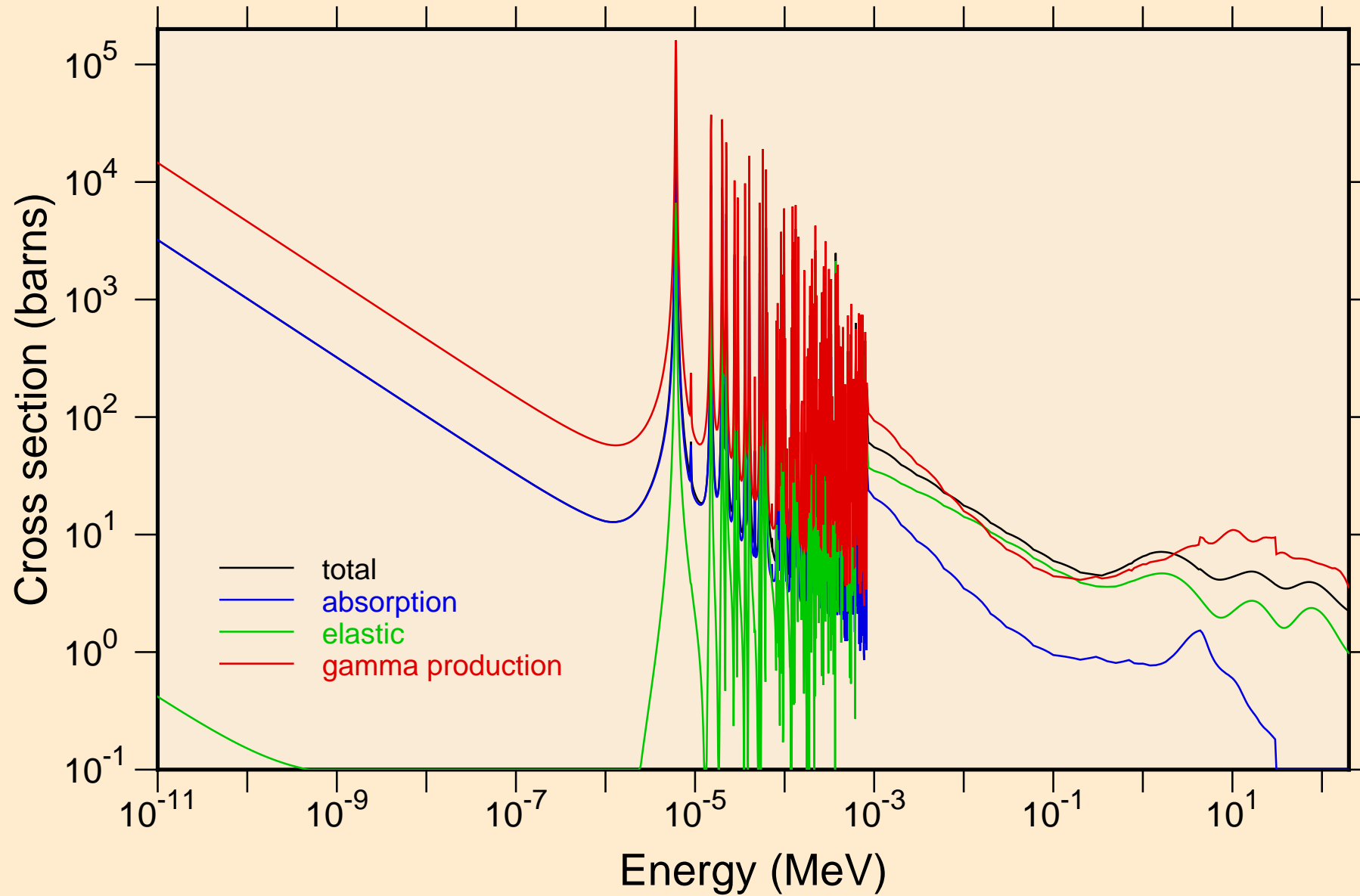
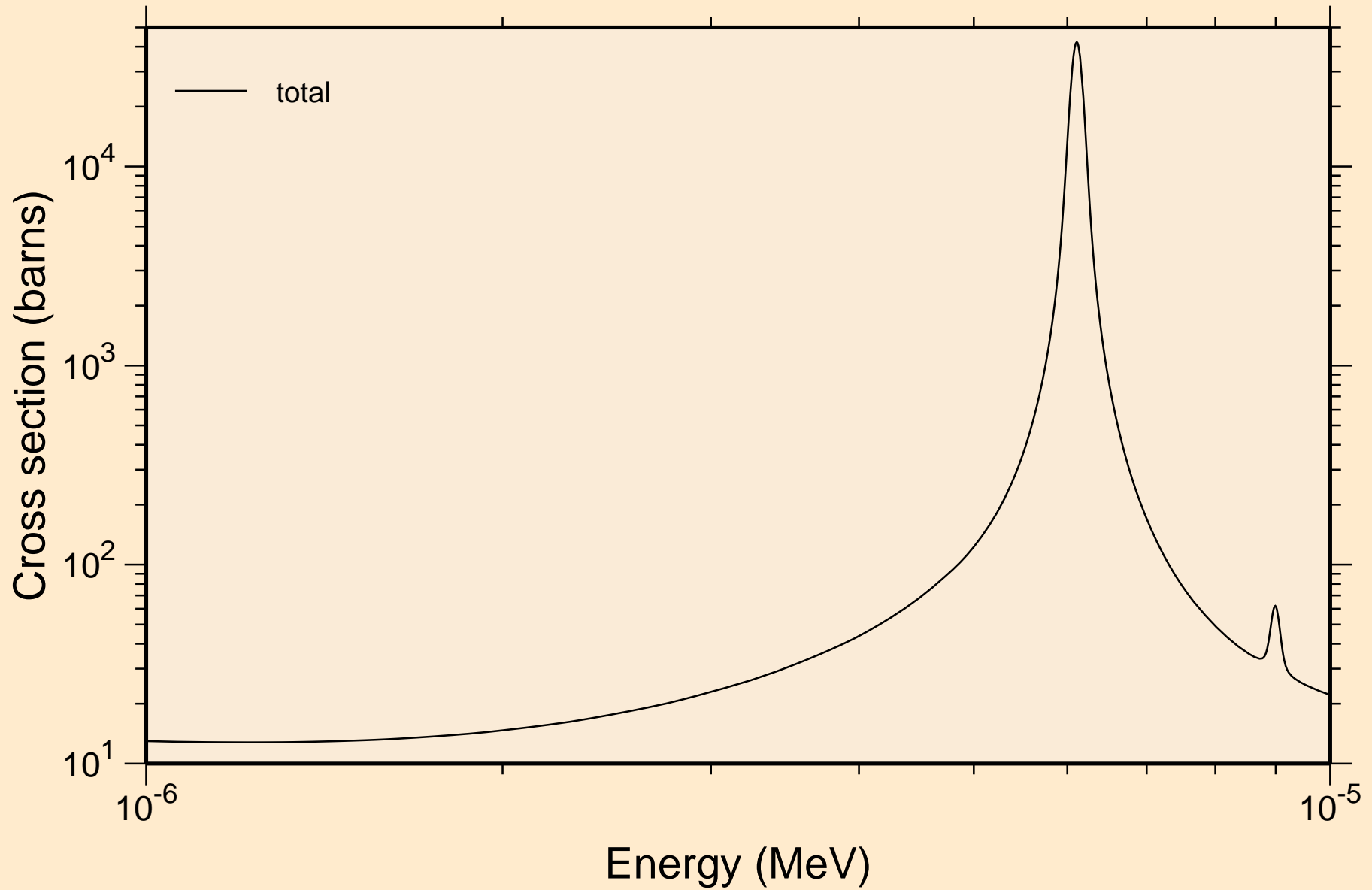


# SM138 NRG TENDL-2015, AKONING

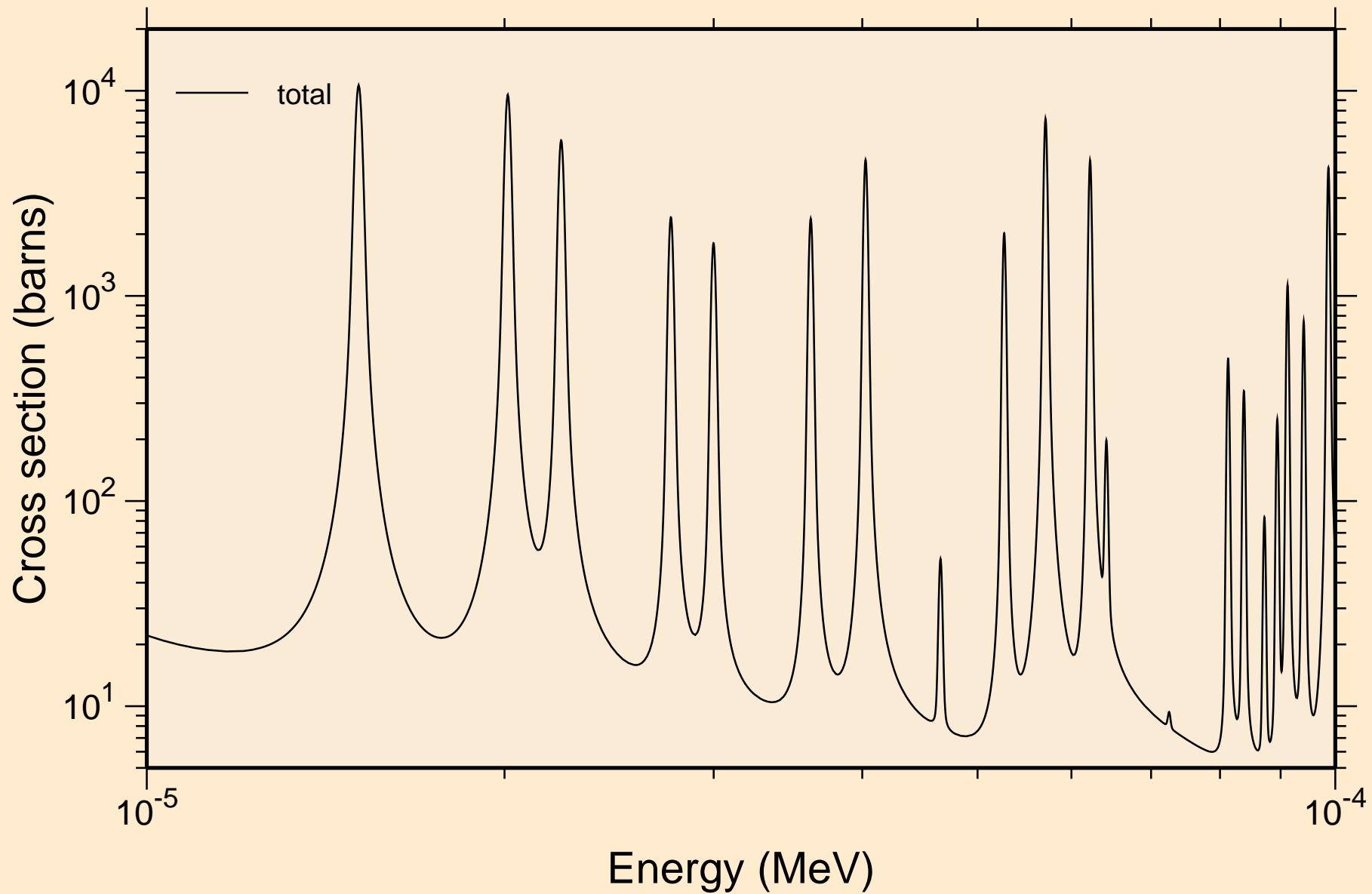
## Principal cross sections



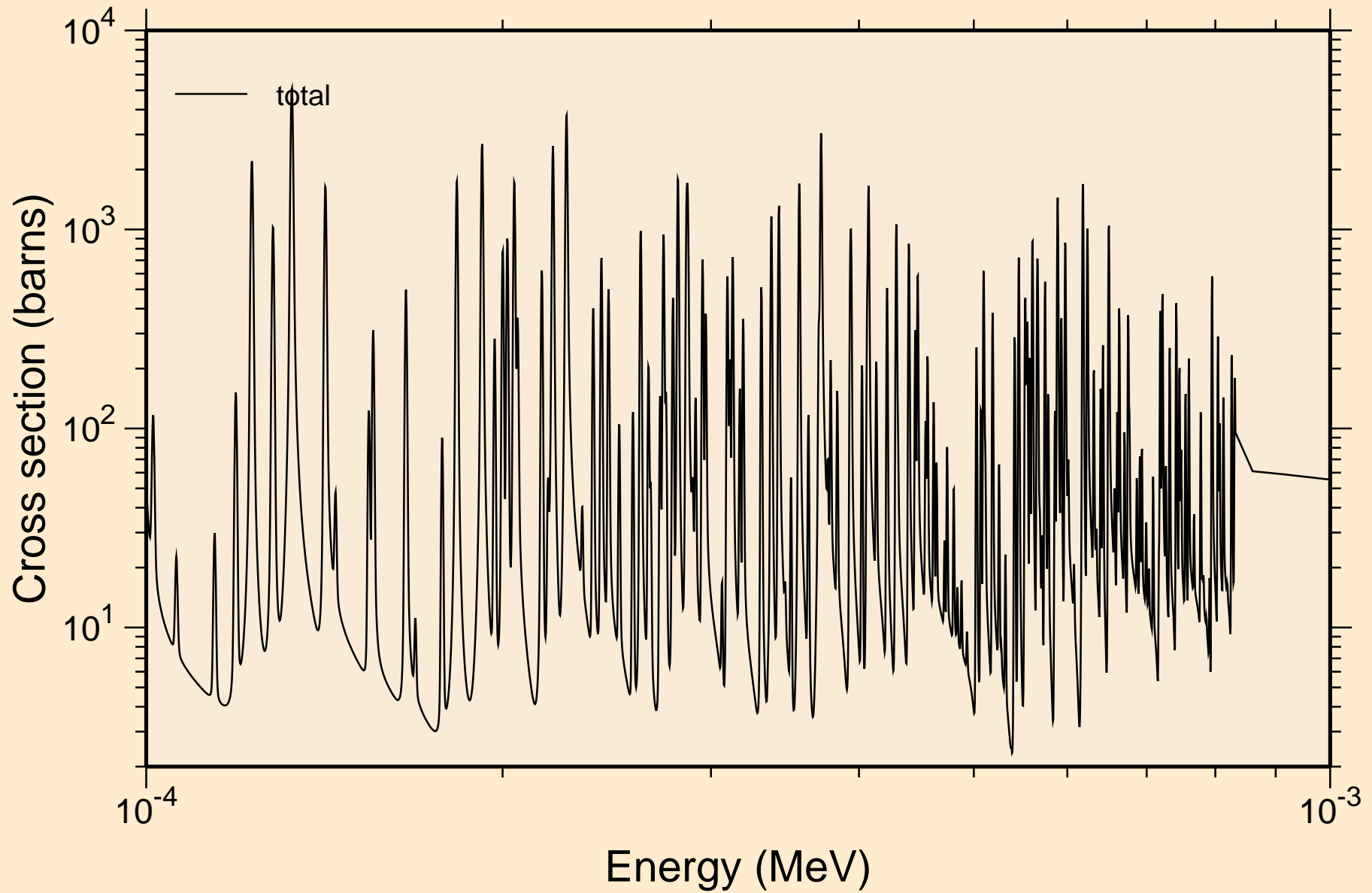
SM138 NRG TENDL-2015, AKONING  
resonance total cross section



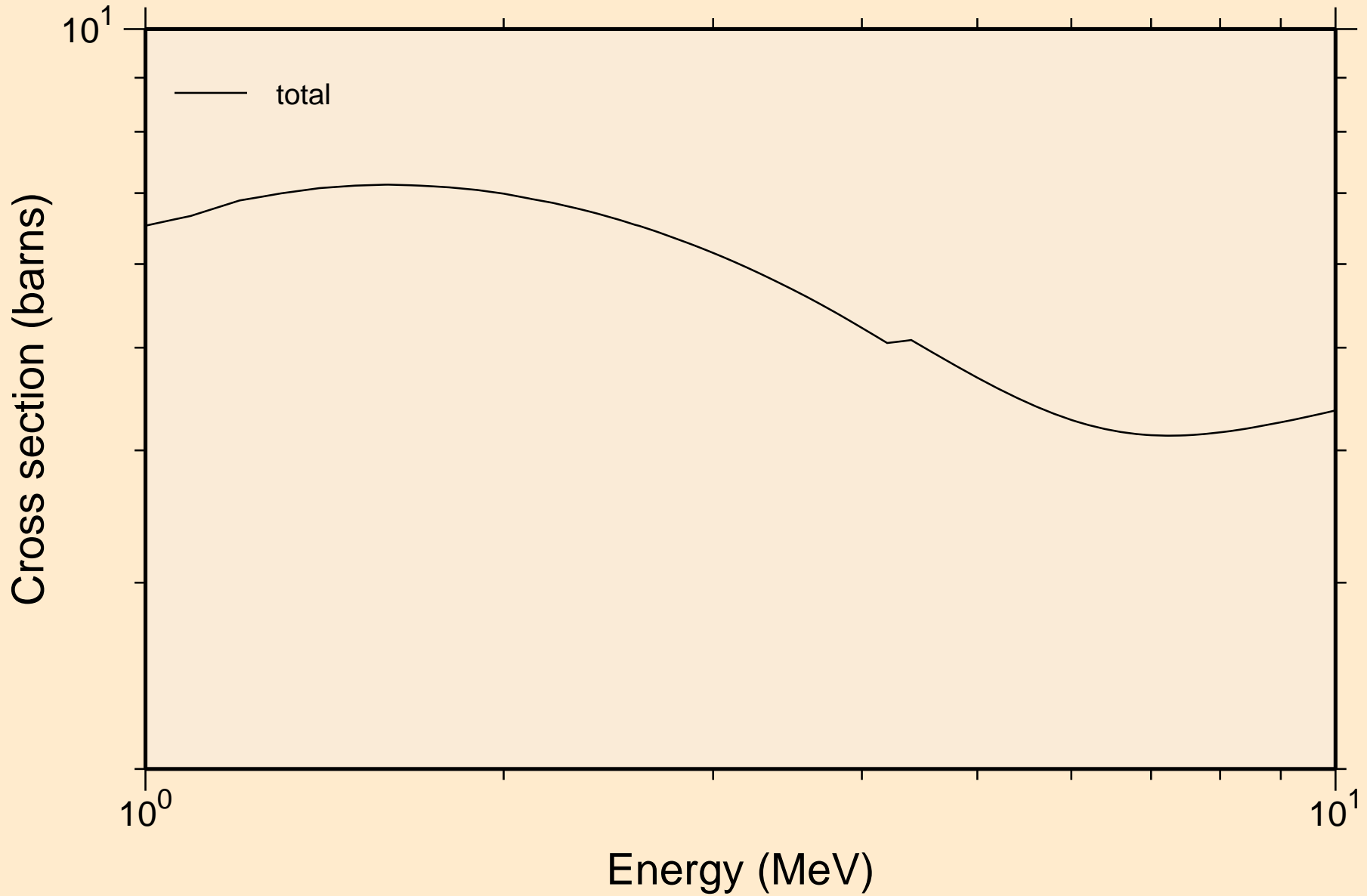
SM138 NRG TENDL-2015, AKONING  
resonance total cross section



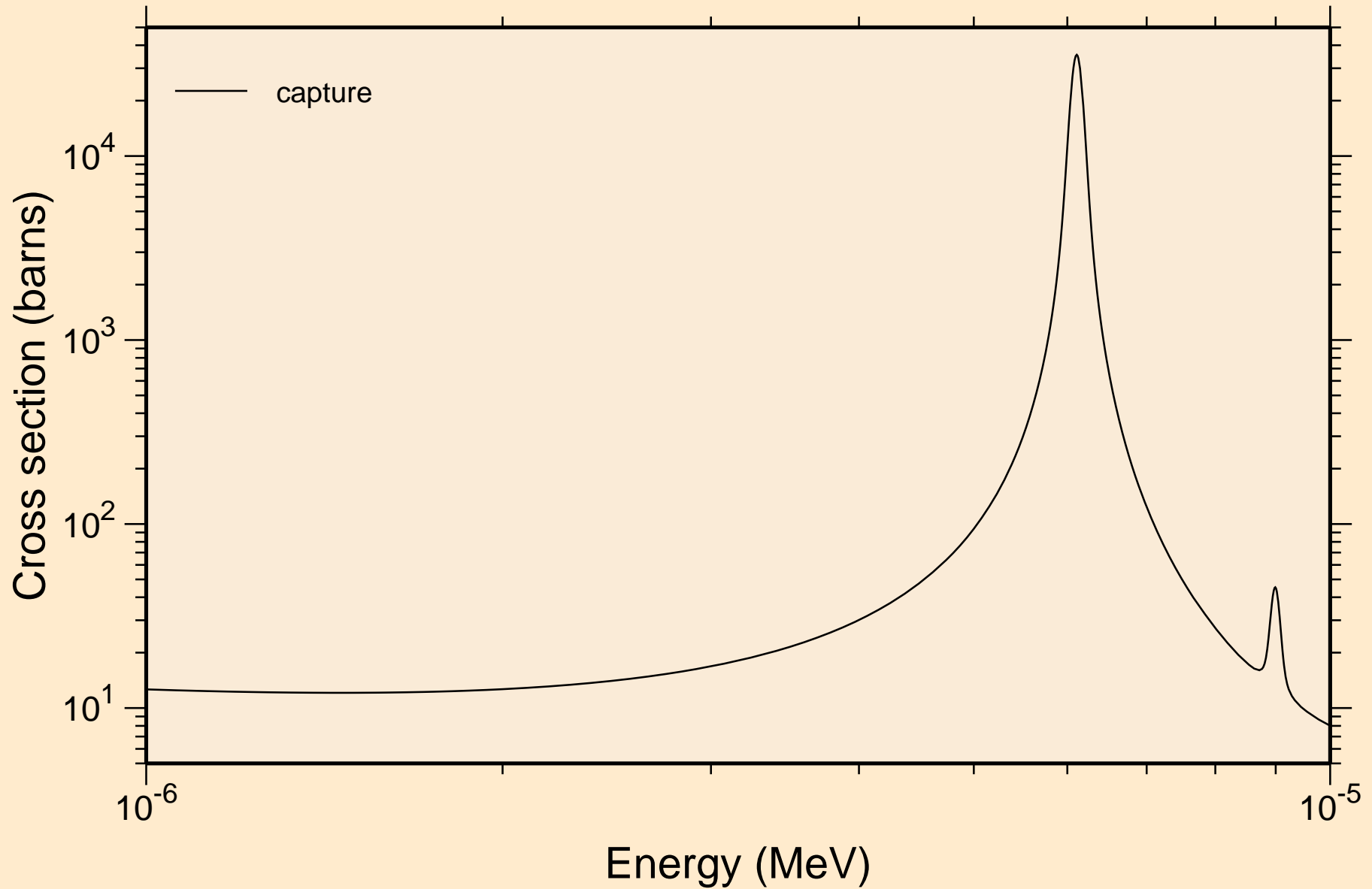
SM138 NRG TENDL-2015, AKONING  
resonance total cross section



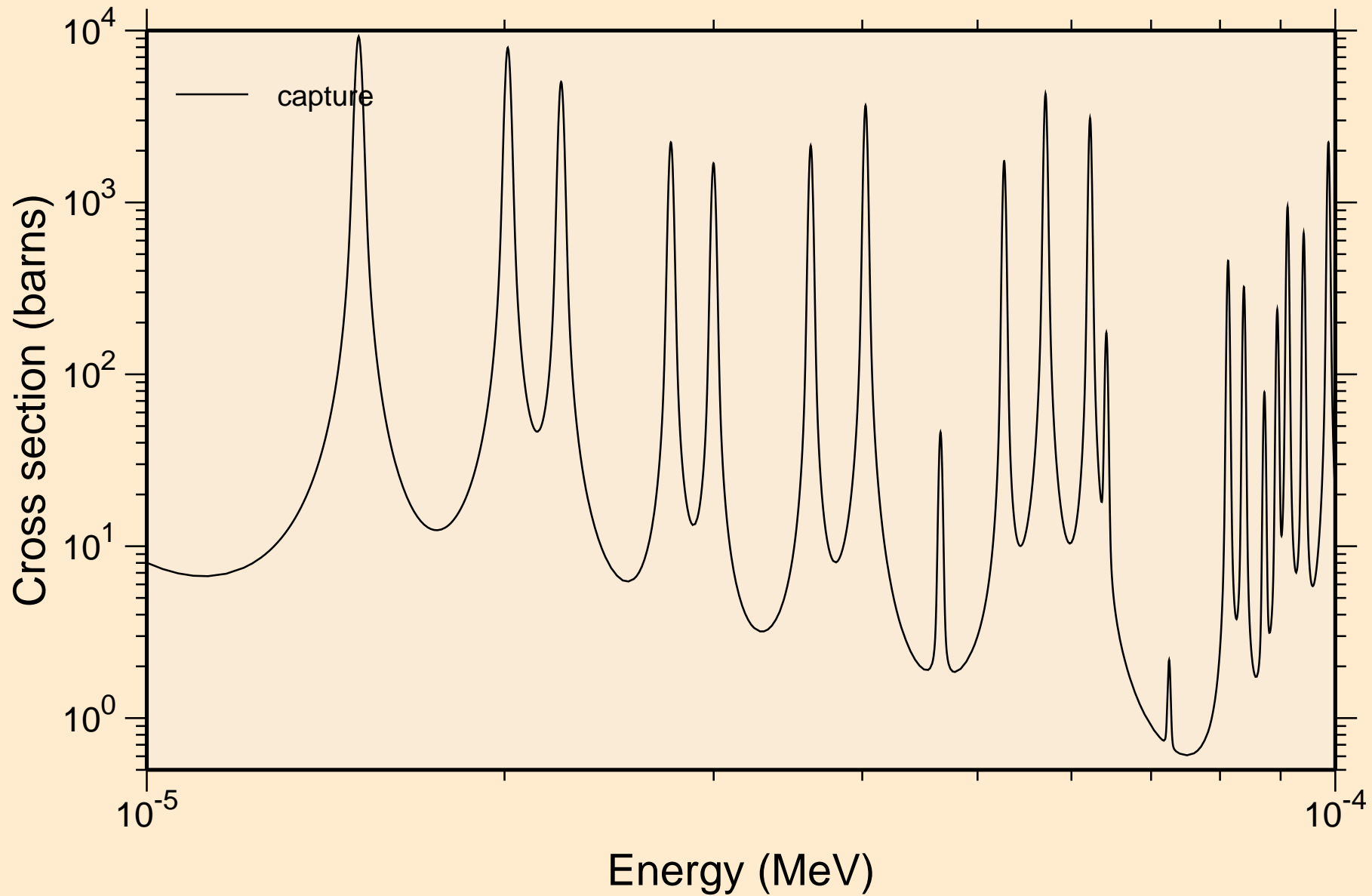
SM138 NRG TENDL-2015, AKONING  
resonance total cross section



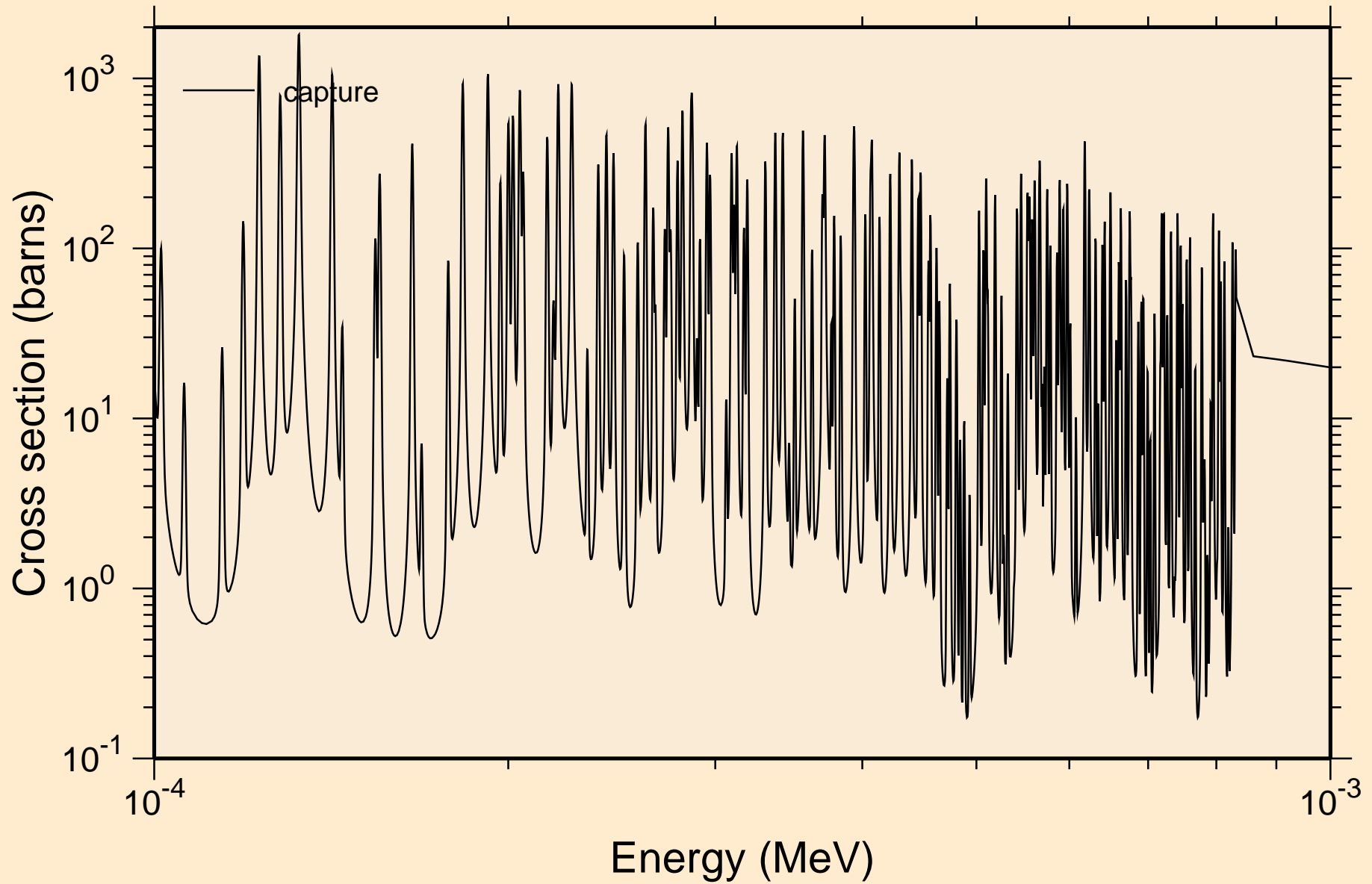
SM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections



SM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections

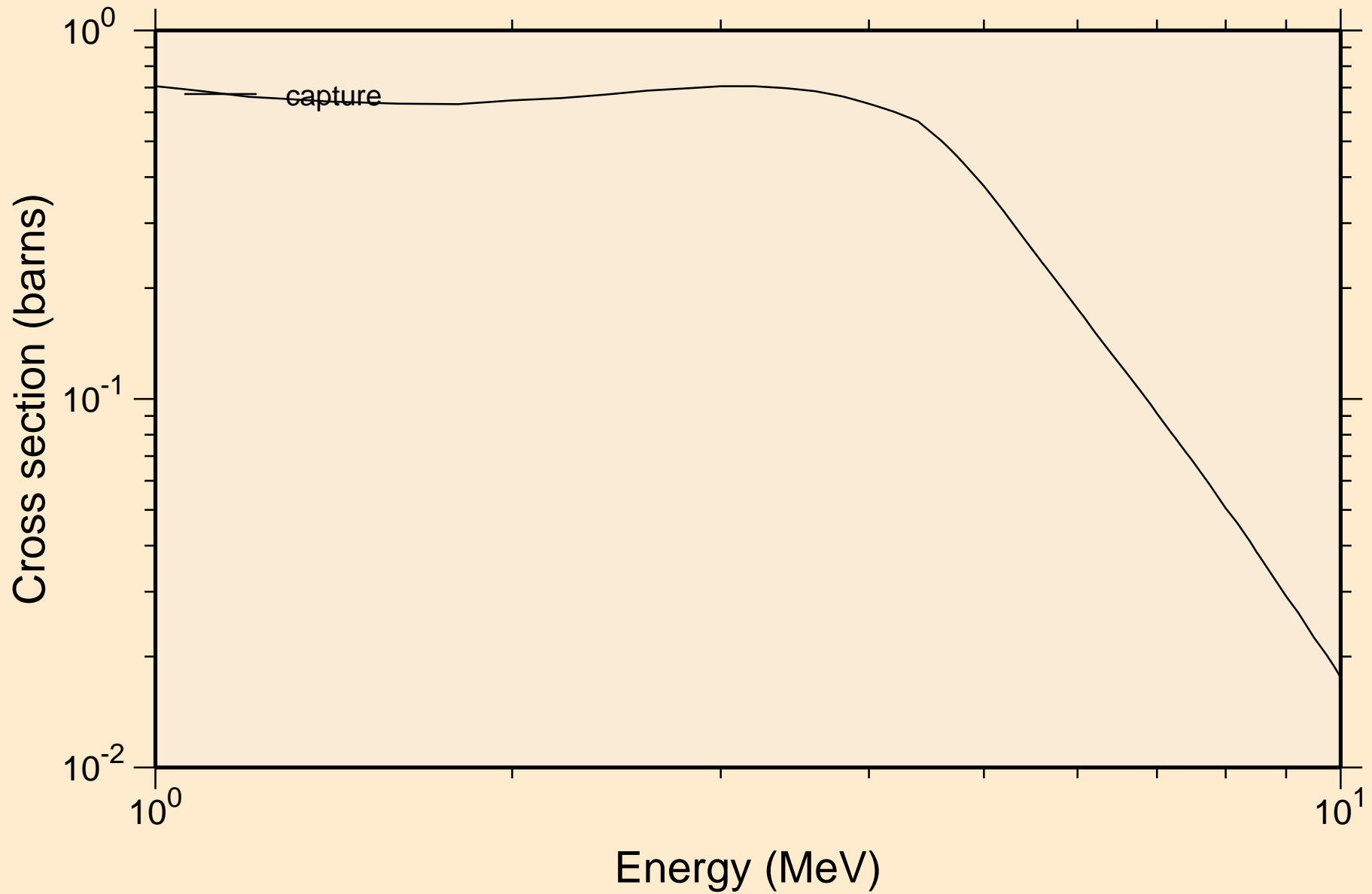


SM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections



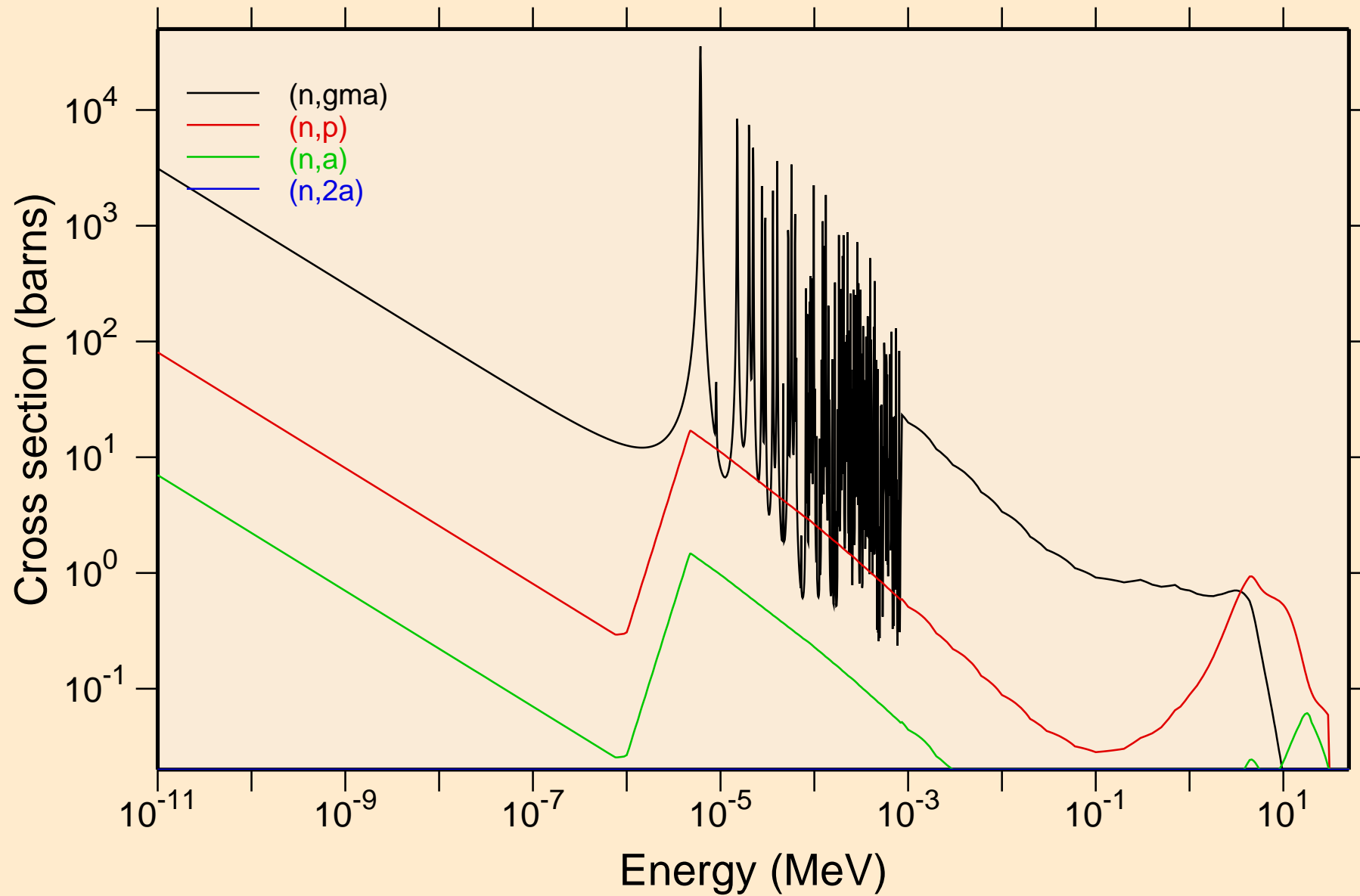


SM138 NRG TENDL-2015, AKONING  
resonance absorption cross sections



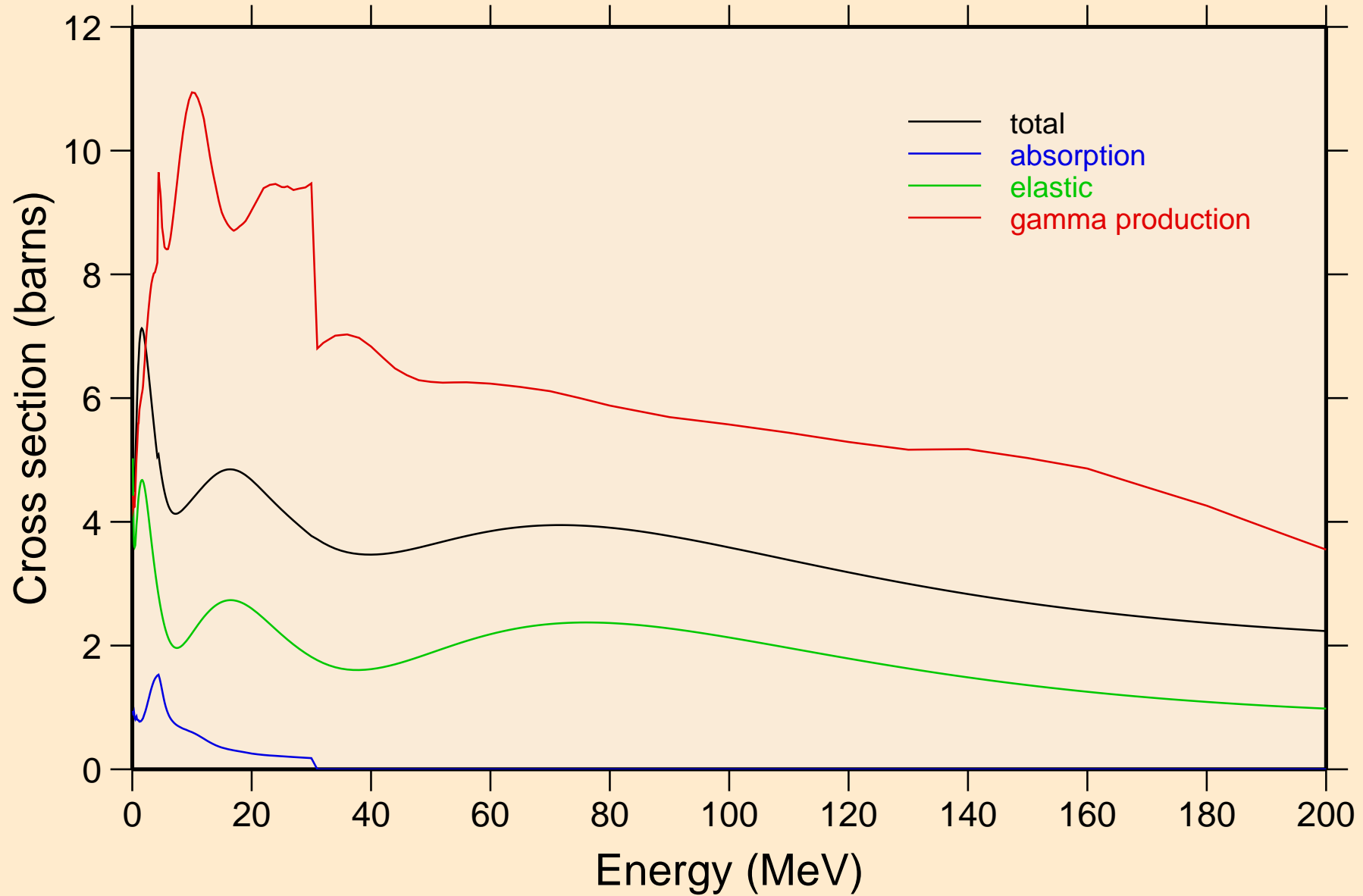
# SM138 NRG TENDL-2015, AKONING

## Non-threshold reactions



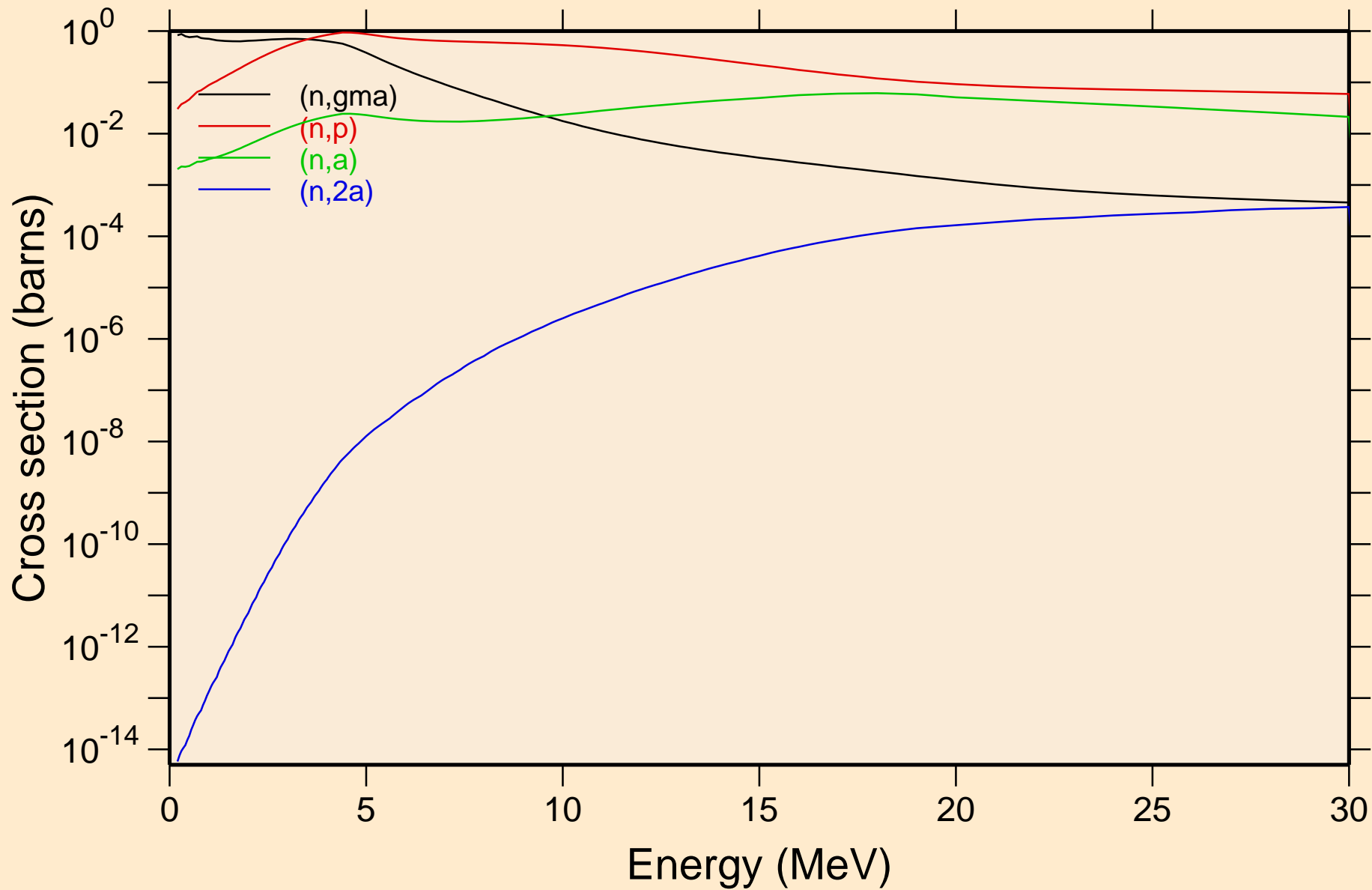
# SM138 NRG TENDL-2015, AKONING

## Principal cross sections



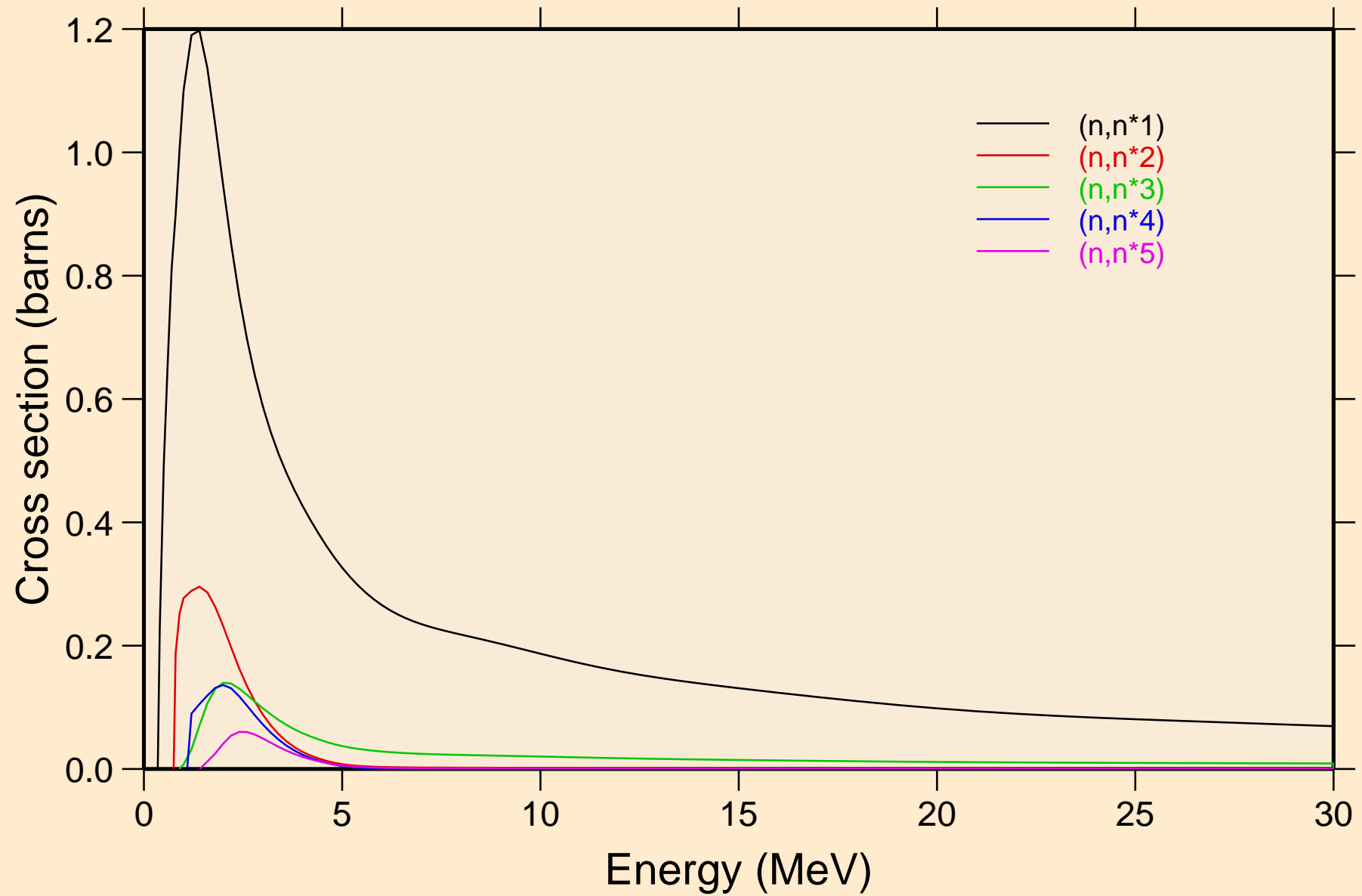
# SM138 NRG TENDL-2015, AKONING

## Non-threshold reactions



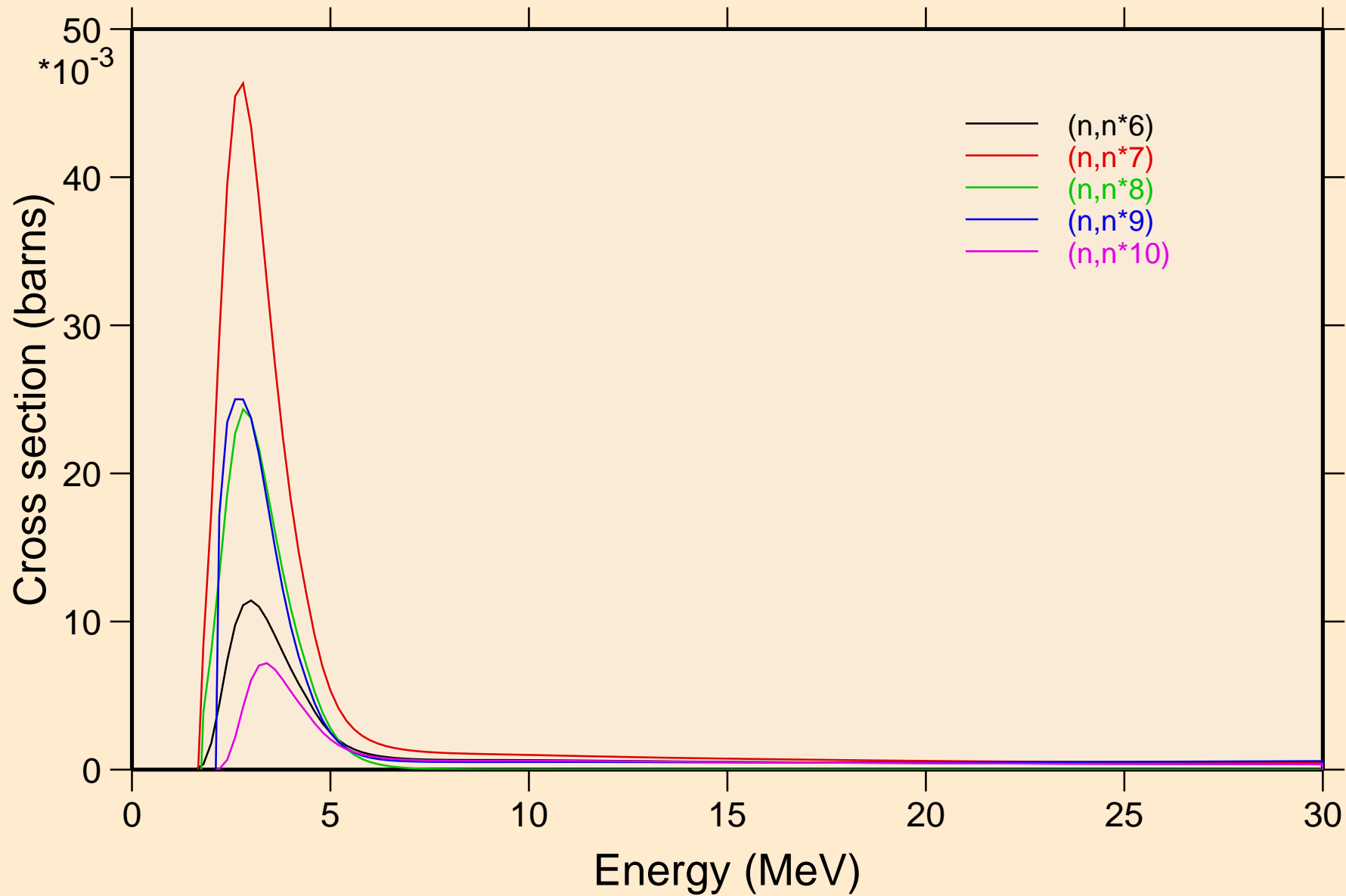
# SM138 NRG TENDL-2015, AKONING

## Inelastic levels



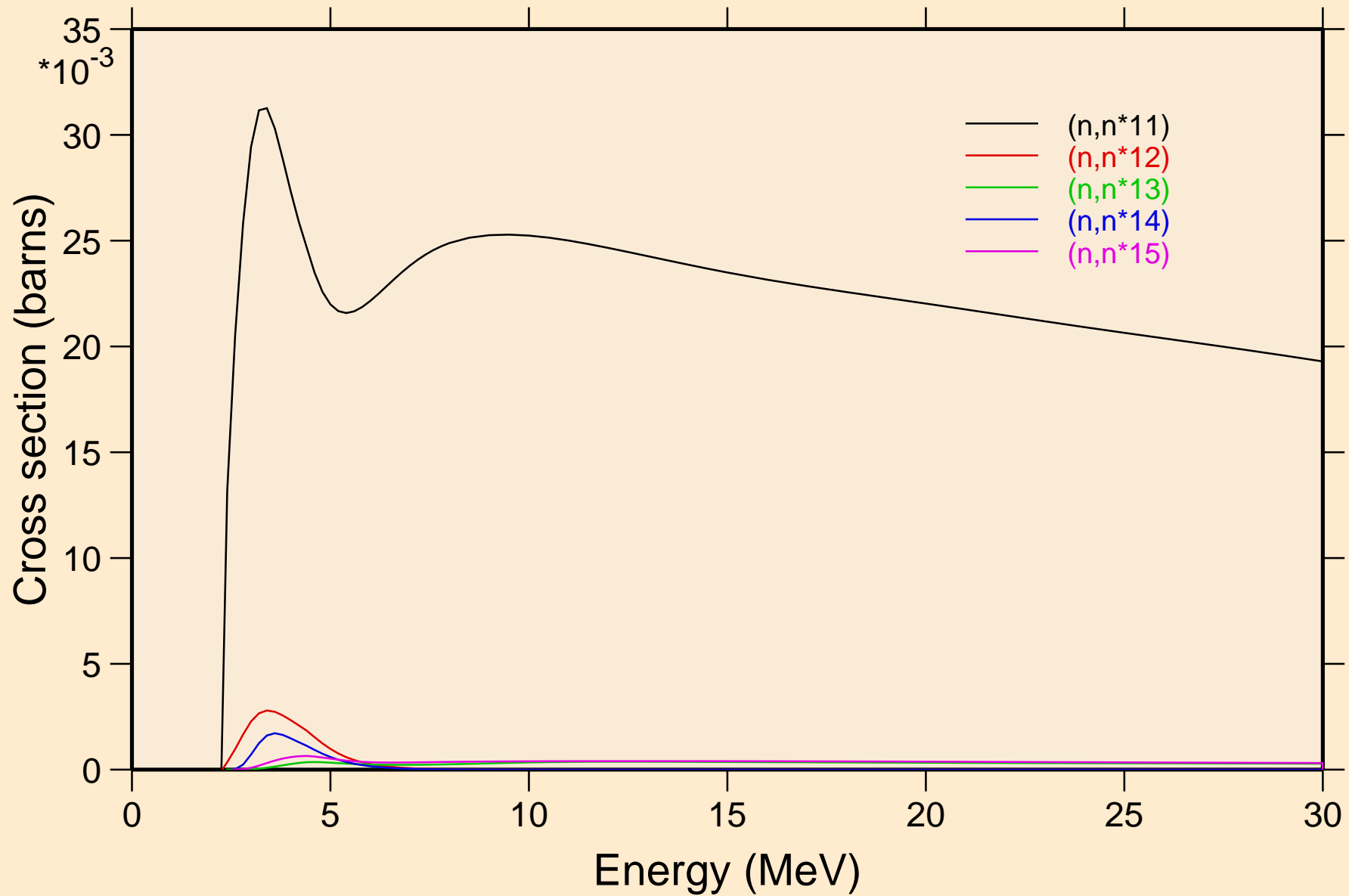
# SM138 NRG TENDL-2015, AKONING

## Inelastic levels

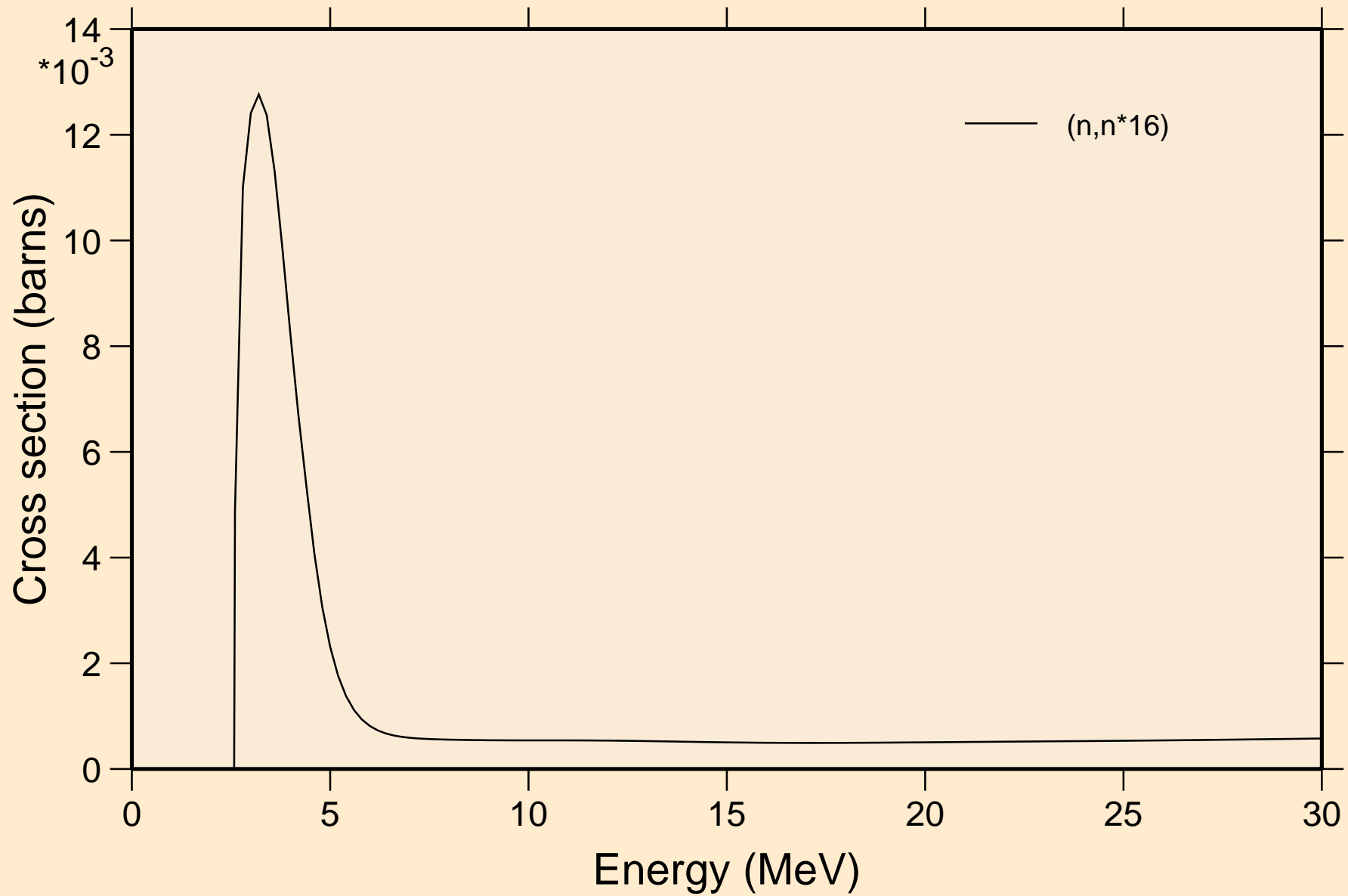


# SM138 NRG TENDL-2015, AKONING

## Inelastic levels



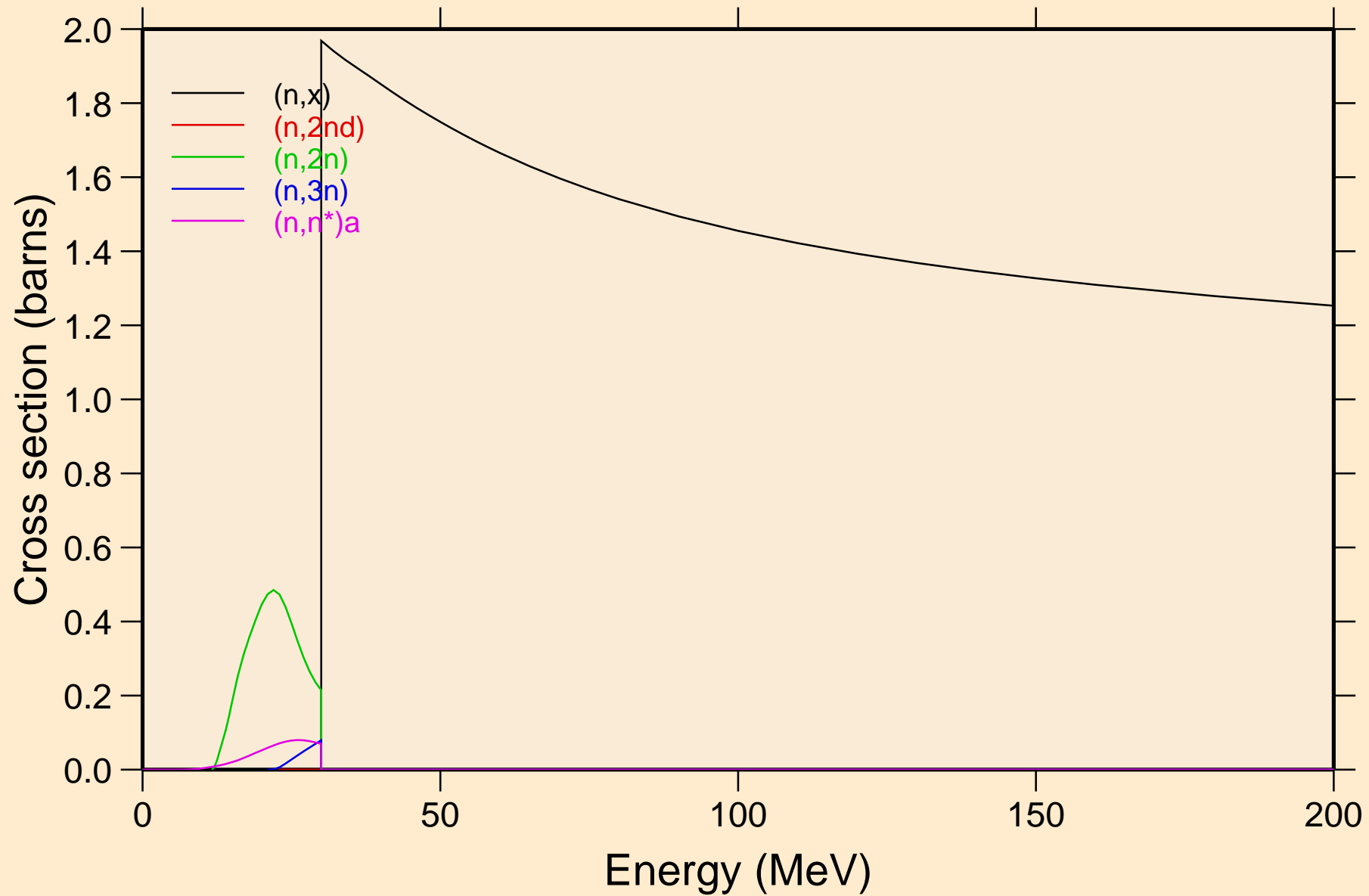
SM138 NRG TENDL-2015, AKONING  
Inelastic levels





