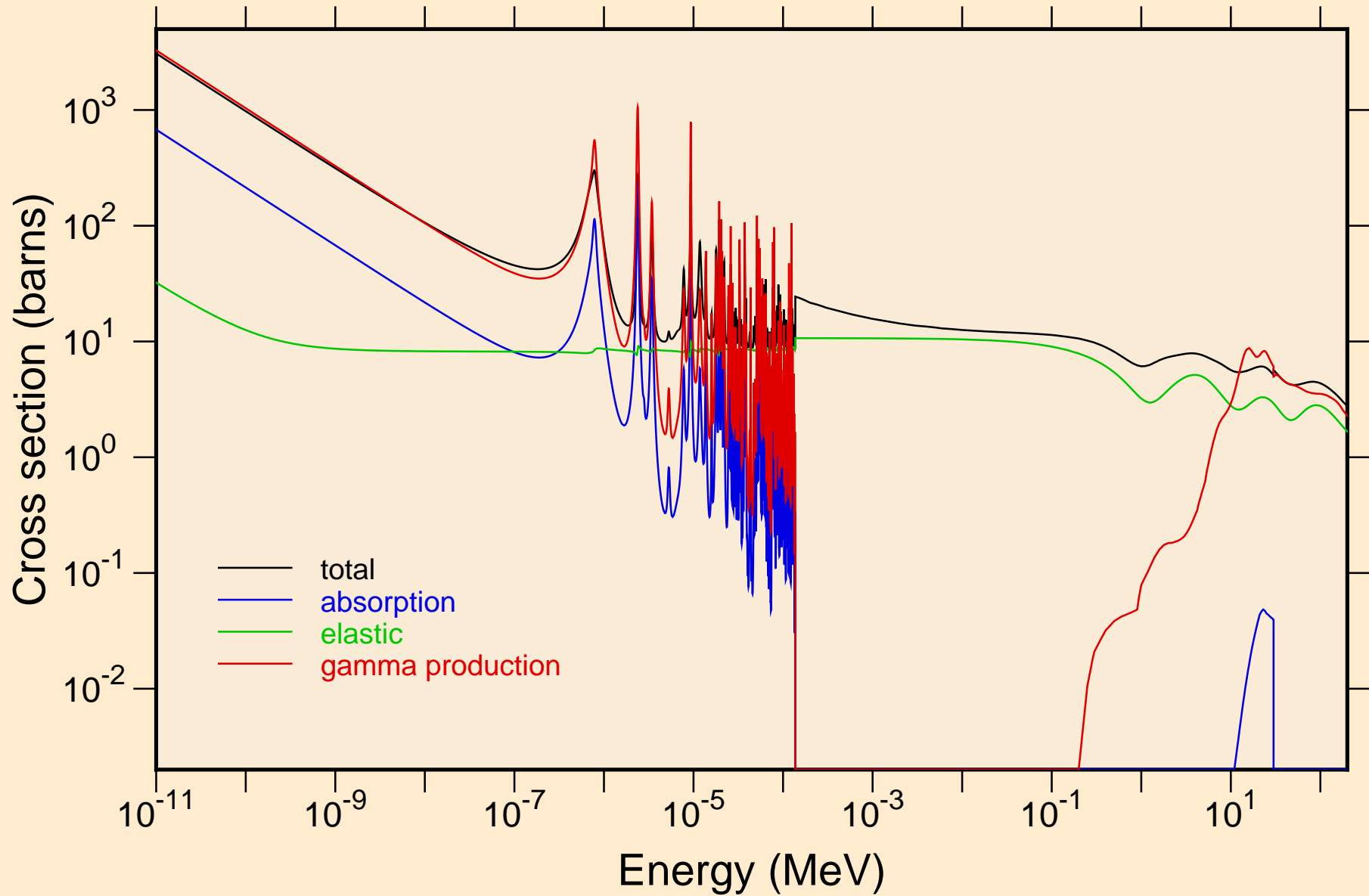
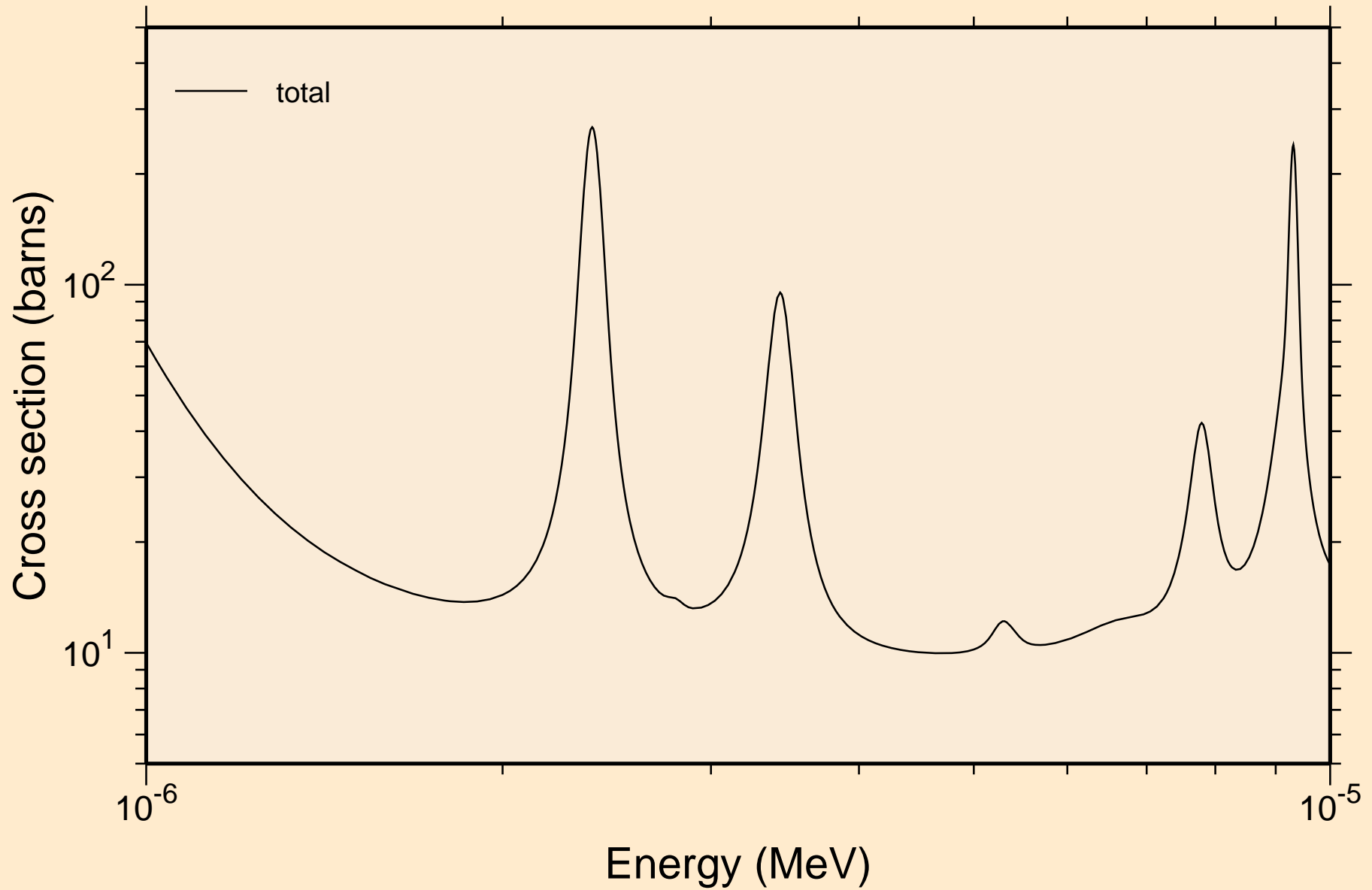


# PA227 NRG TENDL-2015, AKONING

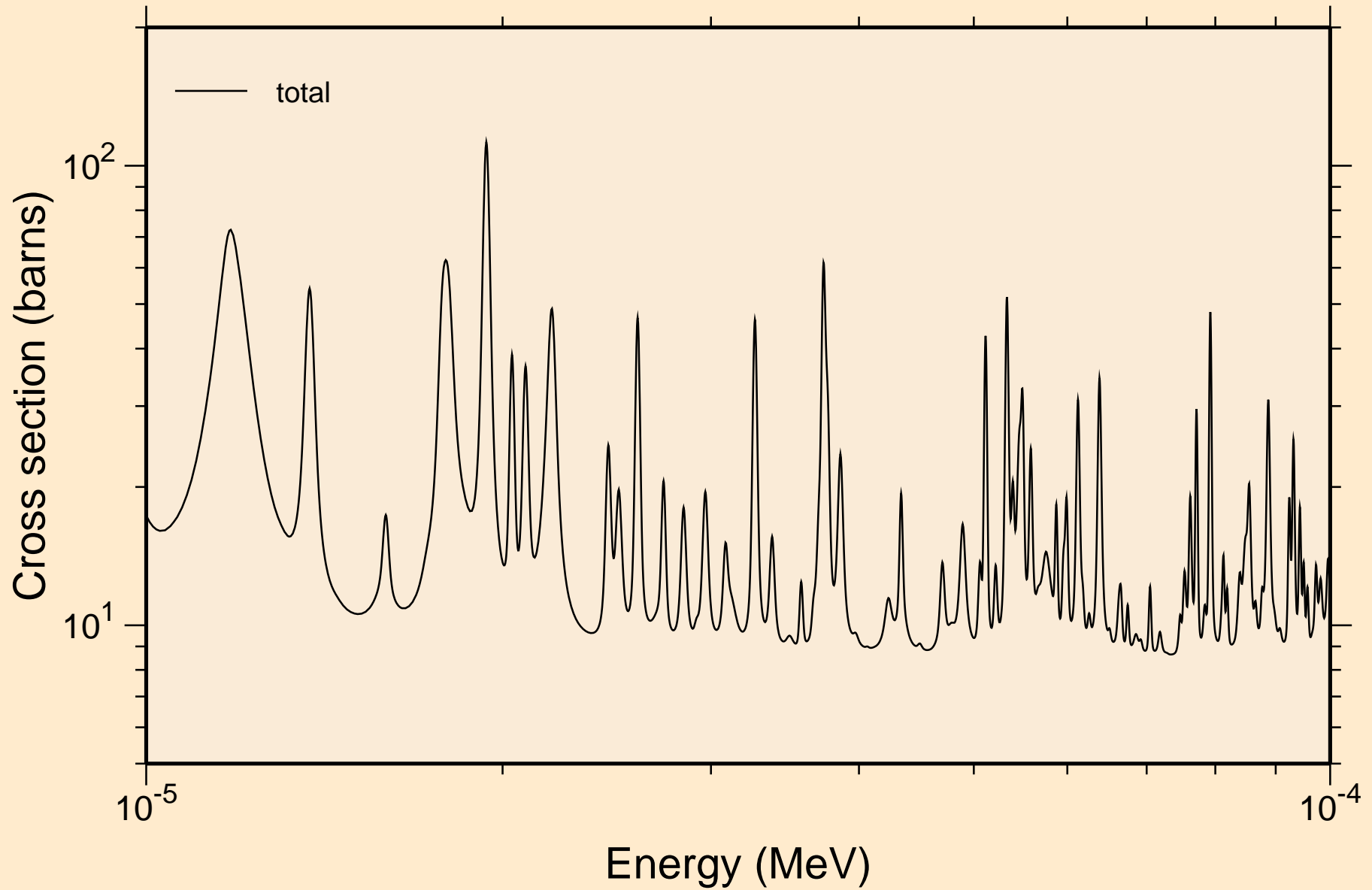
## Principal cross sections



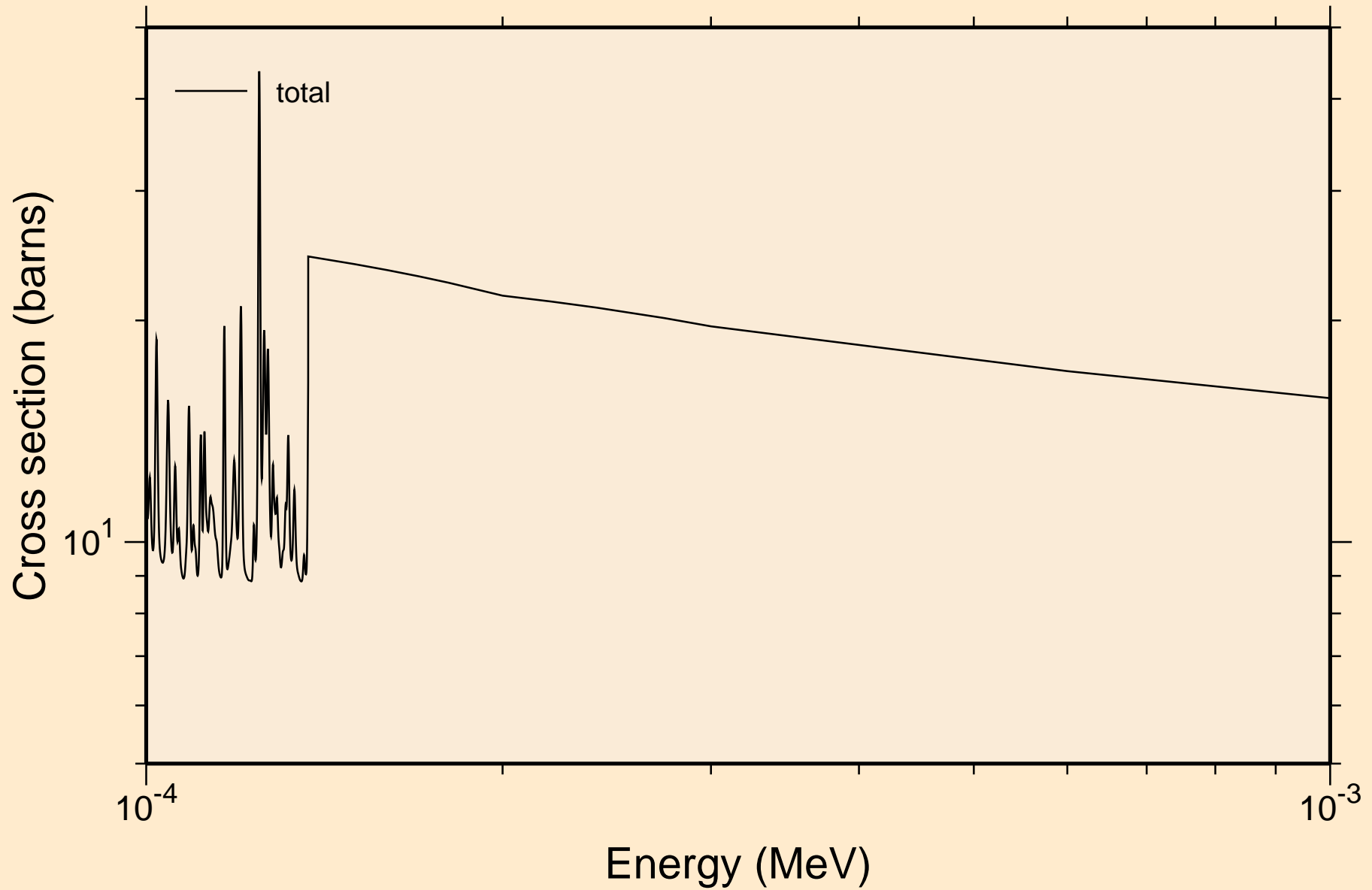
PA227 NRG TENDL-2015, AKONING  
resonance total cross section



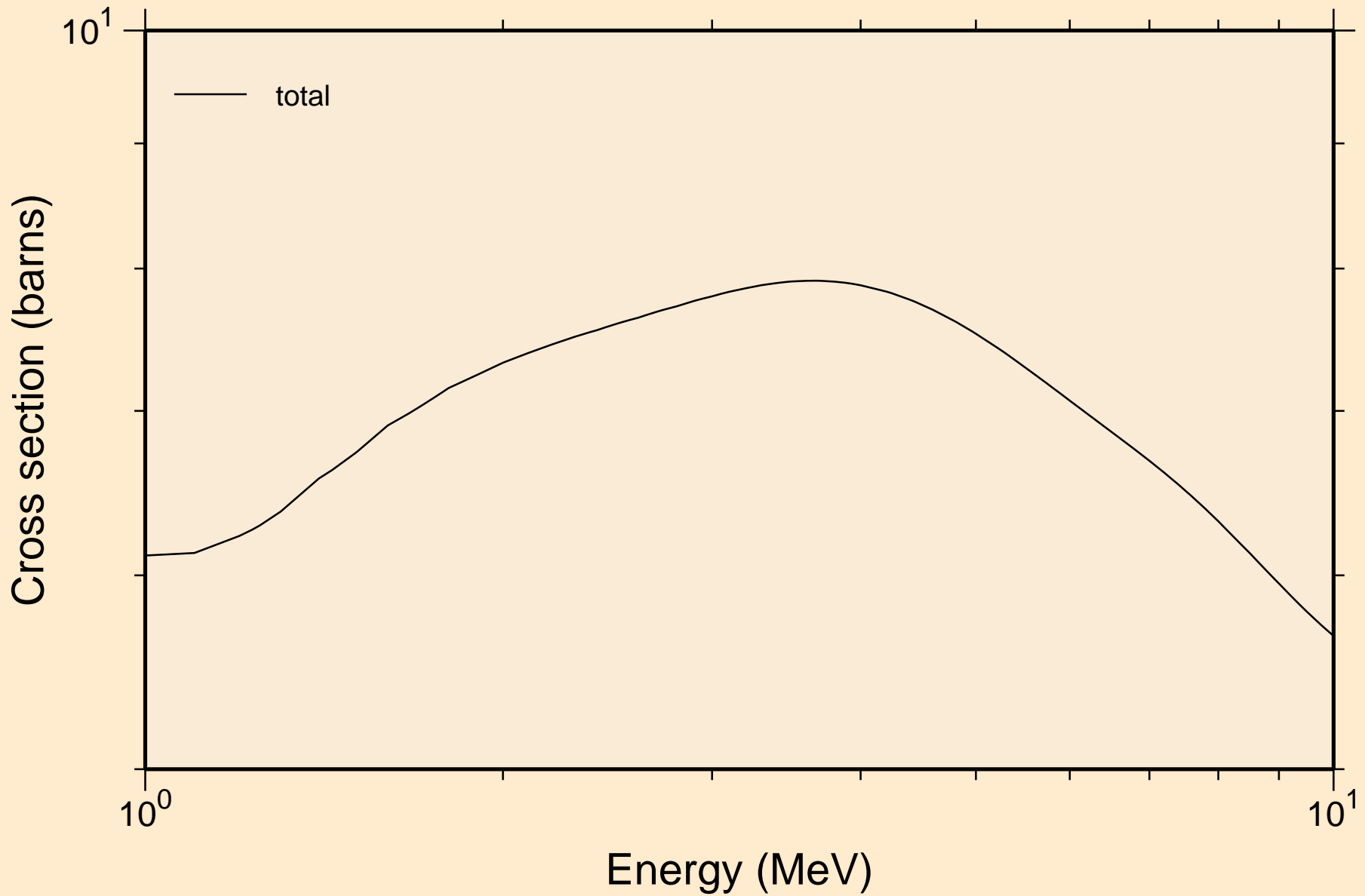
PA227 NRG TENDL-2015, AKONING  
resonance total cross section



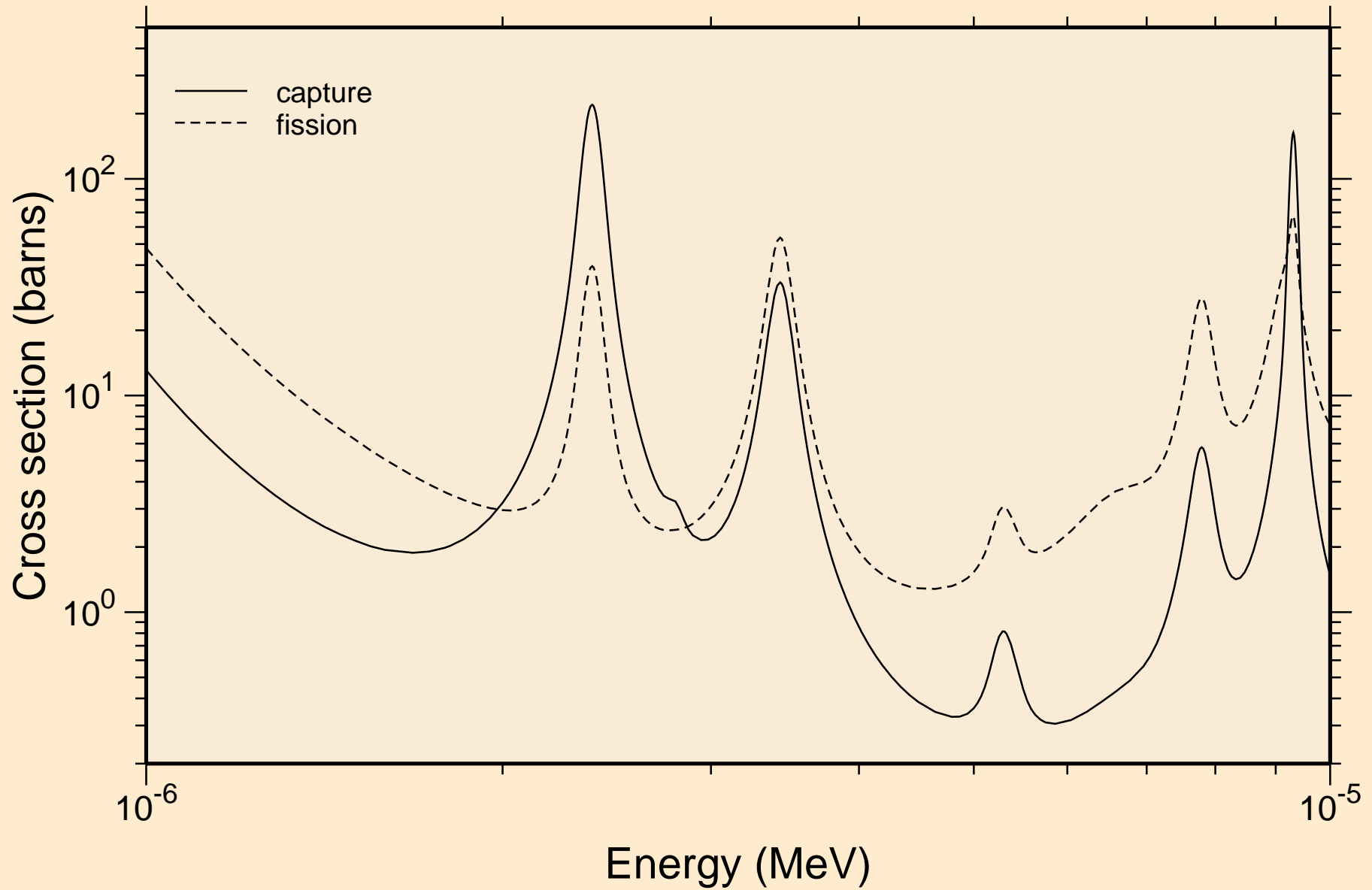
PA227 NRG TENDL-2015, AKONING  
resonance total cross section



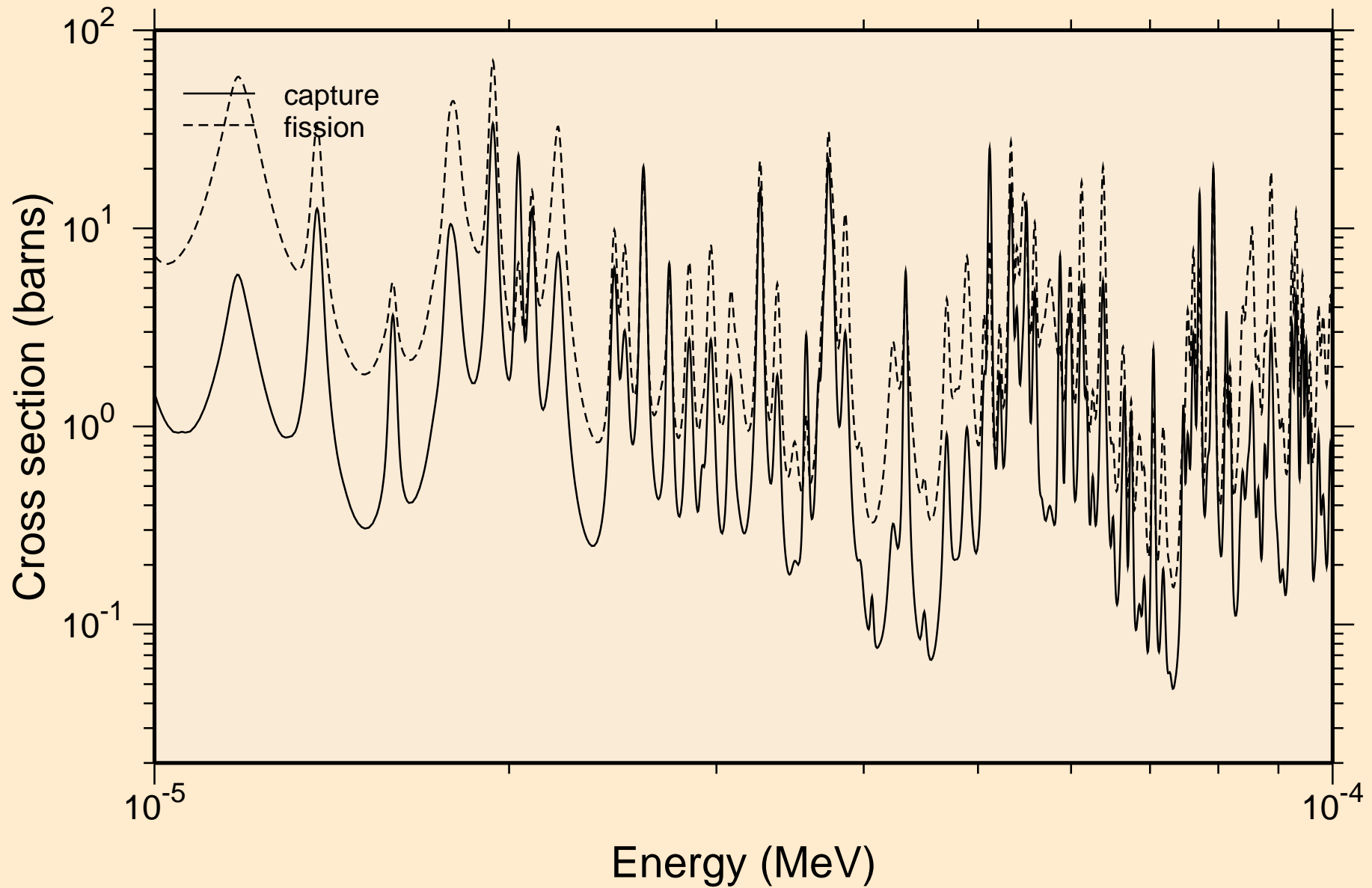
PA227 NRG TENDL-2015, AKONING  
resonance total cross section



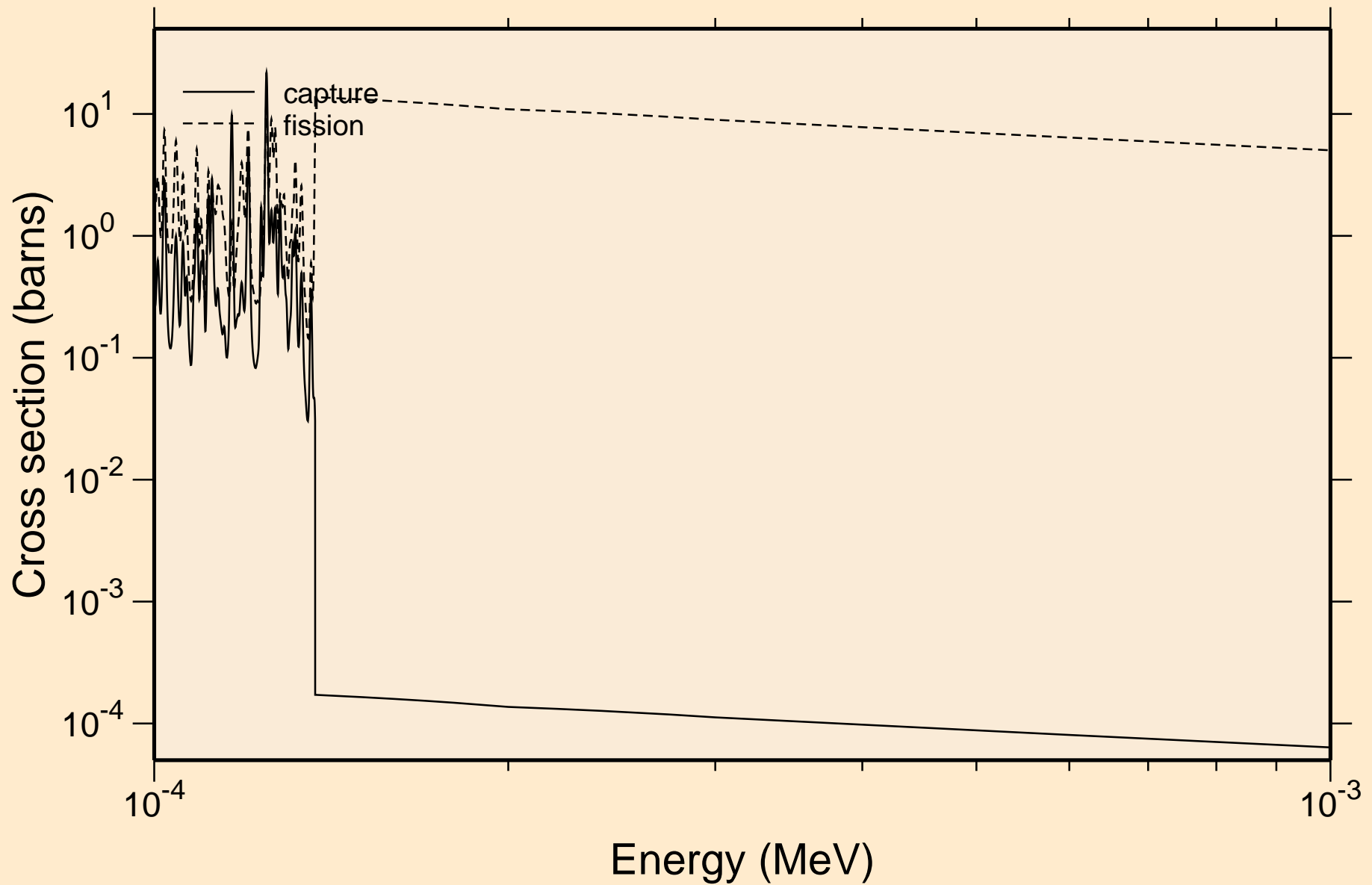
PA227 NRG TENDL-2015, AKONING  
resonance absorption cross sections



