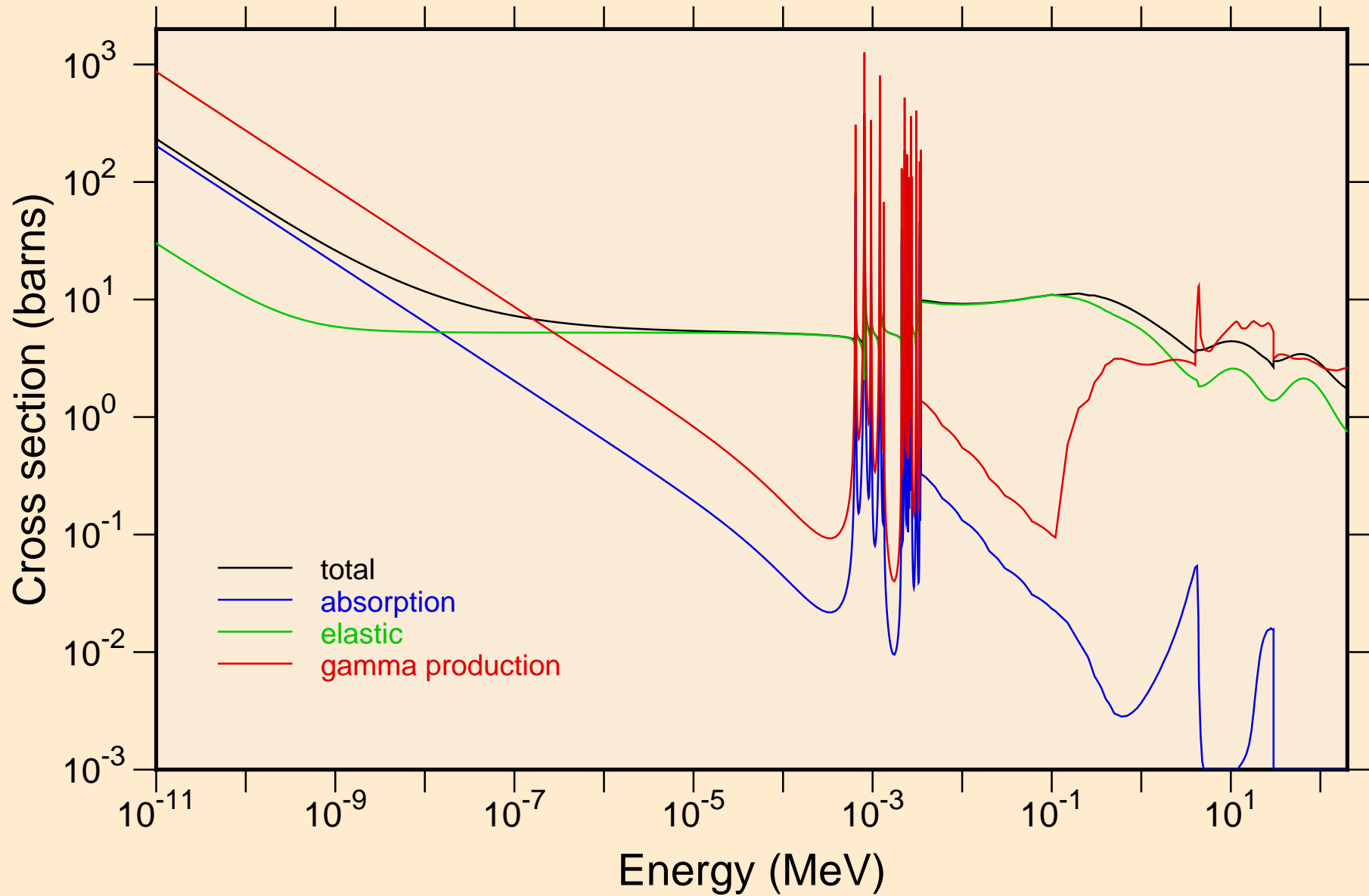
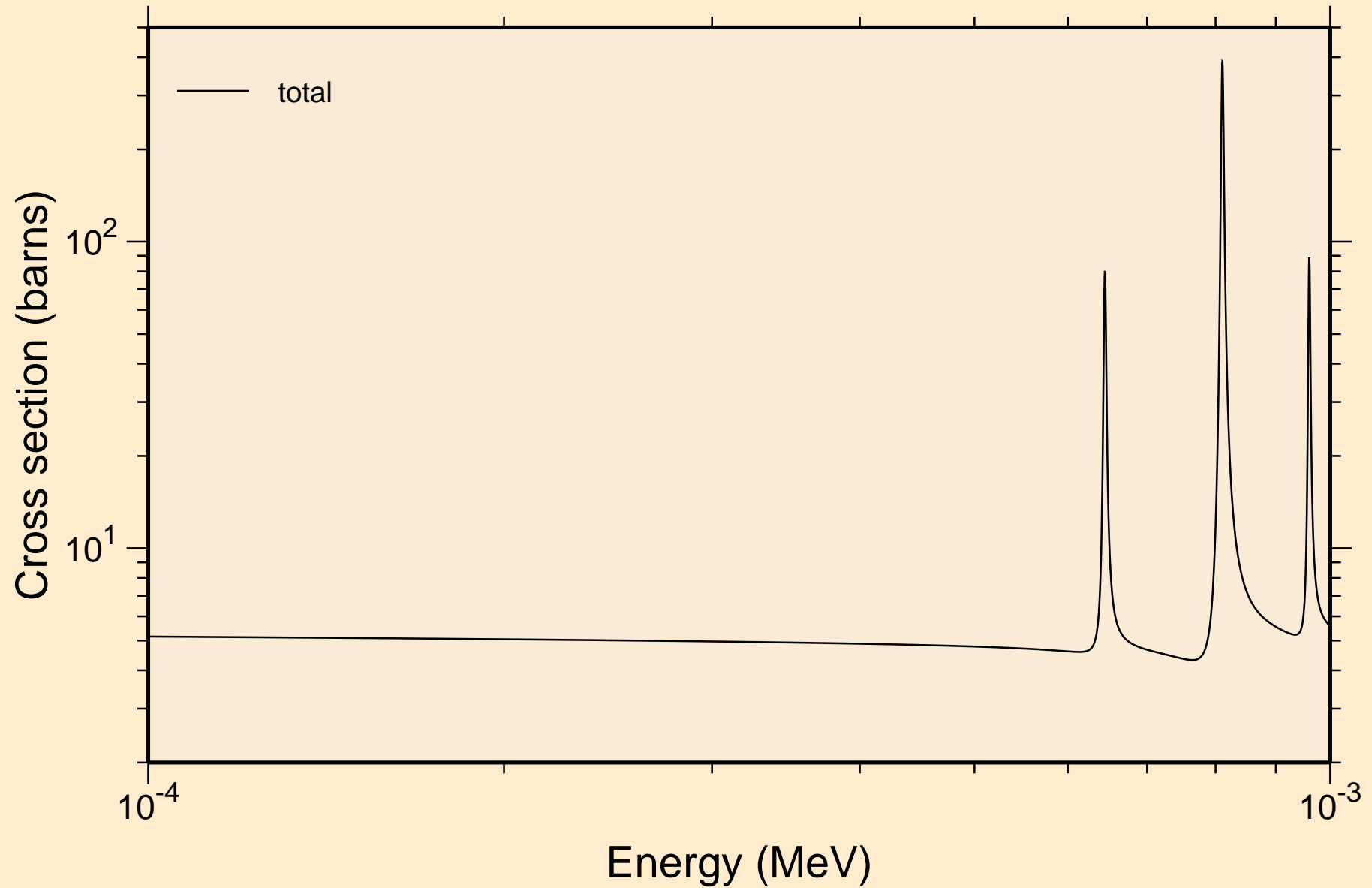


# ZR103 NRG TENDL-2015, AKONING

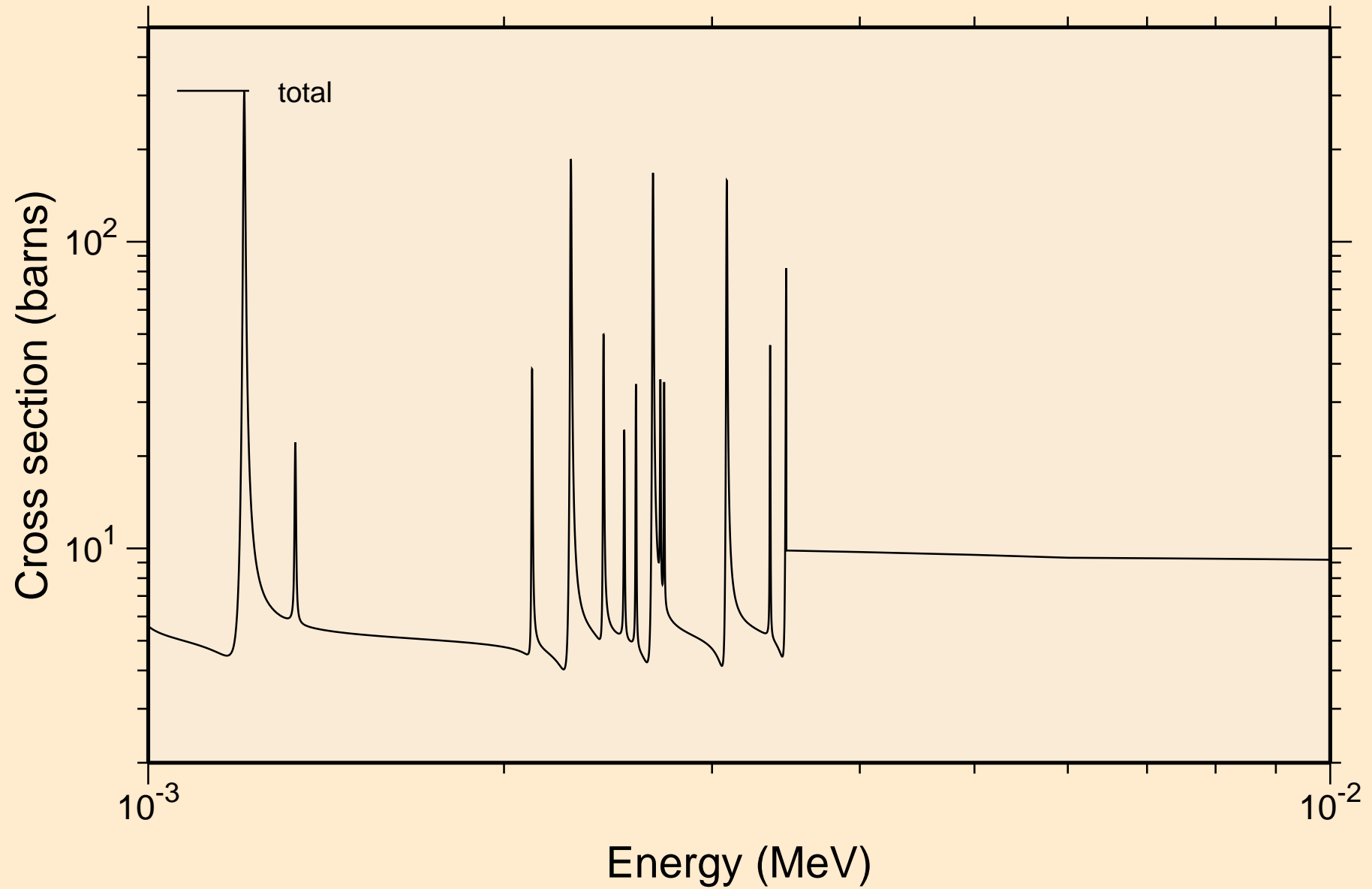
## Principal cross sections



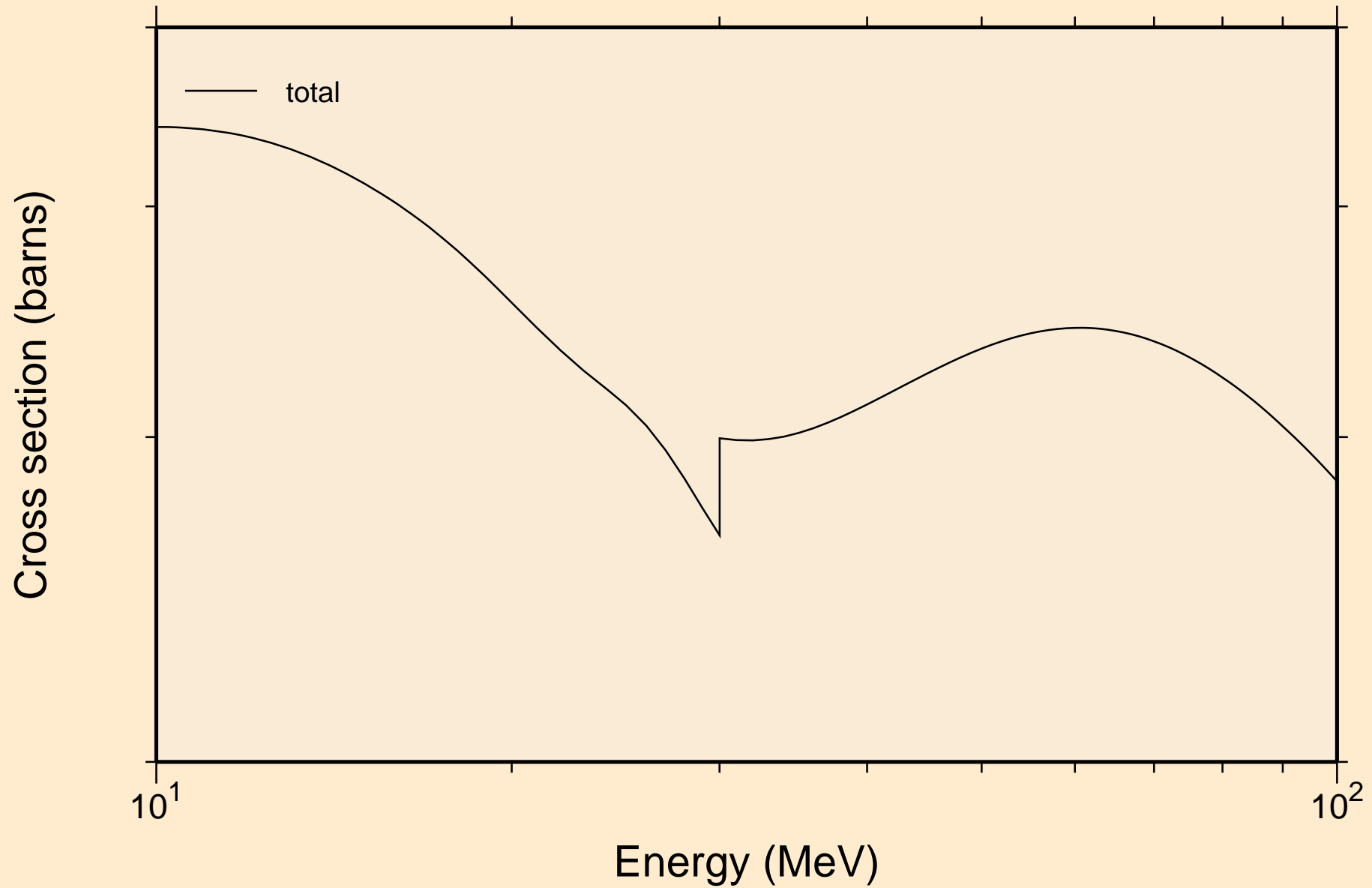
ZR103 NRG TENDL-2015, AKONING  
resonance total cross section



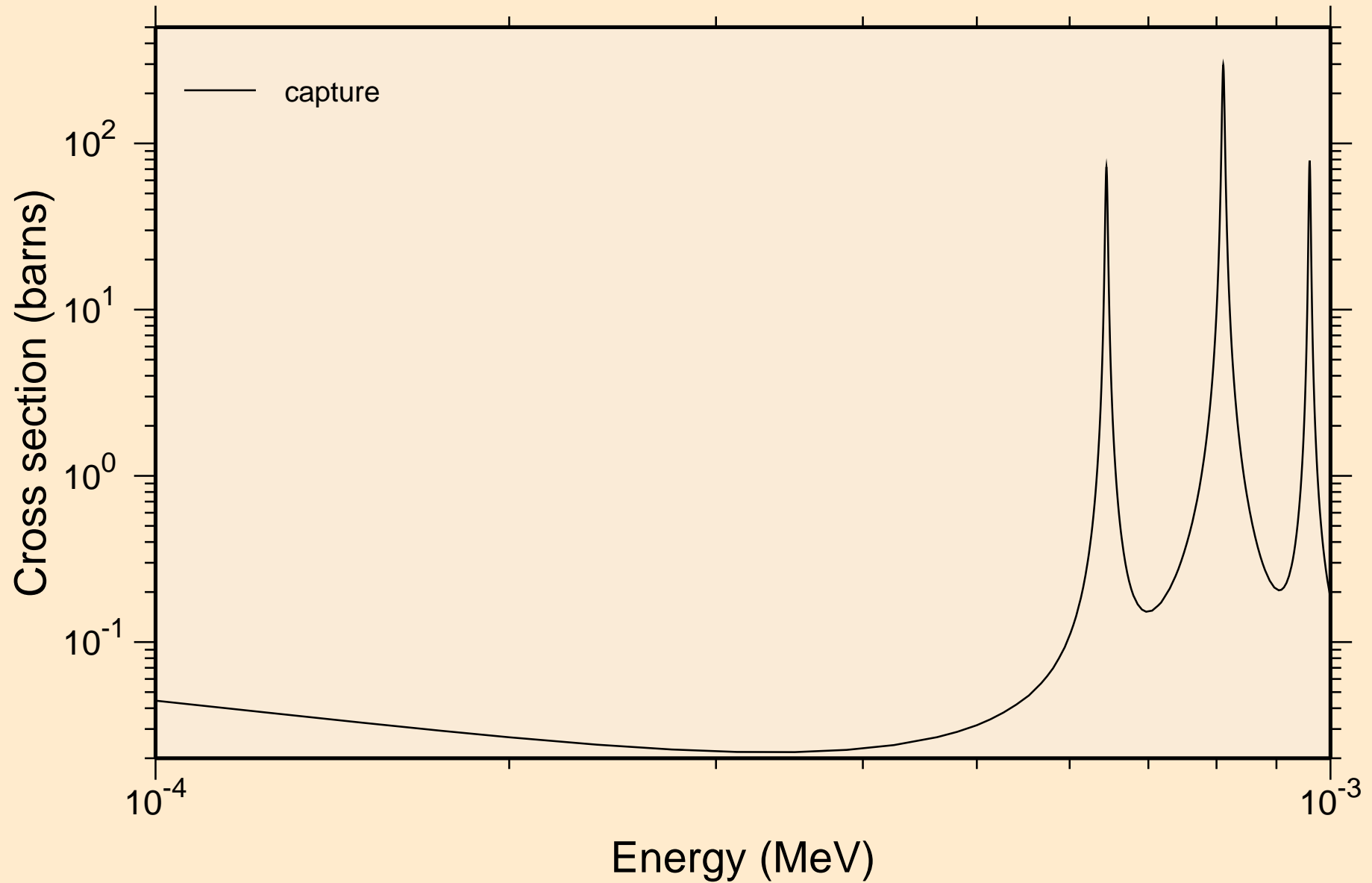
ZR103 NRG TENDL-2015, AKONING  
resonance total cross section



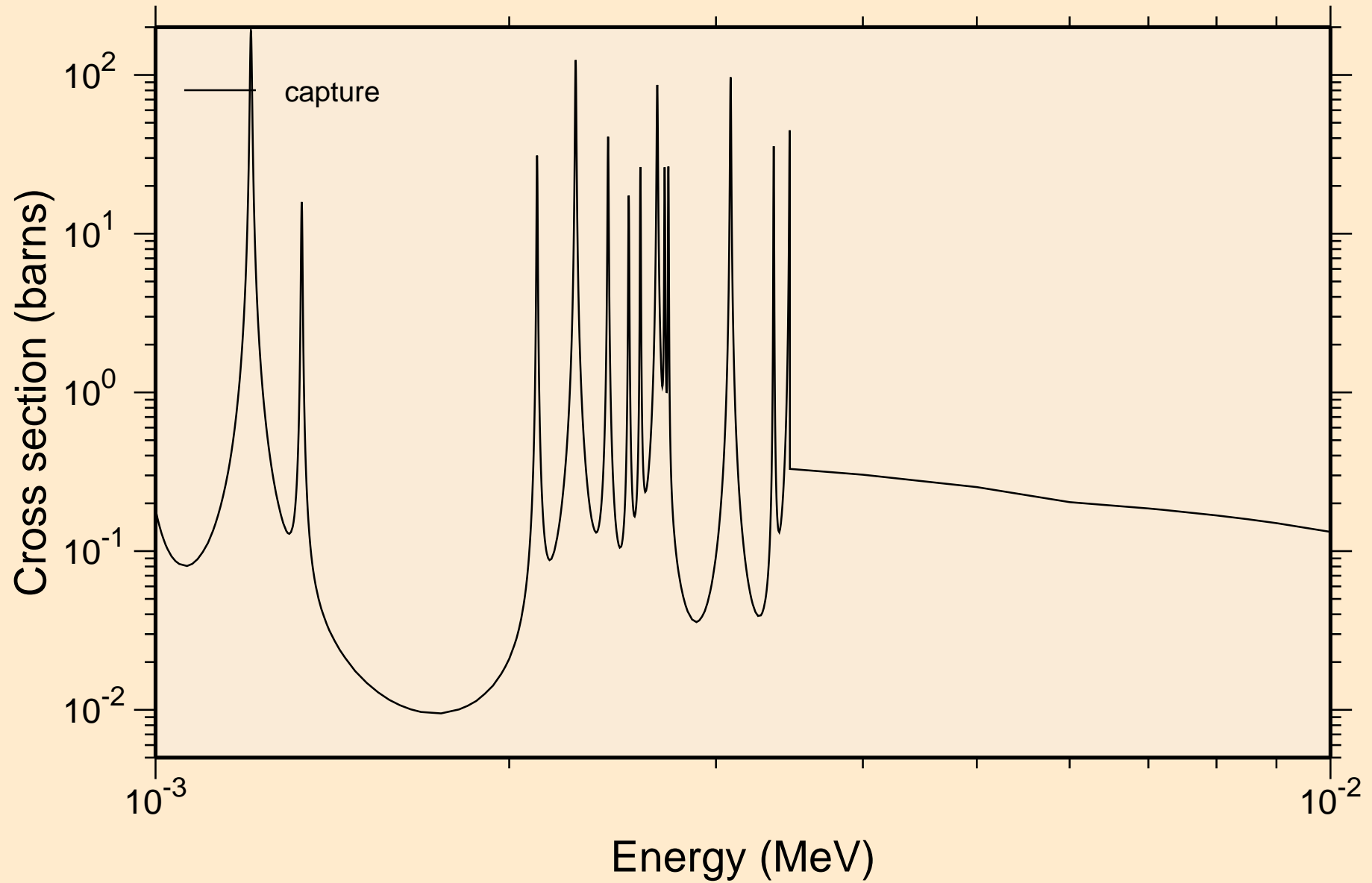
Zr103 NRG TENDL-2015, AKONING  
resonance total cross section



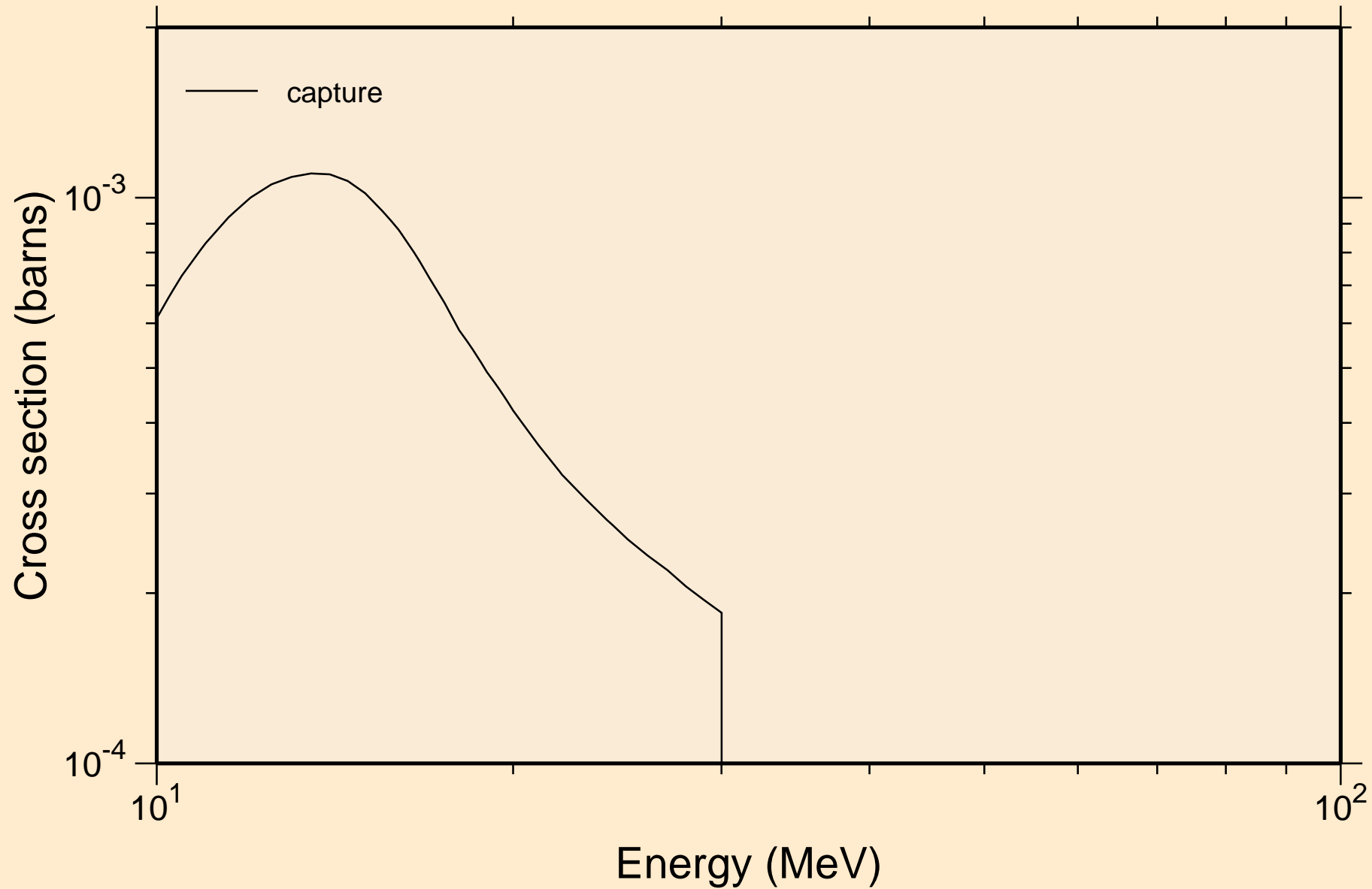
ZR103 NRG TENDL-2015, AKONING  
resonance absorption cross sections



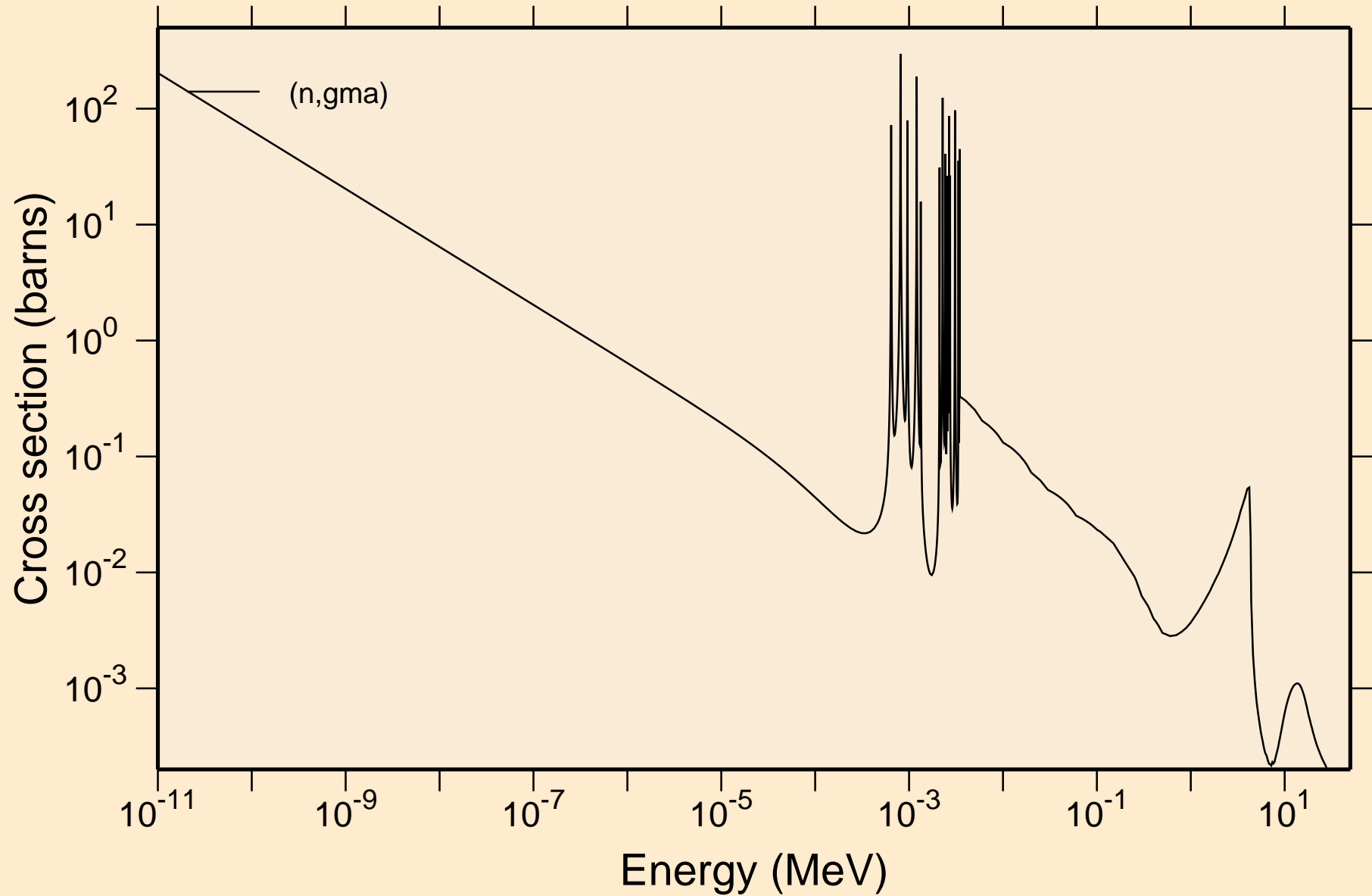
ZR103 NRG TENDL-2015, AKONING  
resonance absorption cross sections



ZR103 NRG TENDL-2015, AKONING  
resonance absorption cross sections



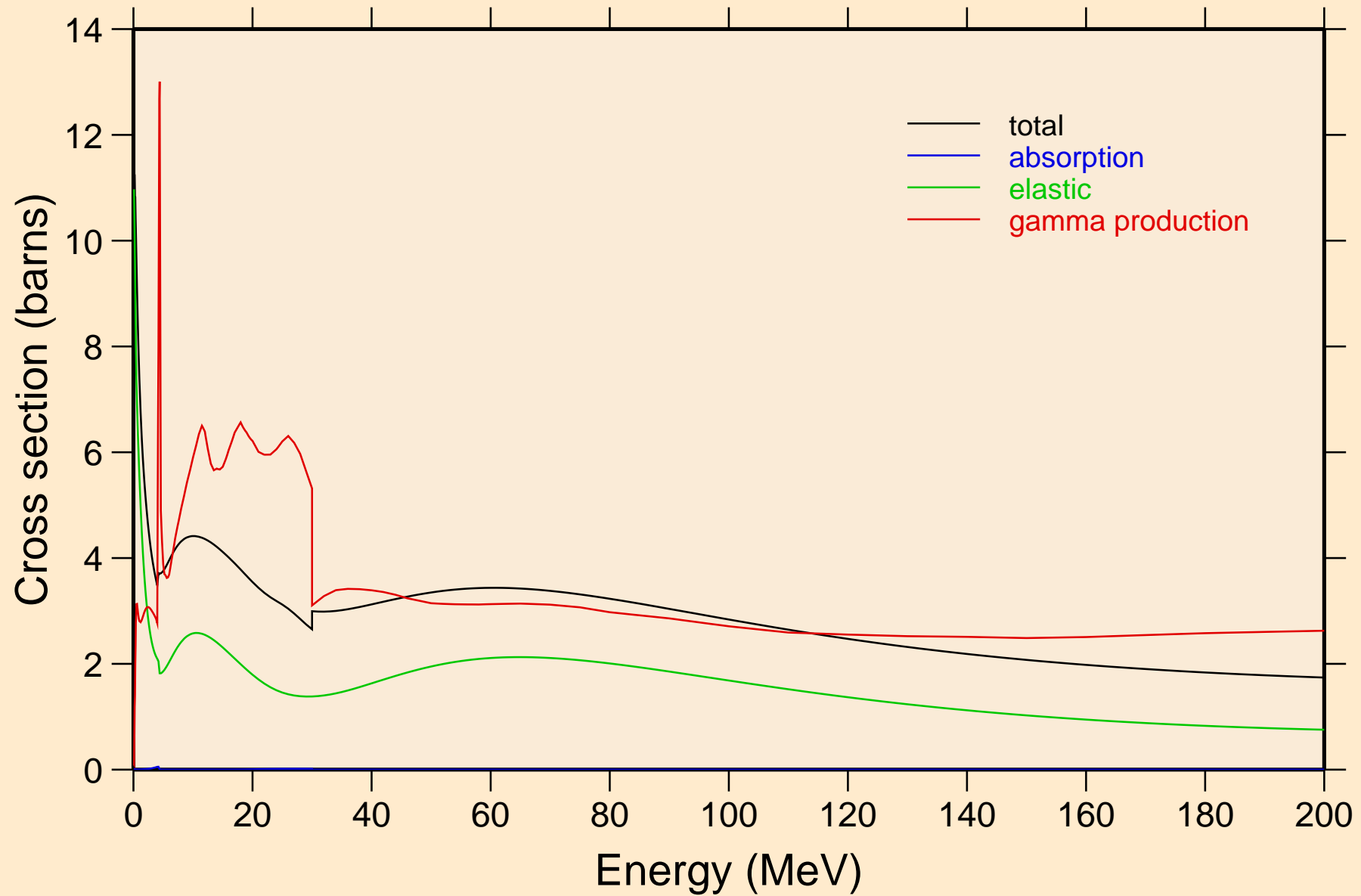
ZR103 NRG TENDL-2015, AKONING  
Non-threshold reactions



