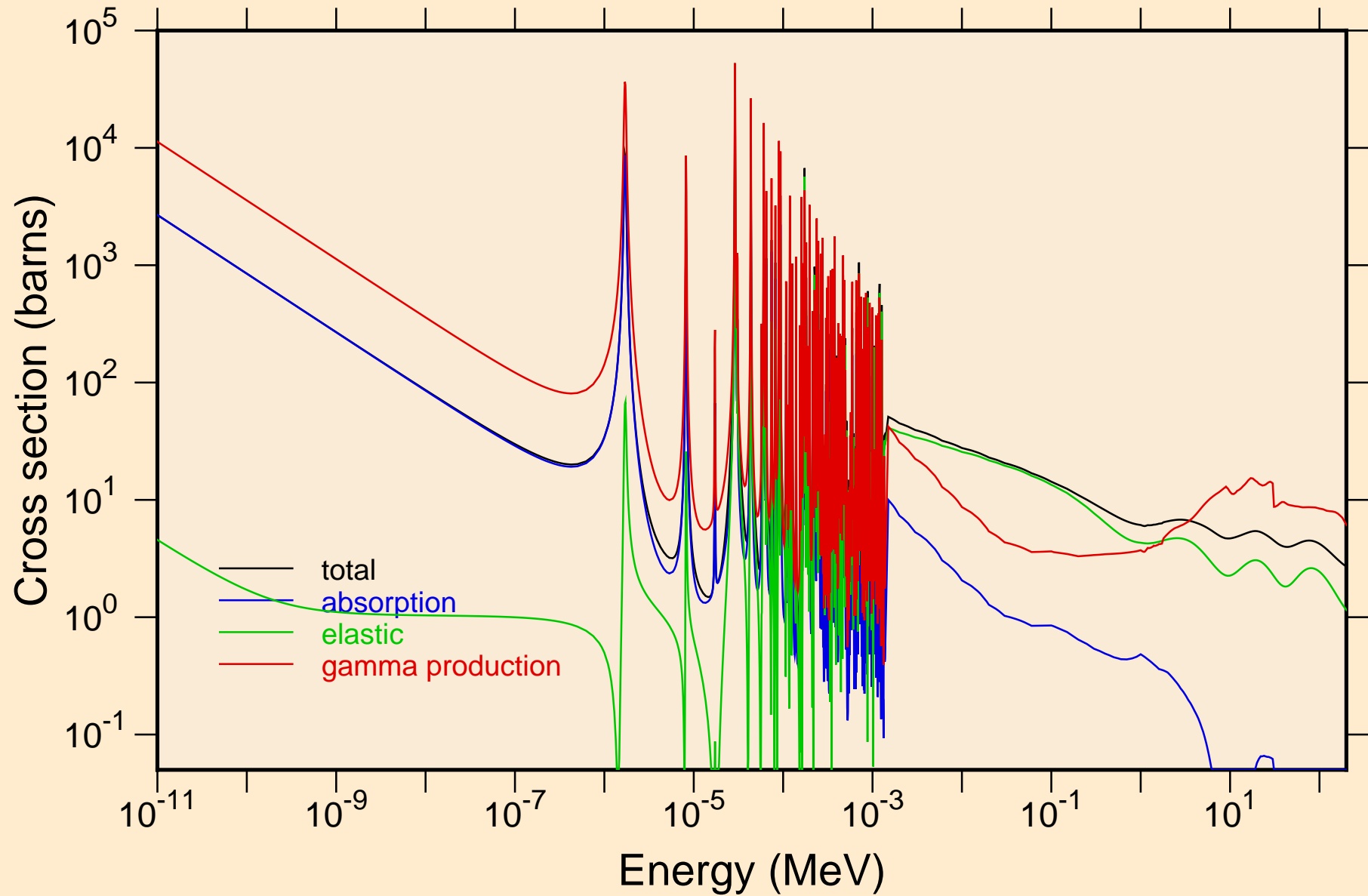
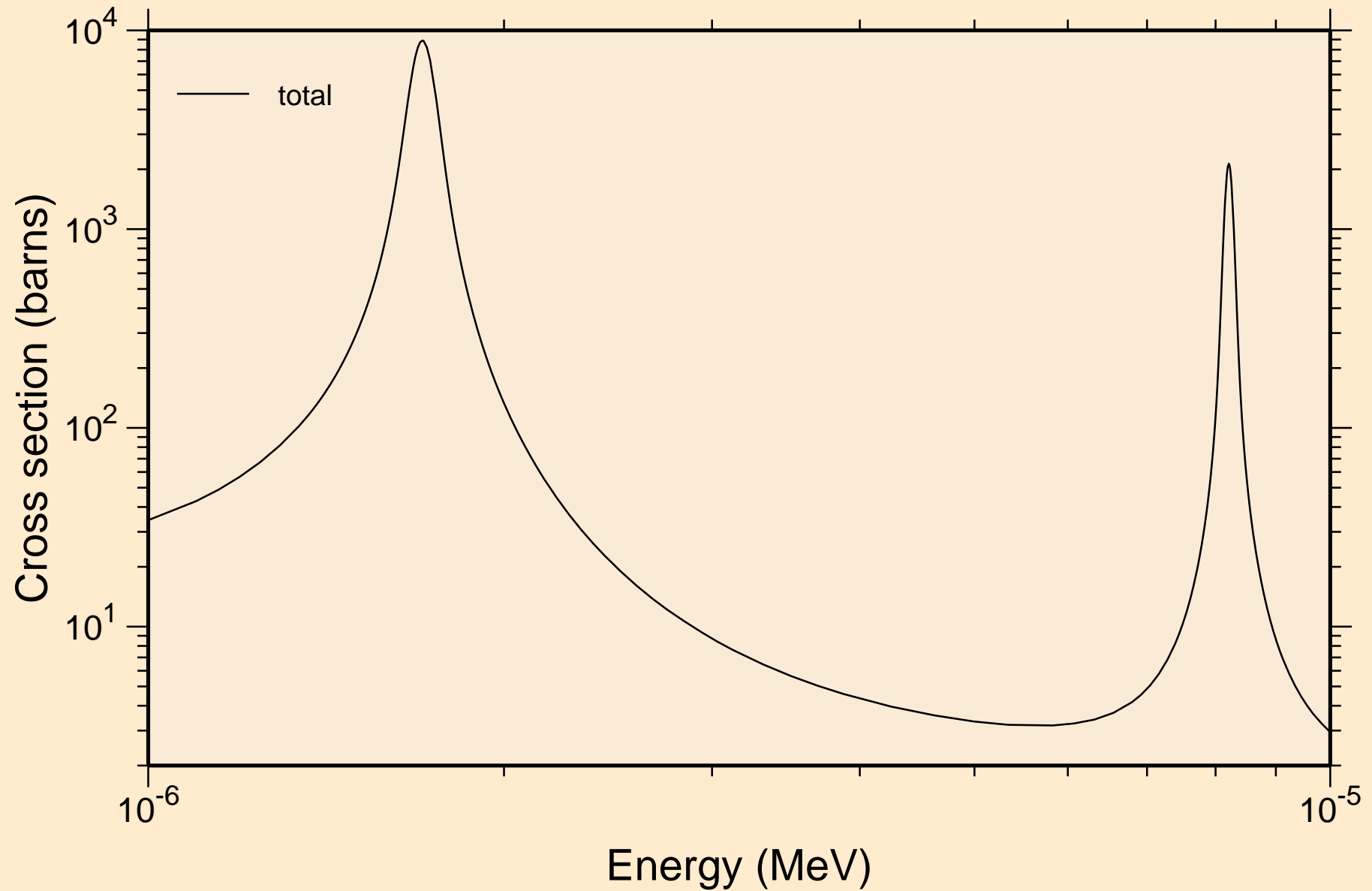


# W178 NRG TENDL-2015, AKONING

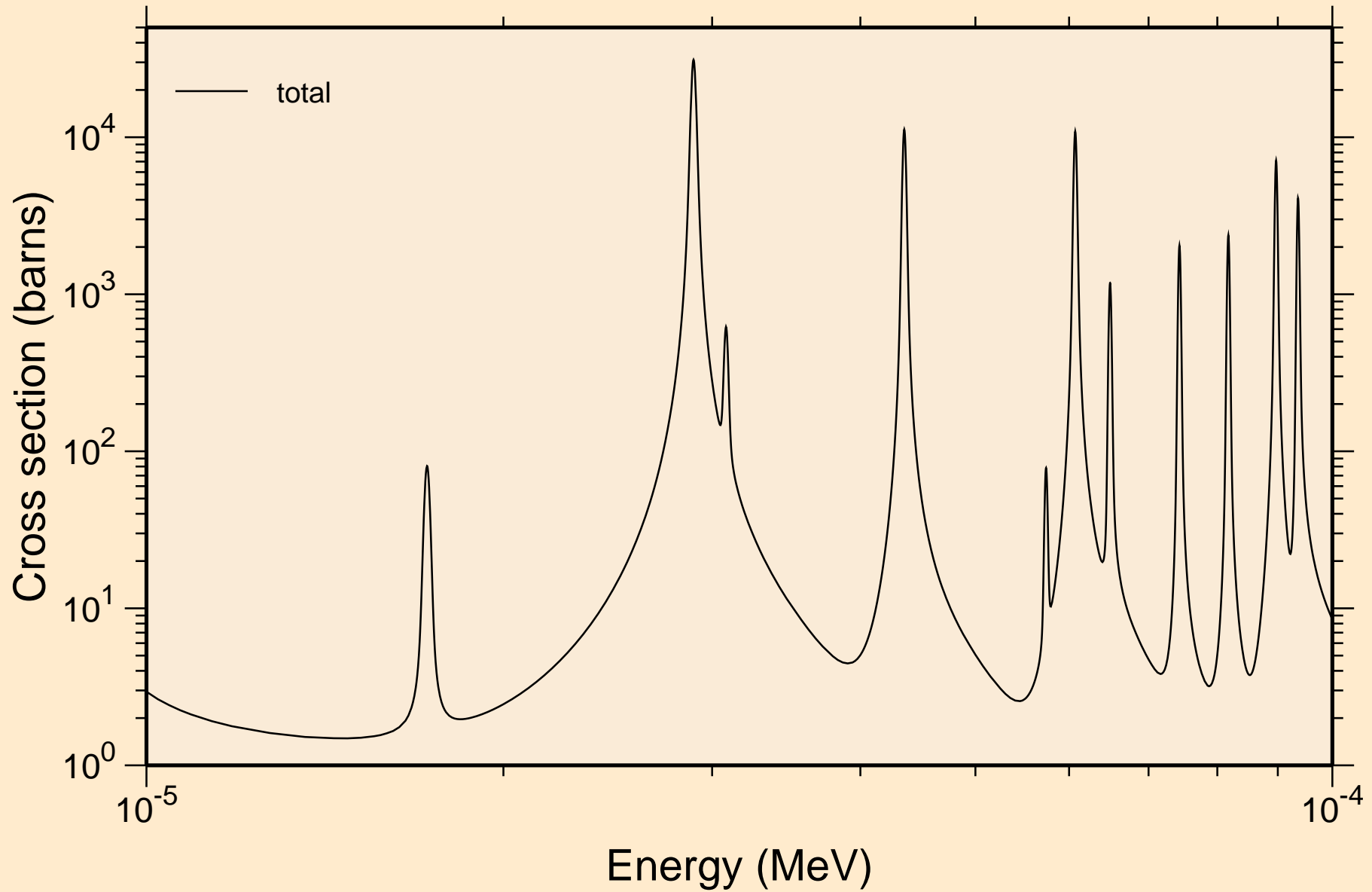
## Principal cross sections



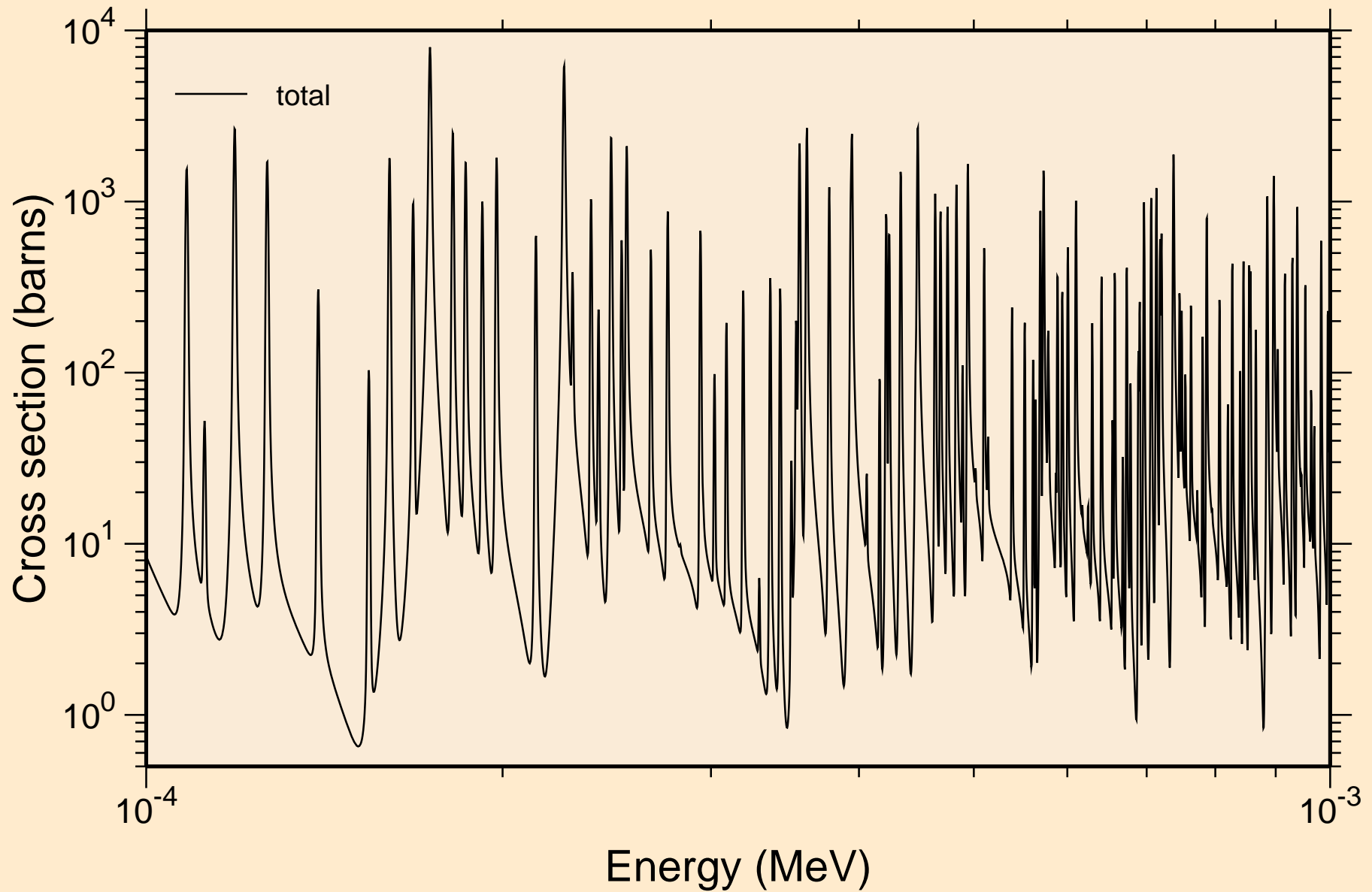
W178 NRG TENDL-2015, AKONING  
resonance total cross section



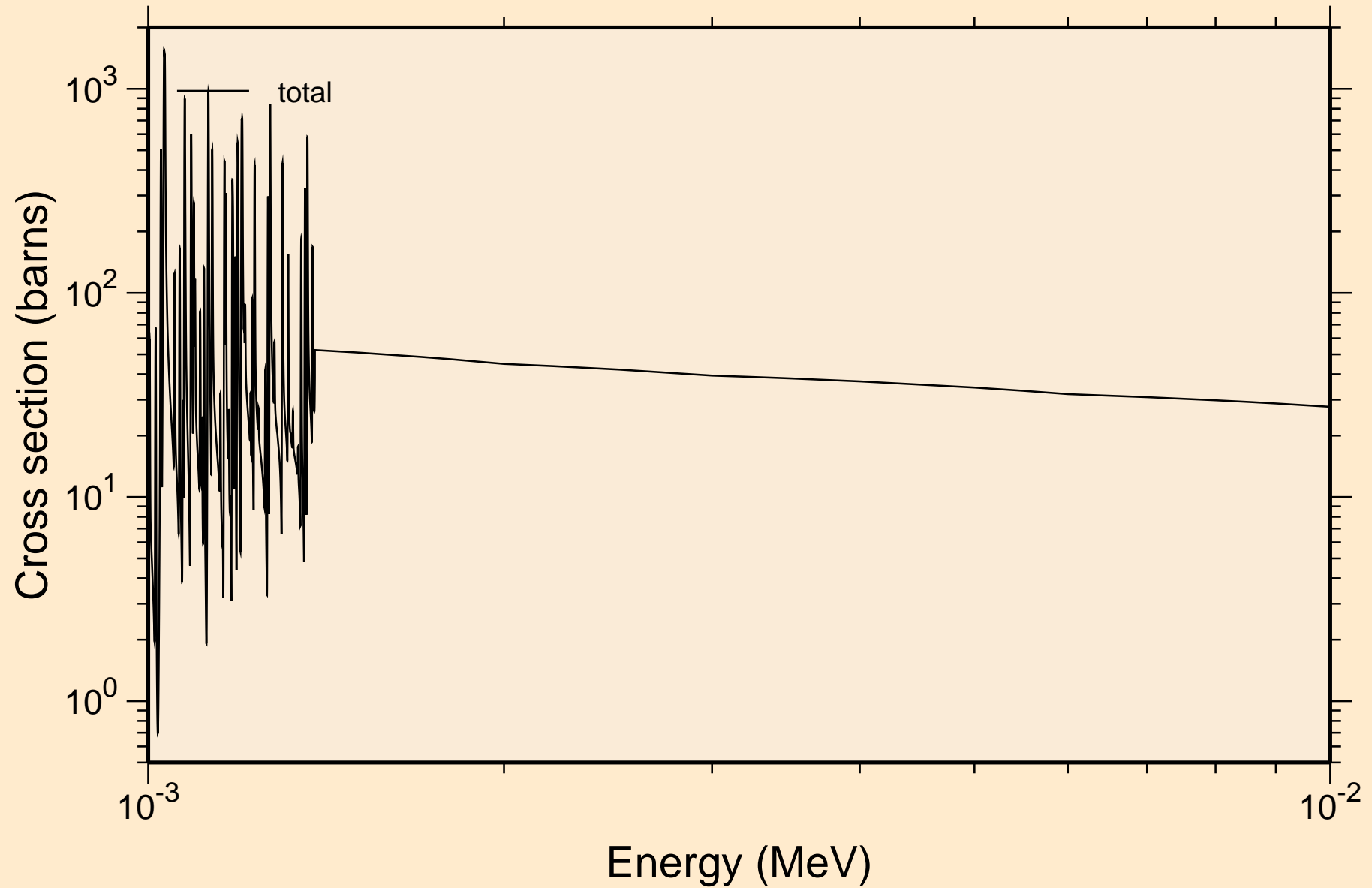
W178 NRG TENDL-2015, AKONING  
resonance total cross section



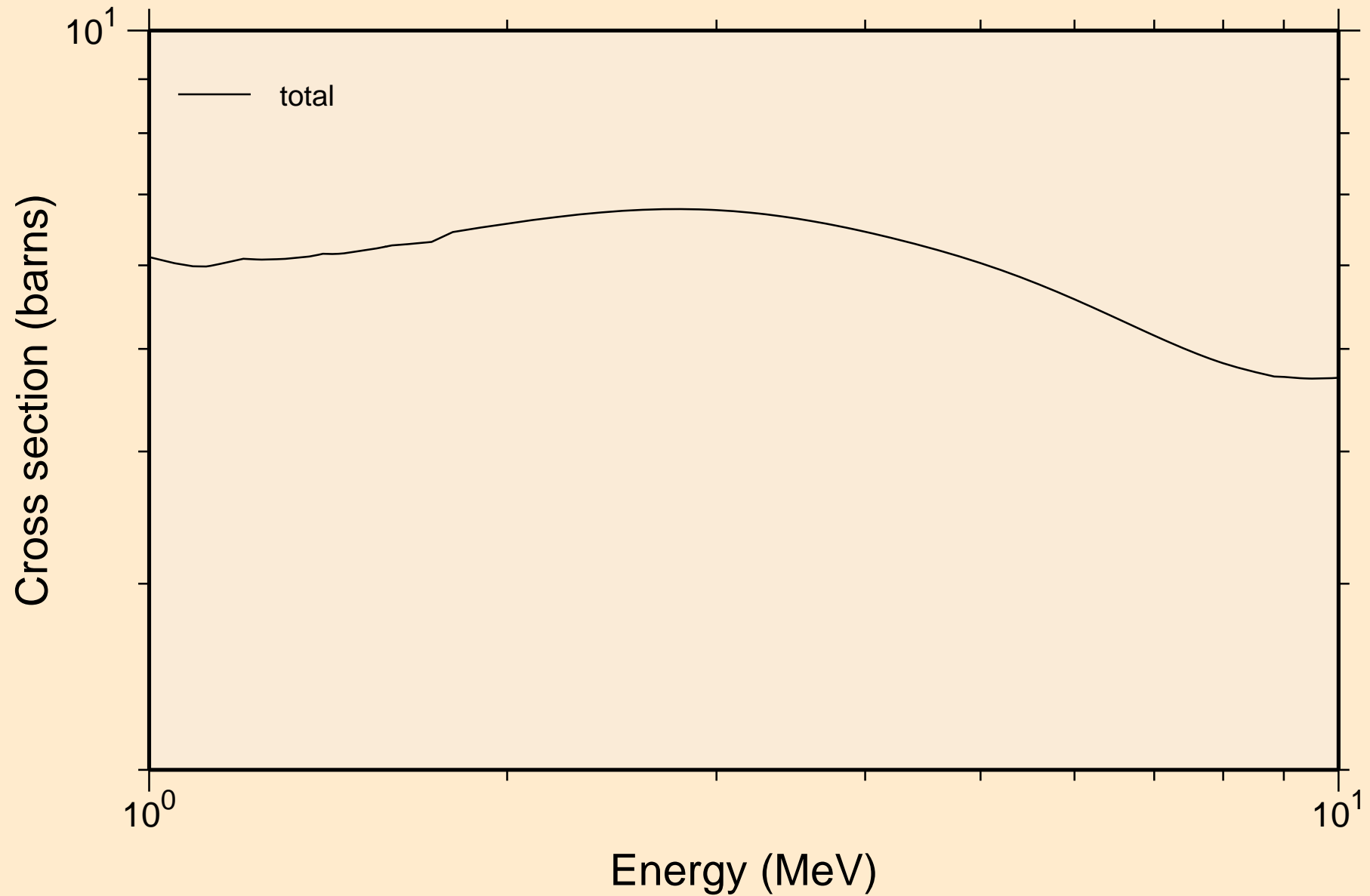
W178 NRG TENDL-2015, AKONING  
resonance total cross section



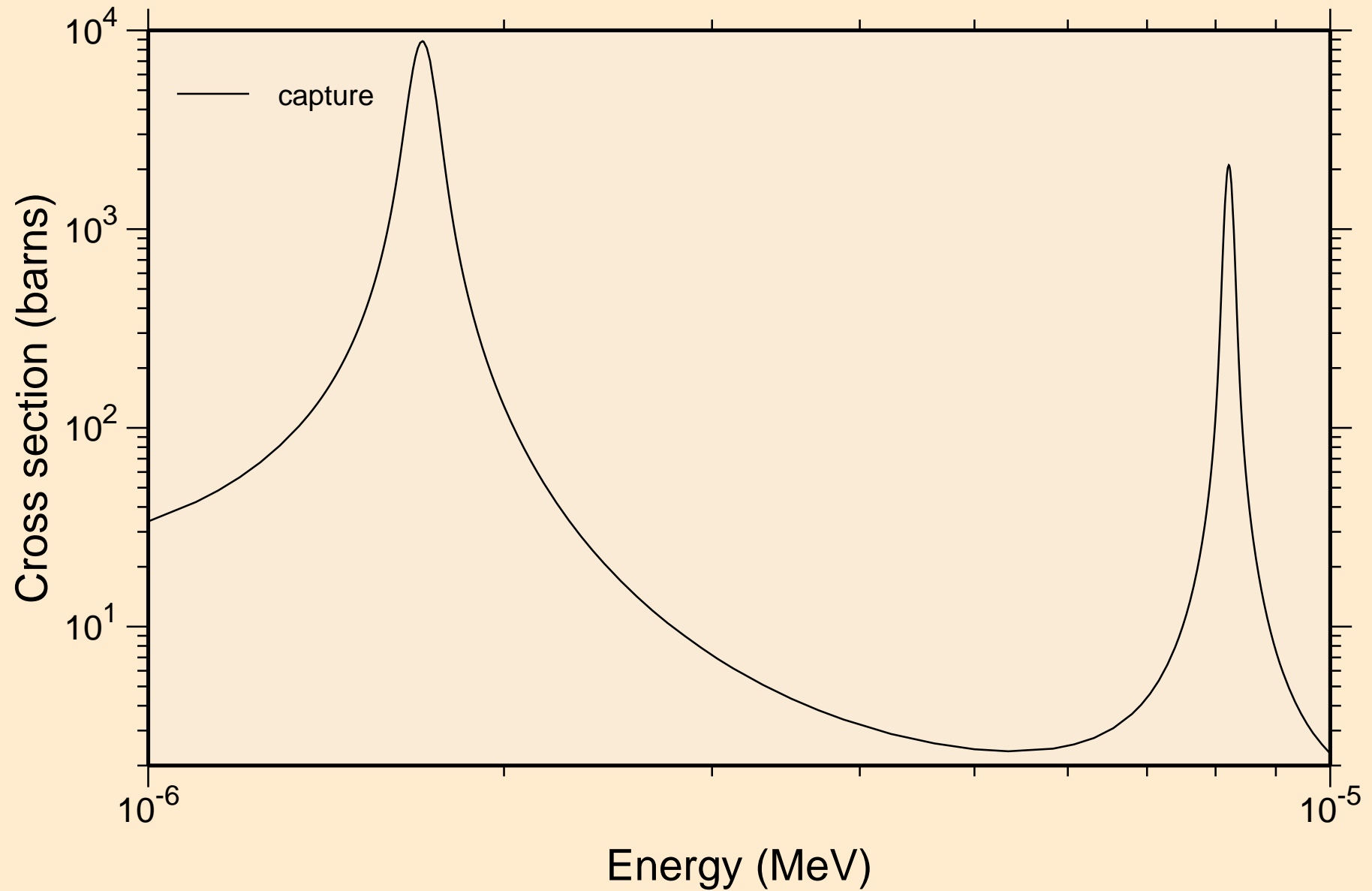
W178 NRG TENDL-2015, AKONING  
resonance total cross section



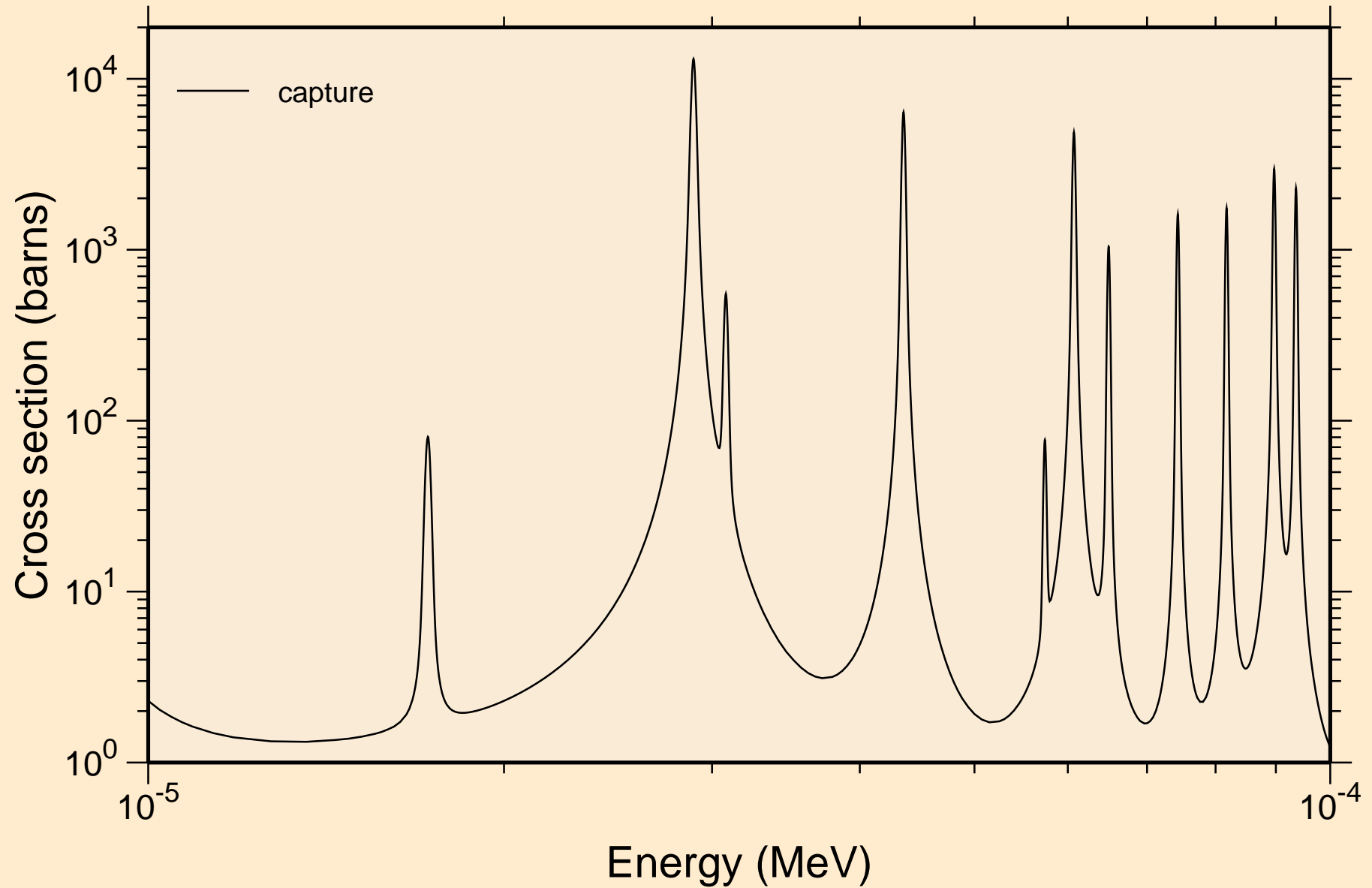
W178 NRG TENDL-2015, AKONING  
resonance total cross section



W178 NRG TENDL-2015, AKONING  
resonance absorption cross sections

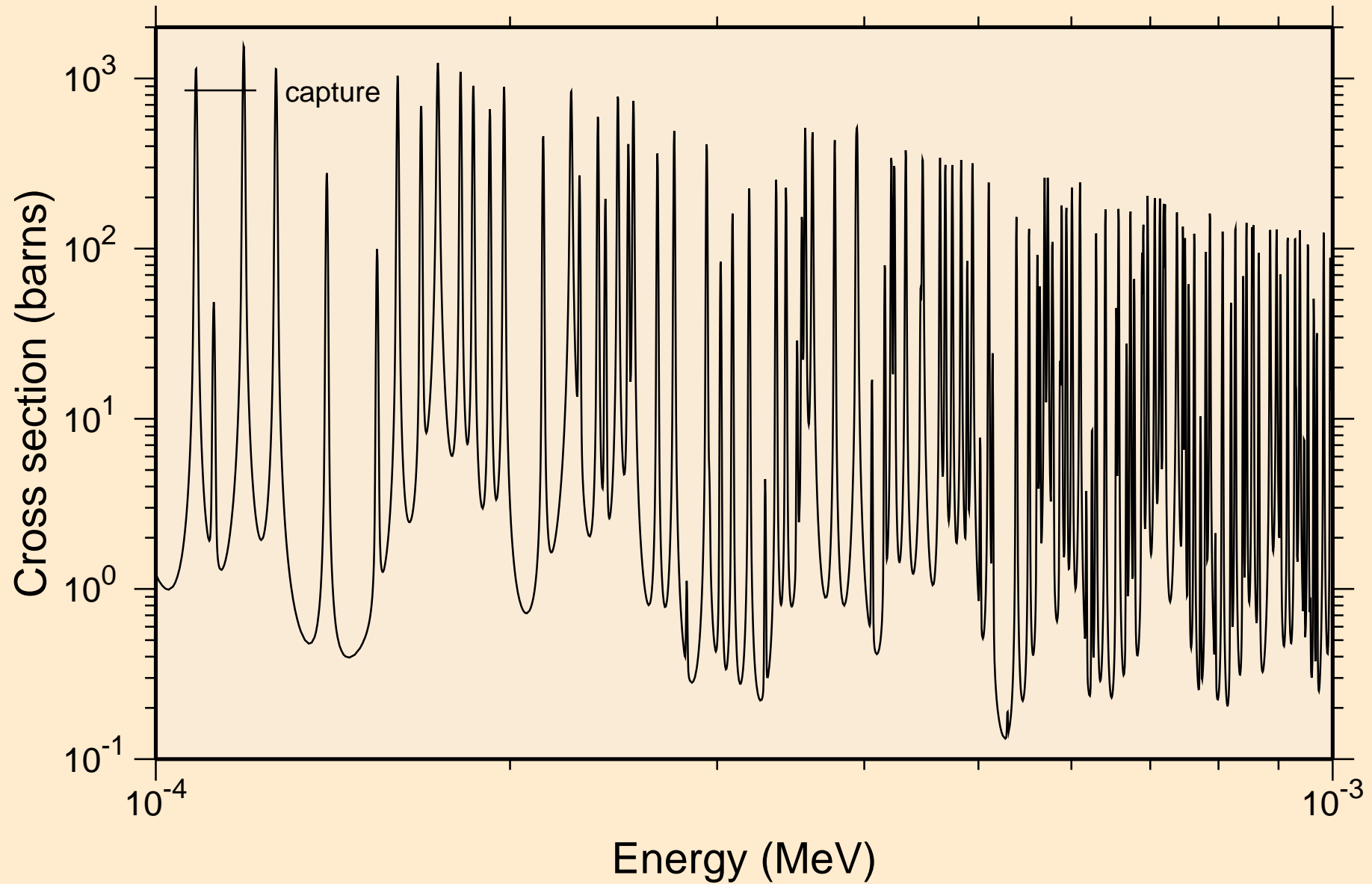


W178 NRG TENDL-2015, AKONING  
resonance absorption cross sections

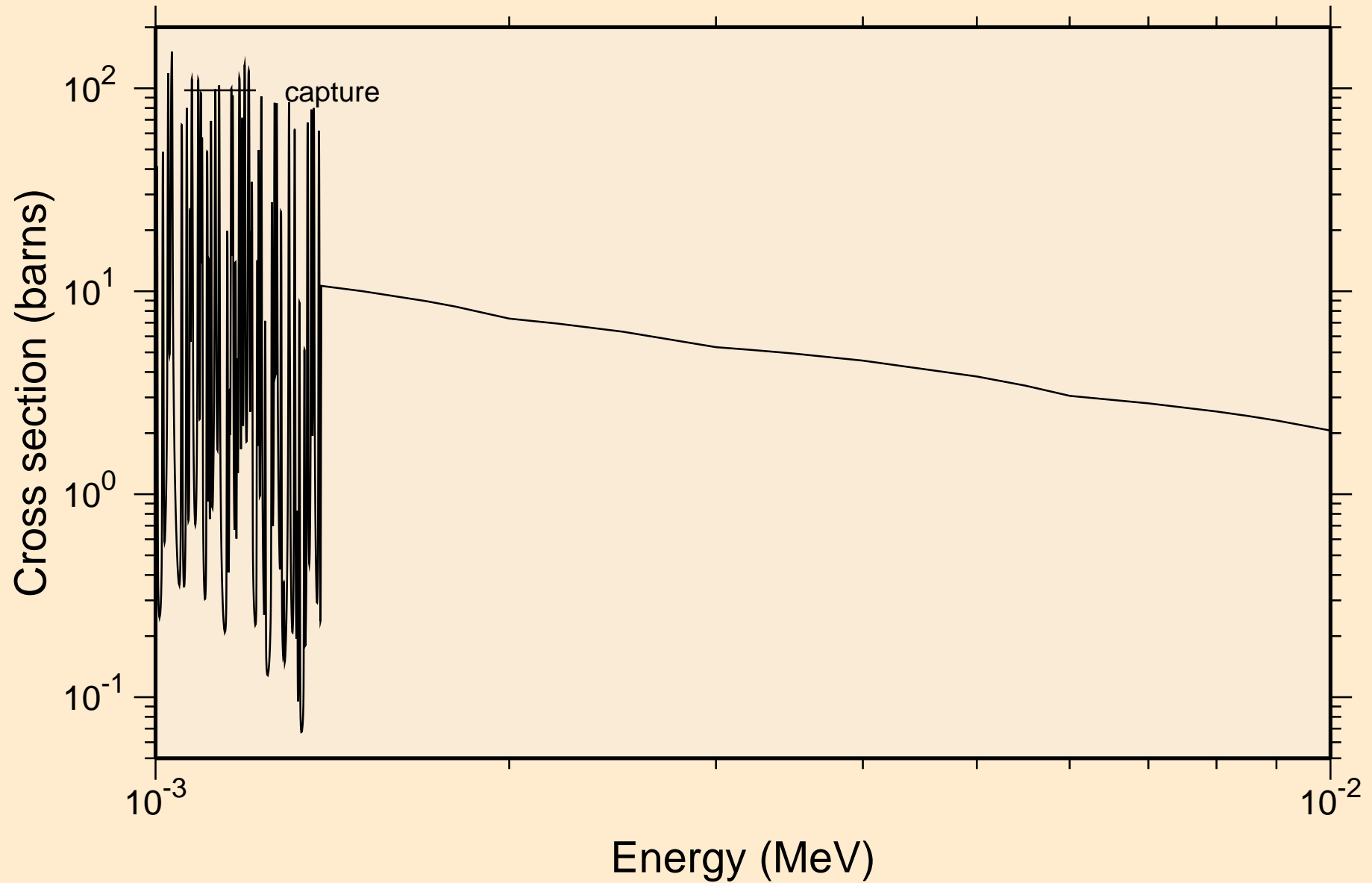




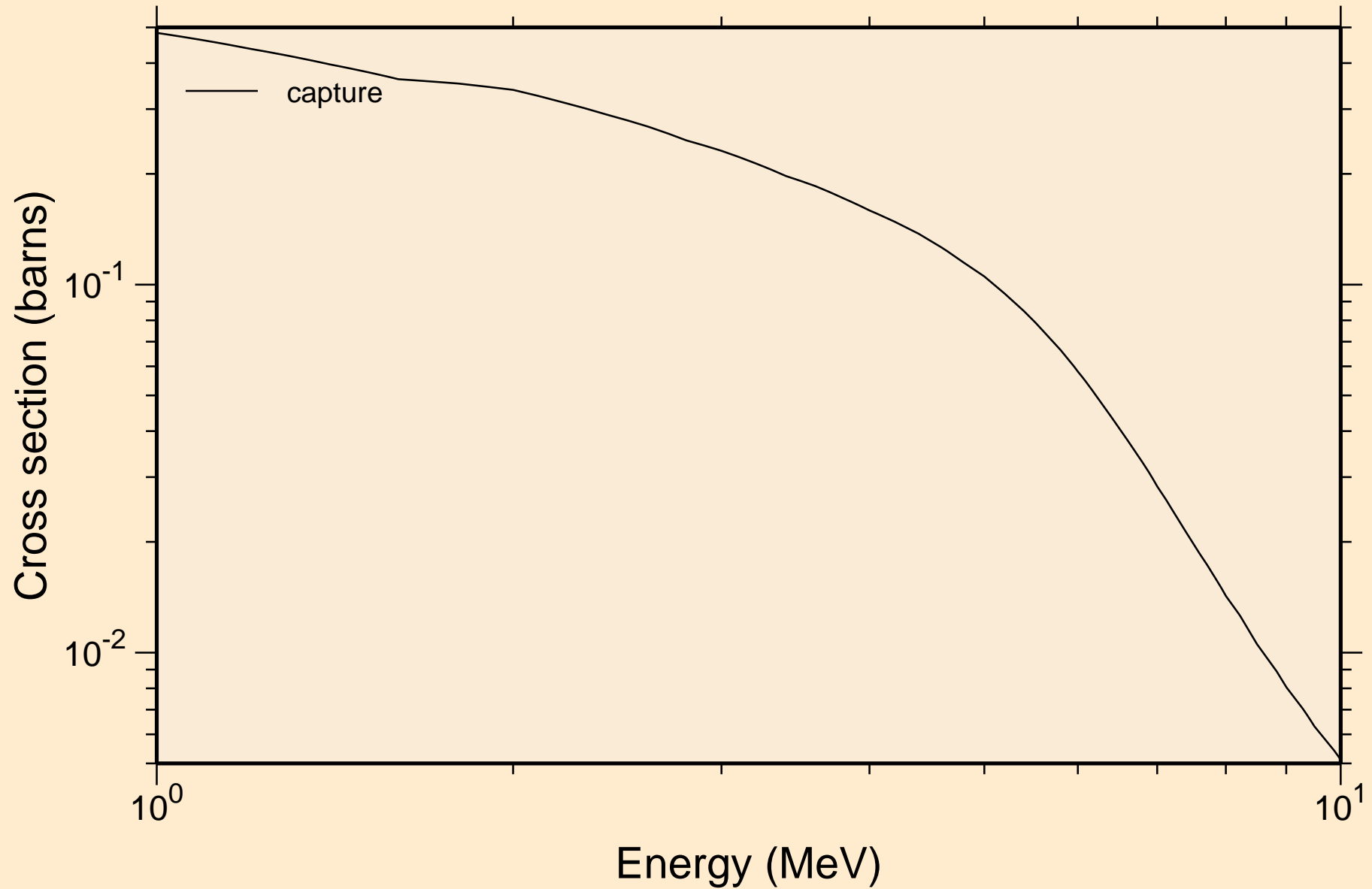
W178 NRG TENDL-2015, AKONING  
resonance absorption cross sections



