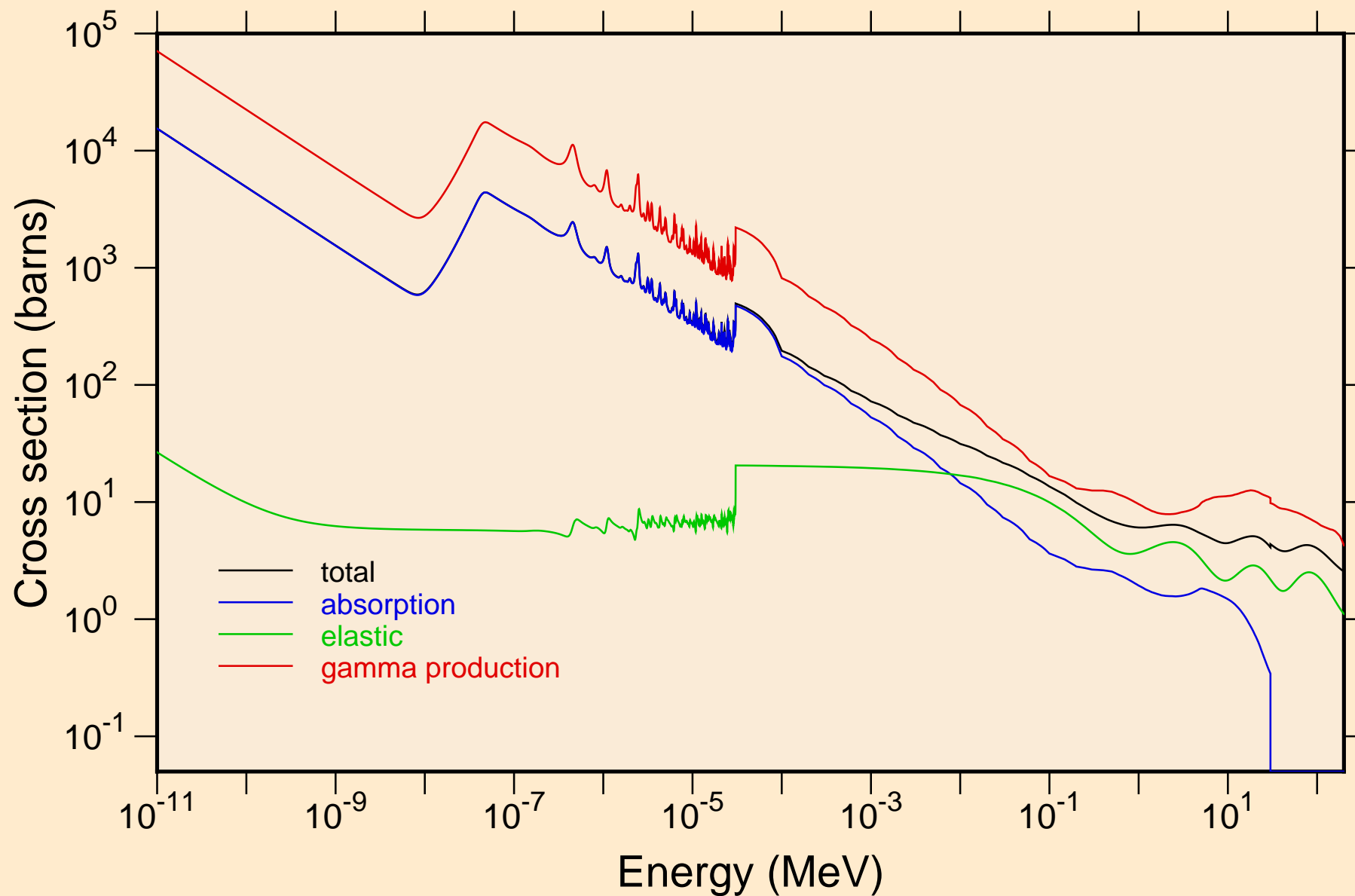
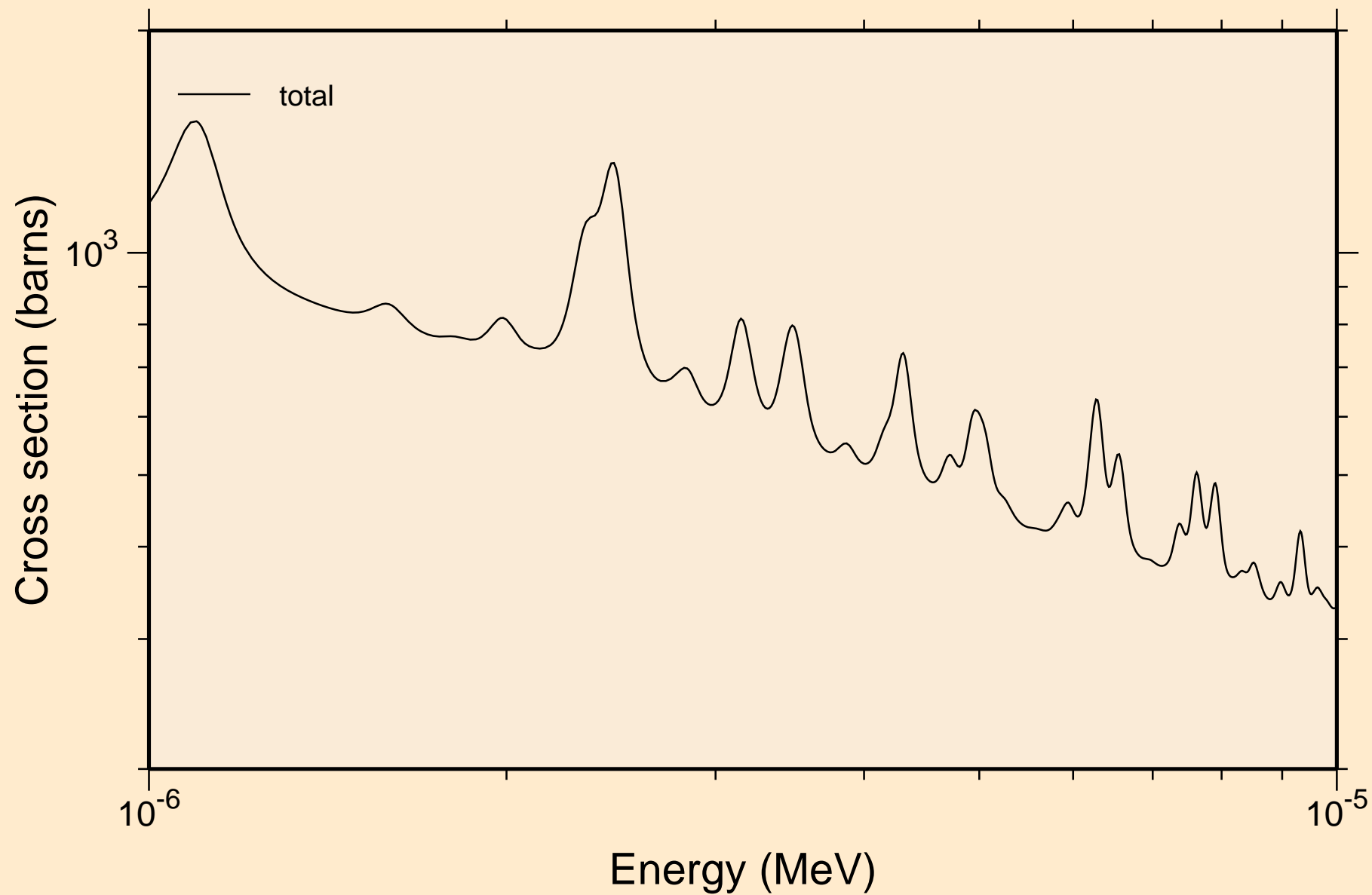


# W163 NRG TENDL-2015, AKONING

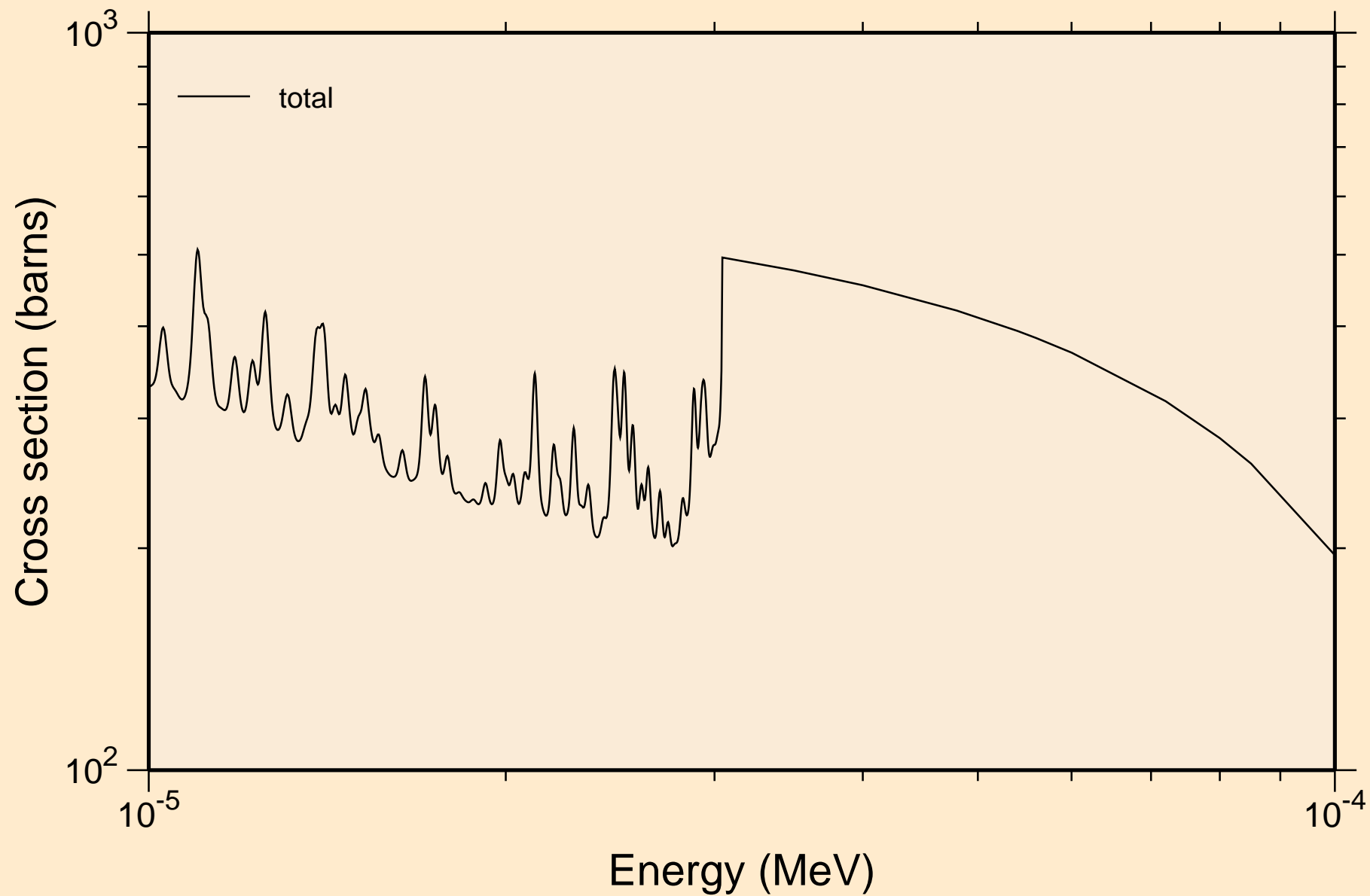
## Principal cross sections



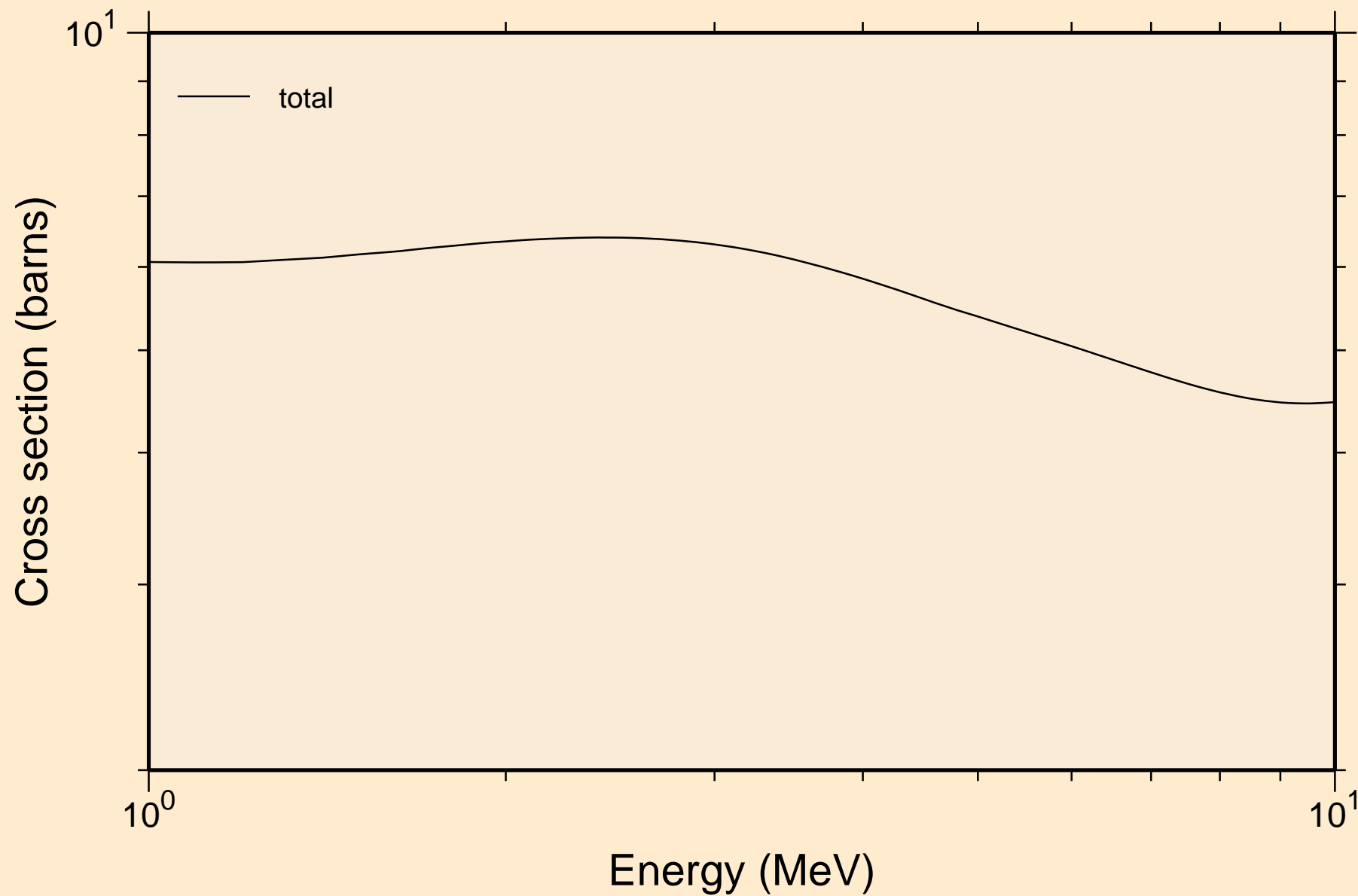
W163 NRG TENDL-2015, AKONING  
resonance total cross section



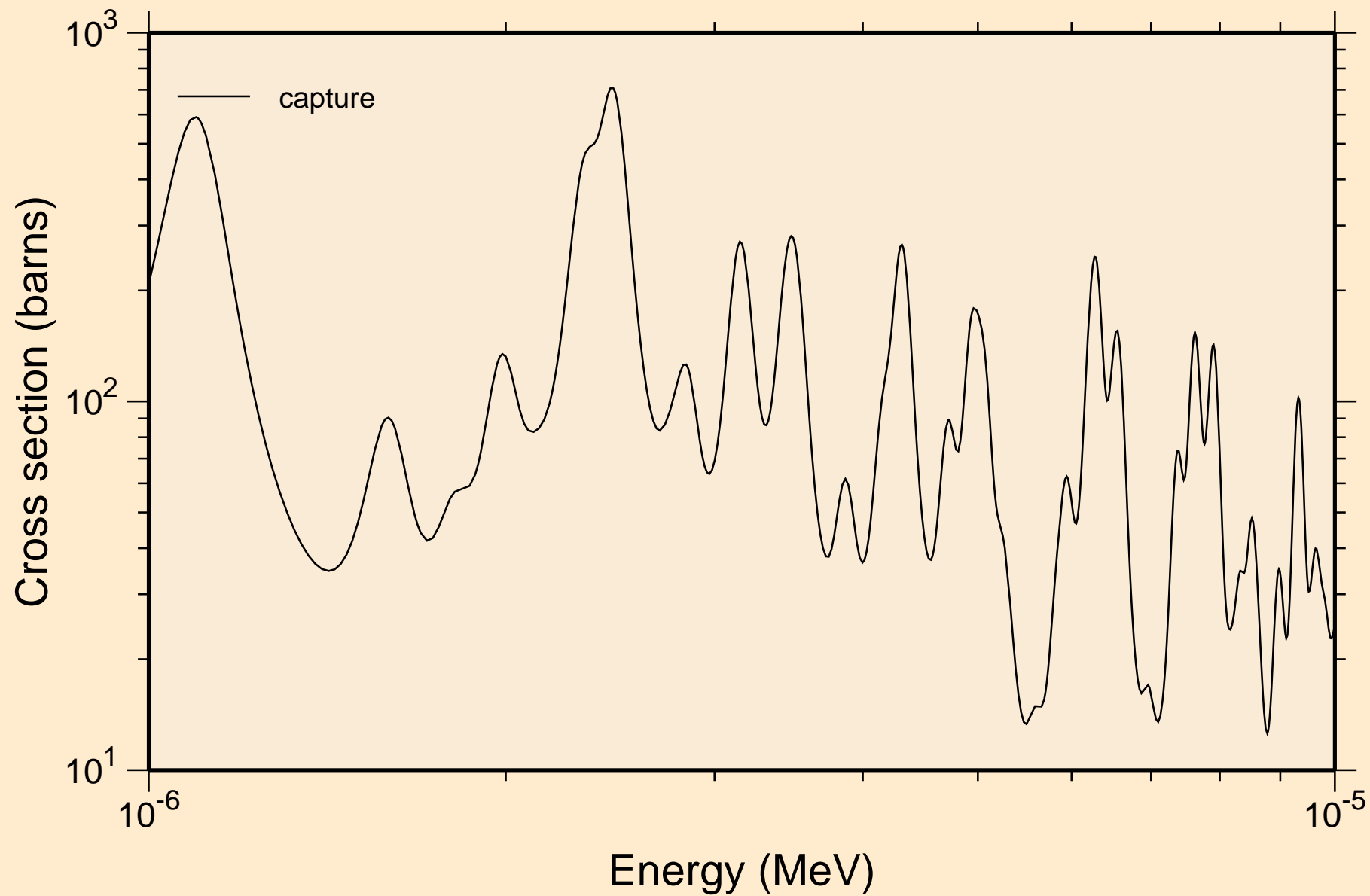
W163 NRG TENDL-2015, AKONING  
resonance total cross section



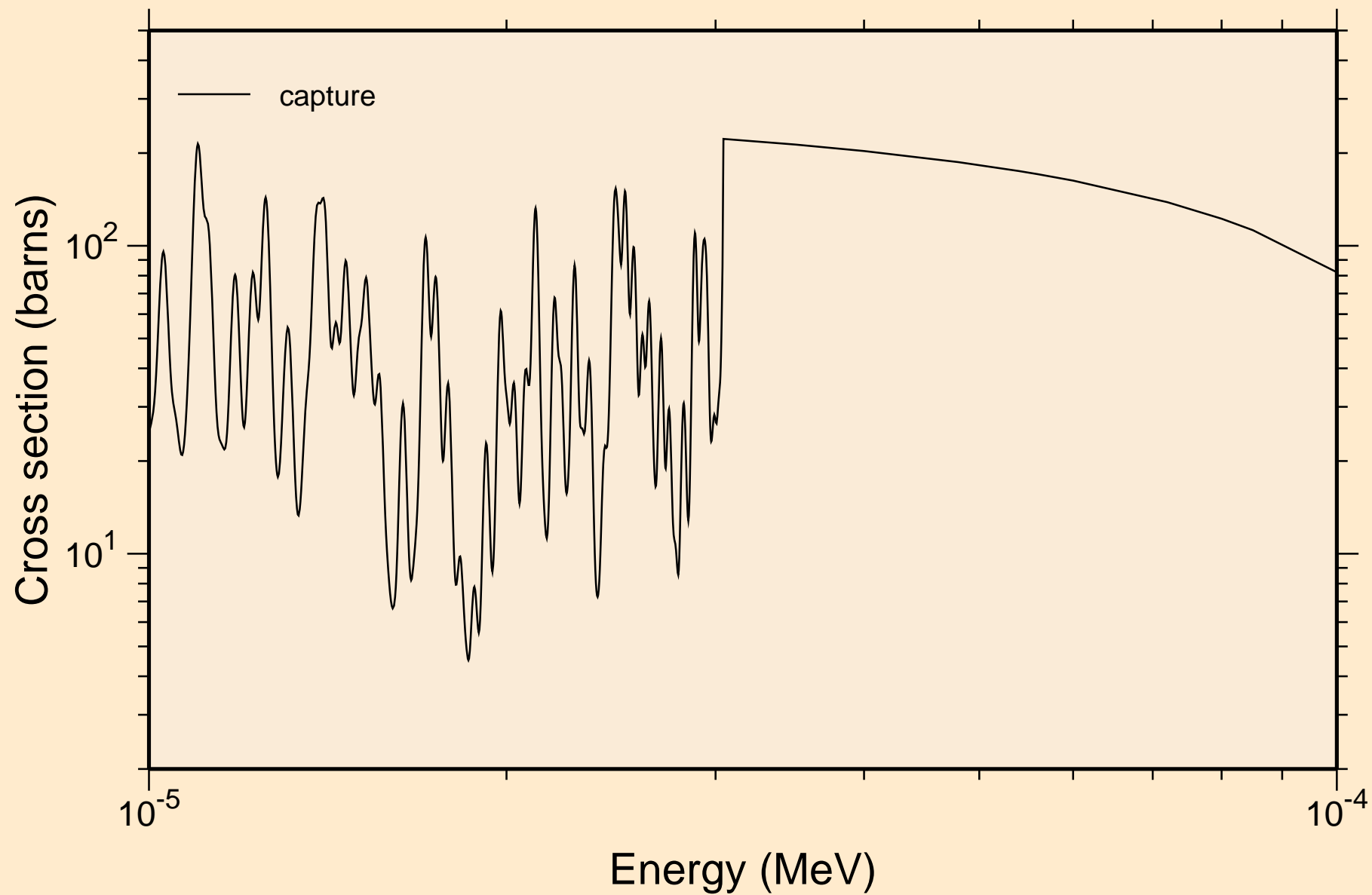
W163 NRG TENDL-2015, AKONING  
resonance total cross section



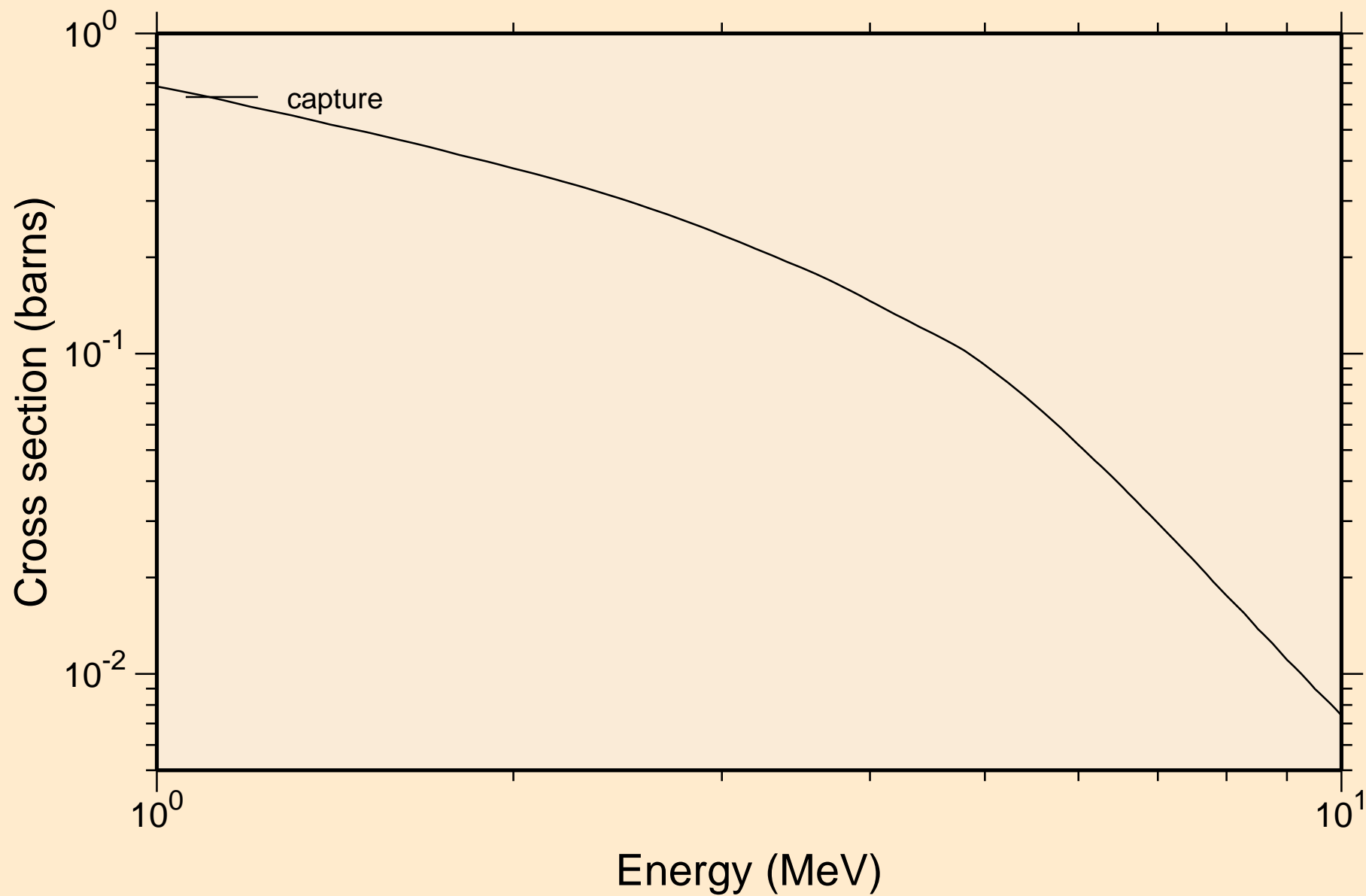
W163 NRG TENDL-2015, AKONING  
resonance absorption cross sections



