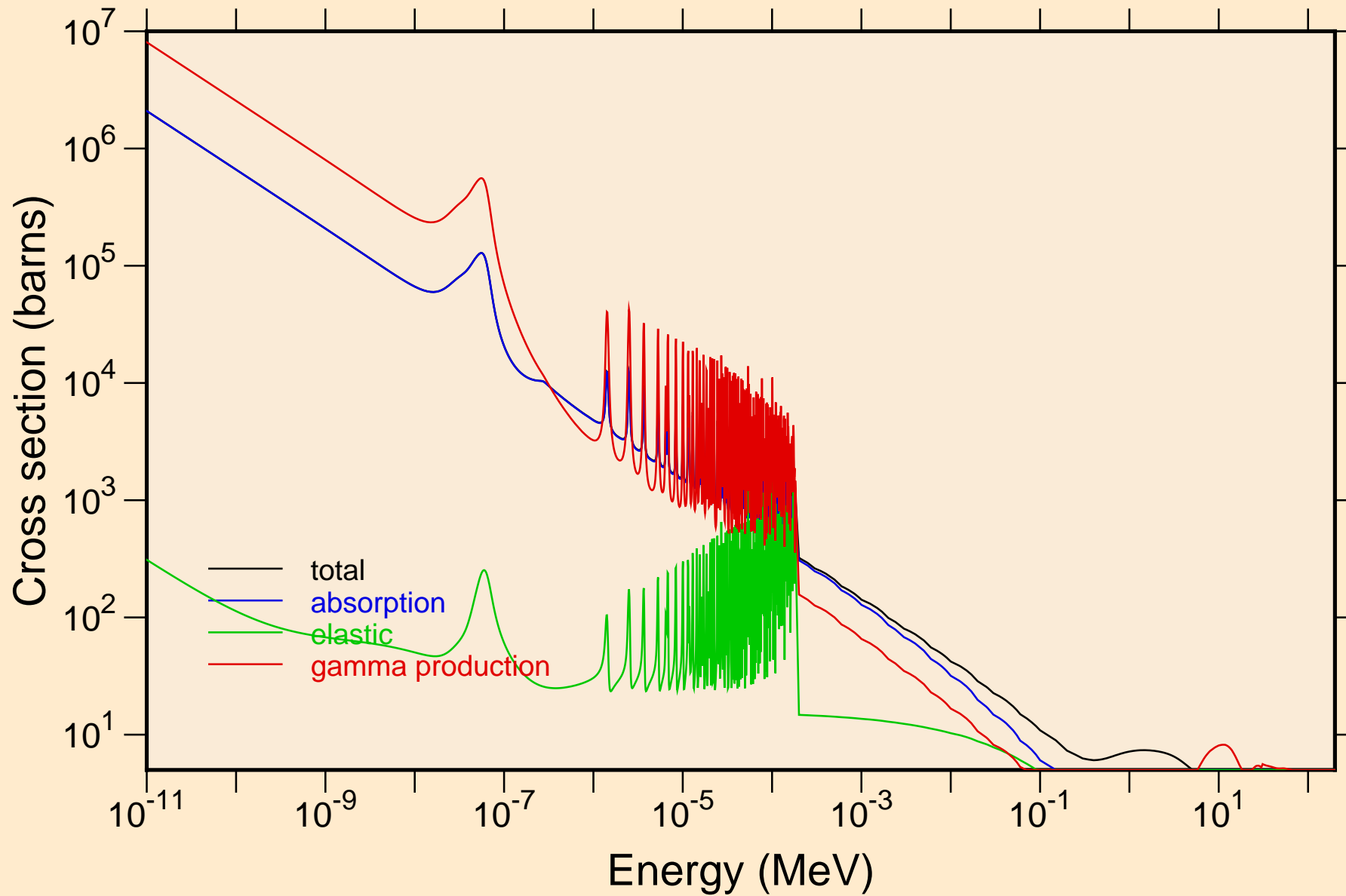
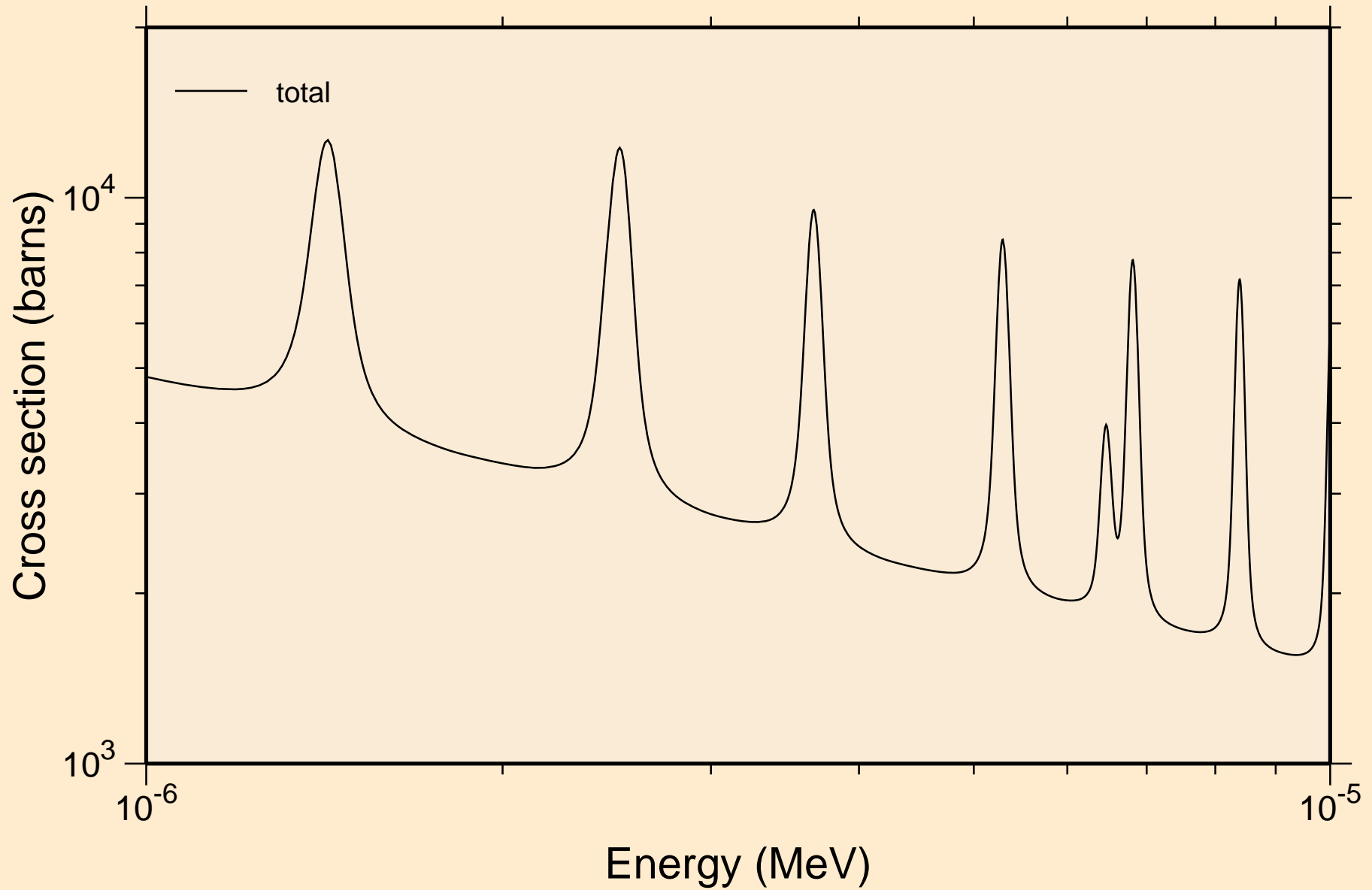


# ER147 NRG TENDL-2015, AKONING

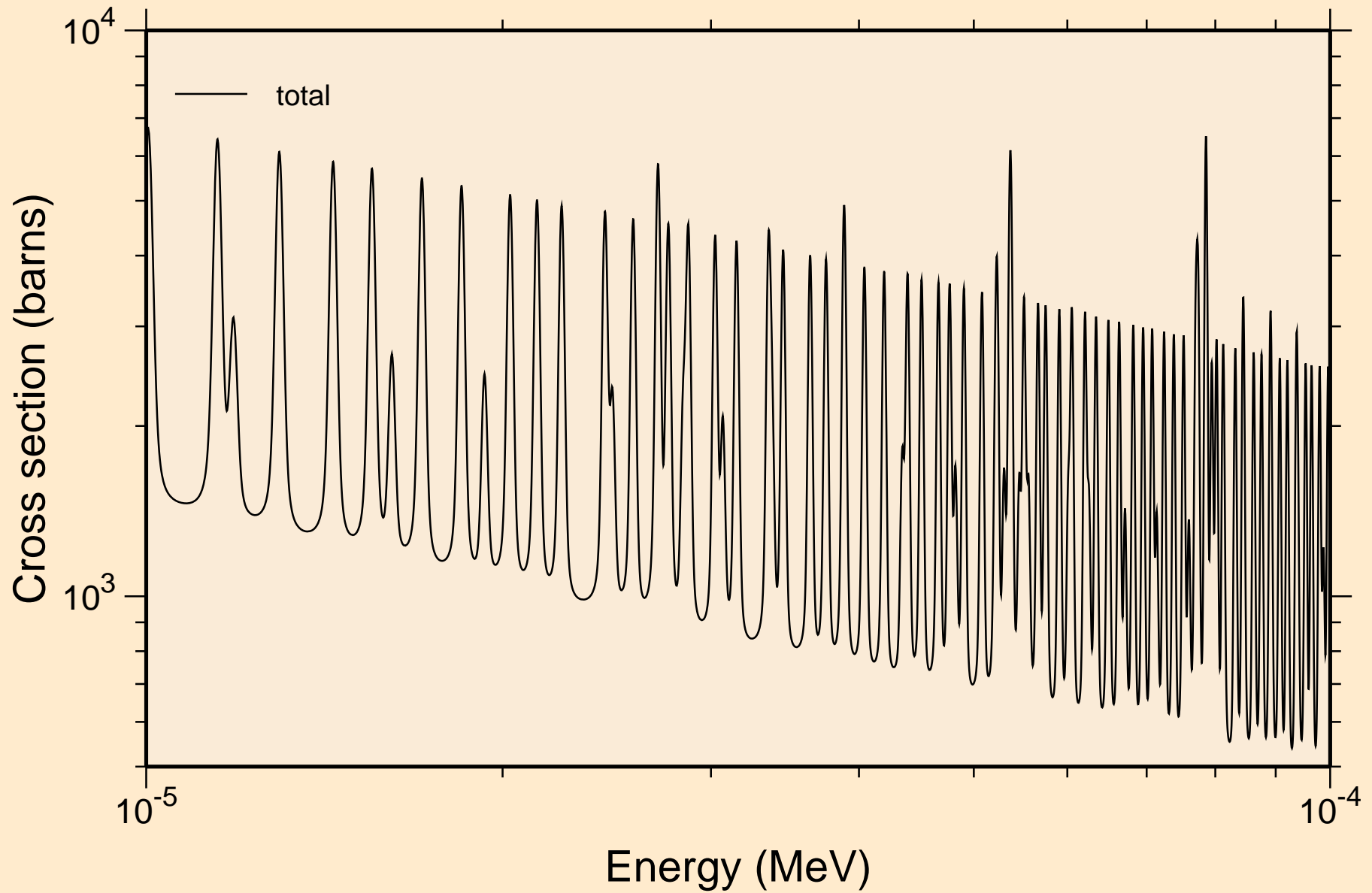
## Principal cross sections



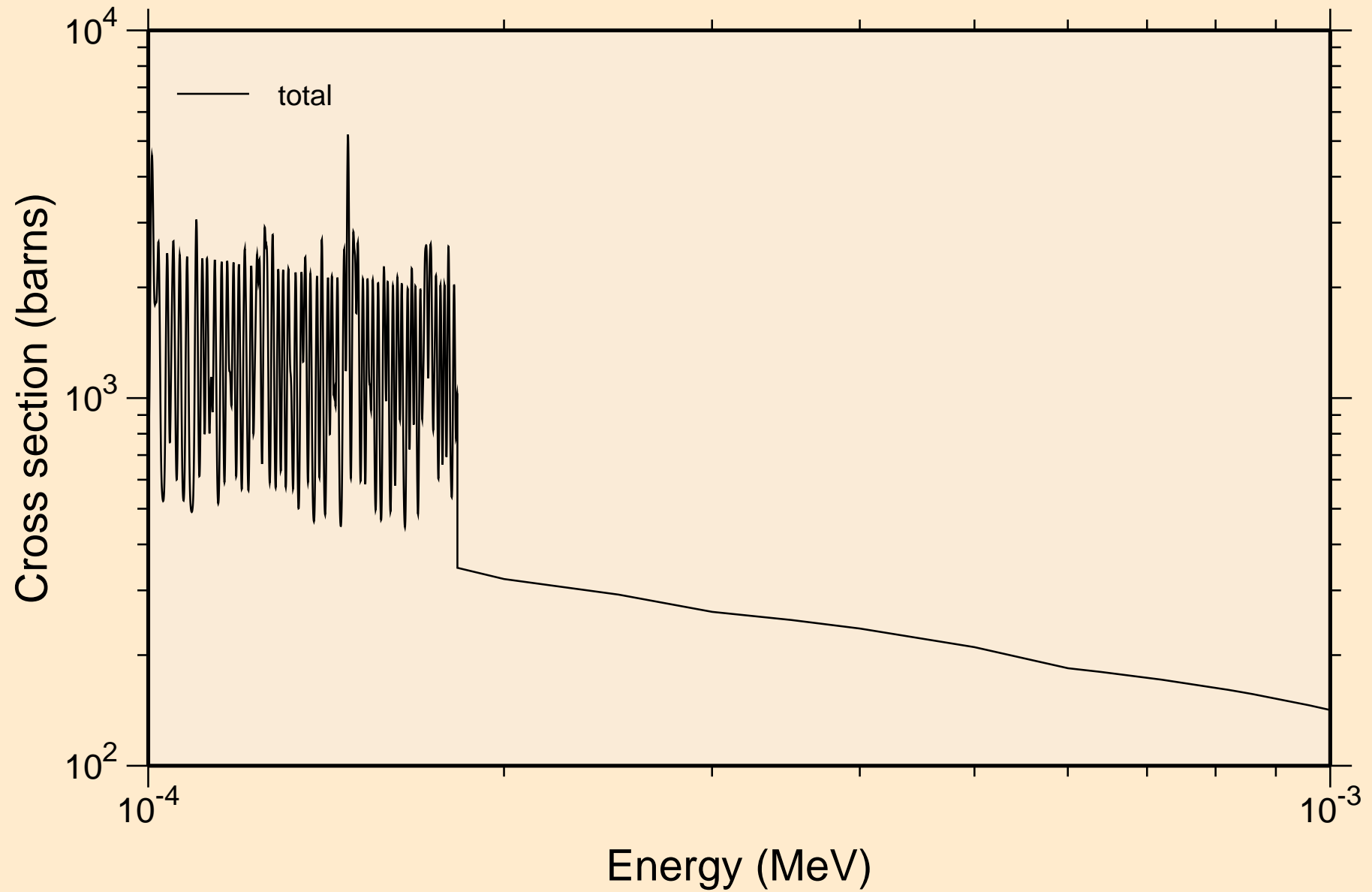
ER147 NRG TENDL-2015, AKONING  
resonance total cross section



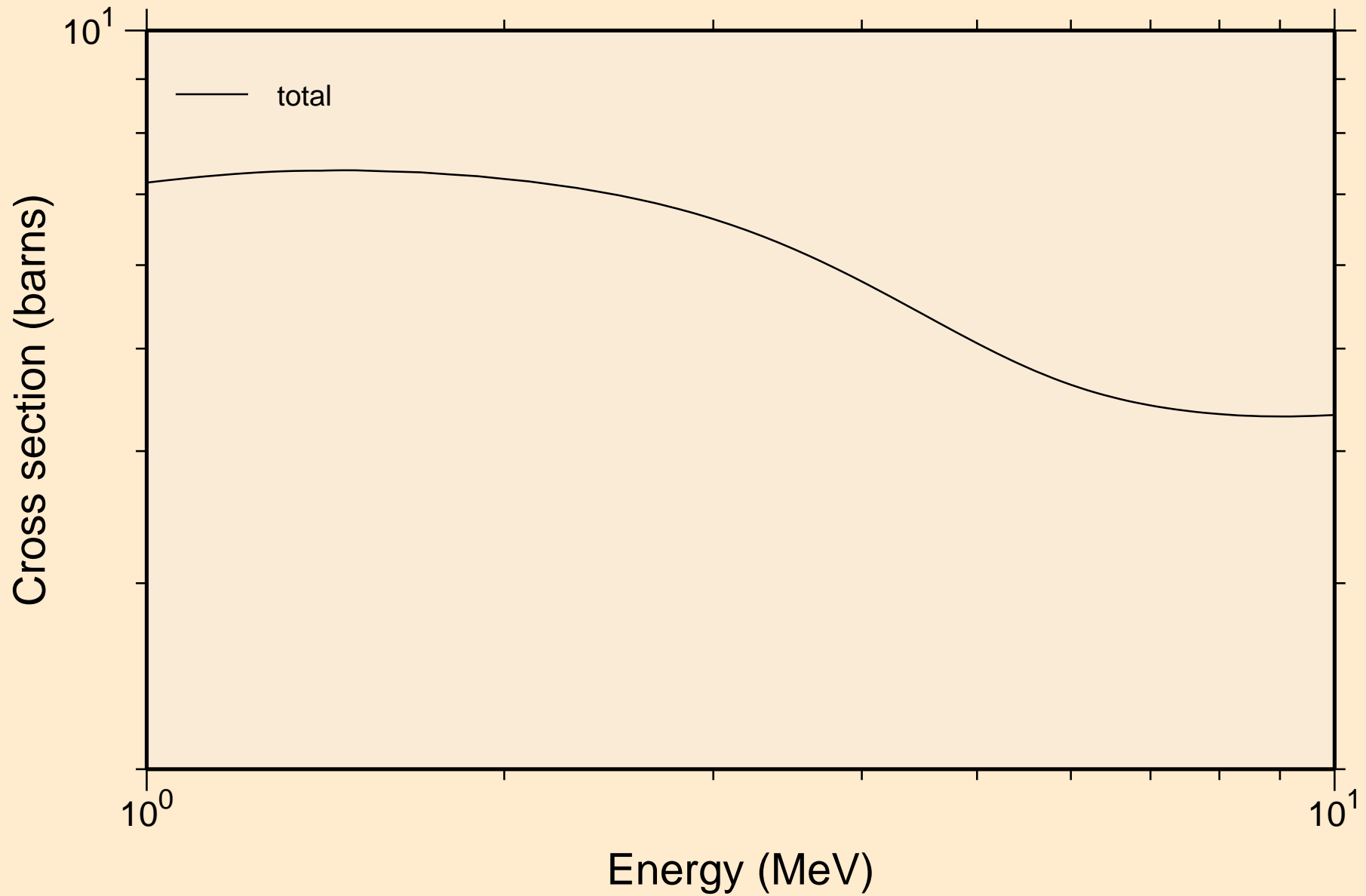
ER147 NRG TENDL-2015, AKONING  
resonance total cross section



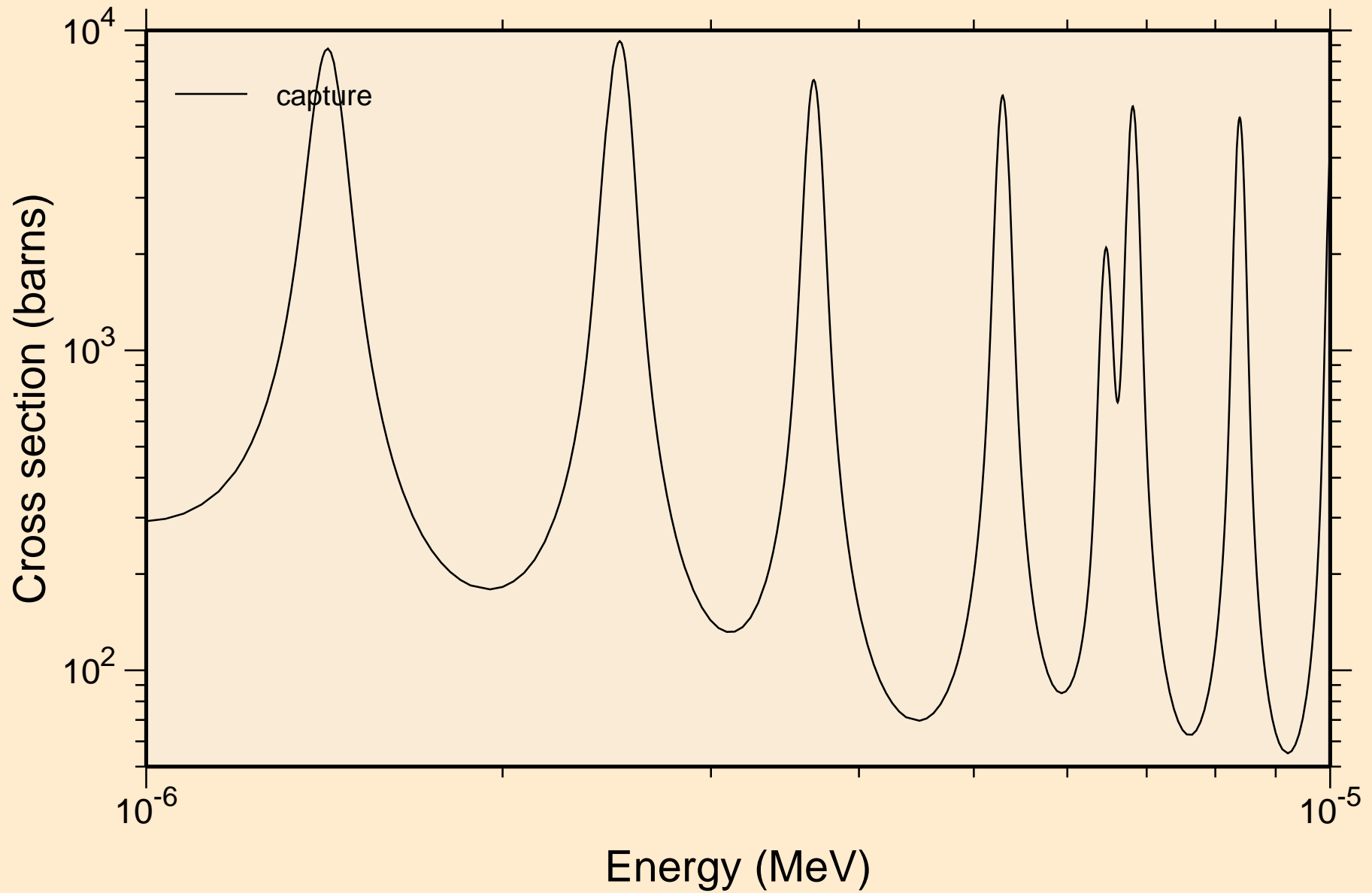
ER147 NRG TENDL-2015, AKONING  
resonance total cross section



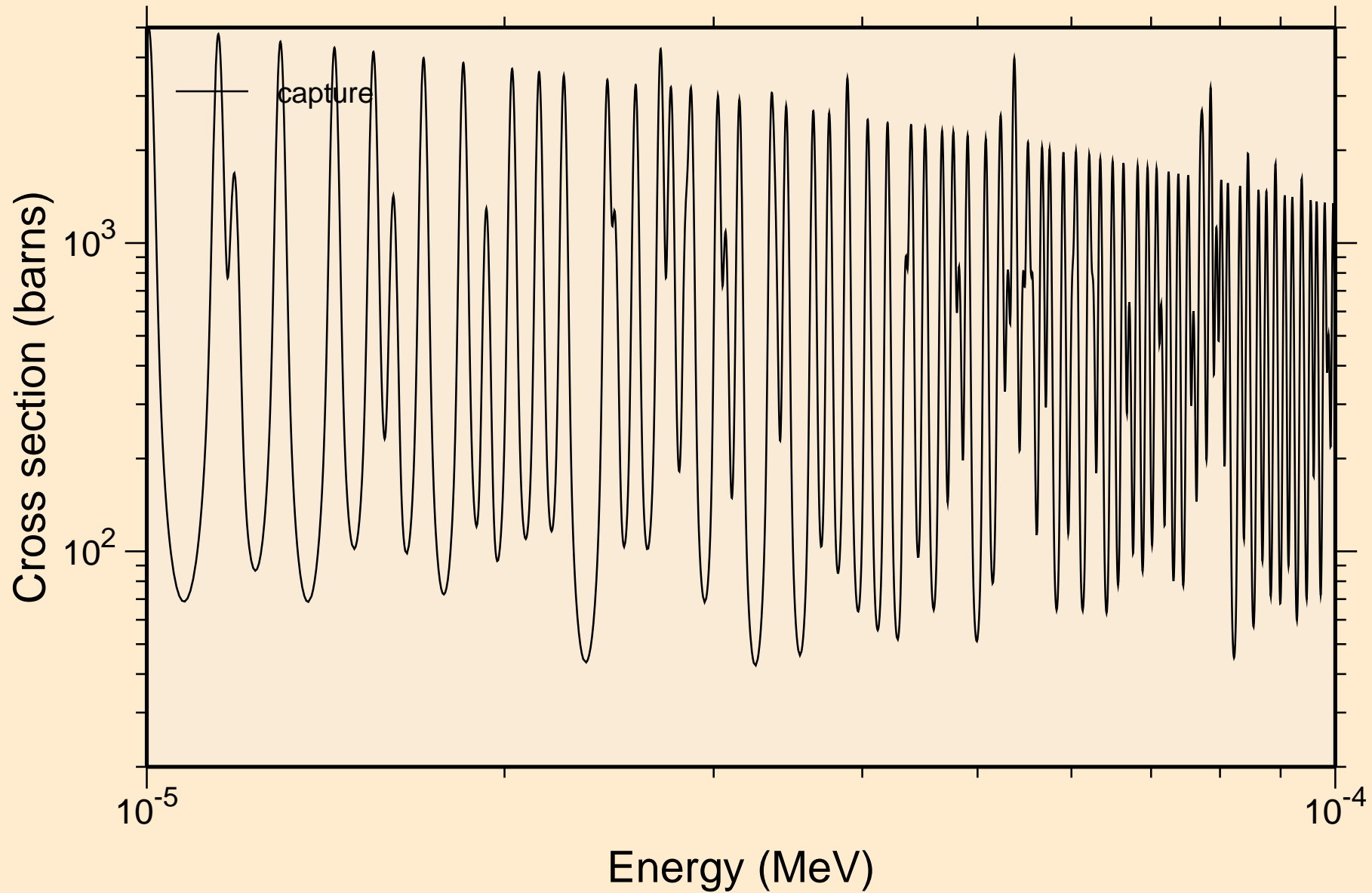
ER147 NRG TENDL-2015, AKONING  
resonance total cross section



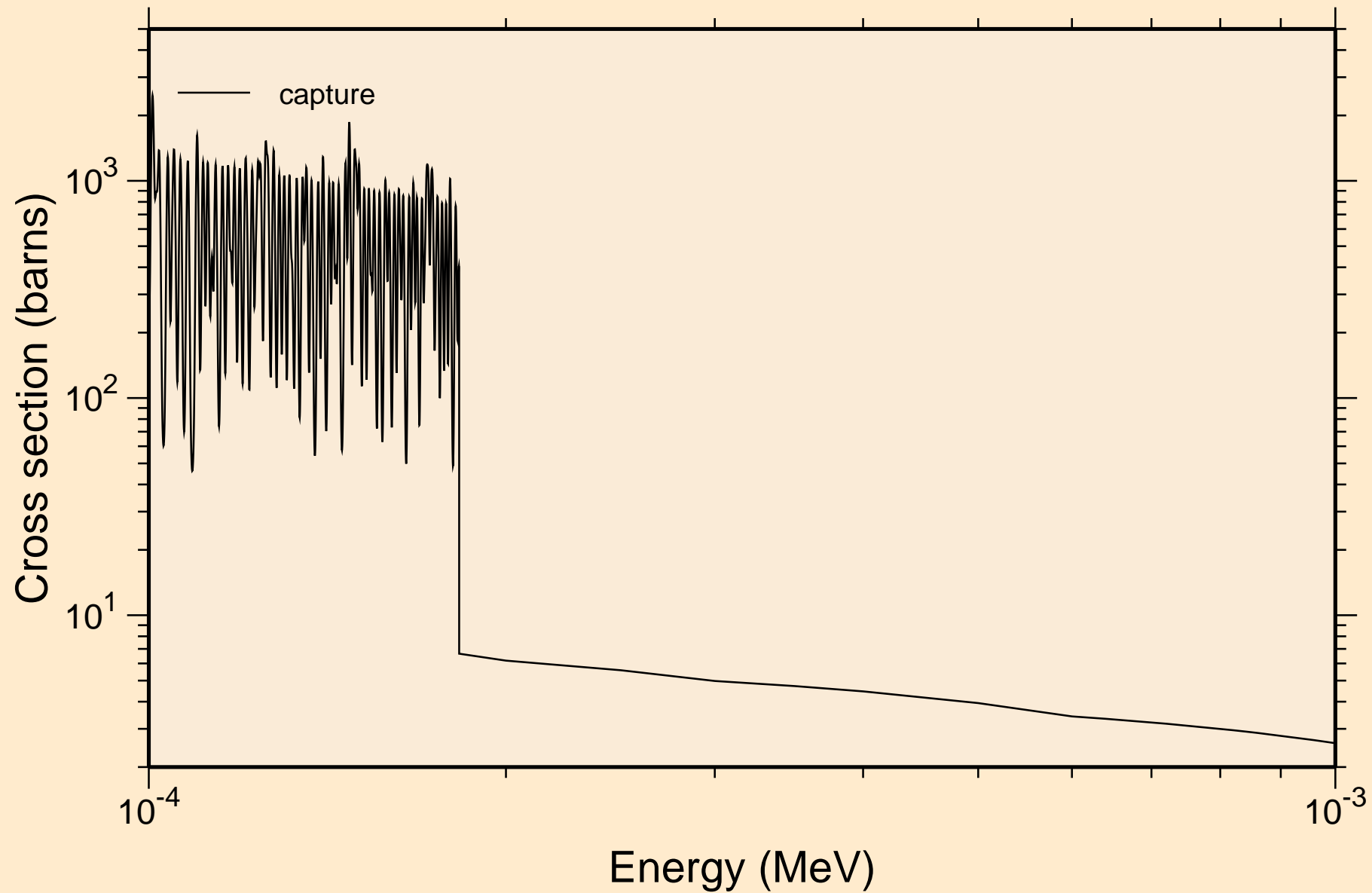
ER147 NRG TENDL-2015, AKONING  
resonance absorption cross sections