PA227 NRG TENDL-2015, AKONING  
resonance absorption cross sections

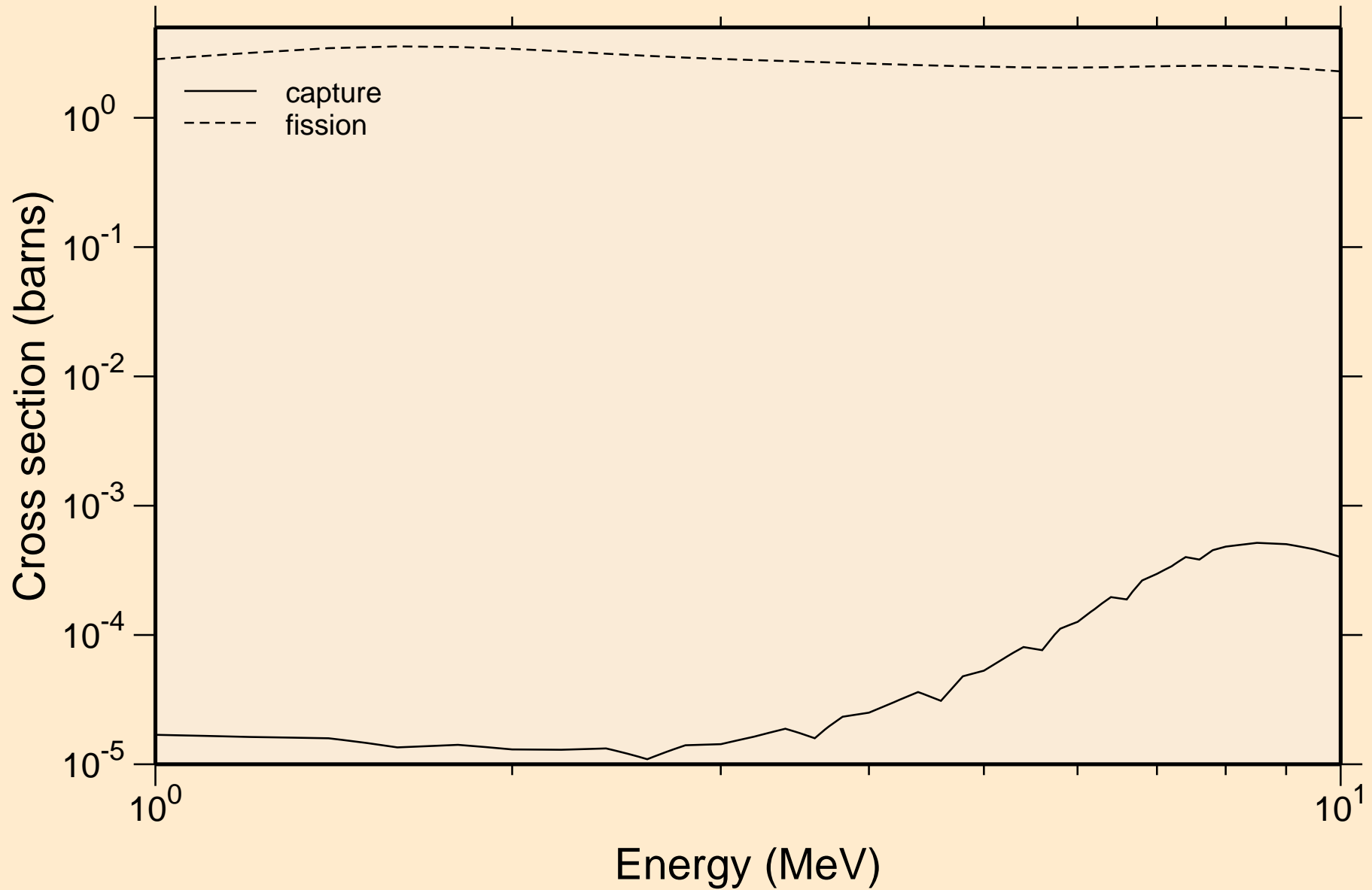


PA227 NRG TENDL-2015, AKONING  
resonance absorption cross sections



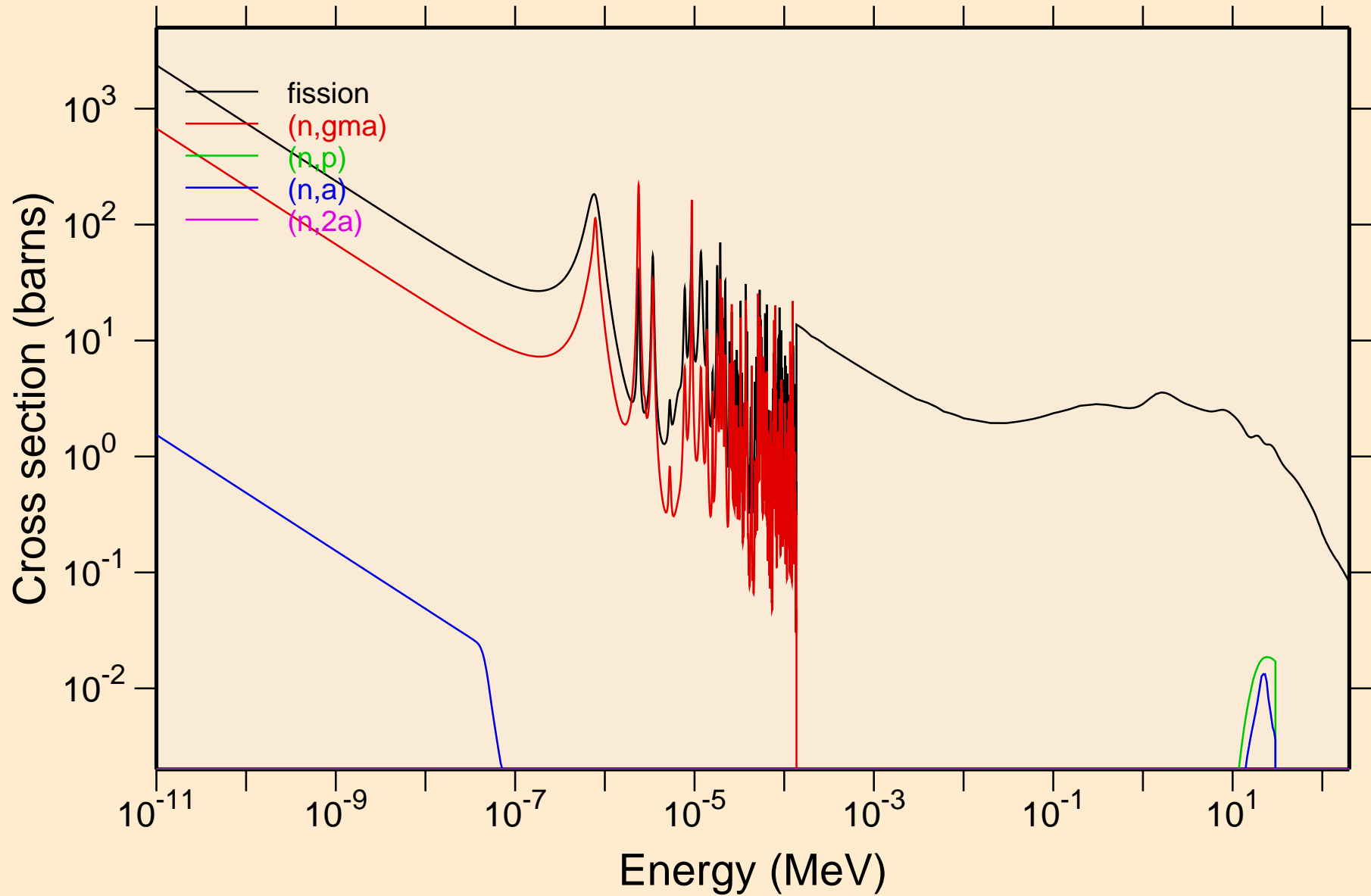


PA227 NRG TENDL-2015, AKONING  
resonance absorption cross sections

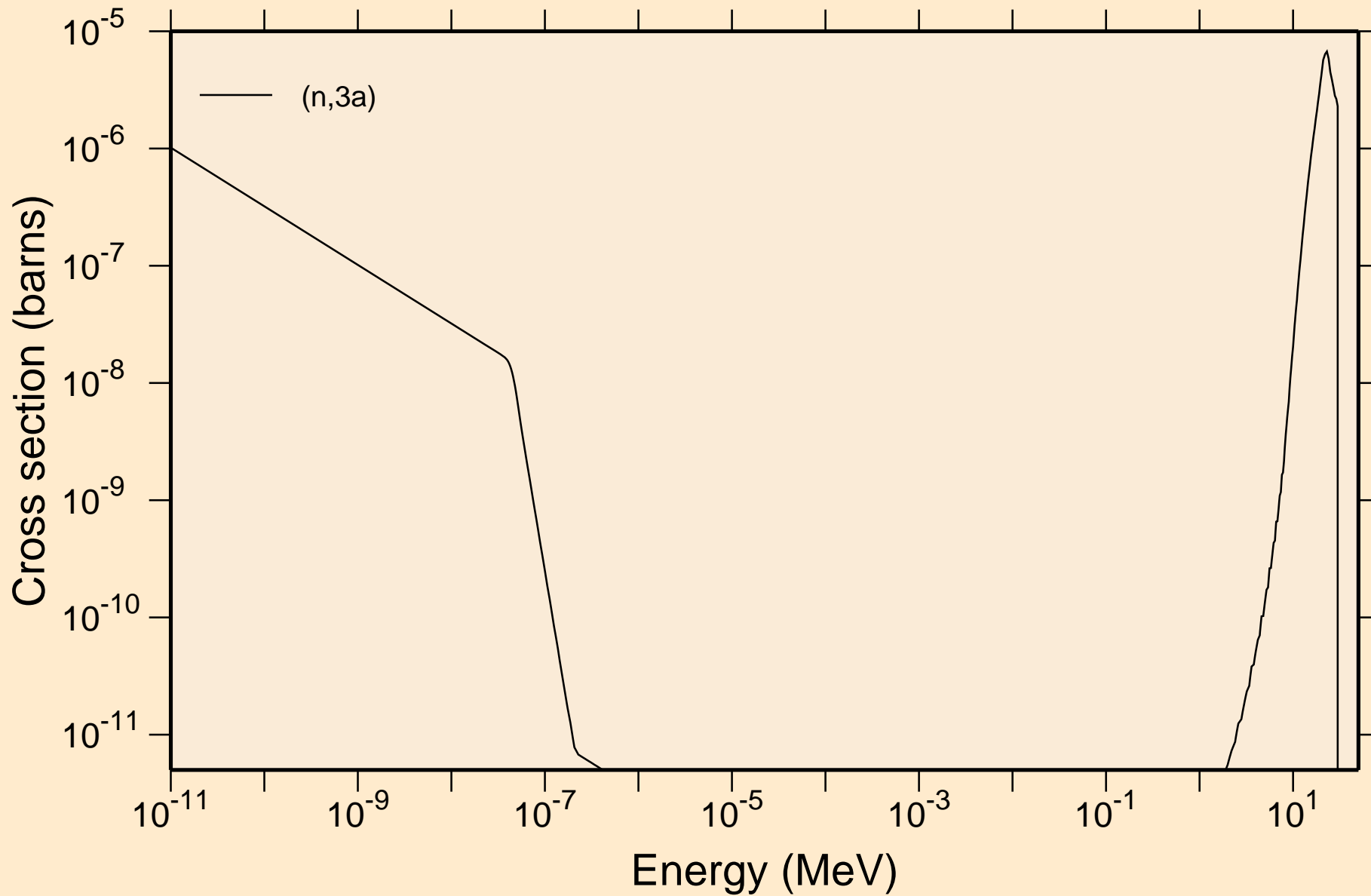


# PA227 NRG TENDL-2015, AKONING

## Non-threshold reactions

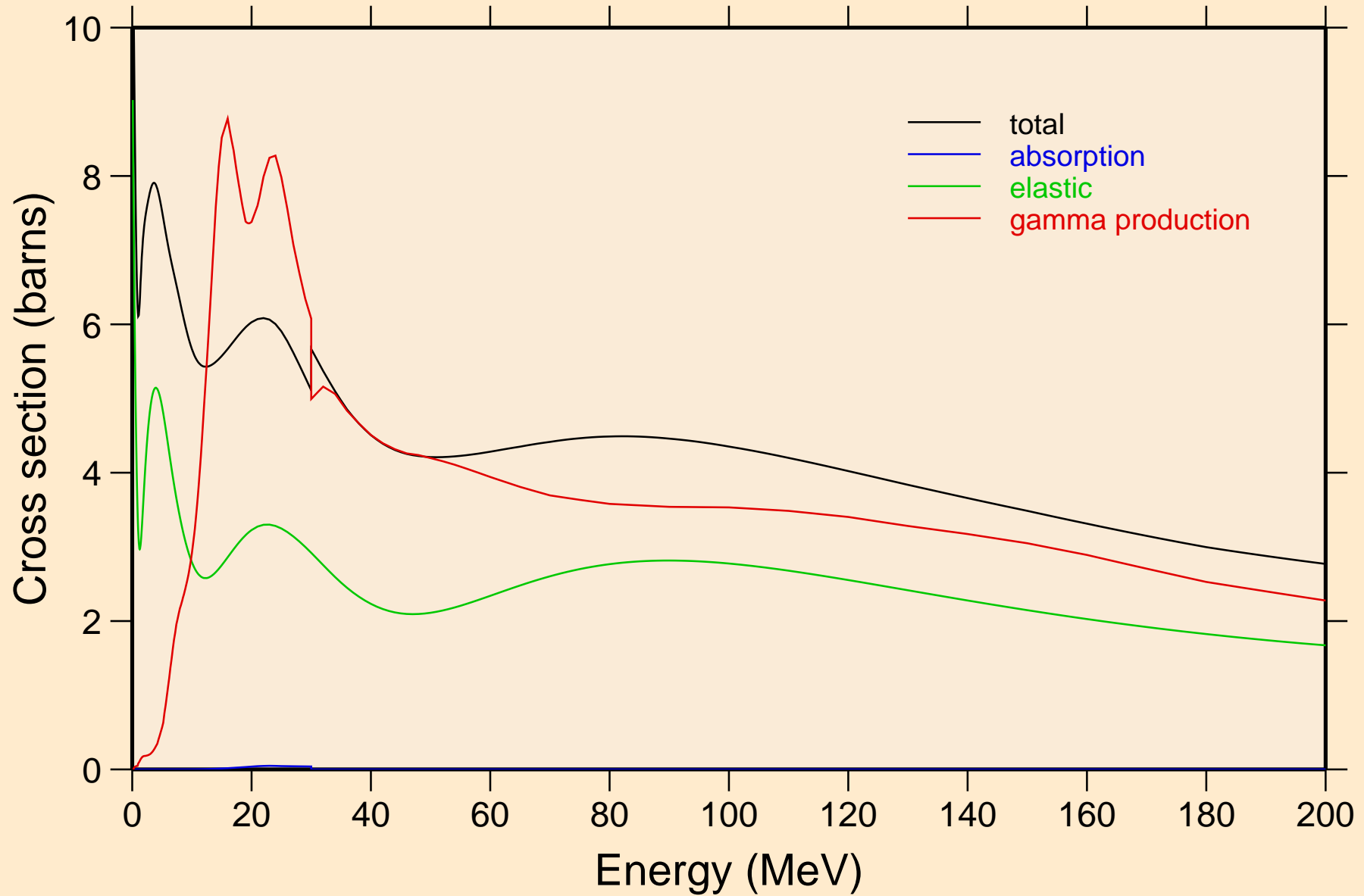


PA227 NRG TENDL-2015, AKONING  
Non-threshold reactions



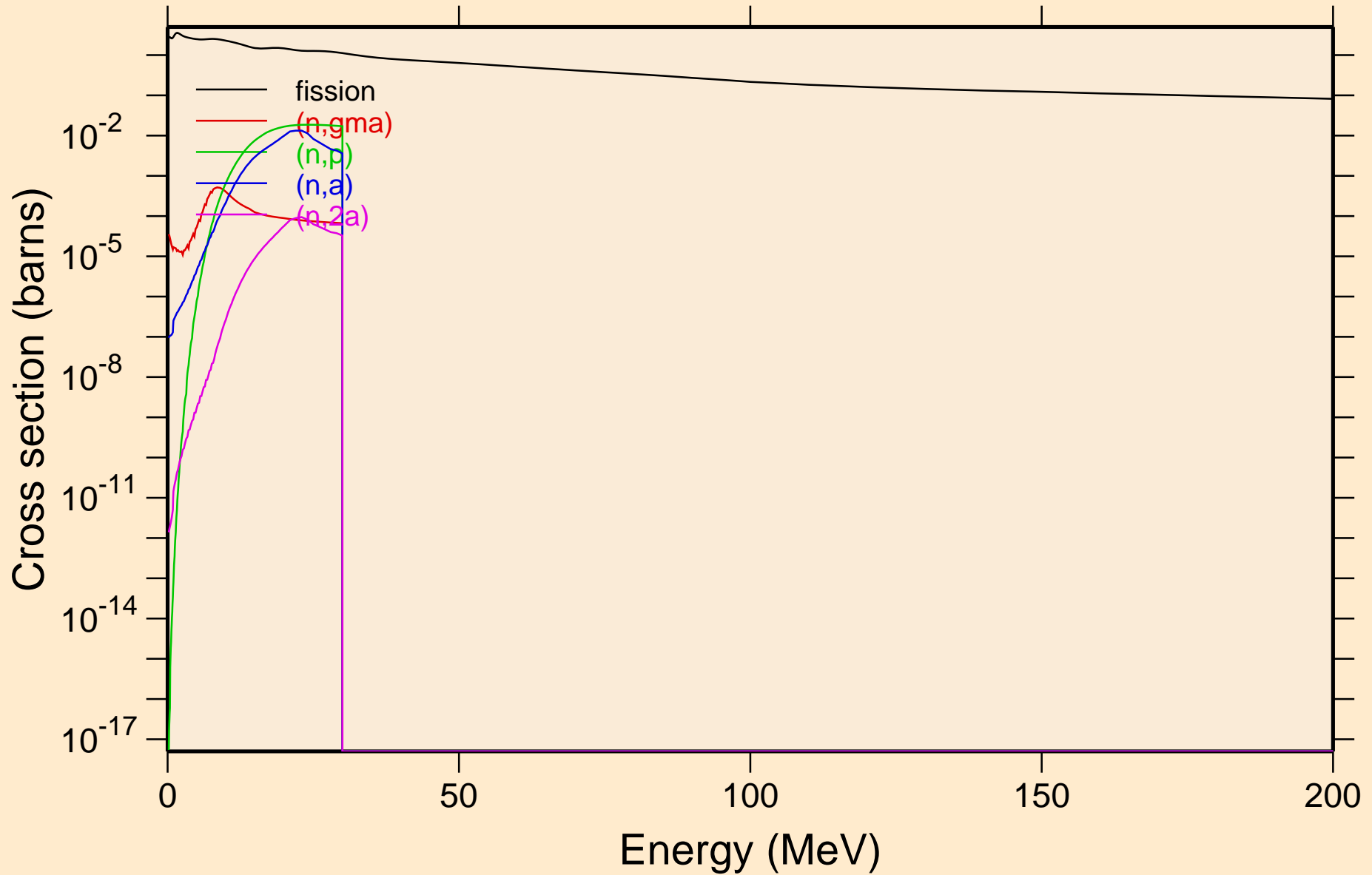
# PA227 NRG TENDL-2015, AKONING

## Principal cross sections

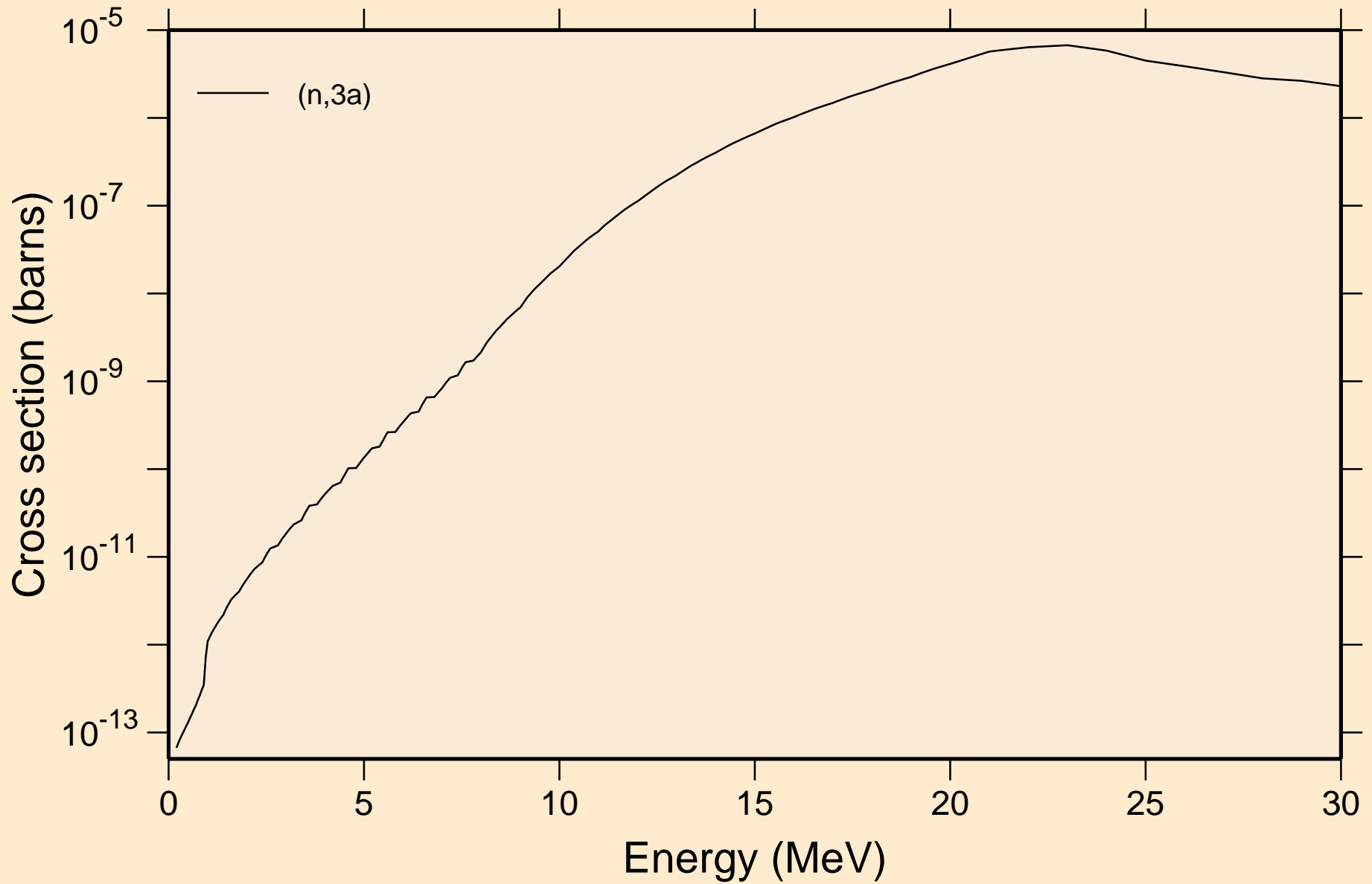


# PA227 NRG TENDL-2015, AKONING

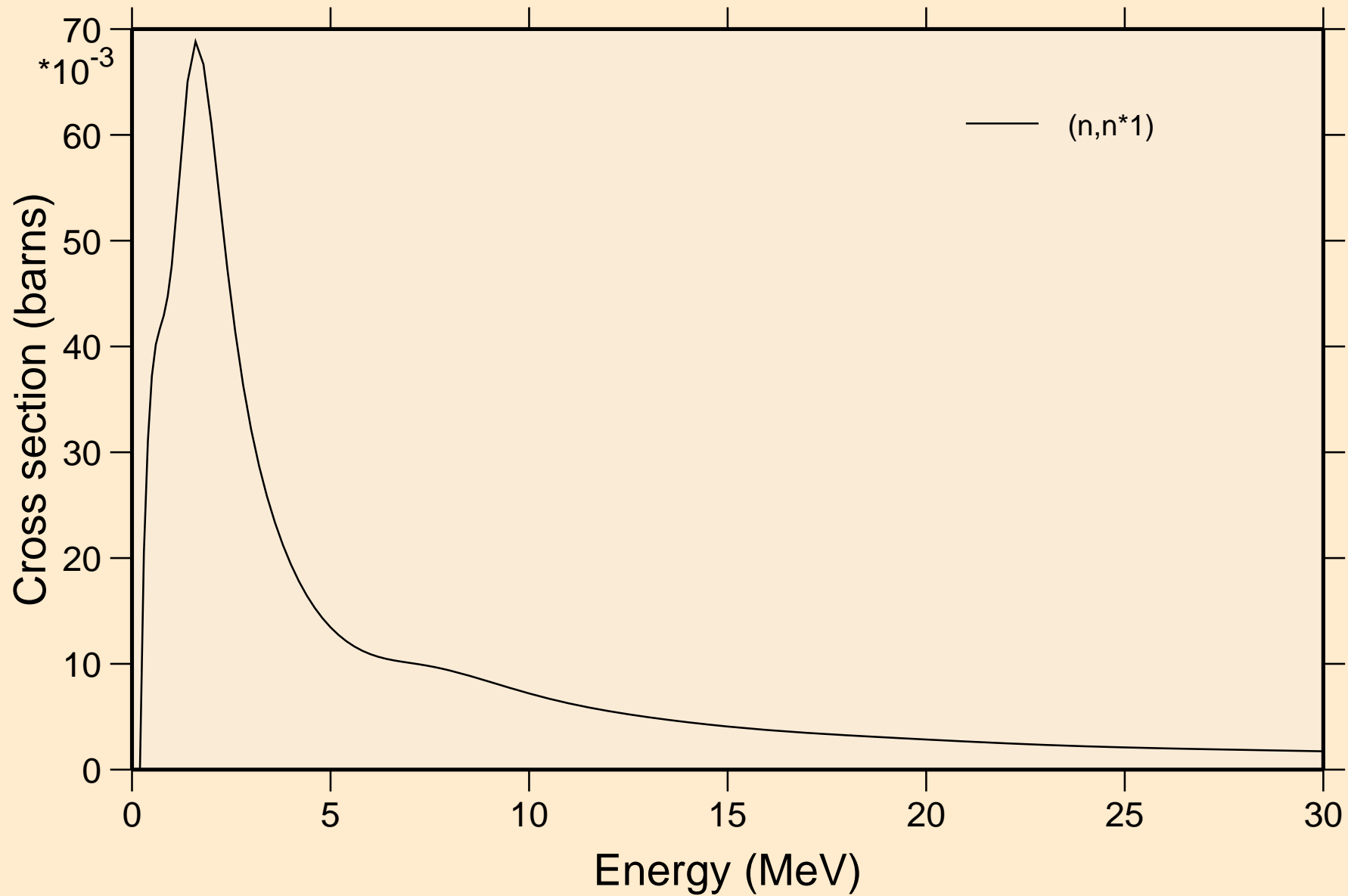
## Non-threshold reactions



PA227 NRG TENDL-2015, AKONING  
Non-threshold reactions

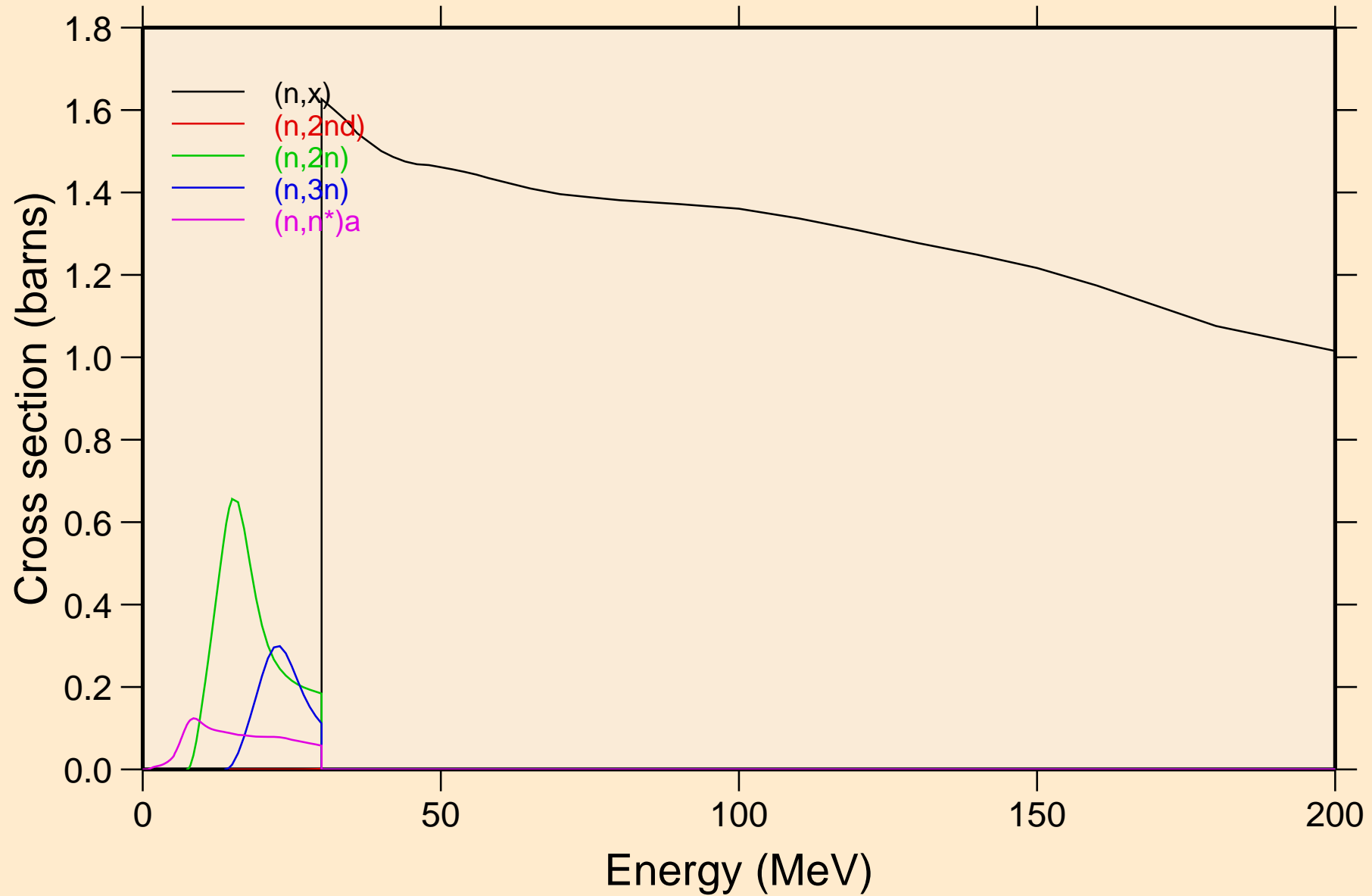


PA227 NRG TENDL-2015, AKONING  
Inelastic levels



# PA227 NRG TENDL-2015, AKONING

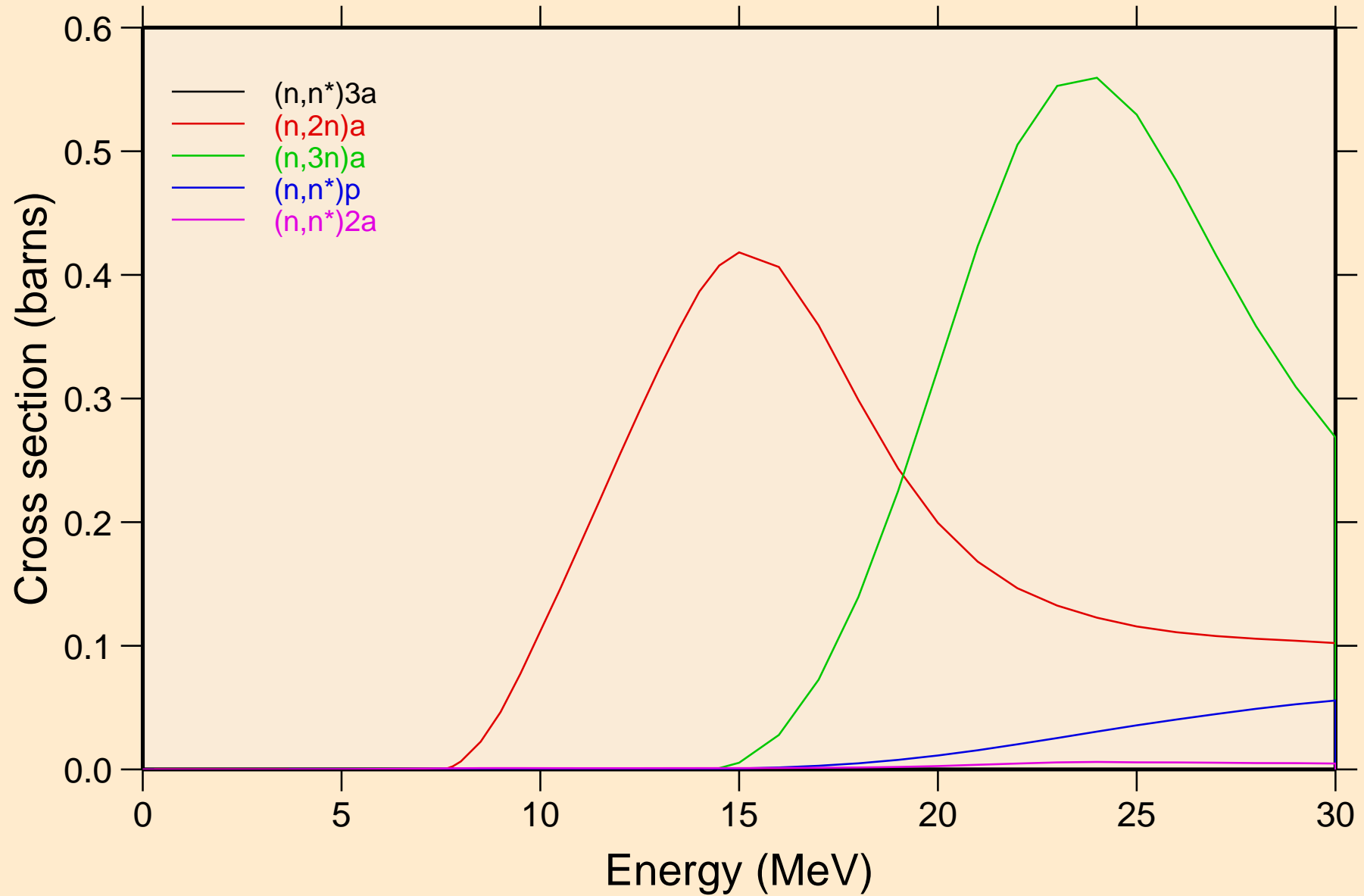
## Threshold reactions





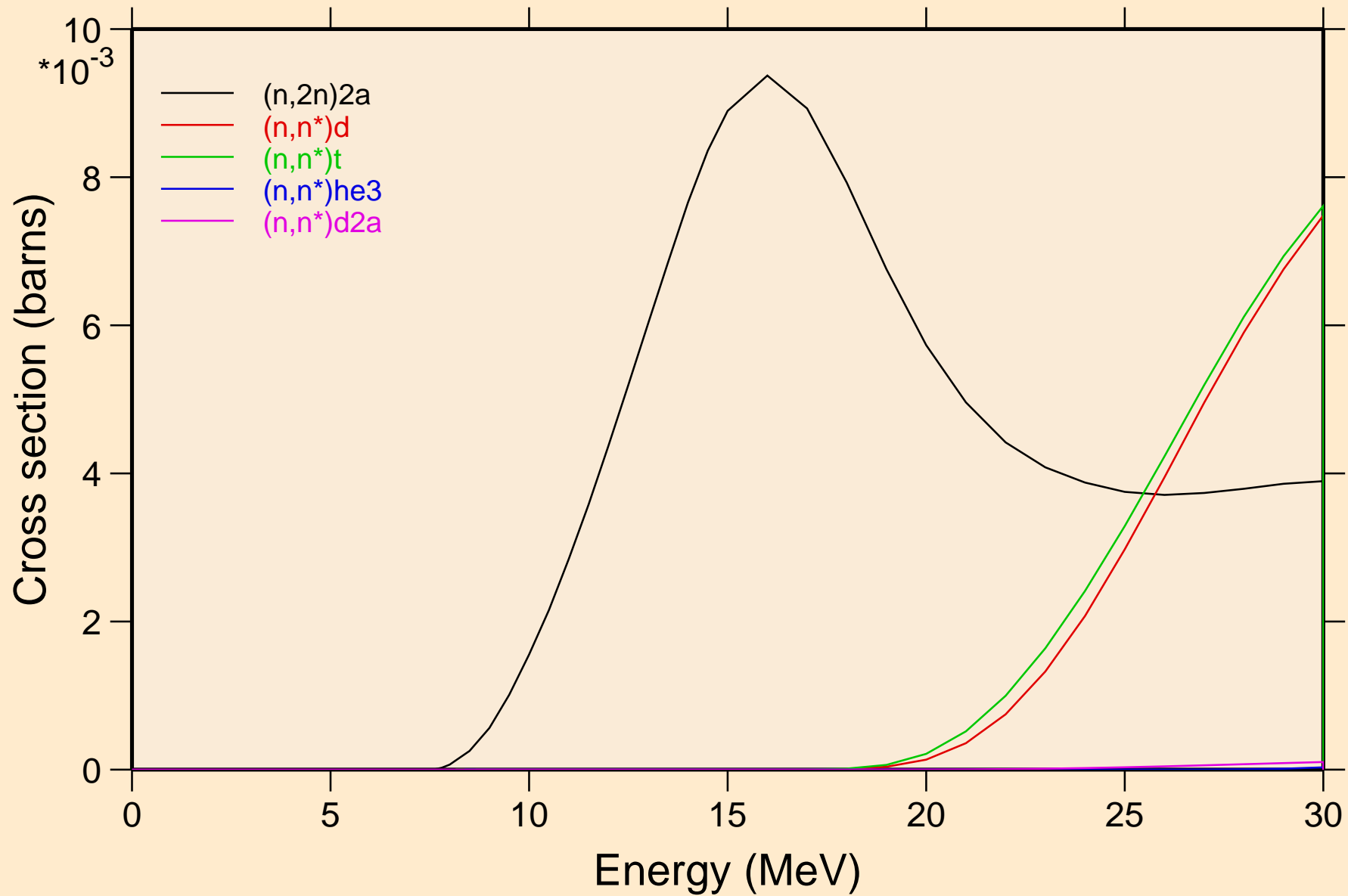