W178 NRG TENDL-2015, AKONING  
resonance absorption cross sections

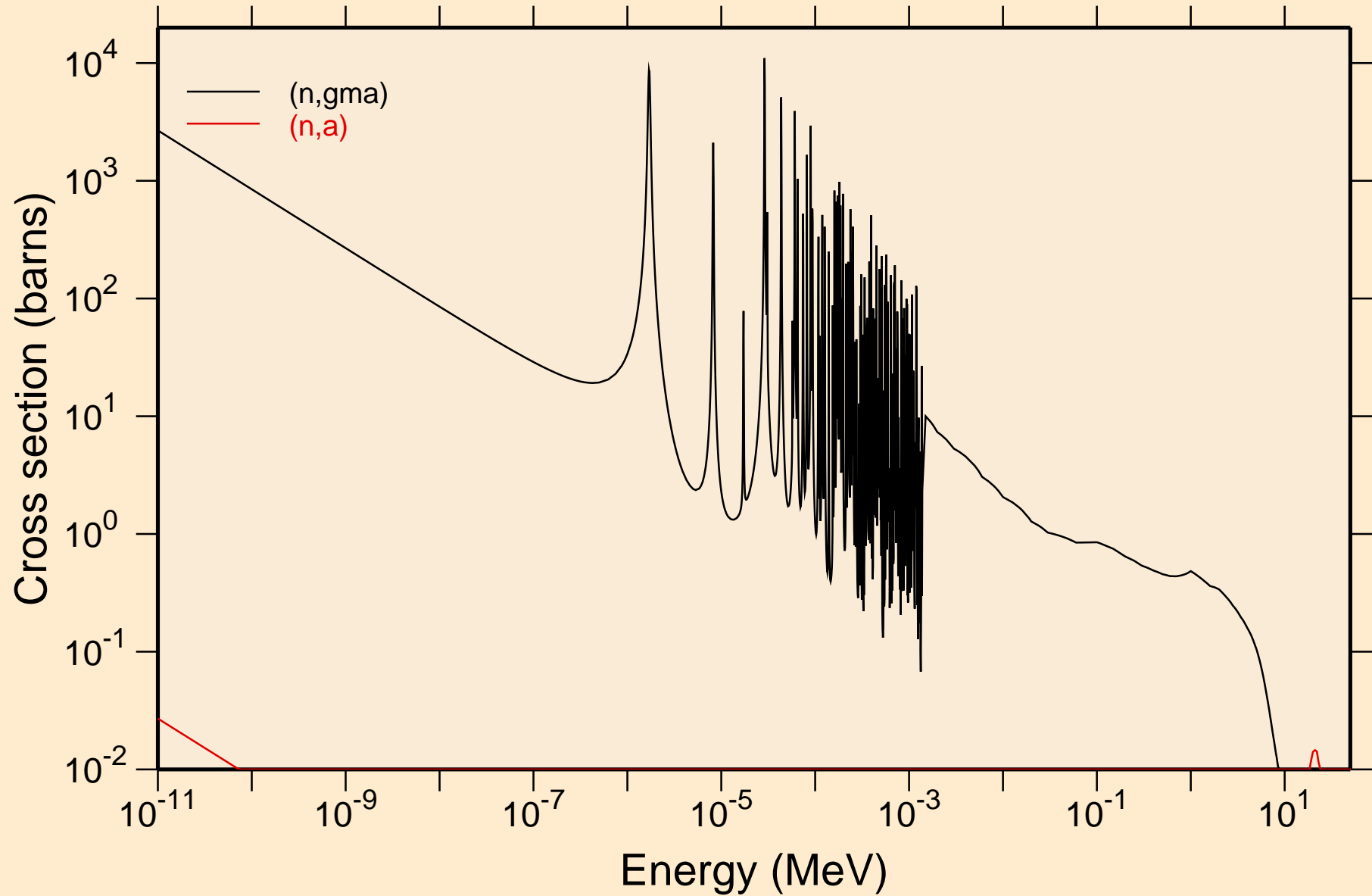


W178 NRG TENDL-2015, AKONING  
resonance absorption cross sections



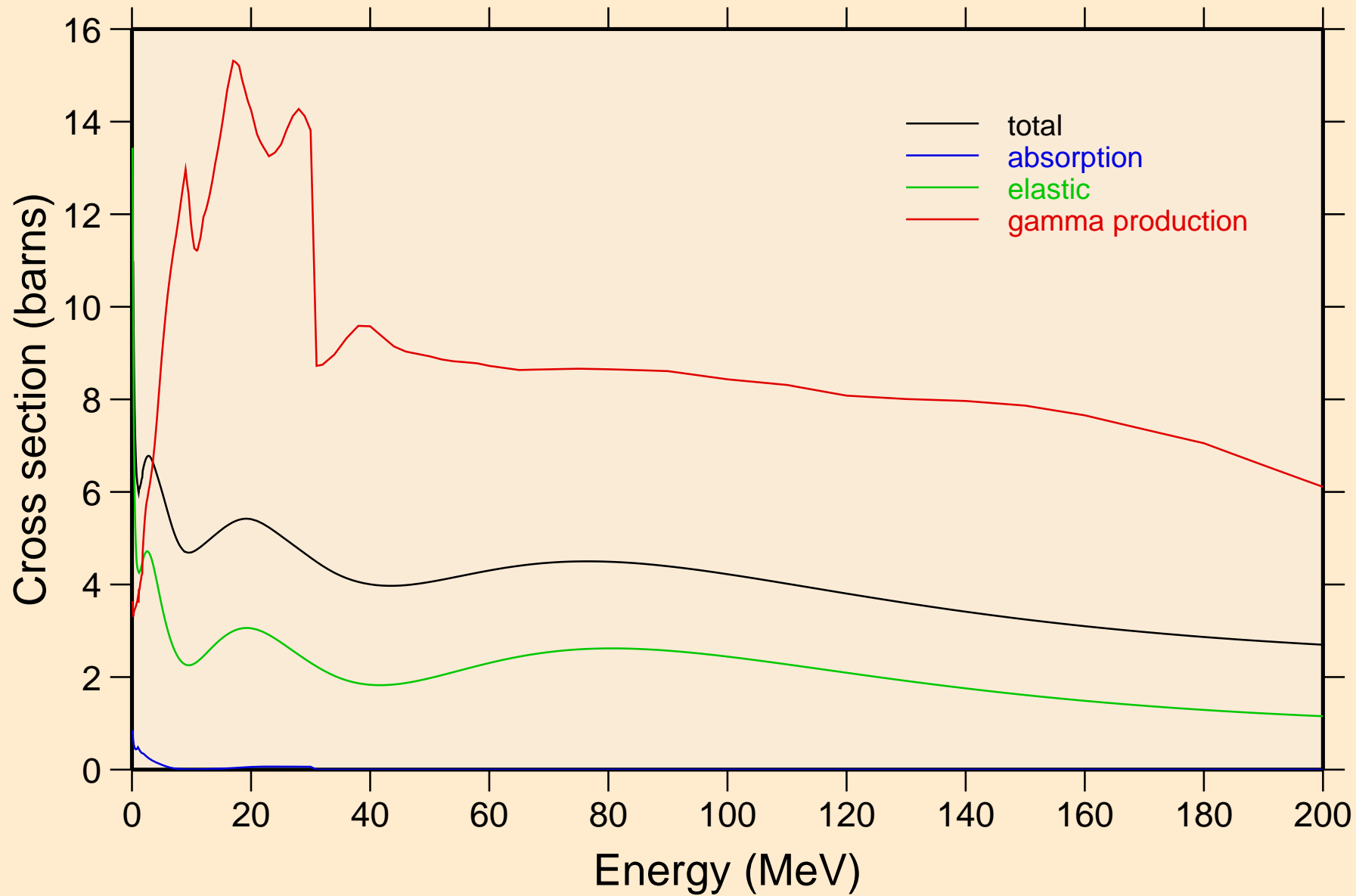
# W178 NRG TENDL-2015, AKONING

## Non-threshold reactions

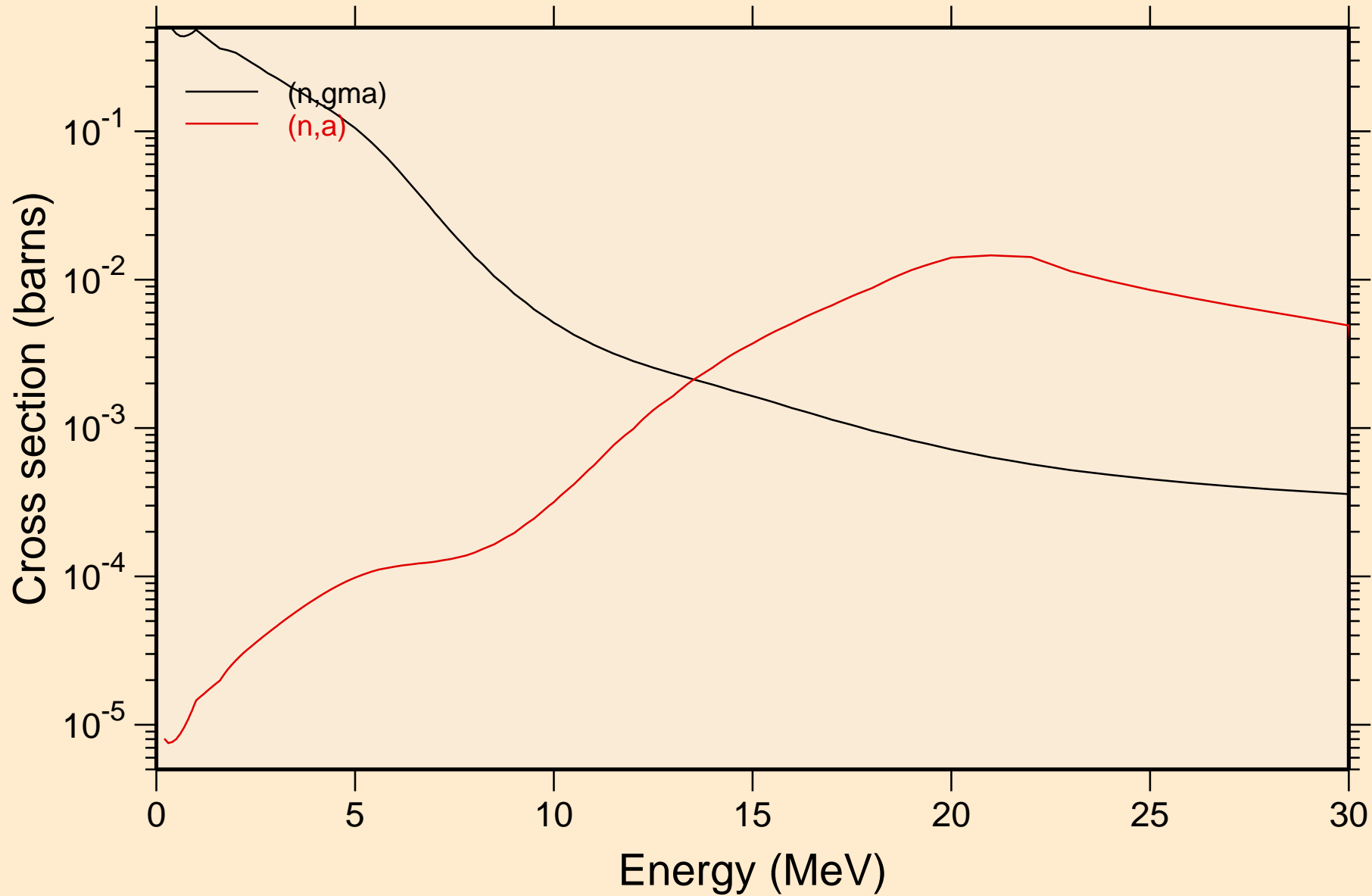


# W178 NRG TENDL-2015, AKONING

## Principal cross sections

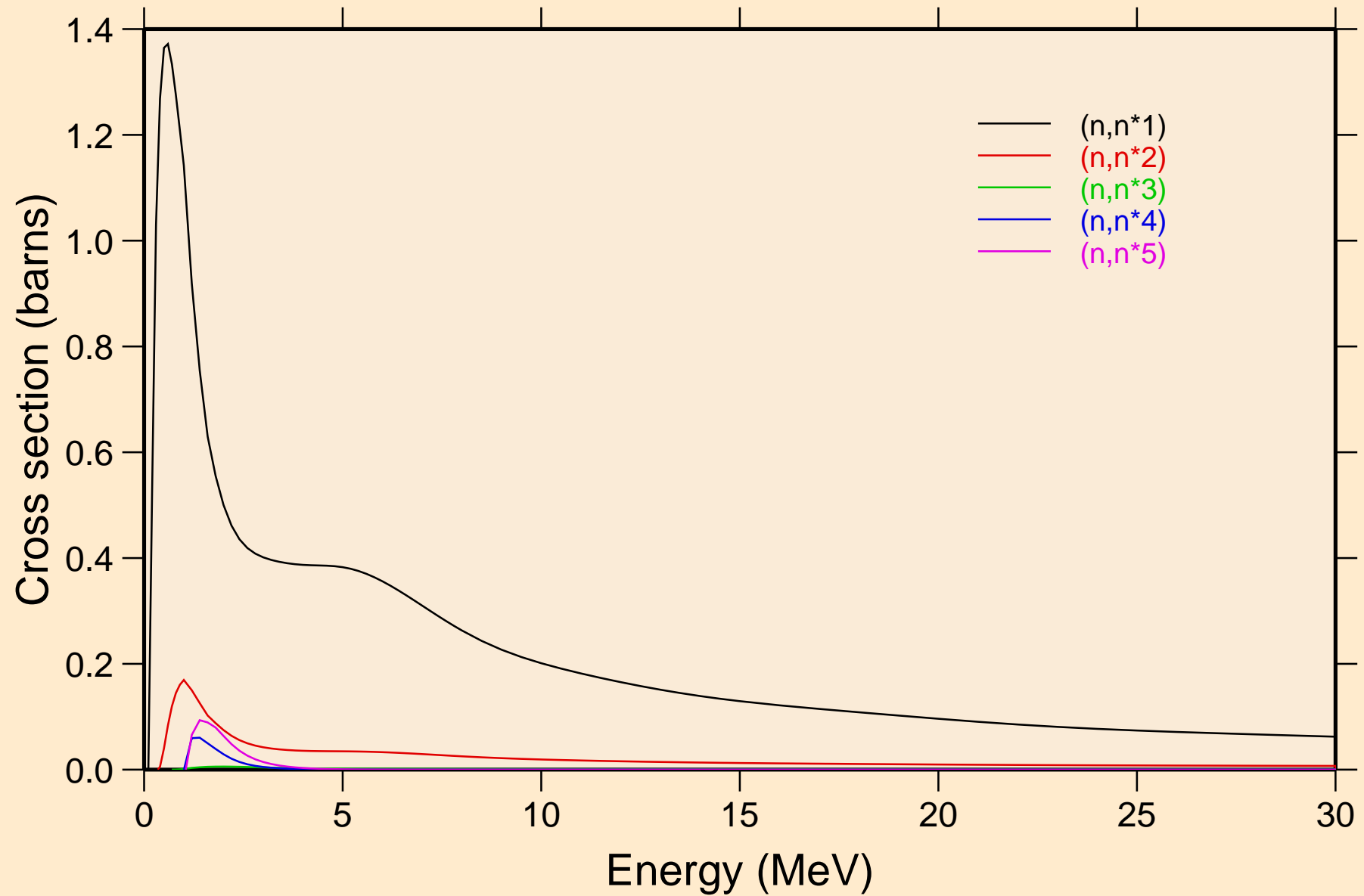


W178 NRG TENDL-2015, AKONING  
Non-threshold reactions



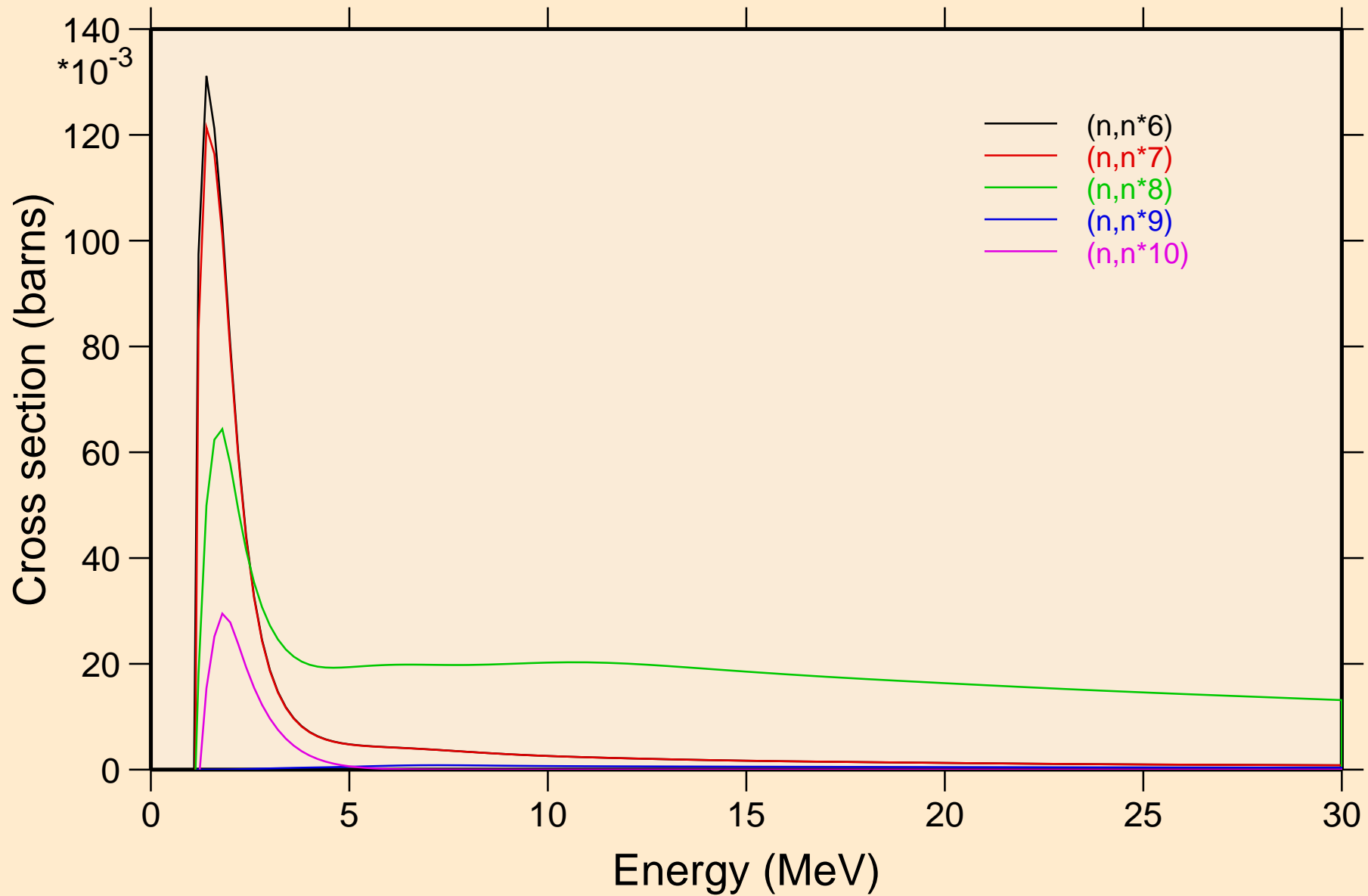
# W178 NRG TENDL-2015, AKONING

## Inelastic levels



# W178 NRG TENDL-2015, AKONING

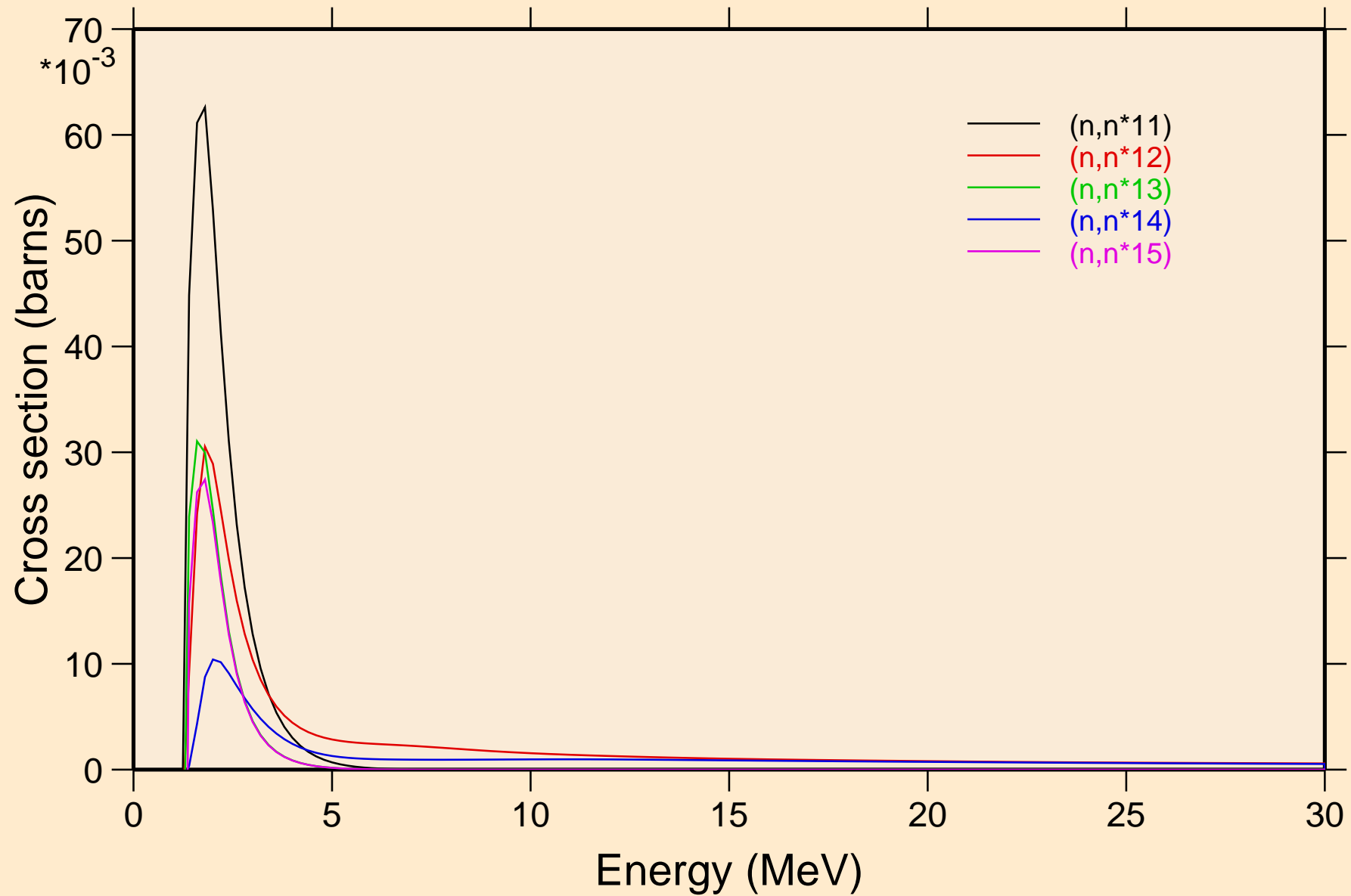
## Inelastic levels





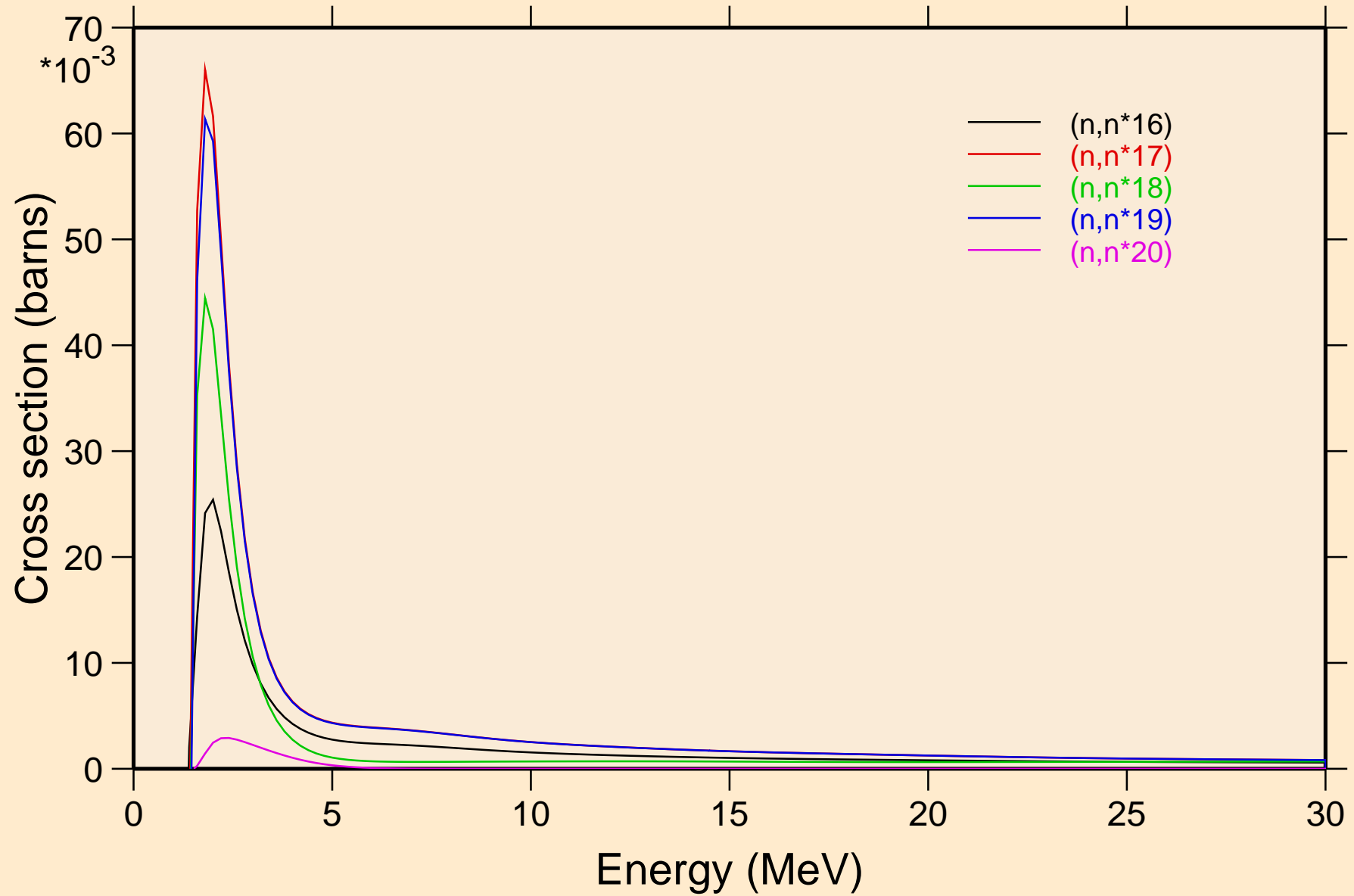
# W178 NRG TENDL-2015, AKONING

## Inelastic levels



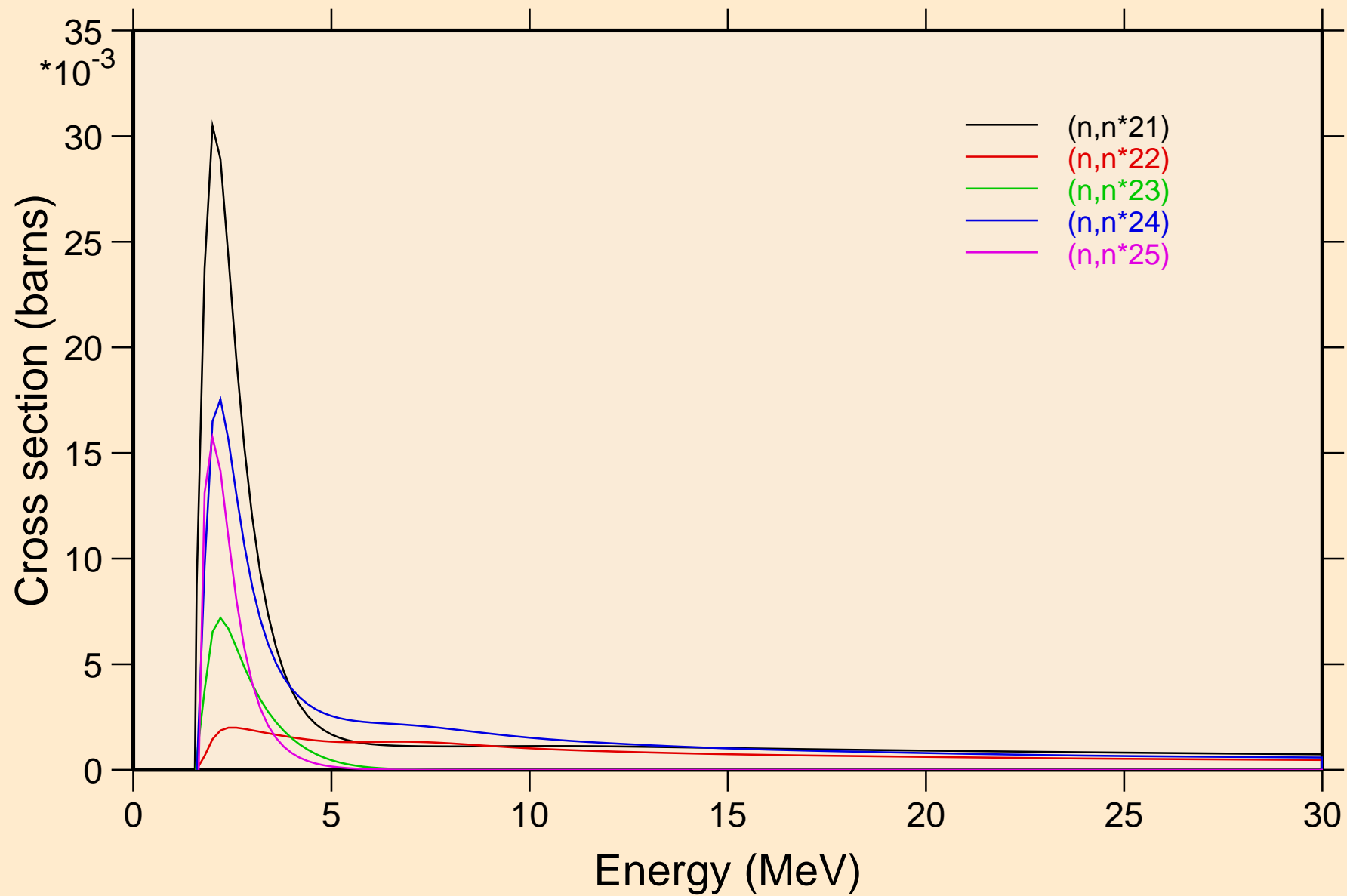
# W178 NRG TENDL-2015, AKONING

## Inelastic levels



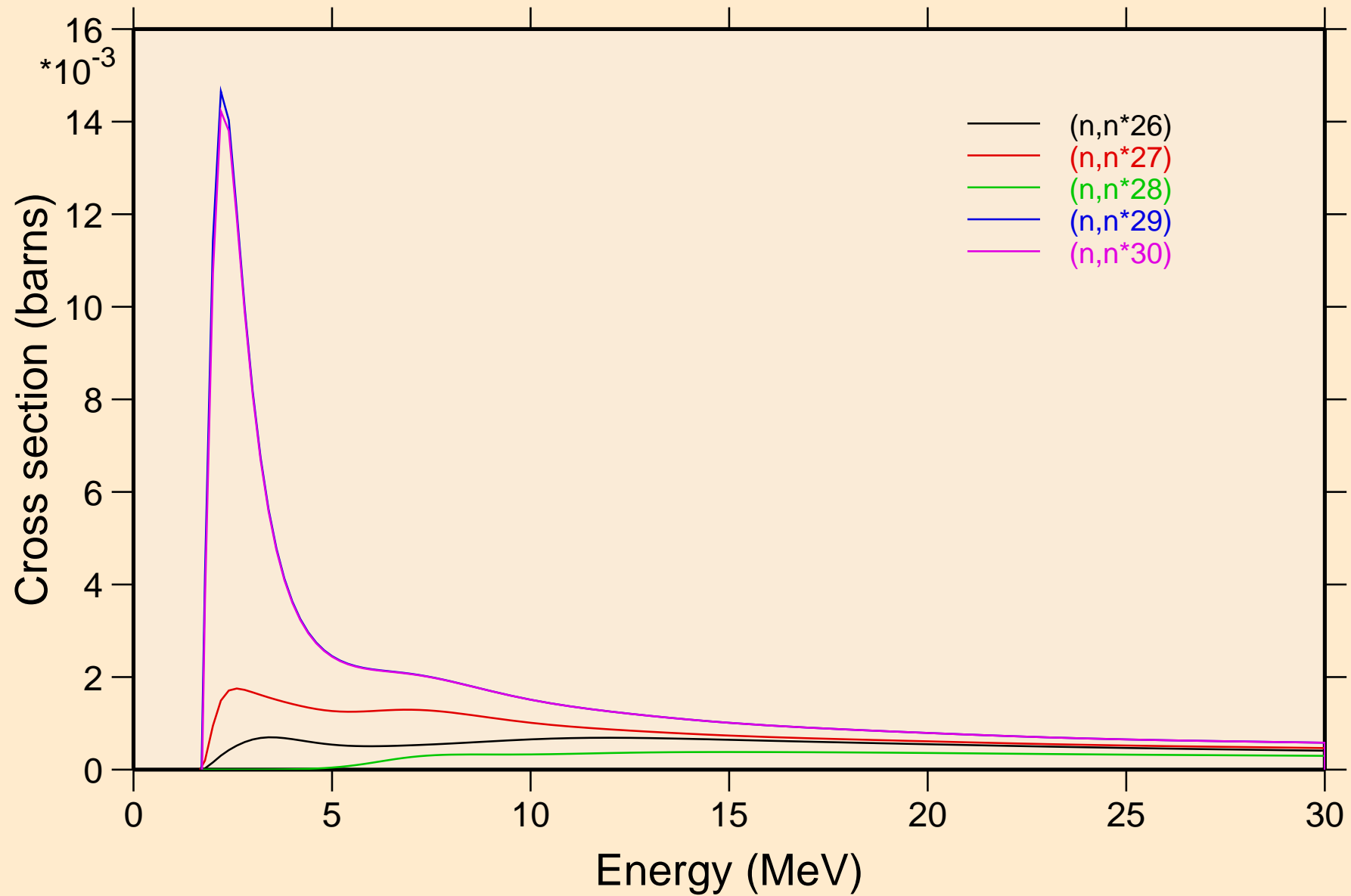
# W178 NRG TENDL-2015, AKONING

## Inelastic levels



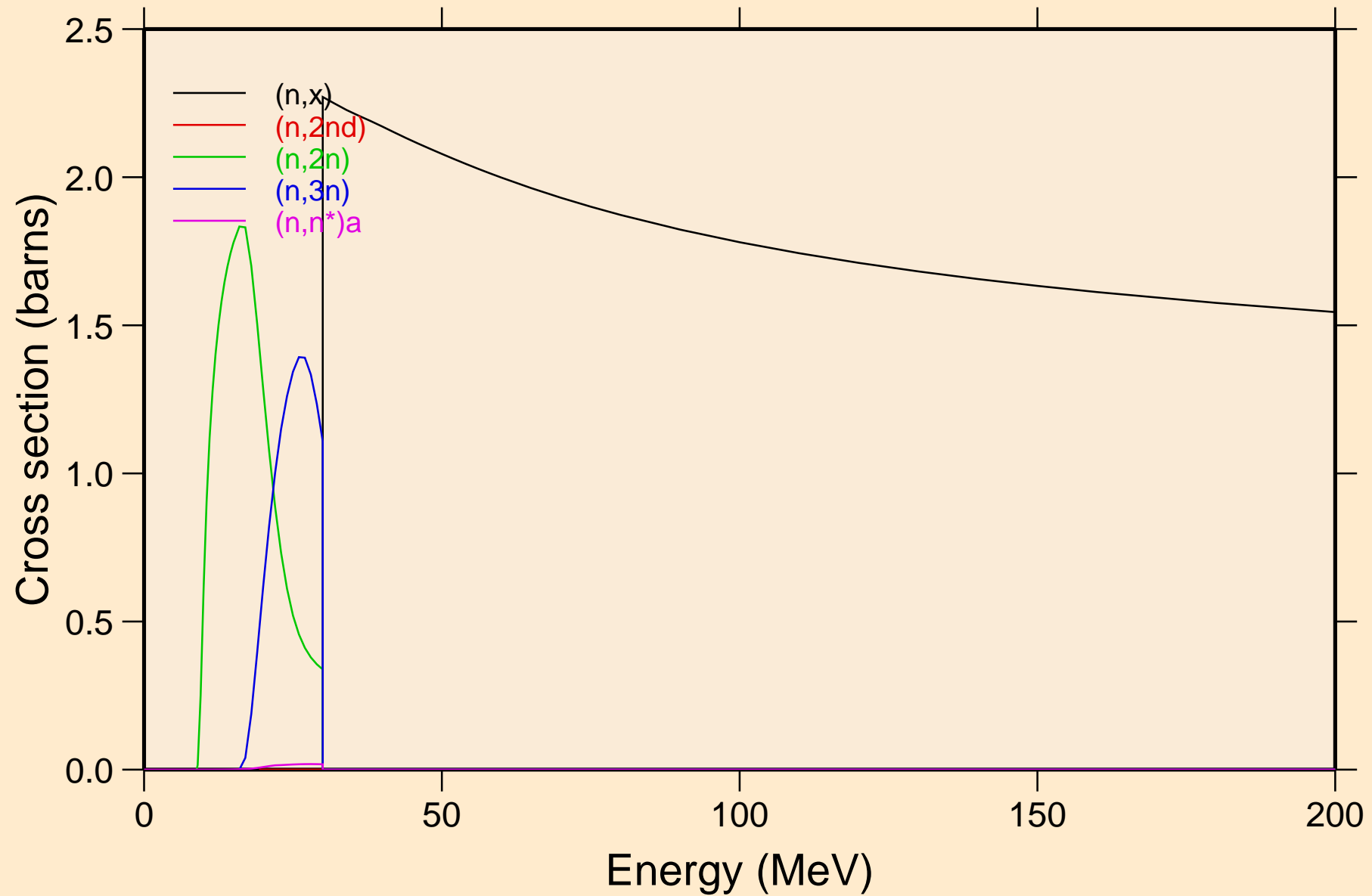
# W178 NRG TENDL-2015, AKONING

## Inelastic levels



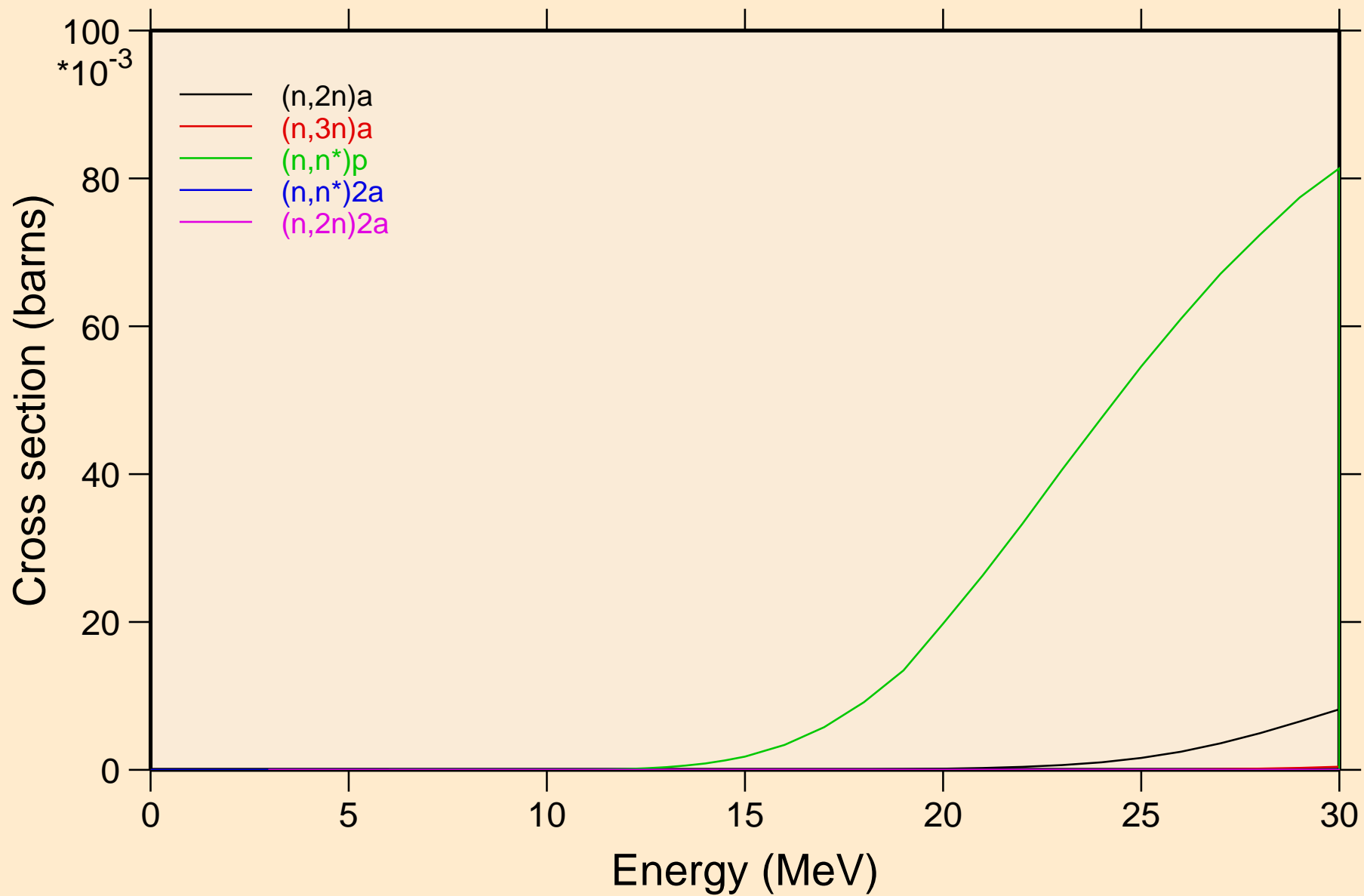
# W178 NRG TENDL-2015, AKONING

## Threshold reactions



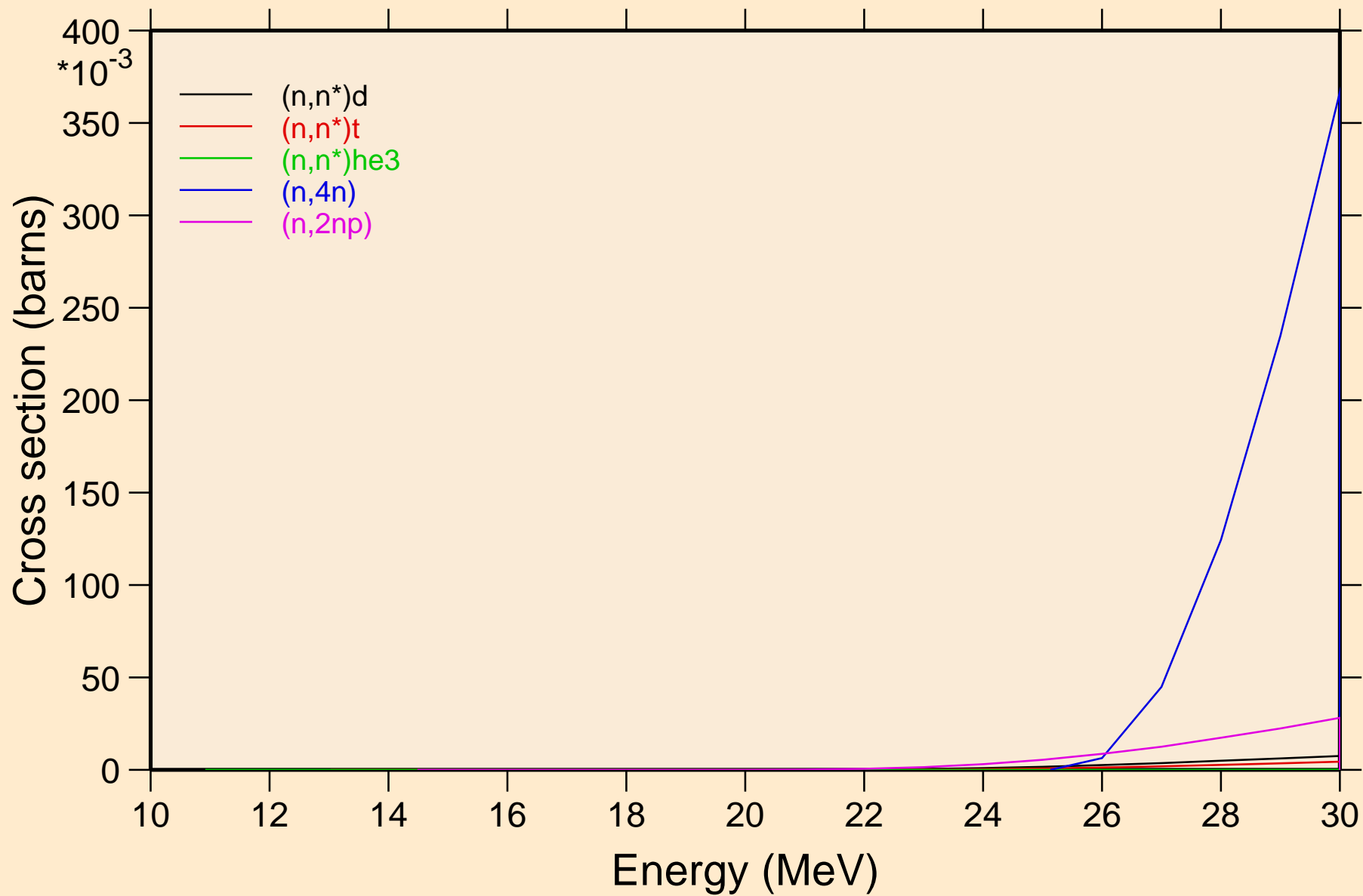
# W178 NRG TENDL-2015, AKONING

## Threshold reactions



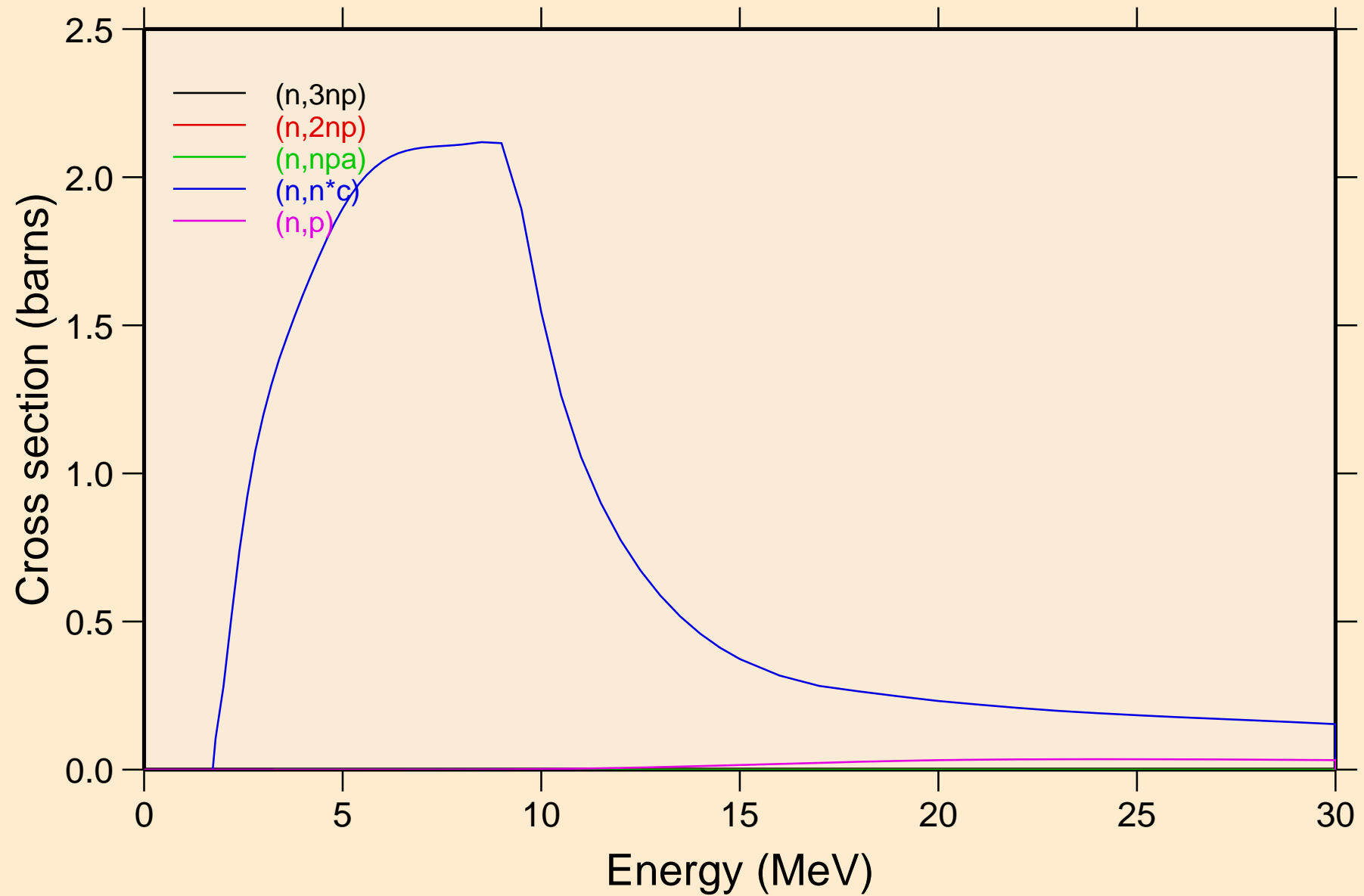
# W178 NRG TENDL-2015, AKONING

## Threshold reactions



# W178 NRG TENDL-2015, AKONING

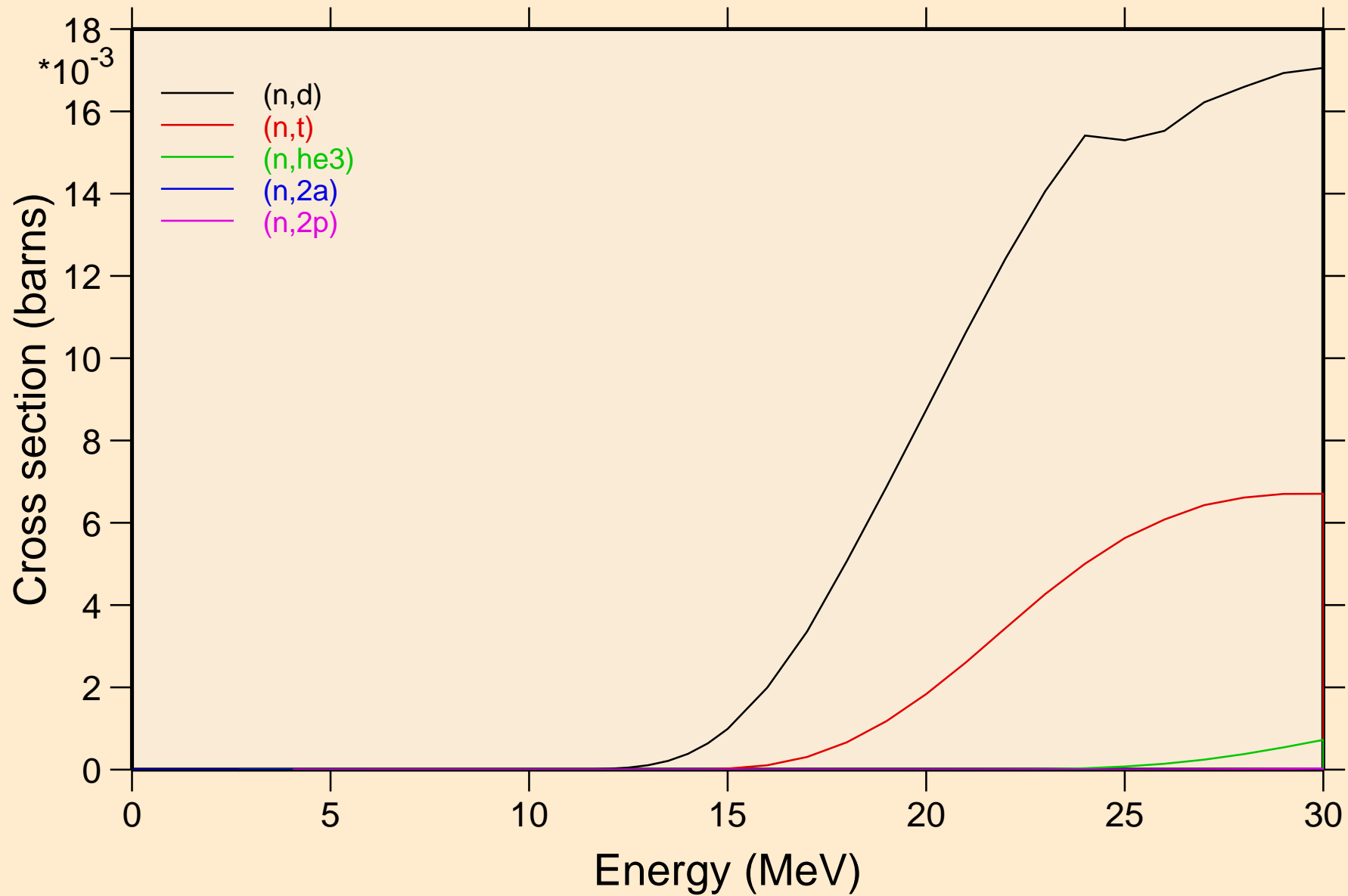
## Threshold reactions





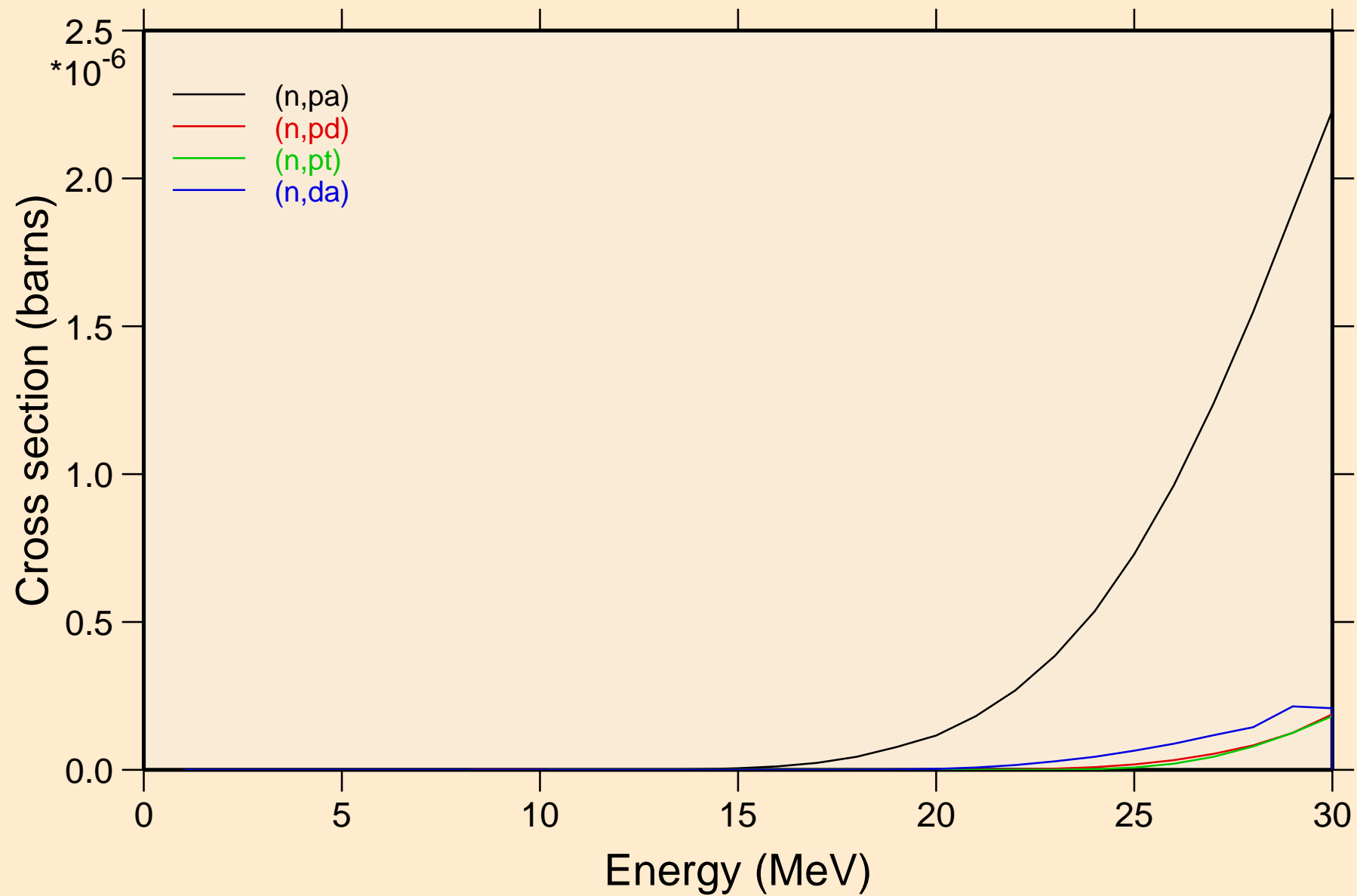
# W178 NRG TENDL-2015, AKONING

## Threshold reactions

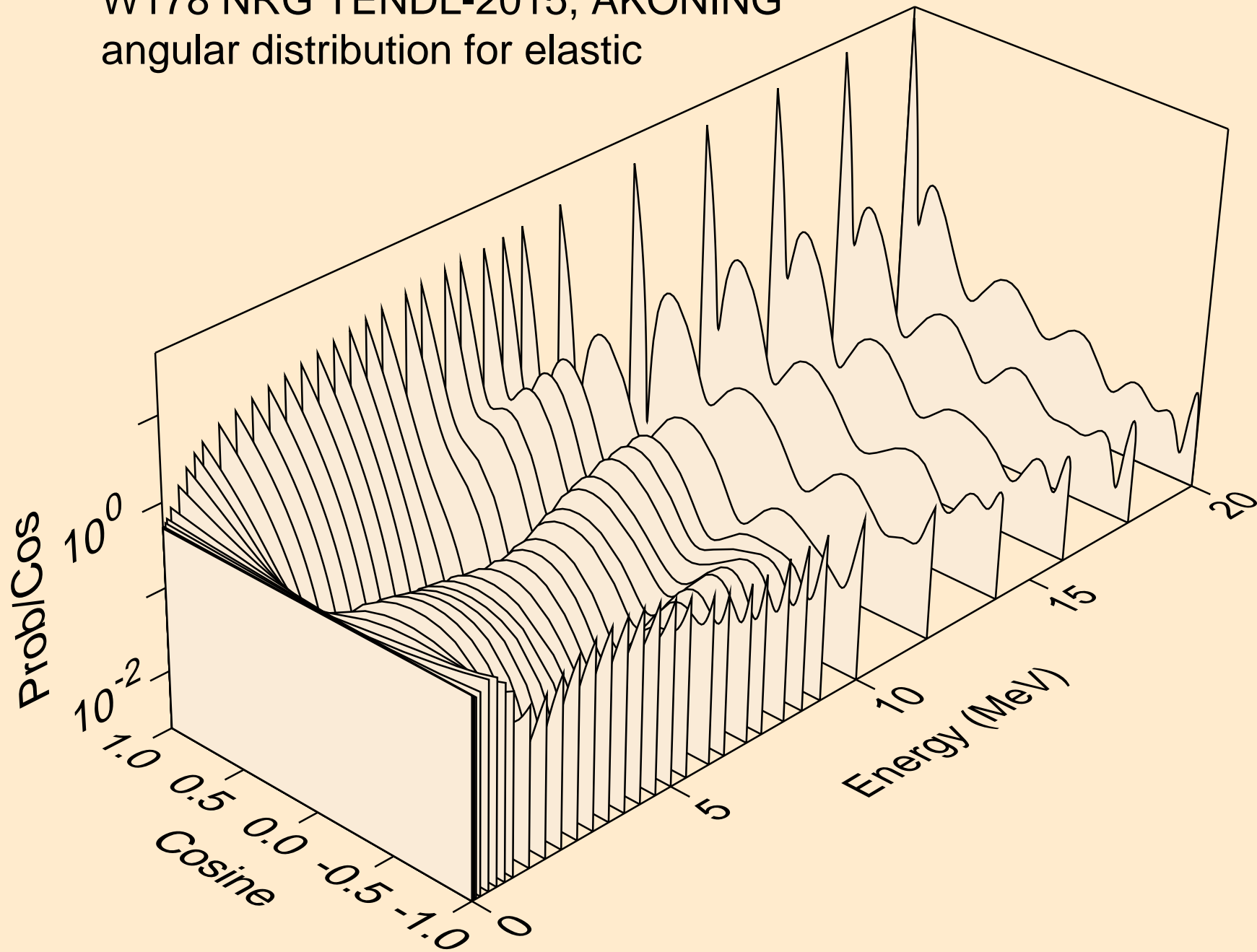


# W178 NRG TENDL-2015, AKONING

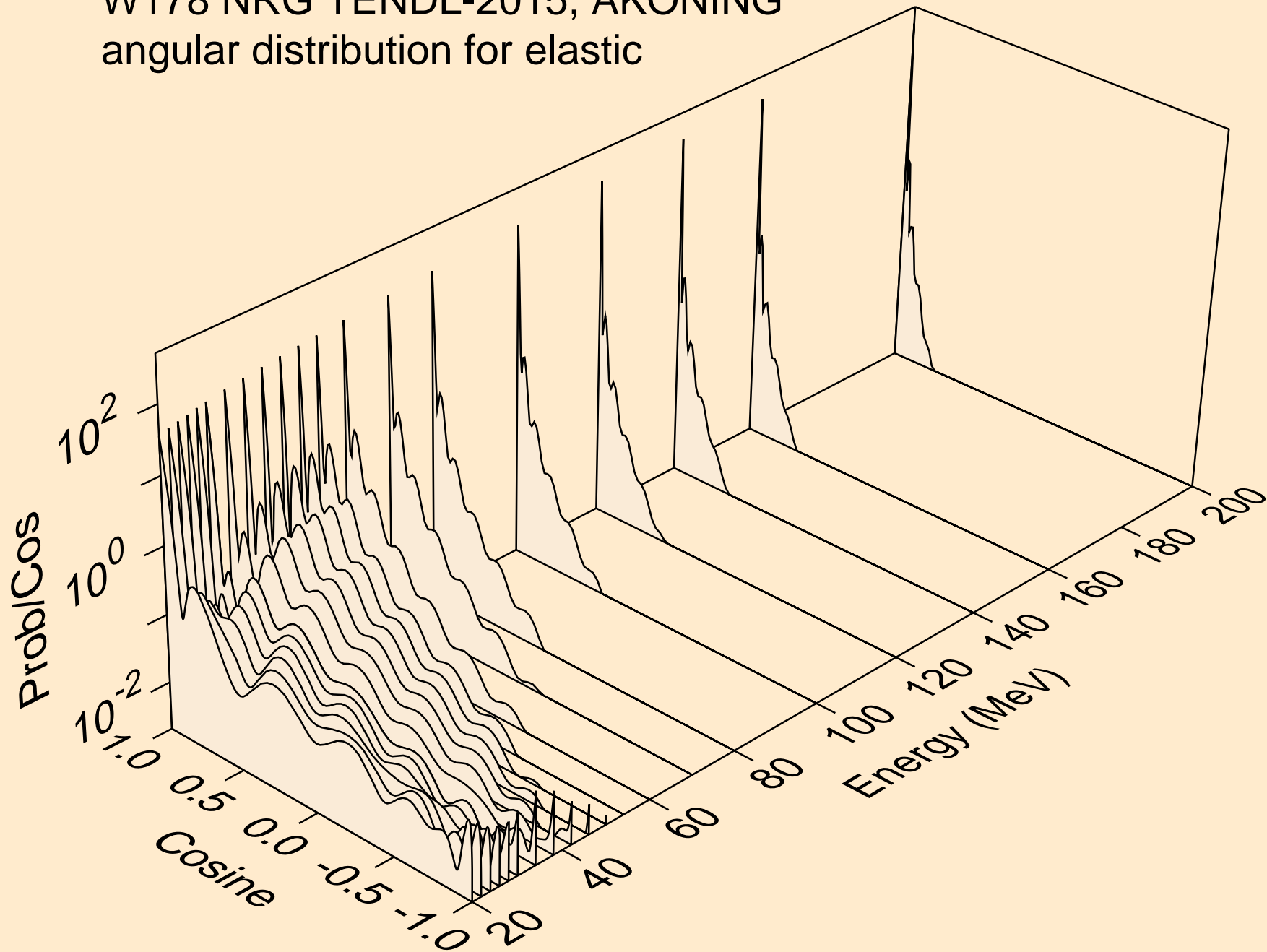
## Threshold reactions



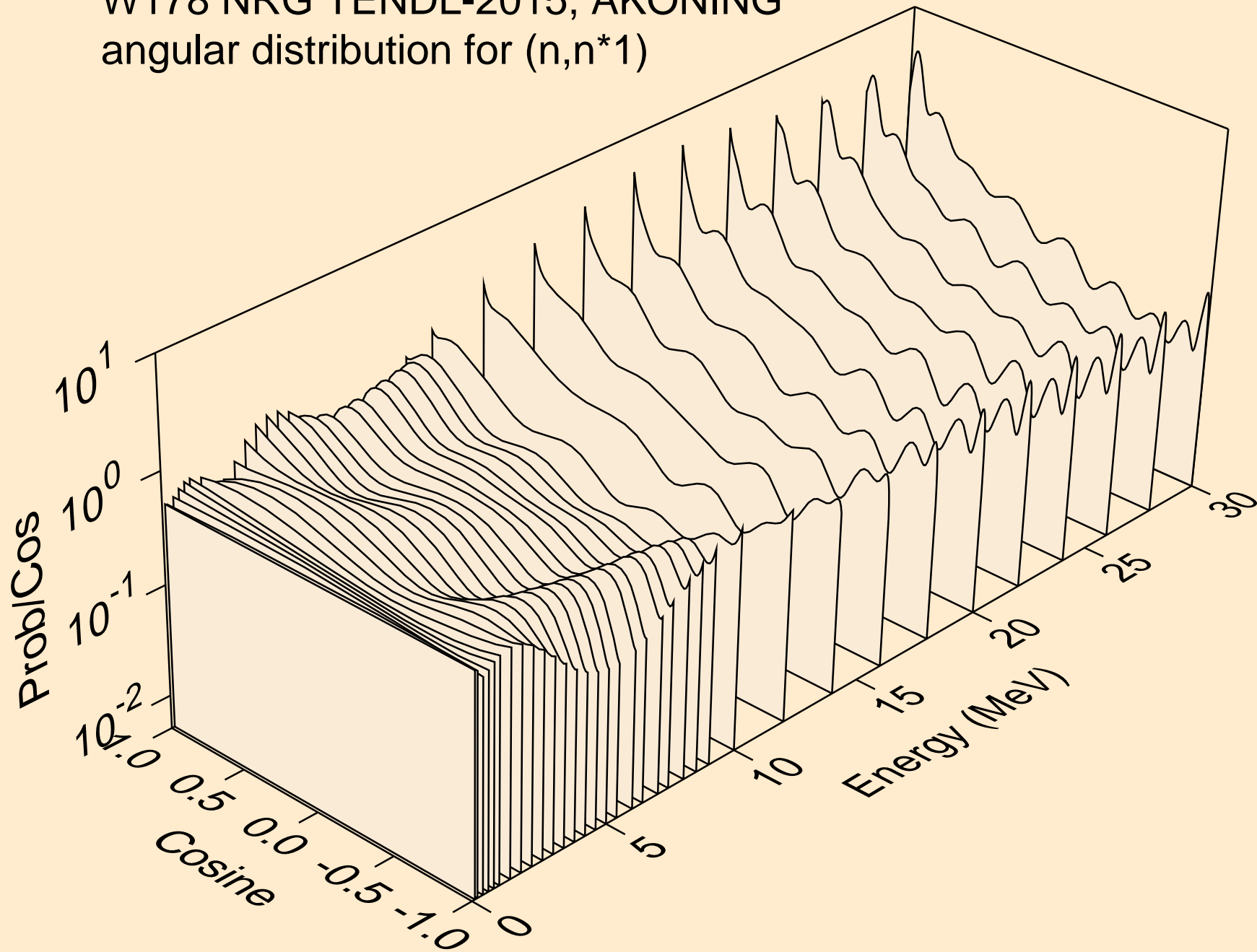
W178 NRG TENDL-2015, AKONING  
angular distribution for elastic



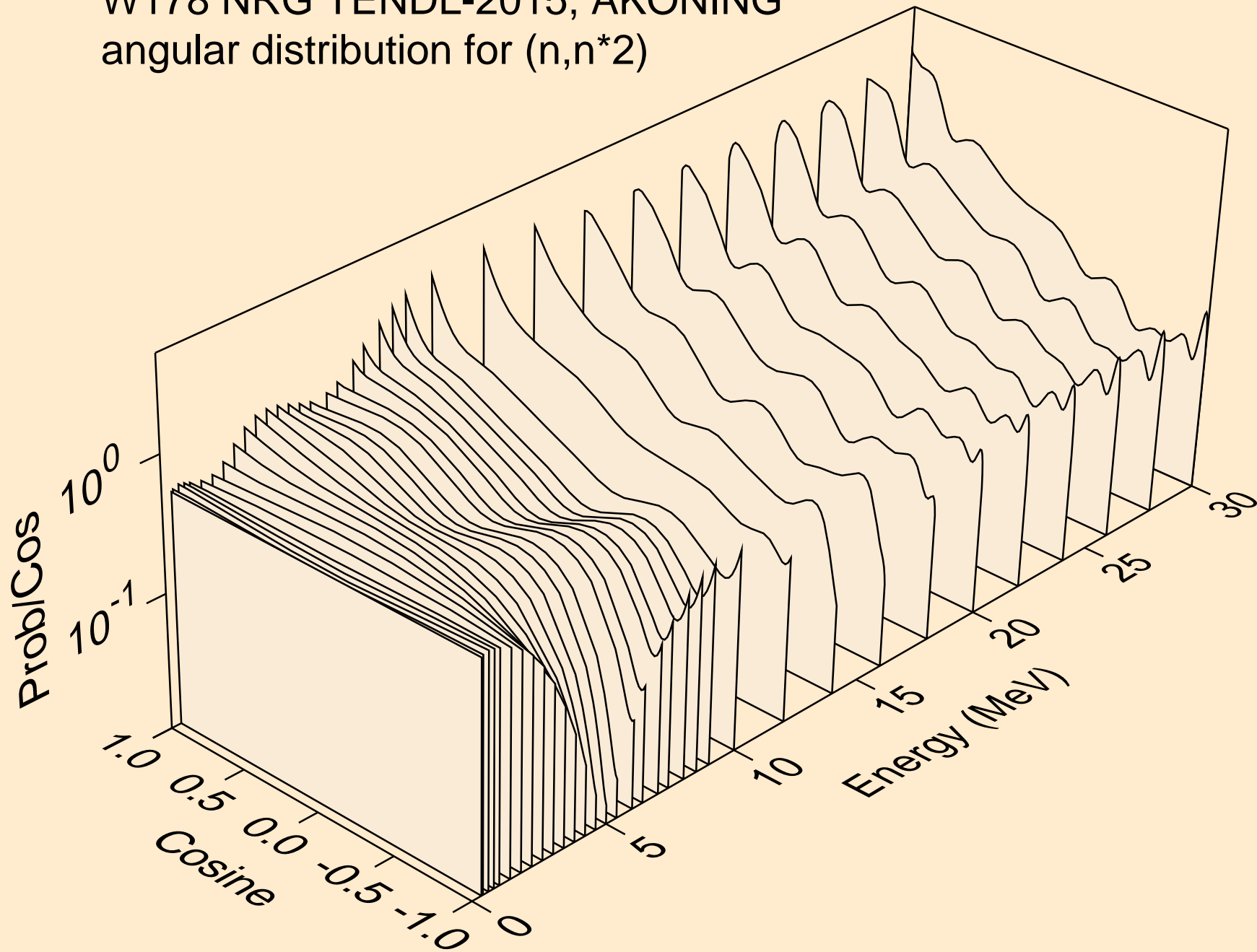
W178 NRG TENDL-2015, AKONING  
angular distribution for elastic



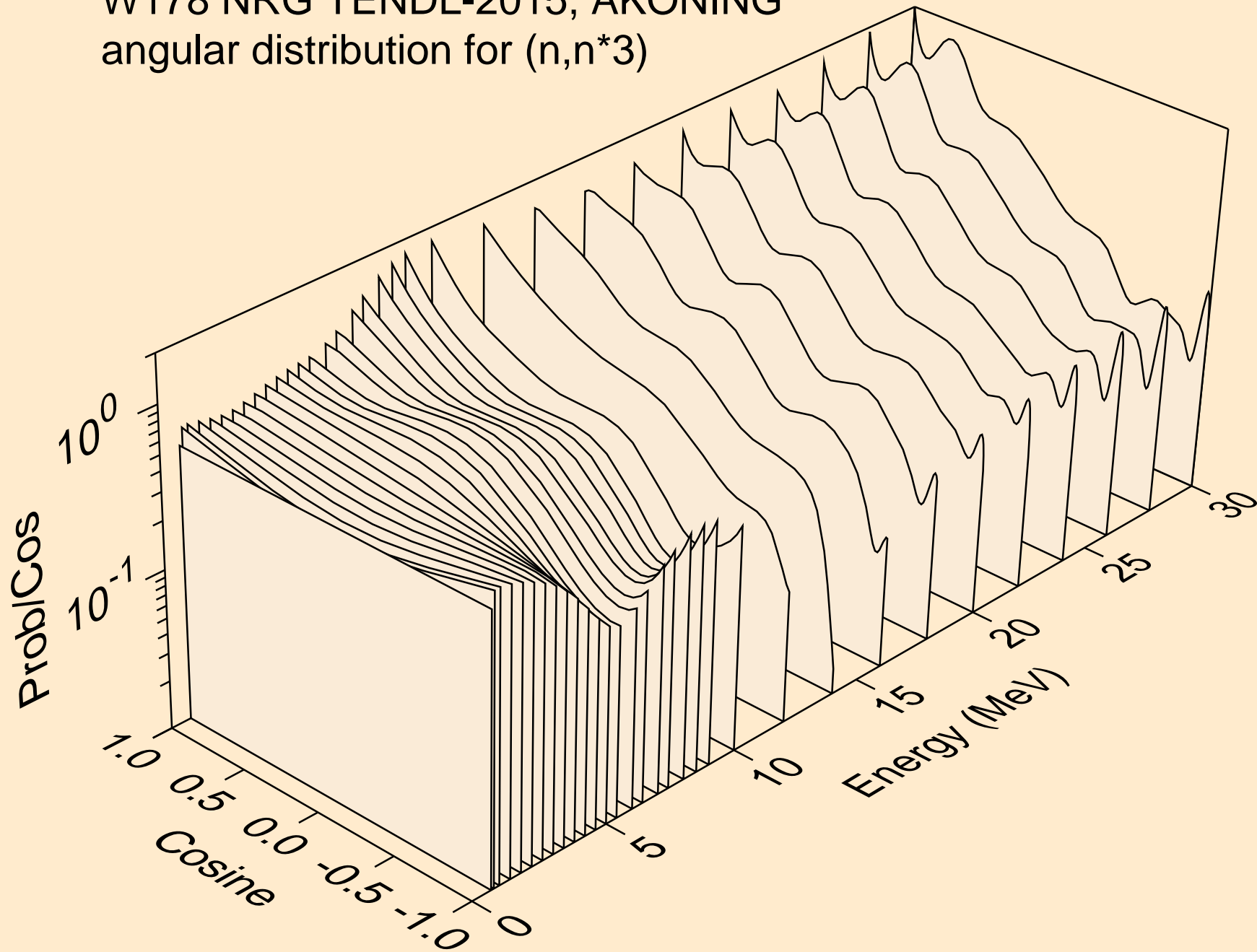
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



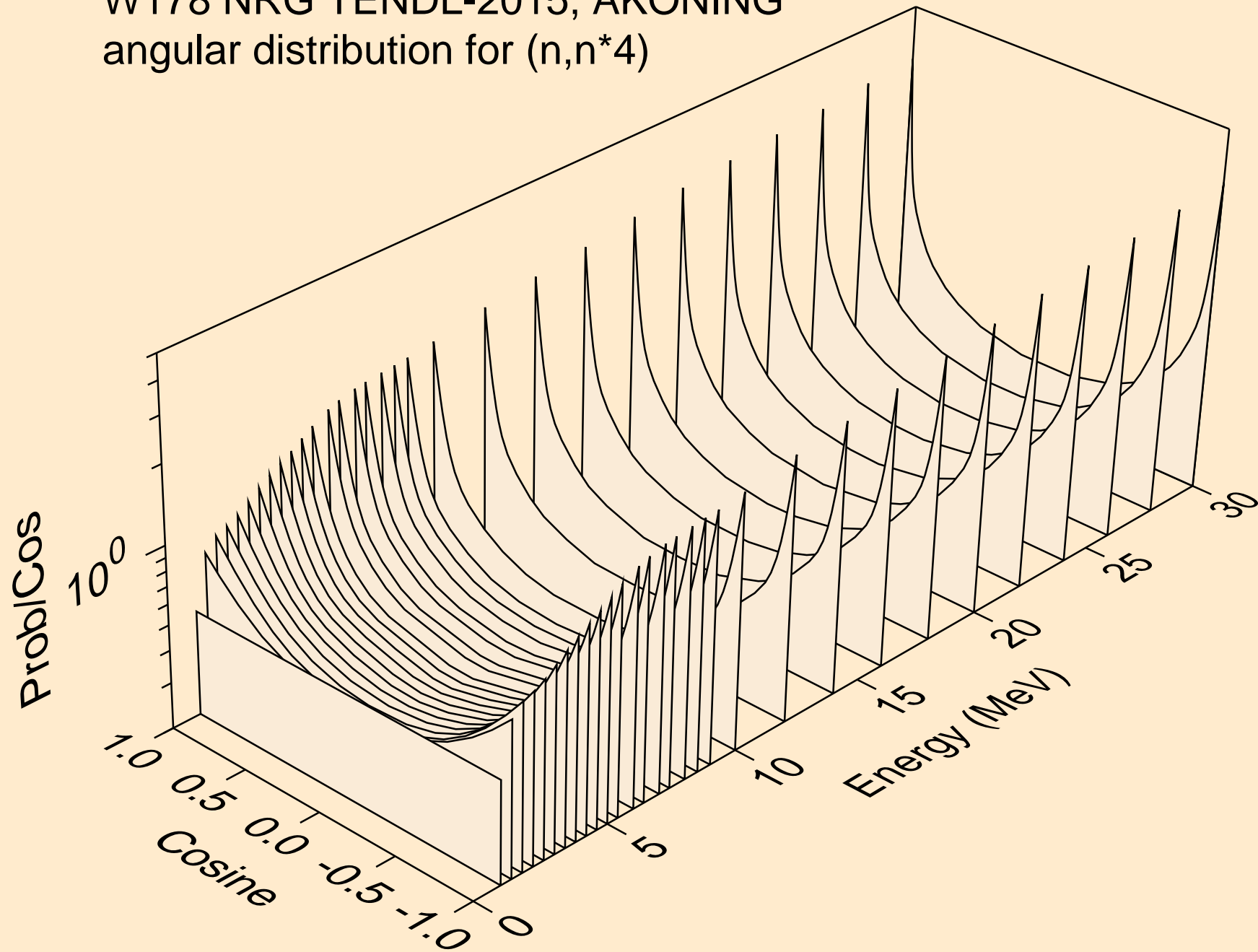
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)

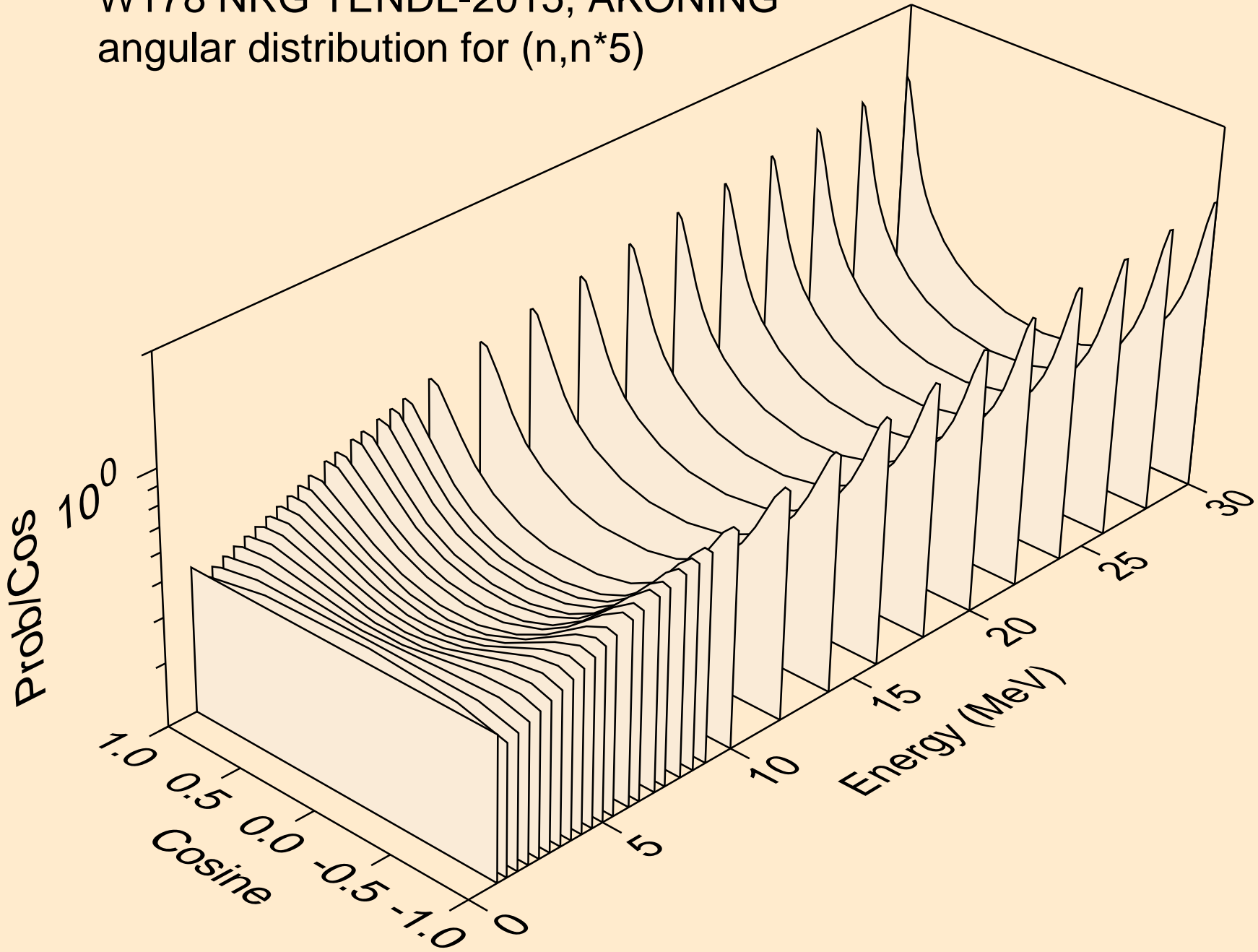


W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)

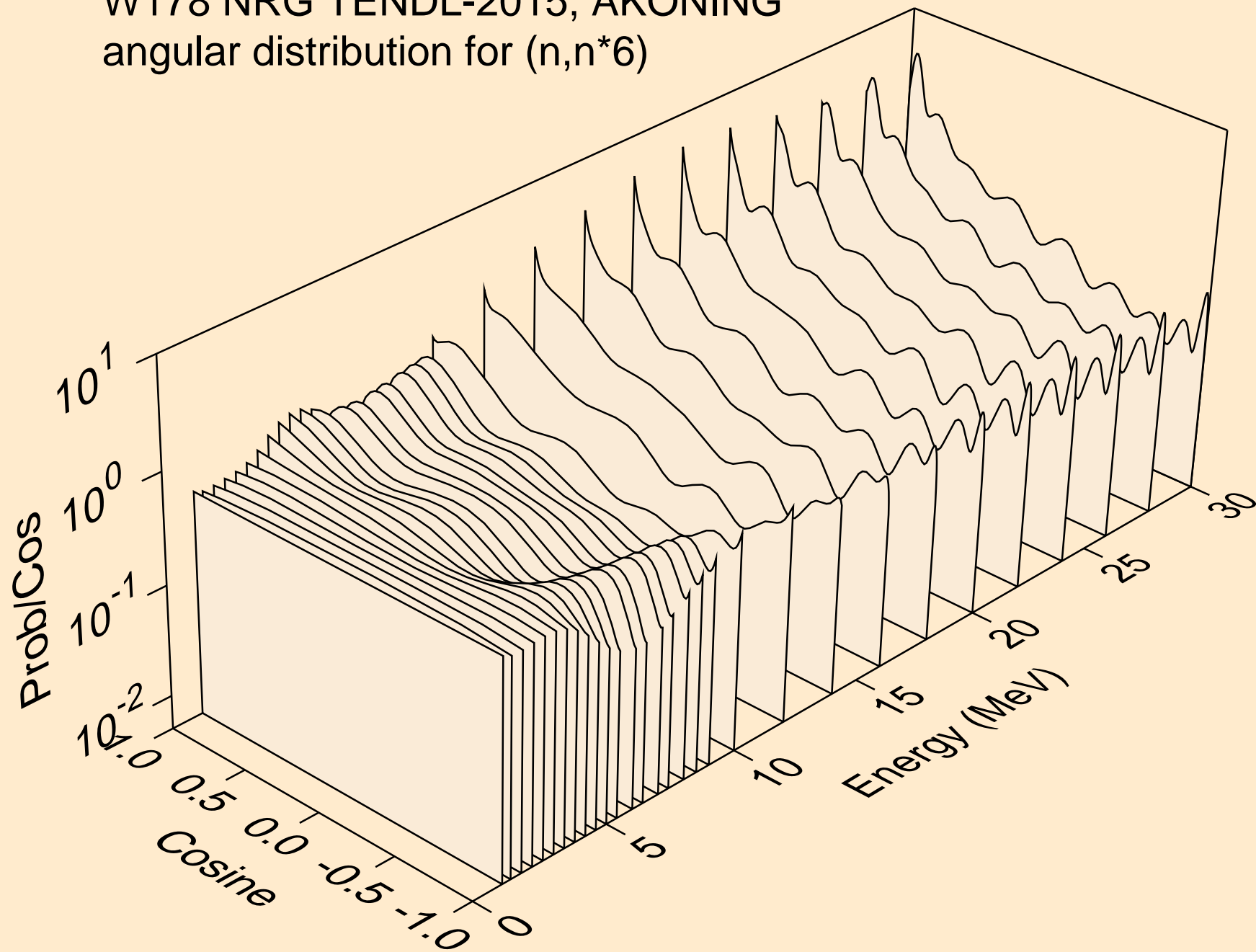




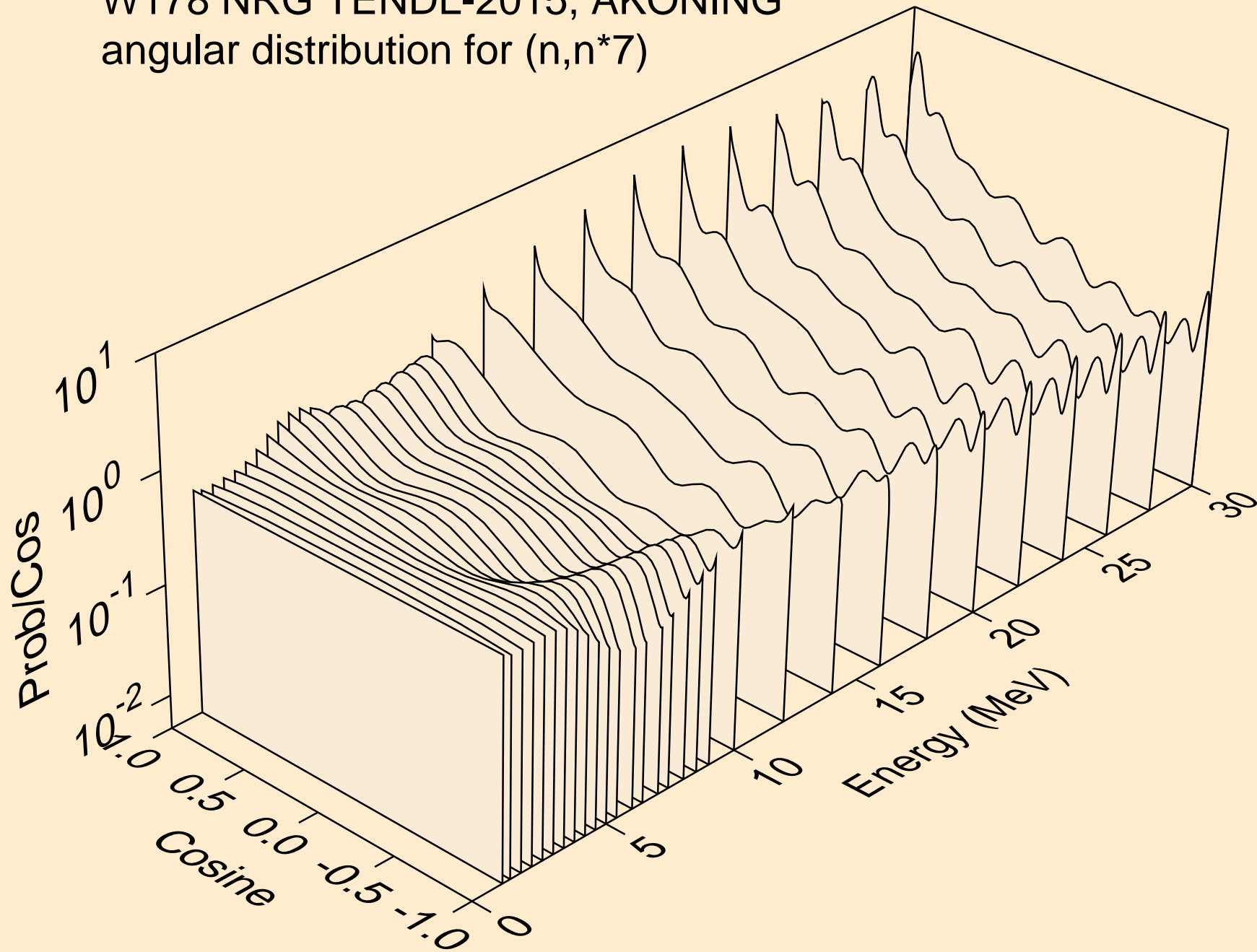
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



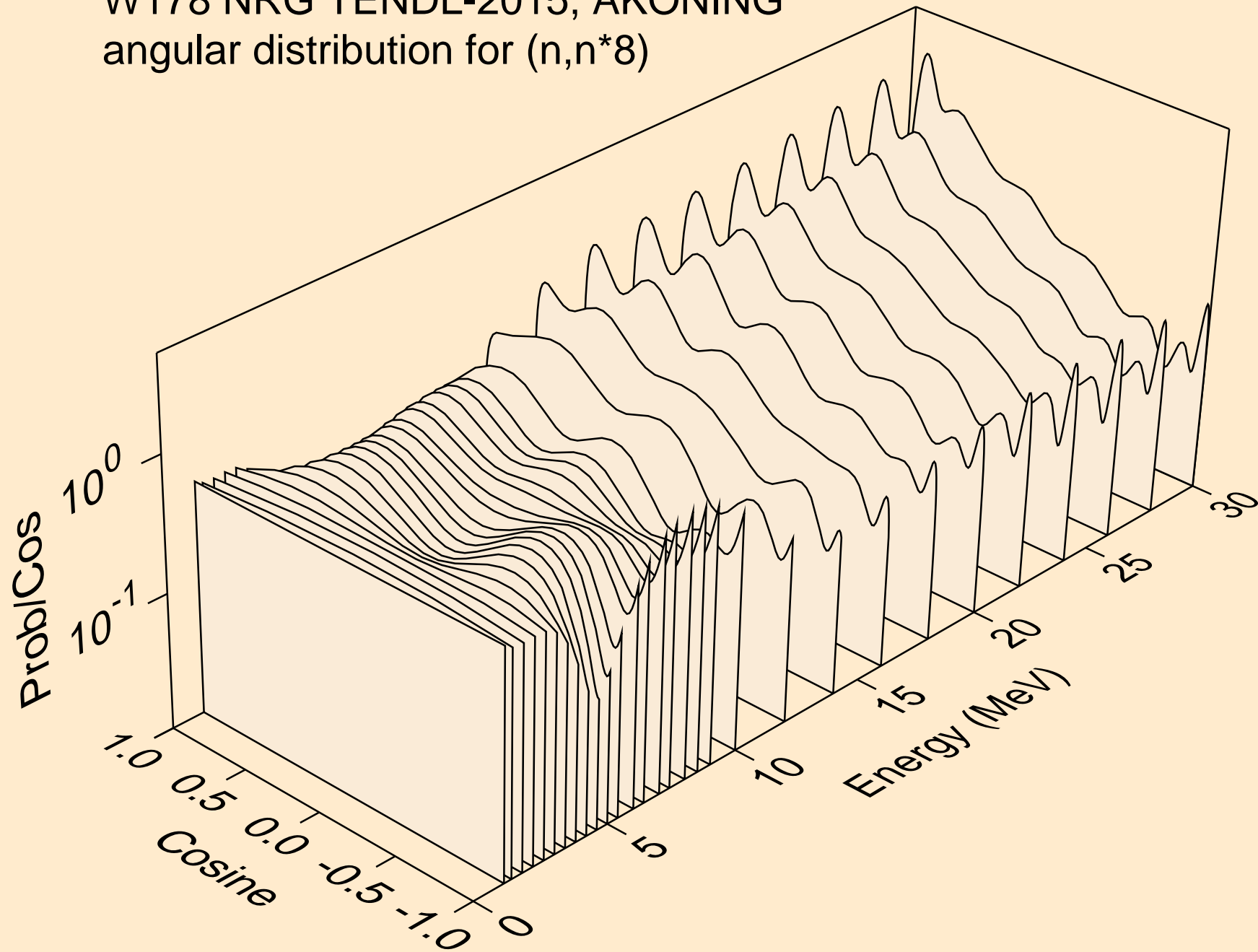
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



