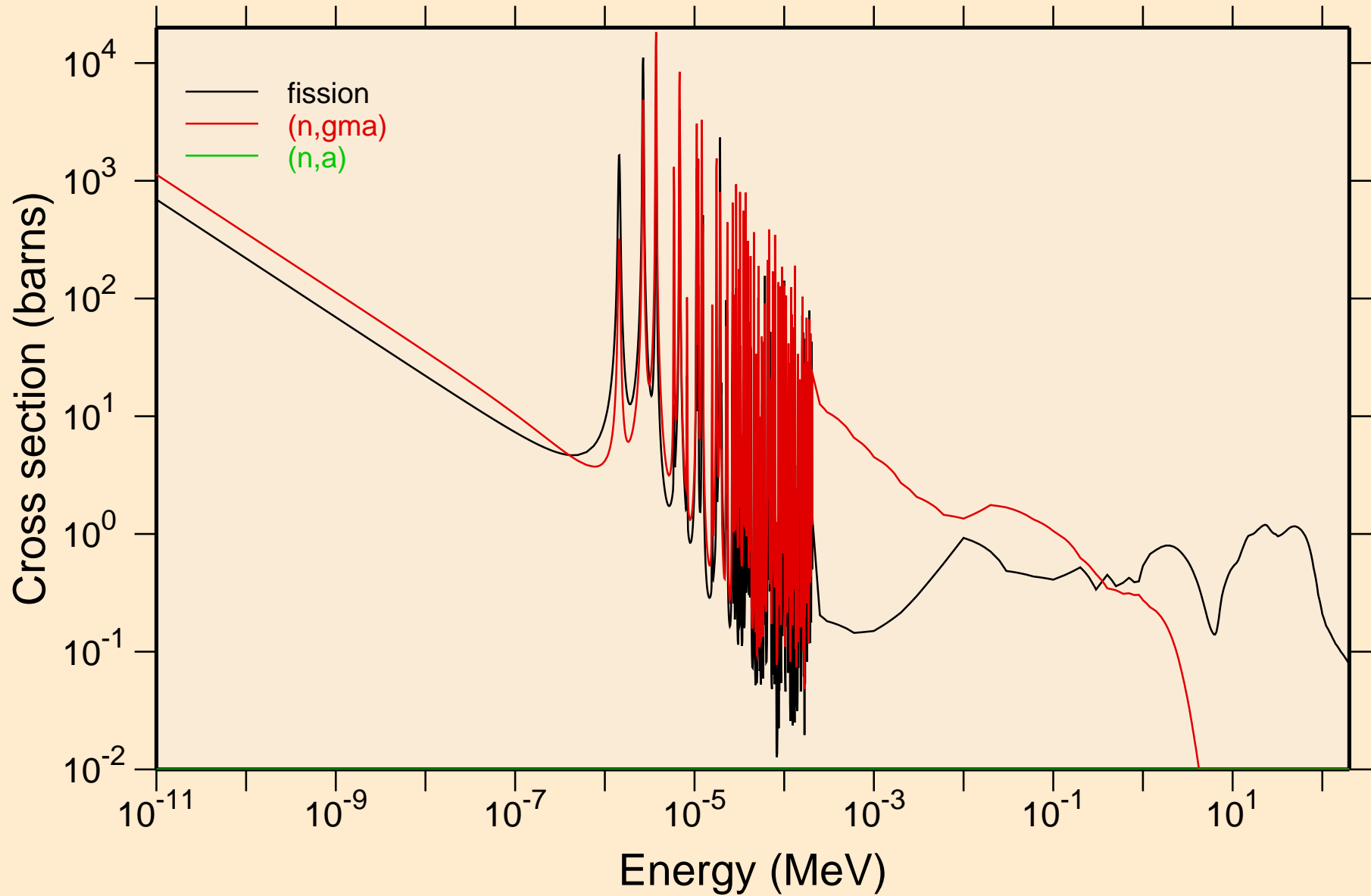


# U239 NRG TENDL-2015, AKONING resonance absorption cross sections



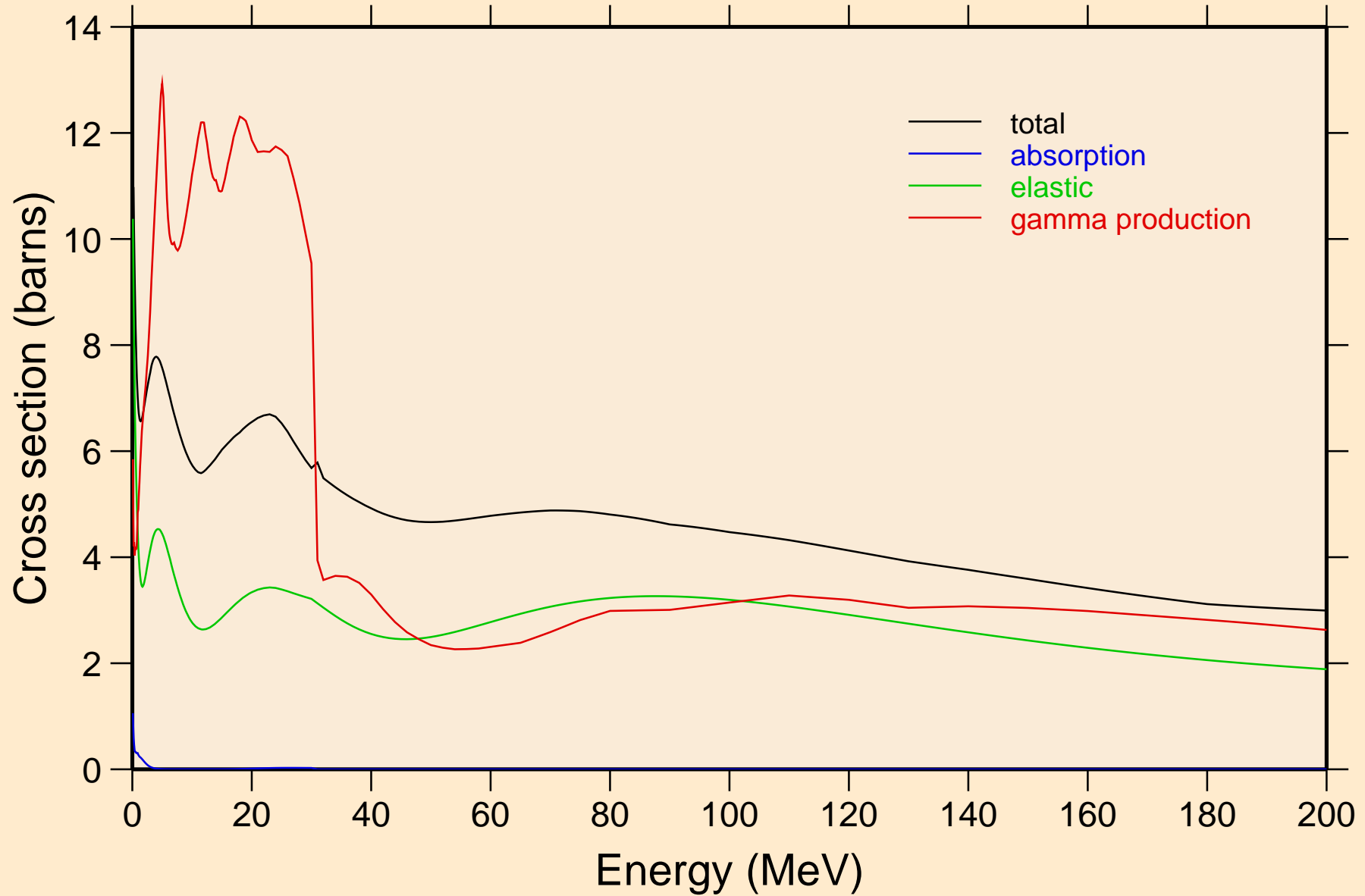
# U239 NRG TENDL-2015, AKONING

## Non-threshold reactions



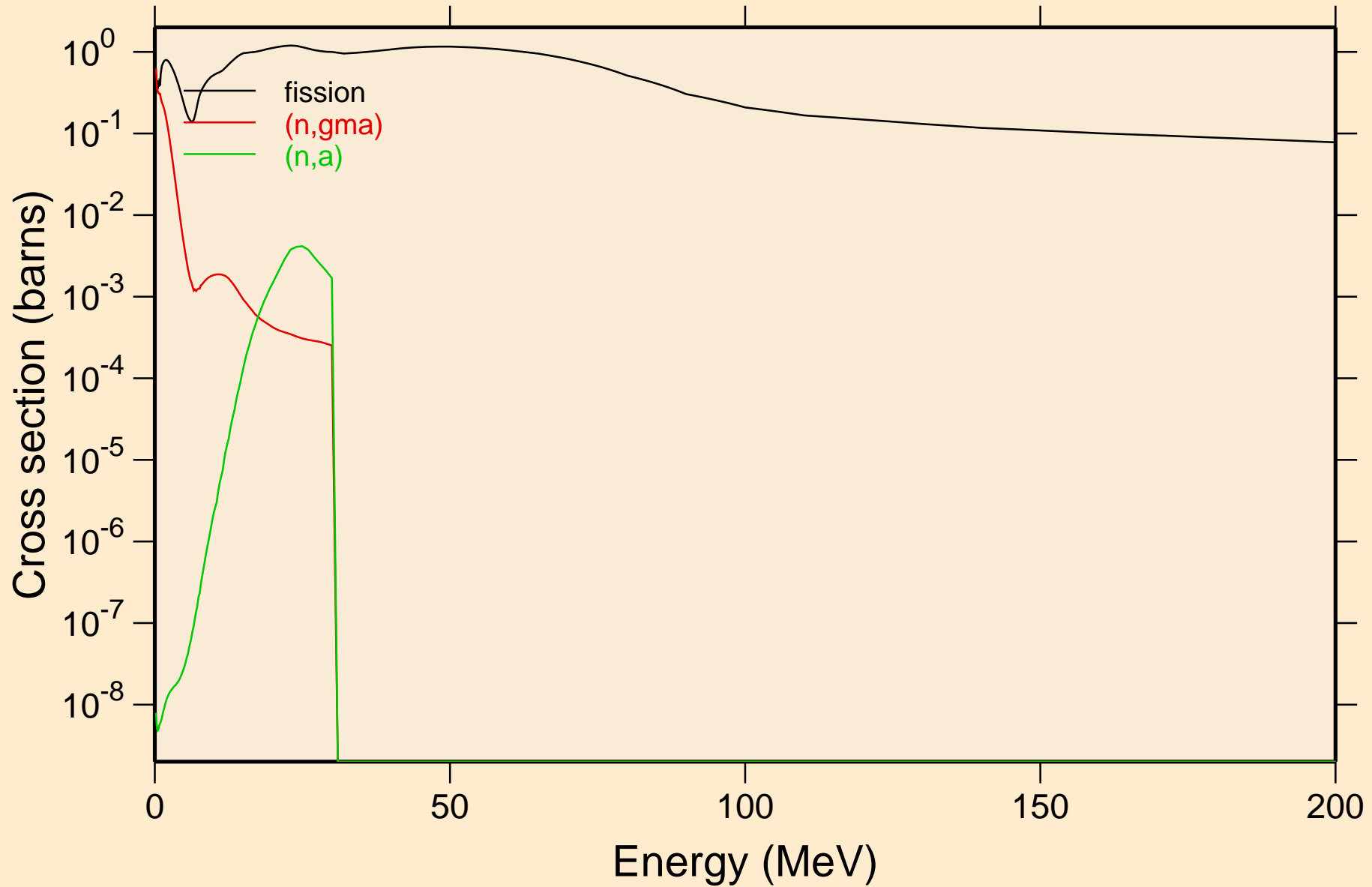
# U239 NRG TENDL-2015, AKONING

## Principal cross sections



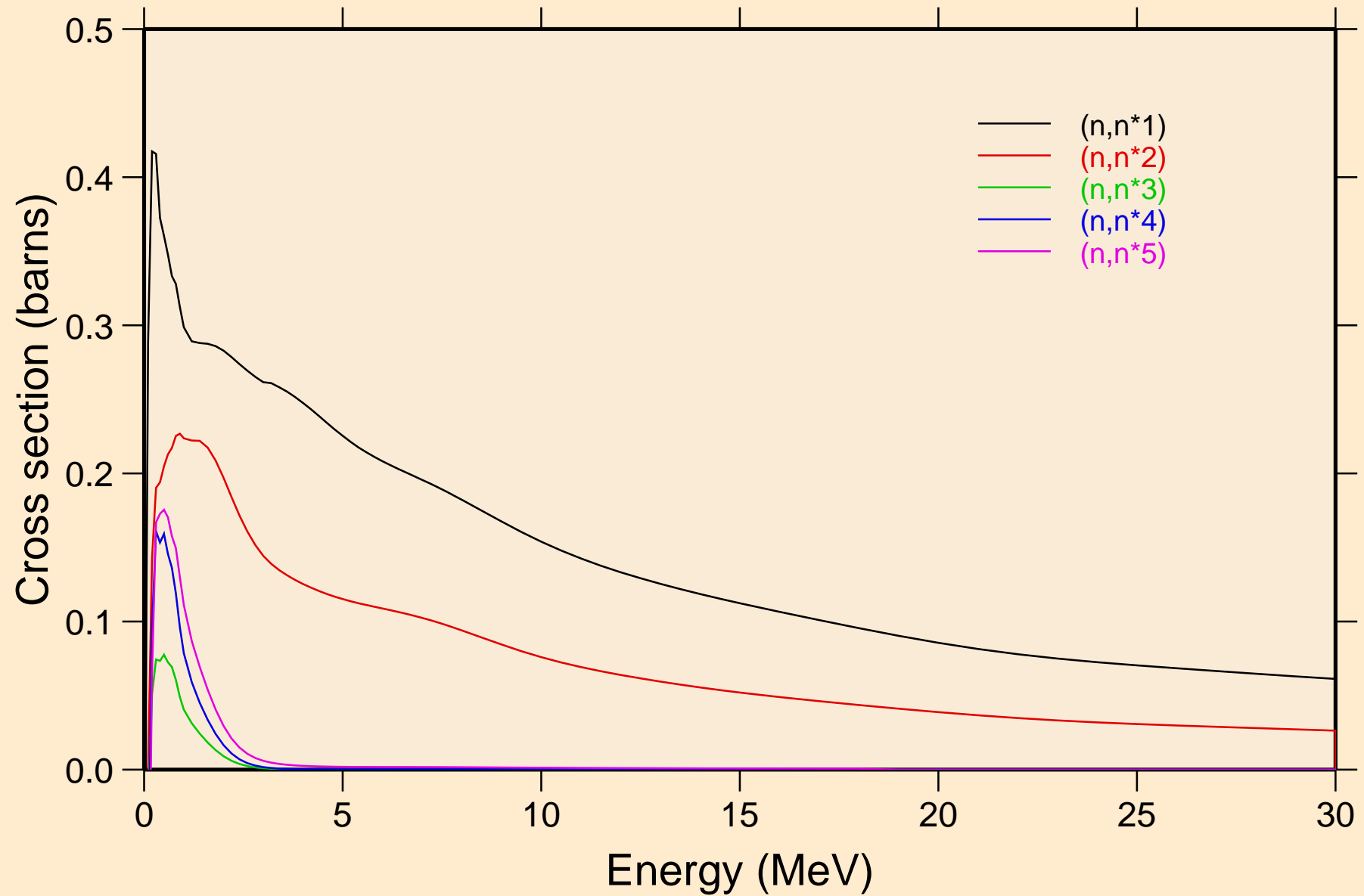
# U239 NRG TENDL-2015, AKONING

## Non-threshold reactions



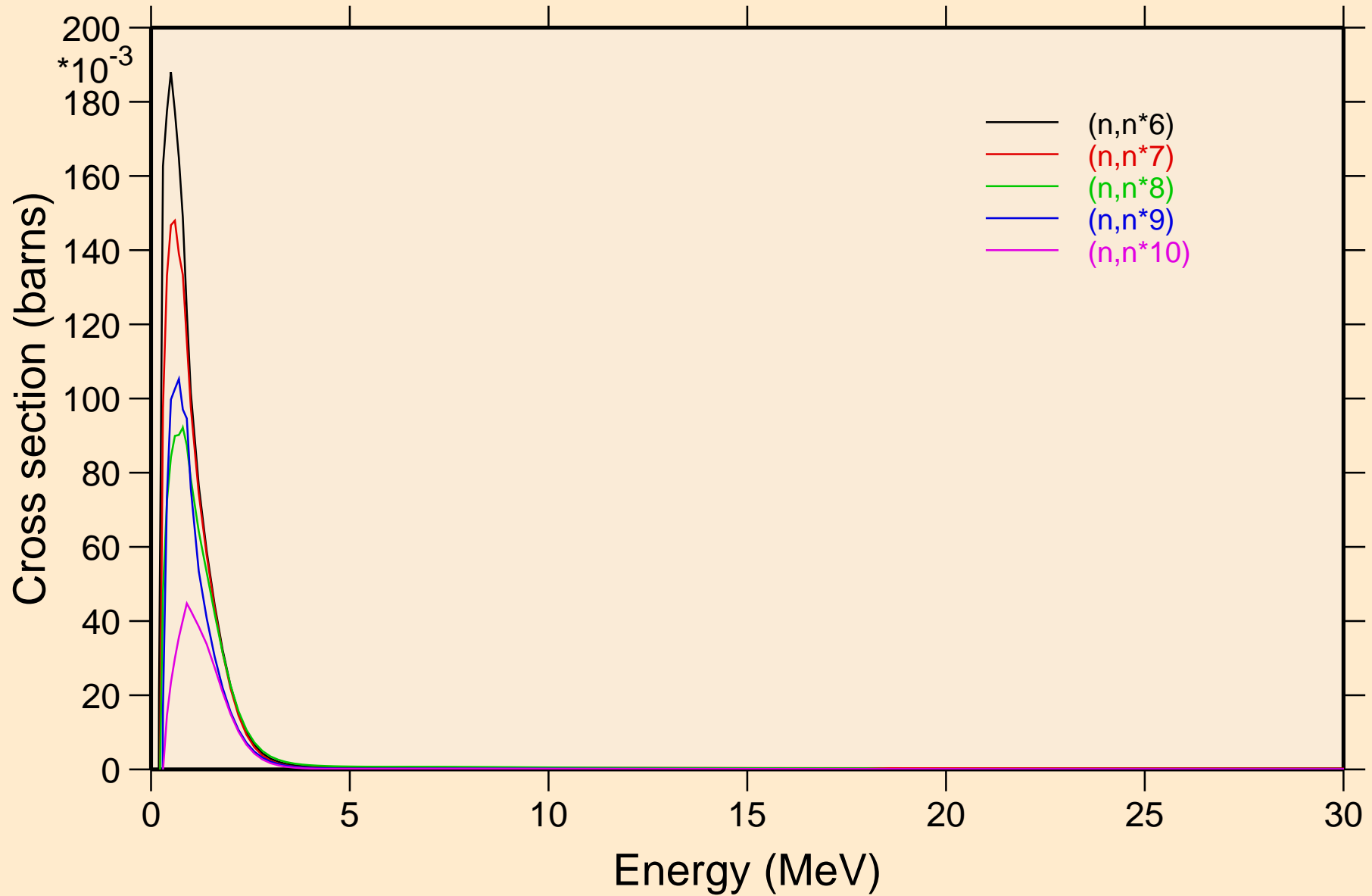
# U239 NRG TENDL-2015, AKONING

## Inelastic levels



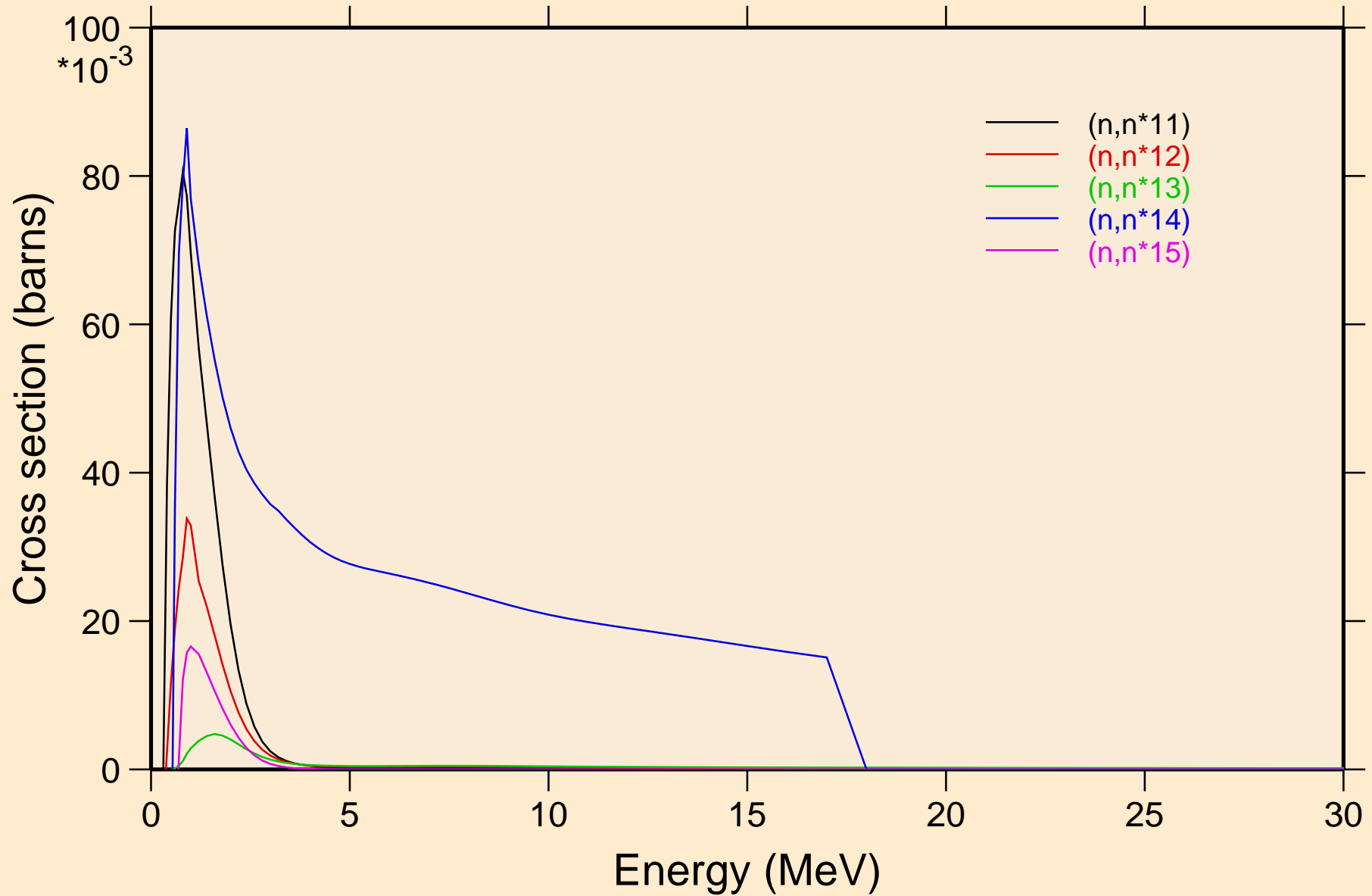
# U239 NRG TENDL-2015, AKONING

## Inelastic levels



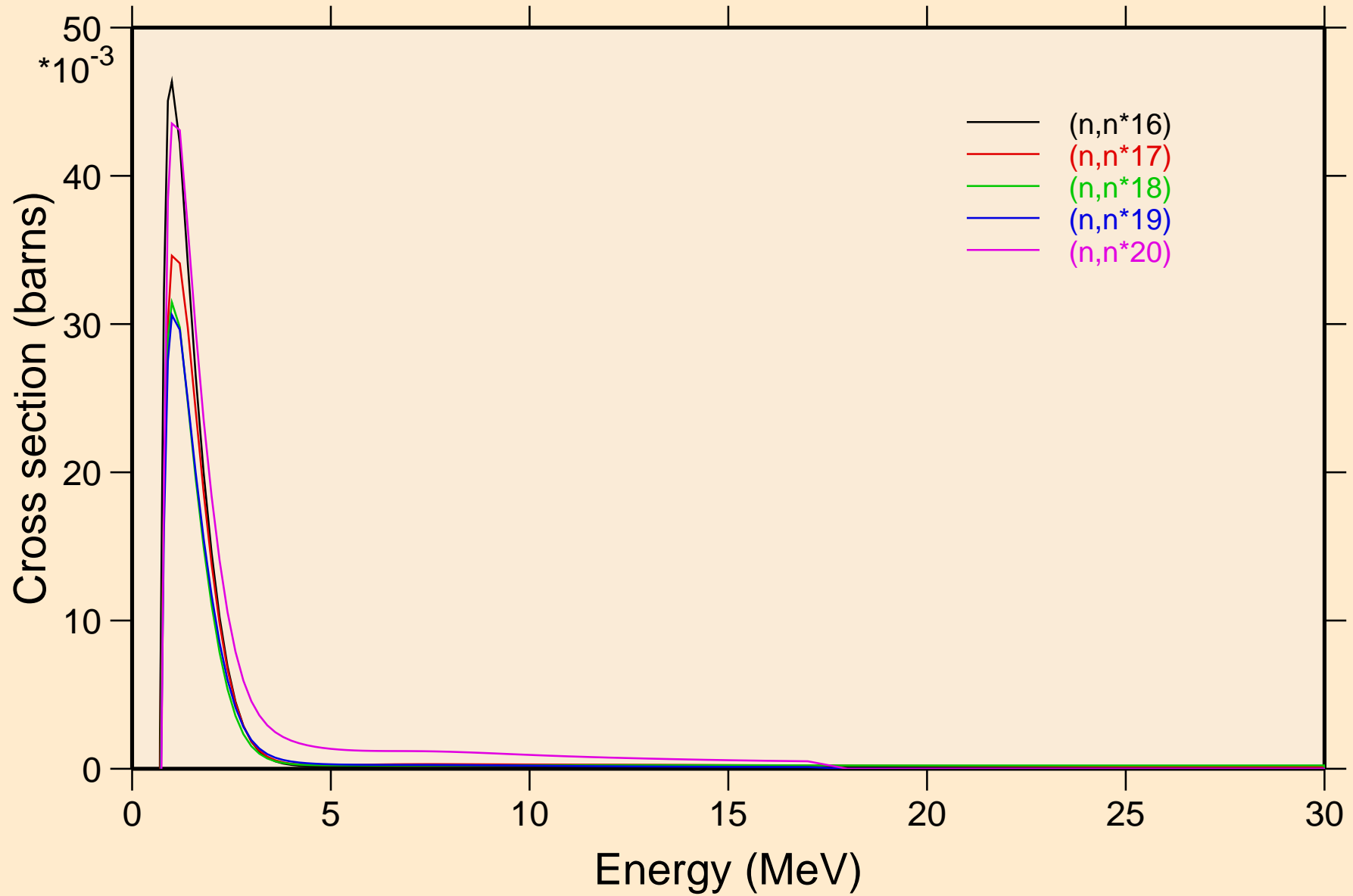
# U239 NRG TENDL-2015, AKONING

## Inelastic levels



# U239 NRG TENDL-2015, AKONING

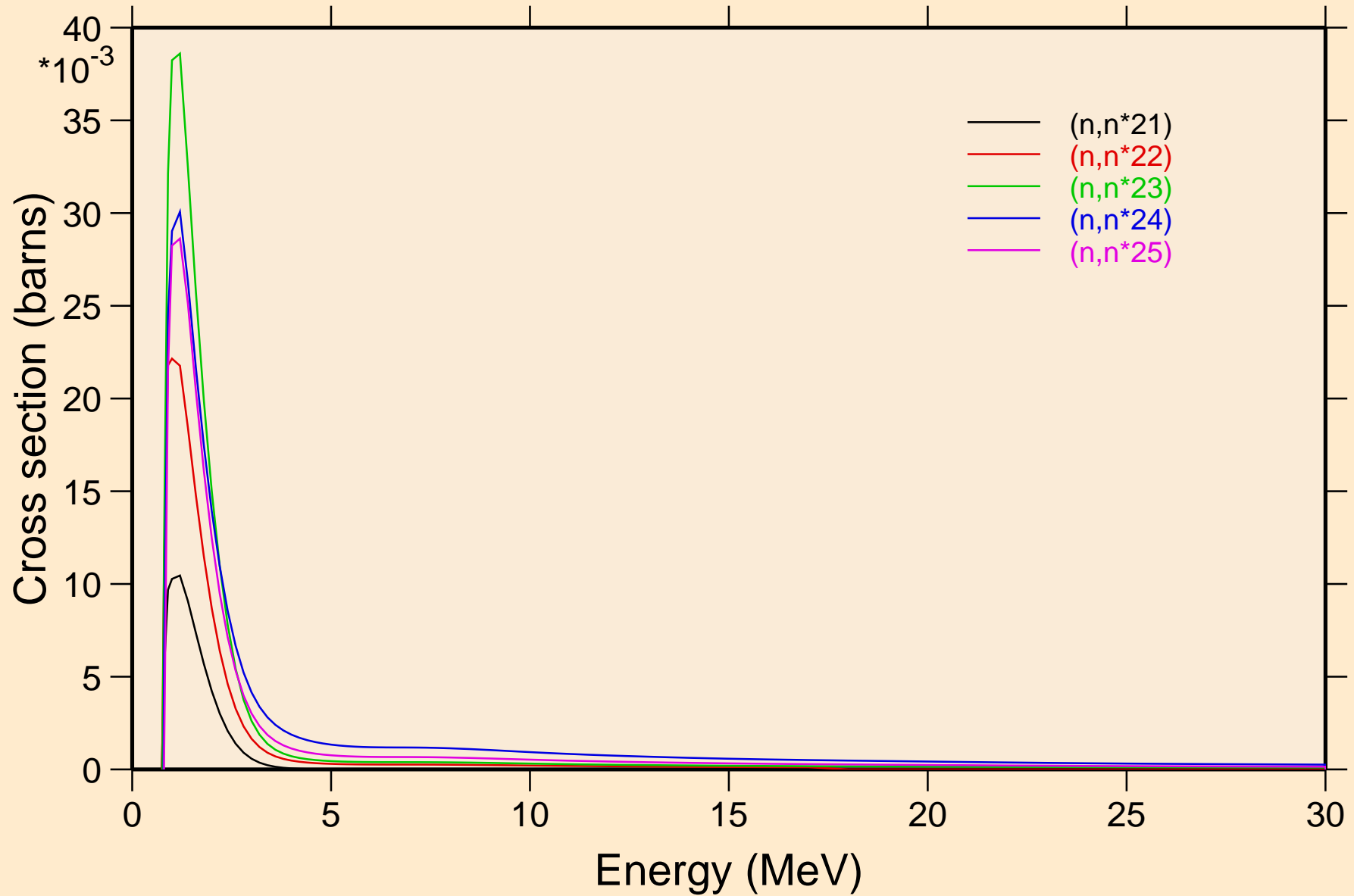
## Inelastic levels





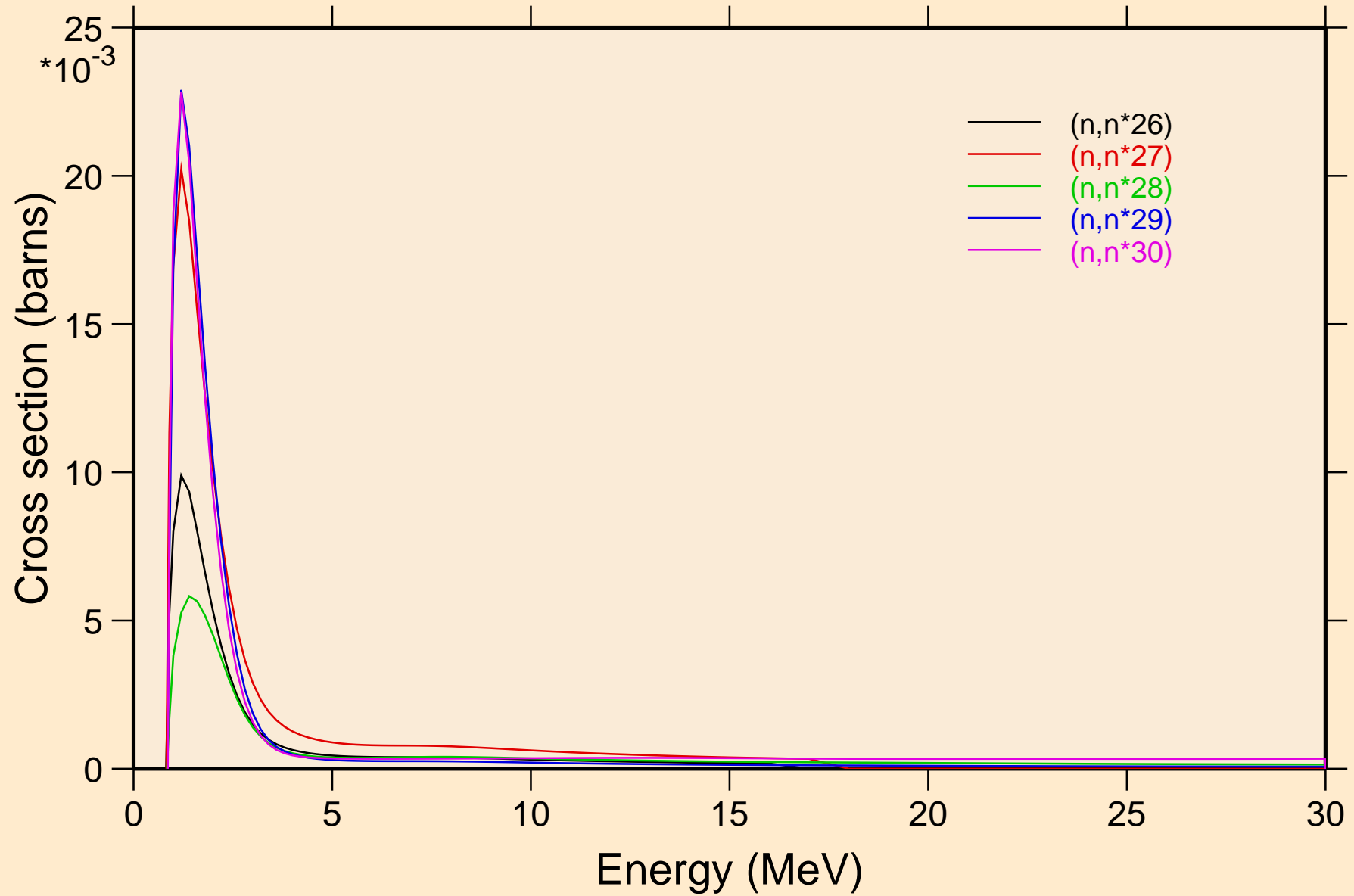
# U239 NRG TENDL-2015, AKONING

## Inelastic levels



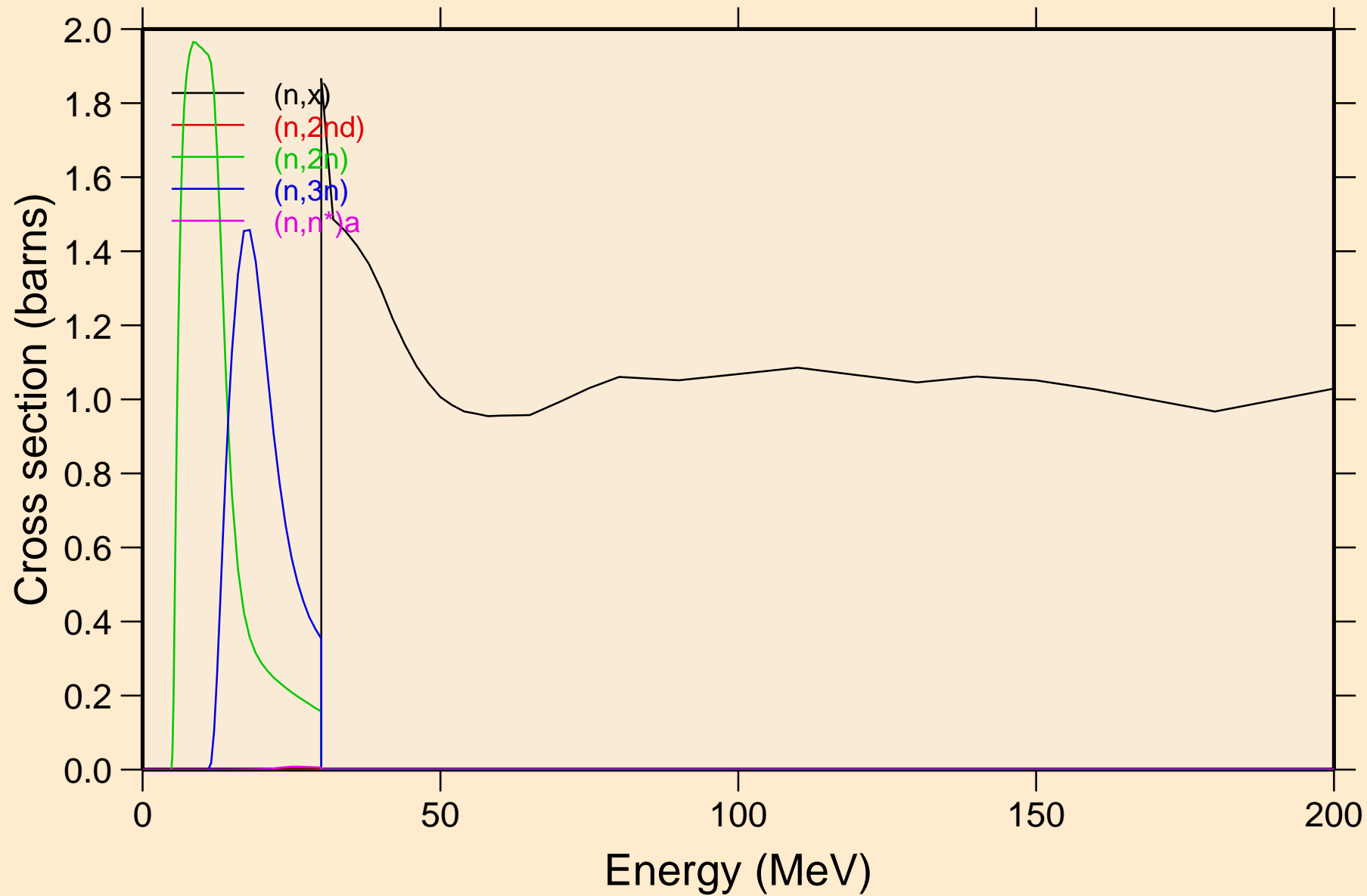
# U239 NRG TENDL-2015, AKONING

## Inelastic levels



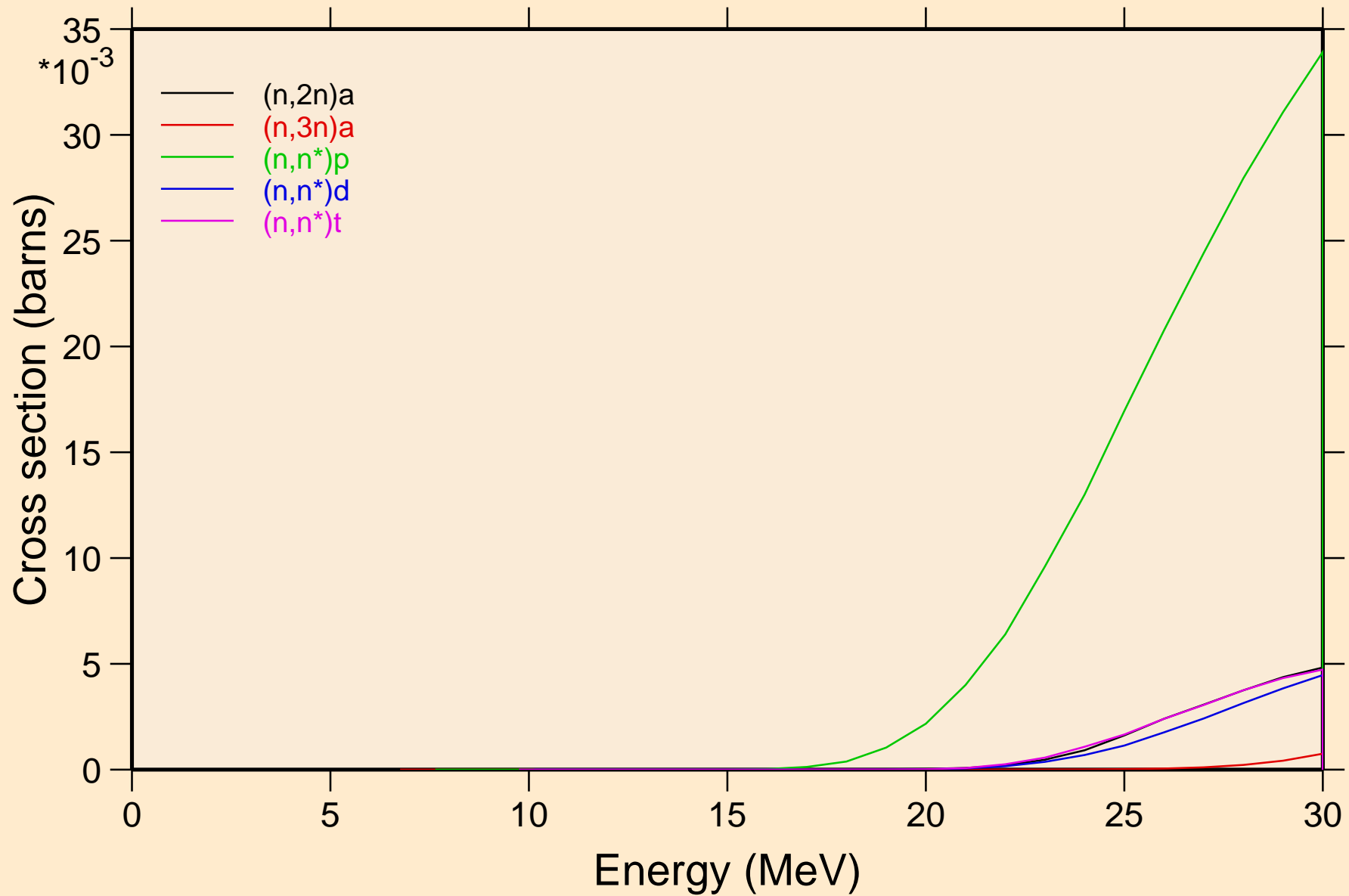
# U239 NRG TENDL-2015, AKONING

## Threshold reactions



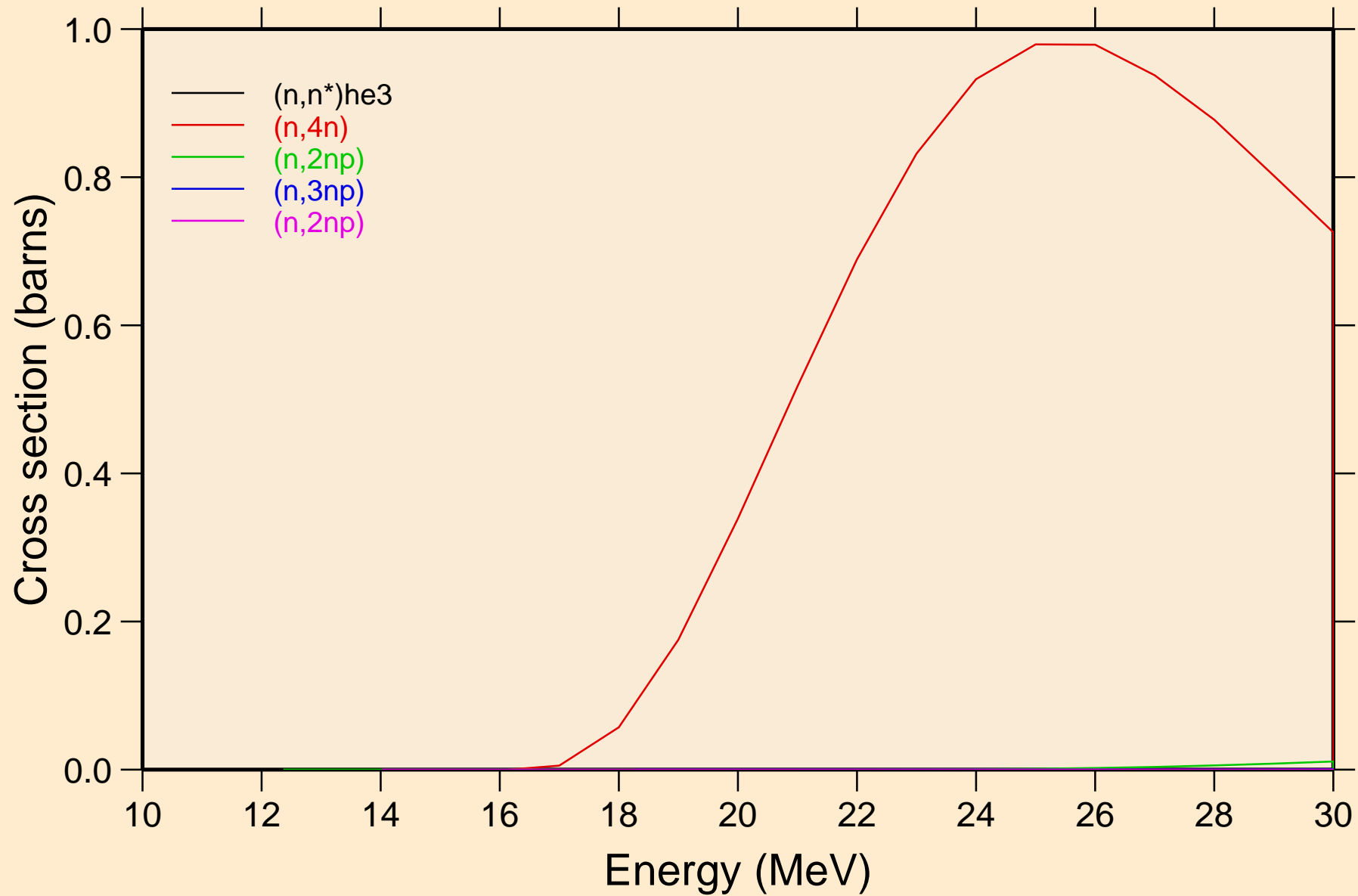
# U239 NRG TENDL-2015, AKONING

## Threshold reactions



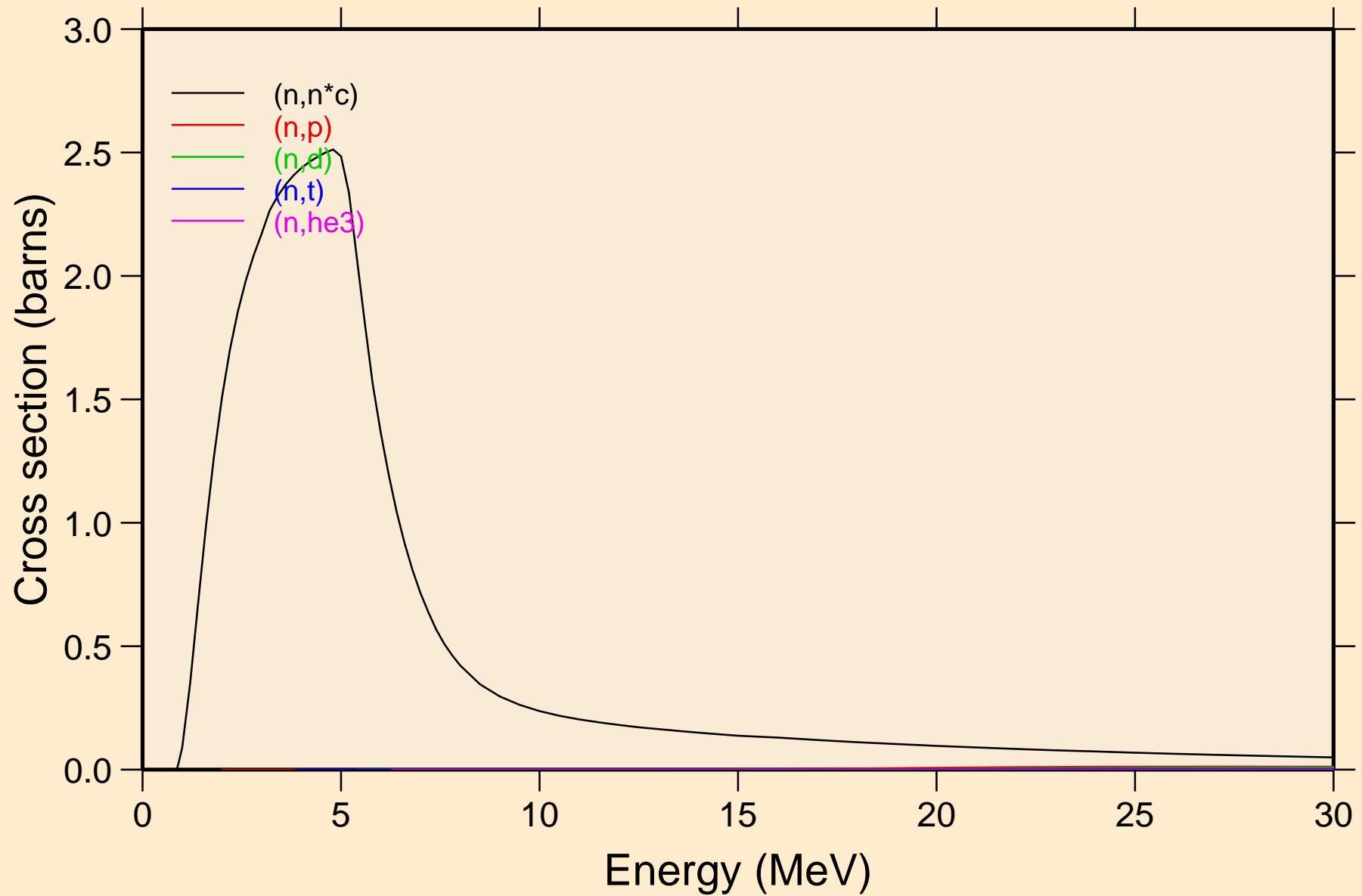
# U239 NRG TENDL-2015, AKONING

## Threshold reactions



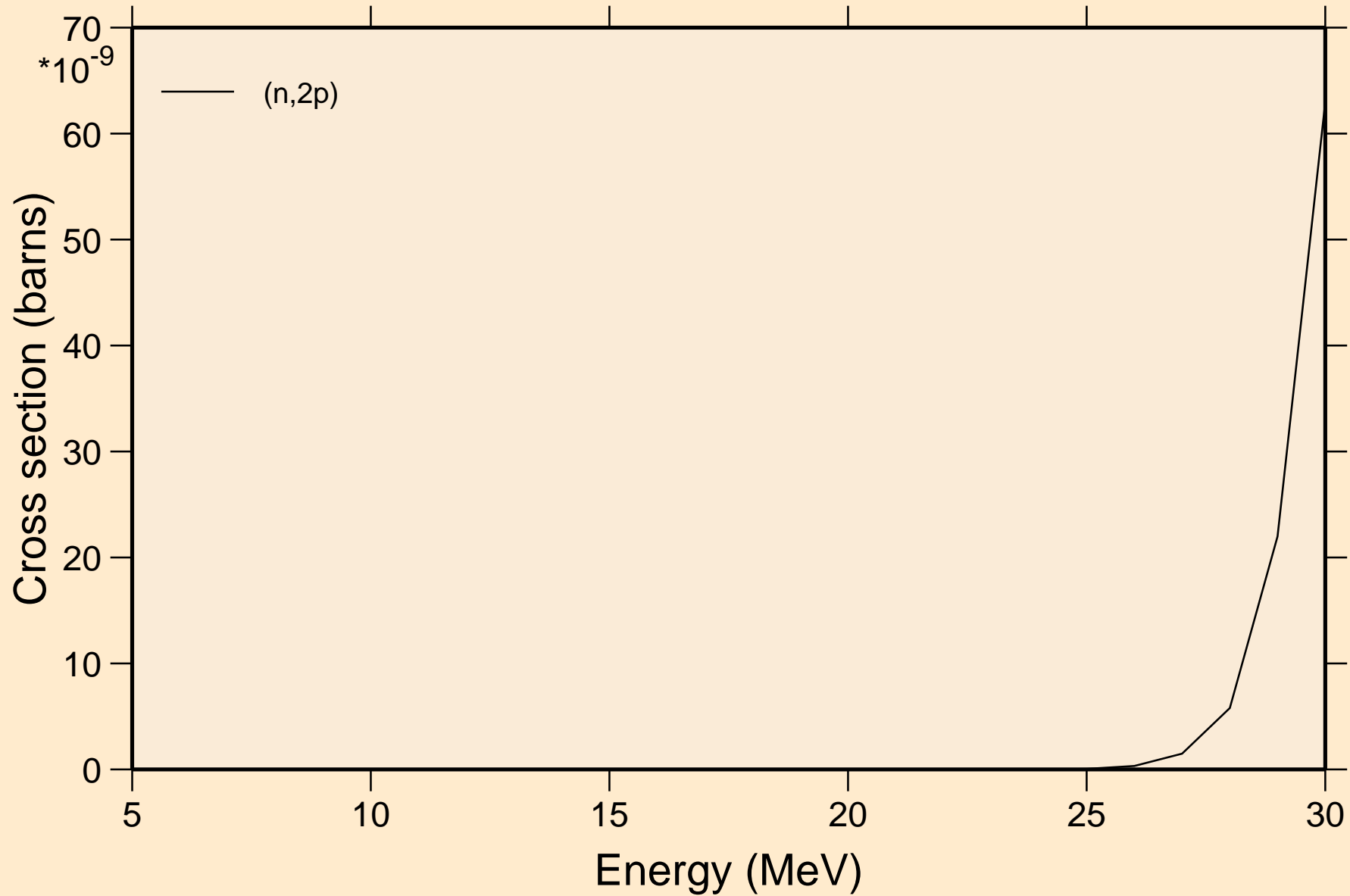
# U239 NRG TENDL-2015, AKONING

## Threshold reactions

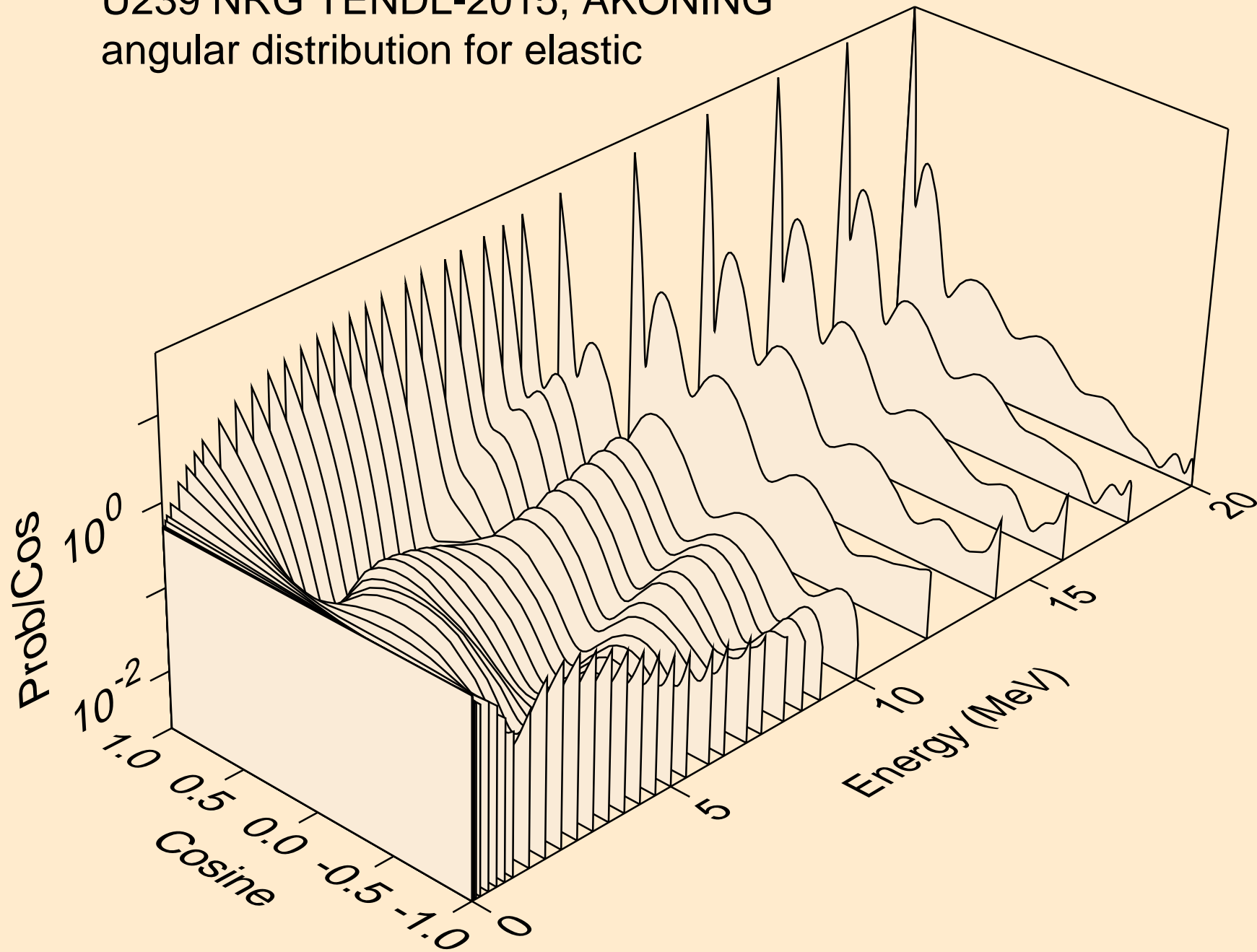