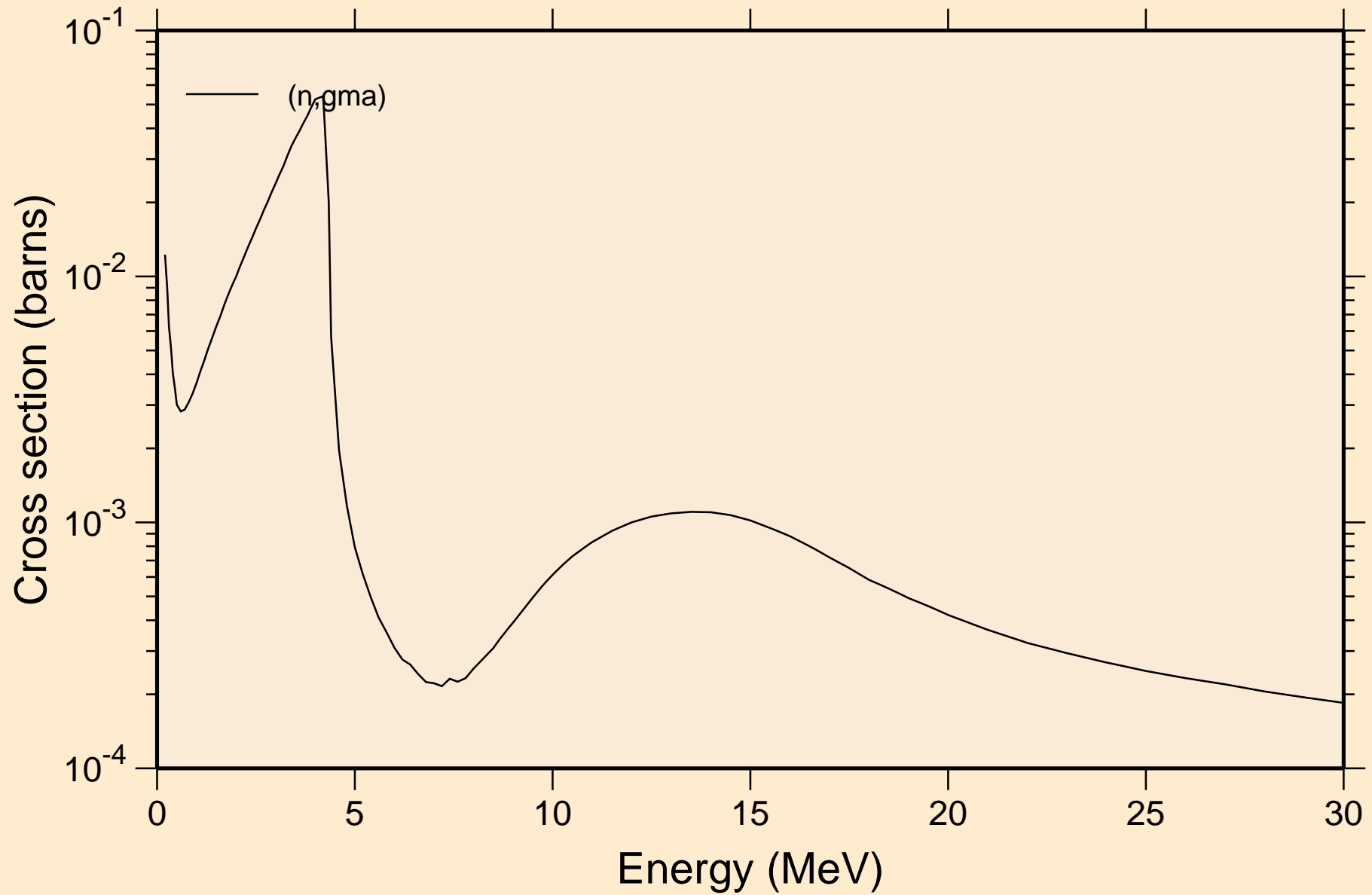


# ZR103 NRG TENDL-2015, AKONING

## Principal cross sections

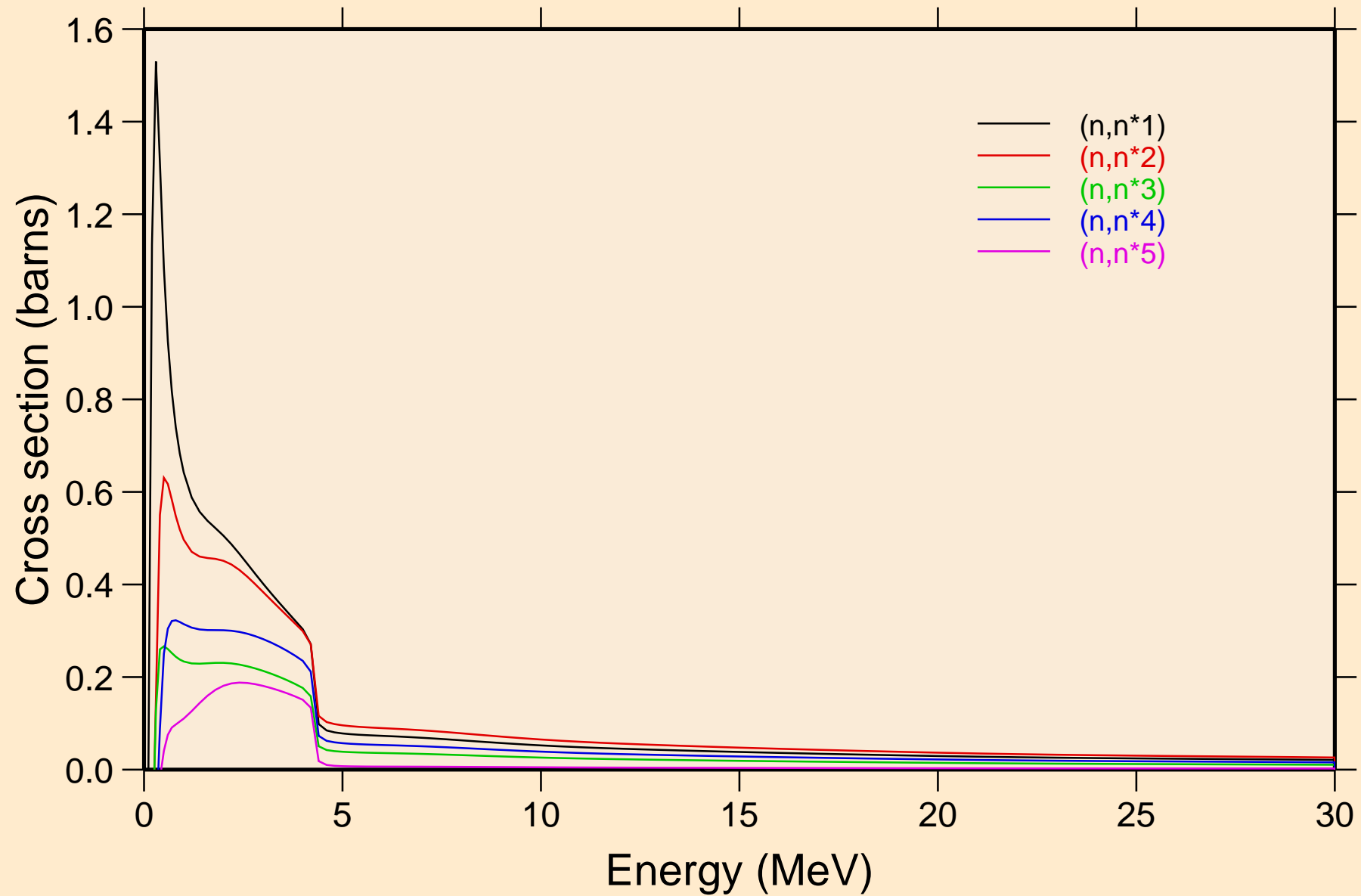


ZR103 NRG TENDL-2015, AKONING  
Non-threshold reactions



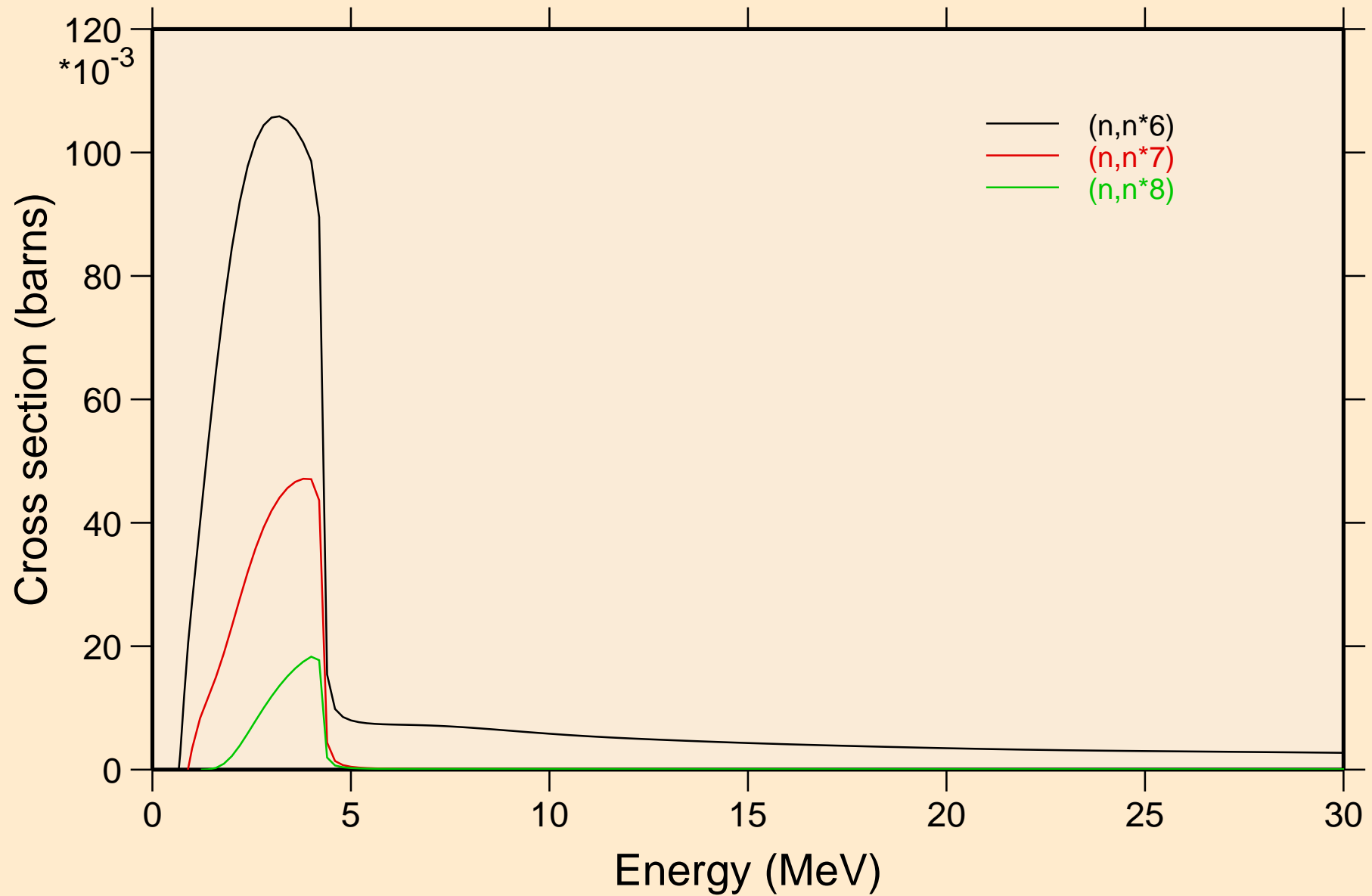
# ZR103 NRG TENDL-2015, AKONING

## Inelastic levels



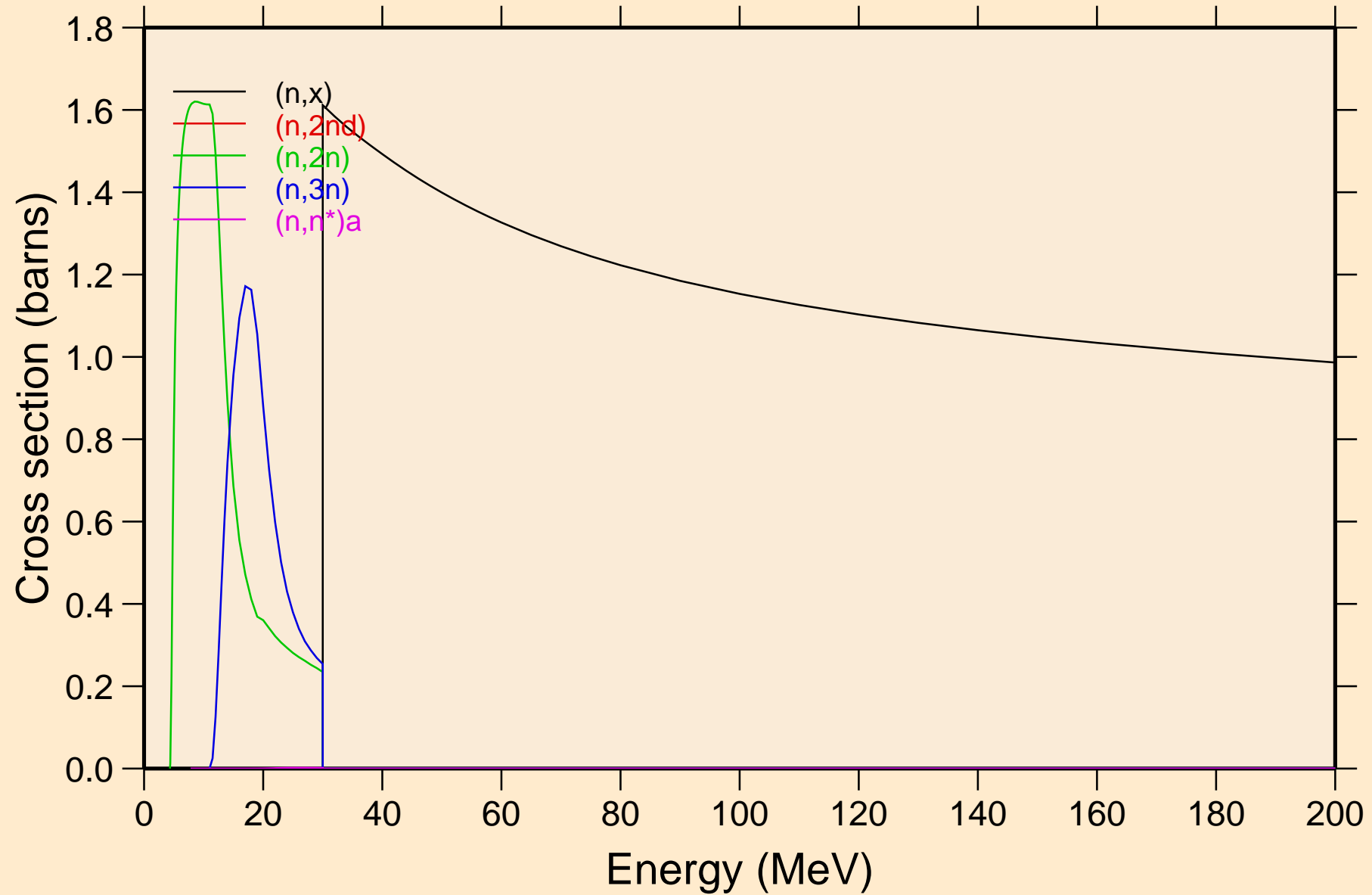
# ZR103 NRG TENDL-2015, AKONING

## Inelastic levels



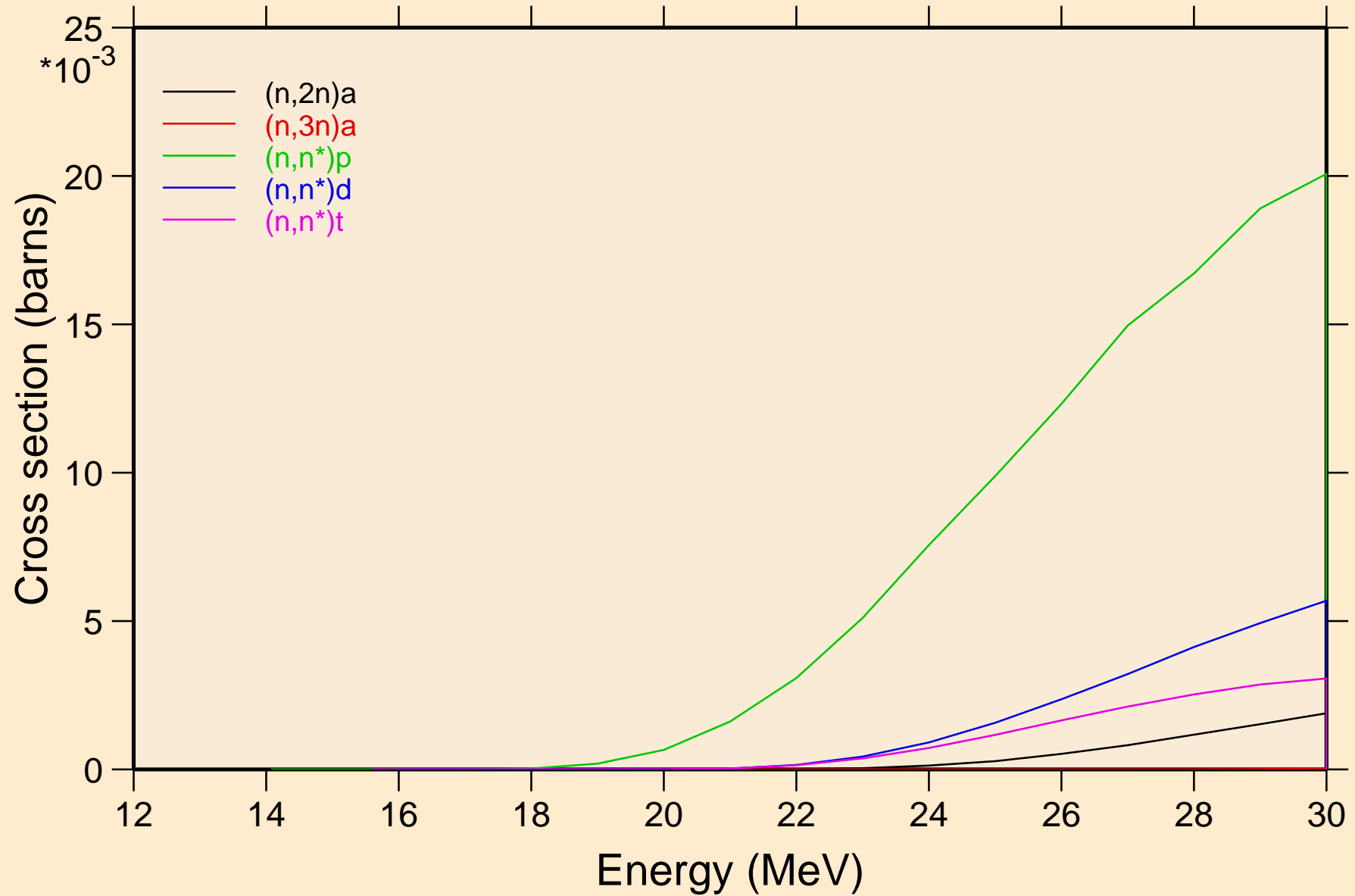
# ZR103 NRG TENDL-2015, AKONING

## Threshold reactions



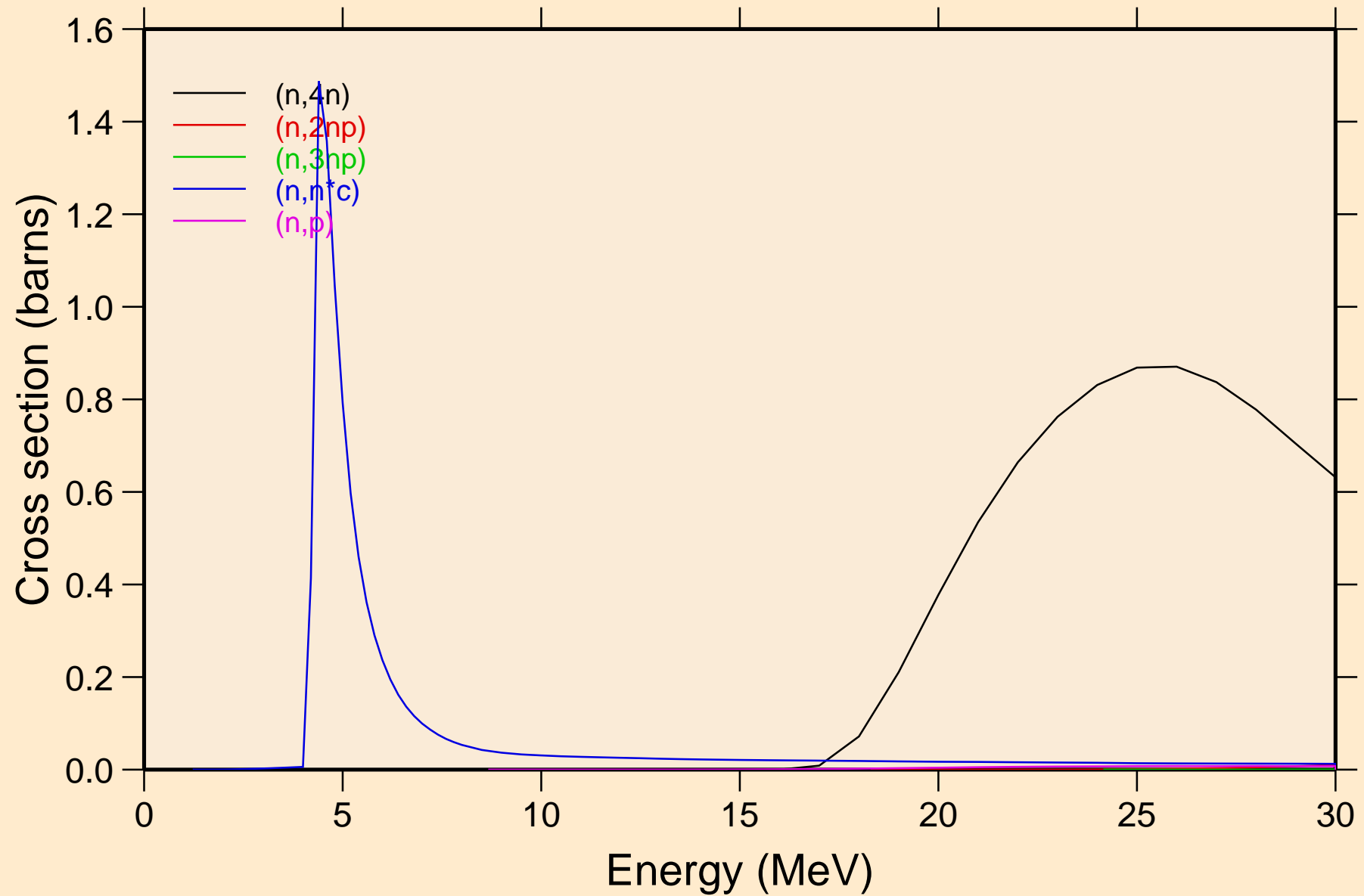
# ZR103 NRG TENDL-2015, AKONING

## Threshold reactions



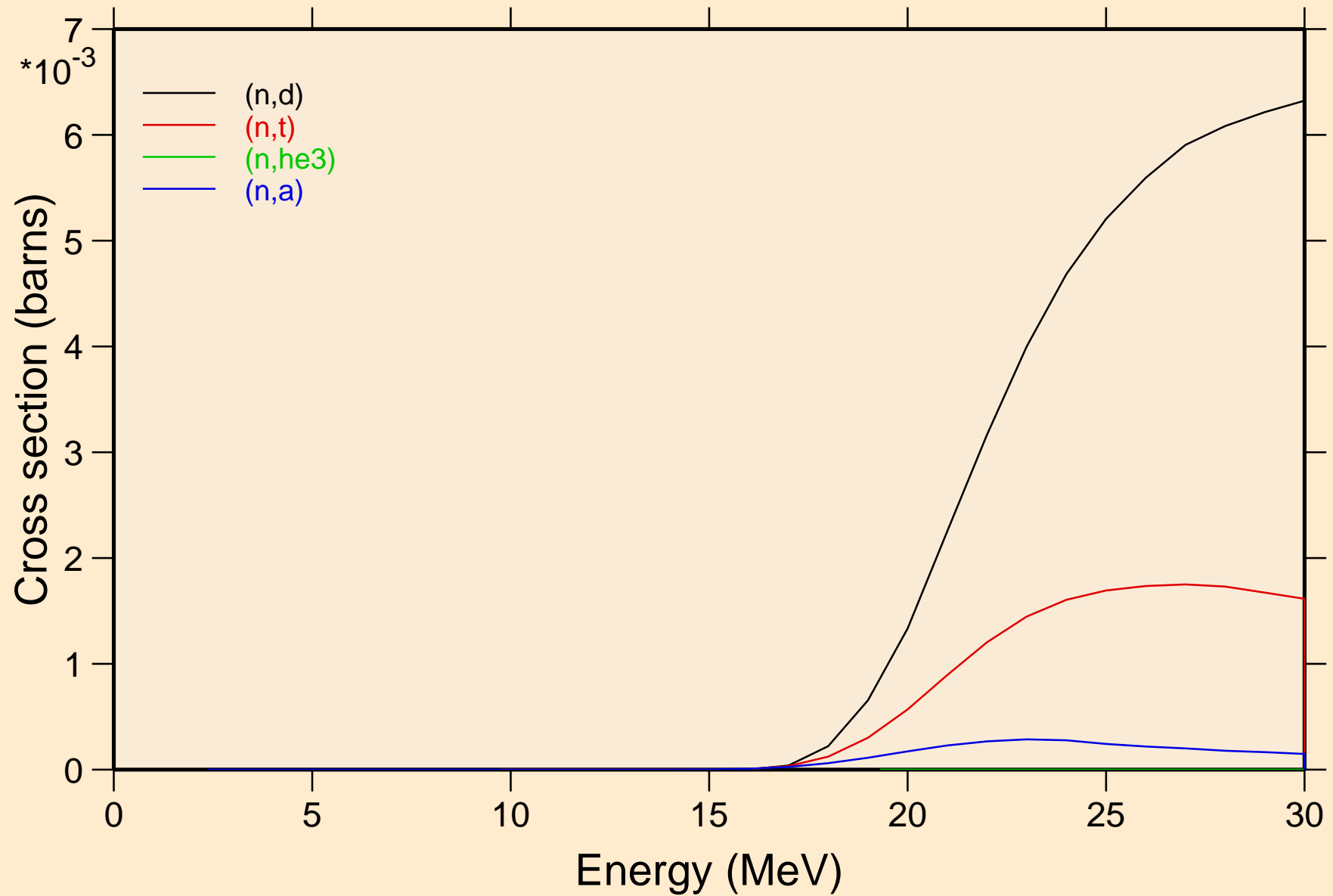
# ZR103 NRG TENDL-2015, AKONING

## Threshold reactions



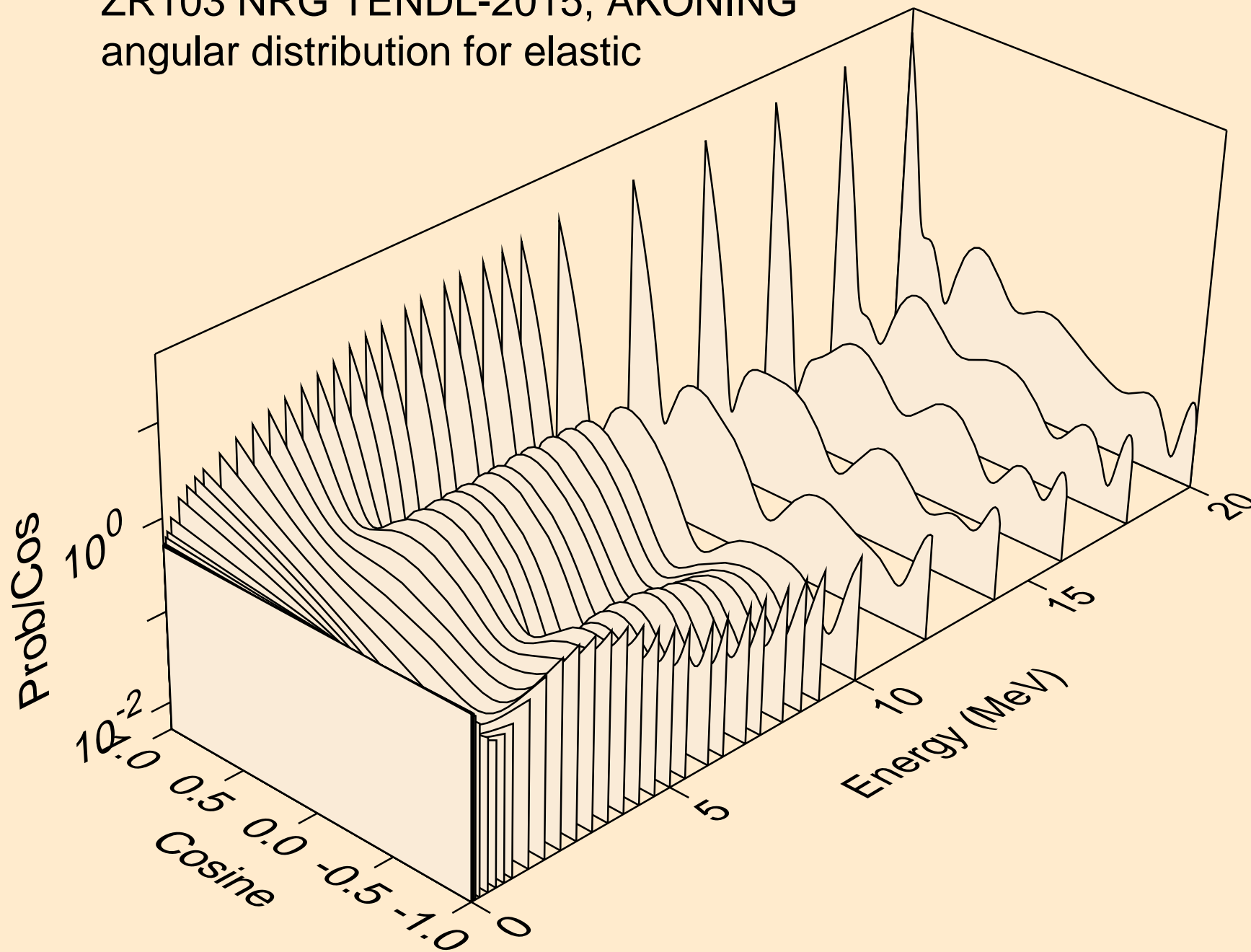
# ZR103 NRG TENDL-2015, AKONING

## Threshold reactions

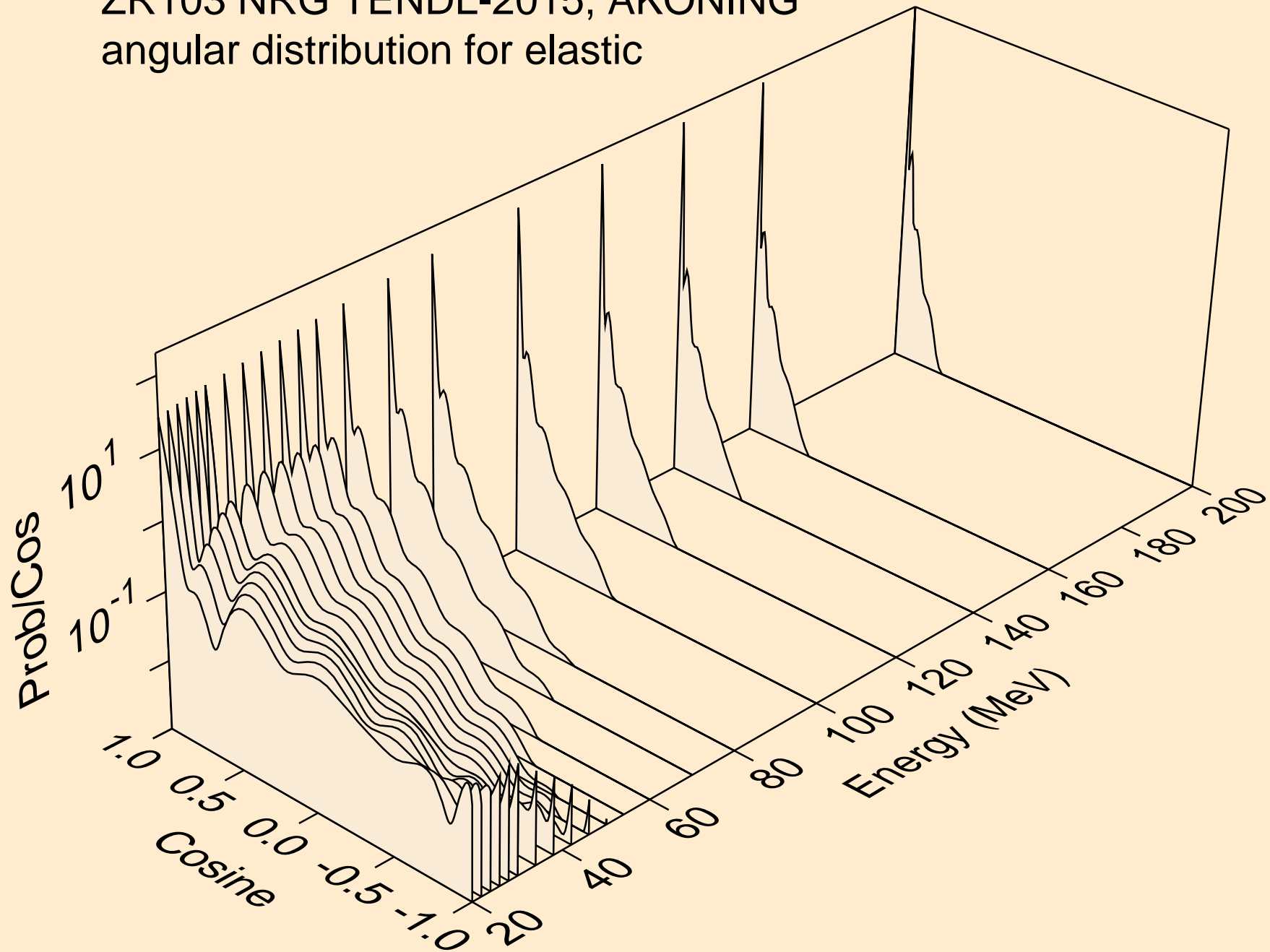




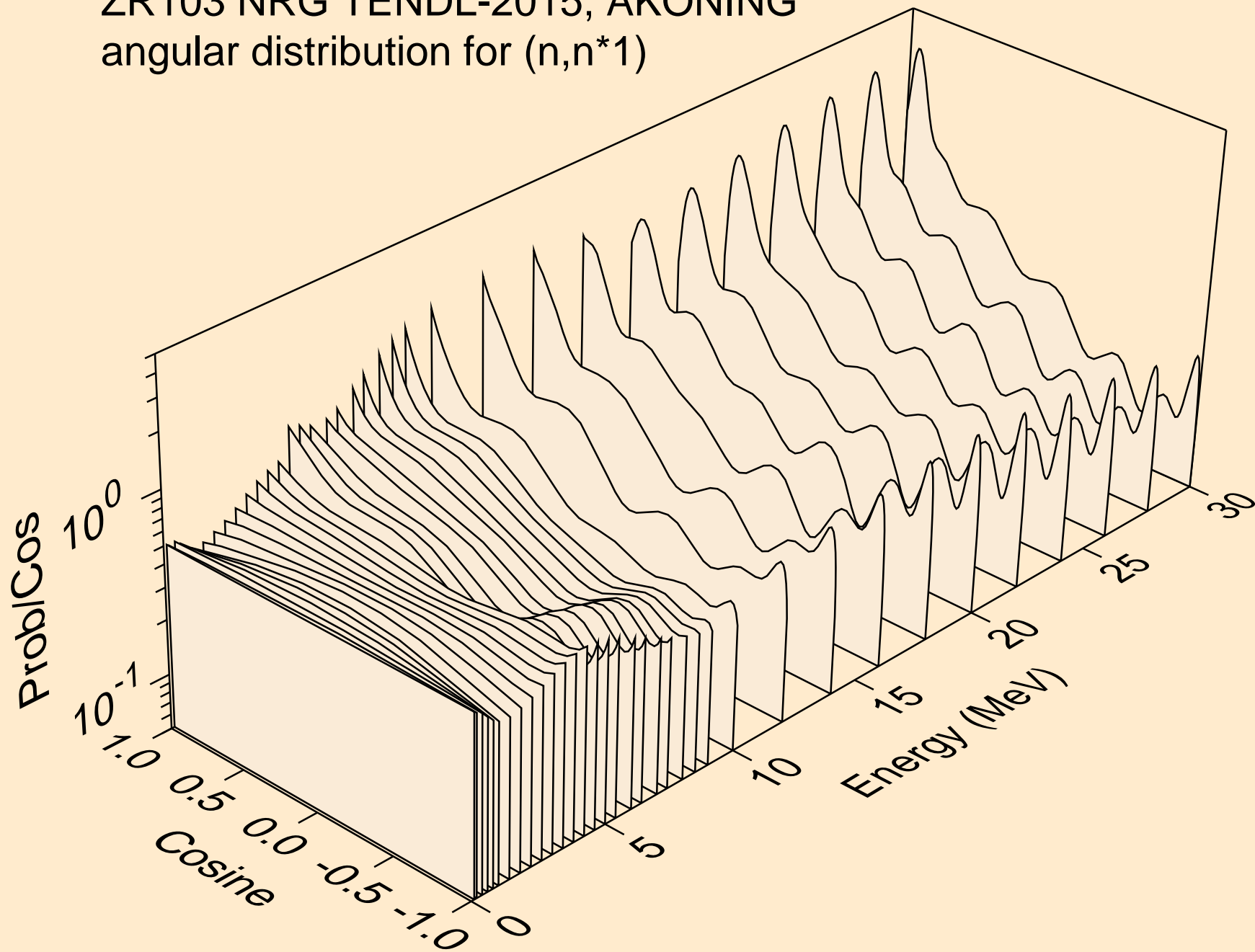
ZR103 NRG TENDL-2015, AKONING  
angular distribution for elastic



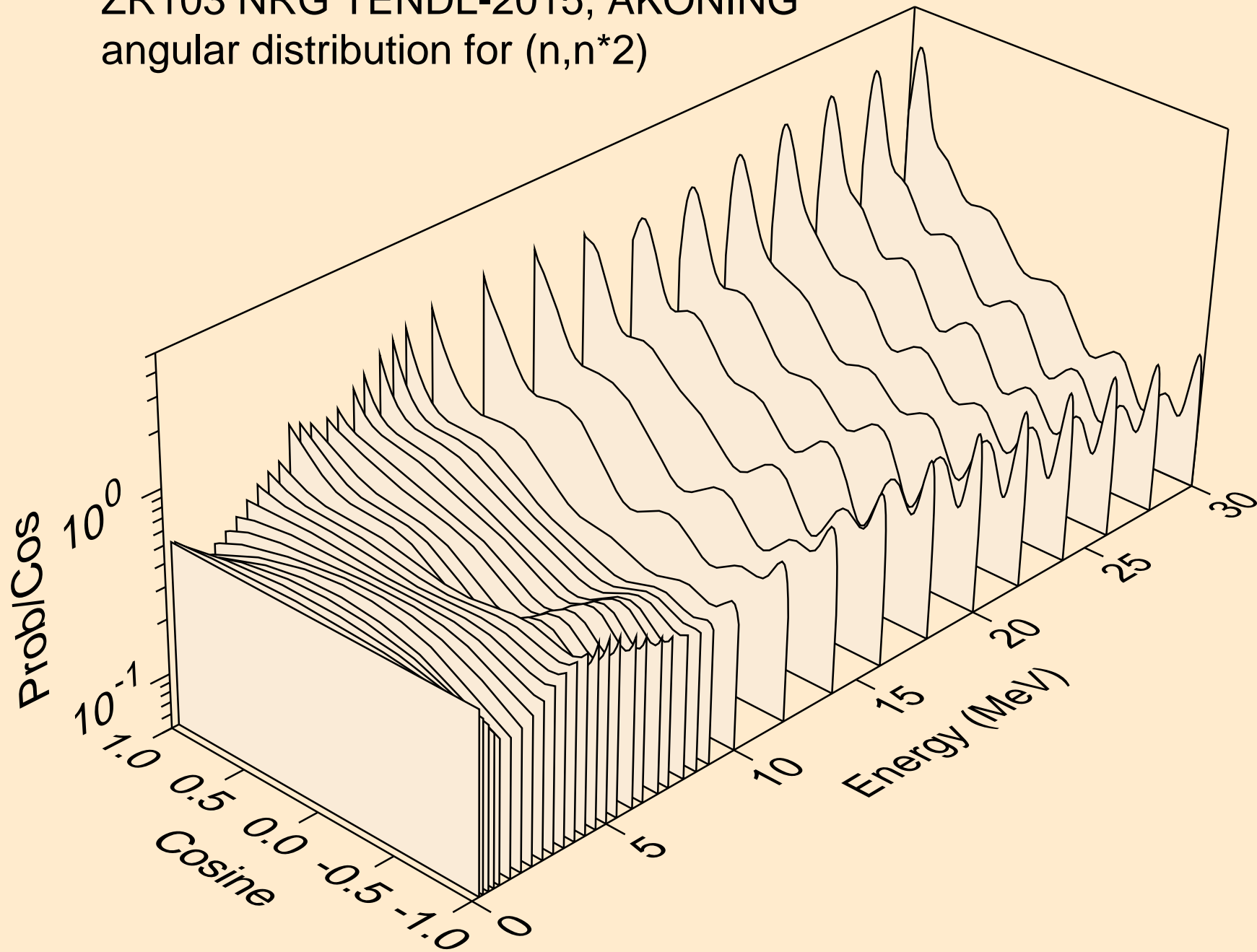
ZR103 NRG TENDL-2015, AKONING  
angular distribution for elastic



