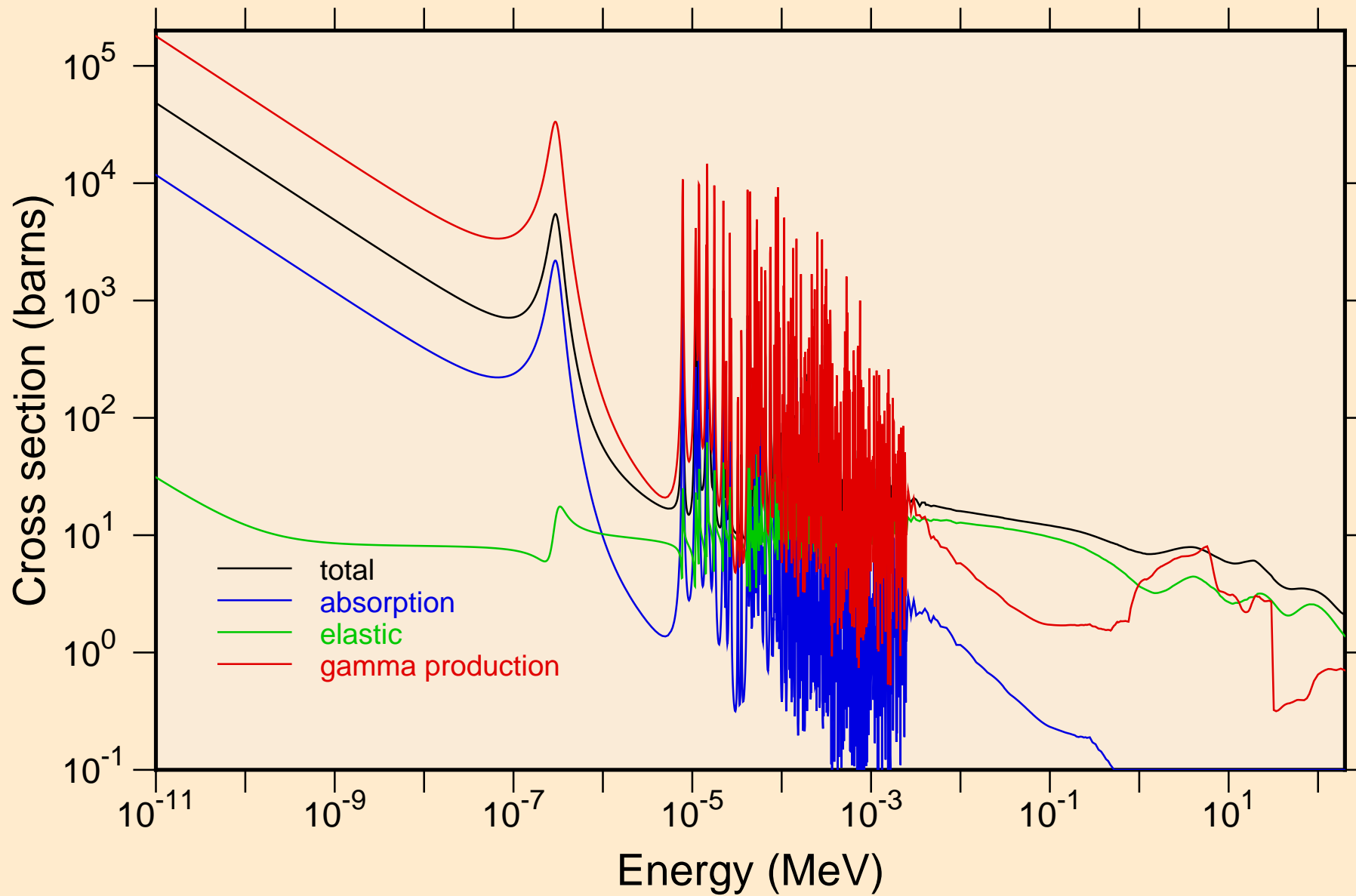
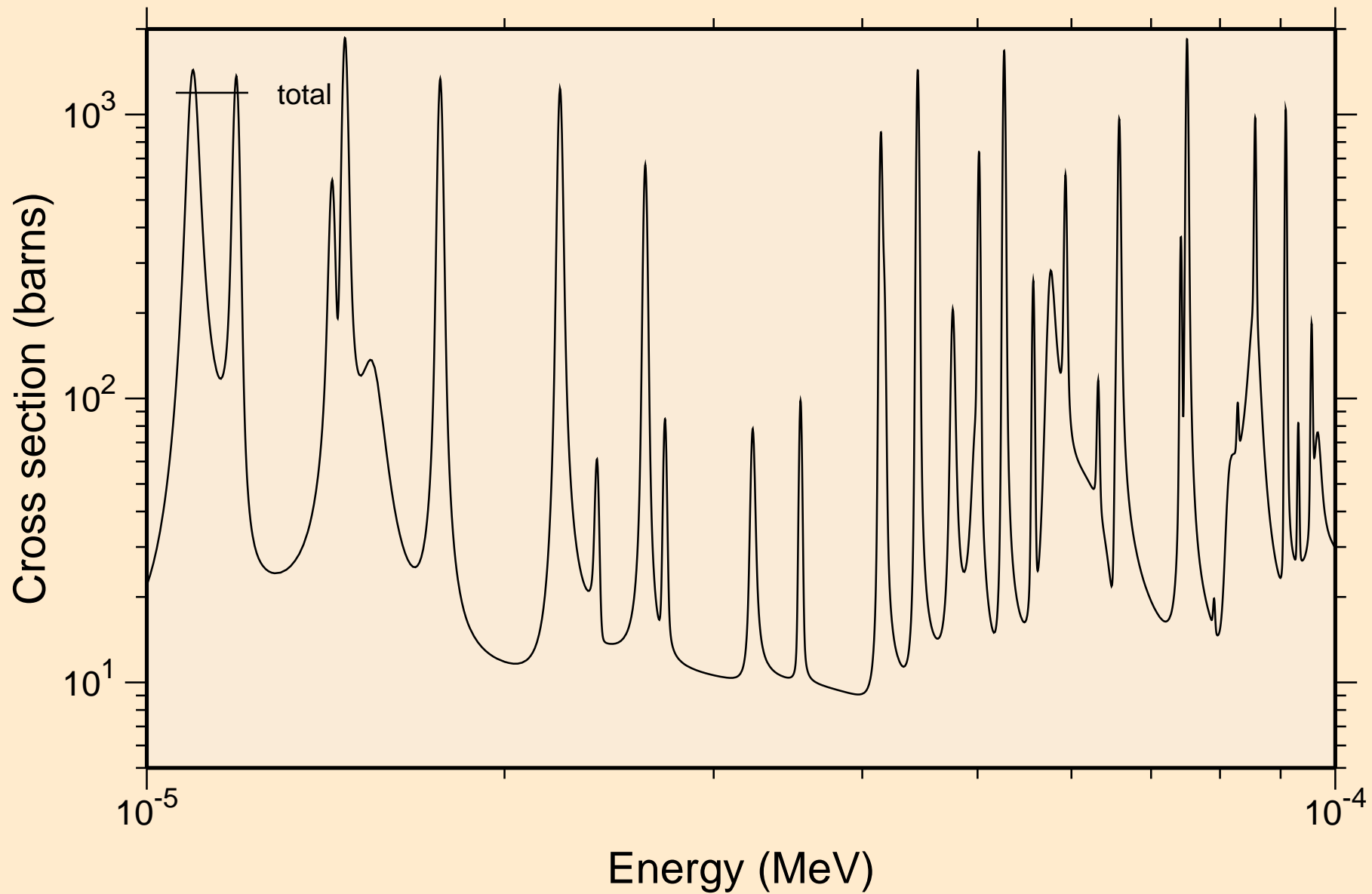


# PU239 NRG TENDL-2015, AKONING

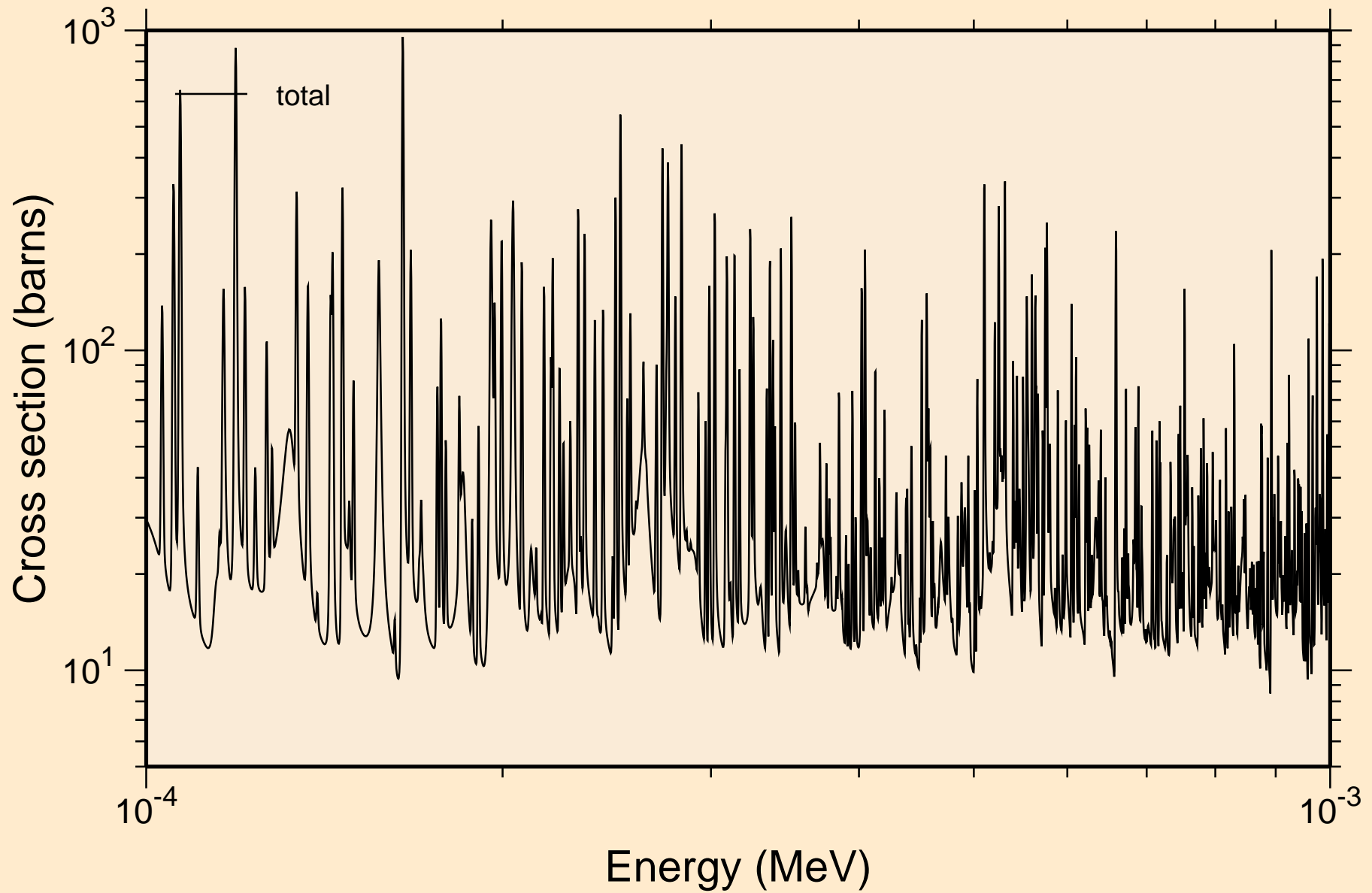
## Principal cross sections



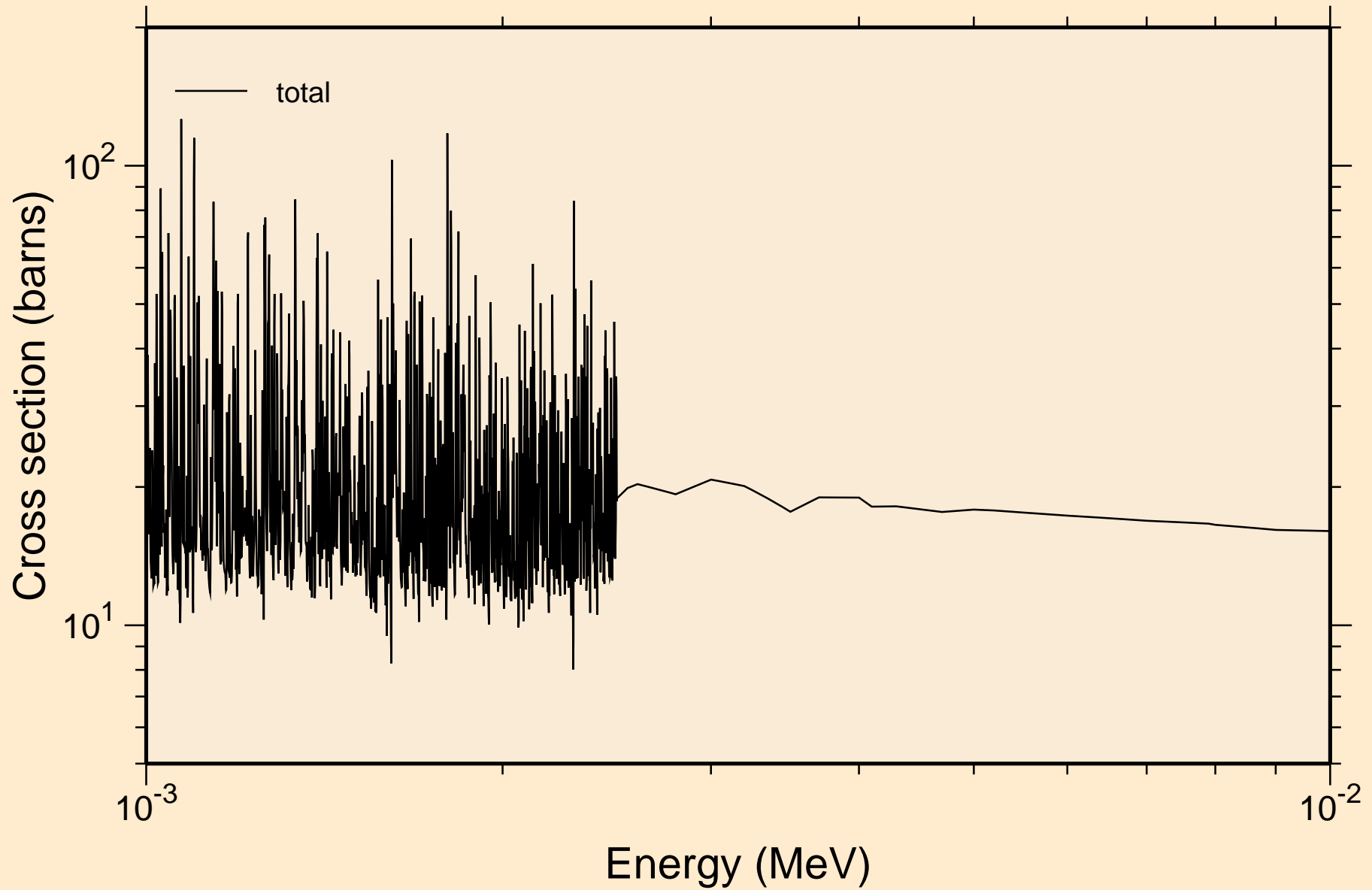
PU239 NRG TENDL-2015, AKONING  
resonance total cross section



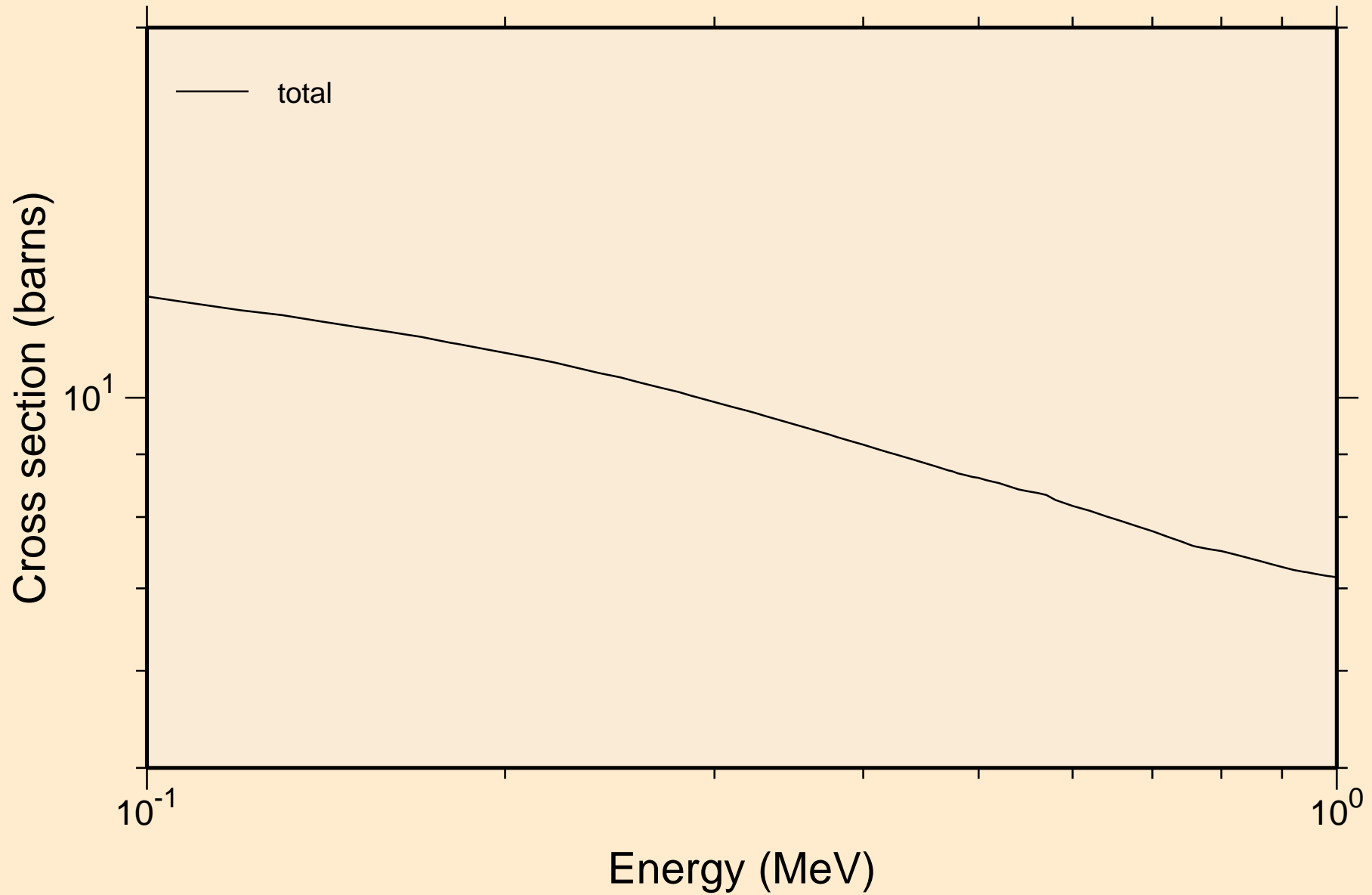
PU239 NRG TENDL-2015, AKONING  
resonance total cross section



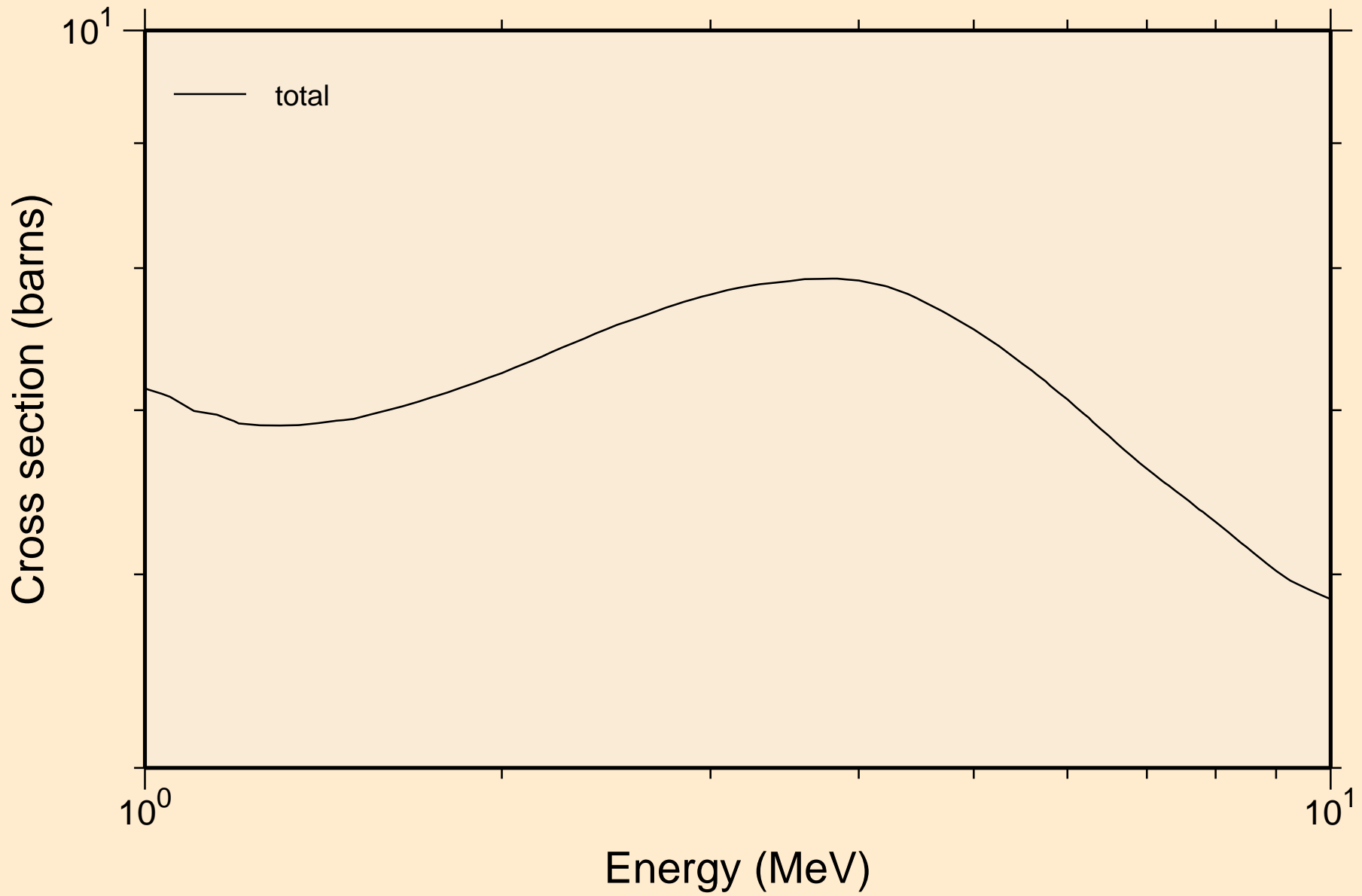
PU239 NRG TENDL-2015, AKONING  
resonance total cross section



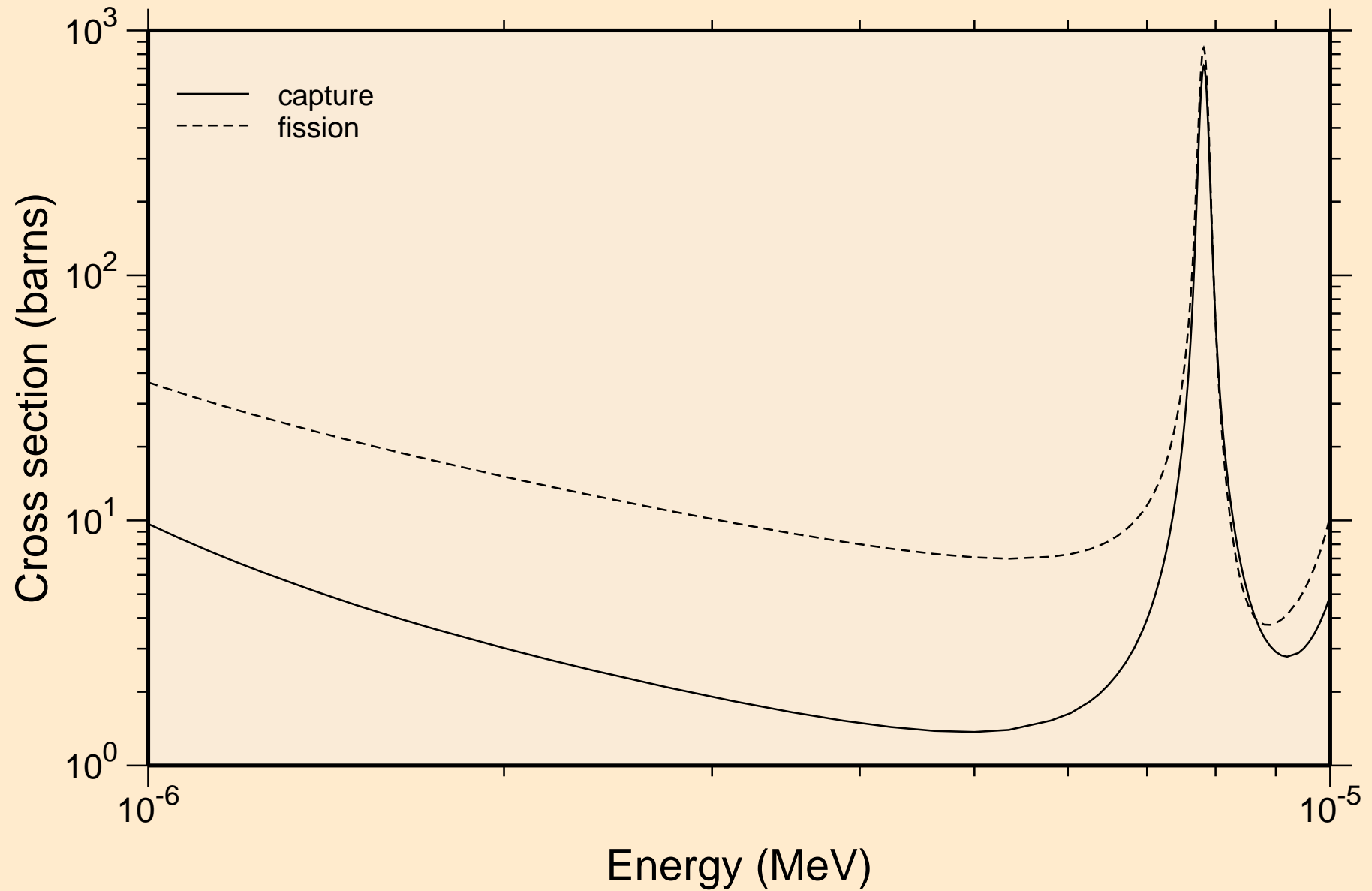
PU239 NRG TENDL-2015, AKONING  
resonance total cross section



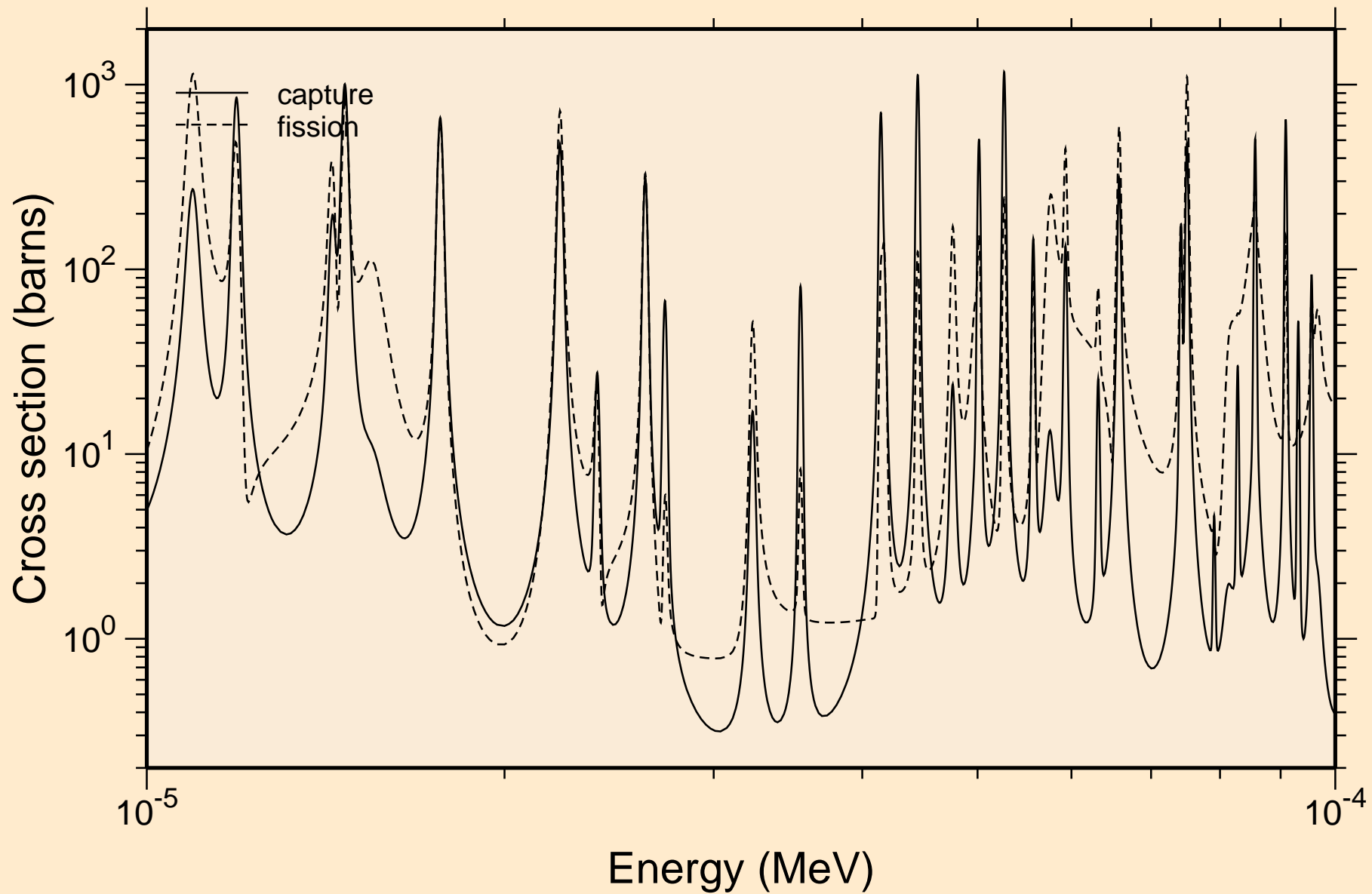
PU239 NRG TENDL-2015, AKONING  
resonance total cross section



PU239 NRG TENDL-2015, AKONING  
resonance absorption cross sections

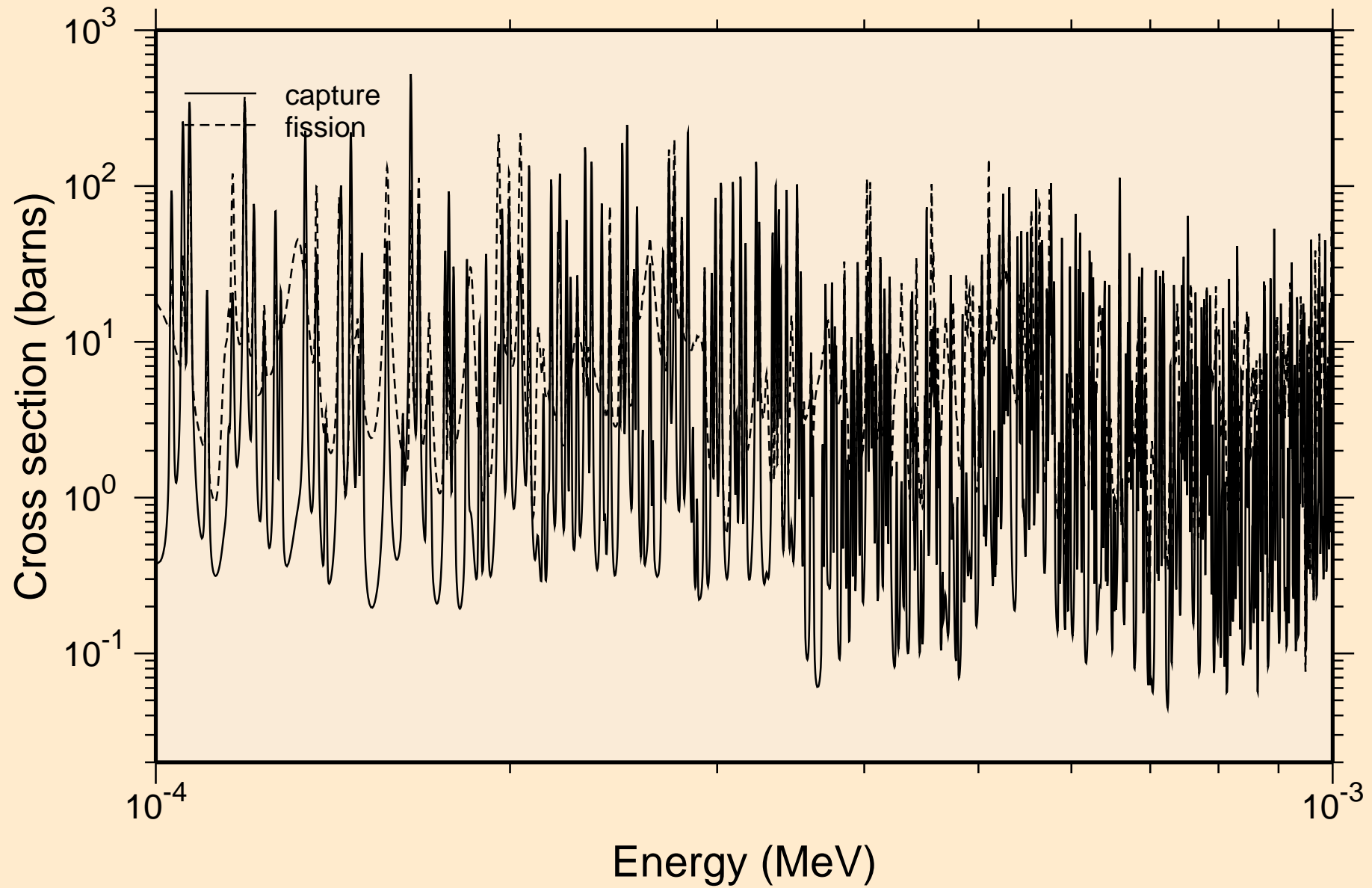


PU239 NRG TENDL-2015, AKONING  
resonance absorption cross sections

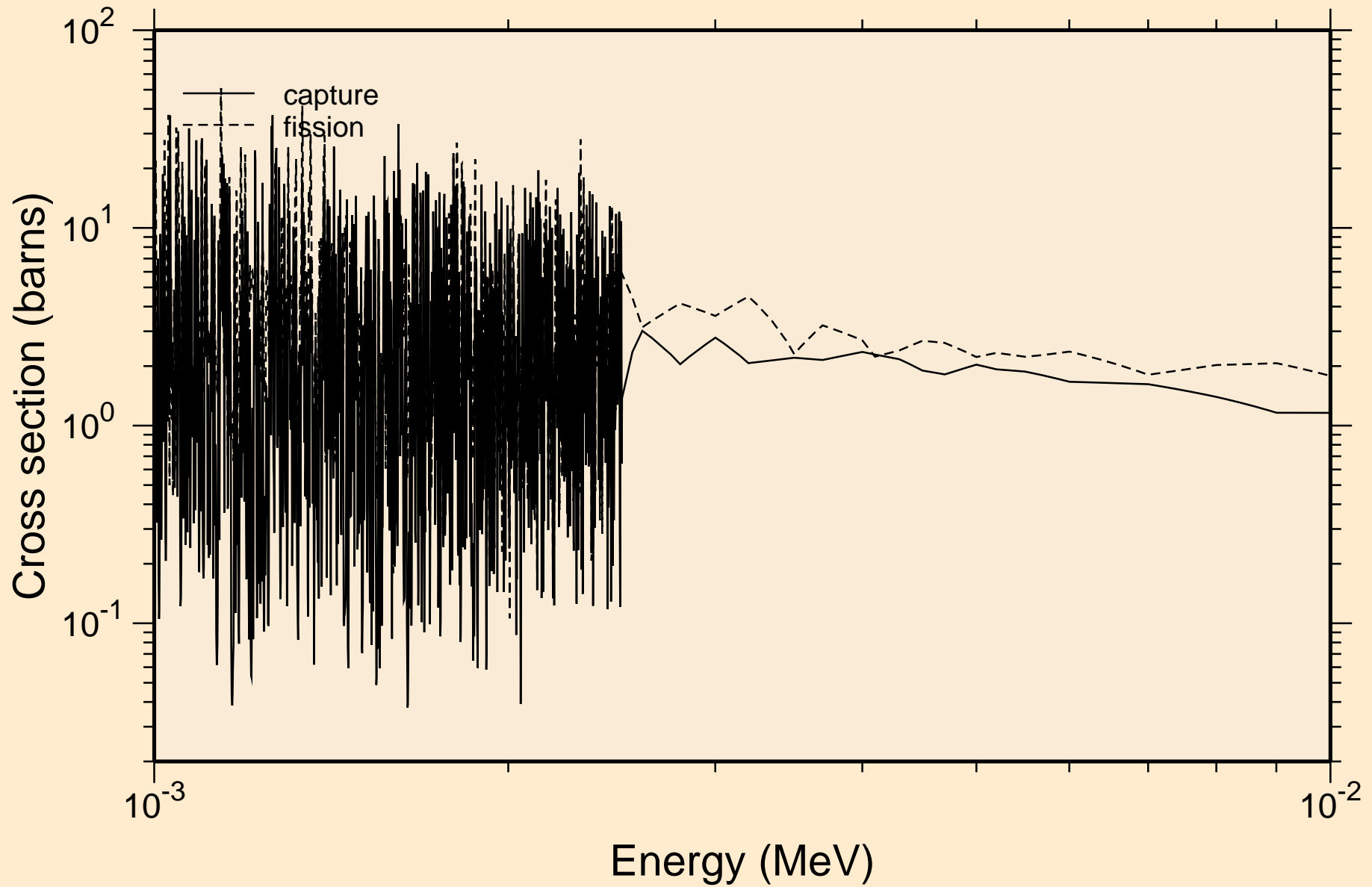




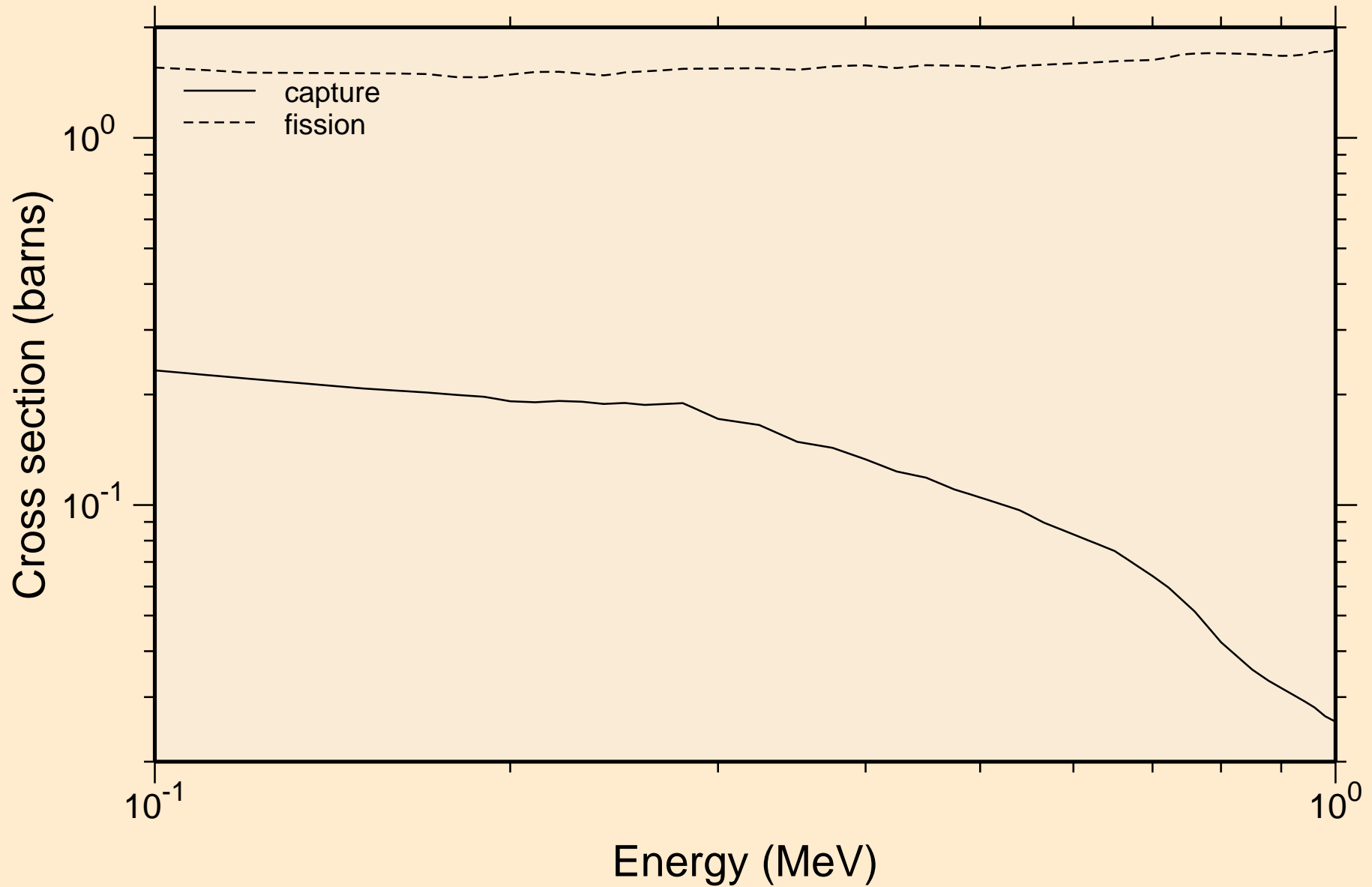
PU239 NRG TENDL-2015, AKONING  
resonance absorption cross sections



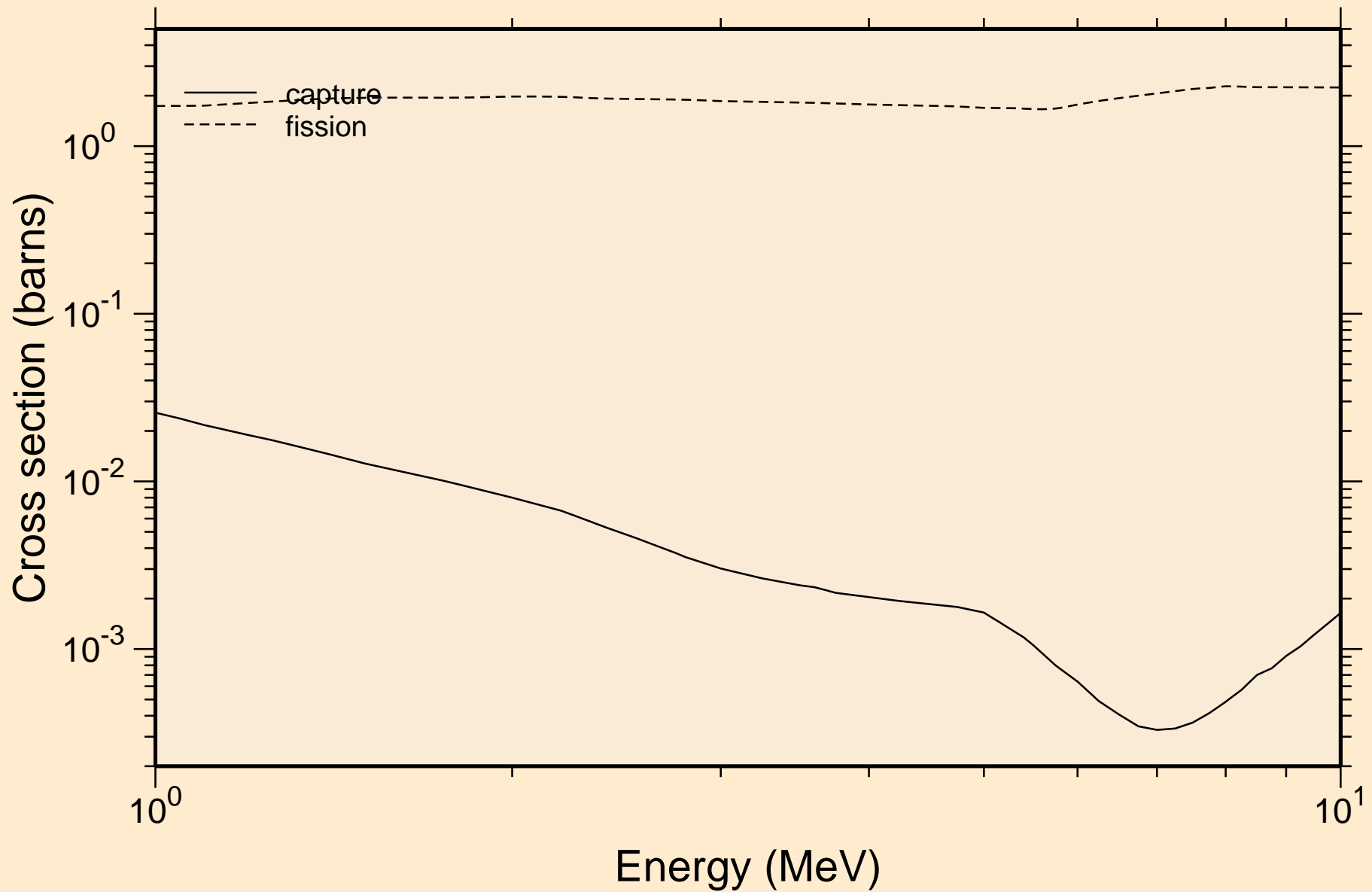
PU239 NRG TENDL-2015, AKONING  
resonance absorption cross sections



PU239 NRG TENDL-2015, AKONING  
resonance absorption cross sections

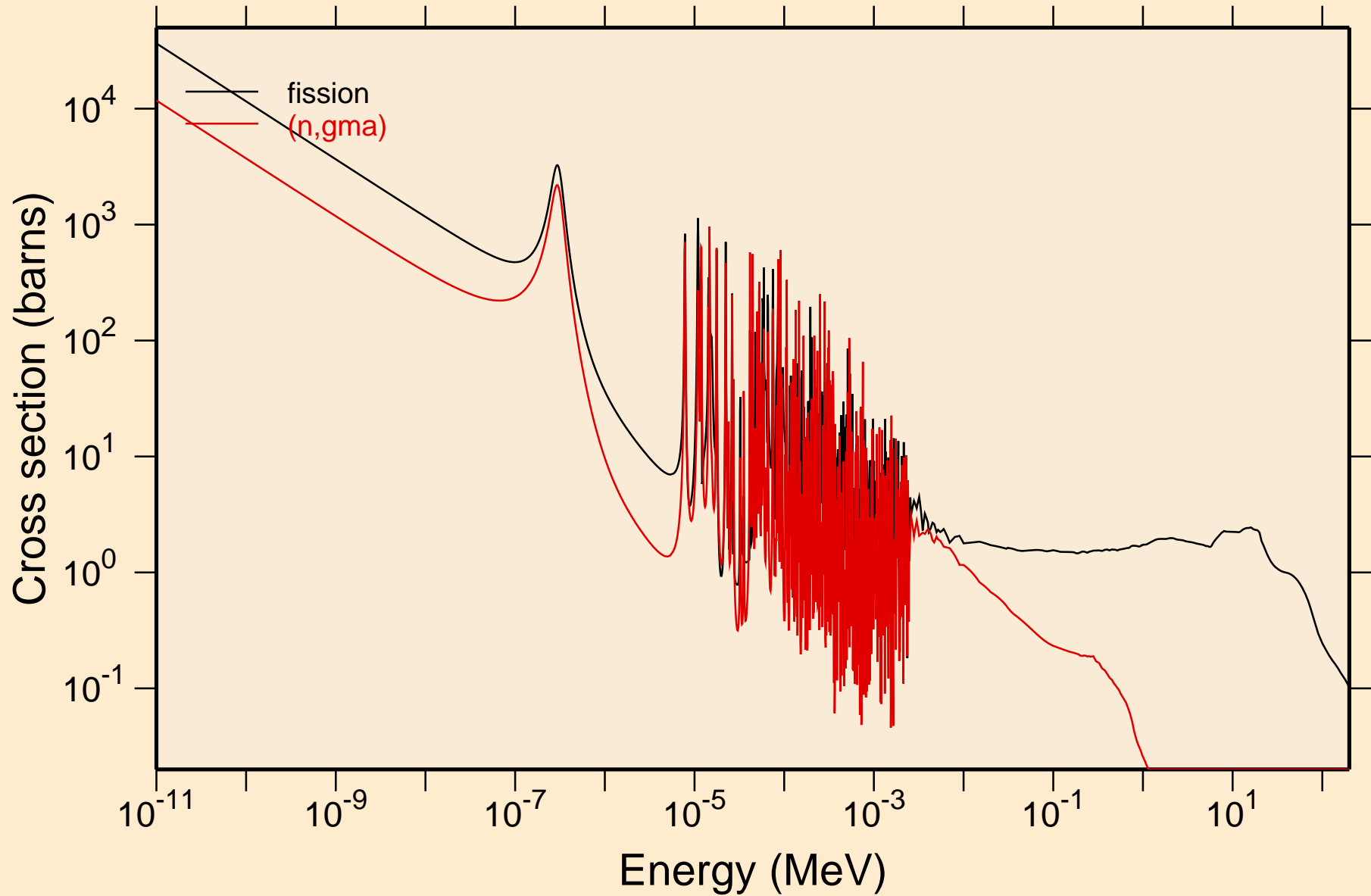


PU239 NRG TENDL-2015, AKONING  
resonance absorption cross sections



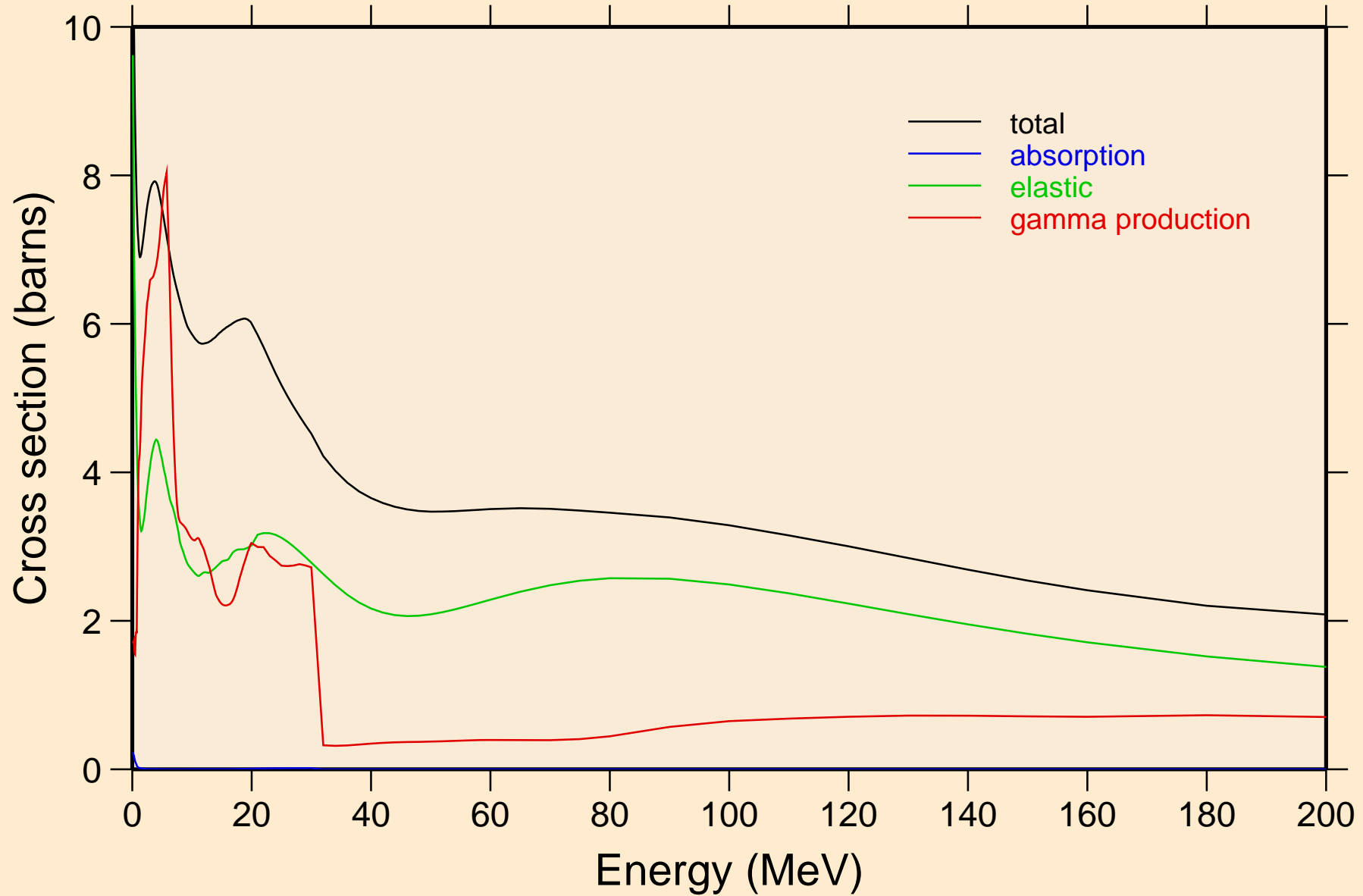
# PU239 NRG TENDL-2015, AKONING

## Non-threshold reactions



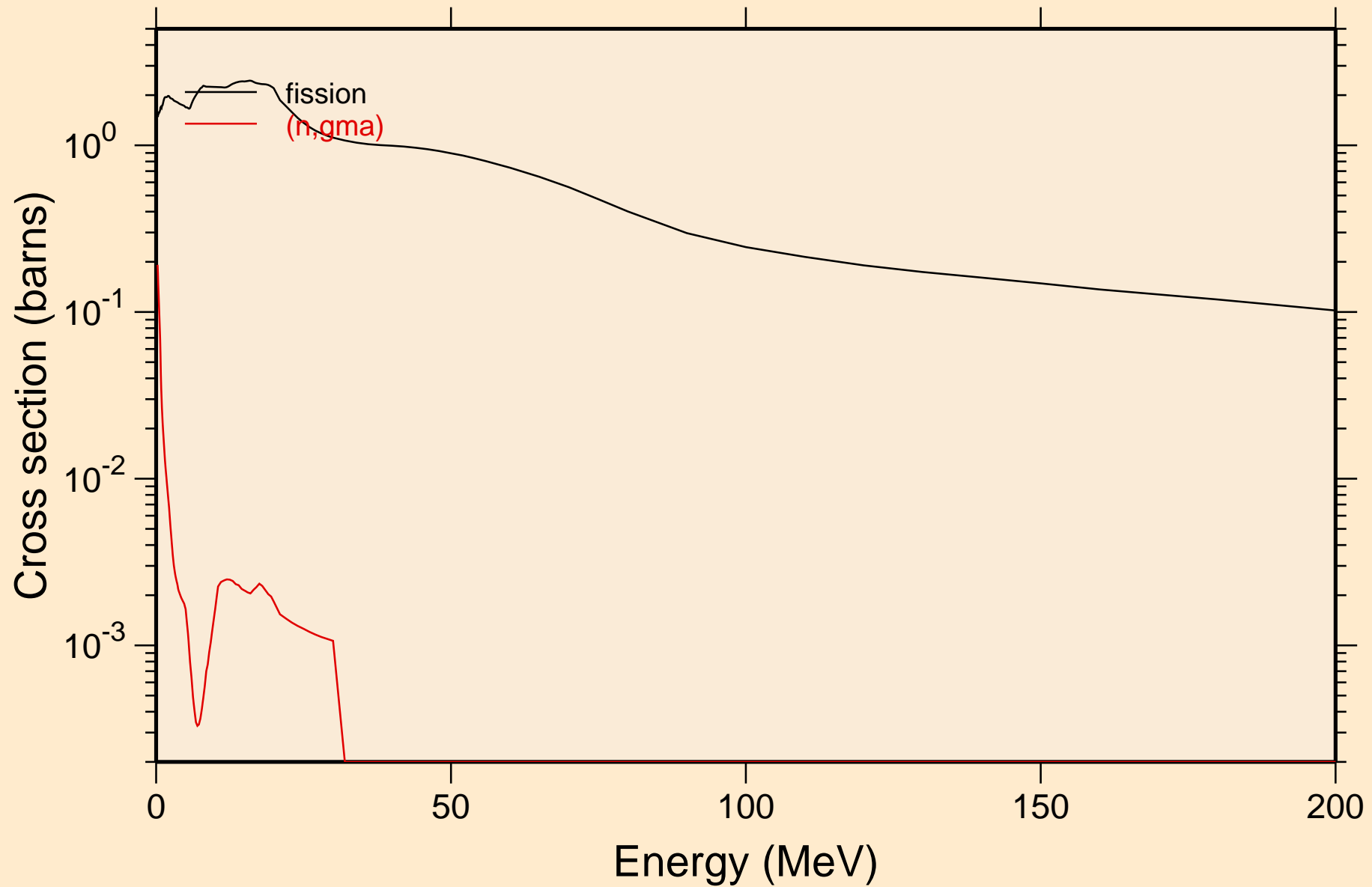
# PU239 NRG TENDL-2015, AKONING

## Principal cross sections

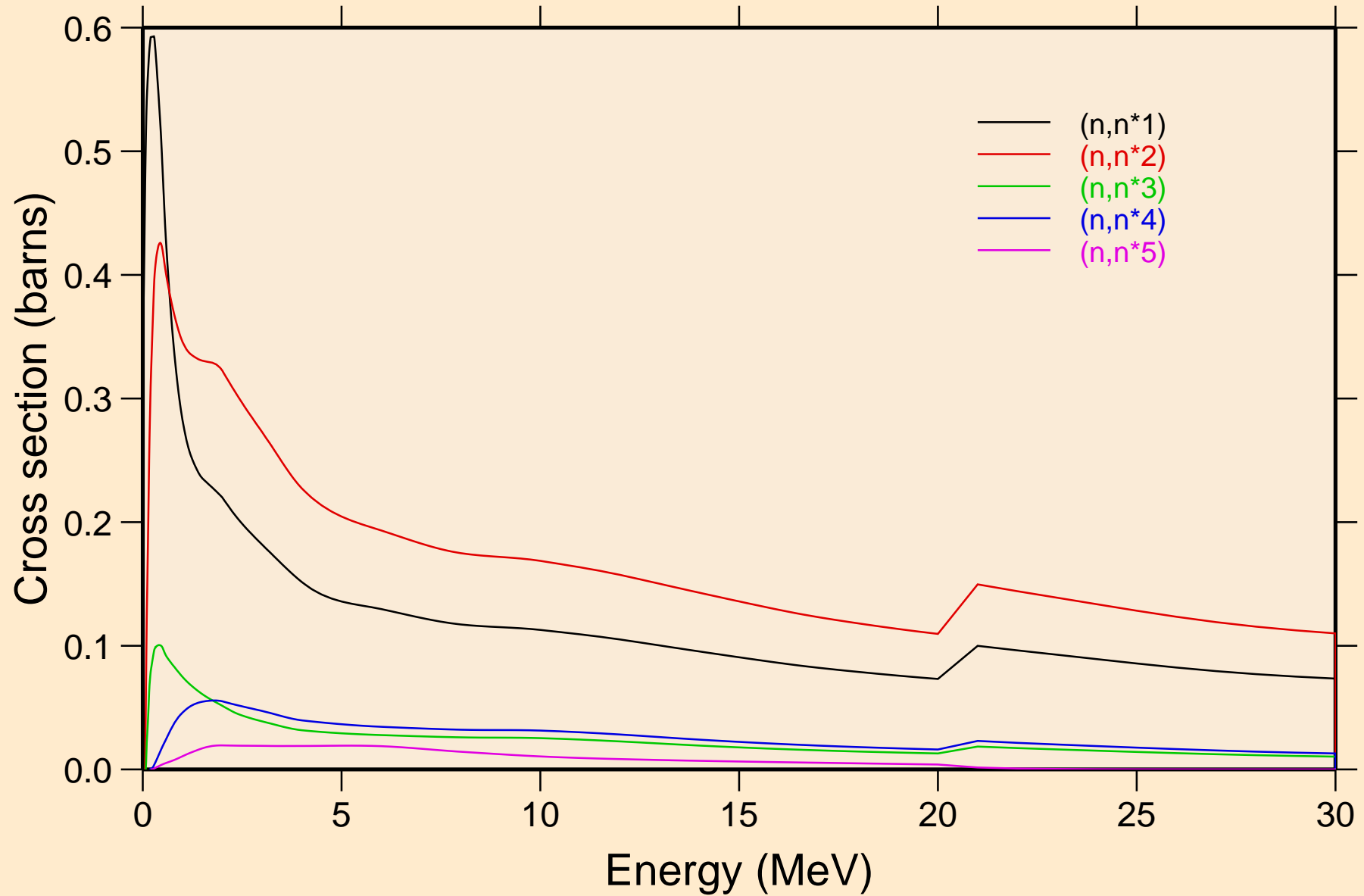


# PU239 NRG TENDL-2015, AKONING

## Non-threshold reactions



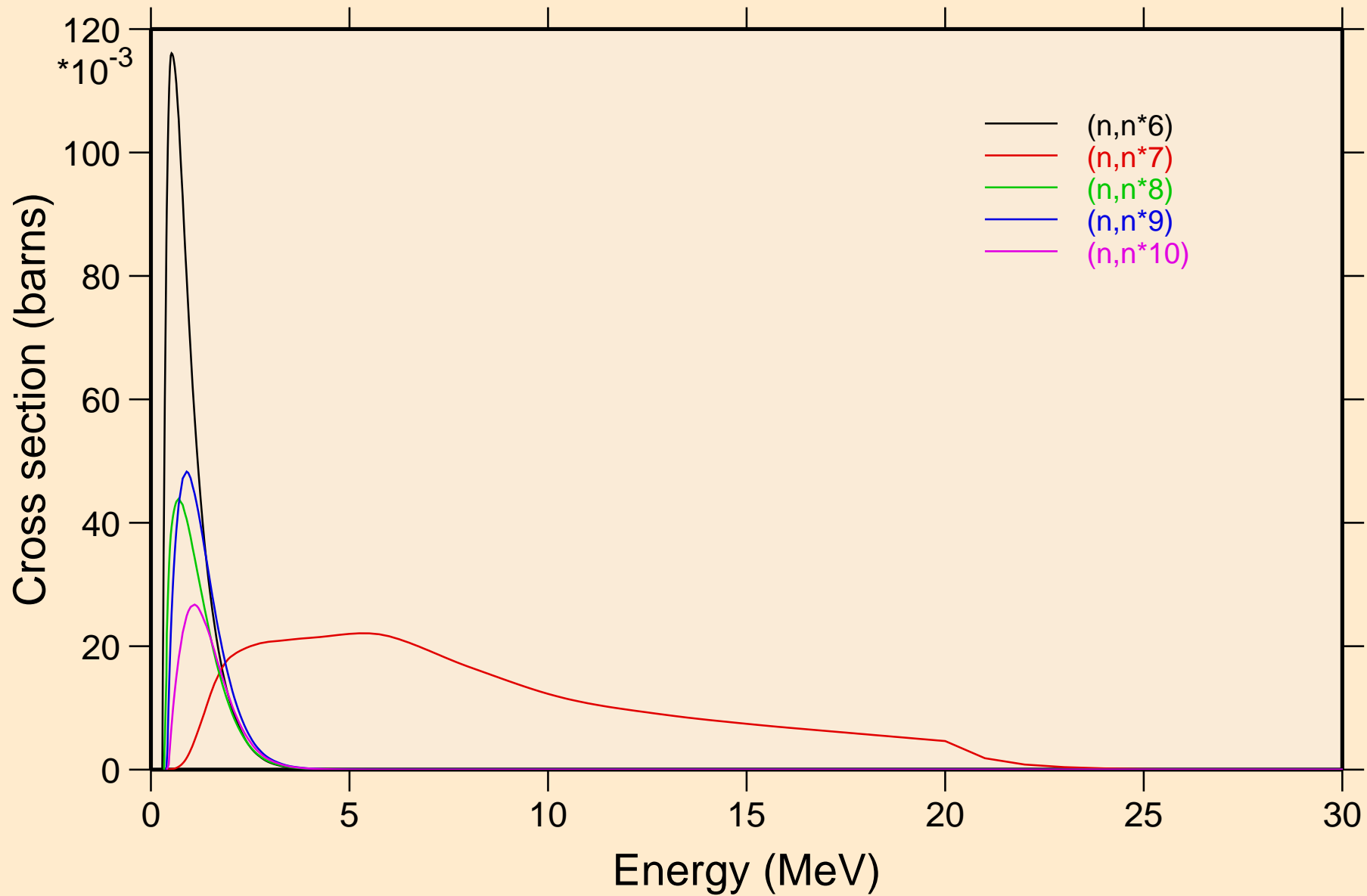
PU239 NRG TENDL-2015, AKONING  
Inelastic levels