# U239 NRG TENDL-2015, AKONING

## Threshold reactions

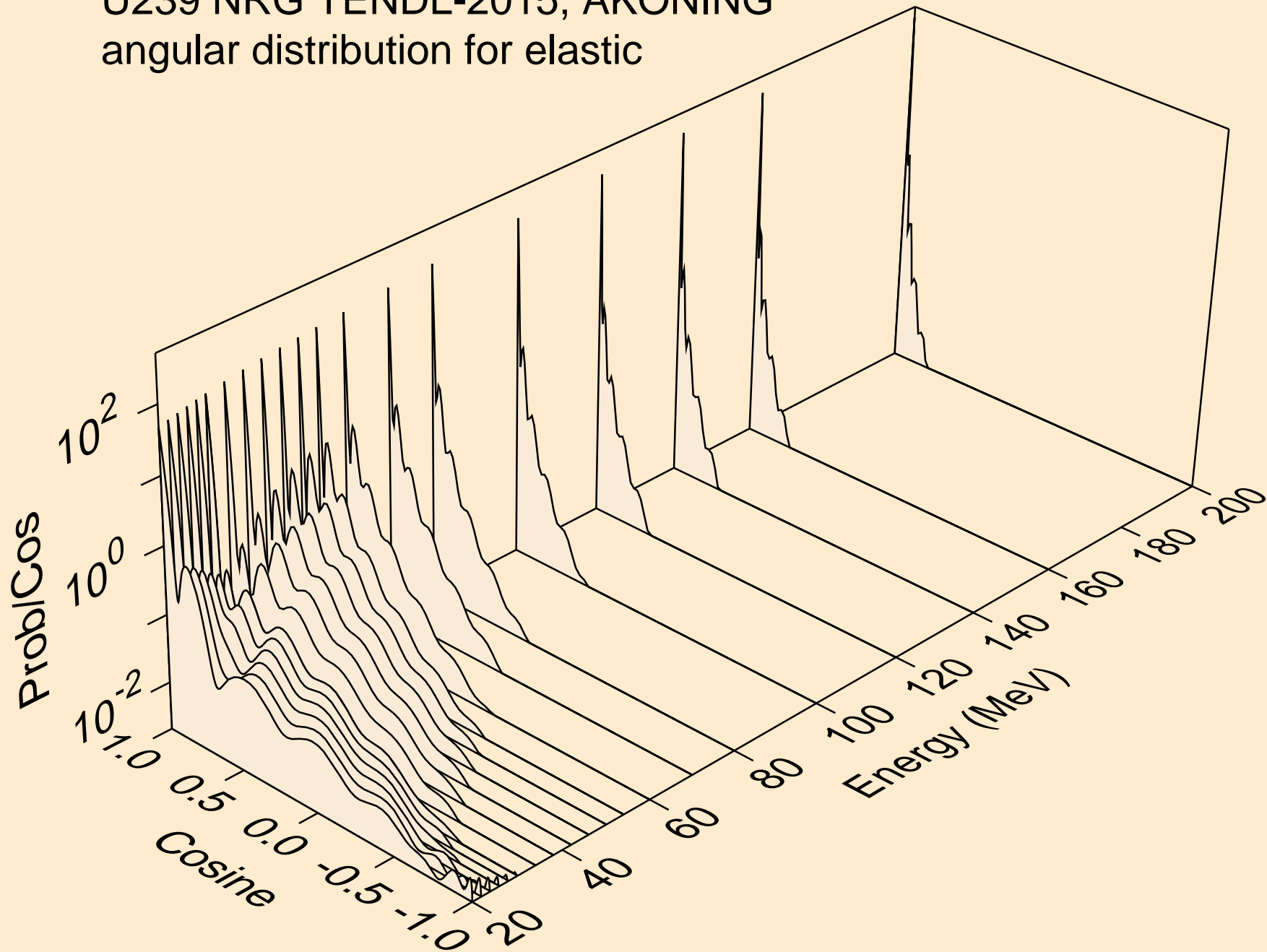


U239 NRG TENDL-2015, AKONING  
angular distribution for elastic

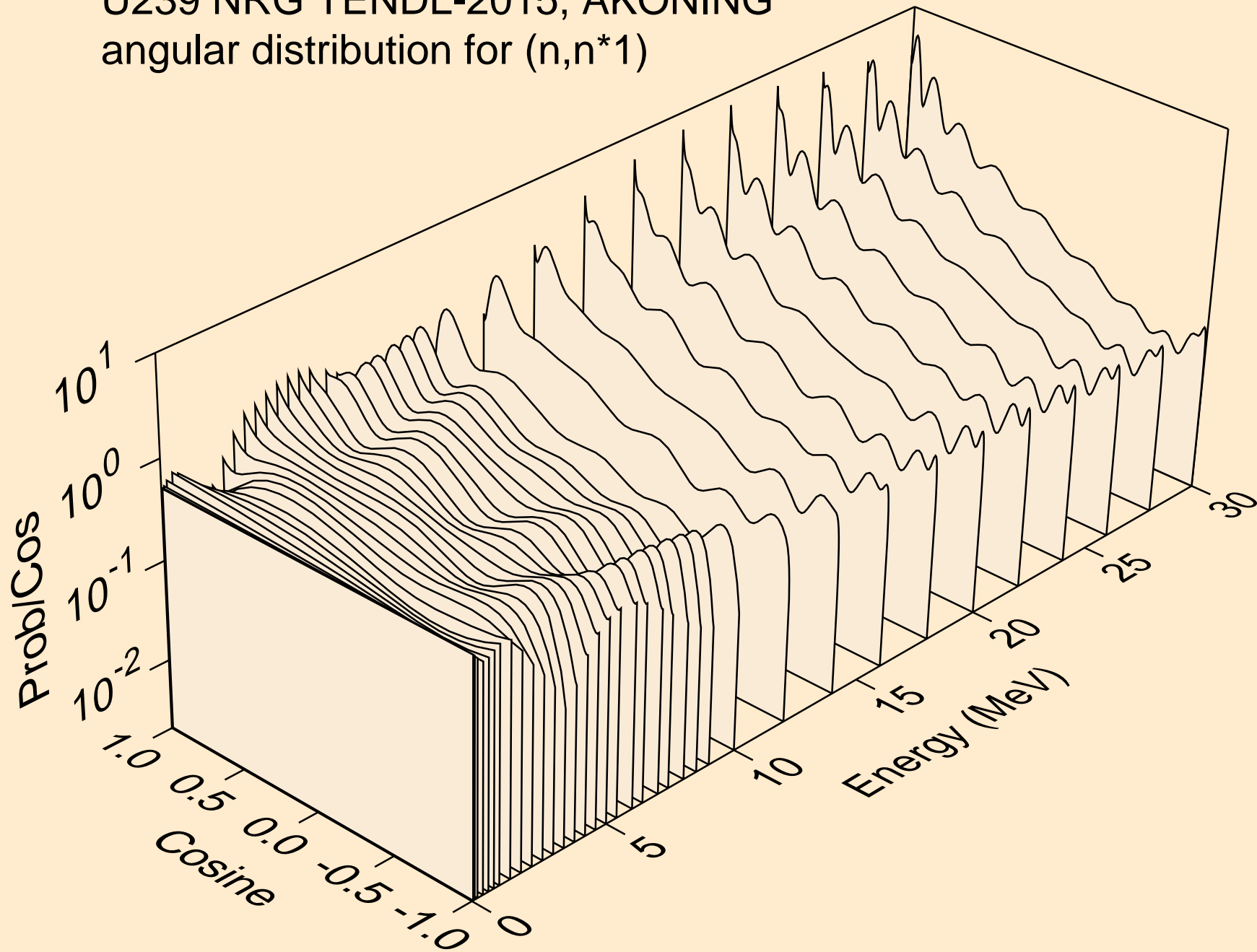




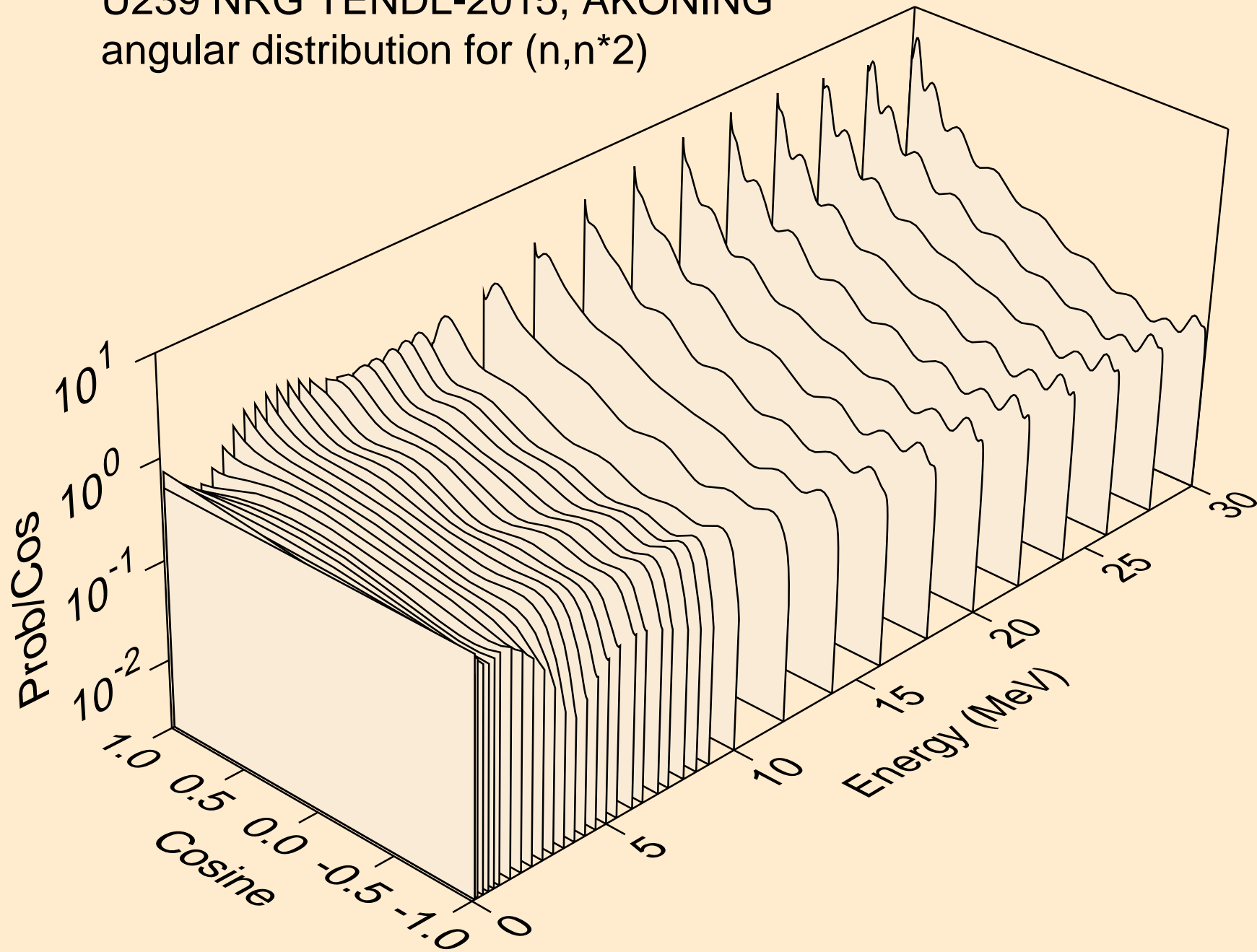
U239 NRG TENDL-2015, AKONING  
angular distribution for elastic



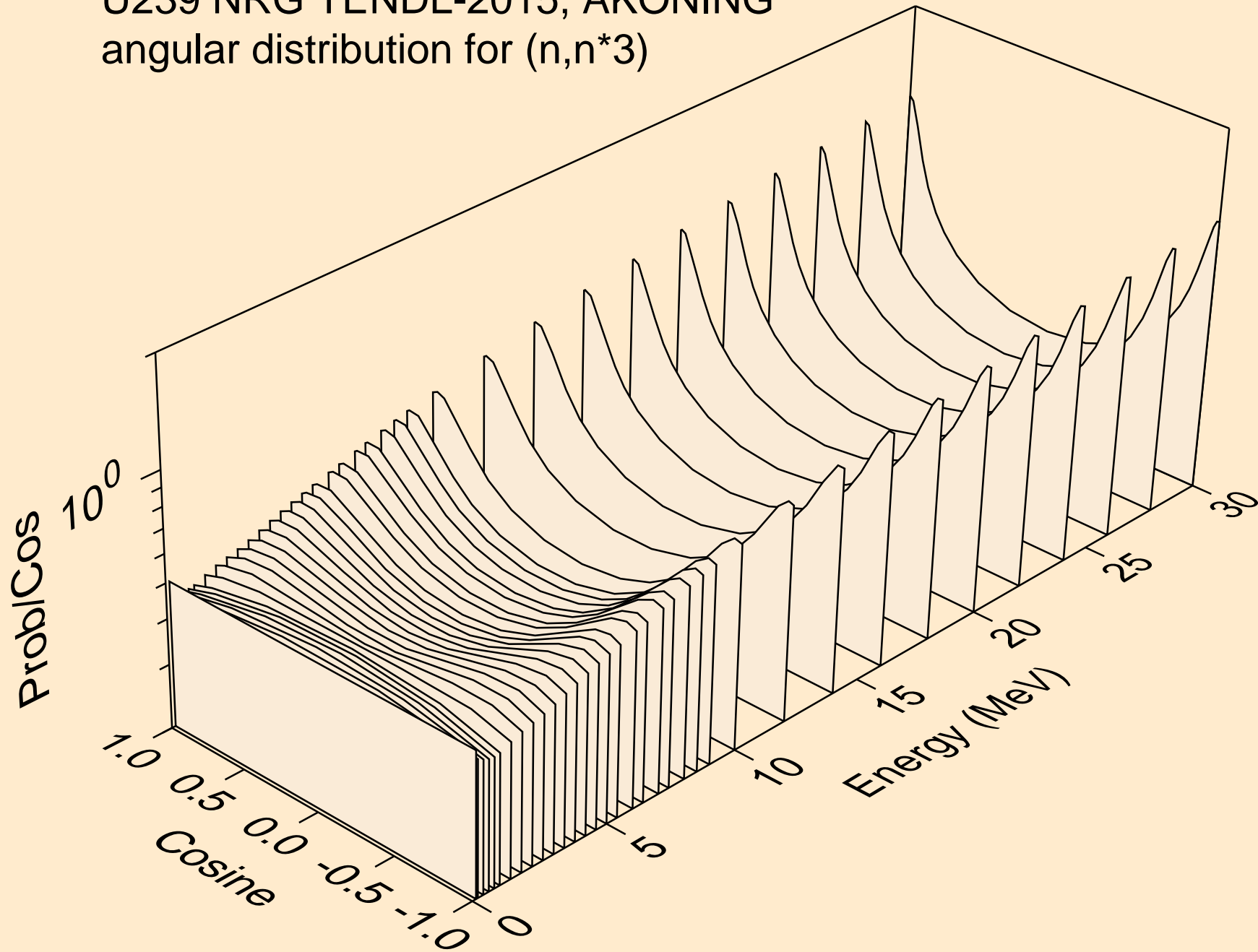
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



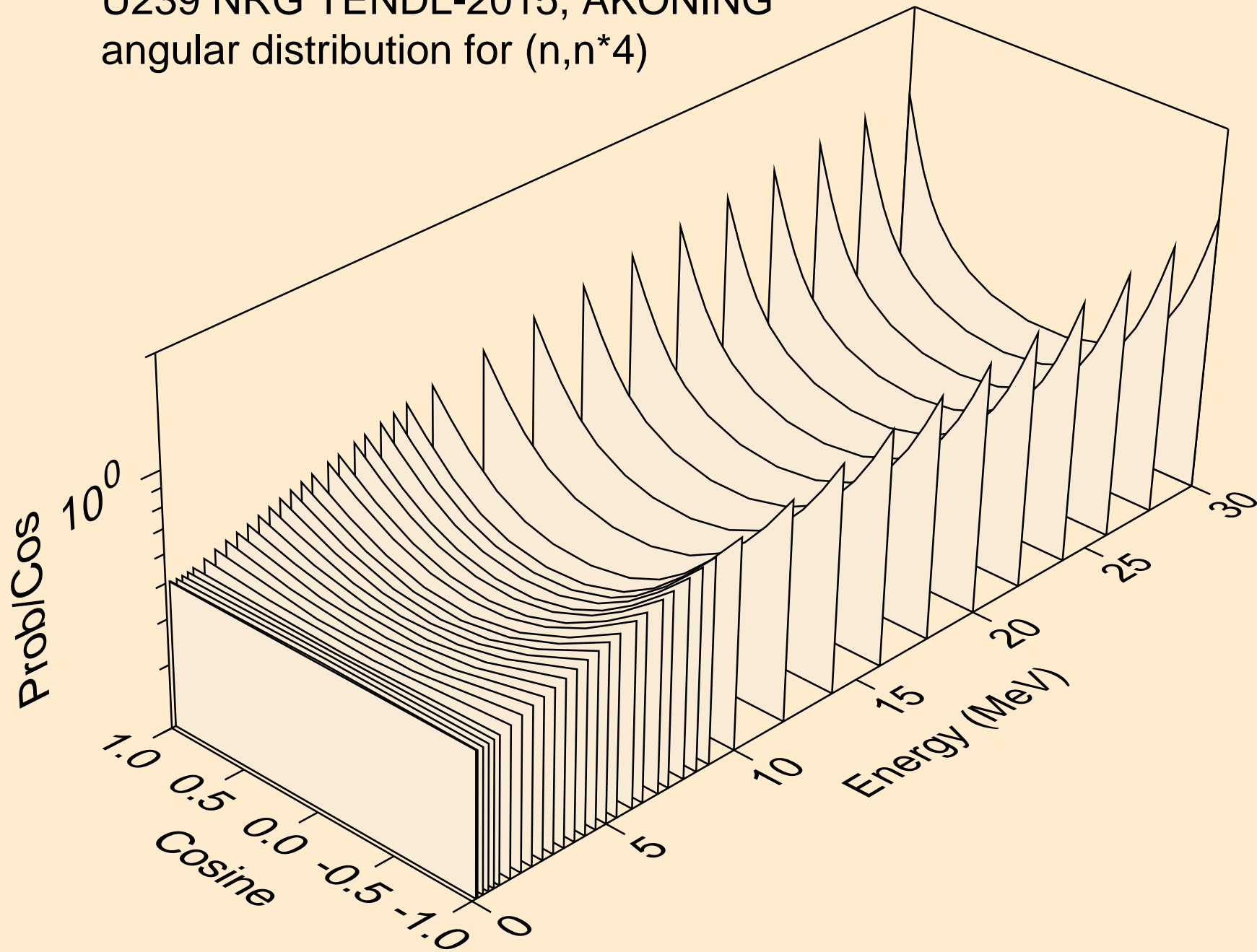
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



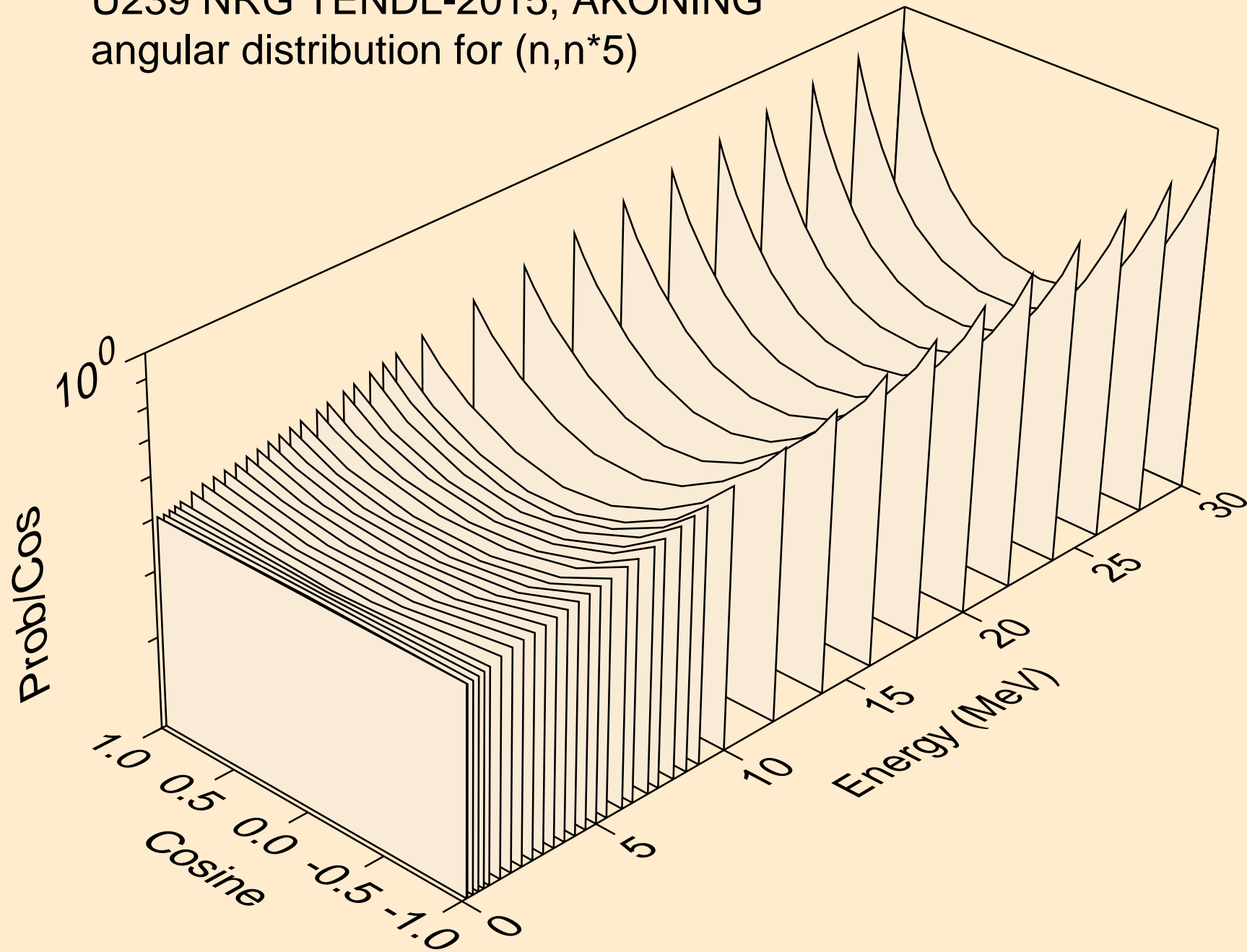
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



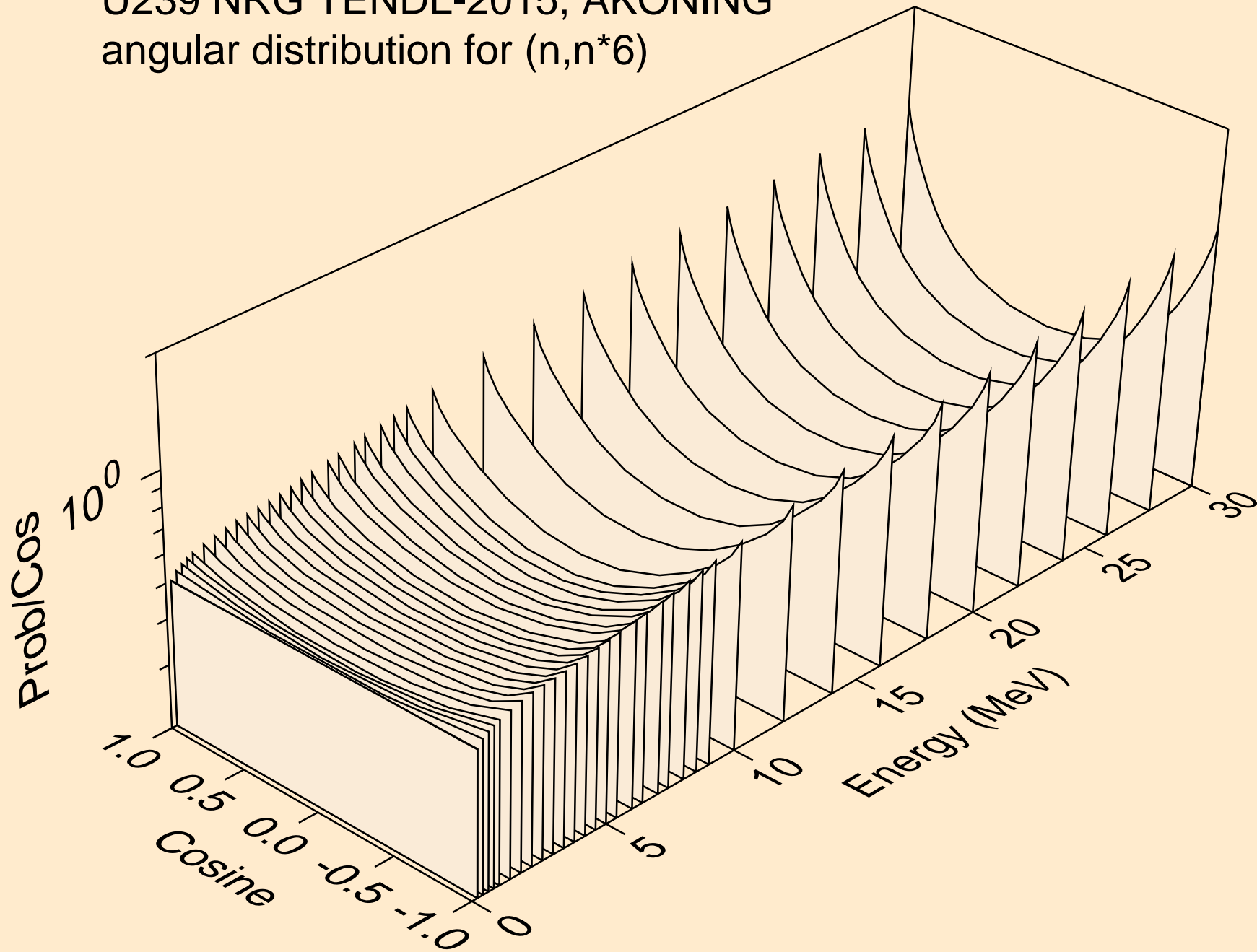
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



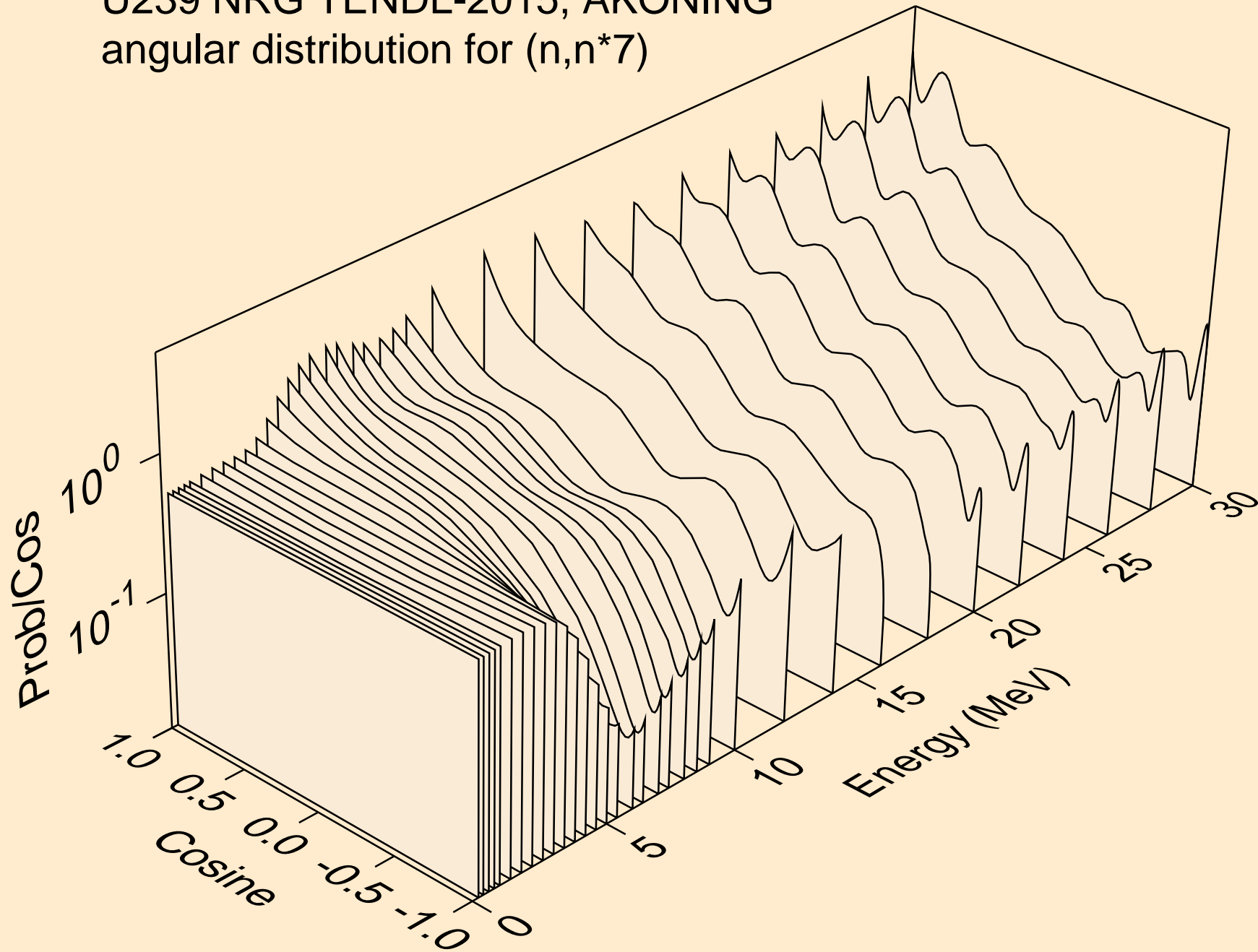
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

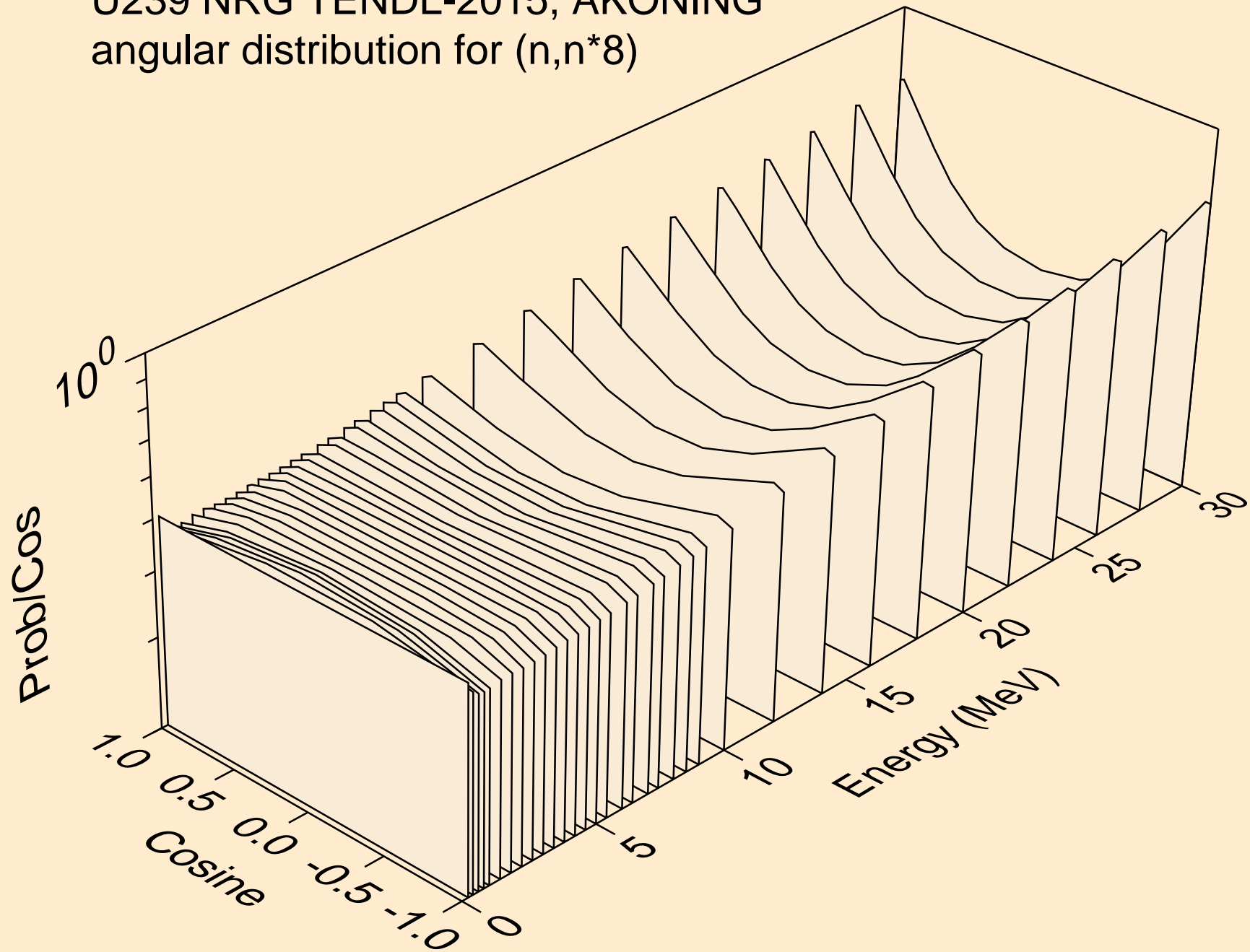


U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

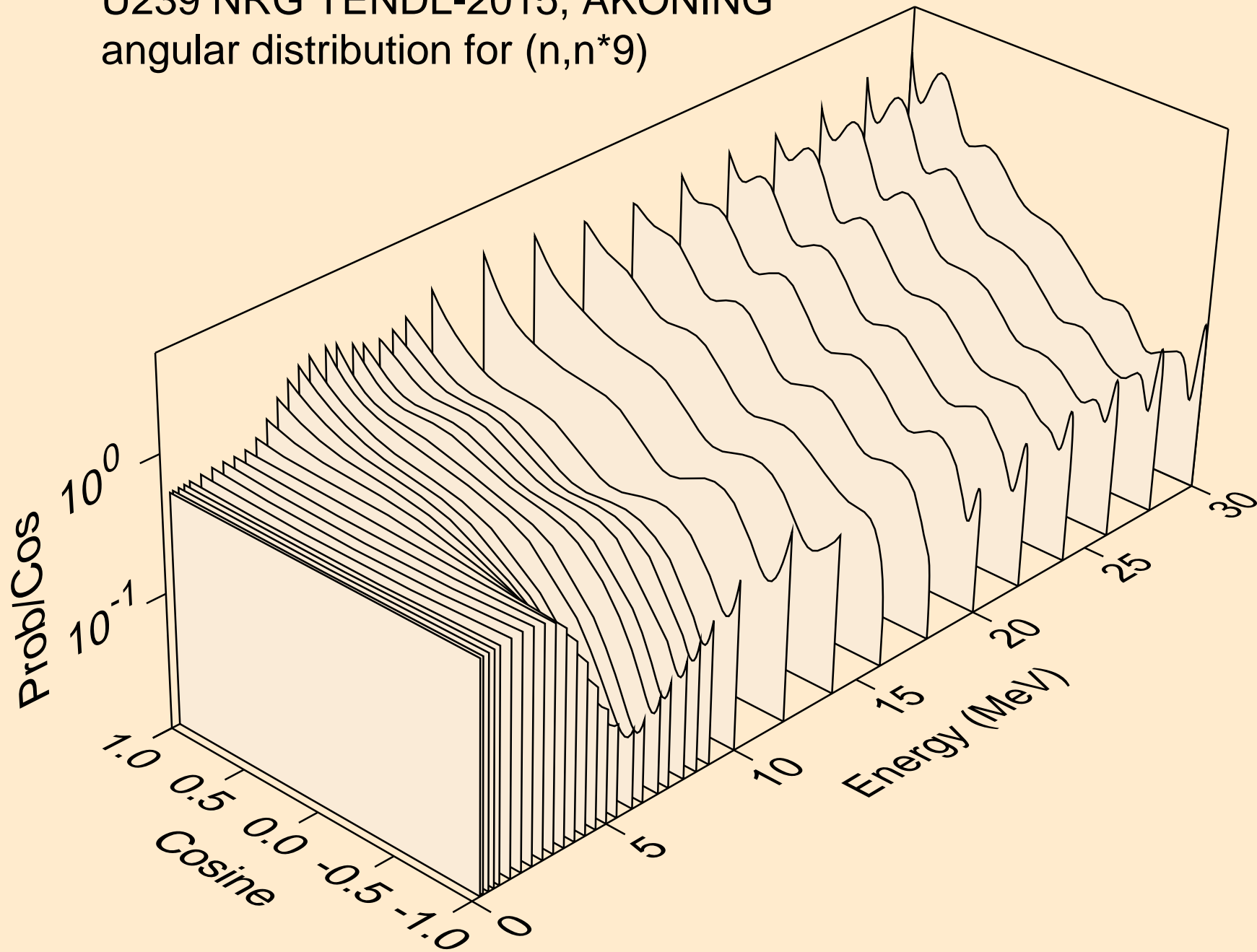




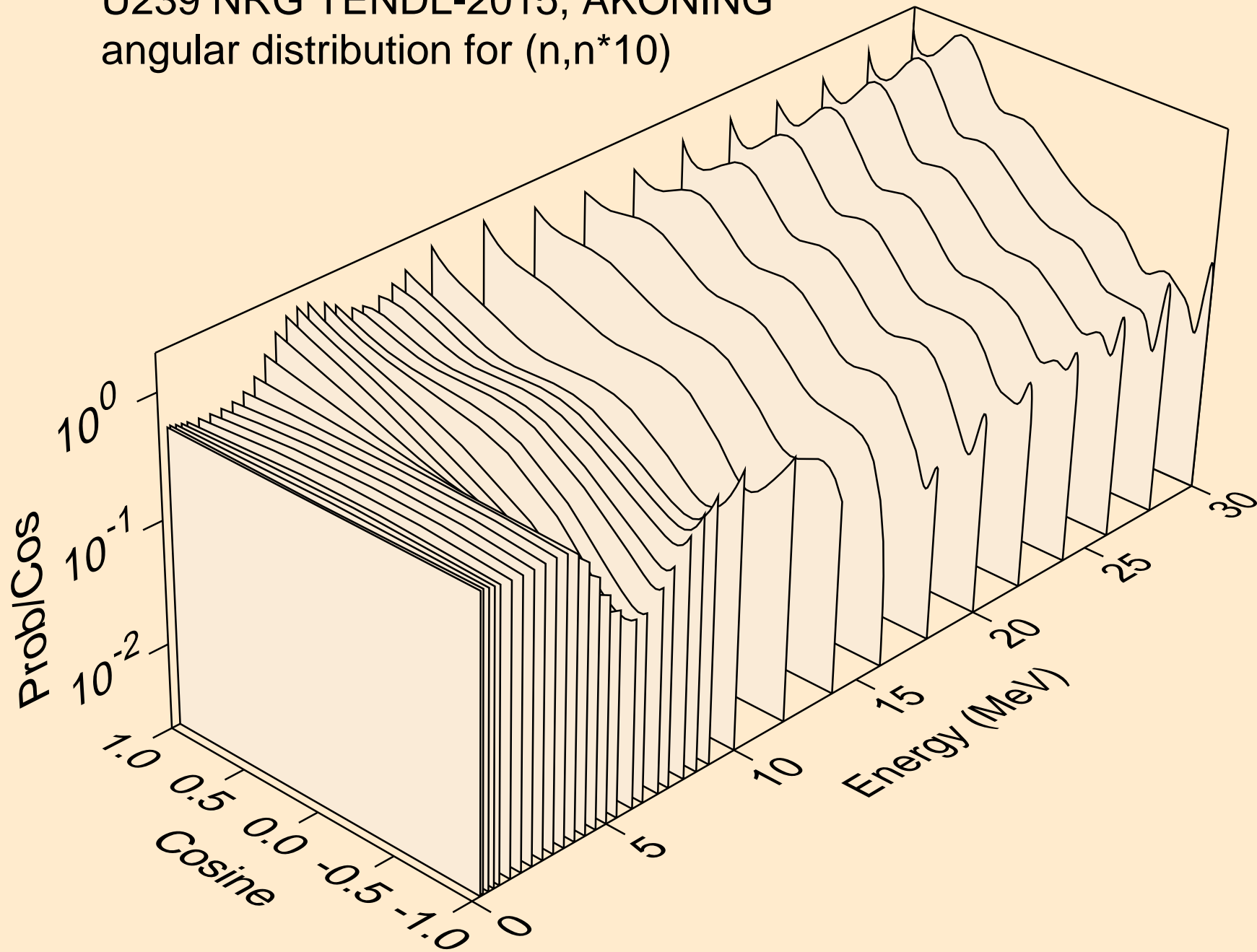
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



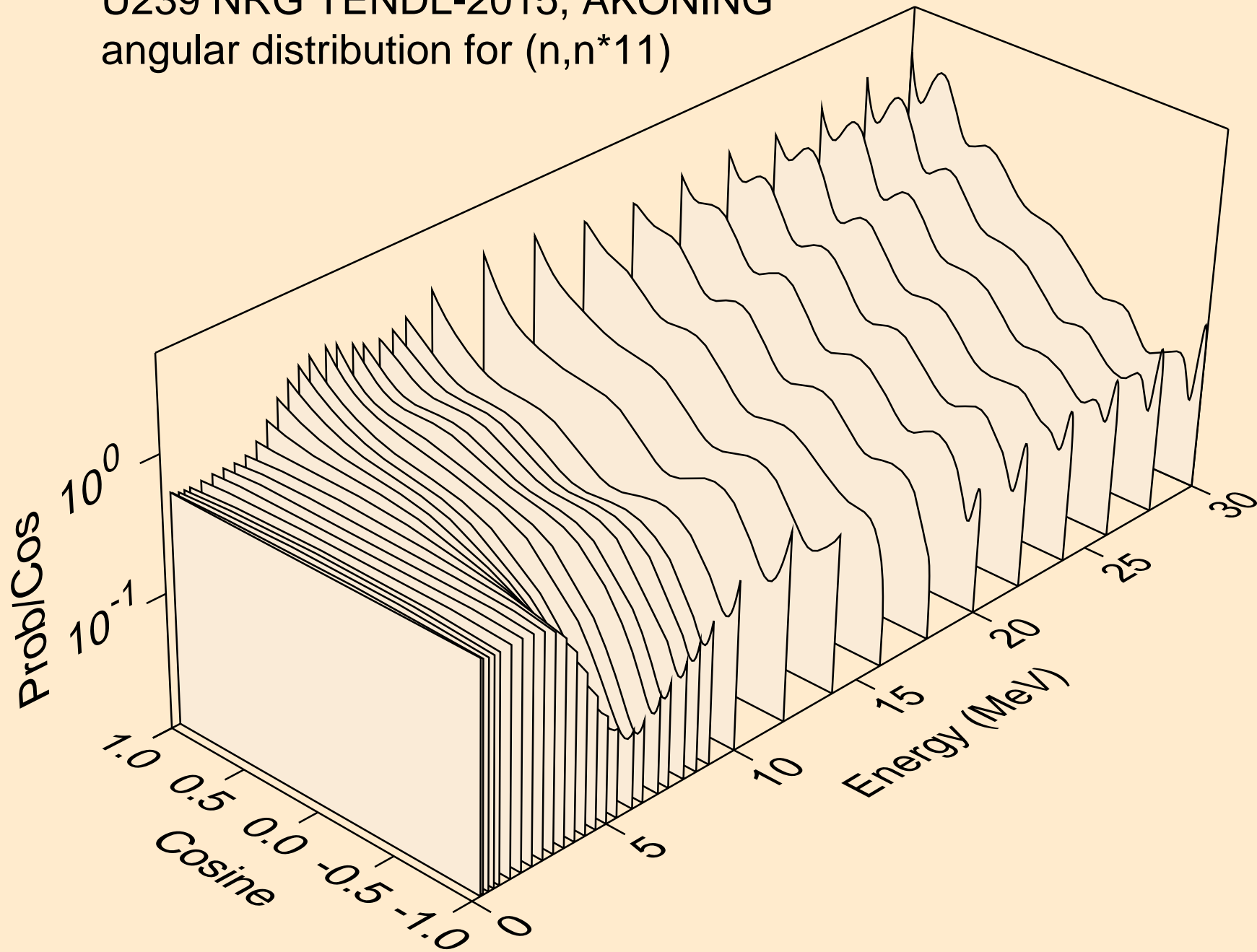
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



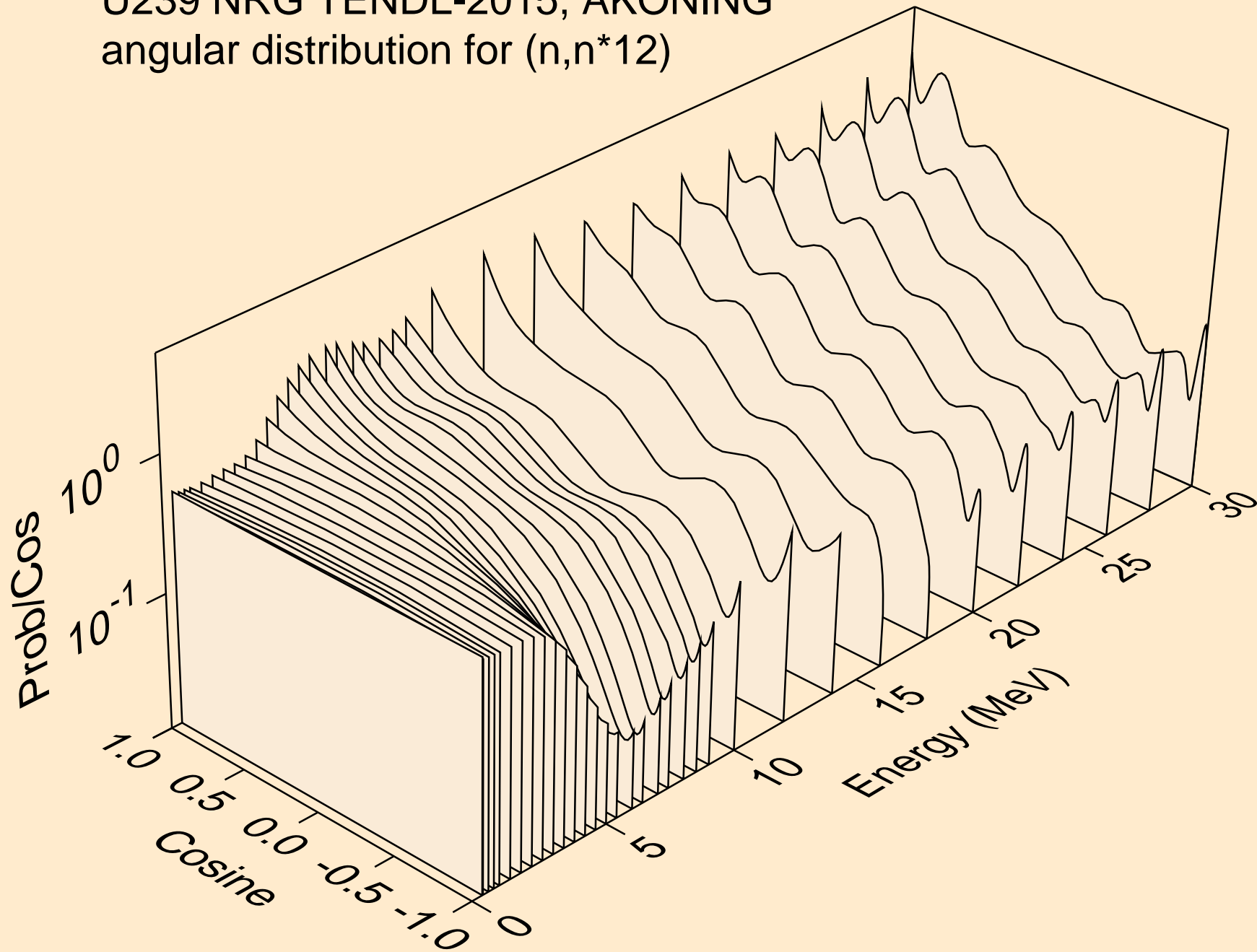
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



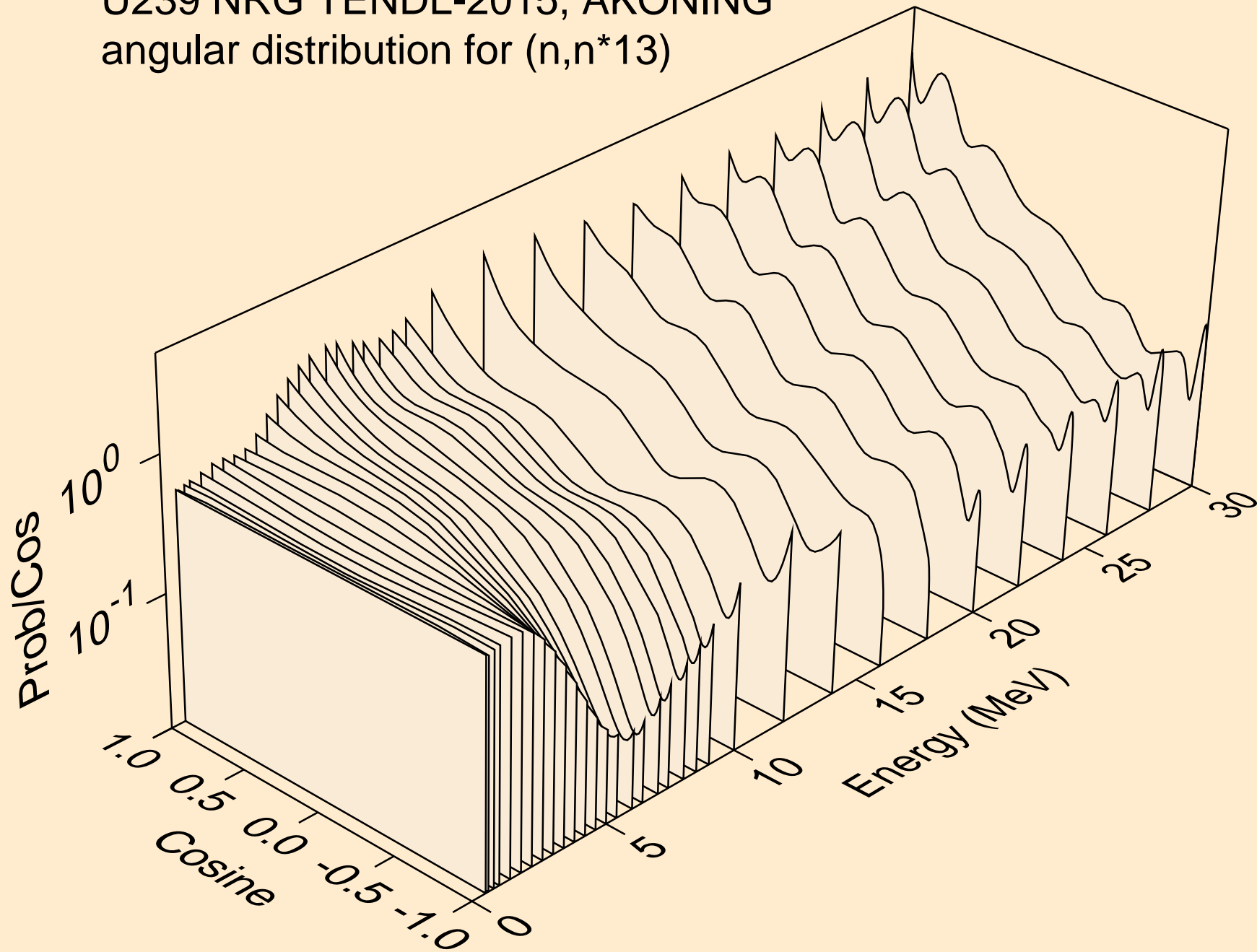
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