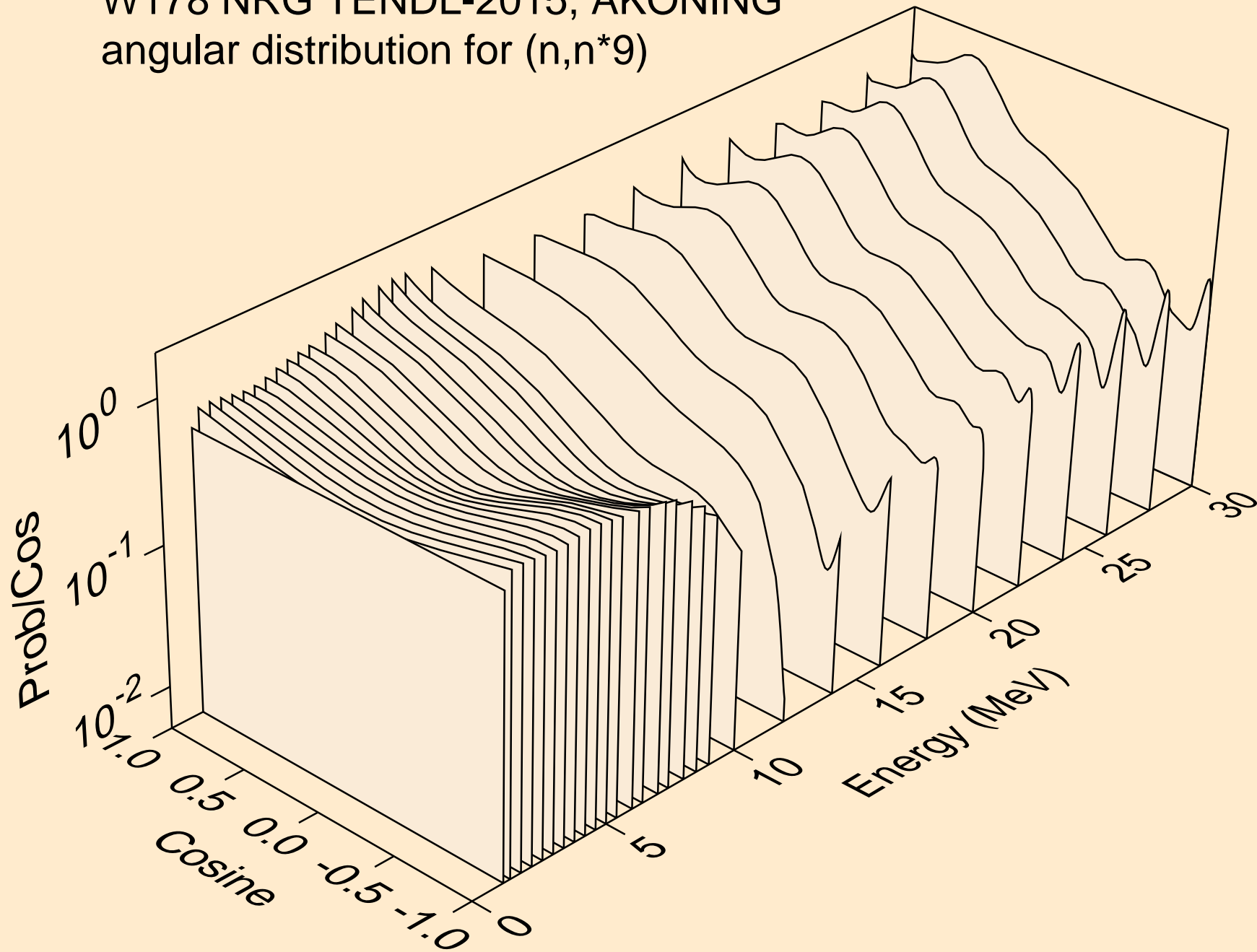
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



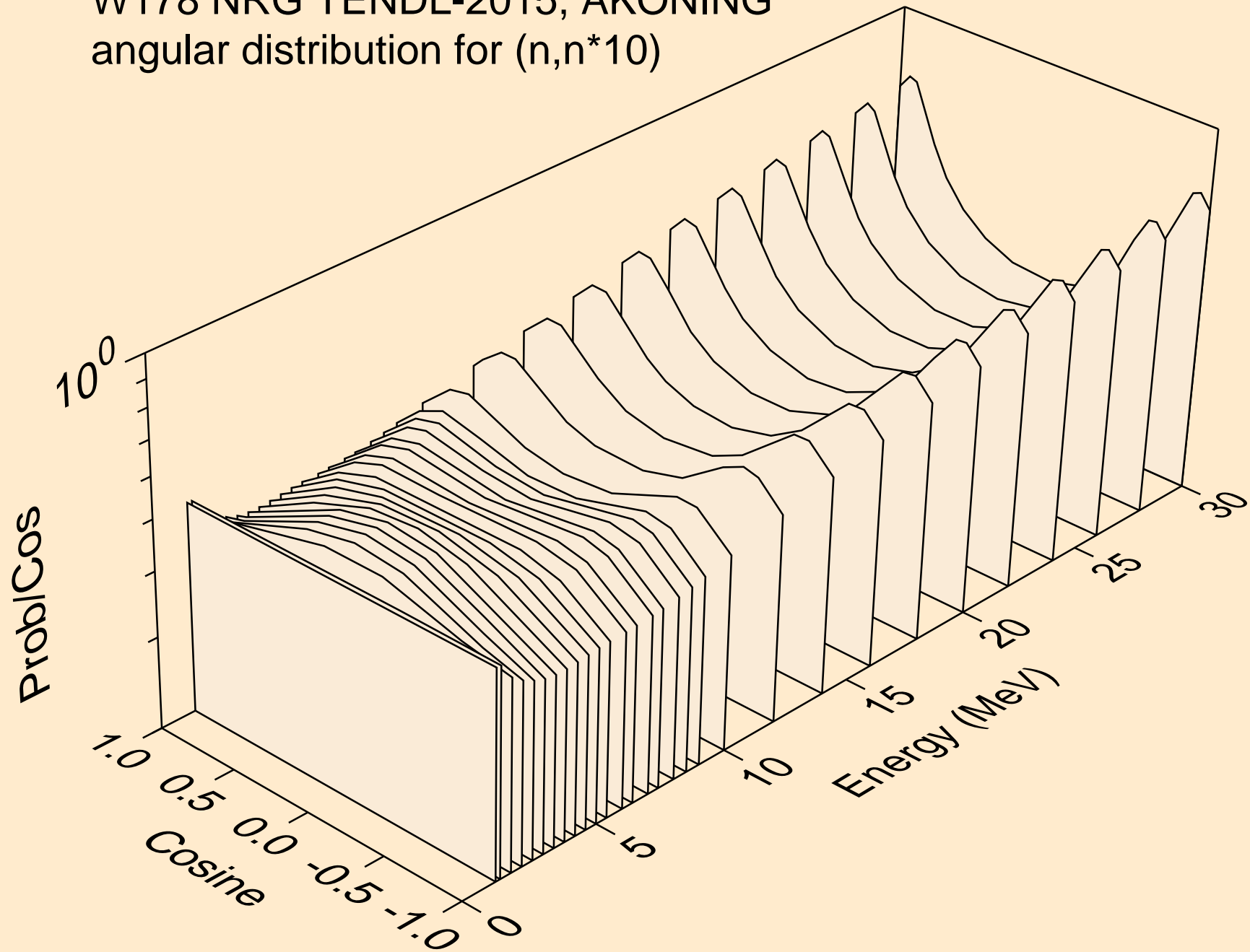
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



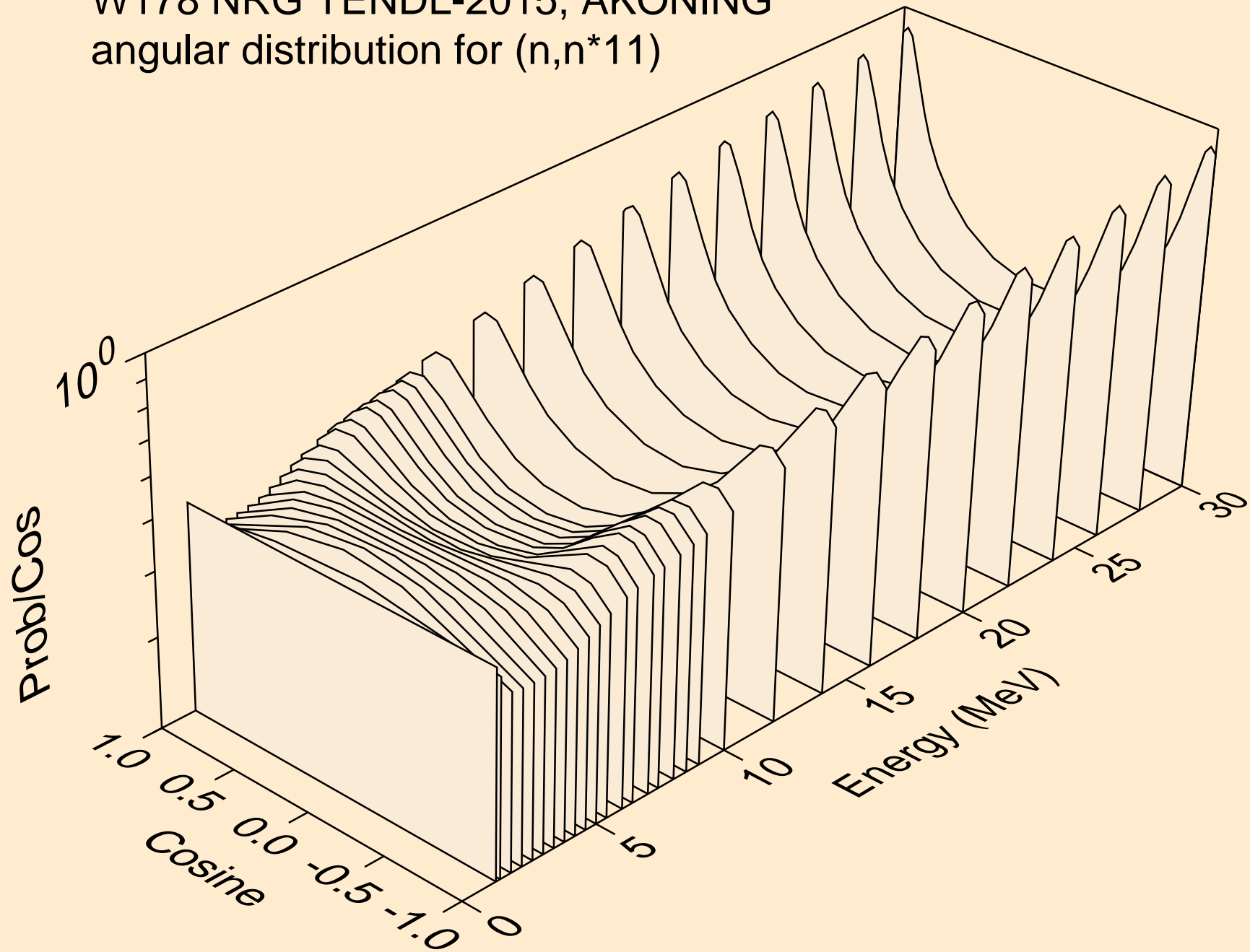
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



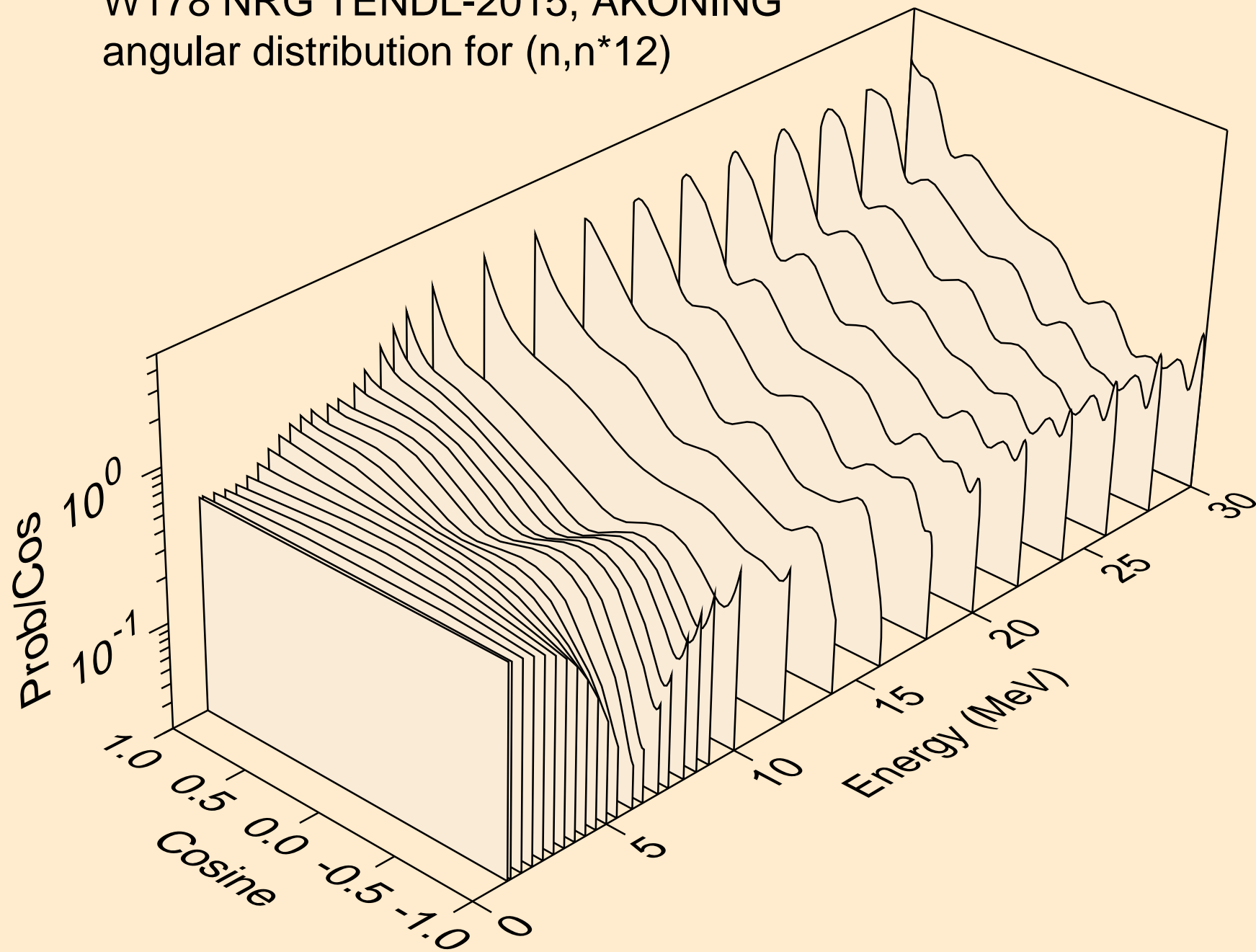
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)

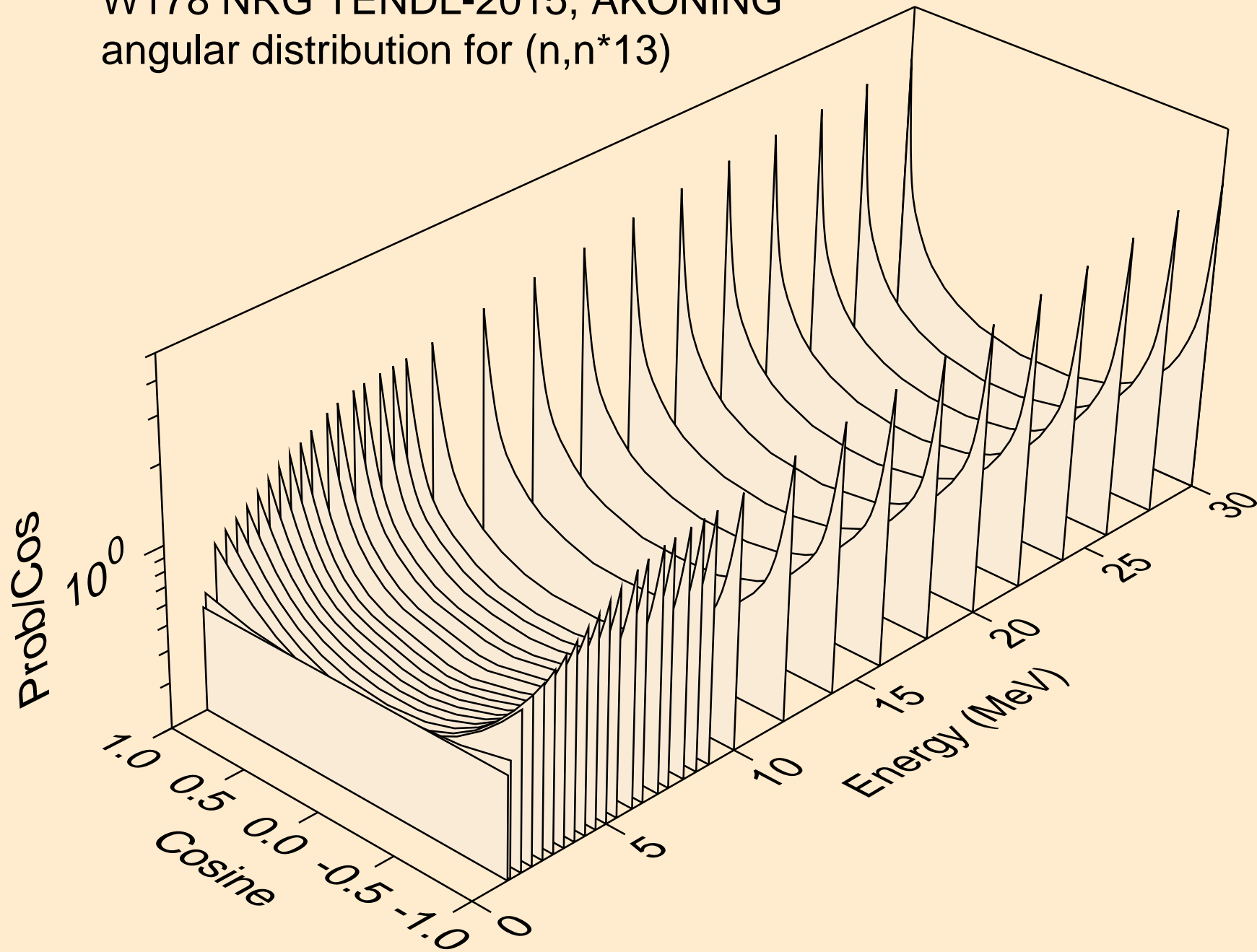


W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)

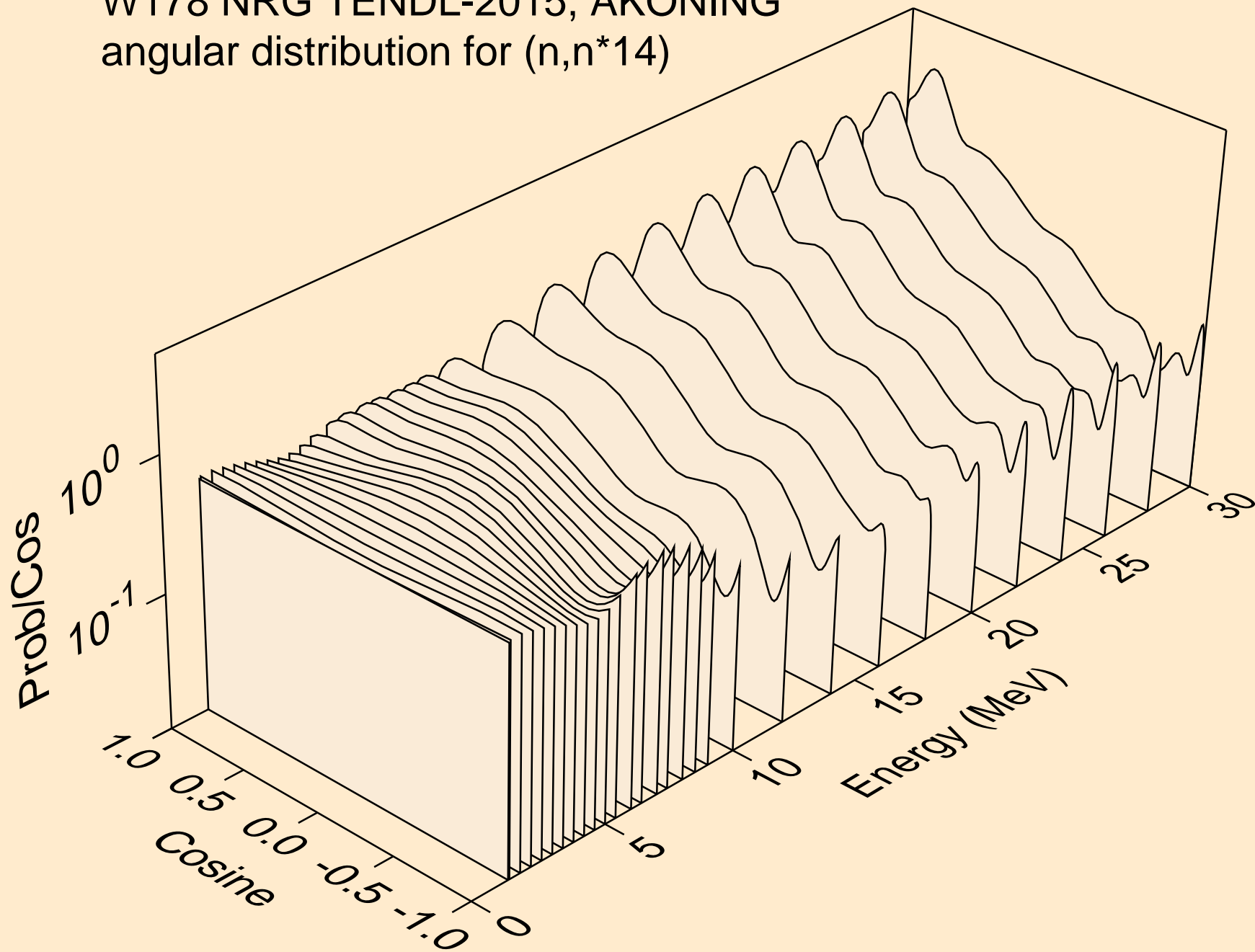




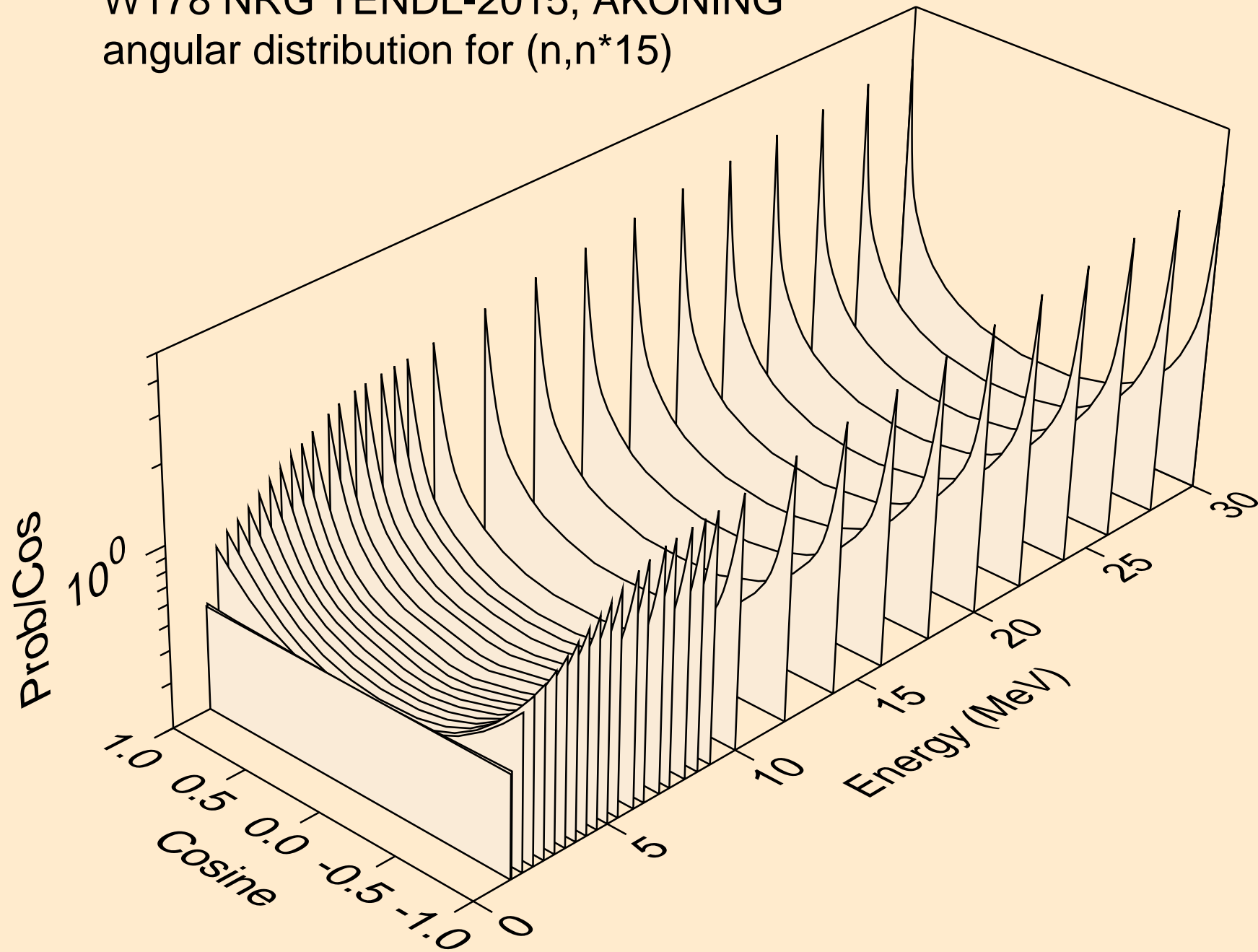
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



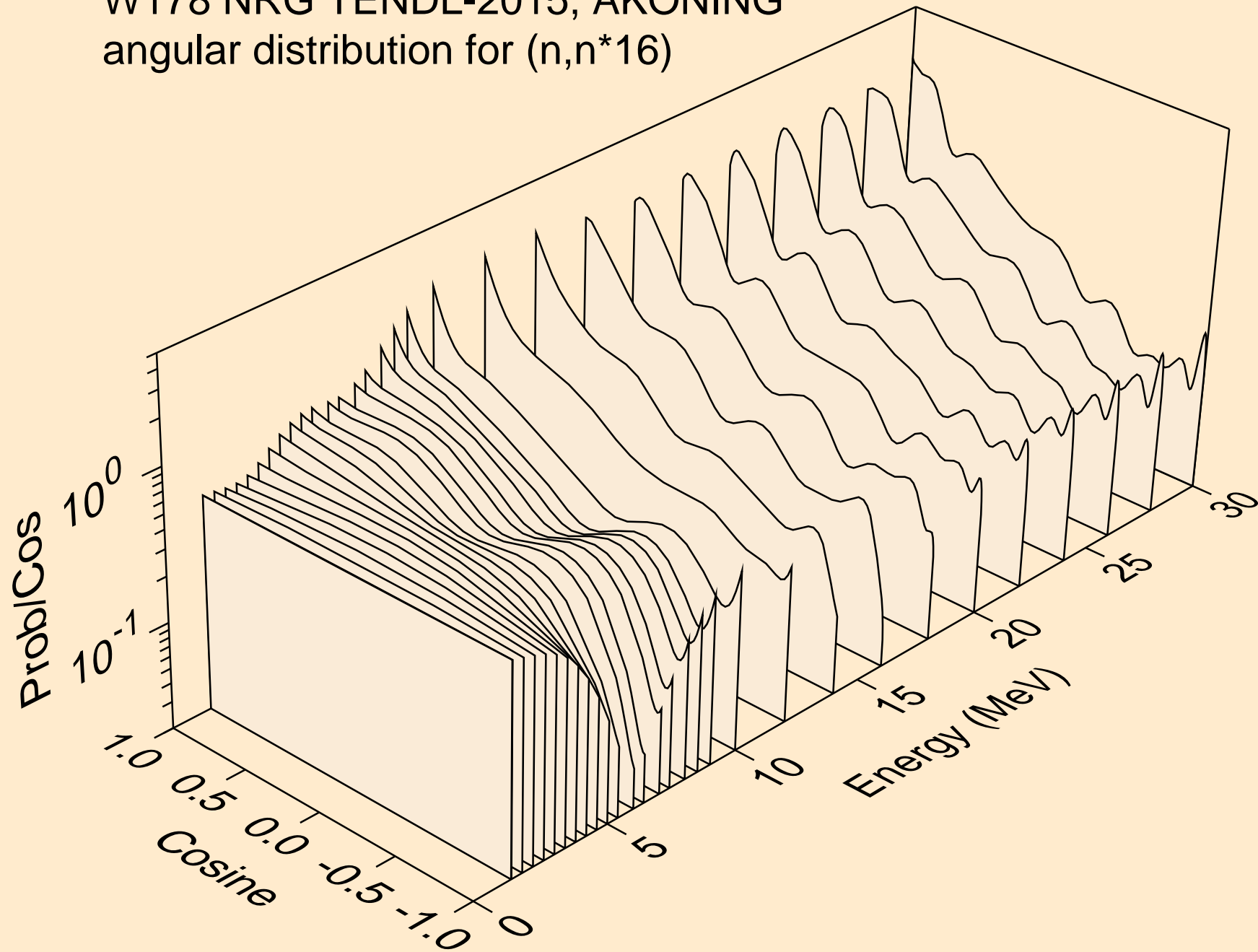
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



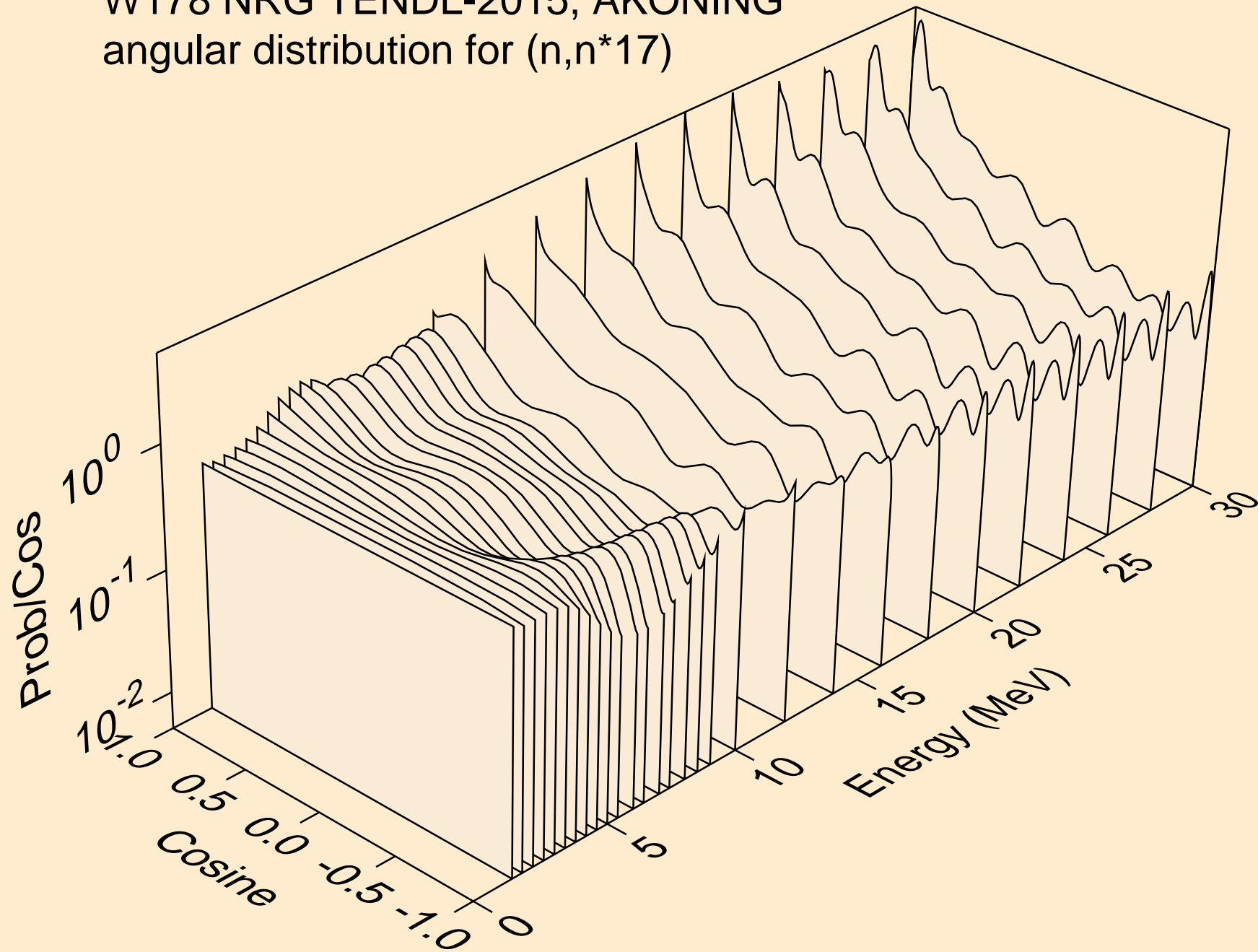
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



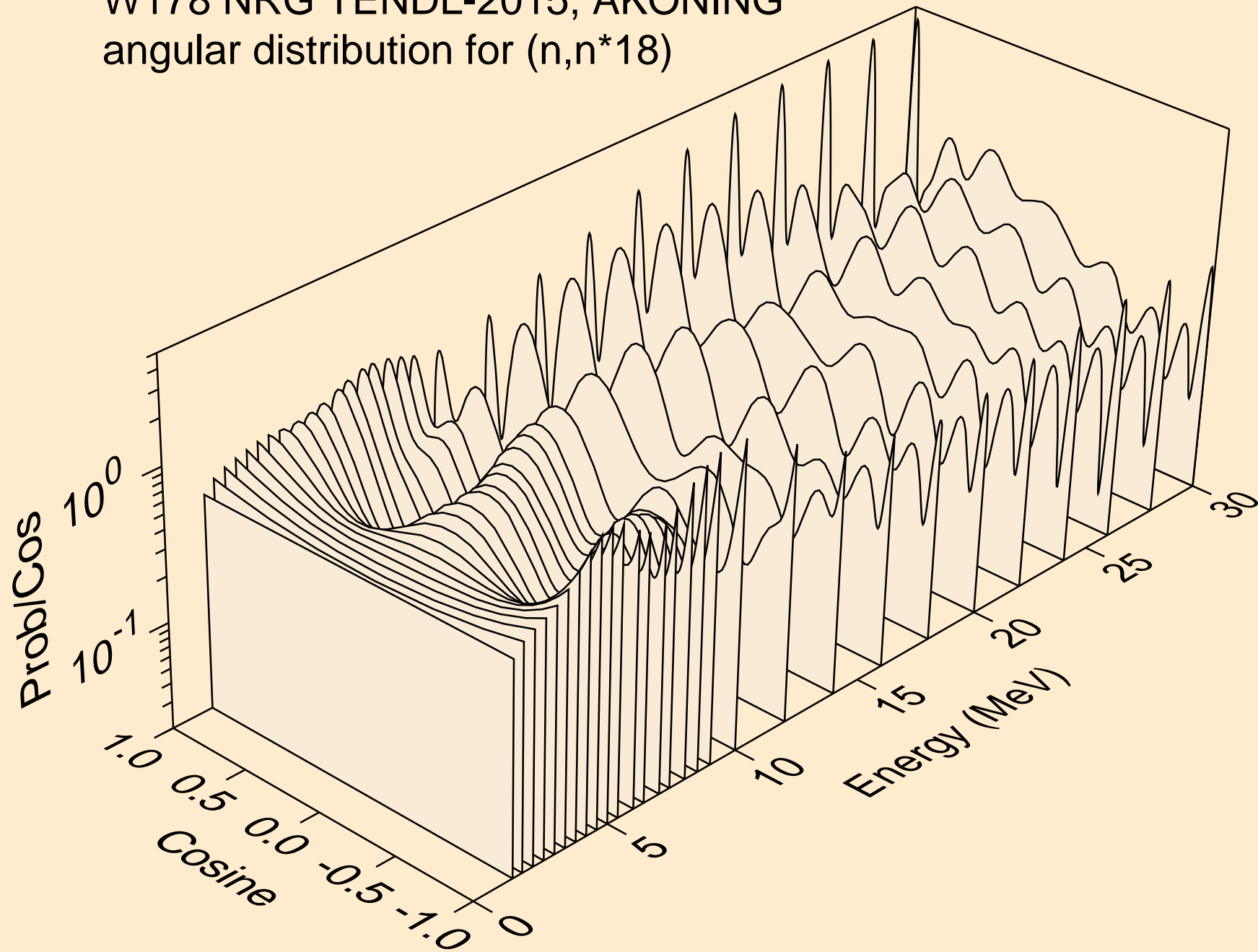
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



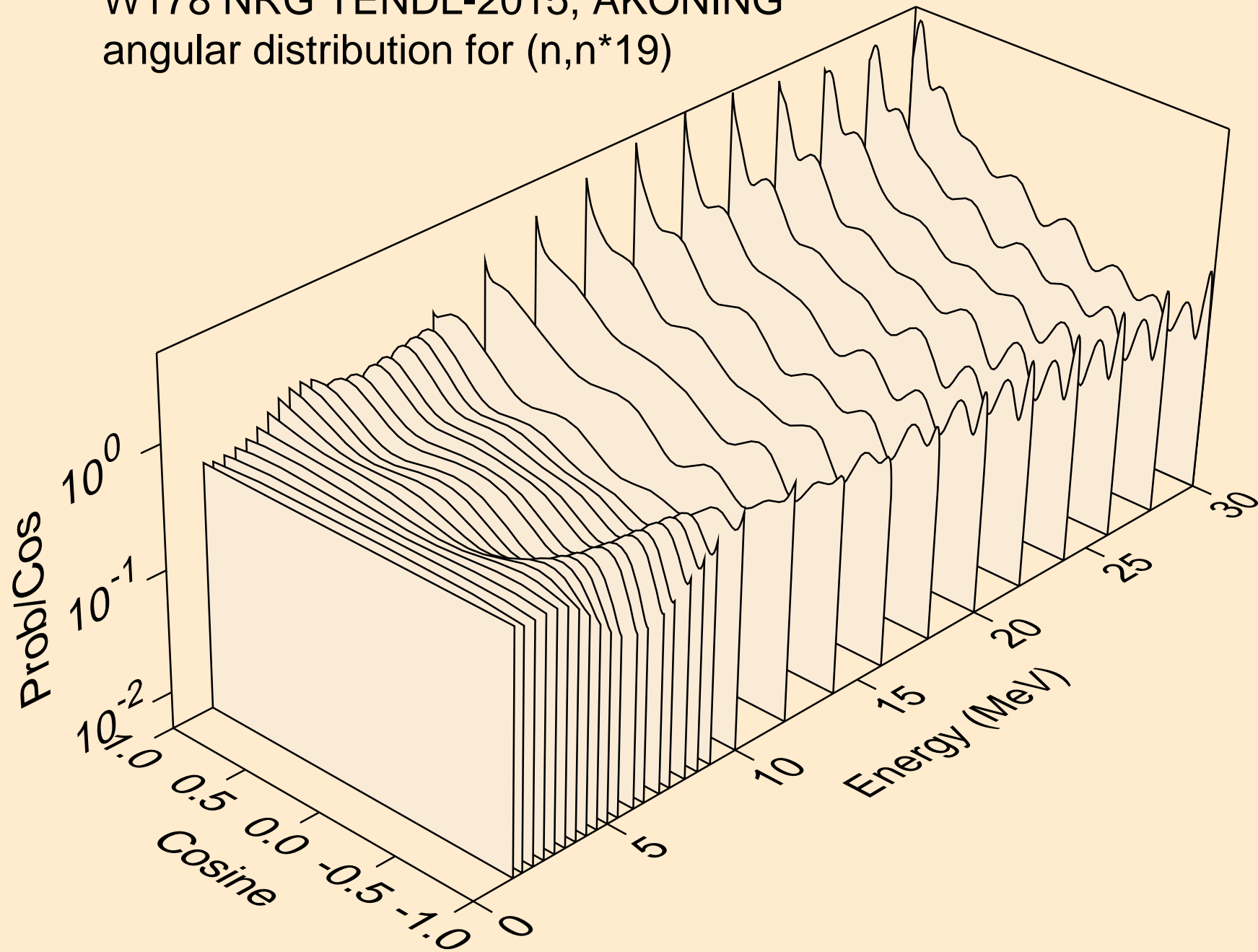
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



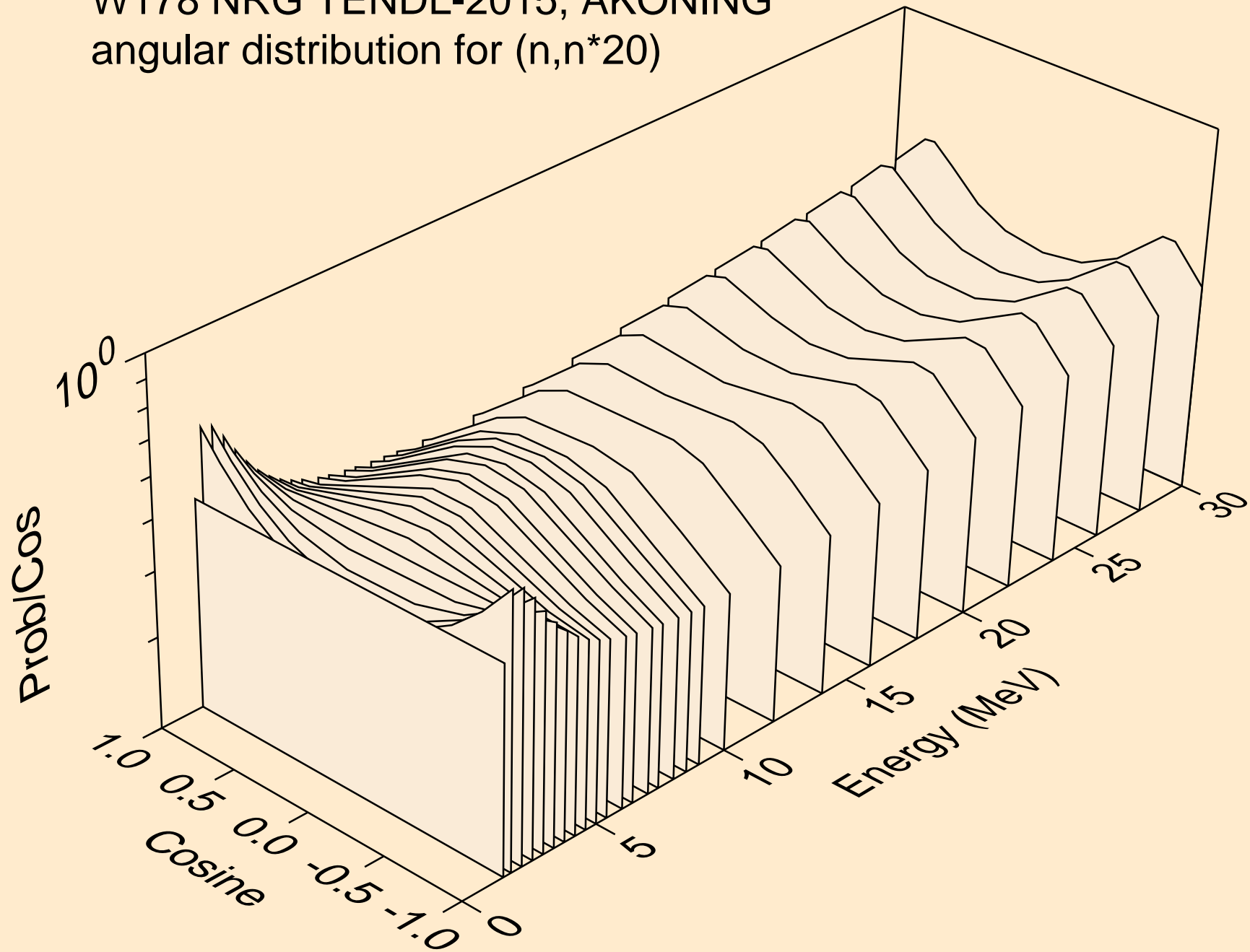
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)

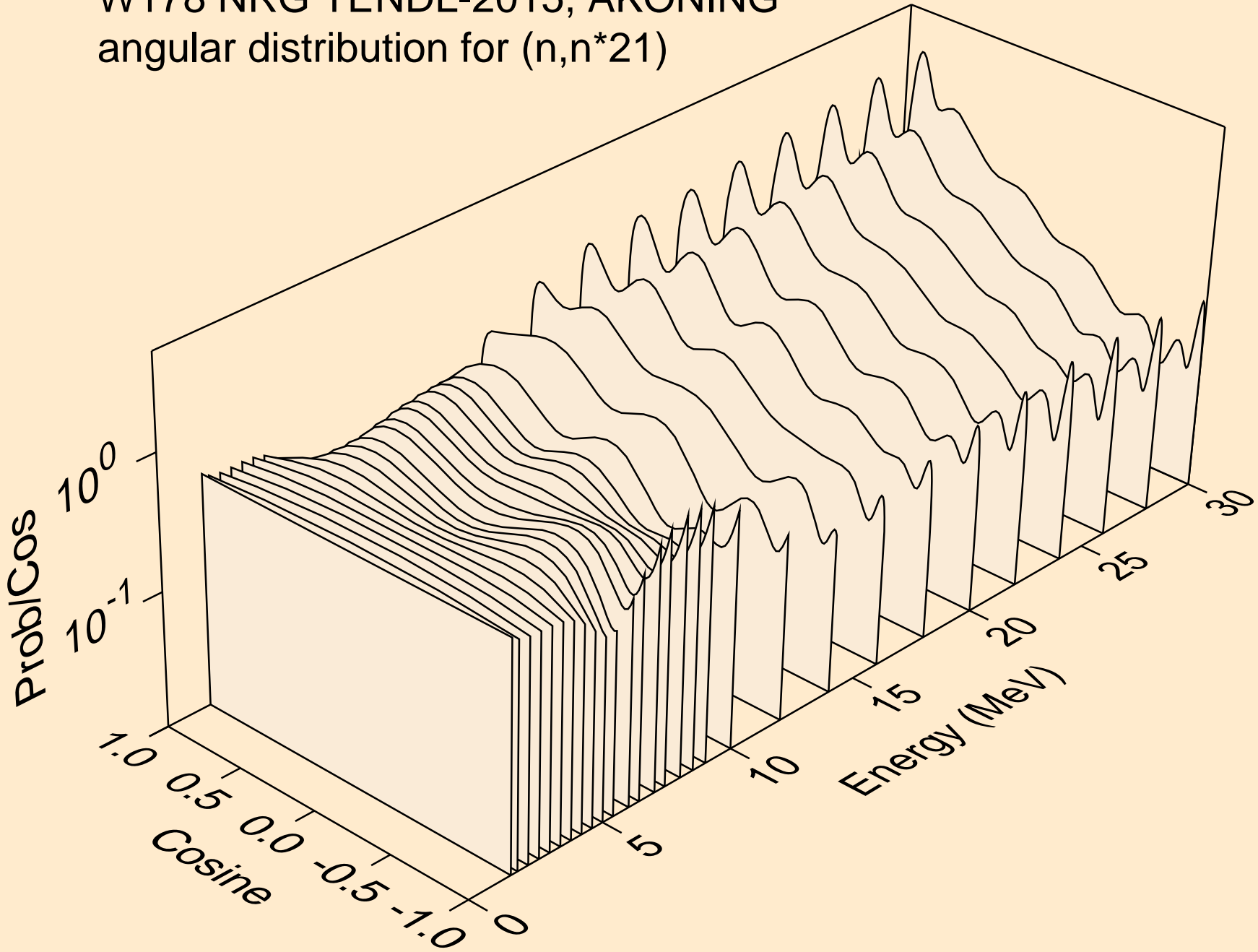


W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)

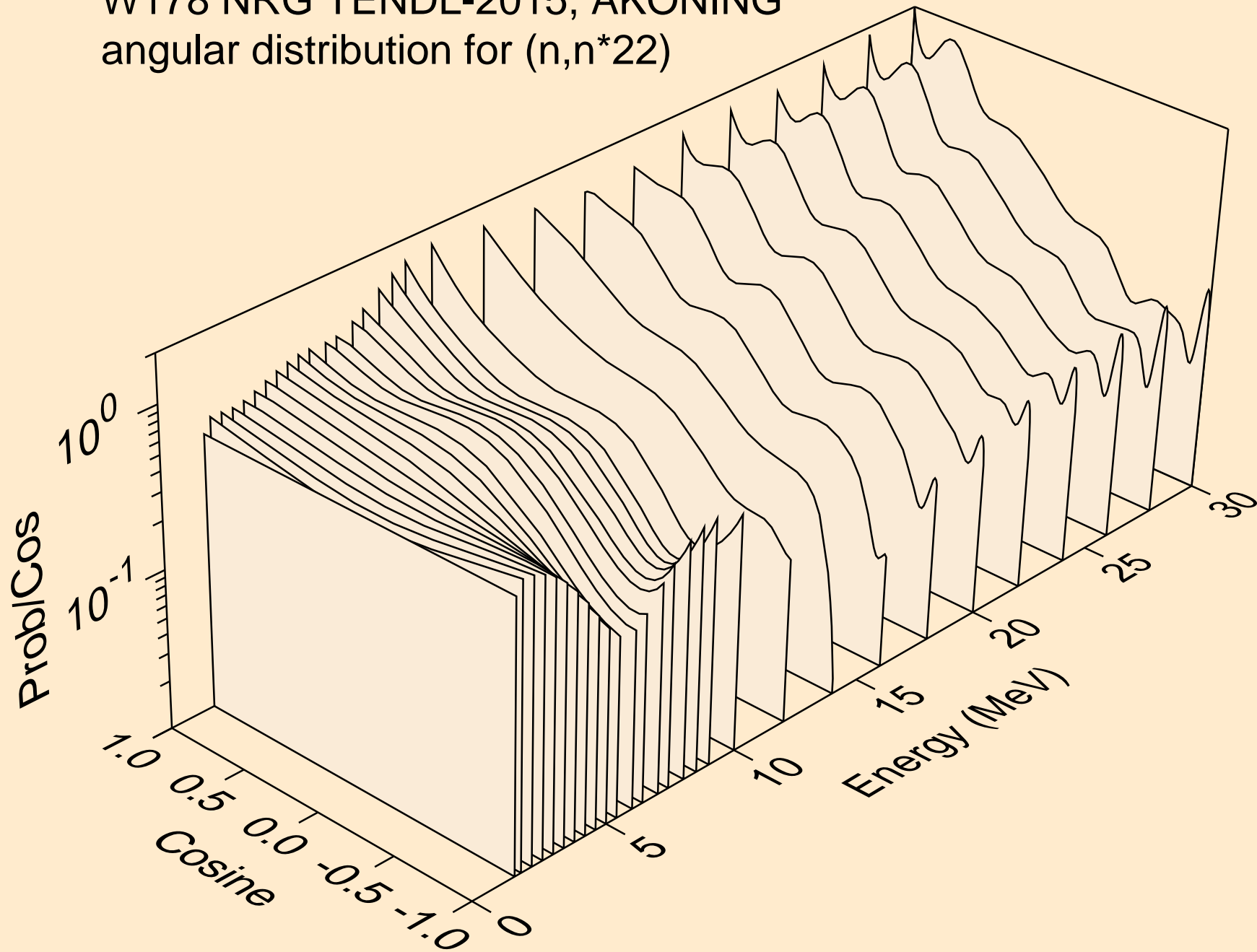




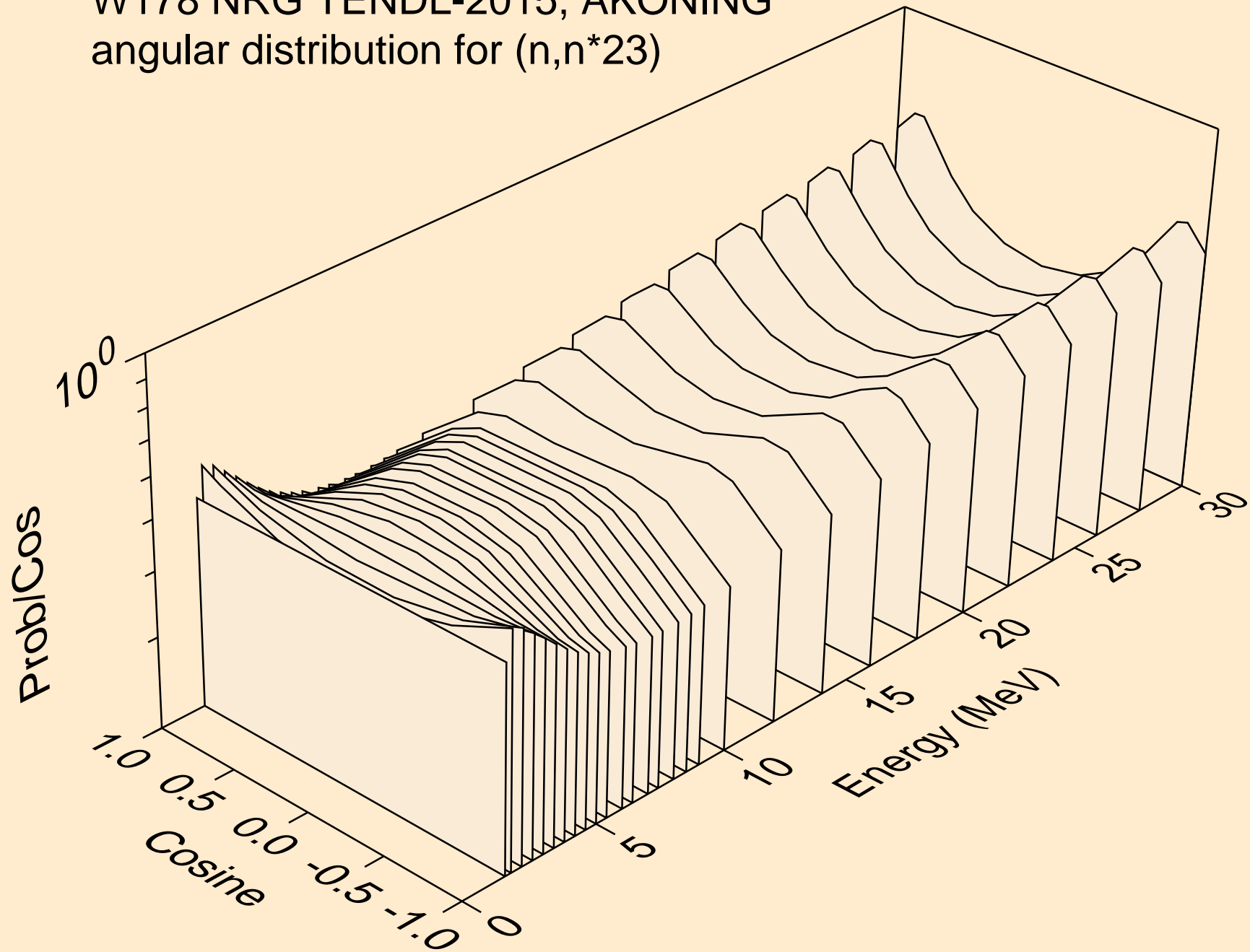
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



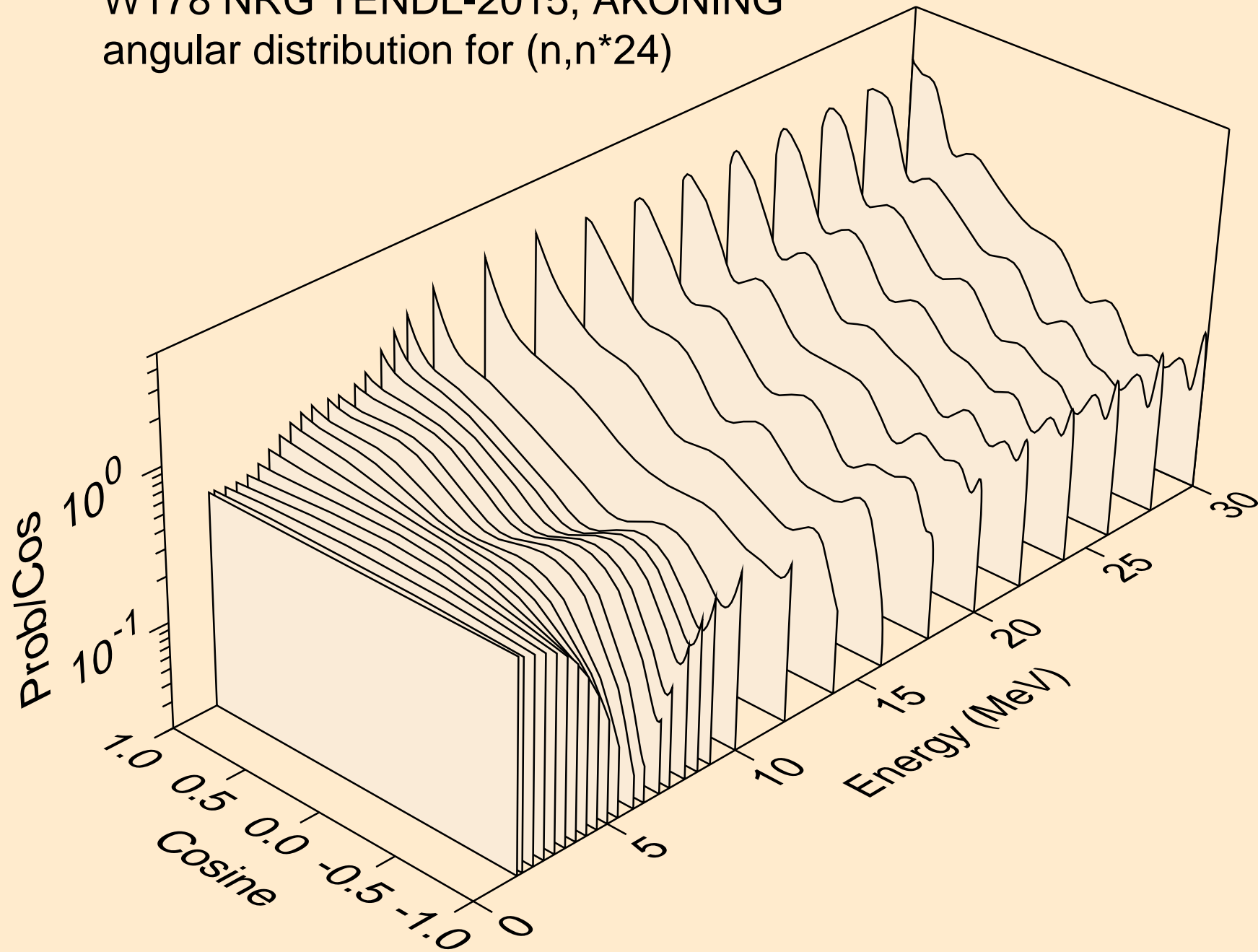
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



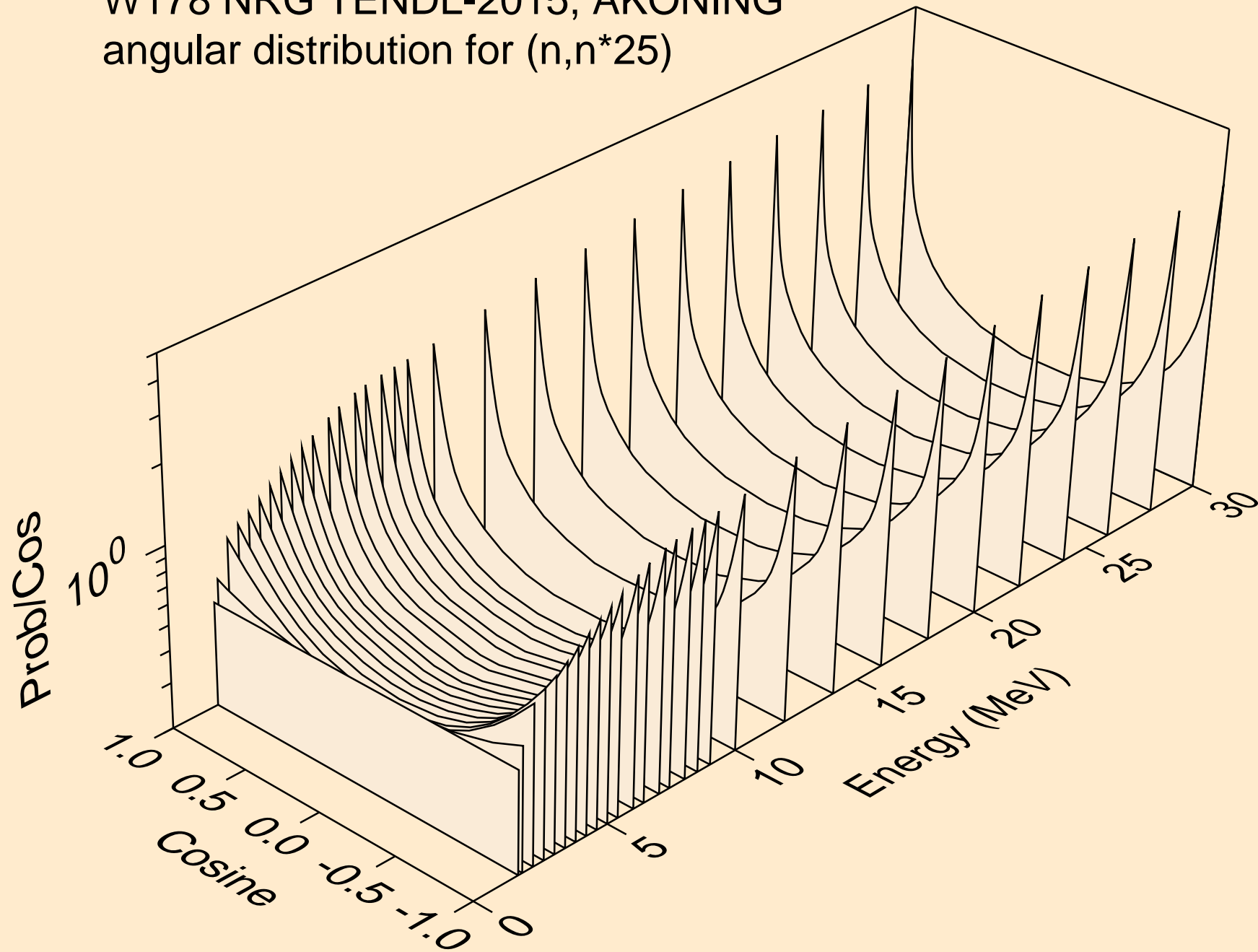
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



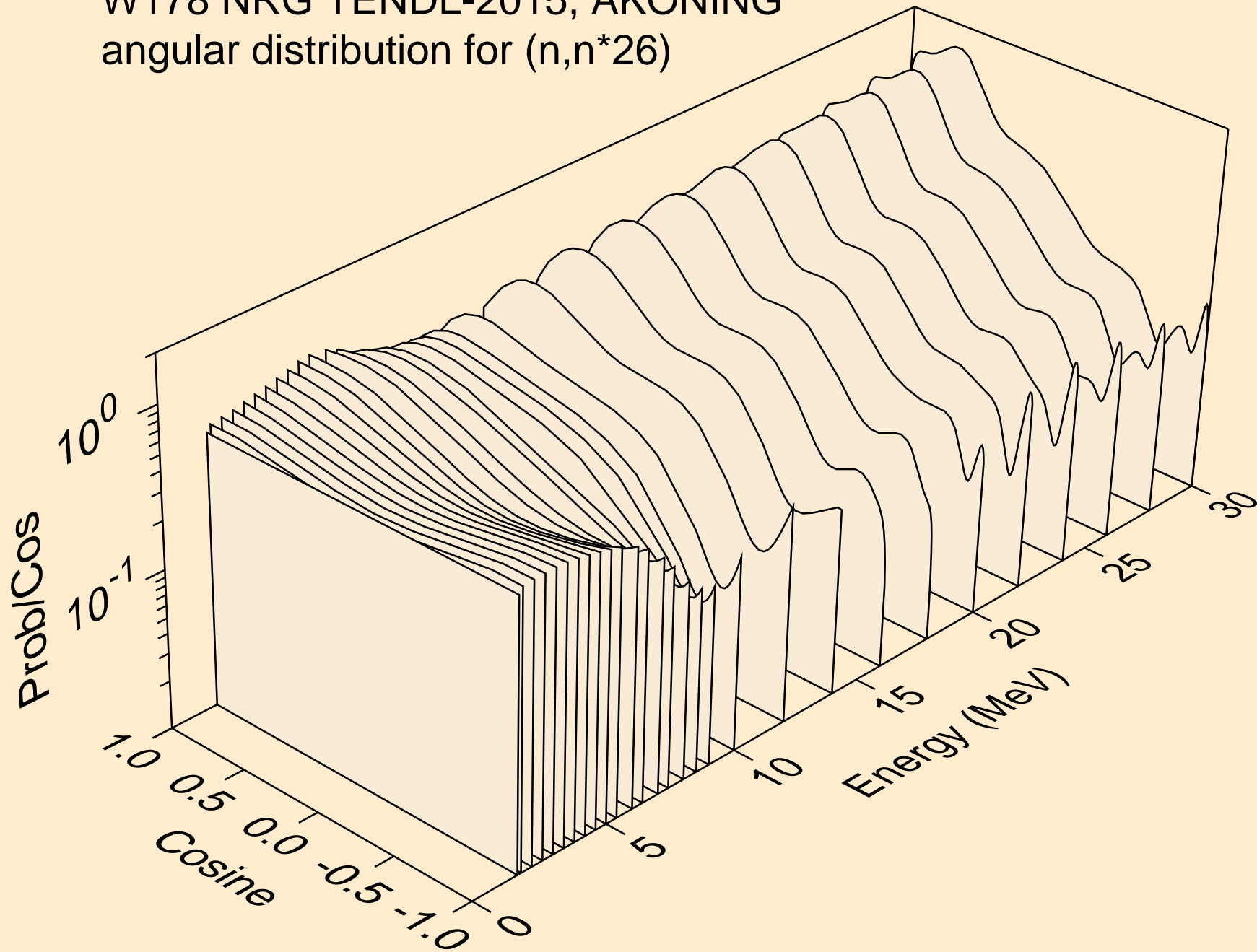
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



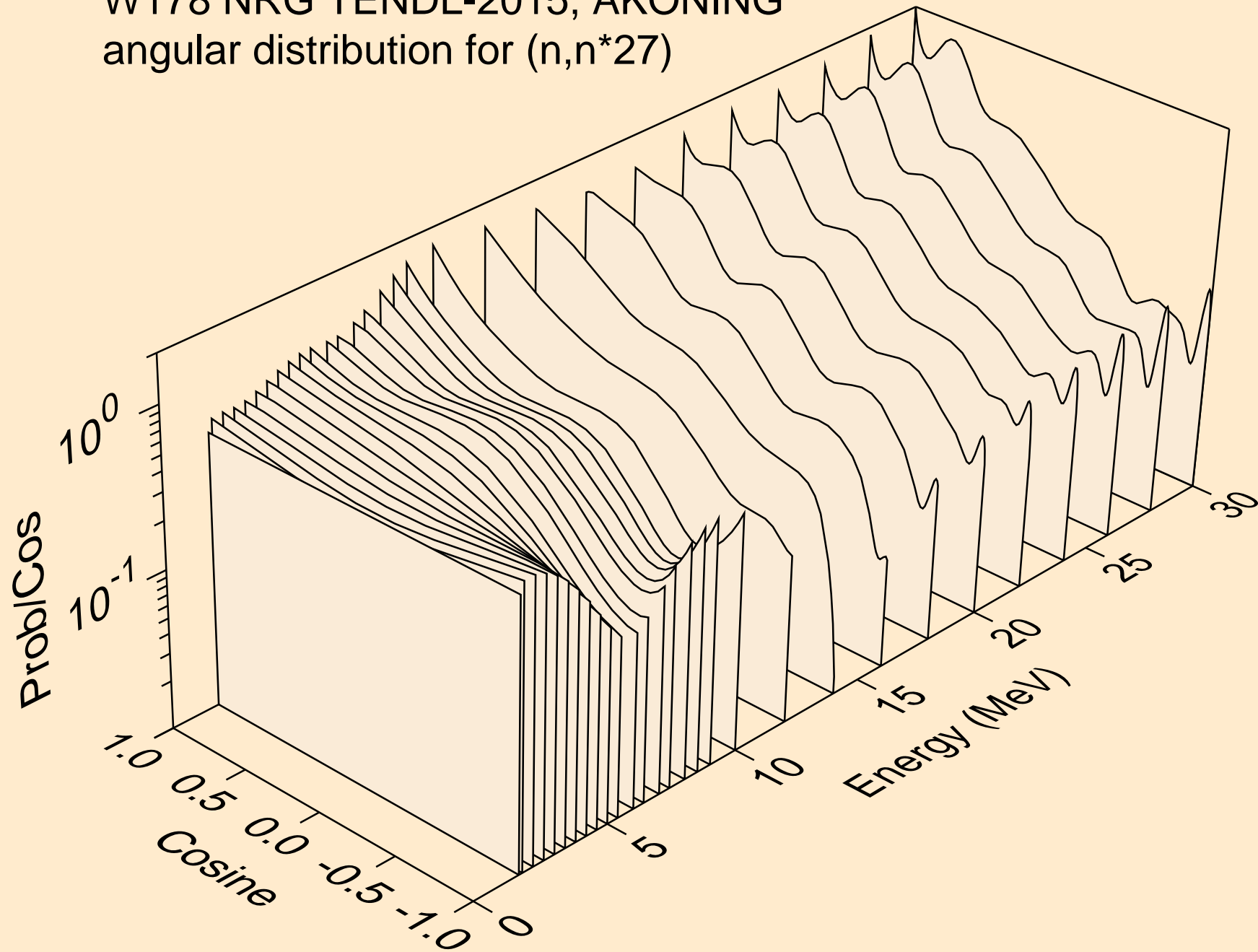
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