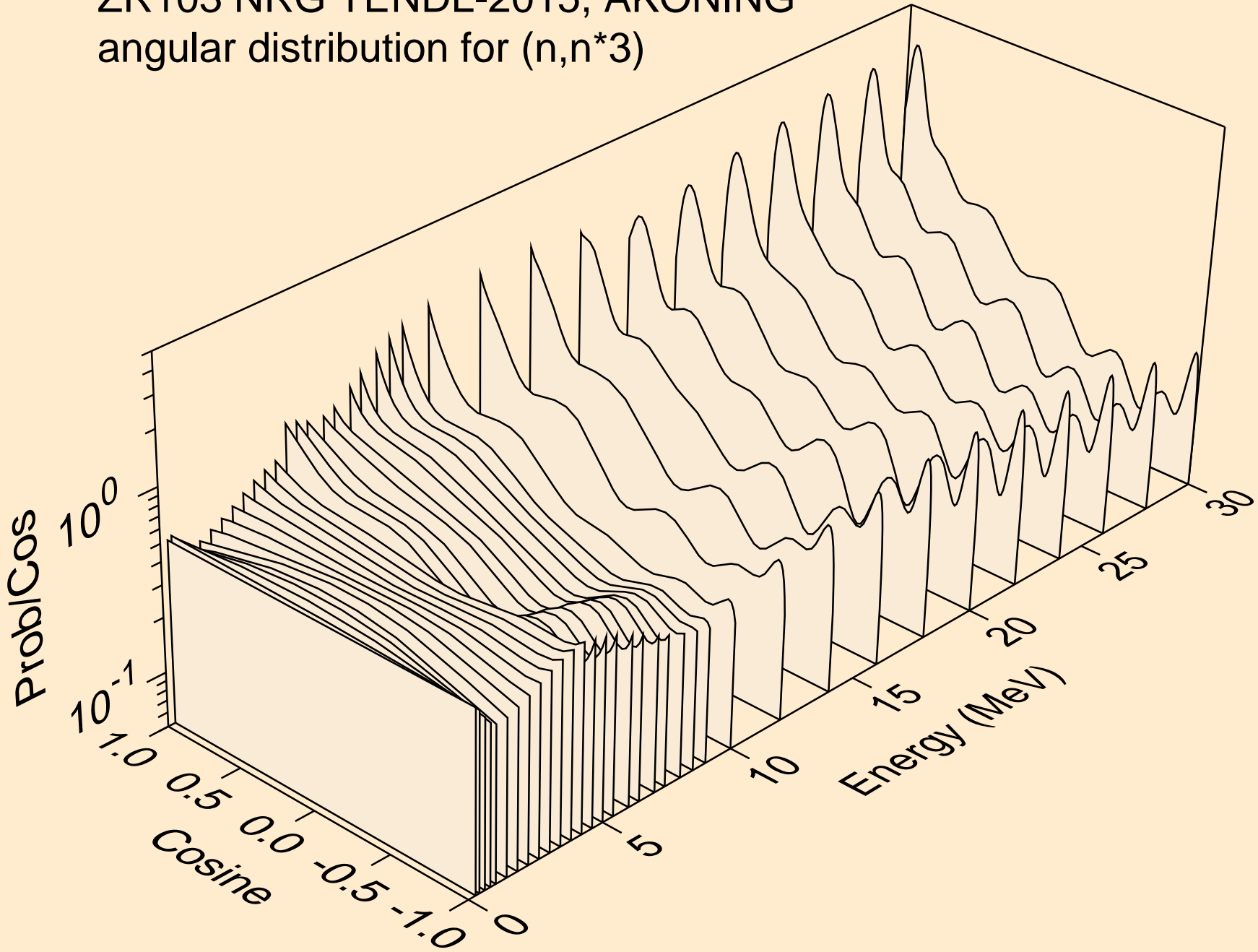
ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



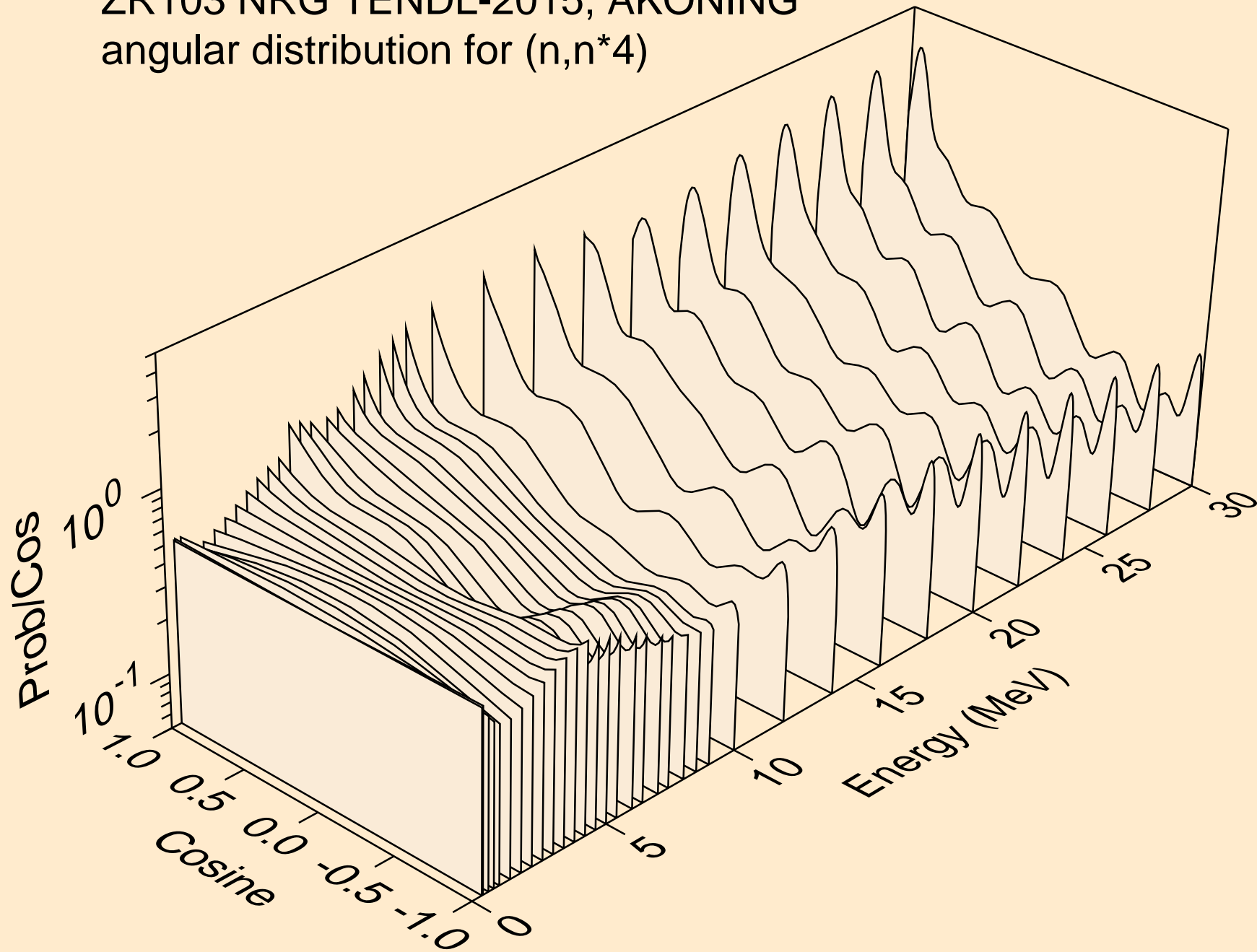
ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



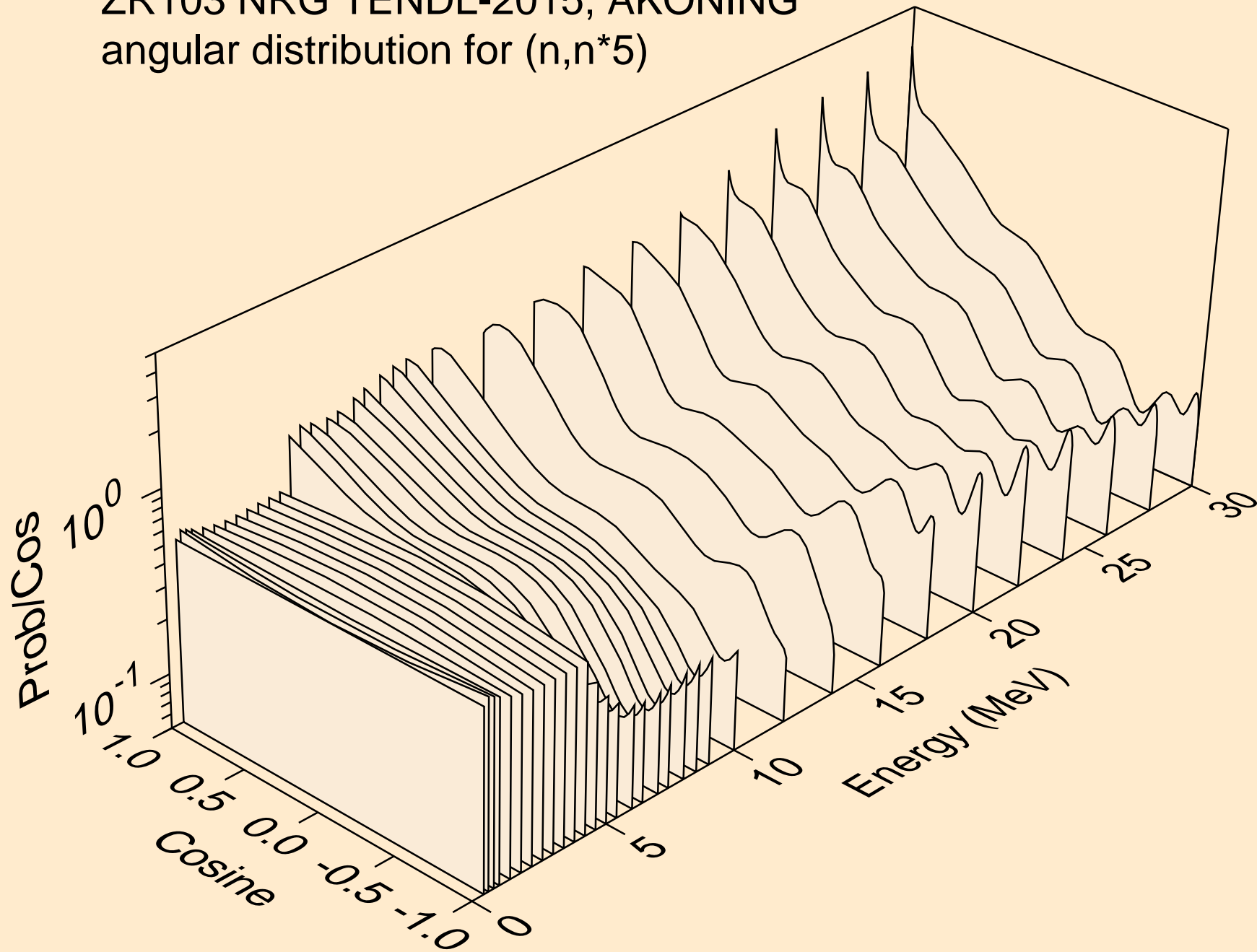
ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



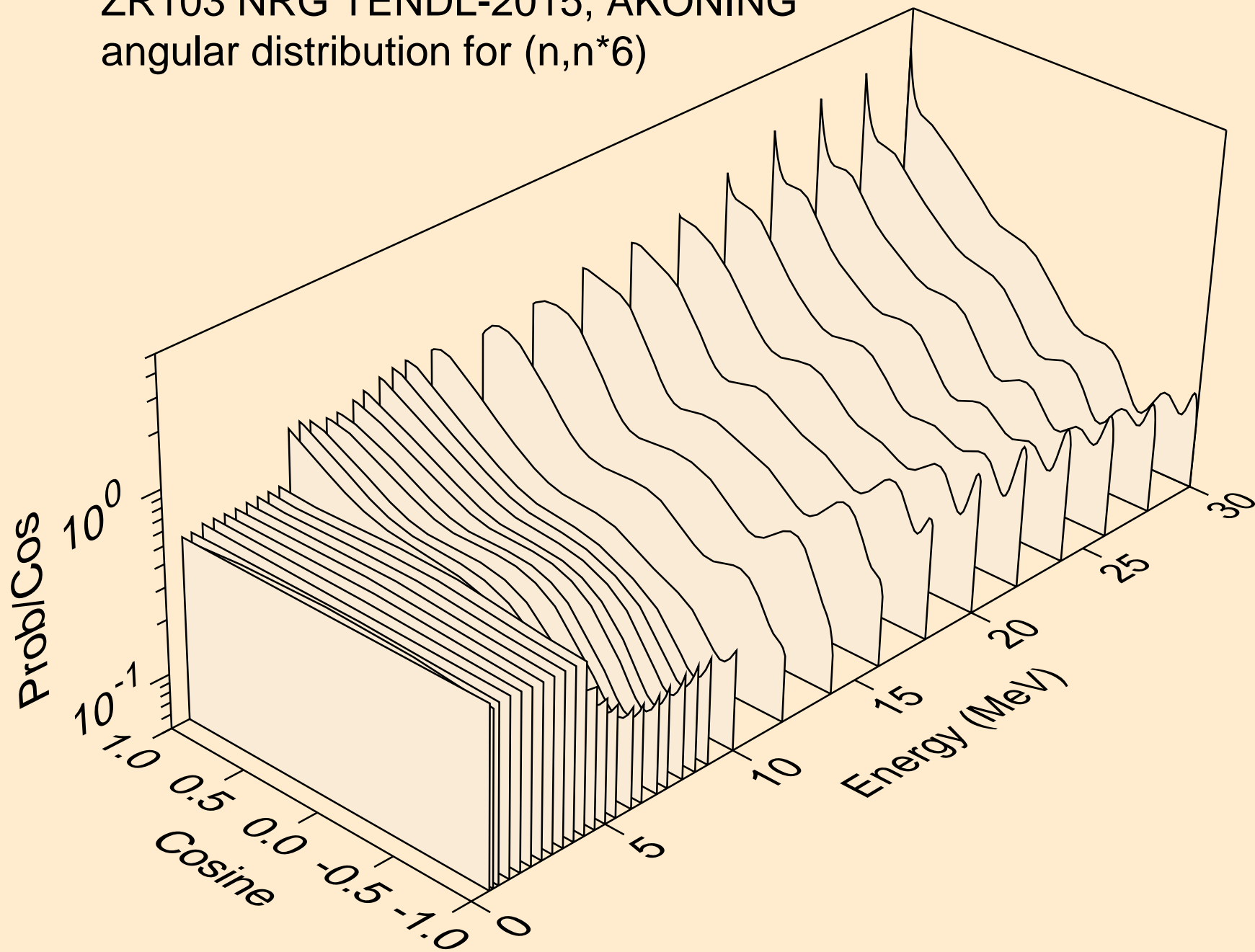
ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

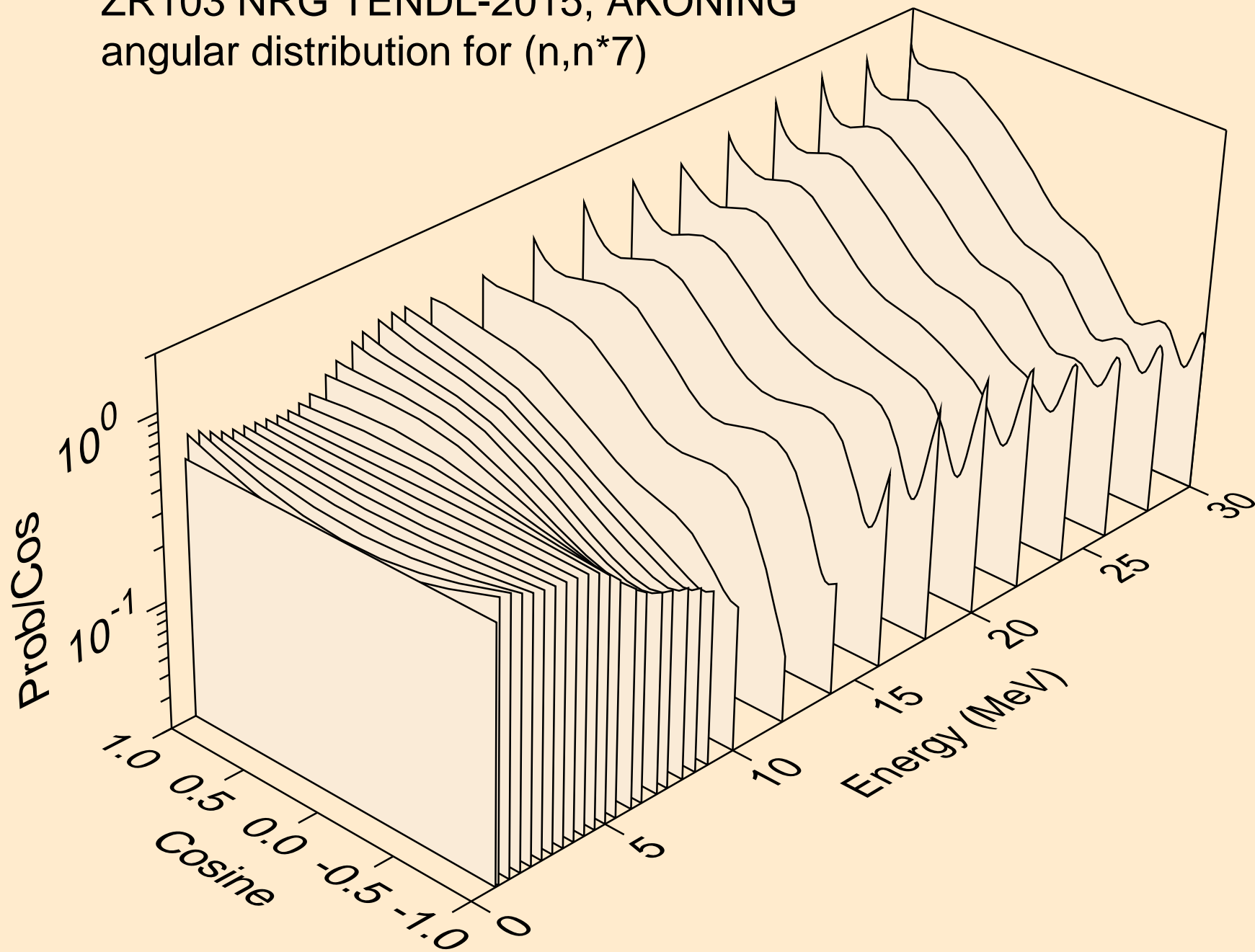


ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

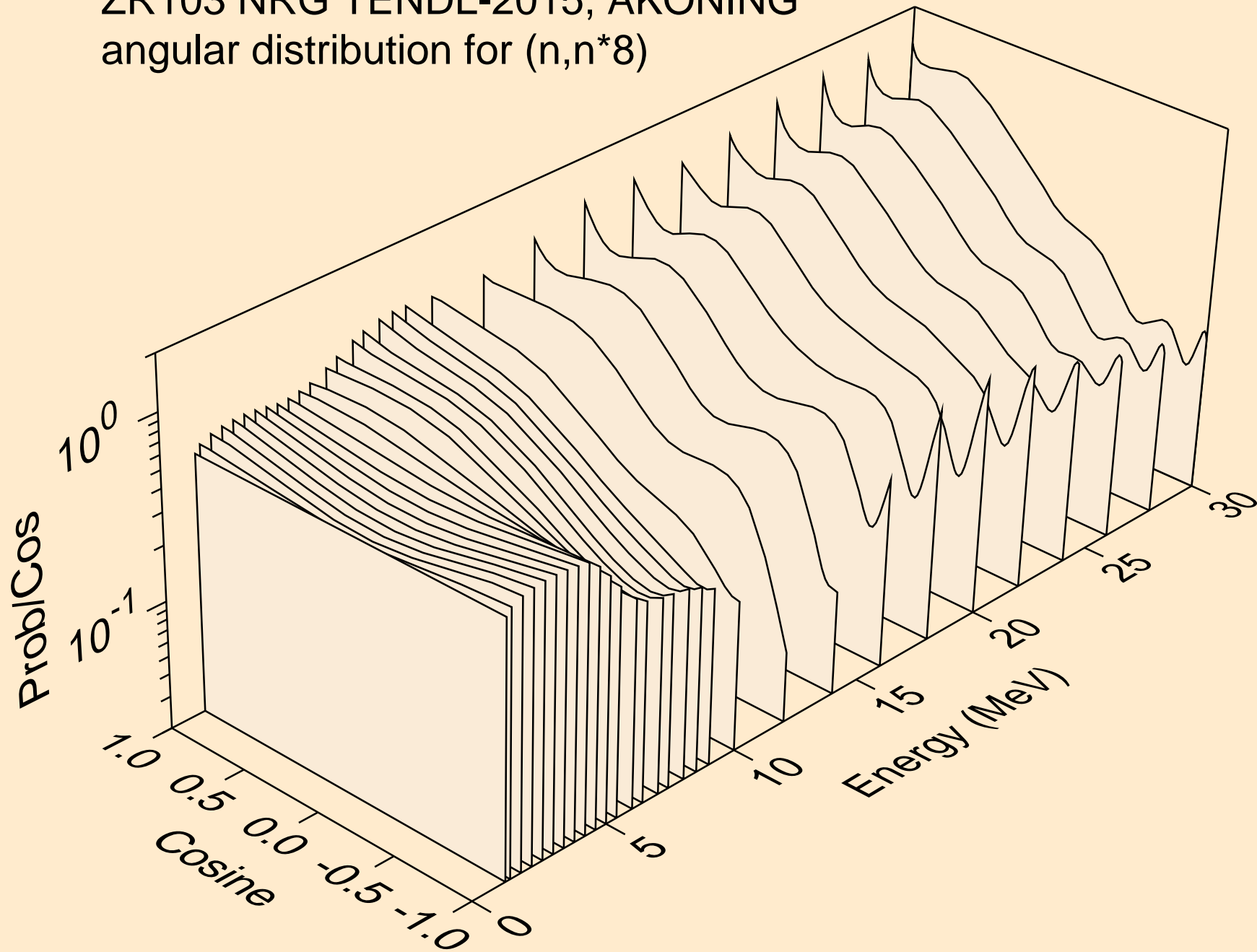




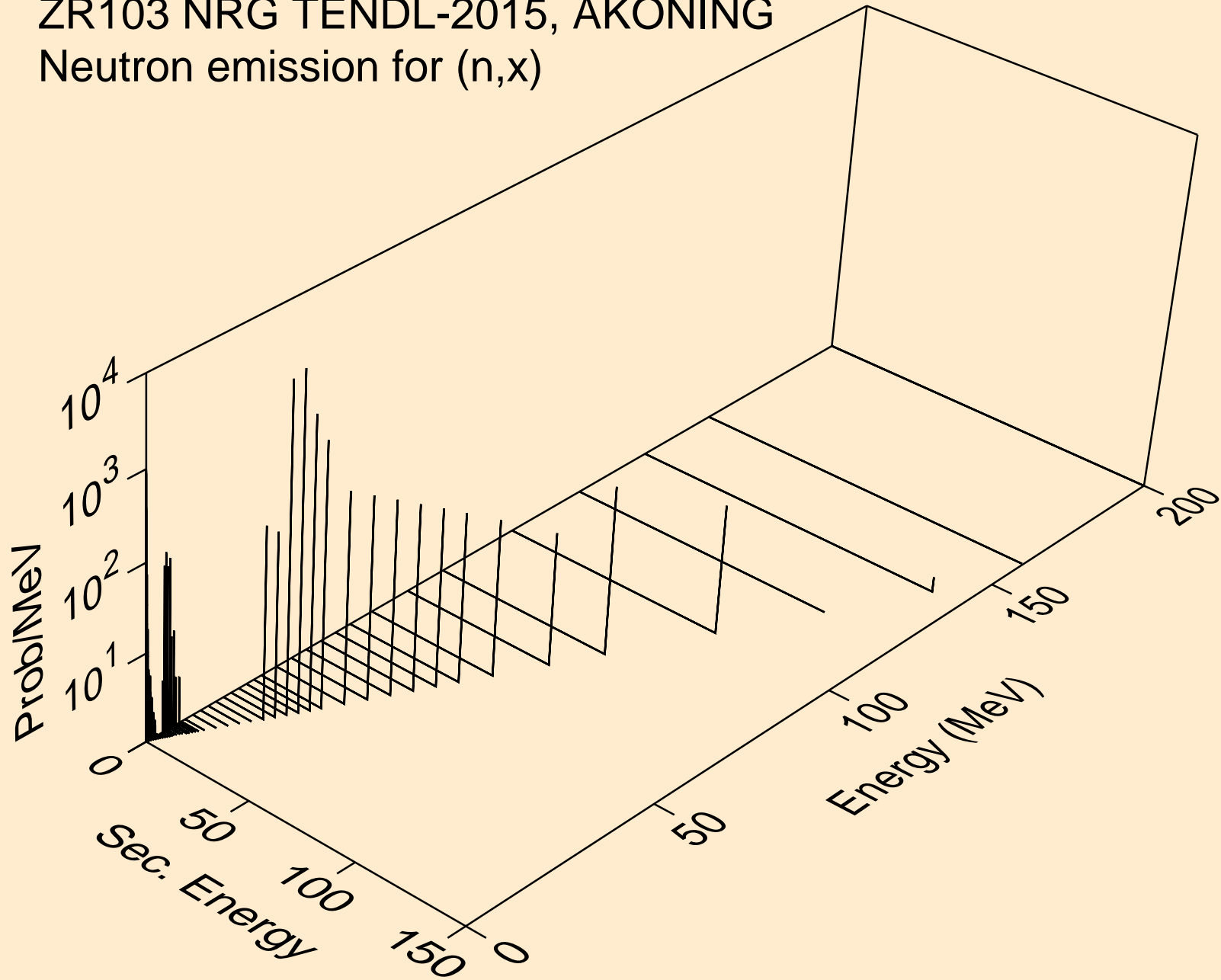
ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



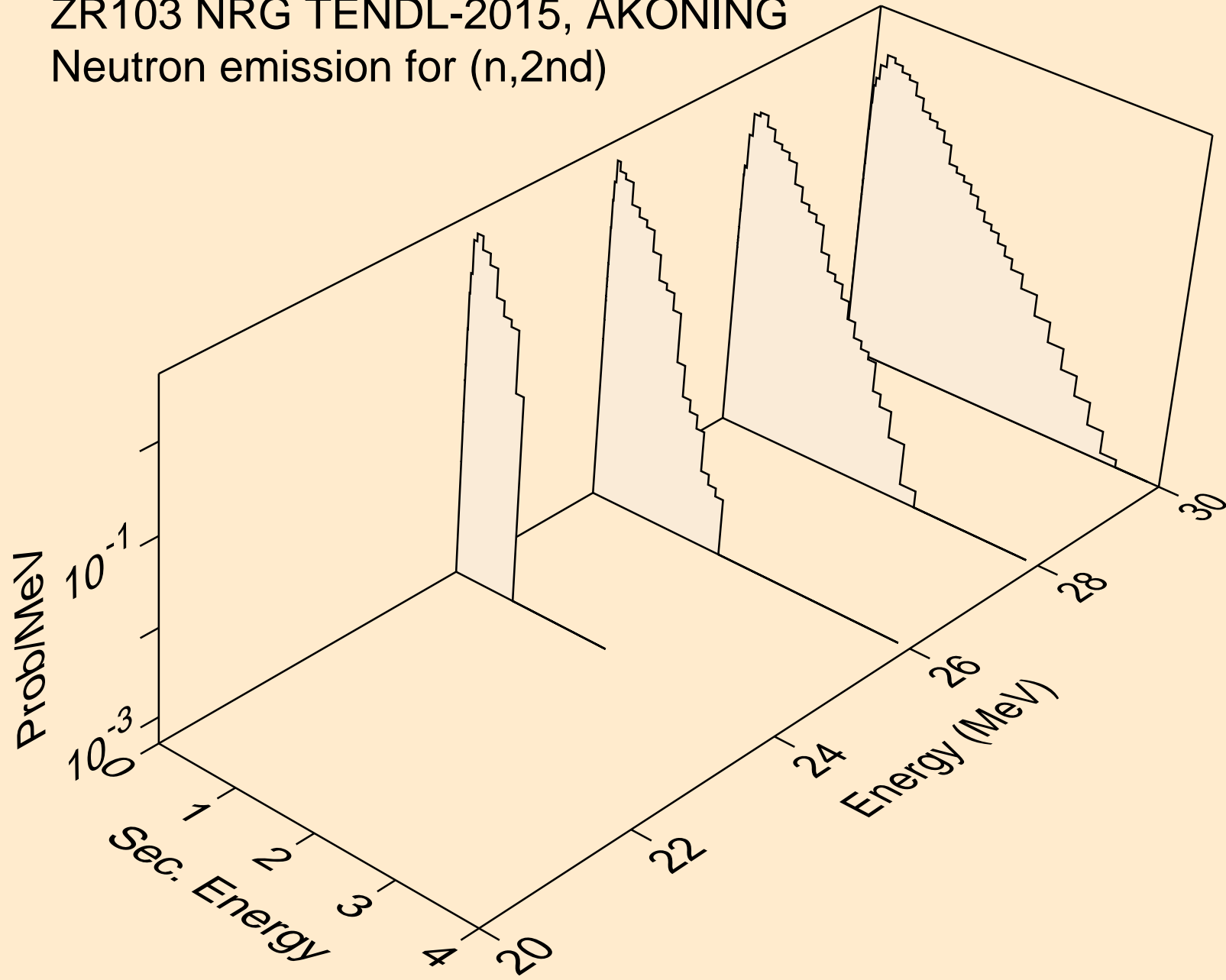
ZR103 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



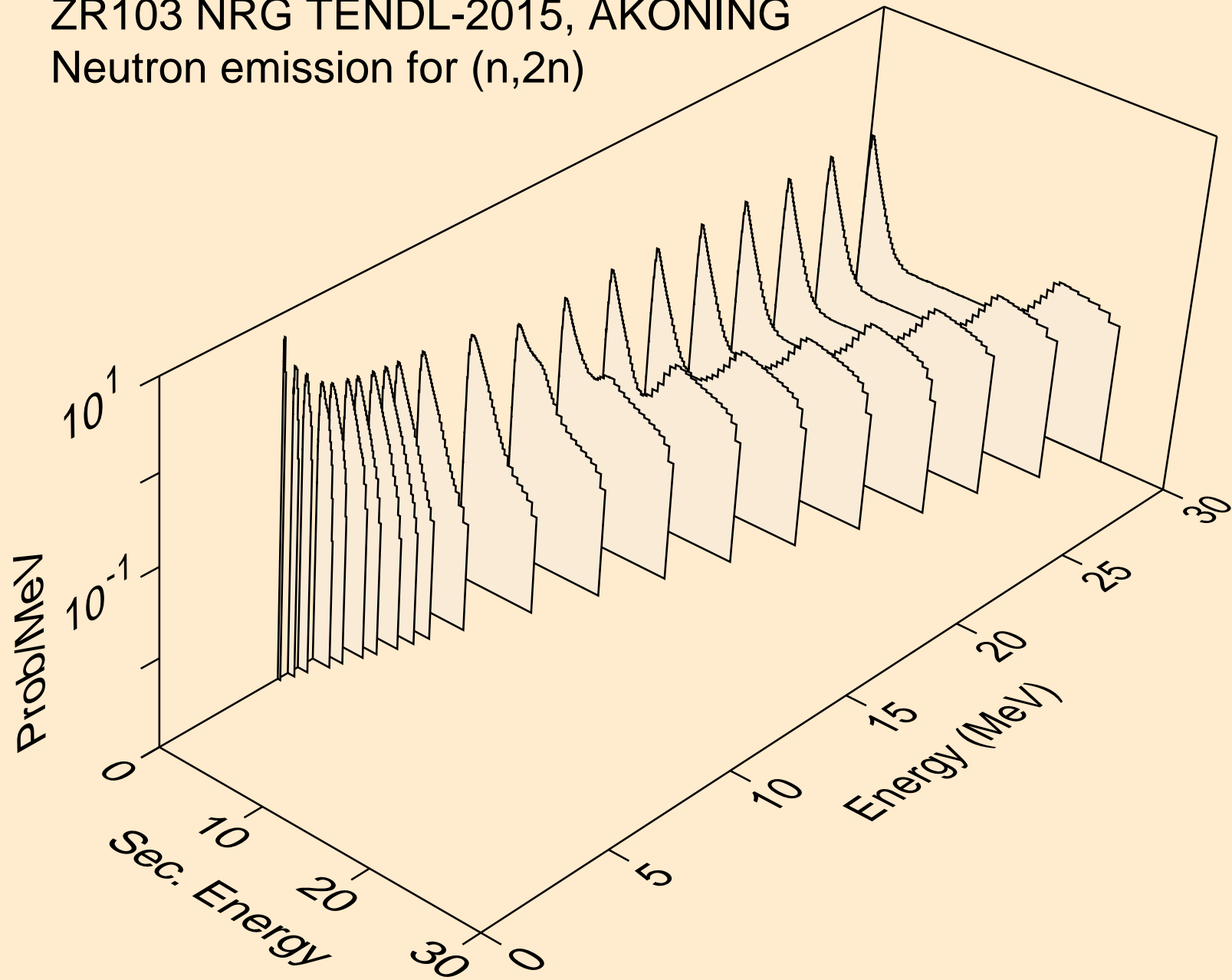
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



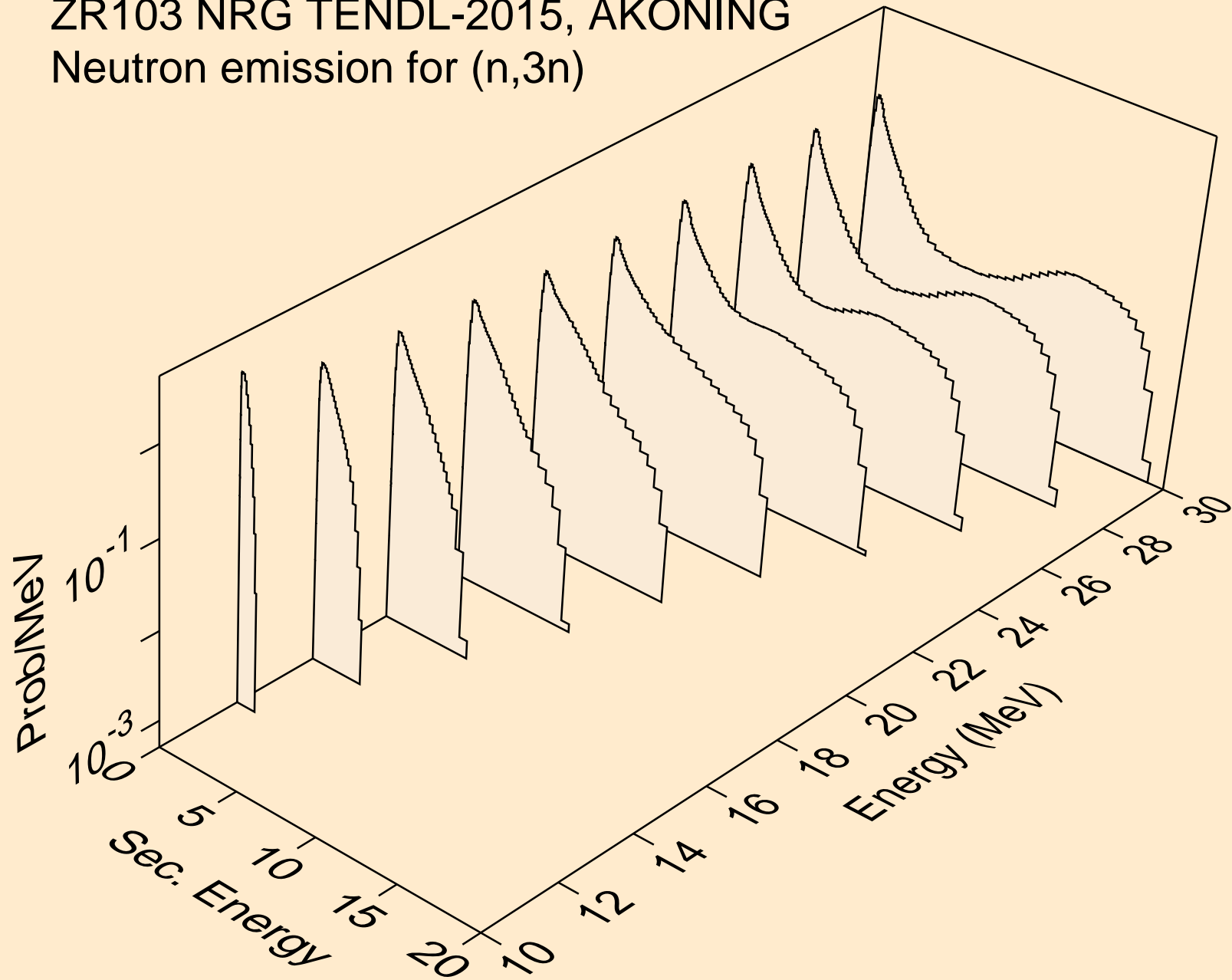
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



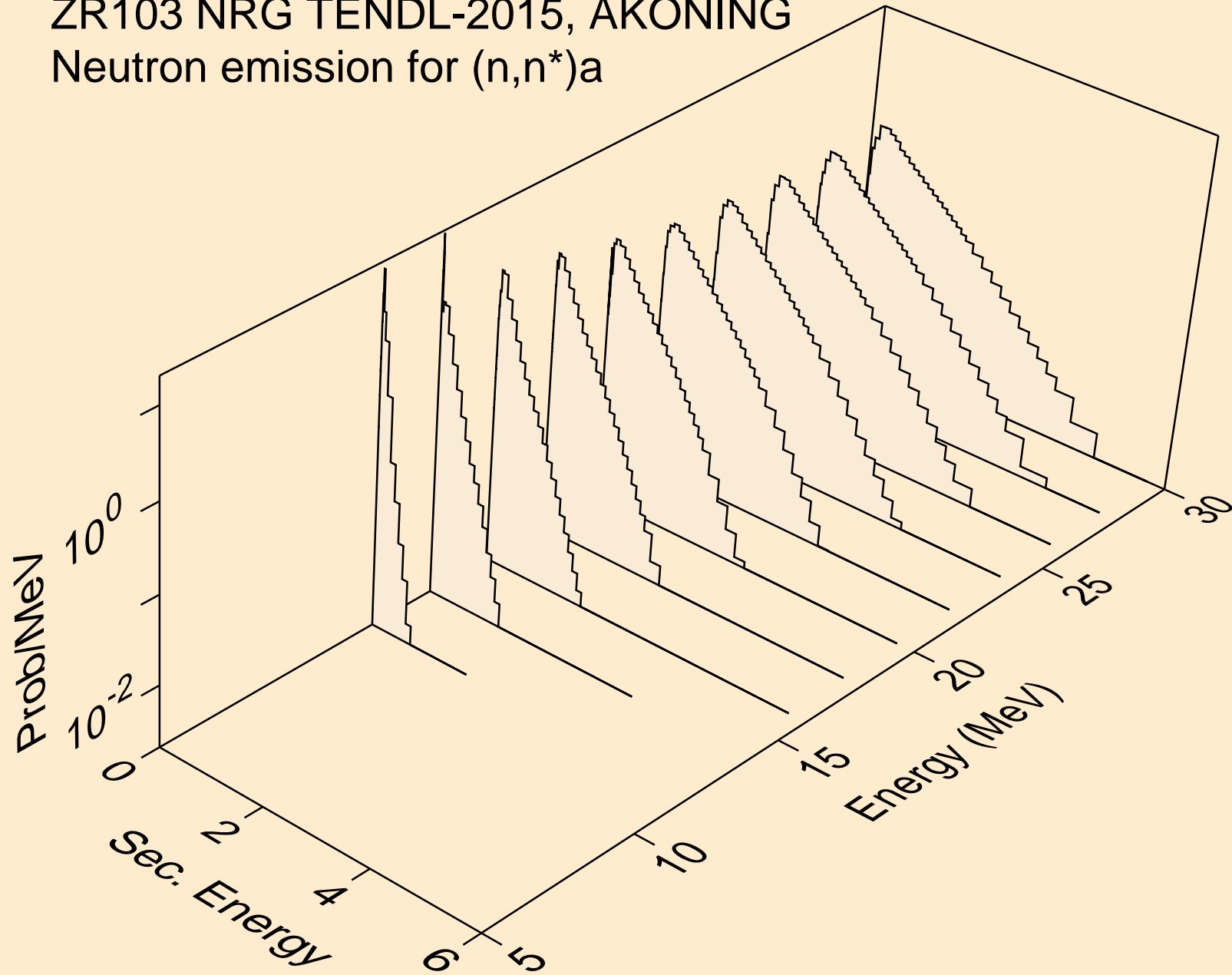
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