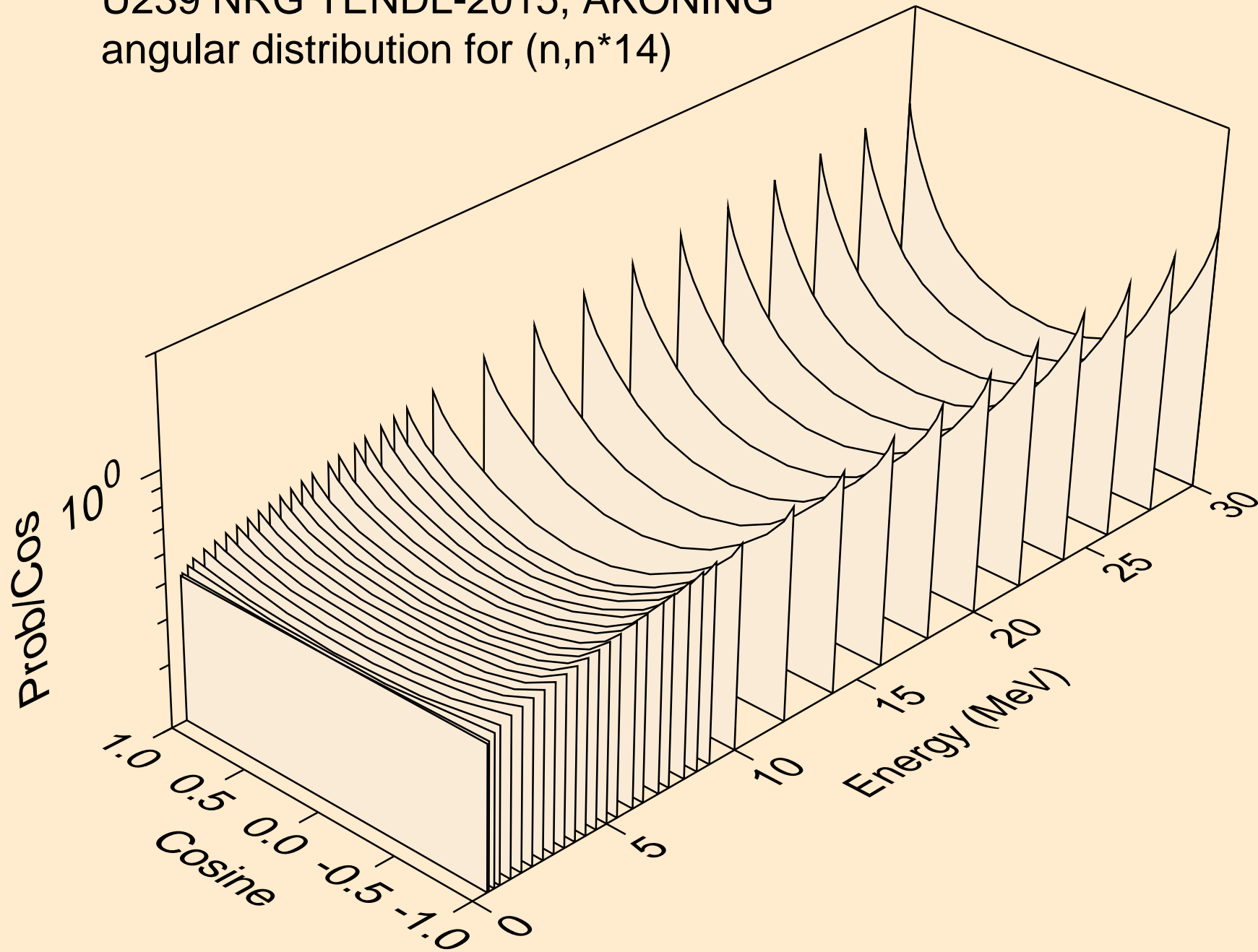
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



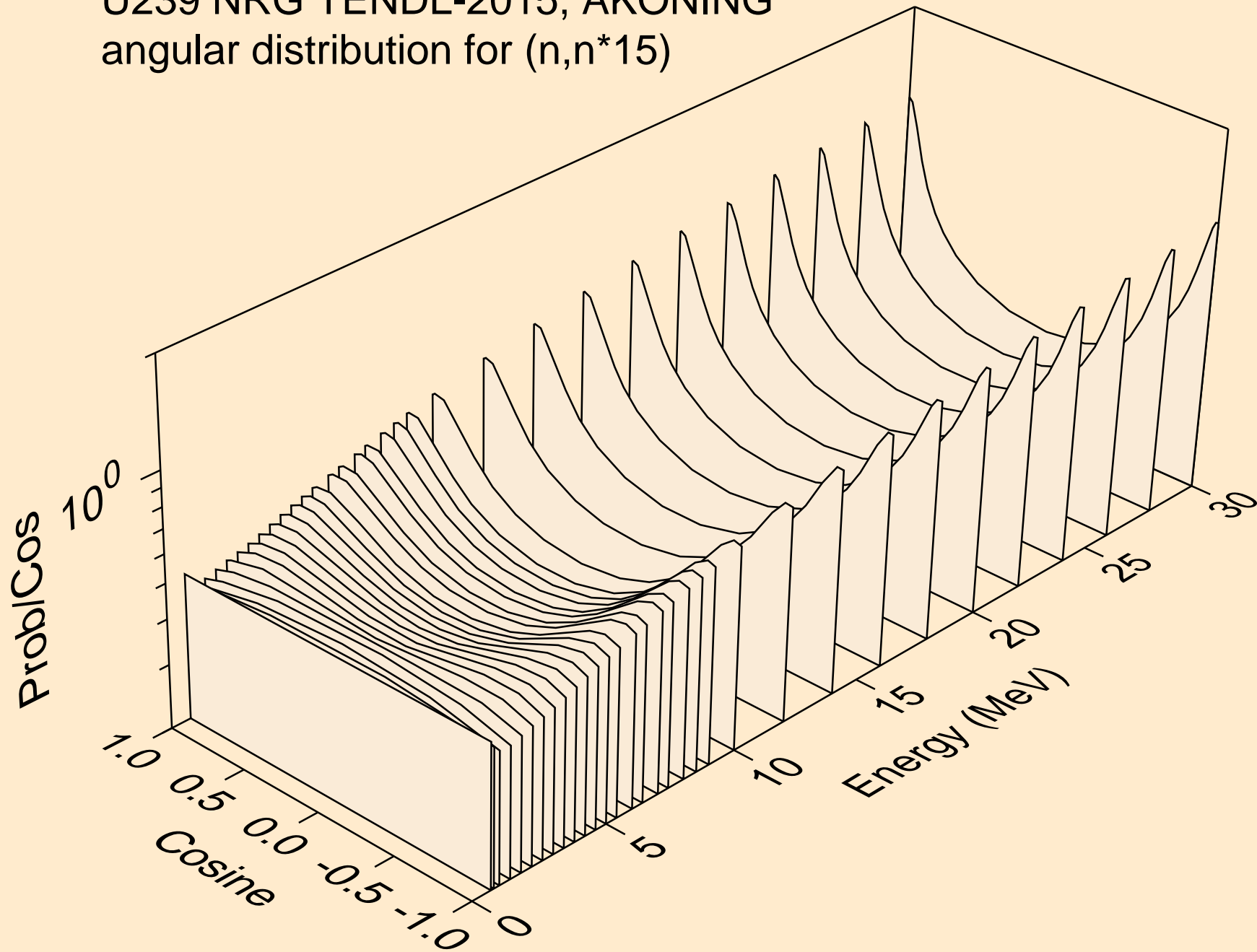
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

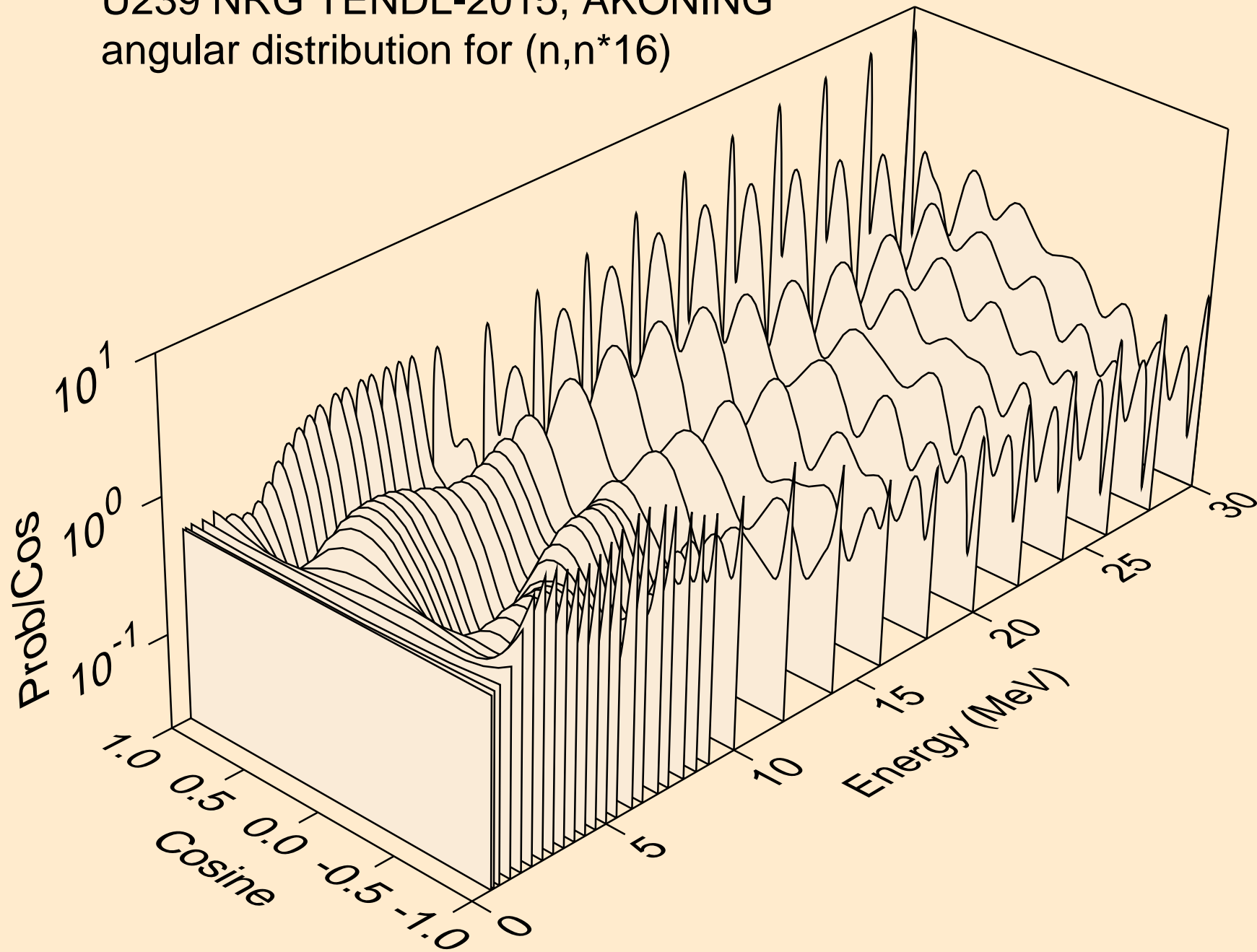


U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

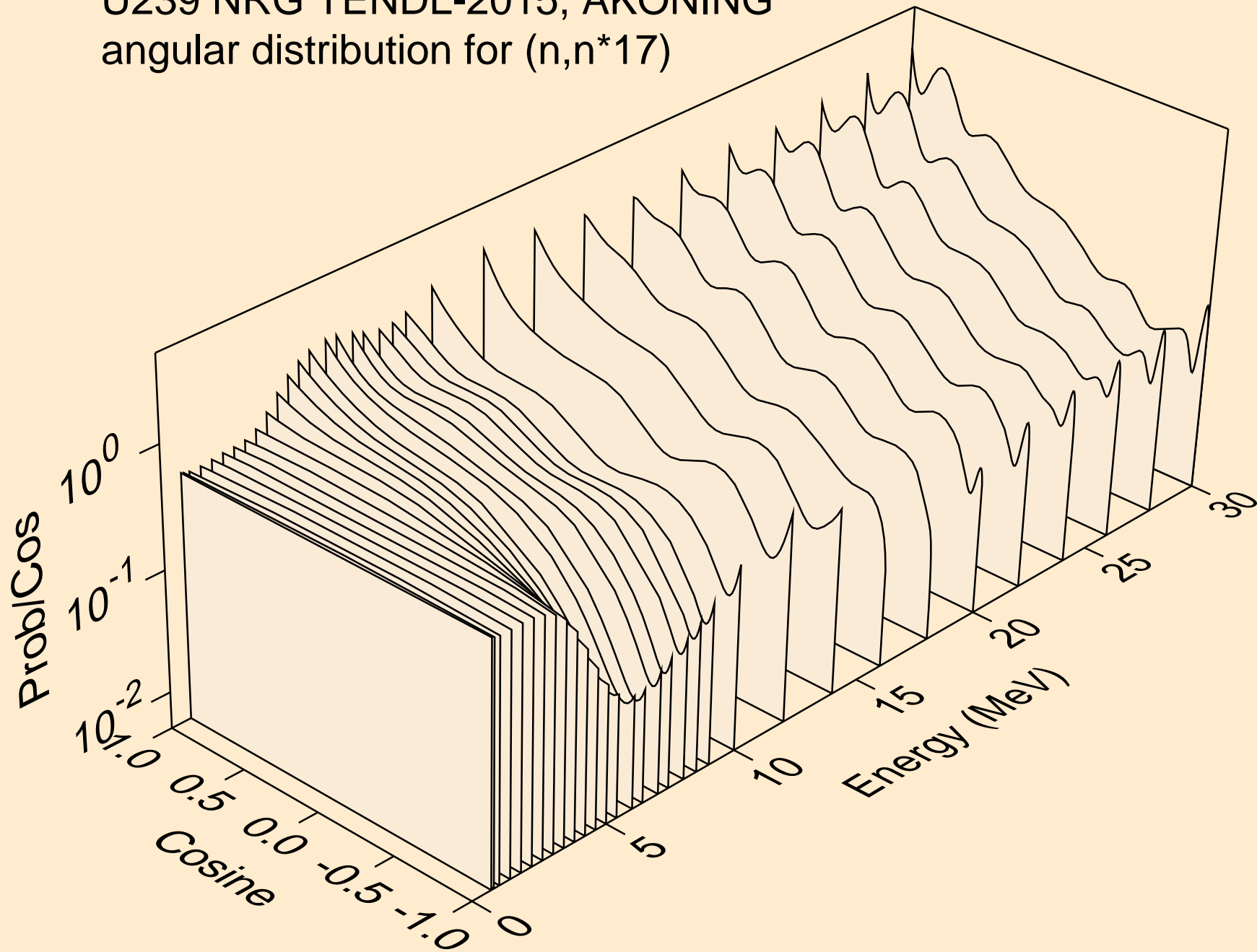




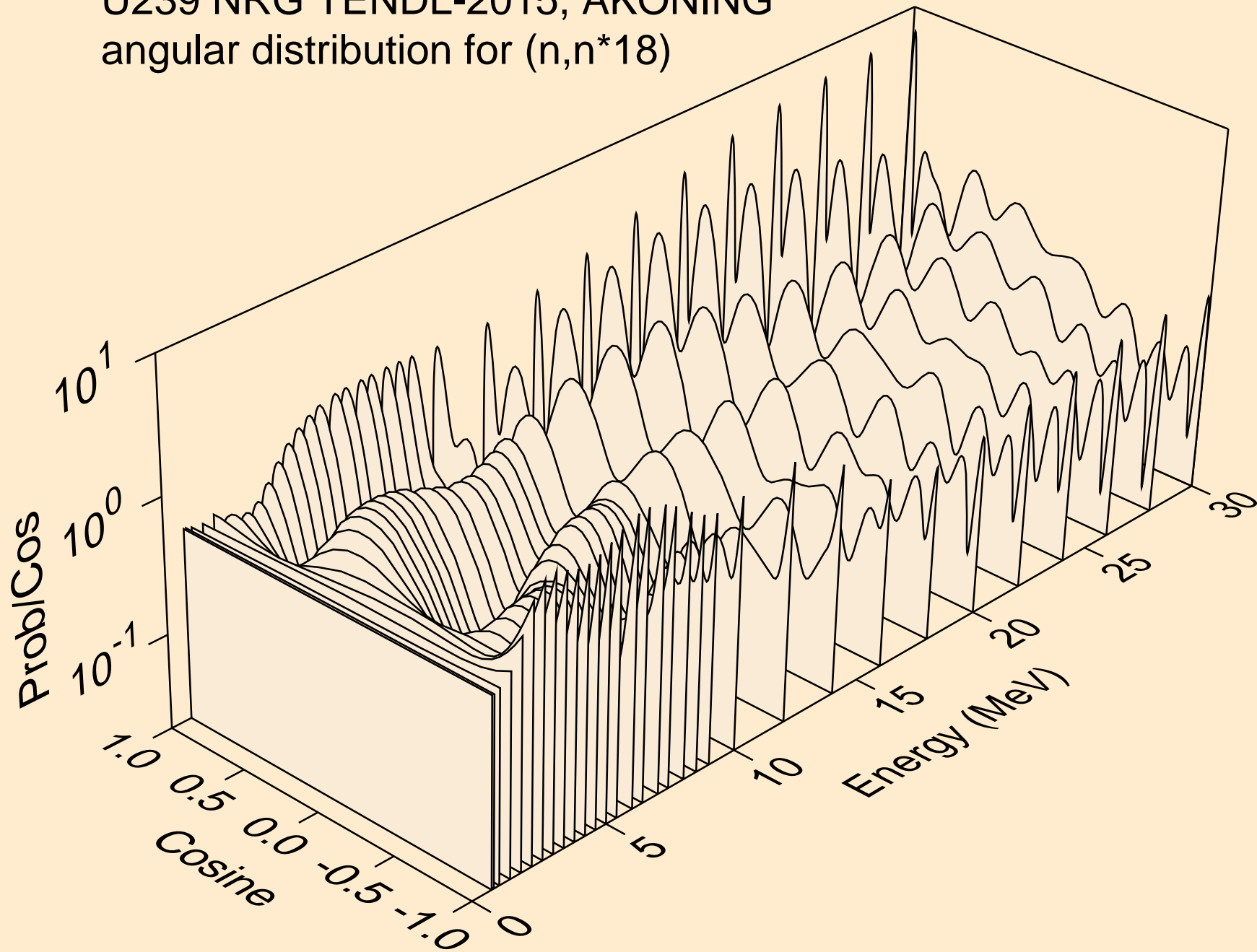
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



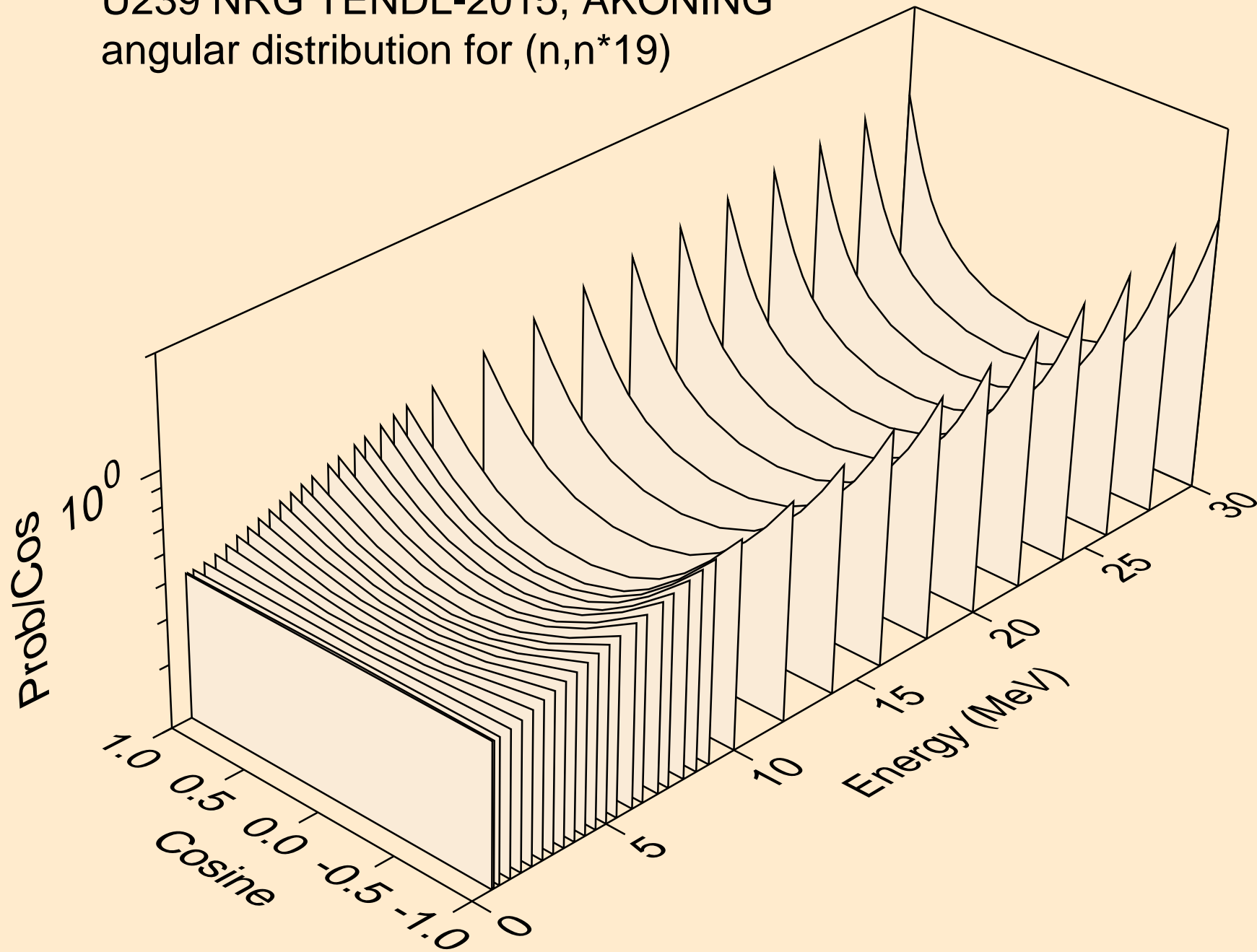
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



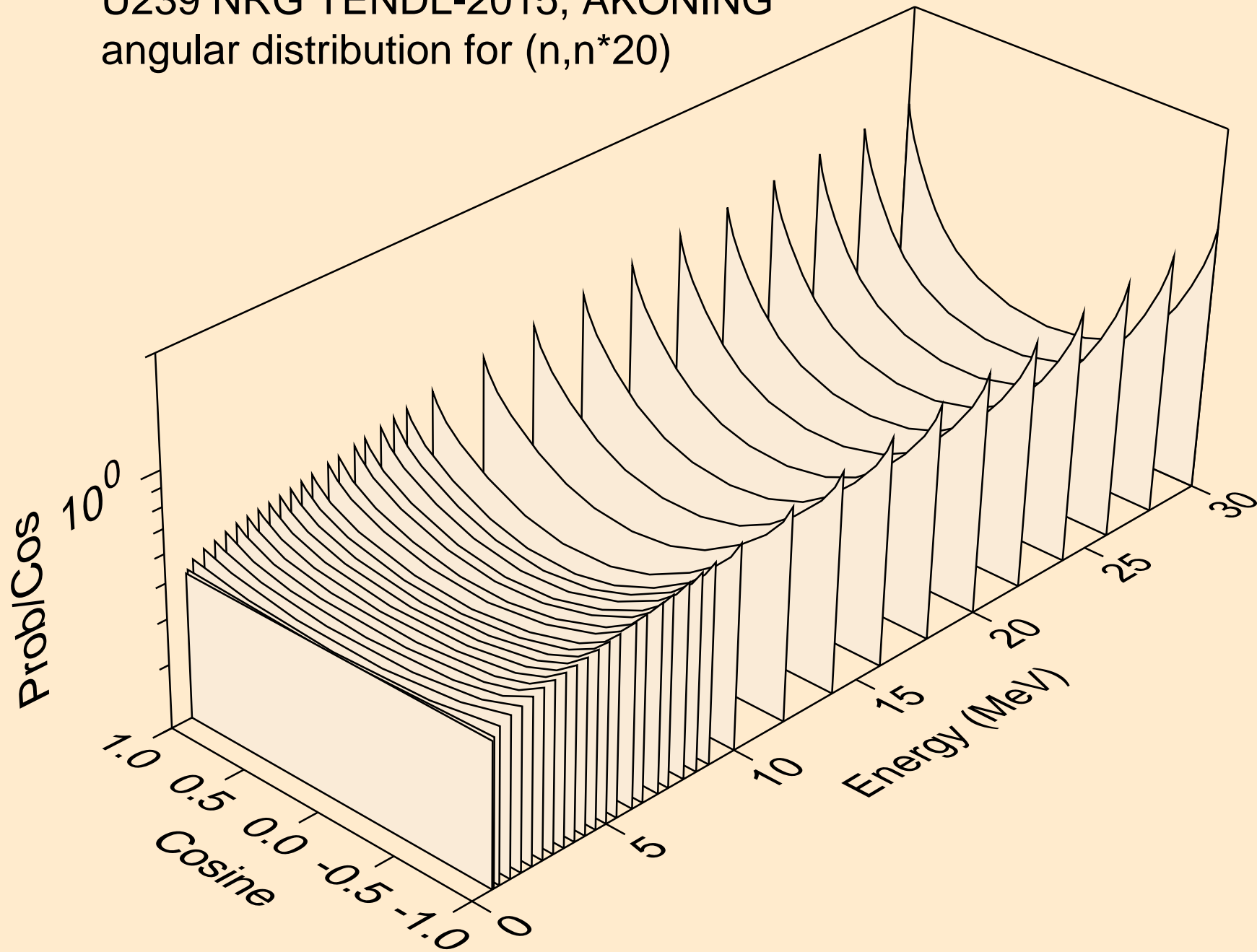
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



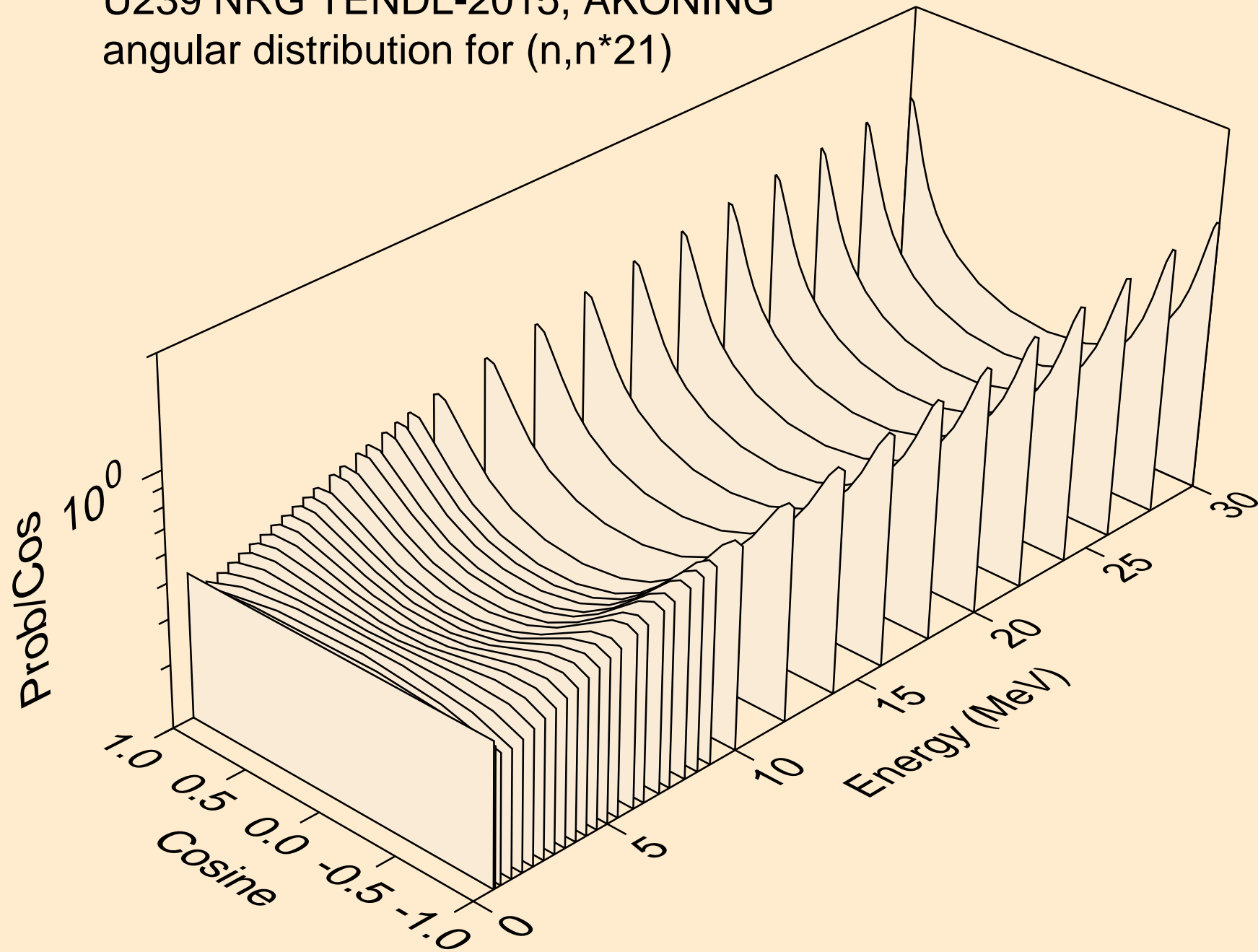
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



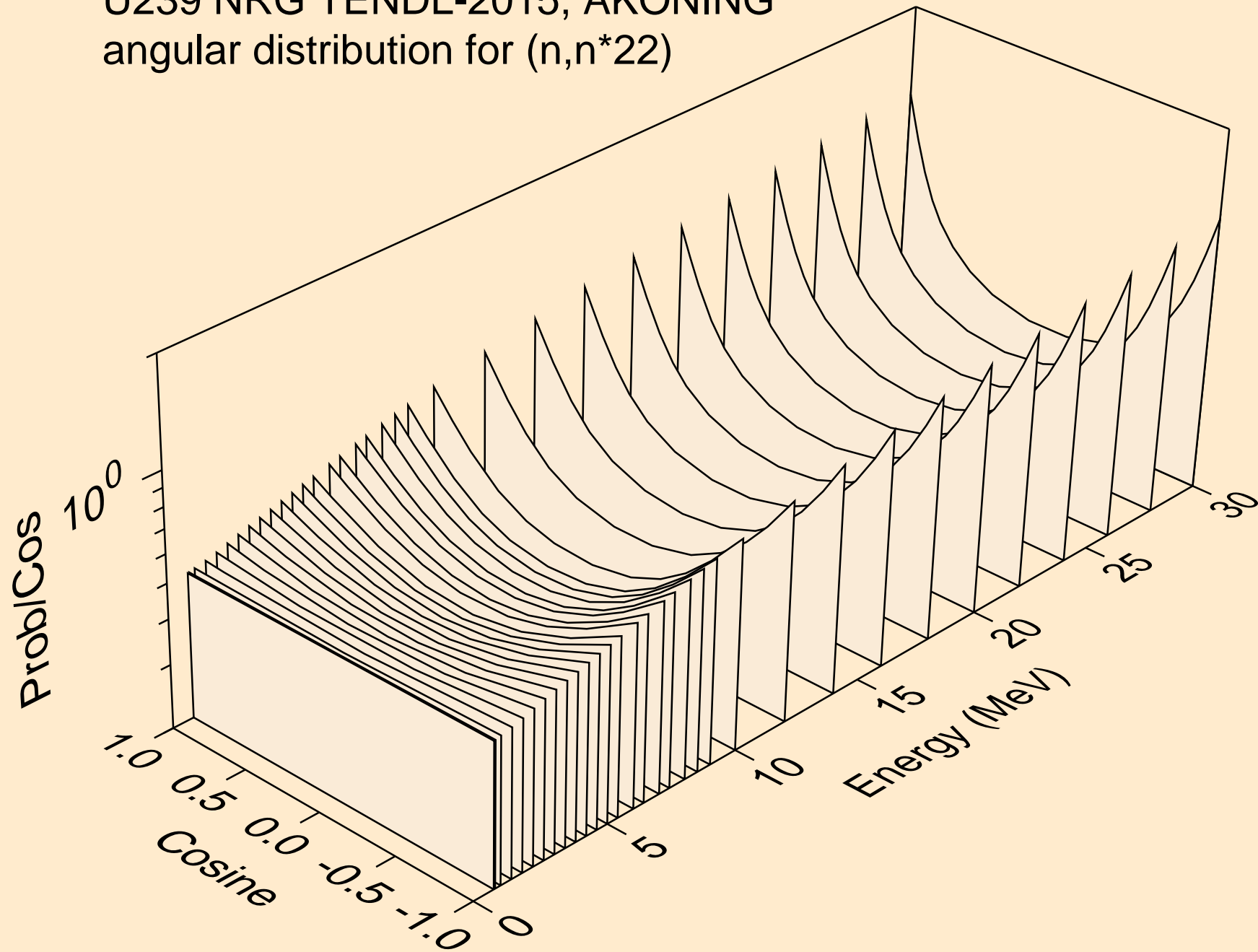
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



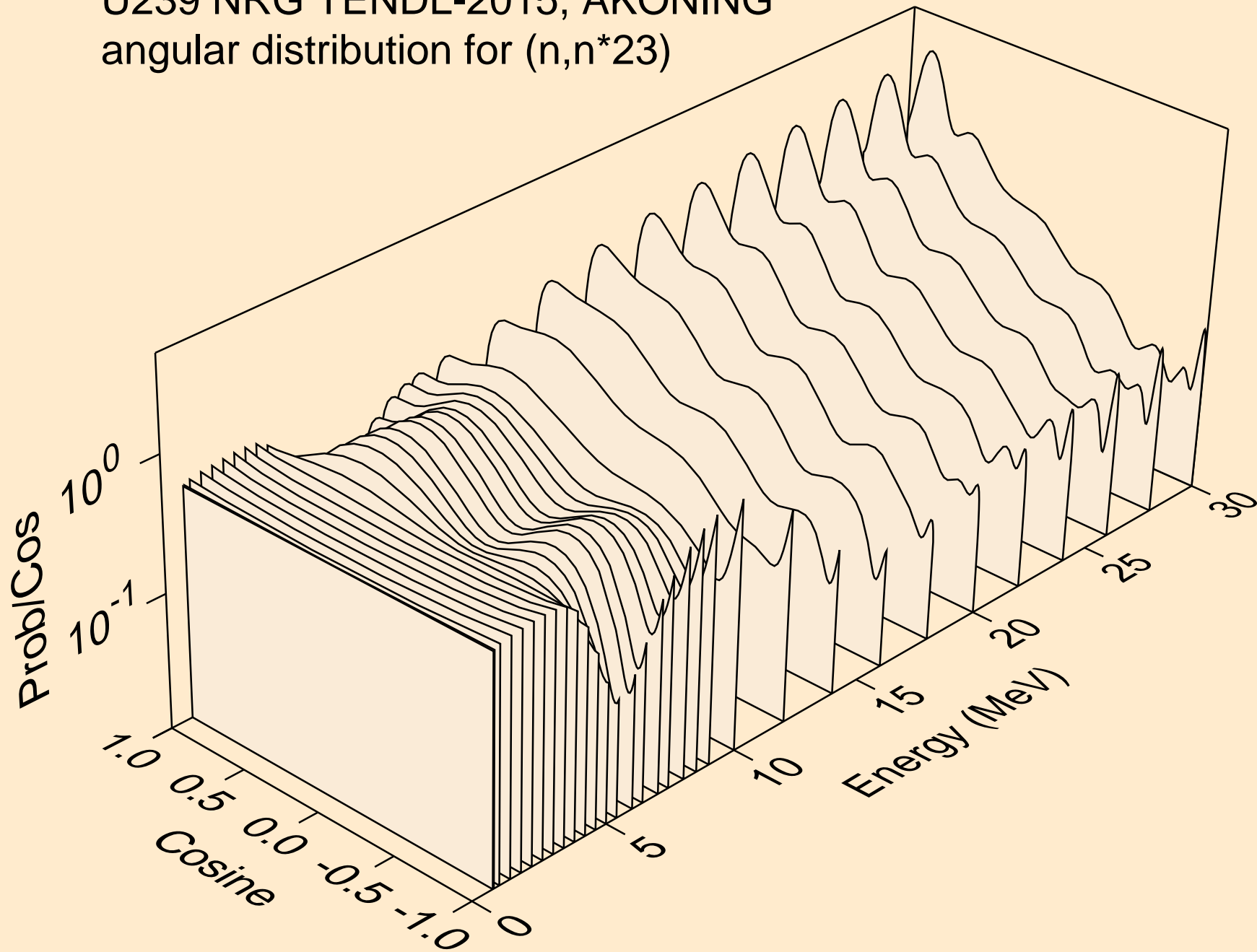
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

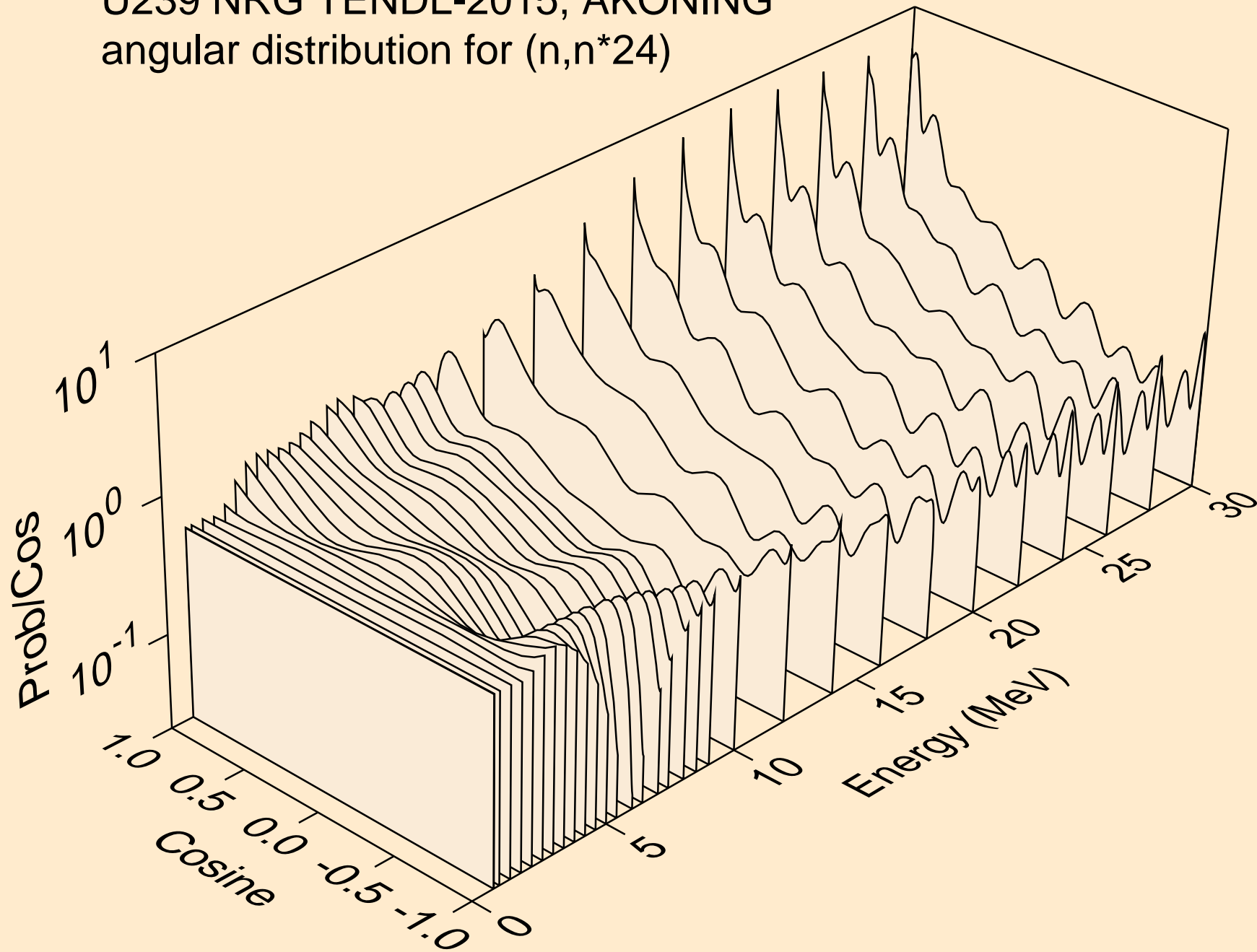


U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)

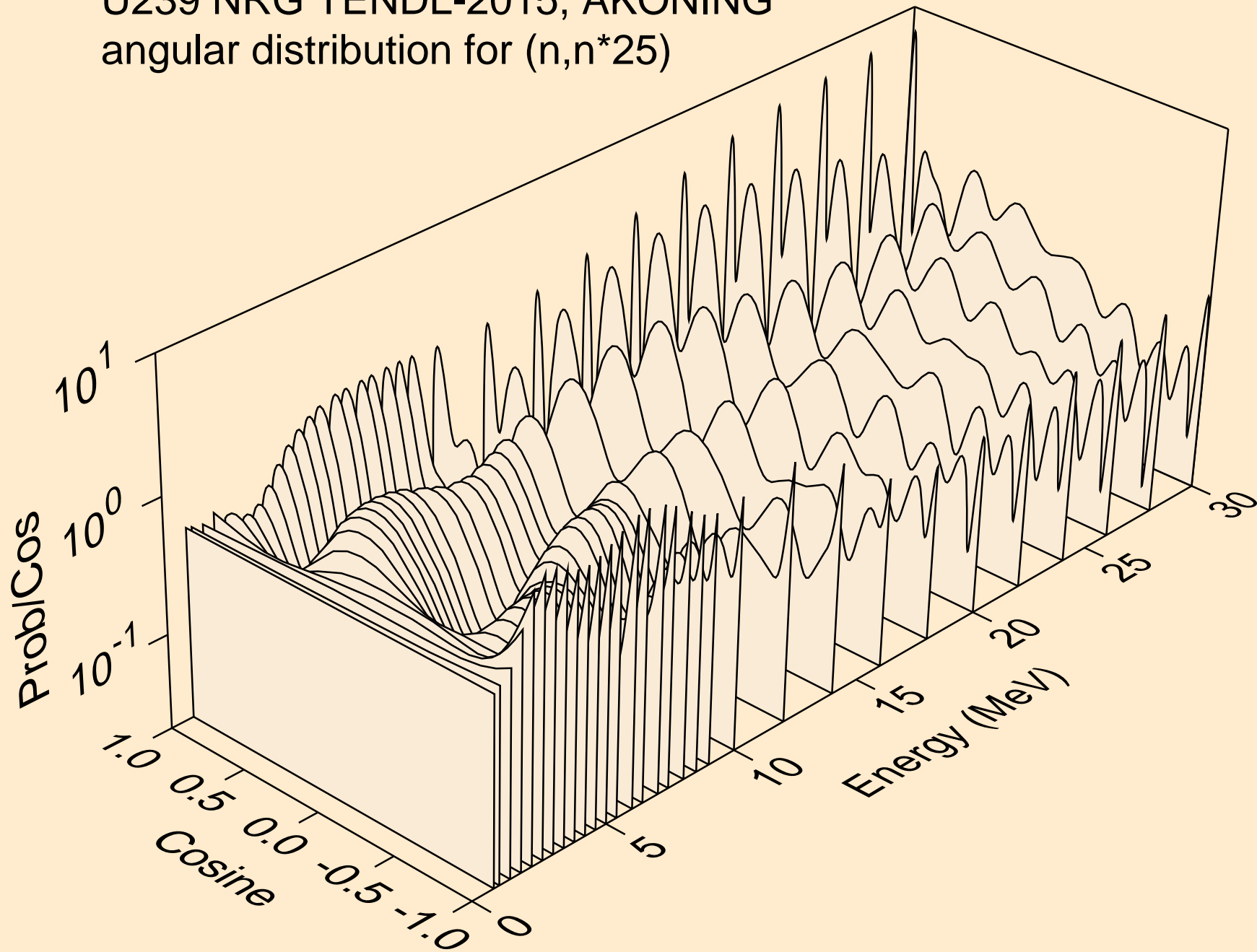




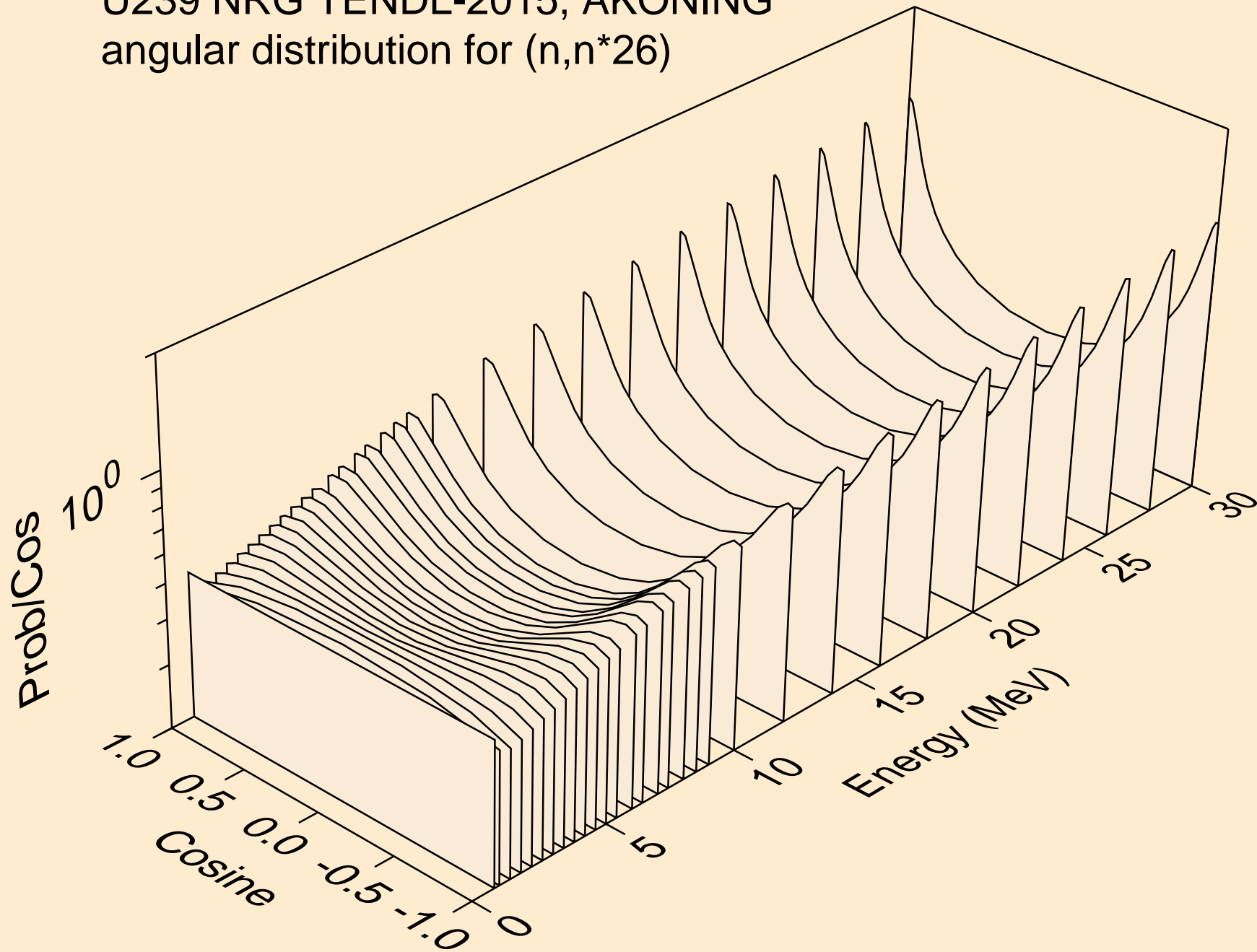
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



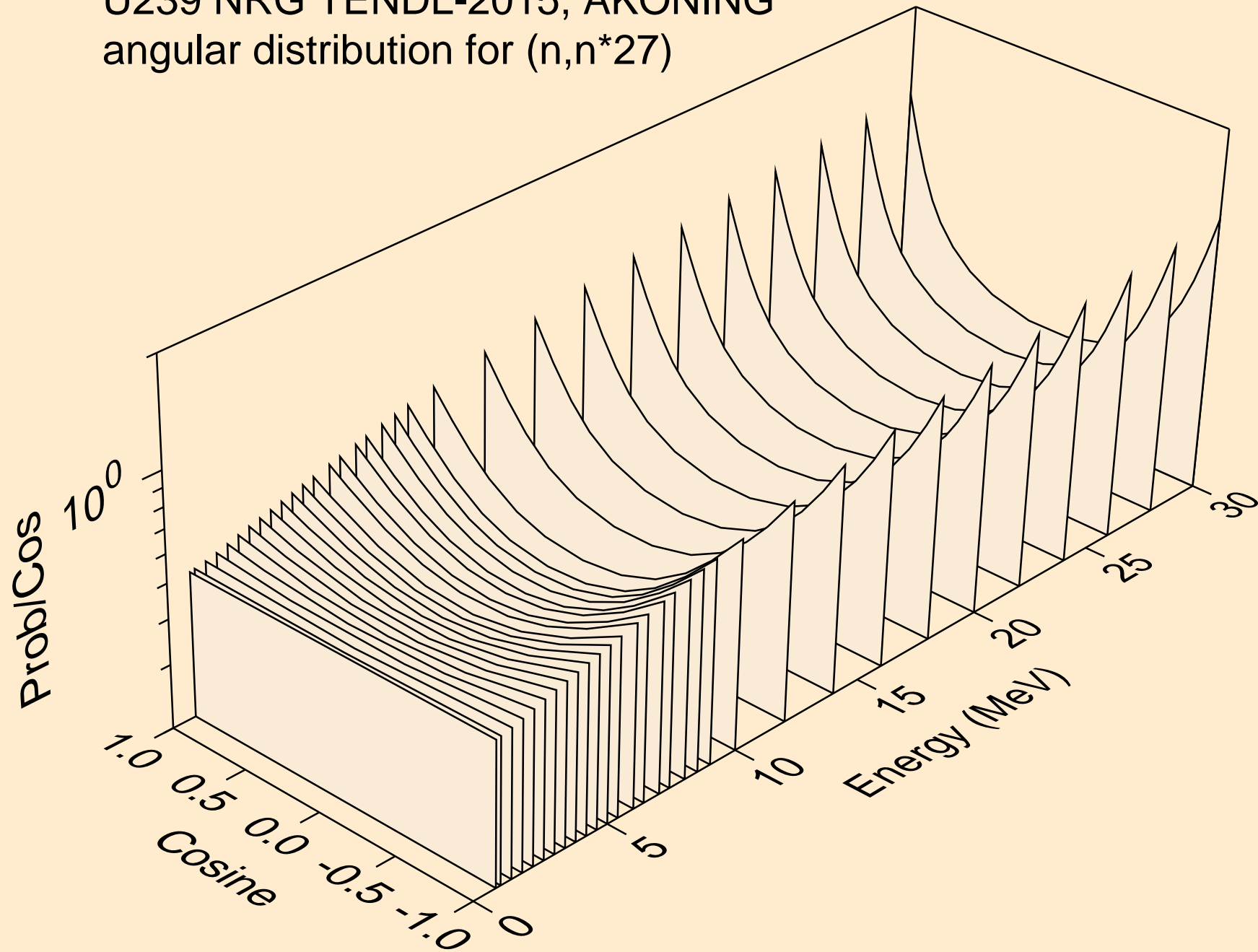
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