ER147 NRG TENDL-2015, AKONING  
resonance absorption cross sections

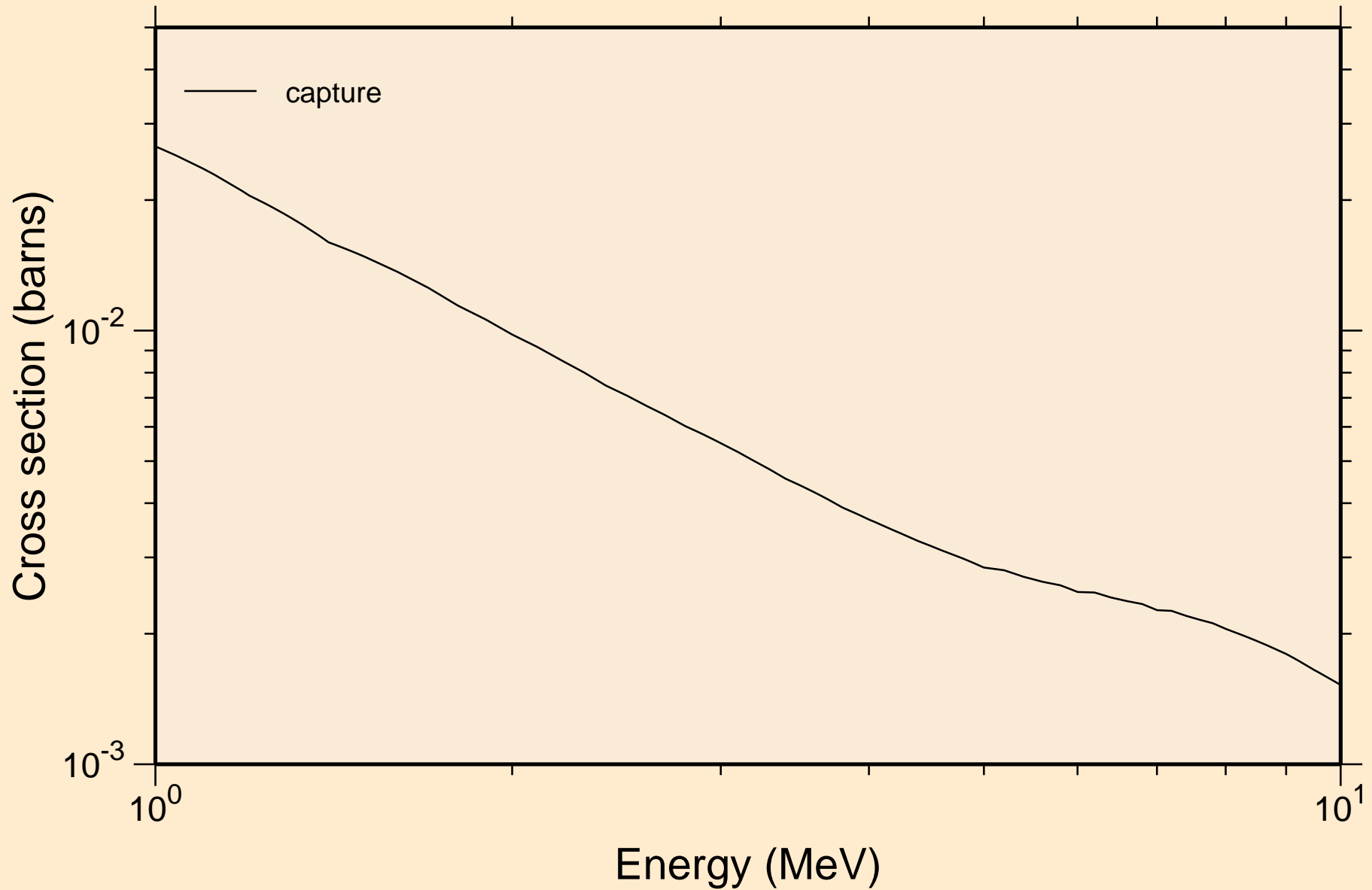


ER147 NRG TENDL-2015, AKONING  
resonance absorption cross sections



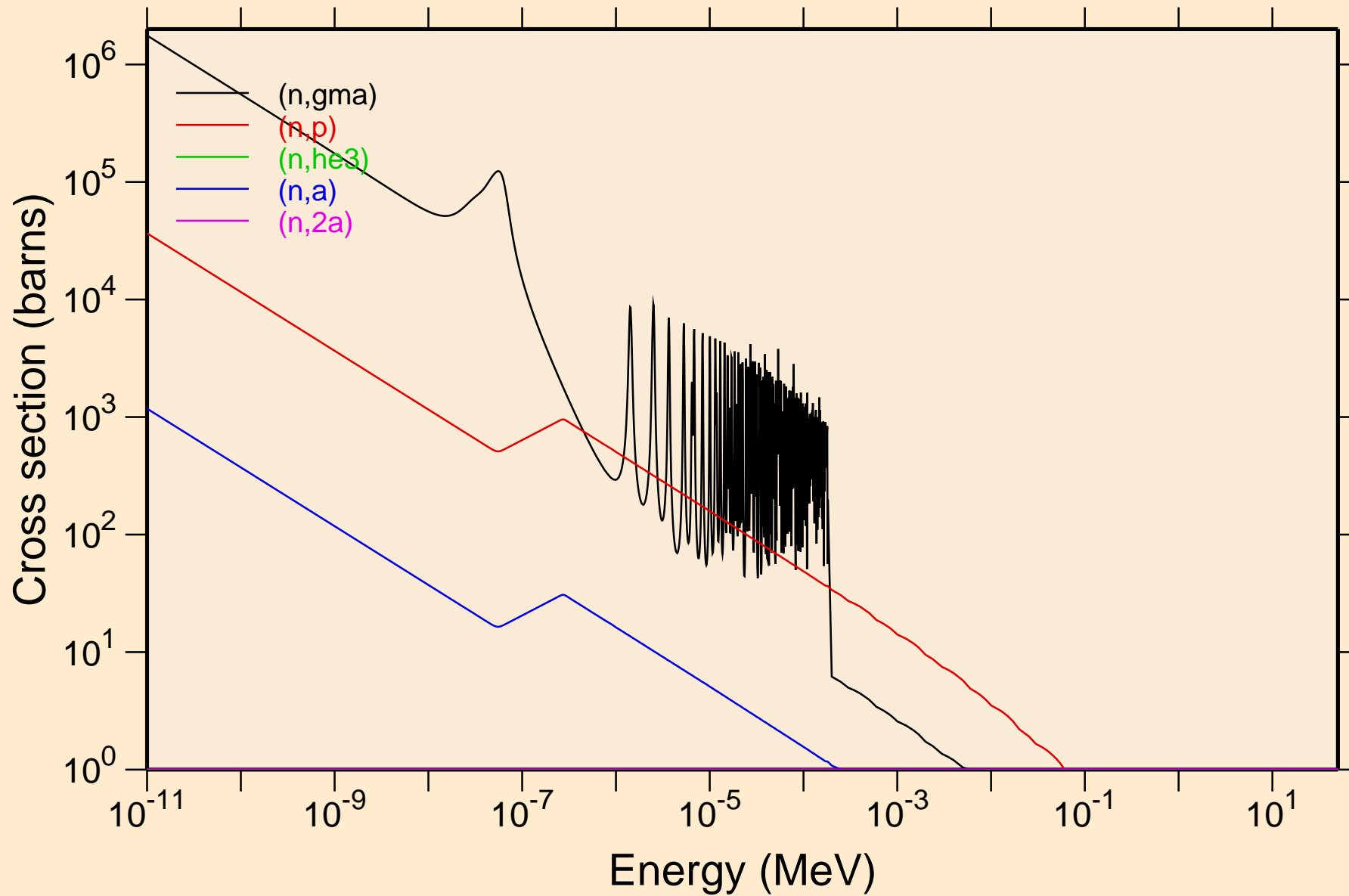


ER147 NRG TENDL-2015, AKONING  
resonance absorption cross sections



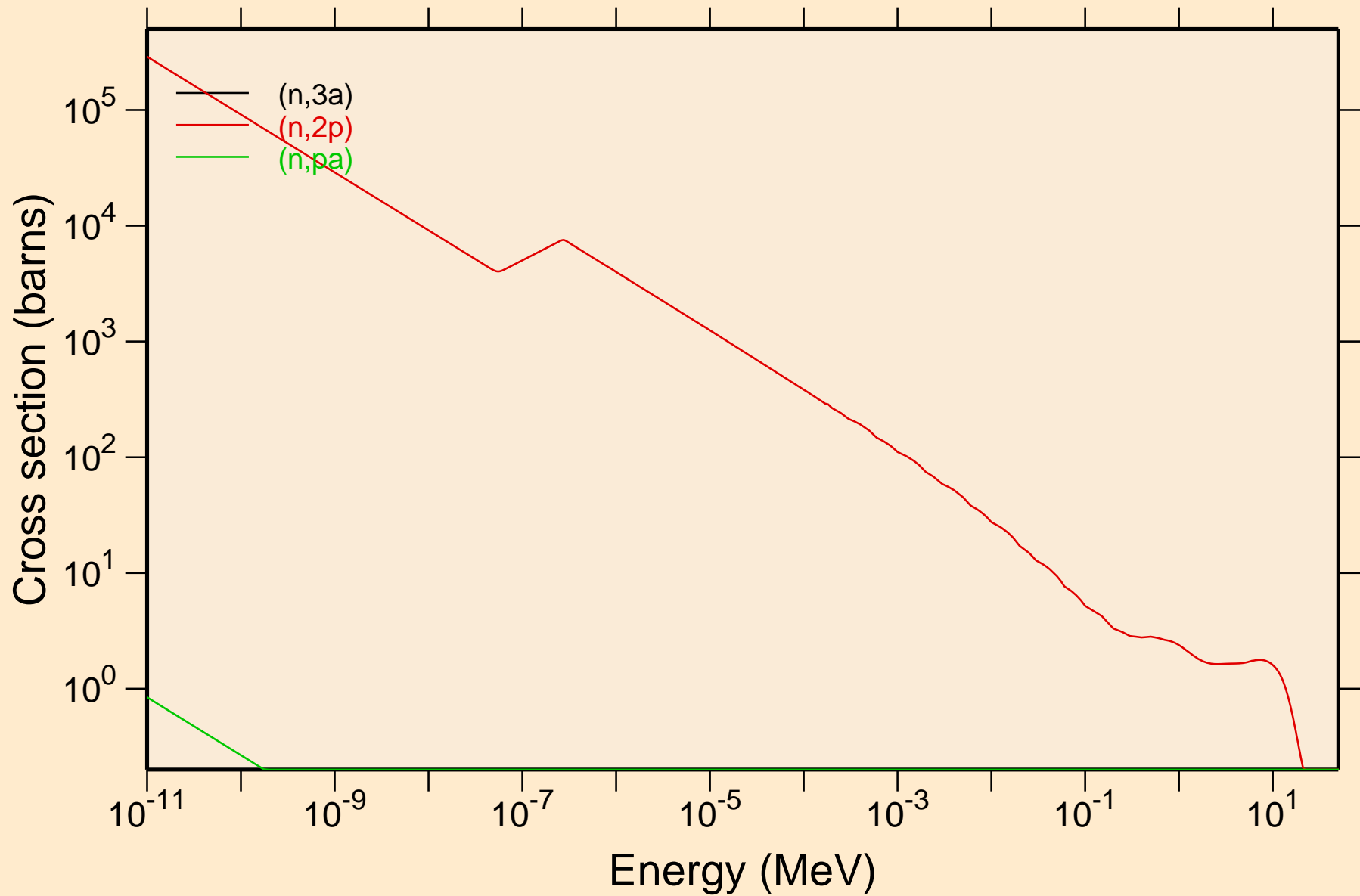
# ER147 NRG TENDL-2015, AKONING

## Non-threshold reactions



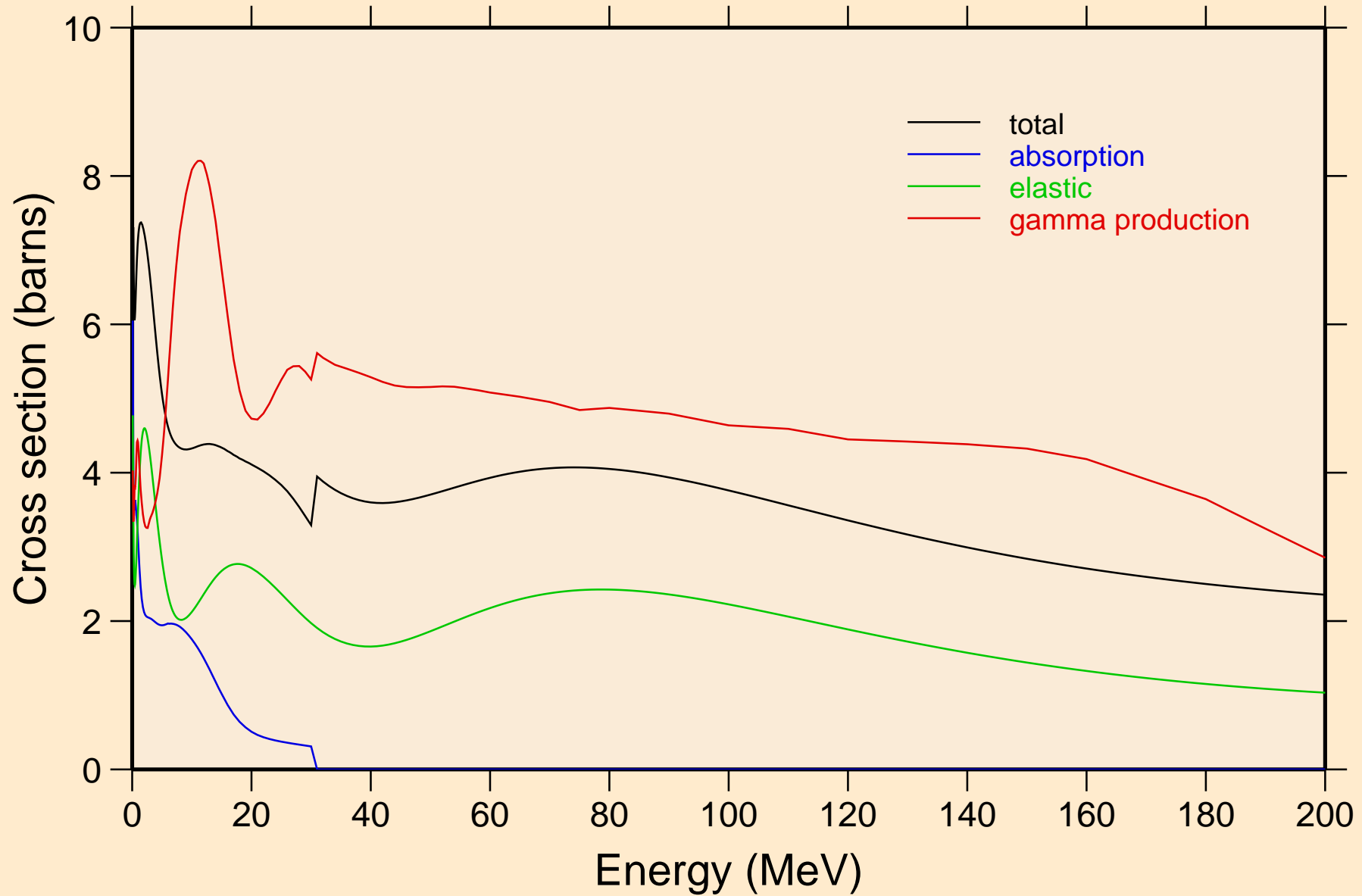
# ER147 NRG TENDL-2015, AKONING

## Non-threshold reactions



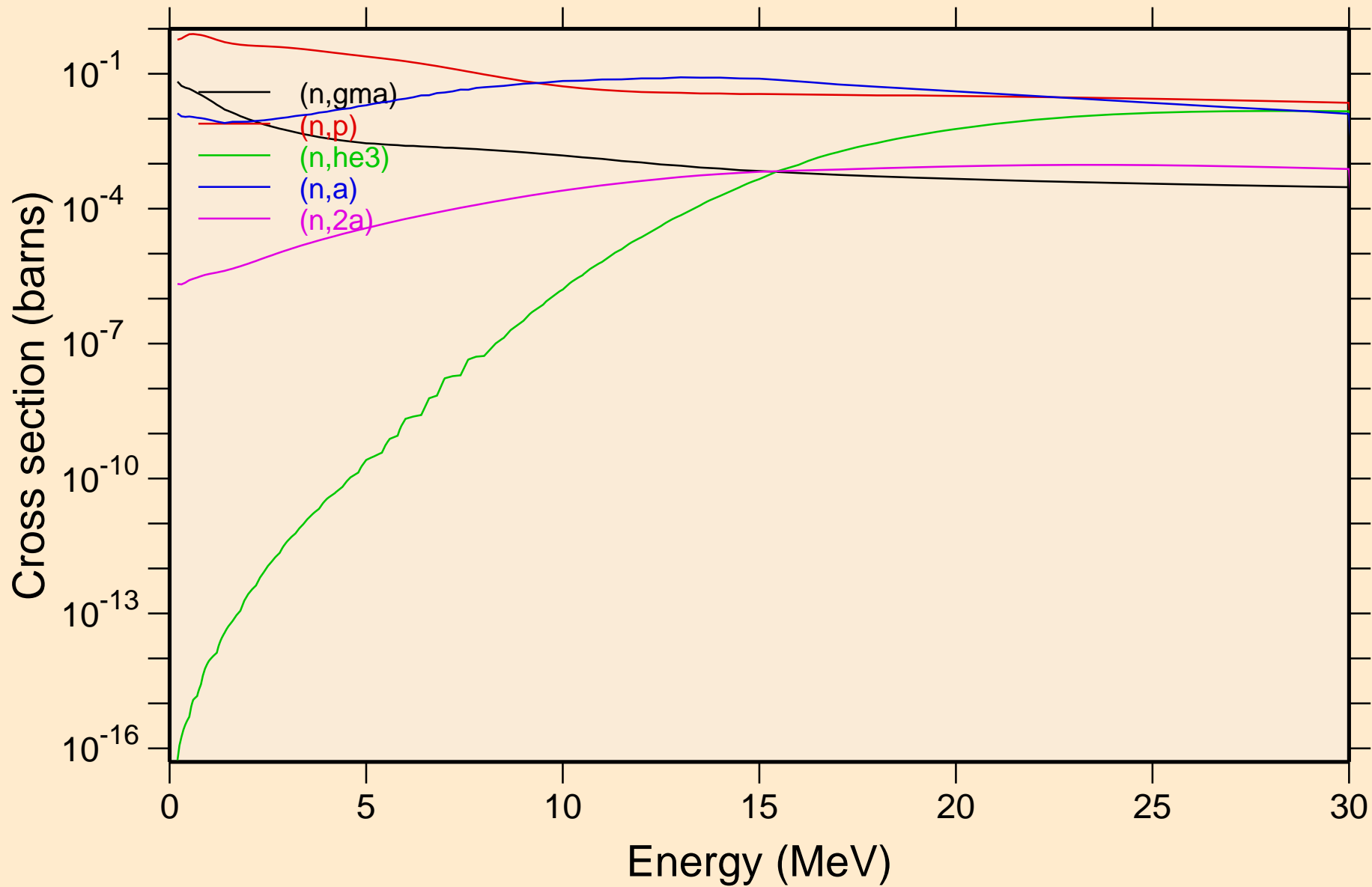
# ER147 NRG TENDL-2015, AKONING

## Principal cross sections



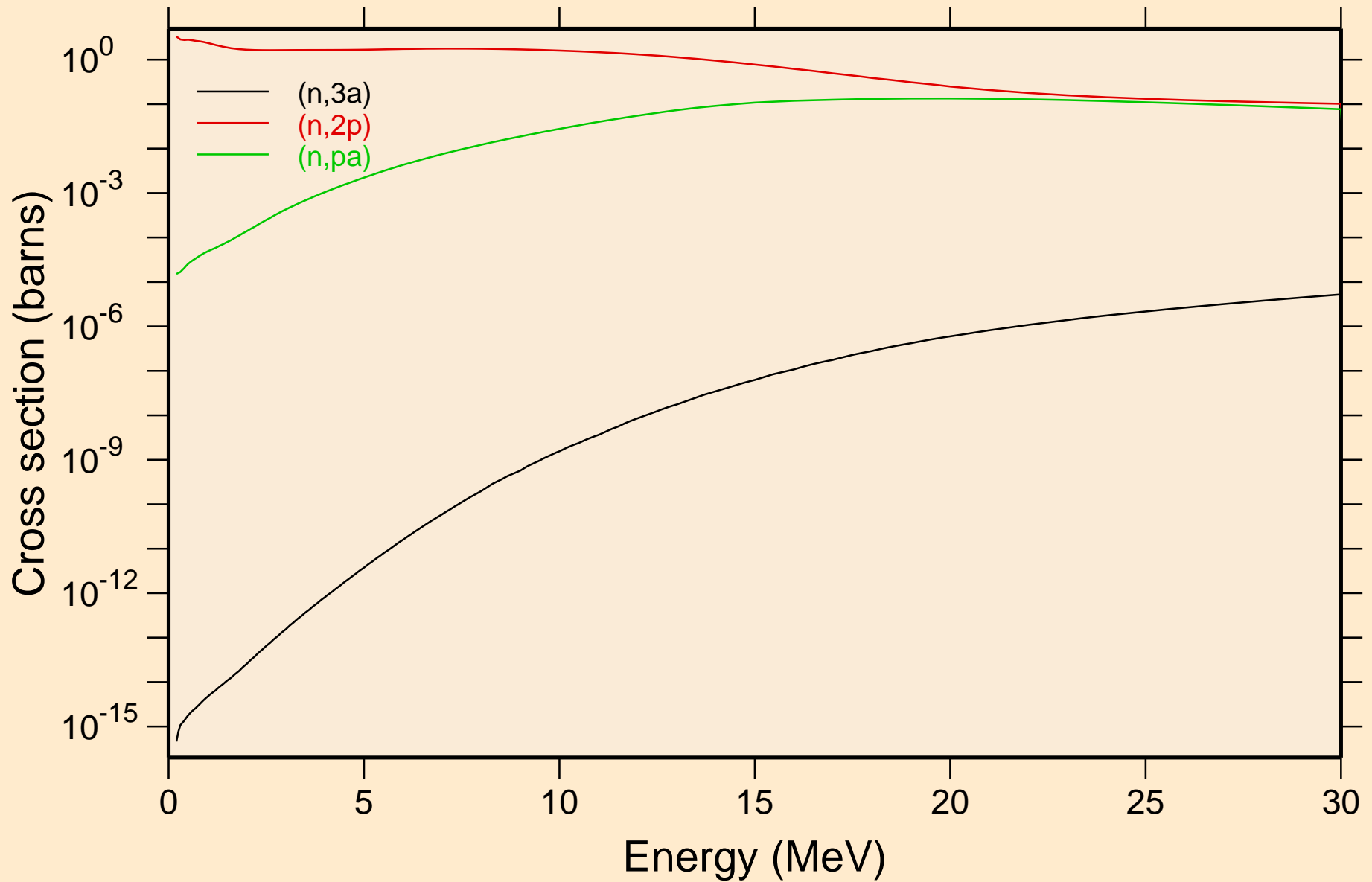
# ER147 NRG TENDL-2015, AKONING

## Non-threshold reactions



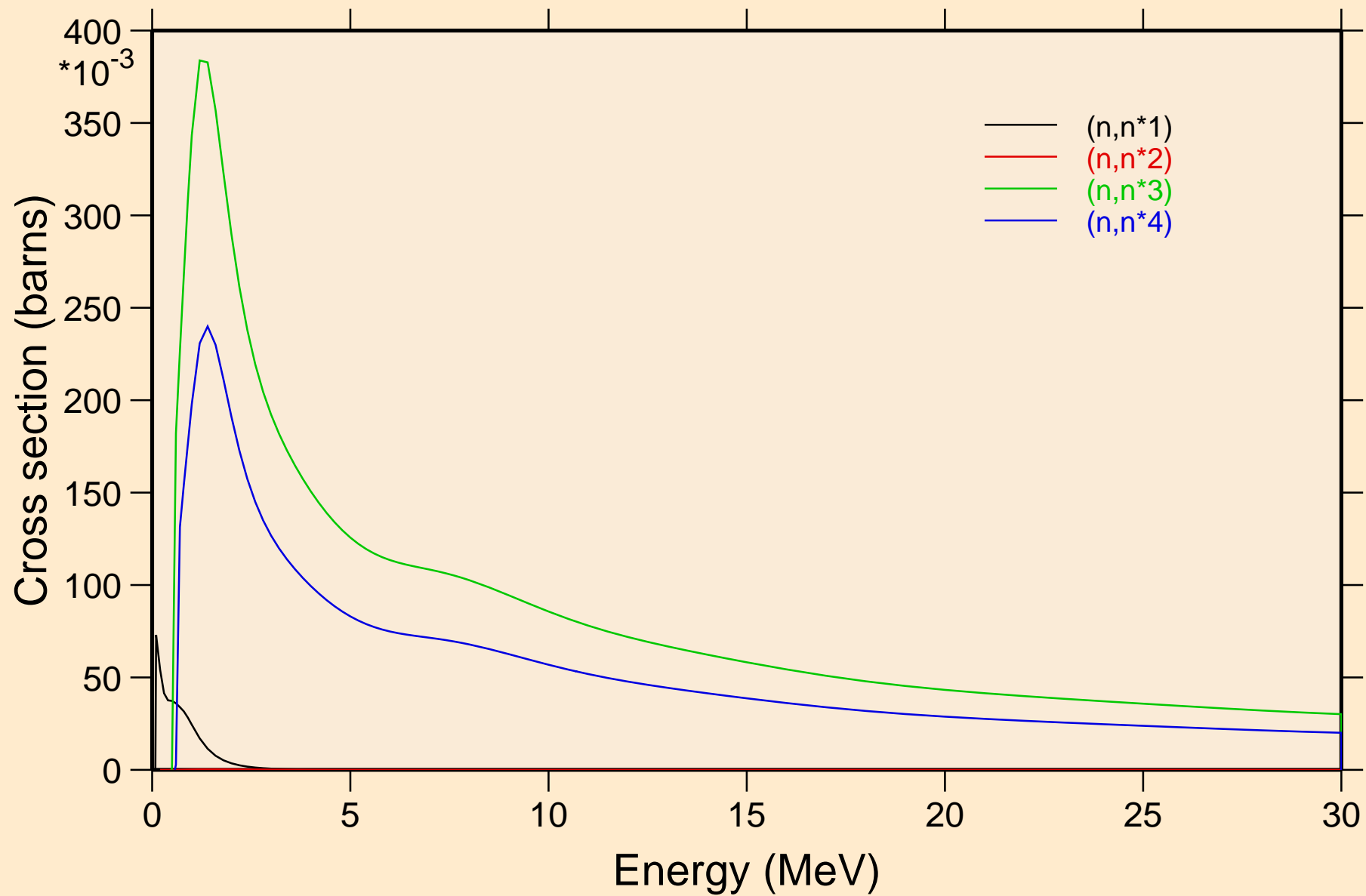
# ER147 NRG TENDL-2015, AKONING

## Non-threshold reactions



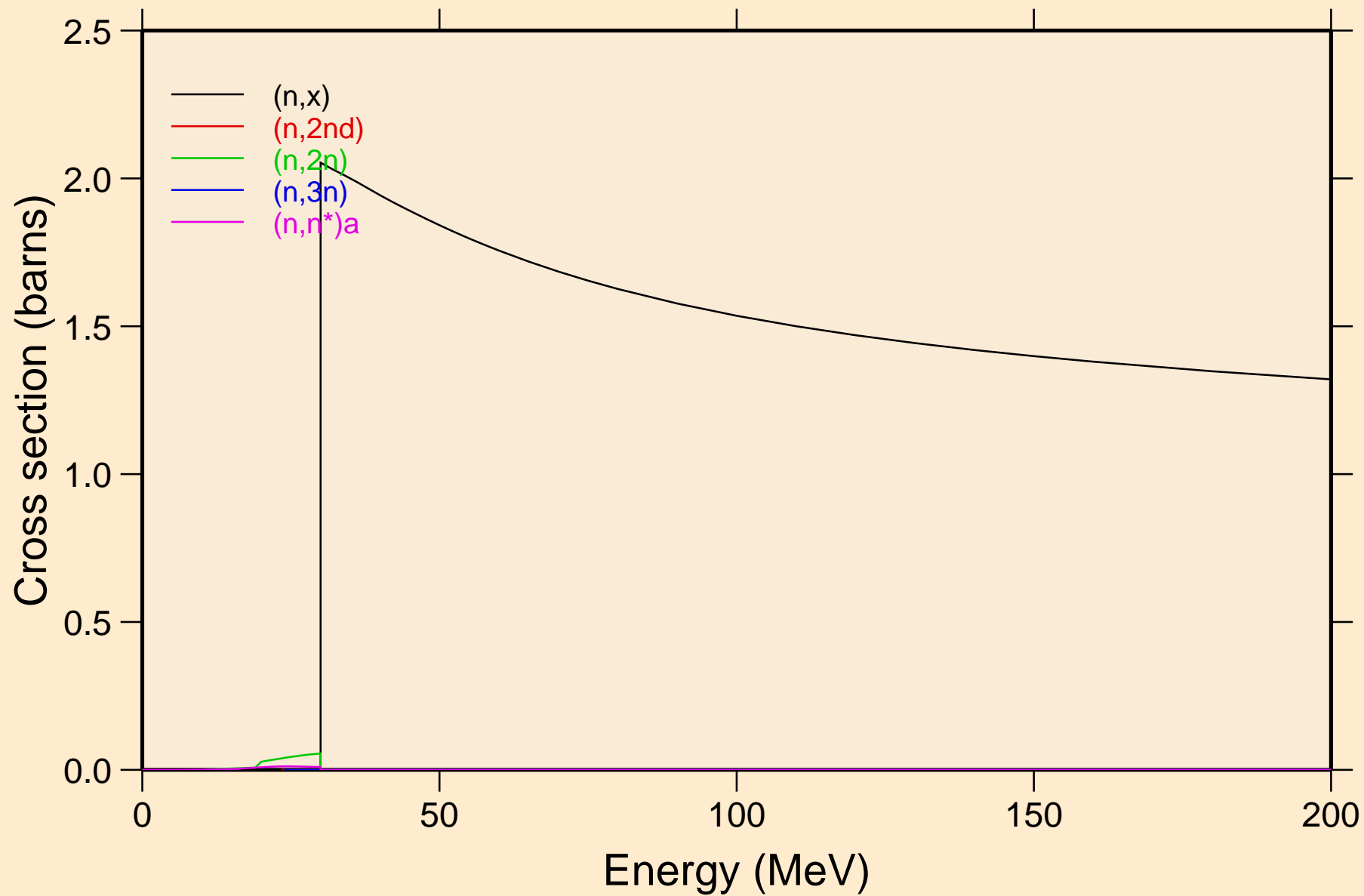
# ER147 NRG TENDL-2015, AKONING

## Inelastic levels



# ER147 NRG TENDL-2015, AKONING

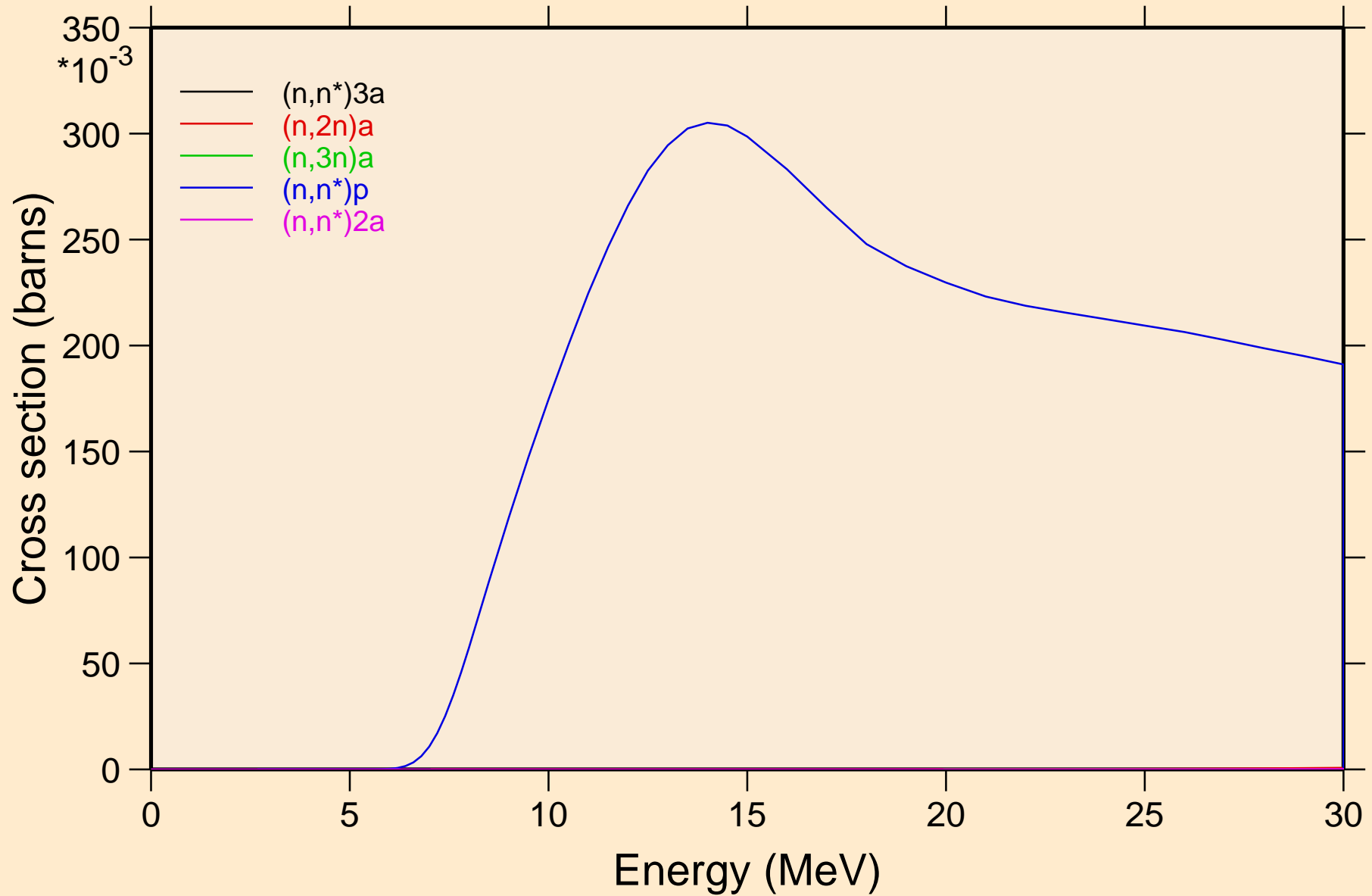
## Threshold reactions





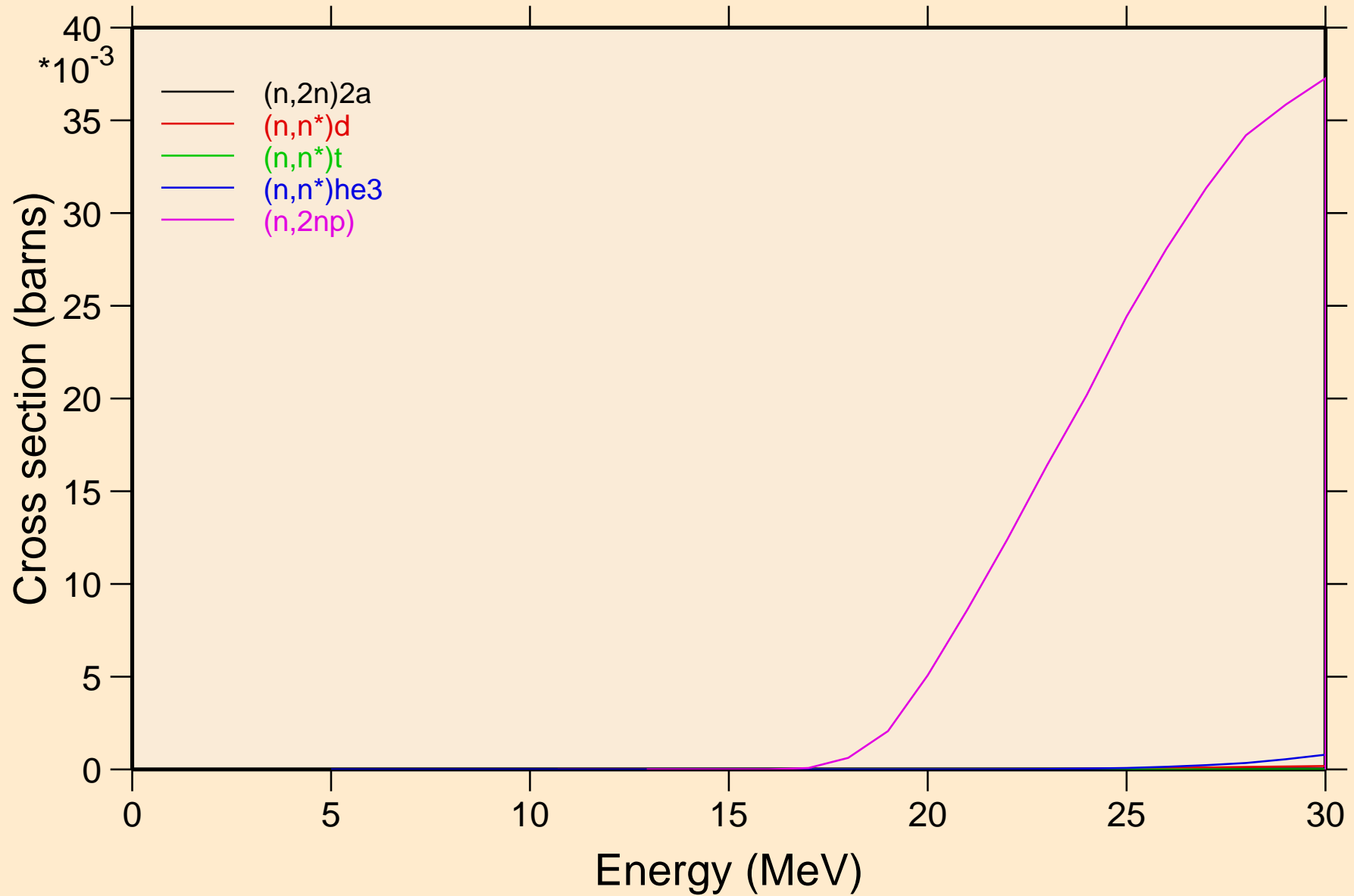
# ER147 NRG TENDL-2015, AKONING

## Threshold reactions



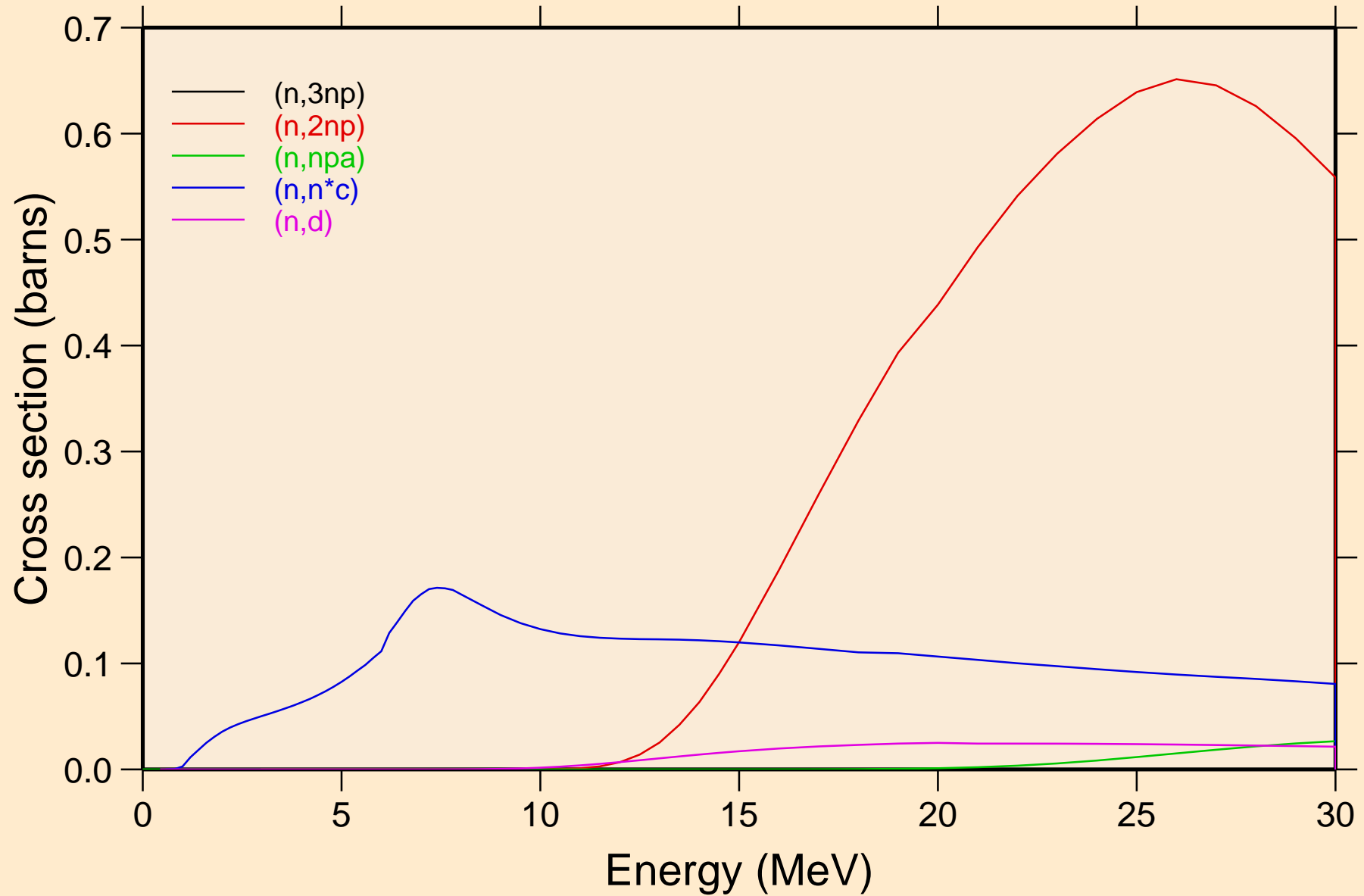
# ER147 NRG TENDL-2015, AKONING

## Threshold reactions



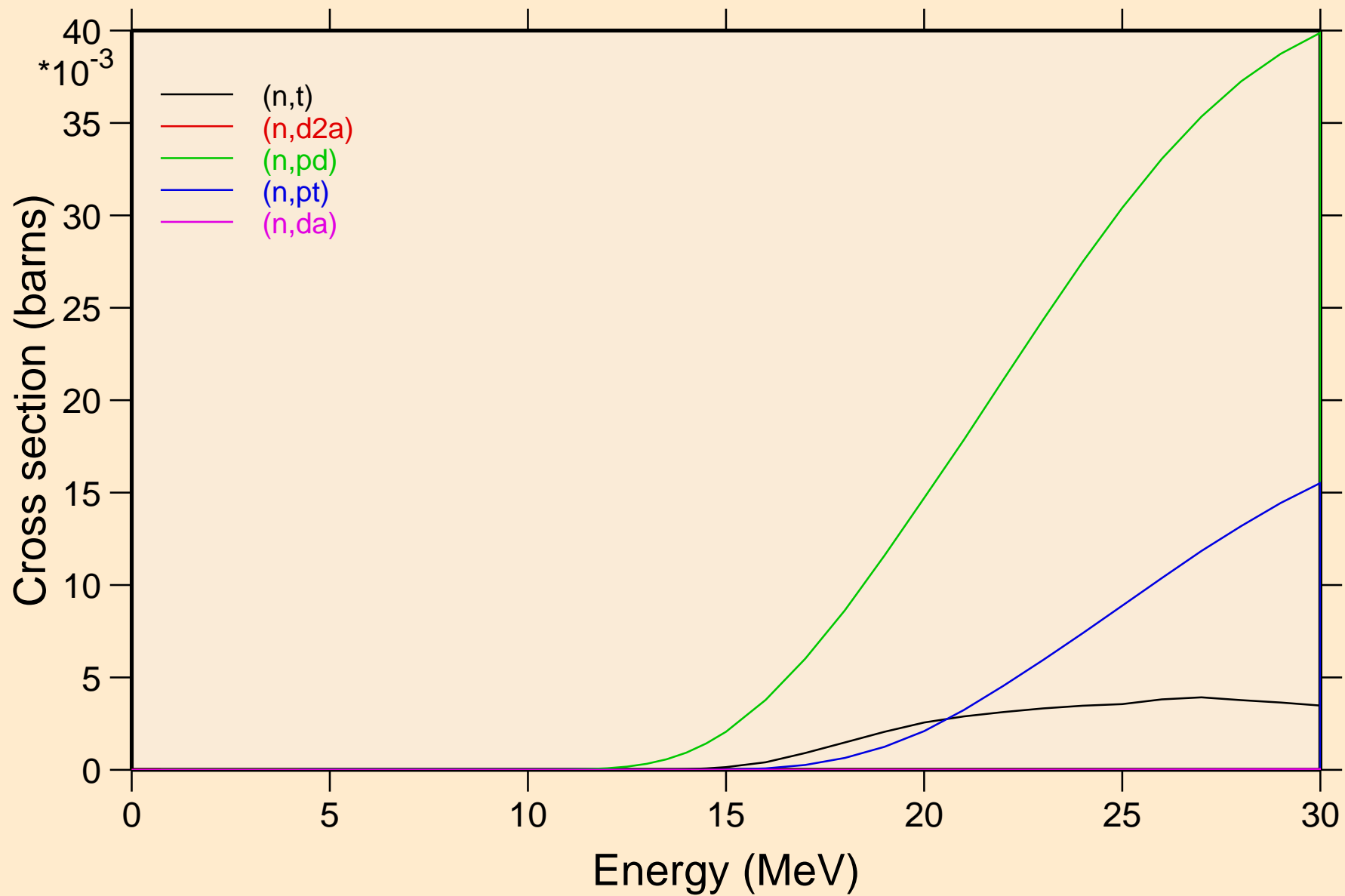
# ER147 NRG TENDL-2015, AKONING

## Threshold reactions

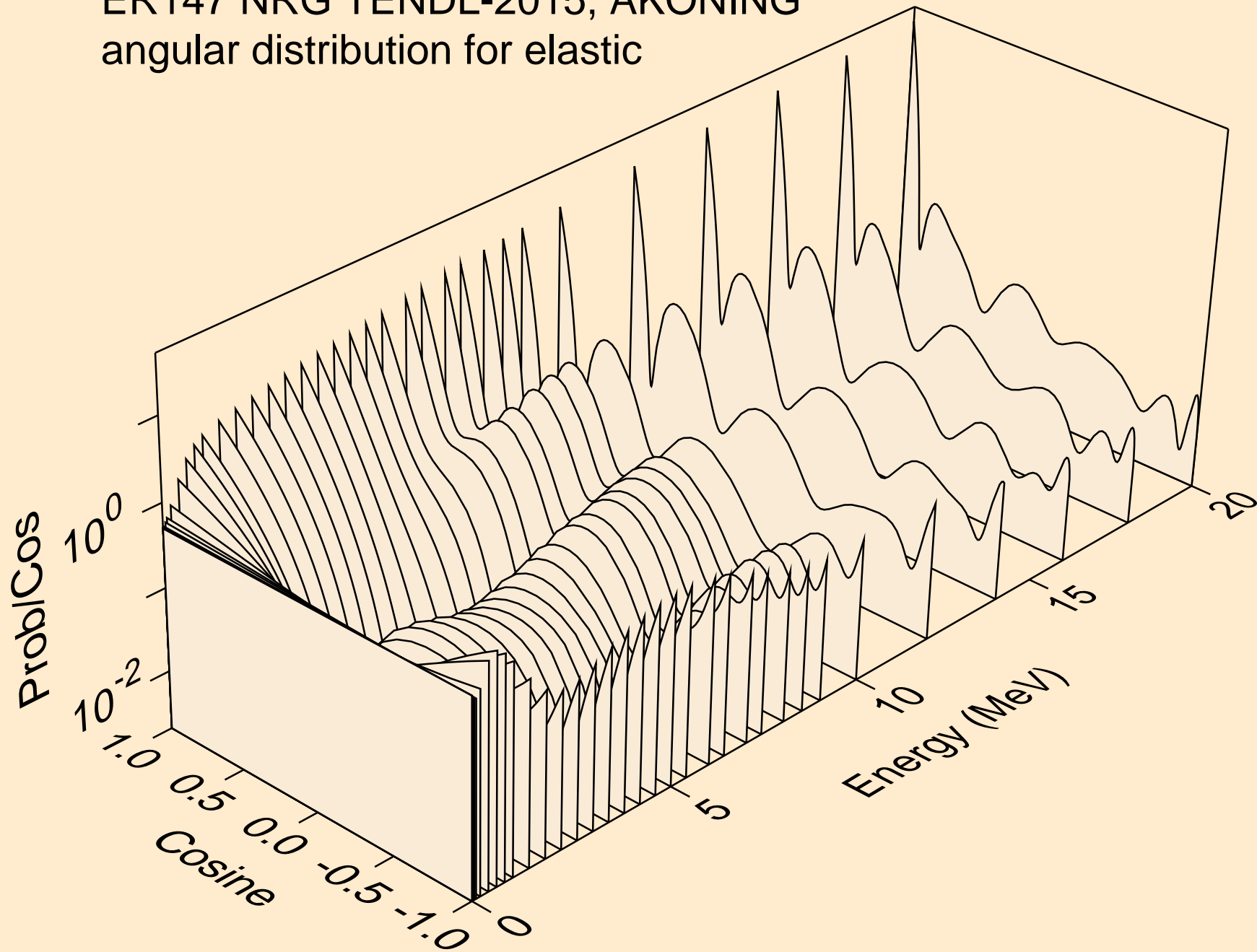


# ER147 NRG TENDL-2015, AKONING

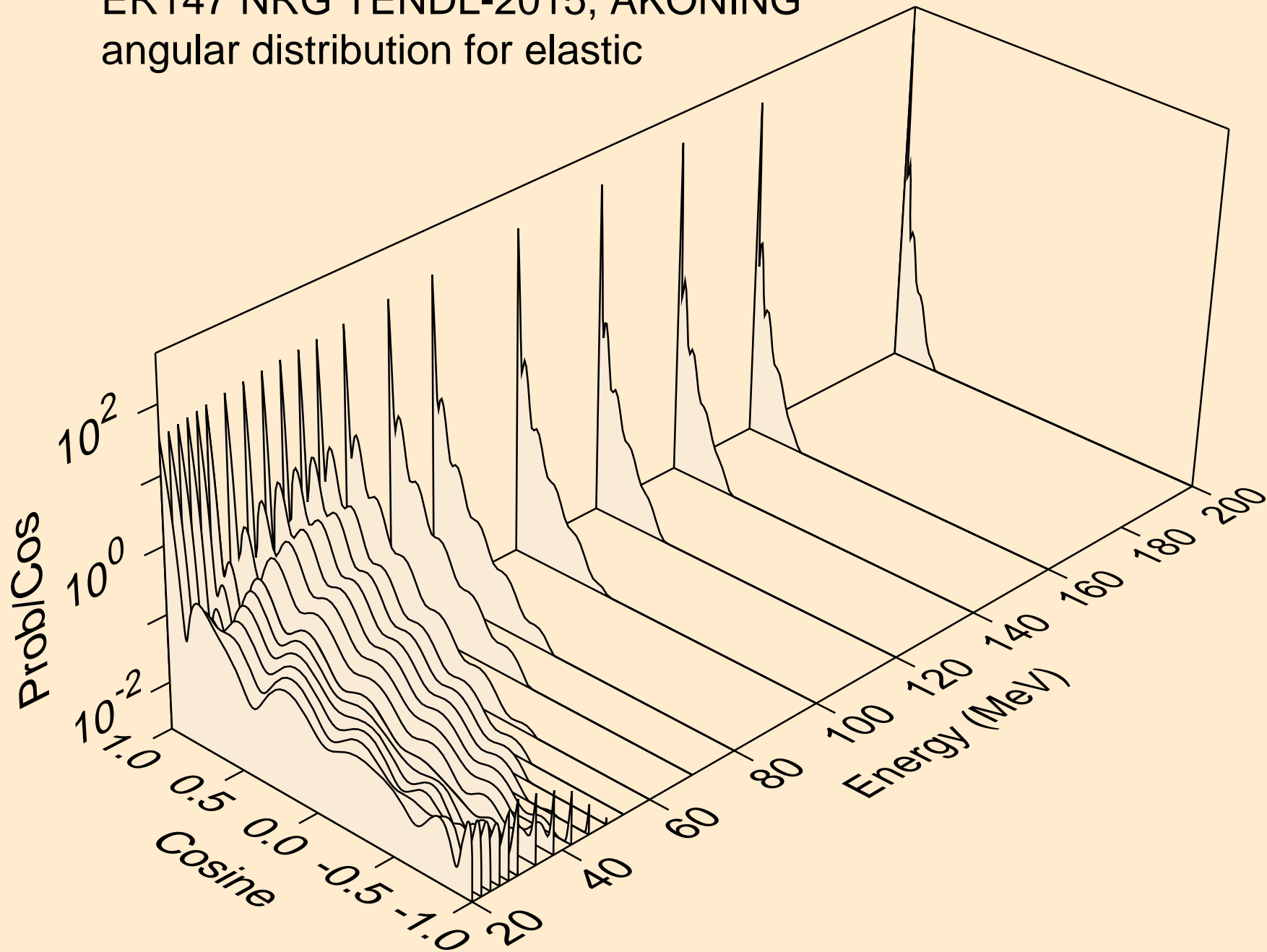
## Threshold reactions



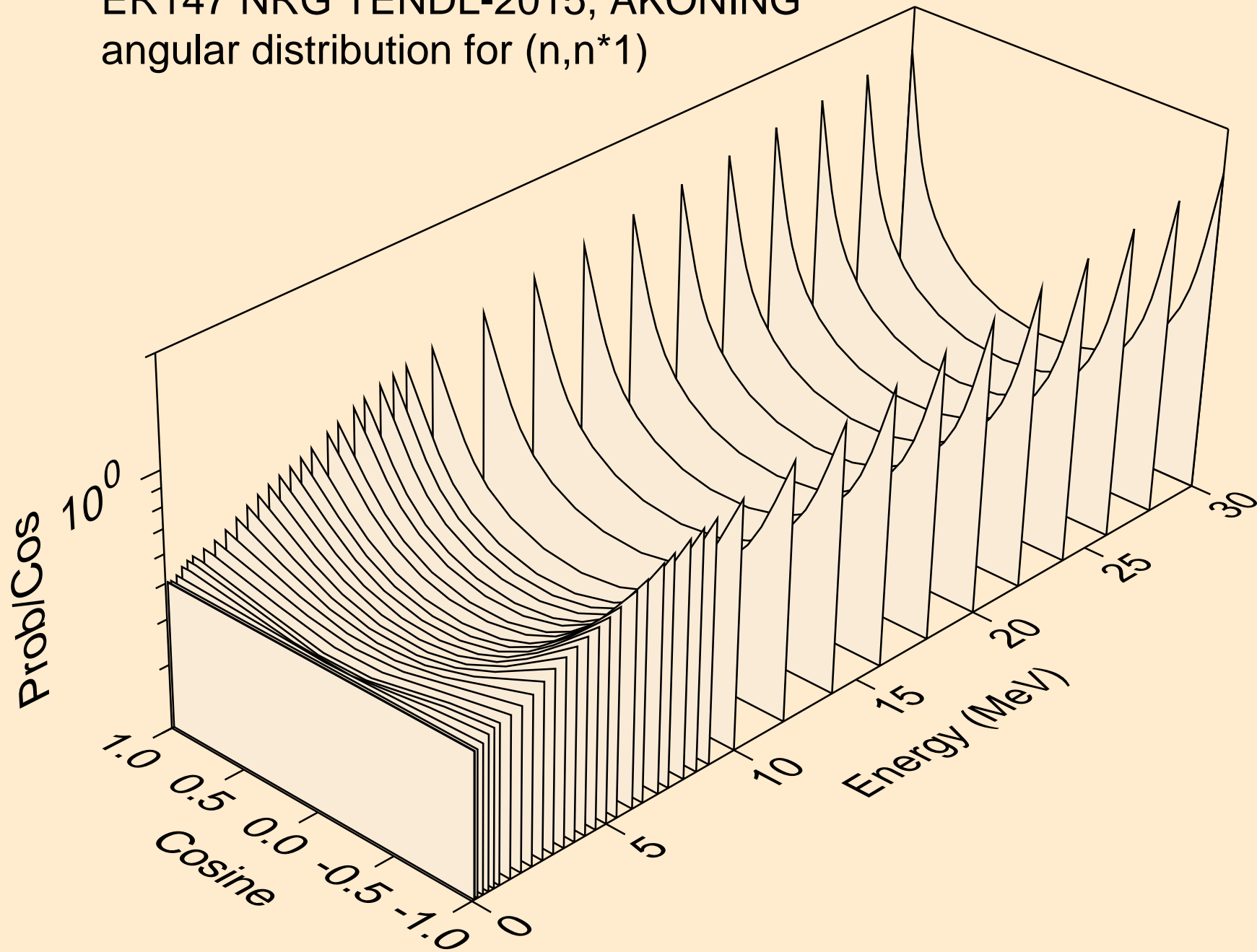
ER147 NRG TENDL-2015, AKONING  
angular distribution for elastic



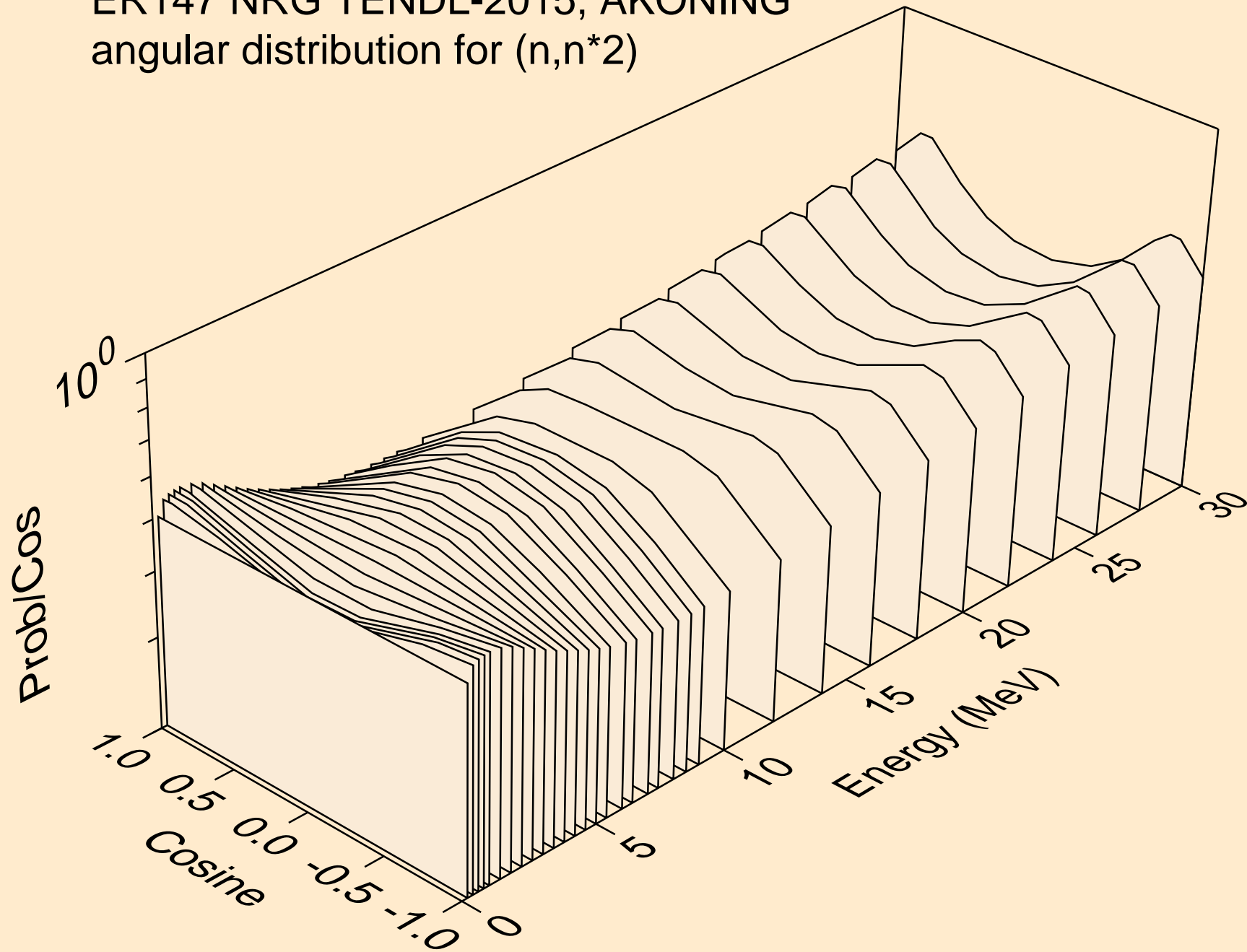
ER147 NRG TENDL-2015, AKONING  
angular distribution for elastic



ER147 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

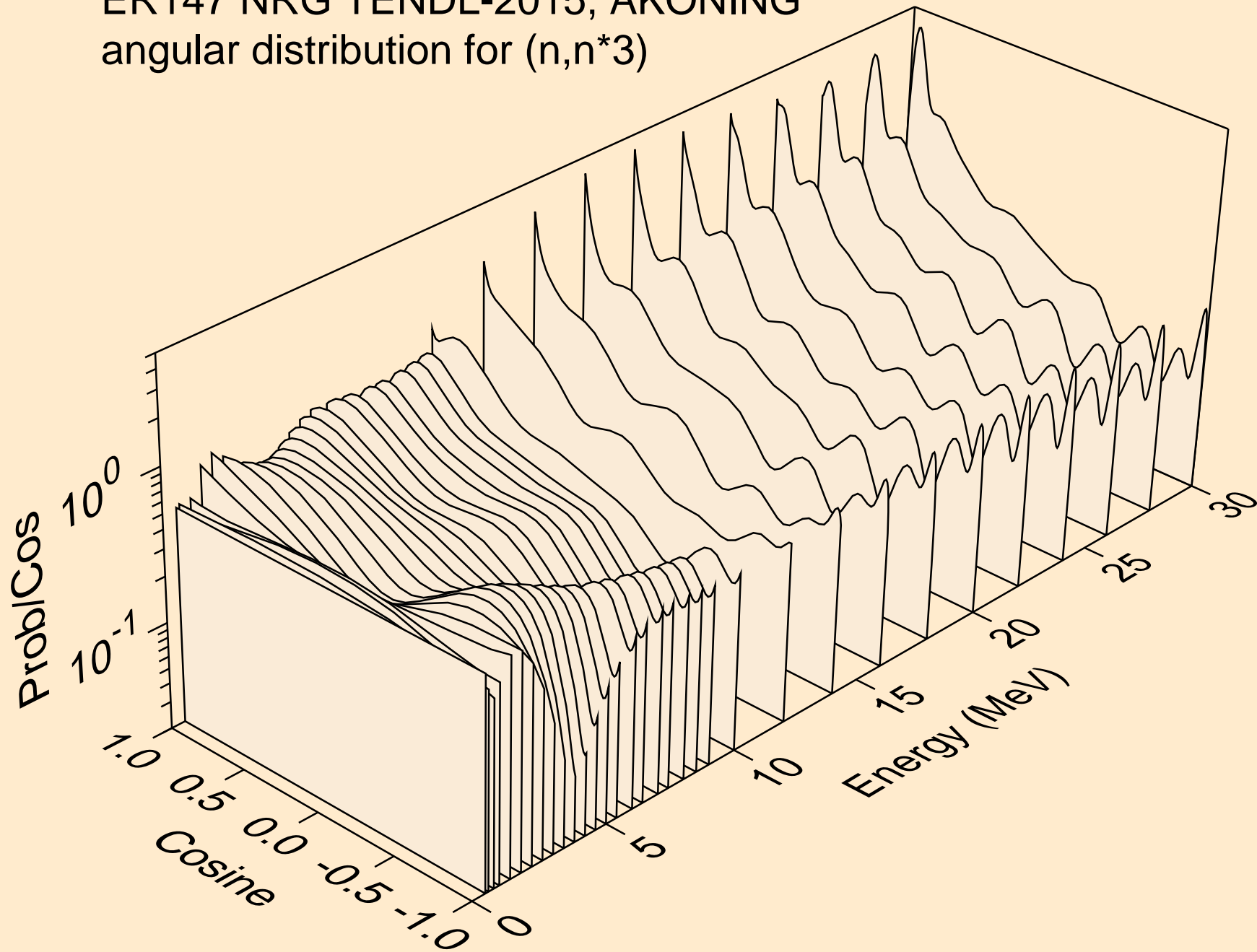


ER147 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)

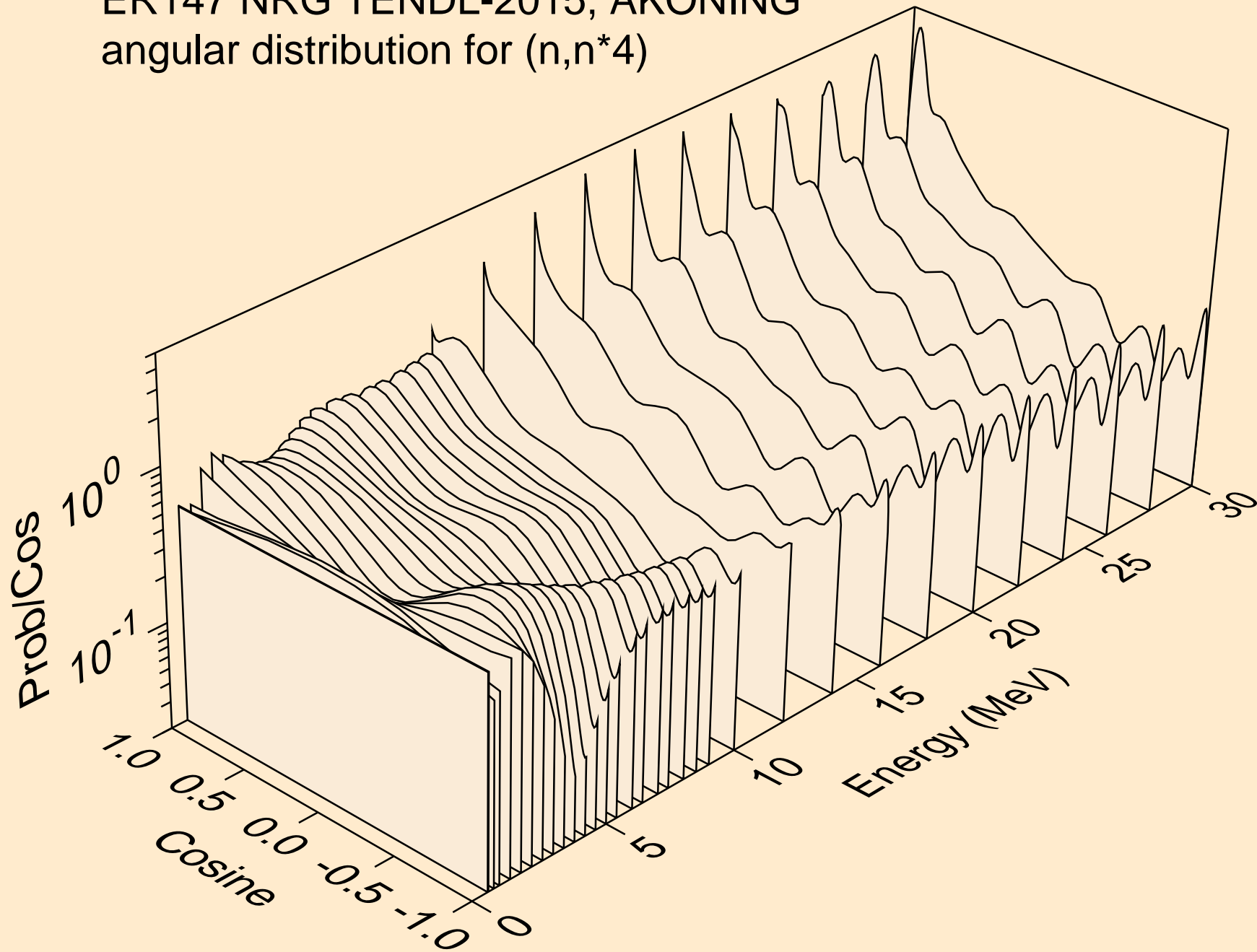




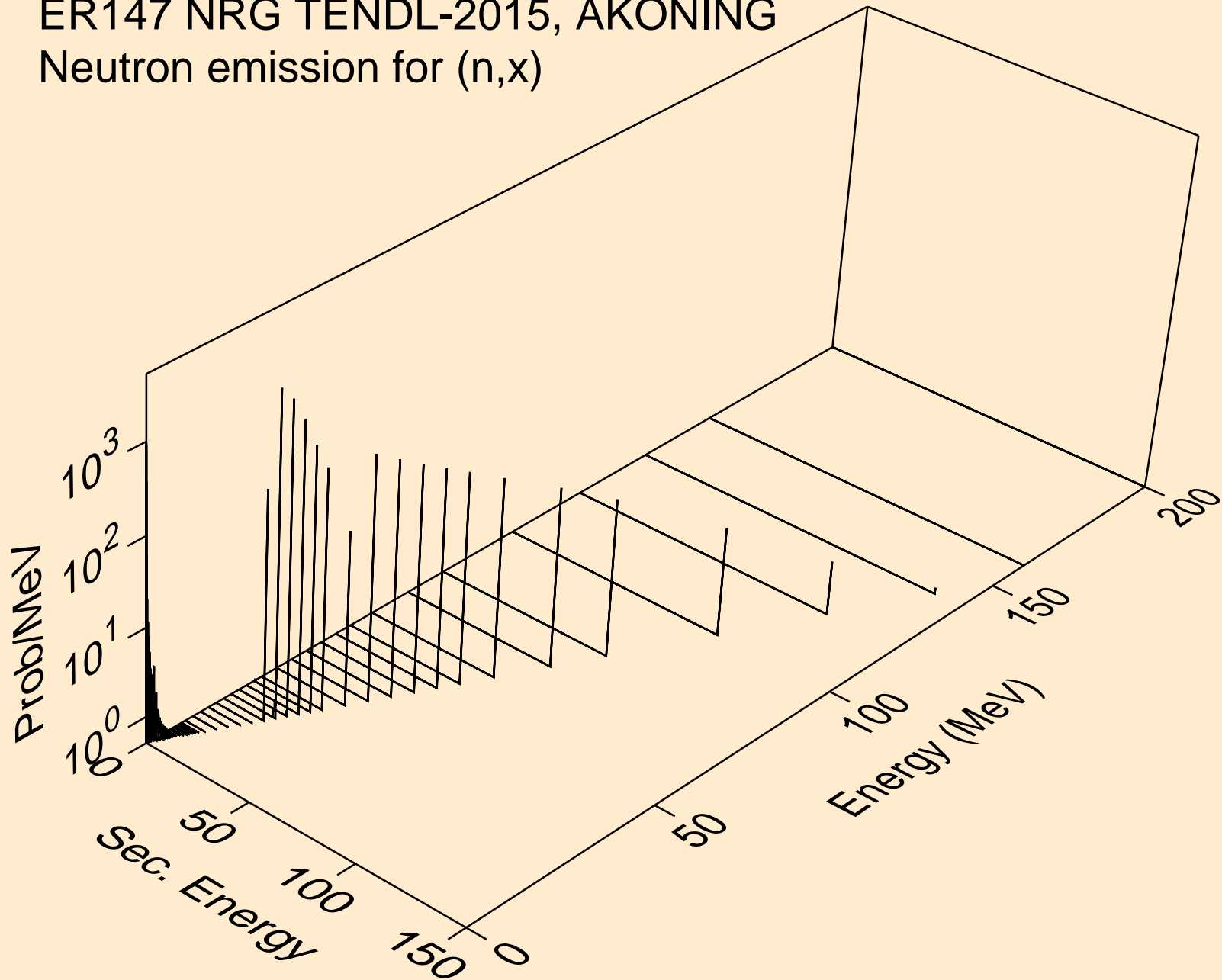
ER147 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



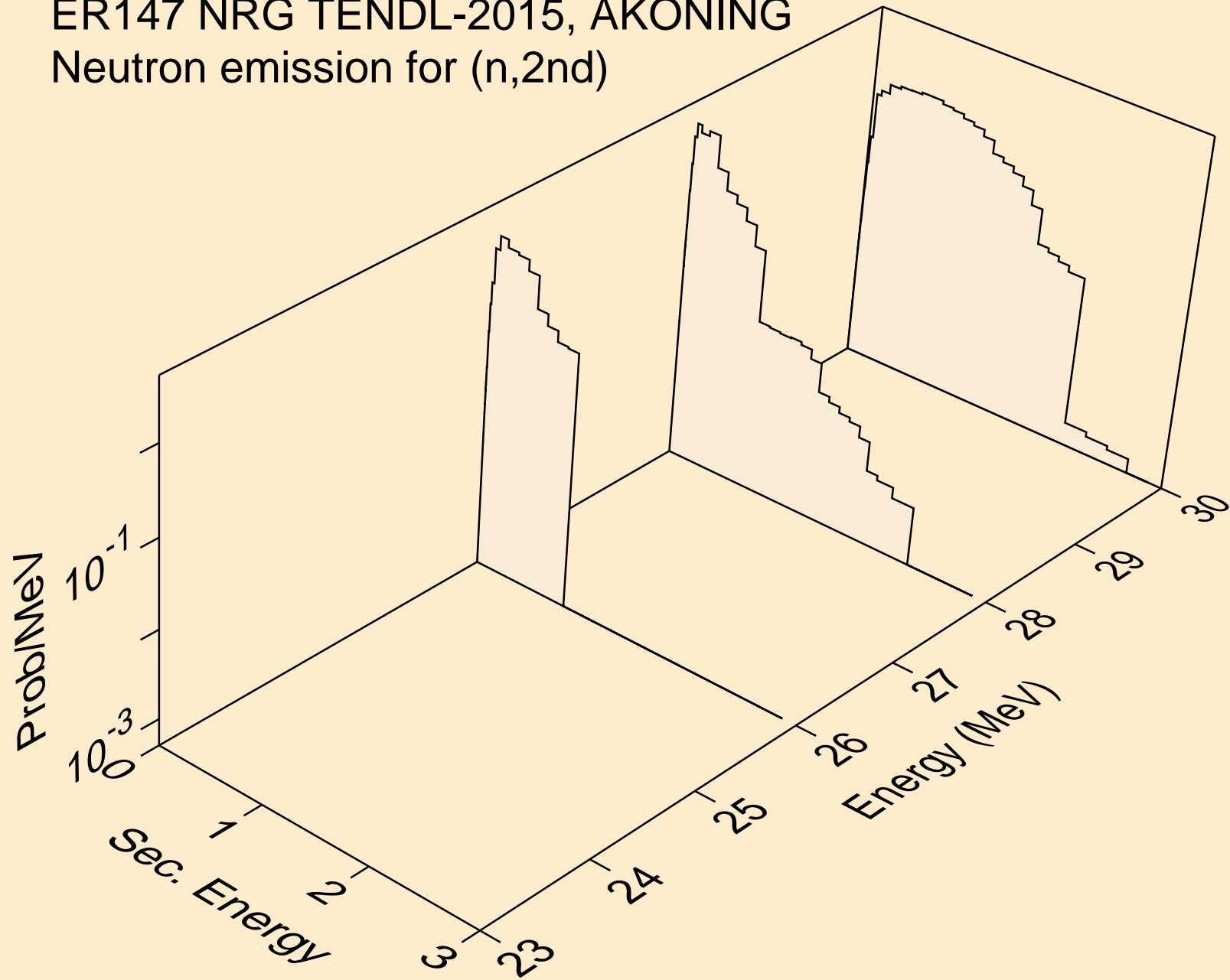
ER147 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



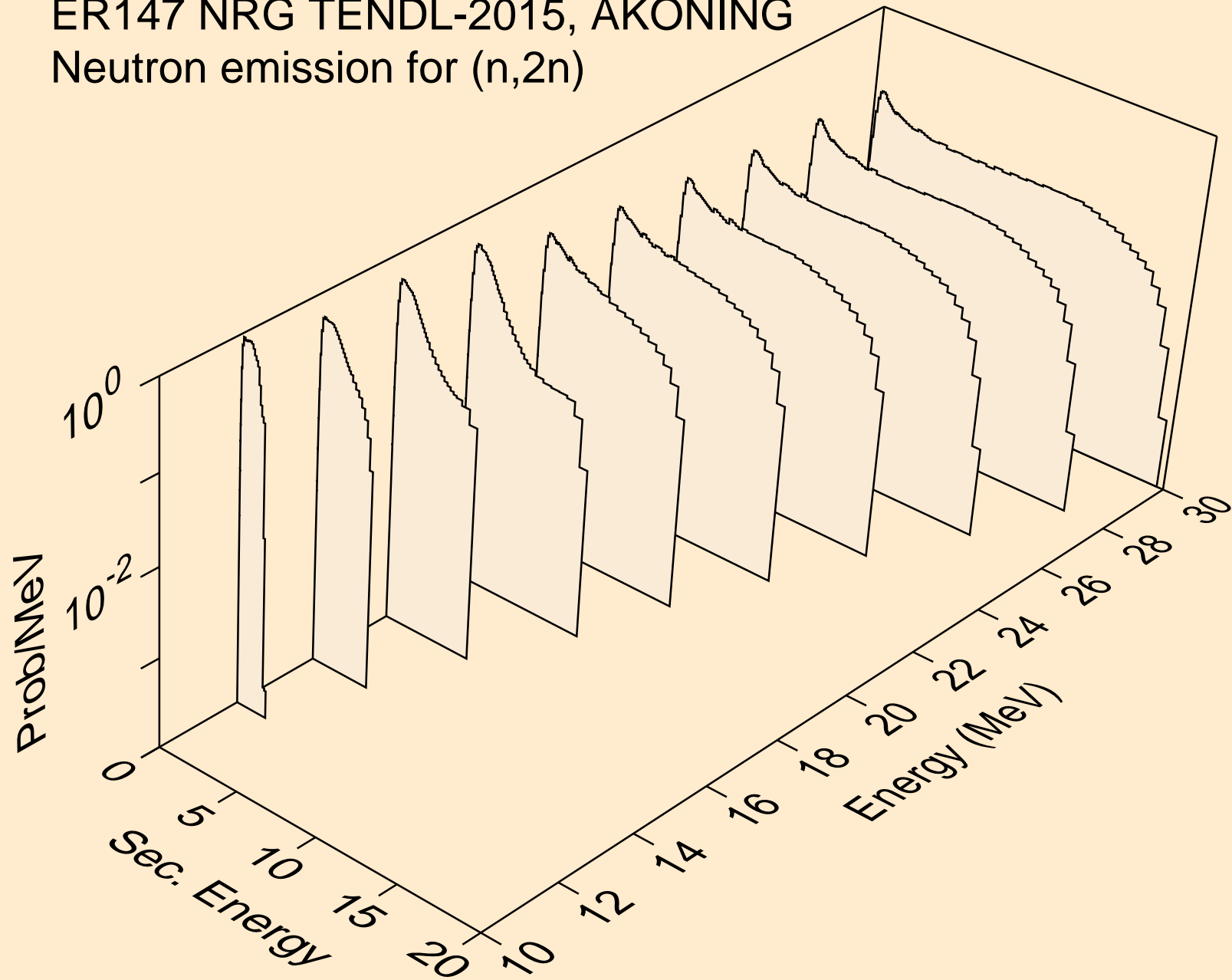
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



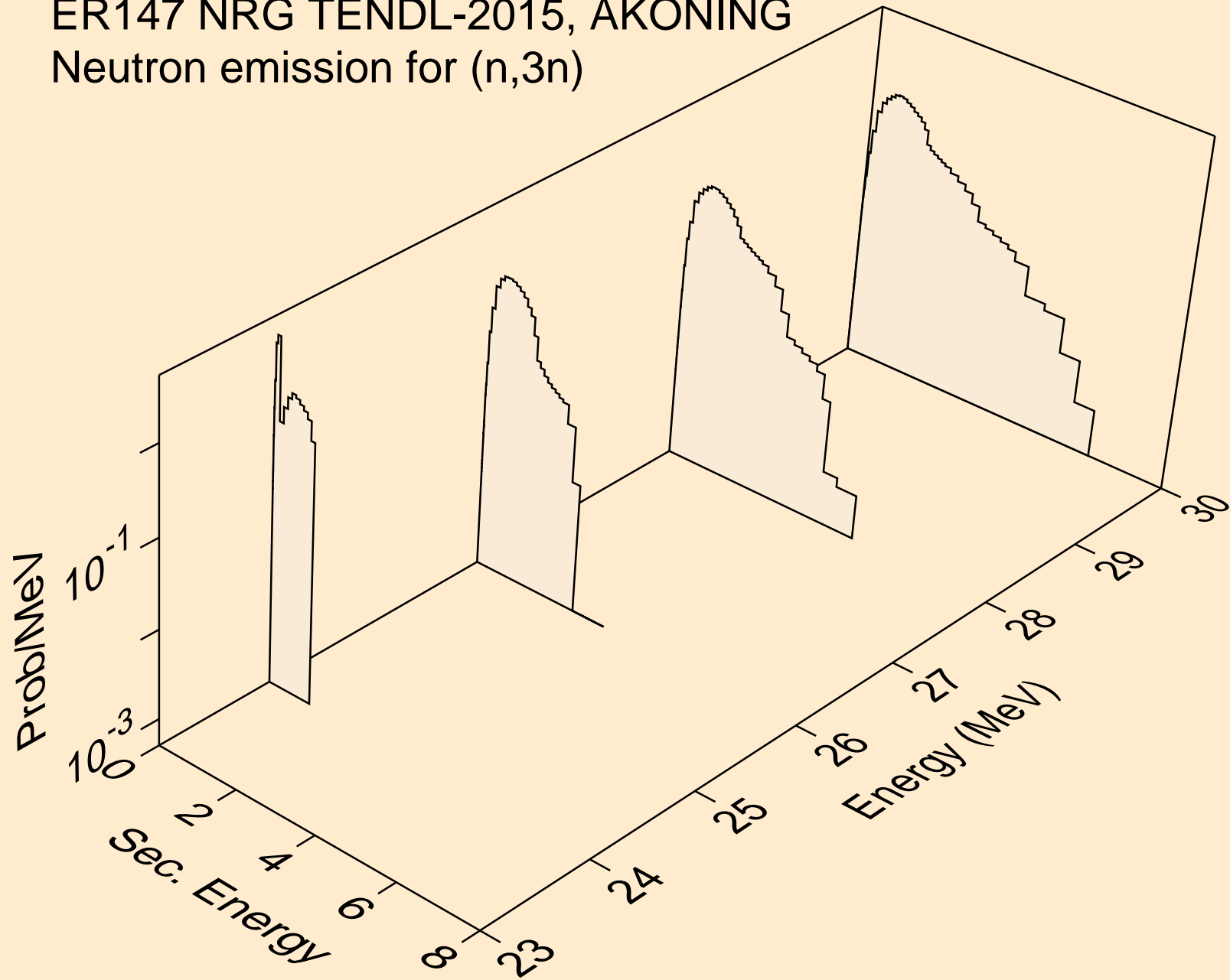
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