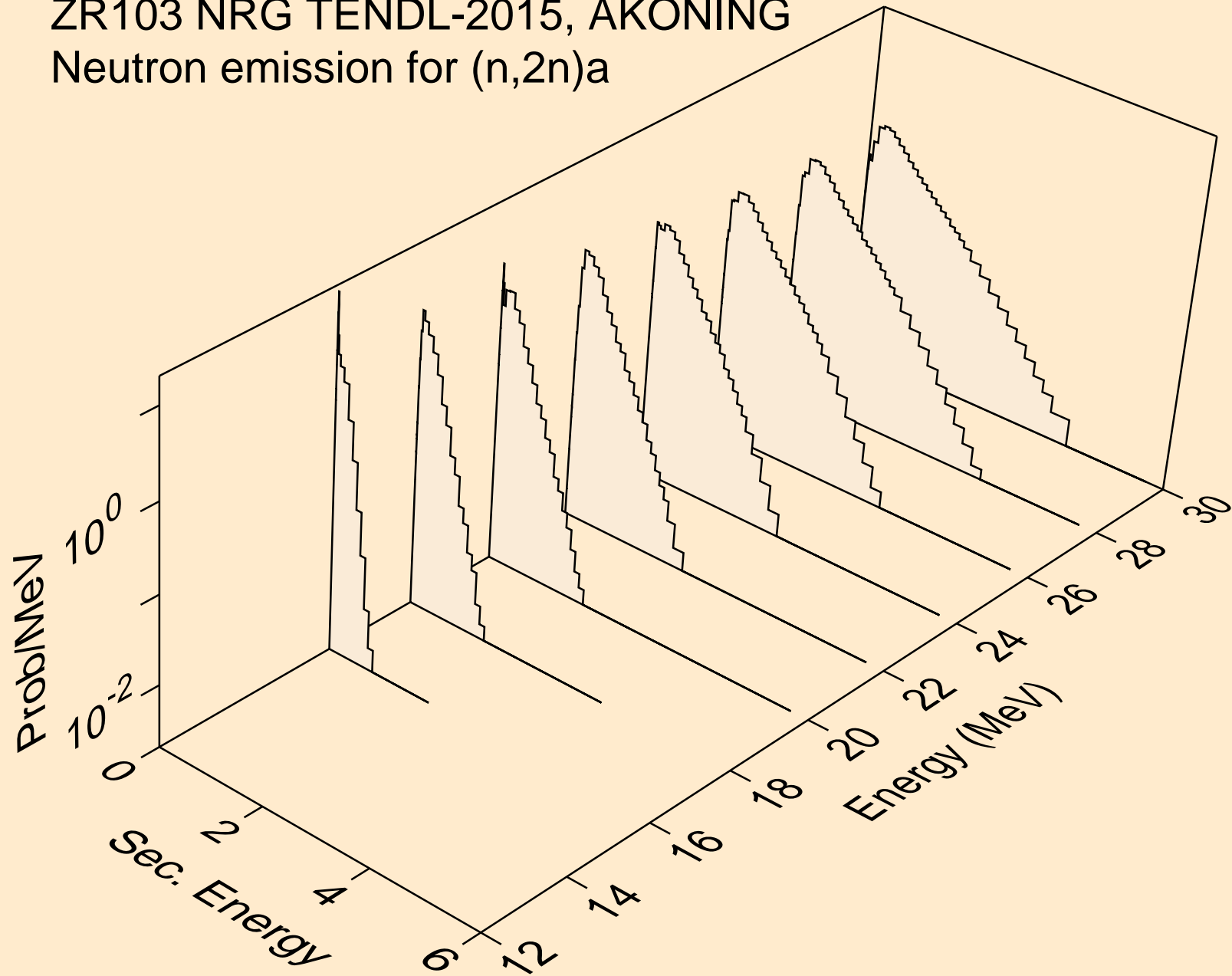
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

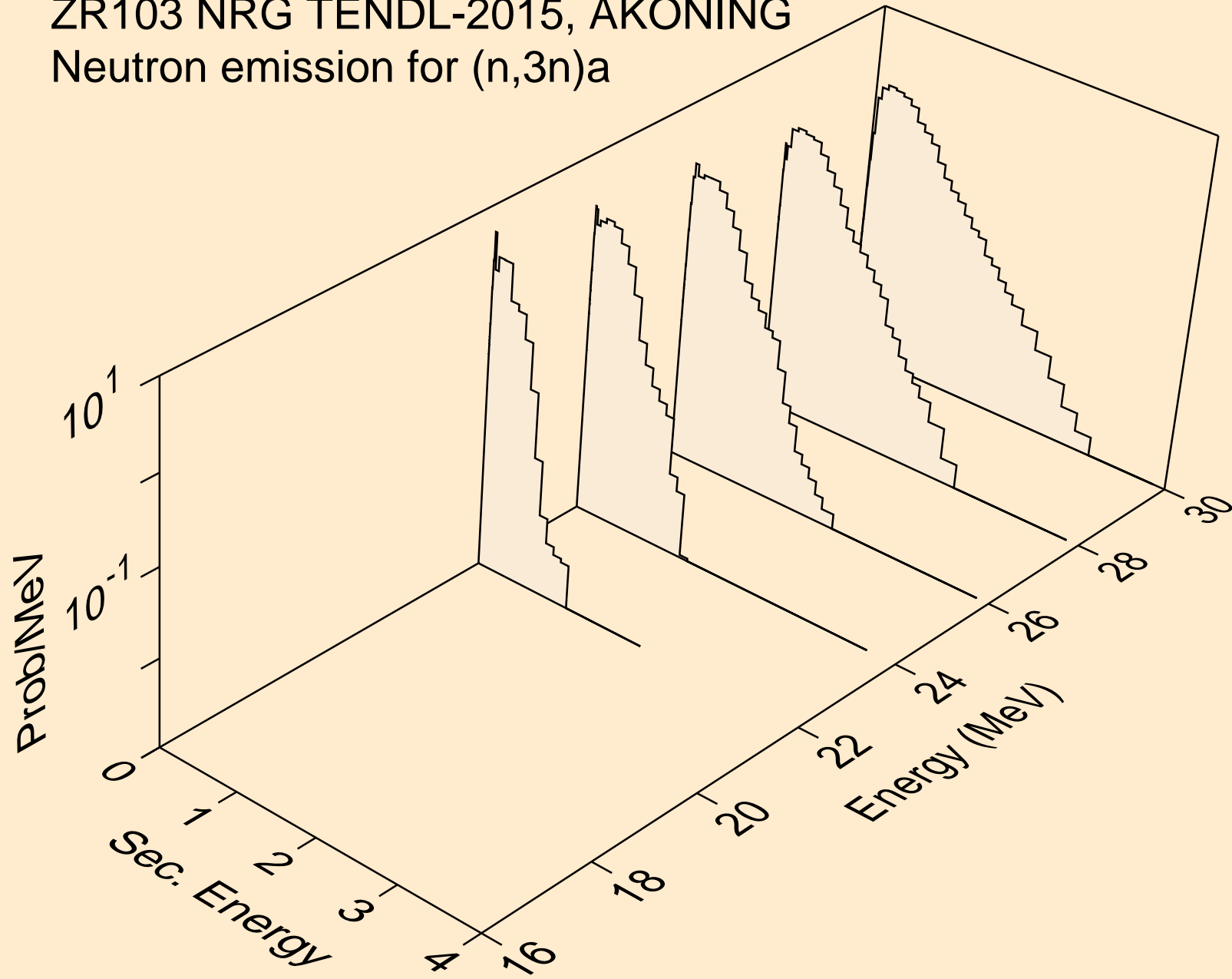


ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

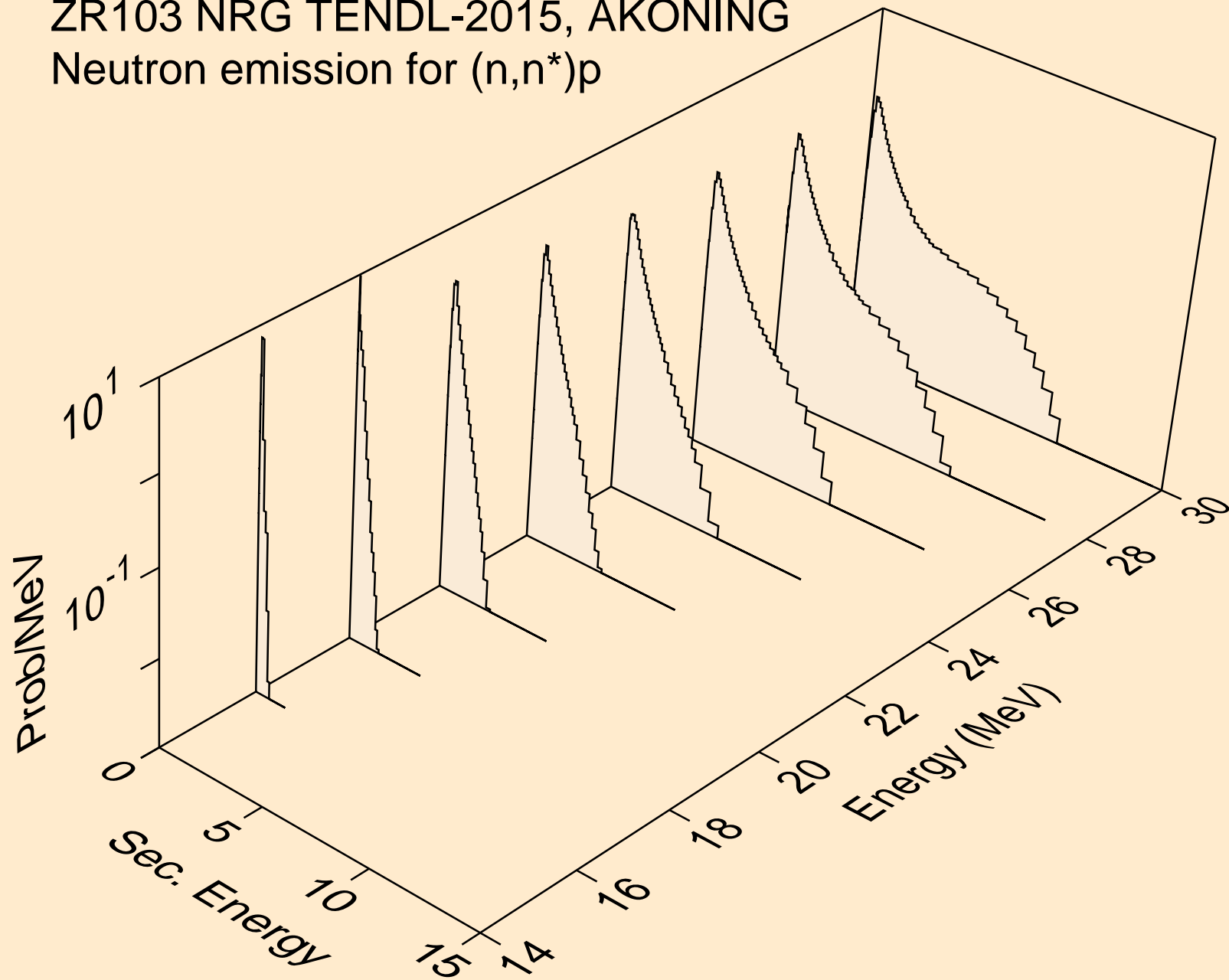




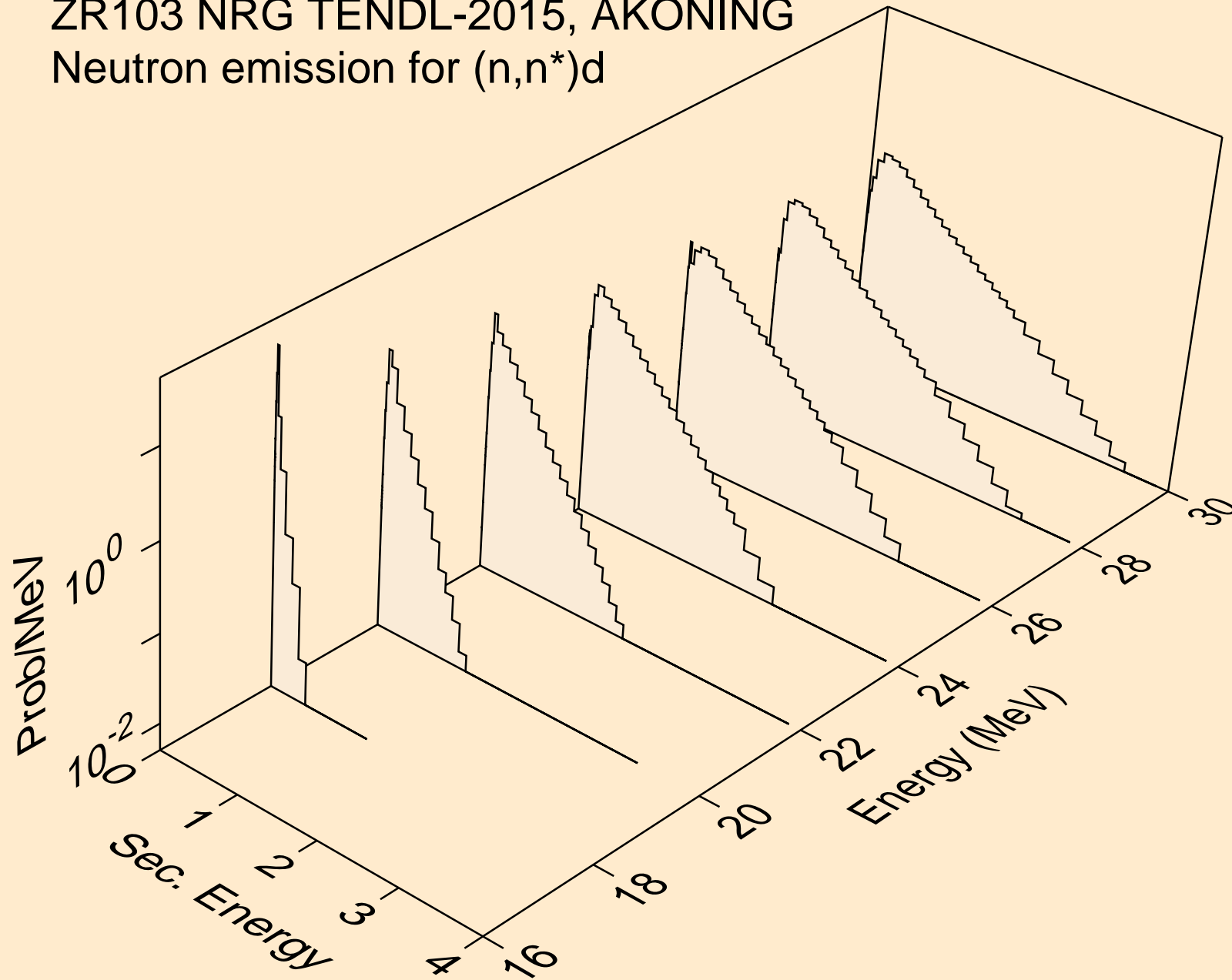
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



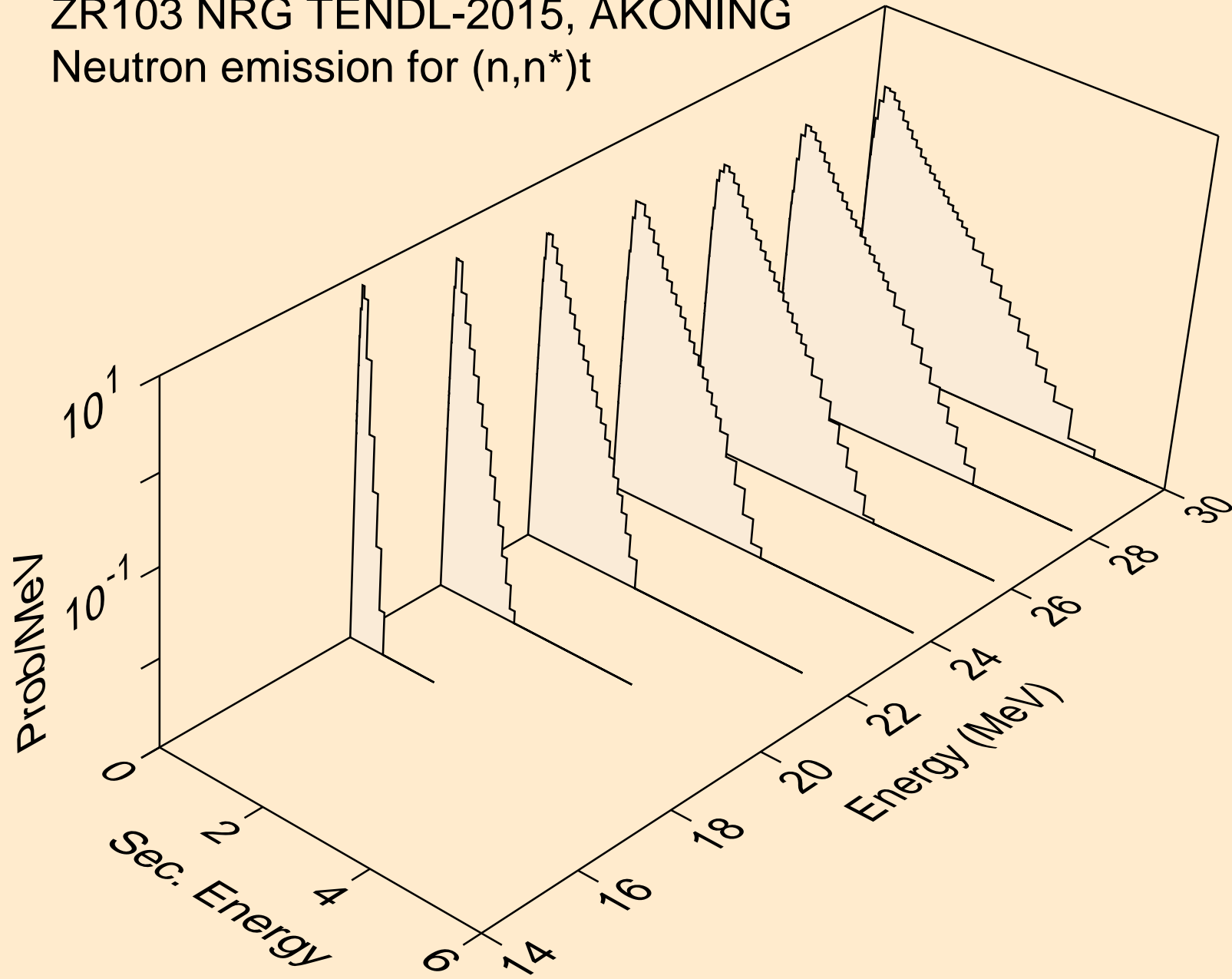
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



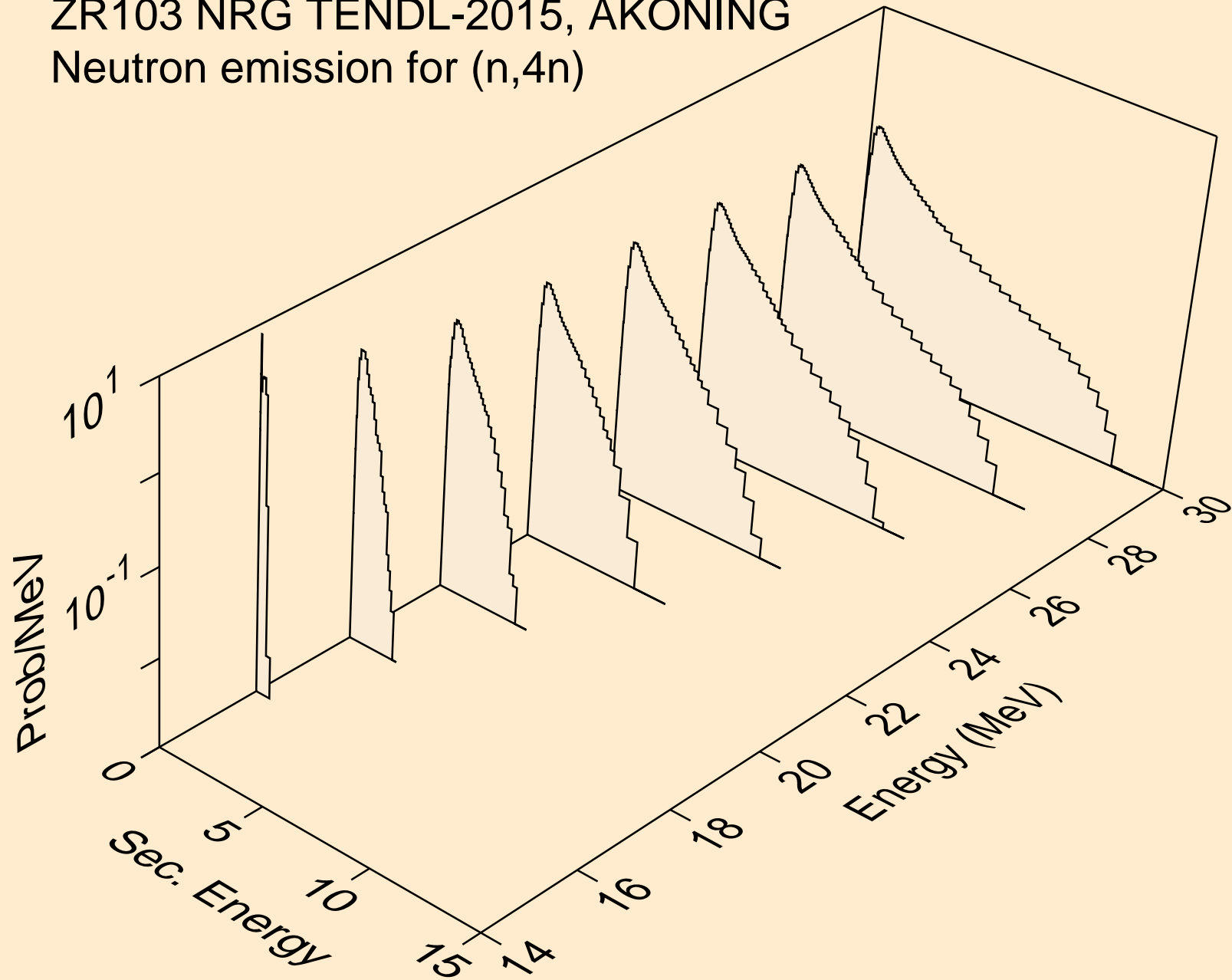
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



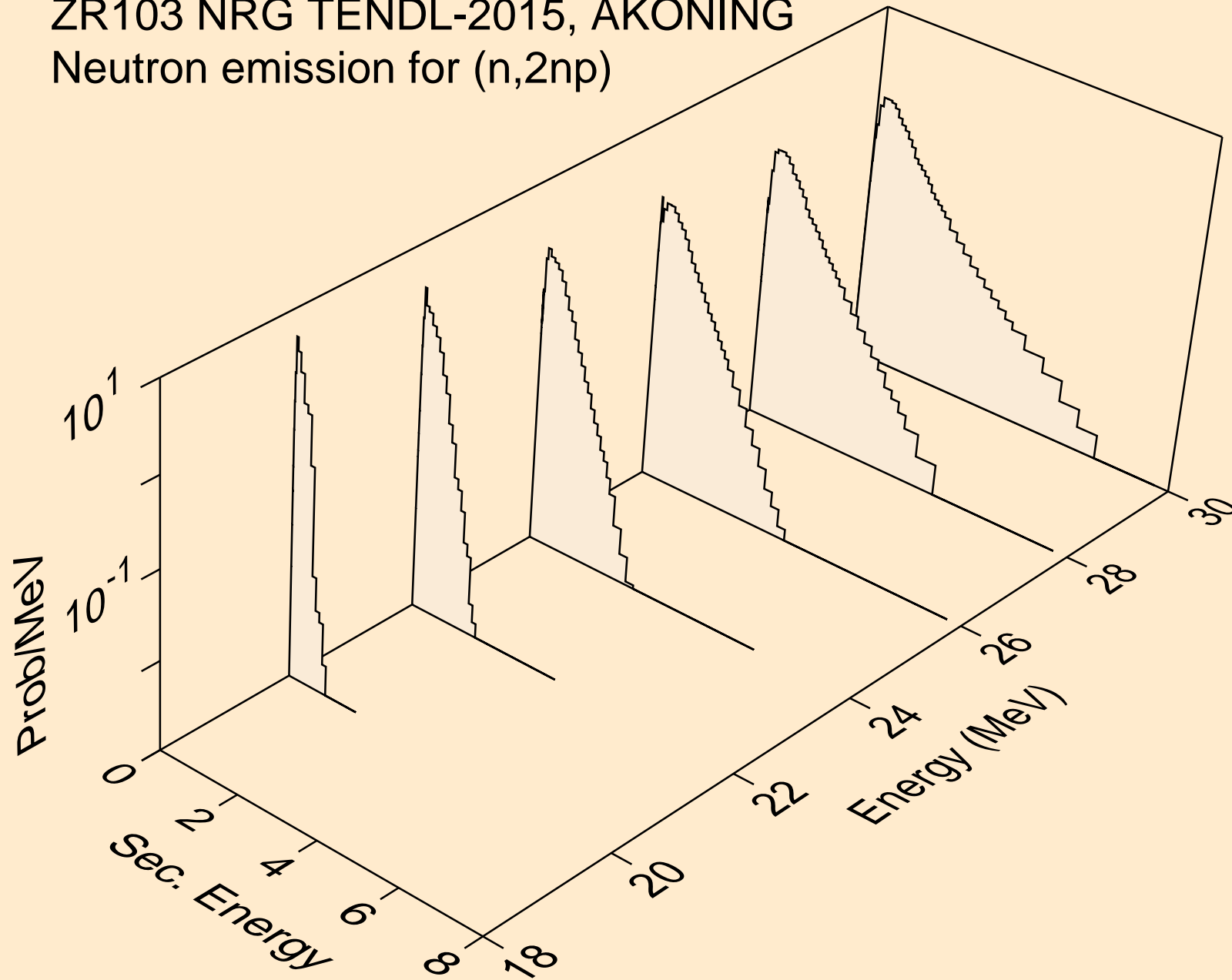
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



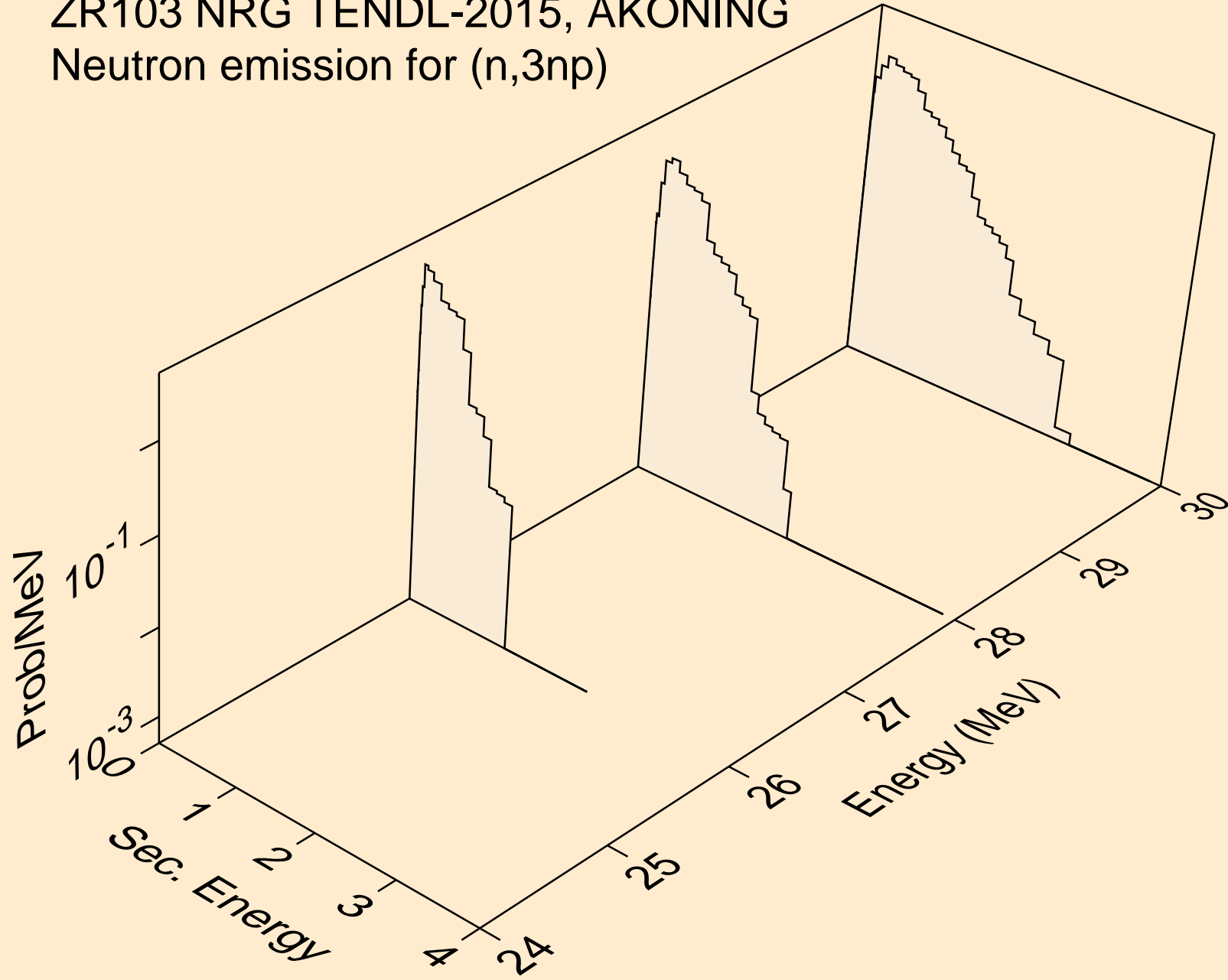
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



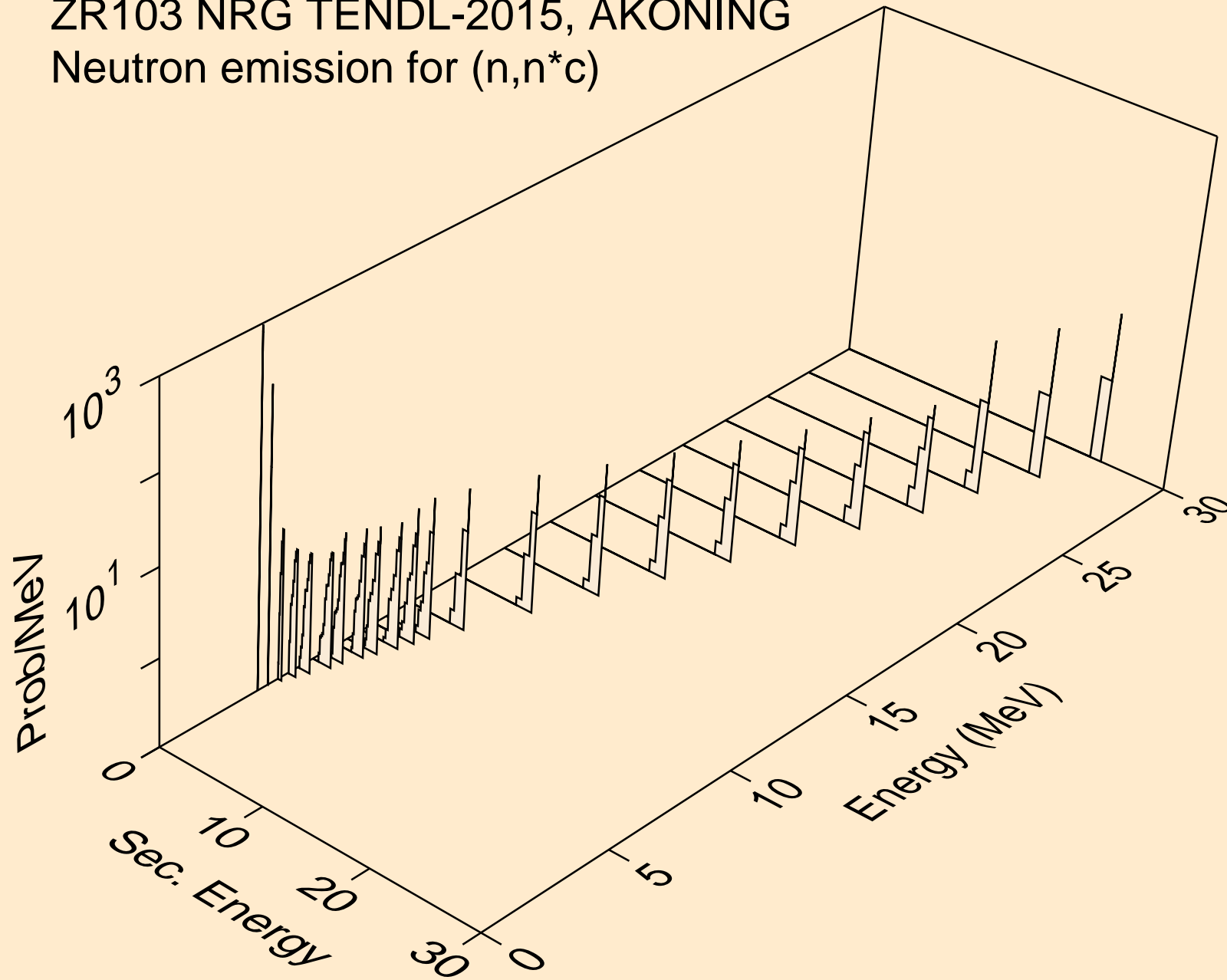
ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