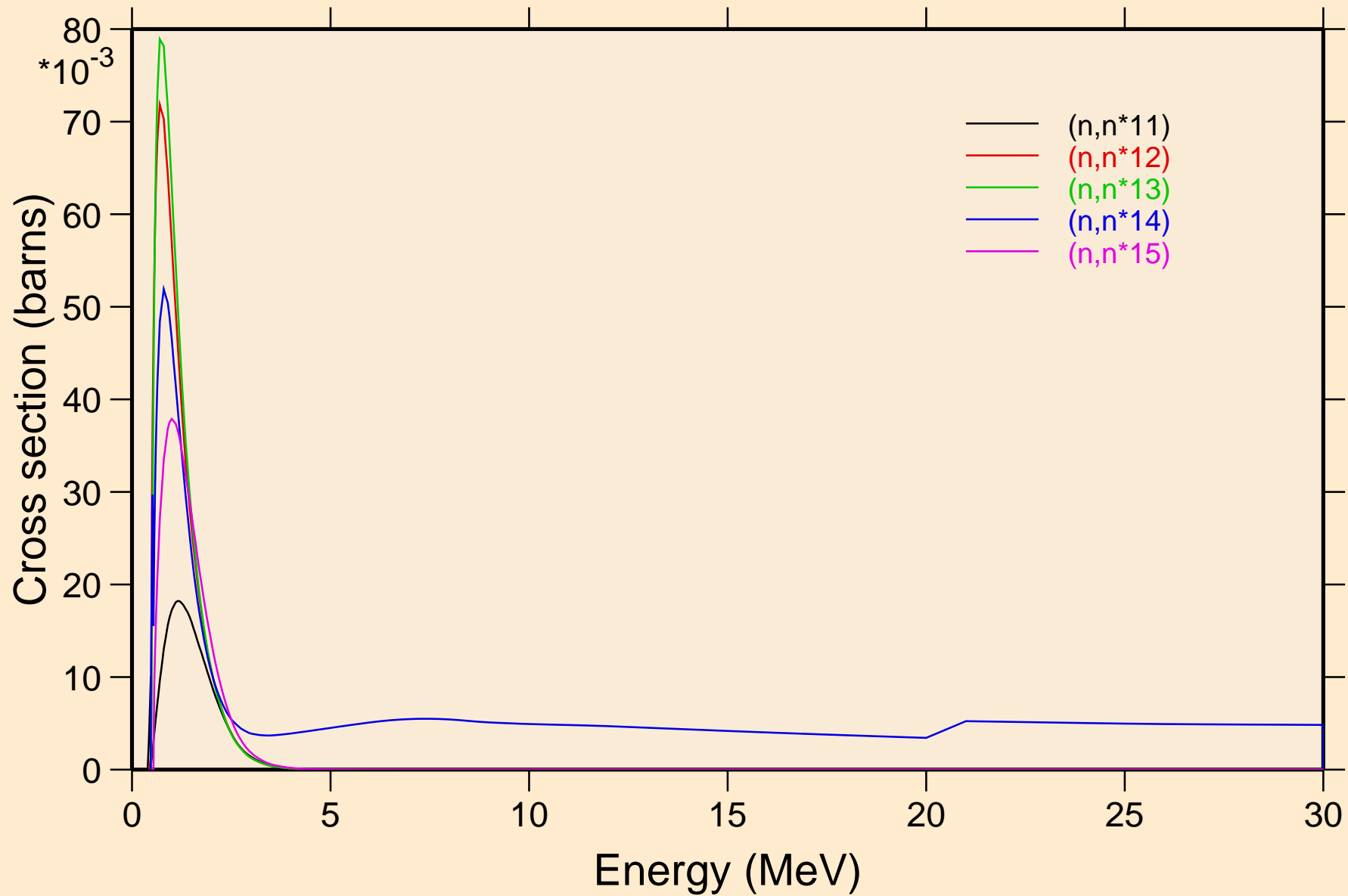
# PU239 NRG TENDL-2015, AKONING

## Inelastic levels



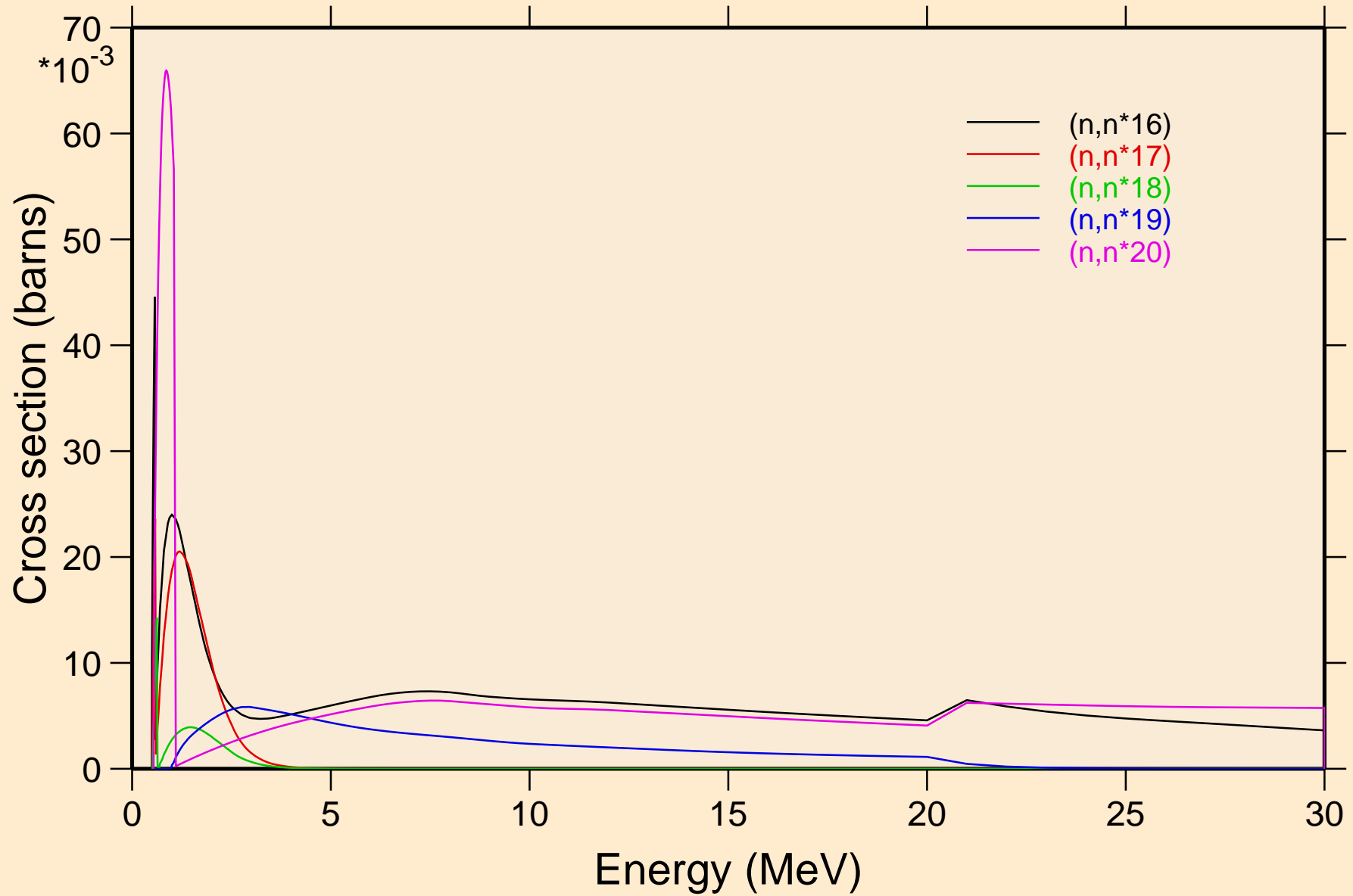
# PU239 NRG TENDL-2015, AKONING

## Inelastic levels



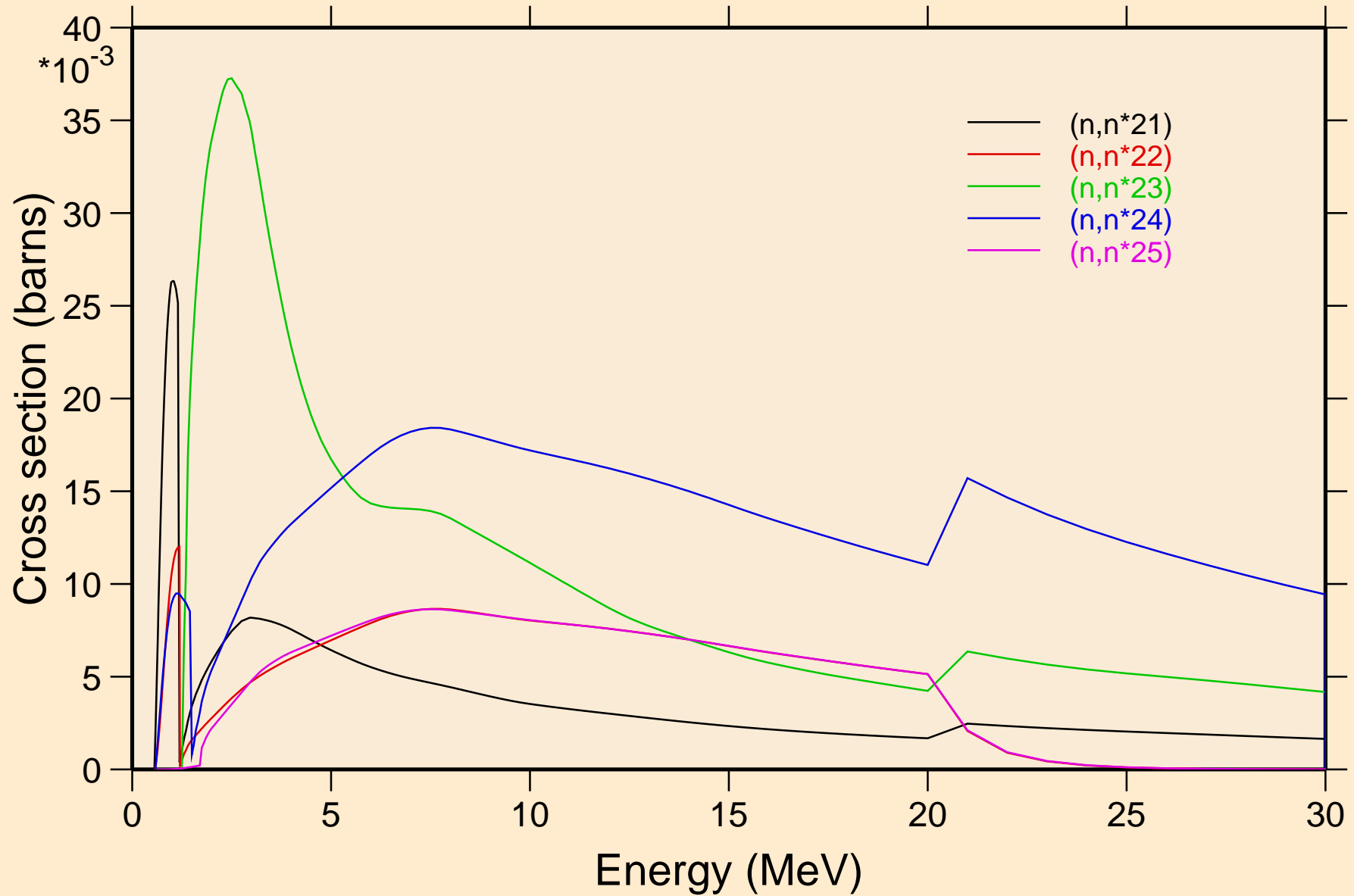
# PU239 NRG TENDL-2015, AKONING

## Inelastic levels



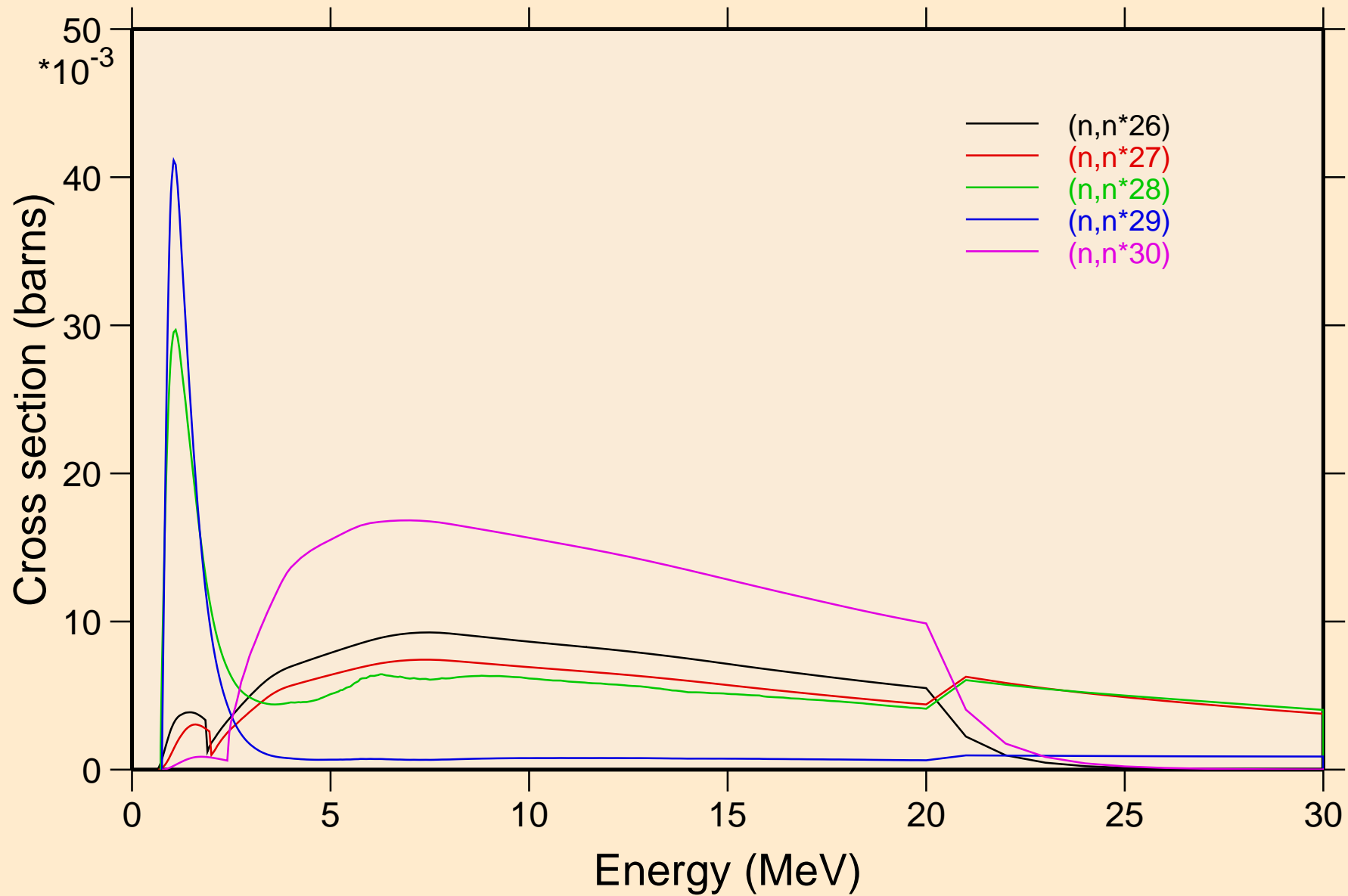
# PU239 NRG TENDL-2015, AKONING

## Inelastic levels



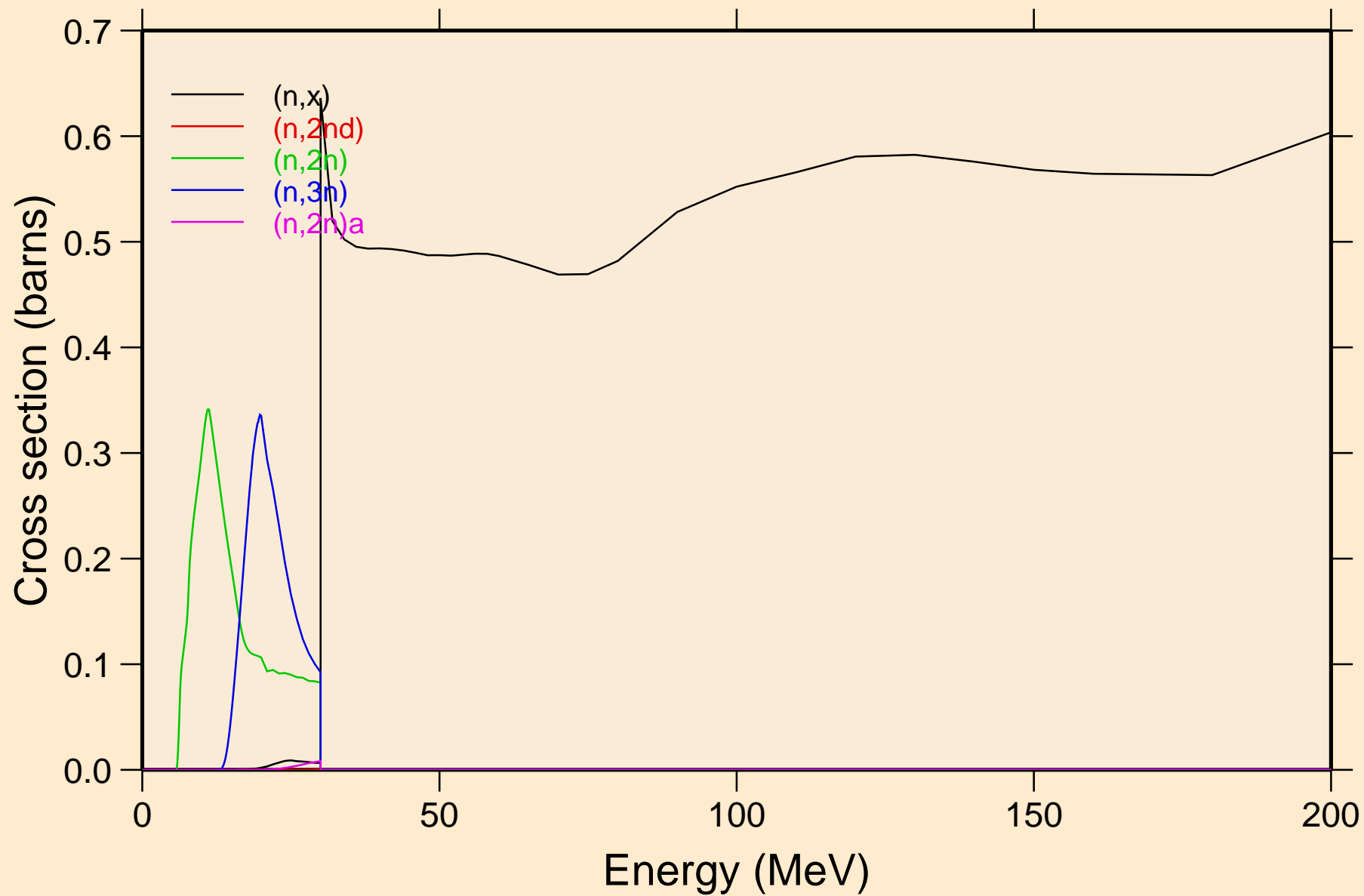
# PU239 NRG TENDL-2015, AKONING

## Inelastic levels



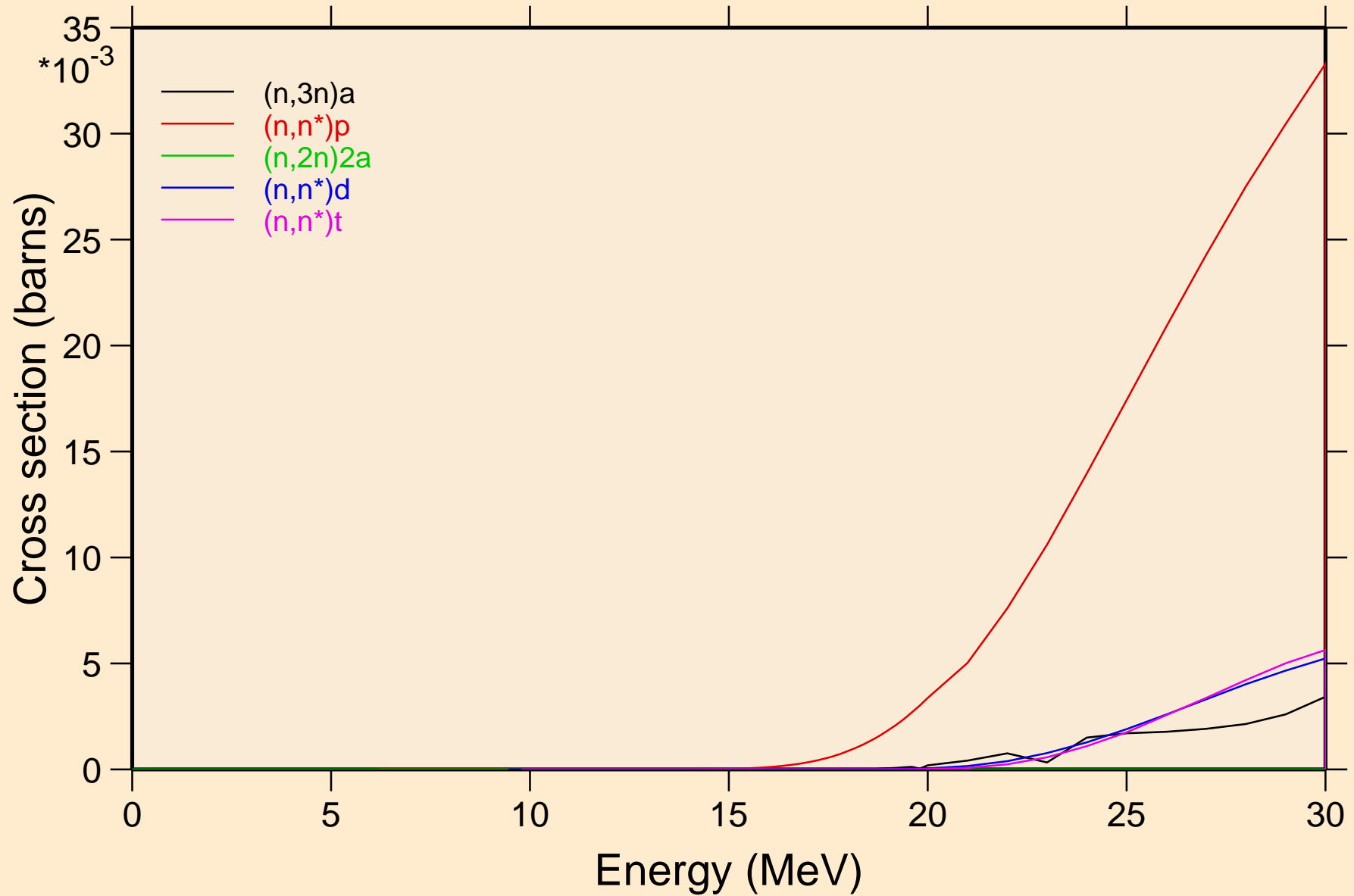
# PU239 NRG TENDL-2015, AKONING

## Threshold reactions



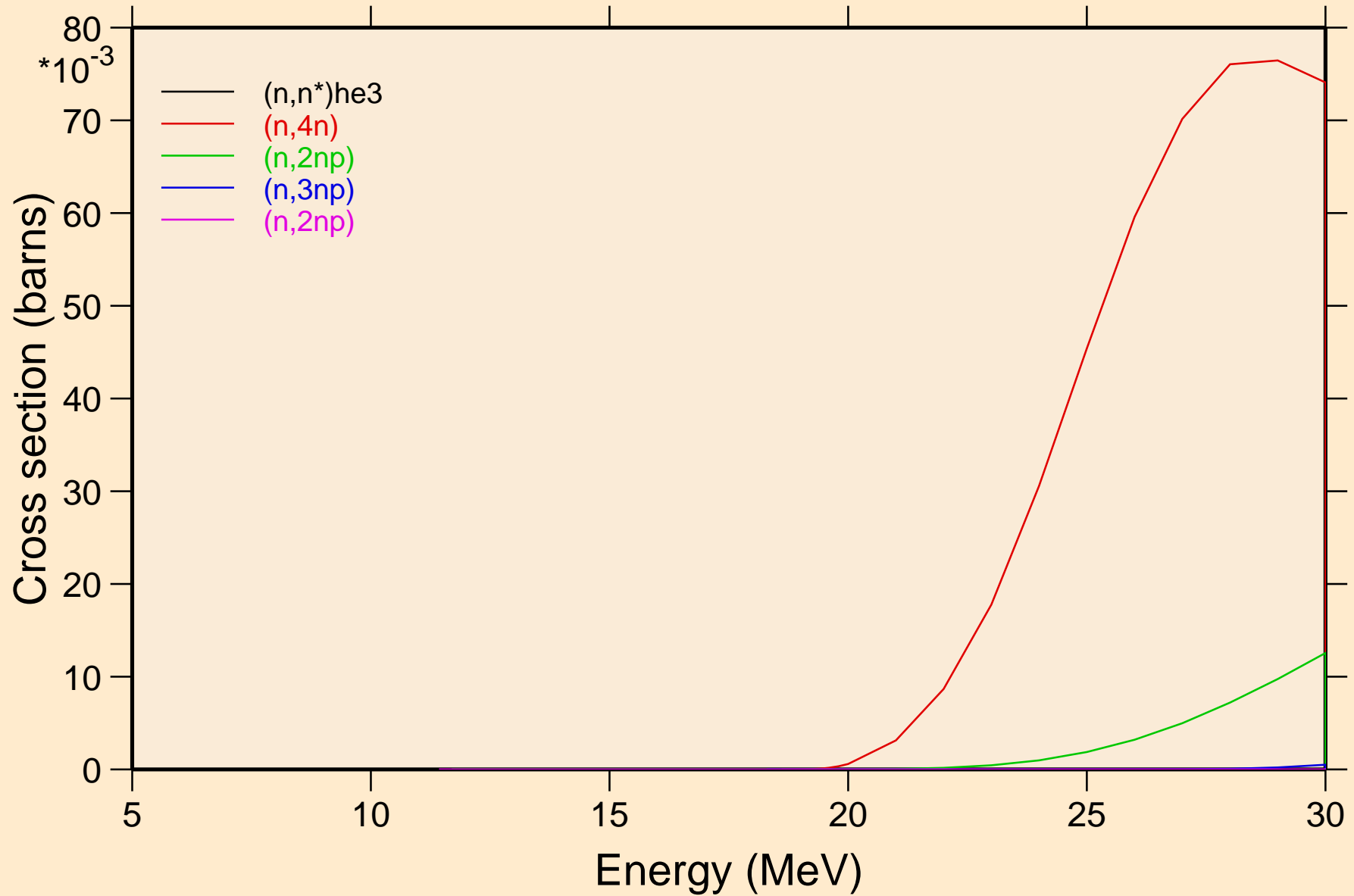
# PU239 NRG TENDL-2015, AKONING

## Threshold reactions



# PU239 NRG TENDL-2015, AKONING

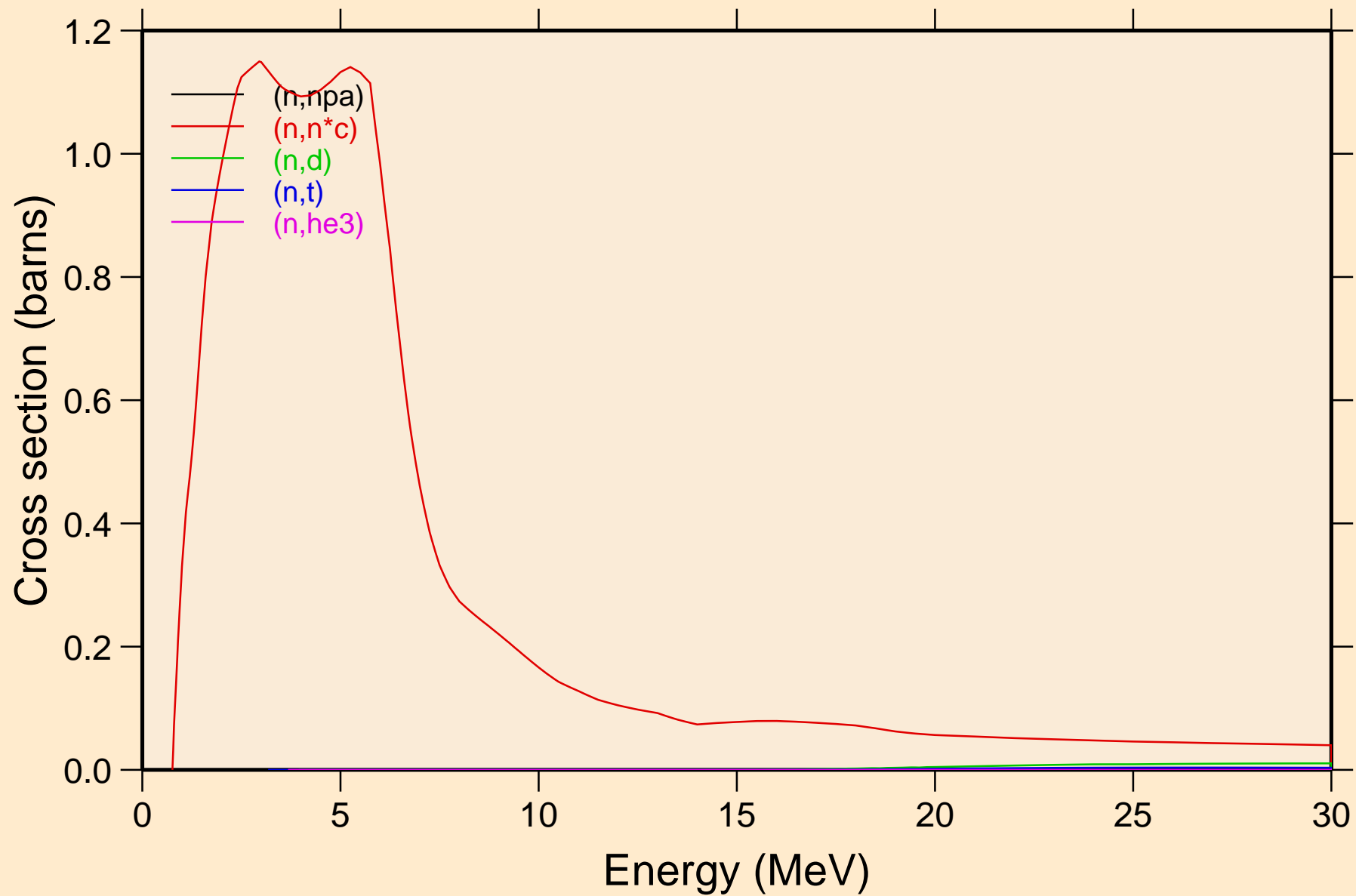
## Threshold reactions





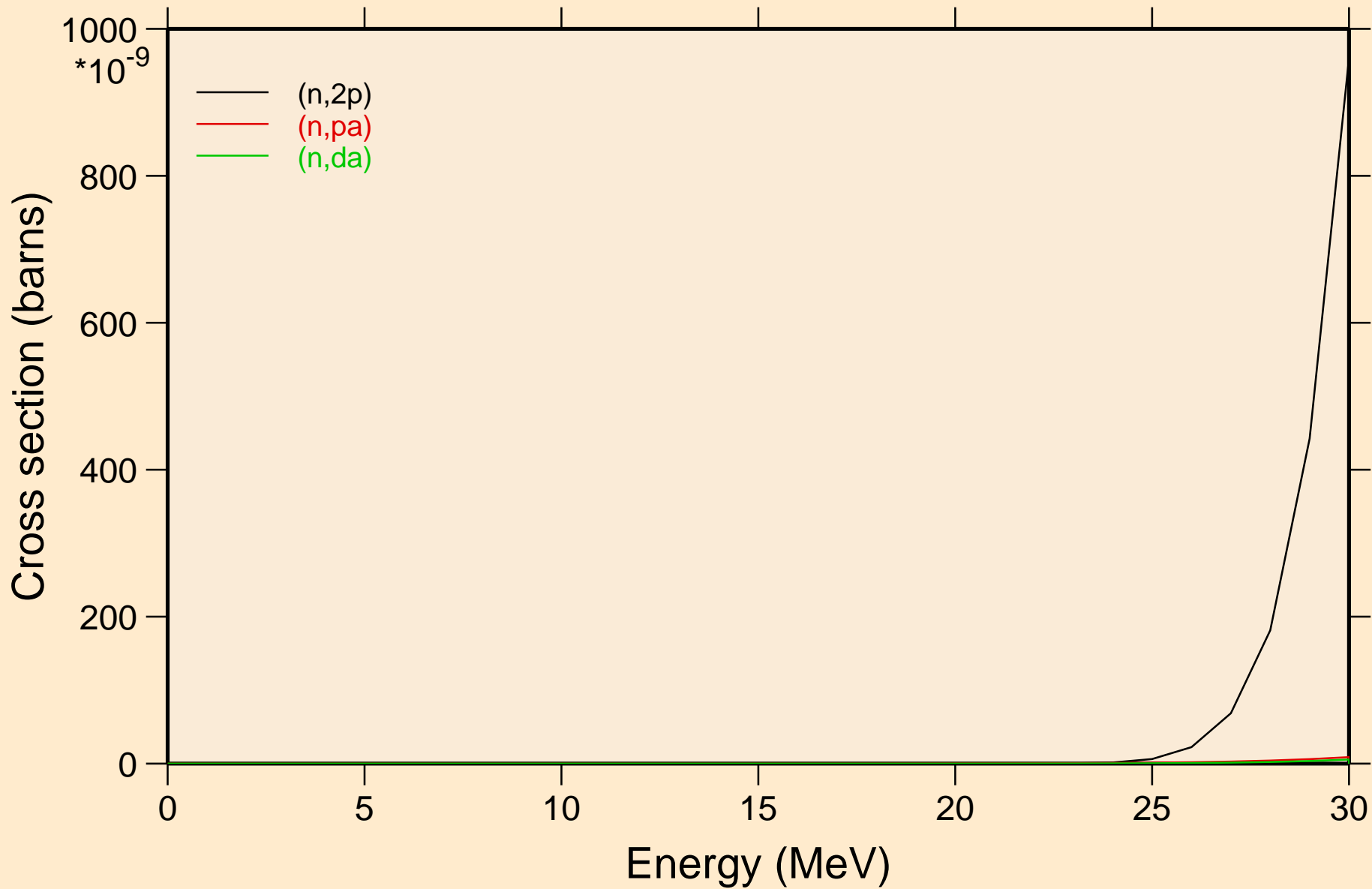
# PU239 NRG TENDL-2015, AKONING

## Threshold reactions

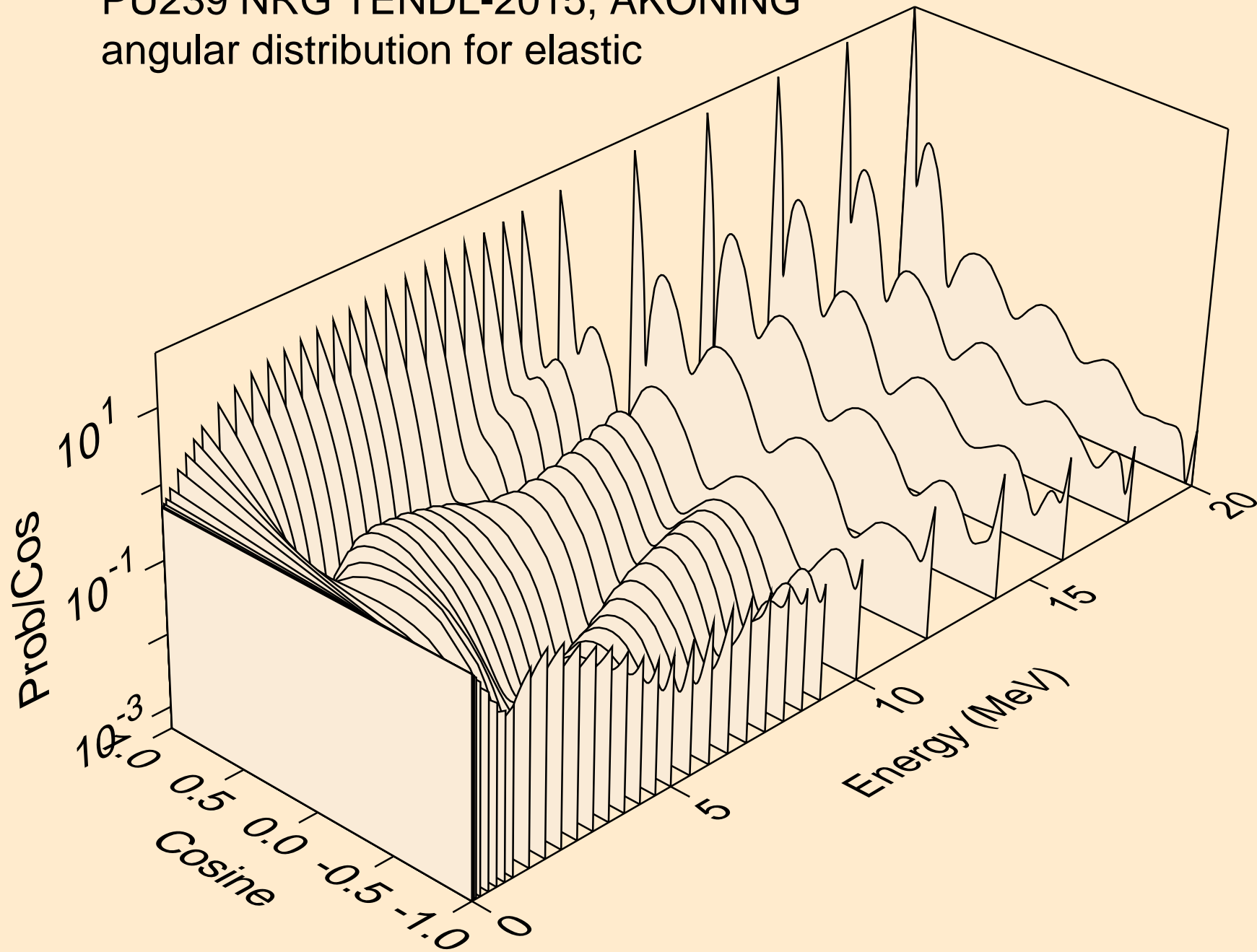


# PU239 NRG TENDL-2015, AKONING

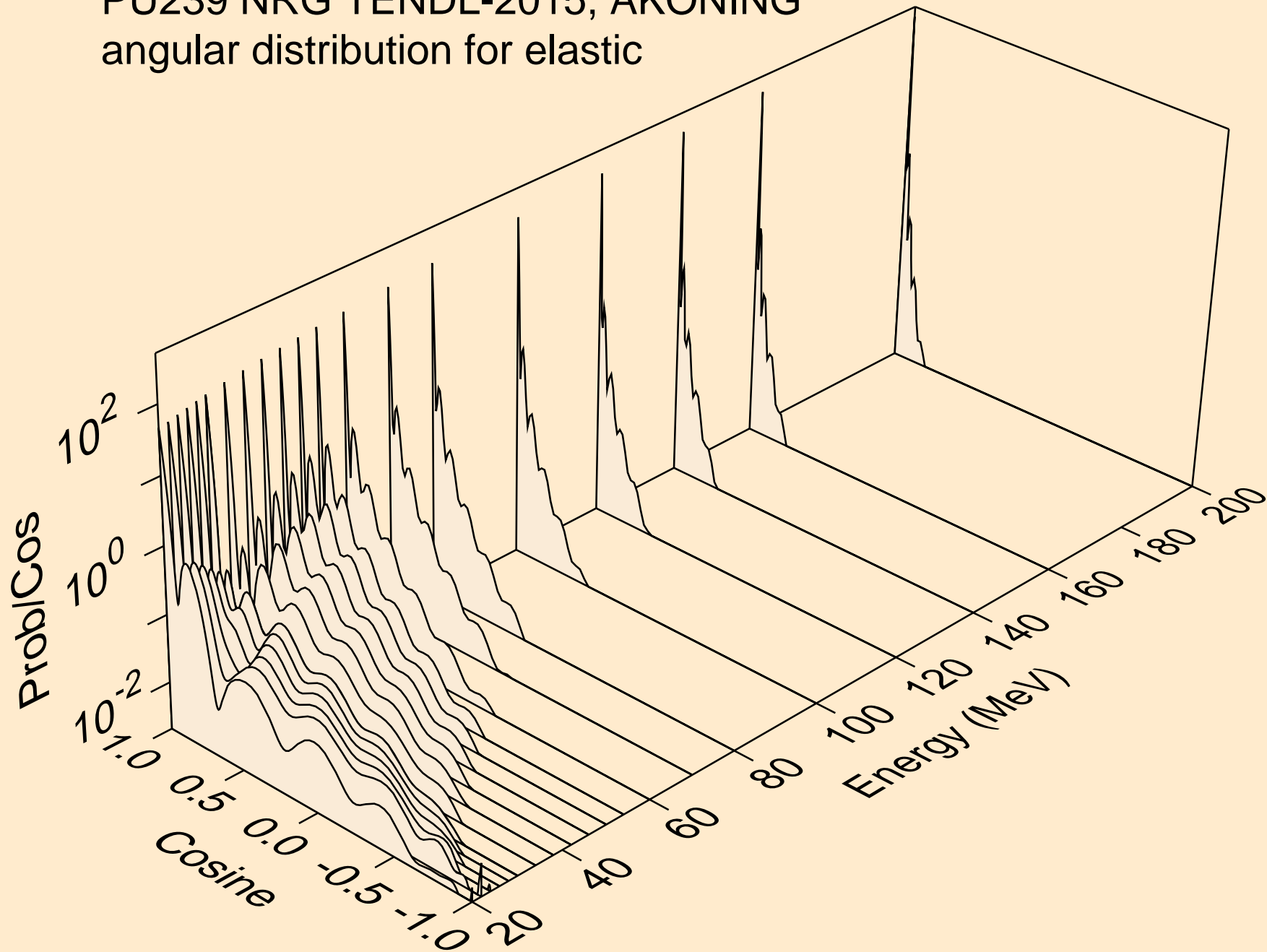
## Threshold reactions



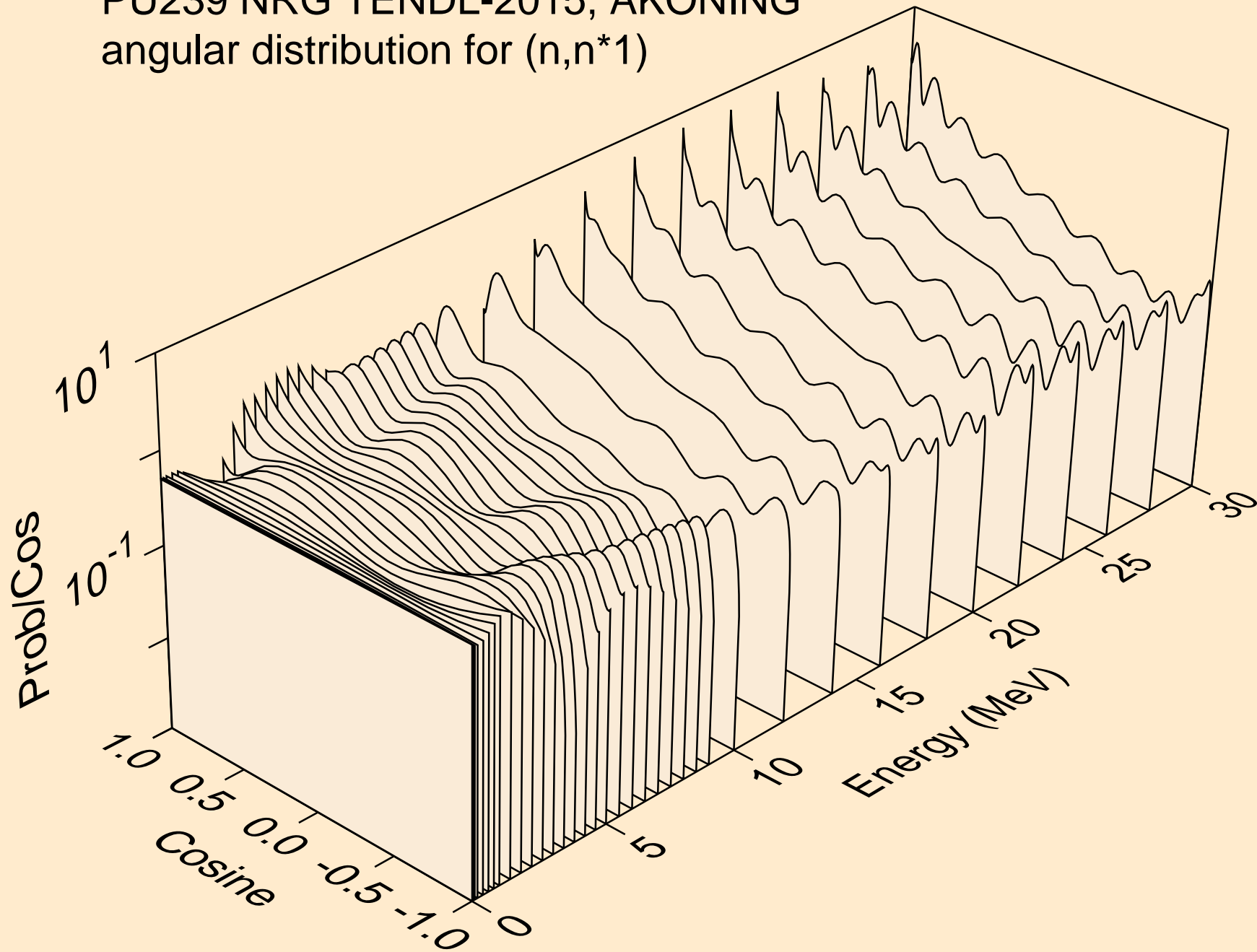
PU239 NRG TENDL-2015, AKONING  
angular distribution for elastic



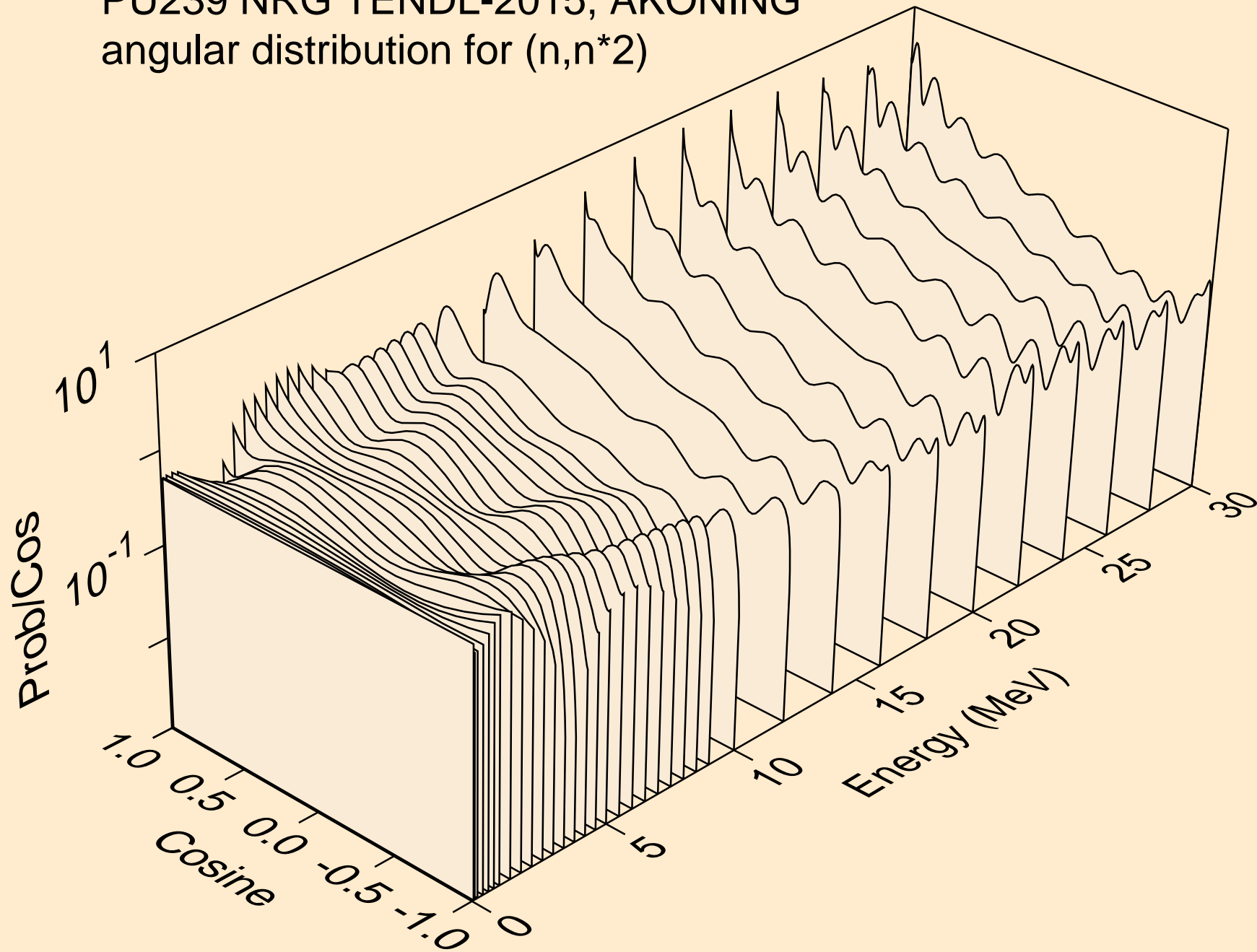
PU239 NRG TENDL-2015, AKONING  
angular distribution for elastic



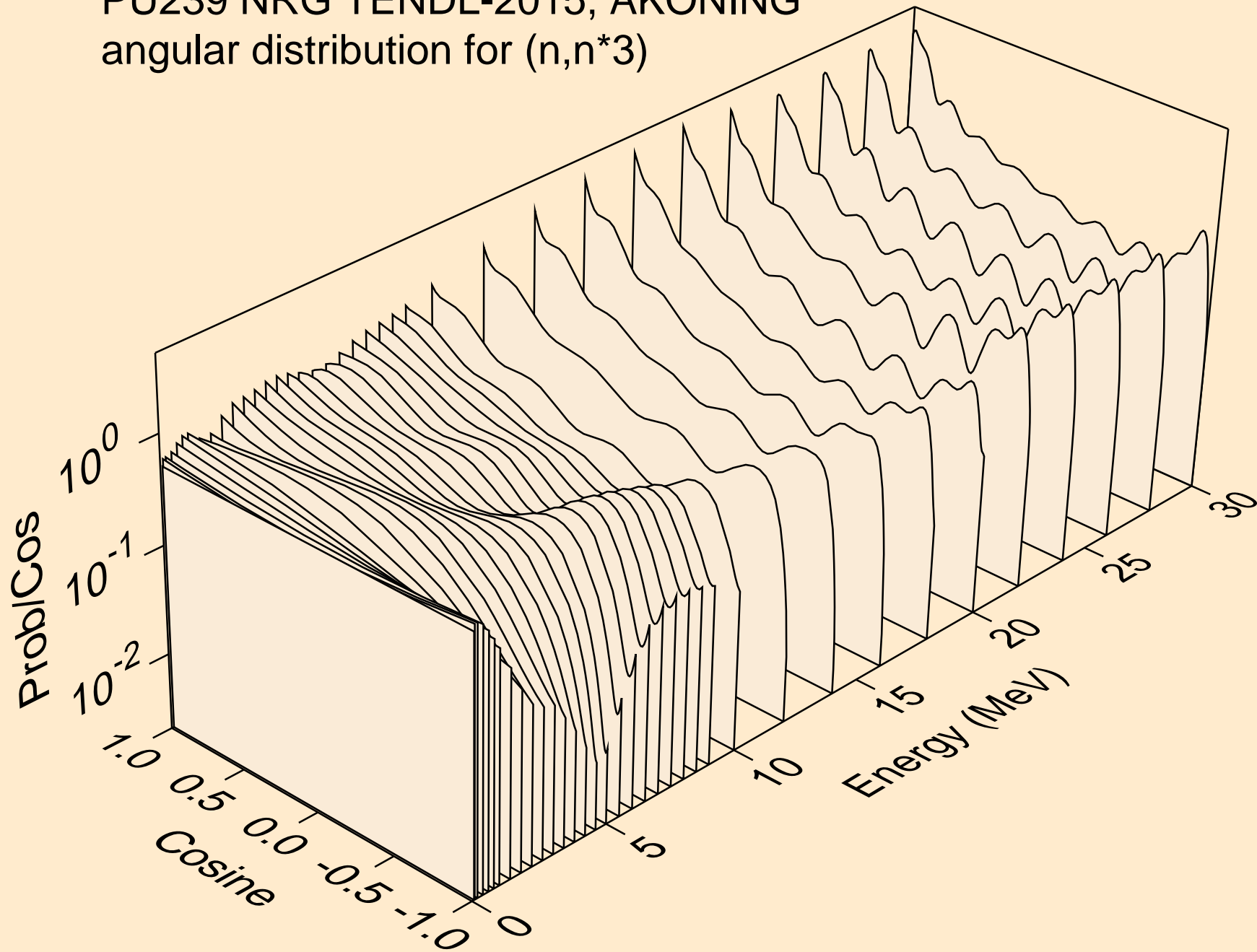
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



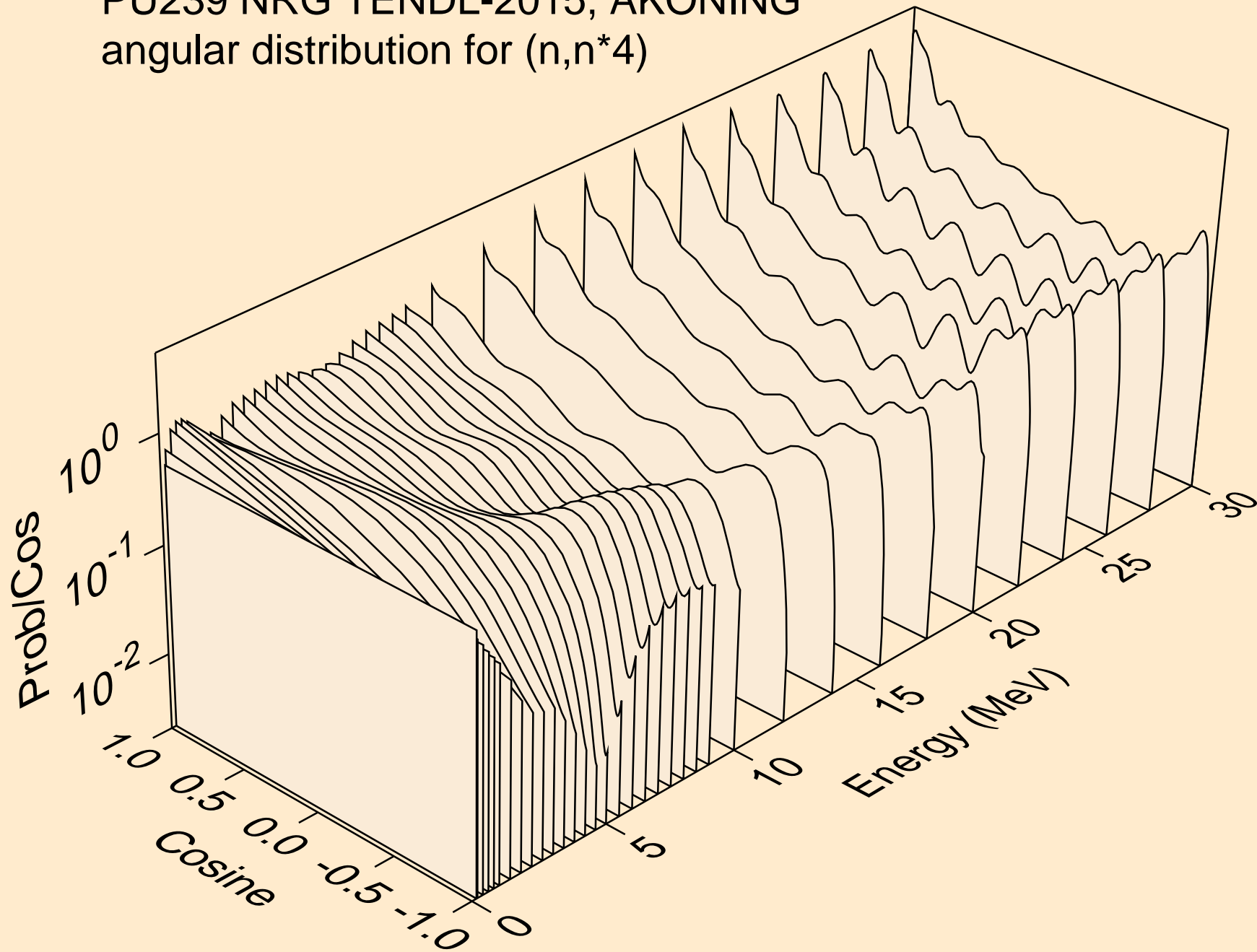
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)

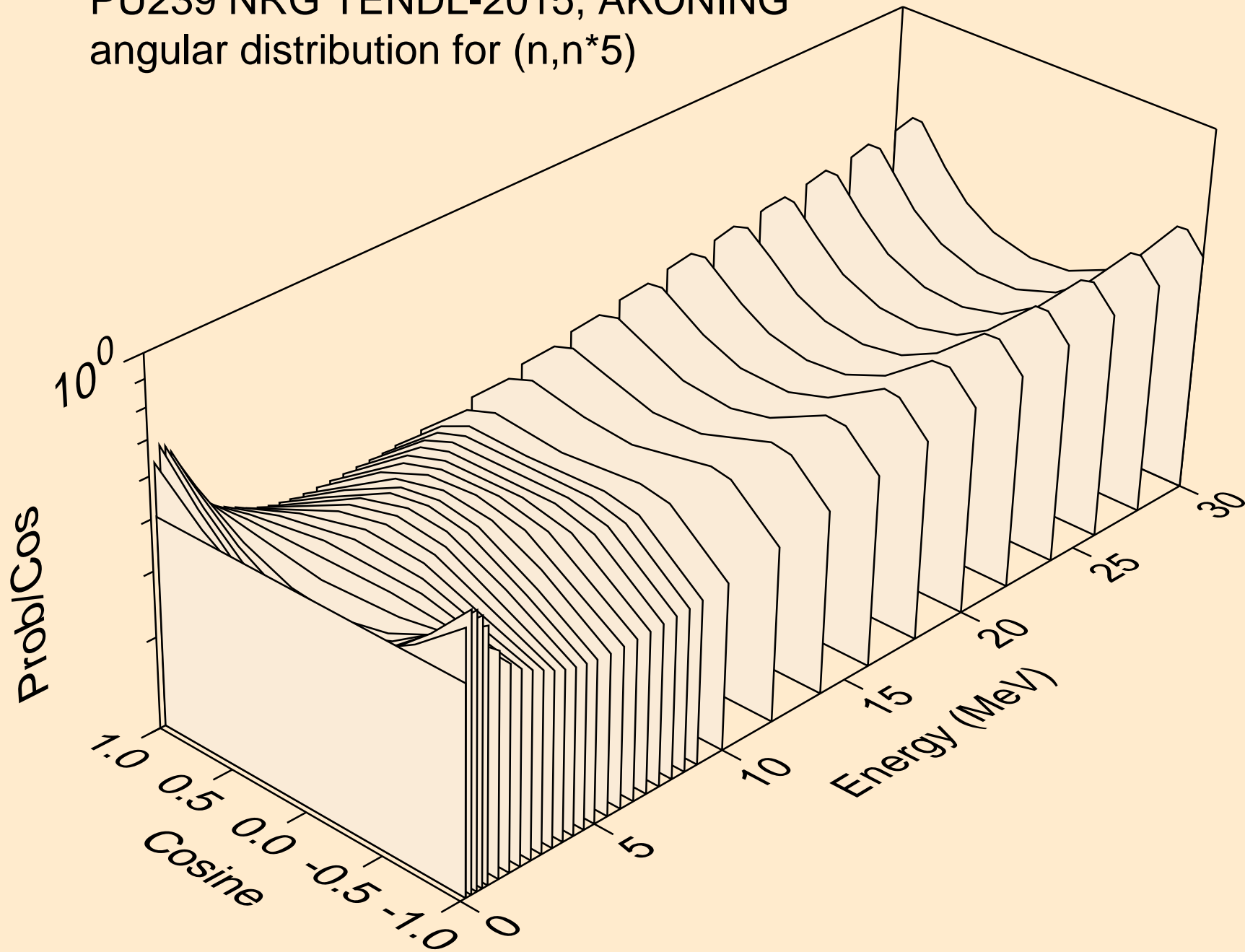


PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)