# PA227 NRG TENDL-2015, AKONING

## Threshold reactions



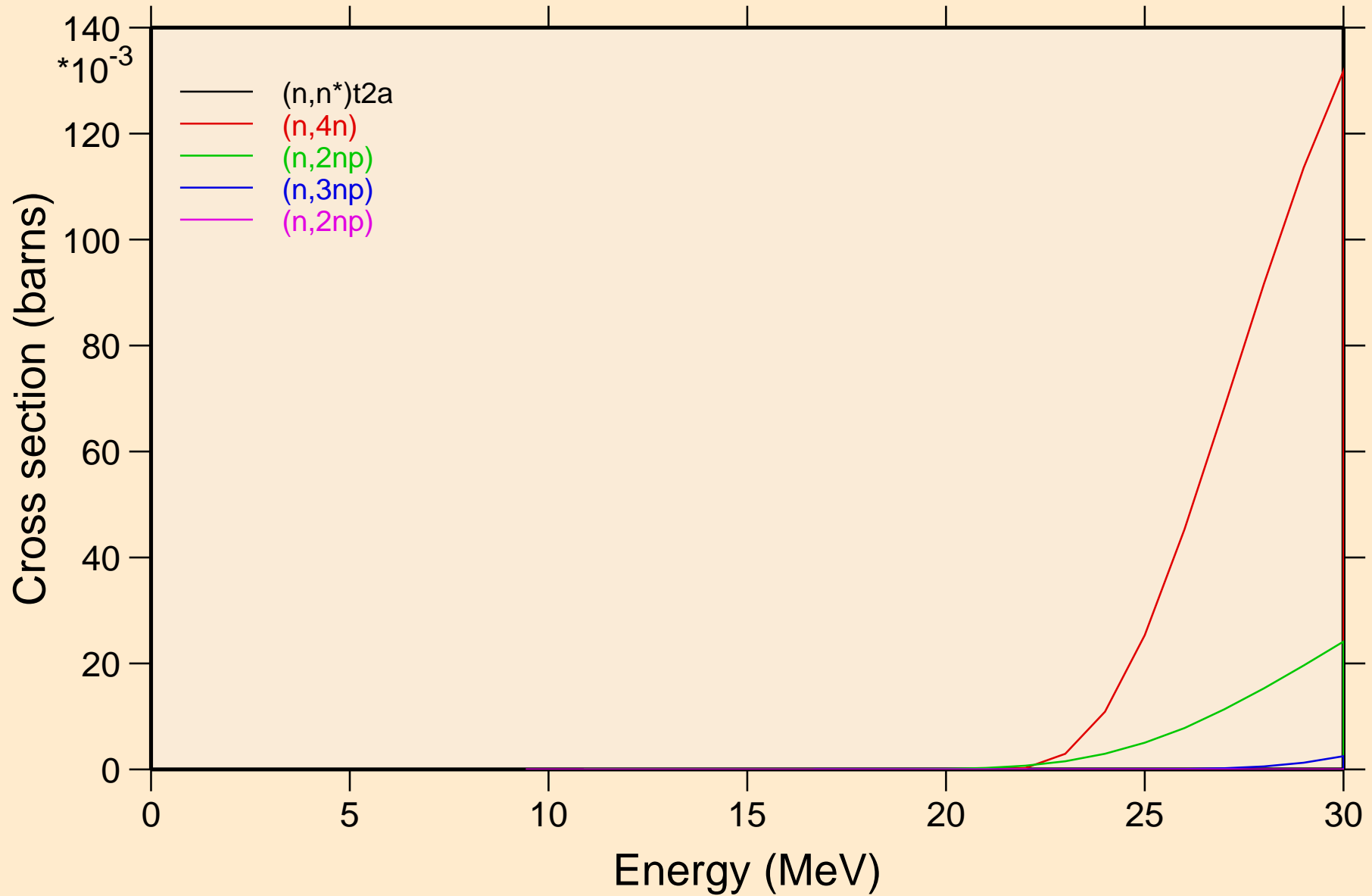
# PA227 NRG TENDL-2015, AKONING

## Threshold reactions



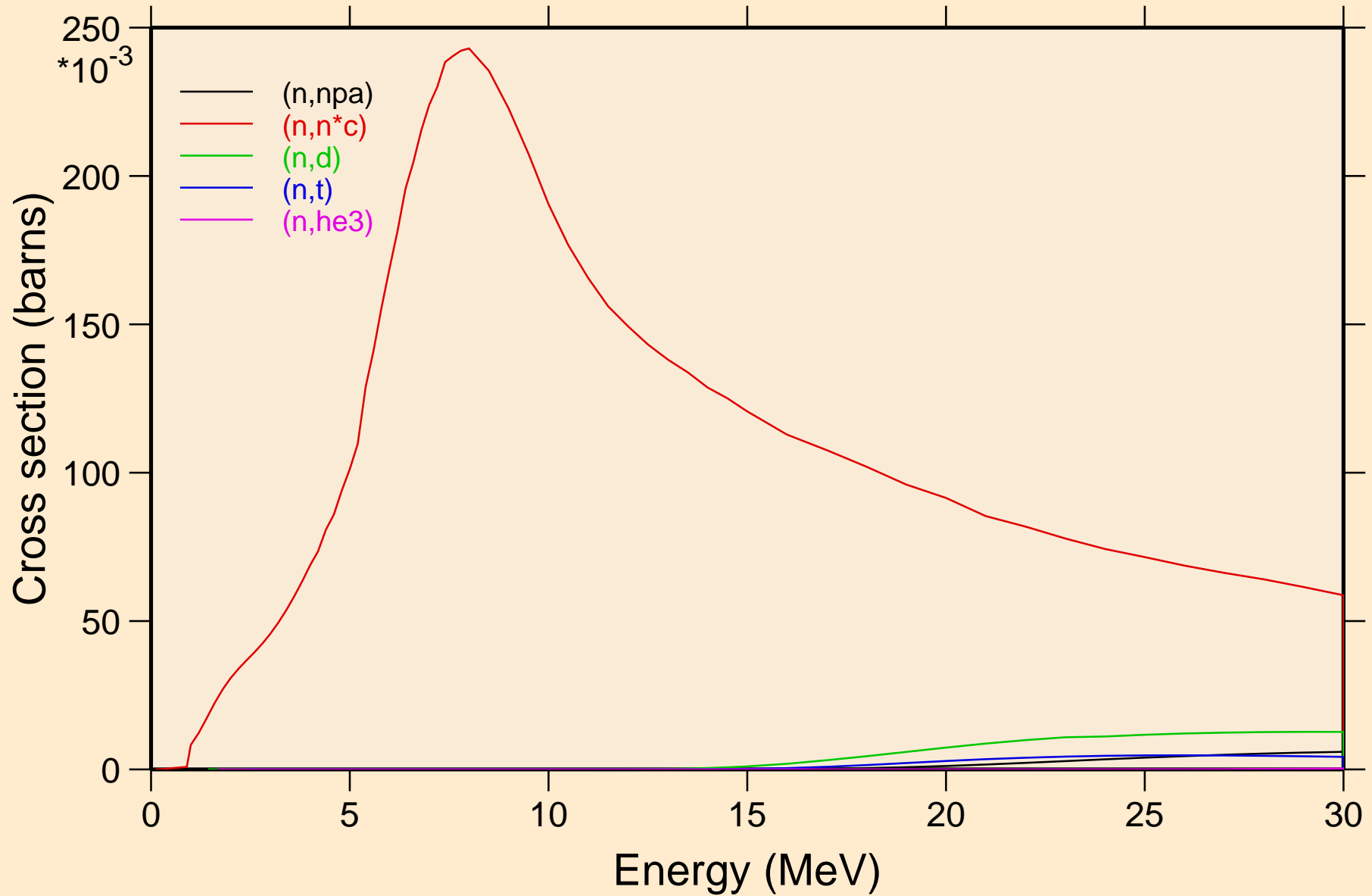
# PA227 NRG TENDL-2015, AKONING

## Threshold reactions



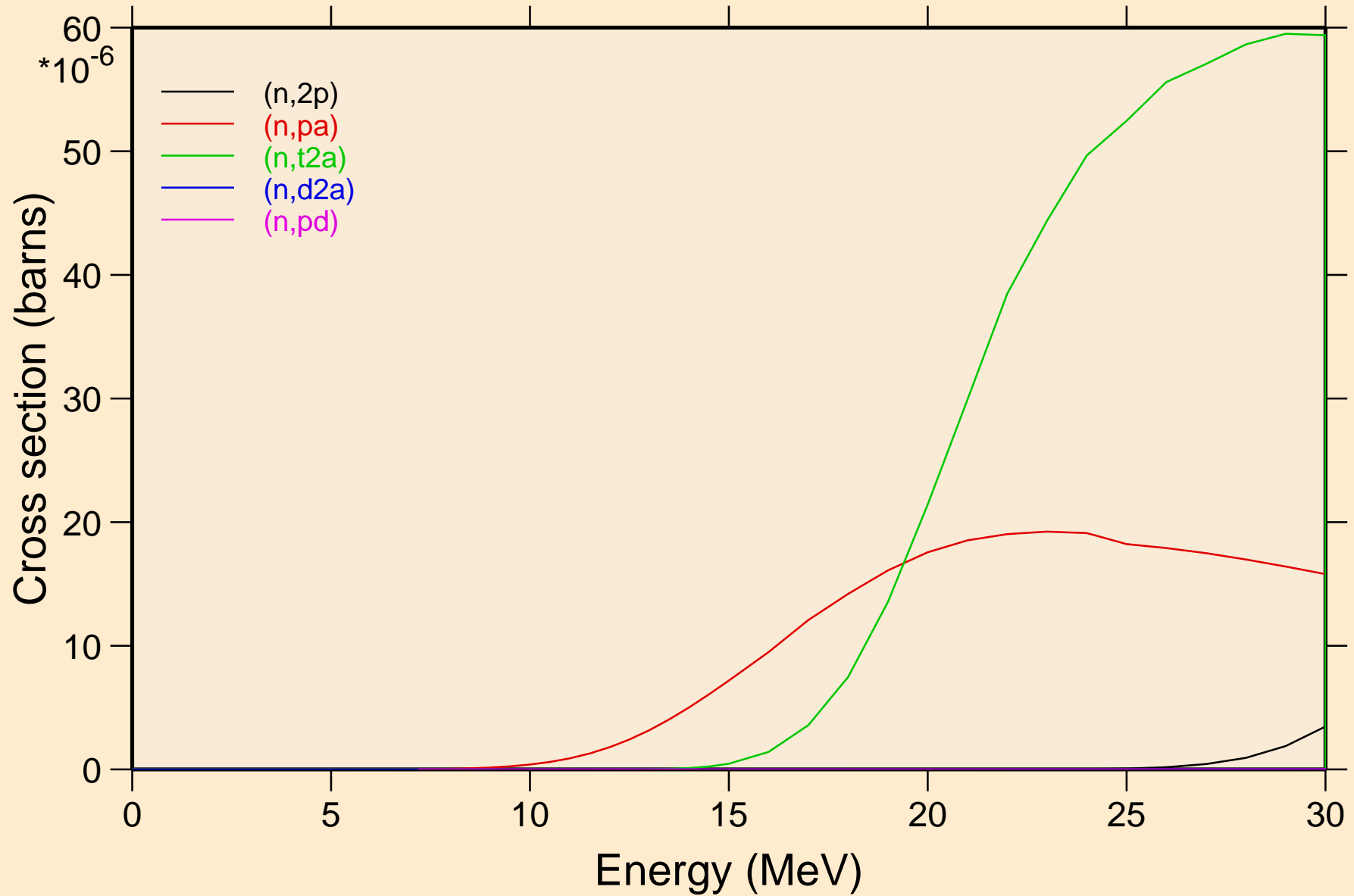
# PA227 NRG TENDL-2015, AKONING

## Threshold reactions



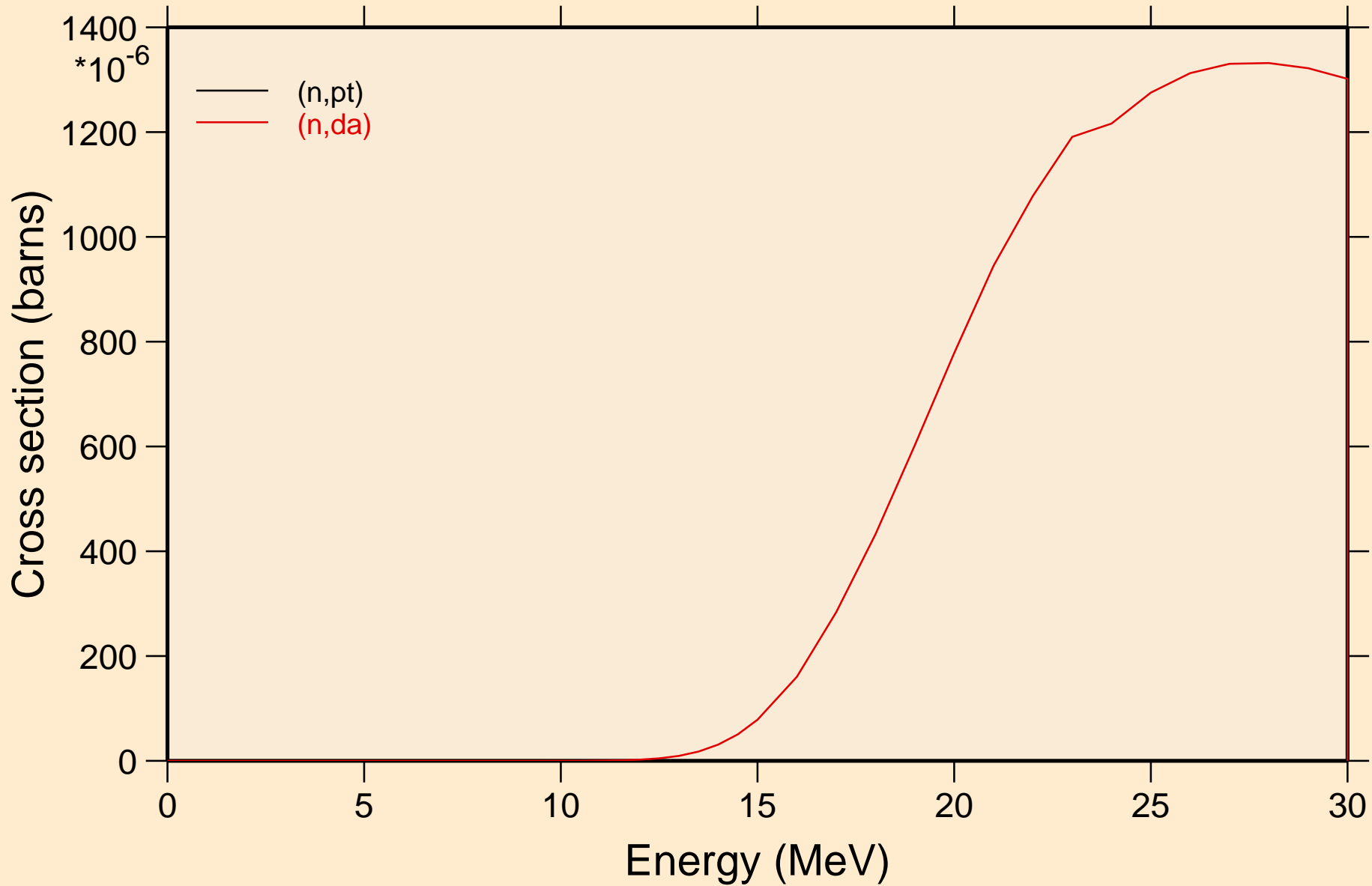
# PA227 NRG TENDL-2015, AKONING

## Threshold reactions

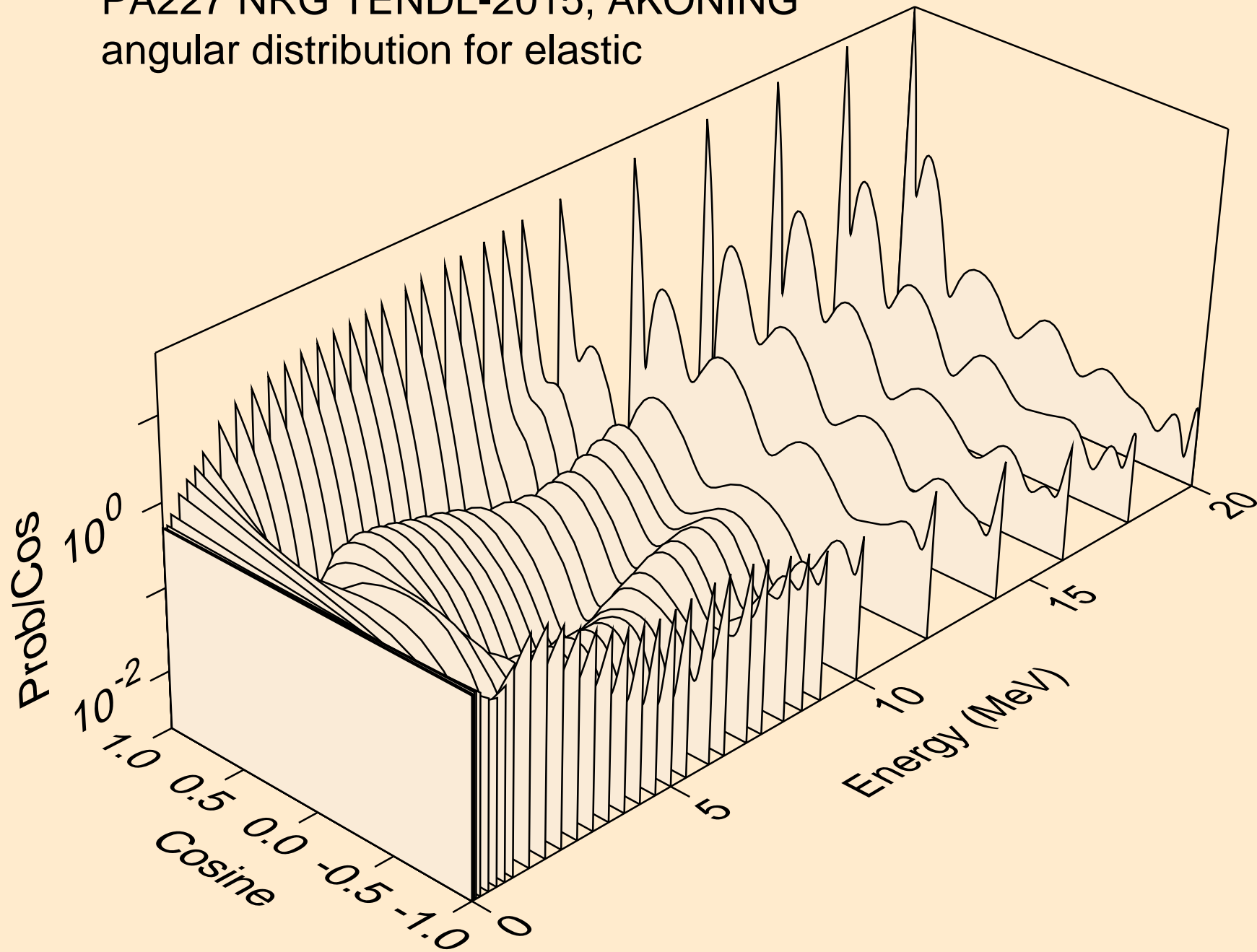


# PA227 NRG TENDL-2015, AKONING

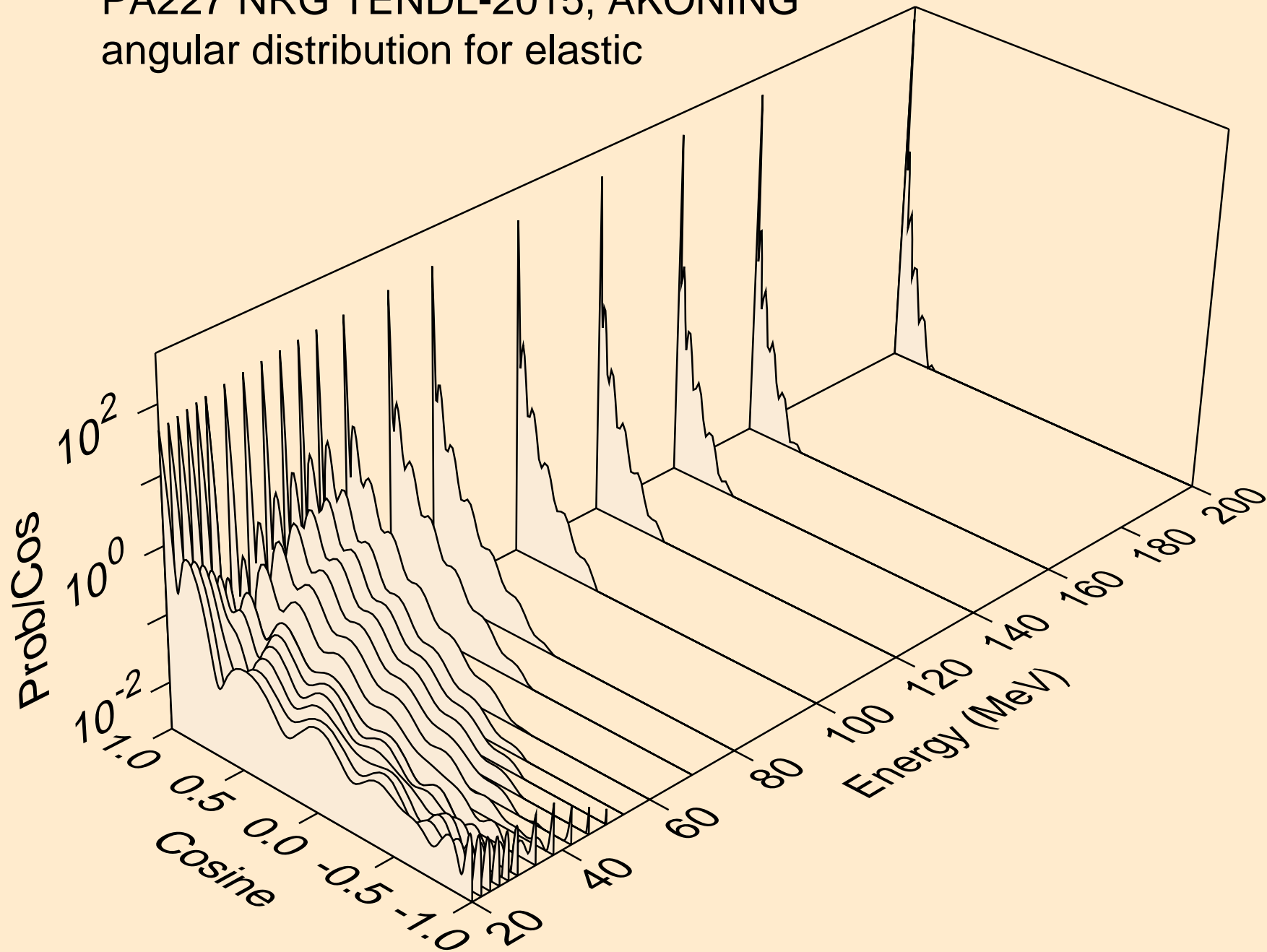
## Threshold reactions



PA227 NRG TENDL-2015, AKONING  
angular distribution for elastic

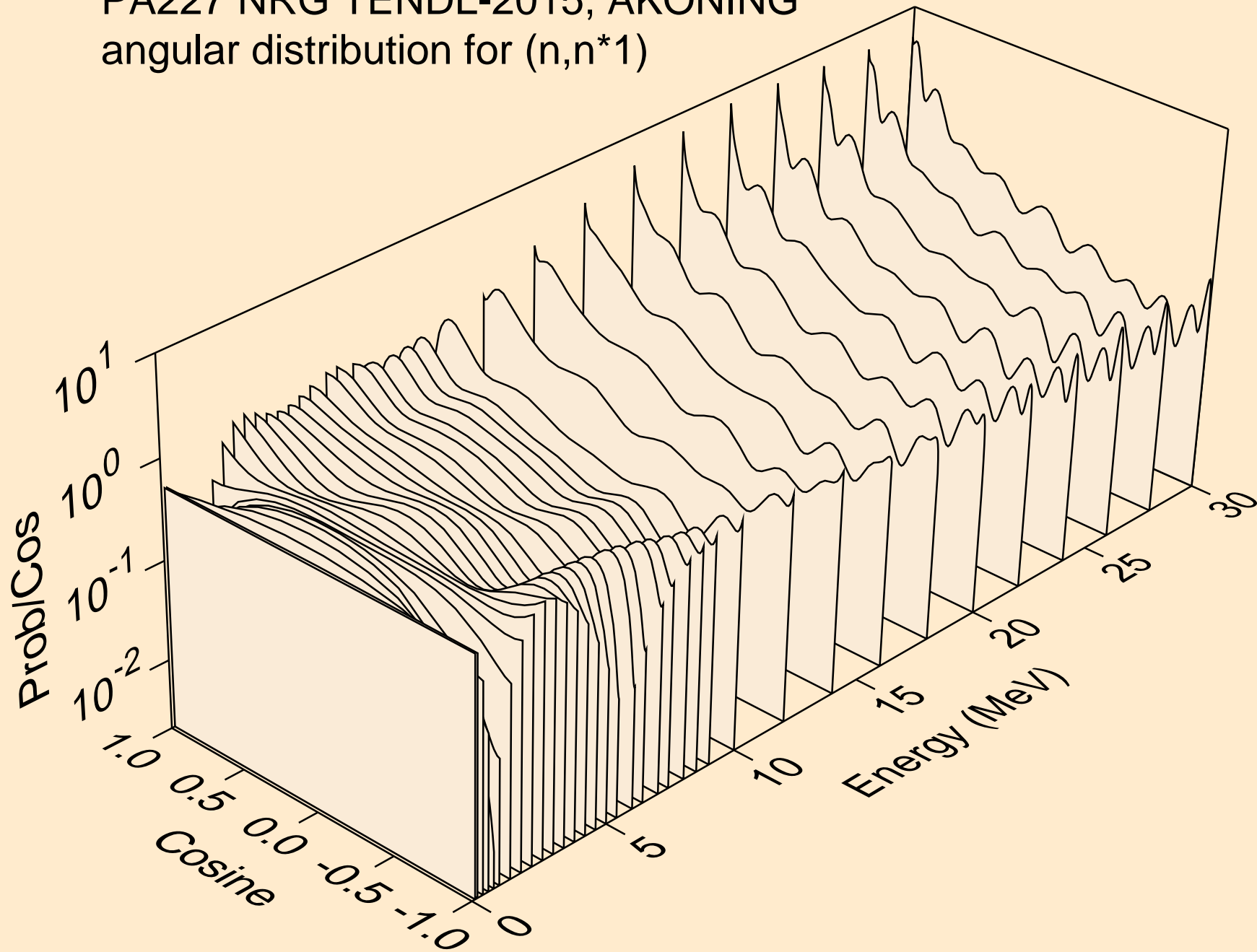


PA227 NRG TENDL-2015, AKONING  
angular distribution for elastic



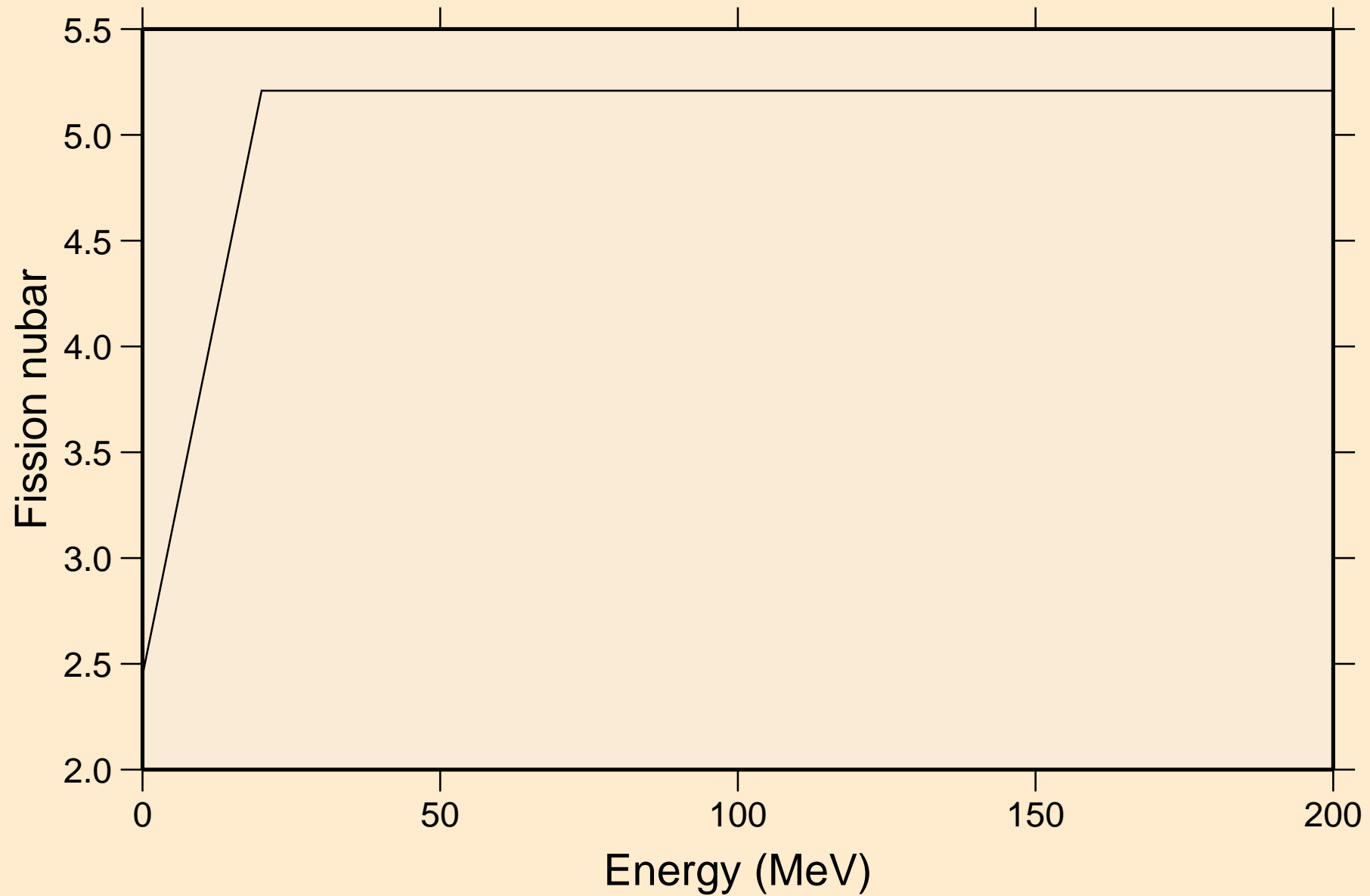


PA227 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

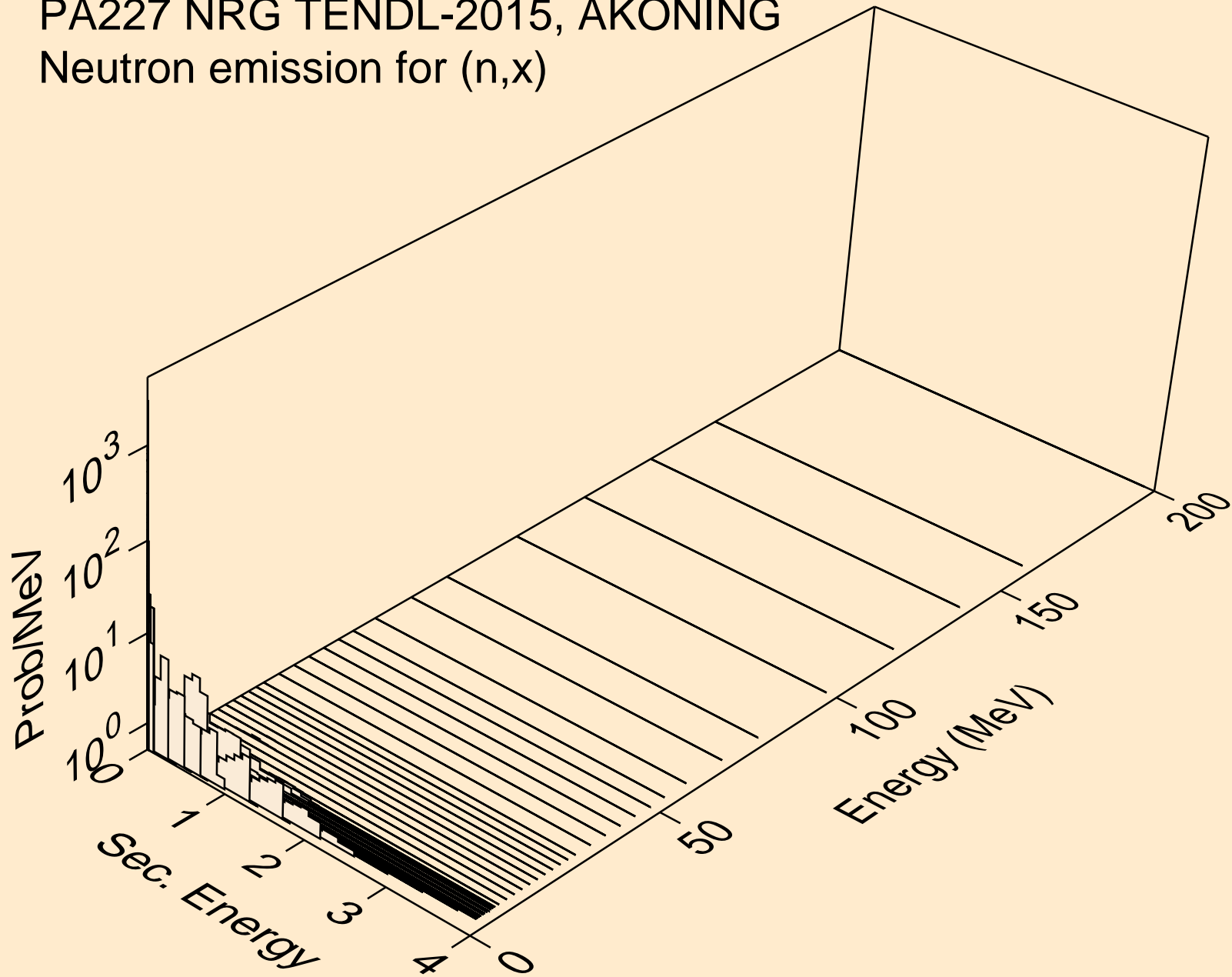


# PA227 NRG TENDL-2015, AKONING

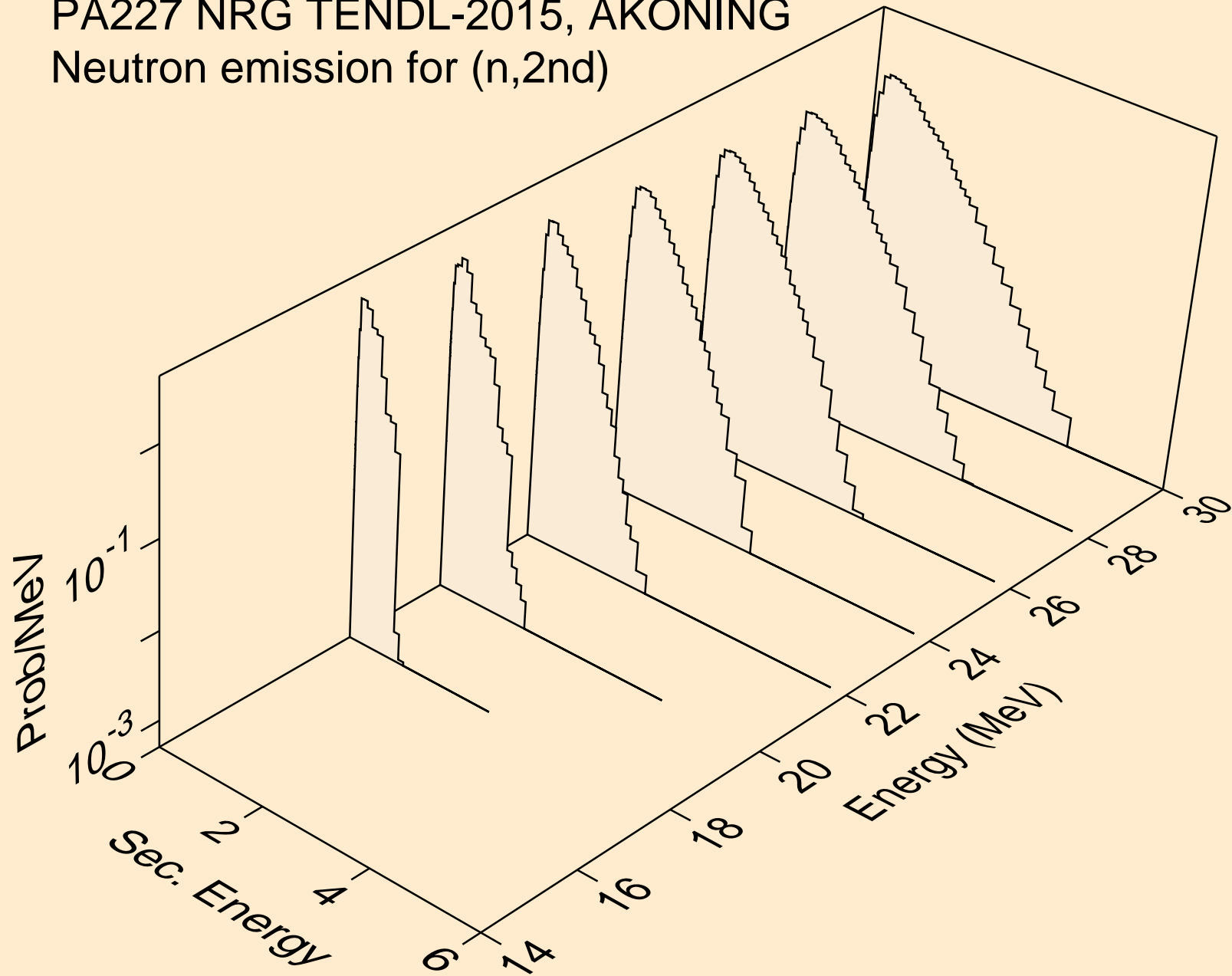
Total fission nubar



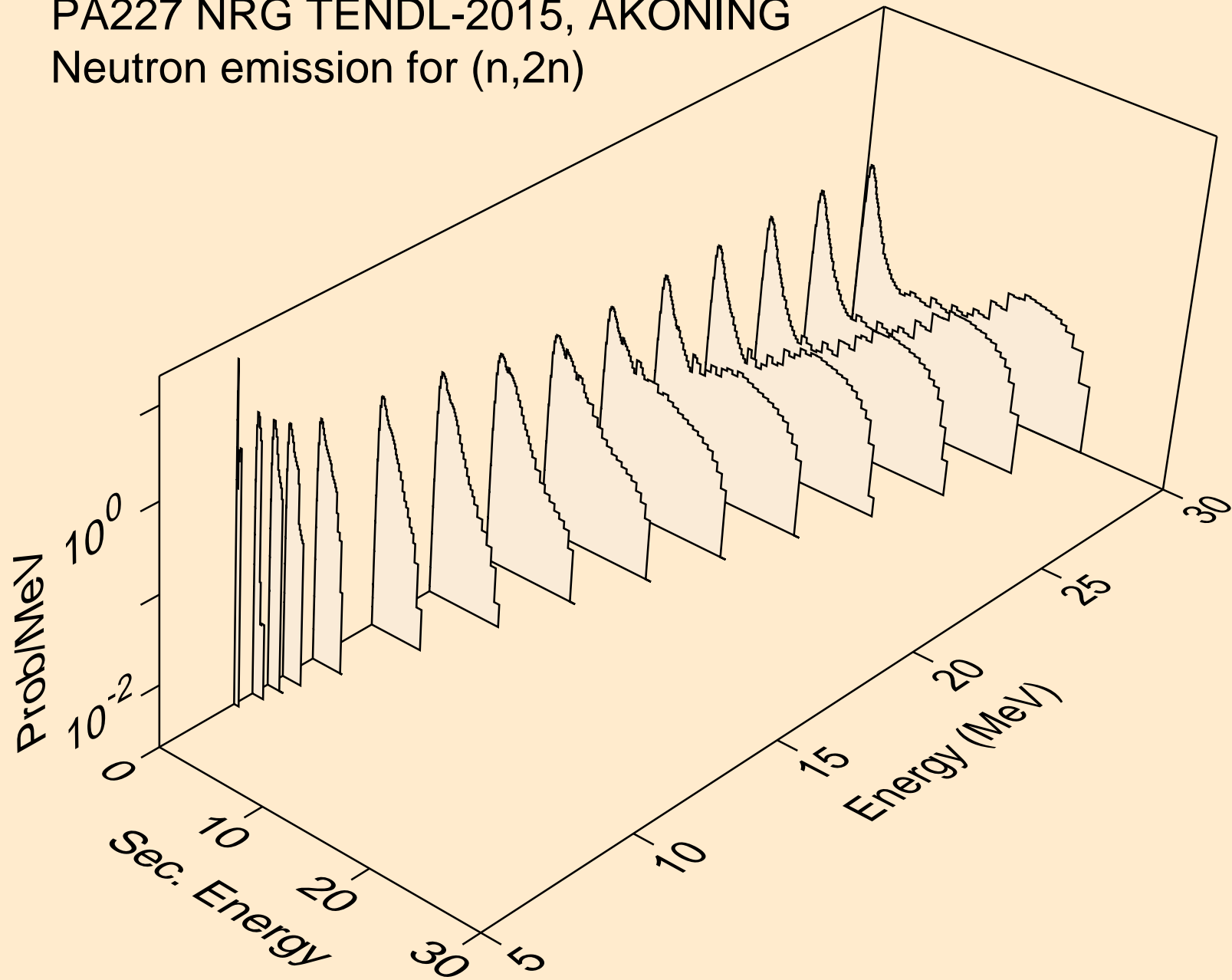
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