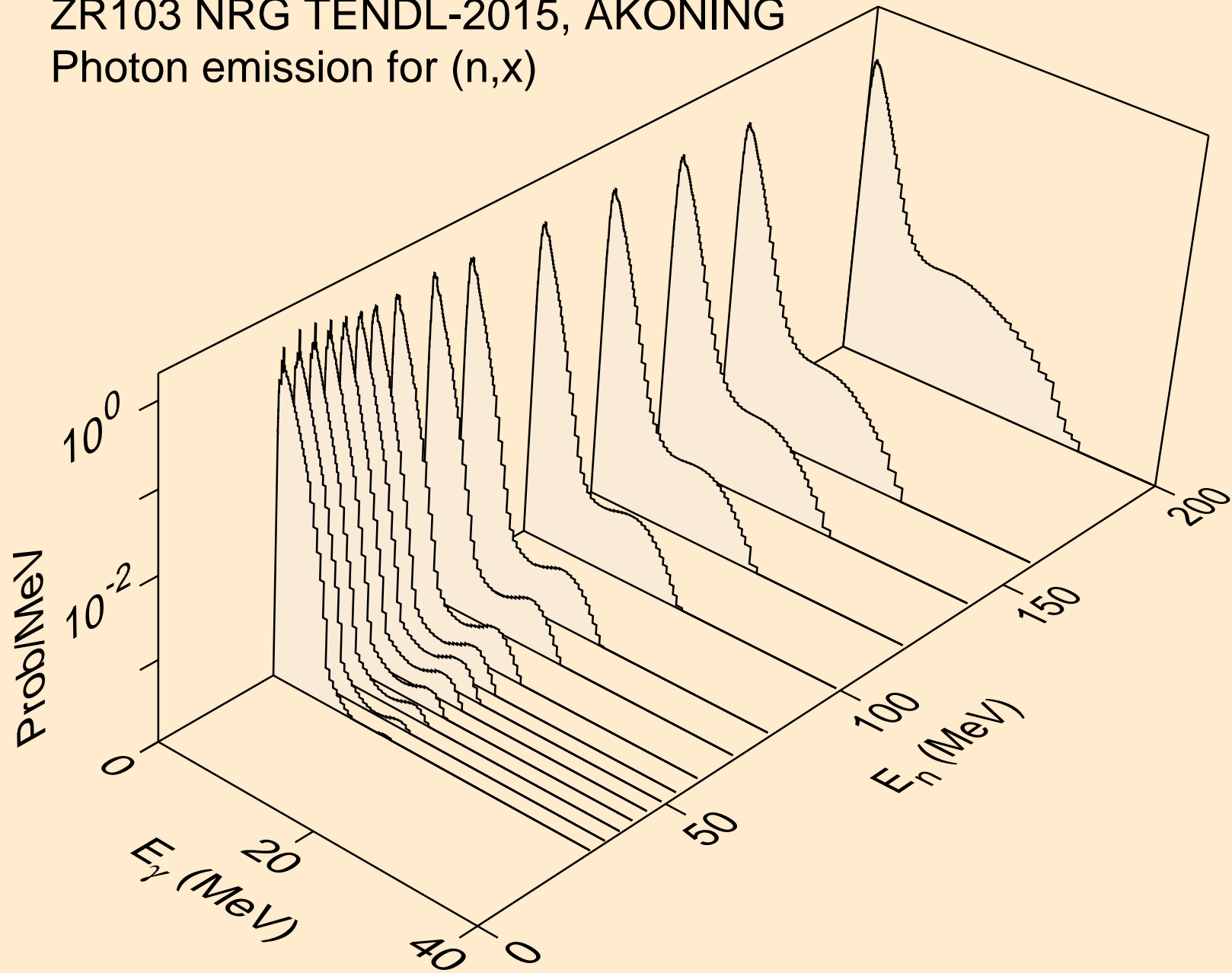


ZR103 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

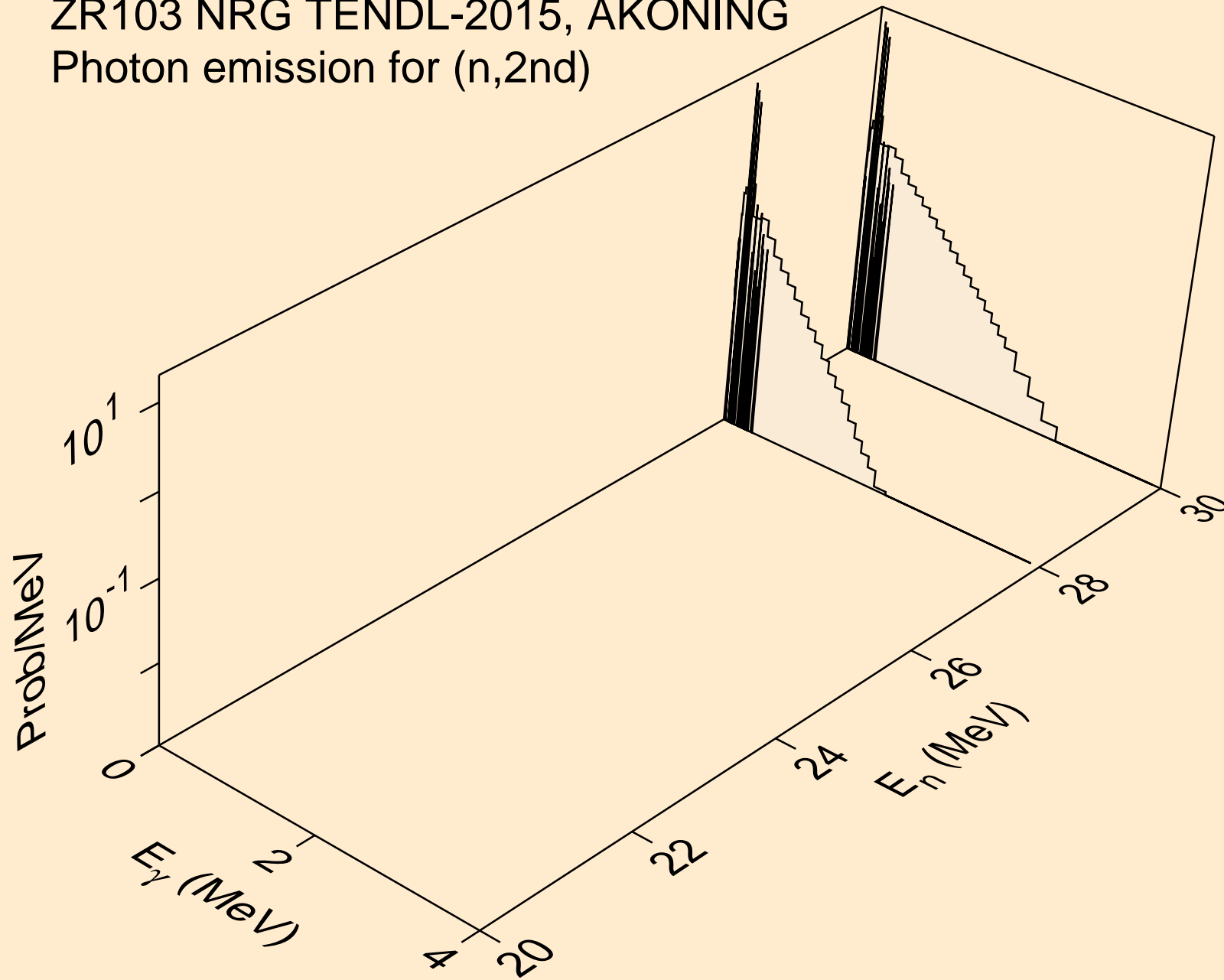




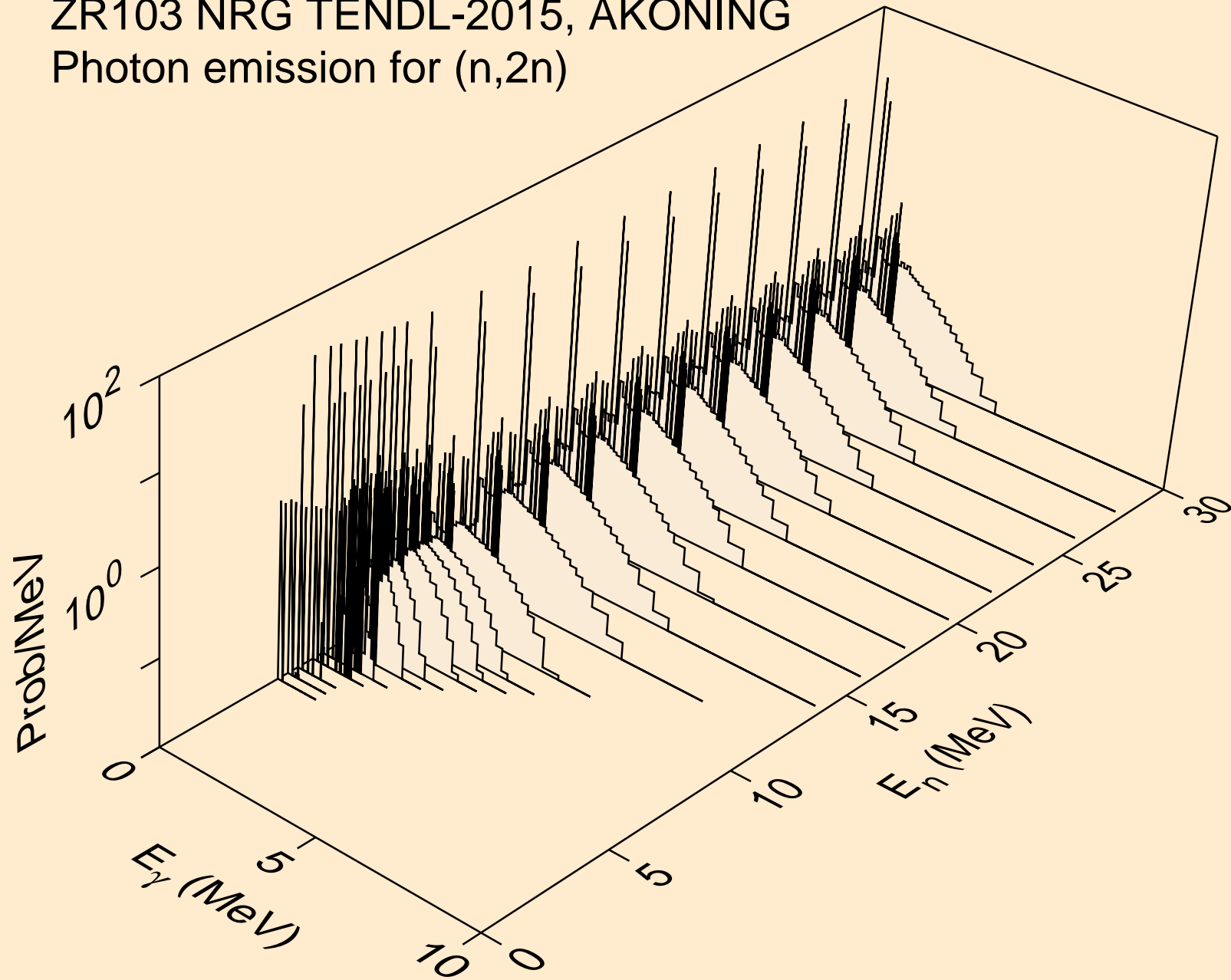
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



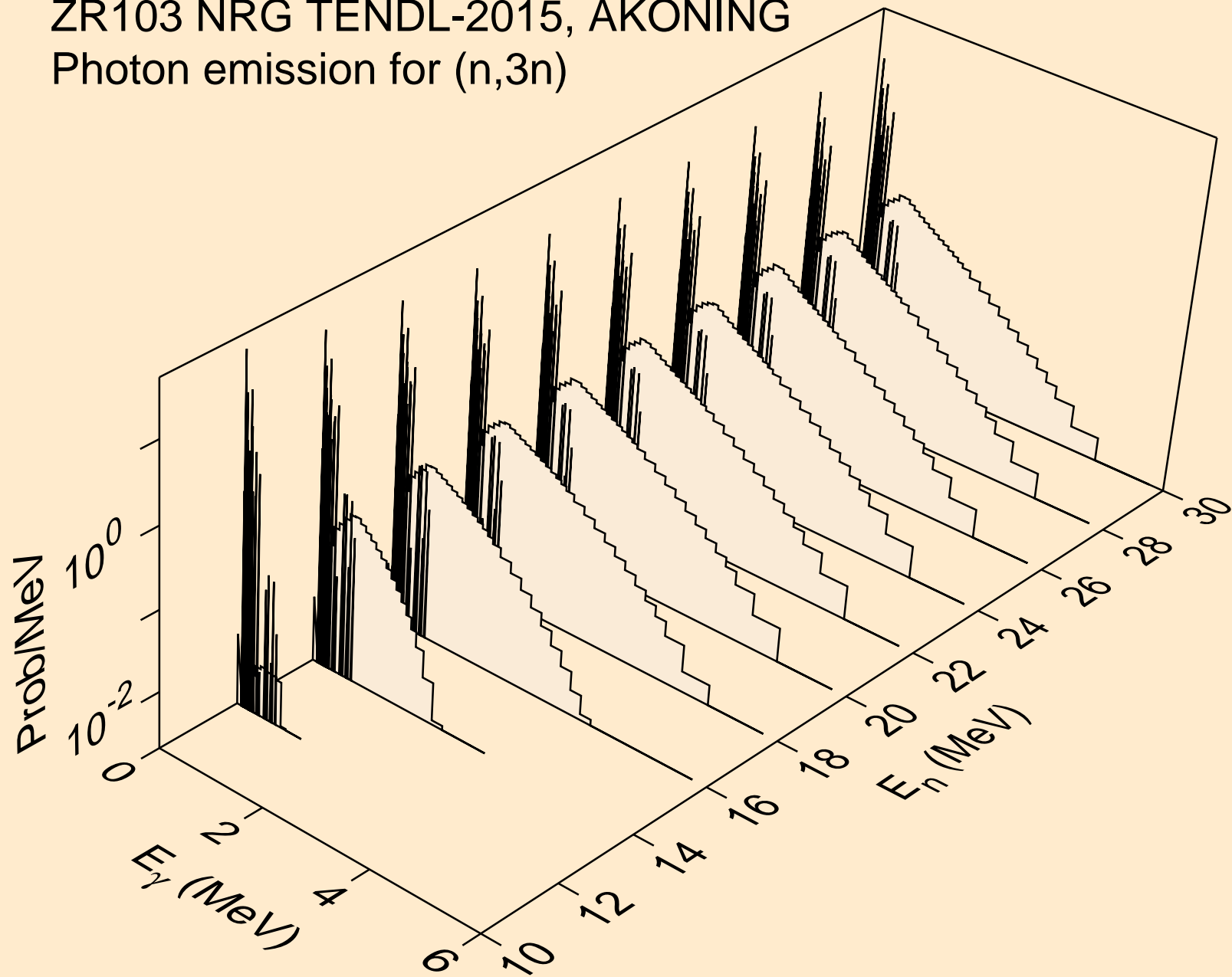
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



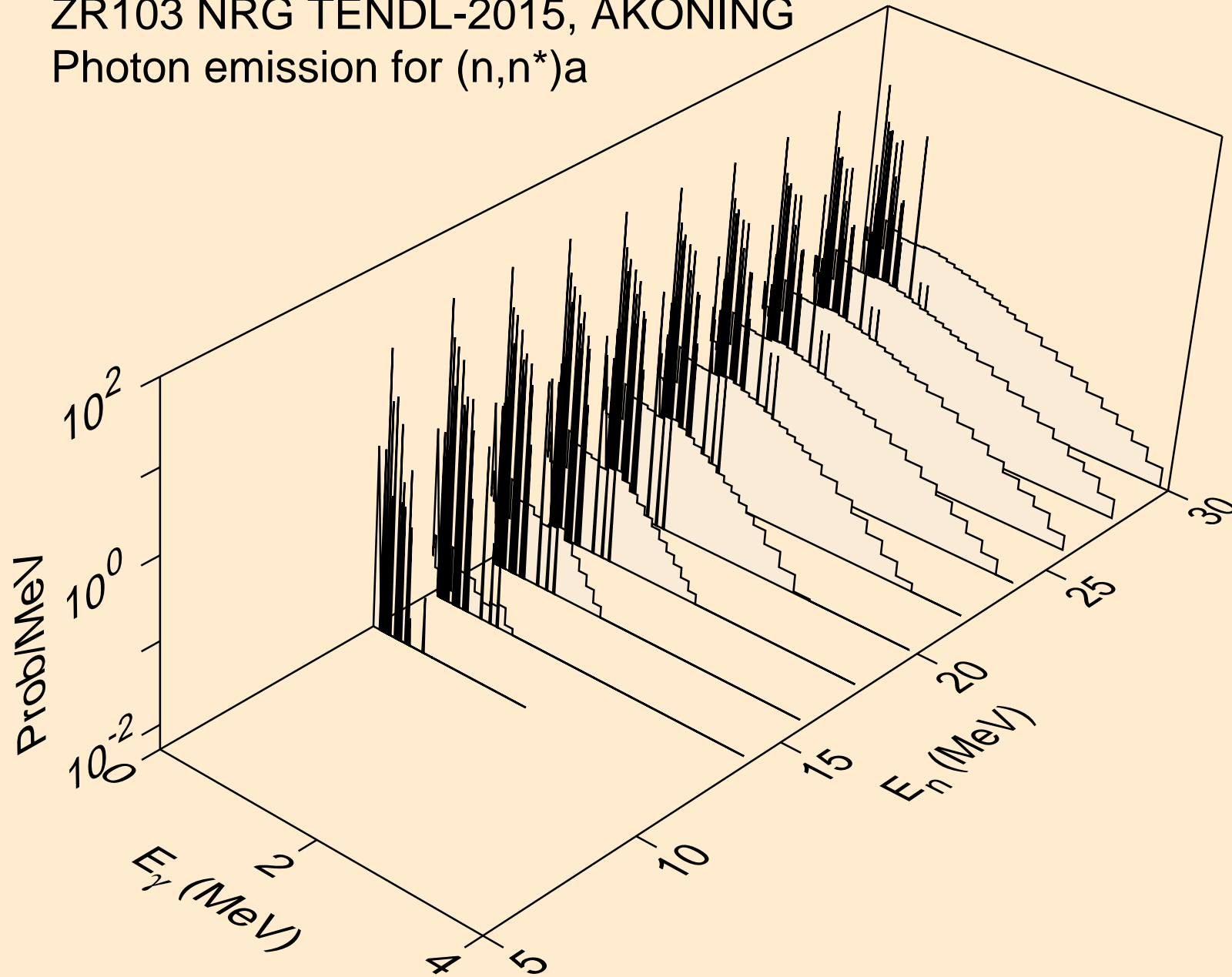
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



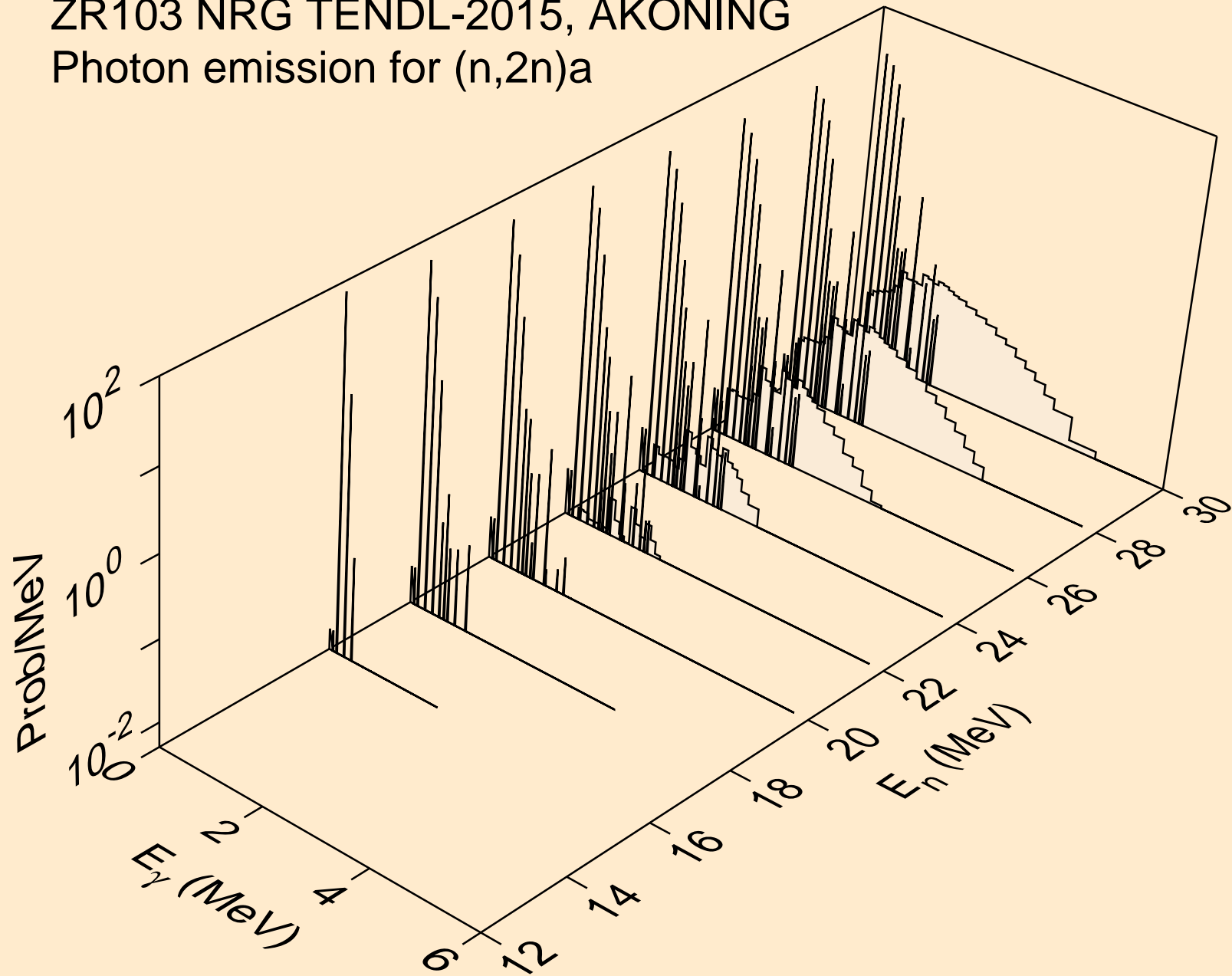
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



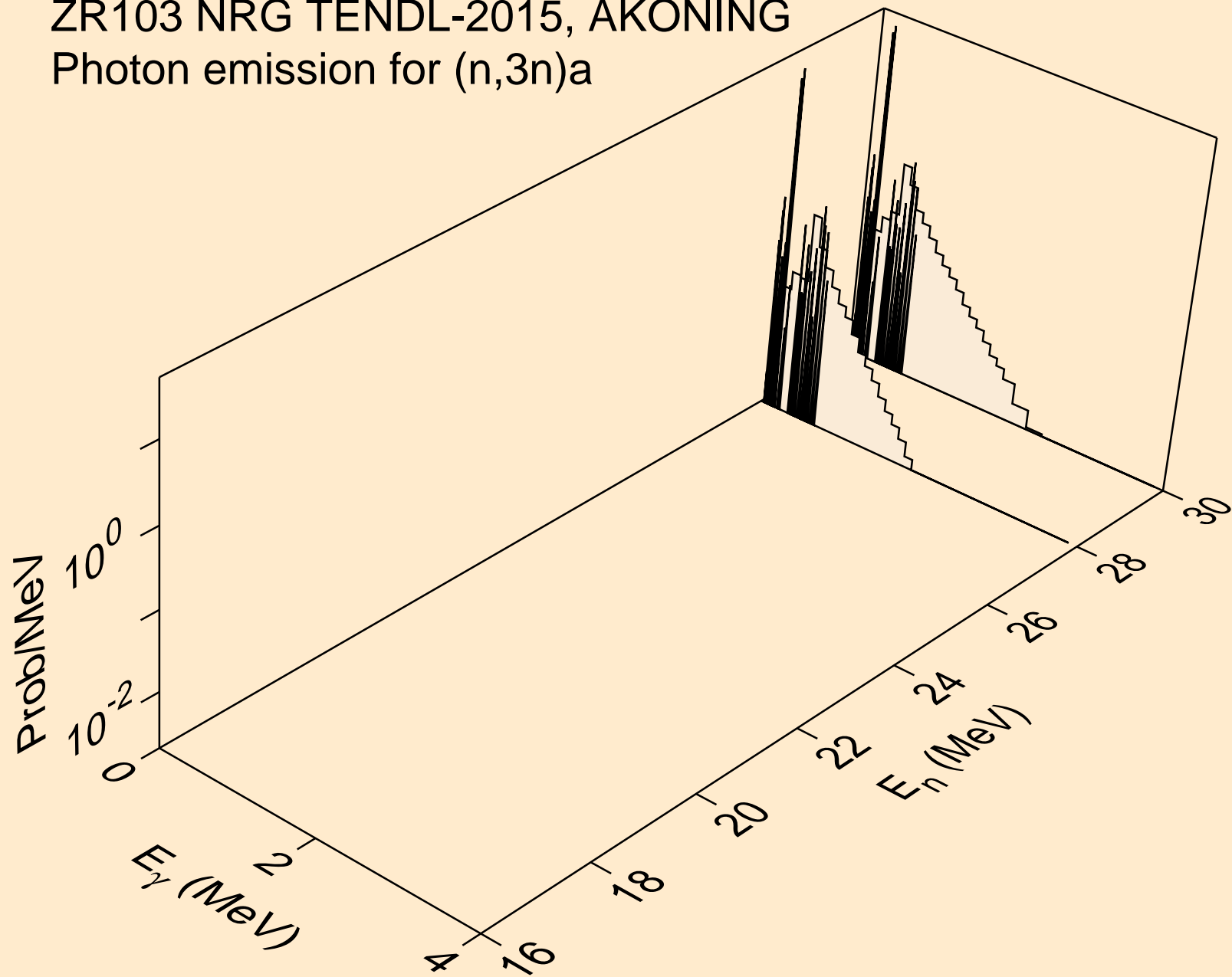
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



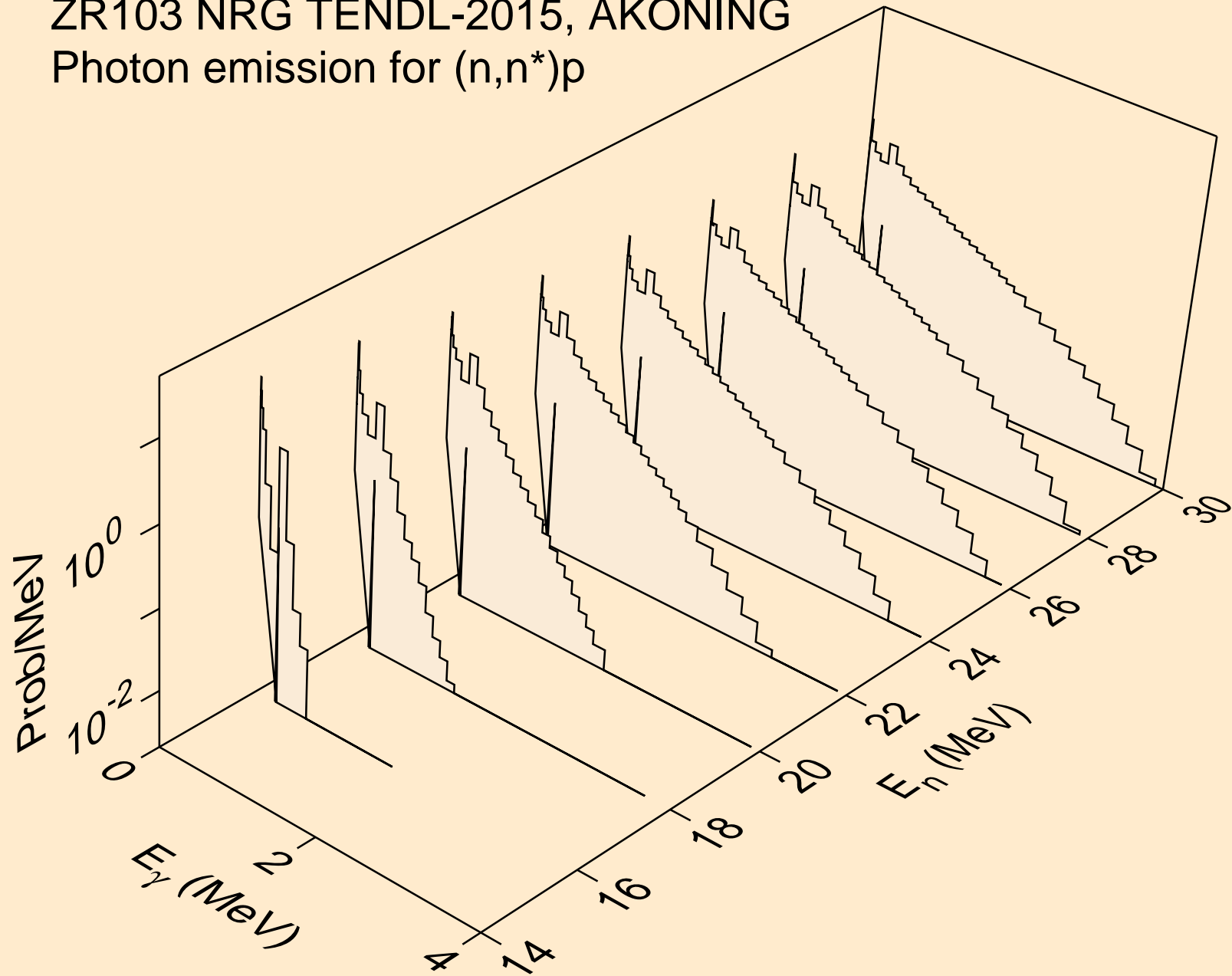
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

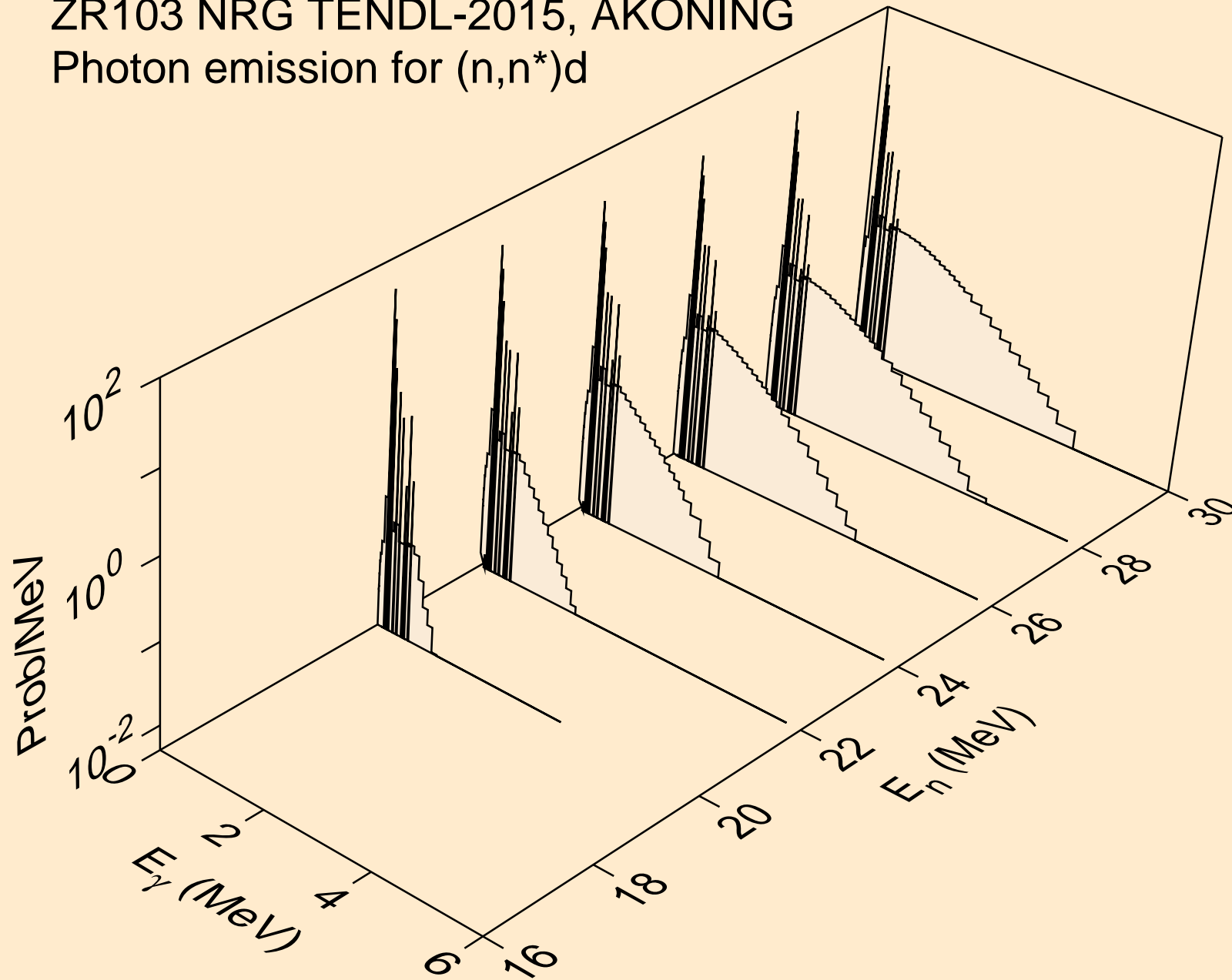


ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

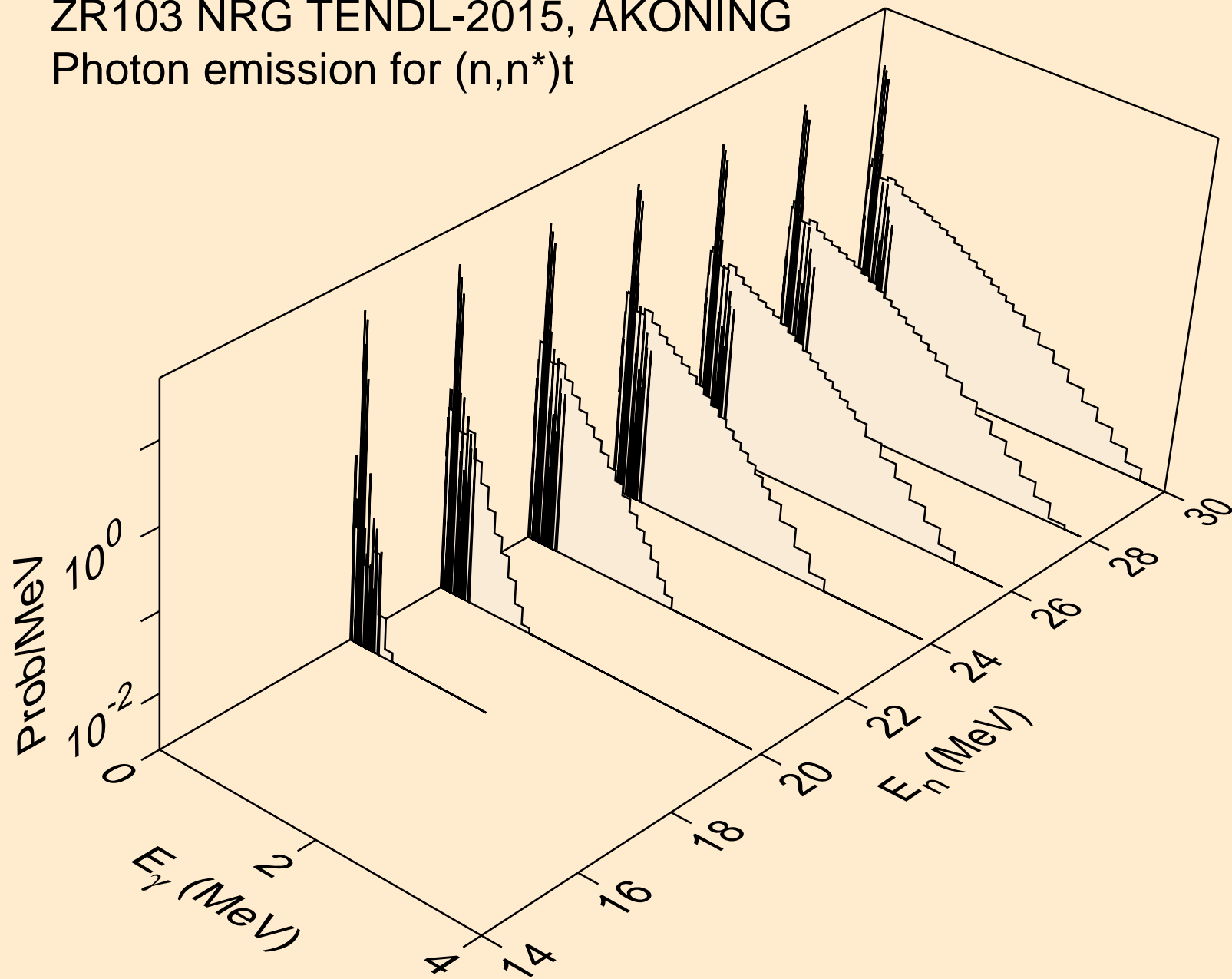




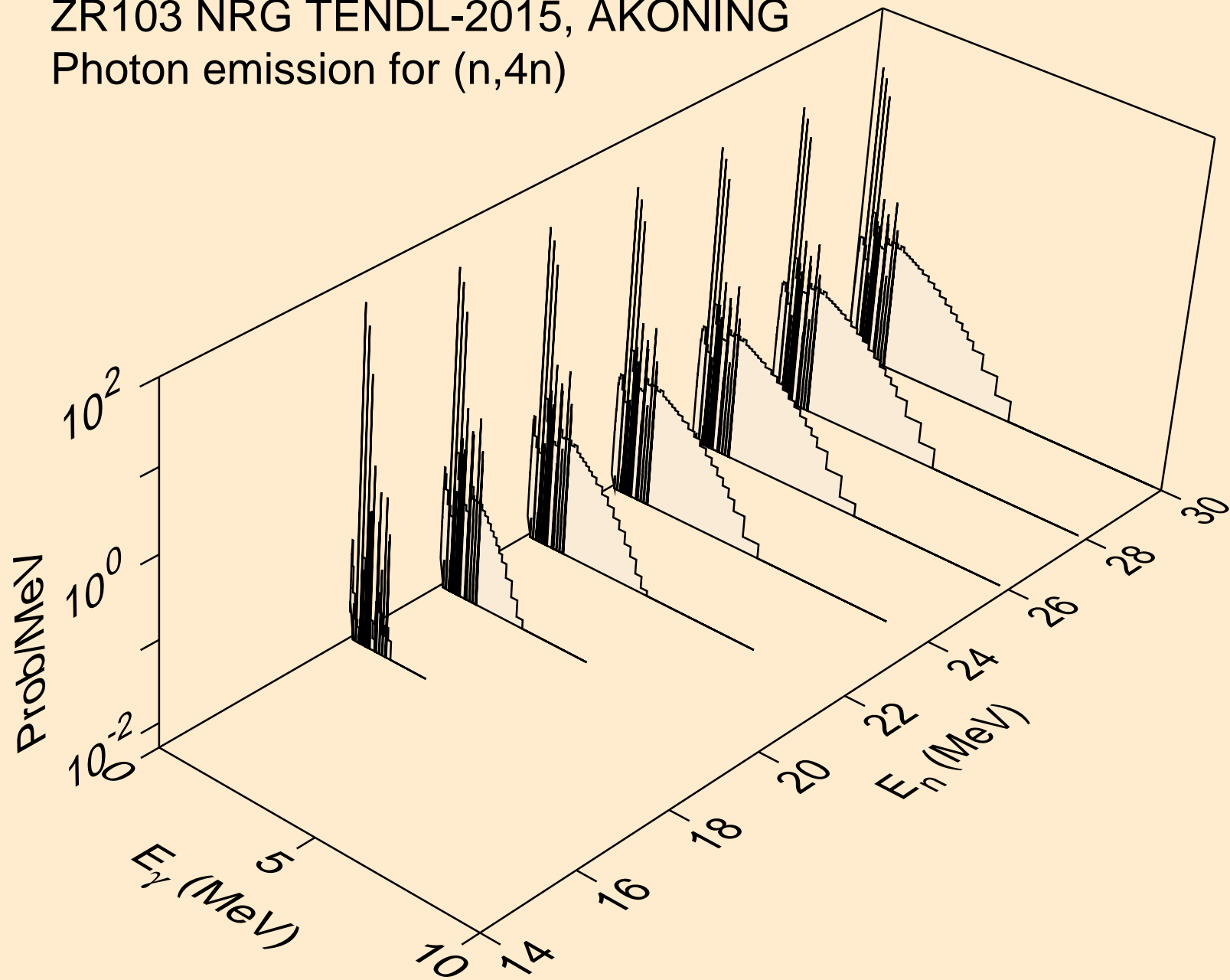
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



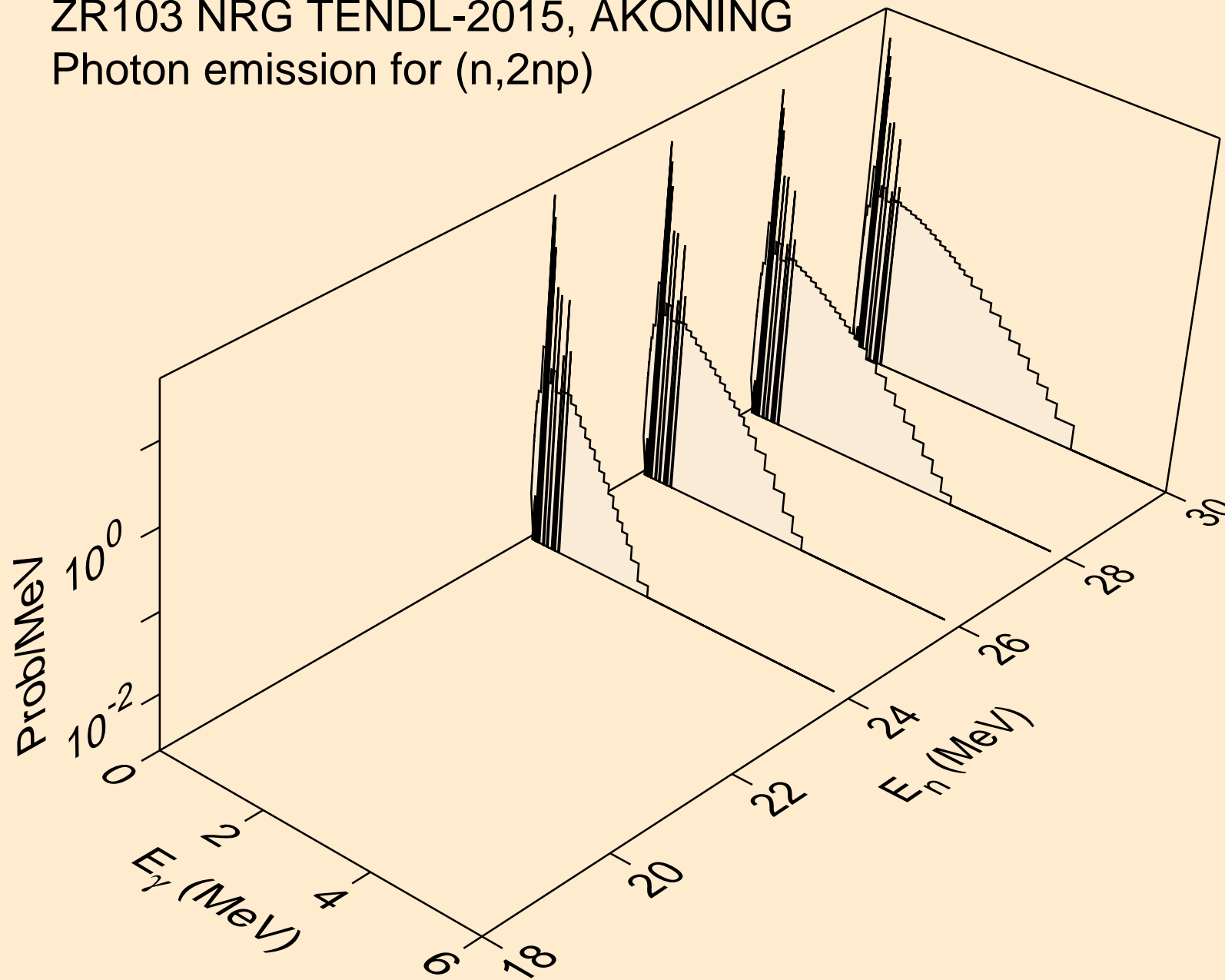
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