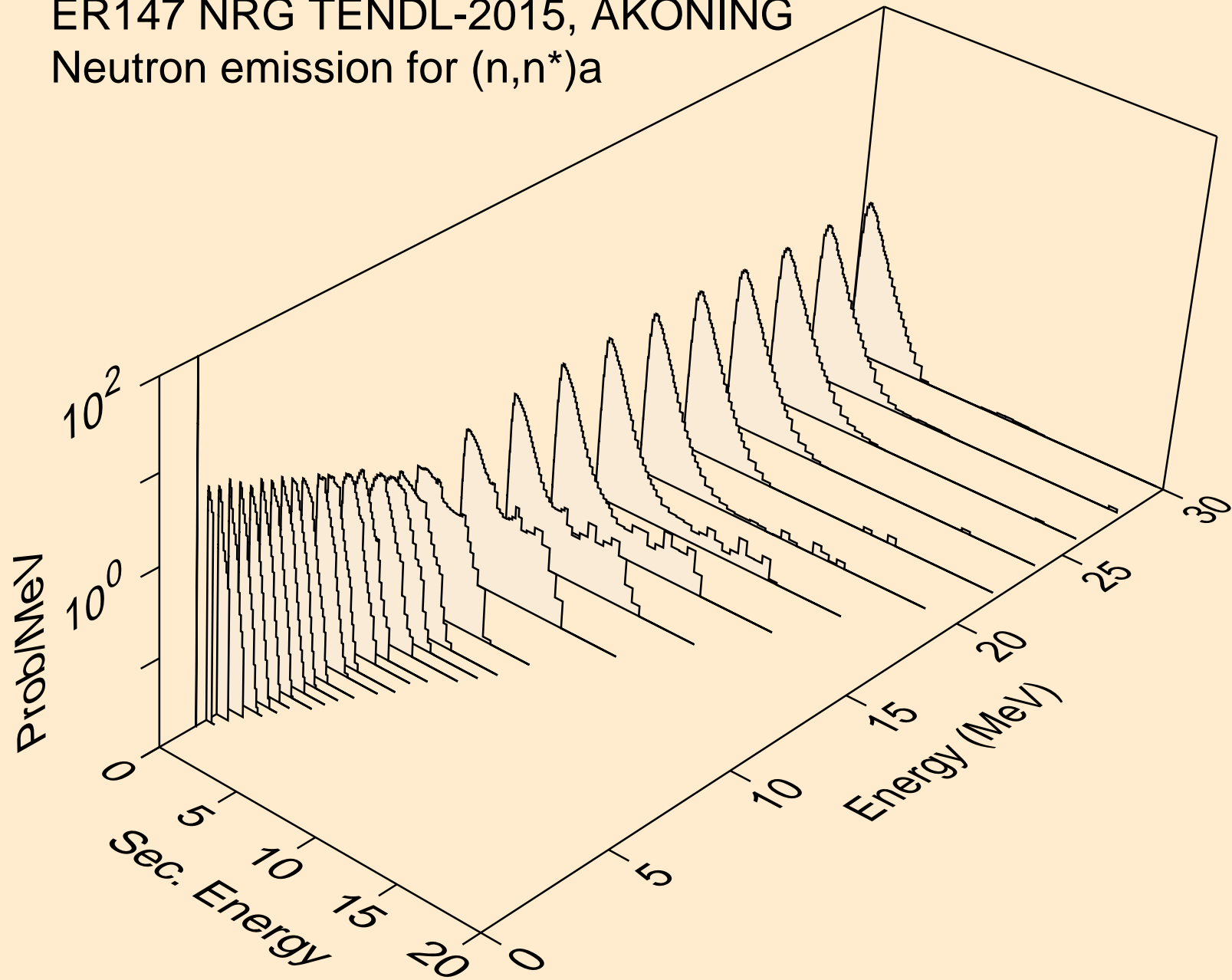
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



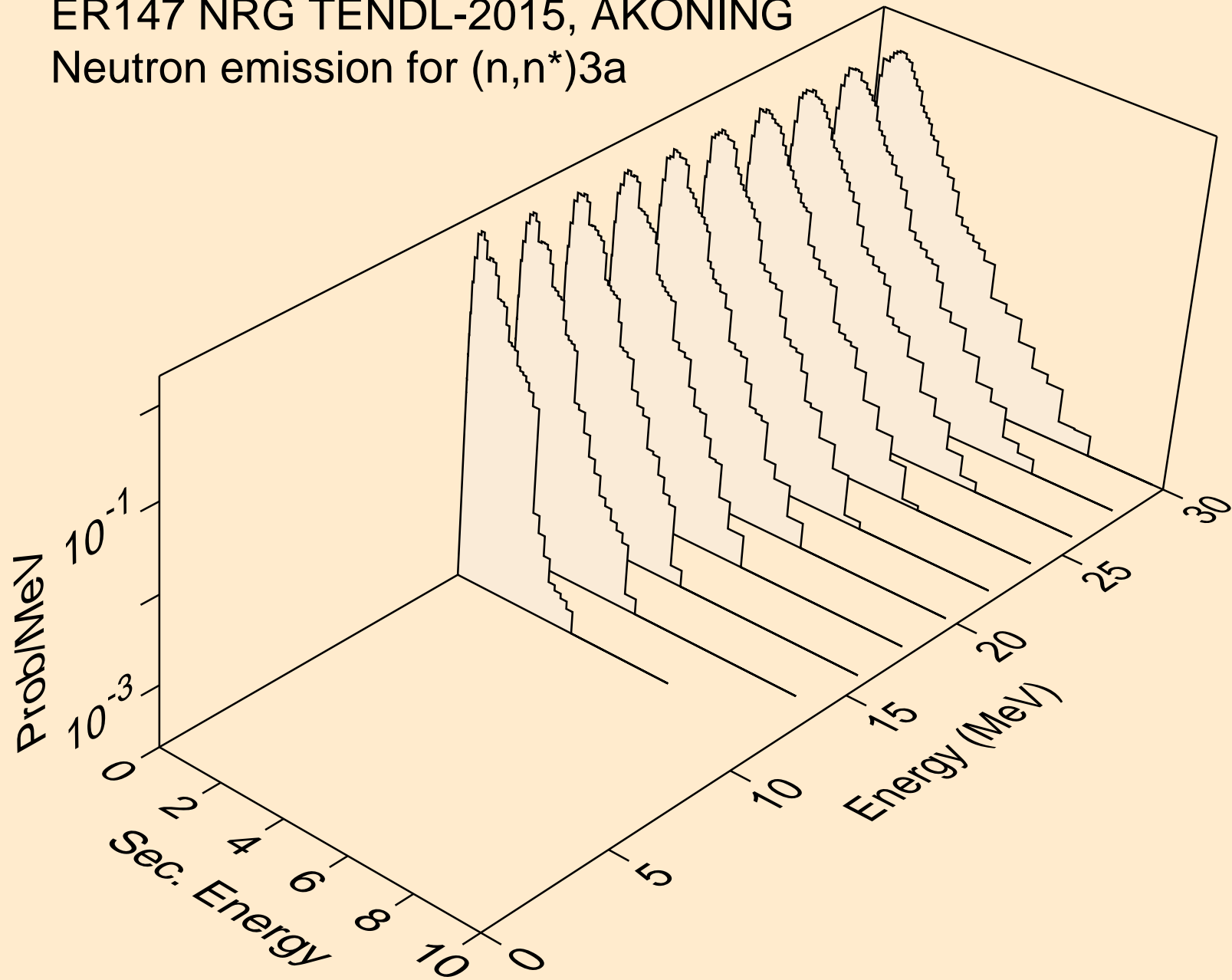
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

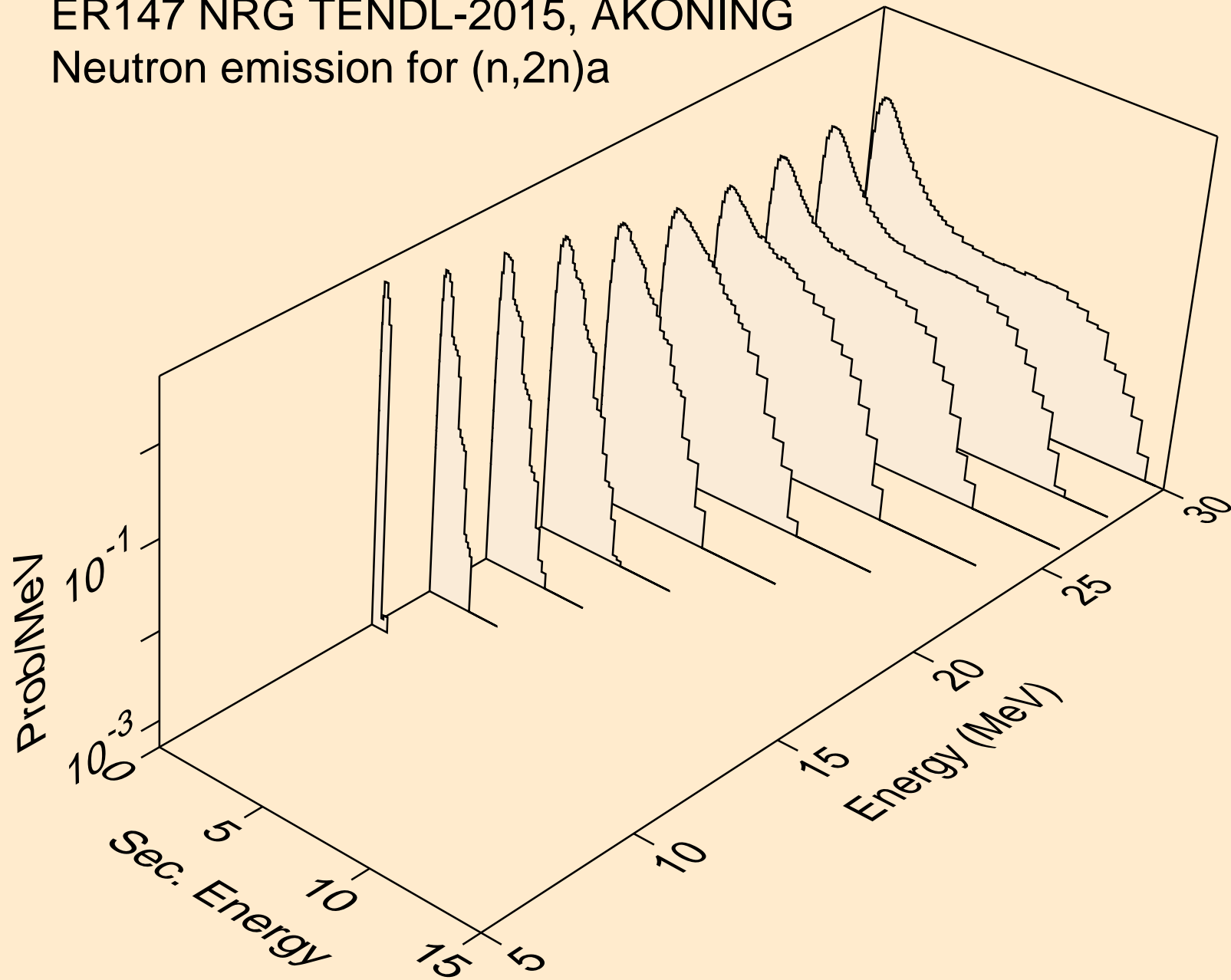


ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a

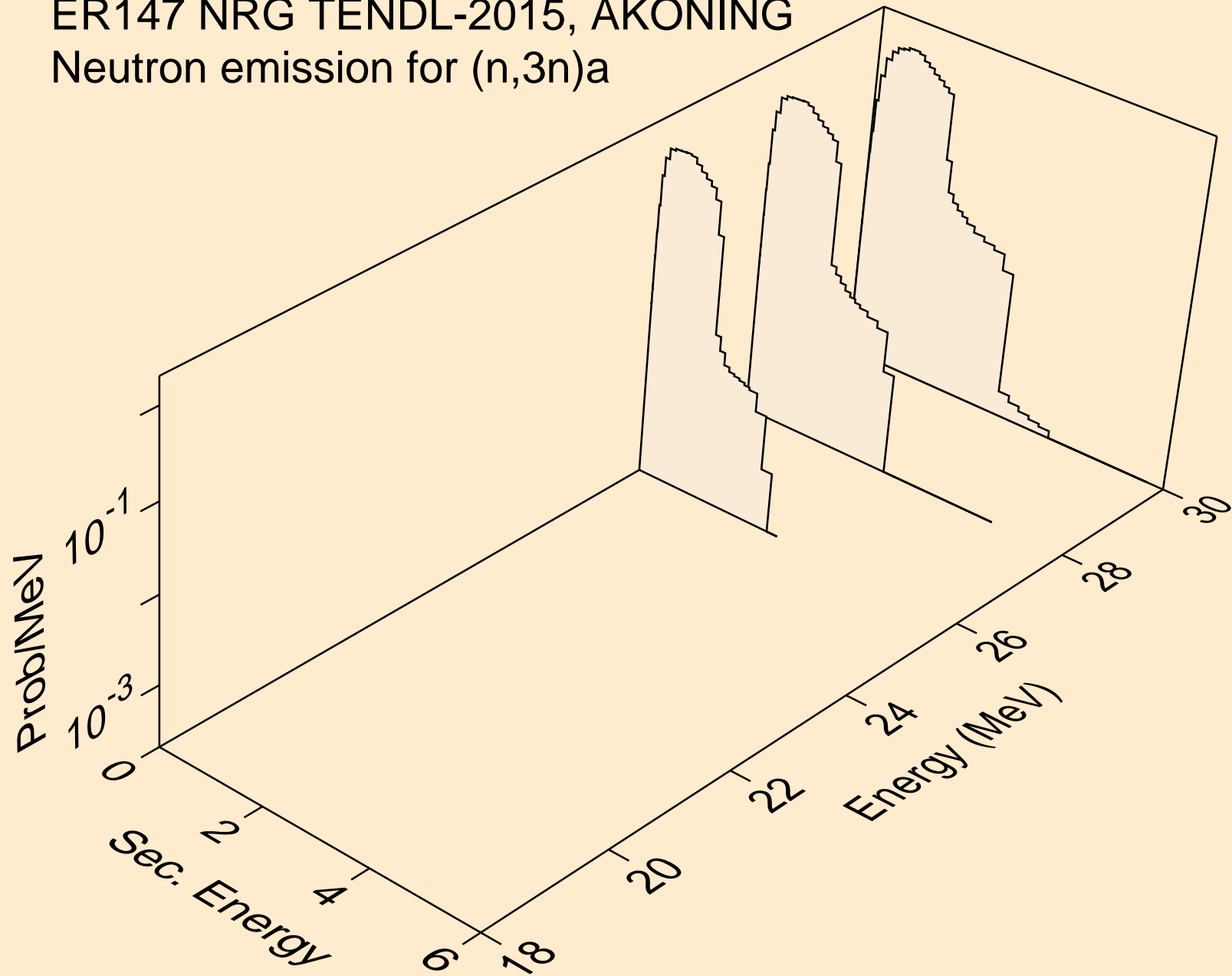




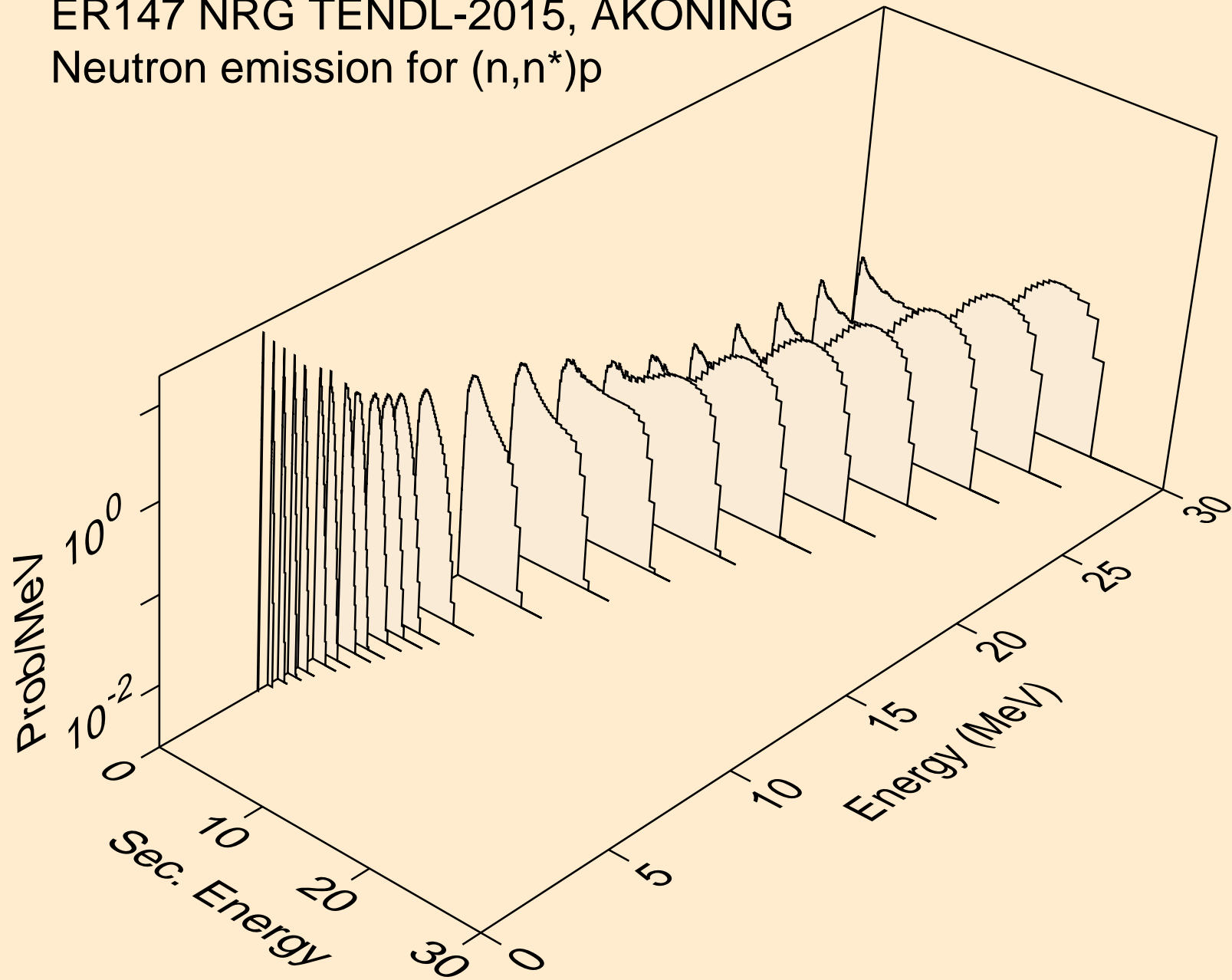
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



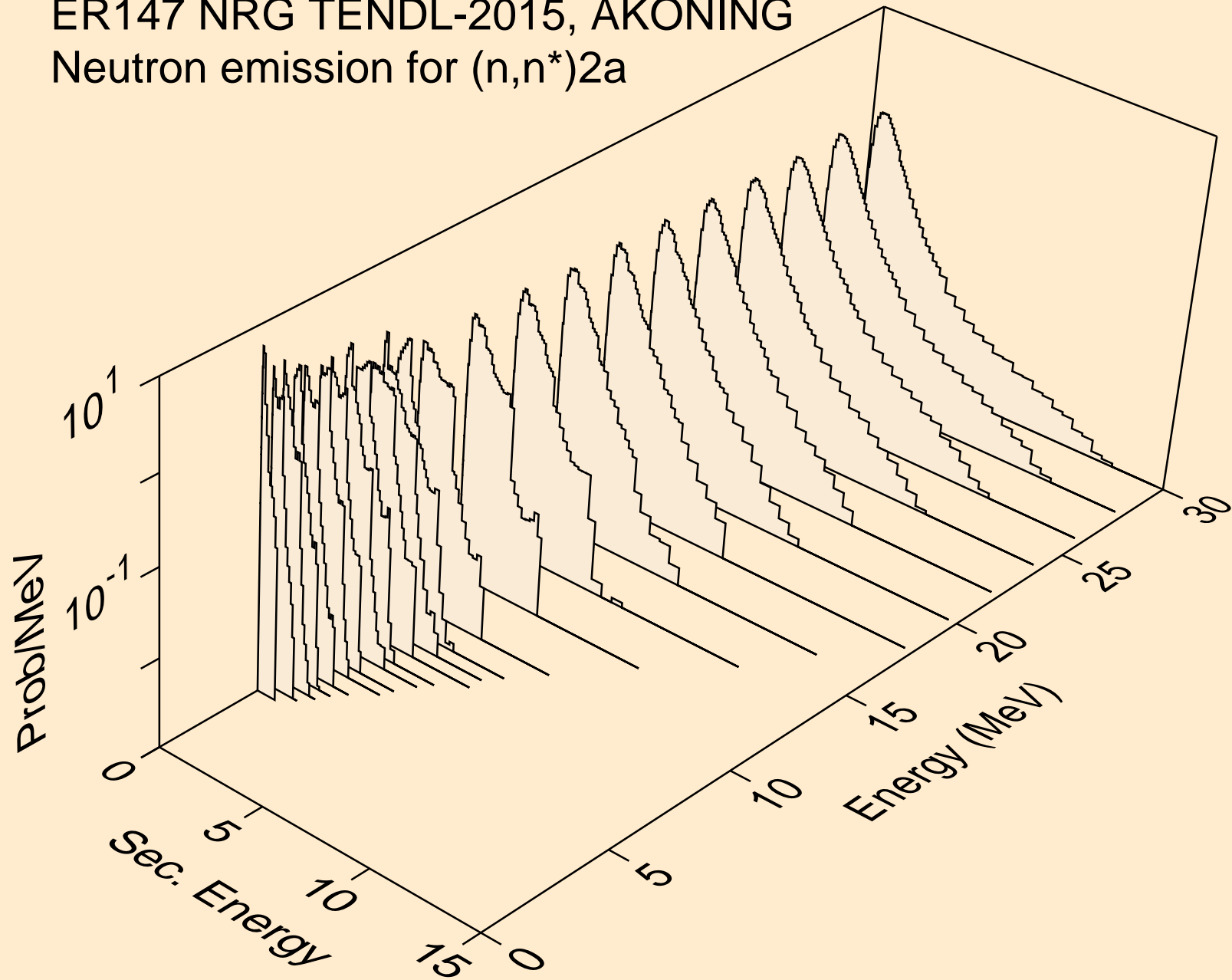
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



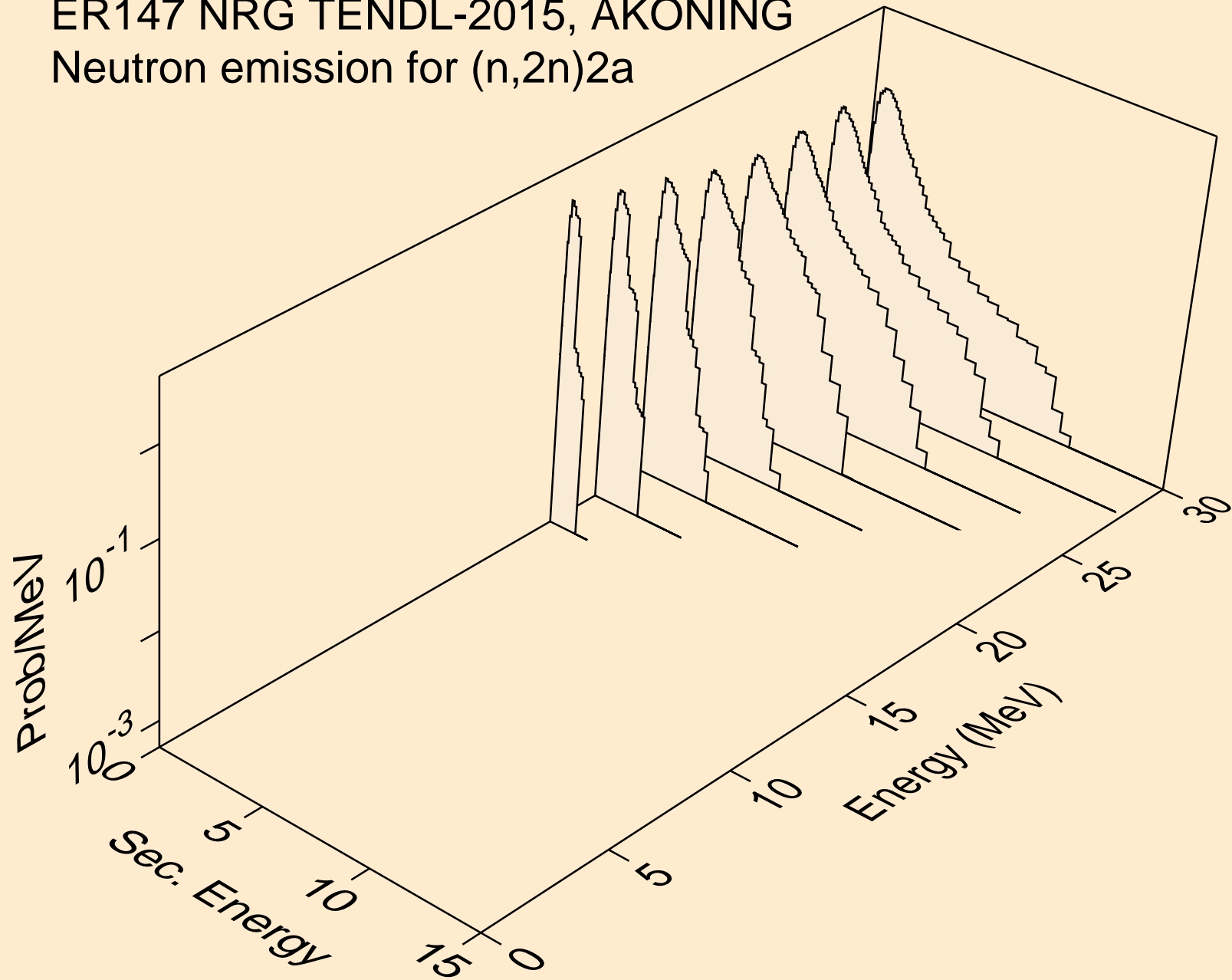
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



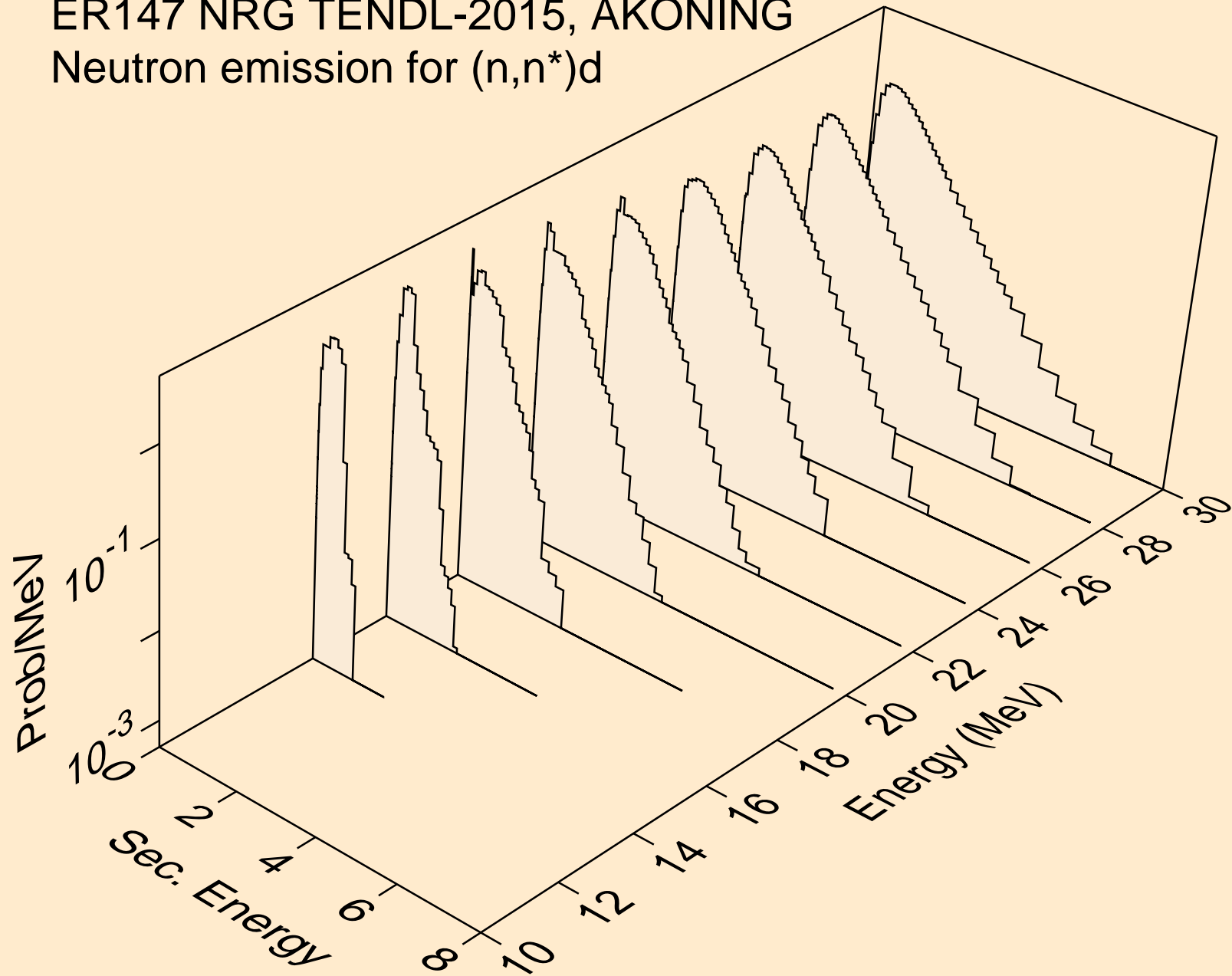
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



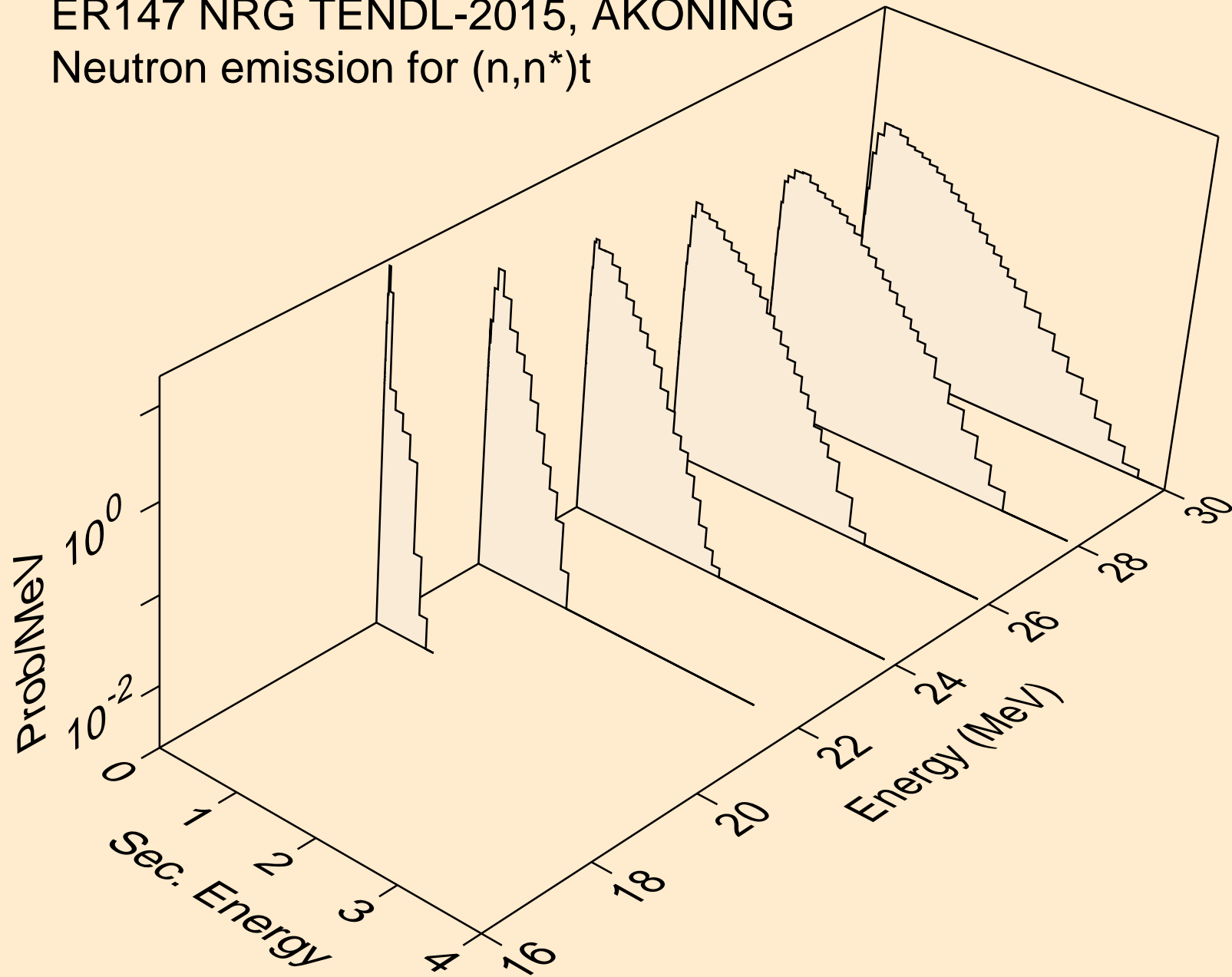
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



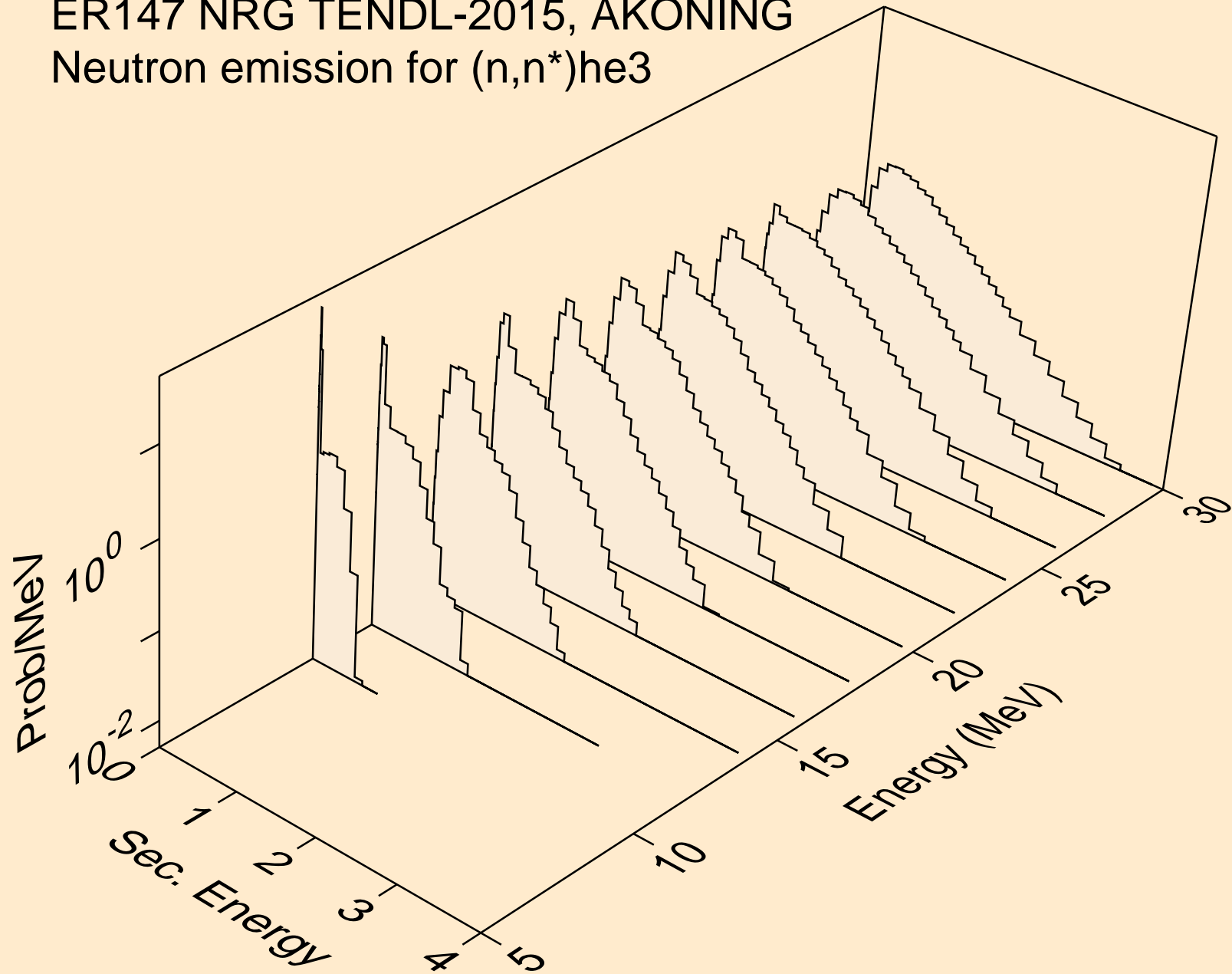
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

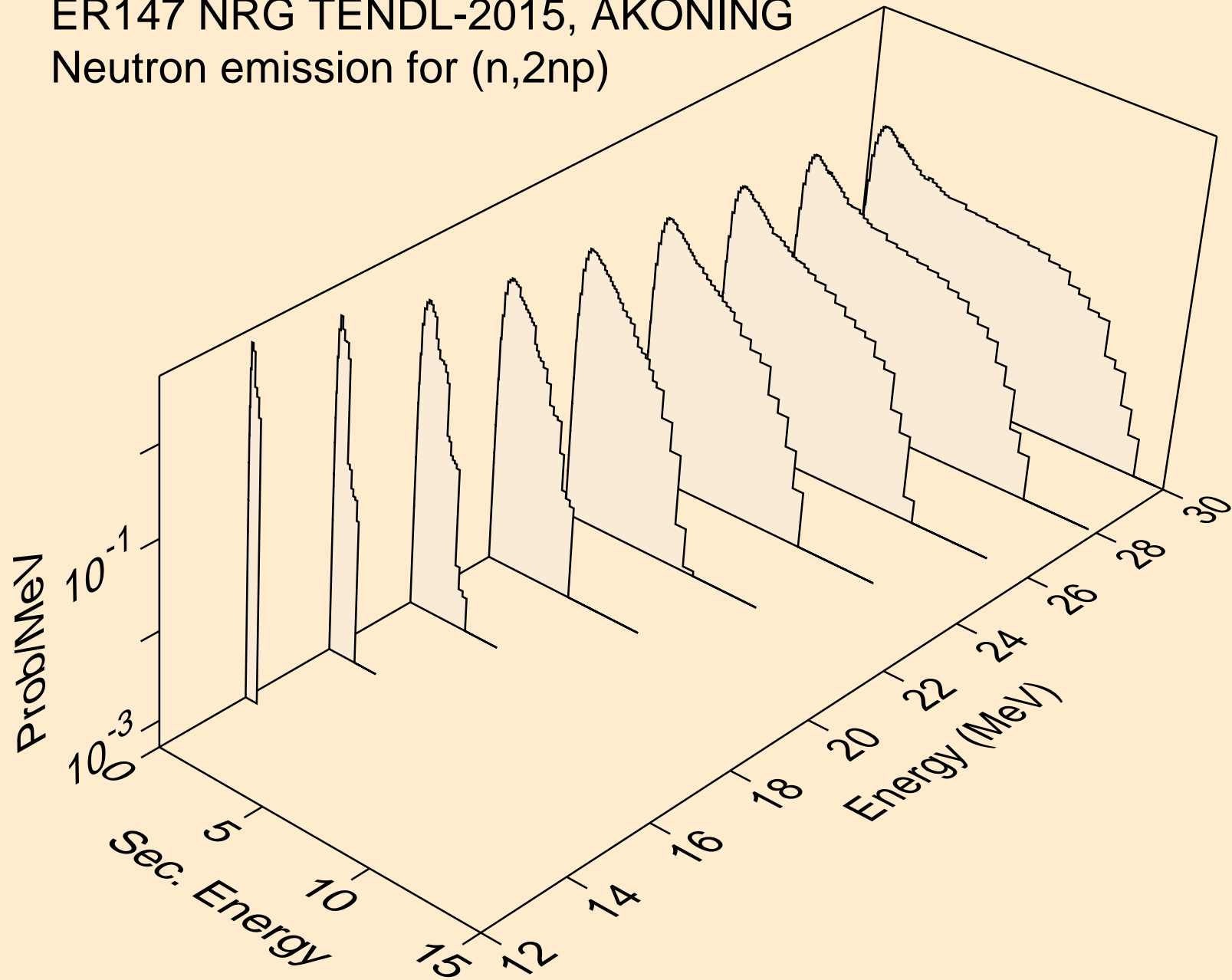


ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

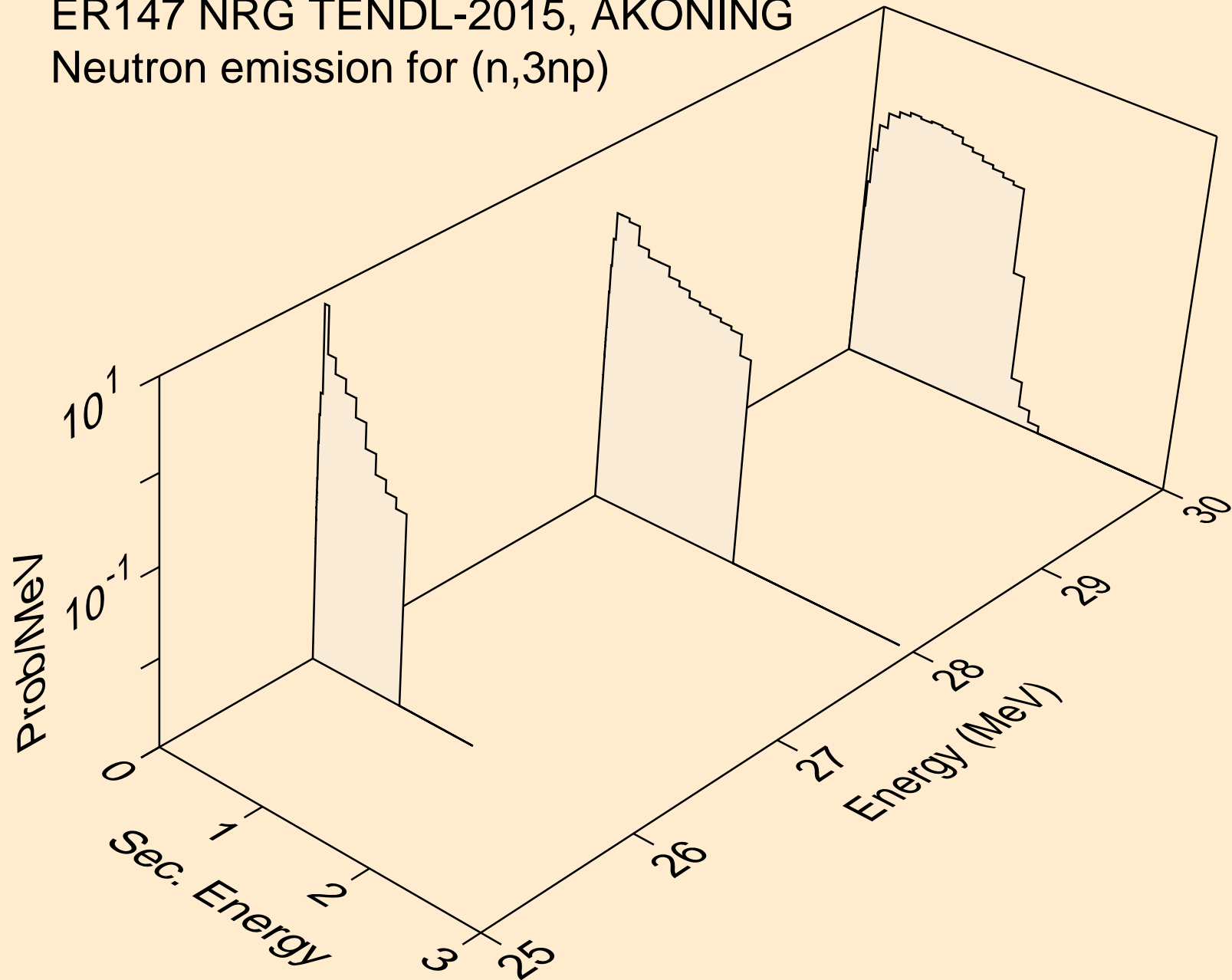




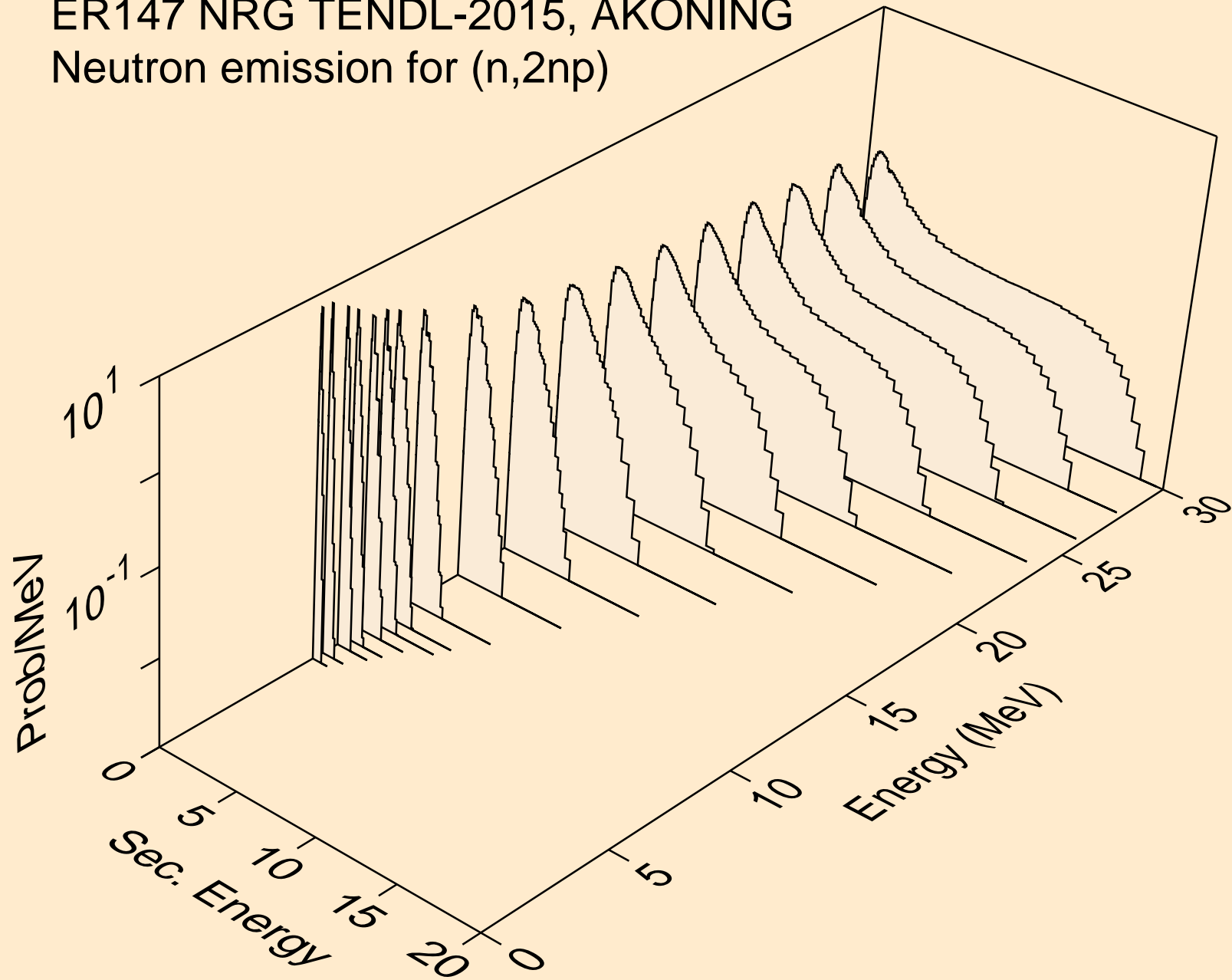
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



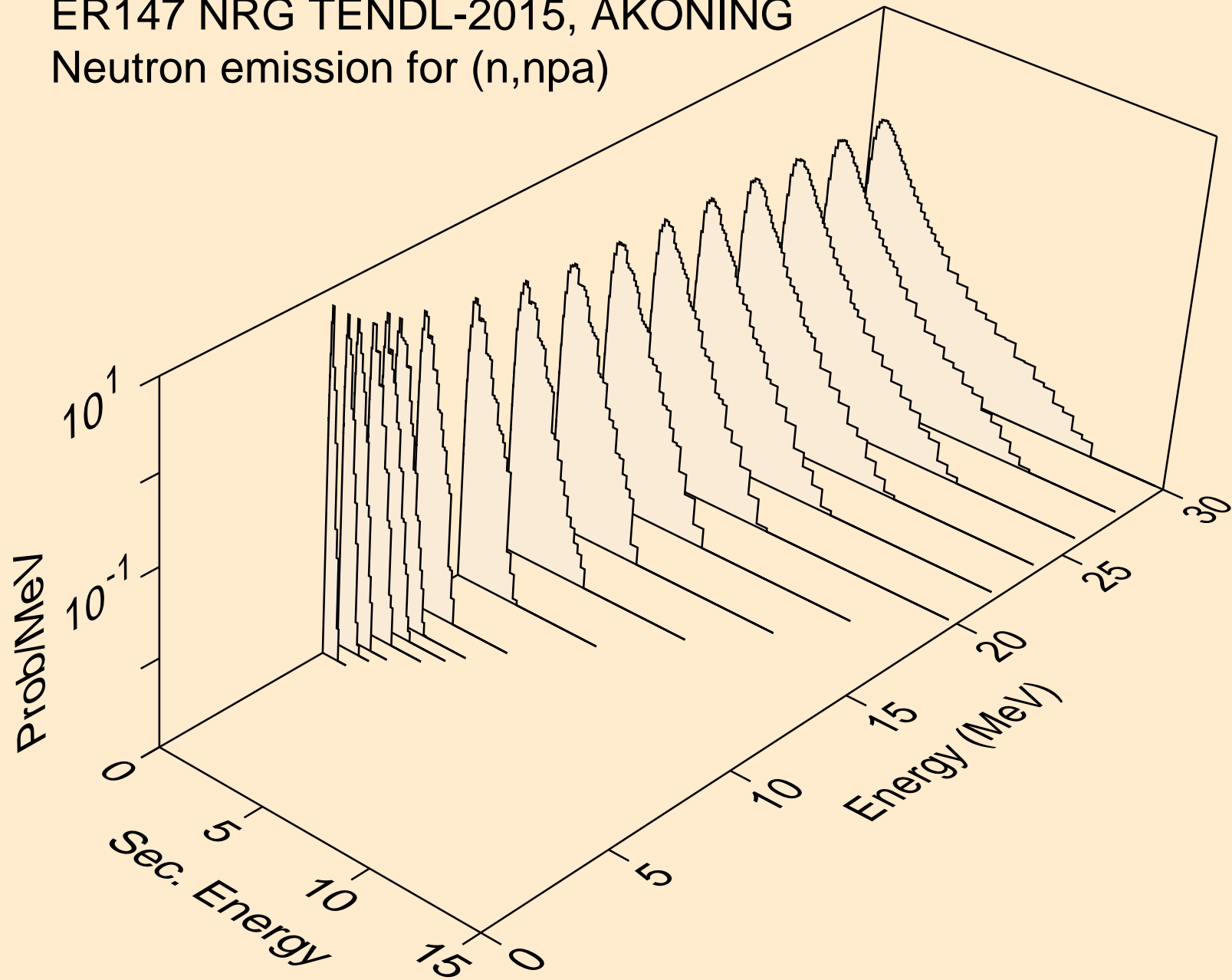
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



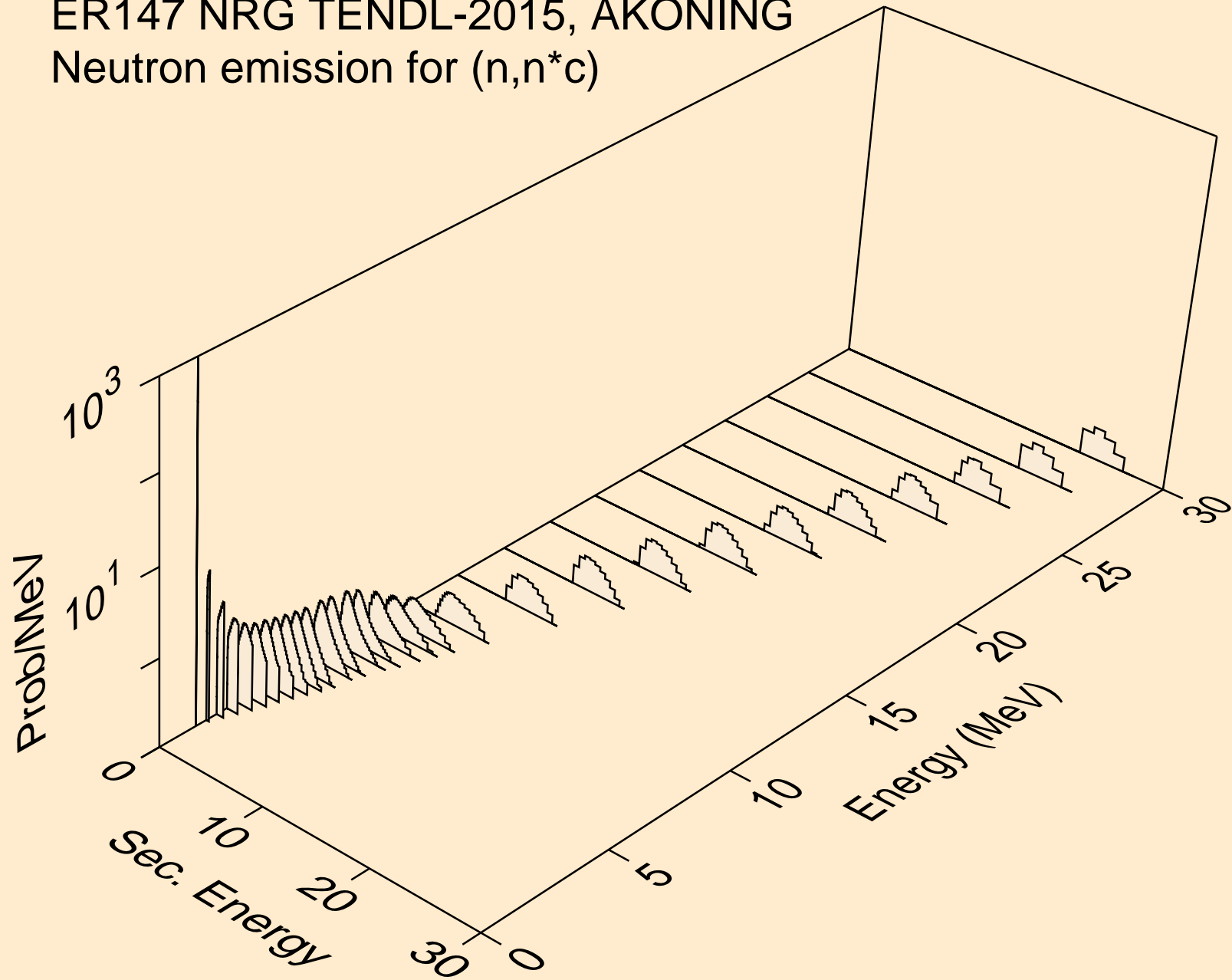
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