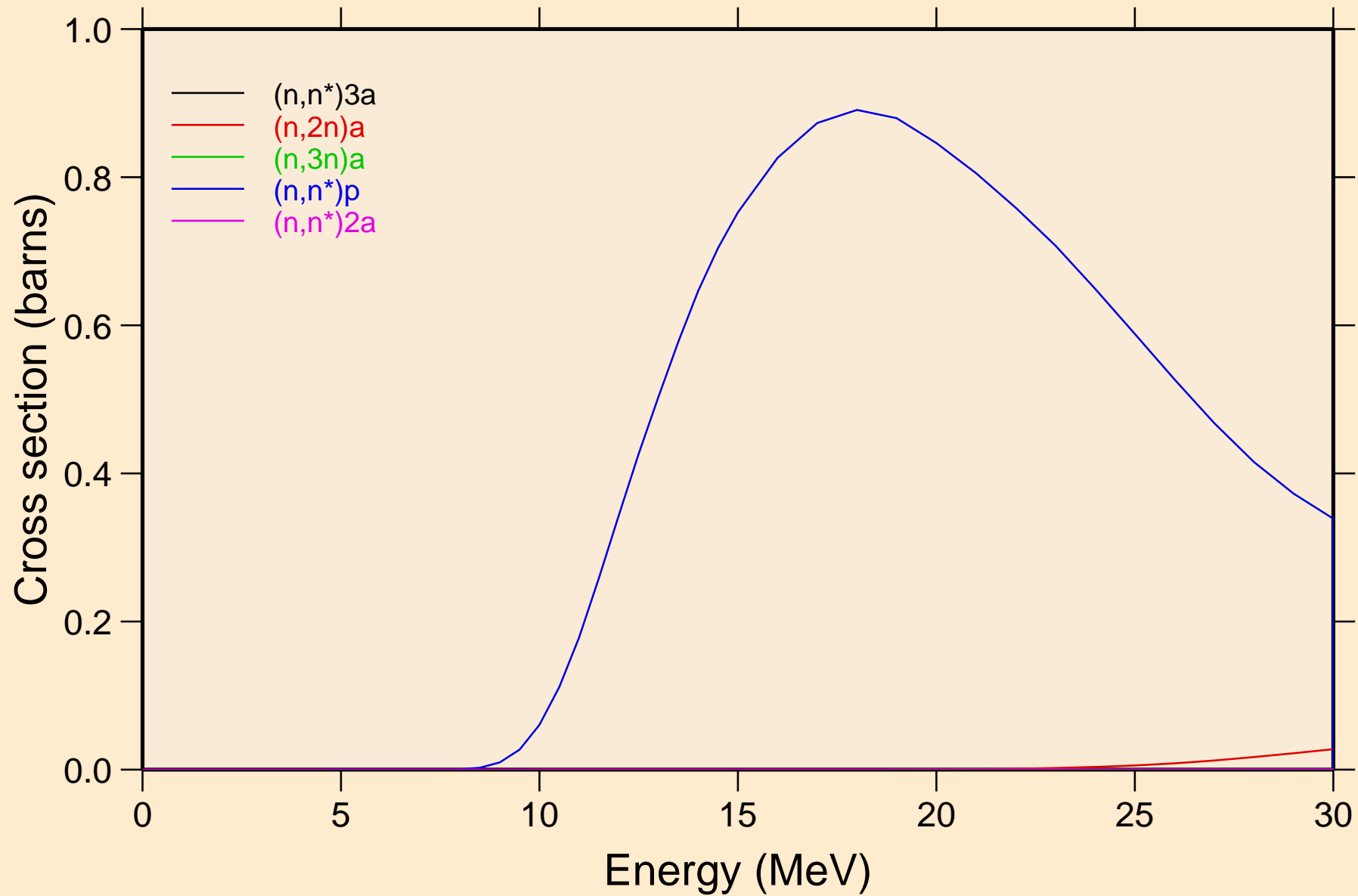
# SM138 NRG TENDL-2015, AKONING

## Threshold reactions



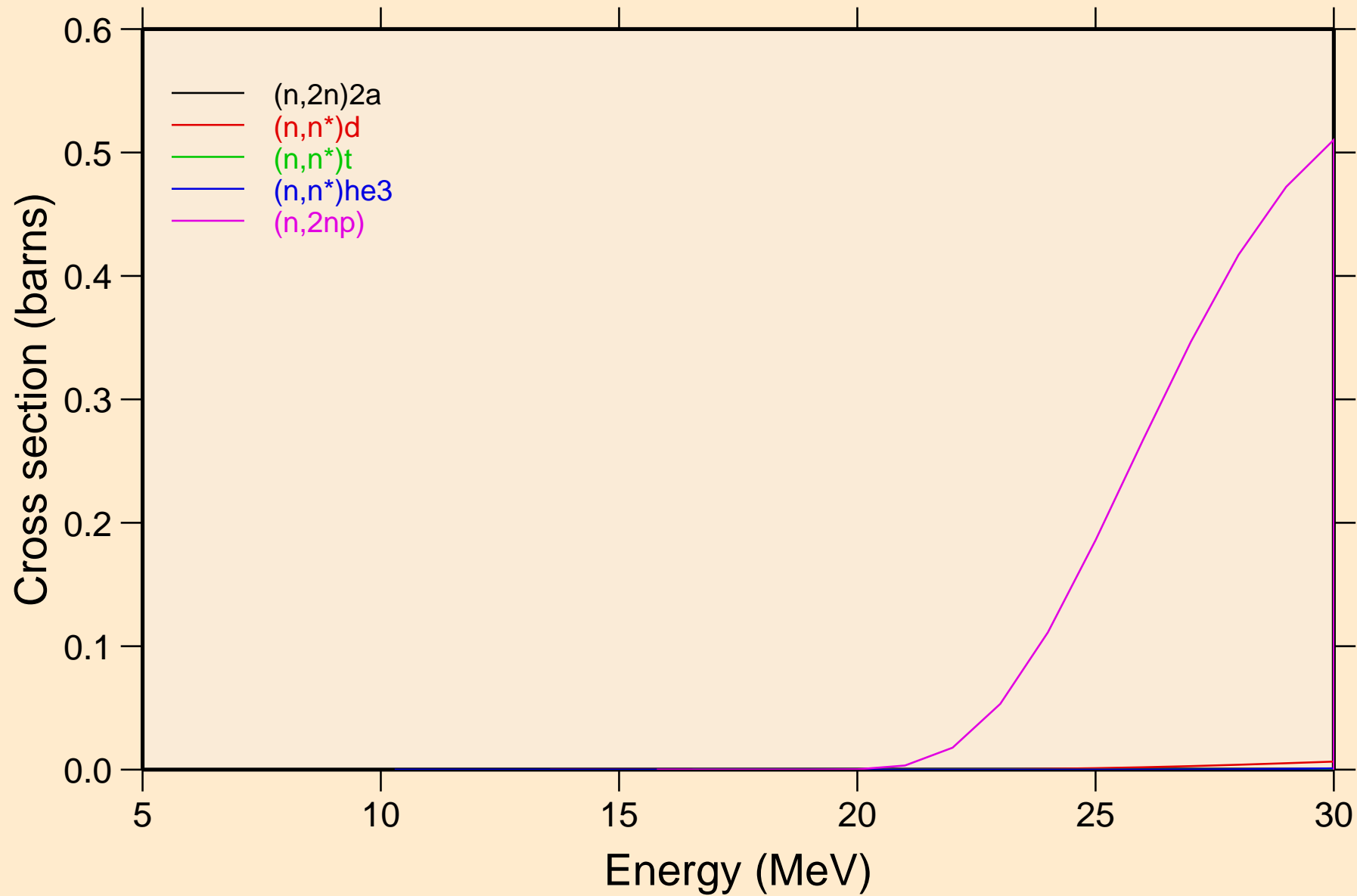
# SM138 NRG TENDL-2015, AKONING

## Threshold reactions



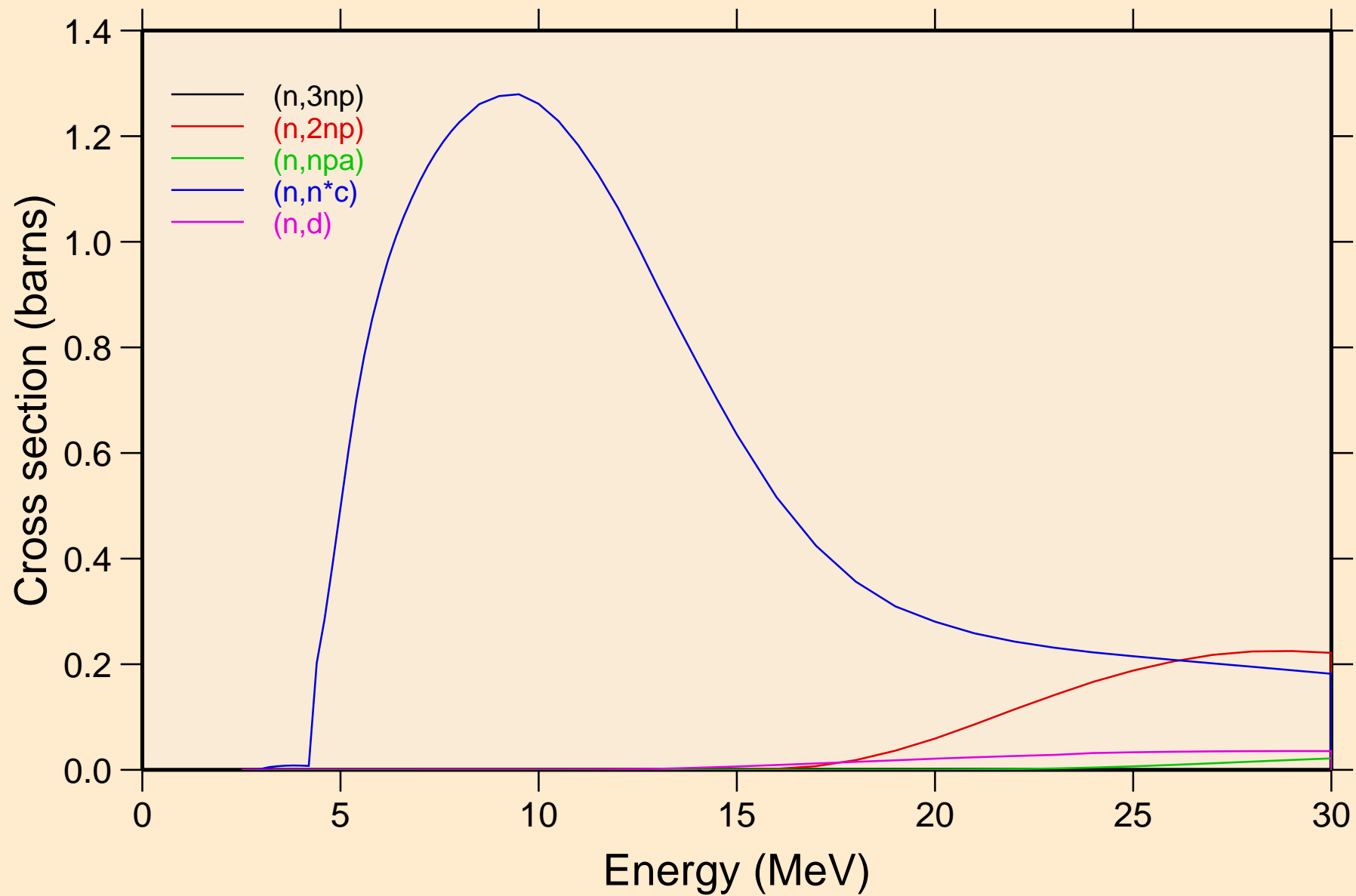
# SM138 NRG TENDL-2015, AKONING

## Threshold reactions



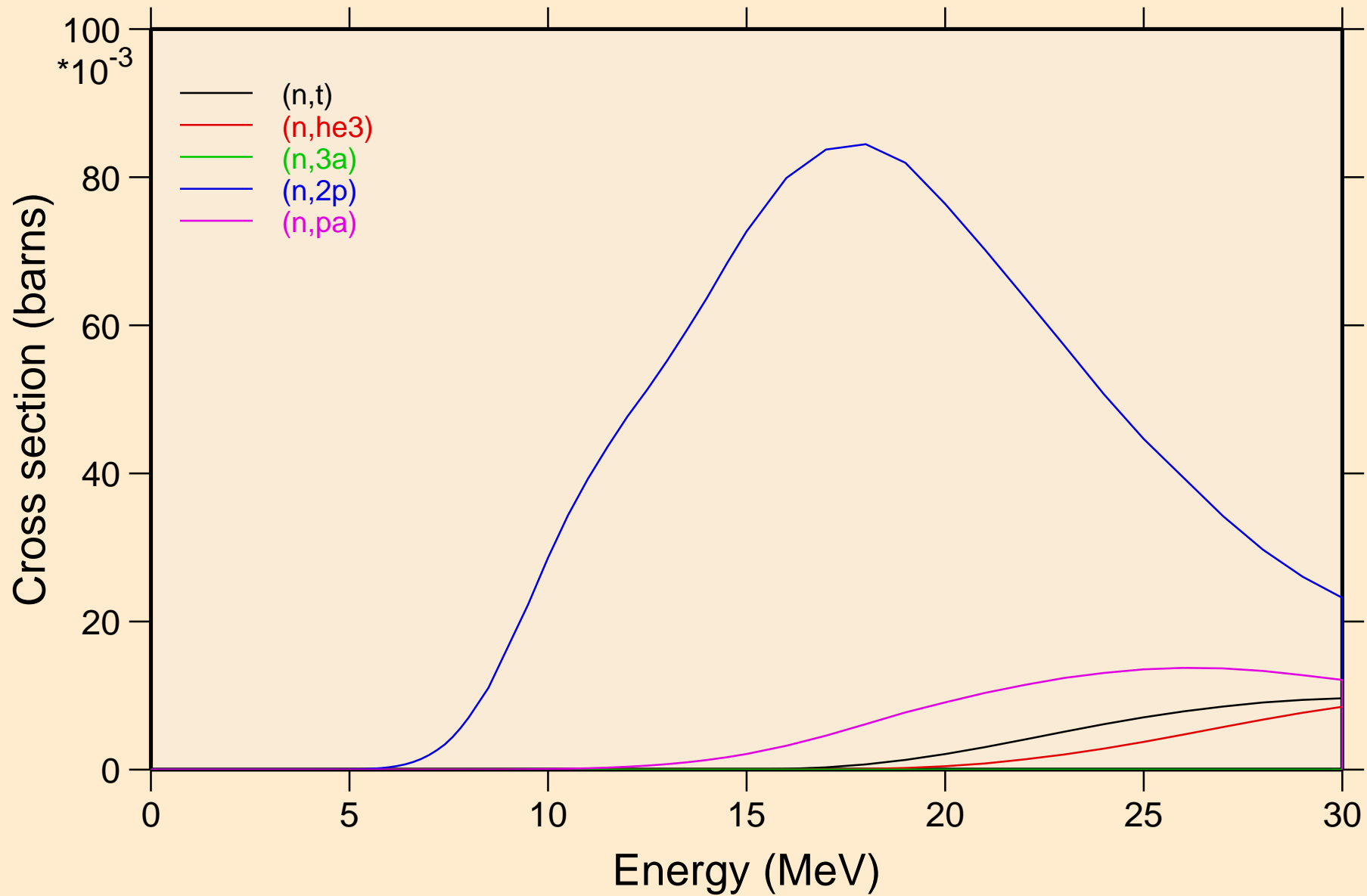
# SM138 NRG TENDL-2015, AKONING

## Threshold reactions



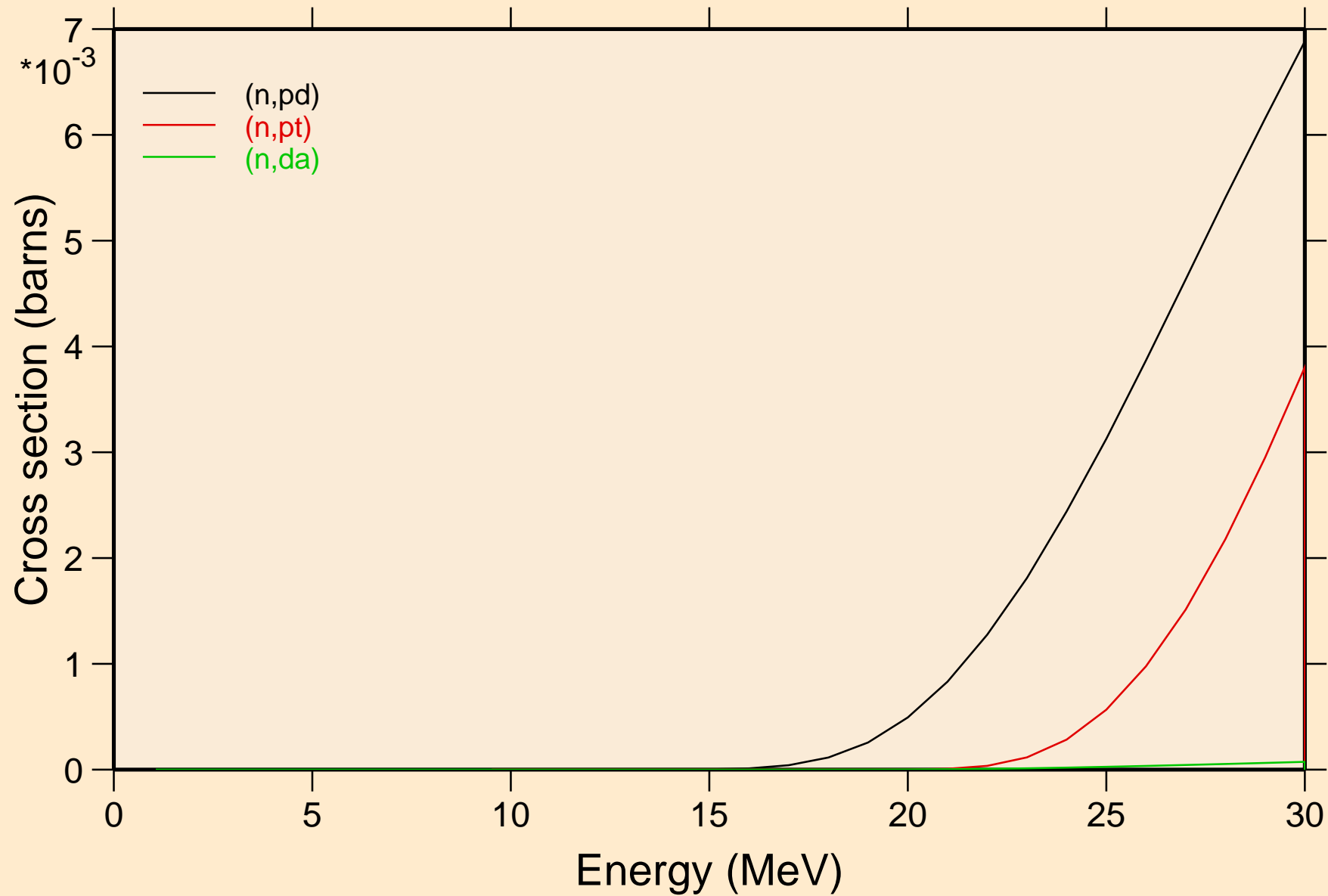
# SM138 NRG TENDL-2015, AKONING

## Threshold reactions

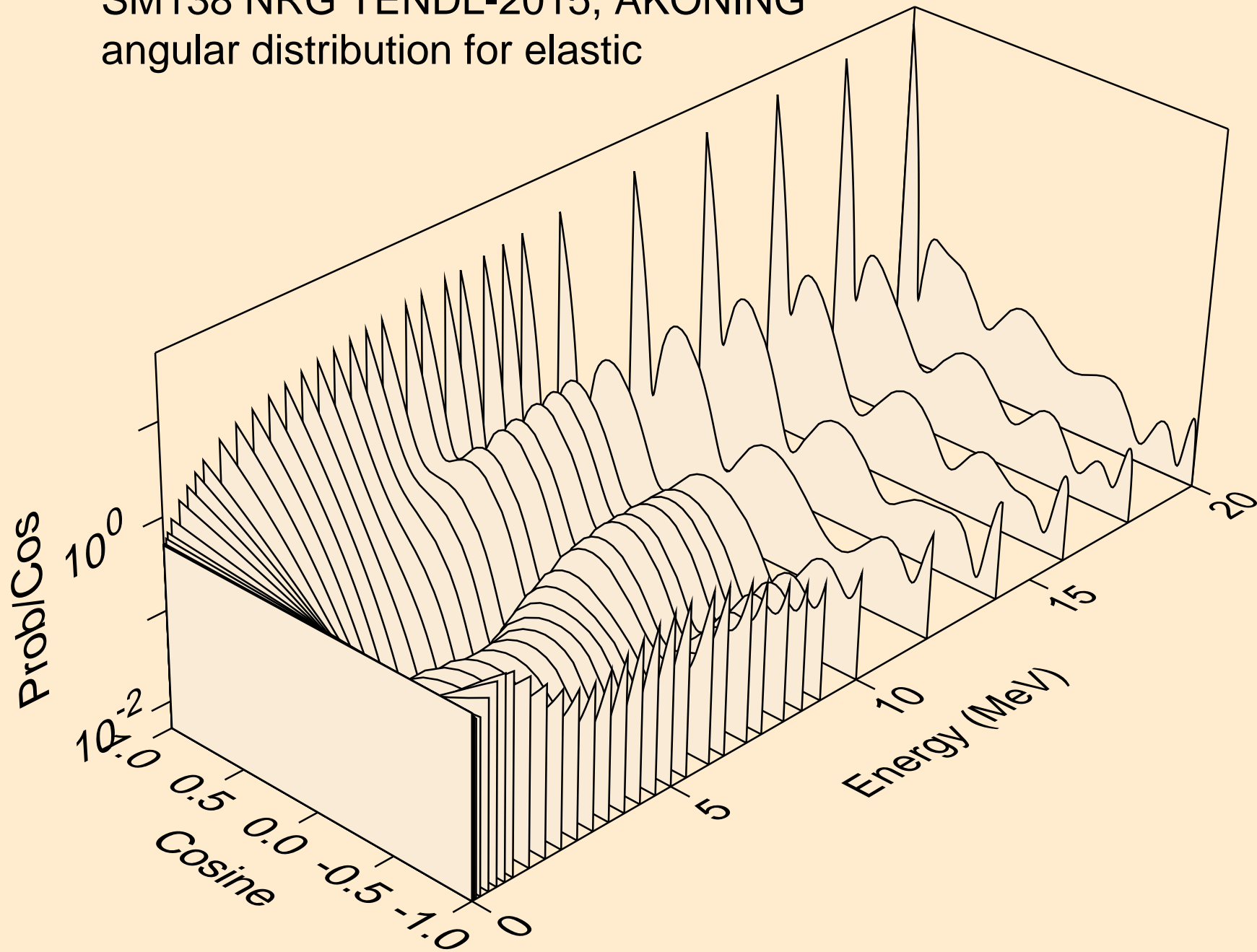


# SM138 NRG TENDL-2015, AKONING

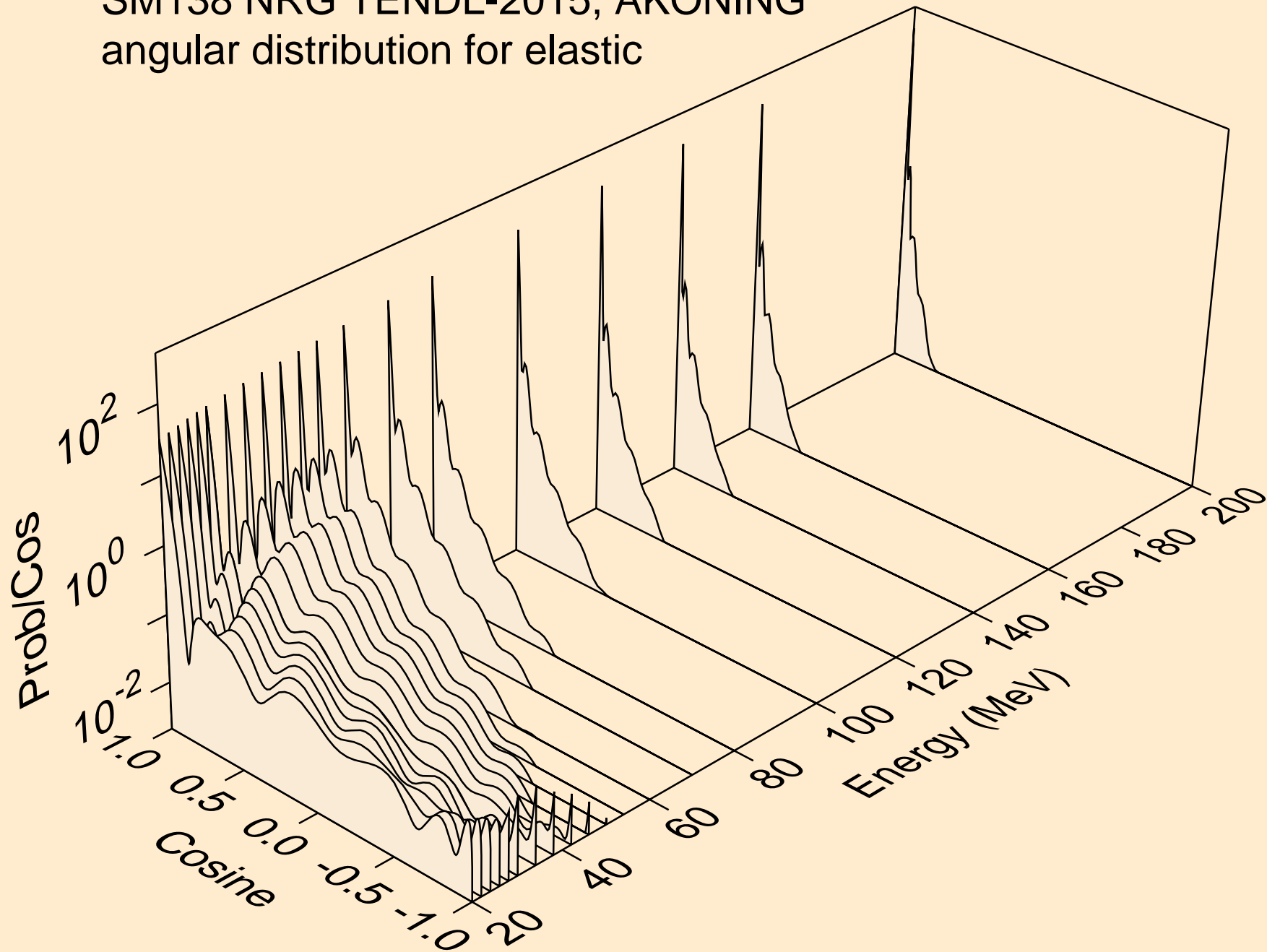
## Threshold reactions



SM138 NRG TENDL-2015, AKONING  
angular distribution for elastic

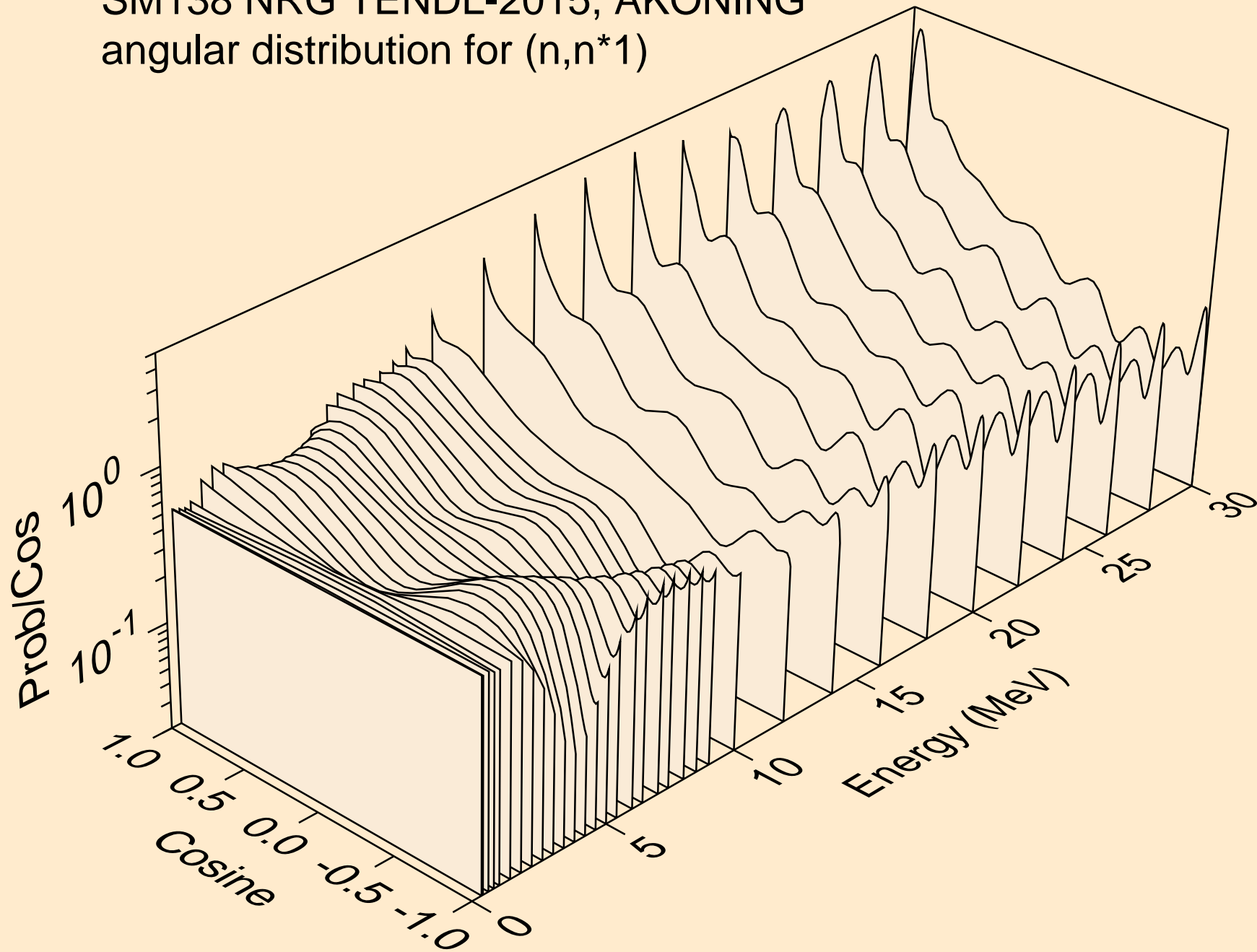


SM138 NRG TENDL-2015, AKONING  
angular distribution for elastic

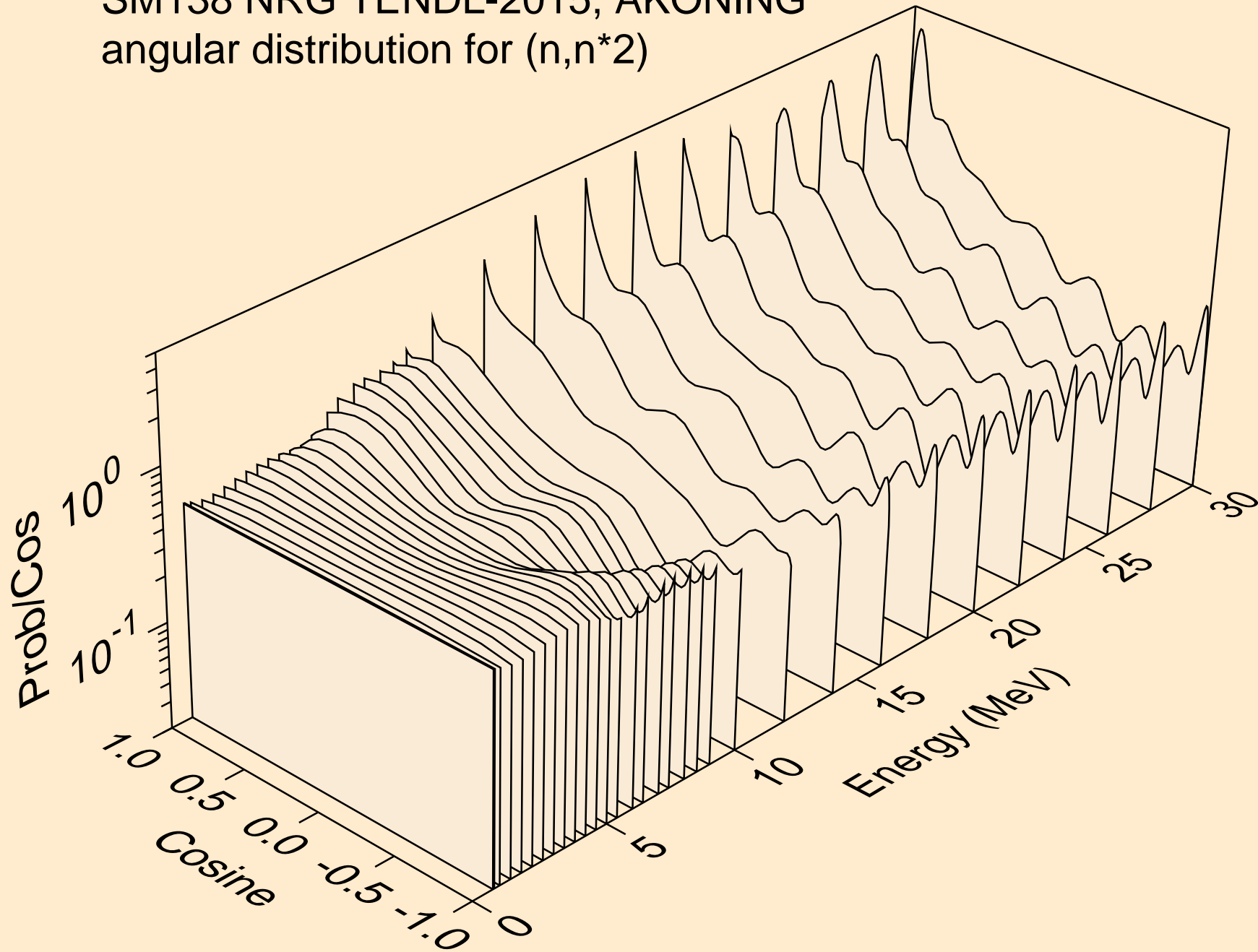




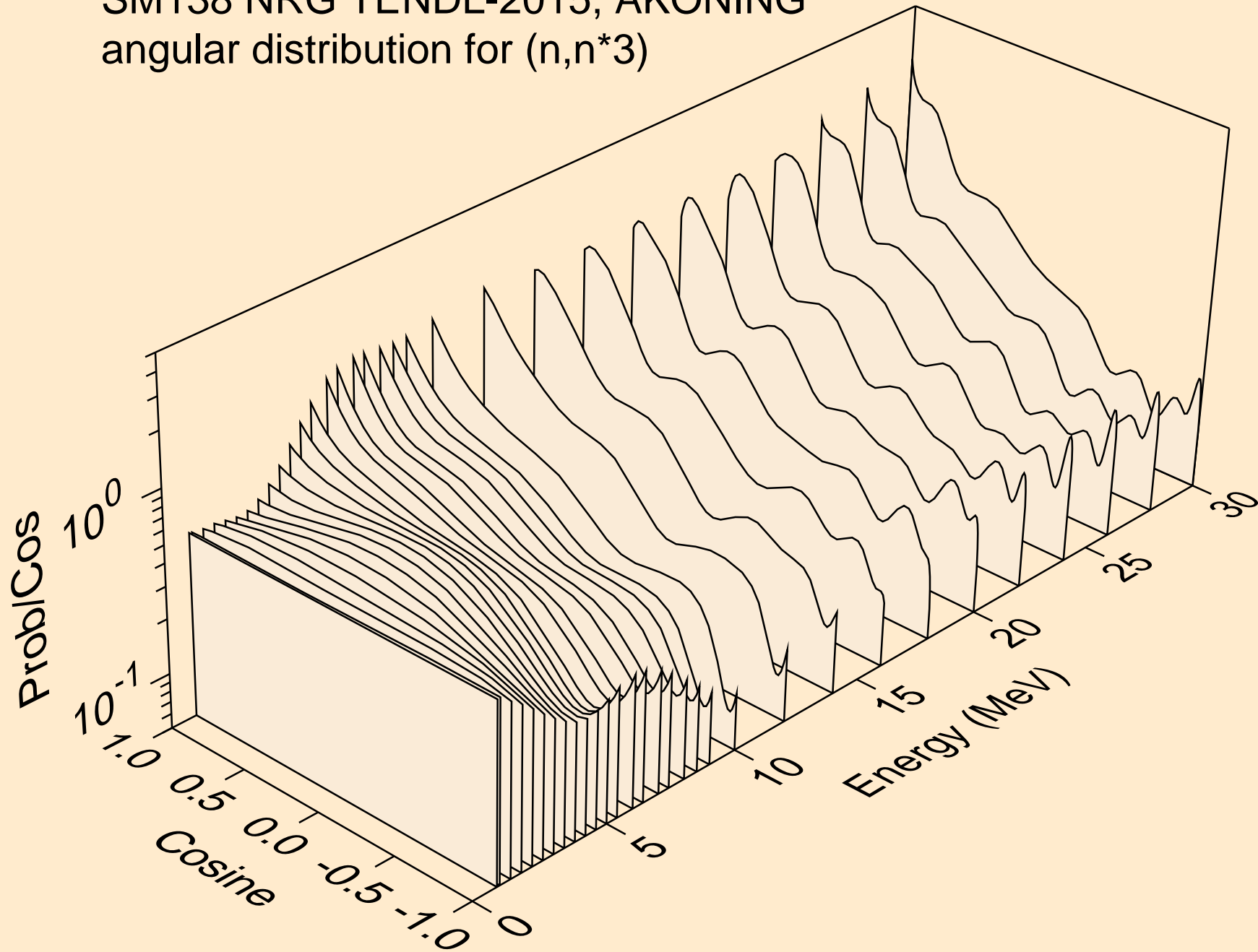
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



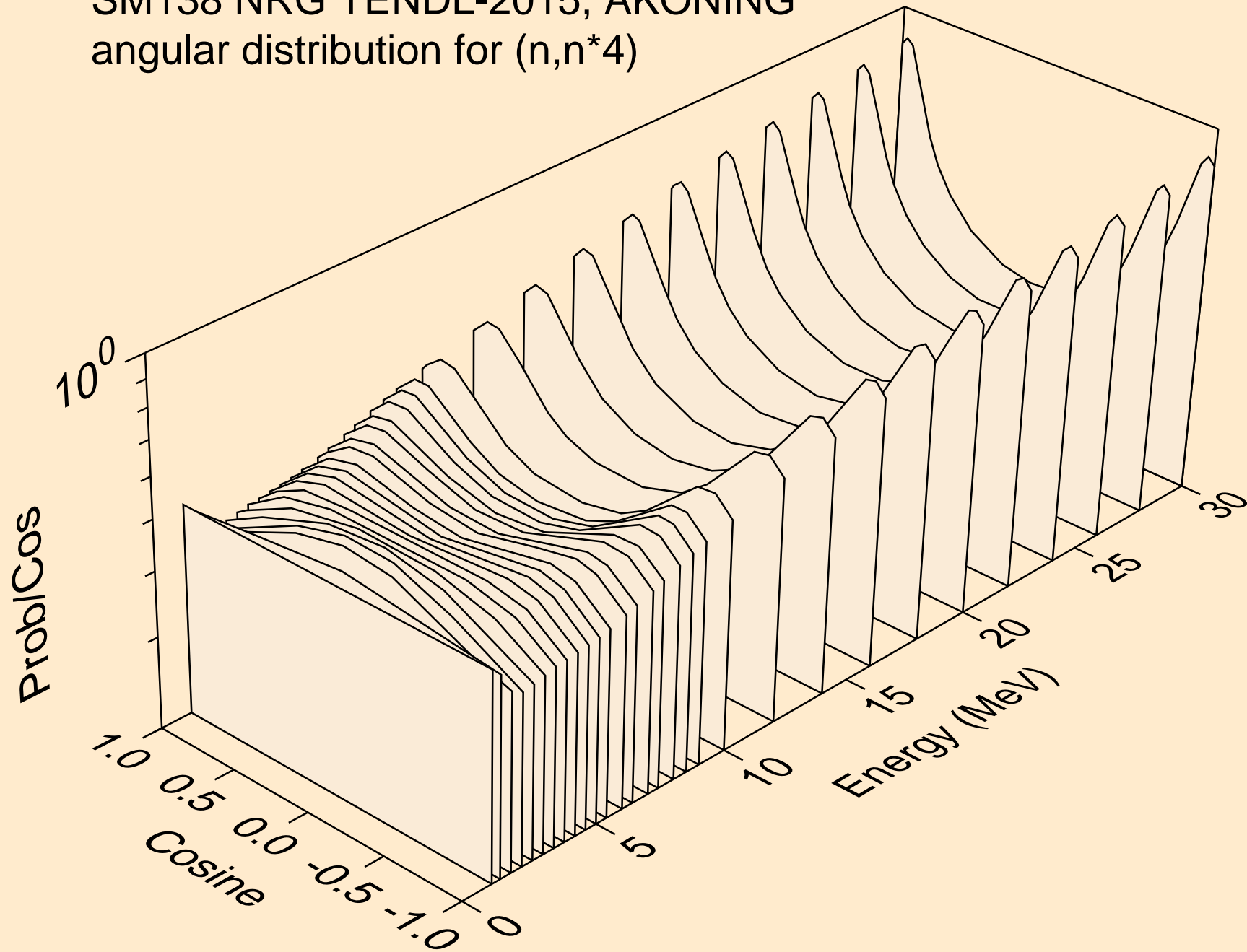
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



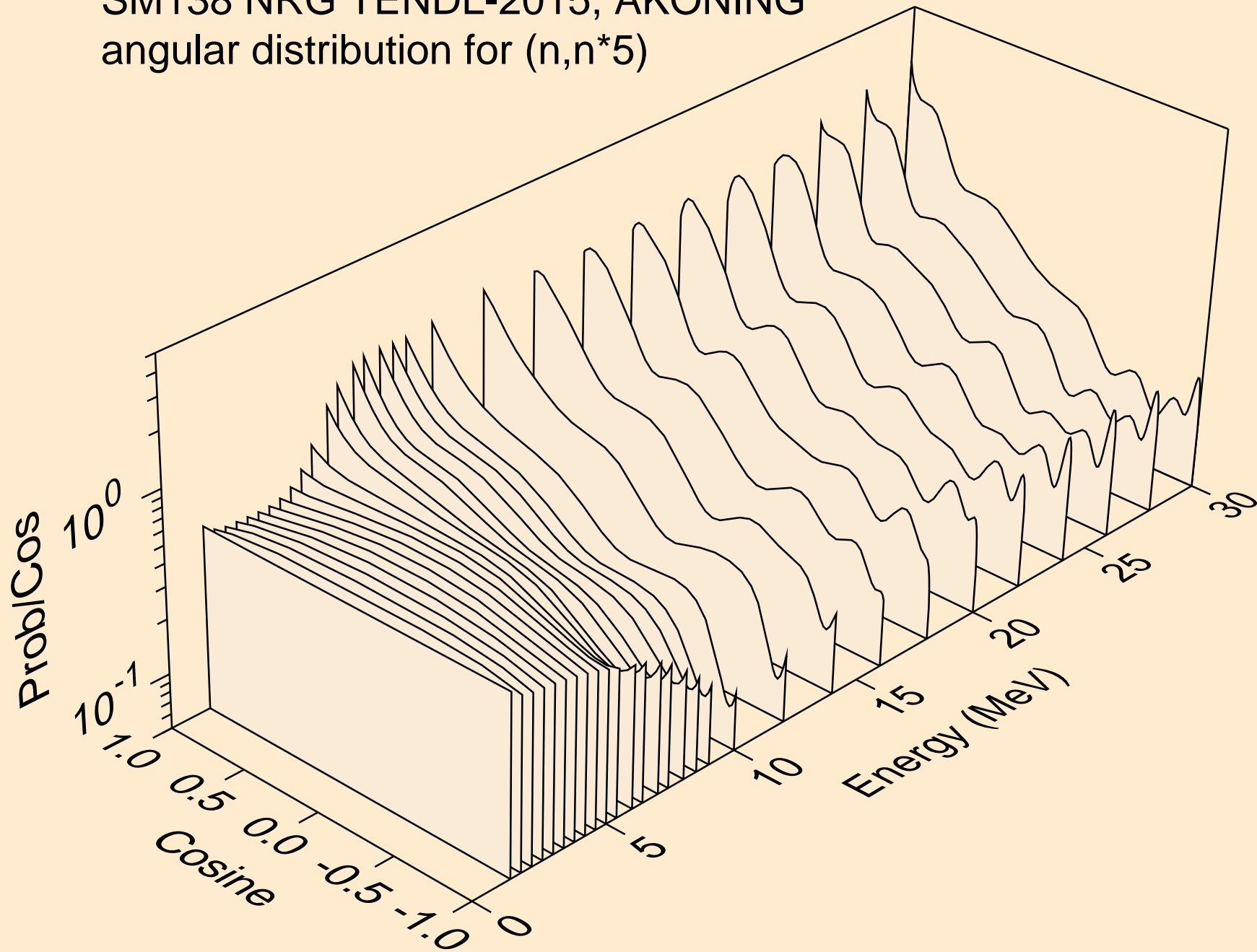
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



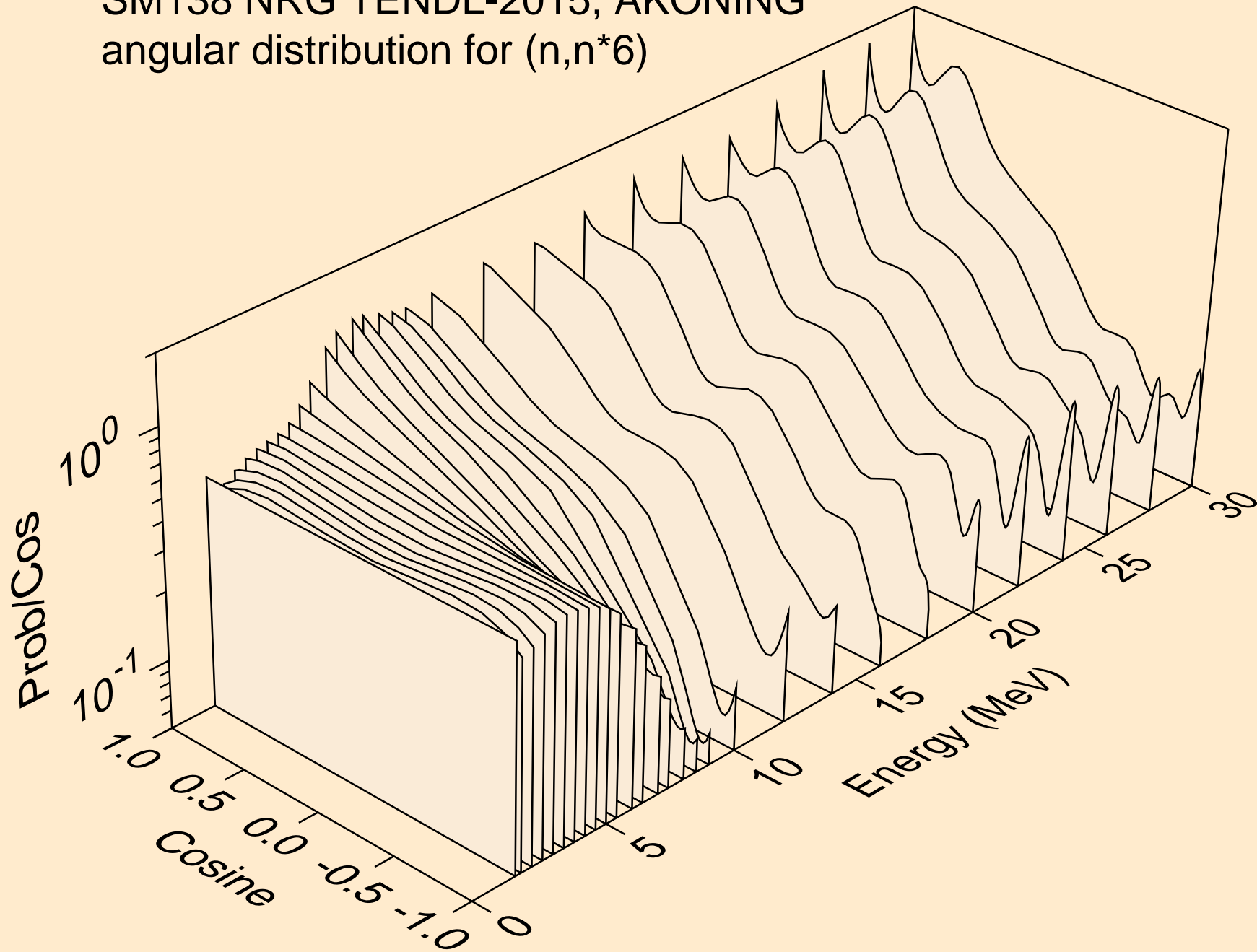
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



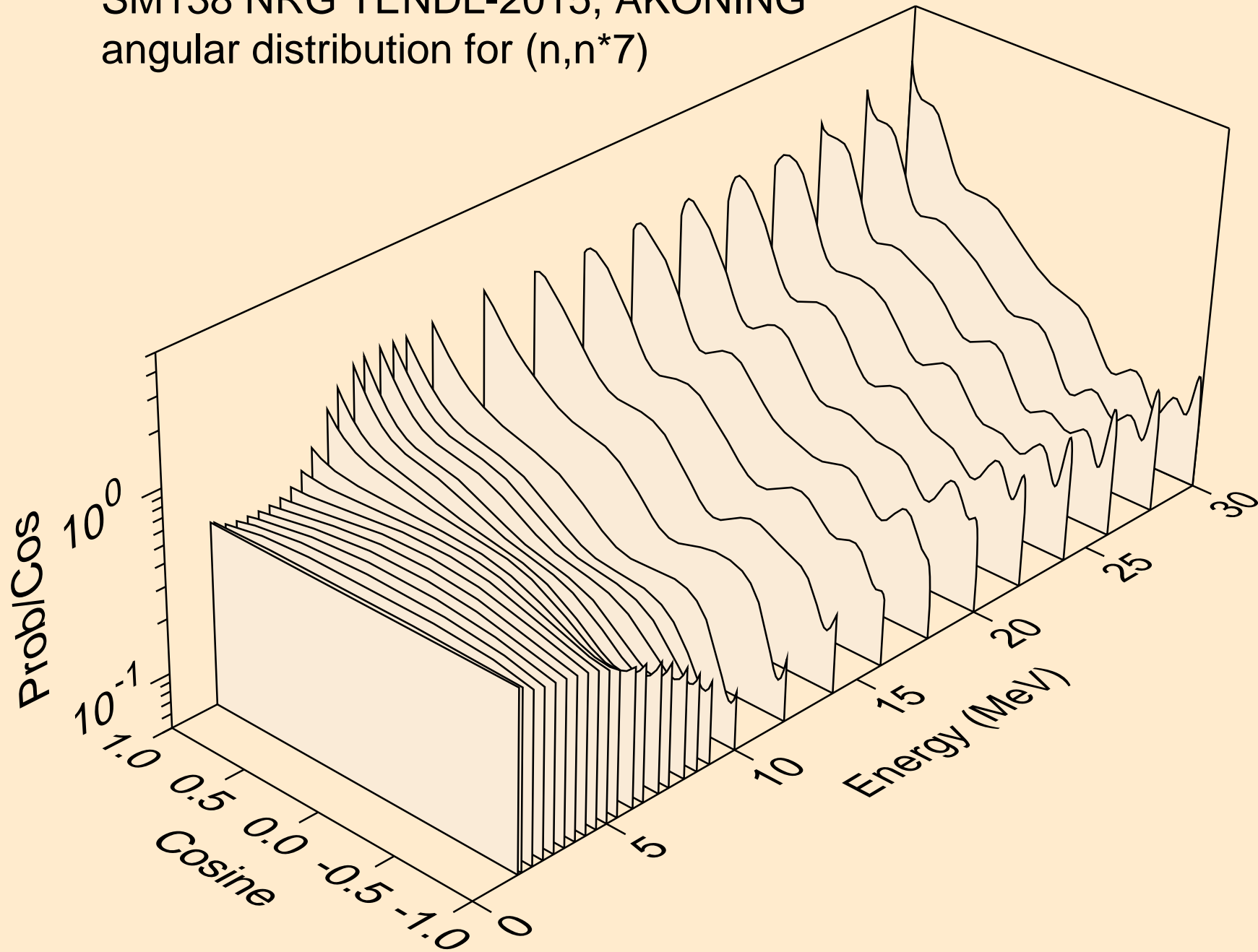
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



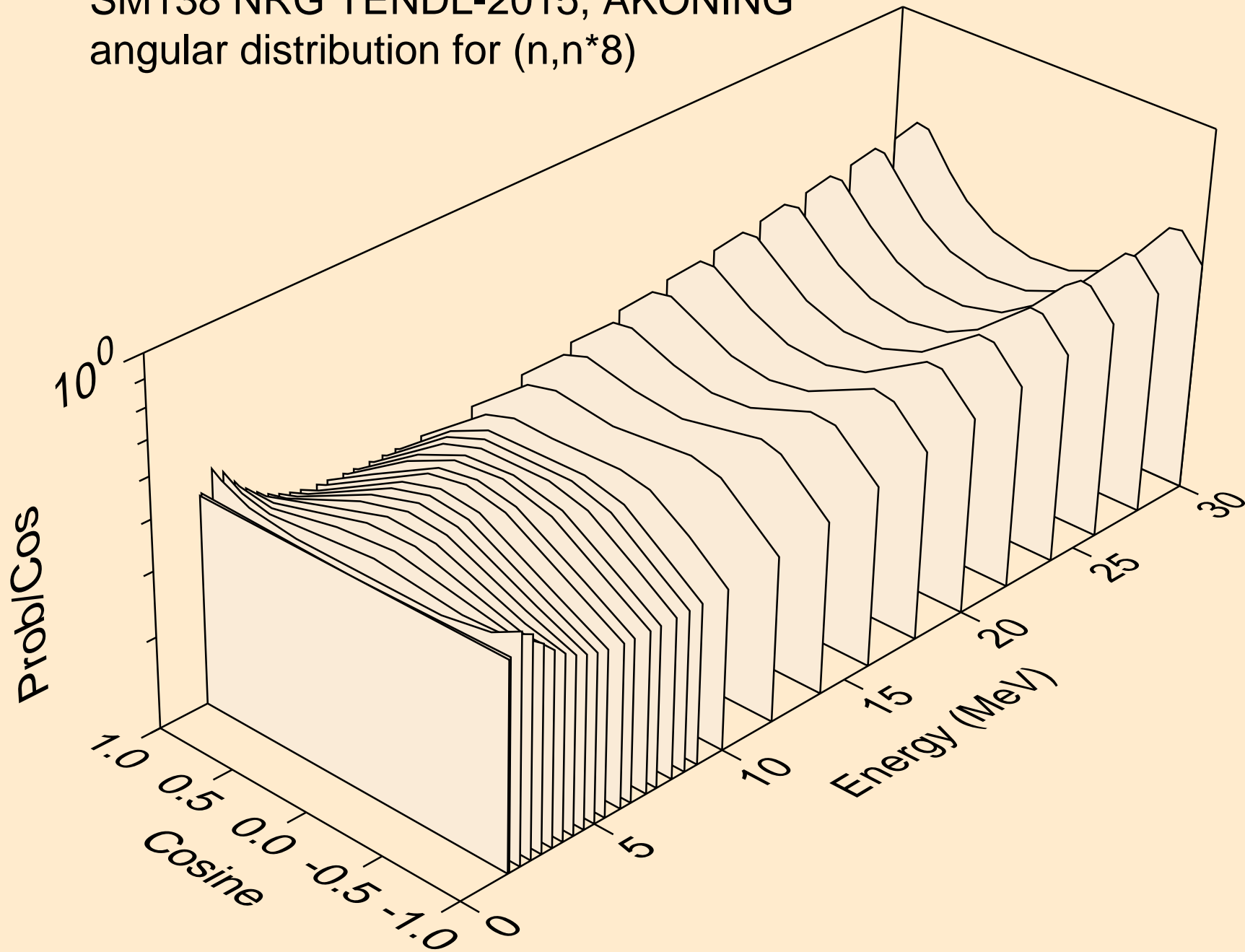
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)