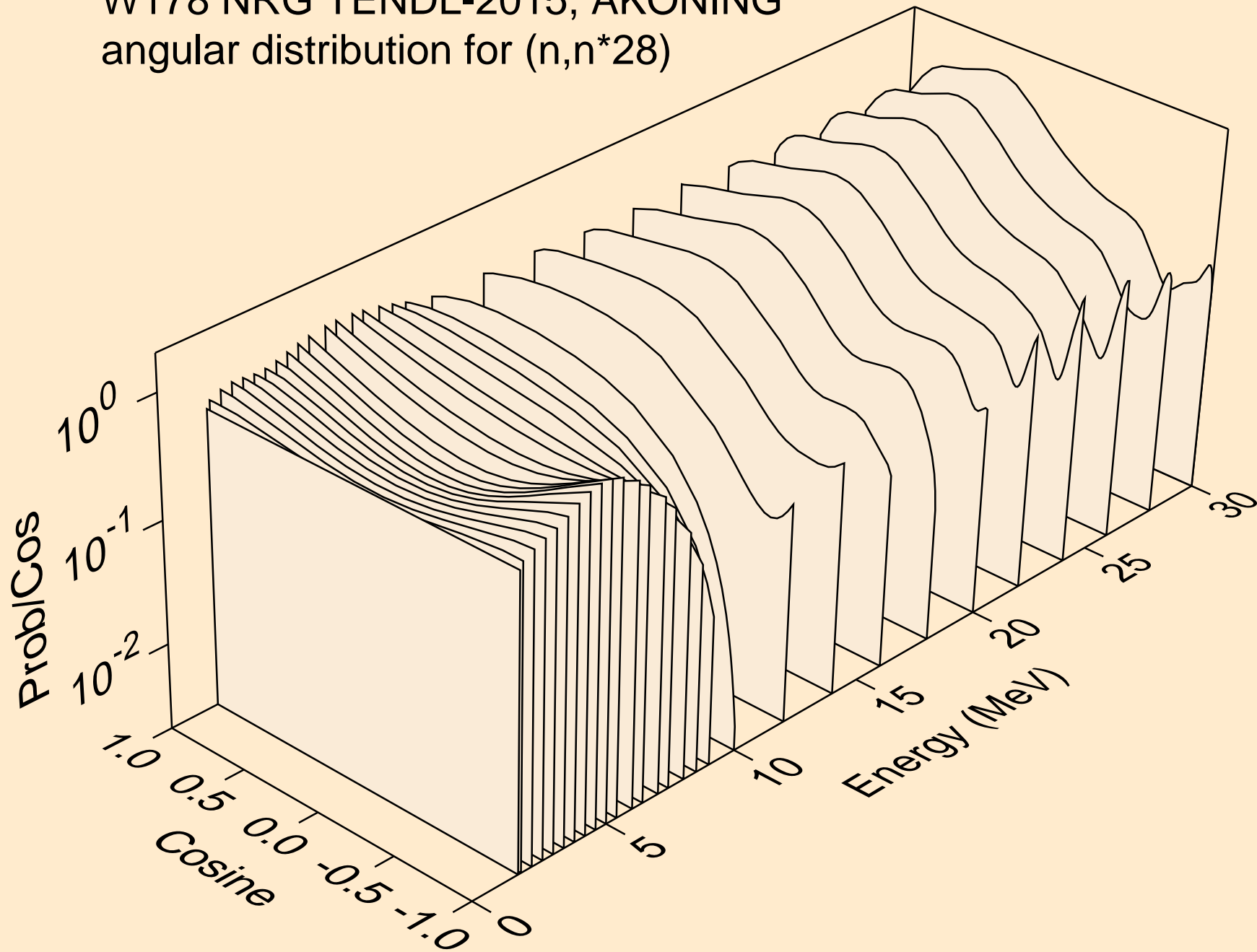
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)

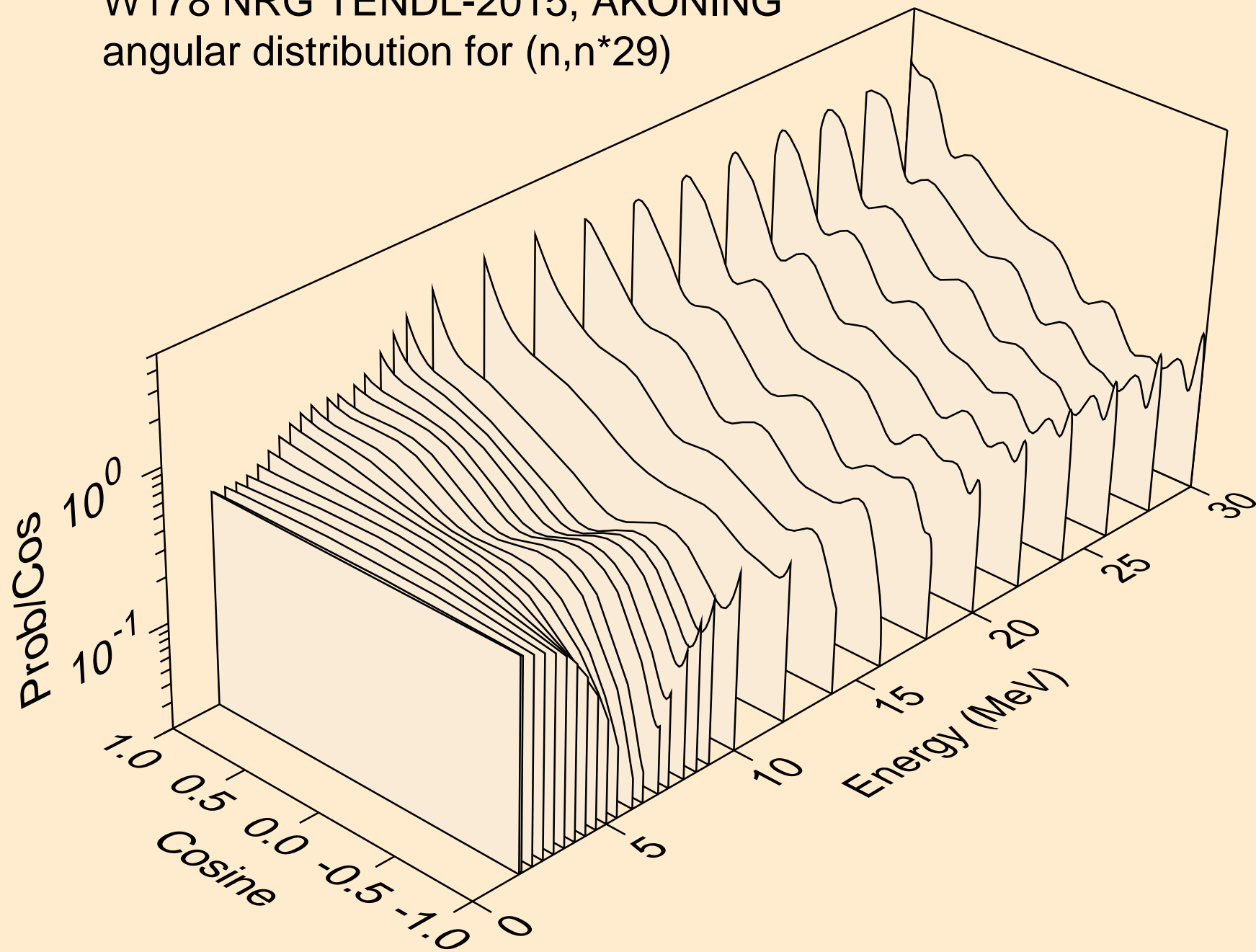


W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)

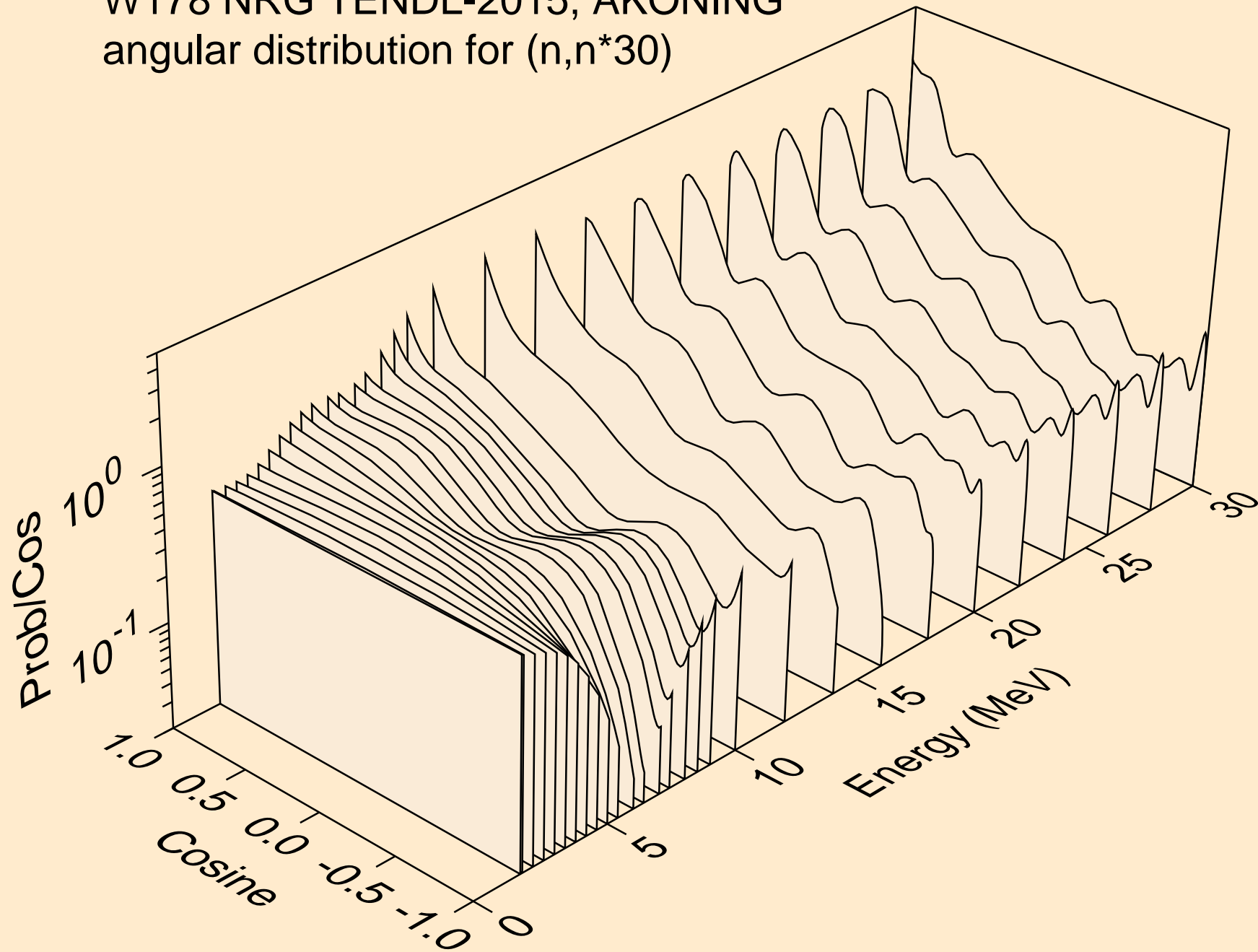




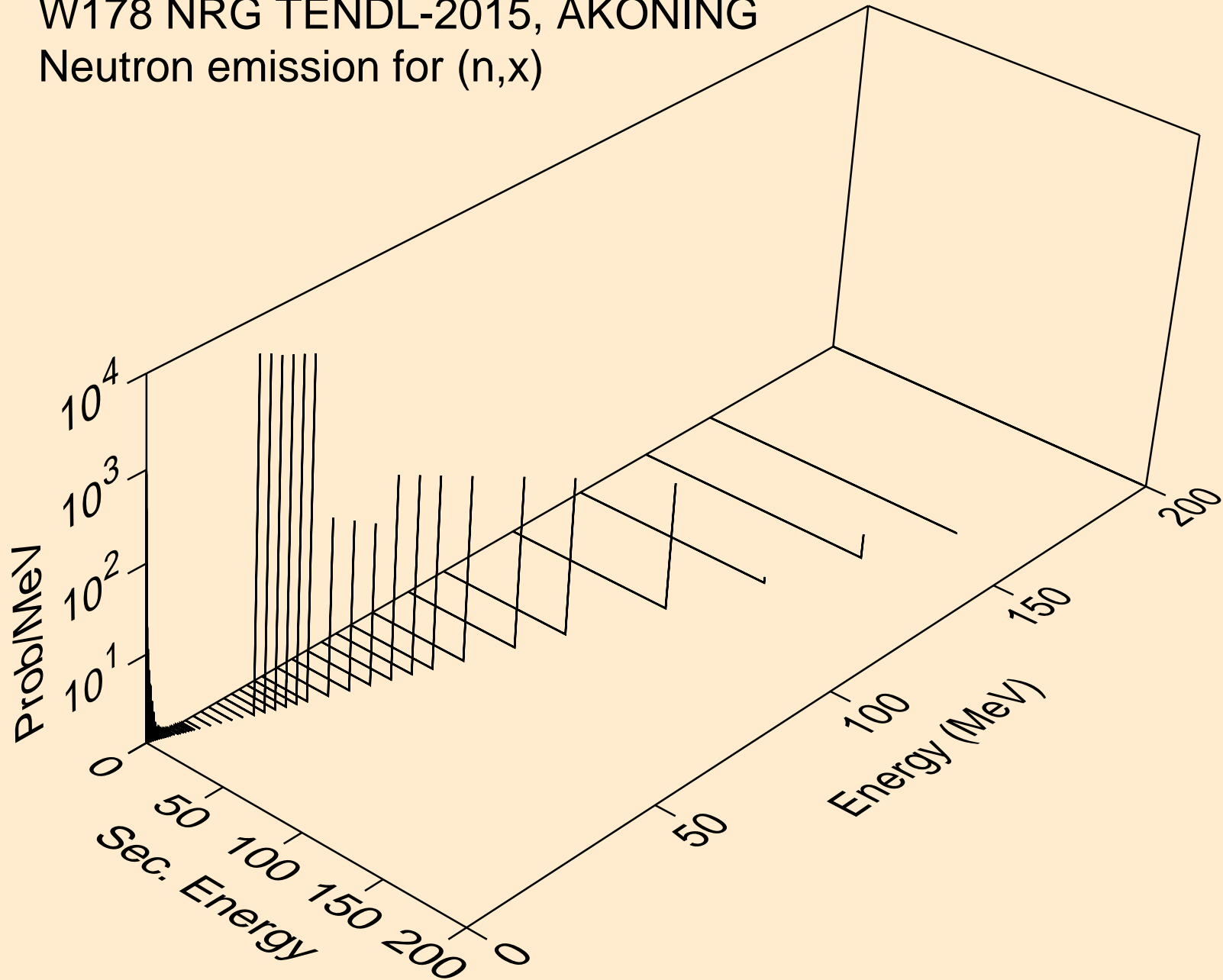
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



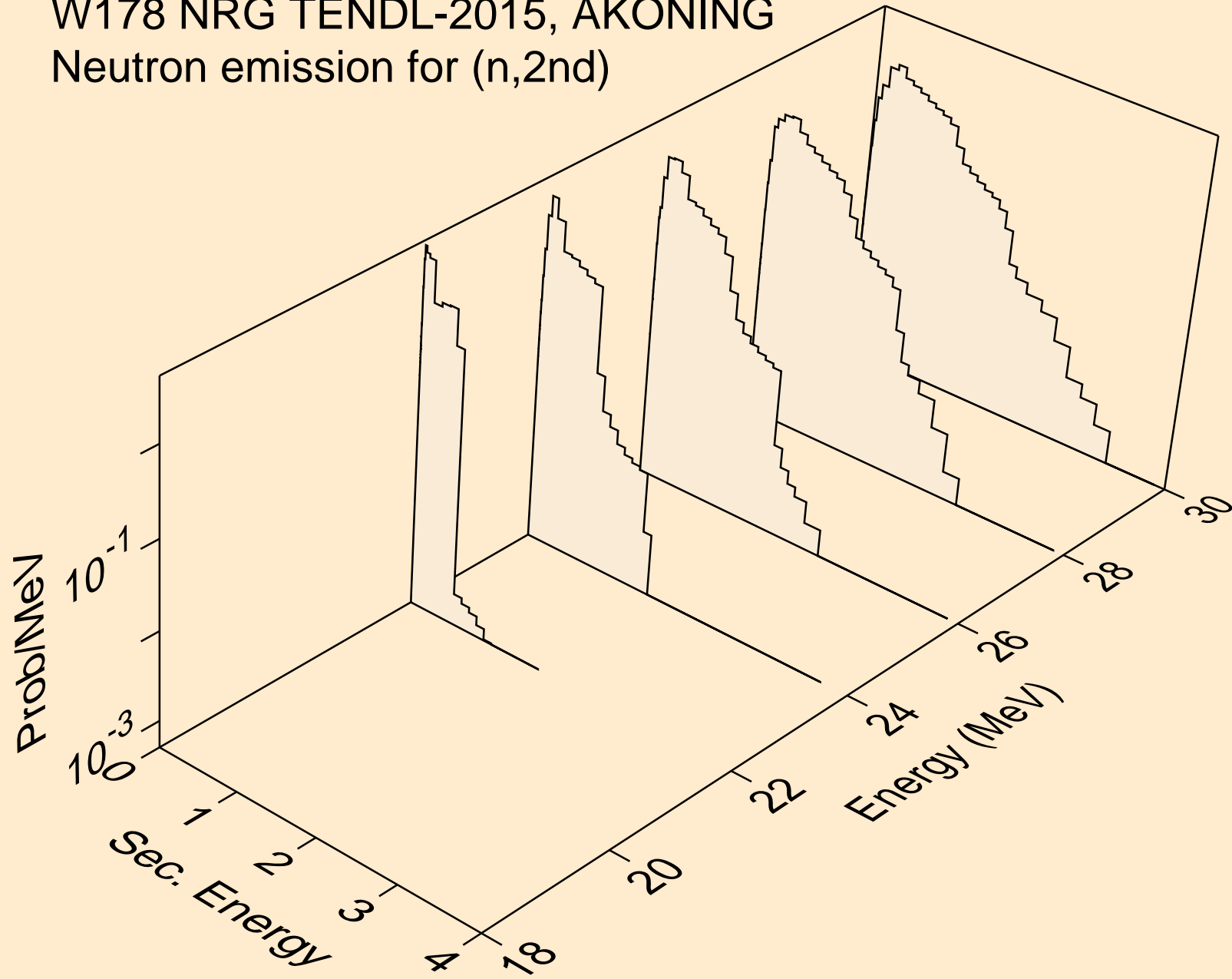
W178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



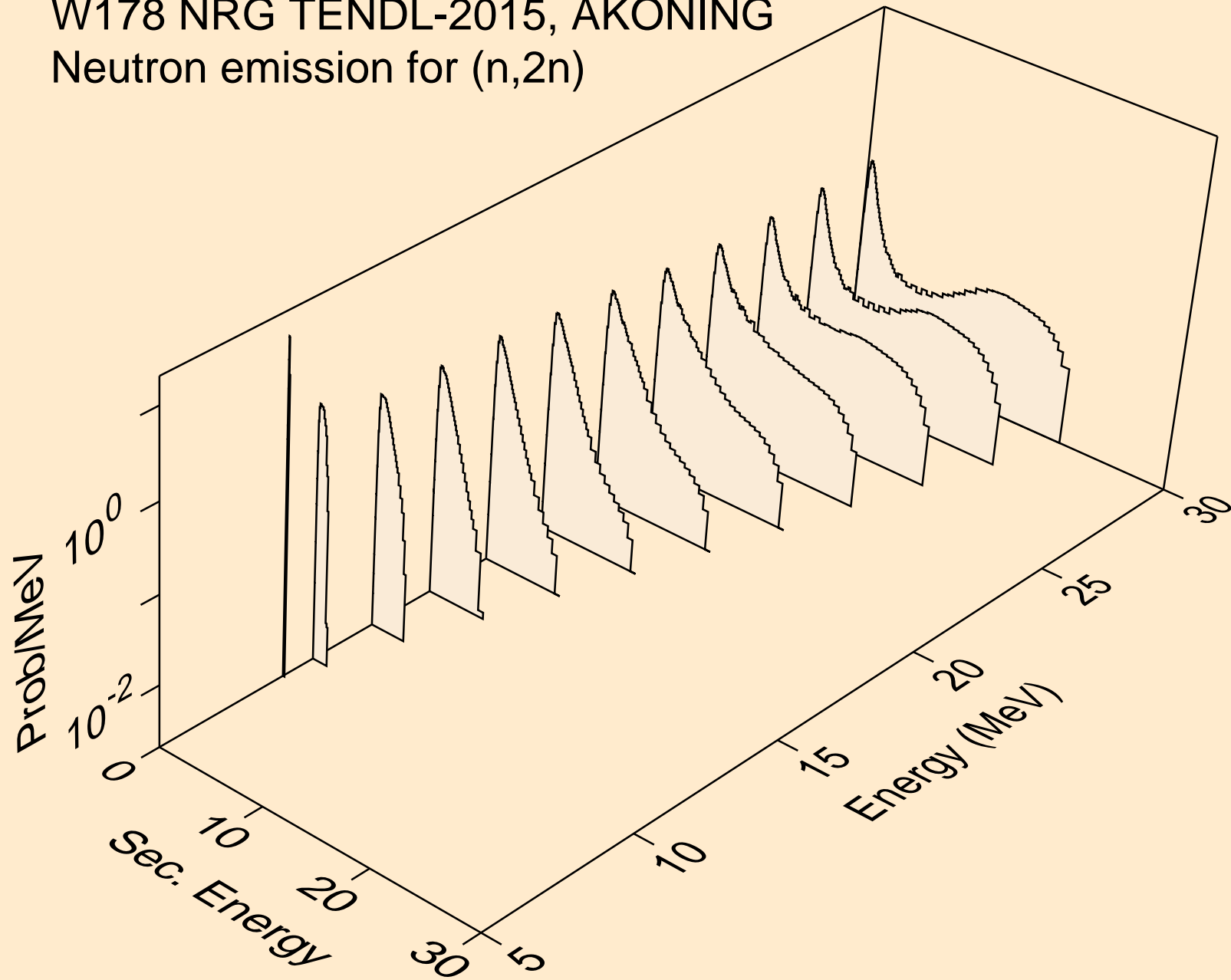
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



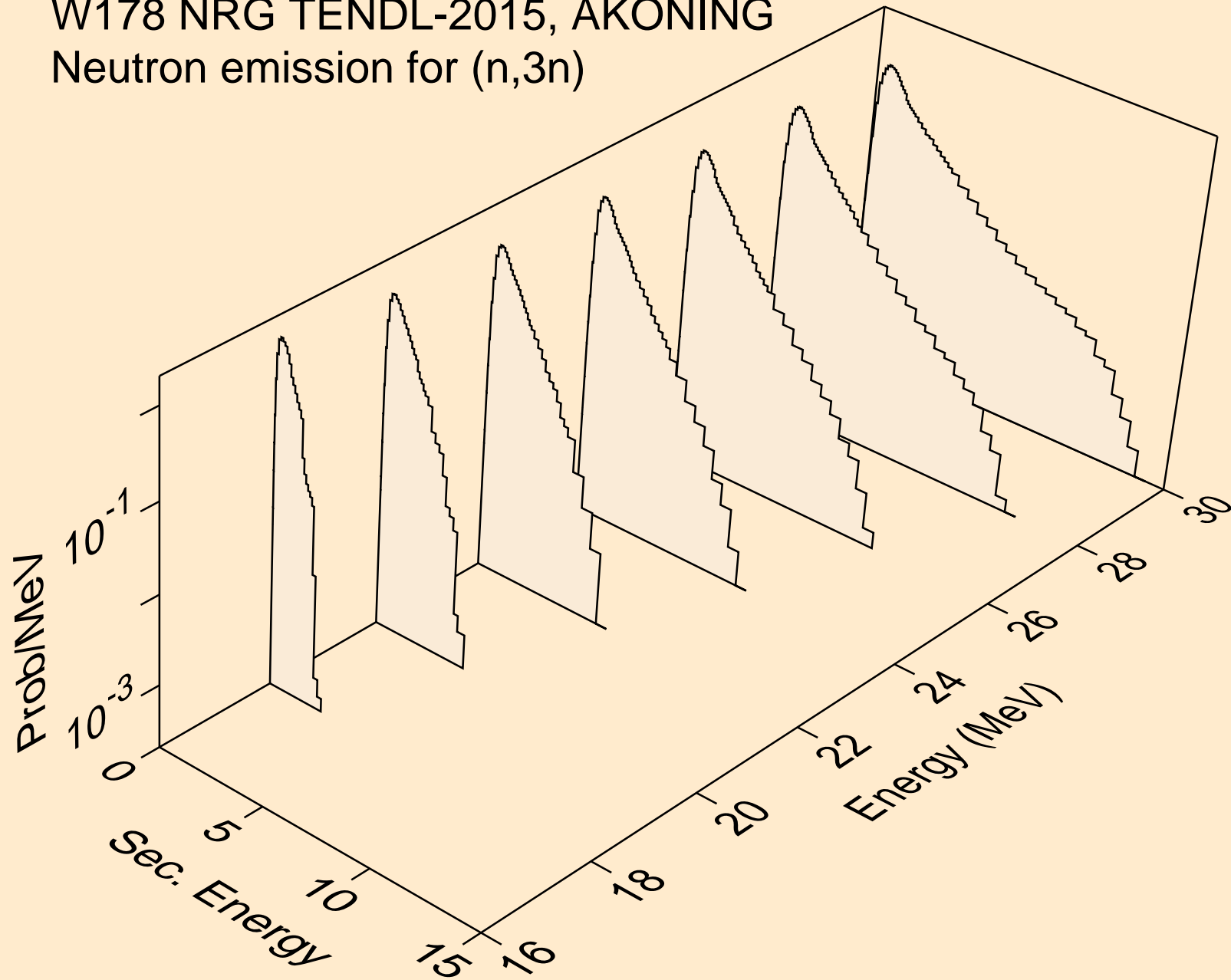
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



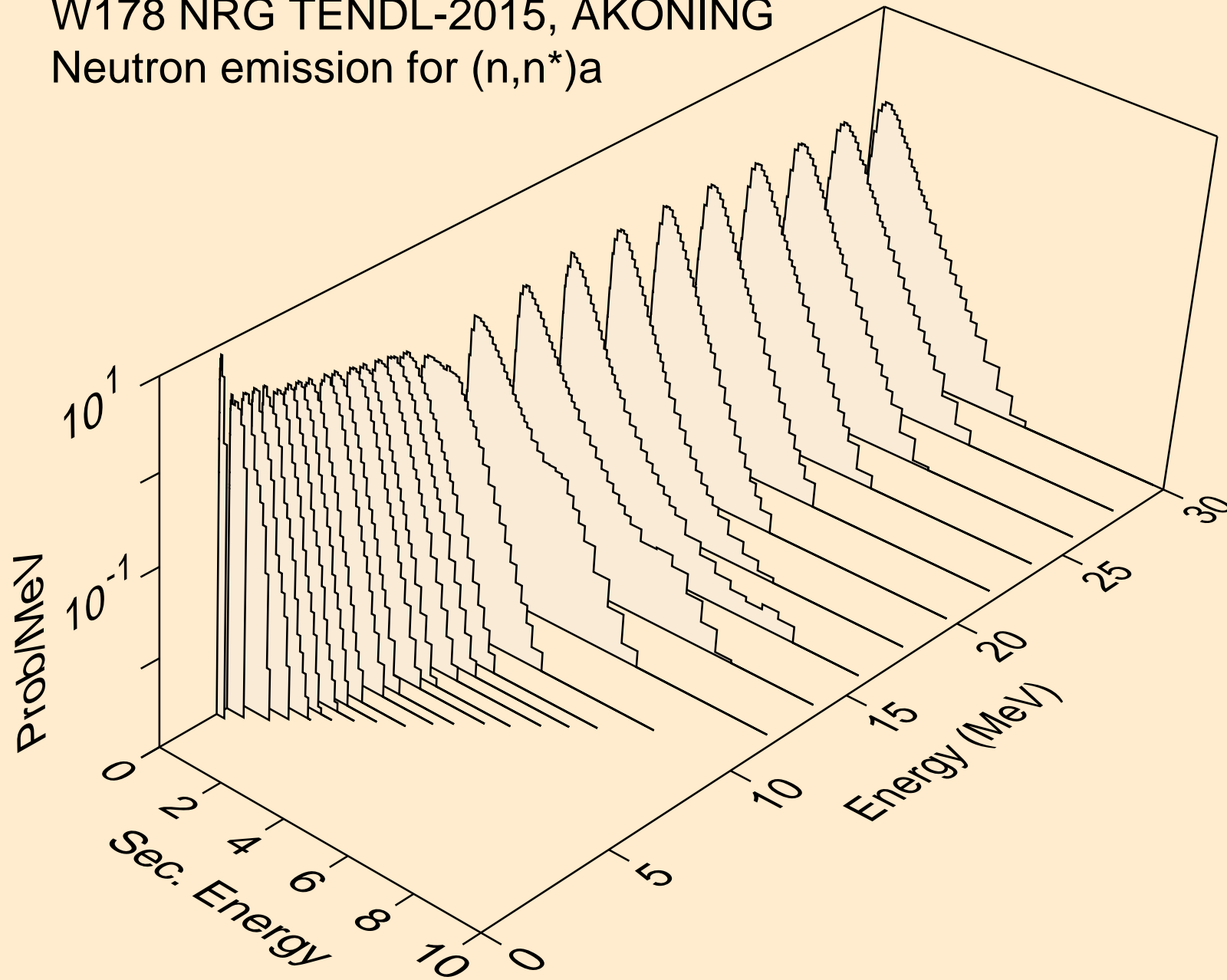
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



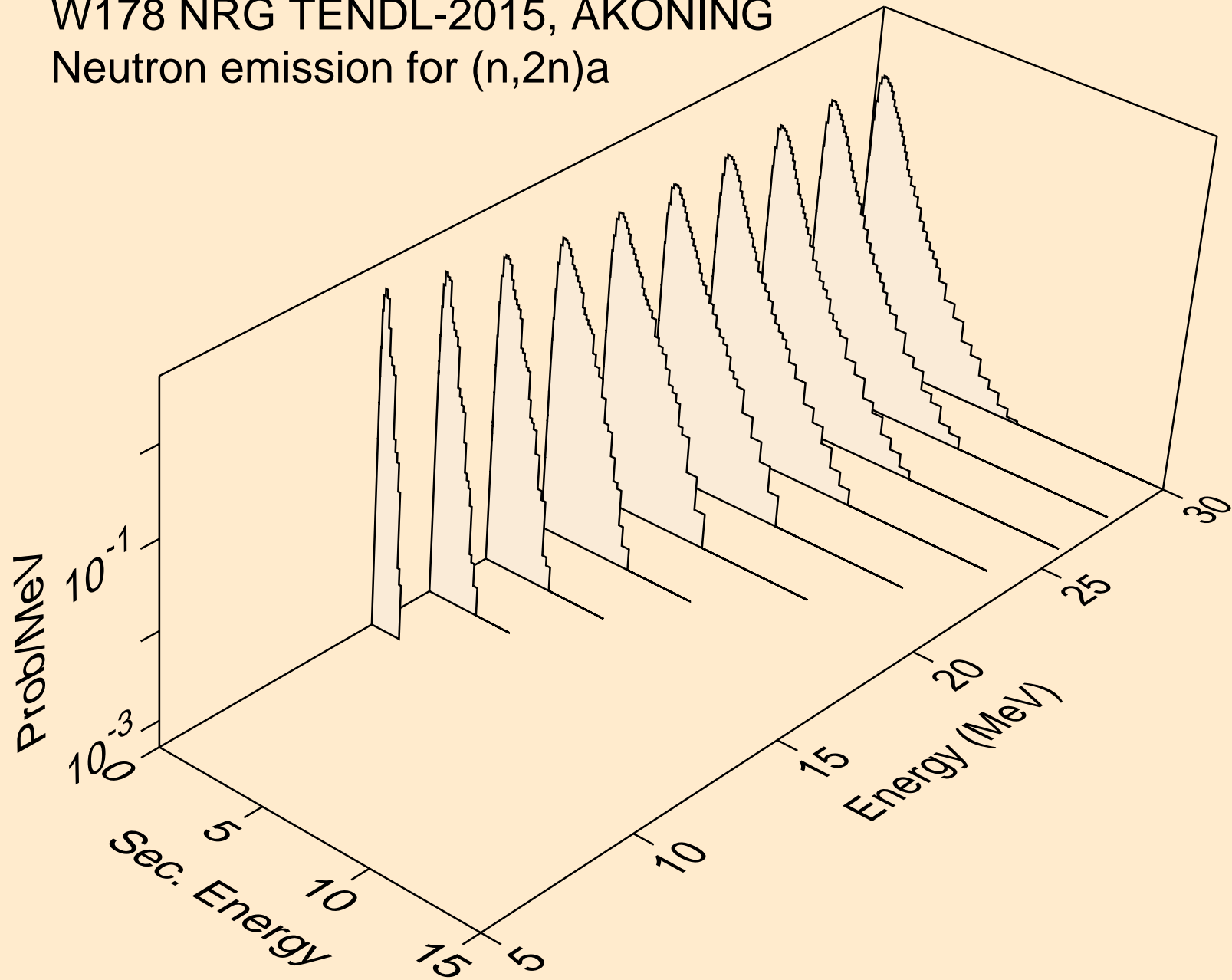
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

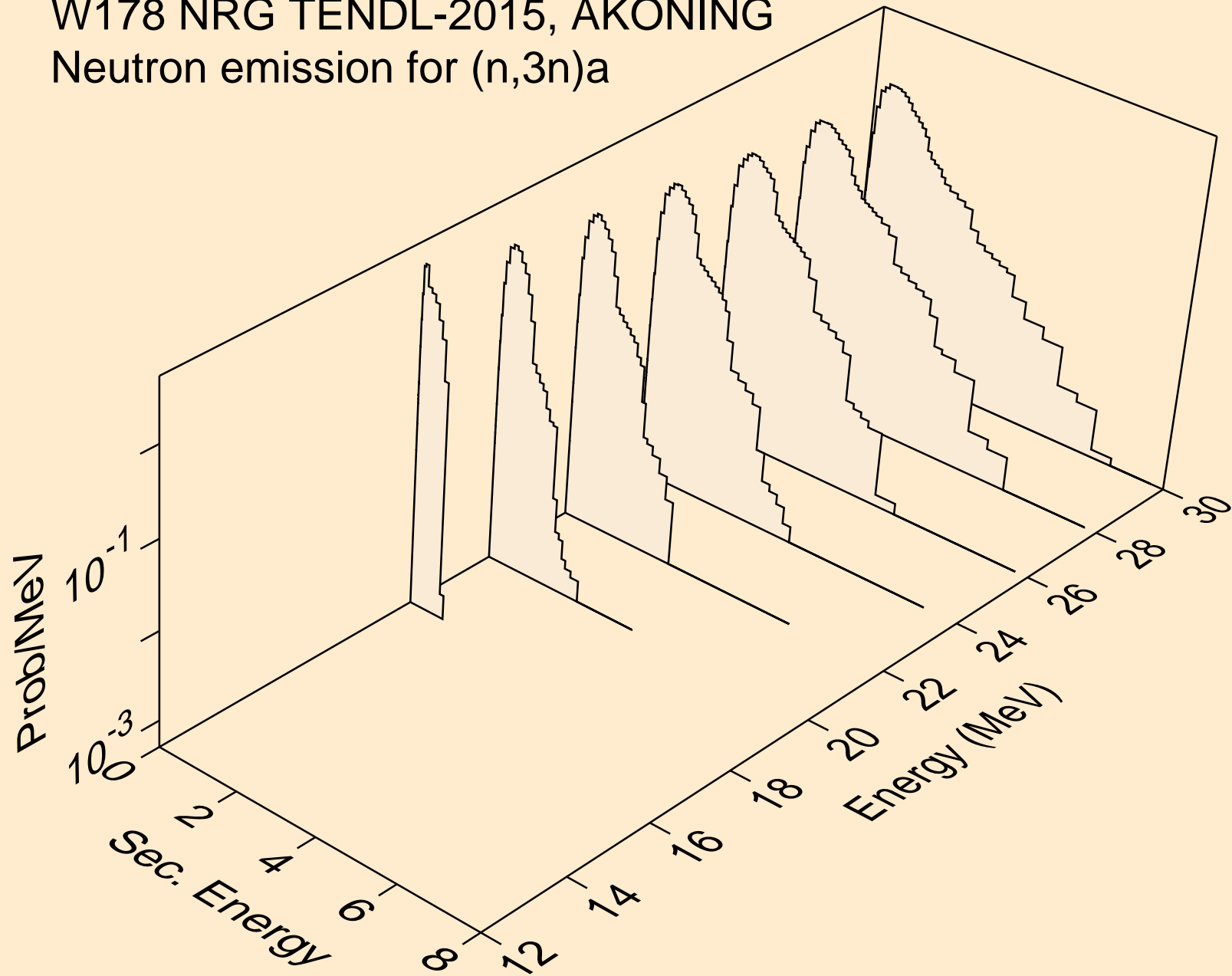


W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

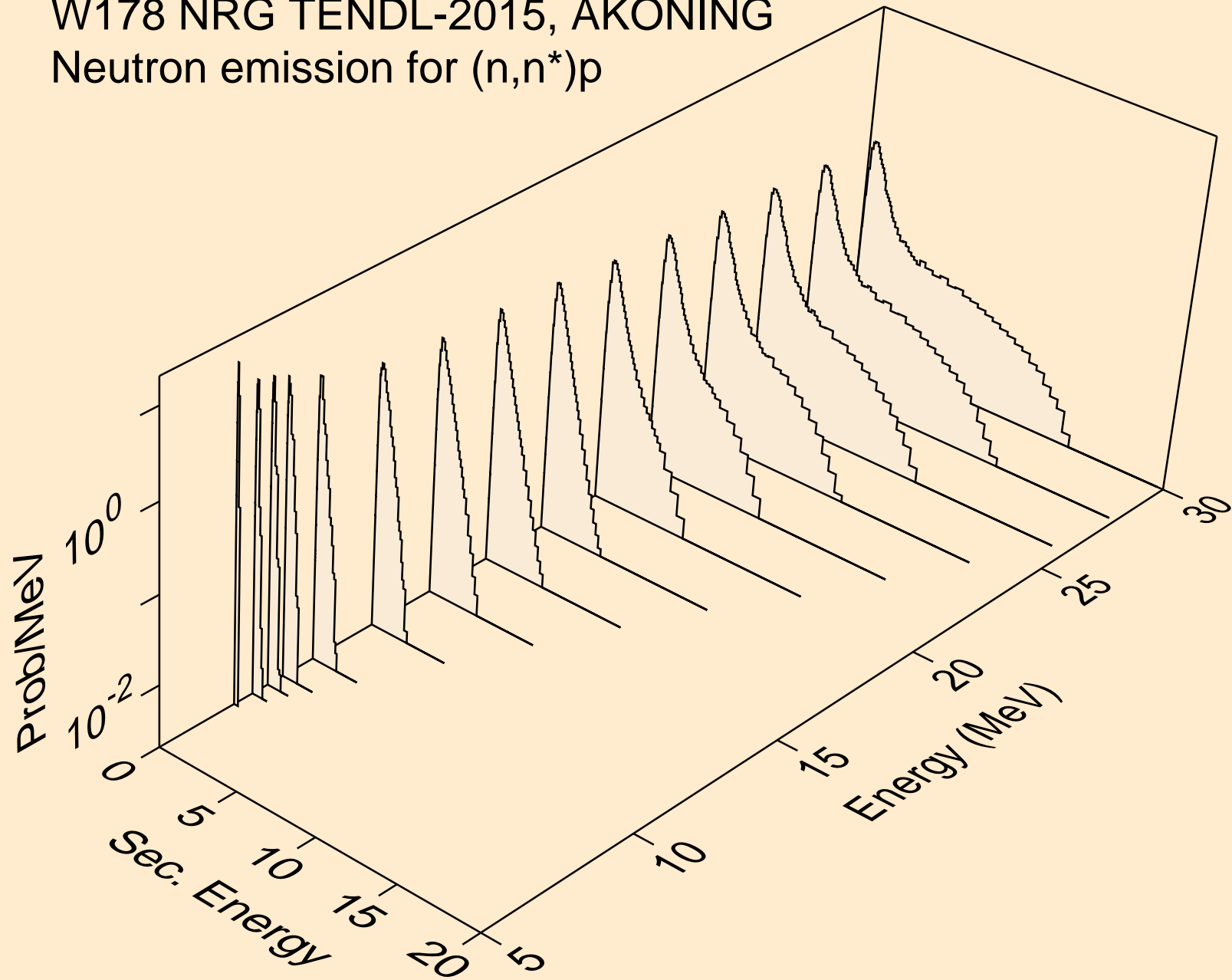




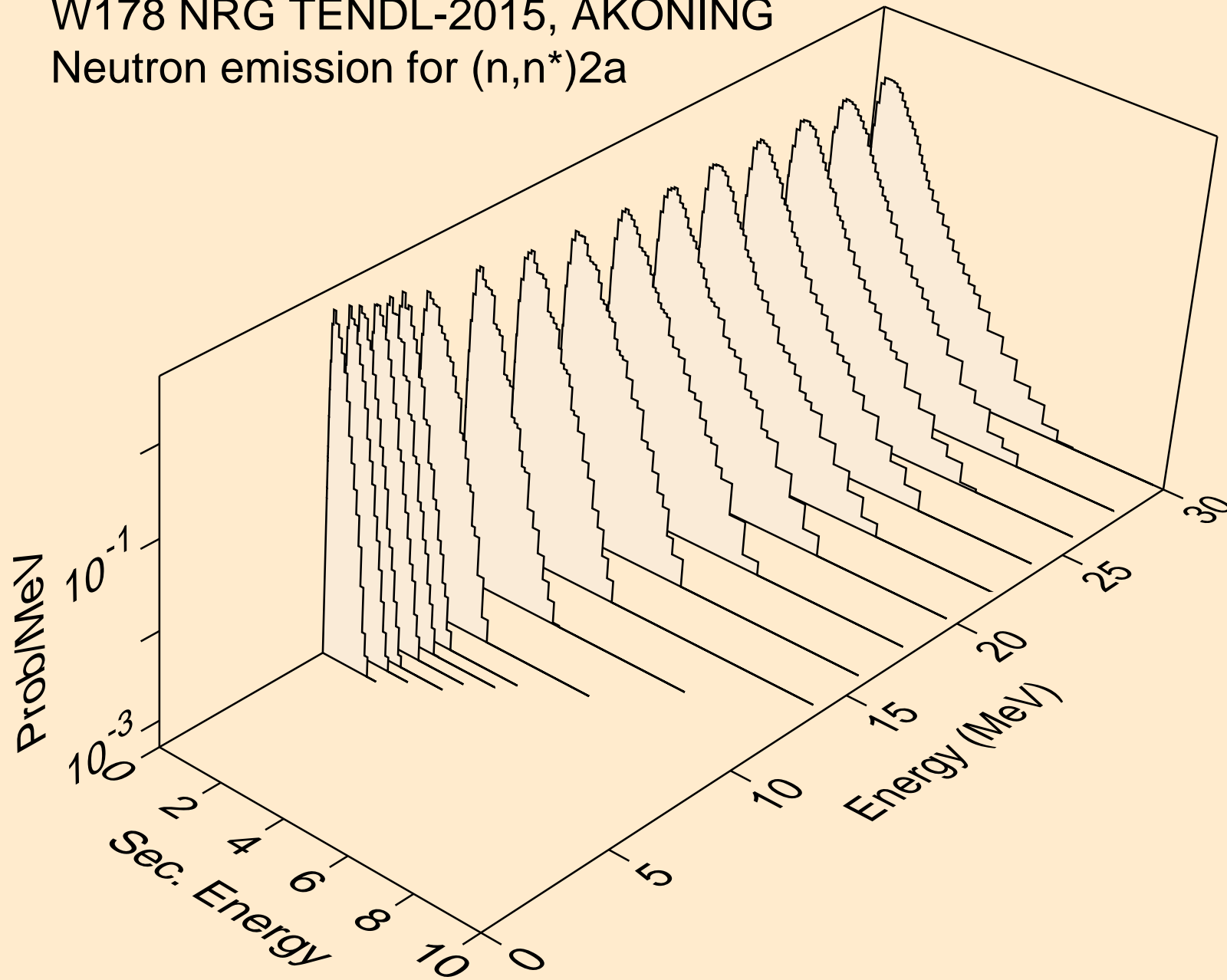
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



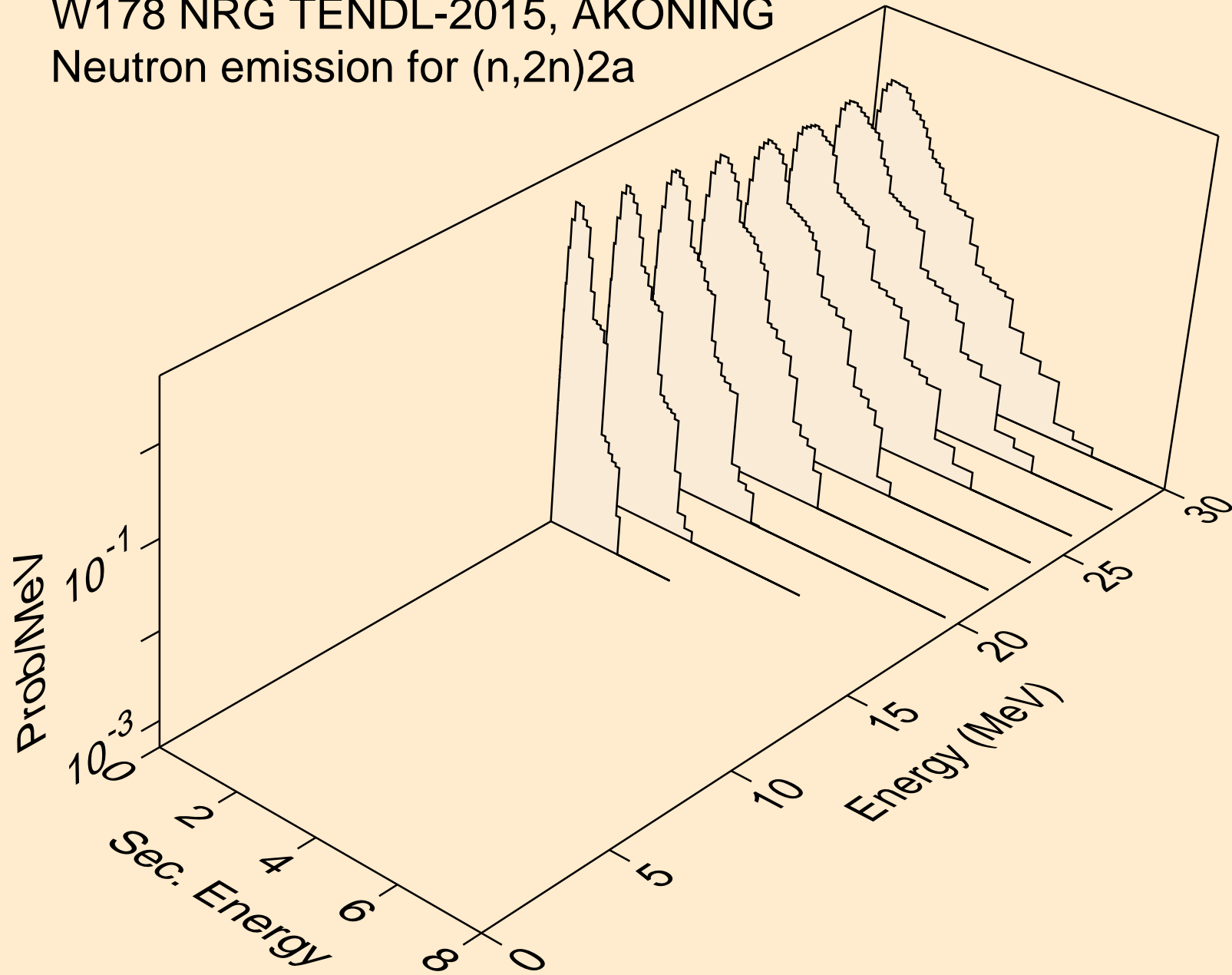
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



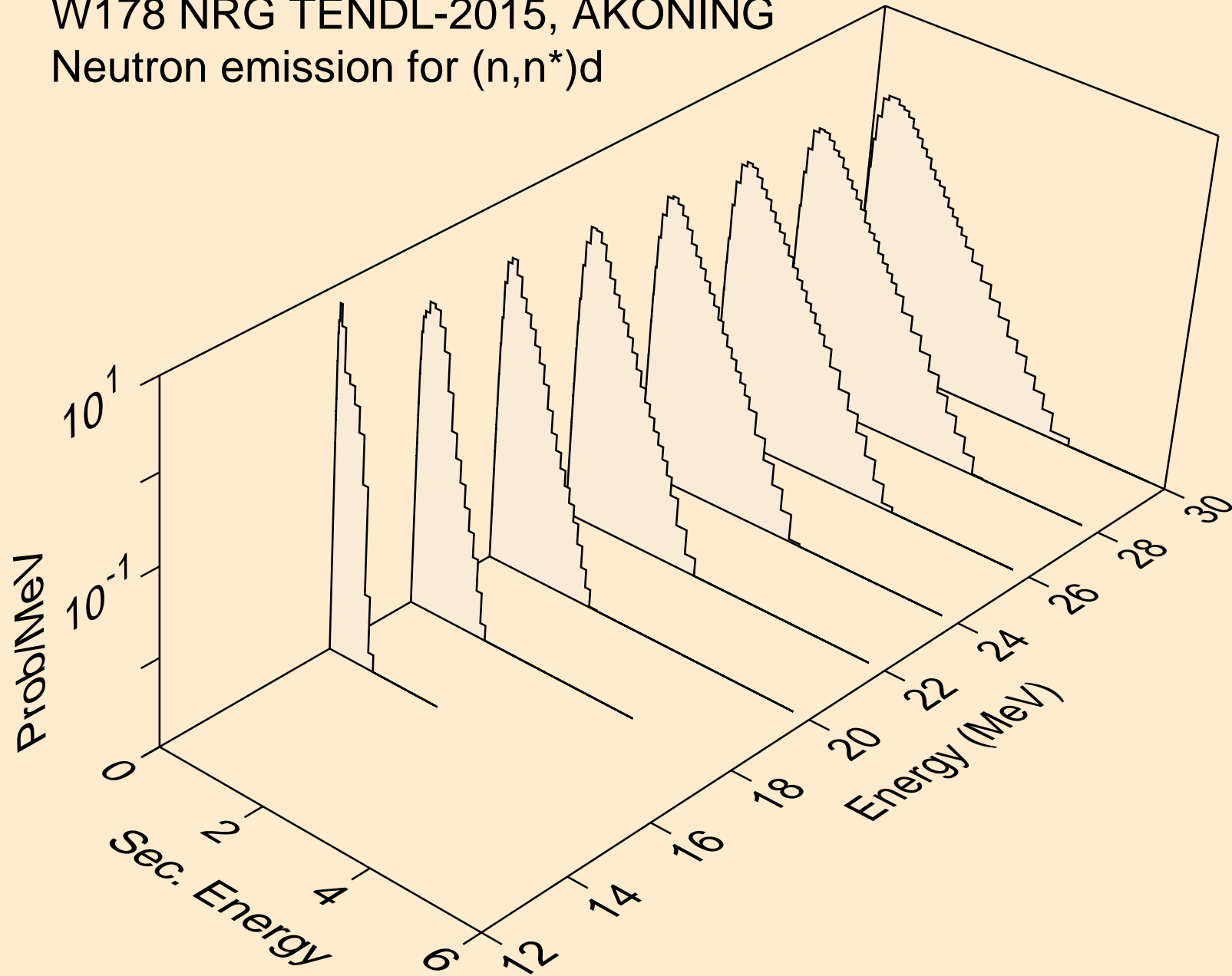
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



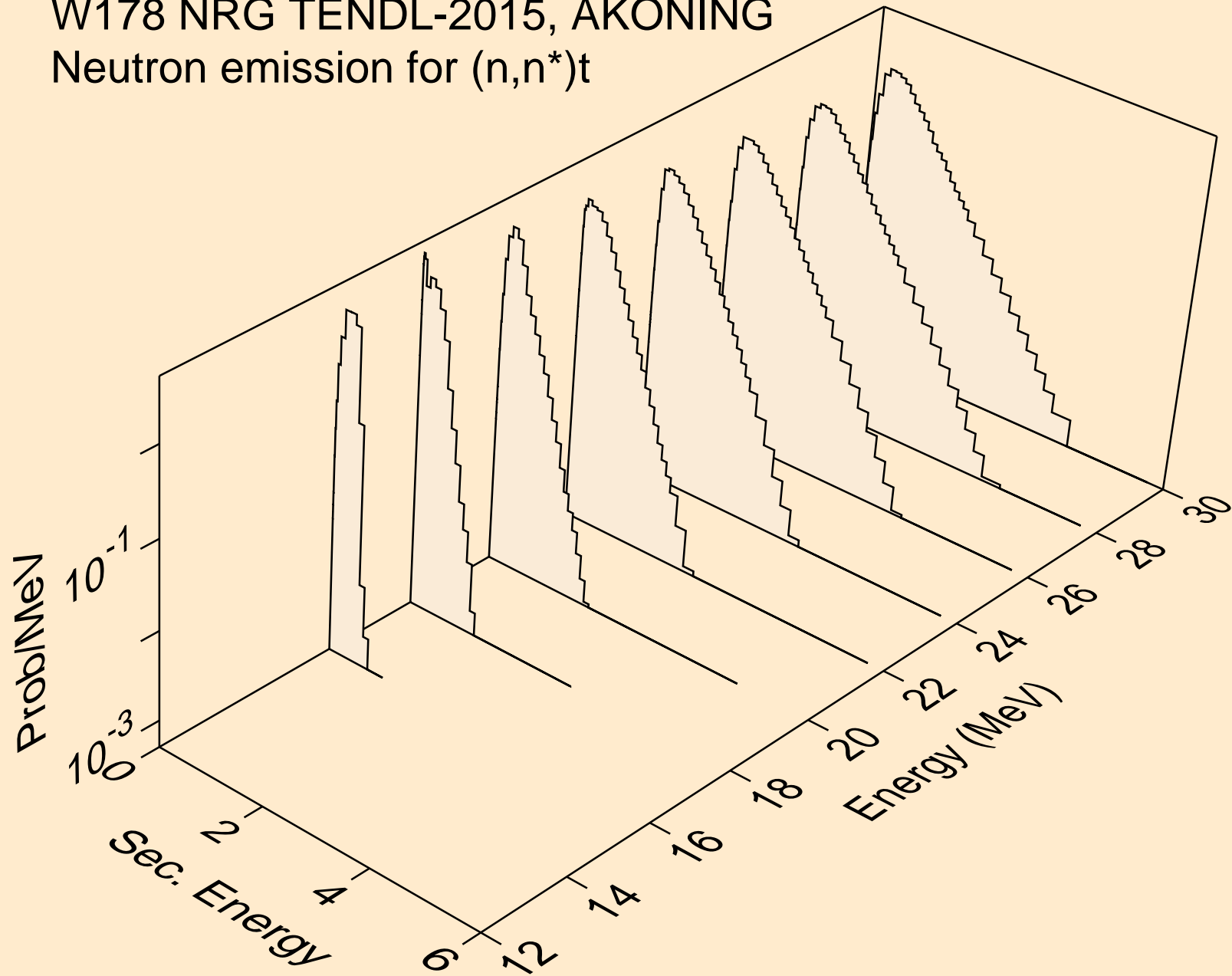
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



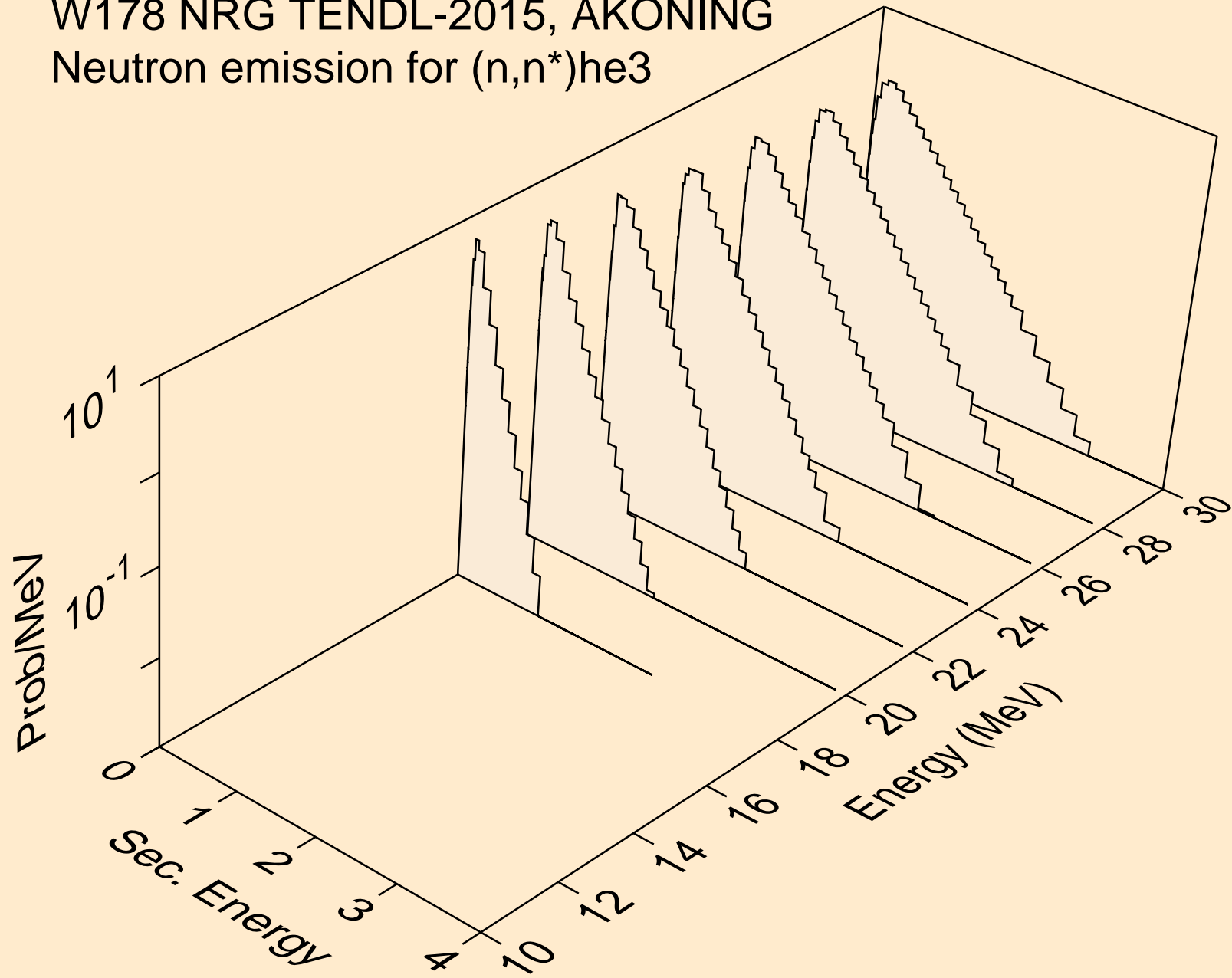
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



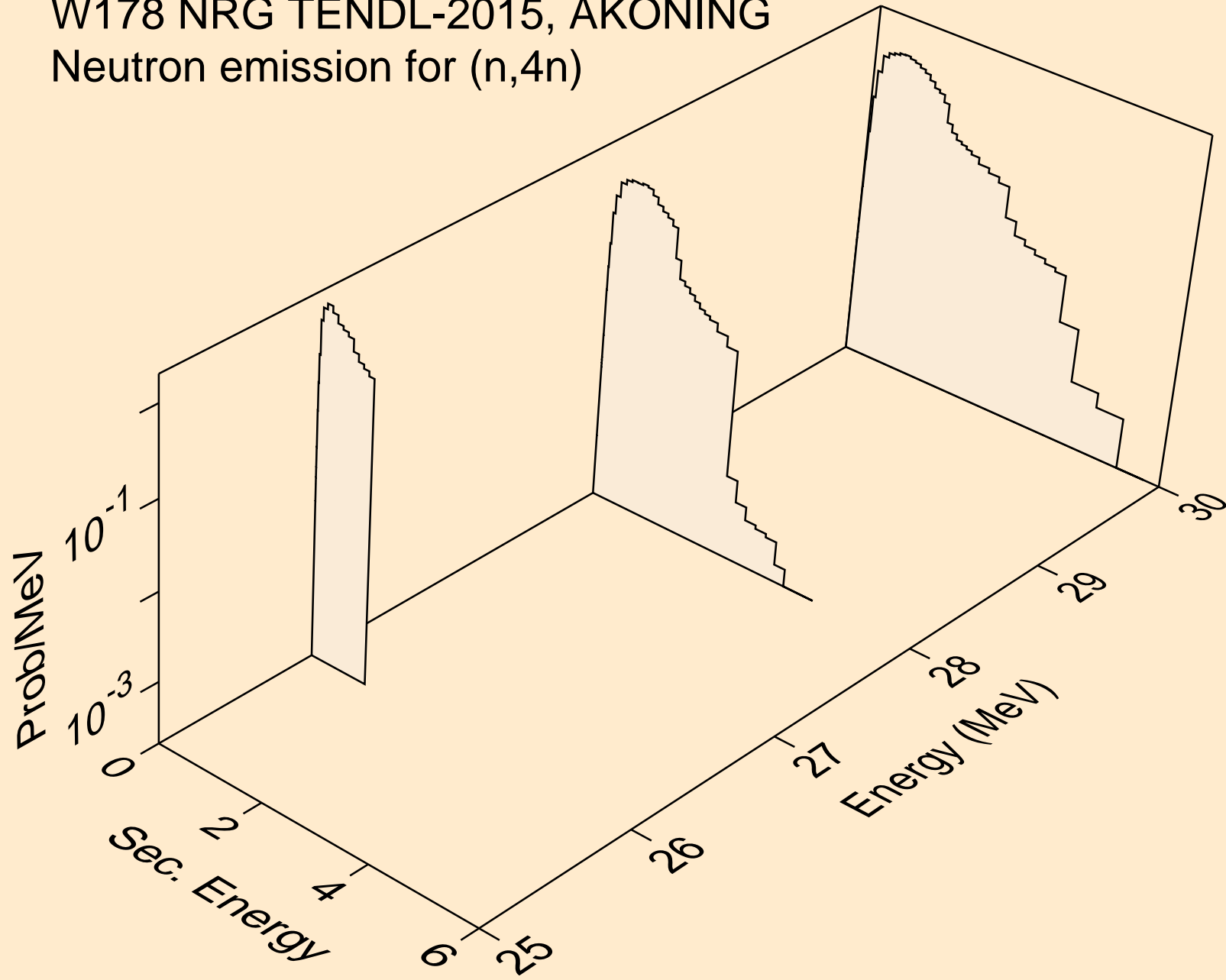
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