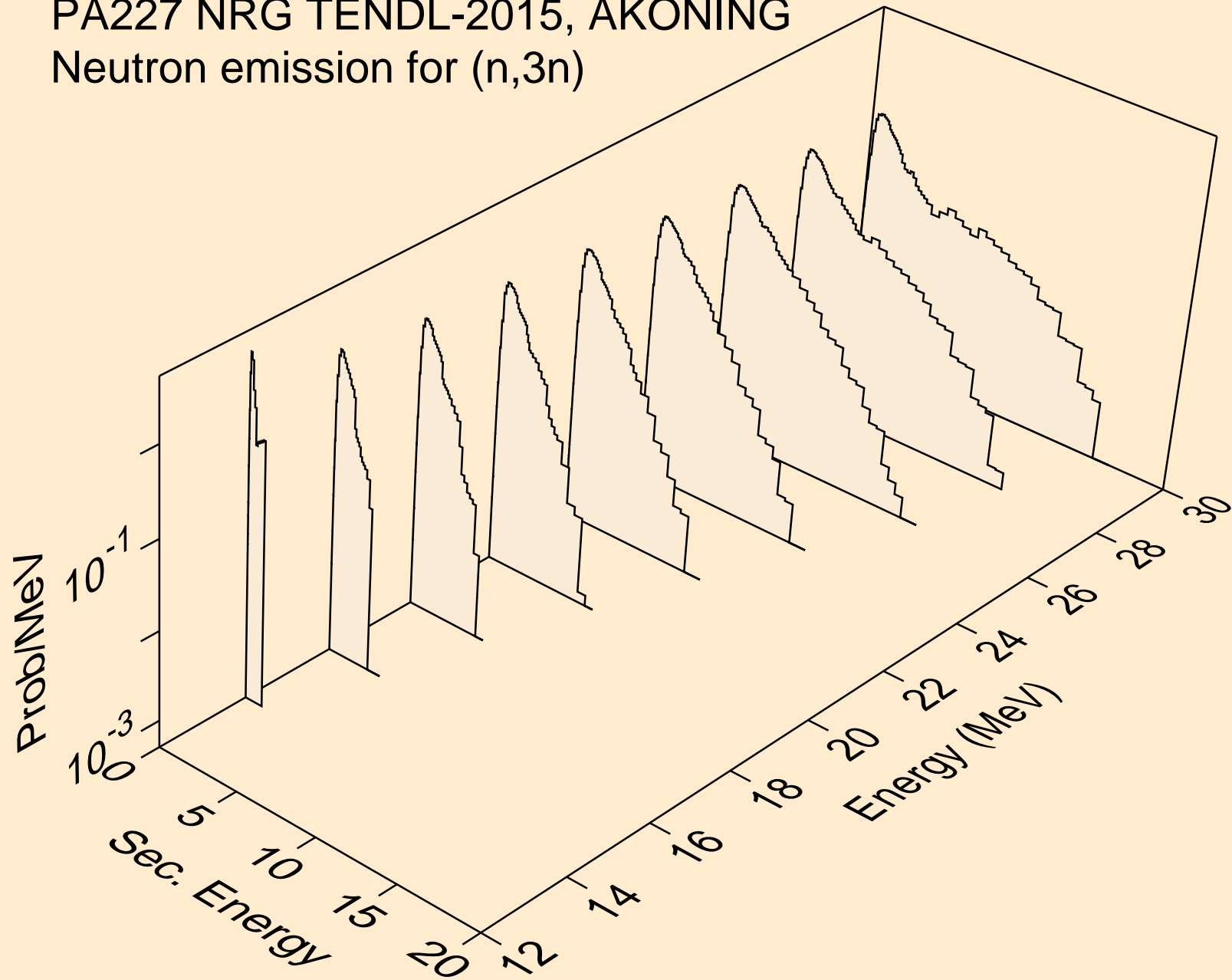
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



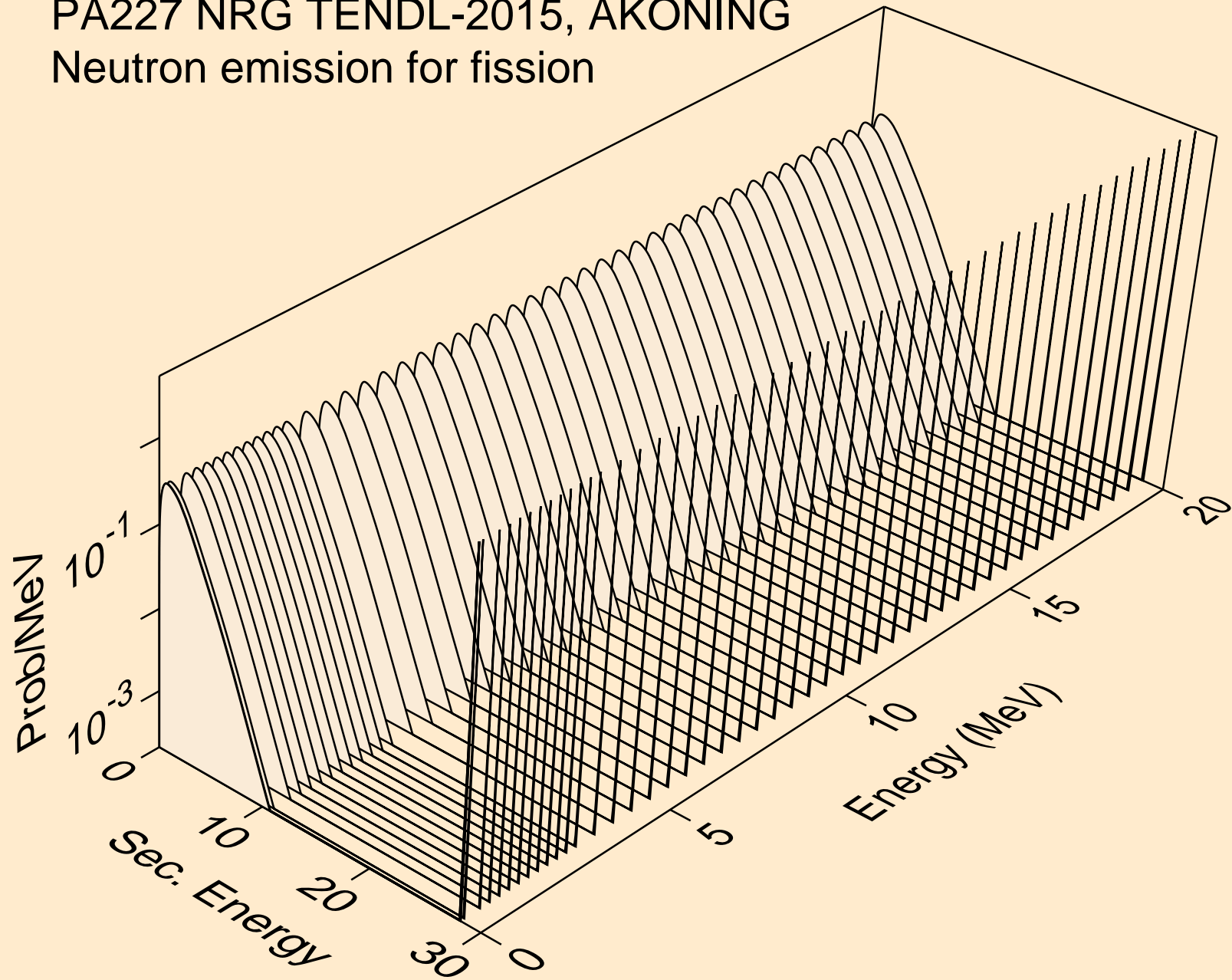
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



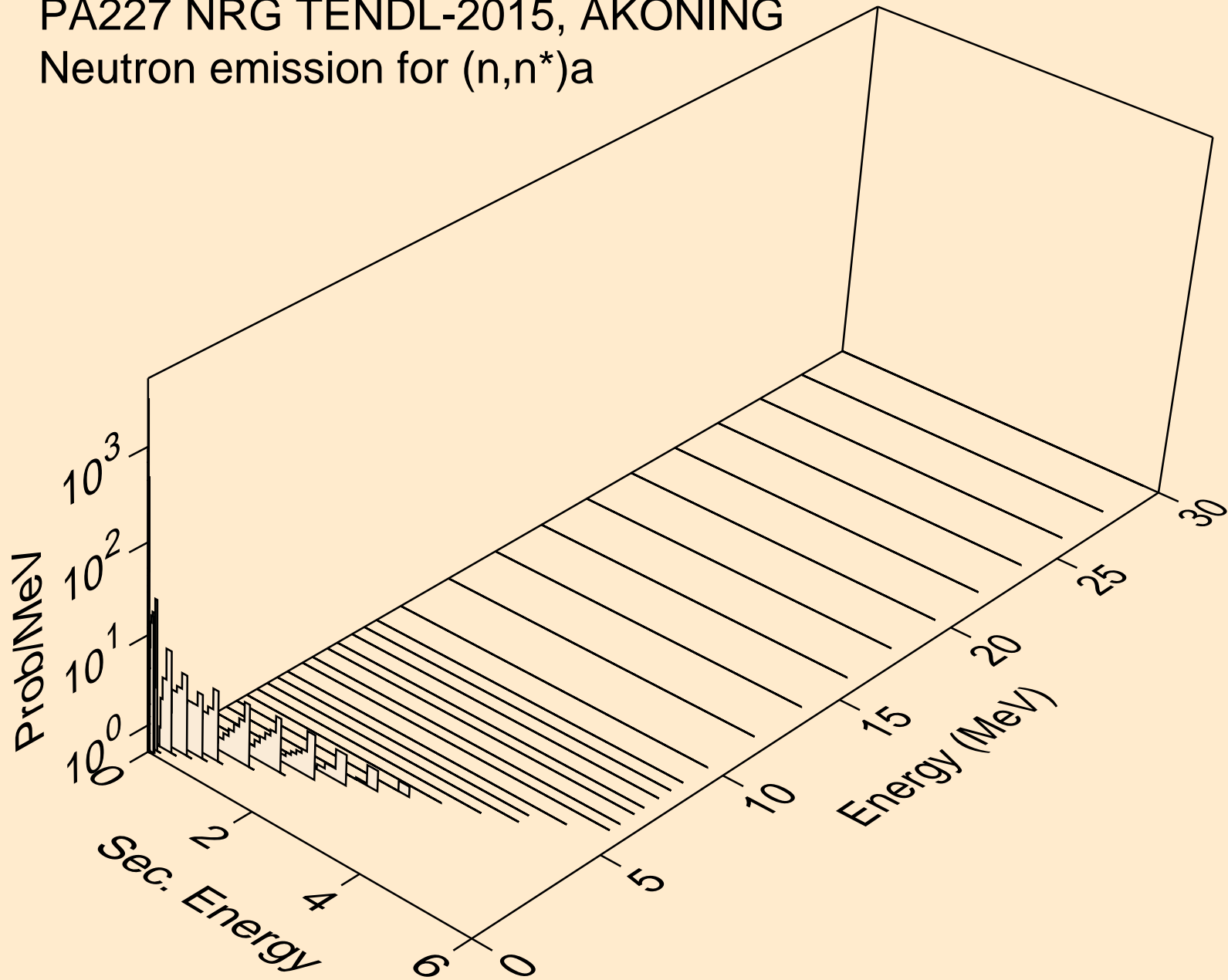
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



PA227 NRG TENDL-2015, AKONING  
Neutron emission for fission

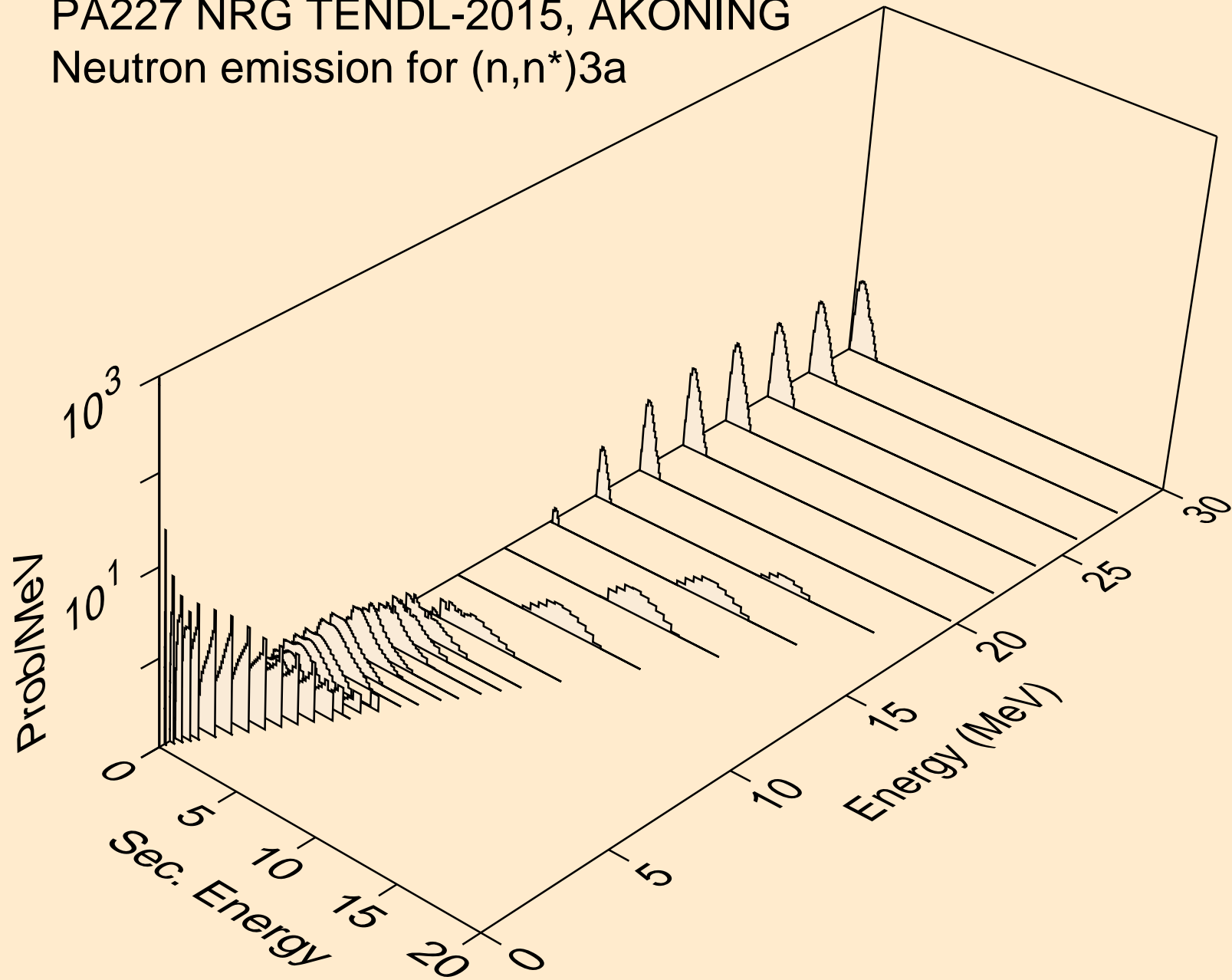


PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

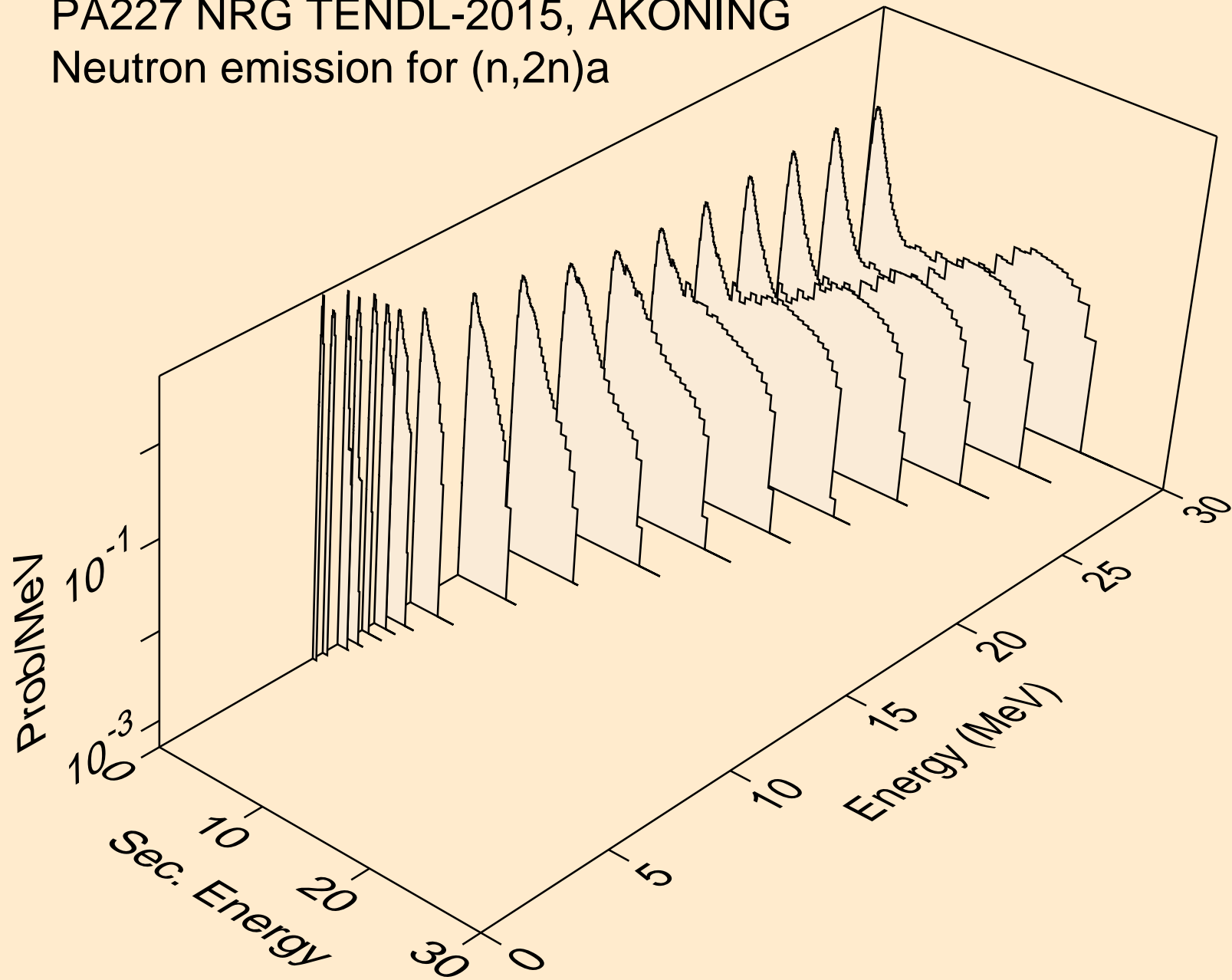




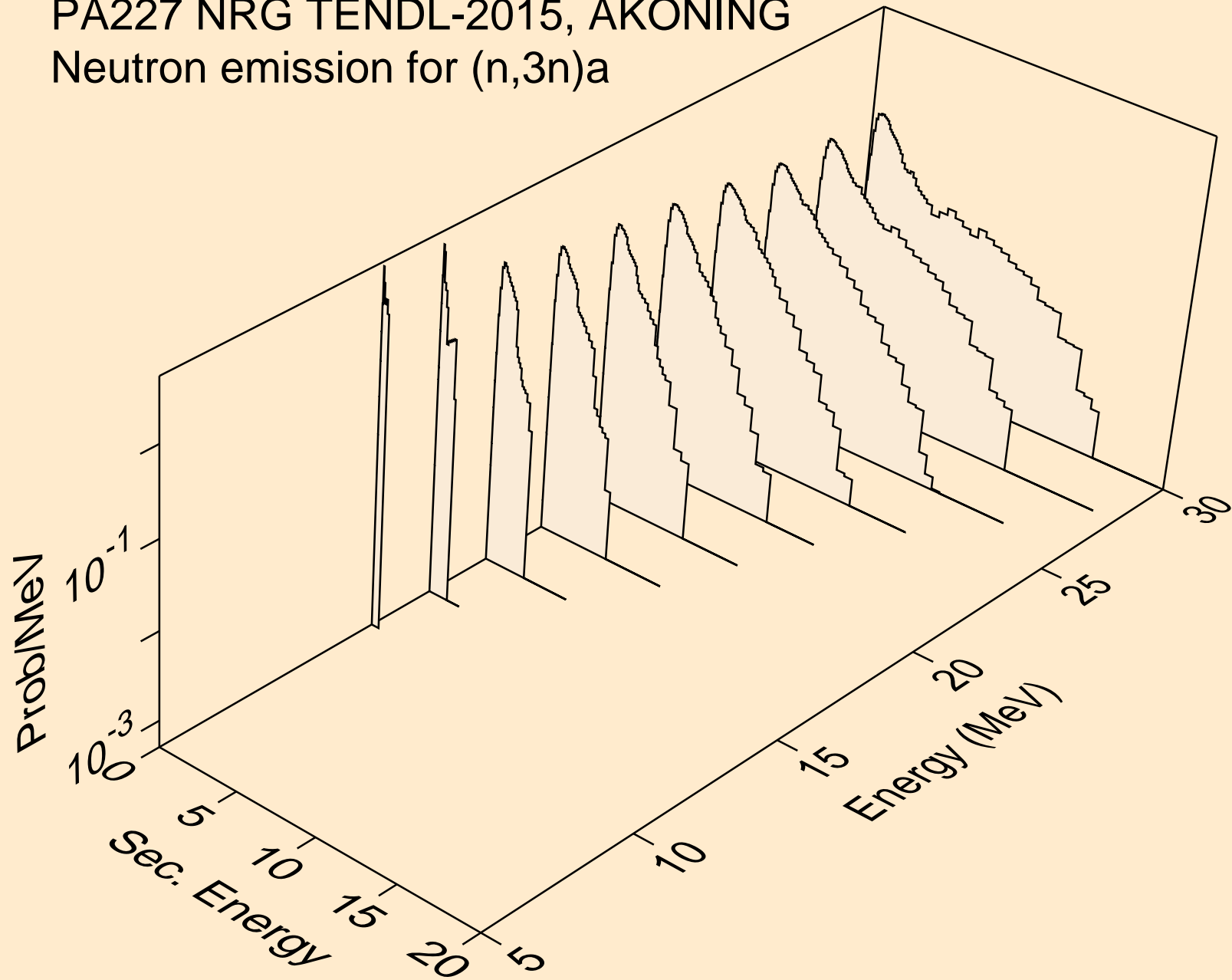
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



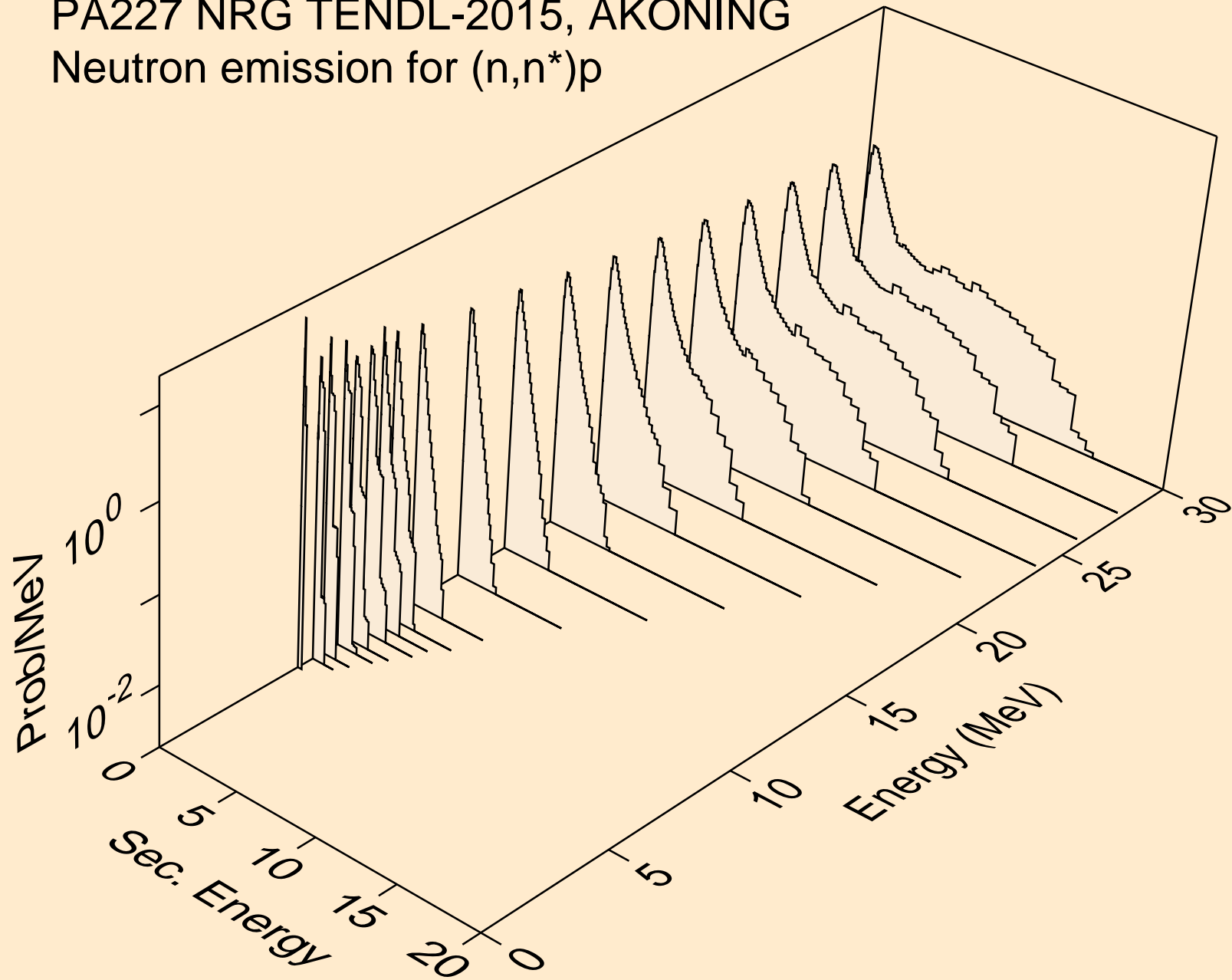
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>a</sub>



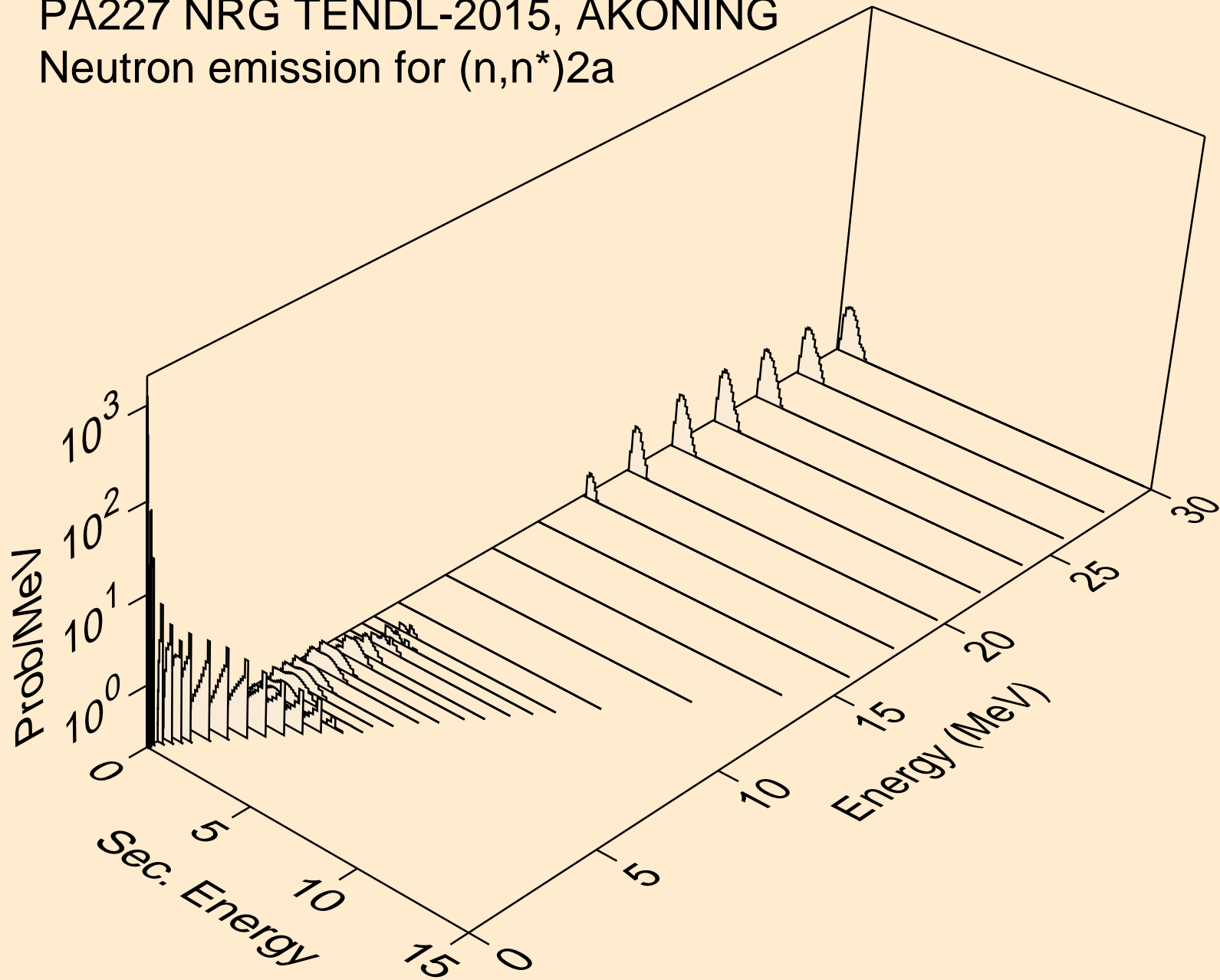
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



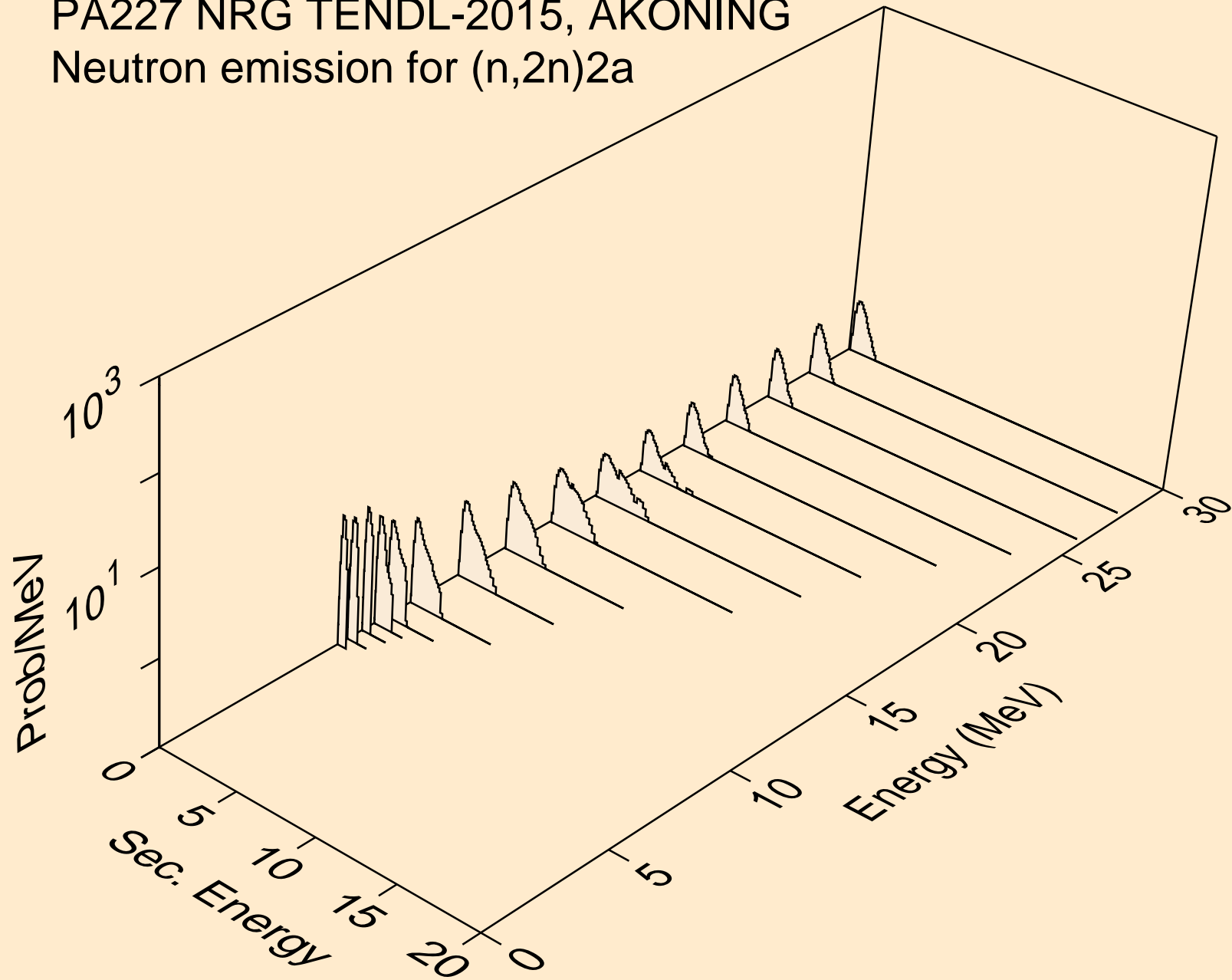
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