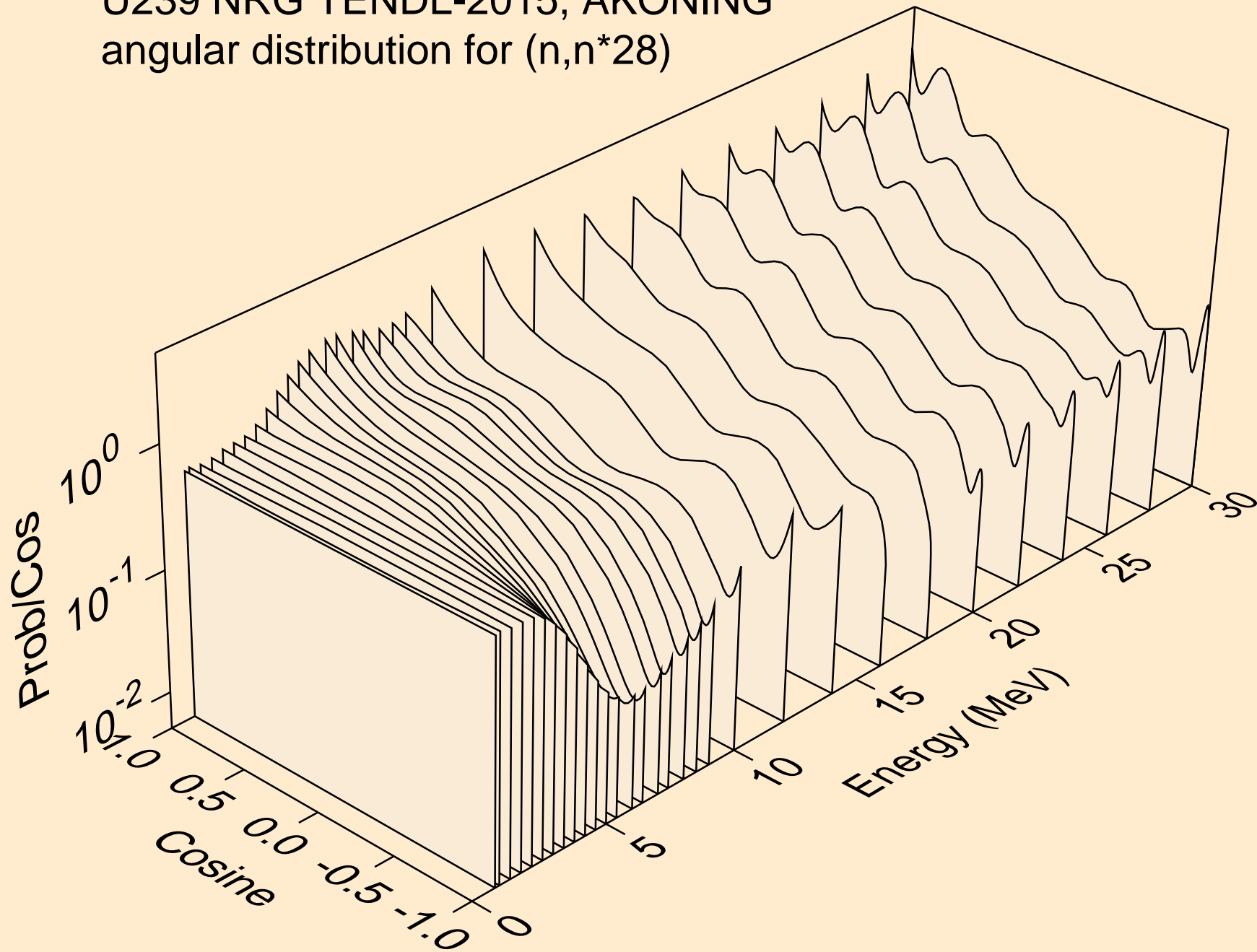
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



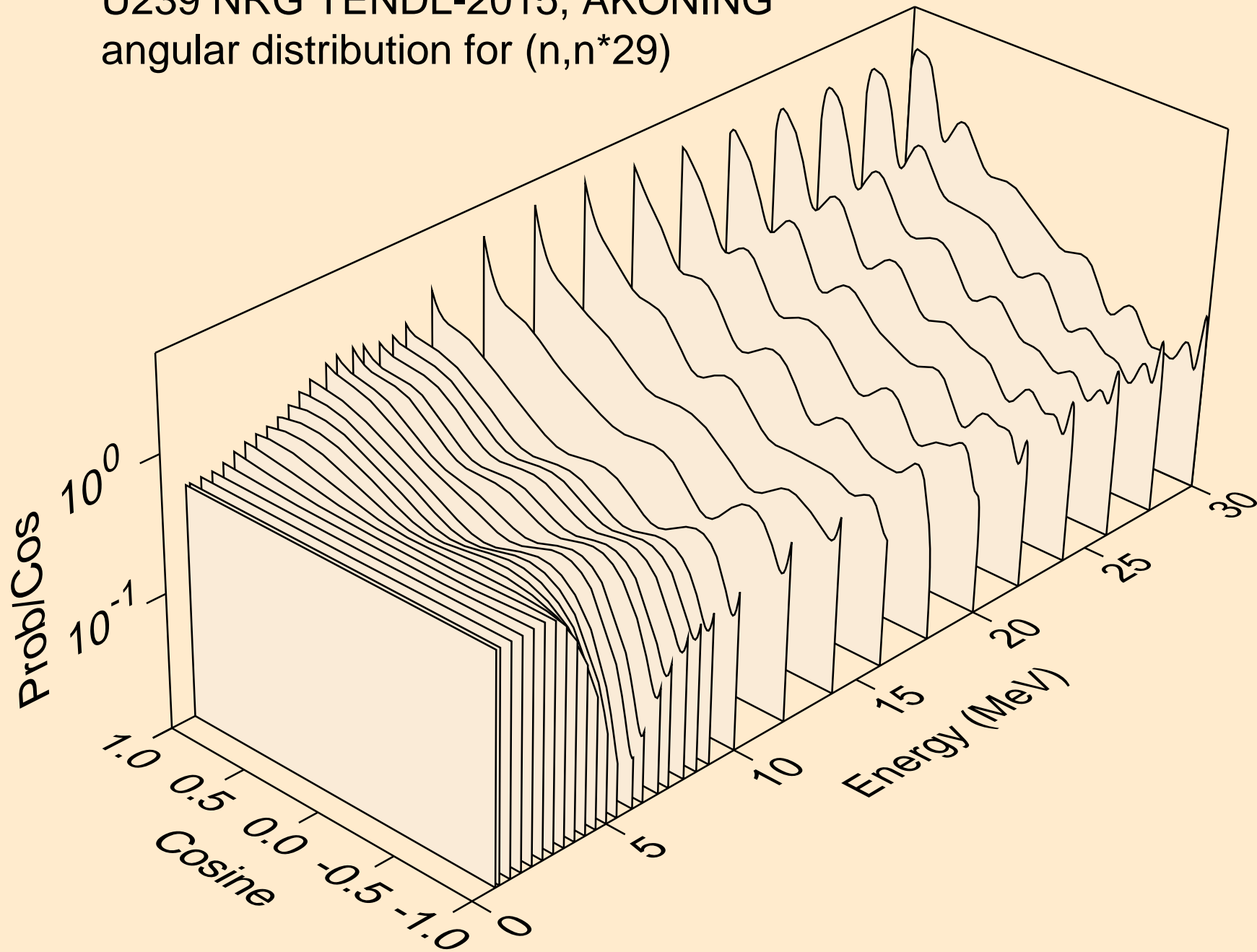
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



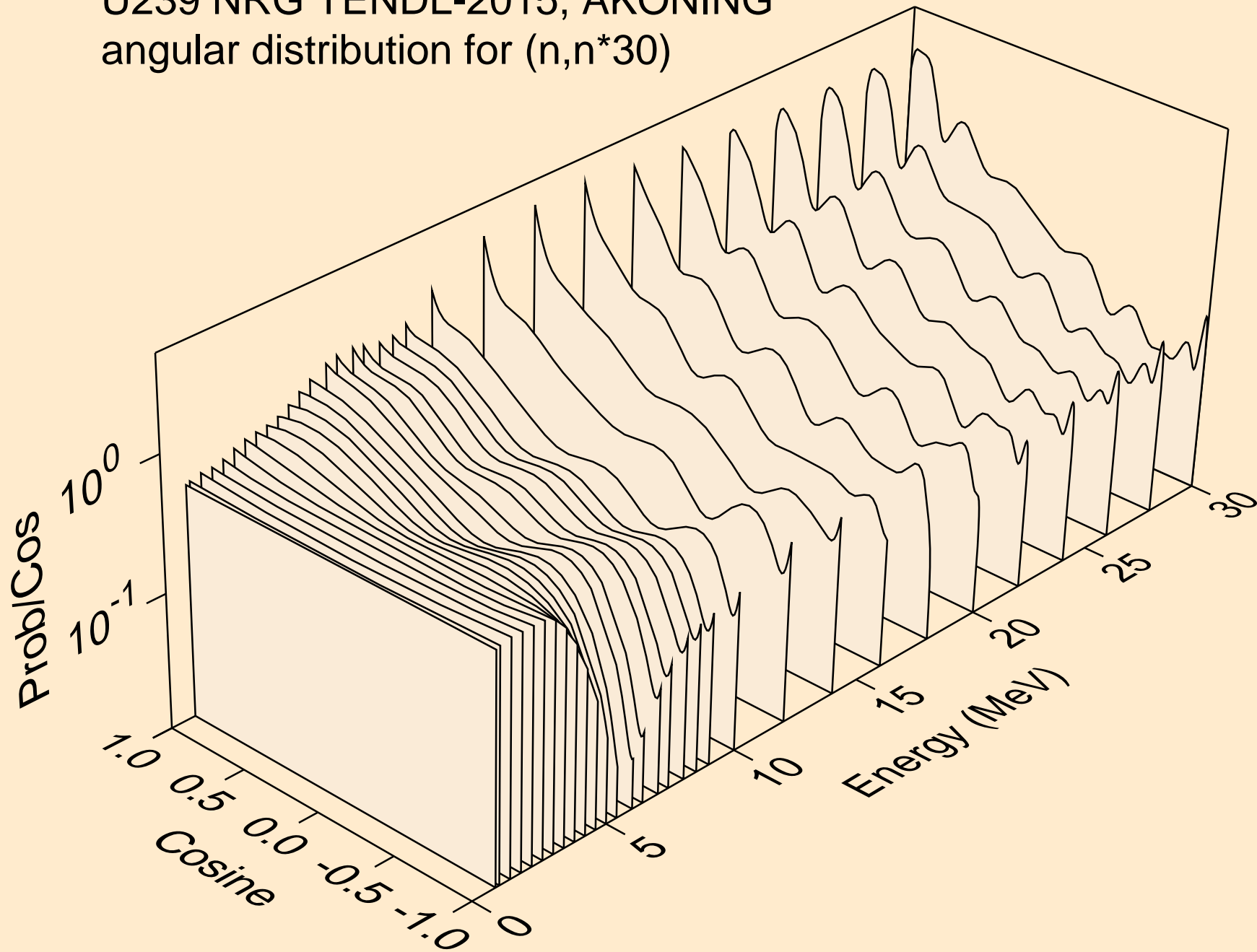
U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

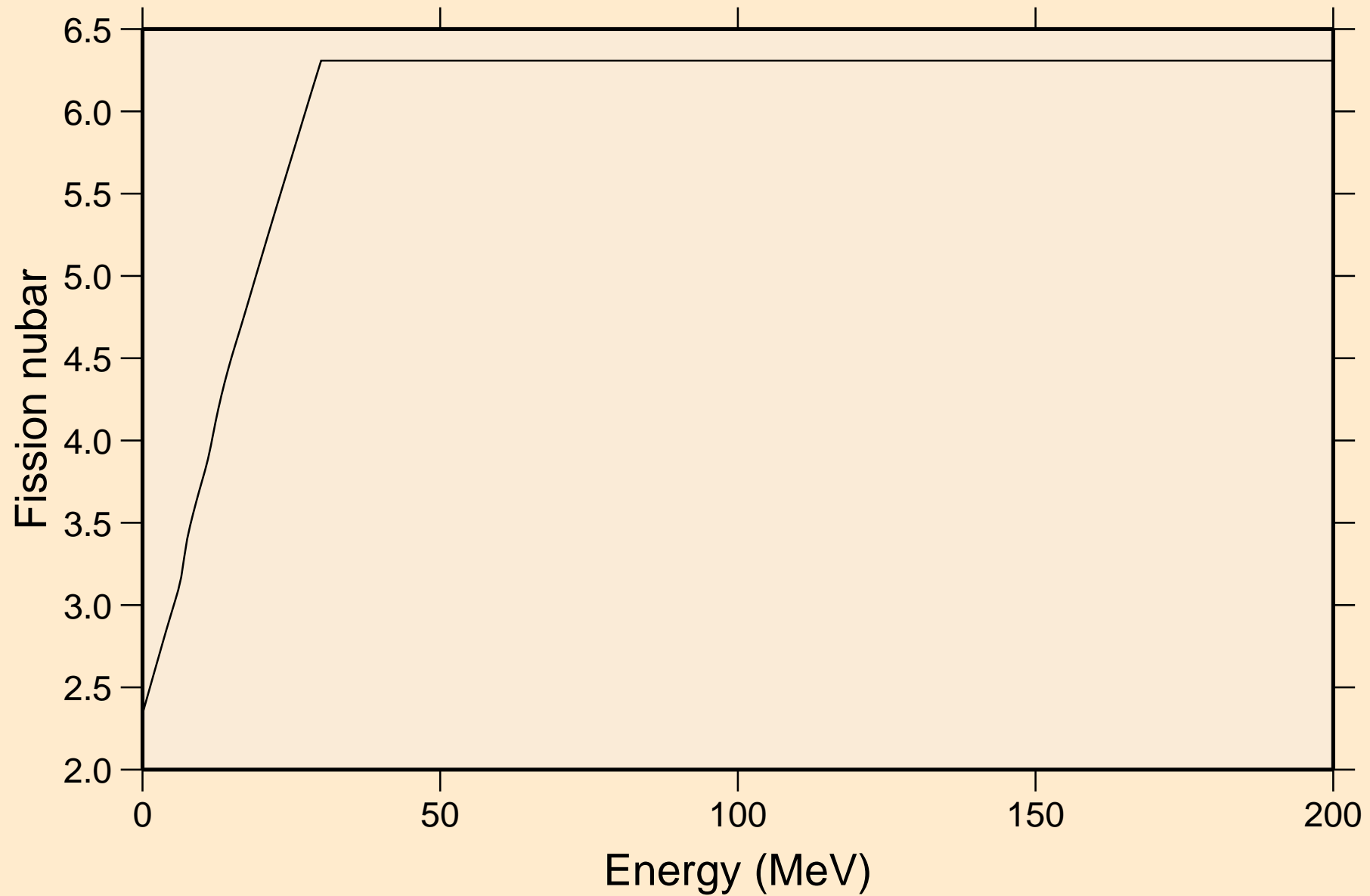


U239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



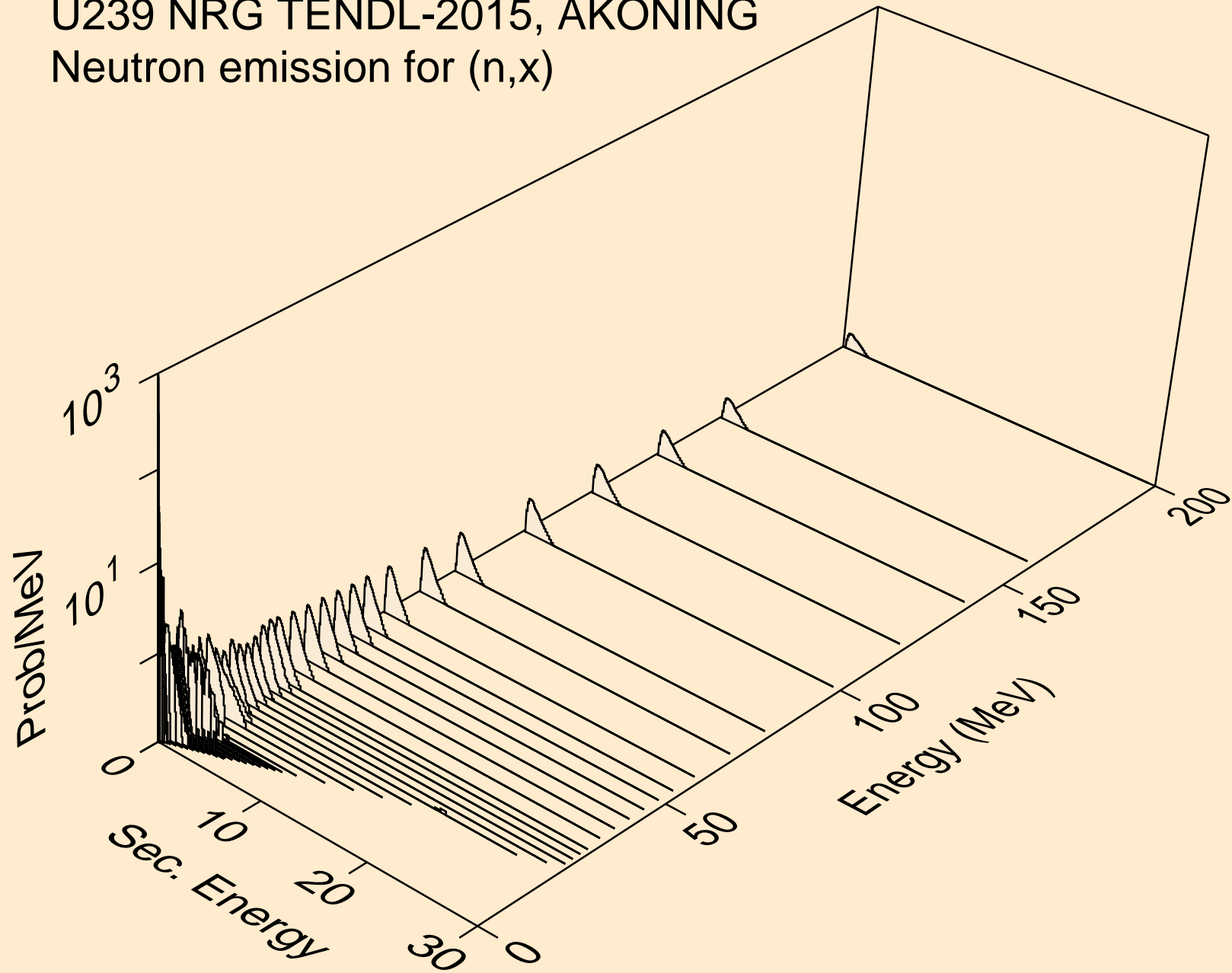
# U239 NRG TENDL-2015, AKONING

Total fission nubar

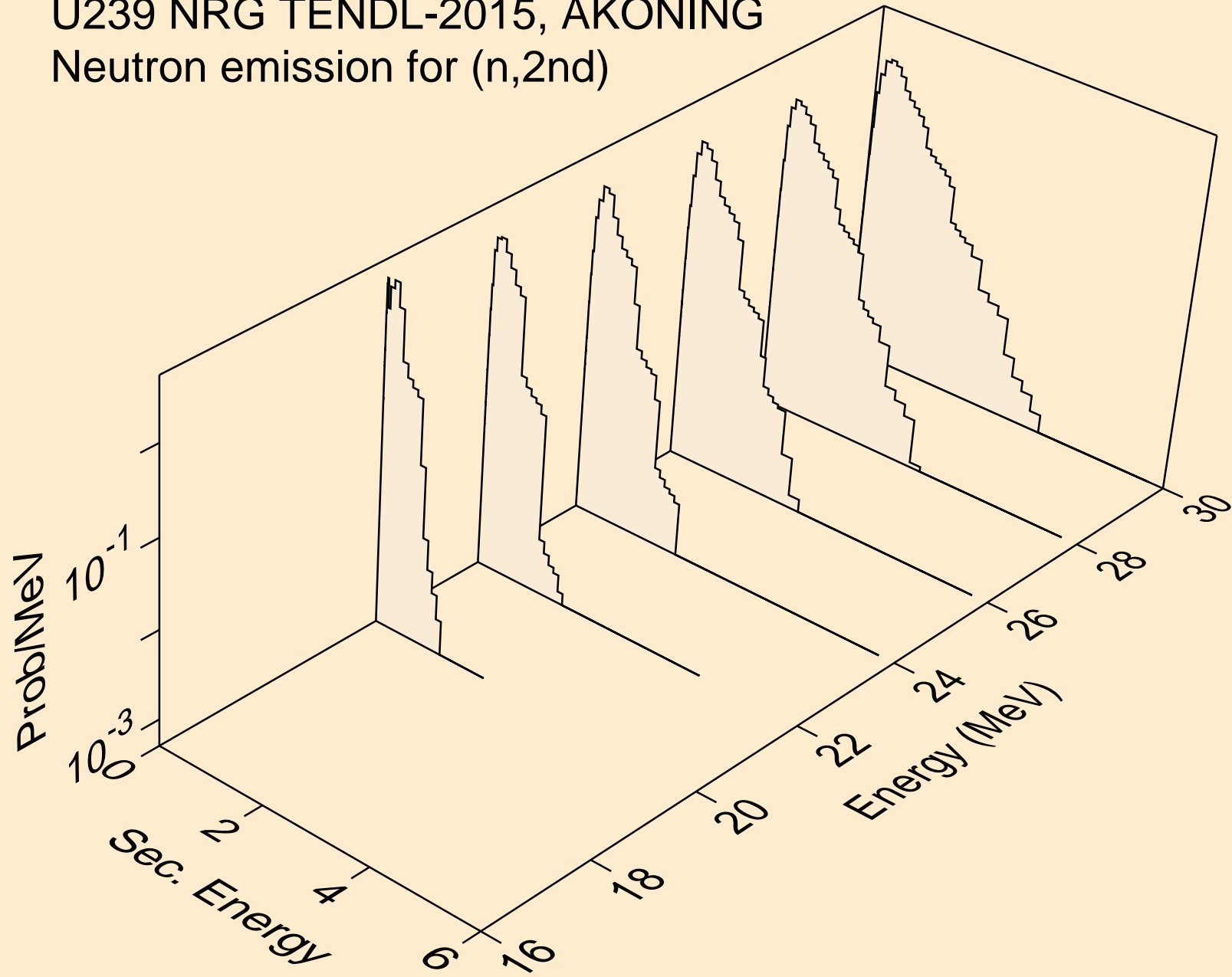




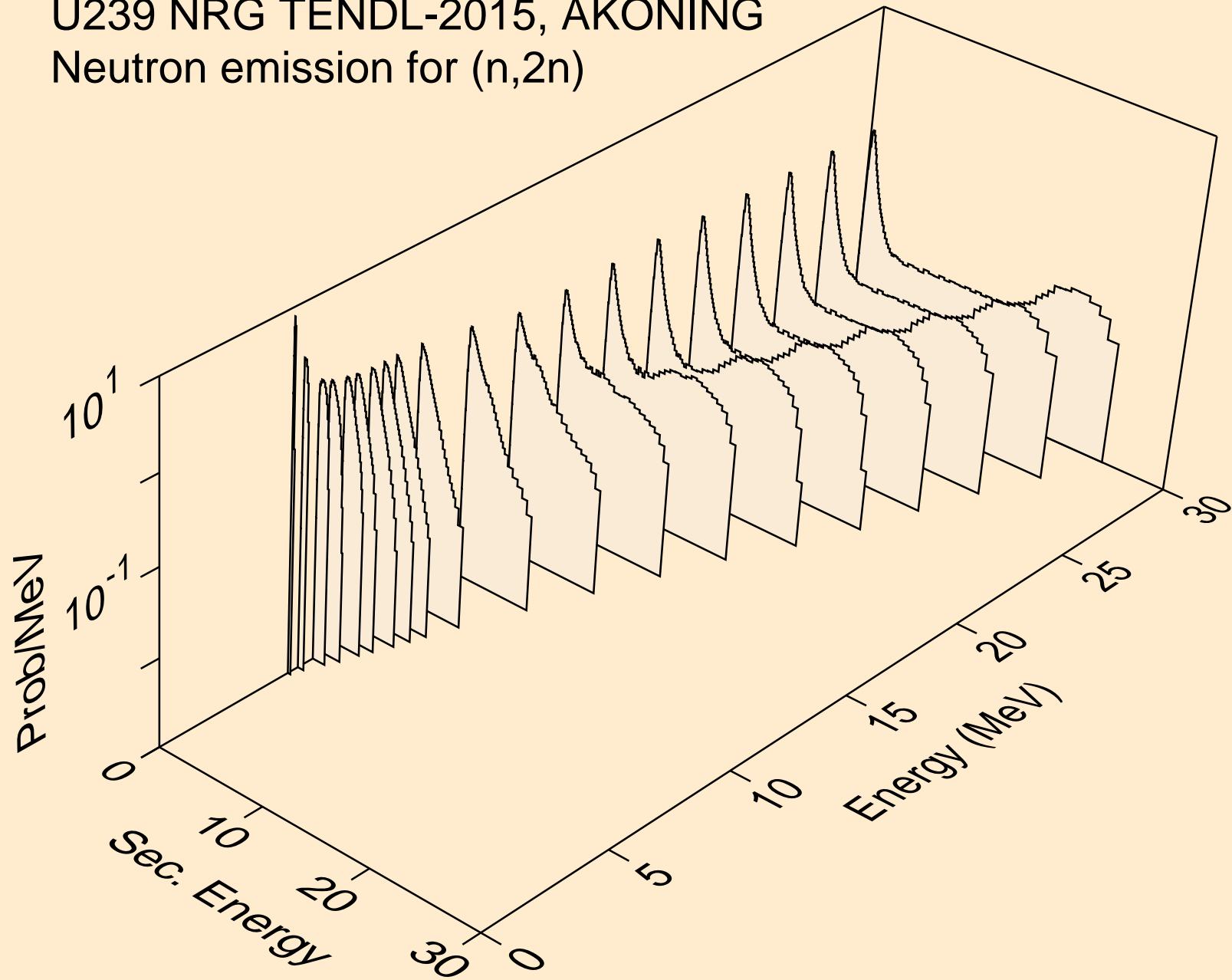
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



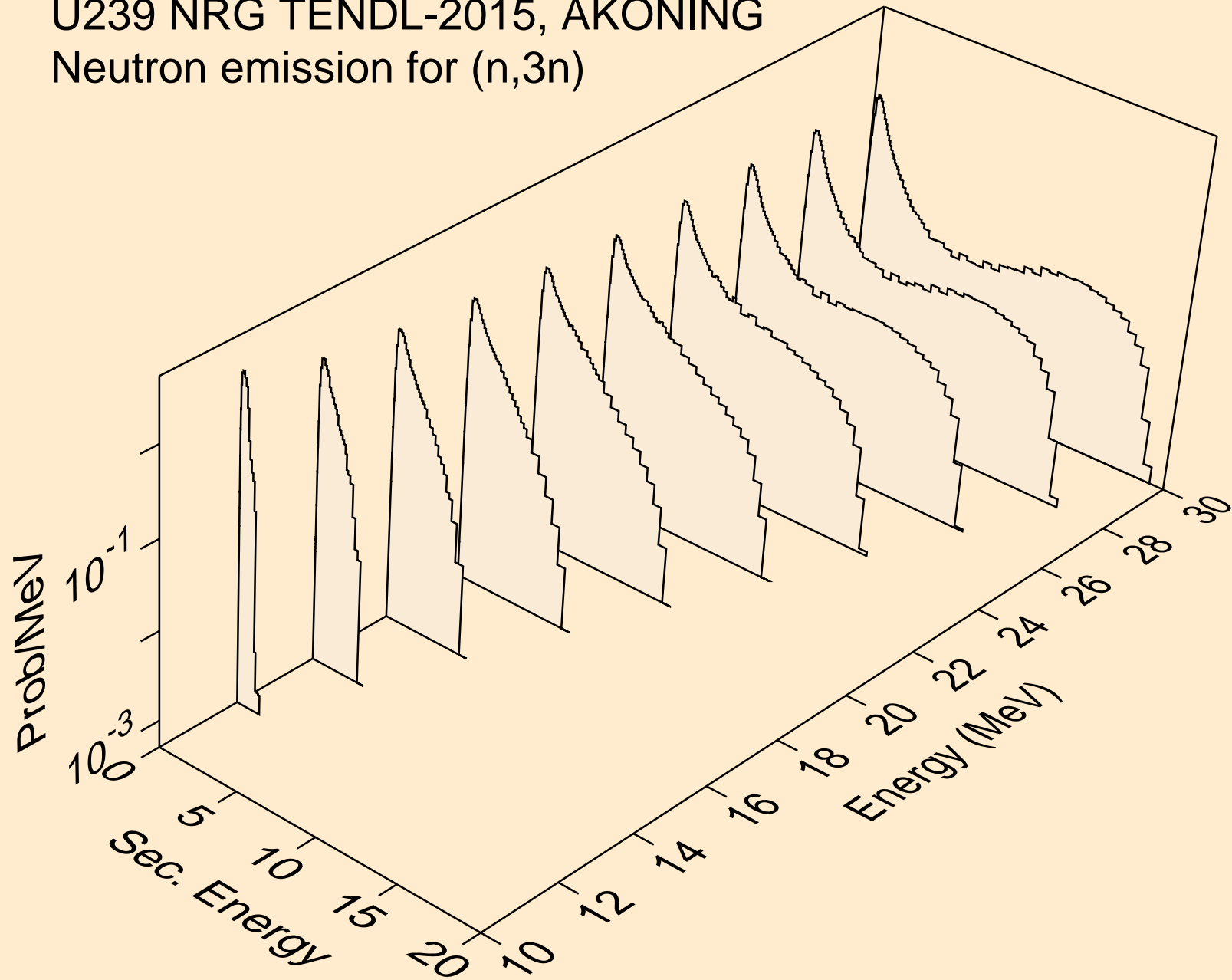
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



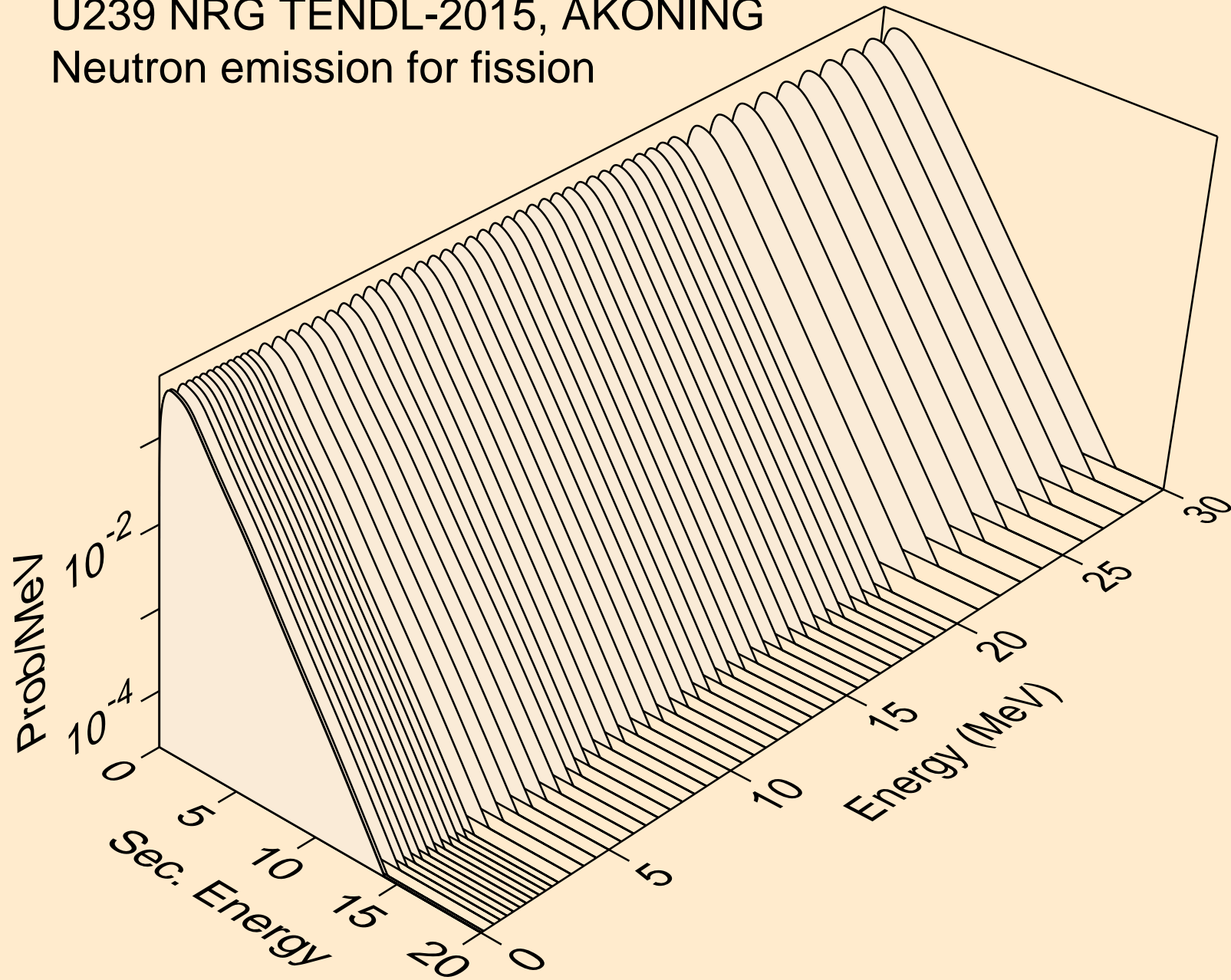
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



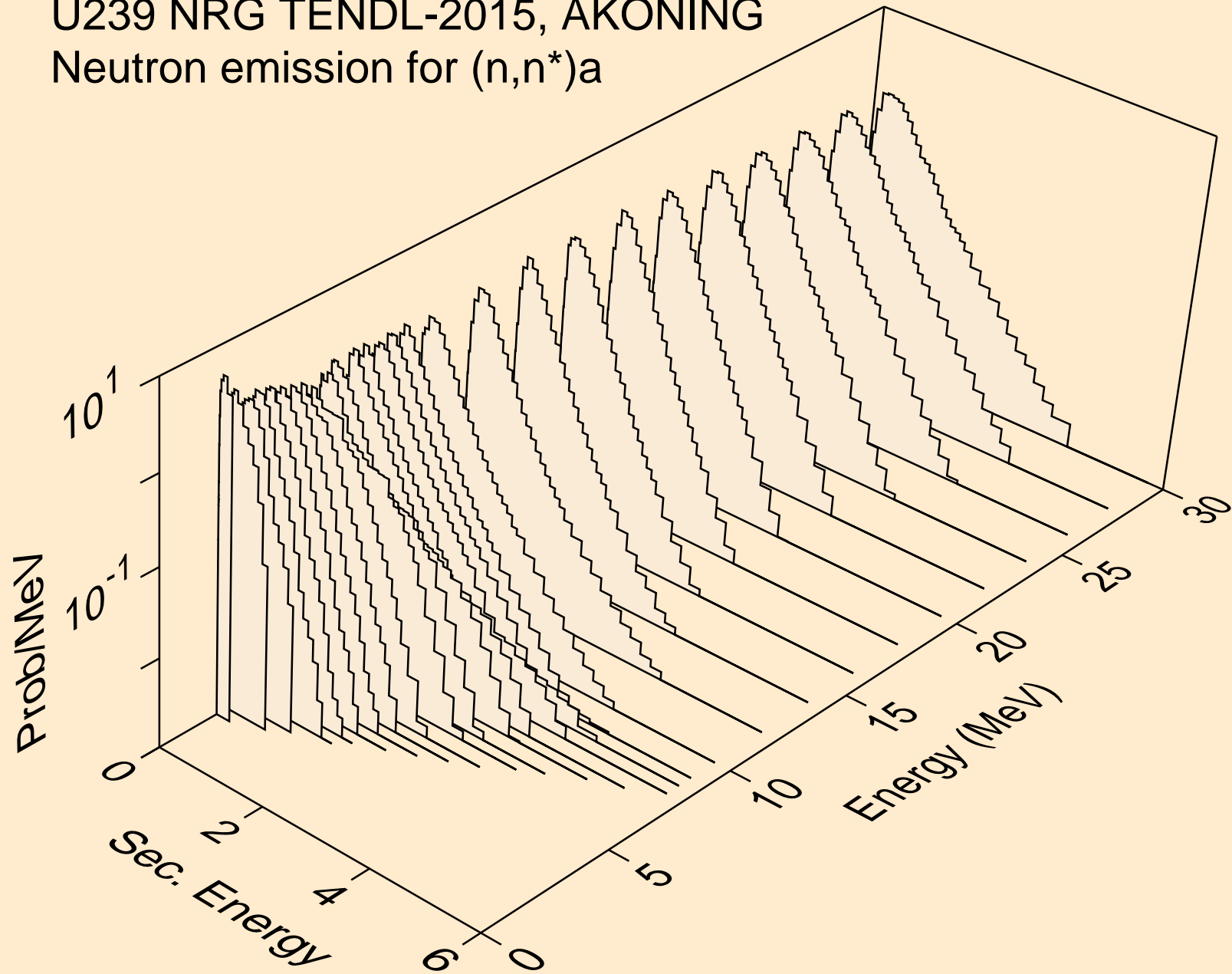
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



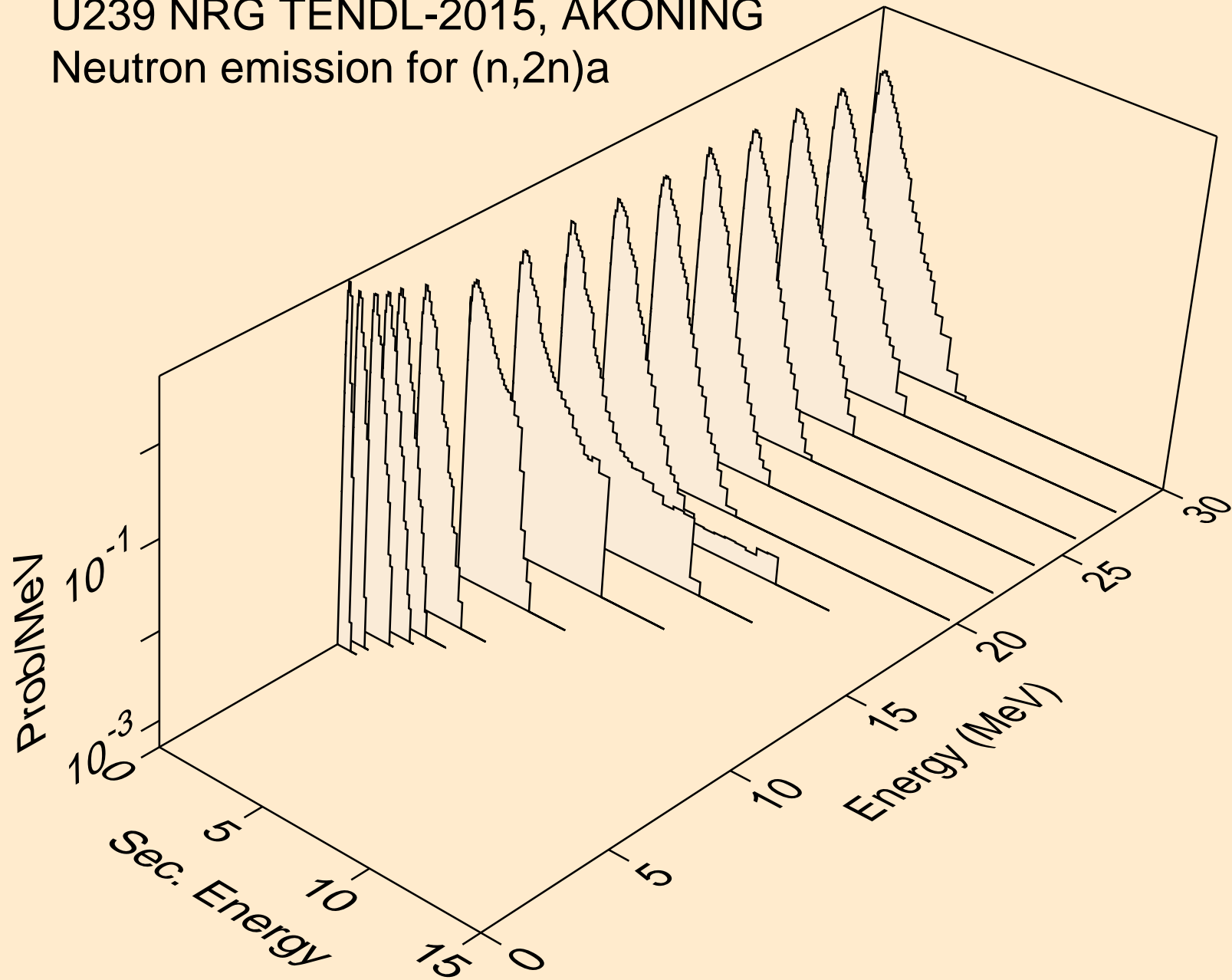
U239 NRG TENDL-2015, AKONING  
Neutron emission for fission



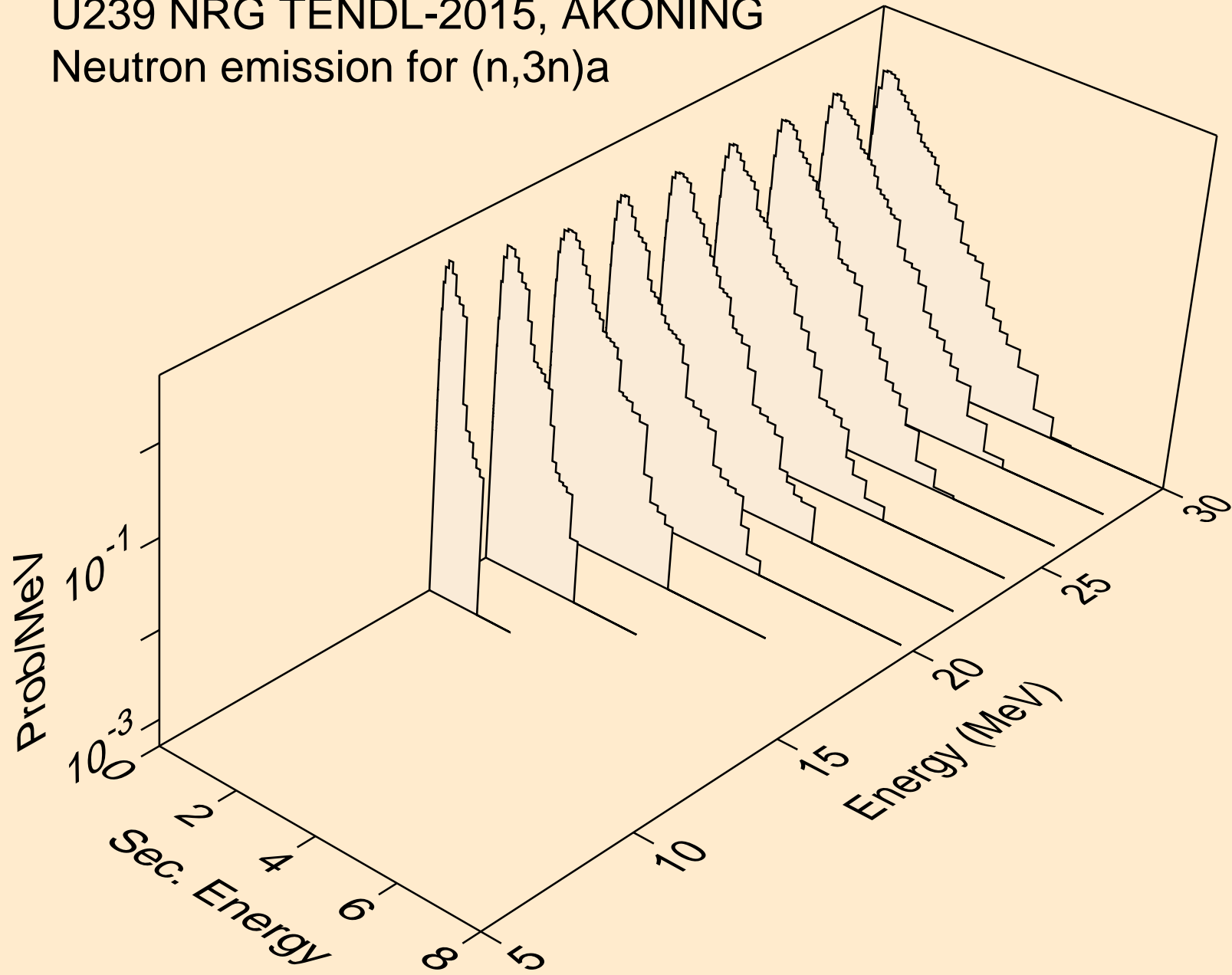
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

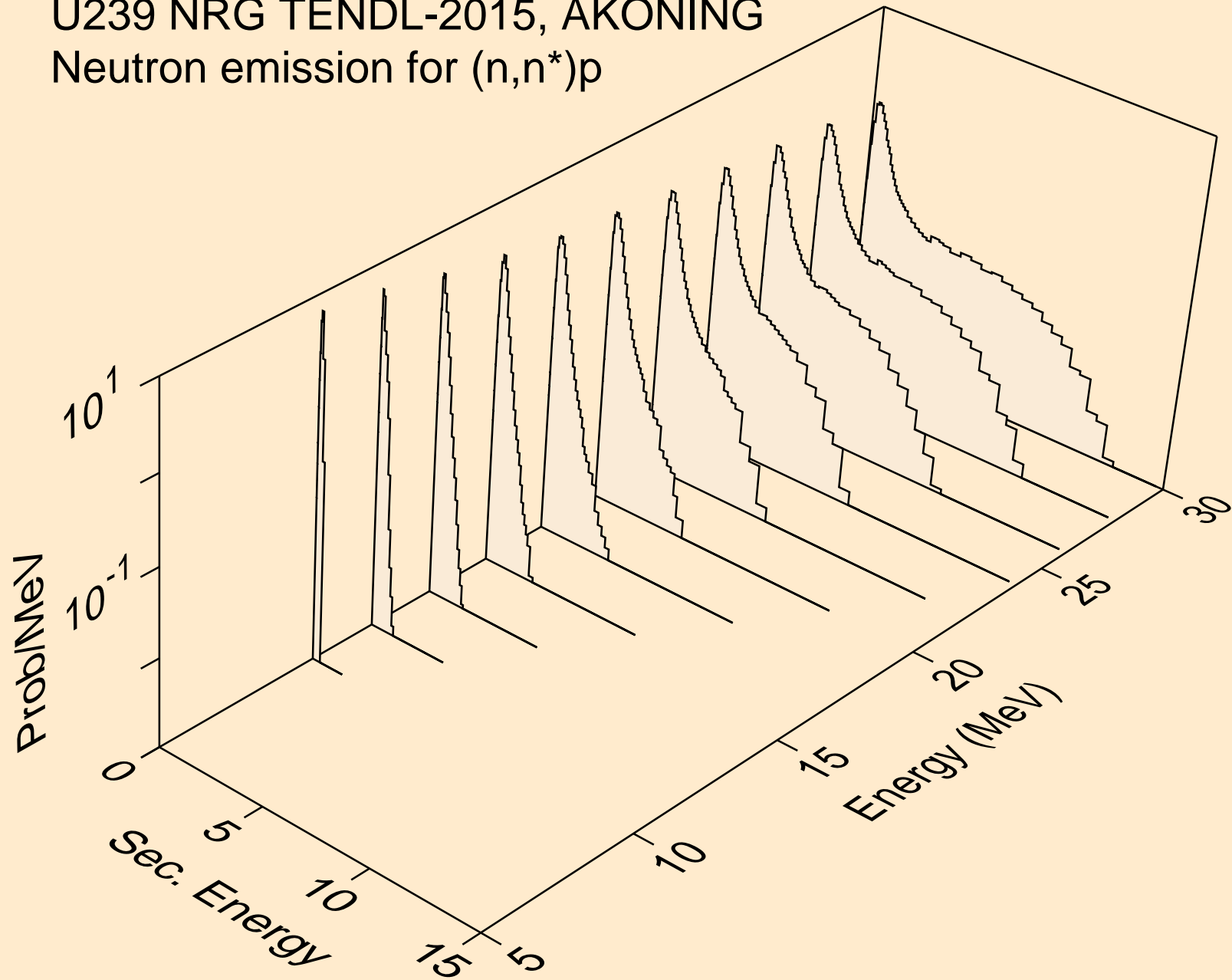


U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

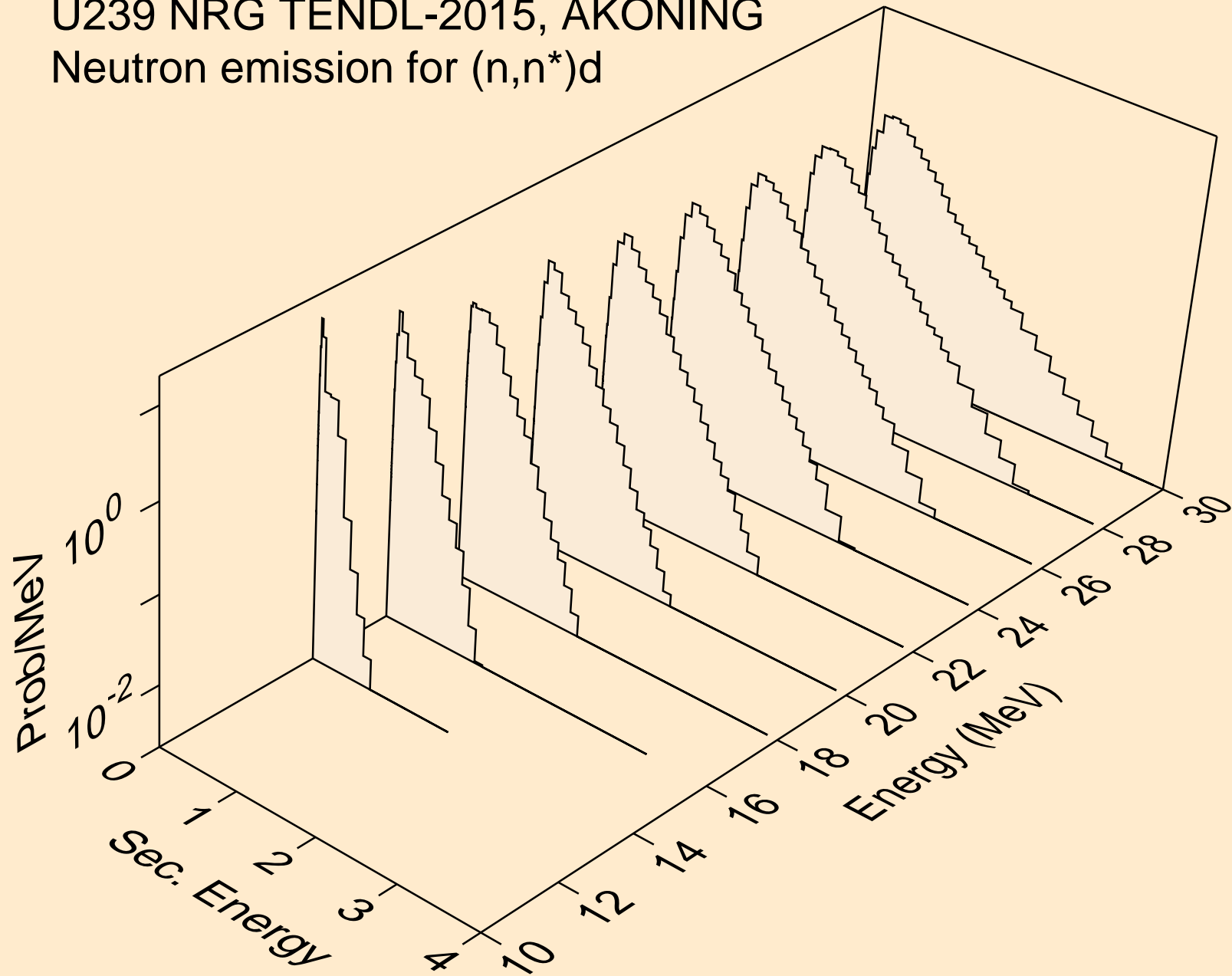




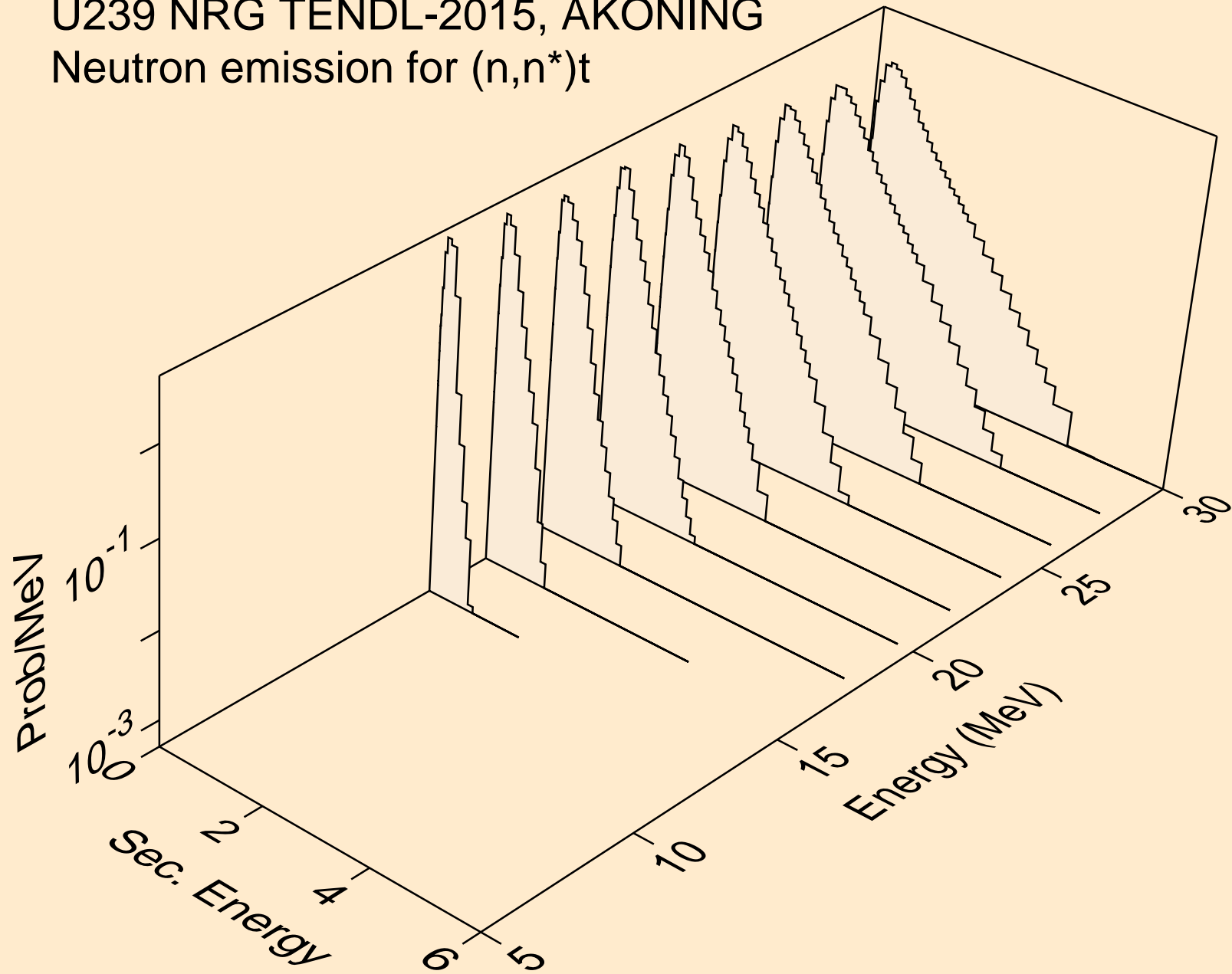
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