# W163 NRG TENDL-2015, AKONING resonance absorption cross sections

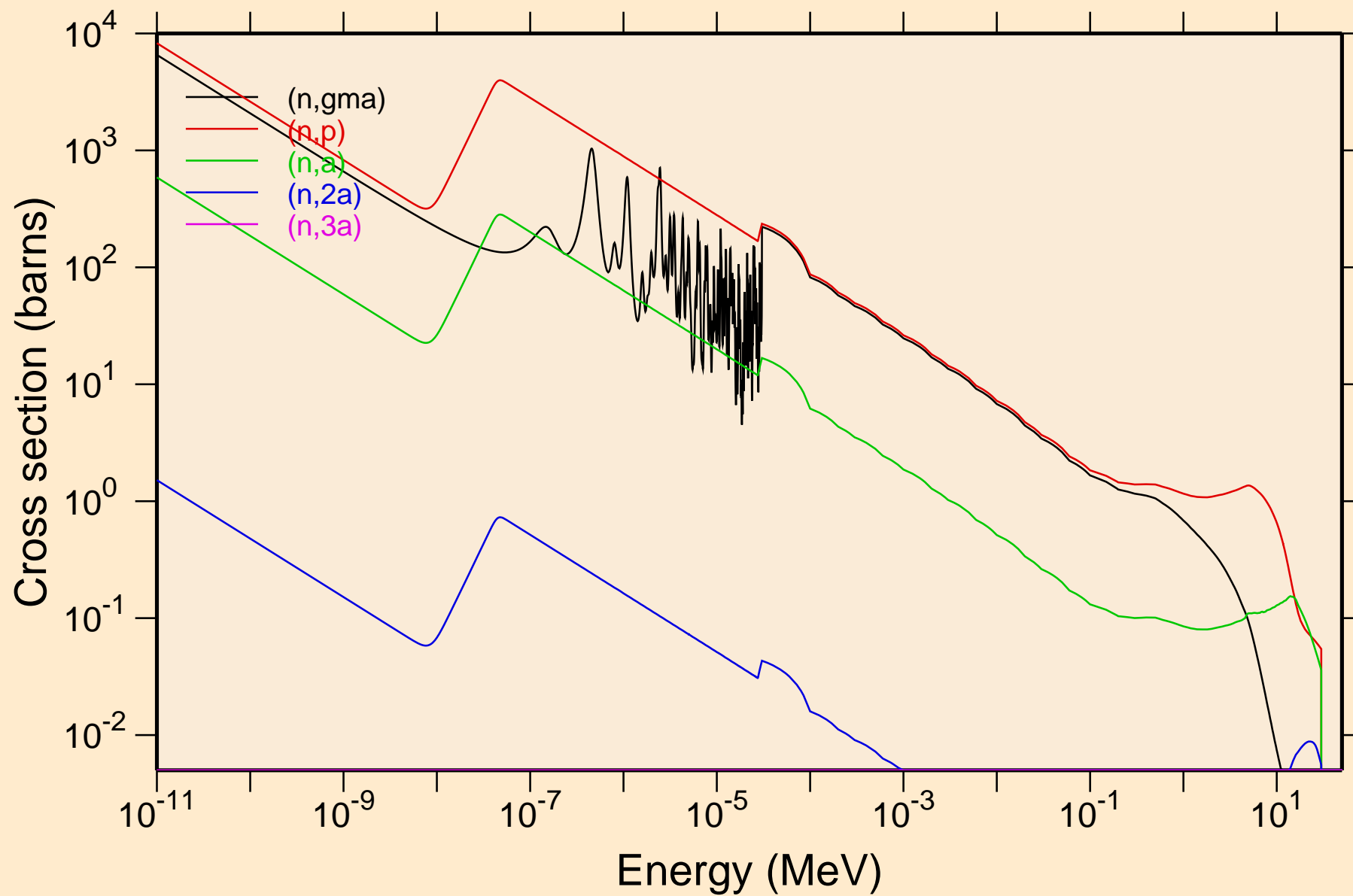


W163 NRG TENDL-2015, AKONING  
resonance absorption cross sections



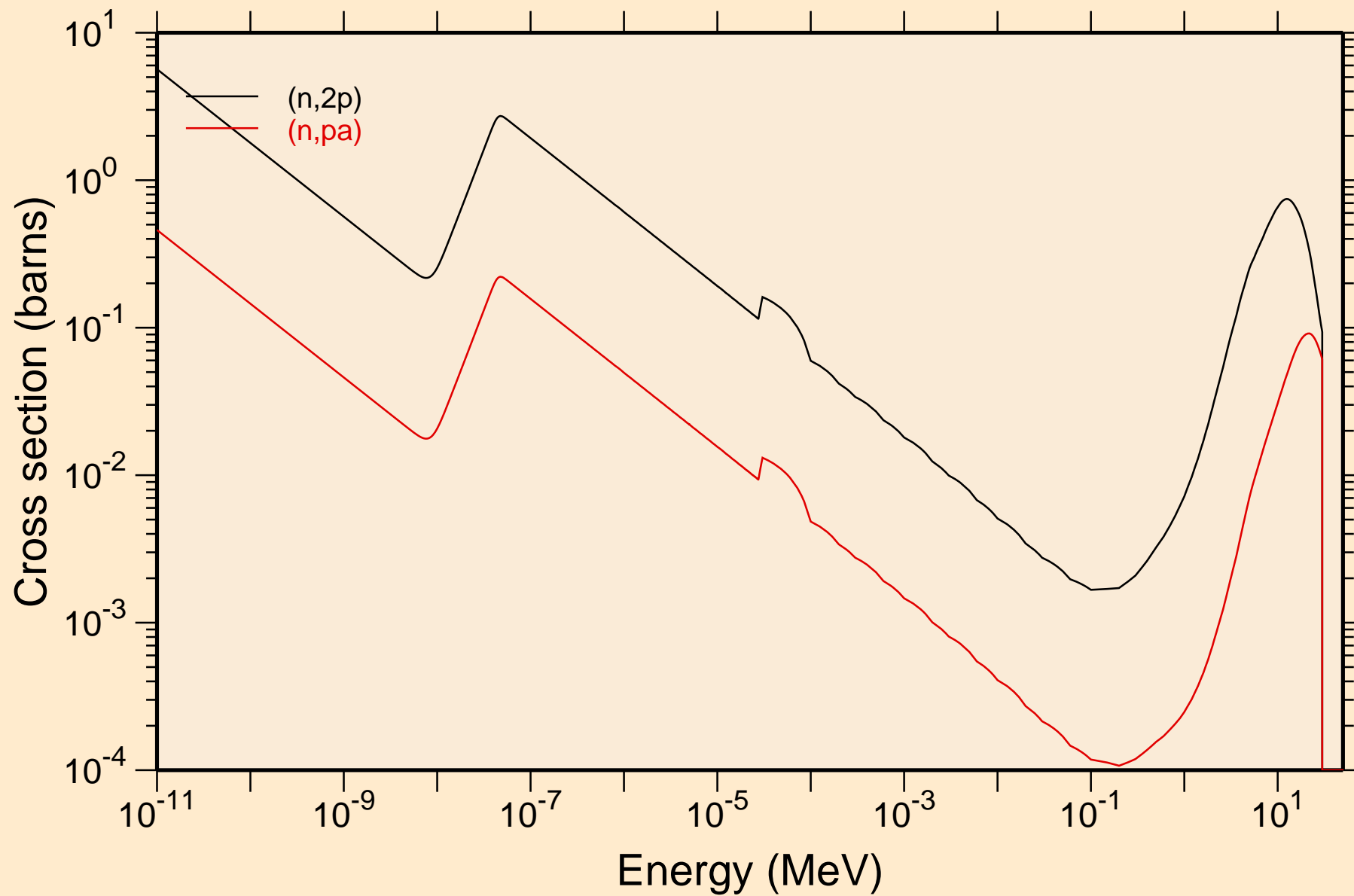
# W163 NRG TENDL-2015, AKONING

## Non-threshold reactions



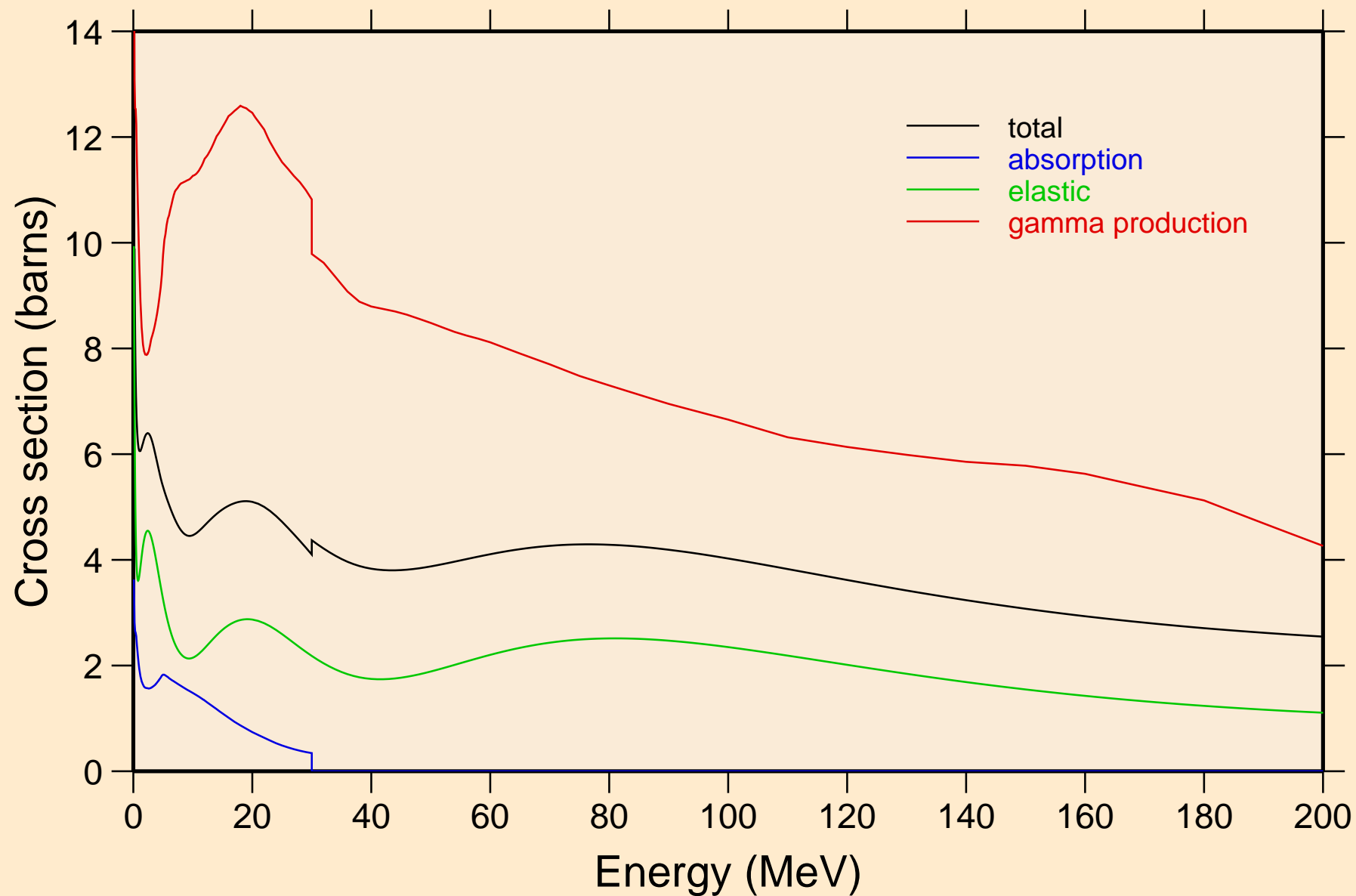


W163 NRG TENDL-2015, AKONING  
Non-threshold reactions



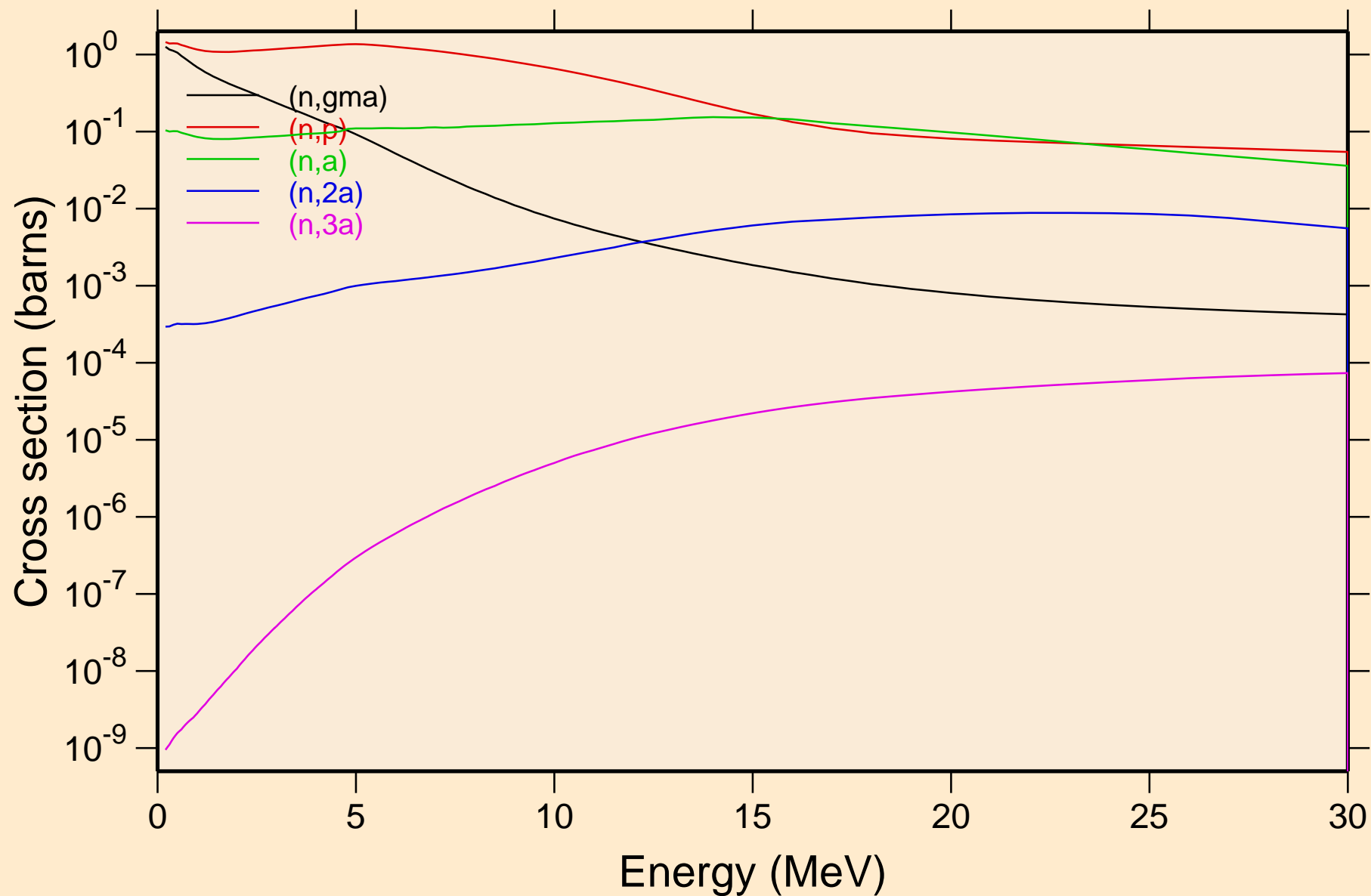
# W163 NRG TENDL-2015, AKONING

## Principal cross sections

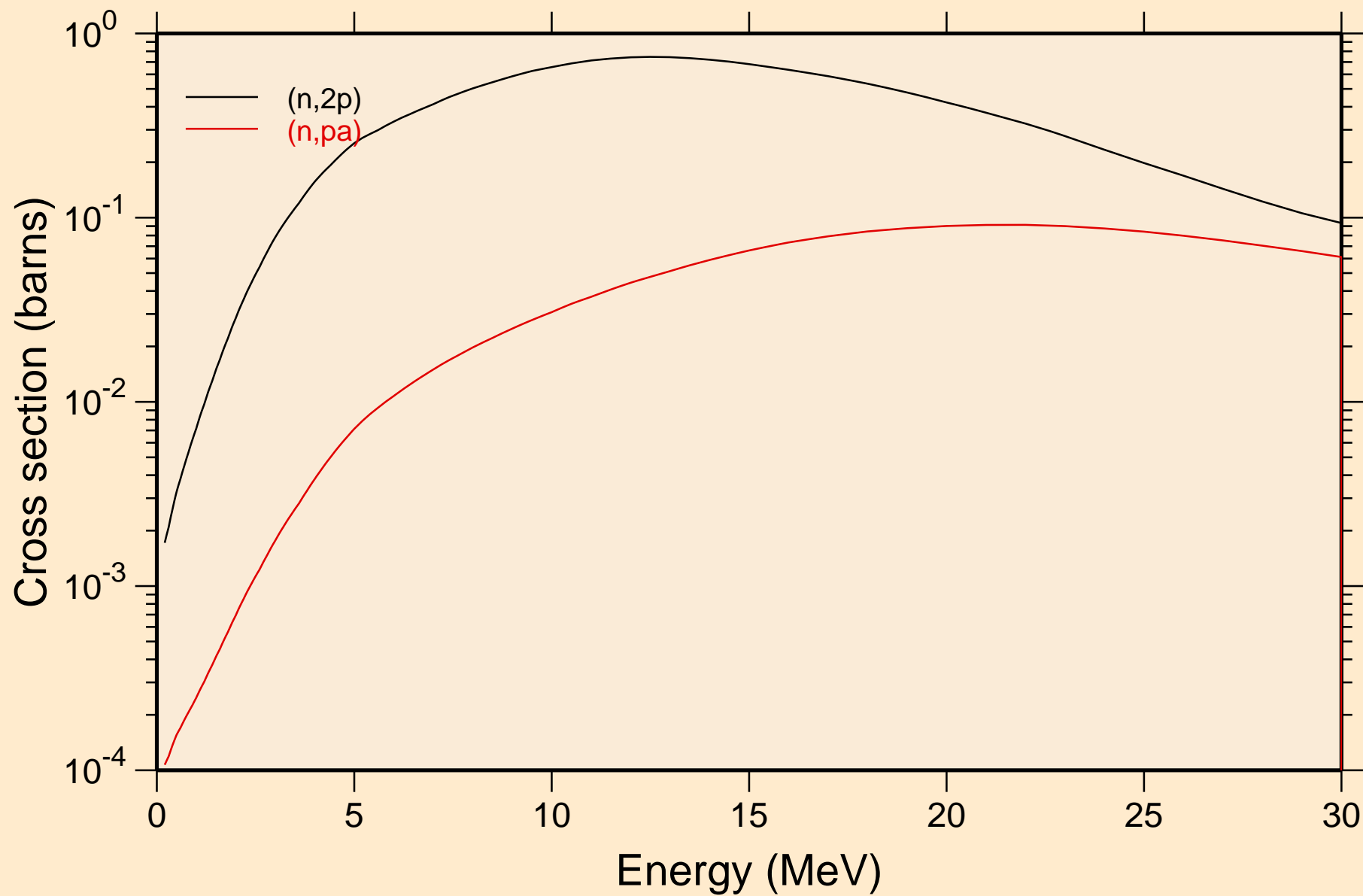


# W163 NRG TENDL-2015, AKONING

## Non-threshold reactions

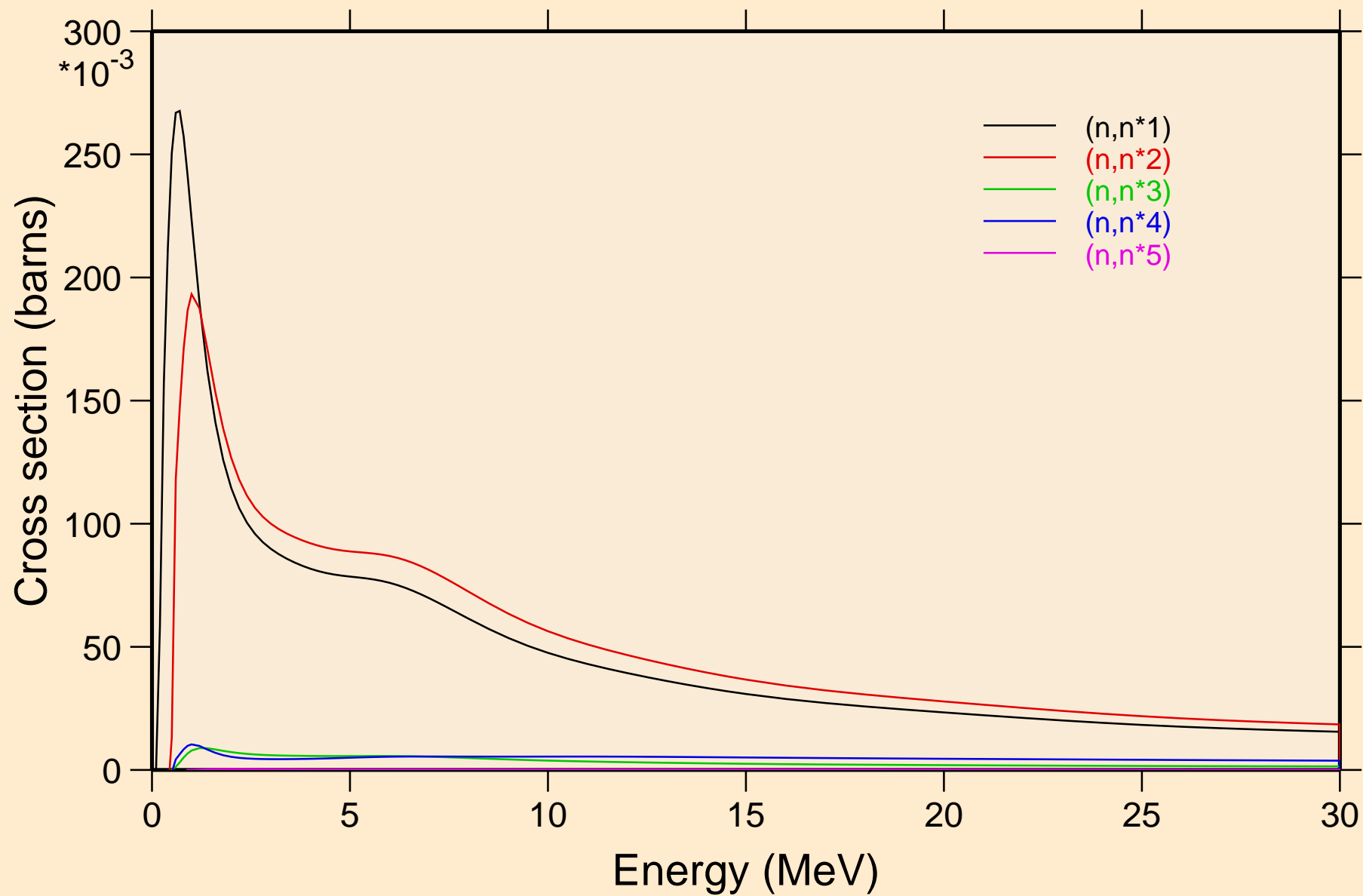


W163 NRG TENDL-2015, AKONING  
Non-threshold reactions



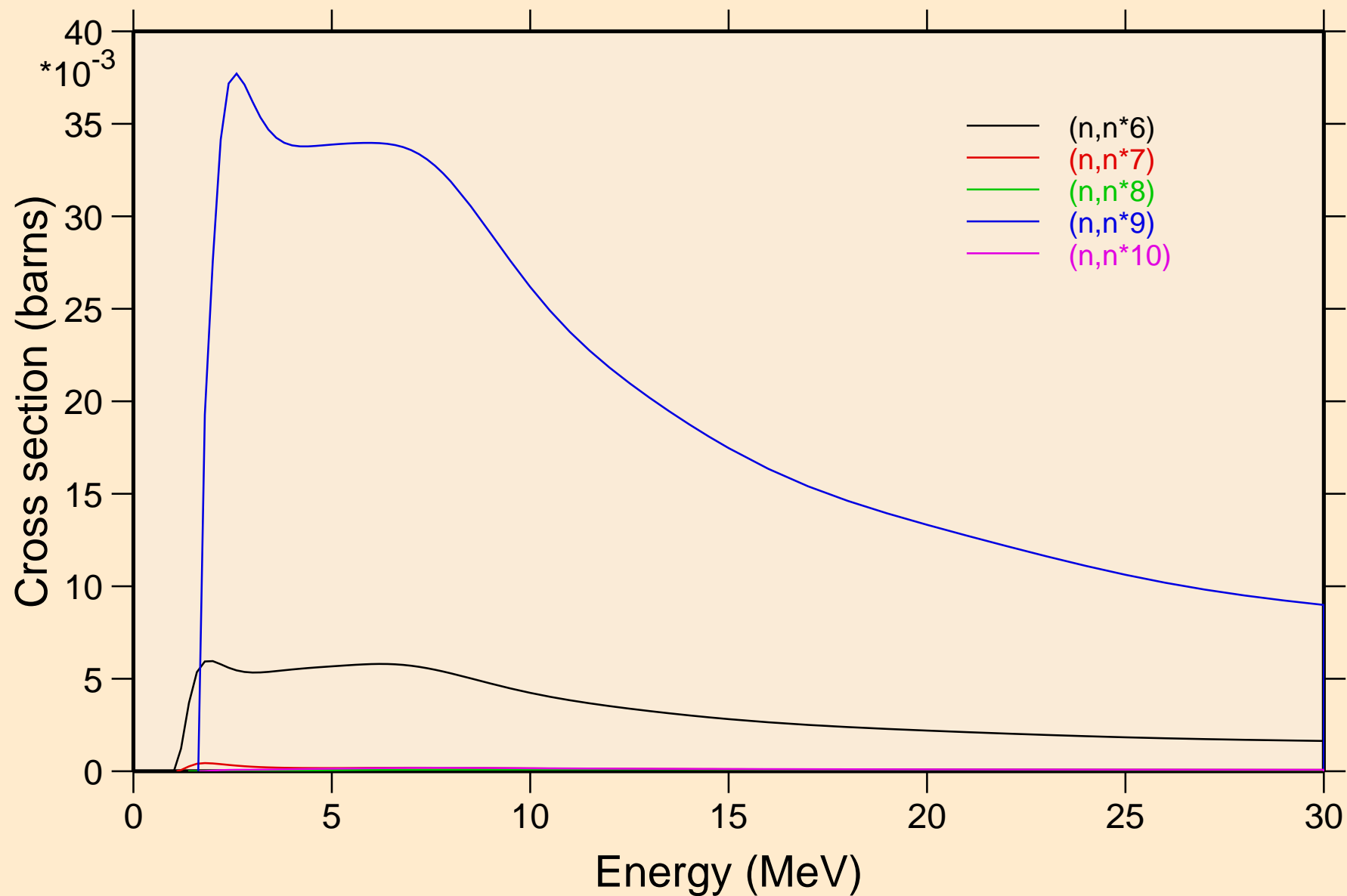
# W163 NRG TENDL-2015, AKONING

## Inelastic levels



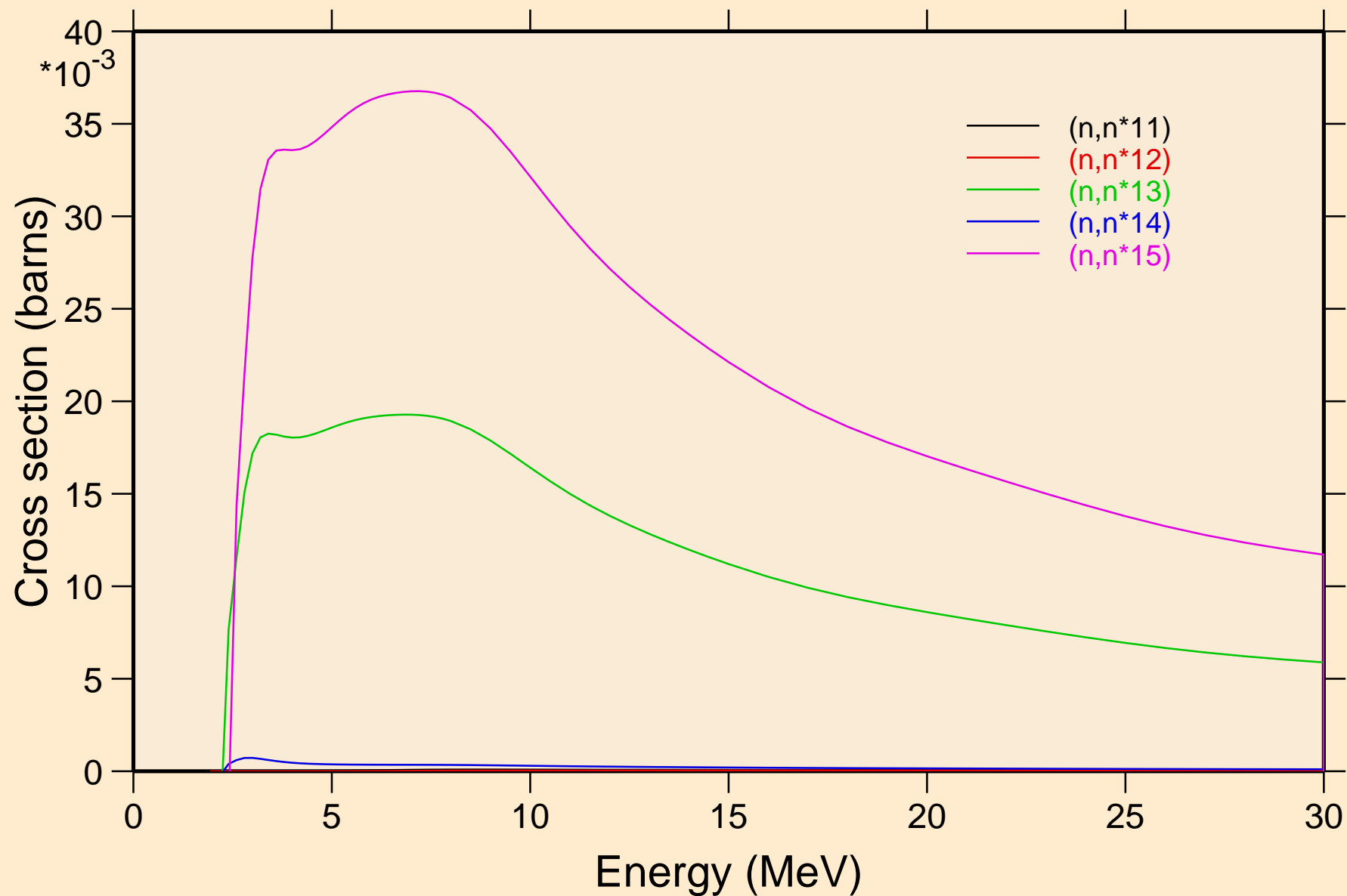
# W163 NRG TENDL-2015, AKONING

## Inelastic levels



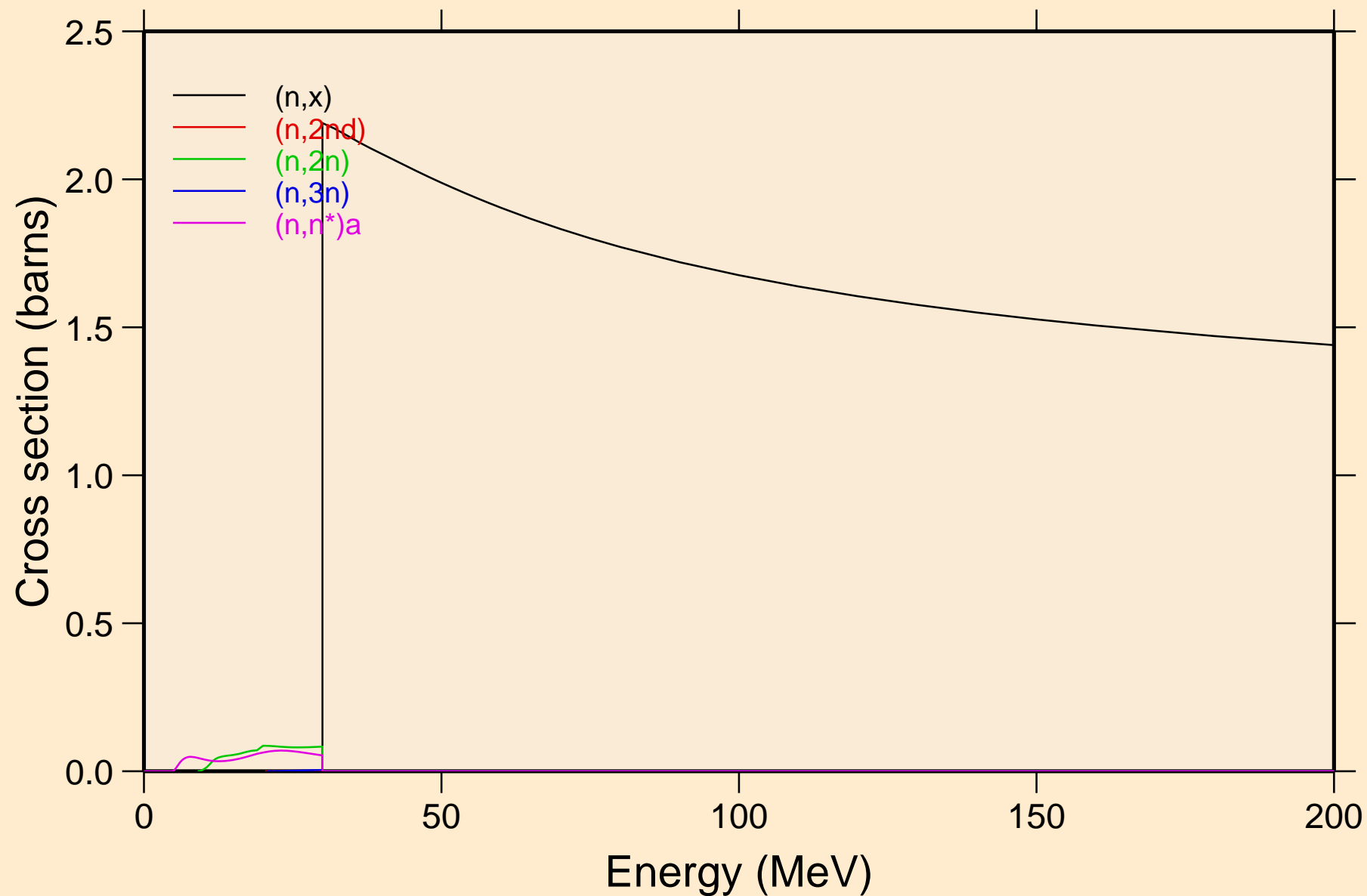
# W163 NRG TENDL-2015, AKONING

## Inelastic levels



# W163 NRG TENDL-2015, AKONING

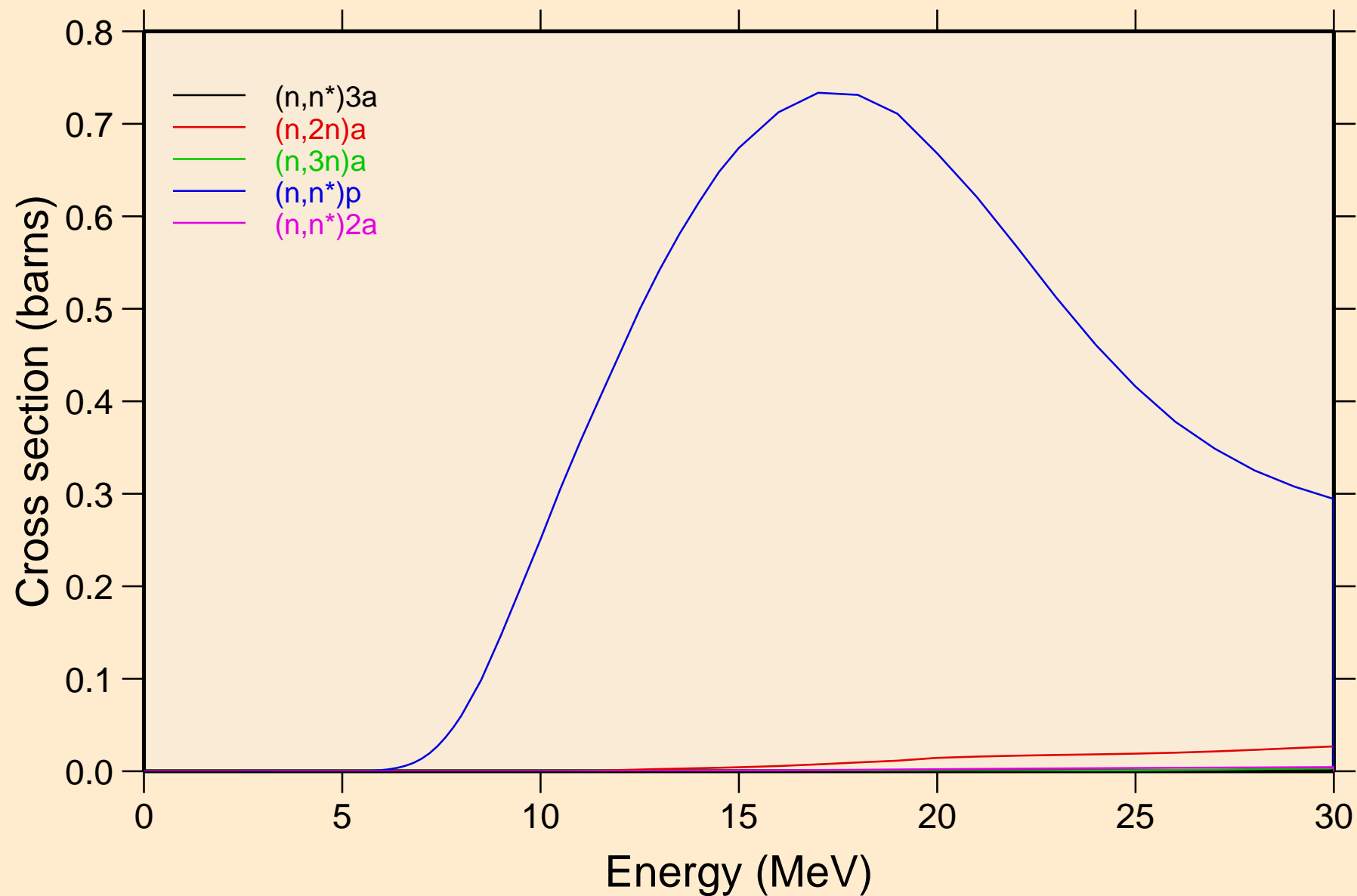
## Threshold reactions





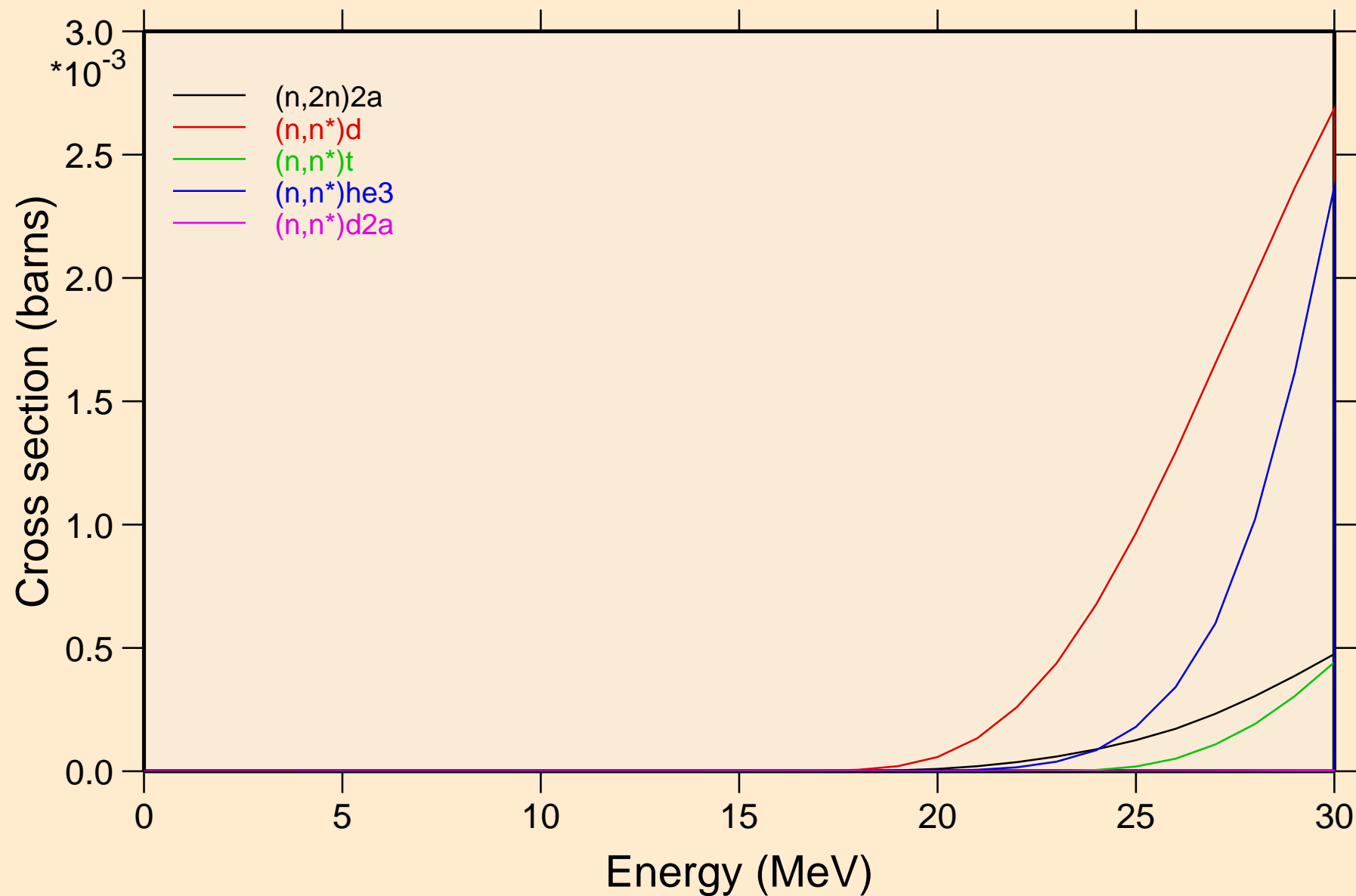
# W163 NRG TENDL-2015, AKONING

## Threshold reactions



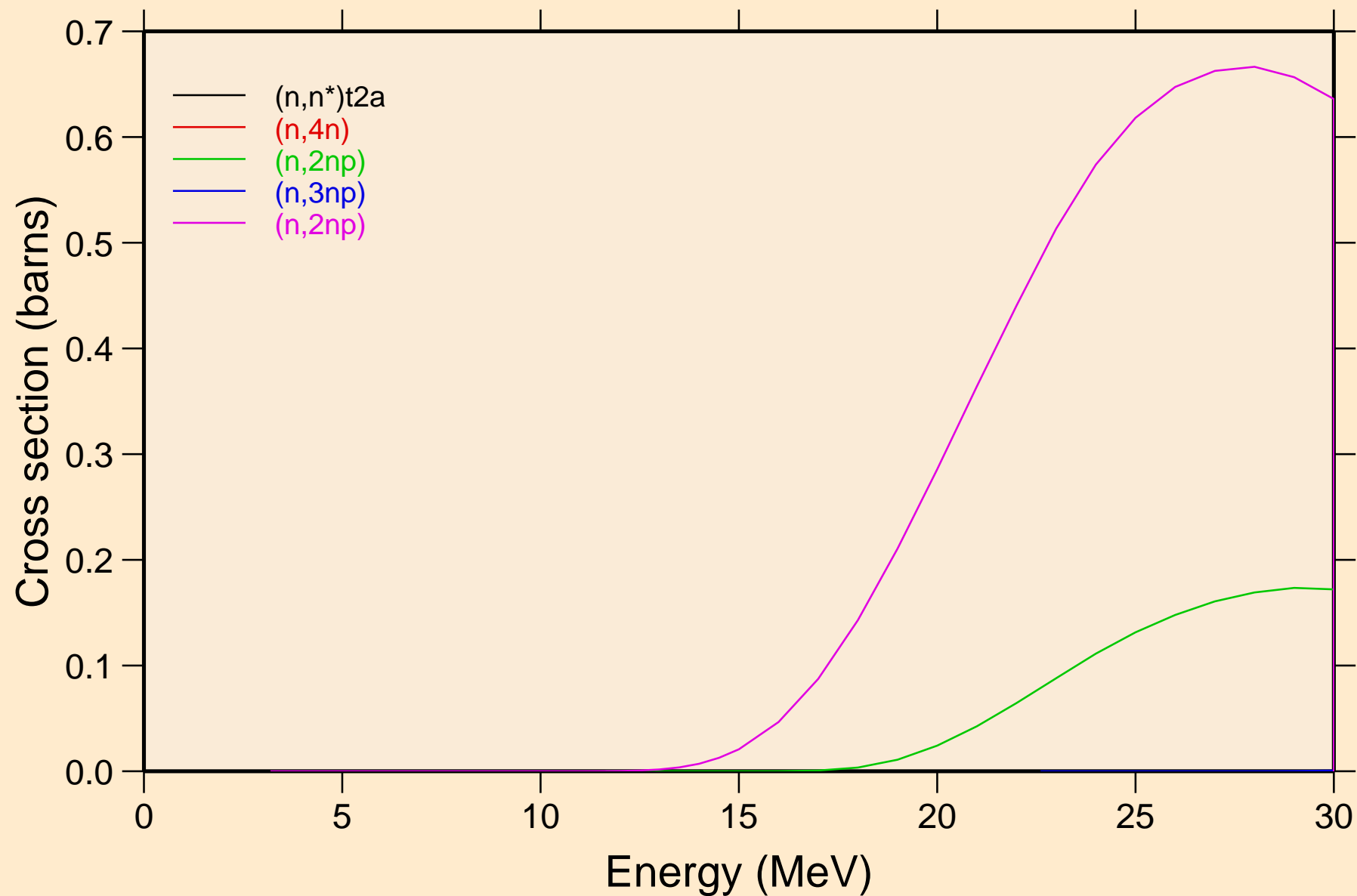
# W163 NRG TENDL-2015, AKONING

## Threshold reactions



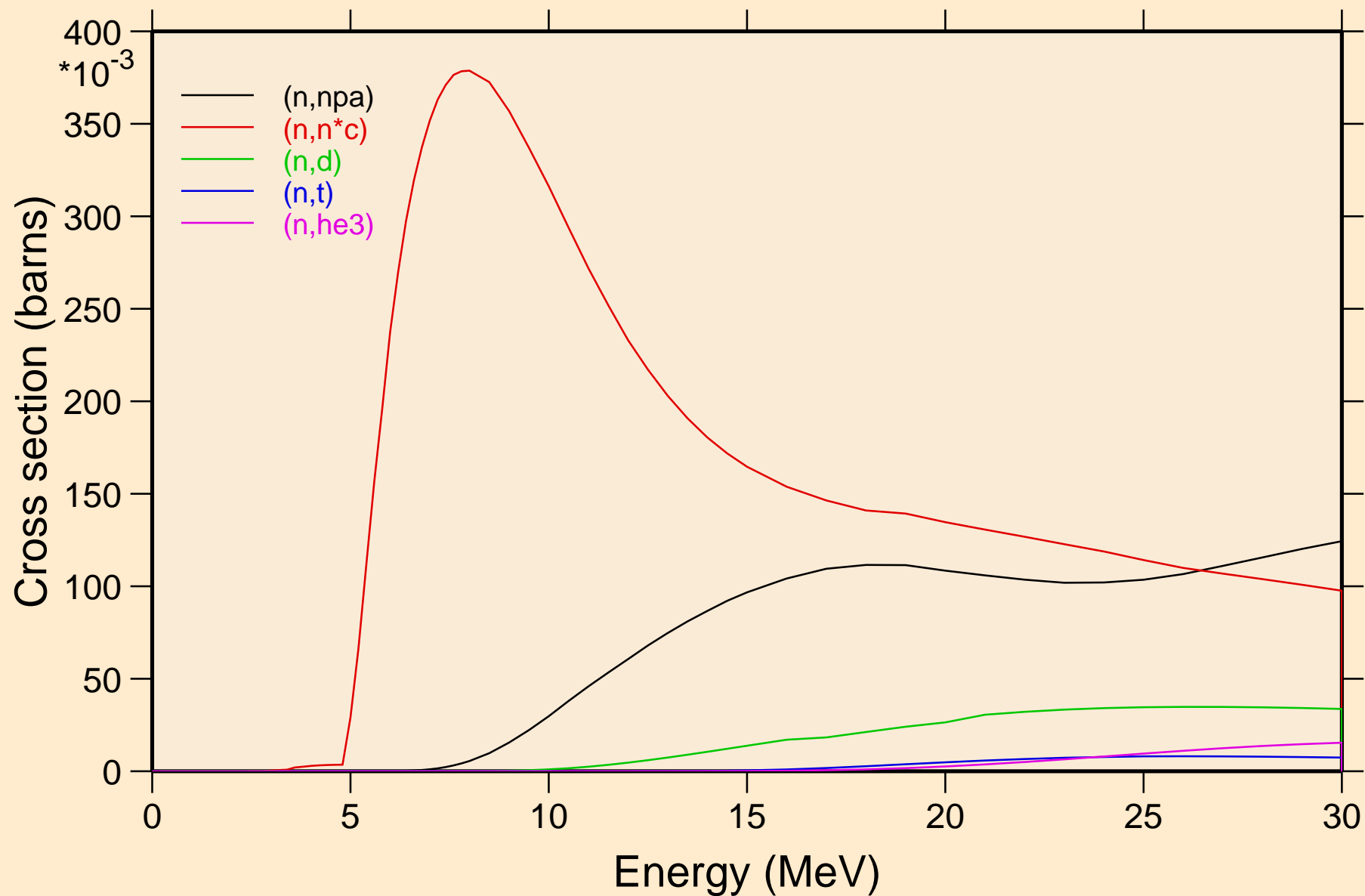
# W163 NRG TENDL-2015, AKONING

## Threshold reactions



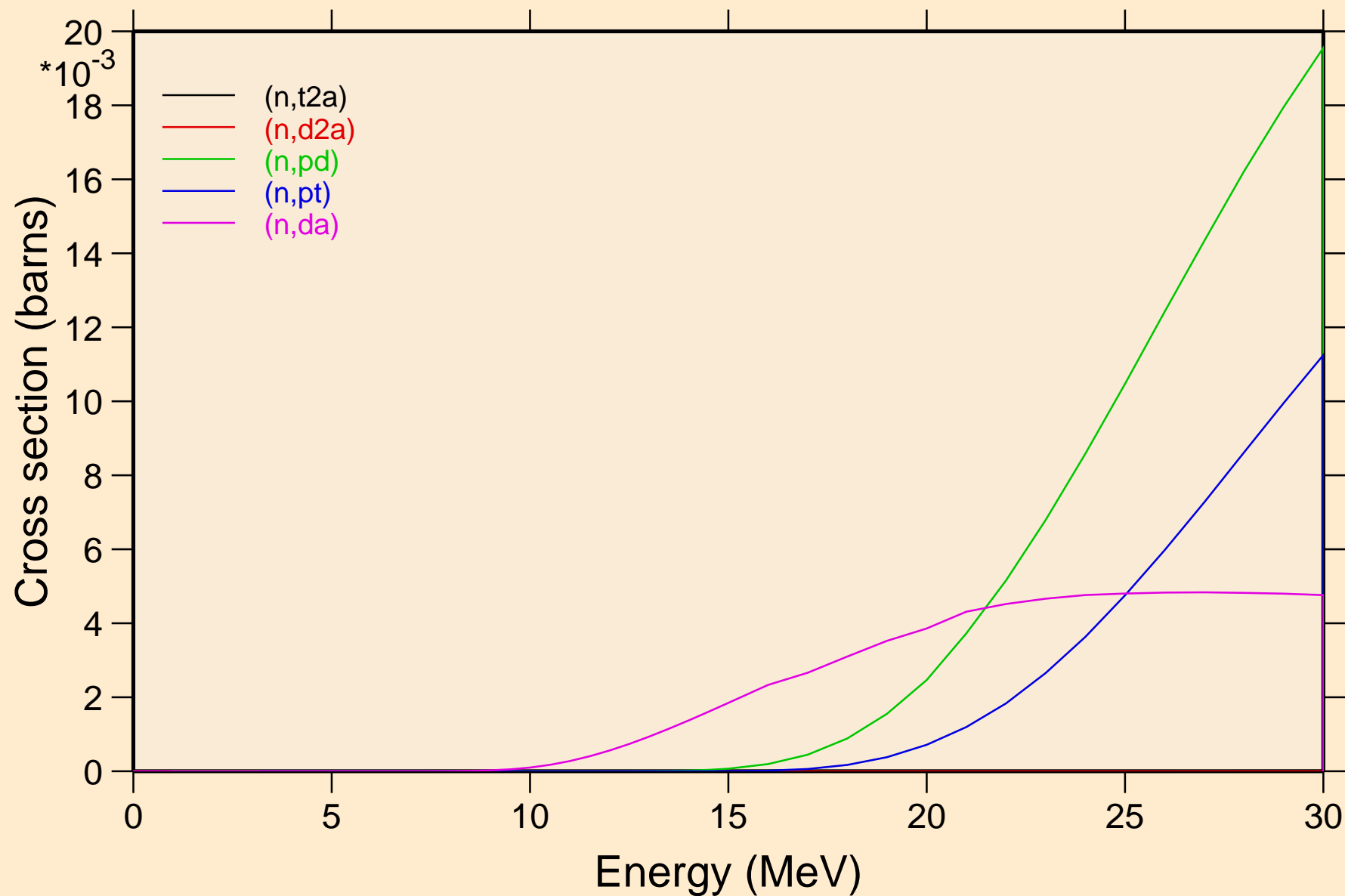
# W163 NRG TENDL-2015, AKONING

## Threshold reactions

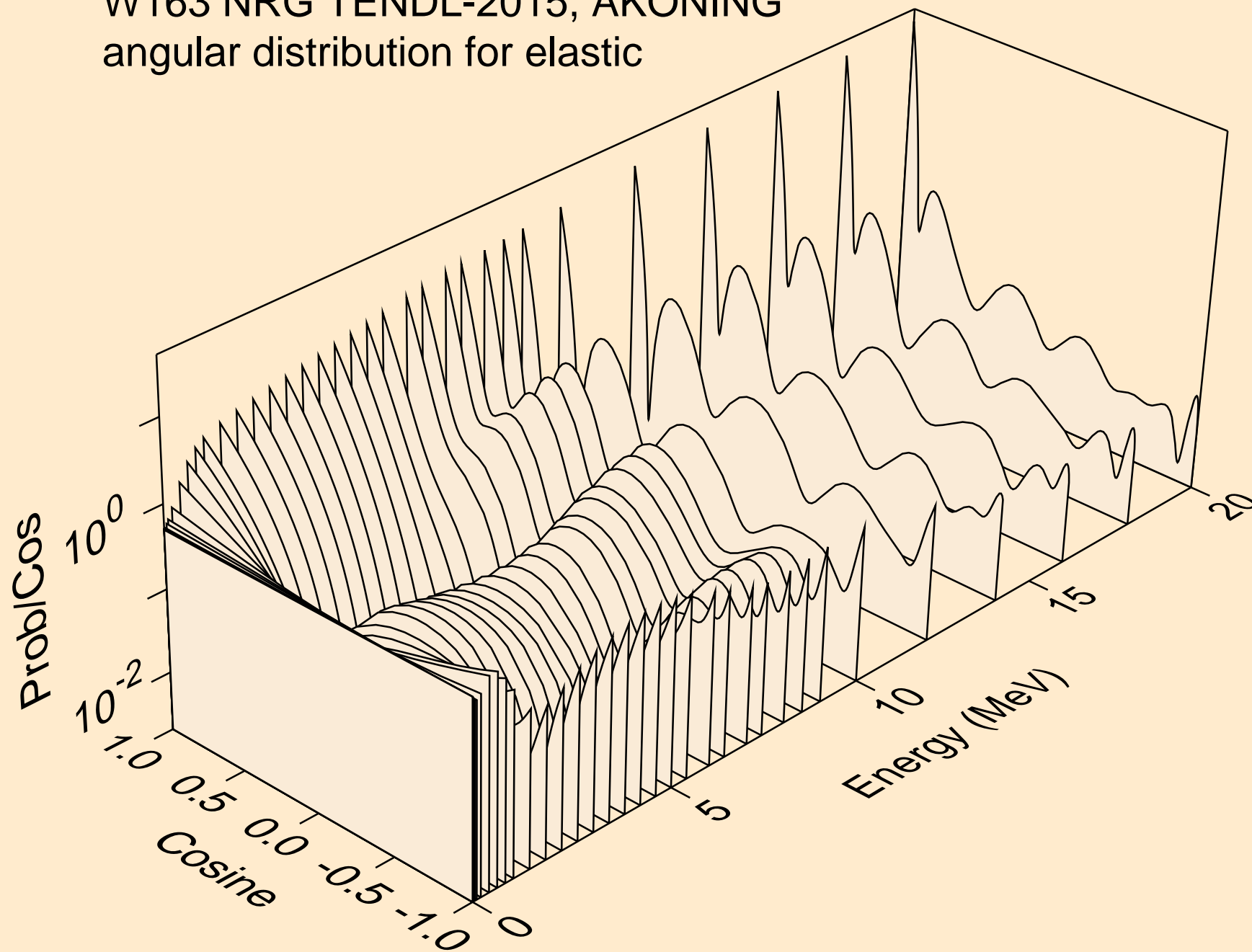


# W163 NRG TENDL-2015, AKONING

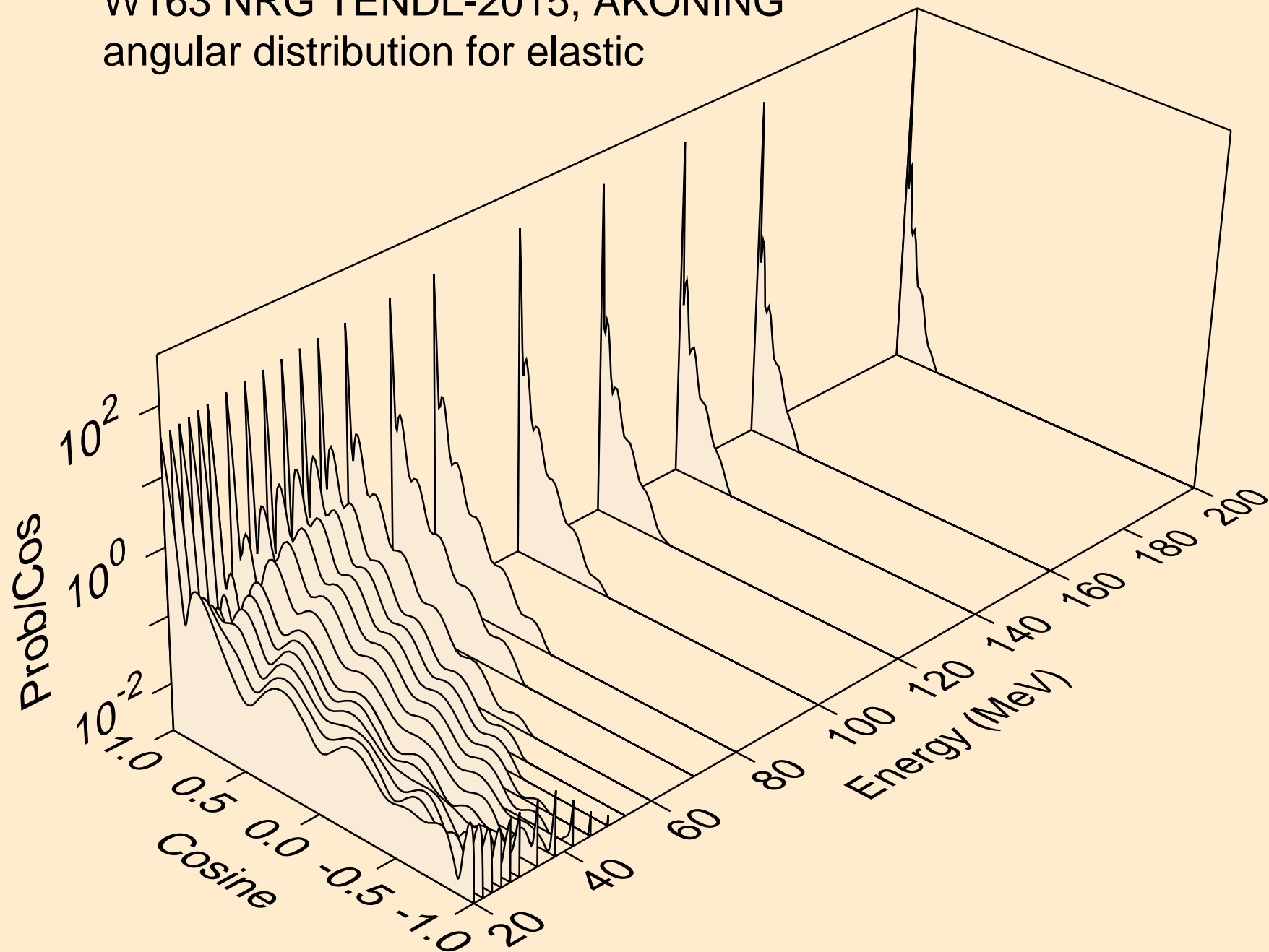
## Threshold reactions



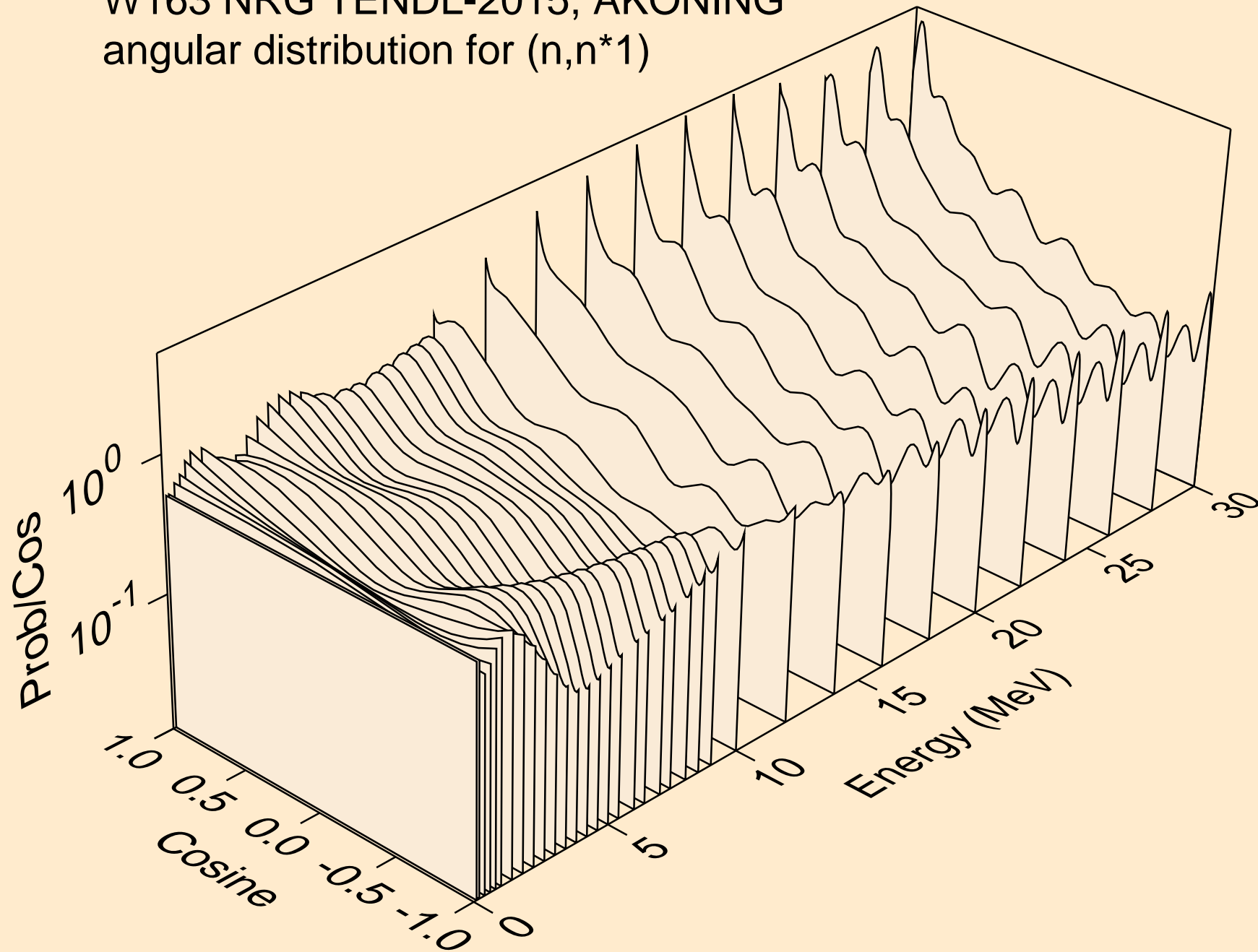
W163 NRG TENDL-2015, AKONING  
angular distribution for elastic



W163 NRG TENDL-2015, AKONING  
angular distribution for elastic

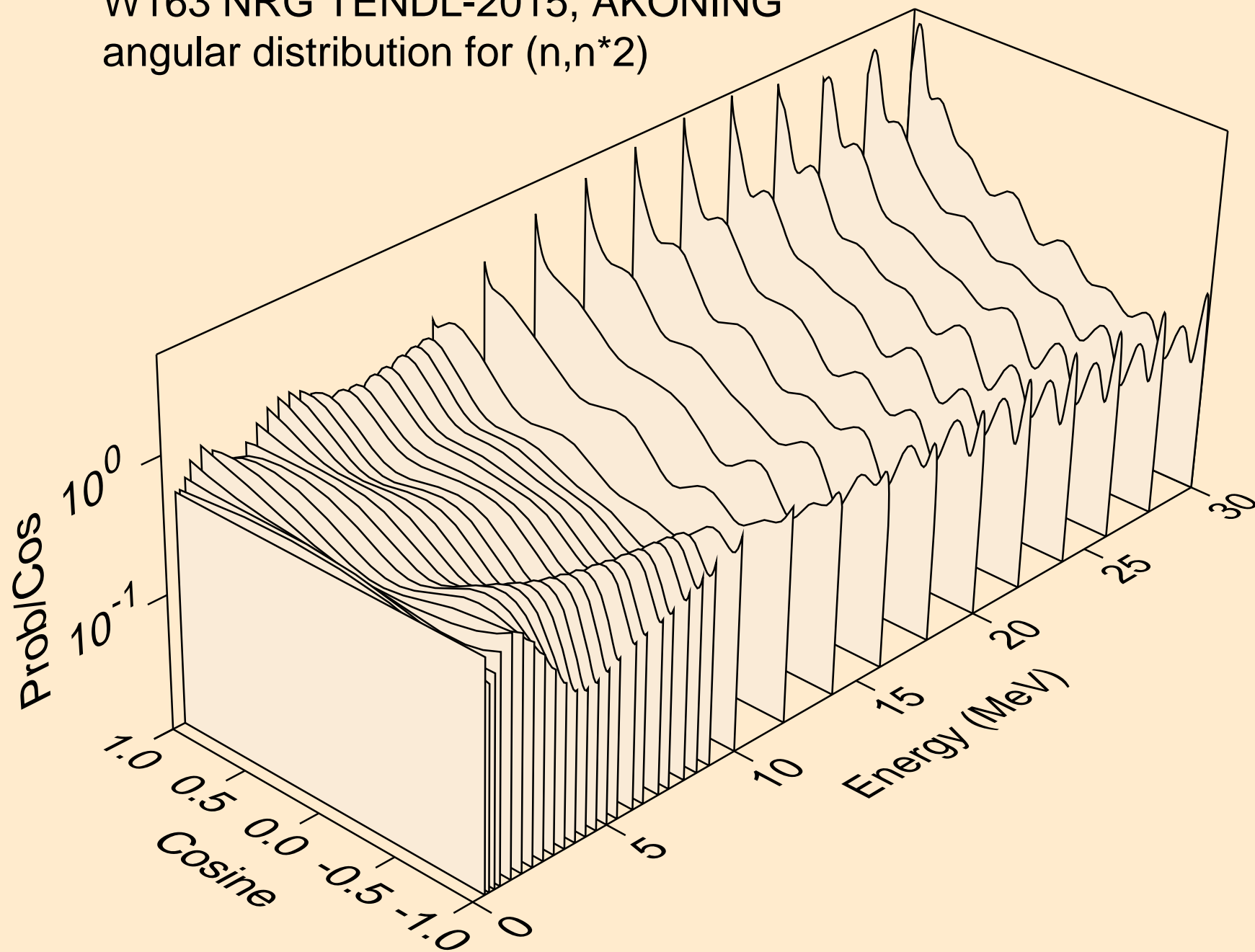


W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

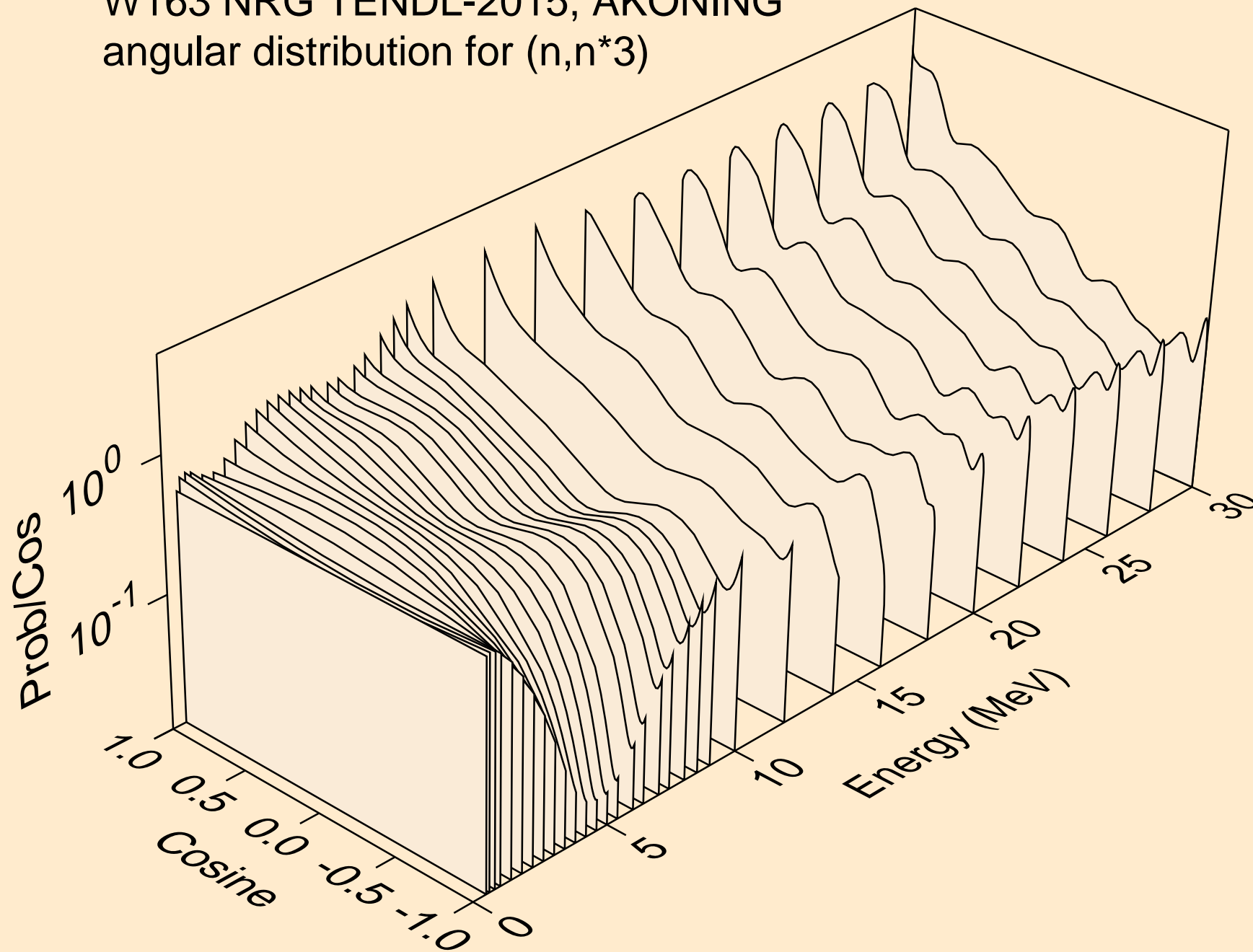




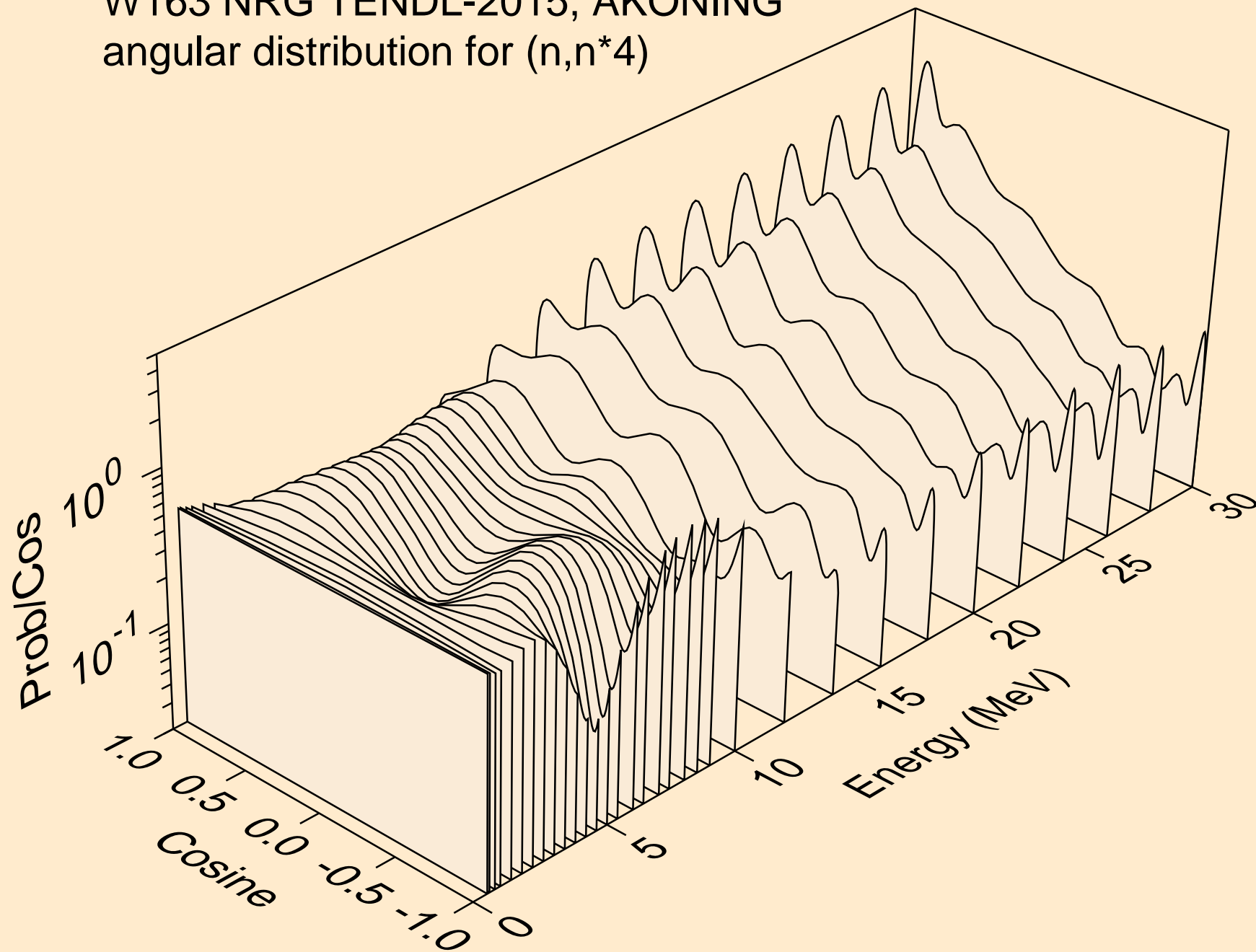
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



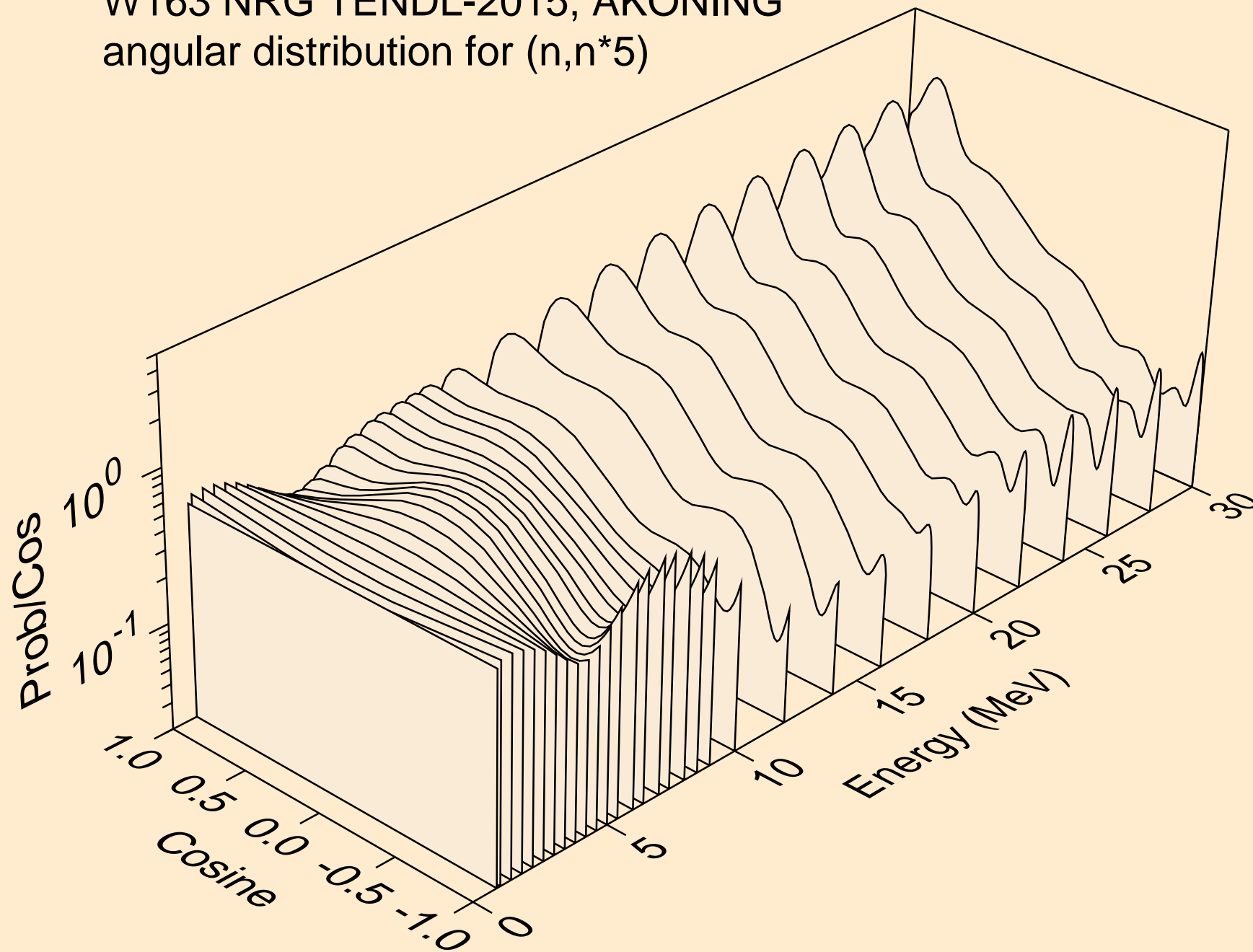
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



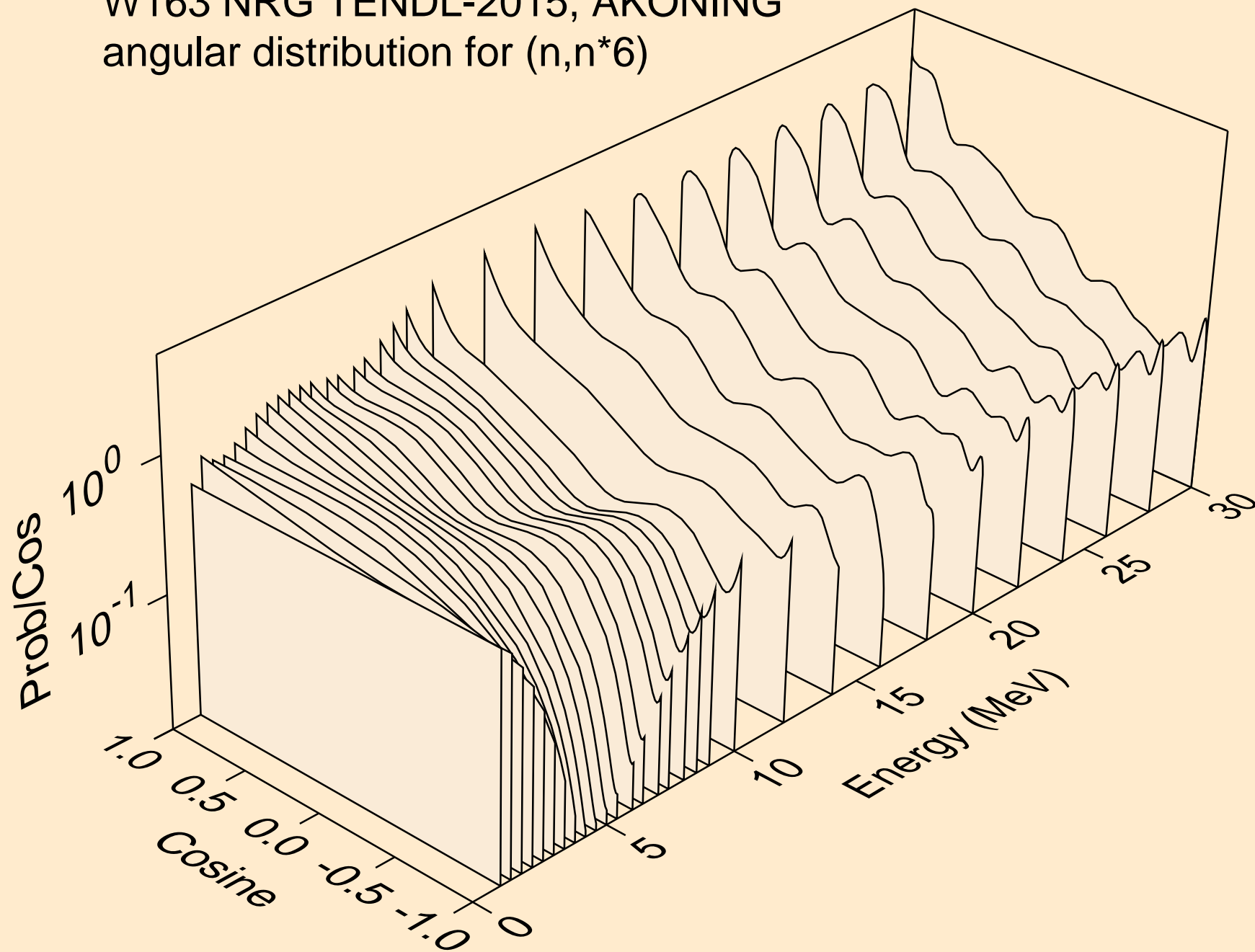
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



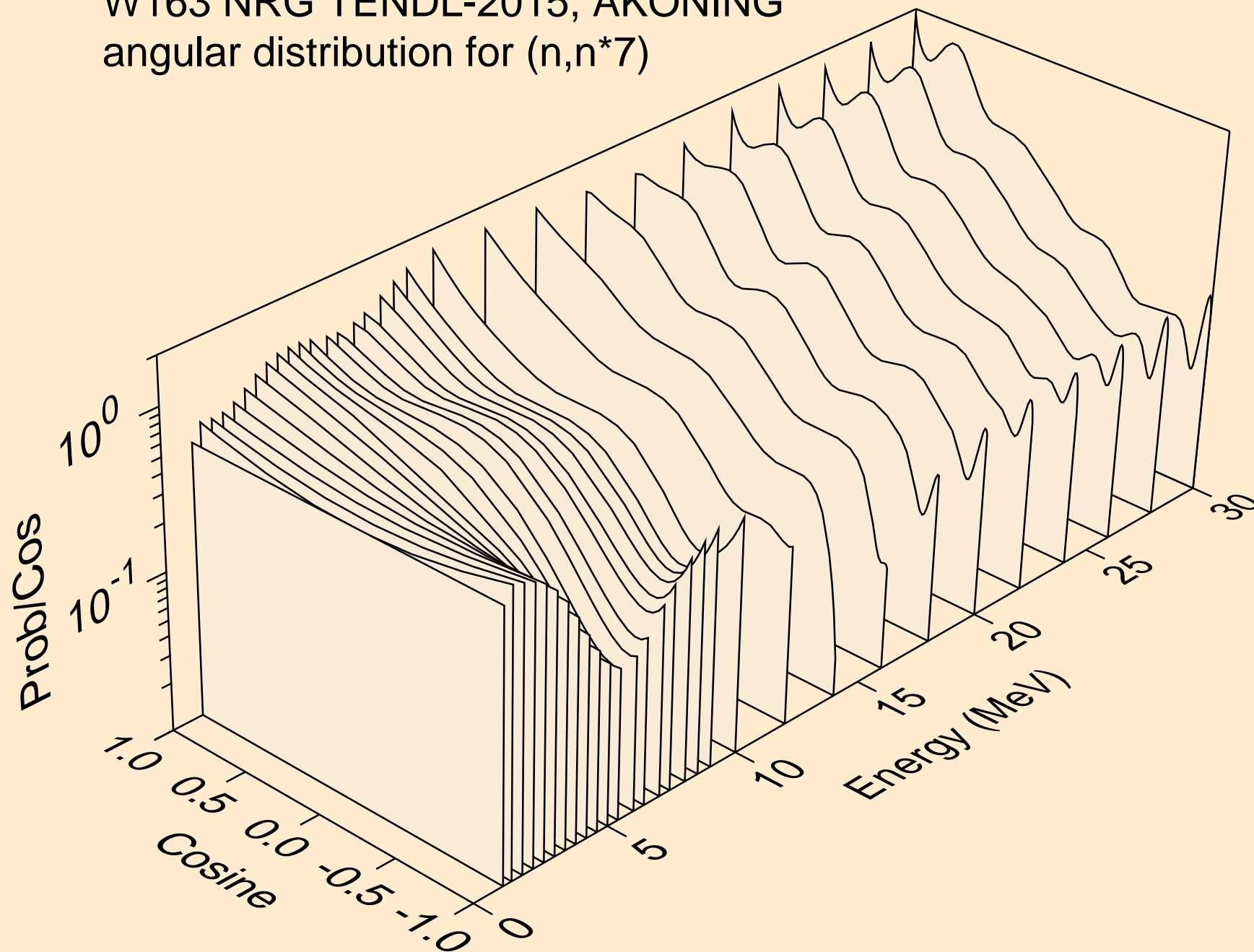
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



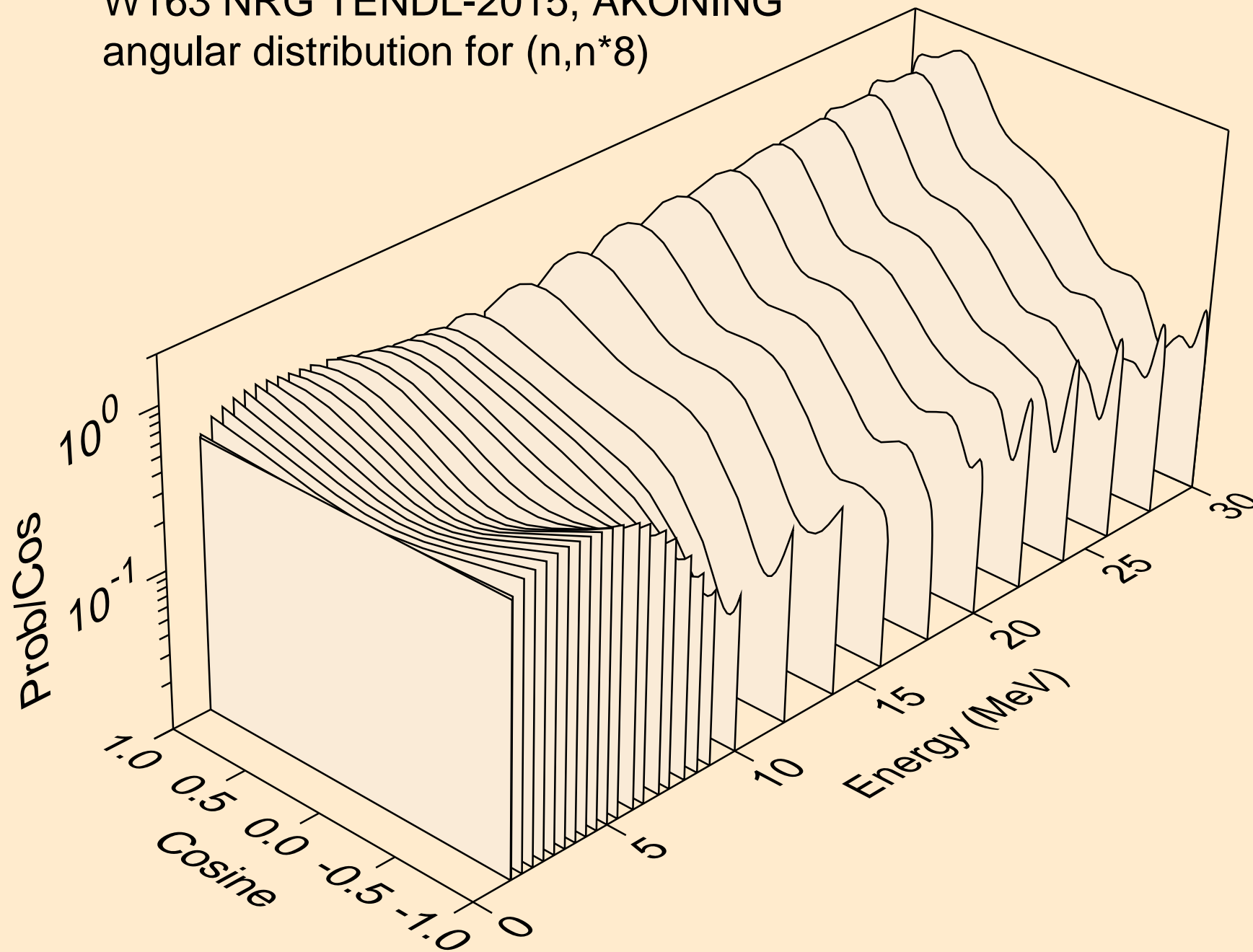
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



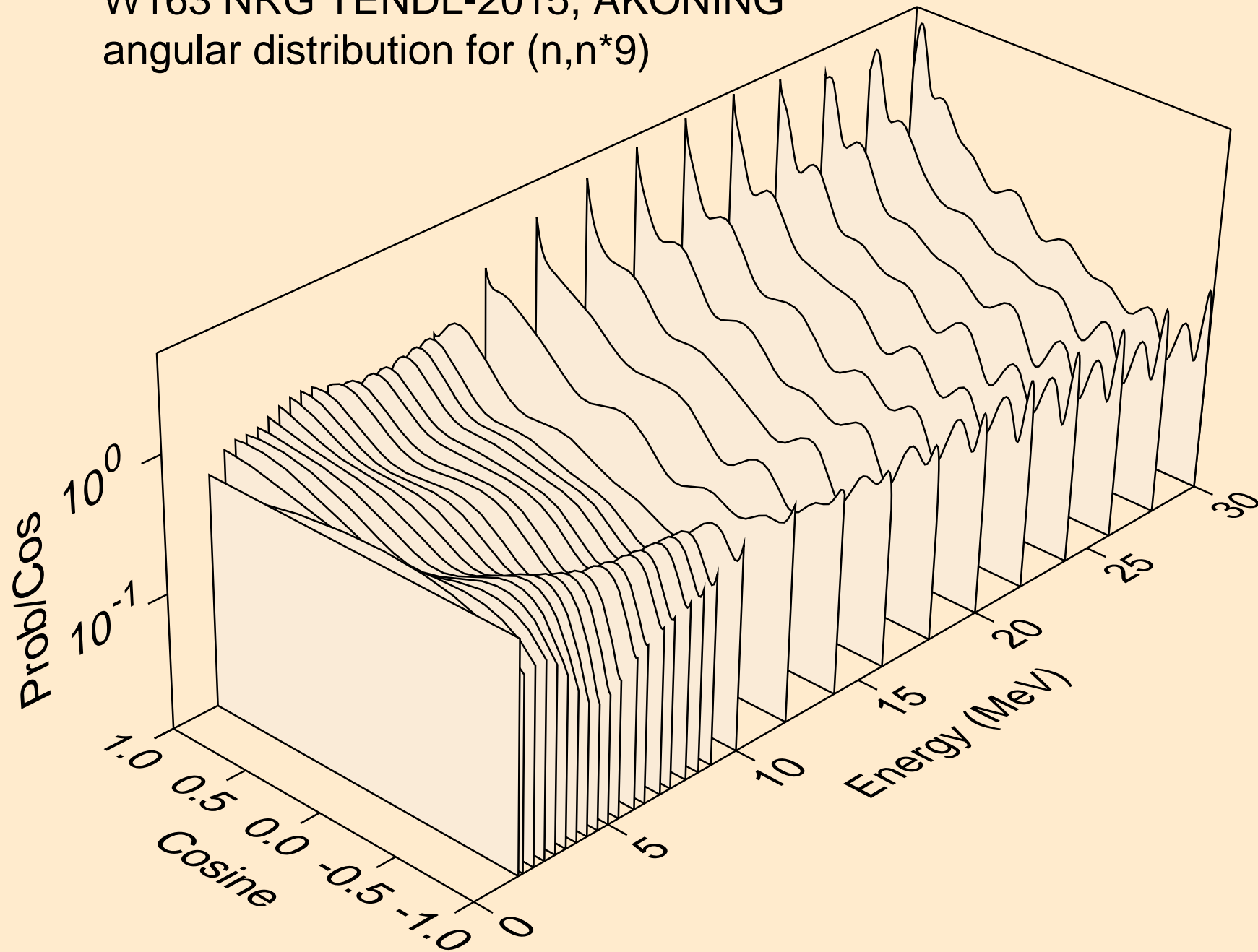
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

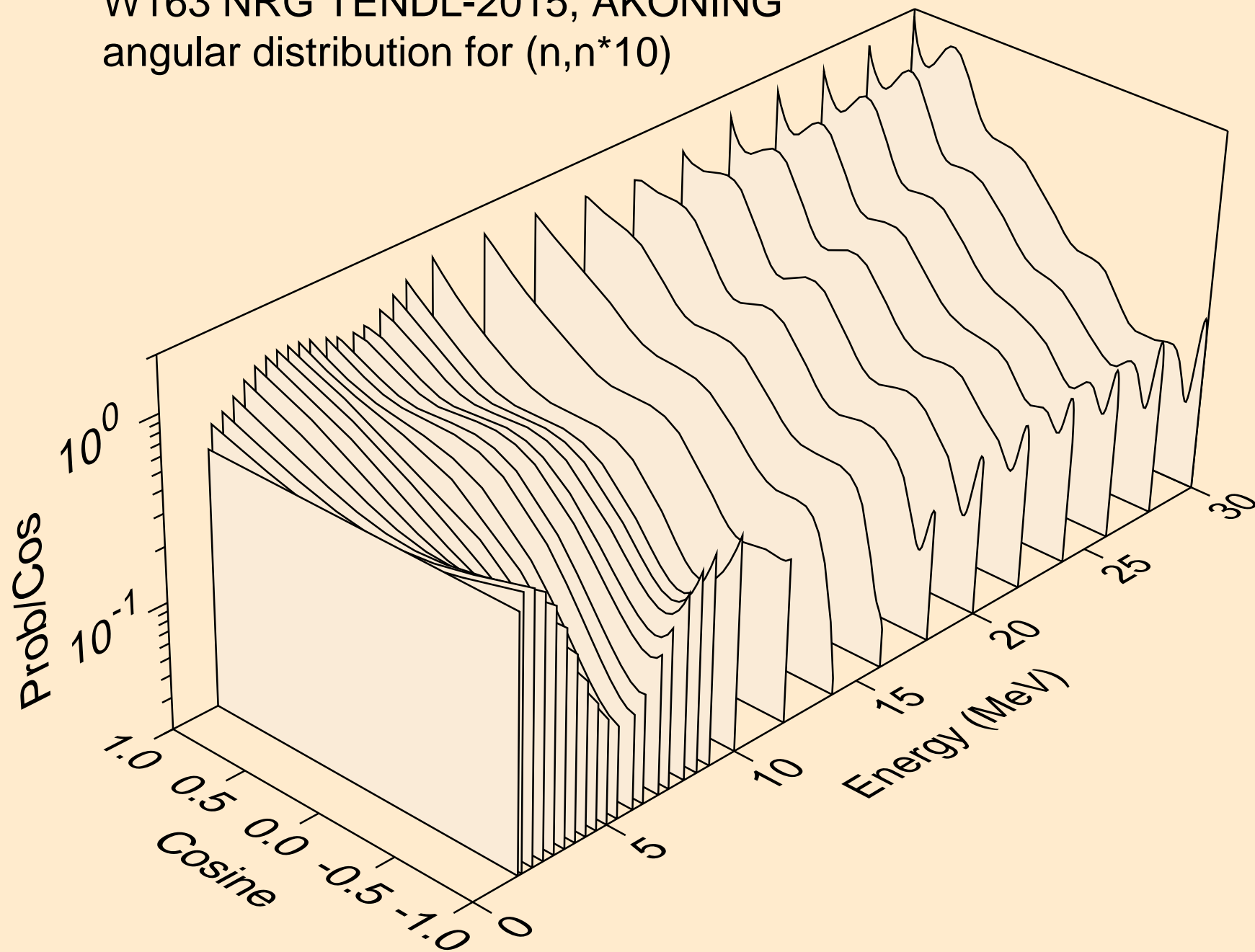


W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)

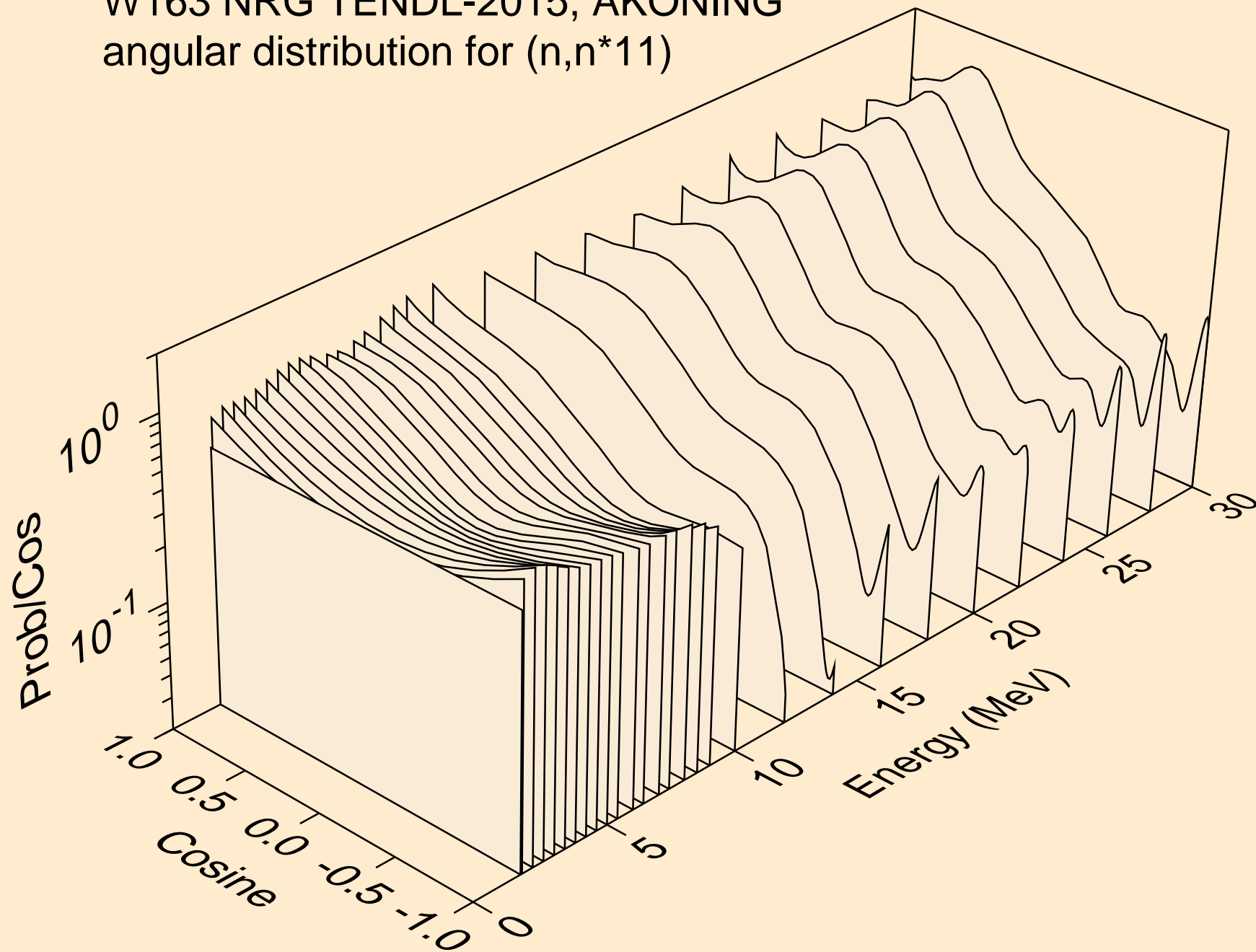




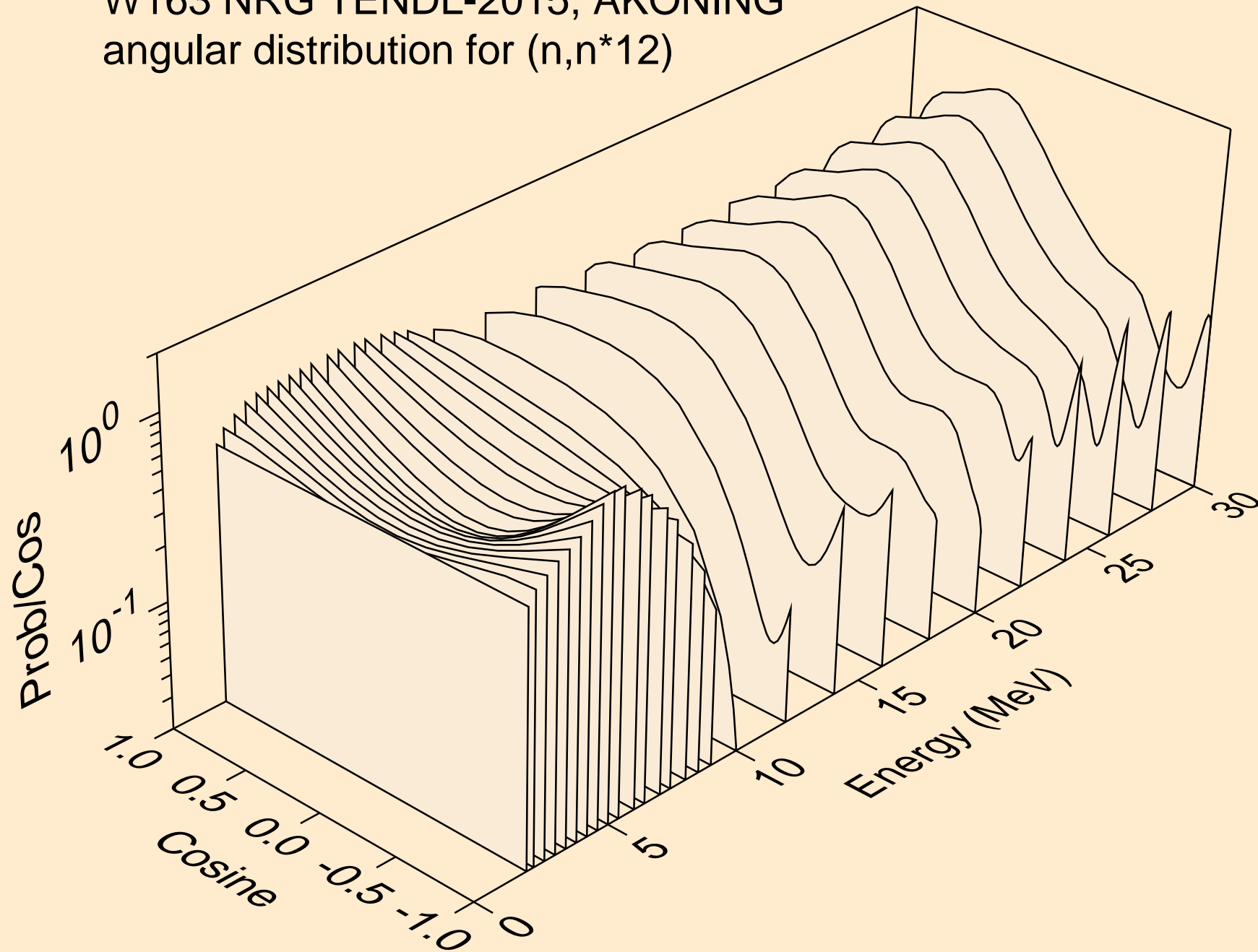
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



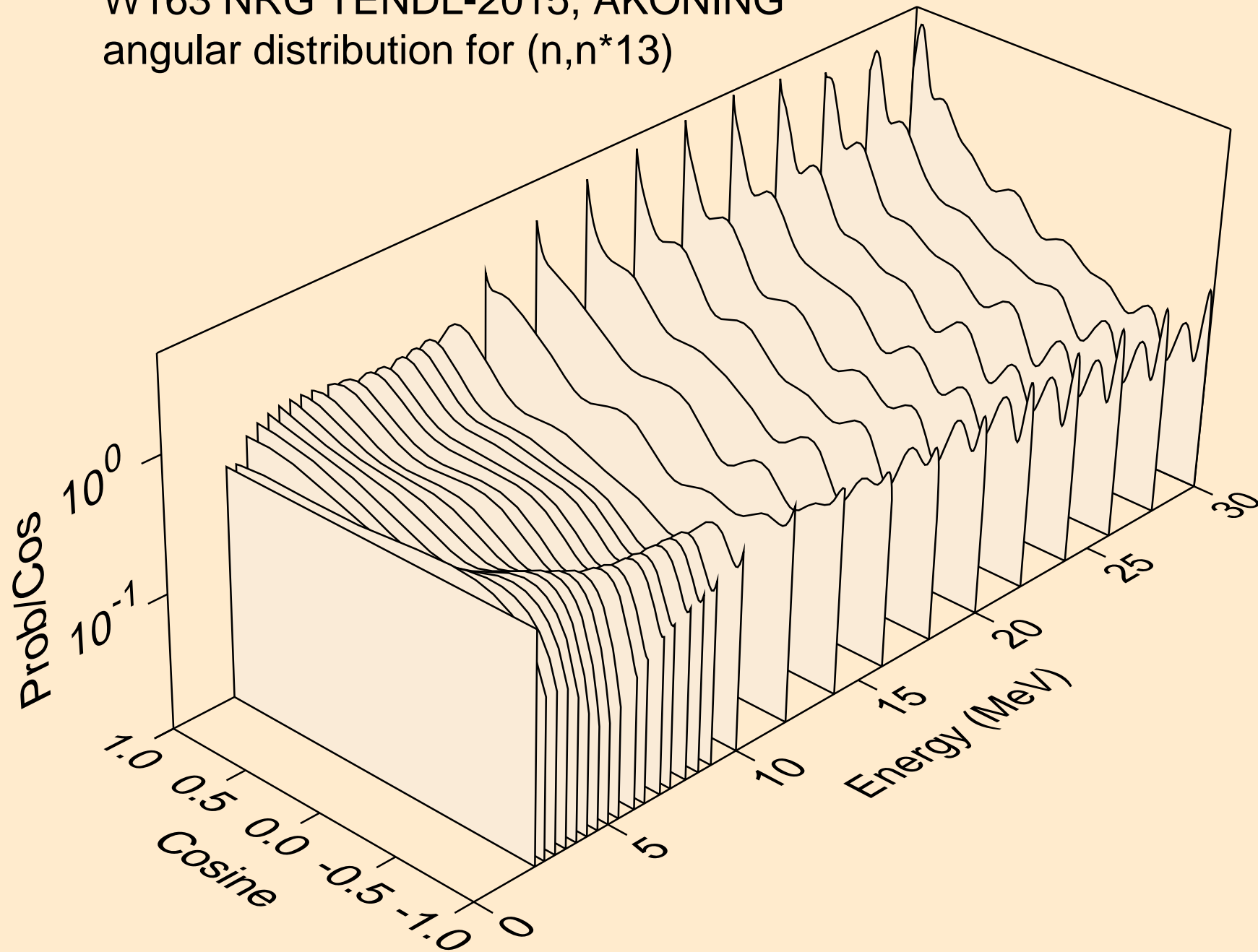
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