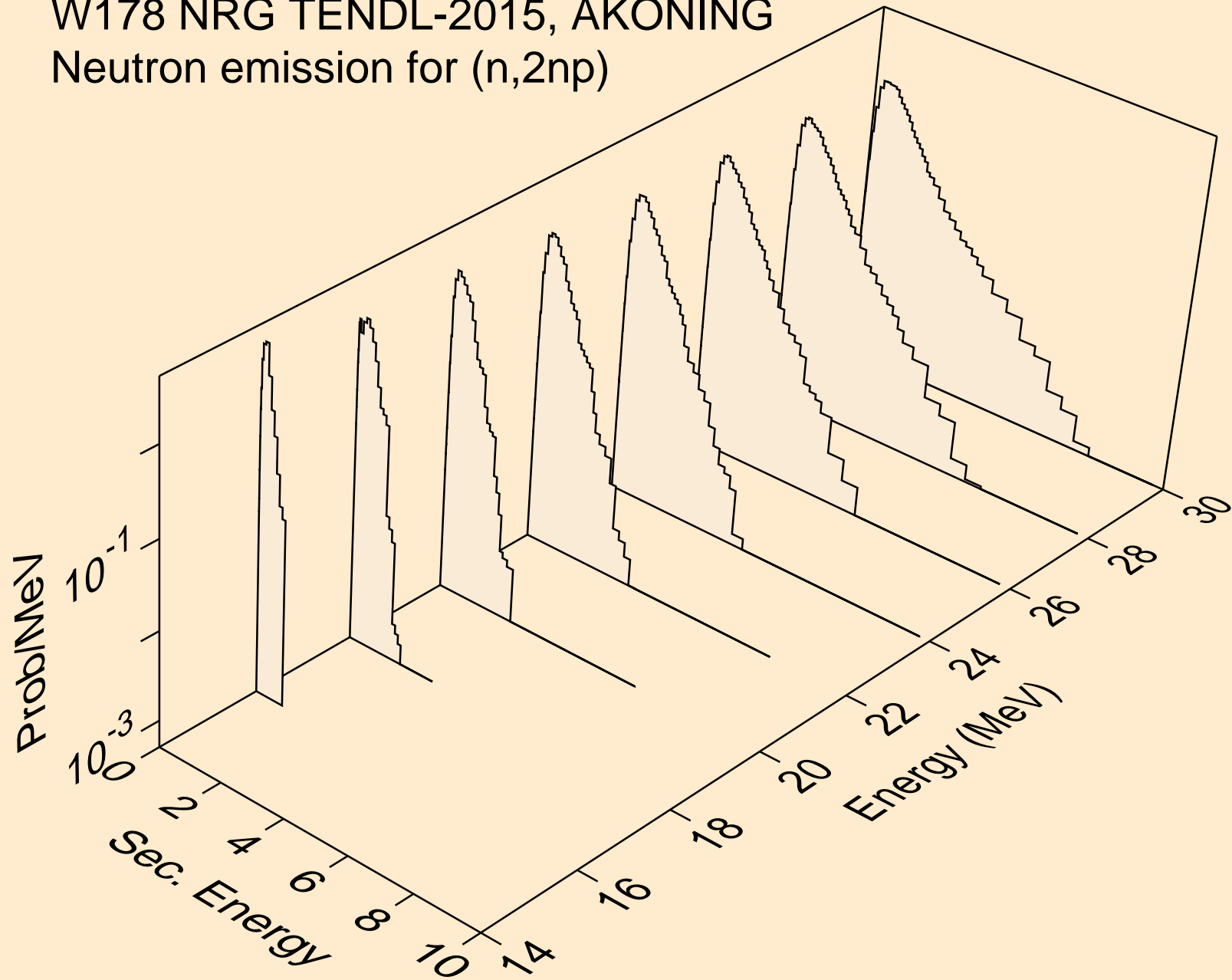


W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

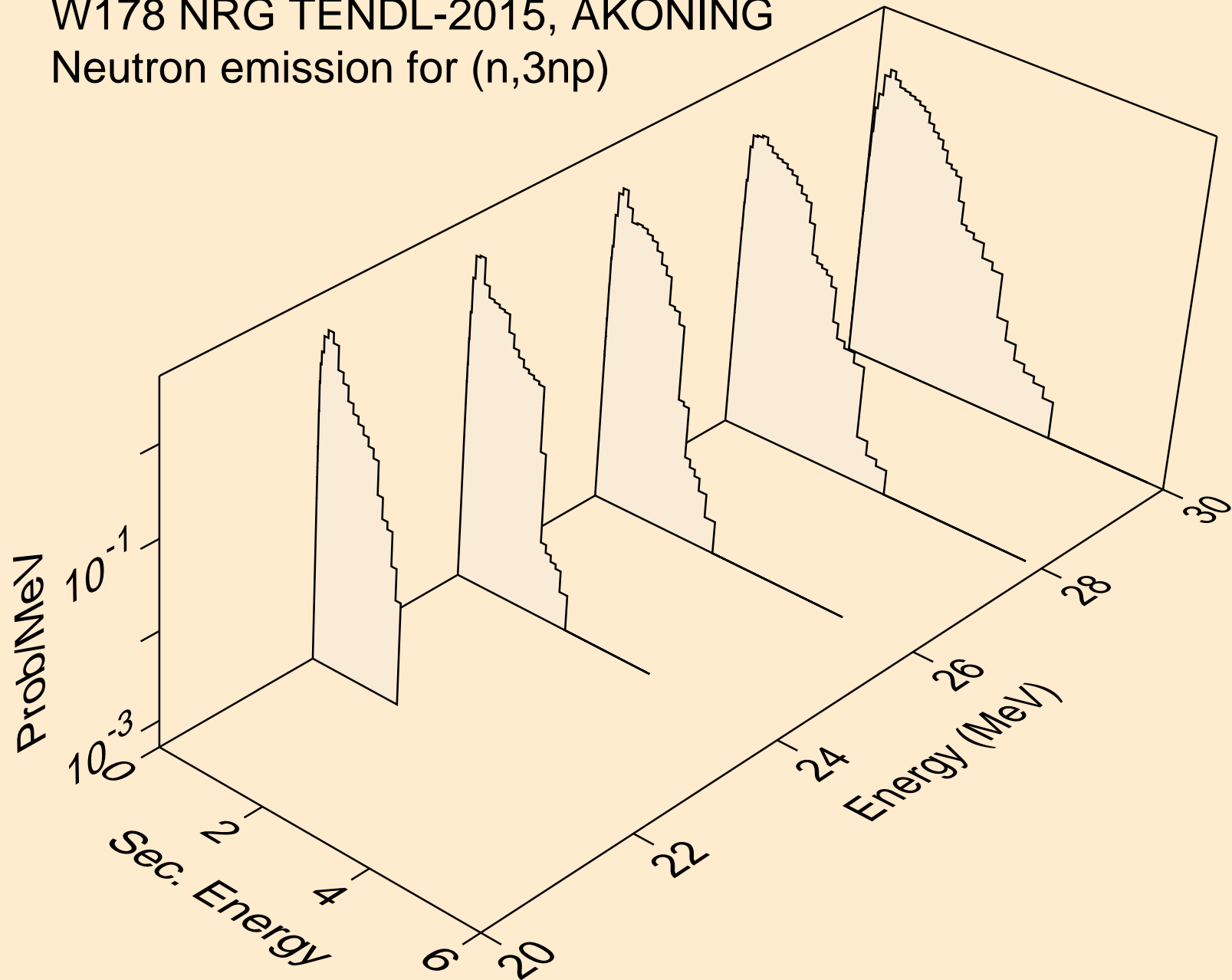




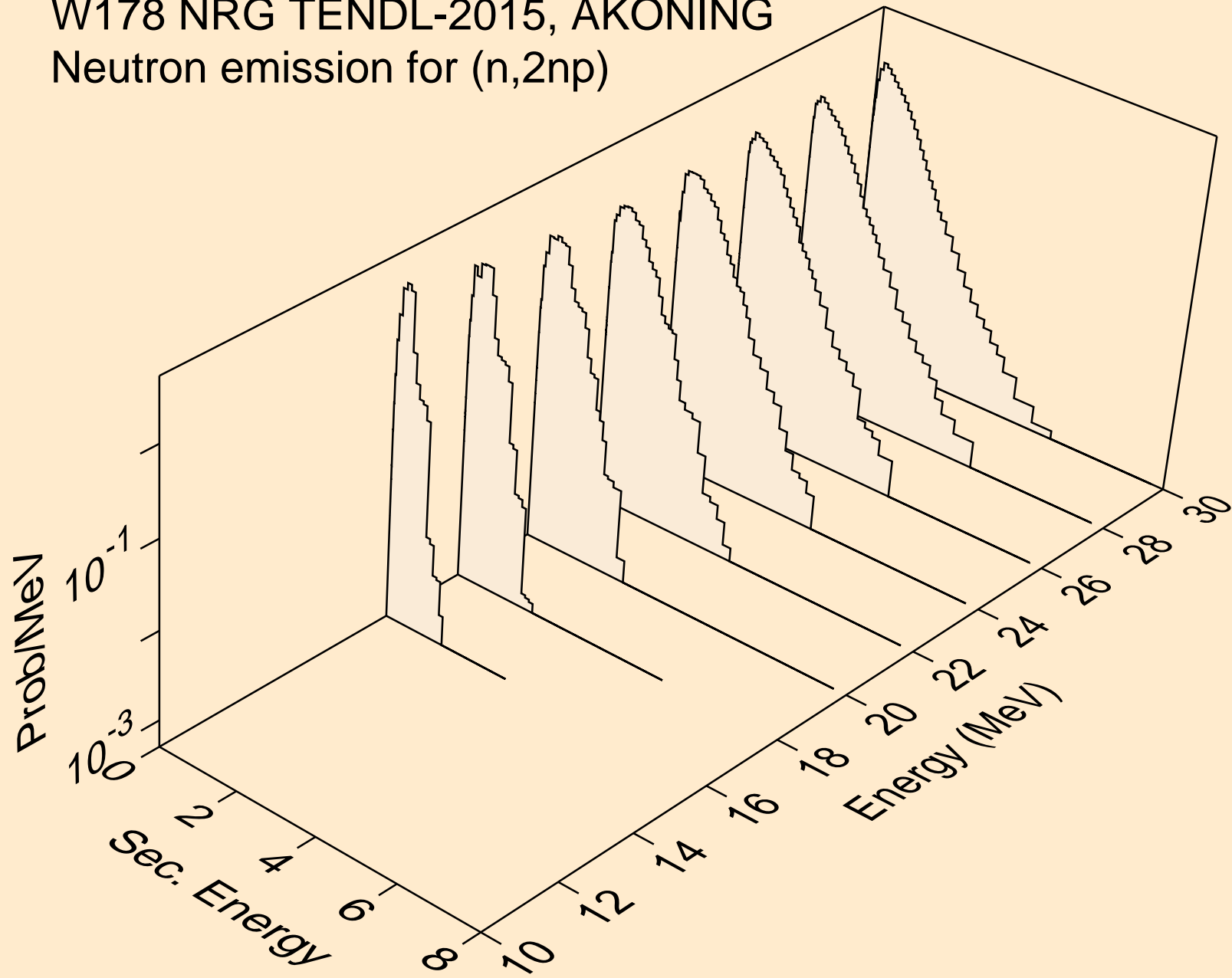
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



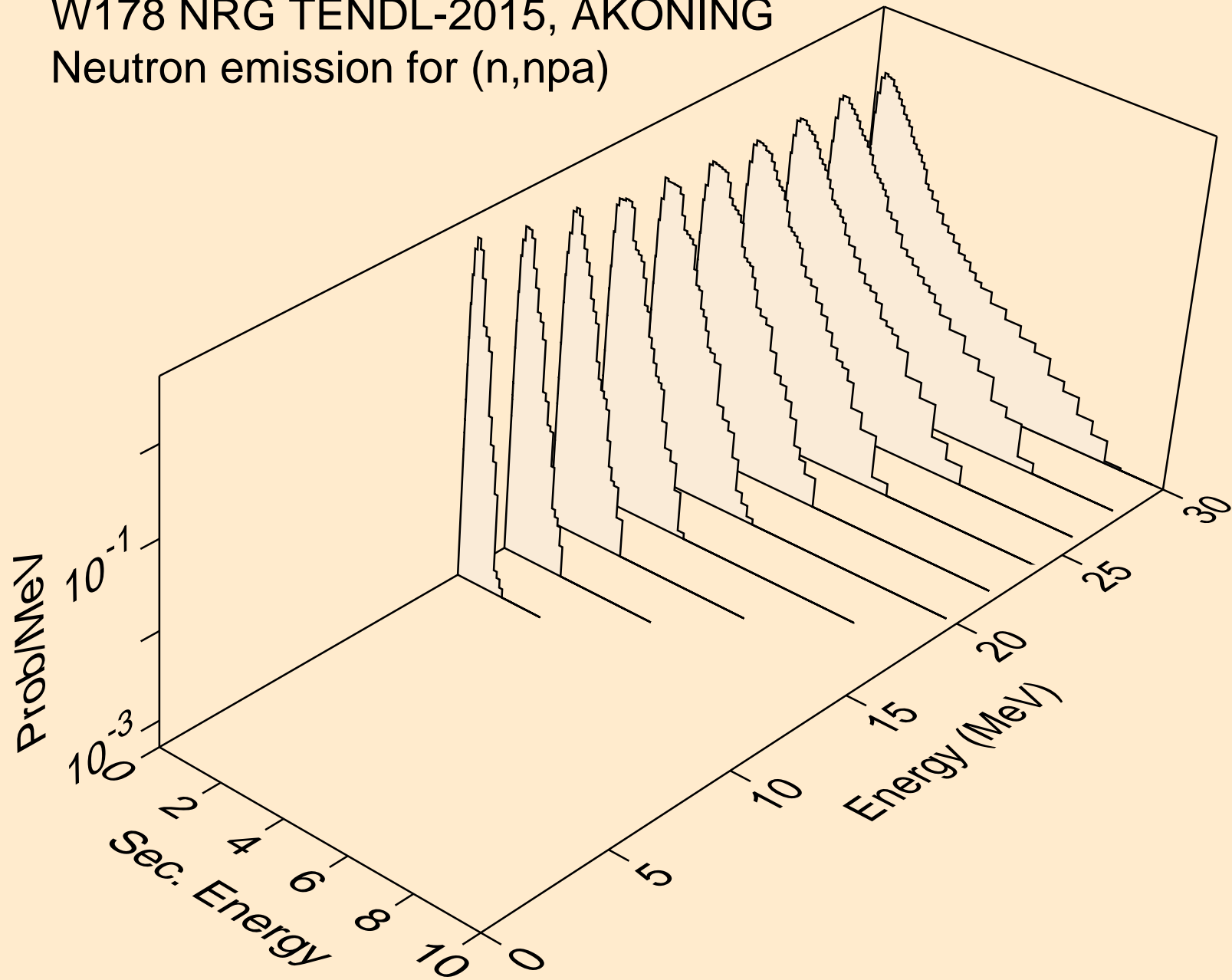
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



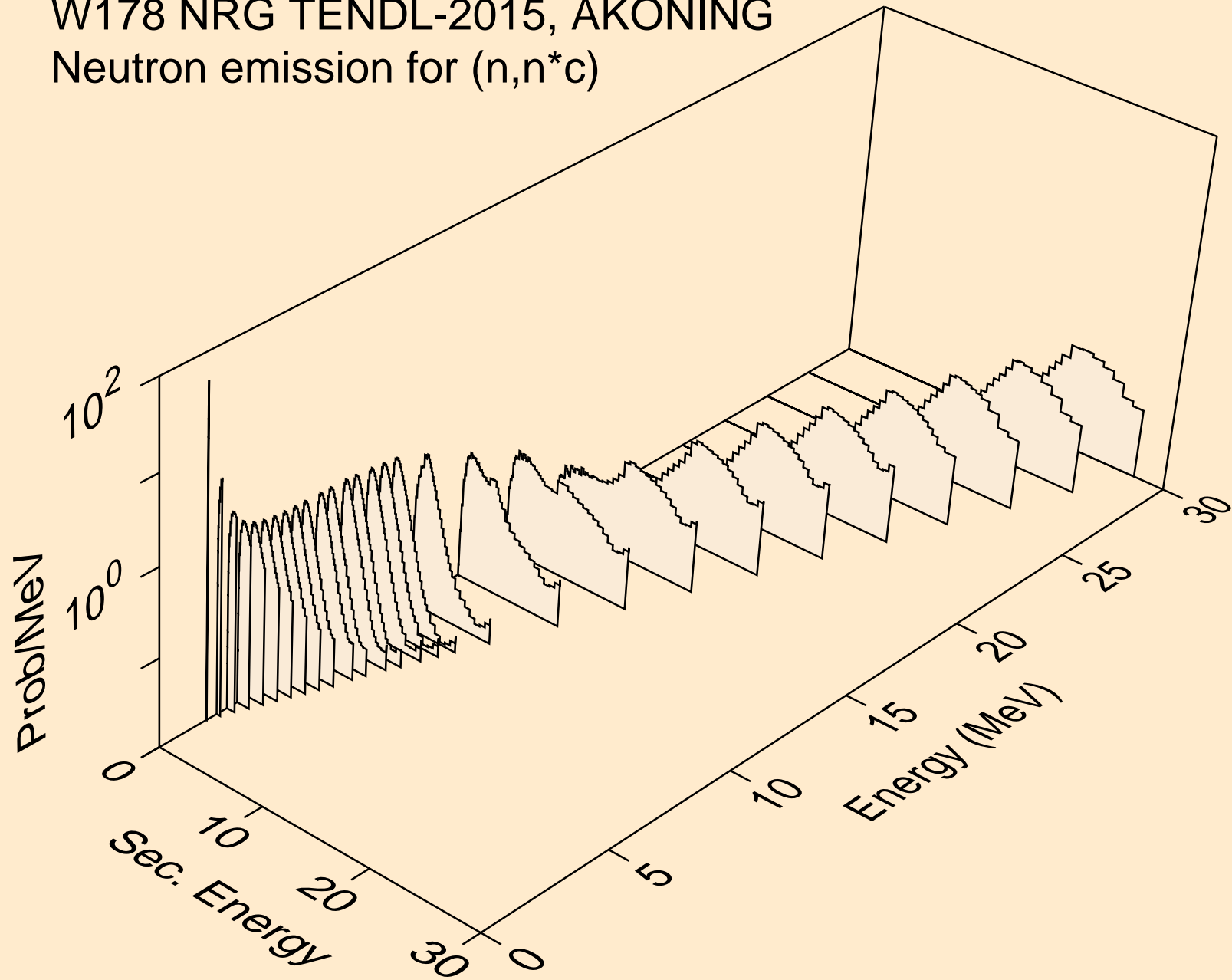
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



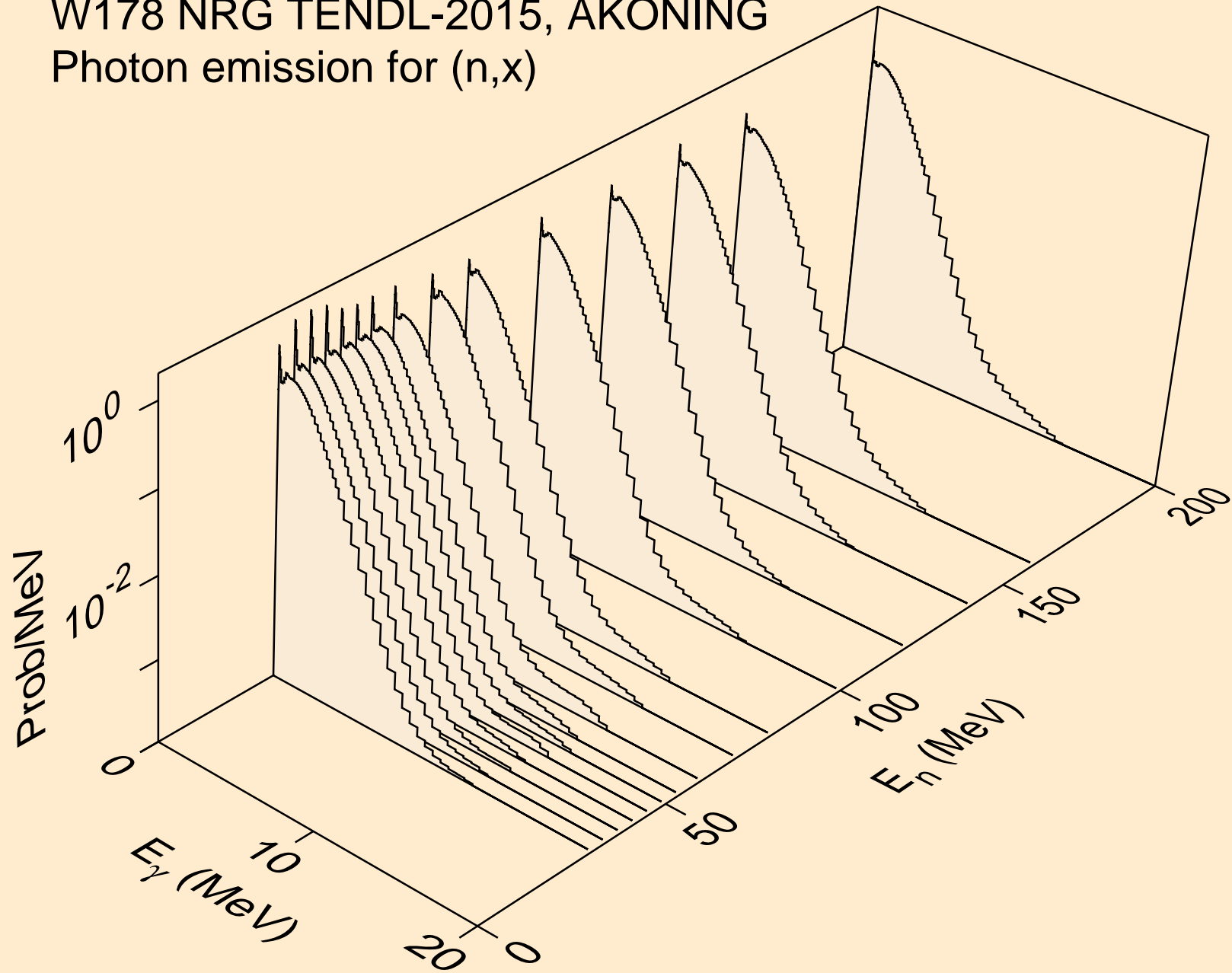
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



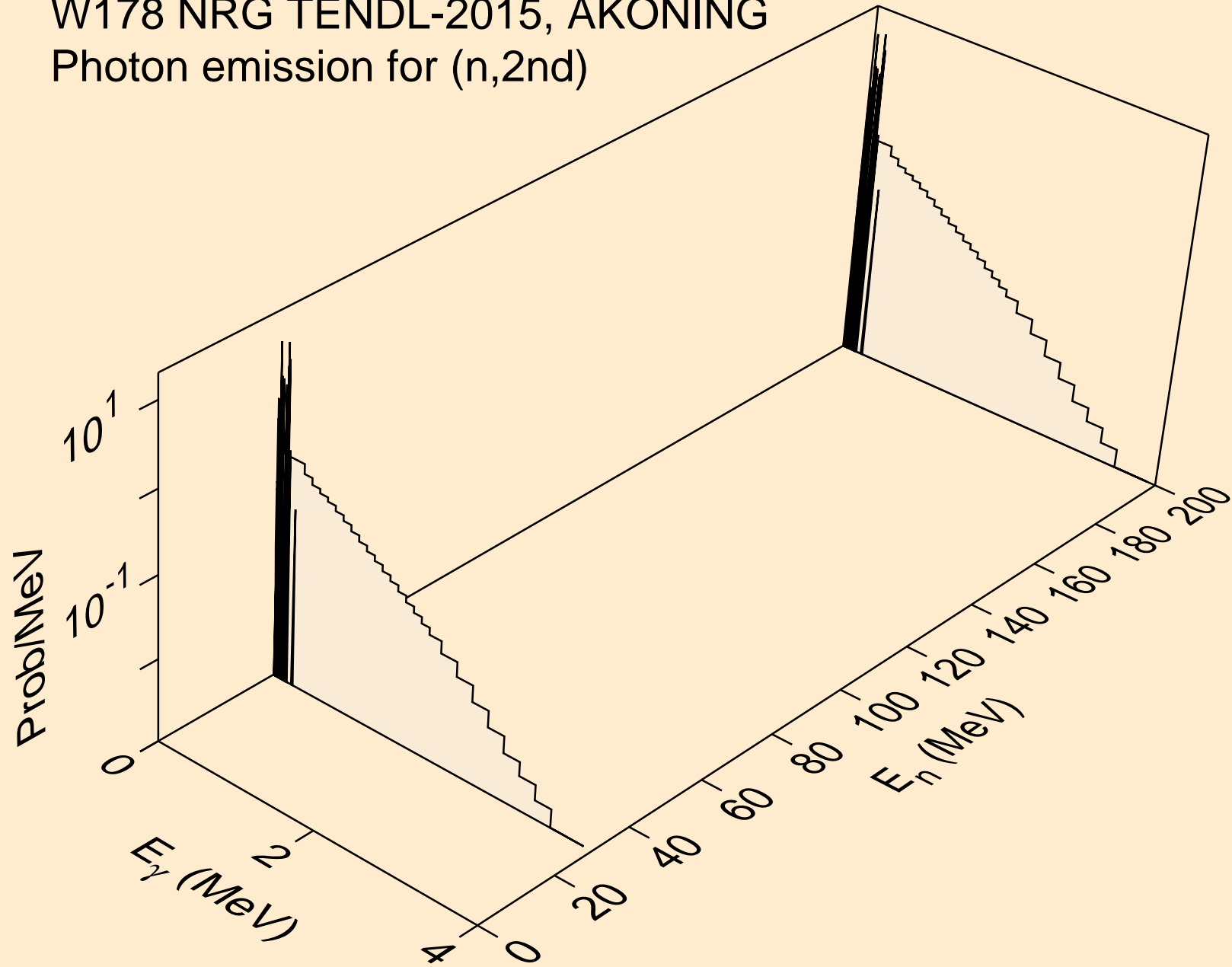
W178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



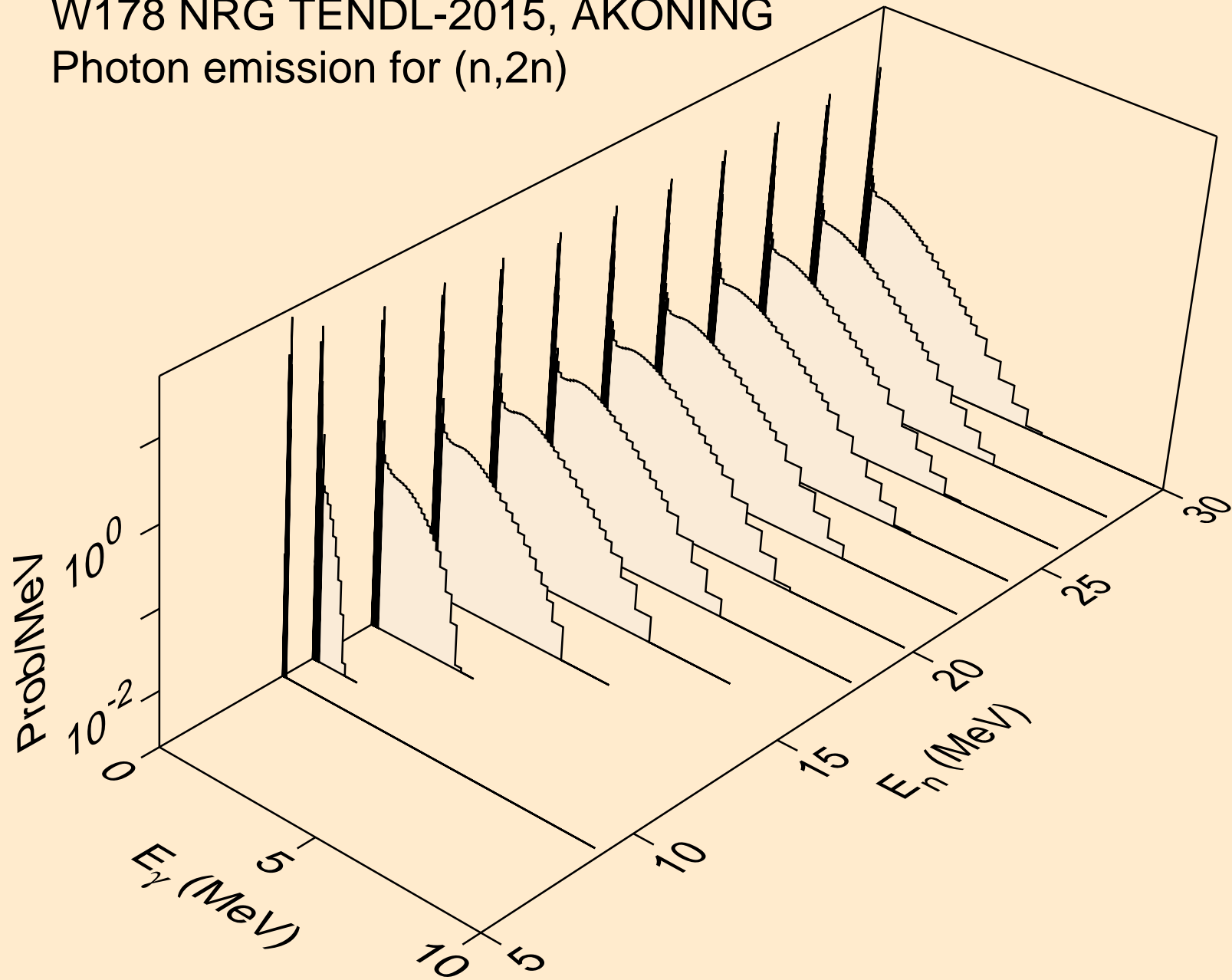
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

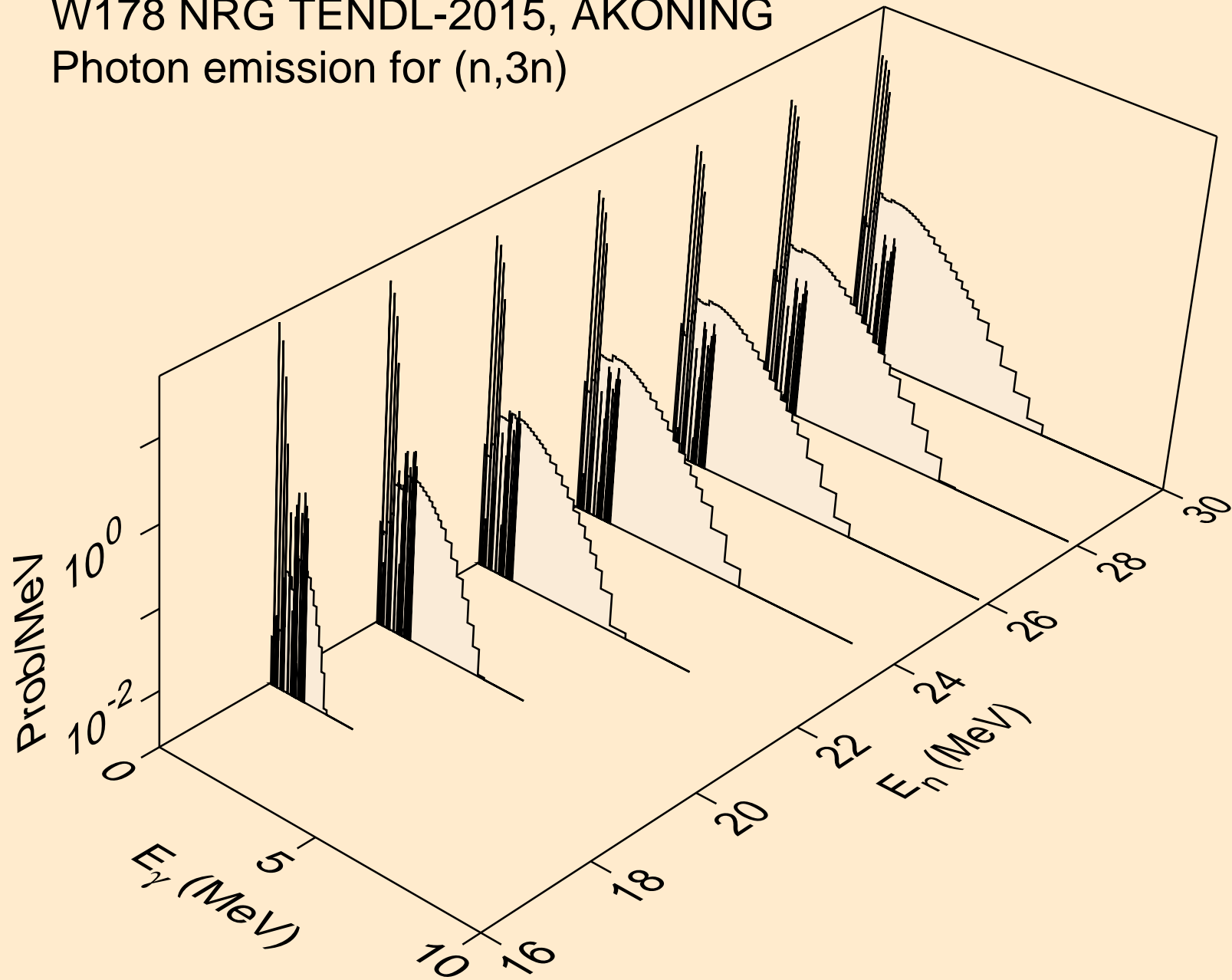


W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

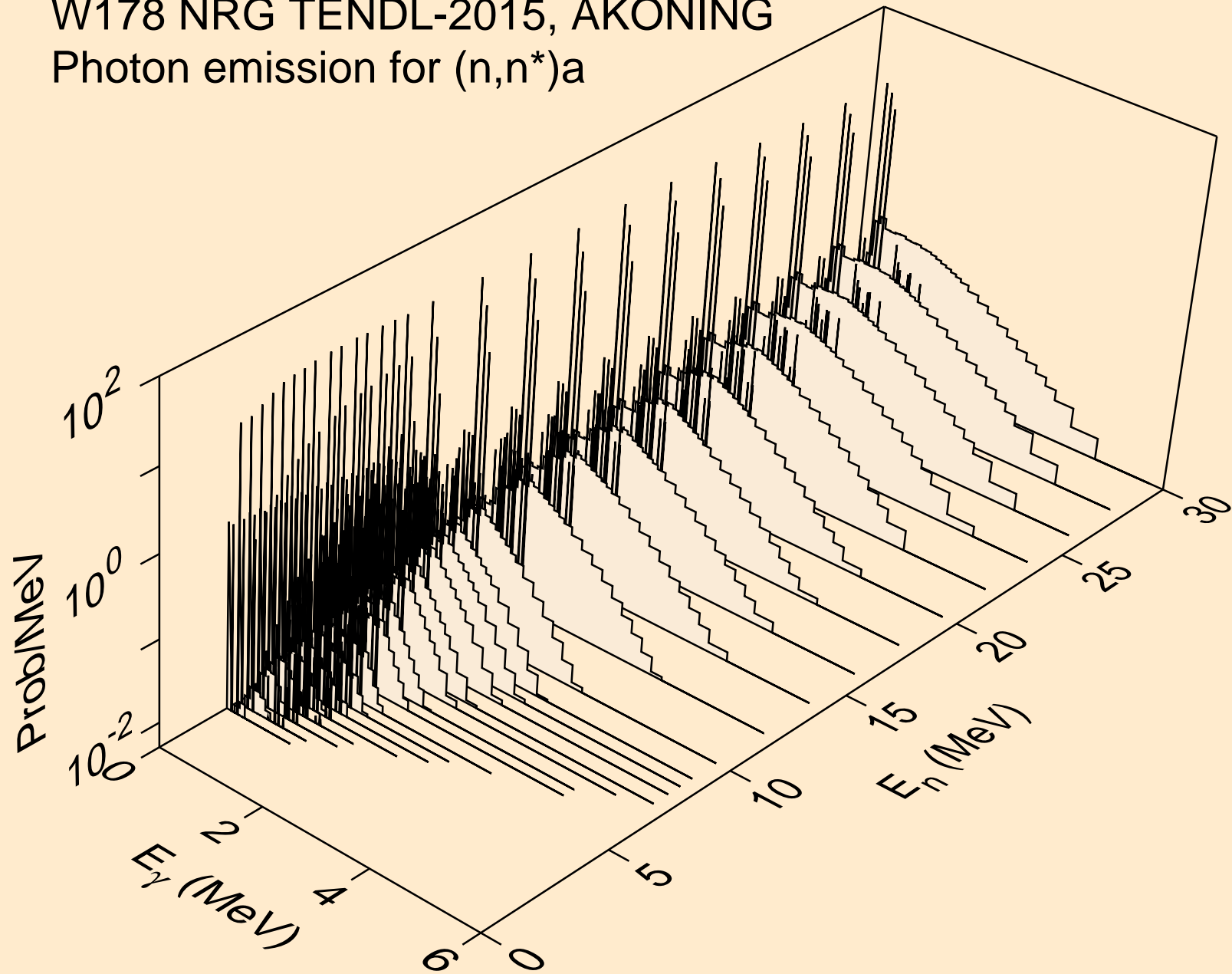




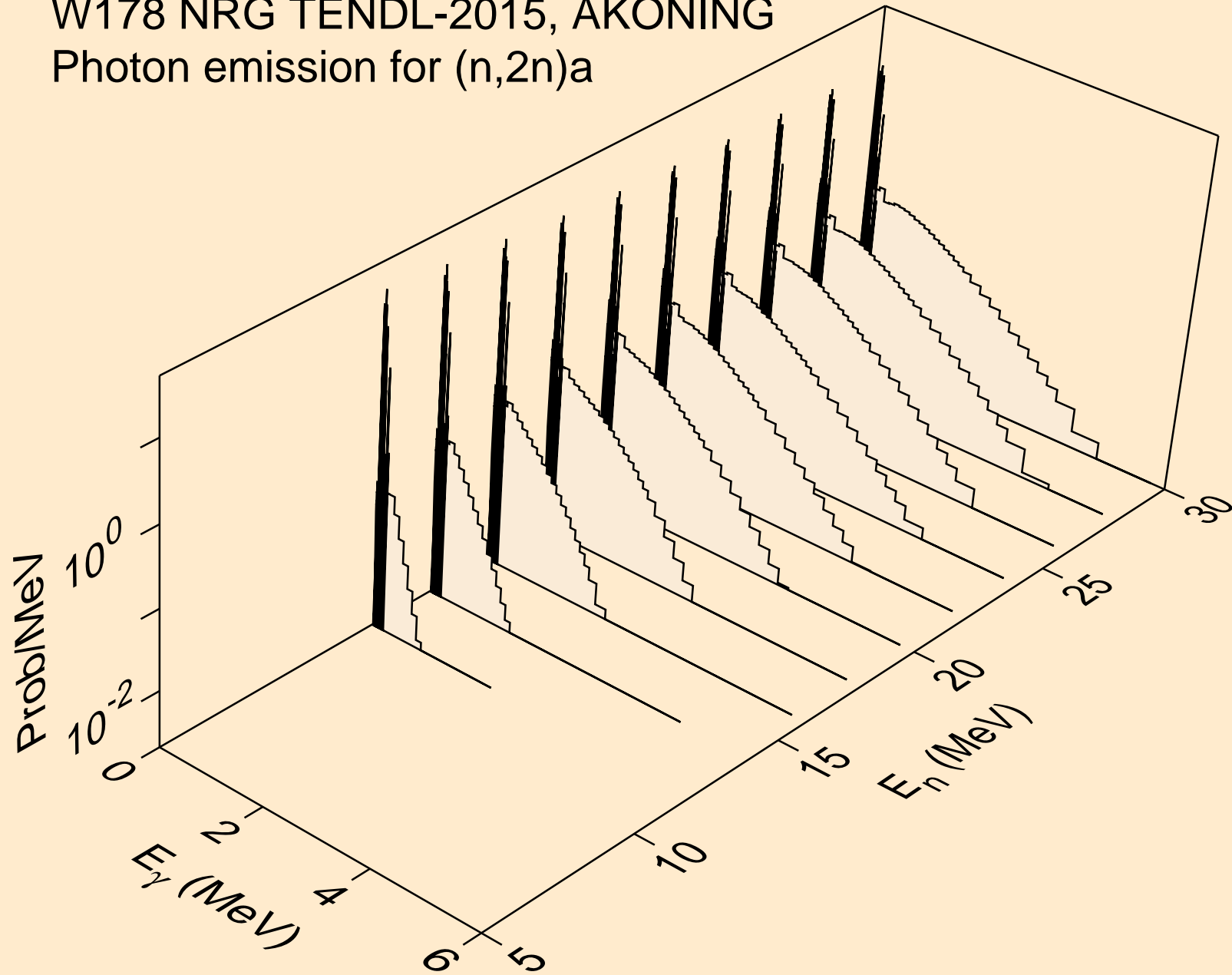
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



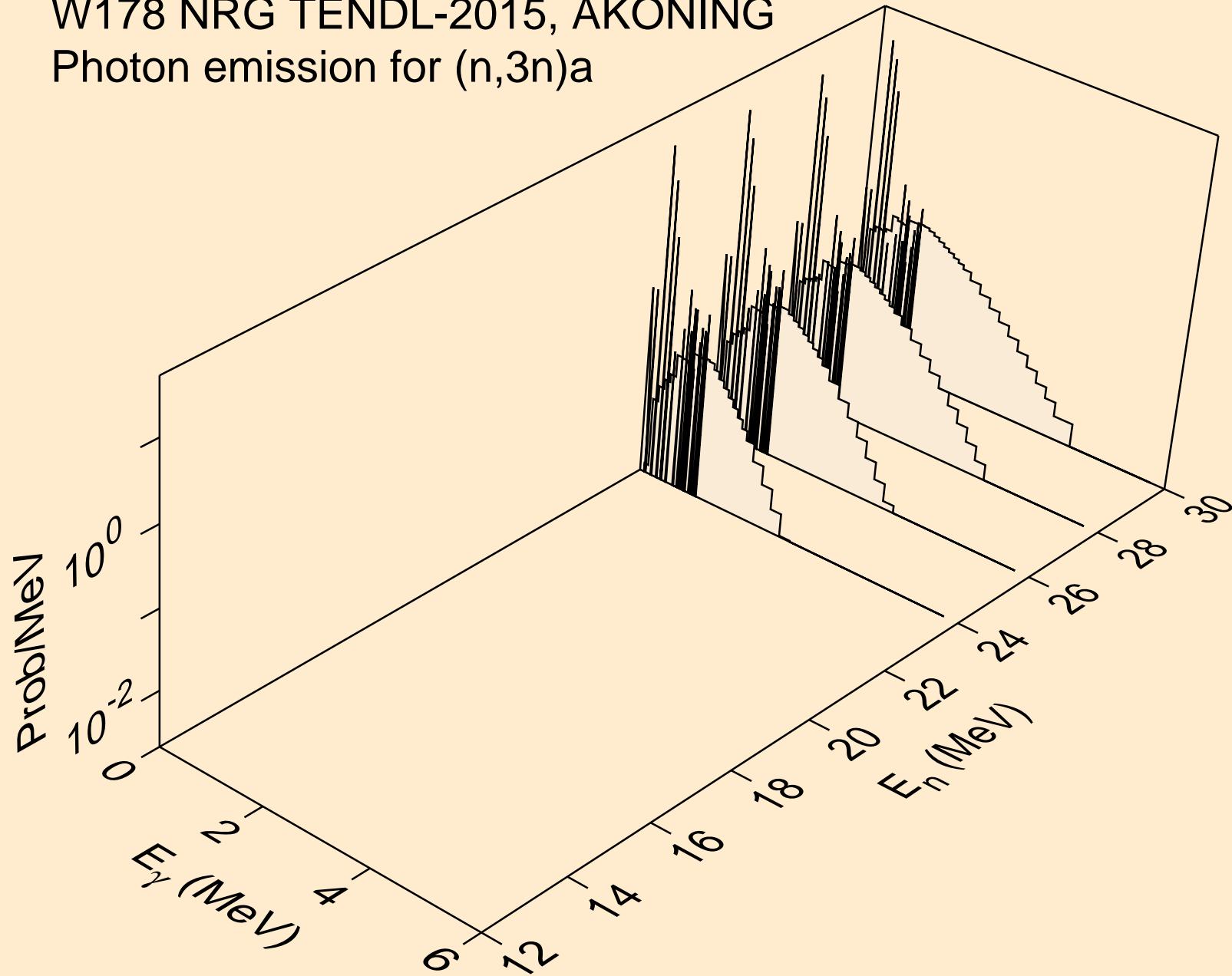
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



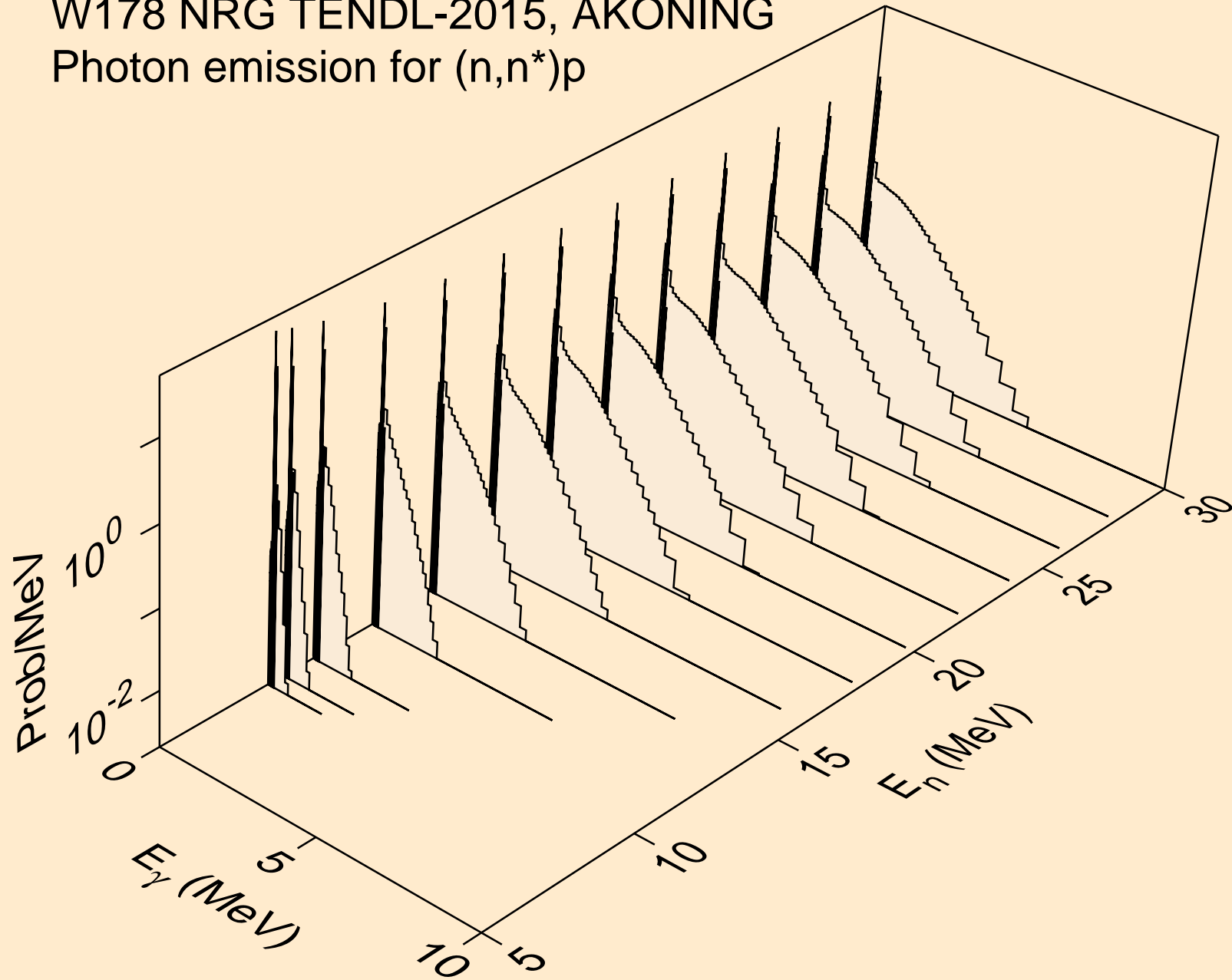
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



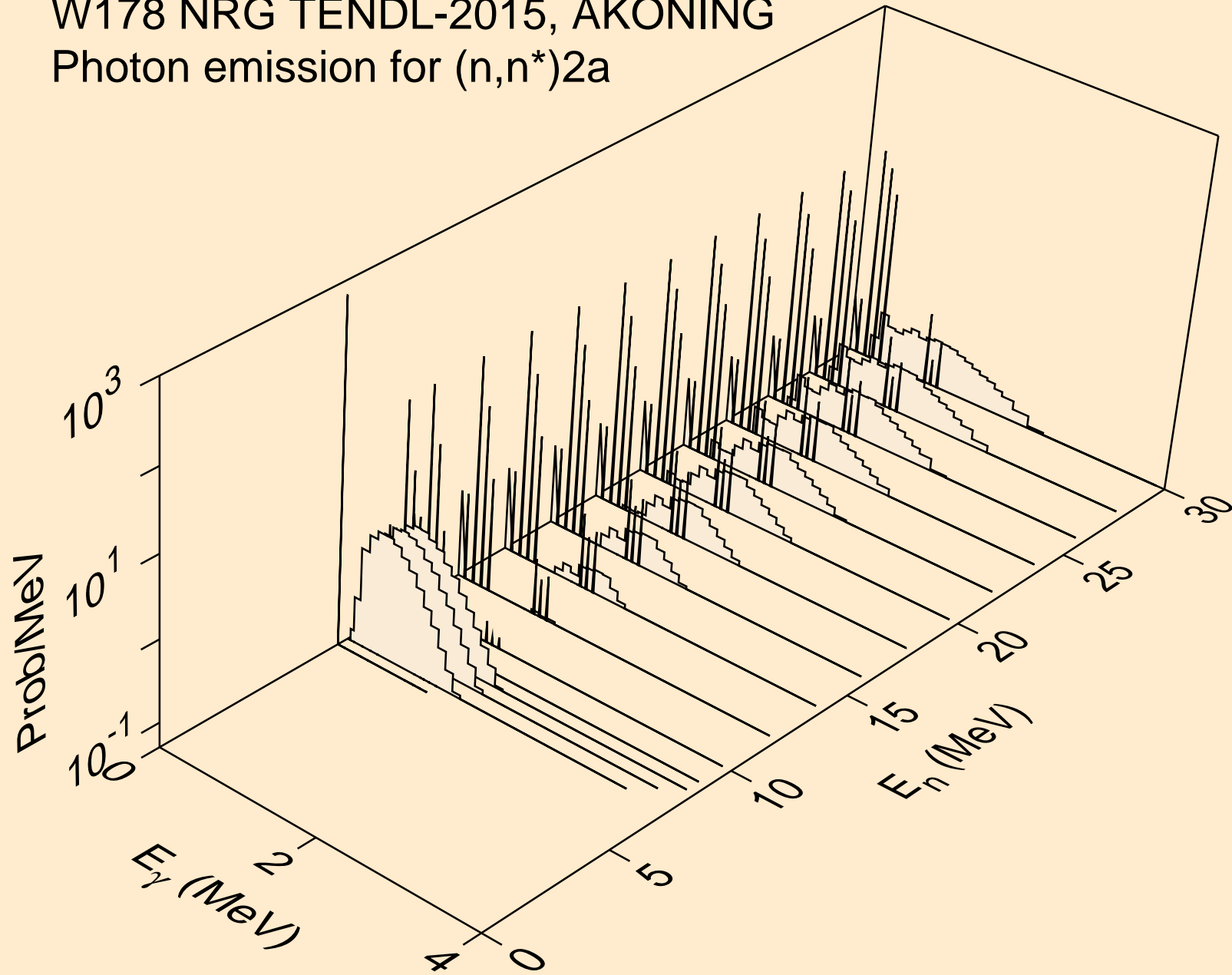
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



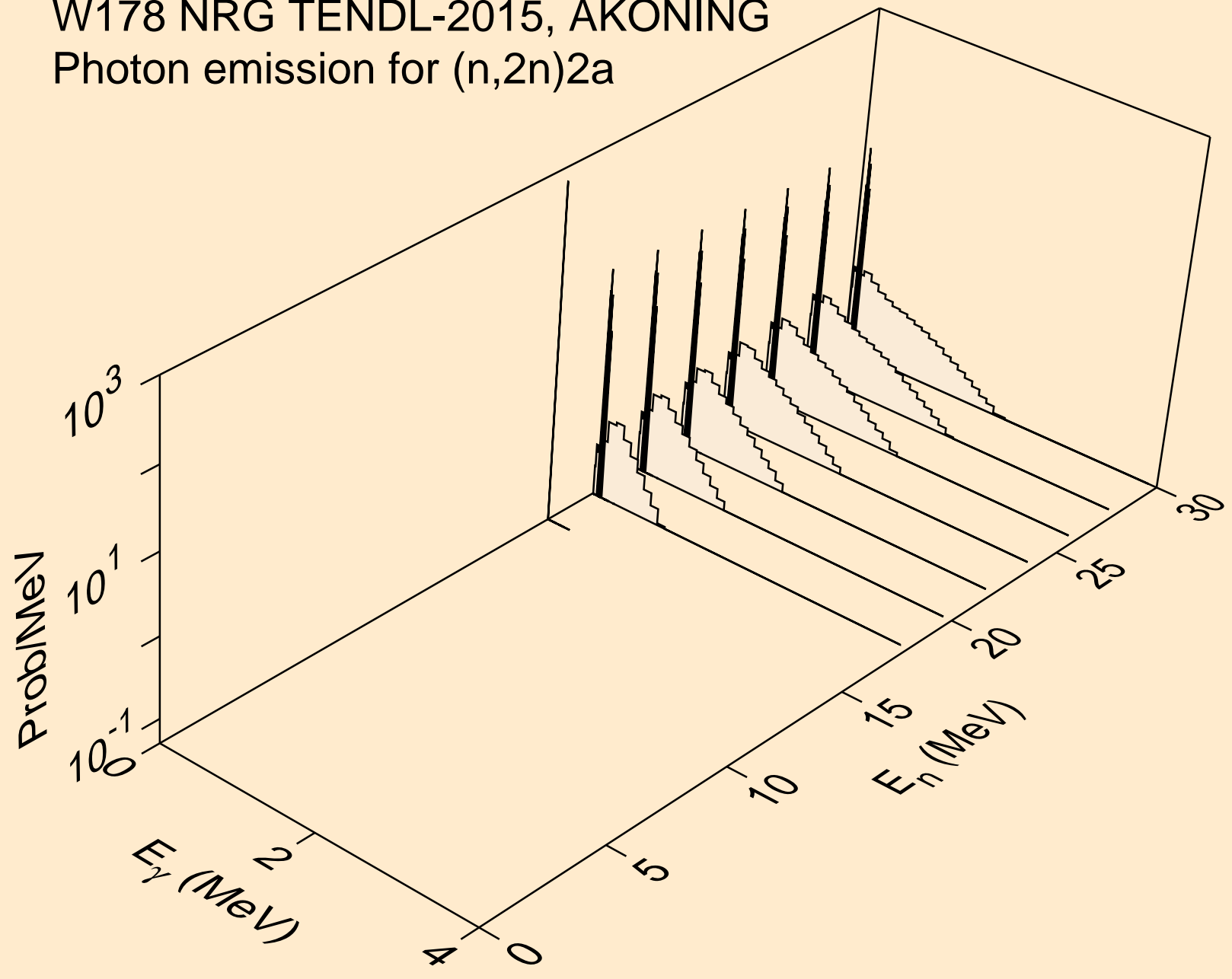
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



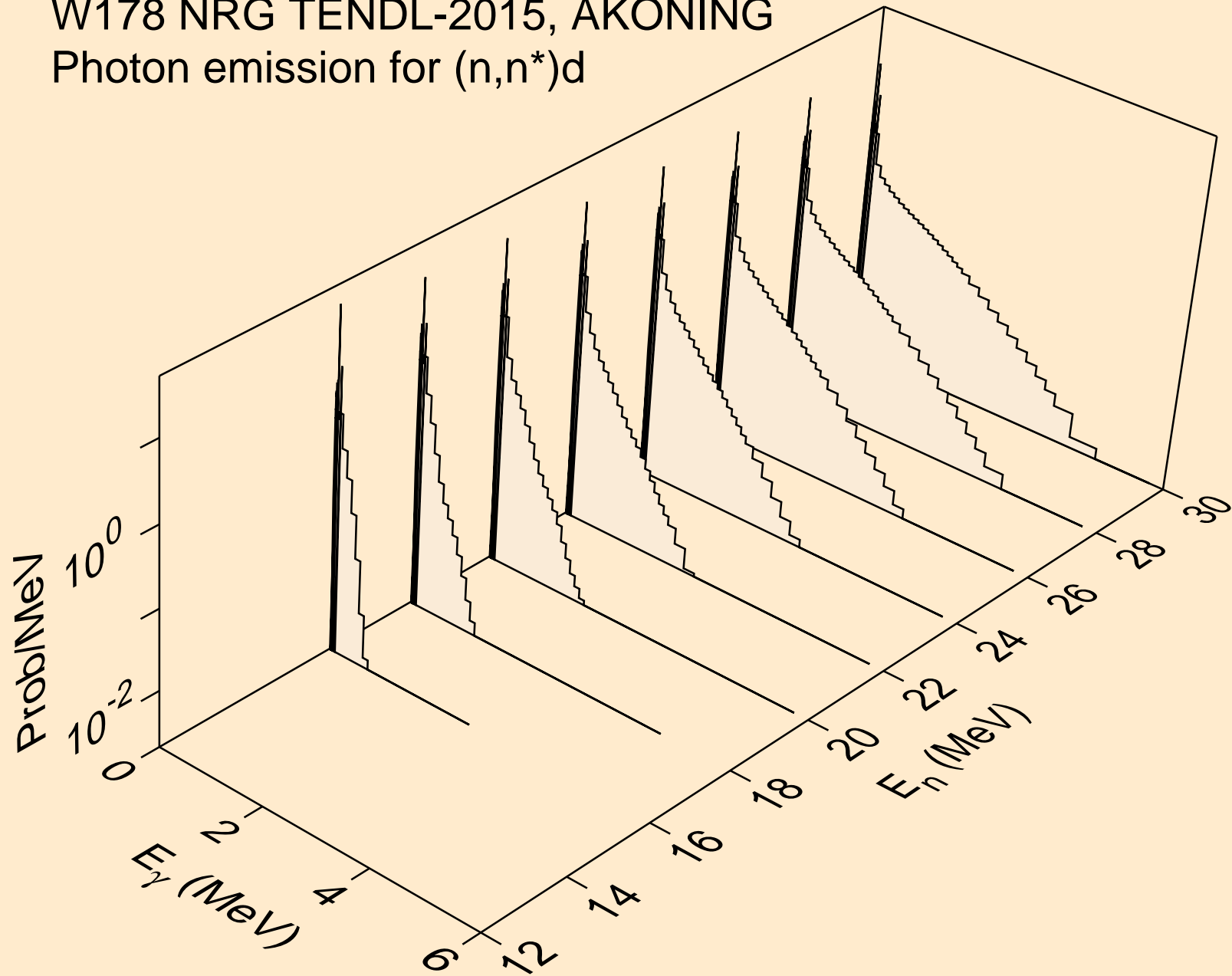
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

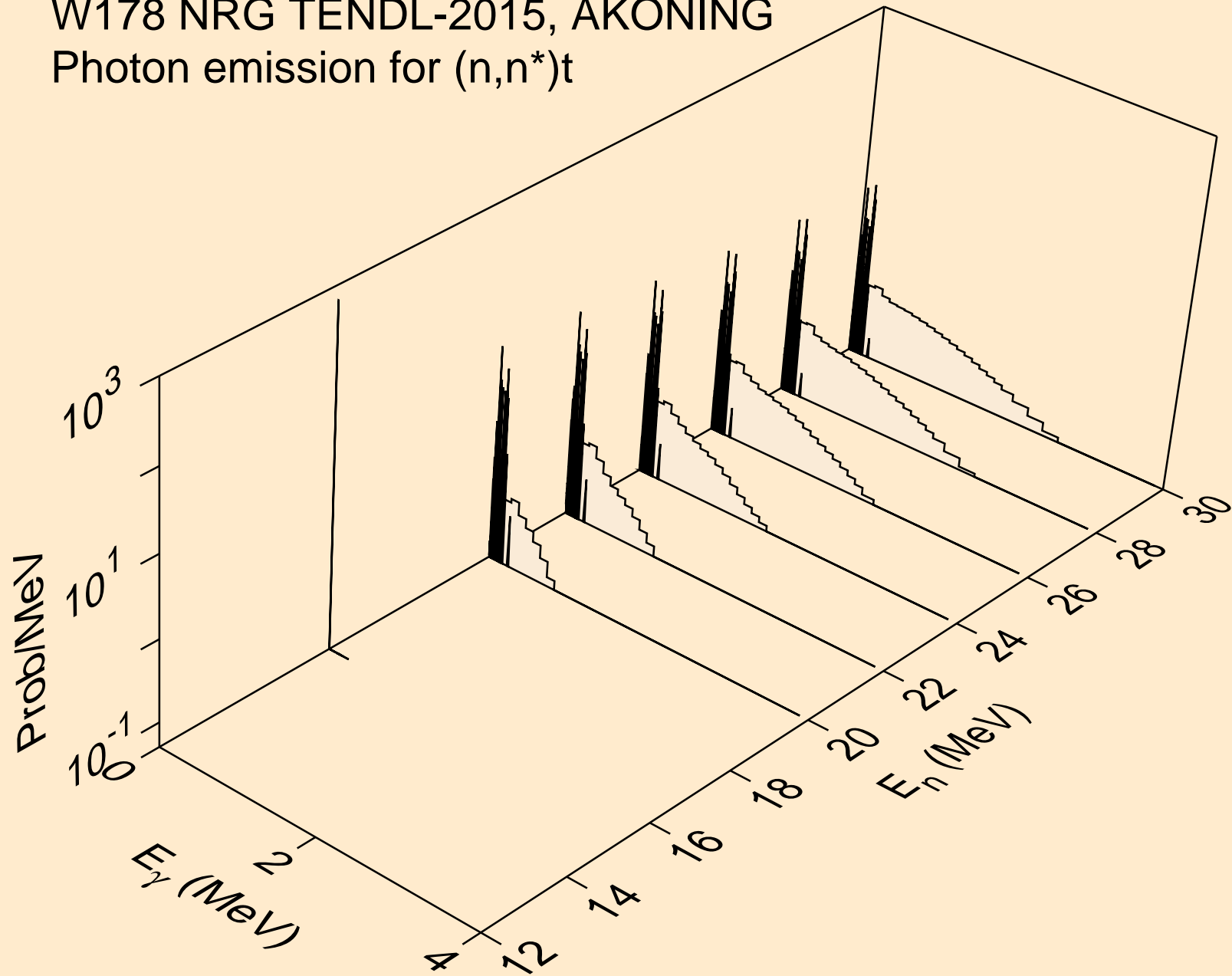


W178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

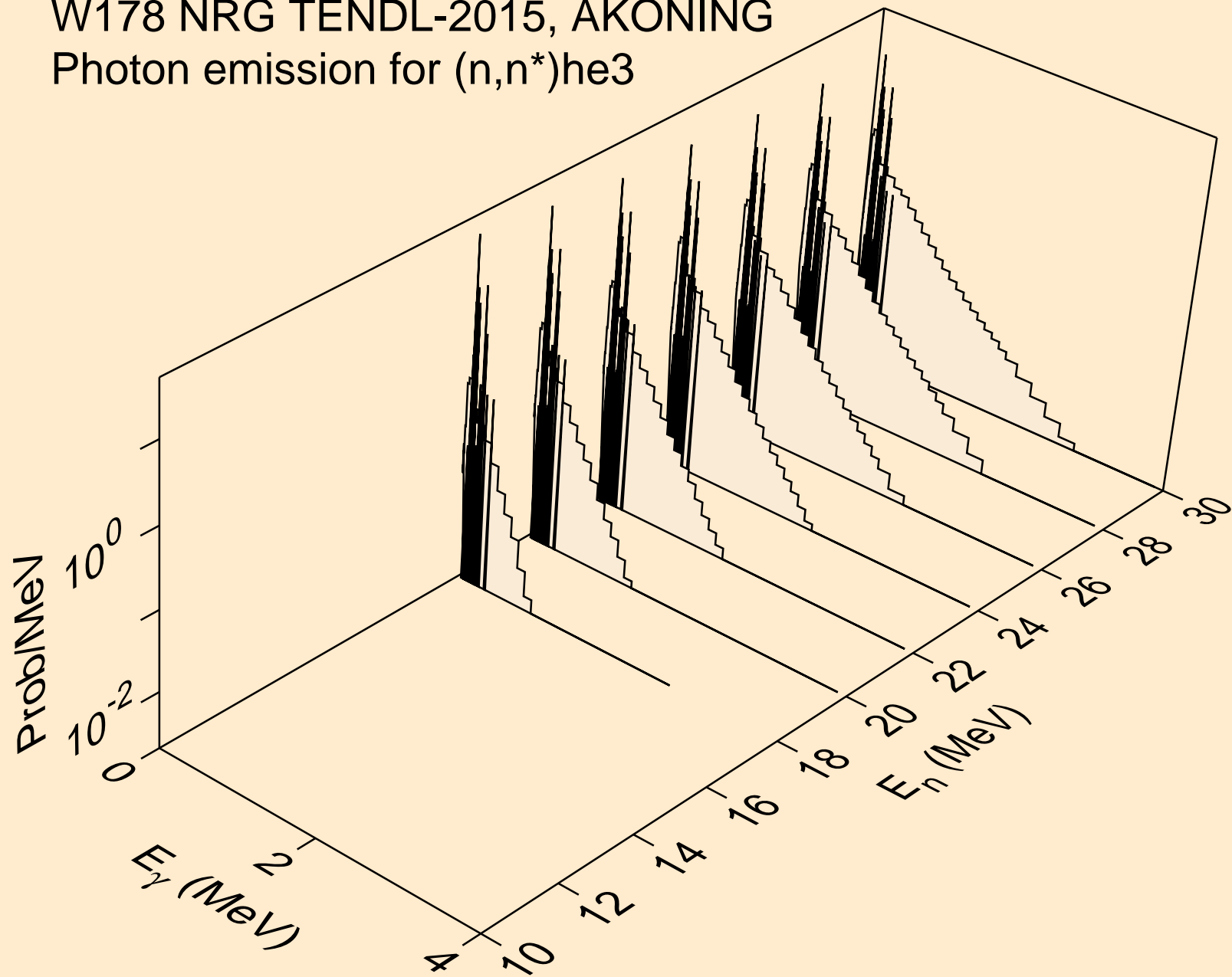




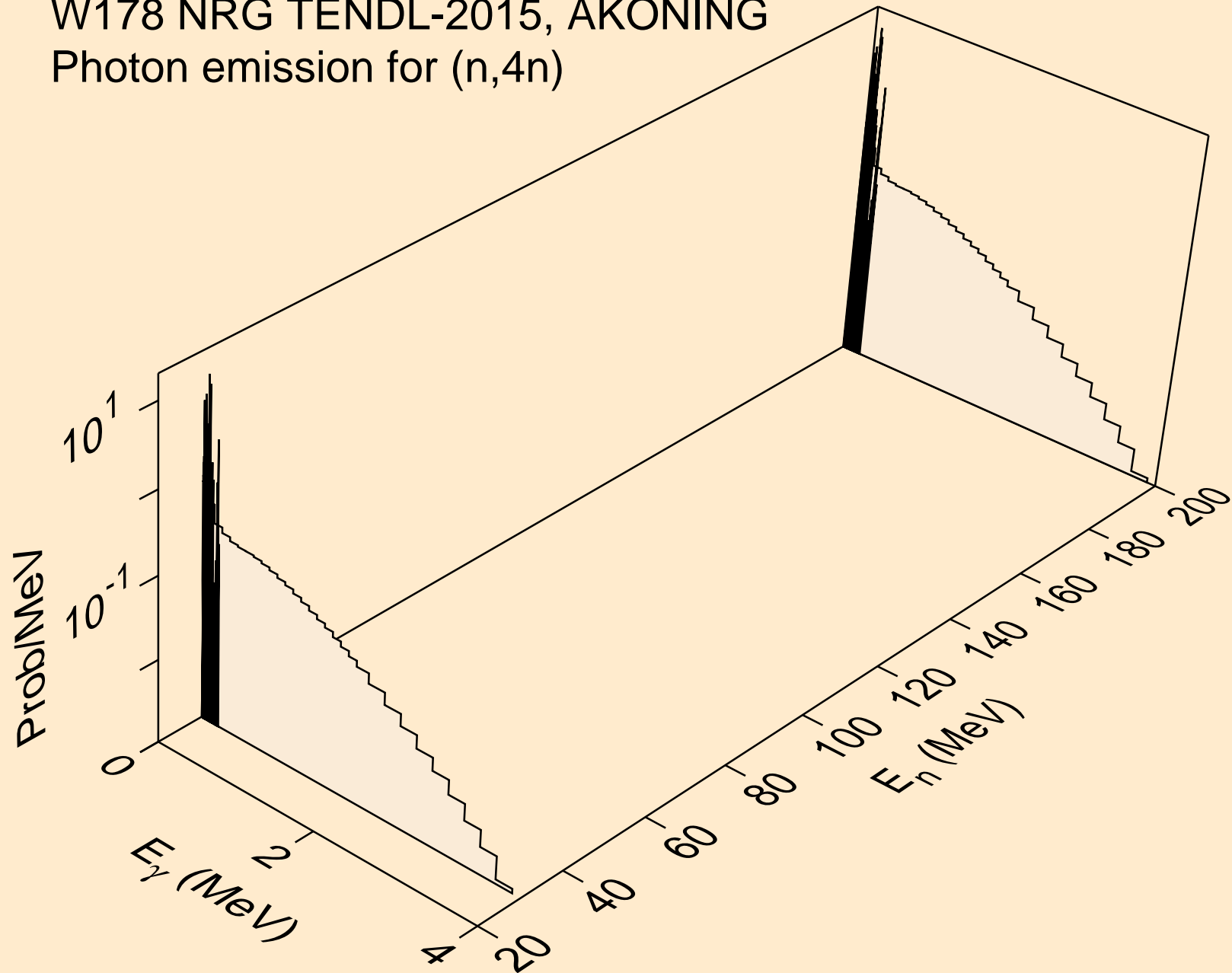
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



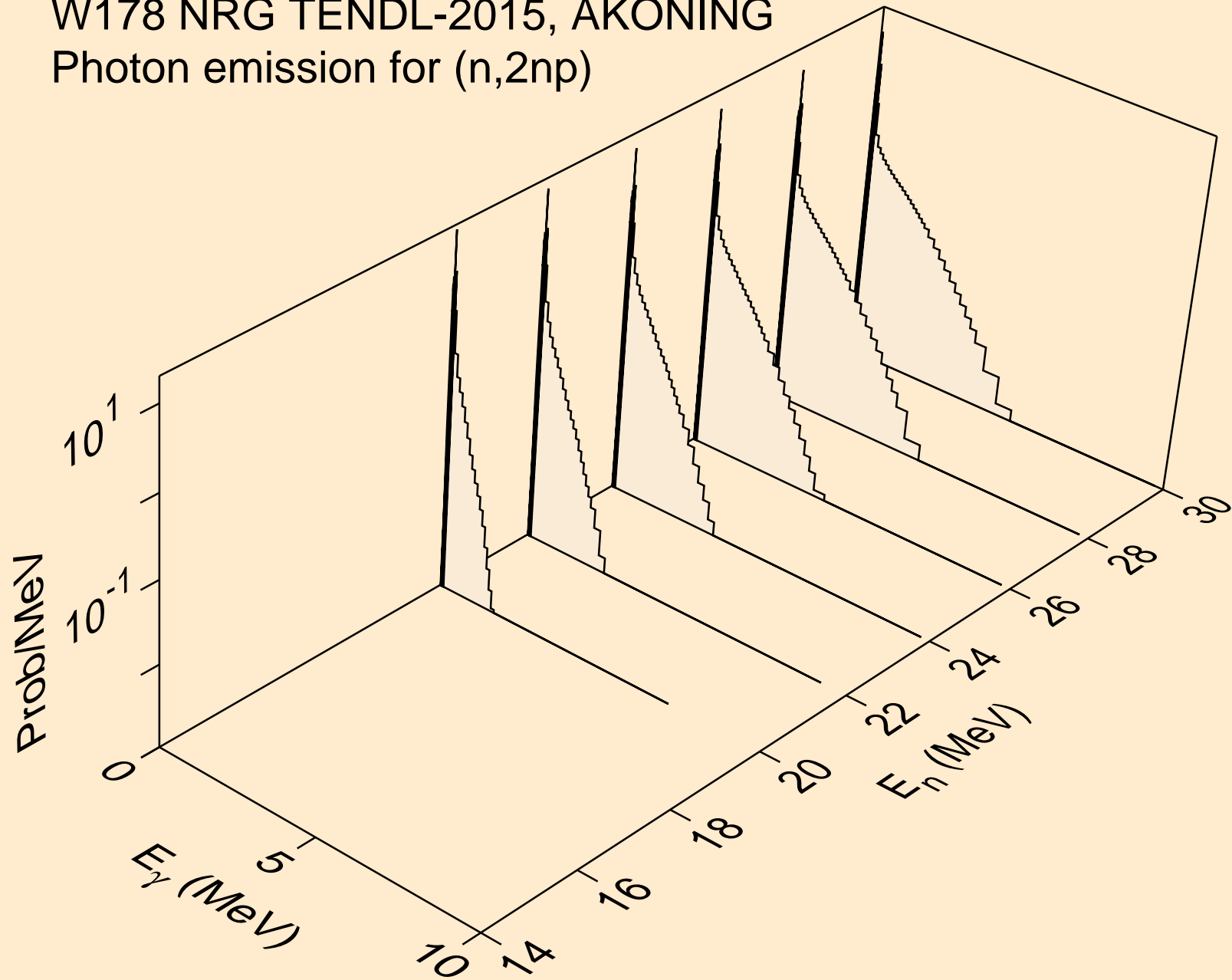
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