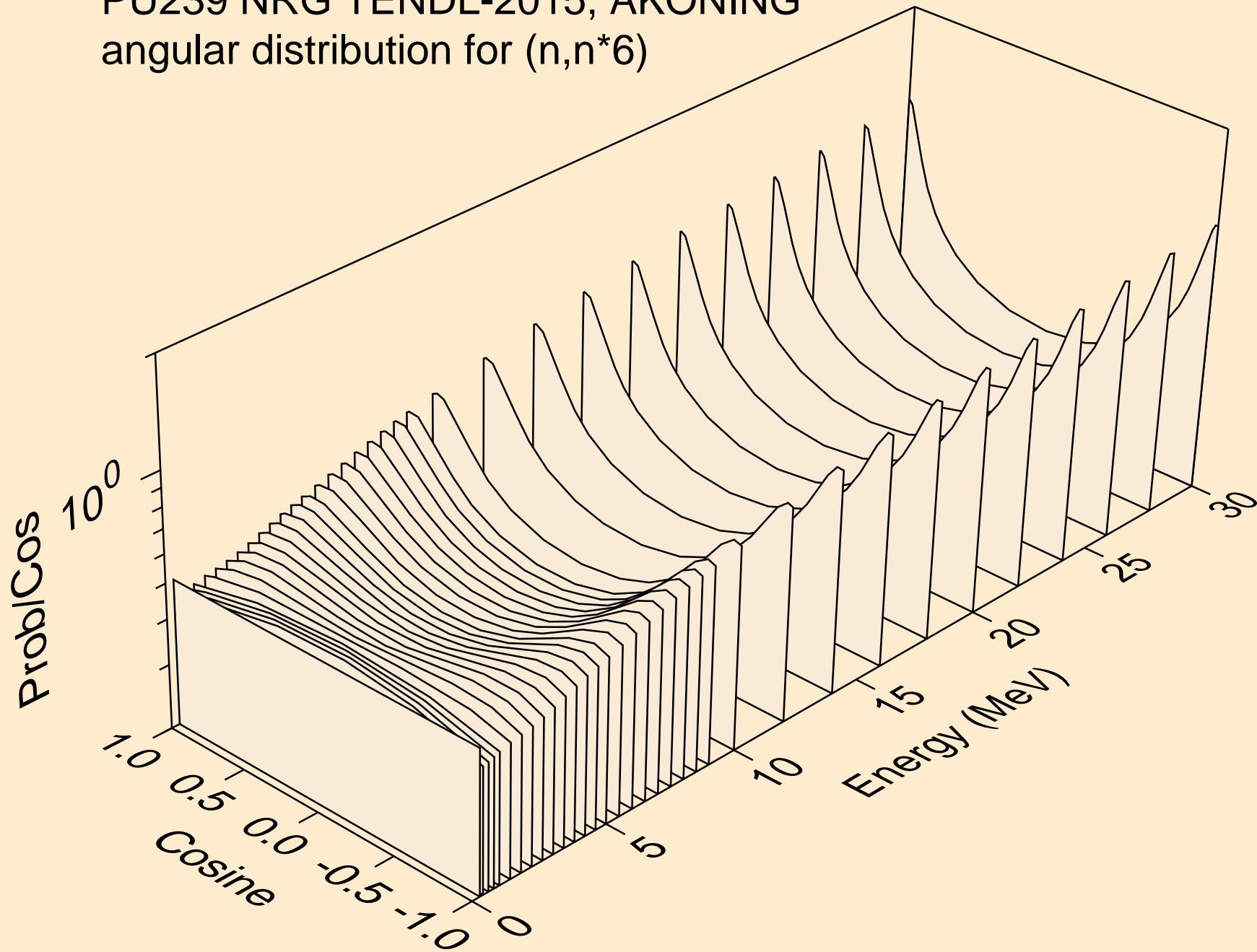




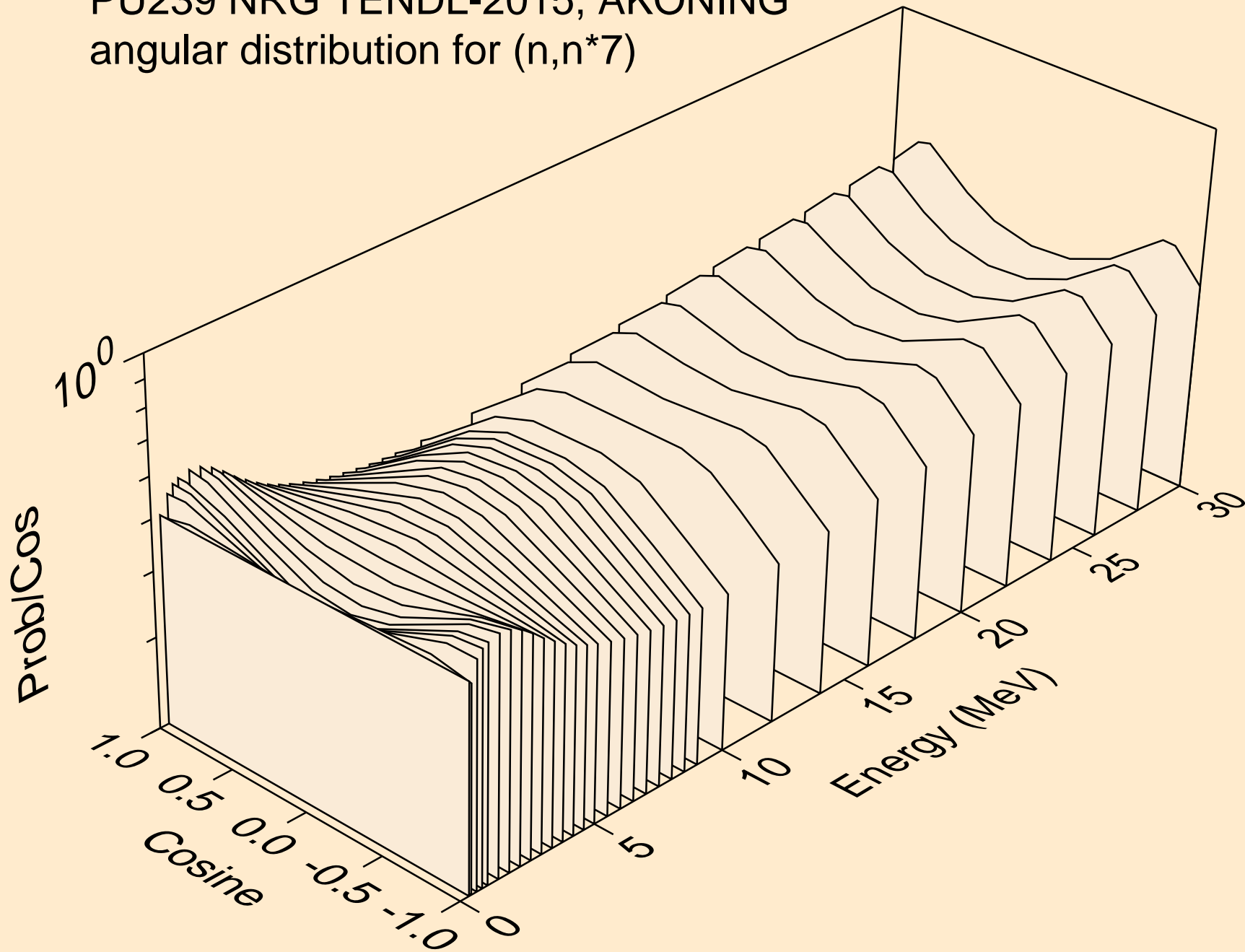
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



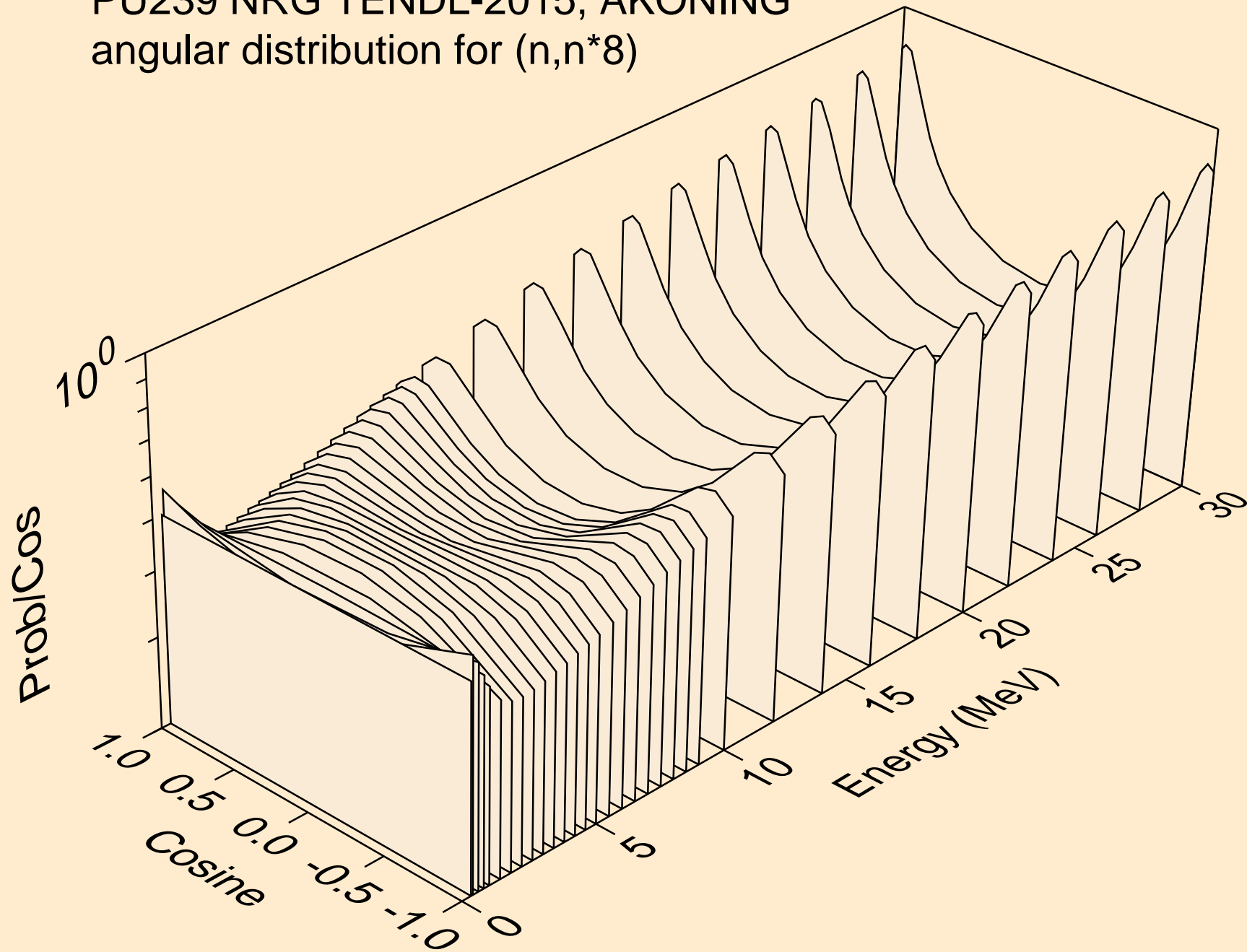
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



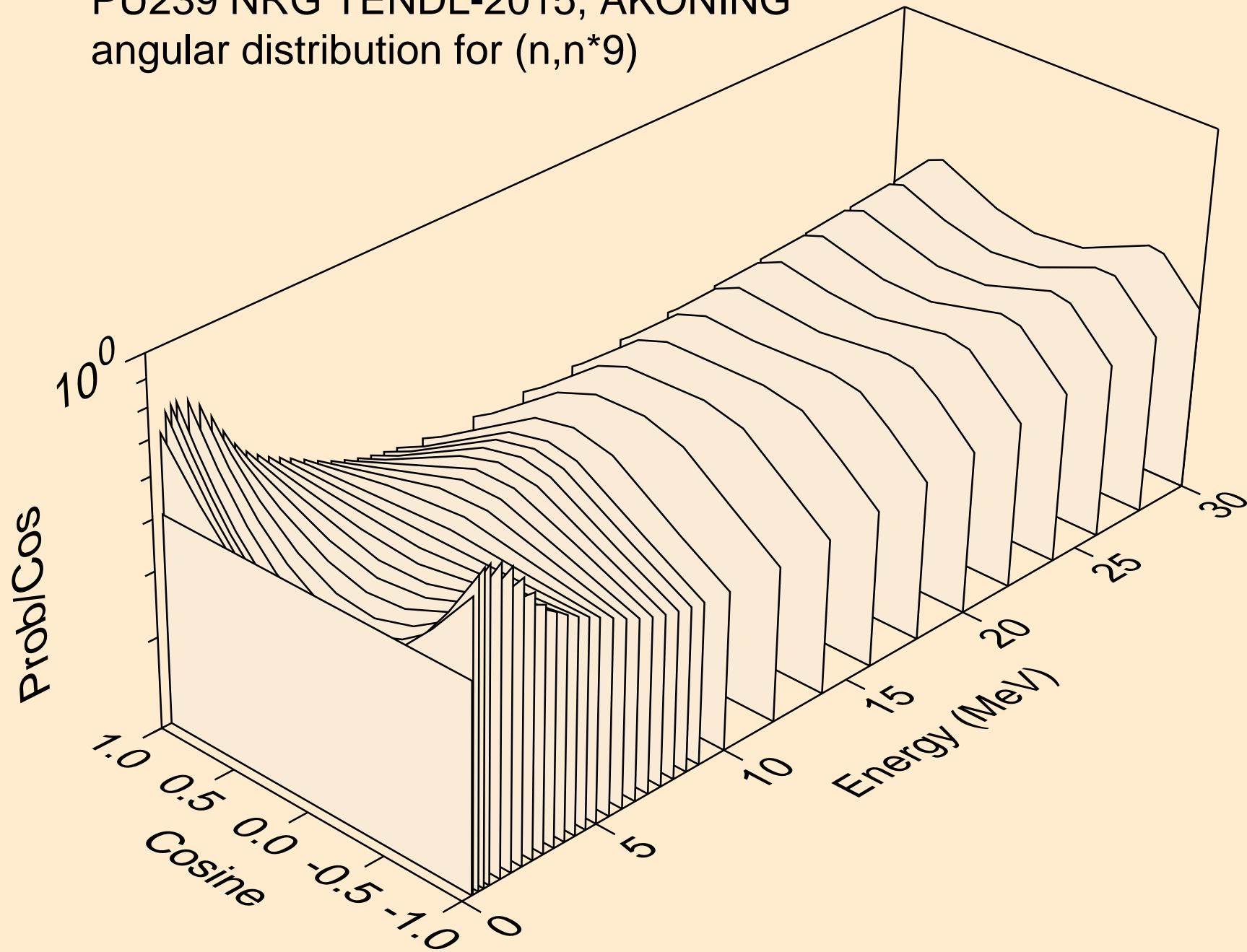
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



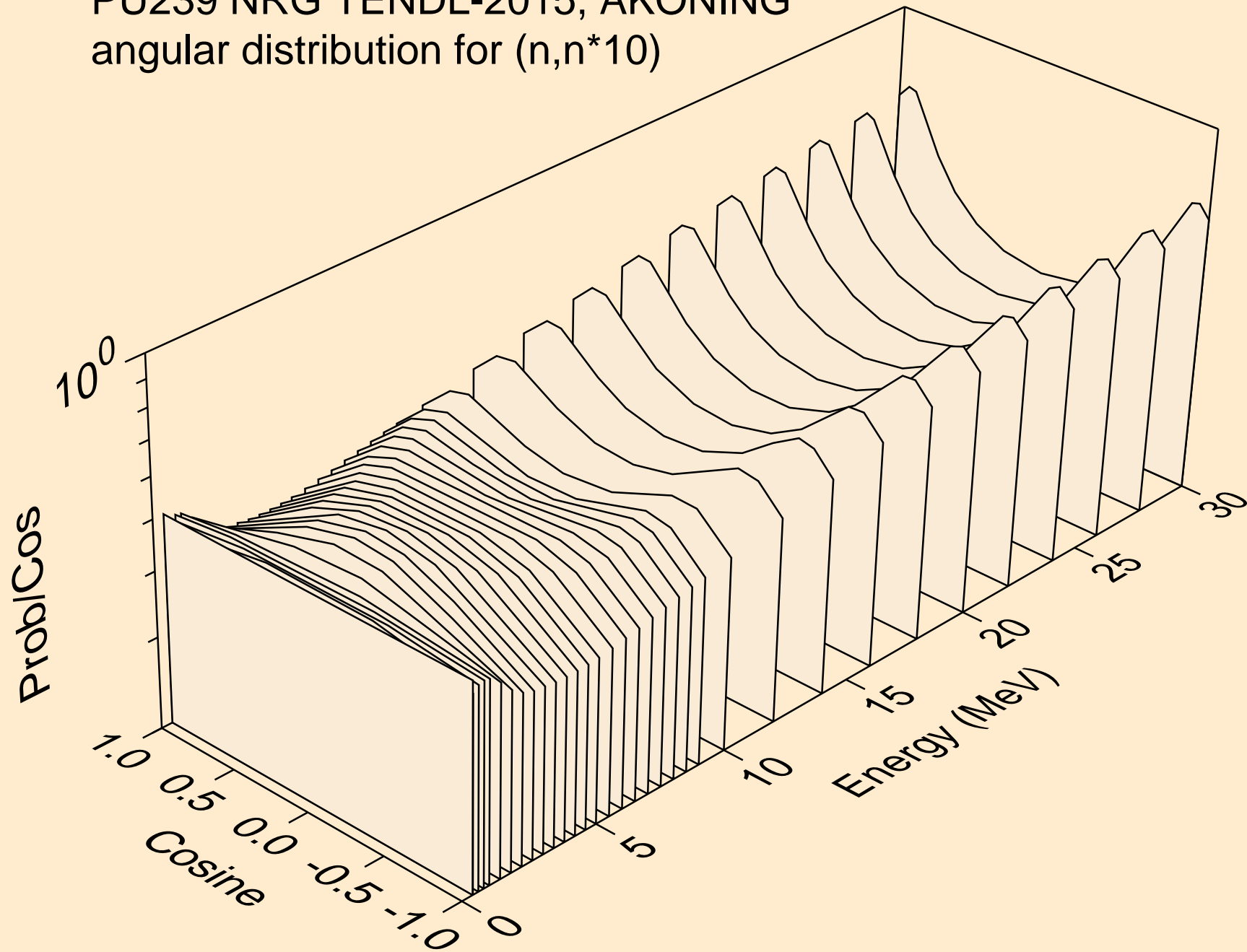
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



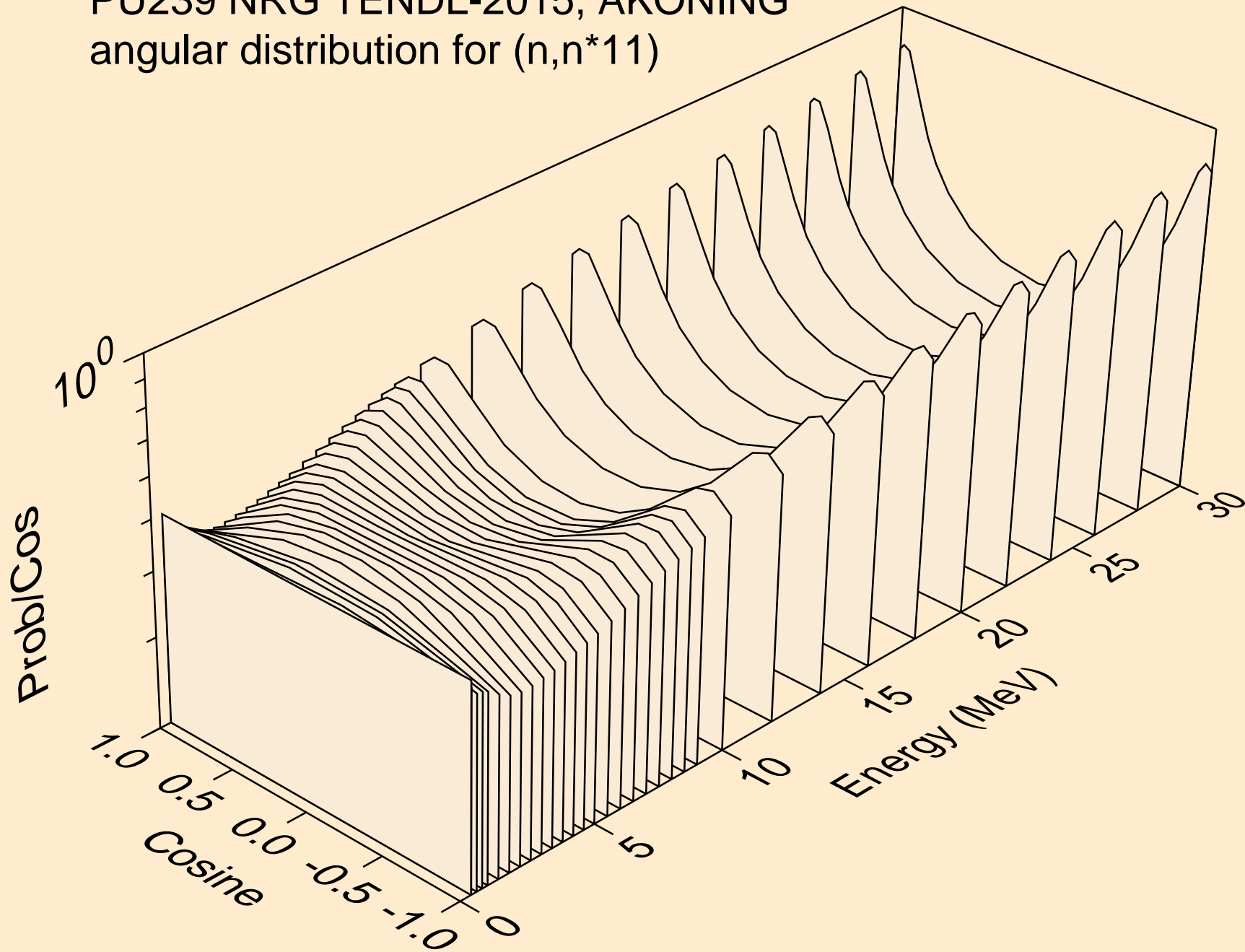
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



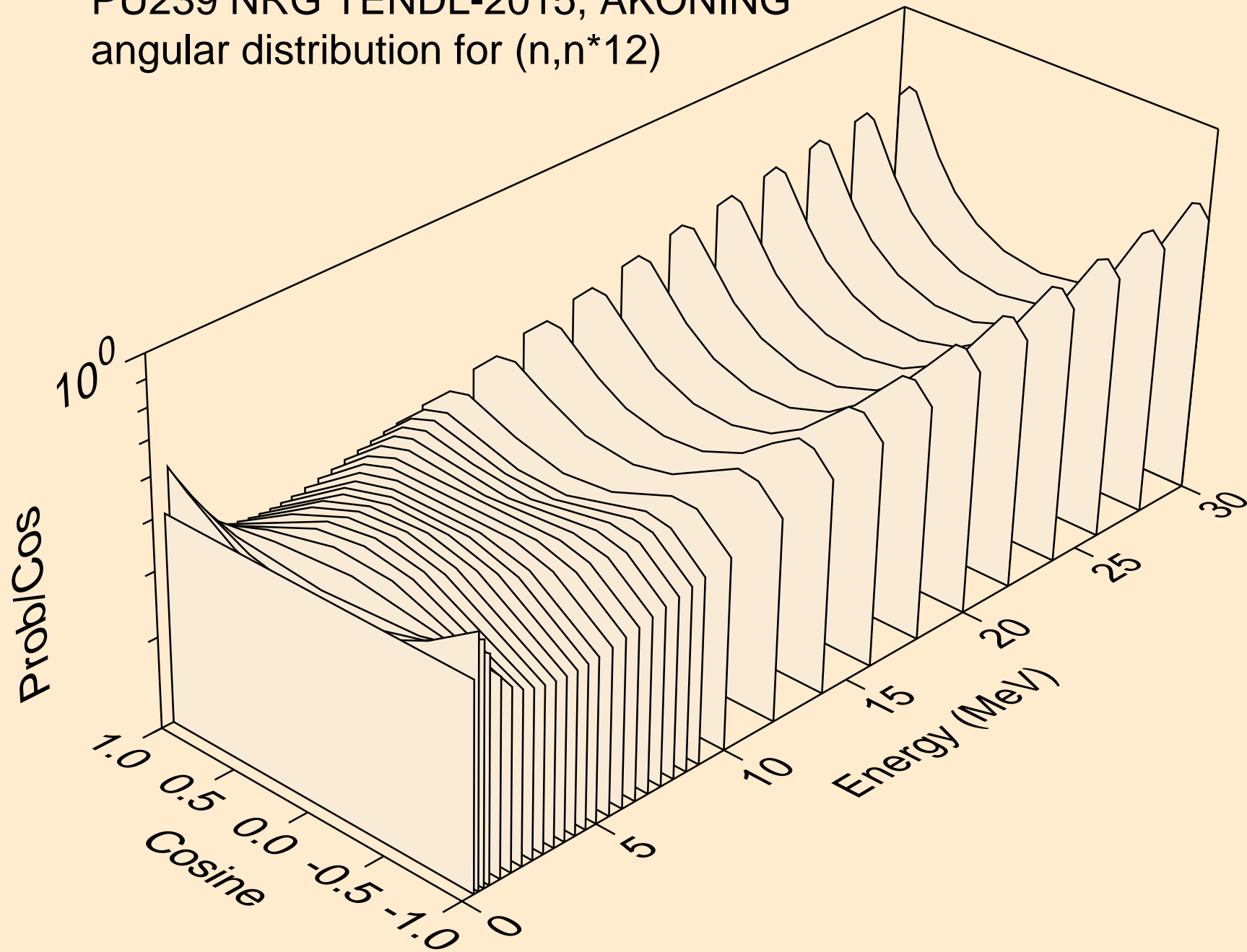
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)

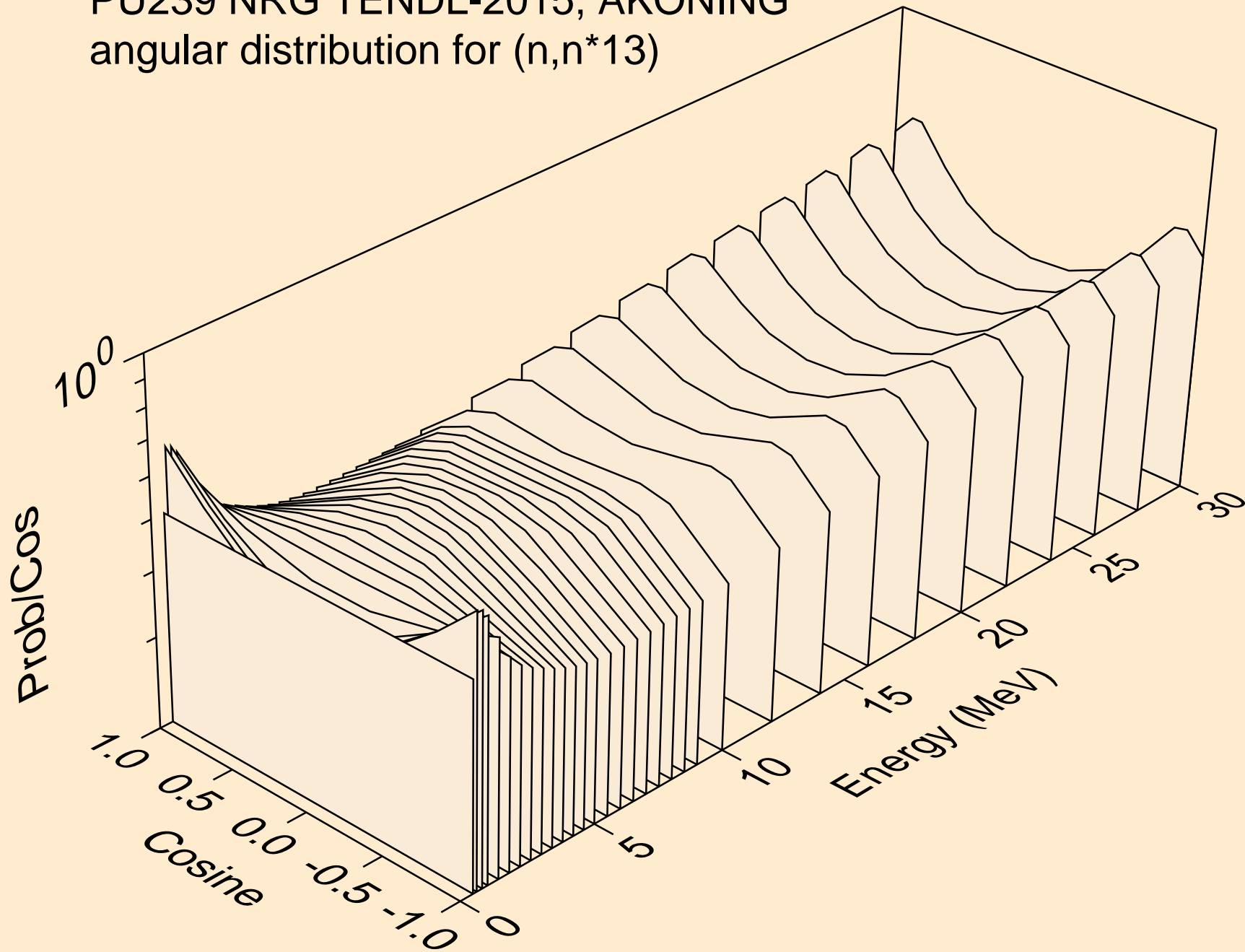


PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)

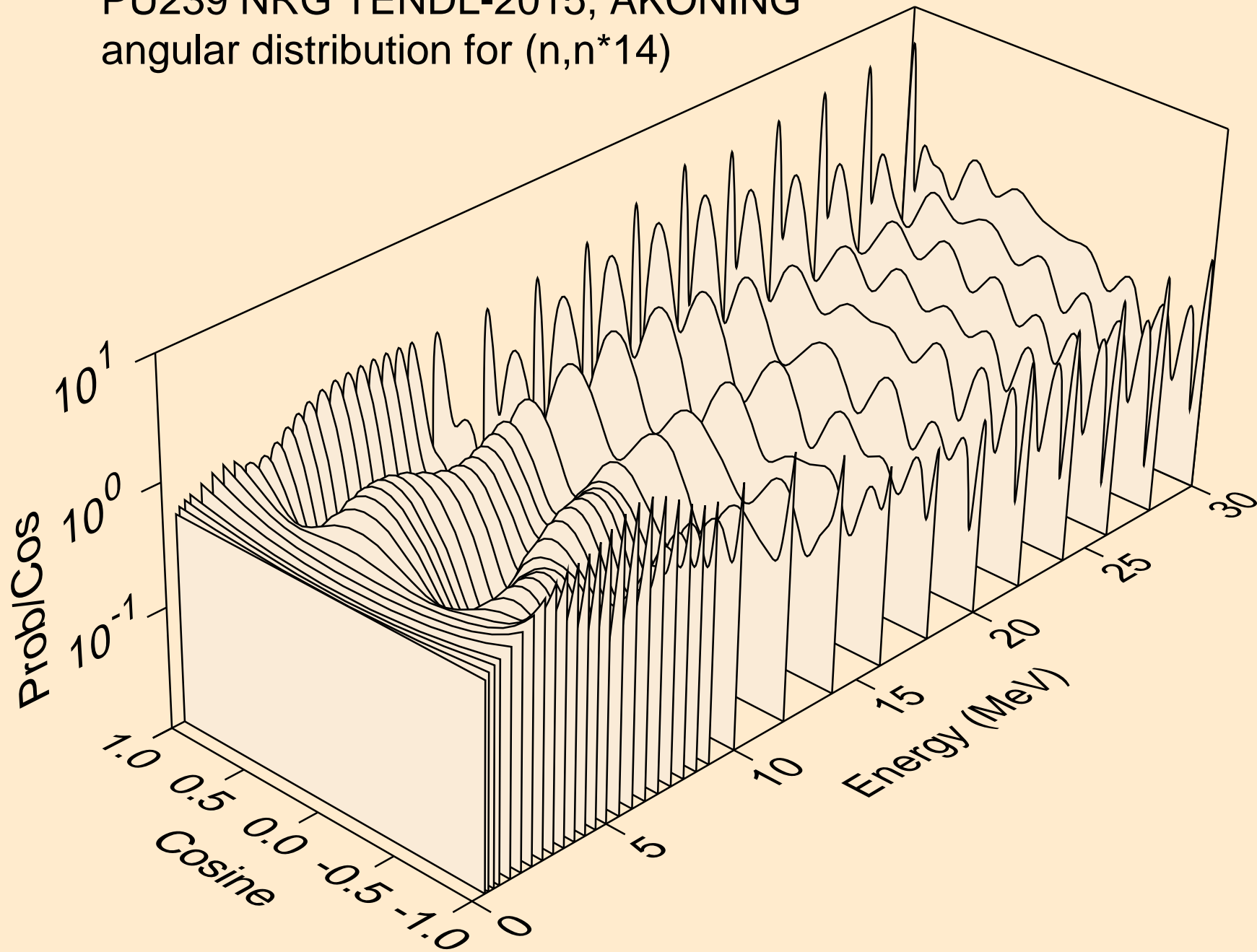




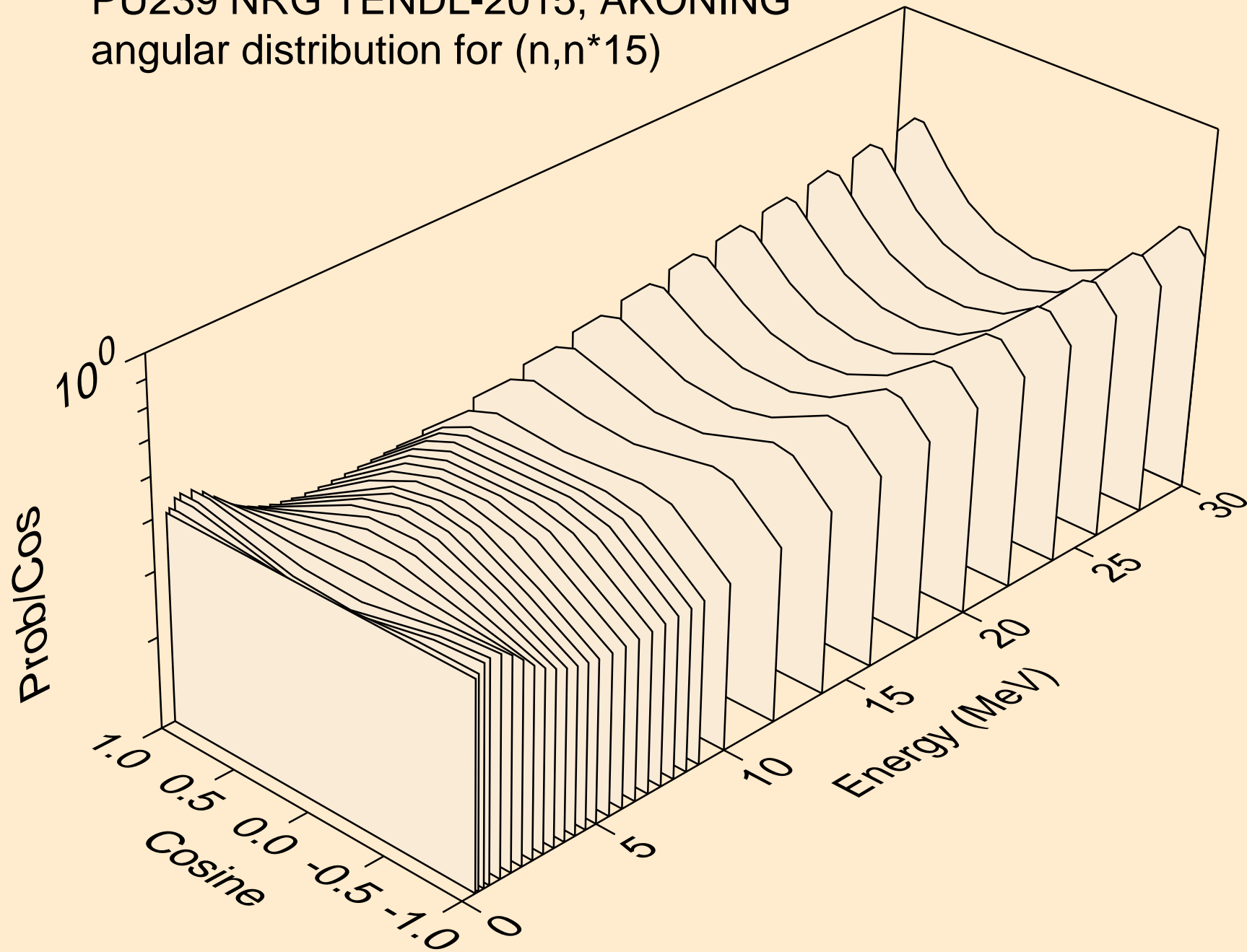
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



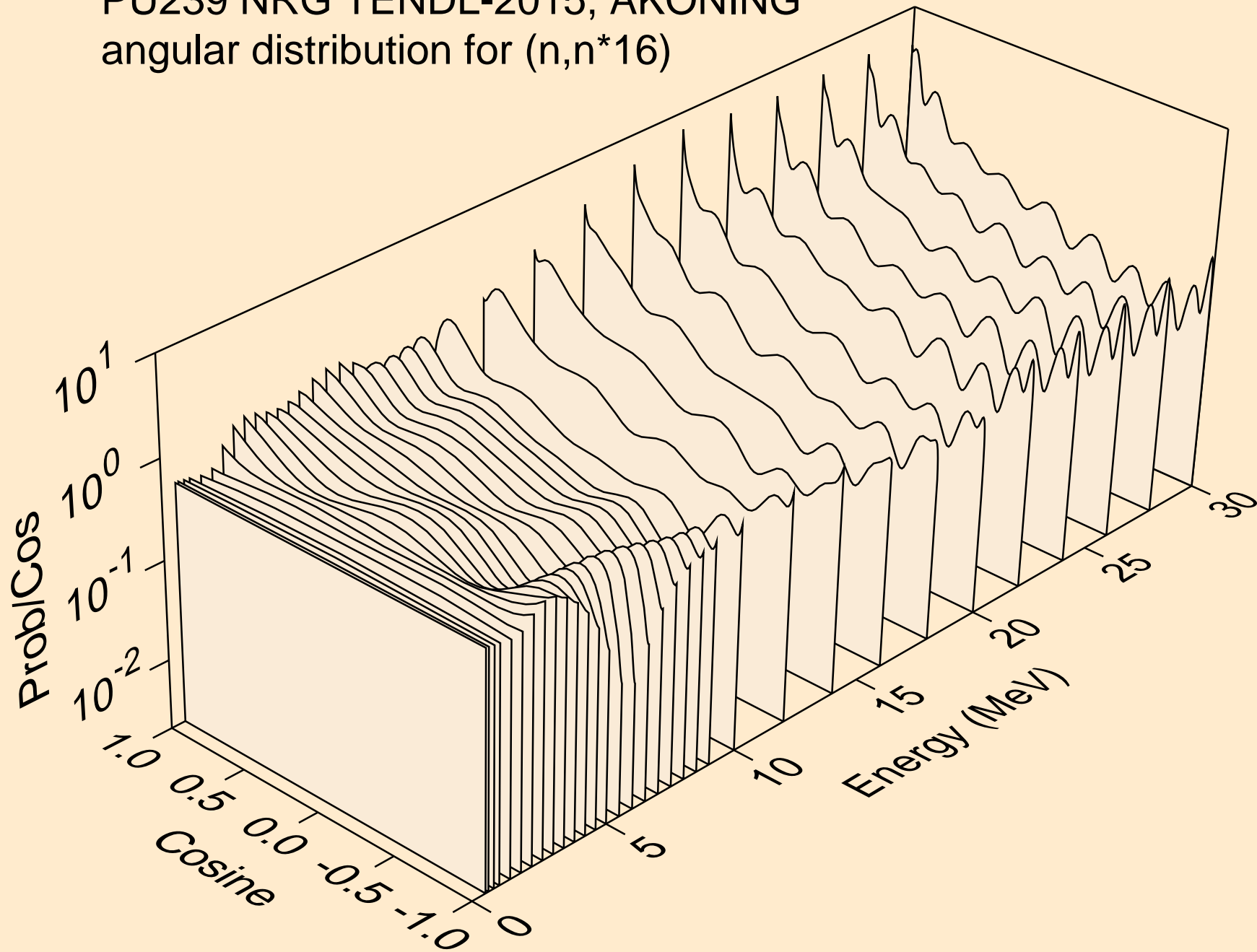
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



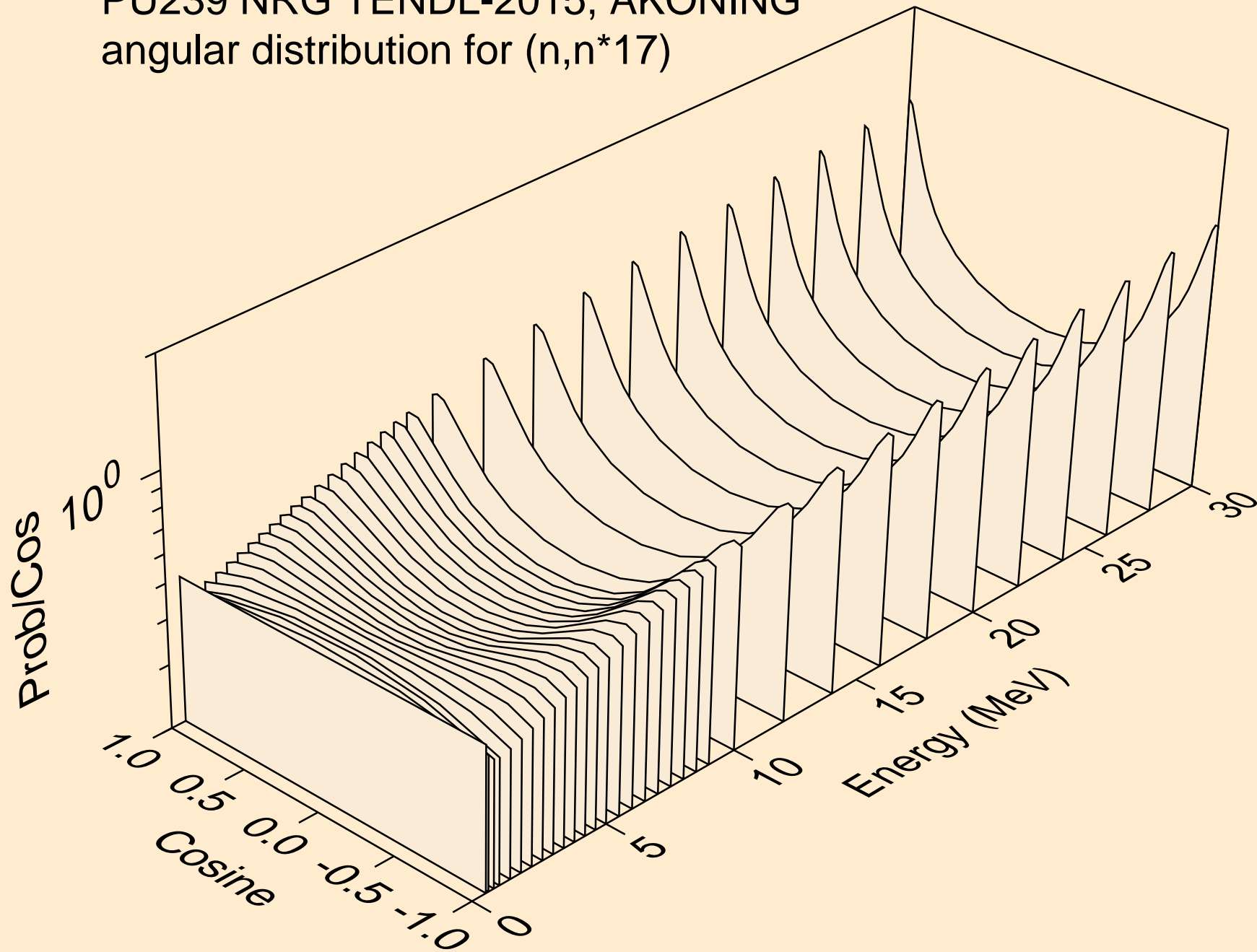
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



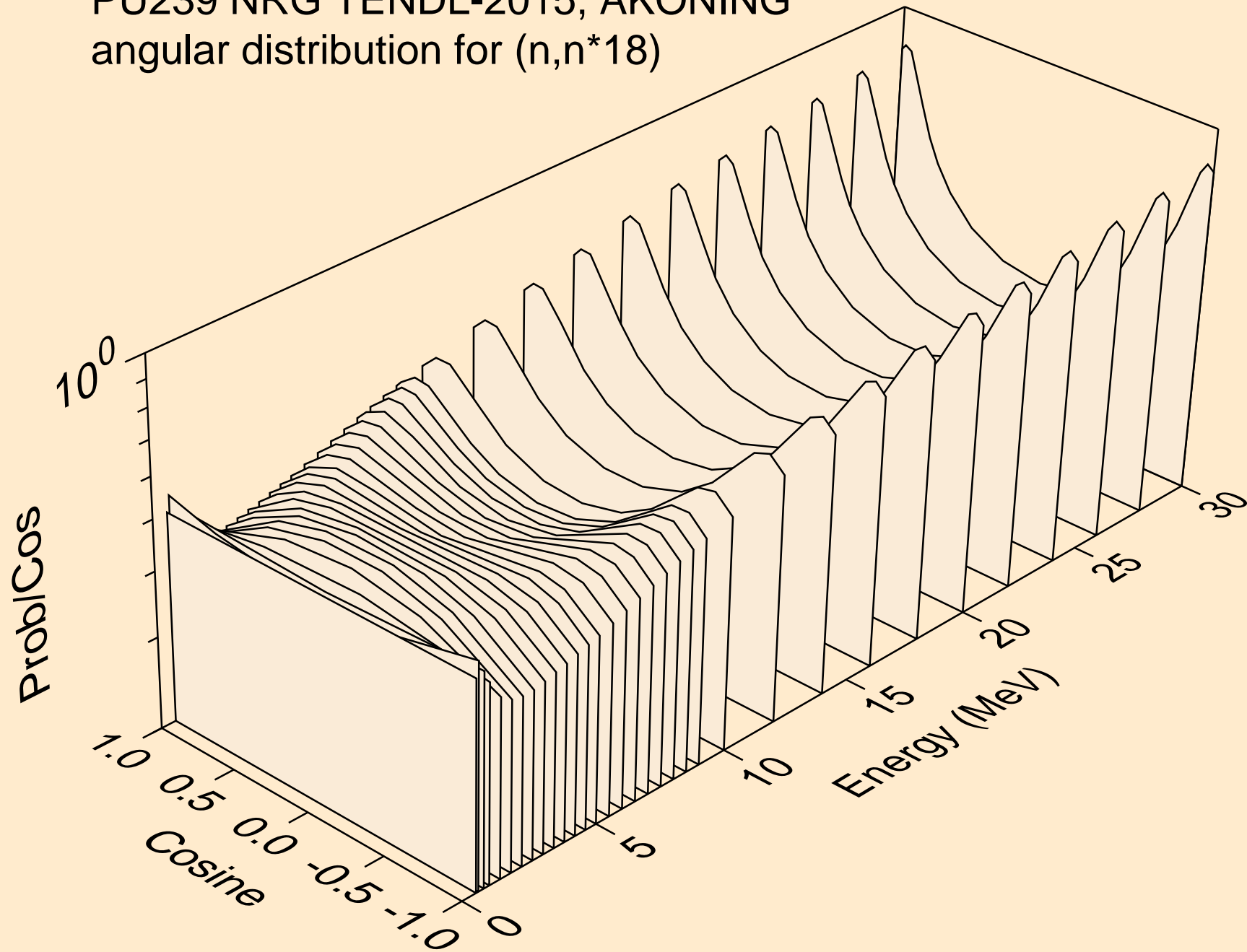
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



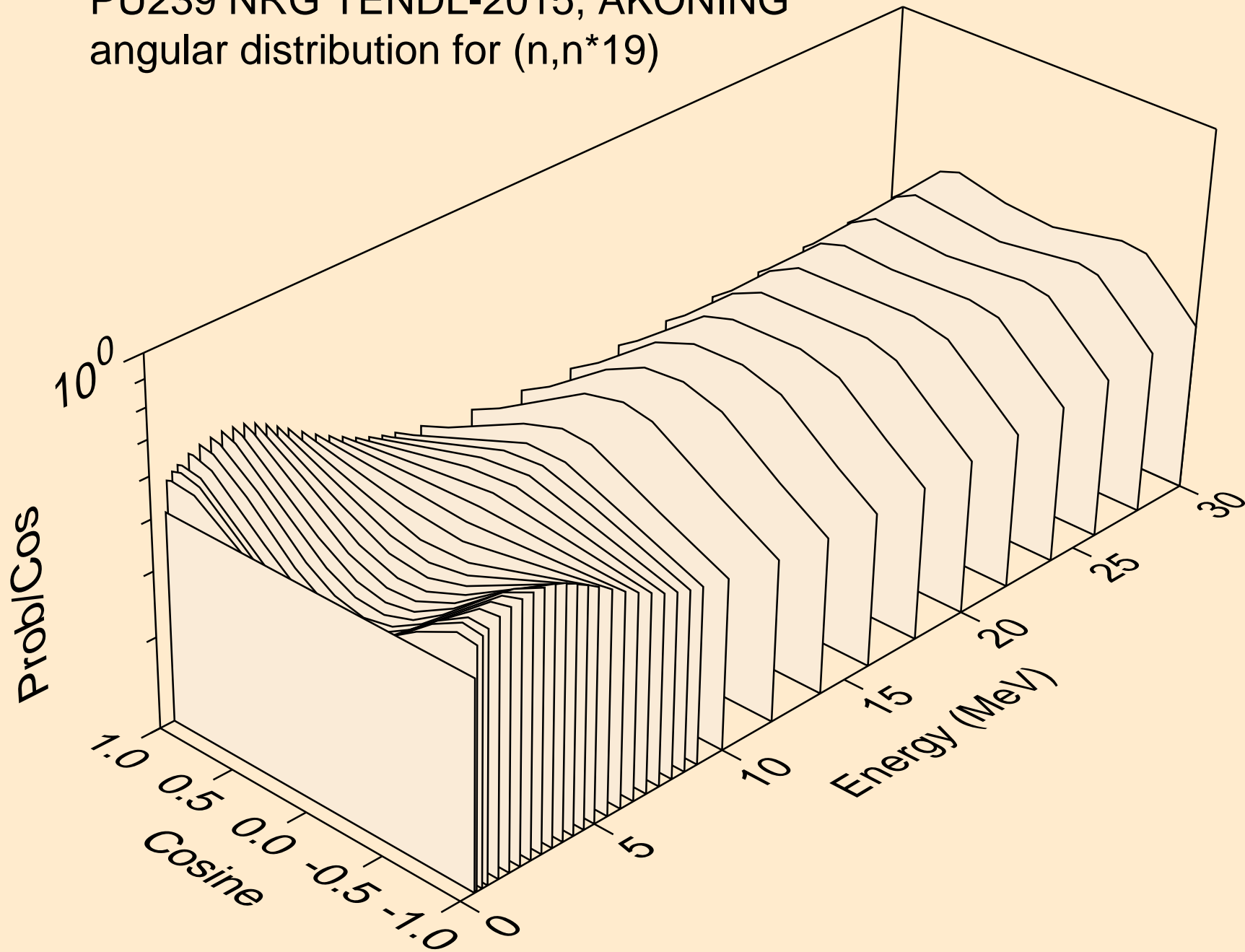
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



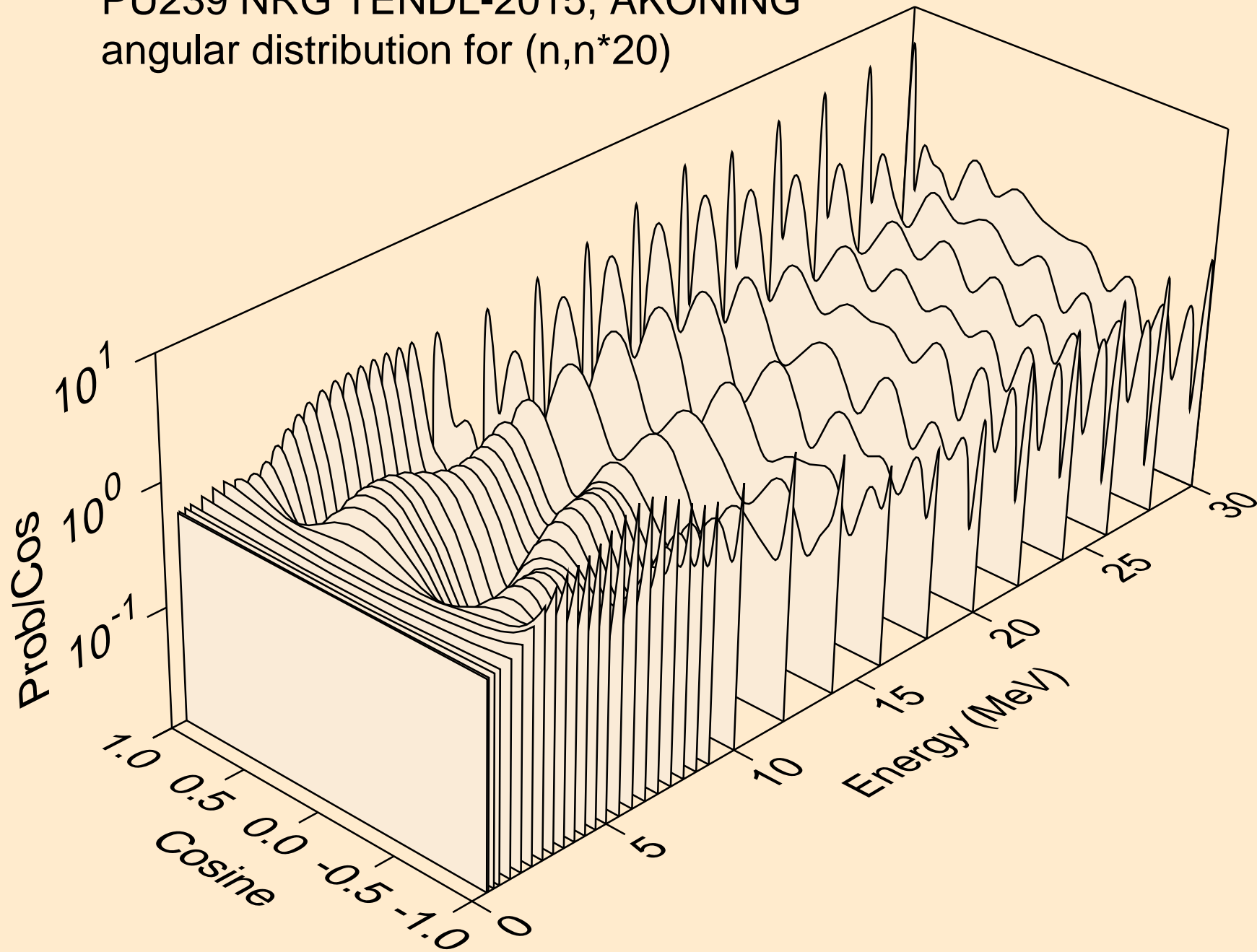
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)

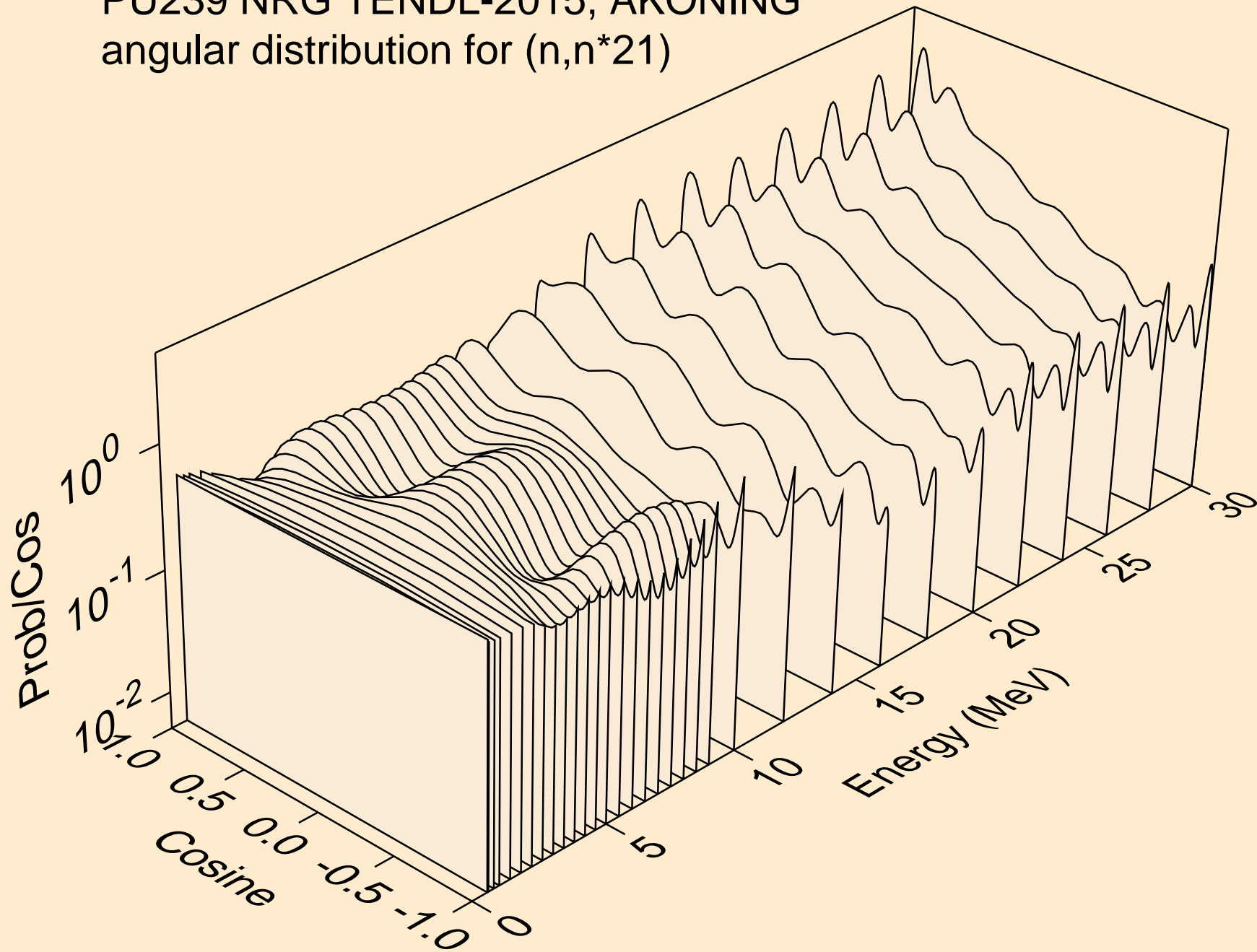


PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)