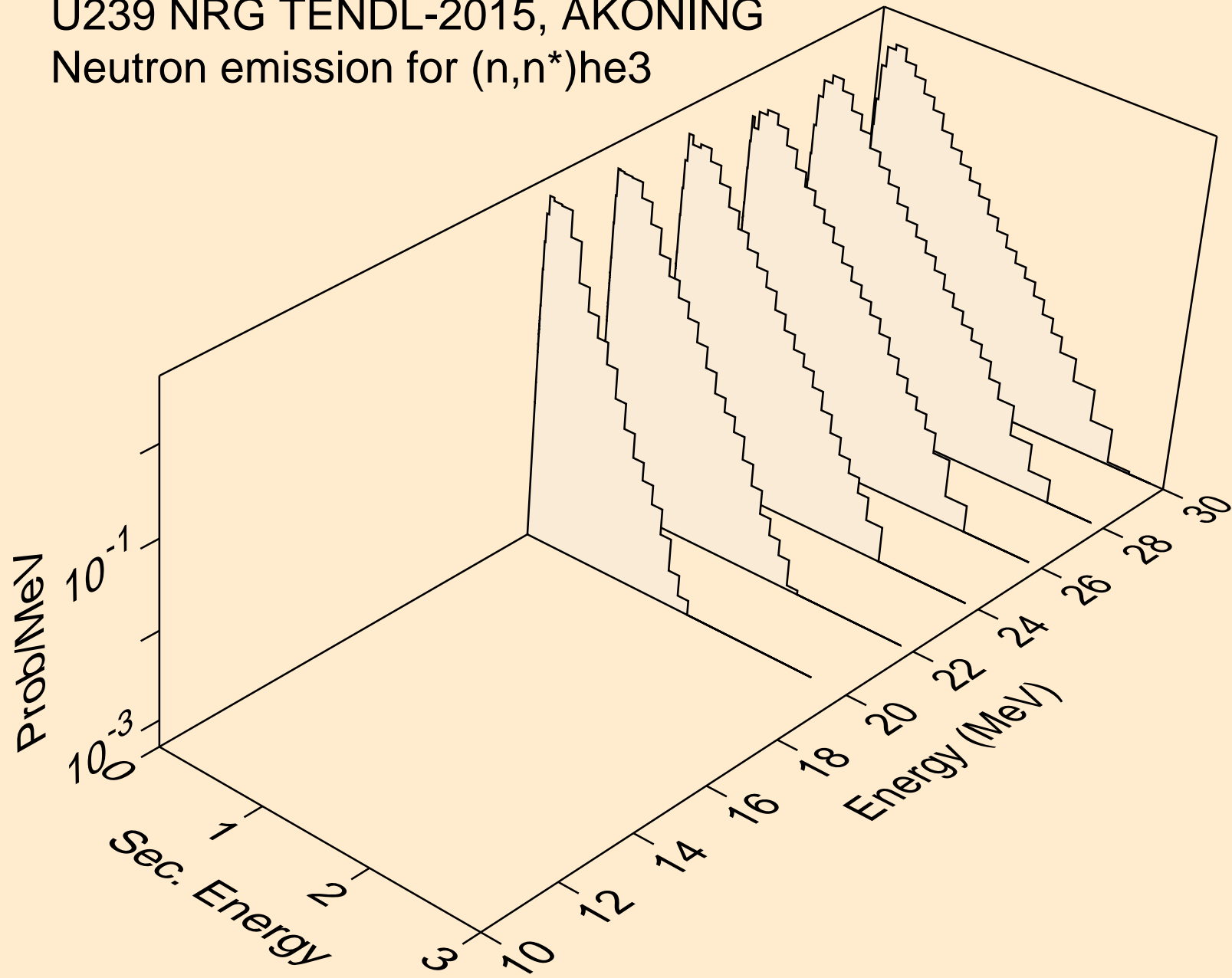
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



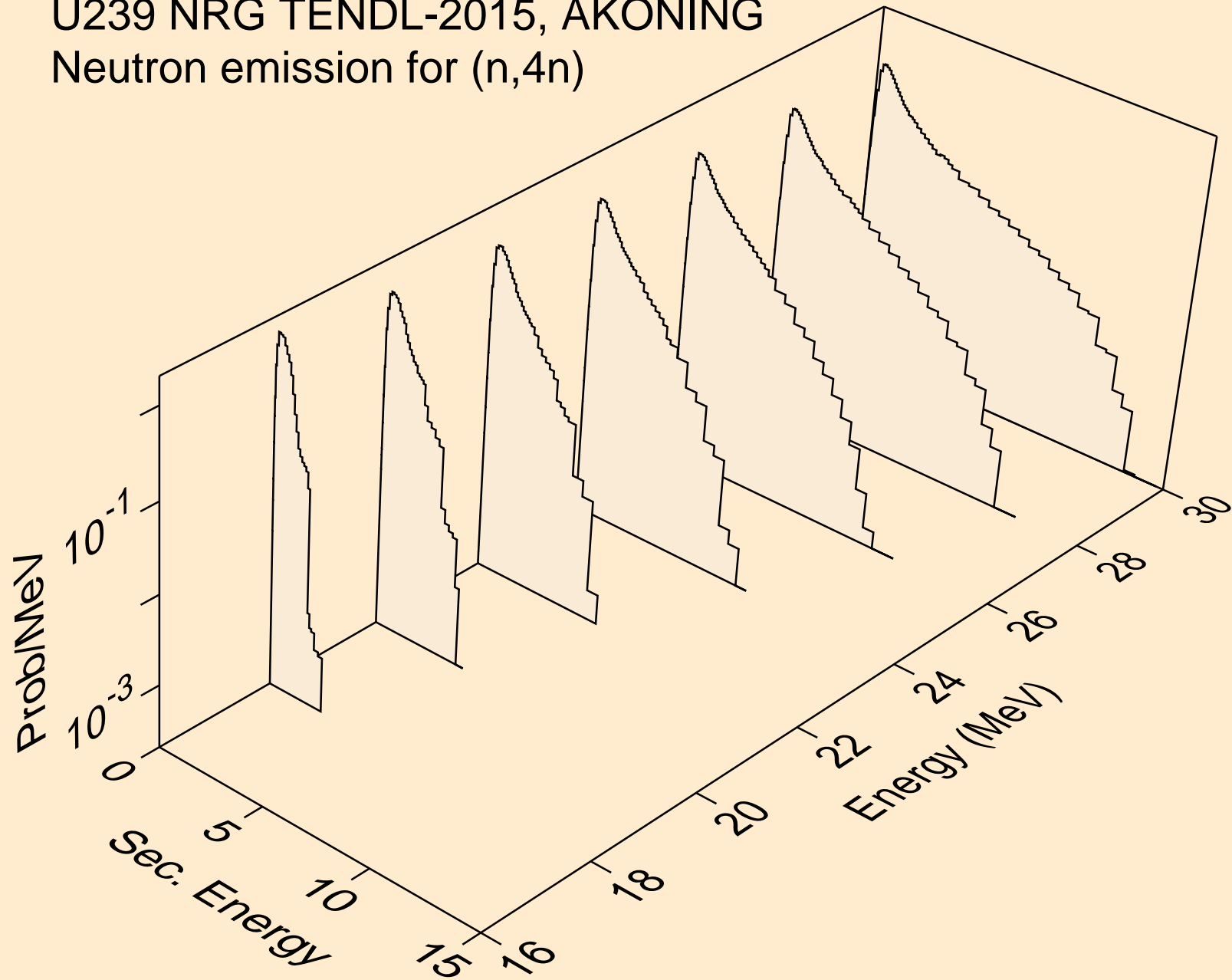
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



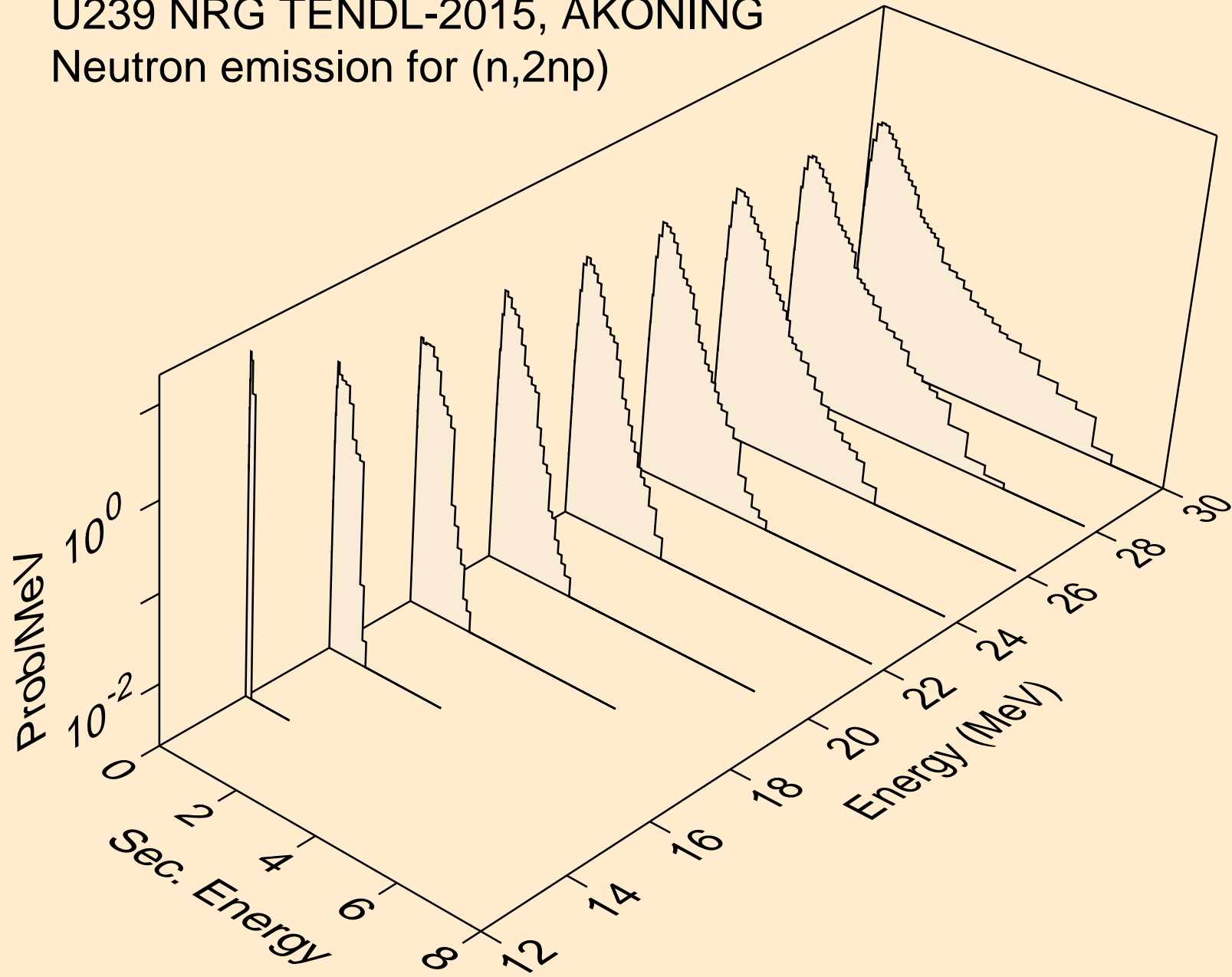
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



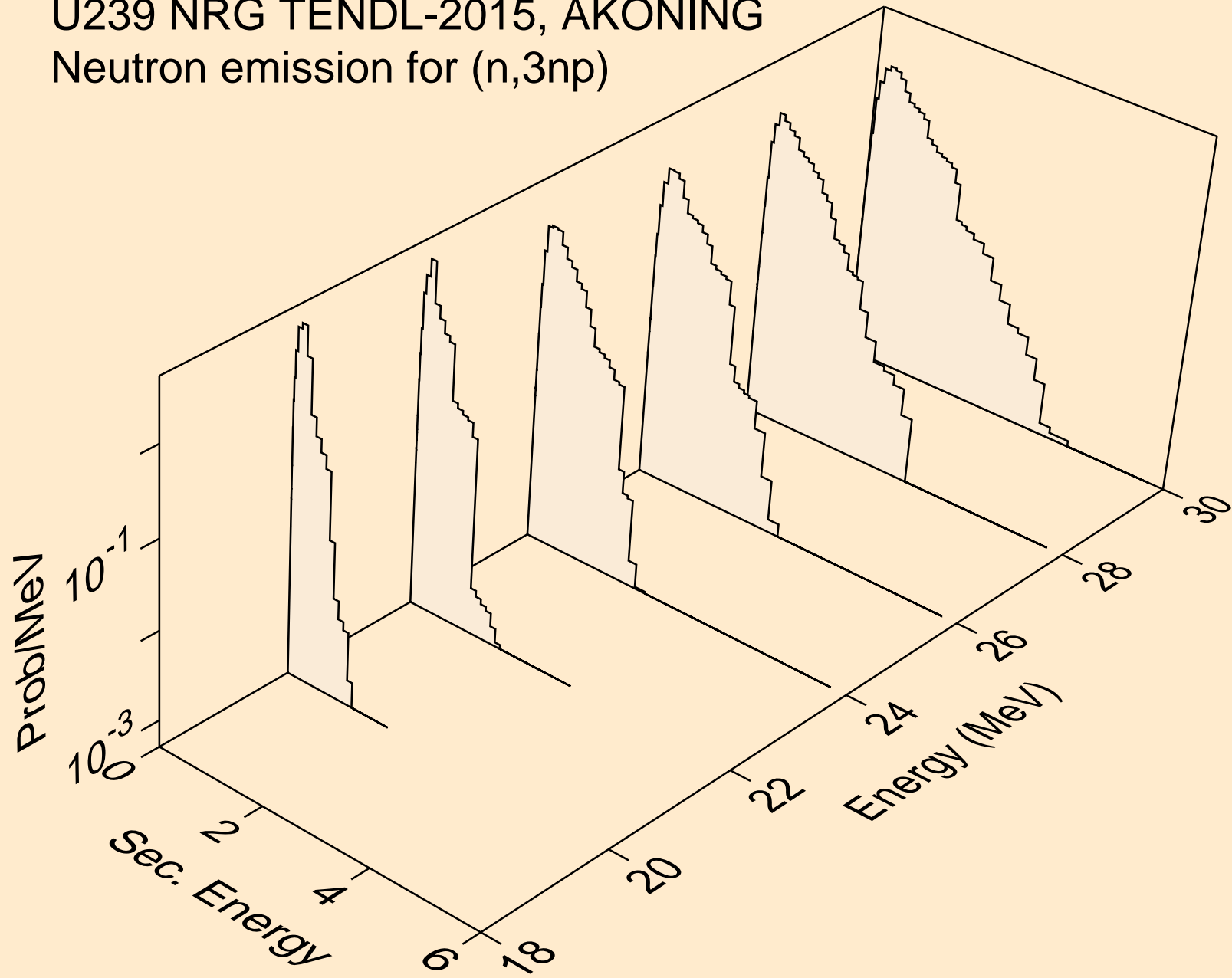
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



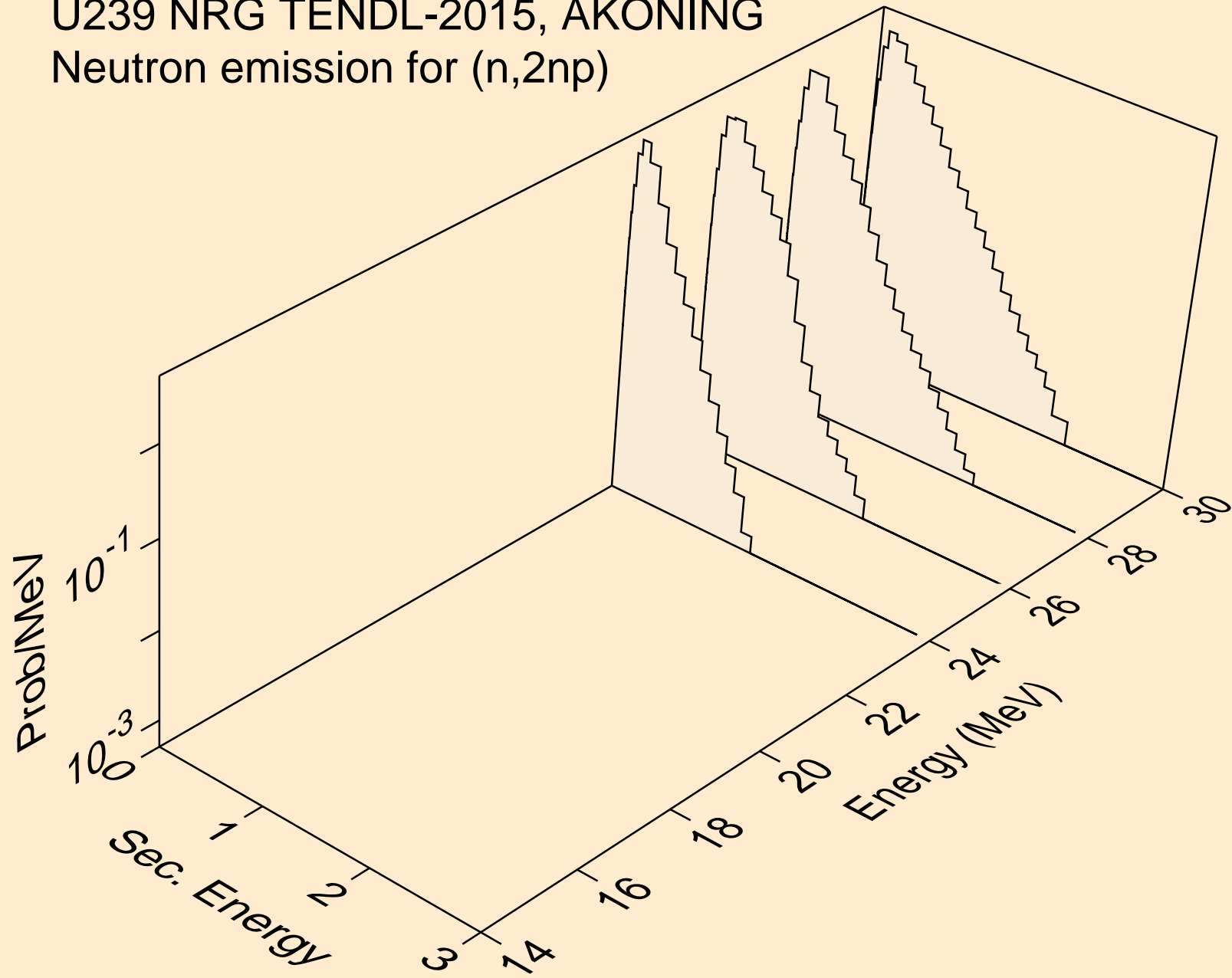
U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

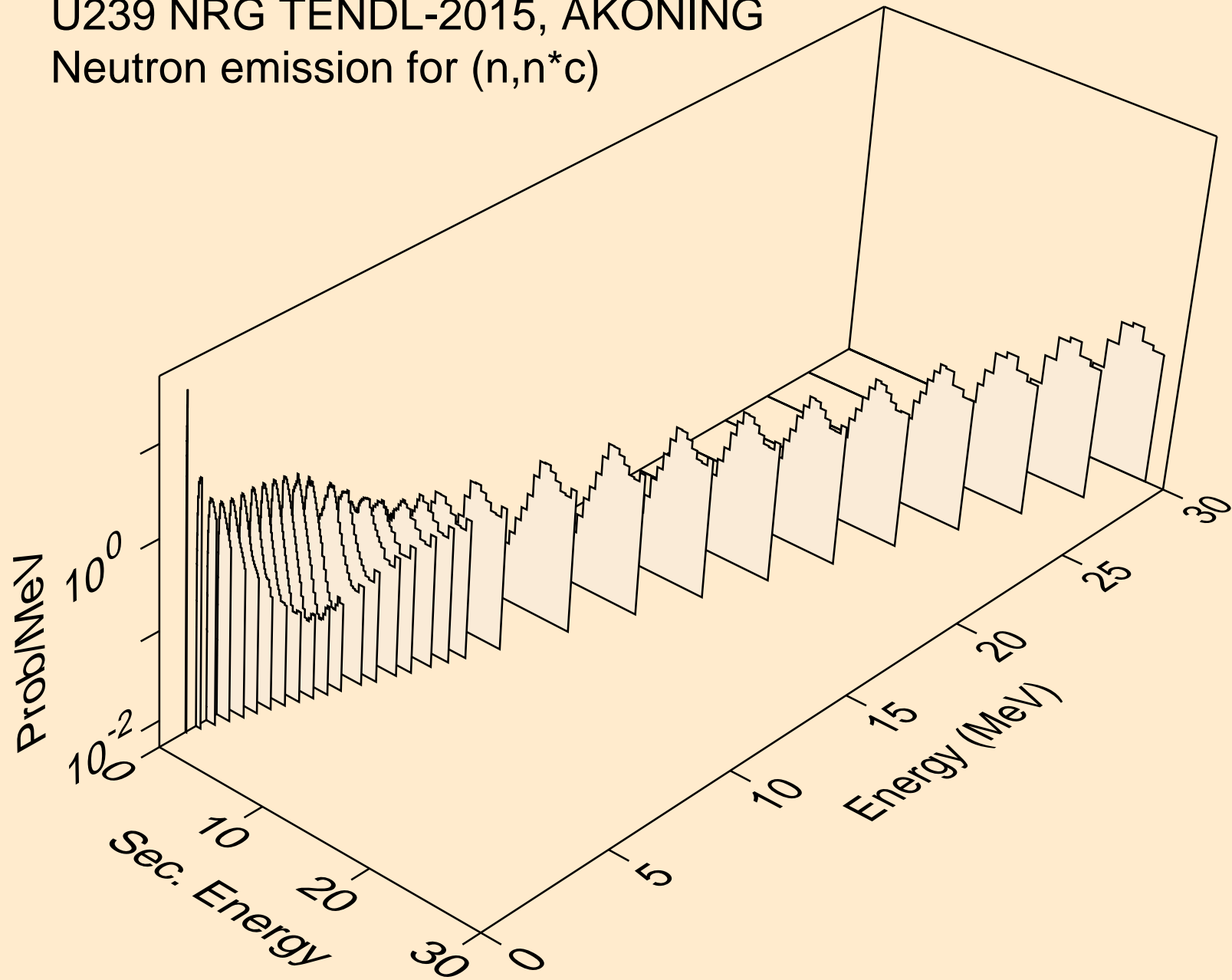


U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



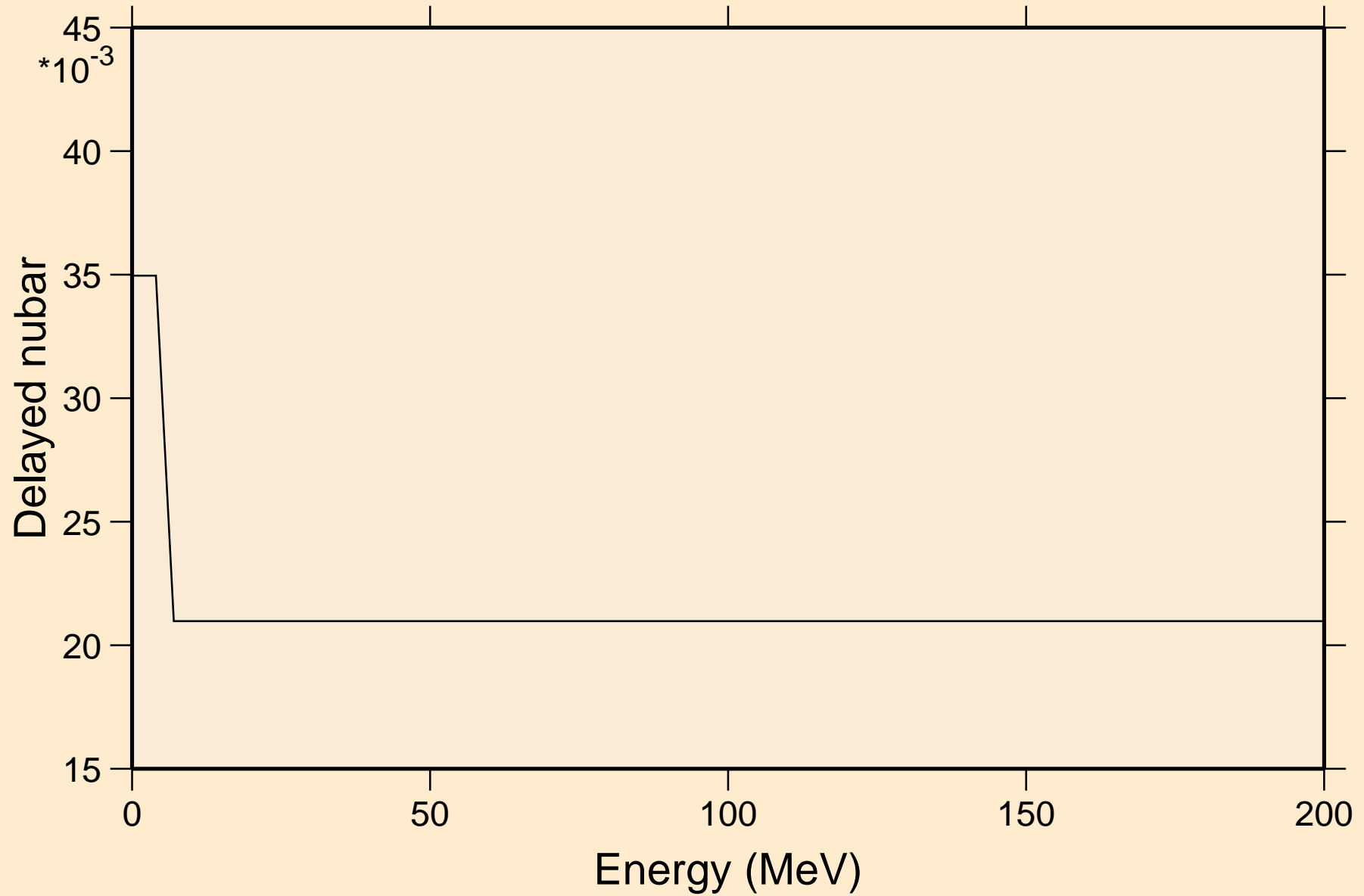


U239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



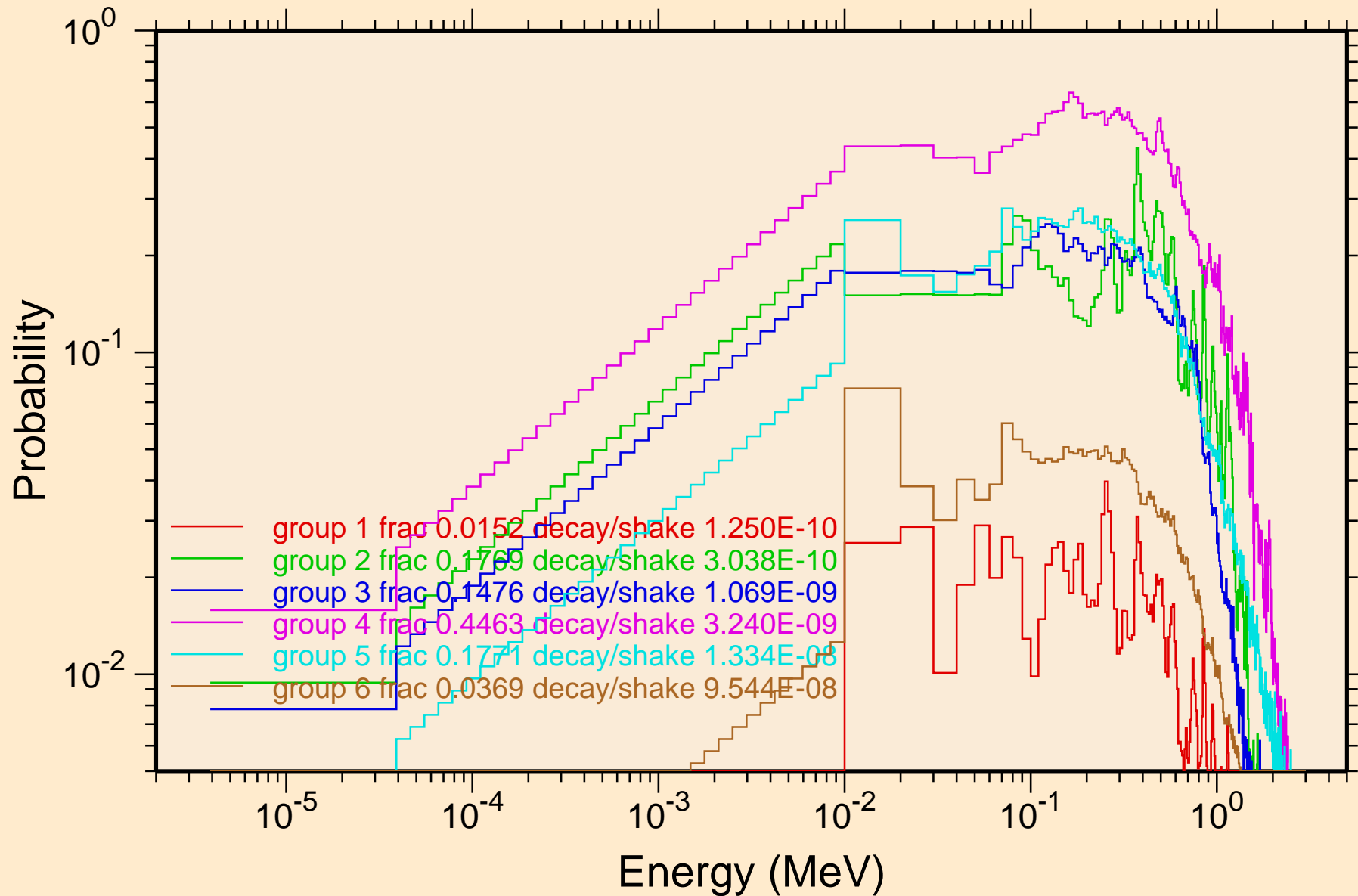
# U239 NRG TENDL-2015, AKONING

Delayed nubar

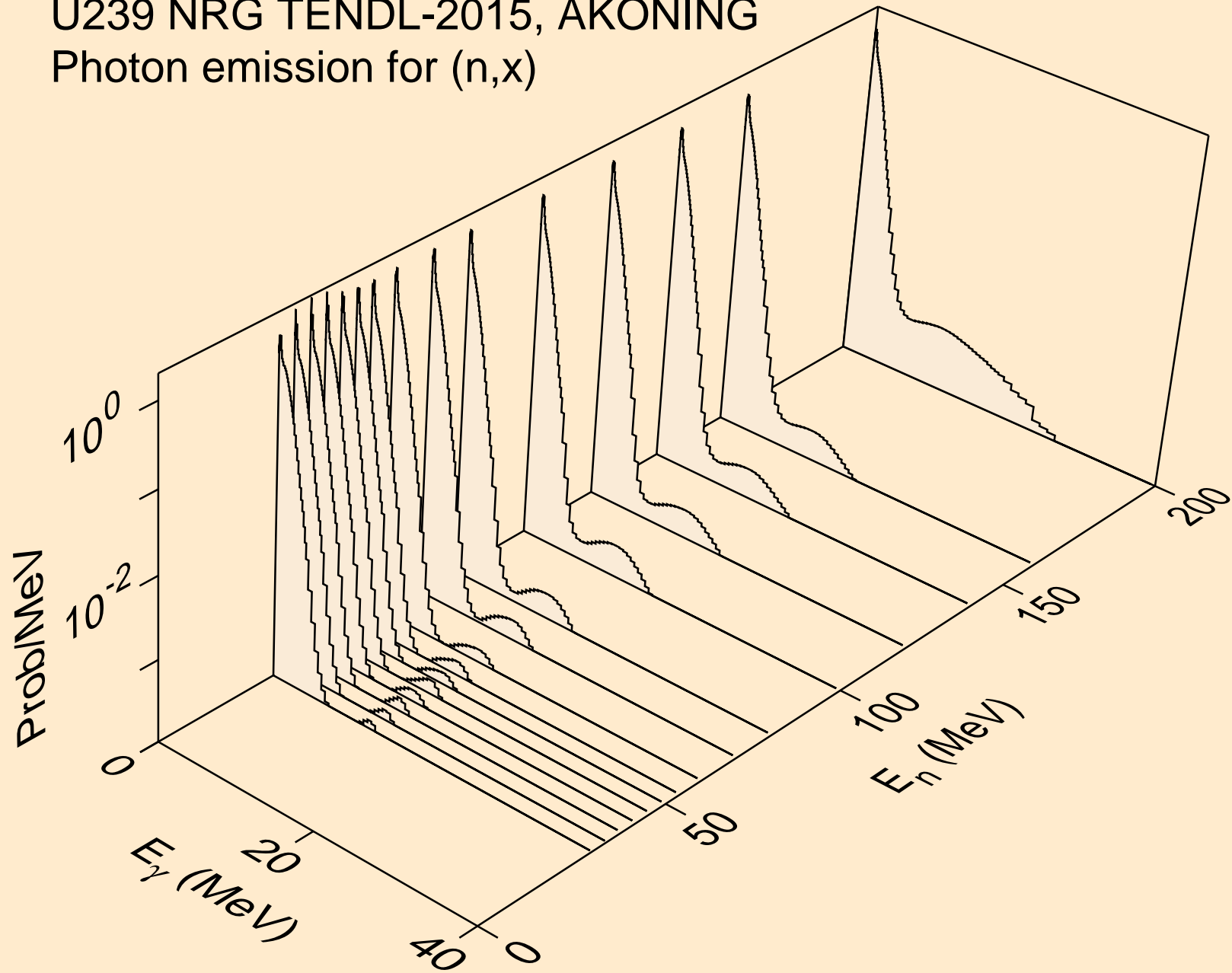


# U239 NRG TENDL-2015, AKONING

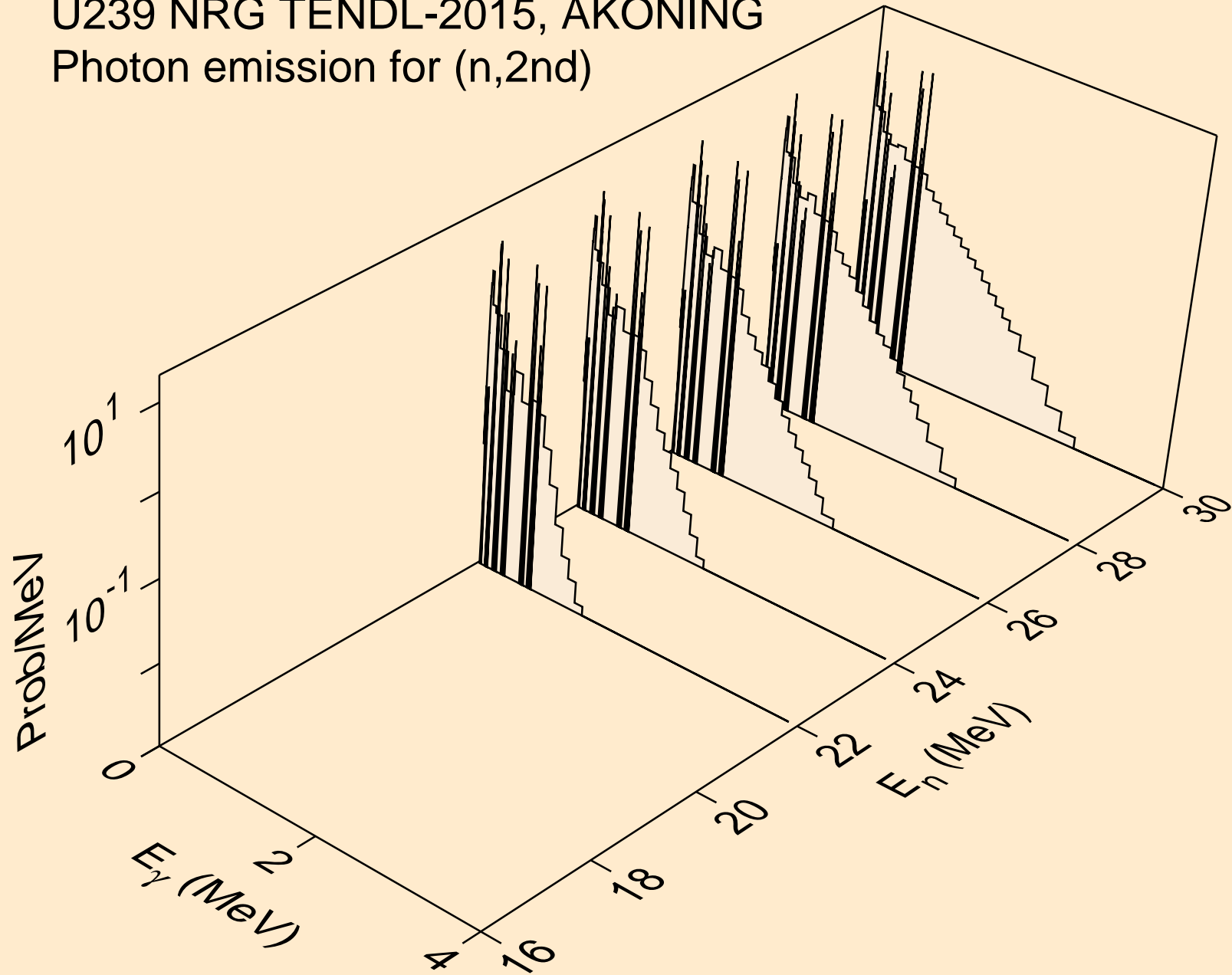
## Delayed neutron spectra



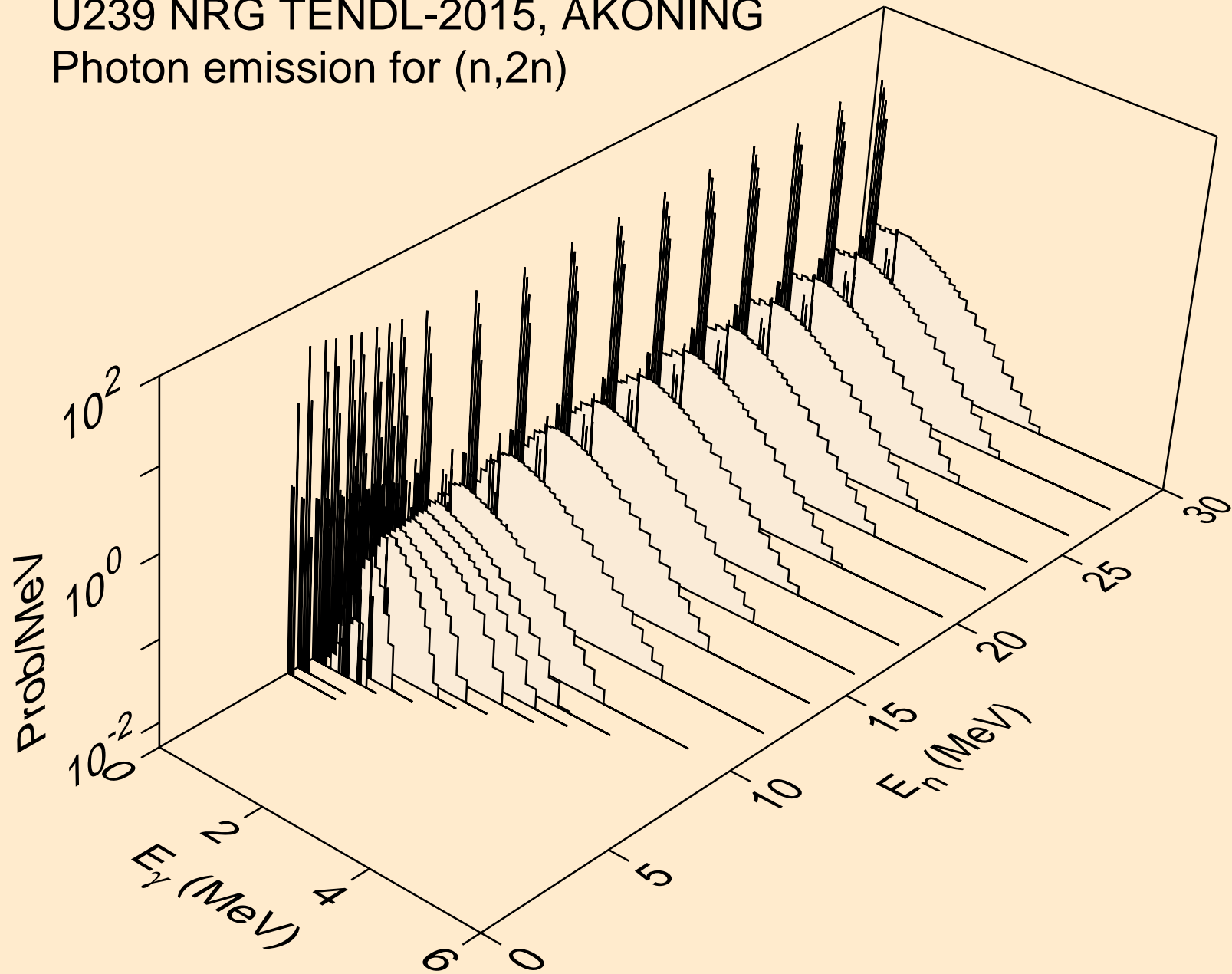
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



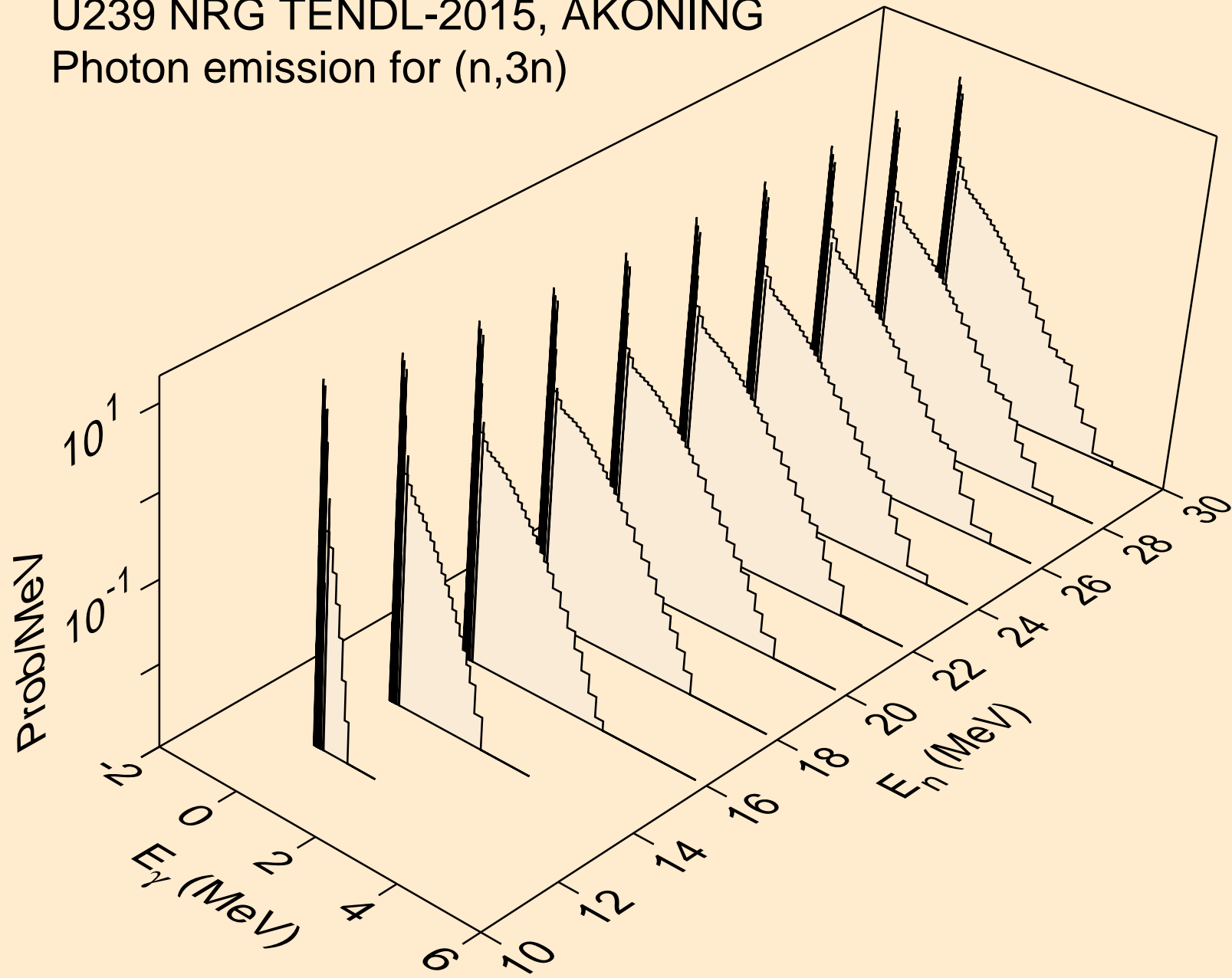
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



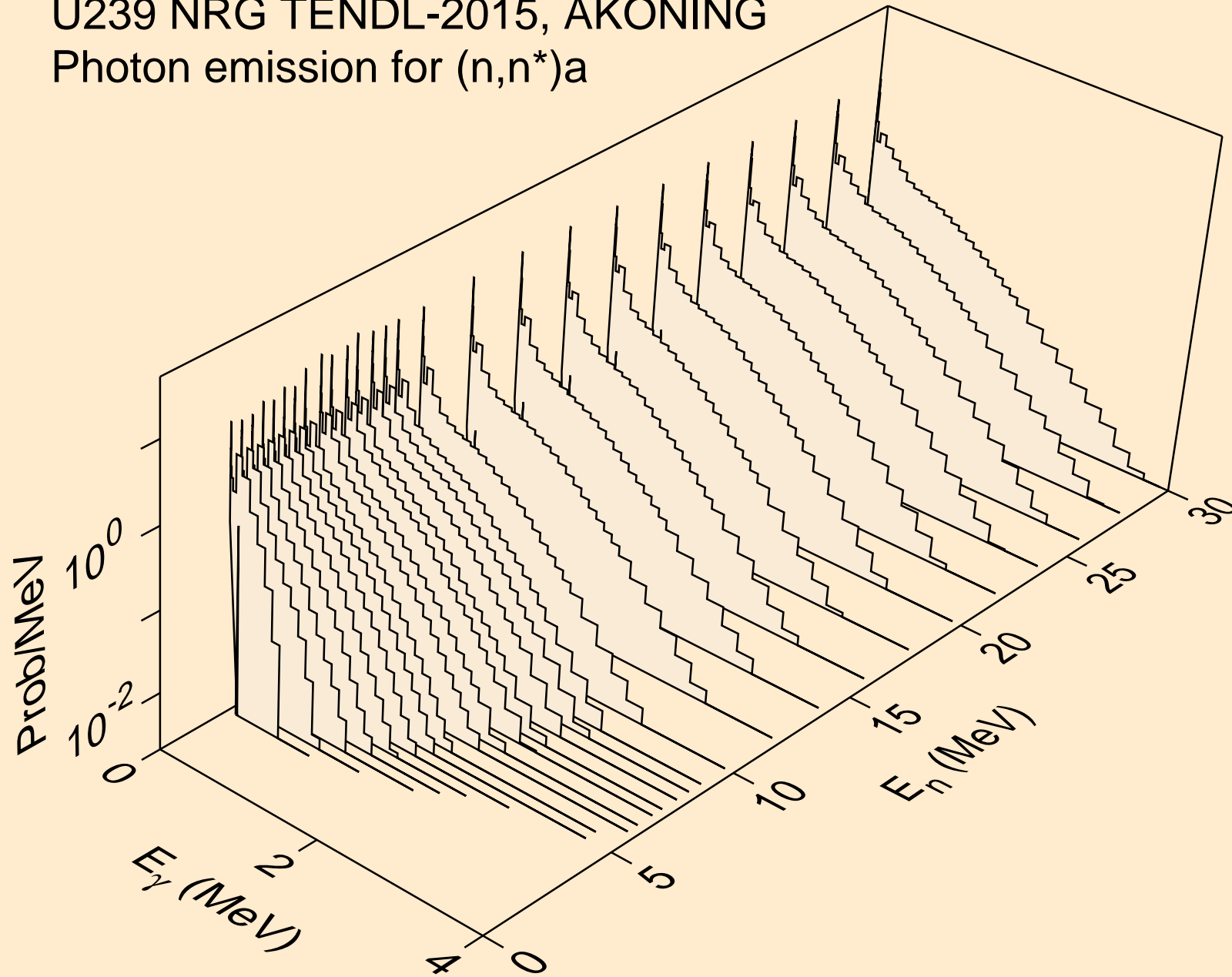
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