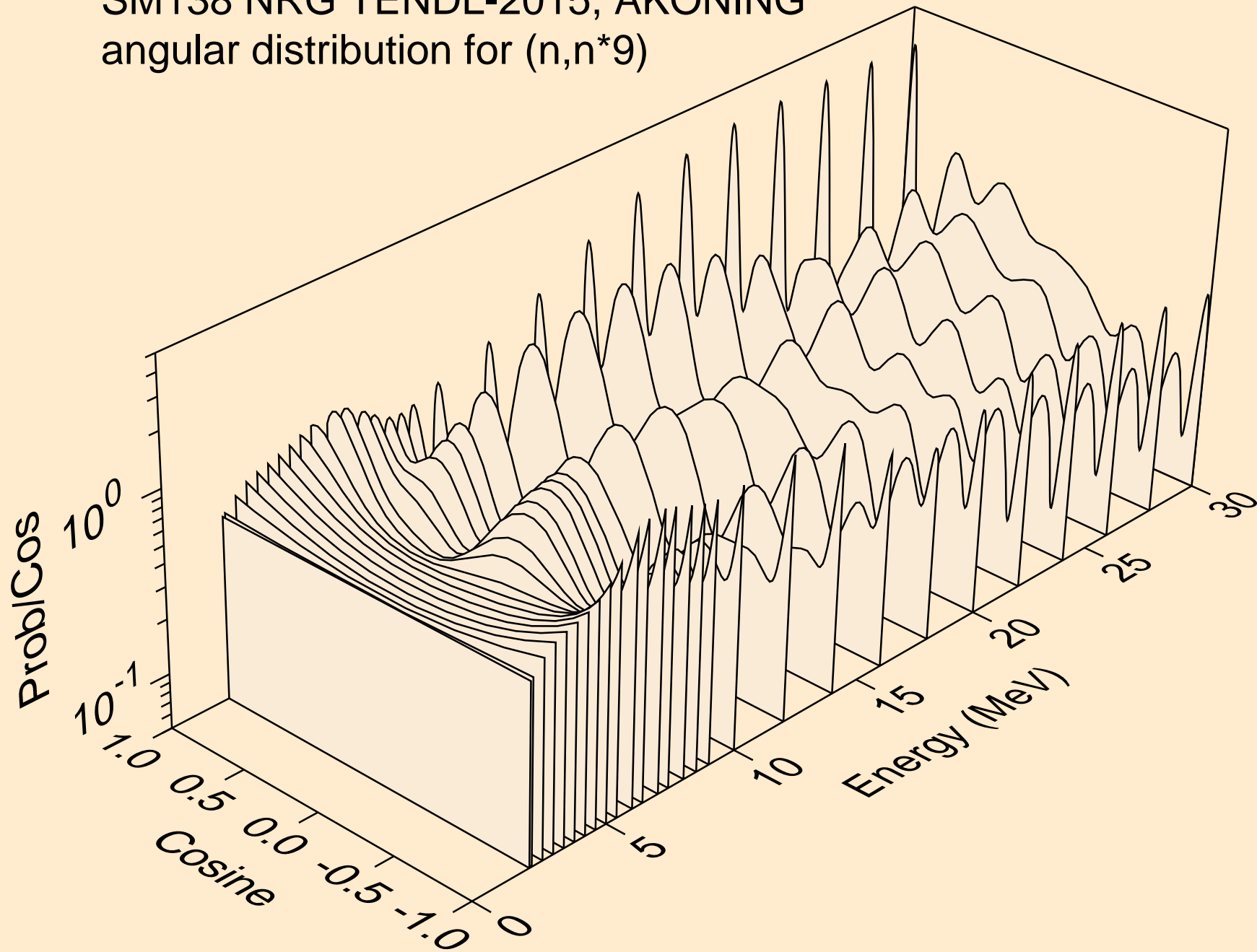


SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

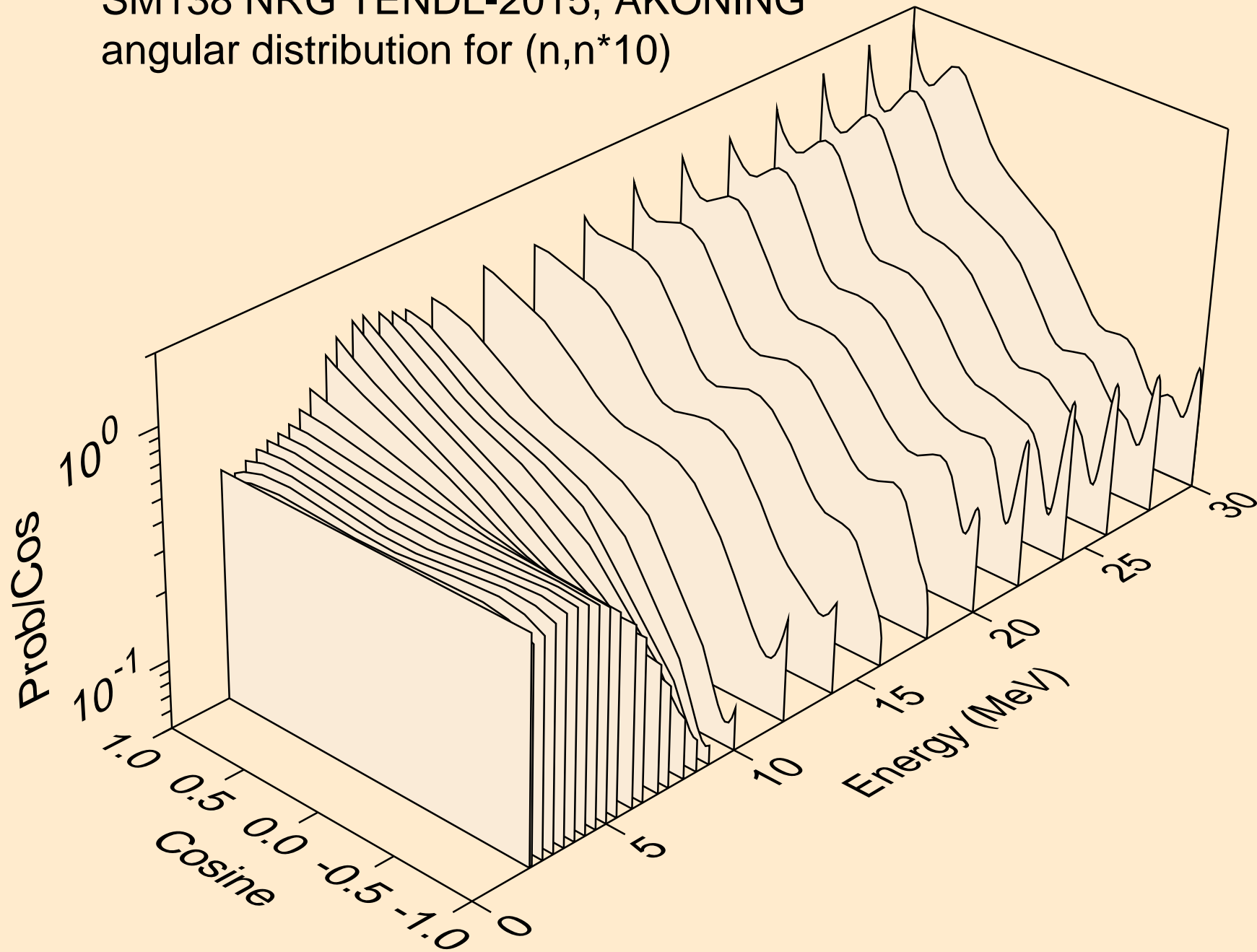




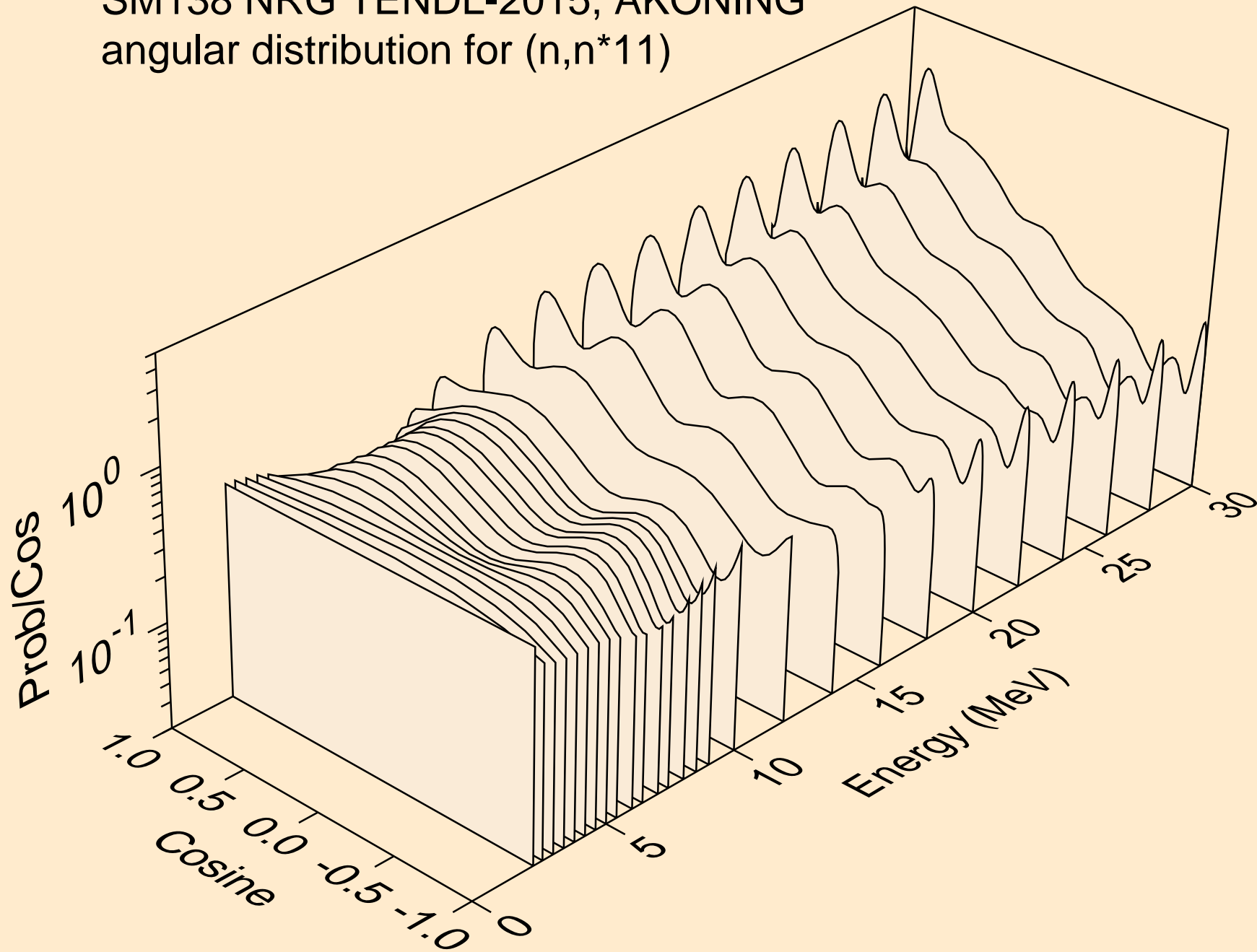
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



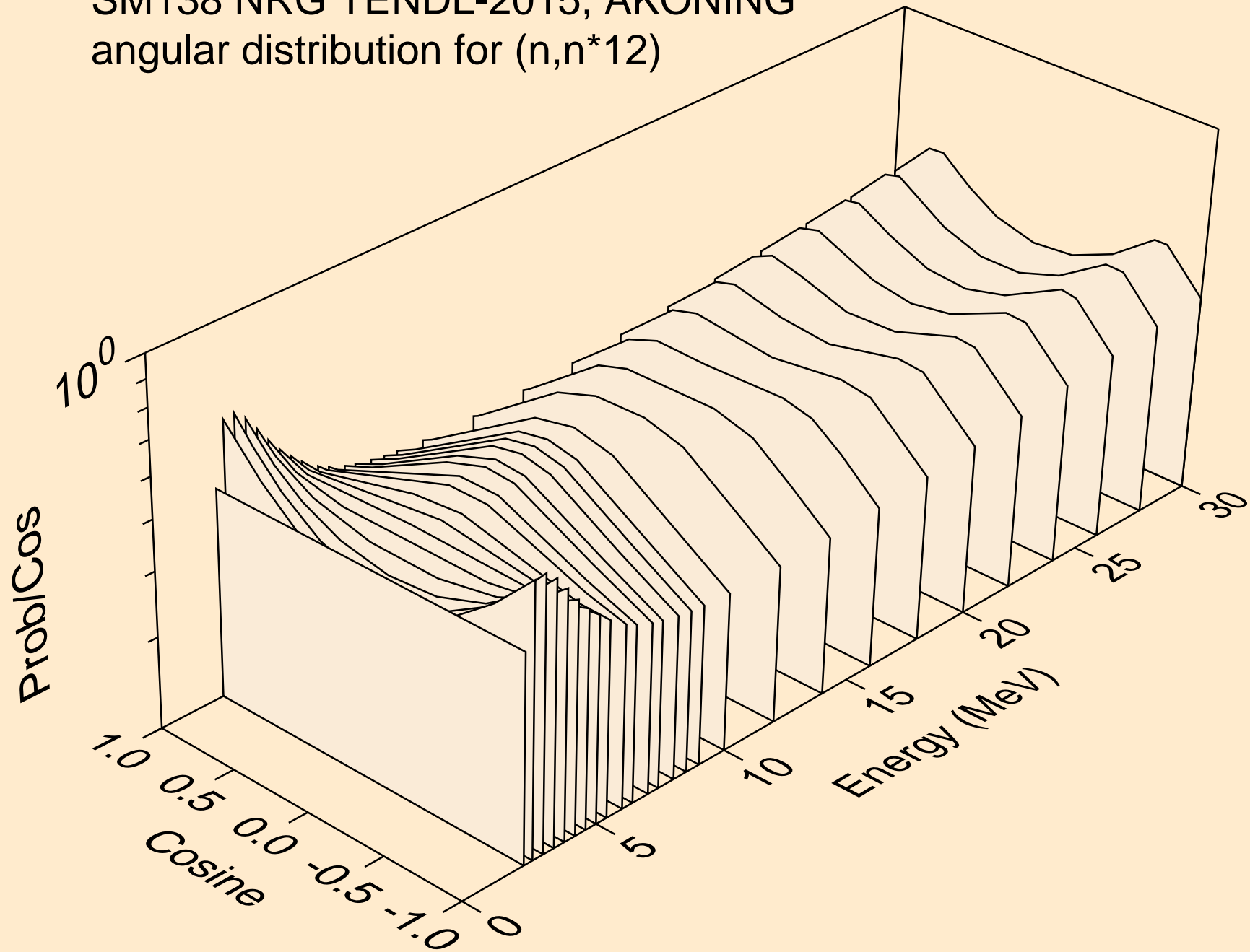
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



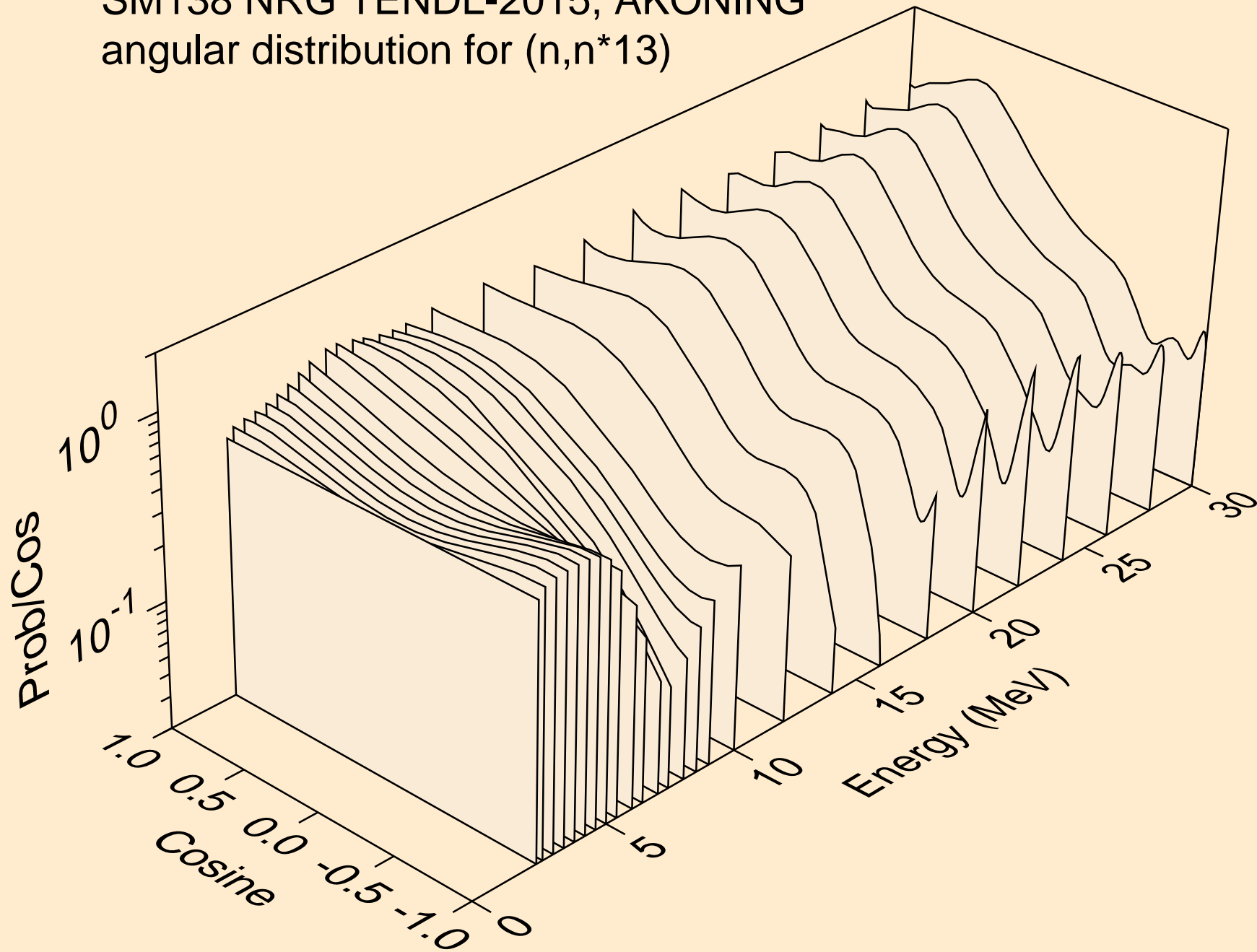
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



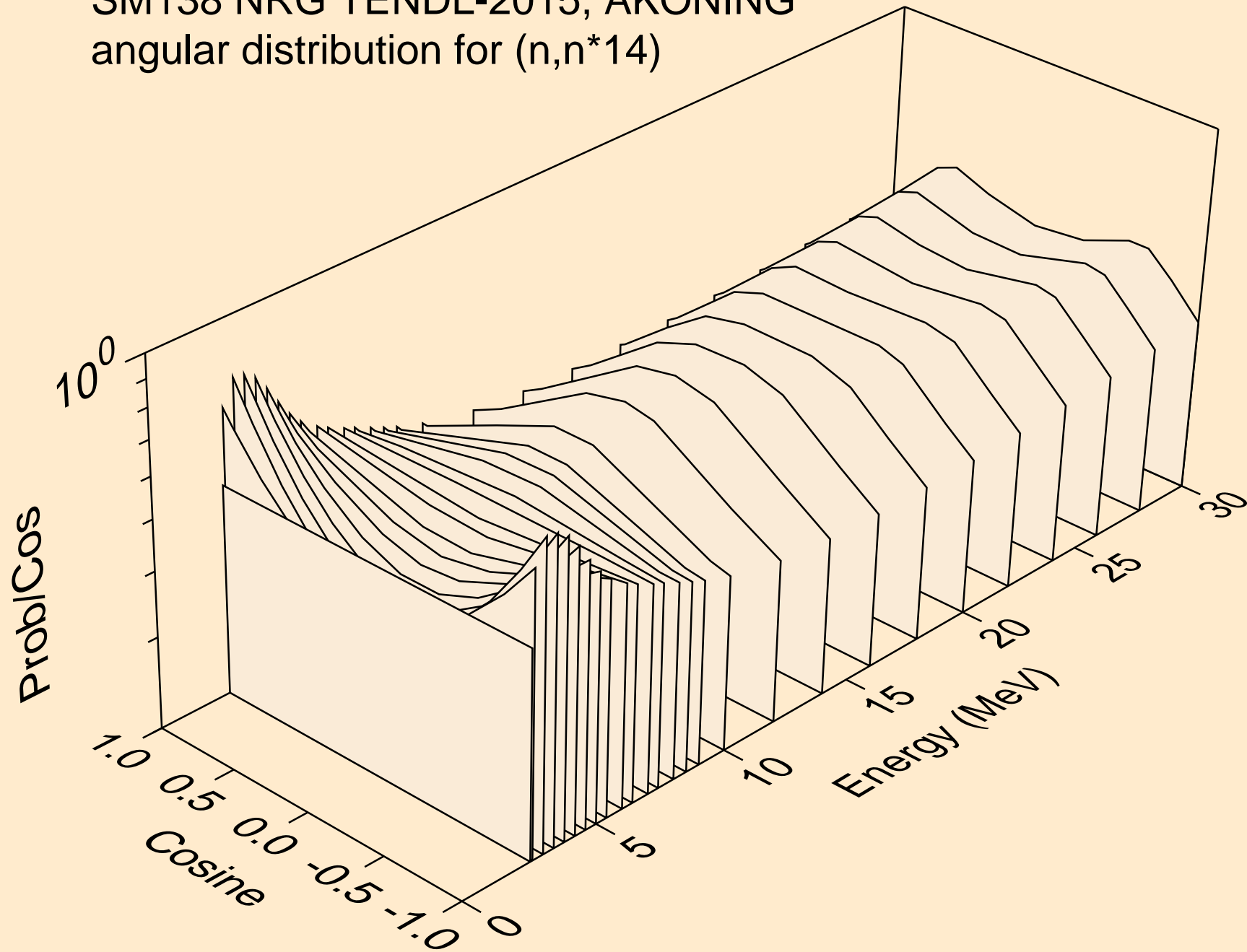
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



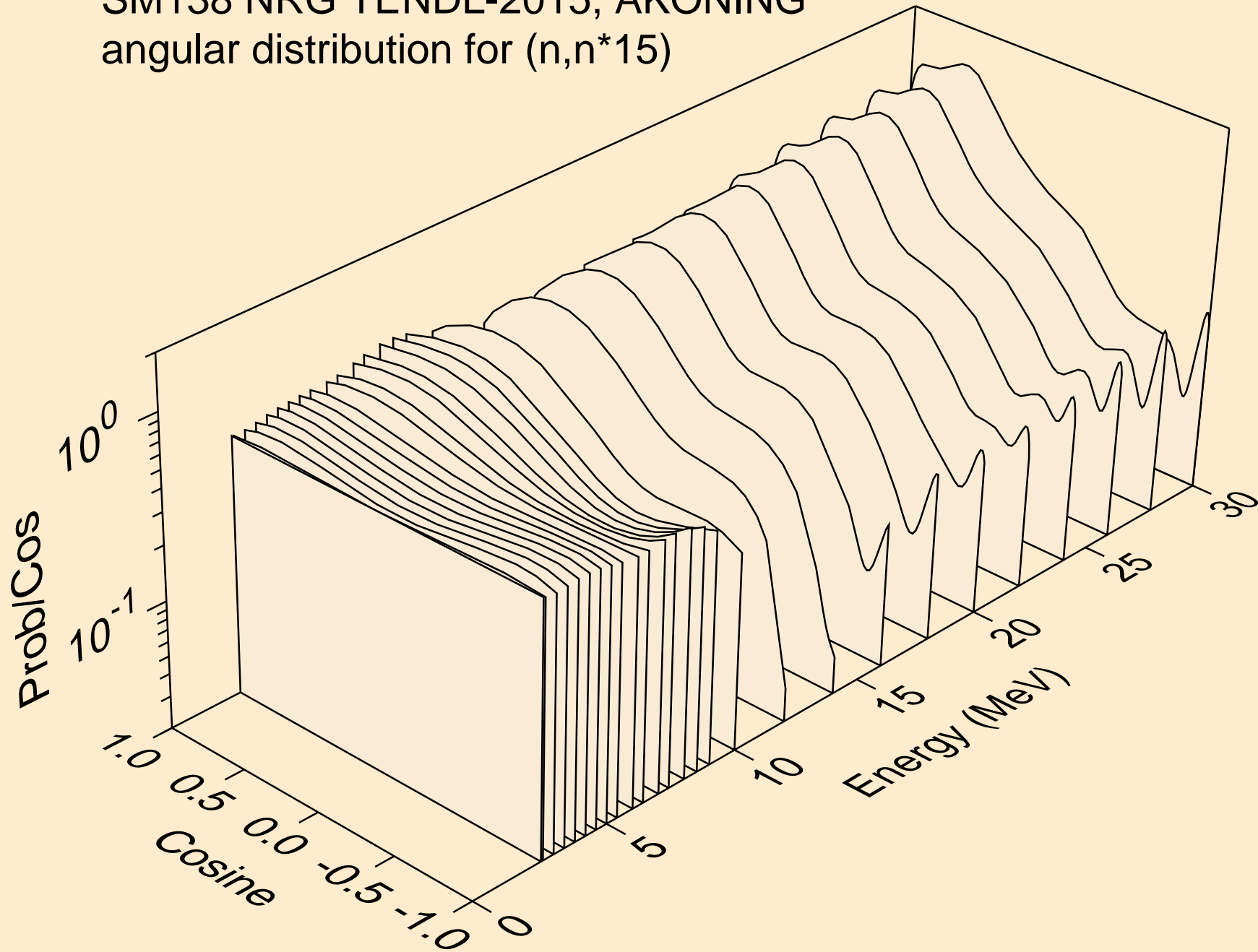
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



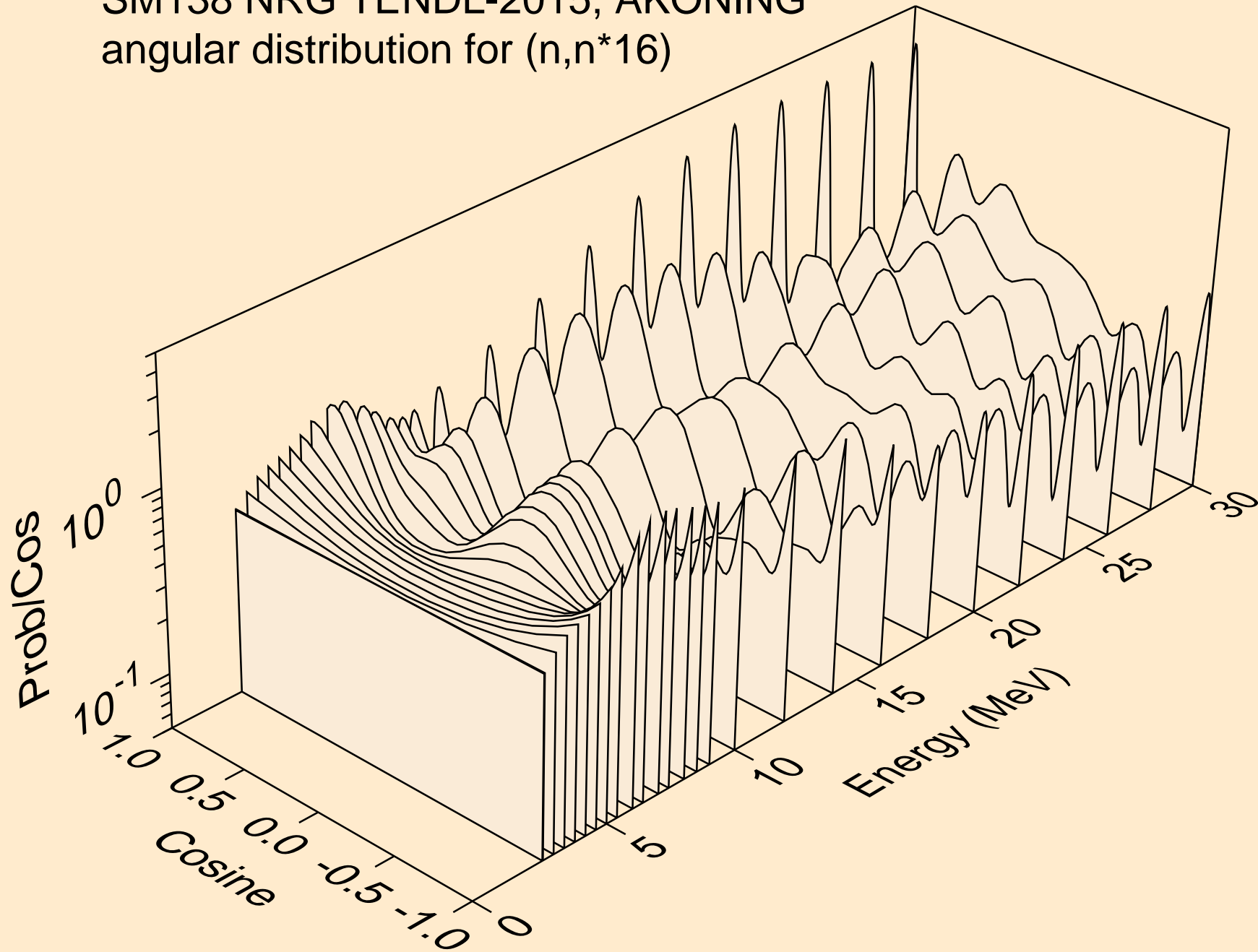
SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)

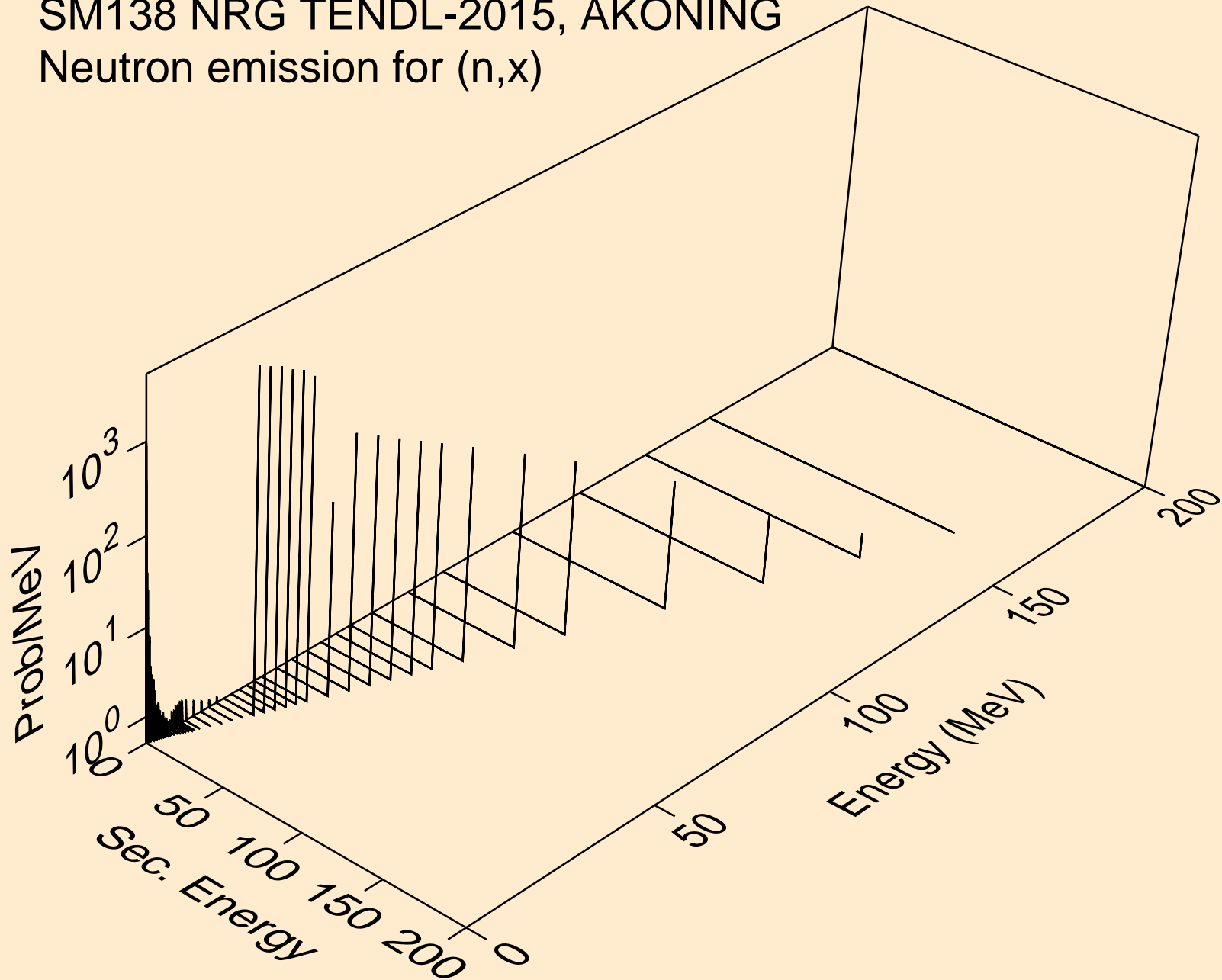


SM138 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

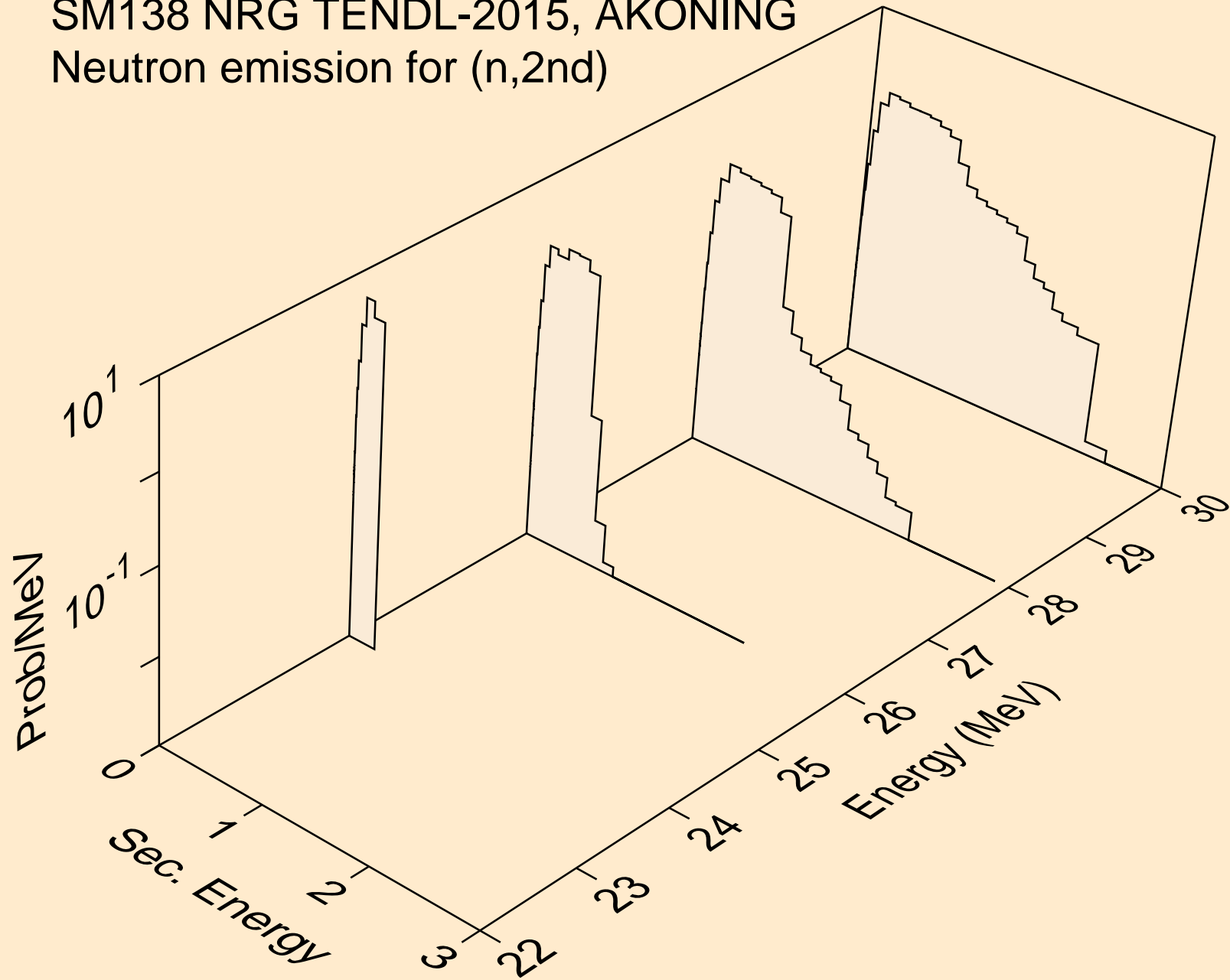




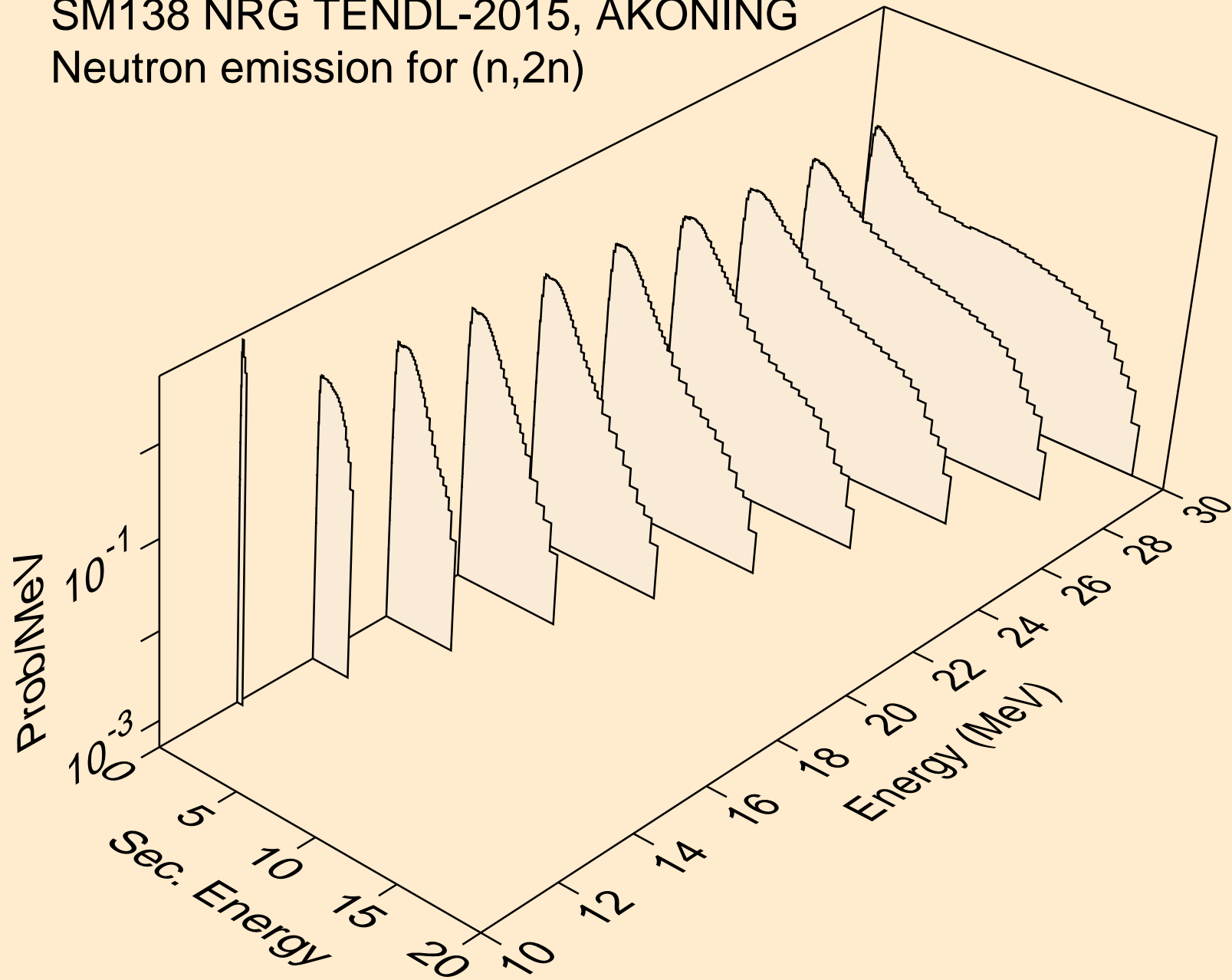
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



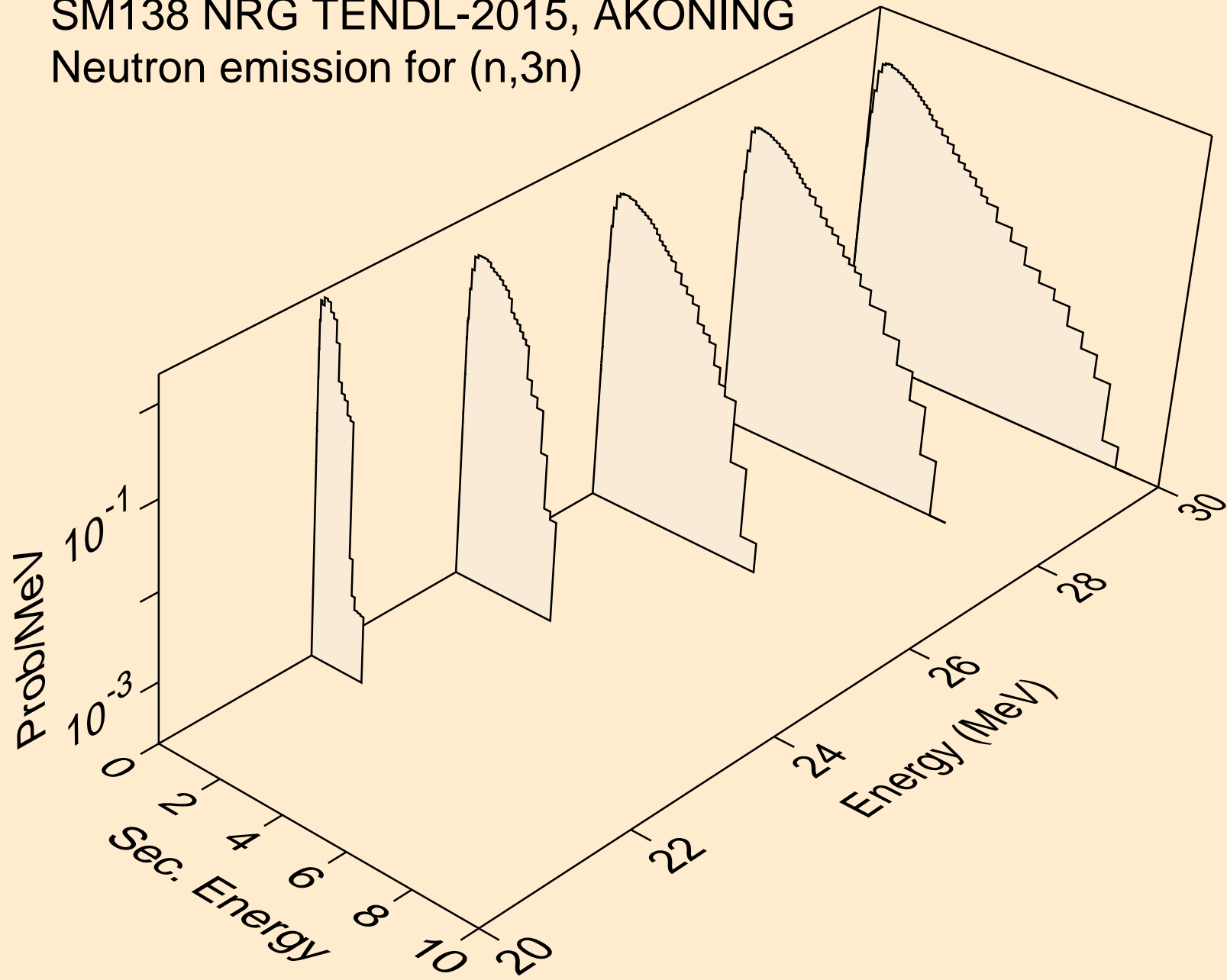
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



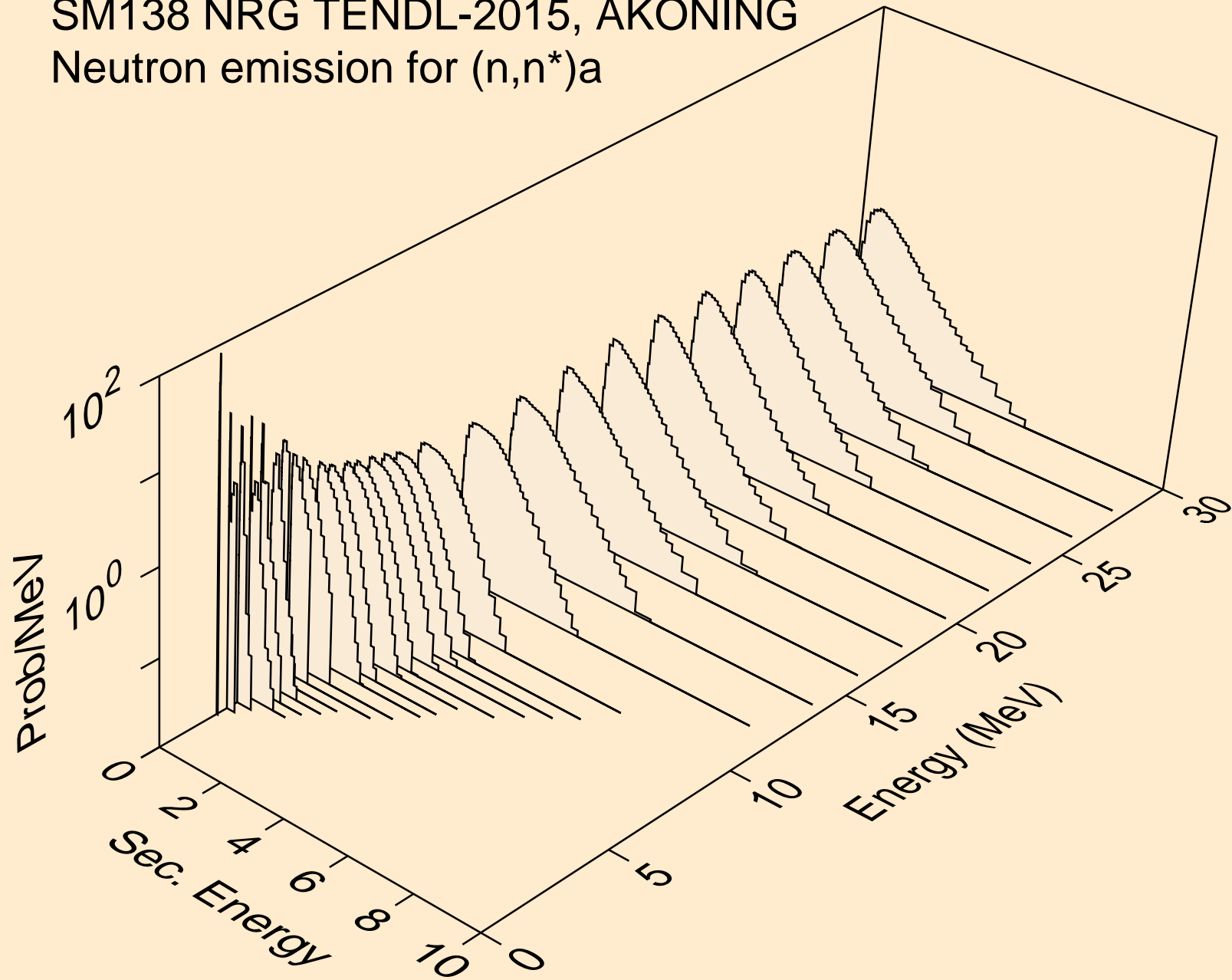
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



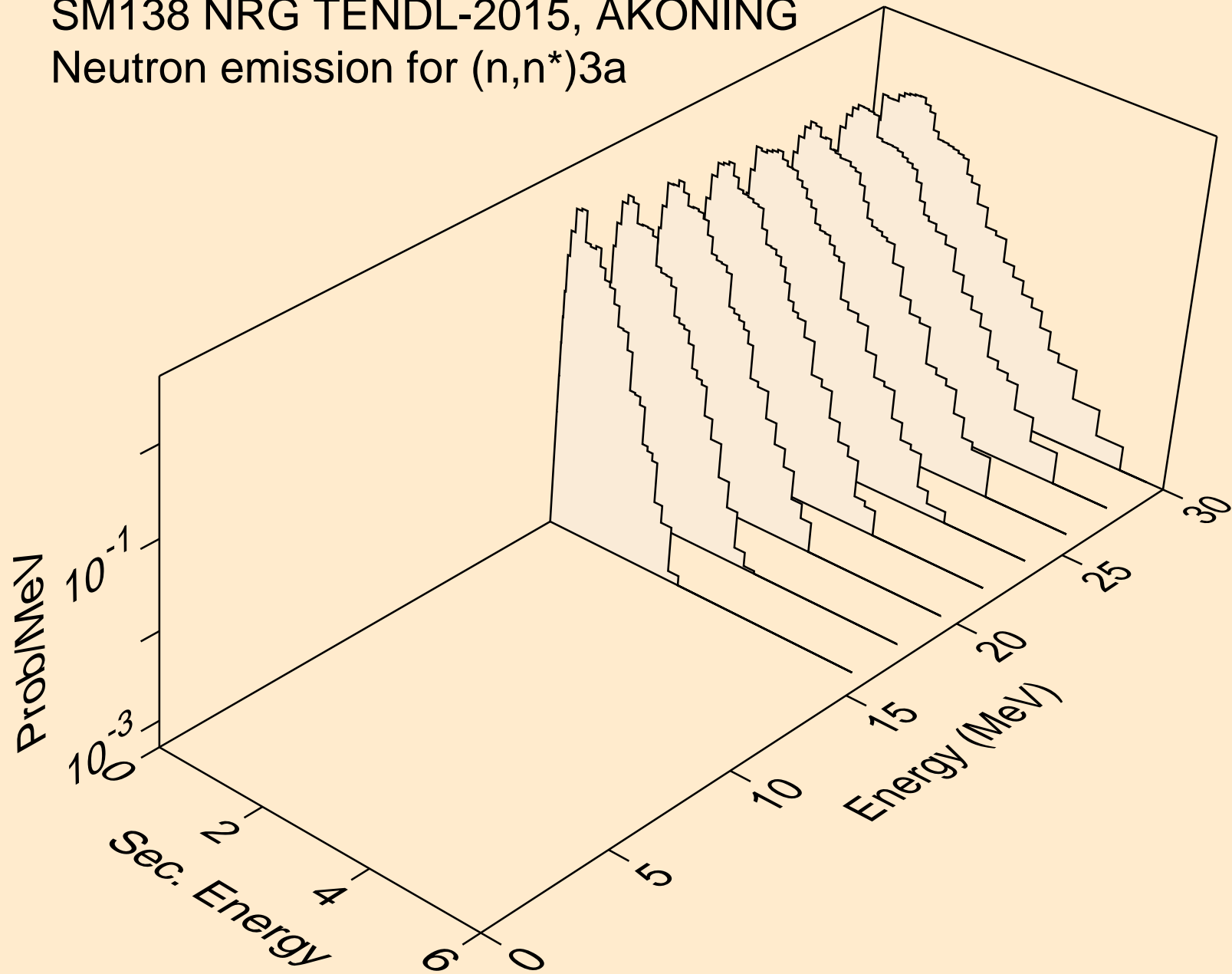
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



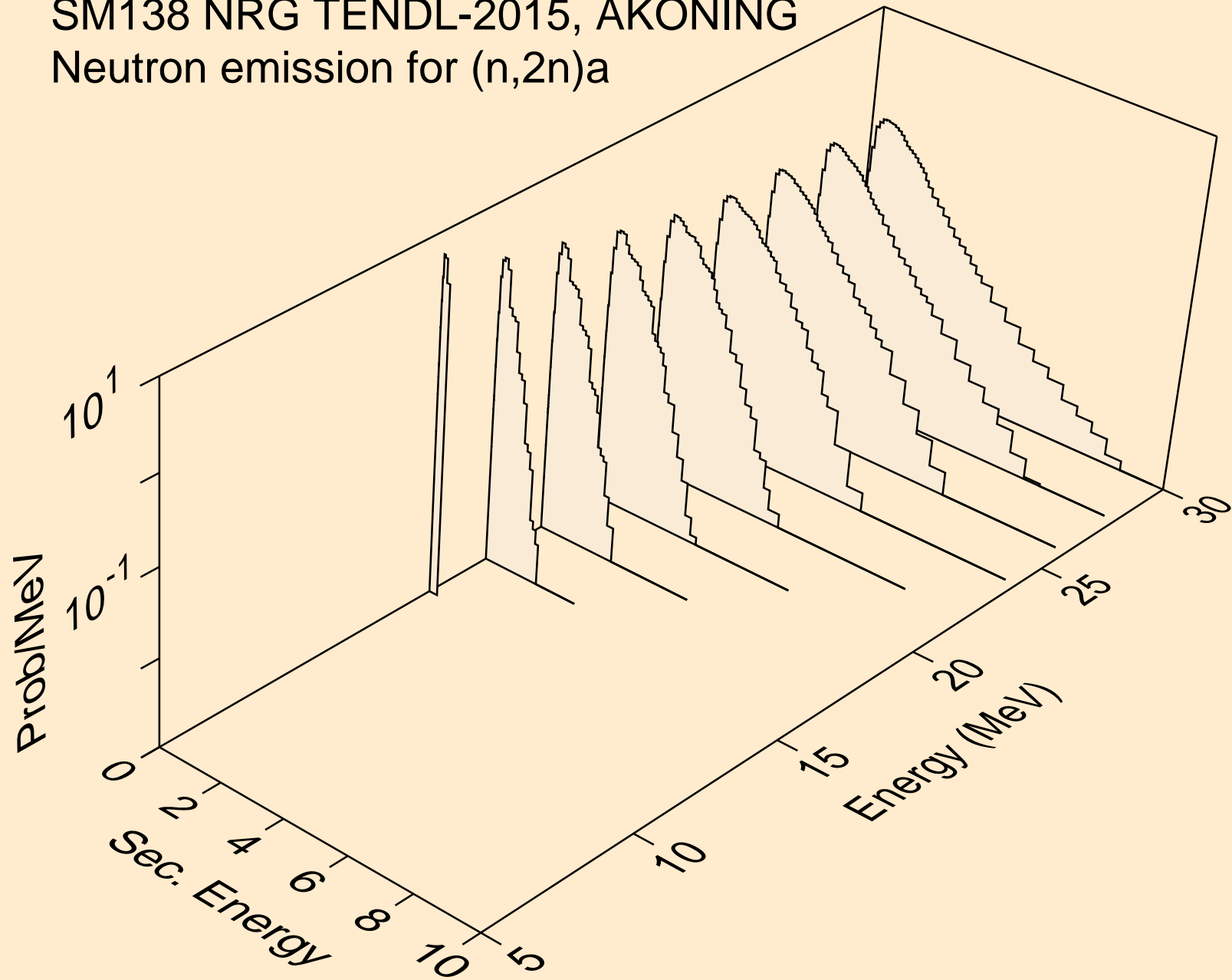
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



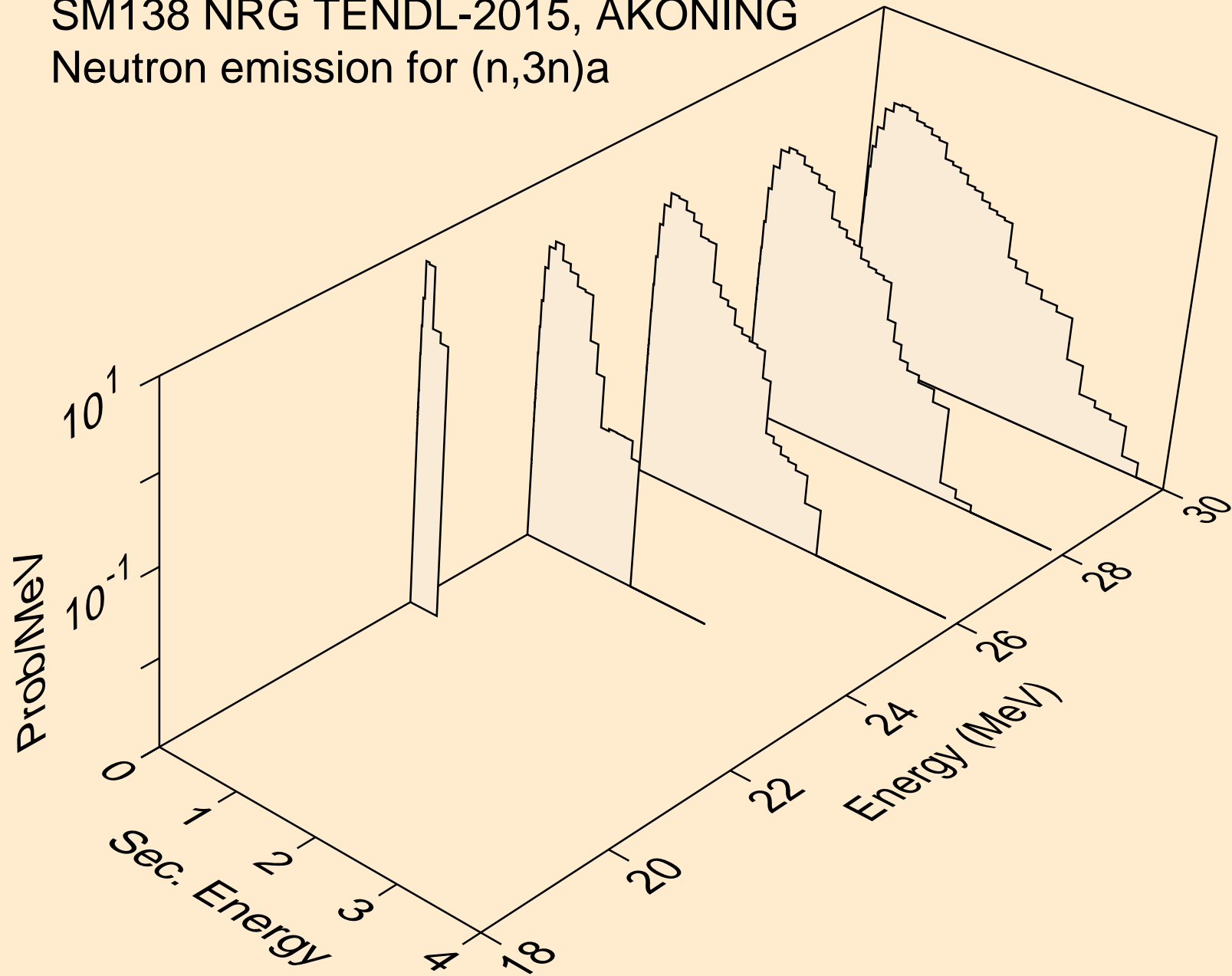
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