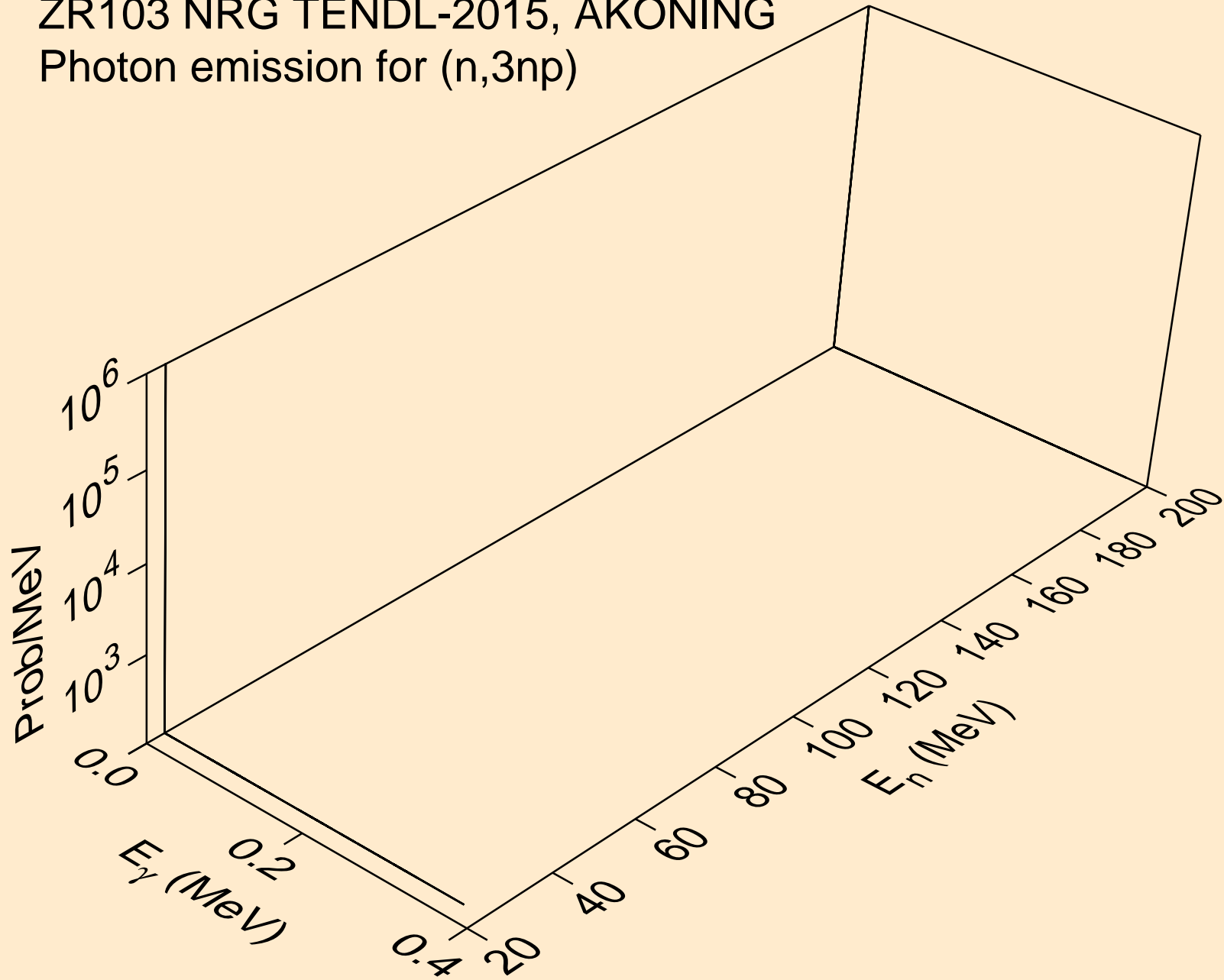
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



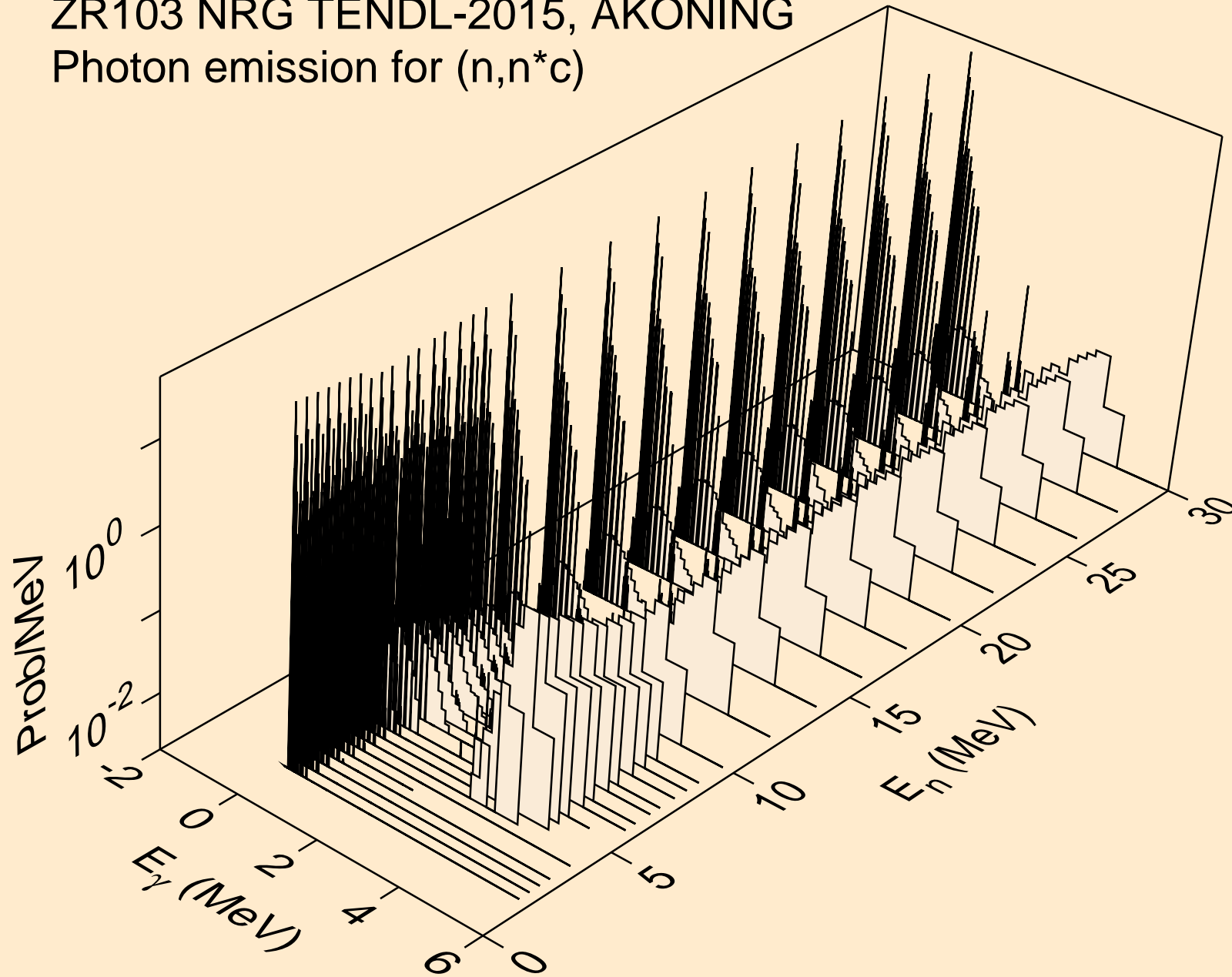
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



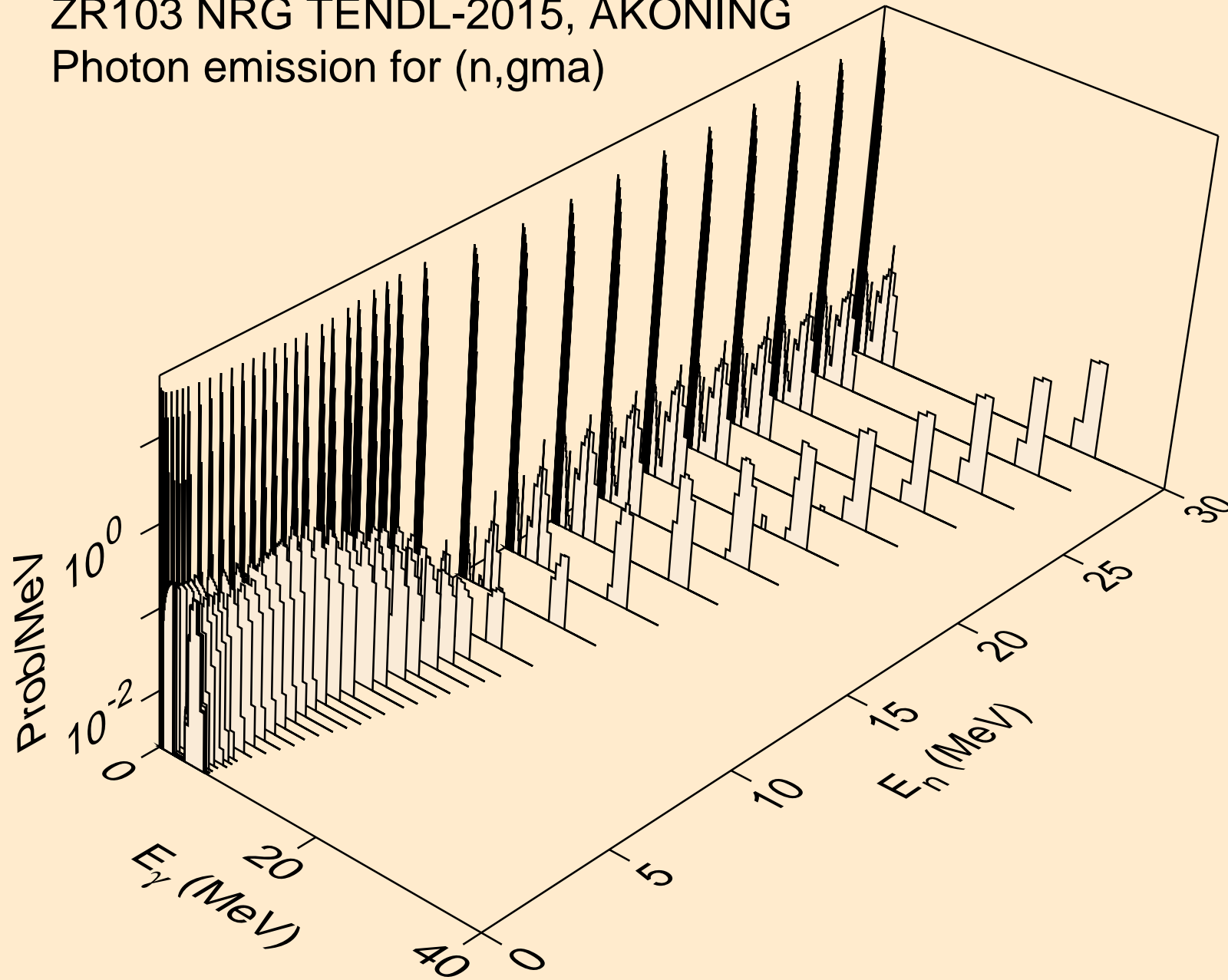
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



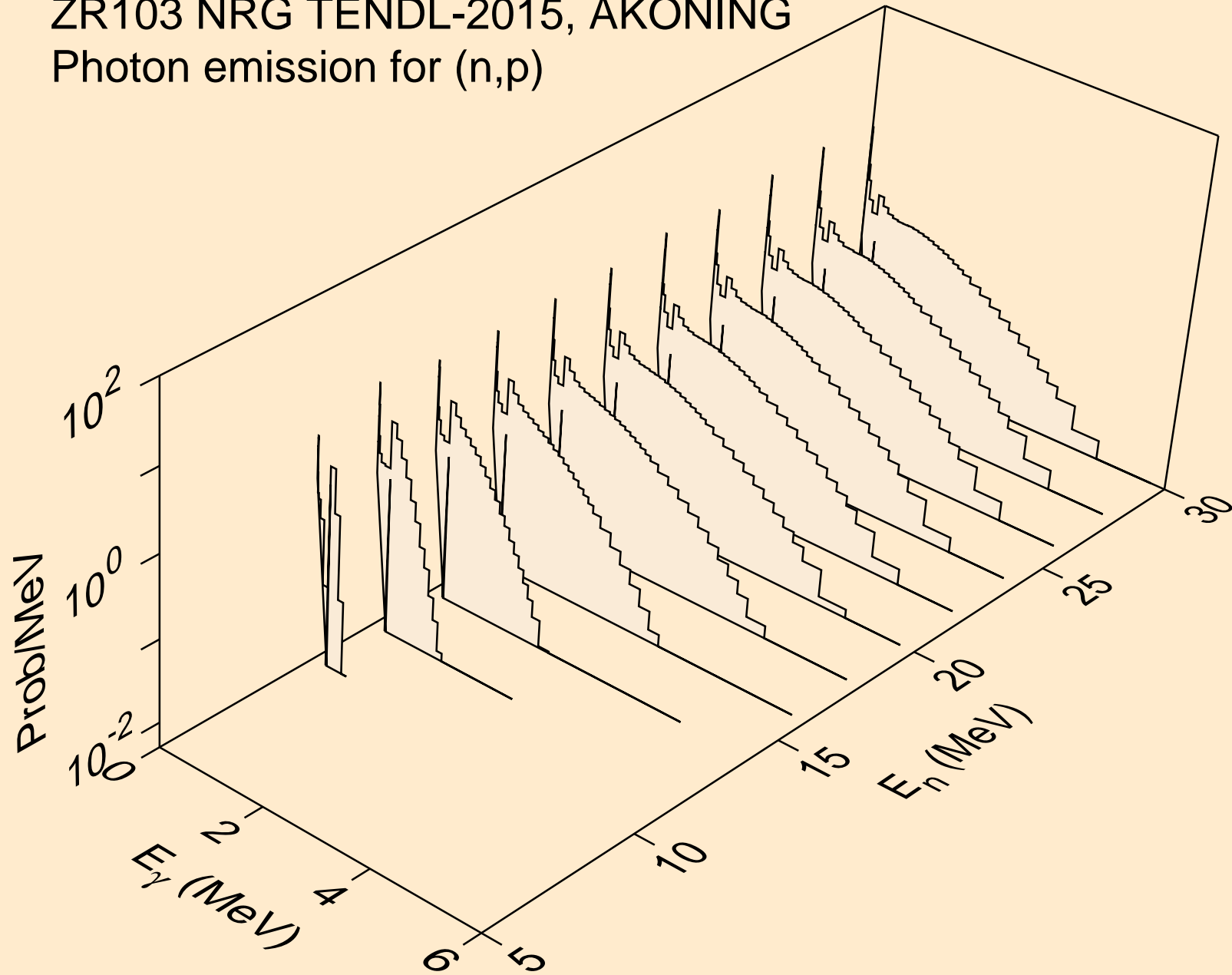
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

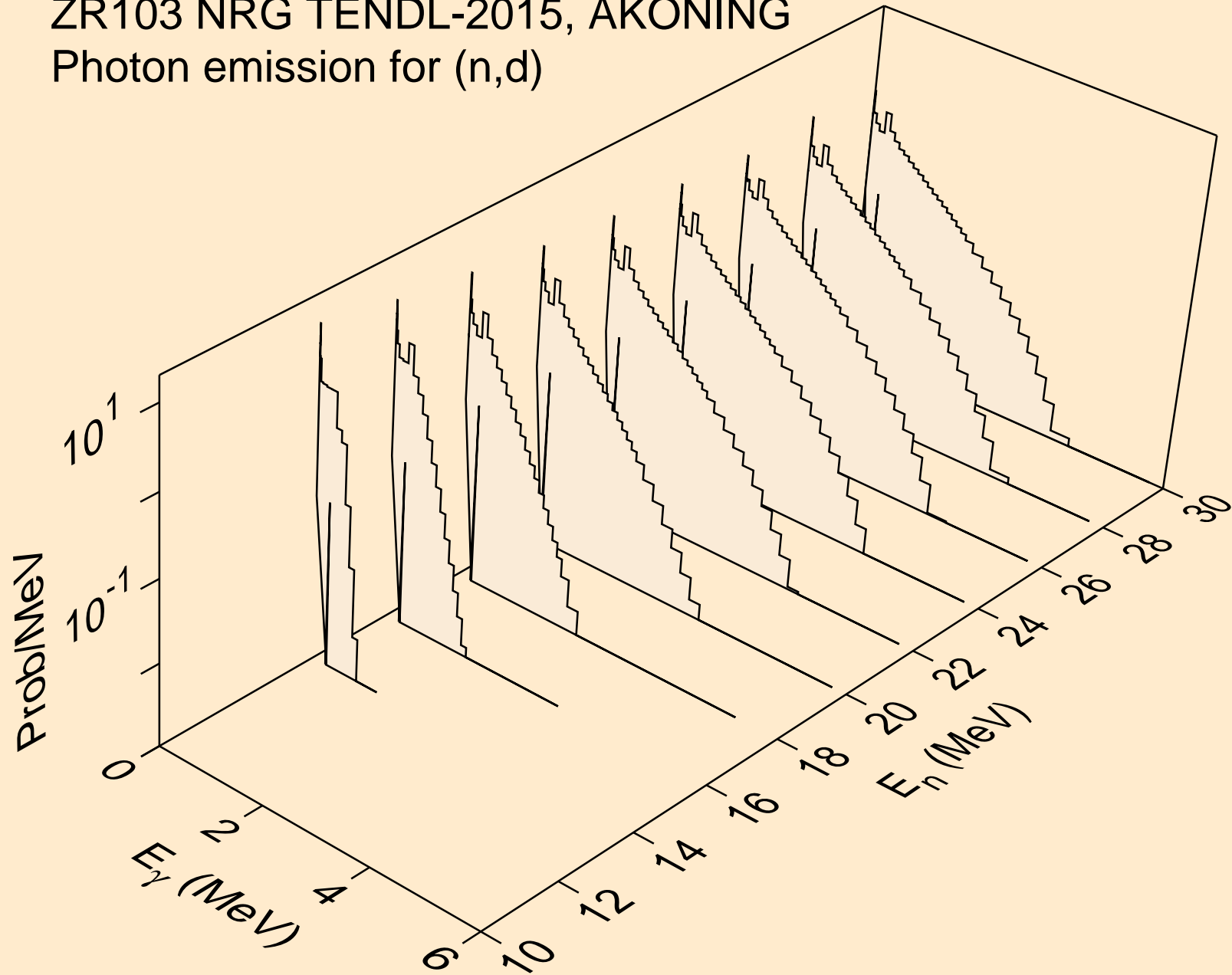


ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

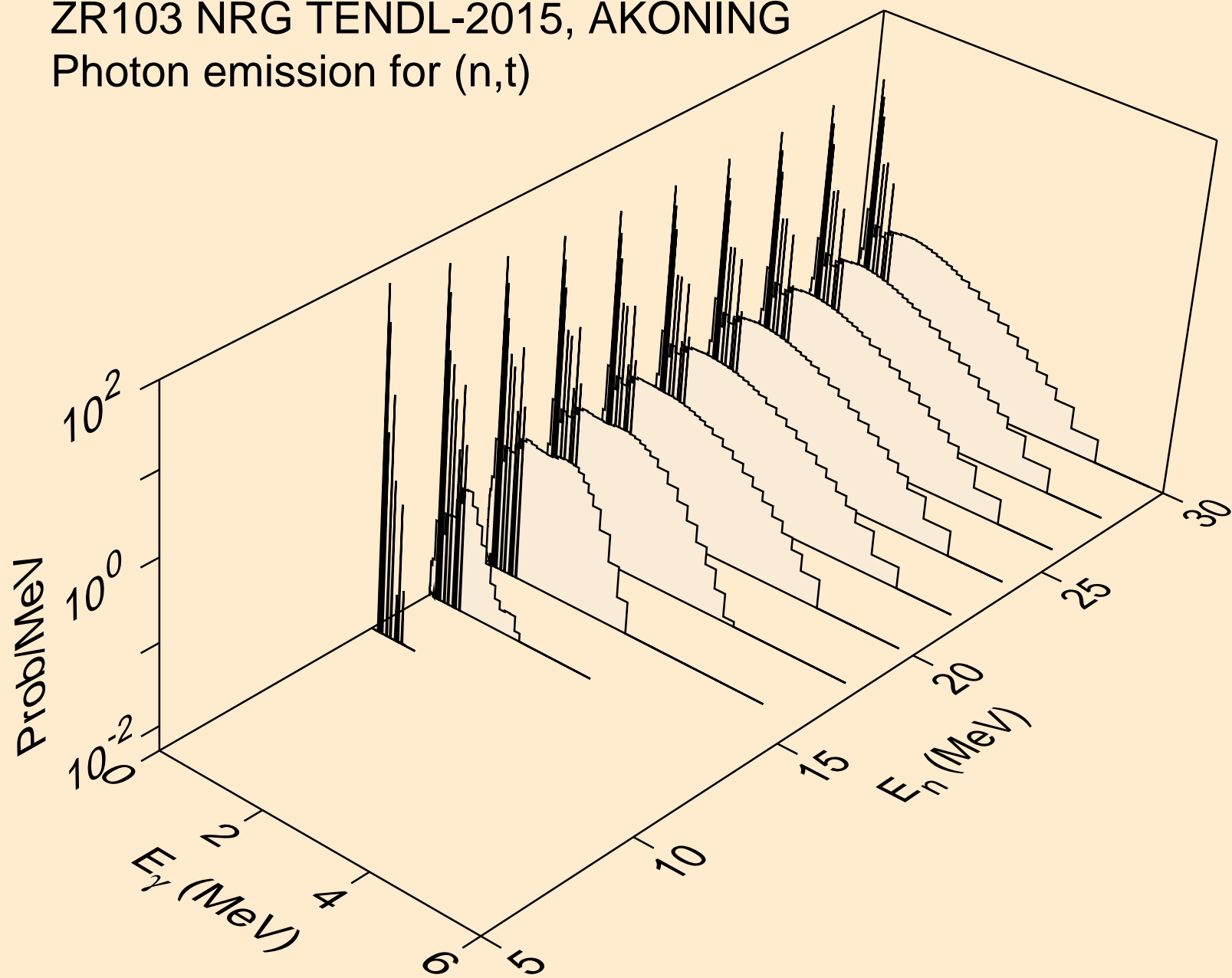




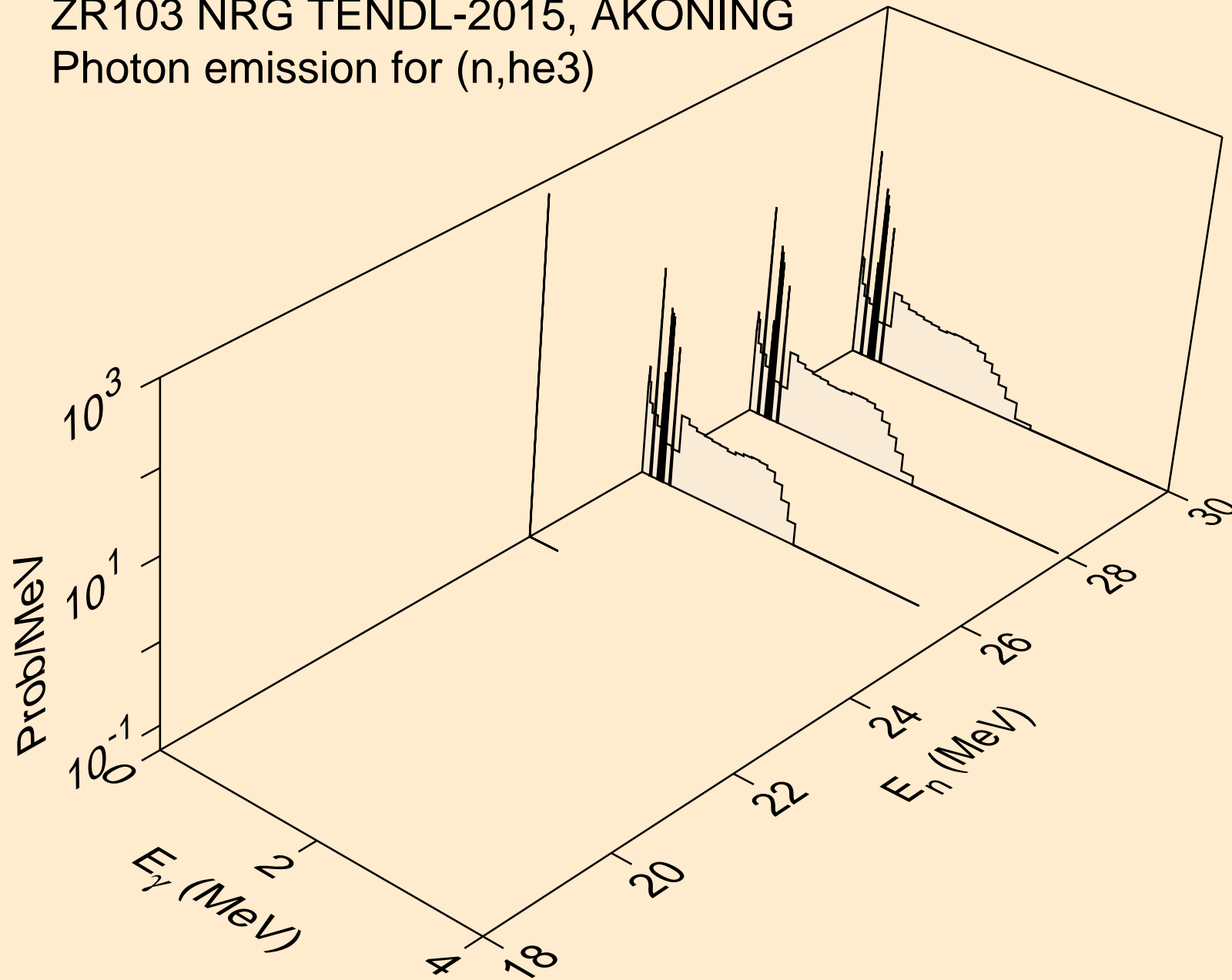
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



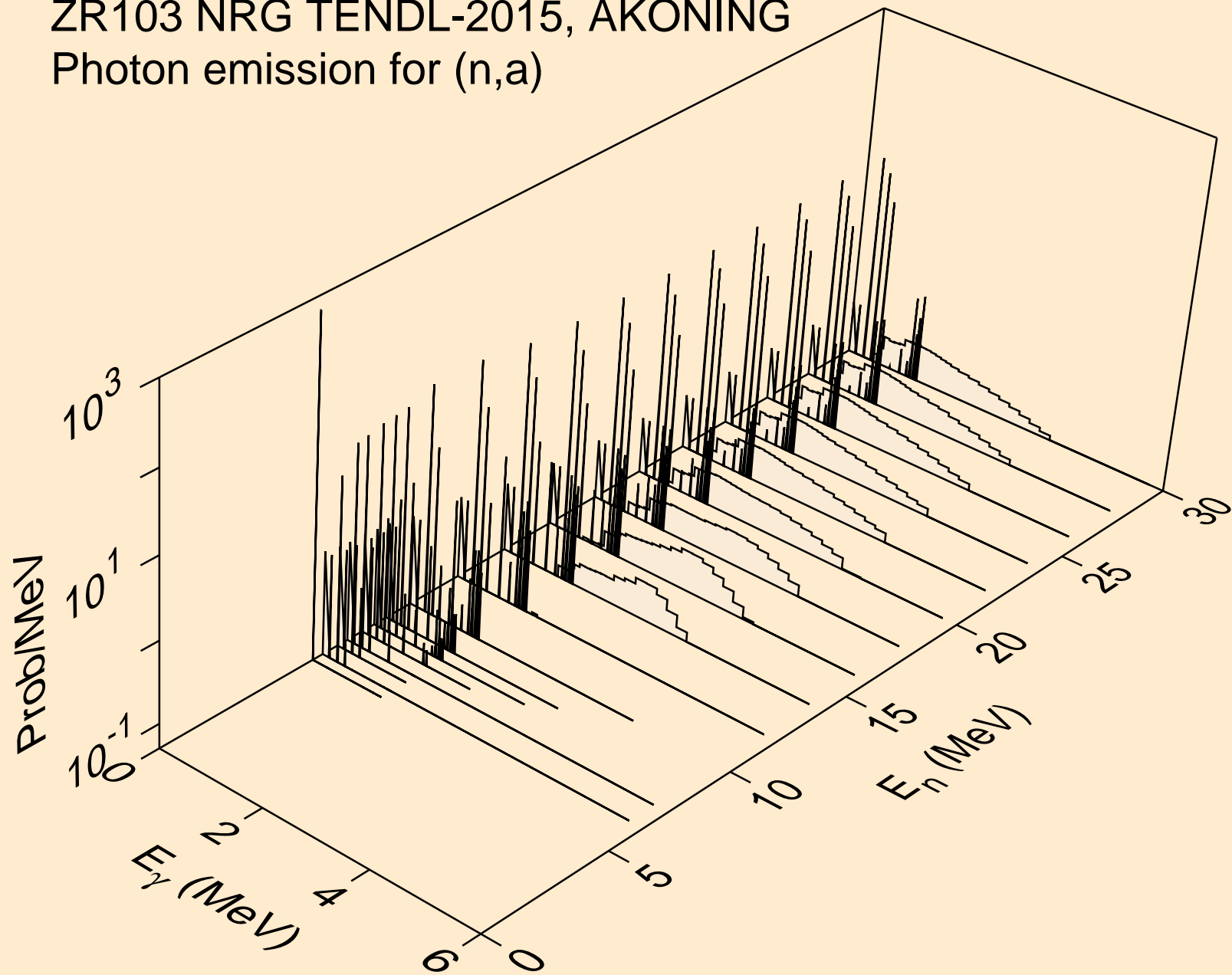
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



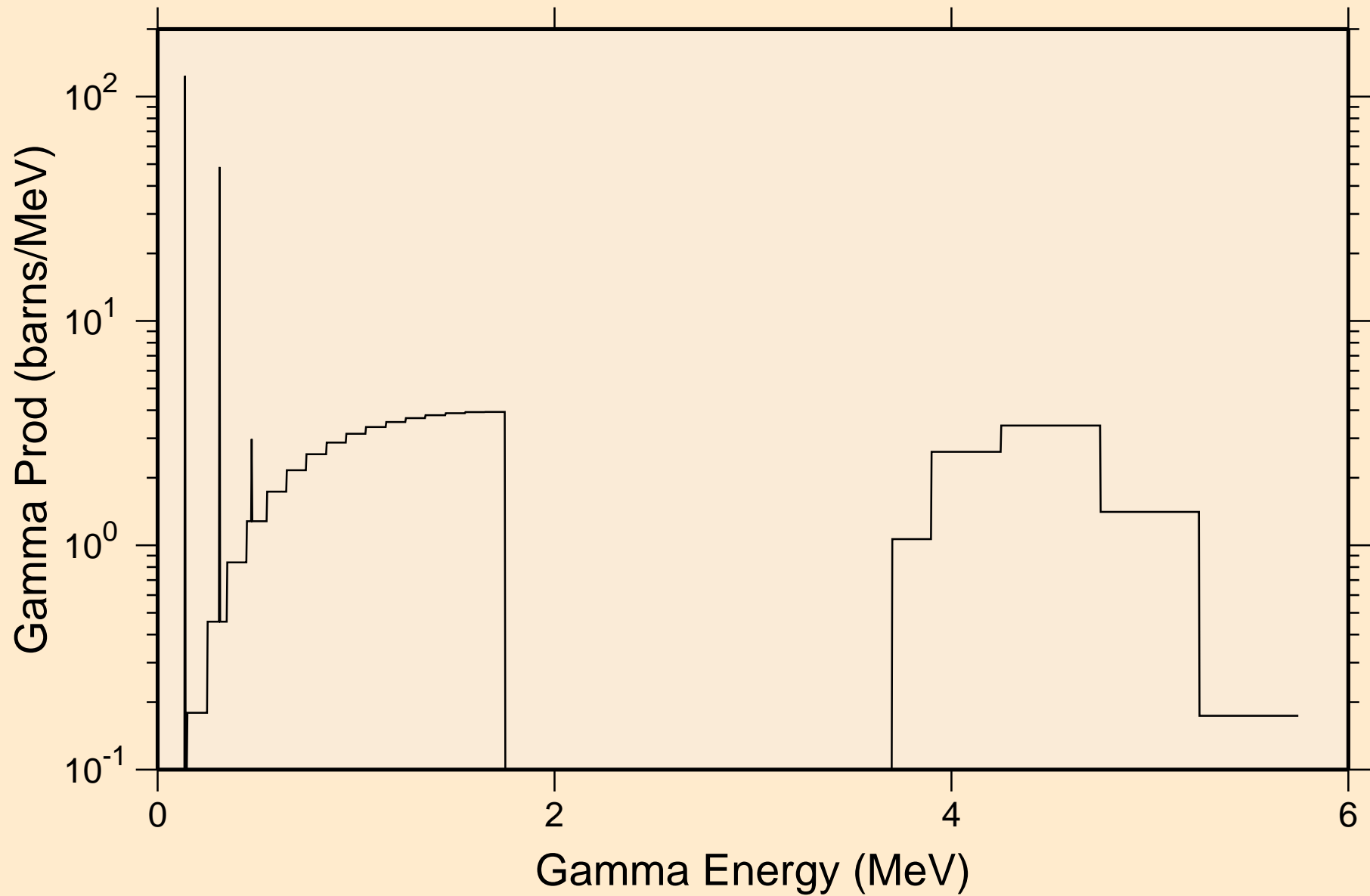
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



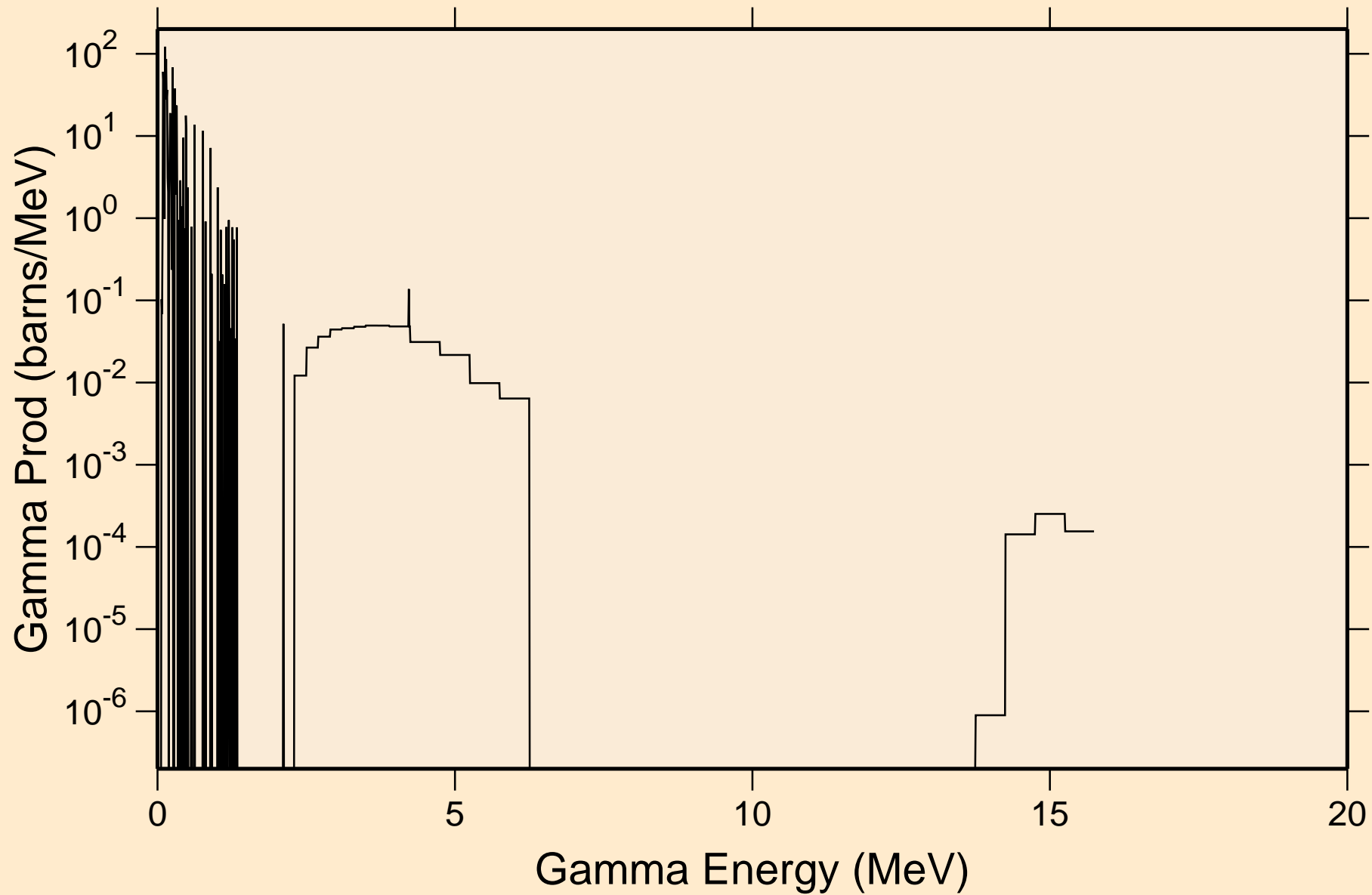
ZR103 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