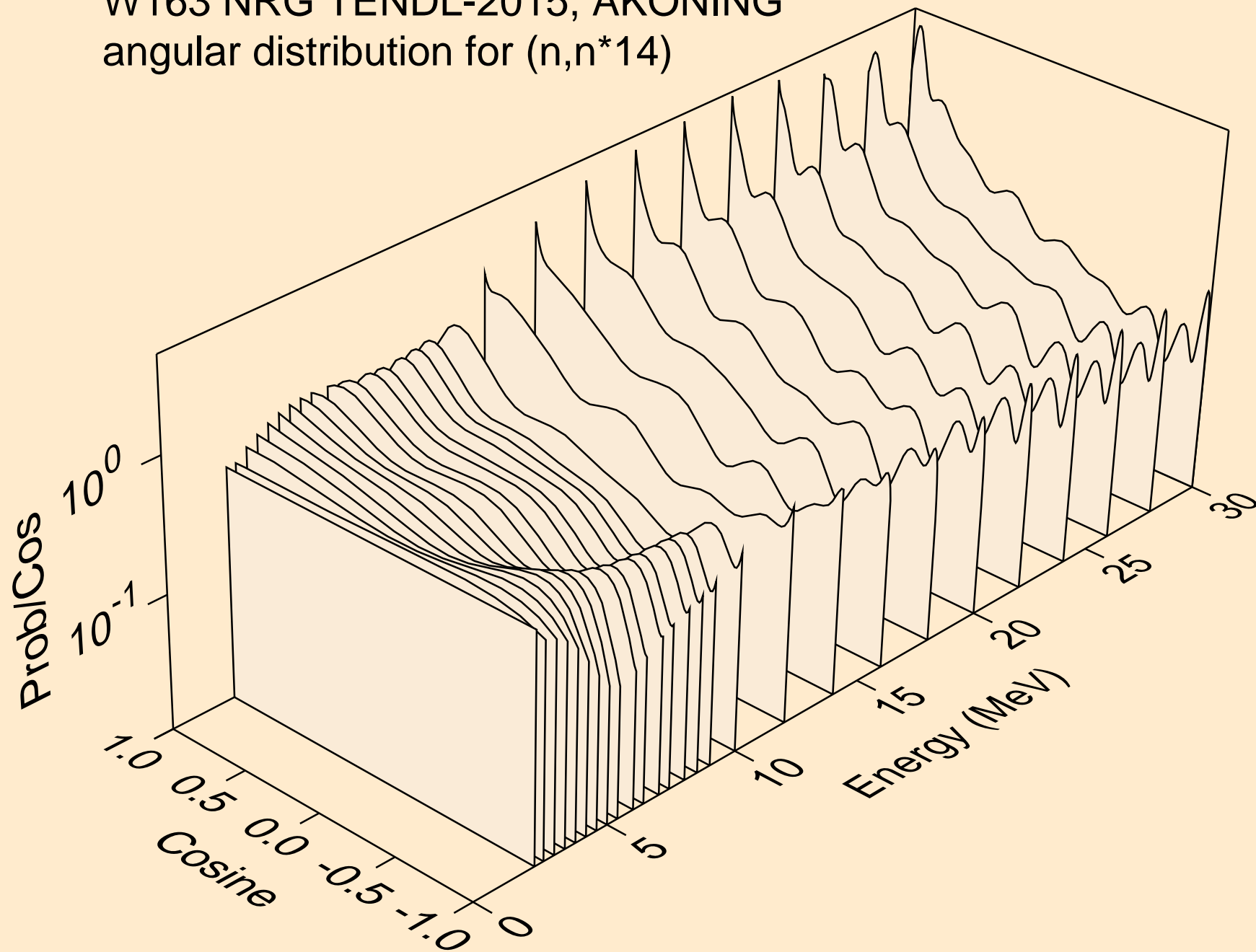
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



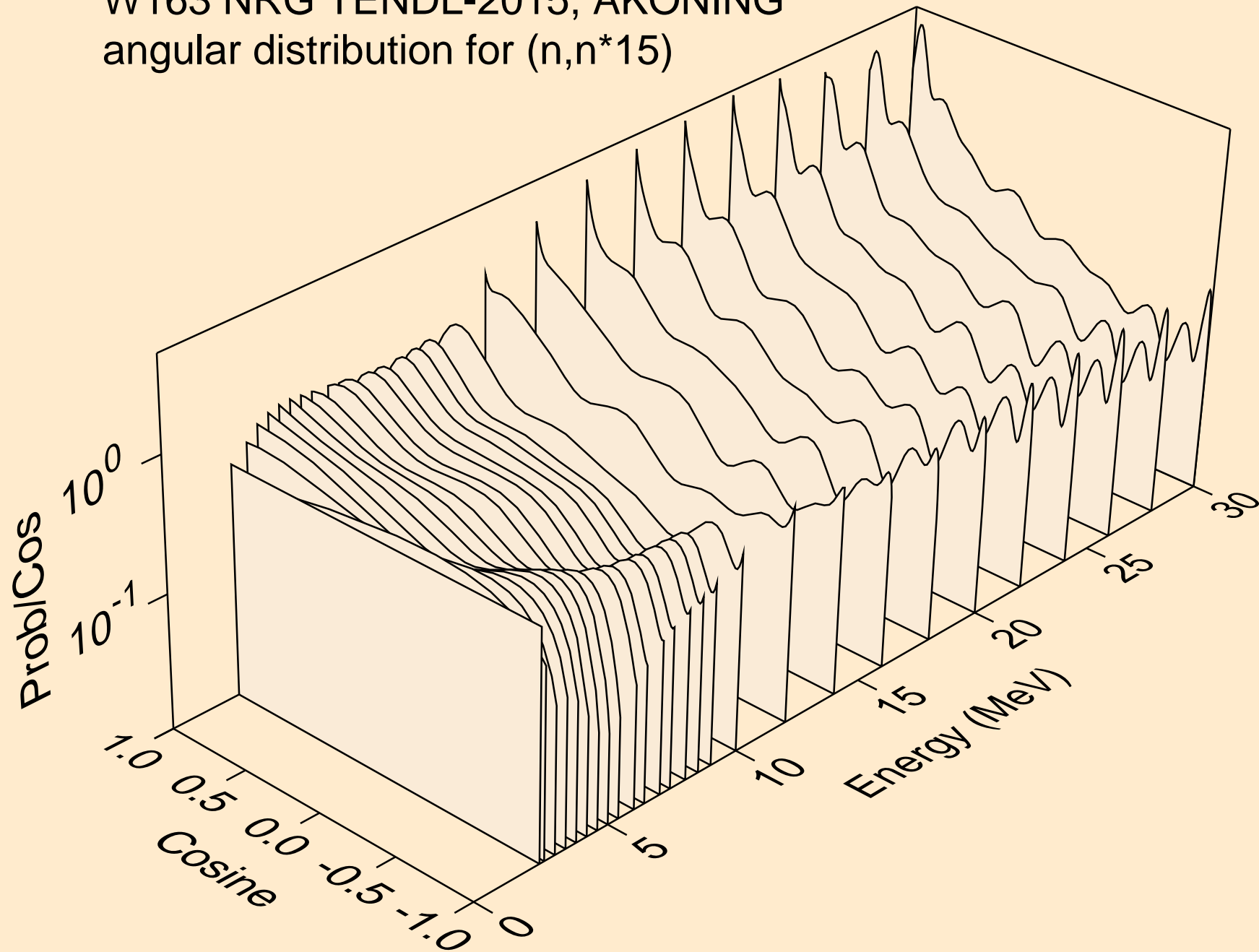
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



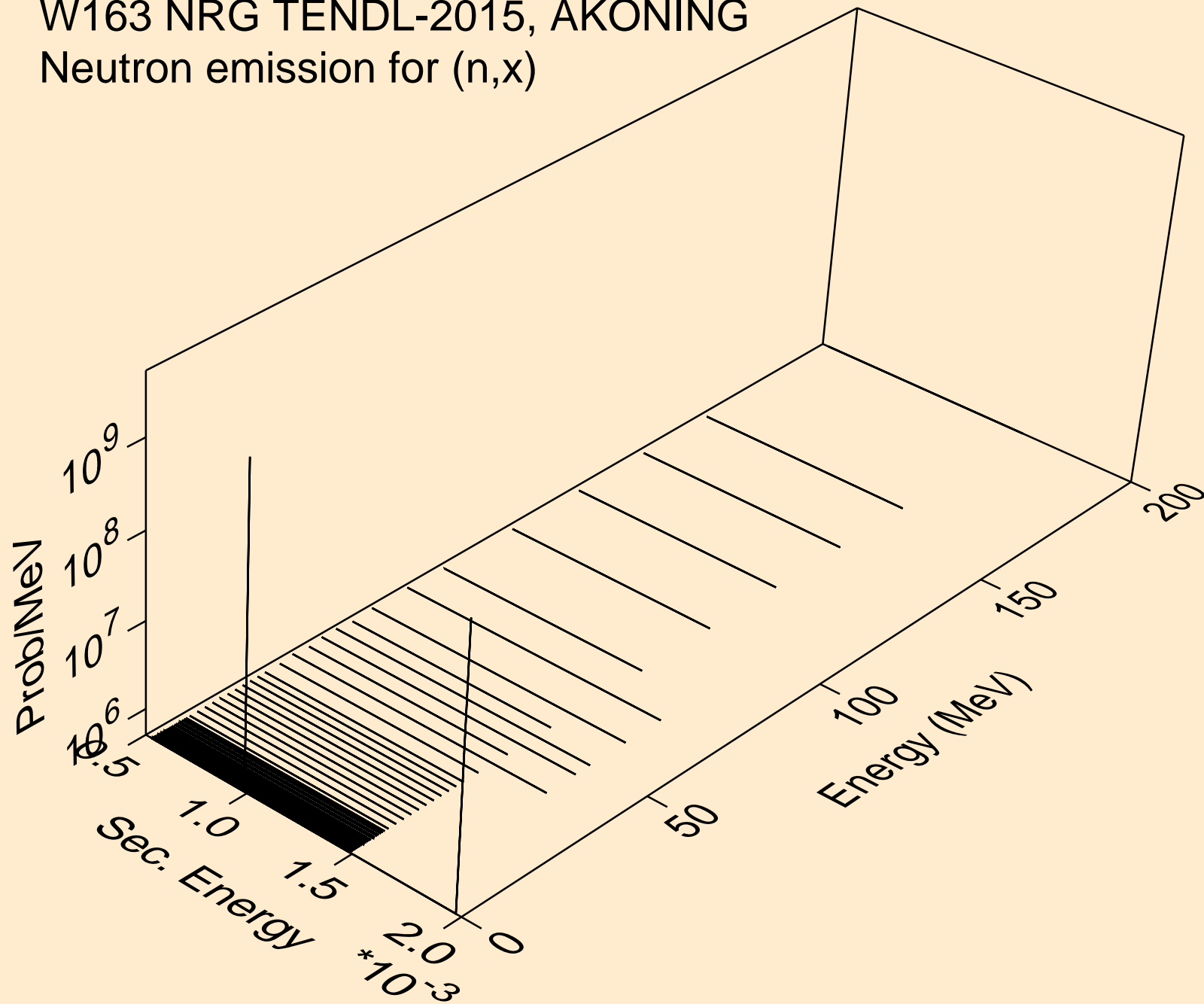
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



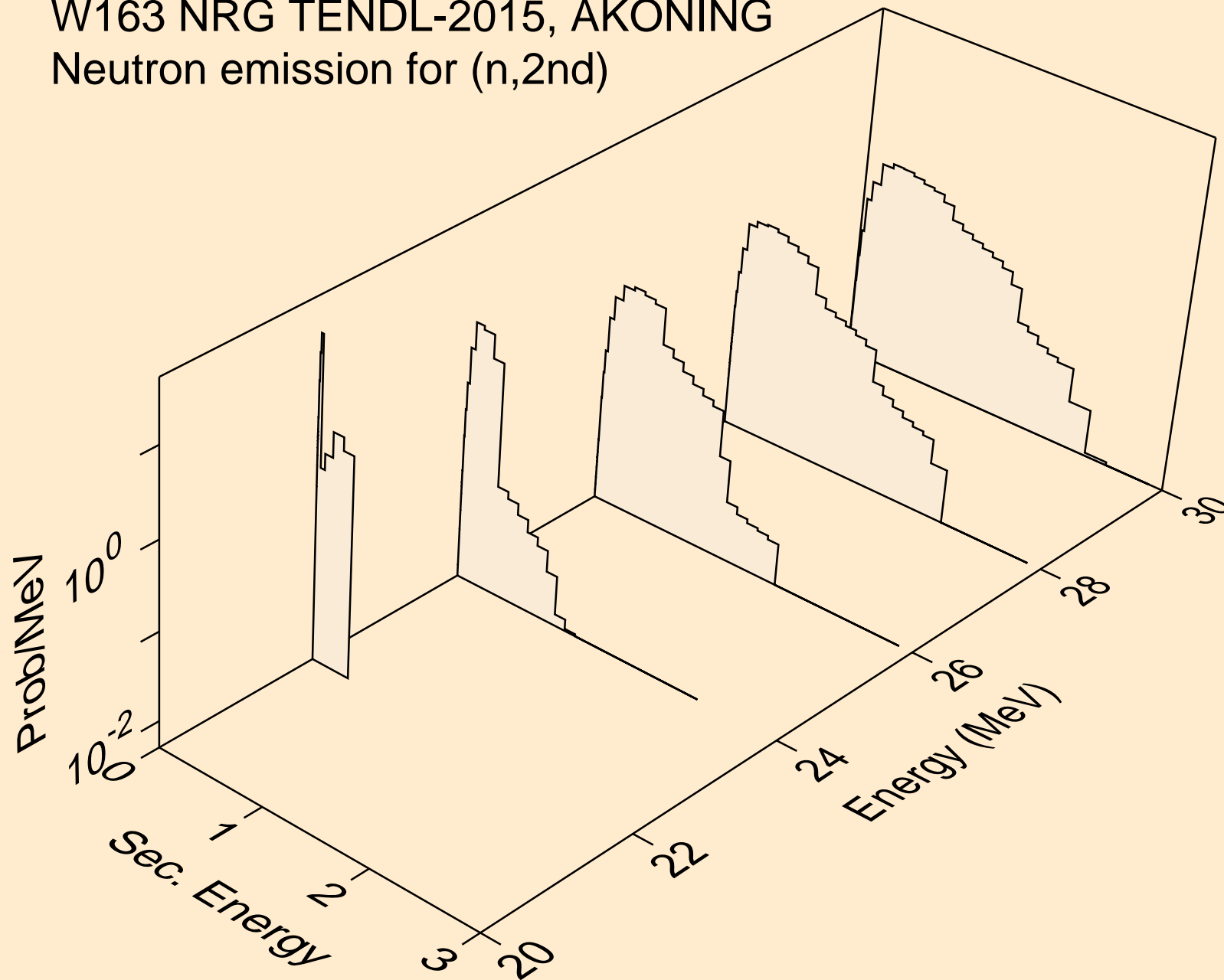
W163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

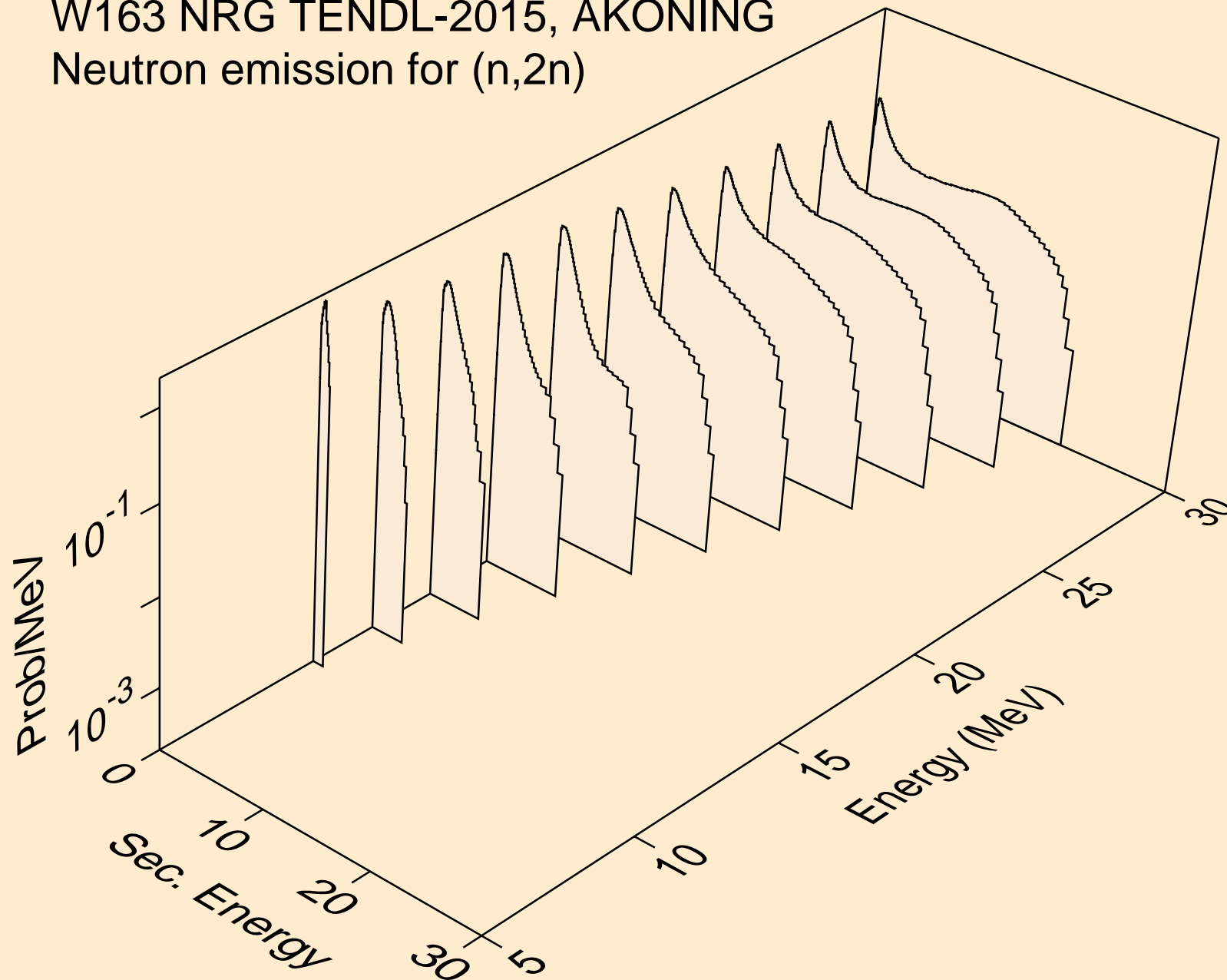


W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

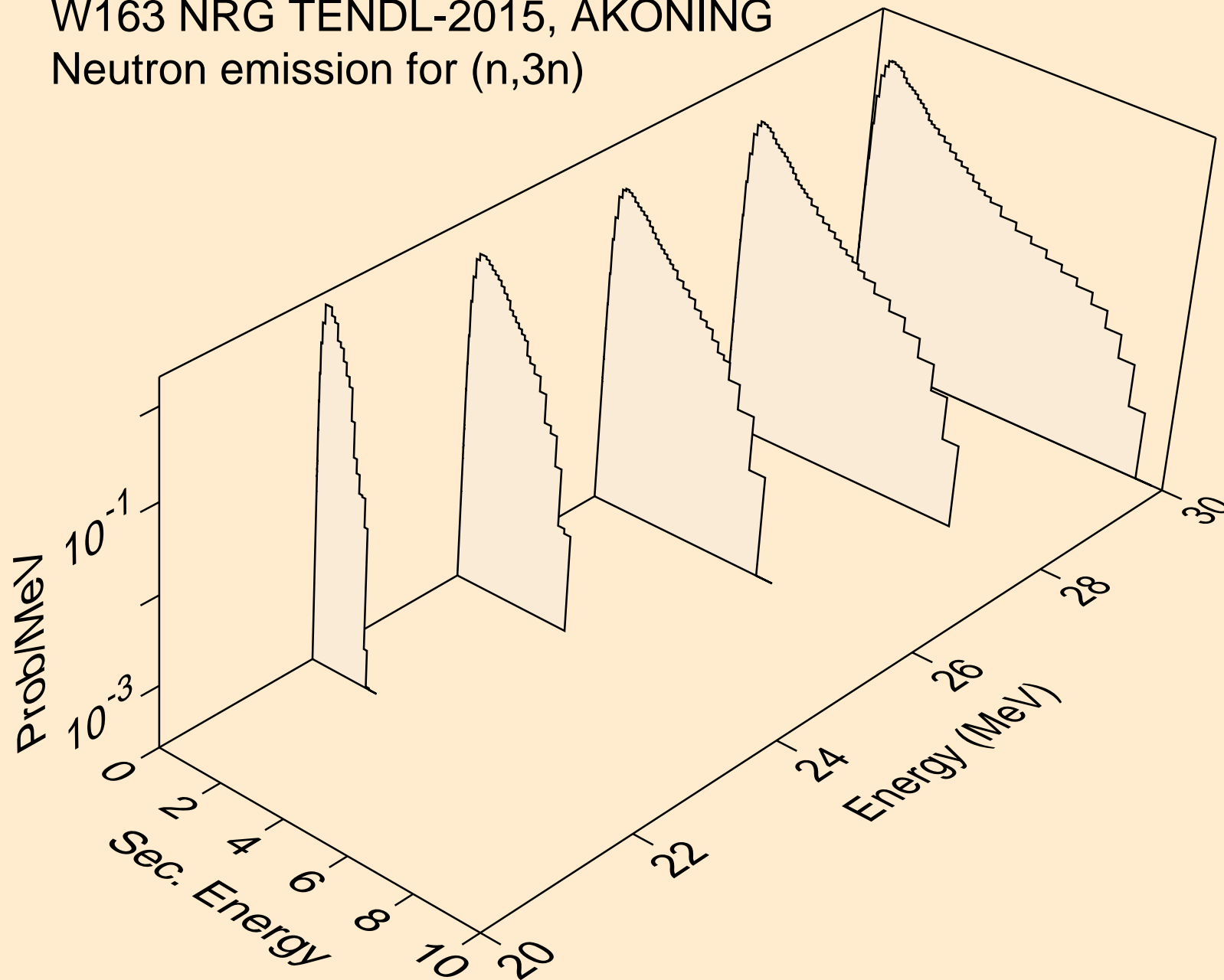




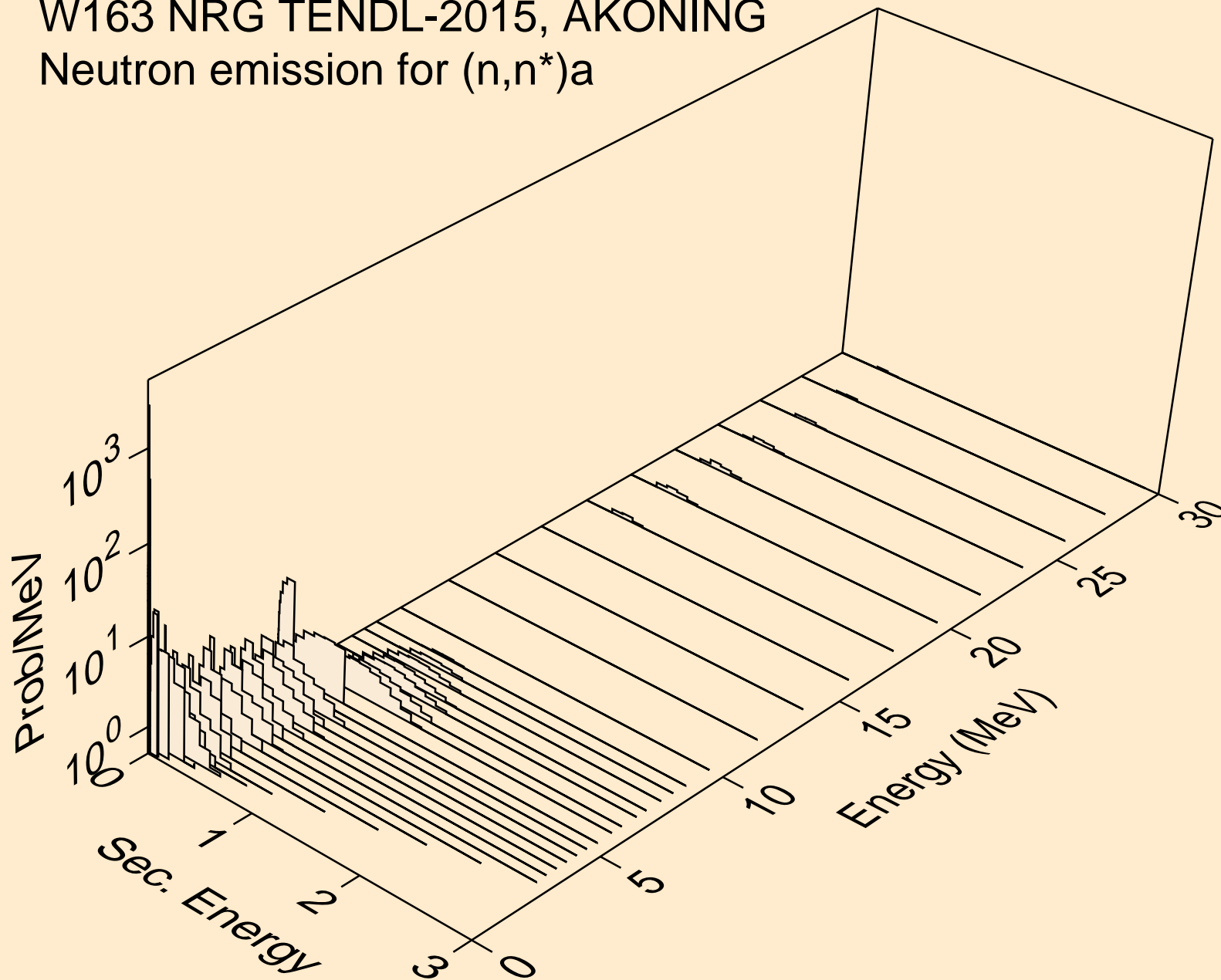
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



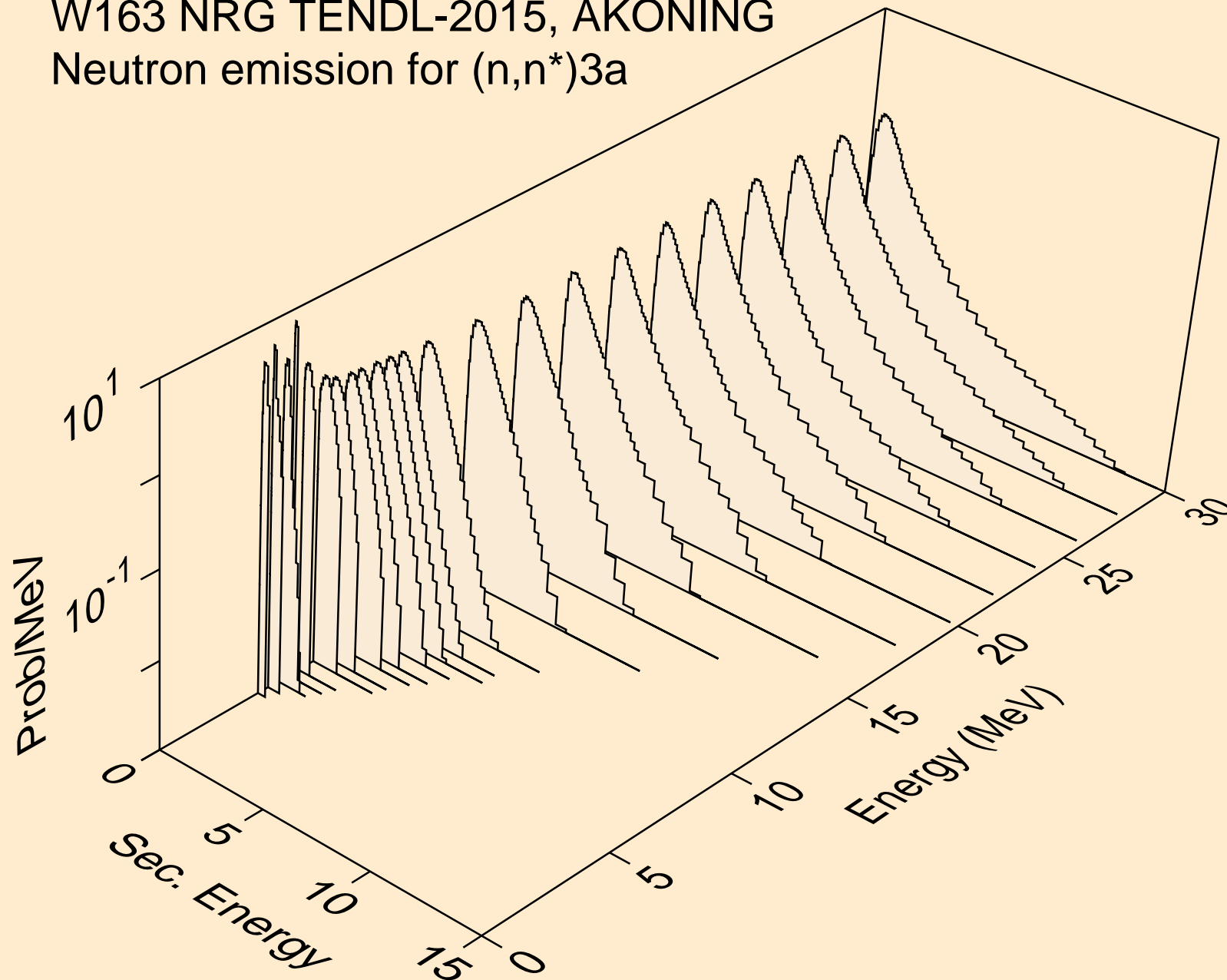
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



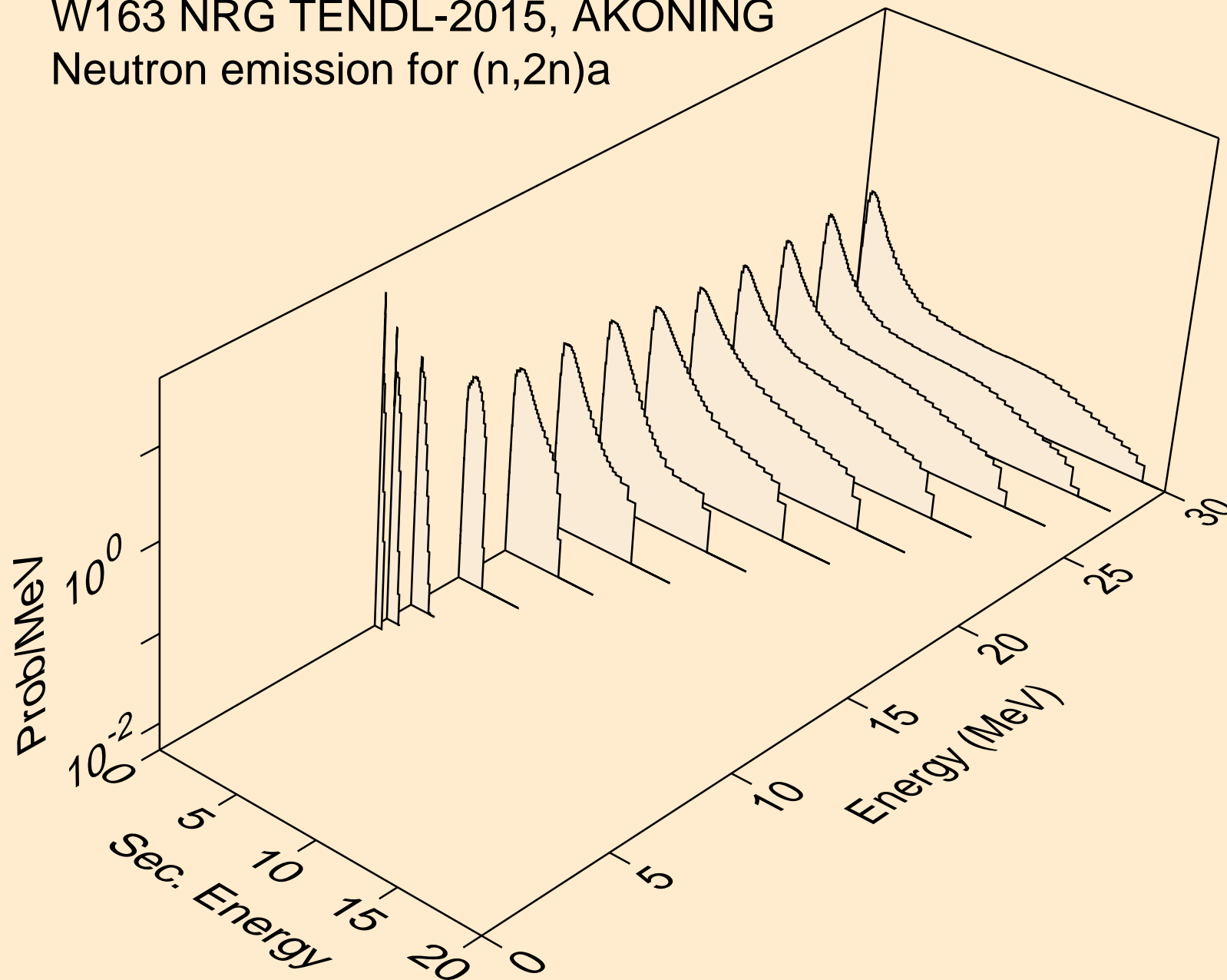
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



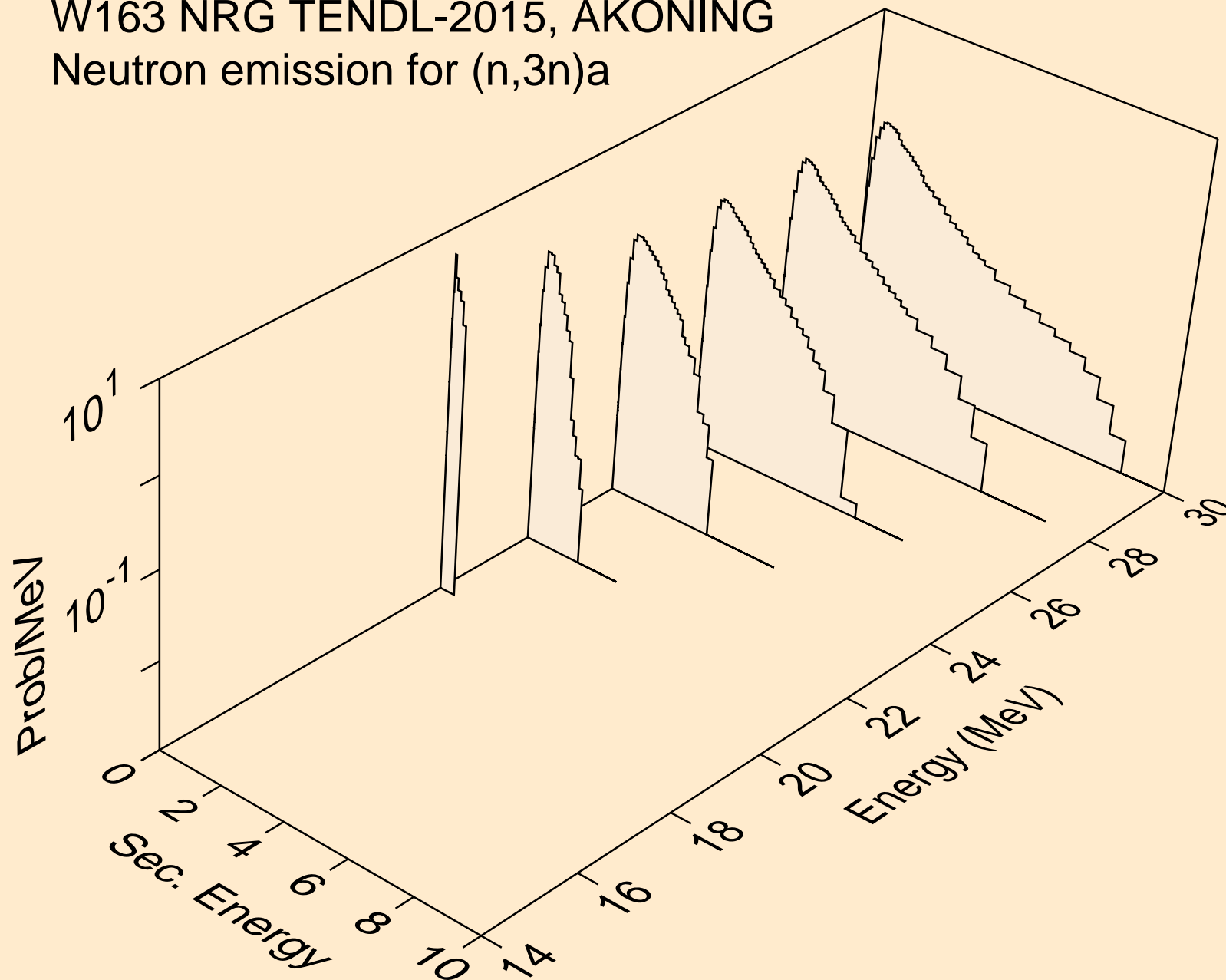
W163 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)^{3a}$



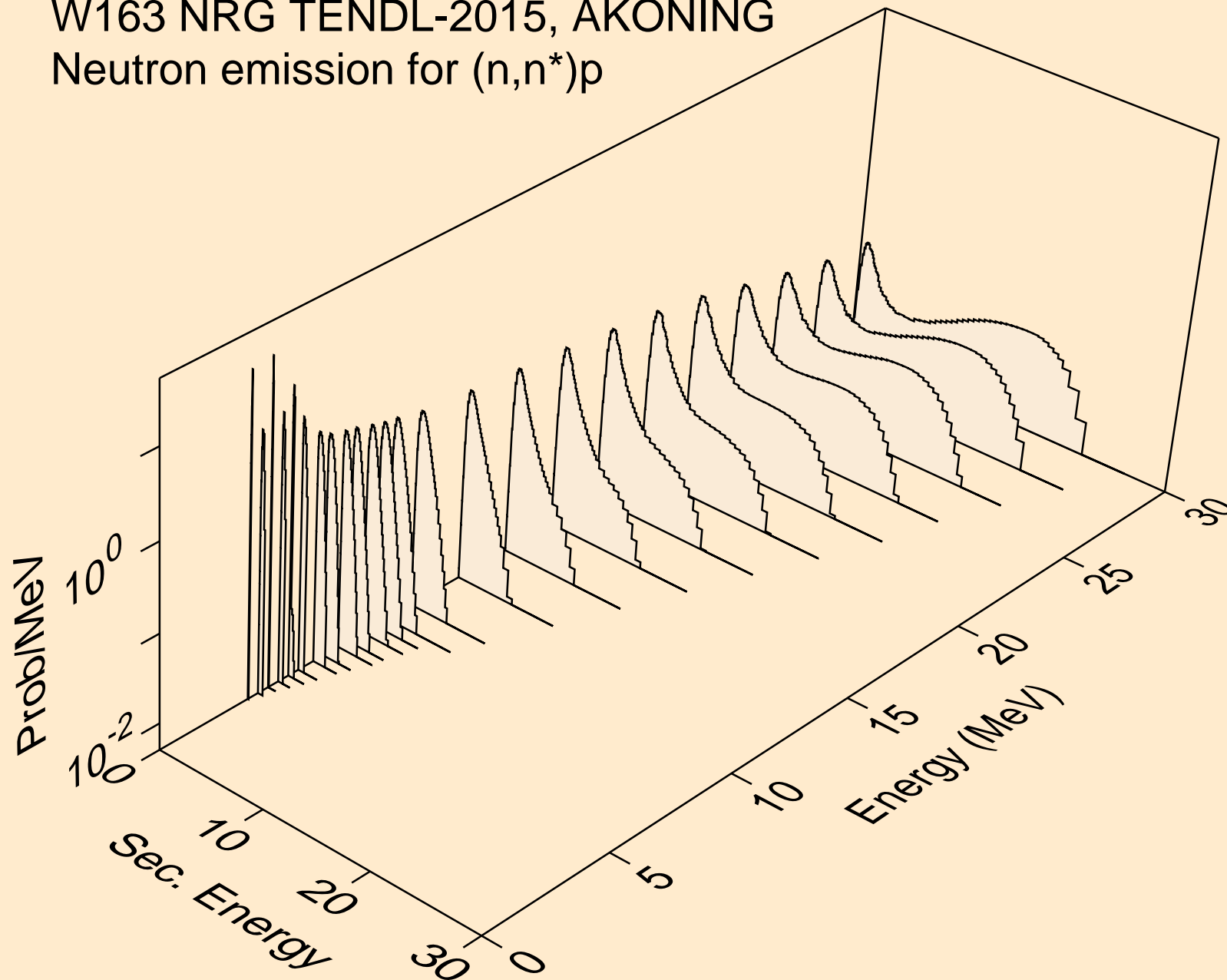
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



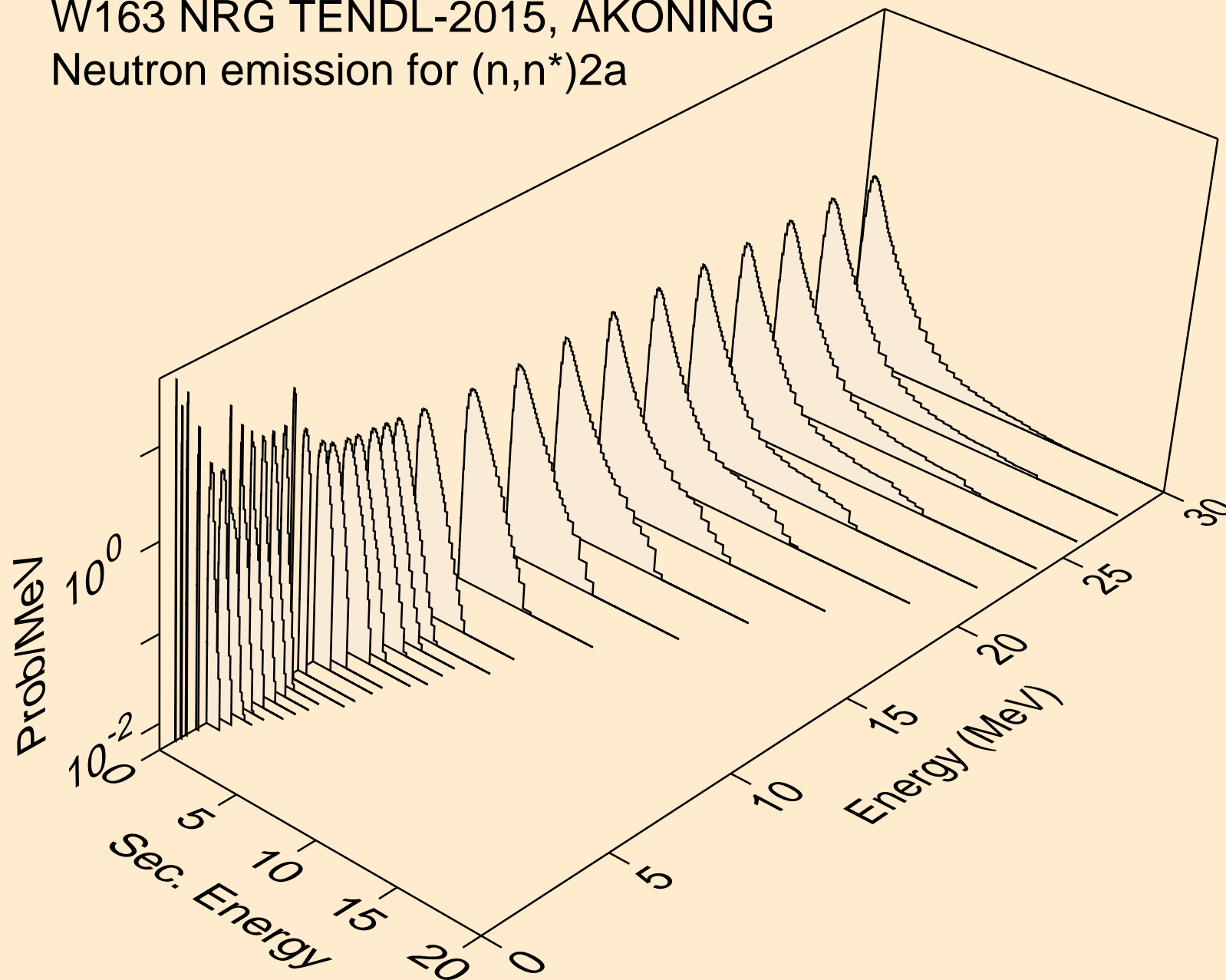
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



W163 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$

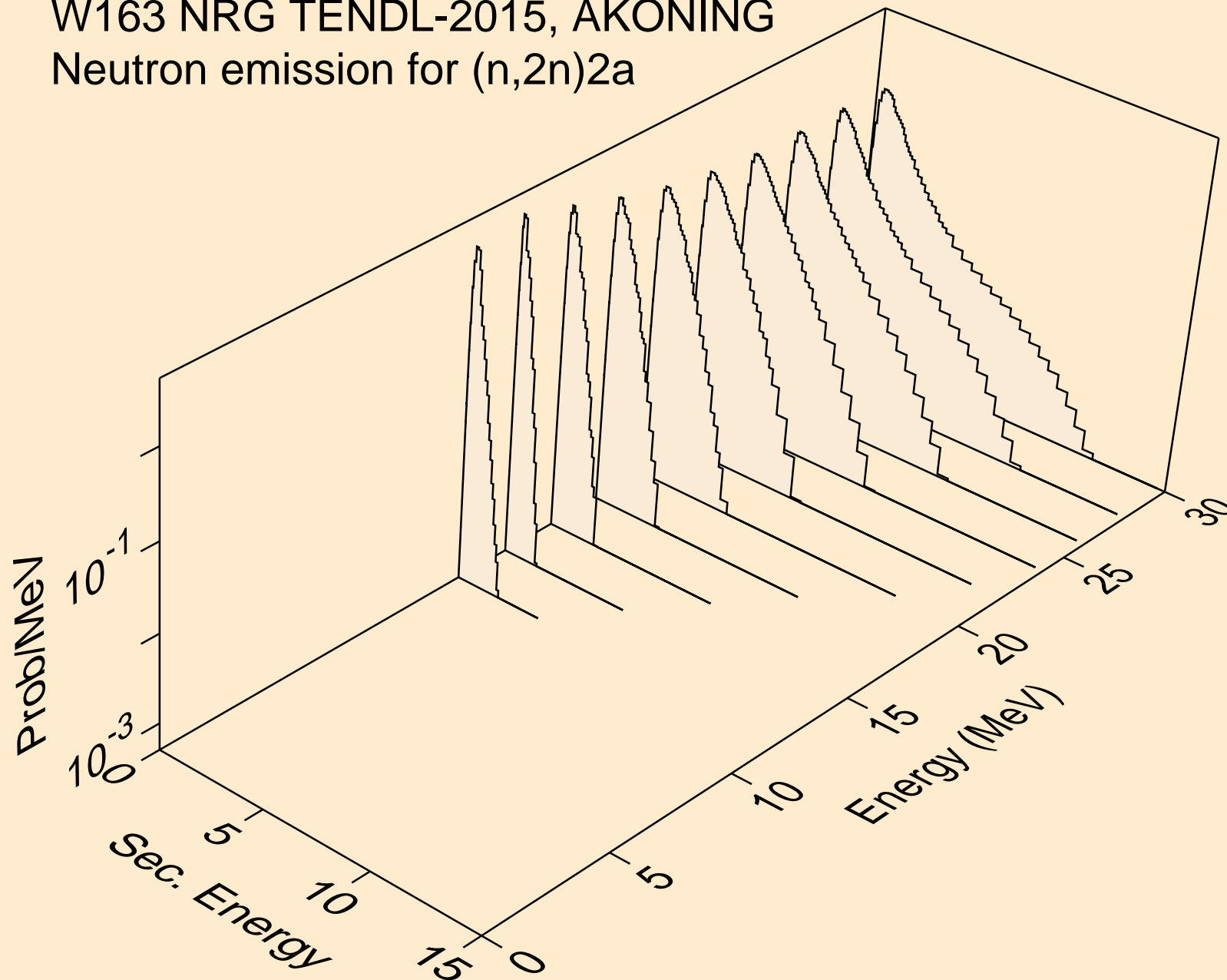


W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

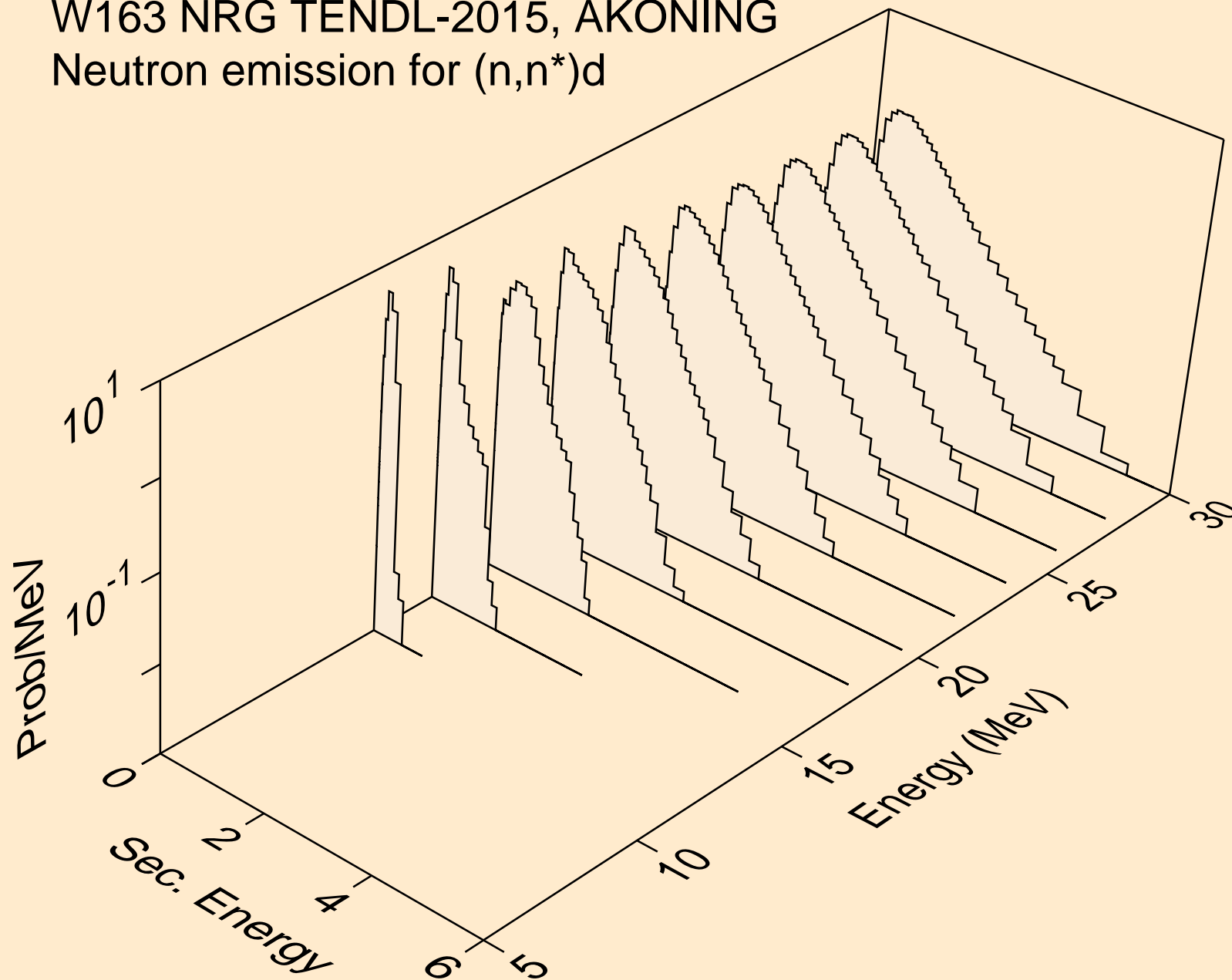




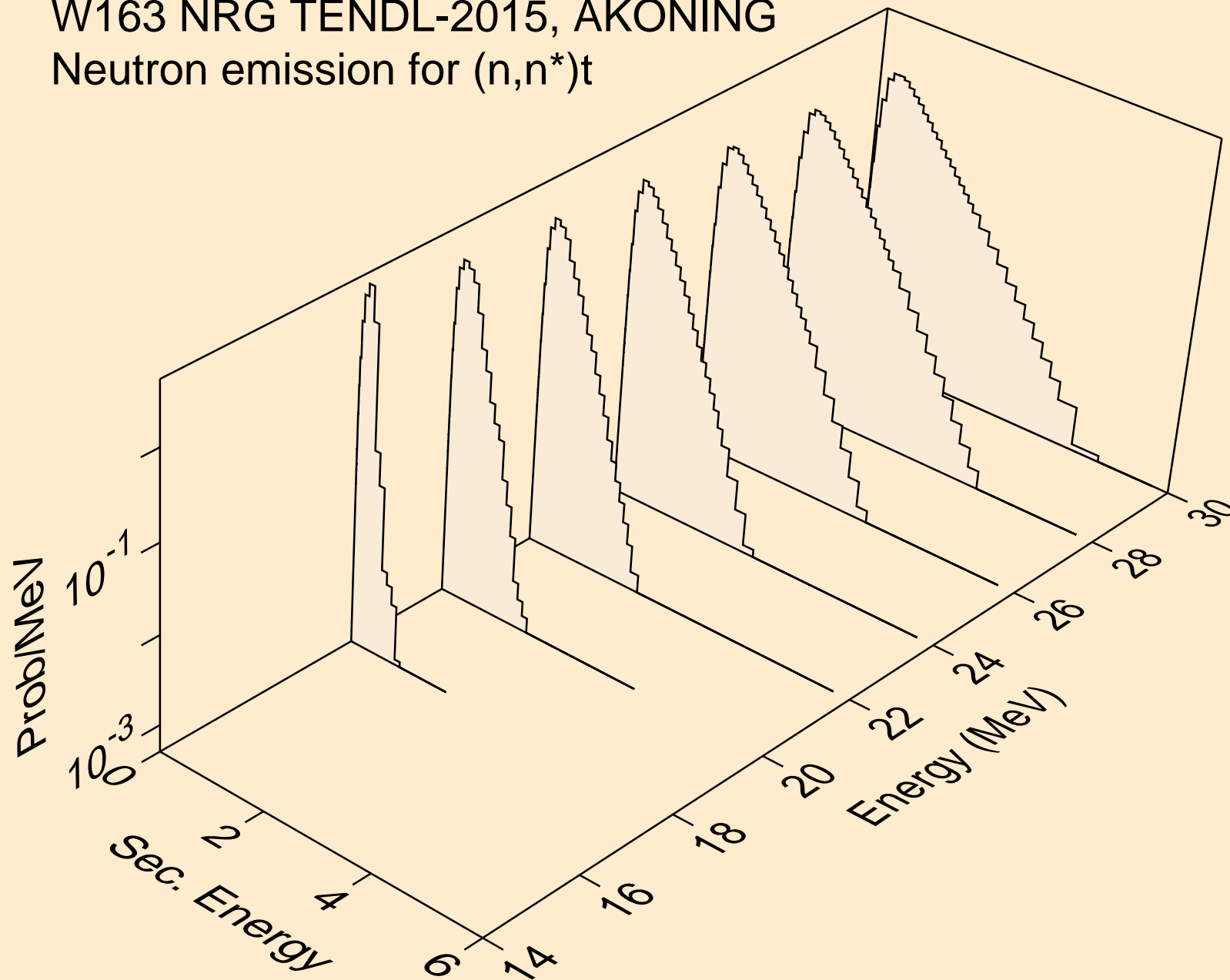
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



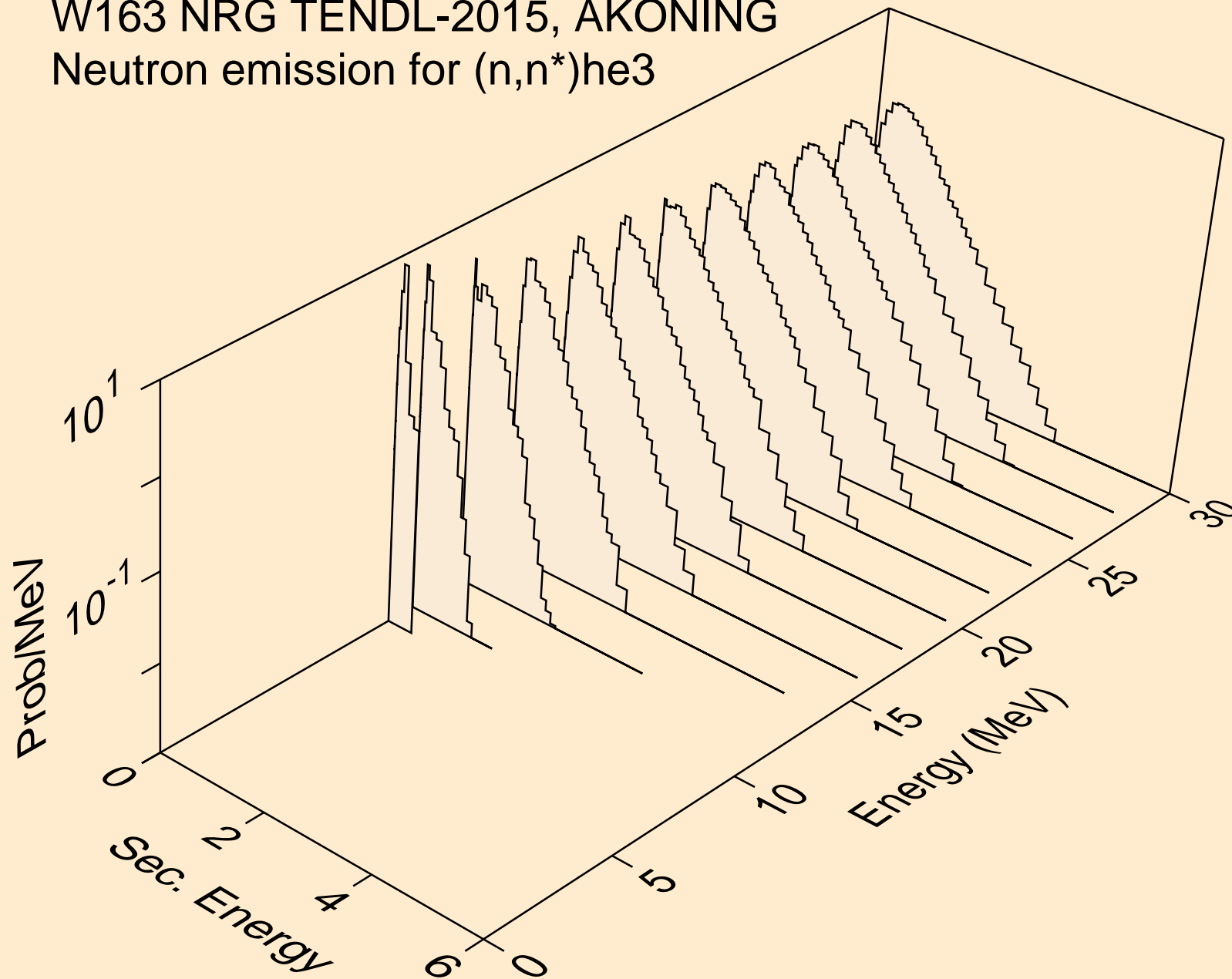
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



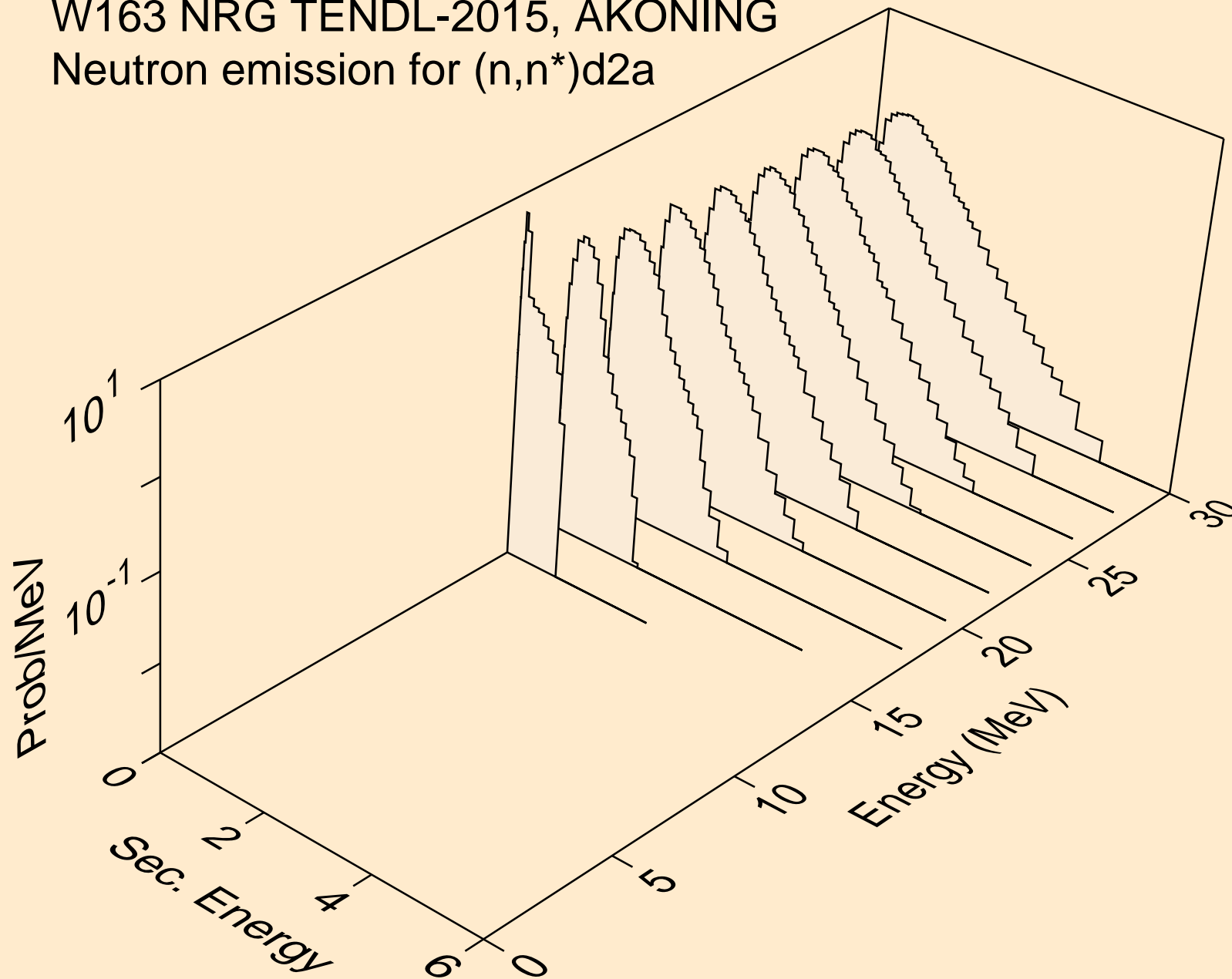
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



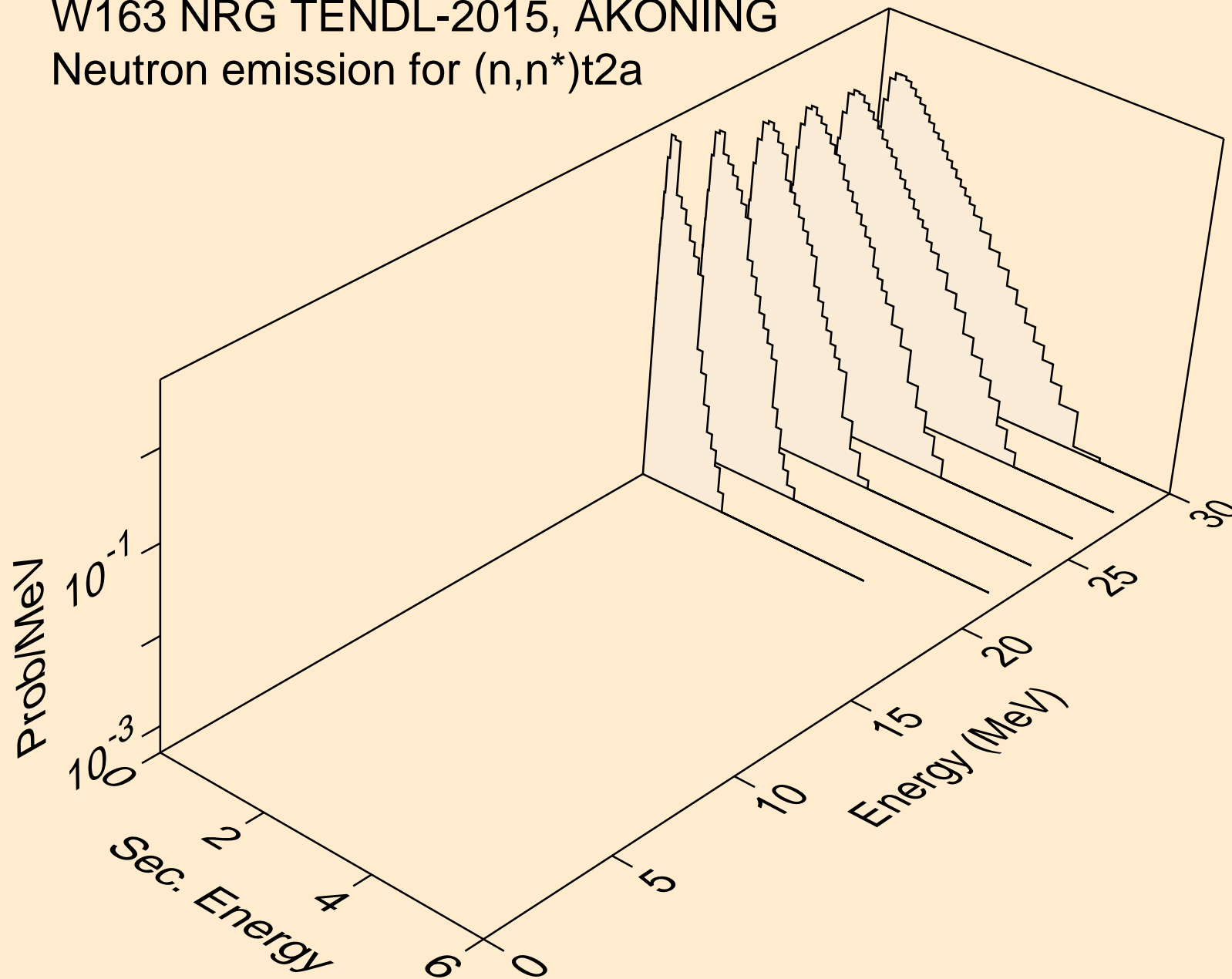
W163 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