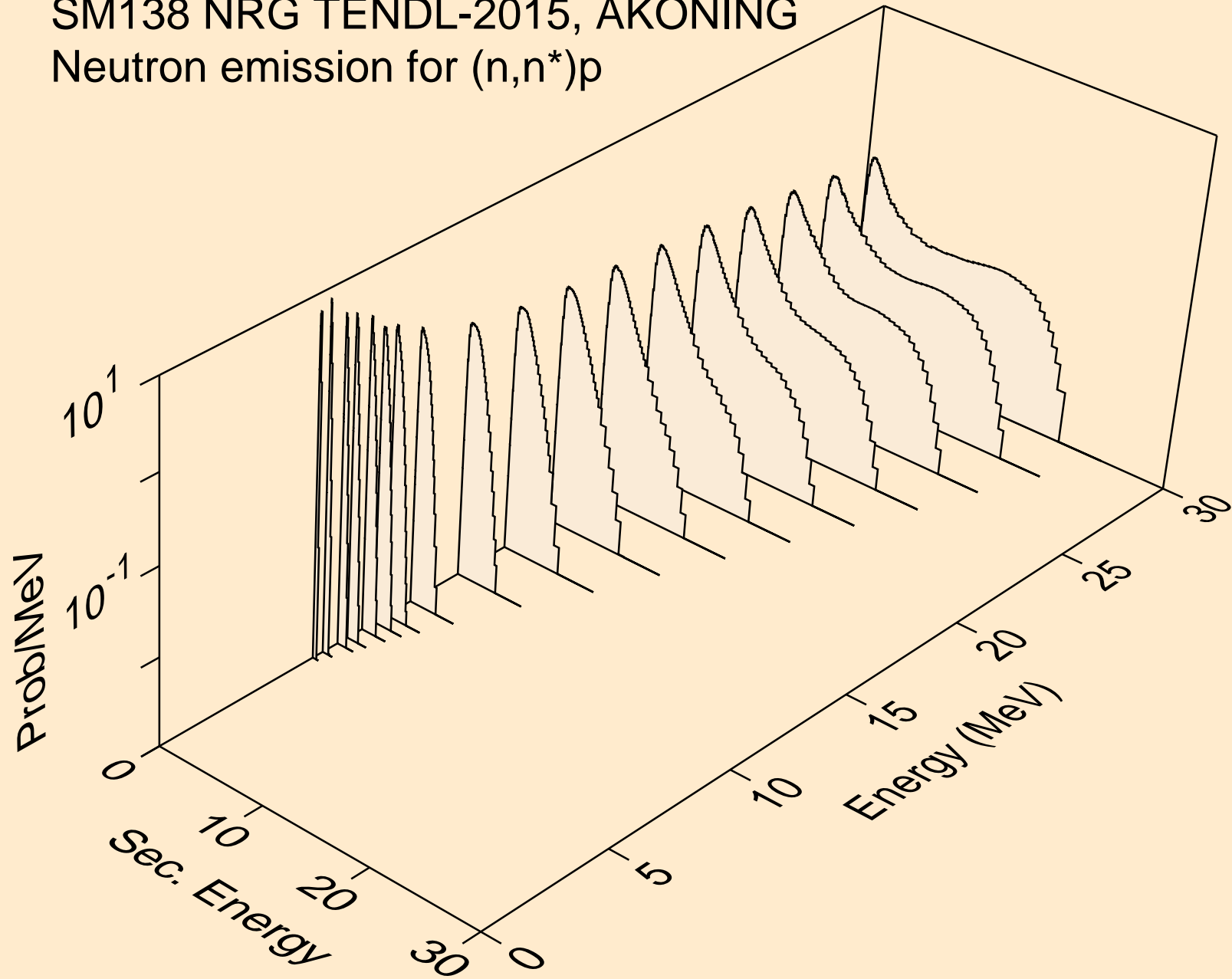


SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

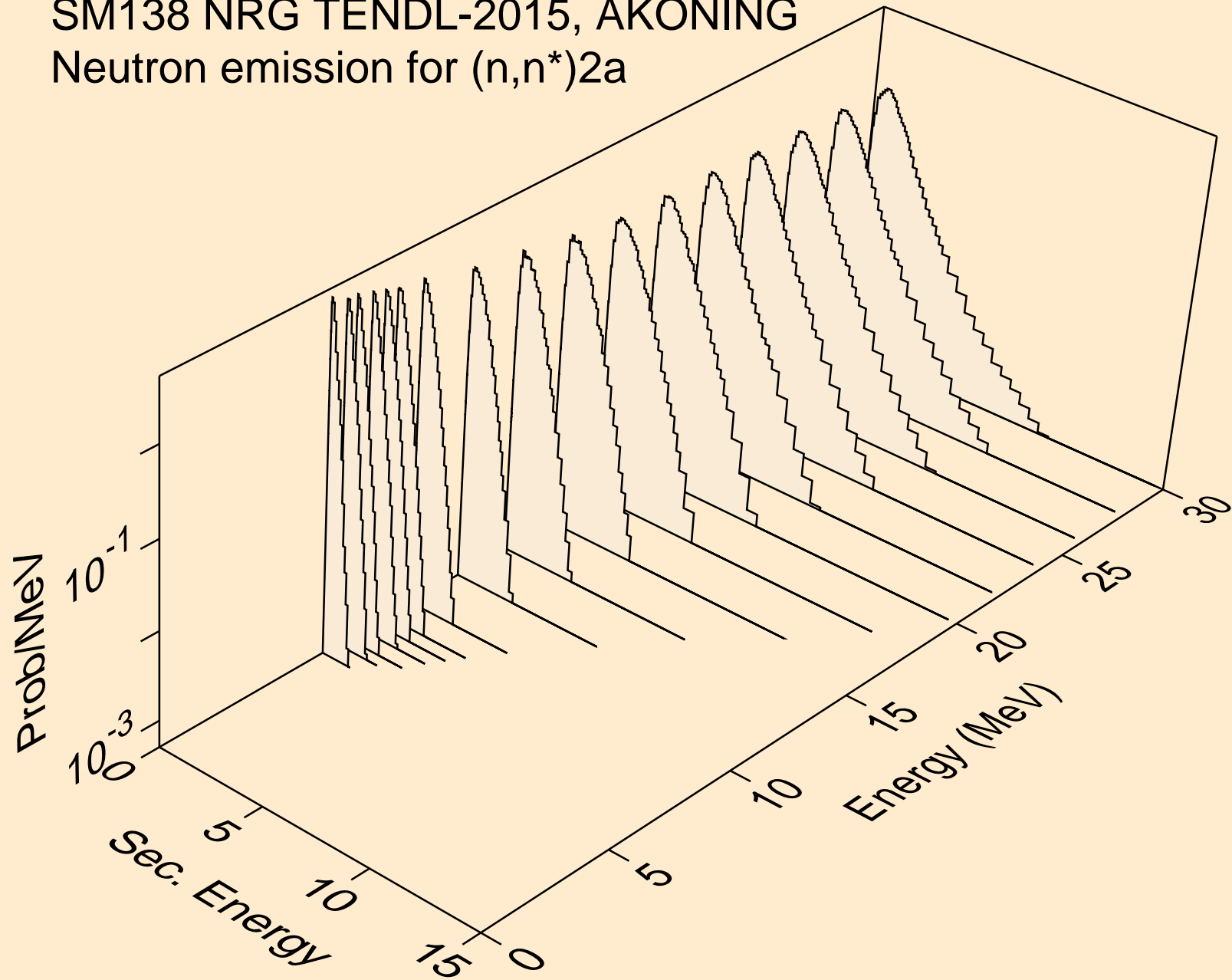




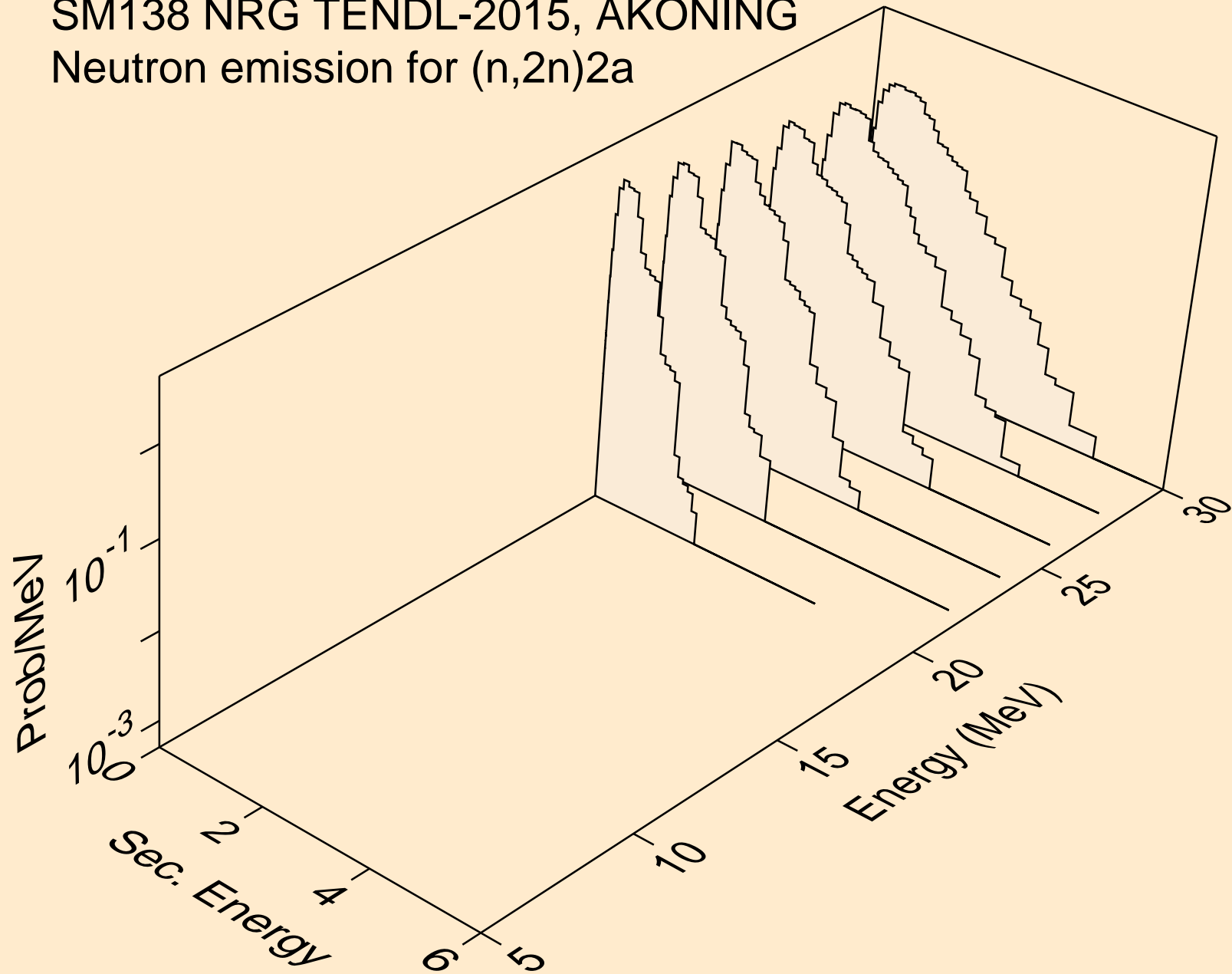
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



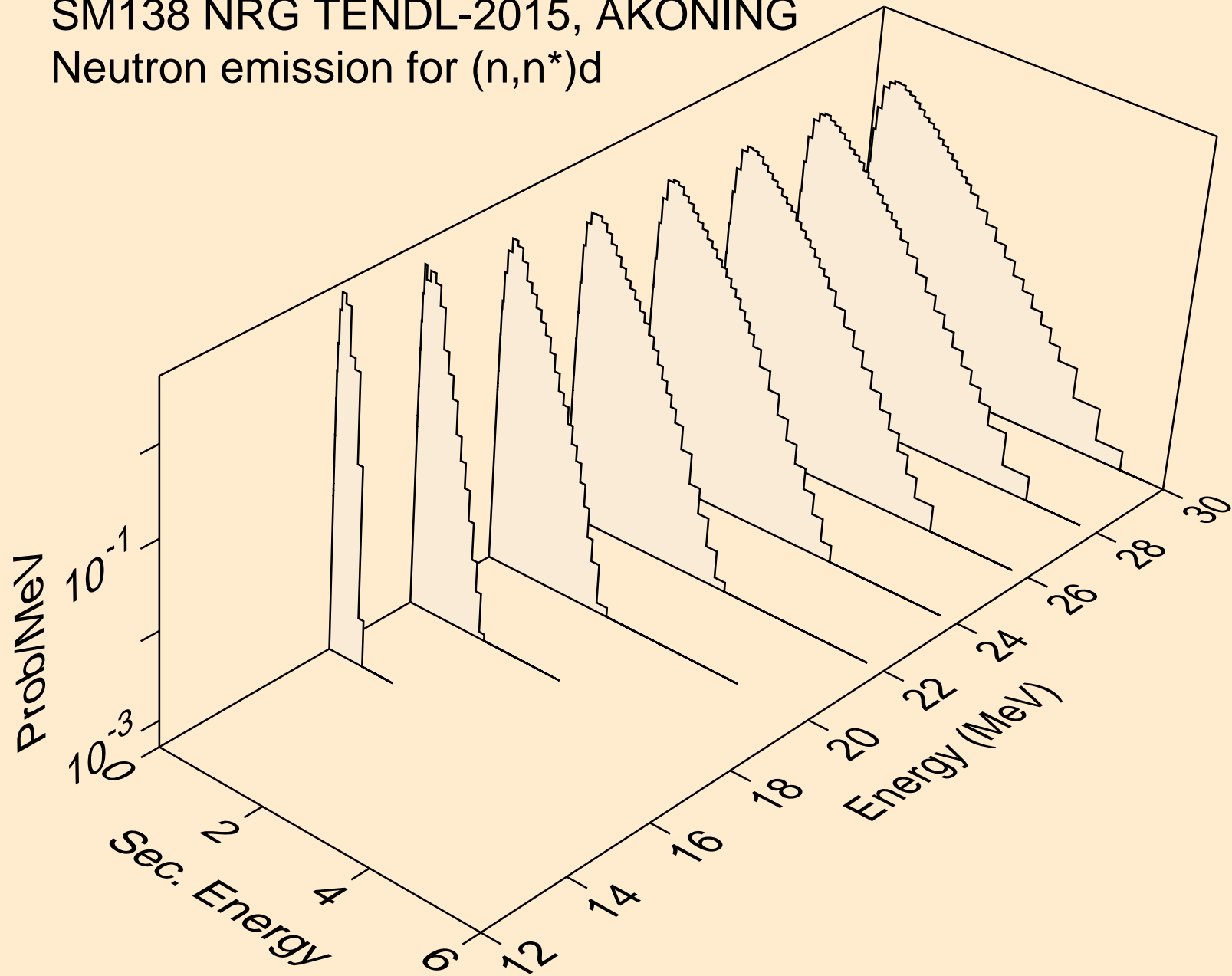
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



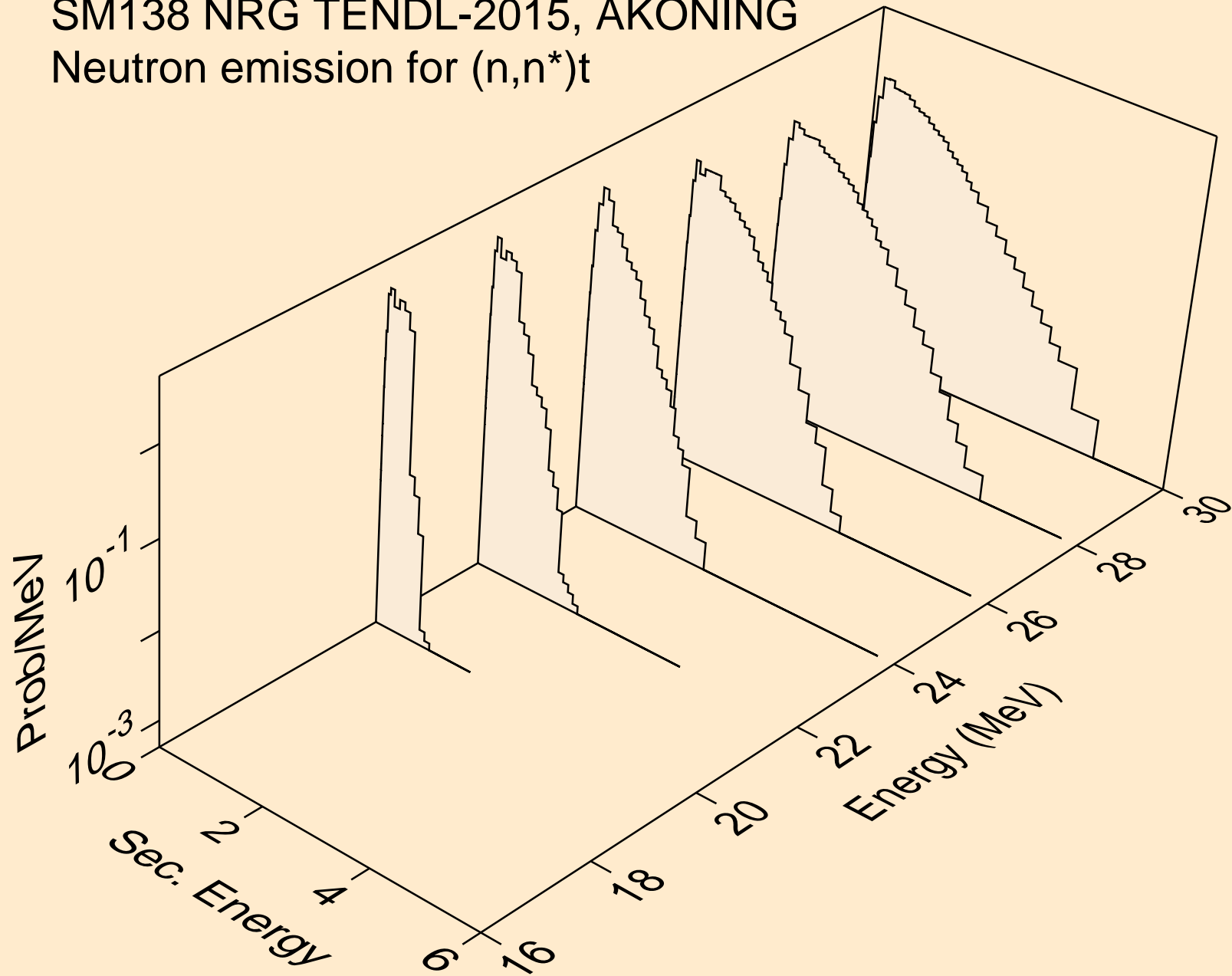
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



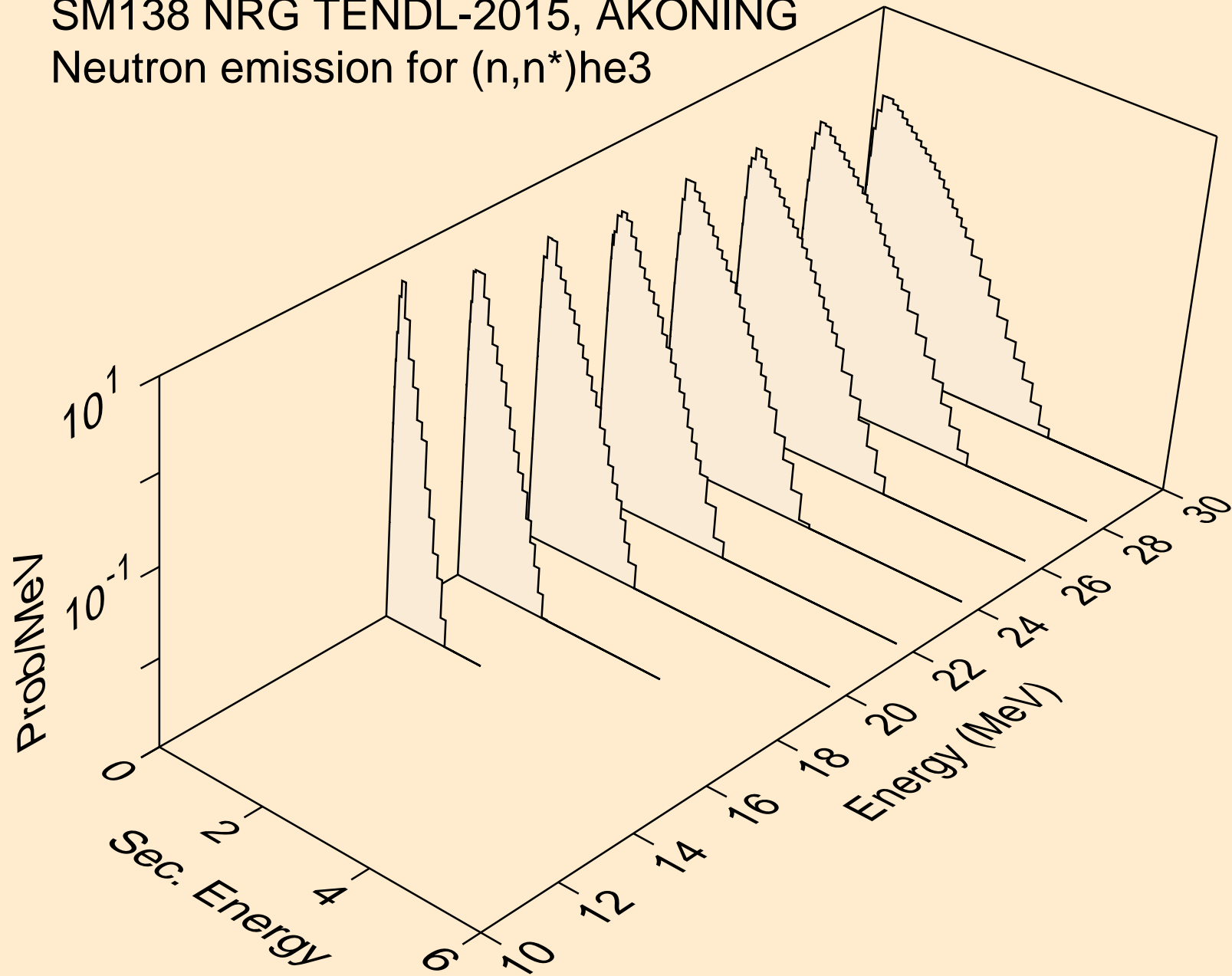
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



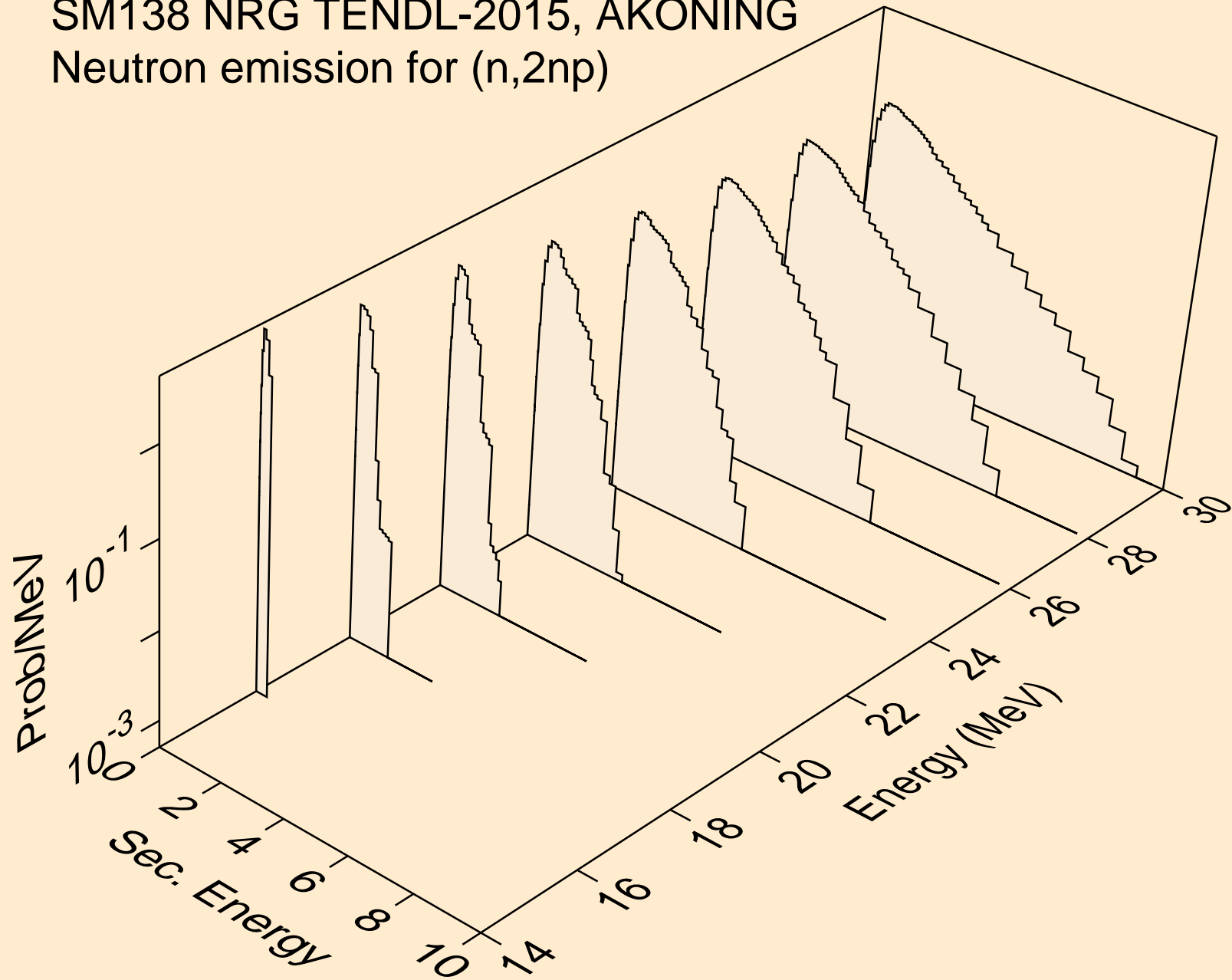
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



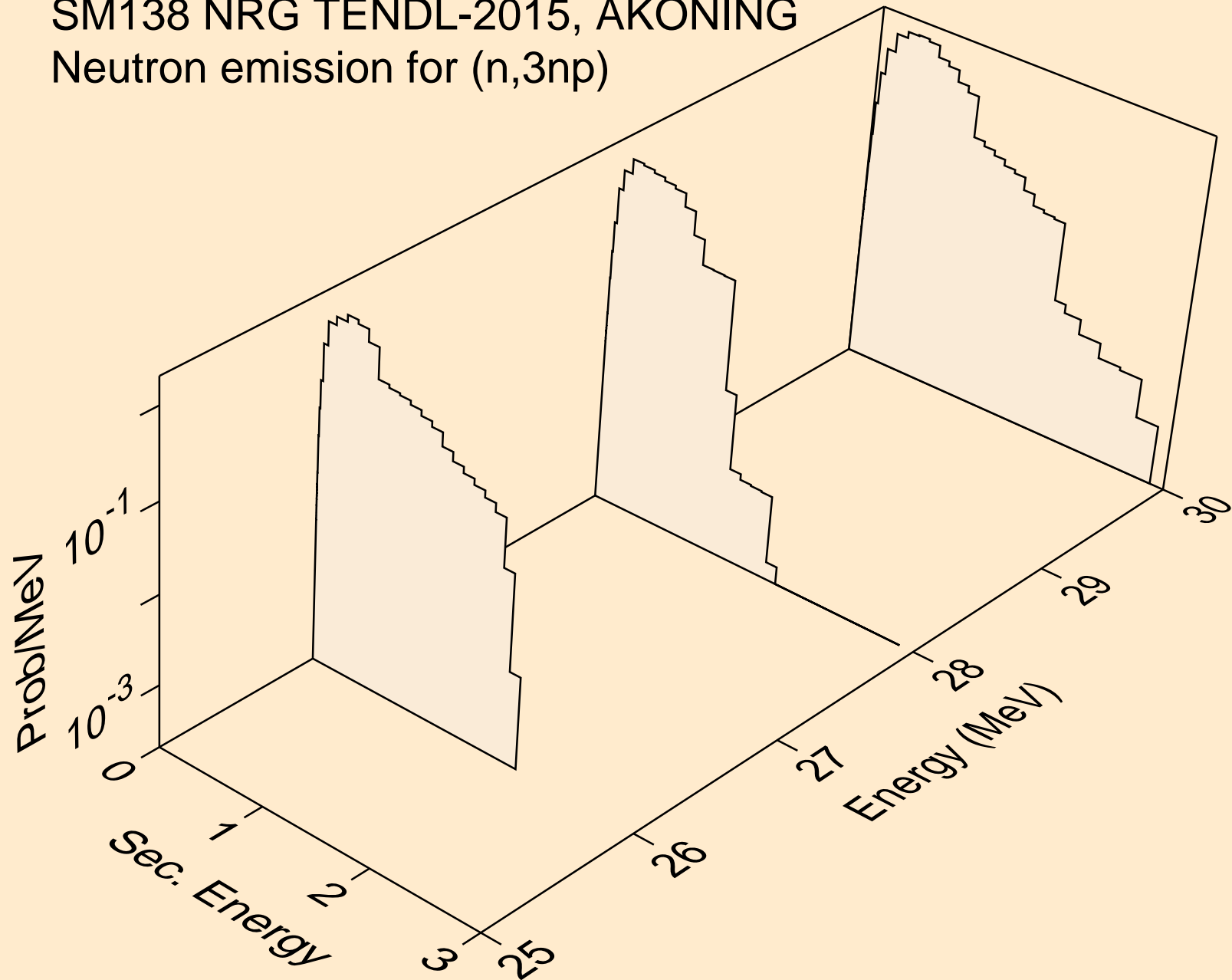
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

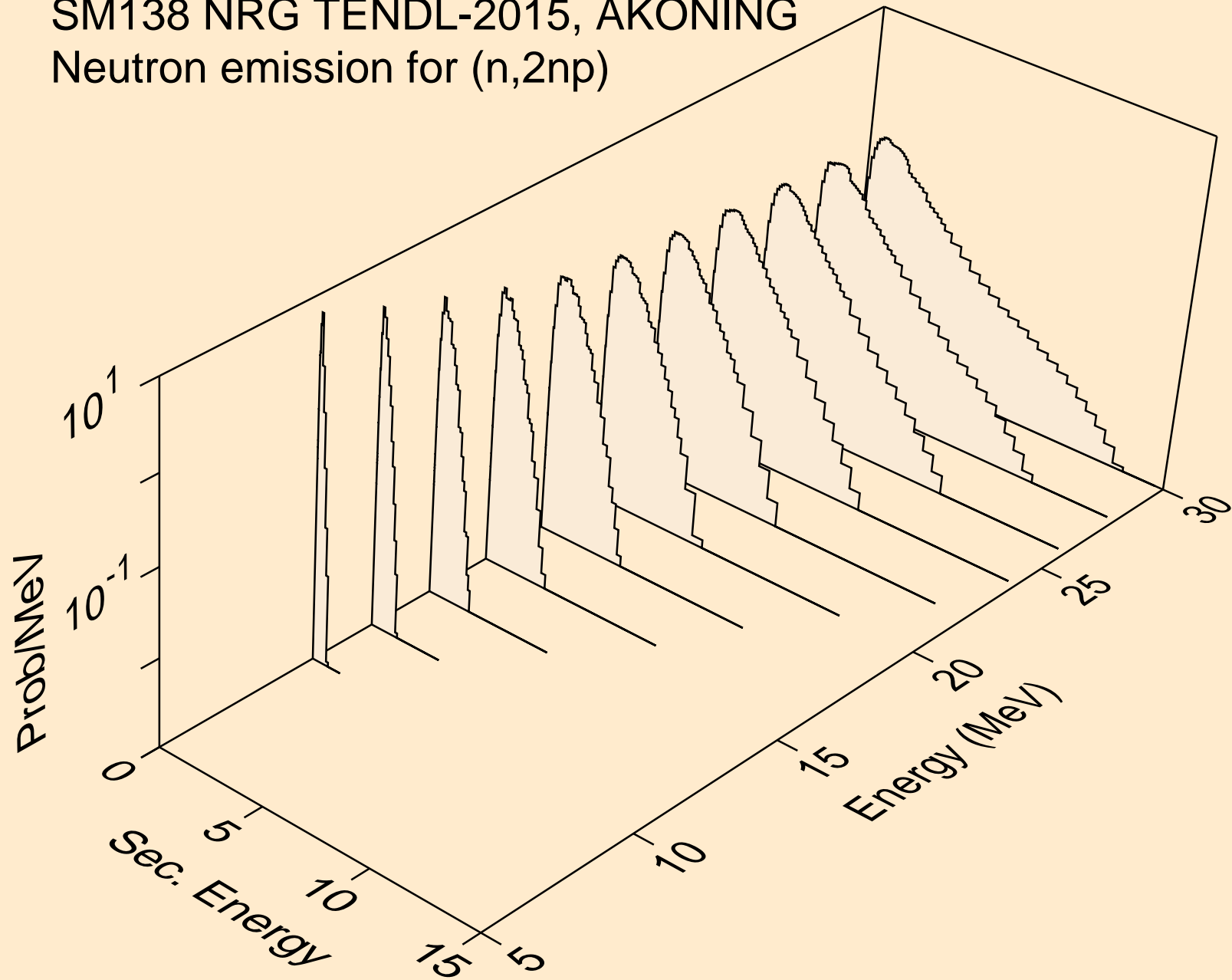


SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

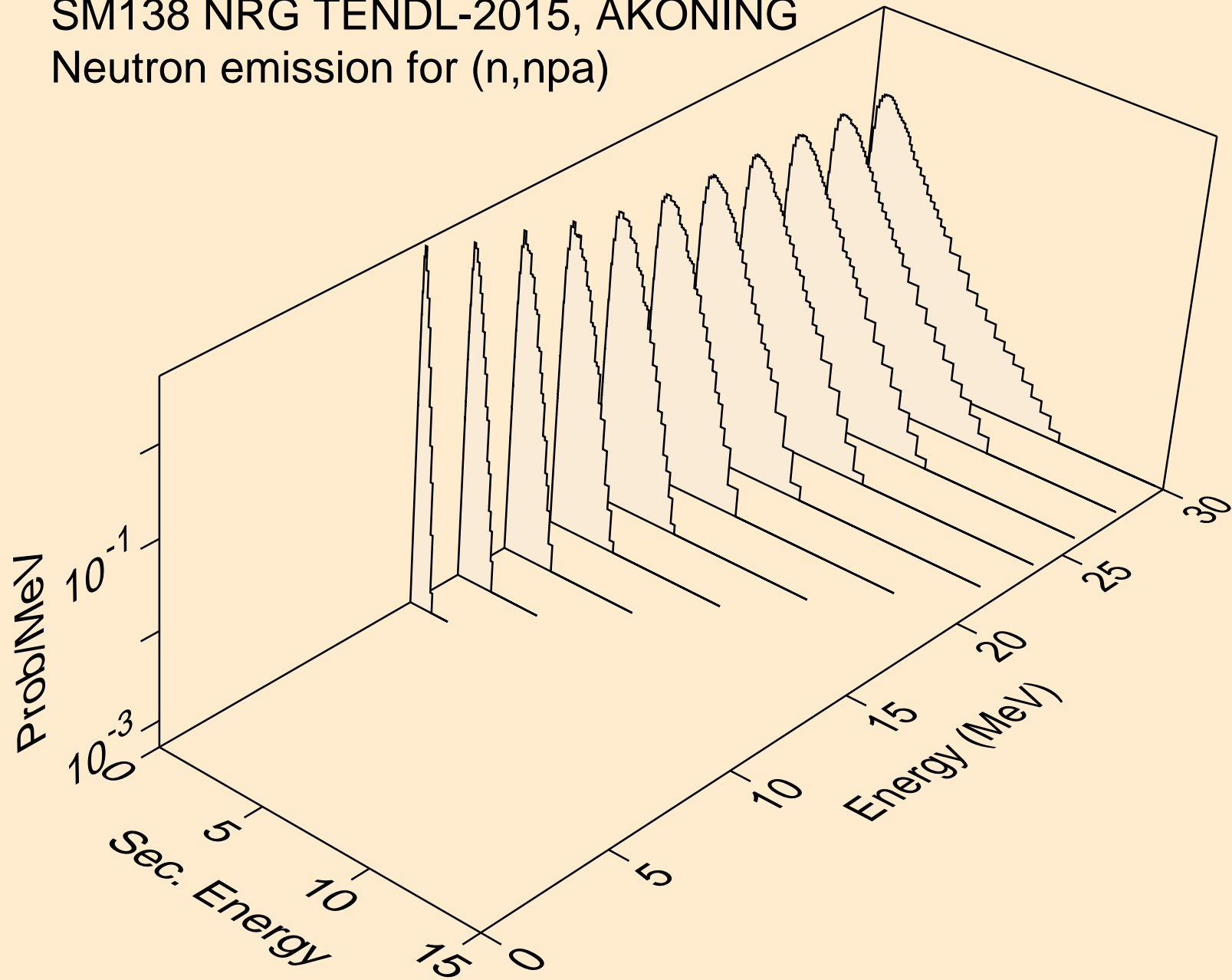




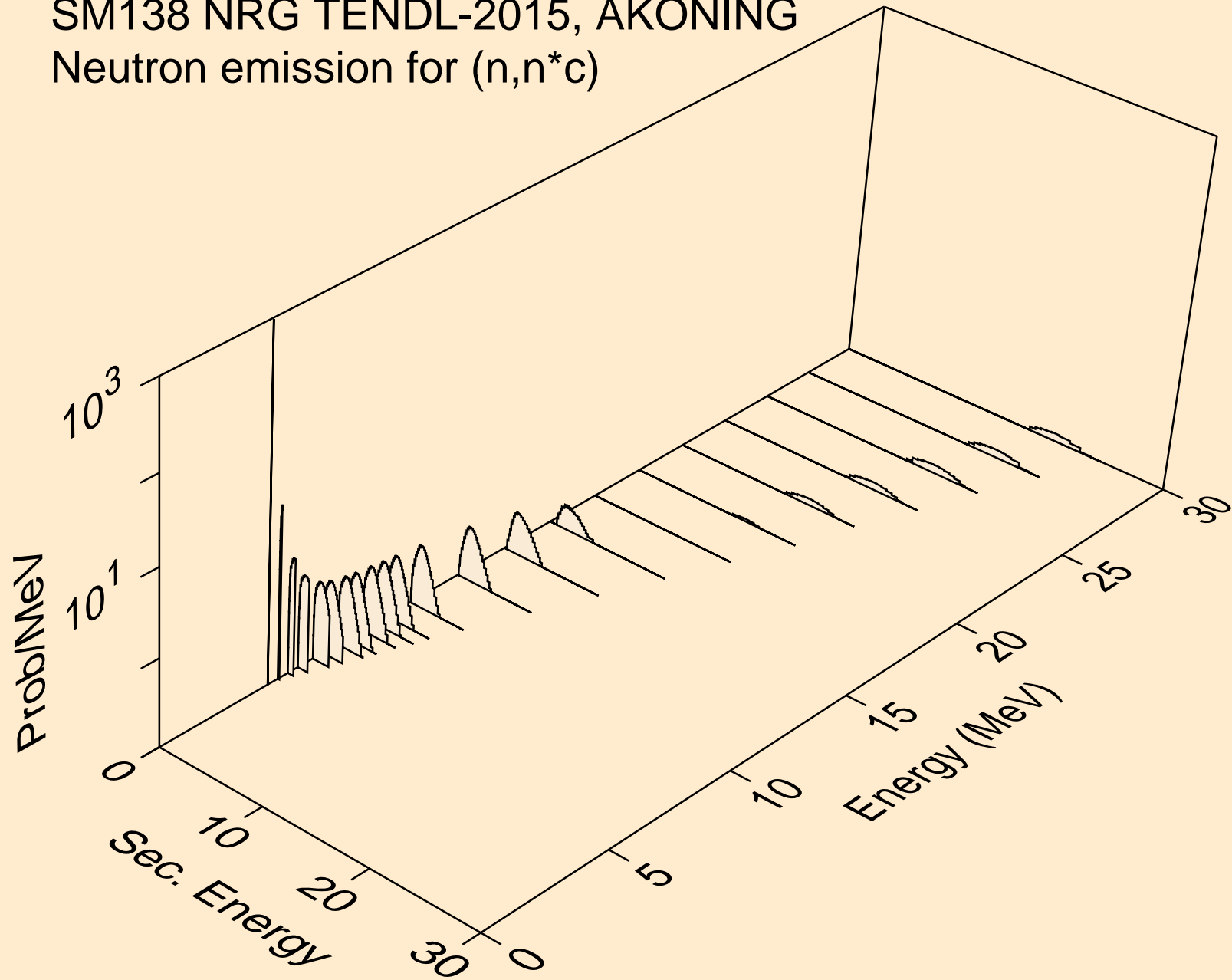
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



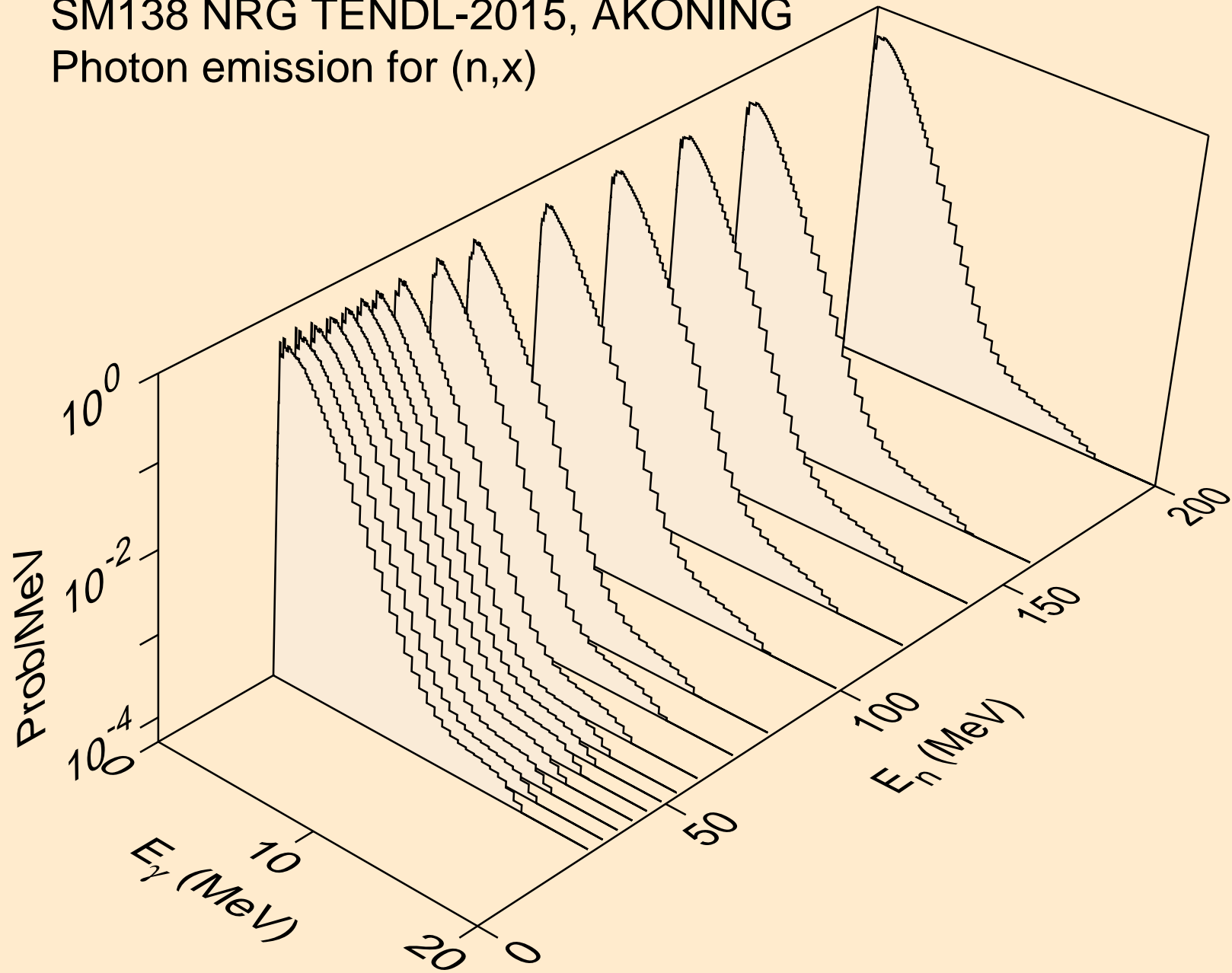
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



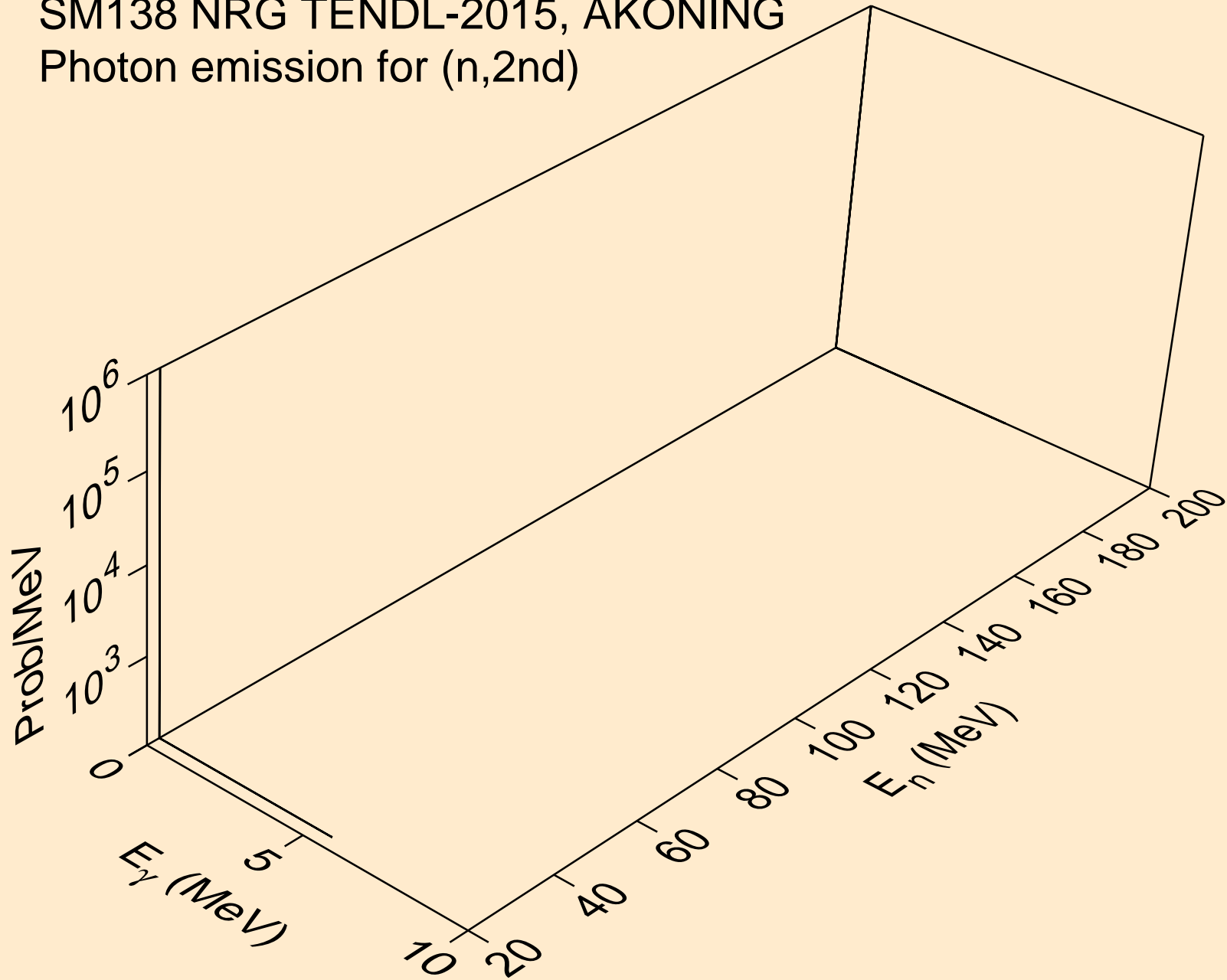
SM138 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



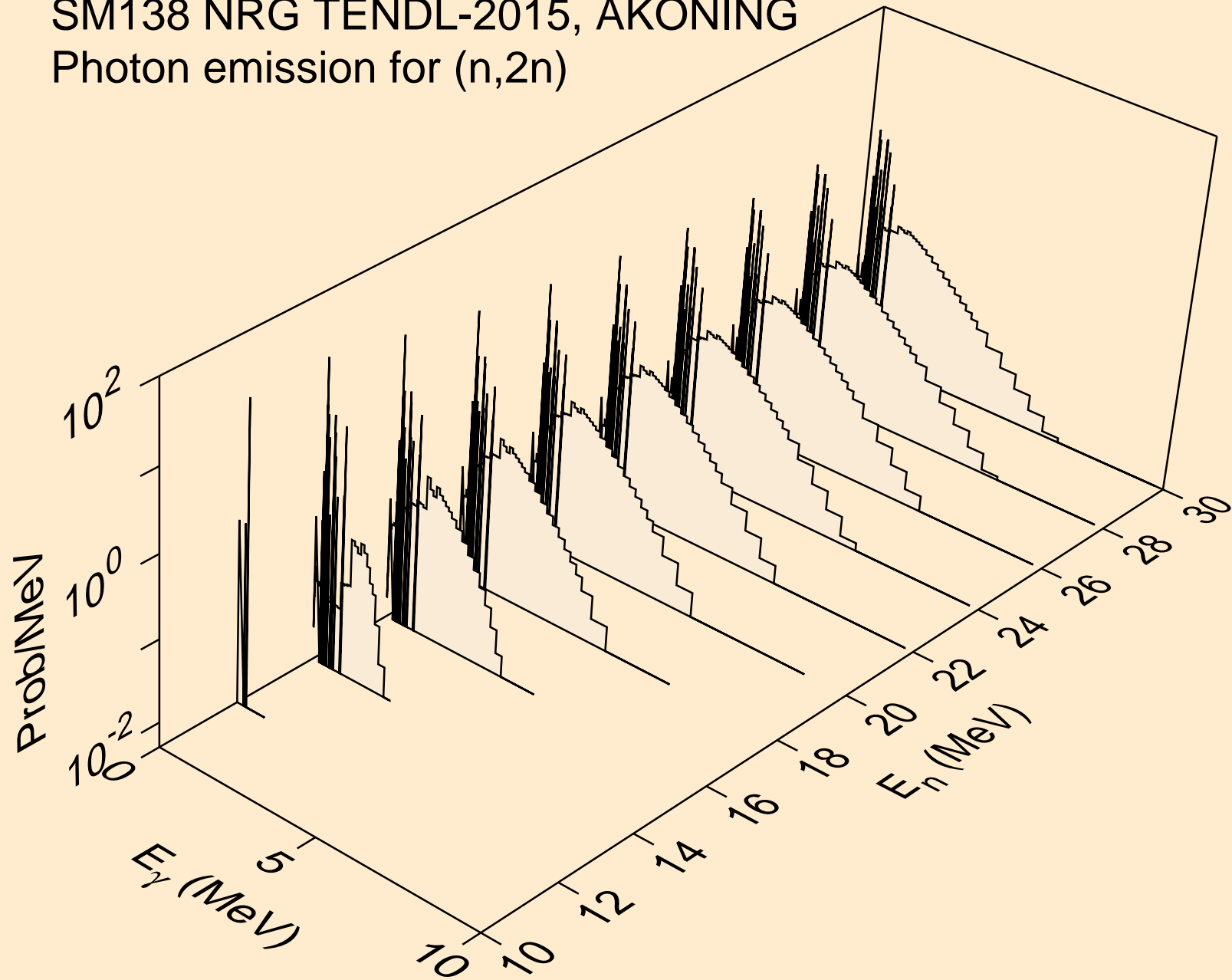
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



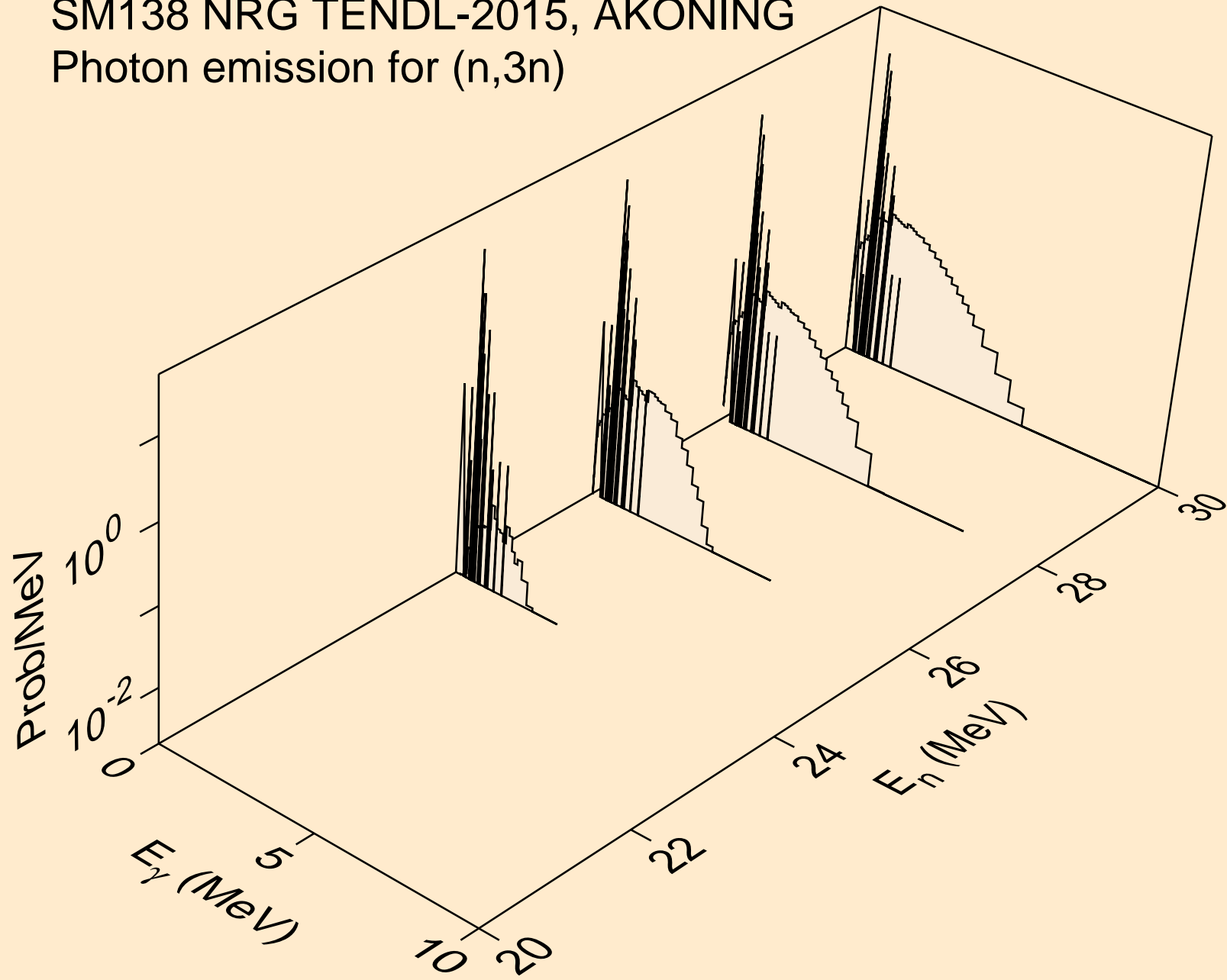
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



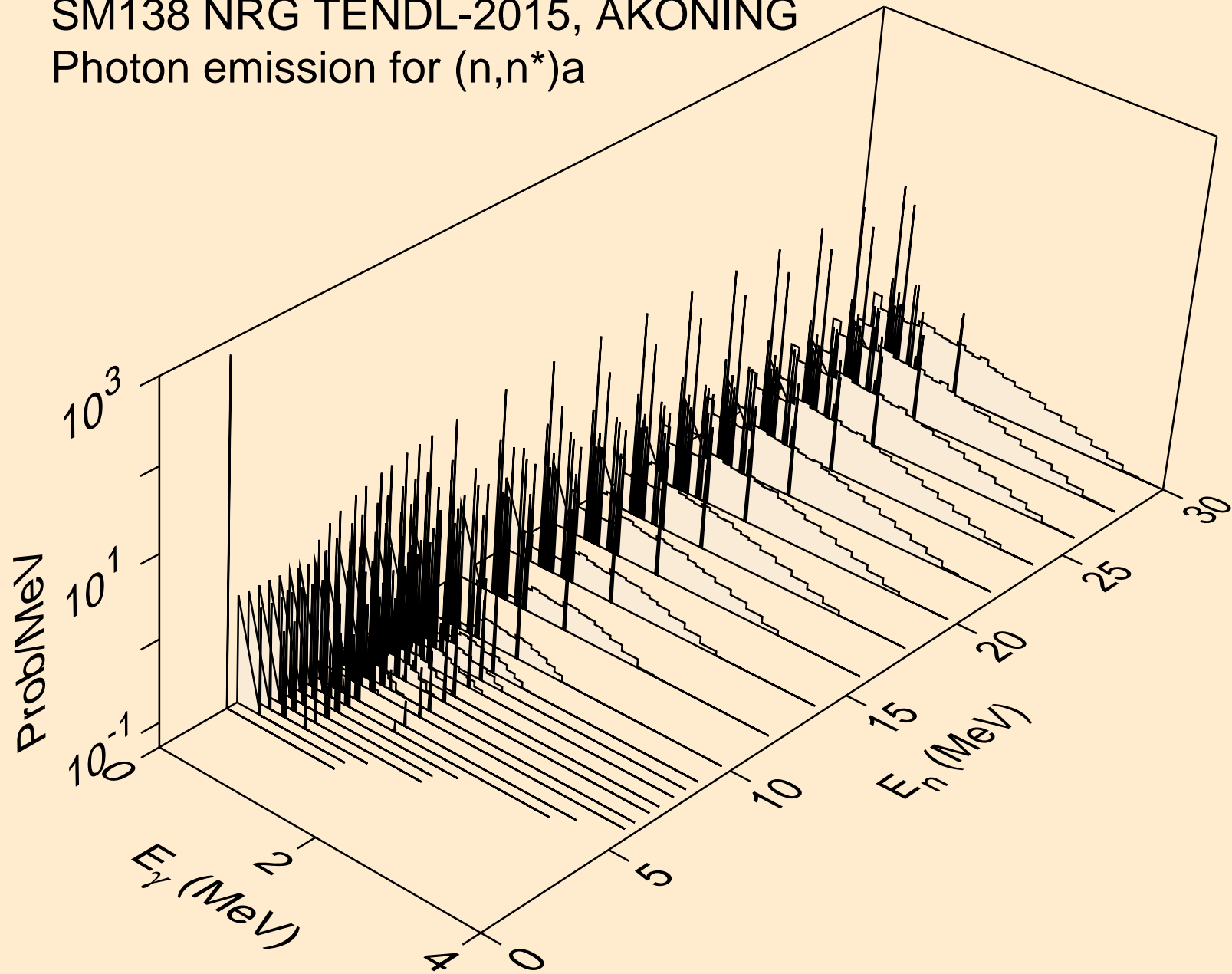
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

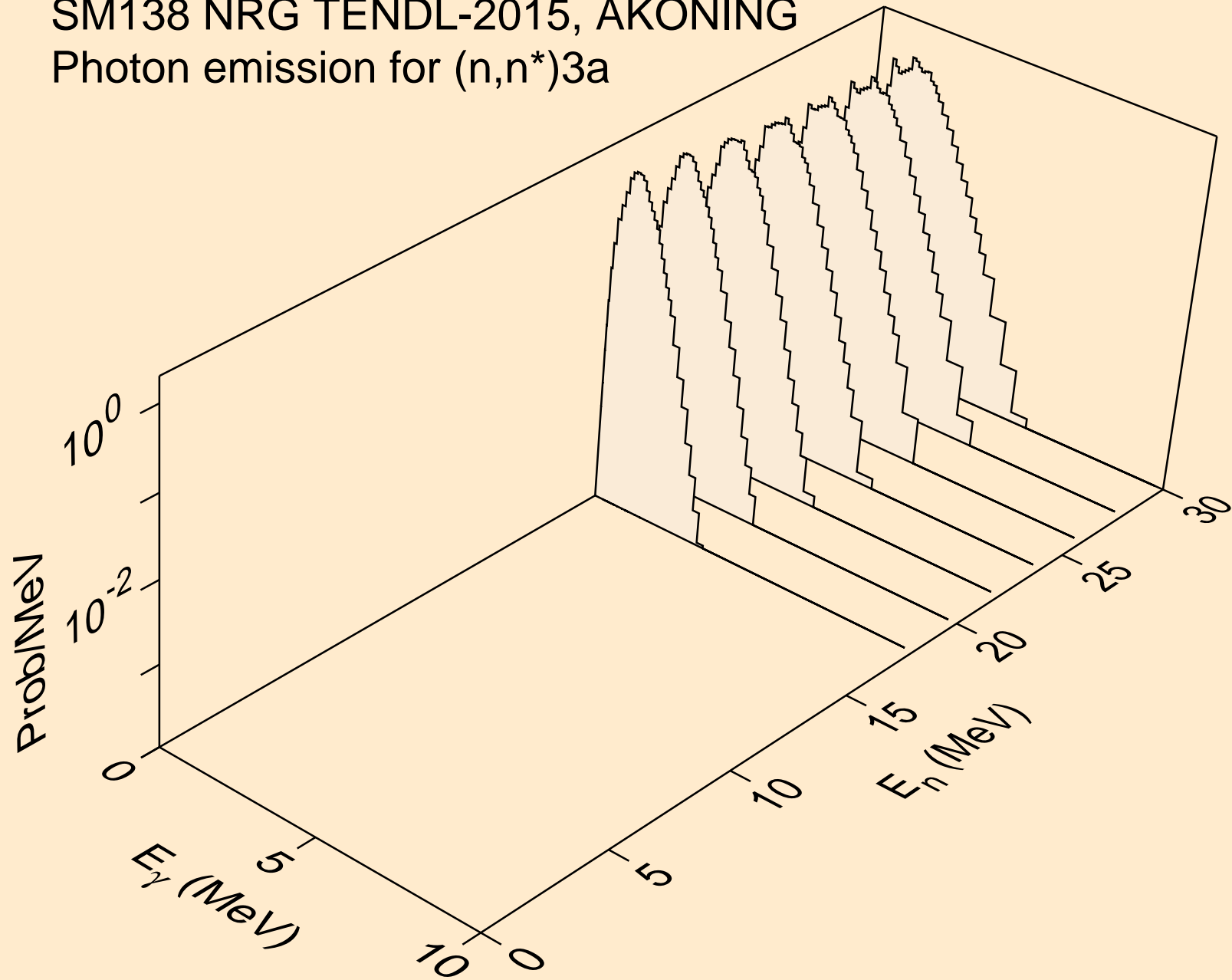


SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

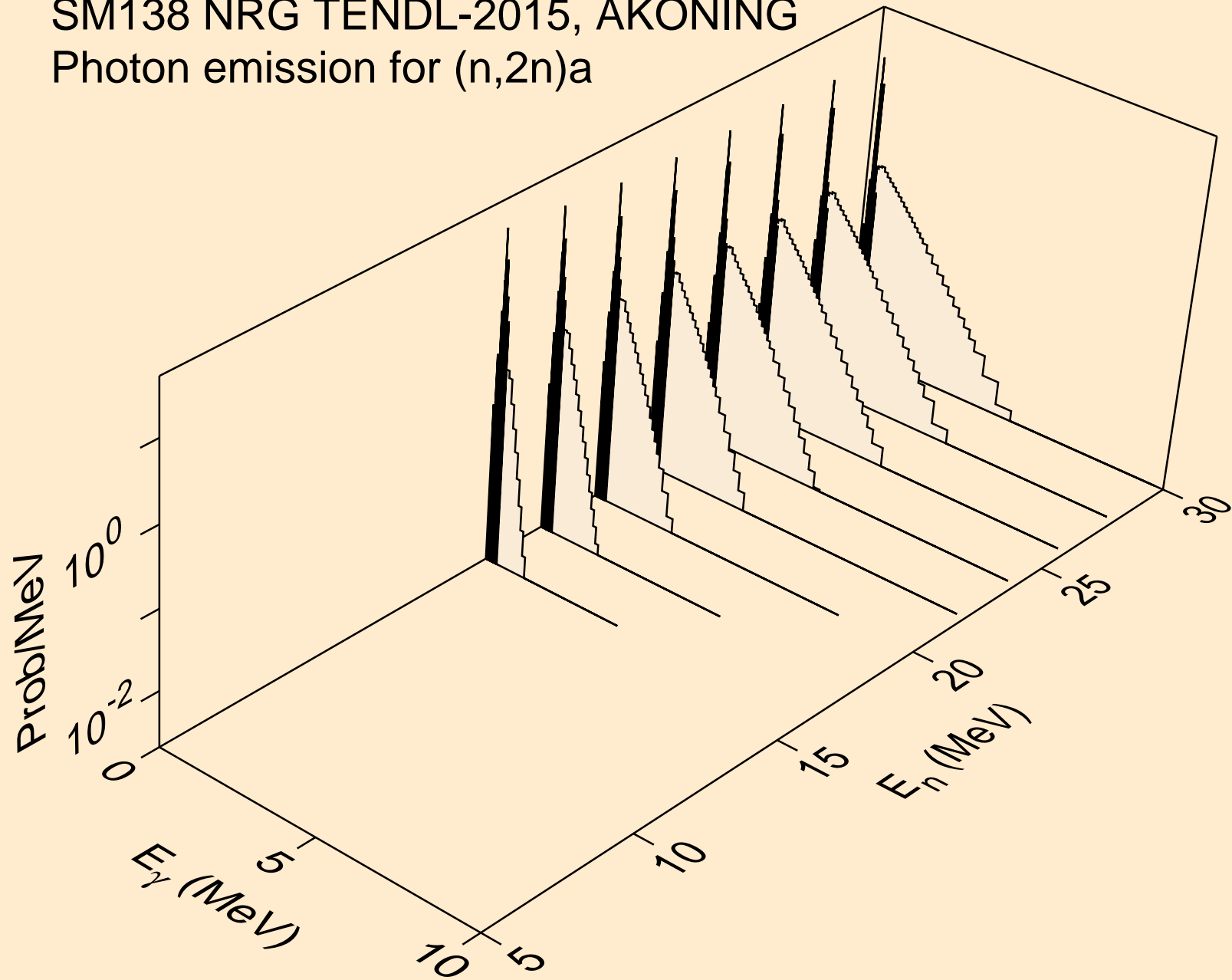




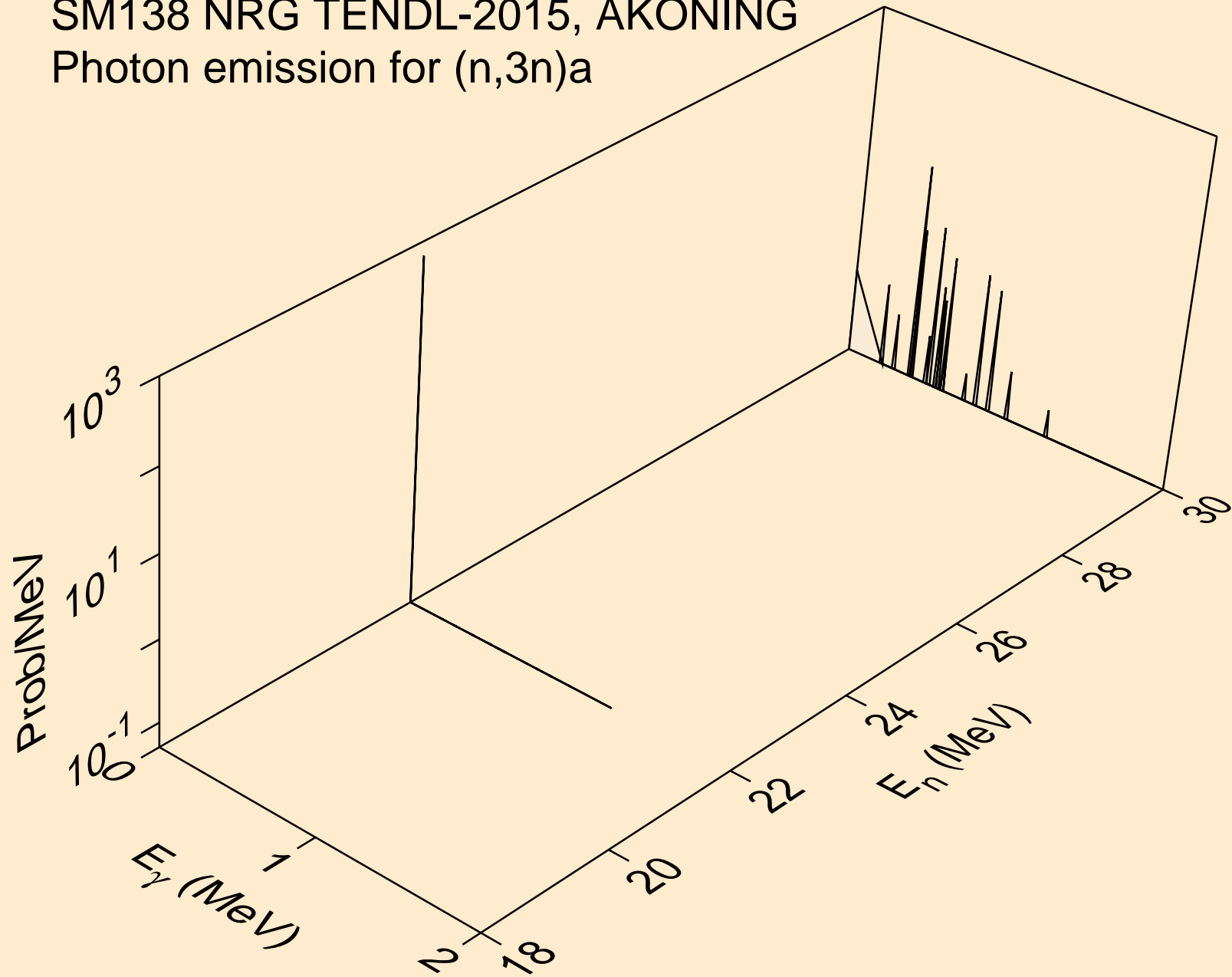
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