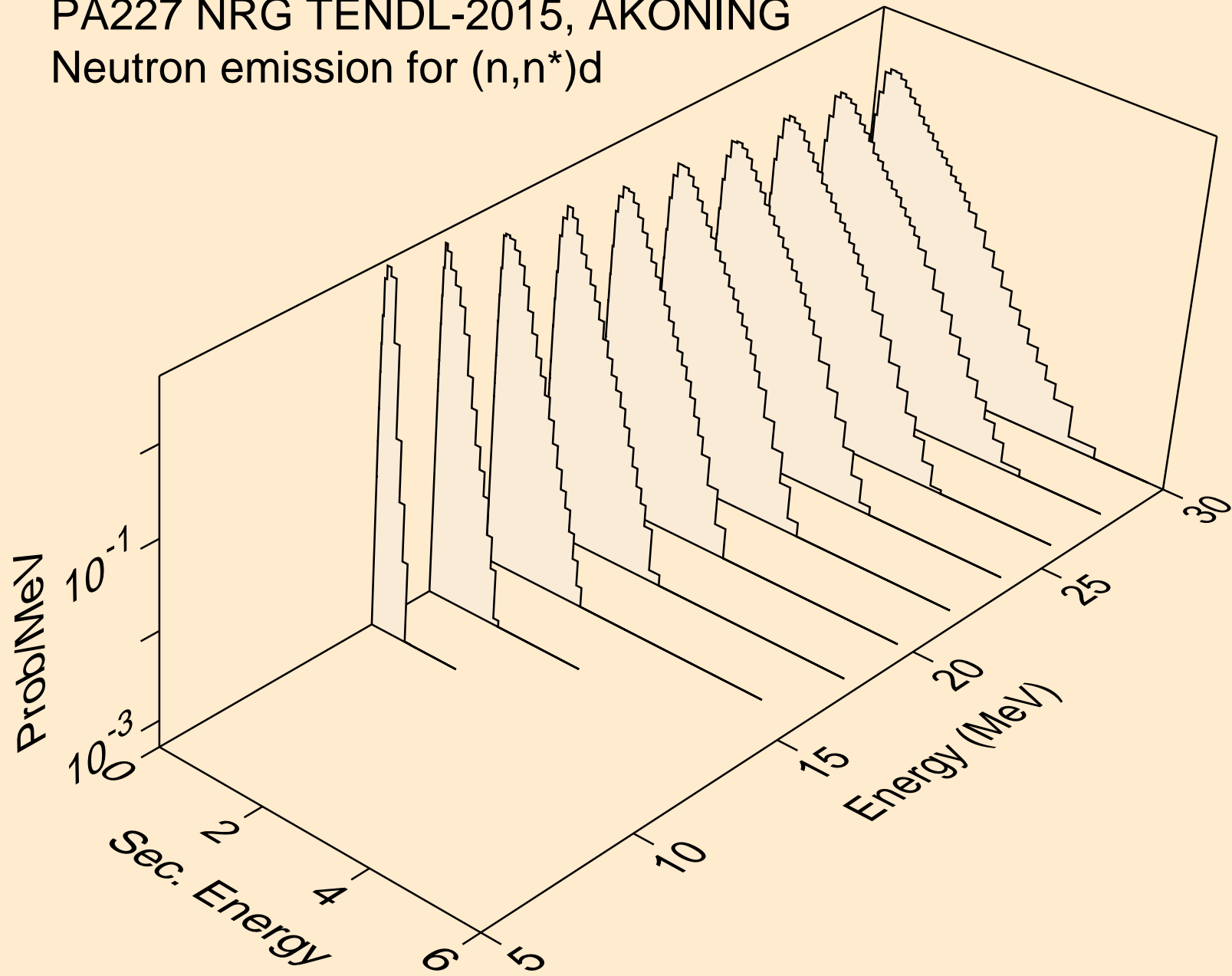
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



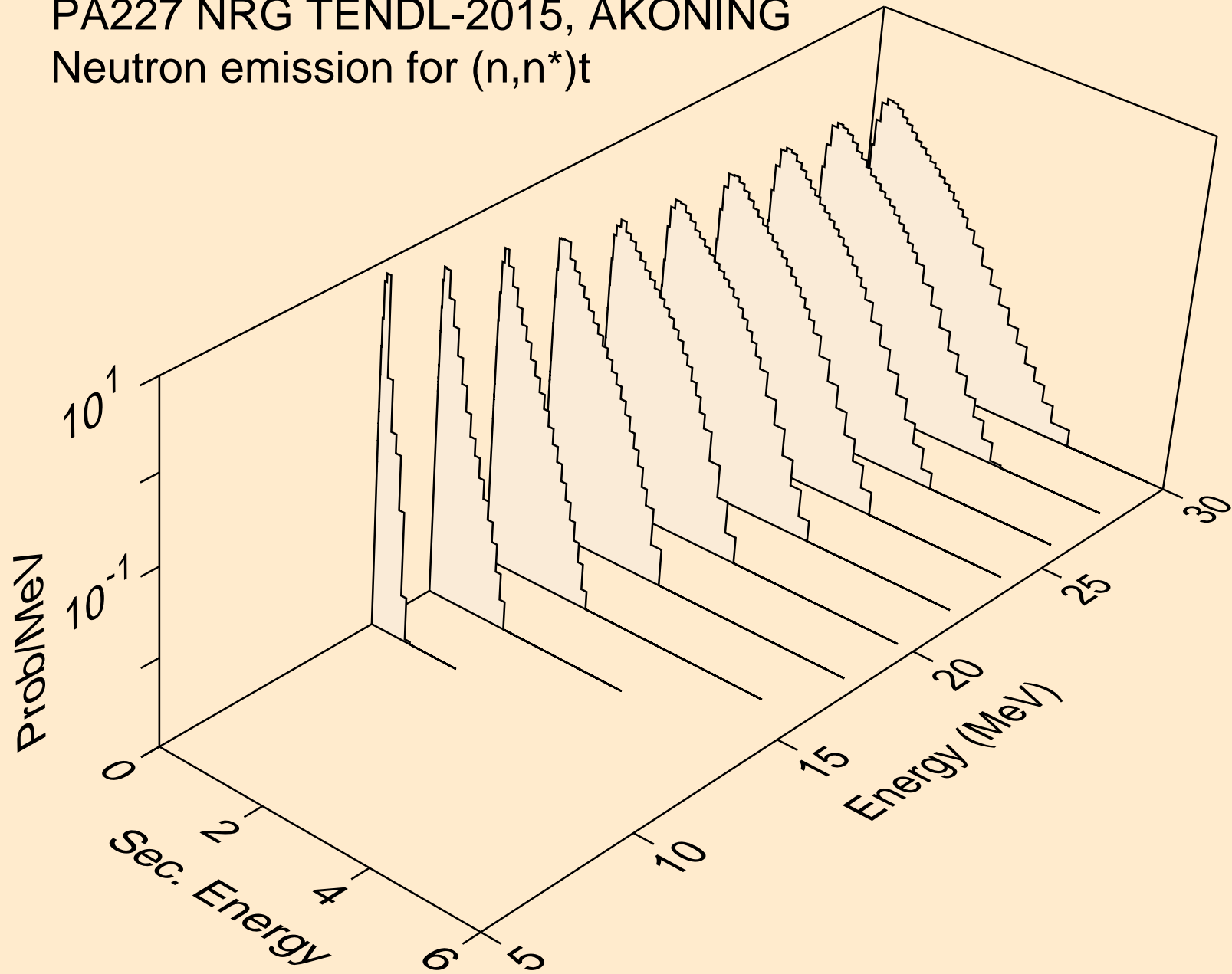
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

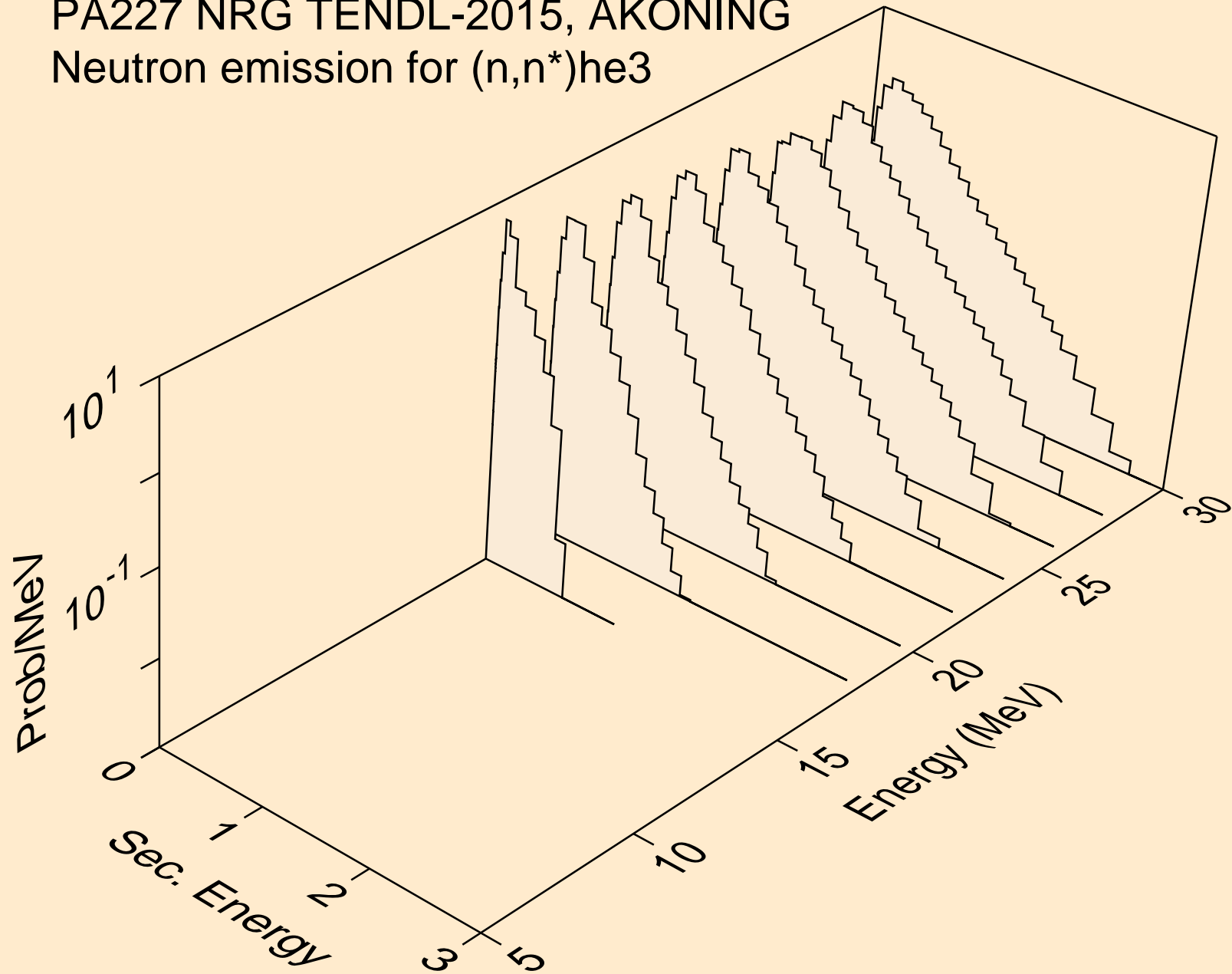


PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

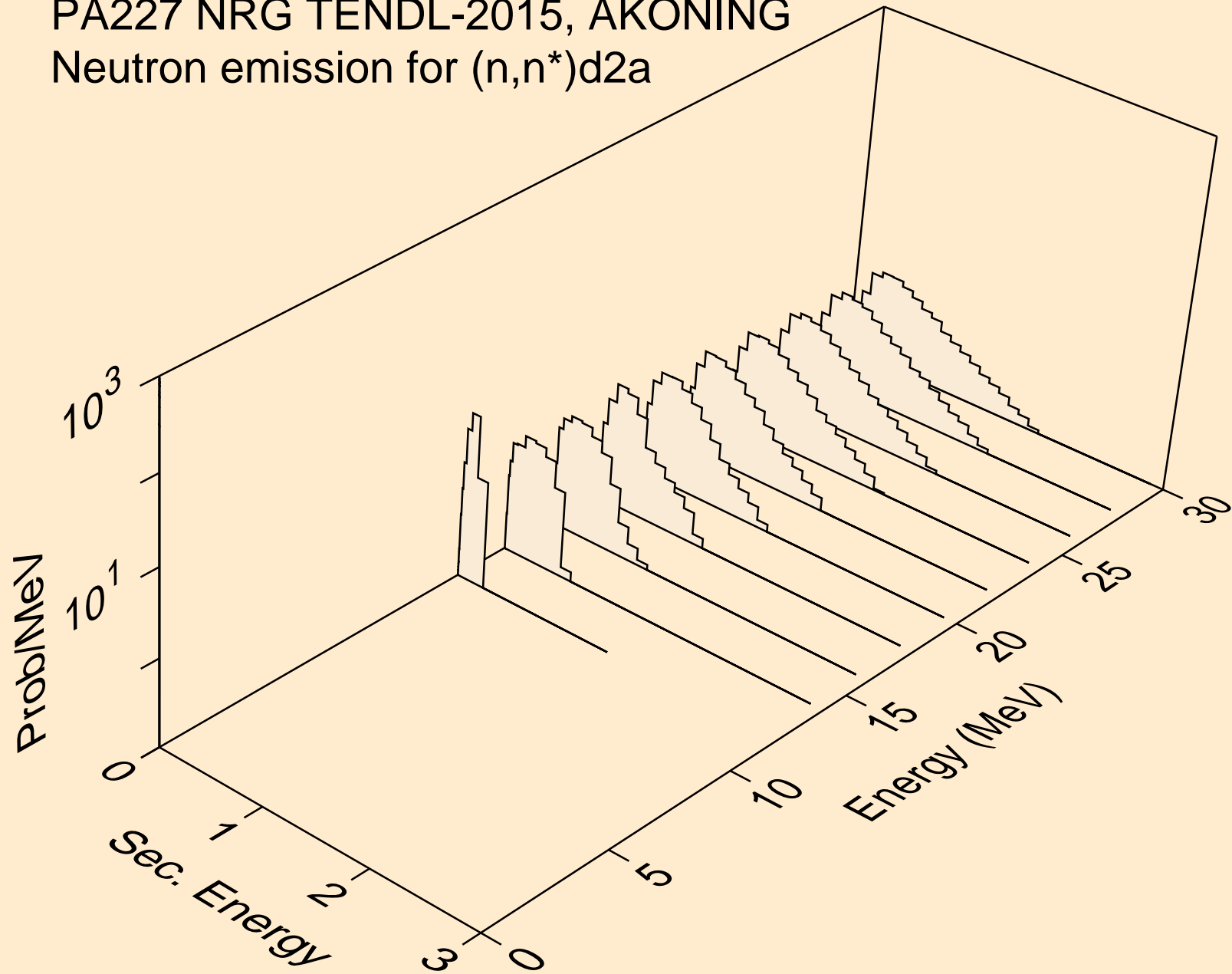




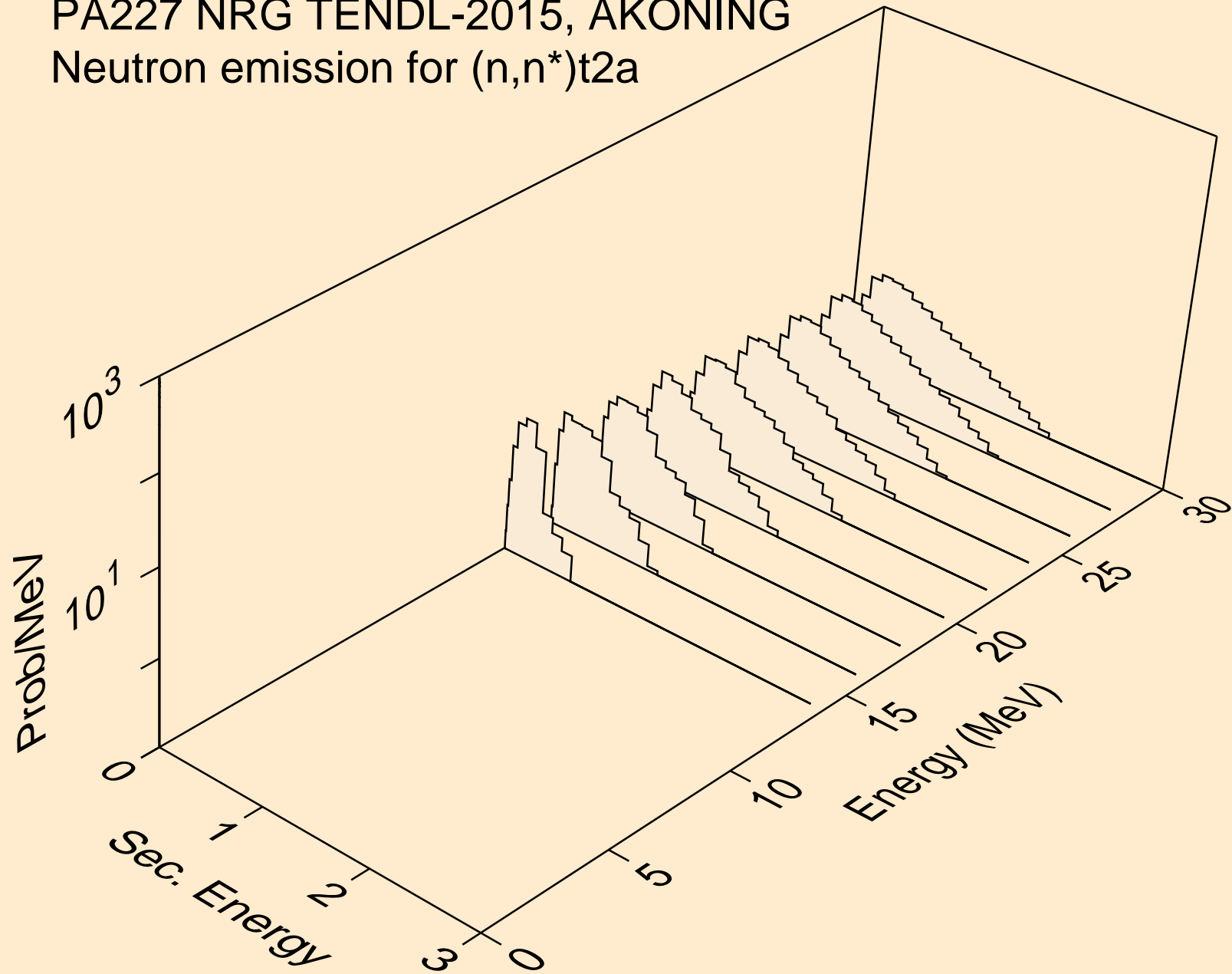
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



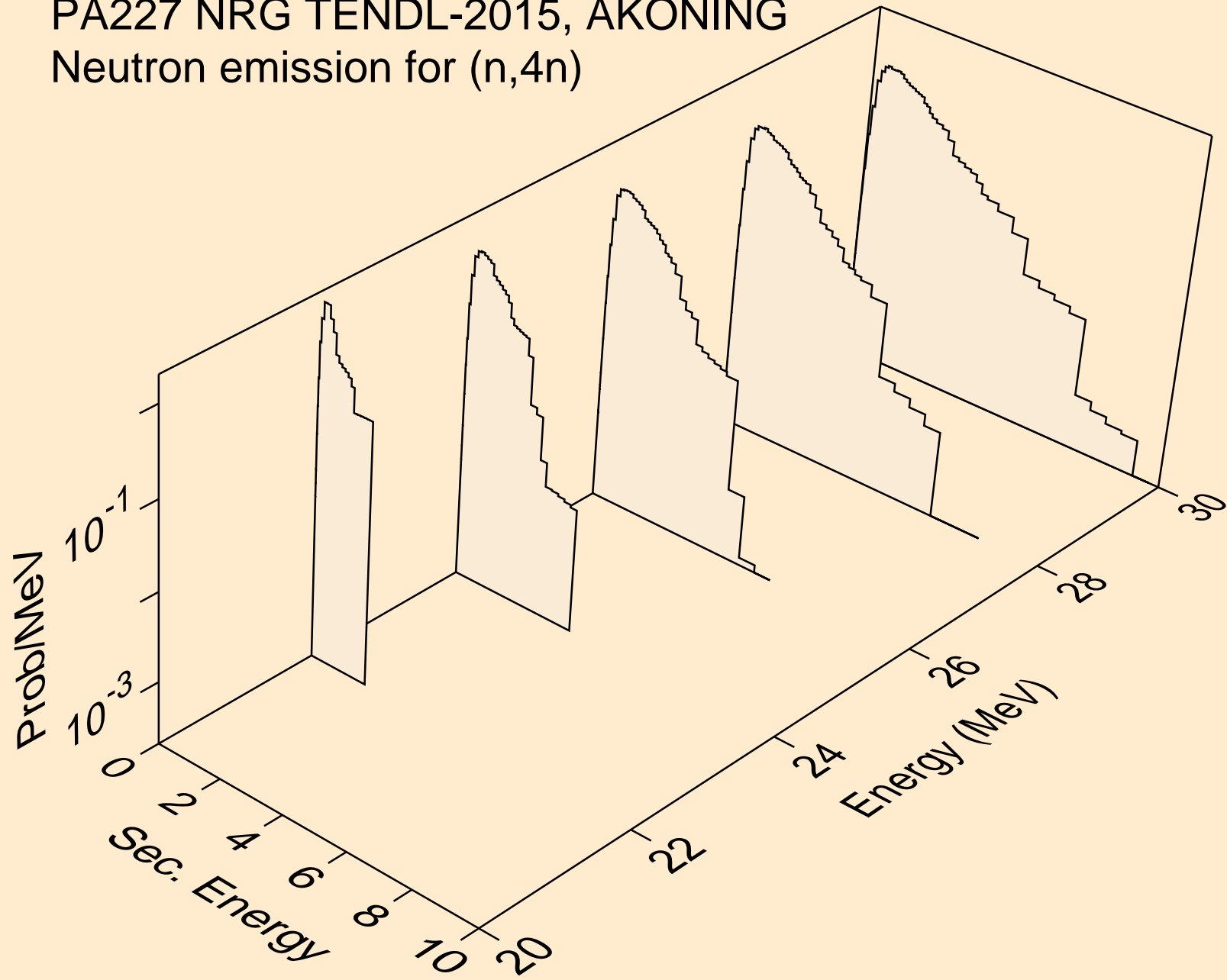
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



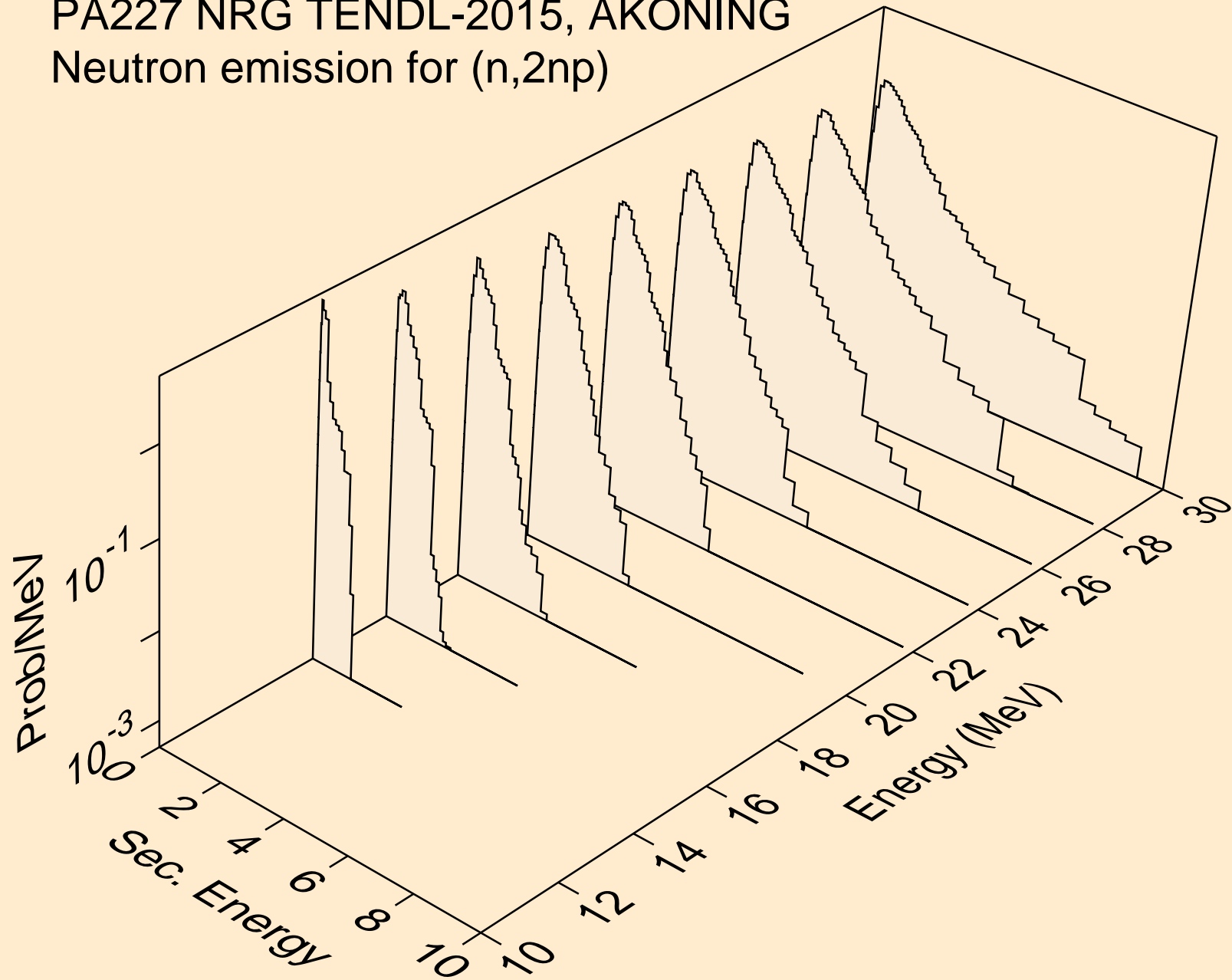
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



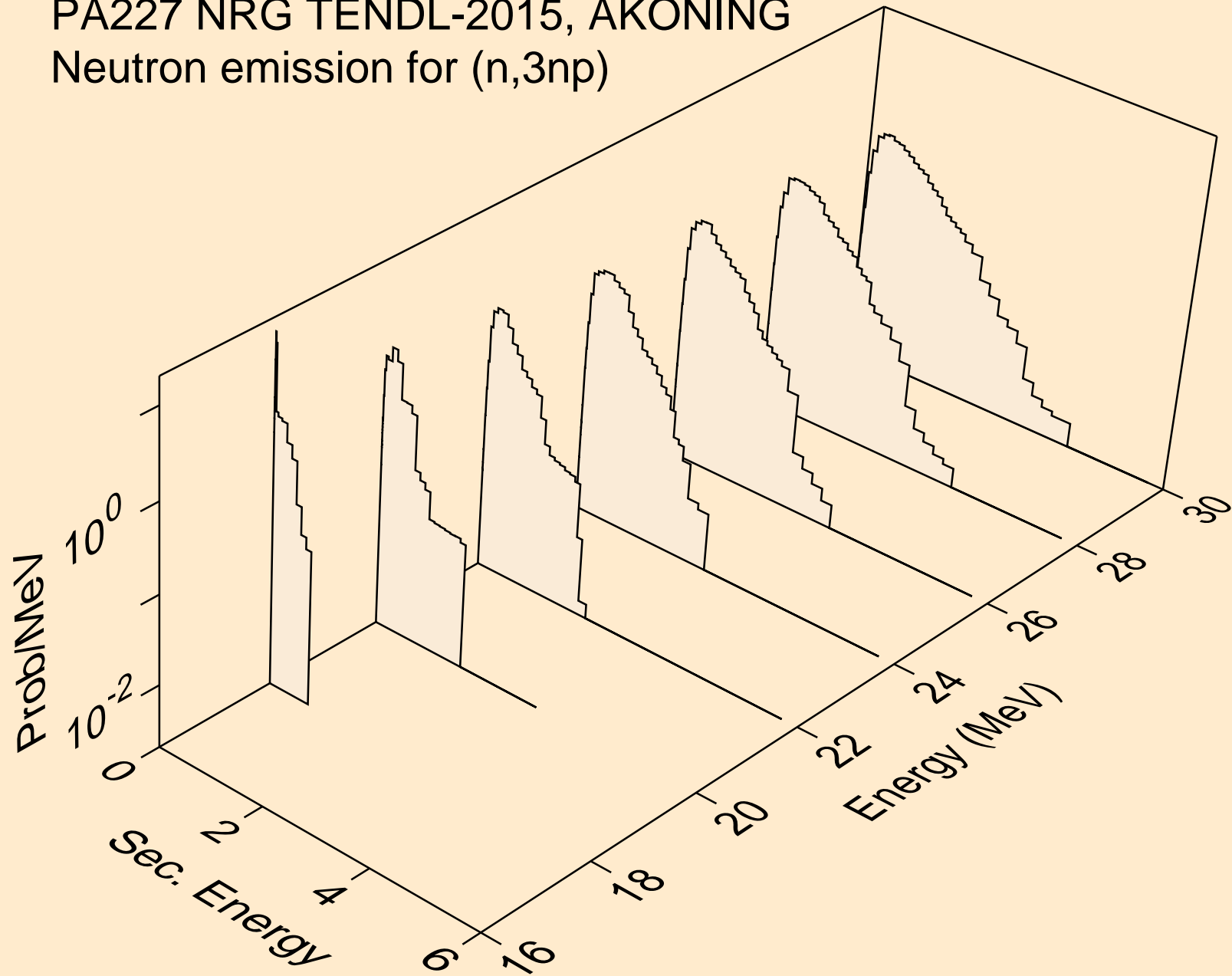
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



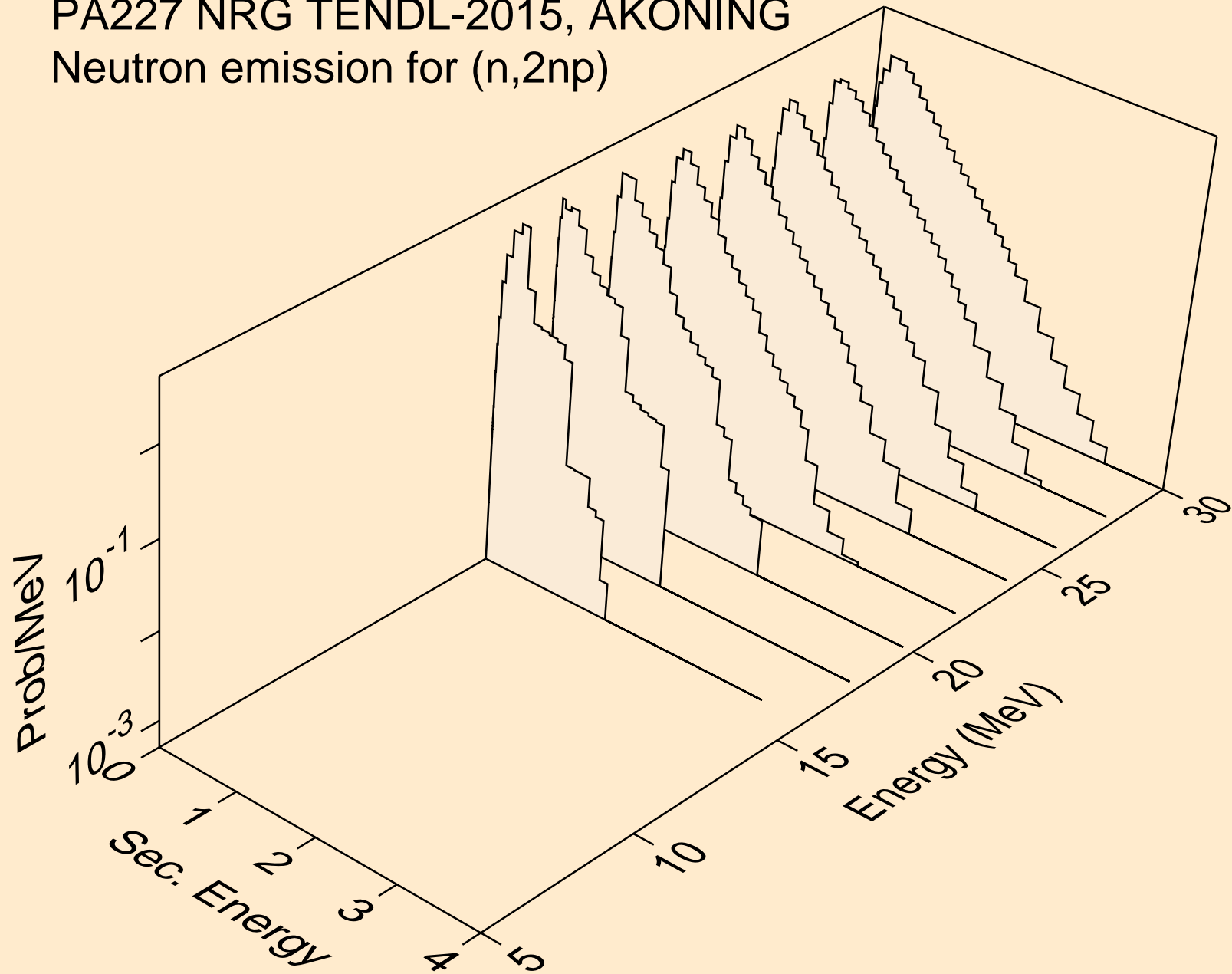
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



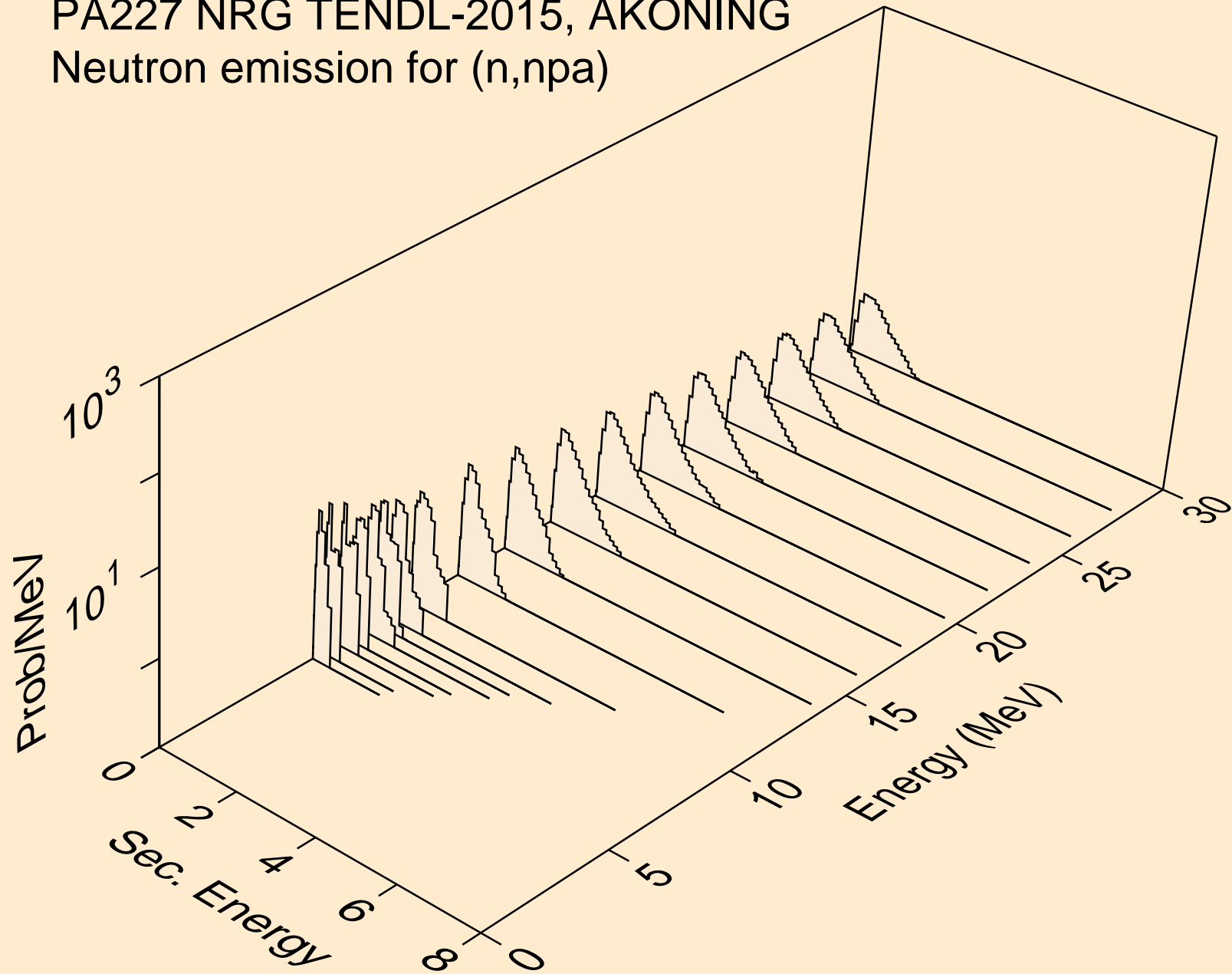
PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