ZR103 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

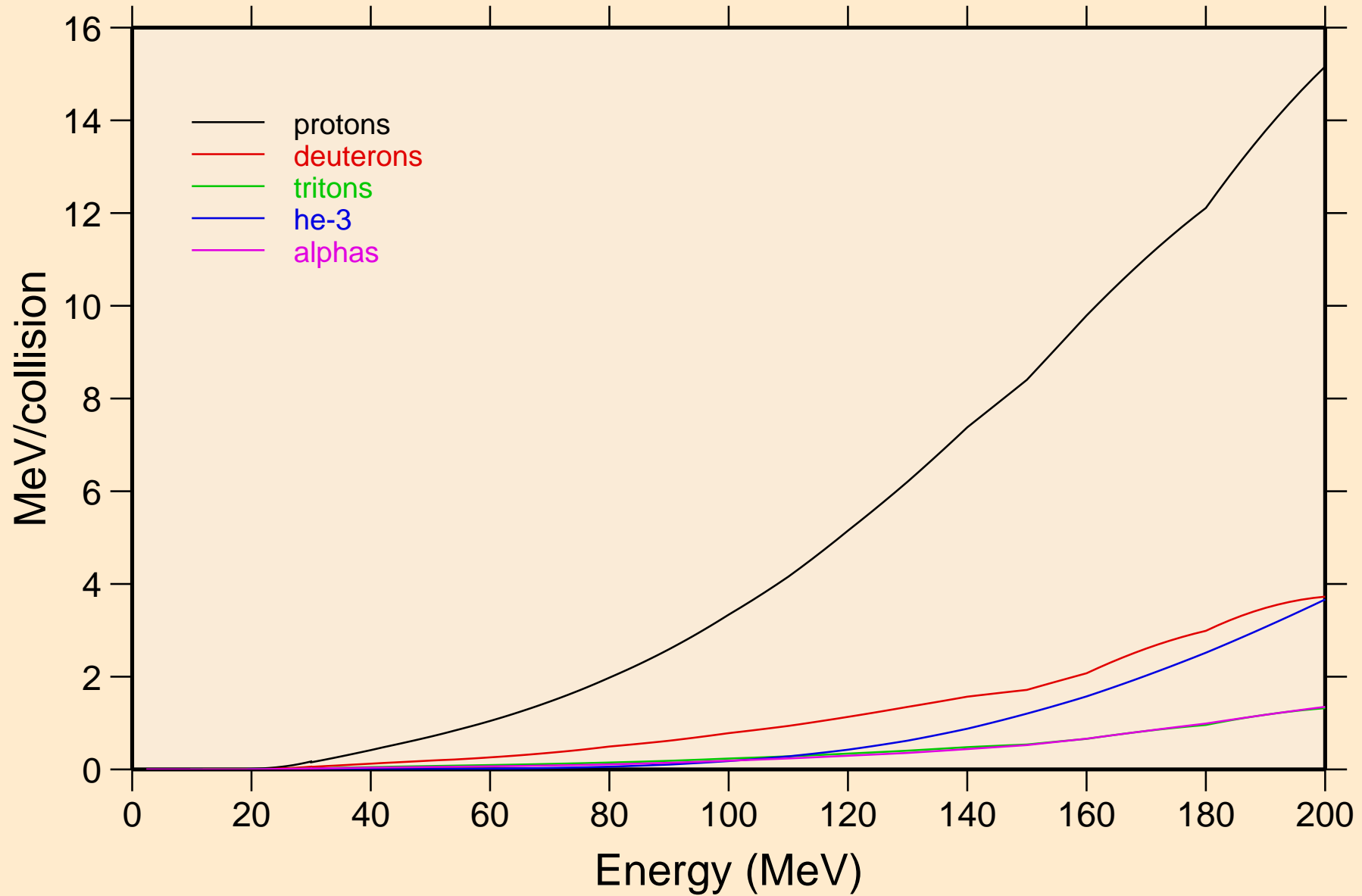


ZR103 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



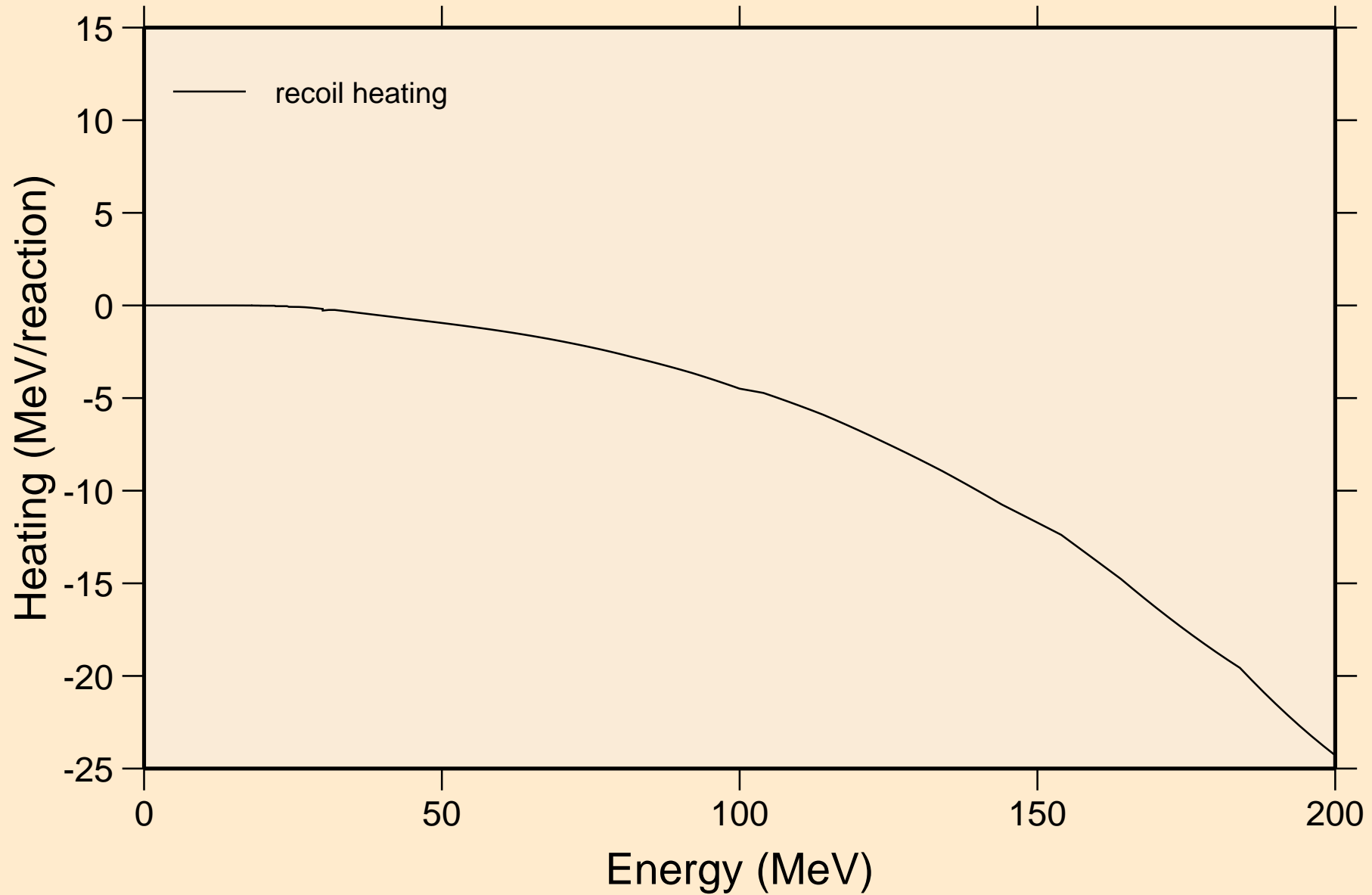
# ZR103 NRG TENDL-2015, AKONING

## Particle heating contributions



# ZR103 NRG TENDL-2015, AKONING

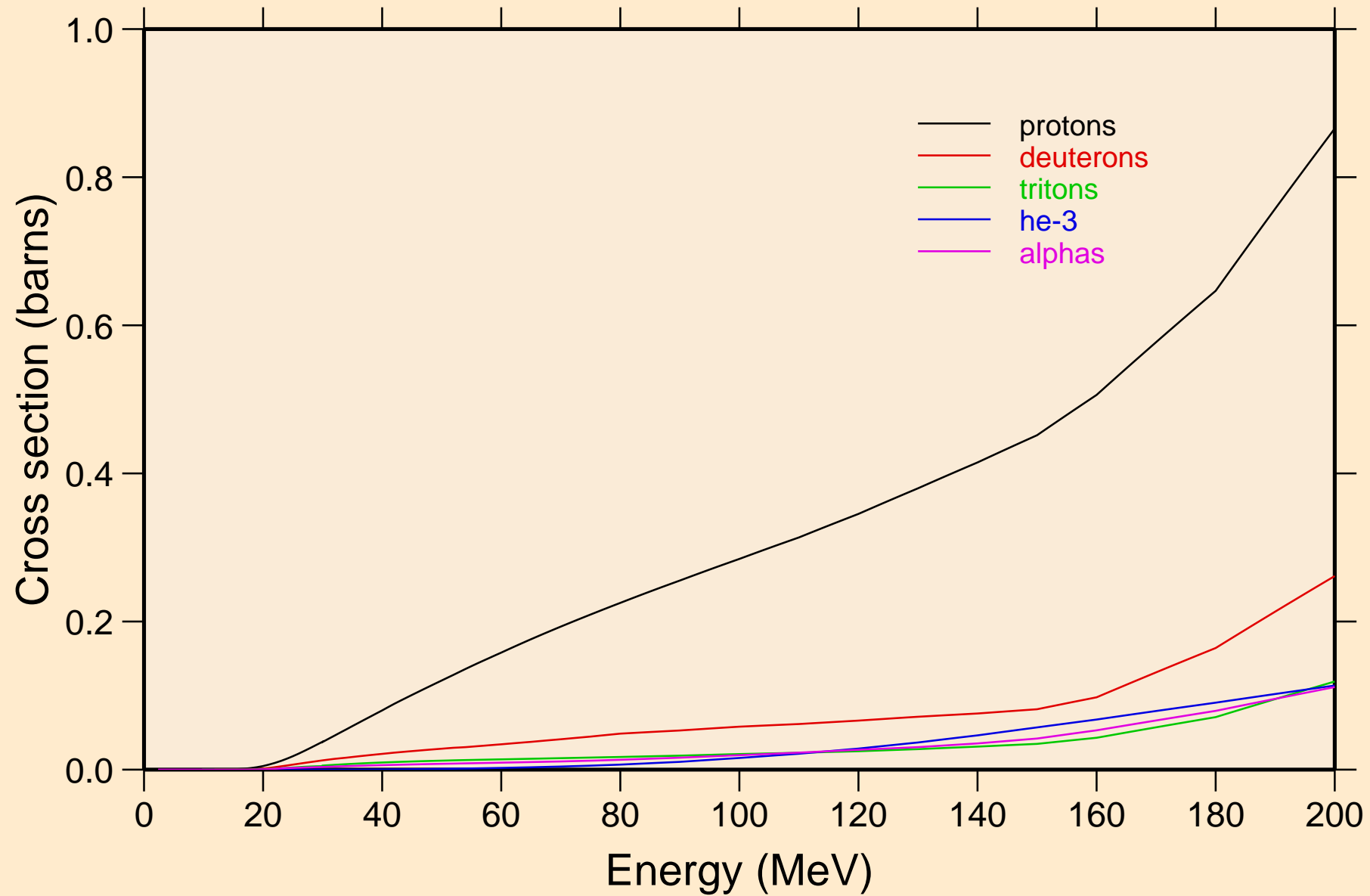
## Recoil Heating



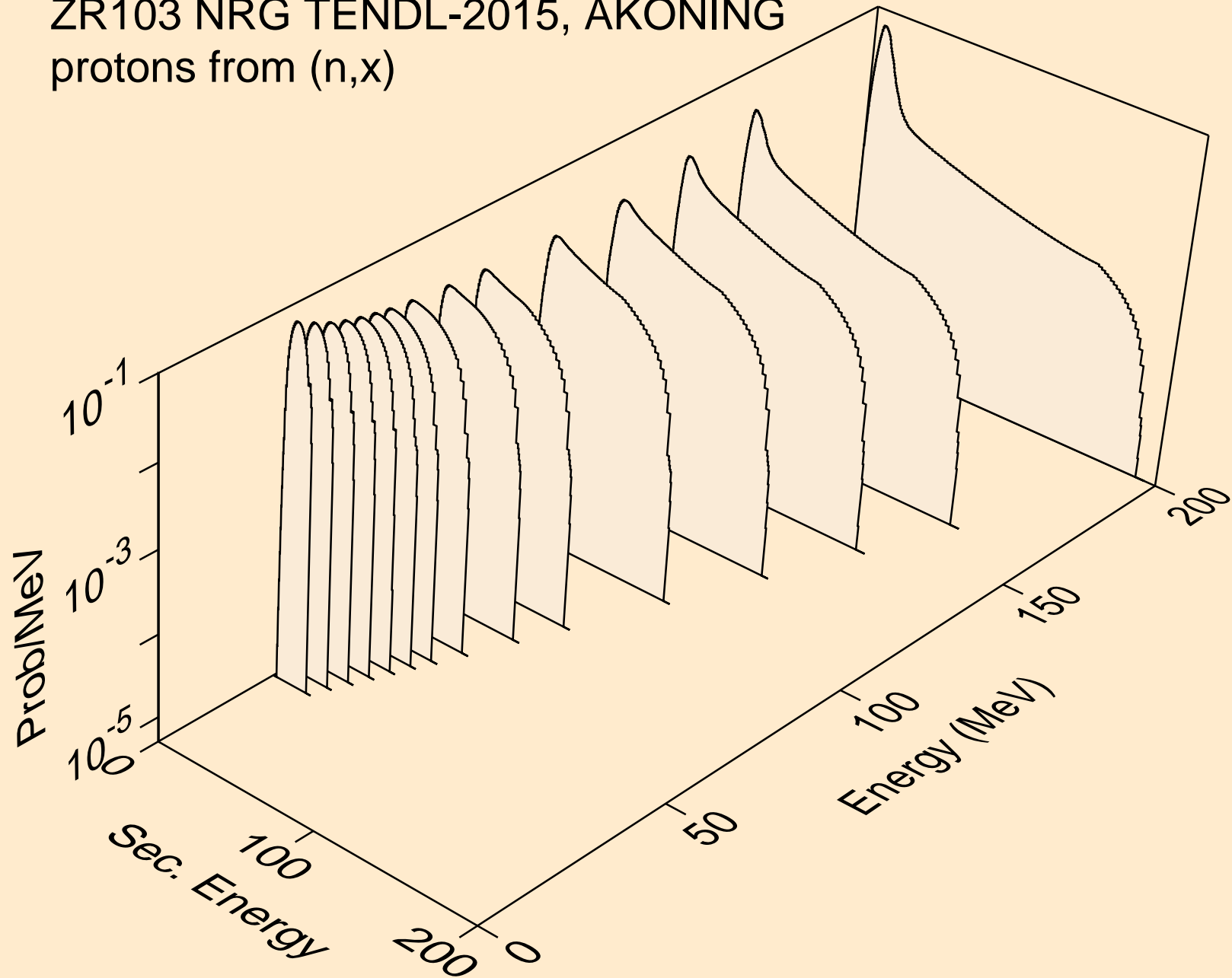


# ZR103 NRG TENDL-2015, AKONING

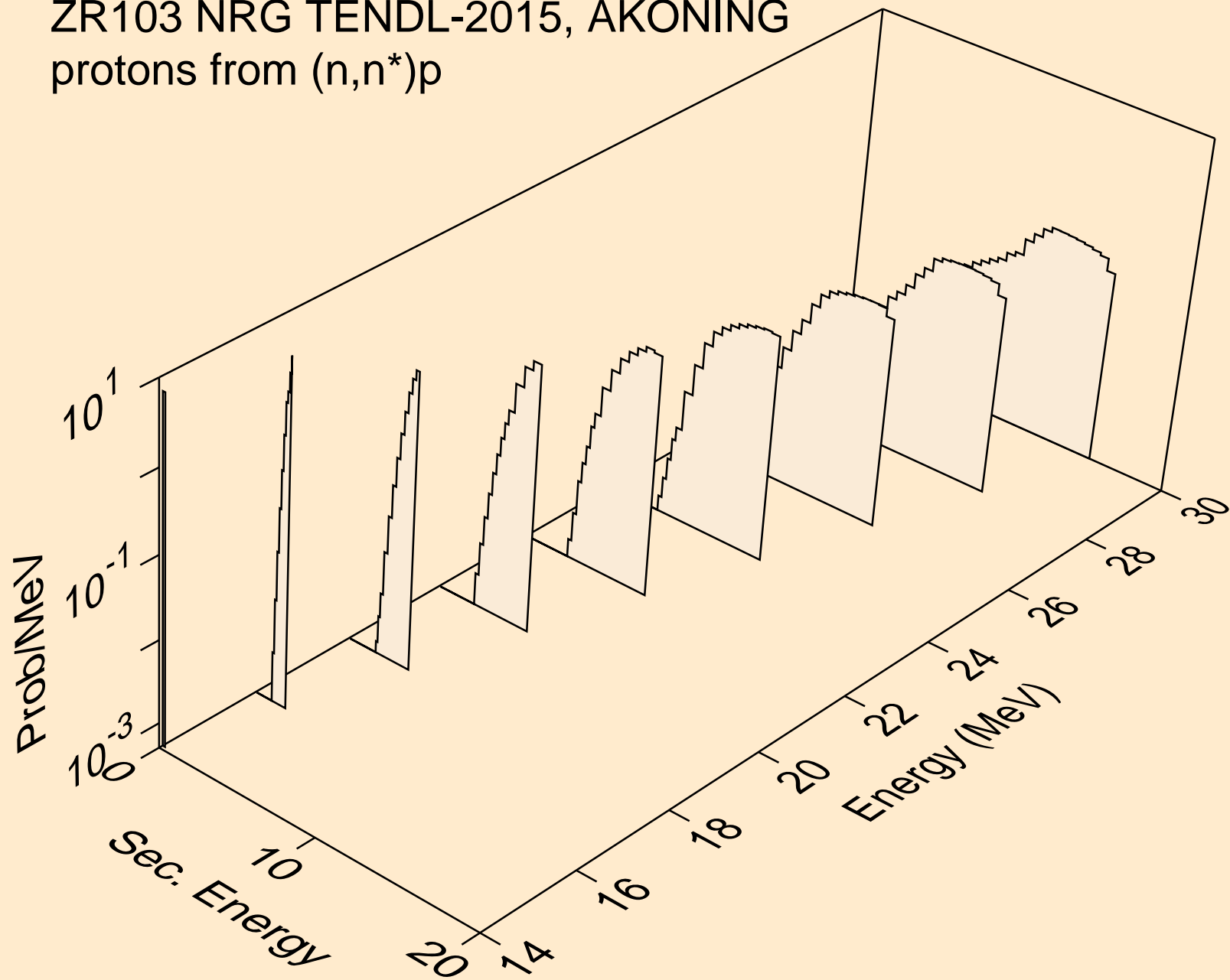
## Particle production cross sections



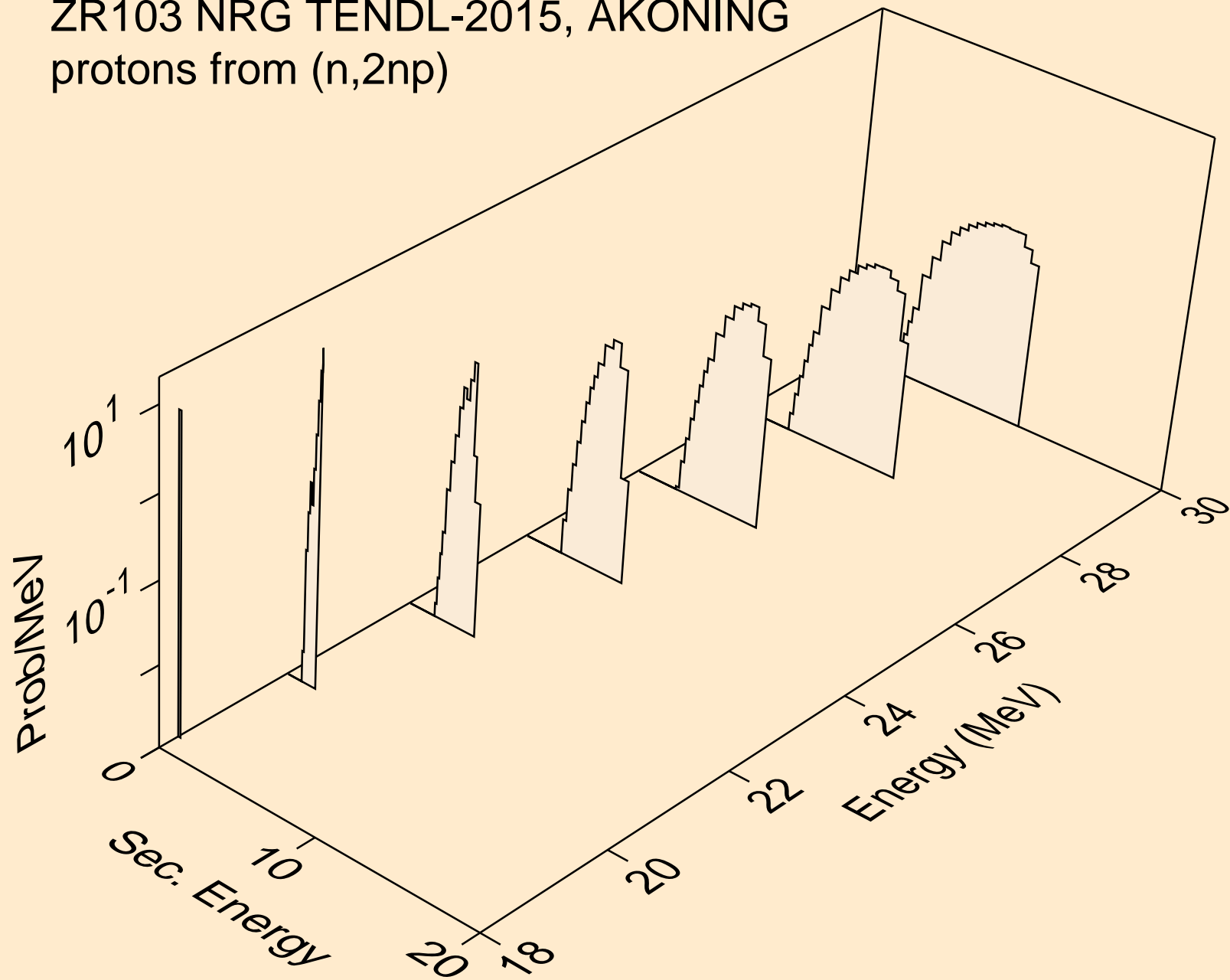
ZR103 NRG TENDL-2015, AKONING  
protons from (n,x)



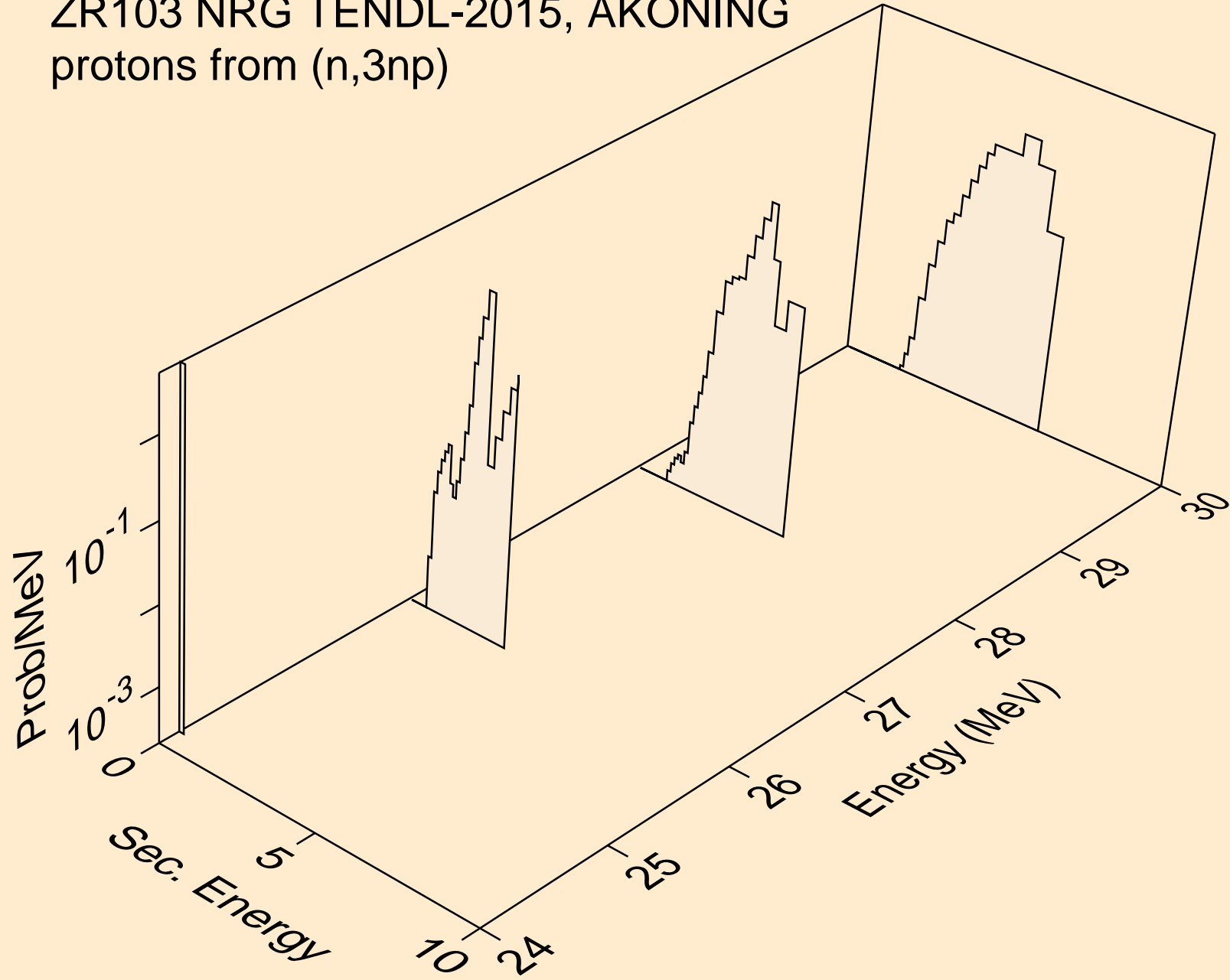
ZR103 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



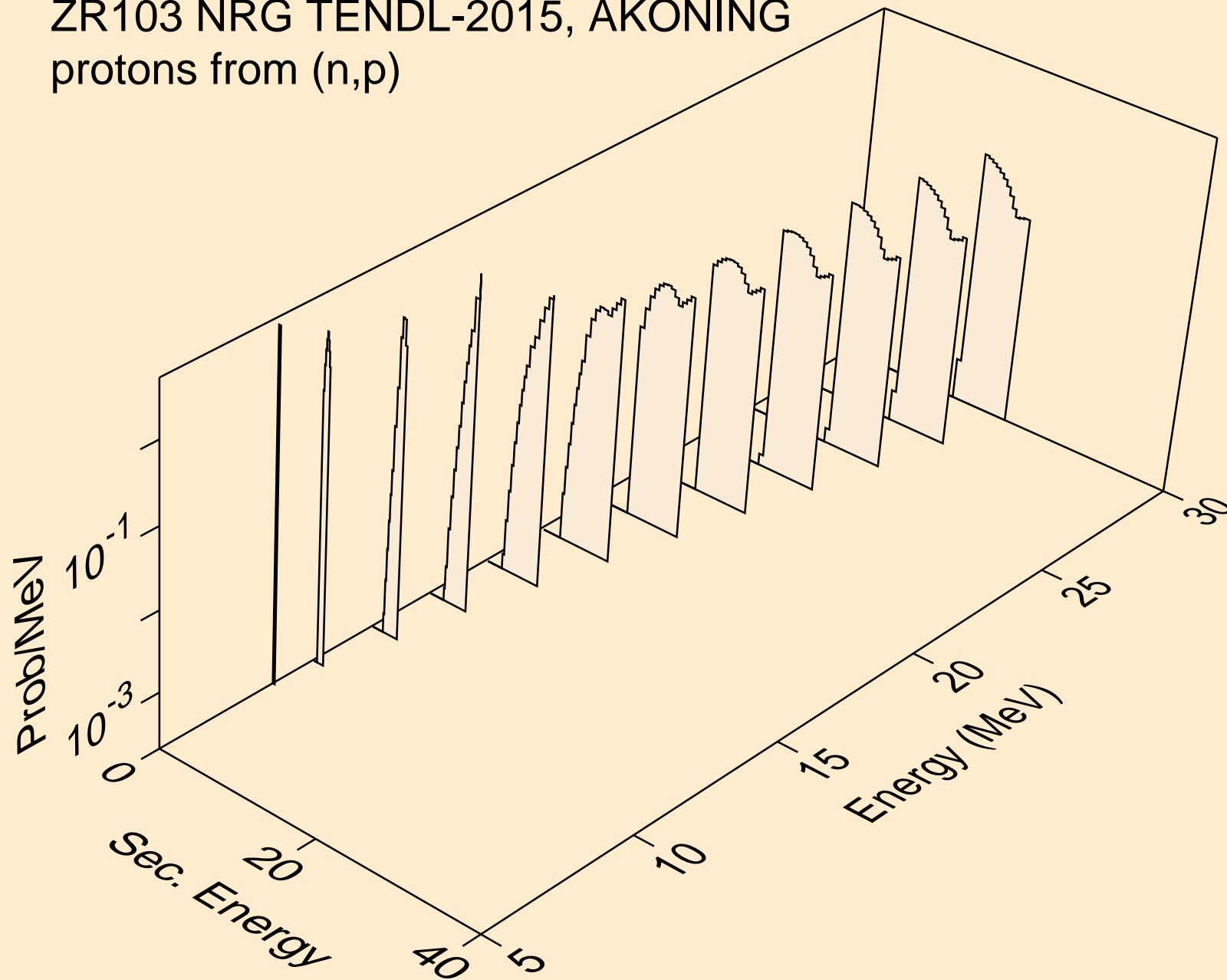
ZR103 NRG TENDL-2015, AKONING  
protons from (n,2np)



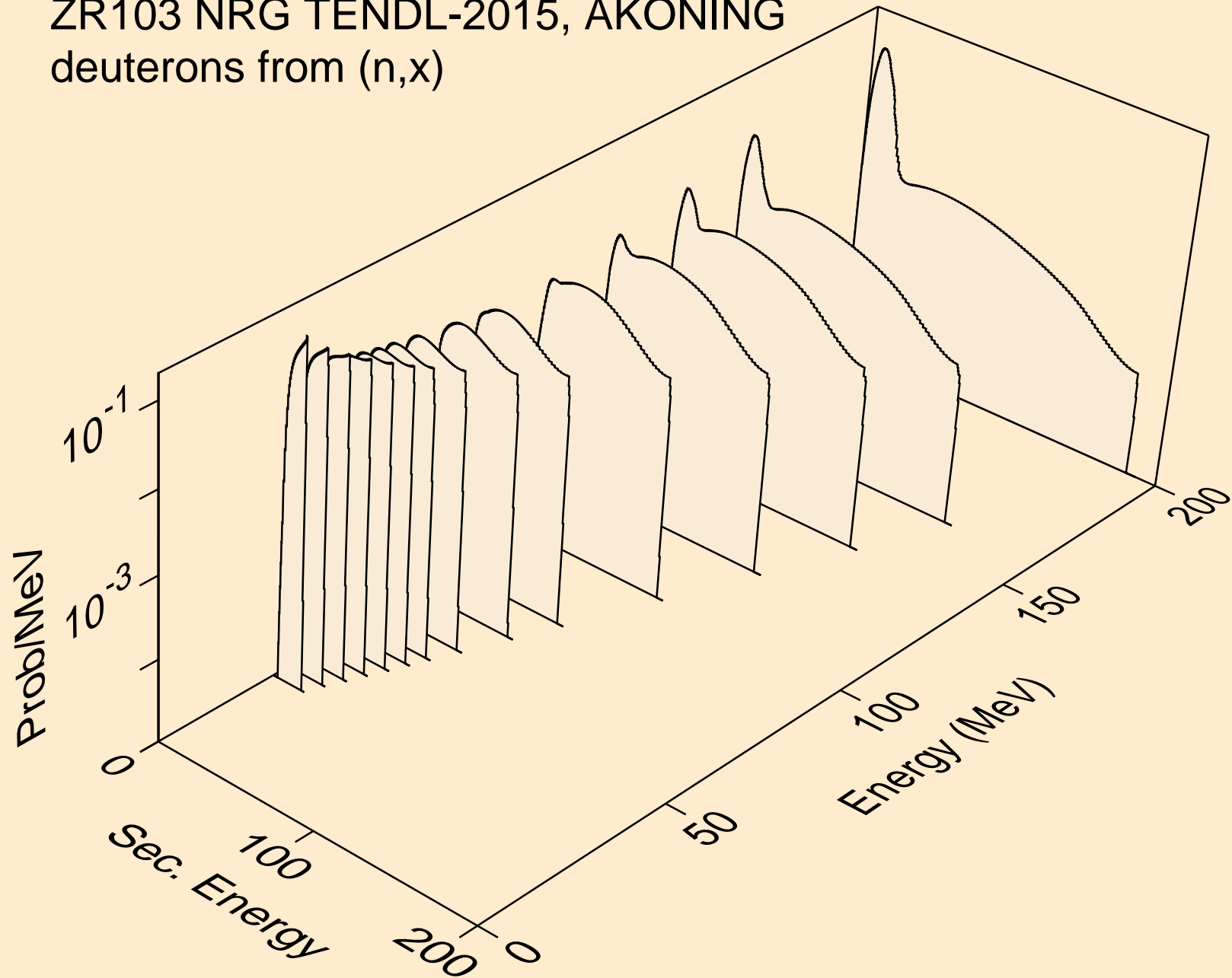
ZR103 NRG TENDL-2015, AKONING  
protons from (n,3np)



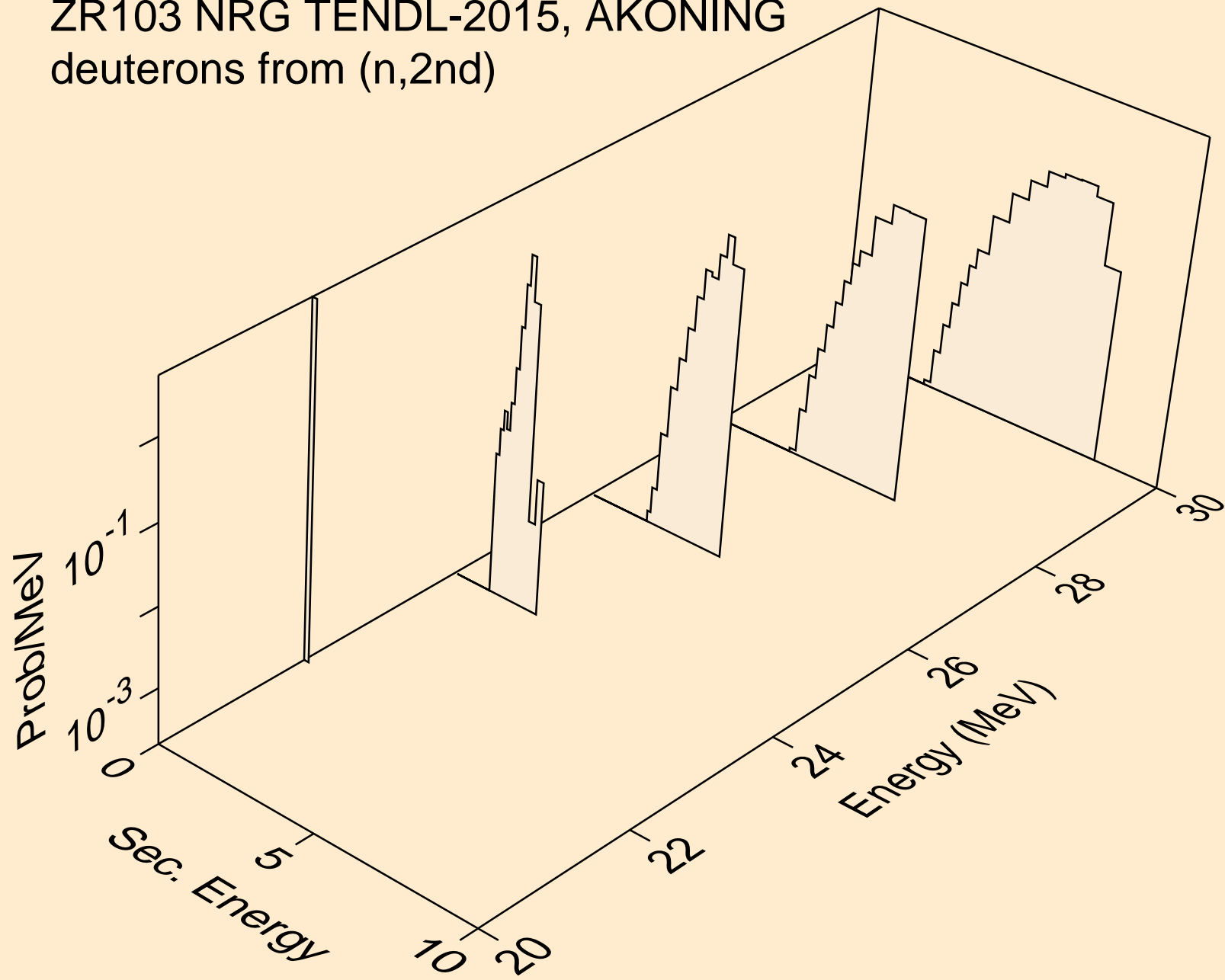
ZR103 NRG TENDL-2015, AKONING  
protons from (n,p)



ZR103 NRG TENDL-2015, AKONING  
deuterons from (n,x)