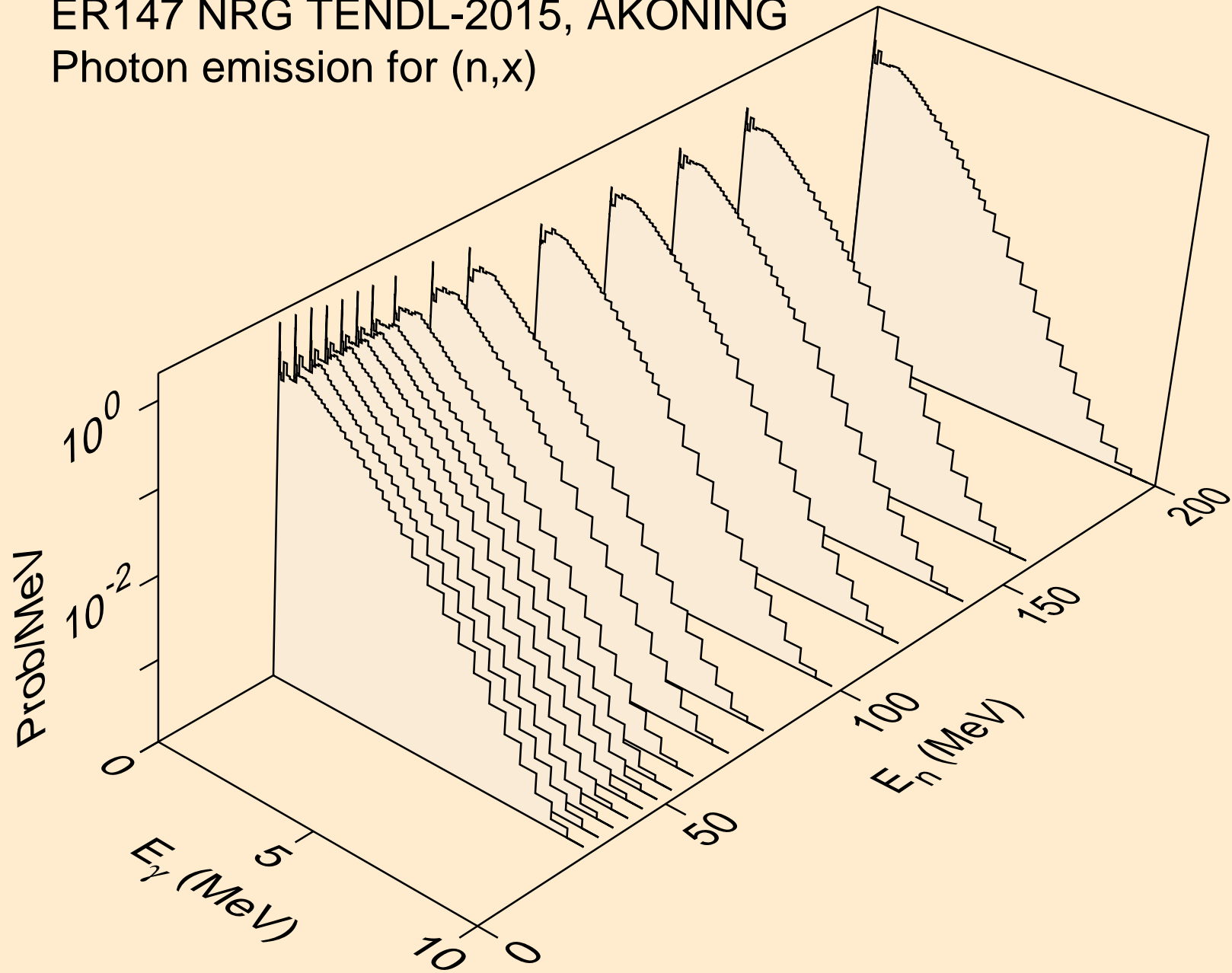
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



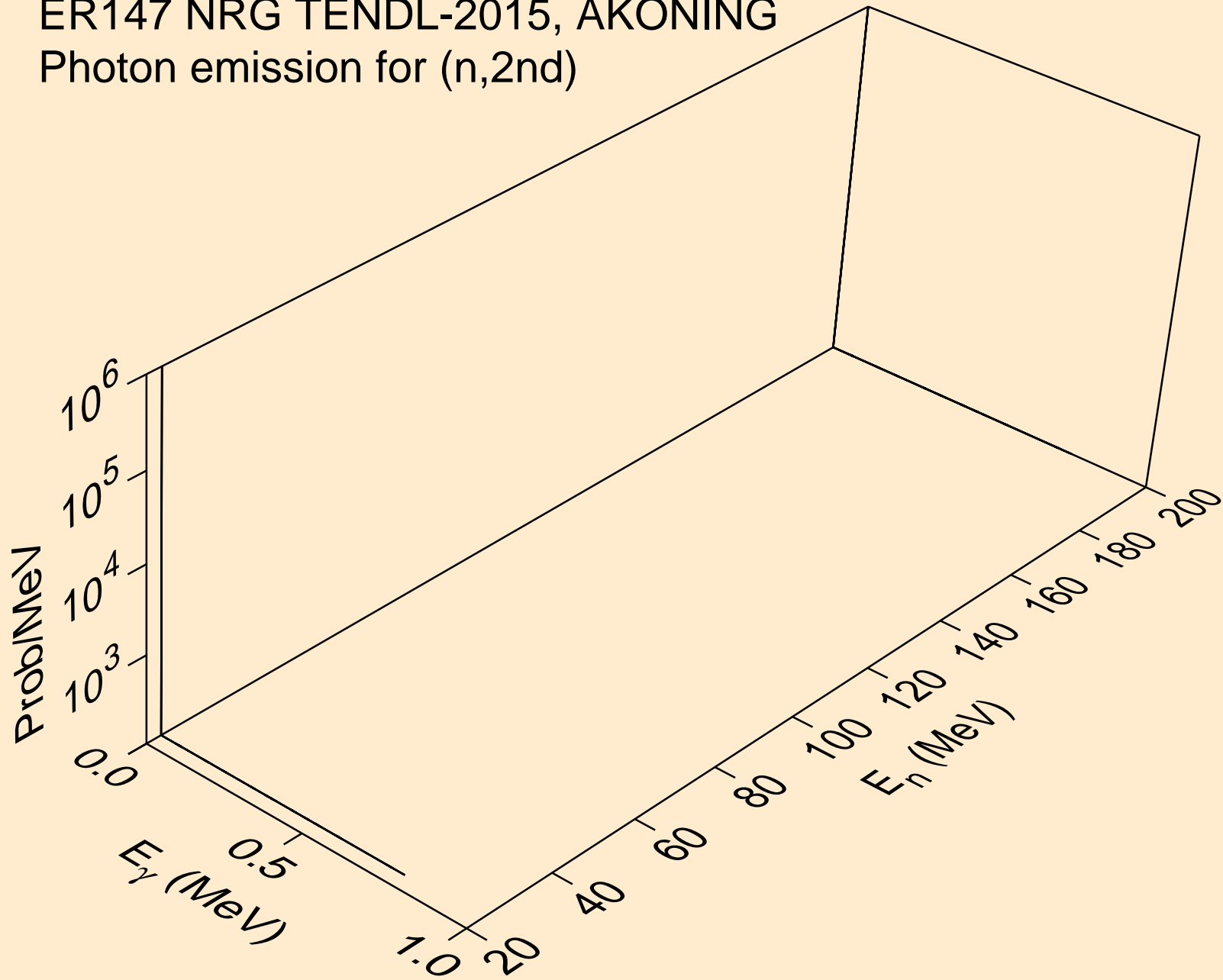
ER147 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



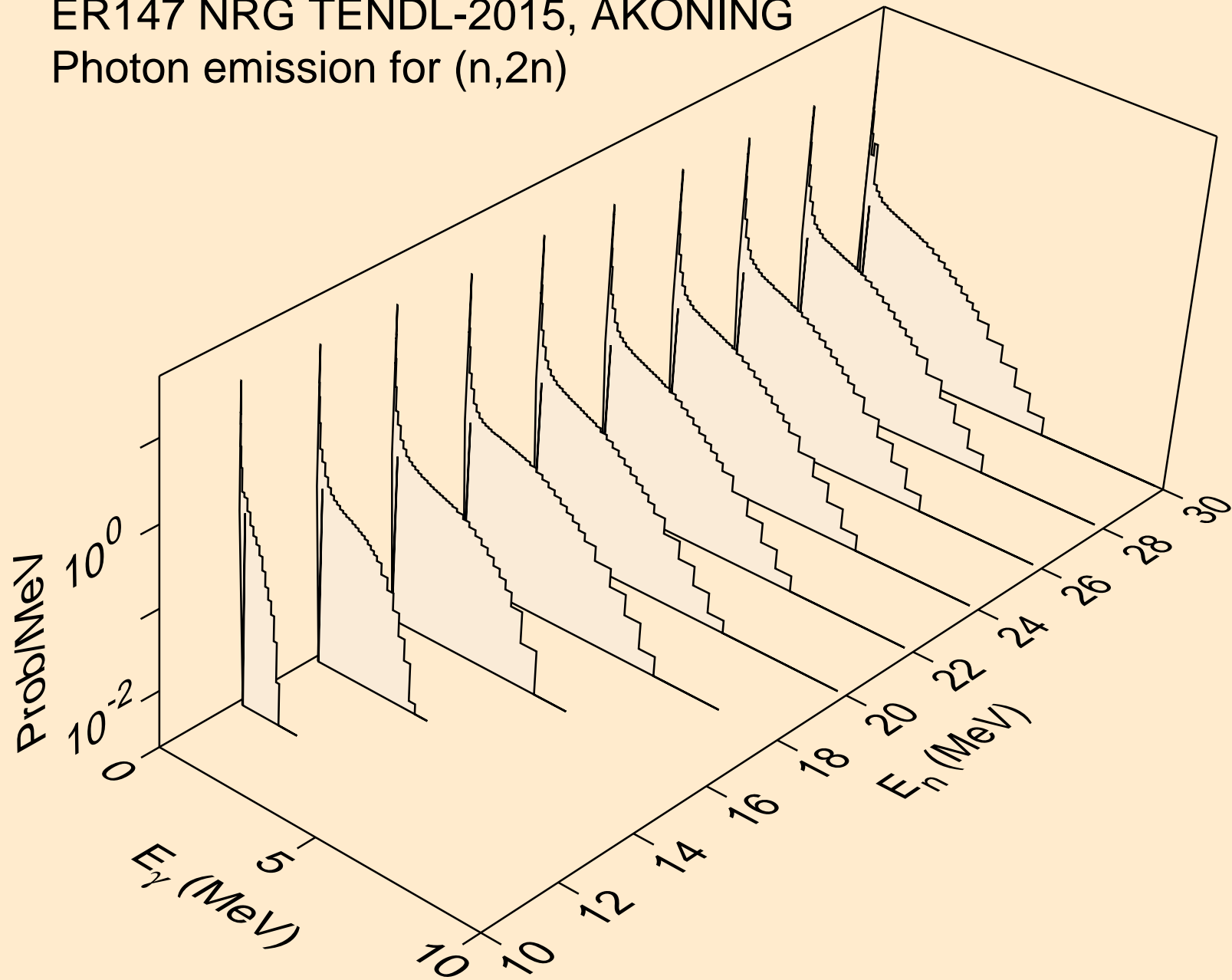
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

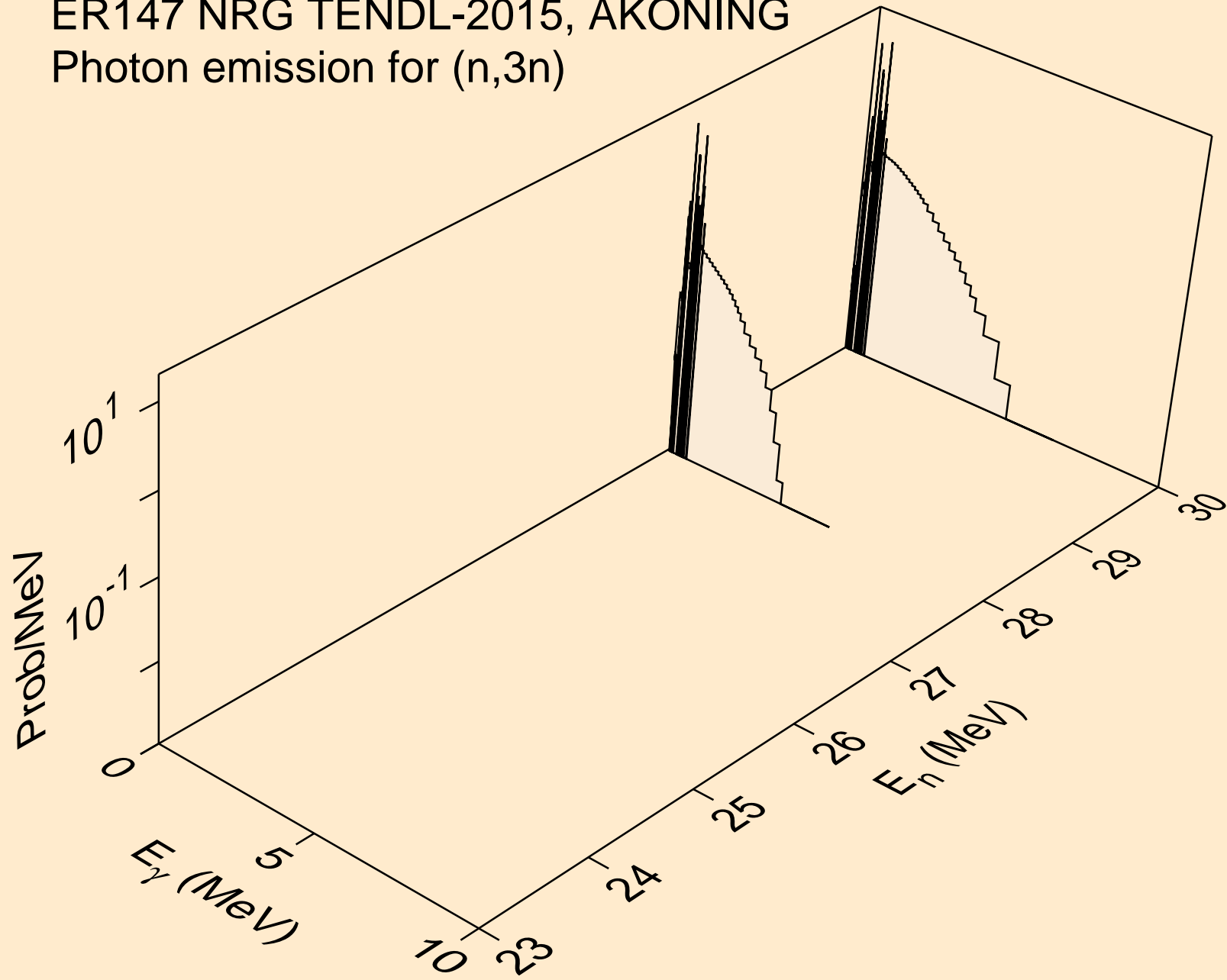


ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

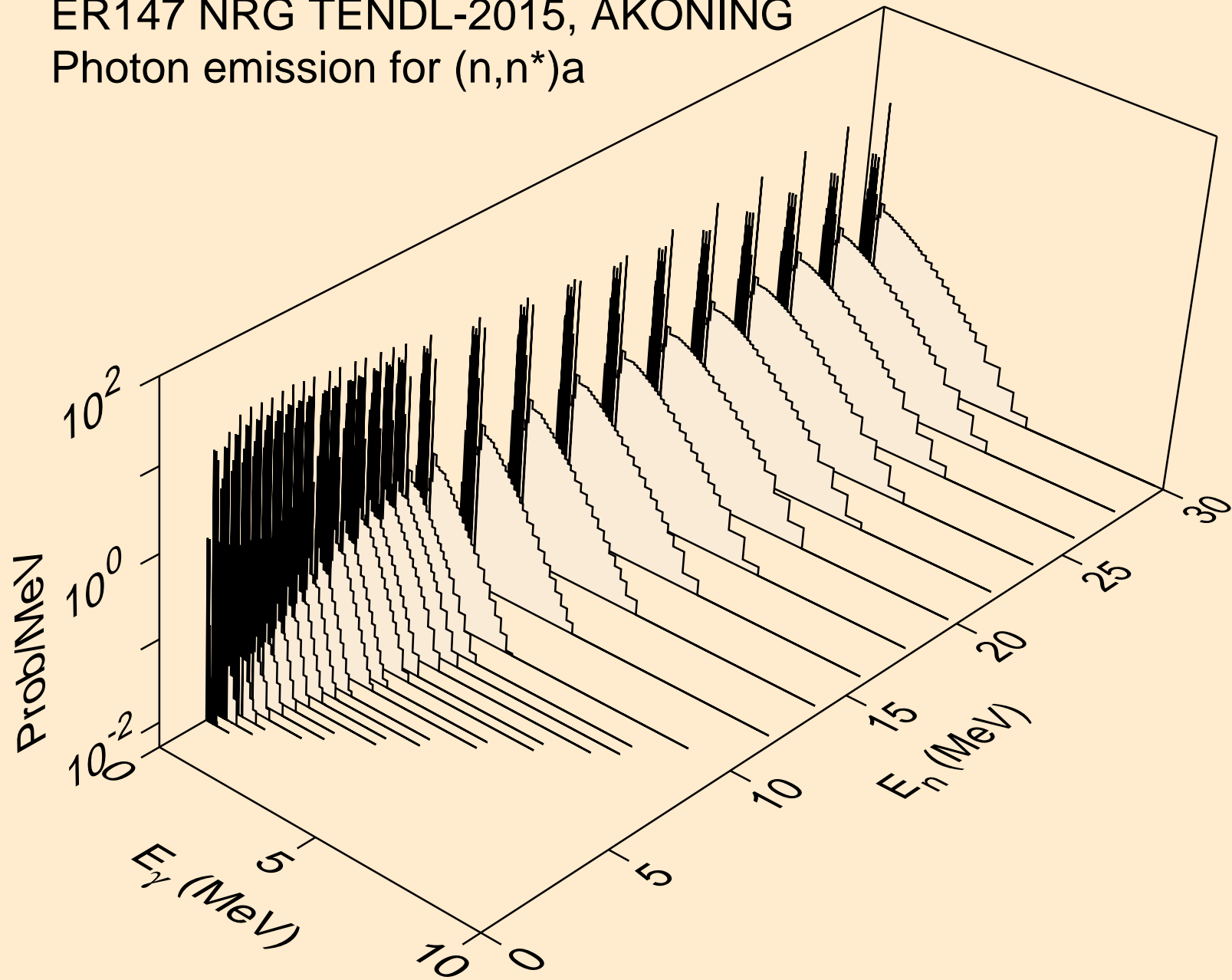




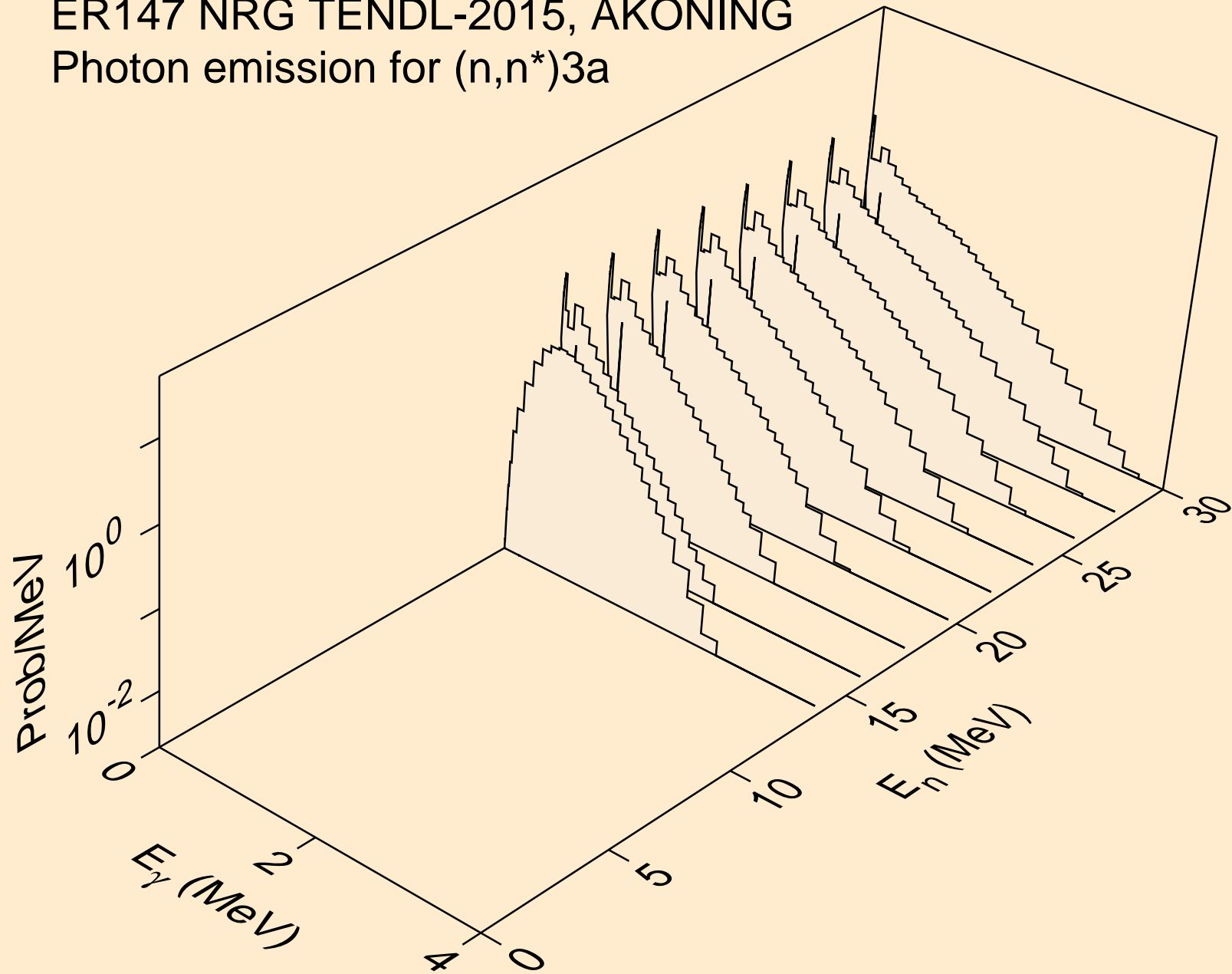
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



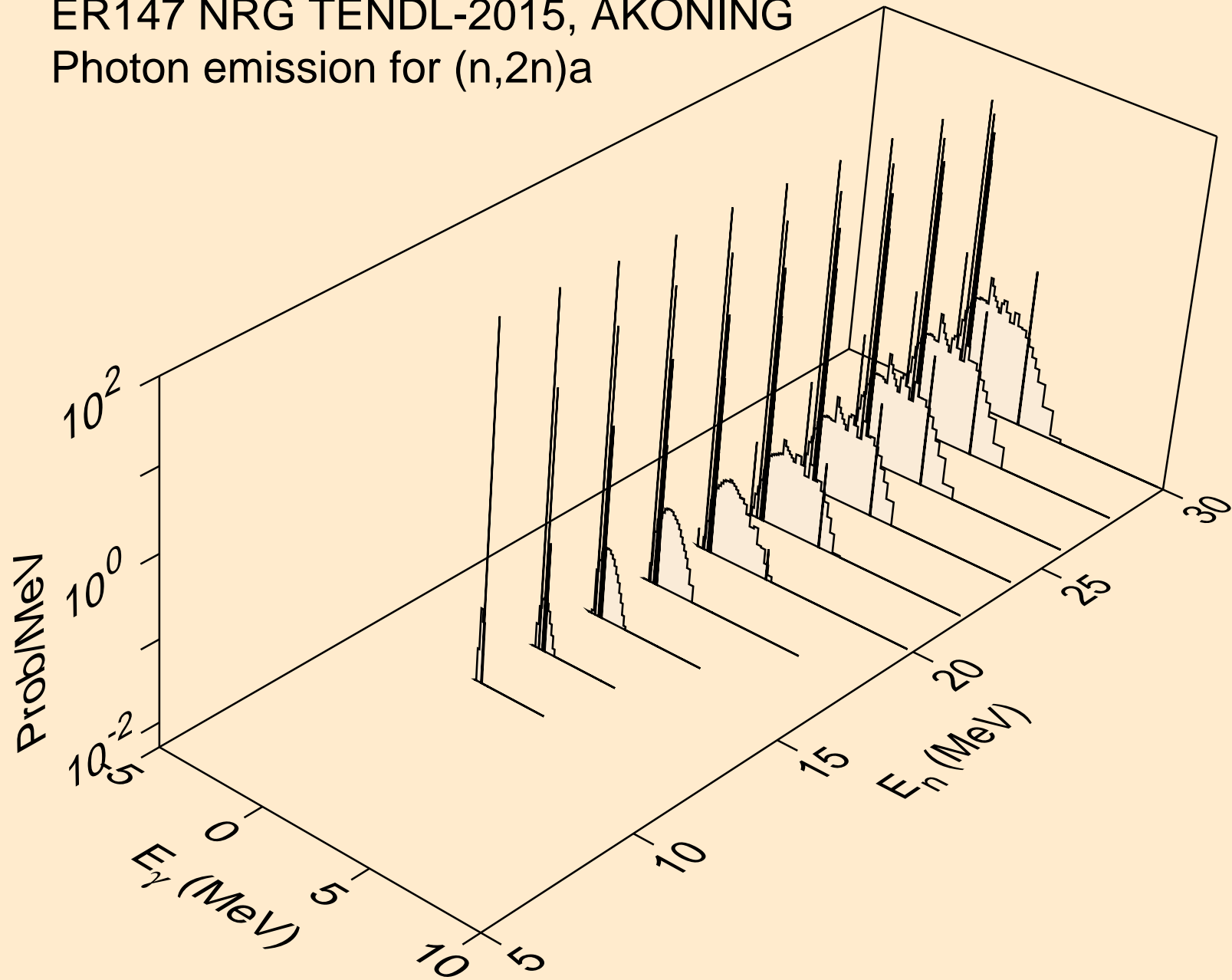
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



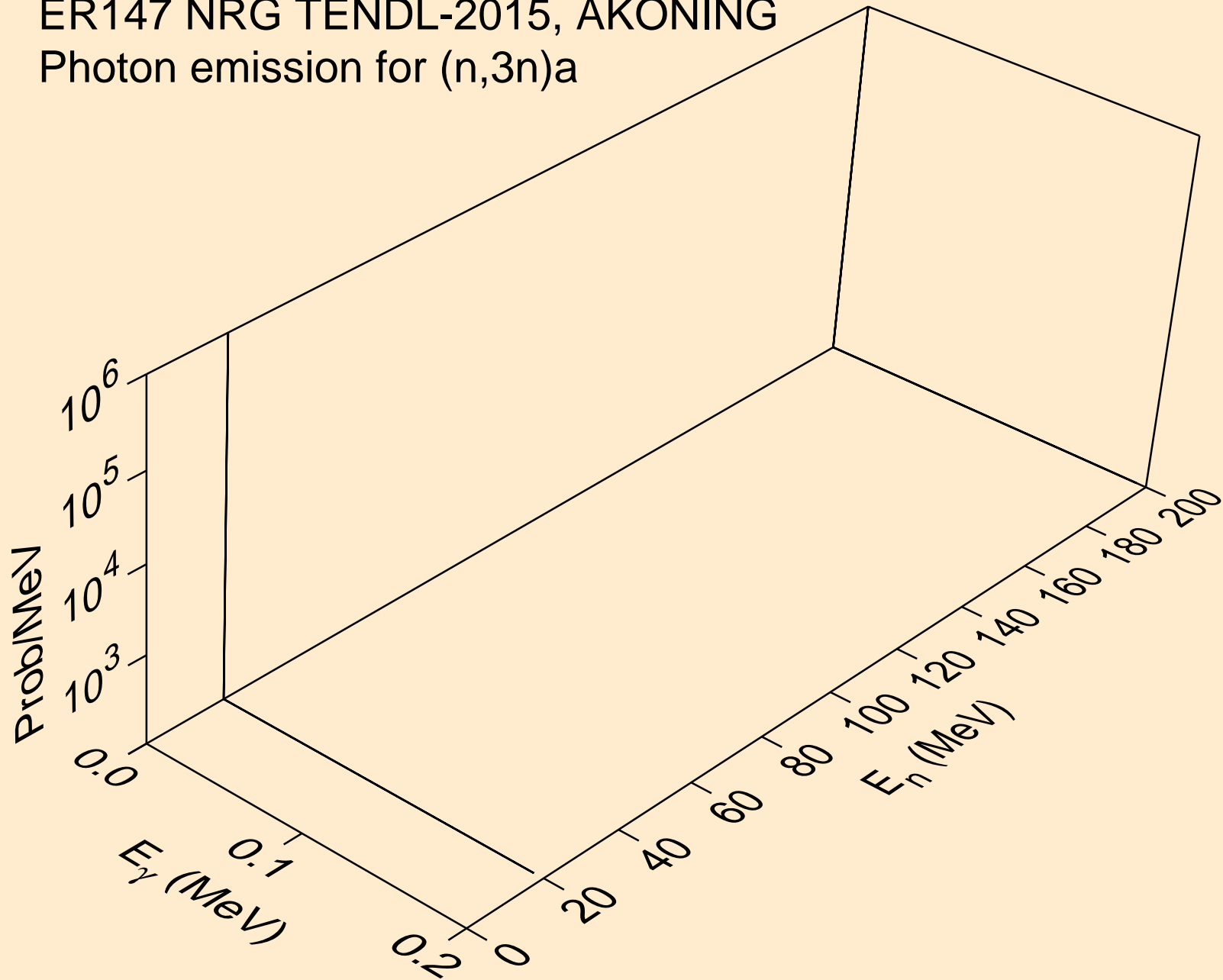
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

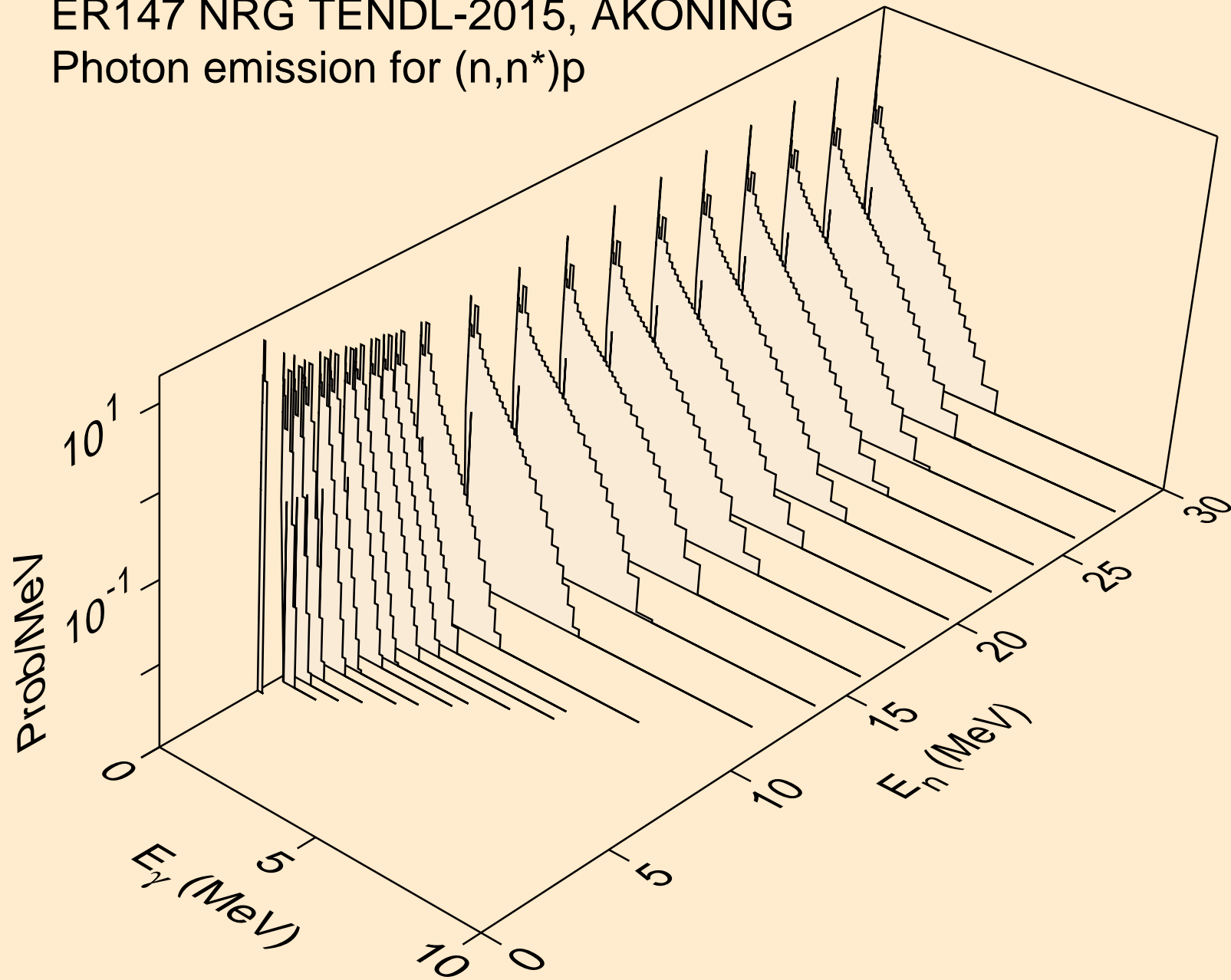


ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

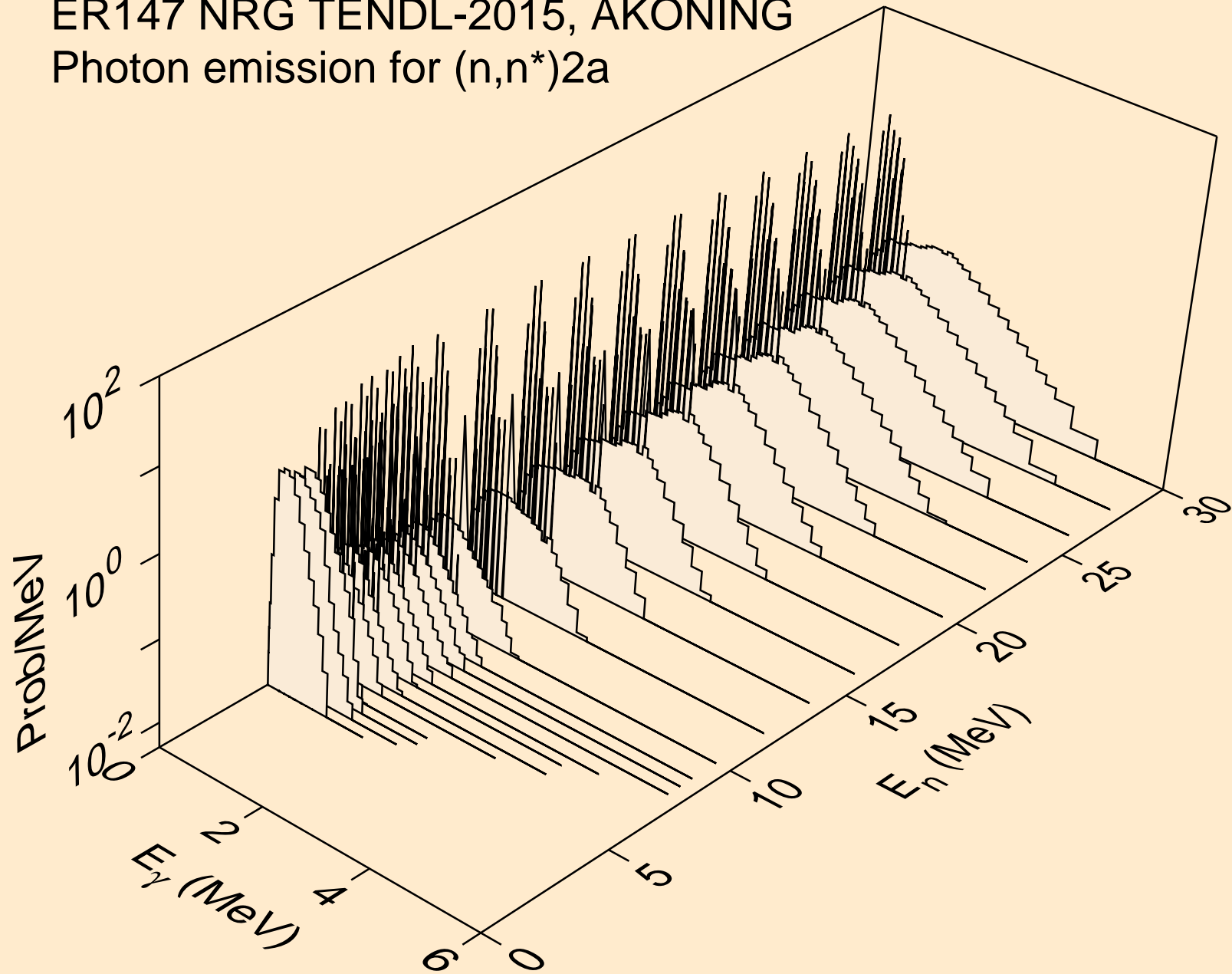


# ER147 NRG TENDL-2015, AKONING

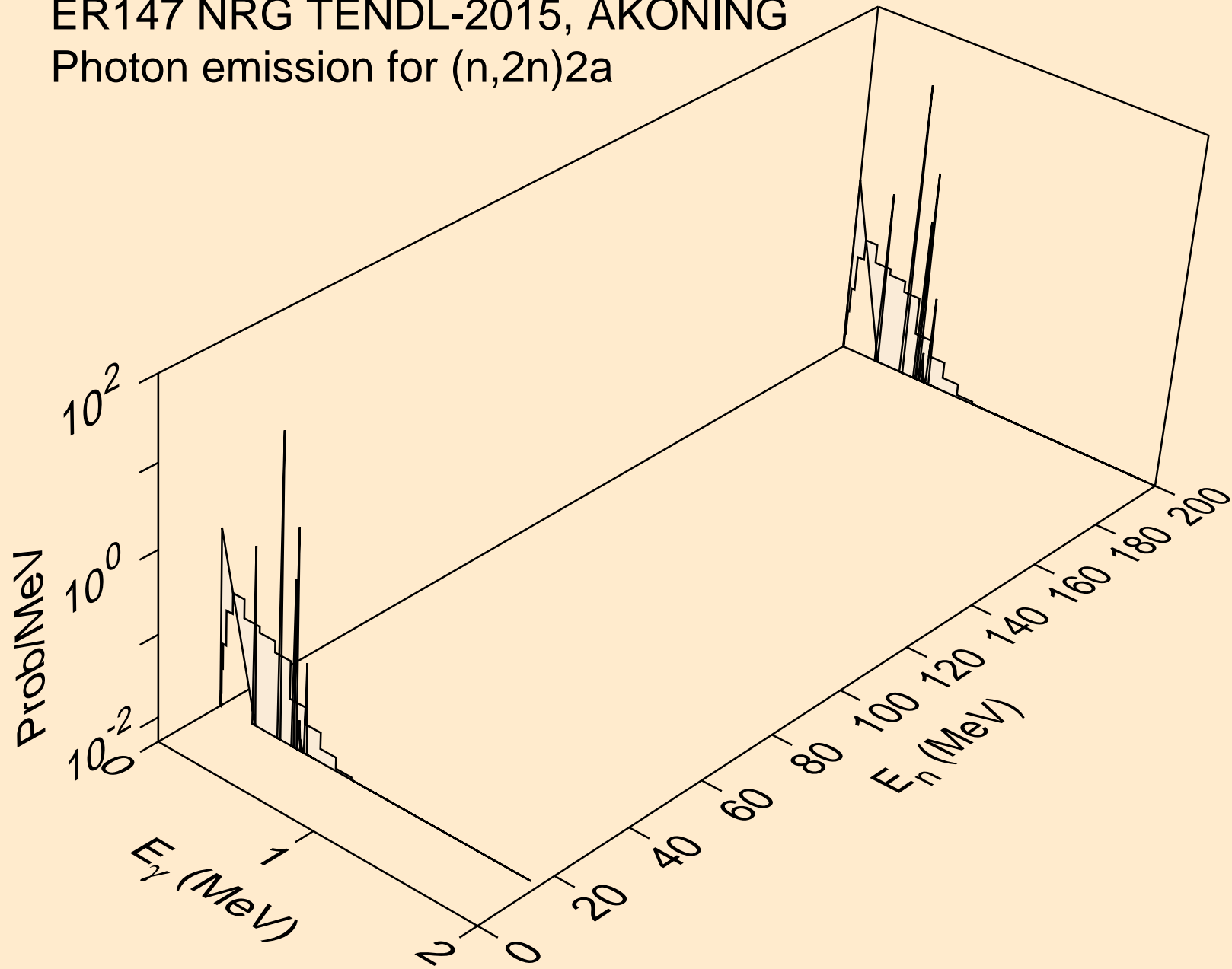
Photon emission for (n,n\*)p



ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

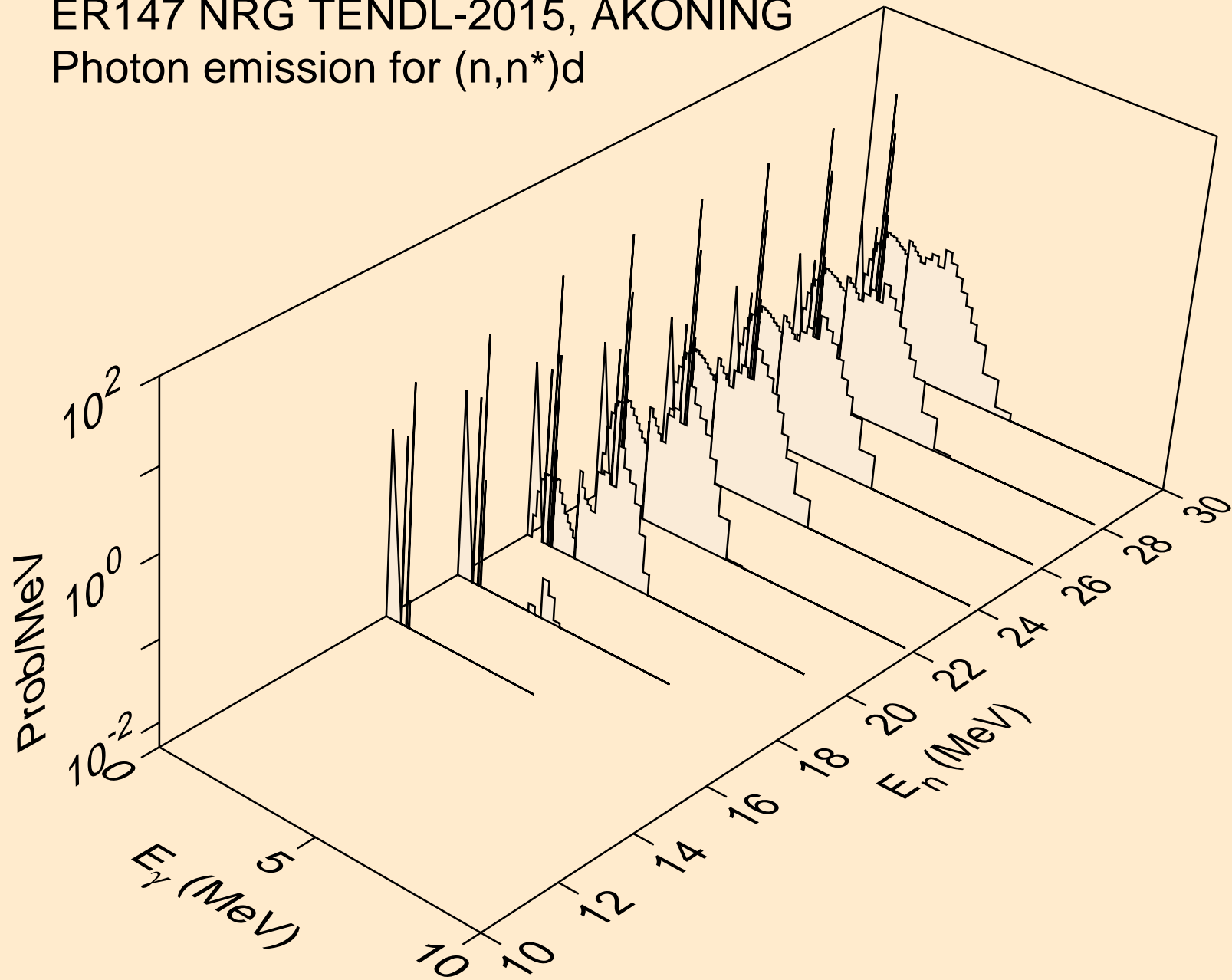


ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

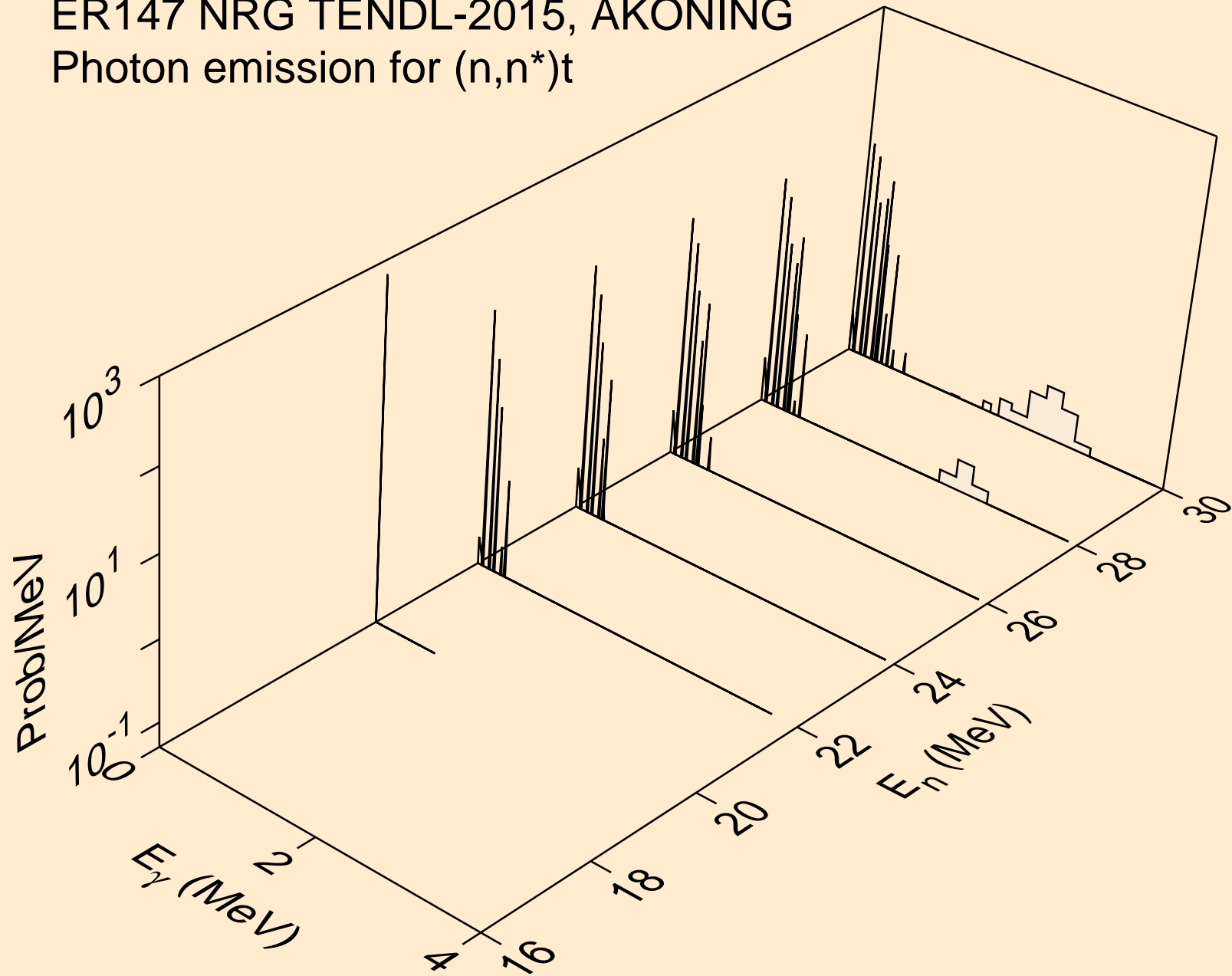




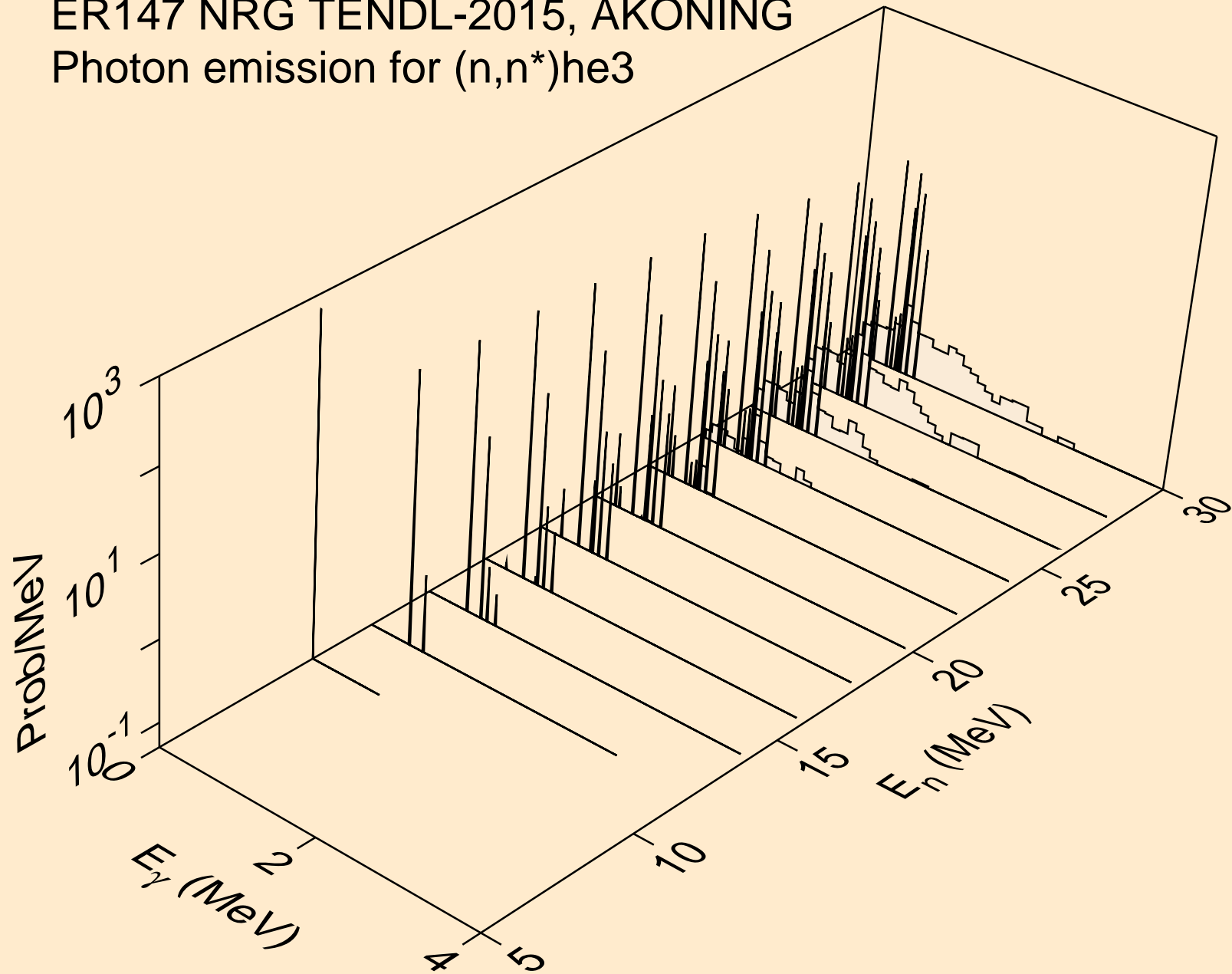
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



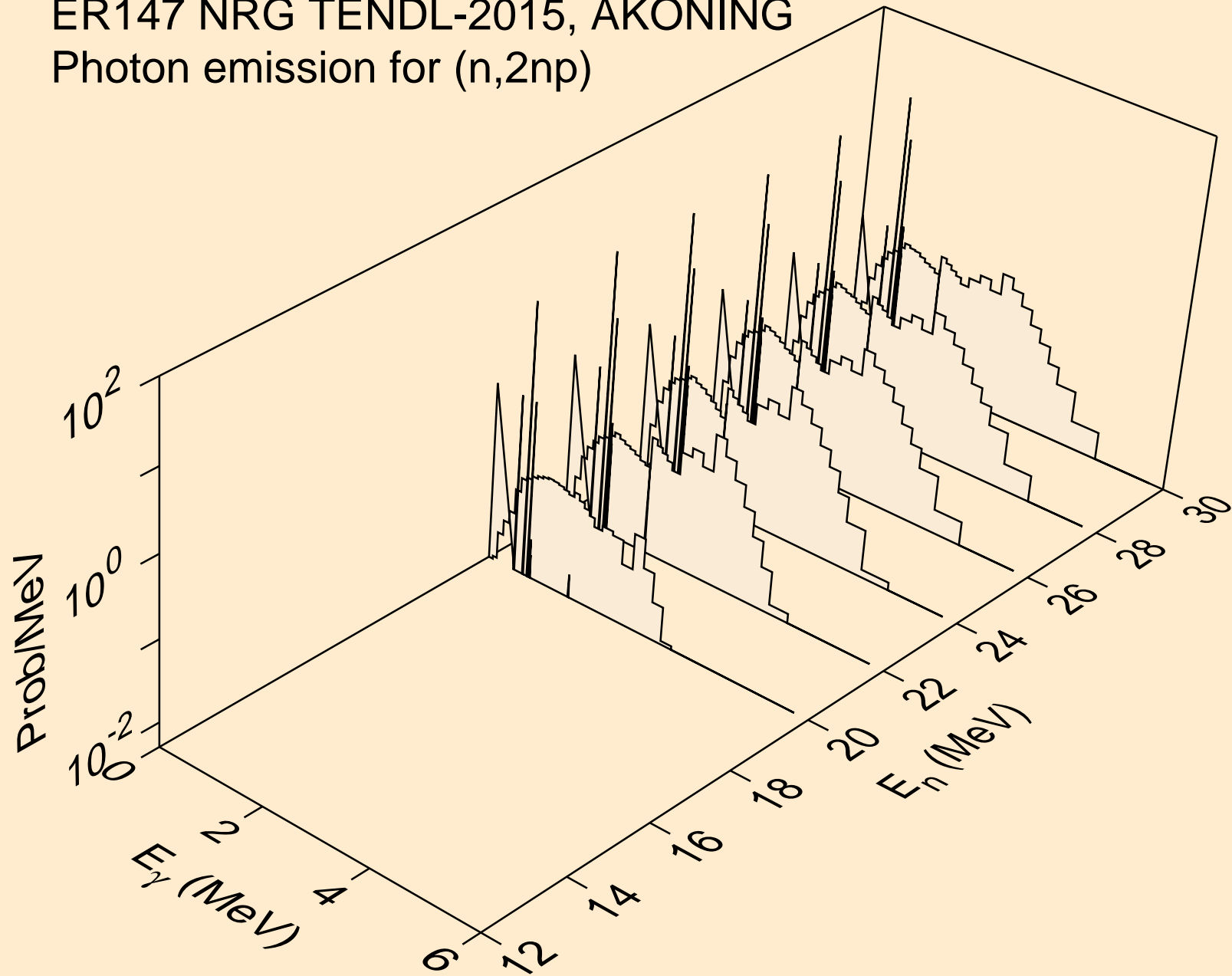
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