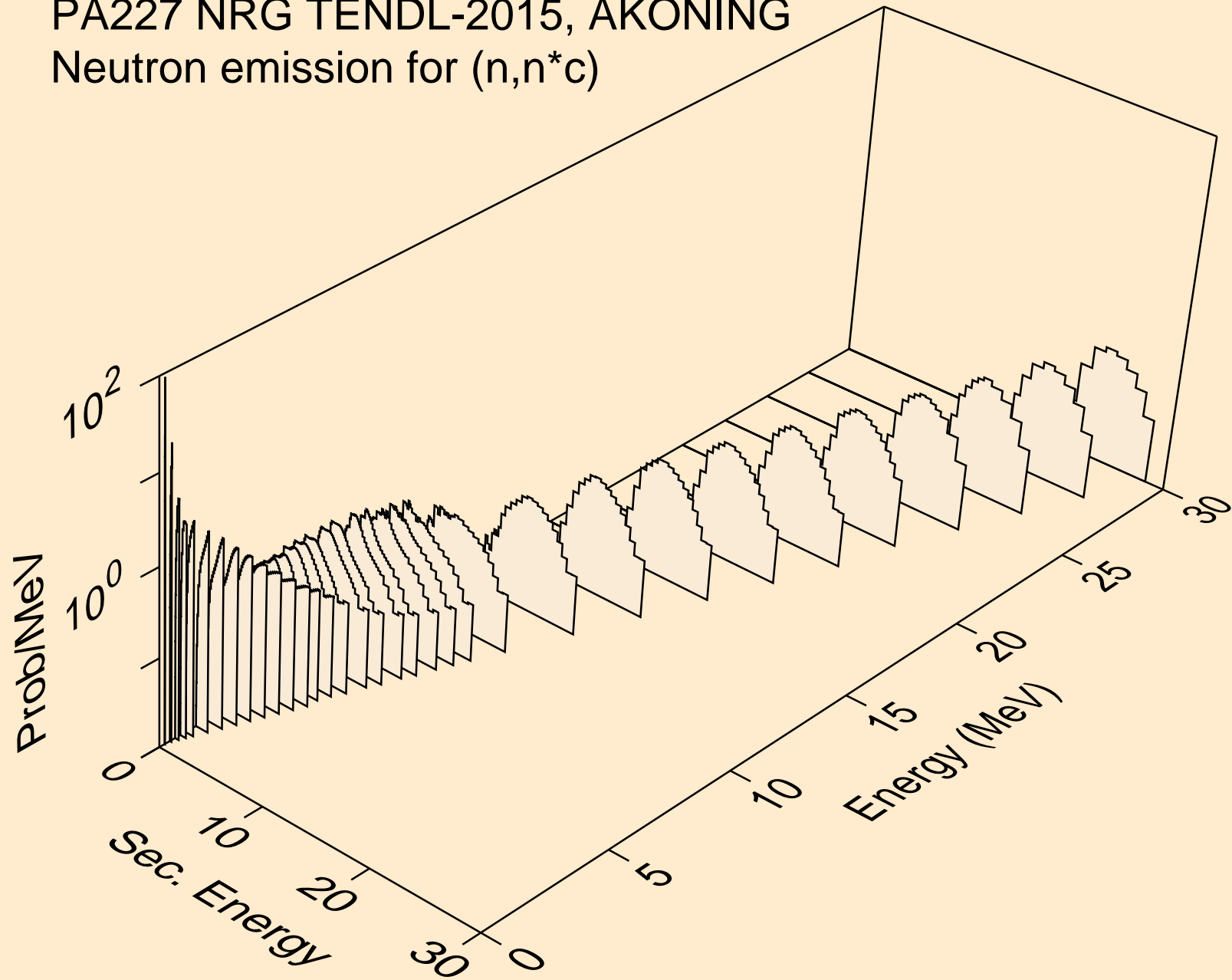


PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



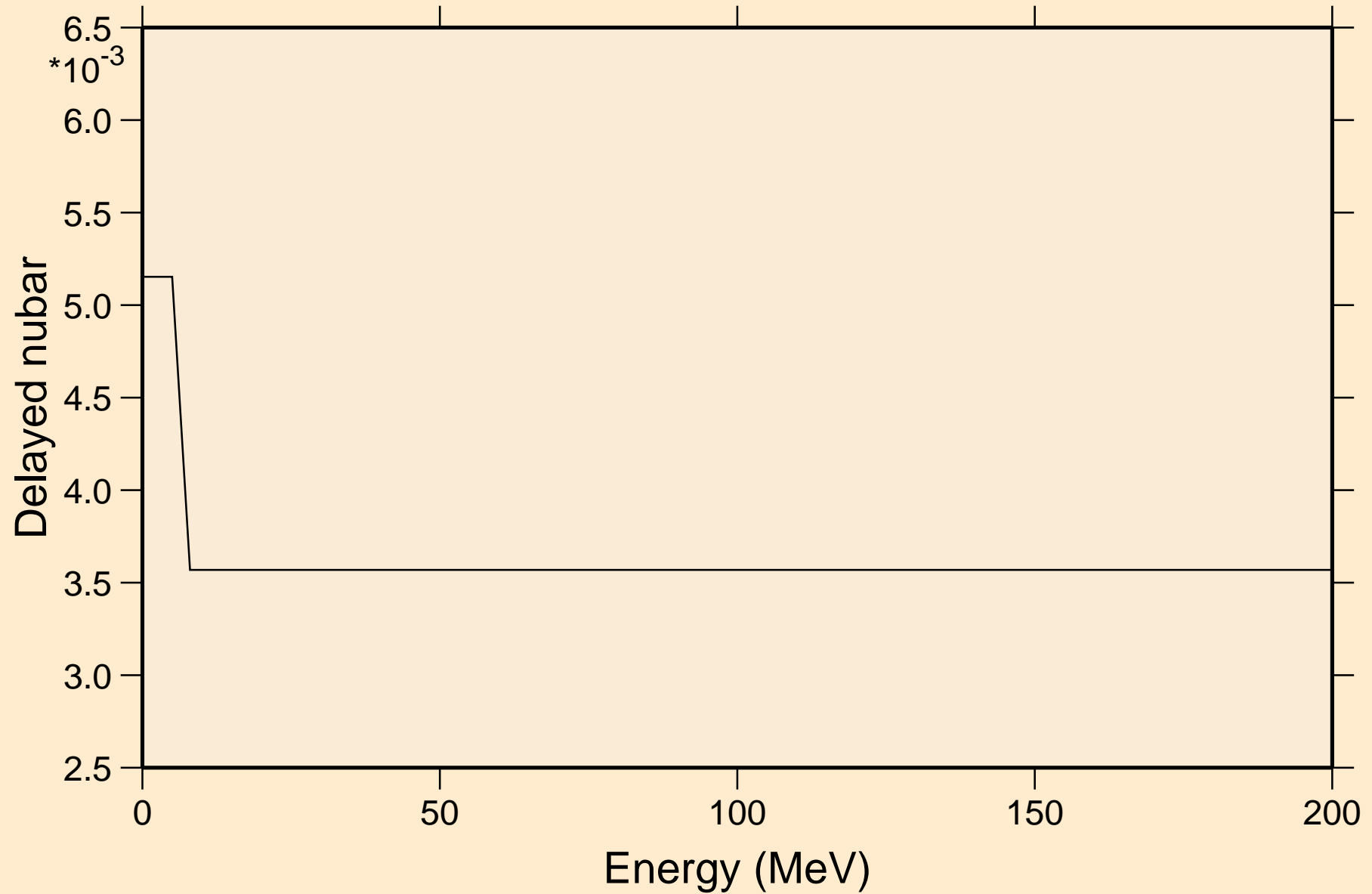


PA227 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



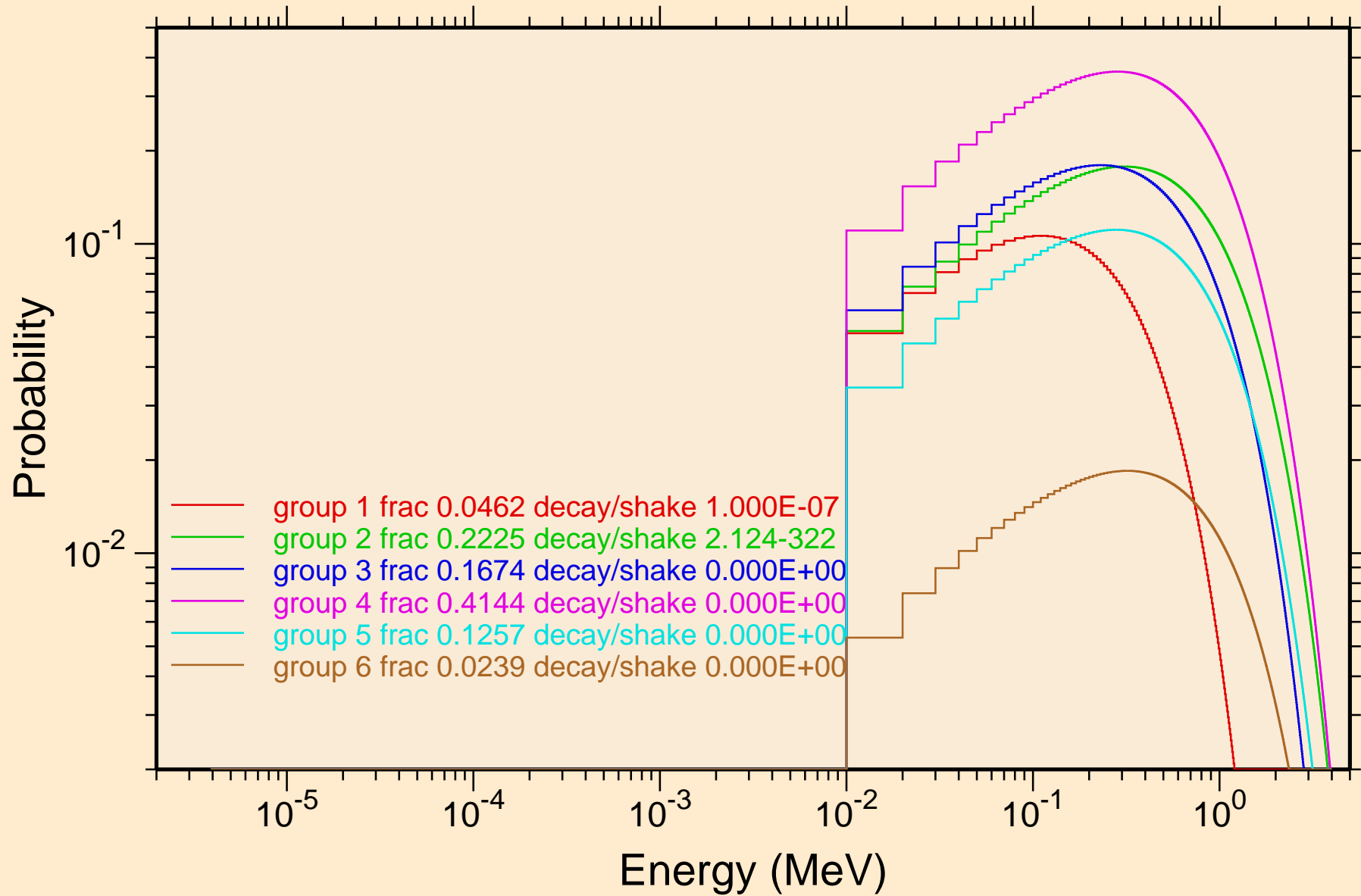
# PA227 NRG TENDL-2015, AKONING

## Delayed nubar

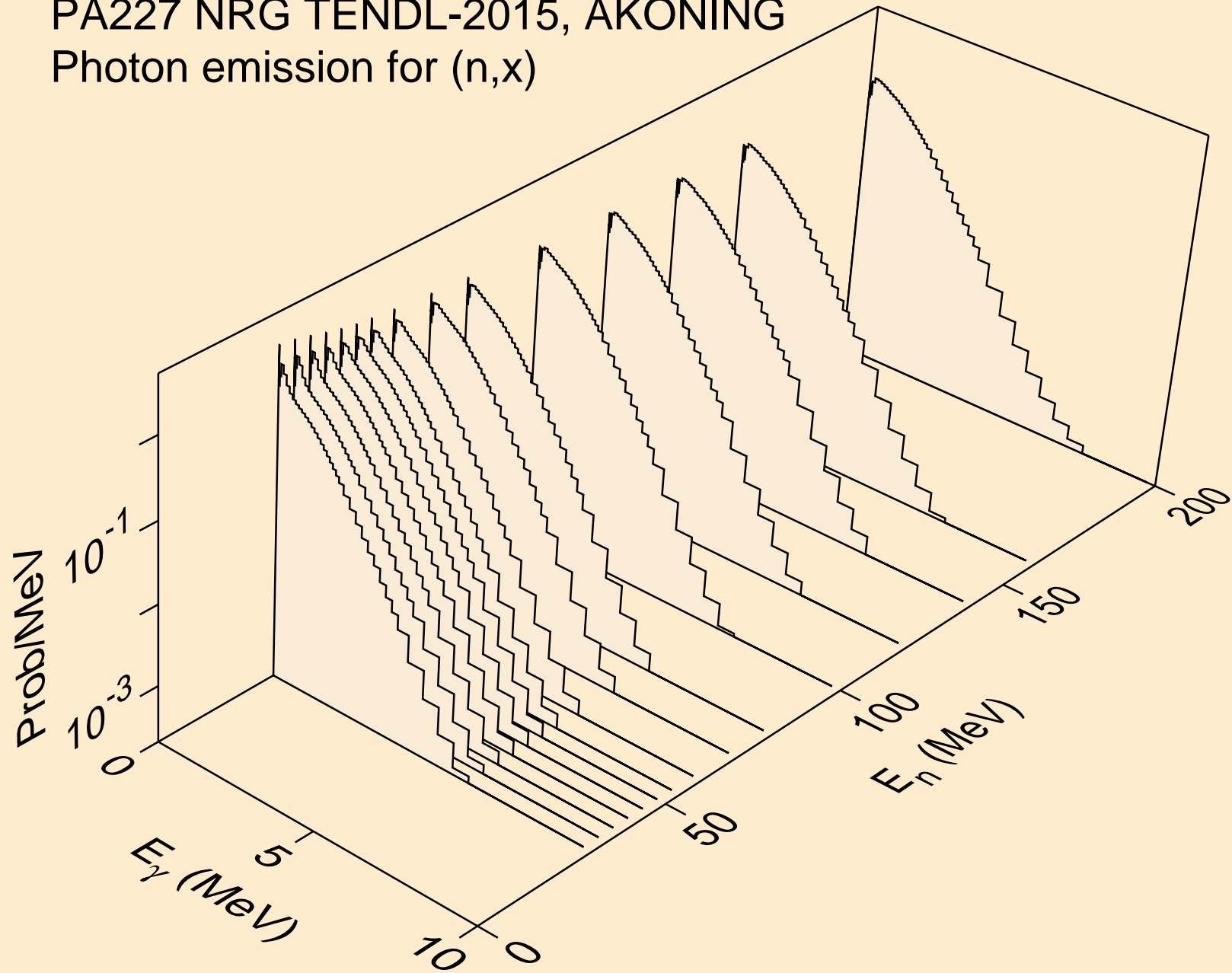


# PA227 NRG TENDL-2015, AKONING

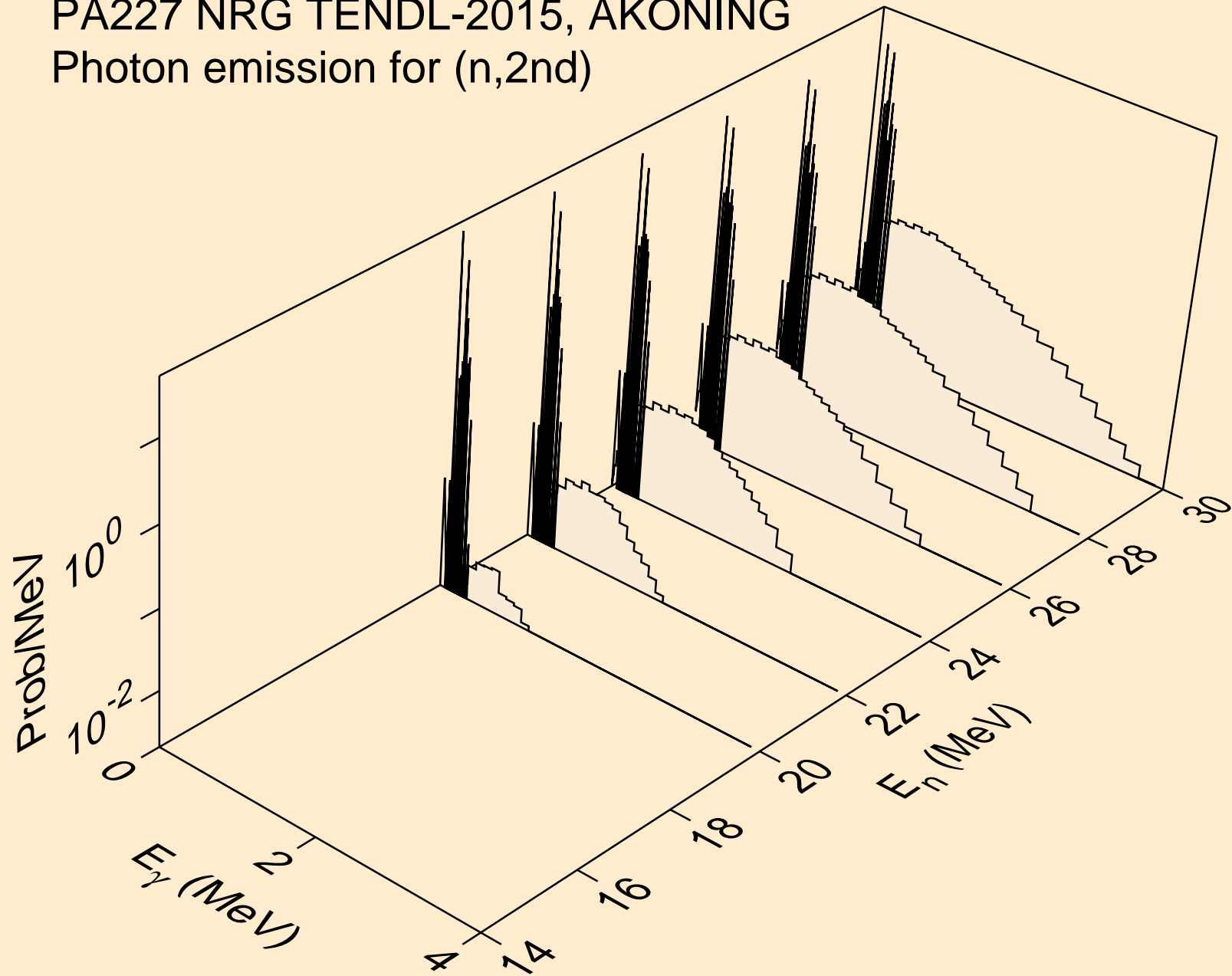
## Delayed neutron spectra



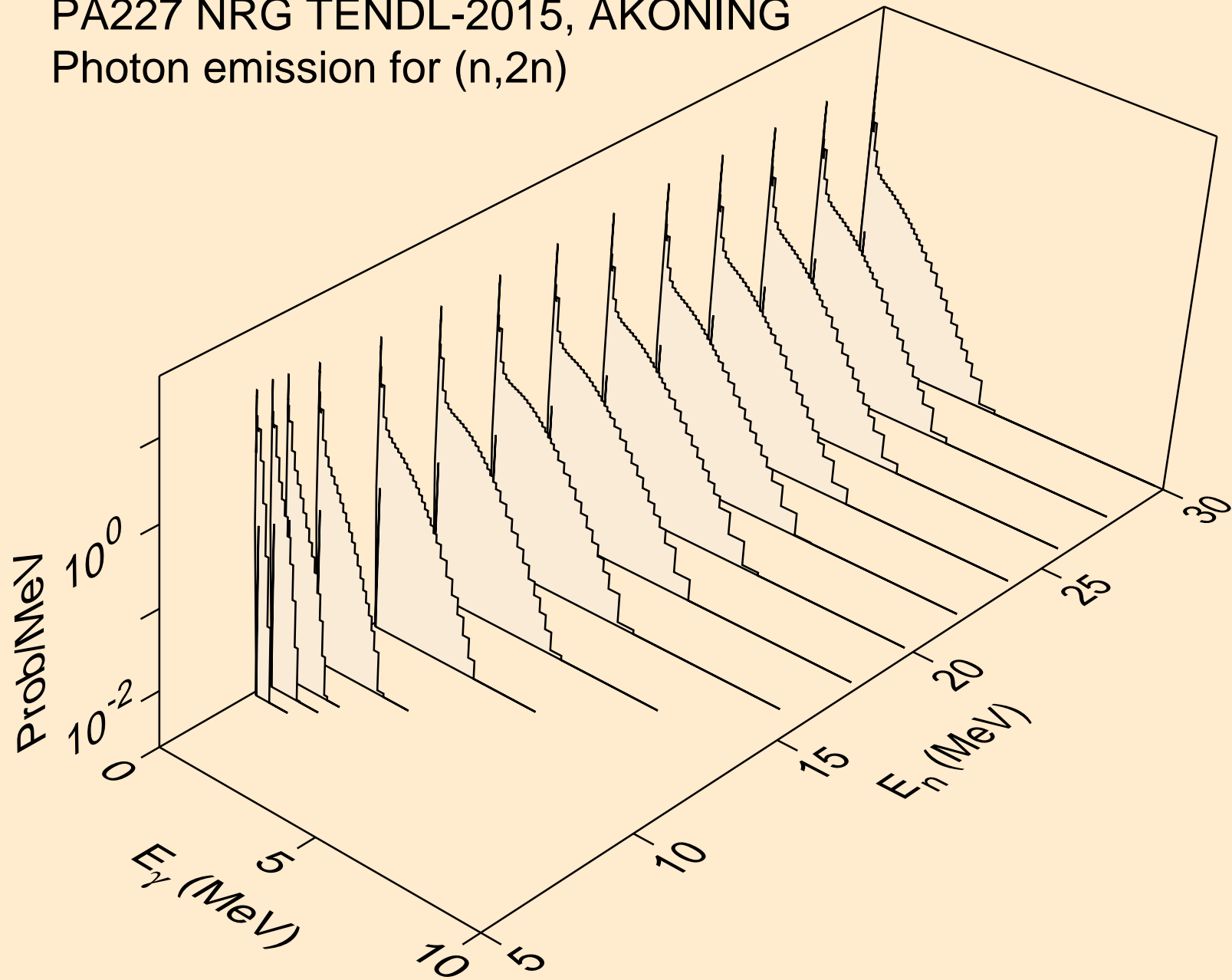
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



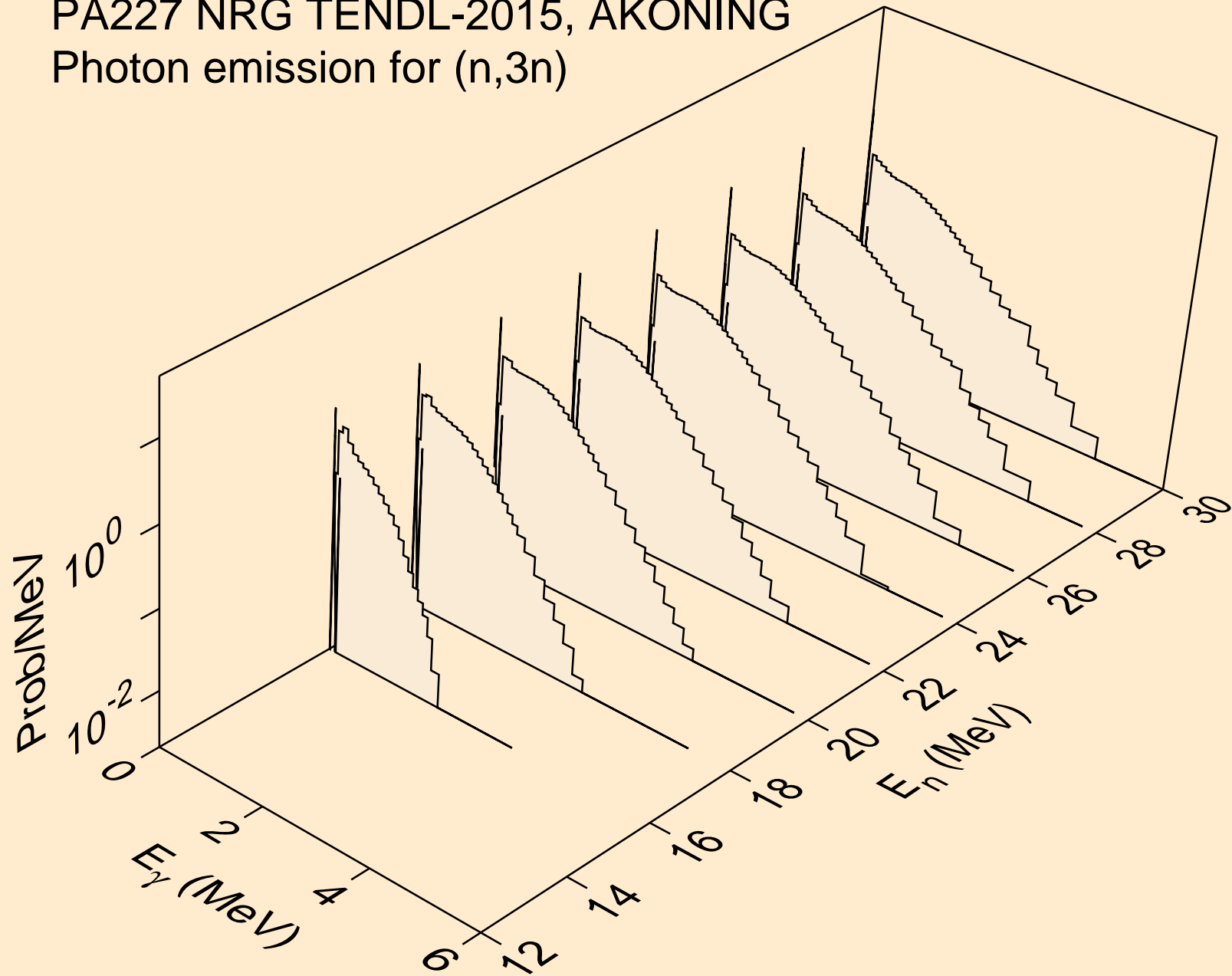
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



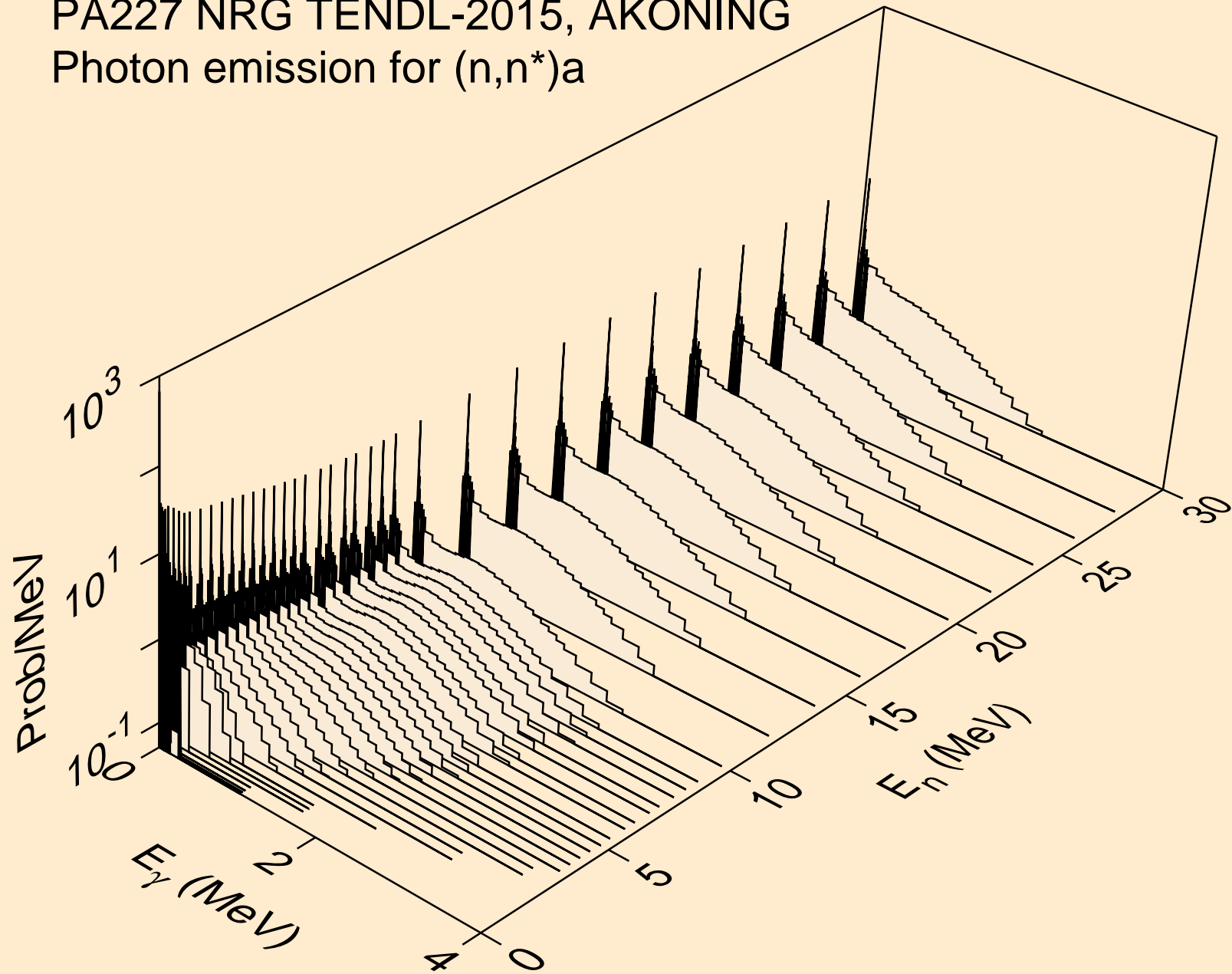
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