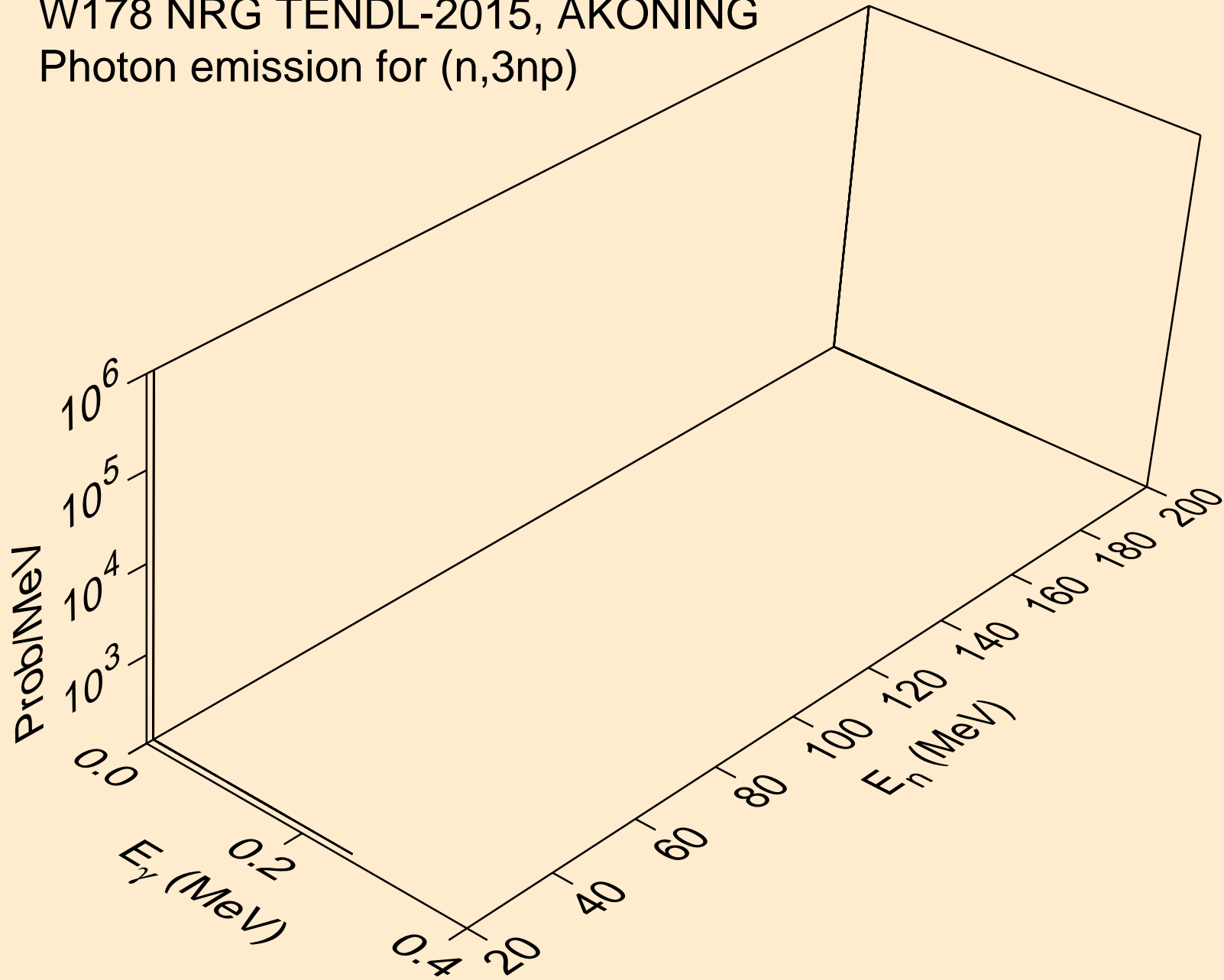
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



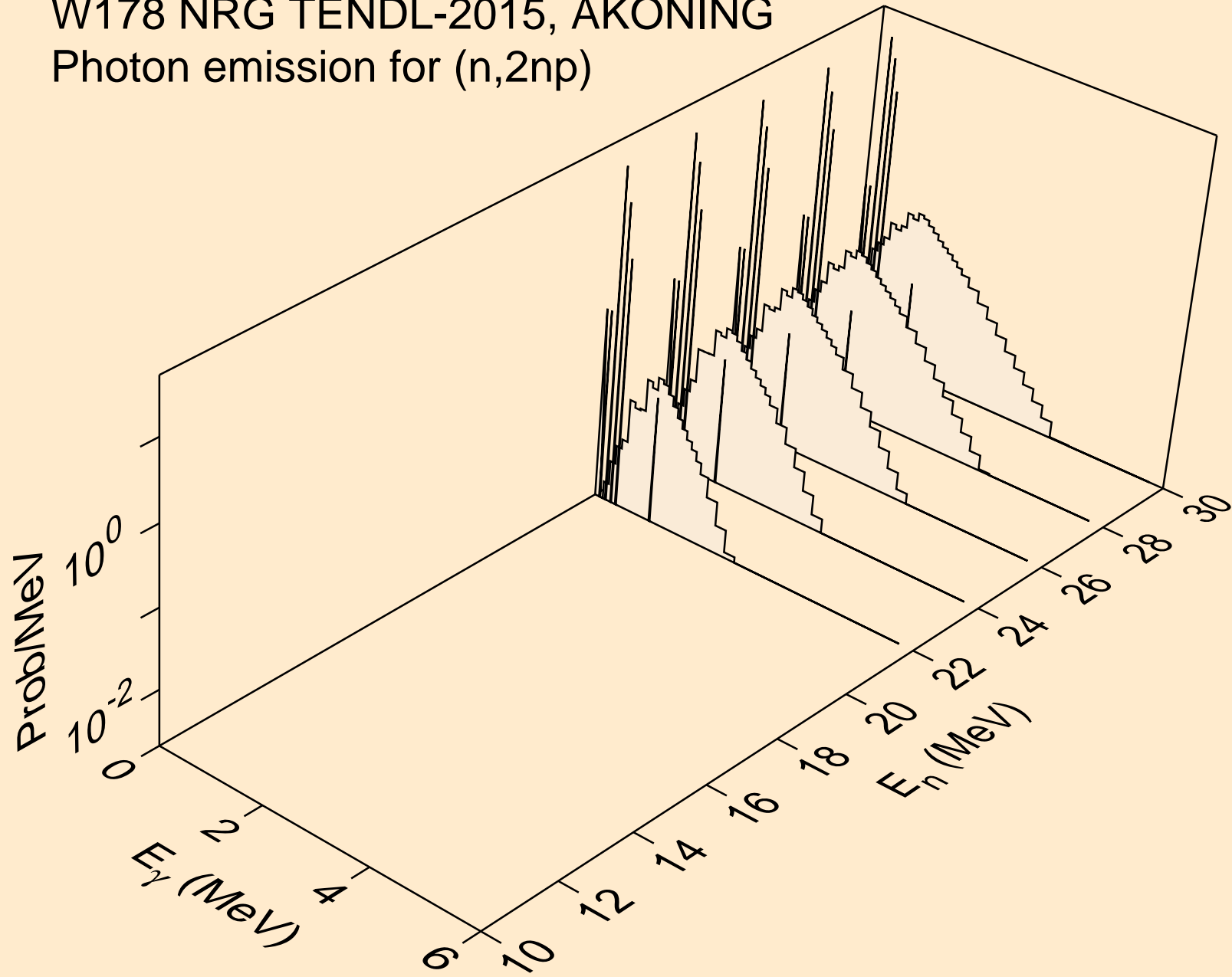
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



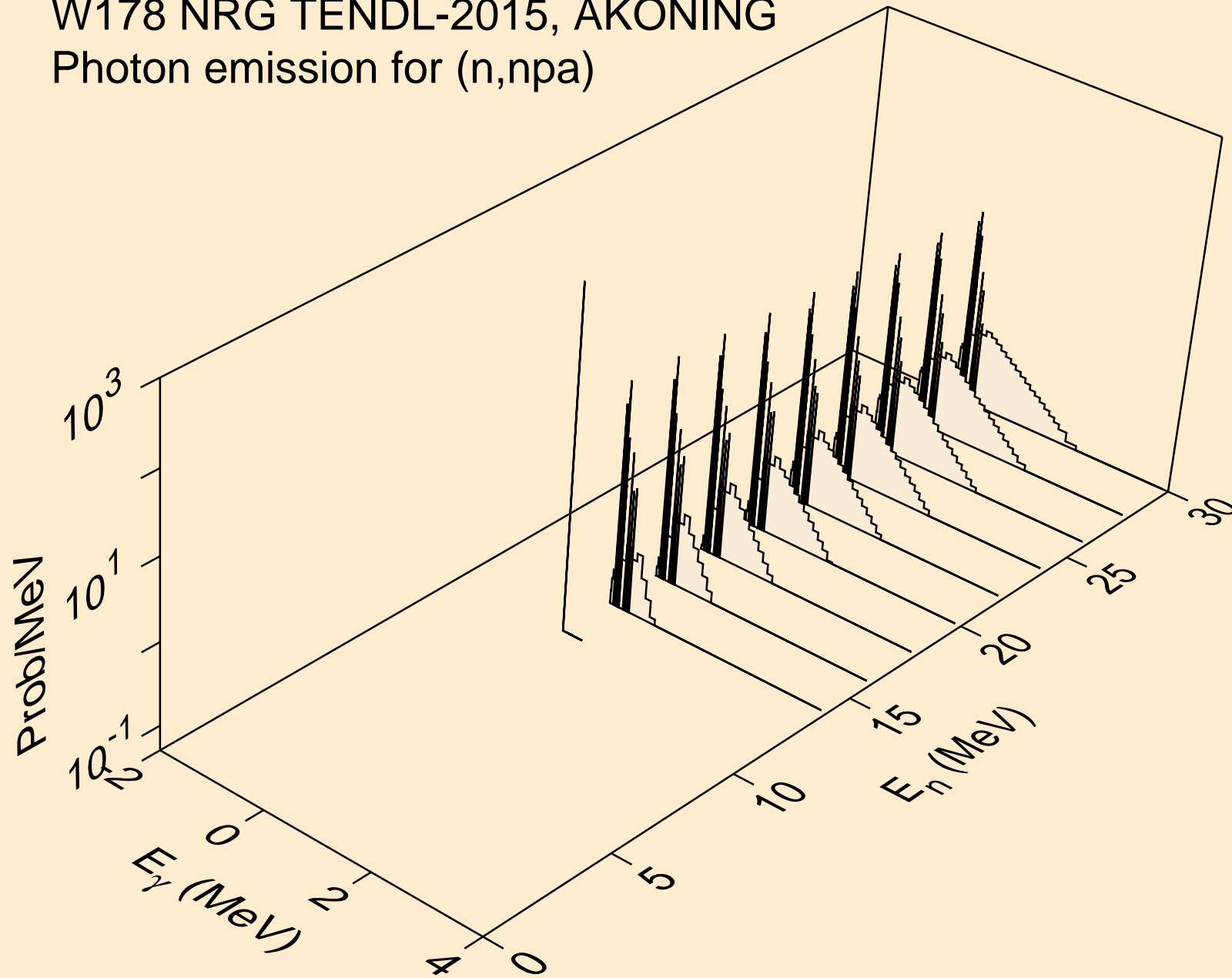
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



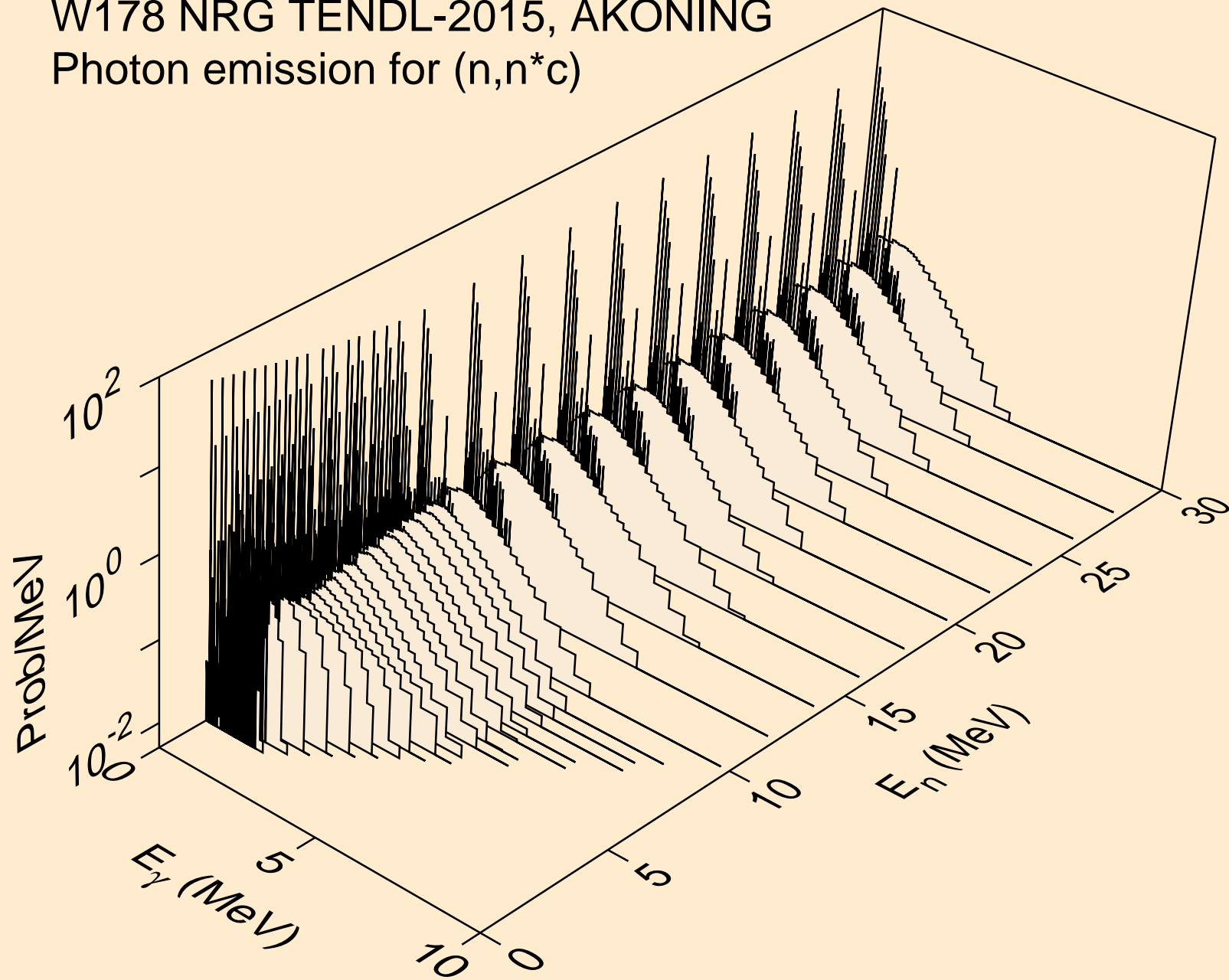
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



W178 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

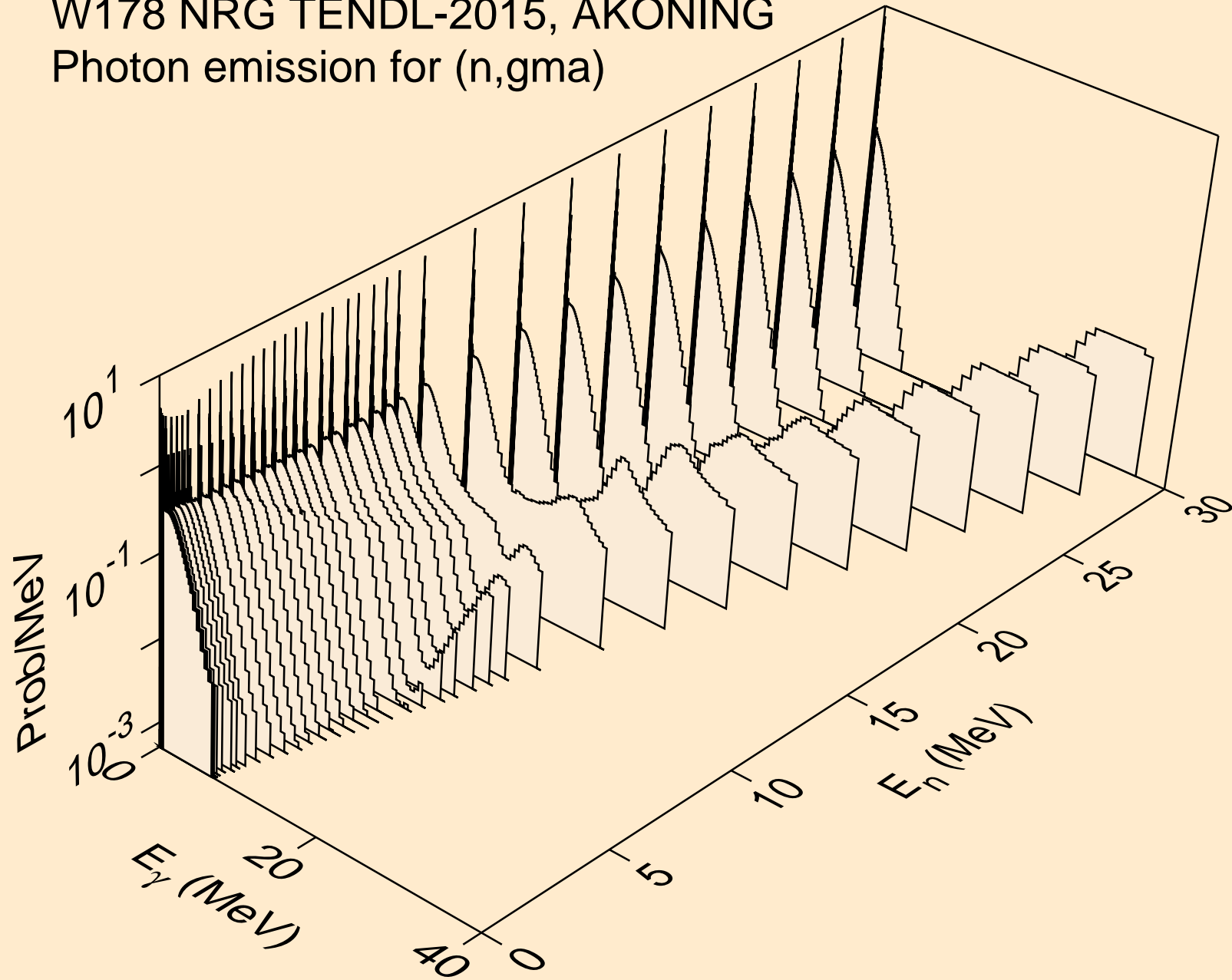


W178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

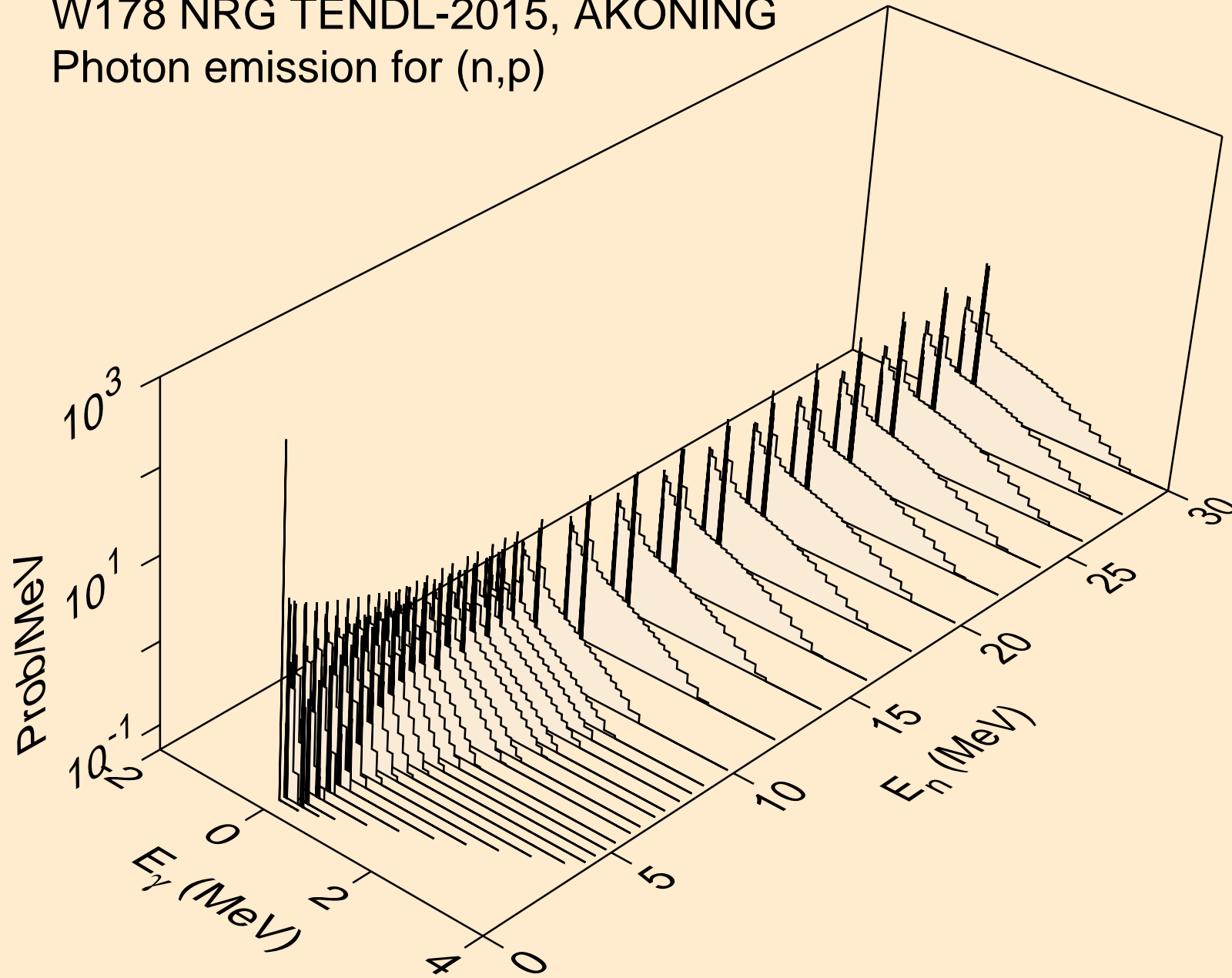




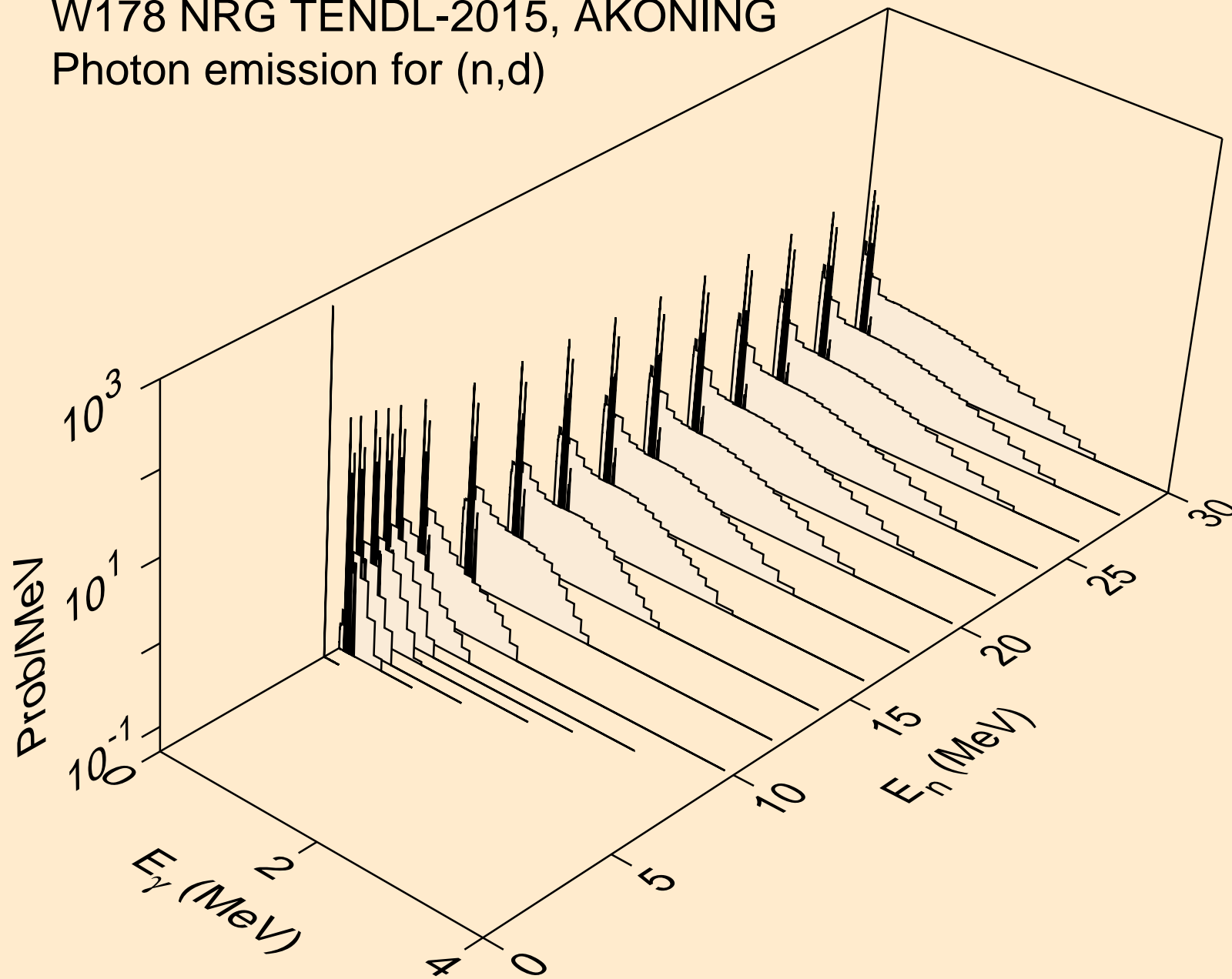
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



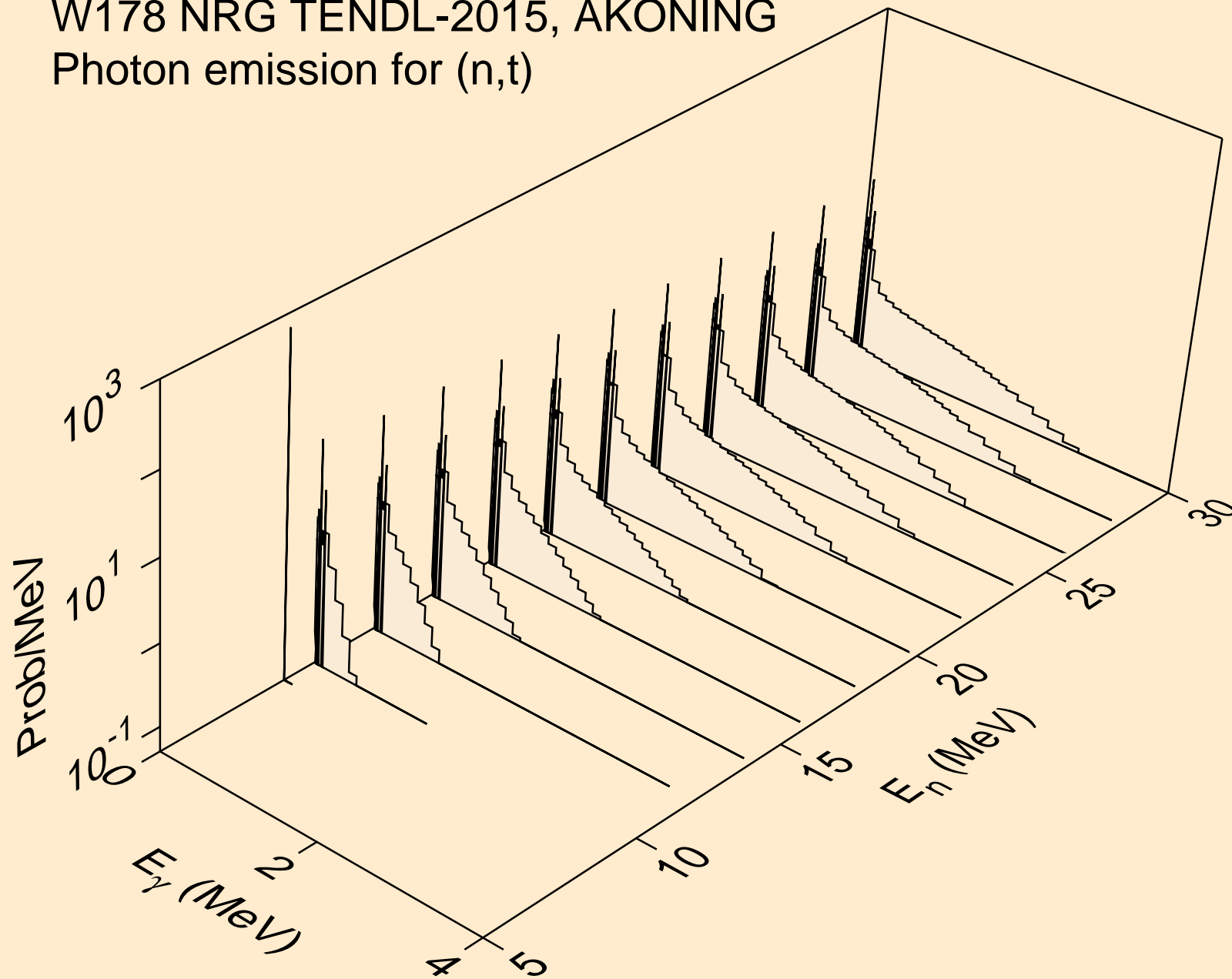
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



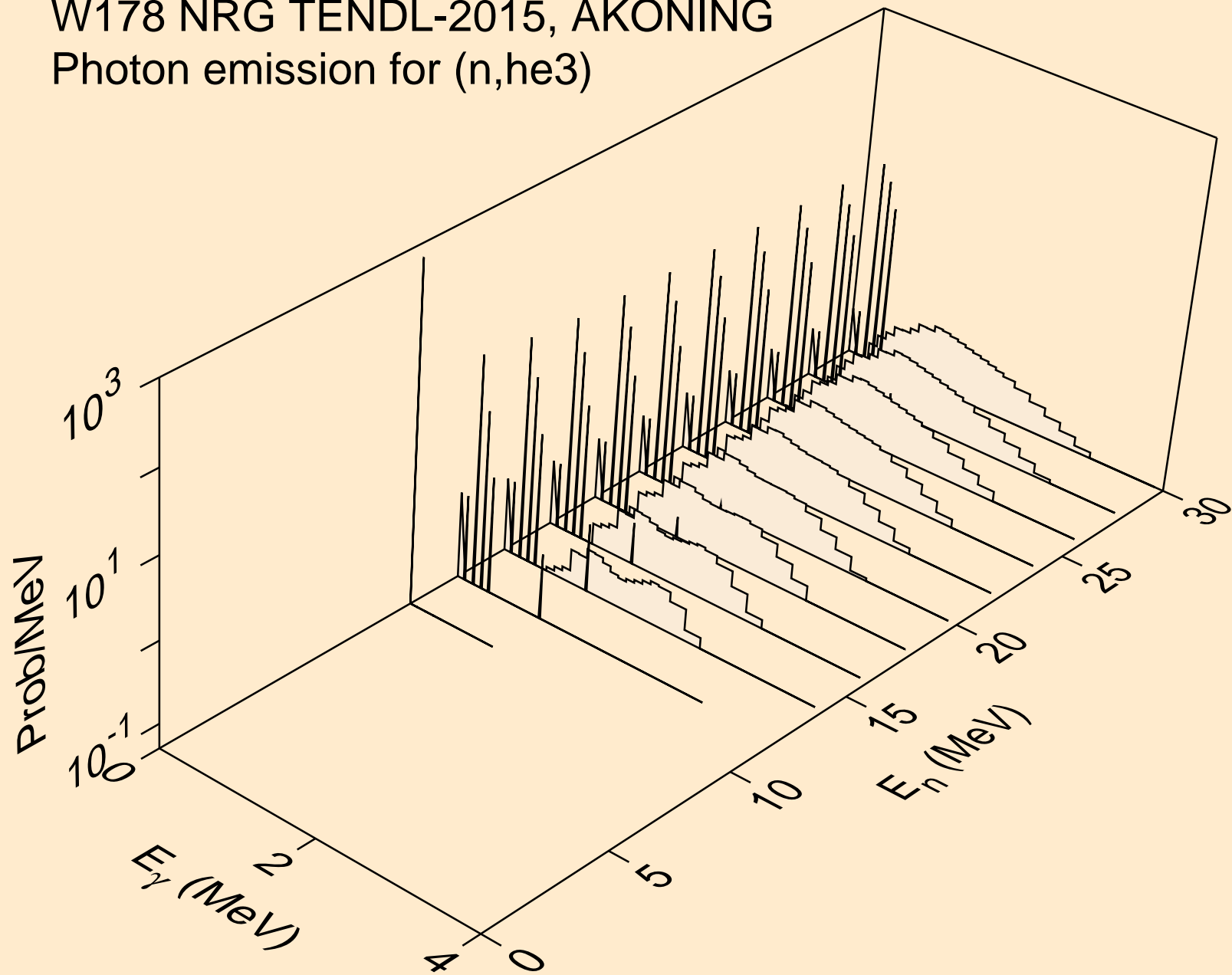
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



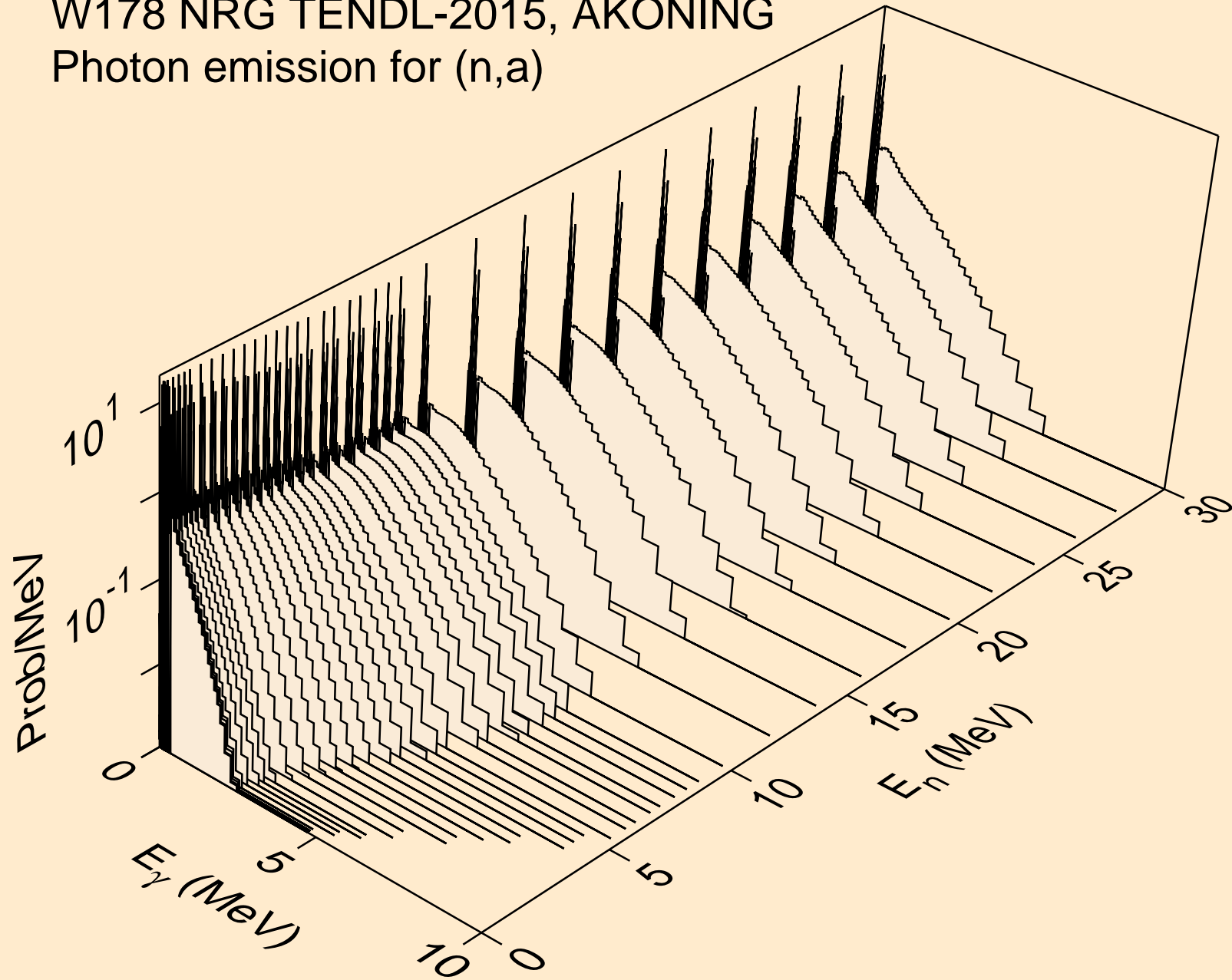
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



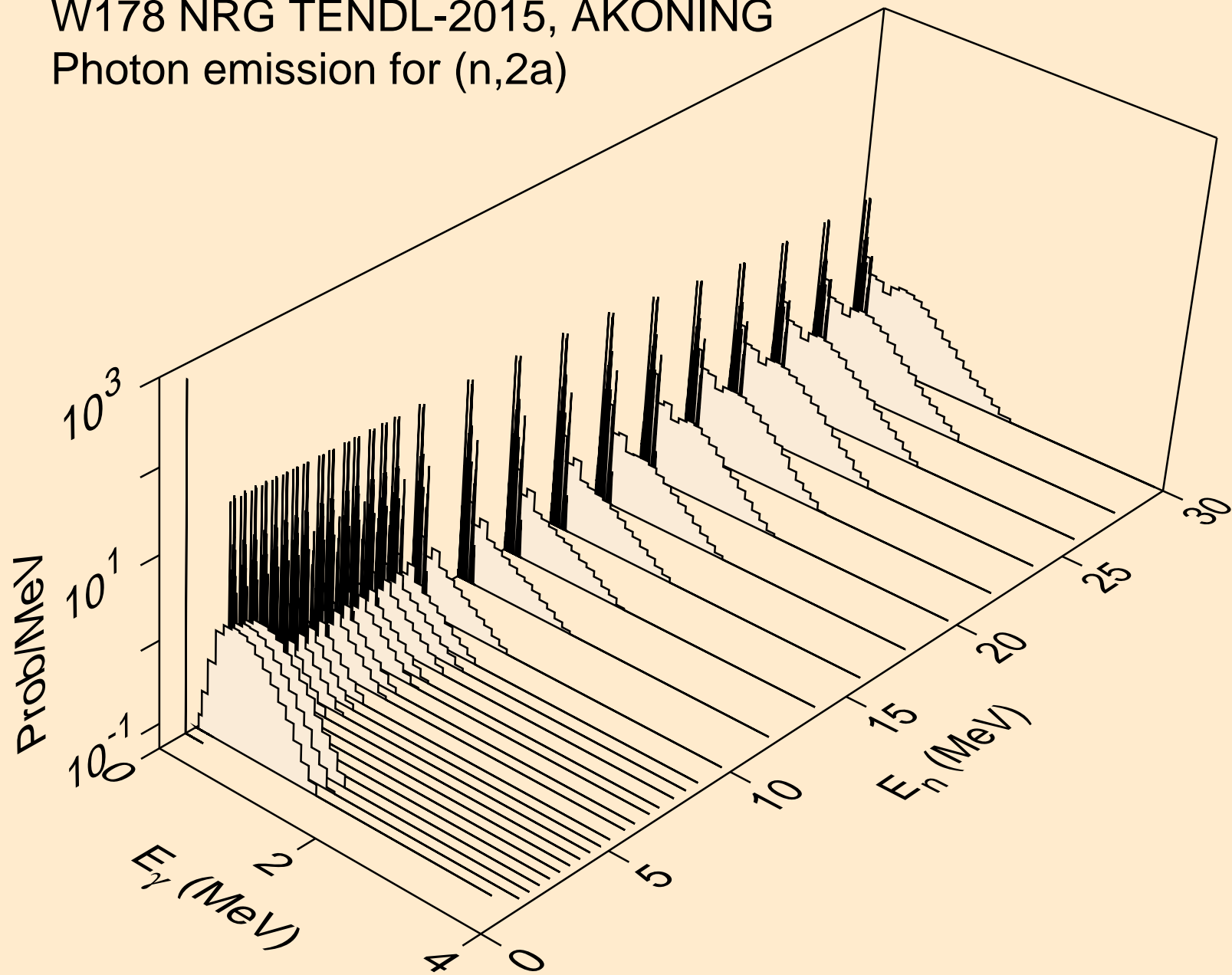
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



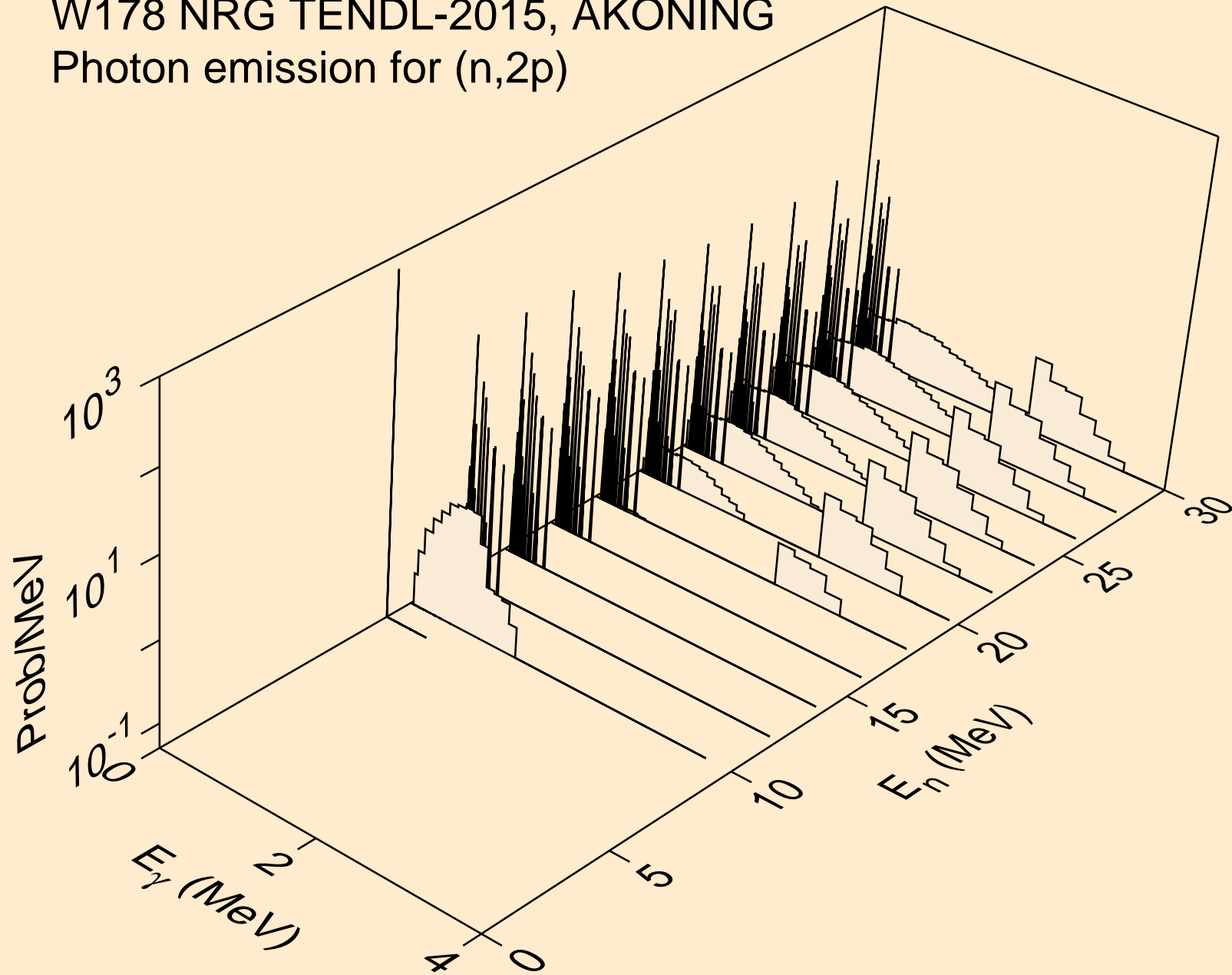
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

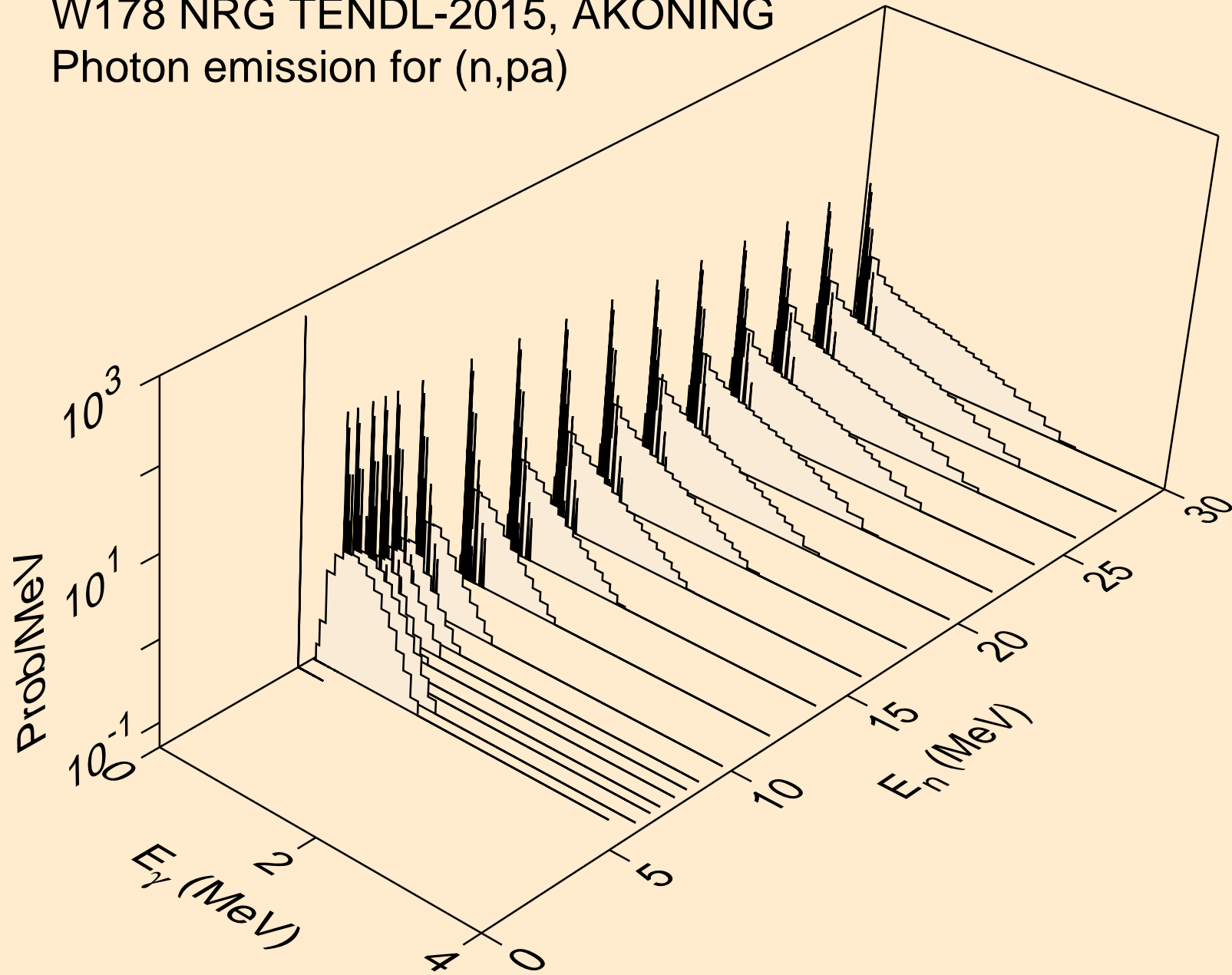


W178 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

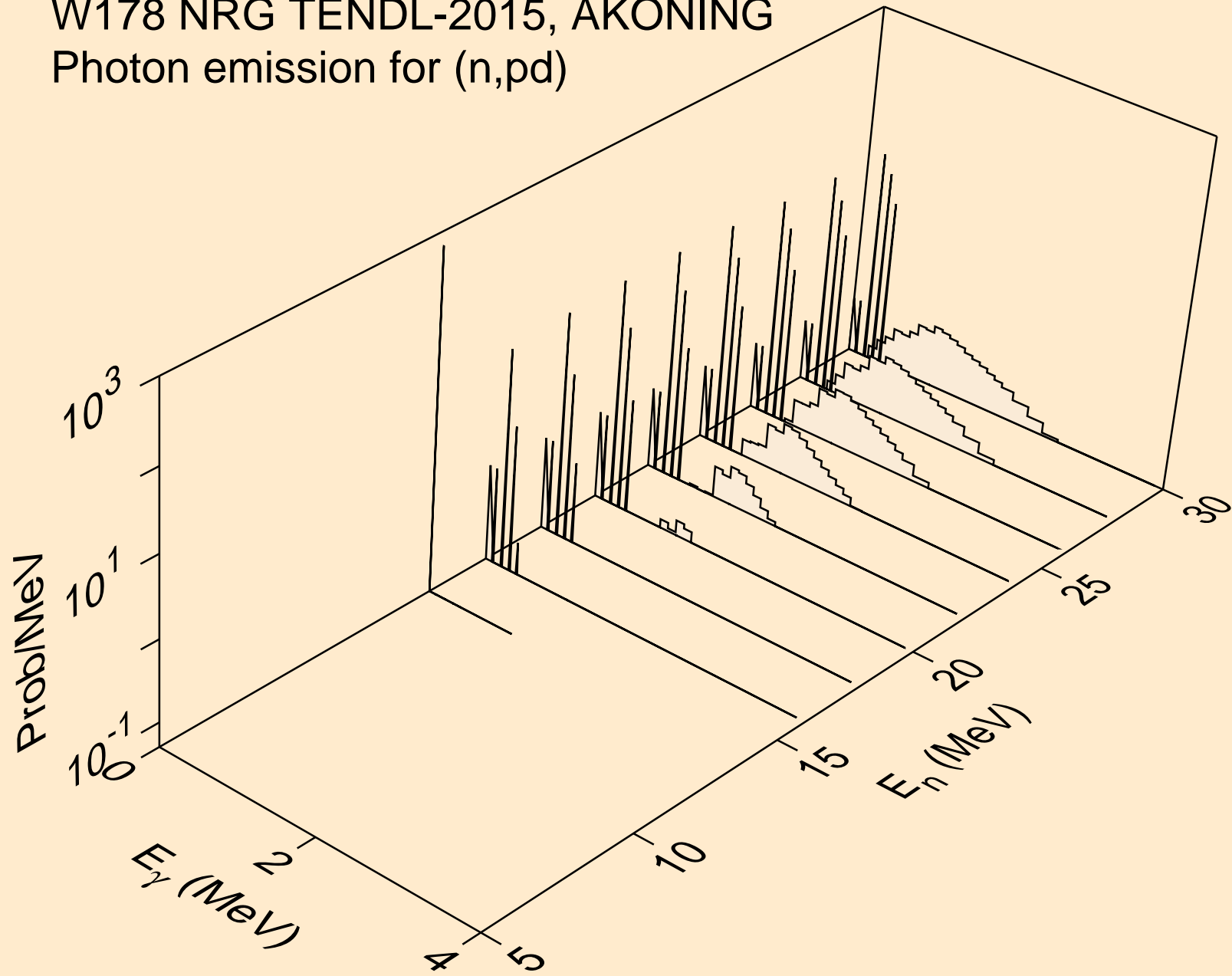




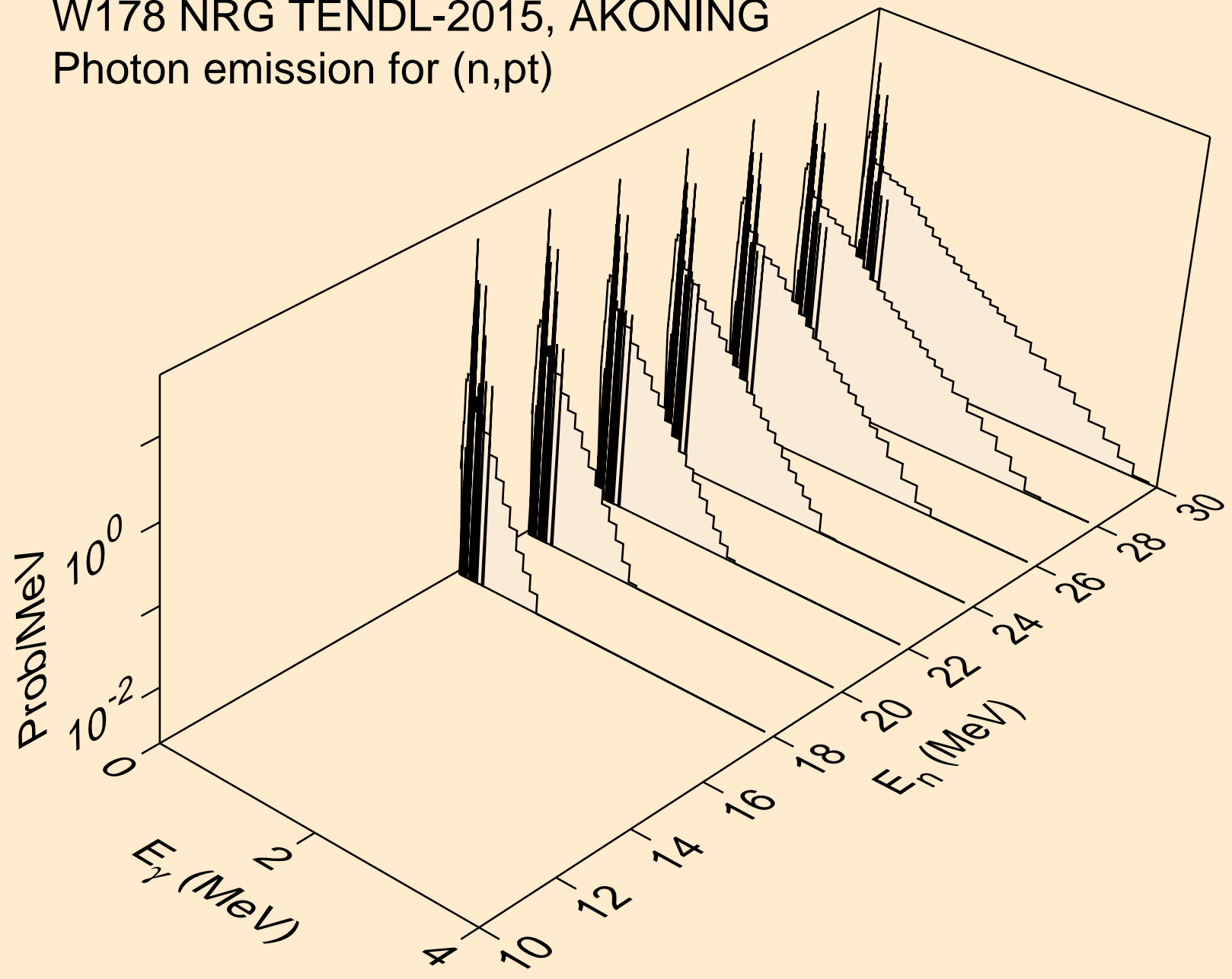
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



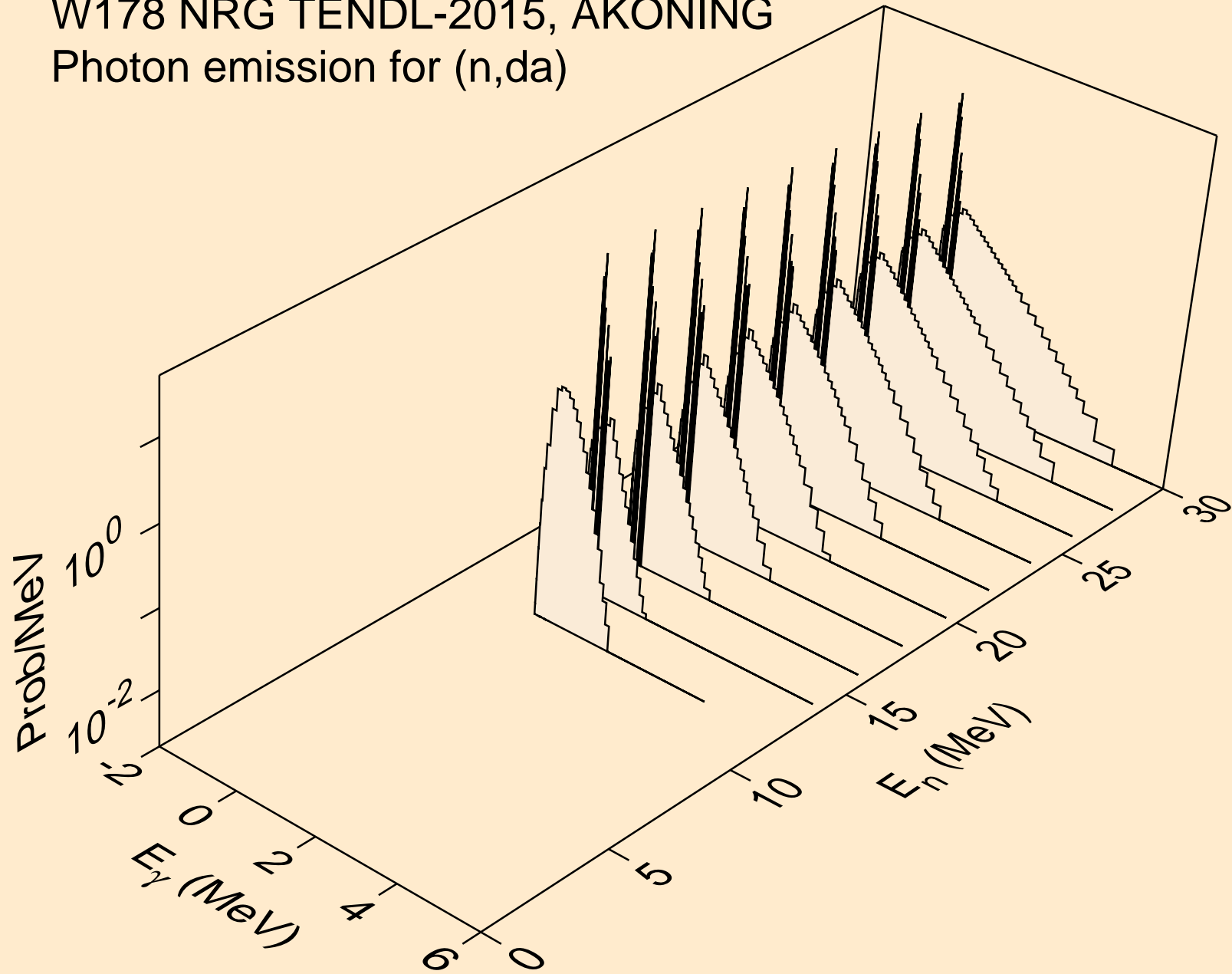
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



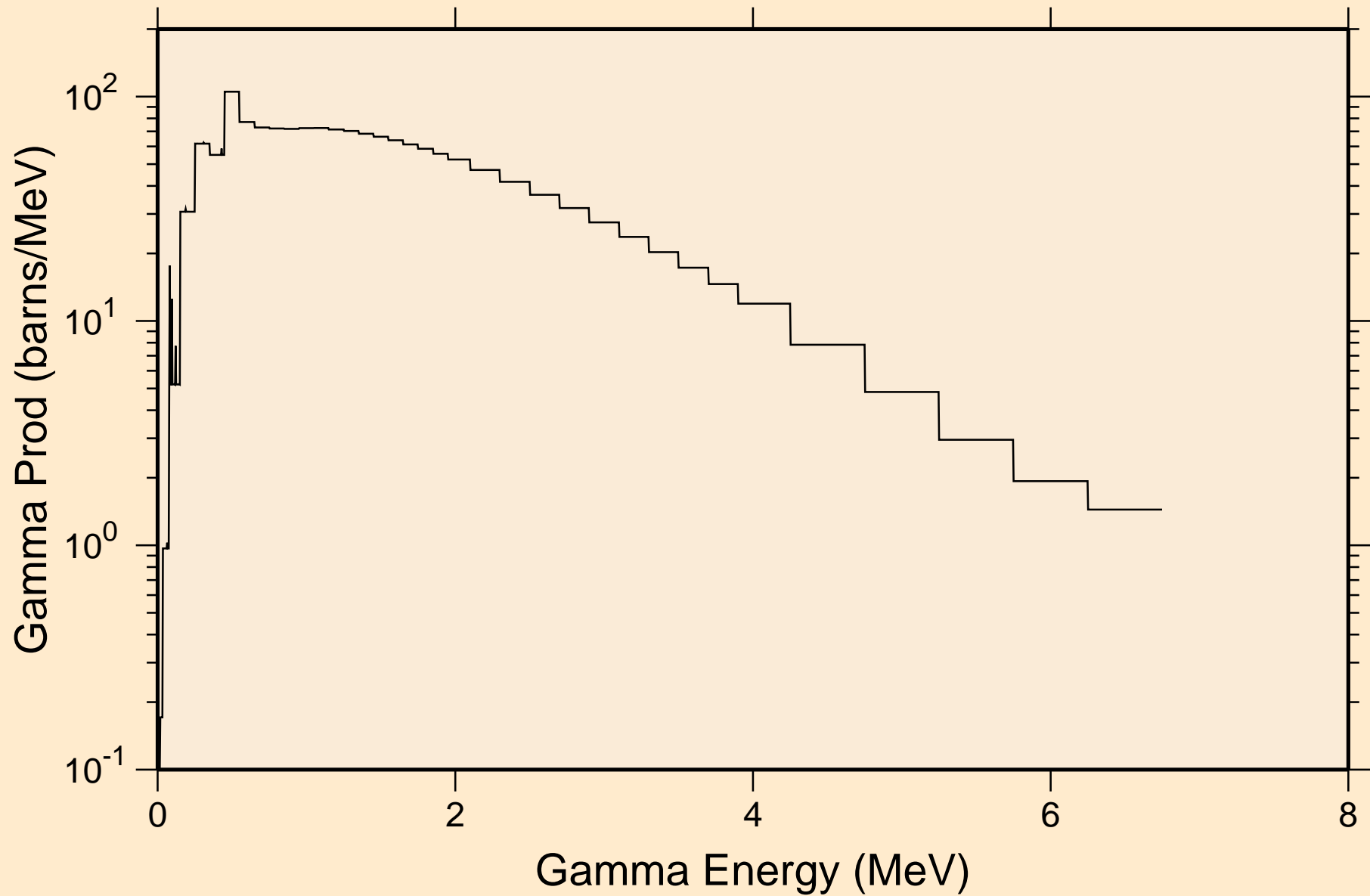
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



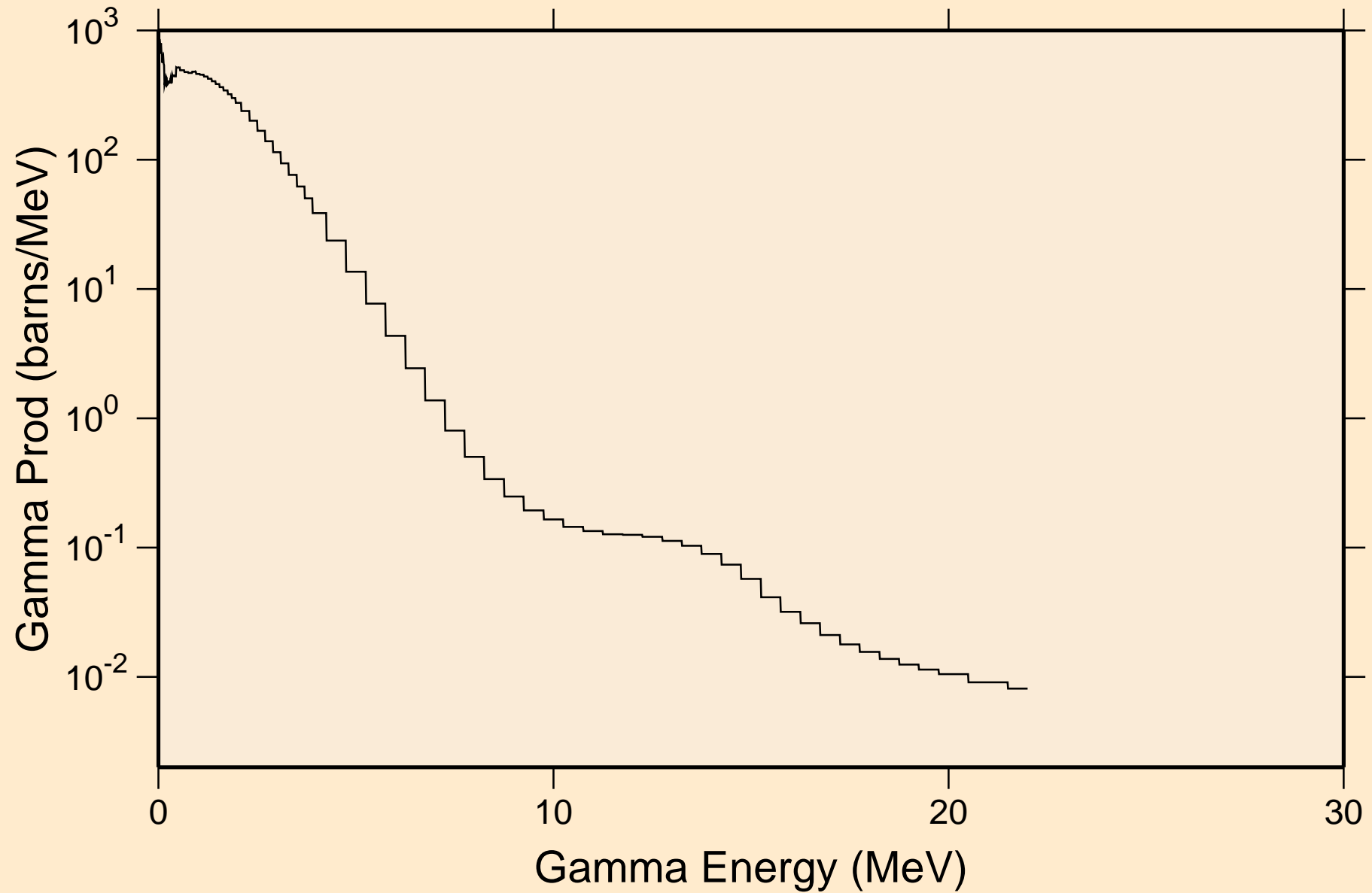
W178 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