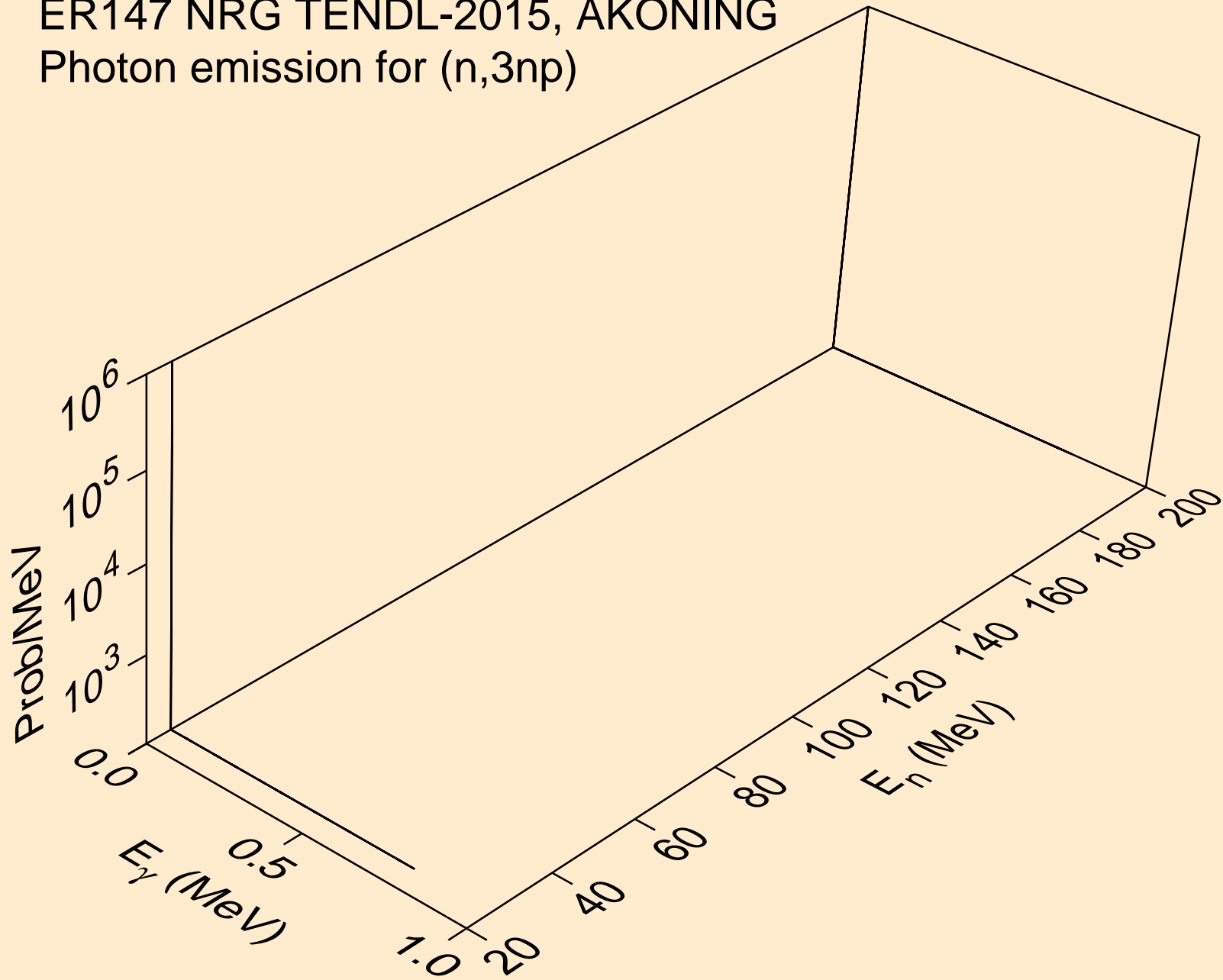
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



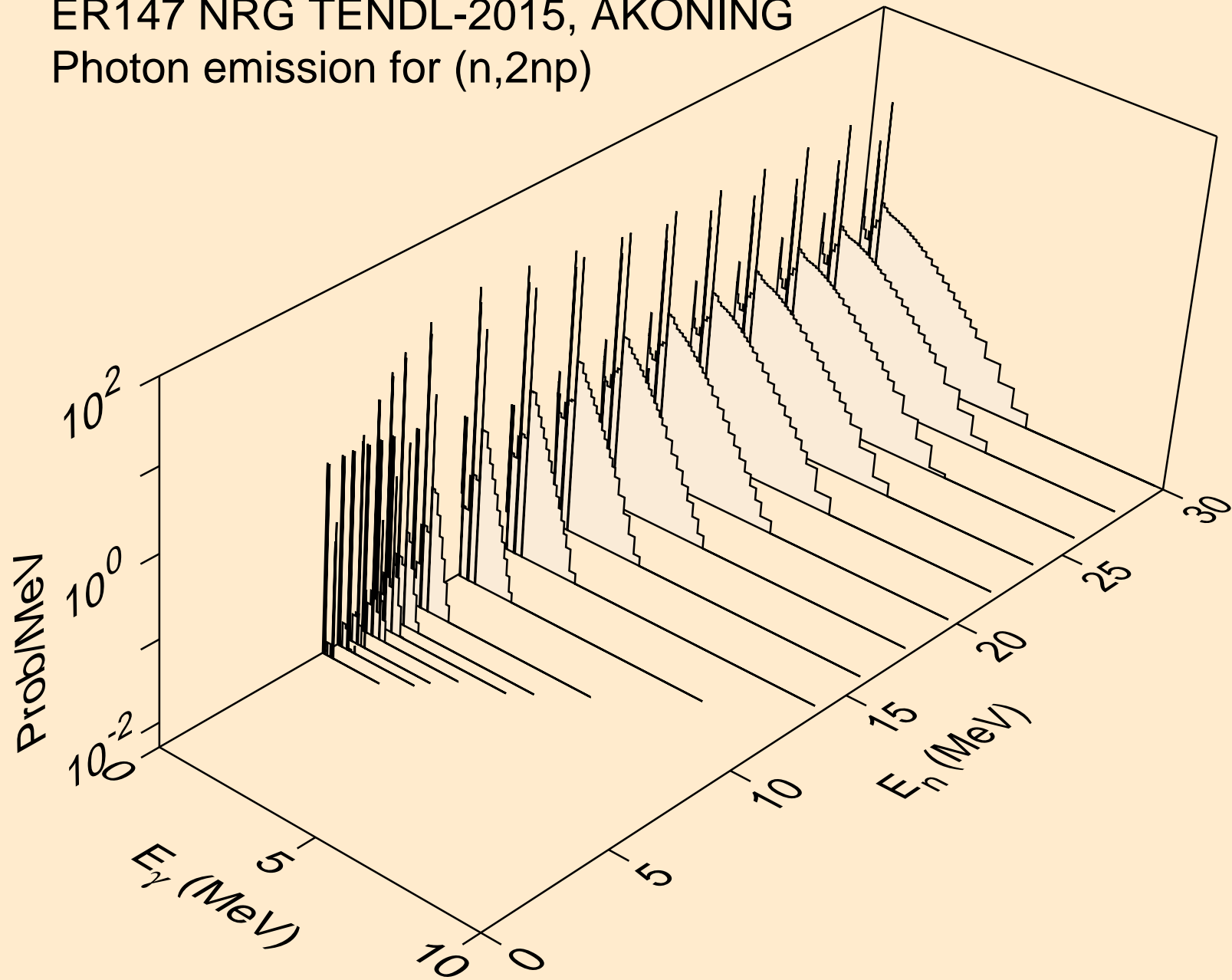
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



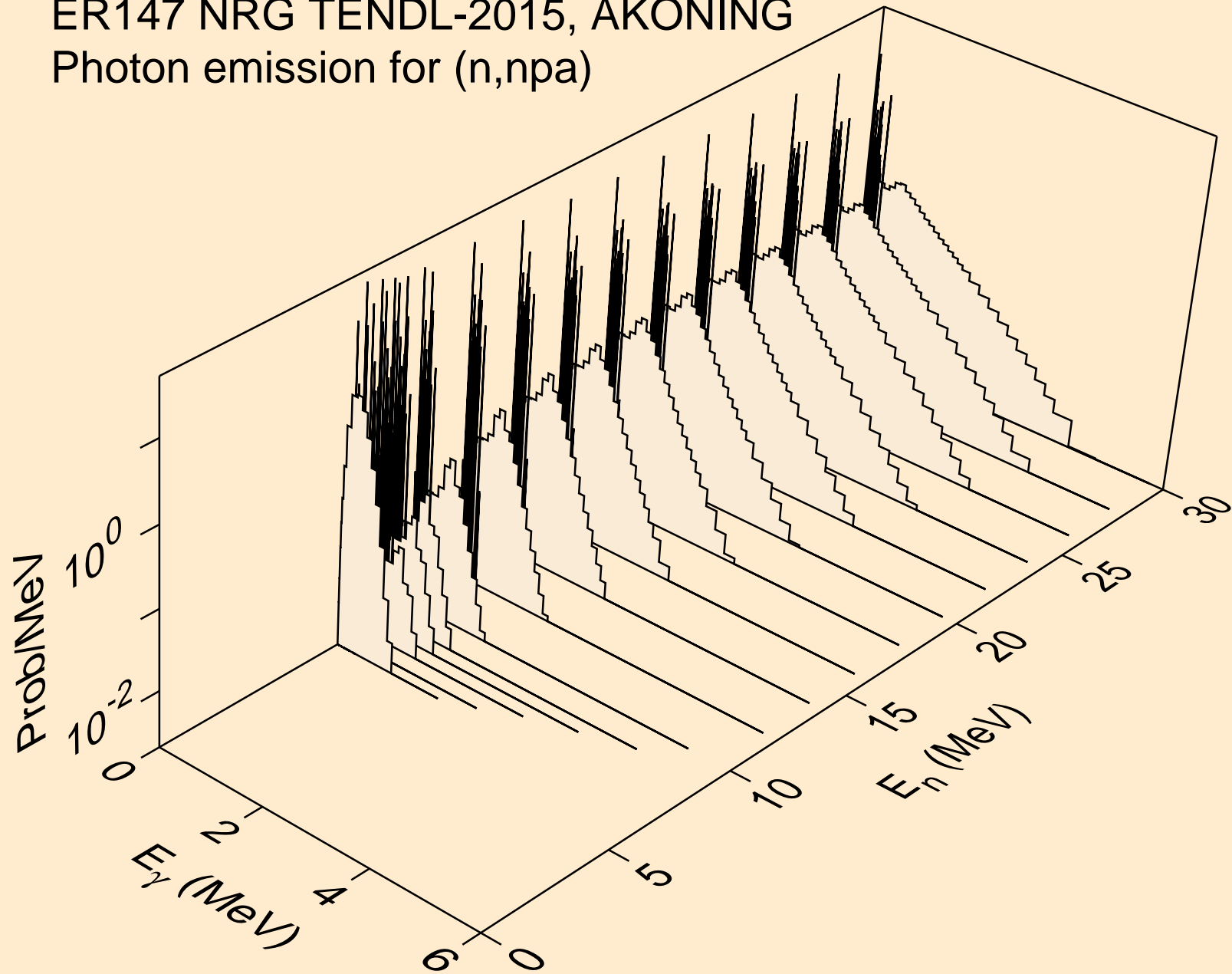
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



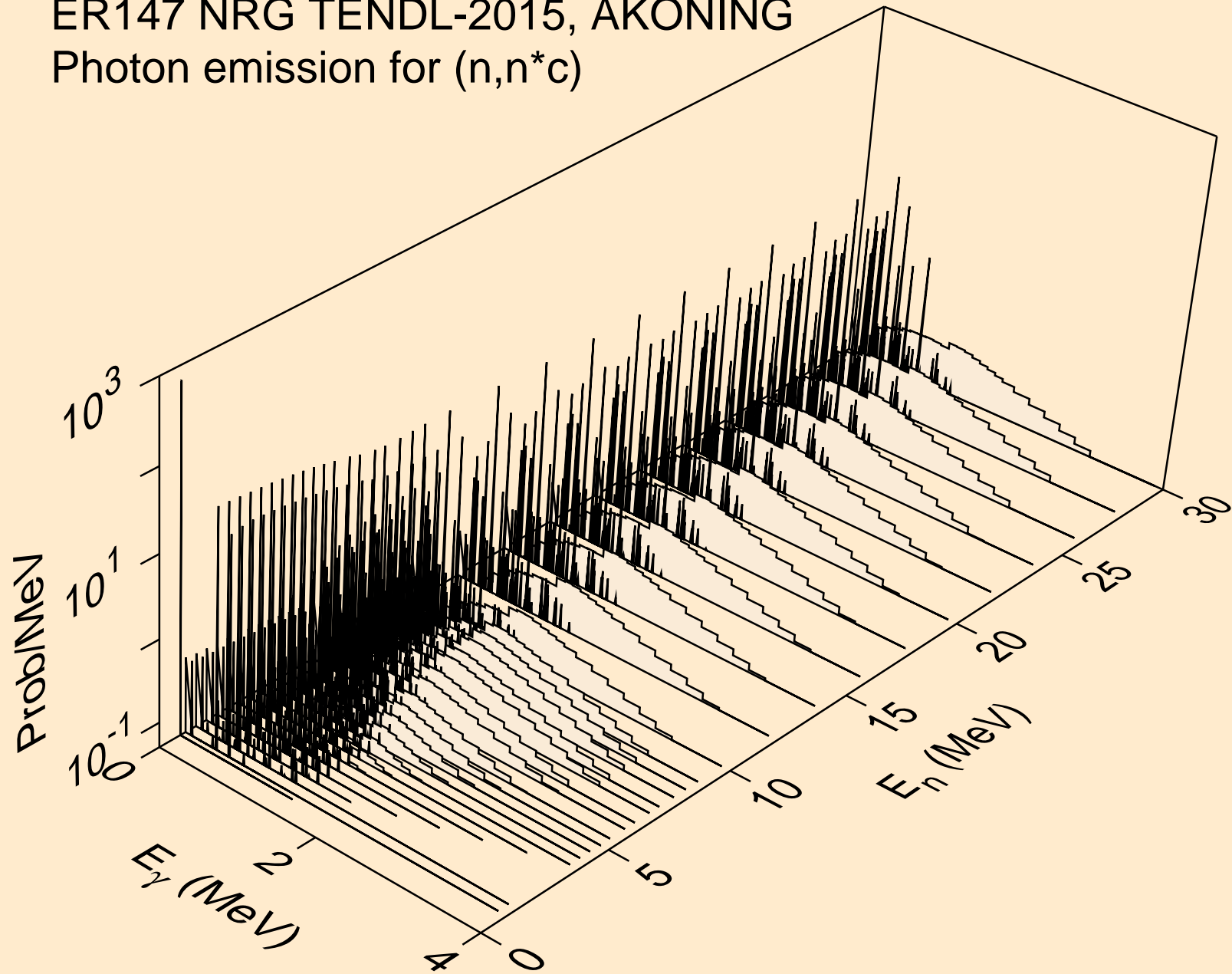
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

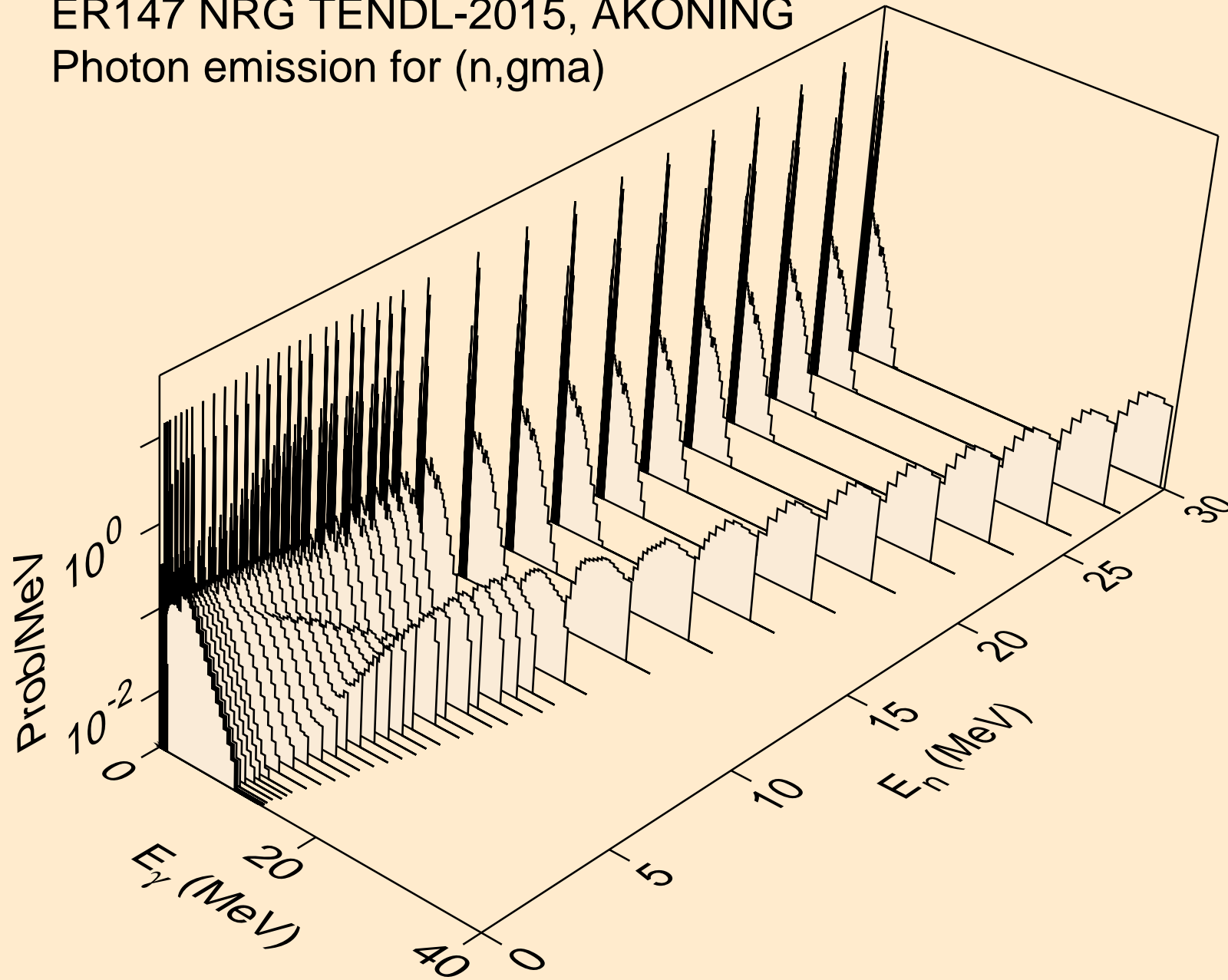


ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

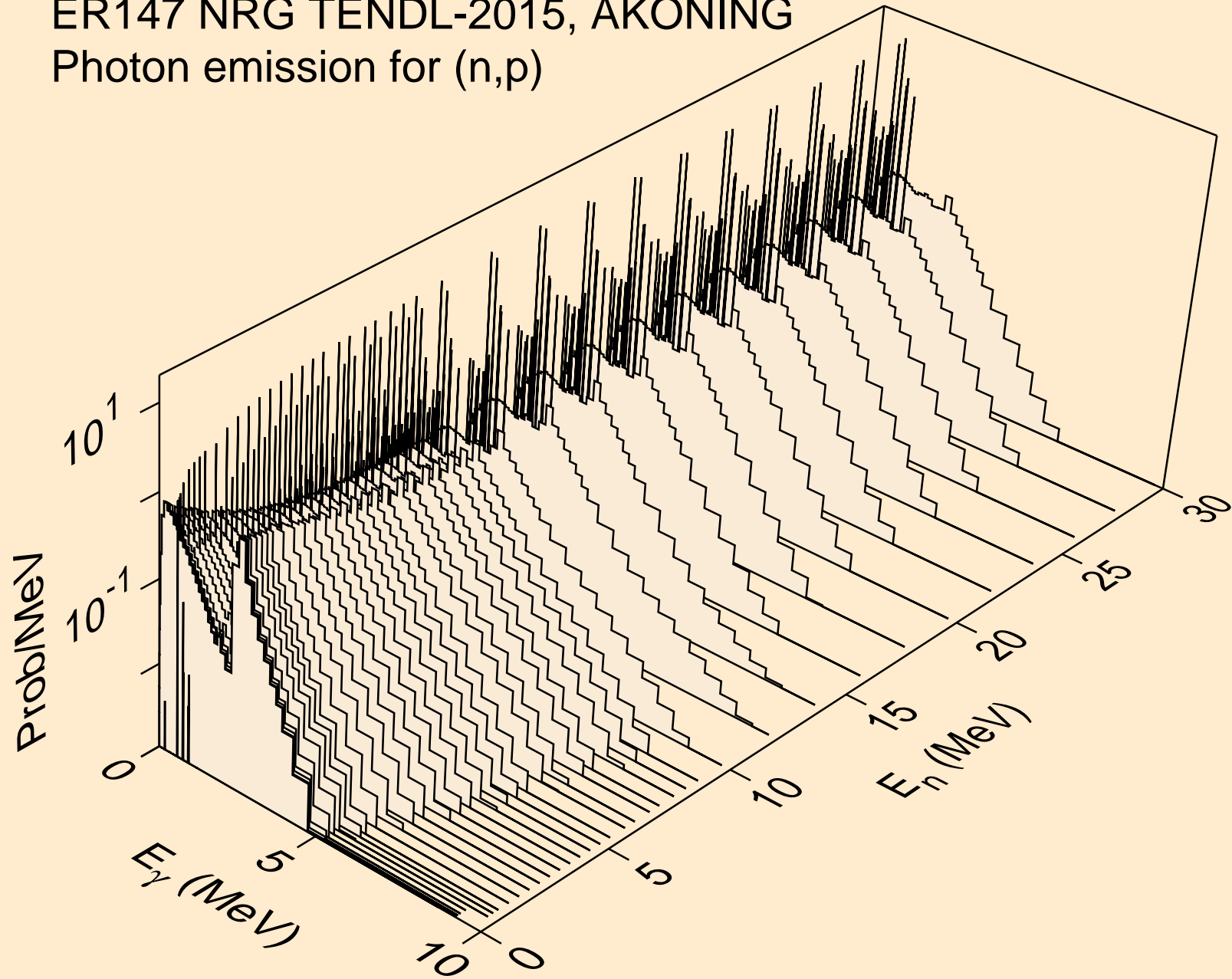




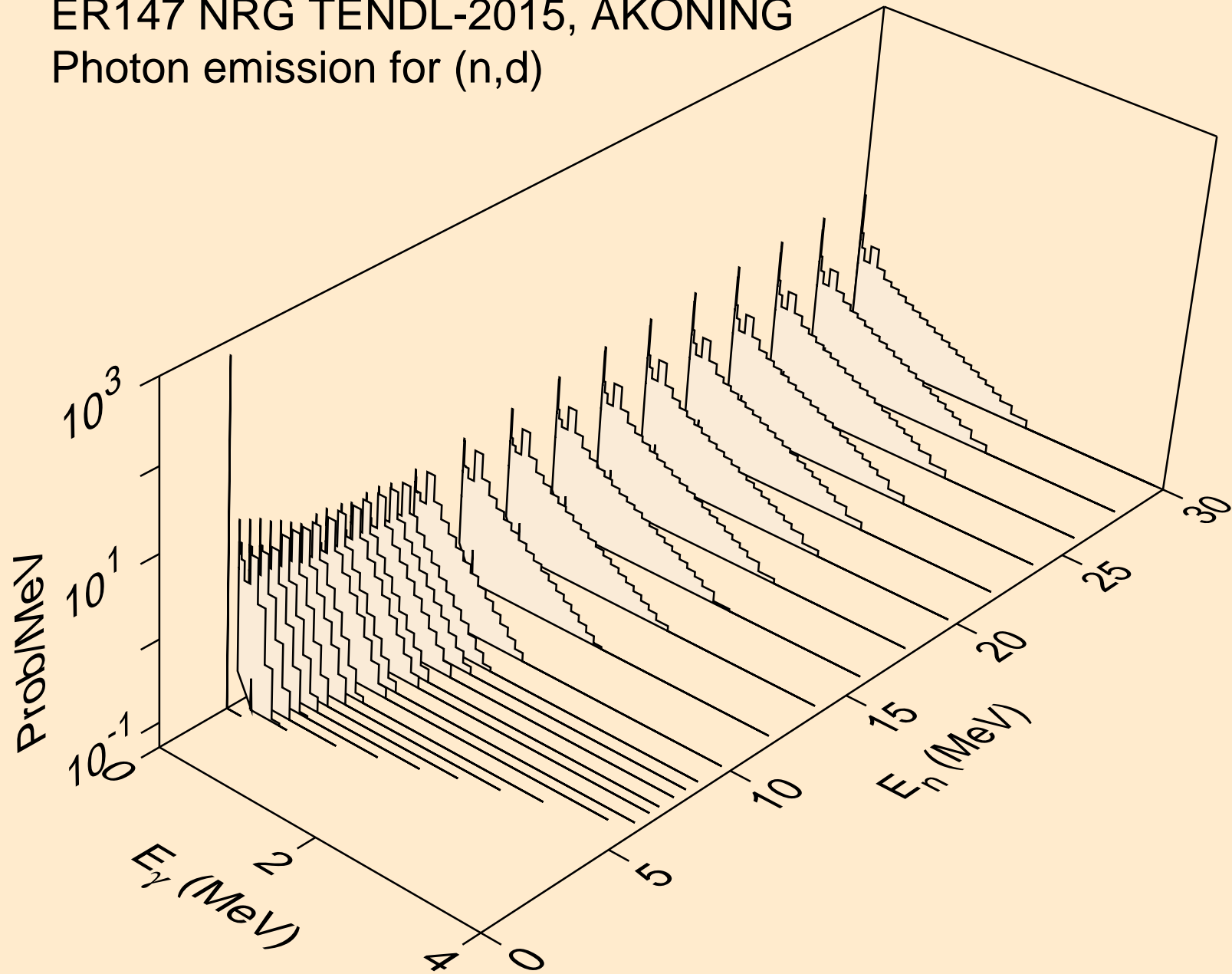
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



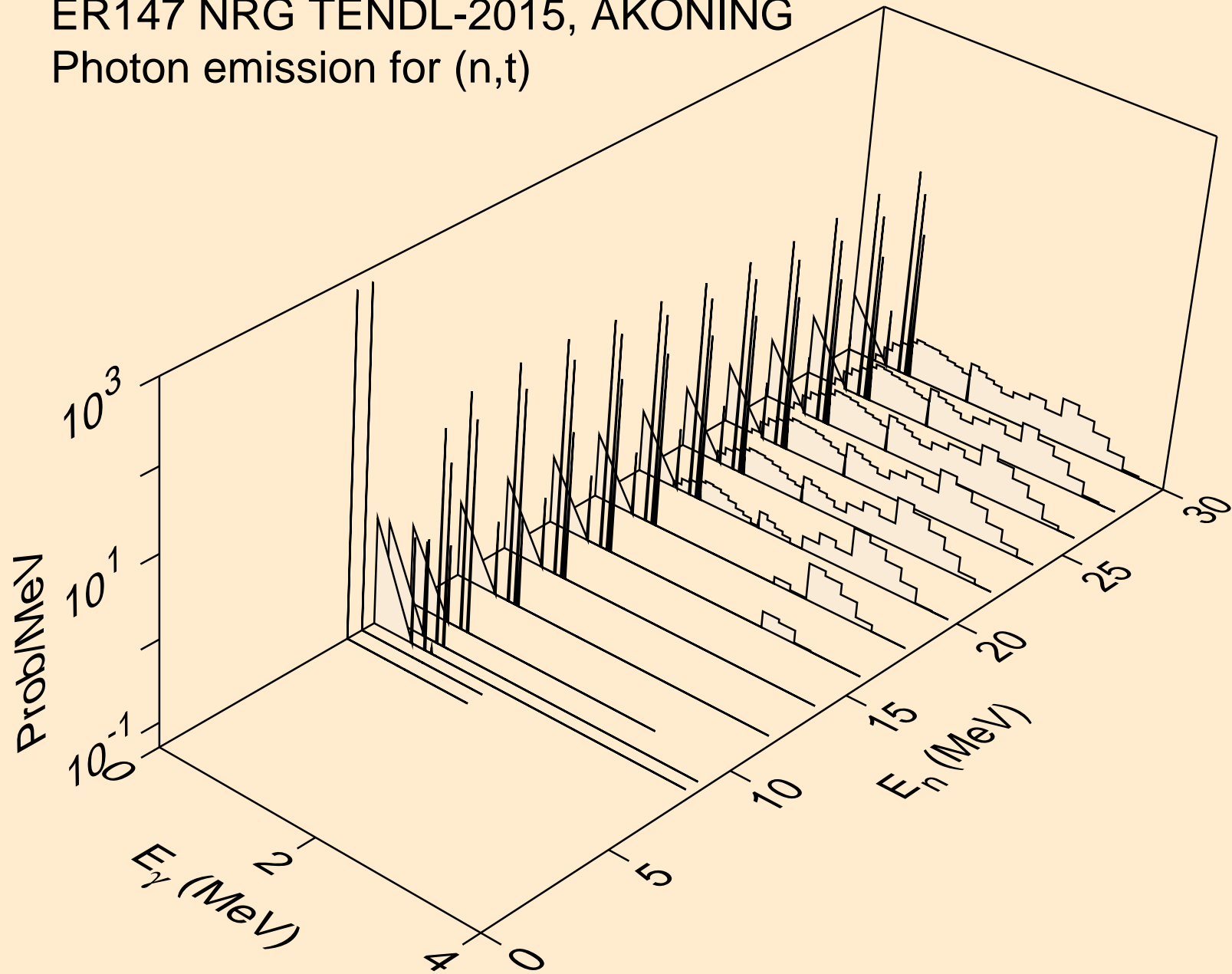
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



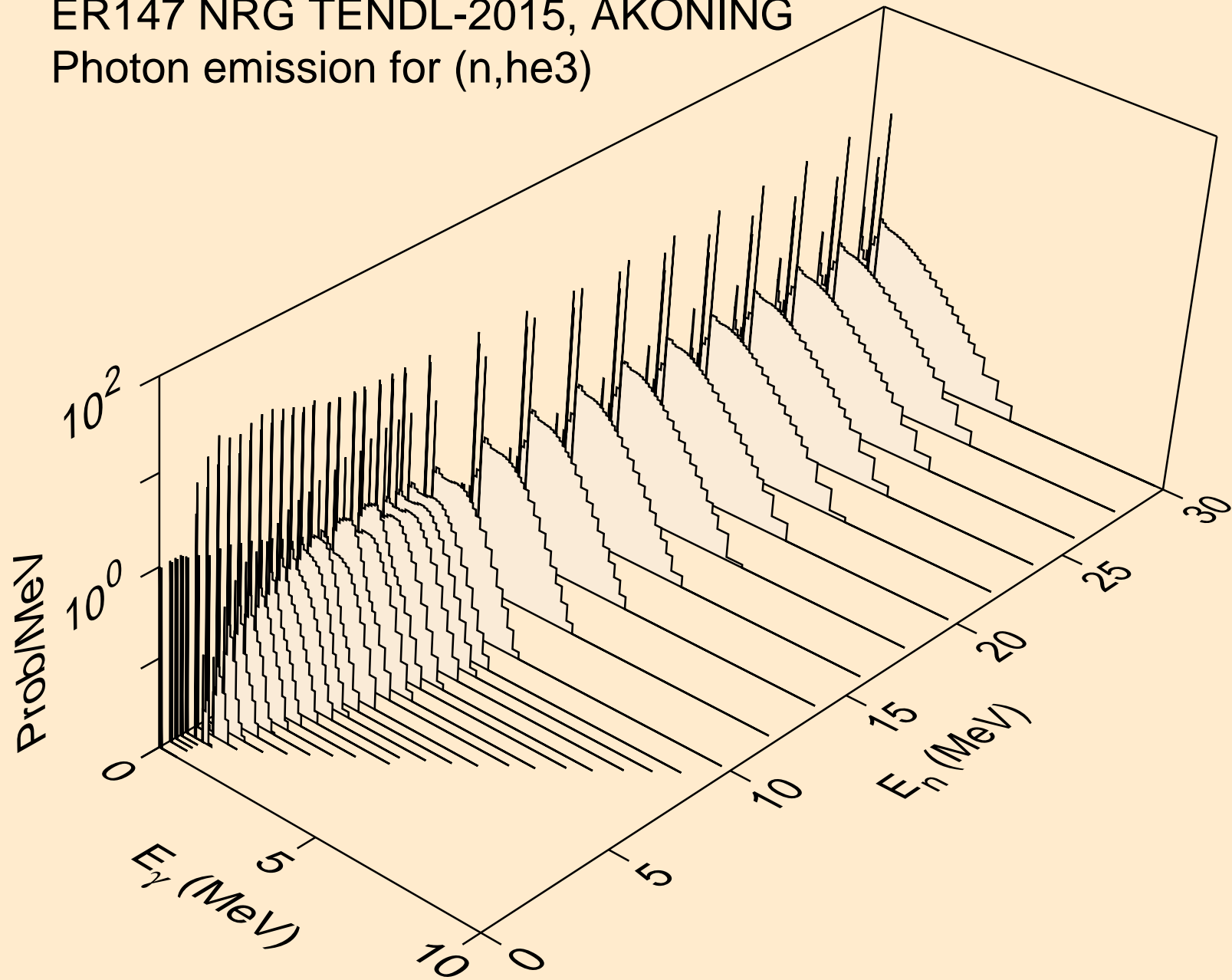
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



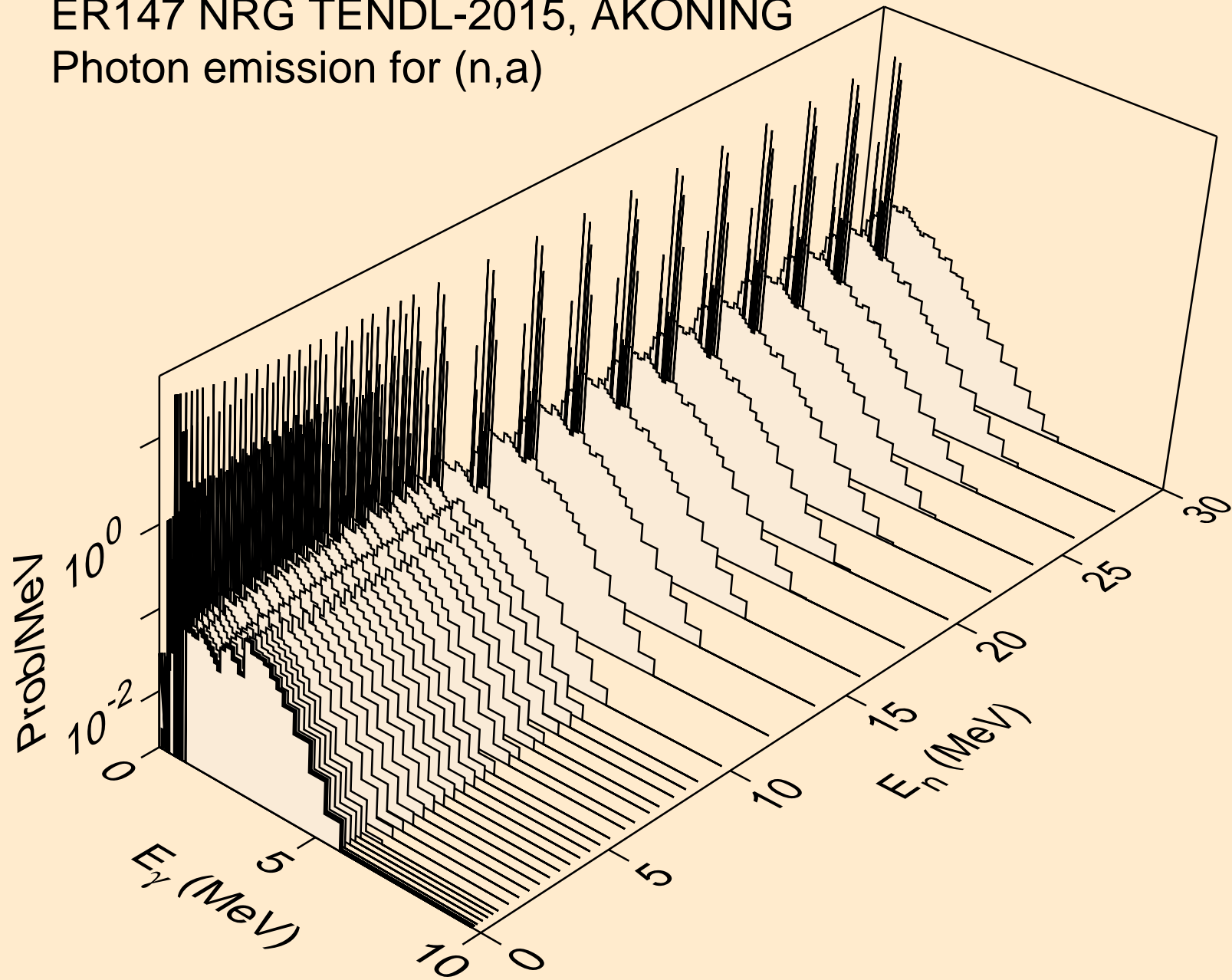
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



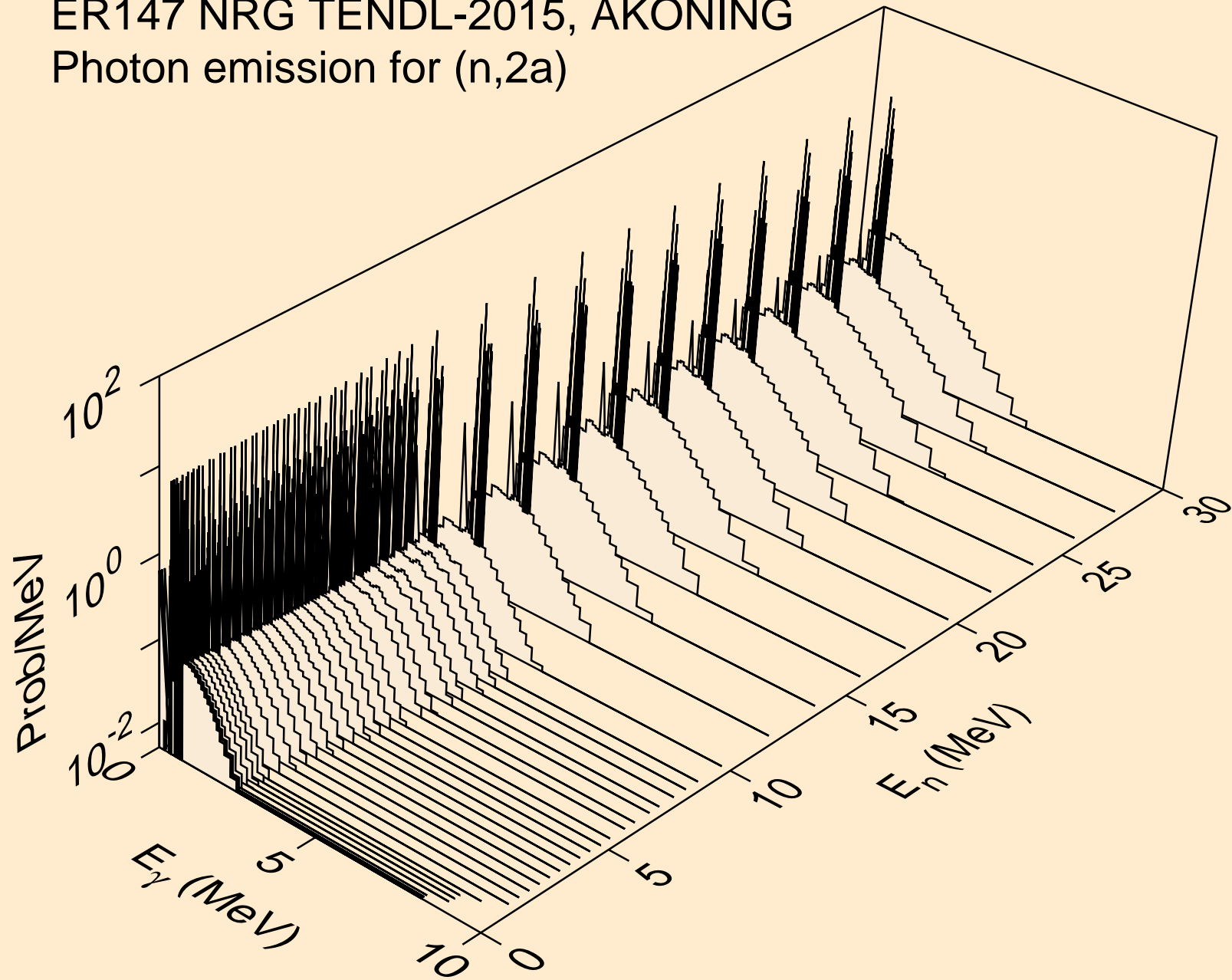
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



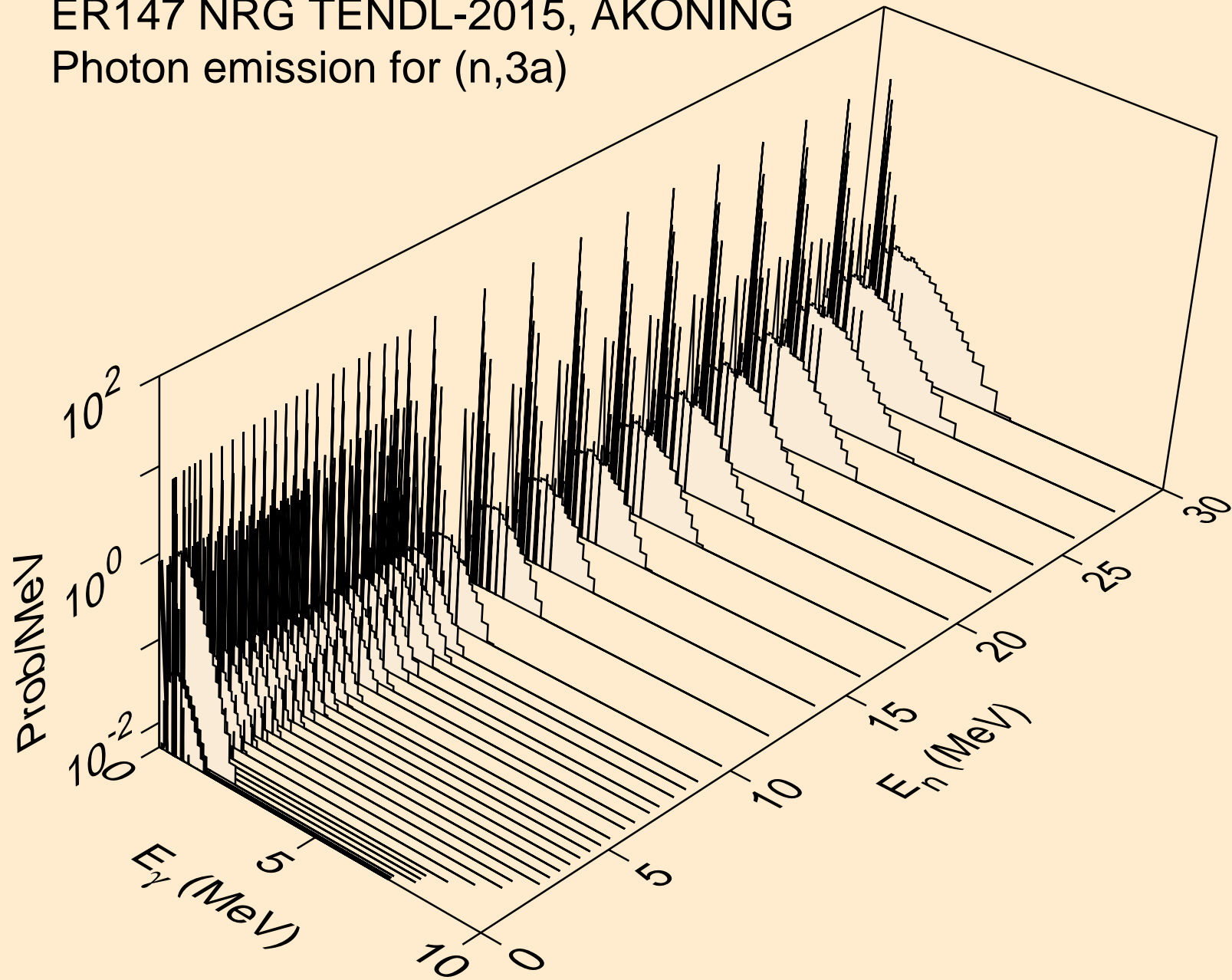
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

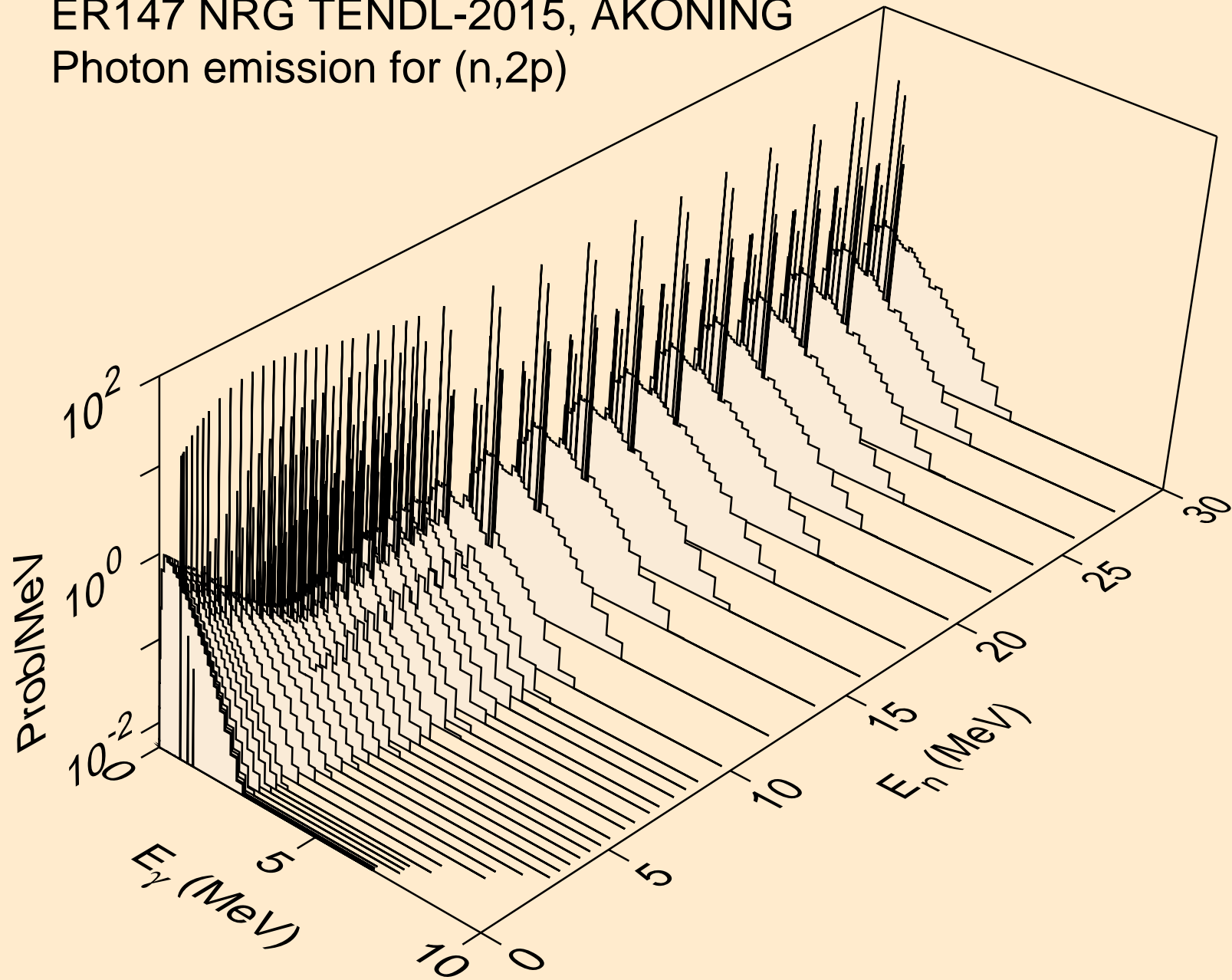


ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)

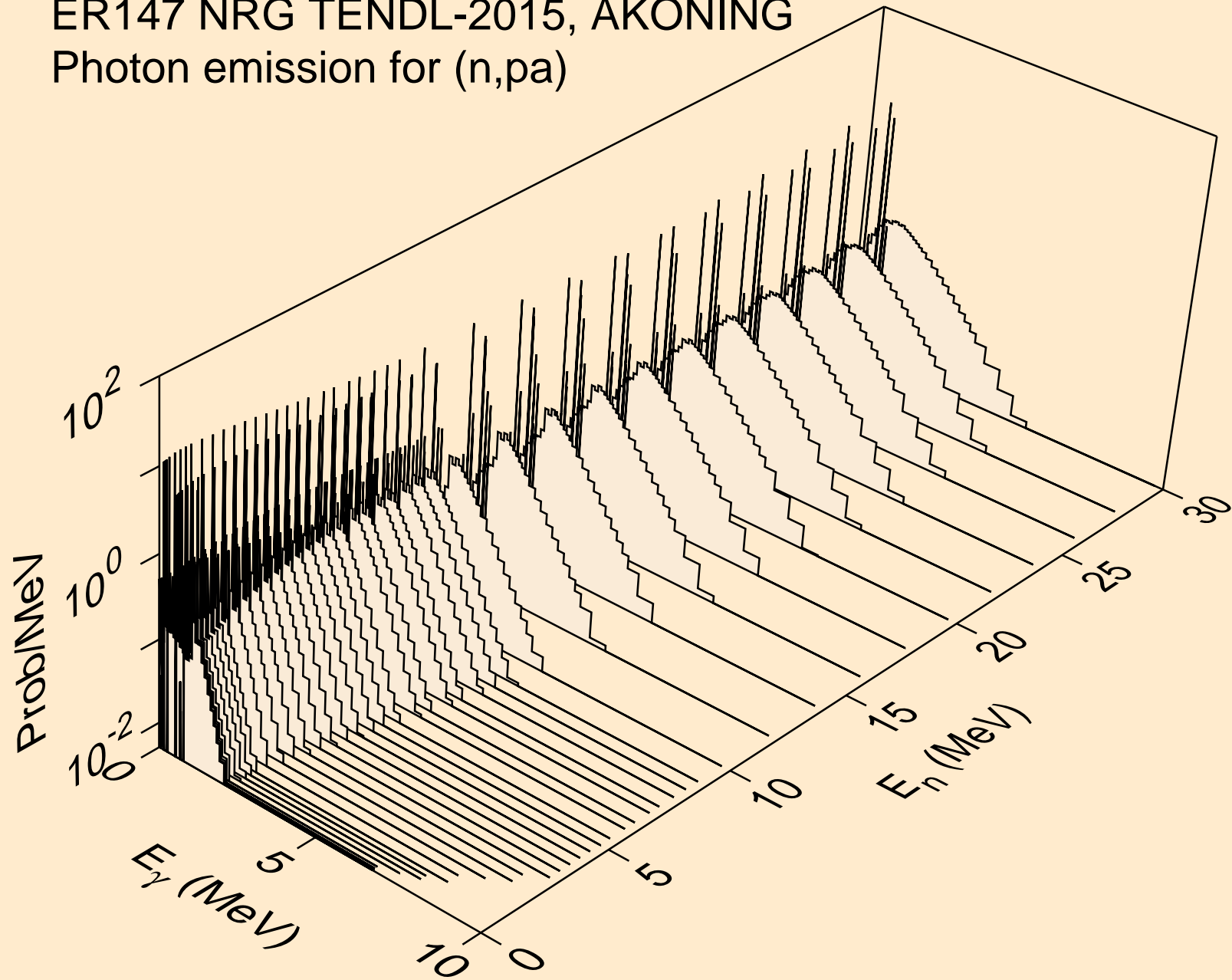




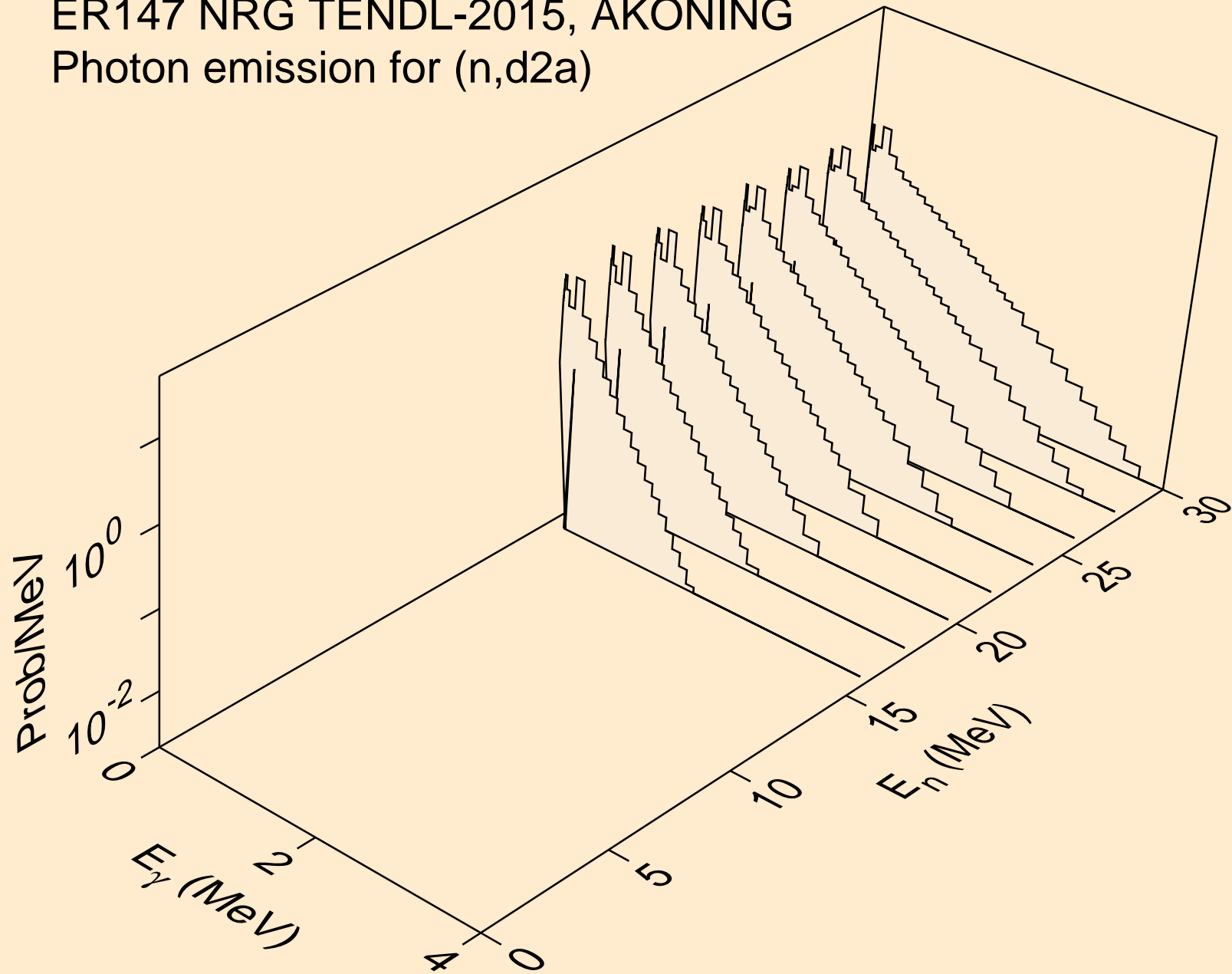
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



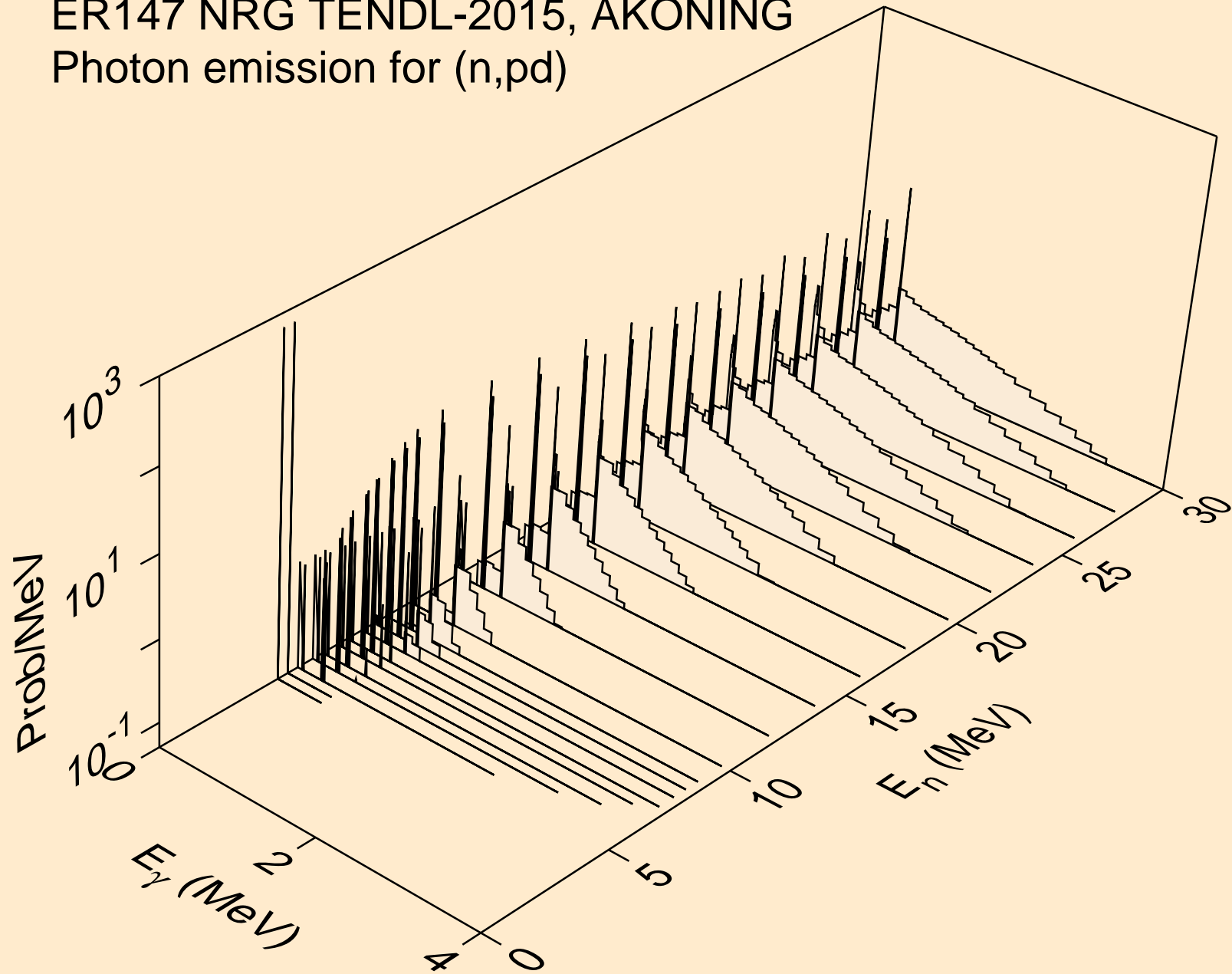
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)