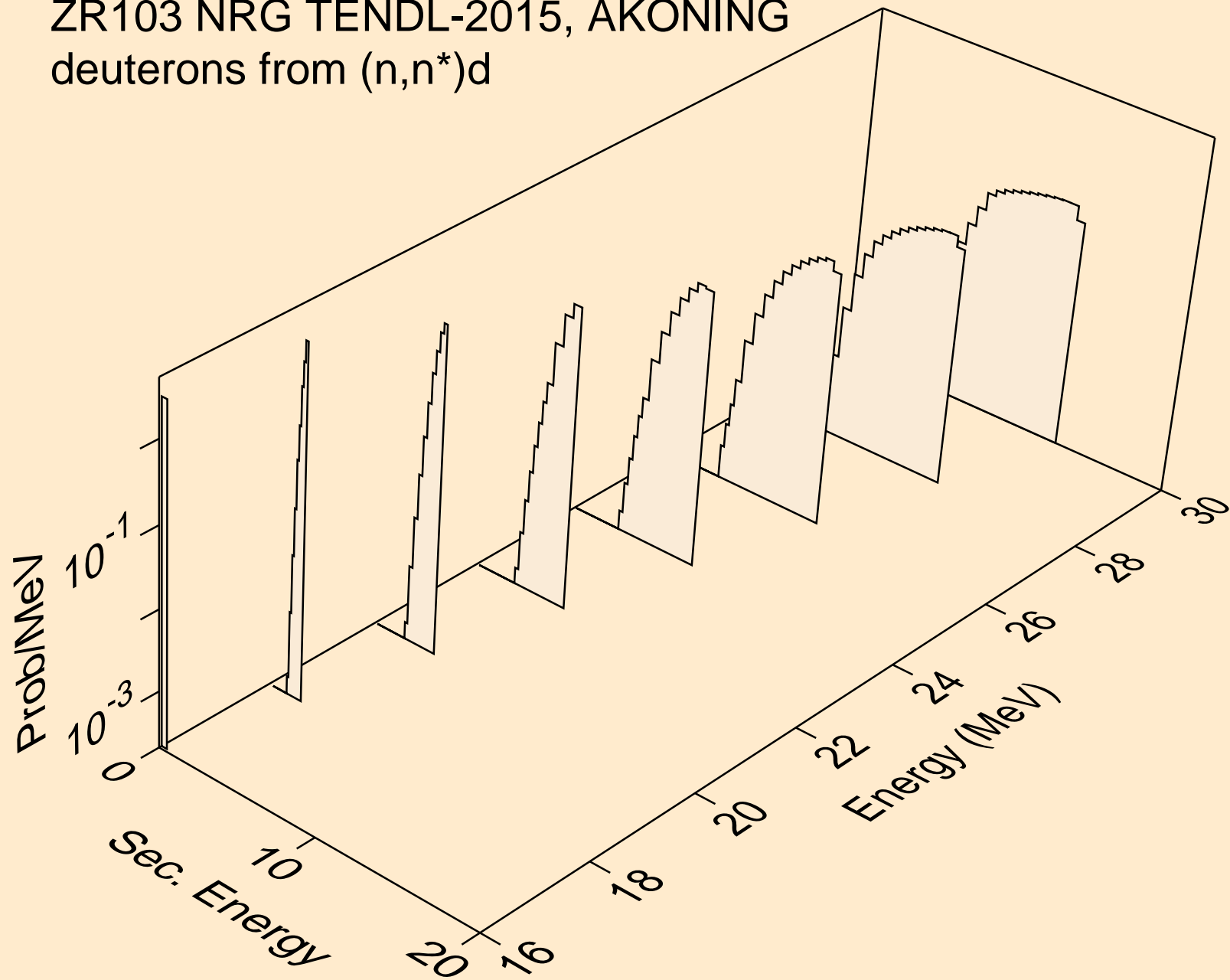


ZR103 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

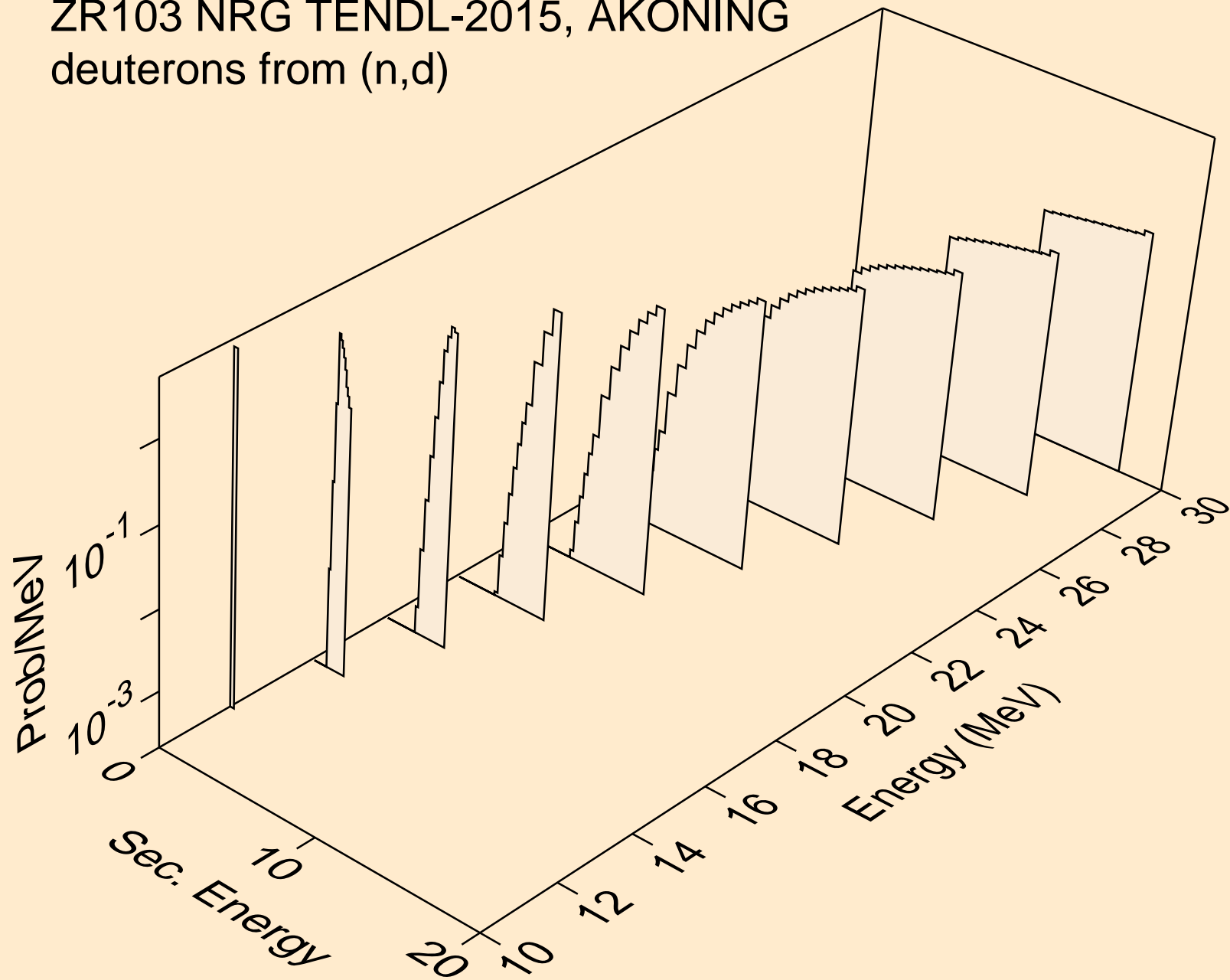




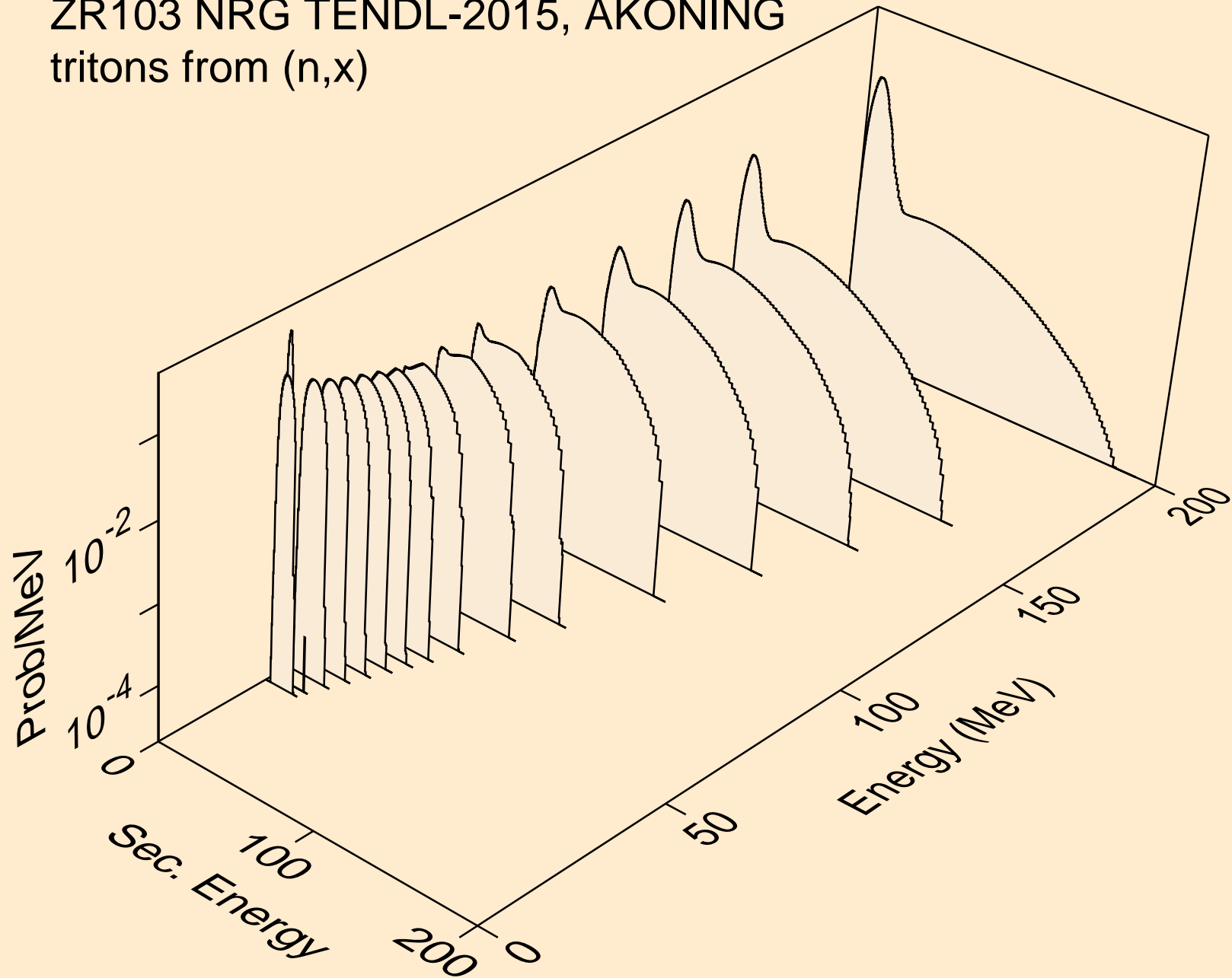
ZR103 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



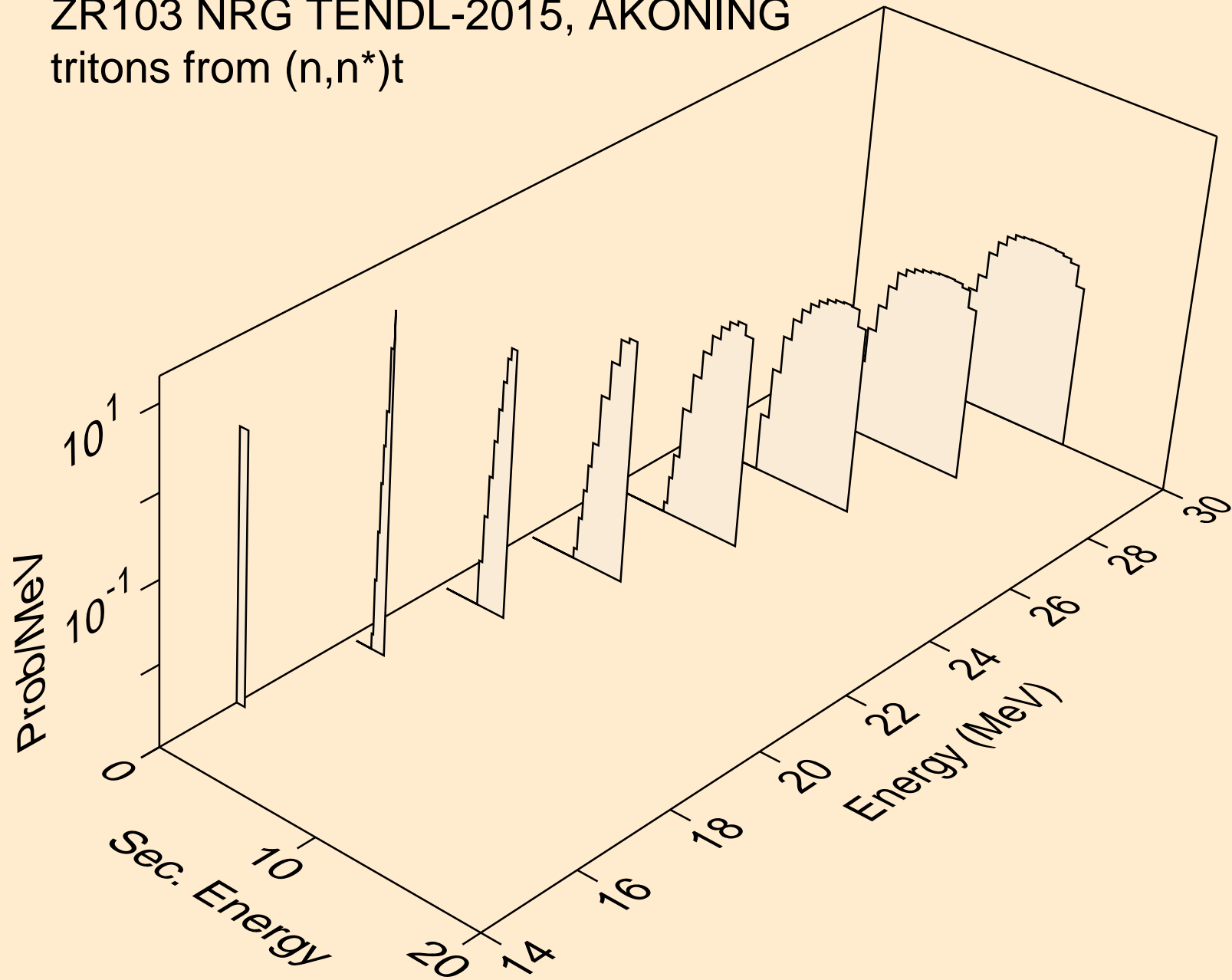
ZR103 NRG TENDL-2015, AKONING  
deuterons from (n,d)



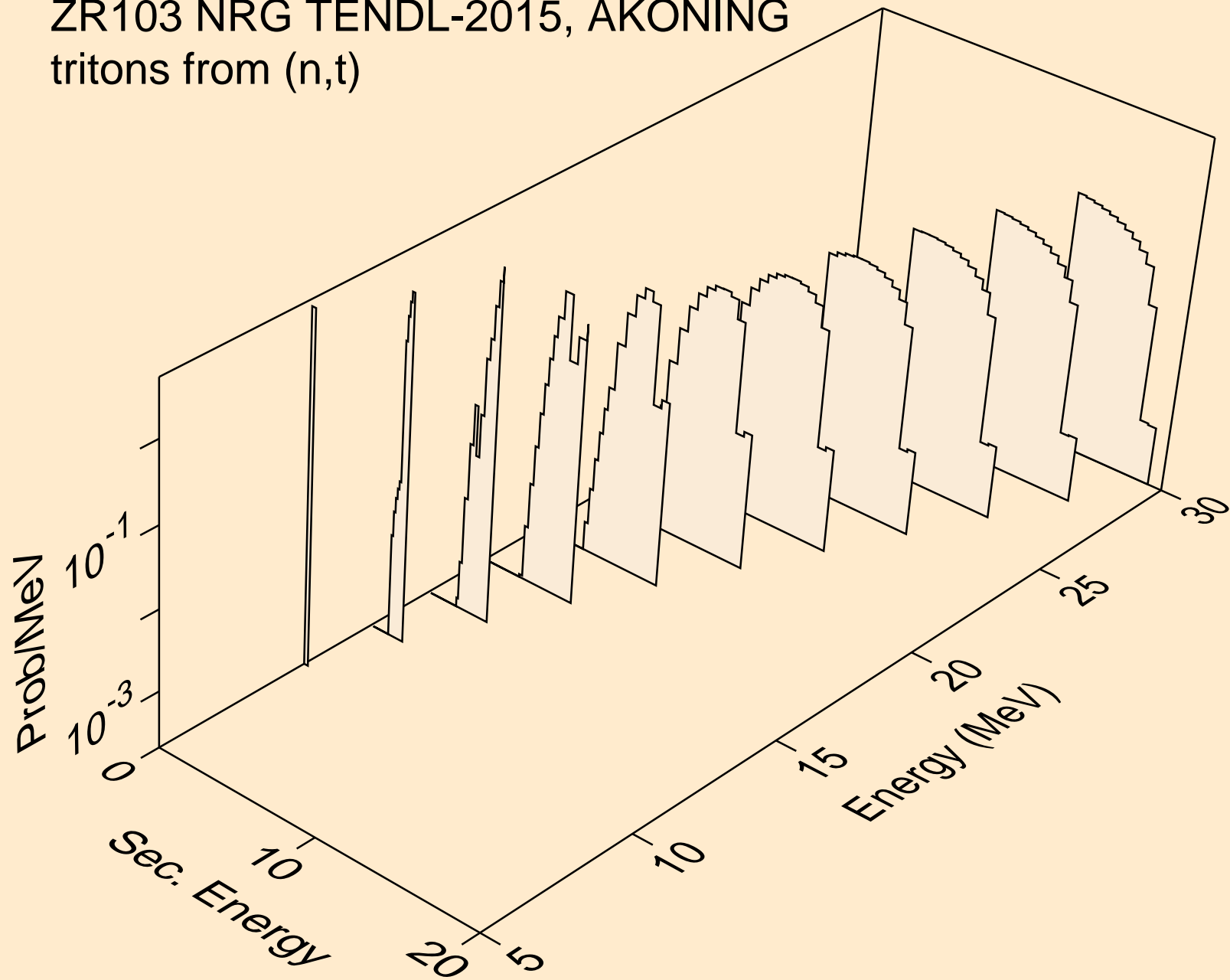
ZR103 NRG TENDL-2015, AKONING  
tritons from (n,x)



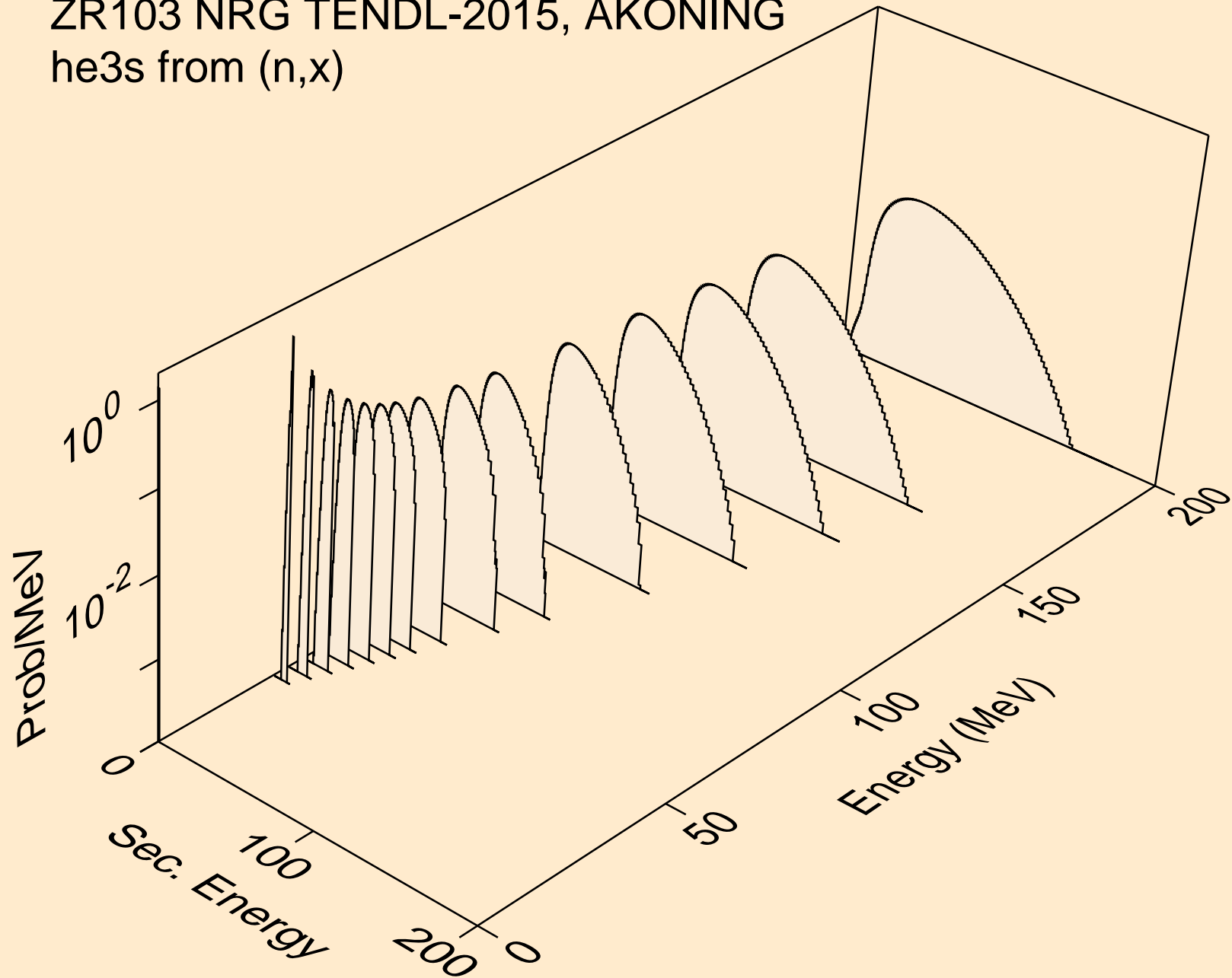
ZR103 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



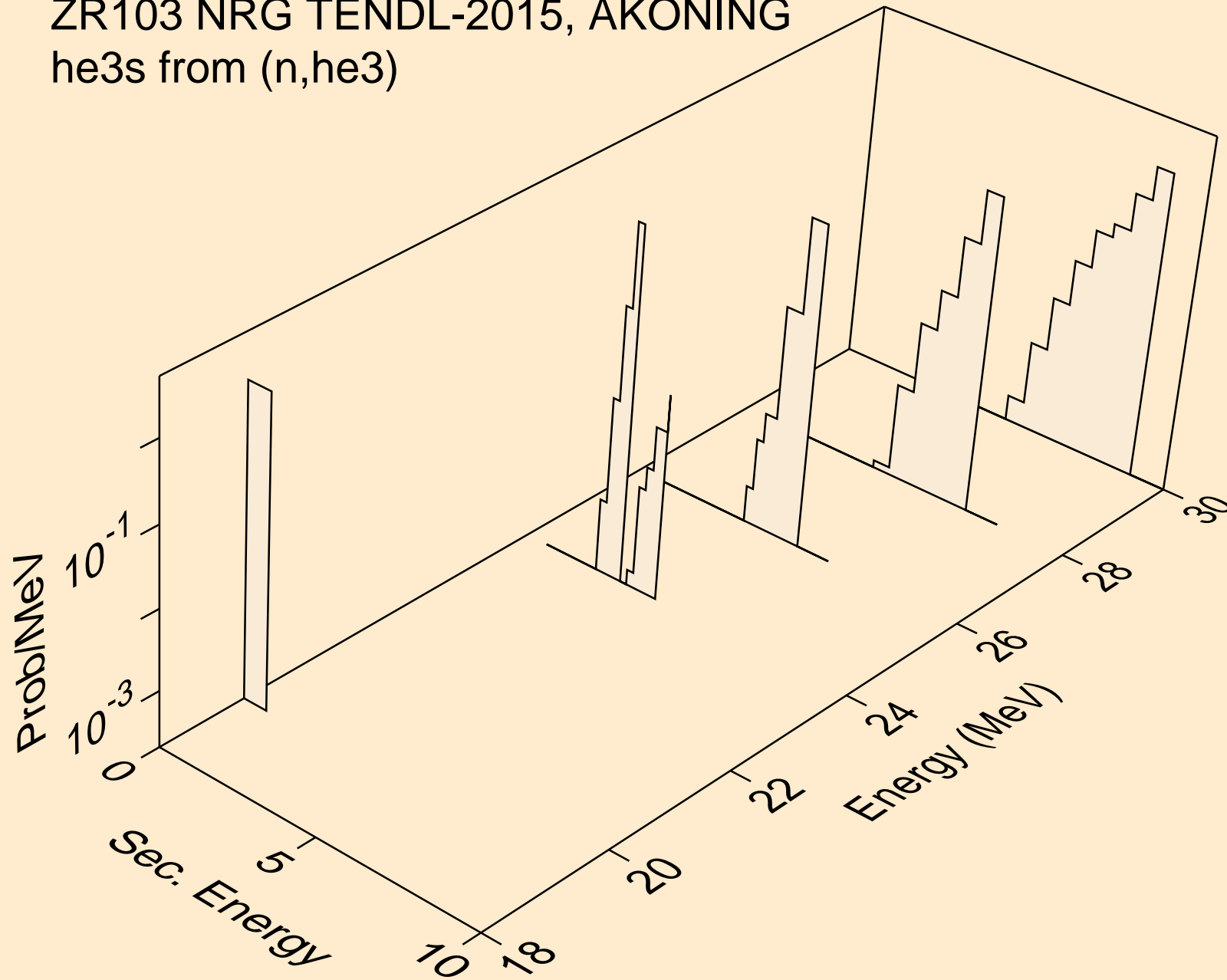
ZR103 NRG TENDL-2015, AKONING  
tritons from (n,t)



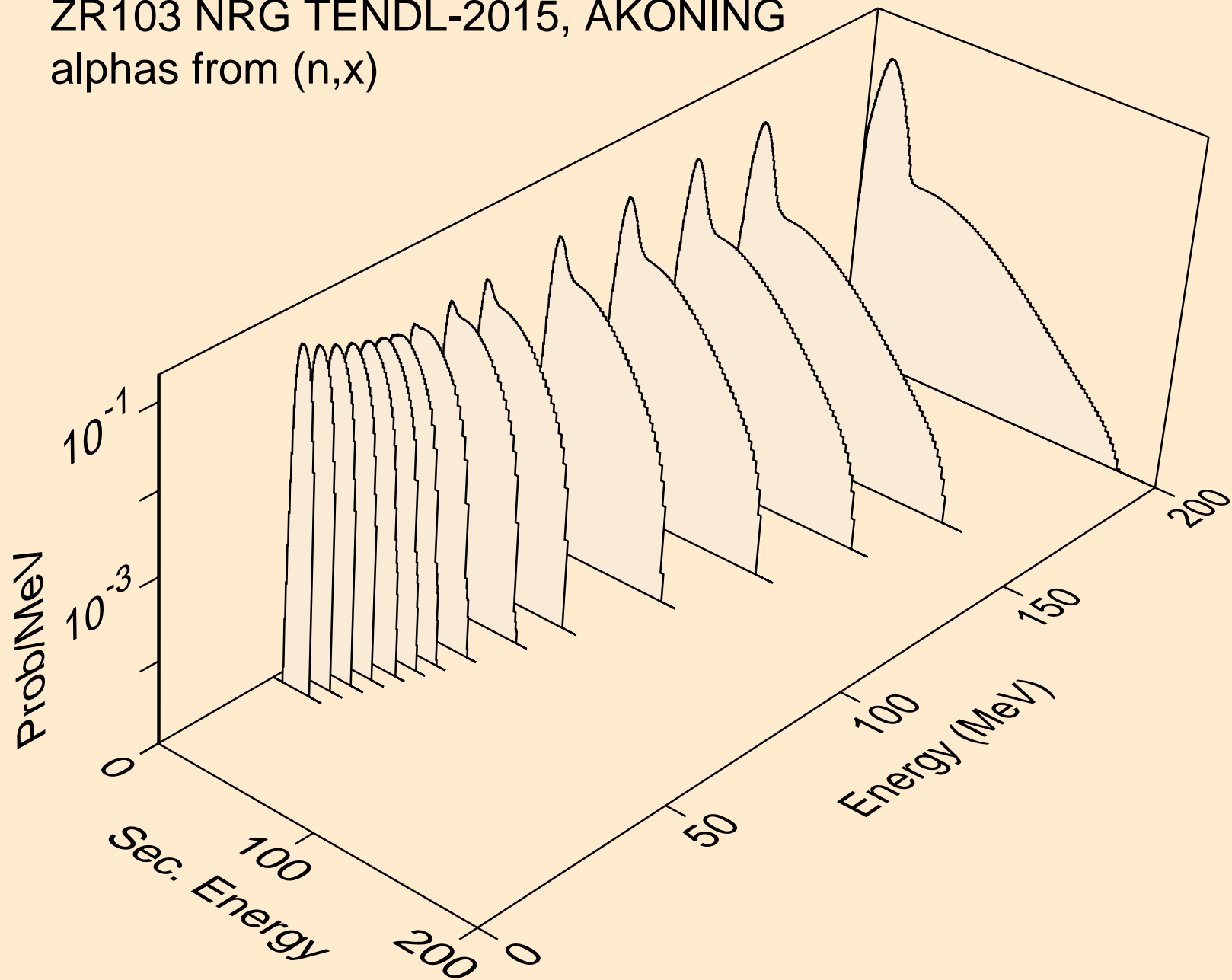
ZR103 NRG TENDL-2015, AKONING  
he3s from (n,x)



ZR103 NRG TENDL-2015, AKONING  
he3s from (n,he3)

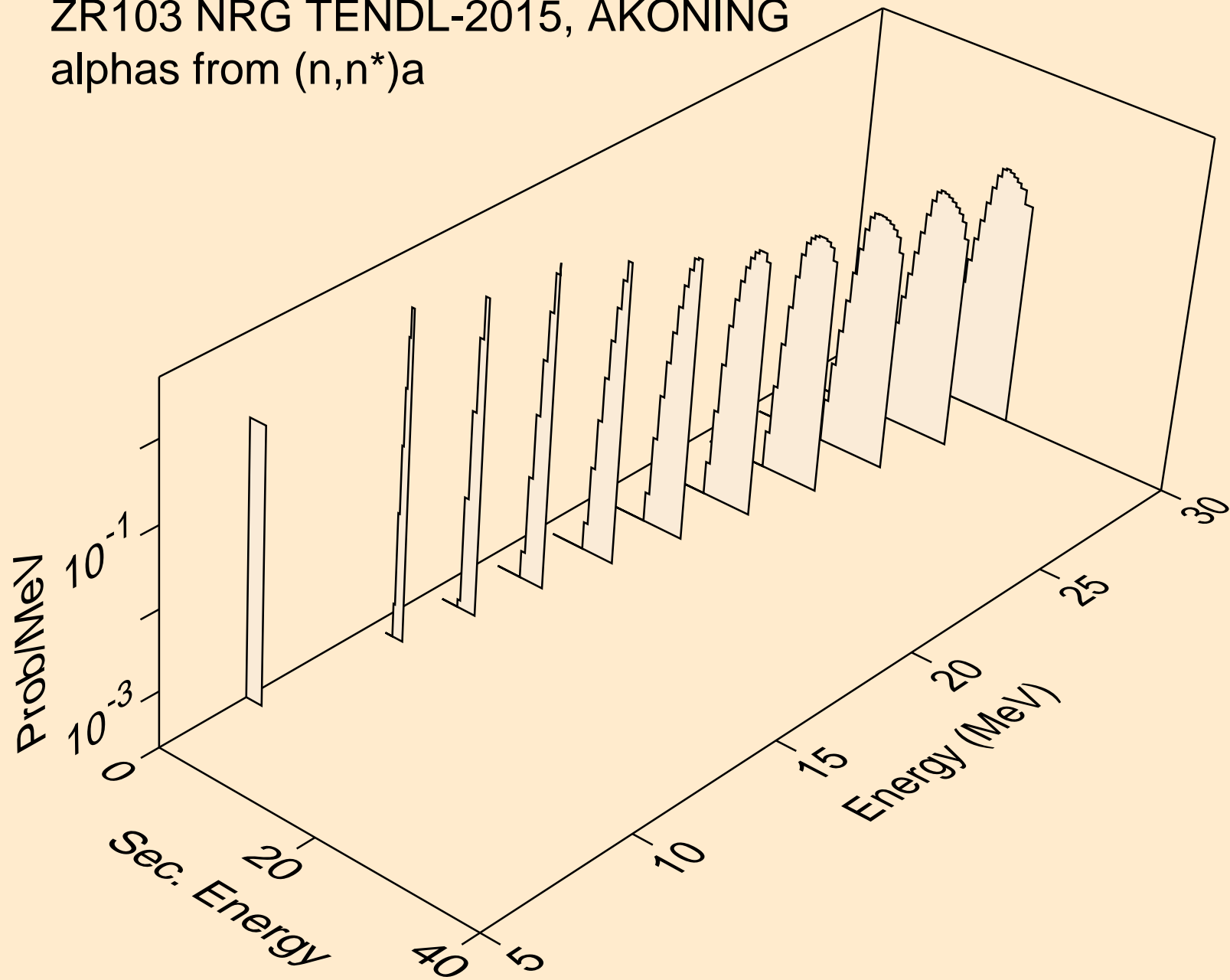


ZR103 NRG TENDL-2015, AKONING  
alphas from (n,x)

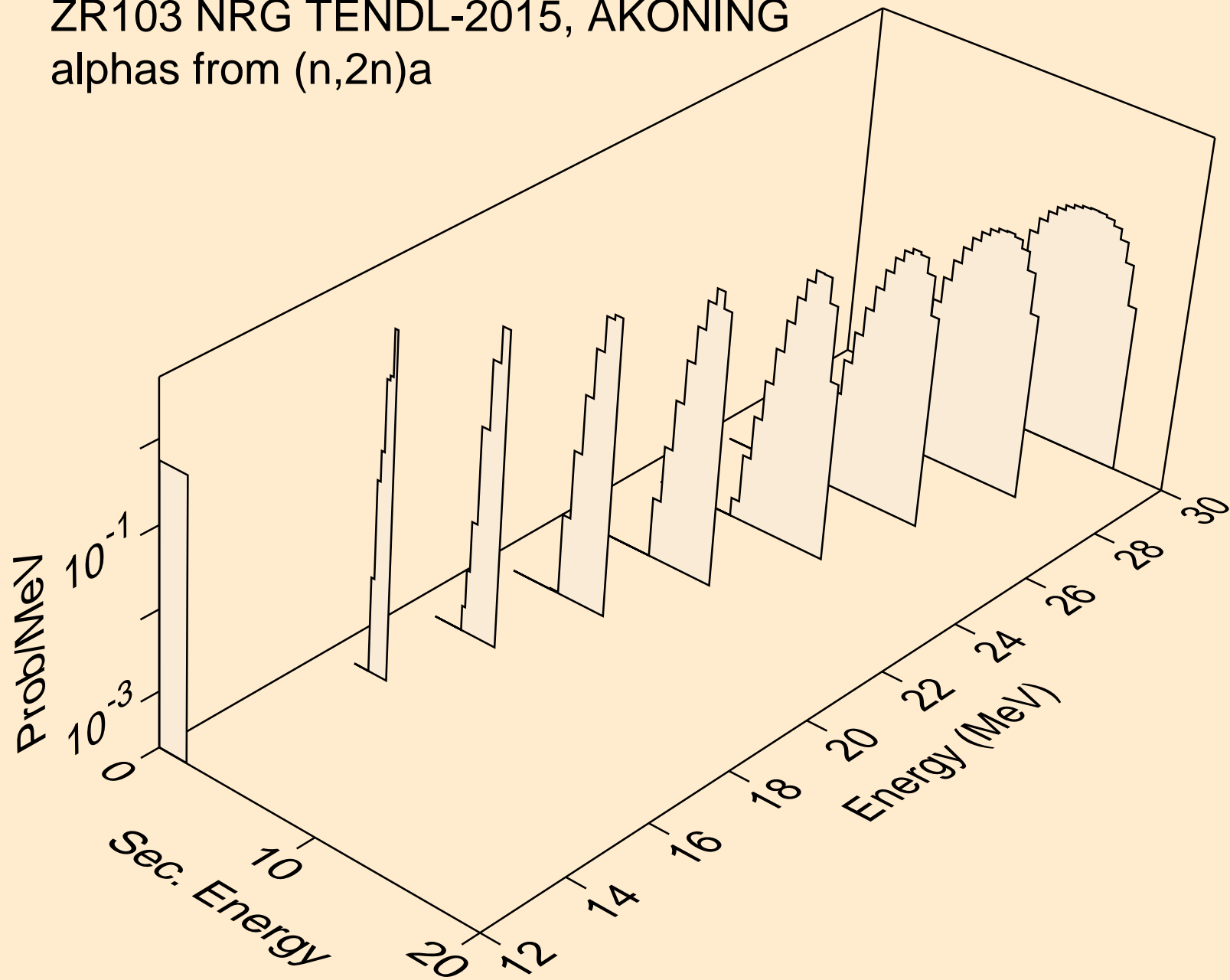




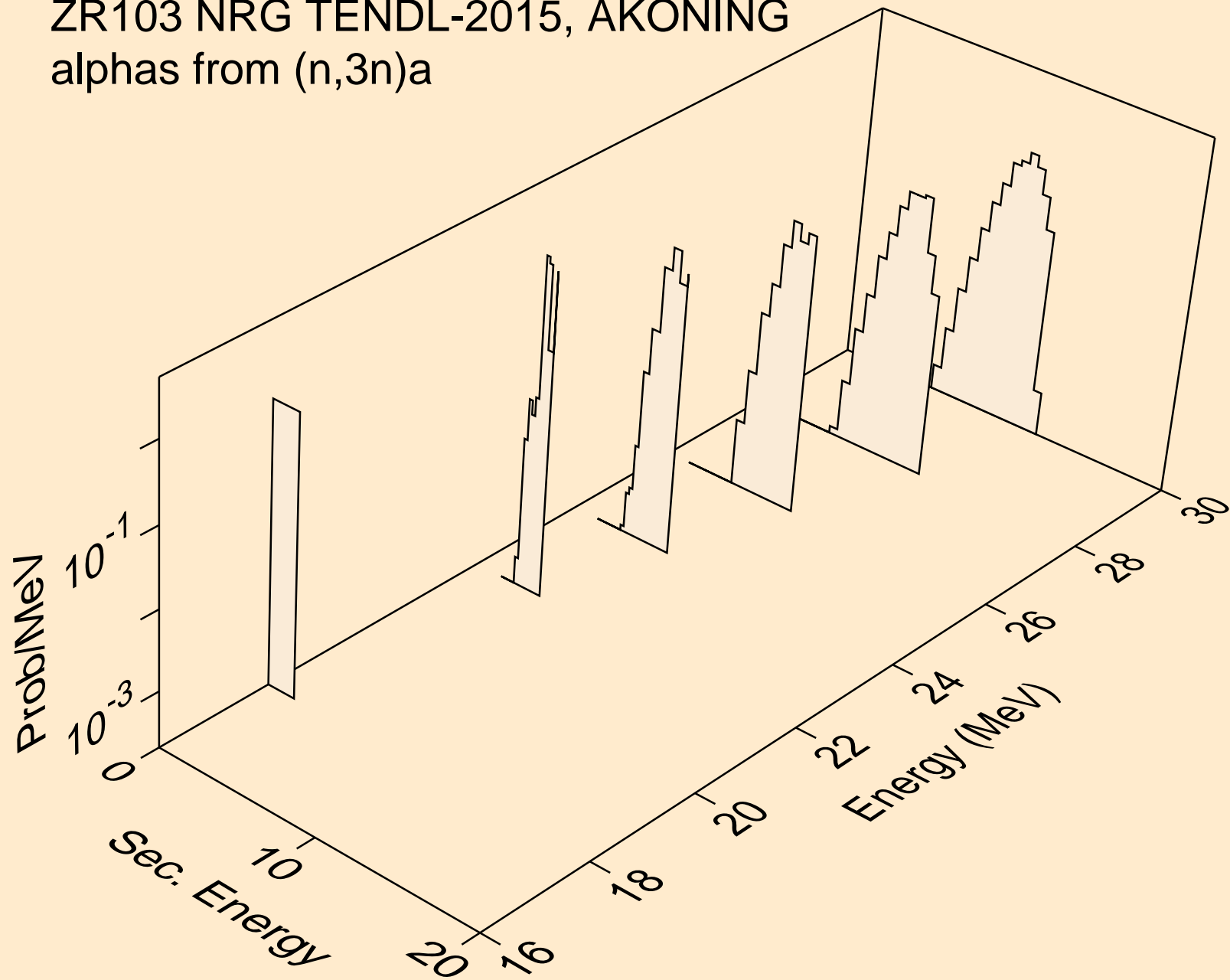
ZR103 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



ZR103 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



ZR103 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



ZR103 NRG TENDL-2015, AKONING  
alphas from (n,a)