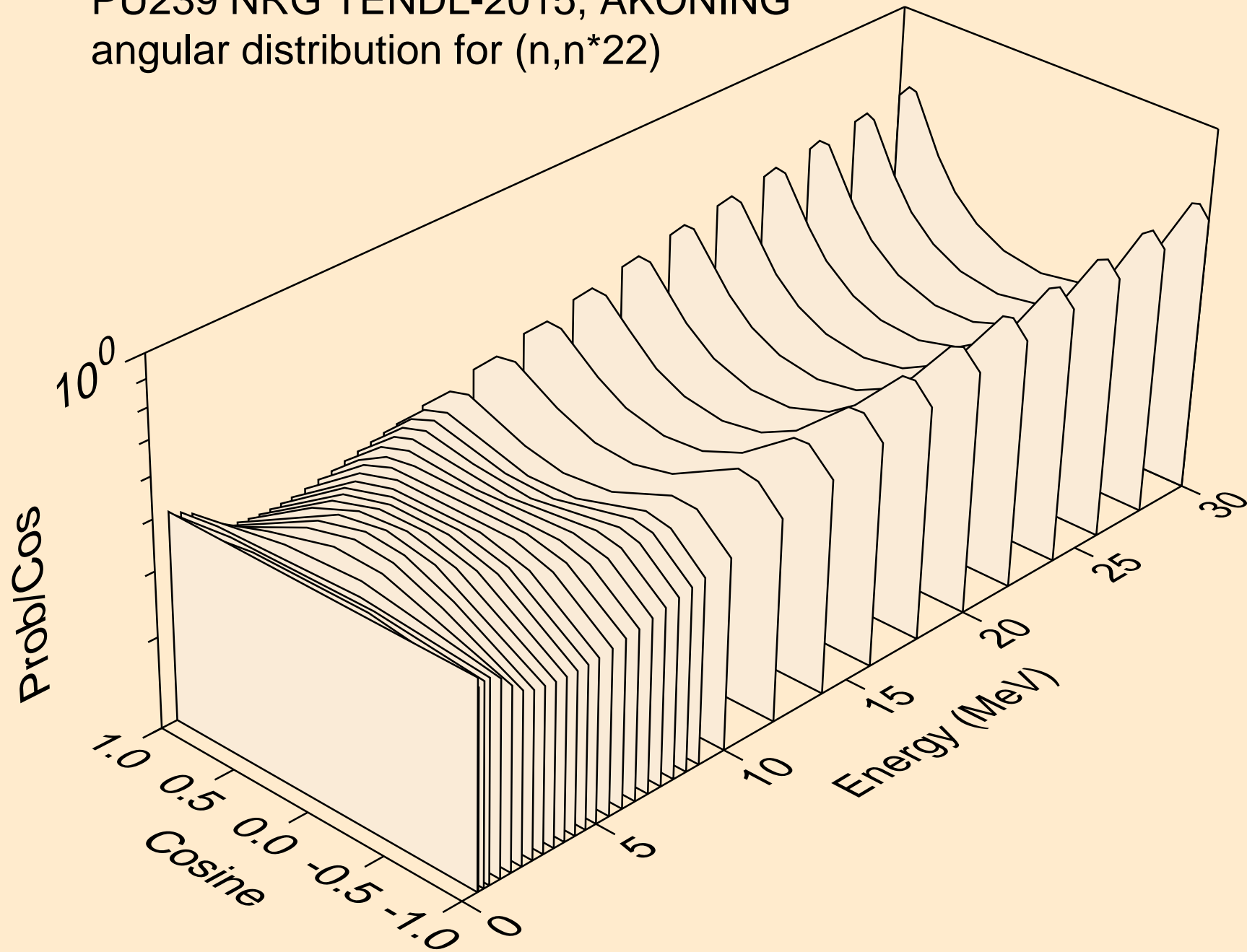




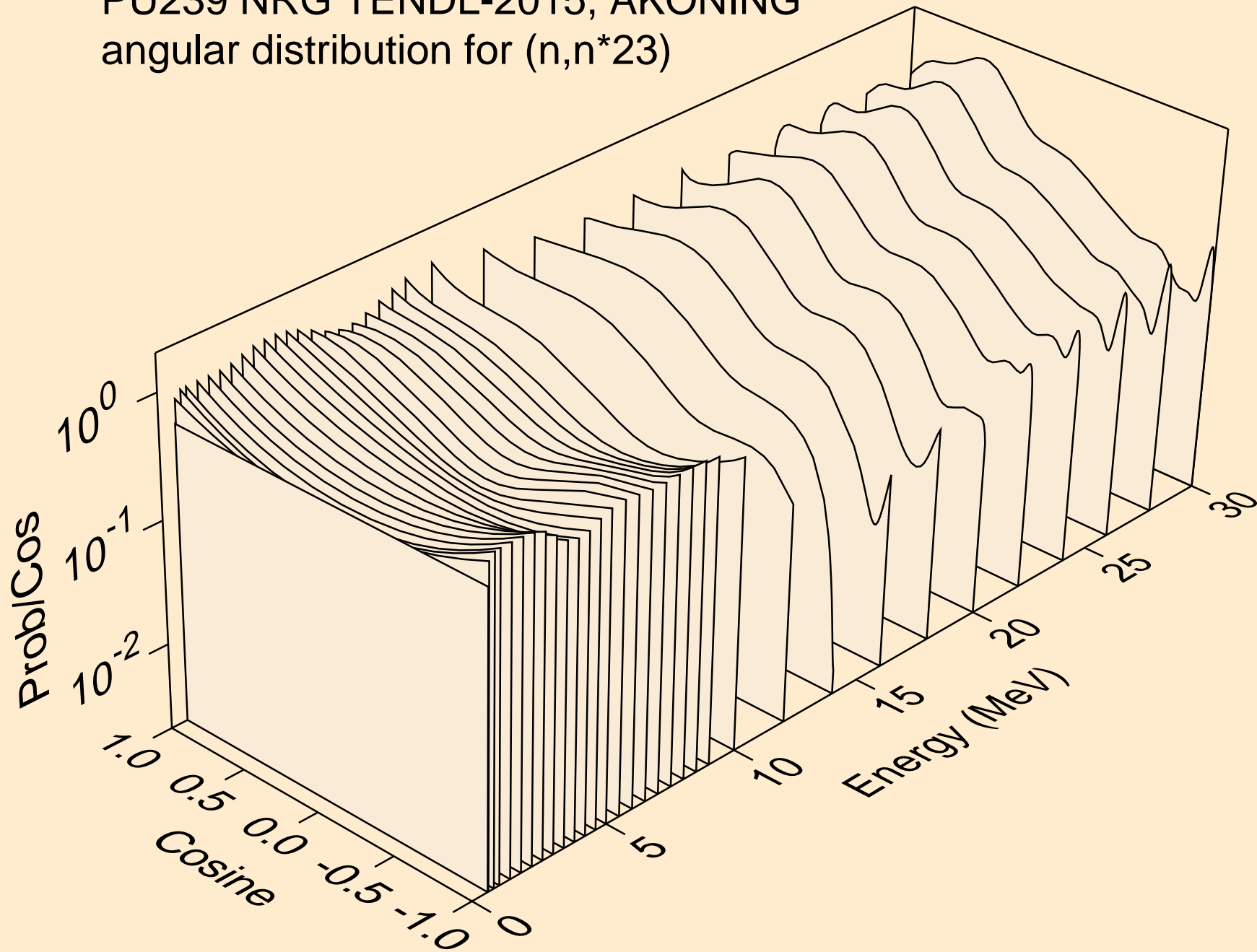
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



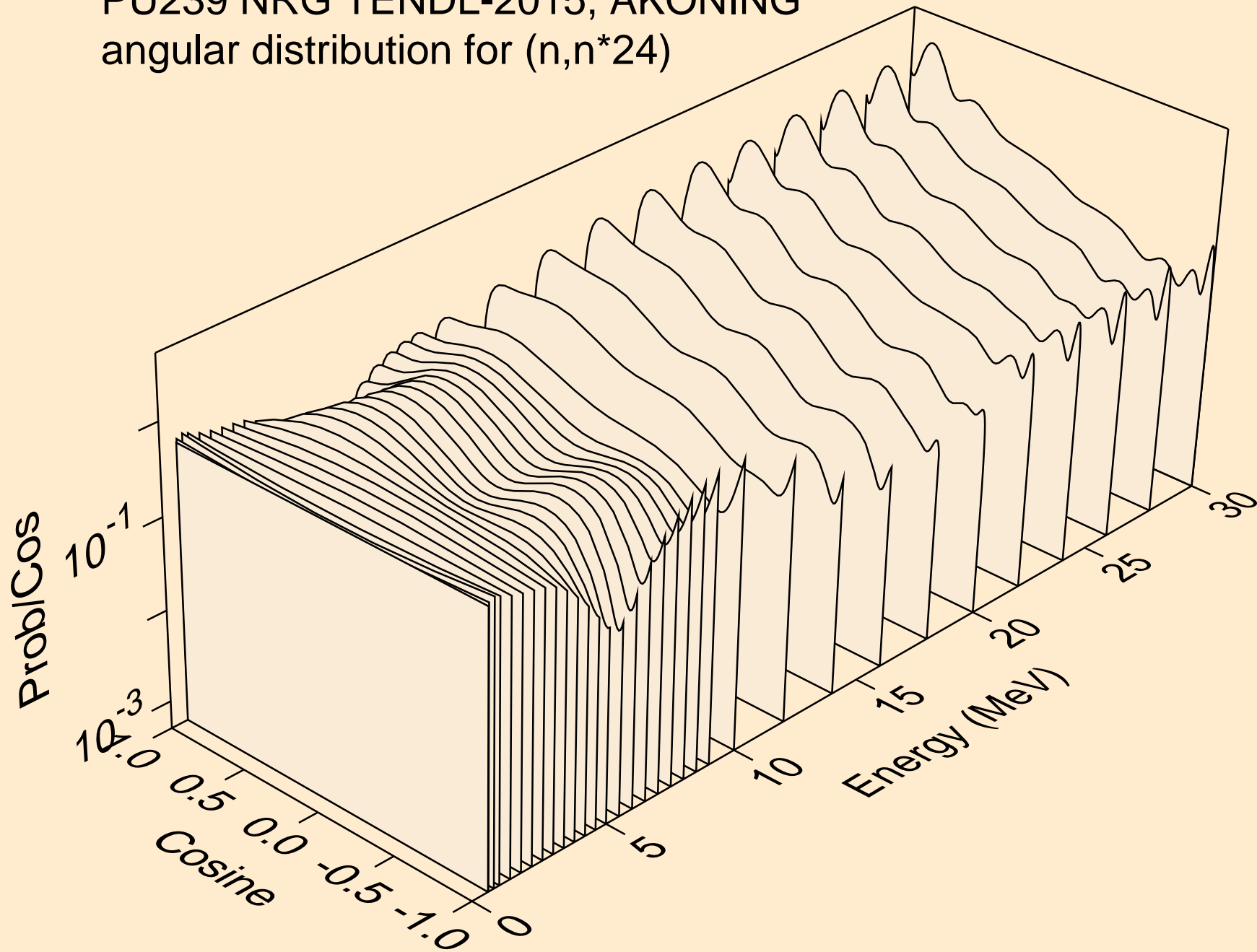
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



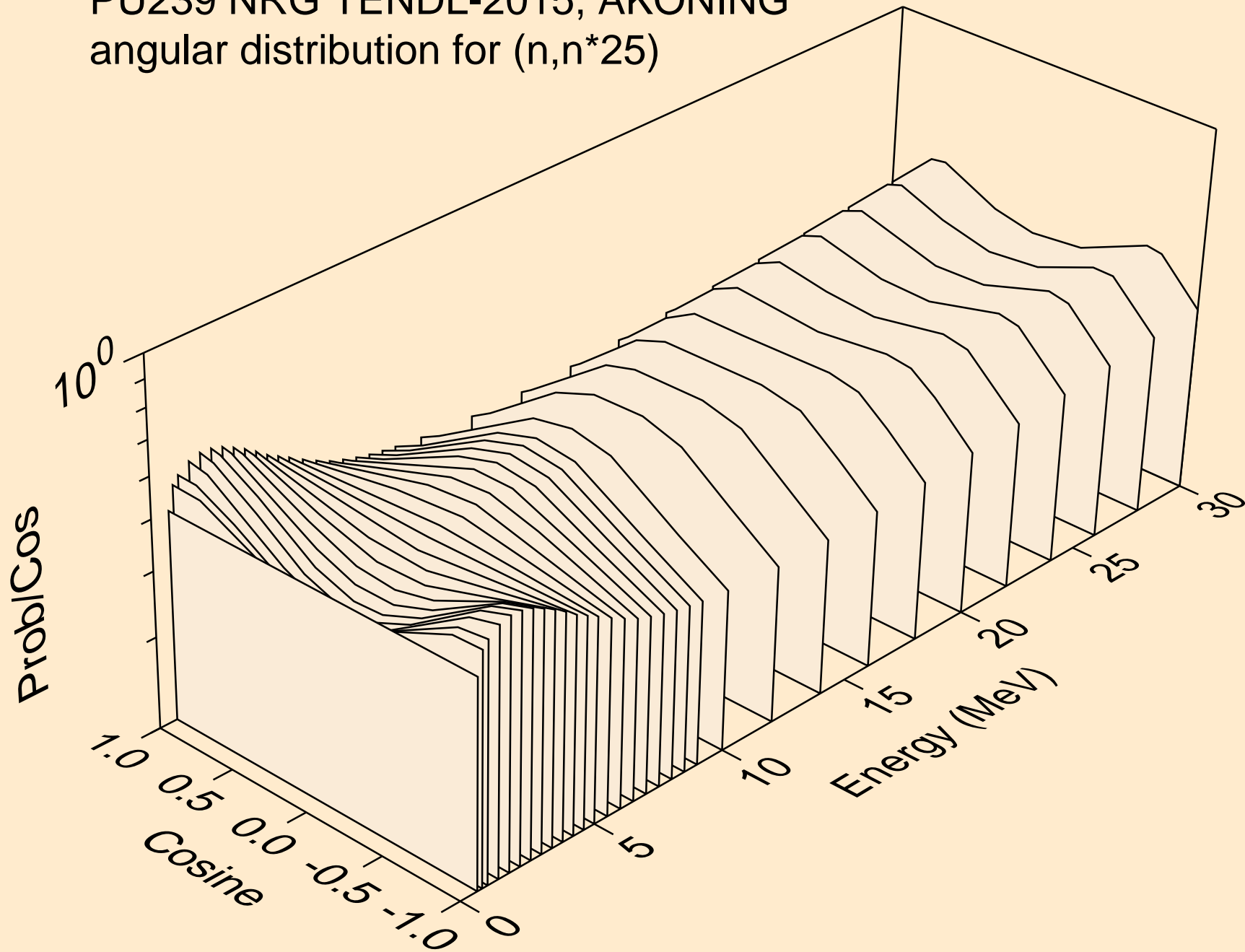
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



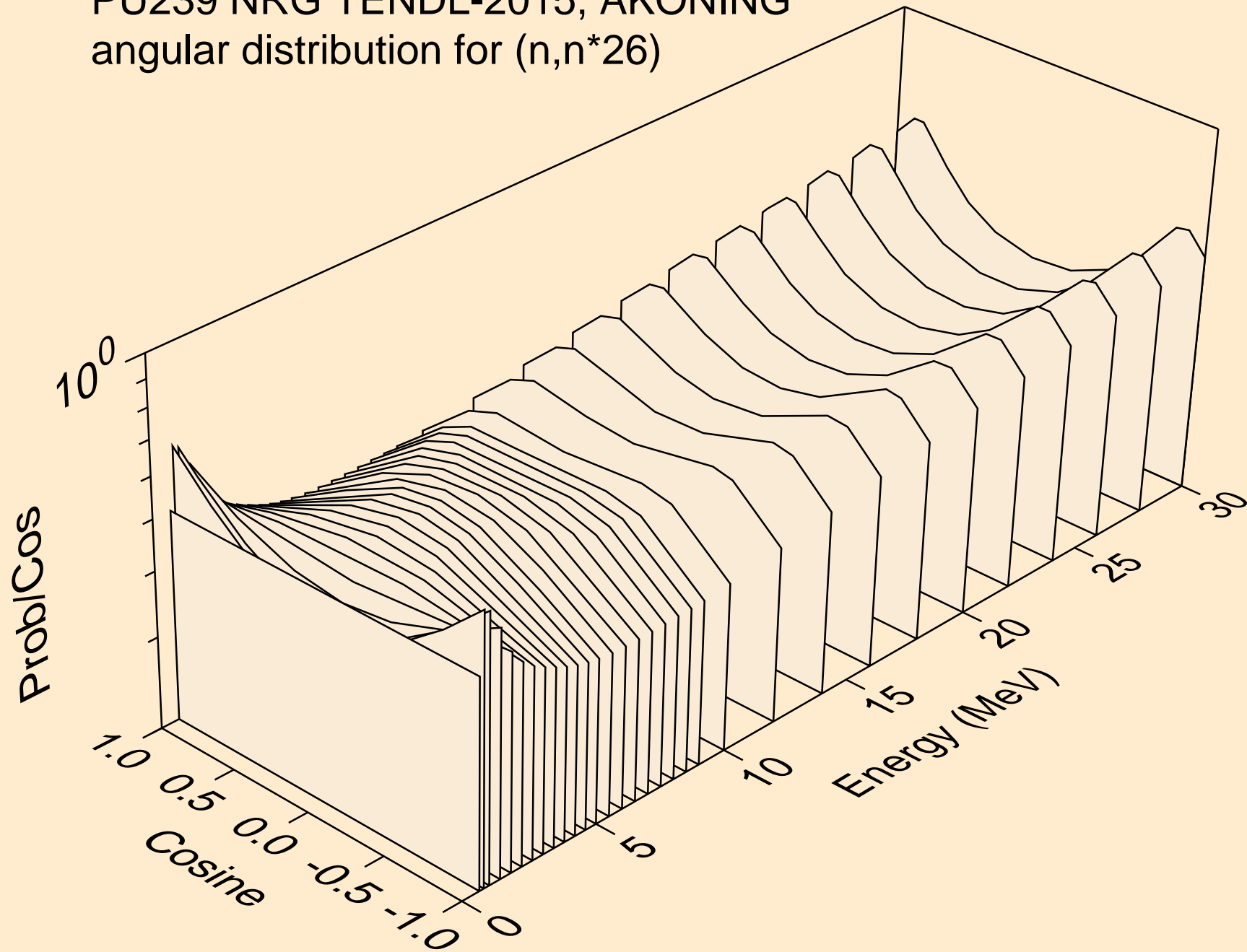
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



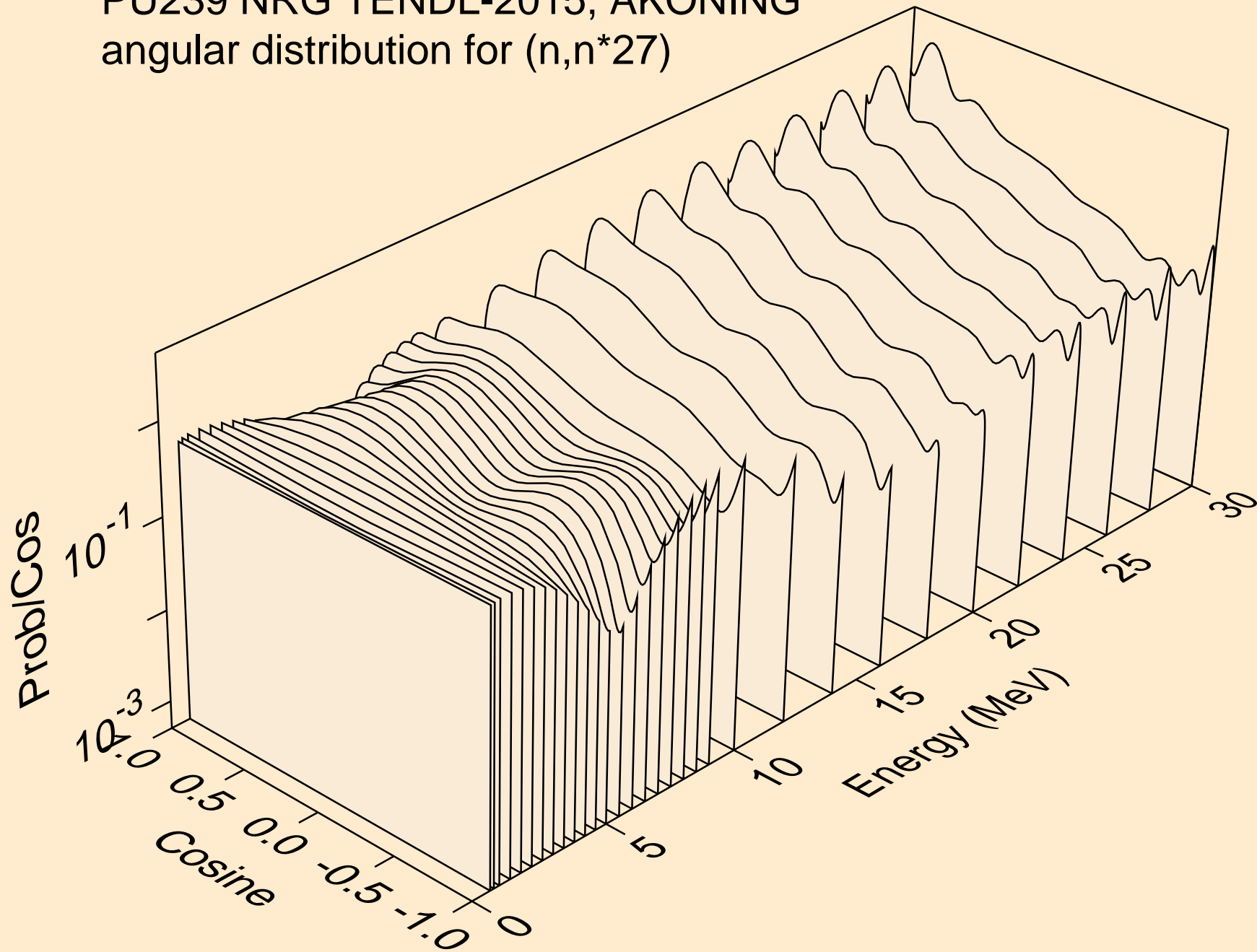
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



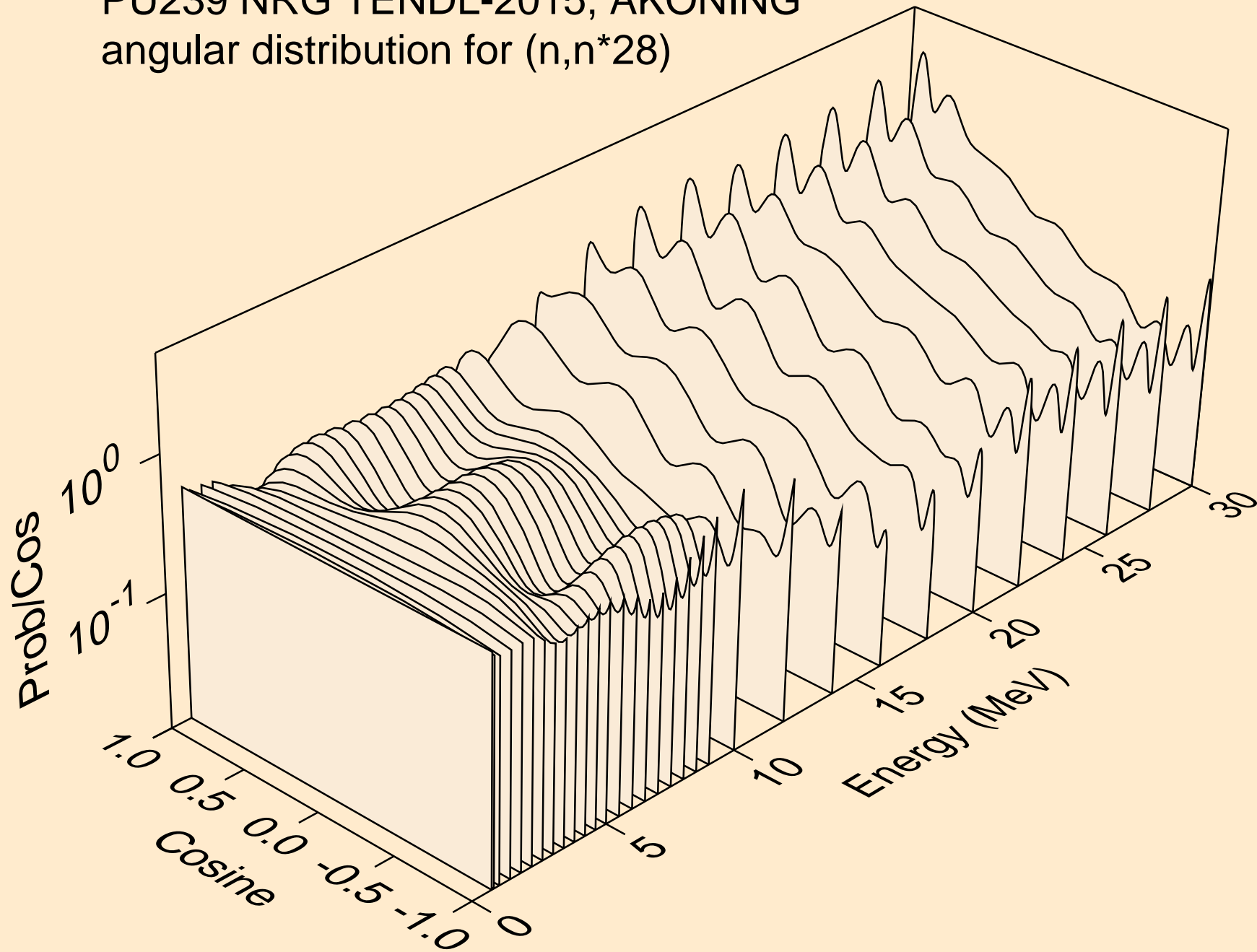
PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)

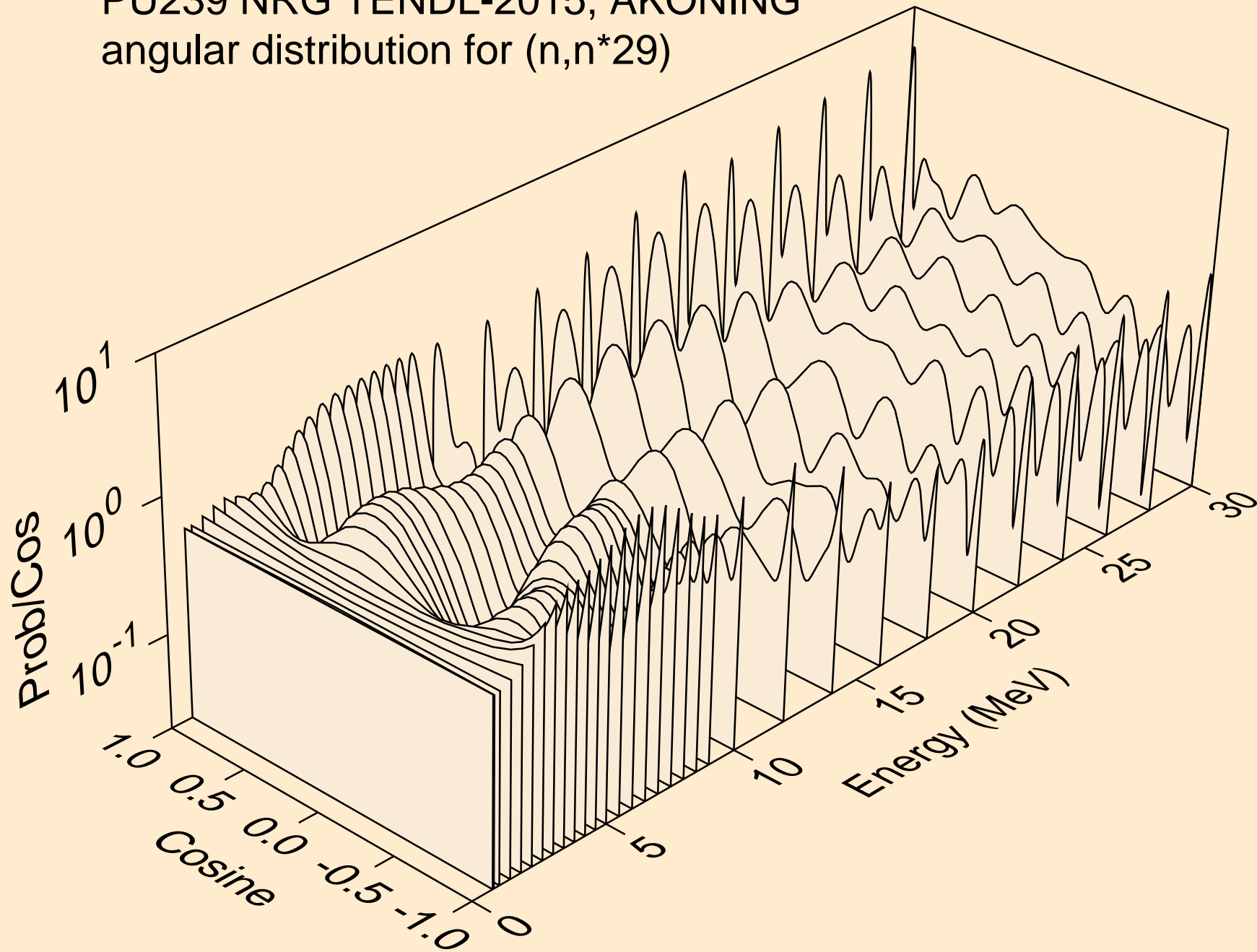


PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)

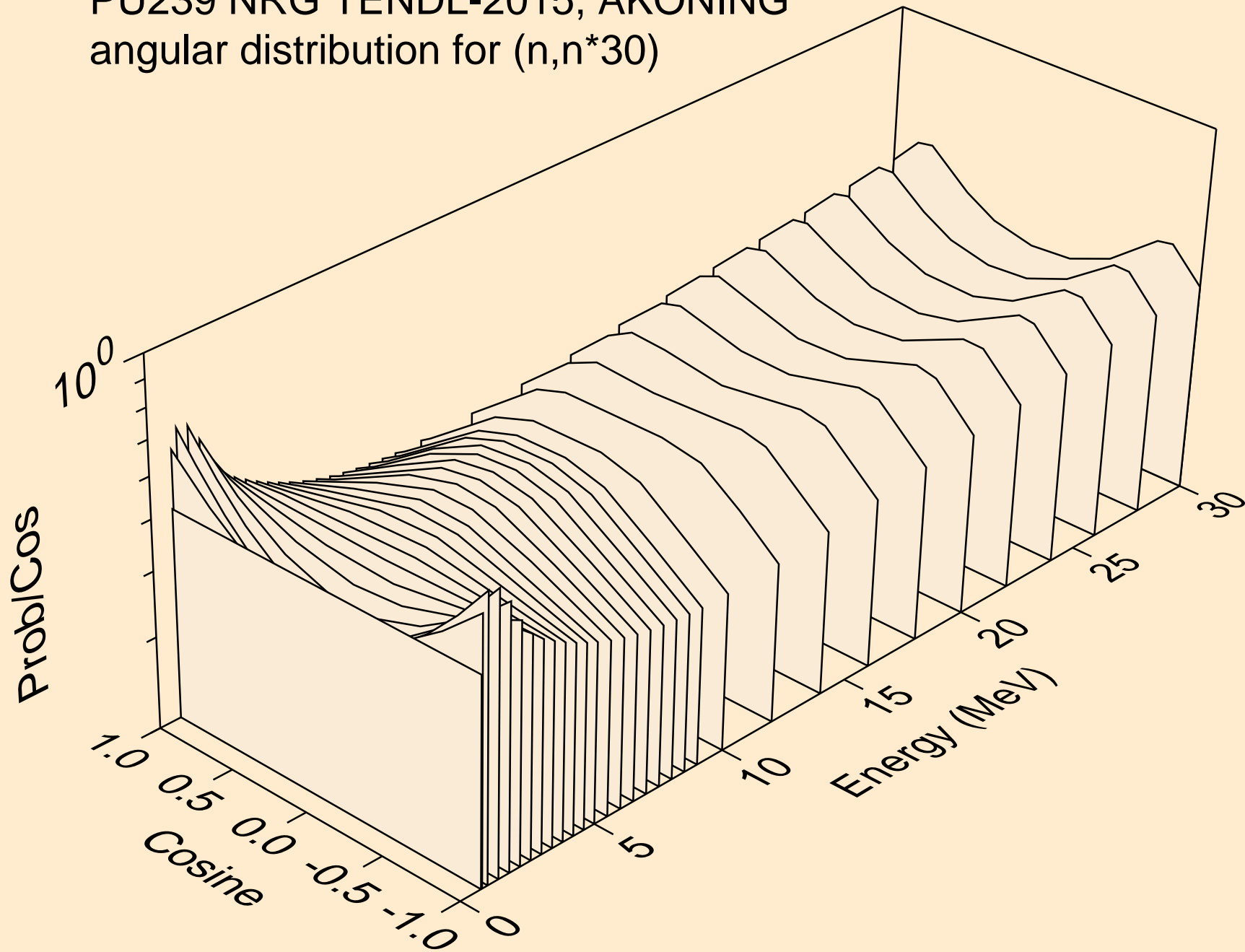




PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

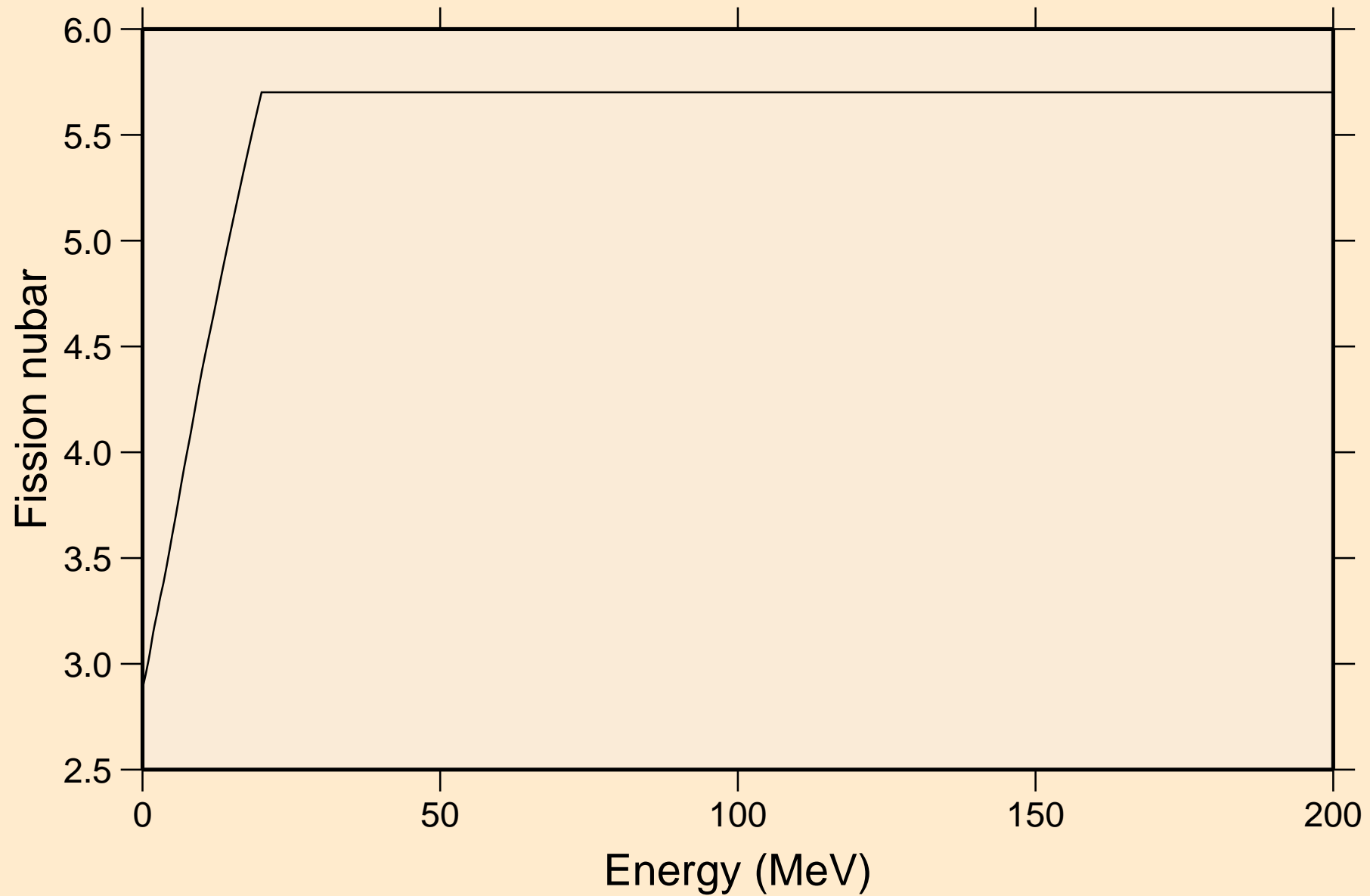


PU239 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

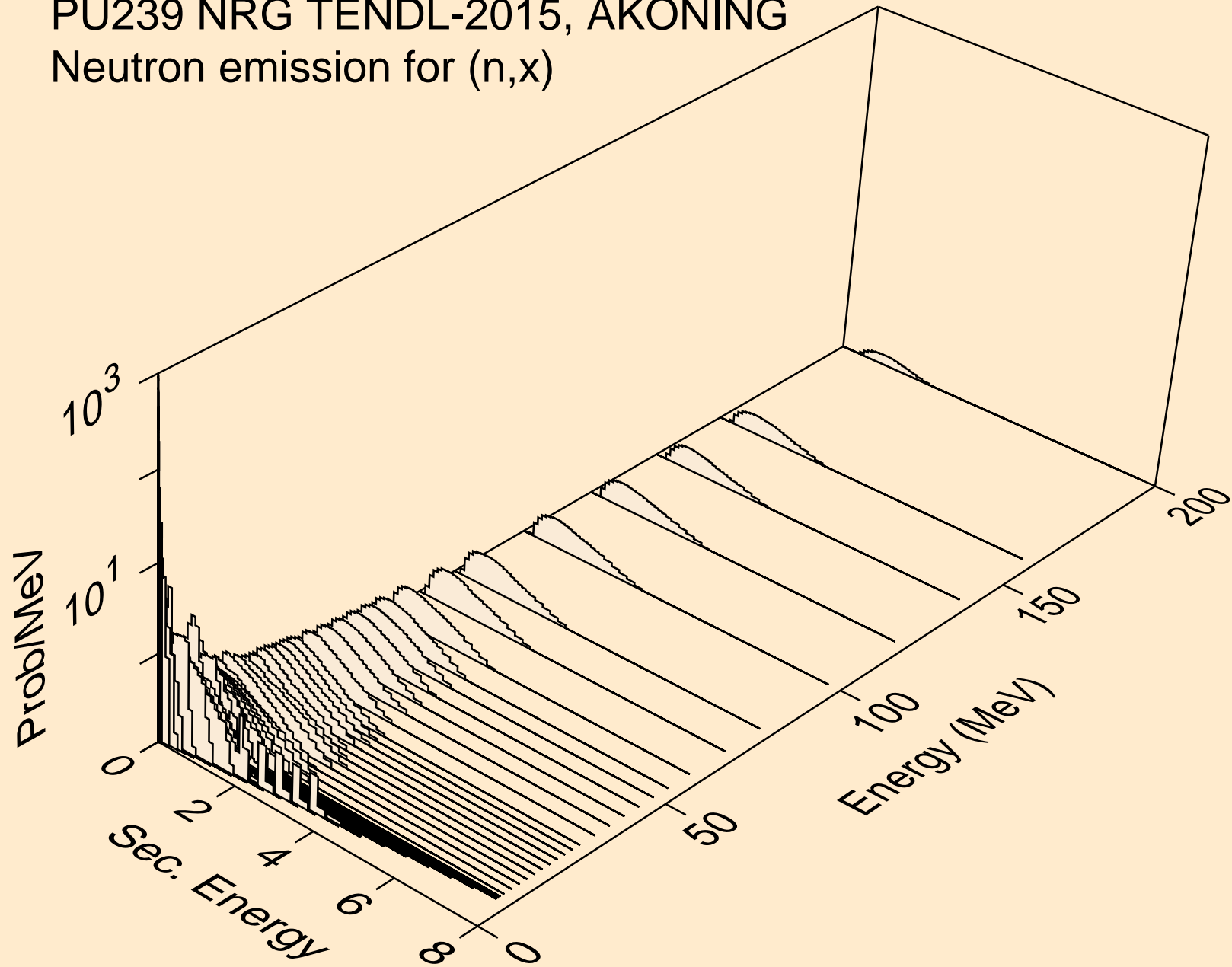


# PU239 NRG TENDL-2015, AKONING

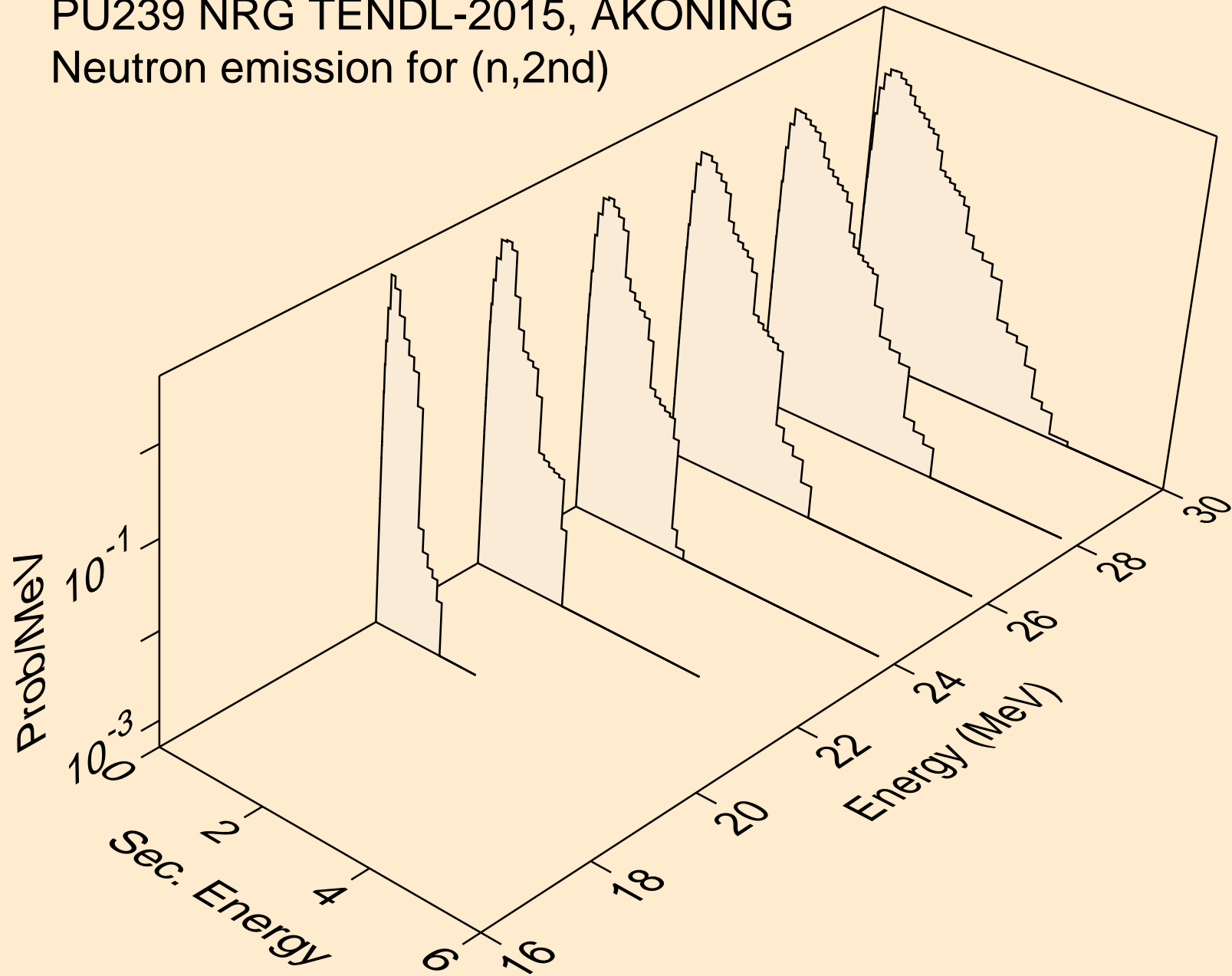
Total fission nubar



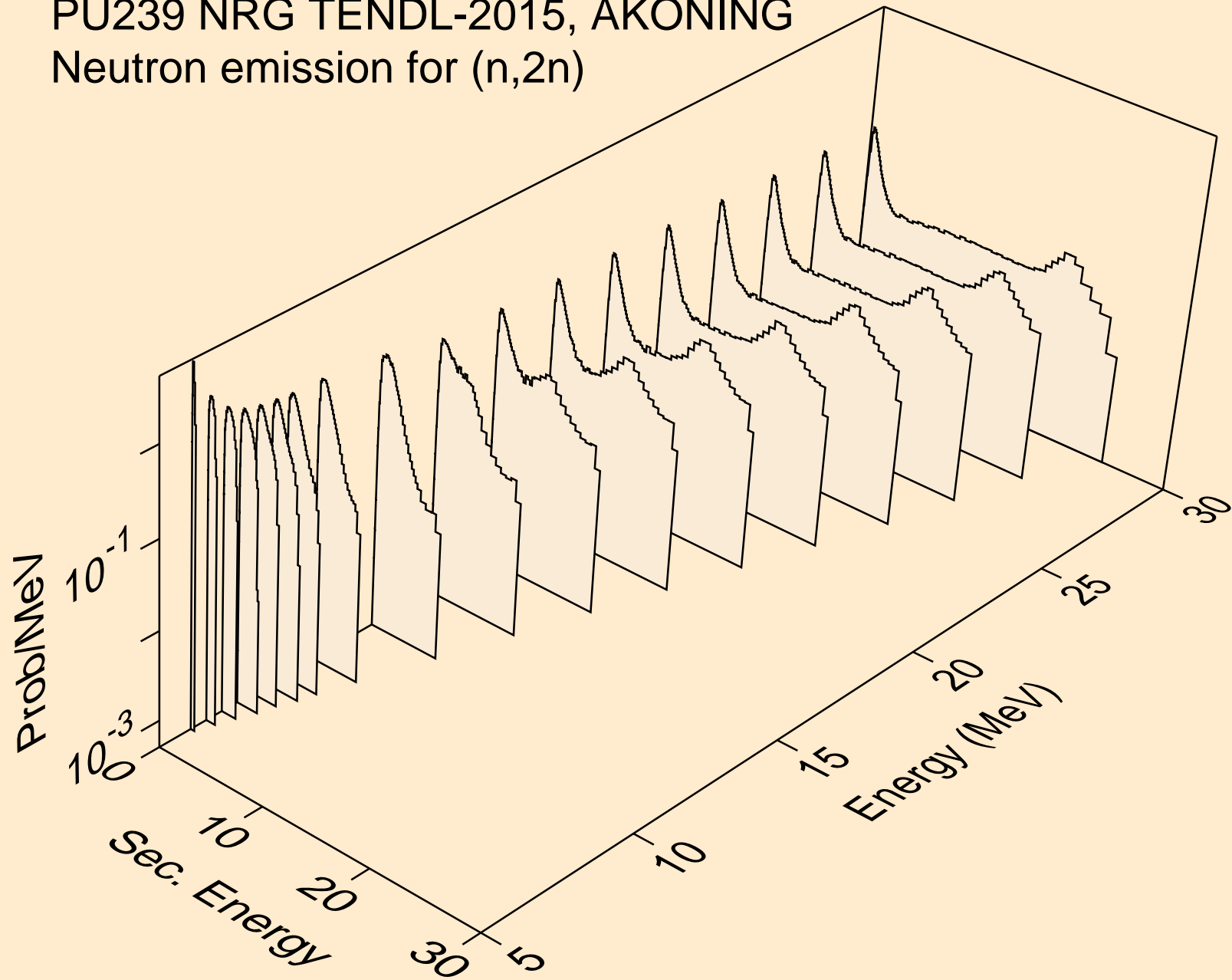
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



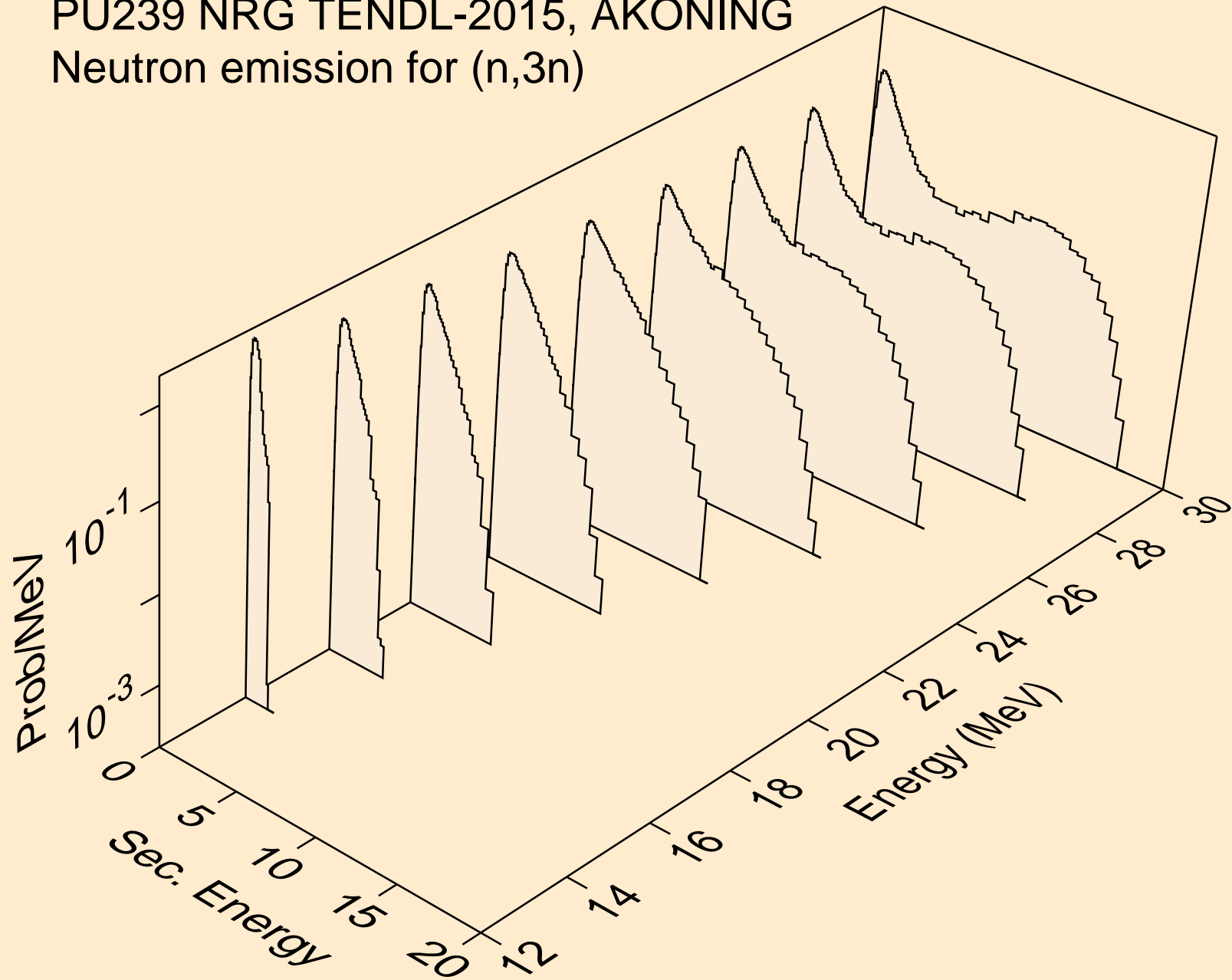
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



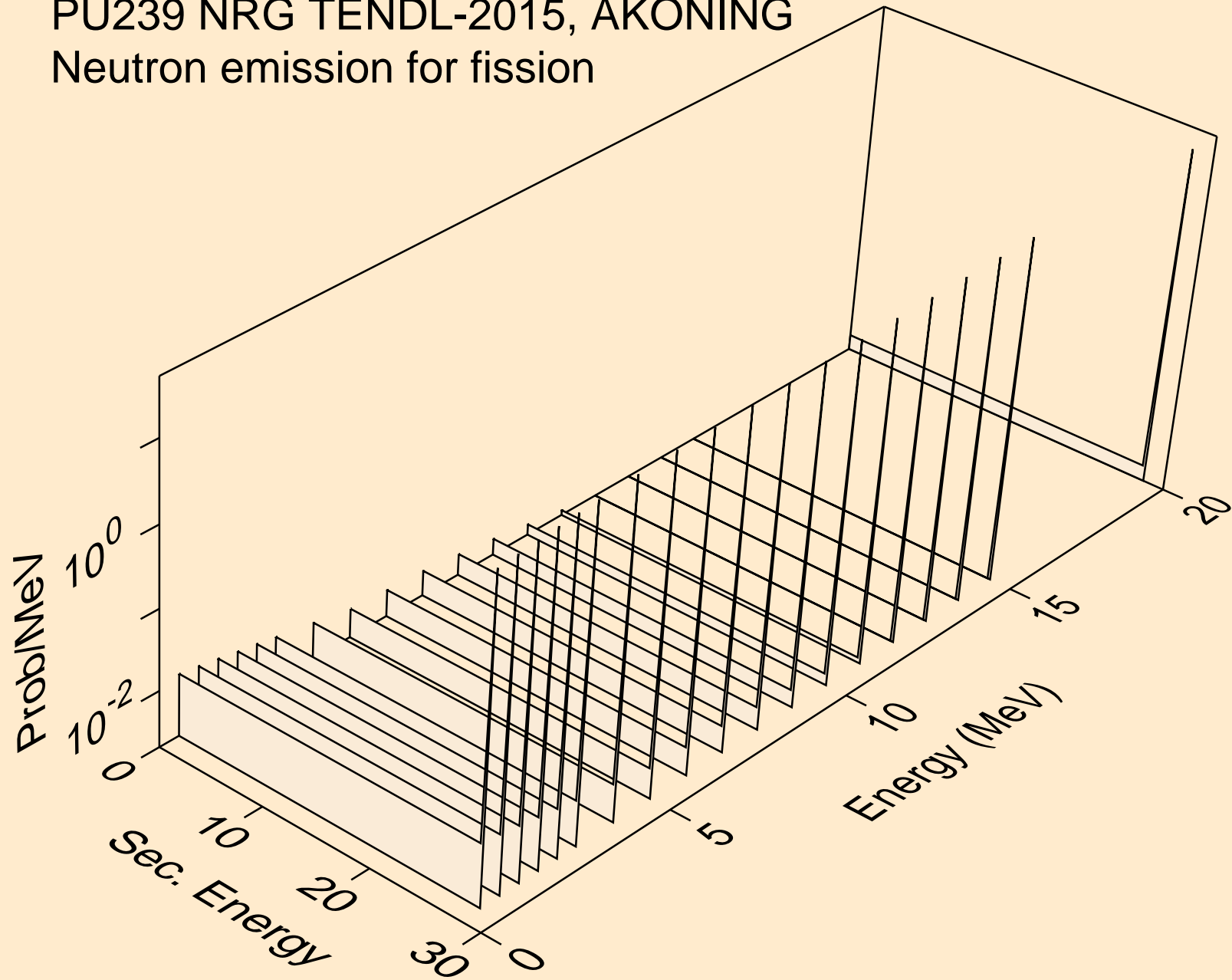
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)

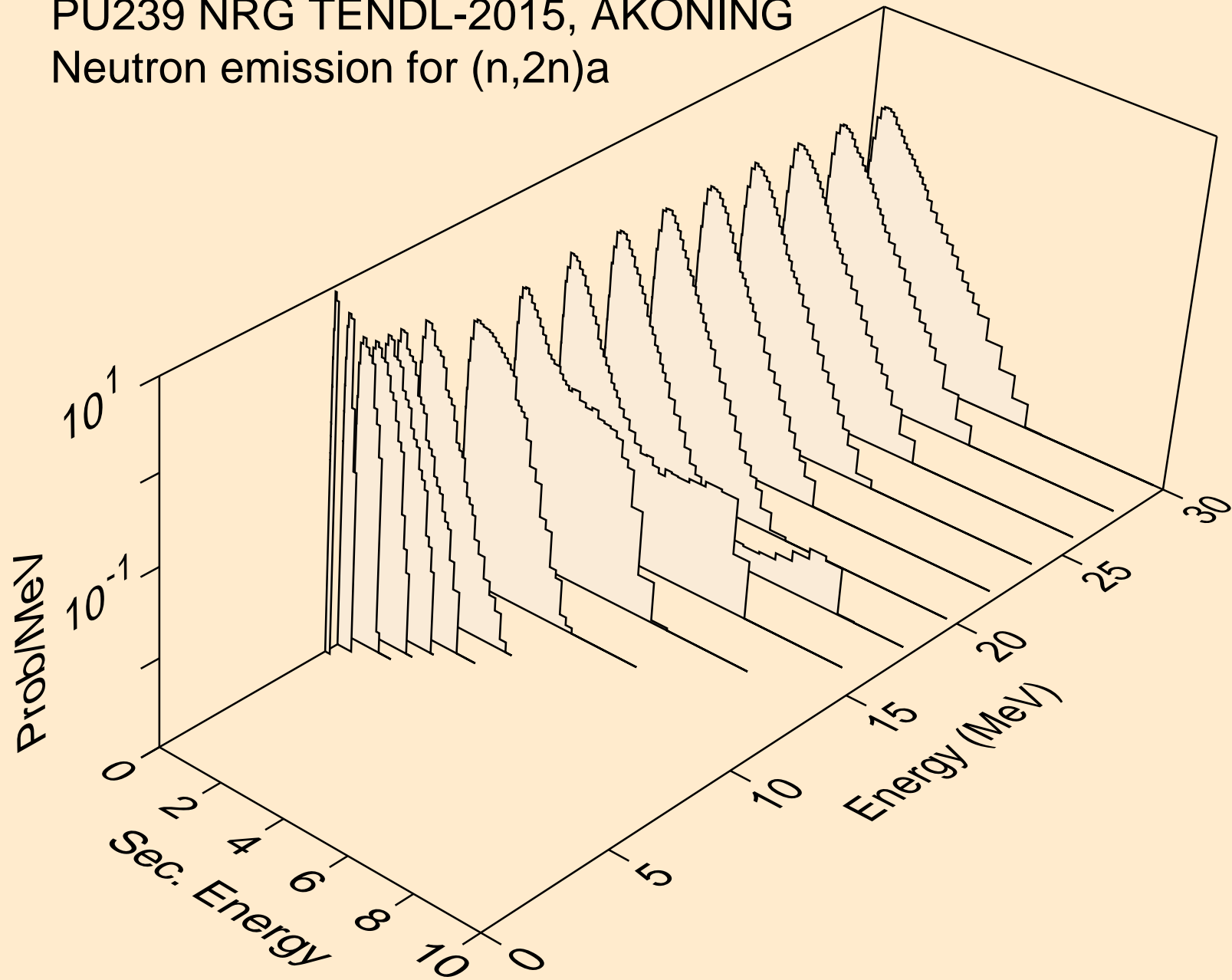


PU239 NRG TENDL-2015, AKONING  
Neutron emission for fission

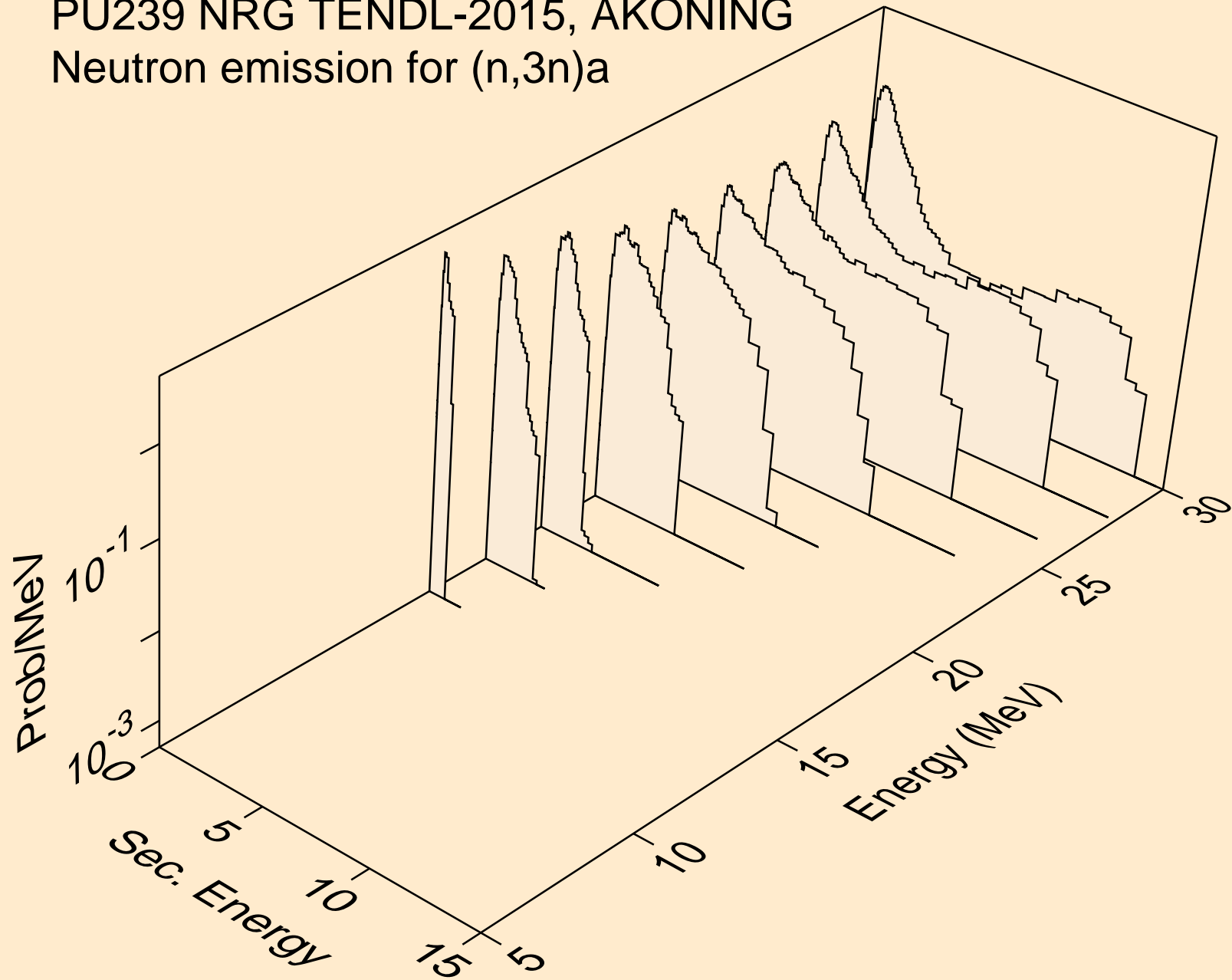




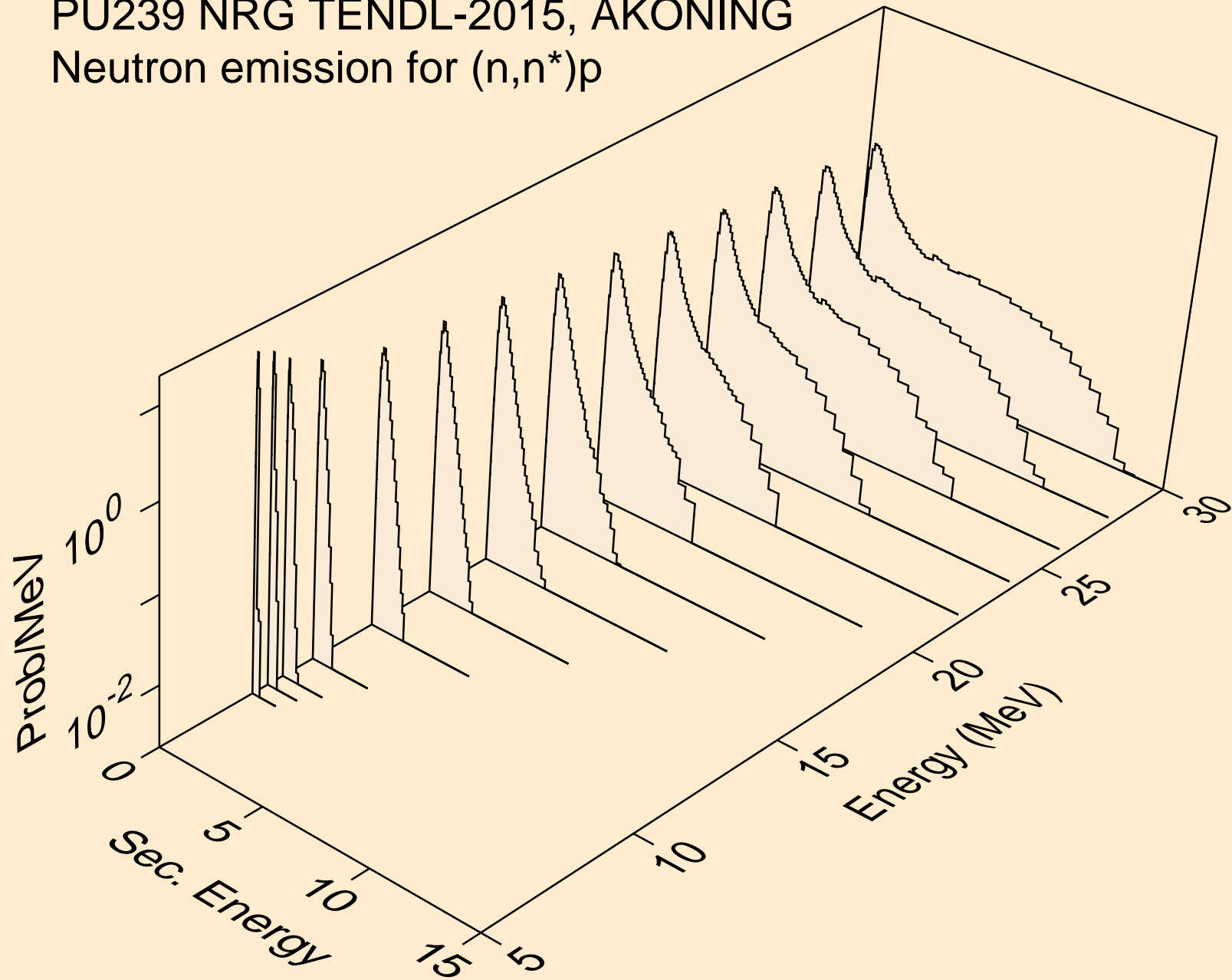
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