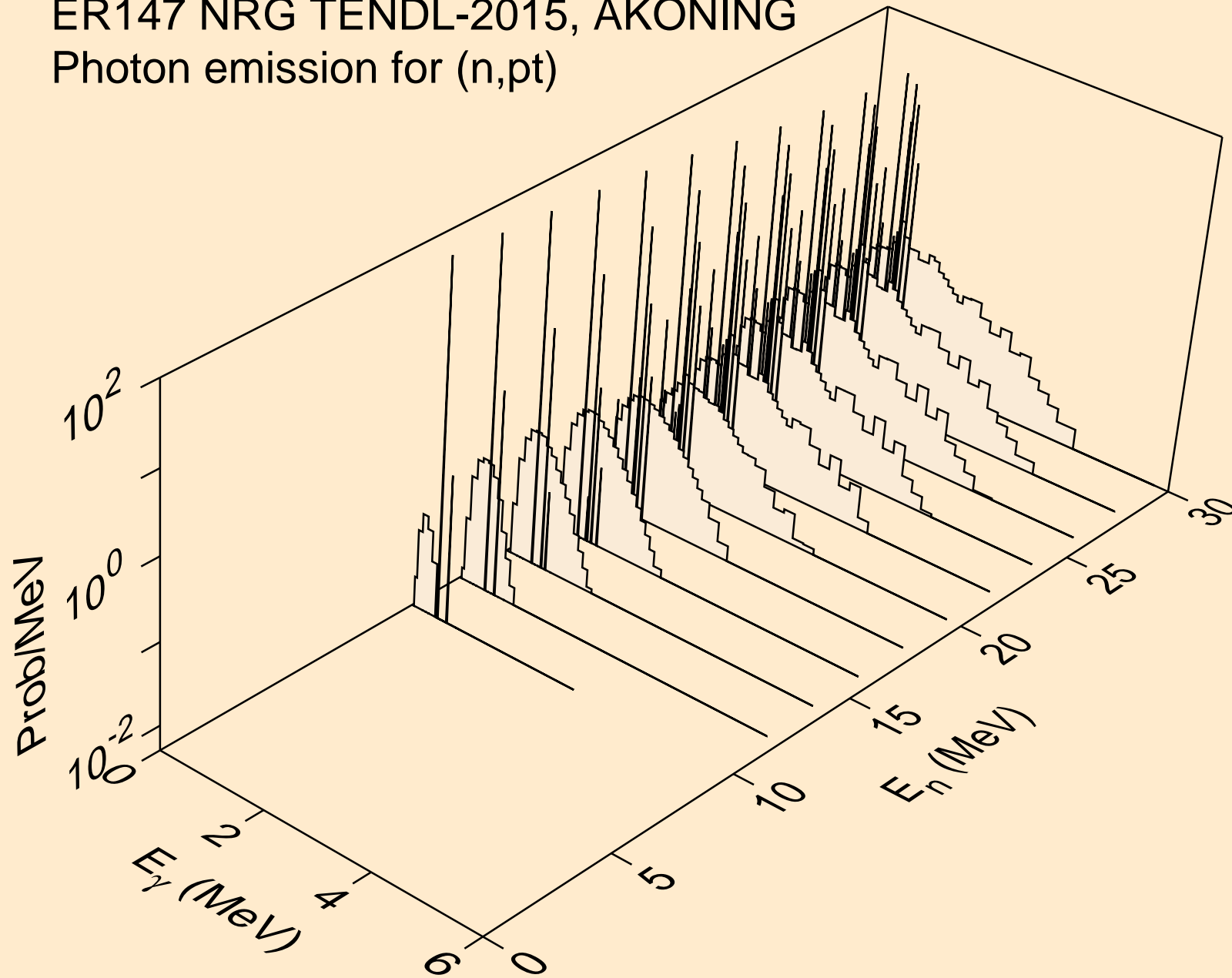


ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

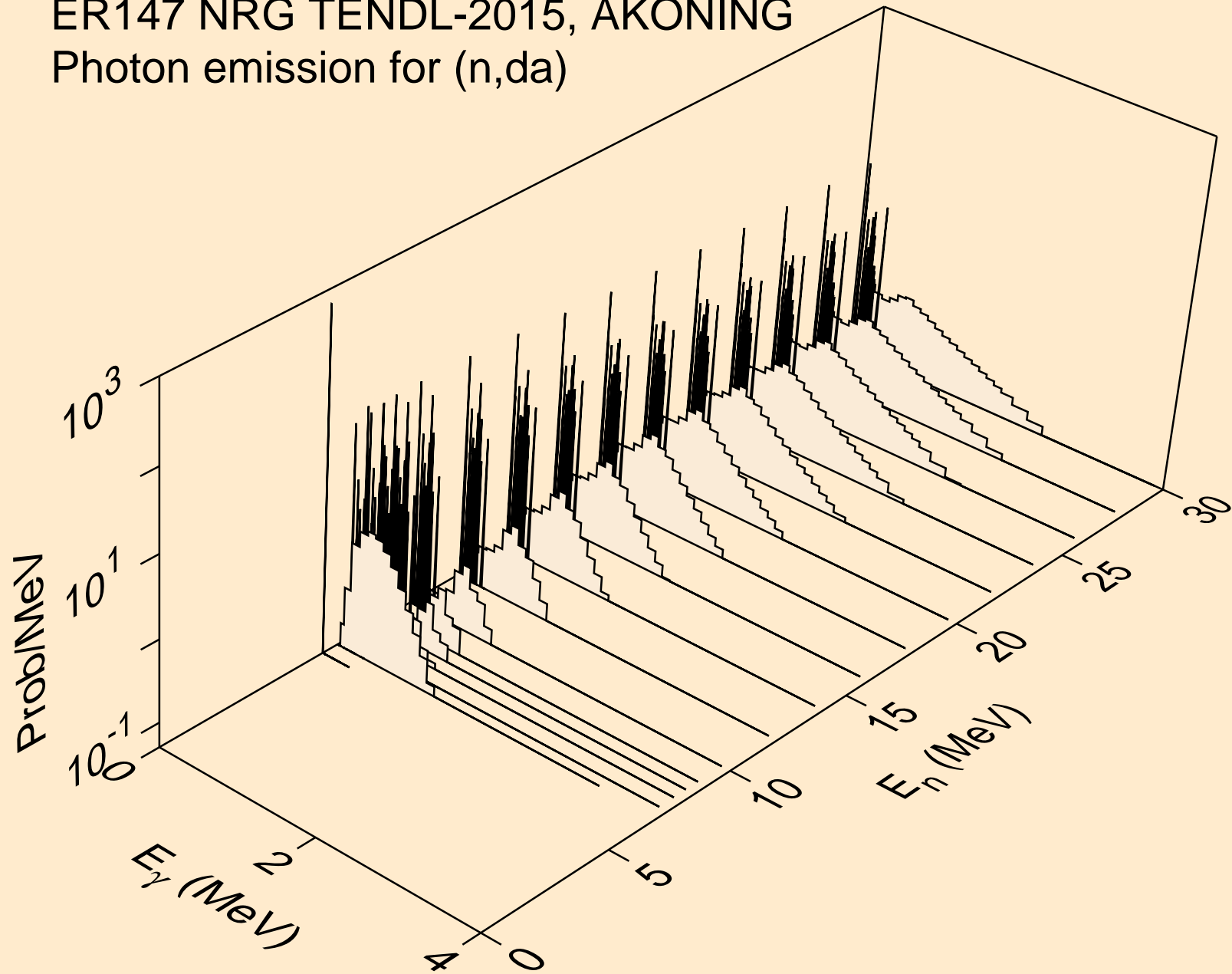


# ER147 NRG TENDL-2015, AKONING

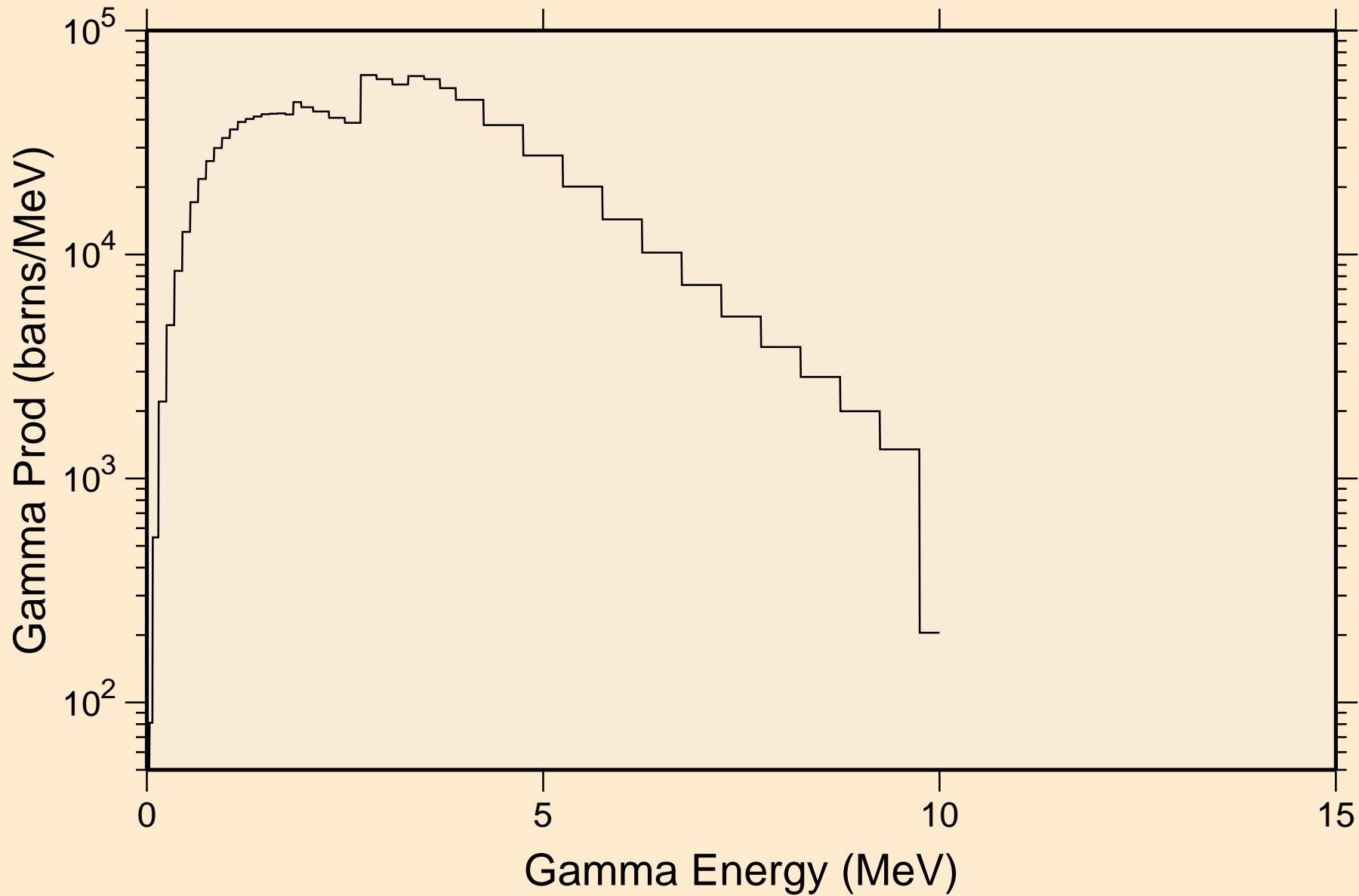
Photon emission for (n,pt)



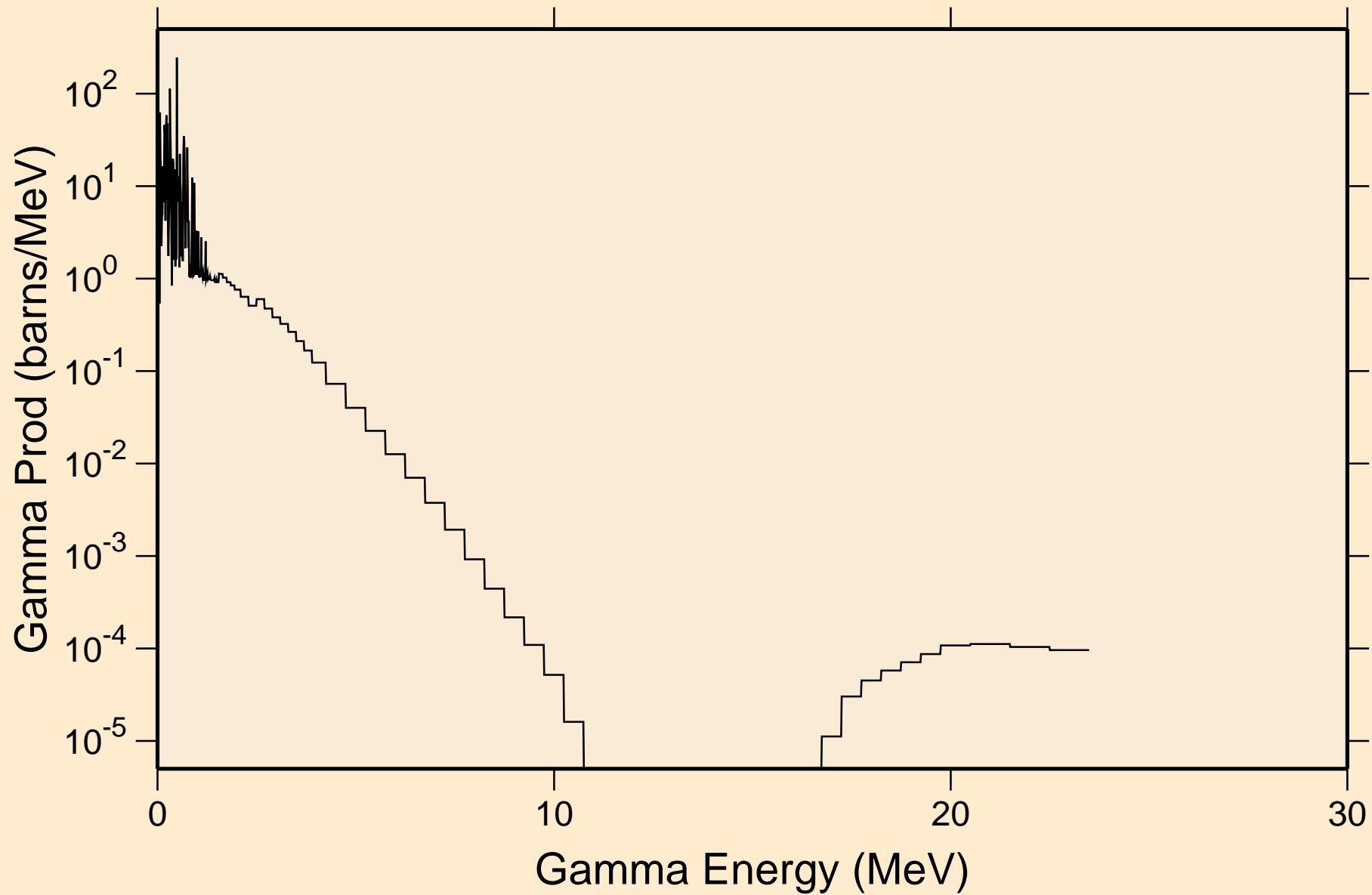
ER147 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



ER147 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



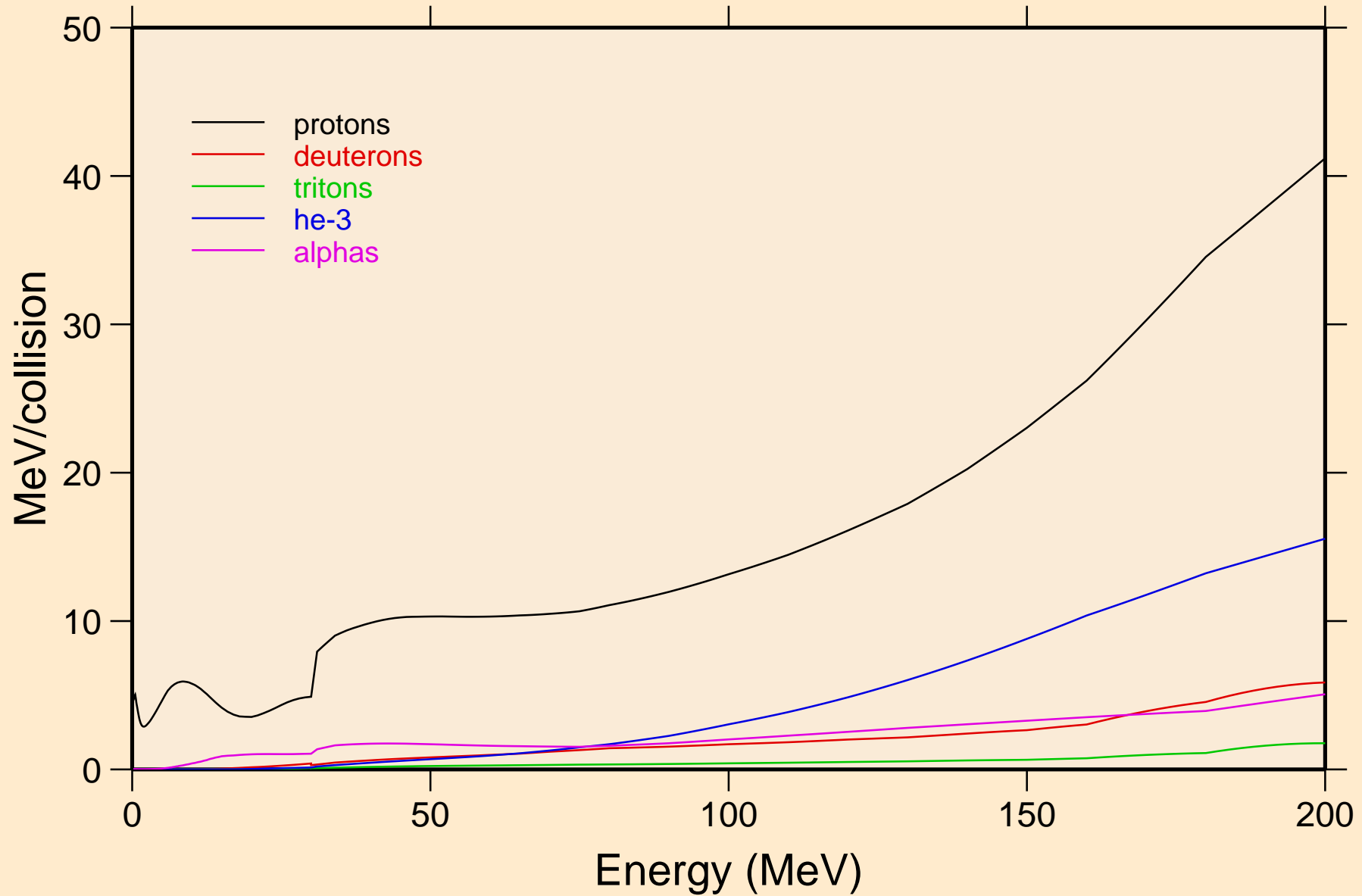
ER147 NRG TENDL-2015, AKONING  
14 MeV photon spectrum





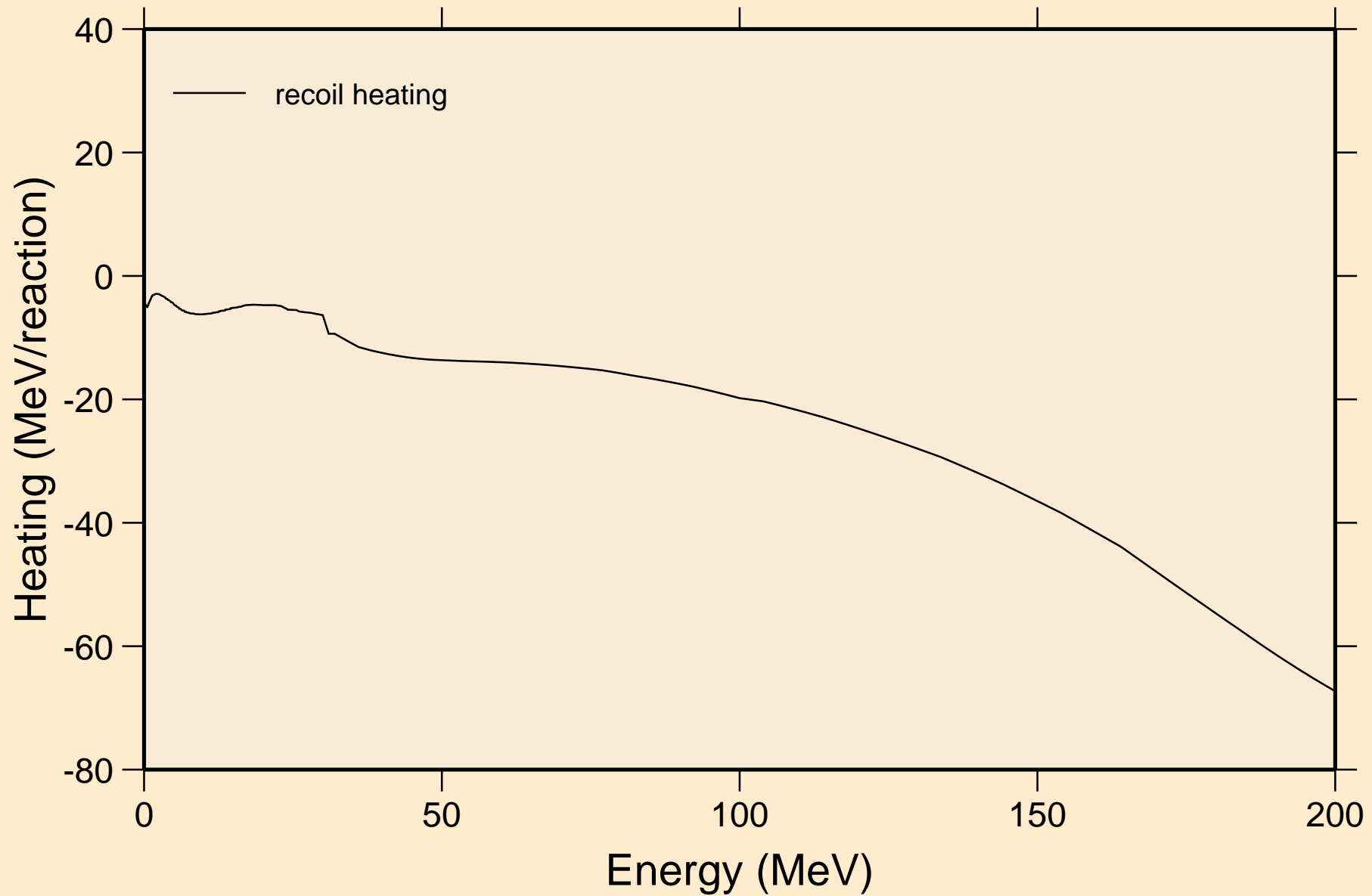
# ER147 NRG TENDL-2015, AKONING

## Particle heating contributions



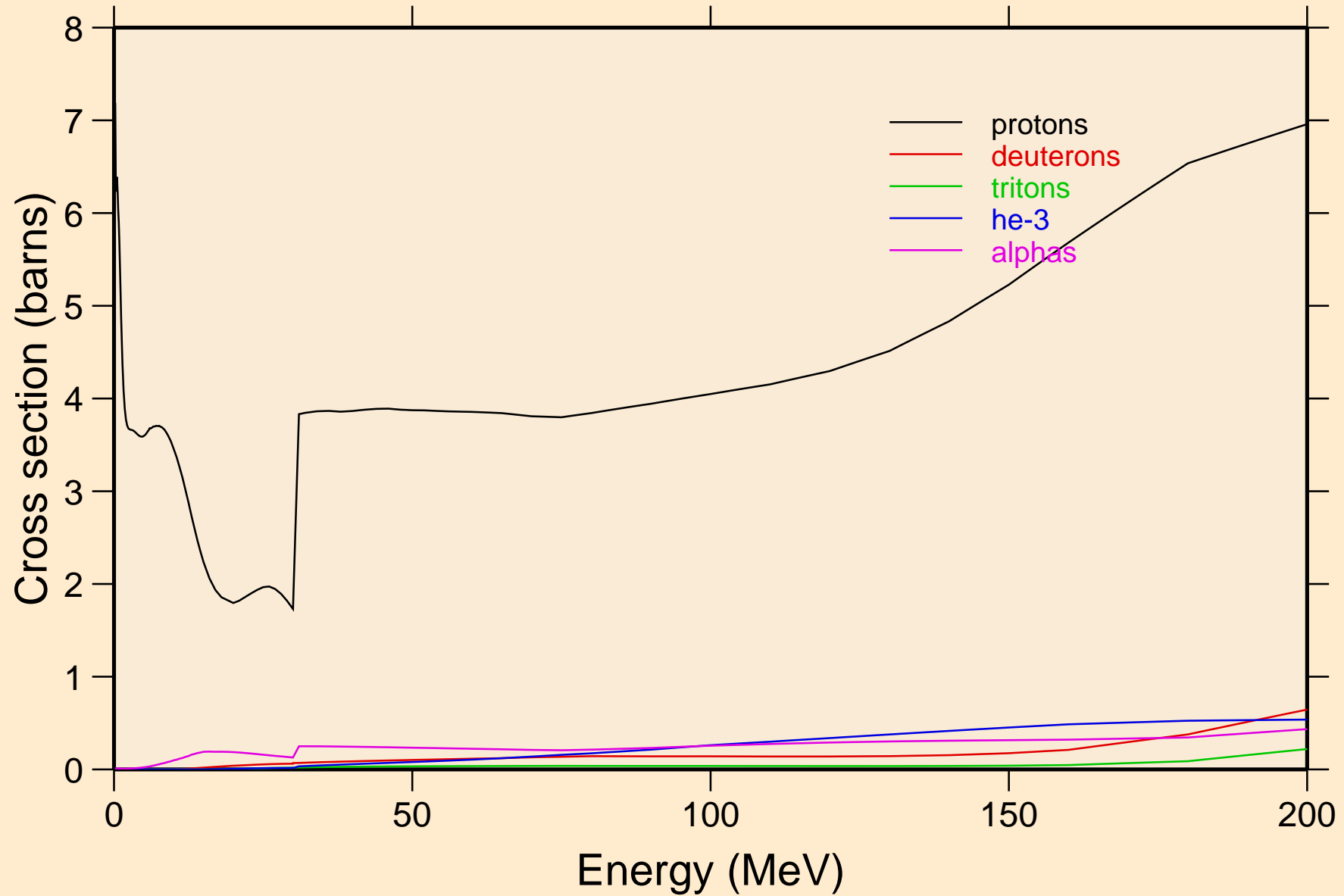
# ER147 NRG TENDL-2015, AKONING

## Recoil Heating

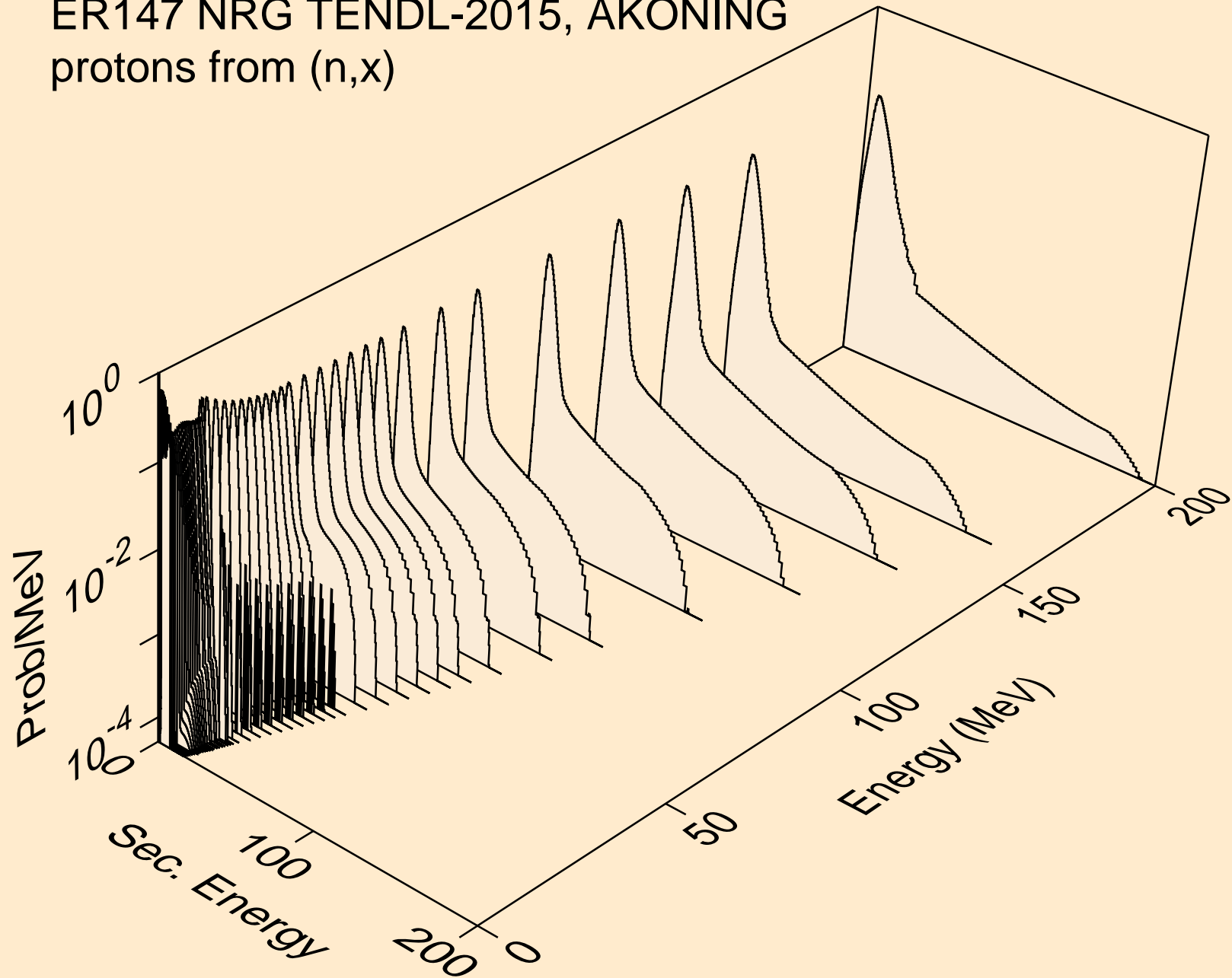


# ER147 NRG TENDL-2015, AKONING

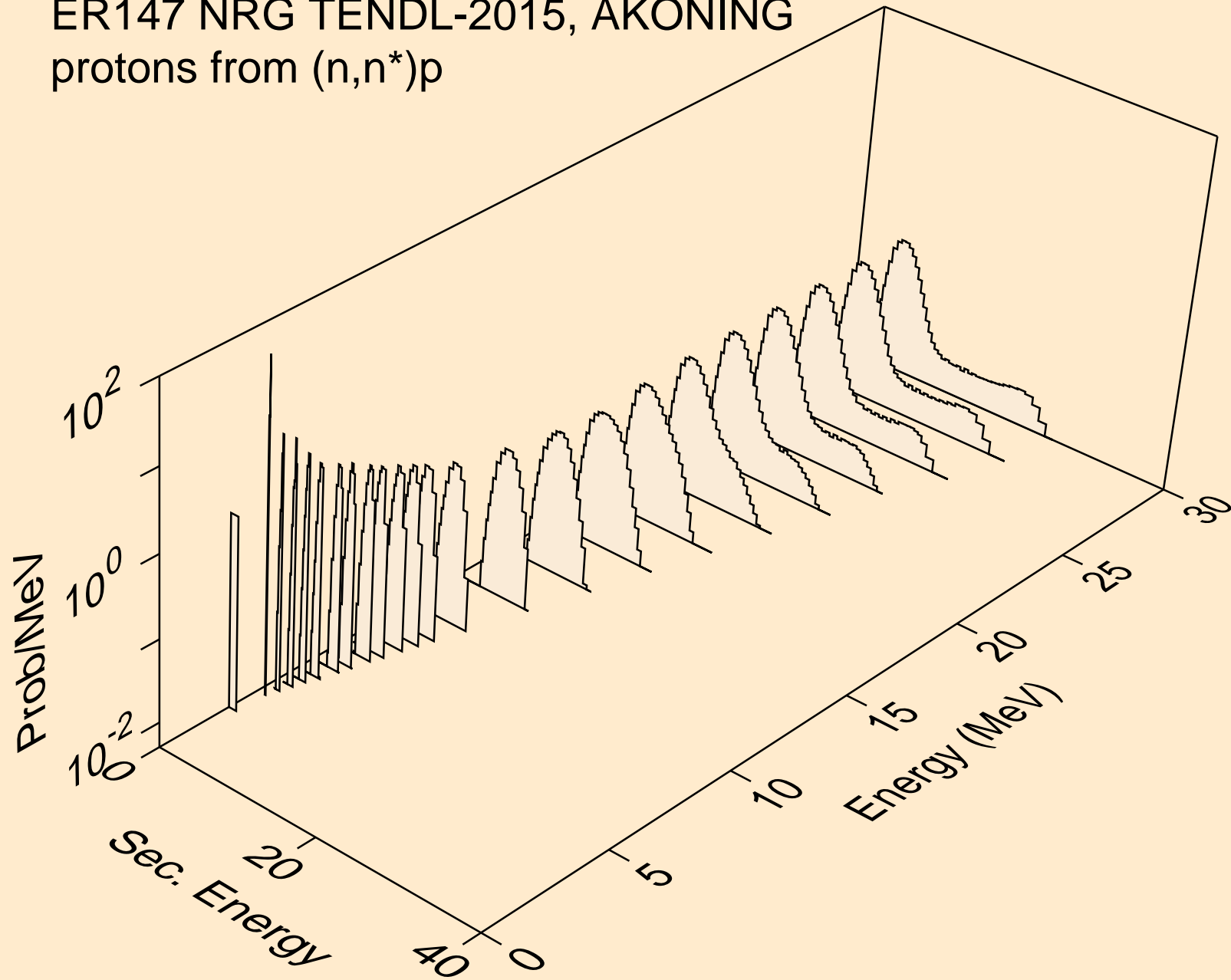
## Particle production cross sections



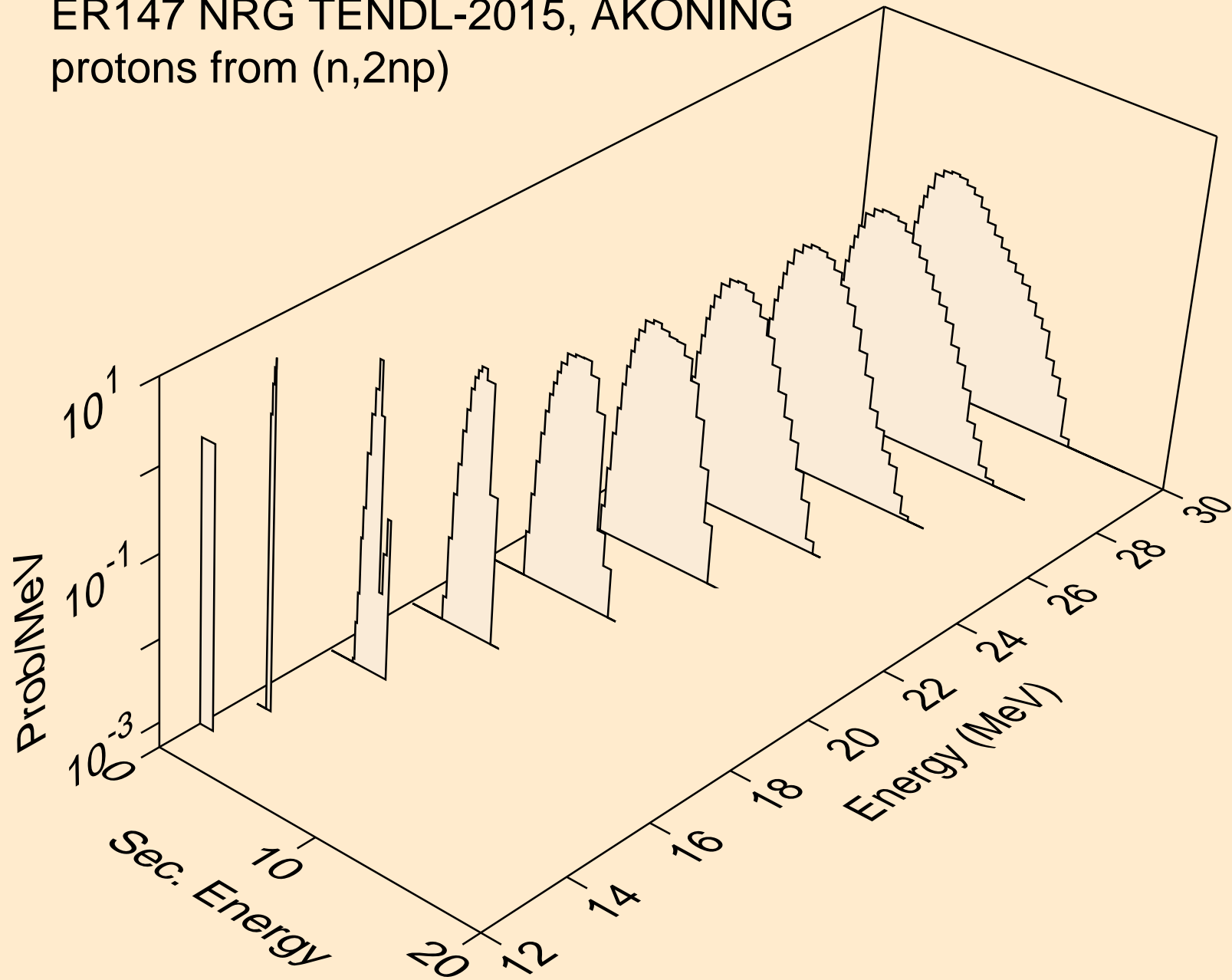
ER147 NRG TENDL-2015, AKONING  
protons from (n,x)



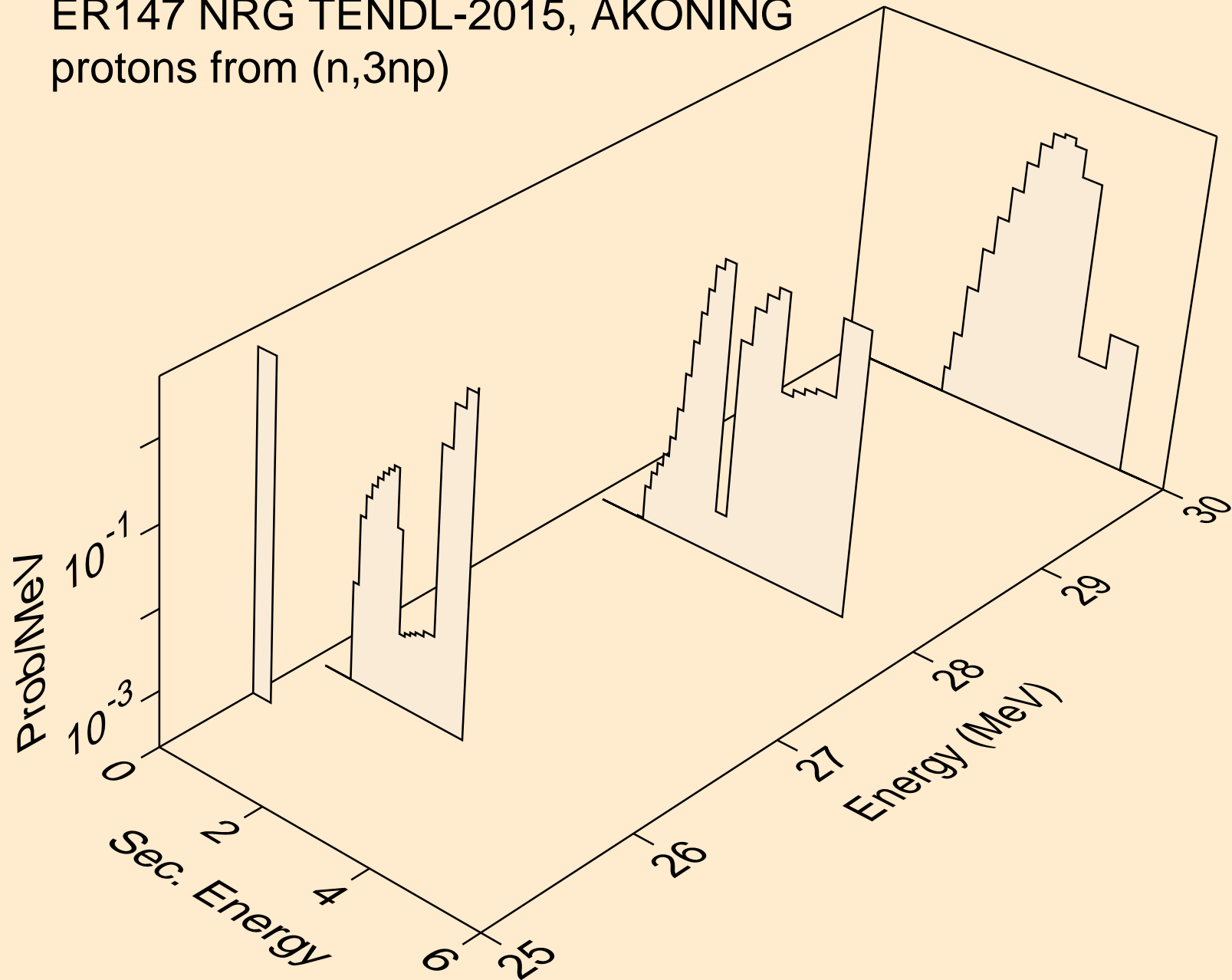
ER147 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



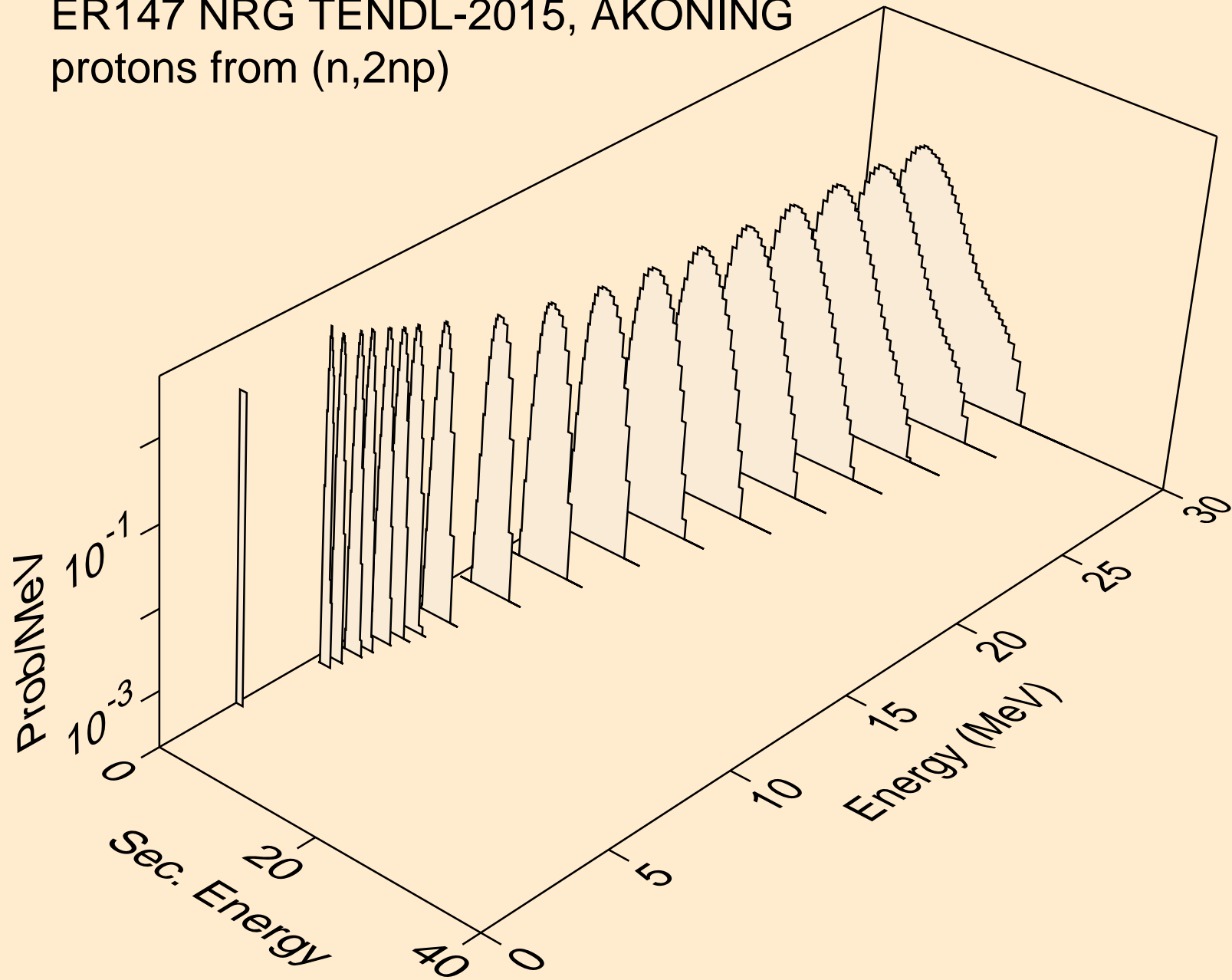
ER147 NRG TENDL-2015, AKONING  
protons from (n,2np)



ER147 NRG TENDL-2015, AKONING  
protons from (n,3np)

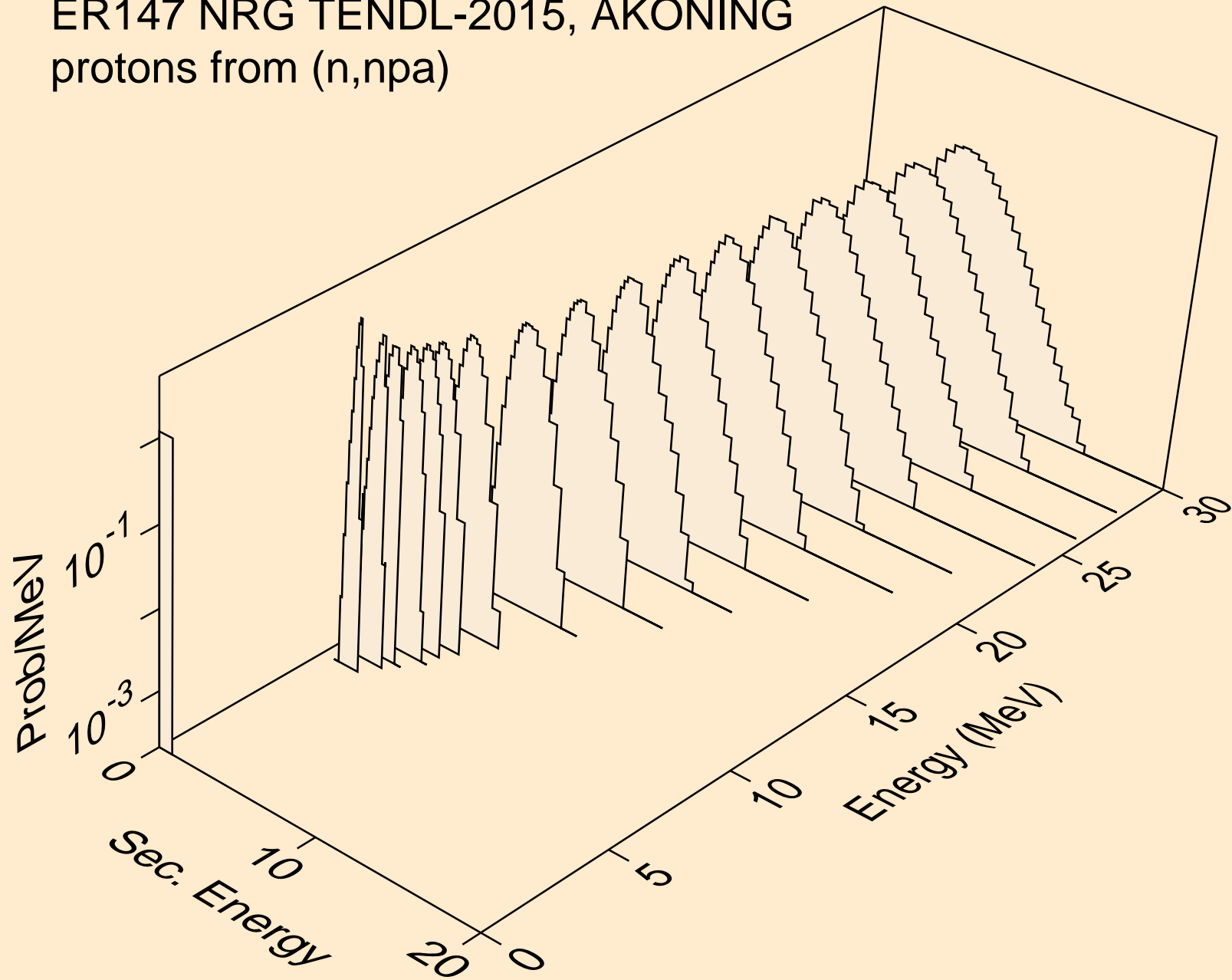


ER147 NRG TENDL-2015, AKONING  
protons from (n,2np)

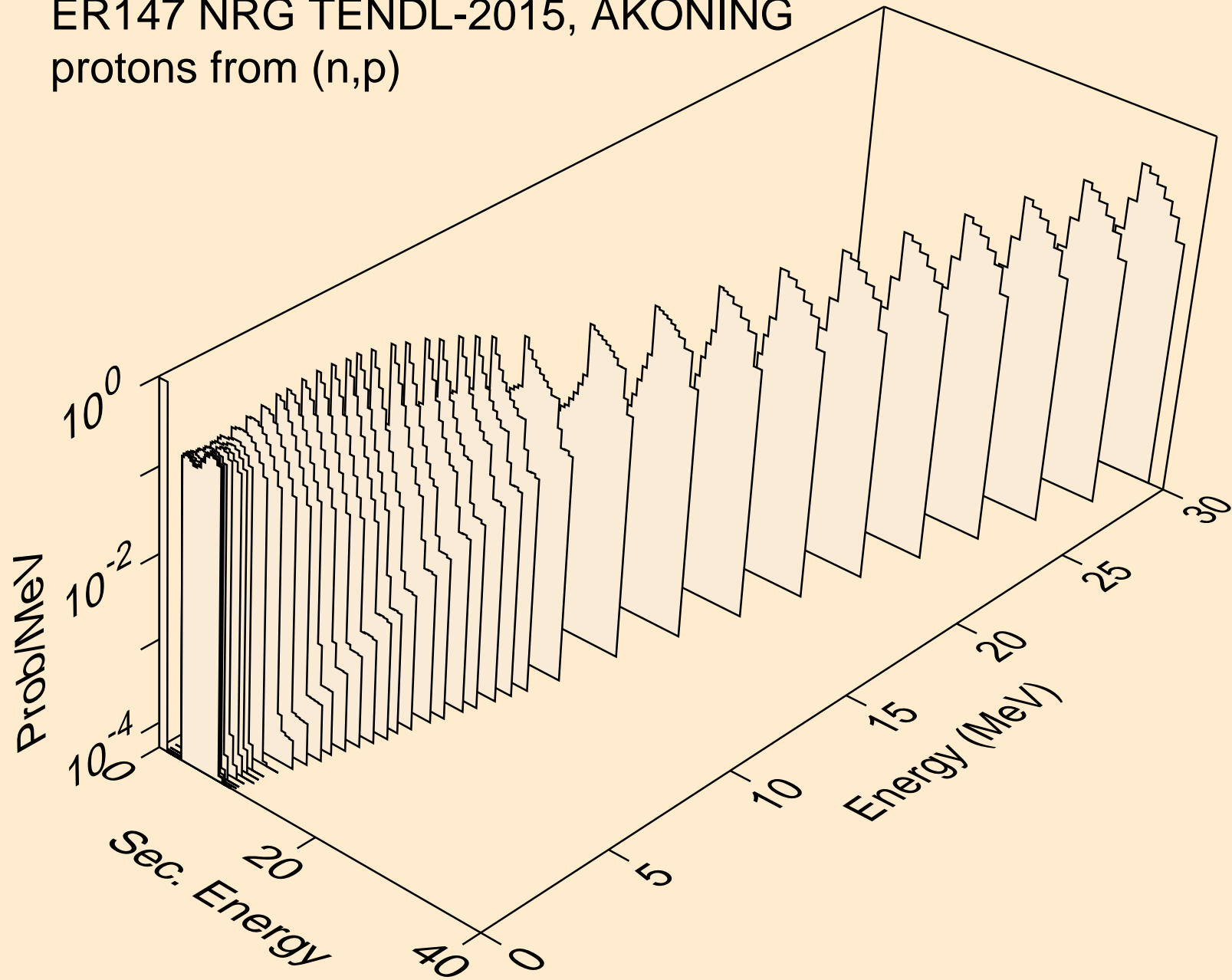




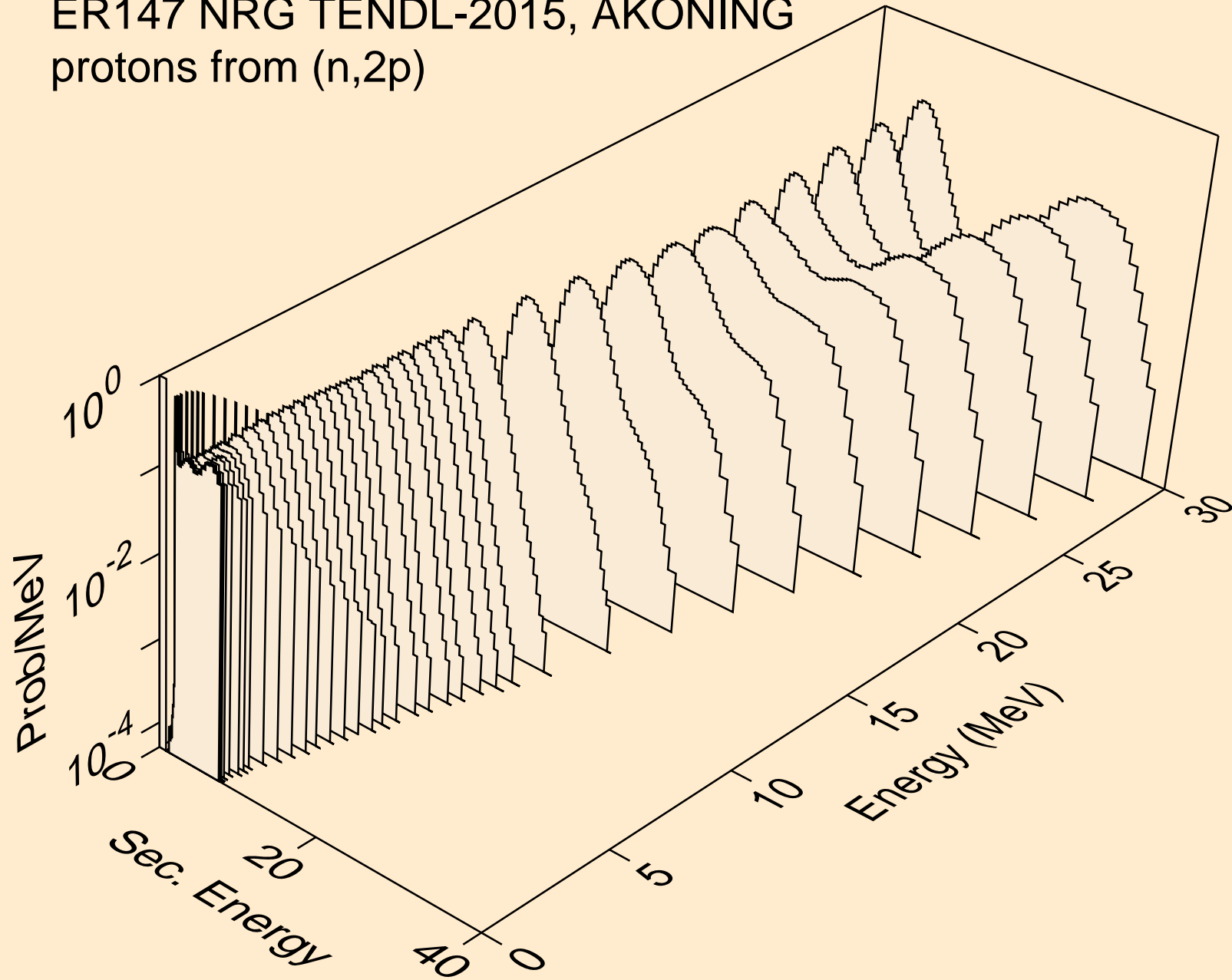
ER147 NRG TENDL-2015, AKONING  
protons from (n,npa)