U239 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

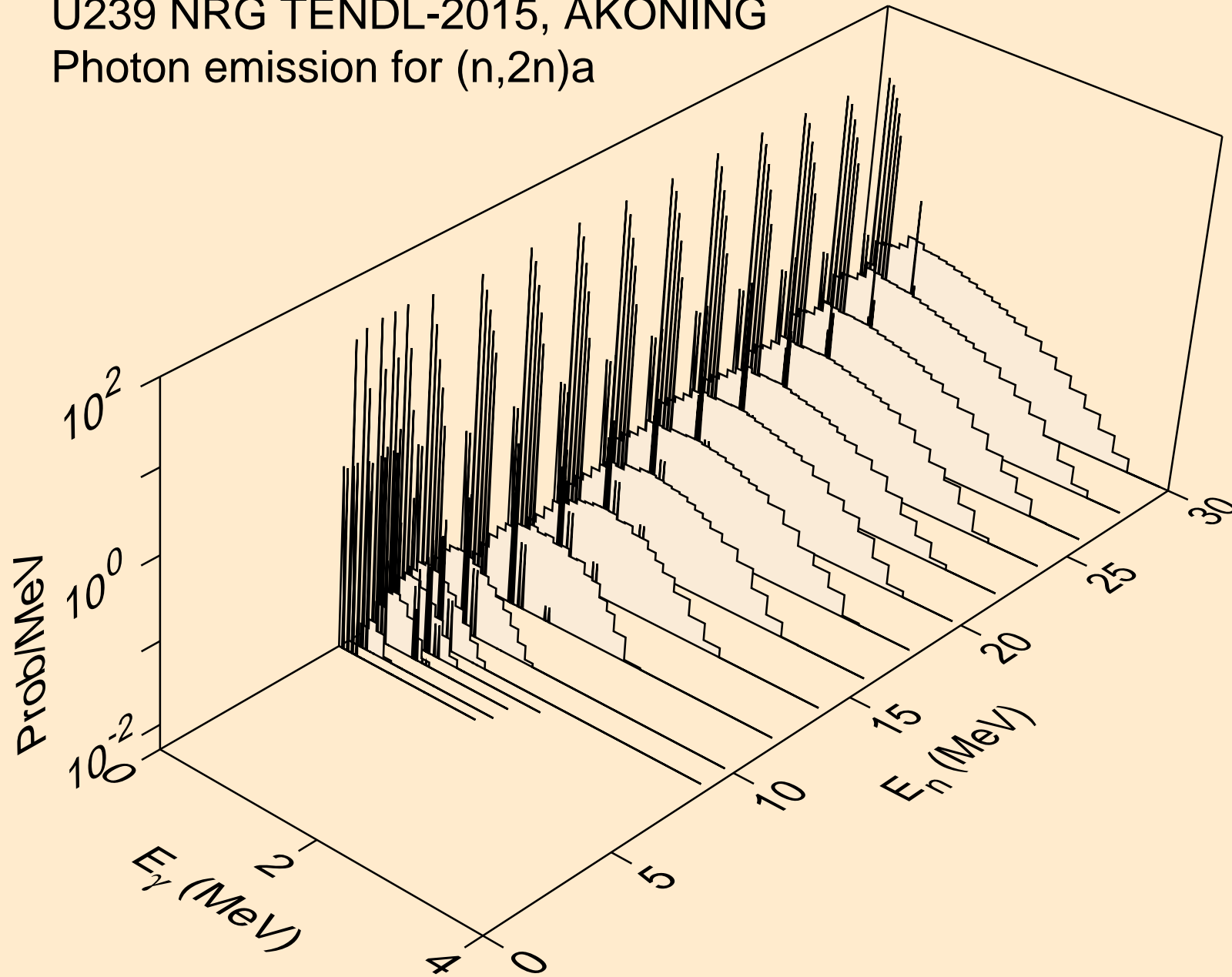


U239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

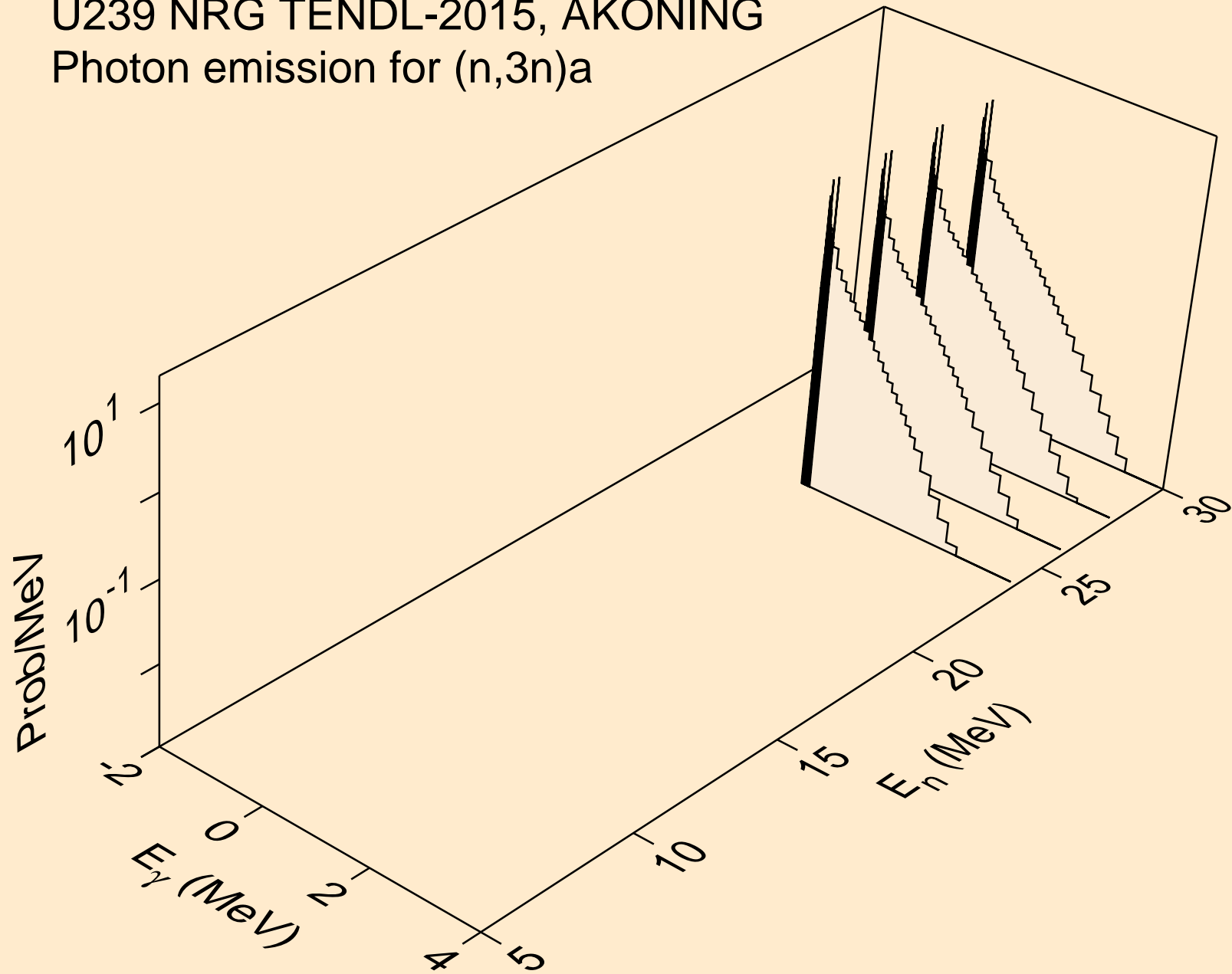




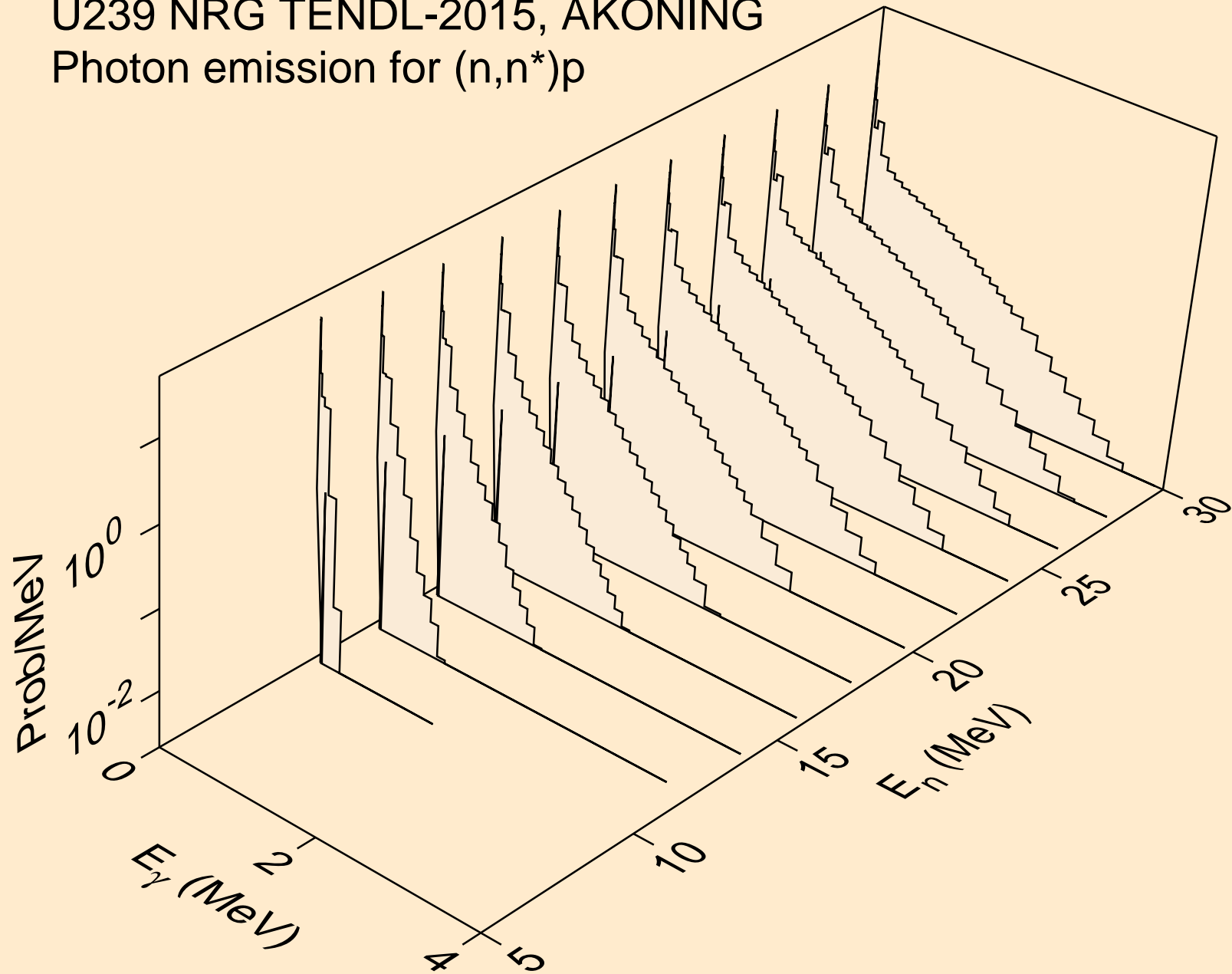
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



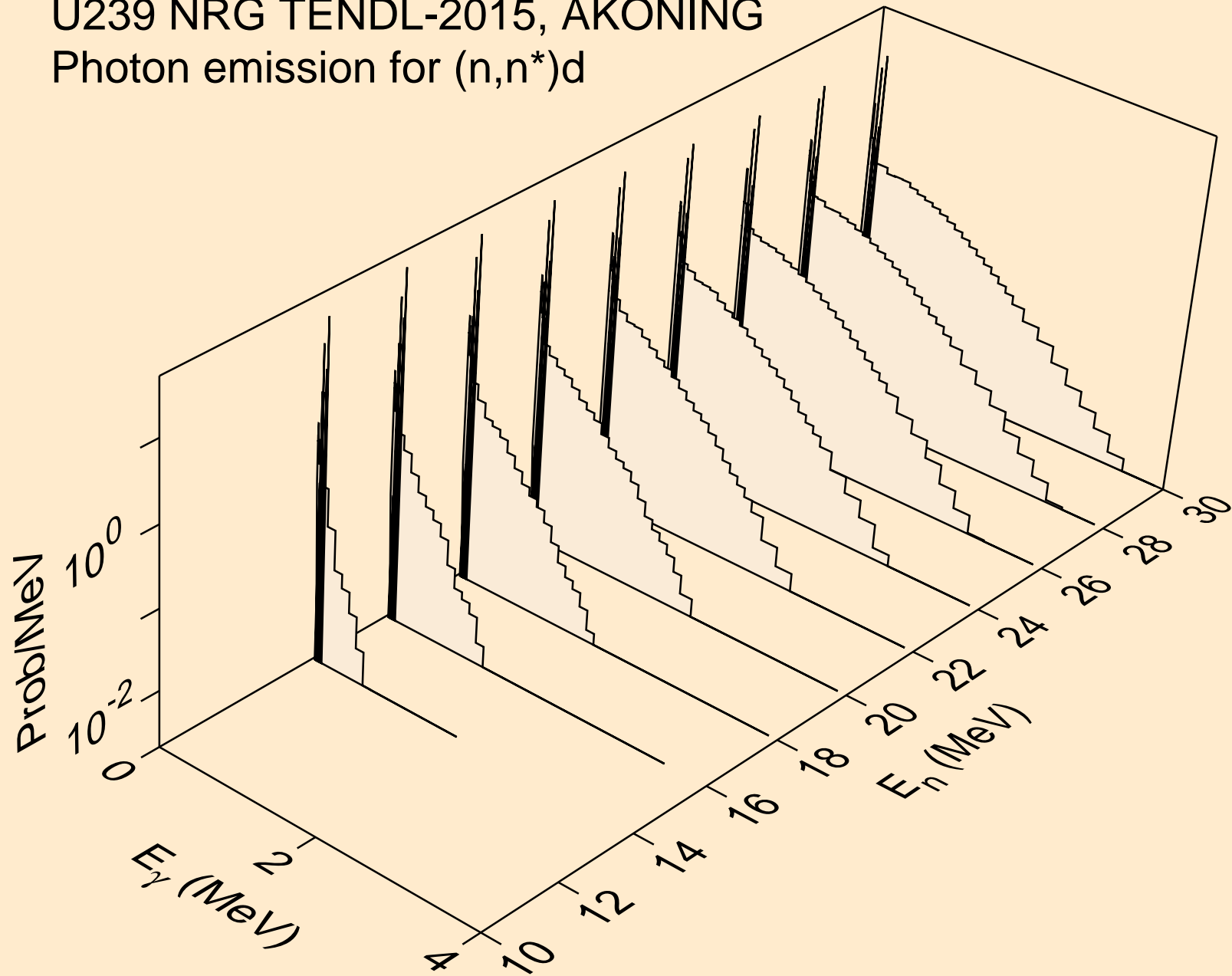
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



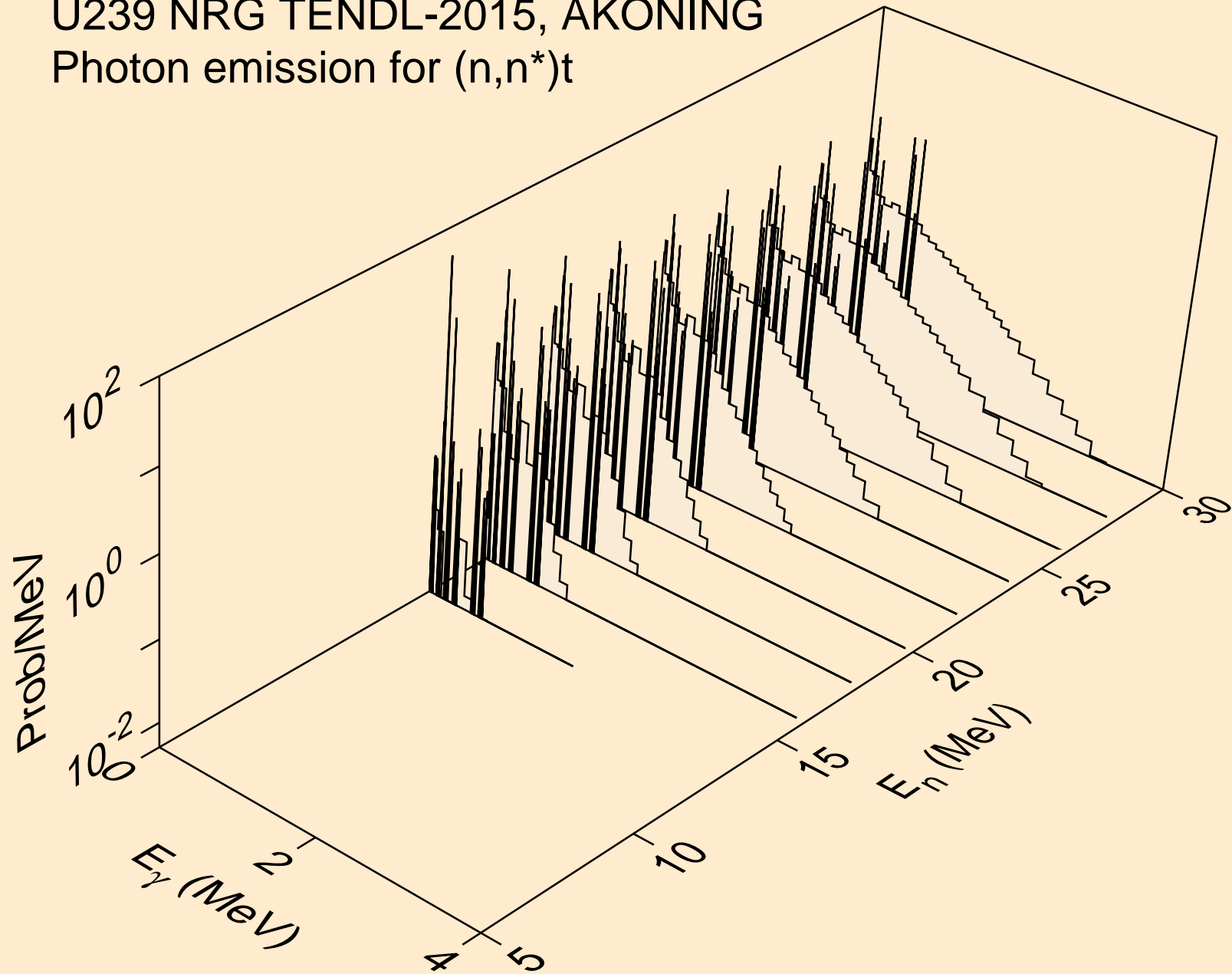
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



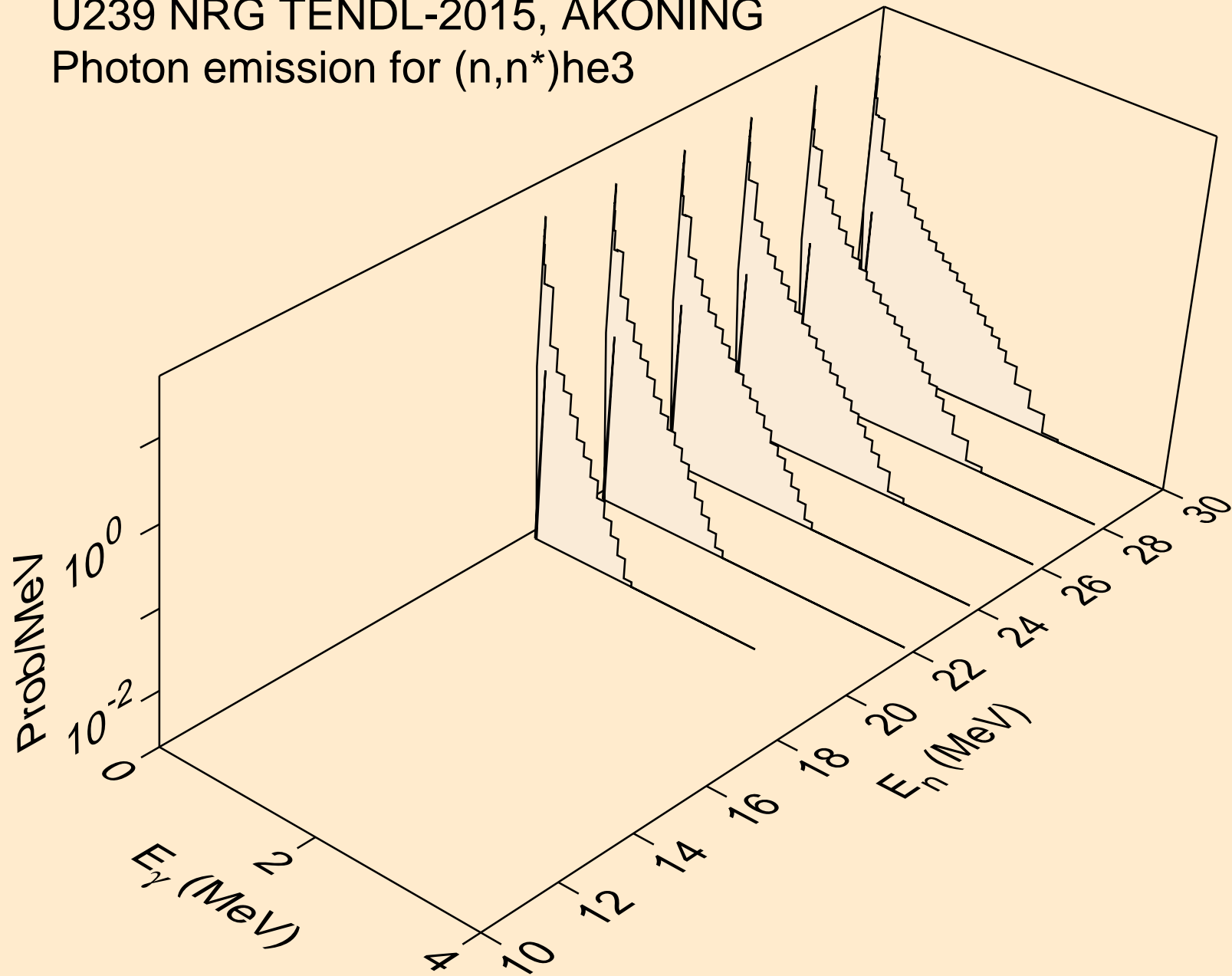
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



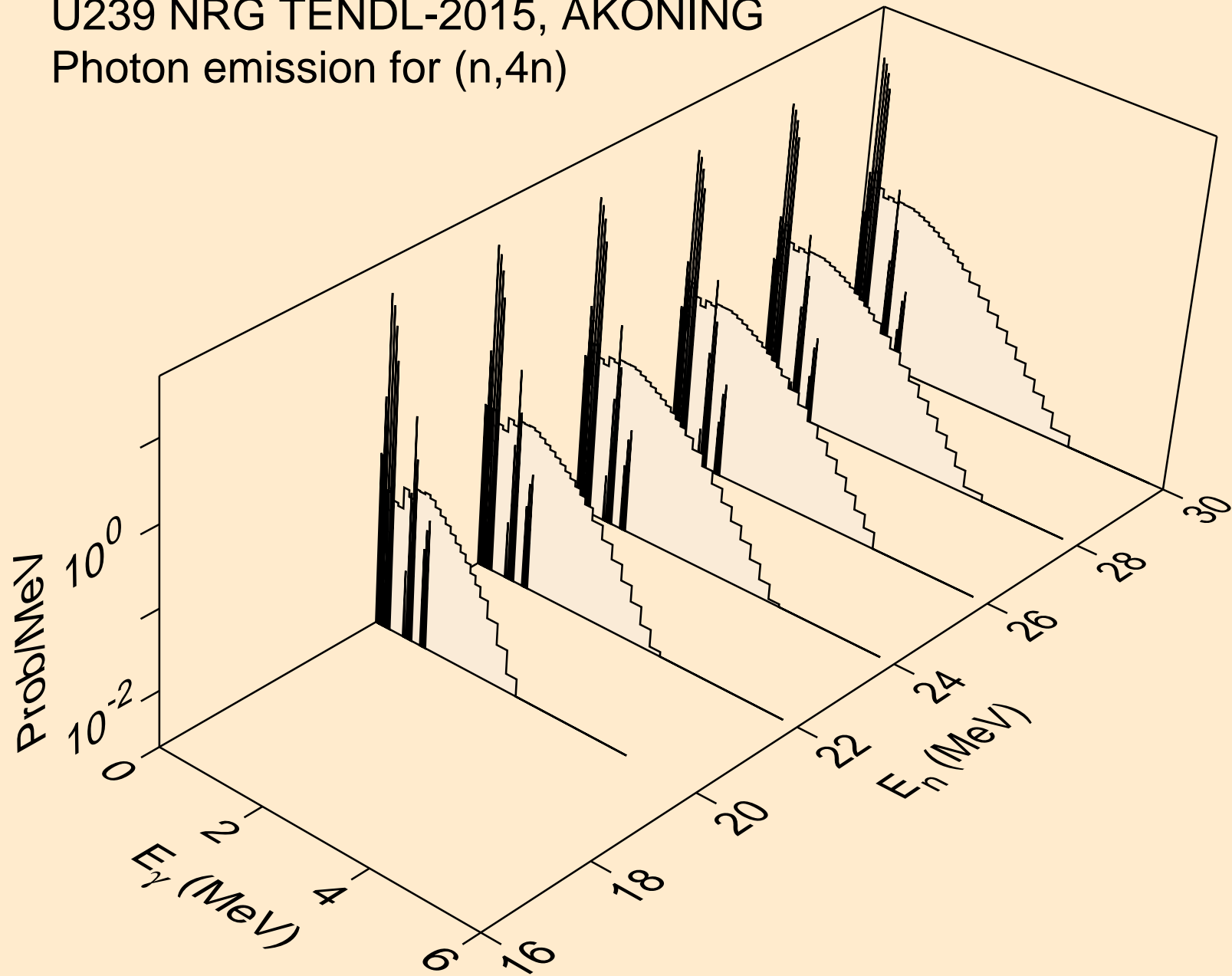
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



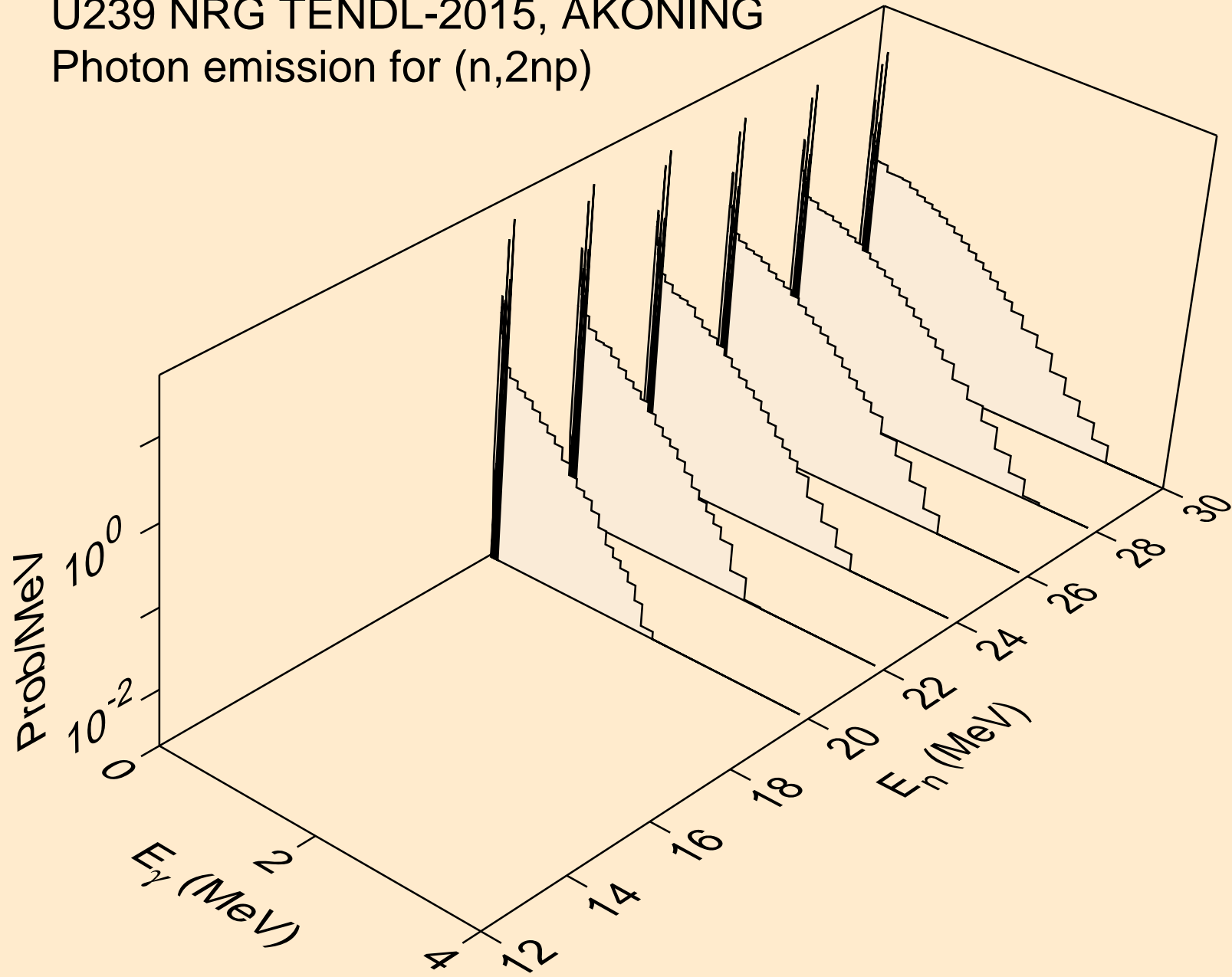
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



U239 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

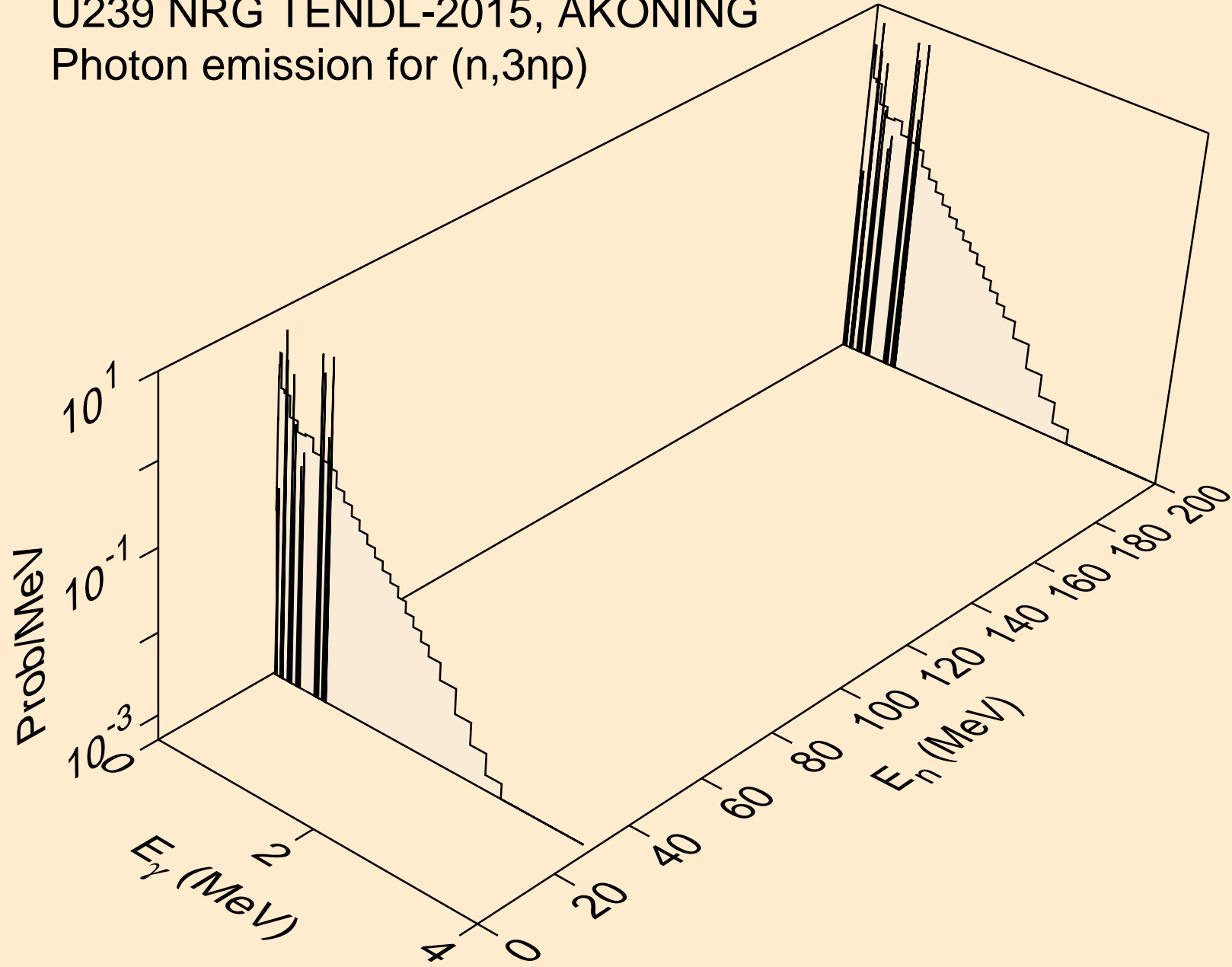


U239 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

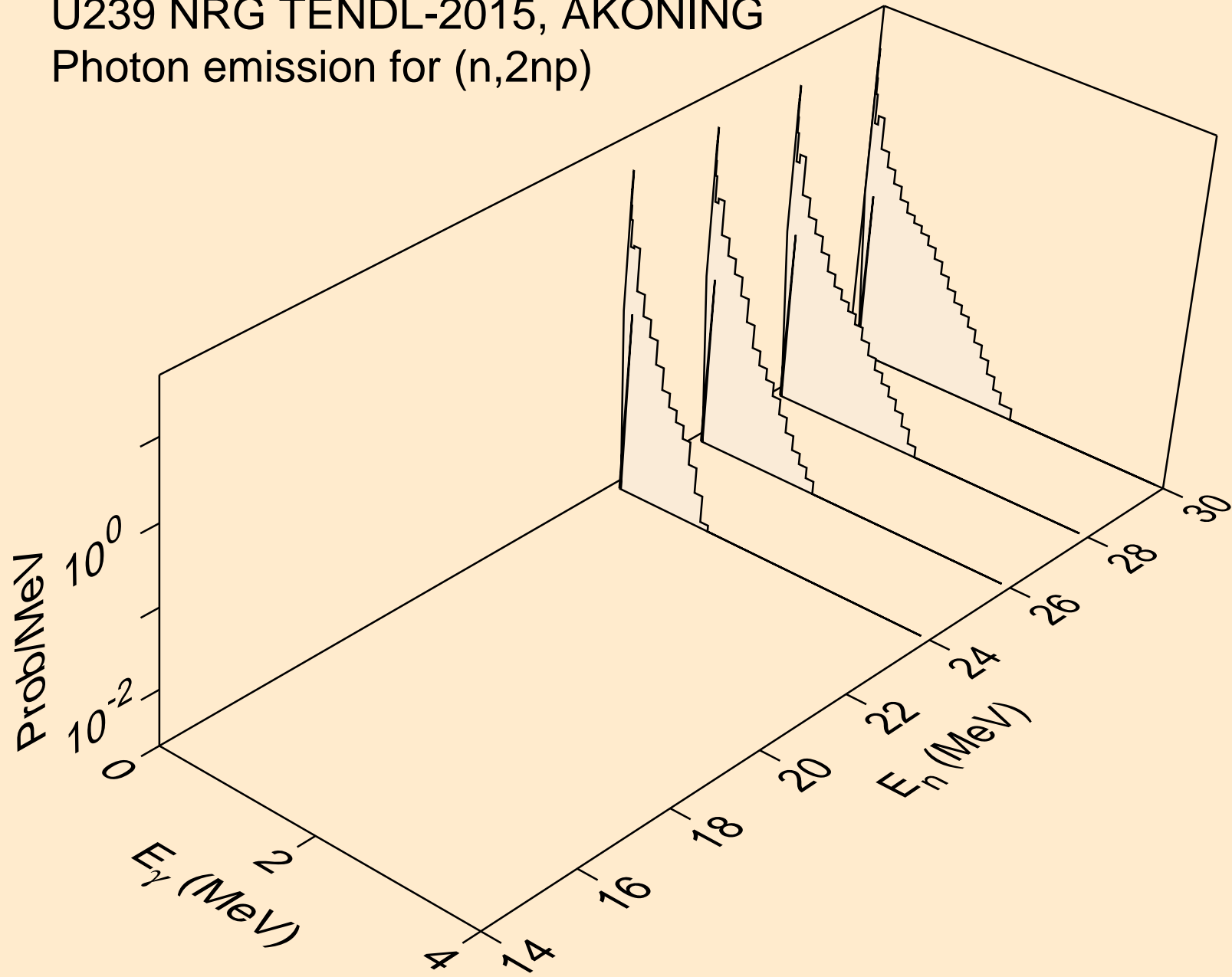




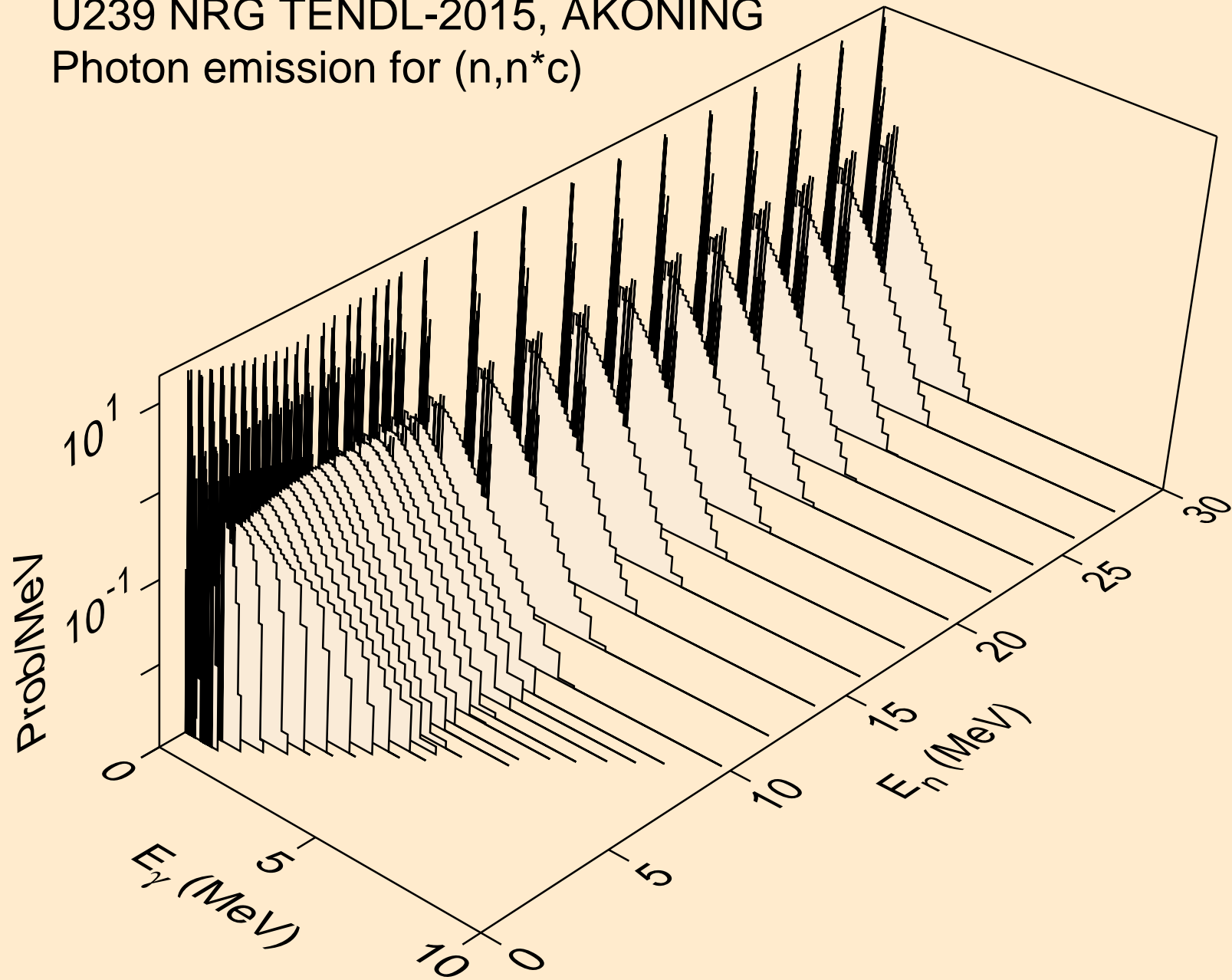
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



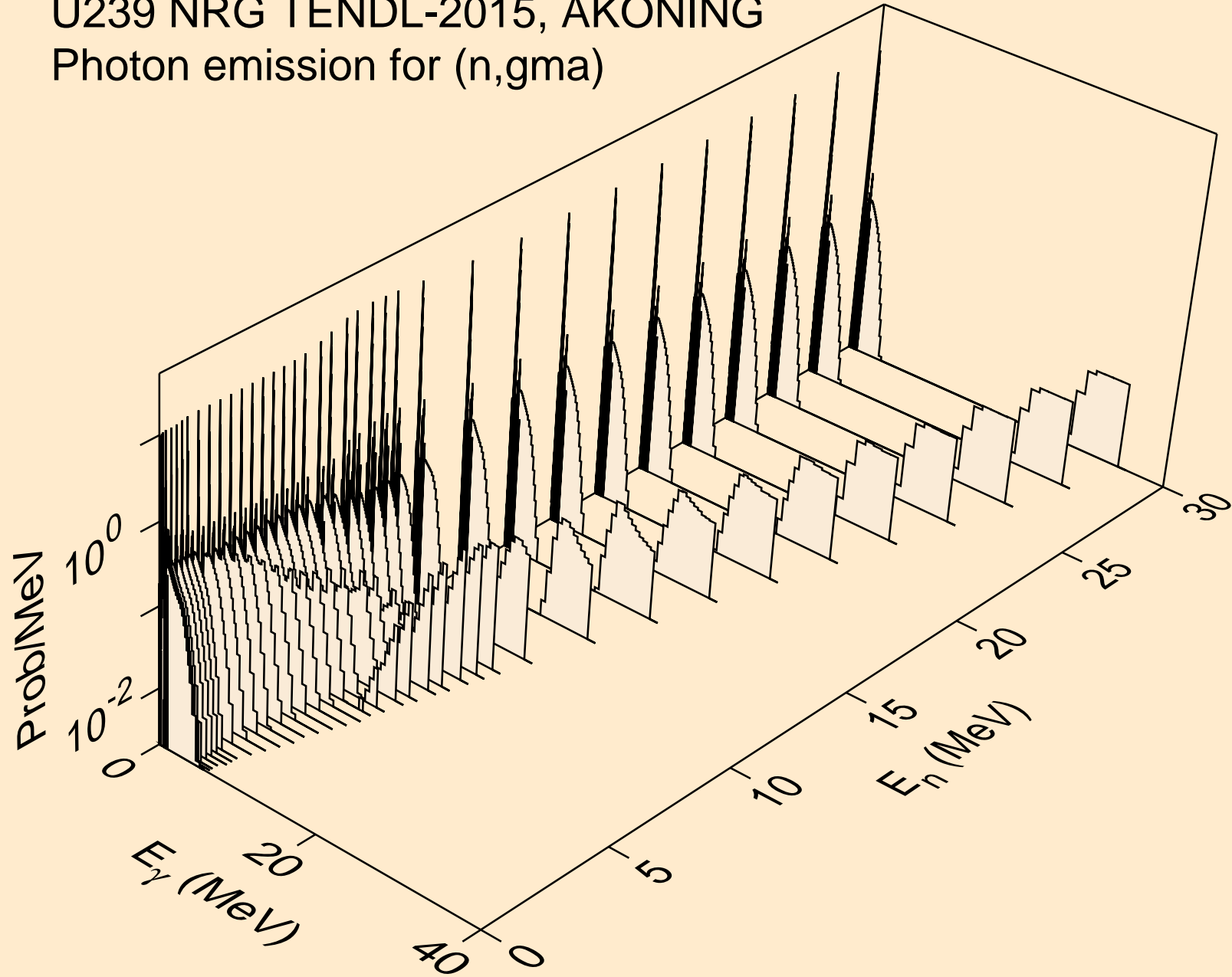
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



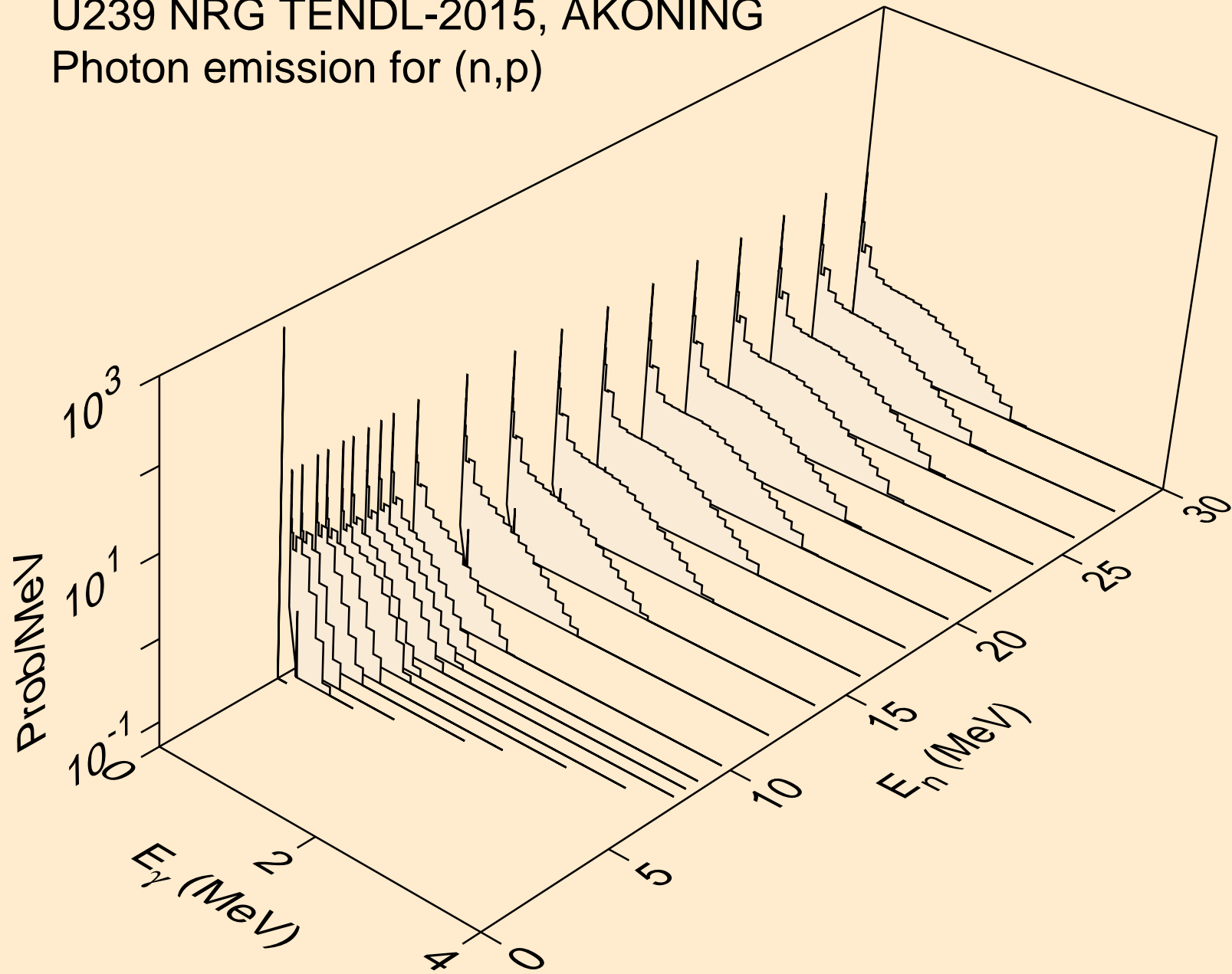
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



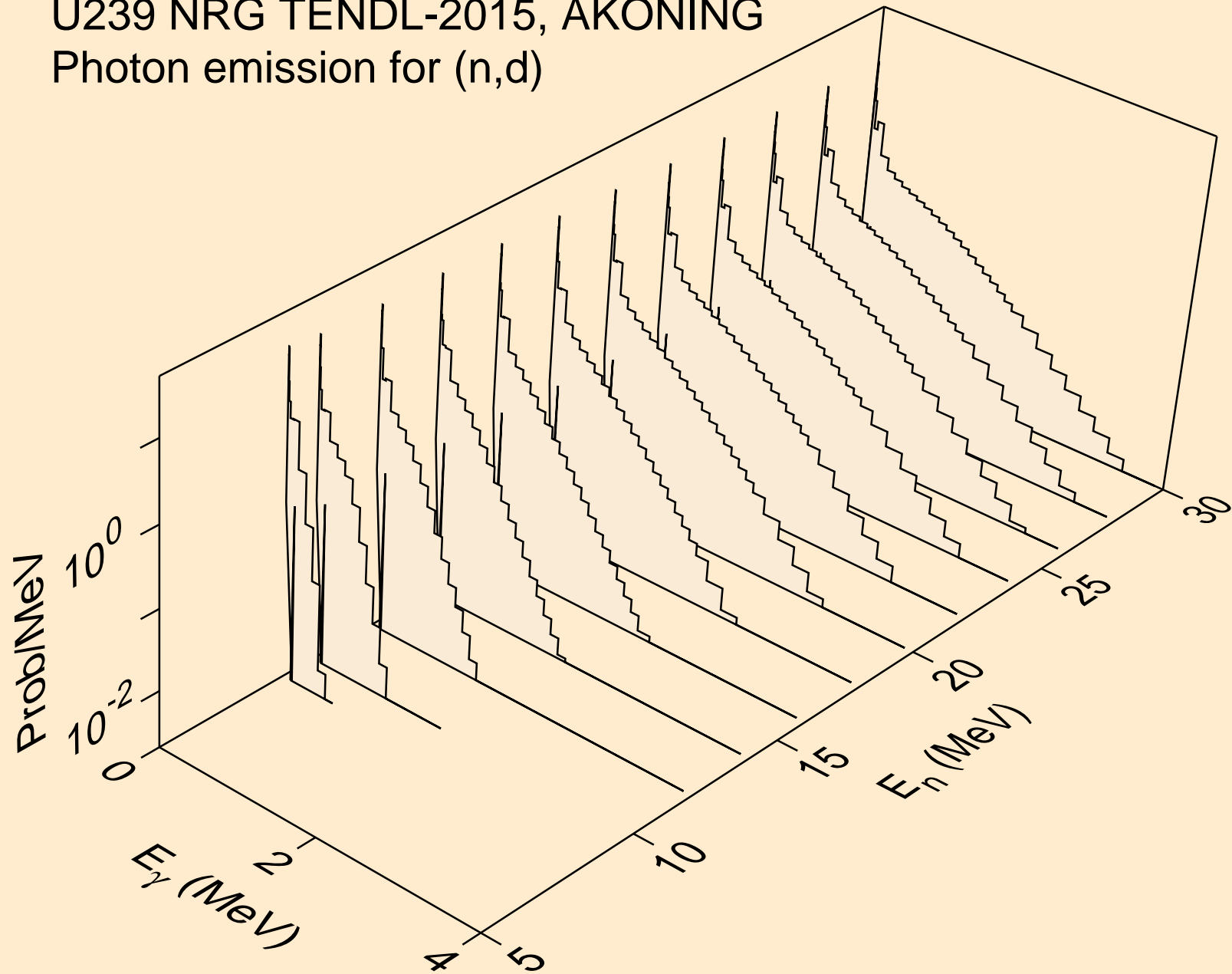
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



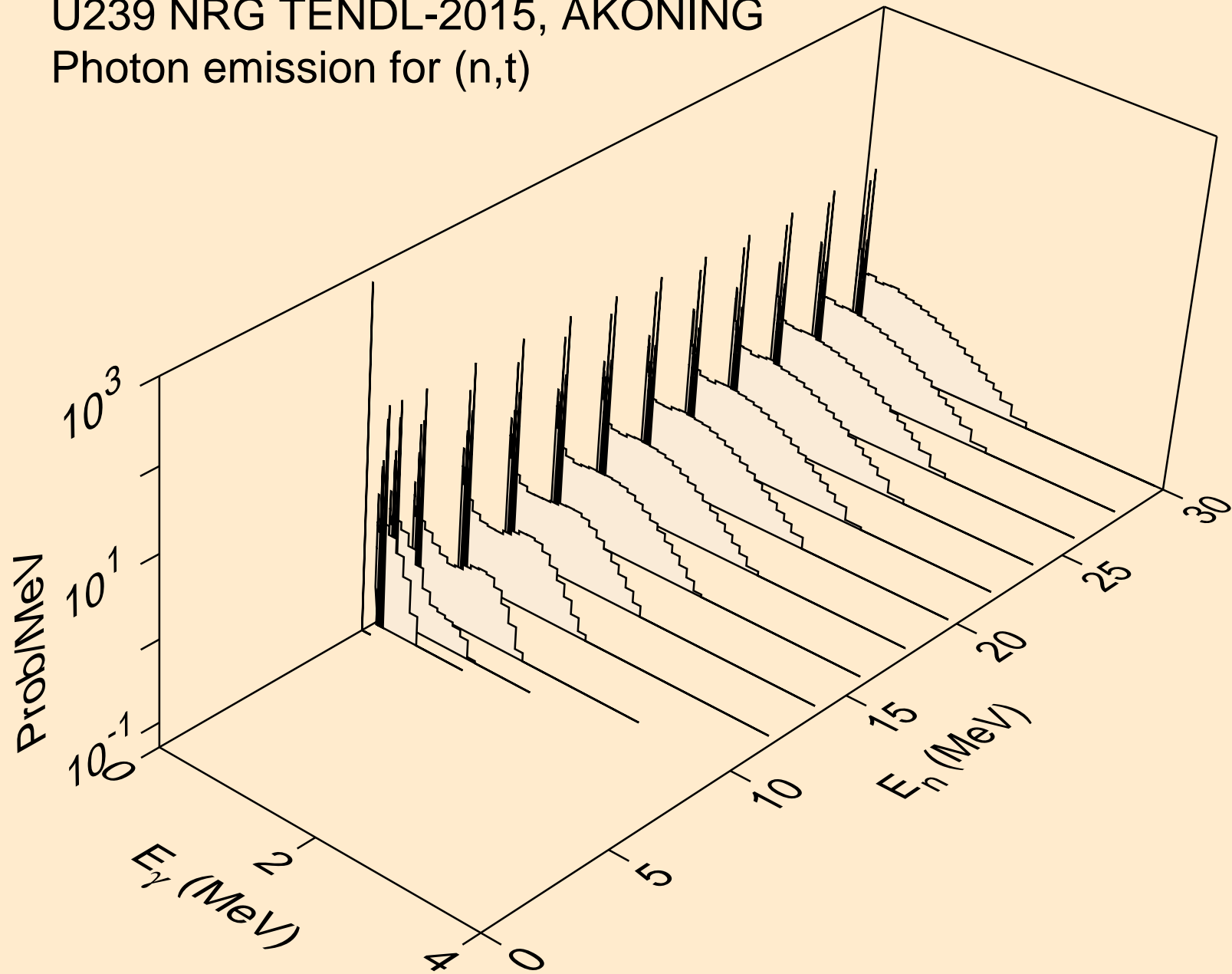
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