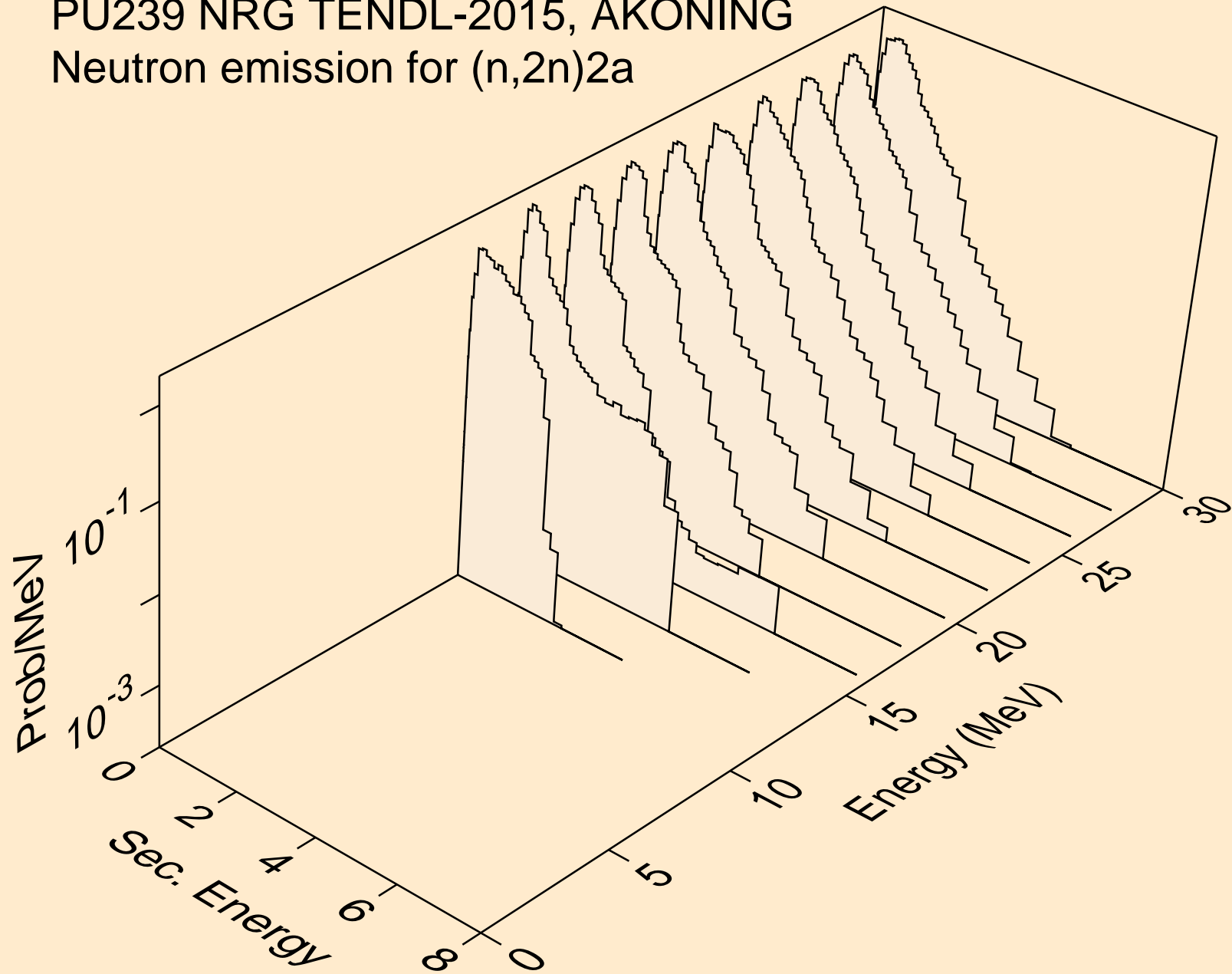
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



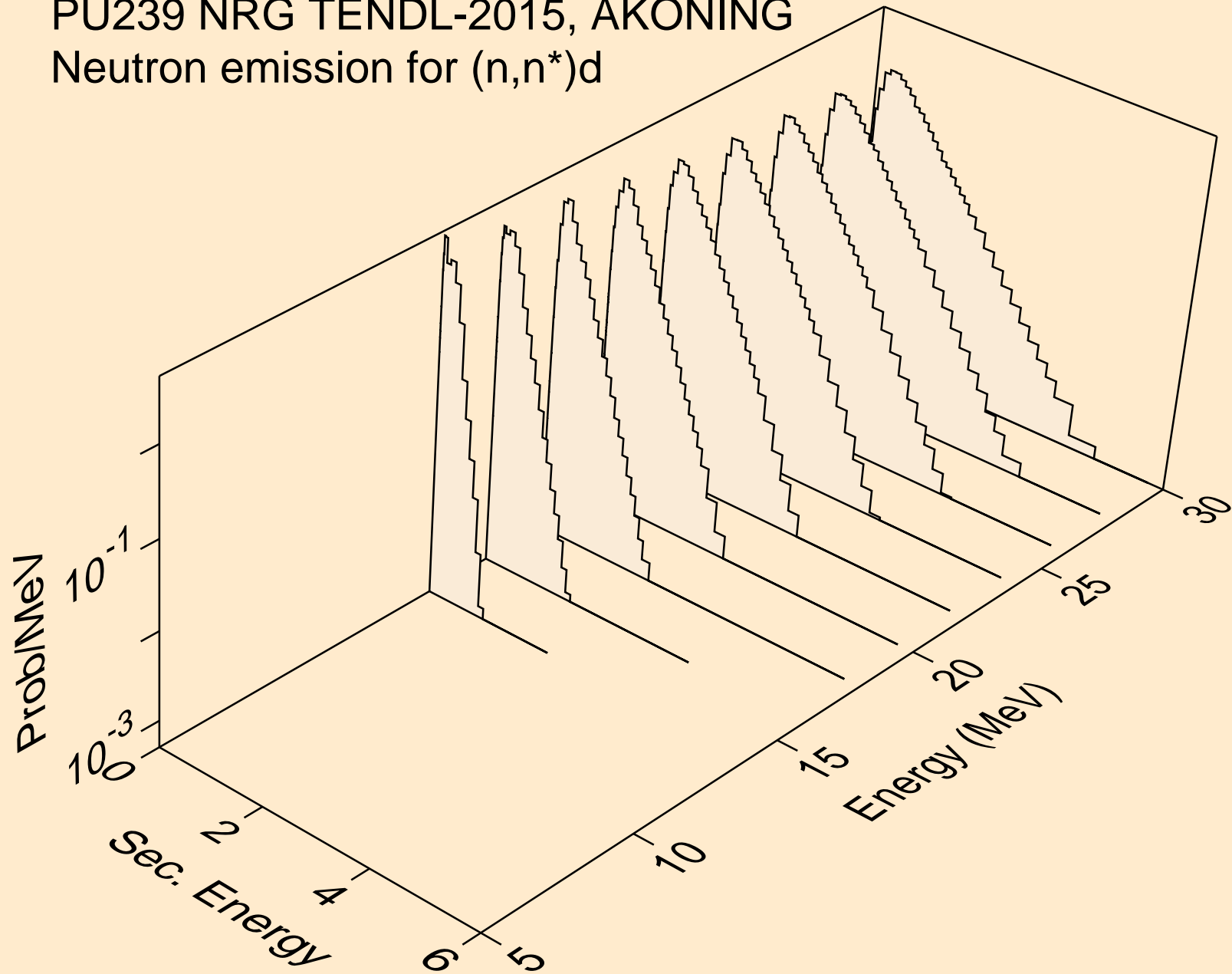
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



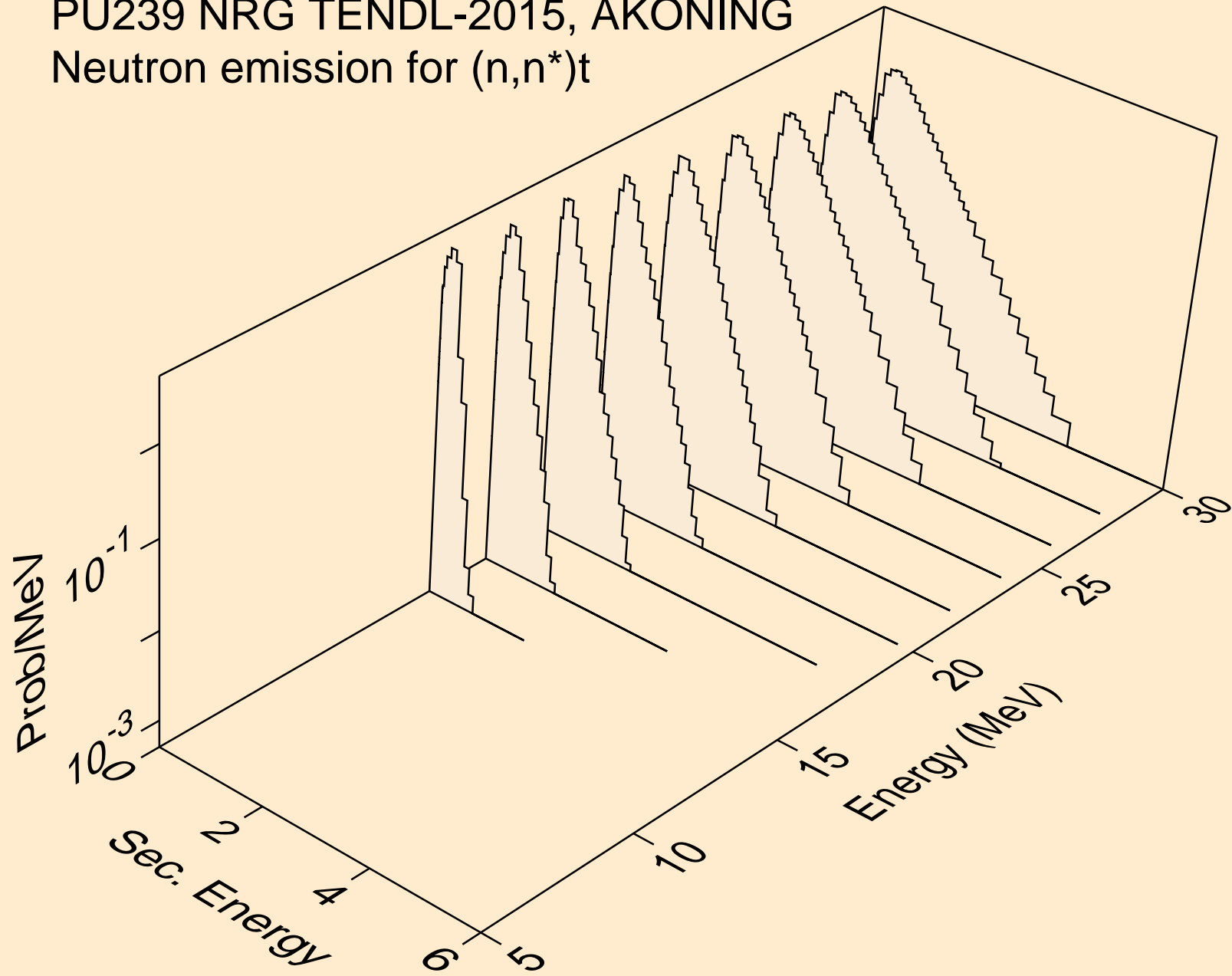
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



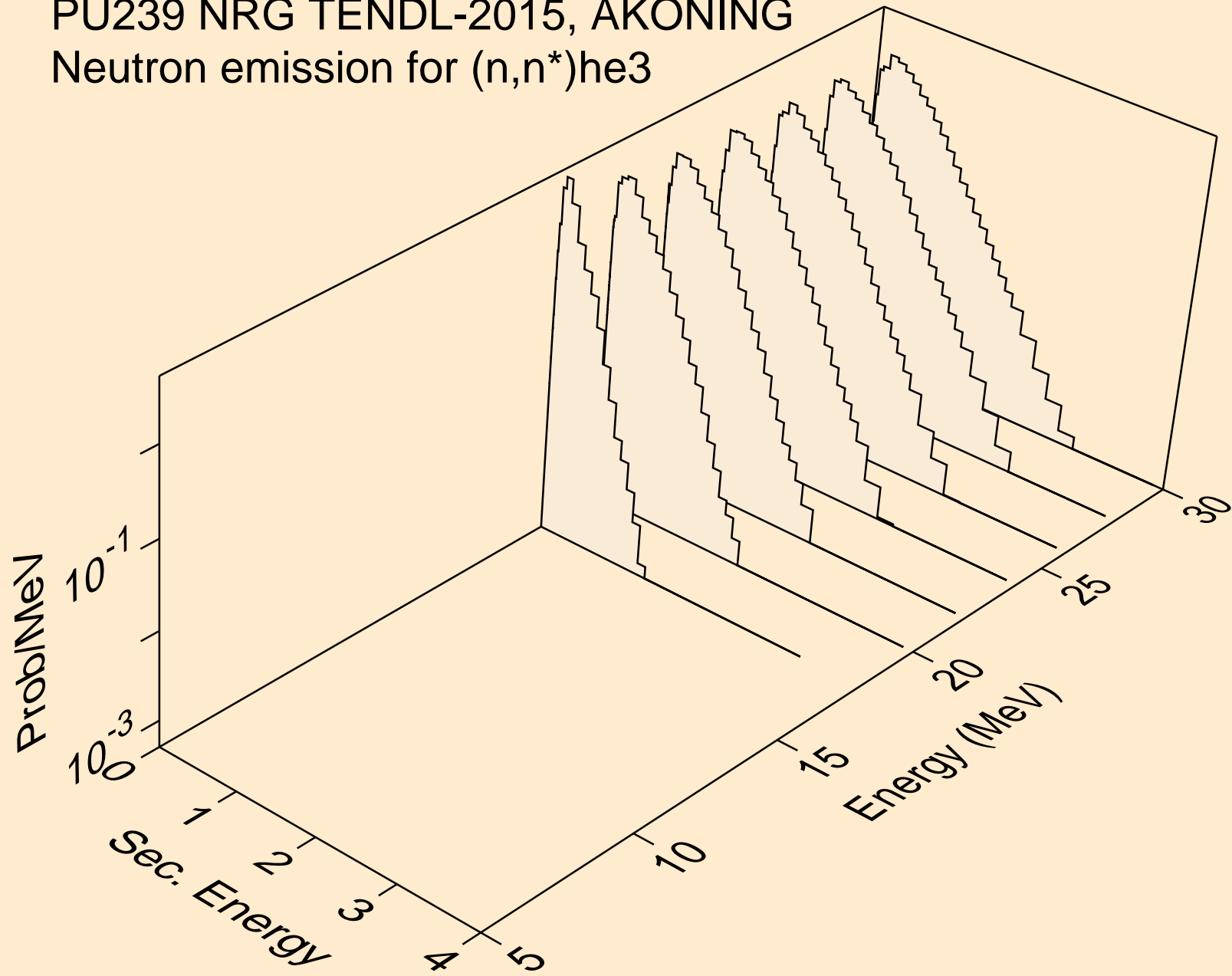
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



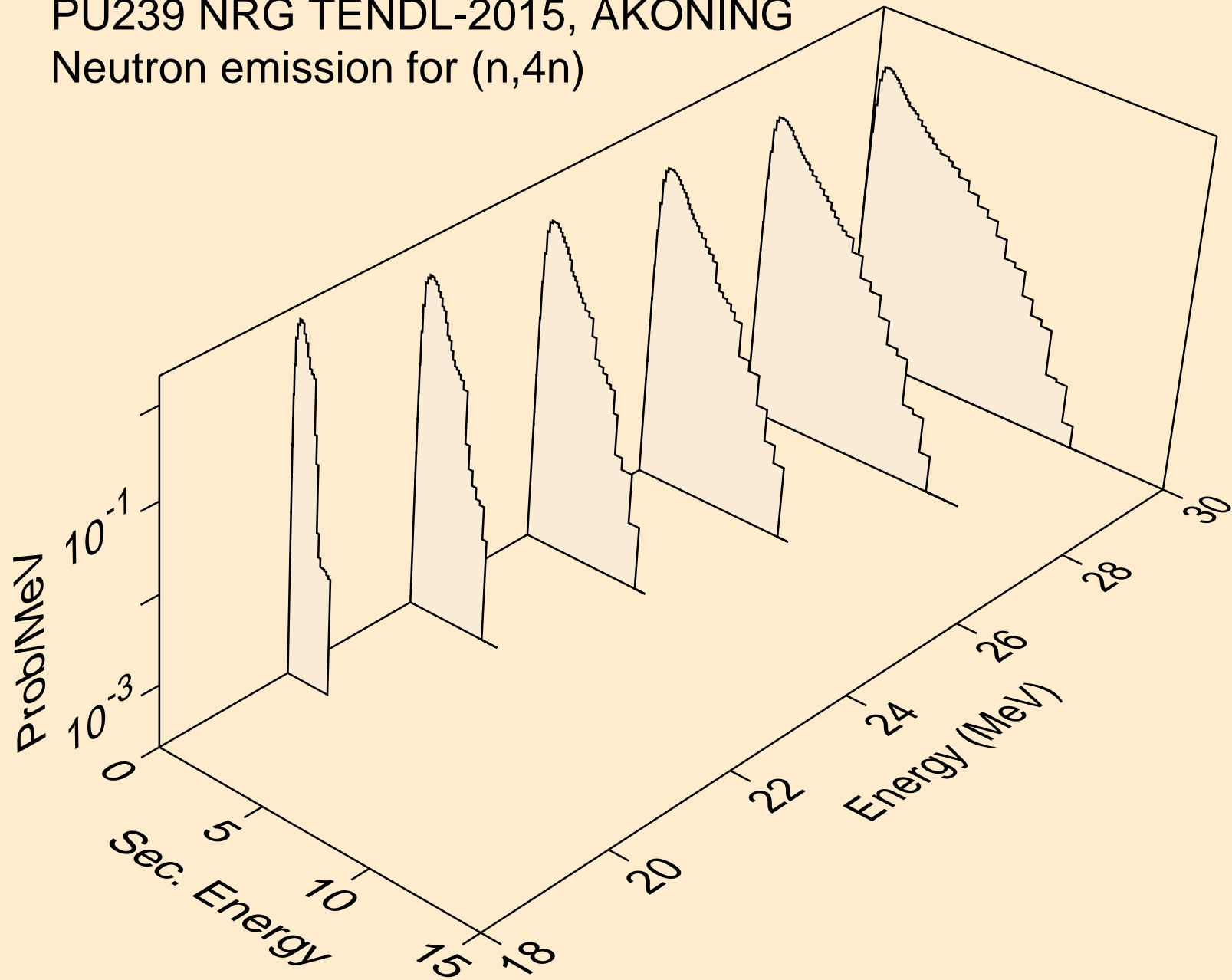
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

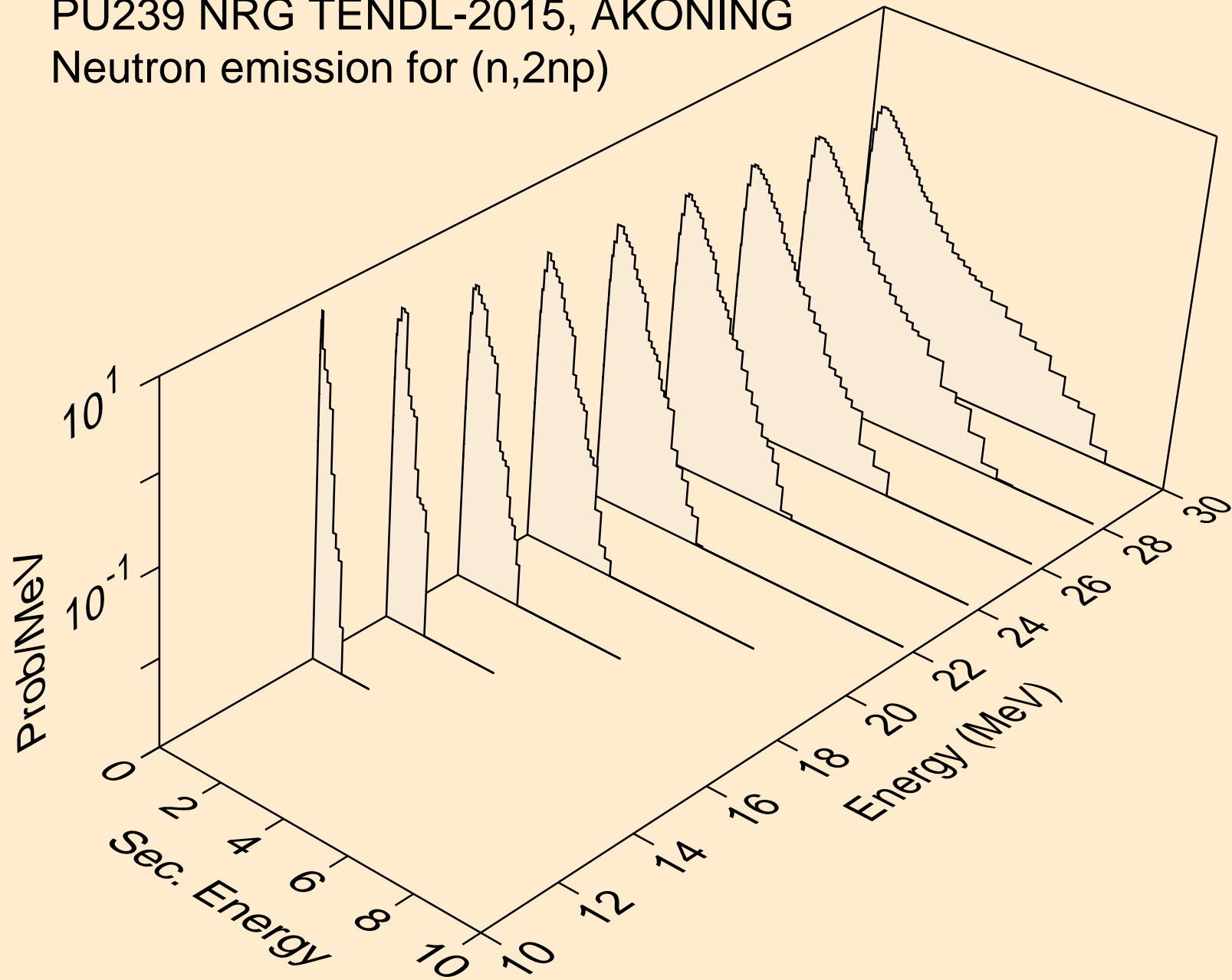


PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

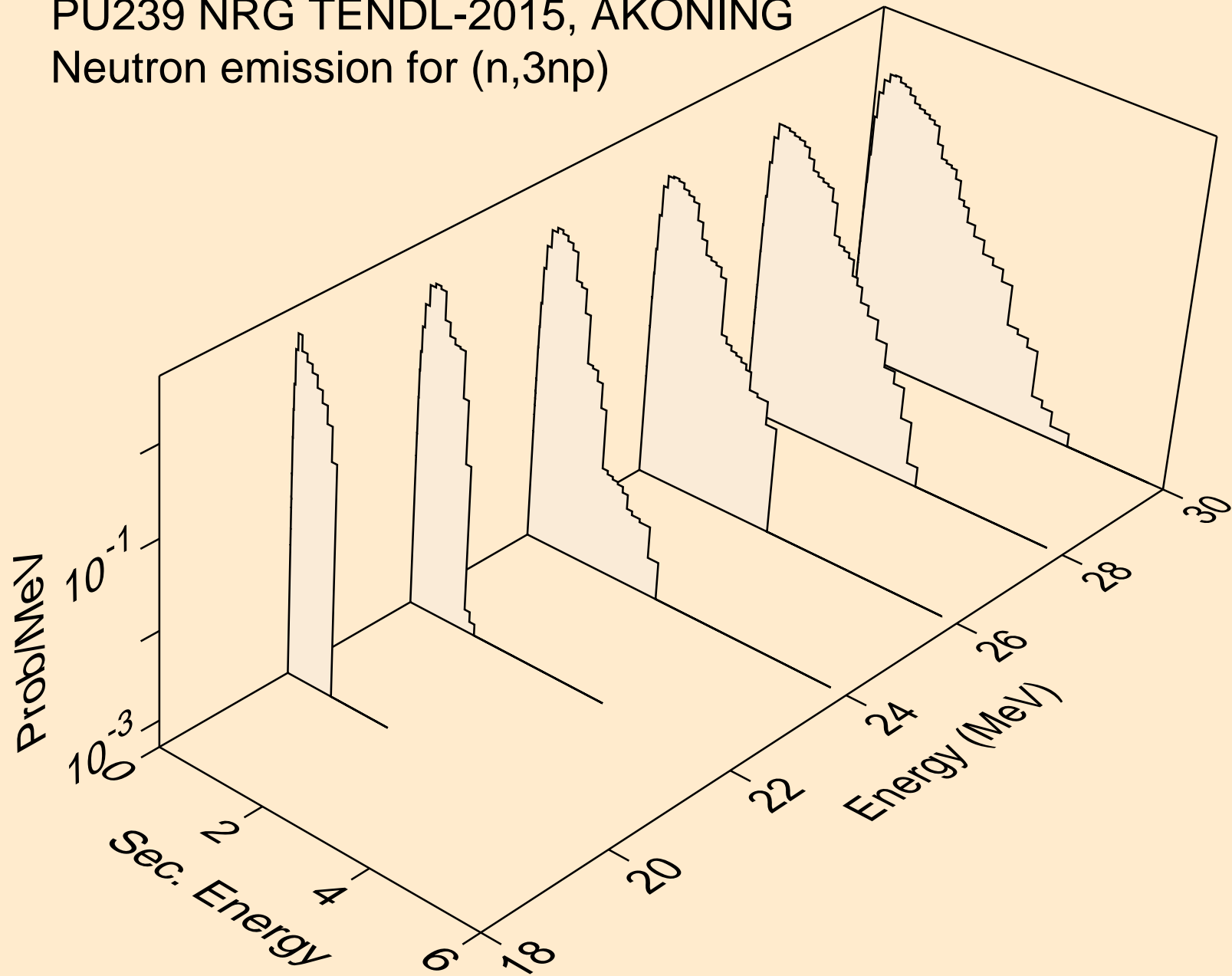




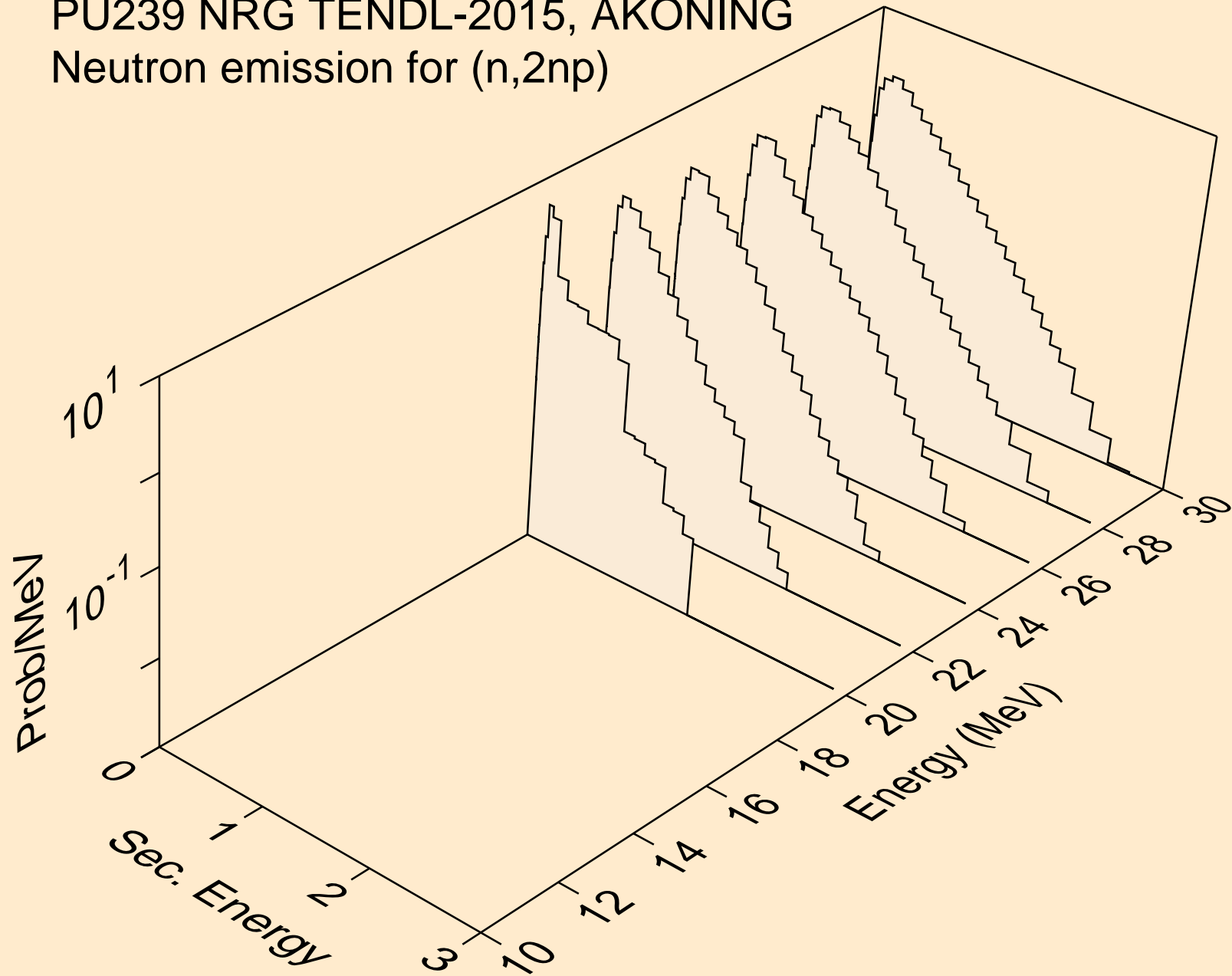
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



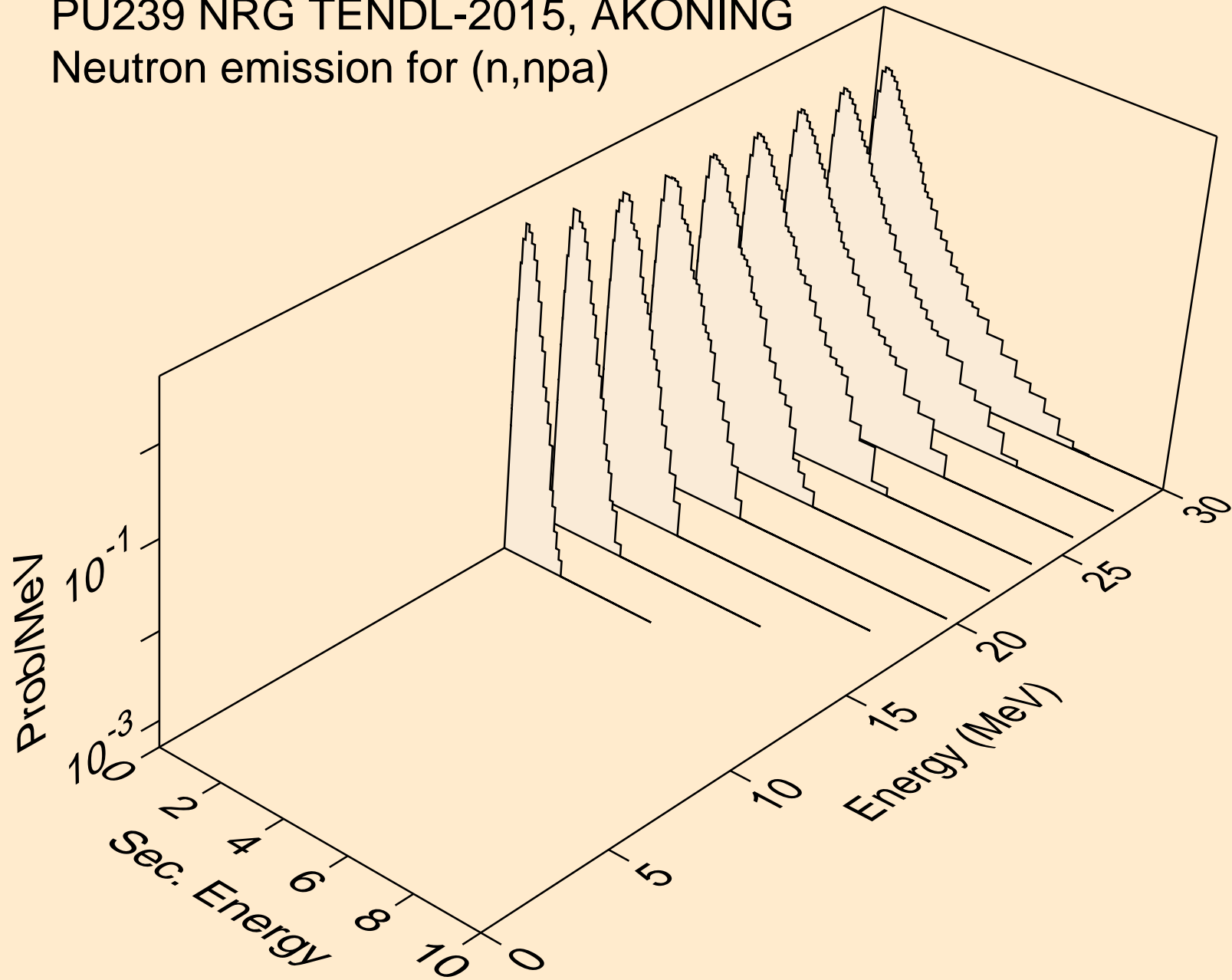
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



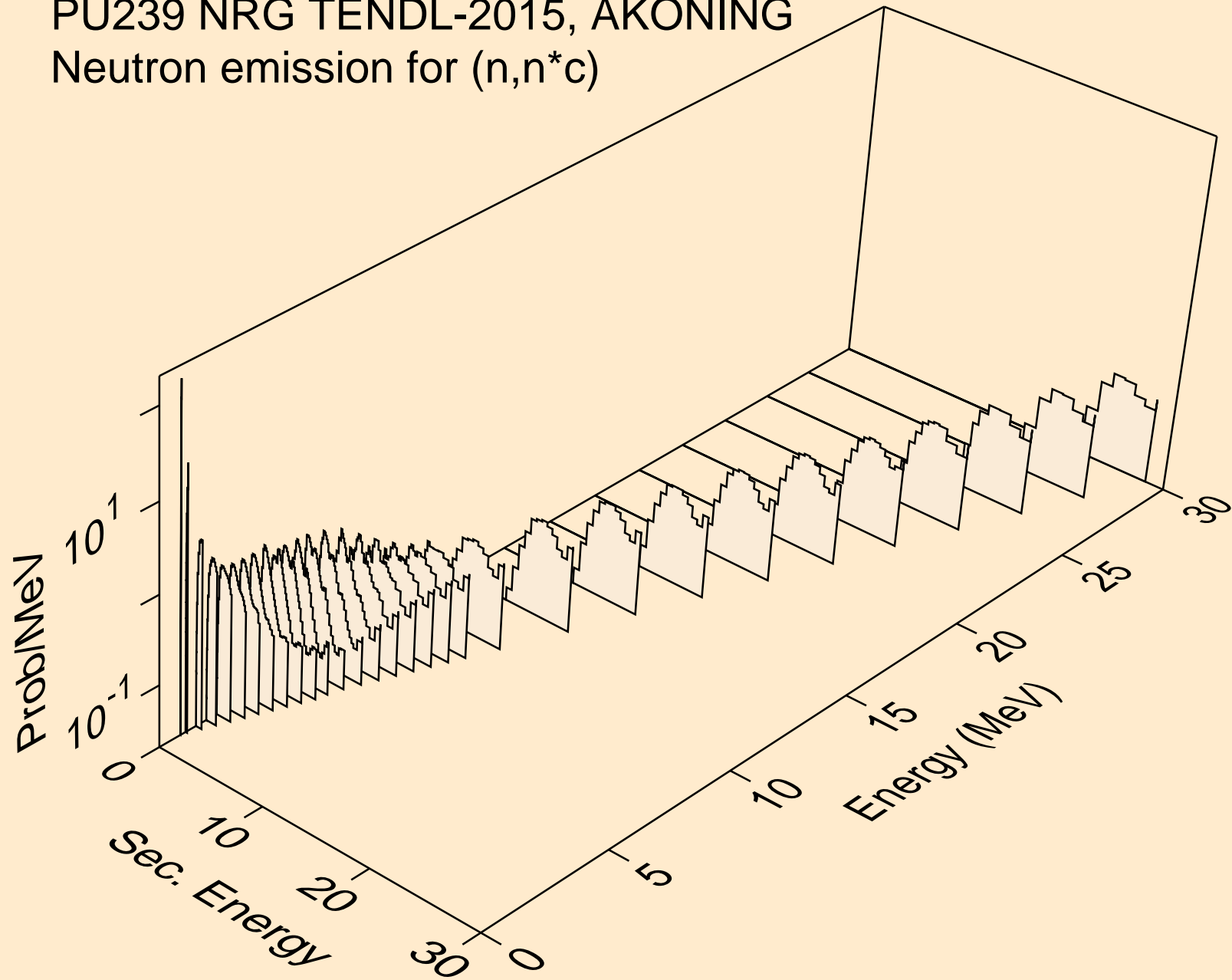
PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

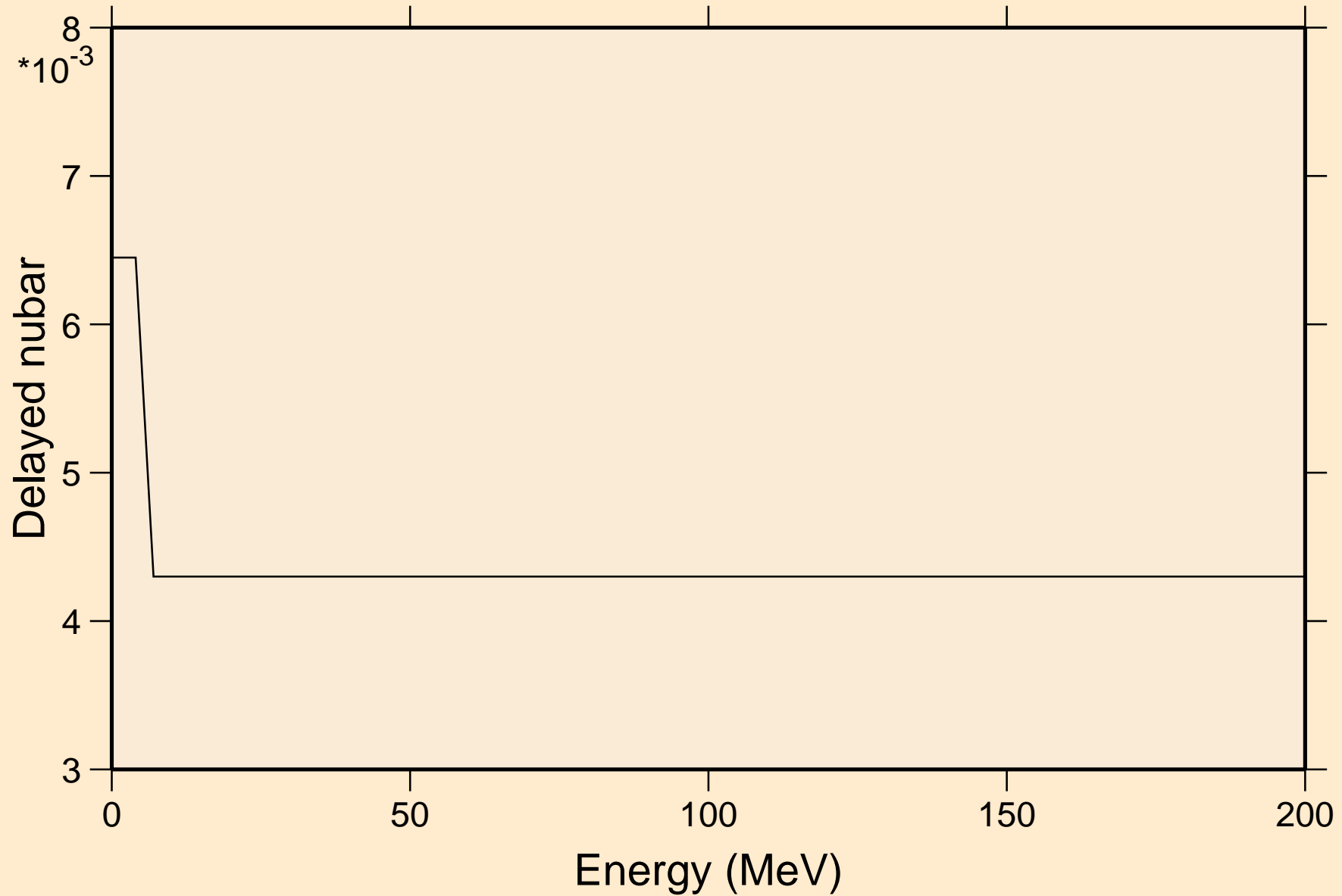


PU239 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



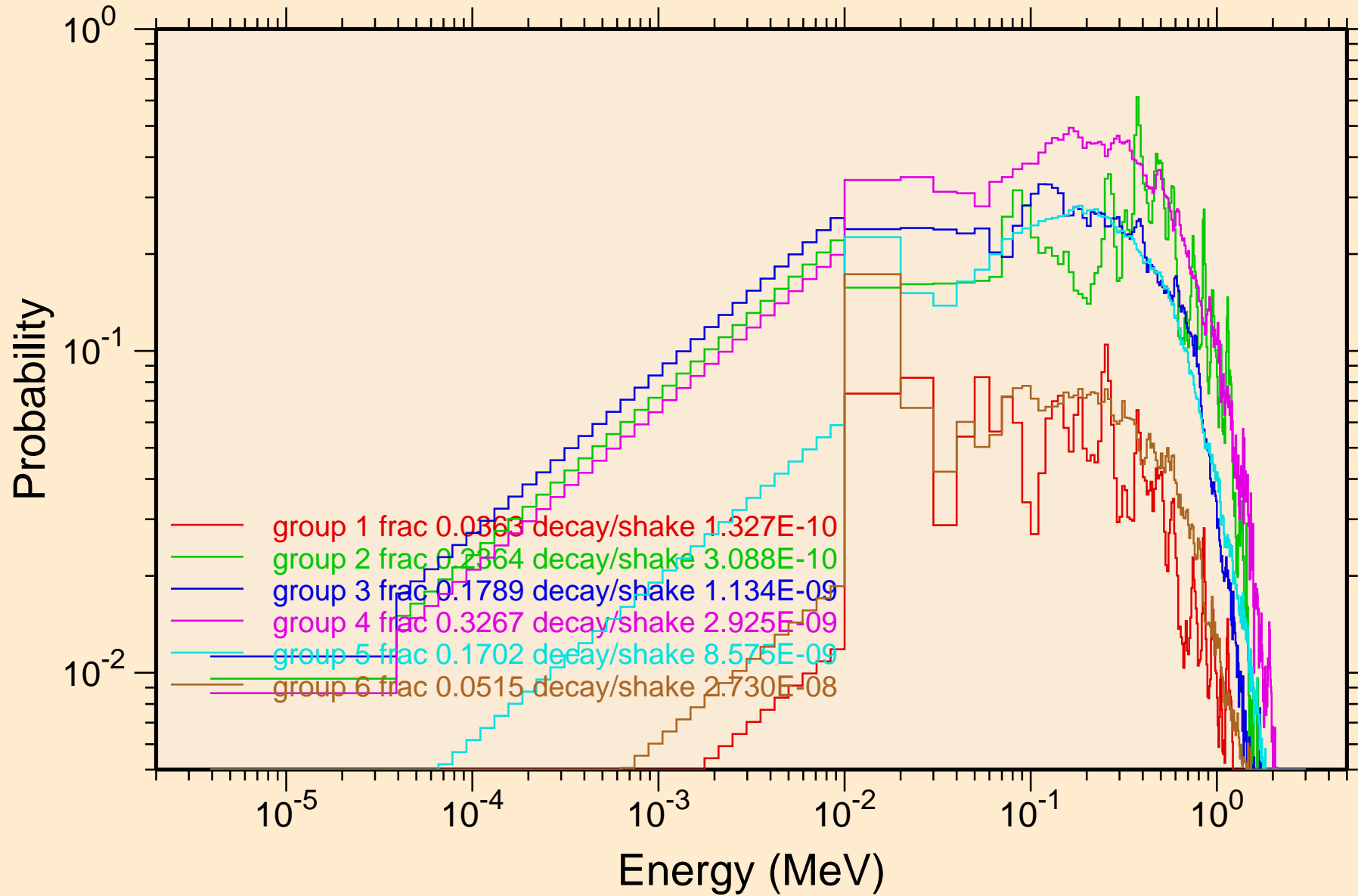
# PU239 NRG TENDL-2015, AKONING

## Delayed nubar

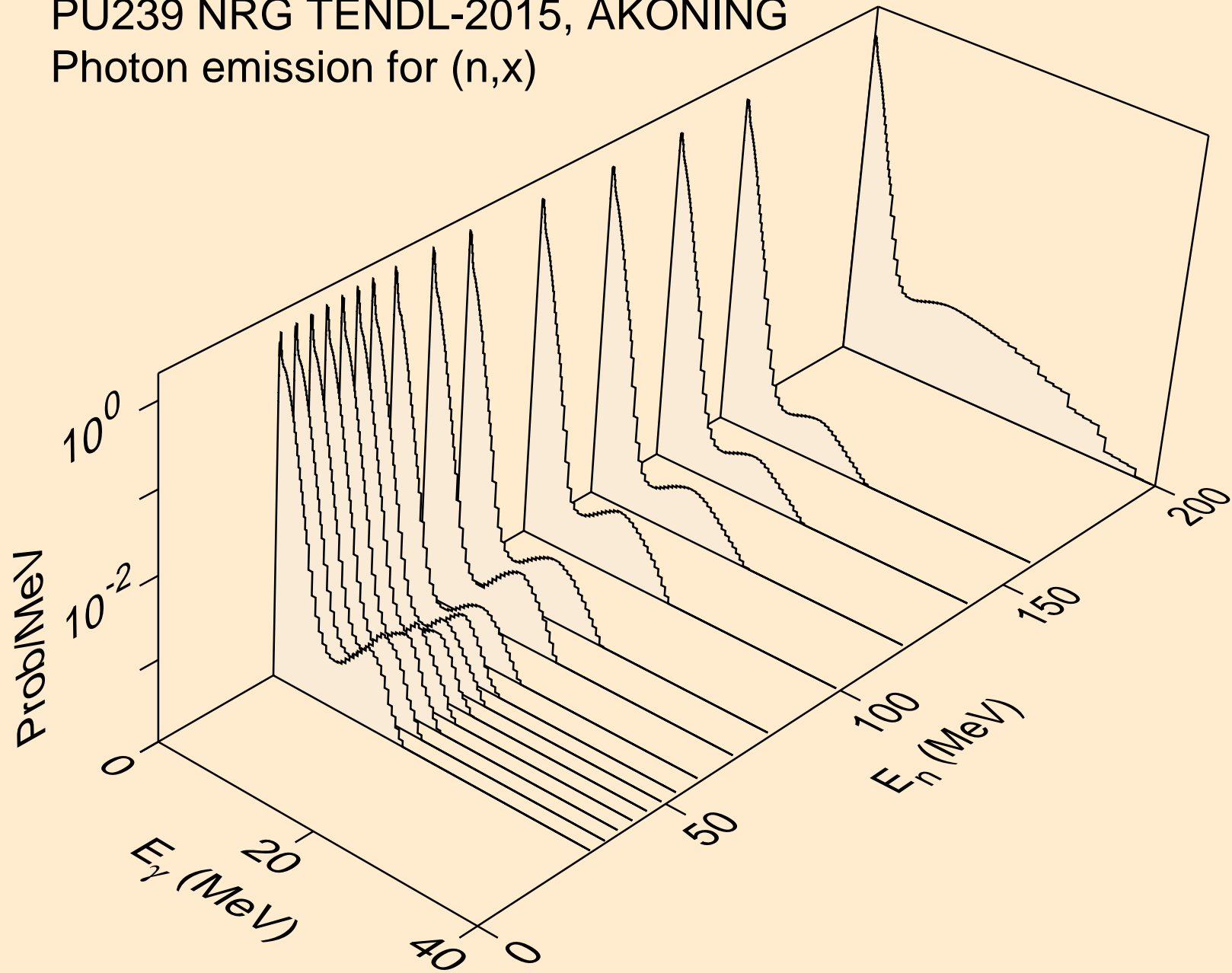


# PU239 NRG TENDL-2015, AKONING

## Delayed neutron spectra

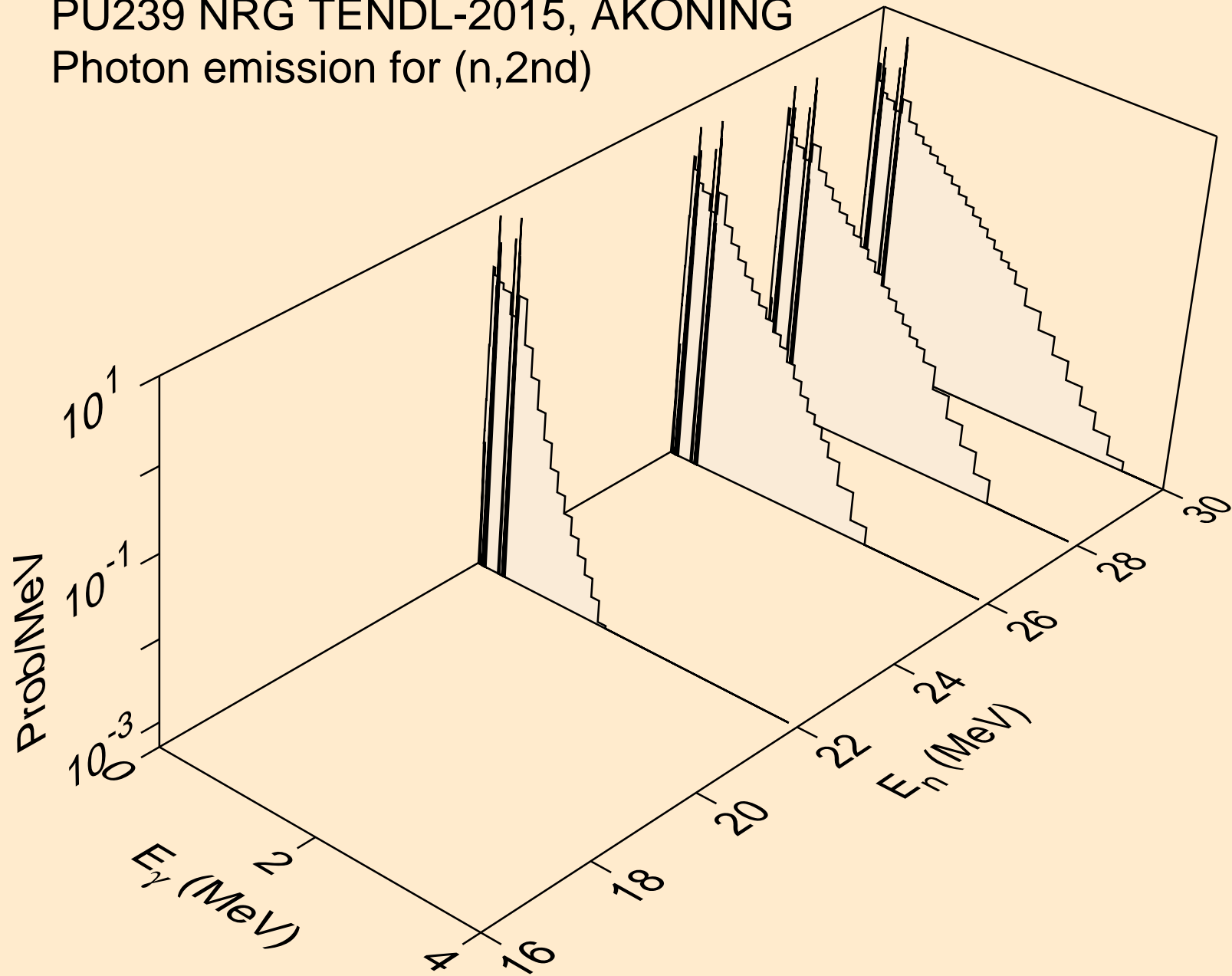


PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

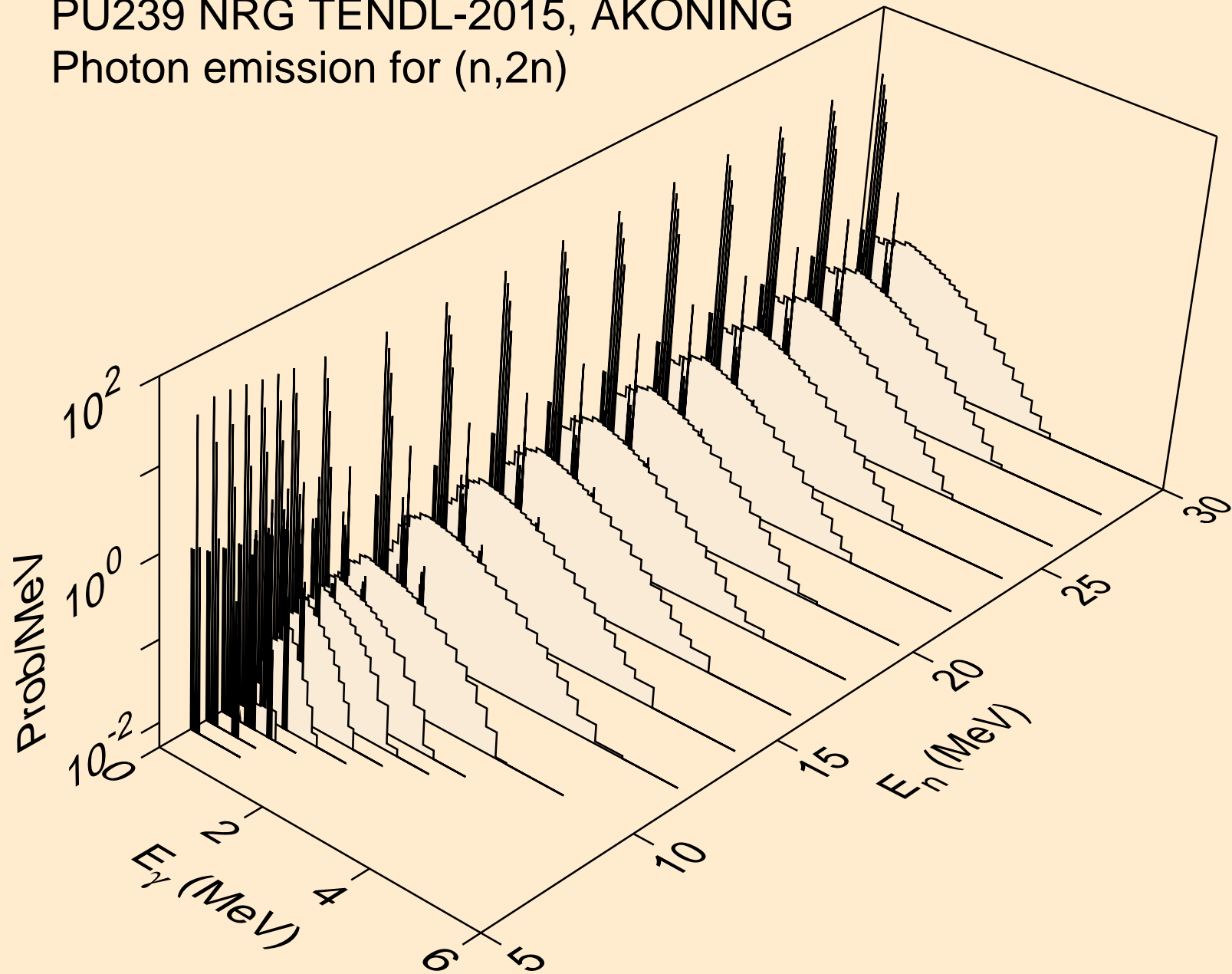




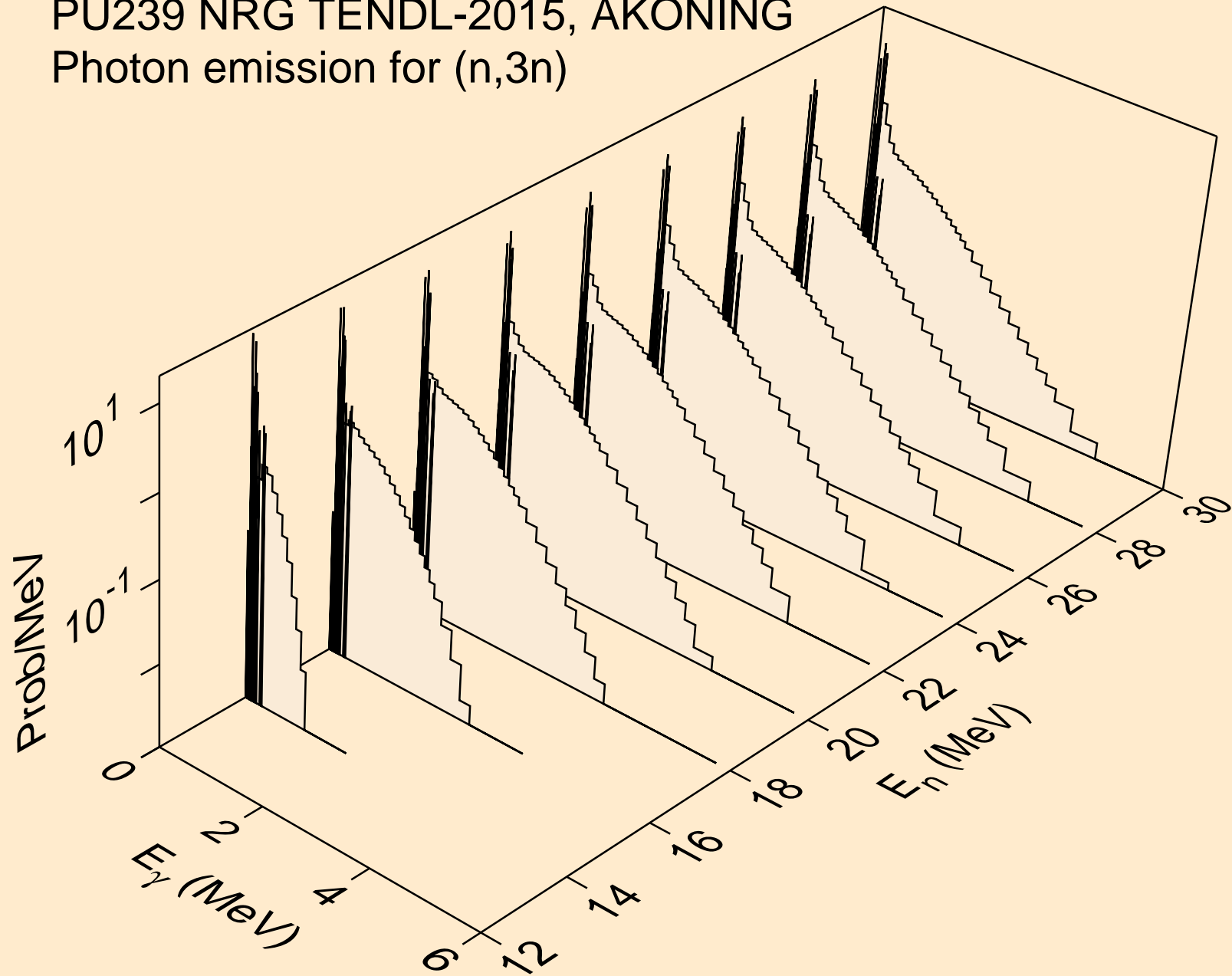
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