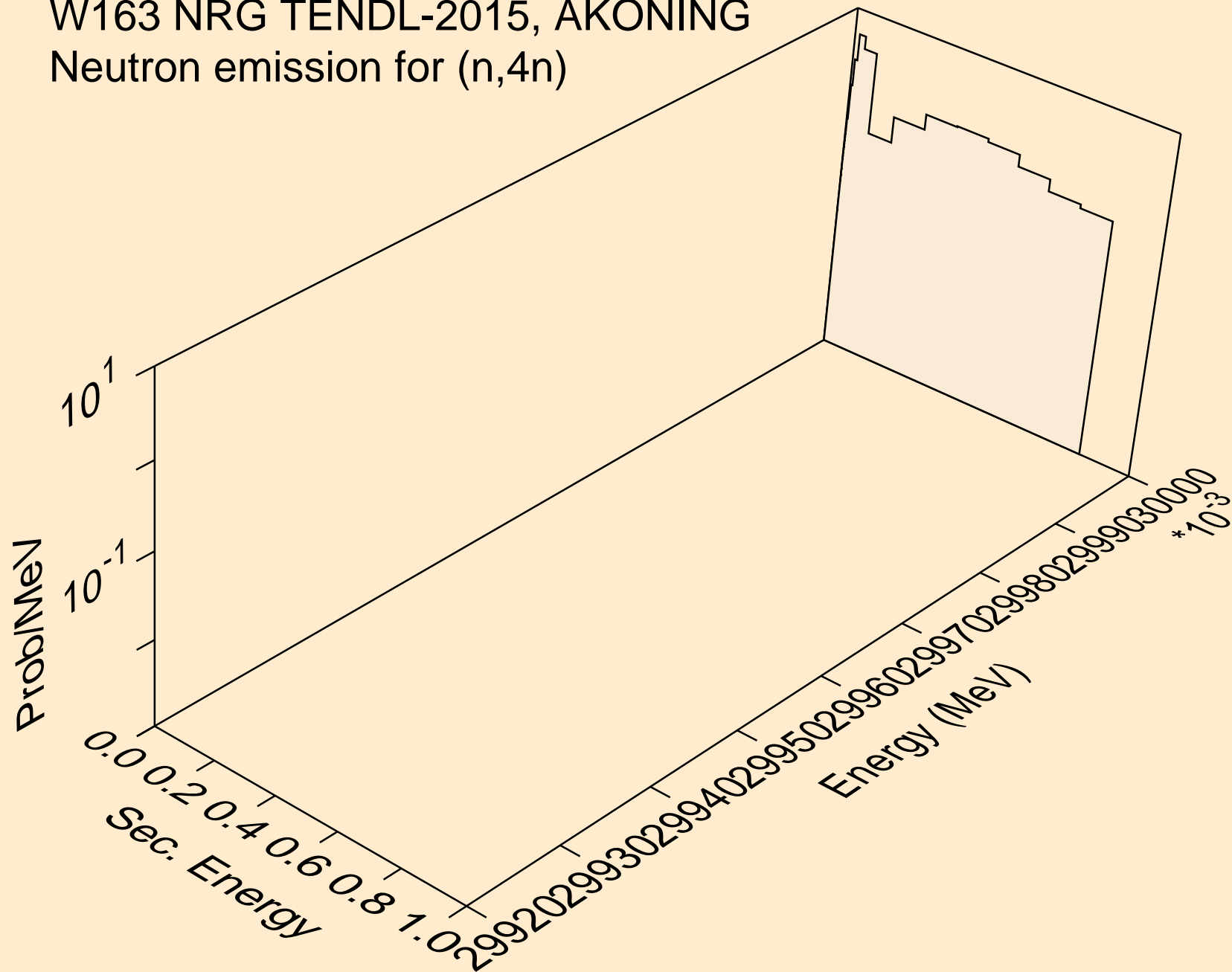
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



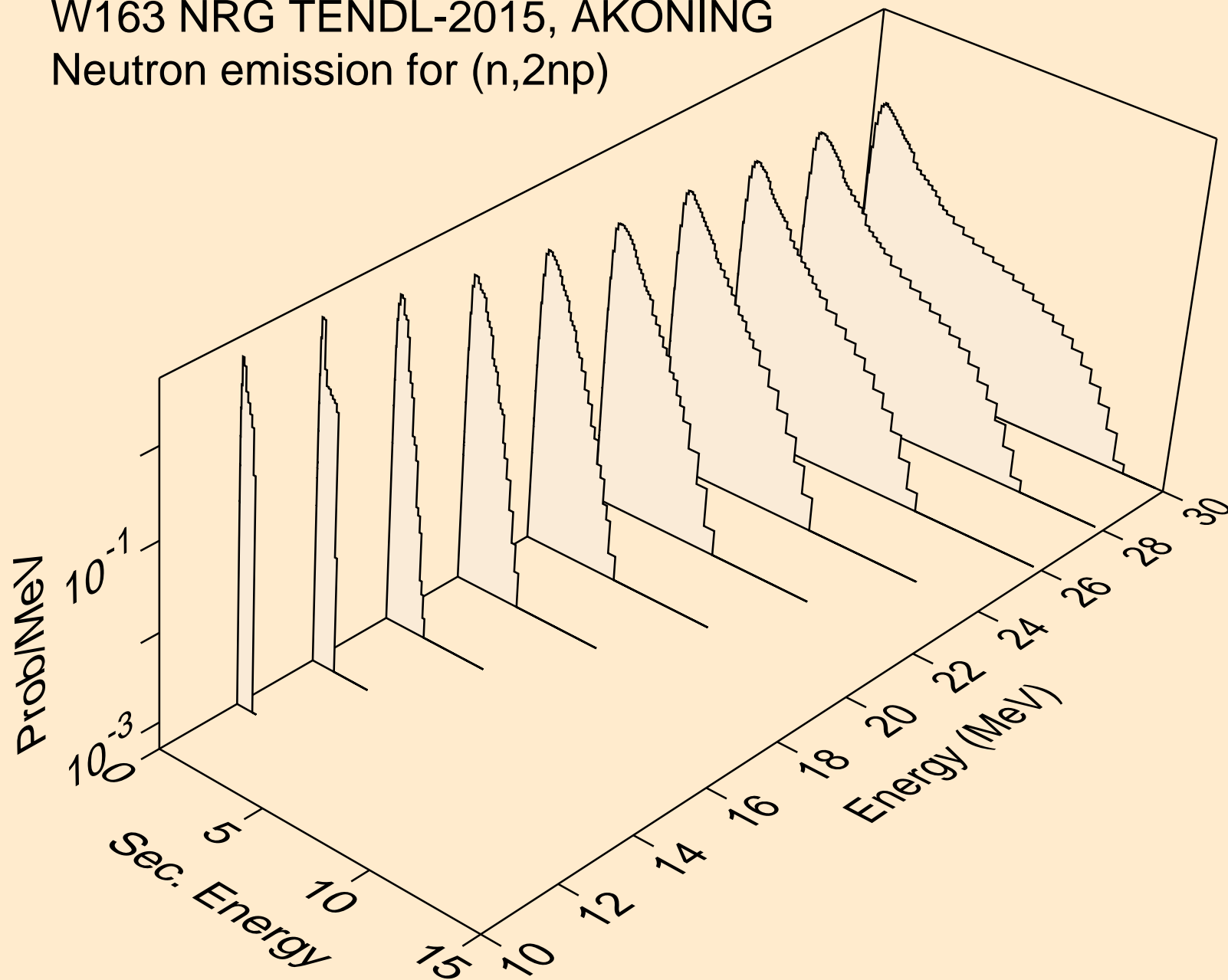
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

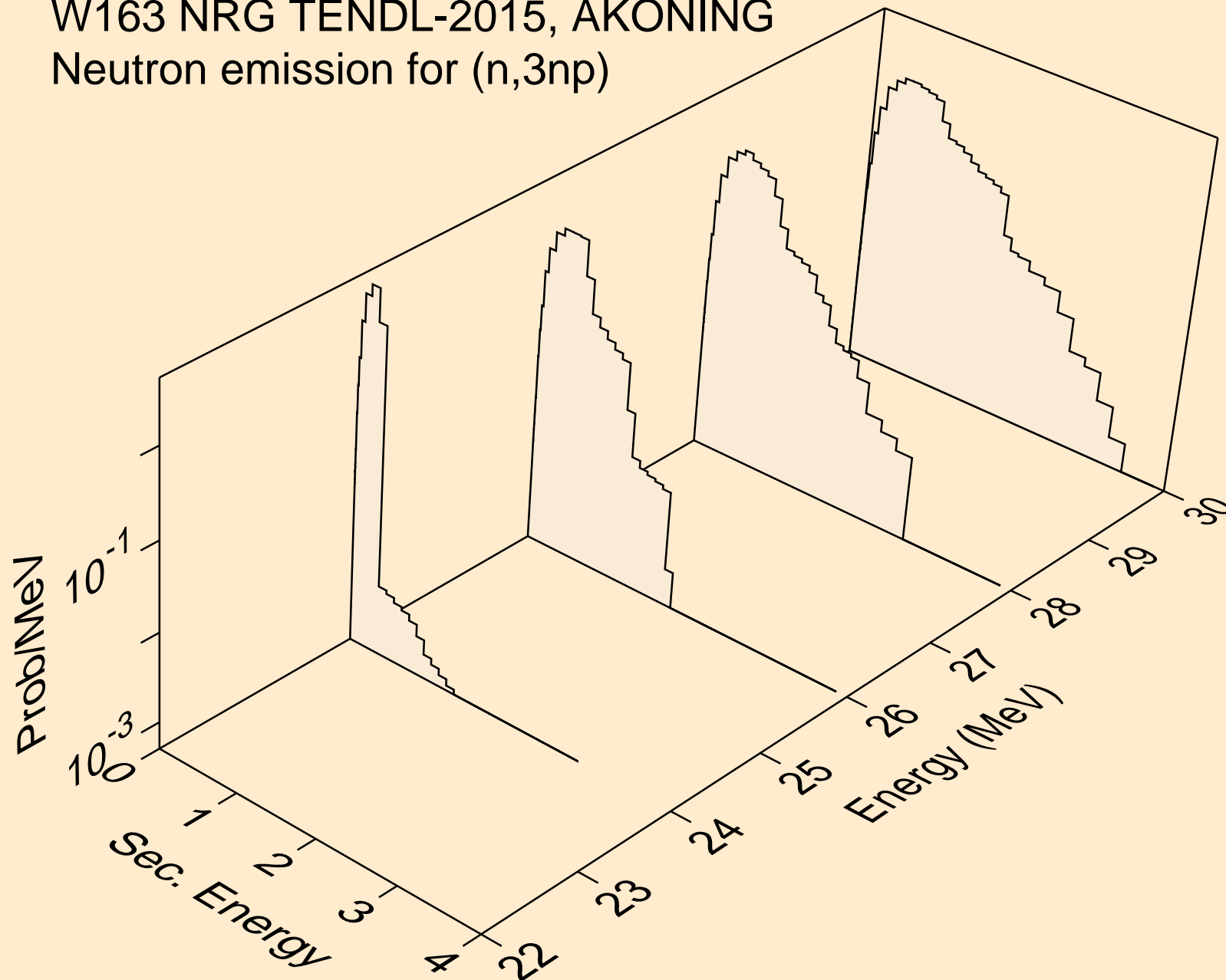


W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

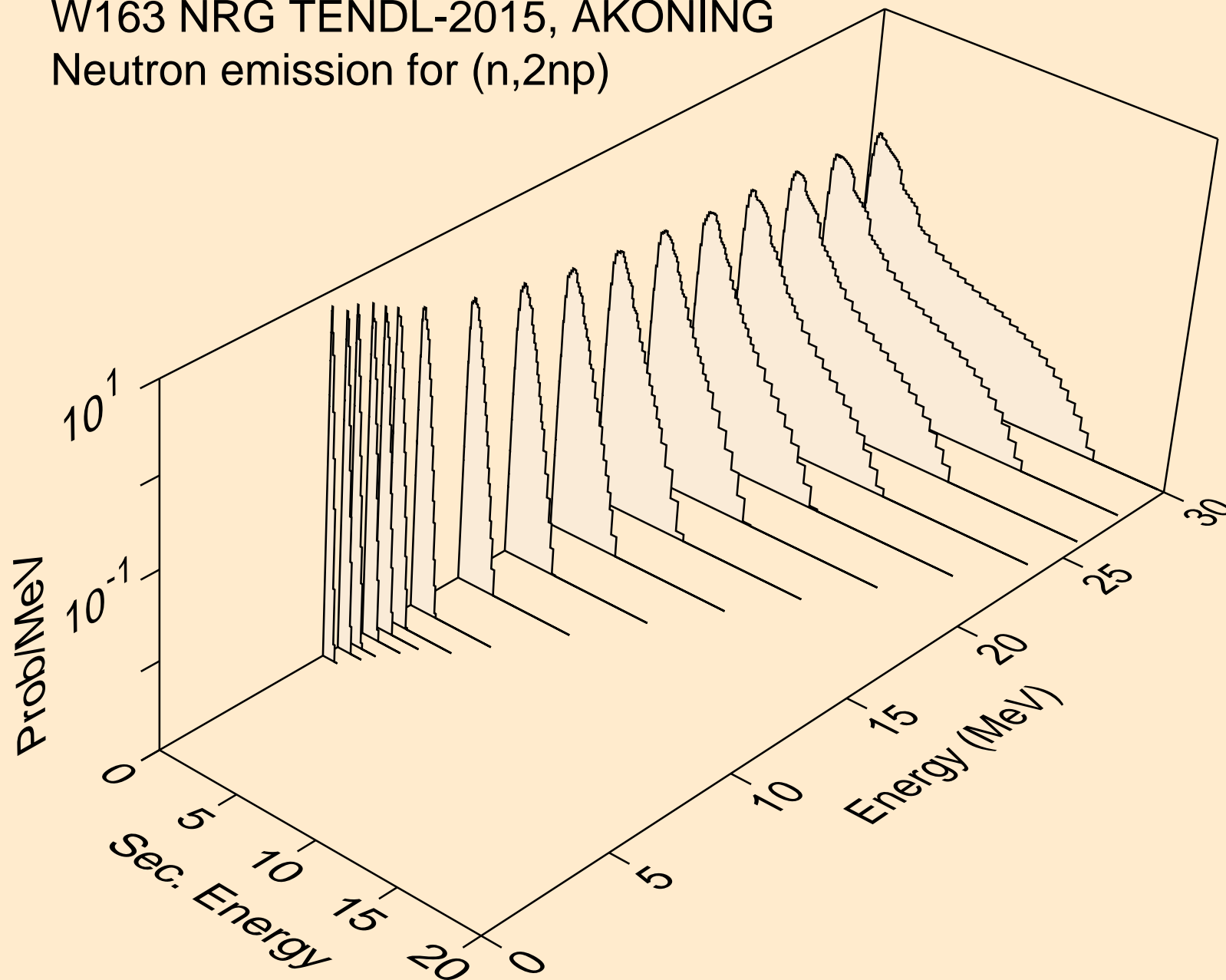




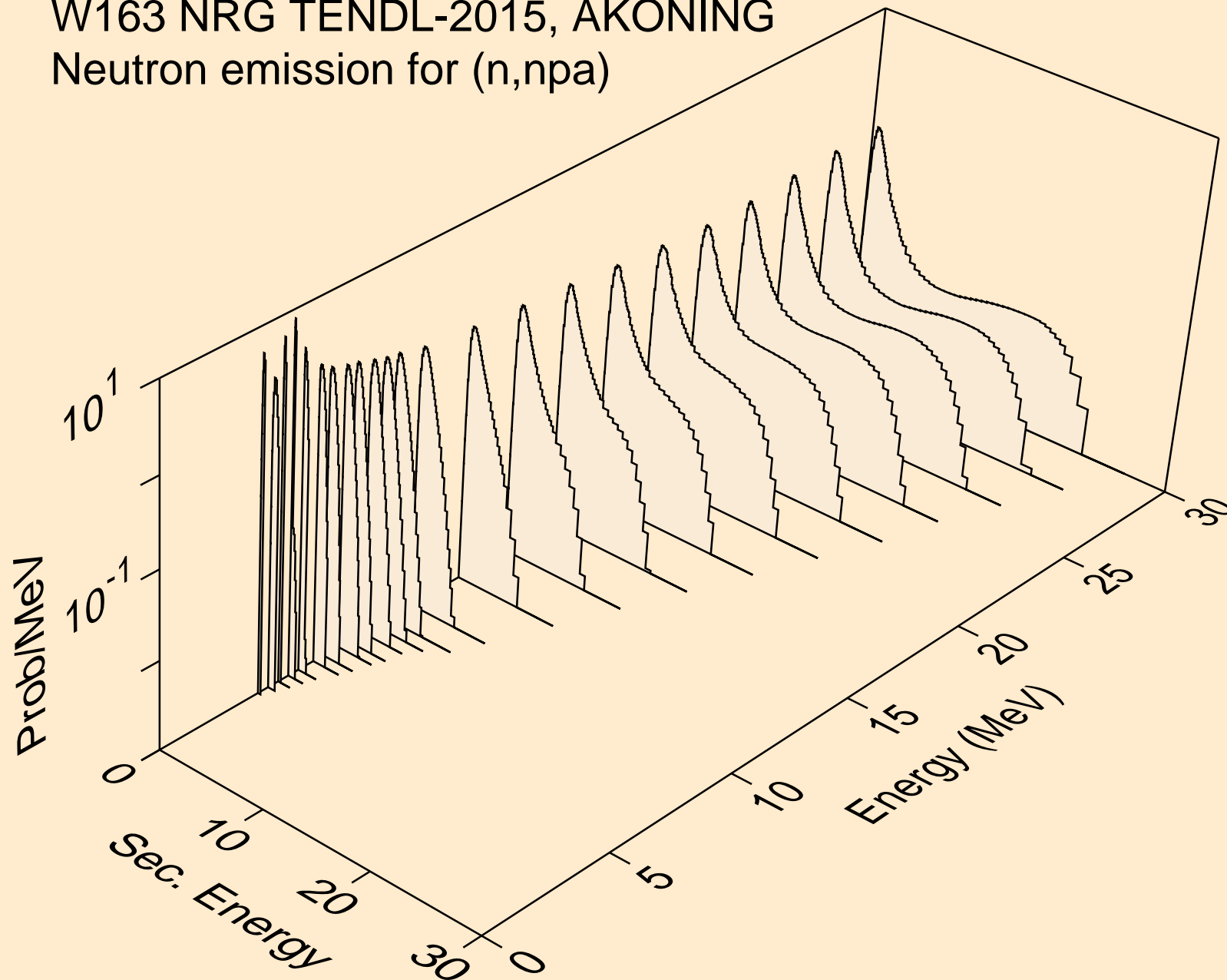
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



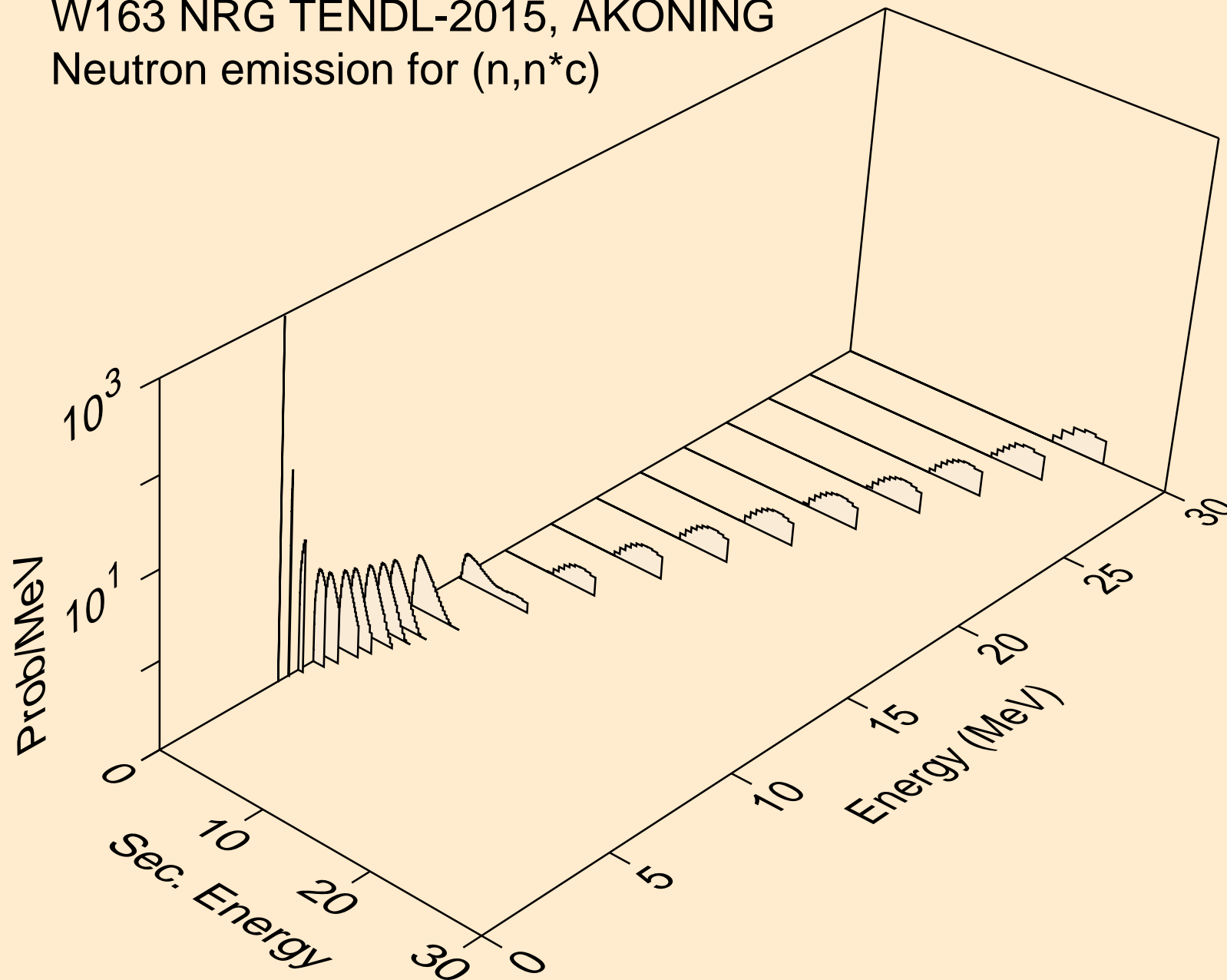
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



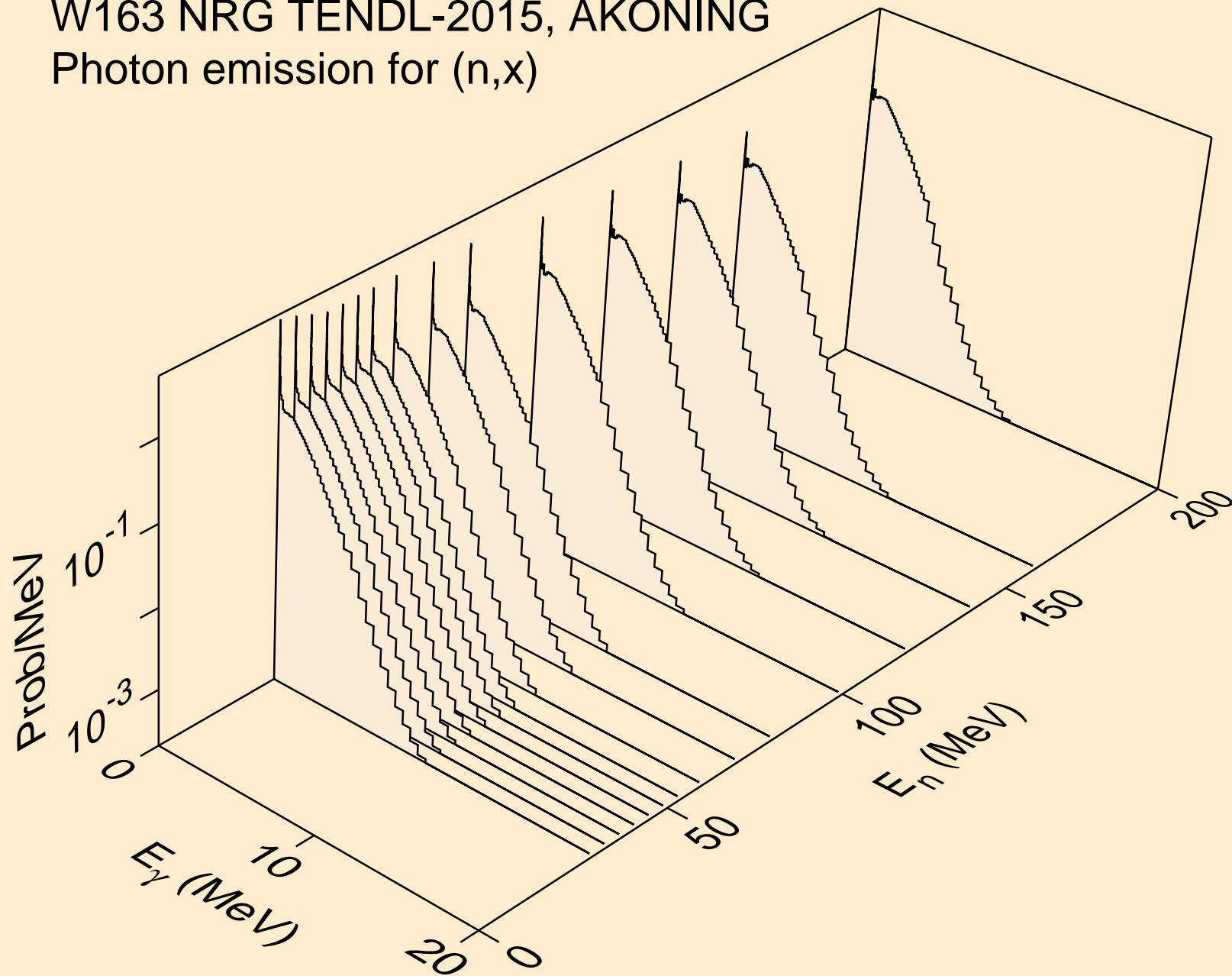
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



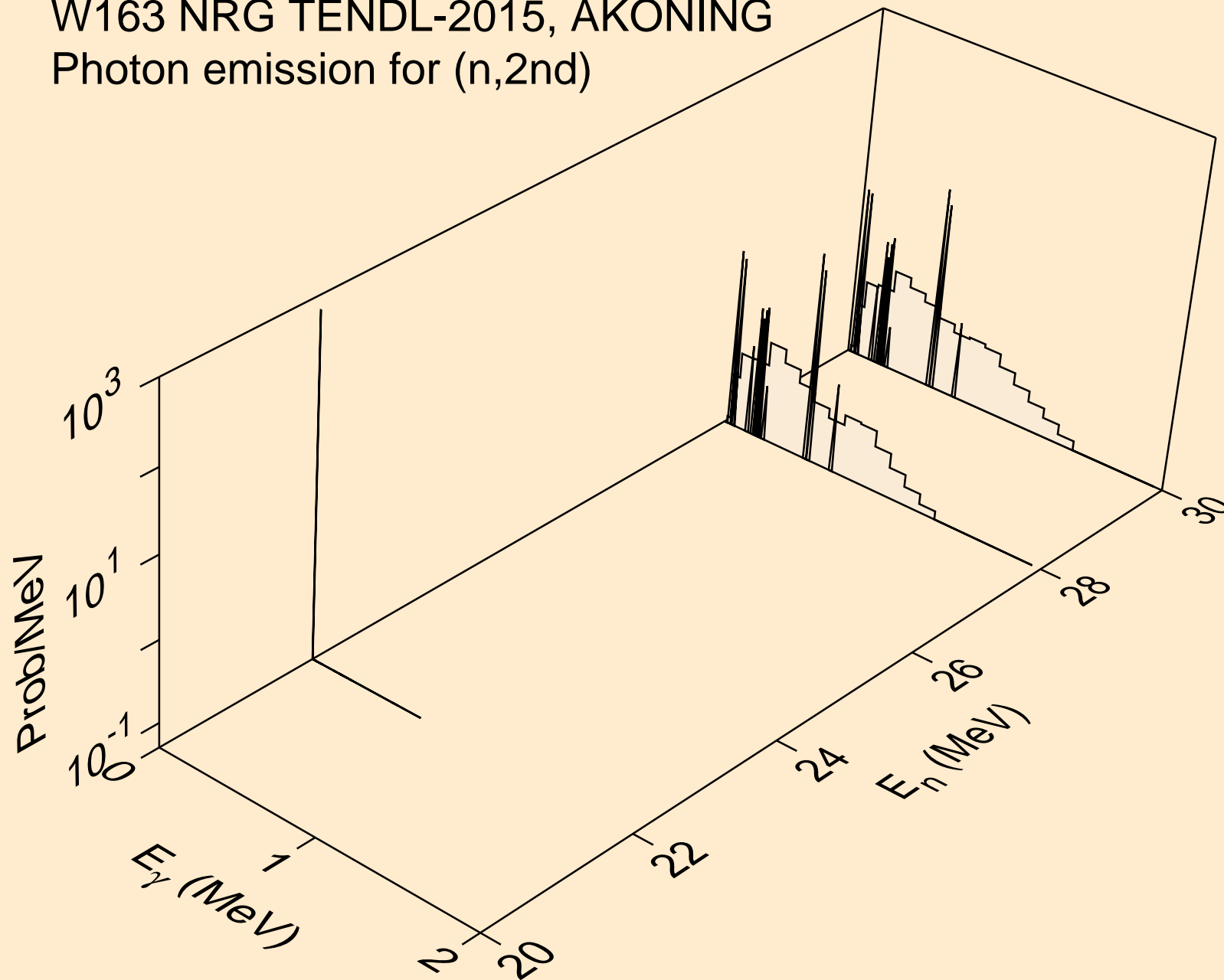
W163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



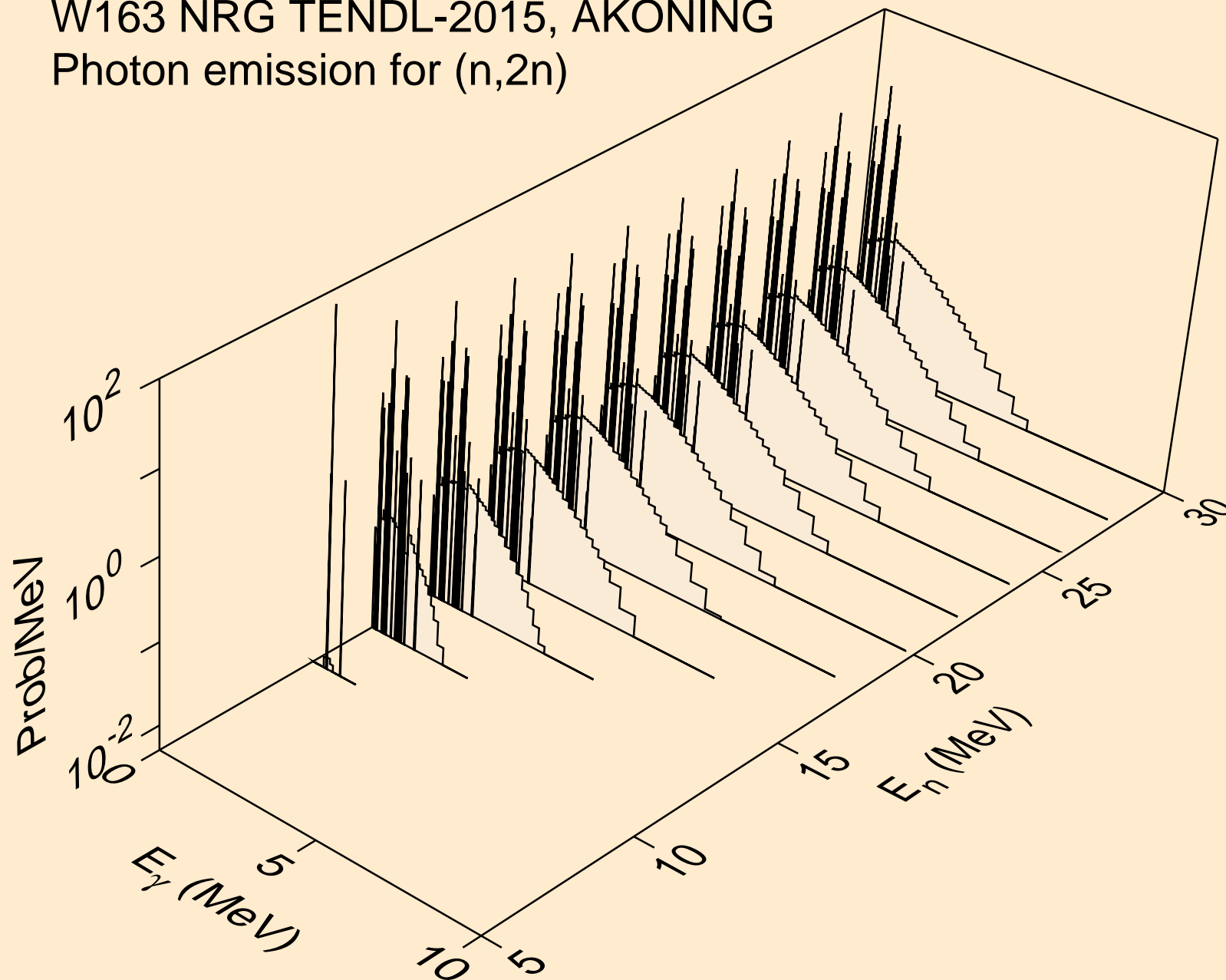
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



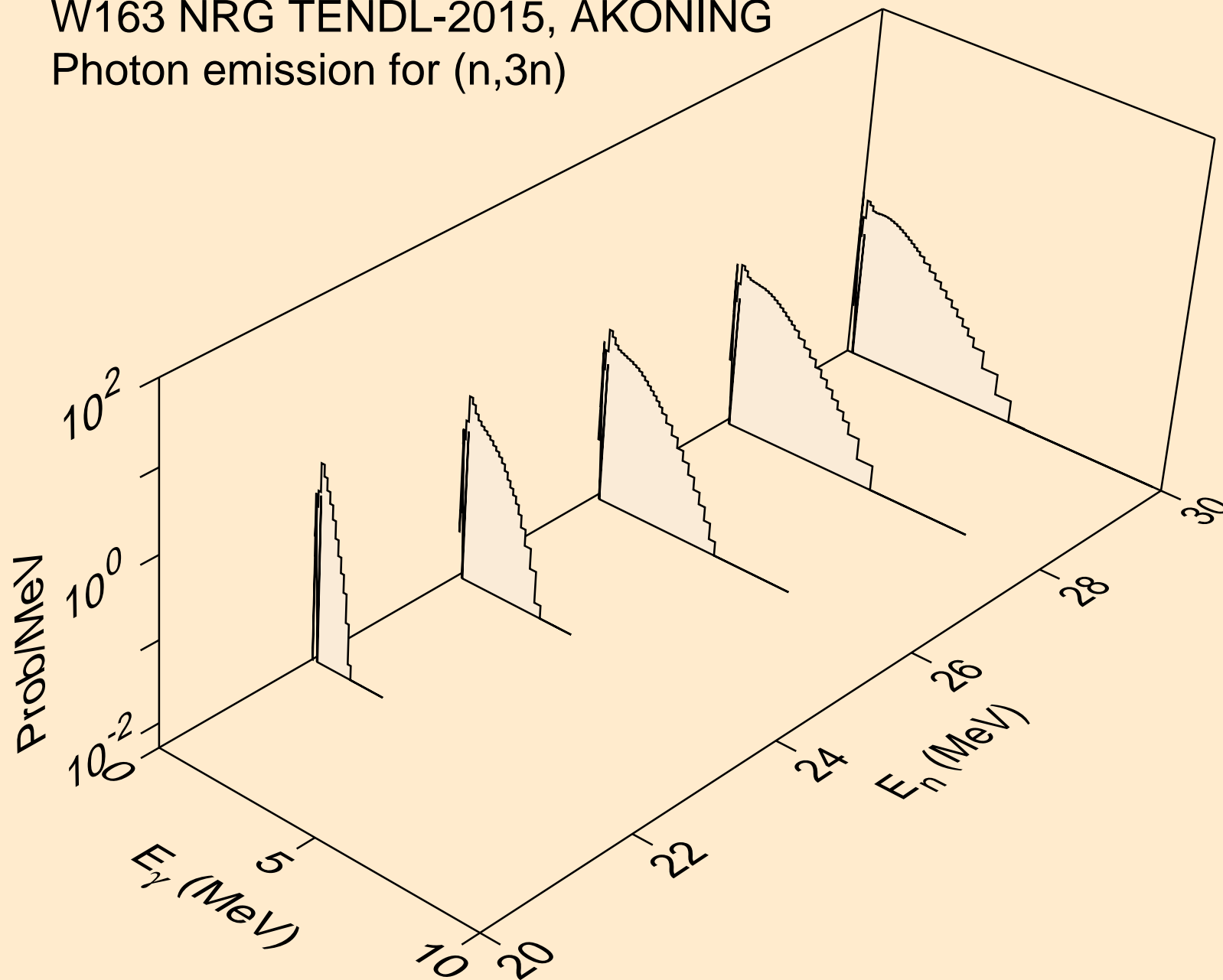
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

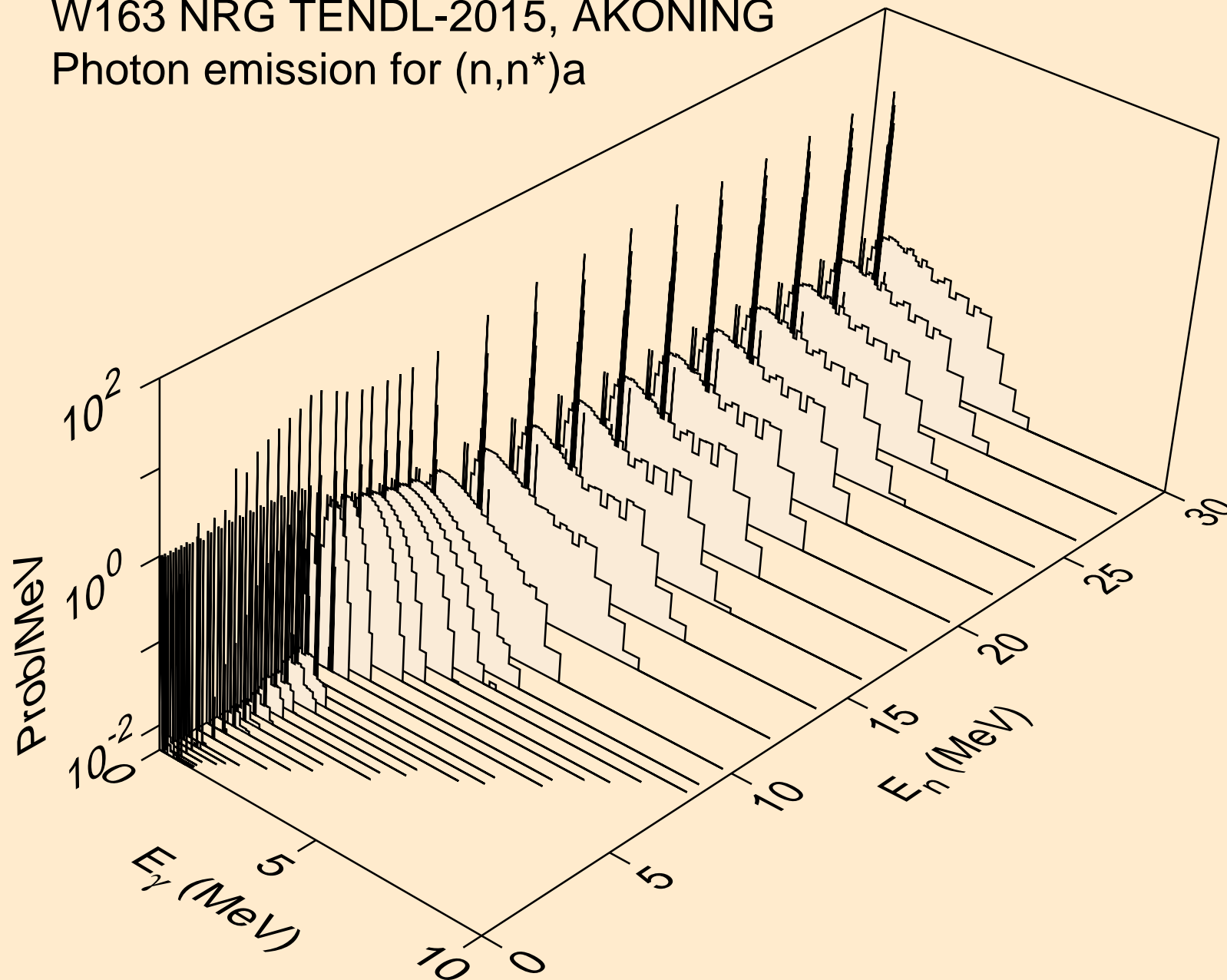


W163 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

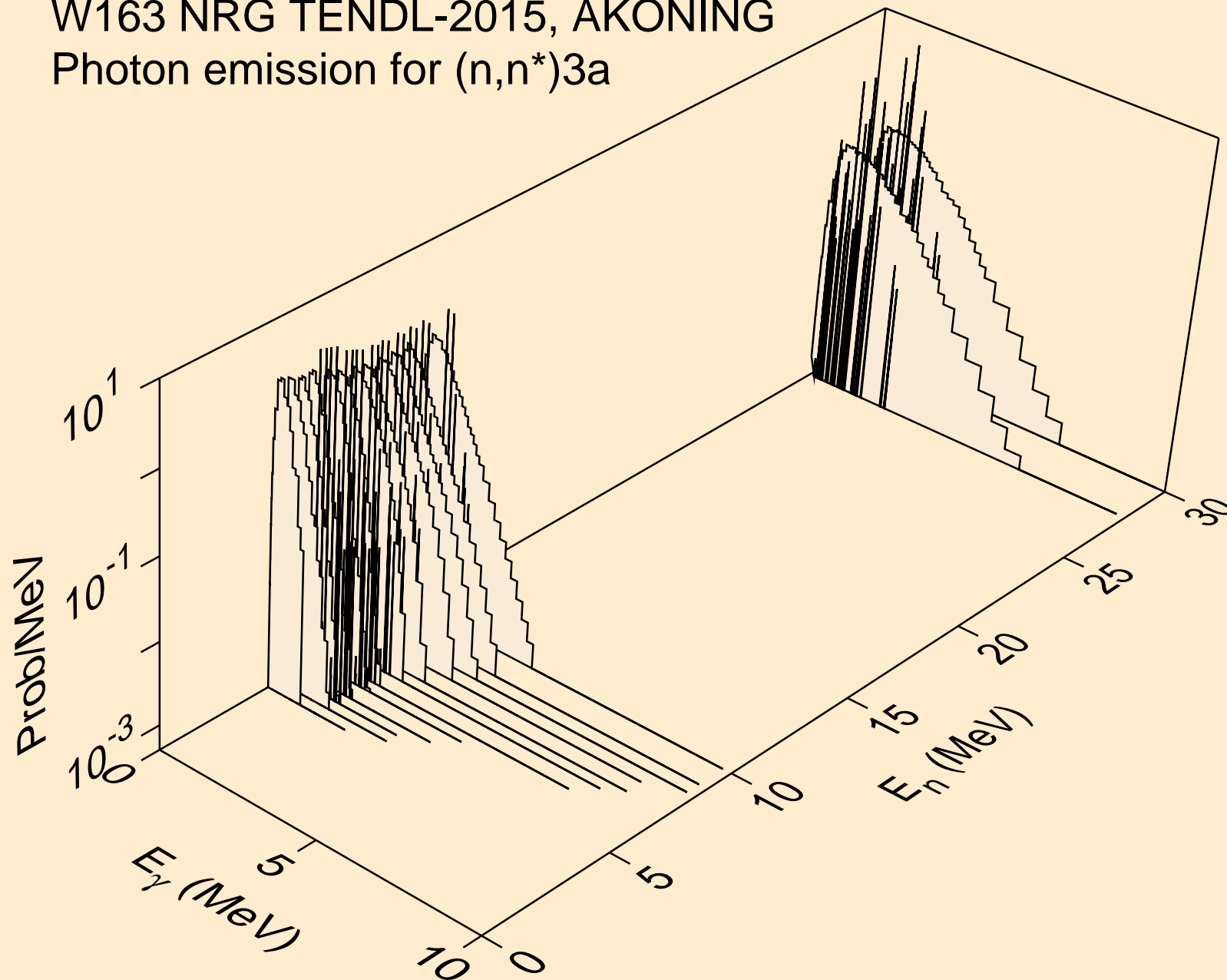




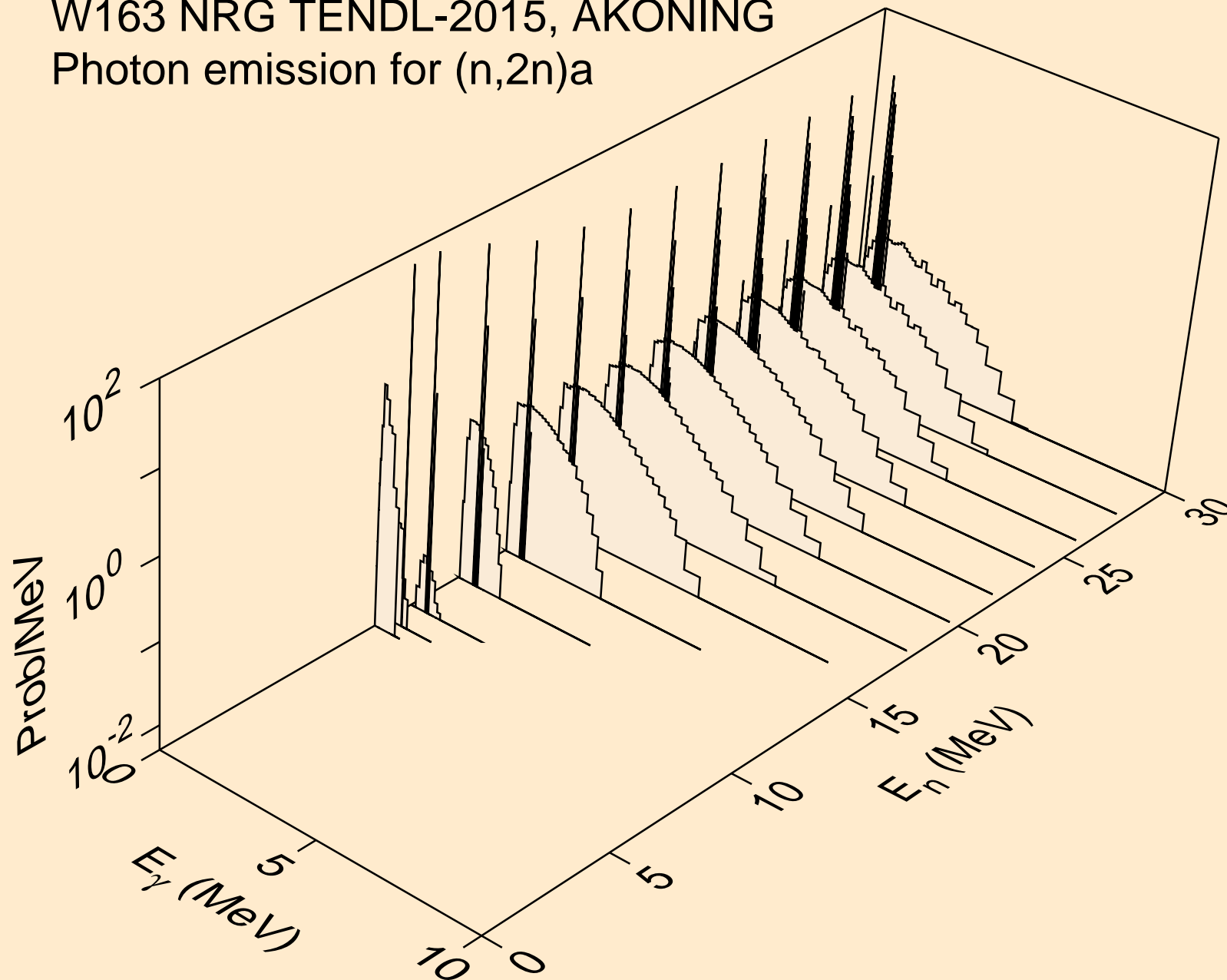
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



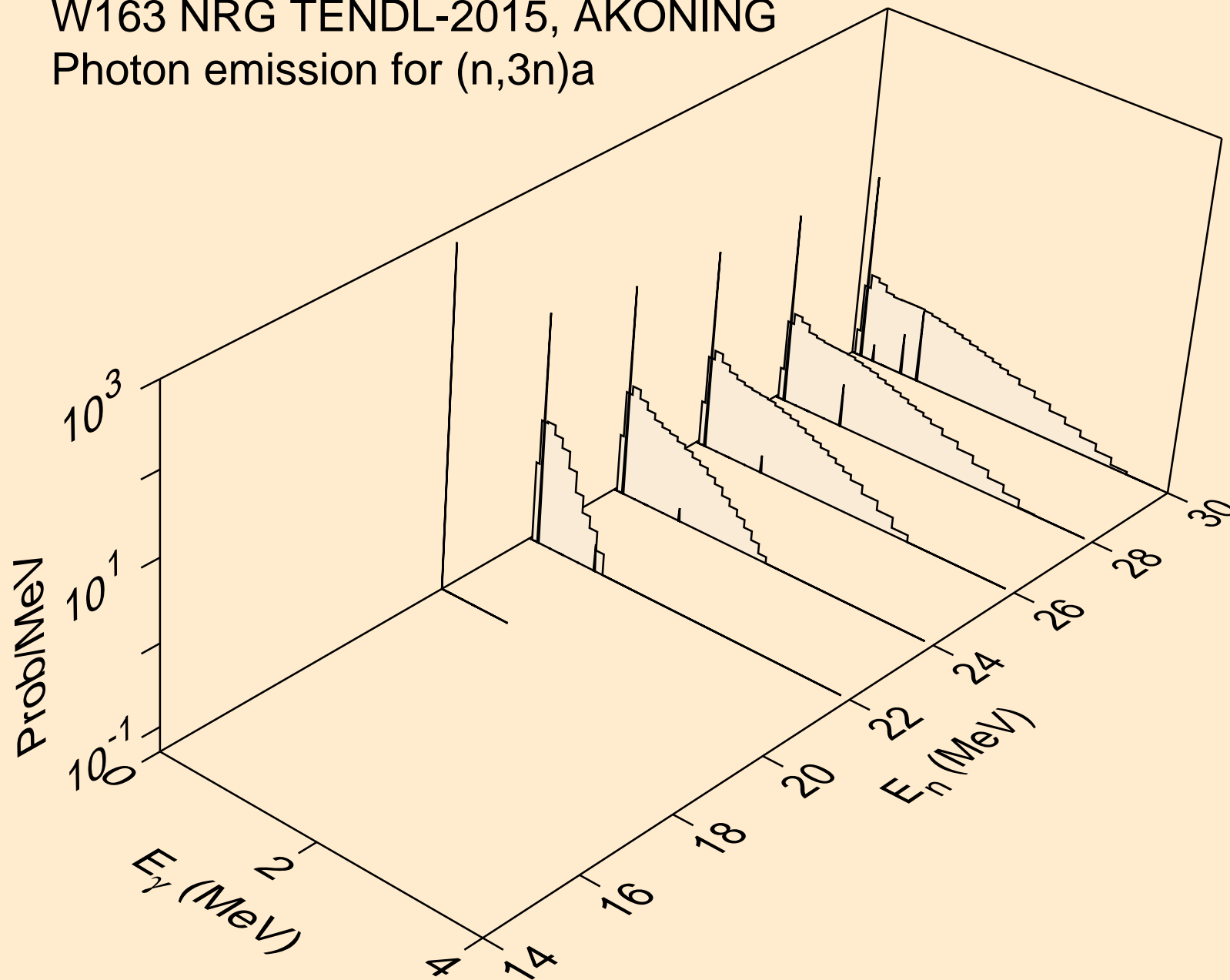
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



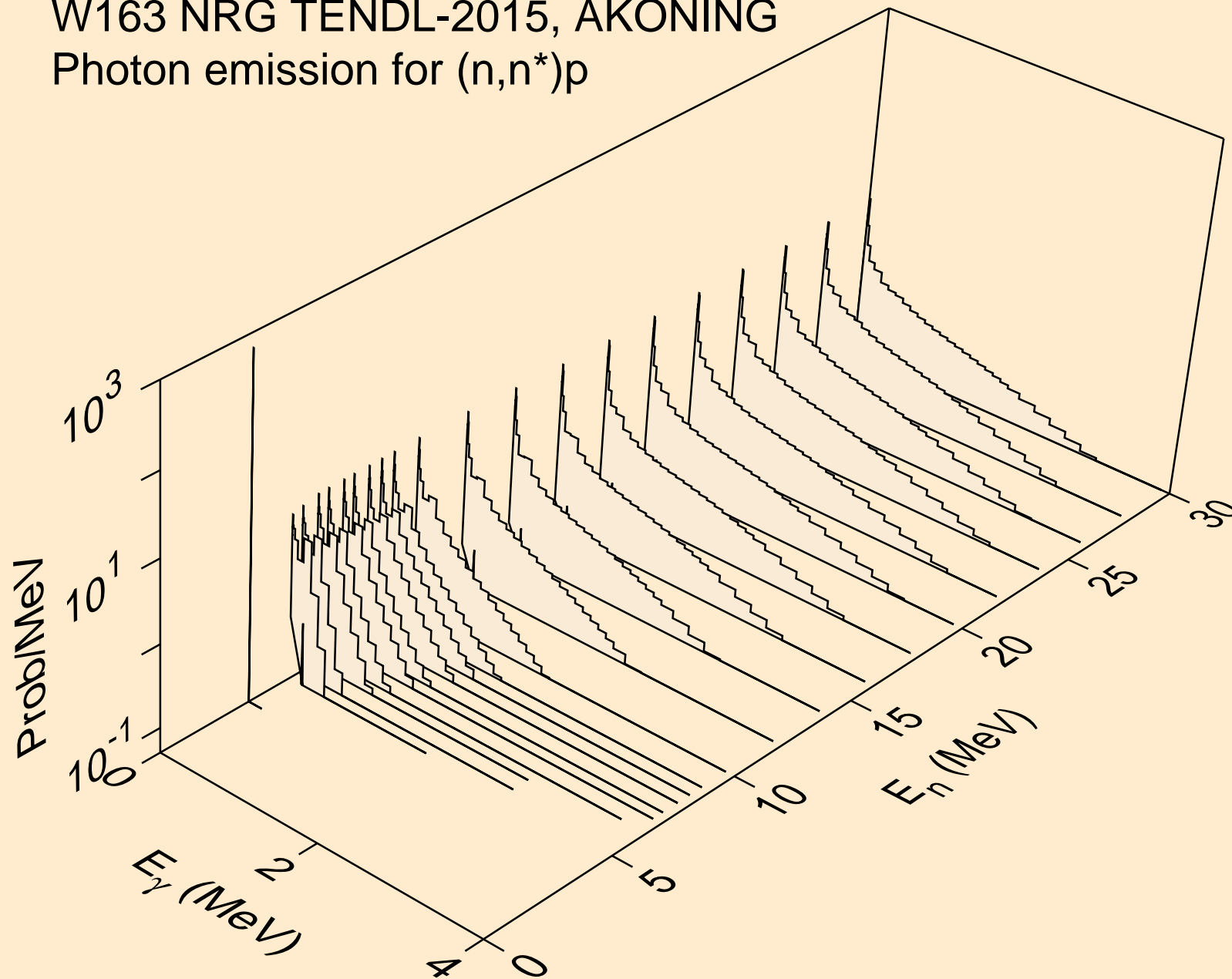
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



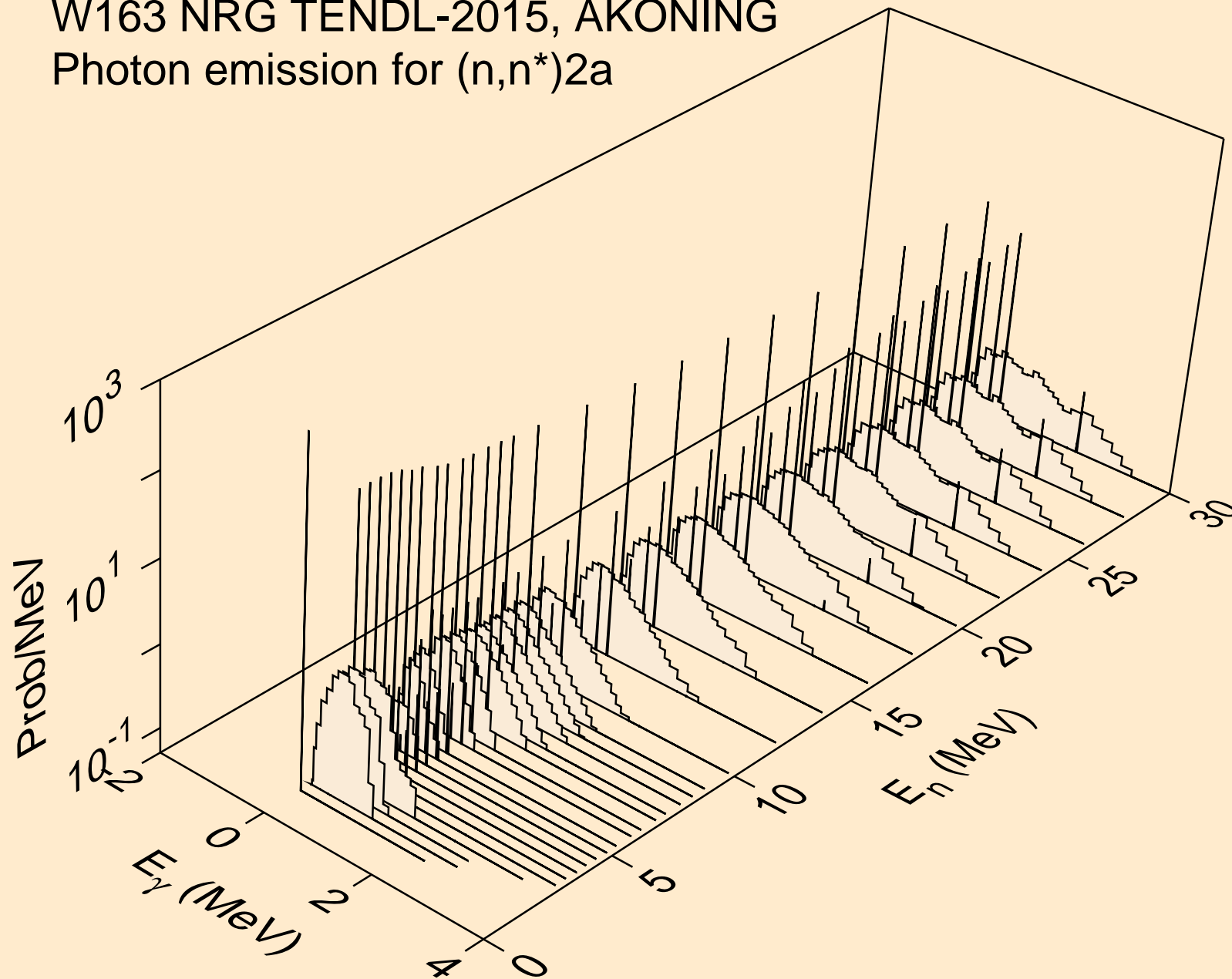
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



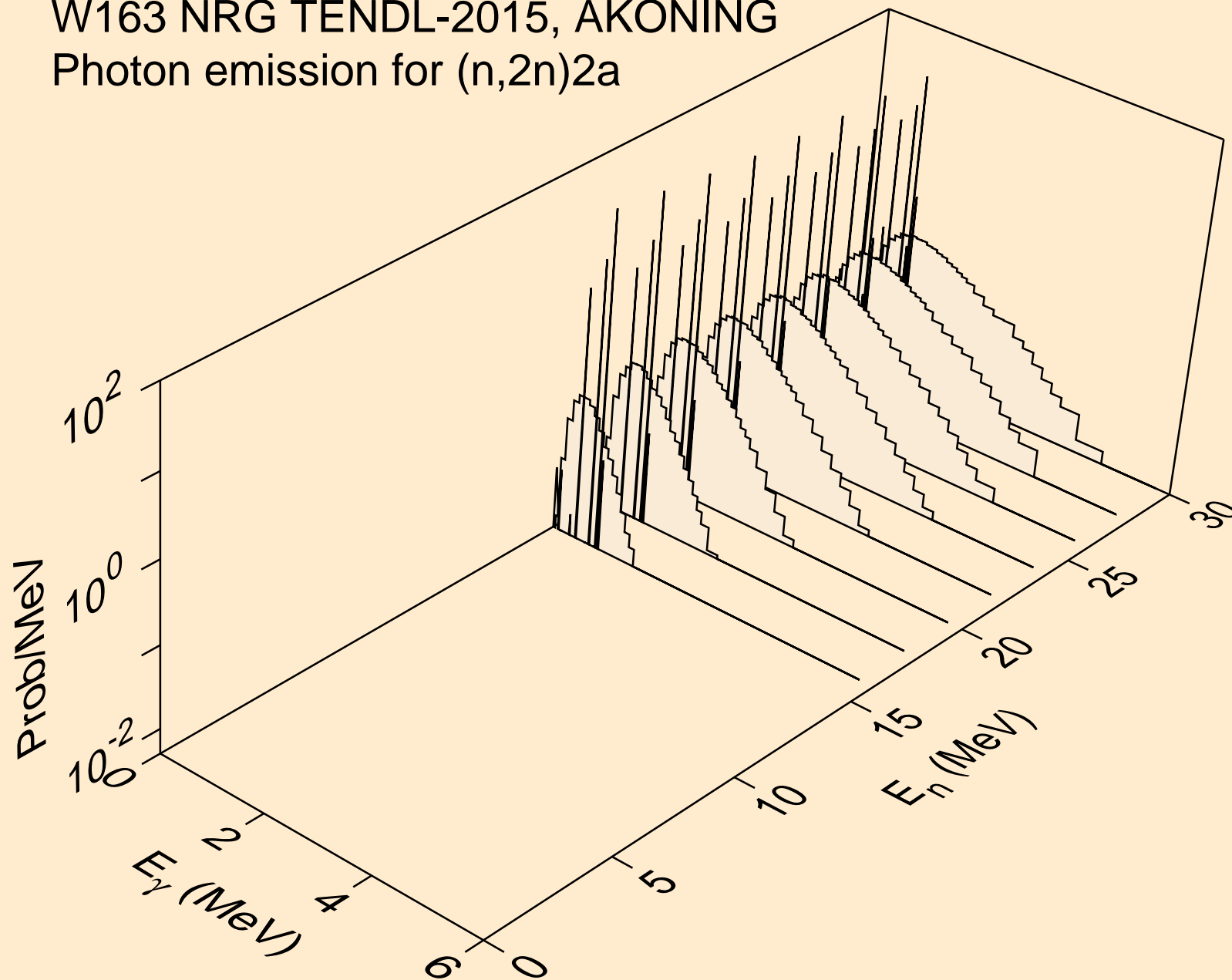
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



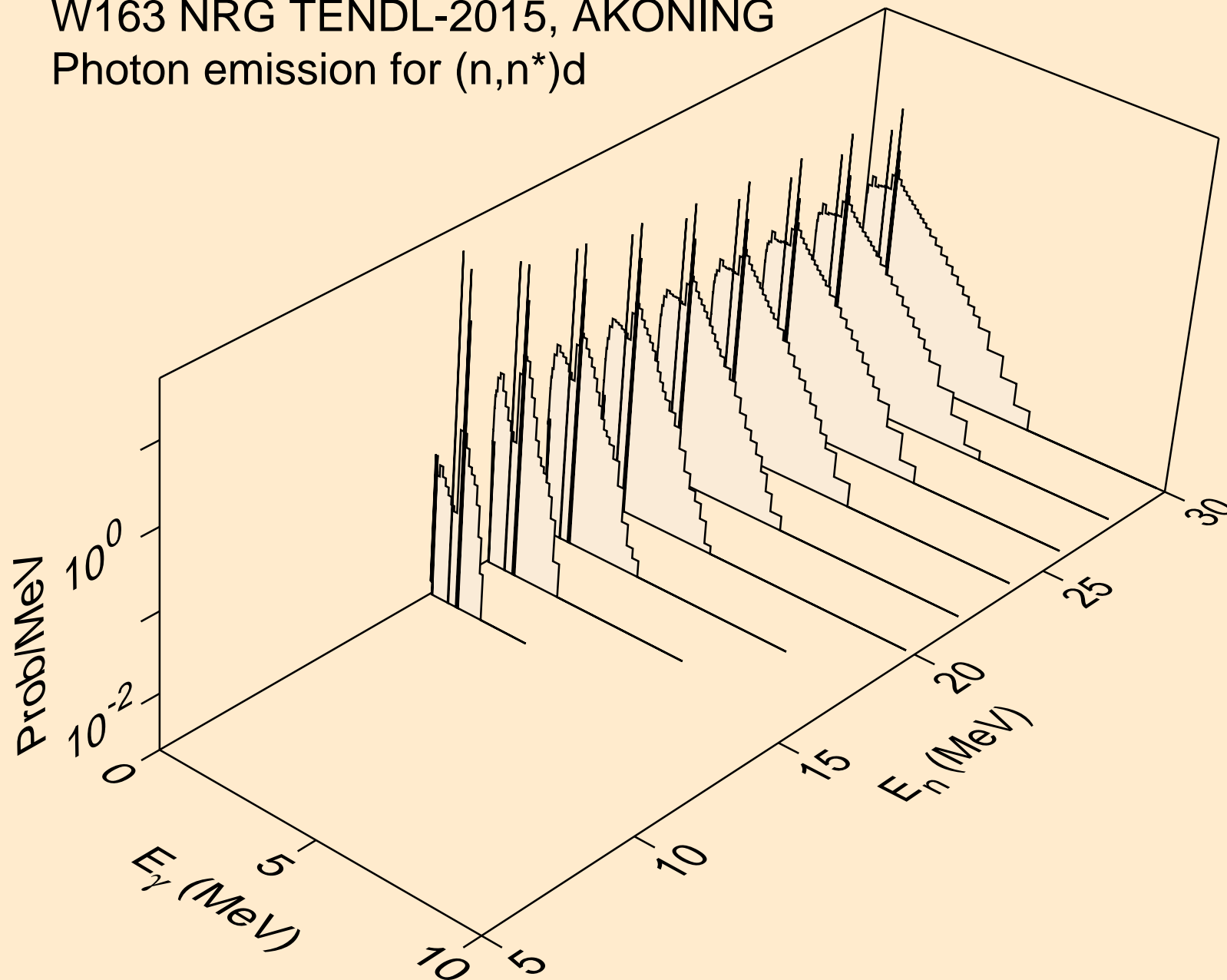
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



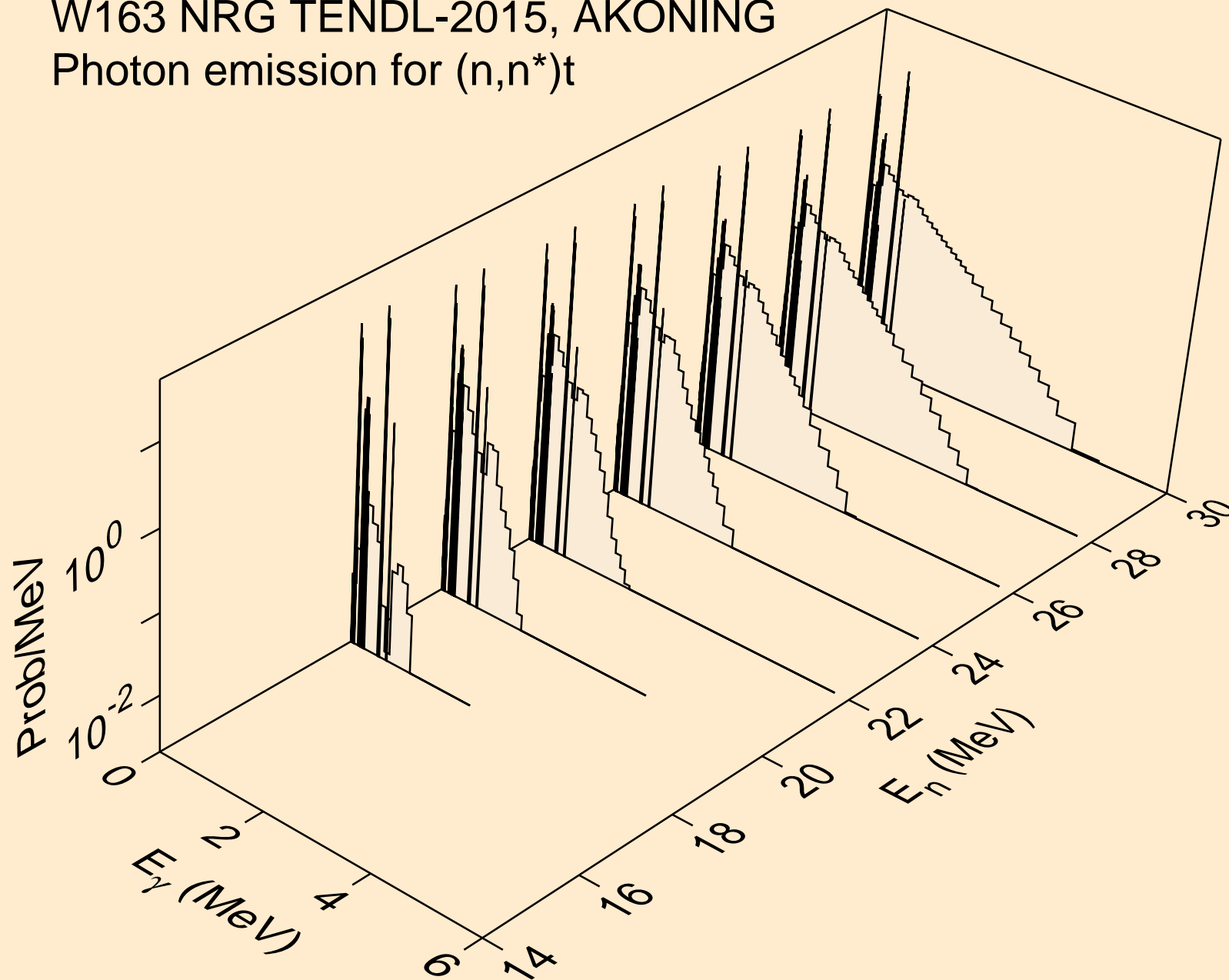
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