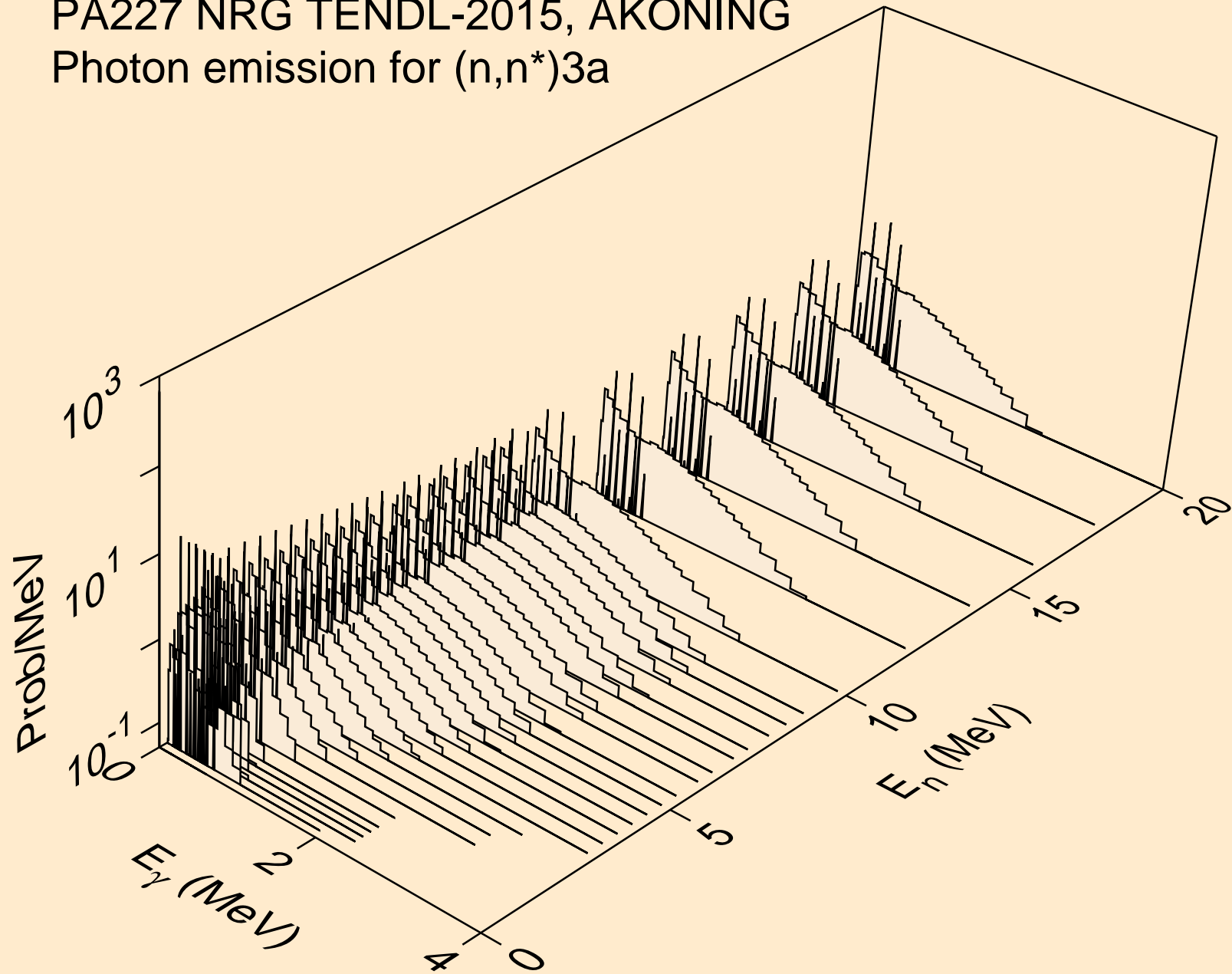


PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

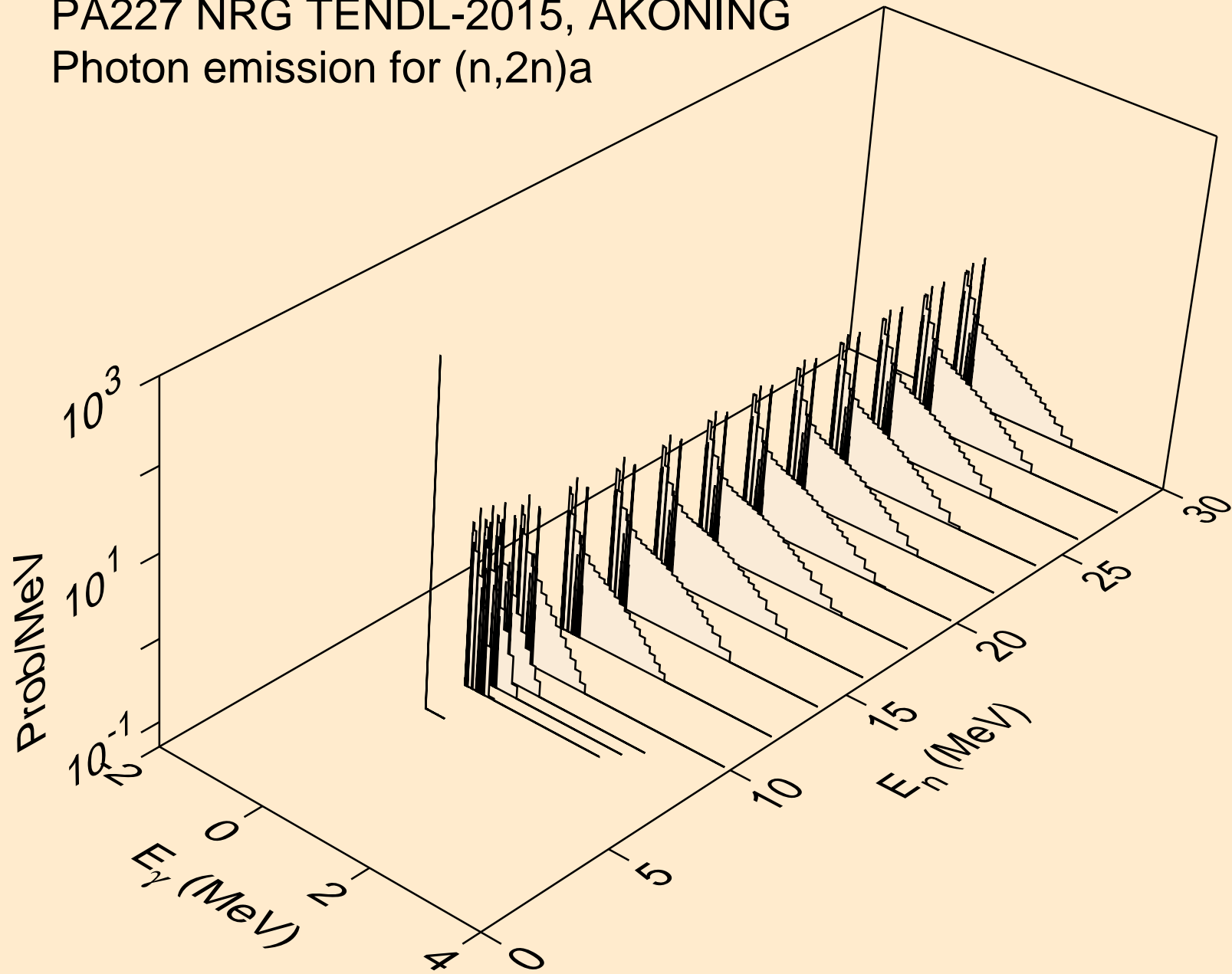




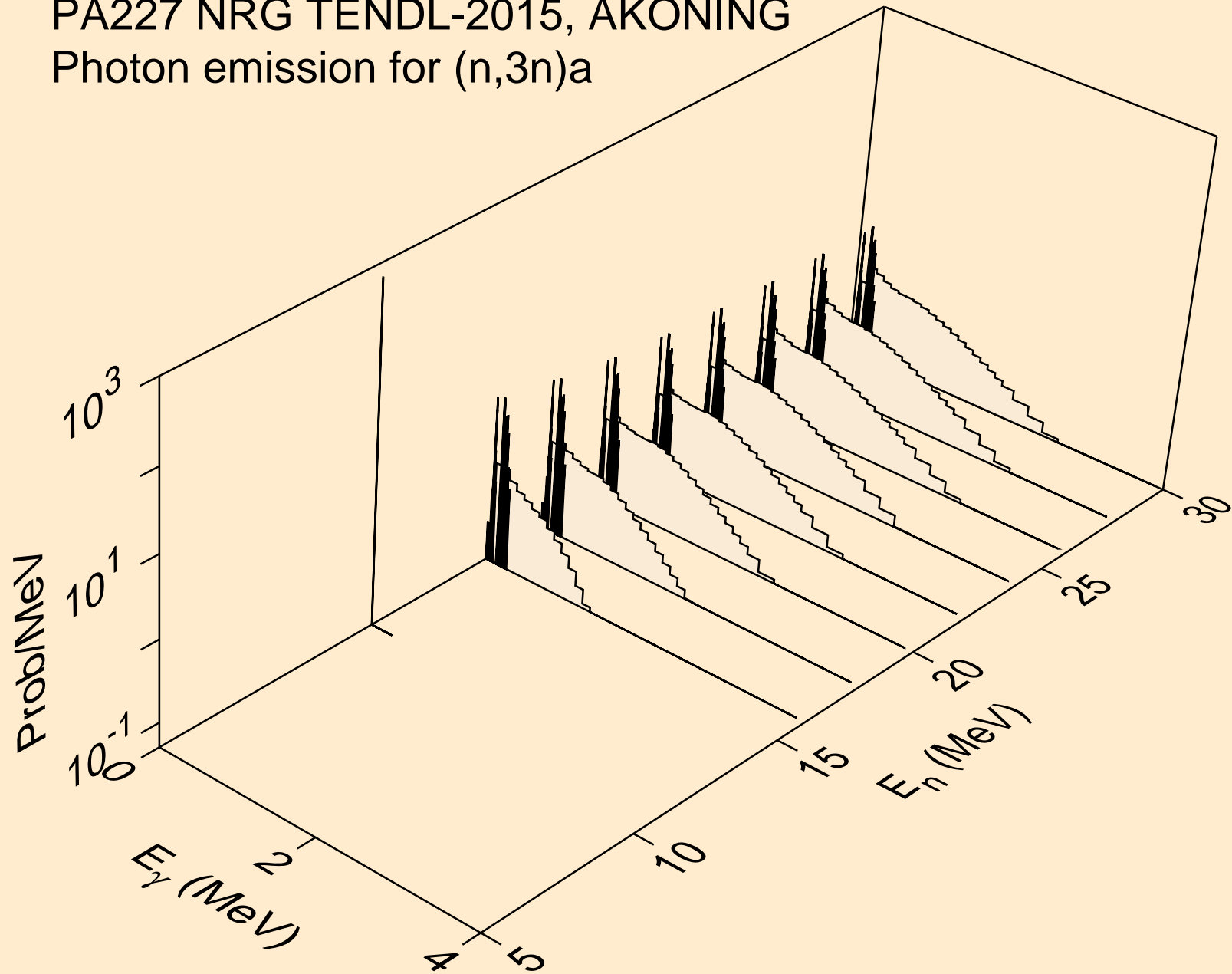
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



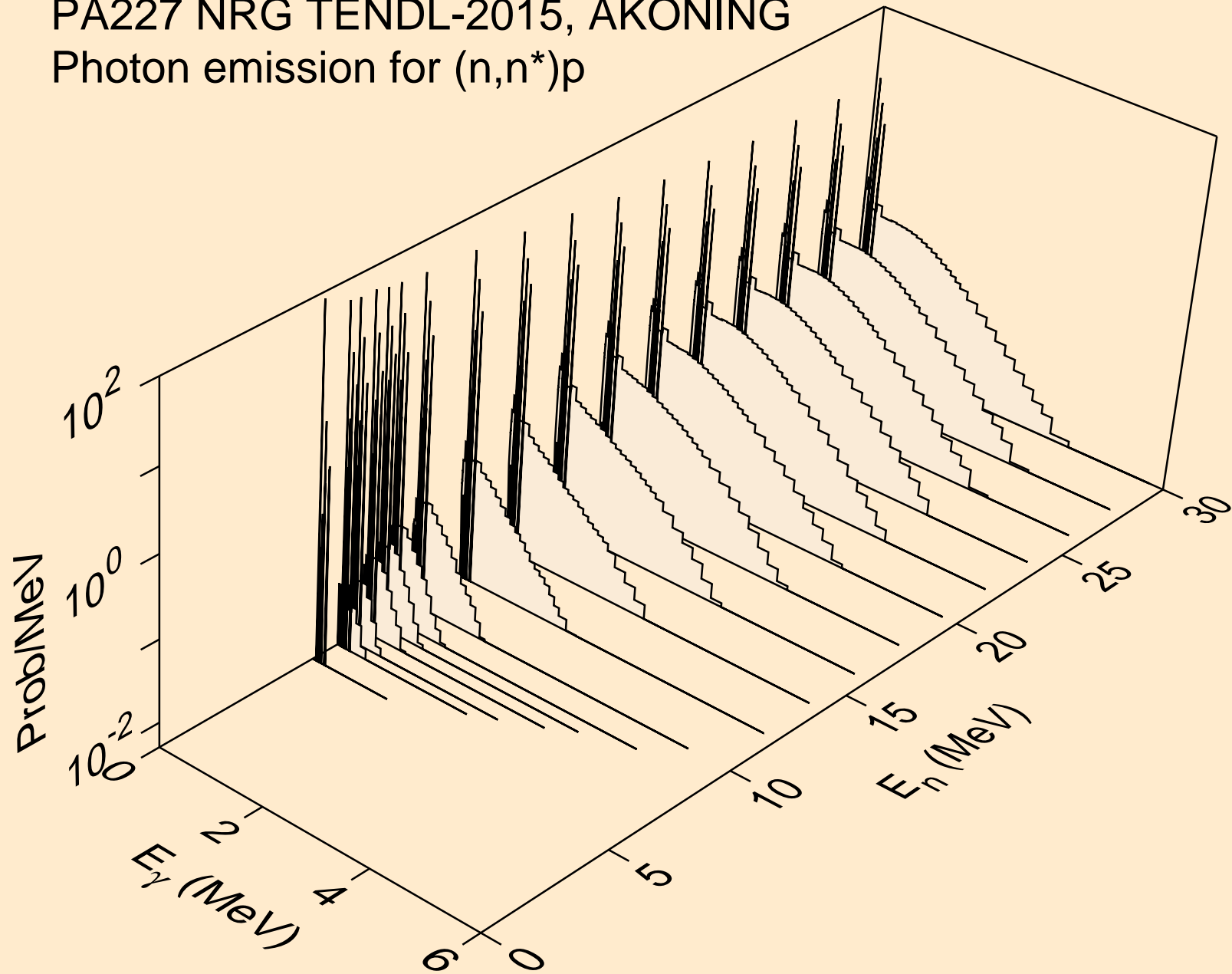
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



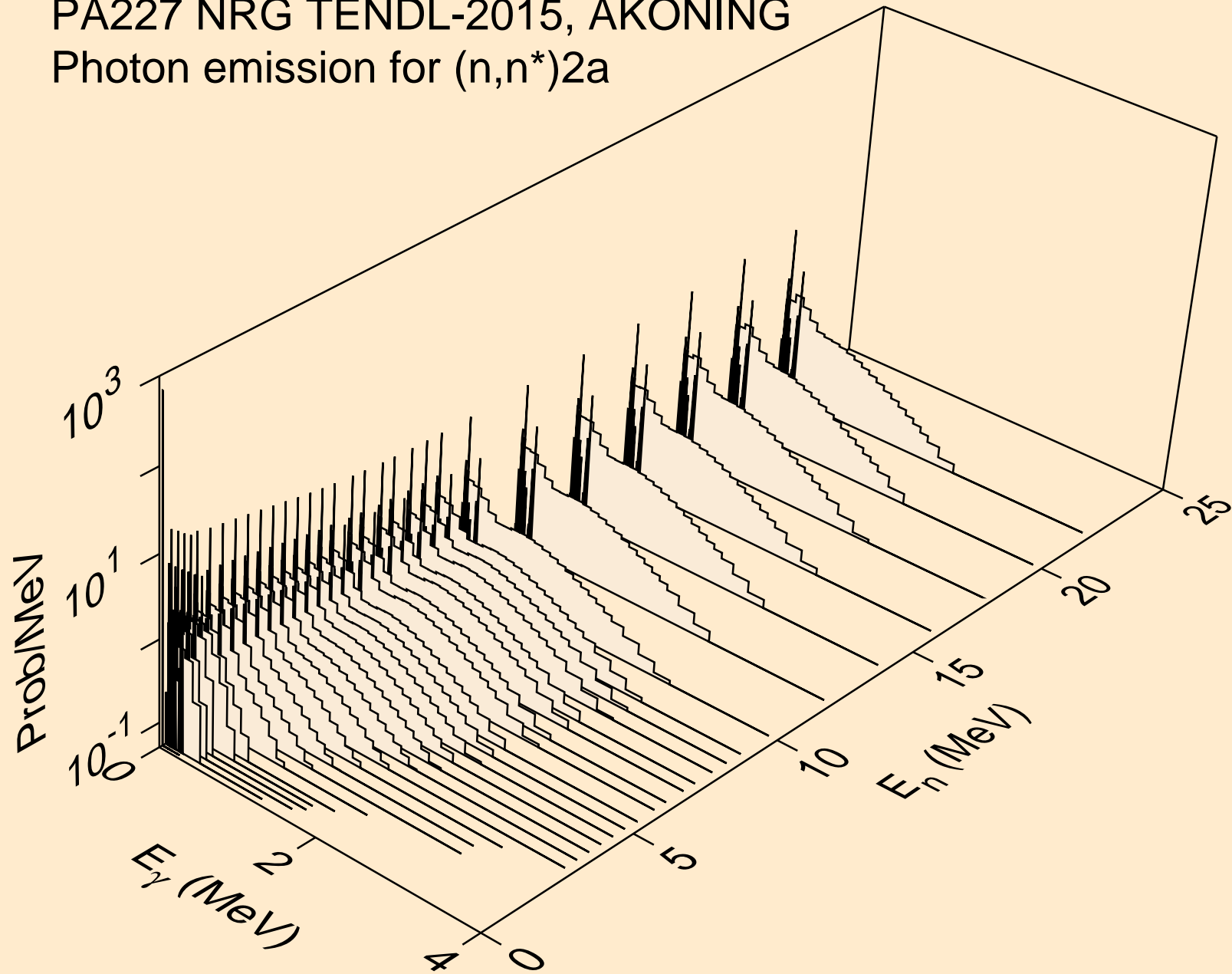
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



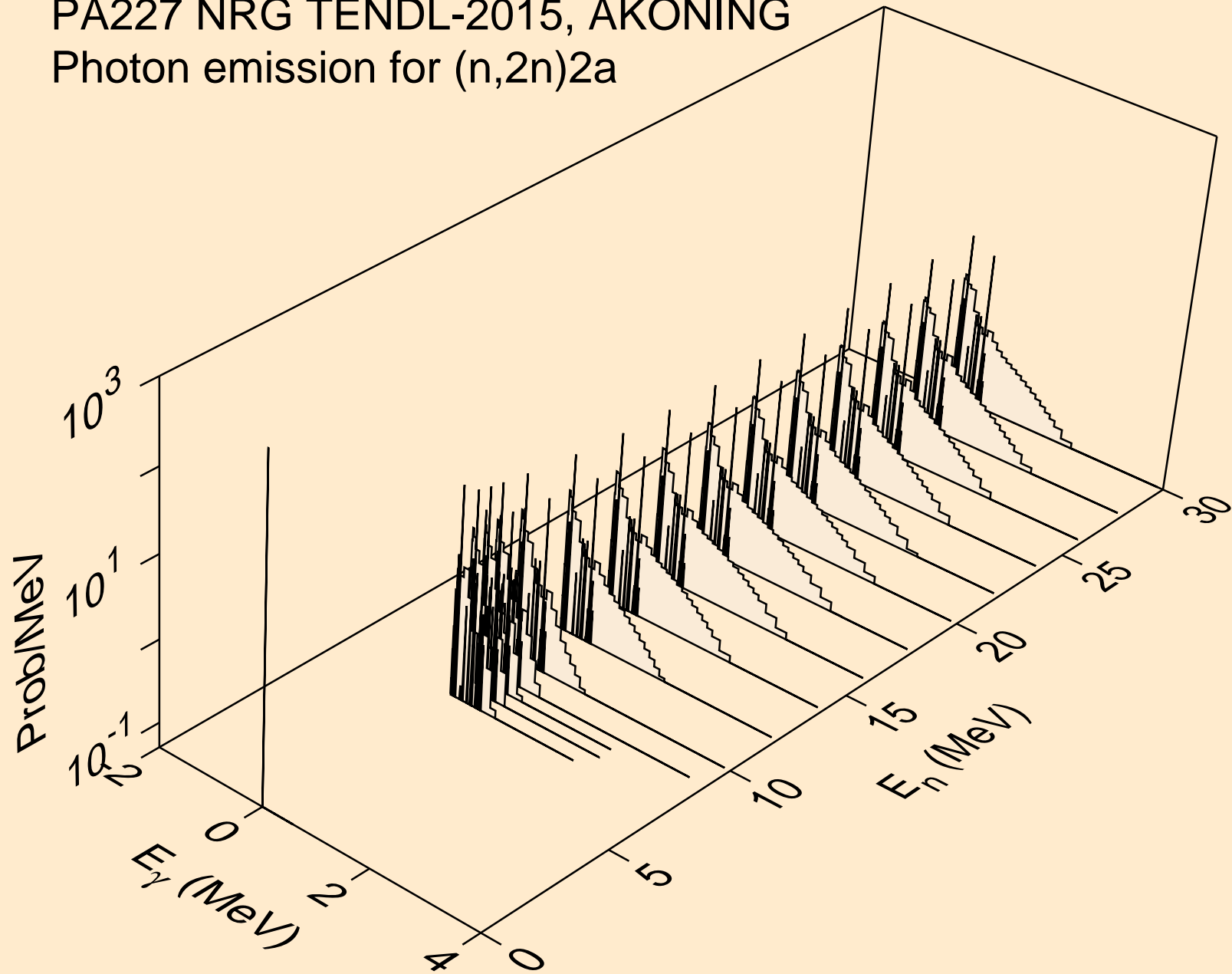
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



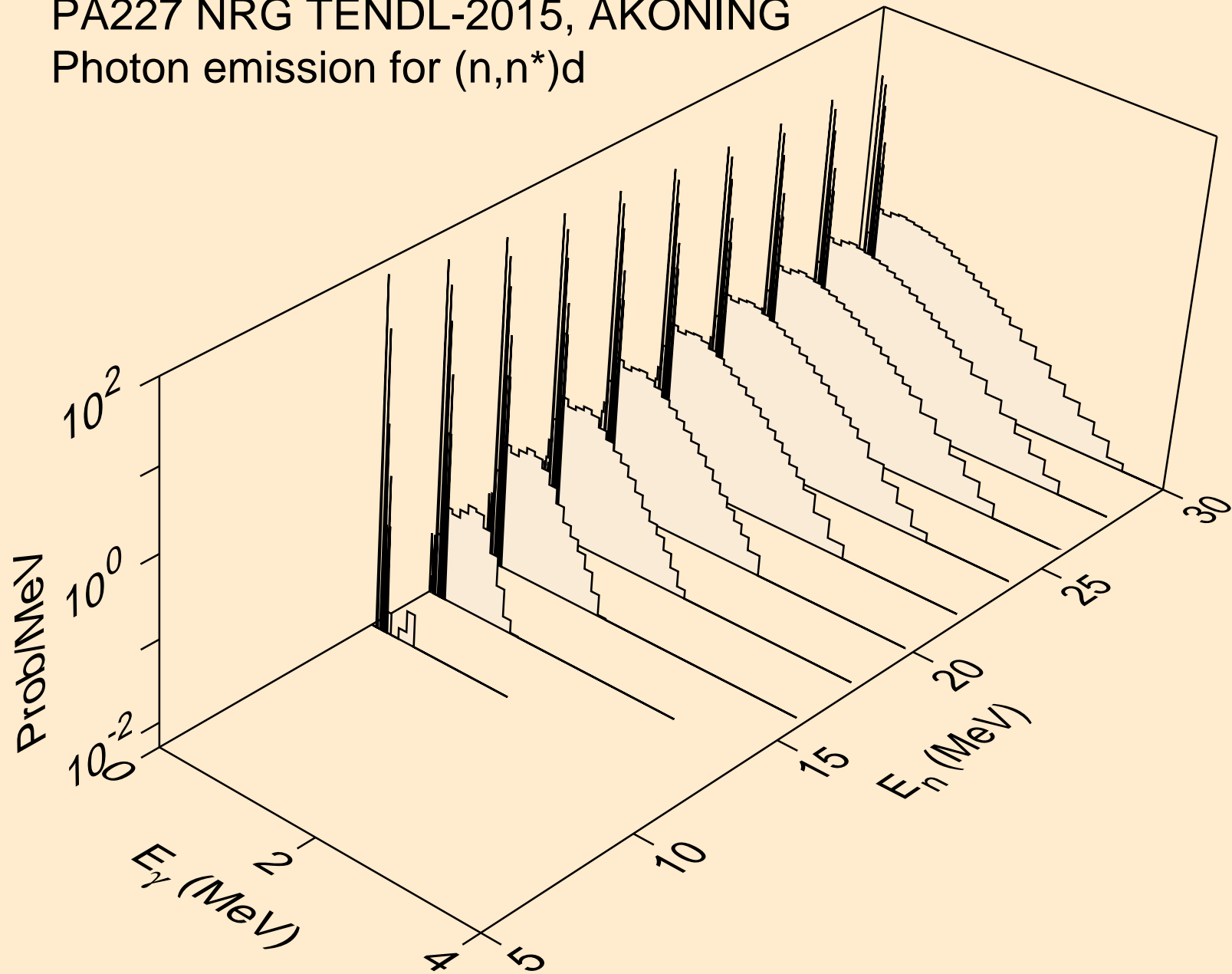
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



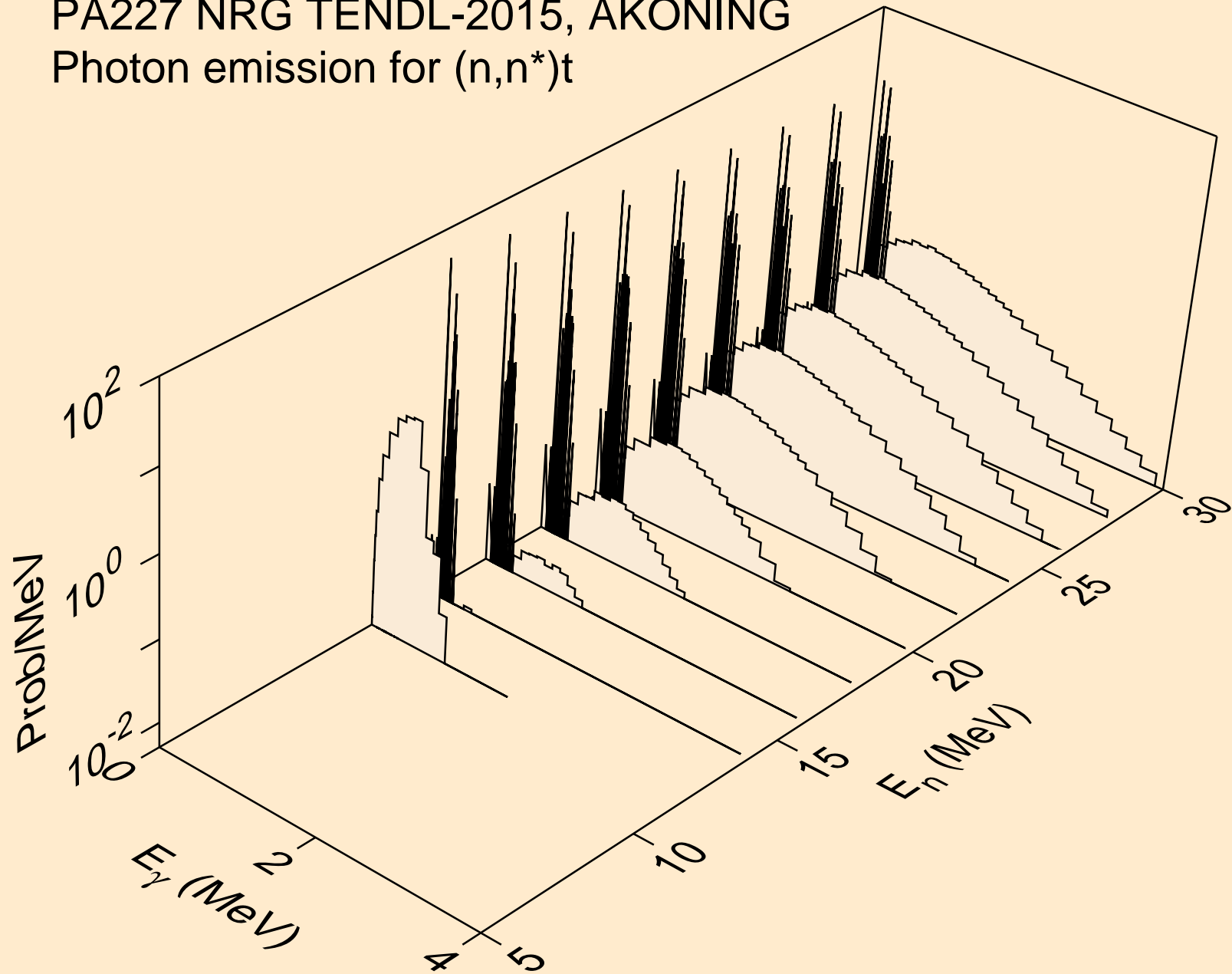
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

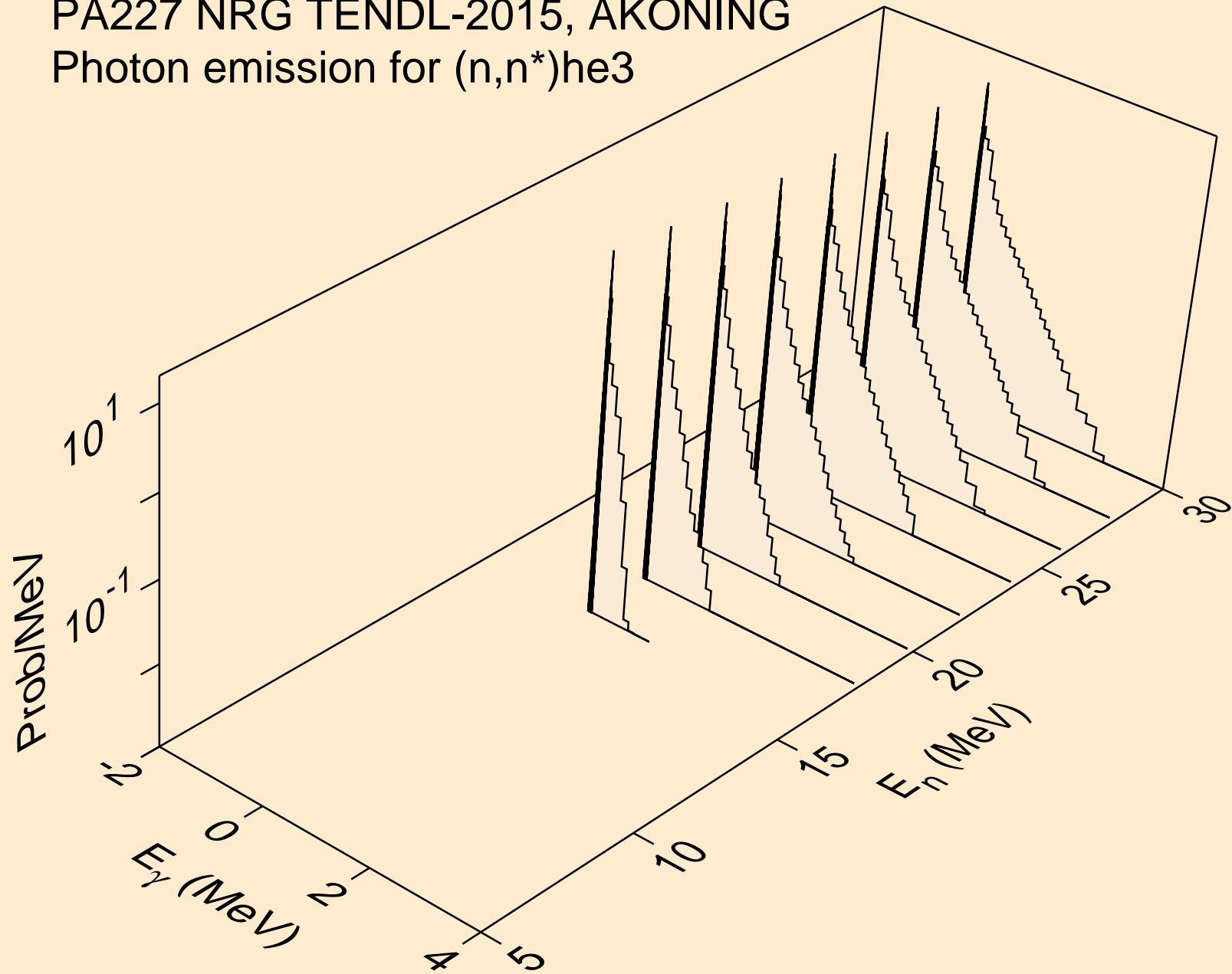


PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

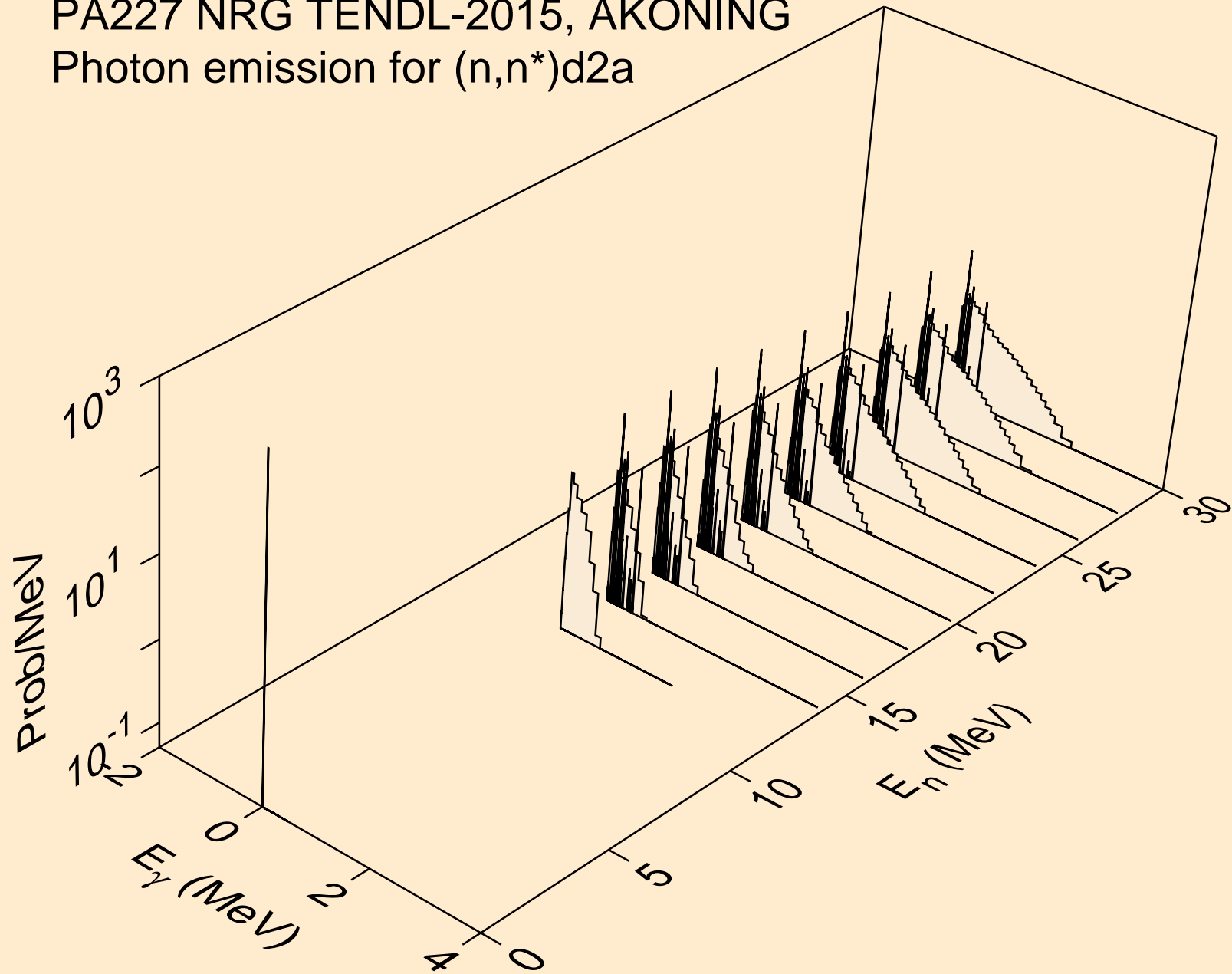




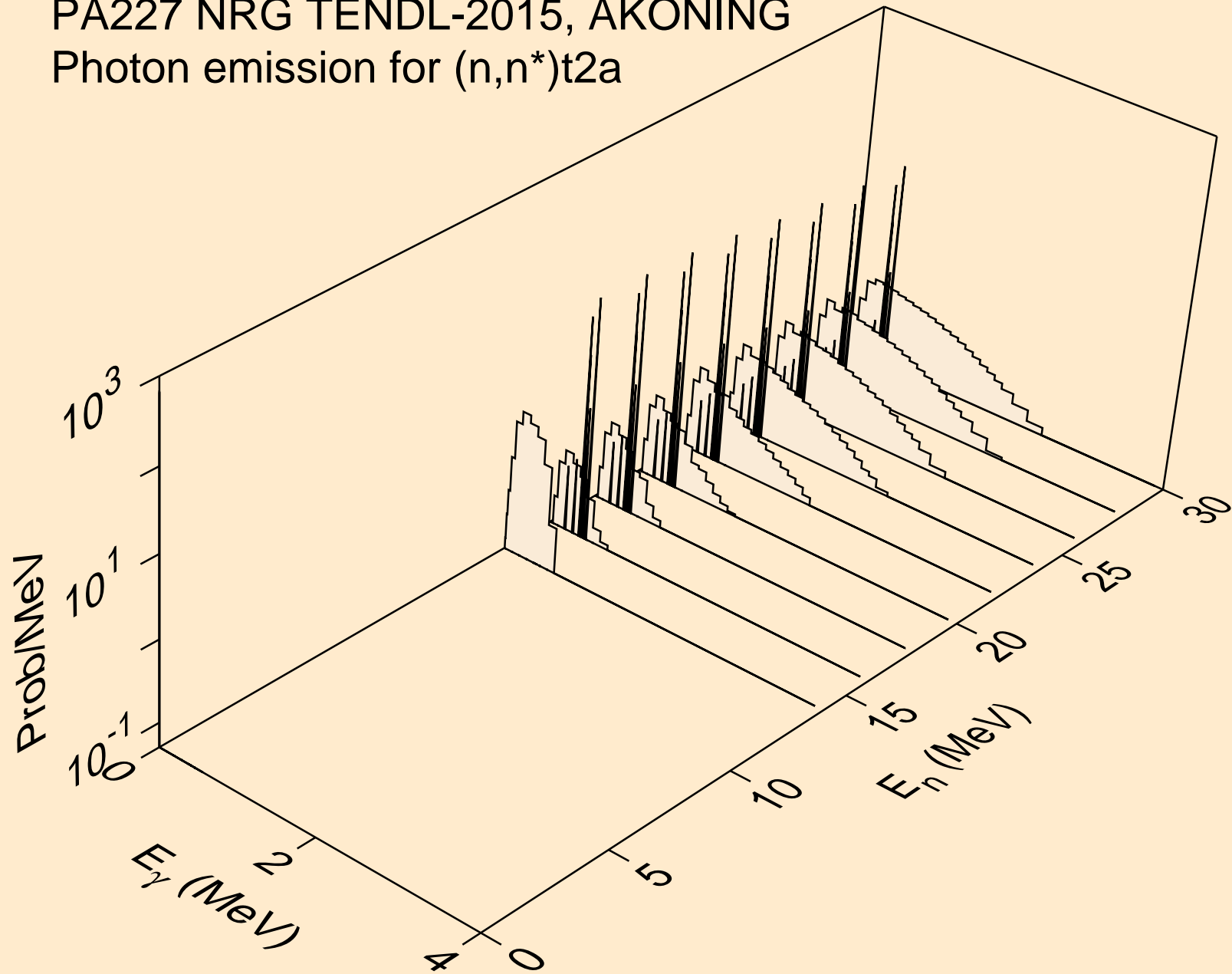
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