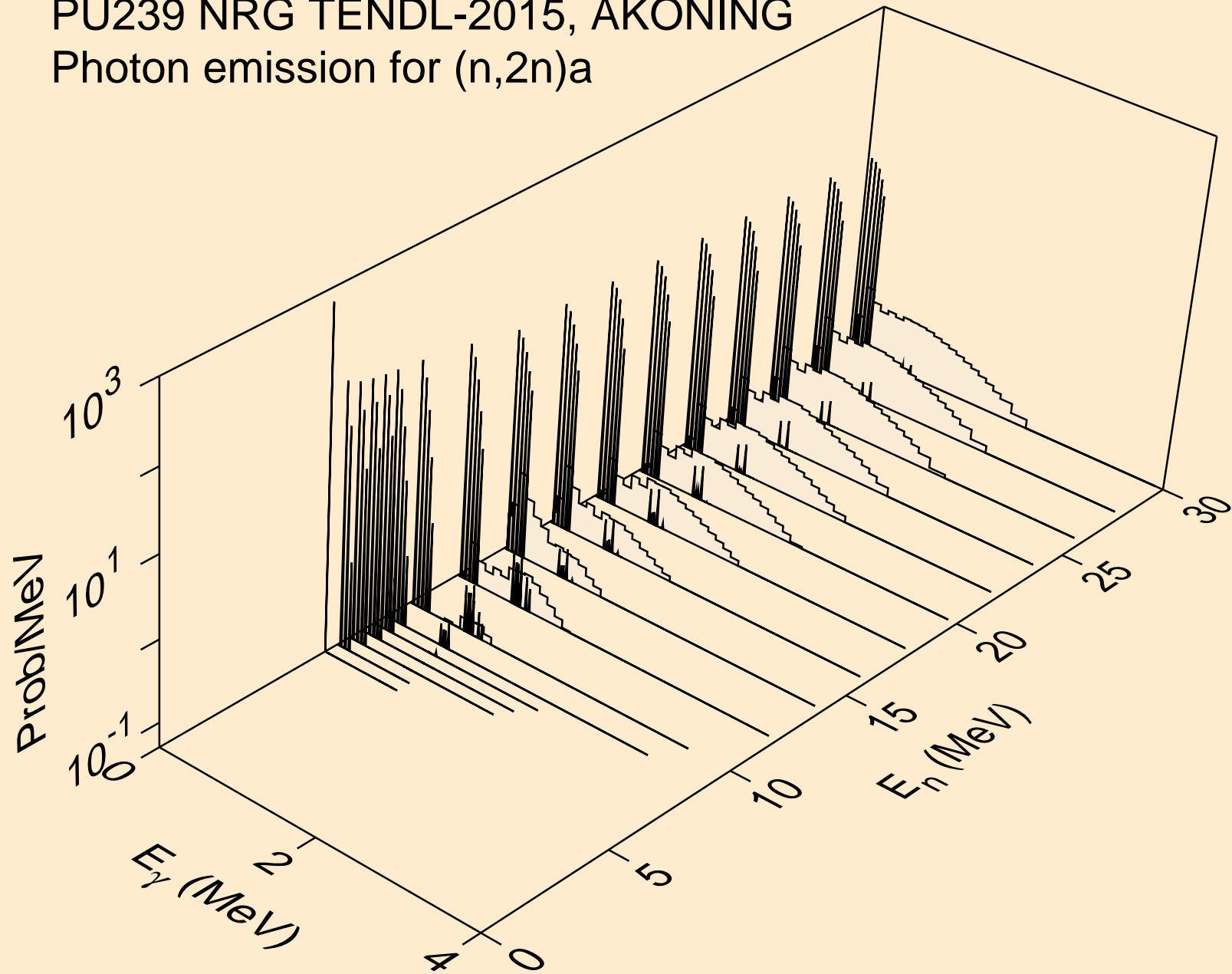
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



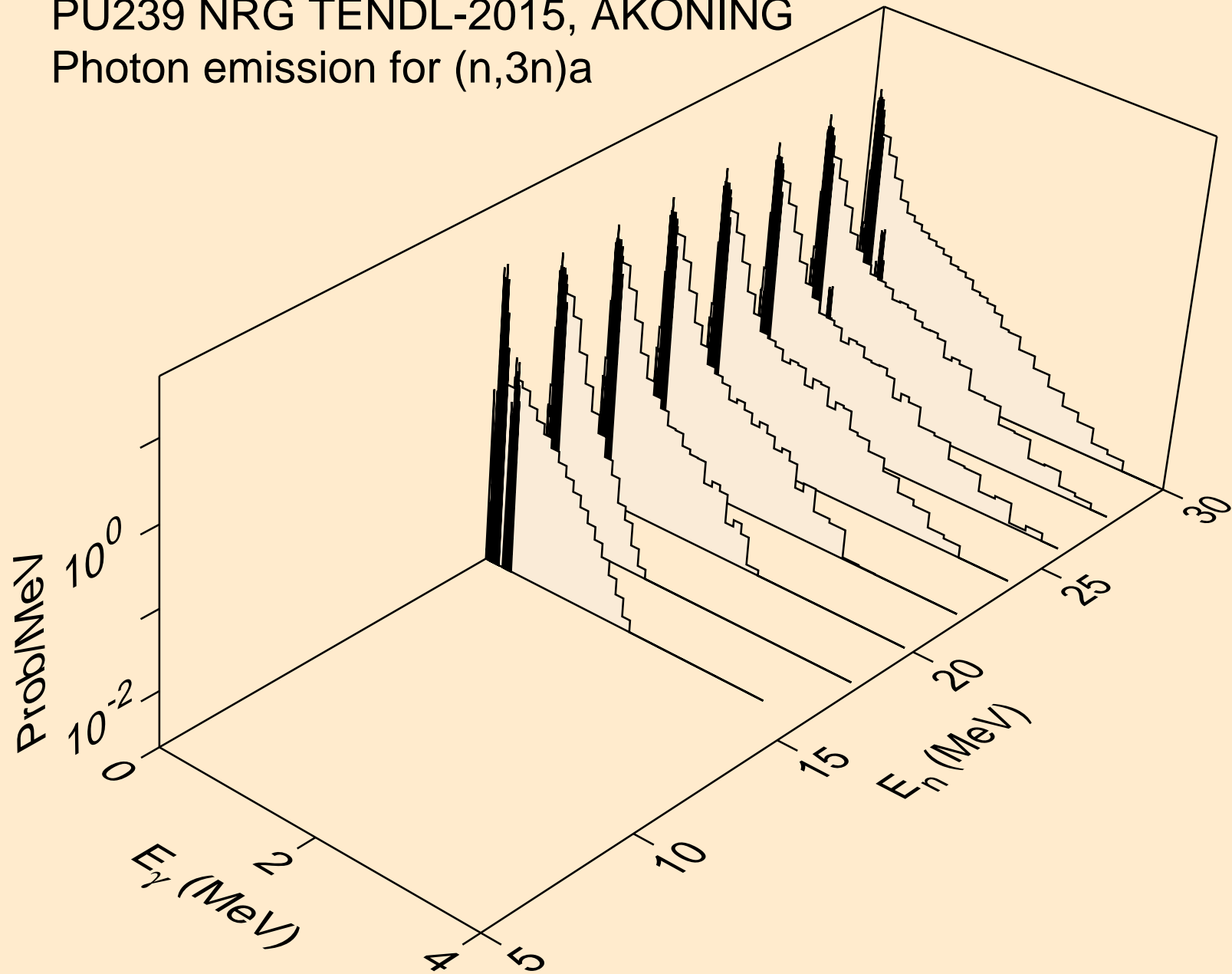
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



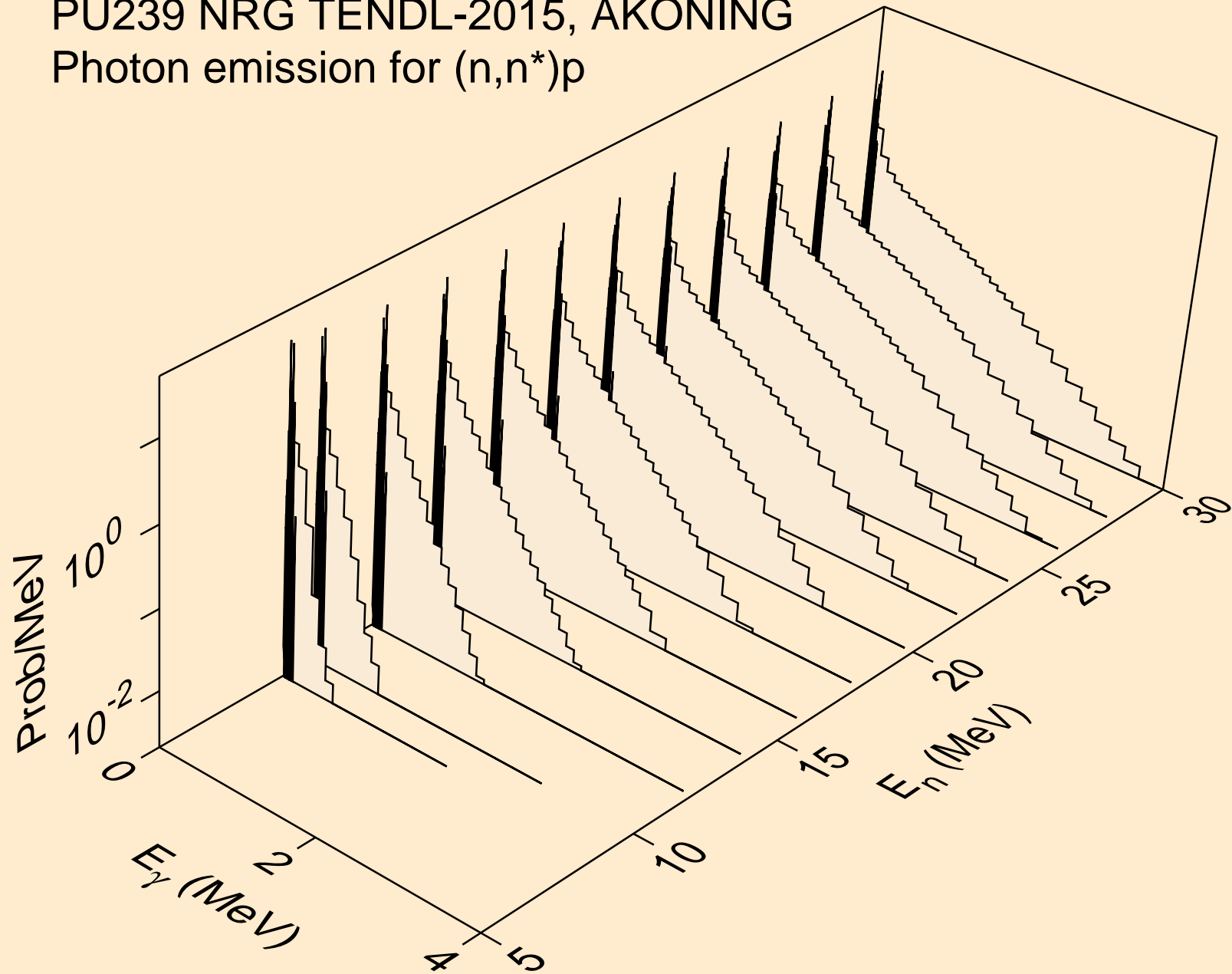
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



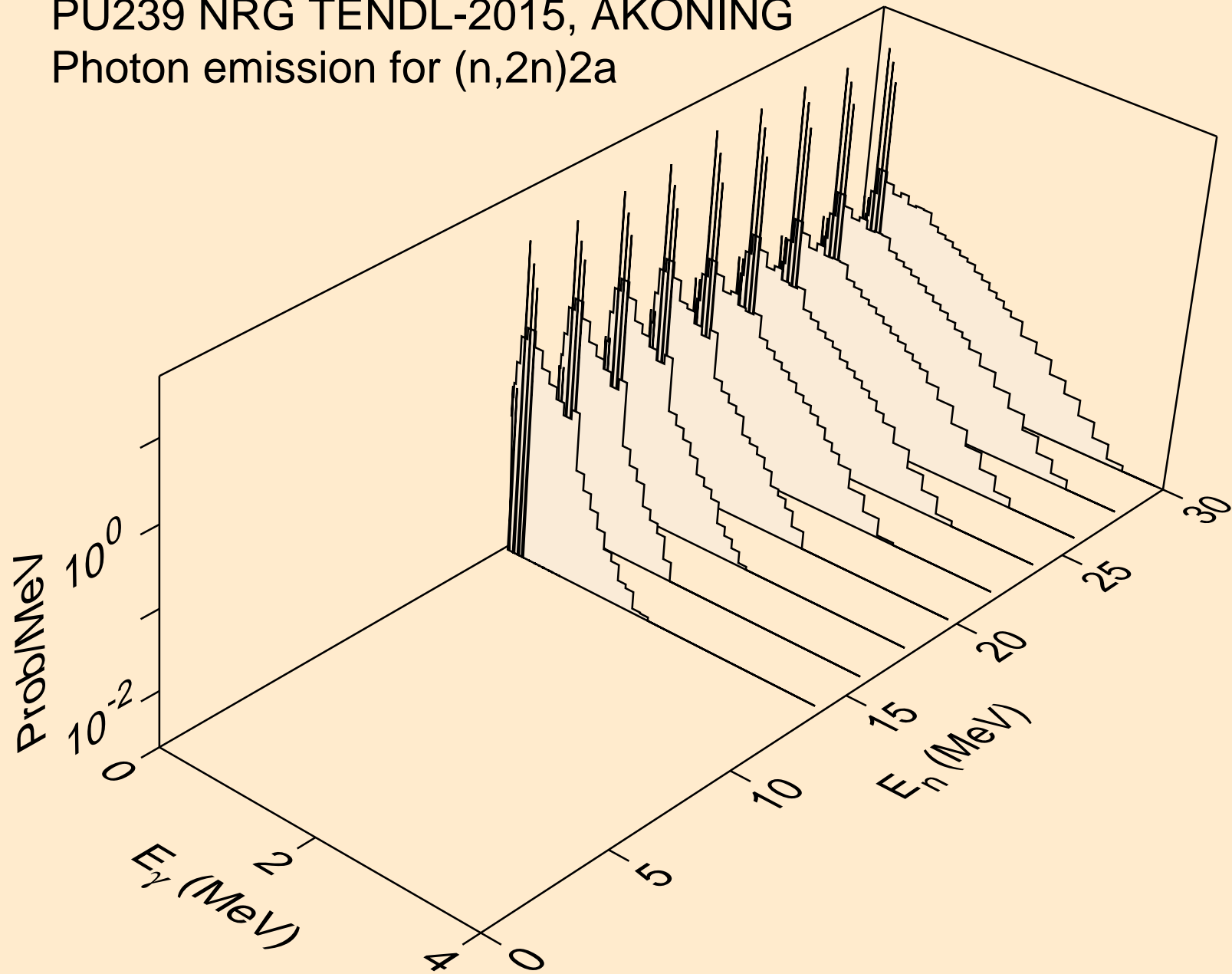
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



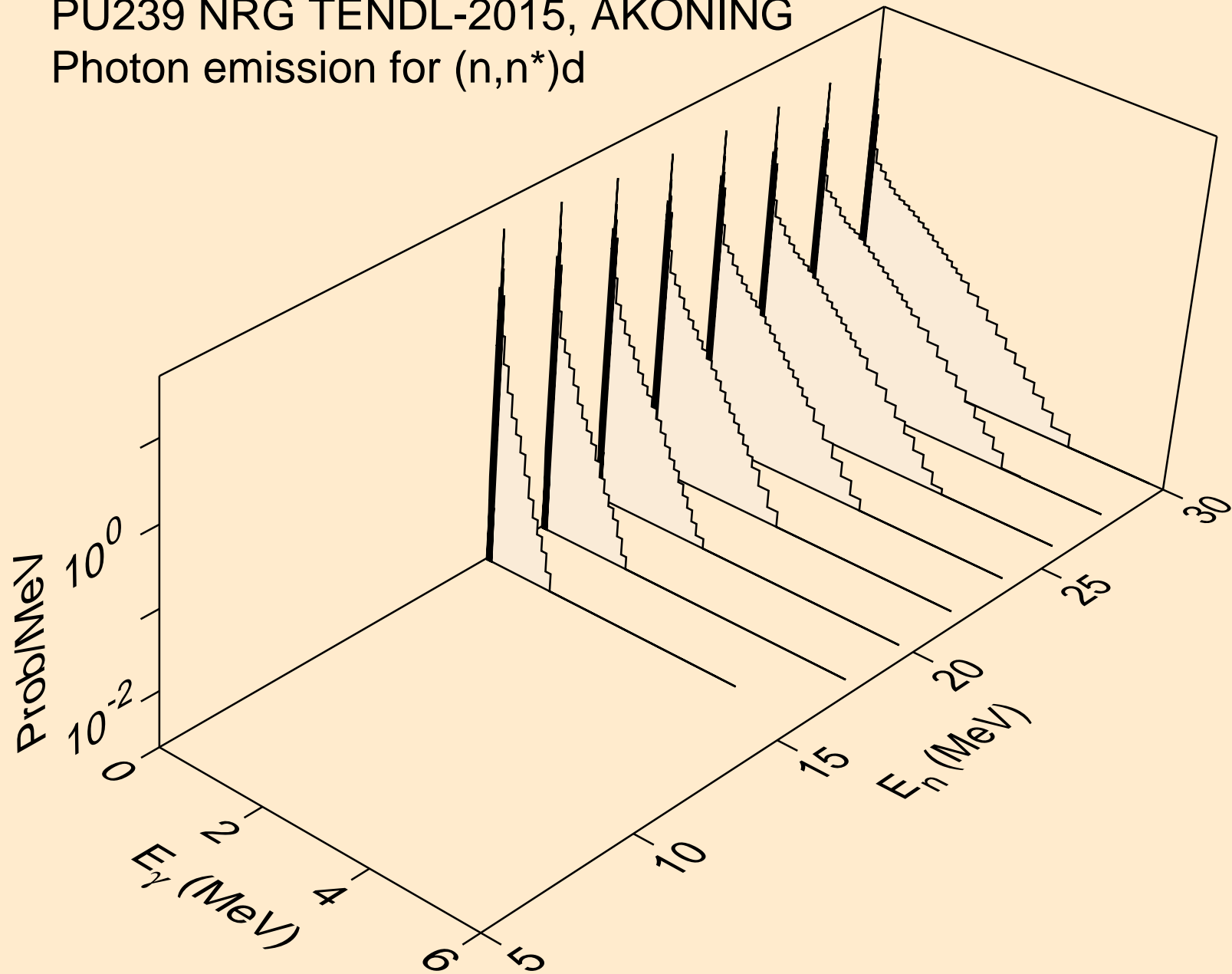
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

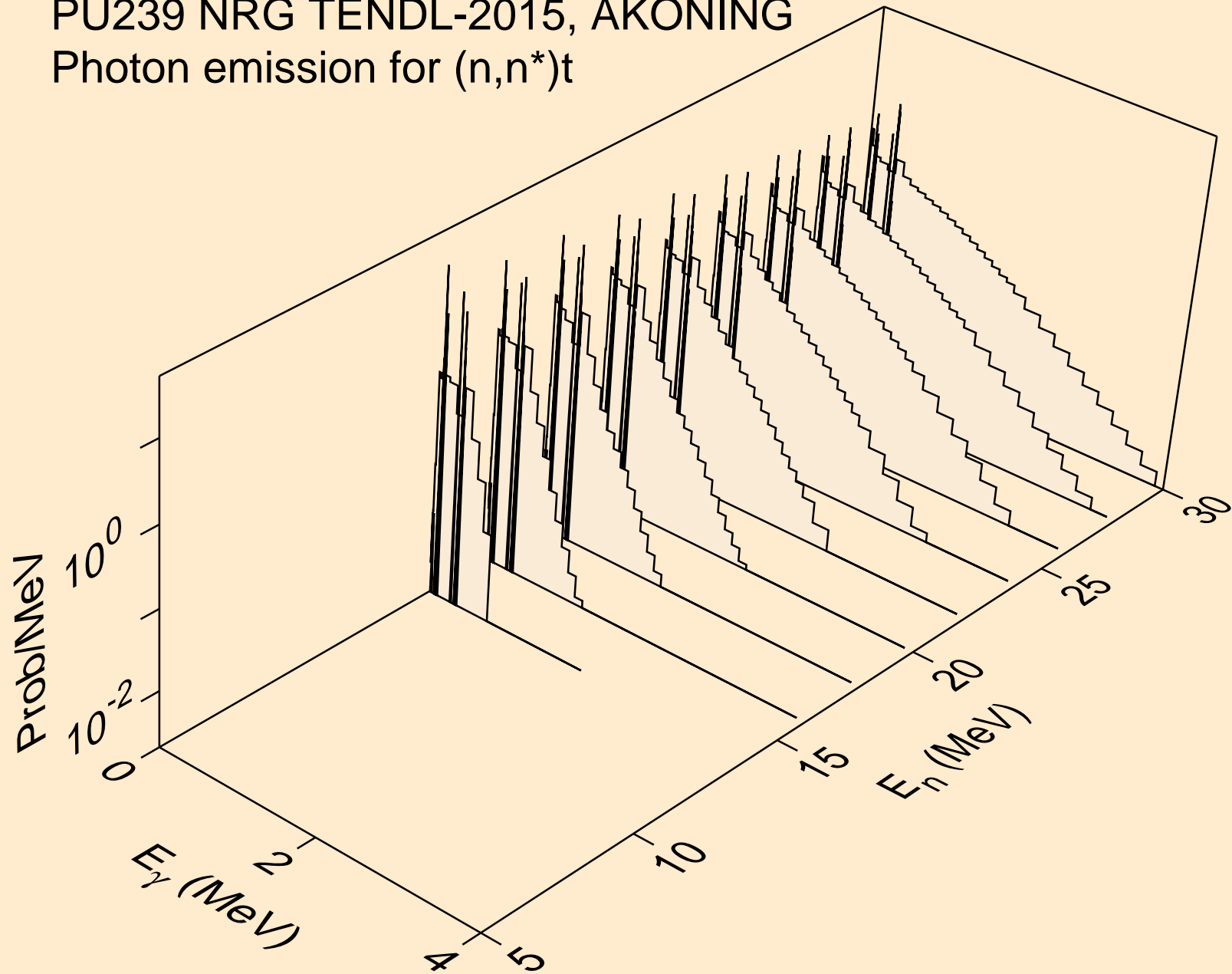


PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

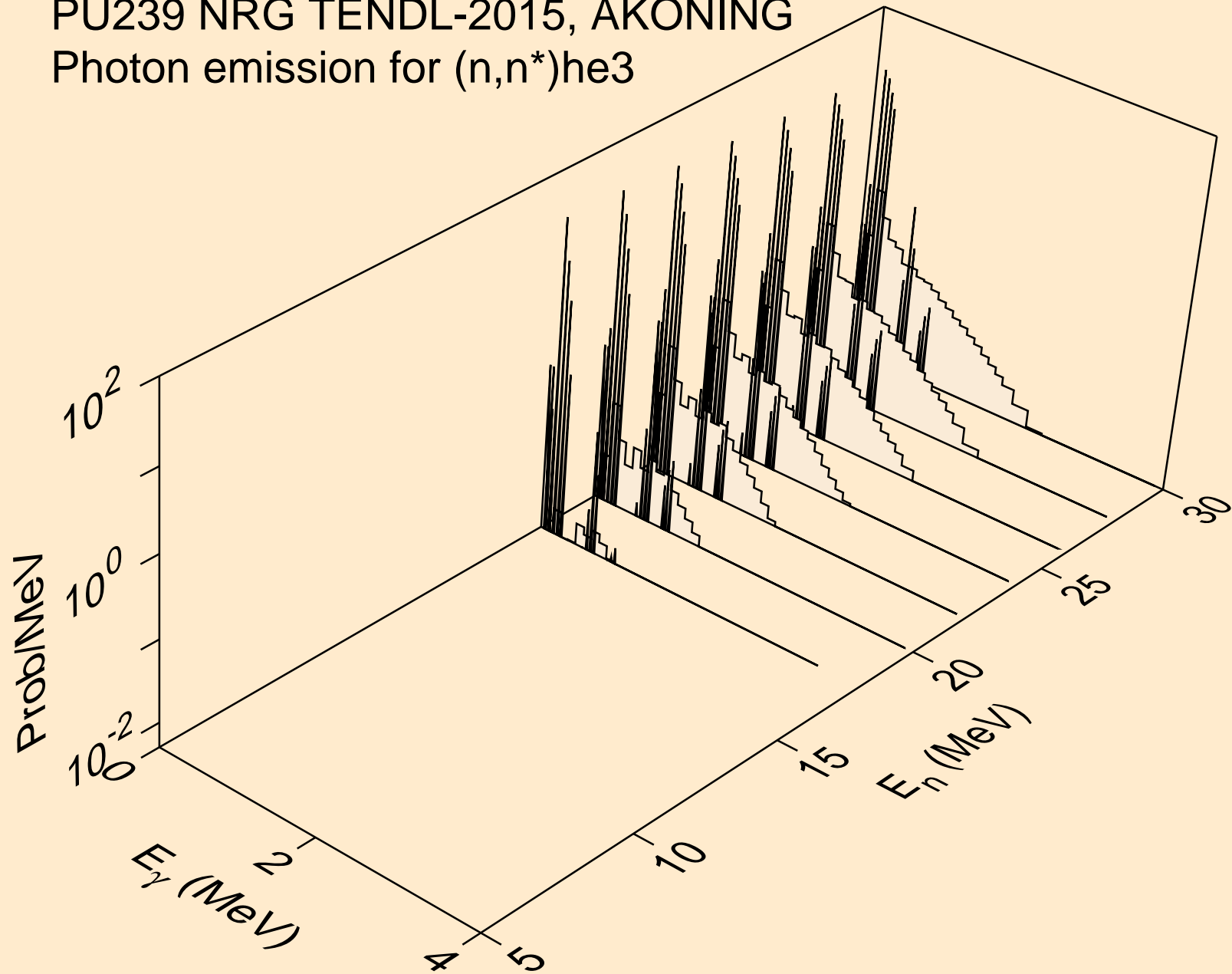




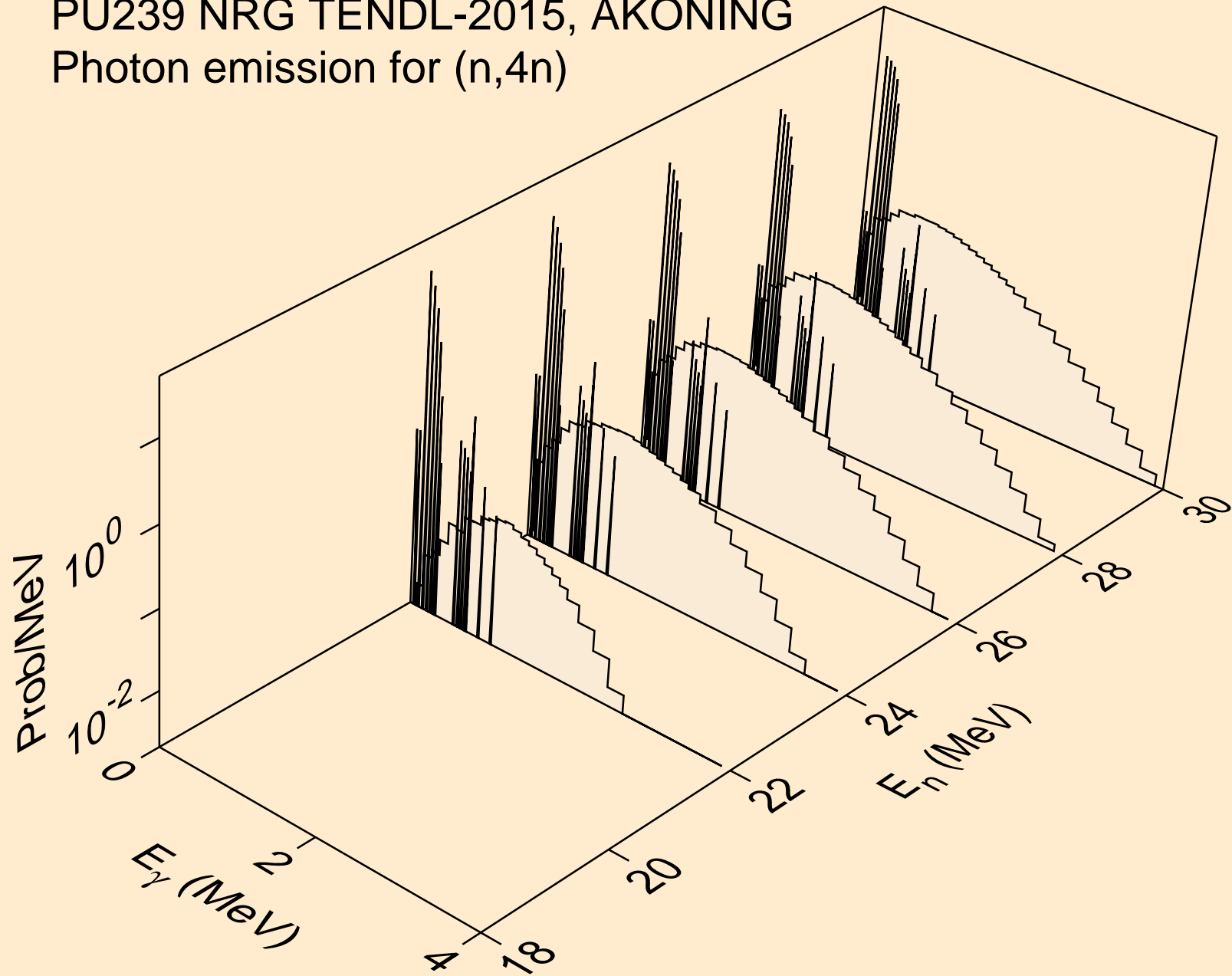
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



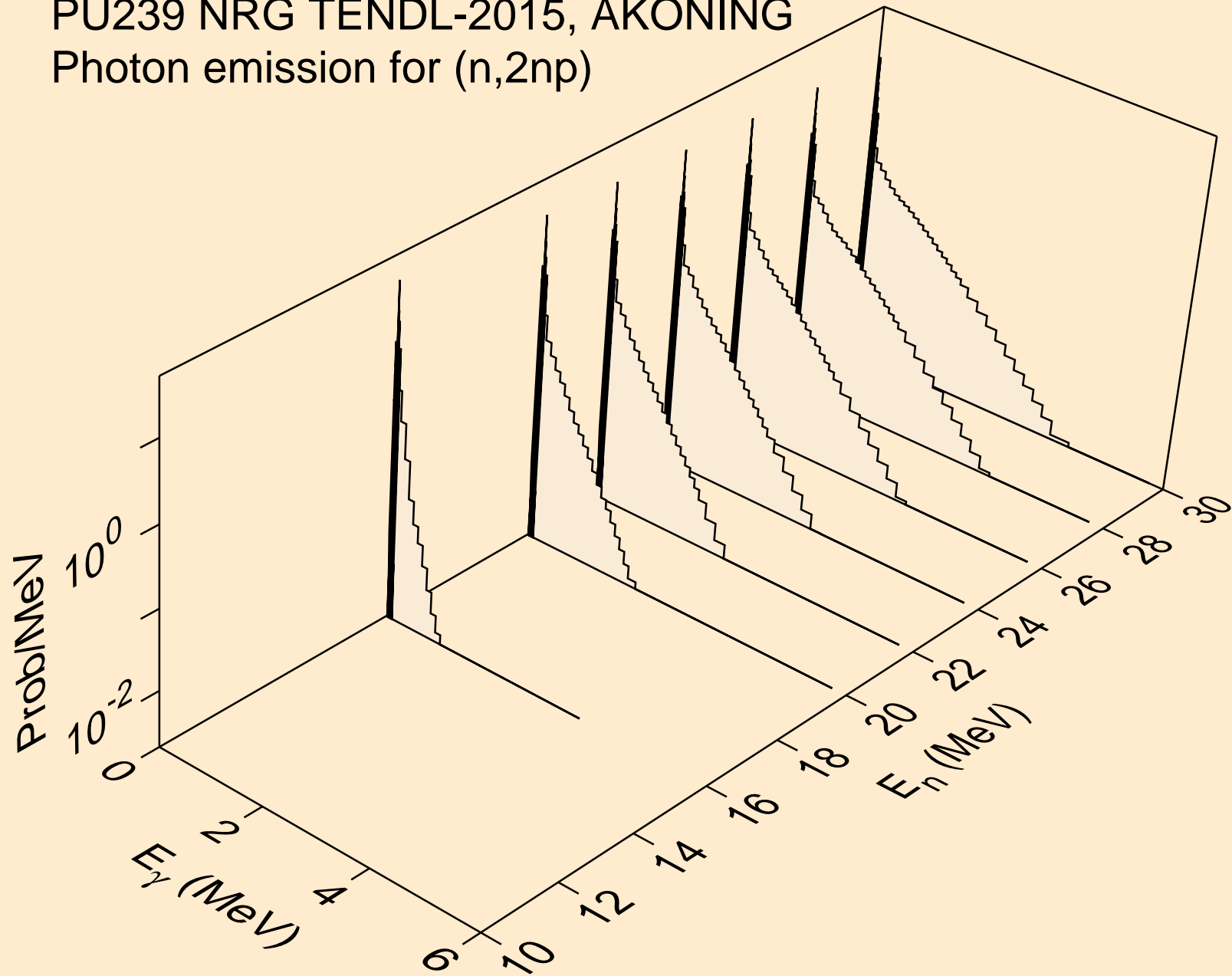
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



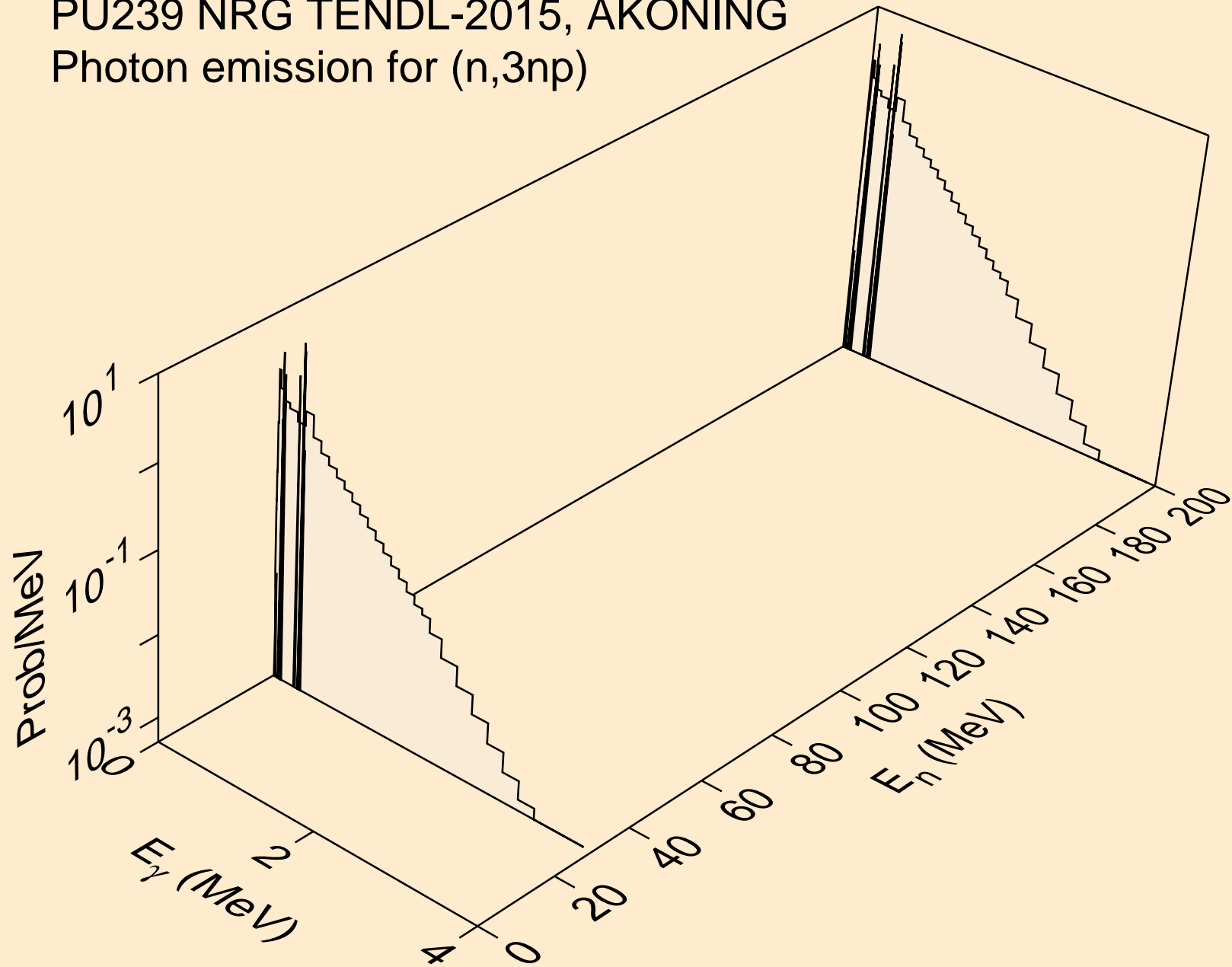
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



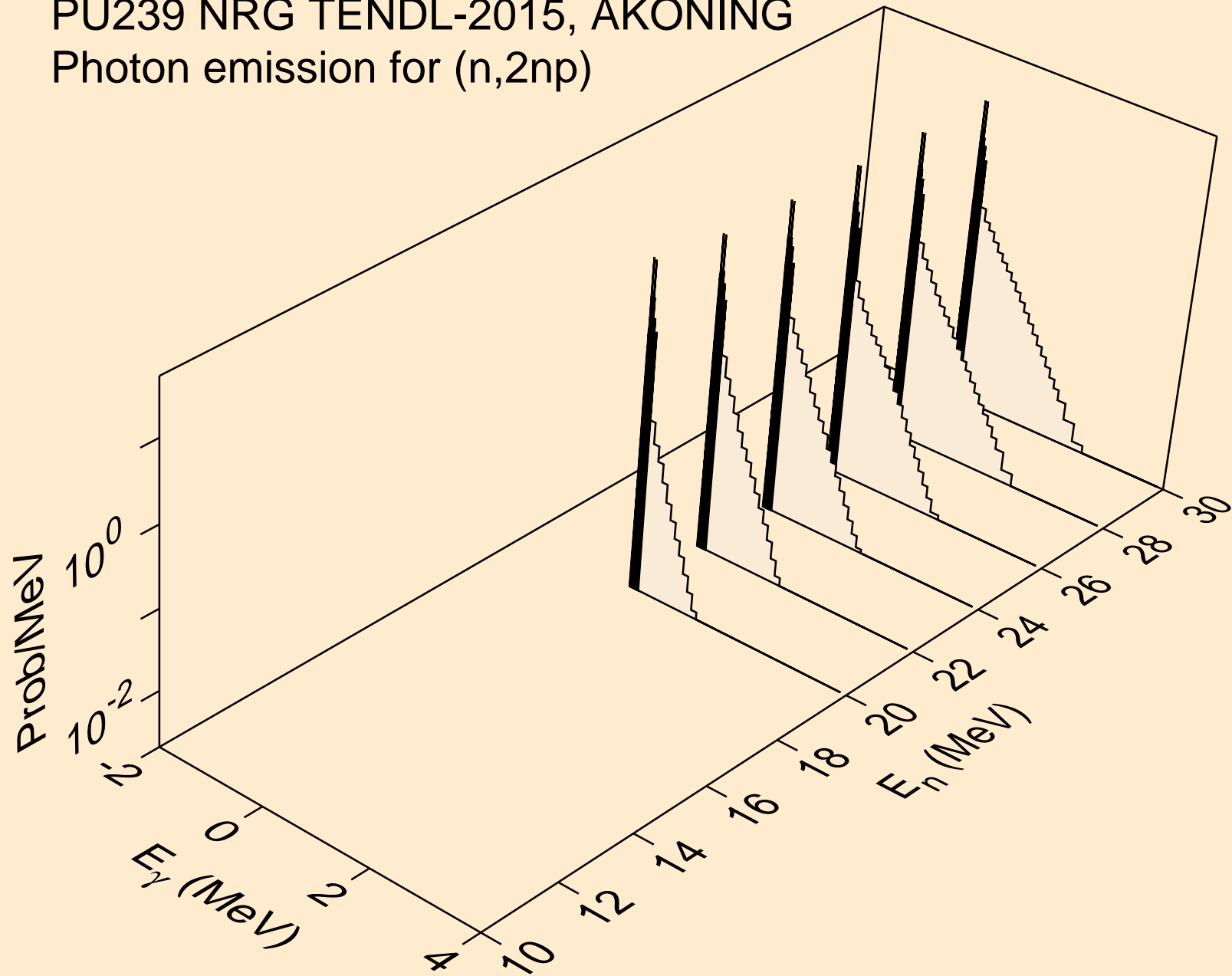
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



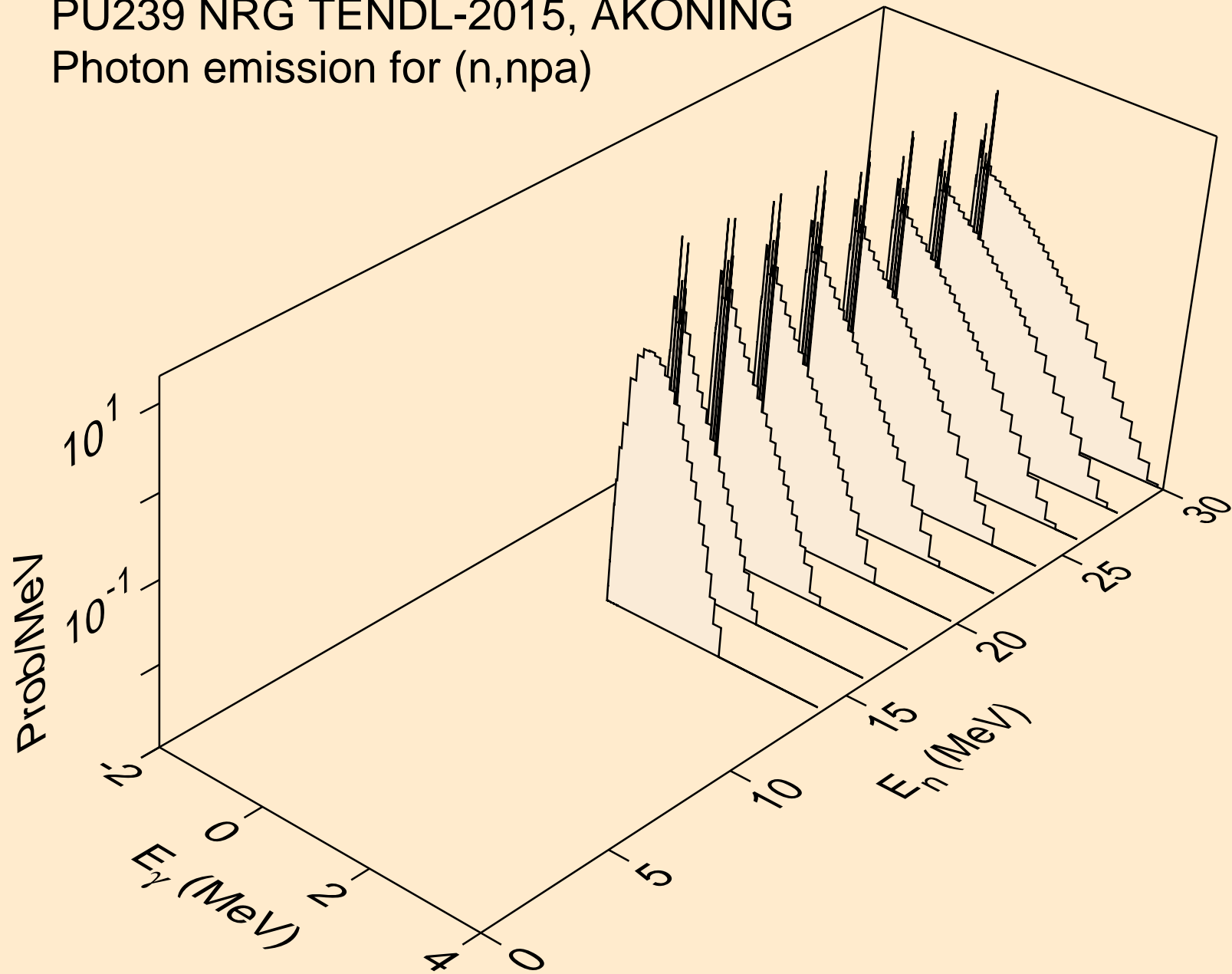
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



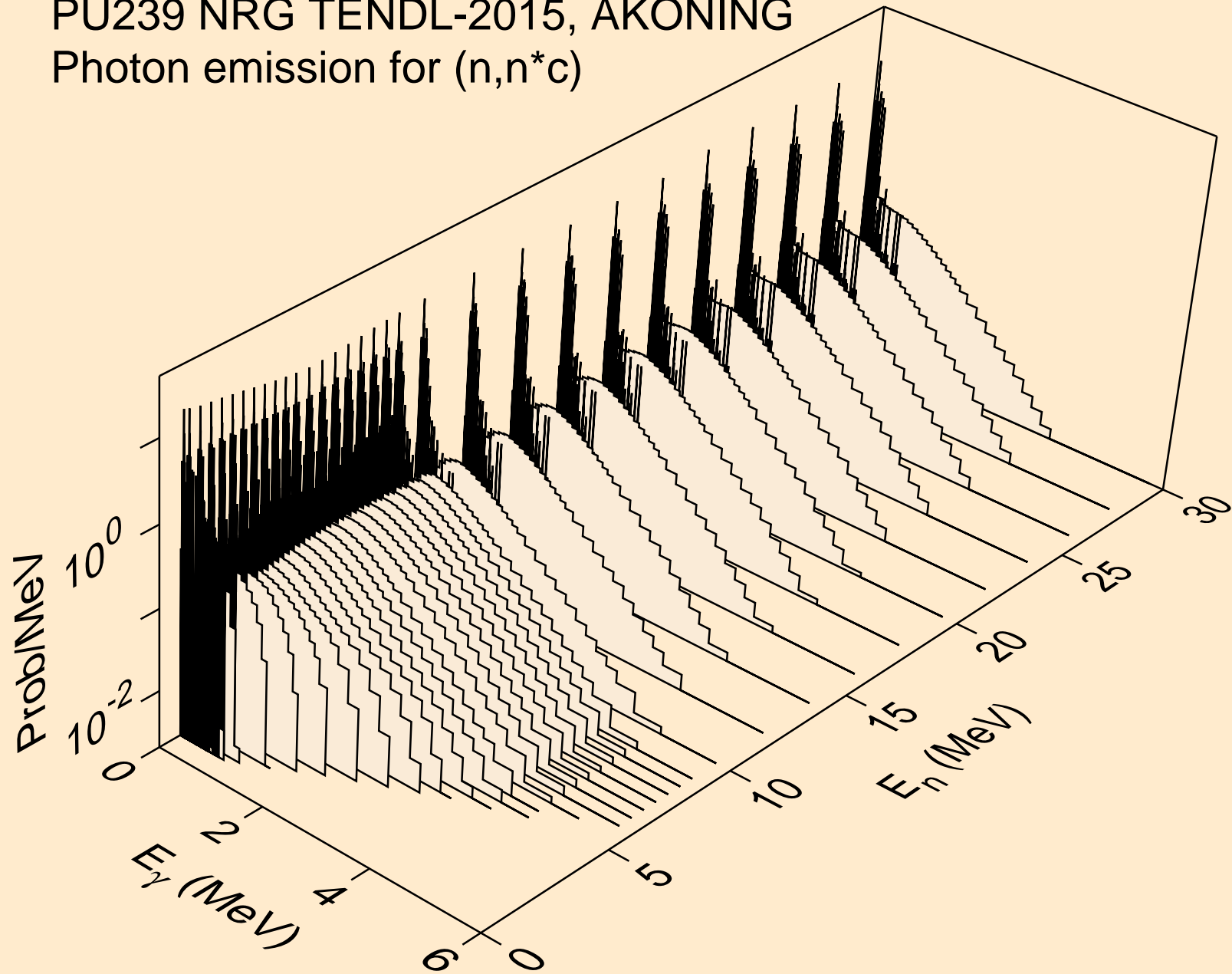
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

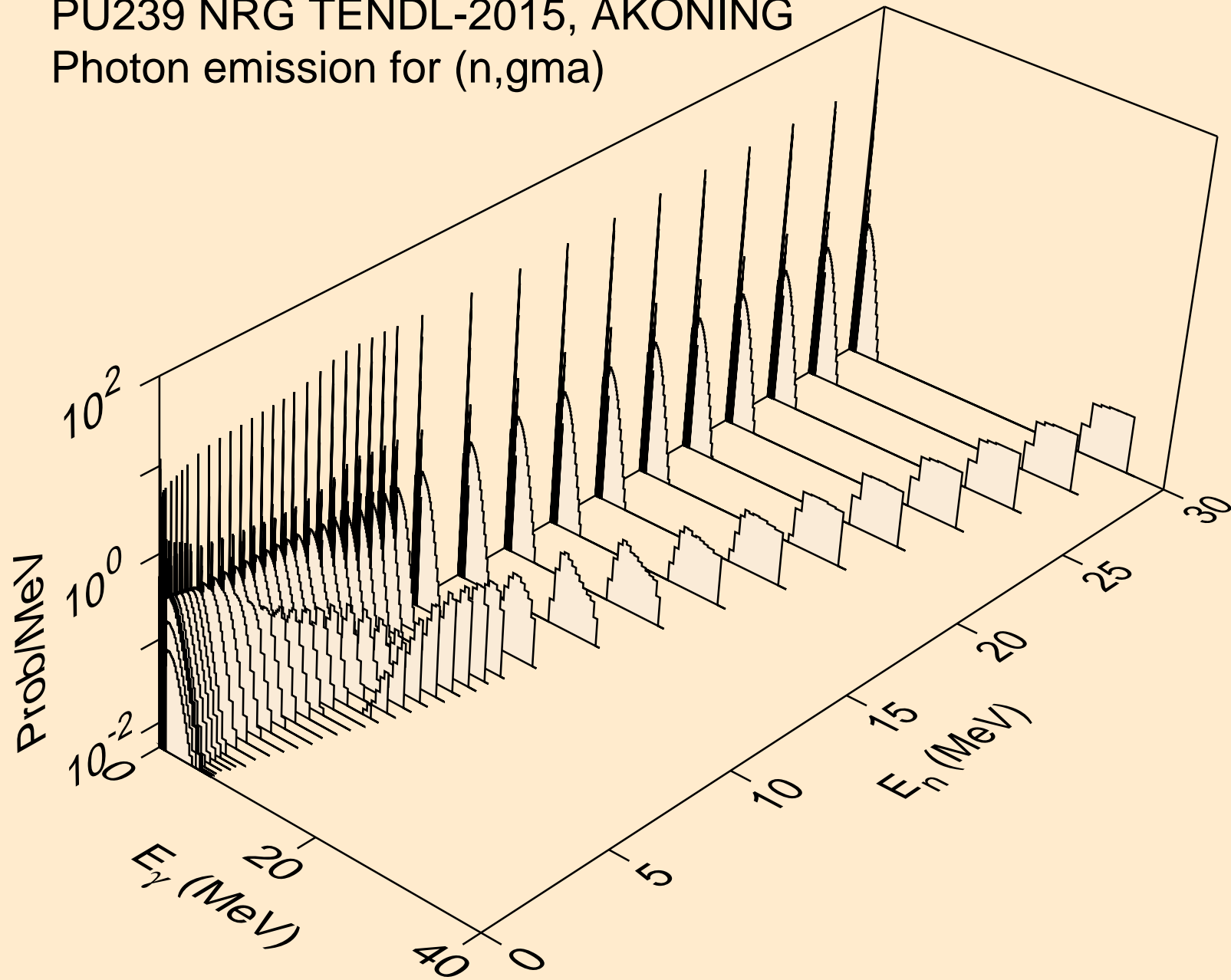


PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

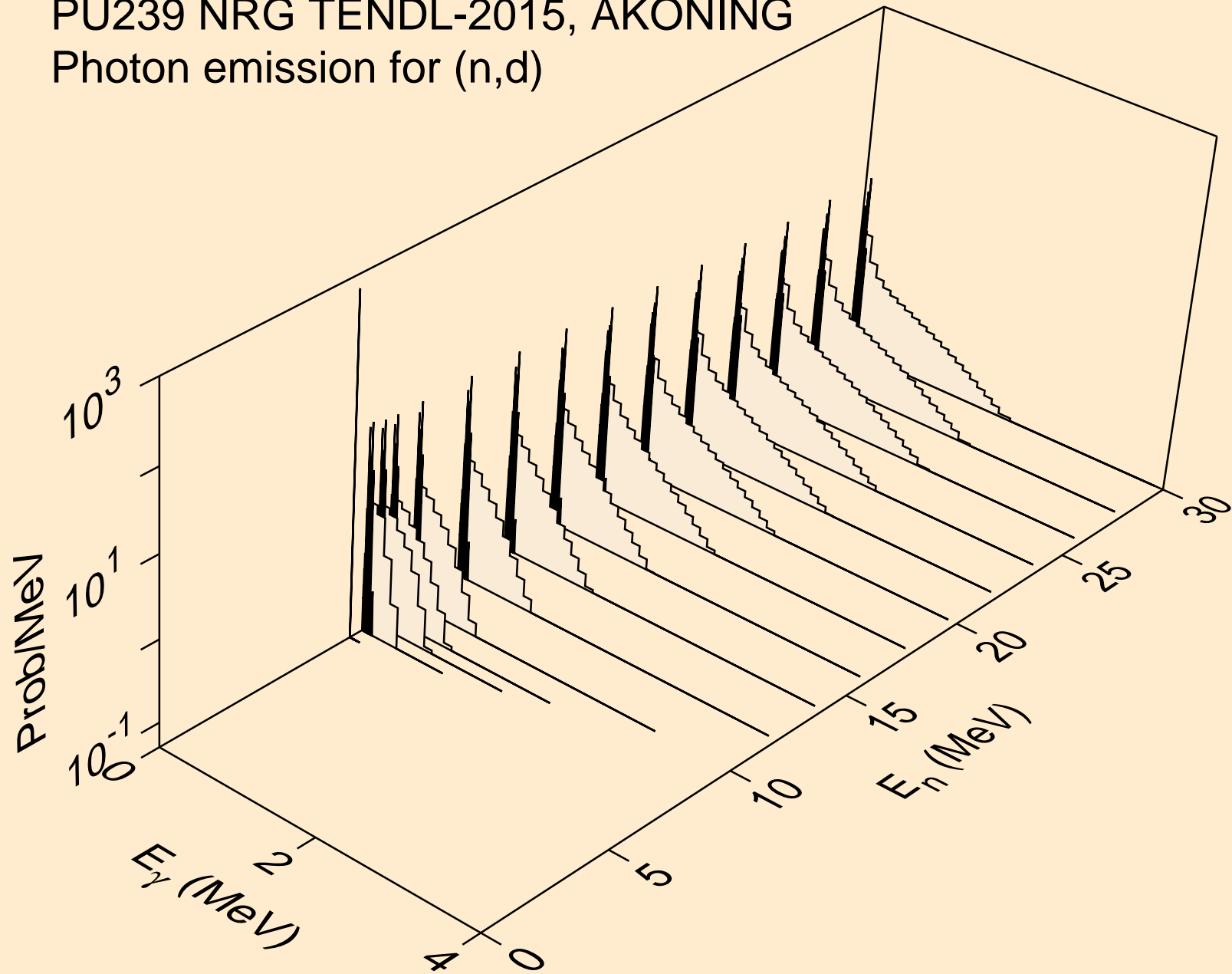




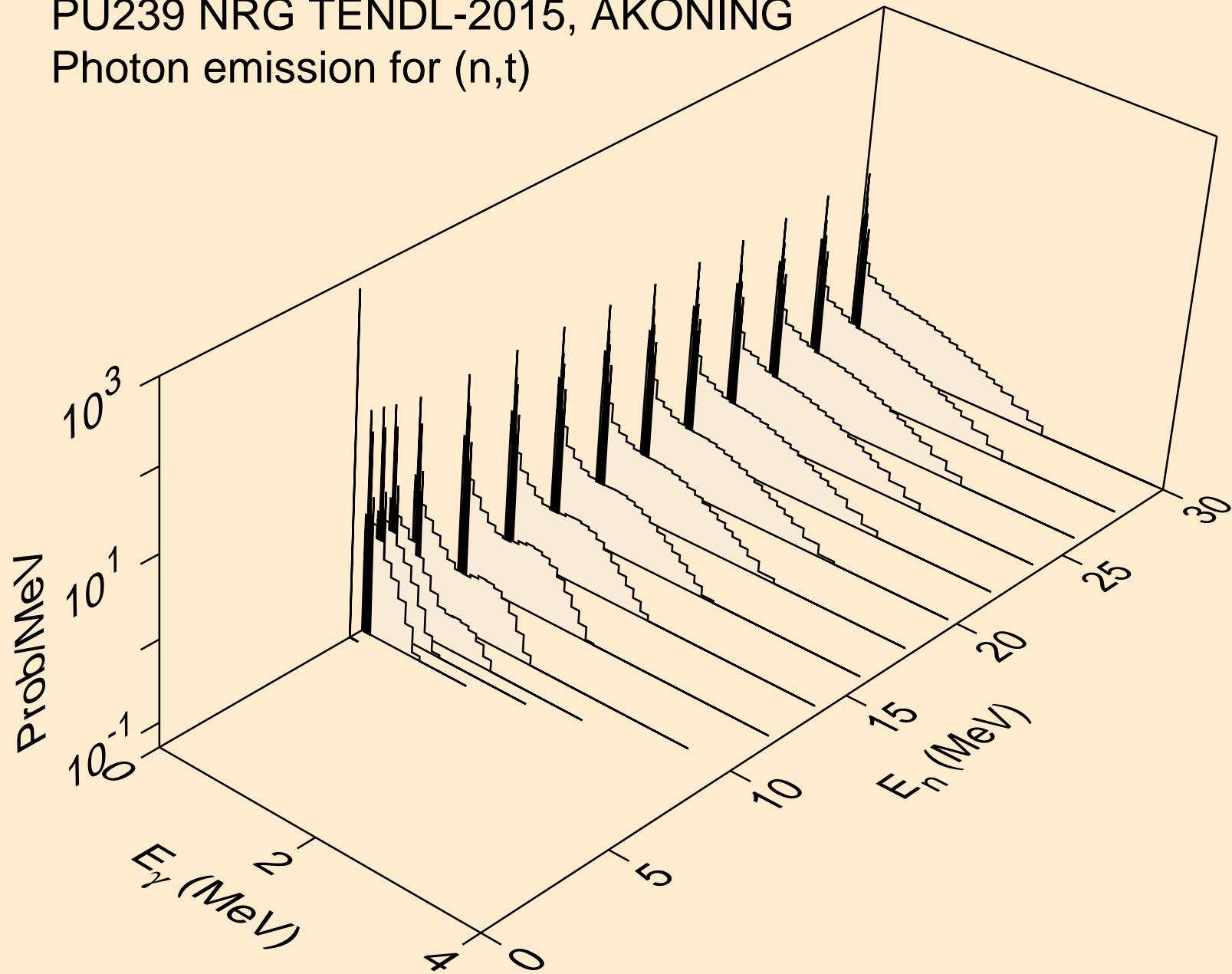
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



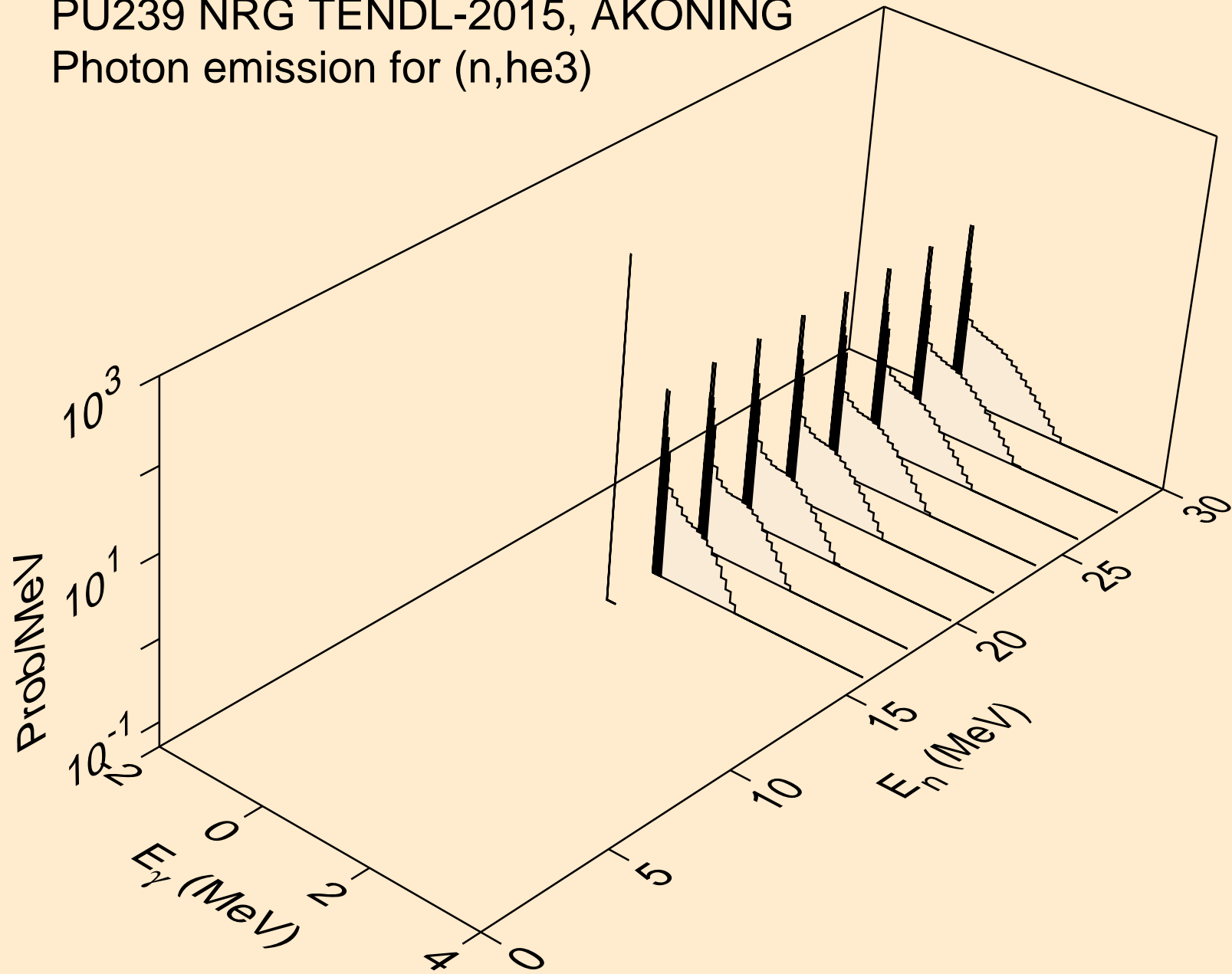
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