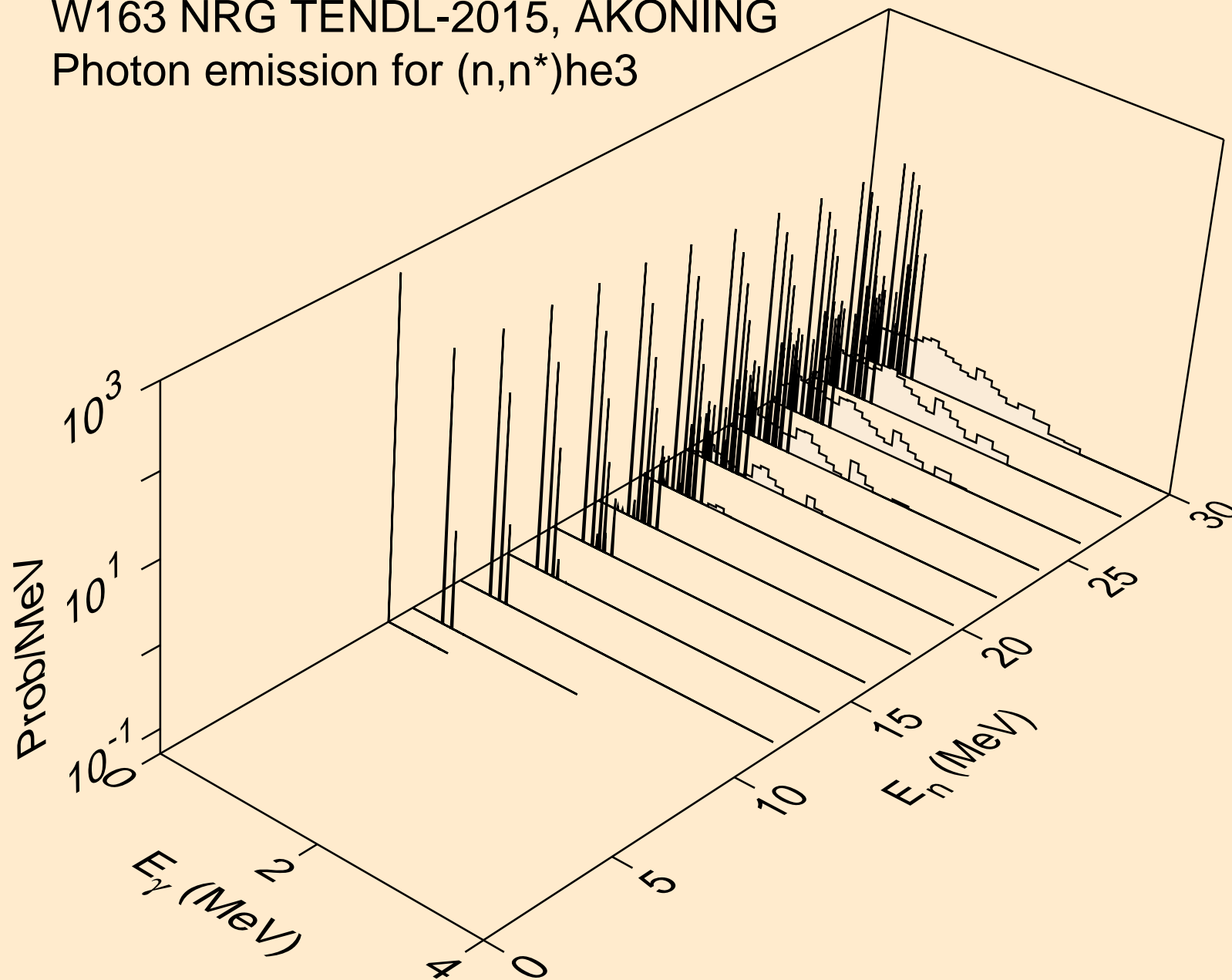


W163 NRG TENDL-2015, AKONING

Photon emission for  $(n,n^*)t$

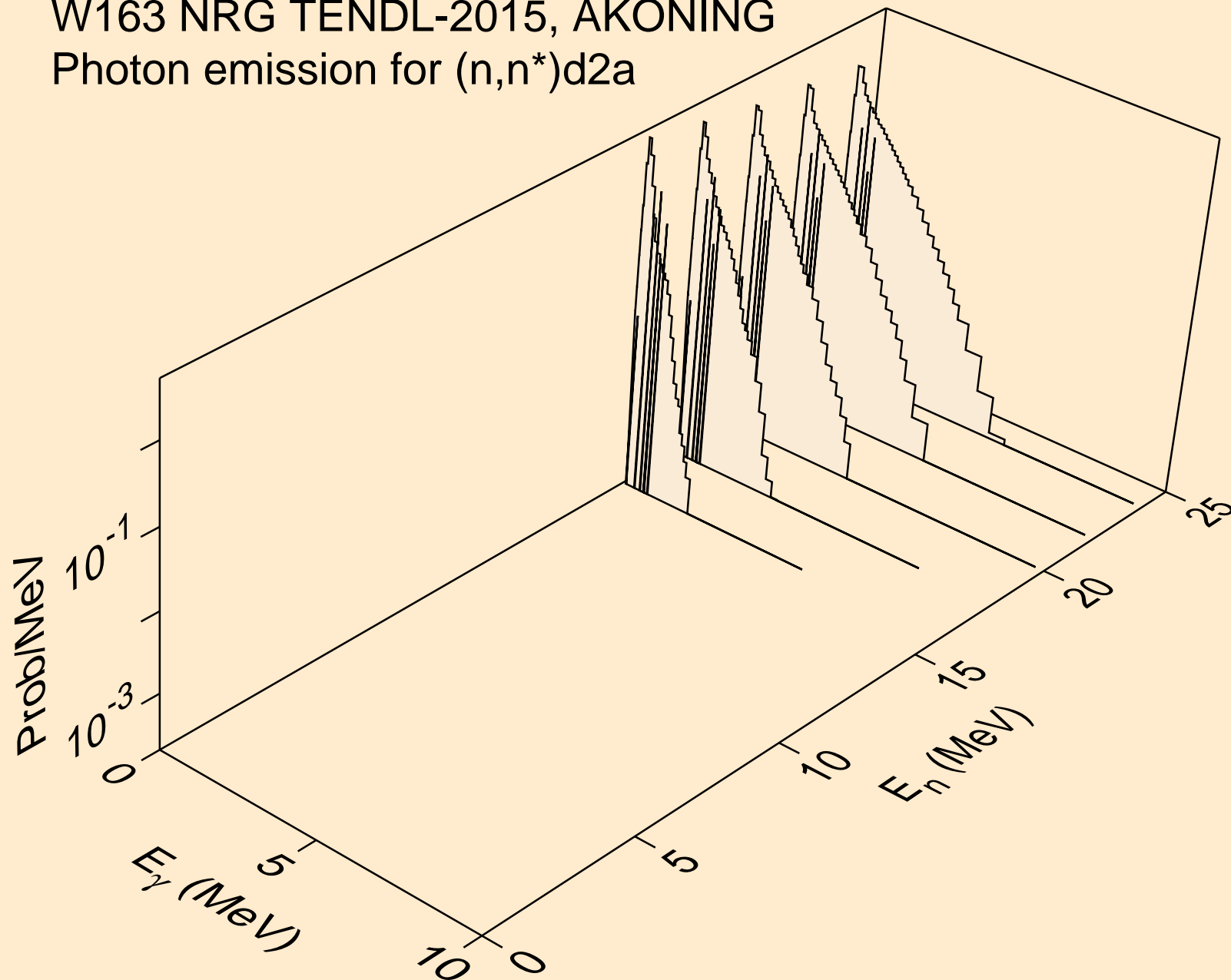


W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

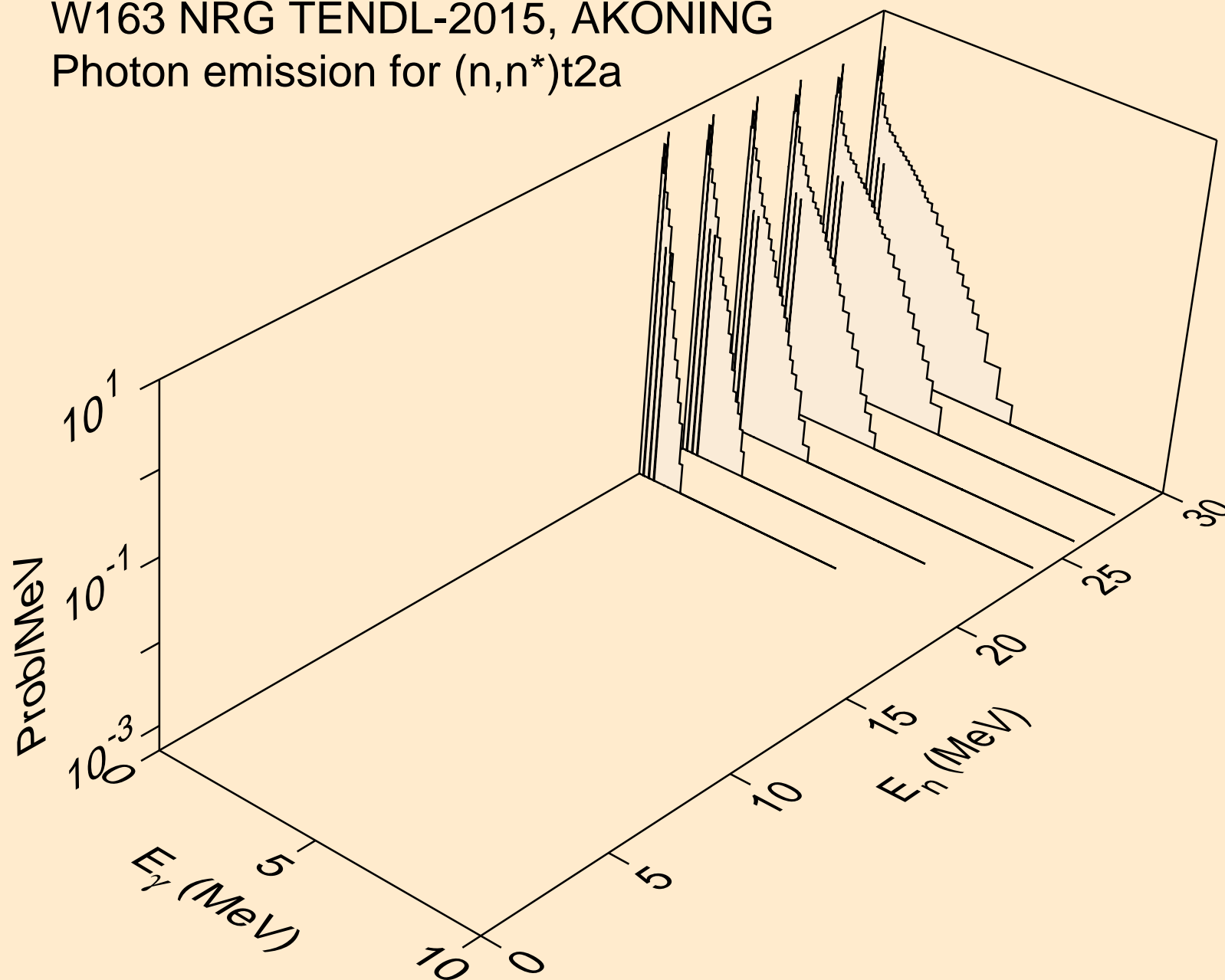


W163 NRG TENDL-2015, AKONING

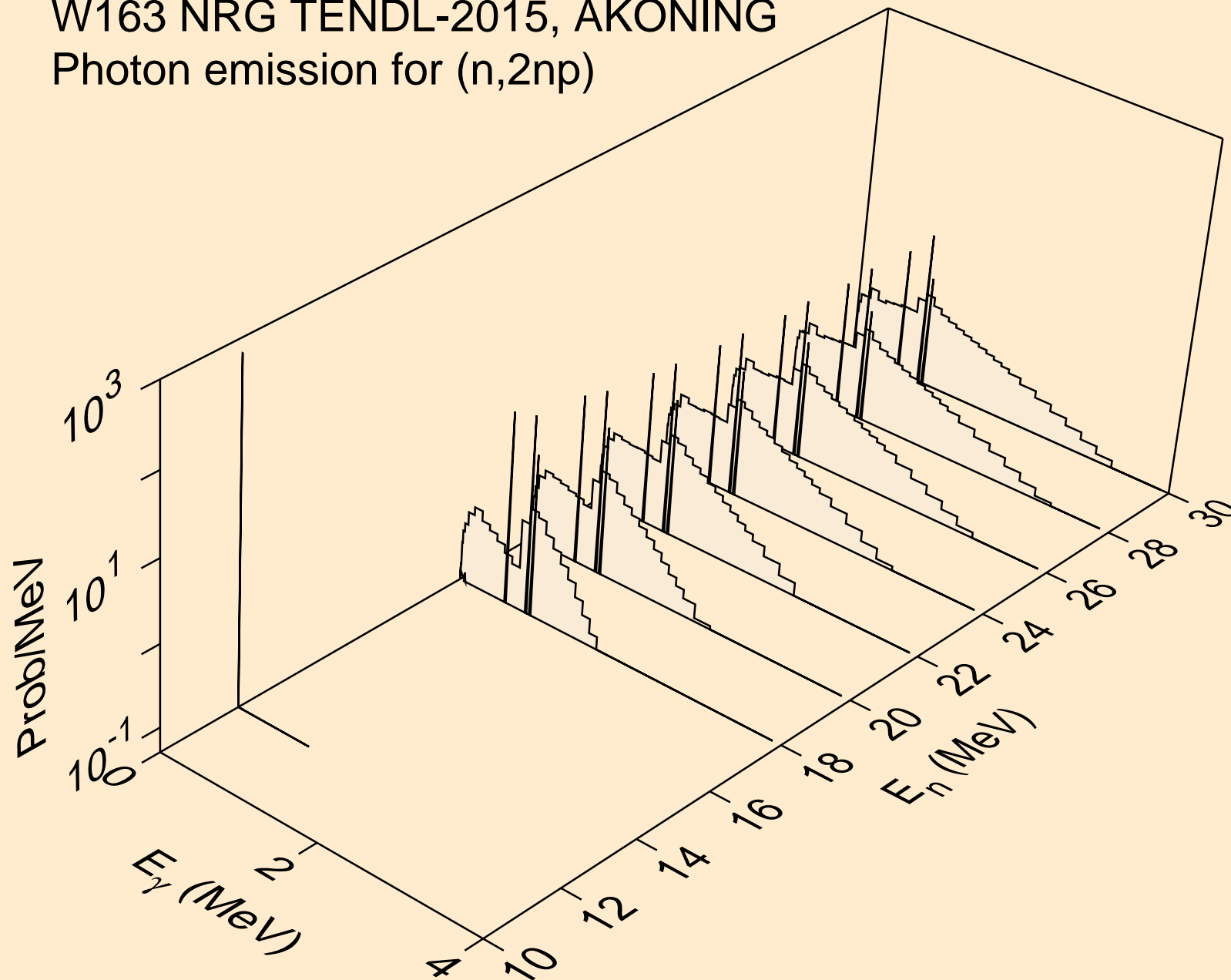
Photon emission for (n,n\*)d2a



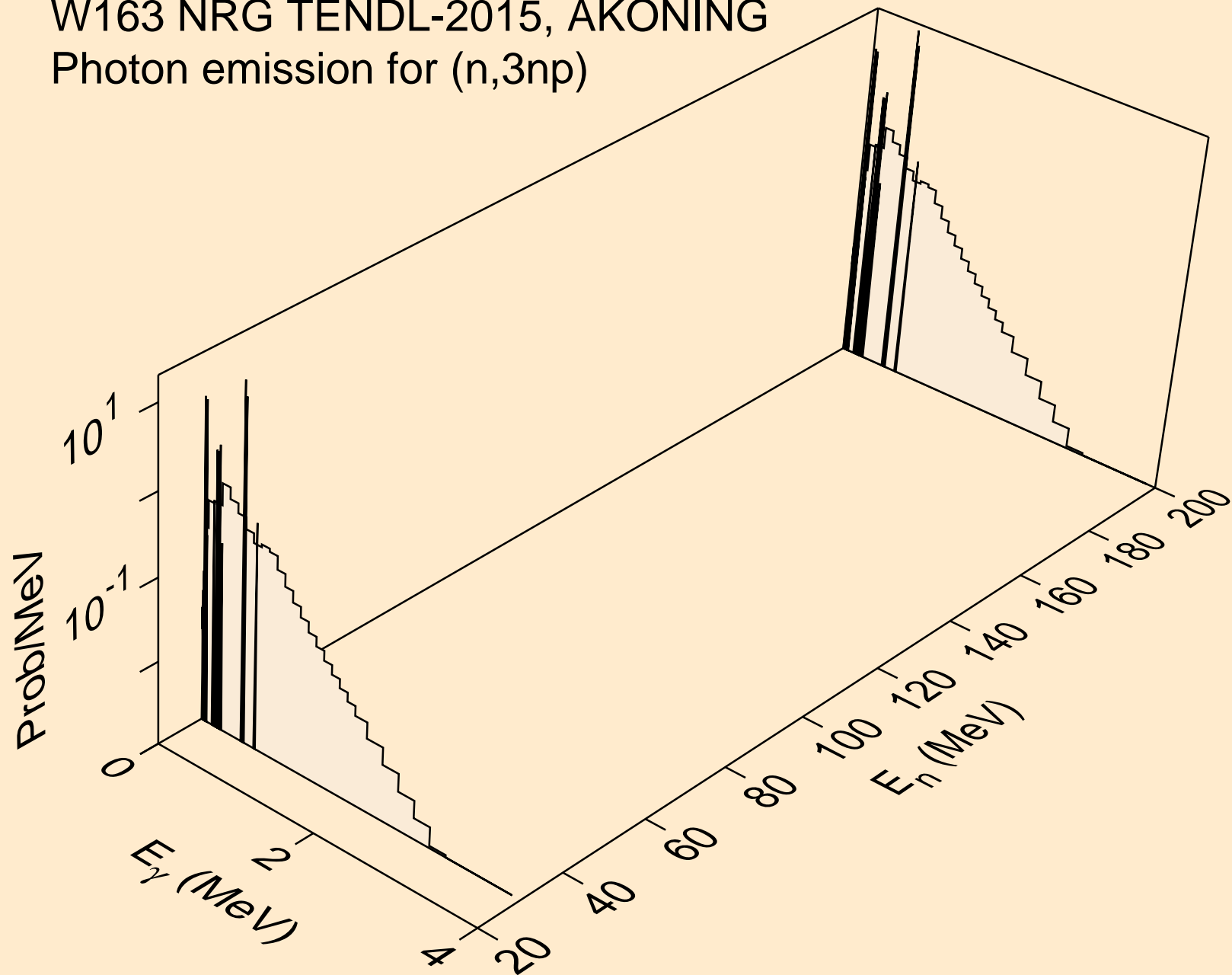
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



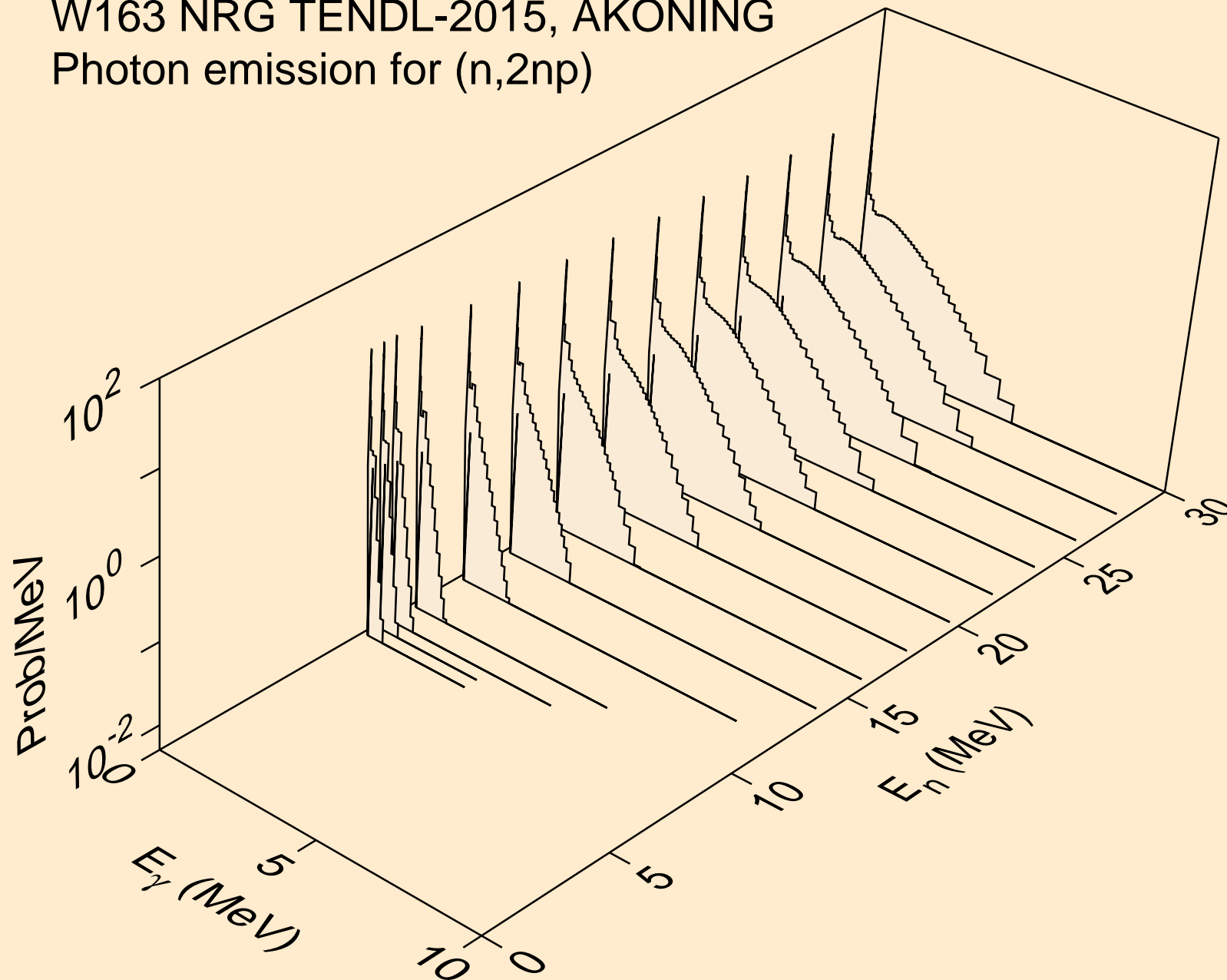
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



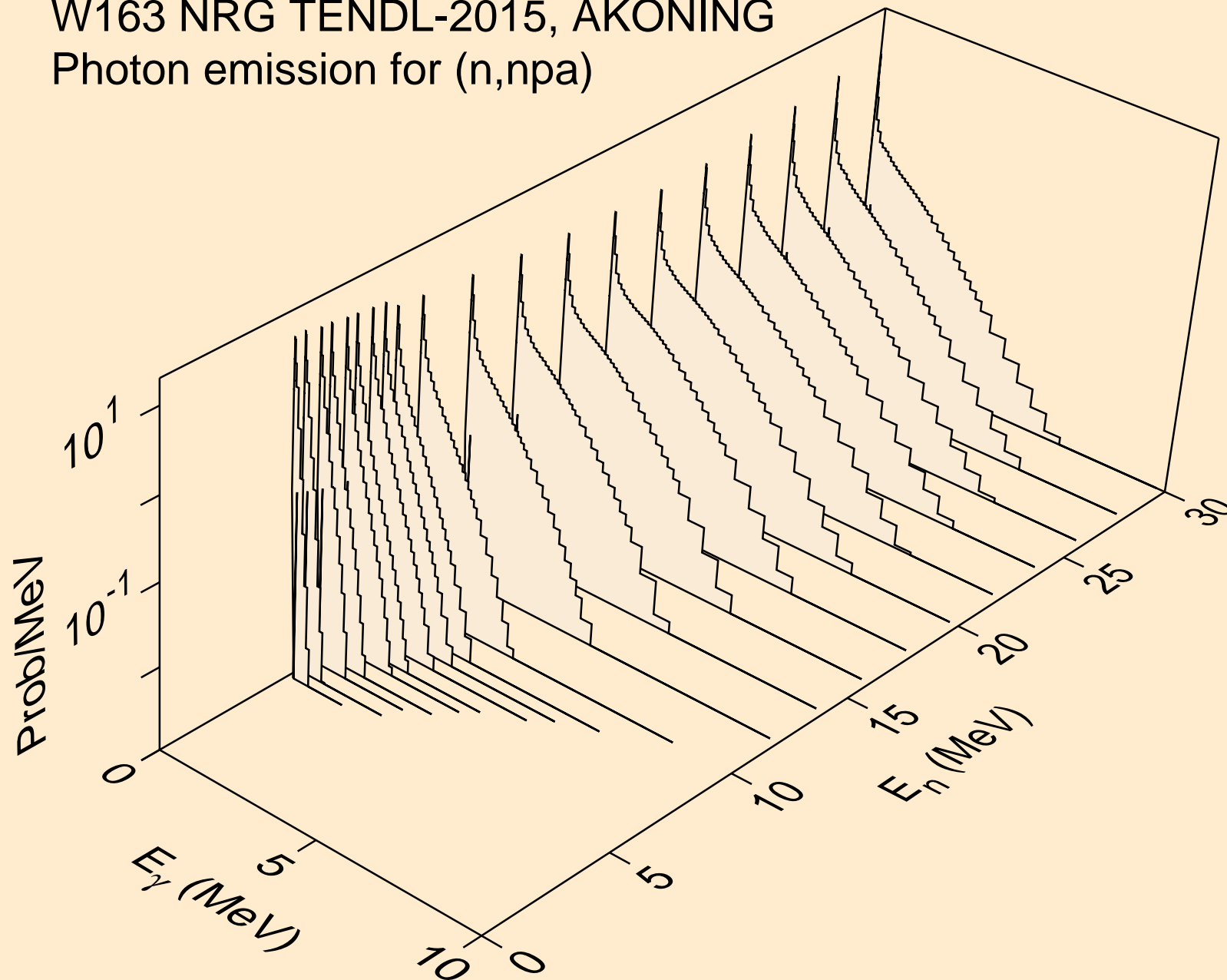
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

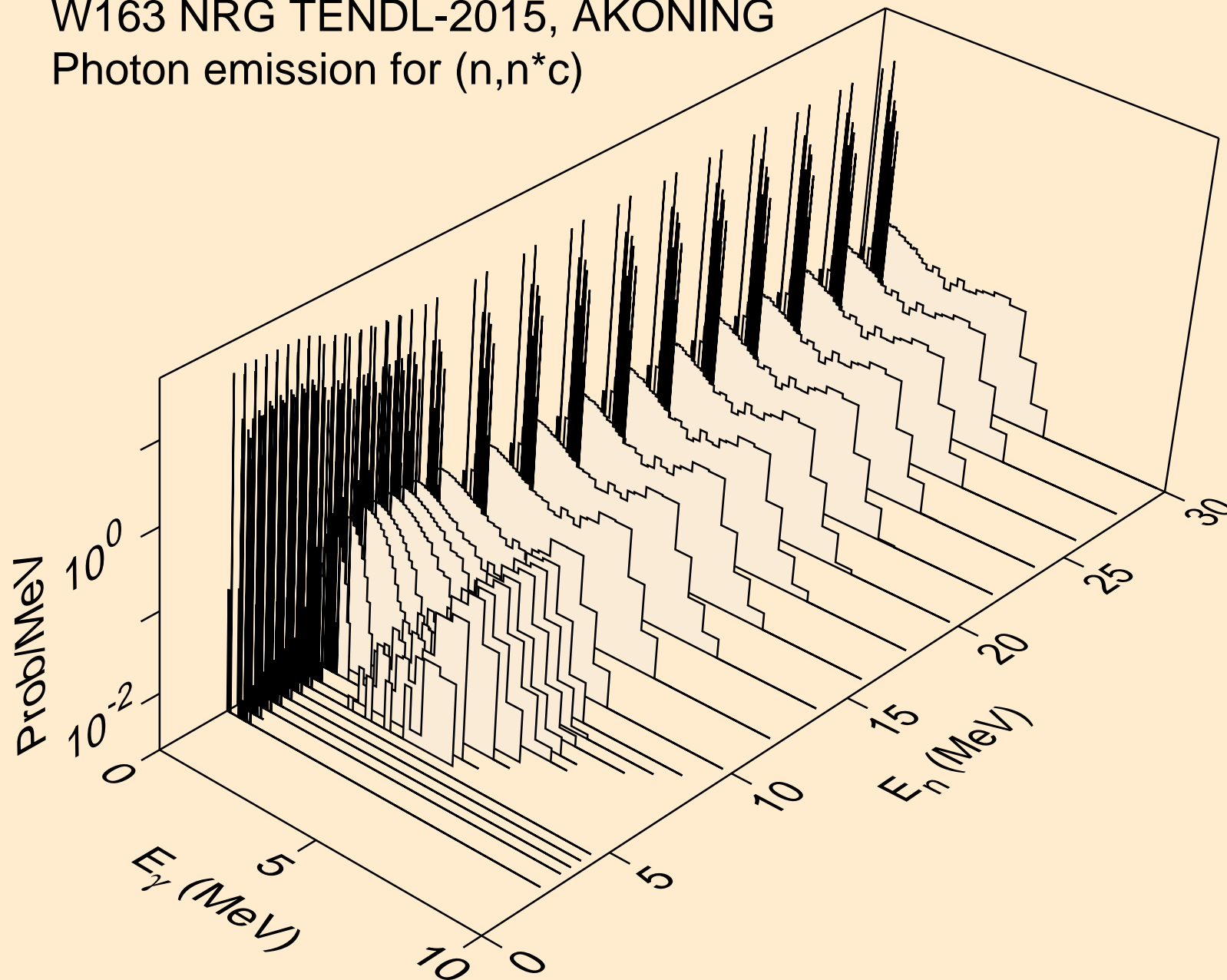


W163 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

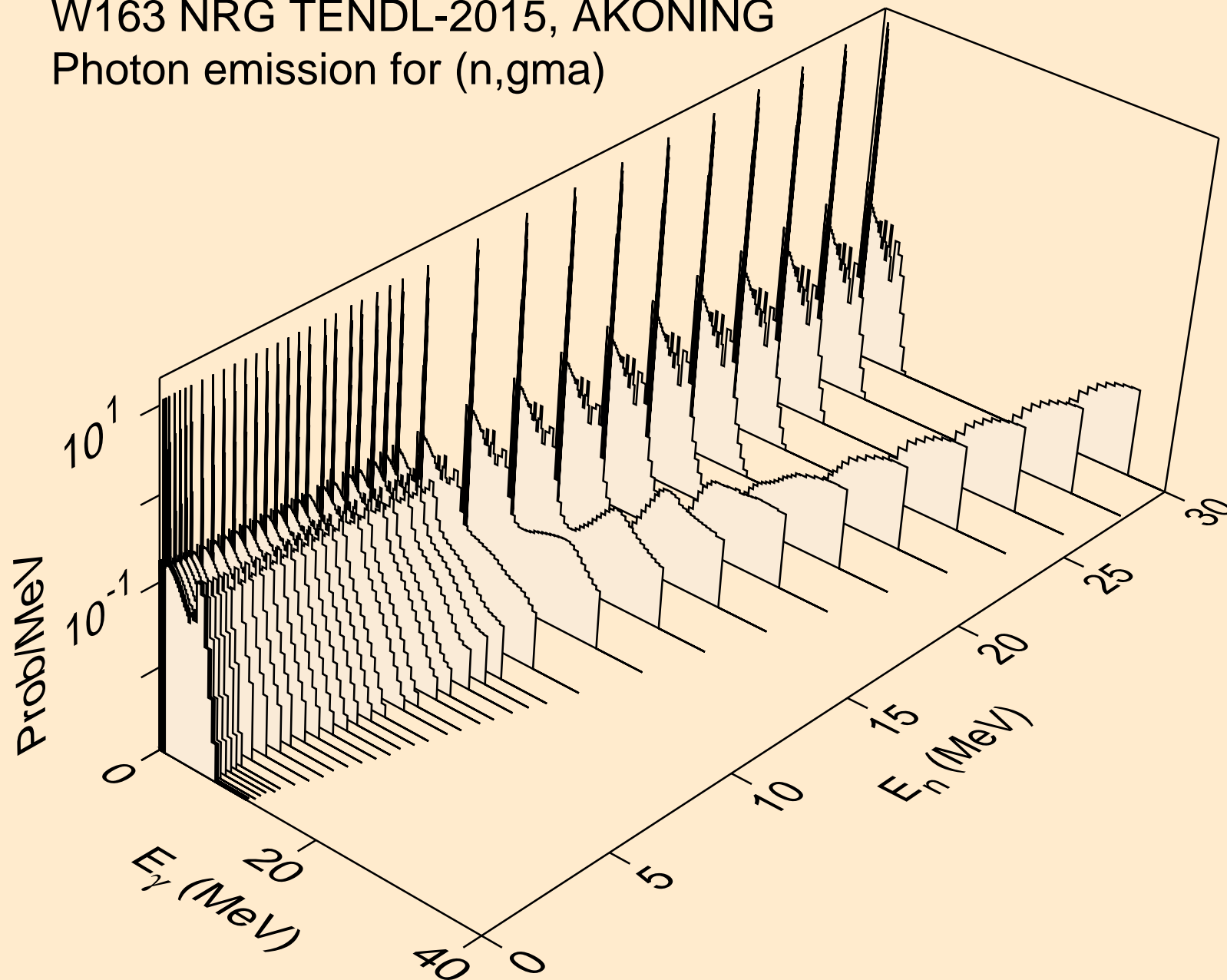




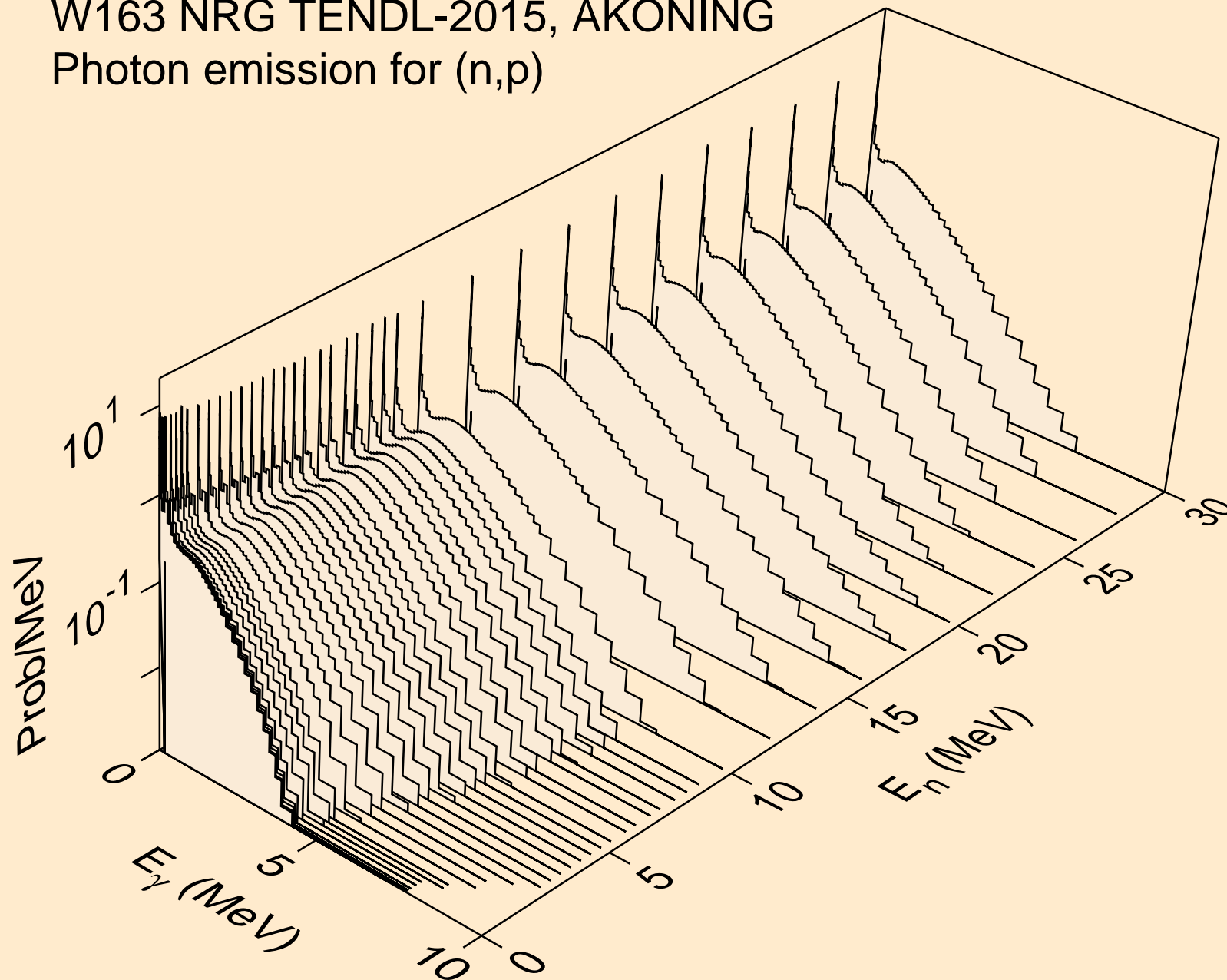
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



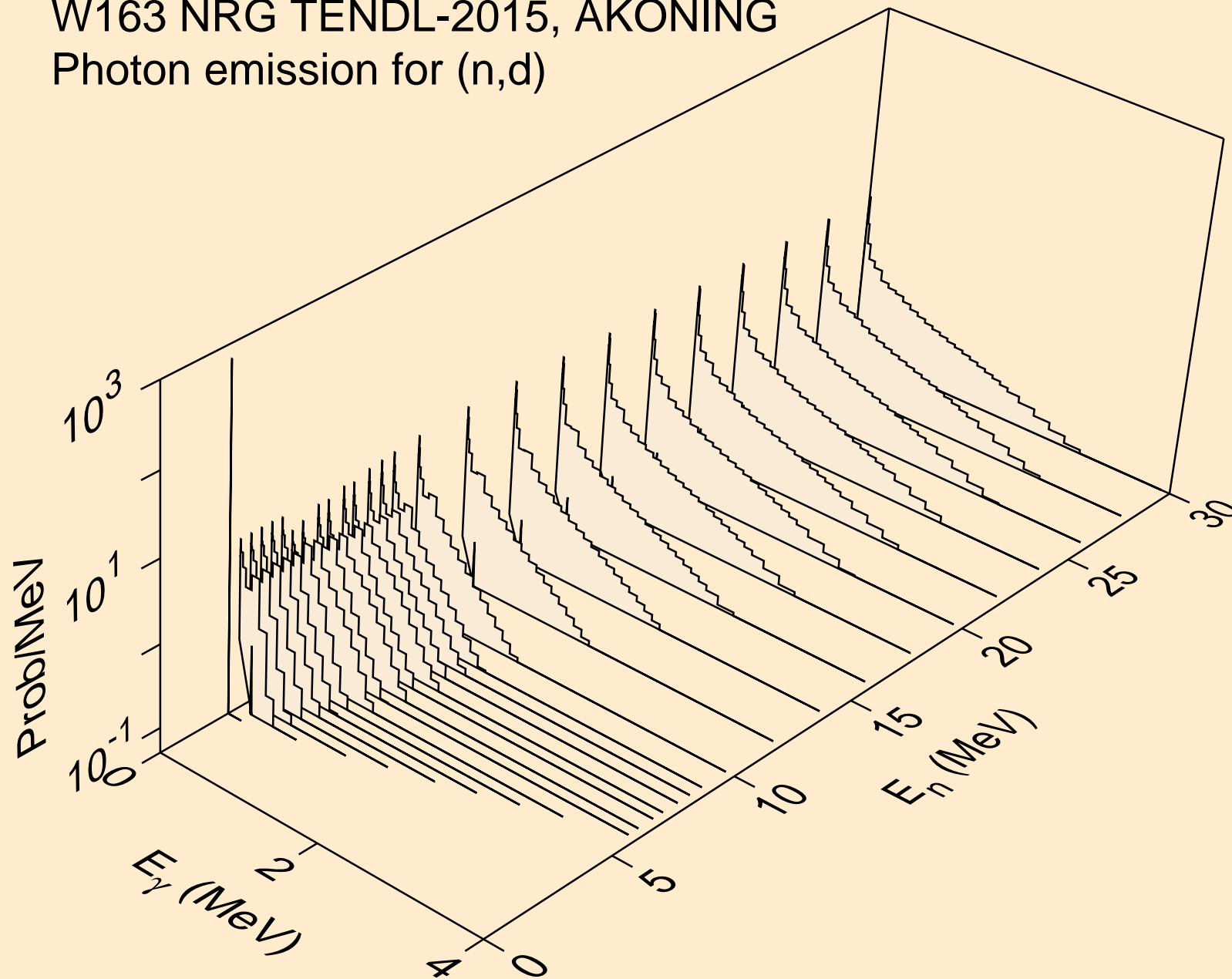
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



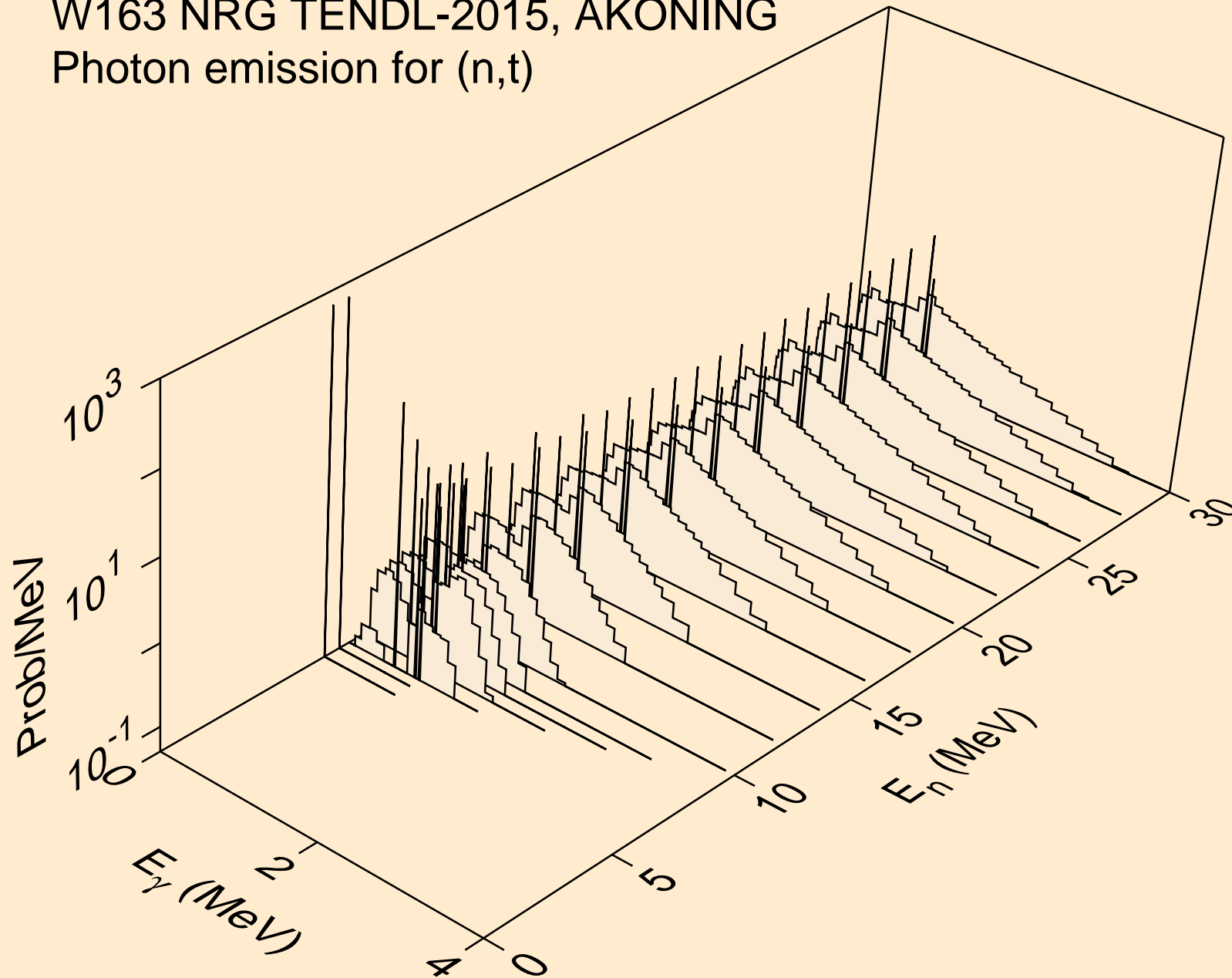
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



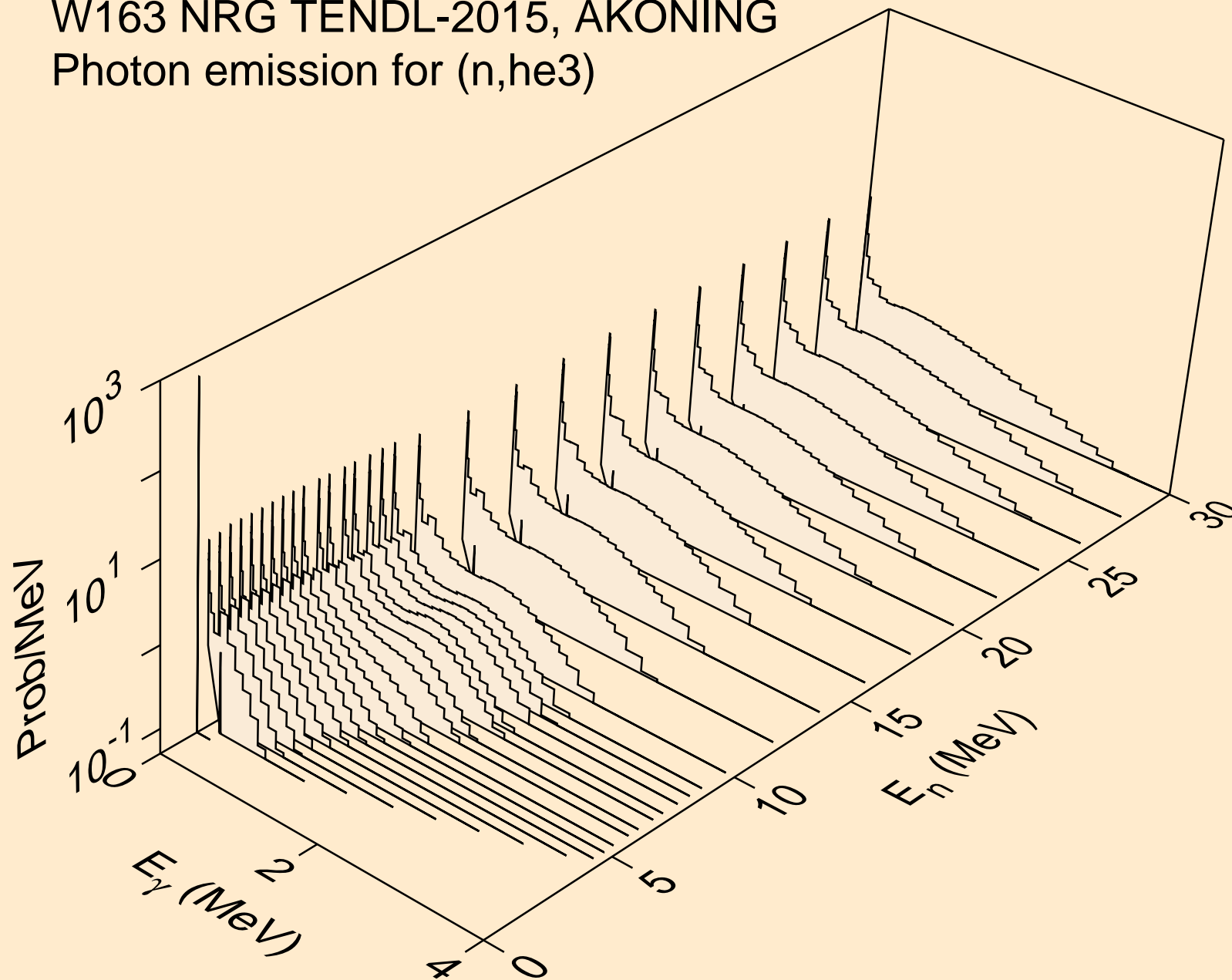
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



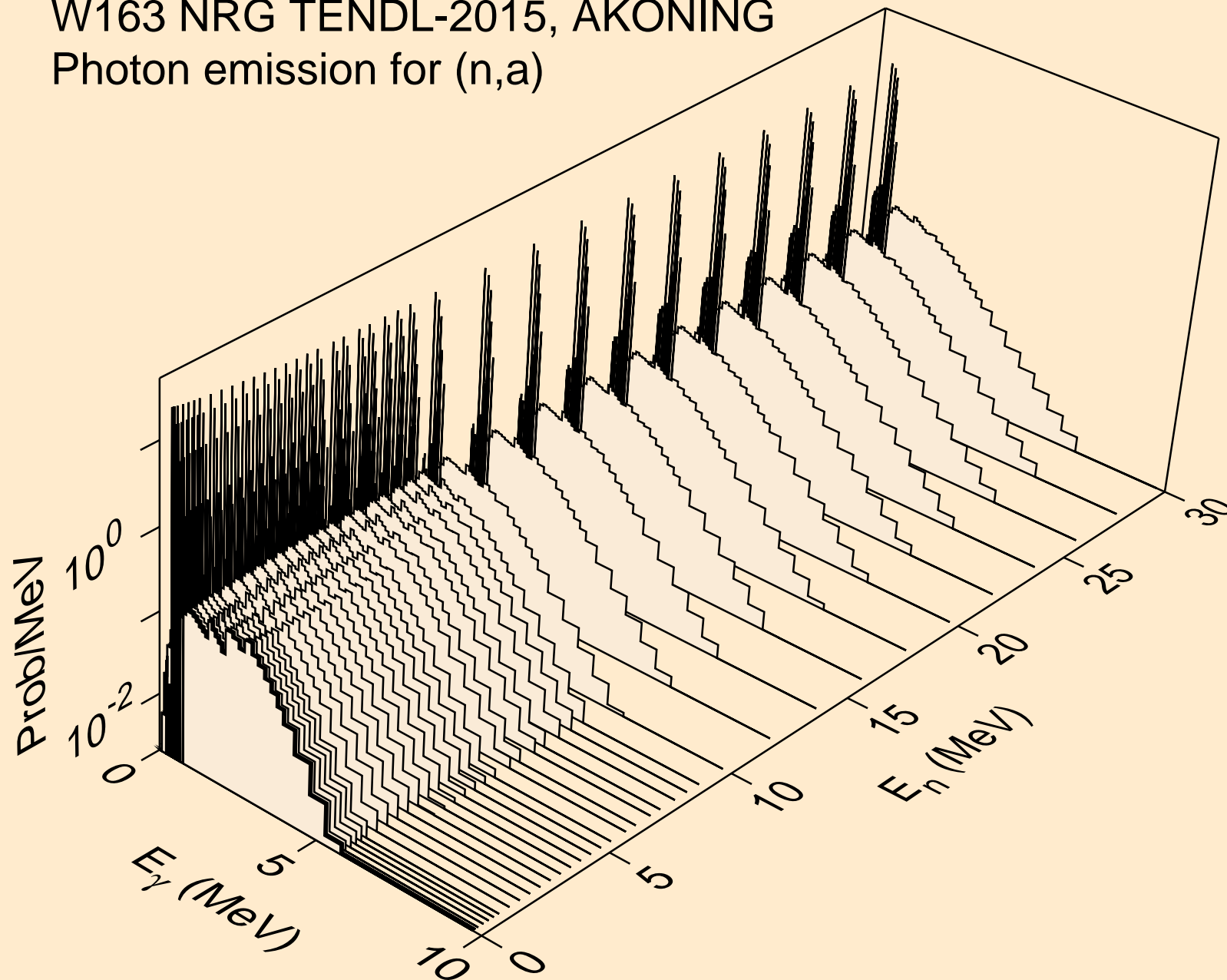
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



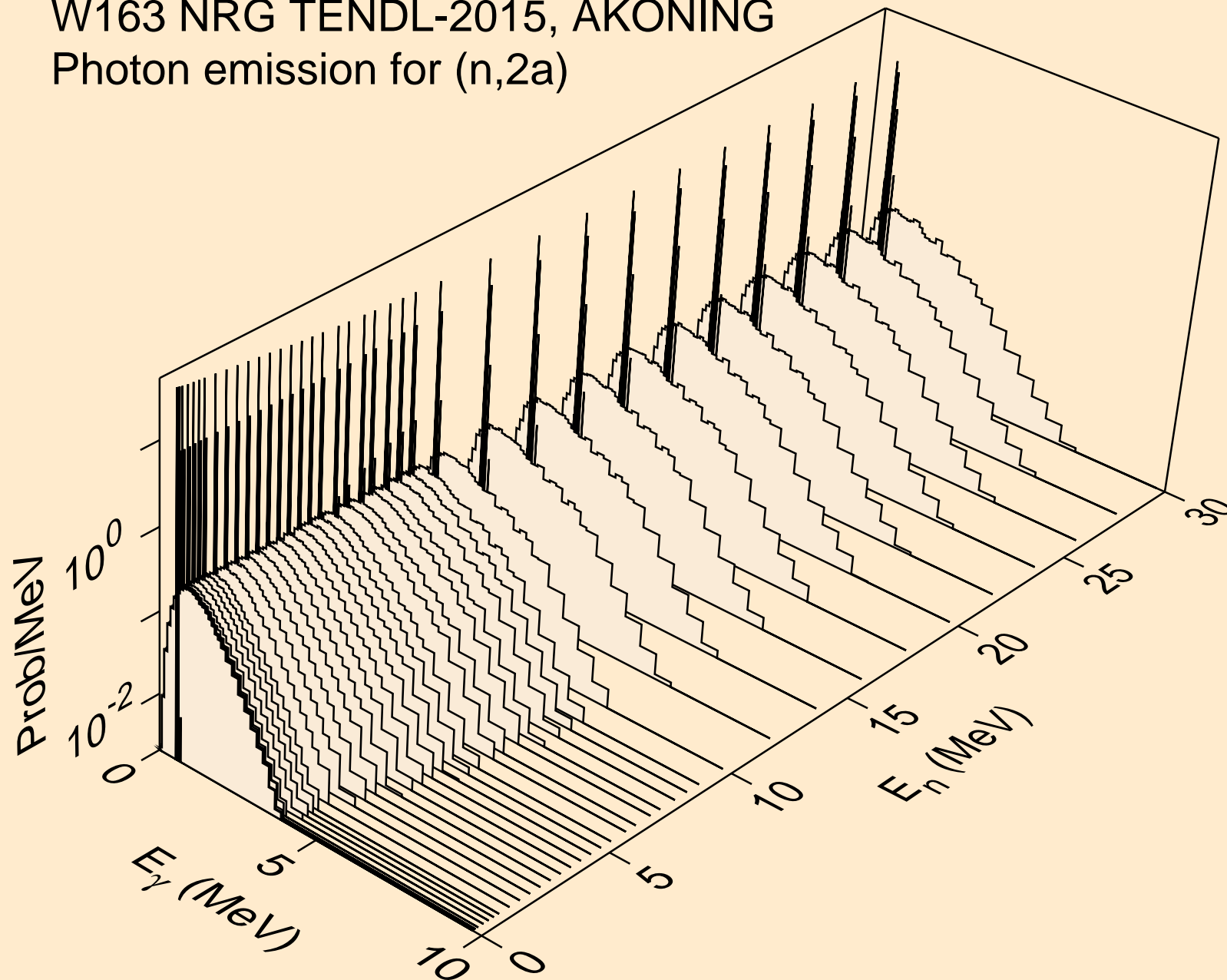
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



W163 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

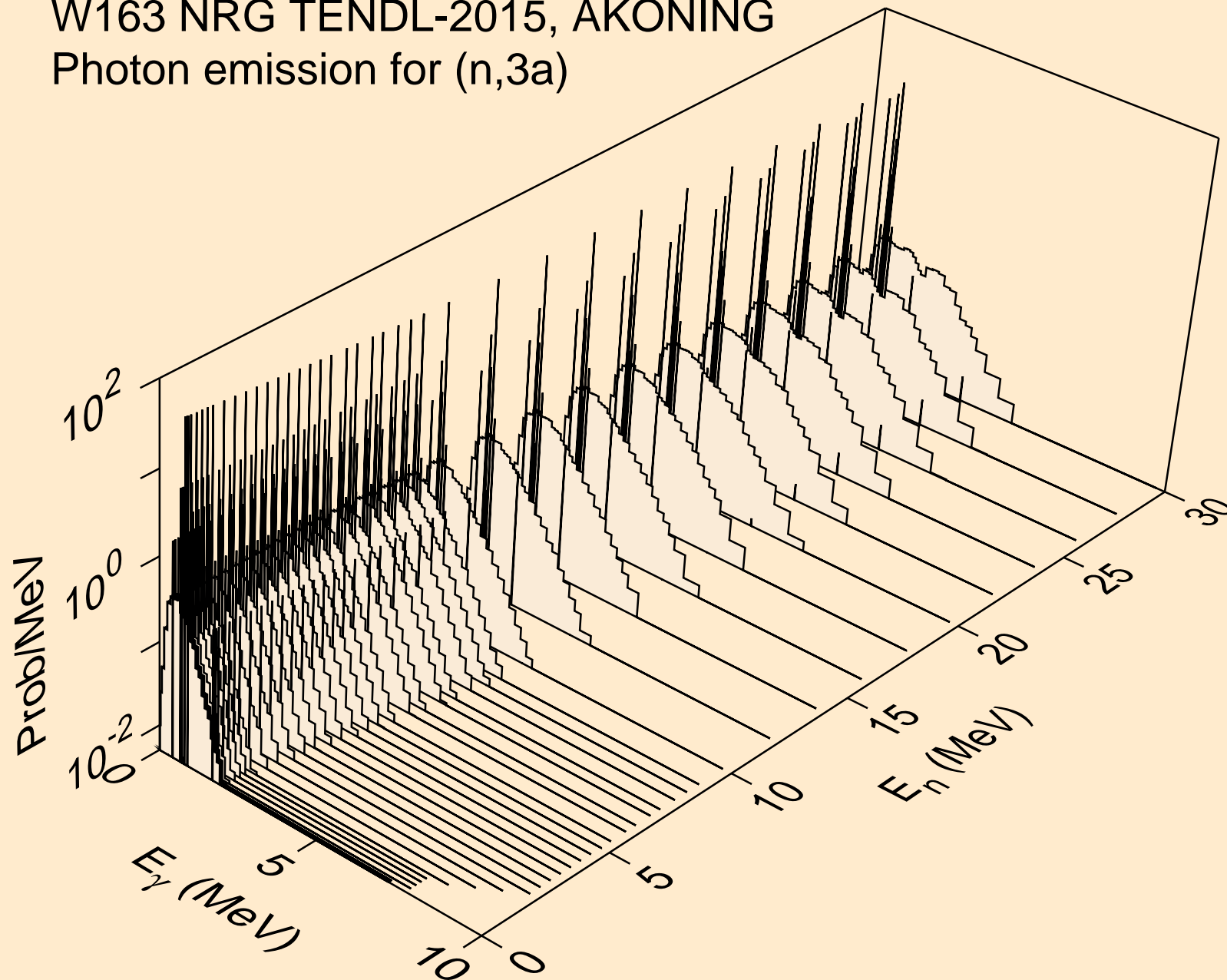


W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

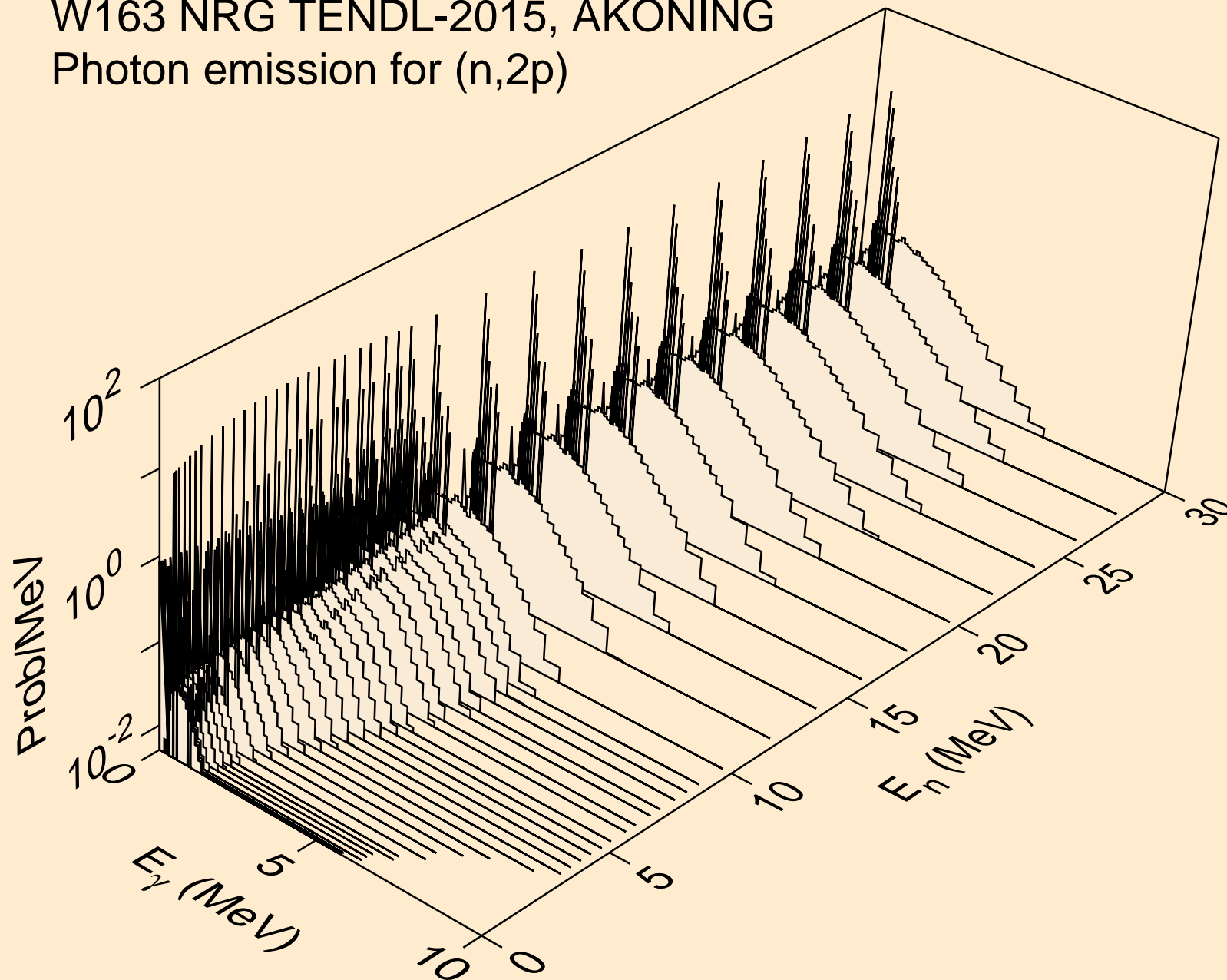




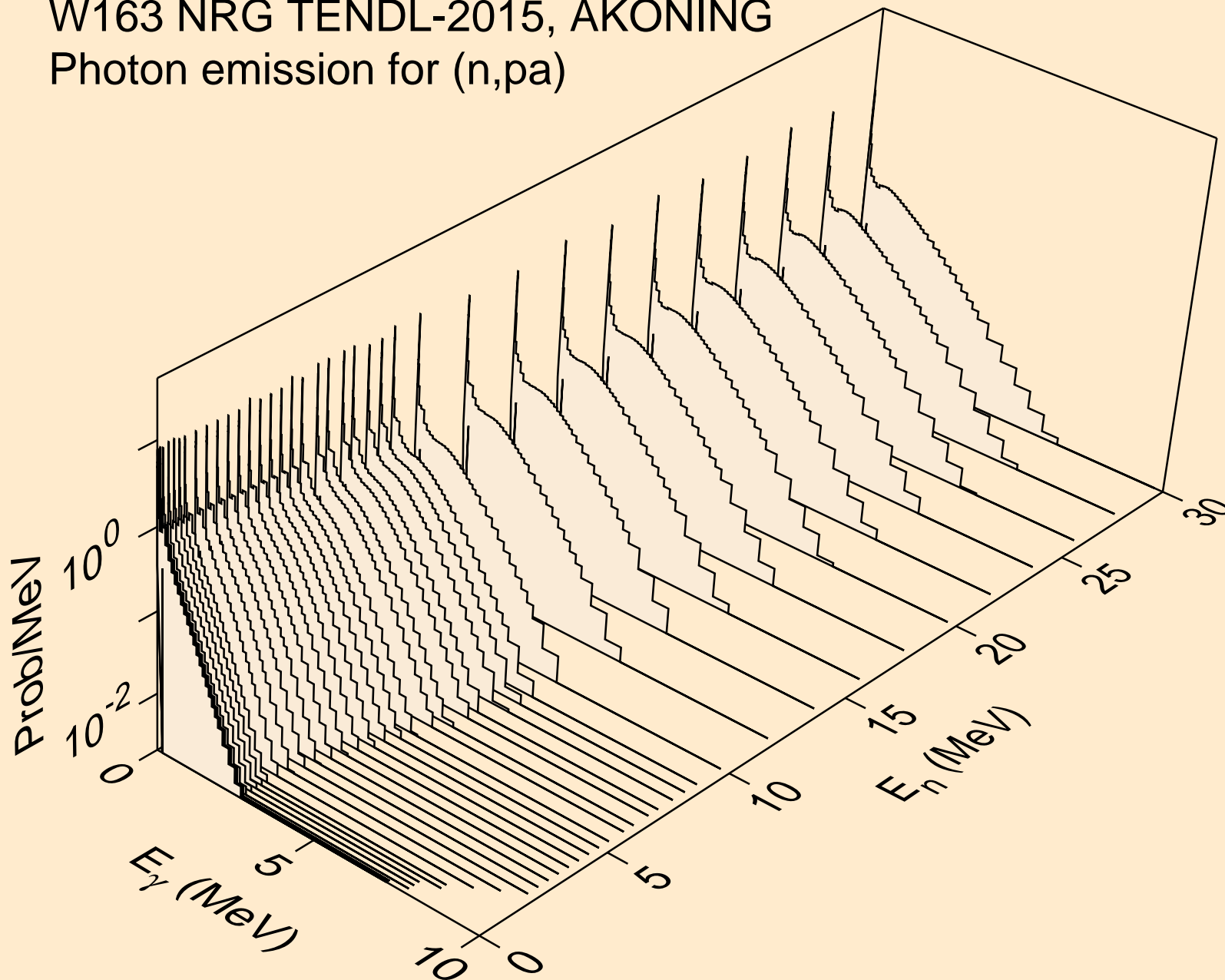
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