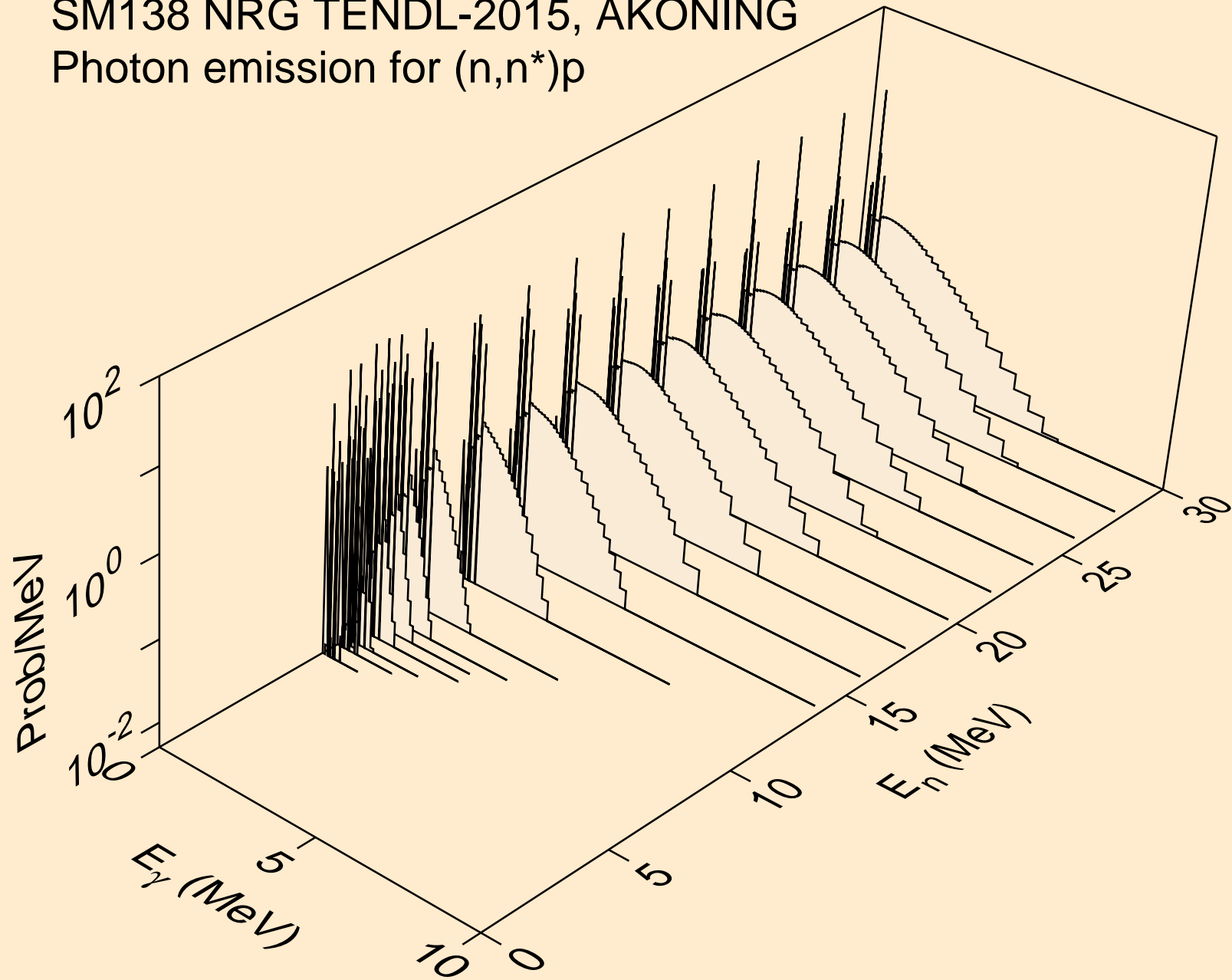
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



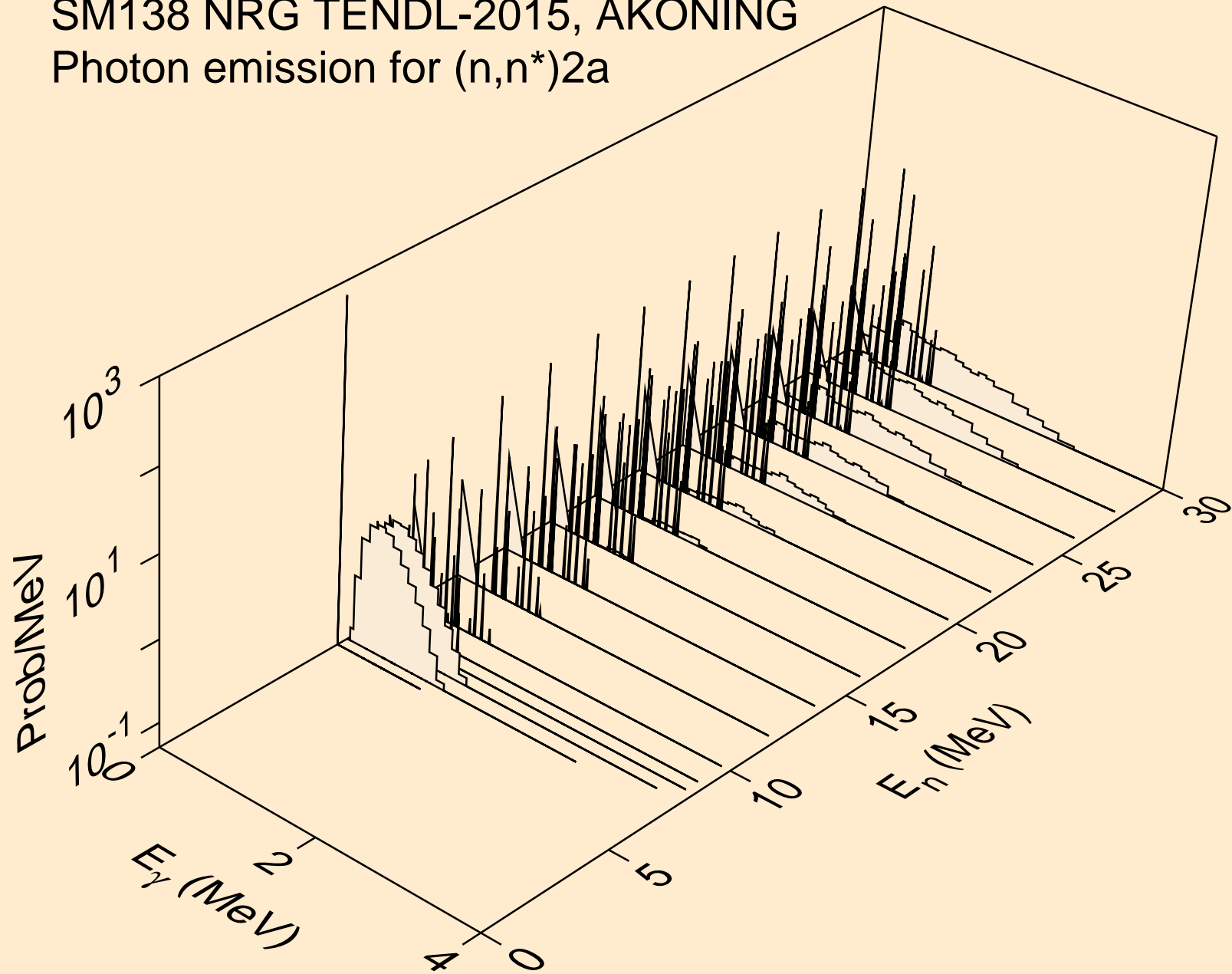
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



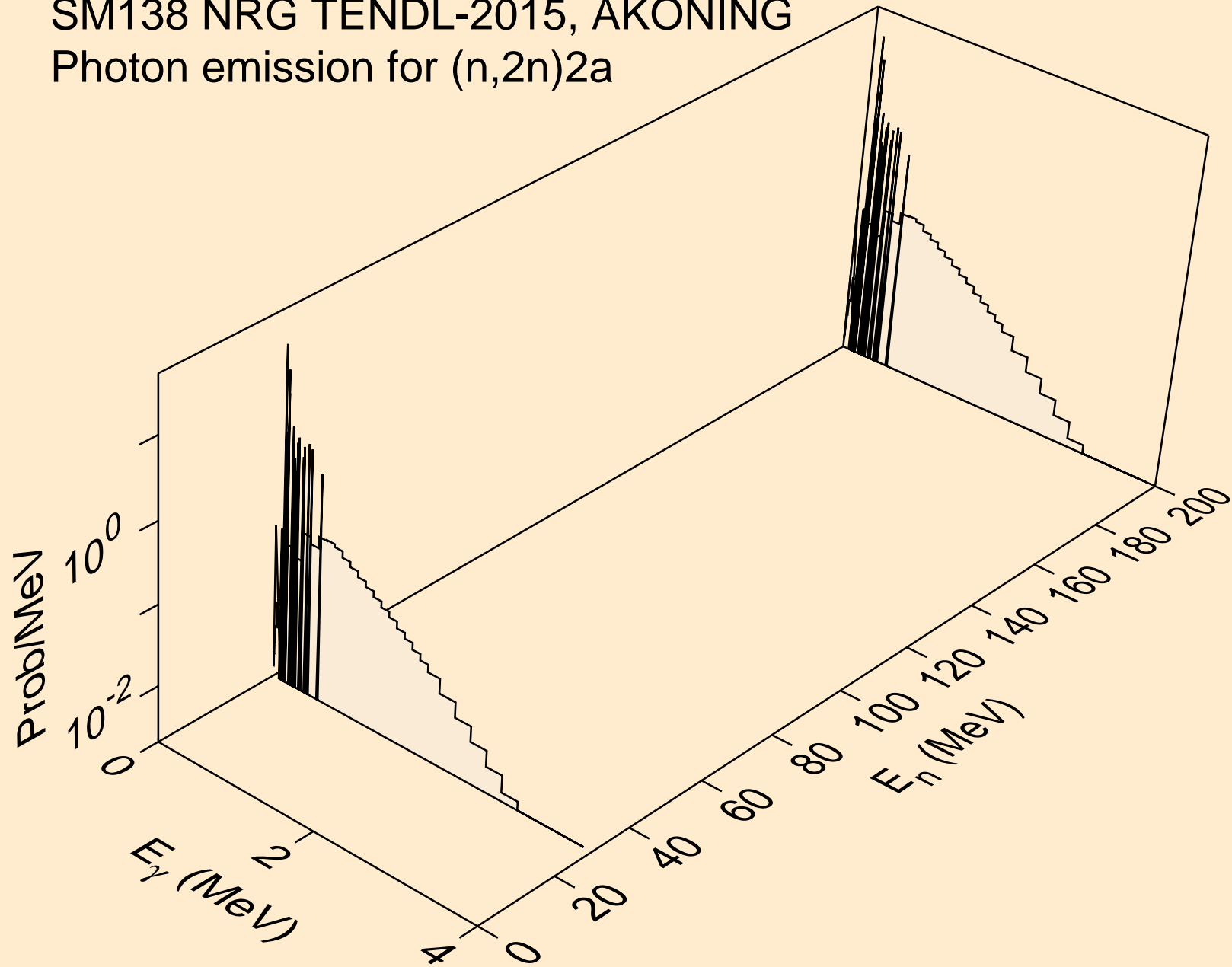
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



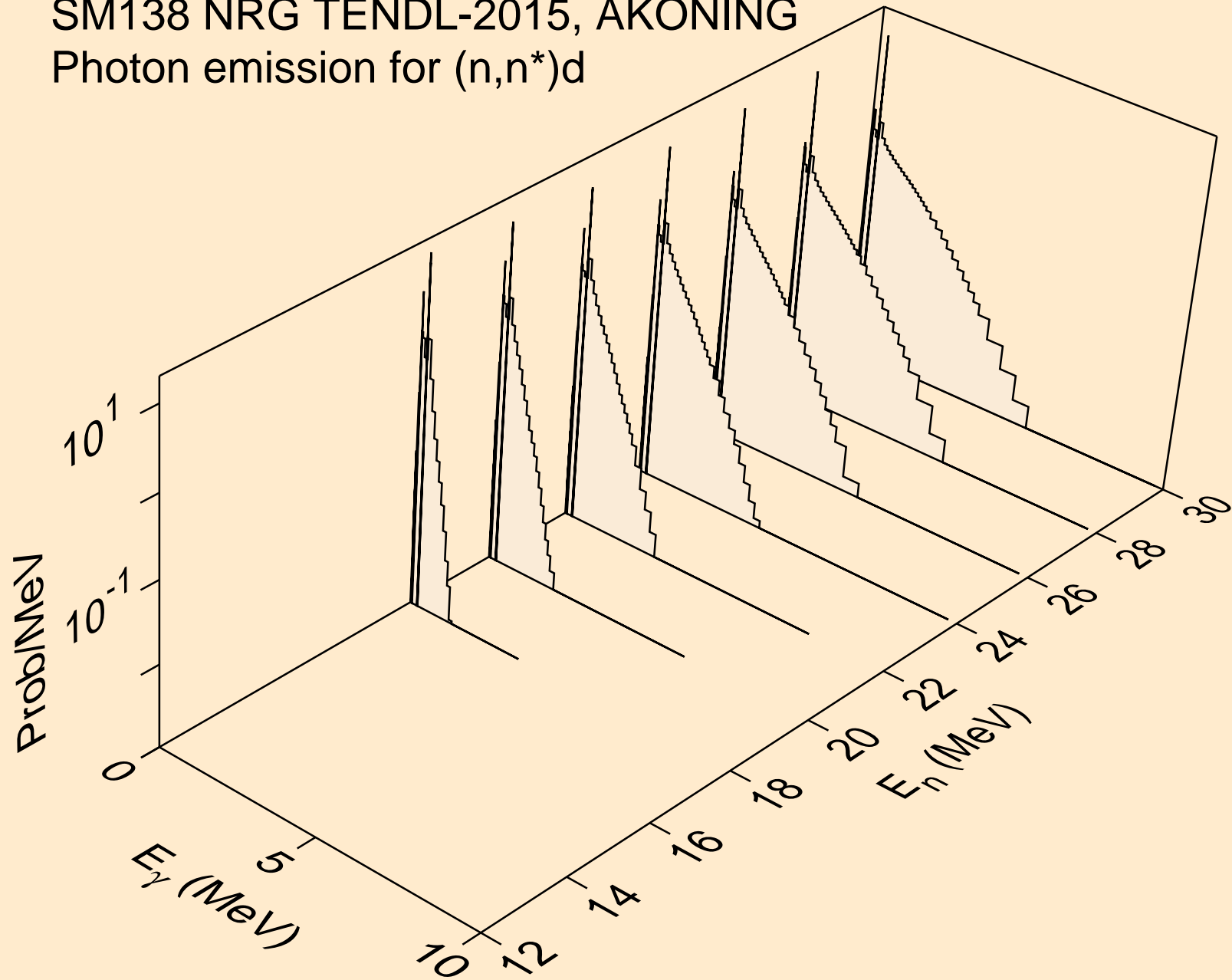
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



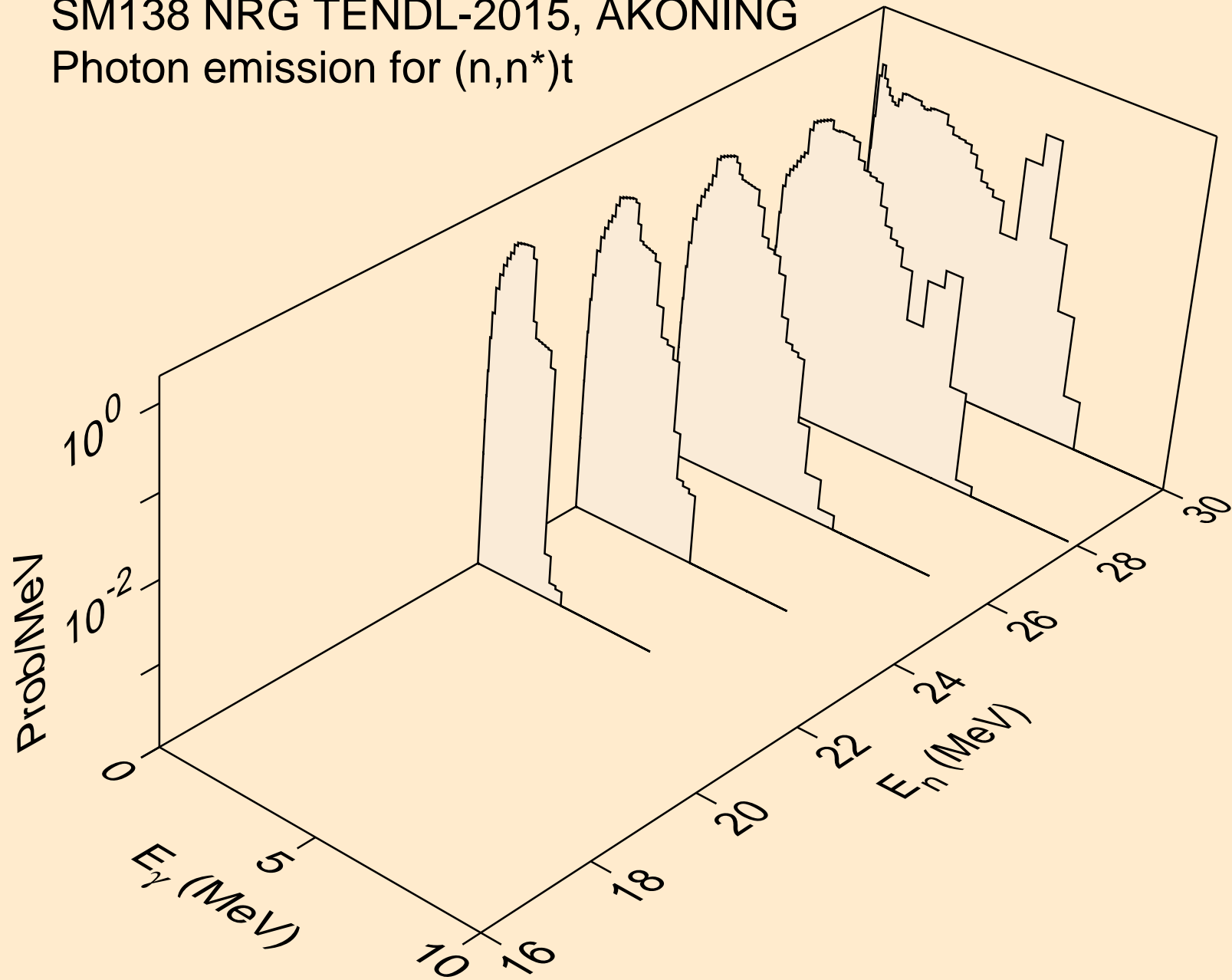
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

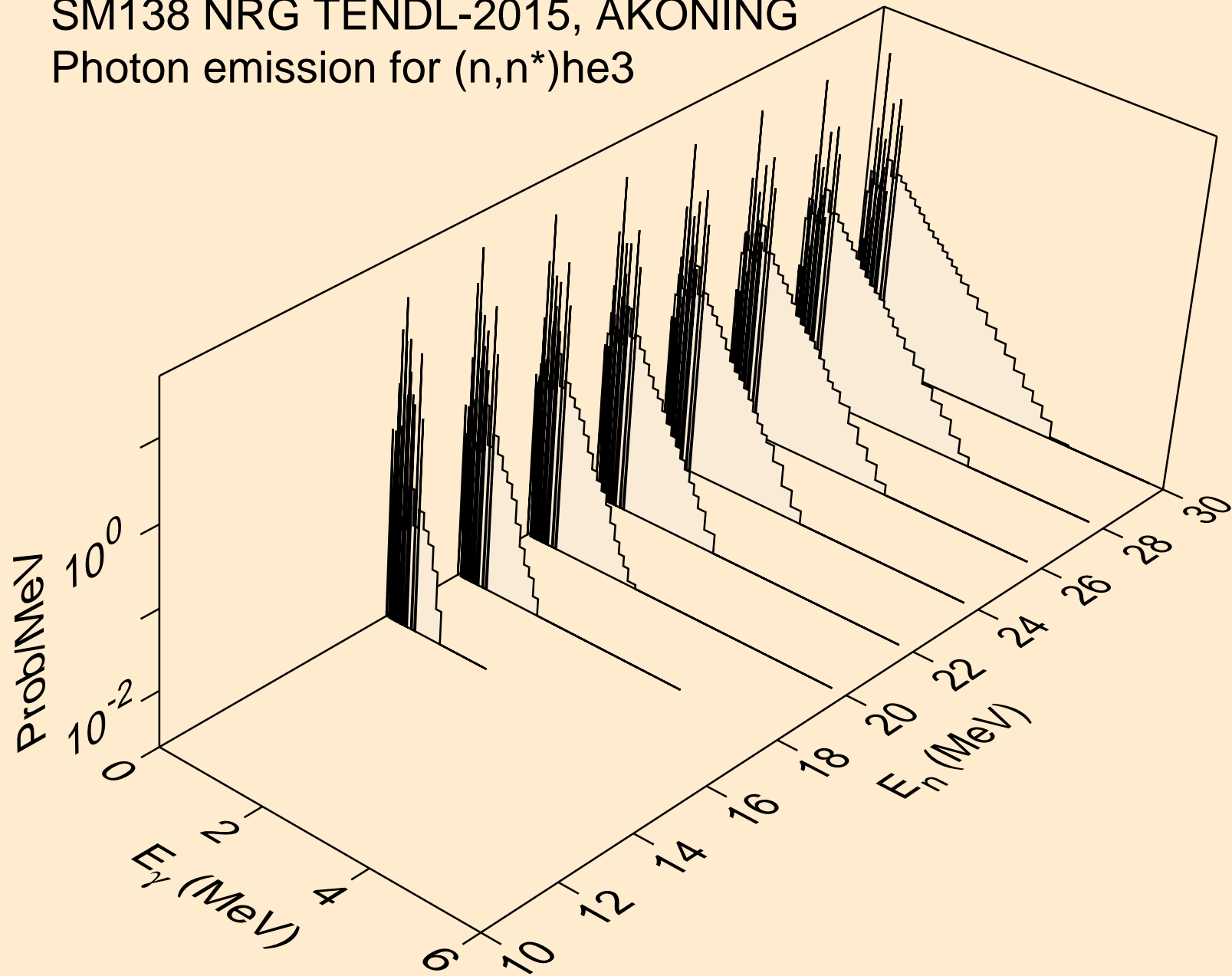


SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

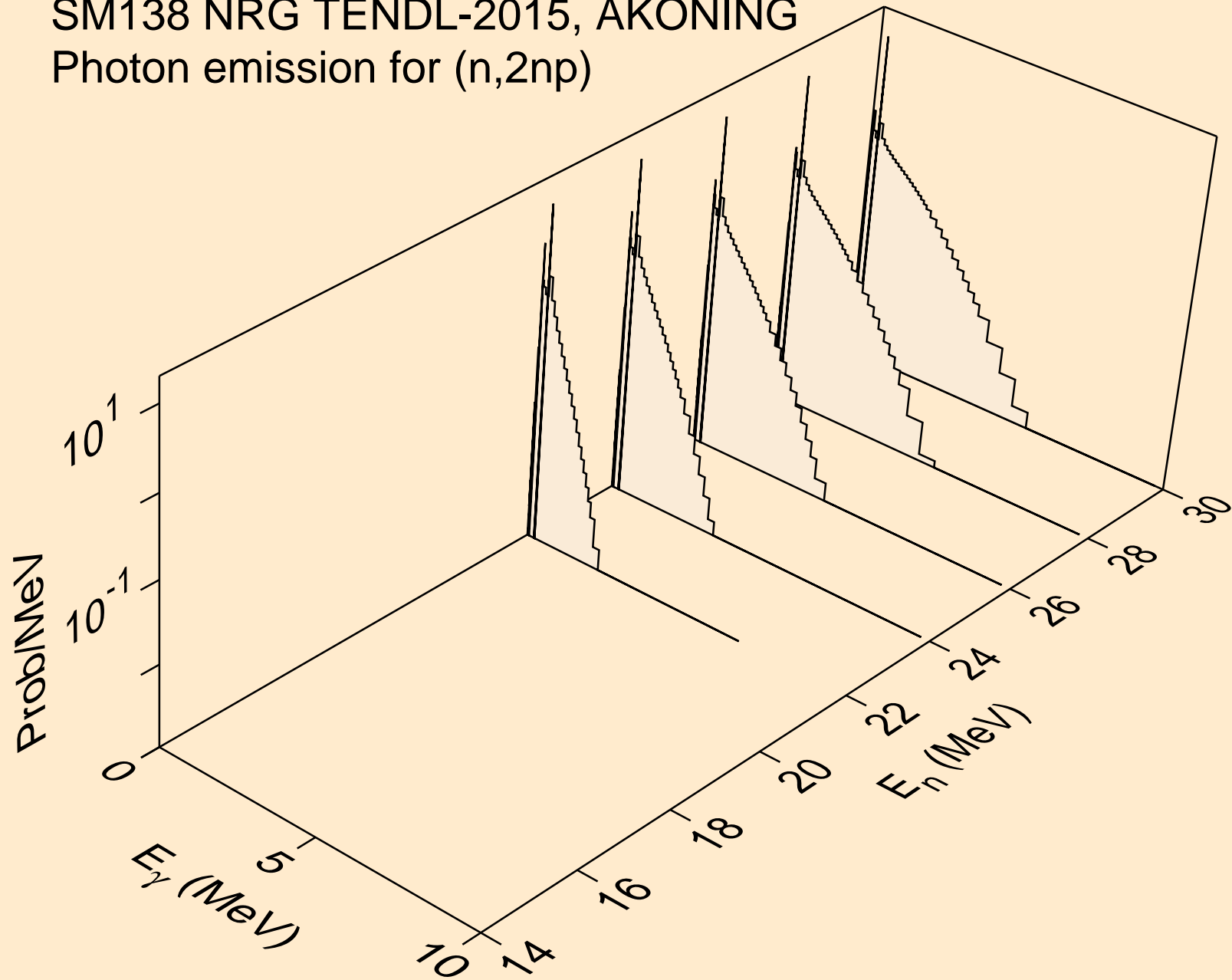




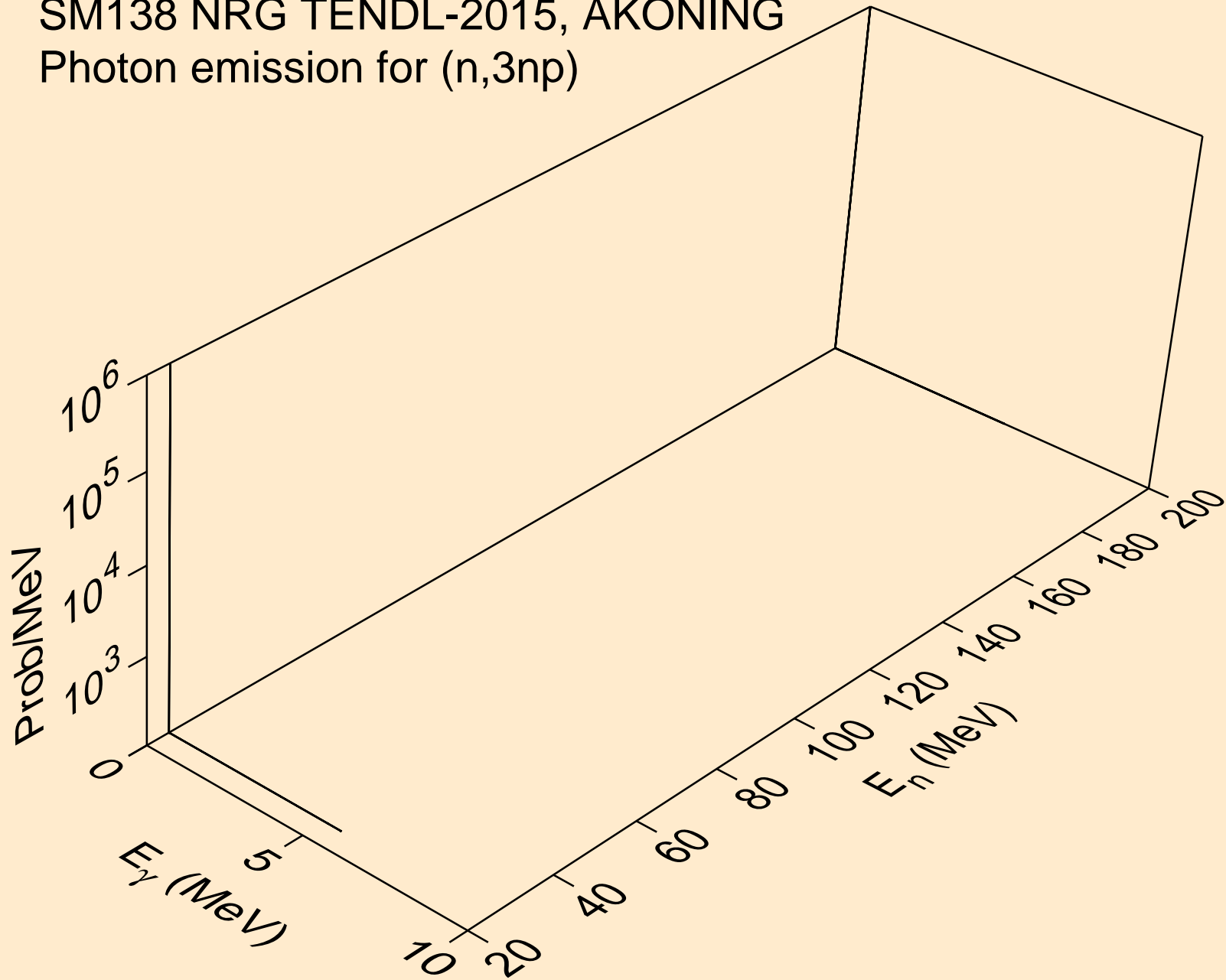
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



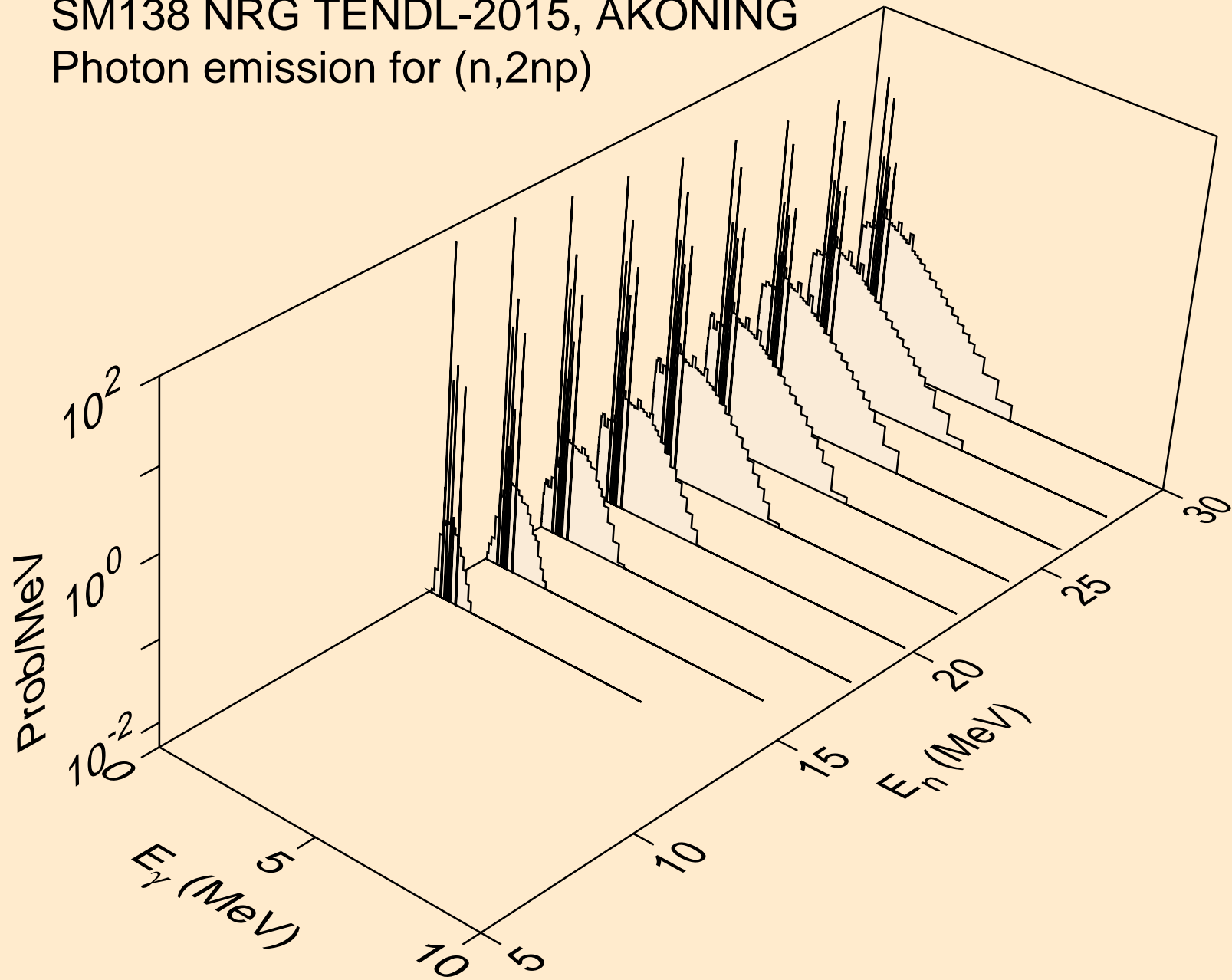
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



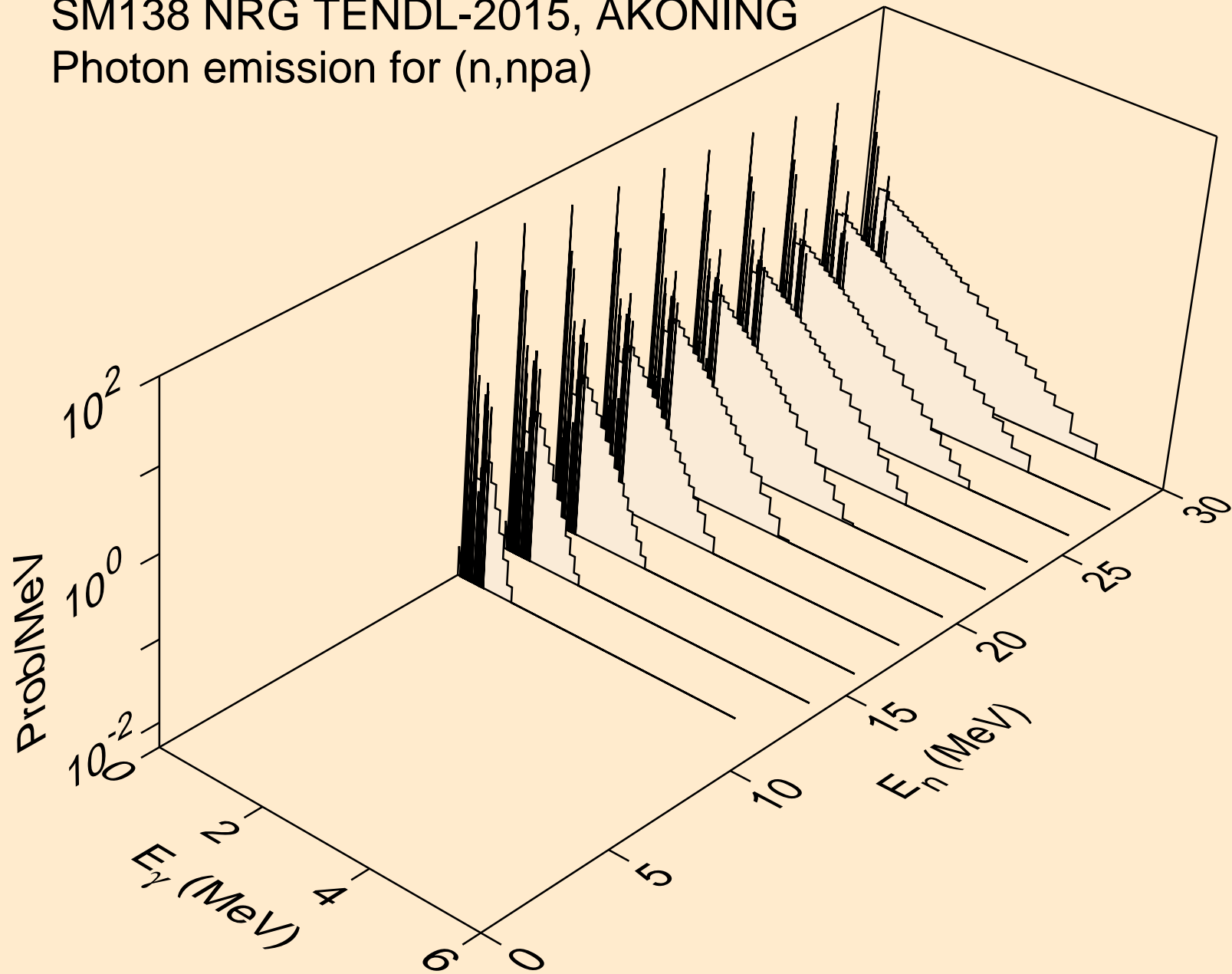
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



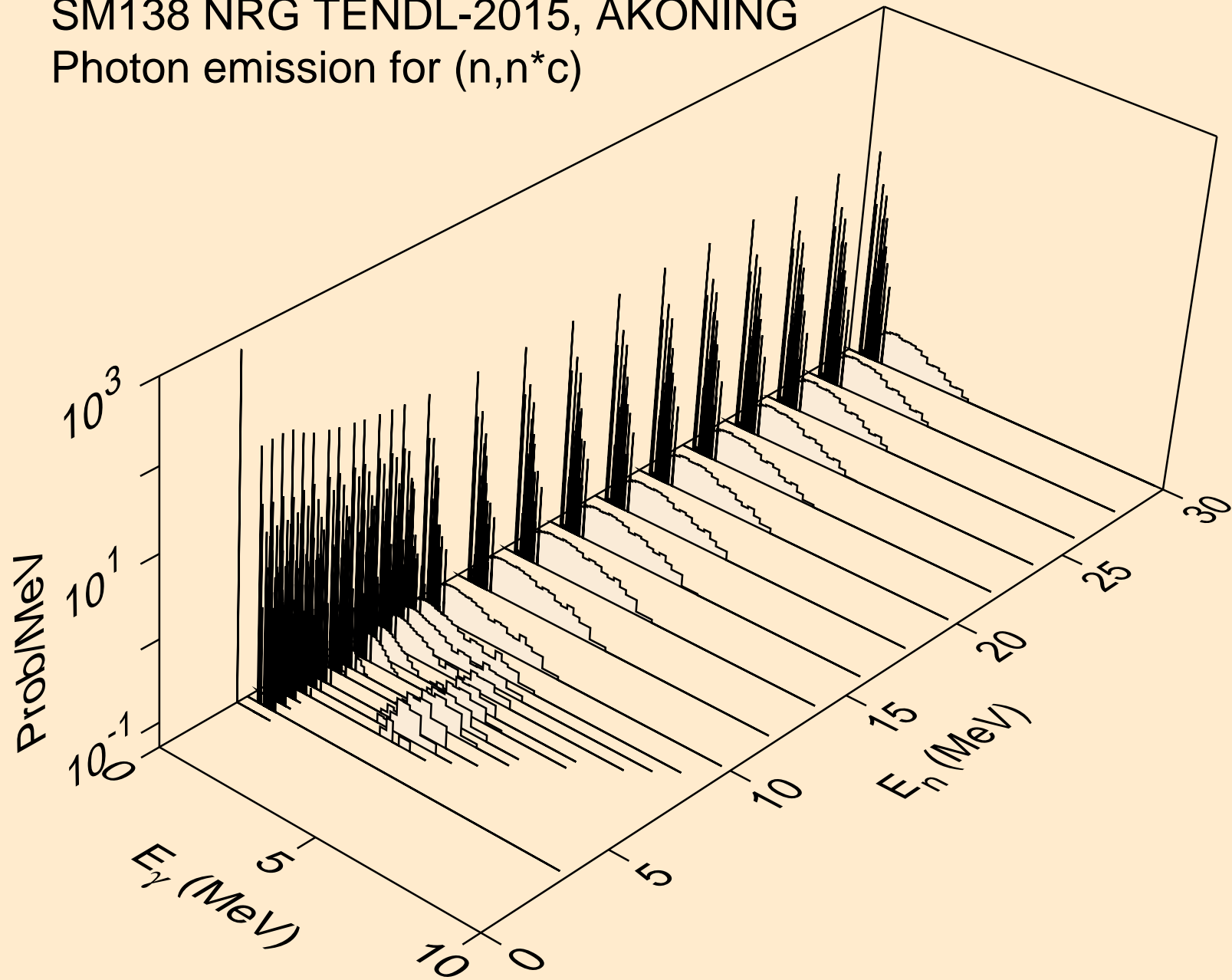
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



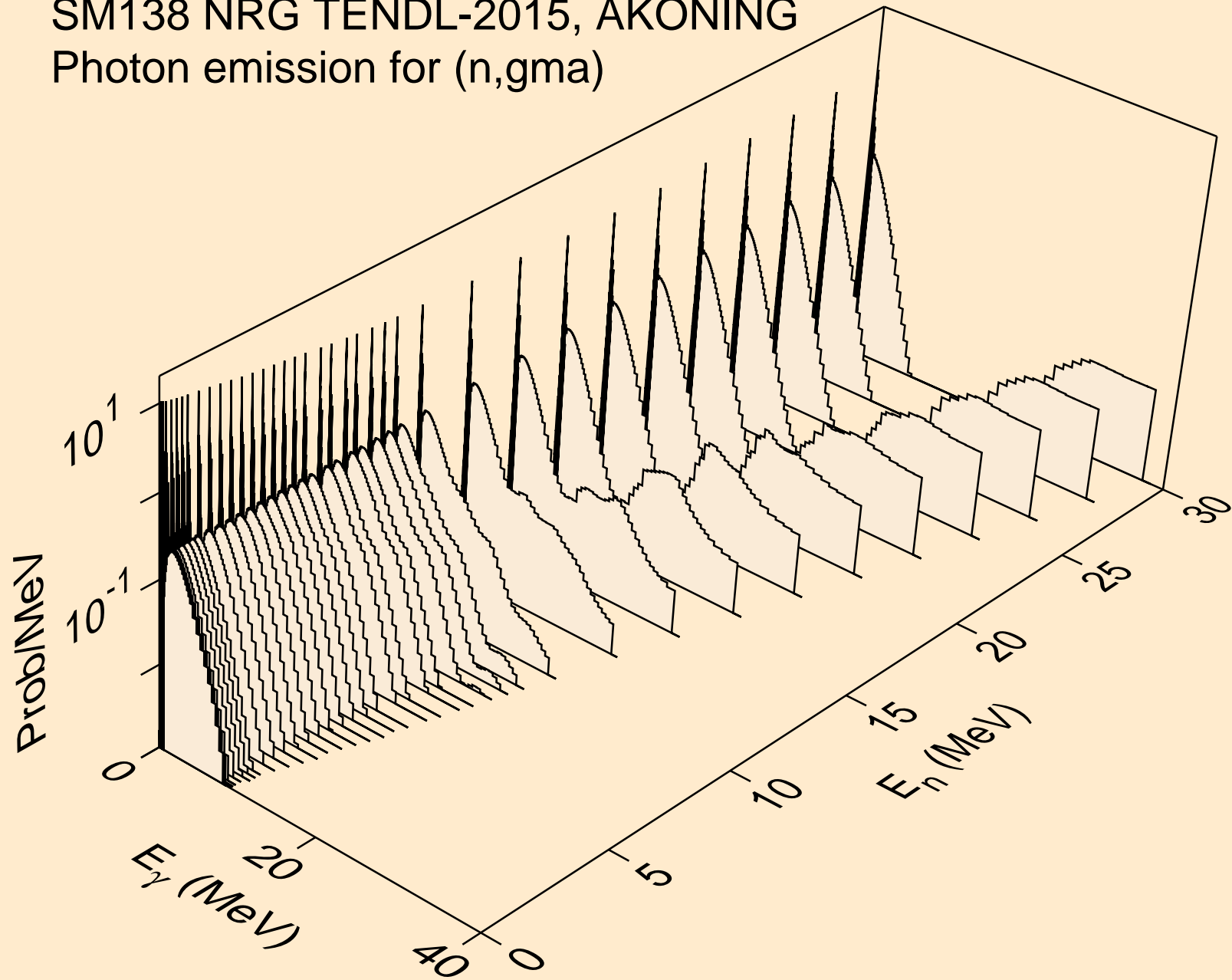
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



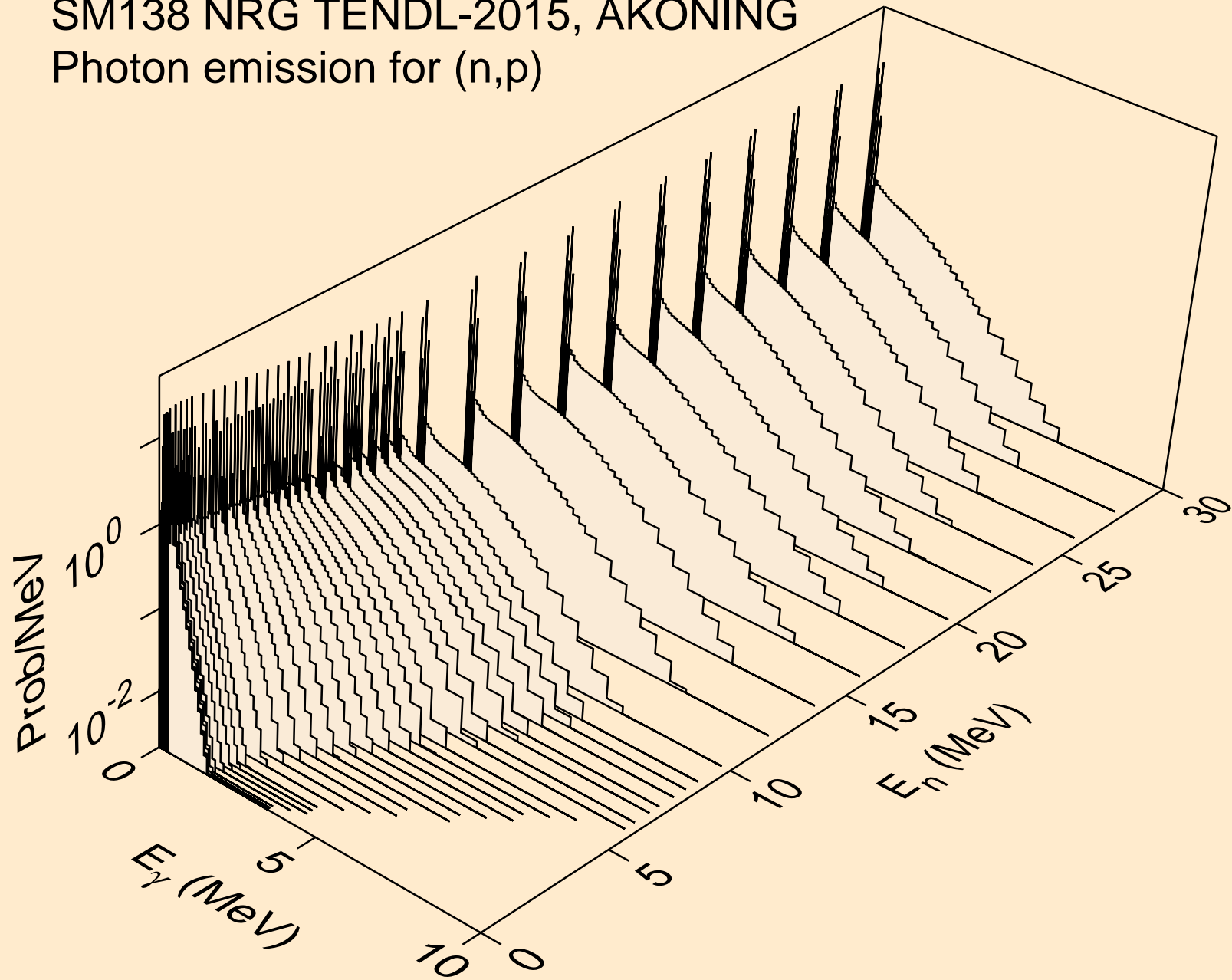
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

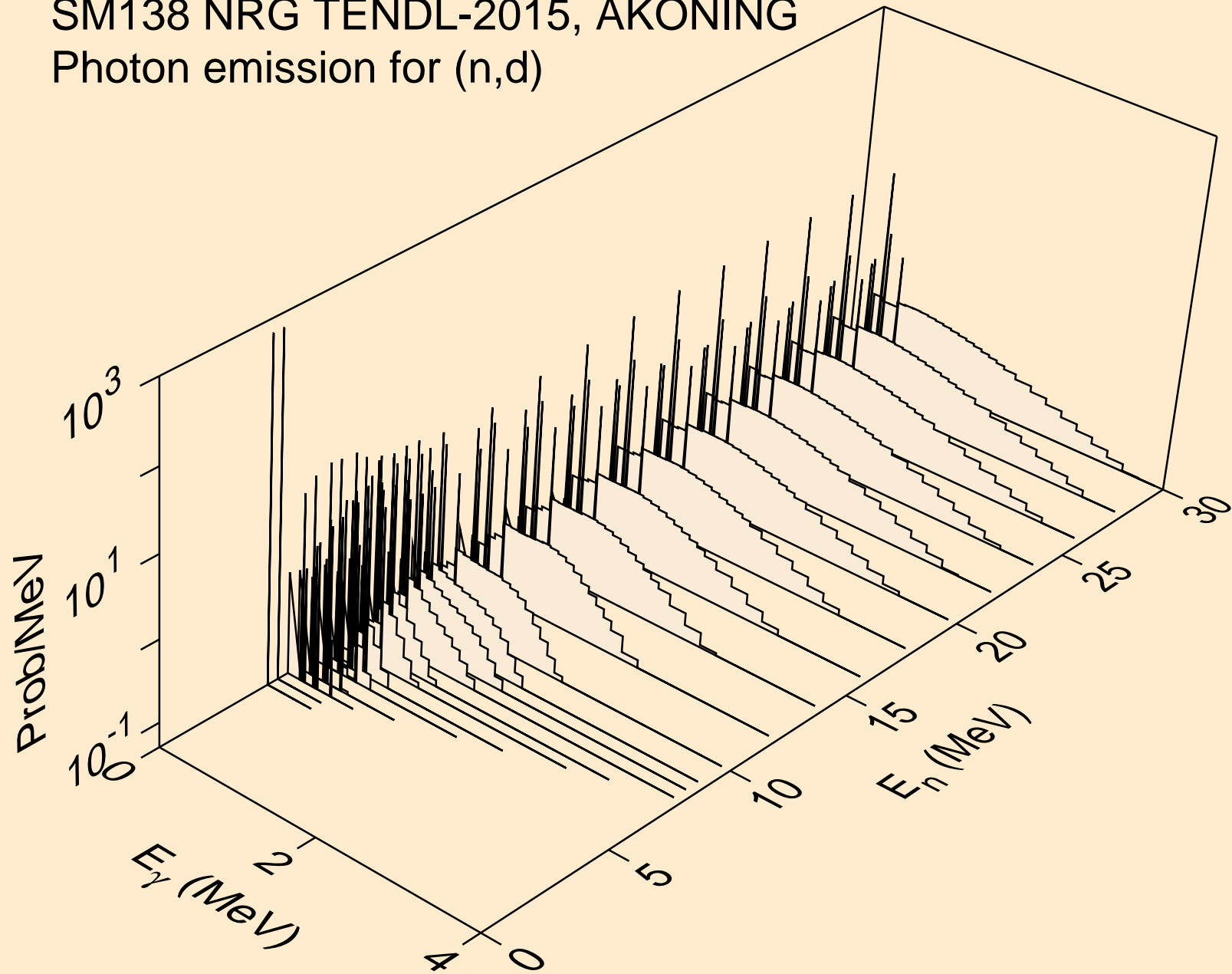


SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

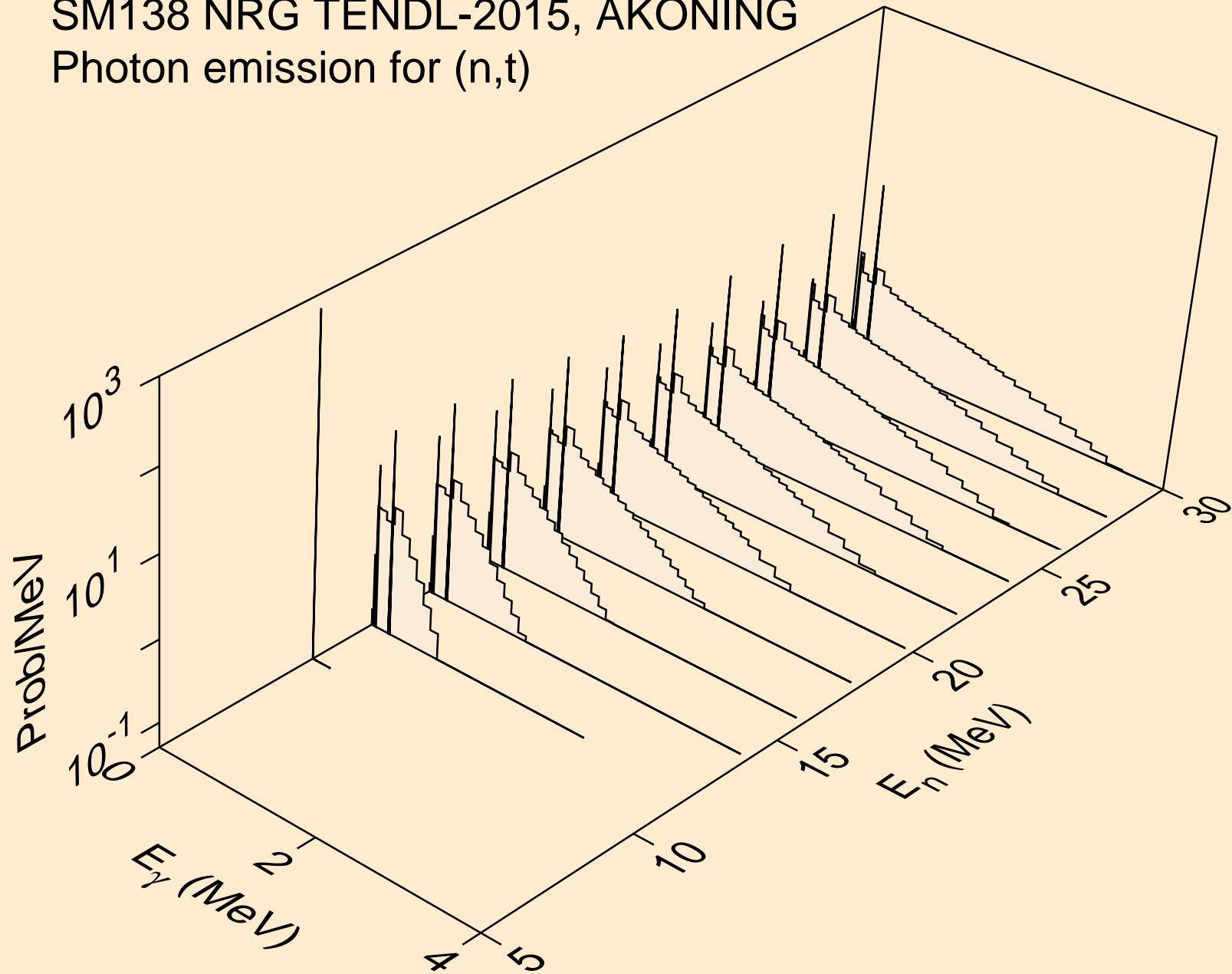




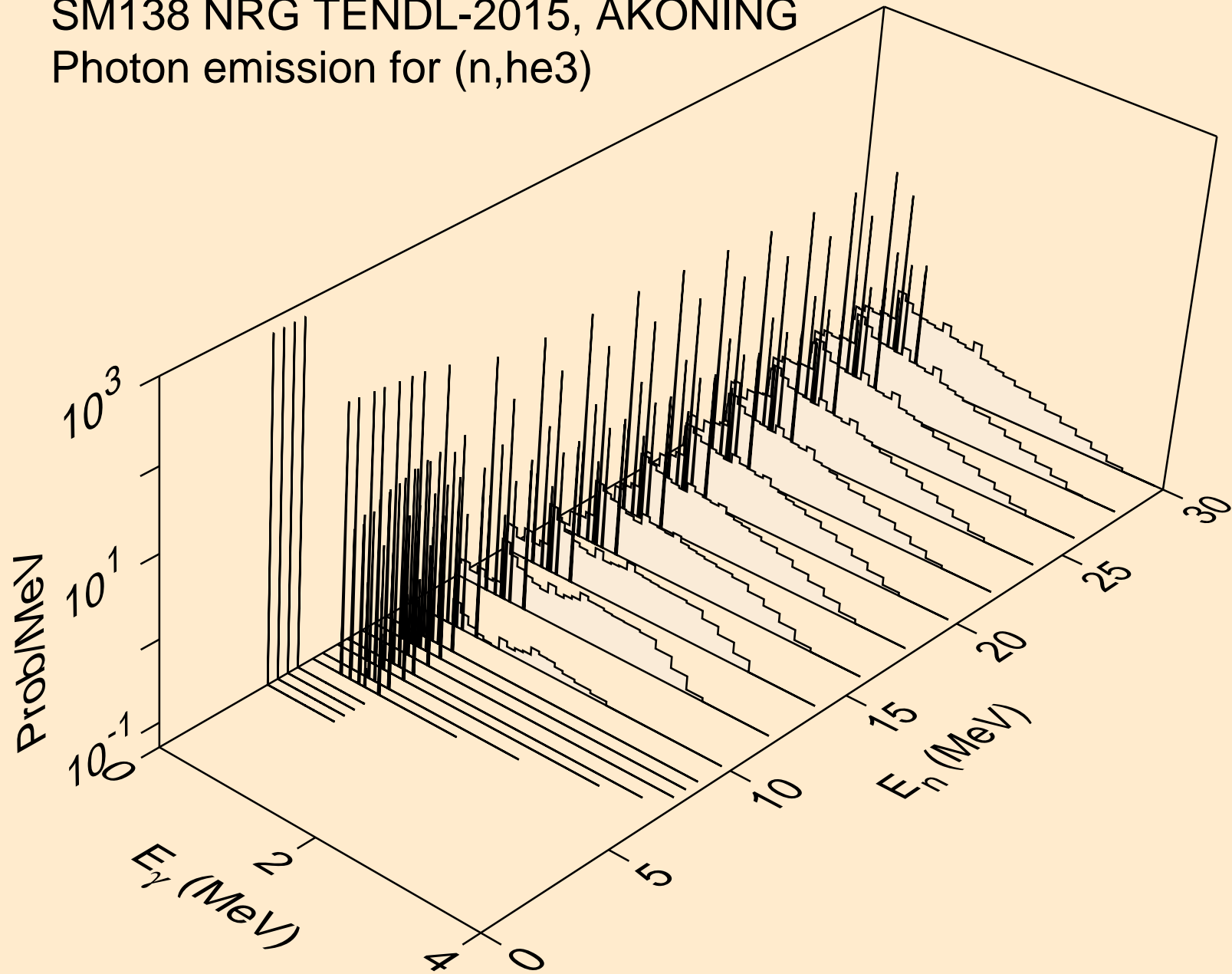
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