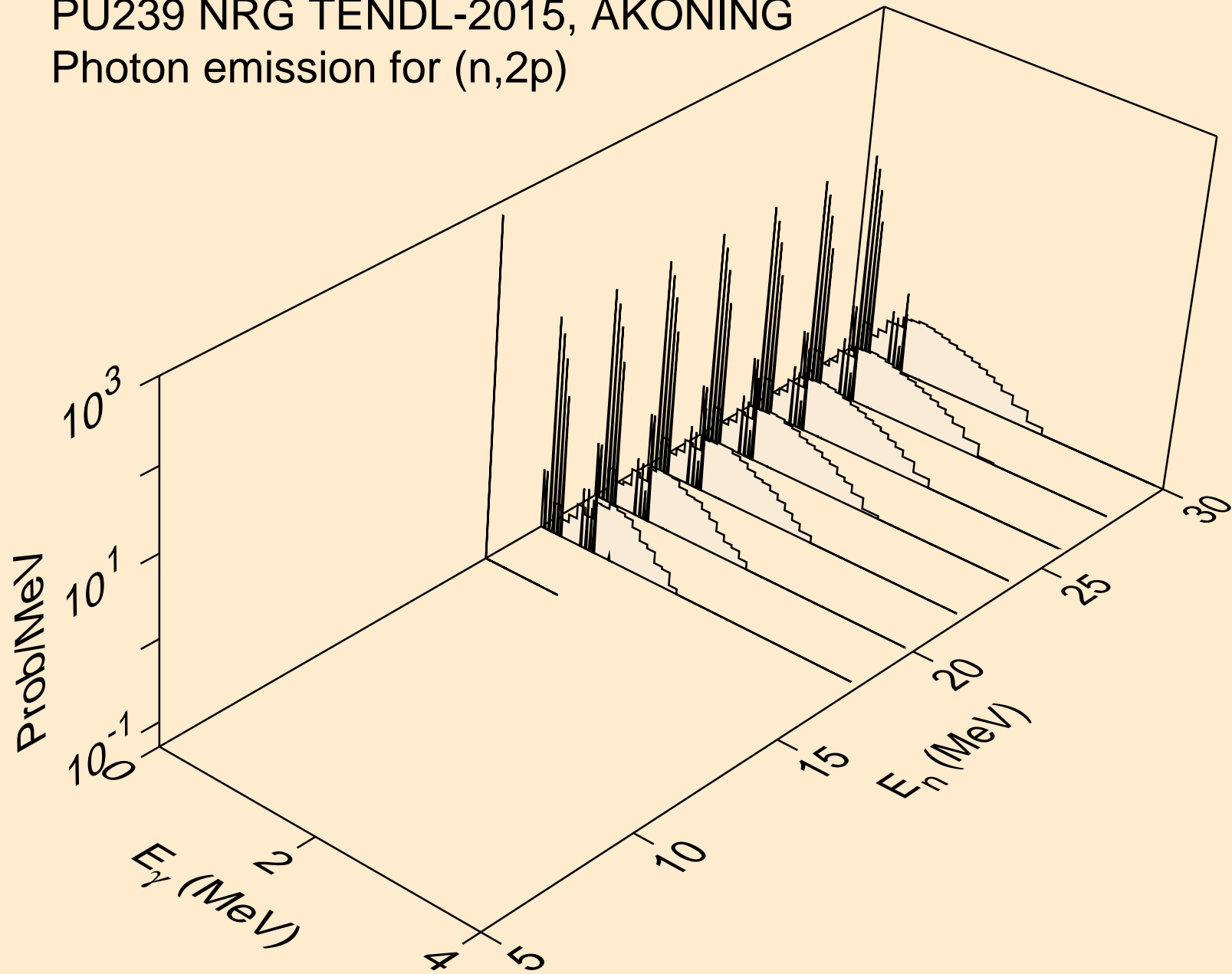
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



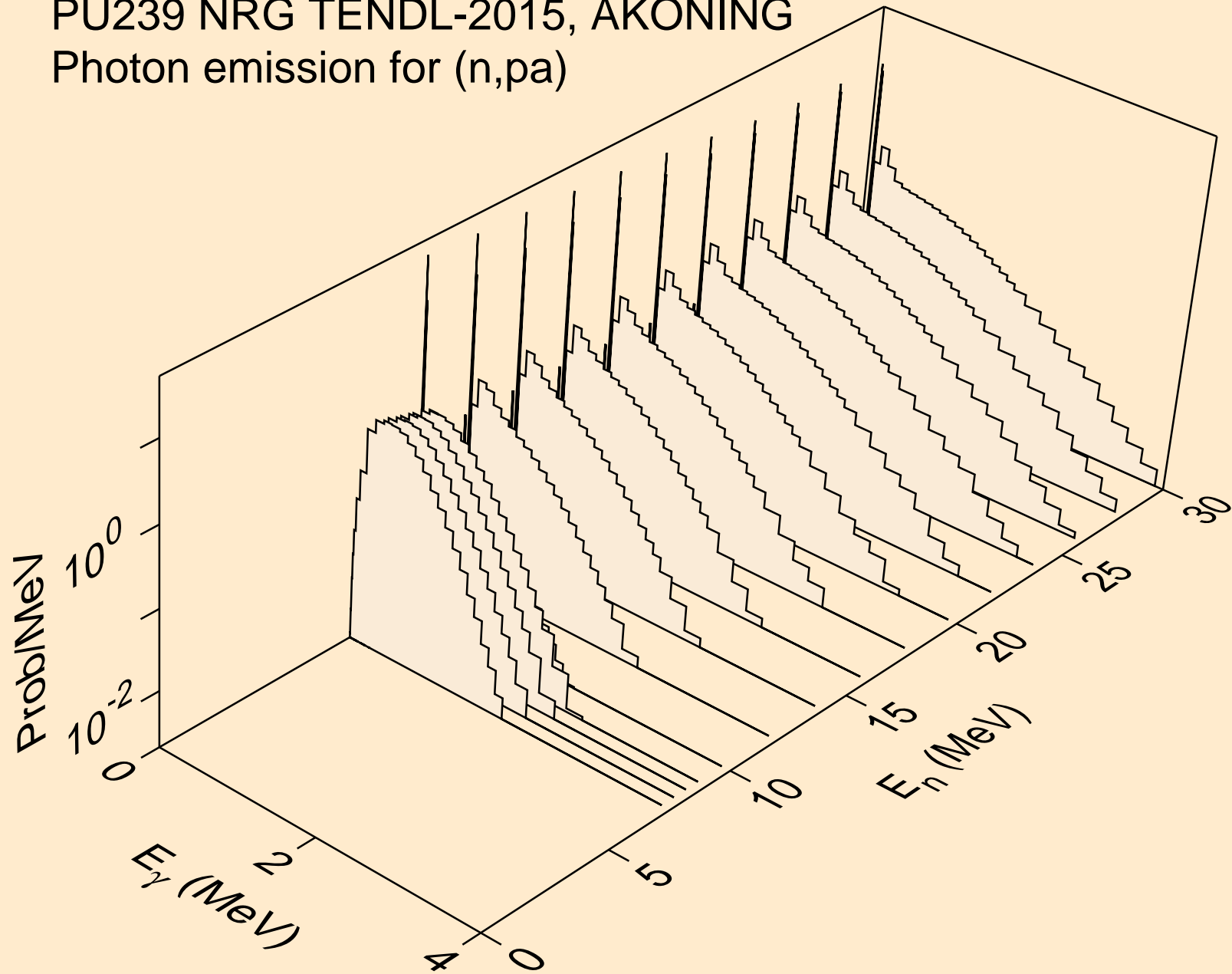
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



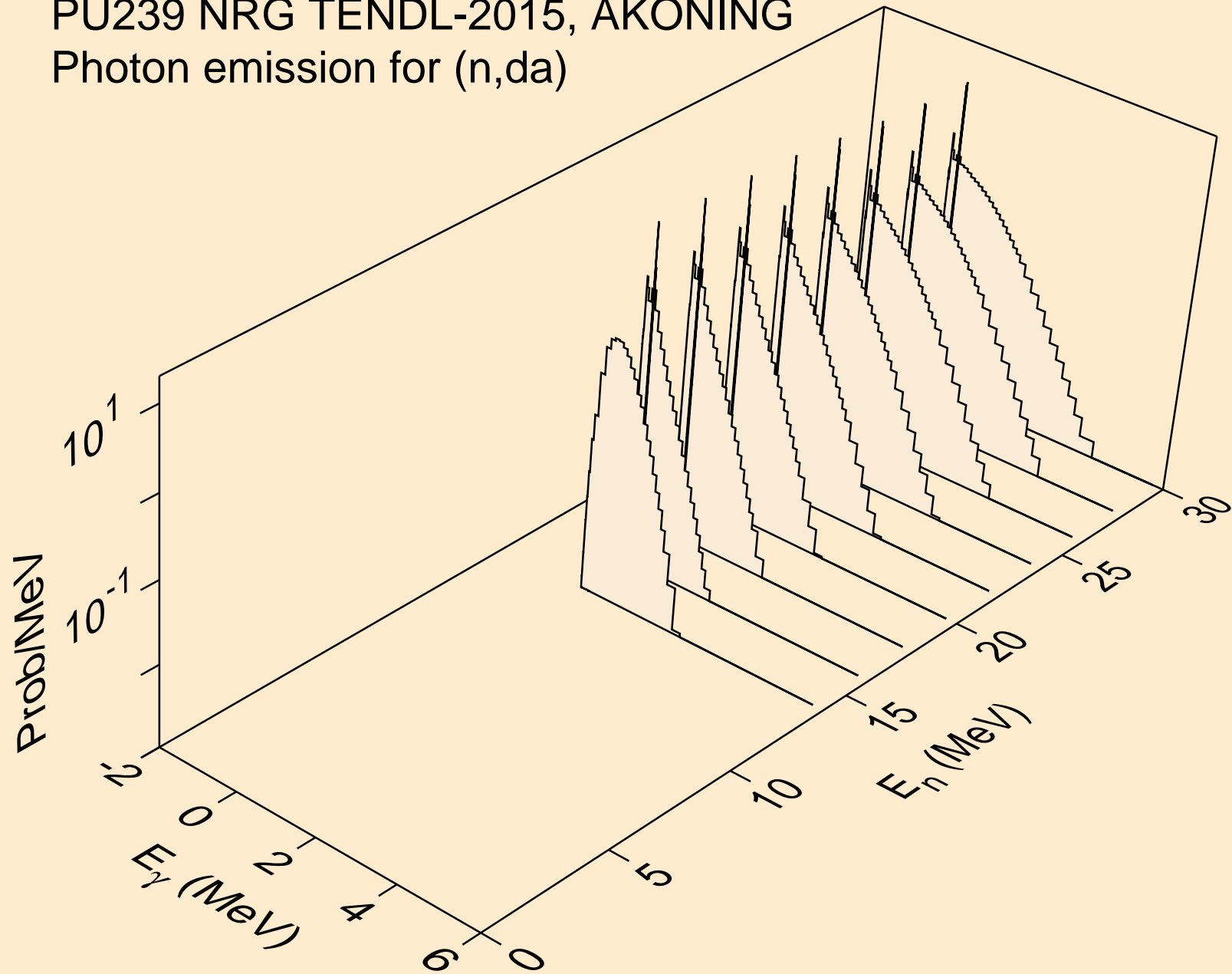
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



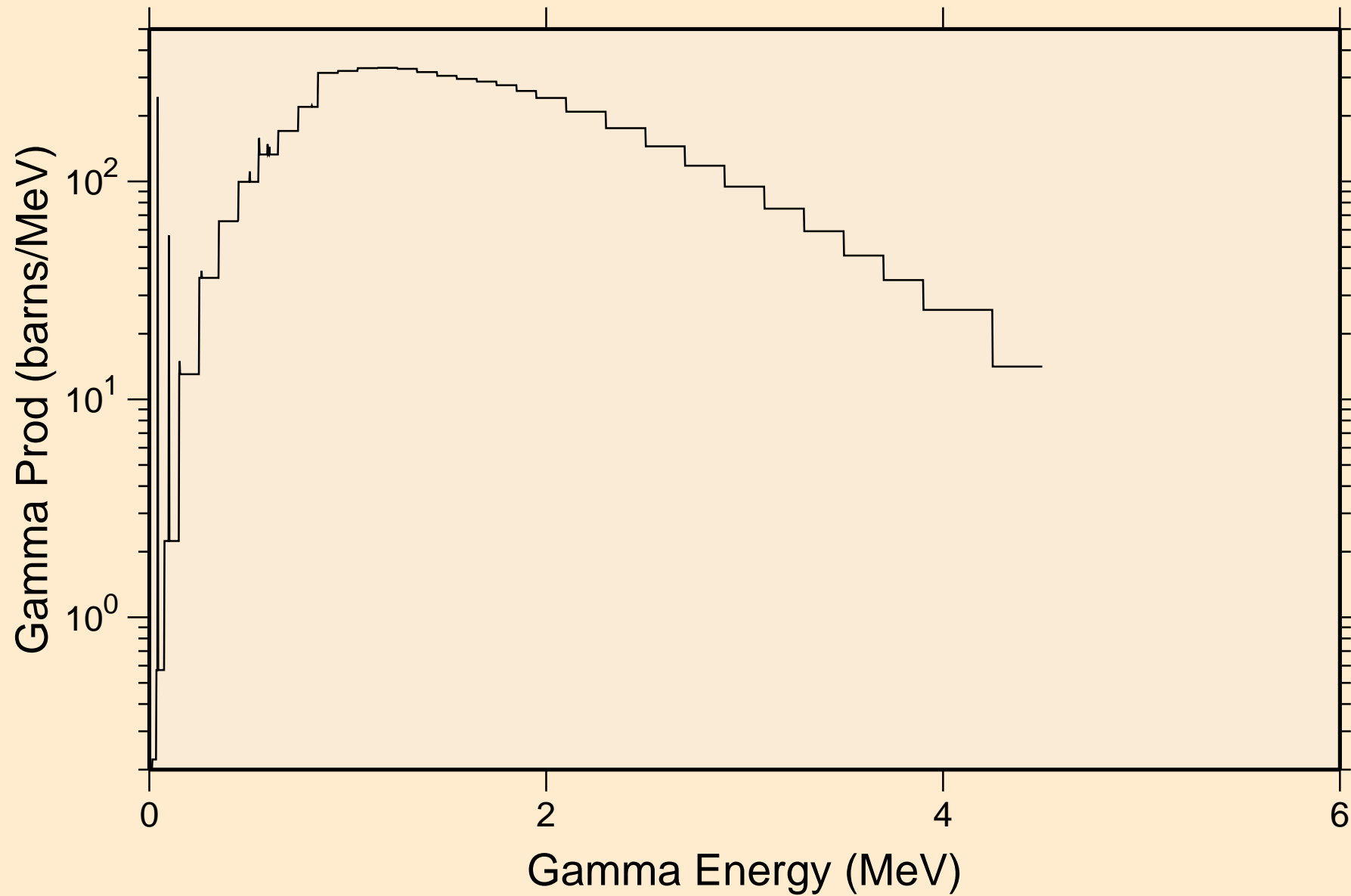
PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



PU239 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

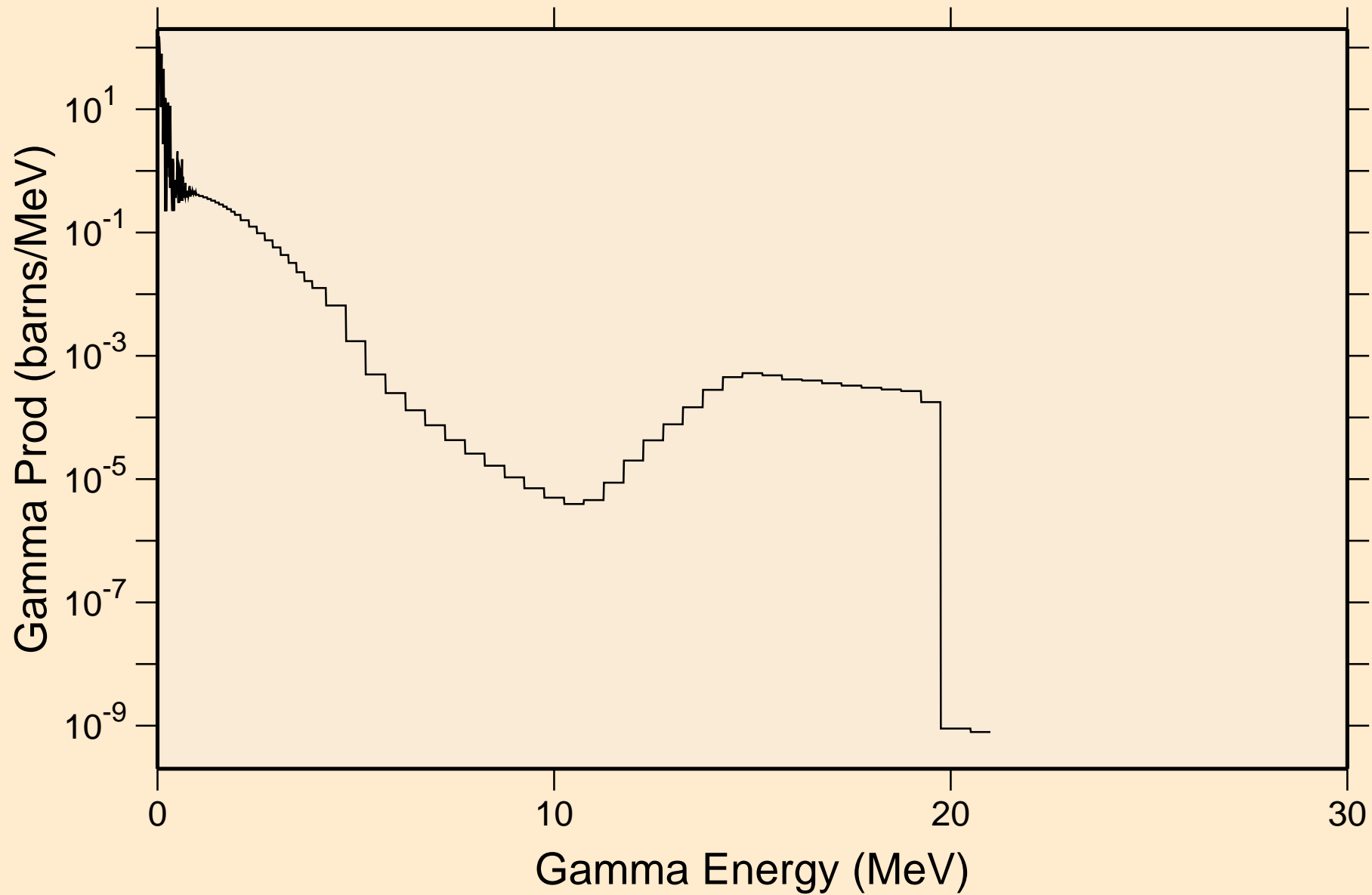


PU239 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



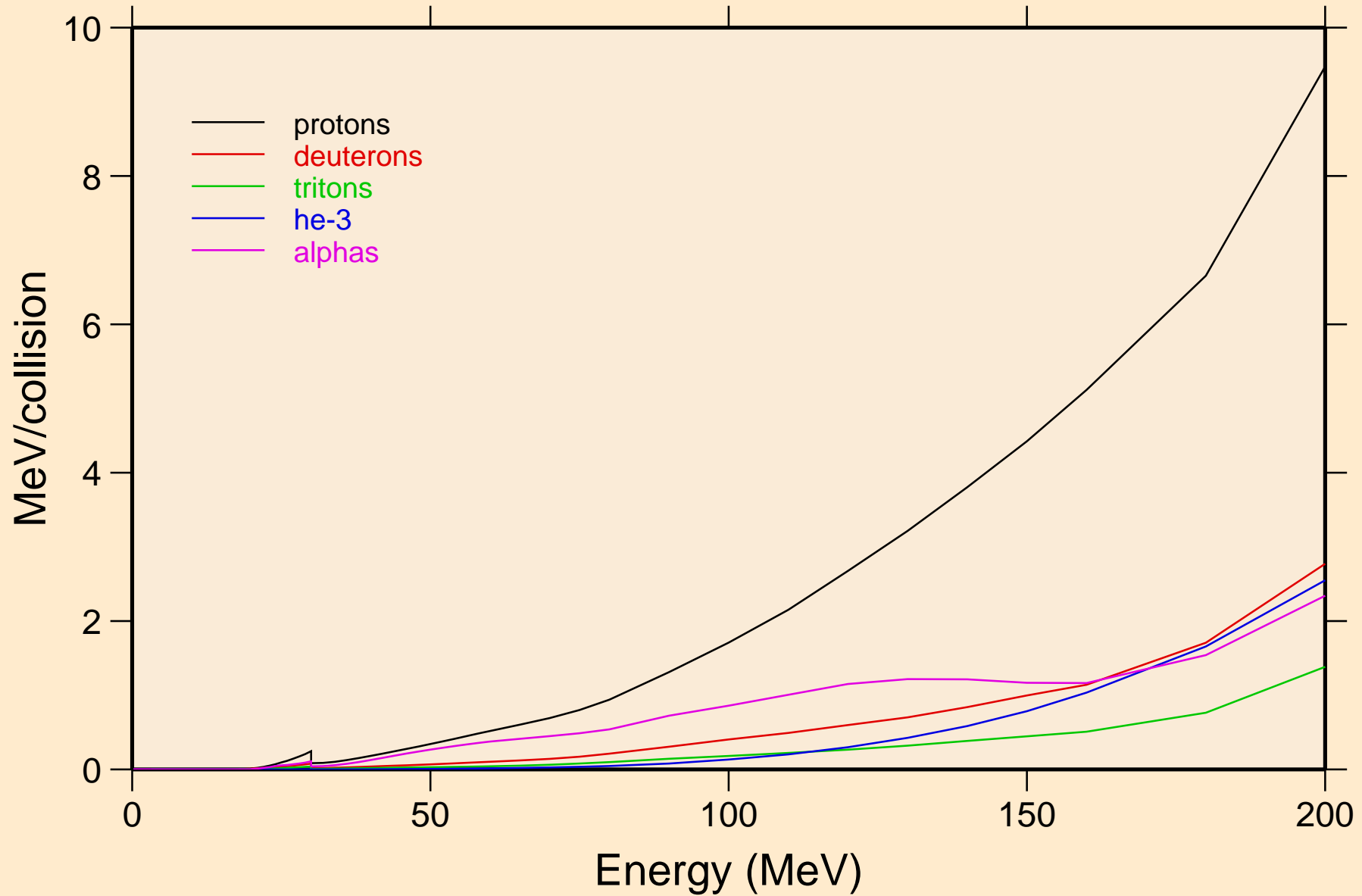


PU239 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



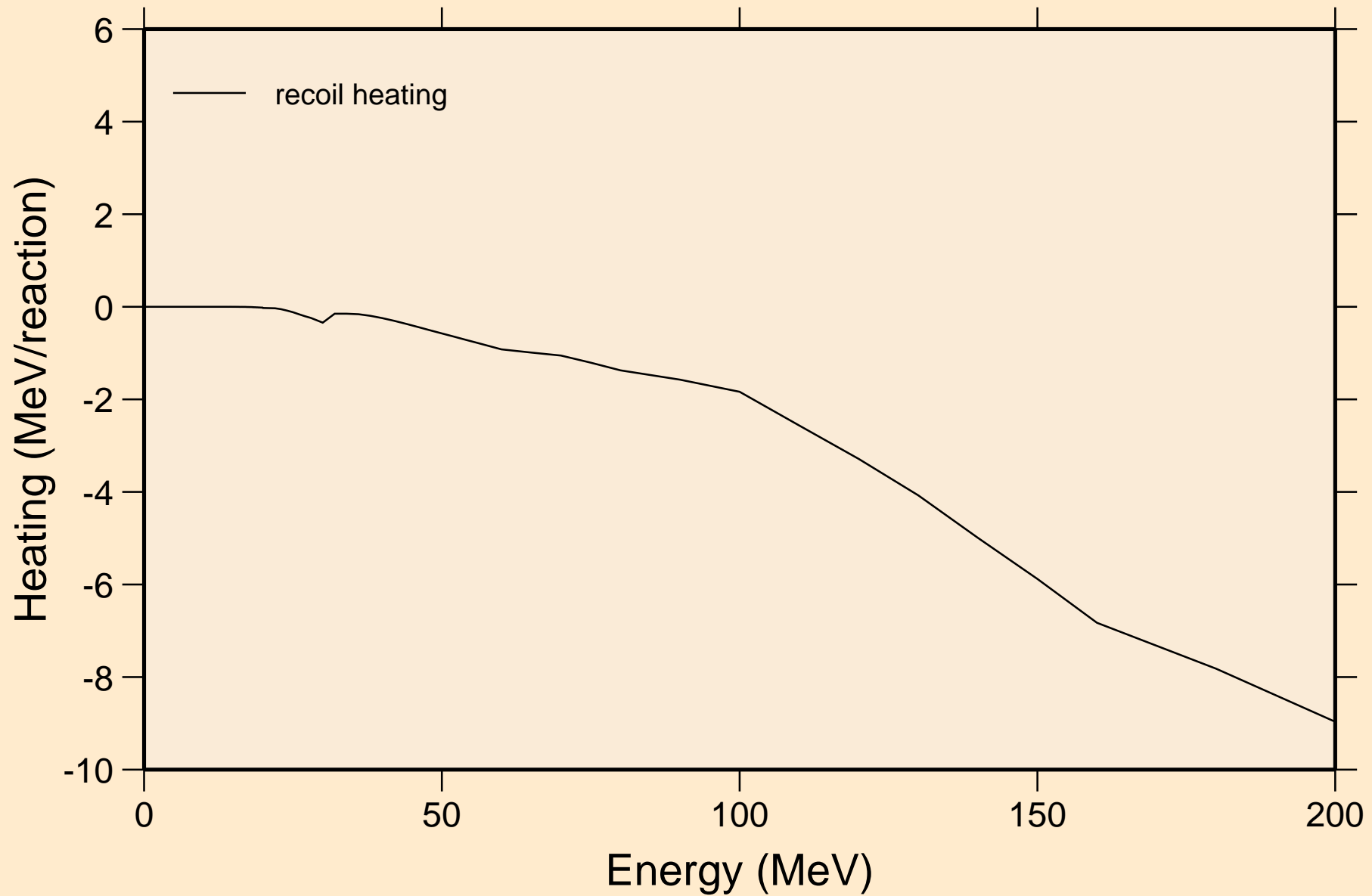
# PU239 NRG TENDL-2015, AKONING

## Particle heating contributions



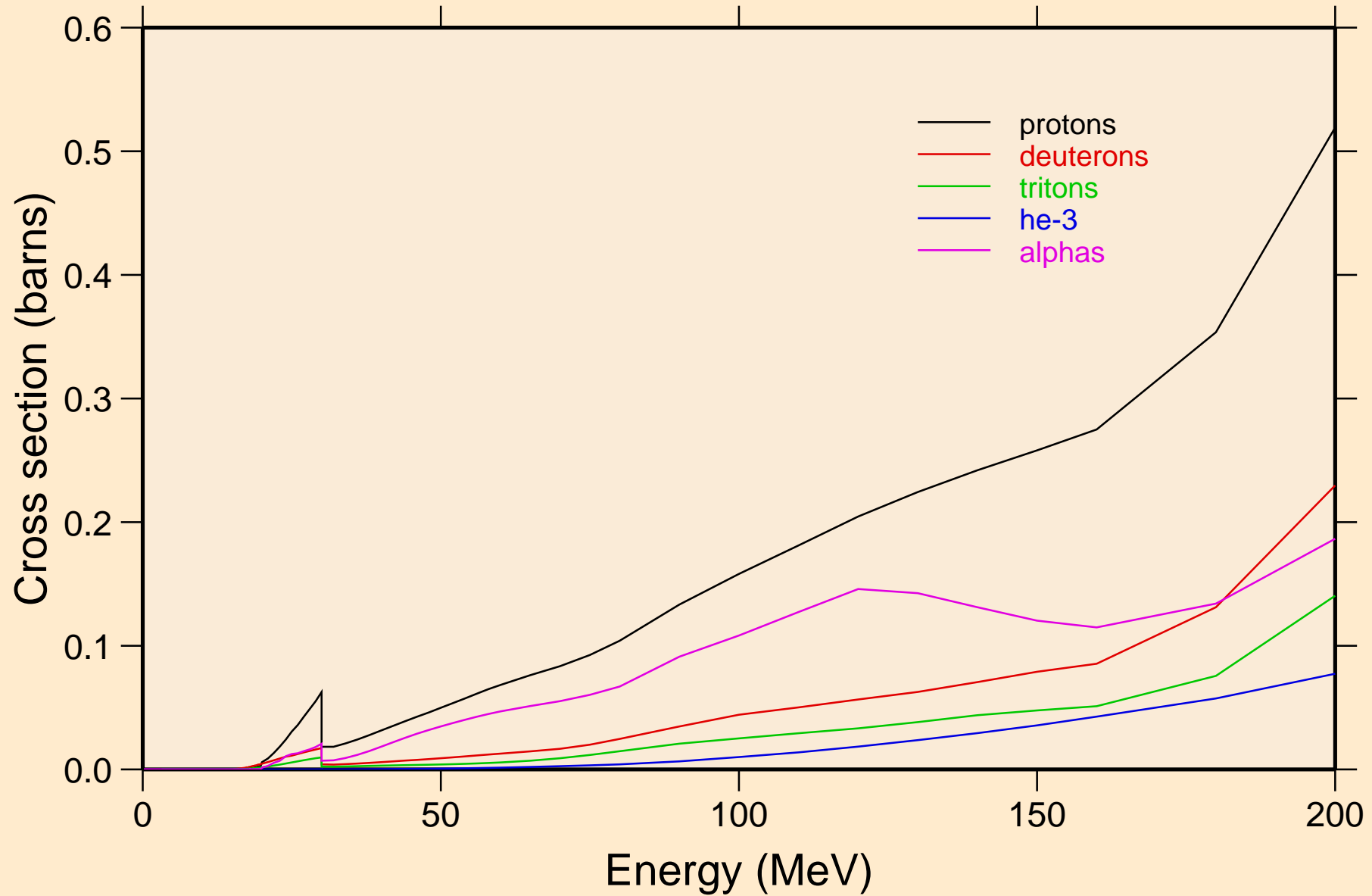
# PU239 NRG TENDL-2015, AKONING

## Recoil Heating

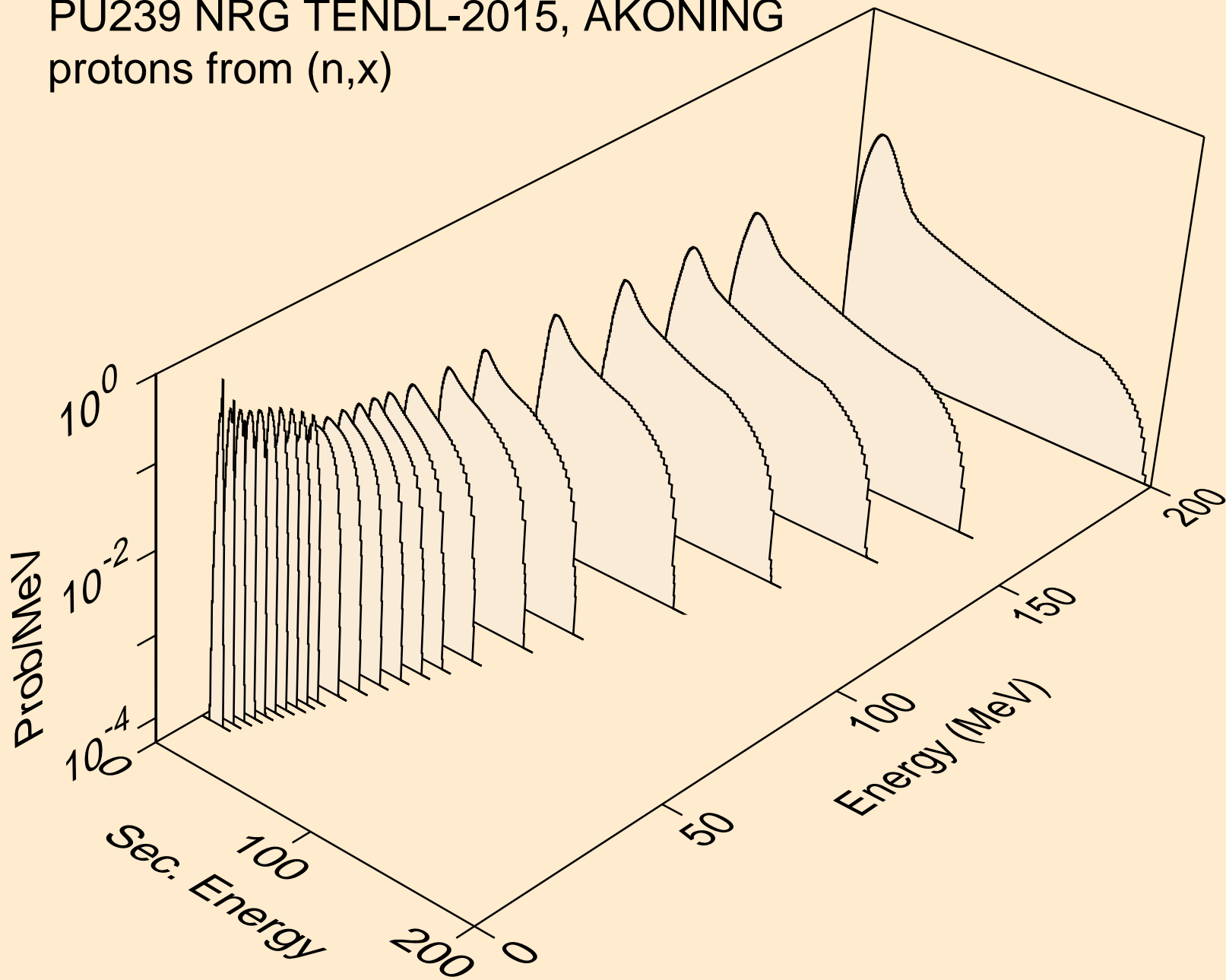


# PU239 NRG TENDL-2015, AKONING

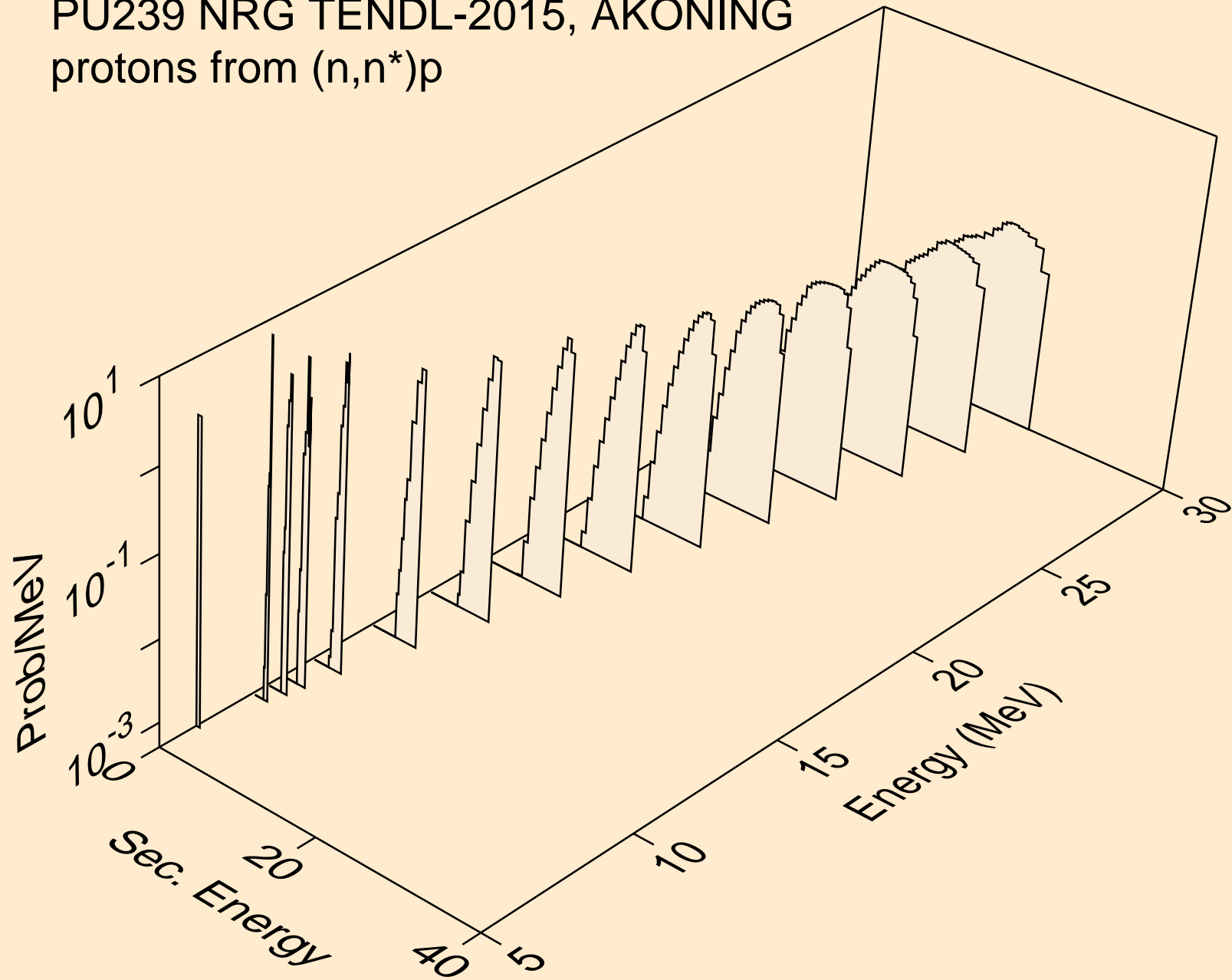
## Particle production cross sections



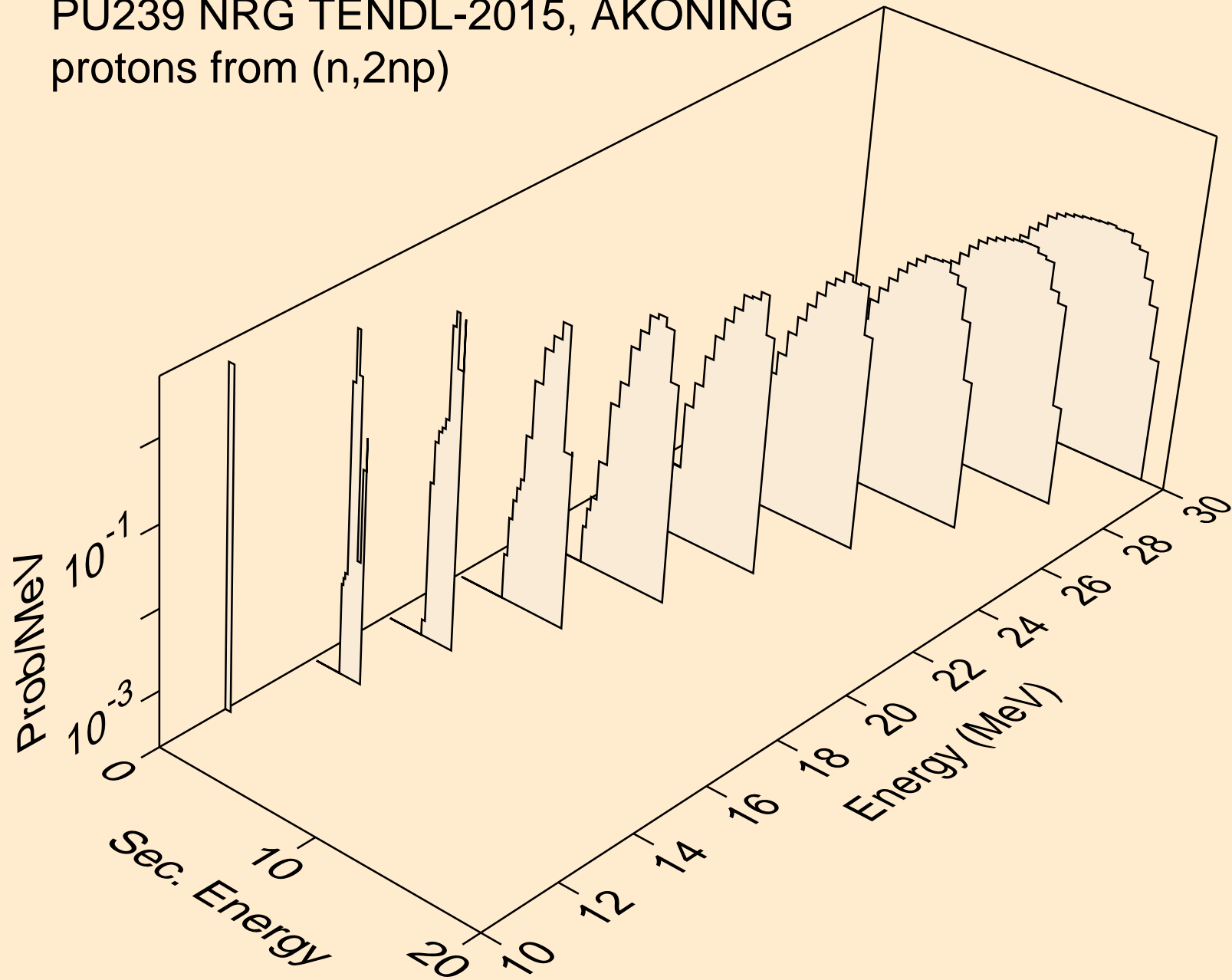
PU239 NRG TENDL-2015, AKONING  
protons from (n,x)



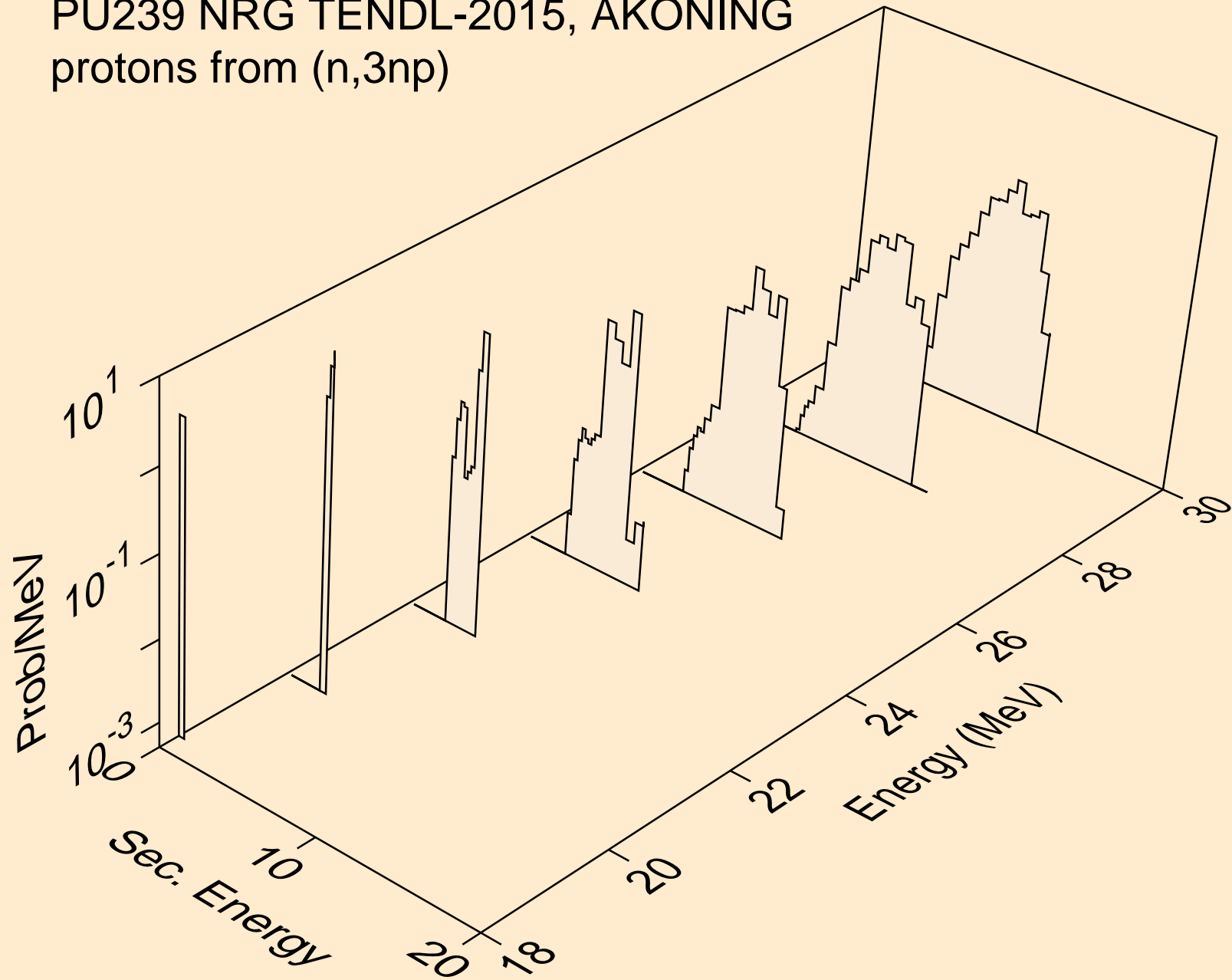
PU239 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



PU239 NRG TENDL-2015, AKONING  
protons from (n,2np)

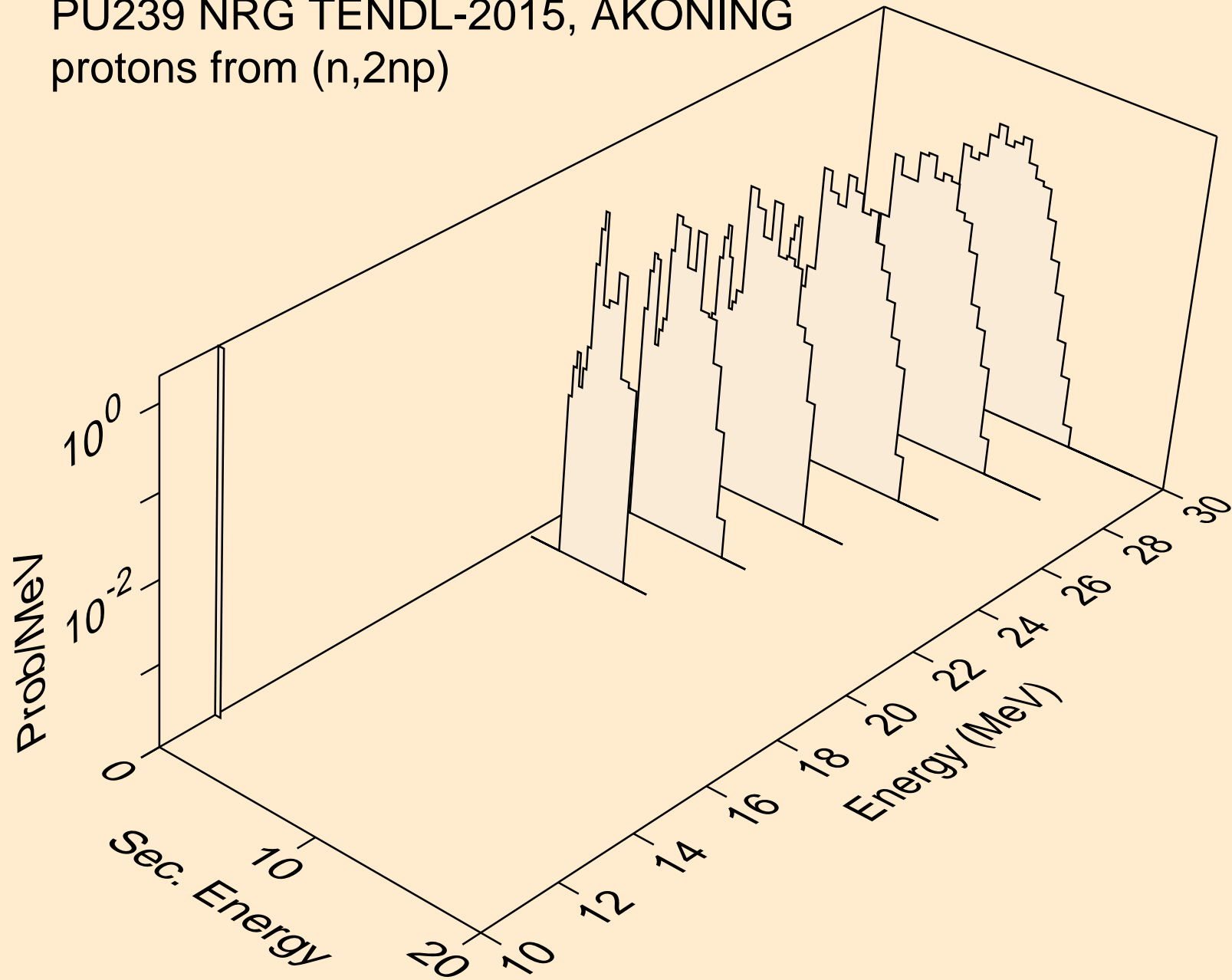


PU239 NRG TENDL-2015, AKONING  
protons from (n,3np)

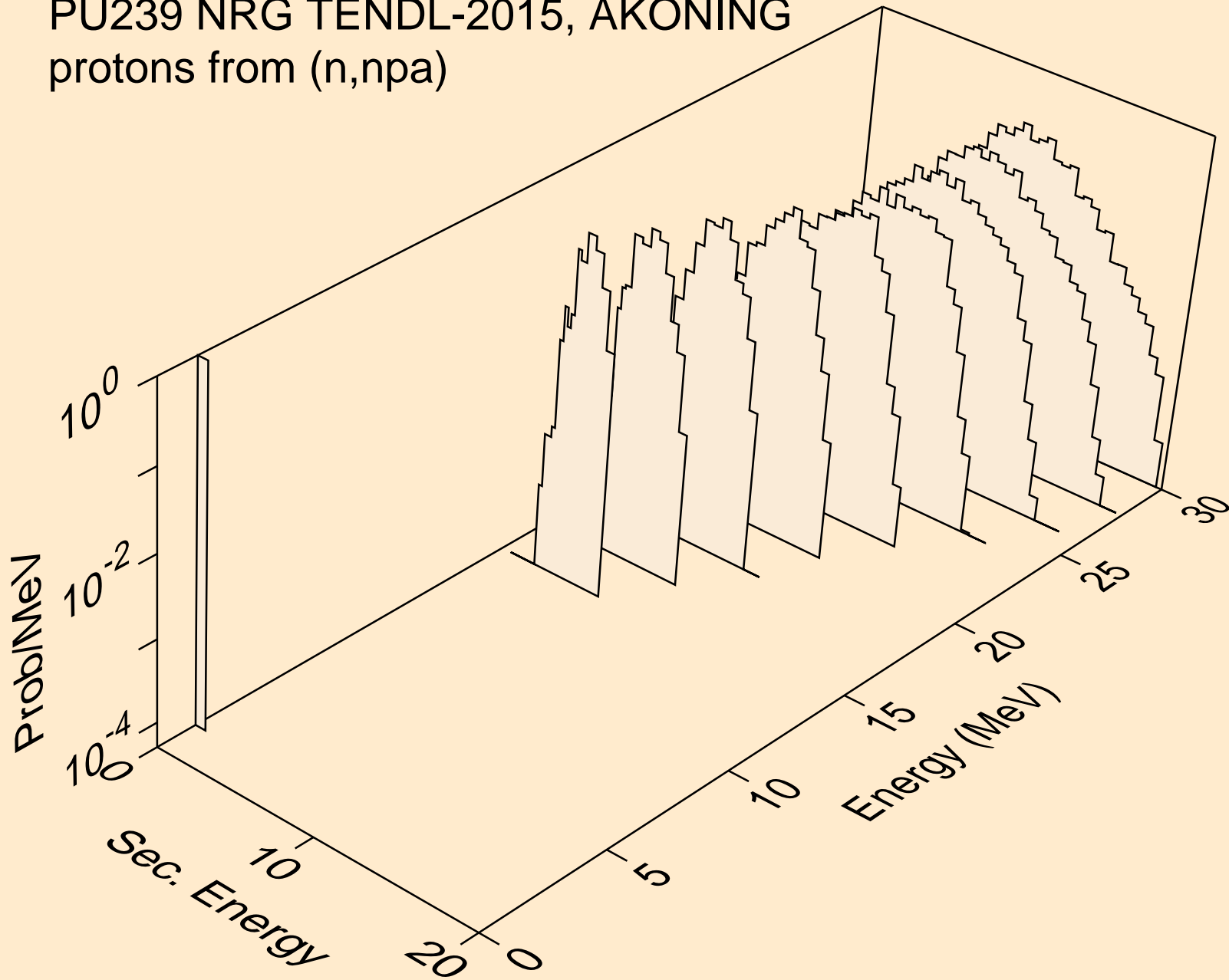




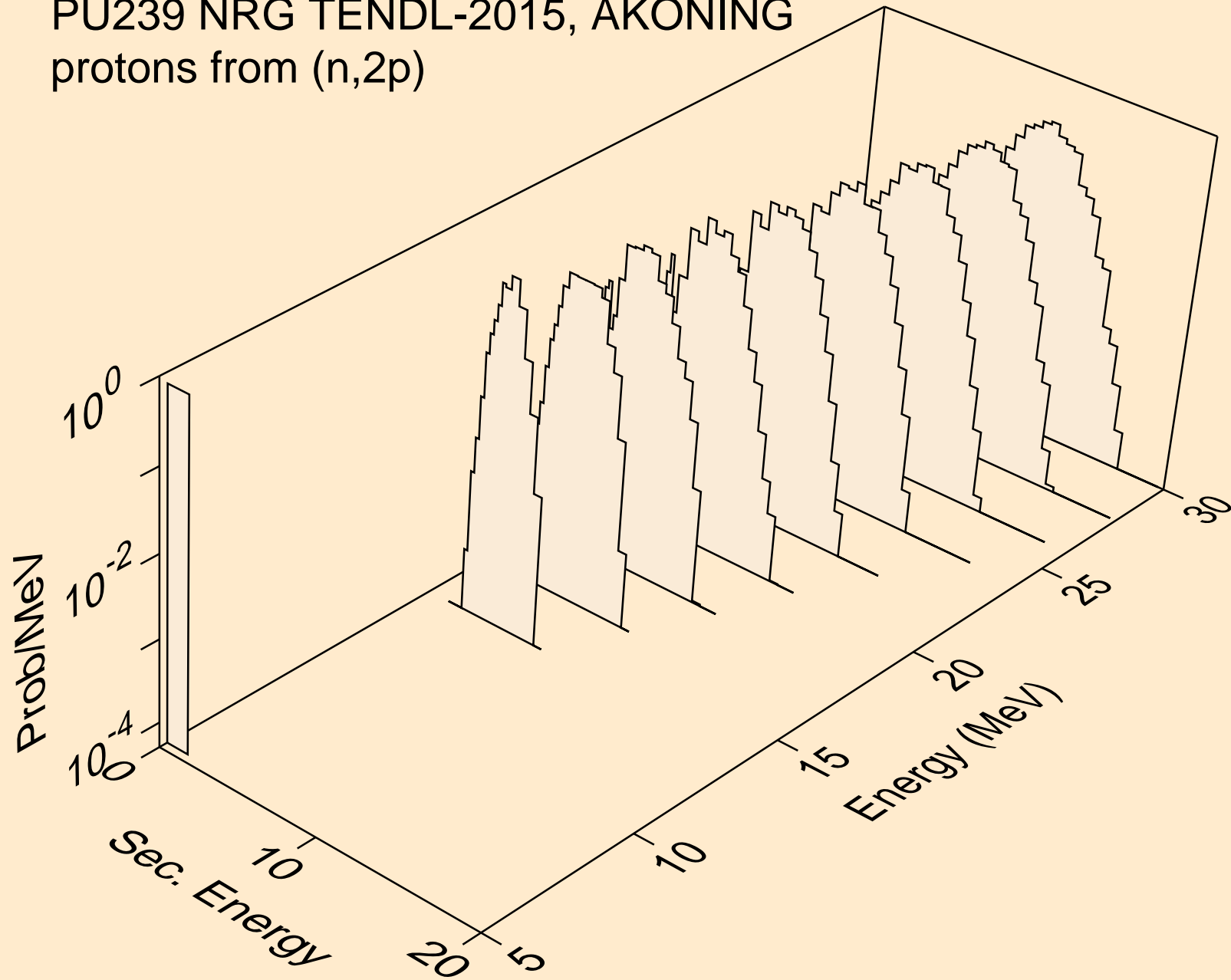
PU239 NRG TENDL-2015, AKONING  
protons from (n,2np)



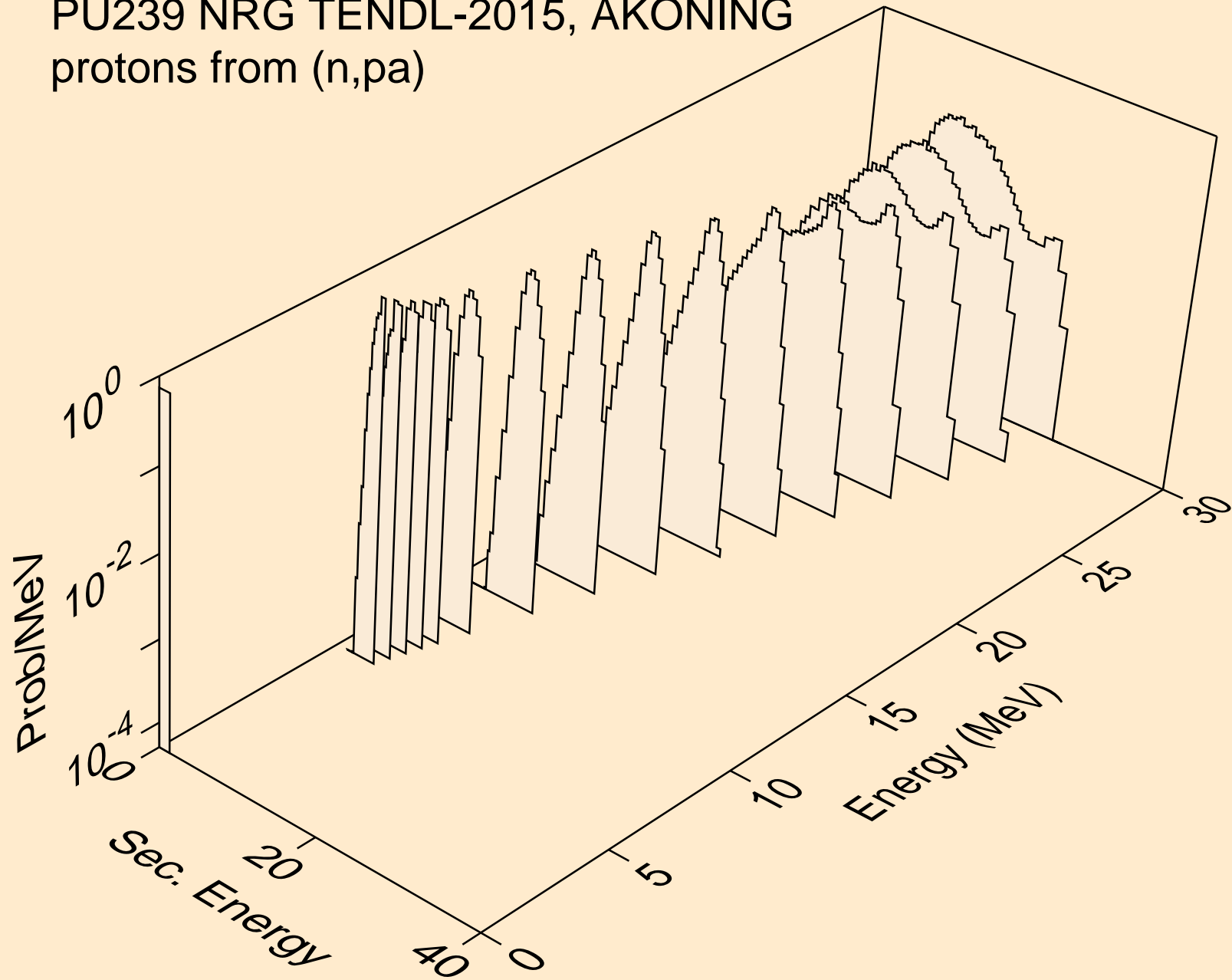
PU239 NRG TENDL-2015, AKONING  
protons from (n,npa)