W178 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

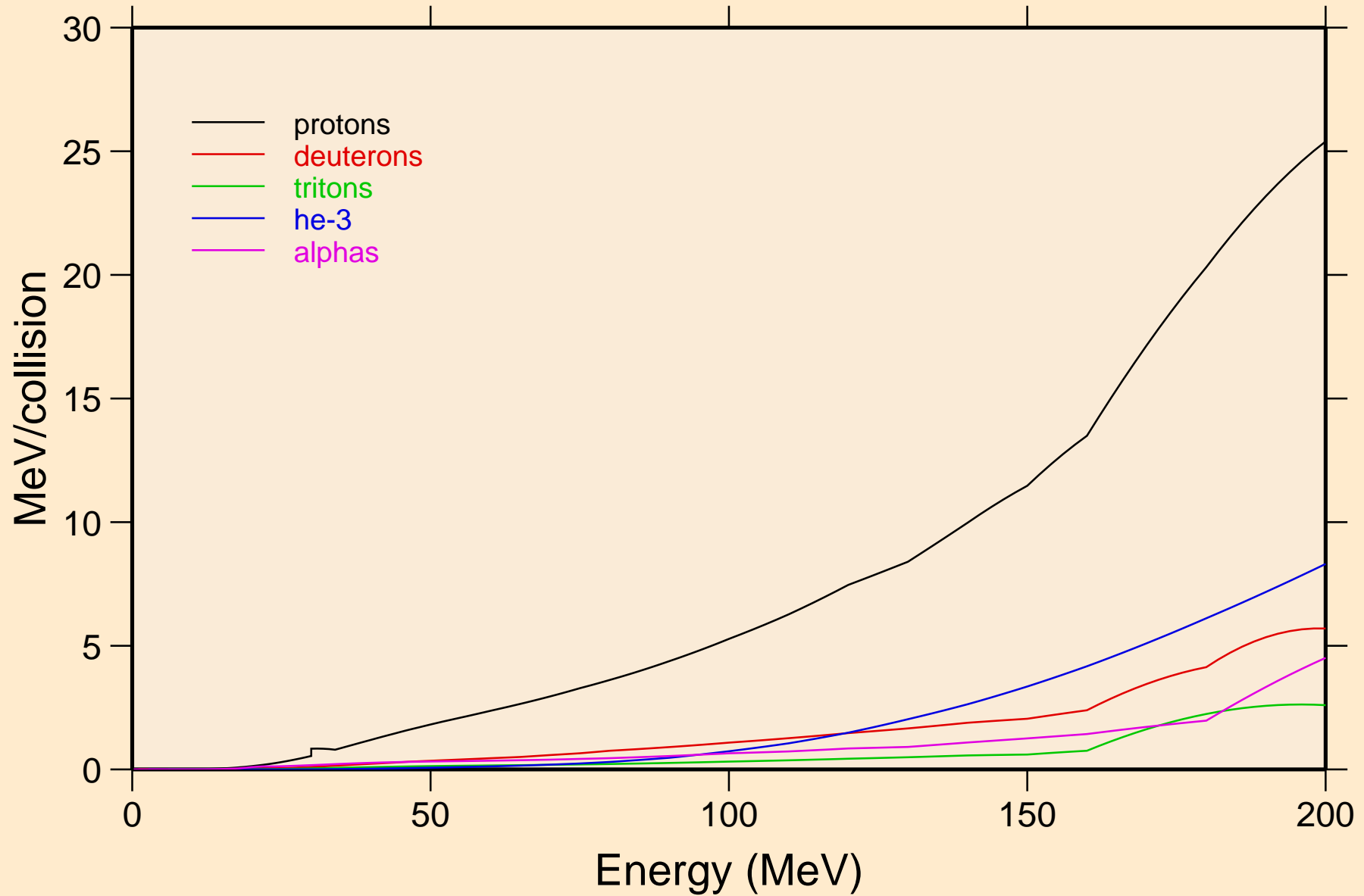


W178 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



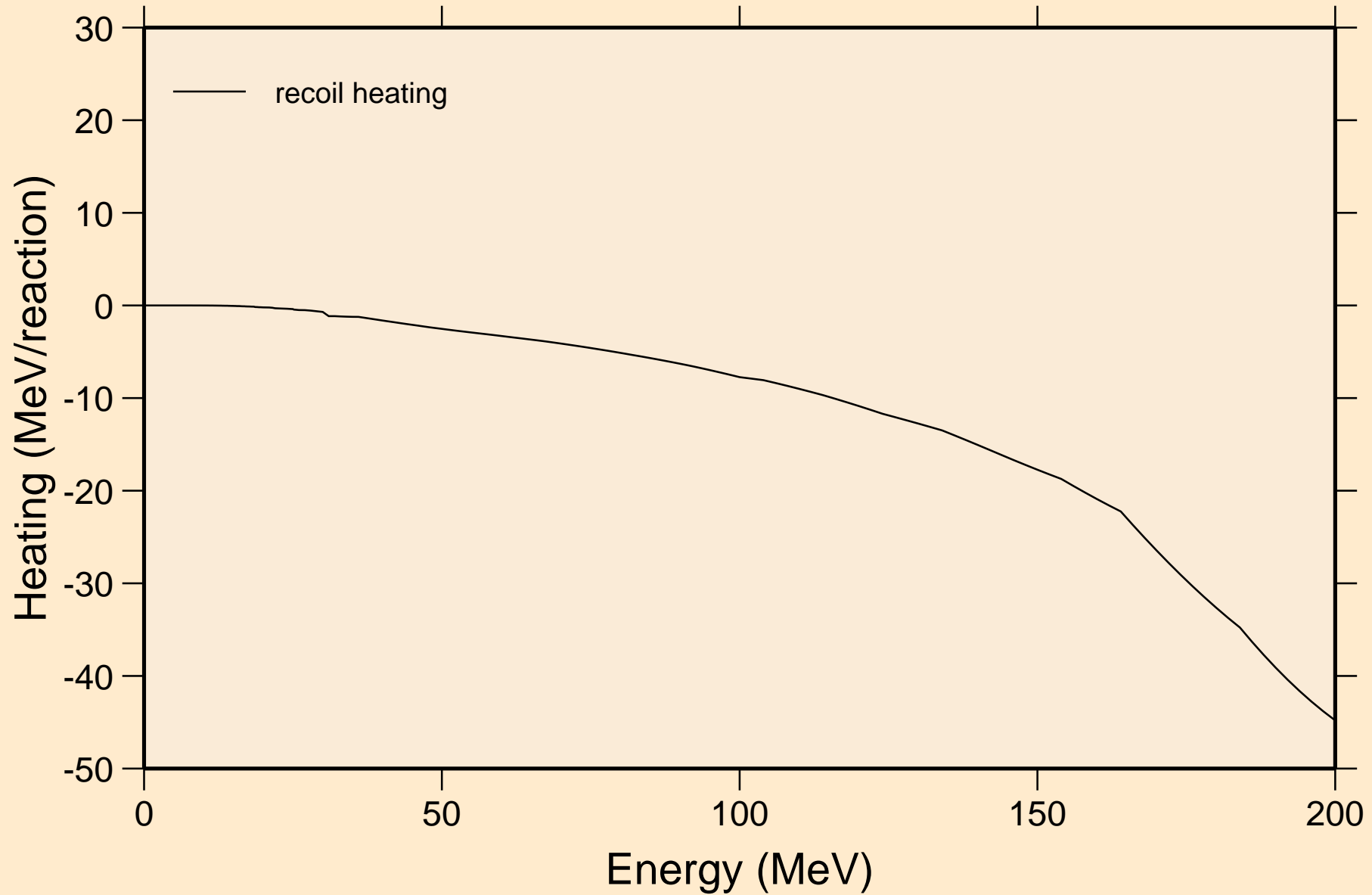
# W178 NRG TENDL-2015, AKONING

## Particle heating contributions



# W178 NRG TENDL-2015, AKONING

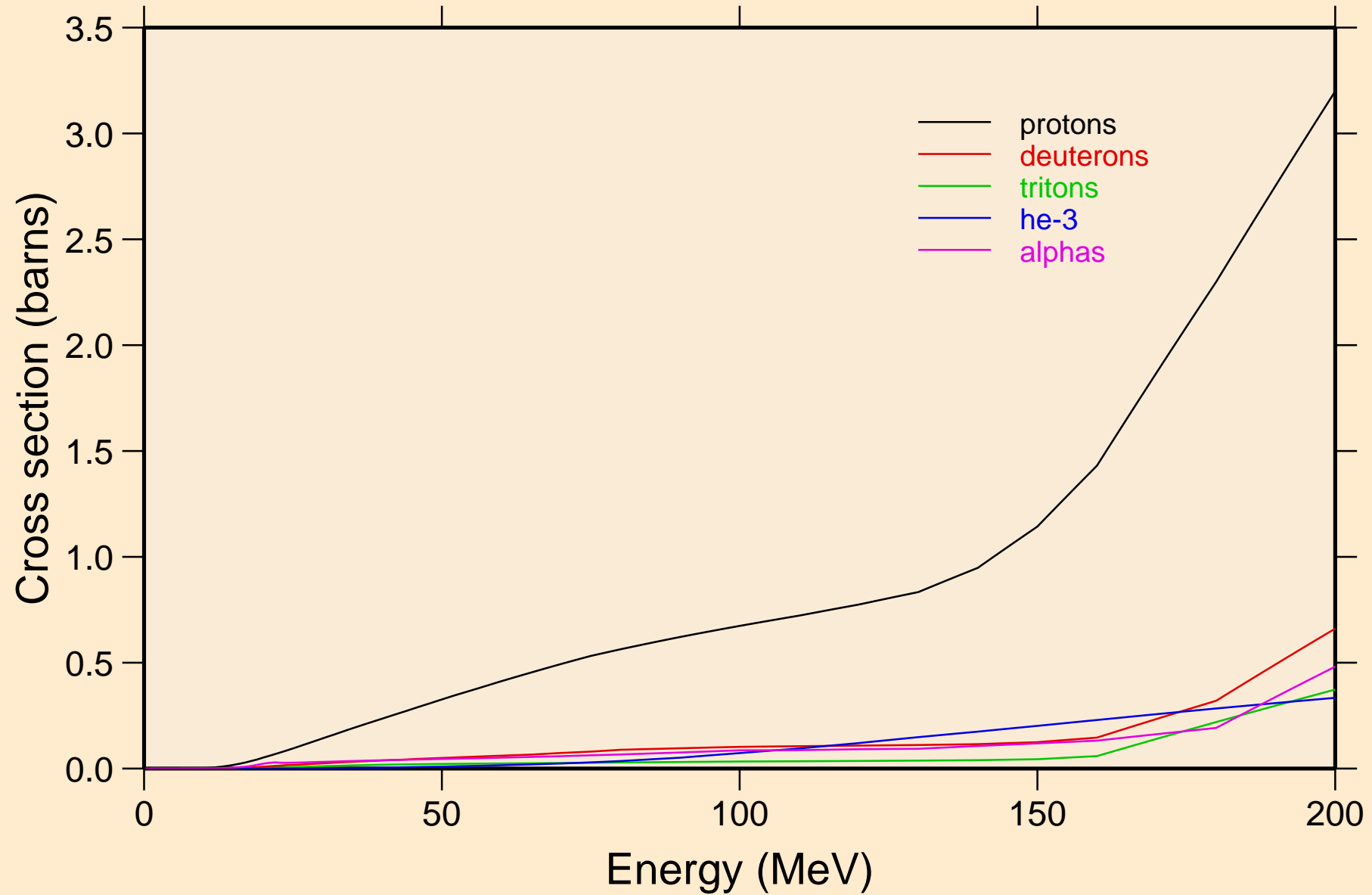
## Recoil Heating



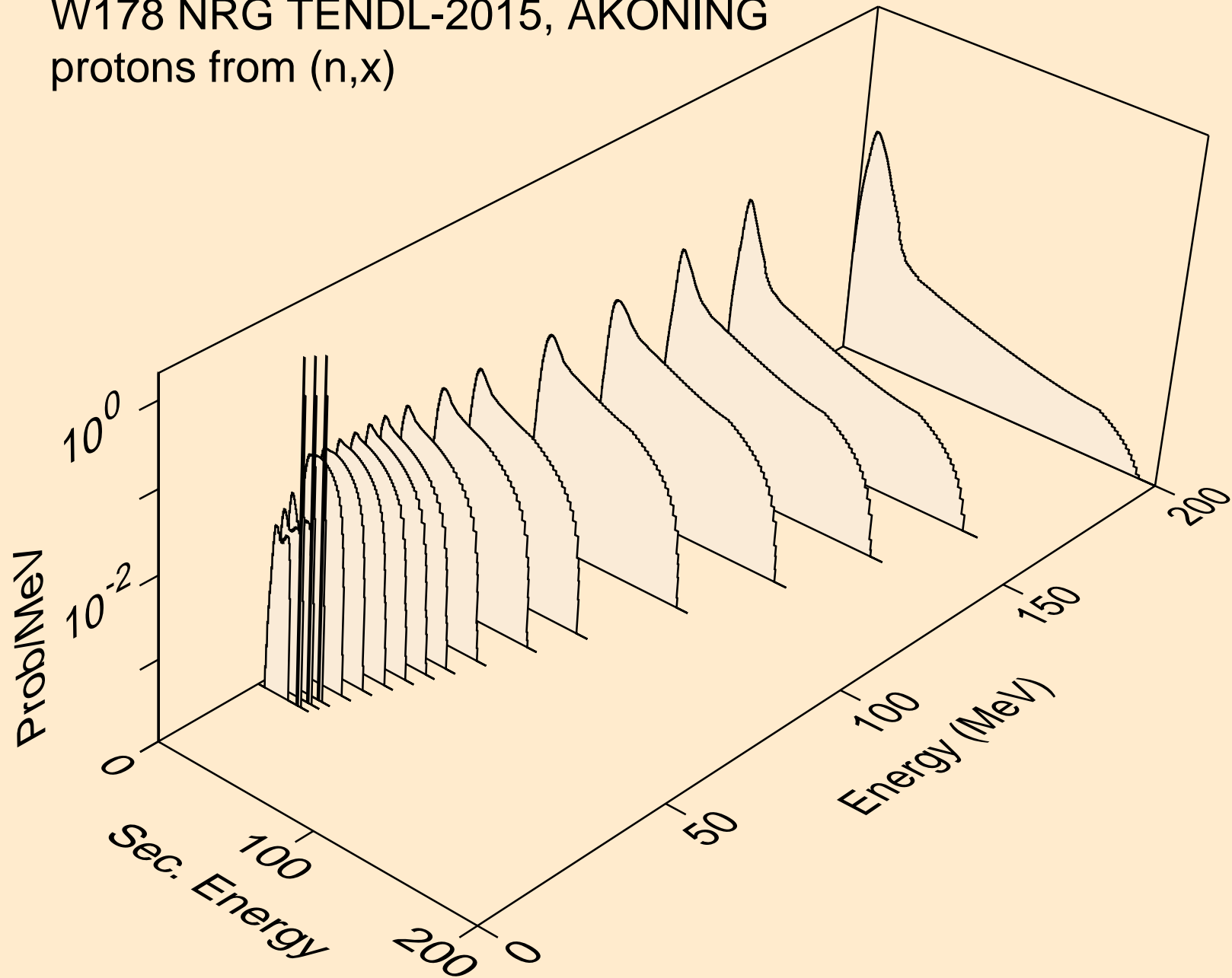


# W178 NRG TENDL-2015, AKONING

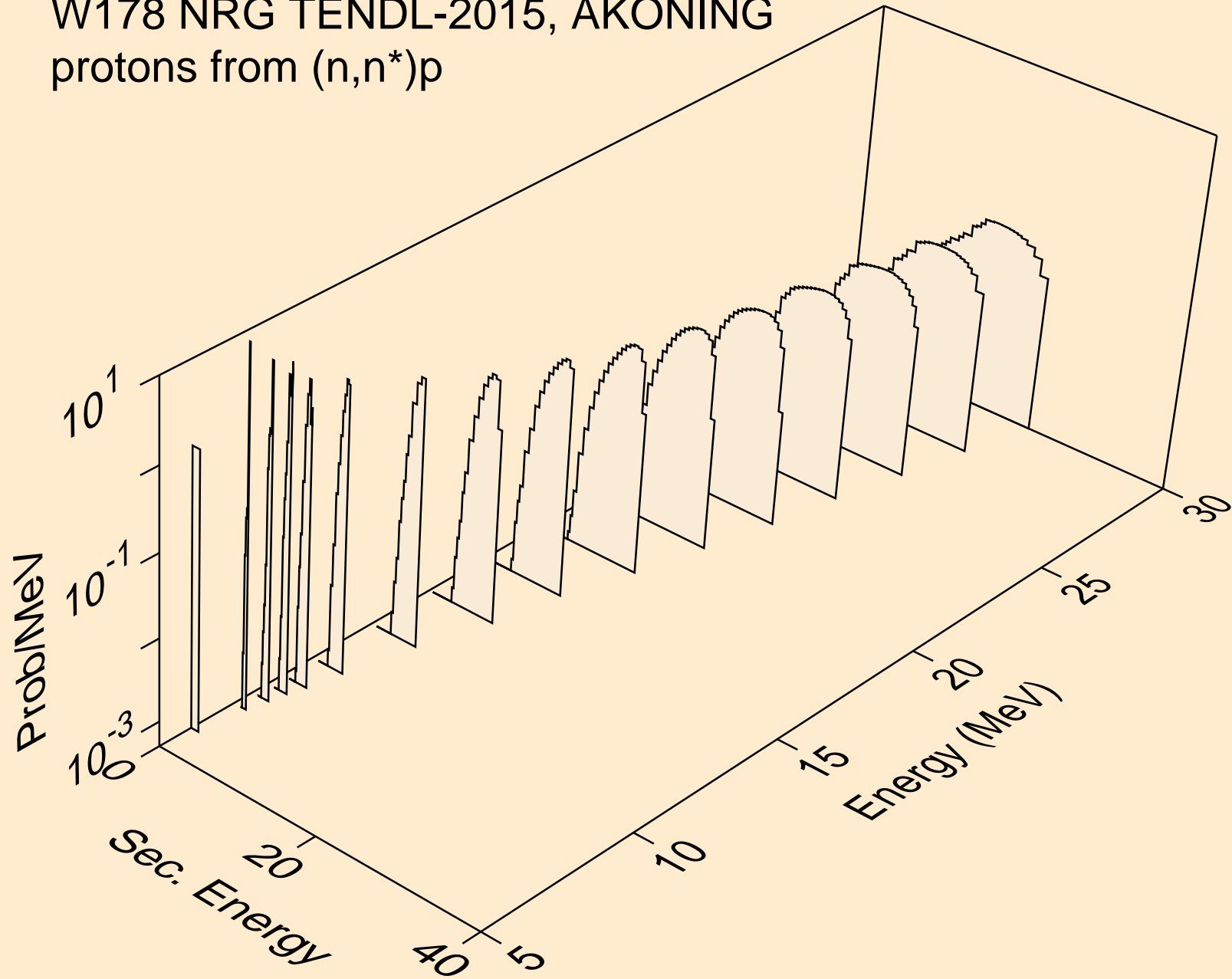
## Particle production cross sections



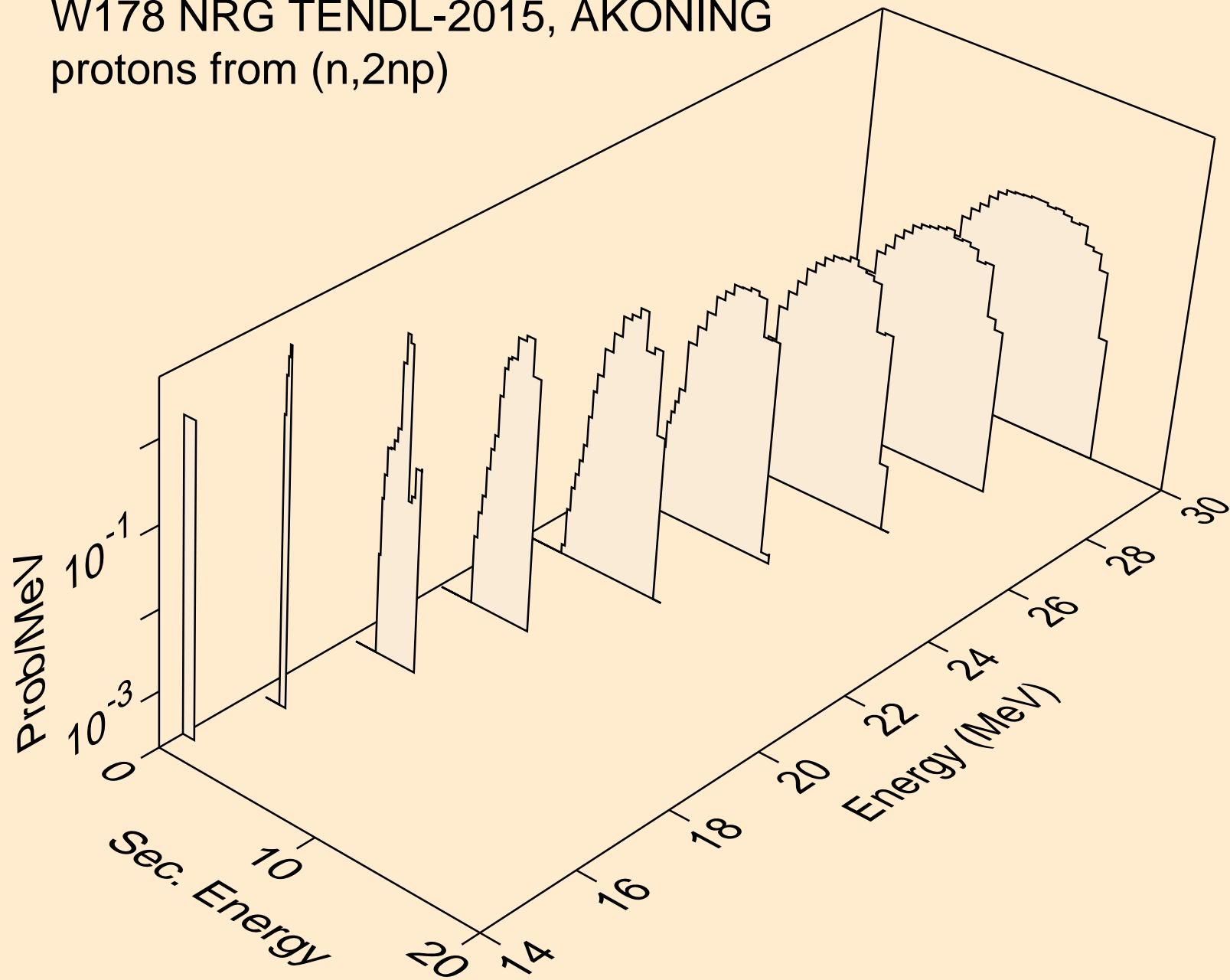
W178 NRG TENDL-2015, AKONING  
protons from (n,x)



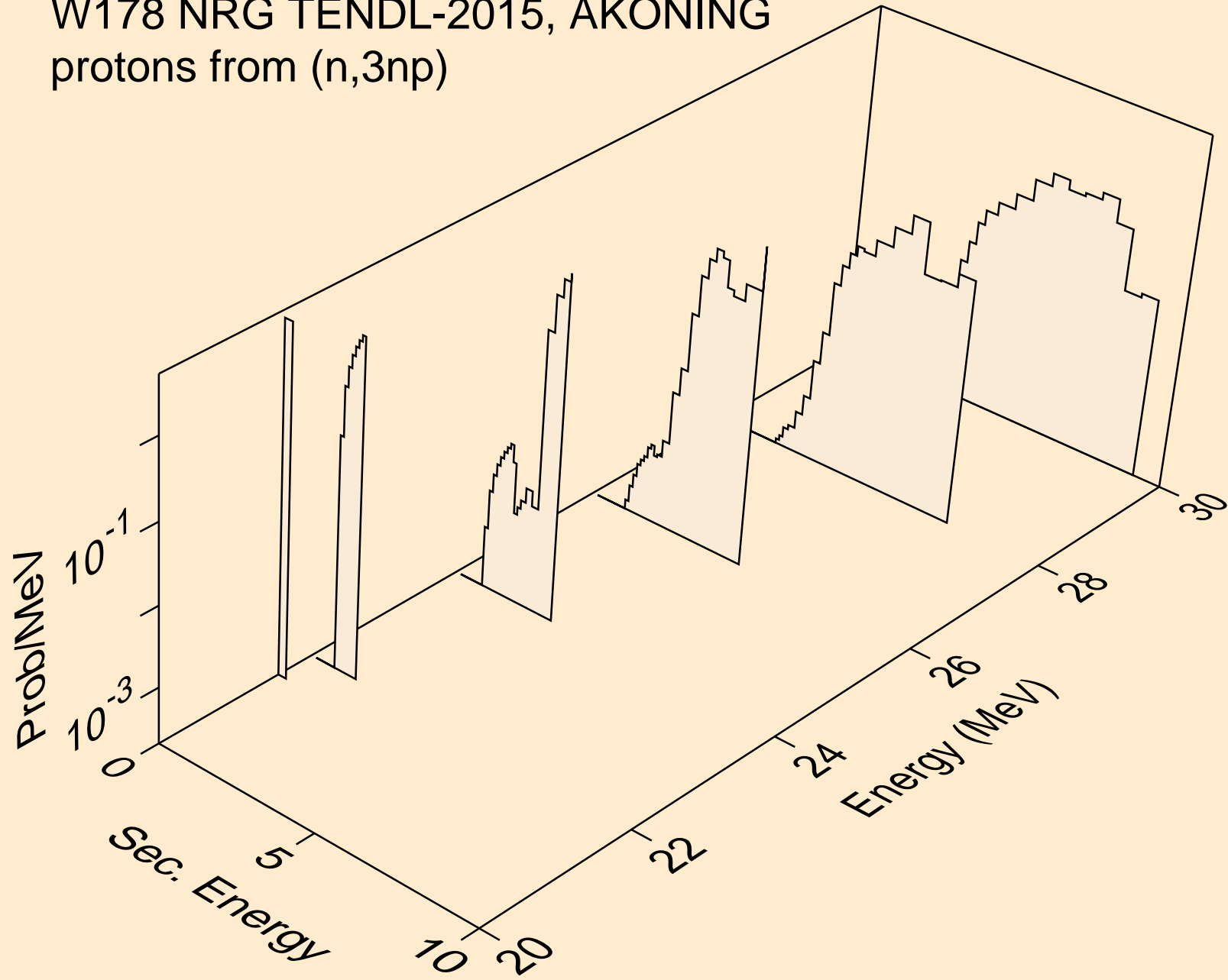
W178 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



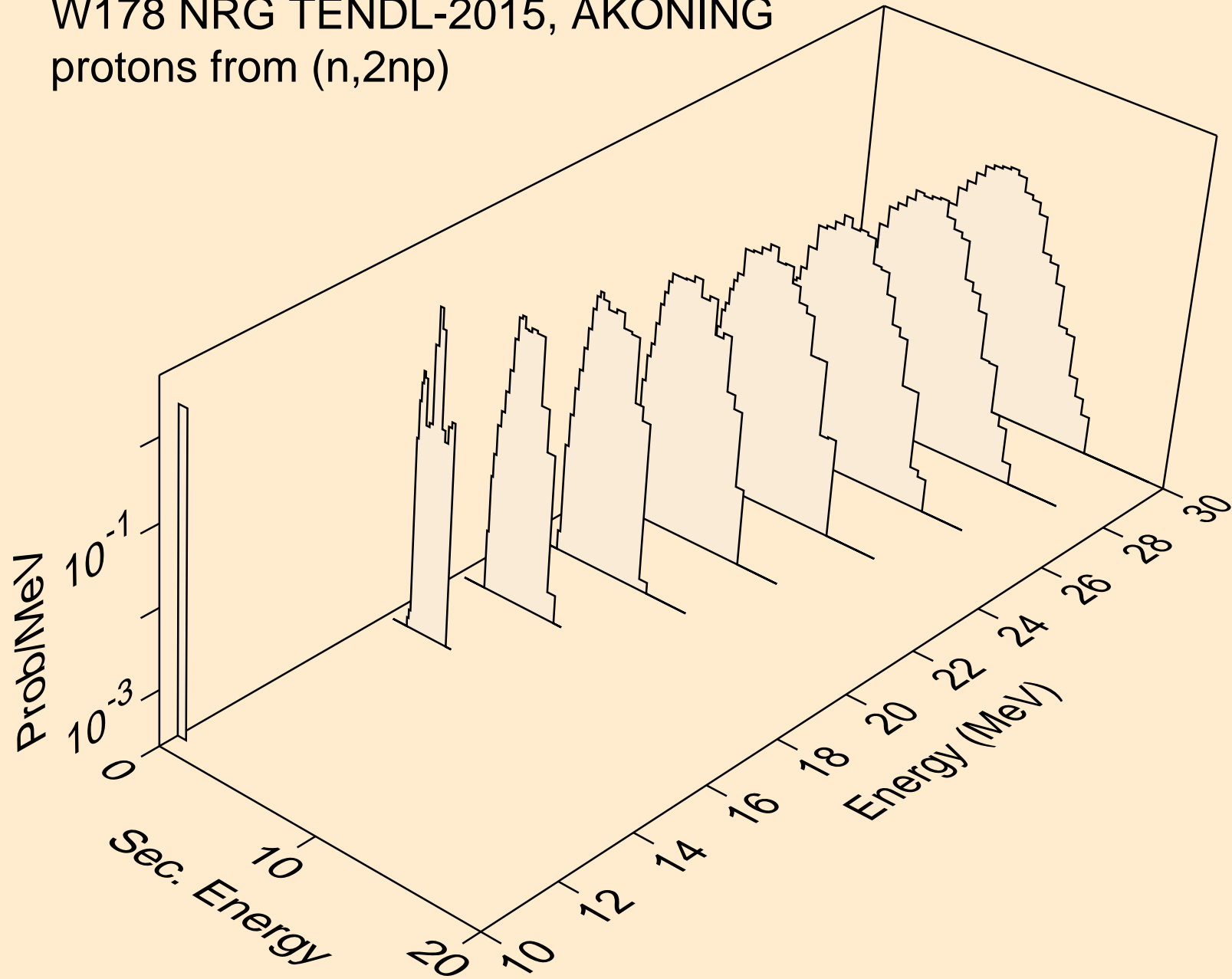
W178 NRG TENDL-2015, AKONING  
protons from (n,2np)



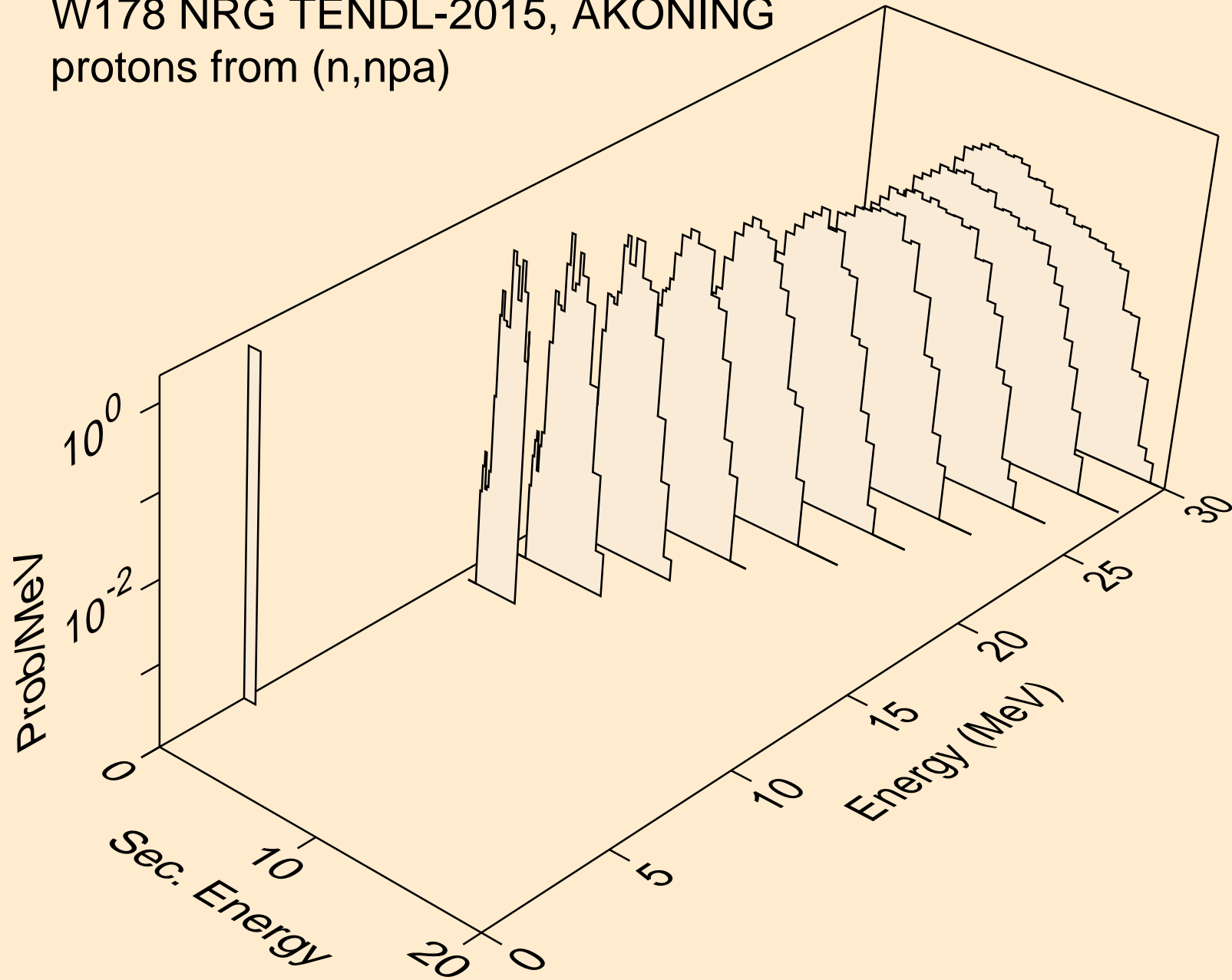
W178 NRG TENDL-2015, AKONING  
protons from (n,3np)



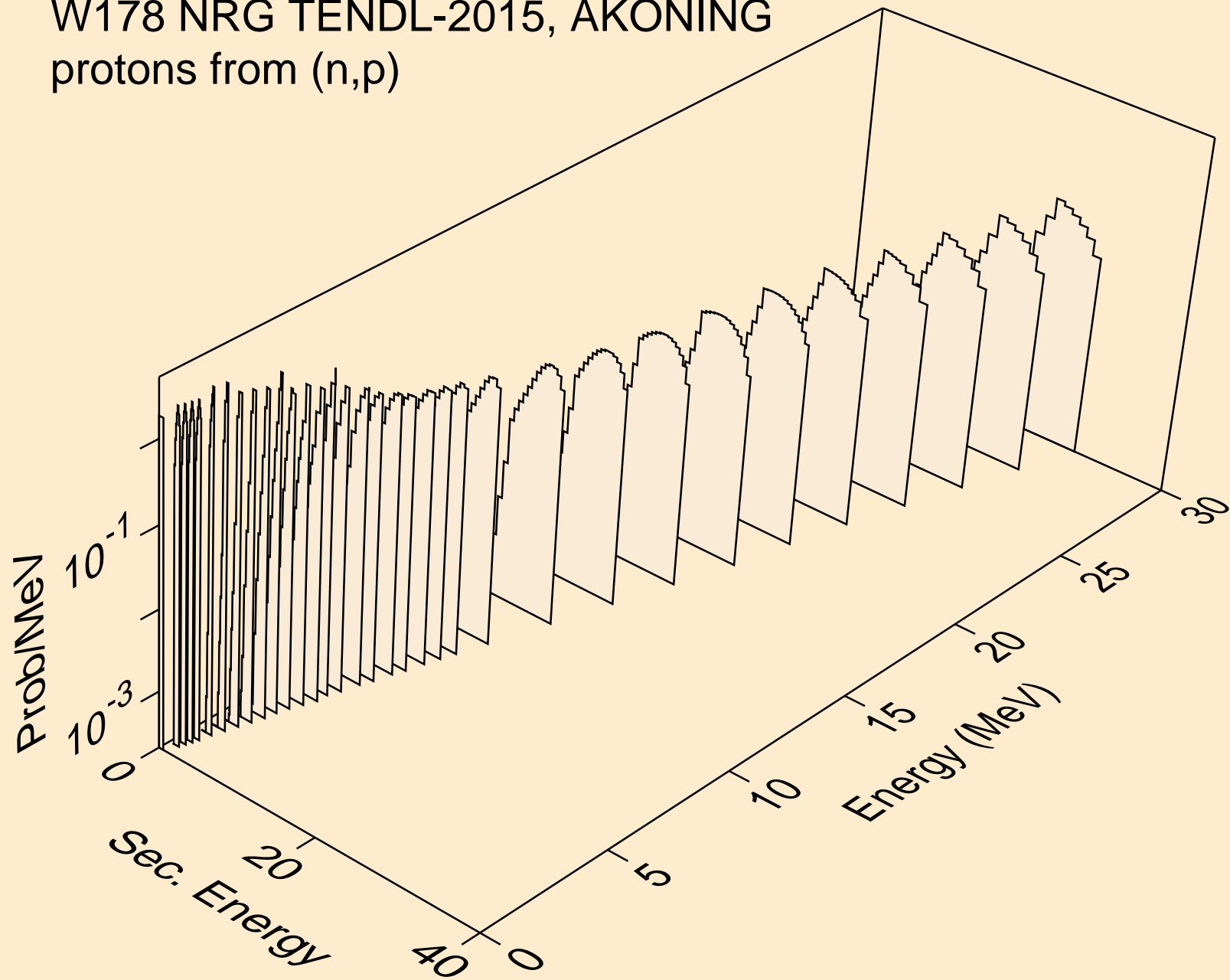
W178 NRG TENDL-2015, AKONING  
protons from (n,2np)



W178 NRG TENDL-2015, AKONING  
protons from (n,npa)

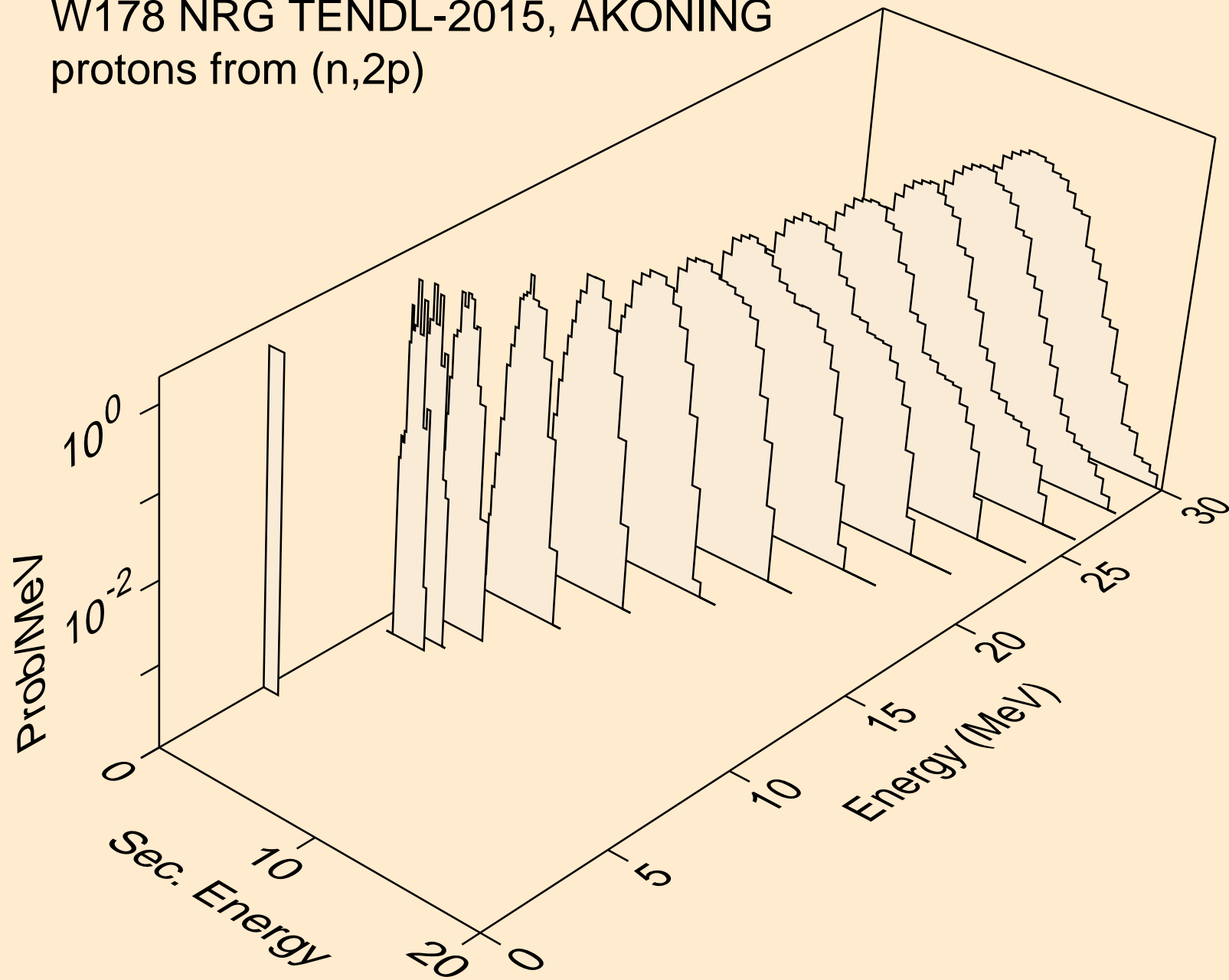


W178 NRG TENDL-2015, AKONING  
protons from (n,p)

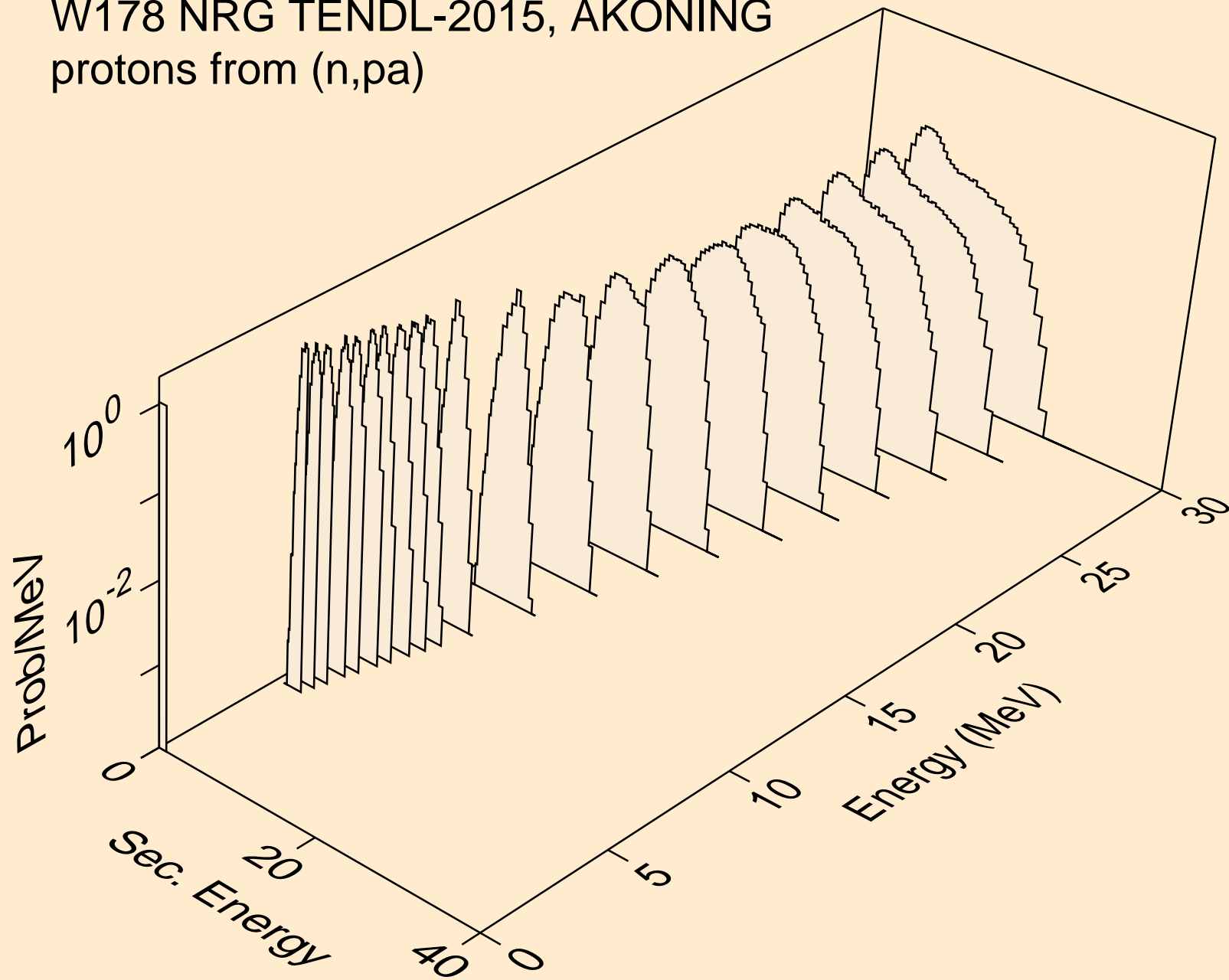




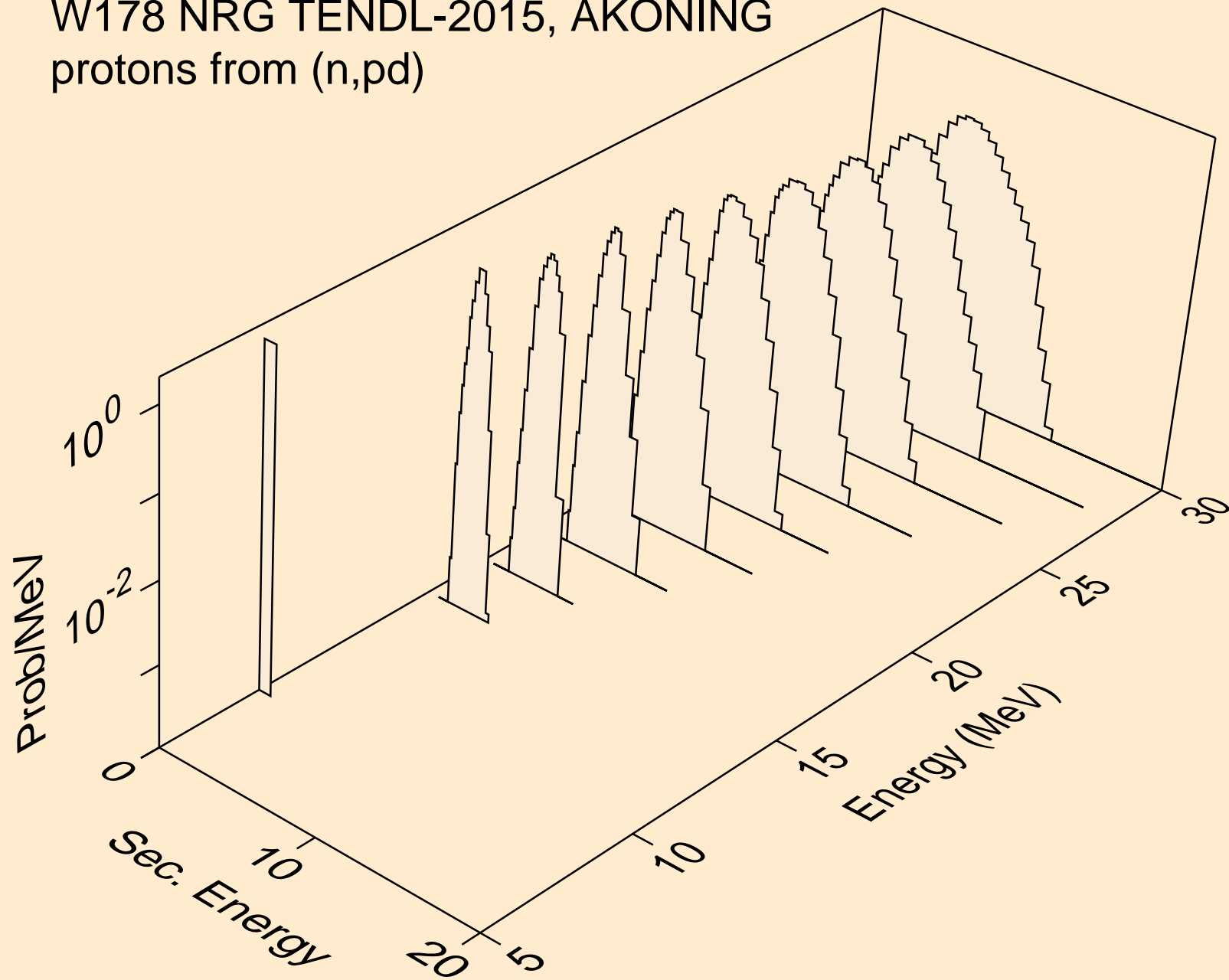
W178 NRG TENDL-2015, AKONING  
protons from (n,2p)



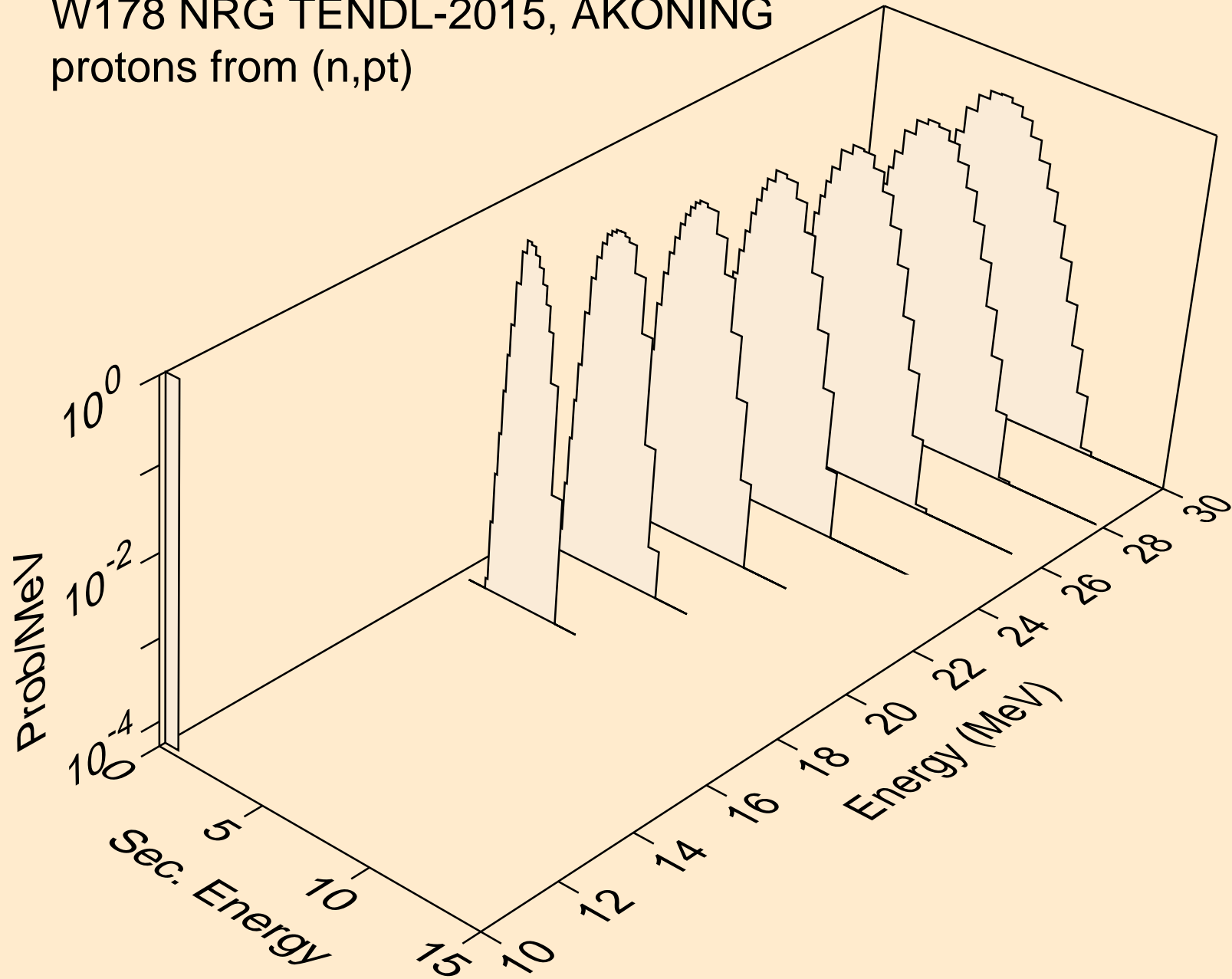
W178 NRG TENDL-2015, AKONING  
protons from (n,pa)



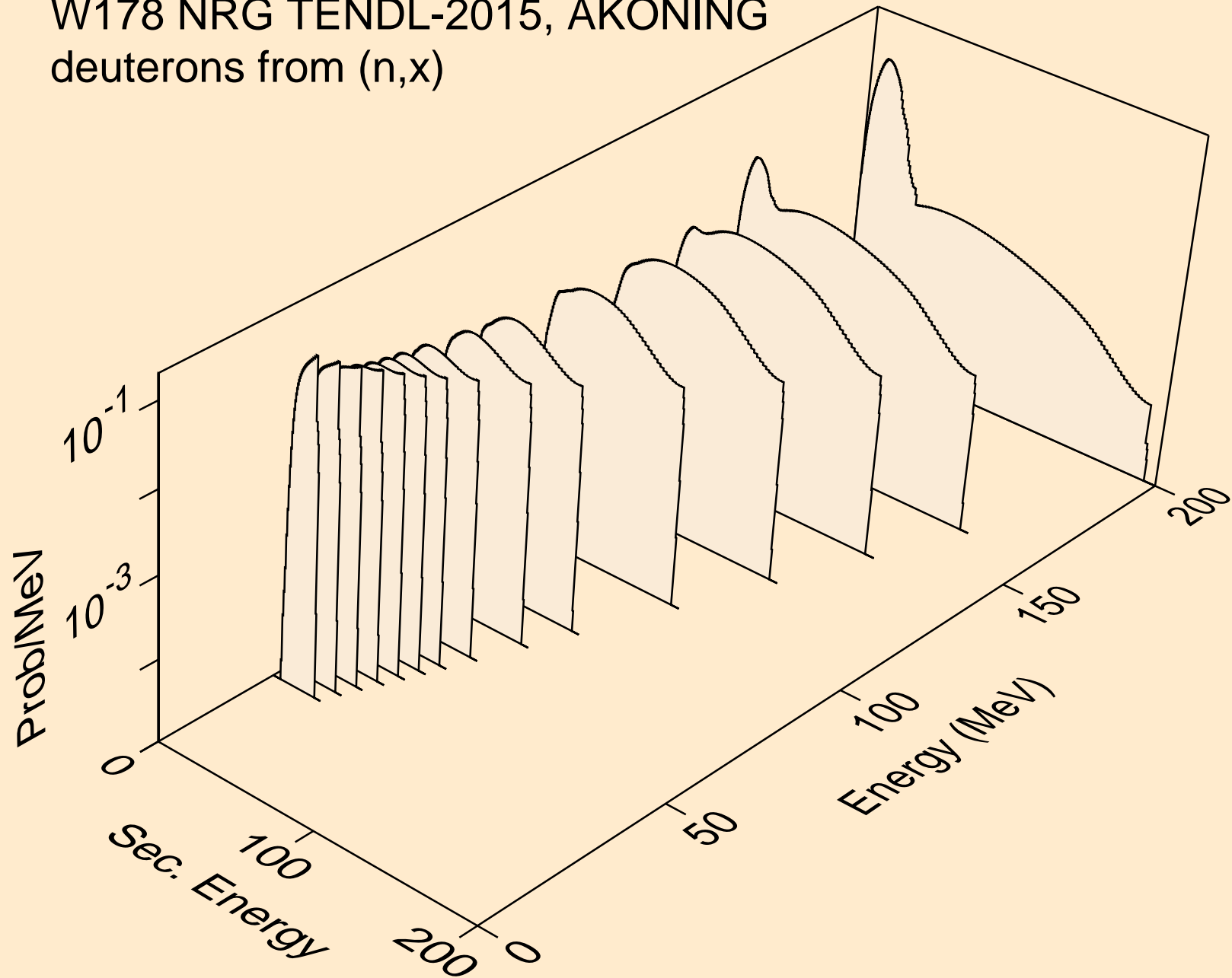
W178 NRG TENDL-2015, AKONING  
protons from (n,pd)



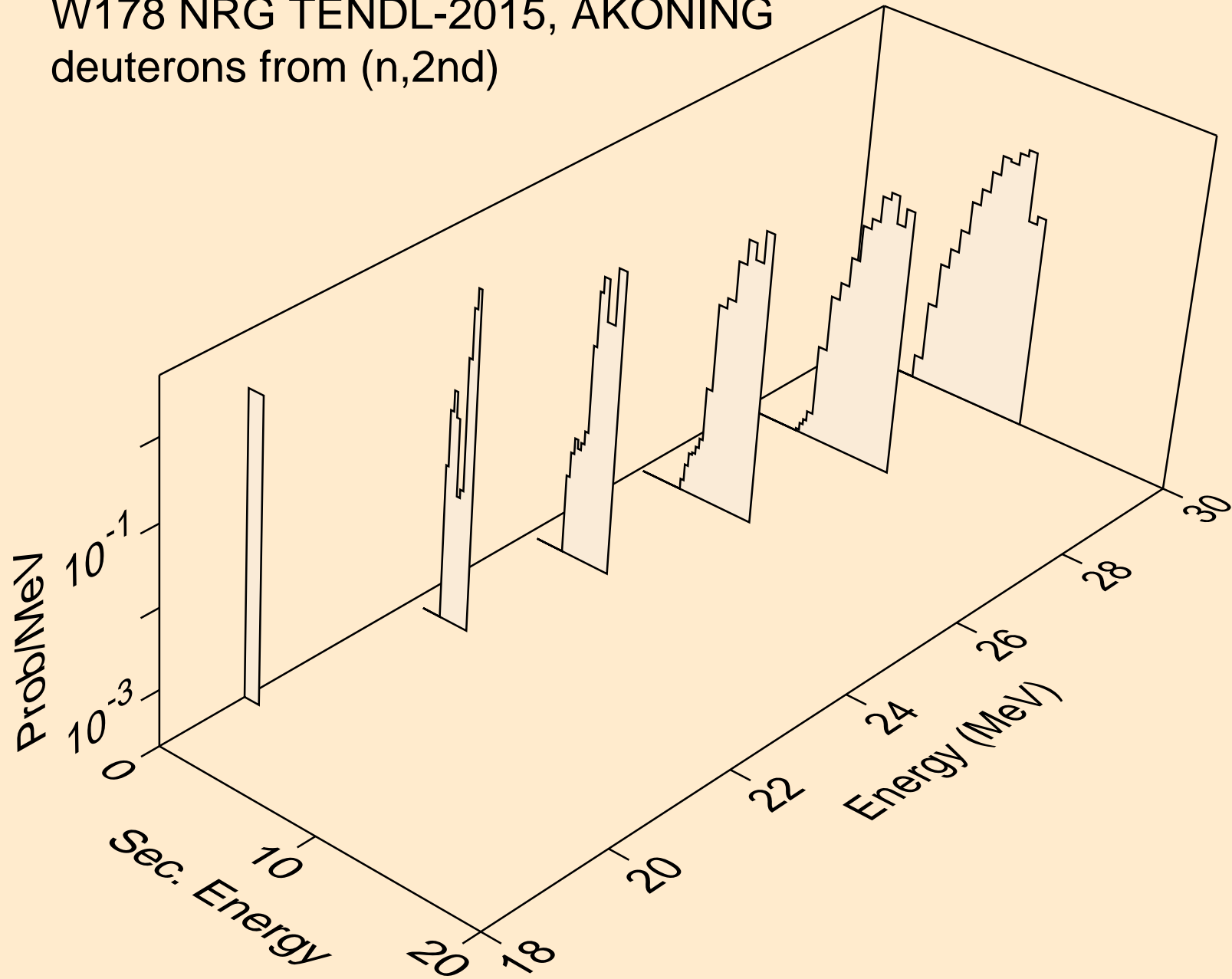
W178 NRG TENDL-2015, AKONING  
protons from (n,pt)



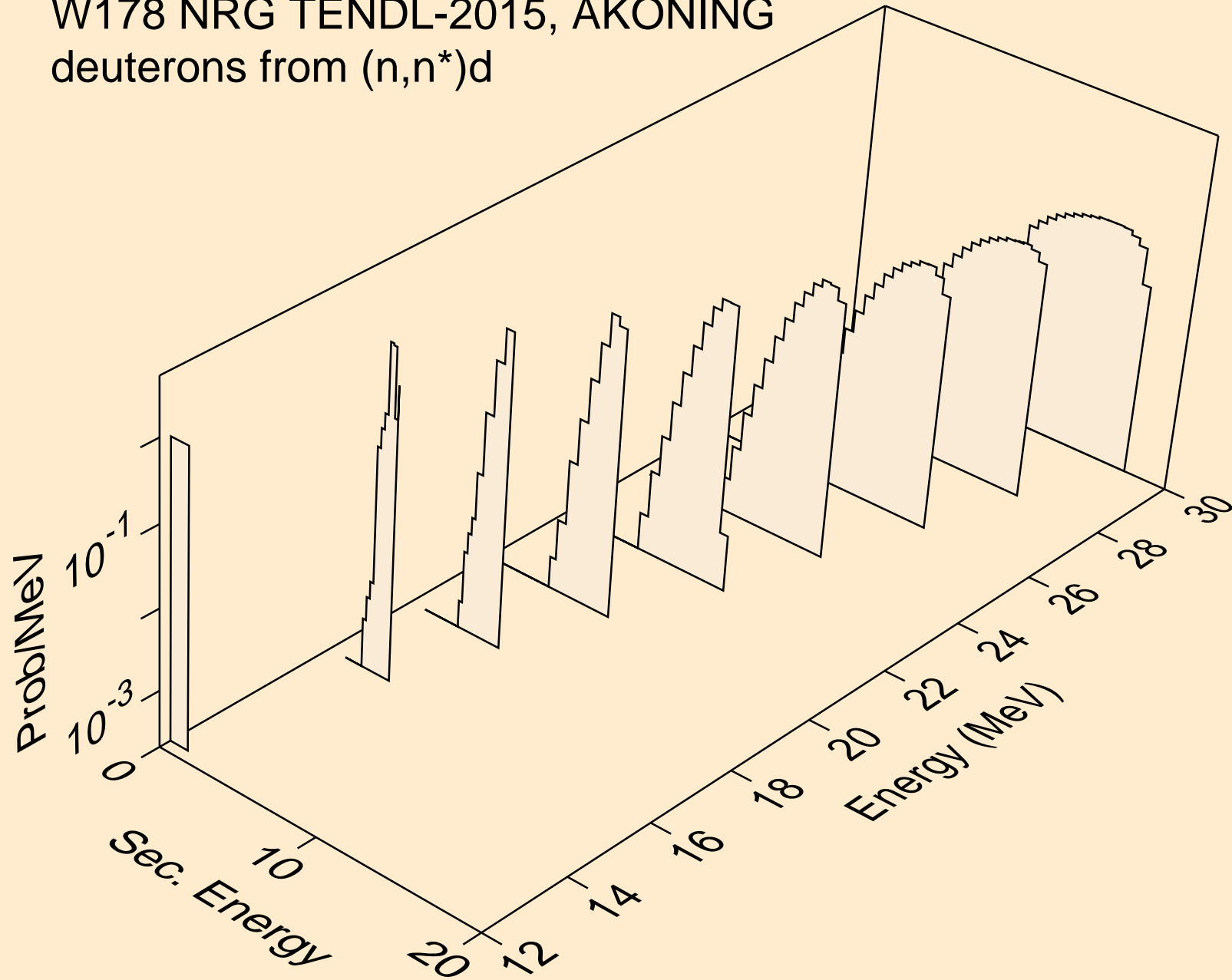
W178 NRG TENDL-2015, AKONING  
deuterons from (n,x)



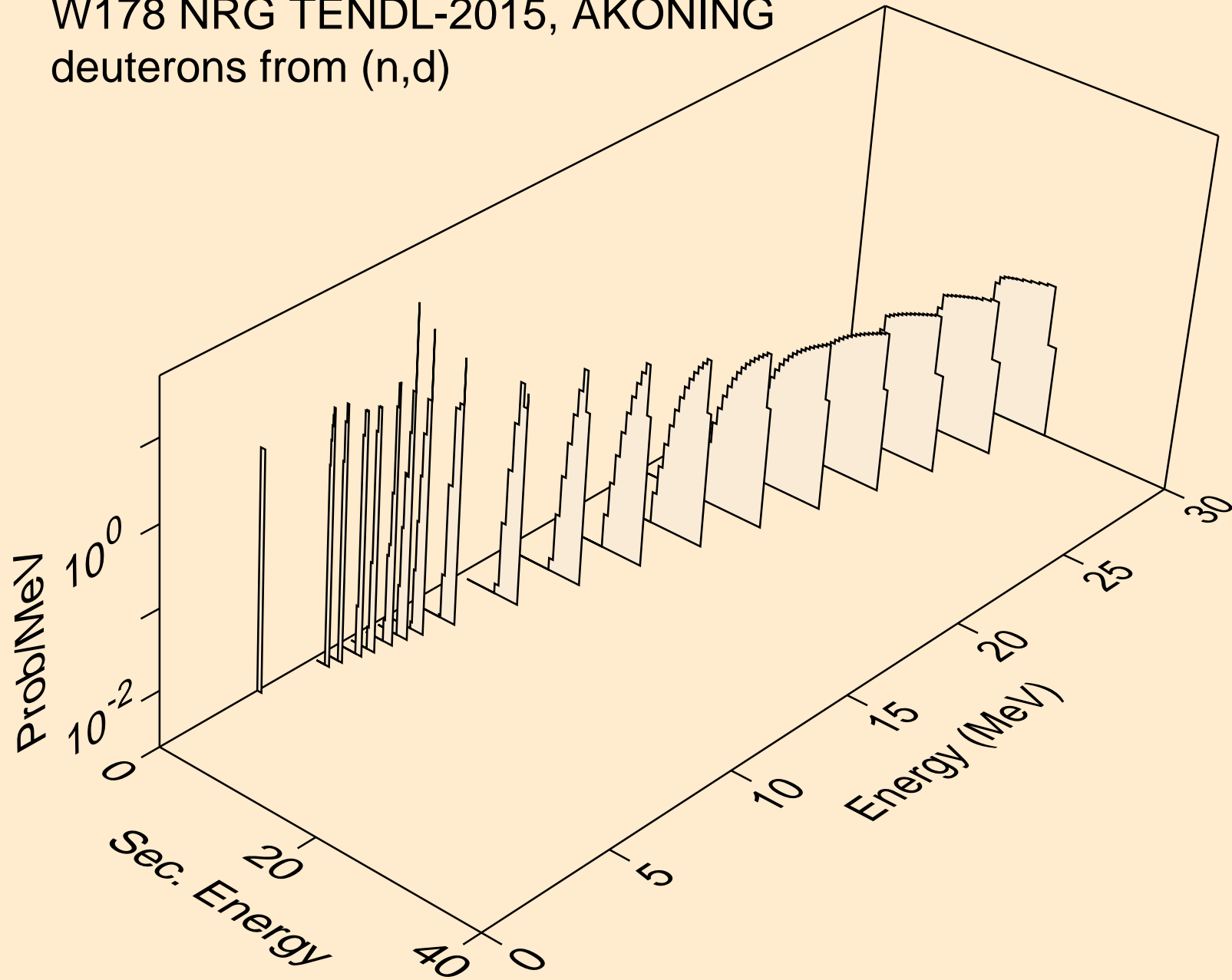
W178 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



W178 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

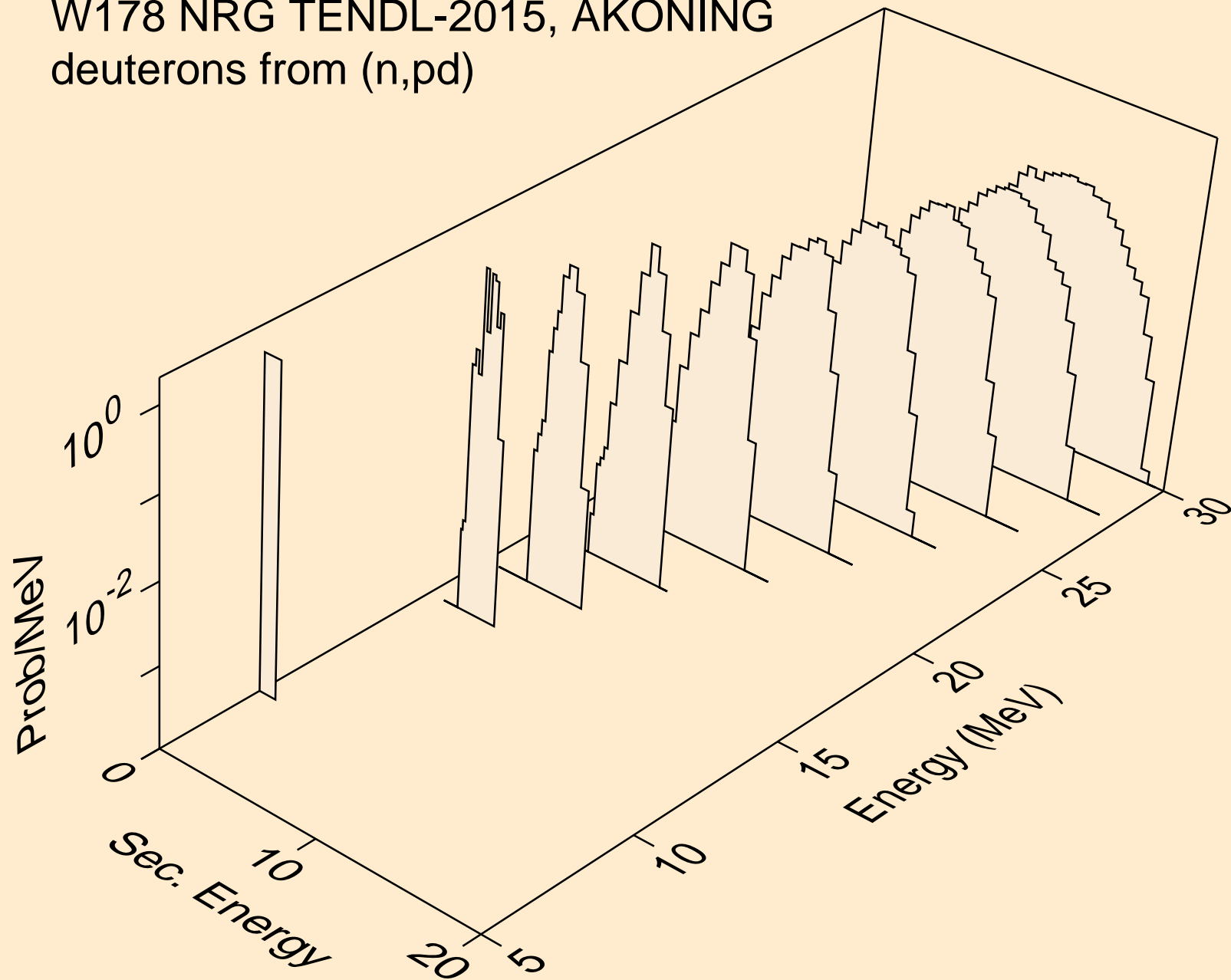


W178 NRG TENDL-2015, AKONING  
deuterons from (n,d)