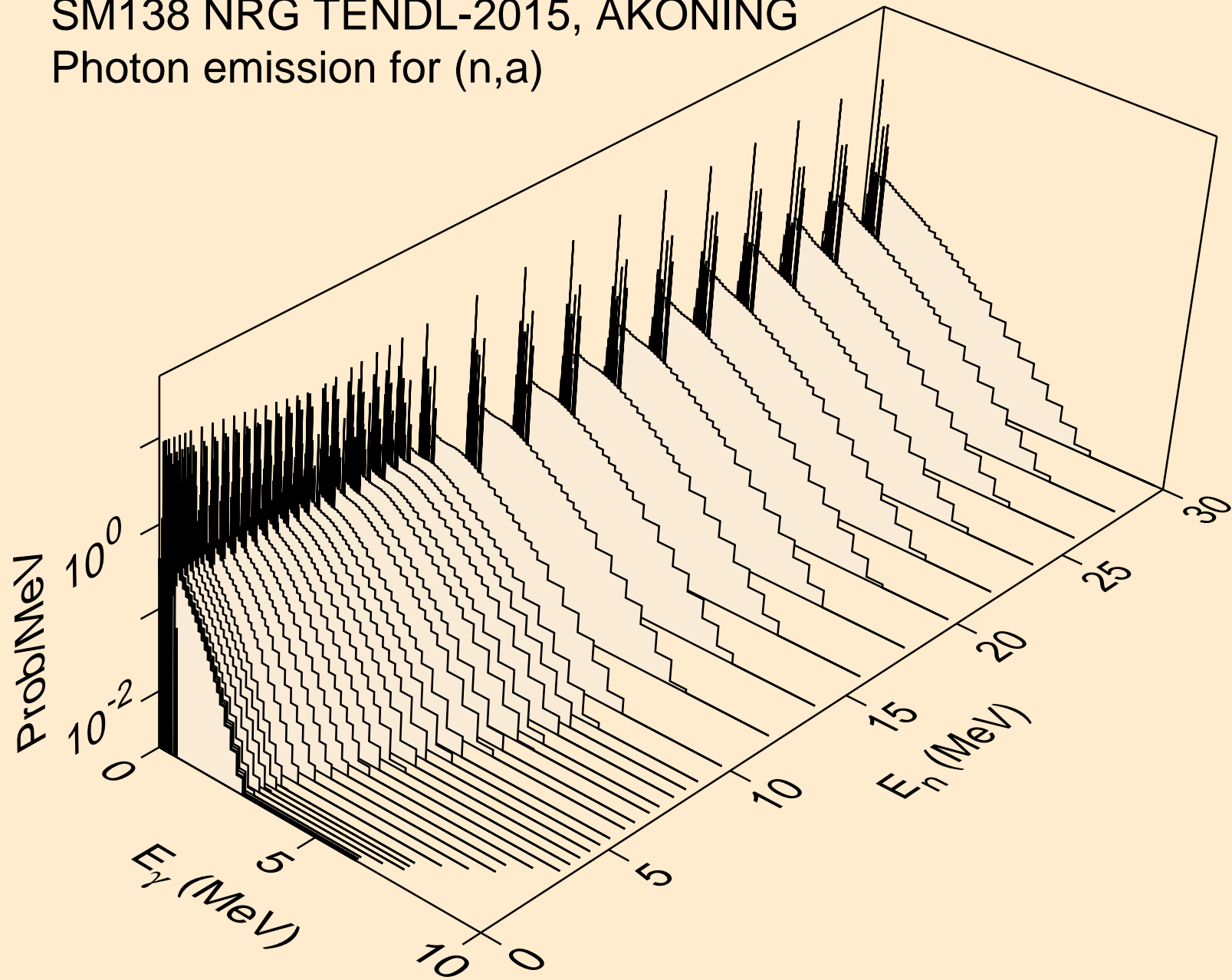
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



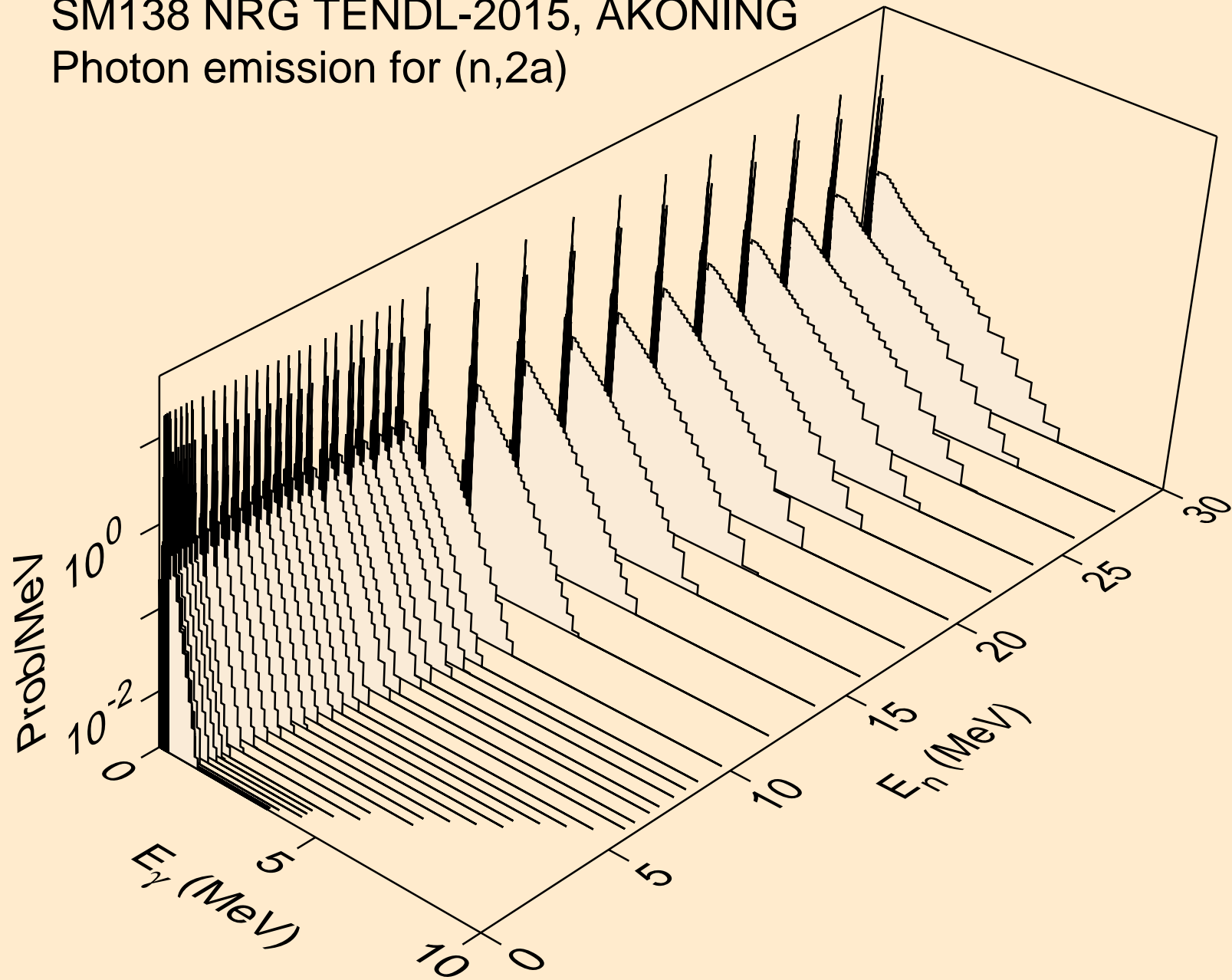
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



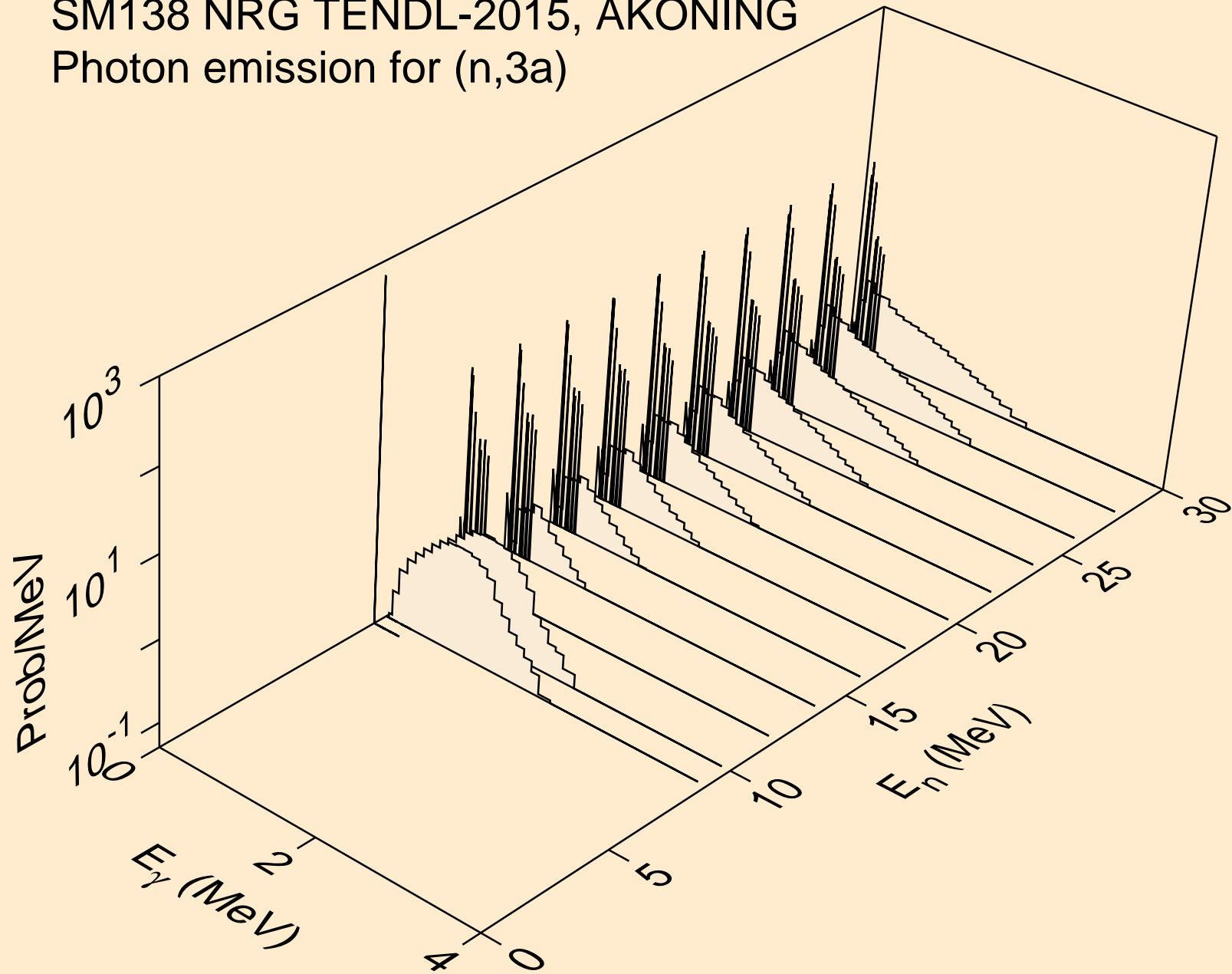
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



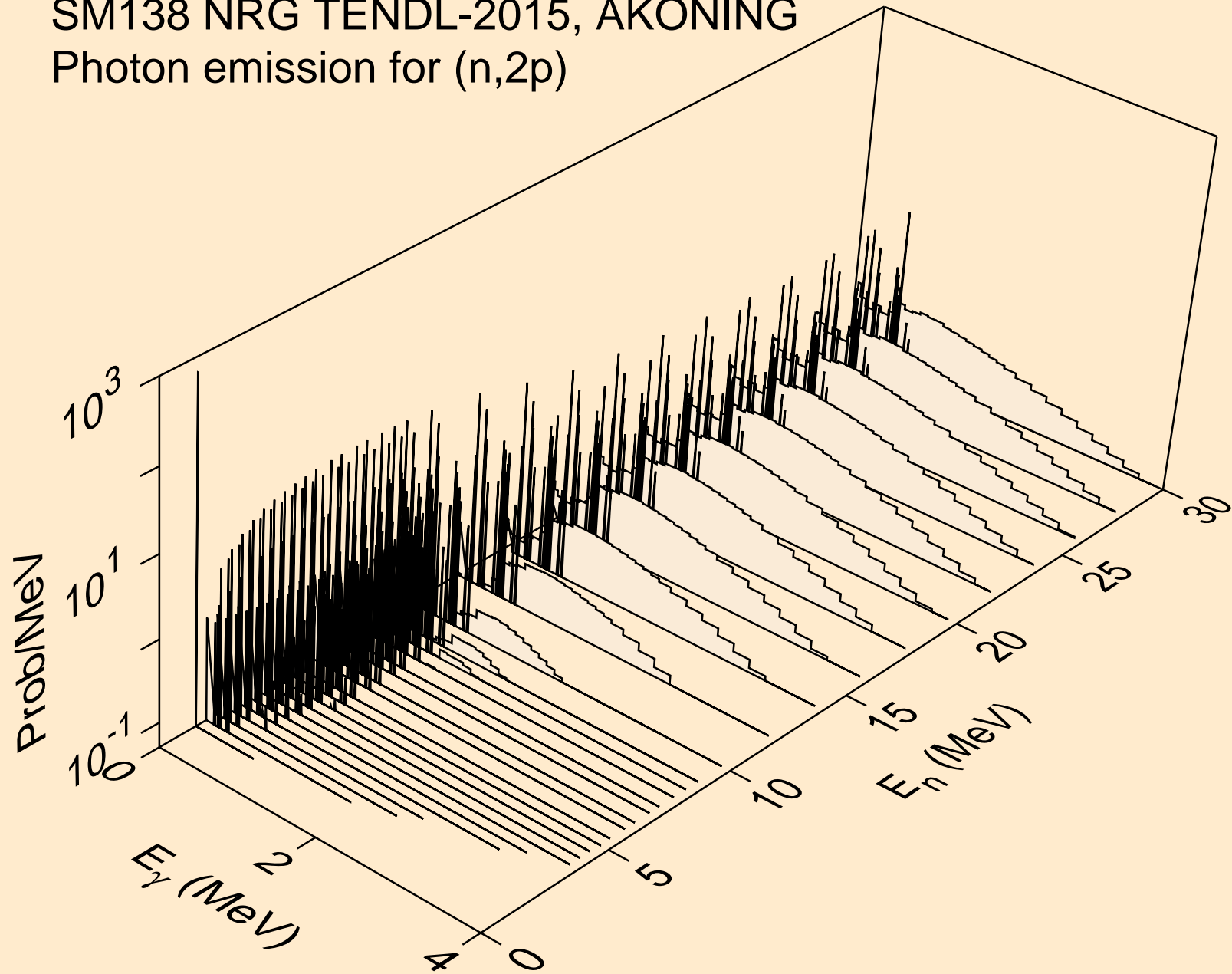
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



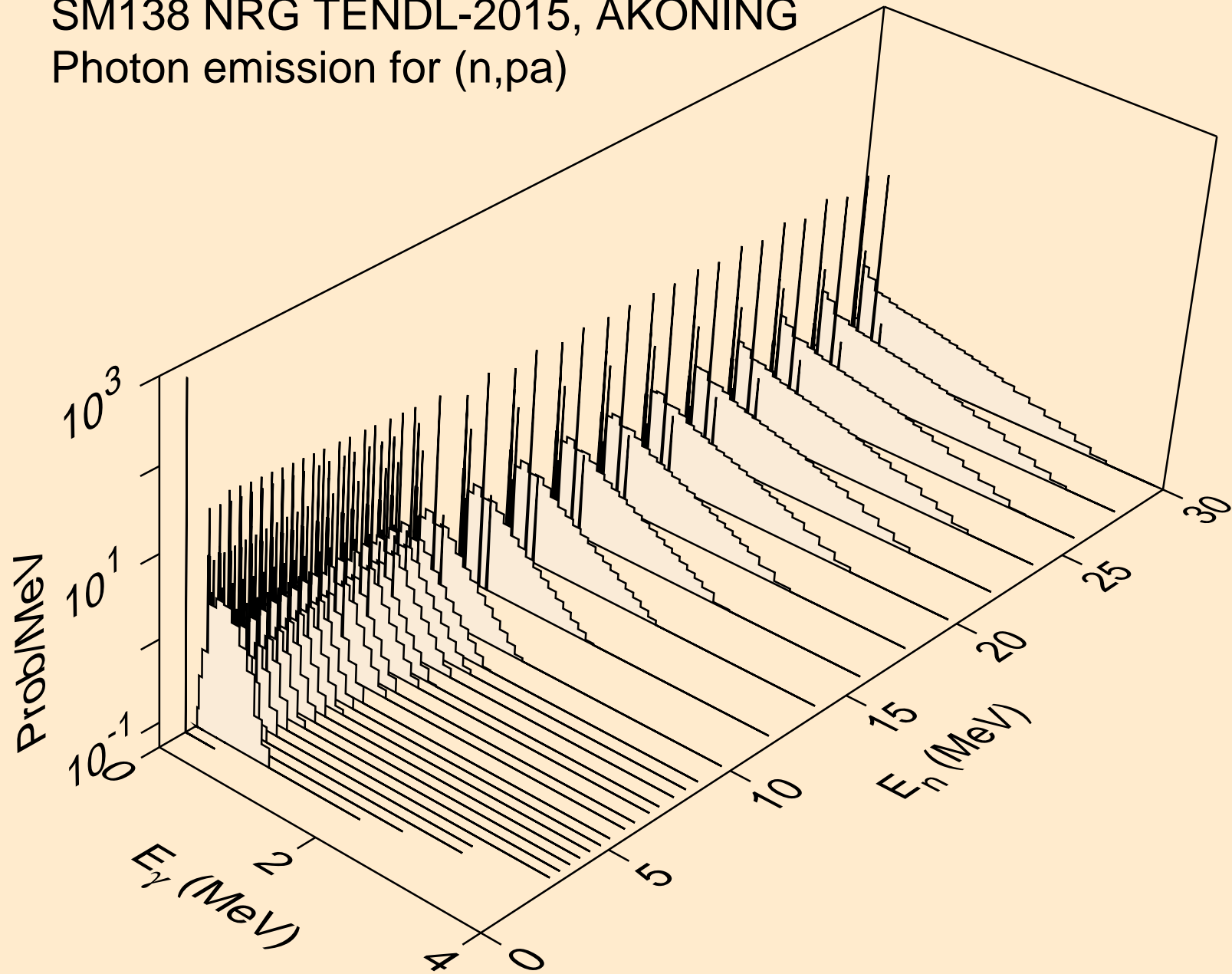
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

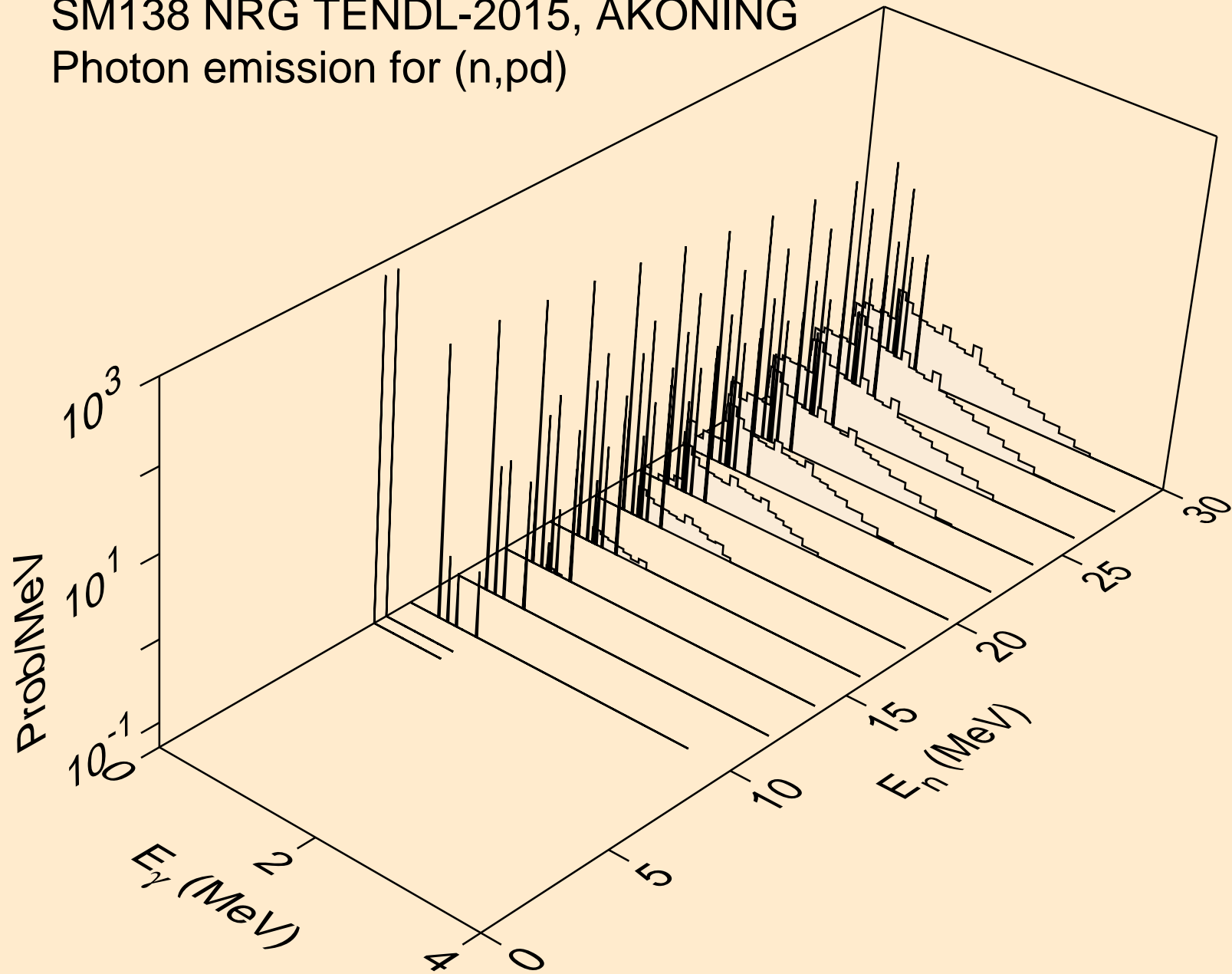


SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

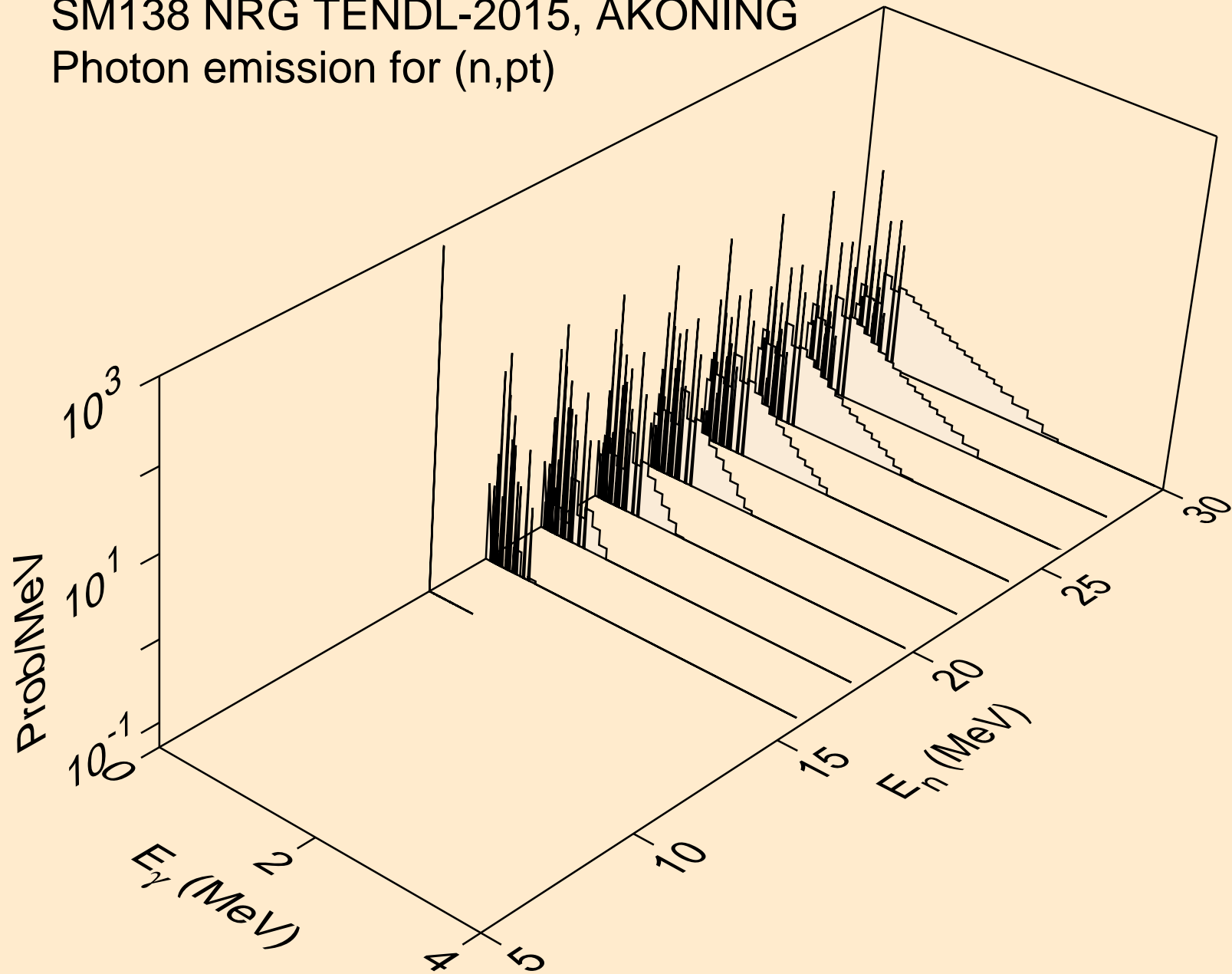




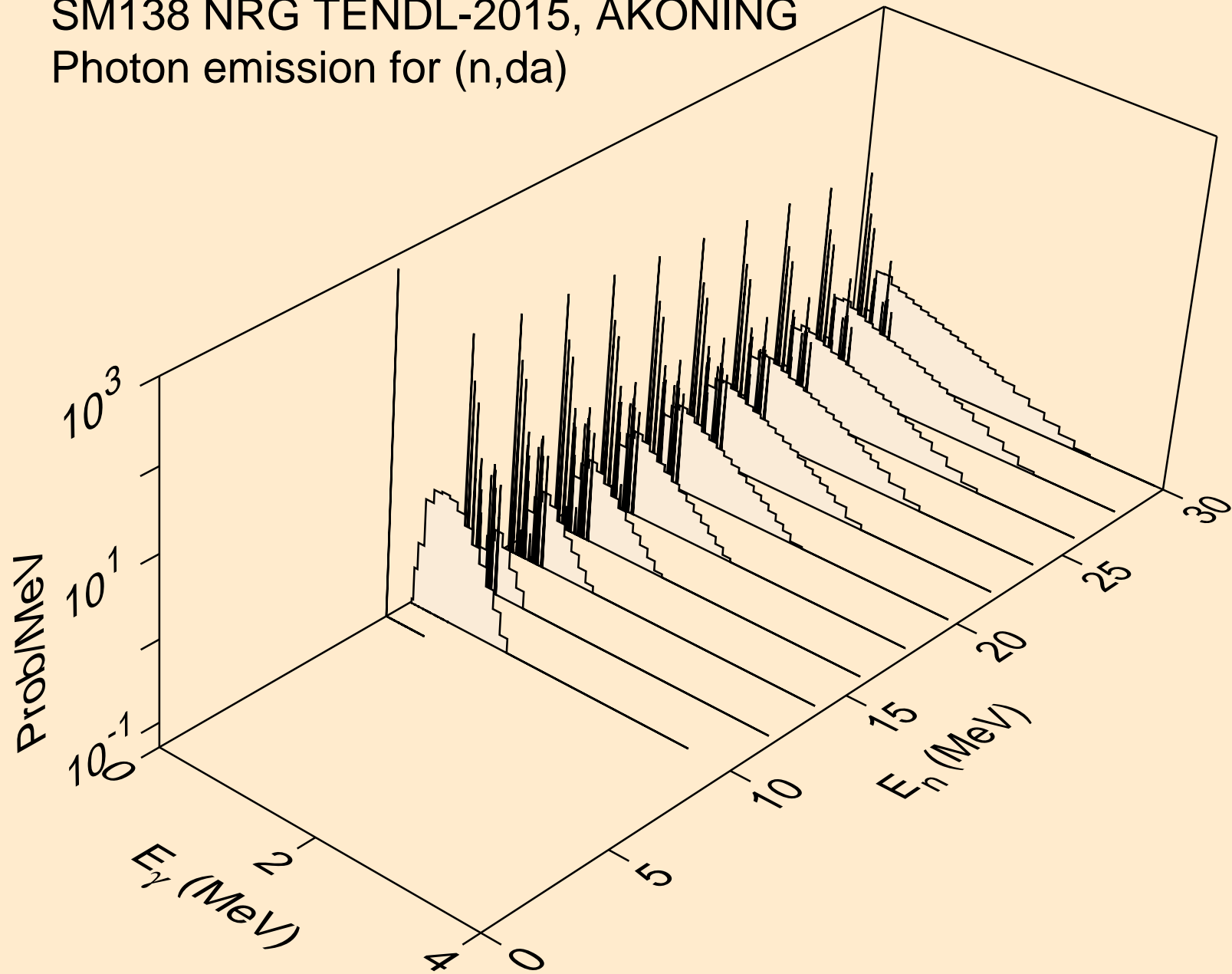
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



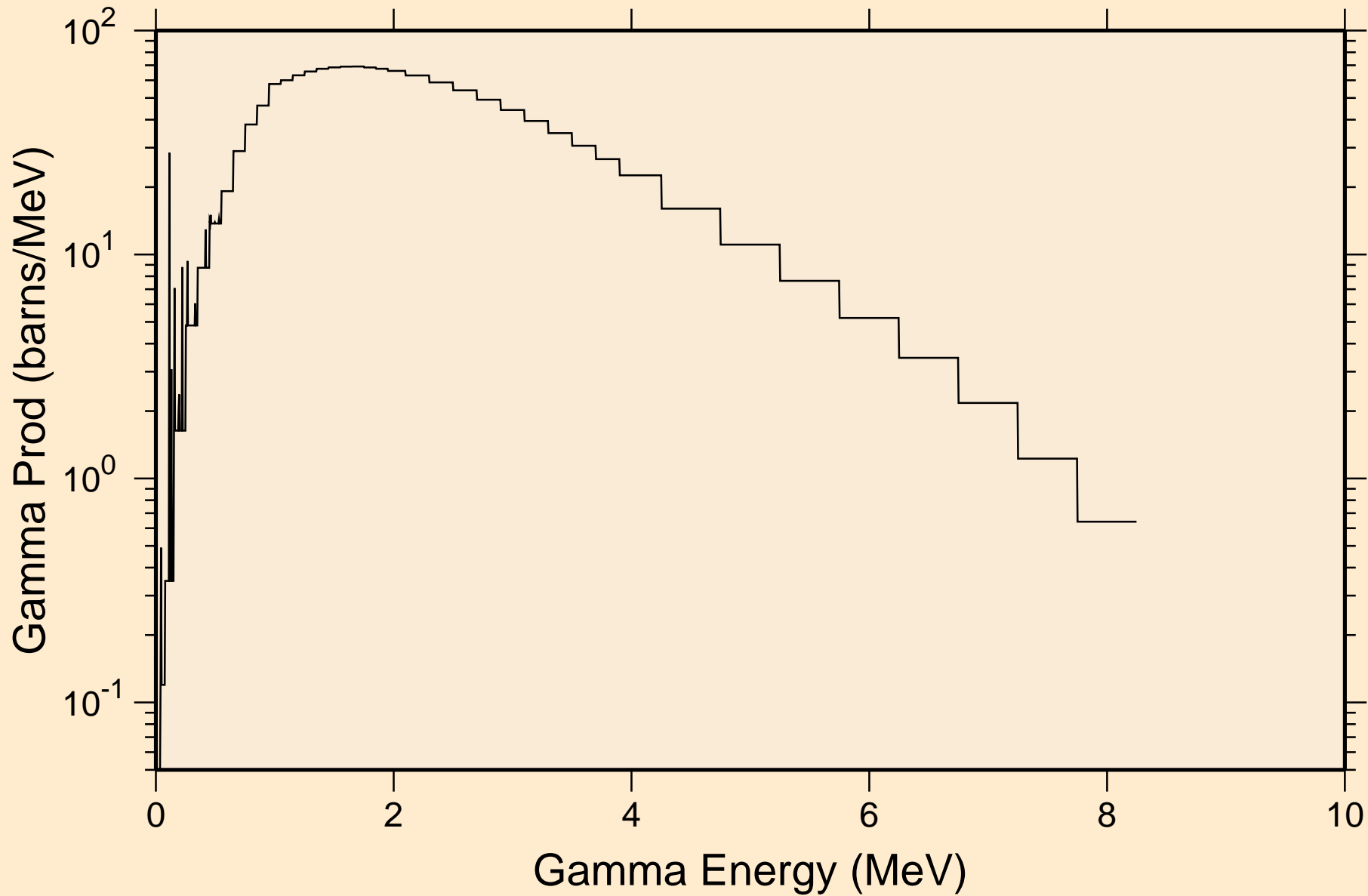
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



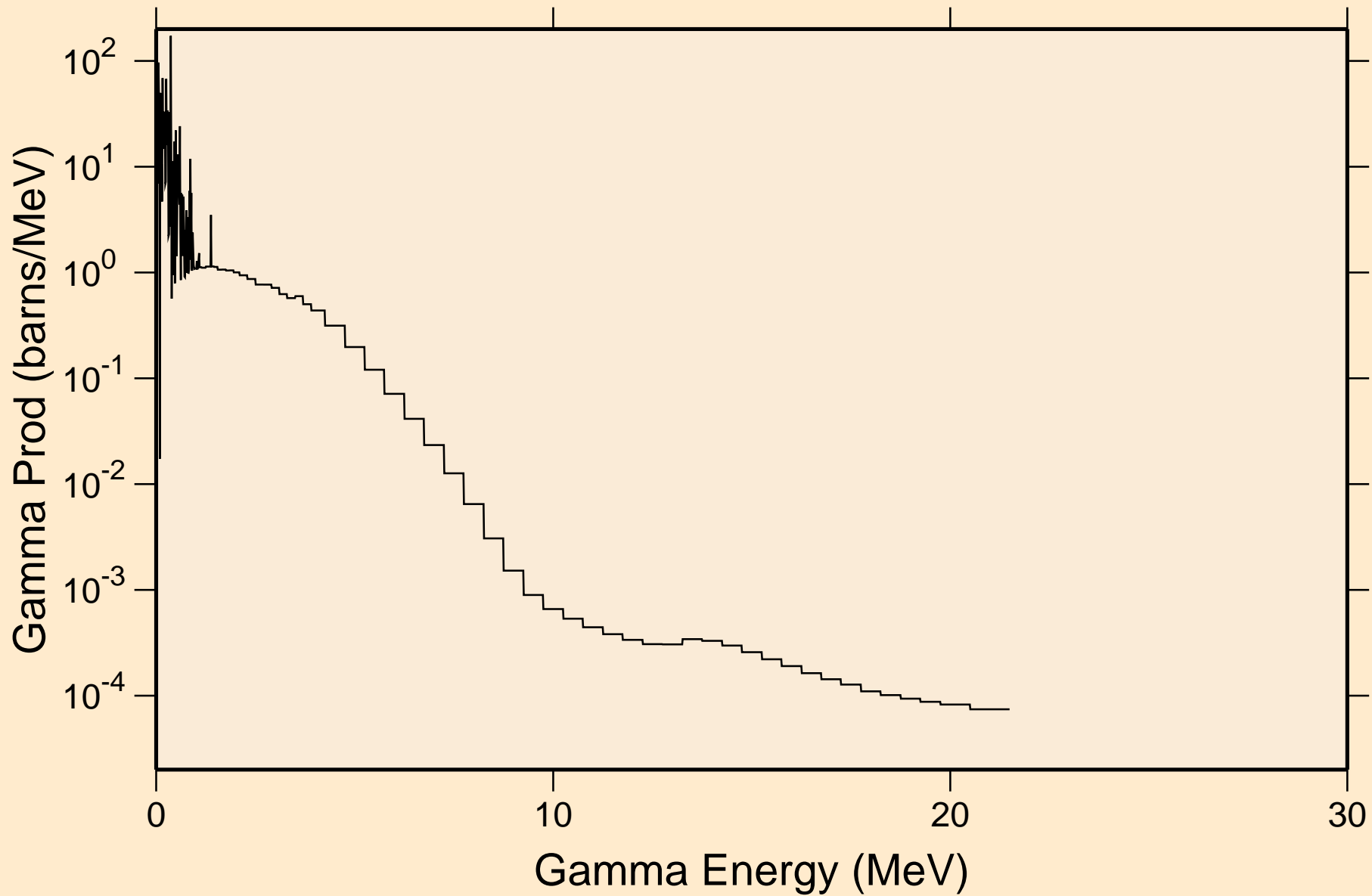
SM138 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



SM138 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

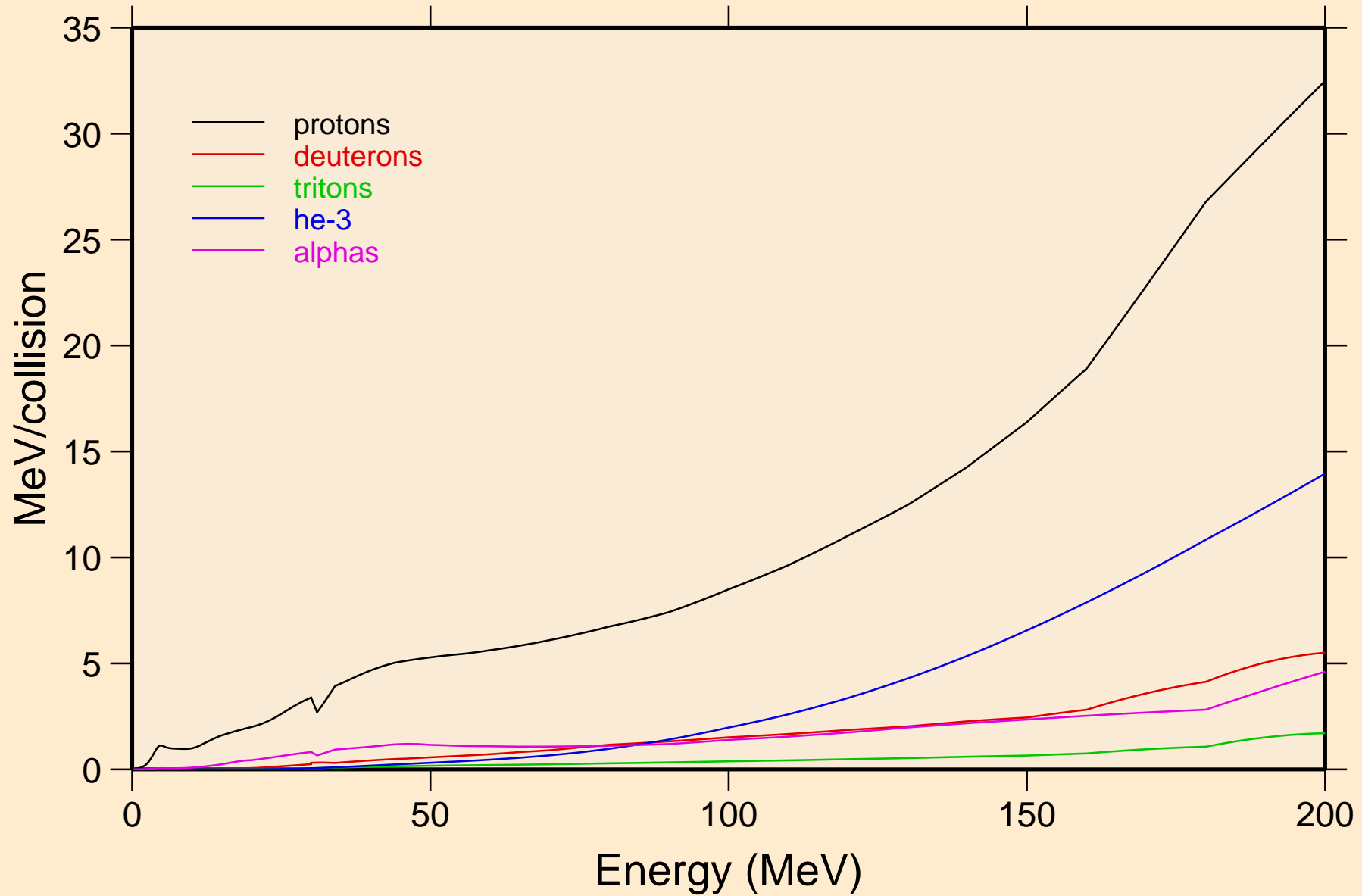


SM138 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



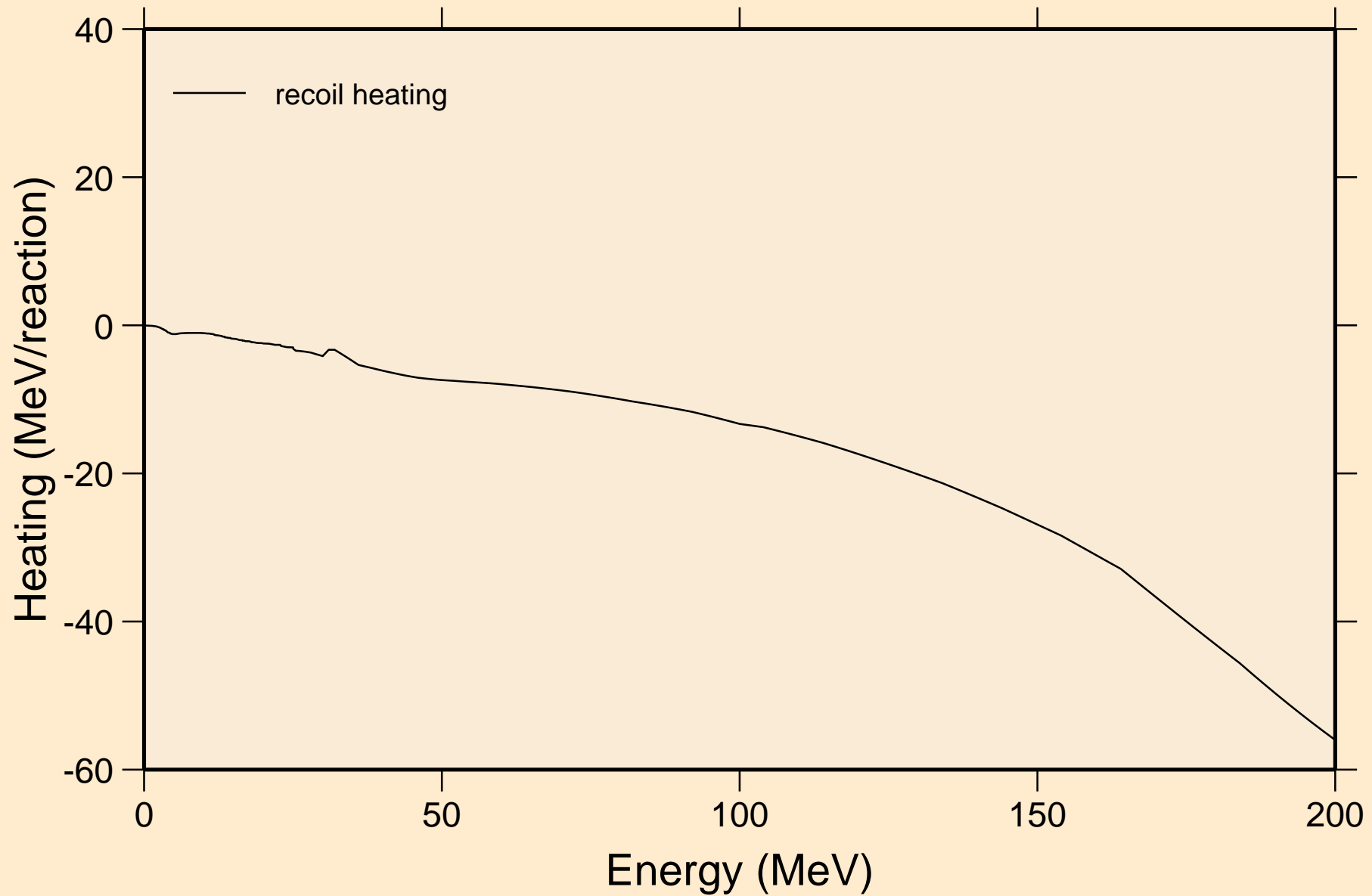
# SM138 NRG TENDL-2015, AKONING

## Particle heating contributions



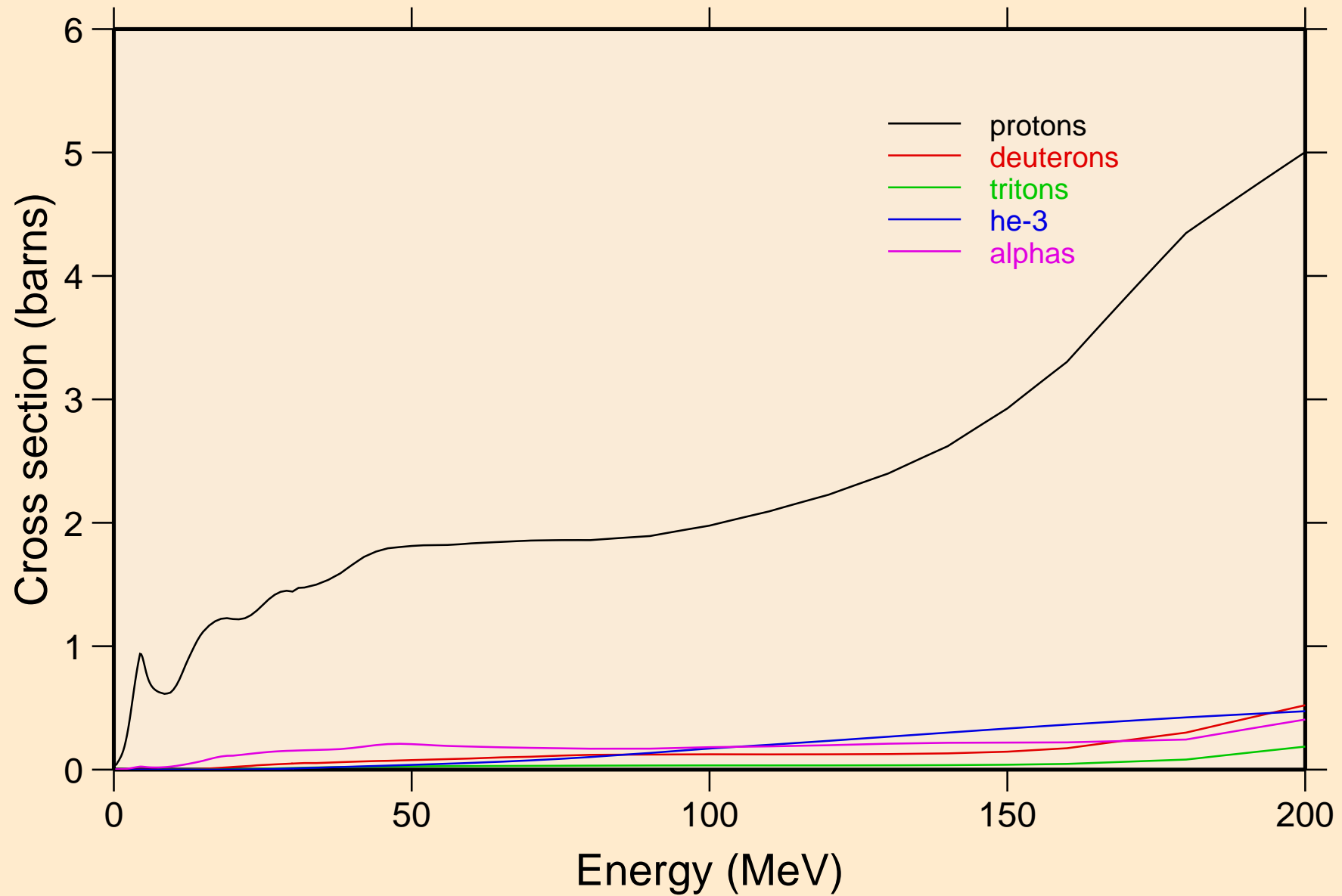
# SM138 NRG TENDL-2015, AKONING

## Recoil Heating



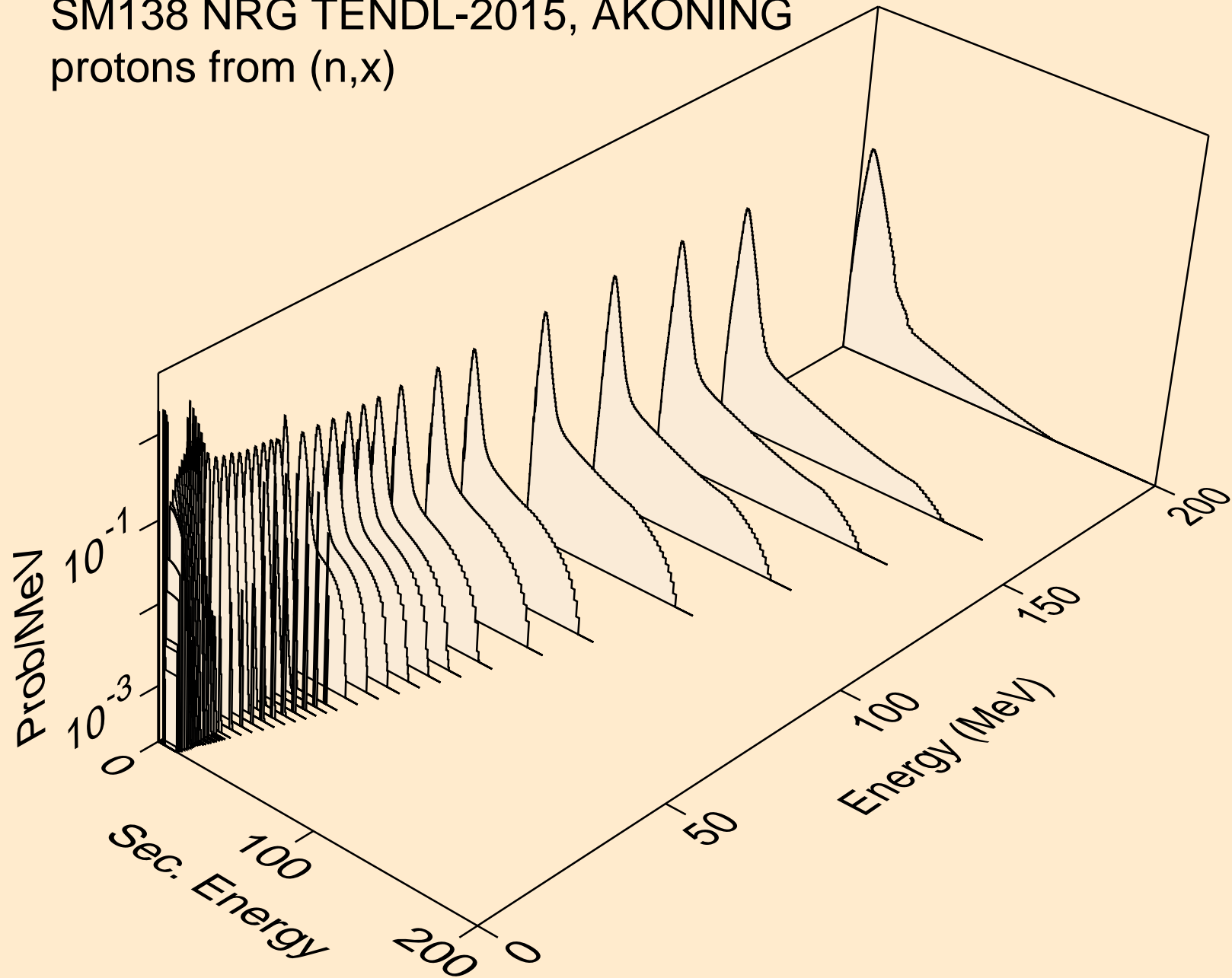
# SM138 NRG TENDL-2015, AKONING

## Particle production cross sections

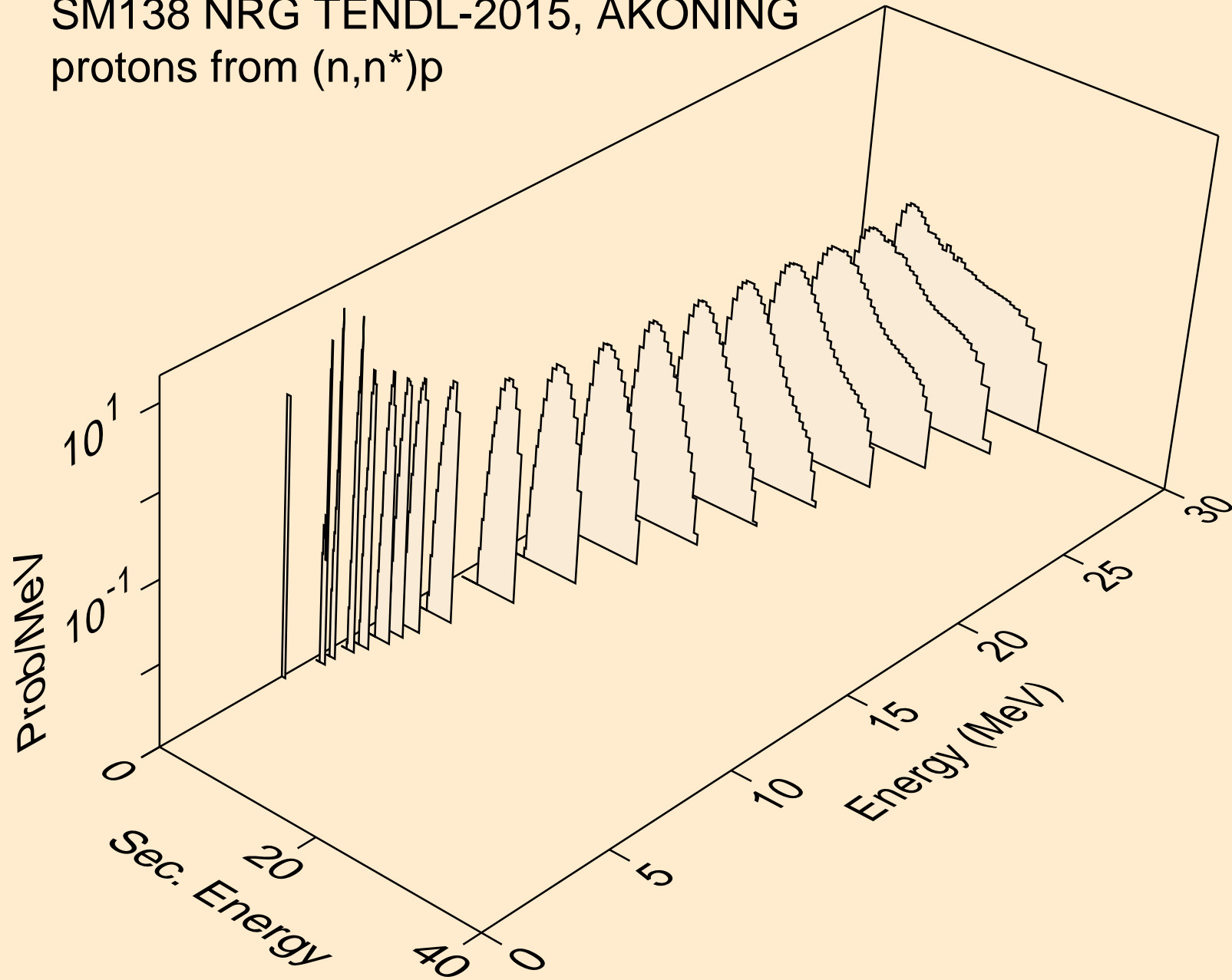




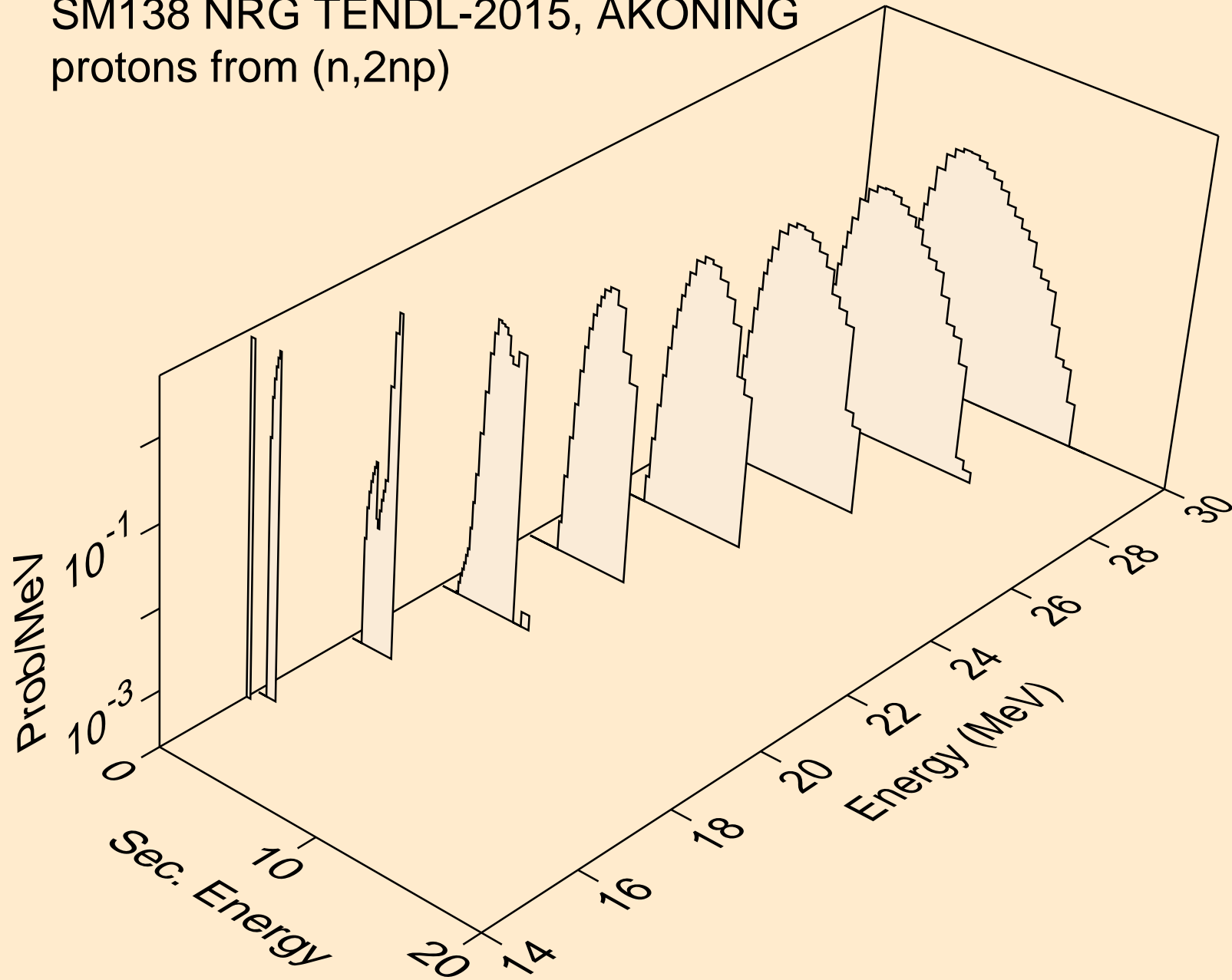
SM138 NRG TENDL-2015, AKONING  
protons from (n,x)