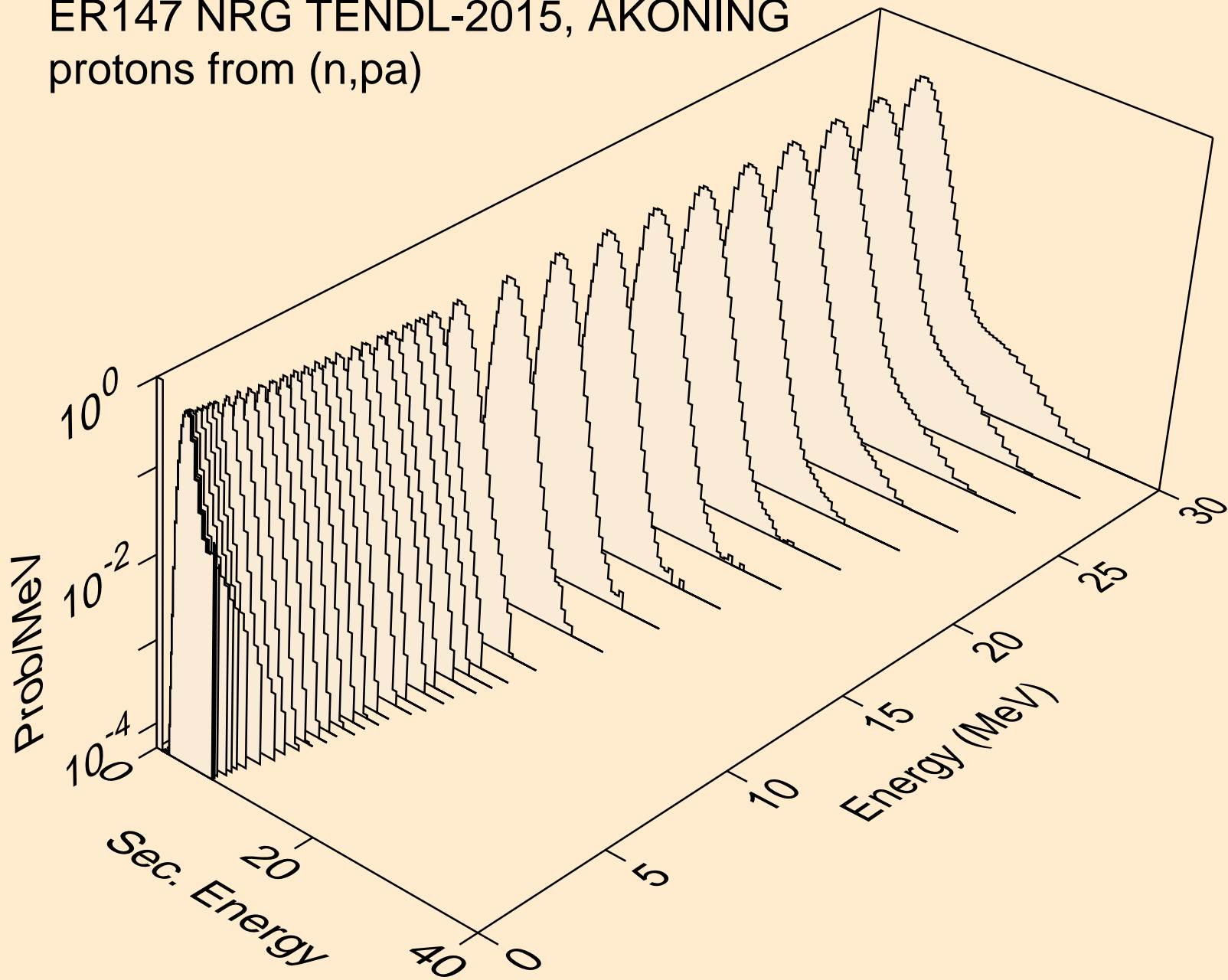
ER147 NRG TENDL-2015, AKONING  
protons from (n,p)



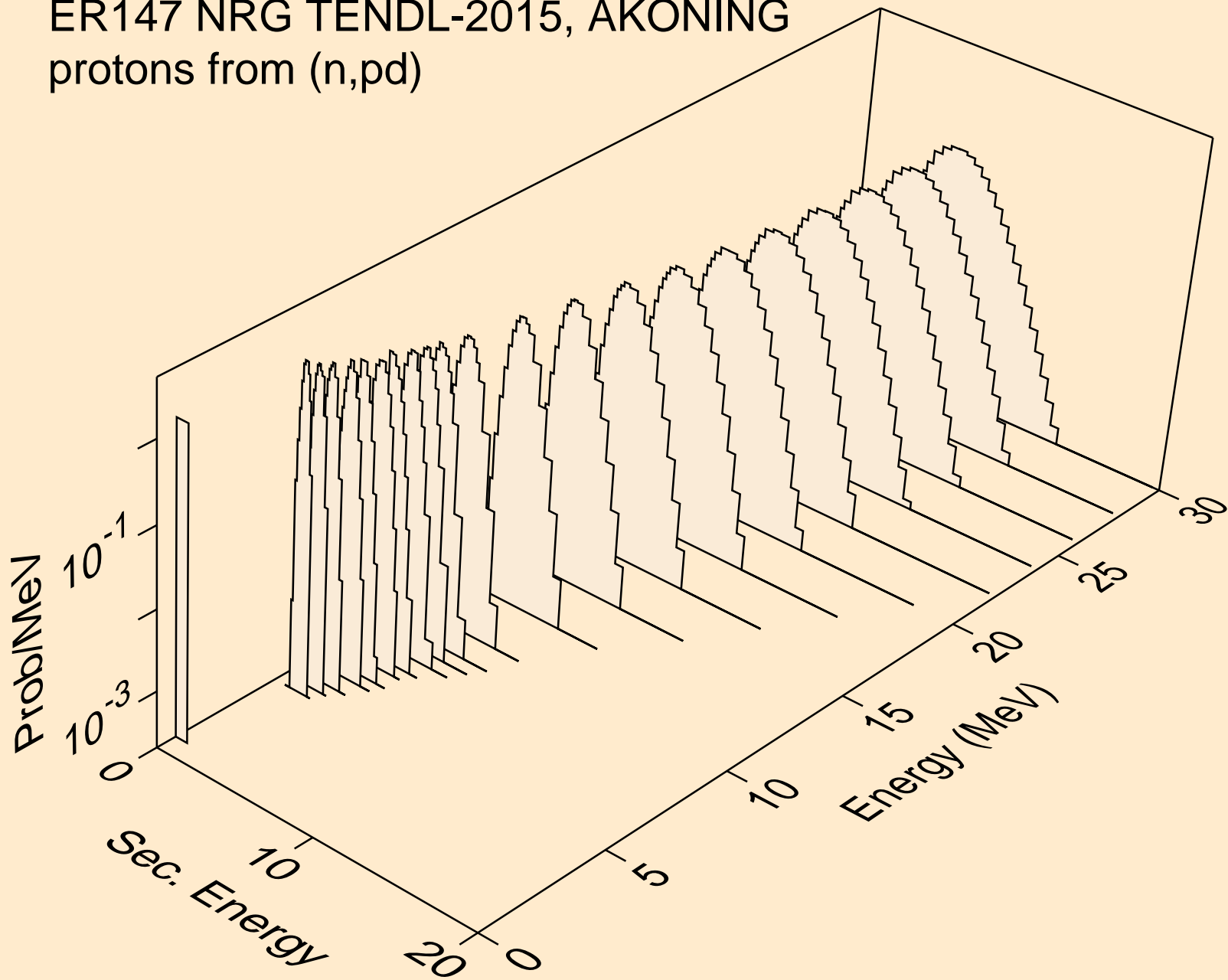
ER147 NRG TENDL-2015, AKONING  
protons from (n,2p)



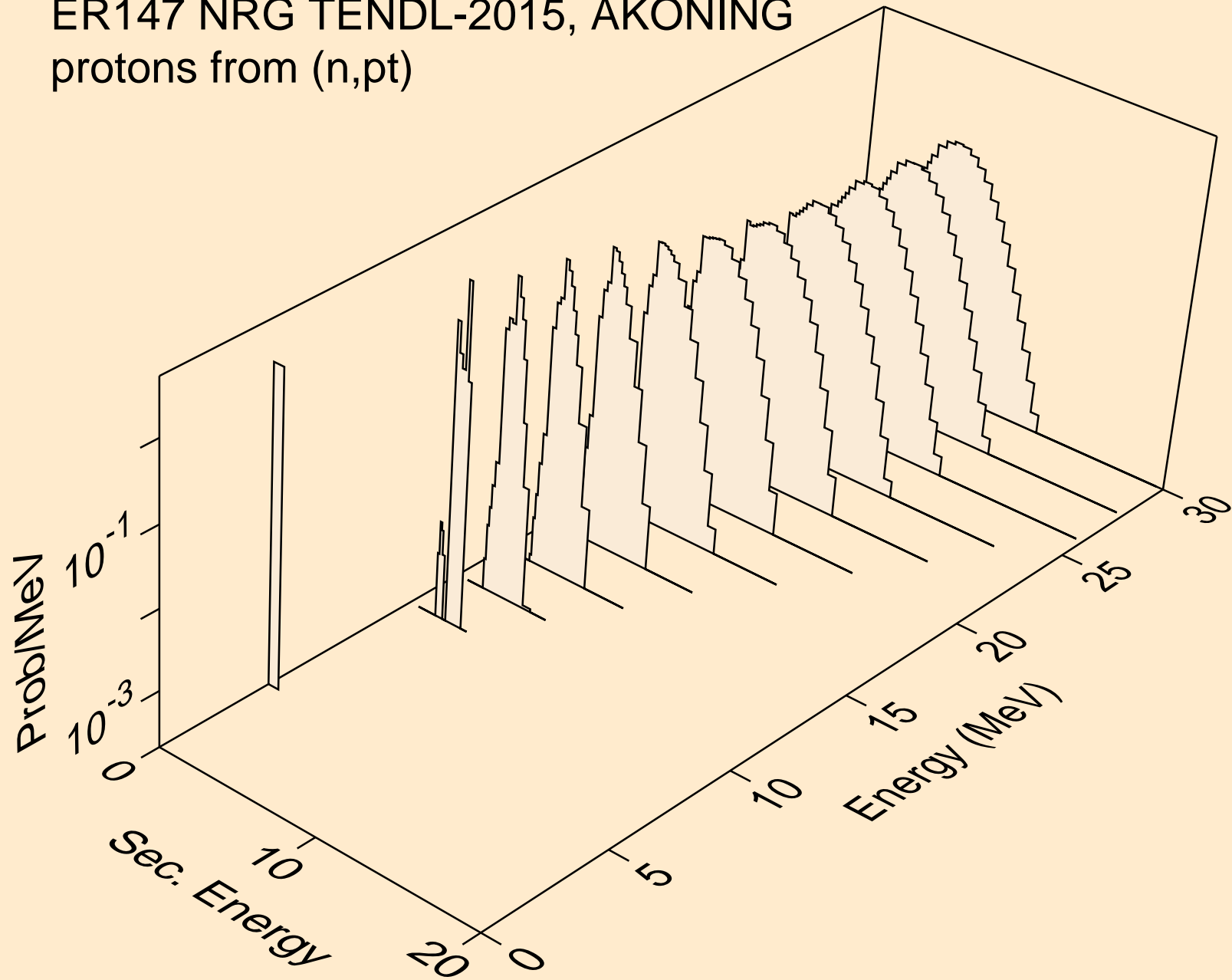
ER147 NRG TENDL-2015, AKONING  
protons from (n,pa)



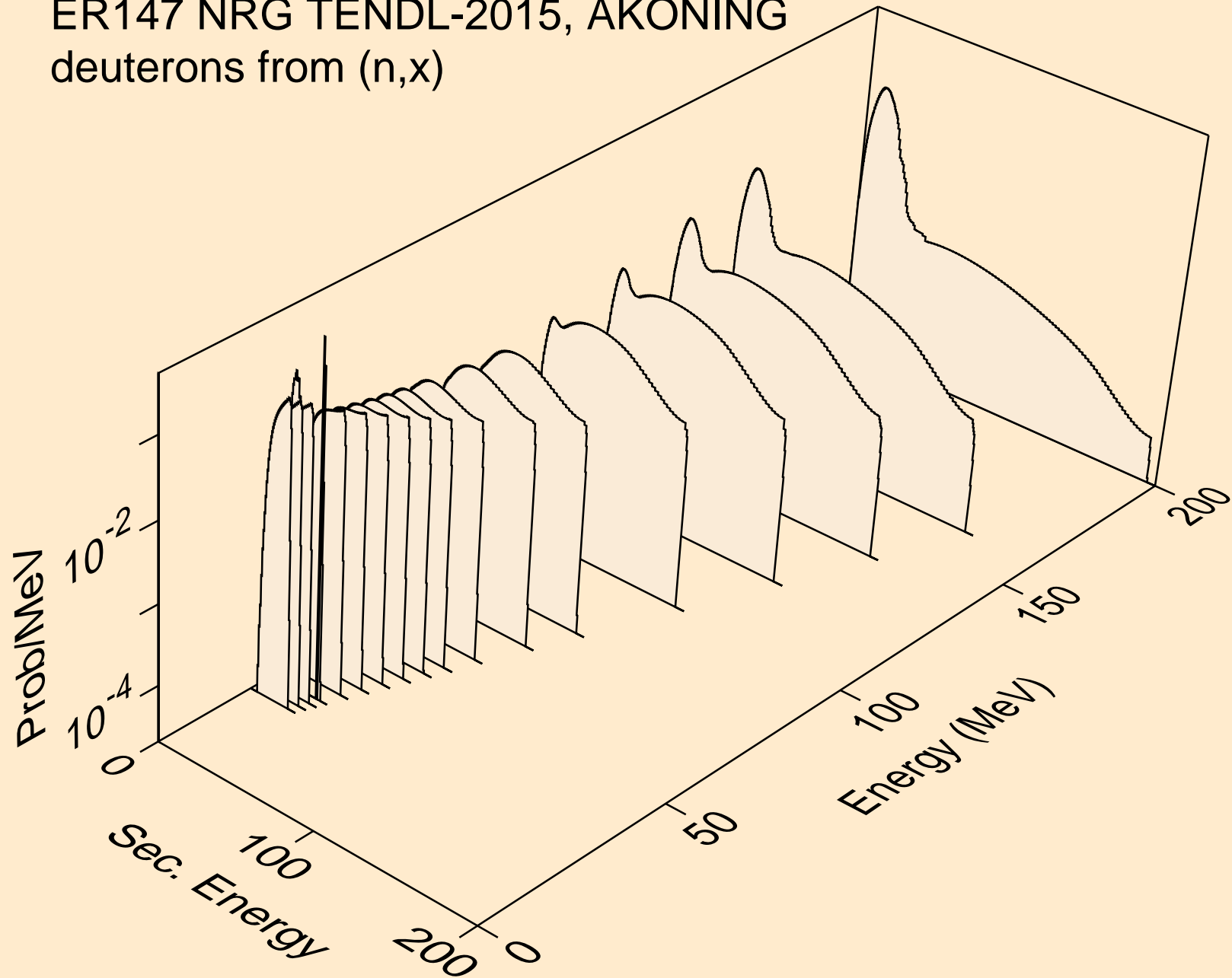
ER147 NRG TENDL-2015, AKONING  
protons from (n,pd)



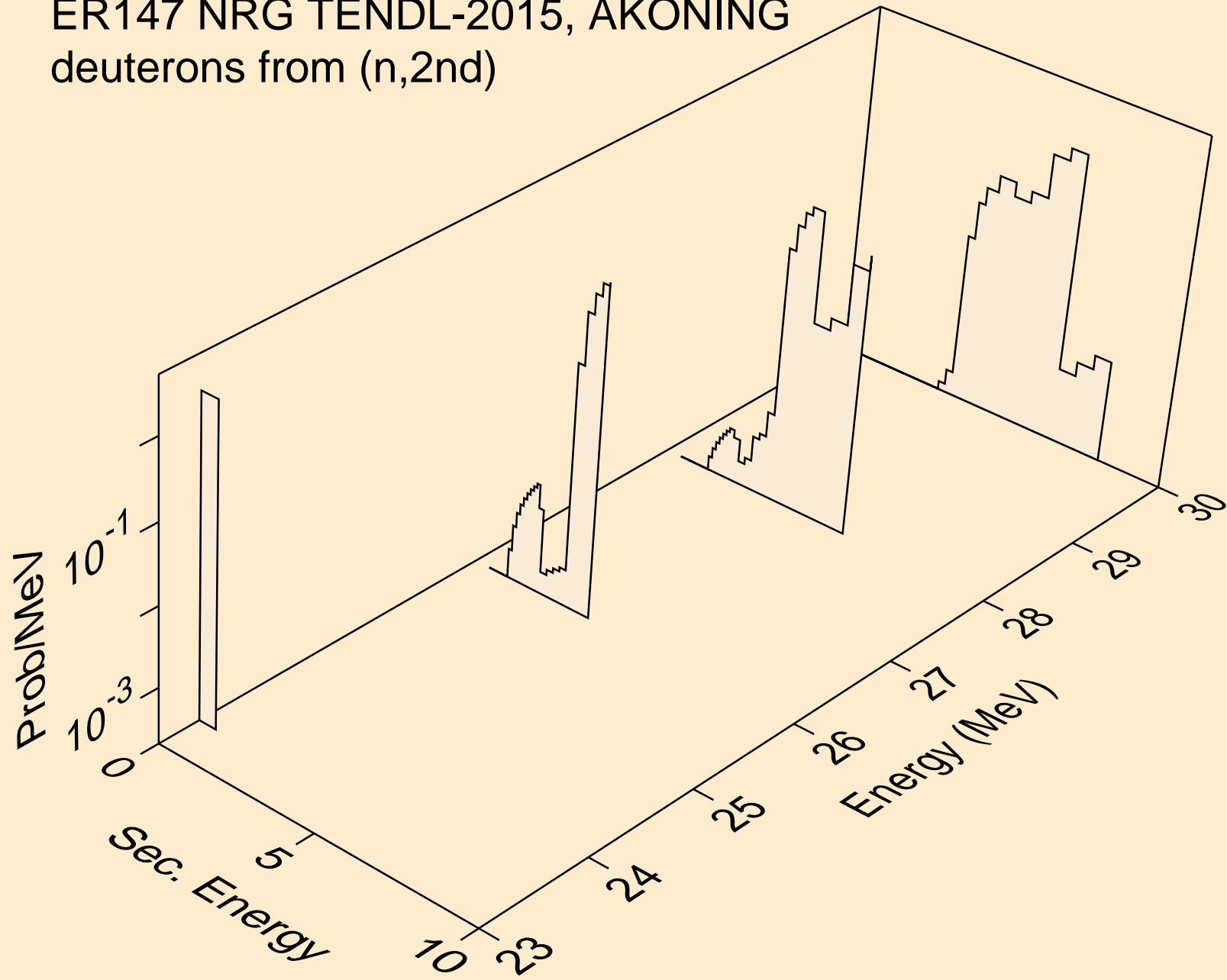
ER147 NRG TENDL-2015, AKONING  
protons from (n,pt)



ER147 NRG TENDL-2015, AKONING  
deuterons from (n,x)

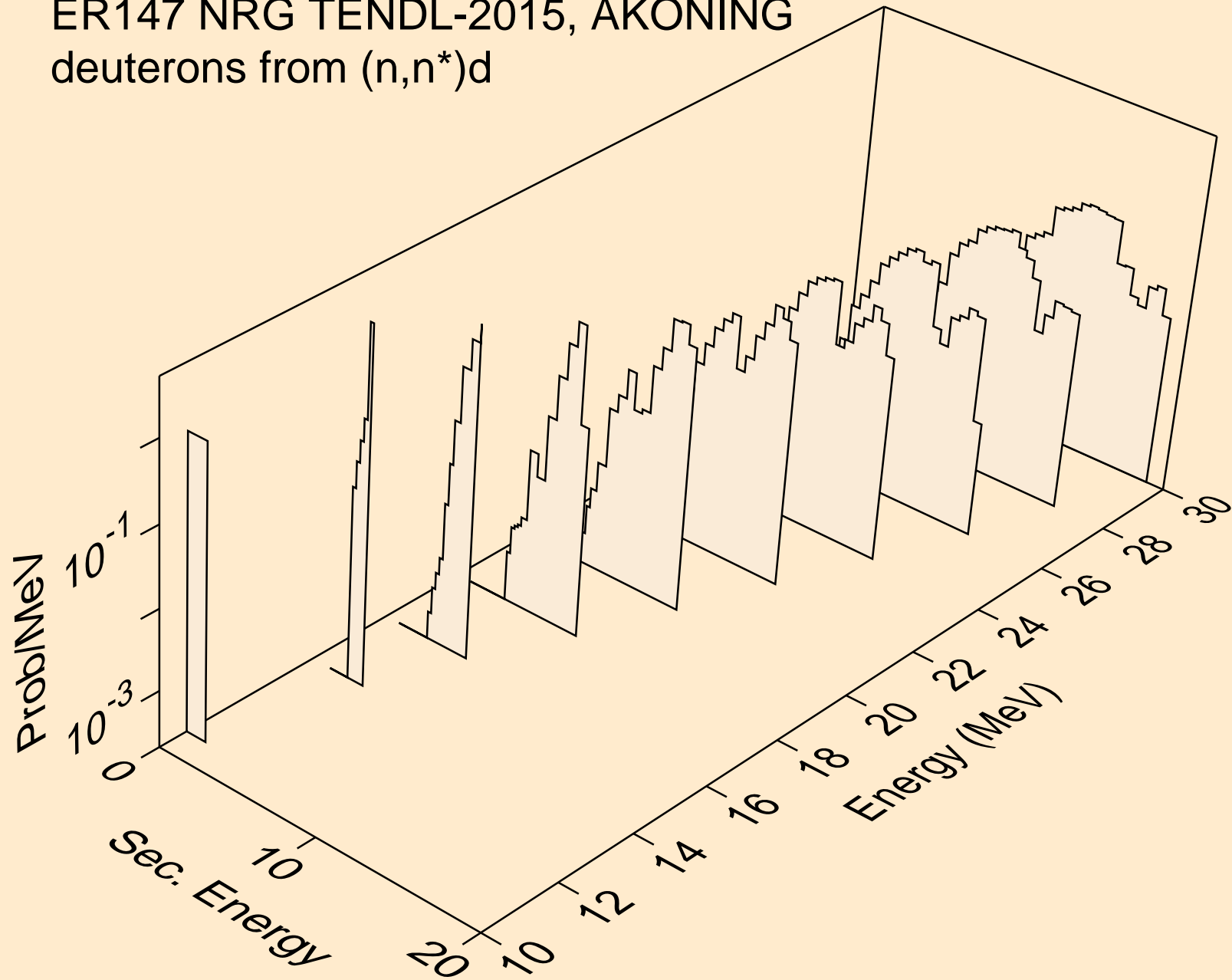


ER147 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

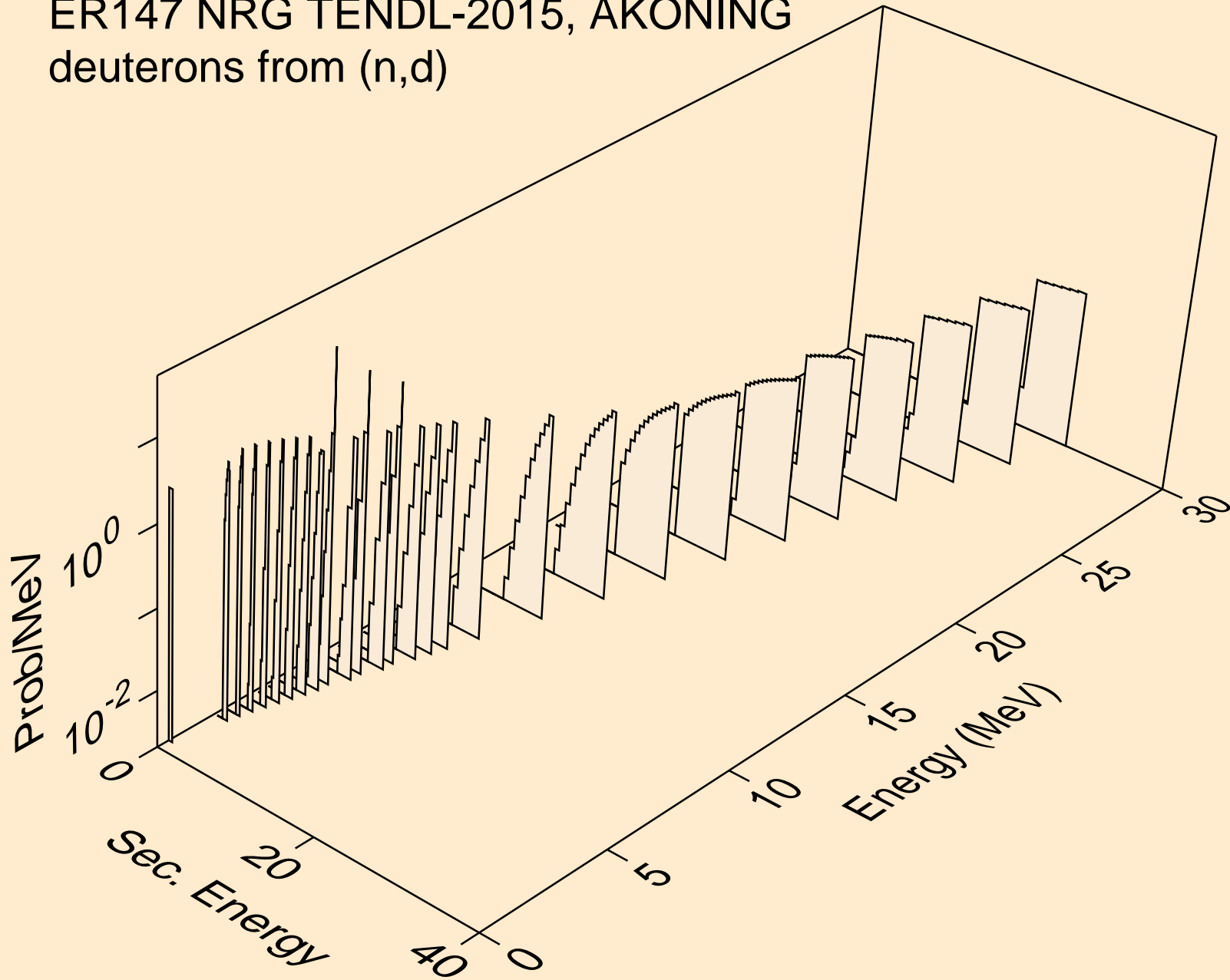




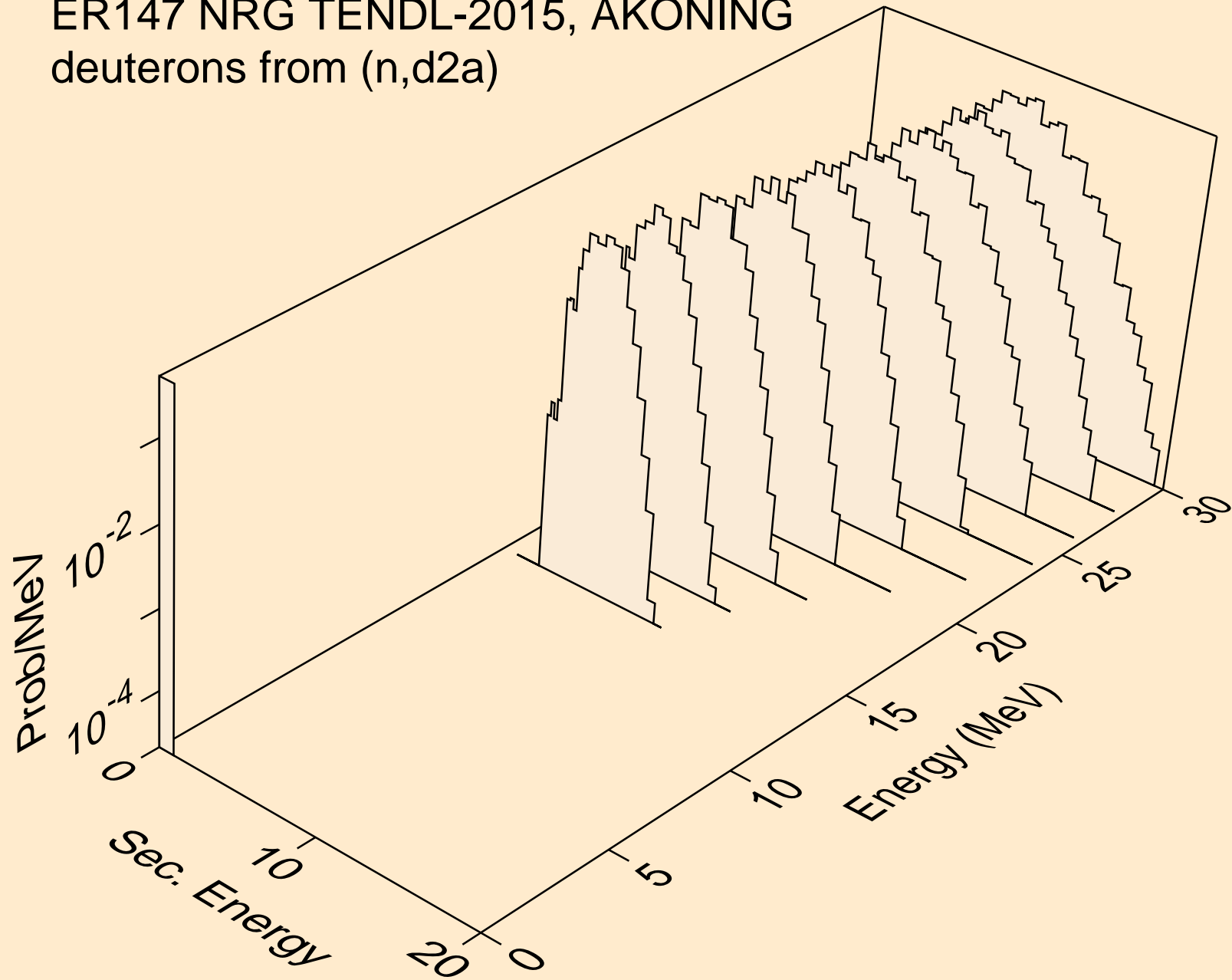
ER147 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



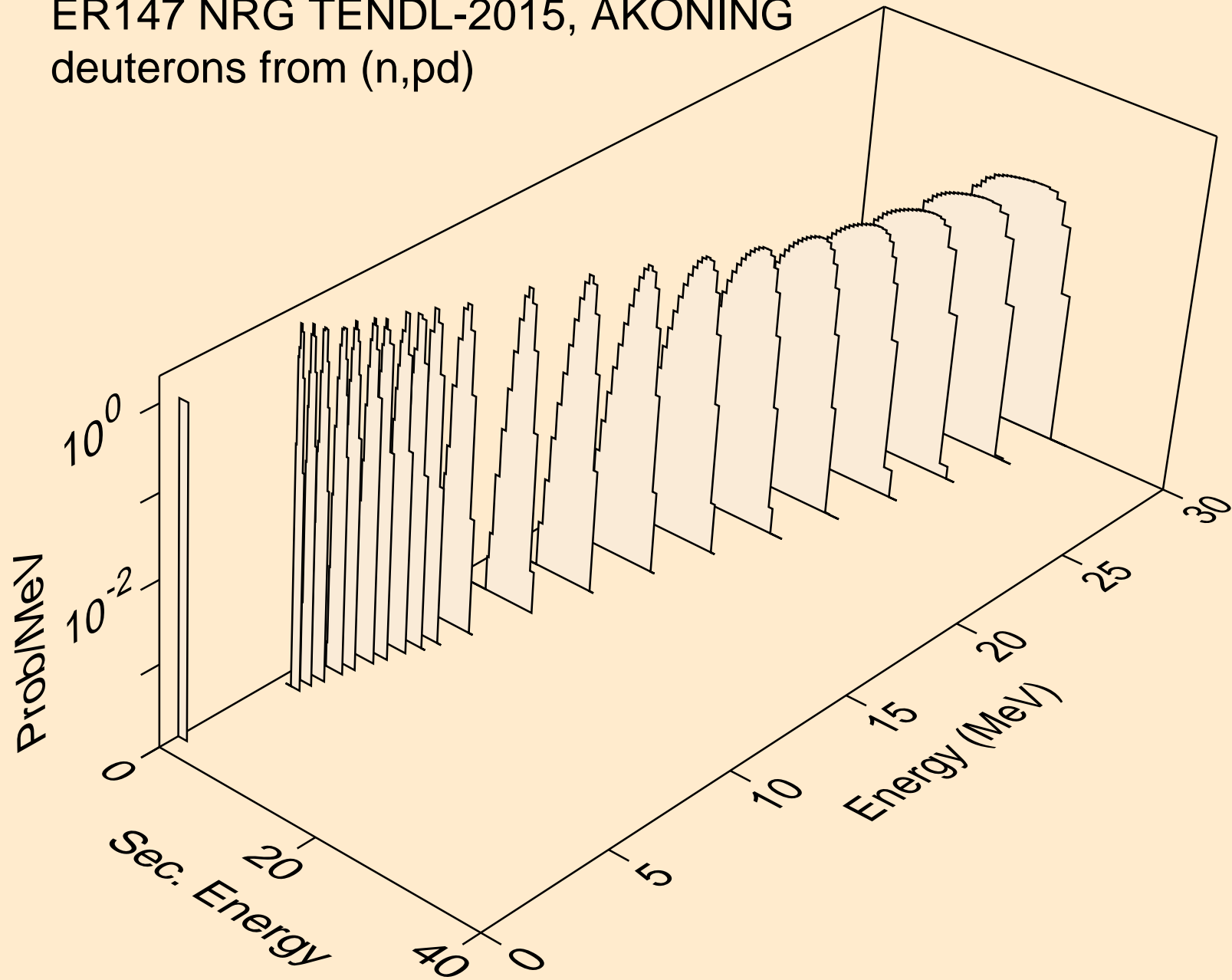
ER147 NRG TENDL-2015, AKONING  
deuterons from (n,d)



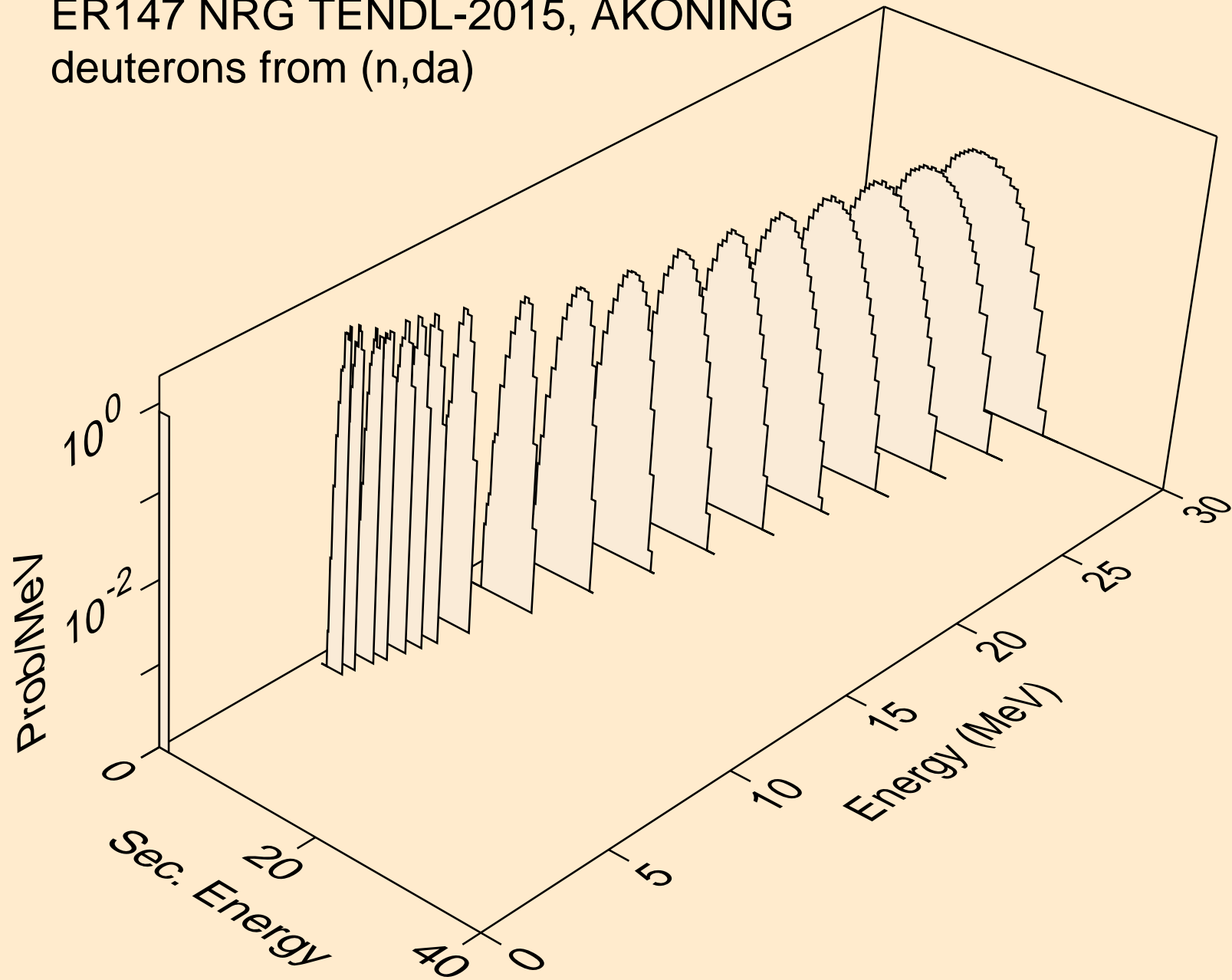
ER147 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



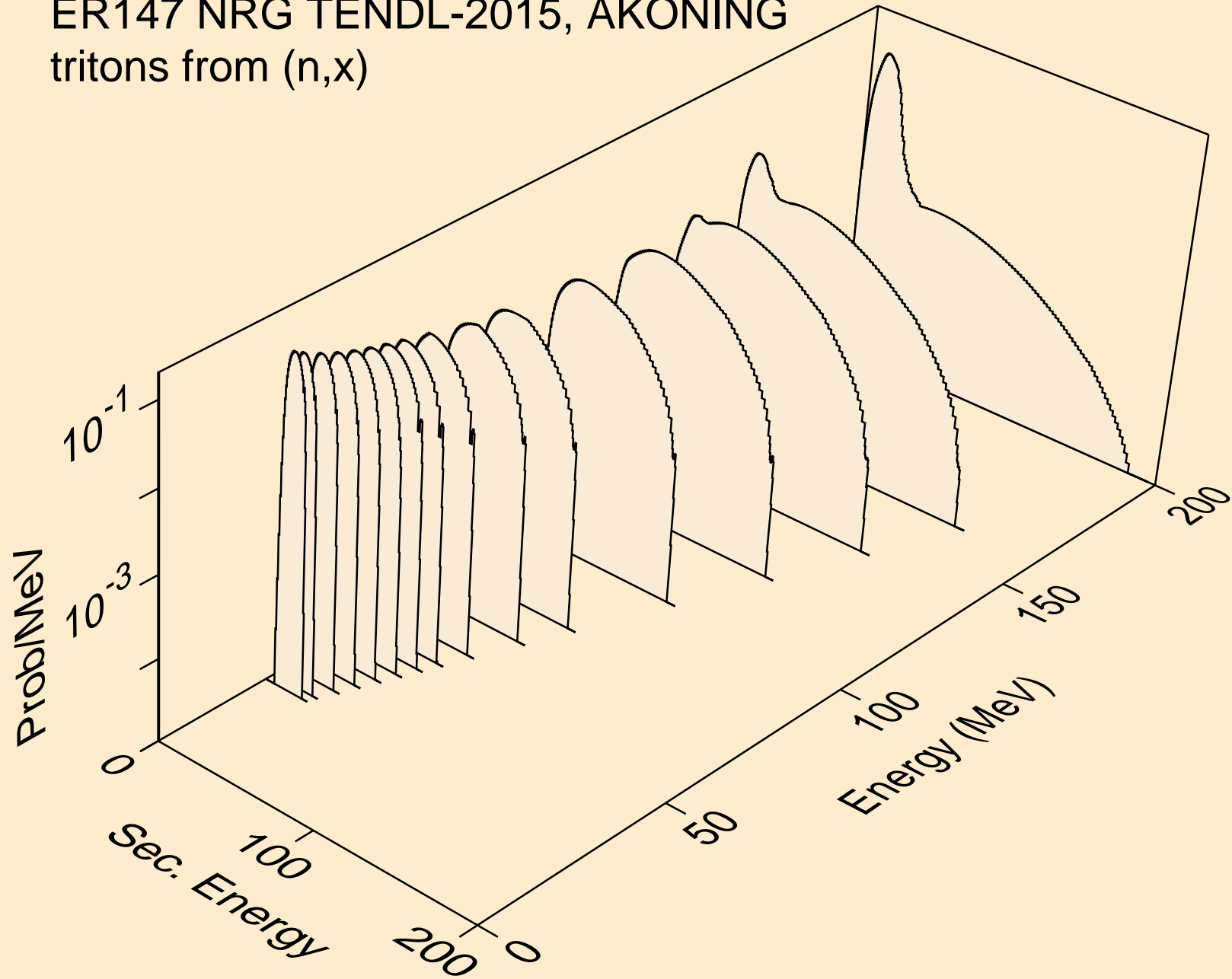
ER147 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



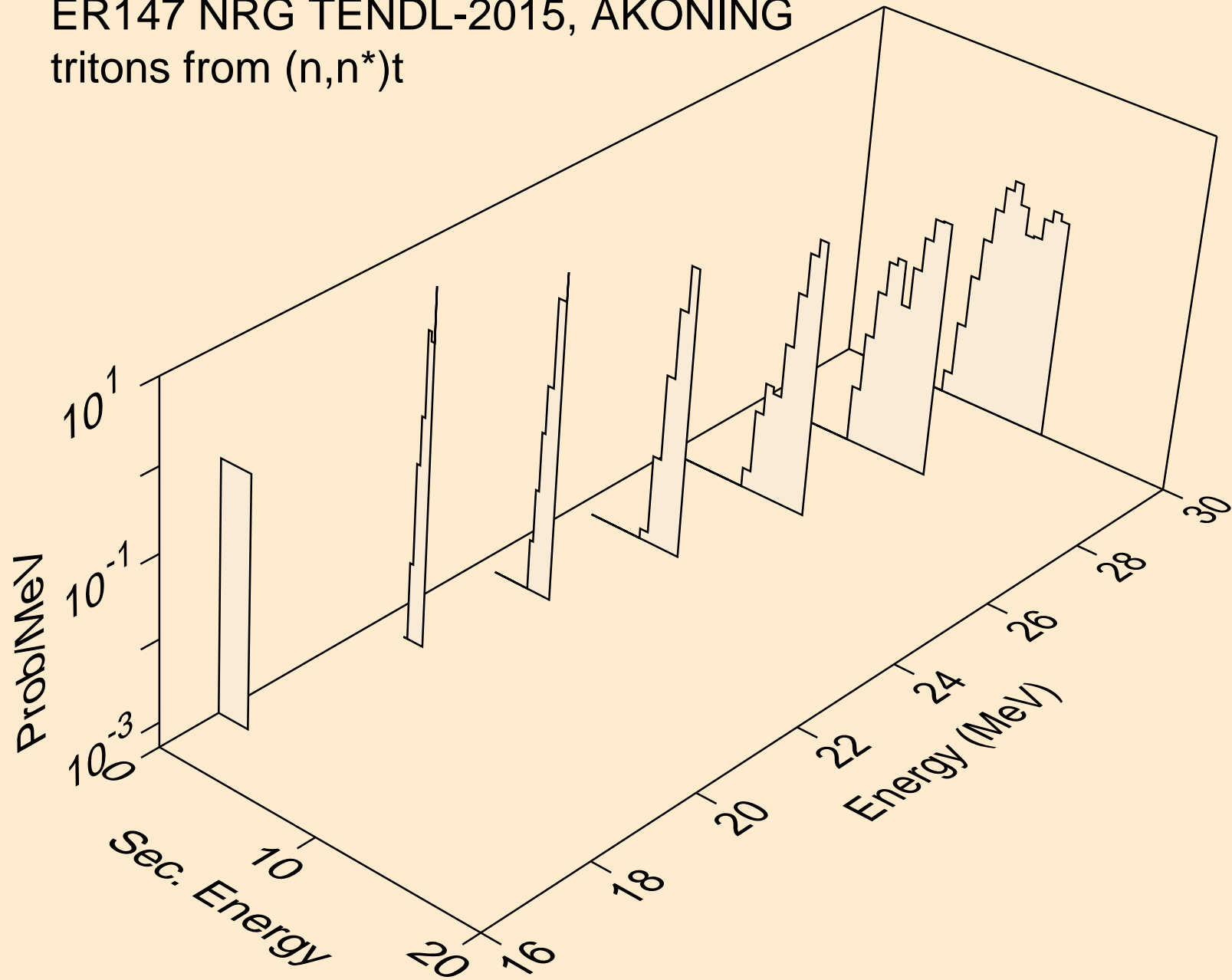
ER147 NRG TENDL-2015, AKONING  
deuterons from (n,da)



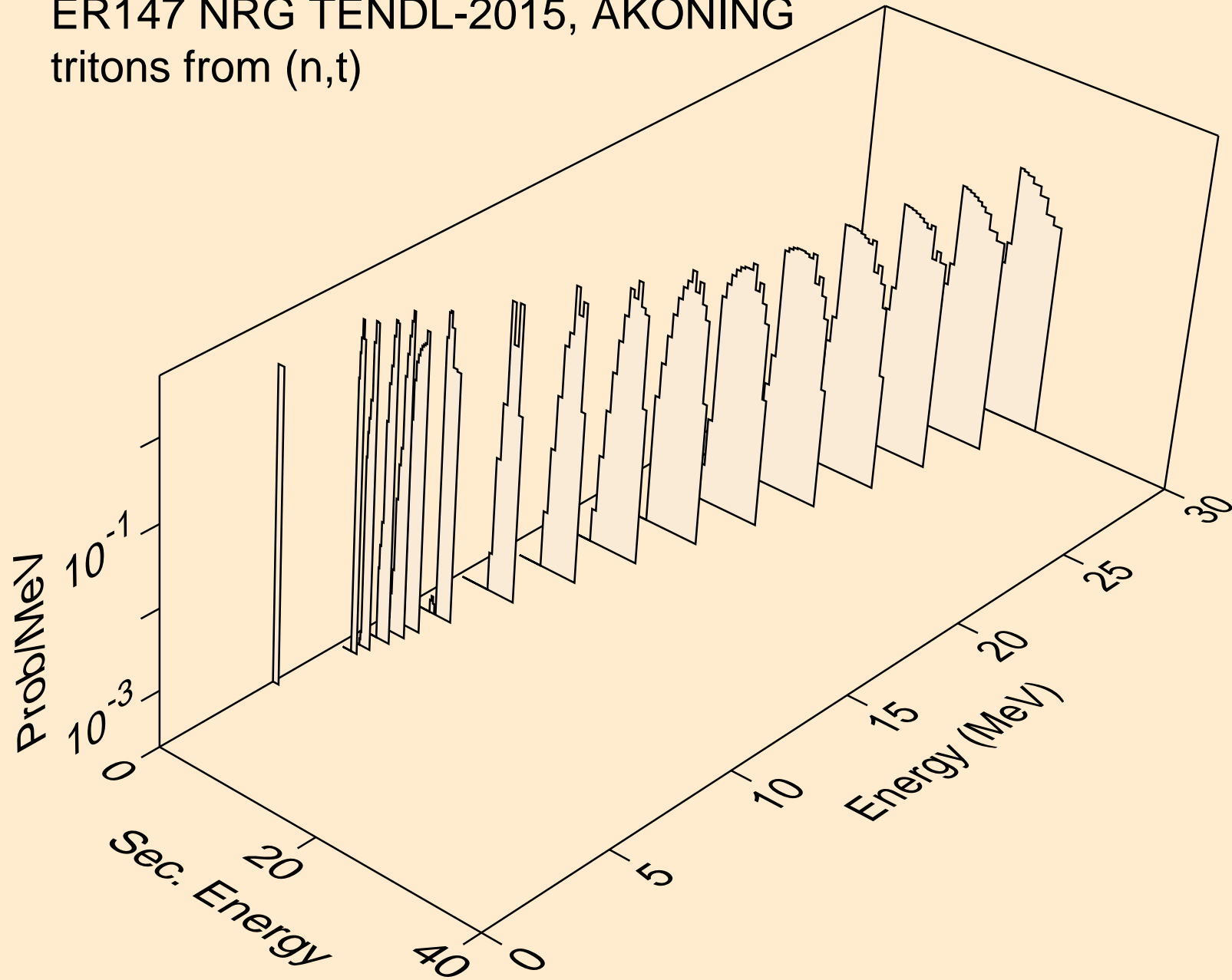
ER147 NRG TENDL-2015, AKONING  
tritons from (n,x)



ER147 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

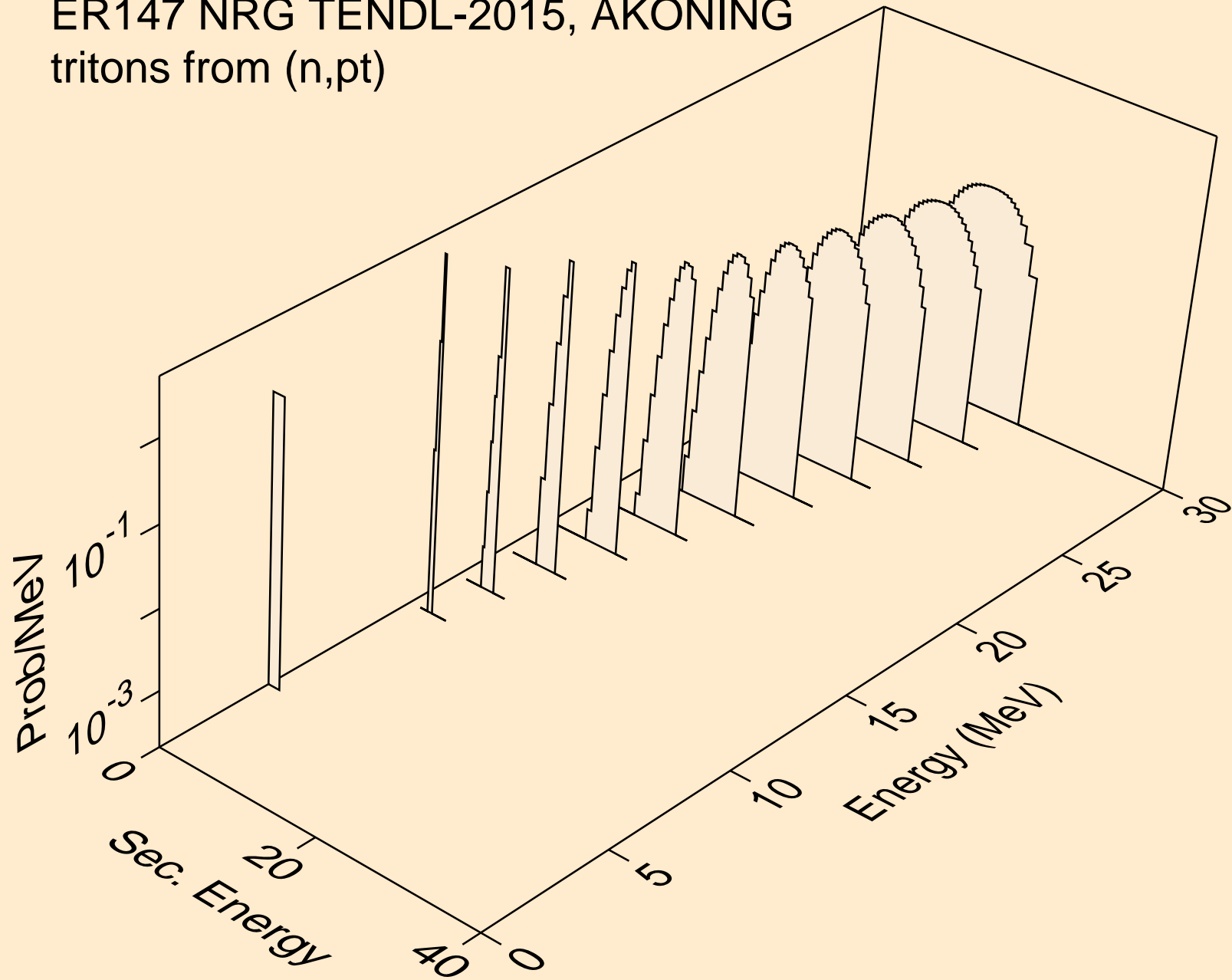


ER147 NRG TENDL-2015, AKONING  
tritons from (n,t)