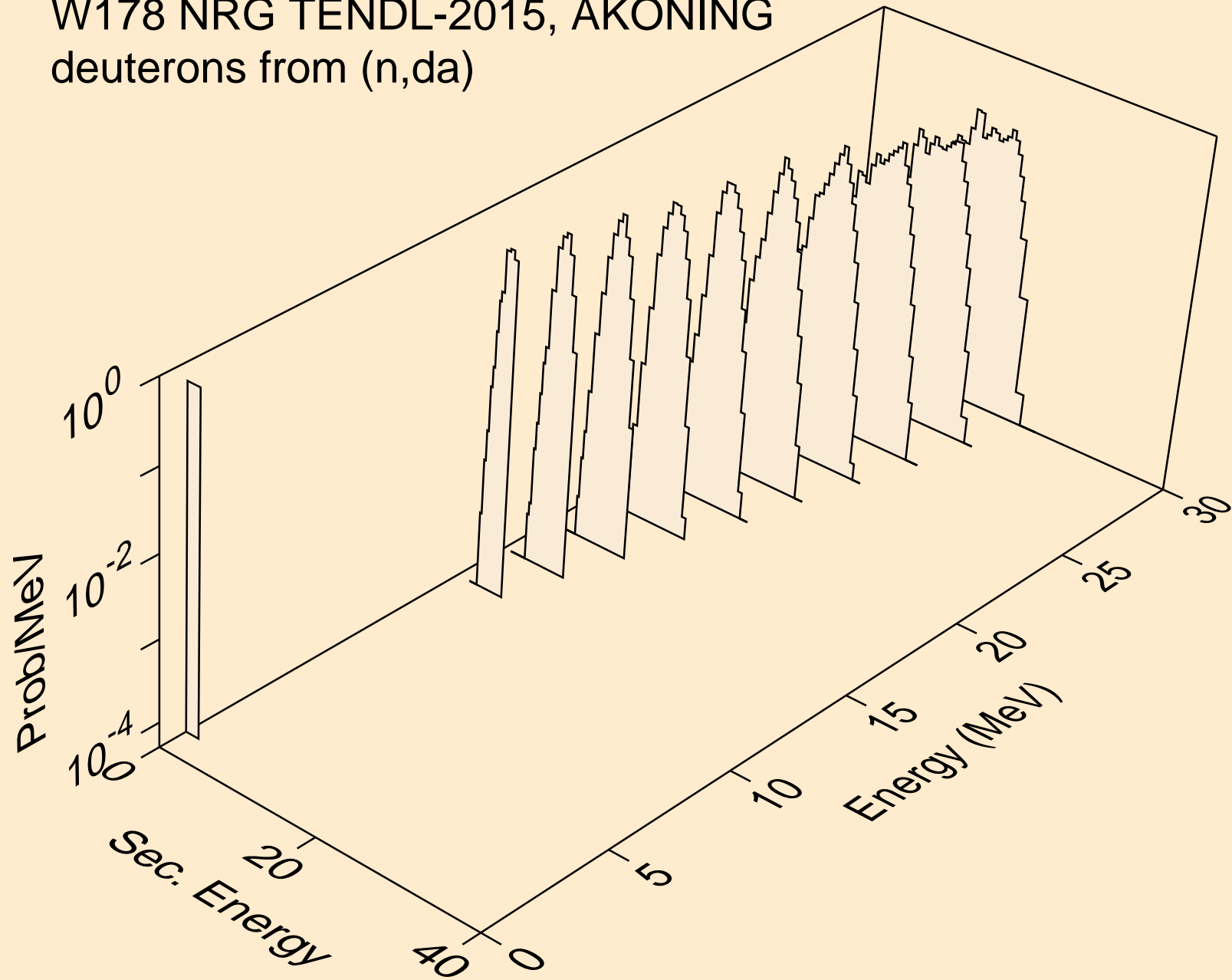




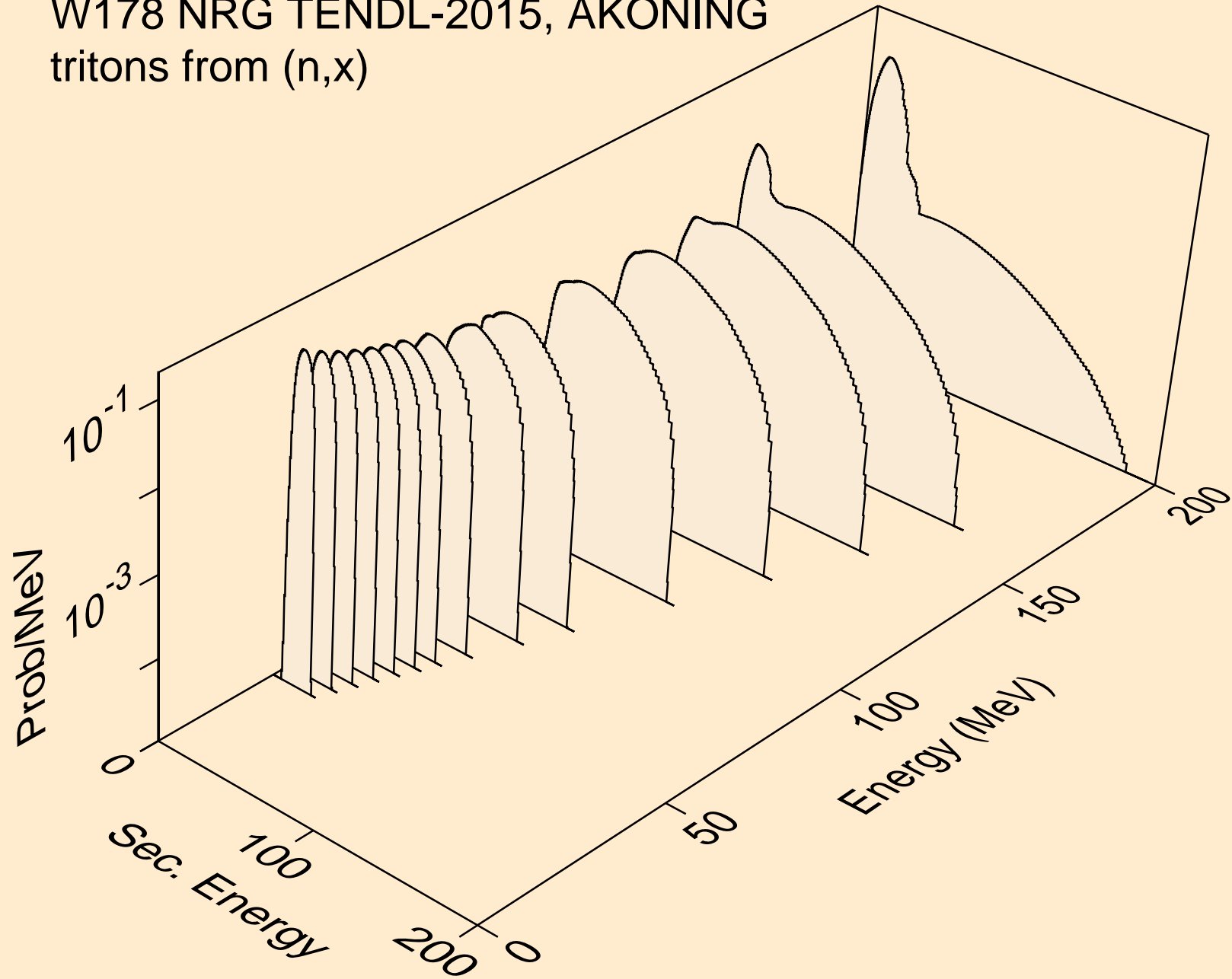
W178 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



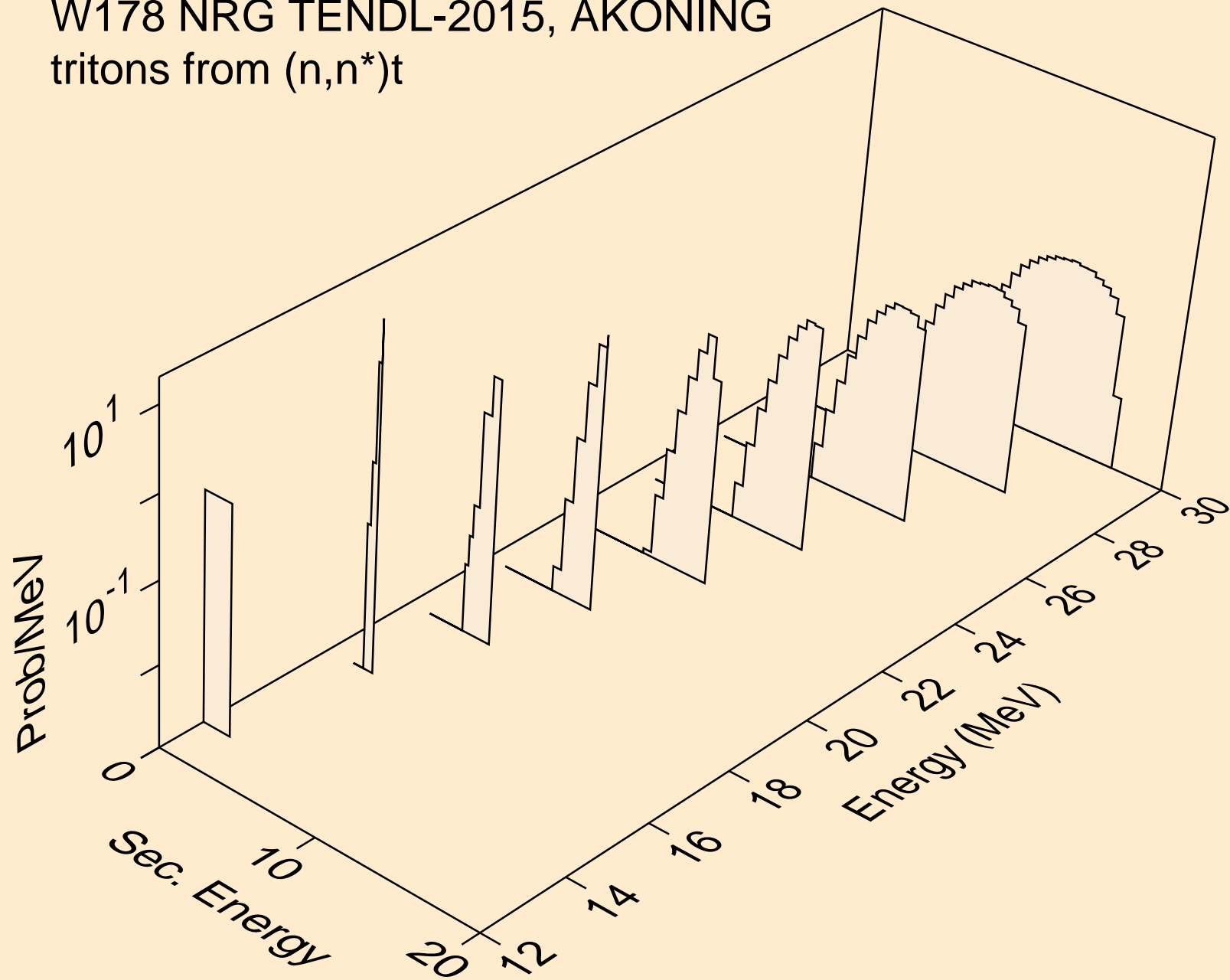
W178 NRG TENDL-2015, AKONING  
deuterons from (n,da)



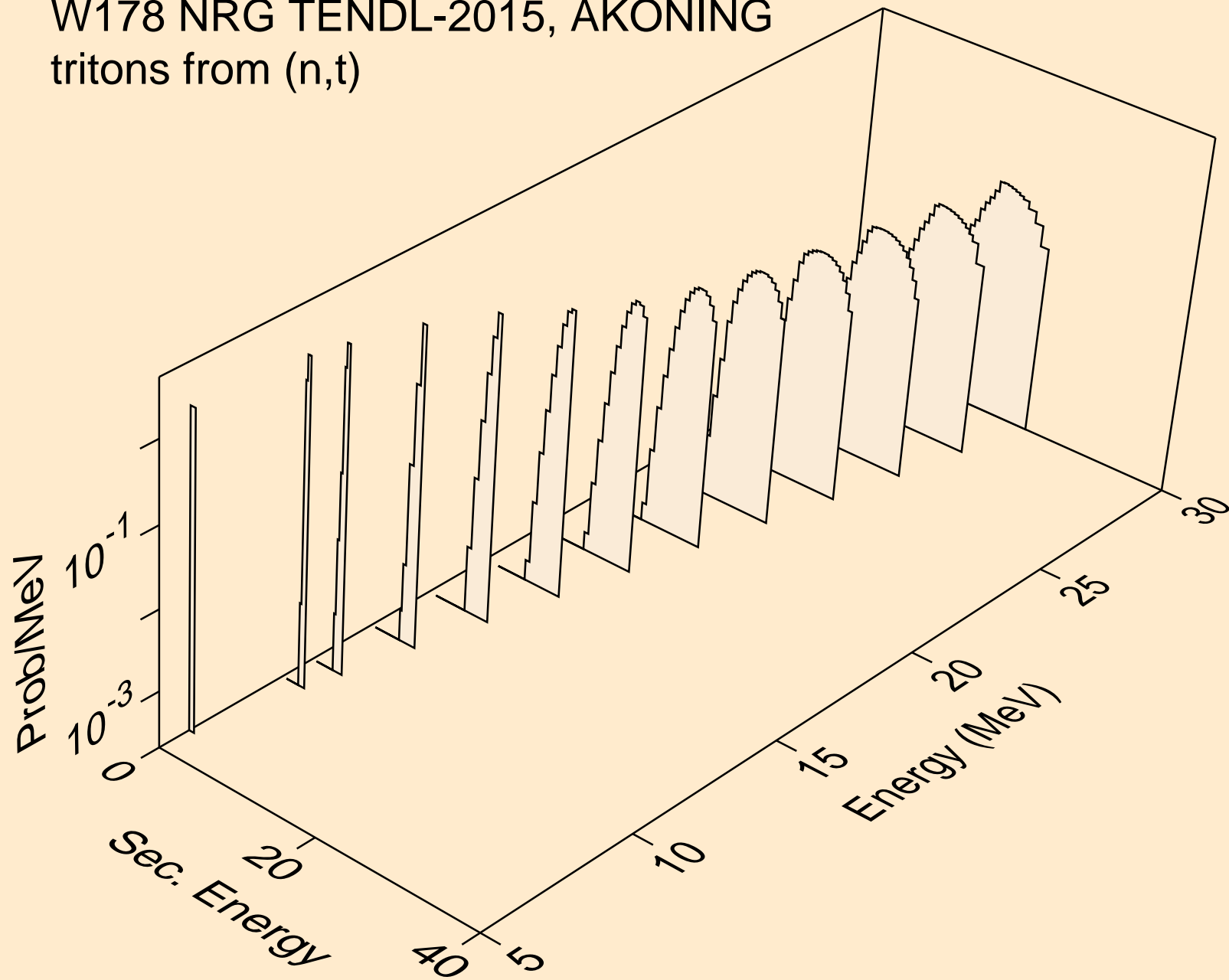
W178 NRG TENDL-2015, AKONING  
tritons from (n,x)



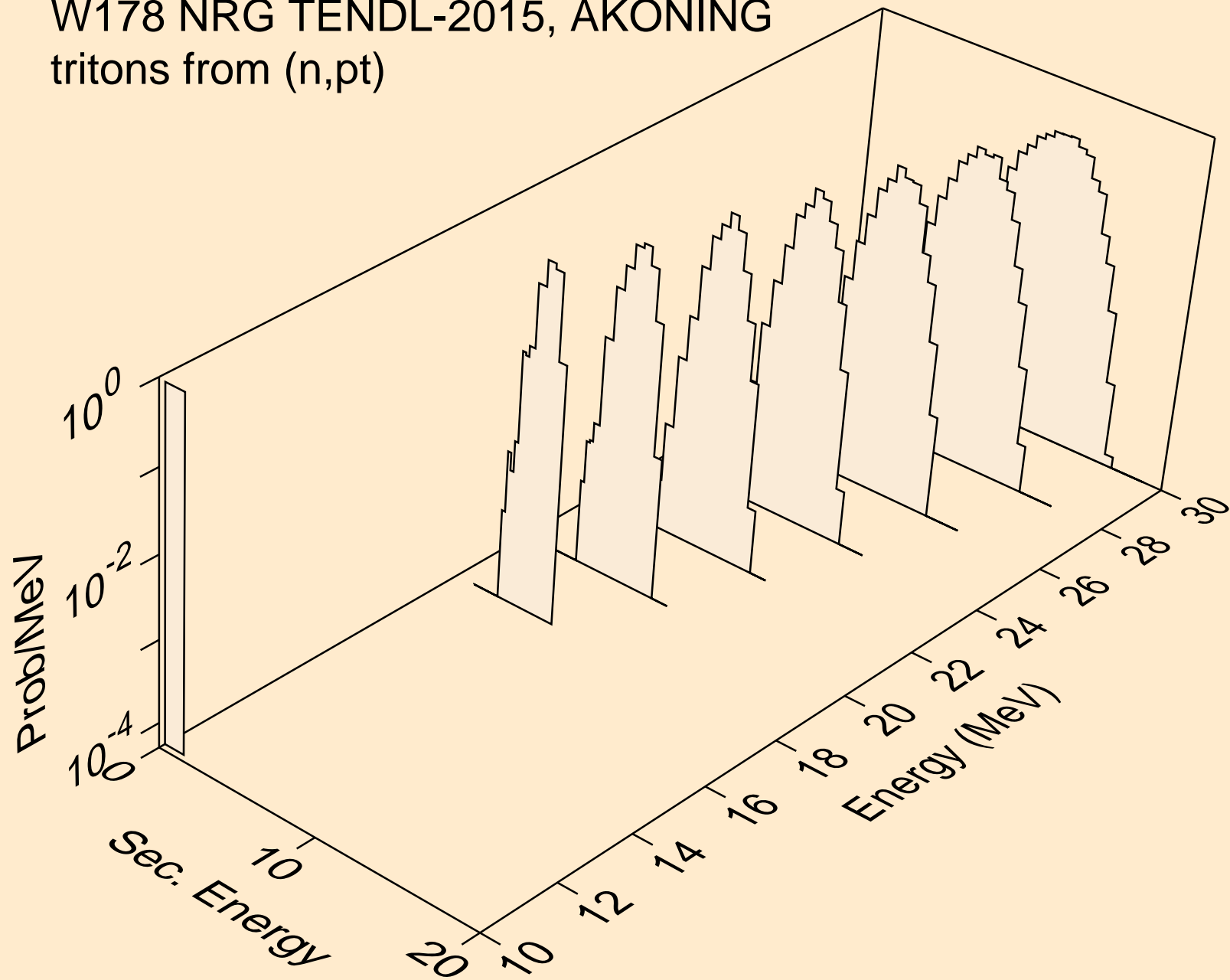
W178 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



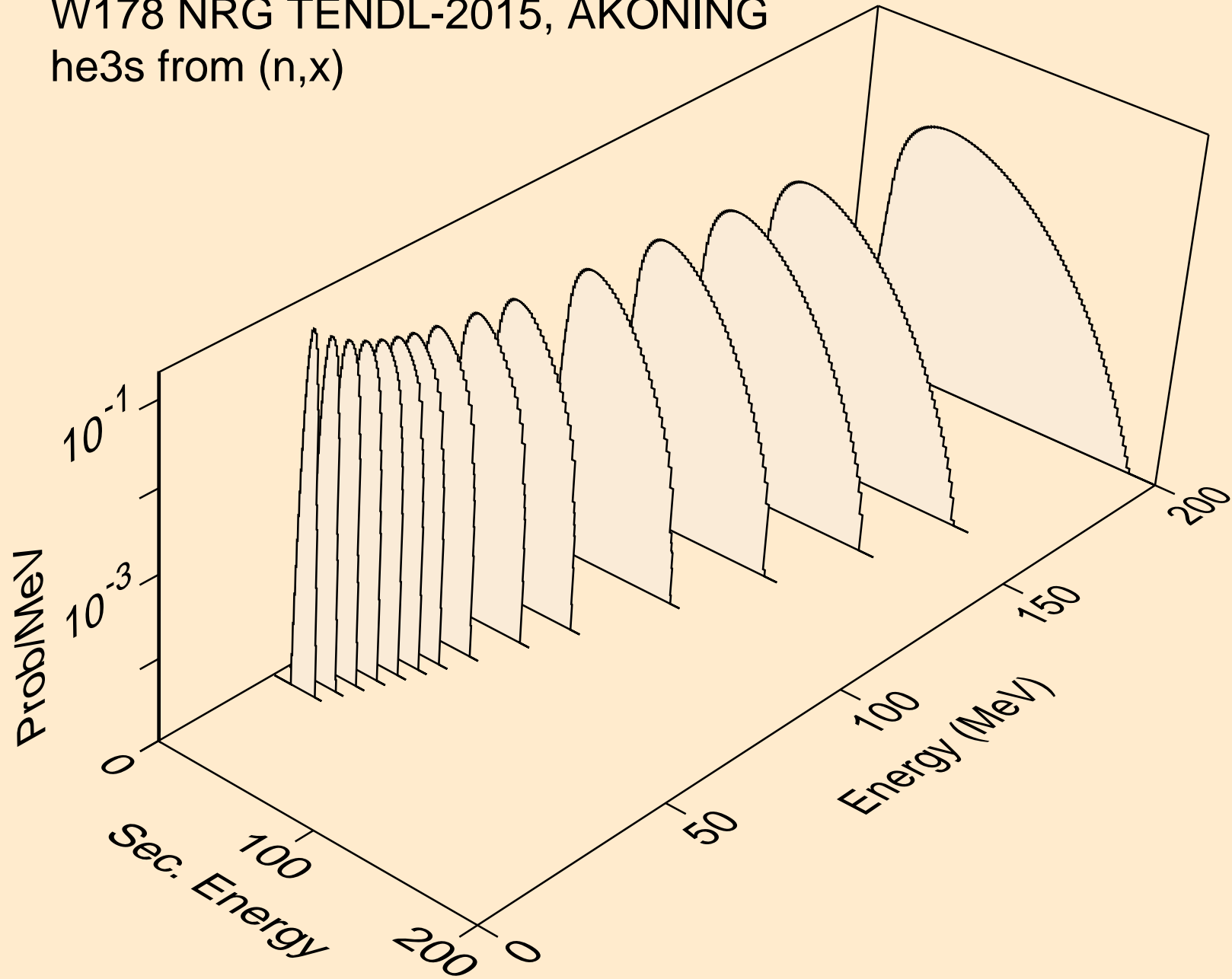
W178 NRG TENDL-2015, AKONING  
tritons from (n,t)



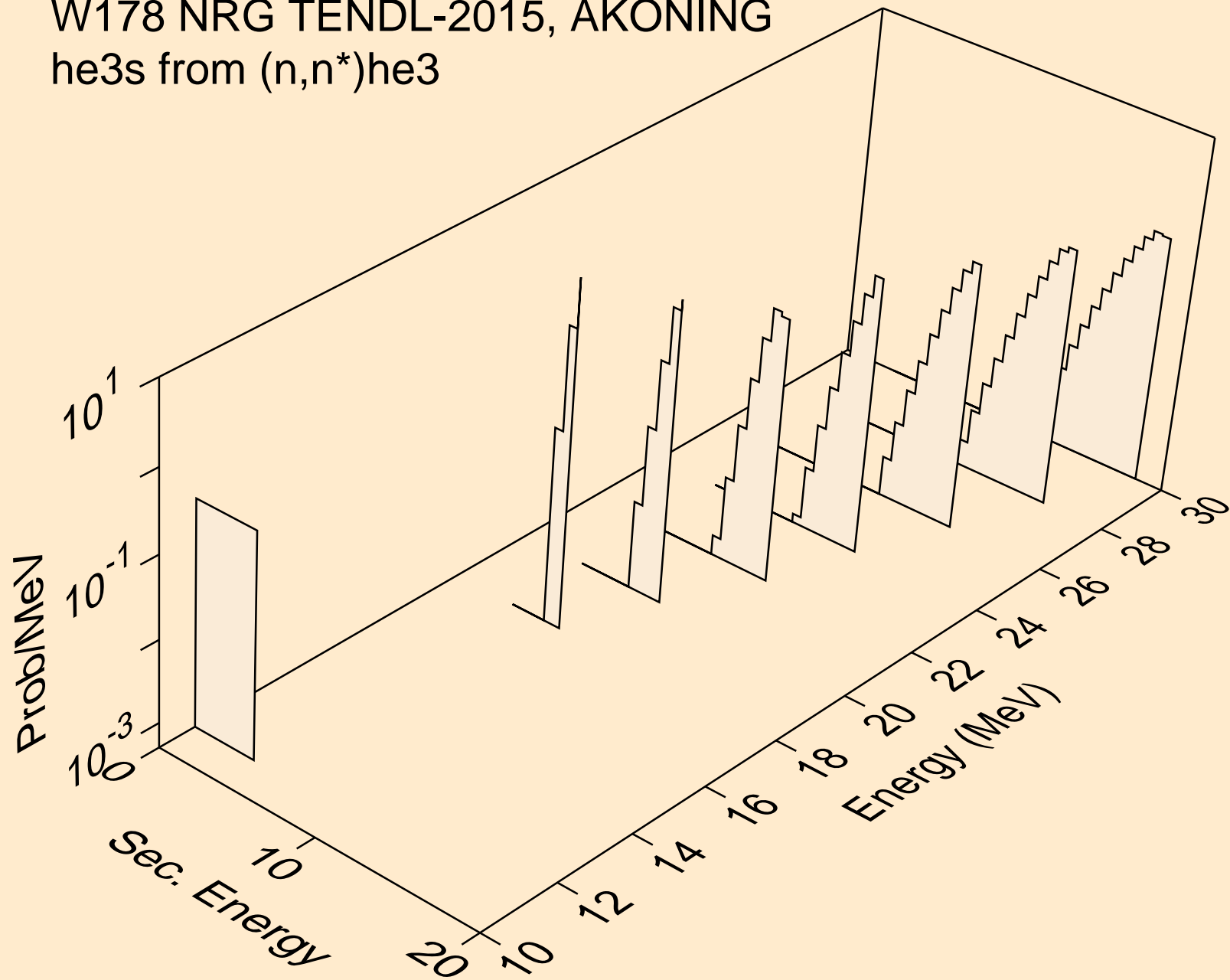
W178 NRG TENDL-2015, AKONING  
tritons from (n,pt)



W178 NRG TENDL-2015, AKONING  
he3s from (n,x)

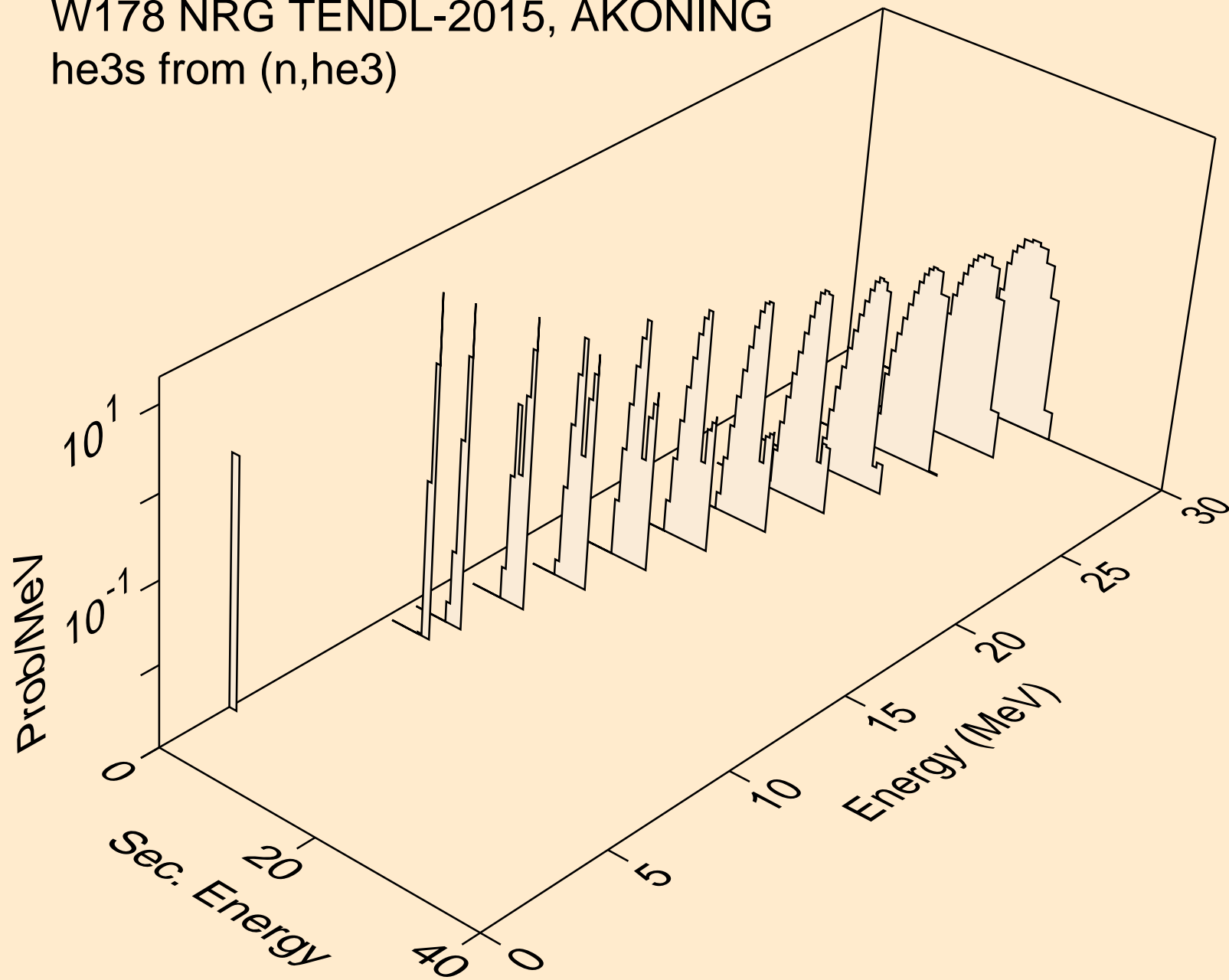


W178 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

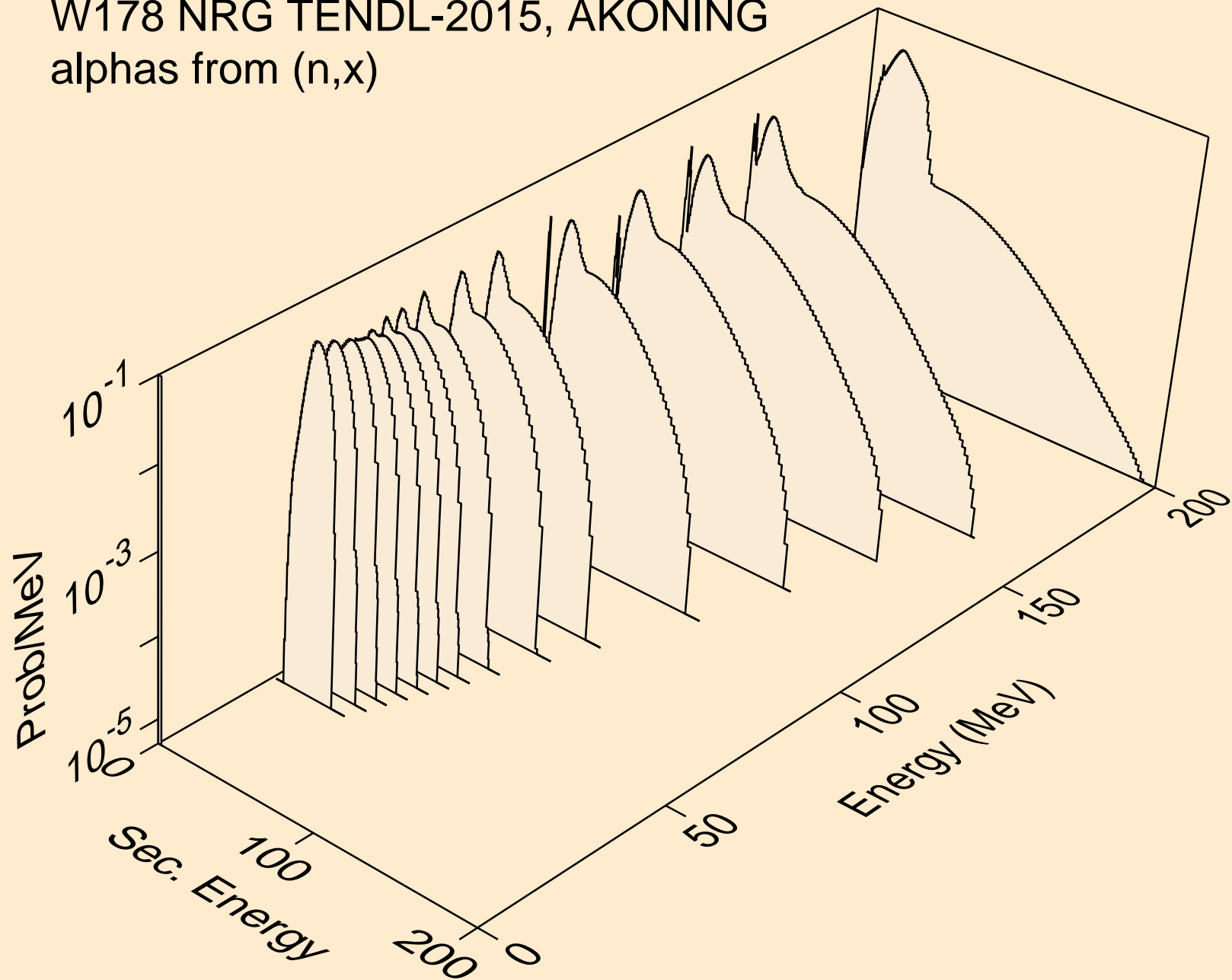




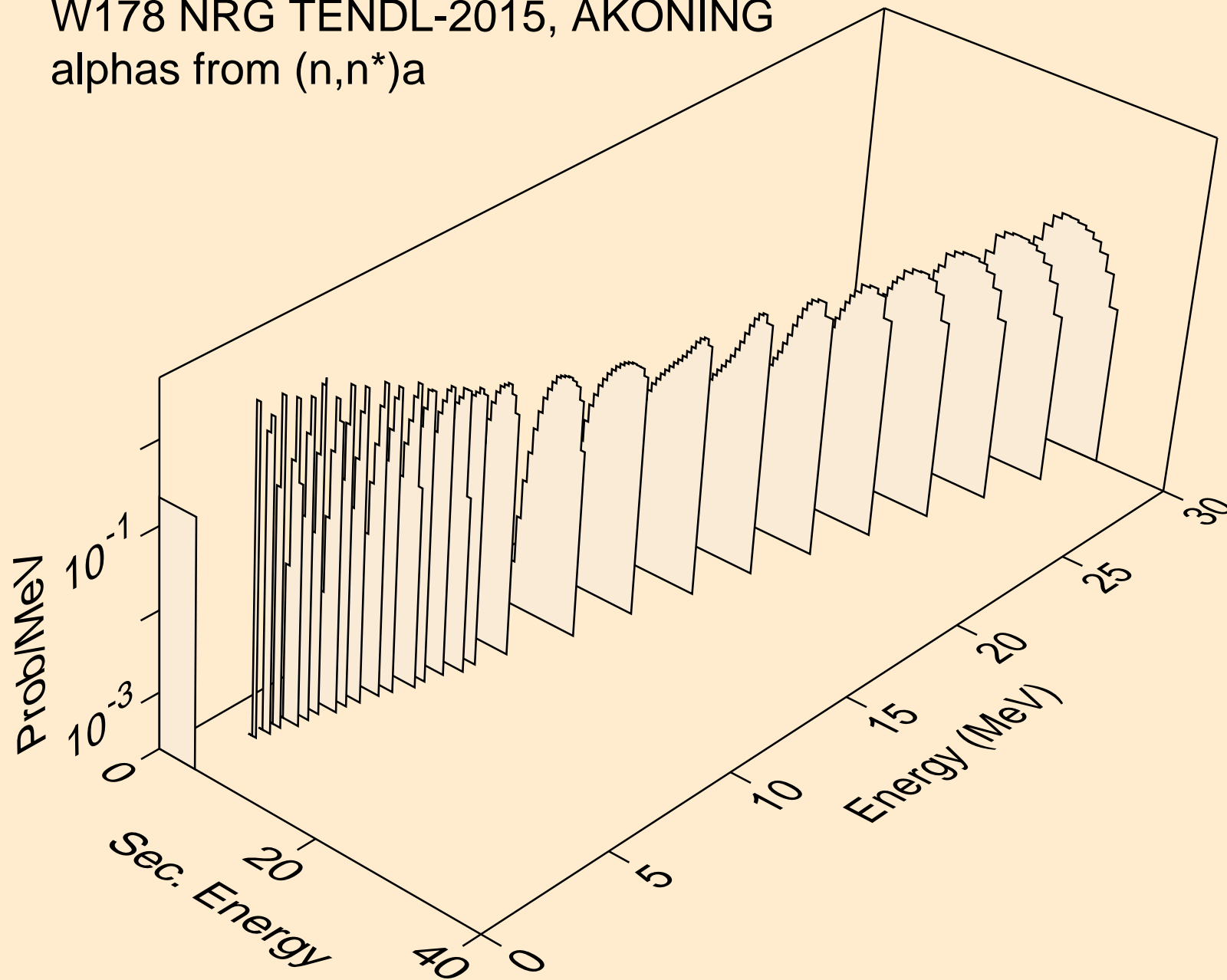
W178 NRG TENDL-2015, AKONING  
he3s from (n,he3)



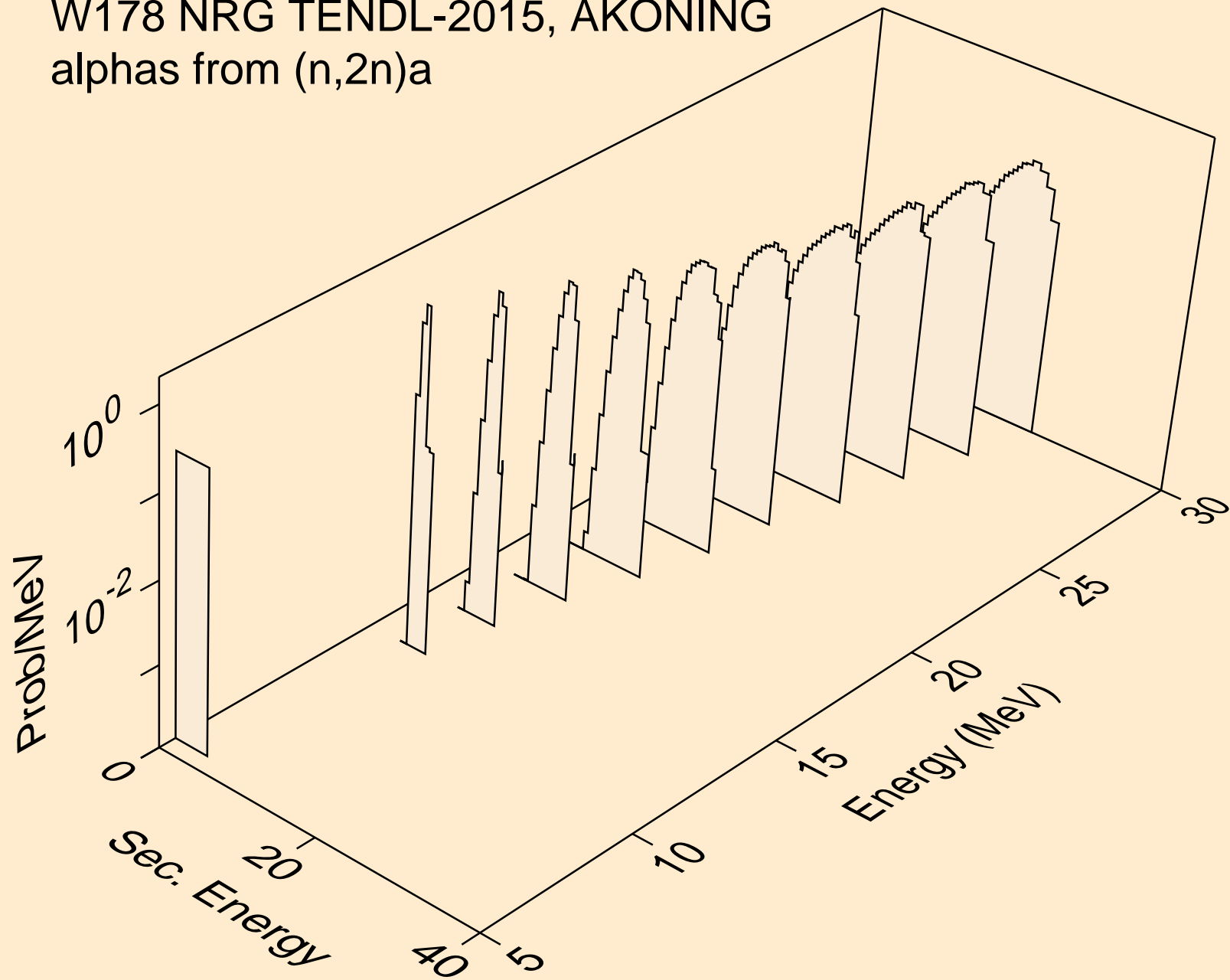
W178 NRG TENDL-2015, AKONING  
alphas from (n,x)



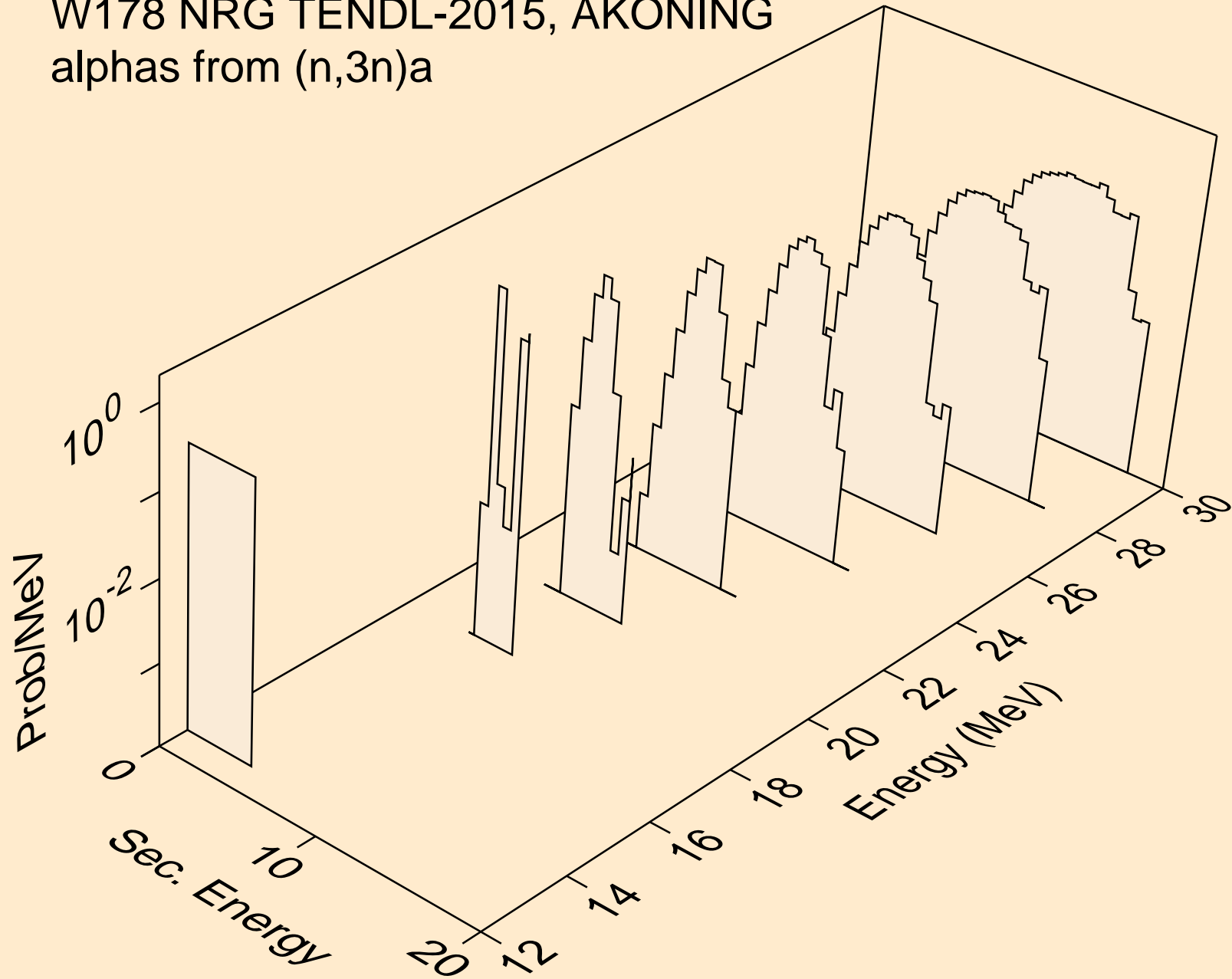
W178 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



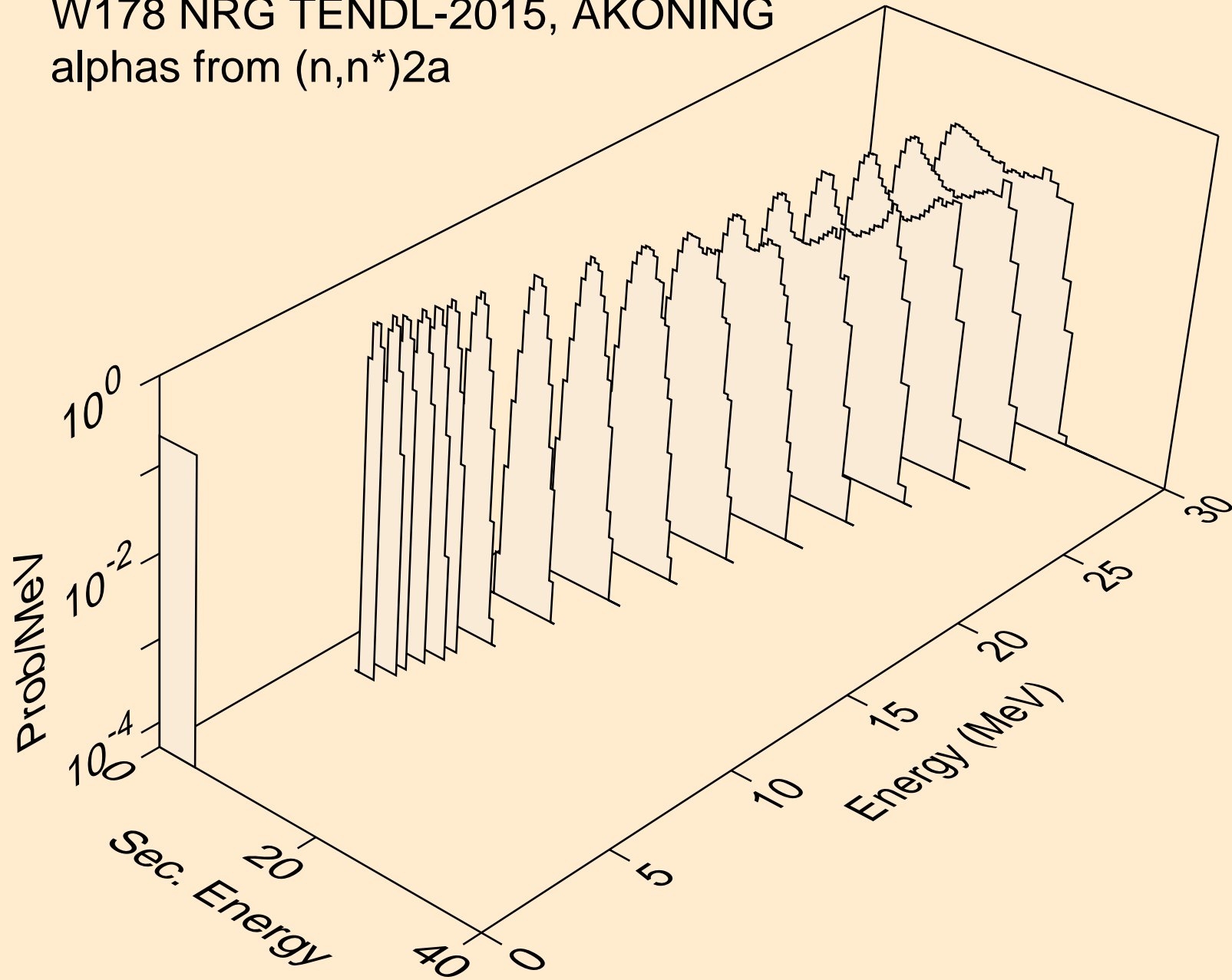
W178 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



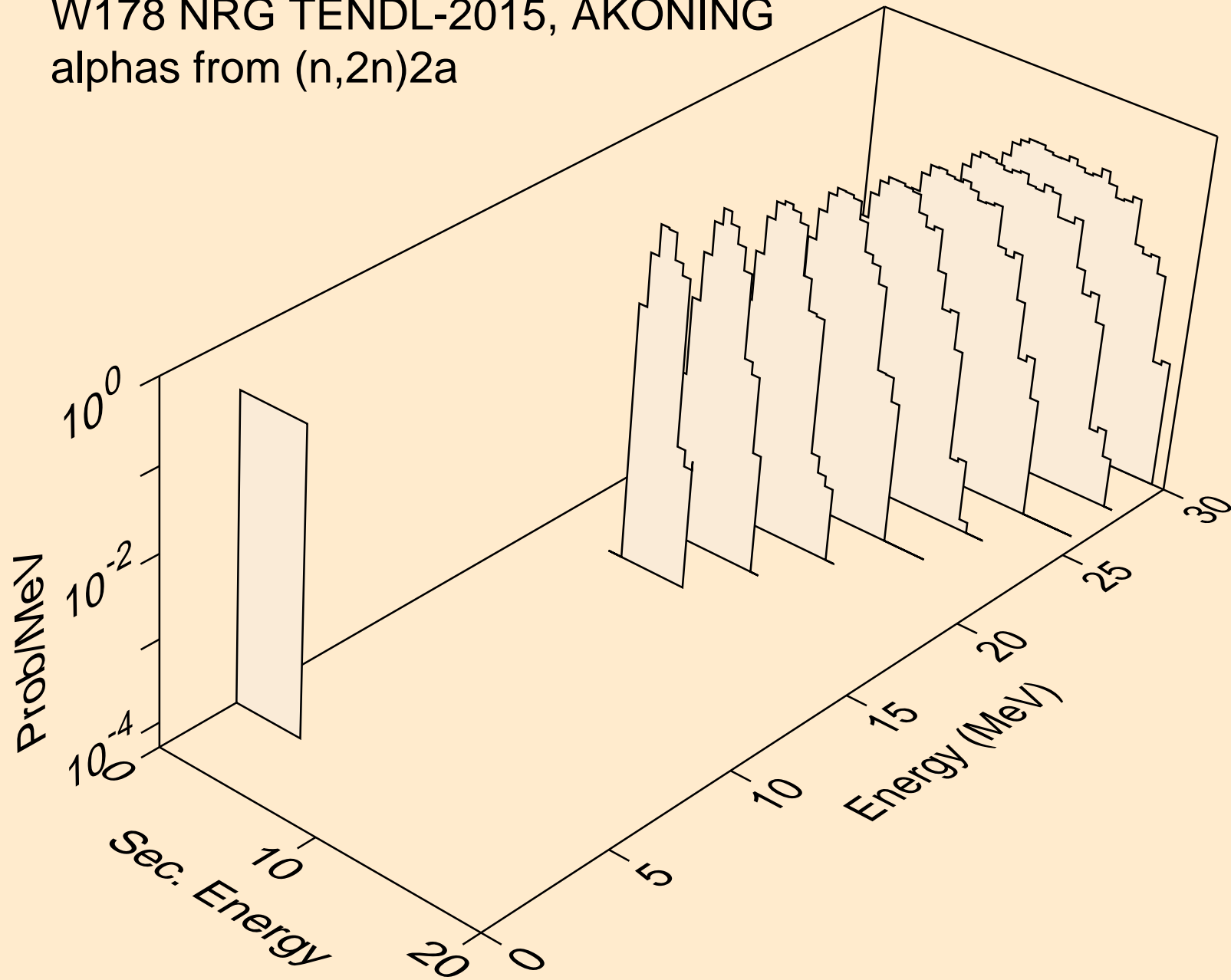
W178 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



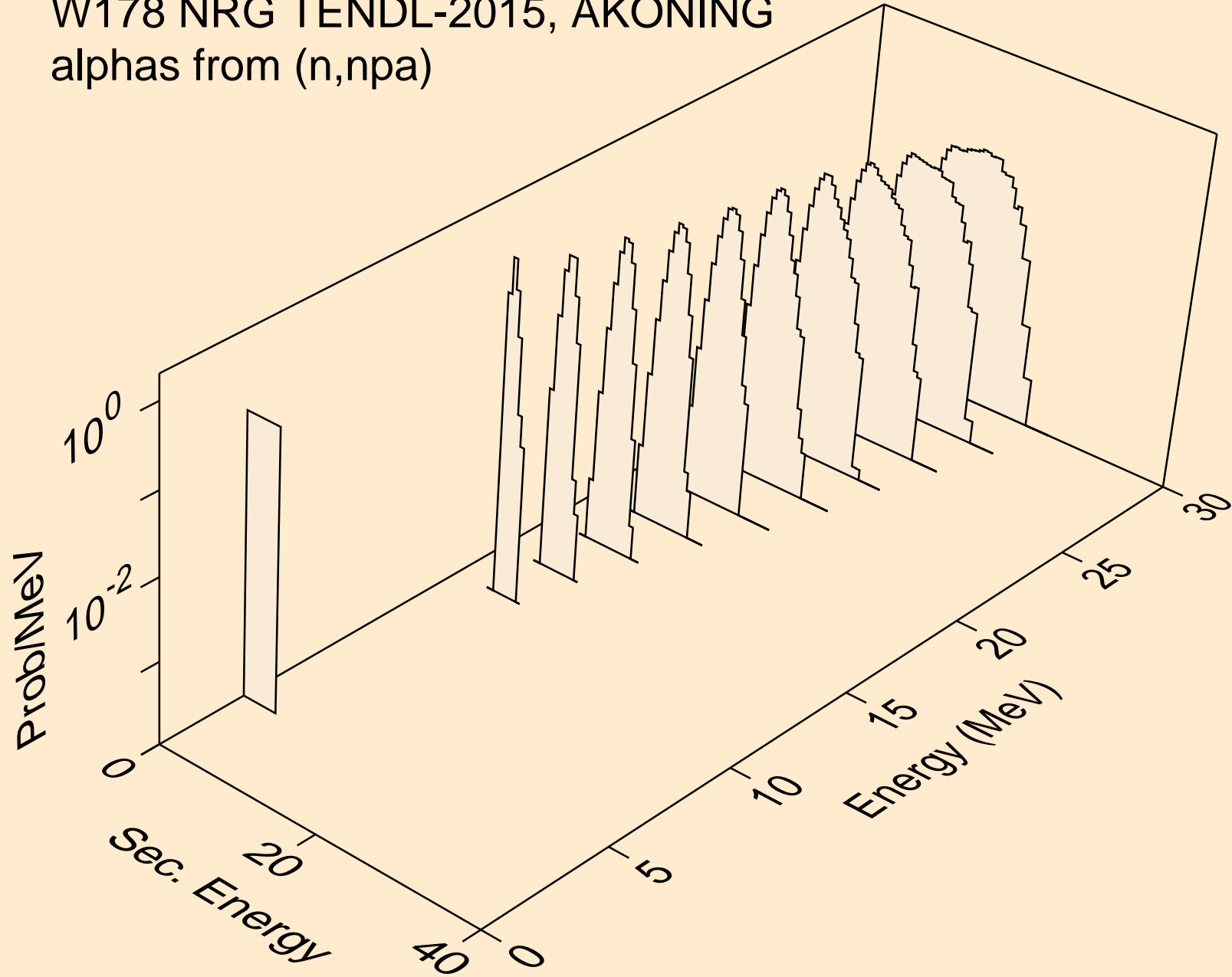
W178 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



W178 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

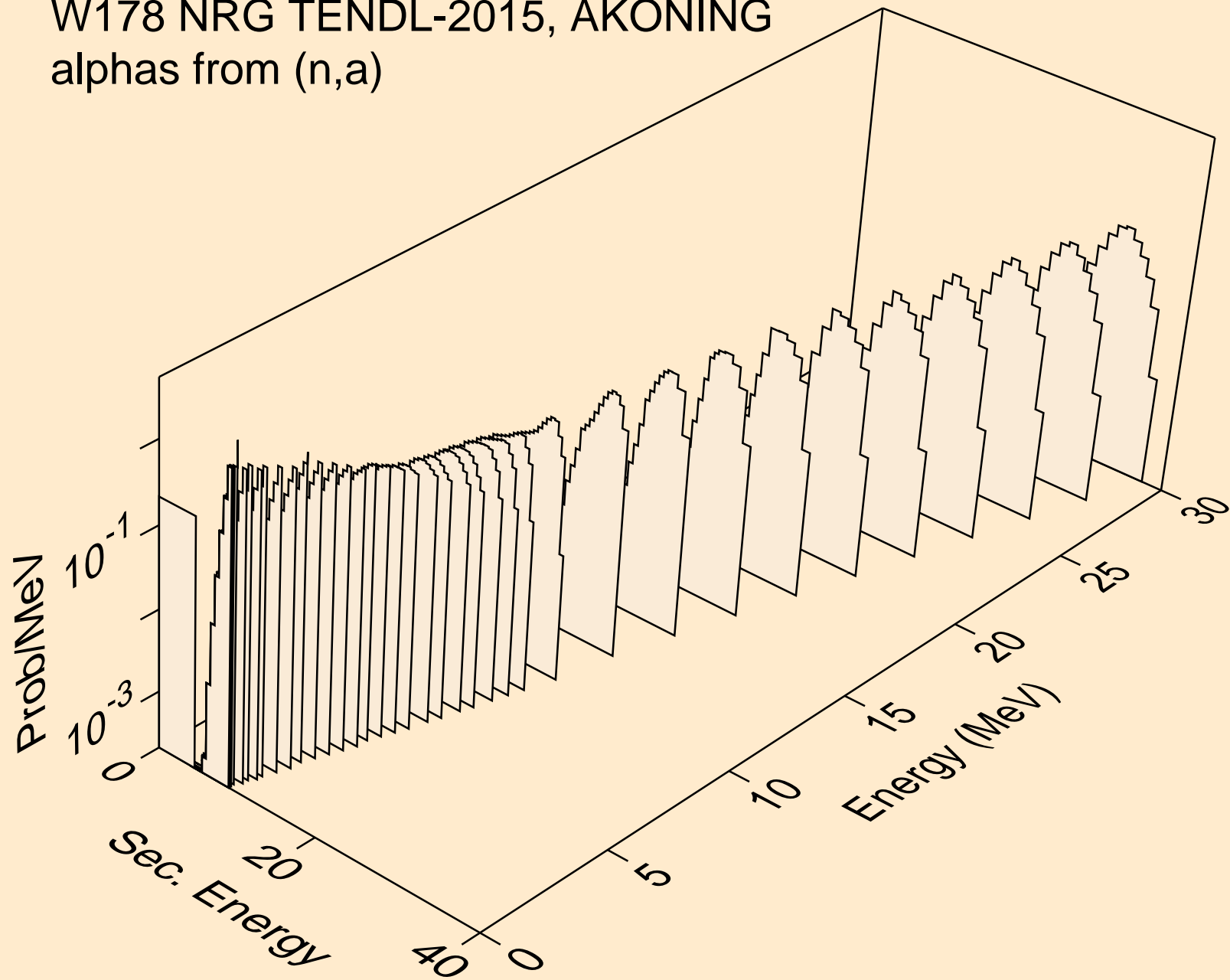


W178 NRG TENDL-2015, AKONING  
alphas from (n,npa)

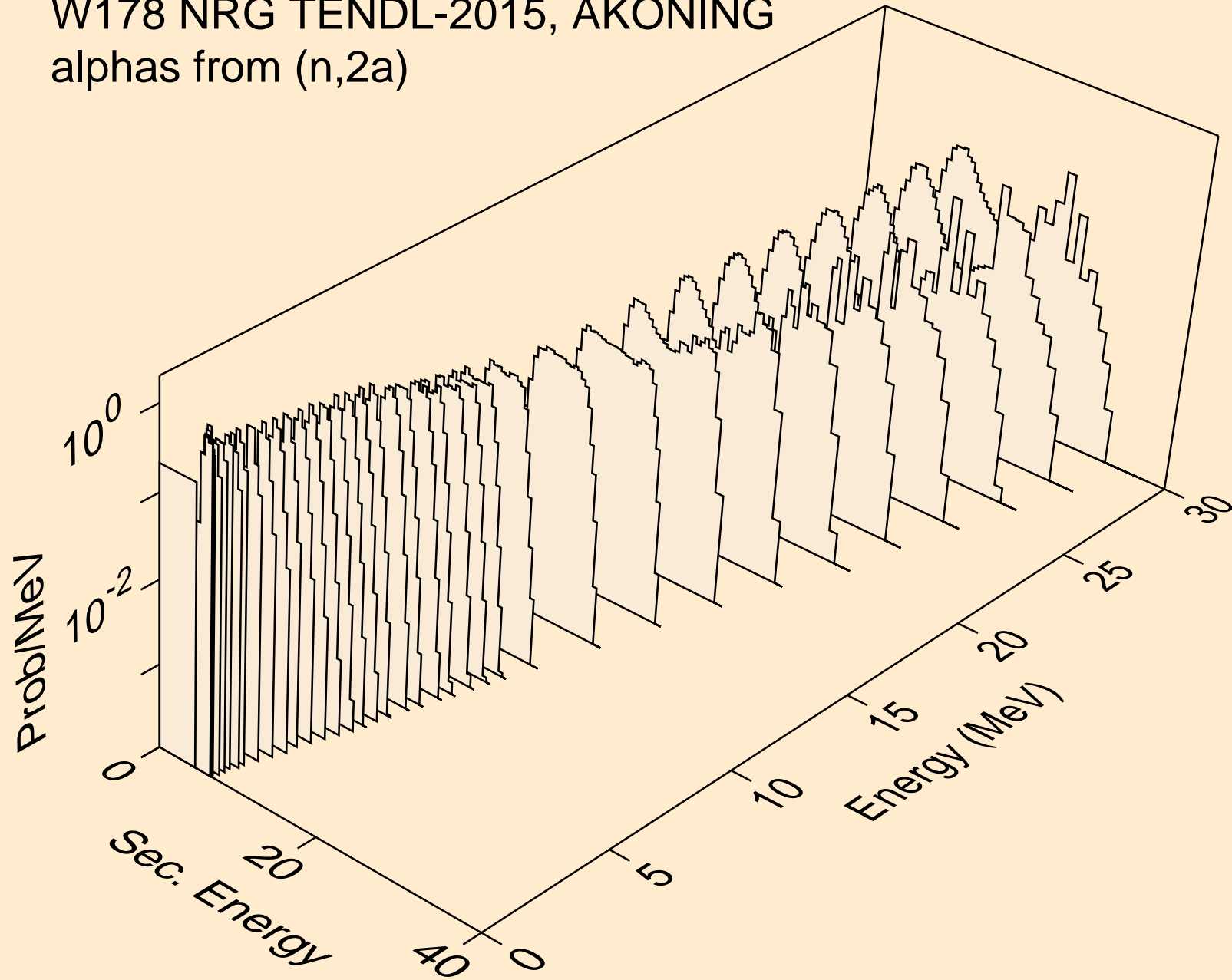




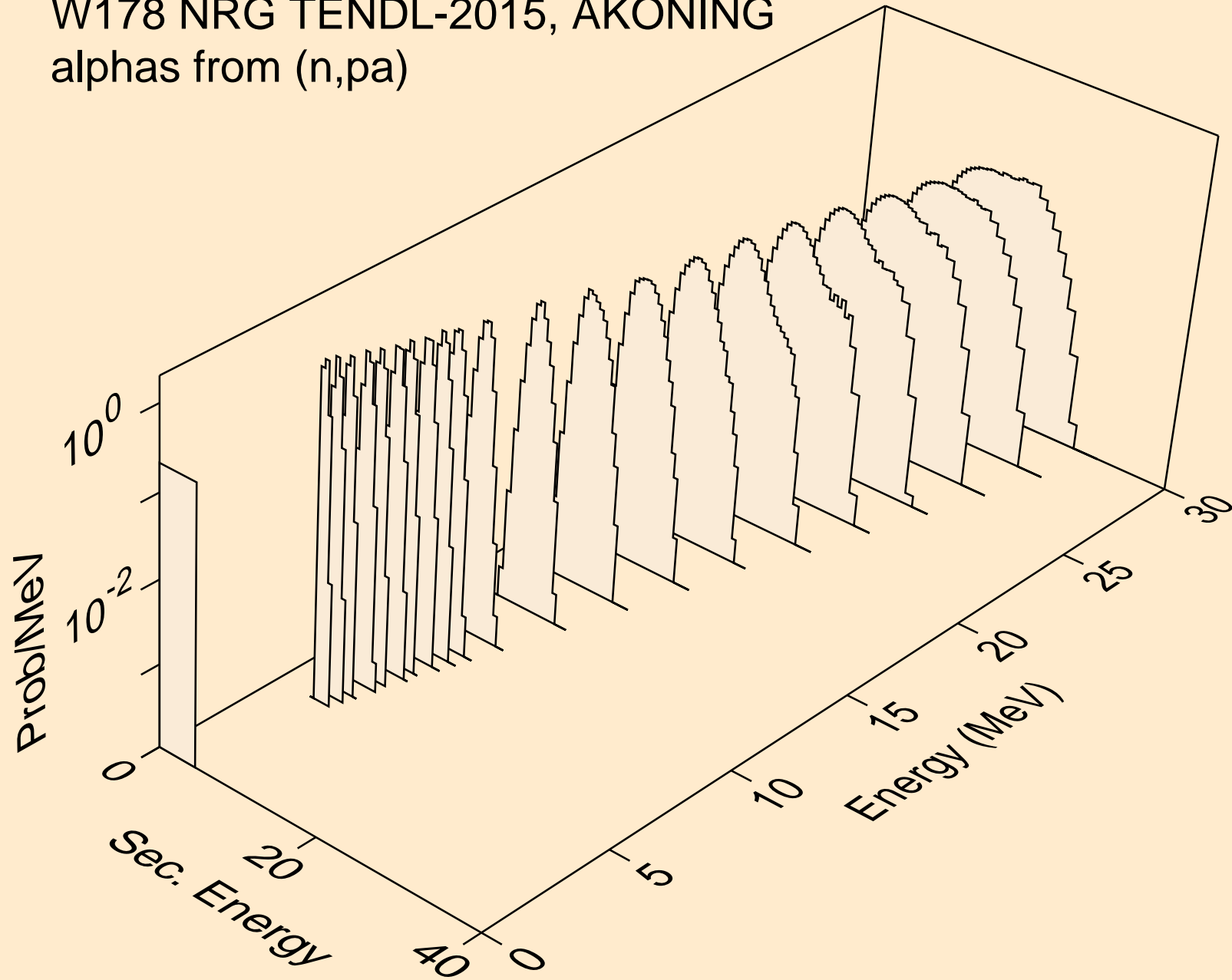
W178 NRG TENDL-2015, AKONING  
alphas from (n,a)



W178 NRG TENDL-2015, AKONING  
alphas from (n,2a)



W178 NRG TENDL-2015, AKONING  
alphas from (n,pa)



W178 NRG TENDL-2015, AKONING  
alphas from (n,da)