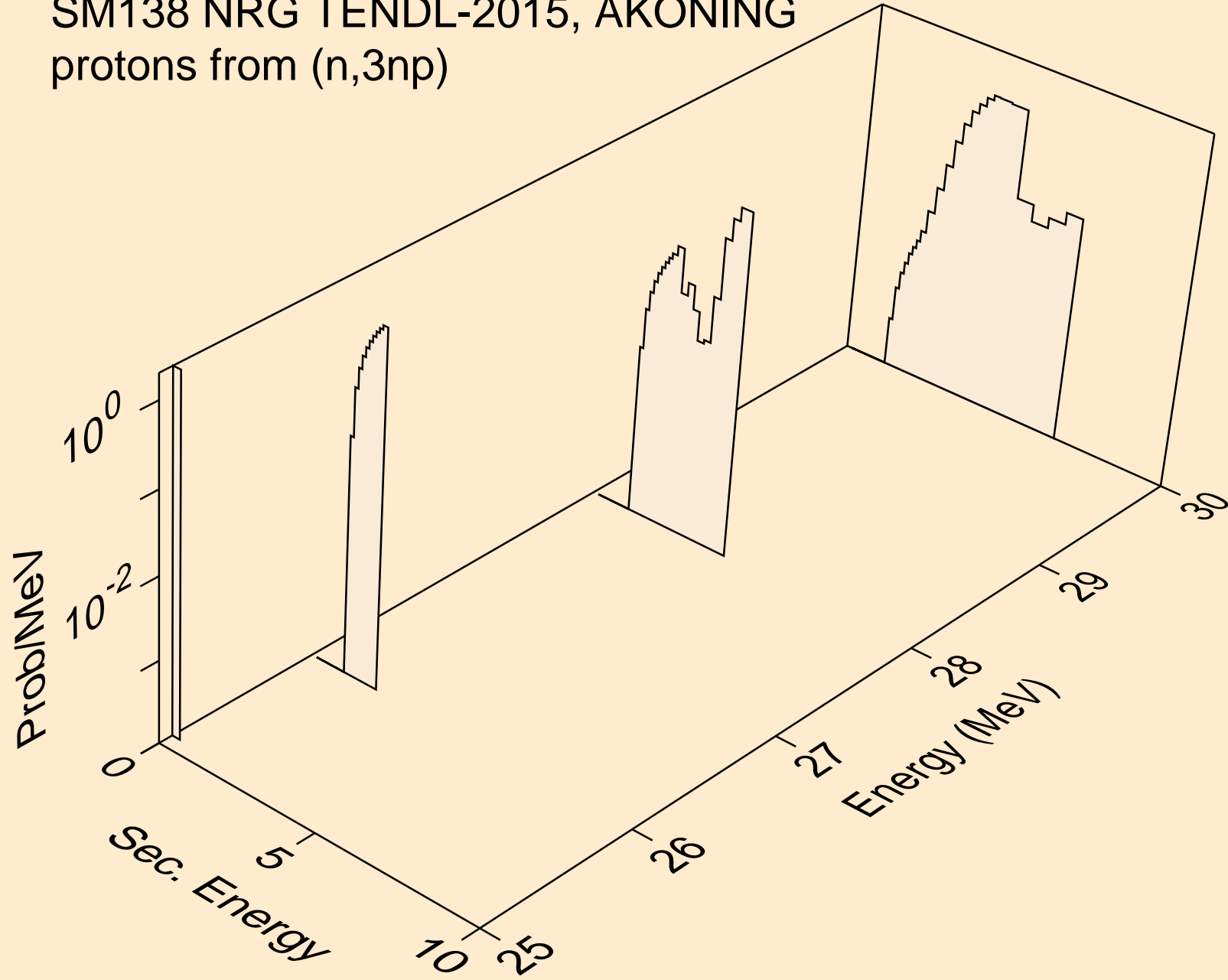
SM138 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



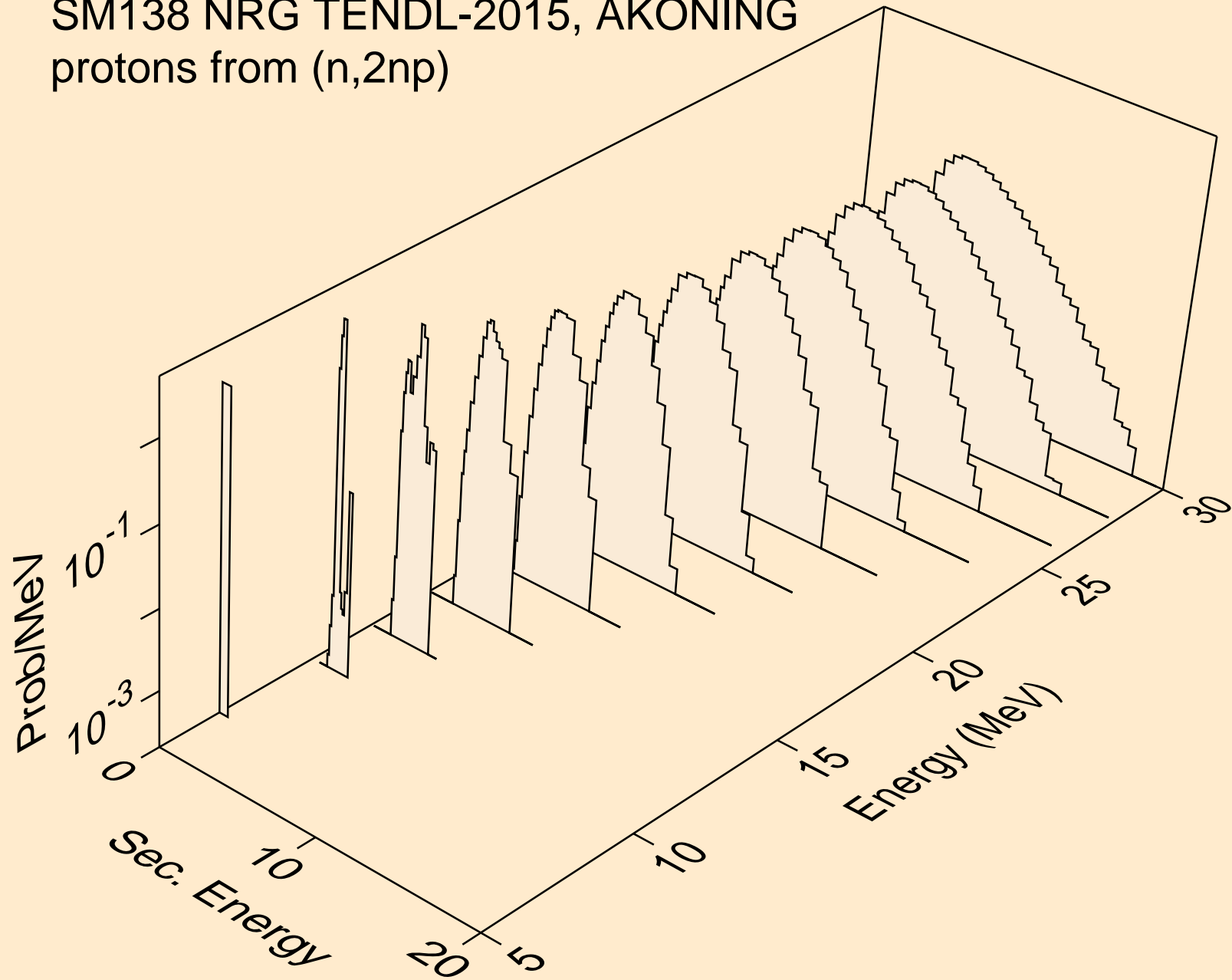
SM138 NRG TENDL-2015, AKONING  
protons from (n,2np)



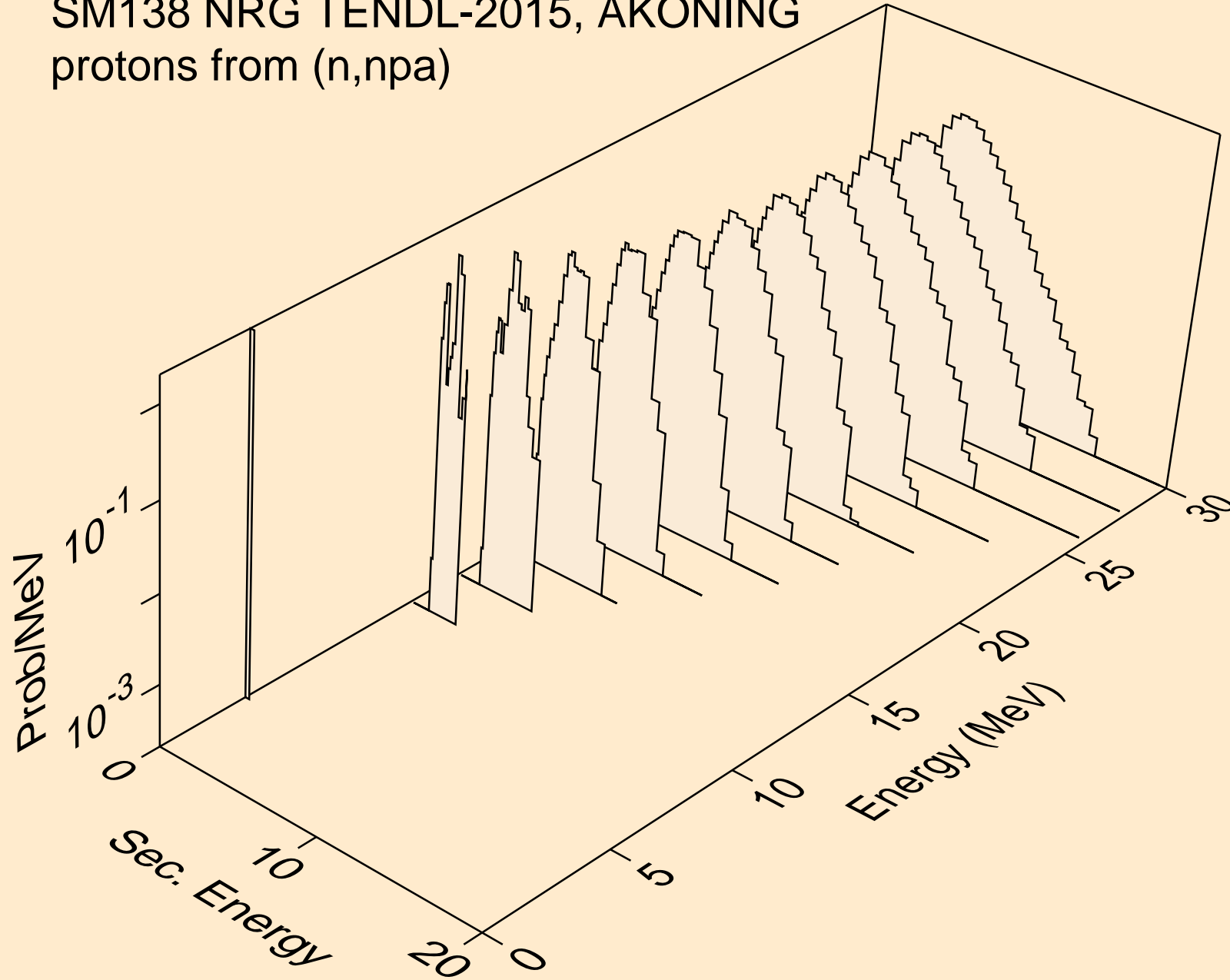
SM138 NRG TENDL-2015, AKONING  
protons from (n,3np)



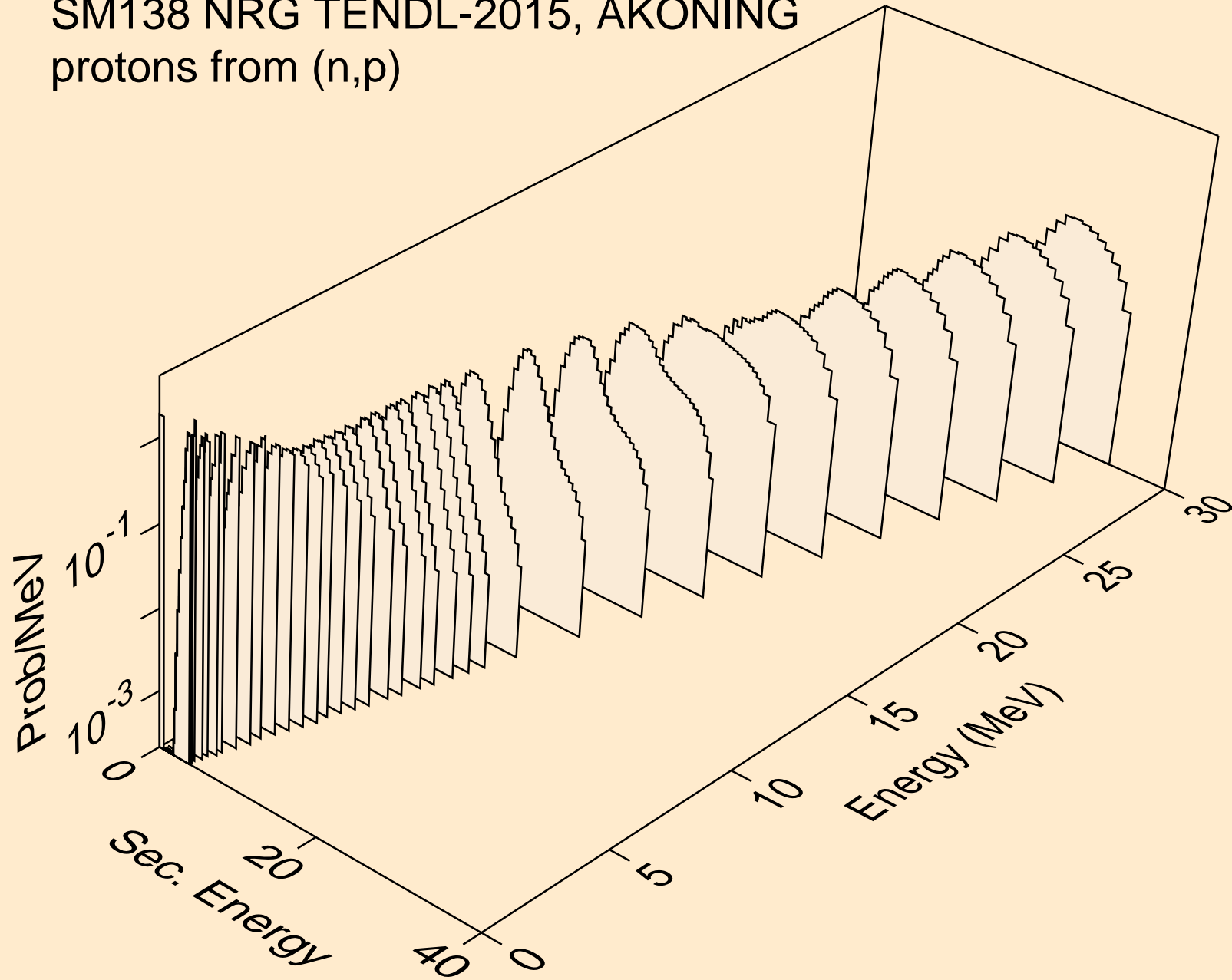
SM138 NRG TENDL-2015, AKONING  
protons from (n,2np)



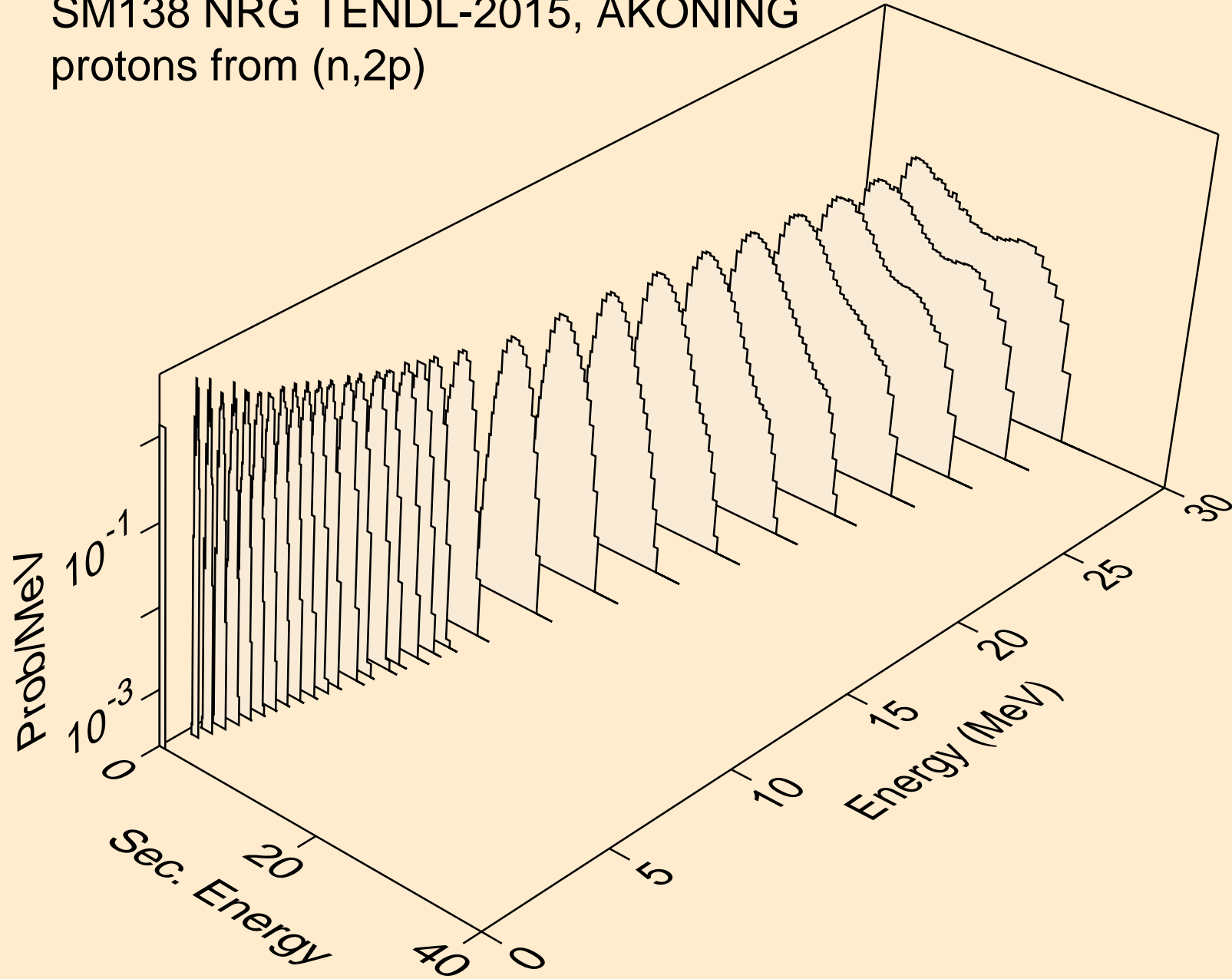
SM138 NRG TENDL-2015, AKONING  
protons from (n,npa)



SM138 NRG TENDL-2015, AKONING  
protons from (n,p)

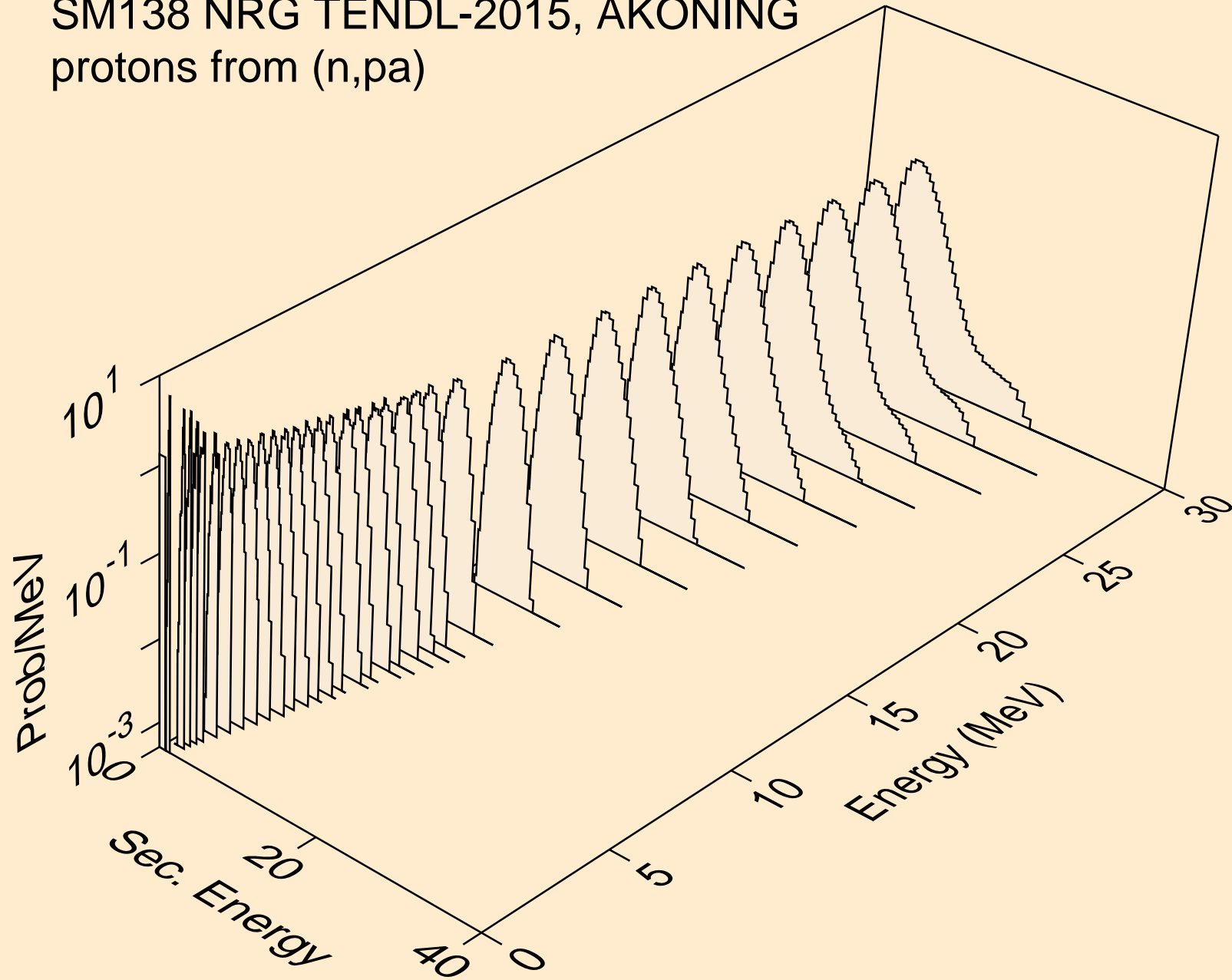


SM138 NRG TENDL-2015, AKONING  
protons from (n,2p)

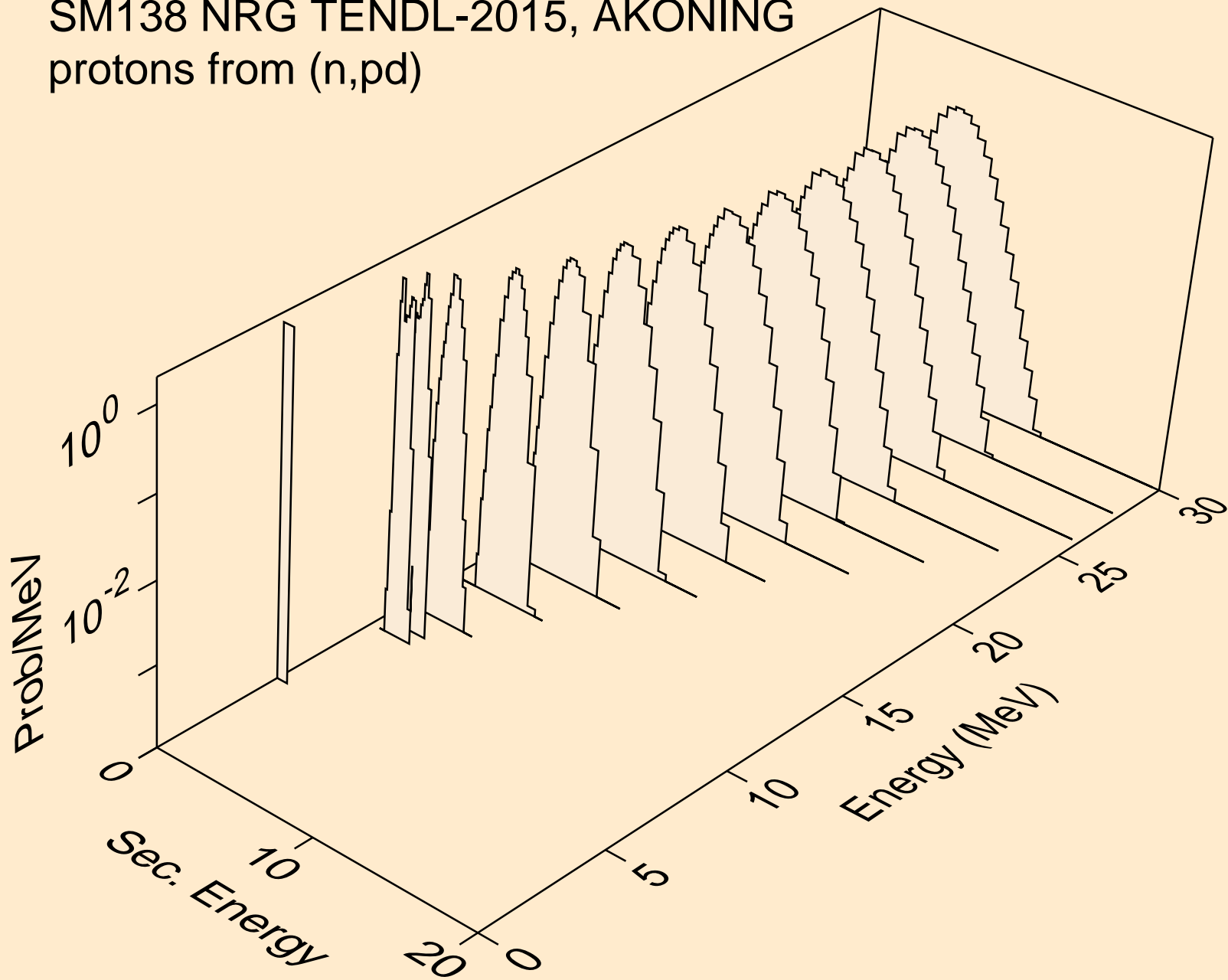




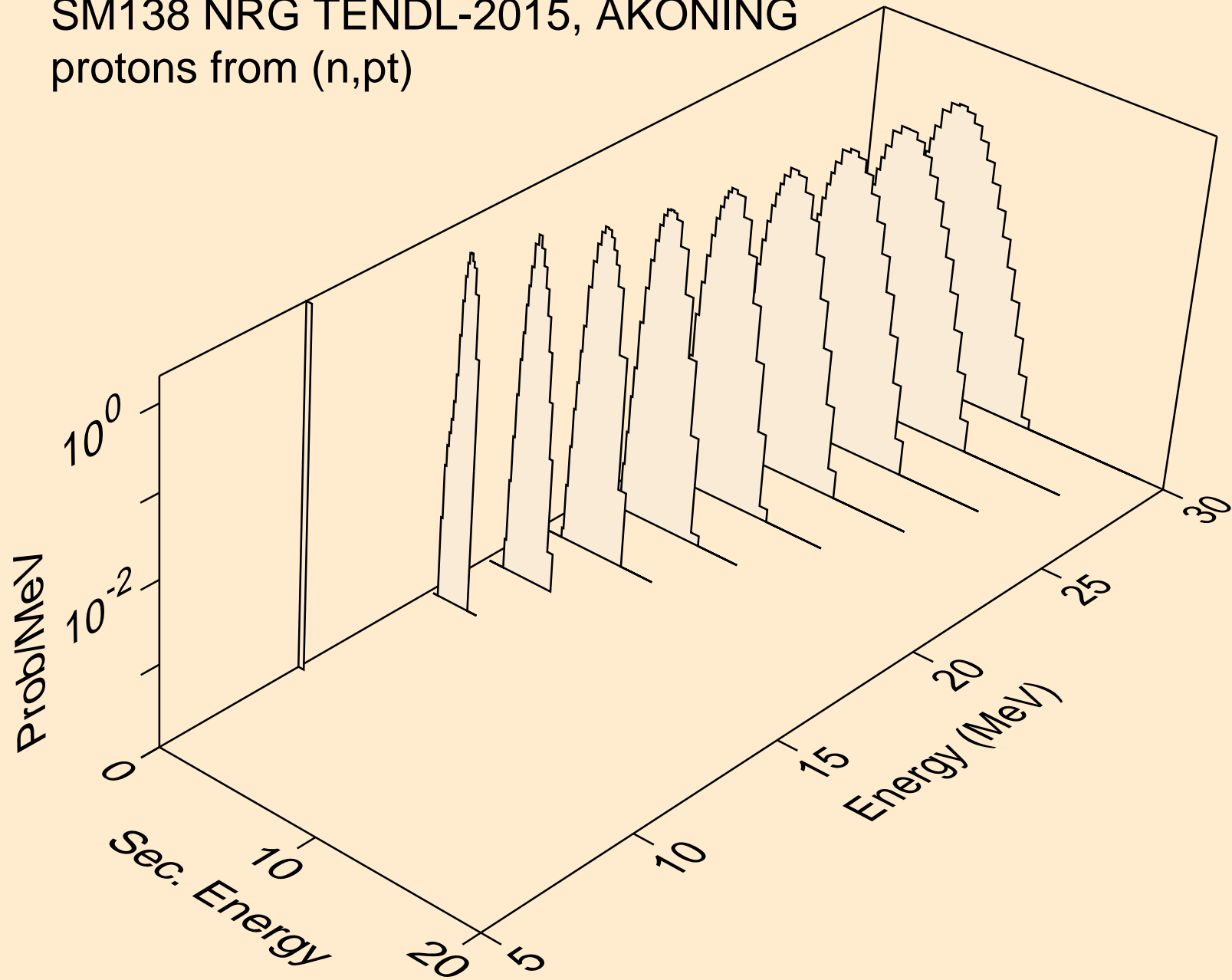
SM138 NRG TENDL-2015, AKONING  
protons from (n,pa)



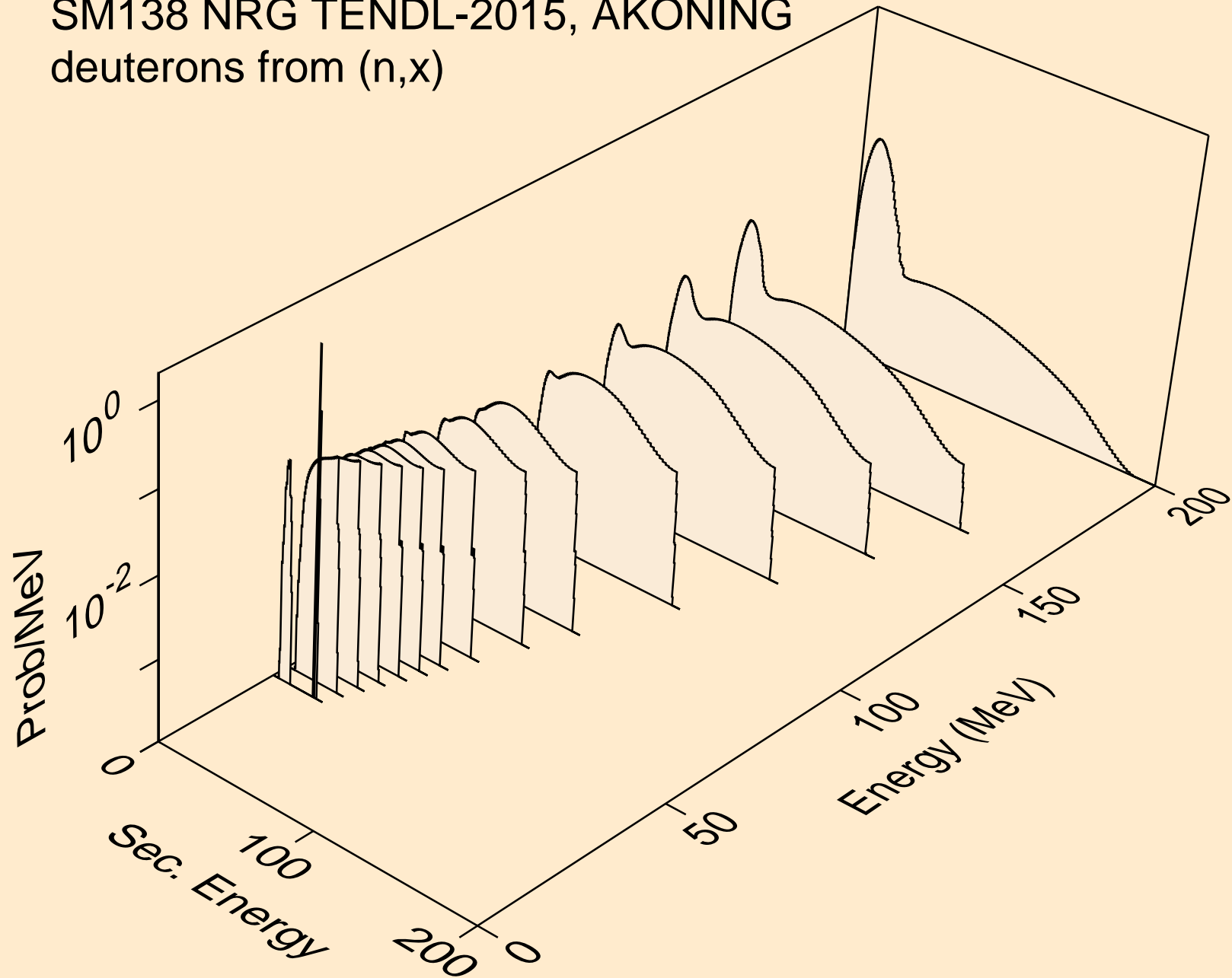
SM138 NRG TENDL-2015, AKONING  
protons from (n,pd)



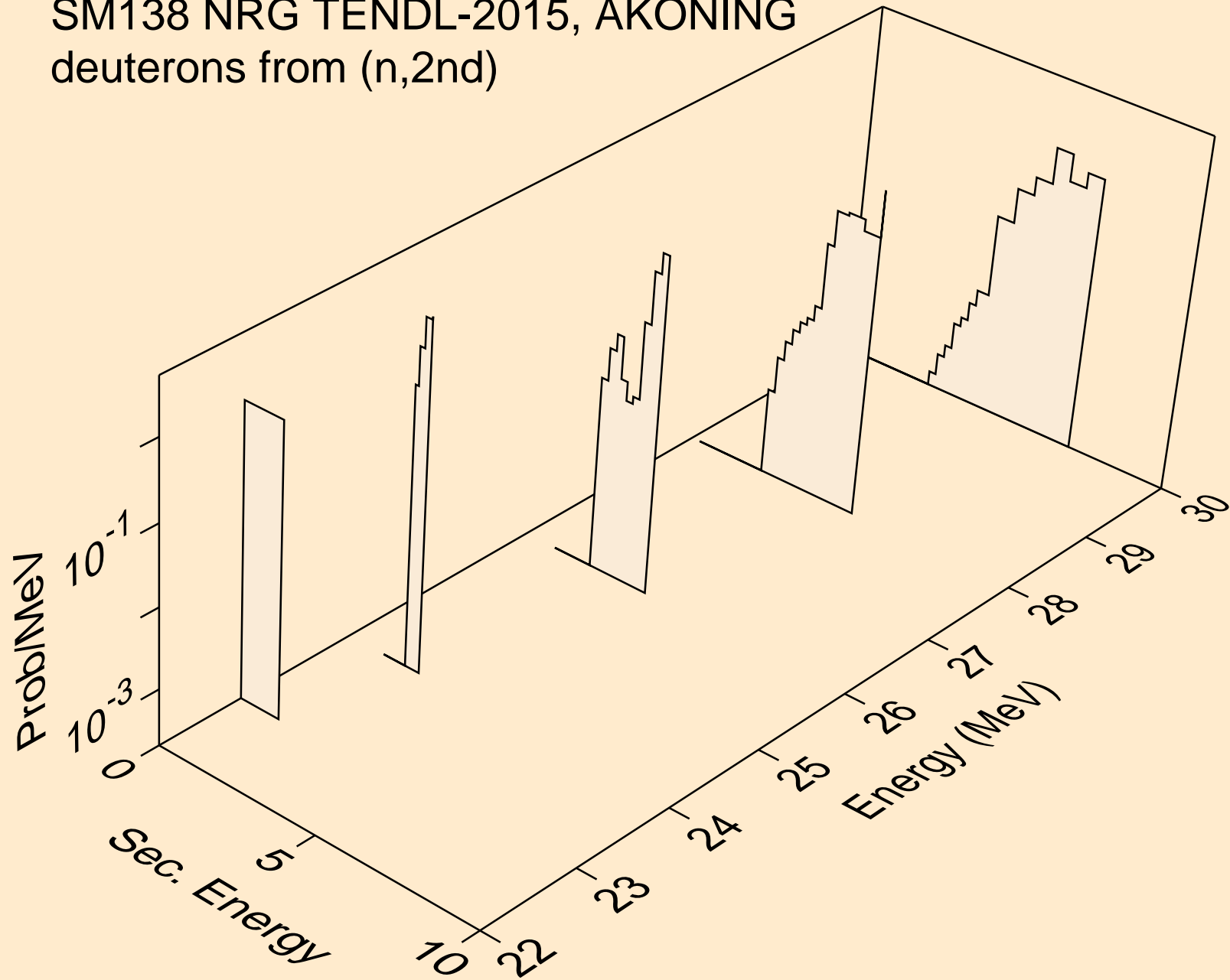
SM138 NRG TENDL-2015, AKONING  
protons from (n,pt)



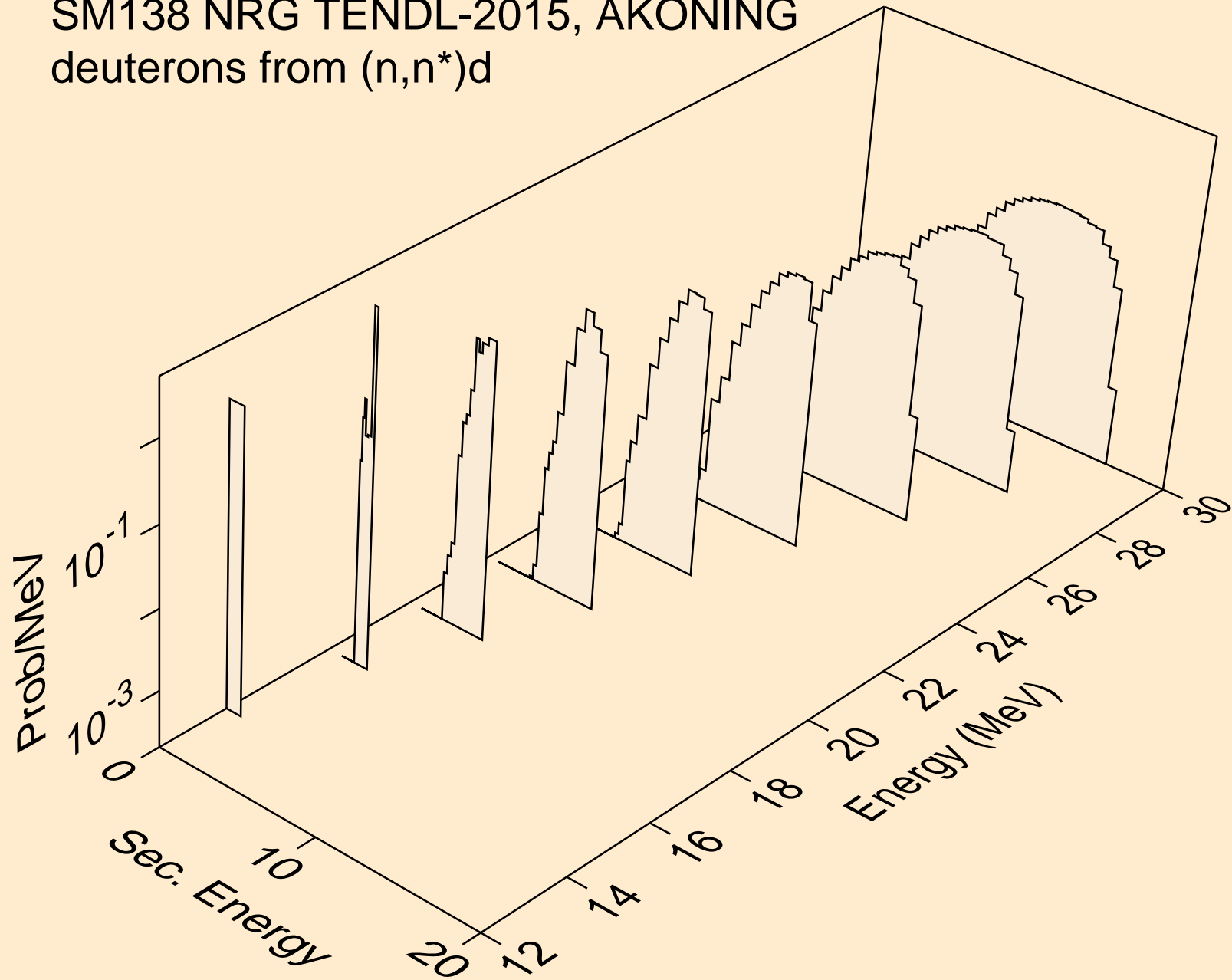
SM138 NRG TENDL-2015, AKONING  
deuterons from (n,x)



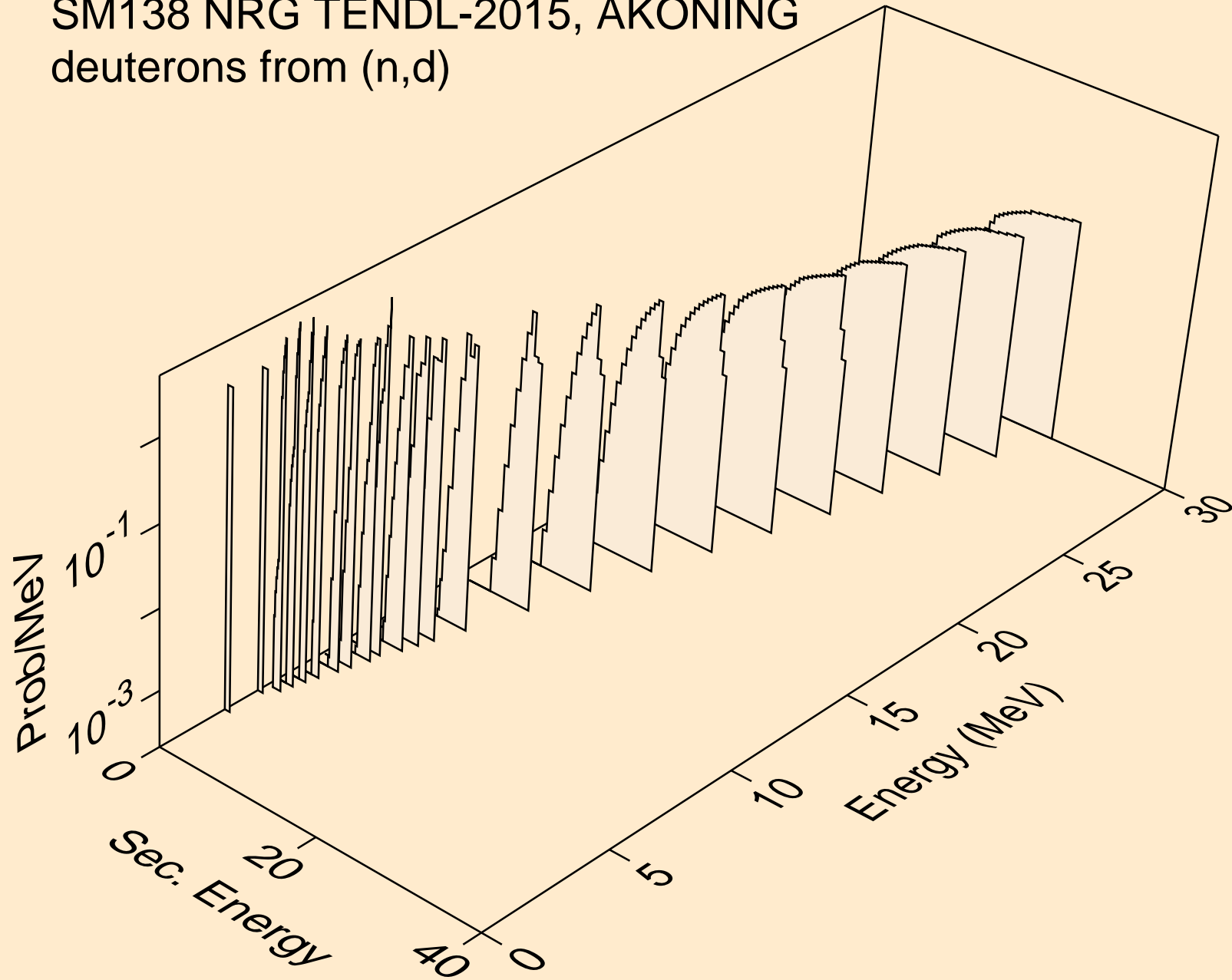
SM138 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



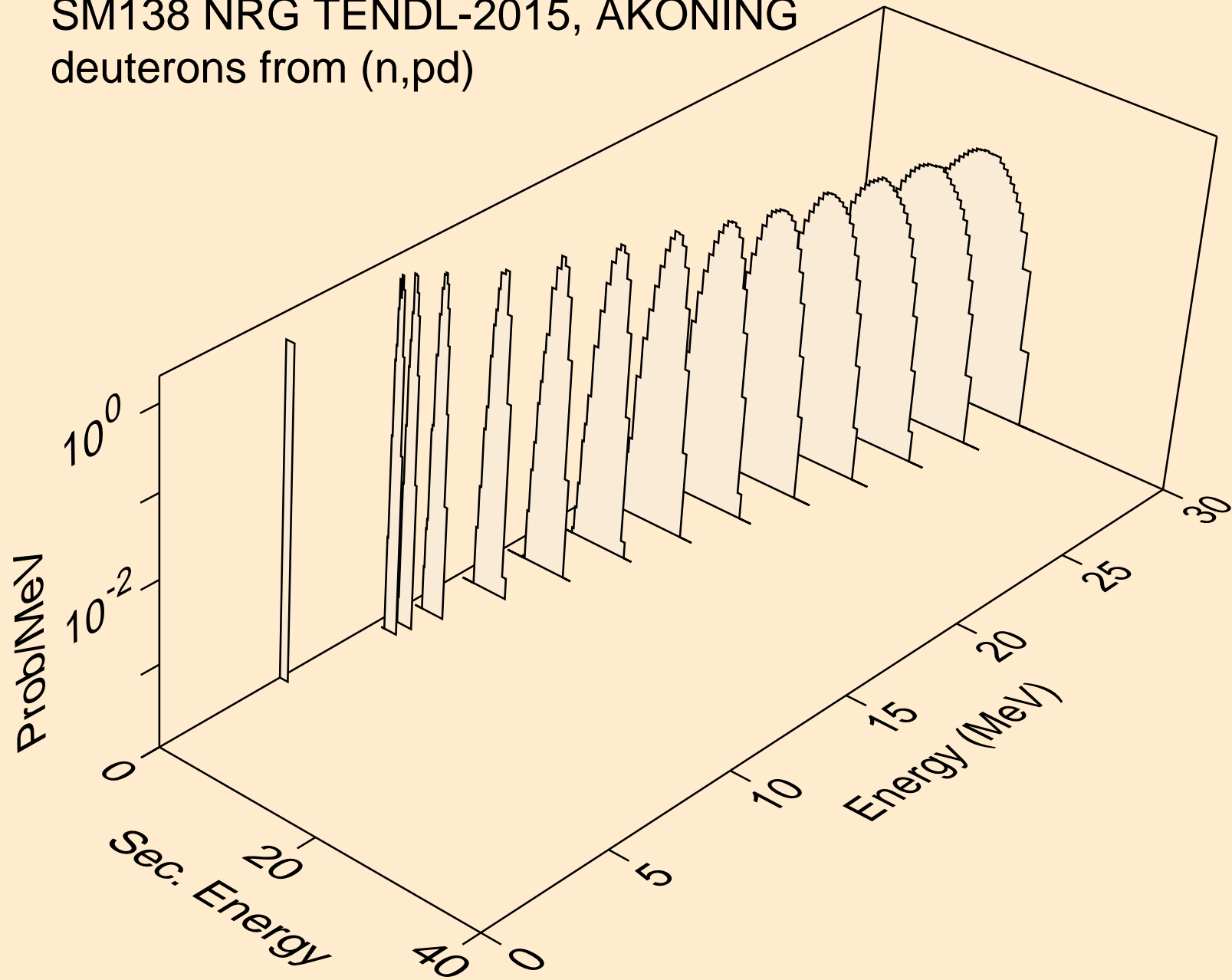
SM138 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



SM138 NRG TENDL-2015, AKONING  
deuterons from (n,d)

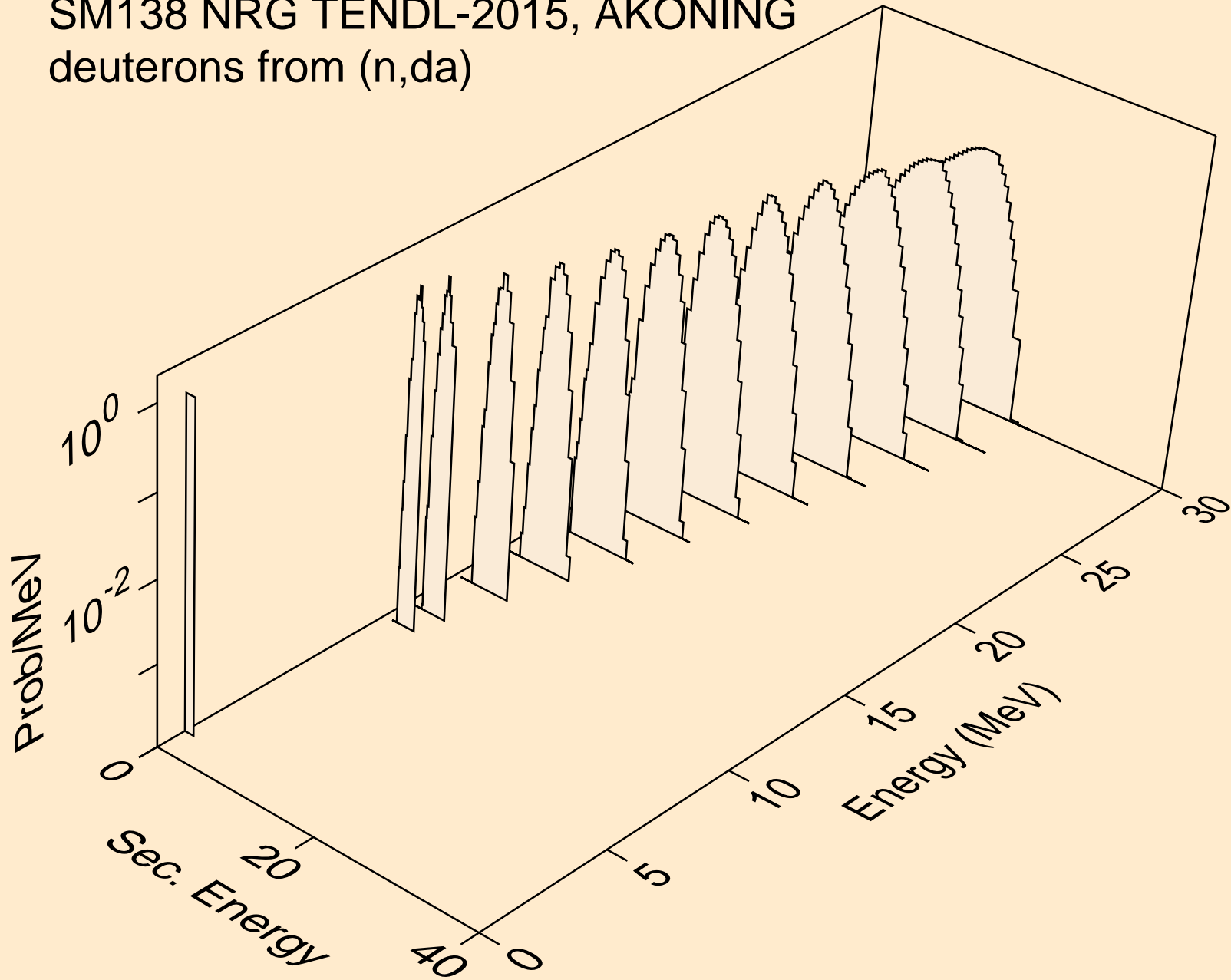


SM138 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

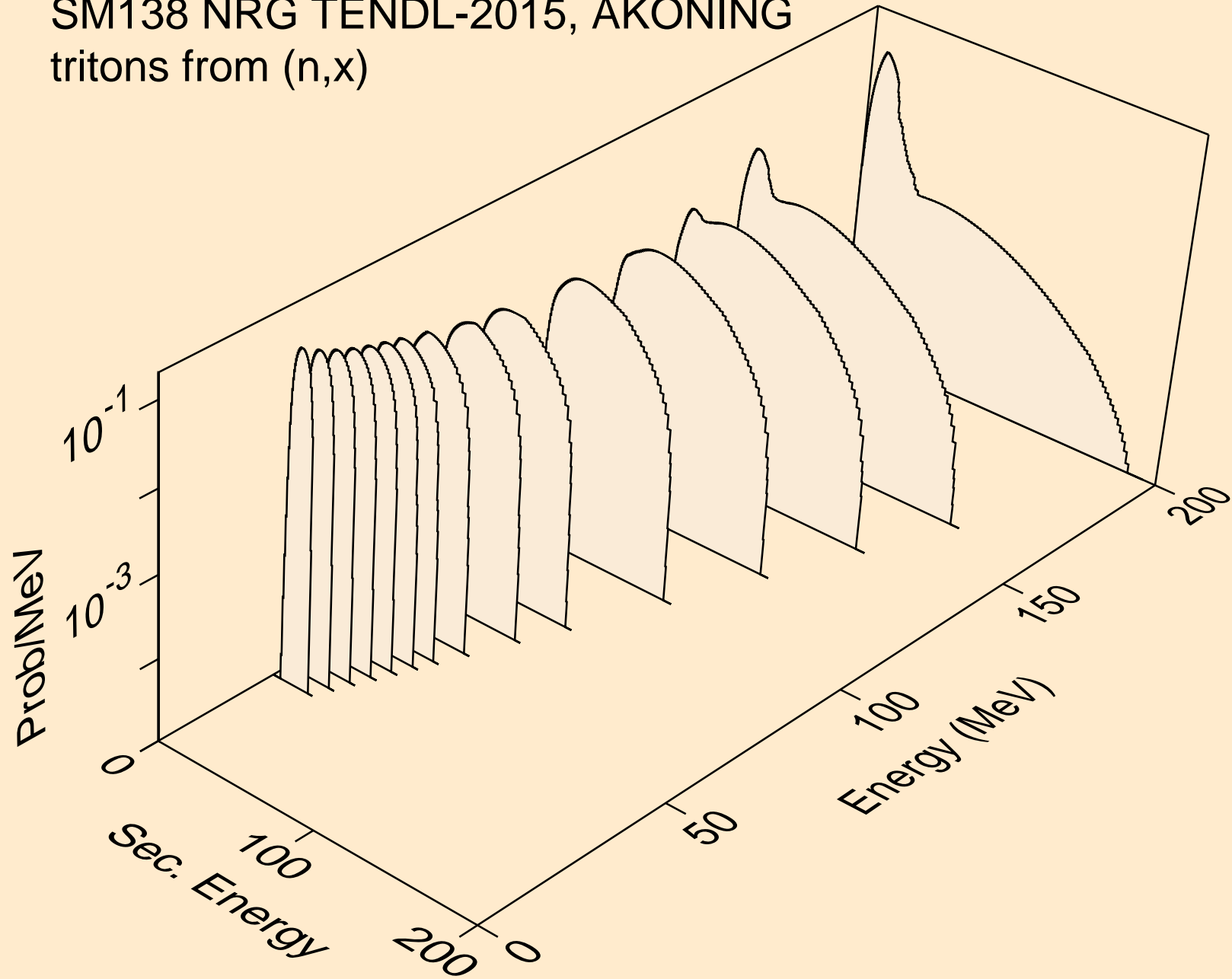




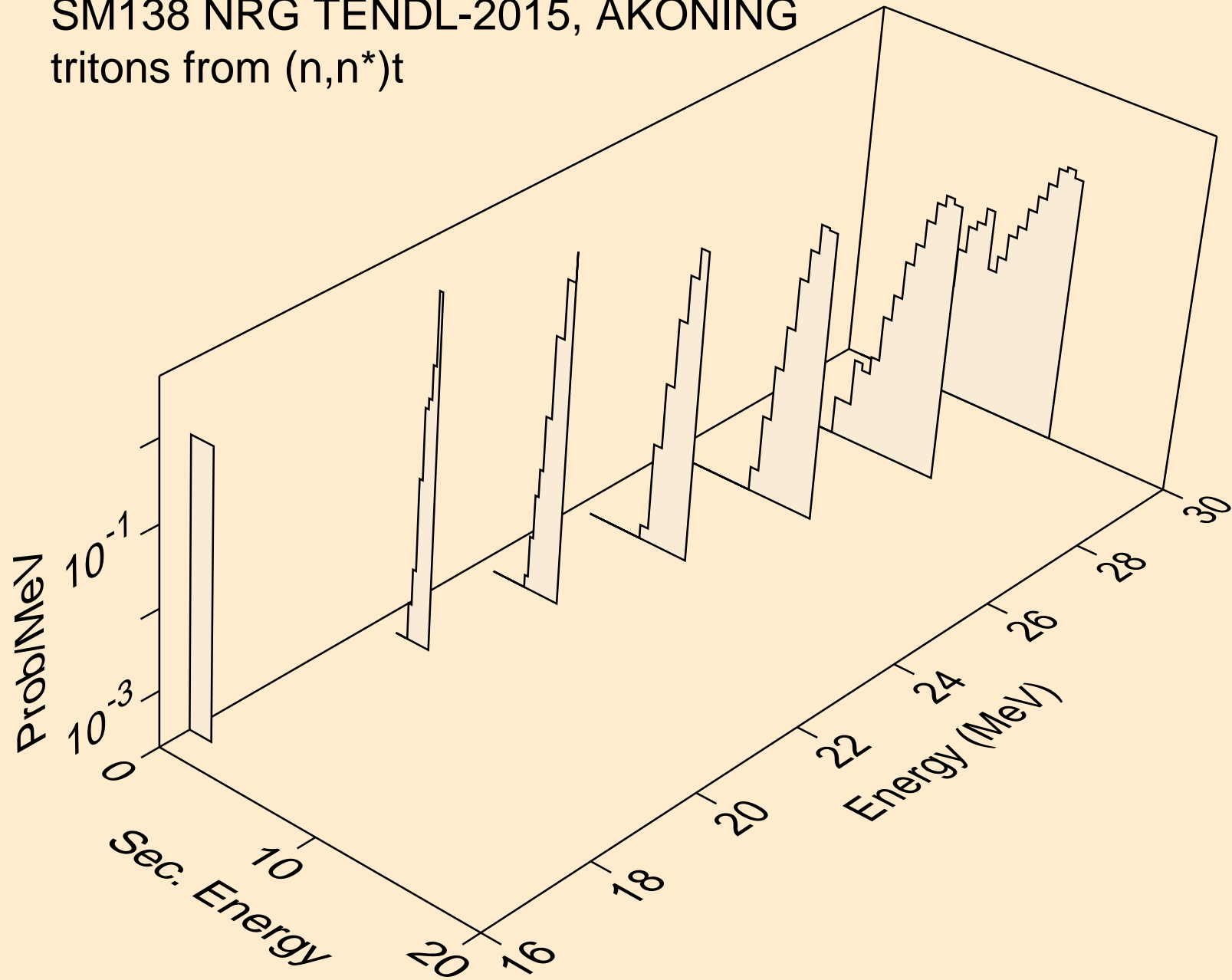
SM138 NRG TENDL-2015, AKONING  
deuterons from (n,da)



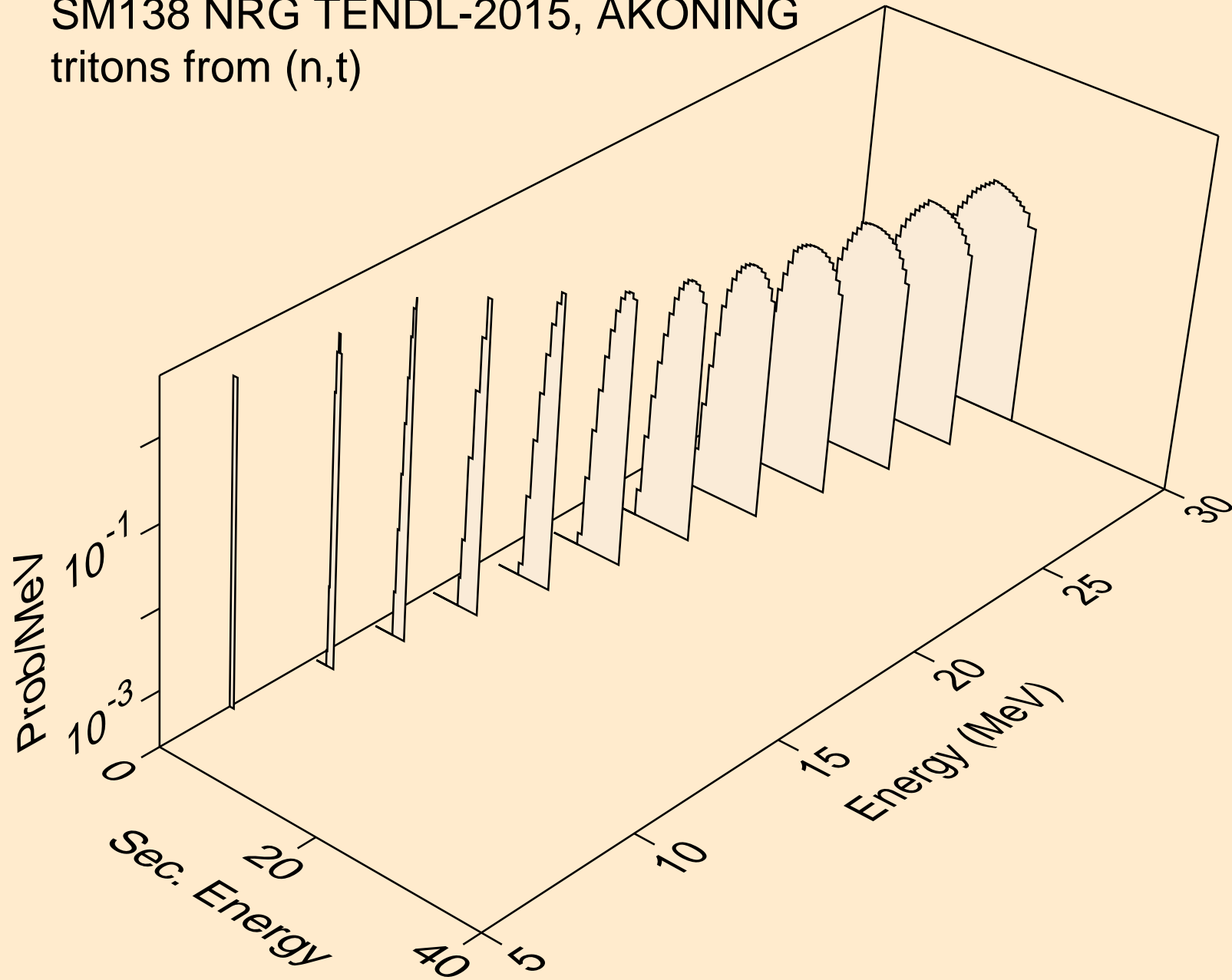
SM138 NRG TENDL-2015, AKONING  
tritons from (n,x)