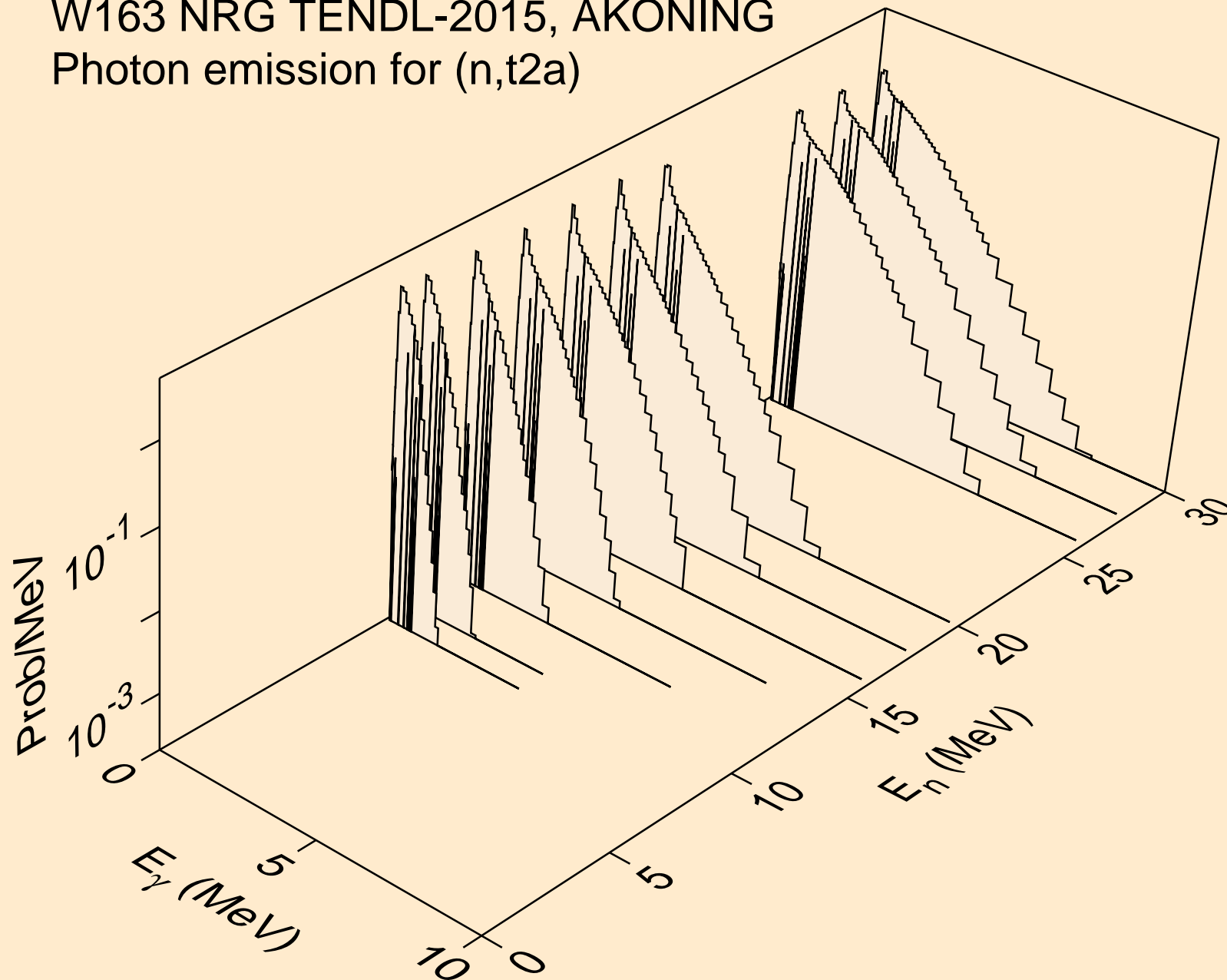
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



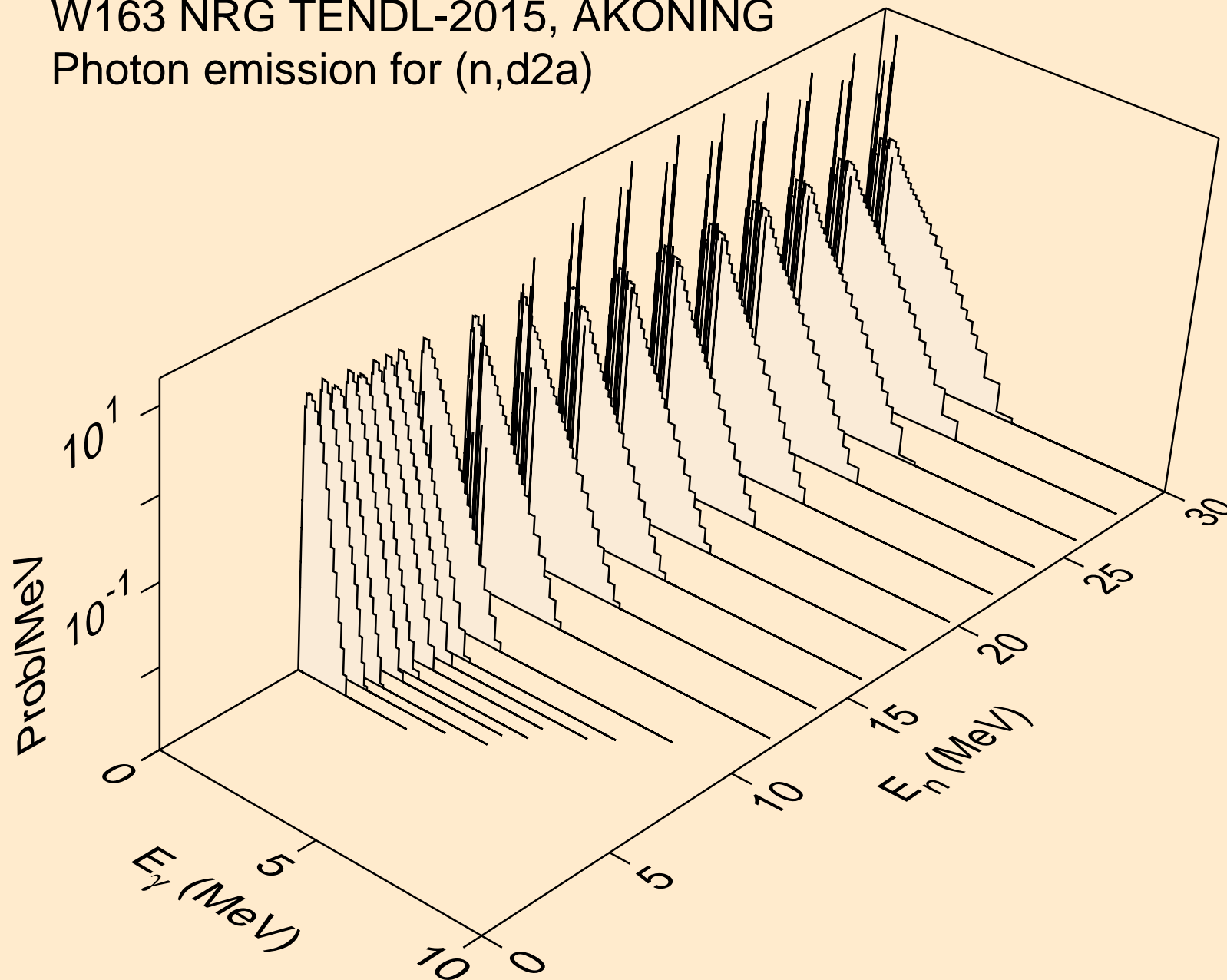
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



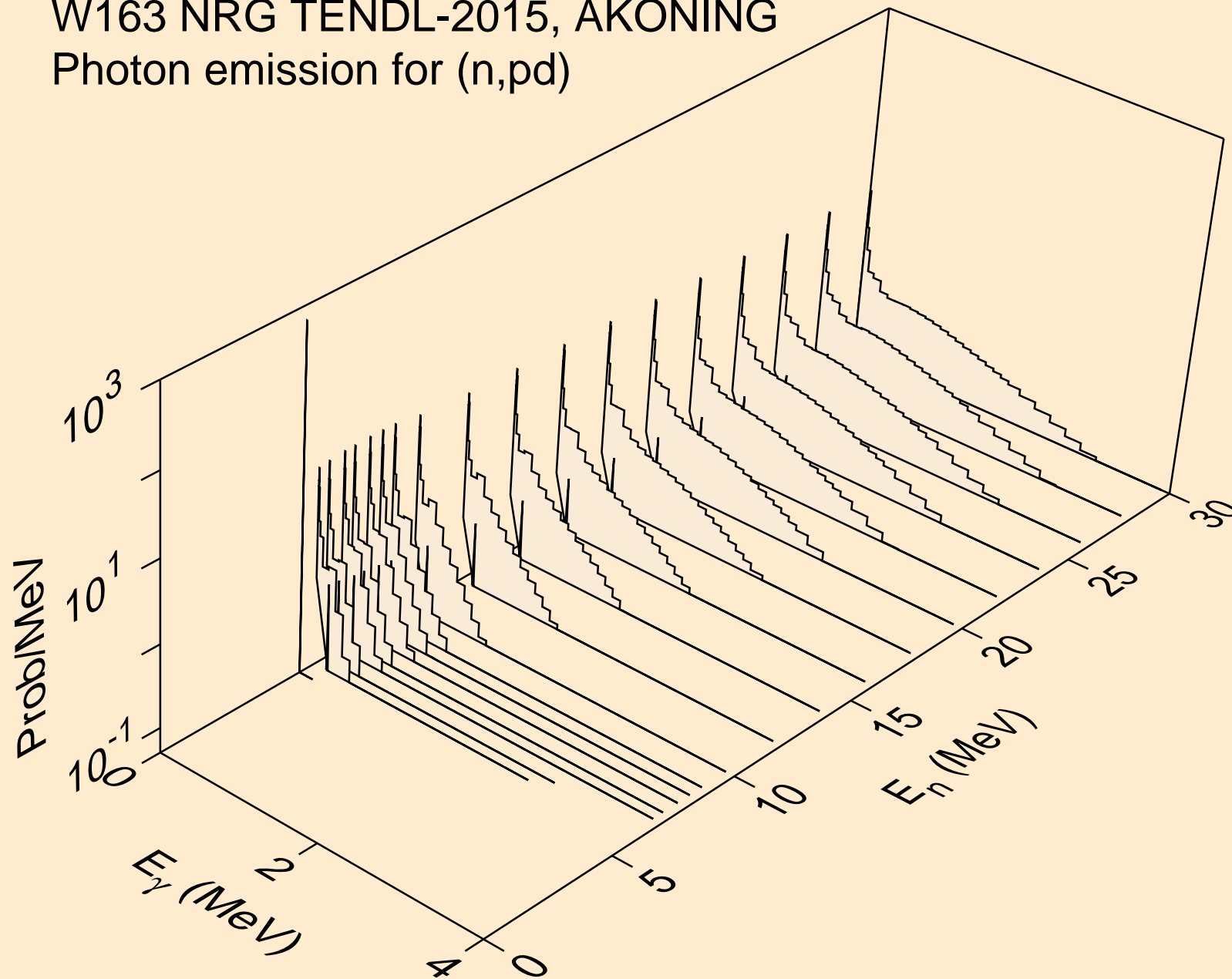
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



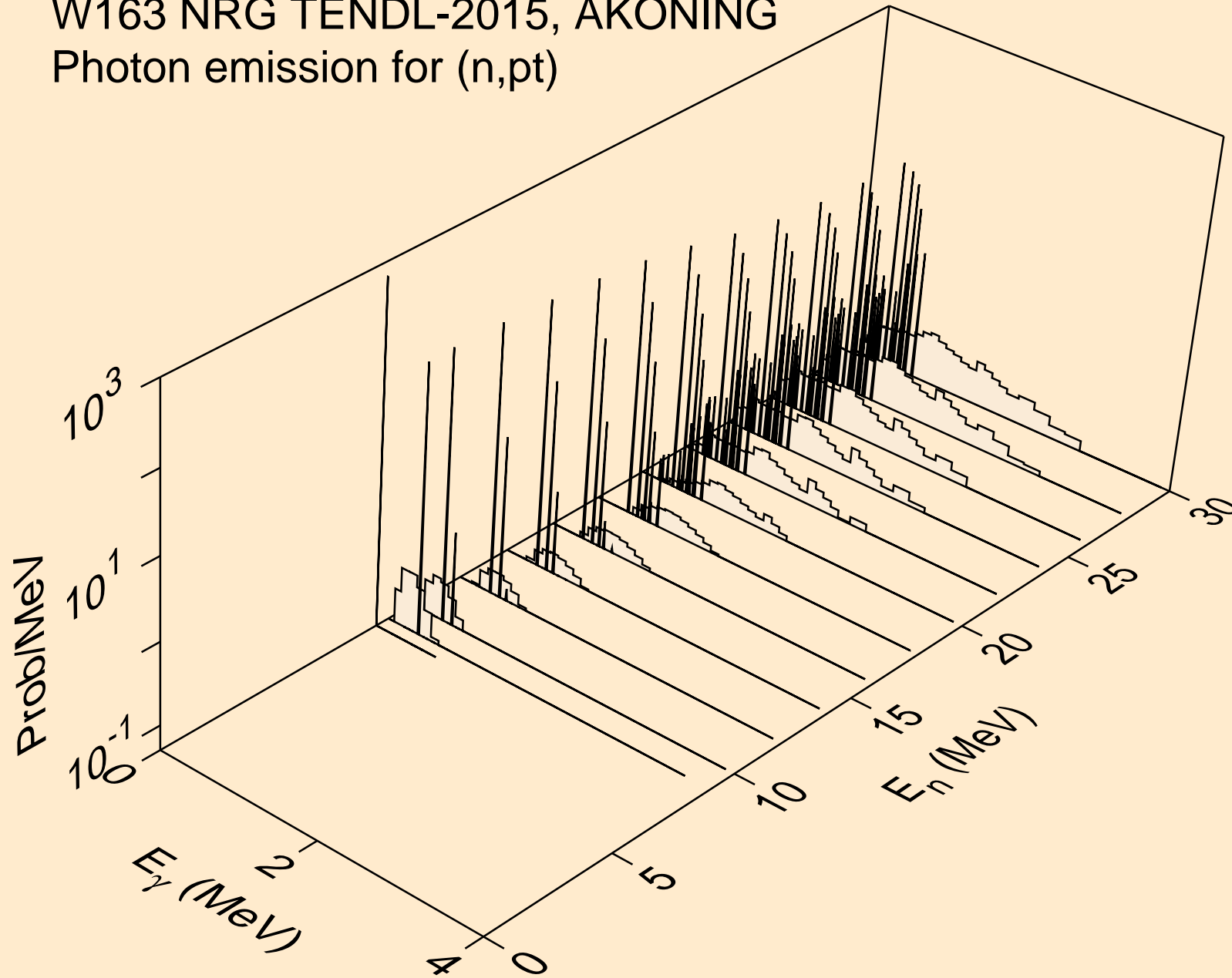
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



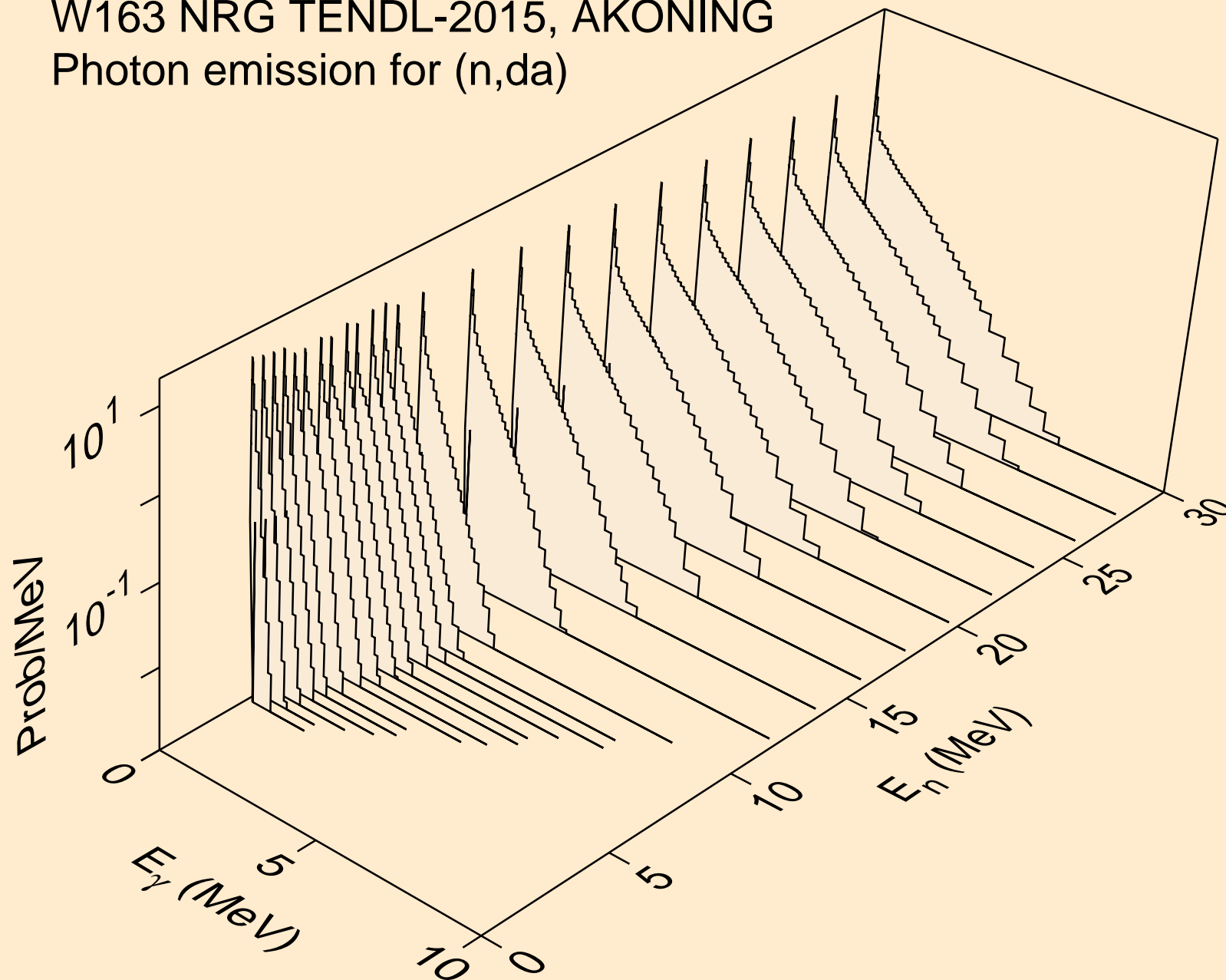
W163 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



W163 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

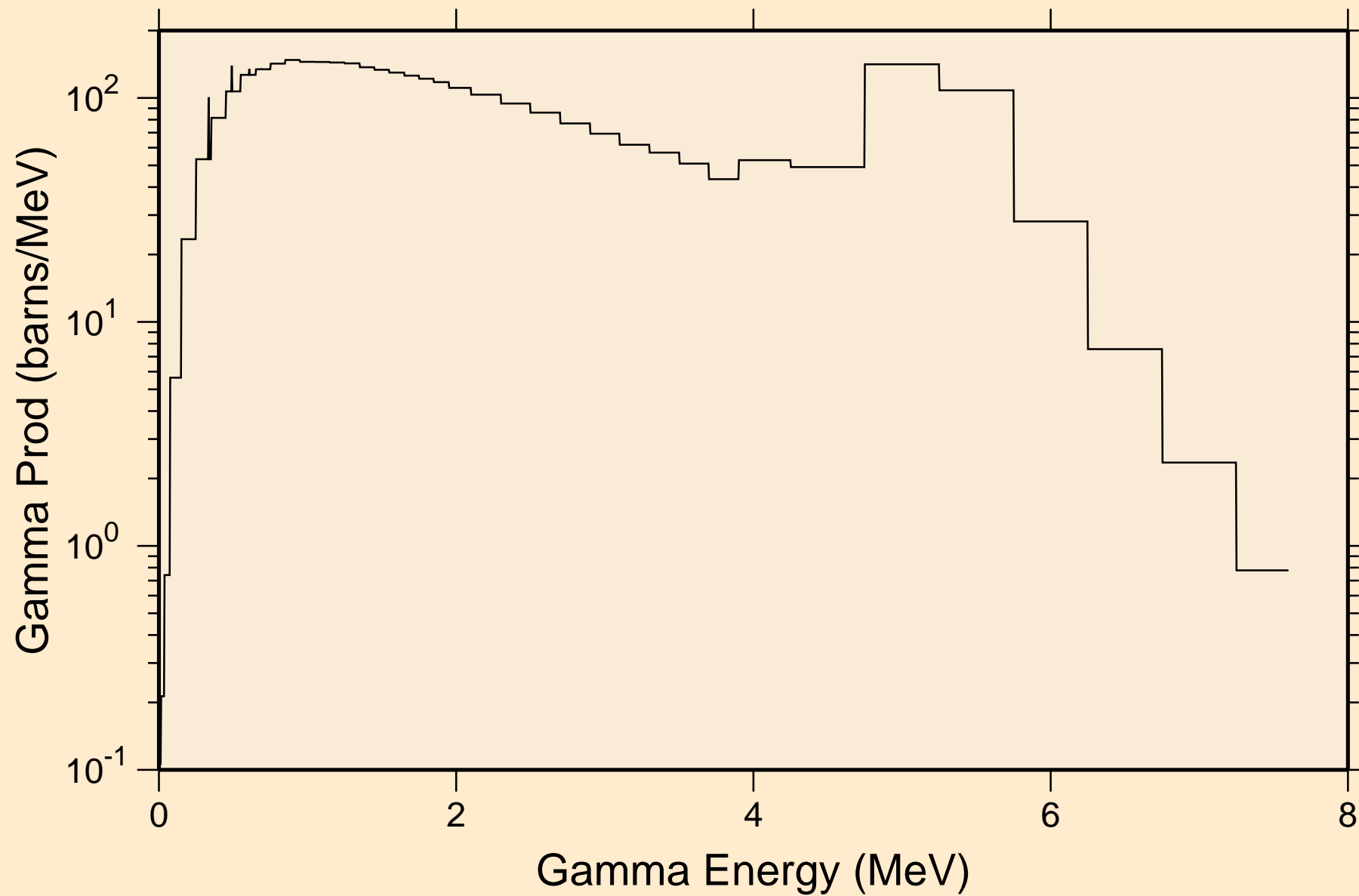


W163 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

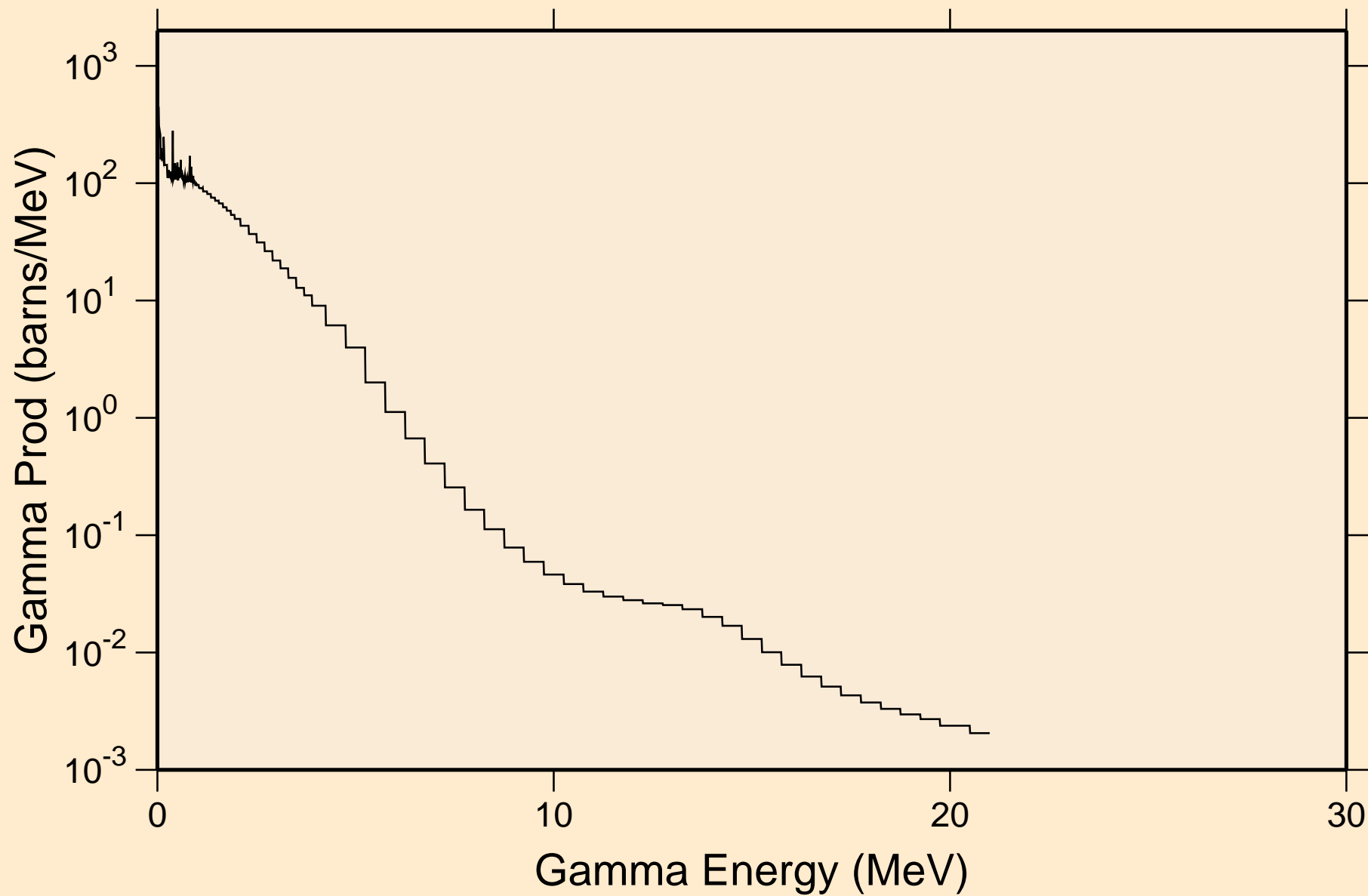




W163 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

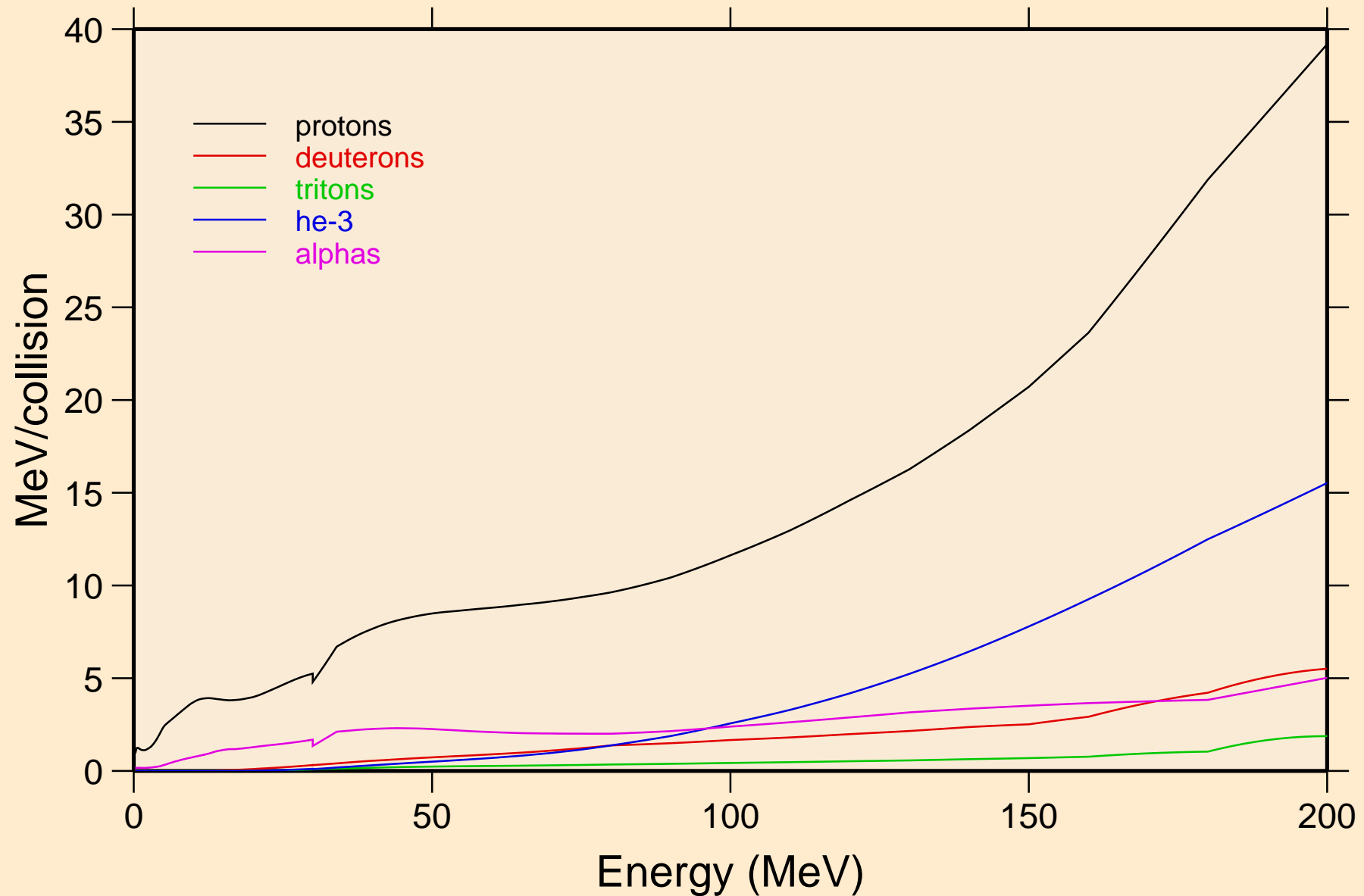


W163 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



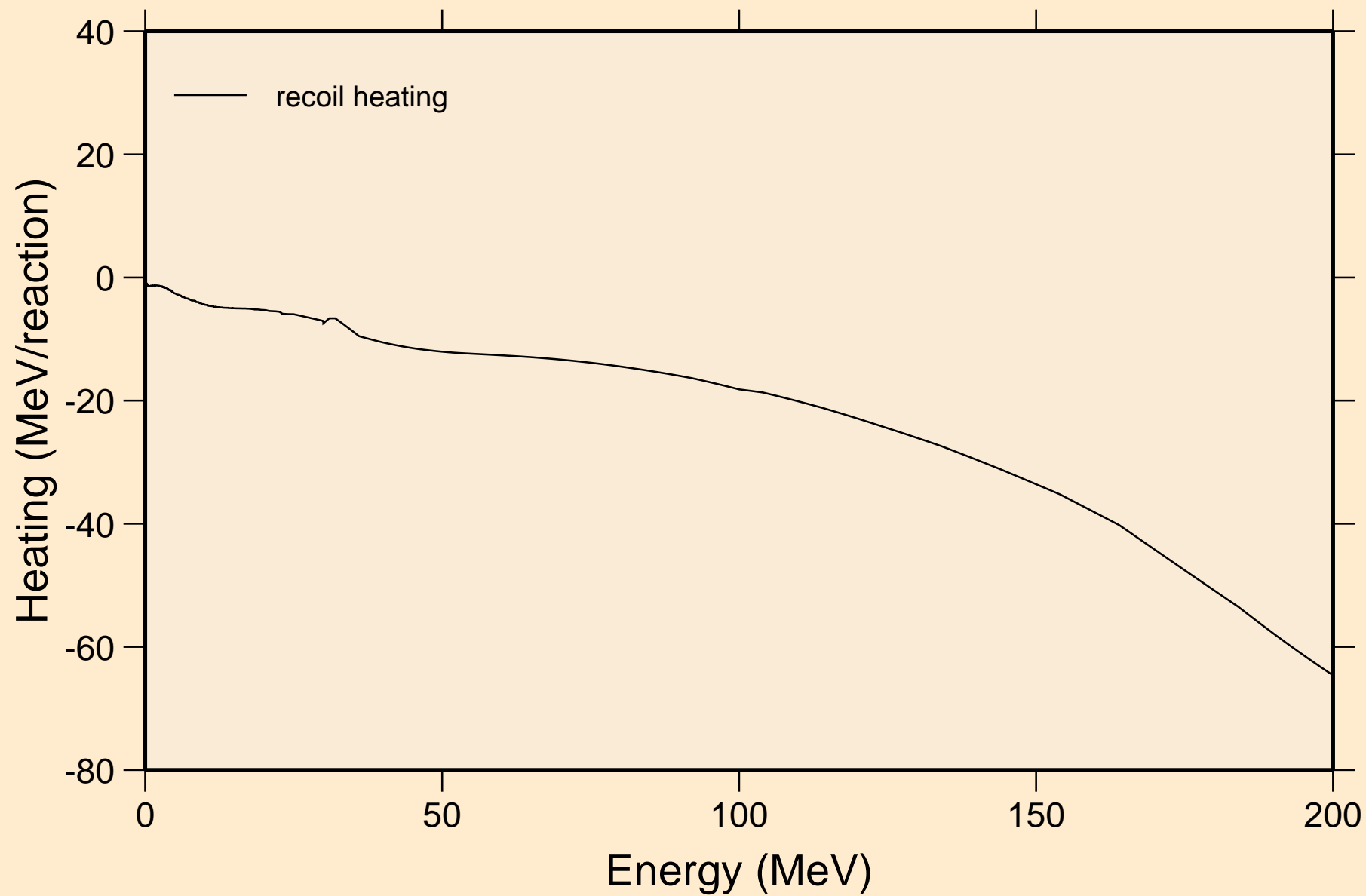
# W163 NRG TENDL-2015, AKONING

## Particle heating contributions



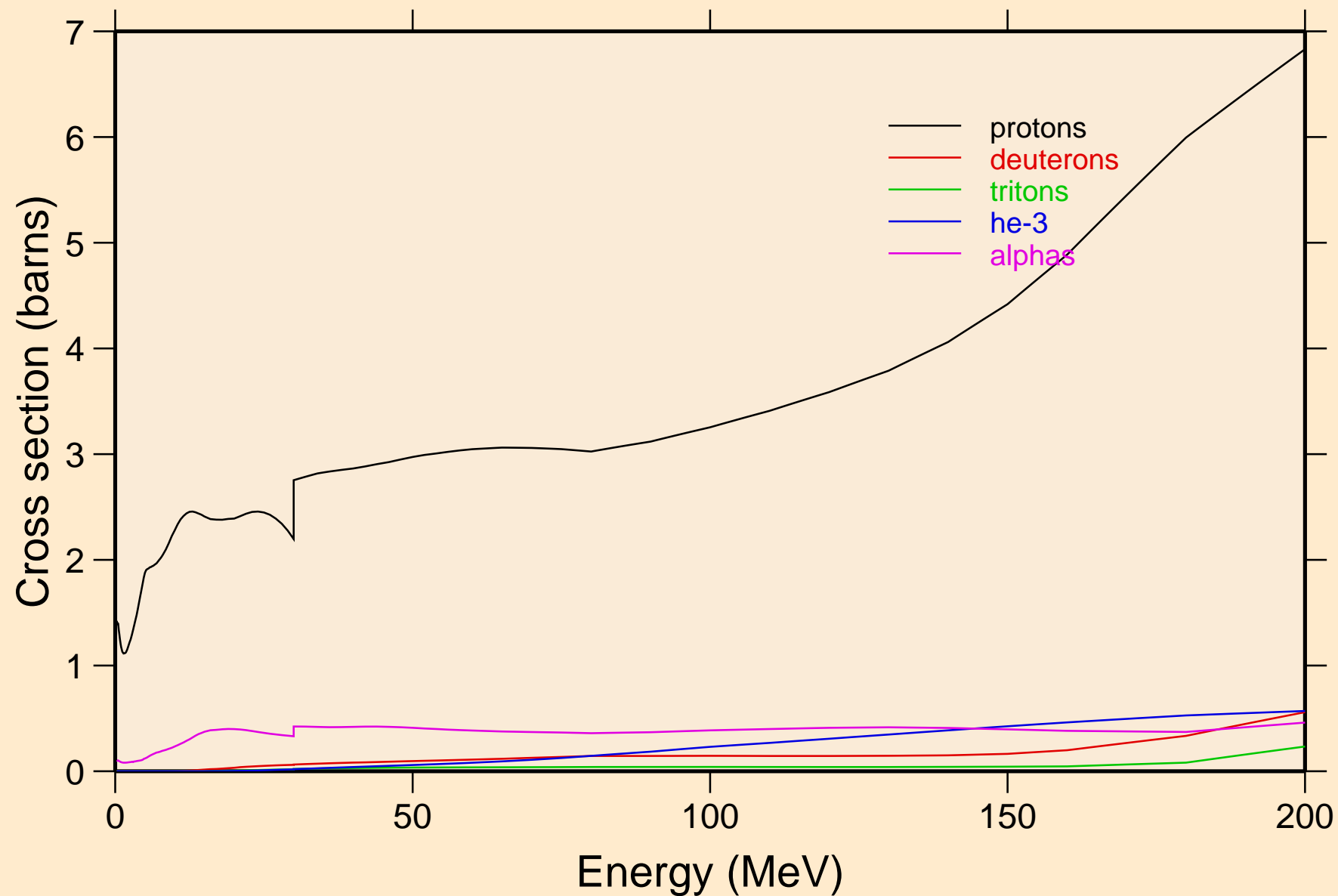
# W163 NRG TENDL-2015, AKONING

## Recoil Heating

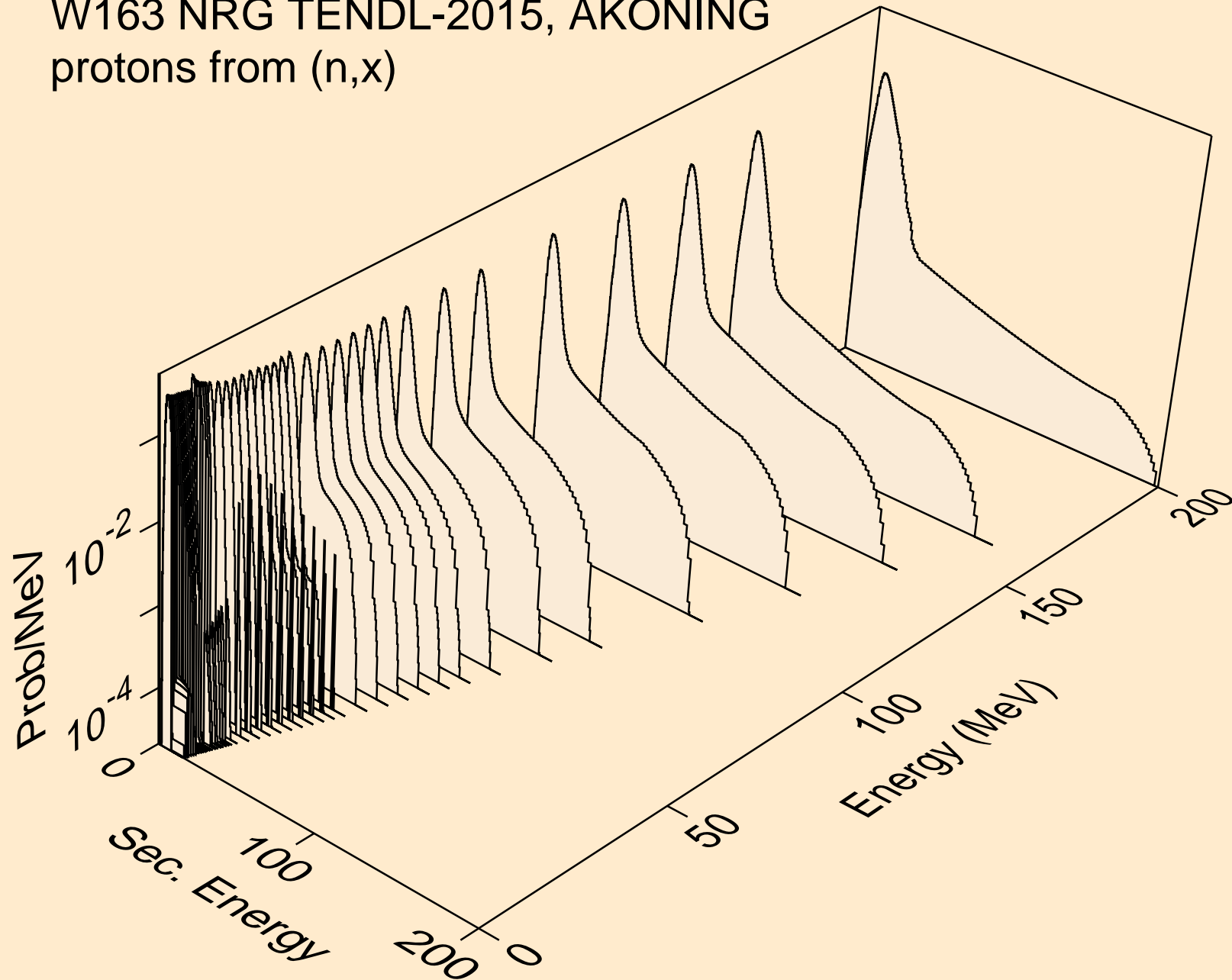


# W163 NRG TENDL-2015, AKONING

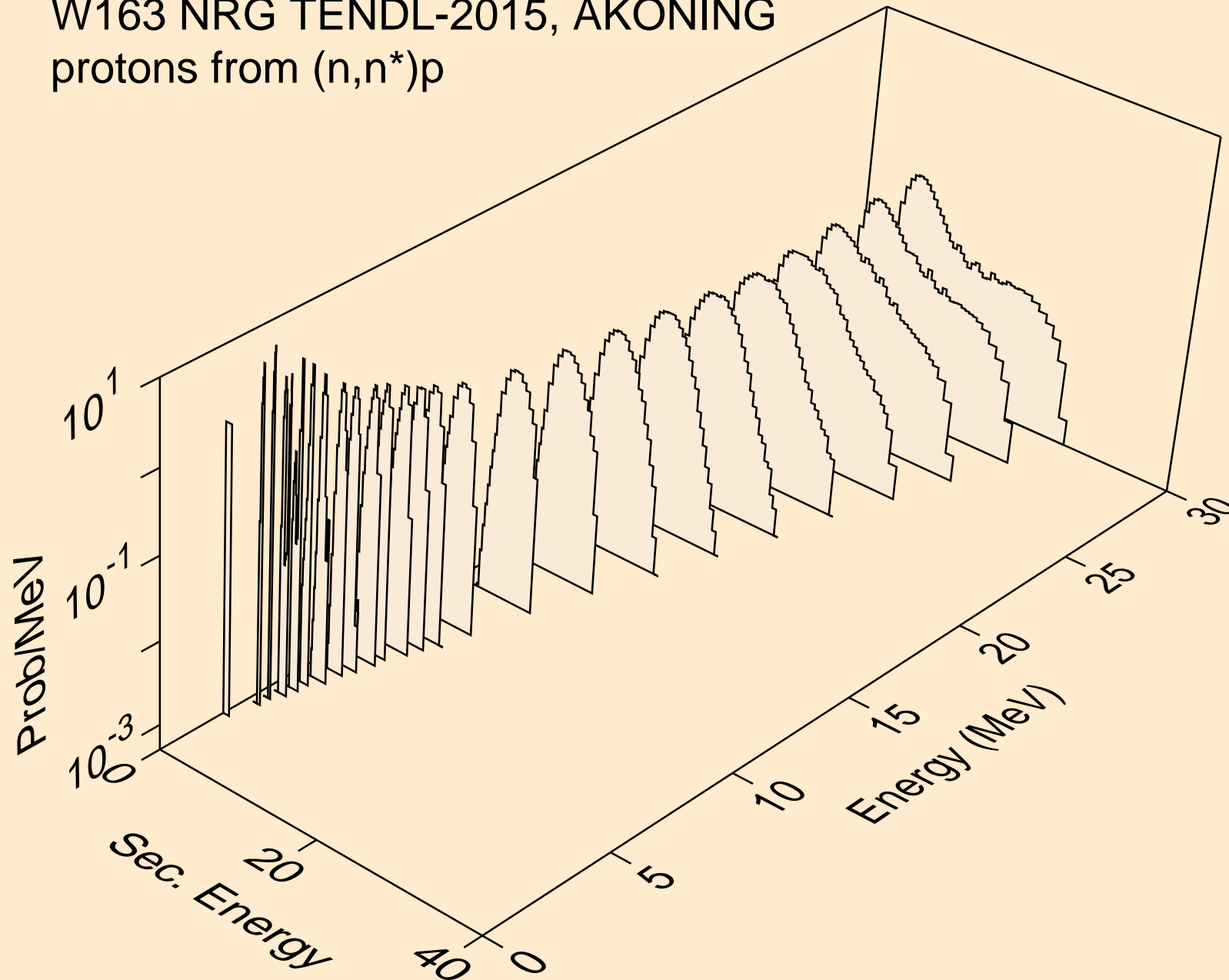
## Particle production cross sections



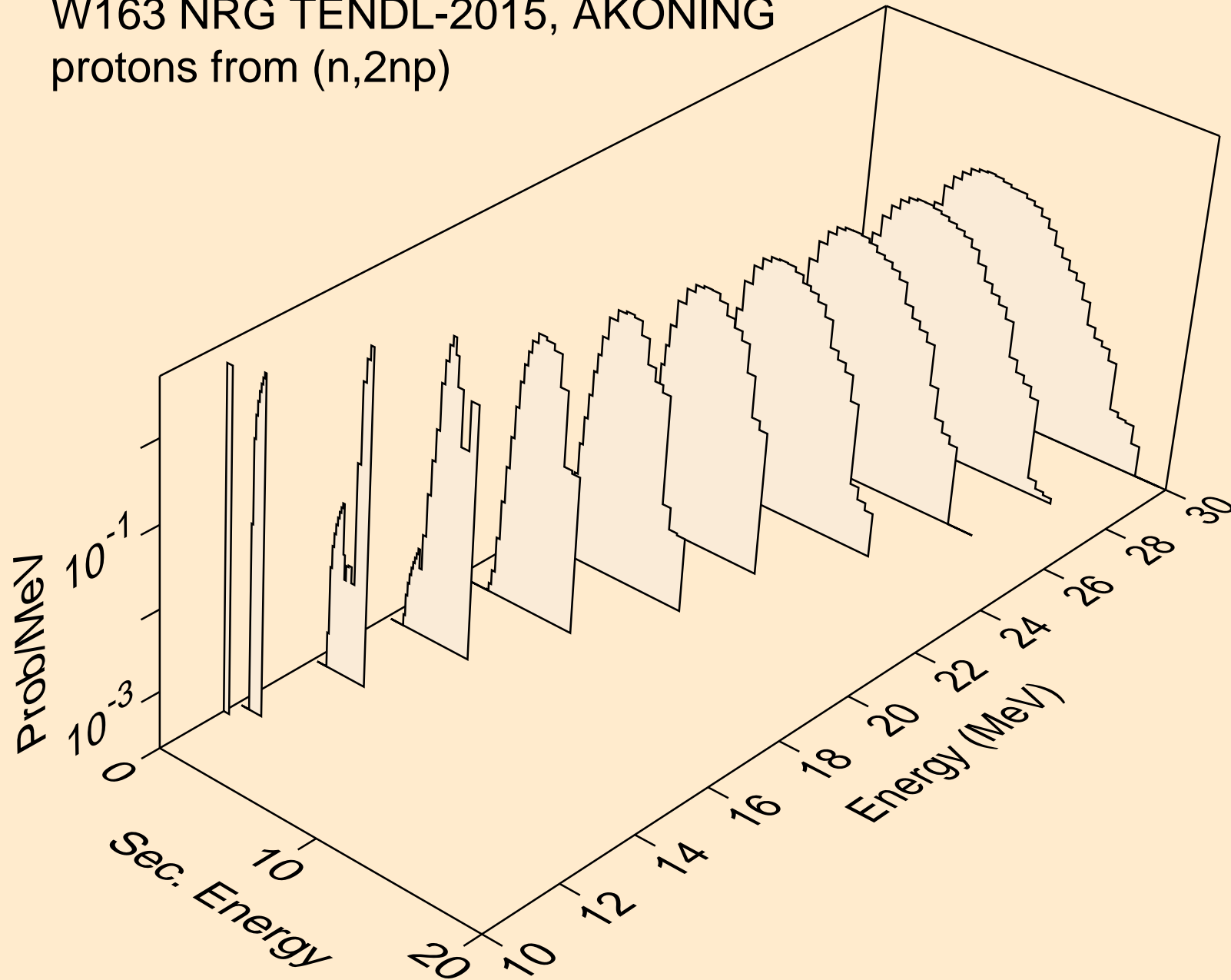
W163 NRG TENDL-2015, AKONING  
protons from (n,x)



W163 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$

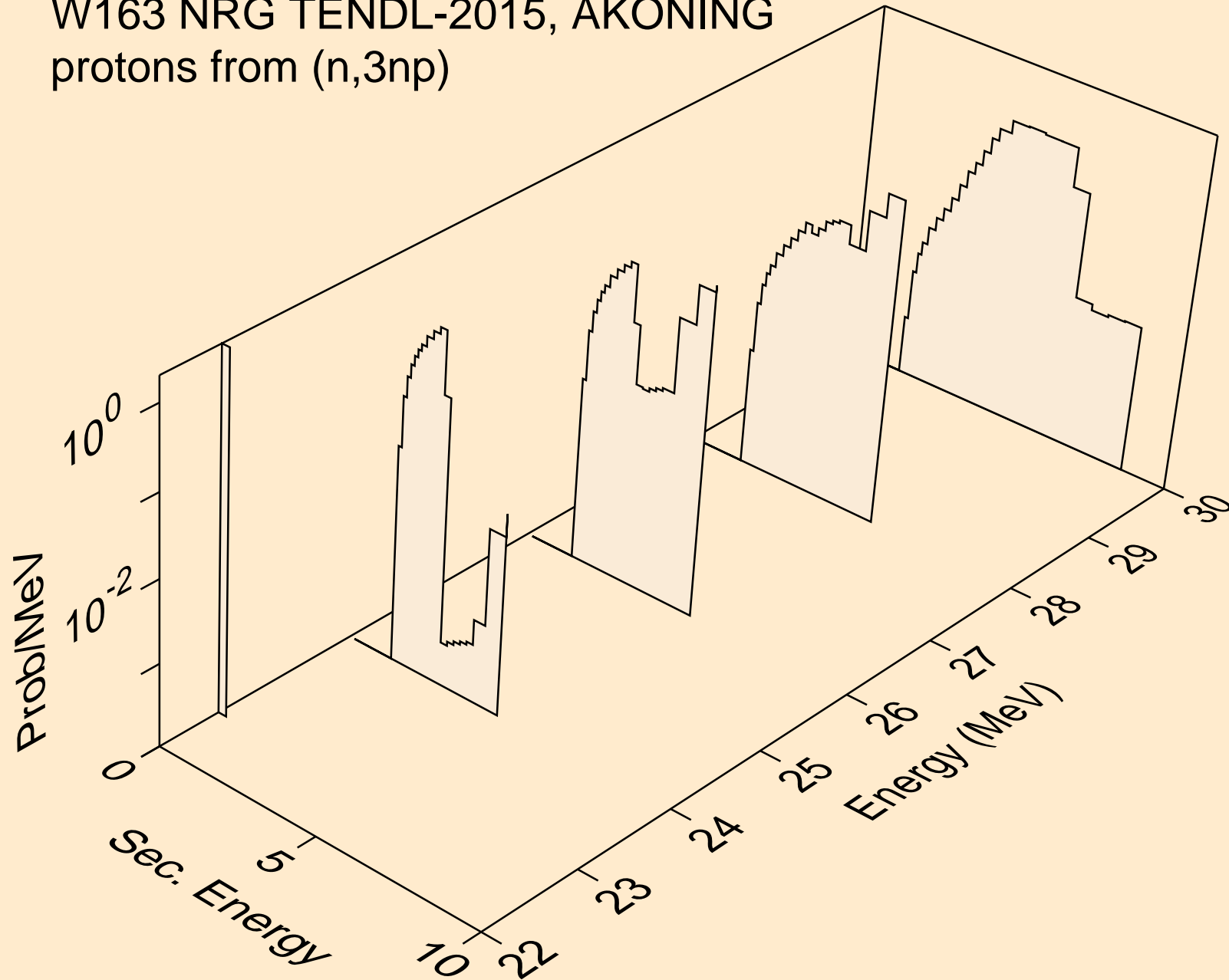


W163 NRG TENDL-2015, AKONING  
protons from (n,2np)

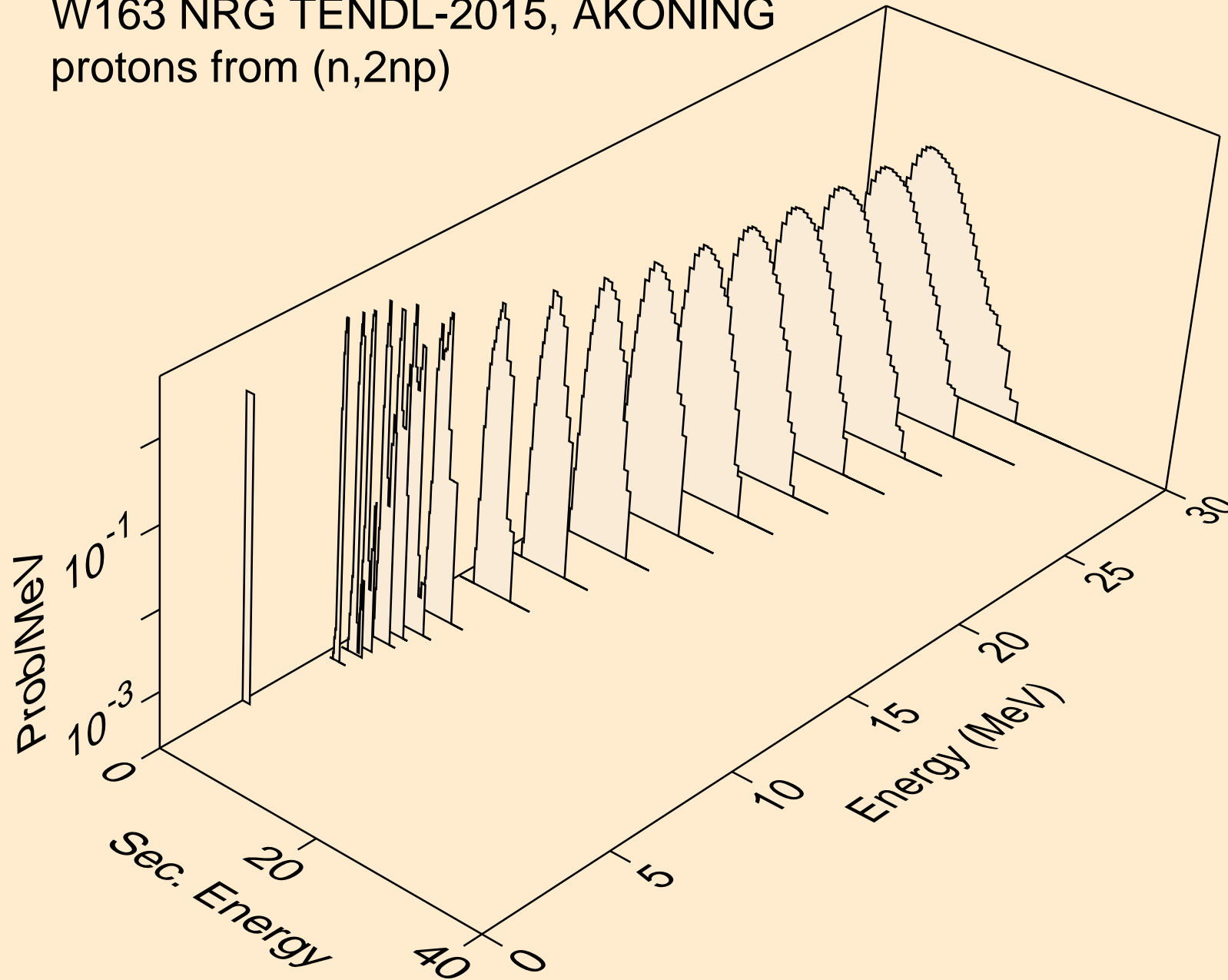




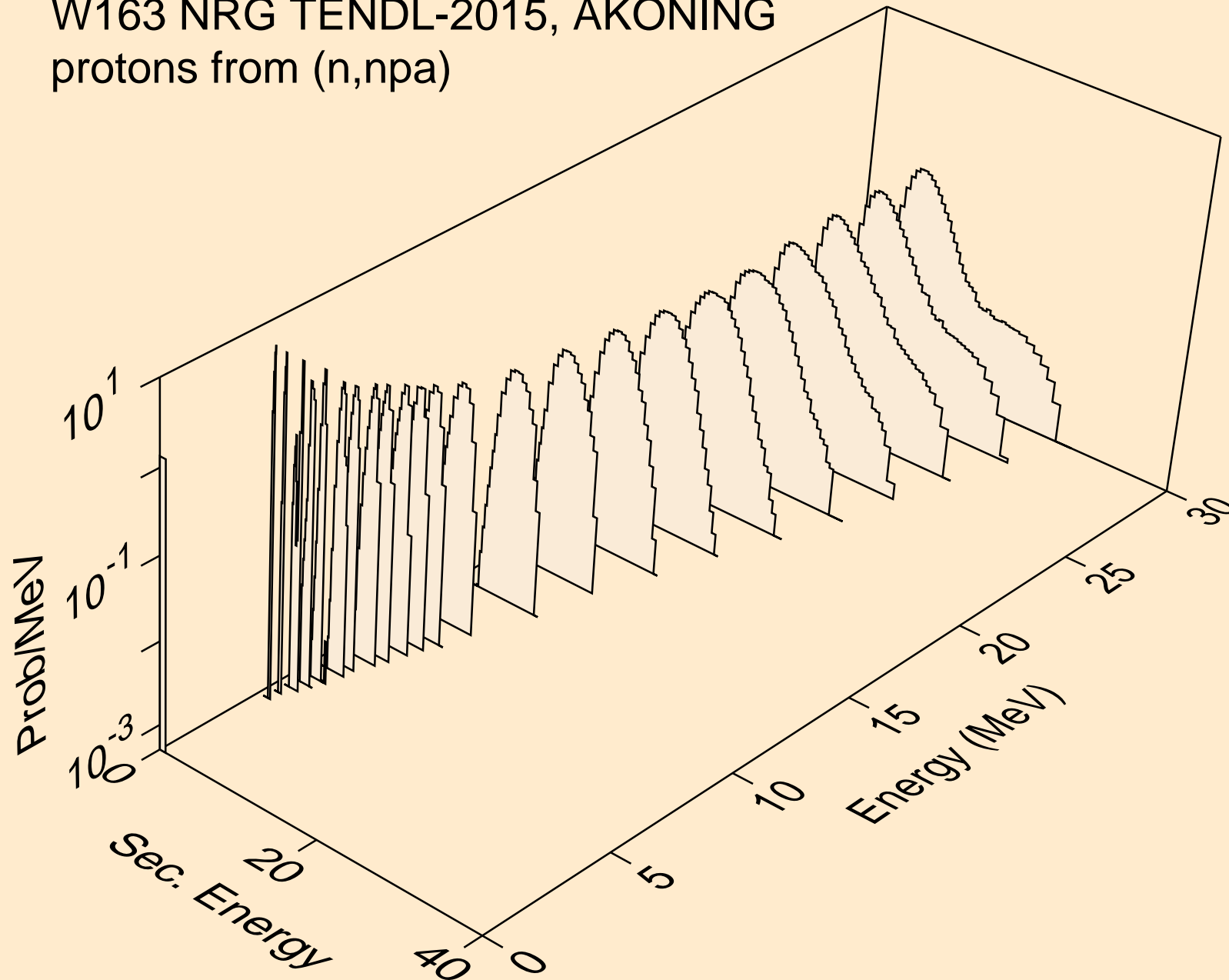
W163 NRG TENDL-2015, AKONING  
protons from (n,3np)



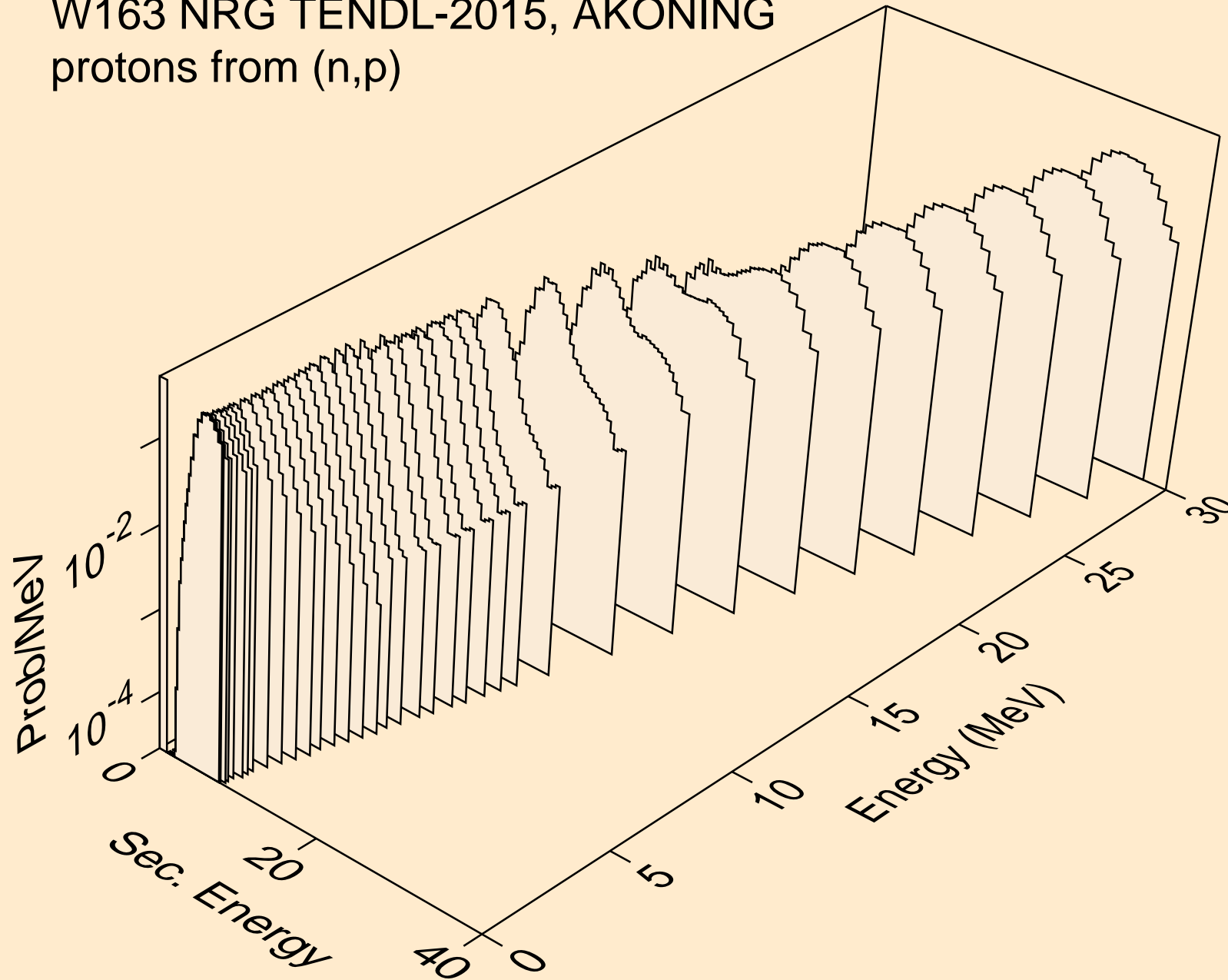
W163 NRG TENDL-2015, AKONING  
protons from (n,2np)



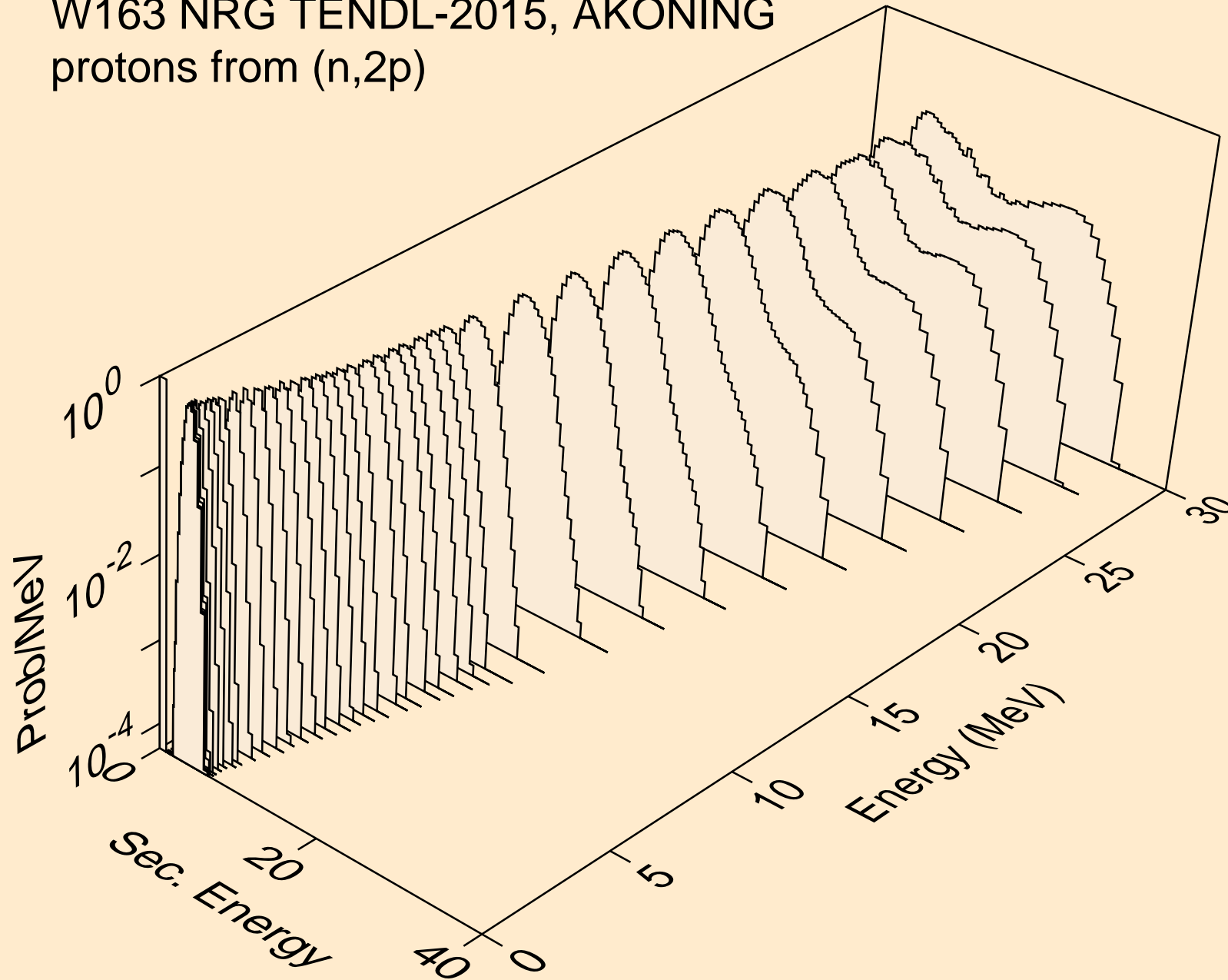
W163 NRG TENDL-2015, AKONING  
protons from (n,npa)