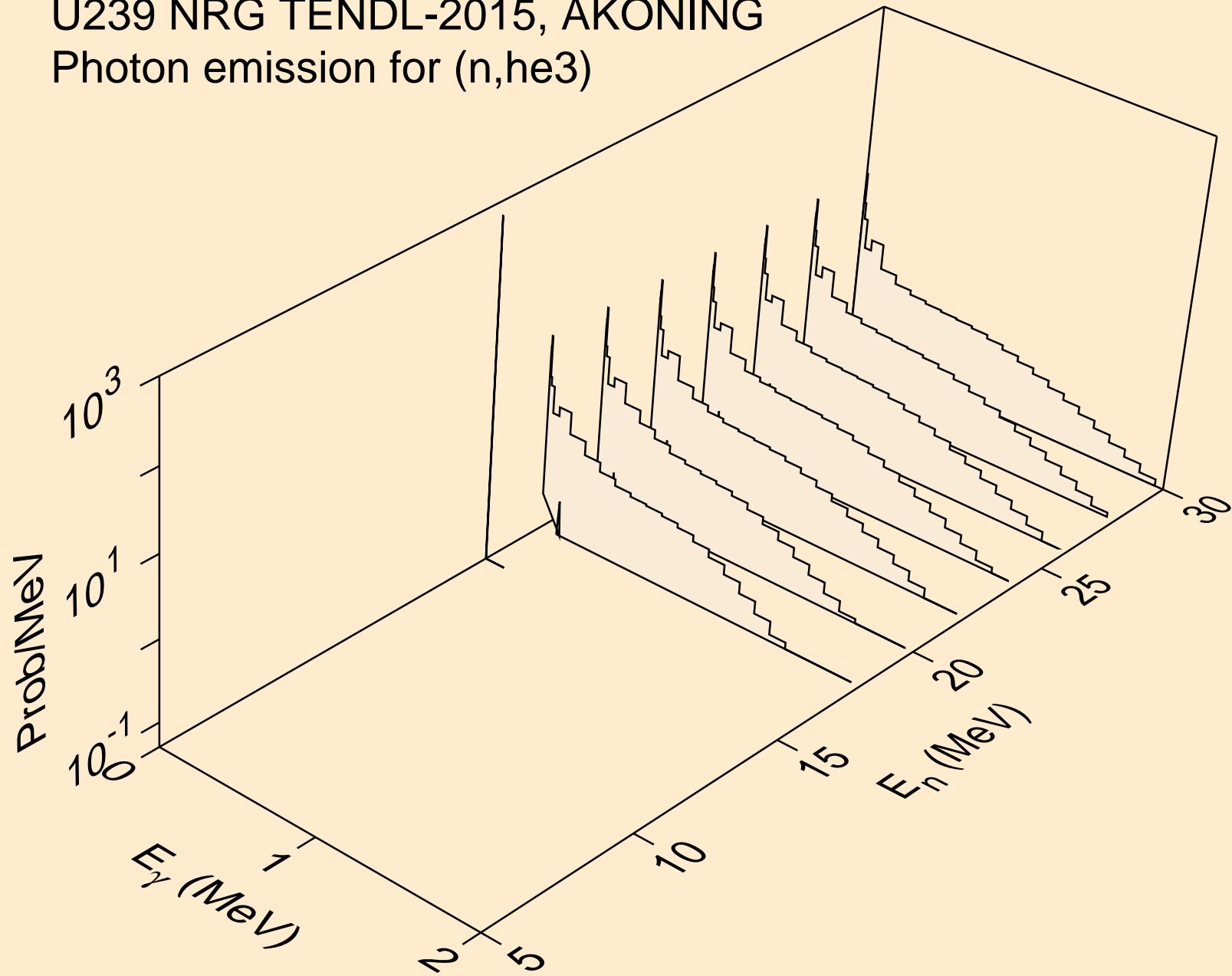
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



U239 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

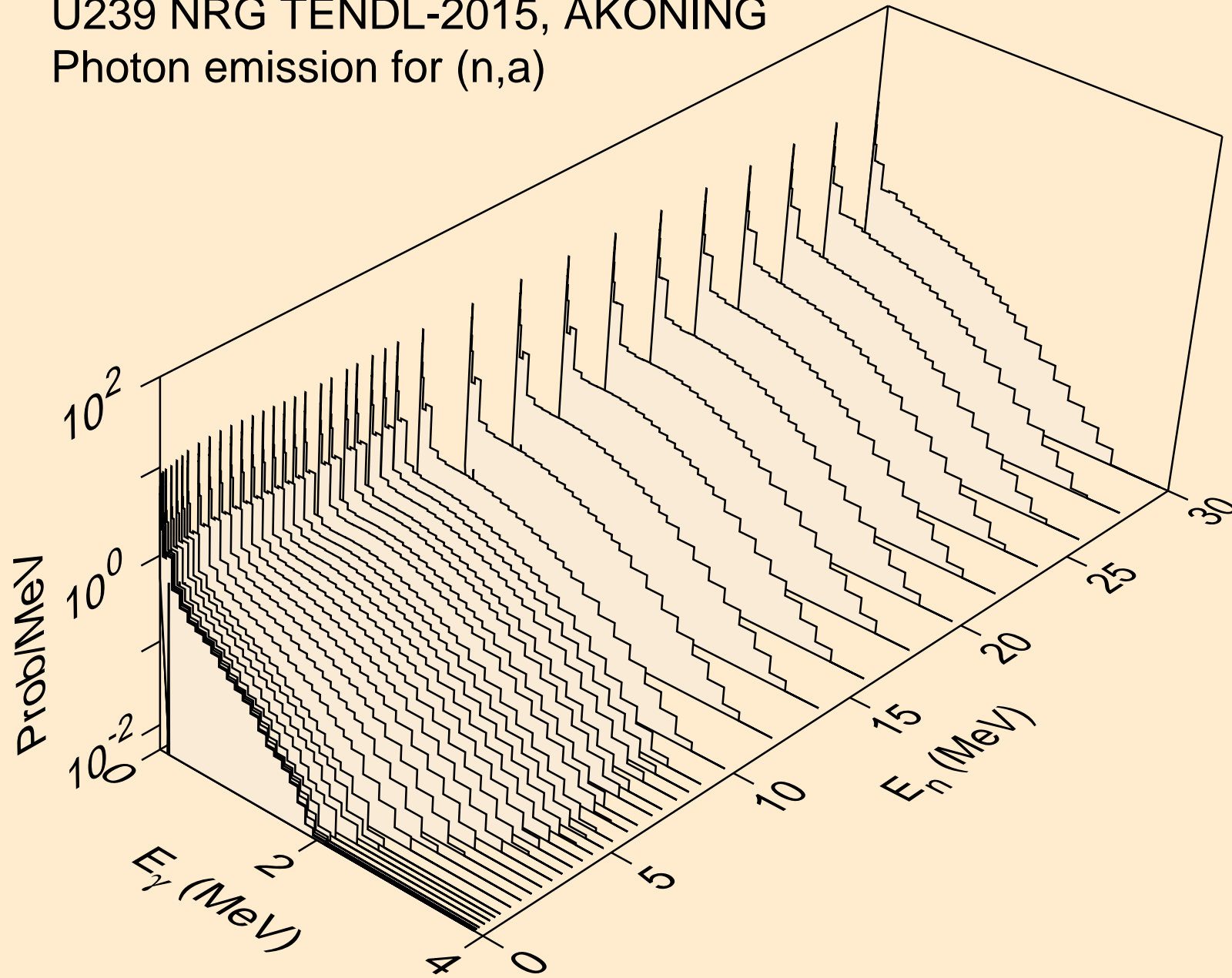


U239 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

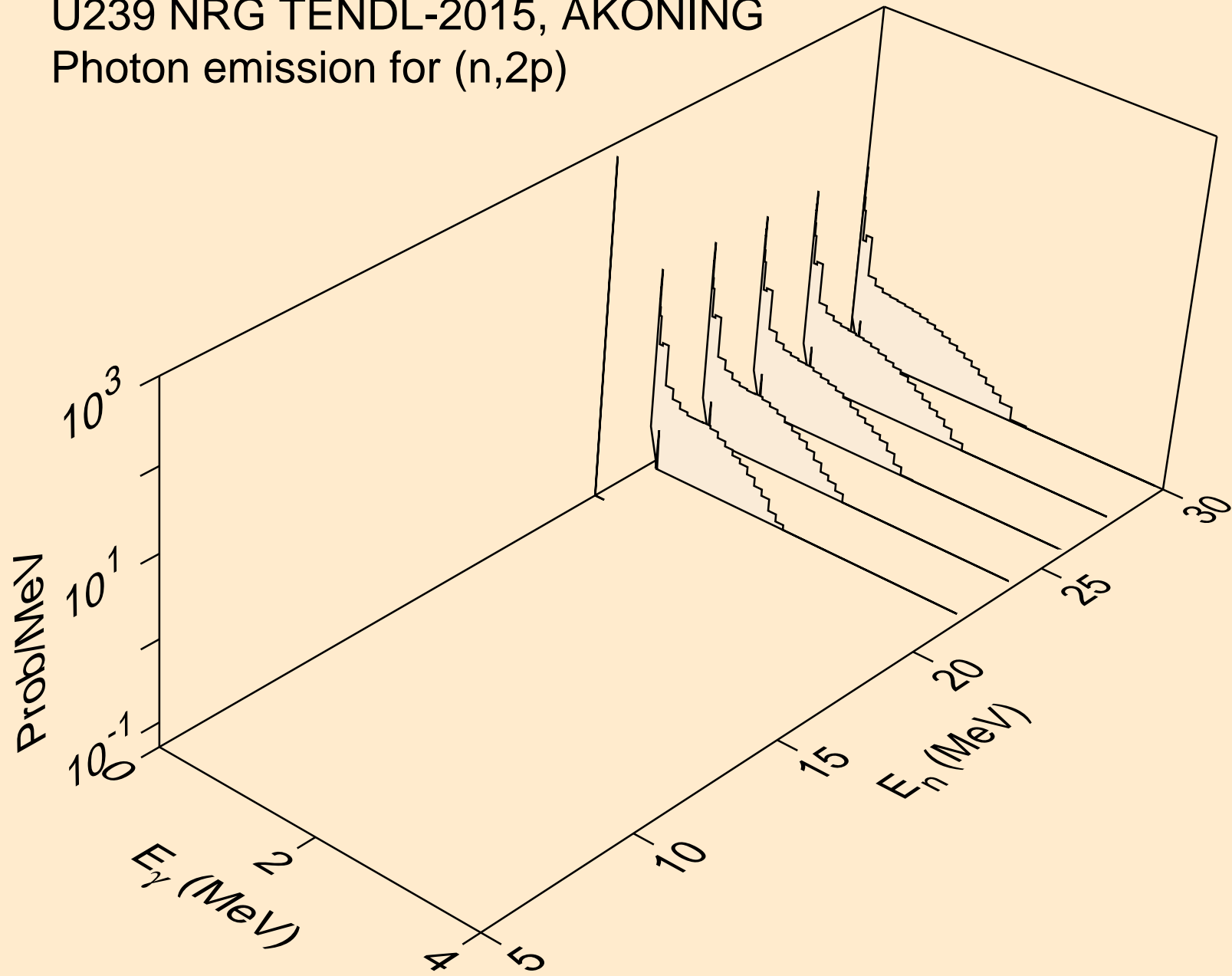




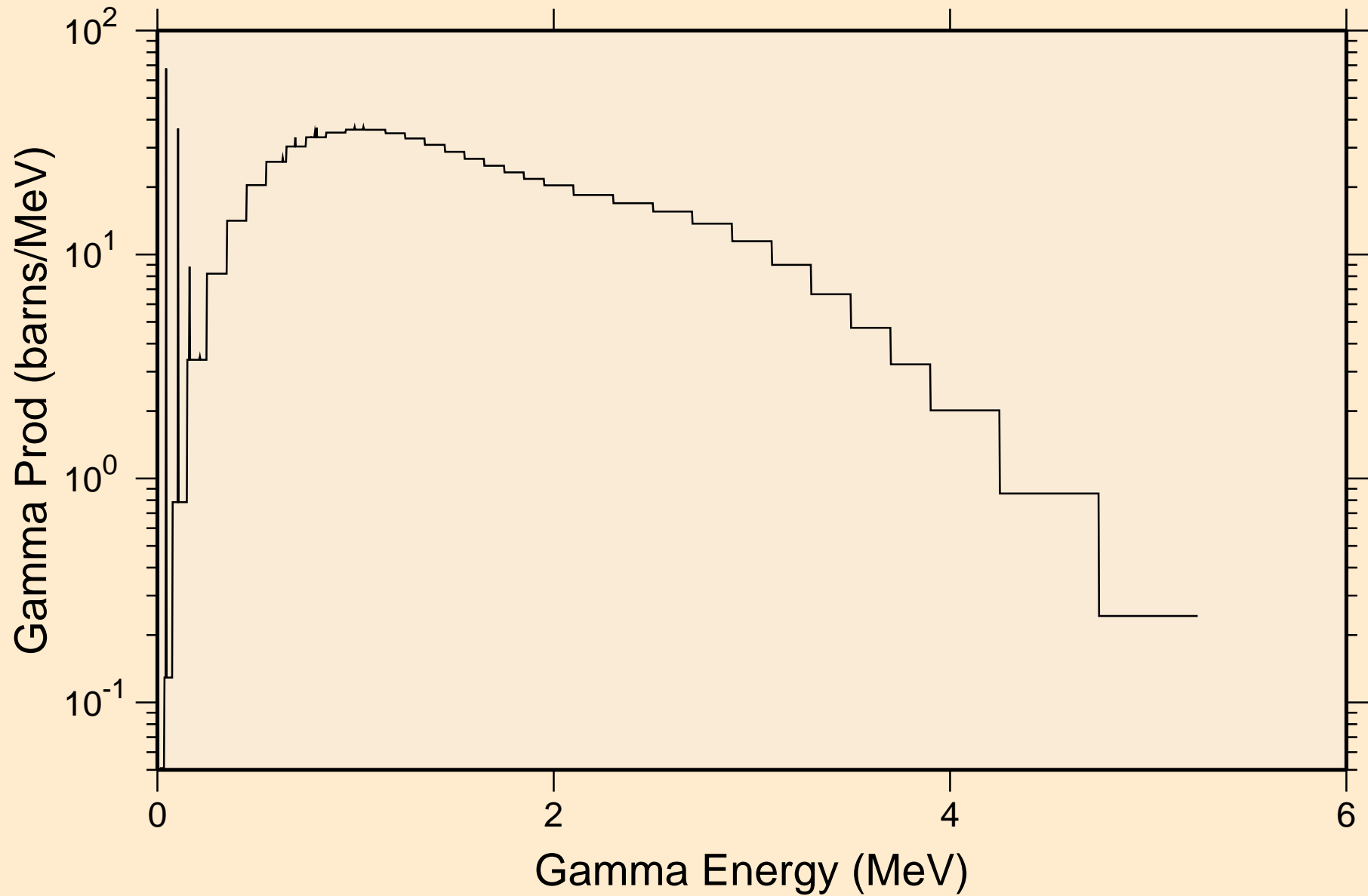
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



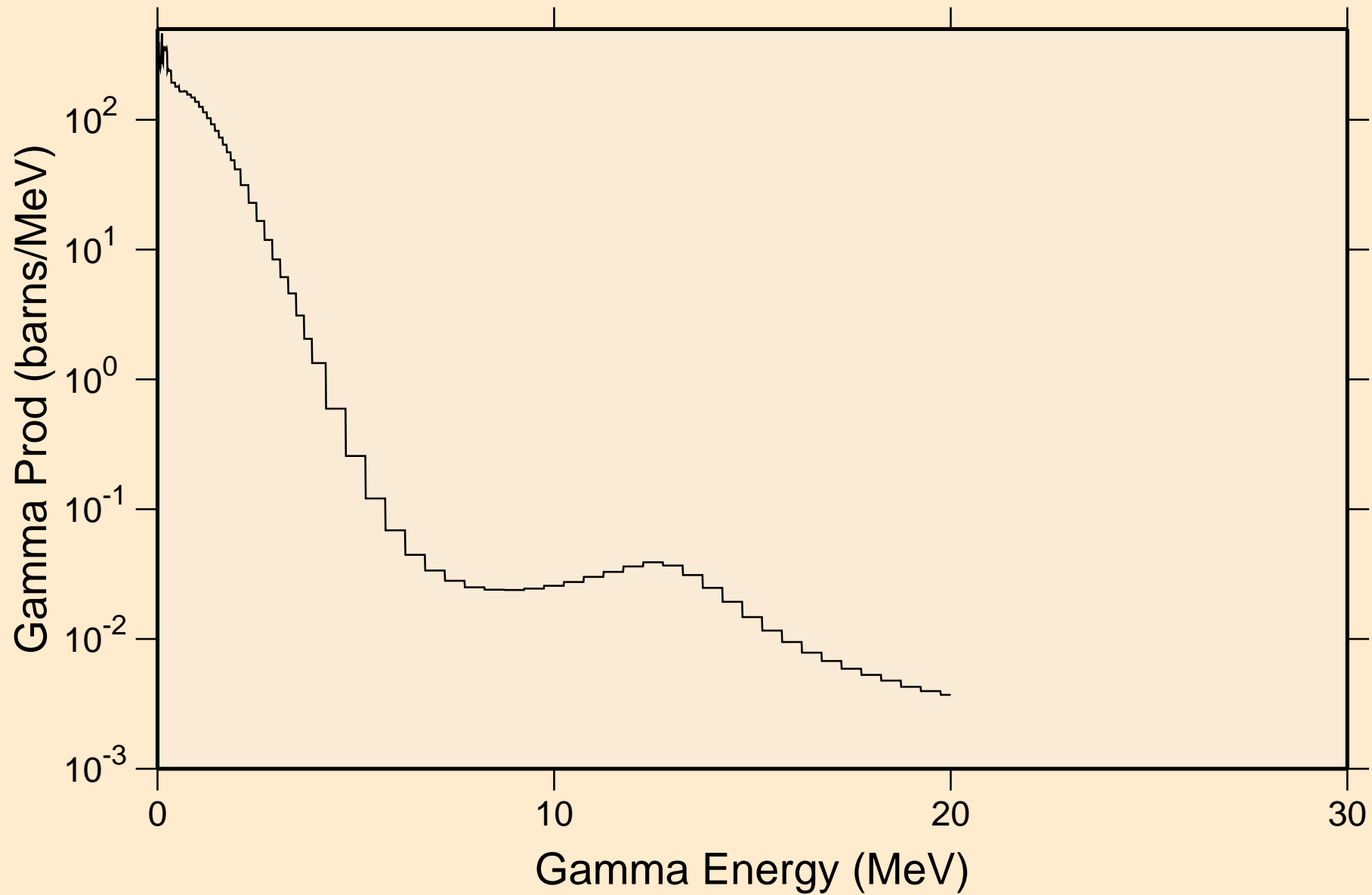
U239 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



U239 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

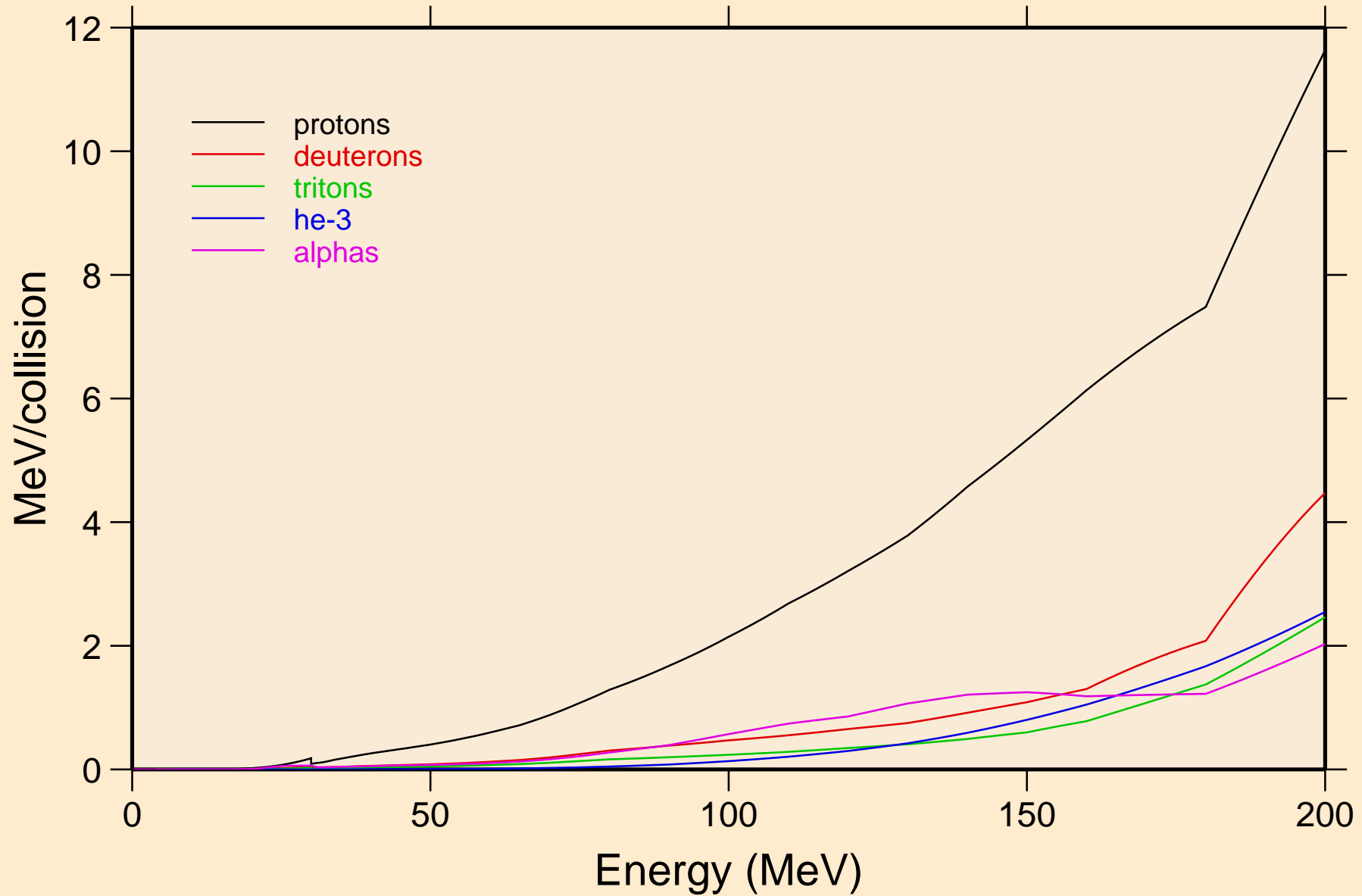


U239 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



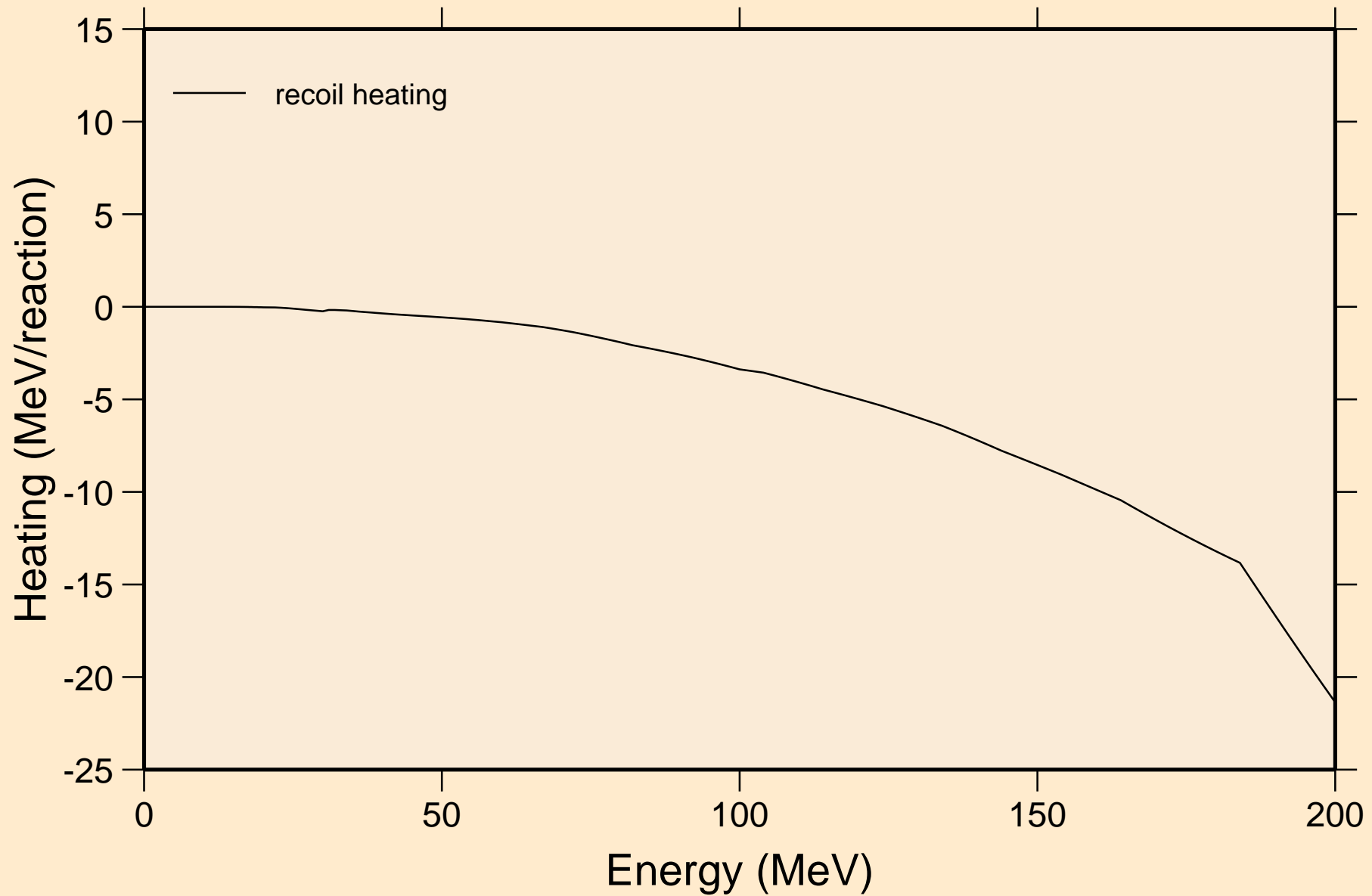
# U239 NRG TENDL-2015, AKONING

## Particle heating contributions



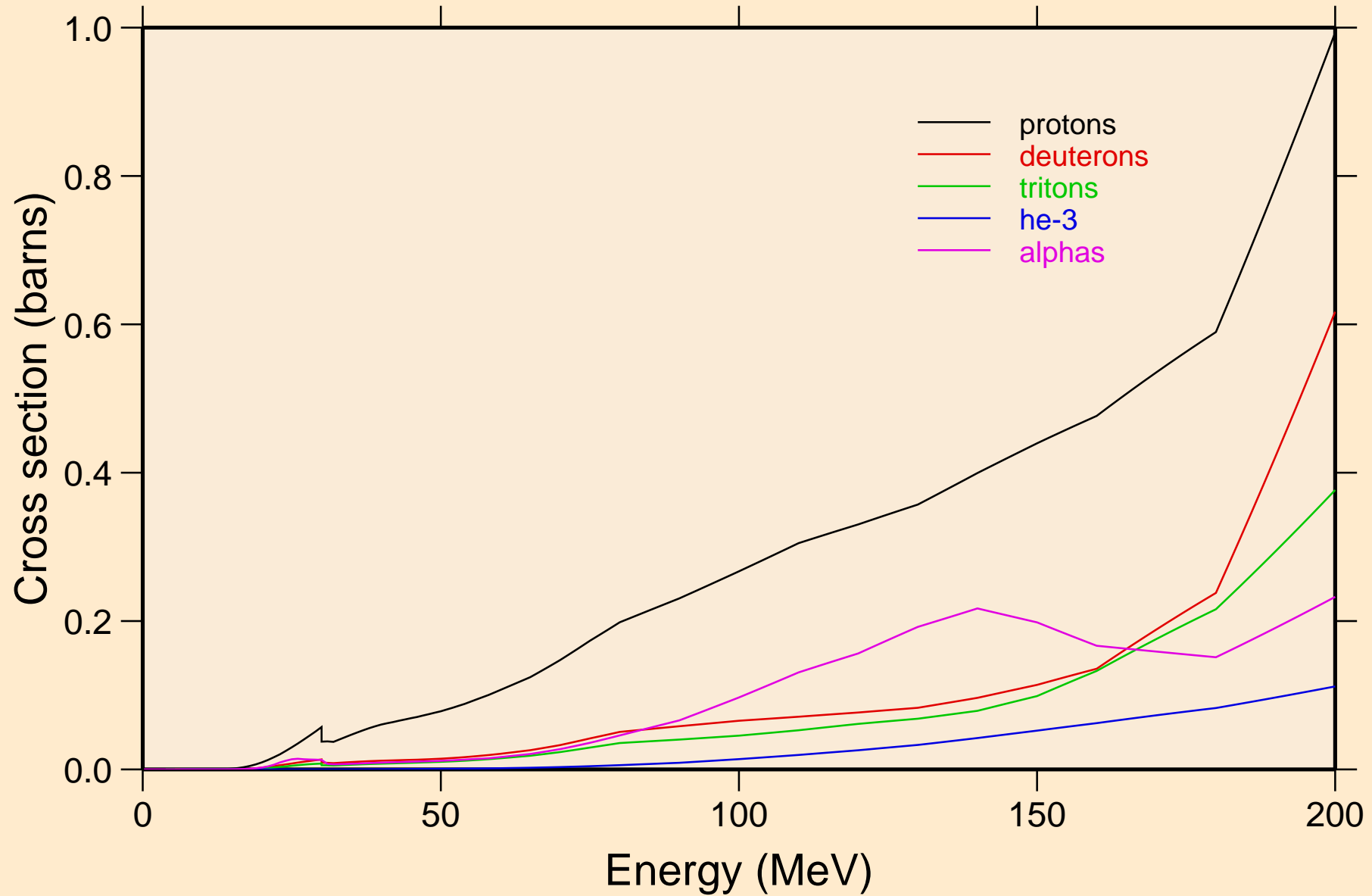
# U239 NRG TENDL-2015, AKONING

## Recoil Heating

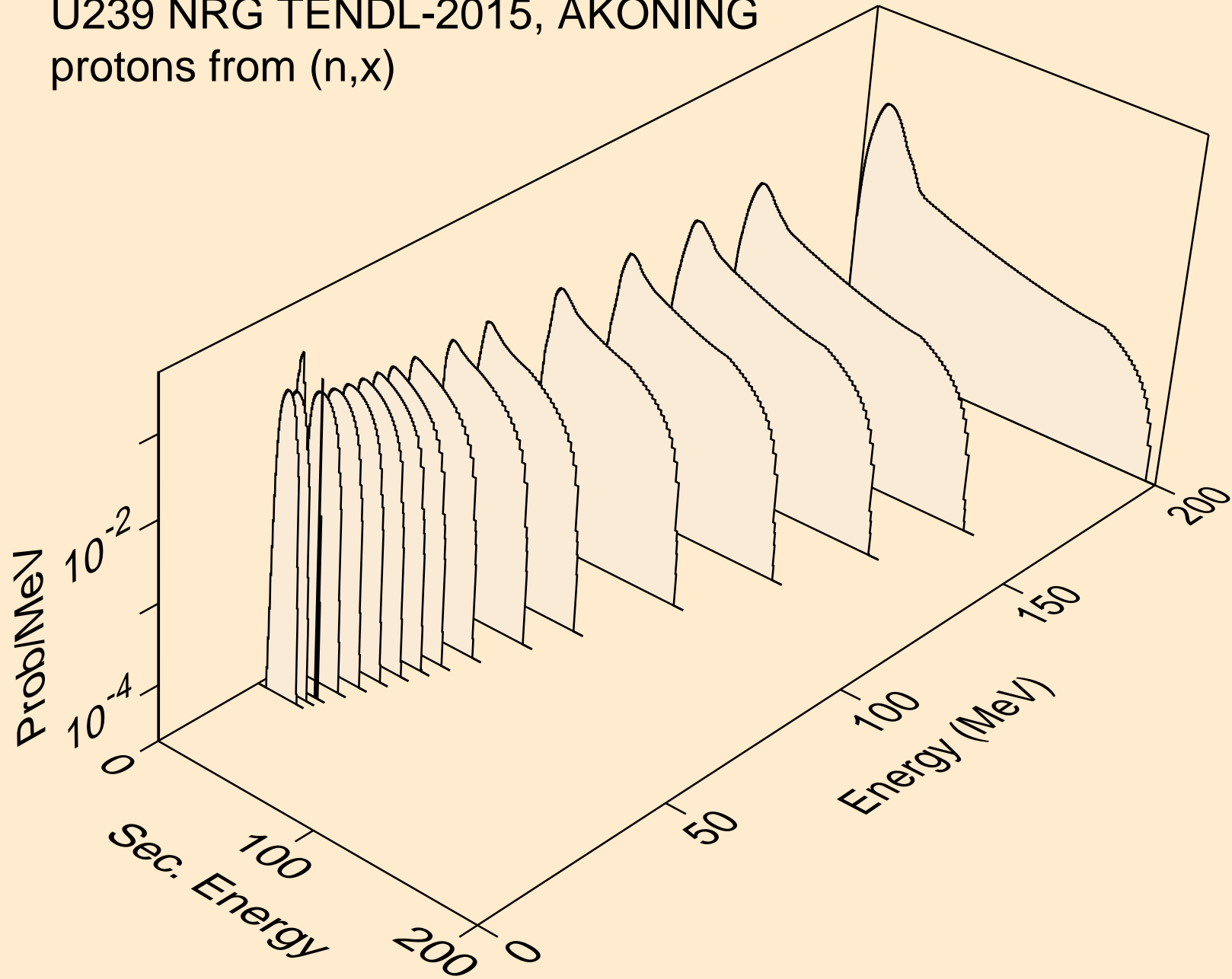


# U239 NRG TENDL-2015, AKONING

## Particle production cross sections

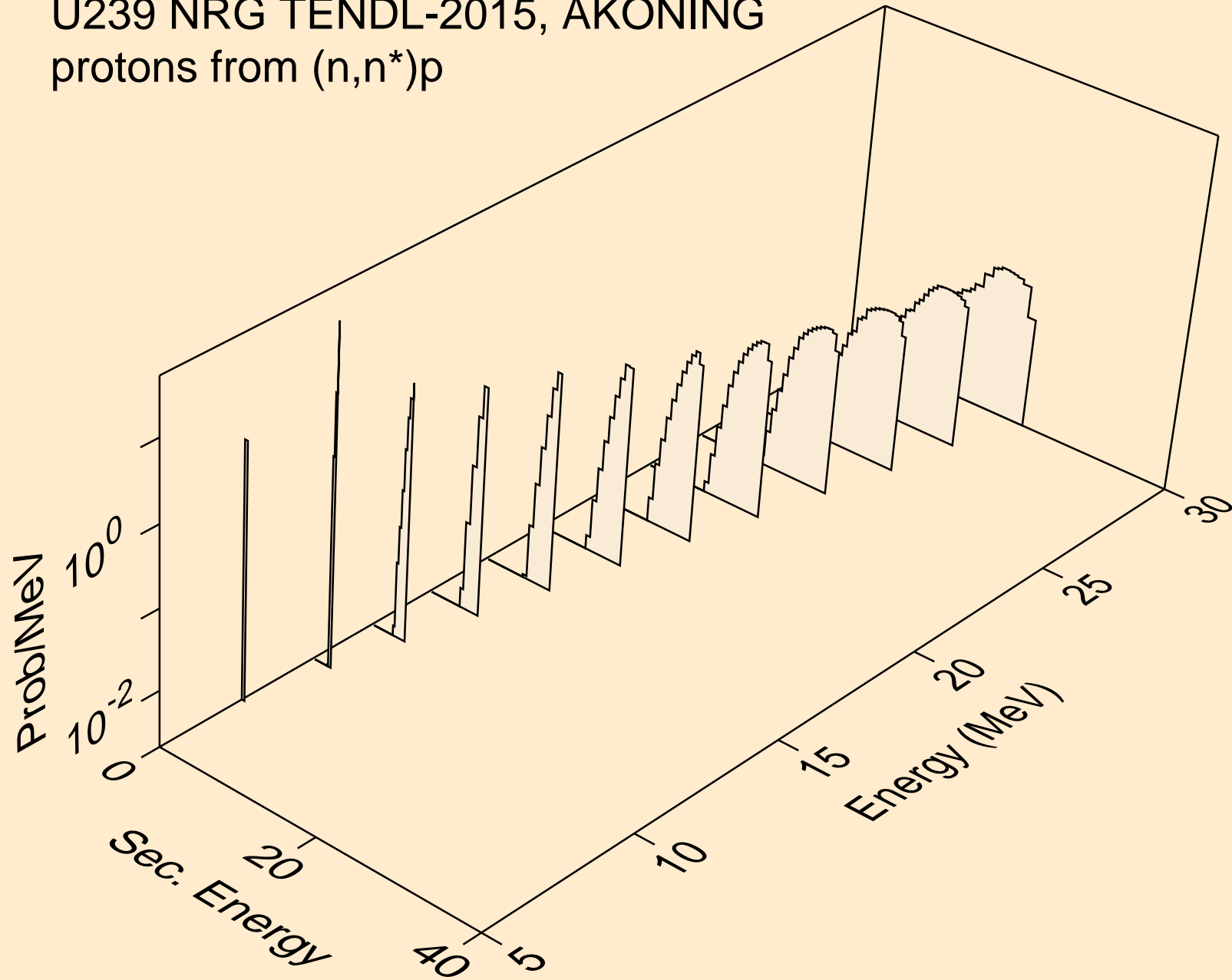


U239 NRG TENDL-2015, AKONING  
protons from (n,x)

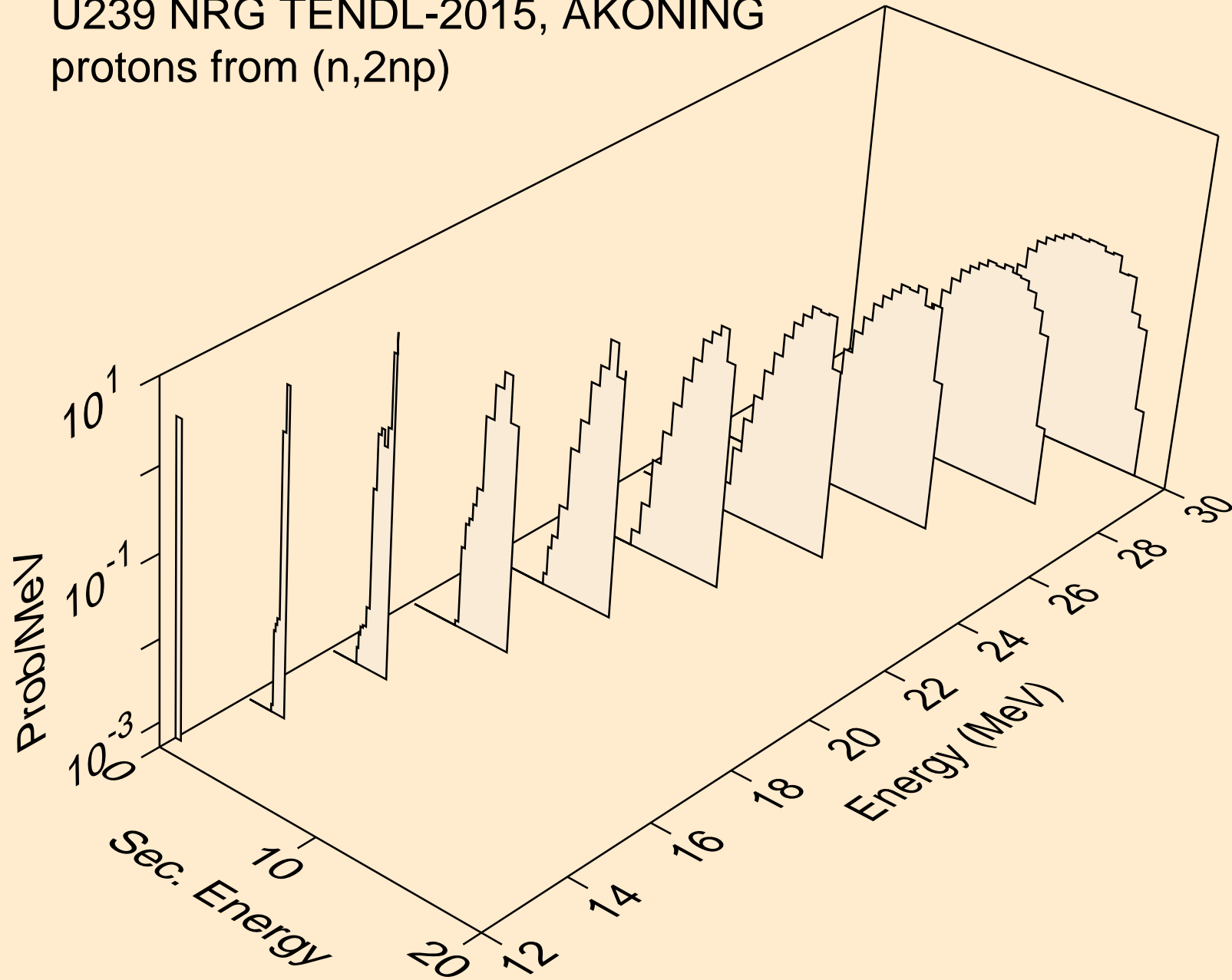




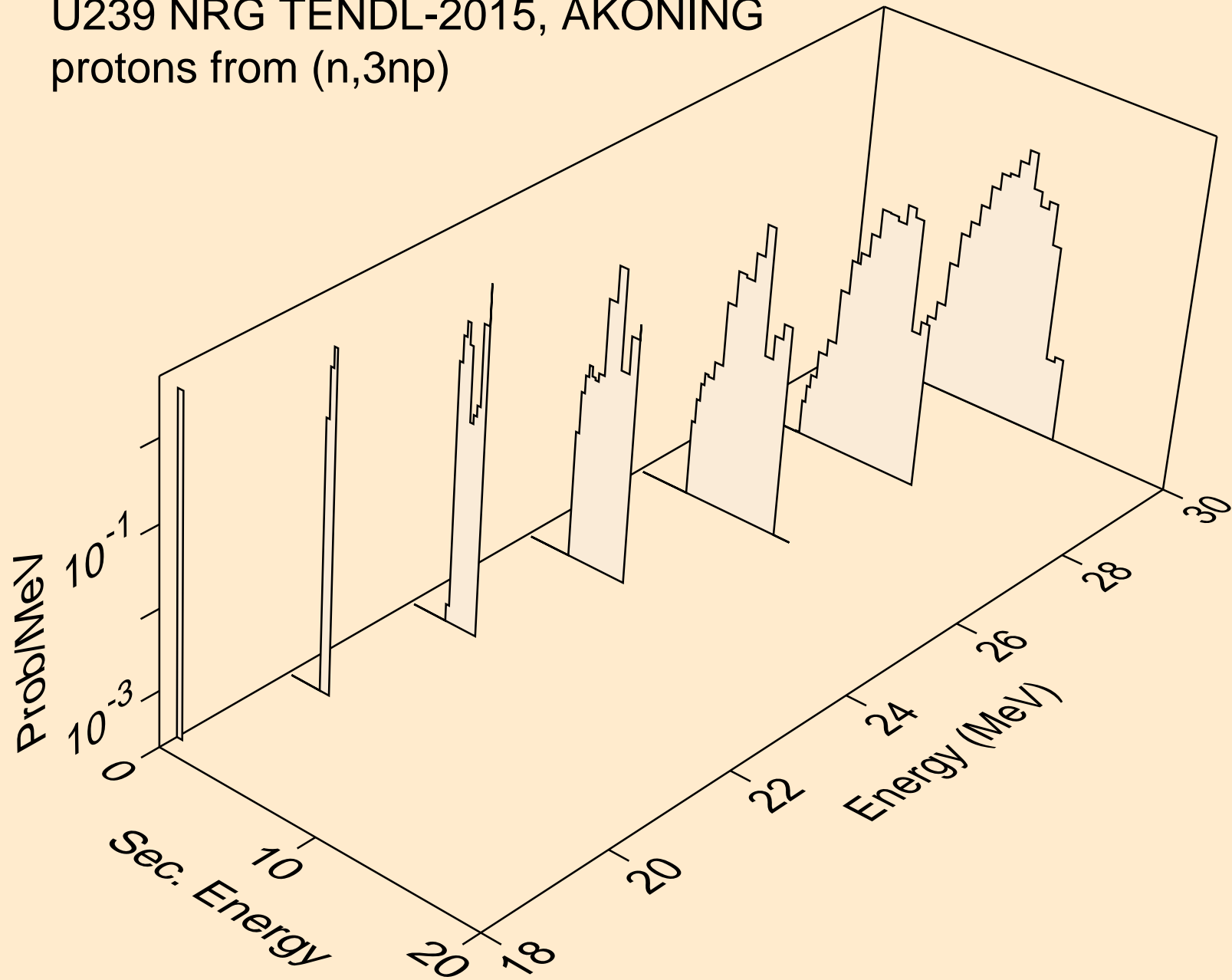
U239 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



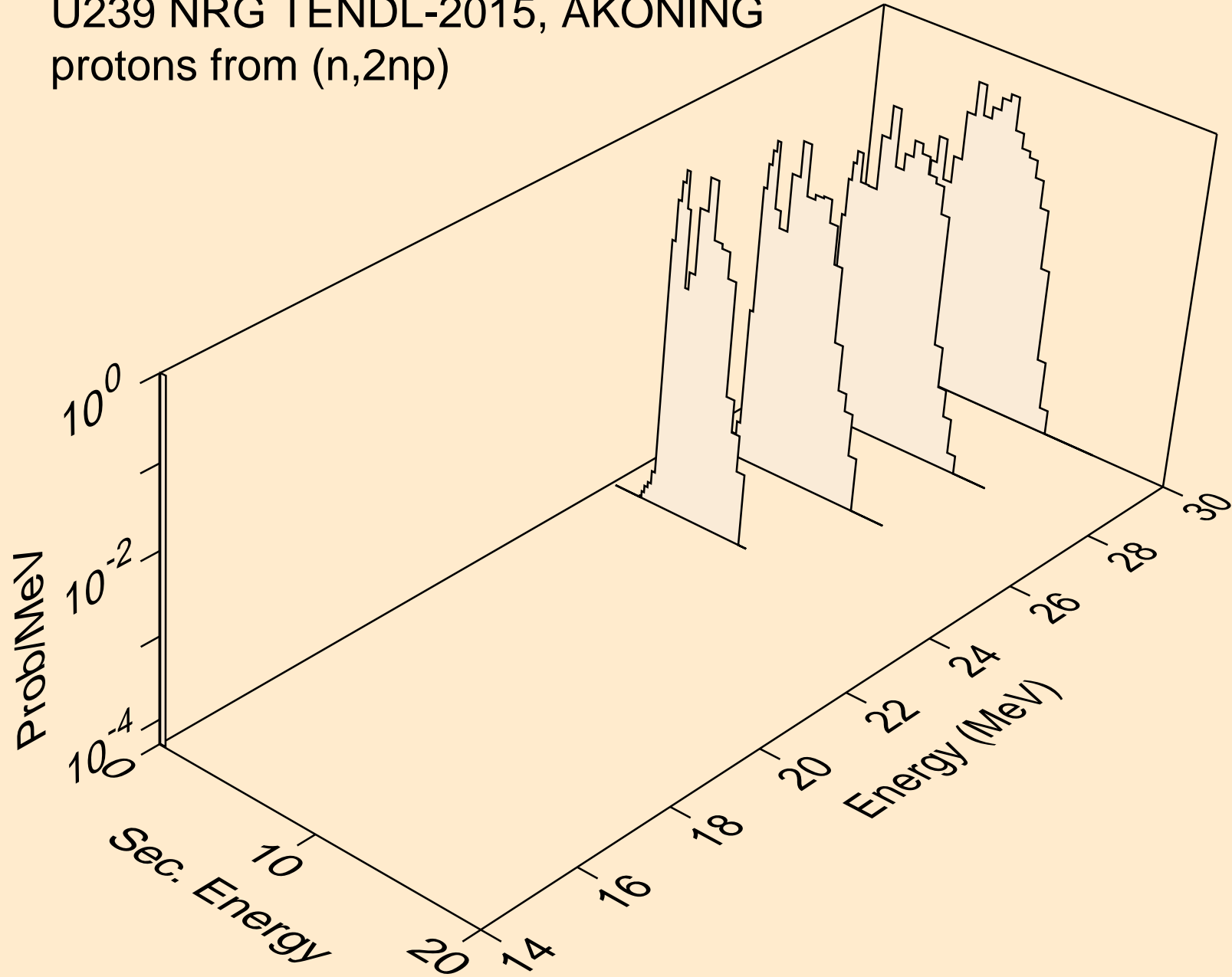
U239 NRG TENDL-2015, AKONING  
protons from (n,2np)



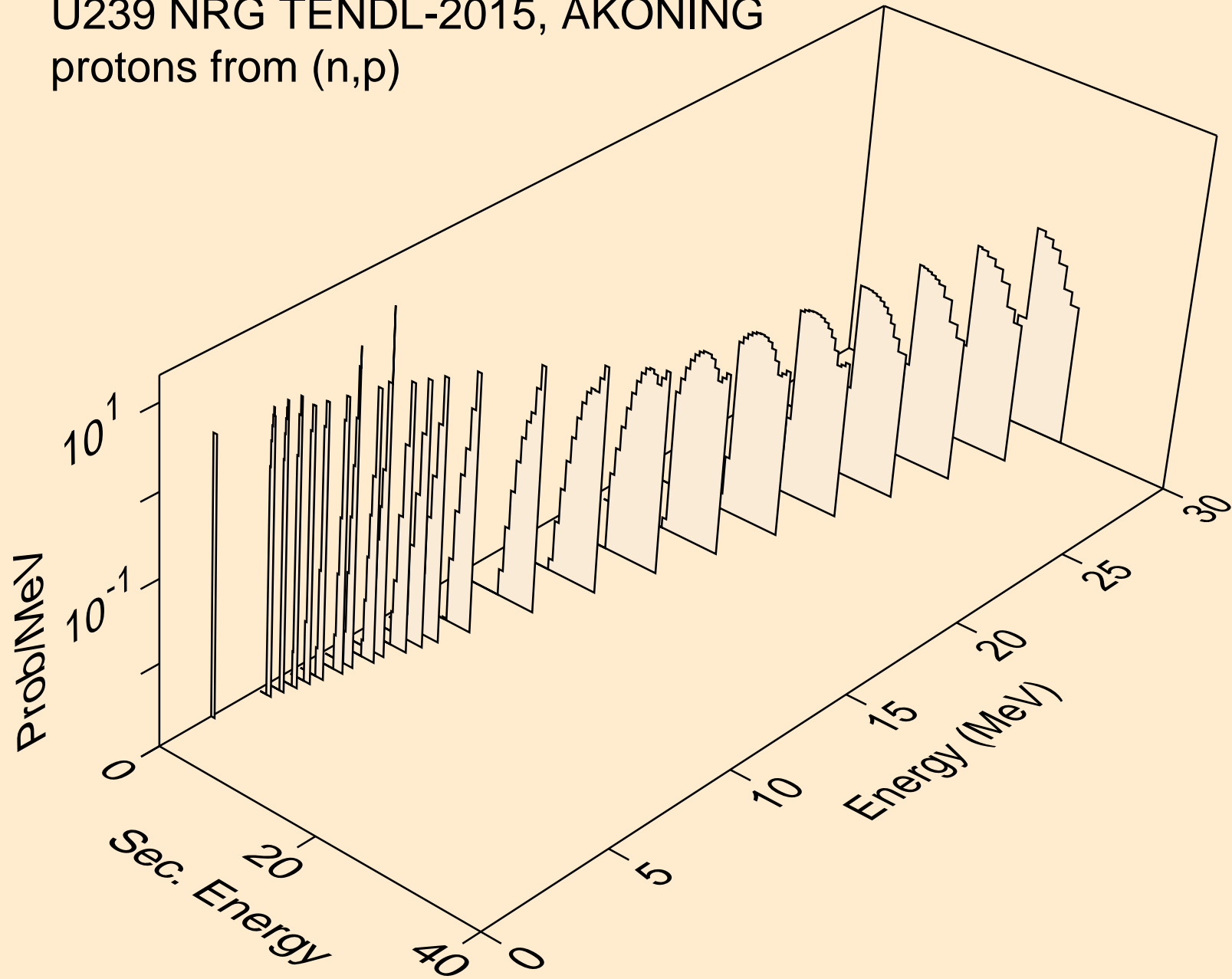
U239 NRG TENDL-2015, AKONING  
protons from (n,3np)



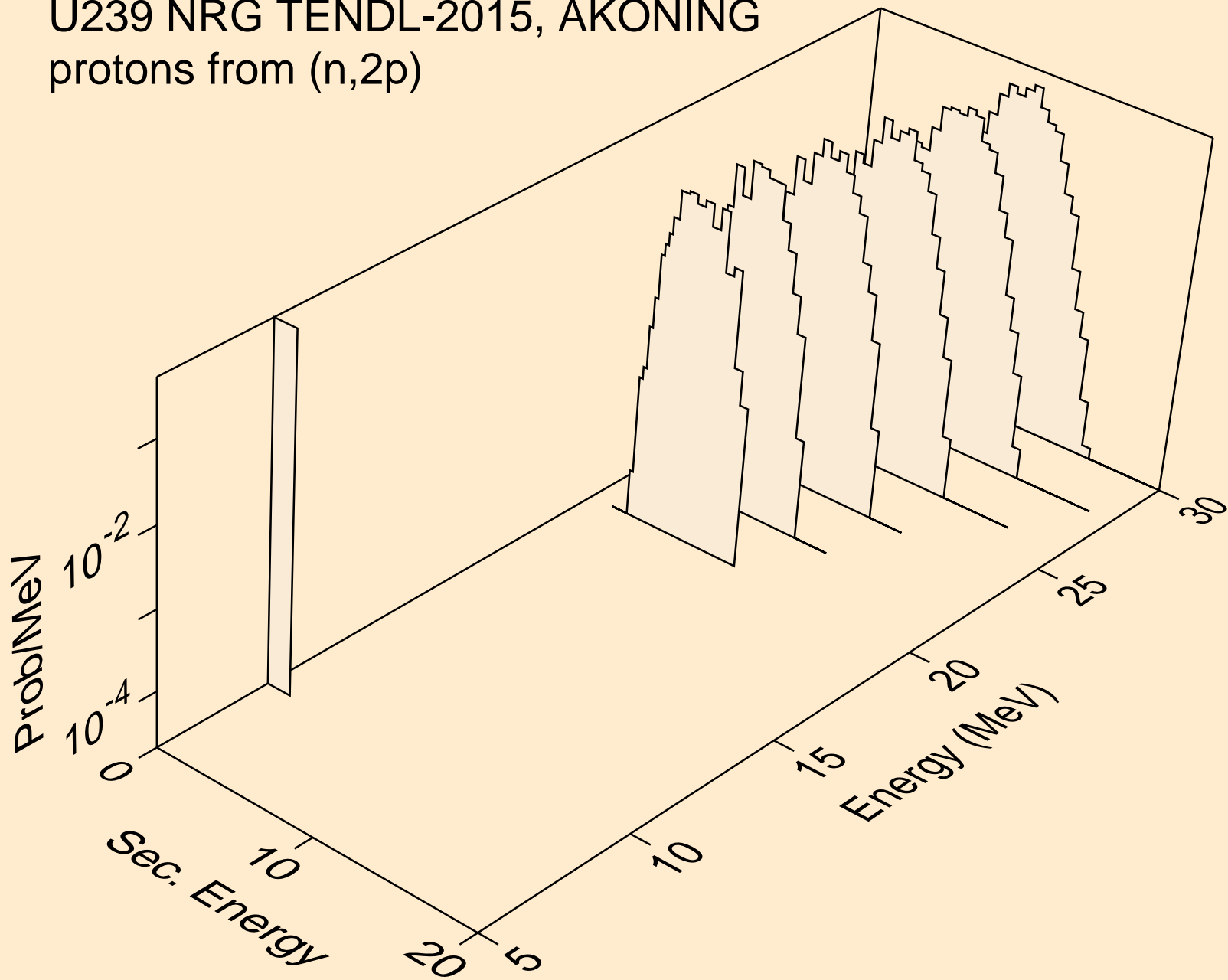
U239 NRG TENDL-2015, AKONING  
protons from (n,2np)