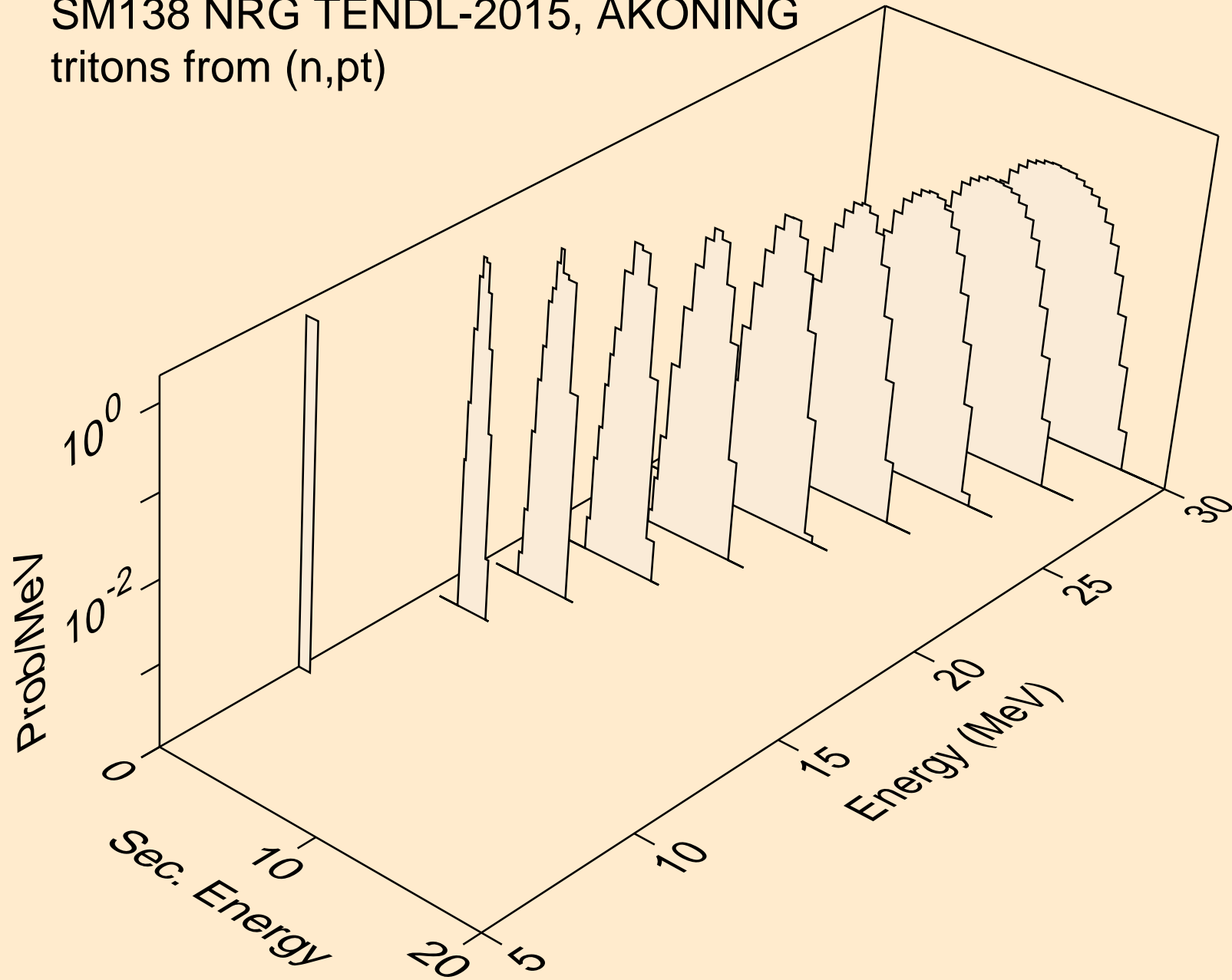
SM138 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



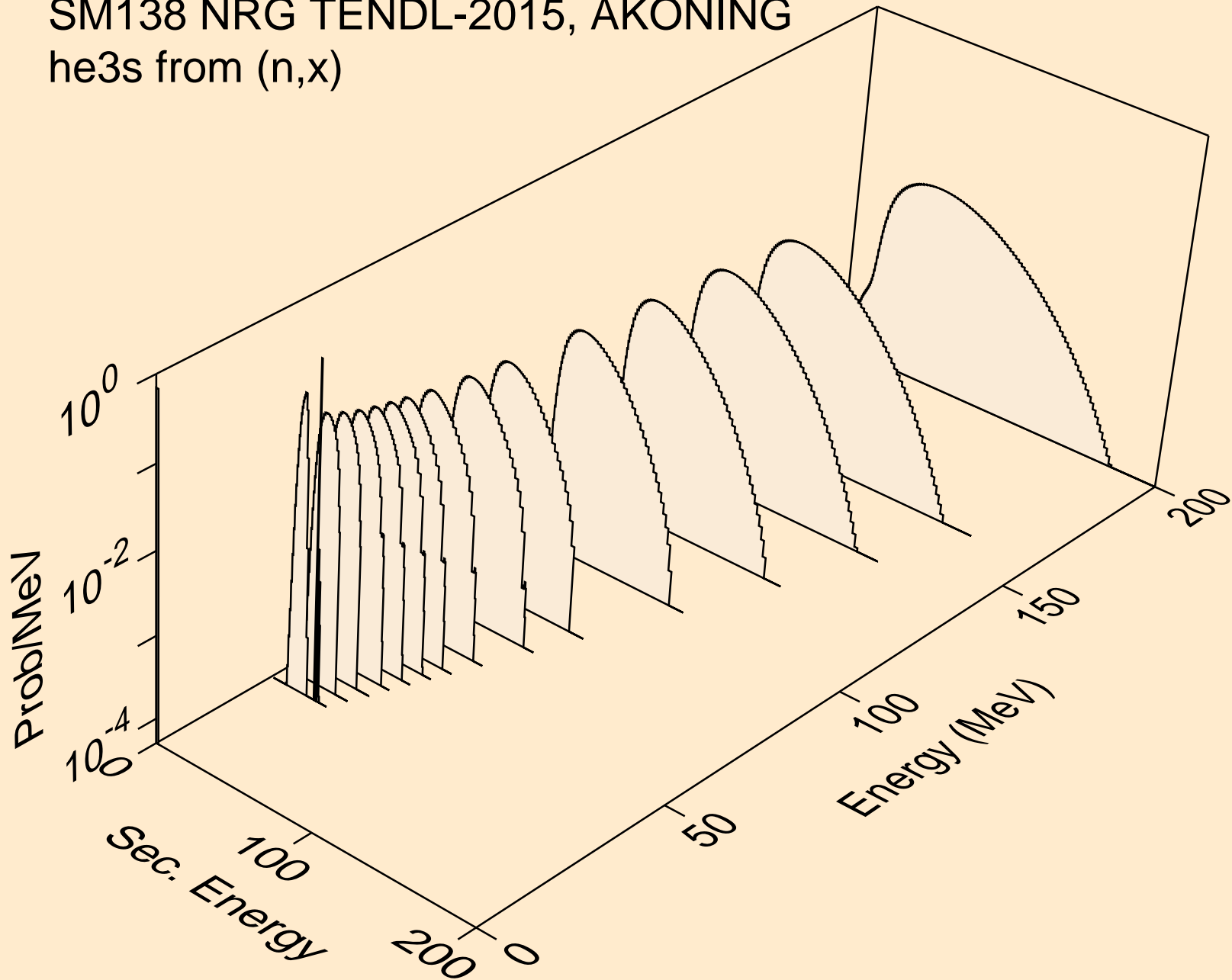
SM138 NRG TENDL-2015, AKONING  
tritons from (n,t)



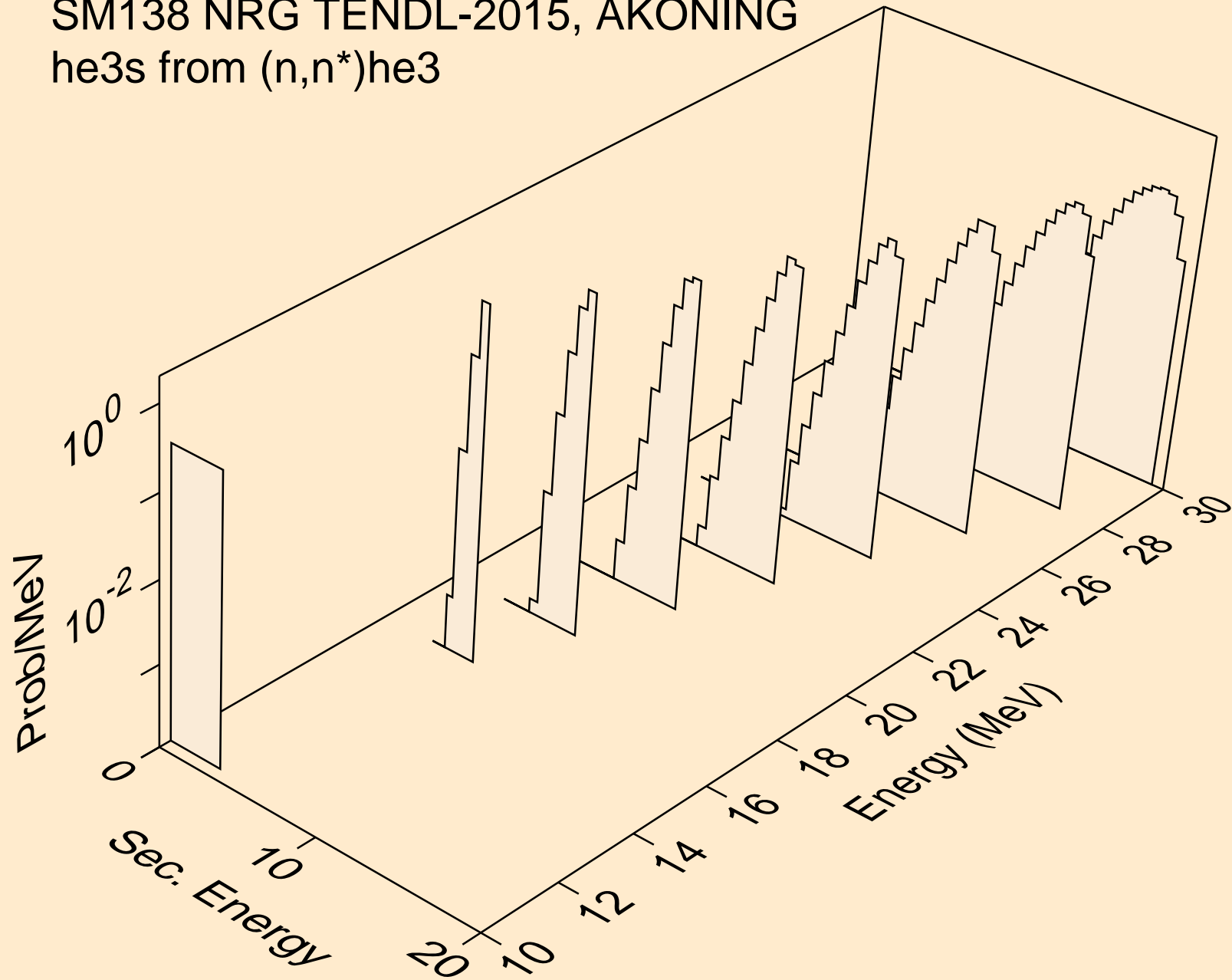
SM138 NRG TENDL-2015, AKONING  
tritons from (n,pt)



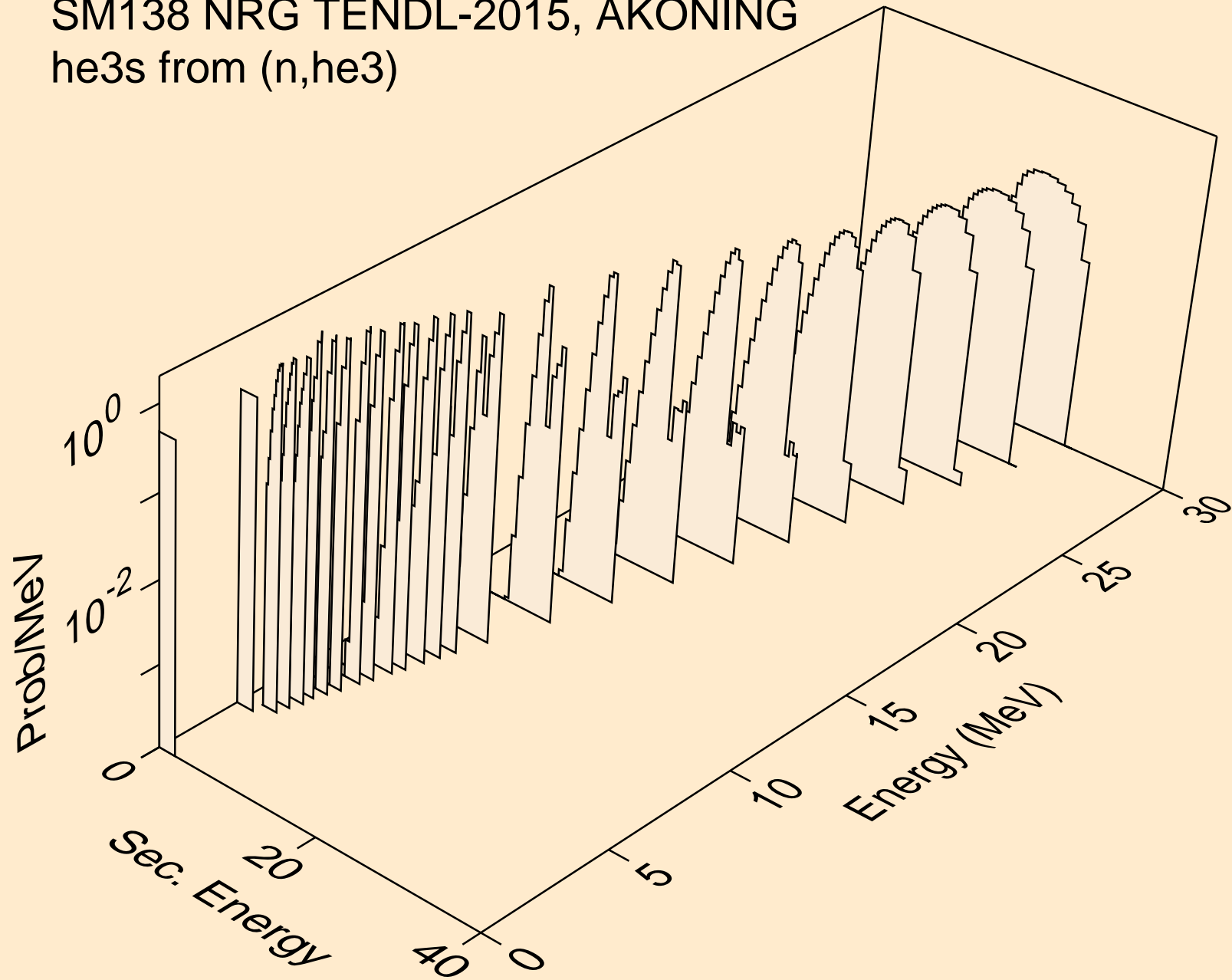
SM138 NRG TENDL-2015, AKONING  
he3s from (n,x)



SM138 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

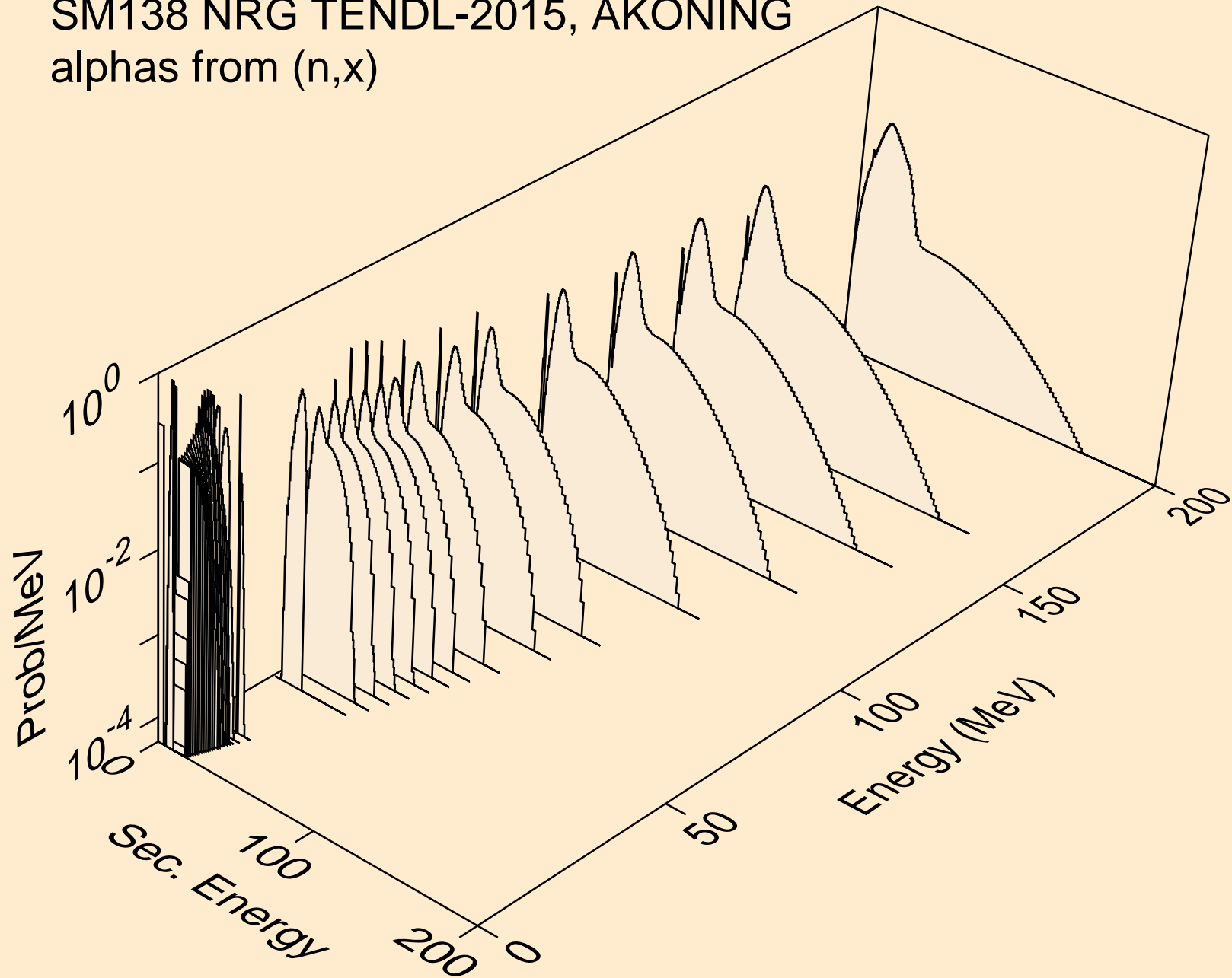


SM138 NRG TENDL-2015, AKONING  
he3s from (n,he3)

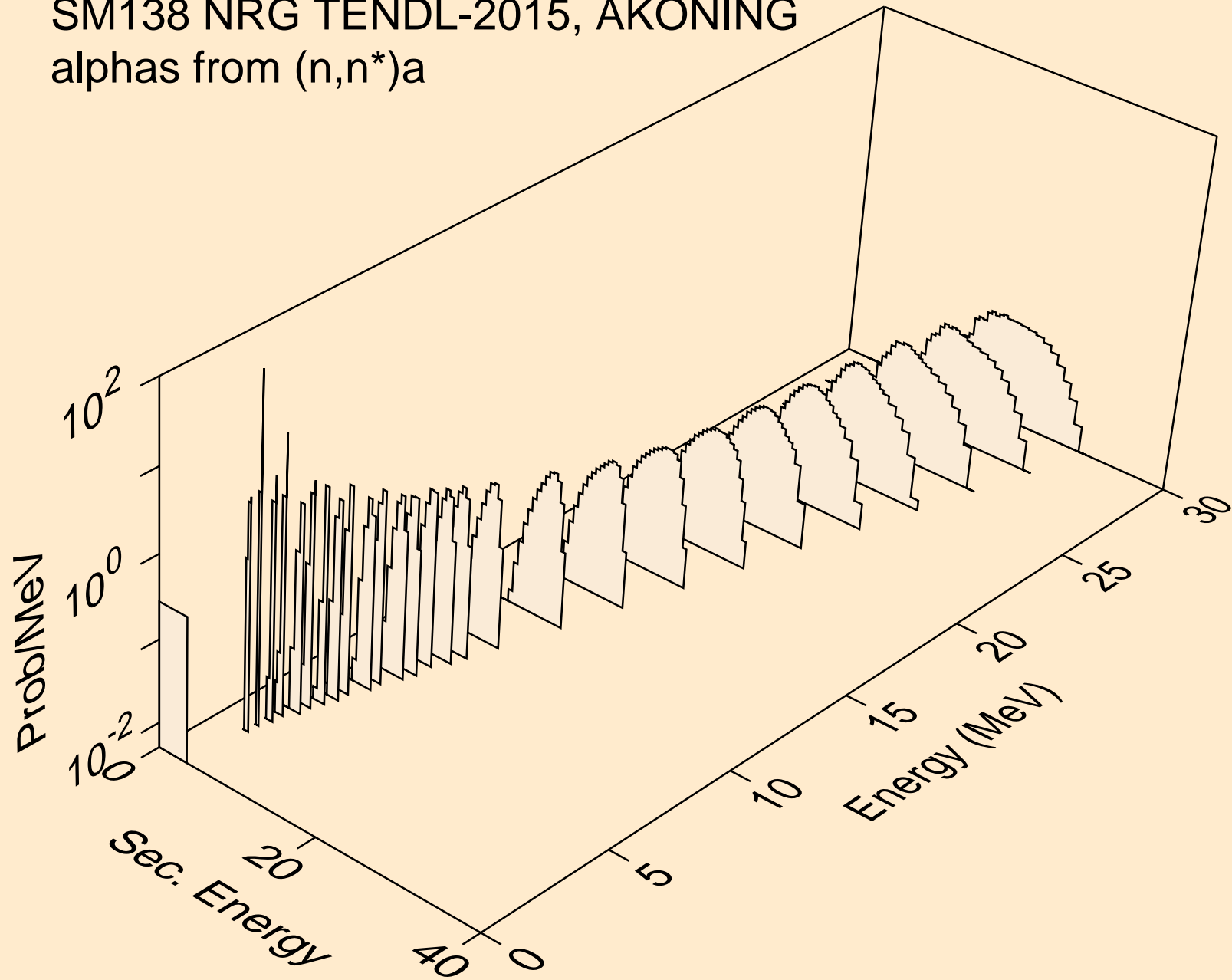




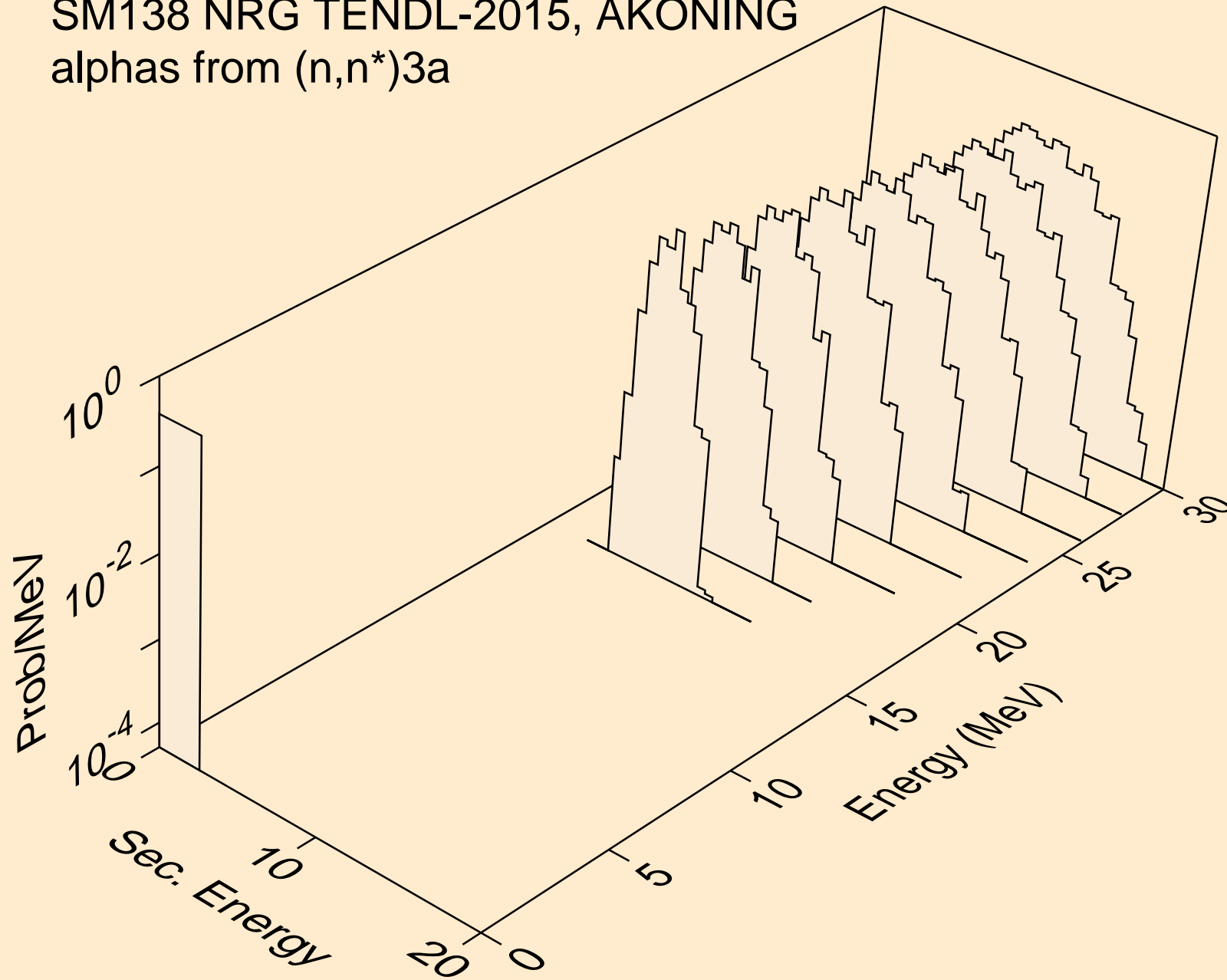
SM138 NRG TENDL-2015, AKONING  
alphas from (n,x)



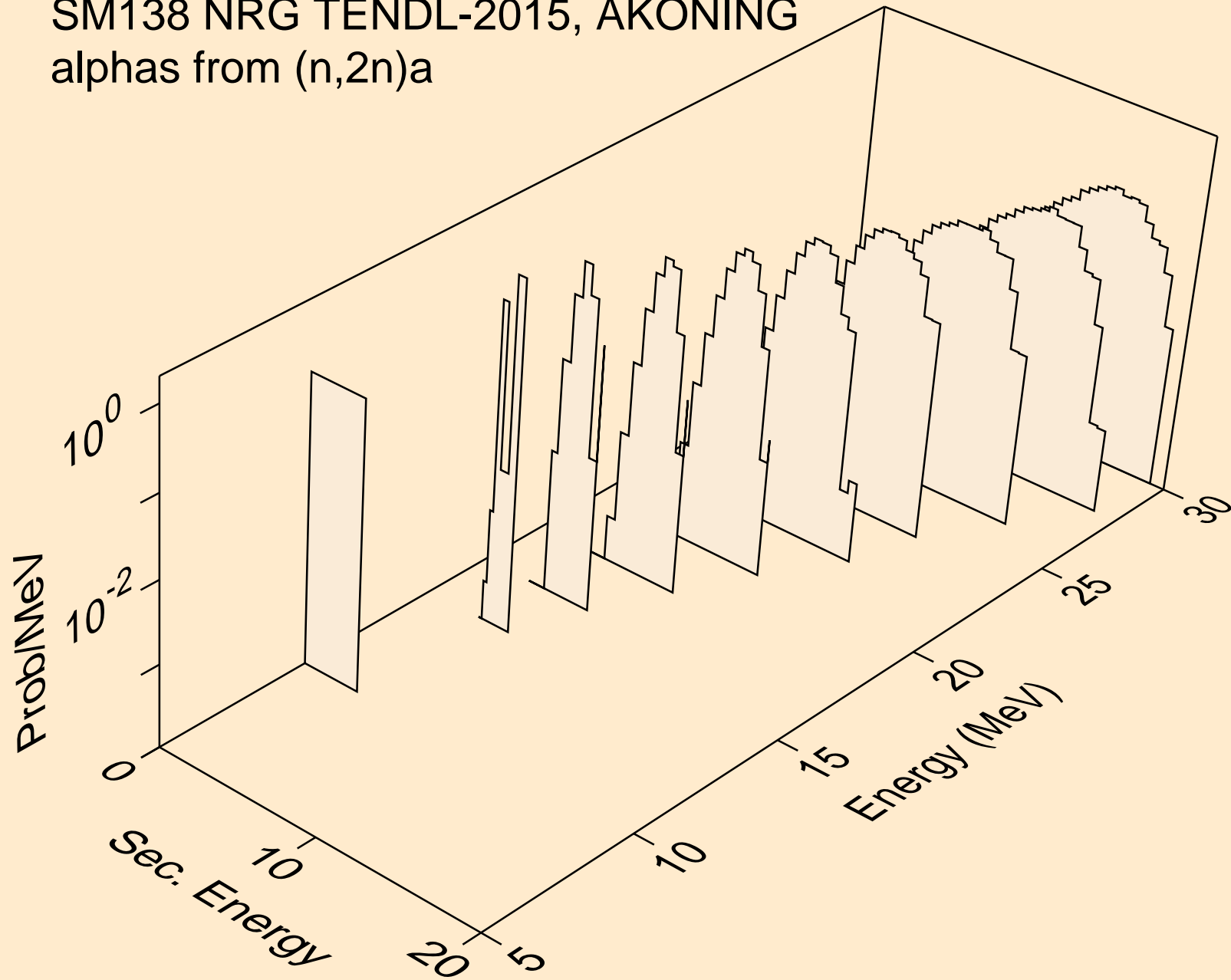
SM138 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



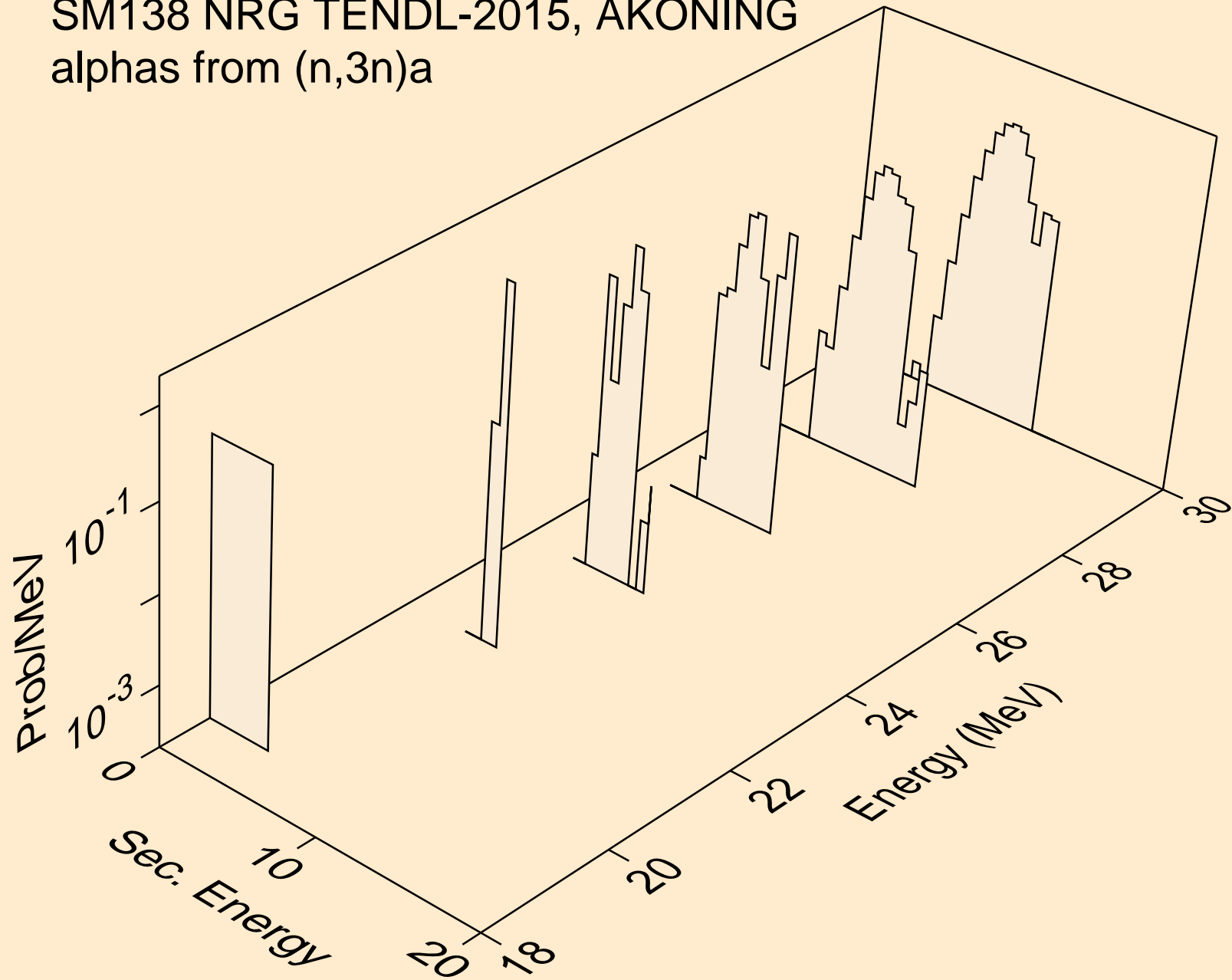
SM138 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



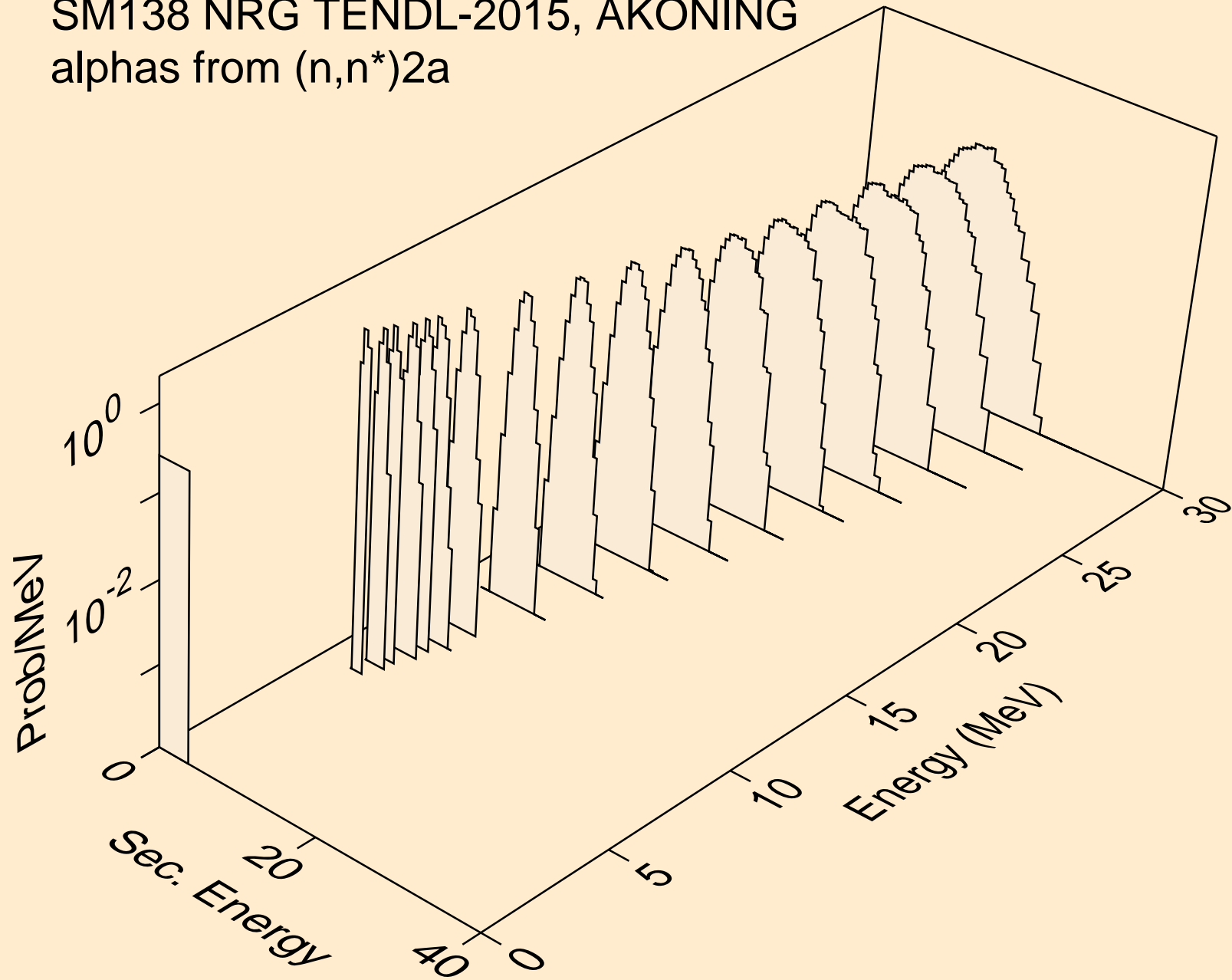
SM138 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



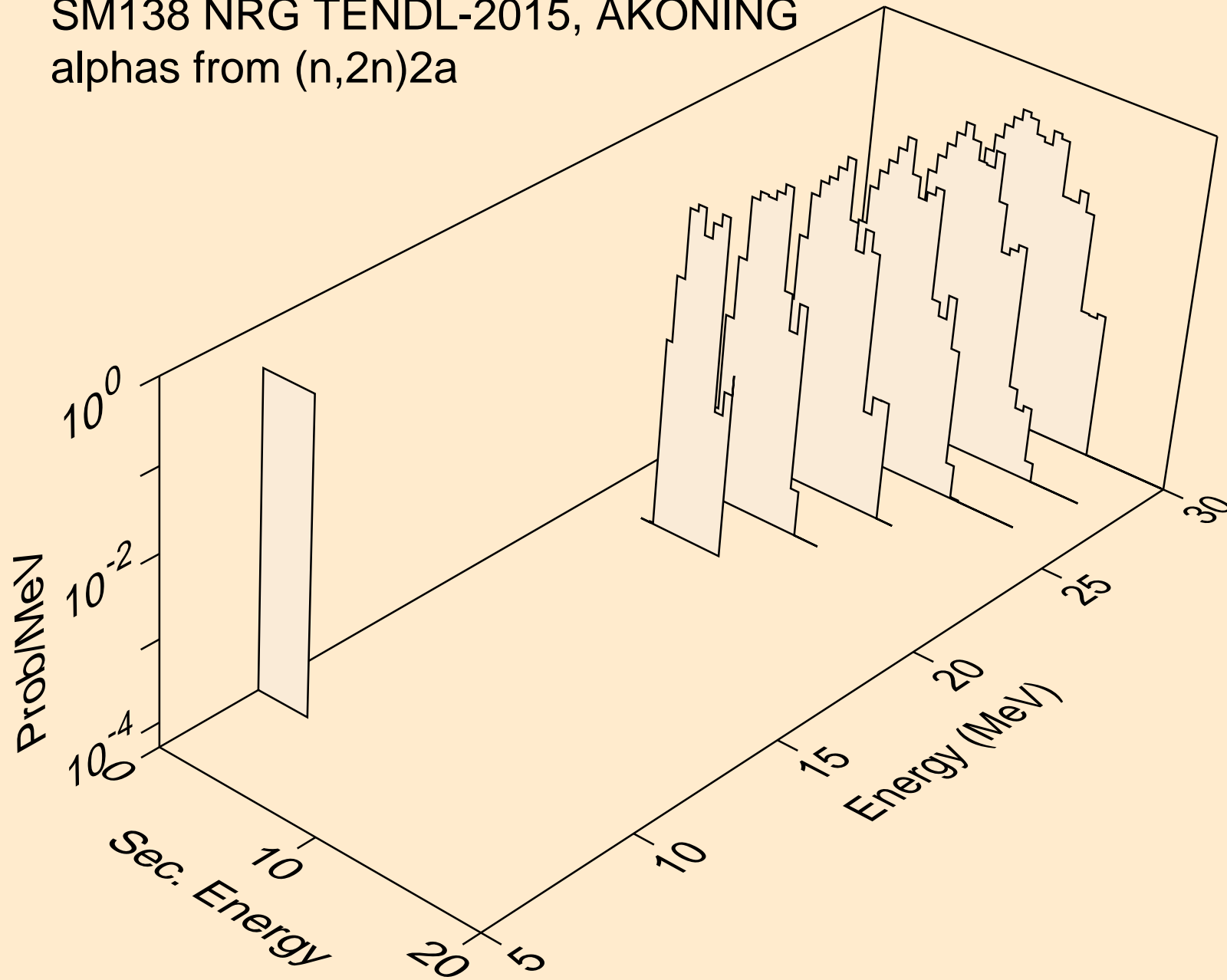
SM138 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



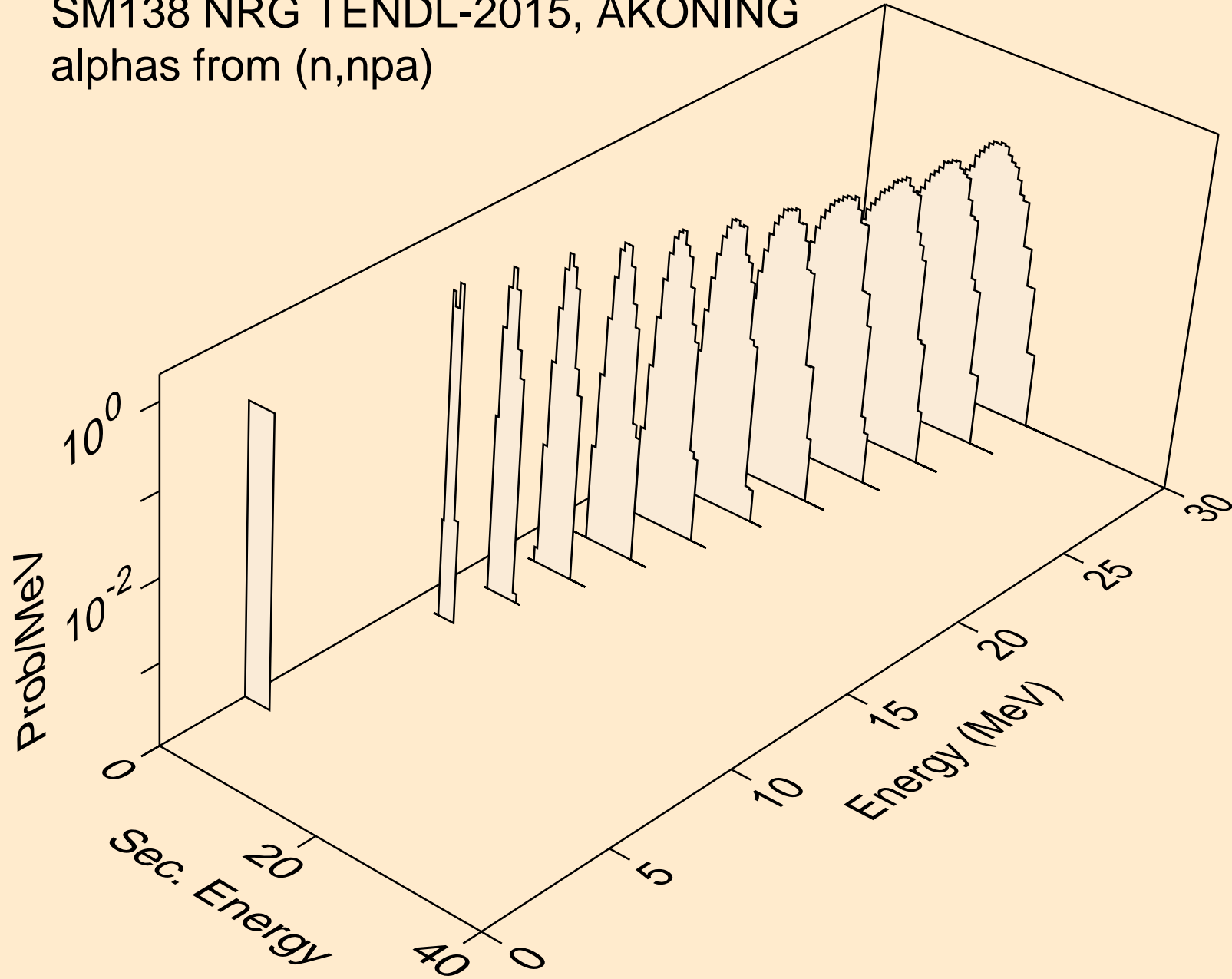
SM138 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



SM138 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

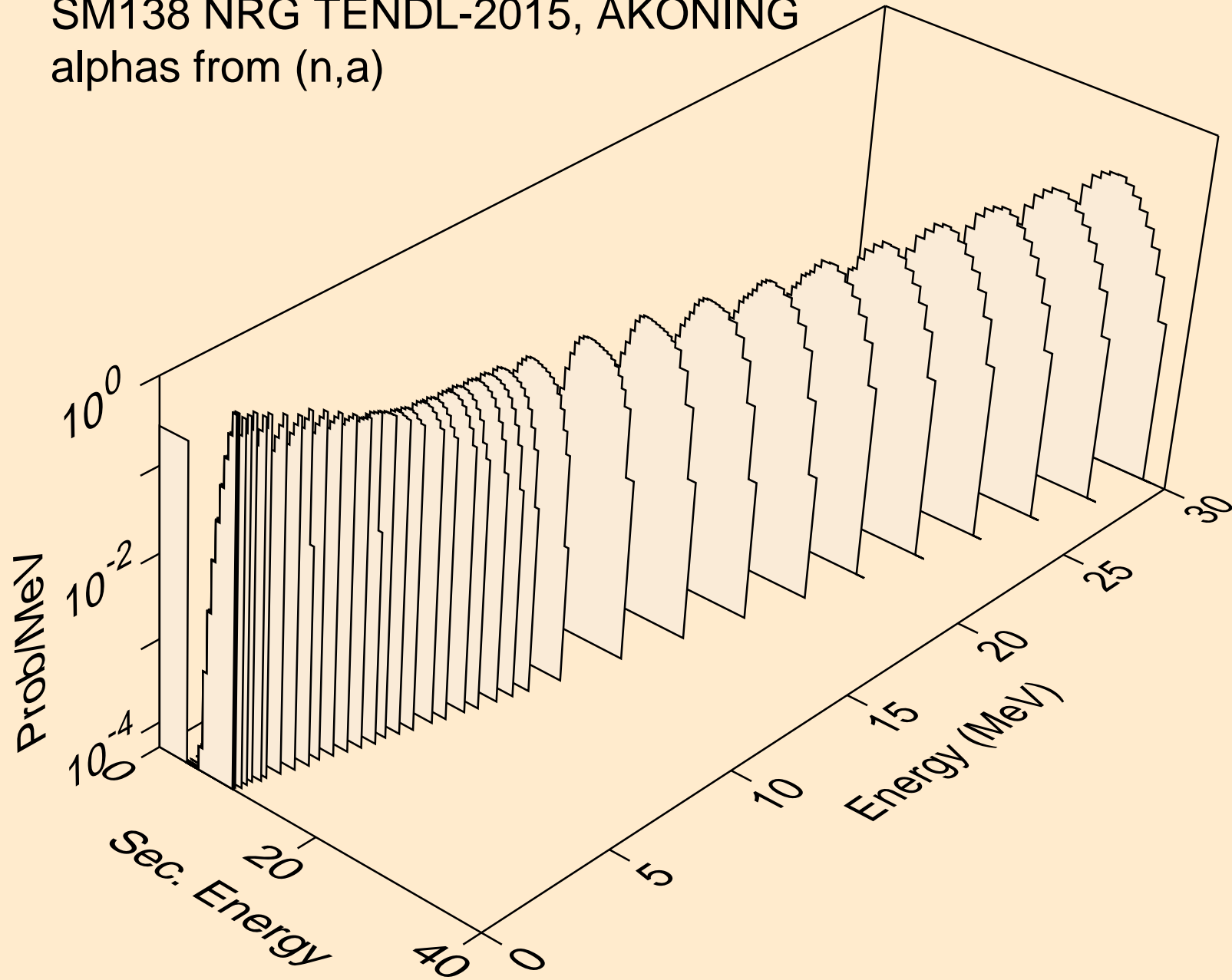


SM138 NRG TENDL-2015, AKONING  
alphas from (n,npa)

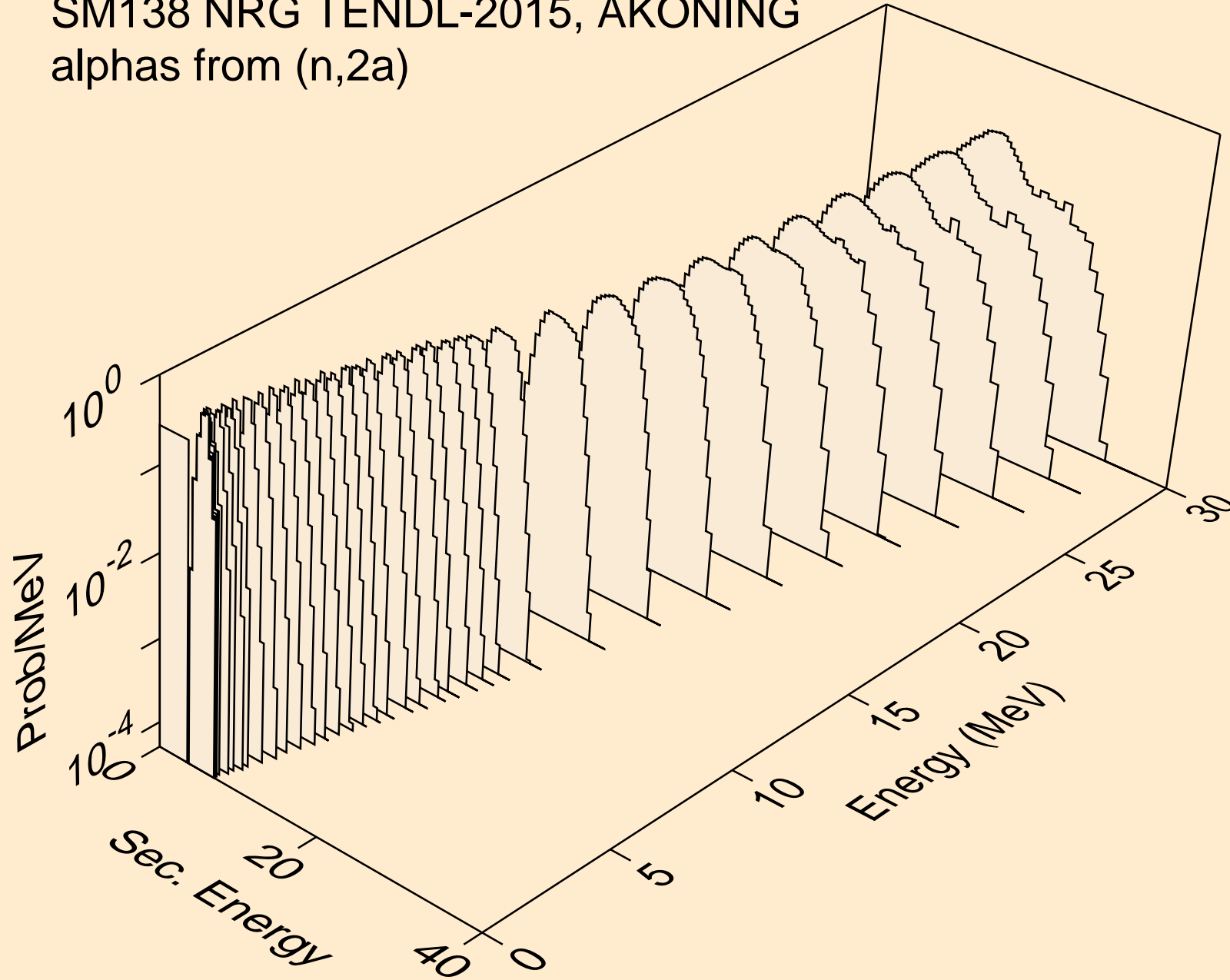




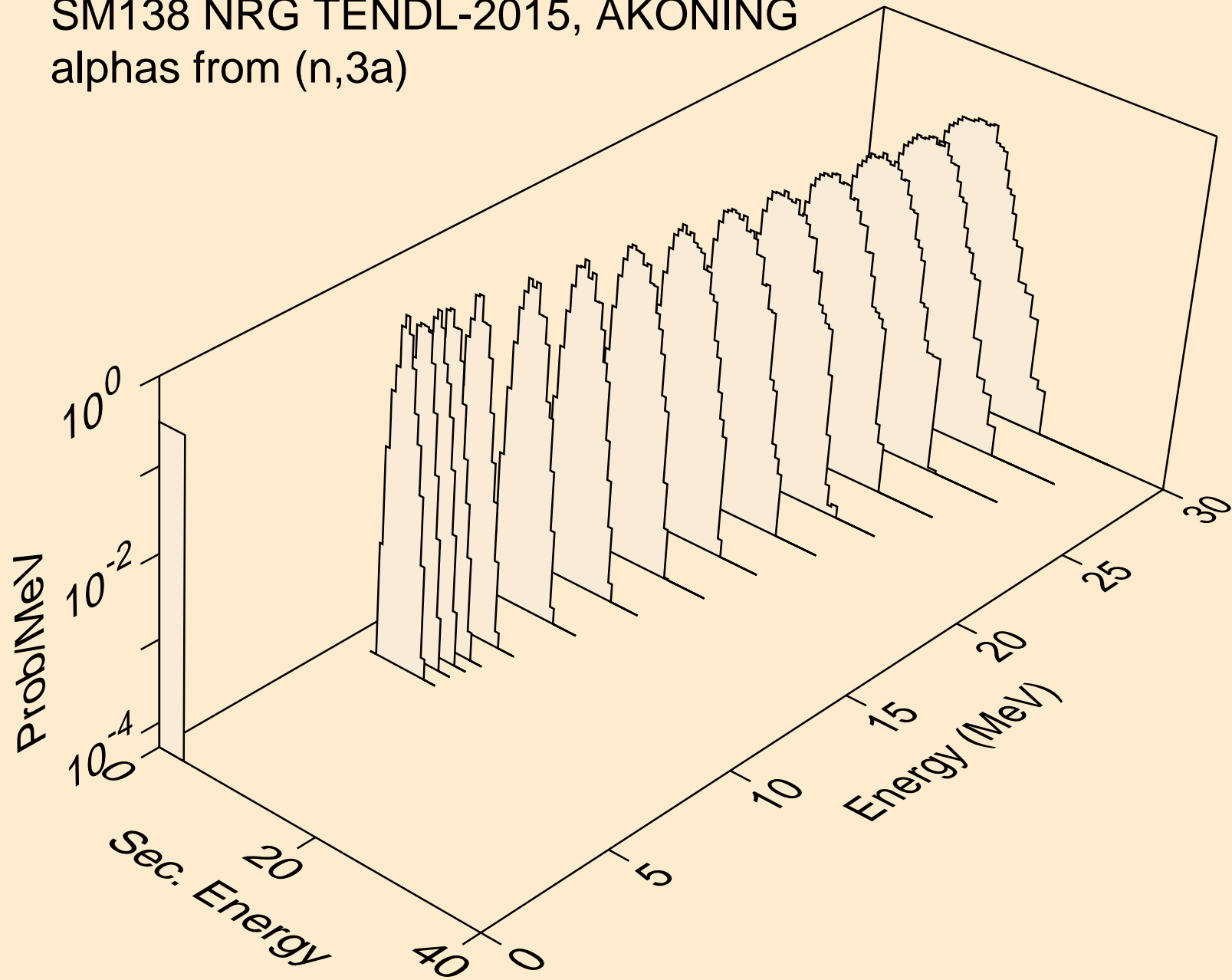
SM138 NRG TENDL-2015, AKONING  
alphas from (n,a)



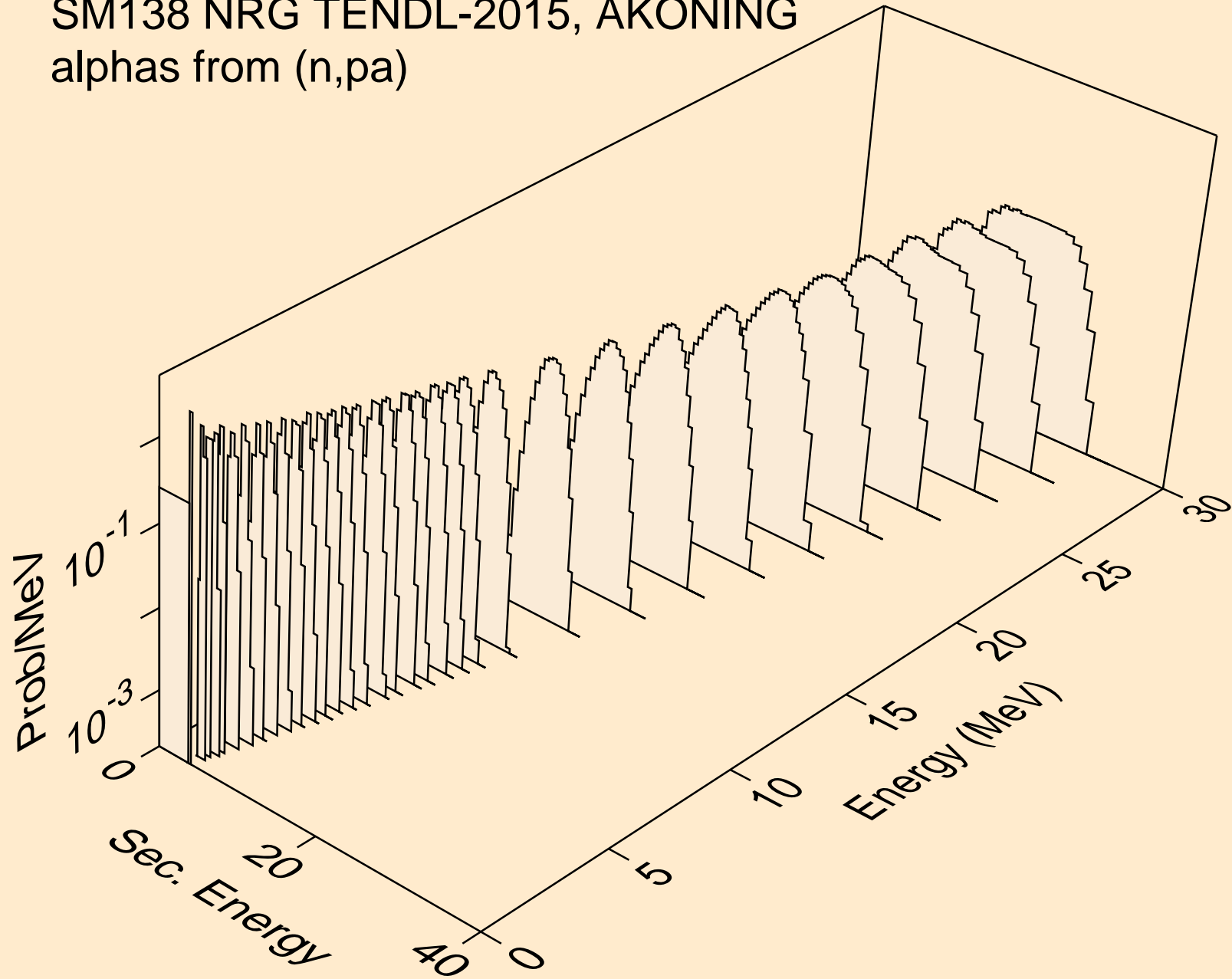
SM138 NRG TENDL-2015, AKONING  
alphas from (n,2a)



SM138 NRG TENDL-2015, AKONING  
alphas from (n,3a)



SM138 NRG TENDL-2015, AKONING  
alphas from (n,pa)



SM138 NRG TENDL-2015, AKONING  
alphas from (n,da)