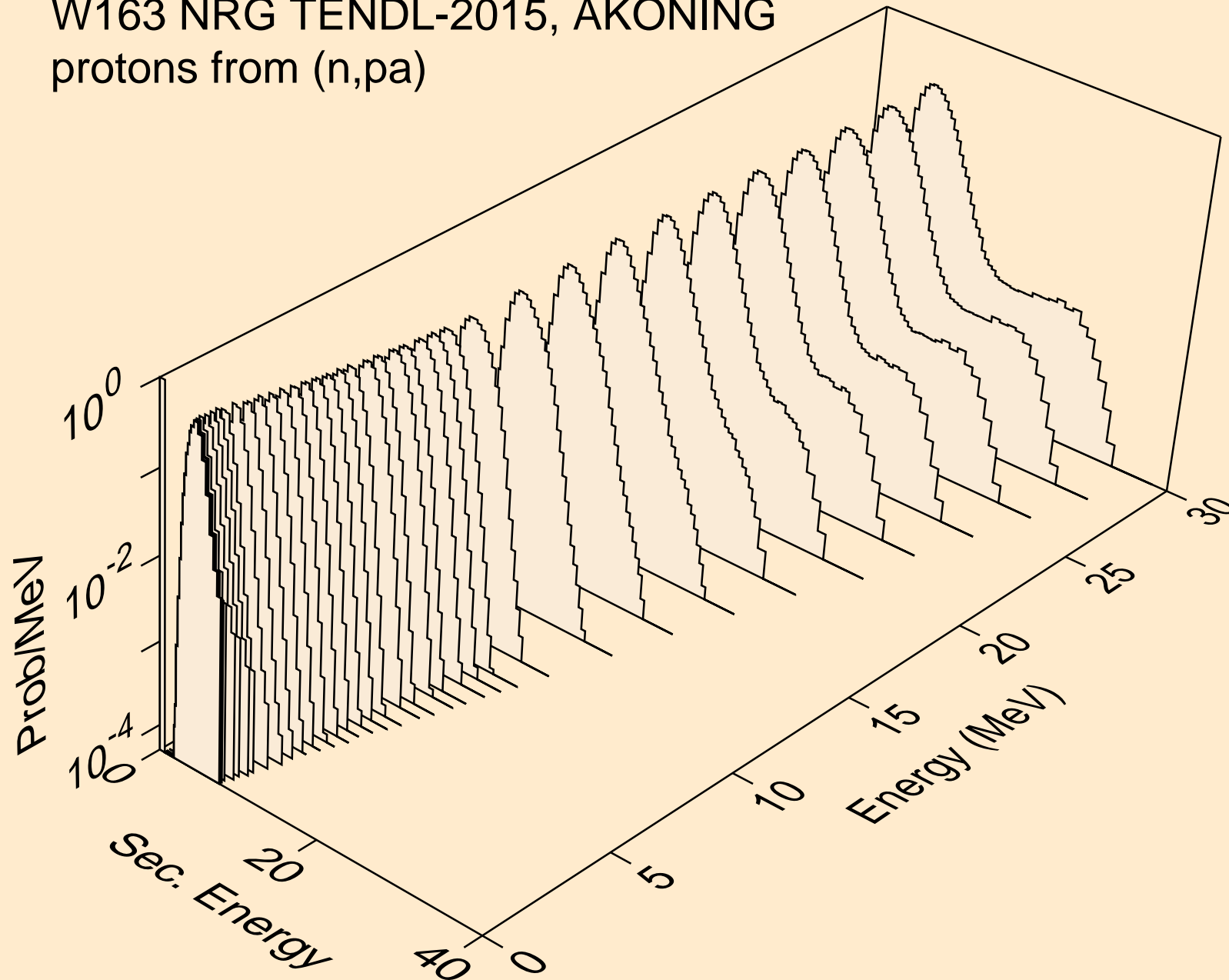
W163 NRG TENDL-2015, AKONING  
protons from (n,p)



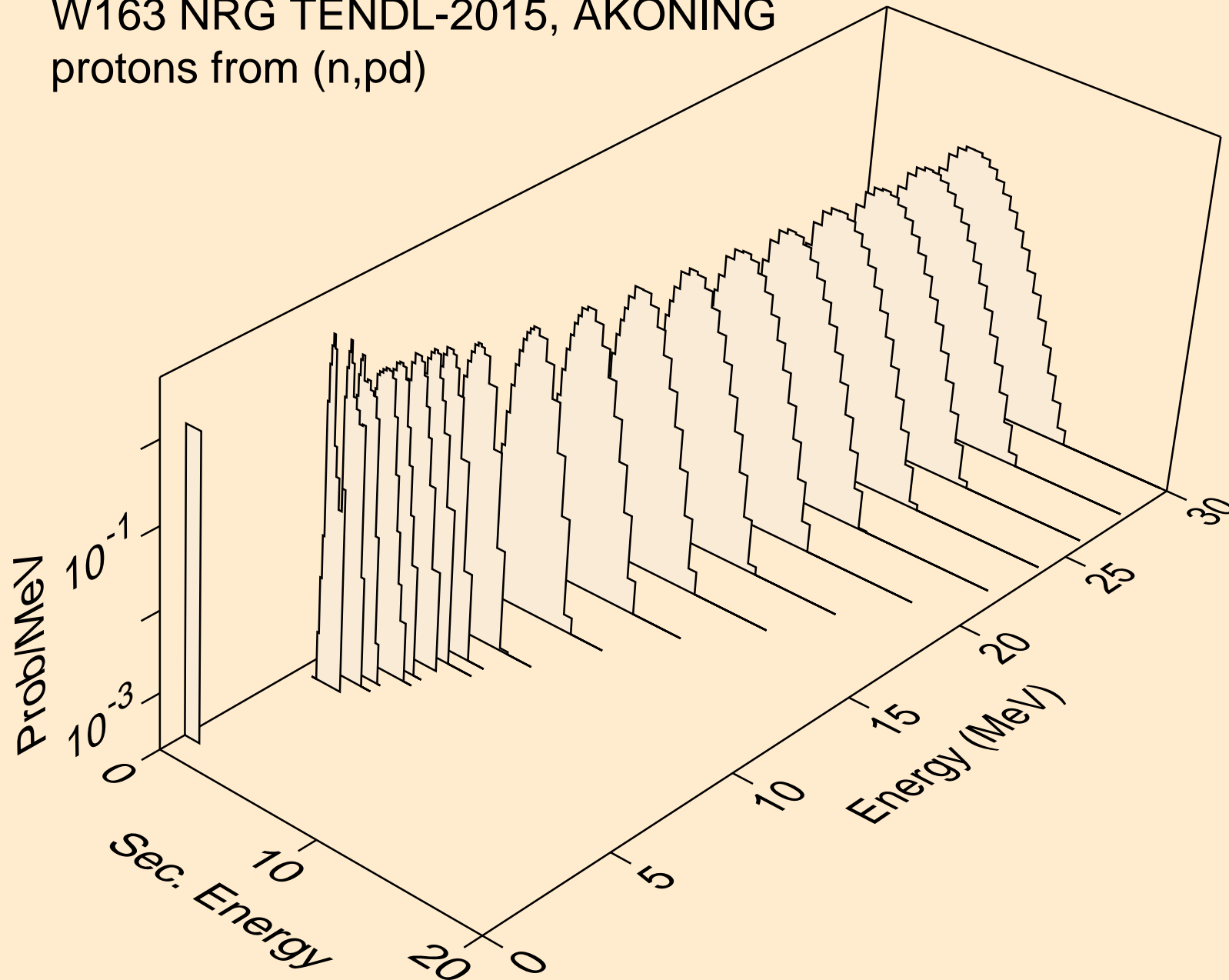
W163 NRG TENDL-2015, AKONING  
protons from (n,2p)



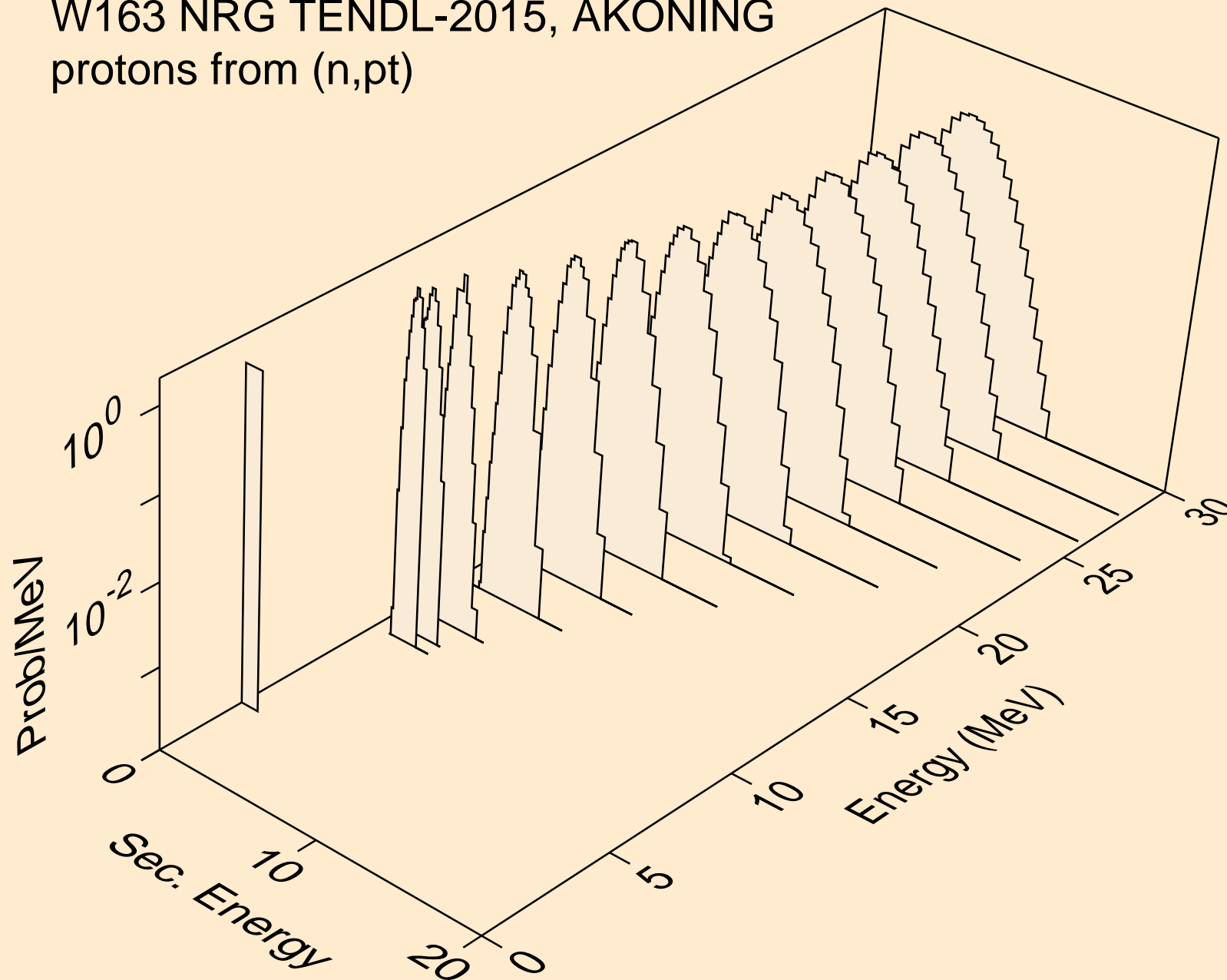
W163 NRG TENDL-2015, AKONING  
protons from (n,pa)



W163 NRG TENDL-2015, AKONING  
protons from (n,pd)

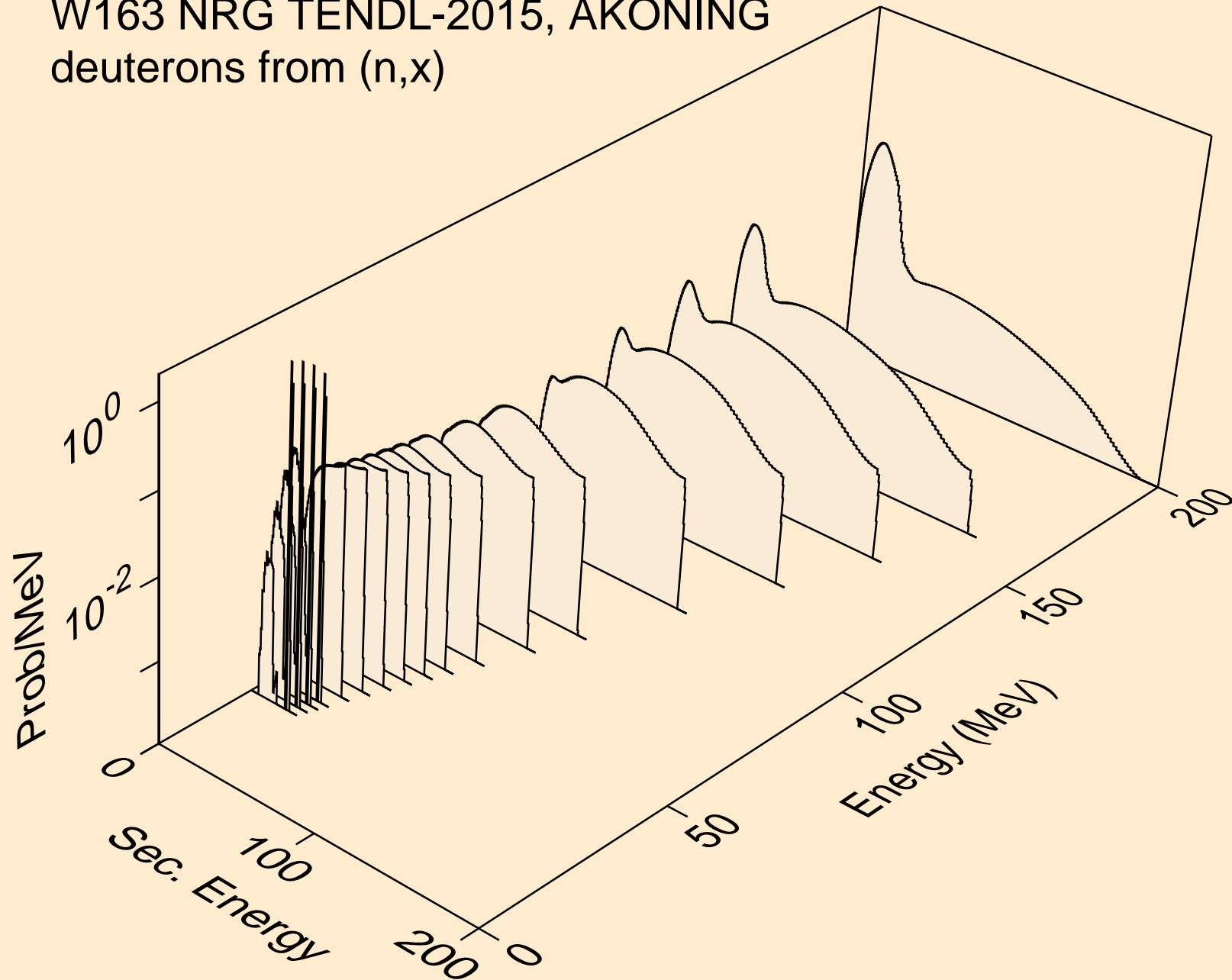


W163 NRG TENDL-2015, AKONING  
protons from (n,pt)

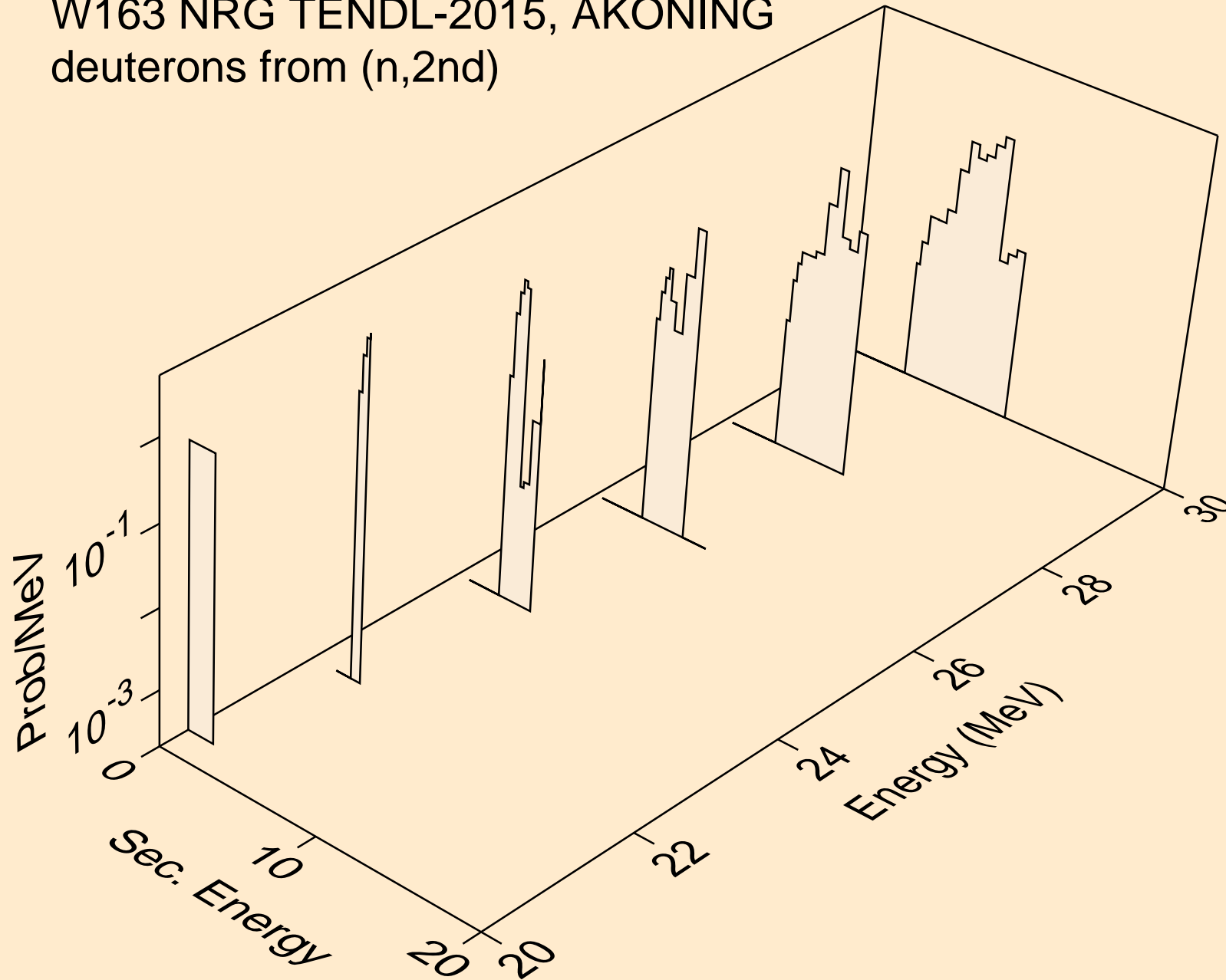




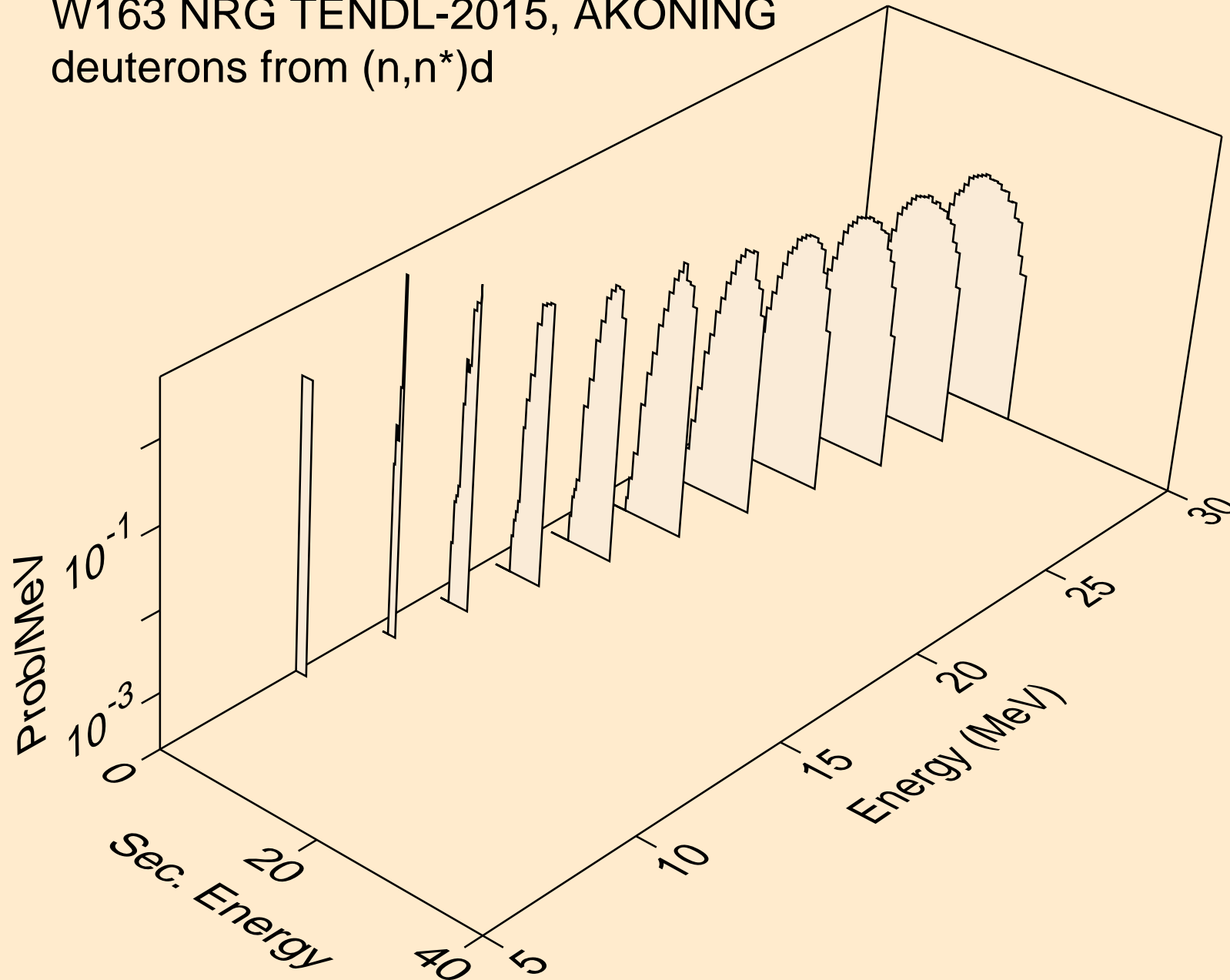
W163 NRG TENDL-2015, AKONING  
deuterons from (n,x)



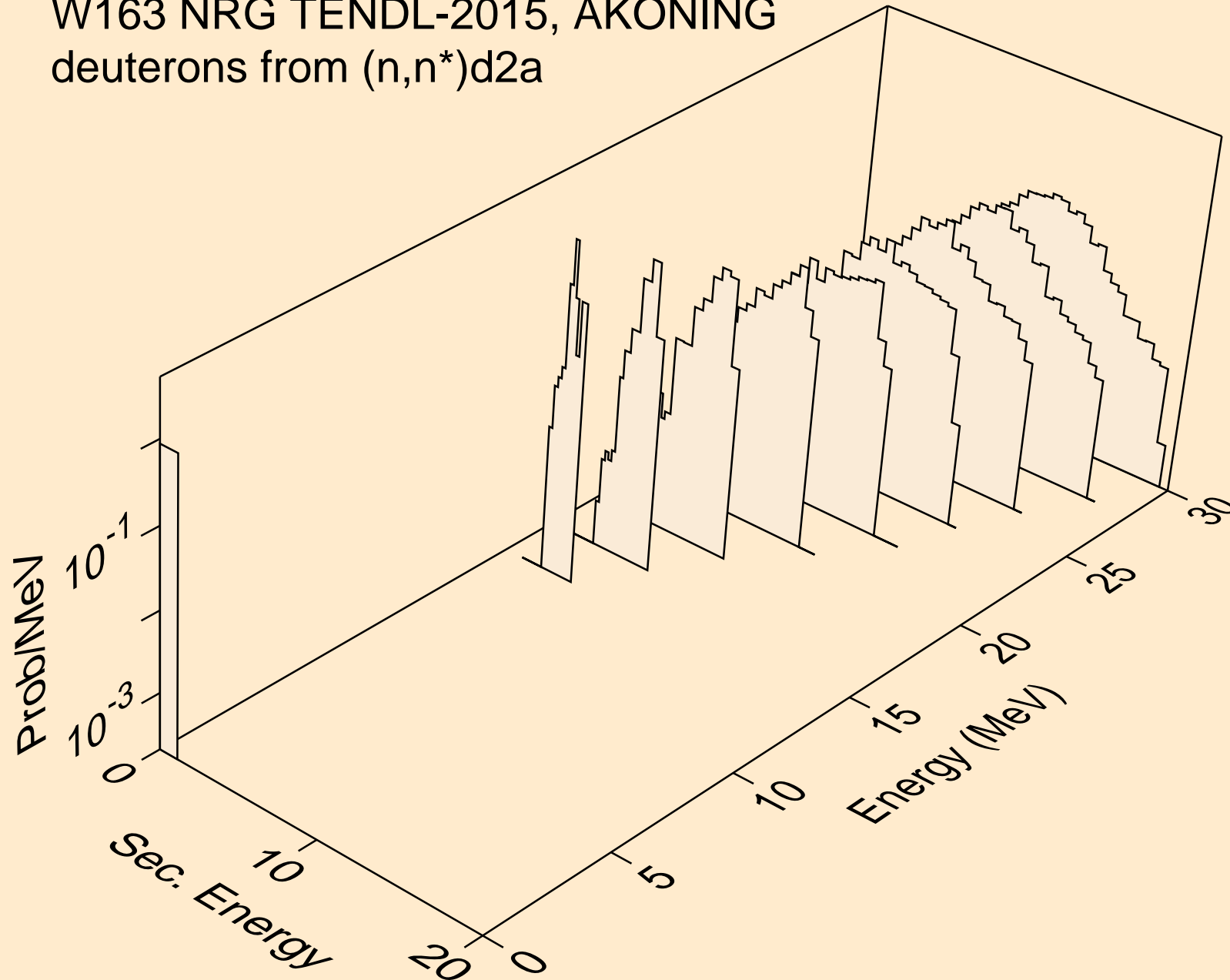
W163 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



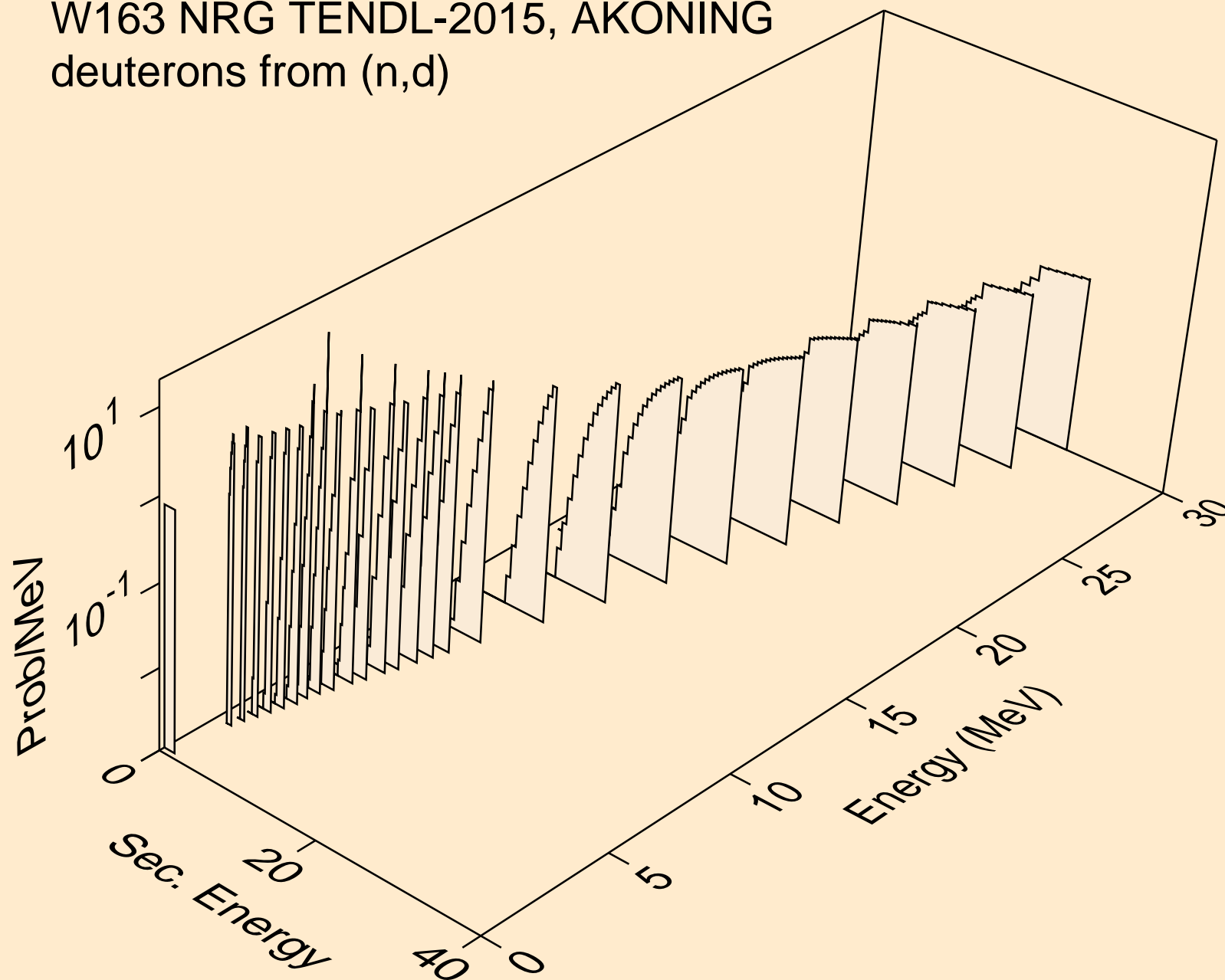
W163 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



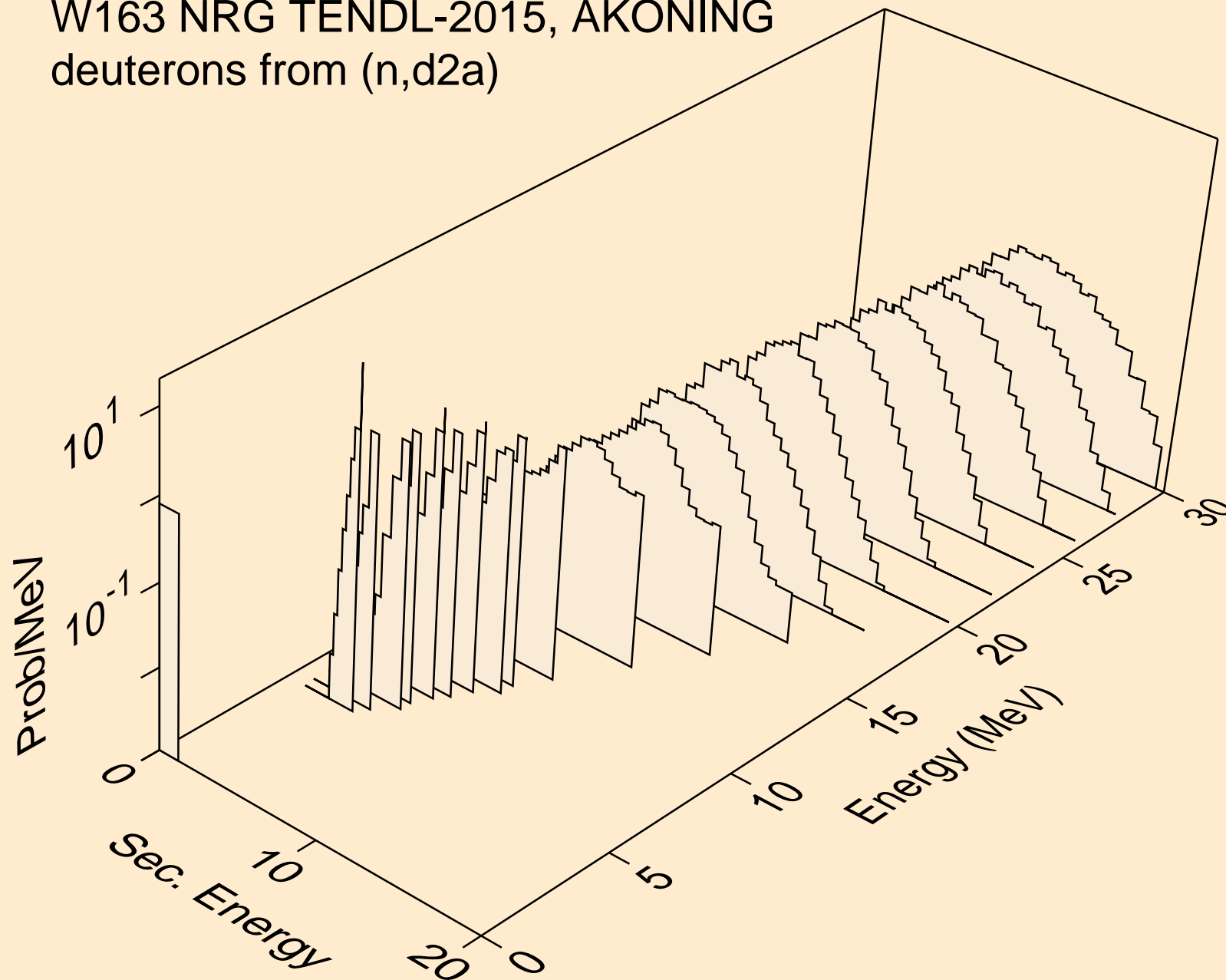
W163 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a



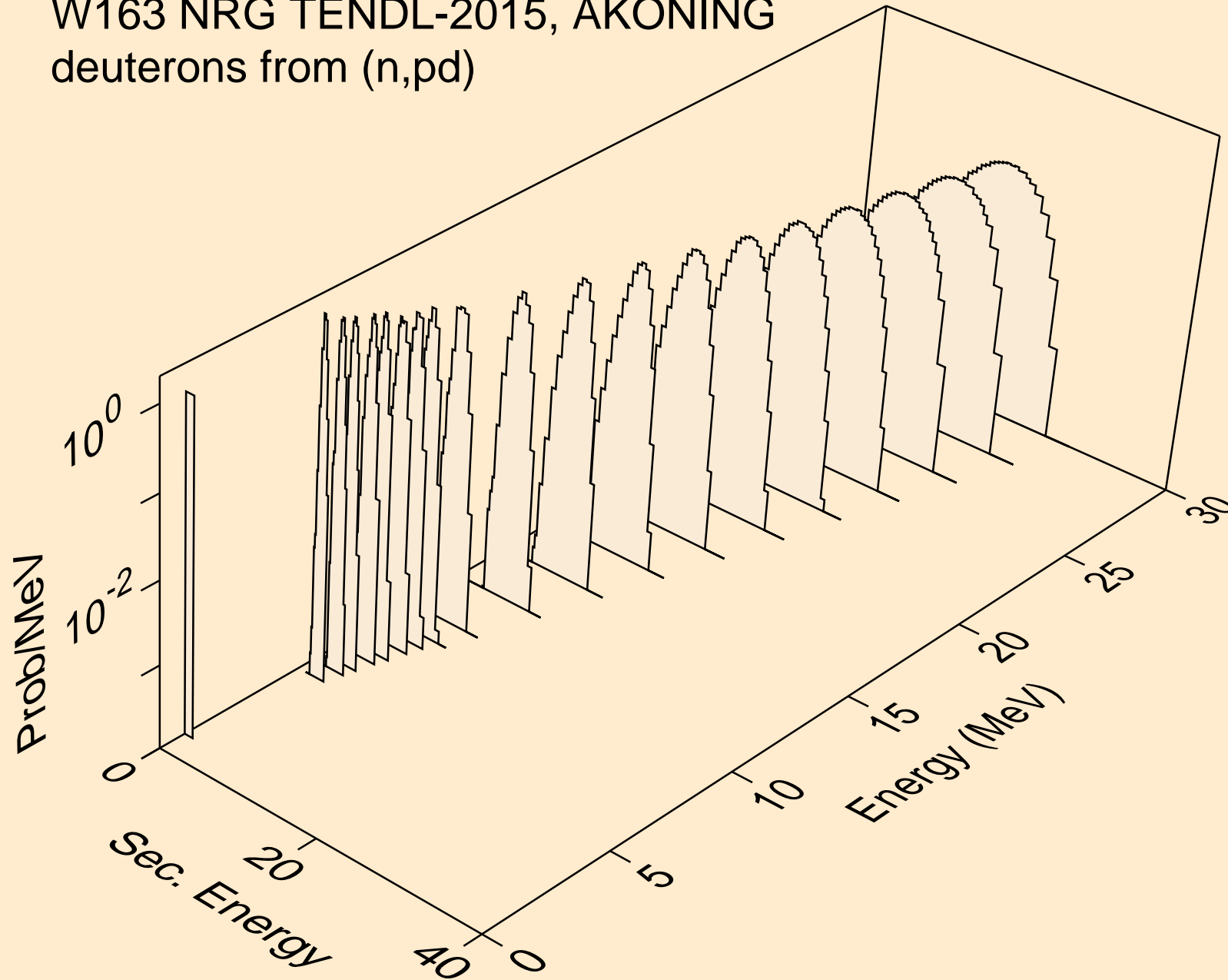
W163 NRG TENDL-2015, AKONING  
deuterons from (n,d)



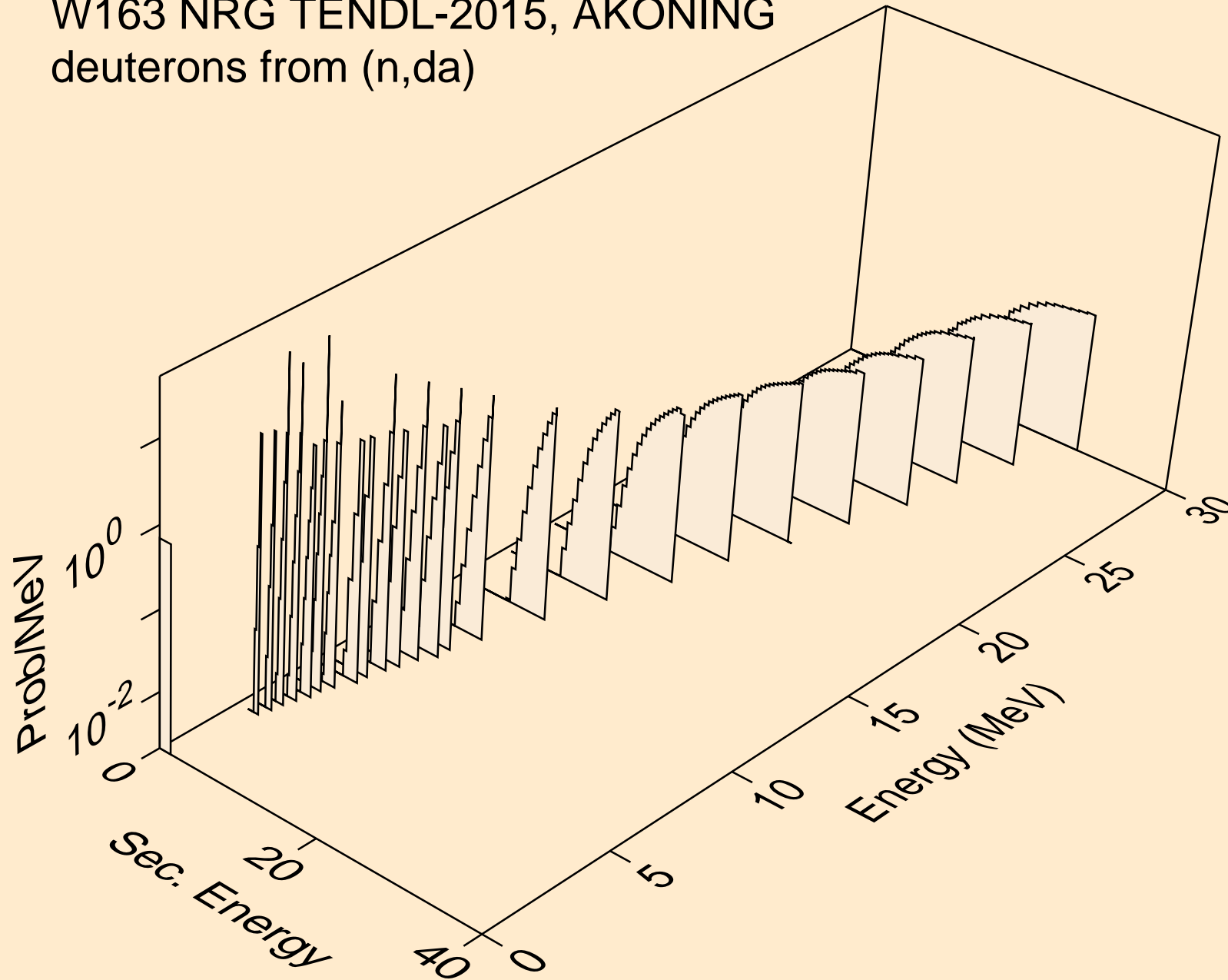
W163 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



W163 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

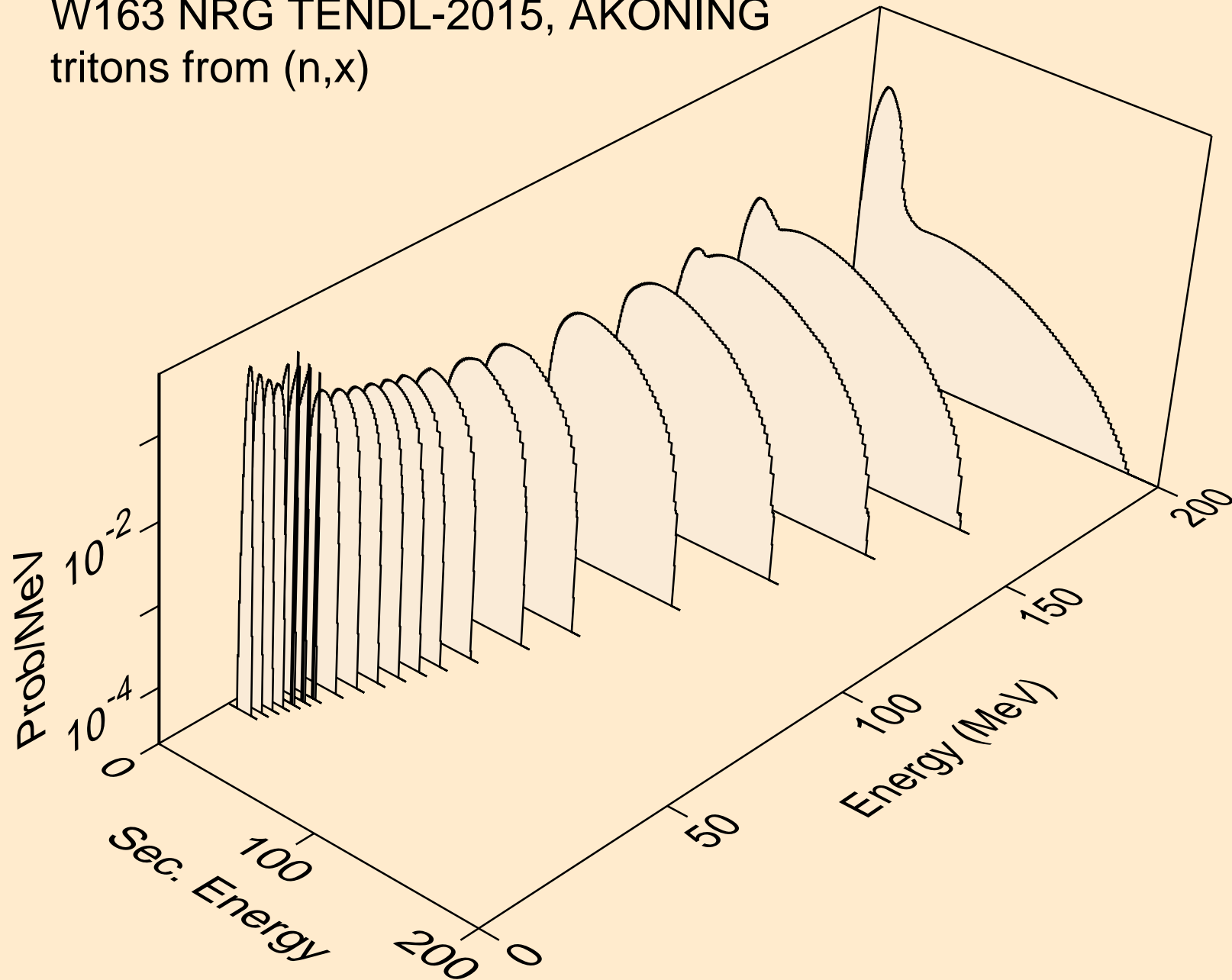


W163 NRG TENDL-2015, AKONING  
deuterons from (n,da)

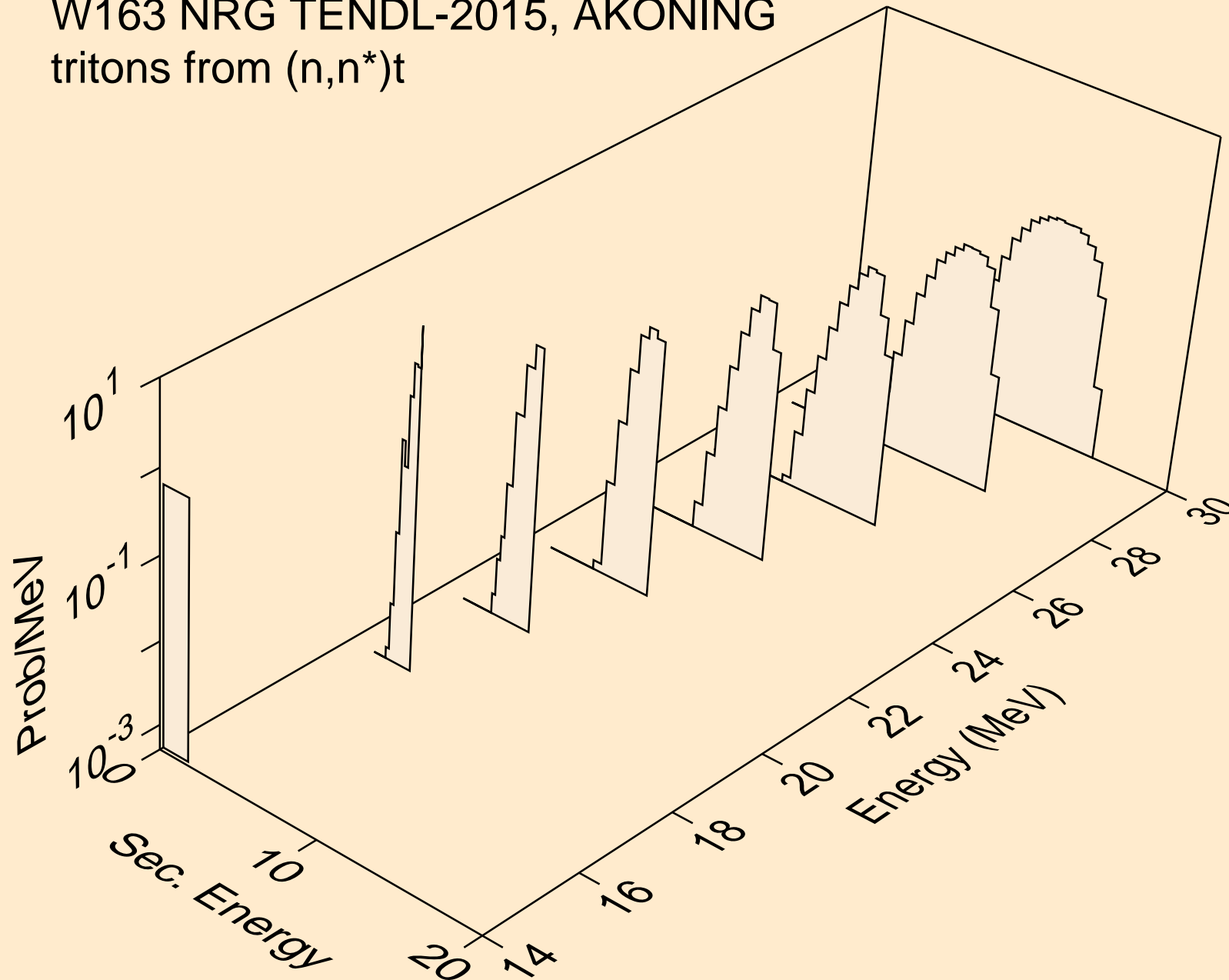




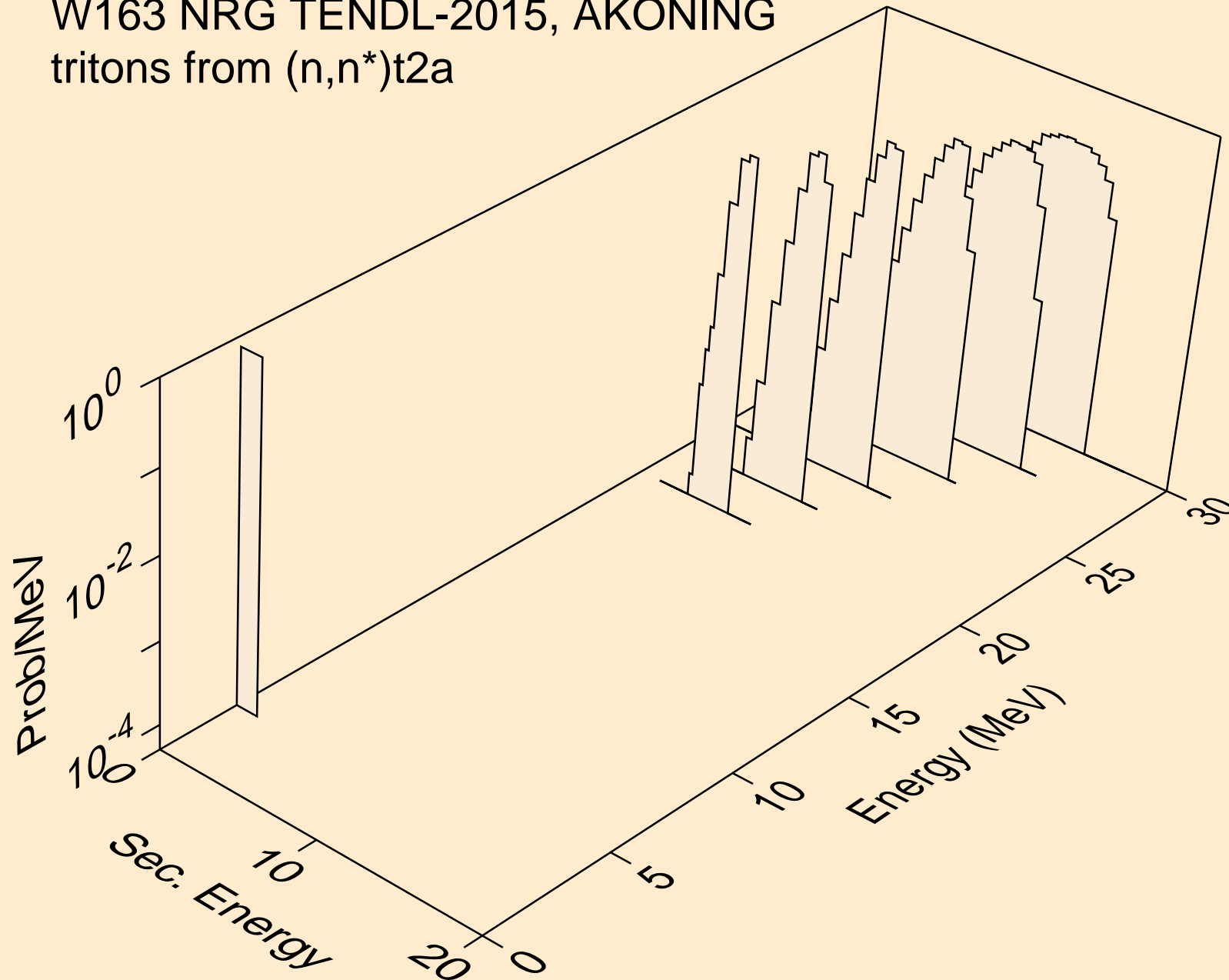
W163 NRG TENDL-2015, AKONING  
tritons from (n,x)



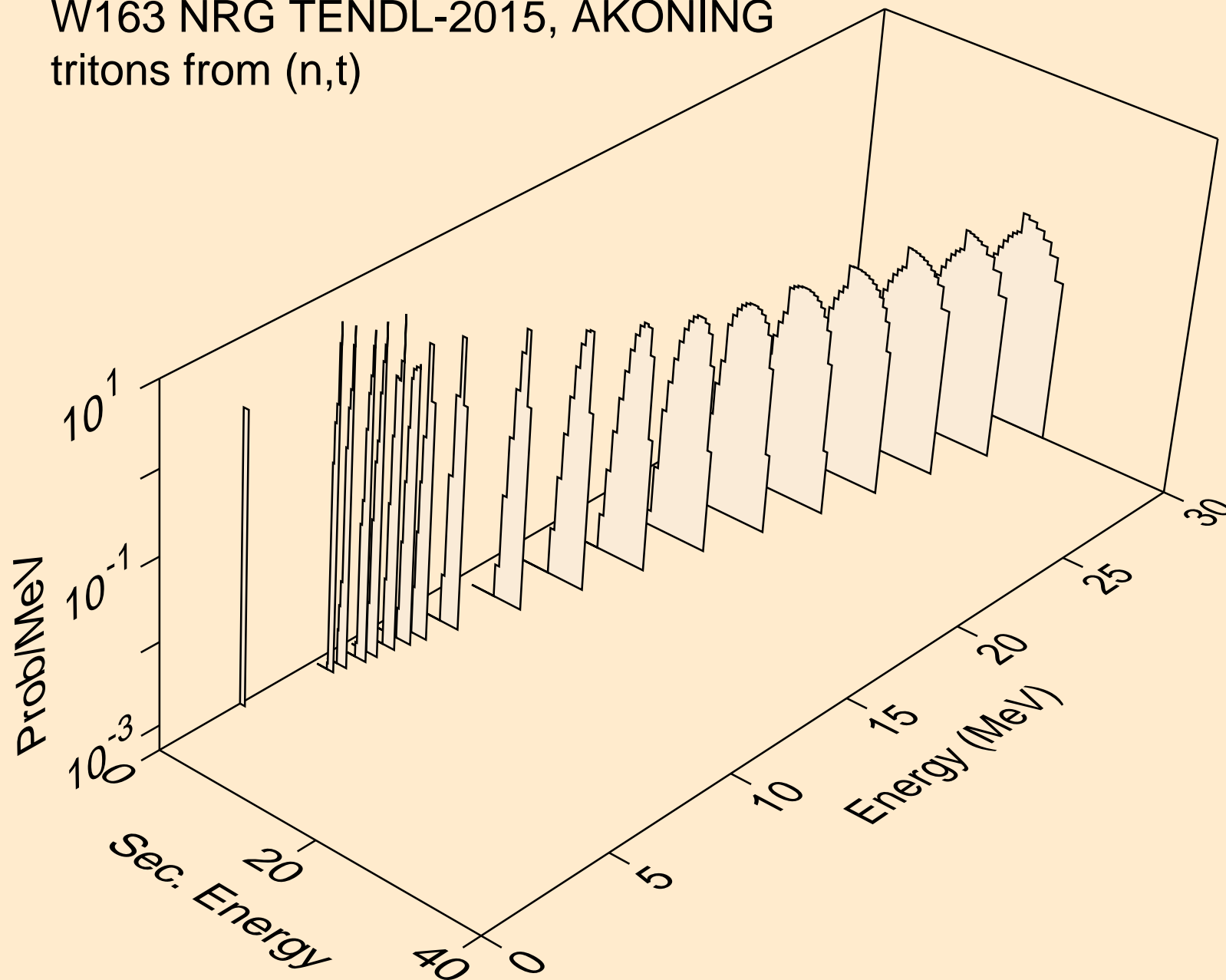
W163 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



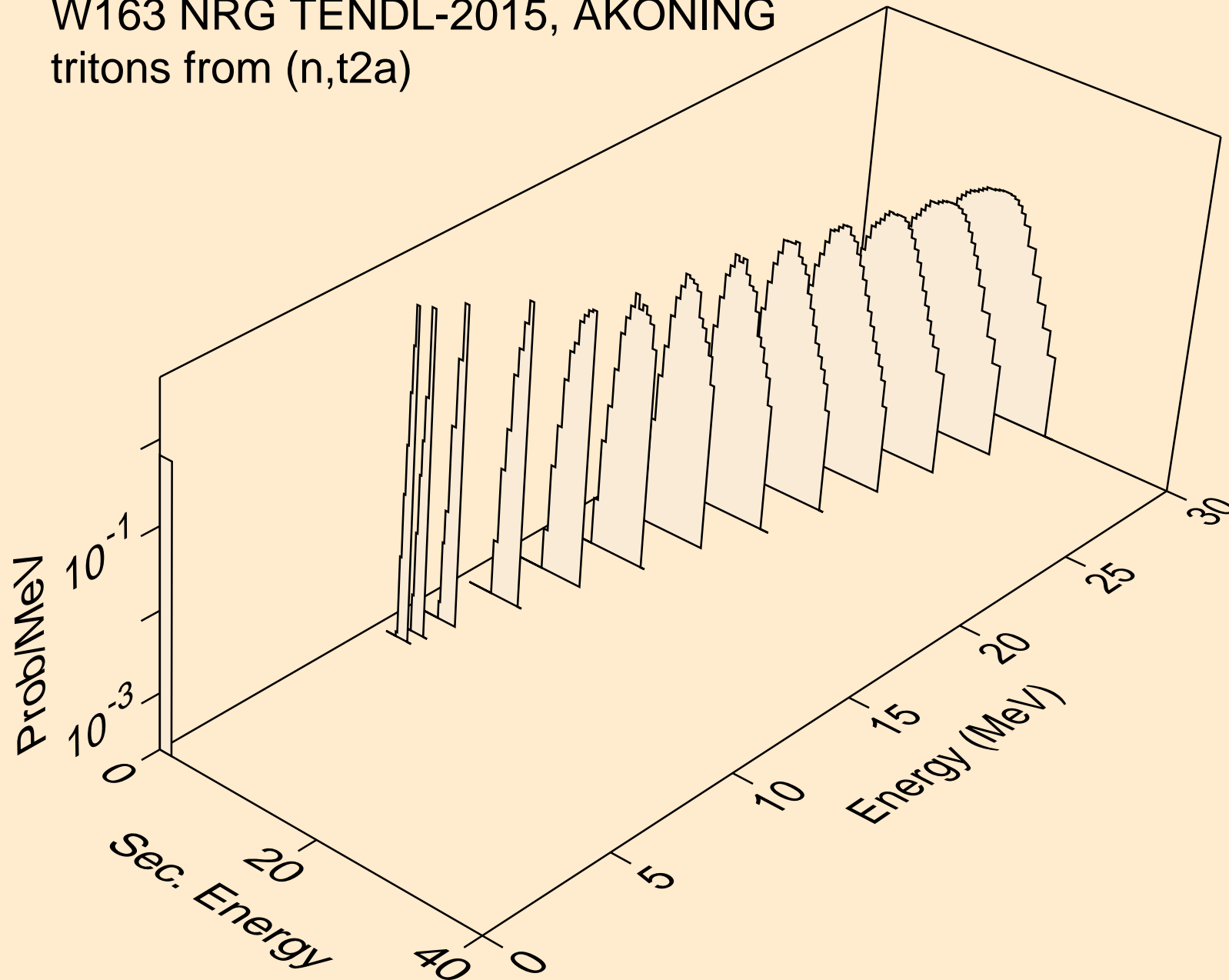
W163 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a



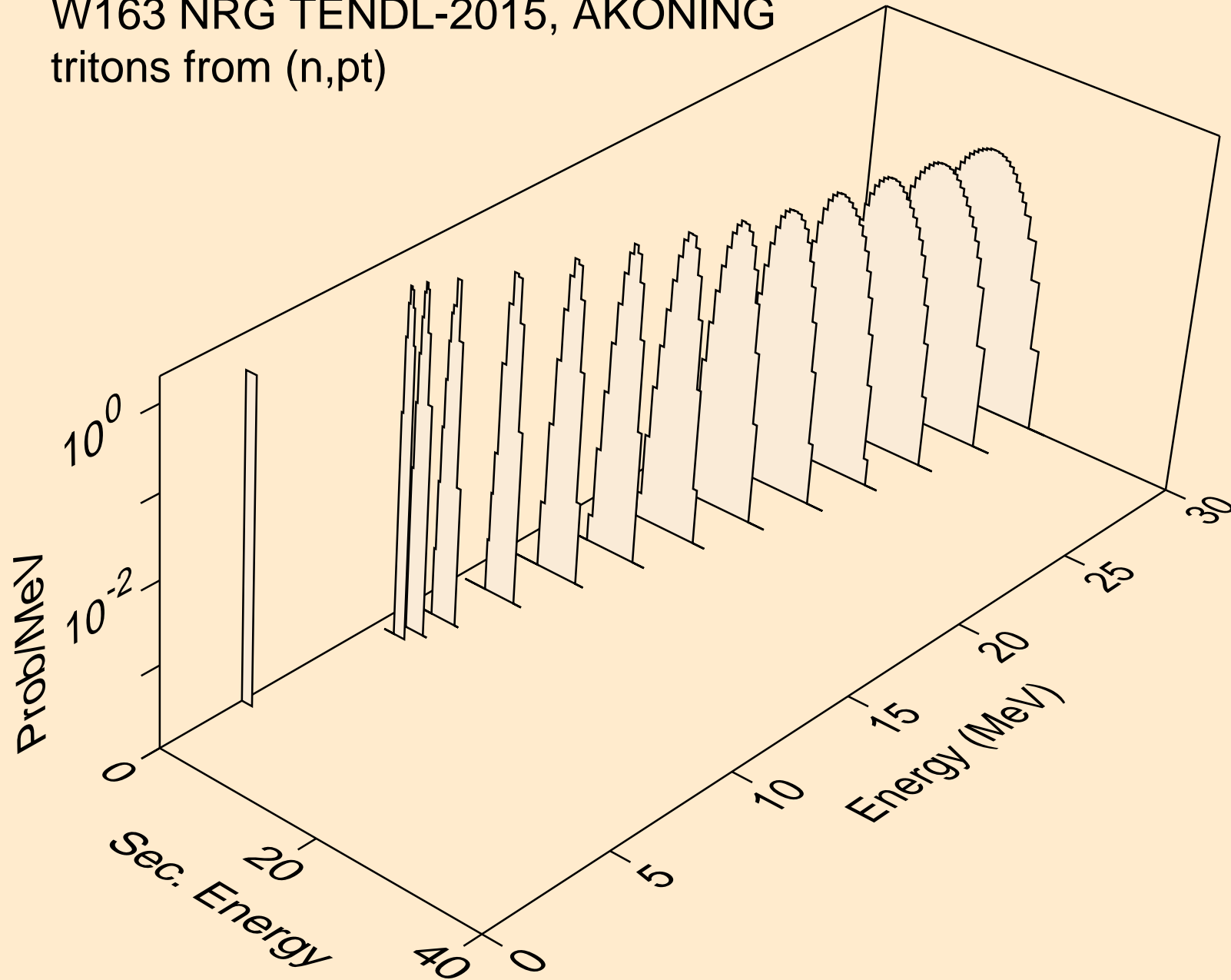
W163 NRG TENDL-2015, AKONING  
tritons from (n,t)



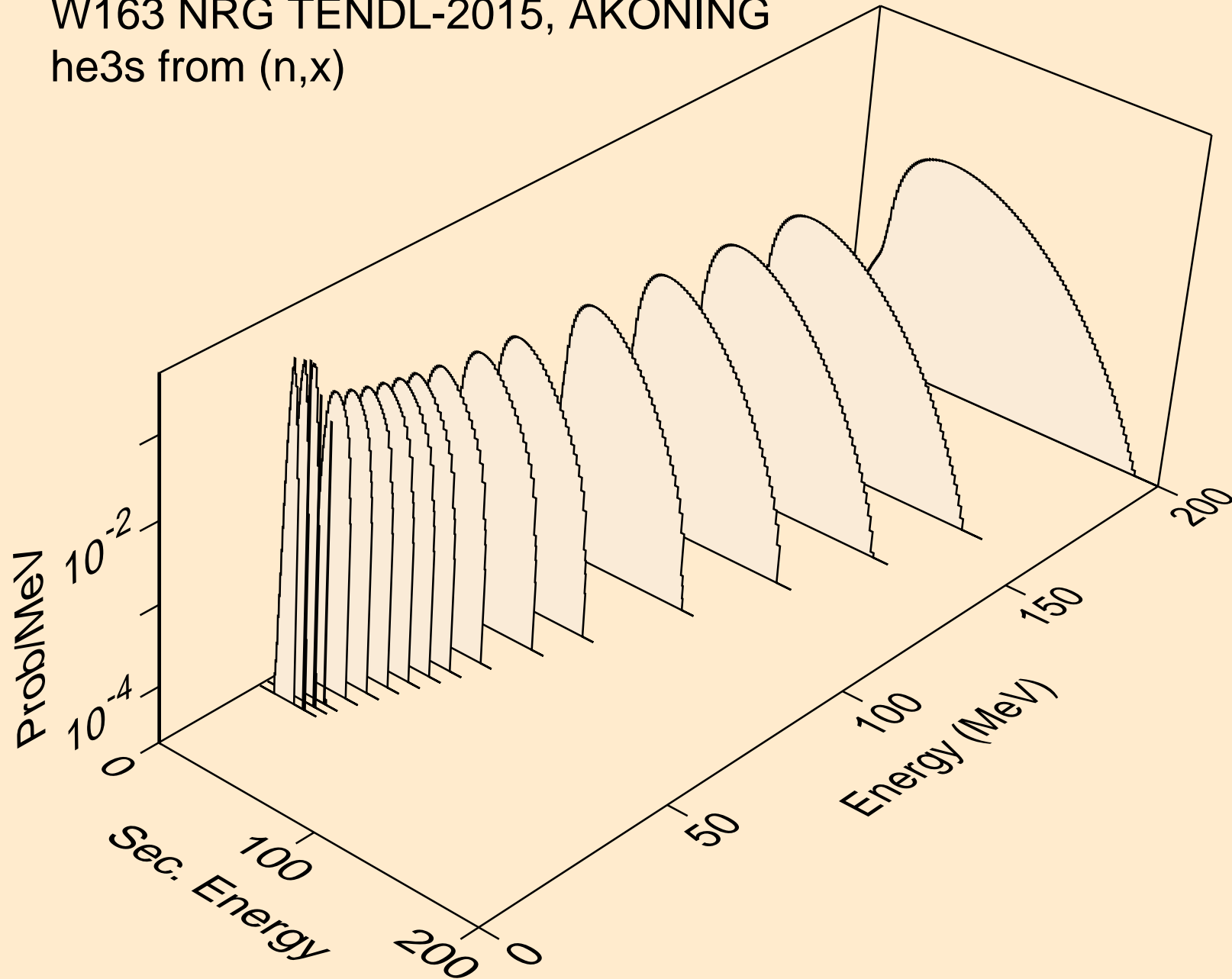
W163 NRG TENDL-2015, AKONING  
tritons from (n,t2a)