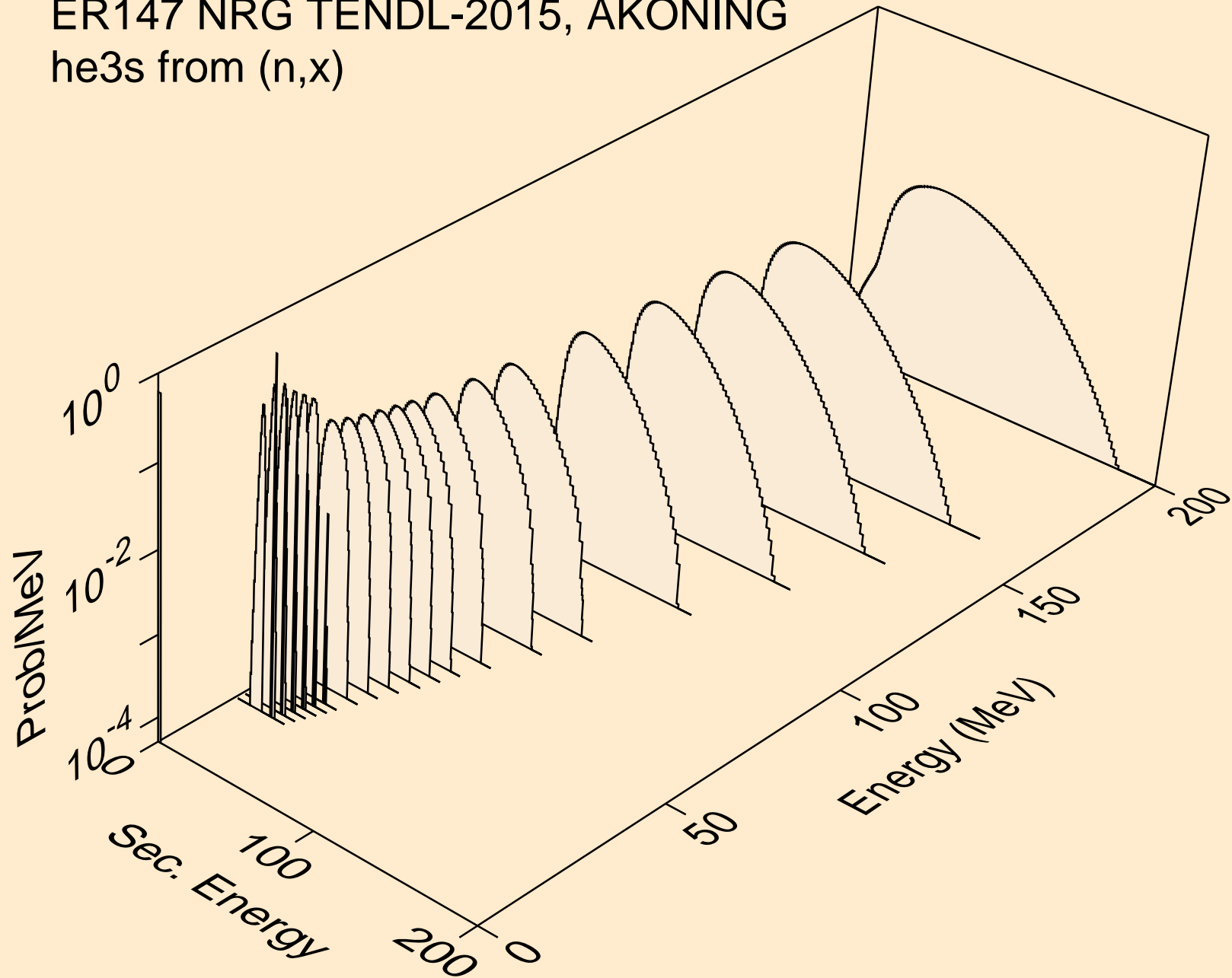




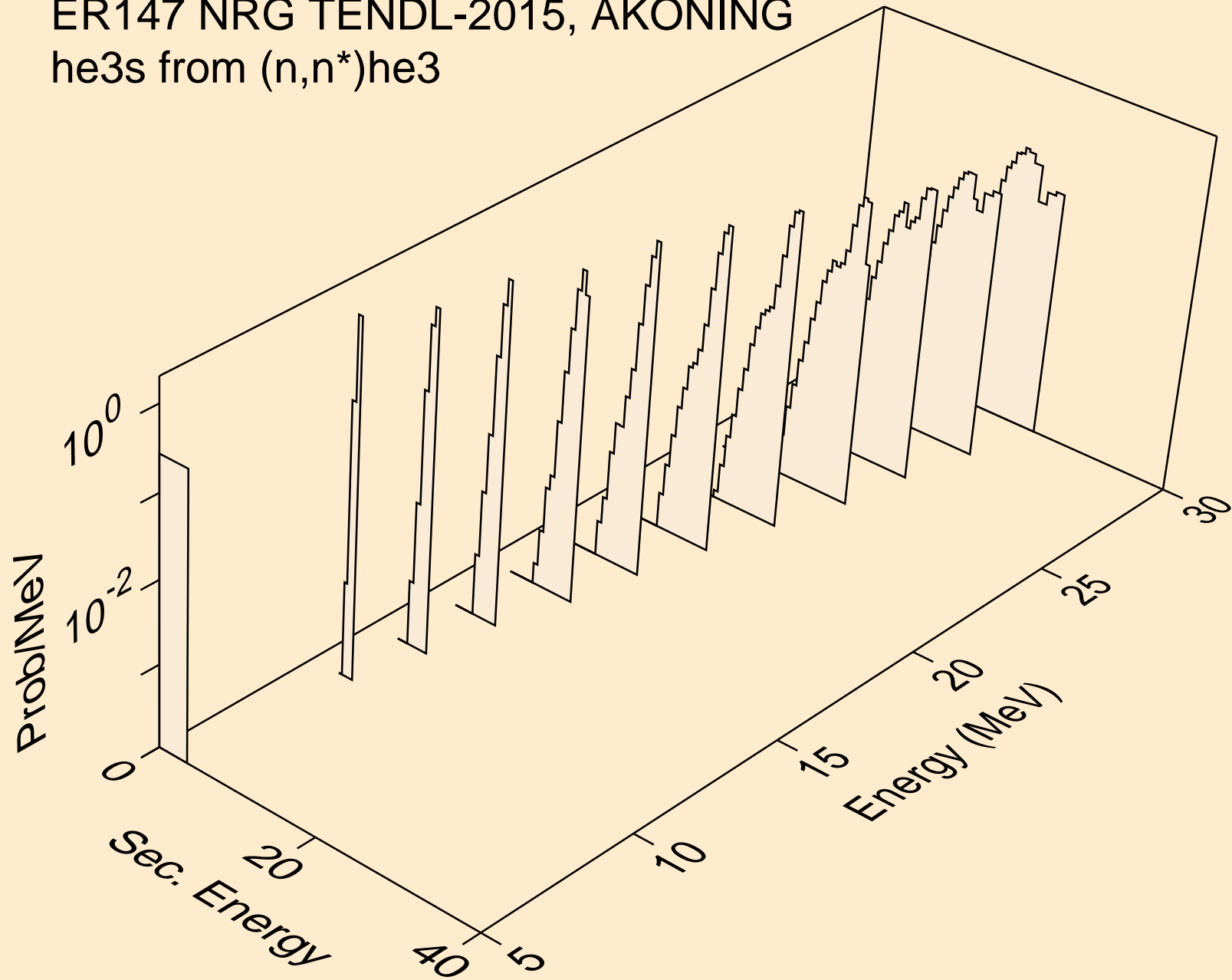
ER147 NRG TENDL-2015, AKONING  
tritons from (n,pt)



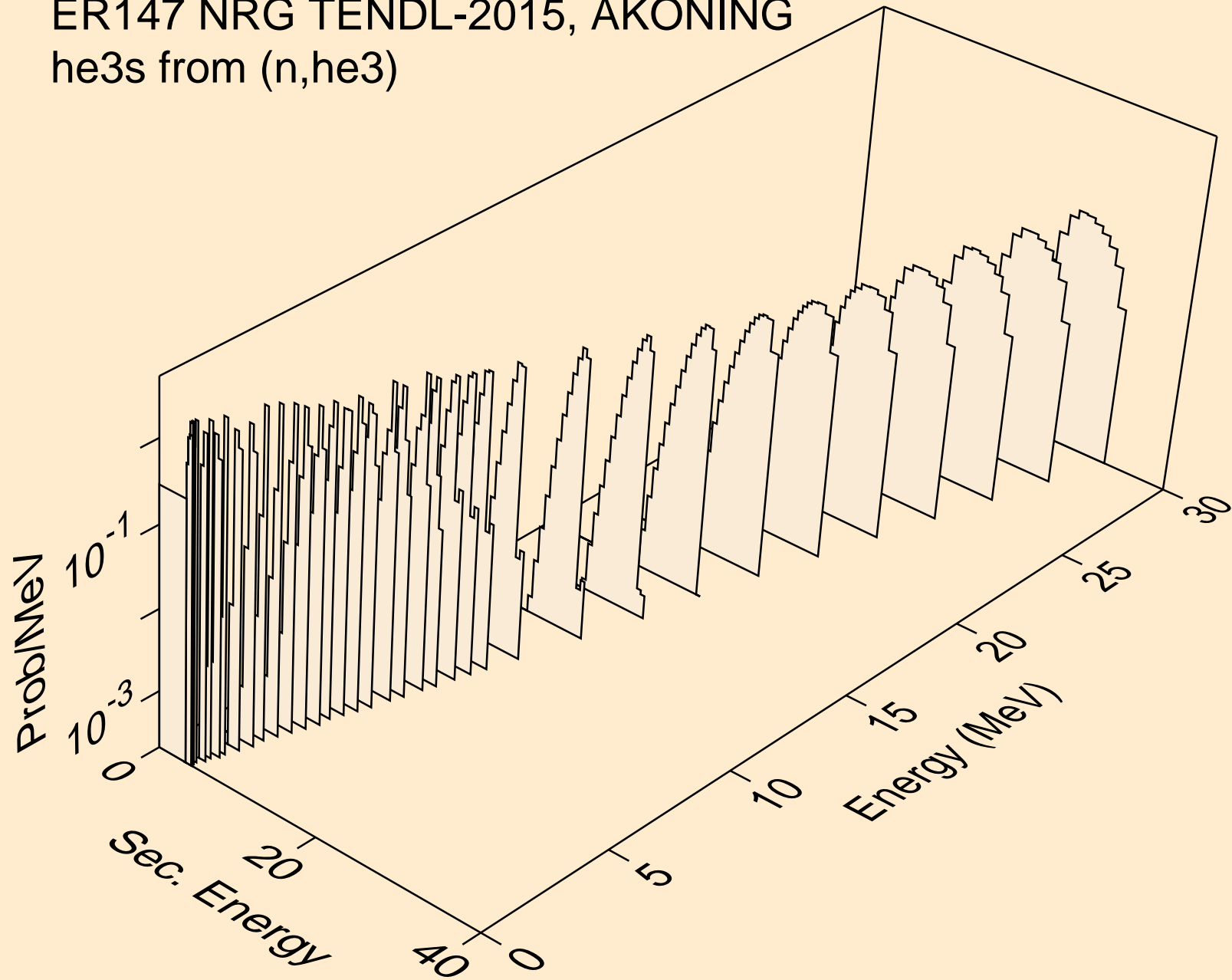
ER147 NRG TENDL-2015, AKONING  
he3s from (n,x)



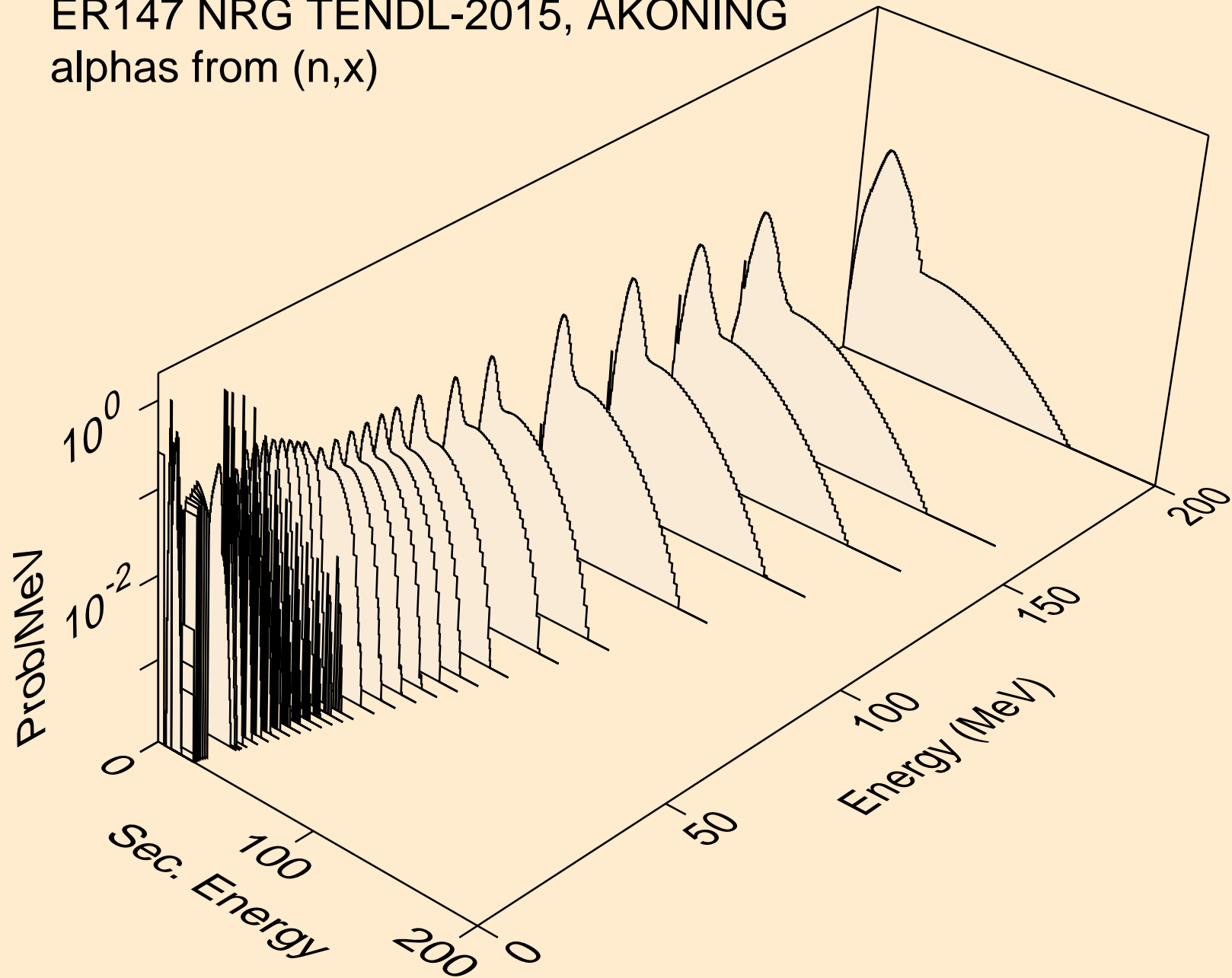
ER147 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



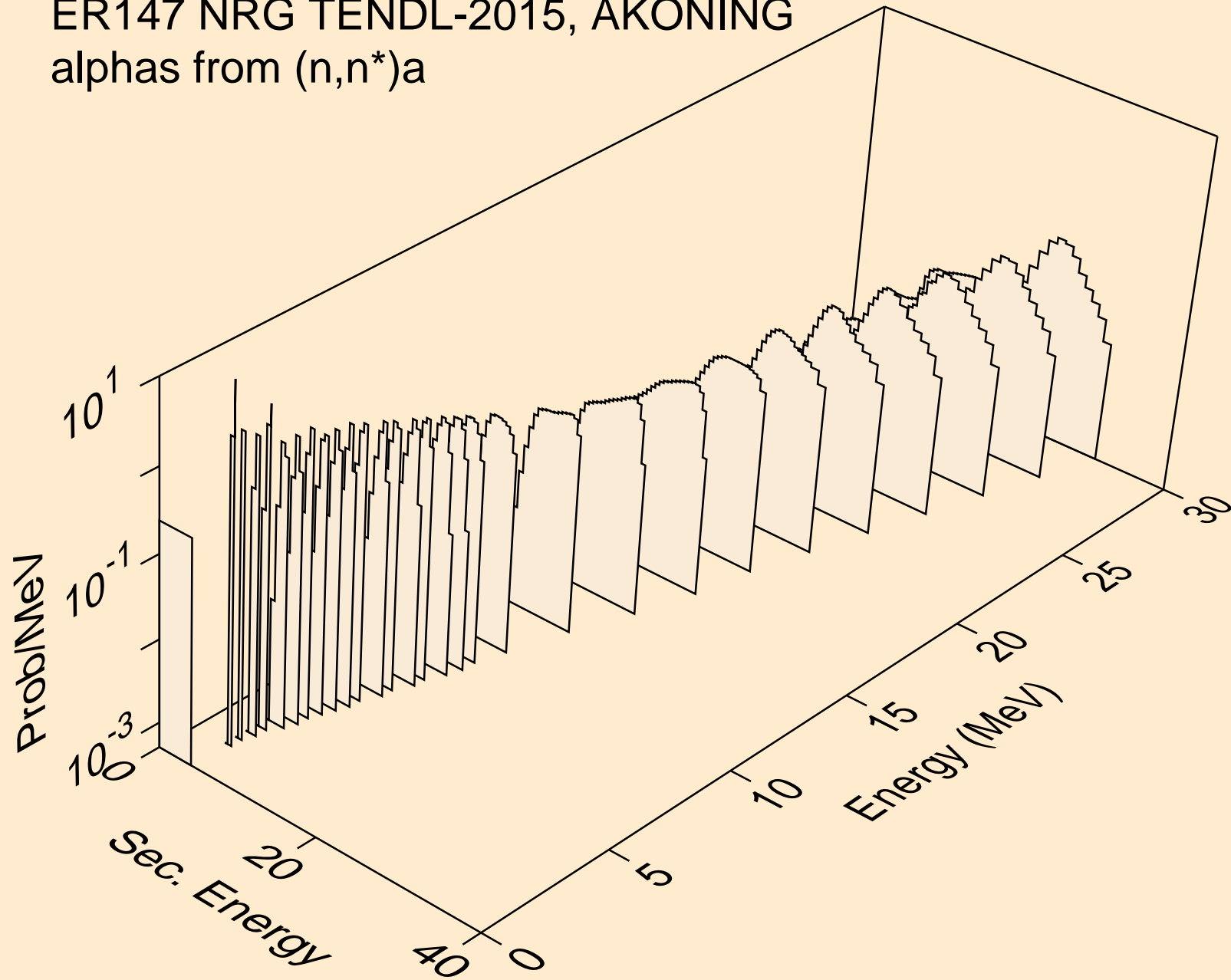
ER147 NRG TENDL-2015, AKONING  
he3s from (n,he3)



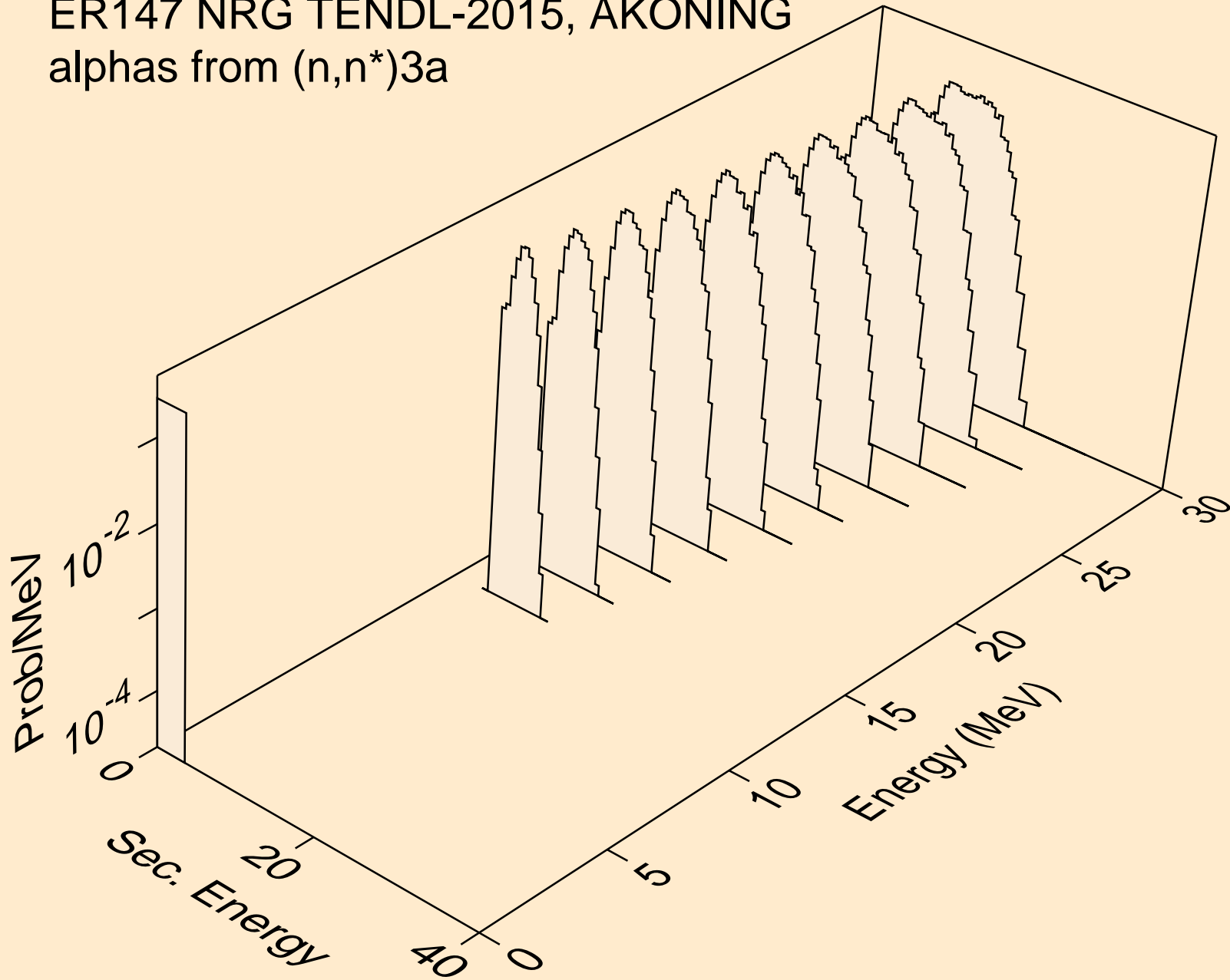
ER147 NRG TENDL-2015, AKONING  
alphas from (n,x)



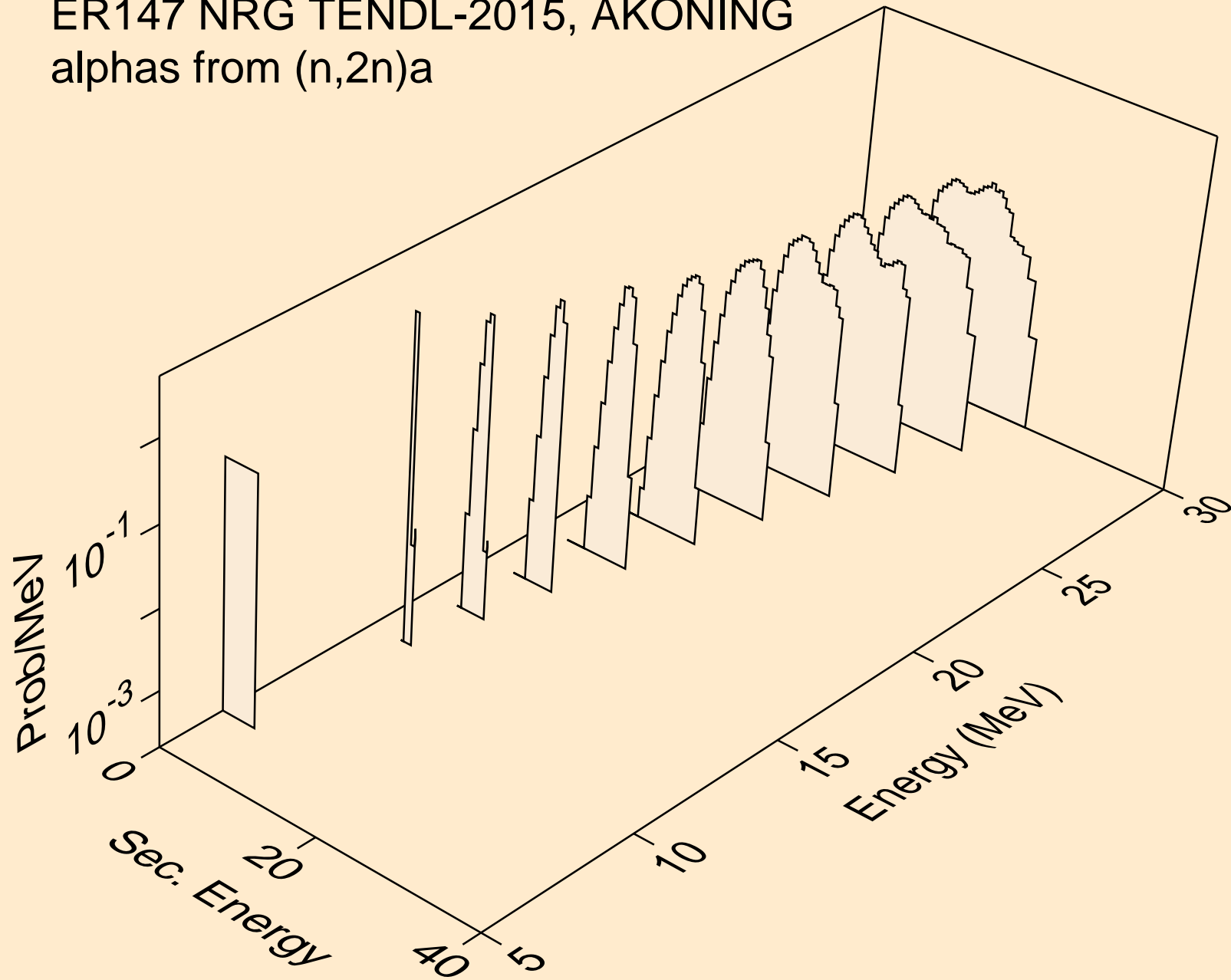
ER147 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



ER147 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a

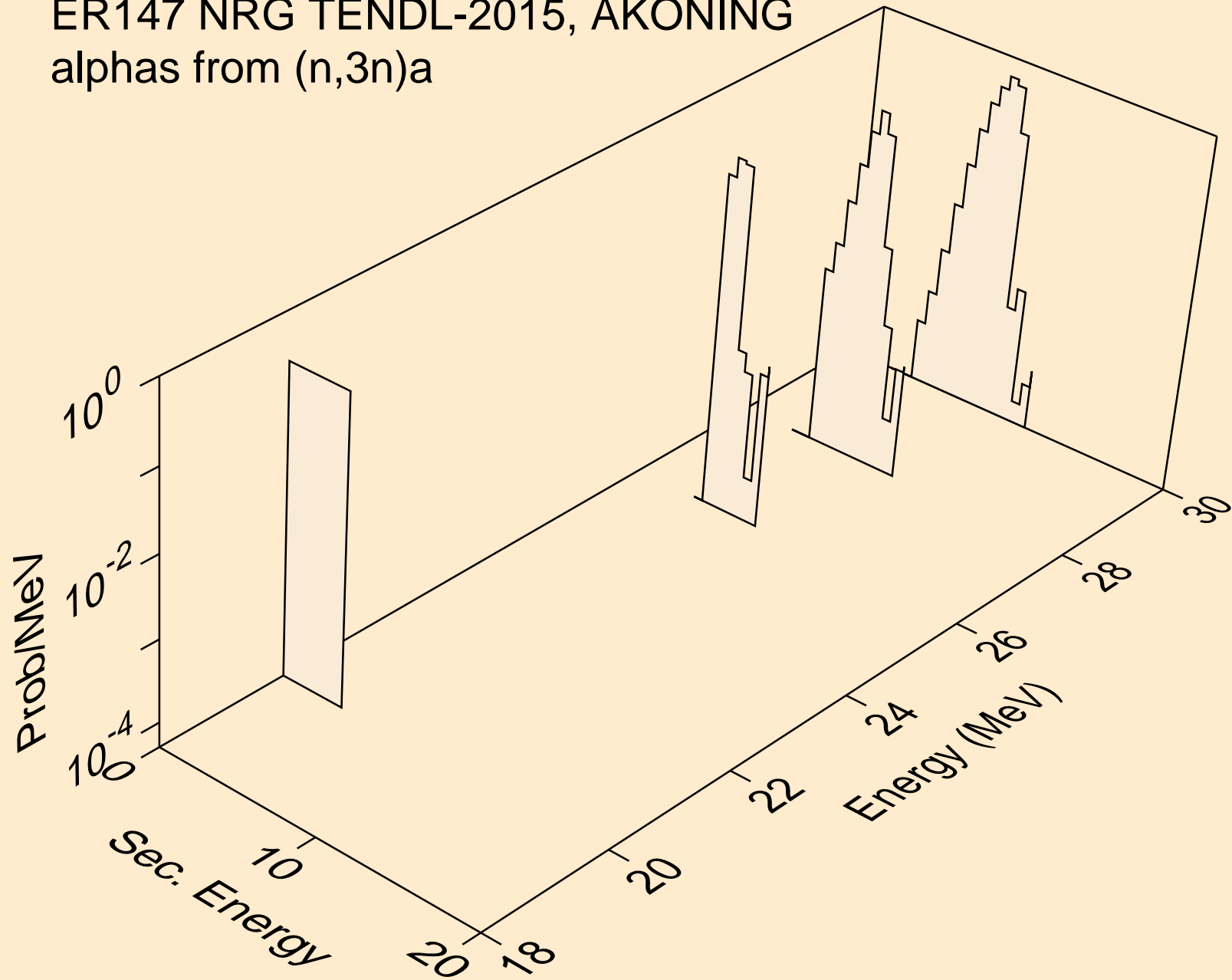


ER147 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

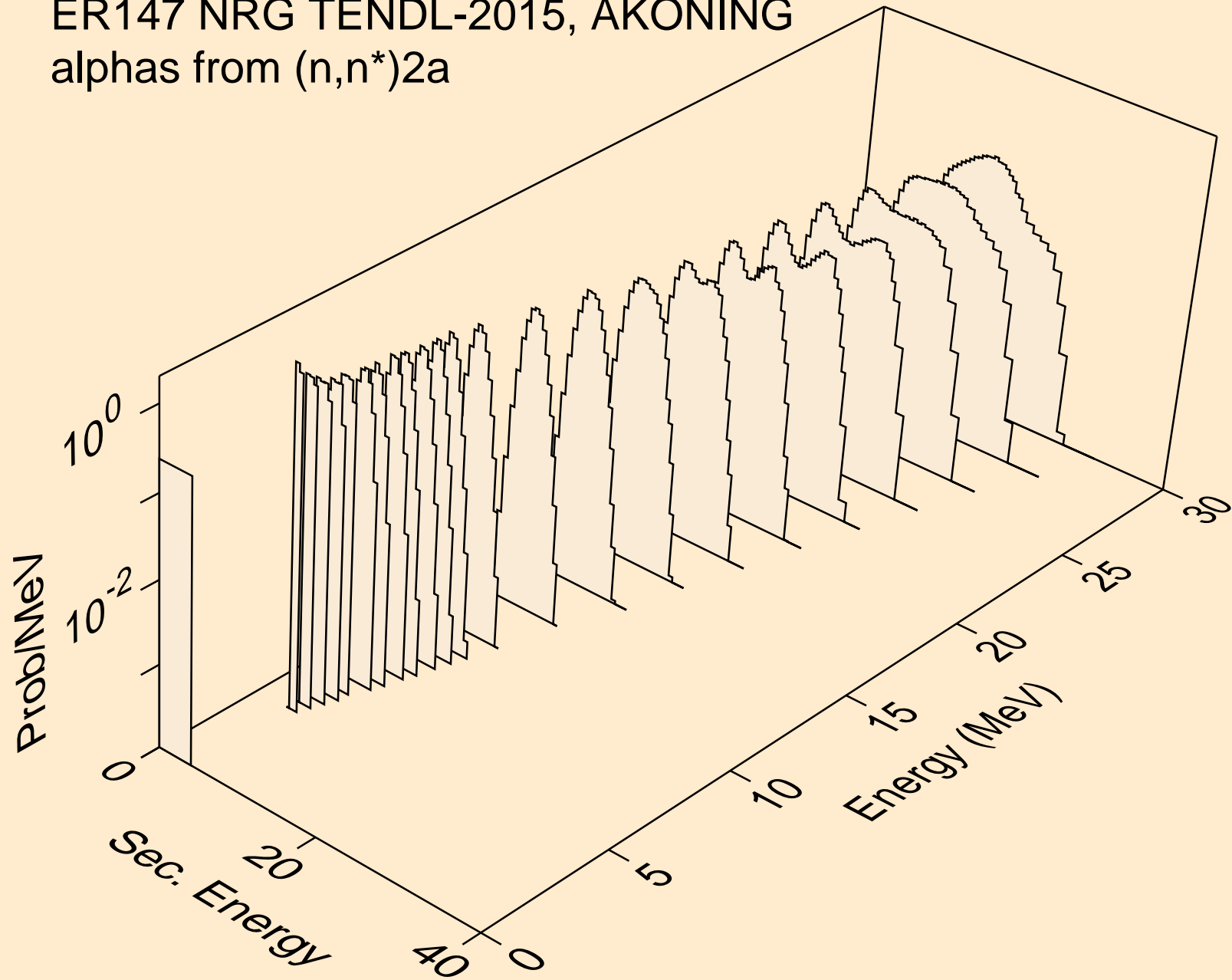




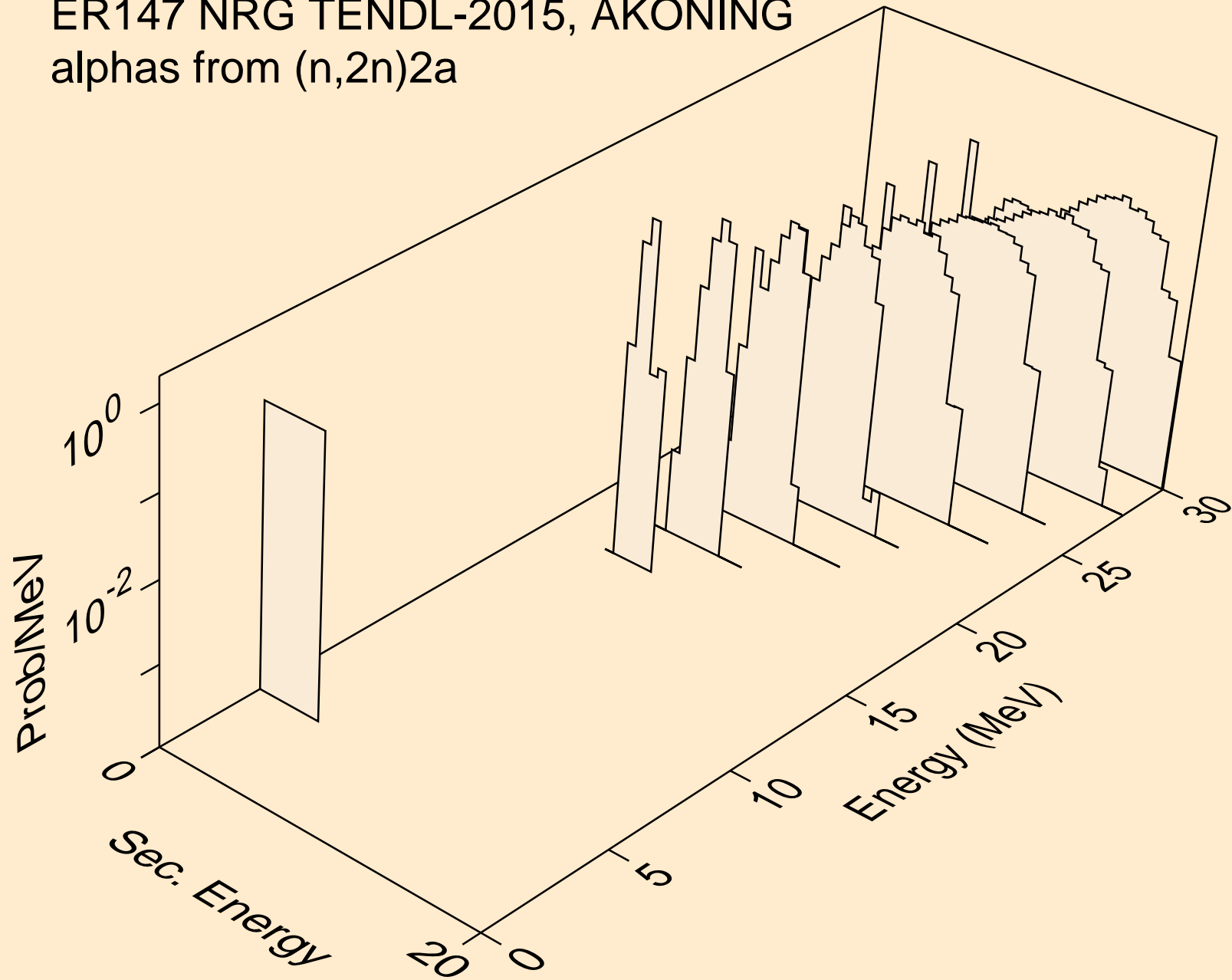
ER147 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



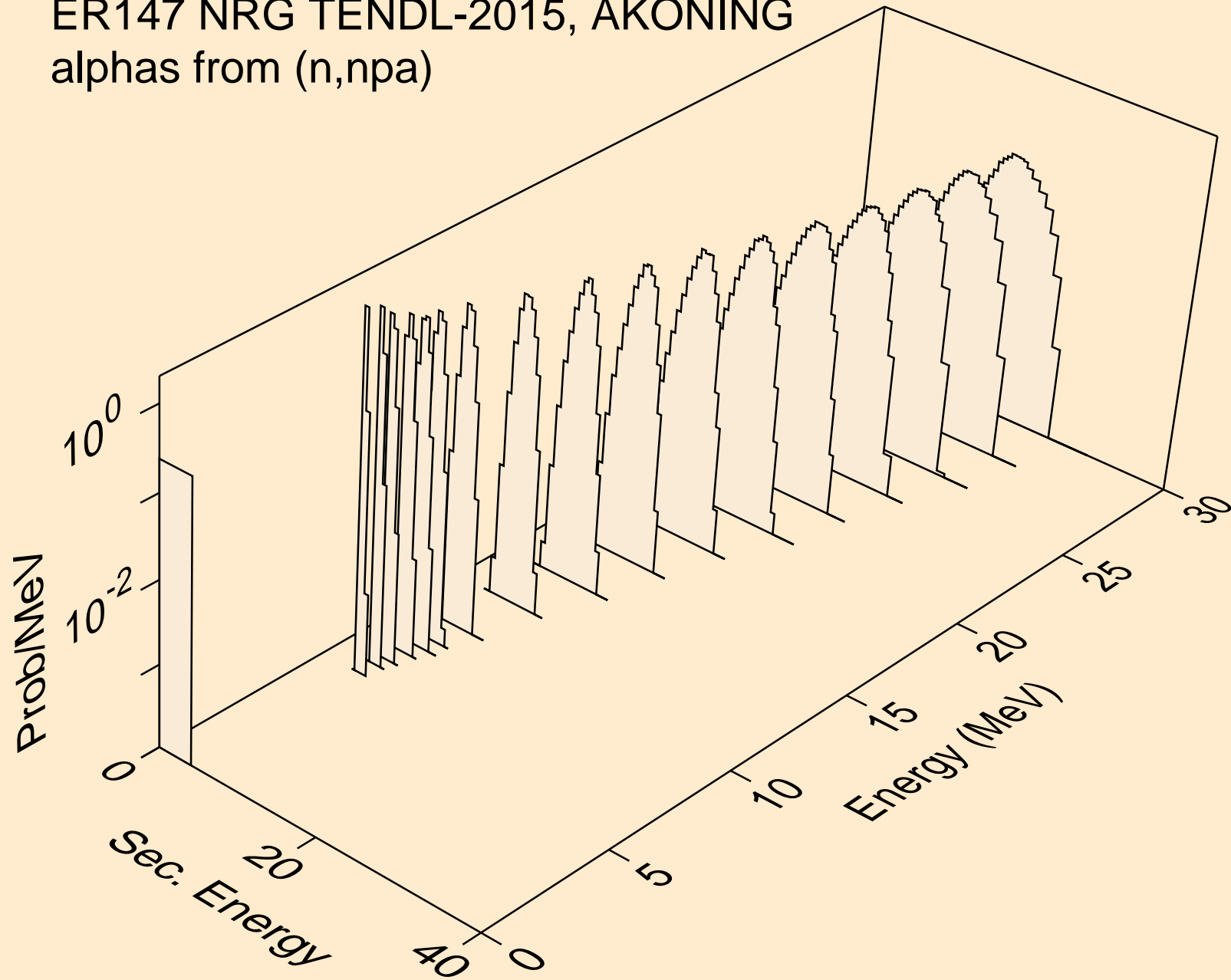
ER147 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



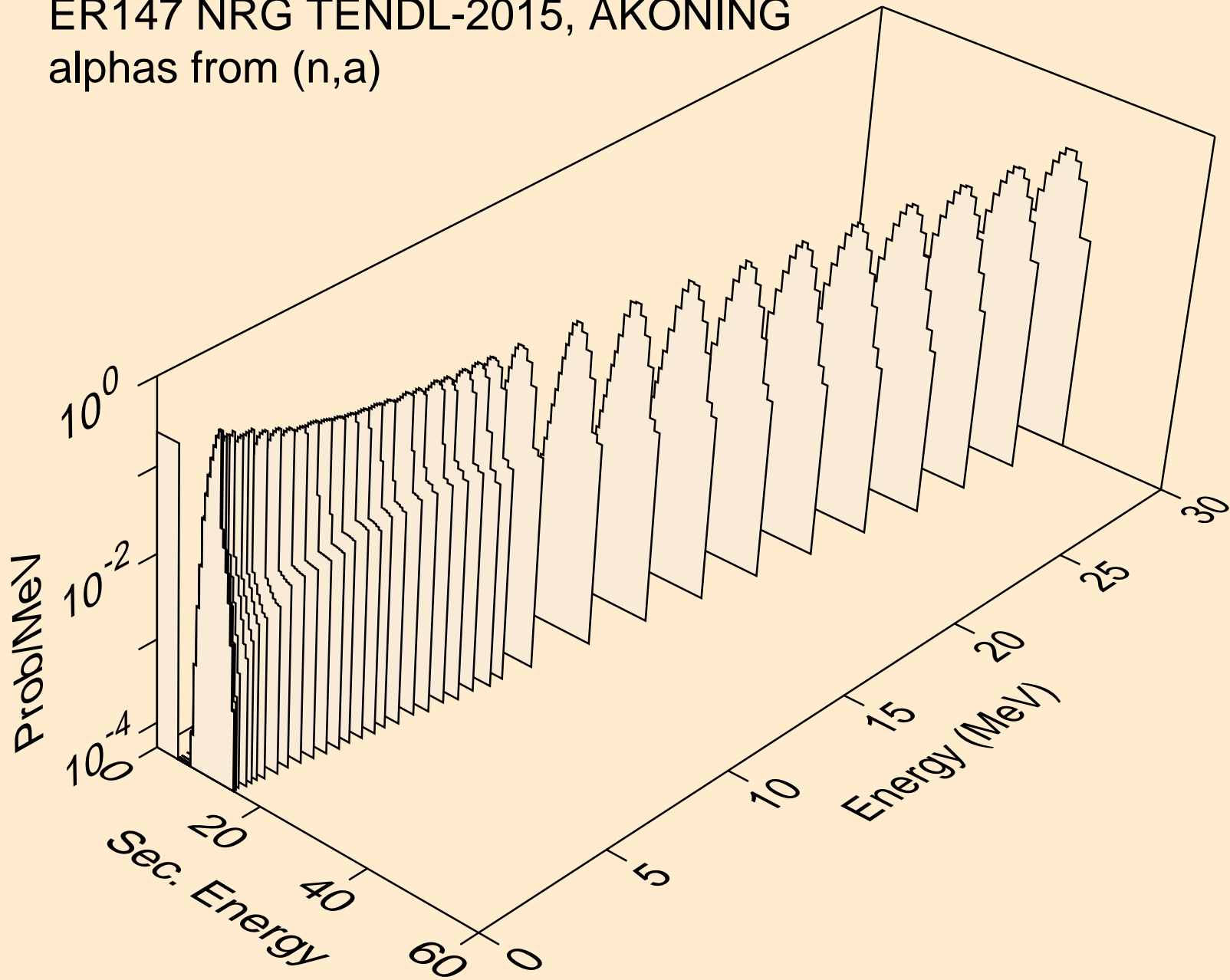
ER147 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



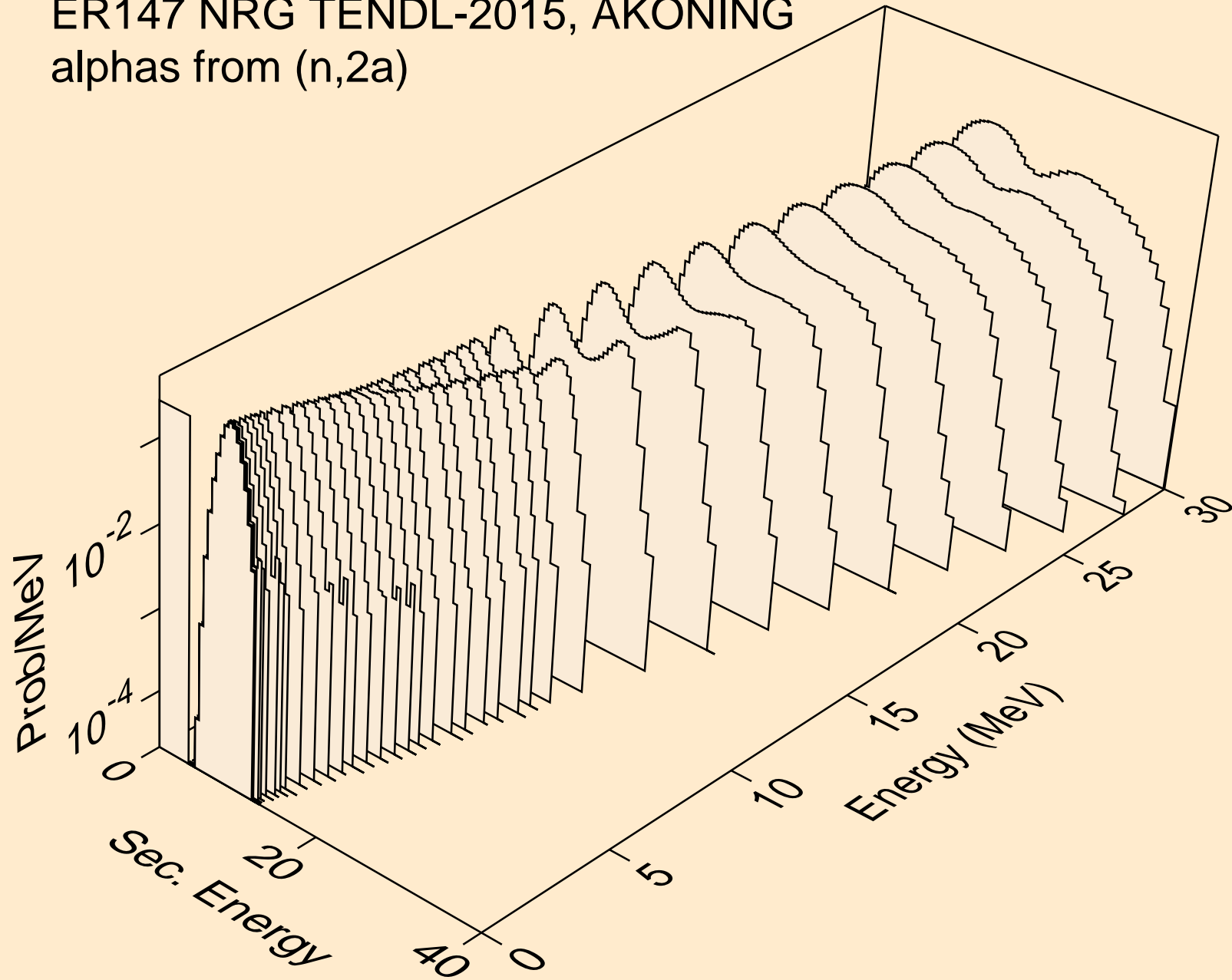
ER147 NRG TENDL-2015, AKONING  
alphas from (n,npa)



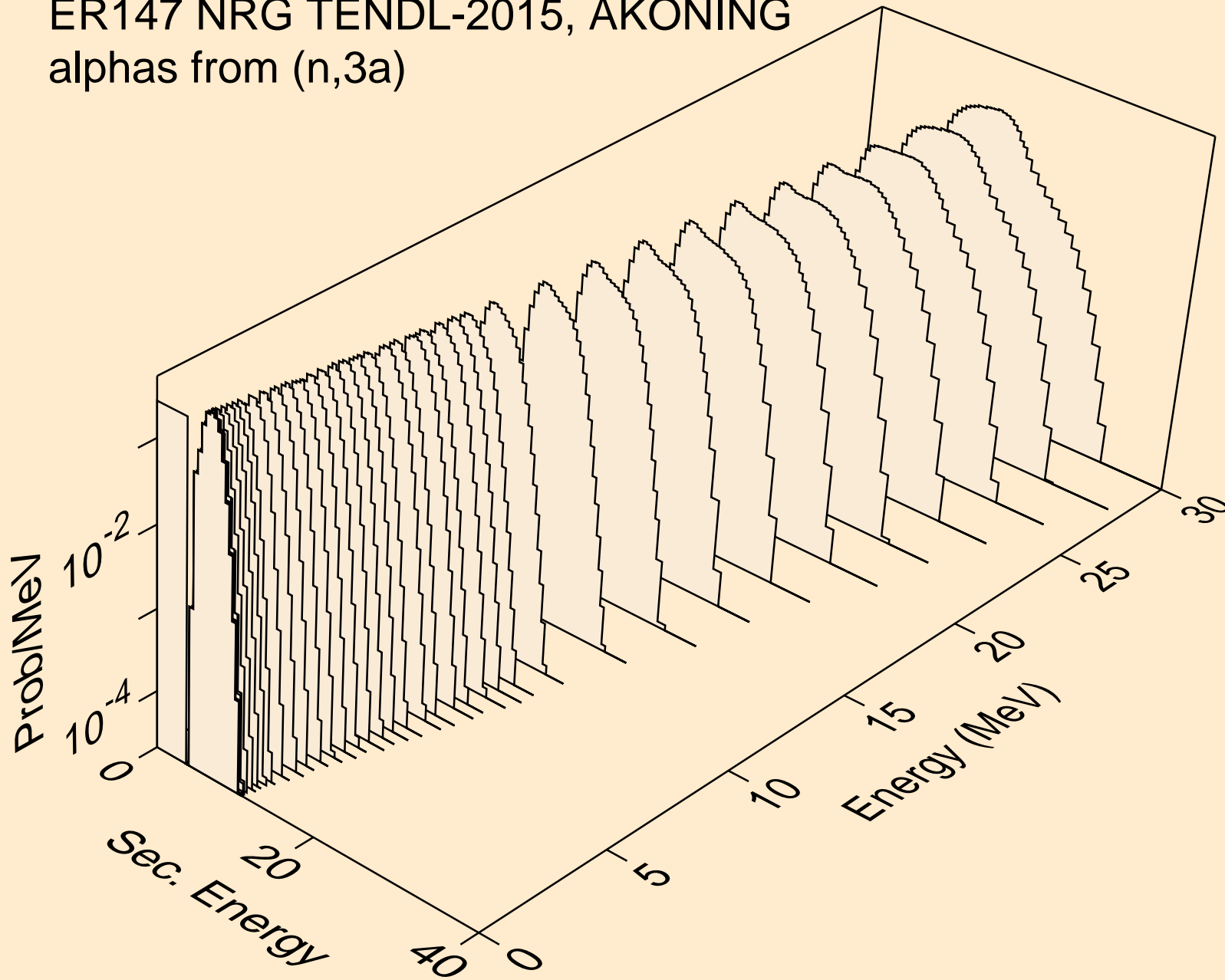
ER147 NRG TENDL-2015, AKONING  
alphas from (n,a)



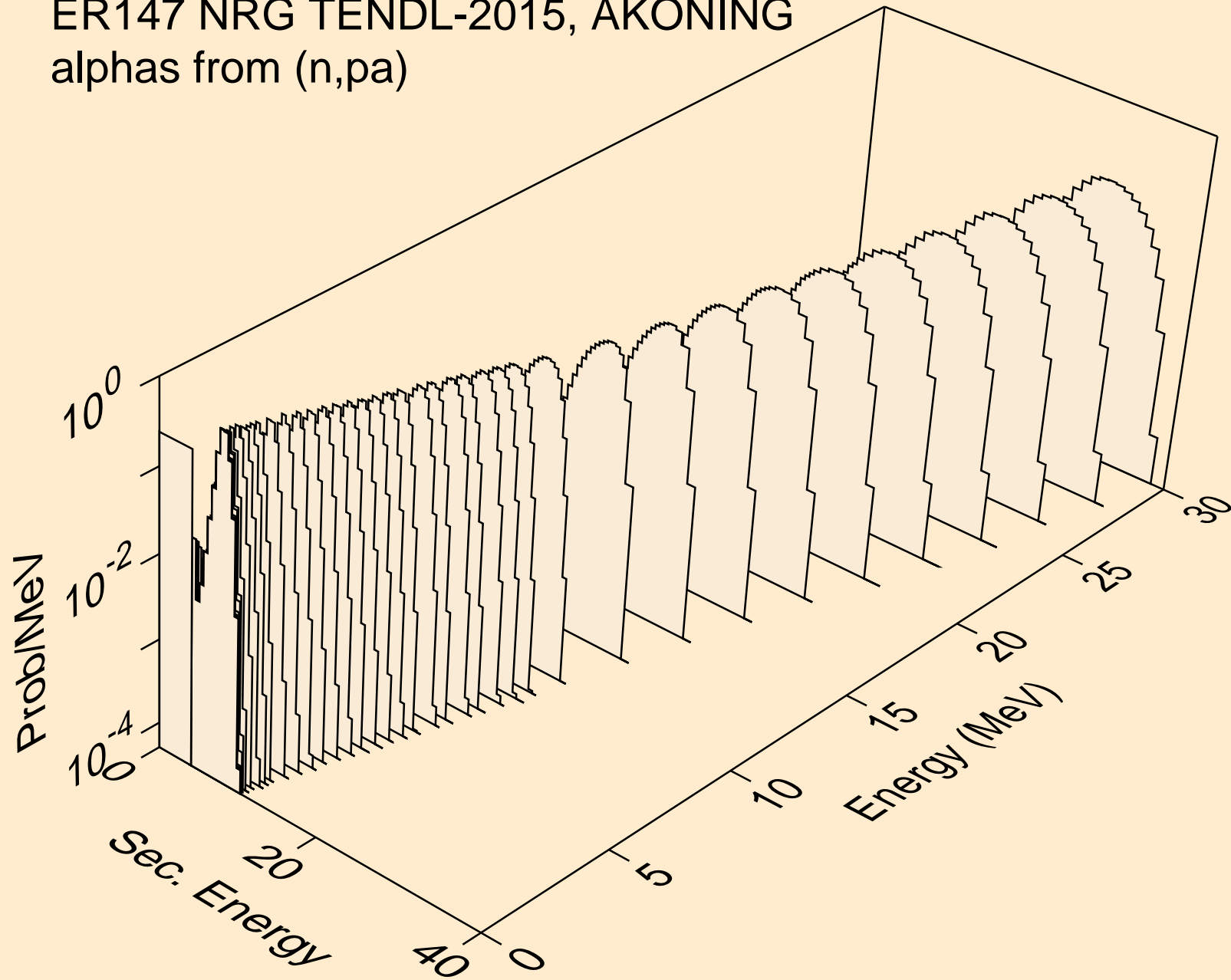
ER147 NRG TENDL-2015, AKONING  
alphas from (n,2a)



ER147 NRG TENDL-2015, AKONING  
alphas from (n,3a)

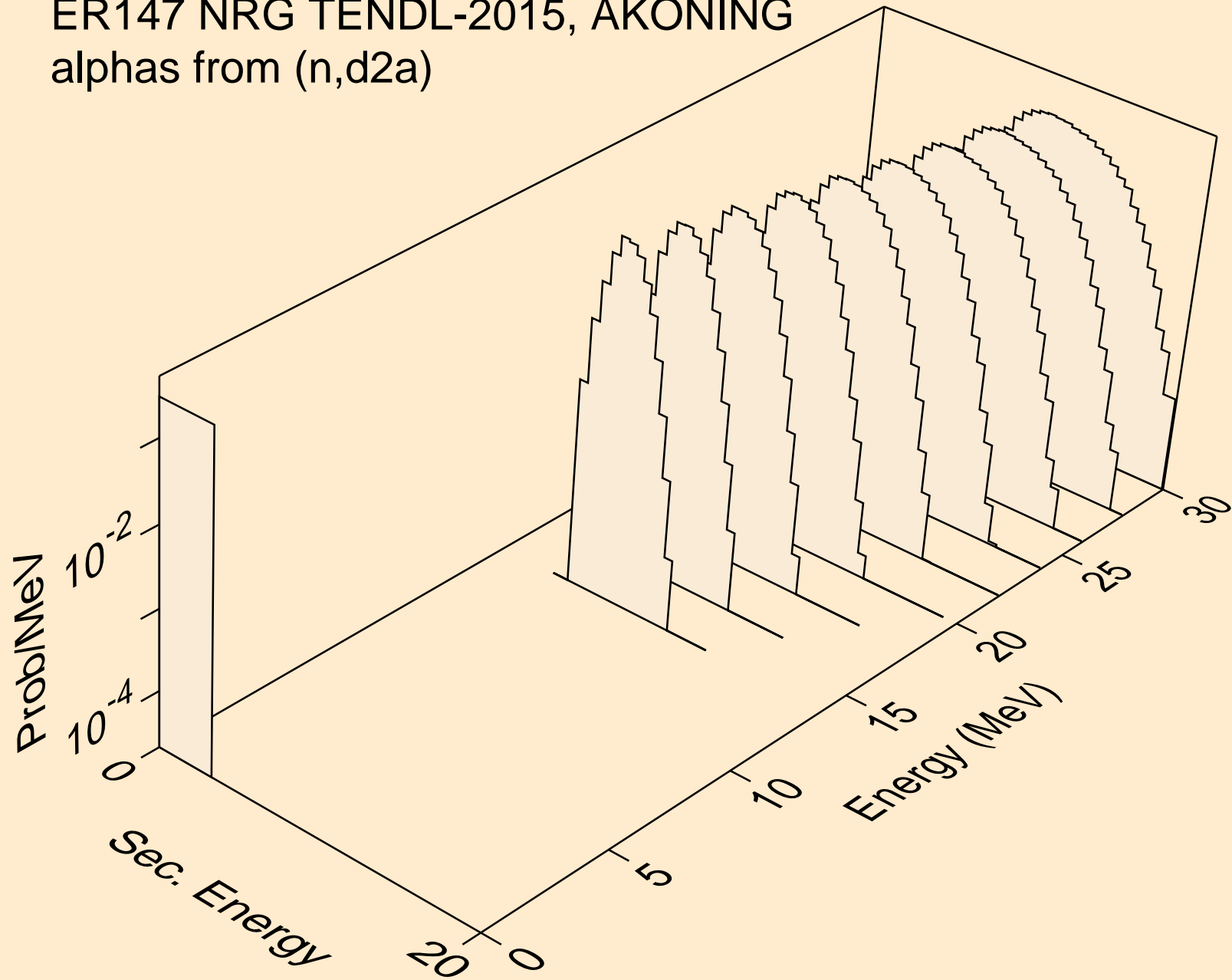


ER147 NRG TENDL-2015, AKONING  
alphas from (n,pa)





ER147 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



ER147 NRG TENDL-2015, AKONING  
alphas from (n,da)