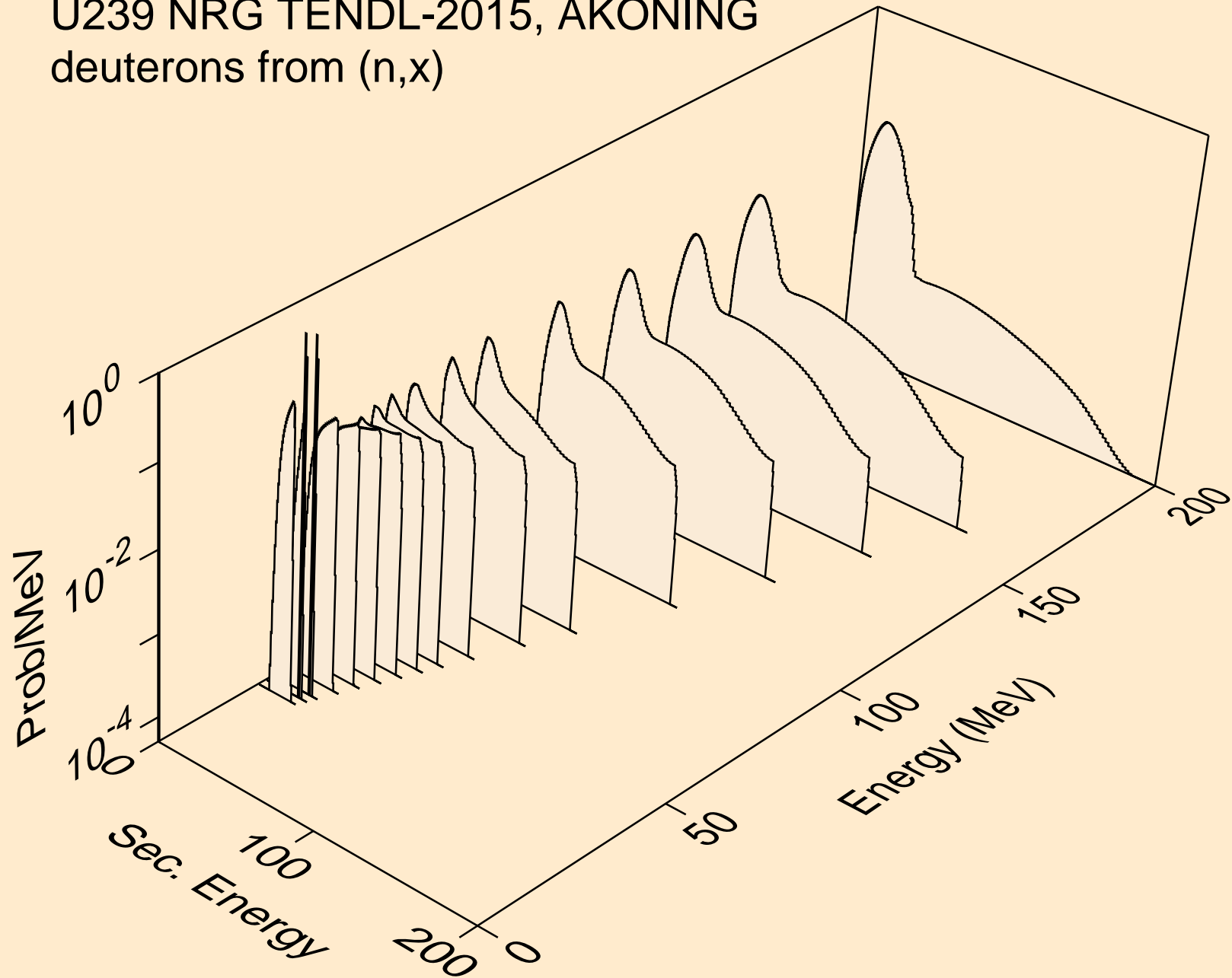
U239 NRG TENDL-2015, AKONING  
protons from (n,p)



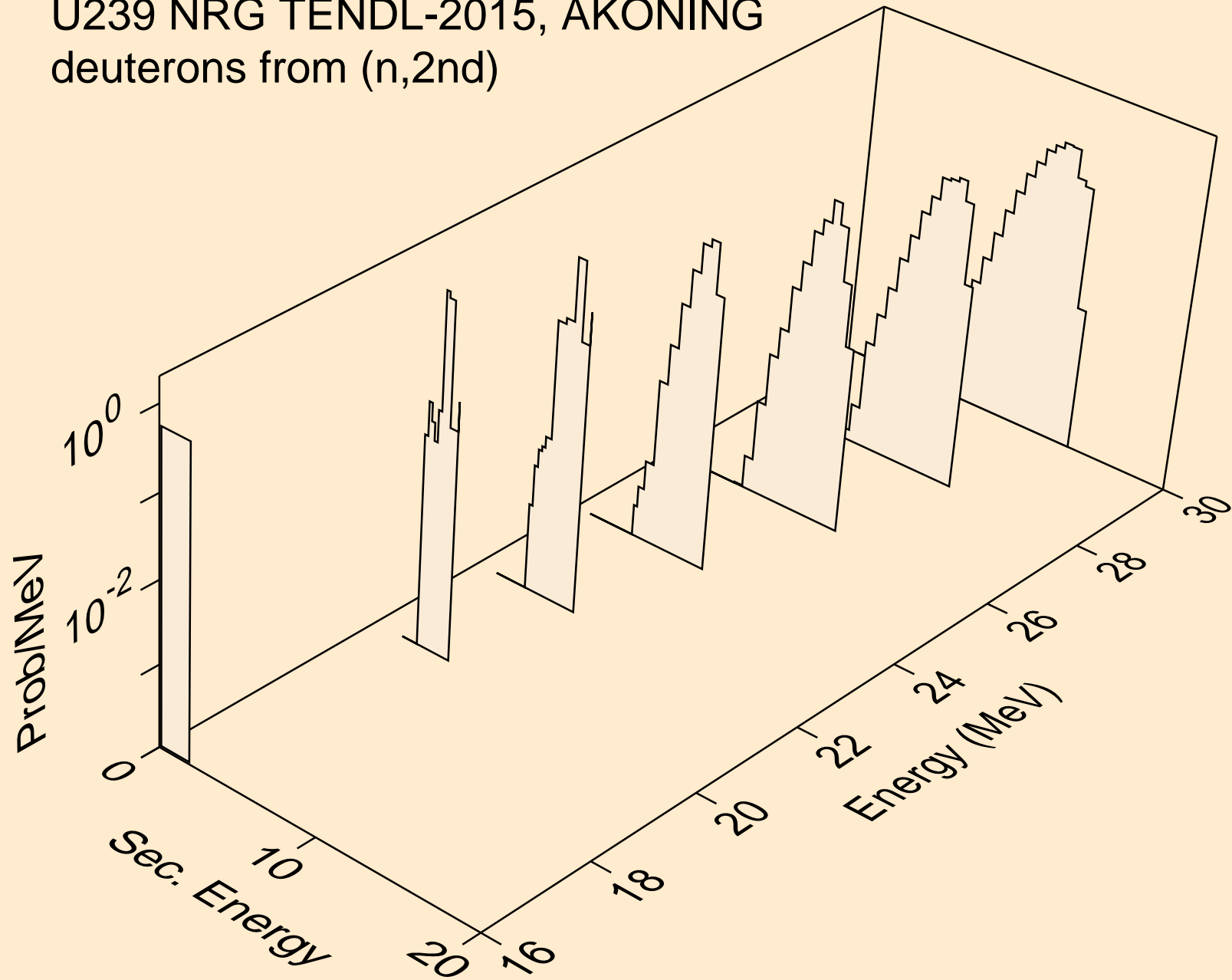
U239 NRG TENDL-2015, AKONING  
protons from (n,2p)



U239 NRG TENDL-2015, AKONING  
deuterons from (n,x)

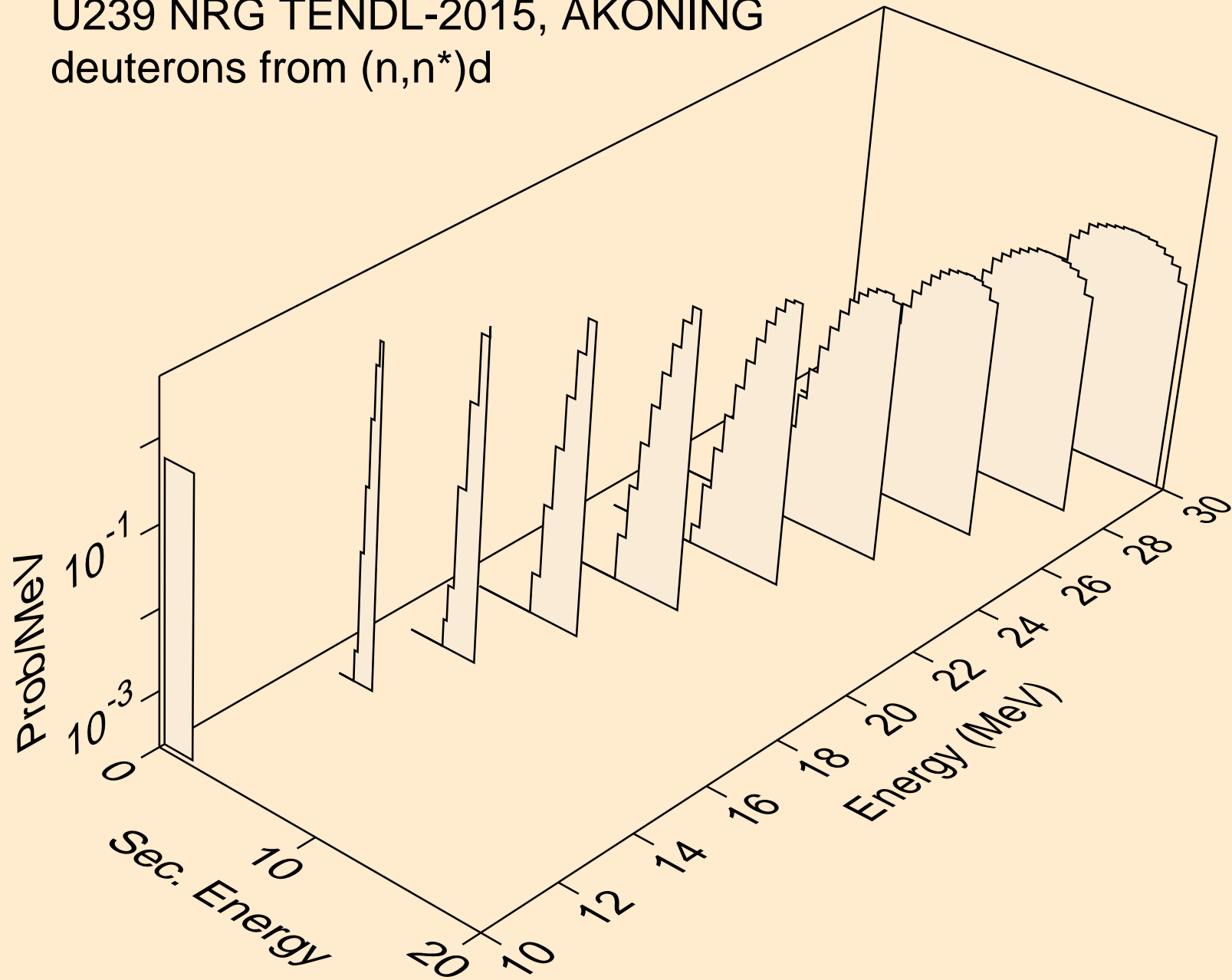


U239 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

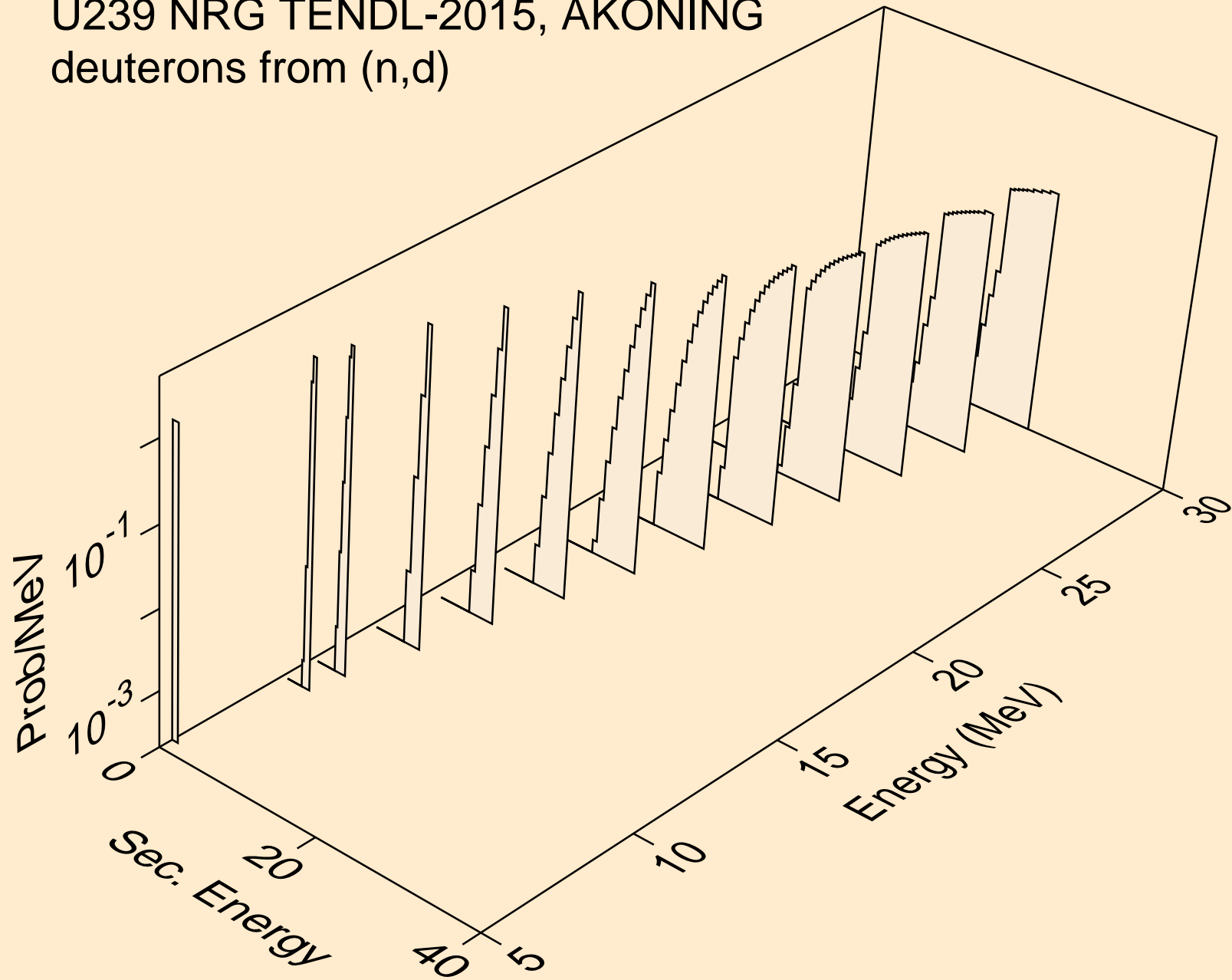




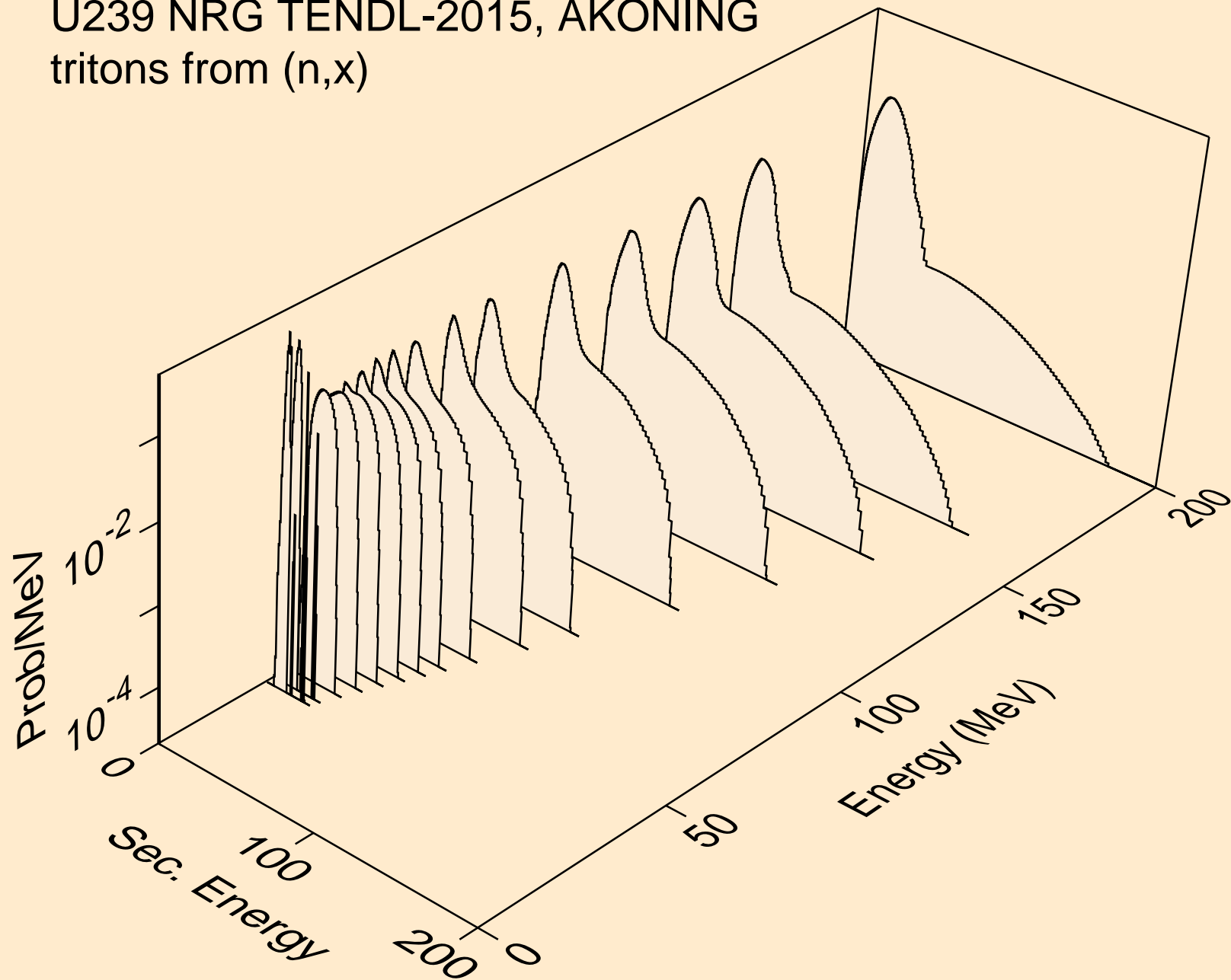
U239 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



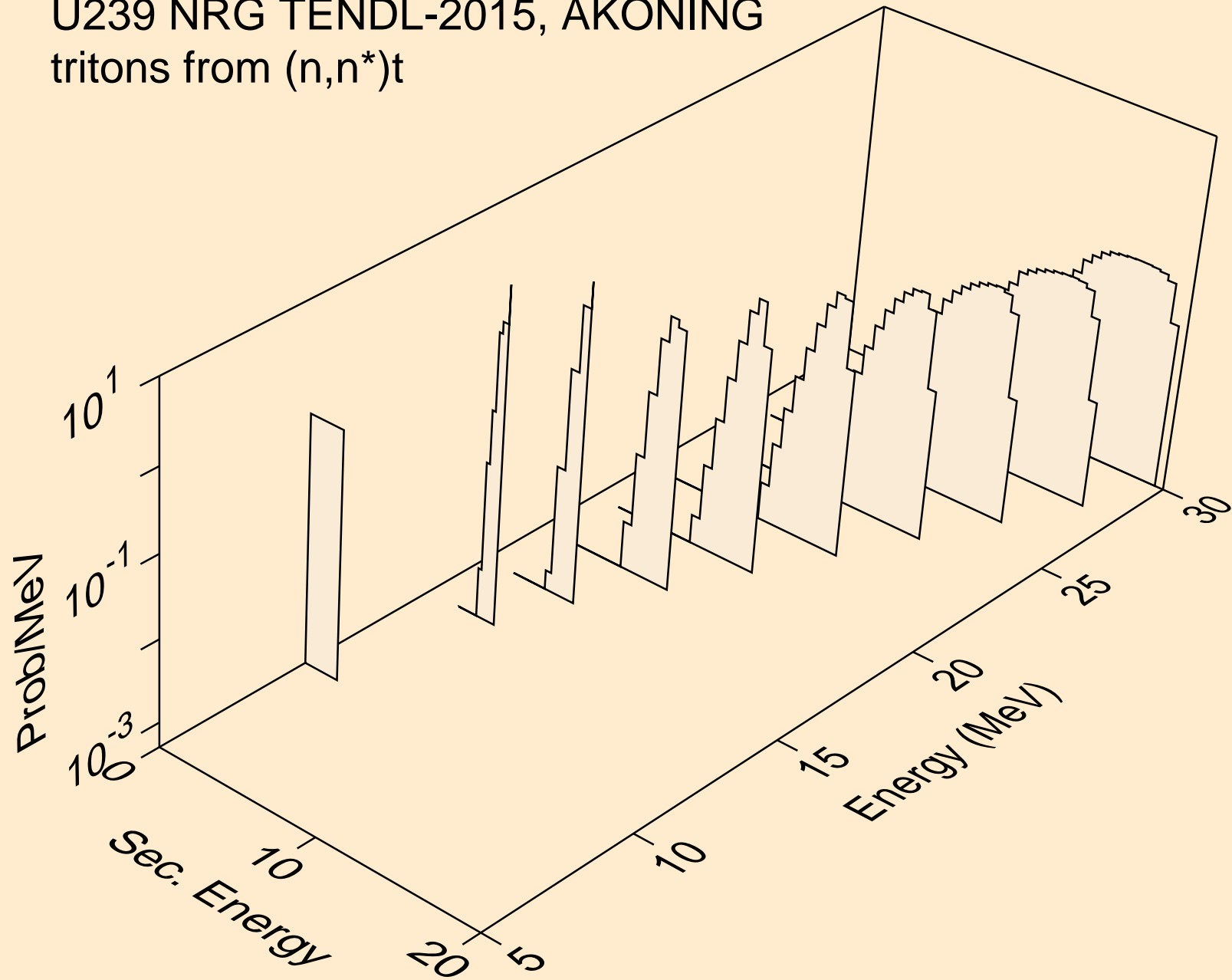
U239 NRG TENDL-2015, AKONING  
deuterons from (n,d)



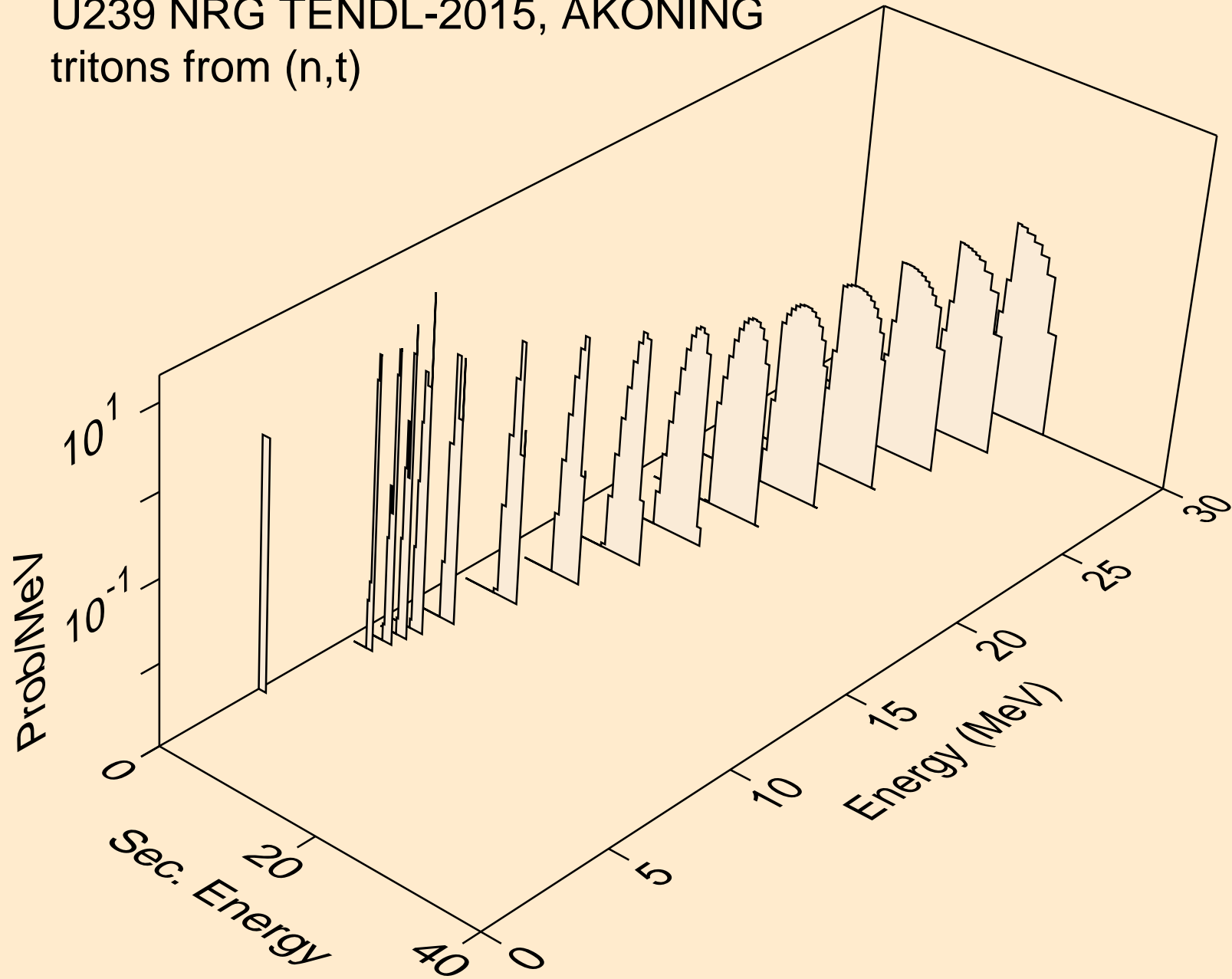
U239 NRG TENDL-2015, AKONING  
tritons from (n,x)



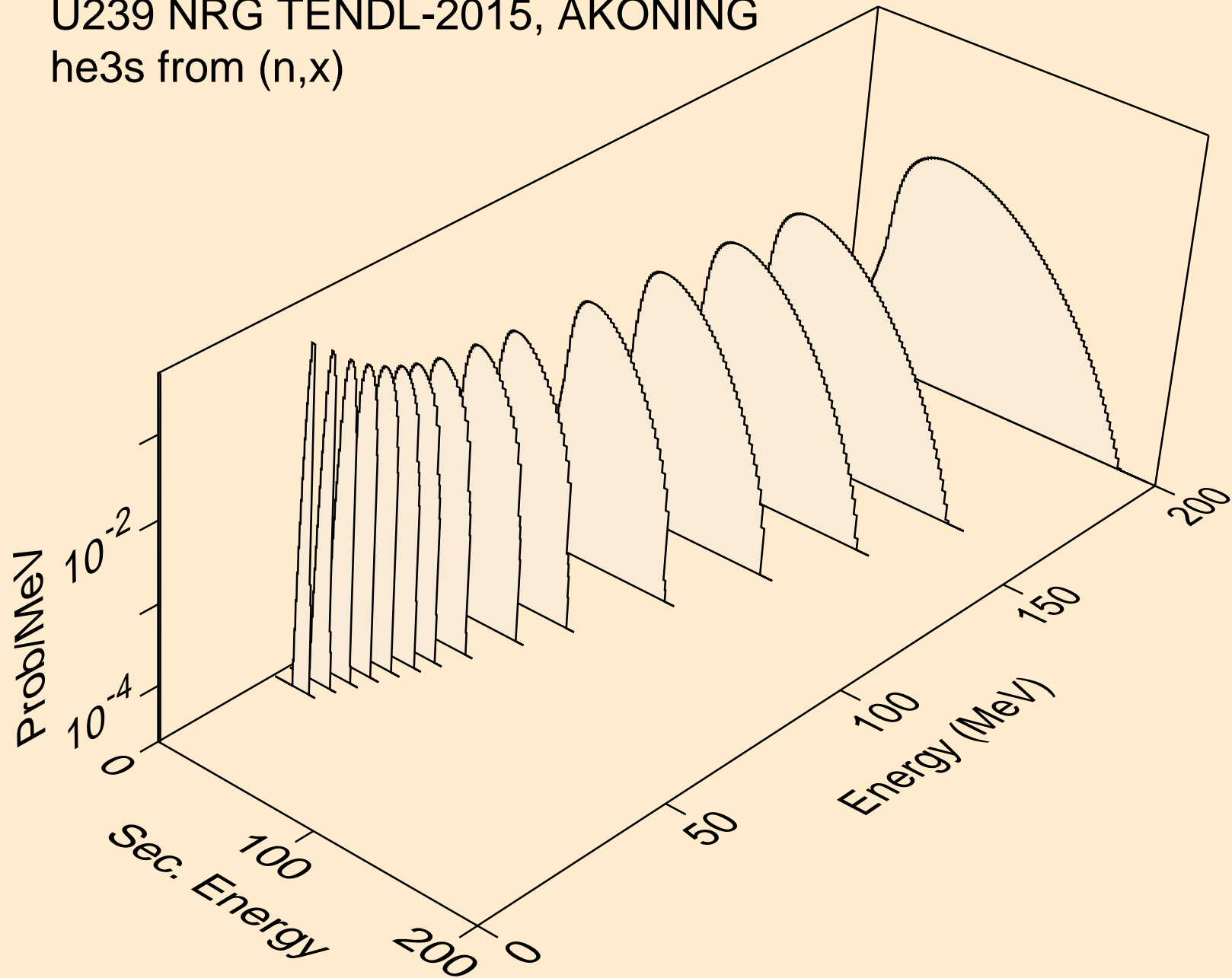
U239 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



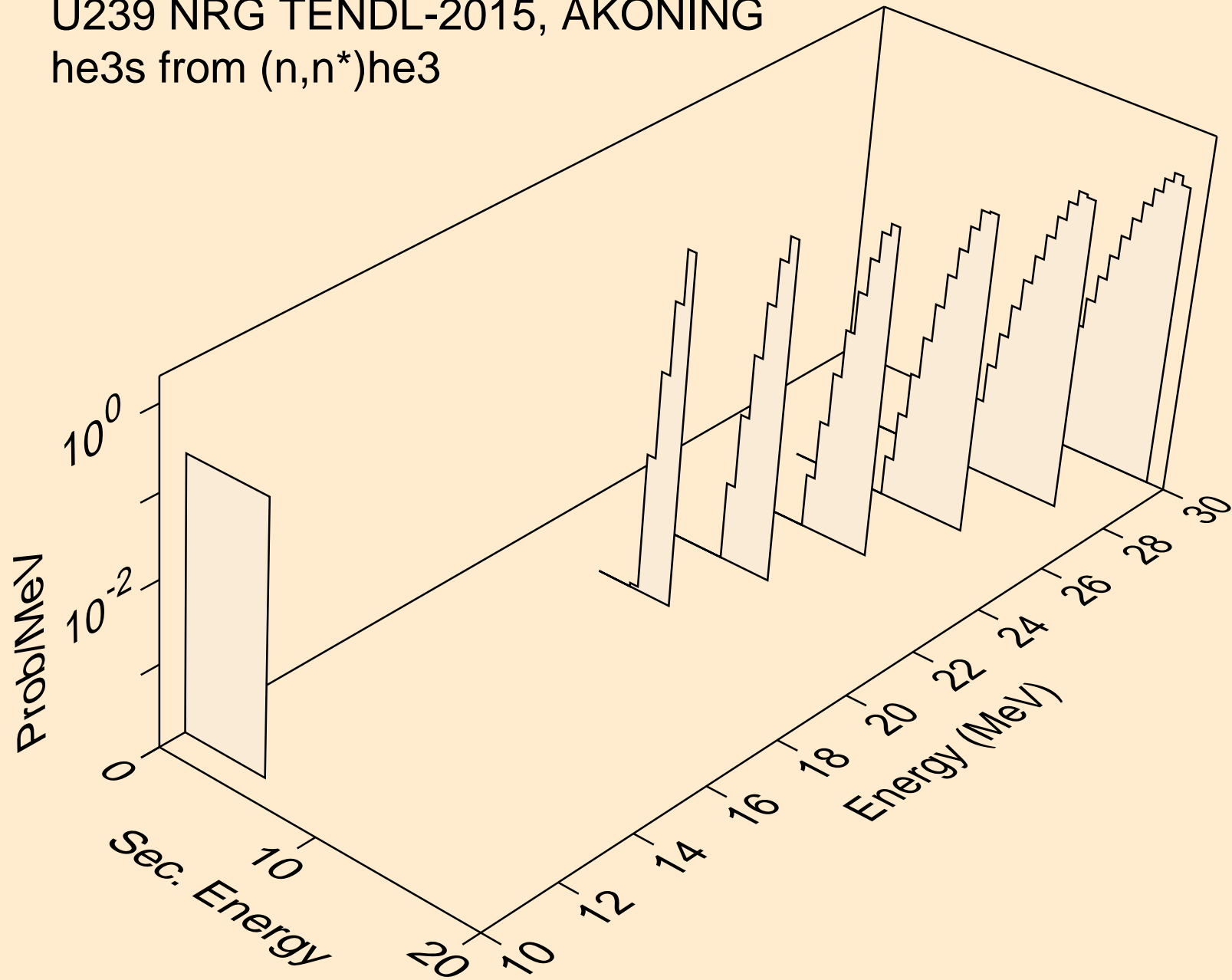
U239 NRG TENDL-2015, AKONING  
tritons from (n,t)



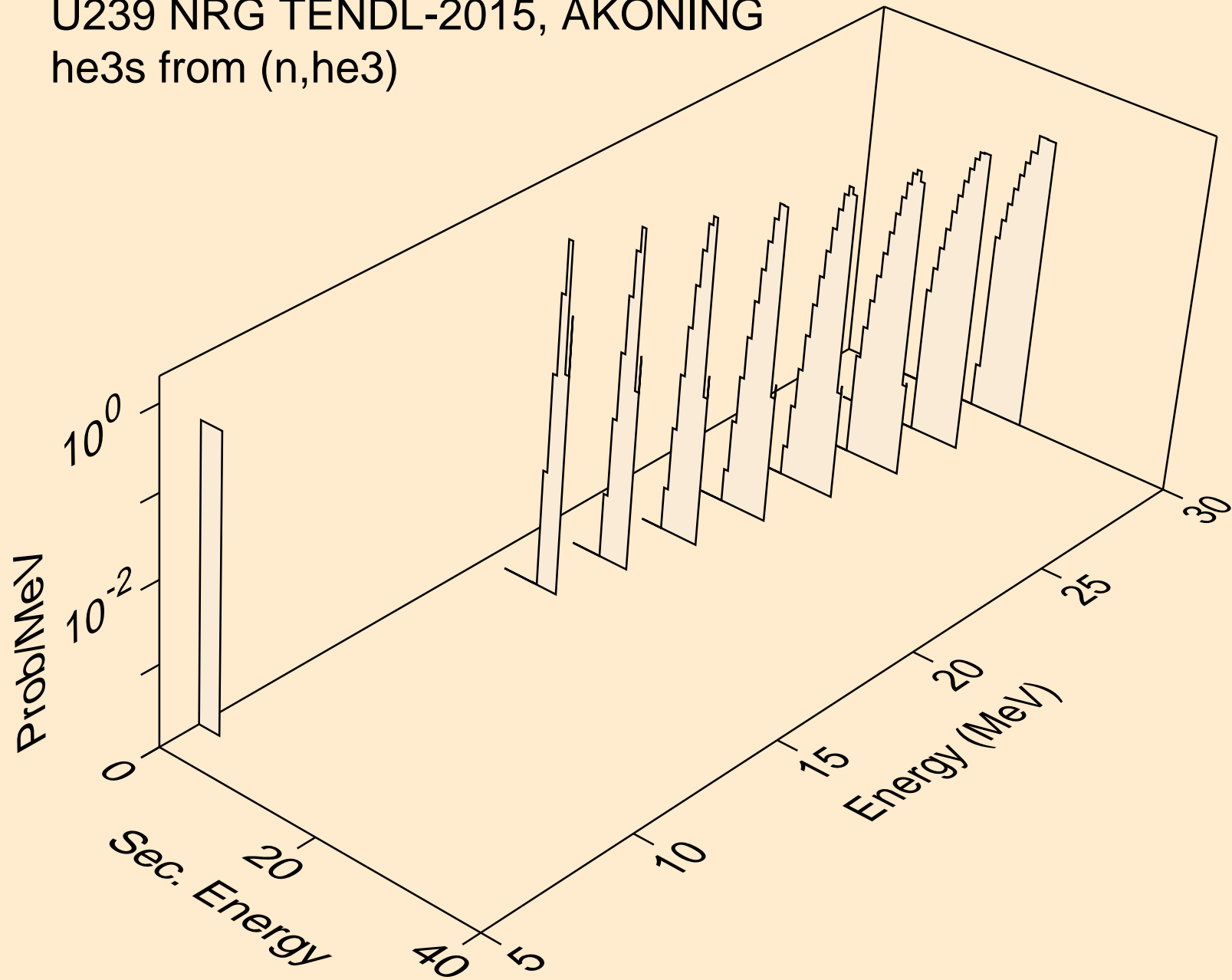
U239 NRG TENDL-2015, AKONING  
he3s from (n,x)



U239 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

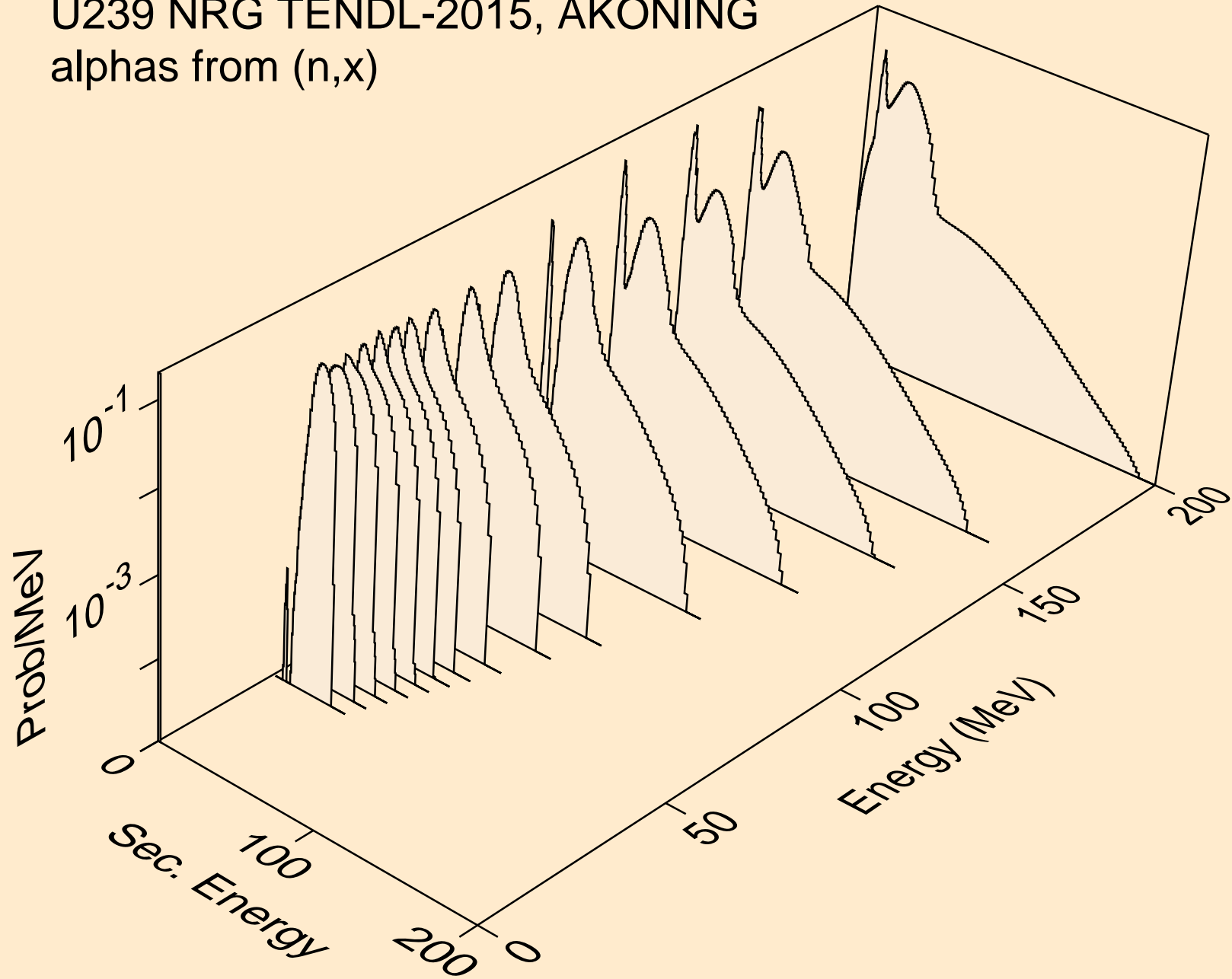


U239 NRG TENDL-2015, AKONING  
he3s from (n,he3)

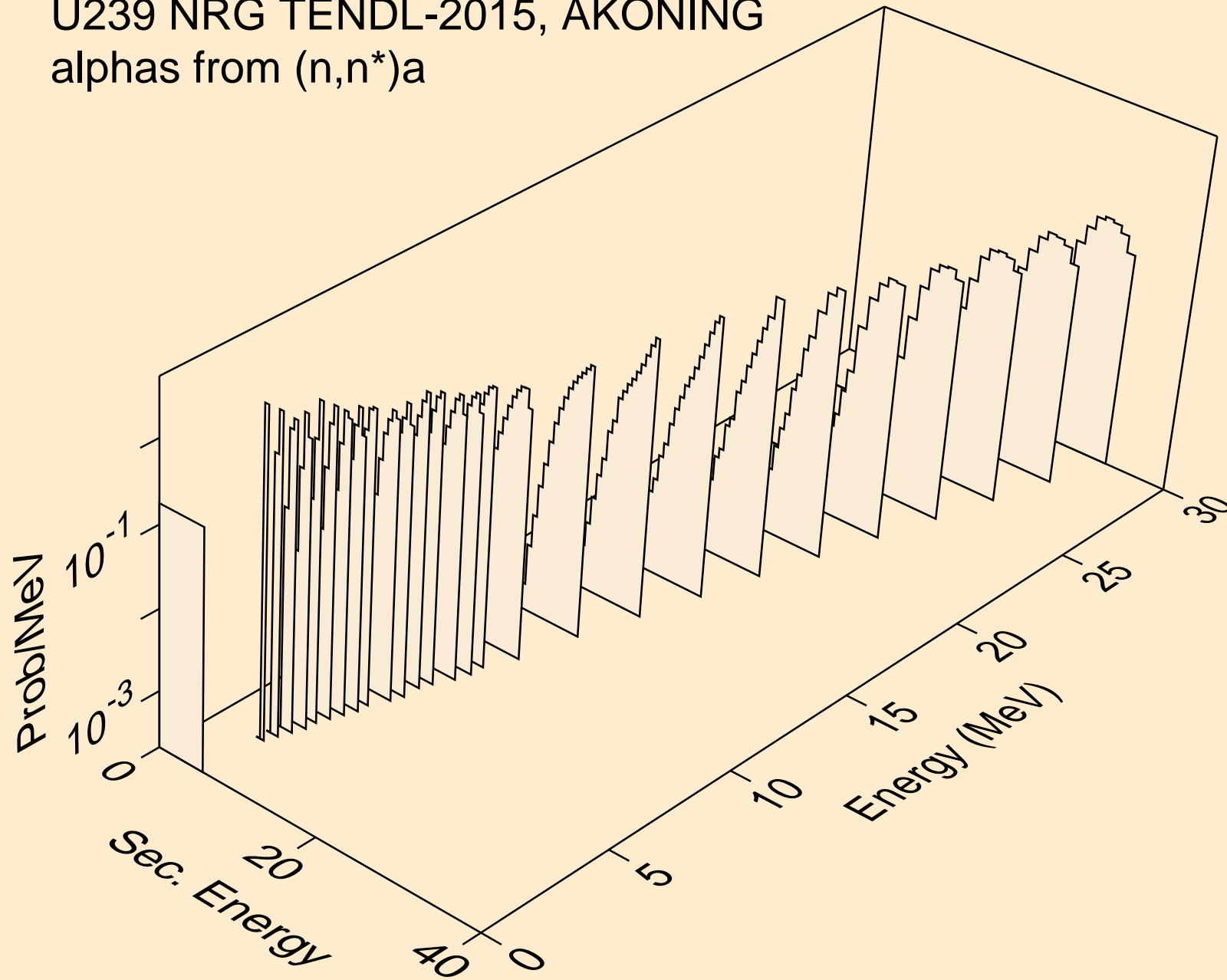




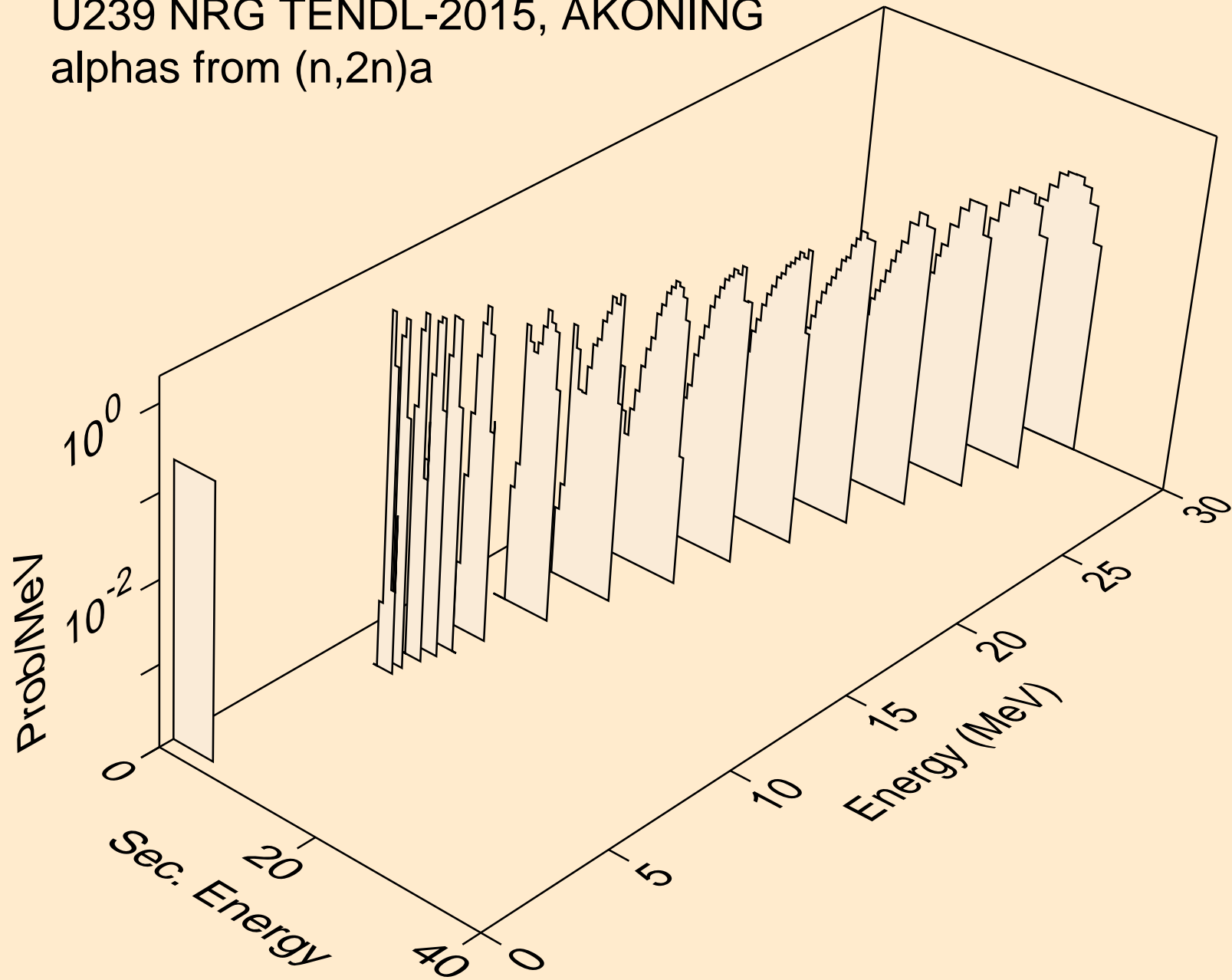
U239 NRG TENDL-2015, AKONING  
alphas from (n,x)



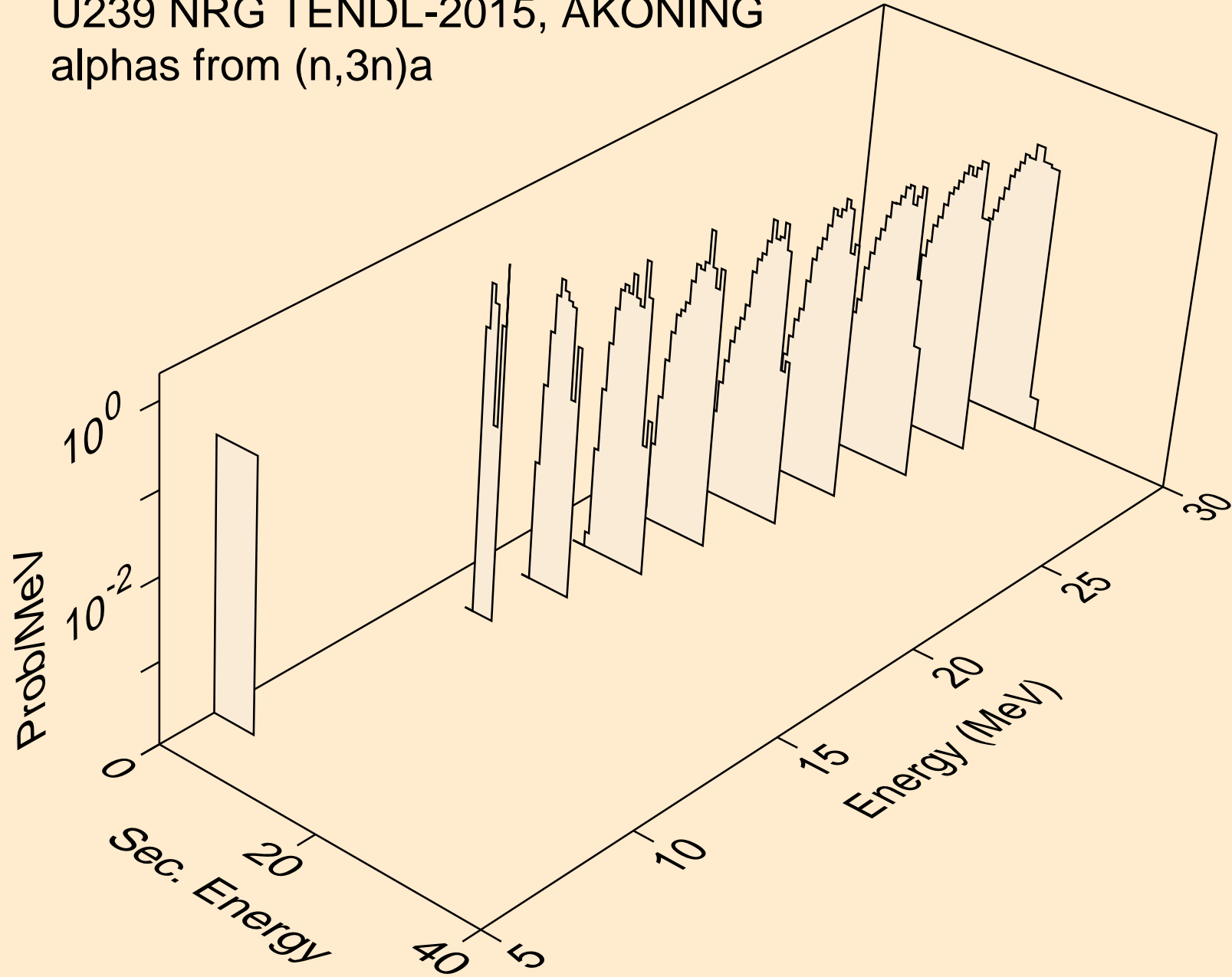
U239 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



U239 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



U239 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



U239 NRG TENDL-2015, AKONING  
alphas from (n,a)