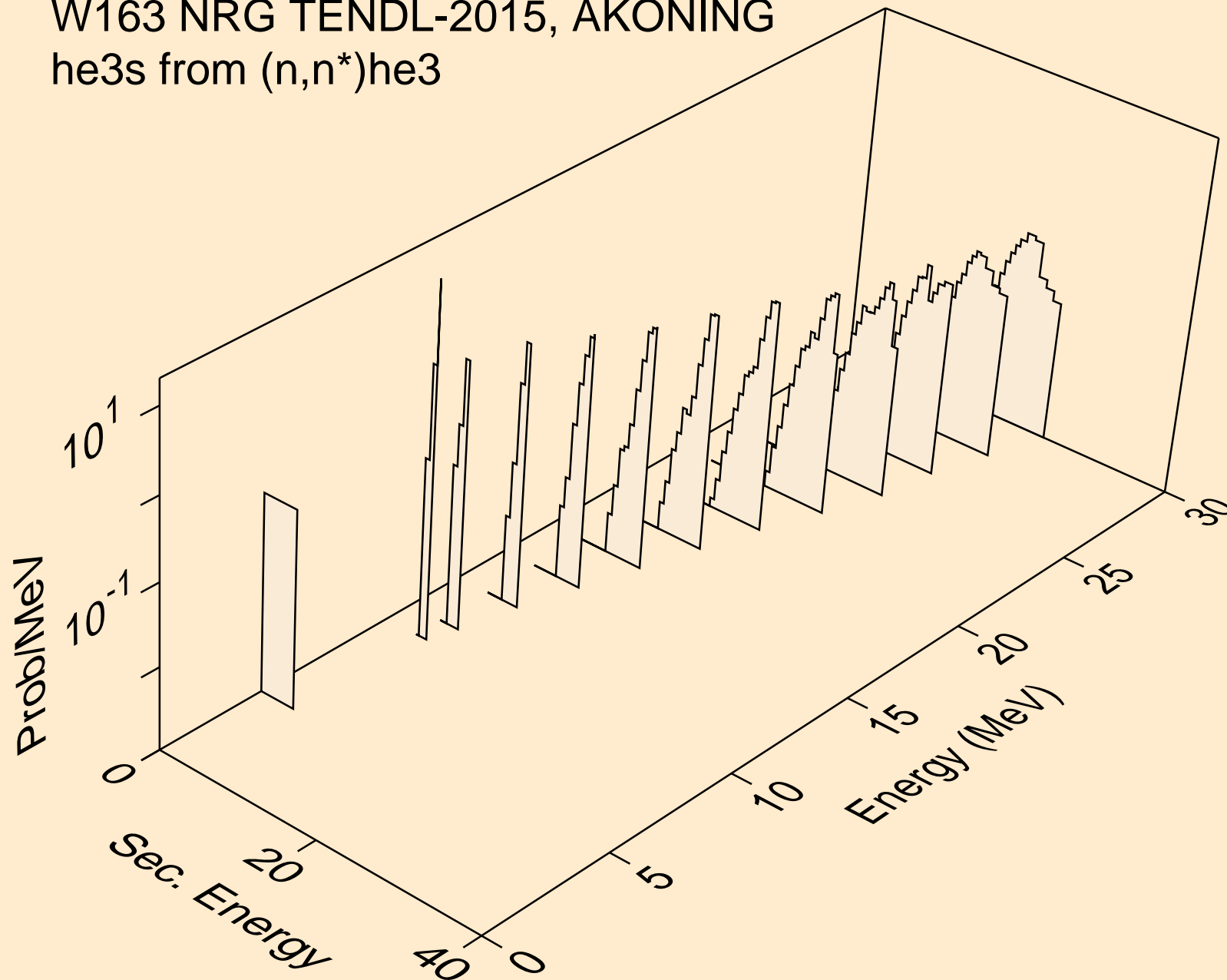
W163 NRG TENDL-2015, AKONING  
tritons from (n,pt)



W163 NRG TENDL-2015, AKONING  
he3s from (n,x)

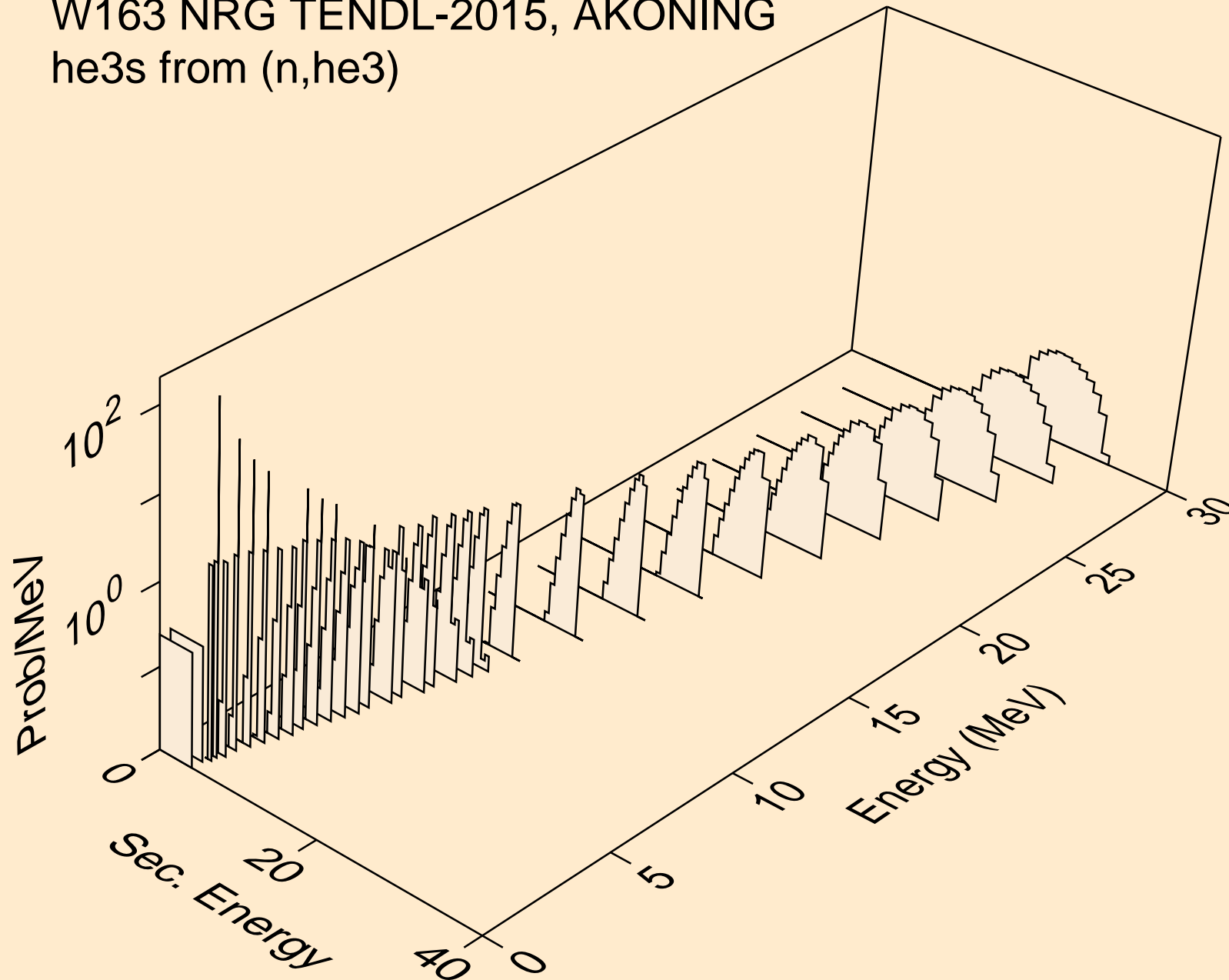


W163 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

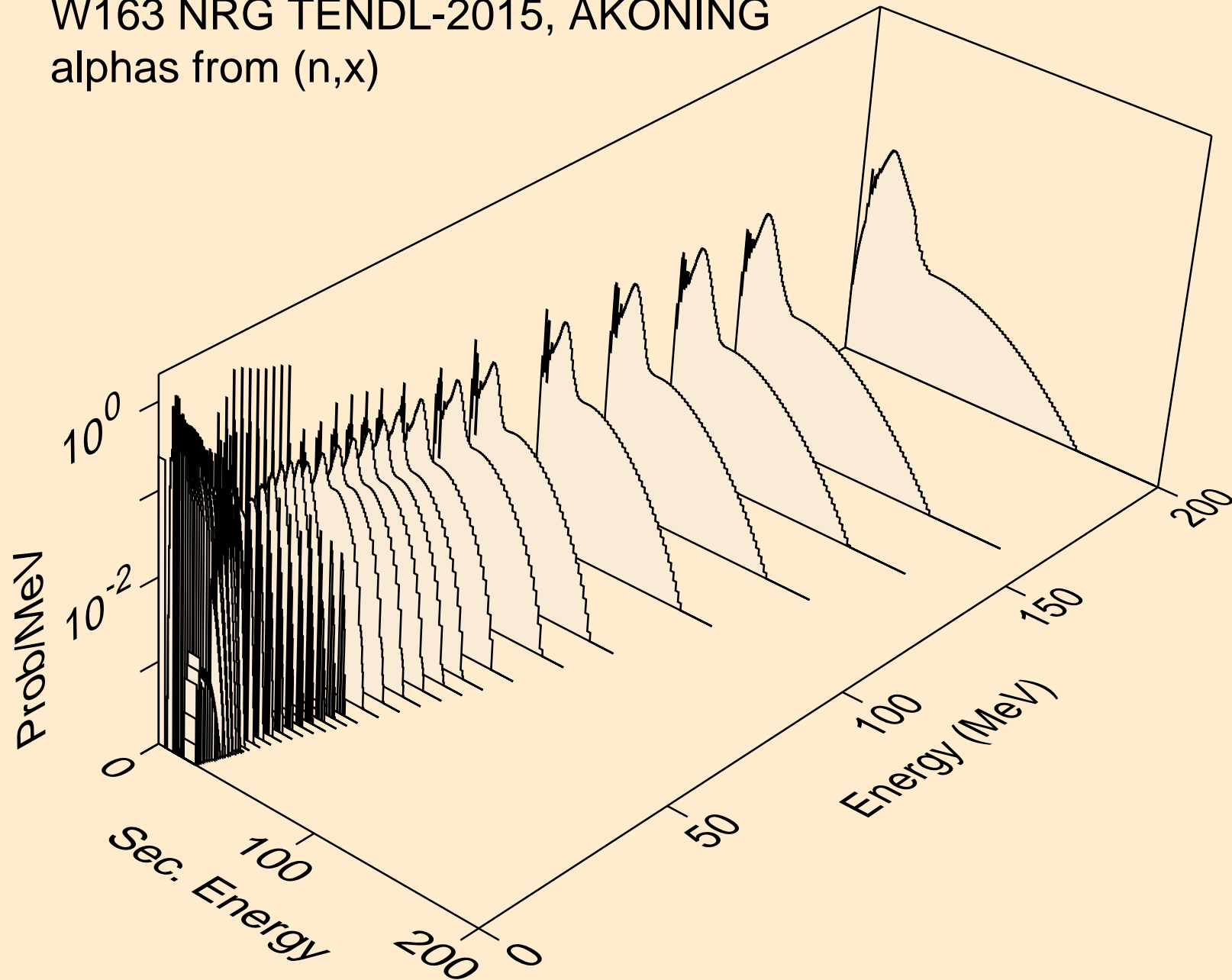




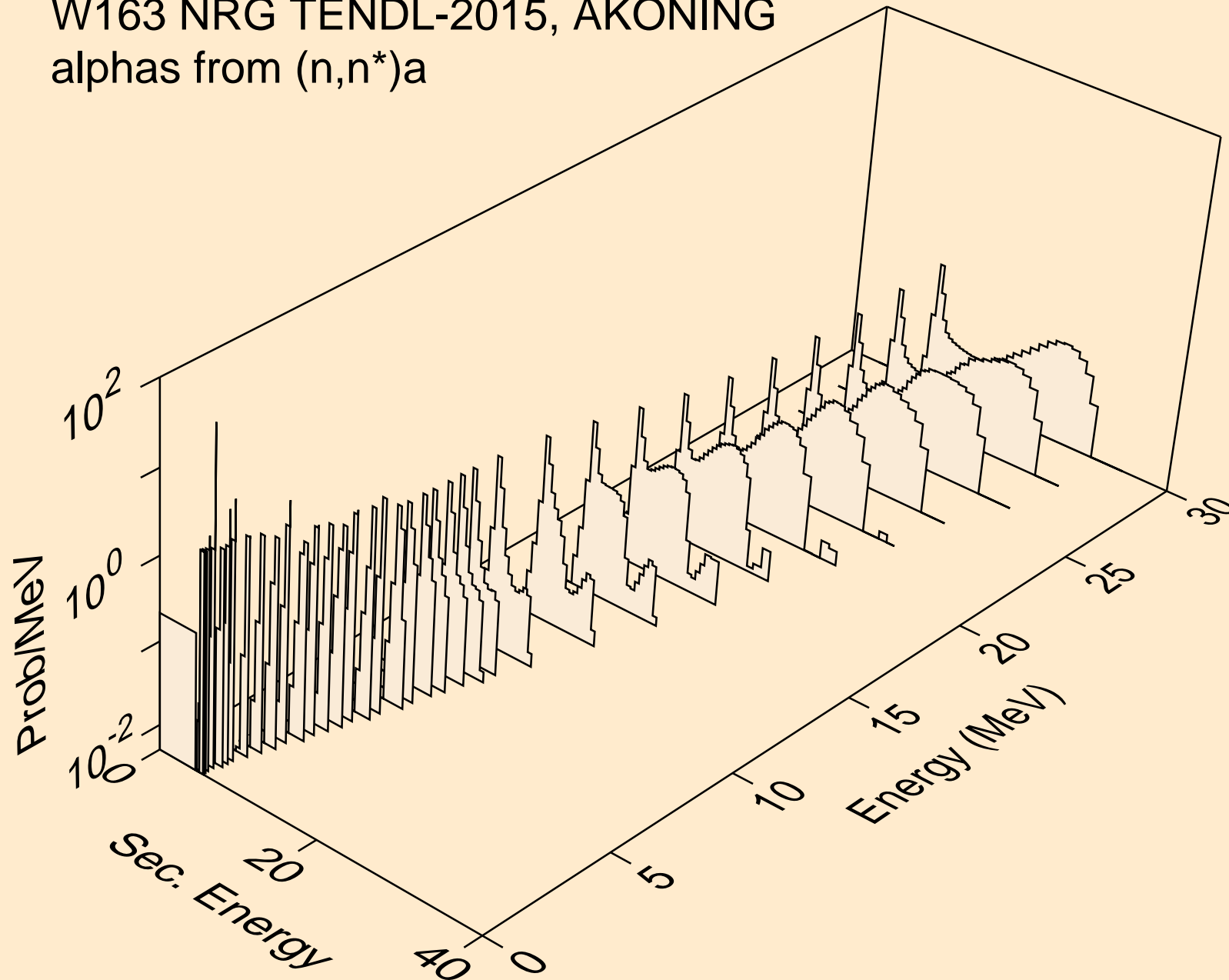
W163 NRG TENDL-2015, AKONING  
he3s from (n,he3)



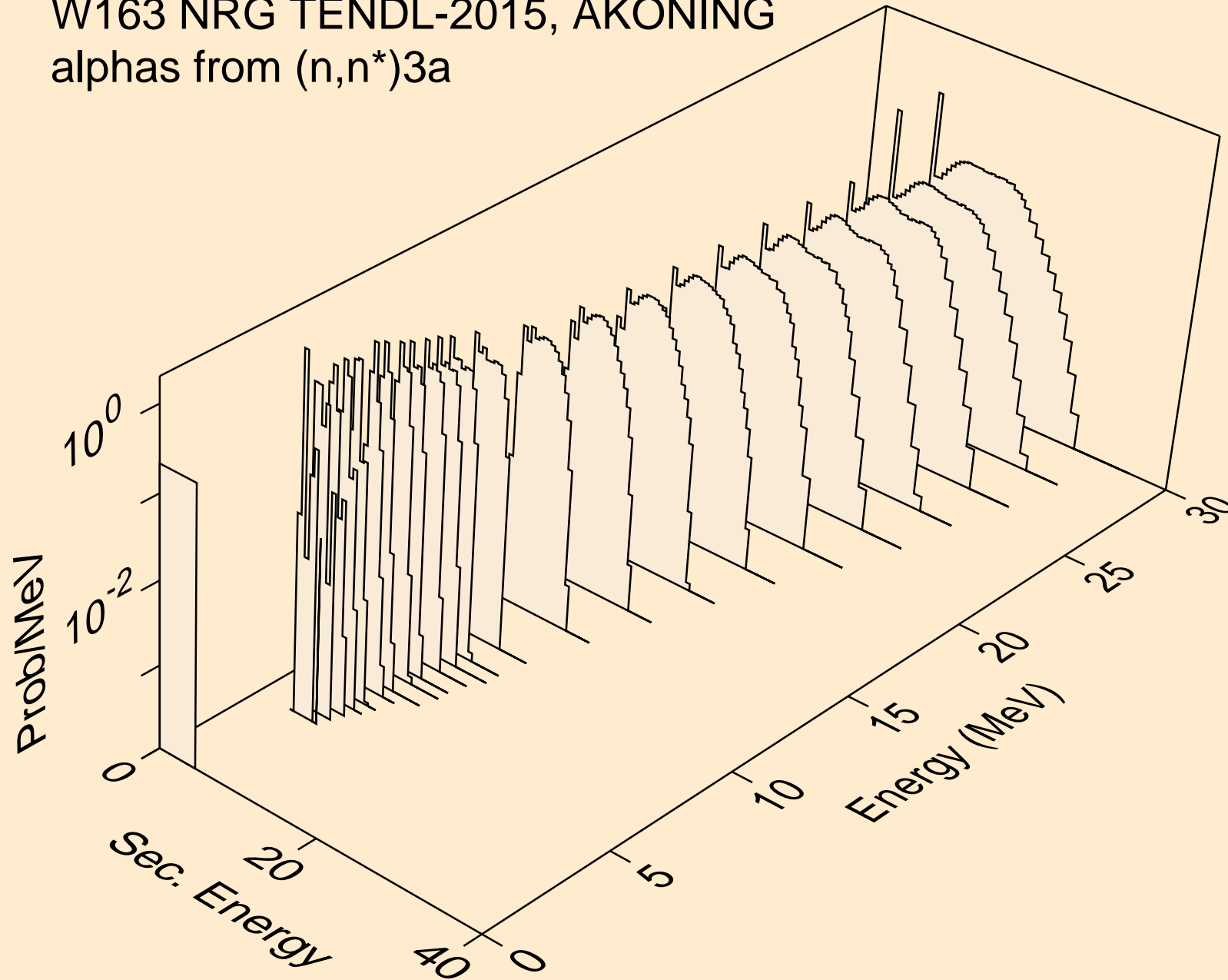
W163 NRG TENDL-2015, AKONING  
alphas from (n,x)



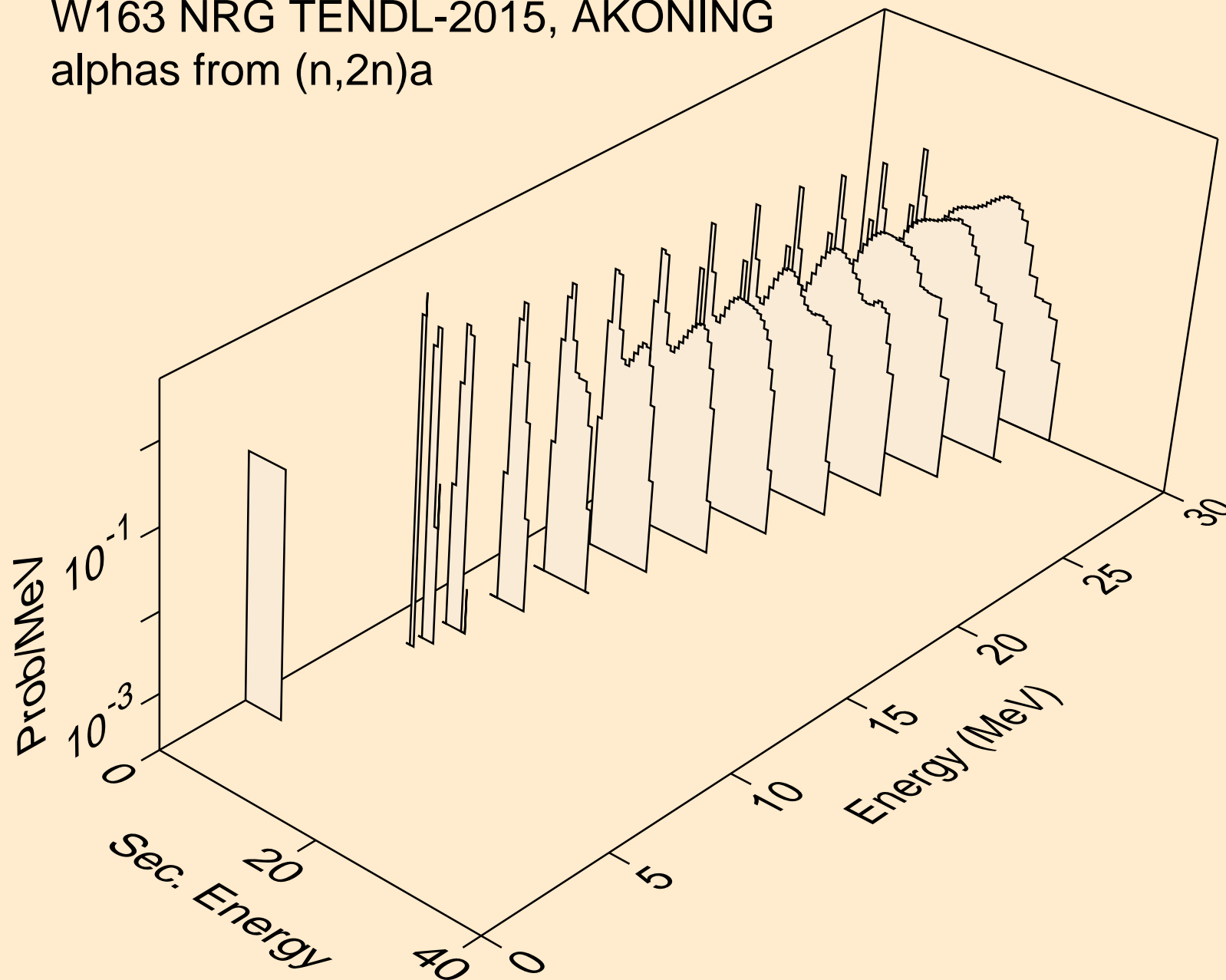
W163 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



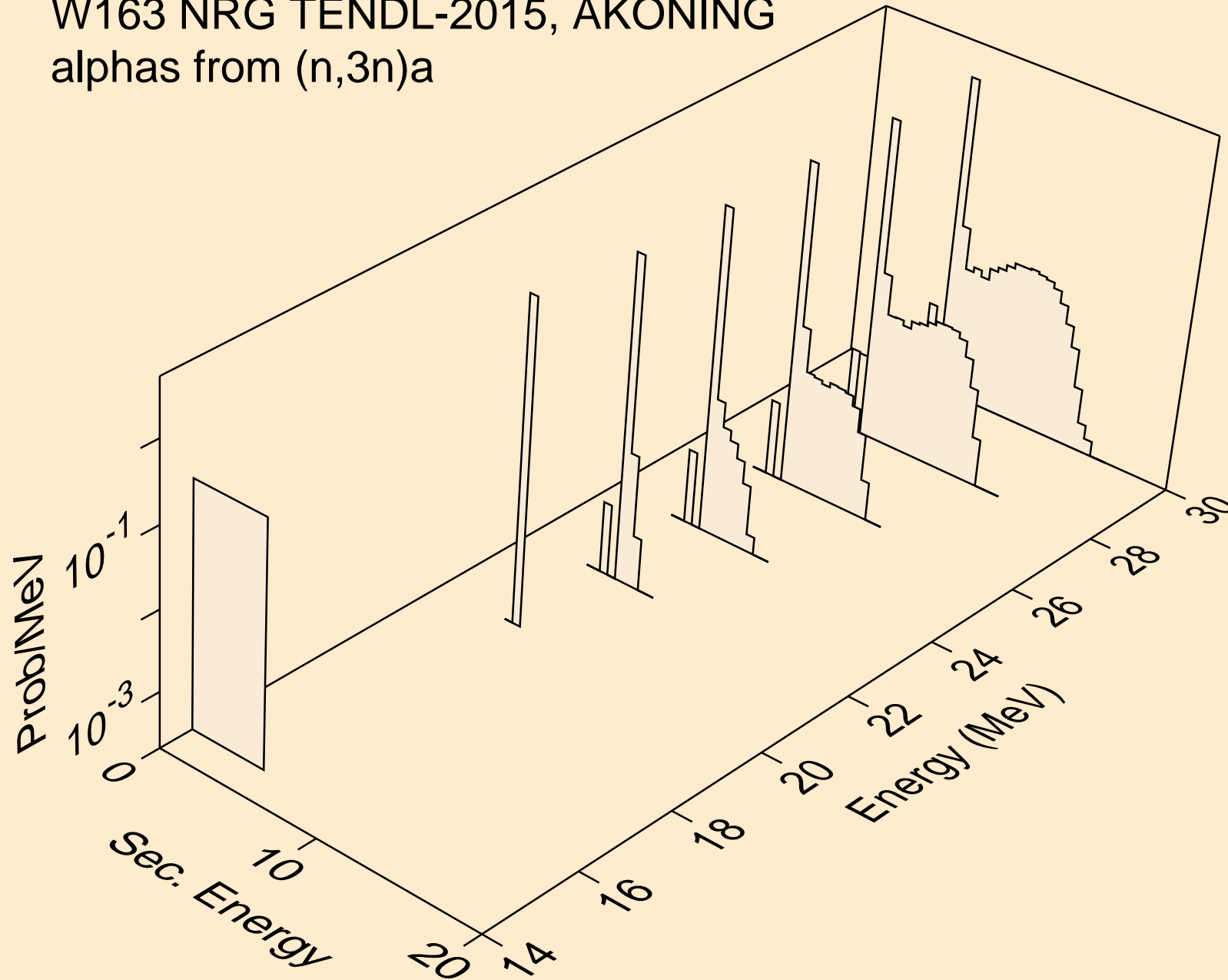
W163 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



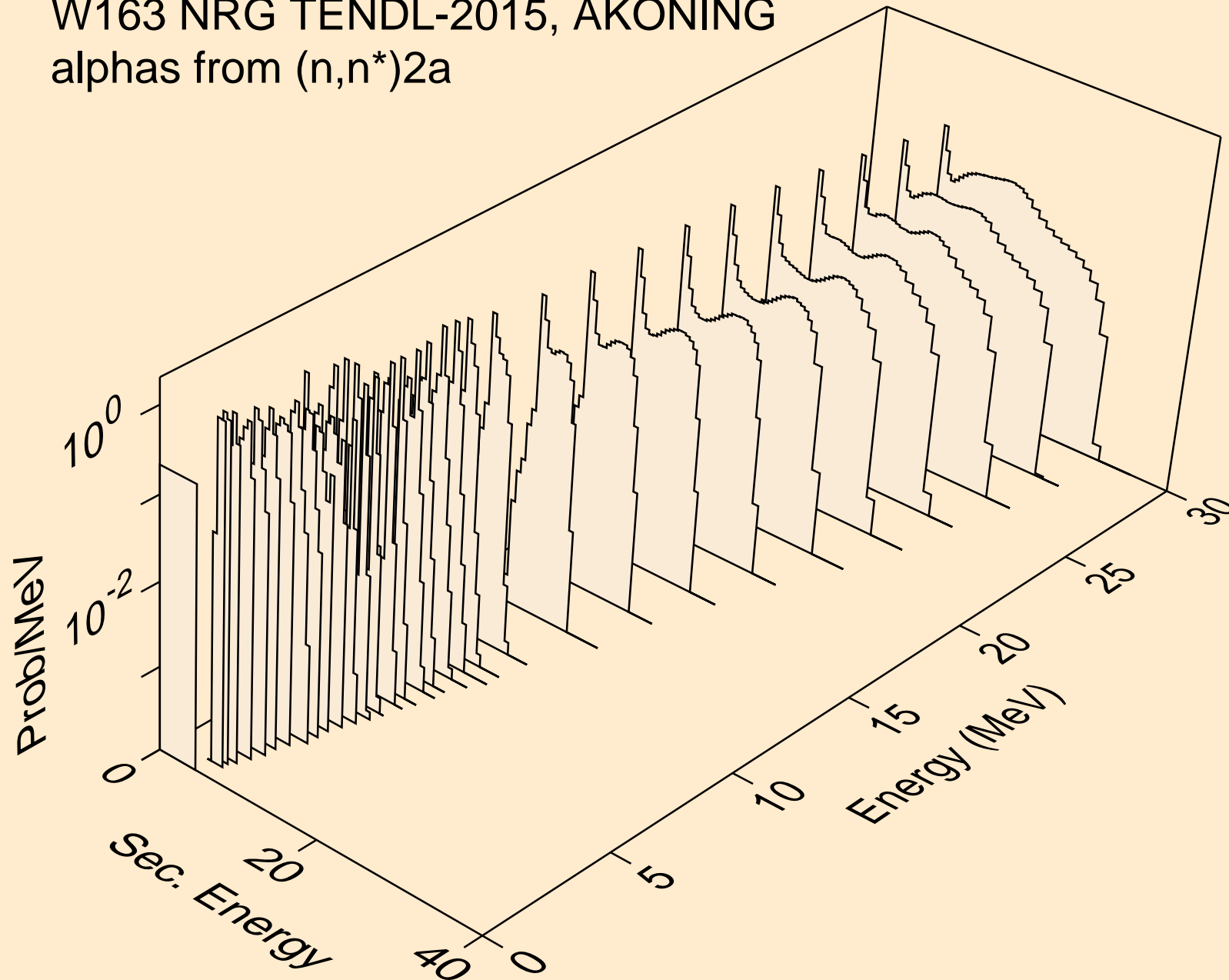
W163 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



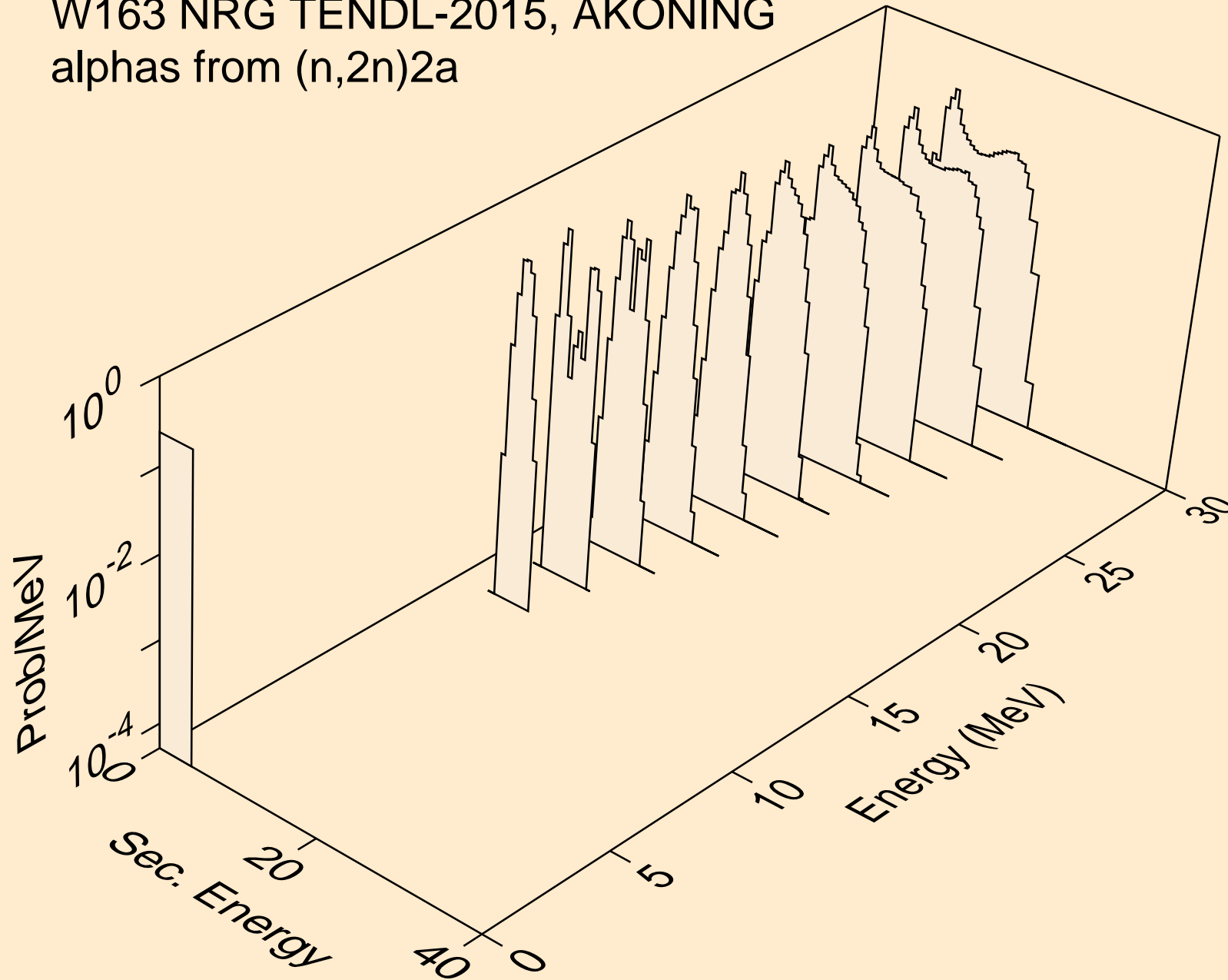
W163 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



W163 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

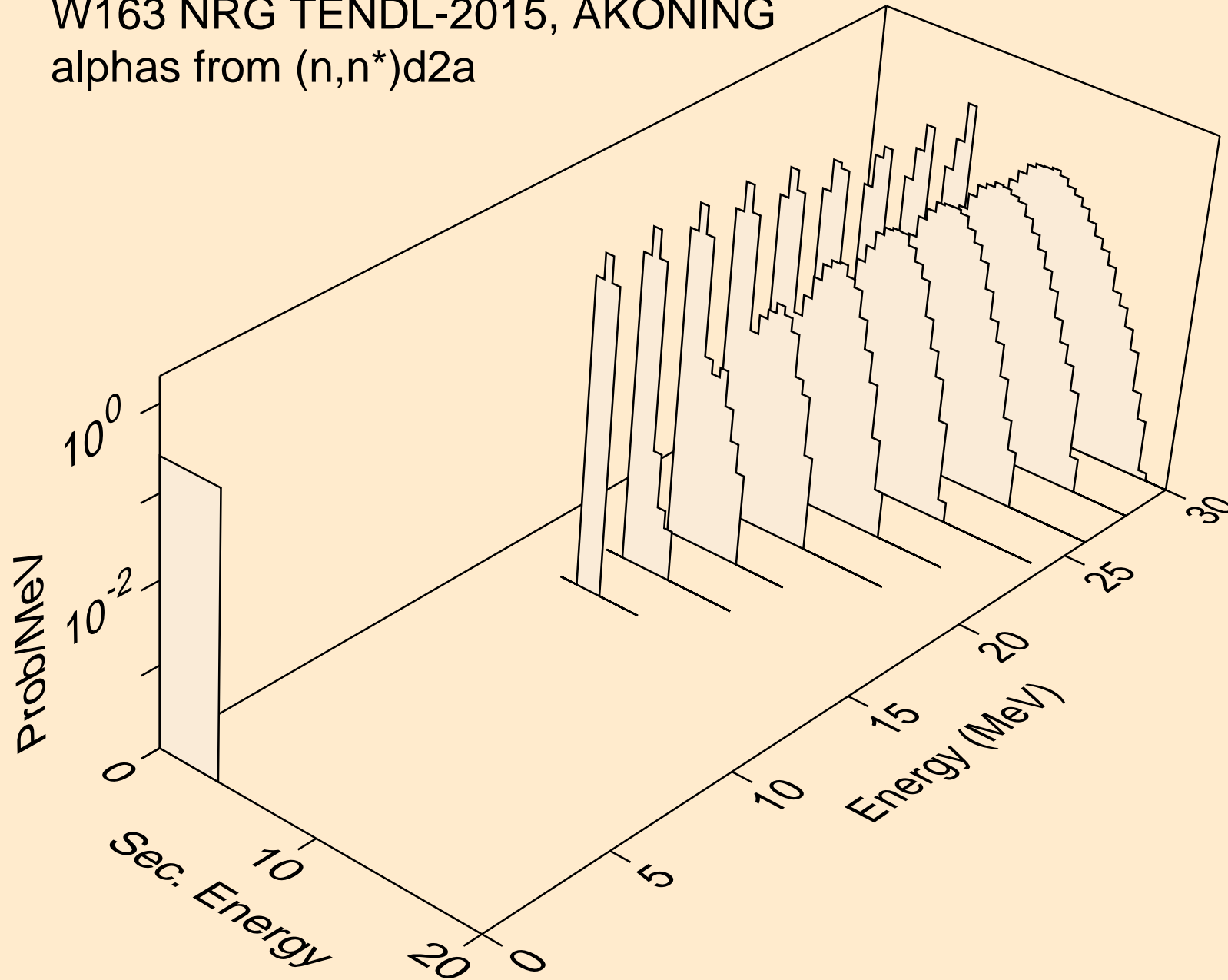


W163 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

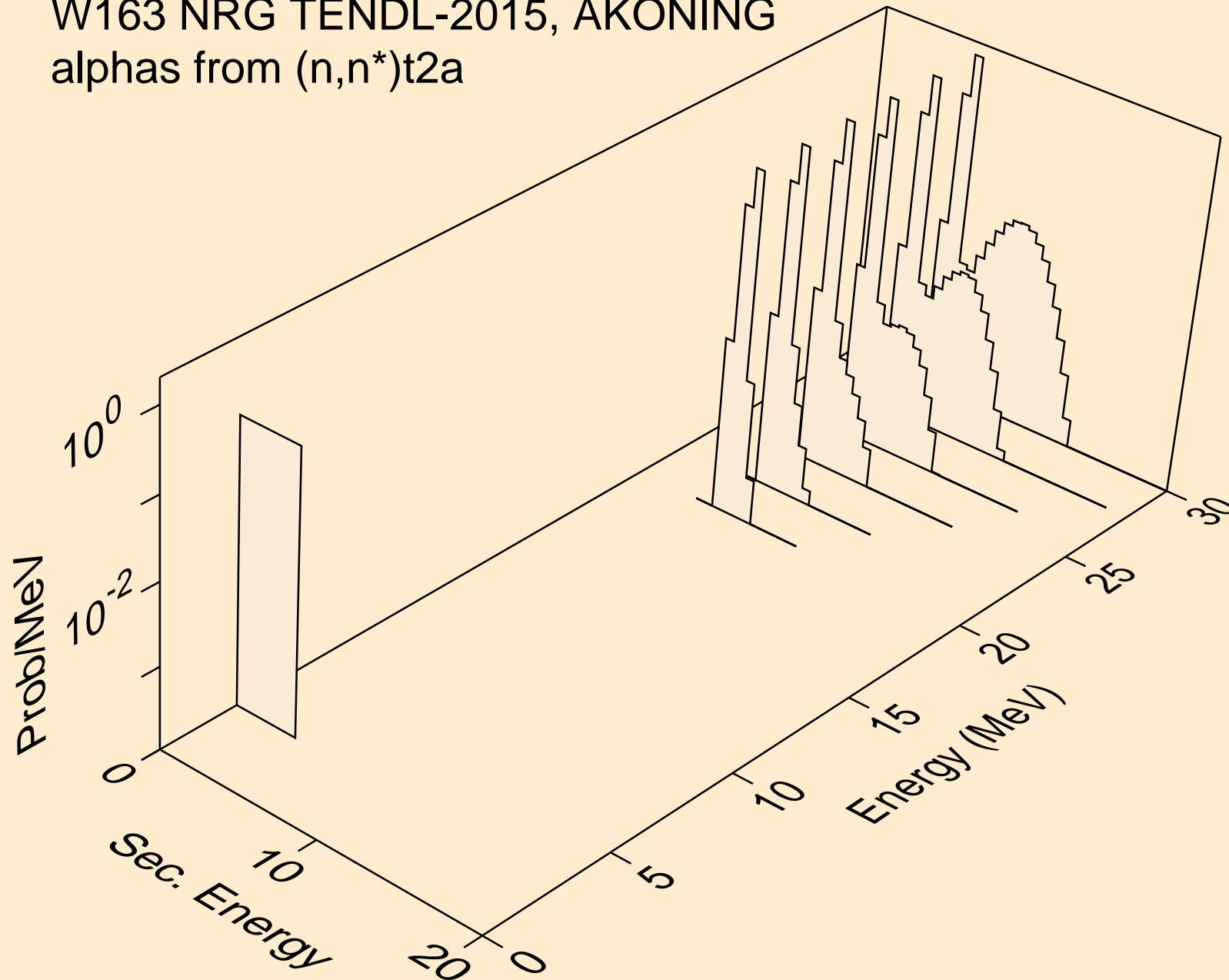




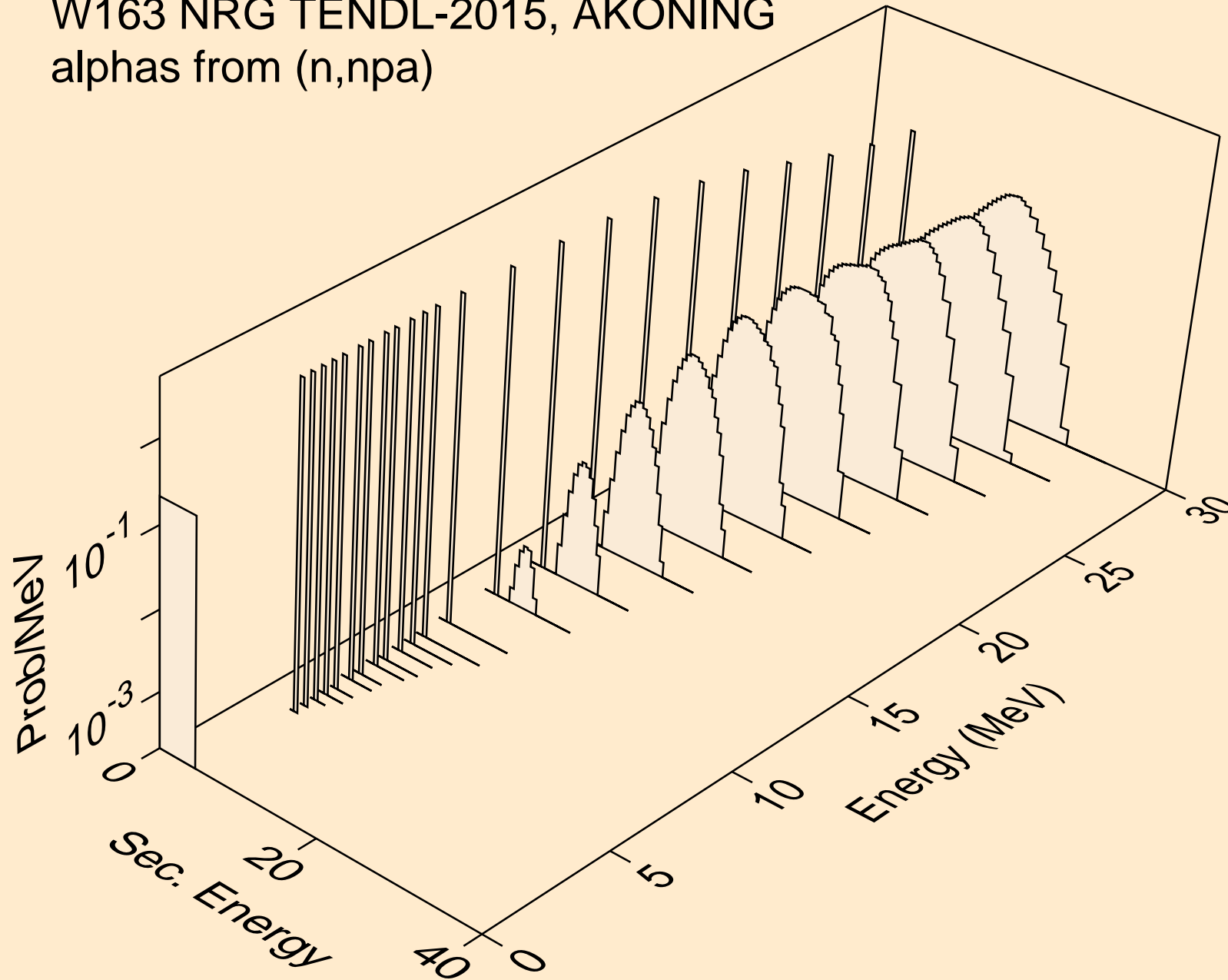
W163 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



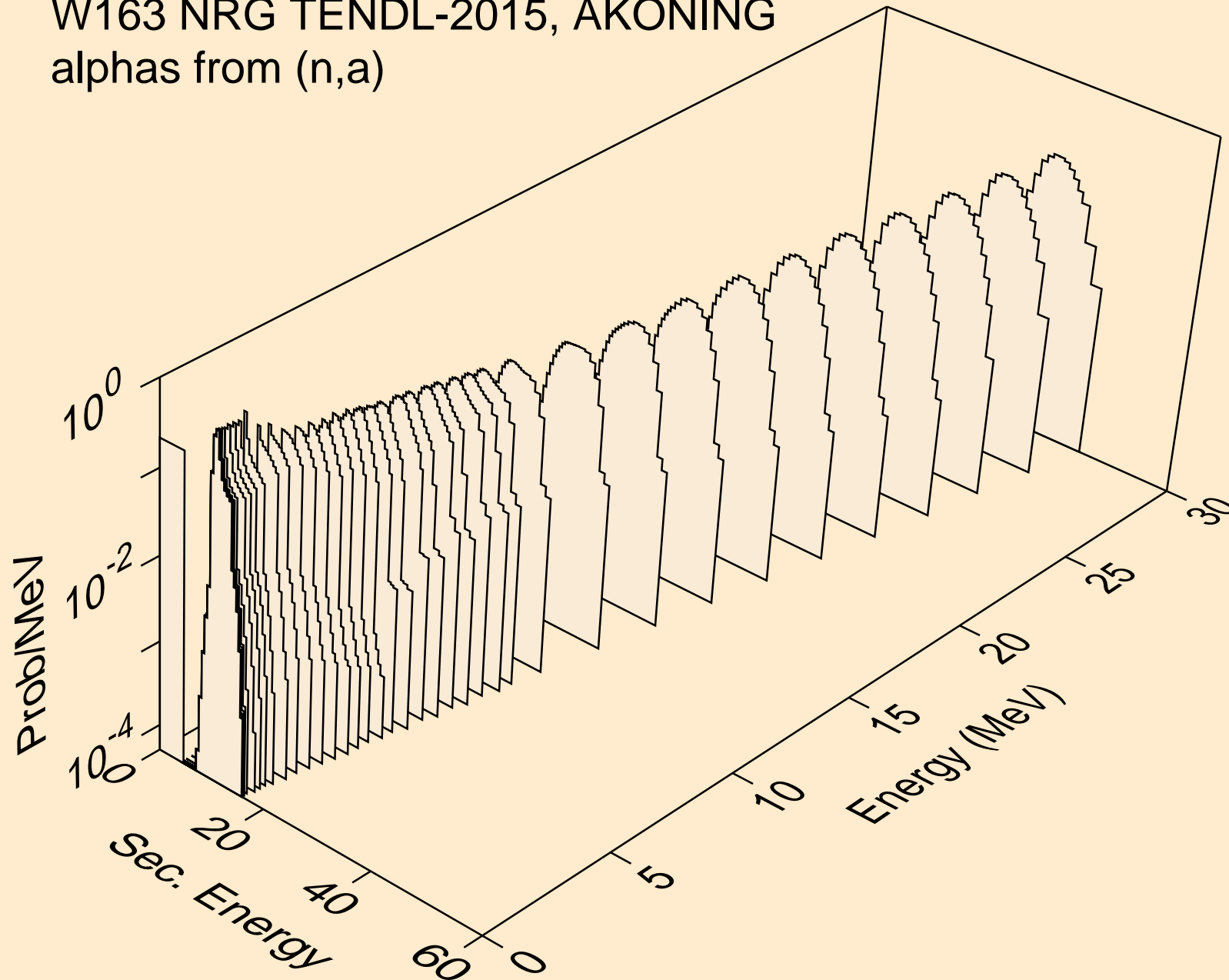
W163 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



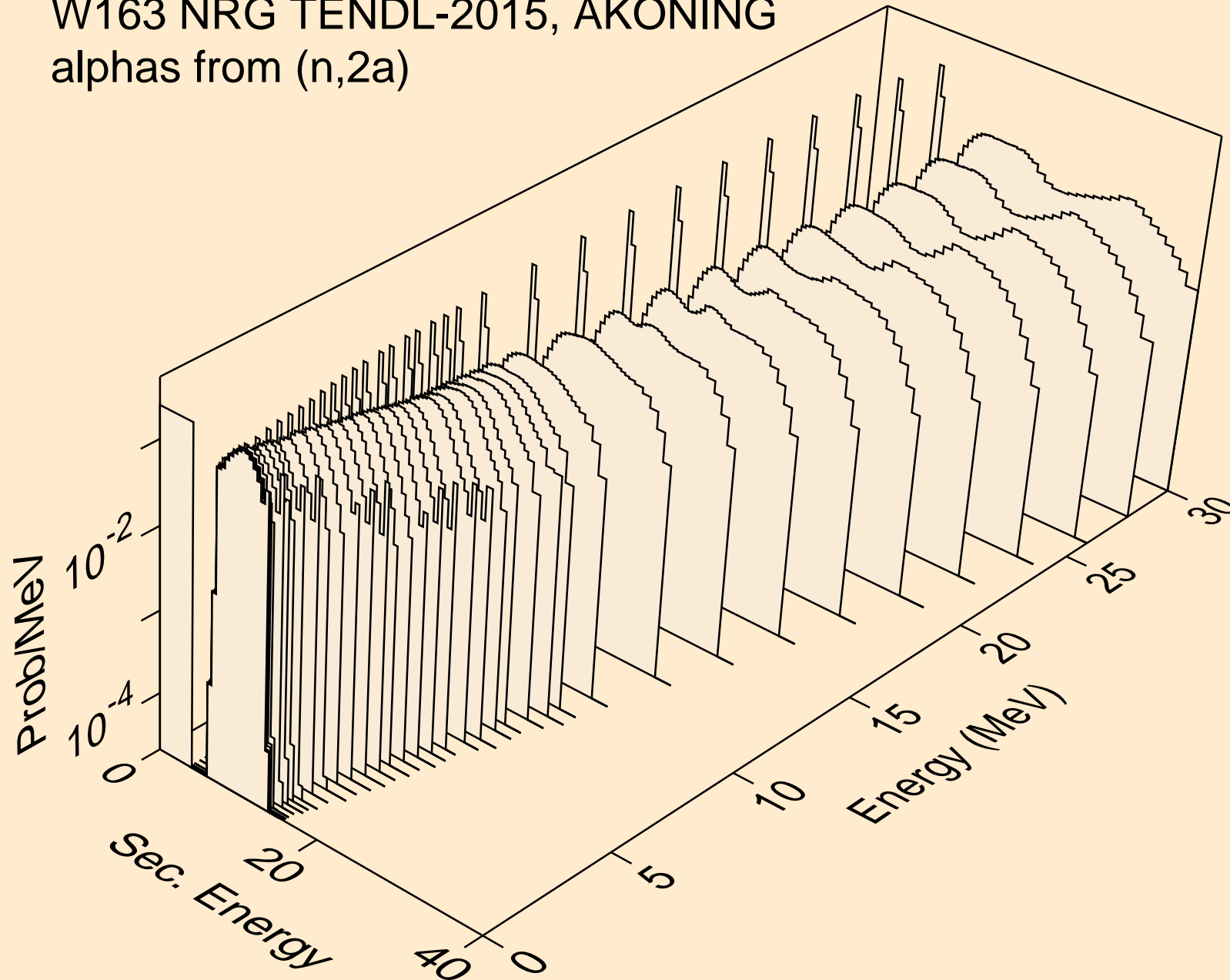
W163 NRG TENDL-2015, AKONING  
alphas from (n,npa)



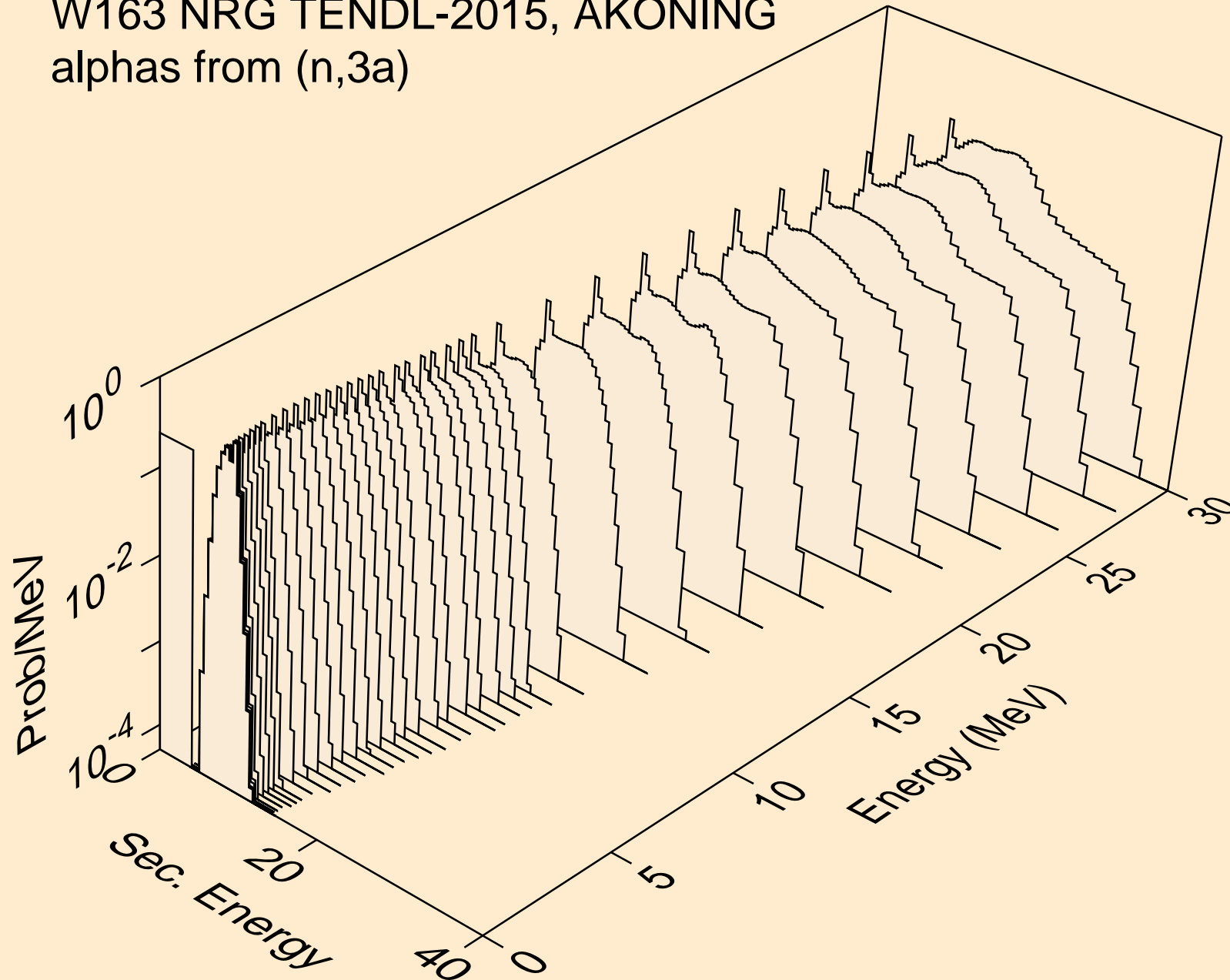
W163 NRG TENDL-2015, AKONING  
alphas from (n,a)



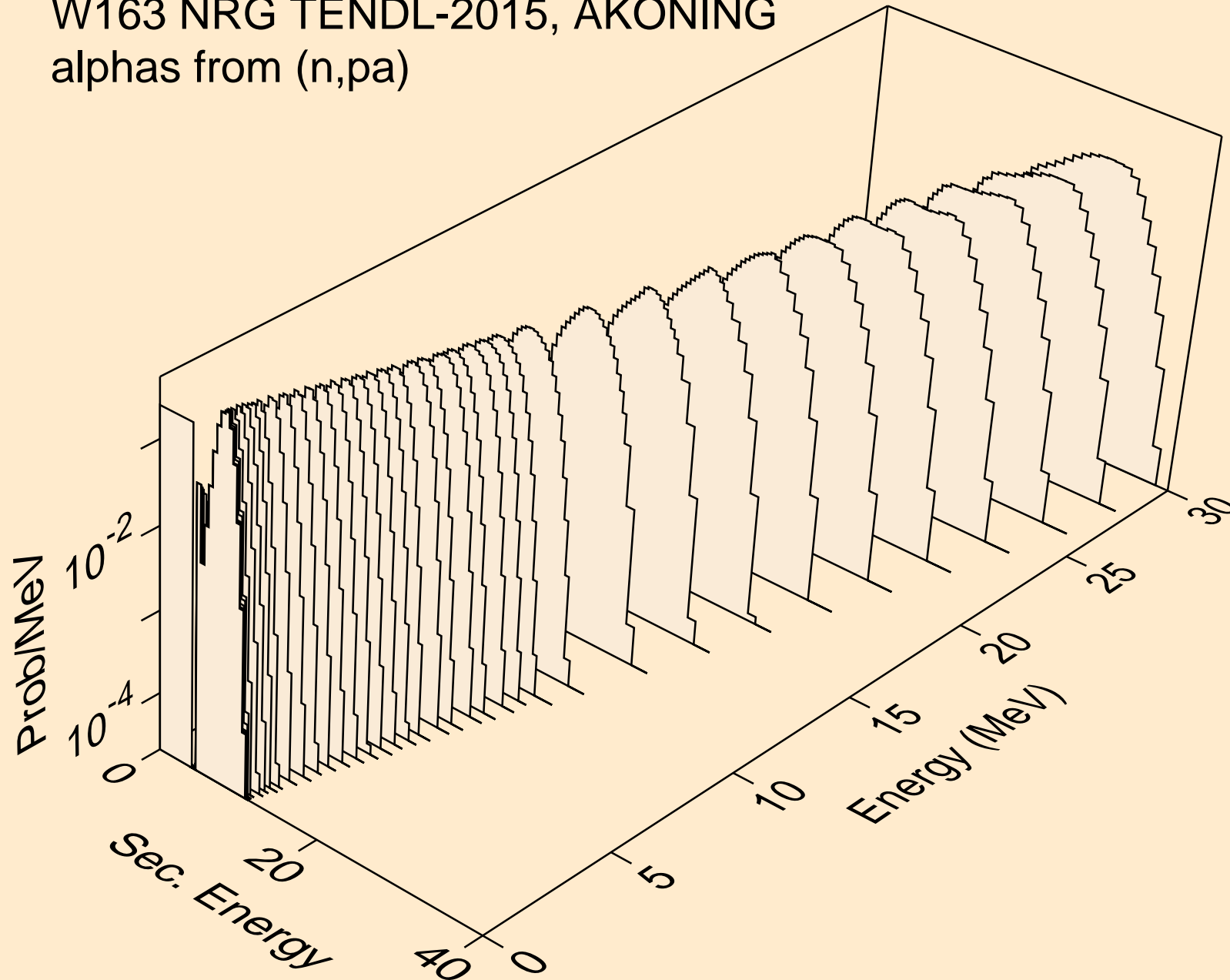
W163 NRG TENDL-2015, AKONING  
alphas from (n,2a)



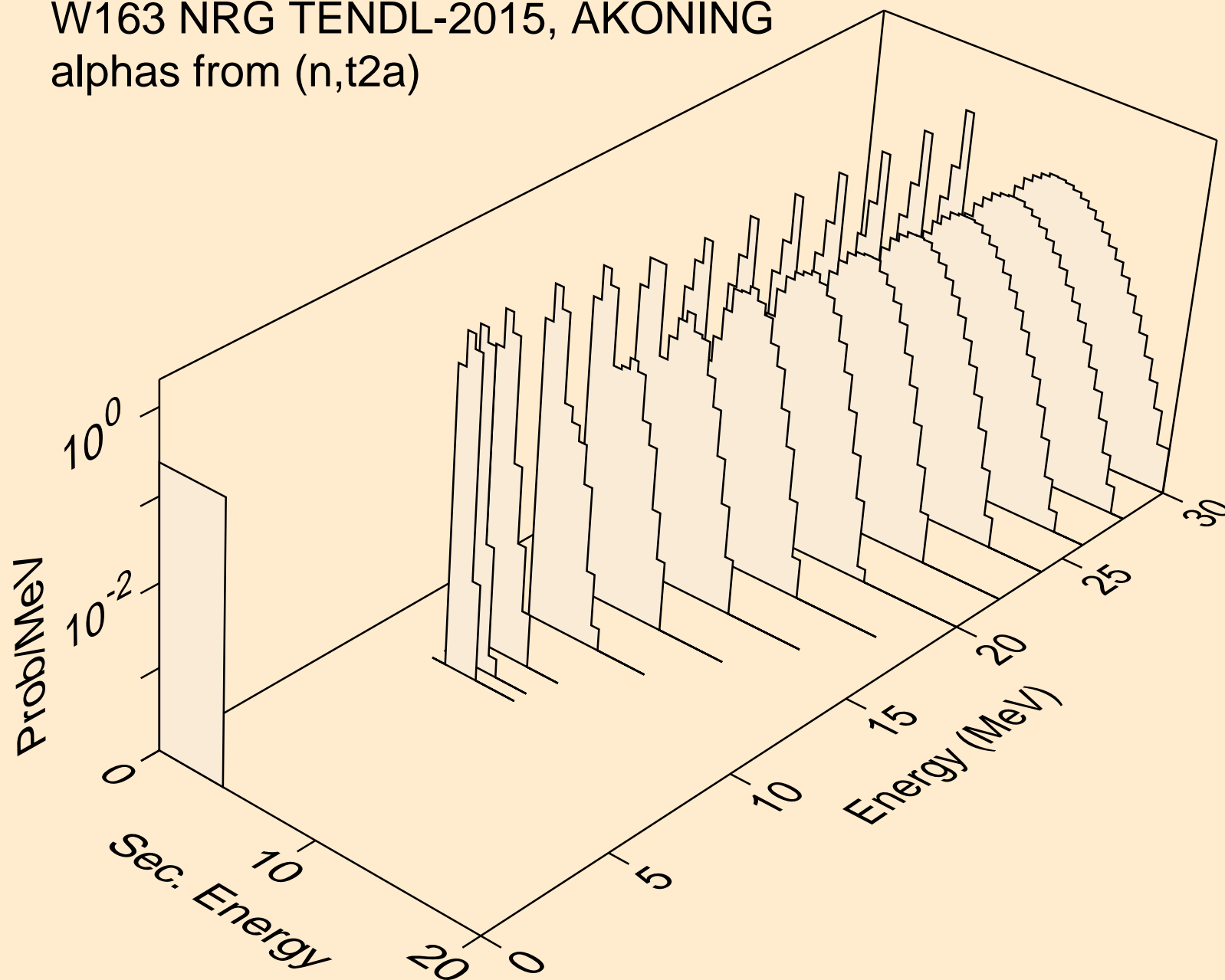
W163 NRG TENDL-2015, AKONING  
alphas from (n,3a)



W163 NRG TENDL-2015, AKONING  
alphas from (n,pa)

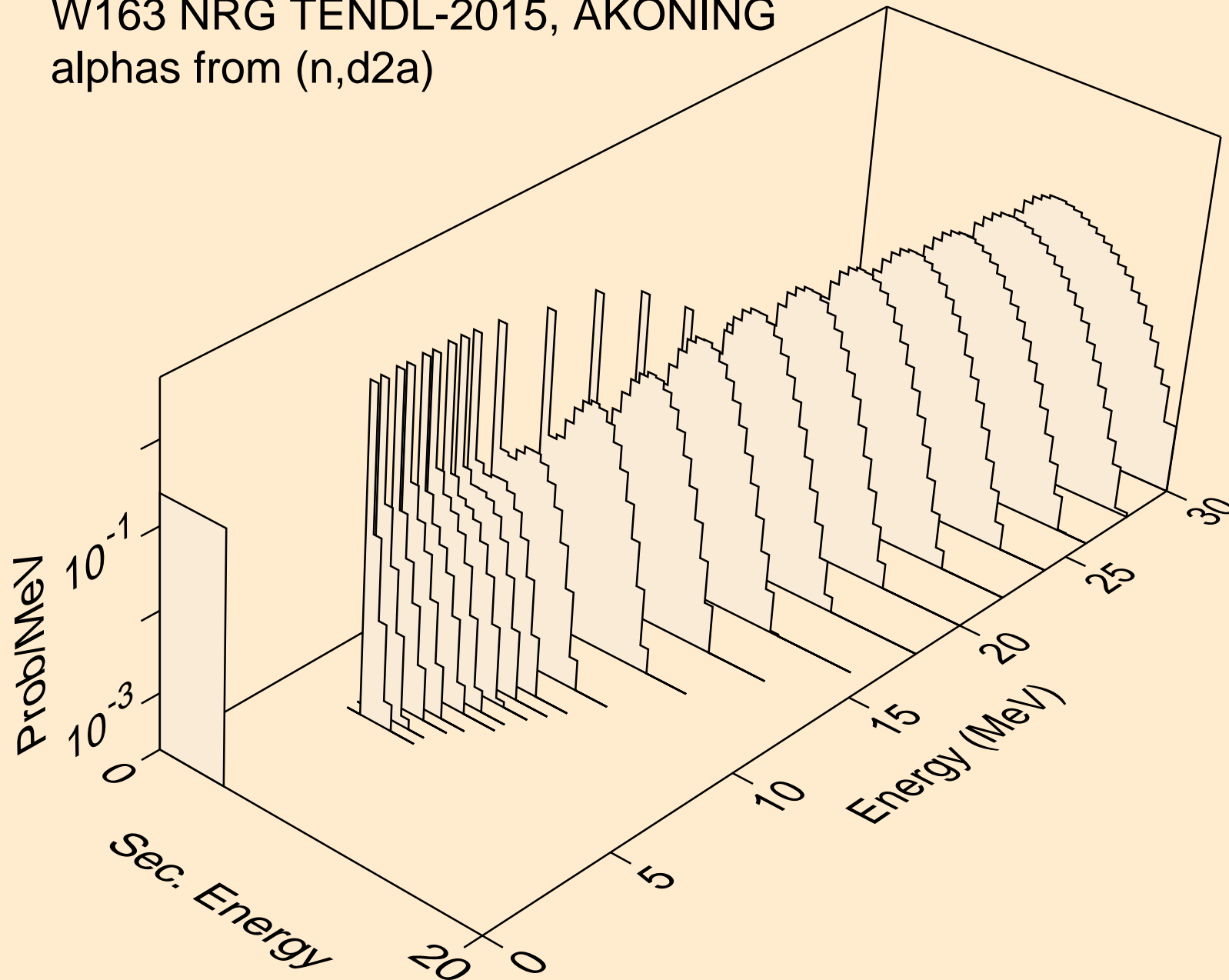


W163 NRG TENDL-2015, AKONING  
alphas from (n,t2a)





W163 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



W163 NRG TENDL-2015, AKONING  
alphas from (n,da)