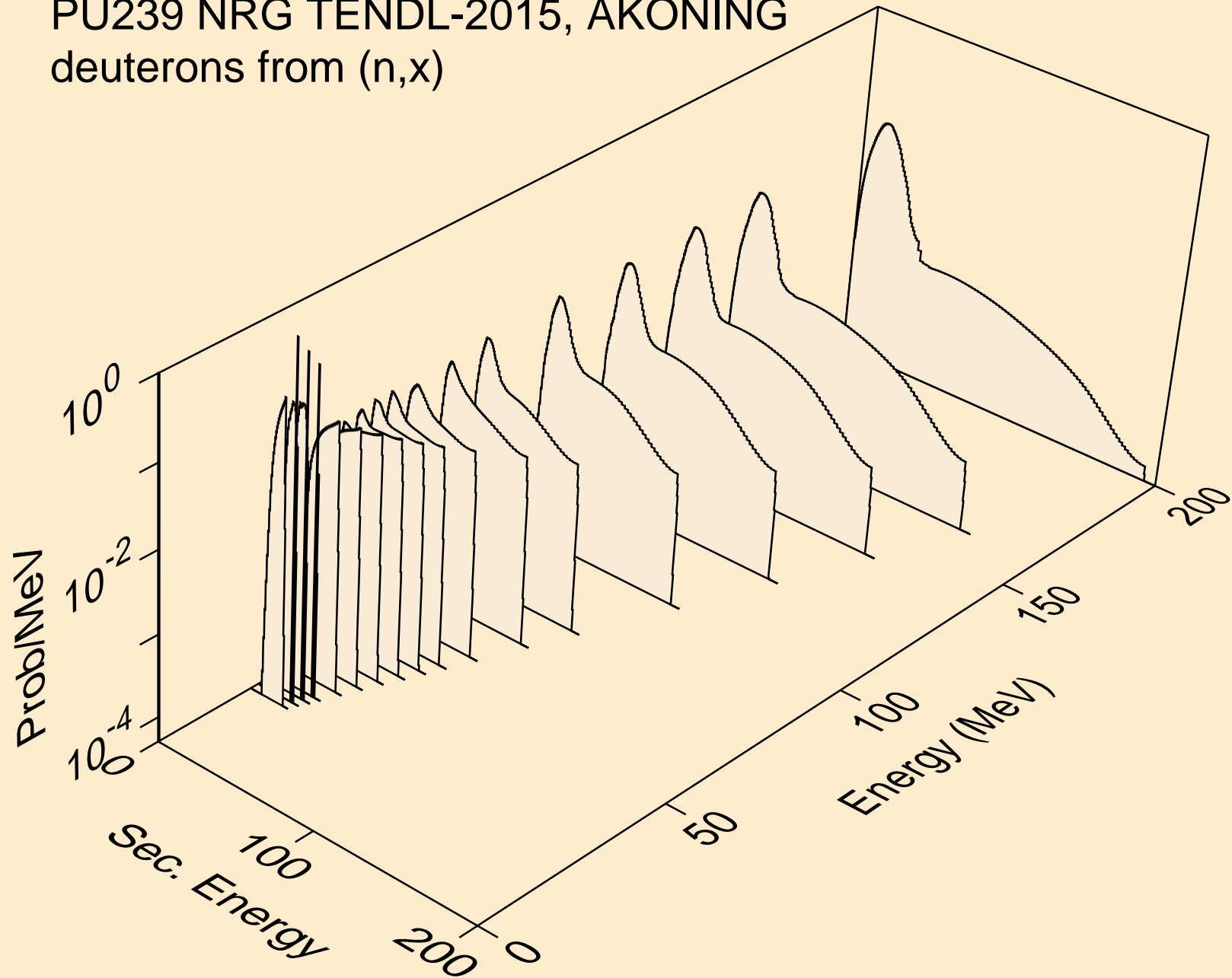
PU239 NRG TENDL-2015, AKONING  
protons from (n,2p)



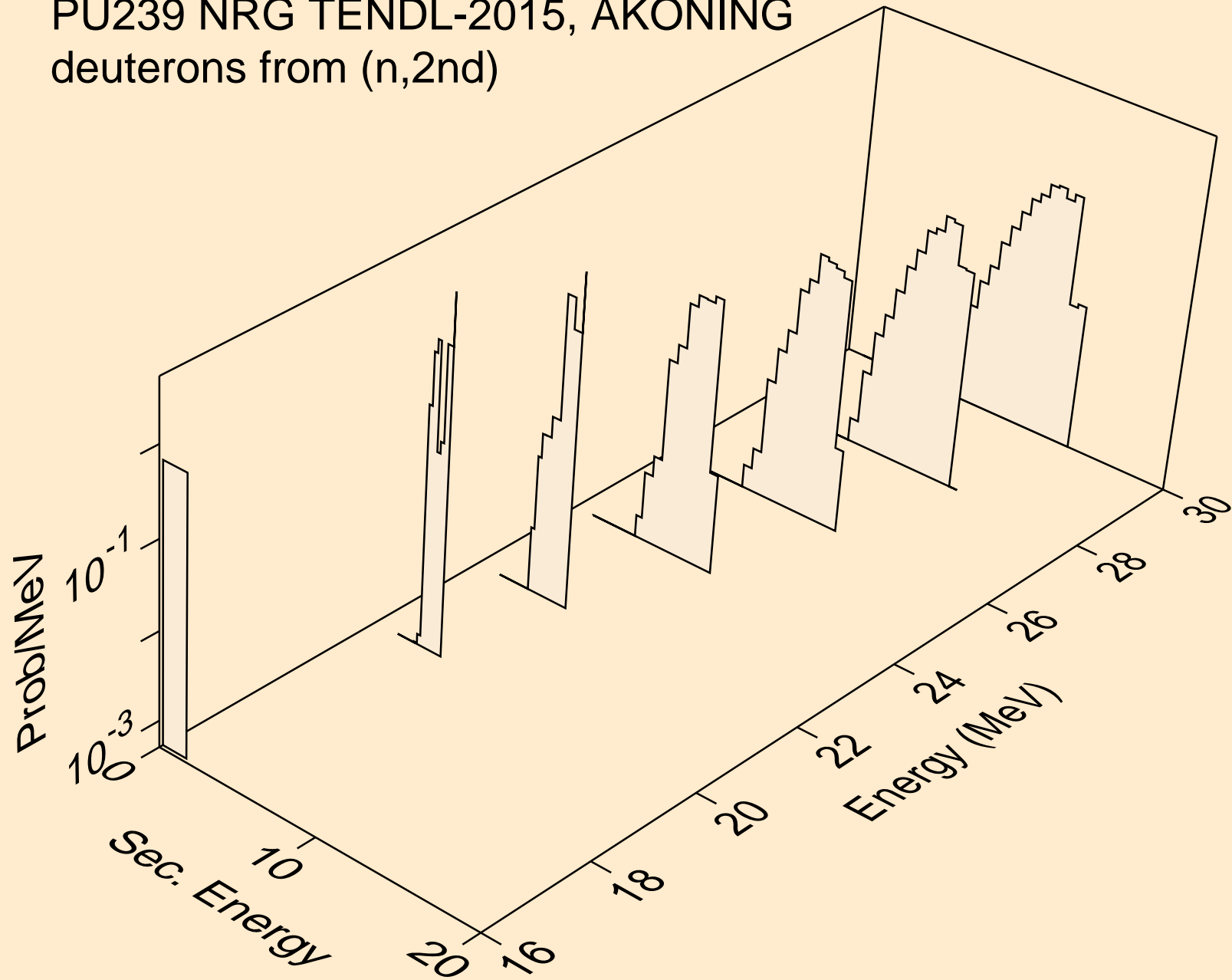
PU239 NRG TENDL-2015, AKONING  
protons from (n,pa)



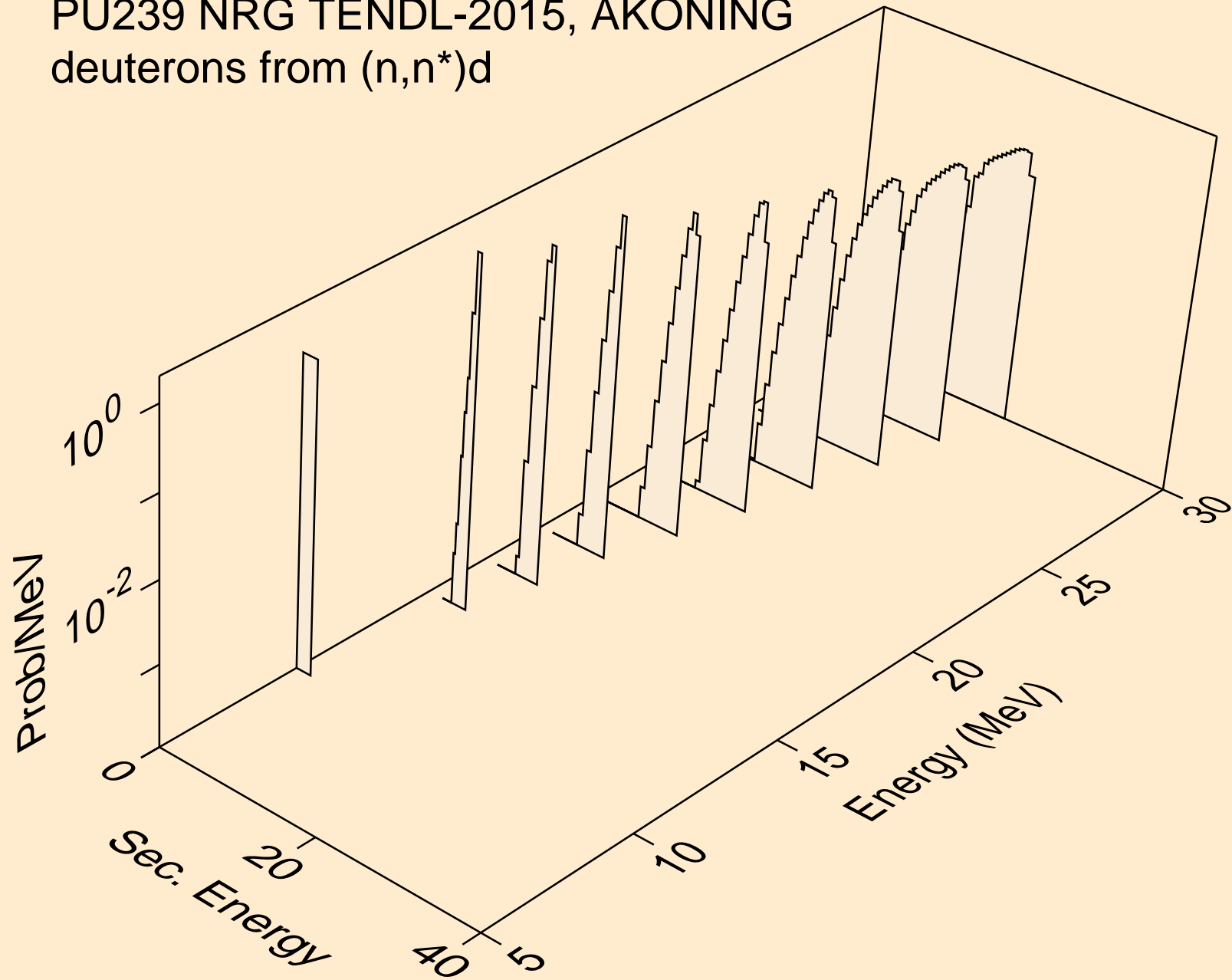
PU239 NRG TENDL-2015, AKONING  
deuterons from (n,x)



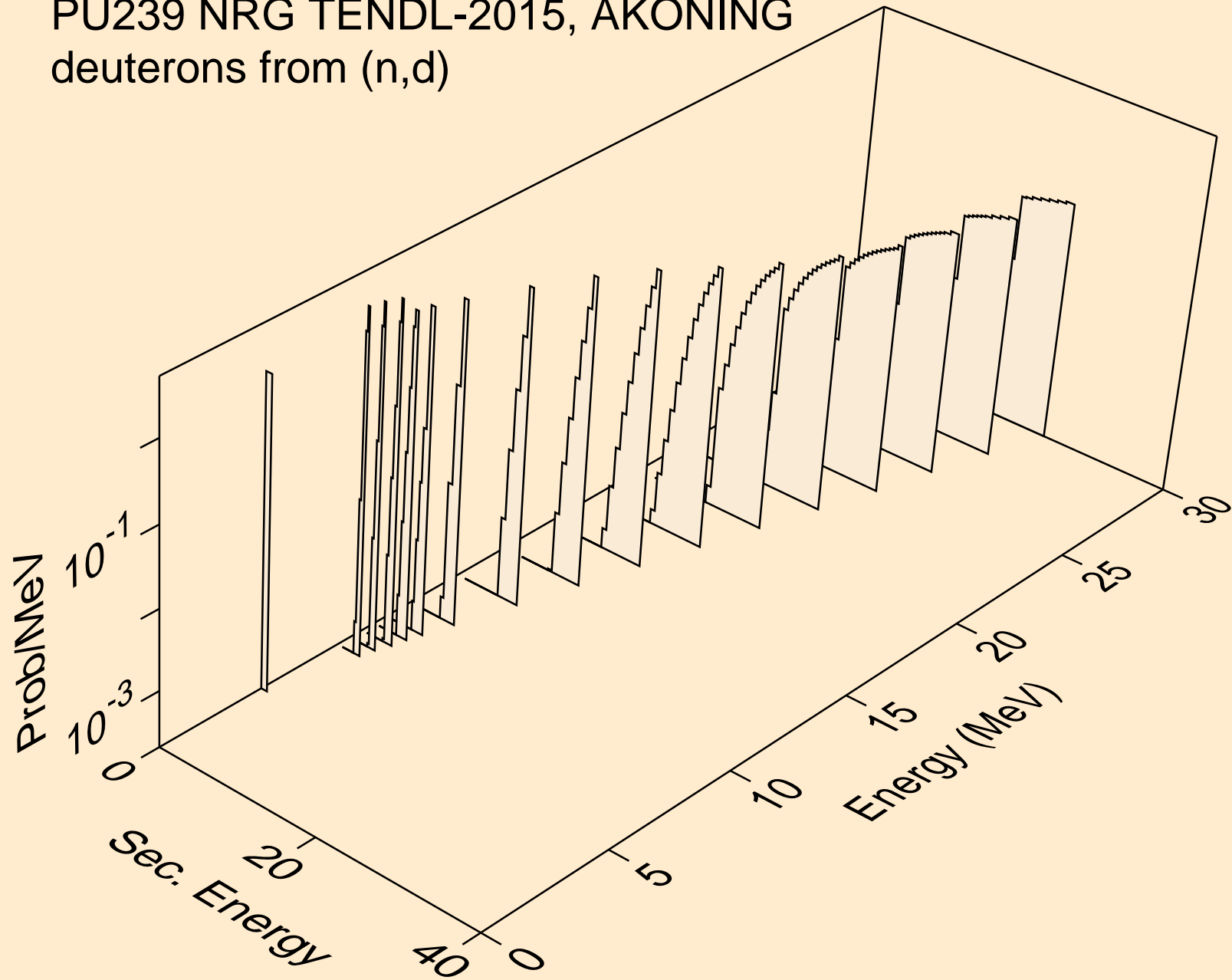
PU239 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



PU239 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

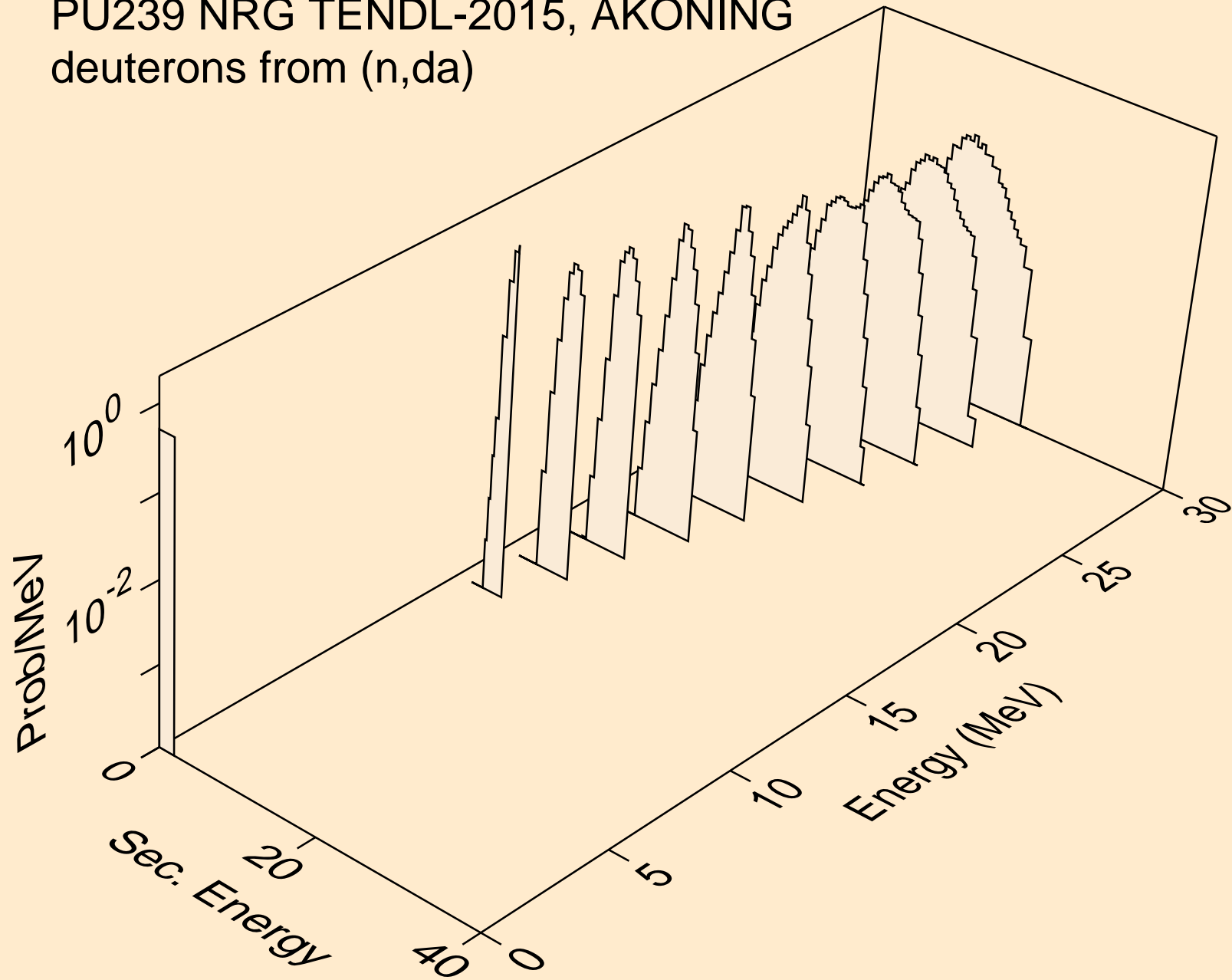


PU239 NRG TENDL-2015, AKONING  
deuterons from (n,d)

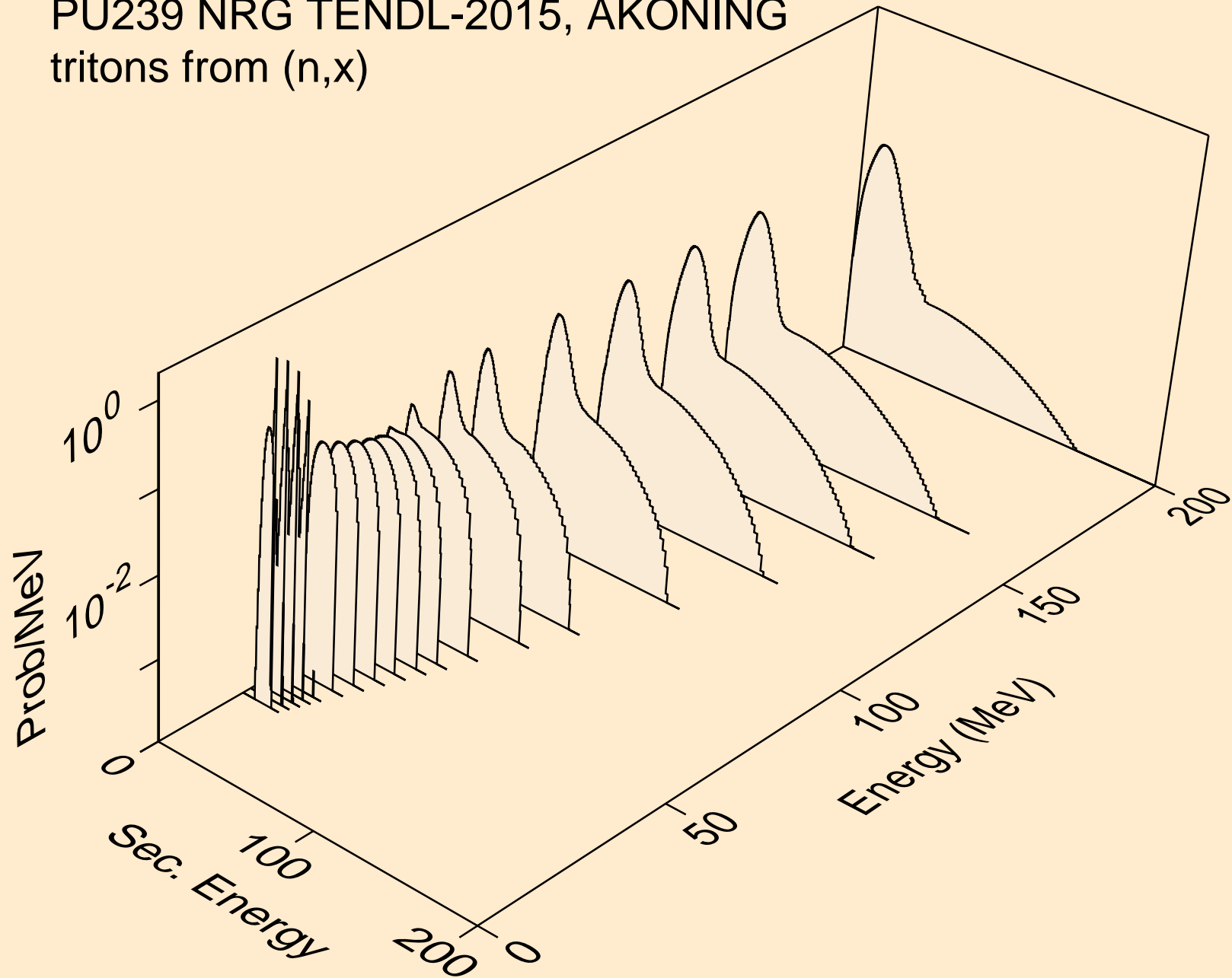




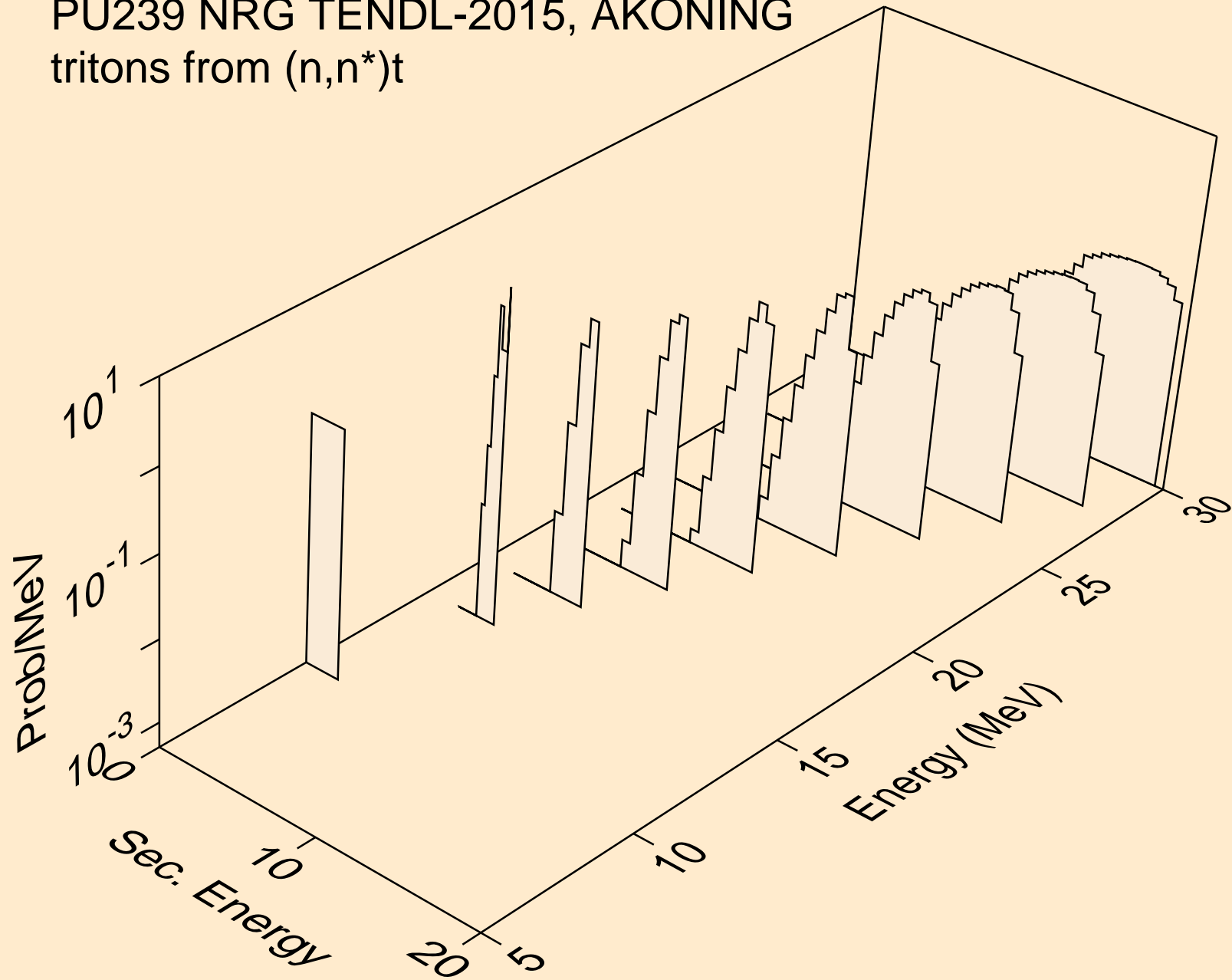
PU239 NRG TENDL-2015, AKONING  
deuterons from (n,da)



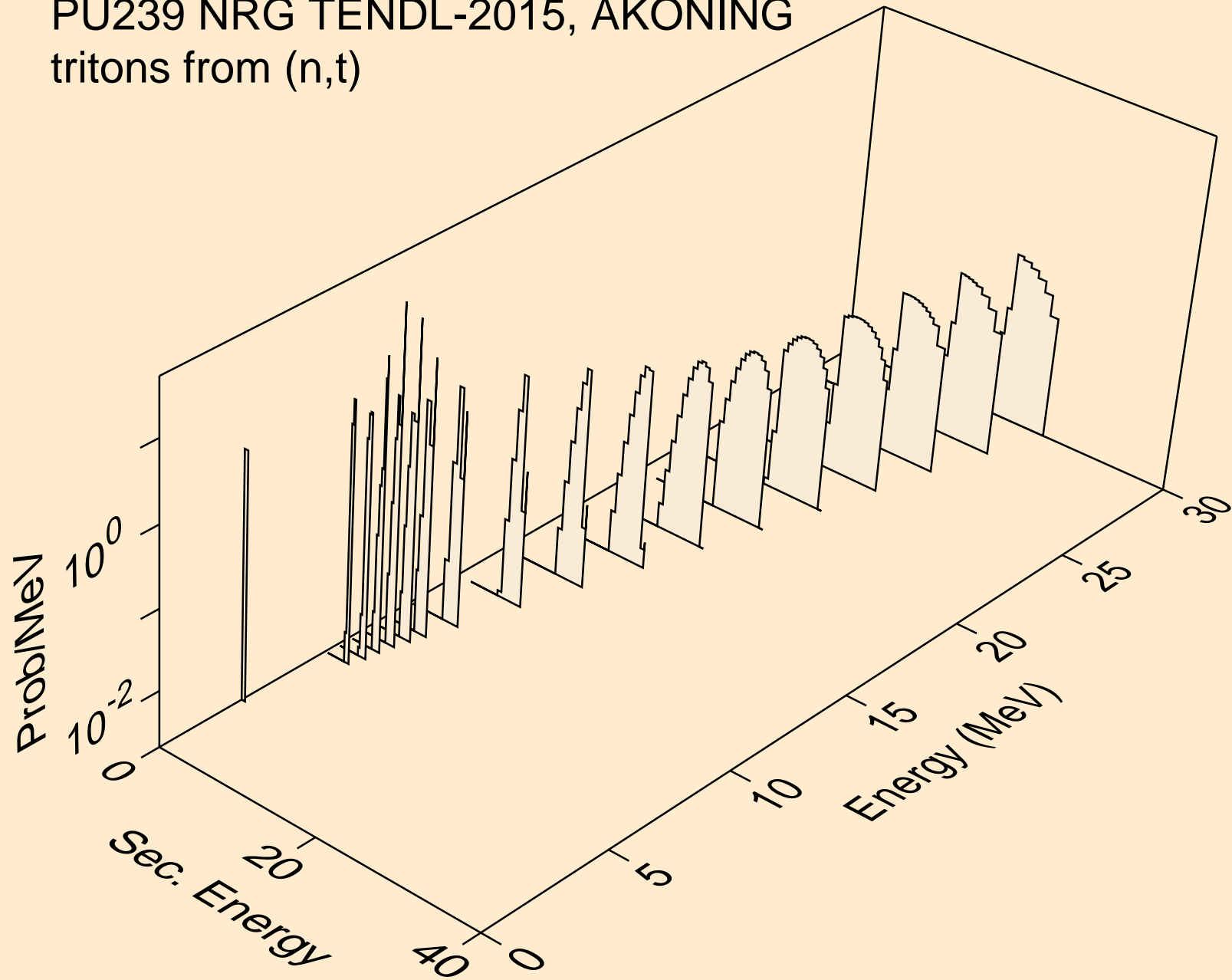
PU239 NRG TENDL-2015, AKONING  
tritons from (n,x)



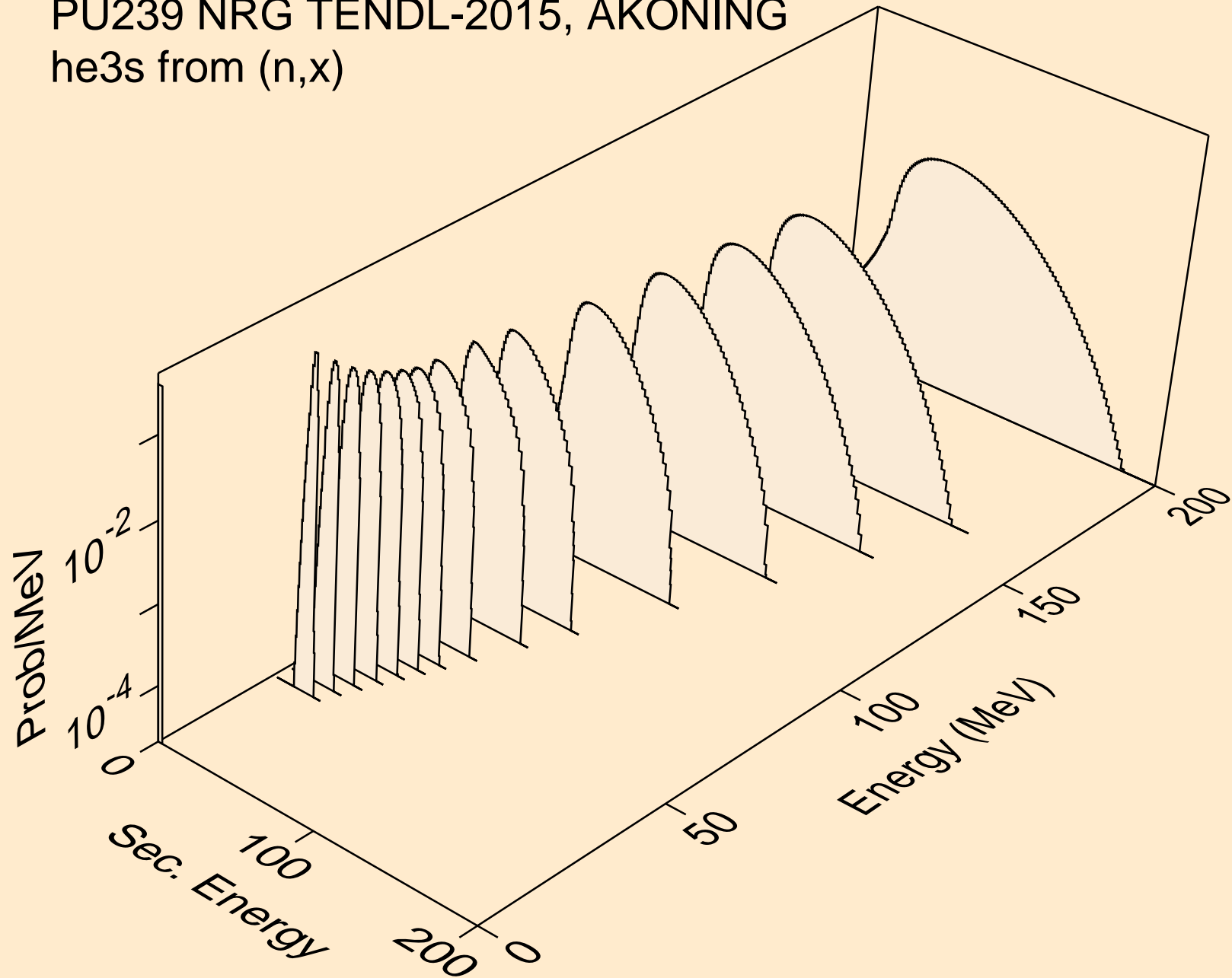
PU239 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



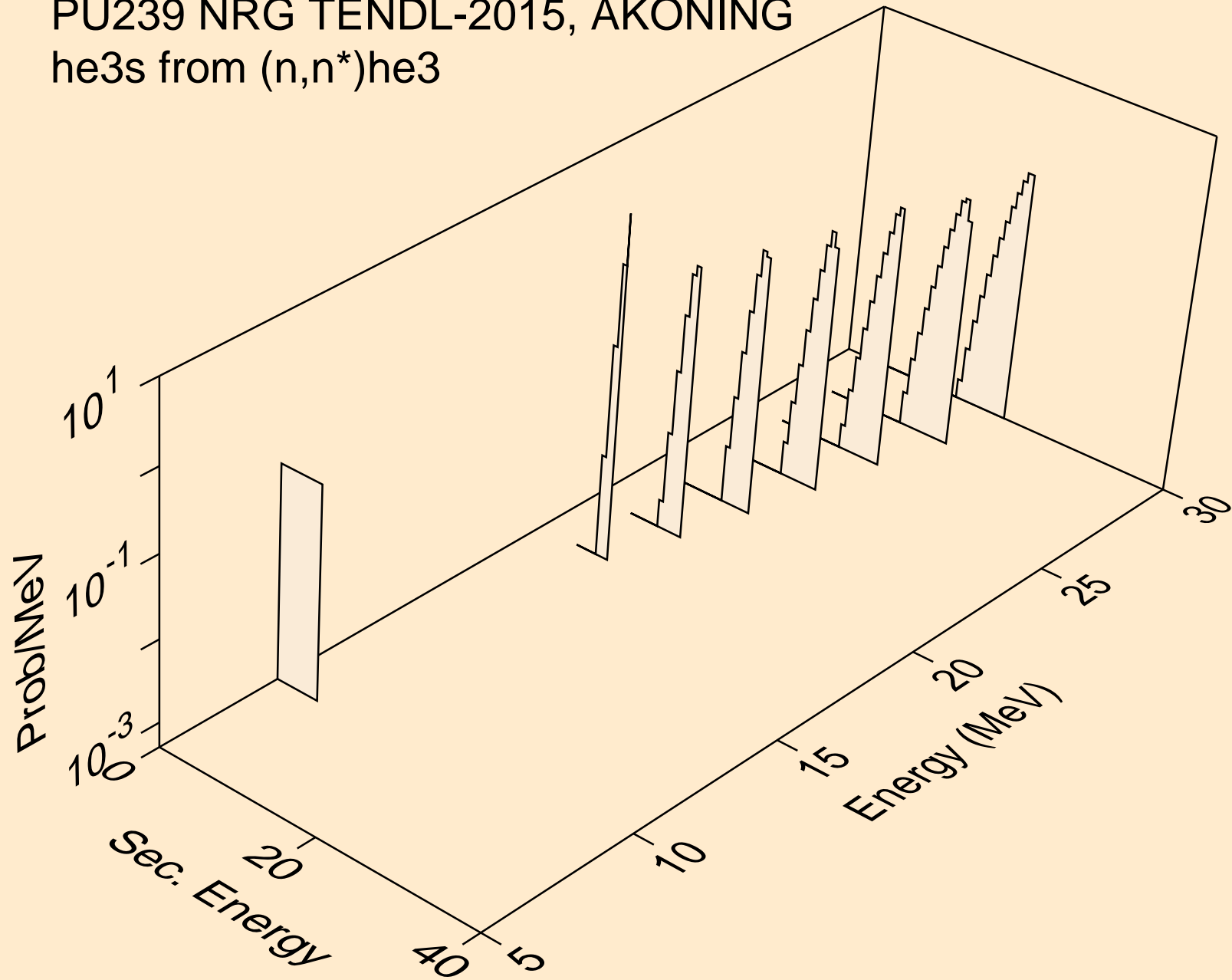
PU239 NRG TENDL-2015, AKONING  
tritons from (n,t)



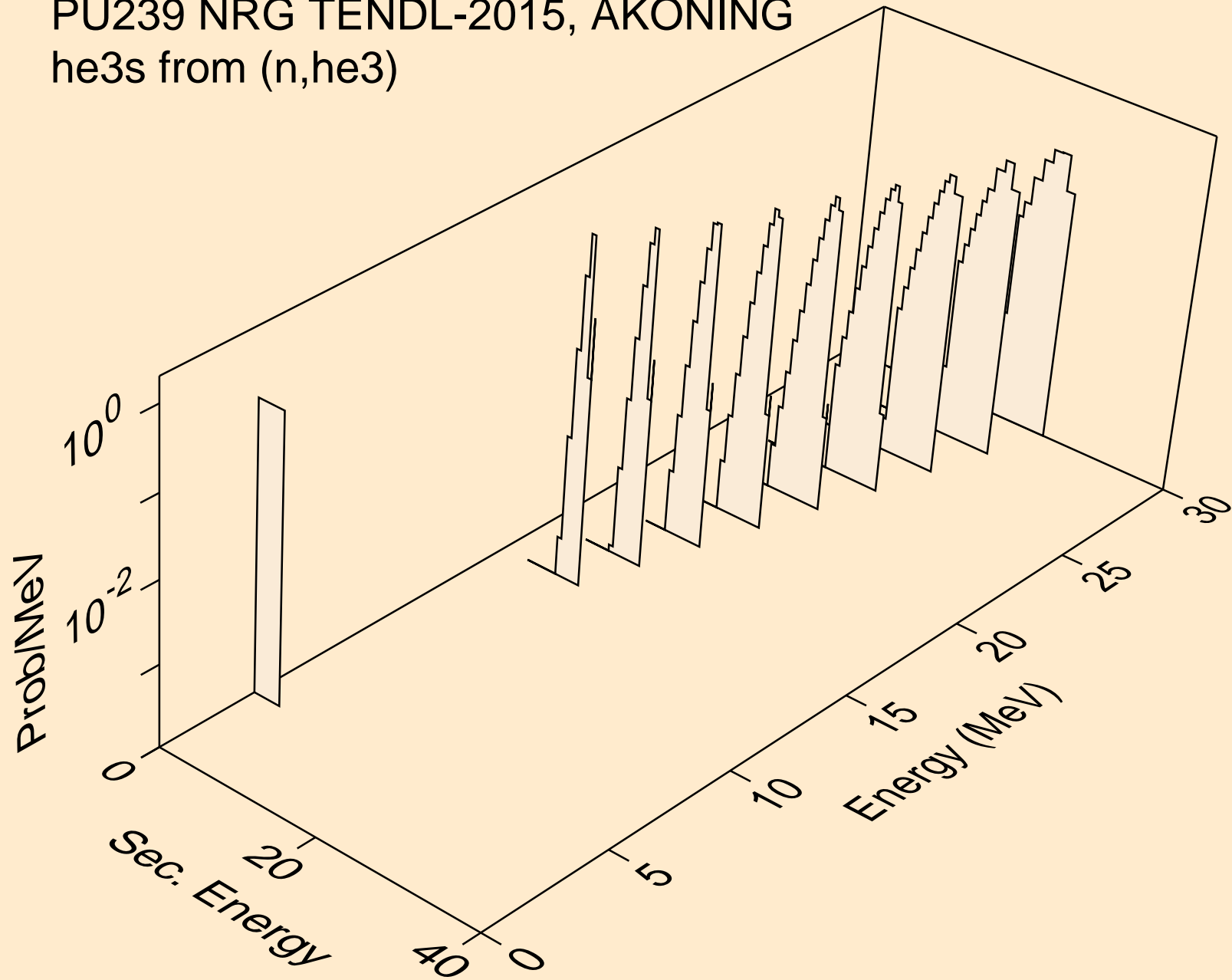
PU239 NRG TENDL-2015, AKONING  
he3s from (n,x)



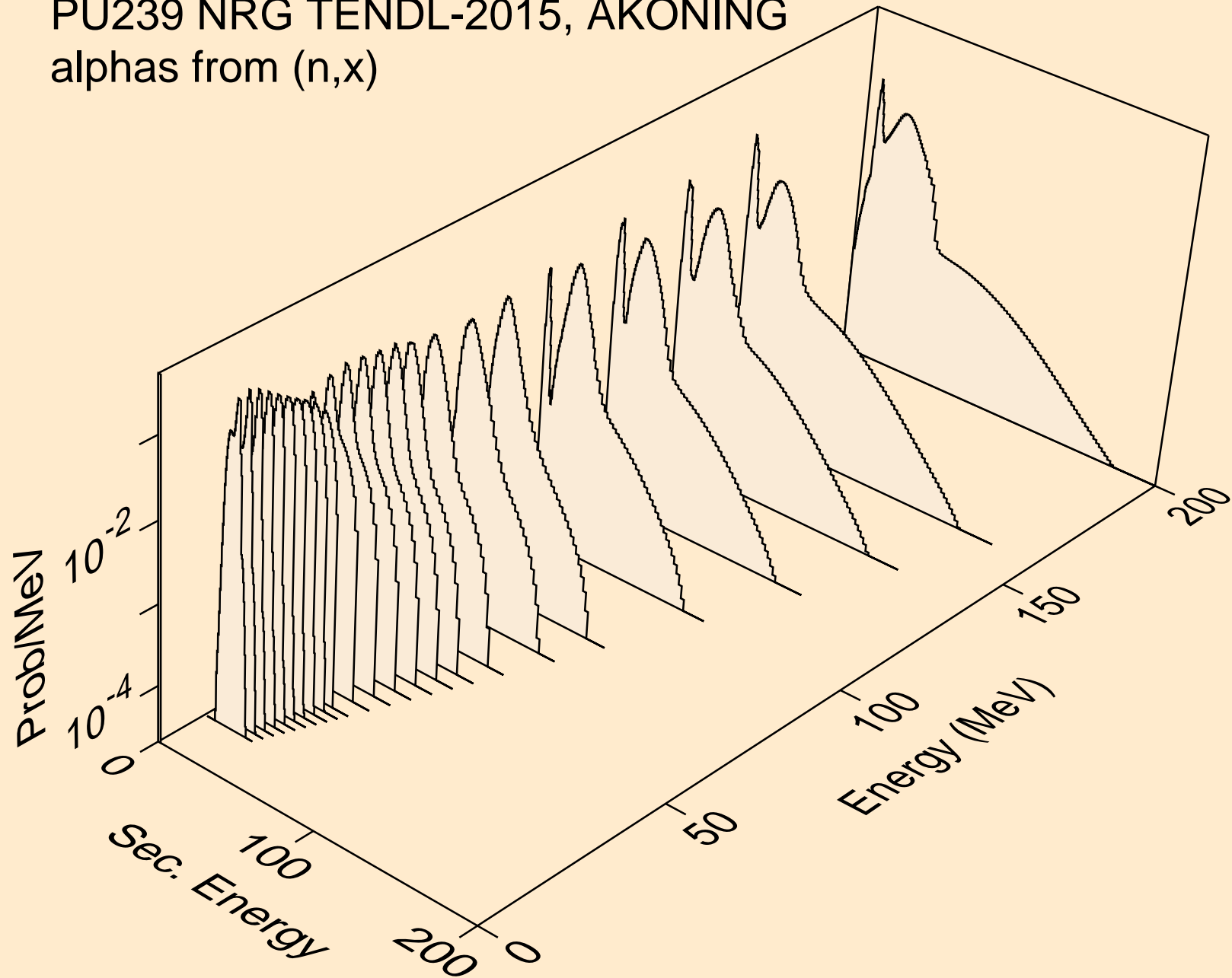
PU239 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



PU239 NRG TENDL-2015, AKONING  
he3s from (n,he3)

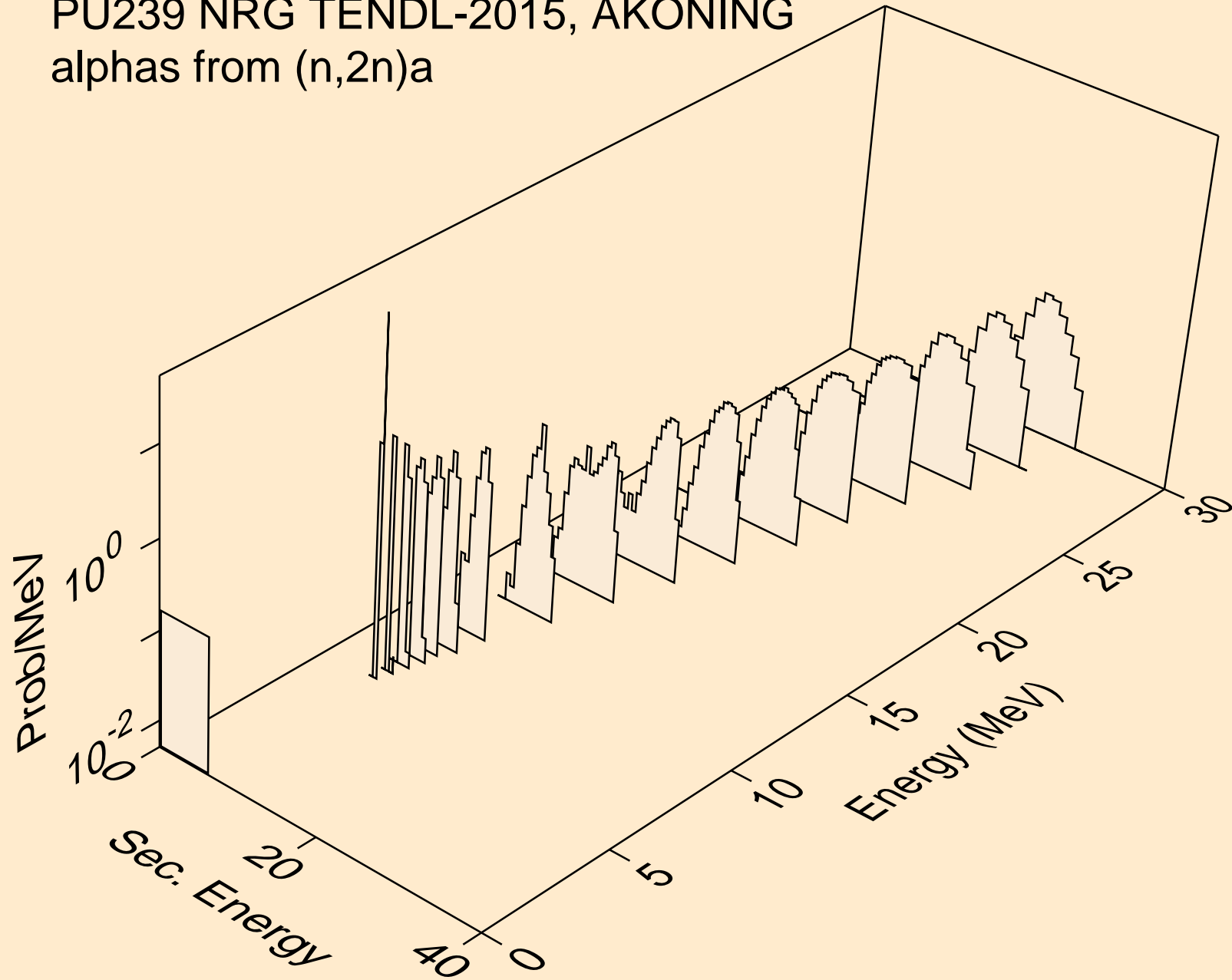


PU239 NRG TENDL-2015, AKONING  
alphas from (n,x)

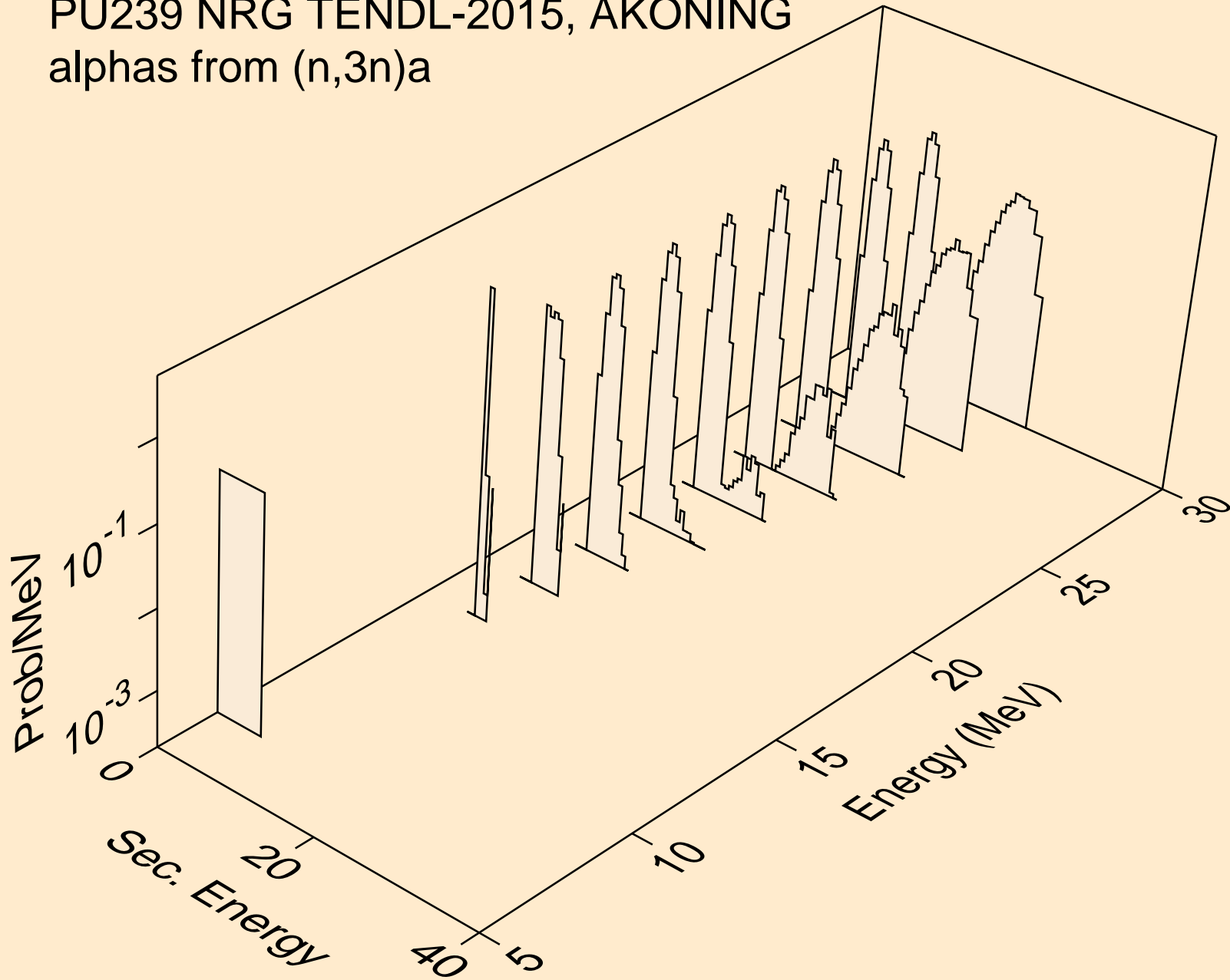




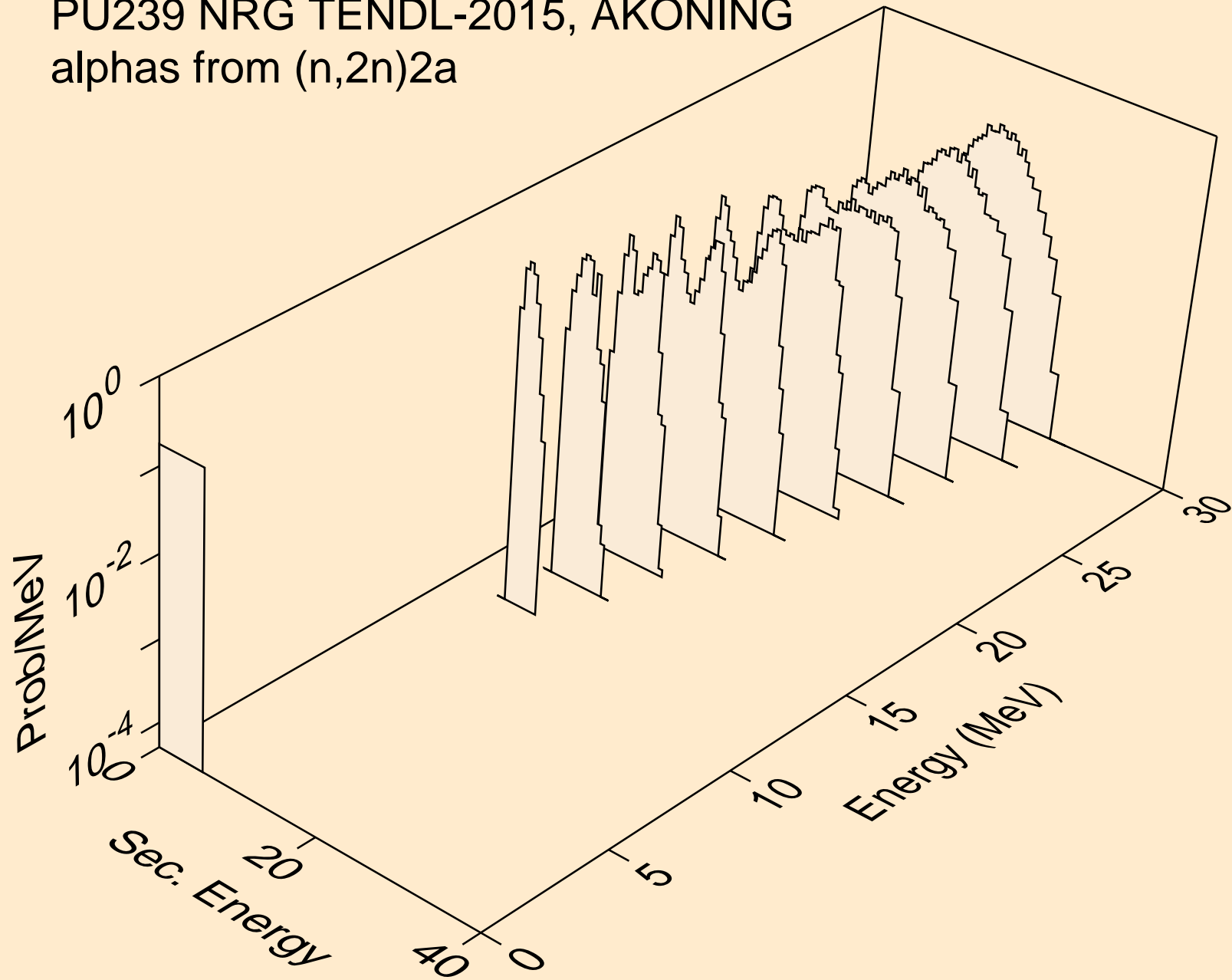
PU239 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



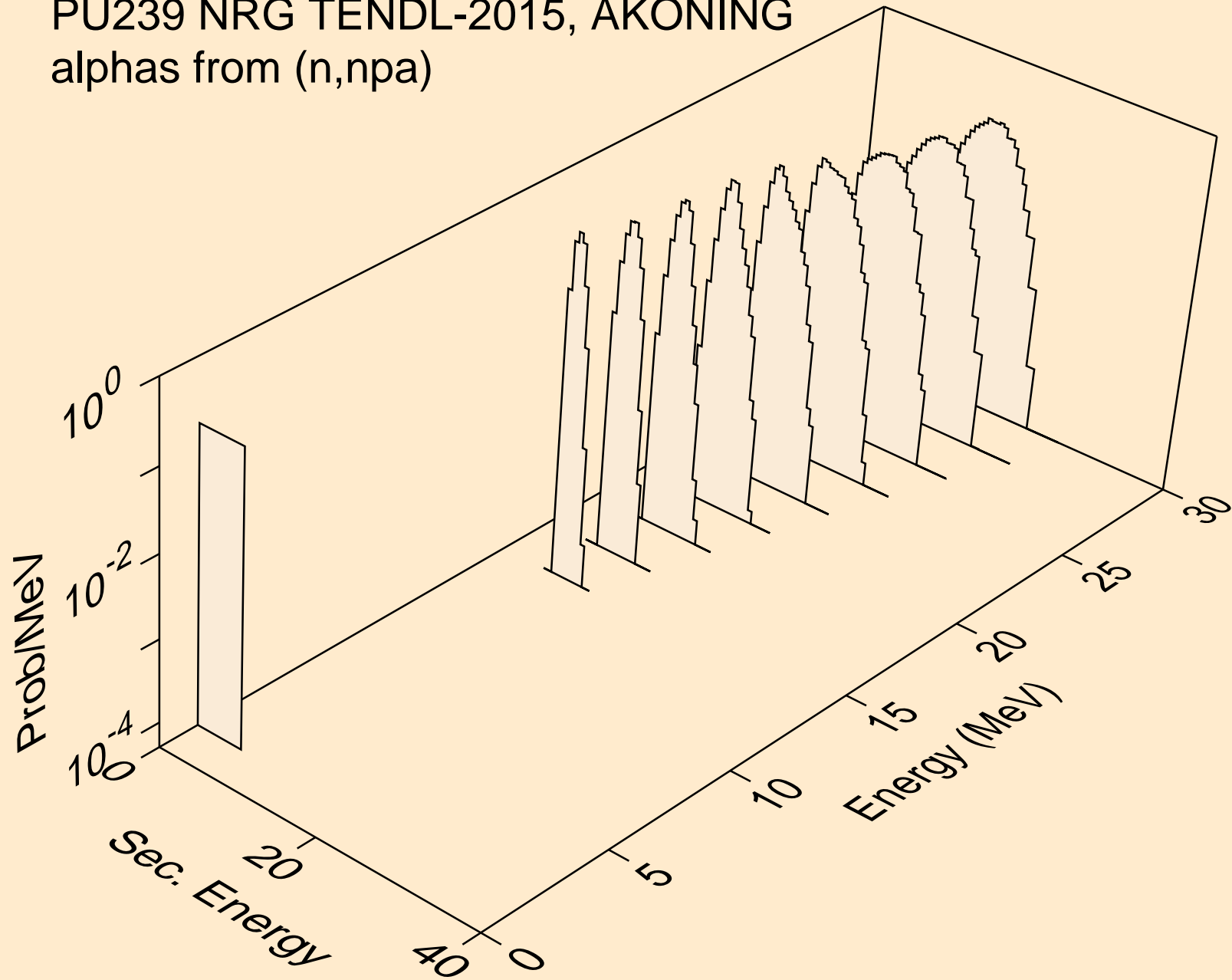
PU239 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



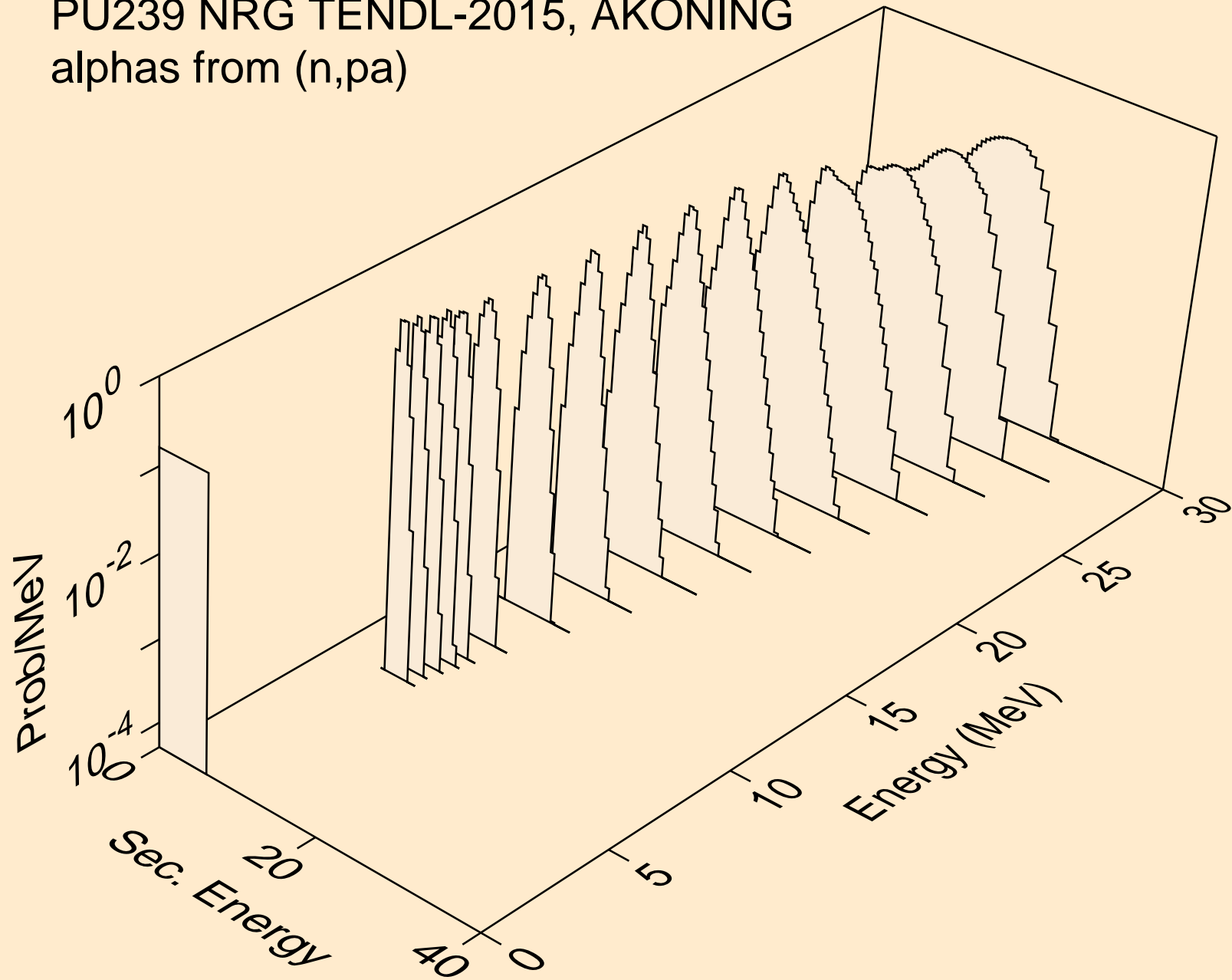
PU239 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



PU239 NRG TENDL-2015, AKONING  
alphas from (n,npa)



PU239 NRG TENDL-2015, AKONING  
alphas from (n,pa)



PU239 NRG TENDL-2015, AKONING  
alphas from (n,da)