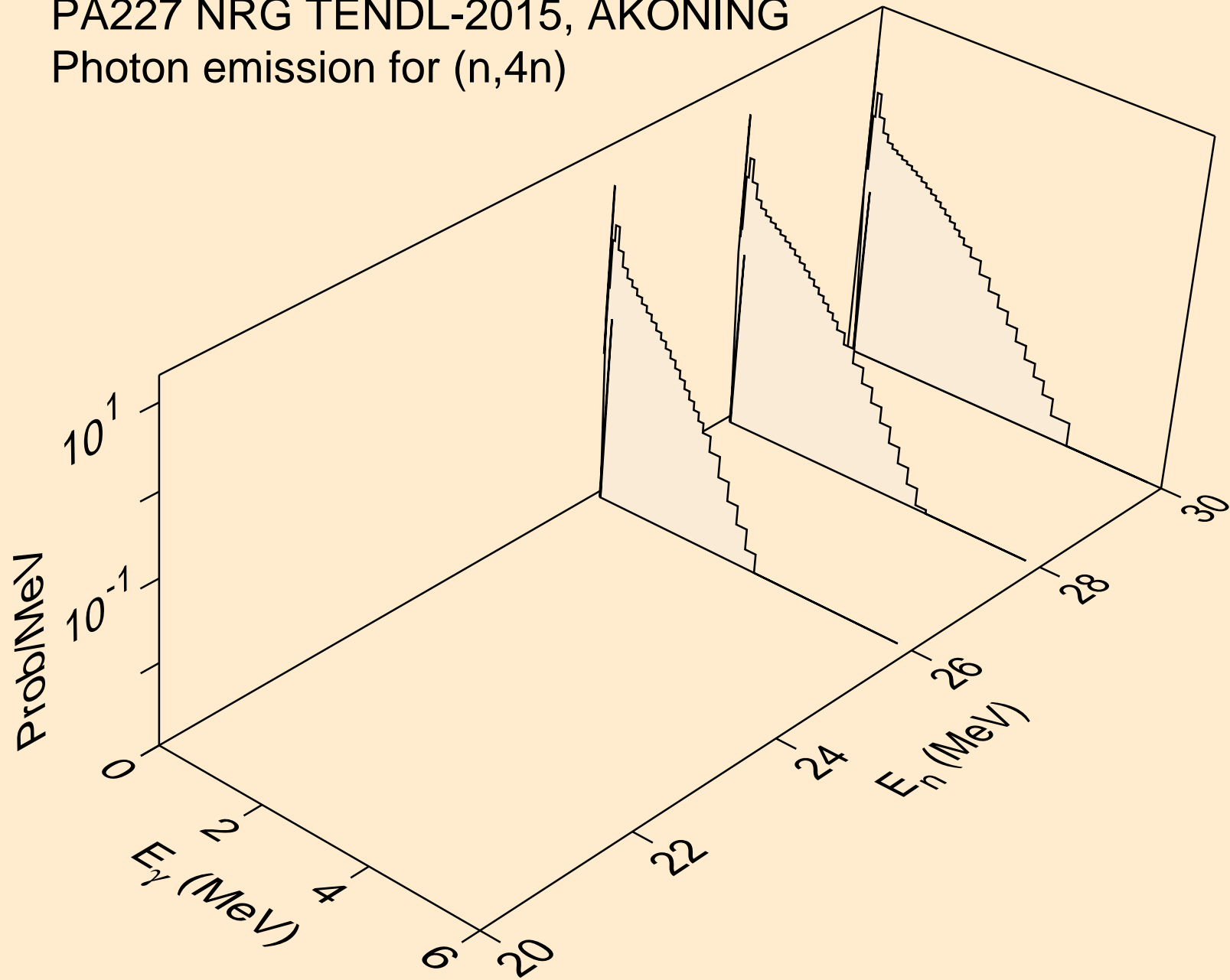
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a



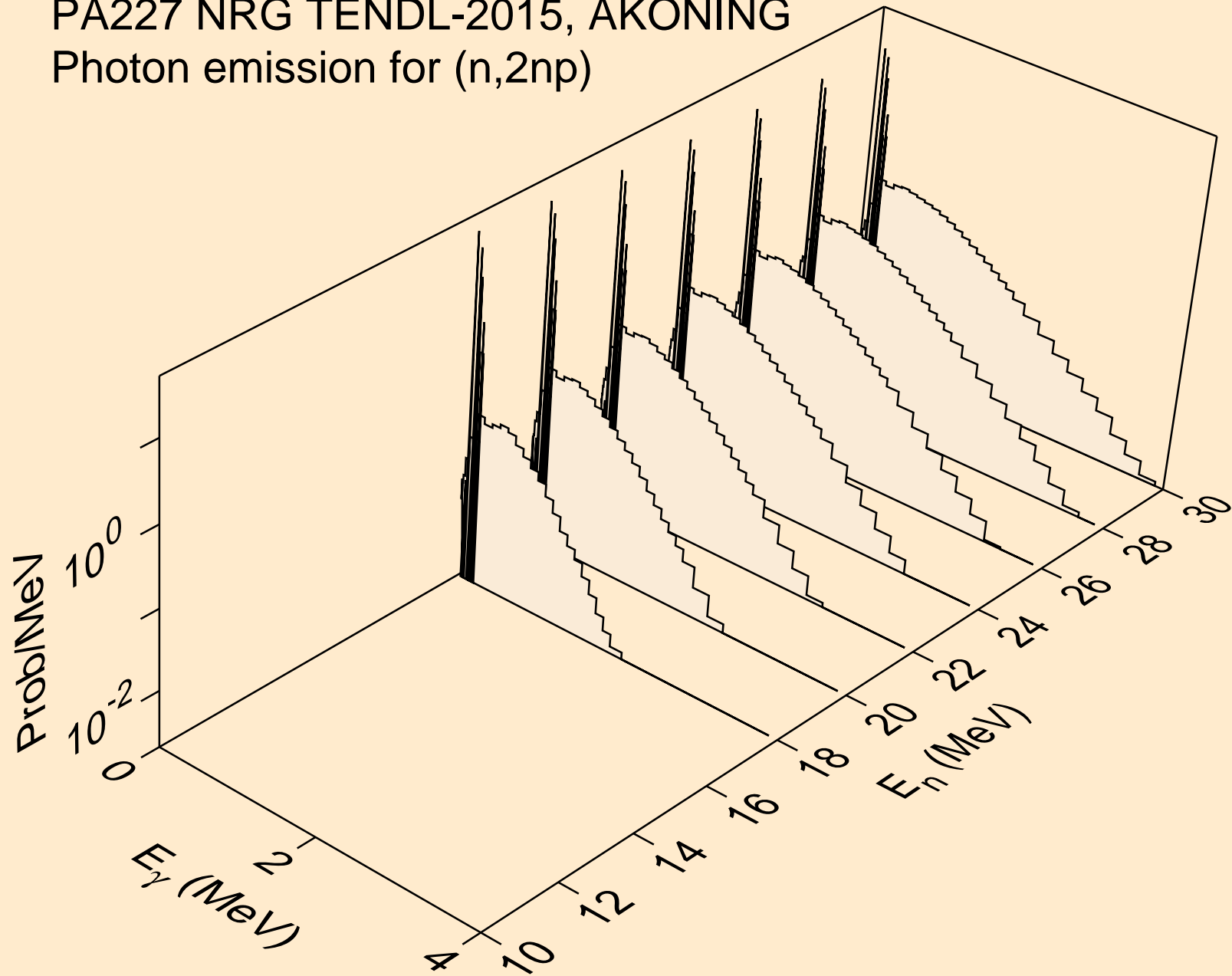
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



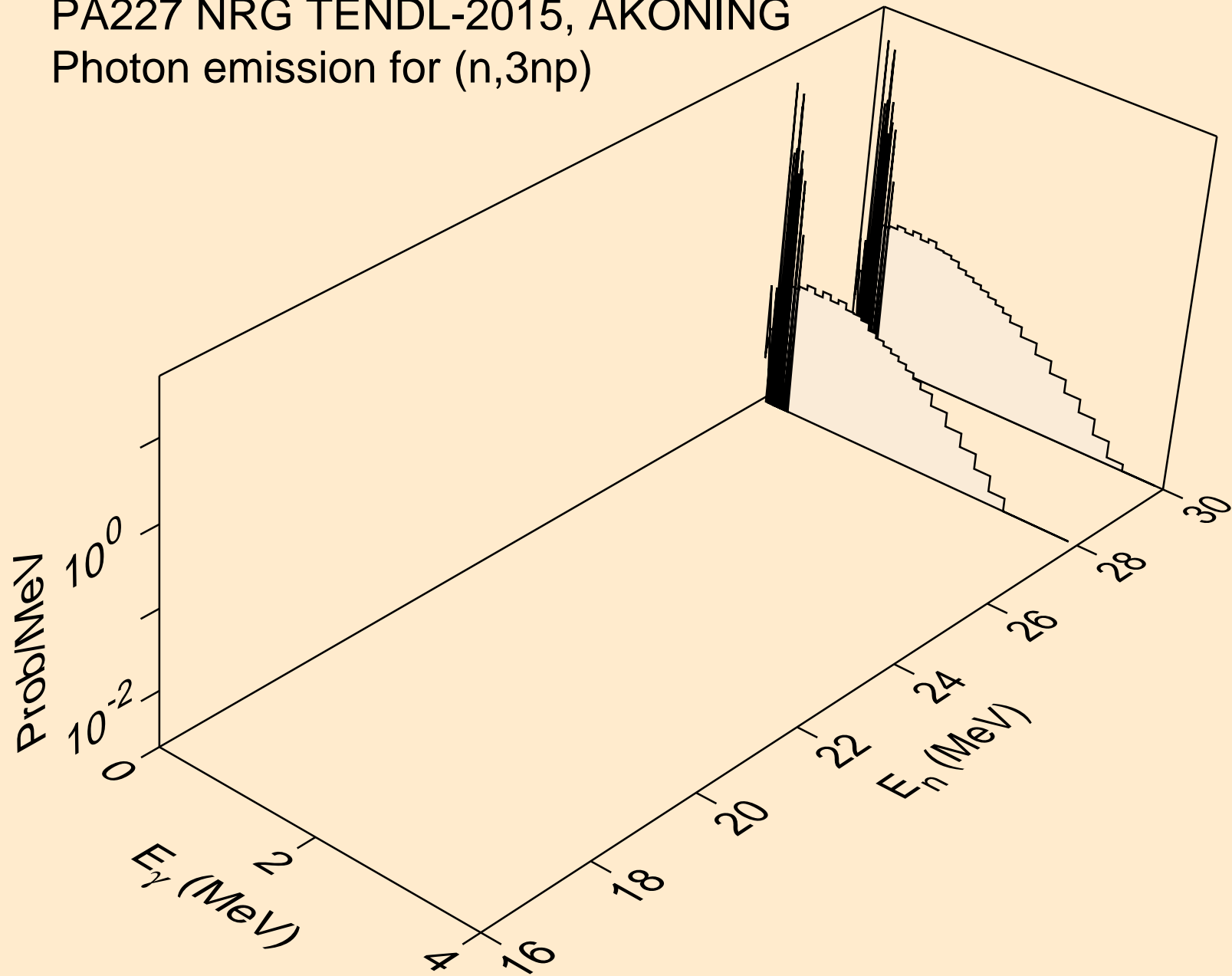
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



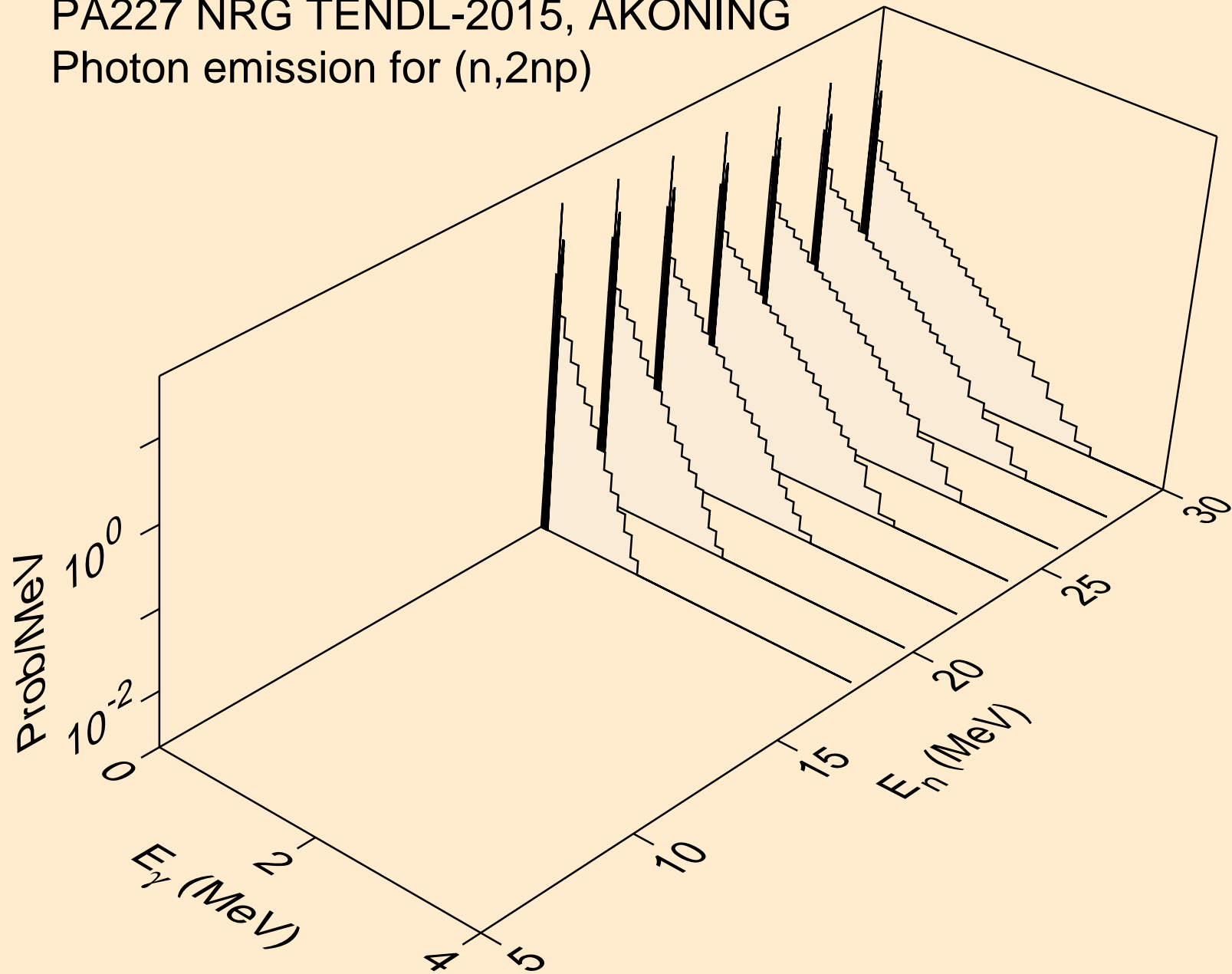
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



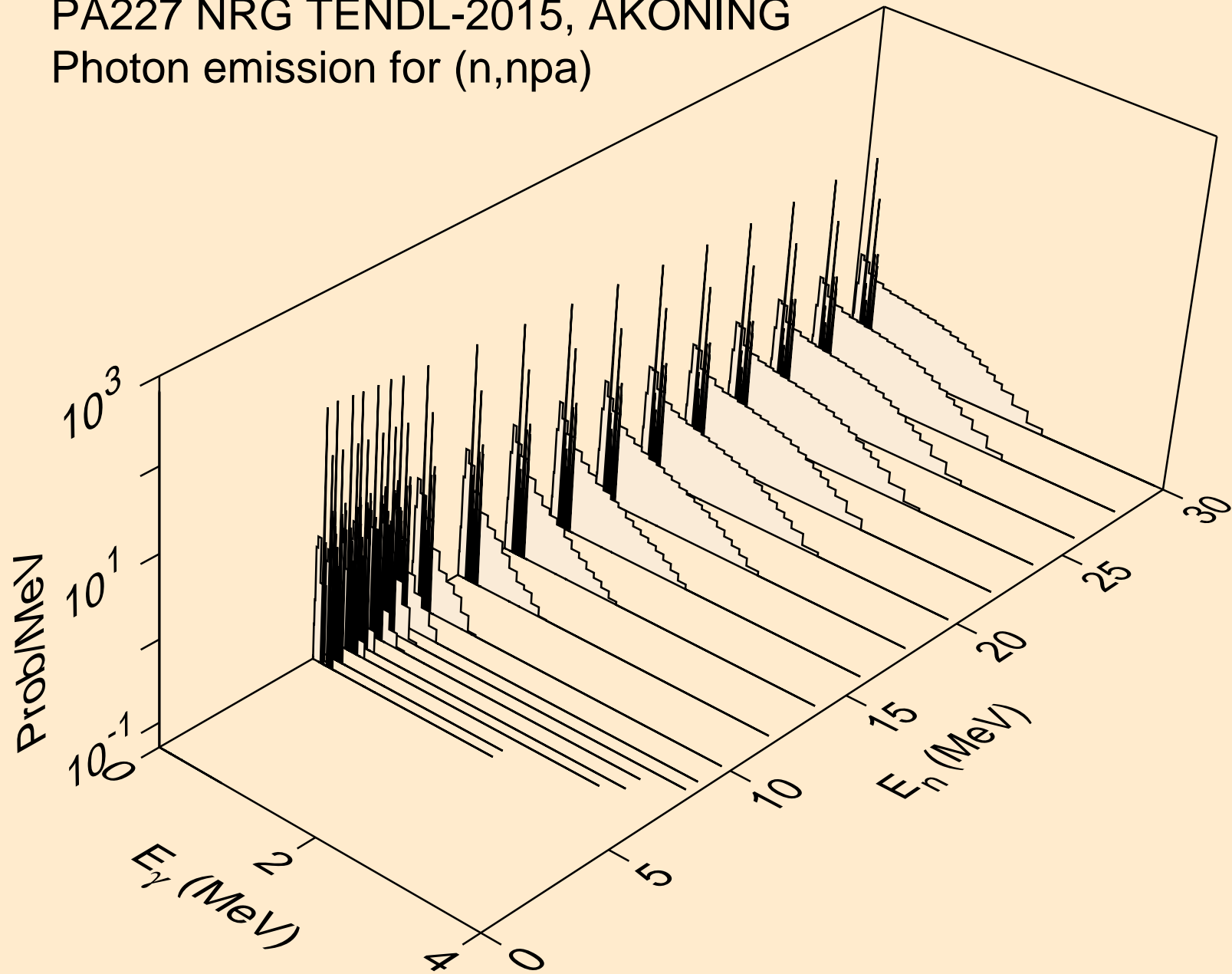
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

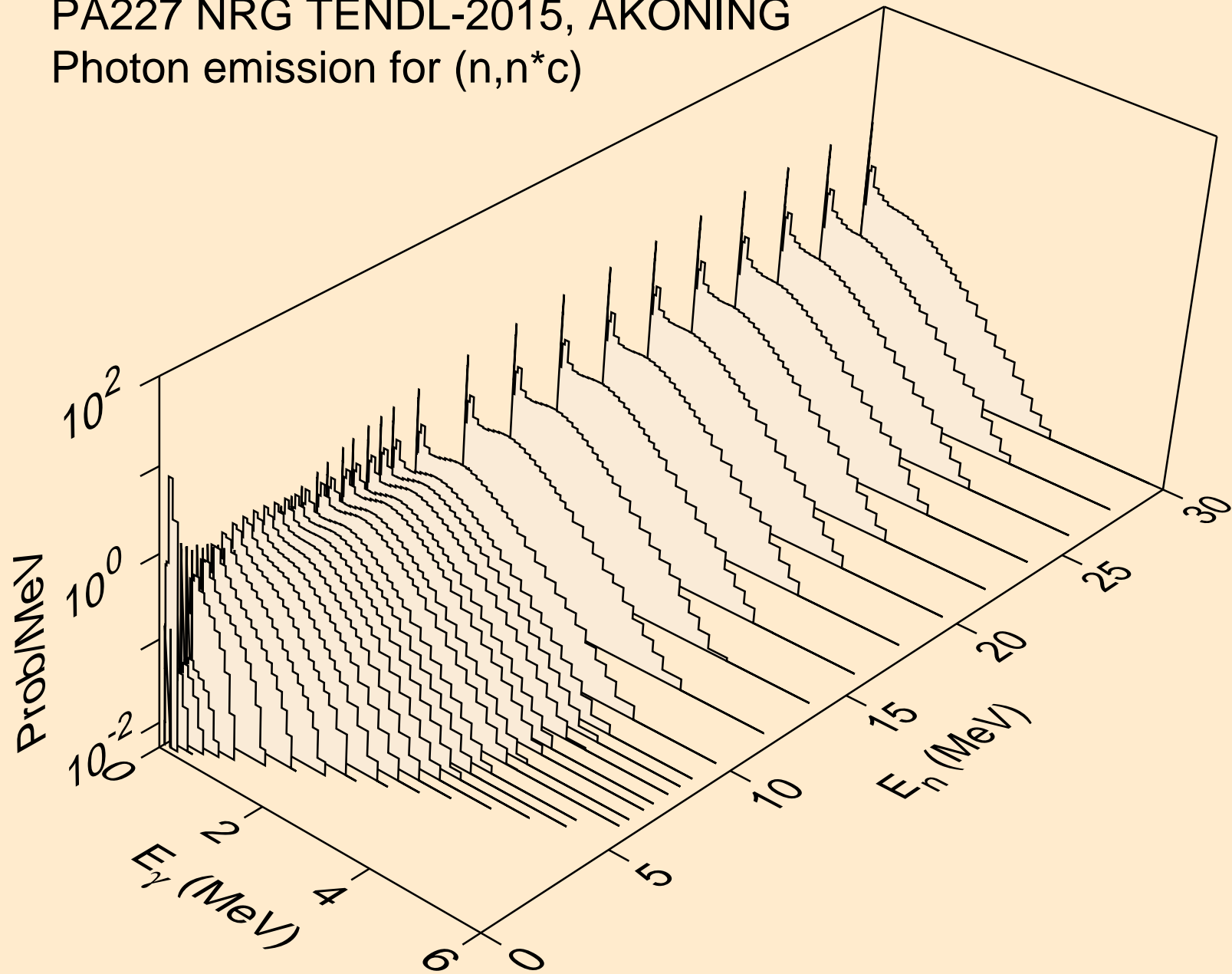


PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

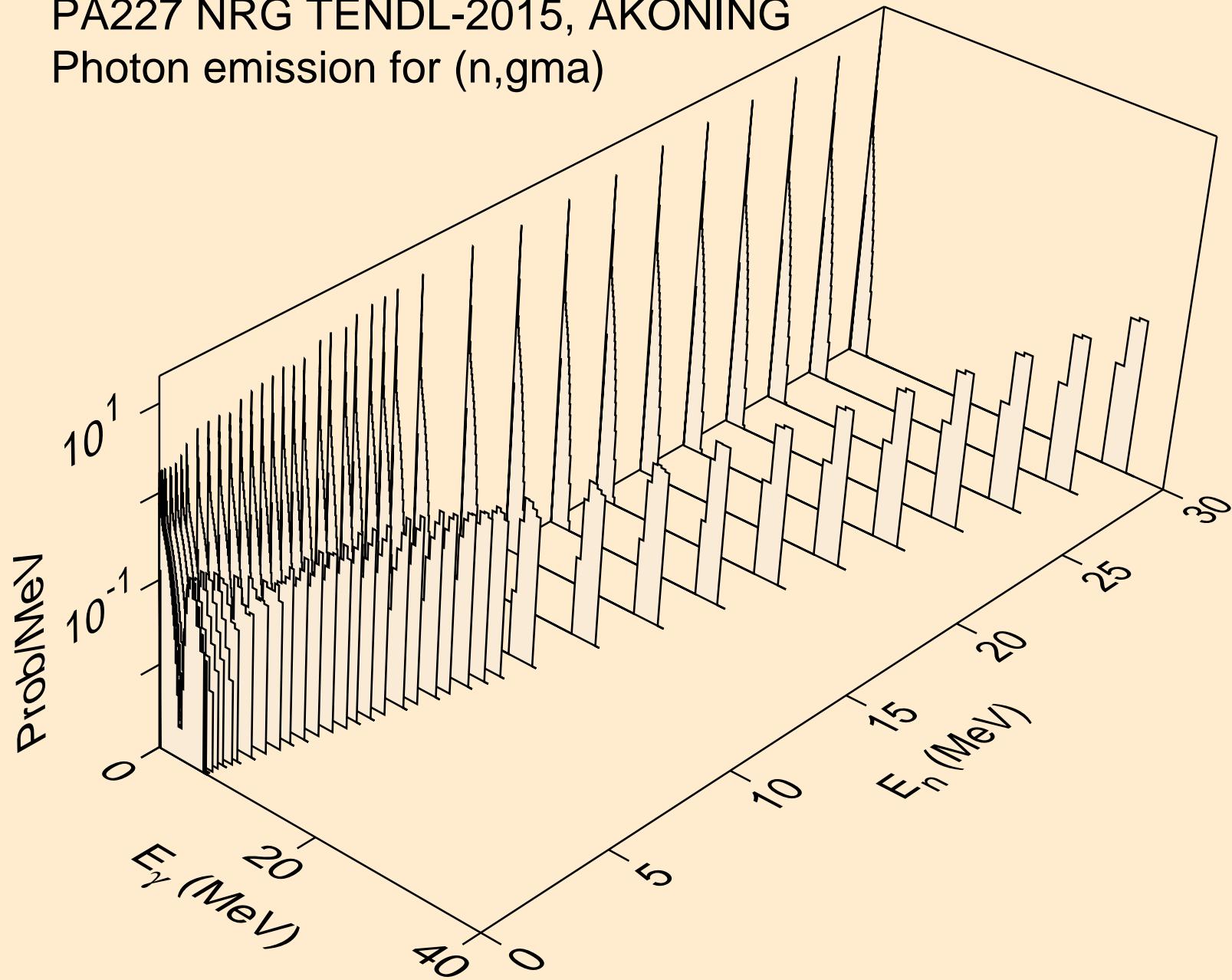




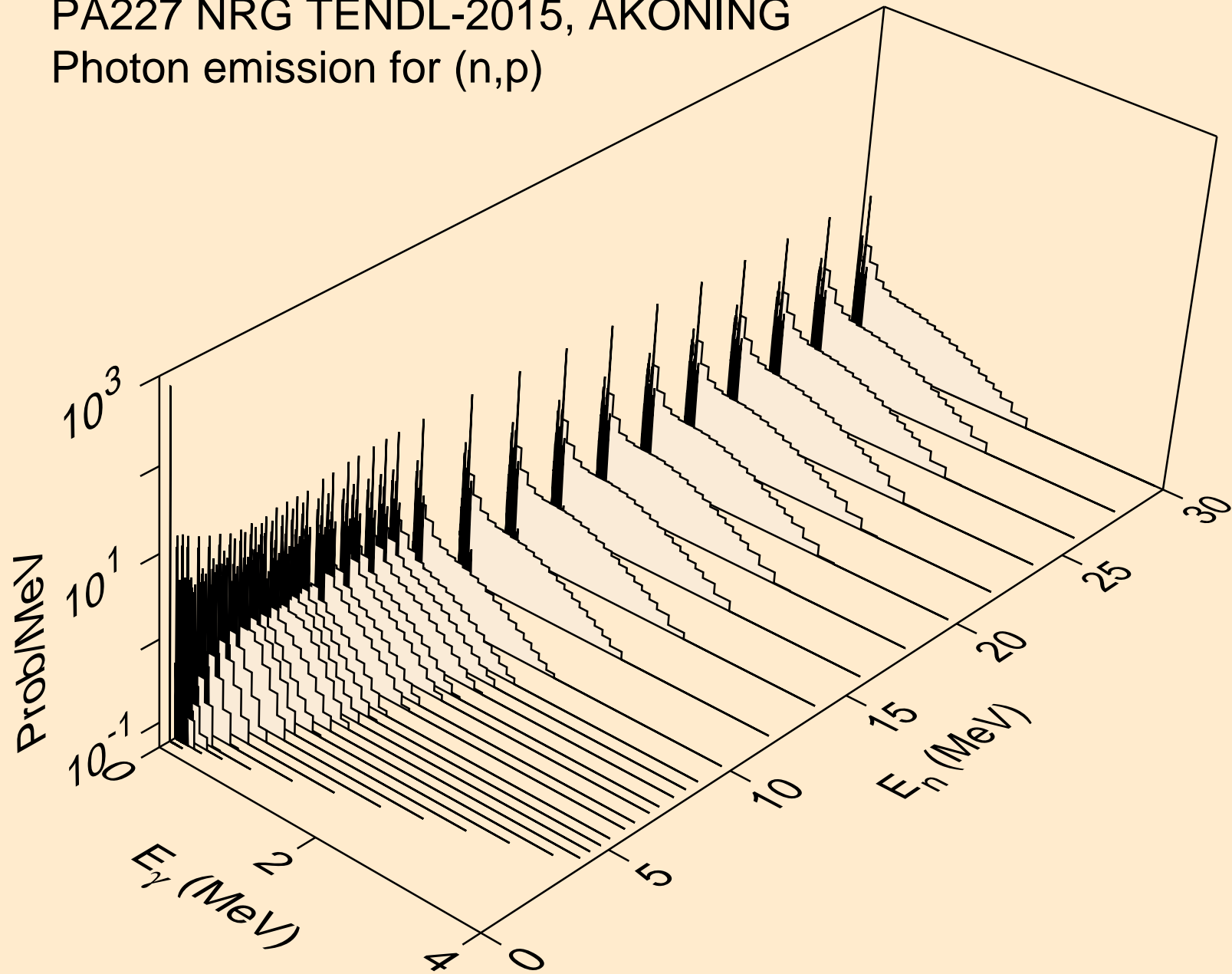
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



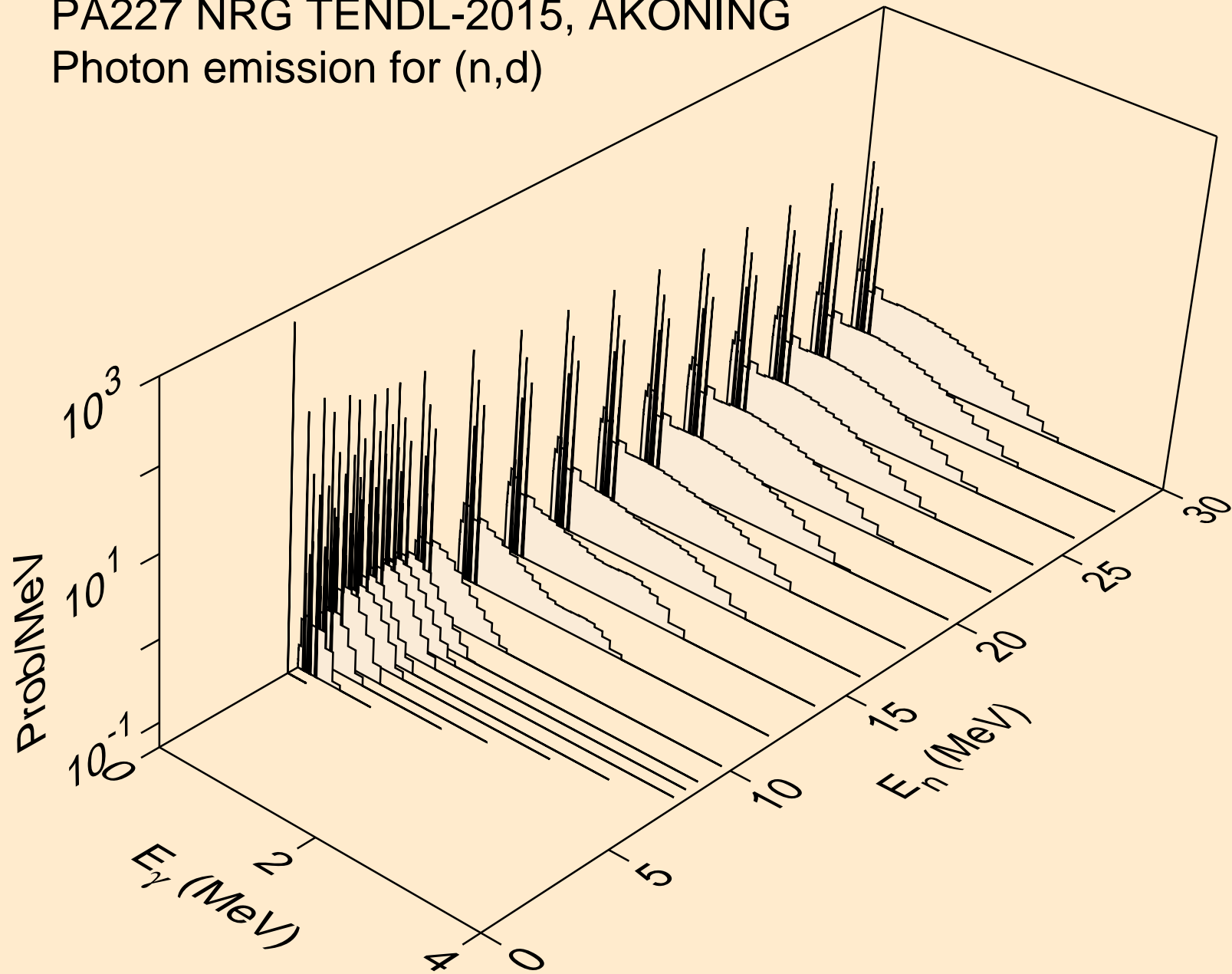
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



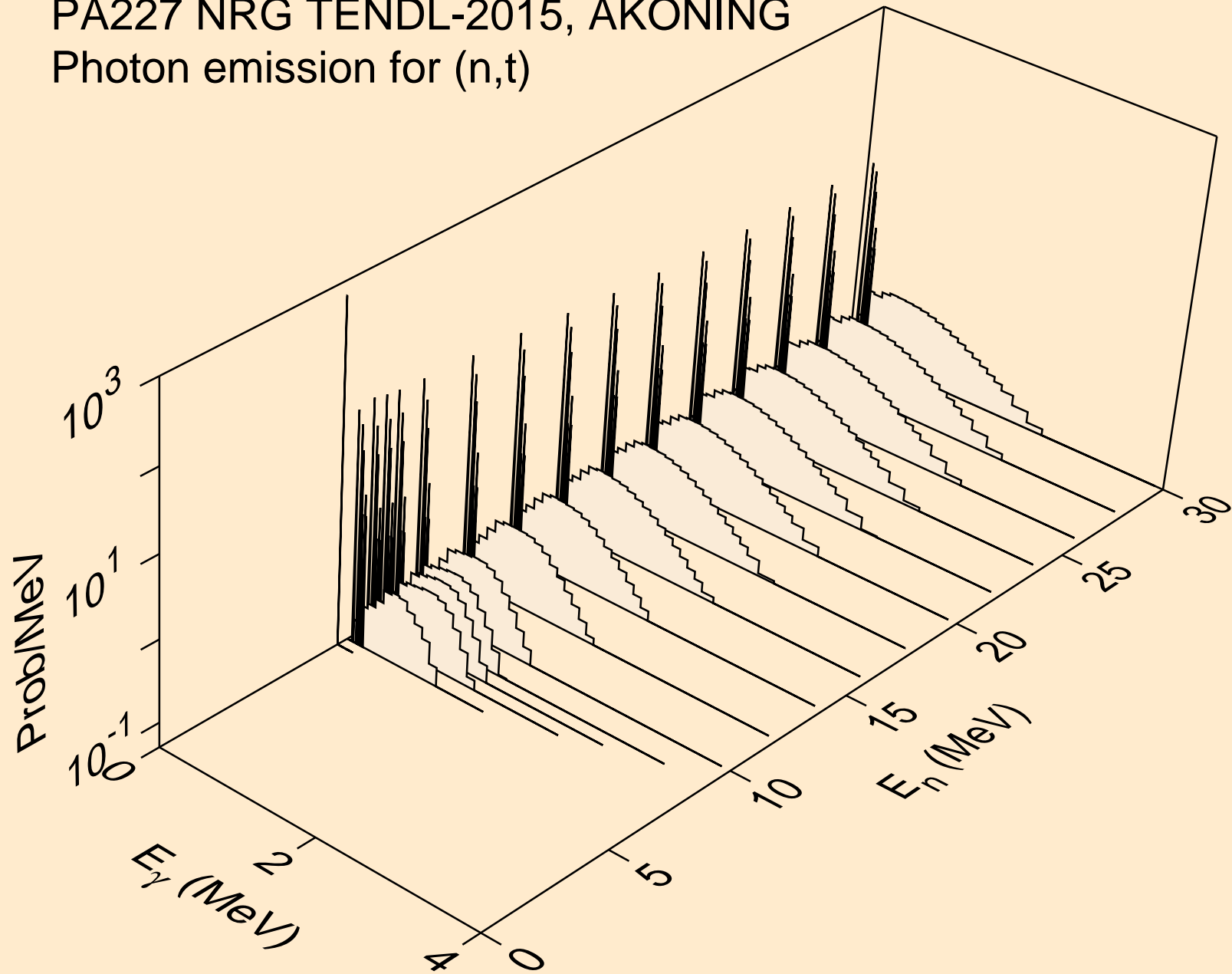
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



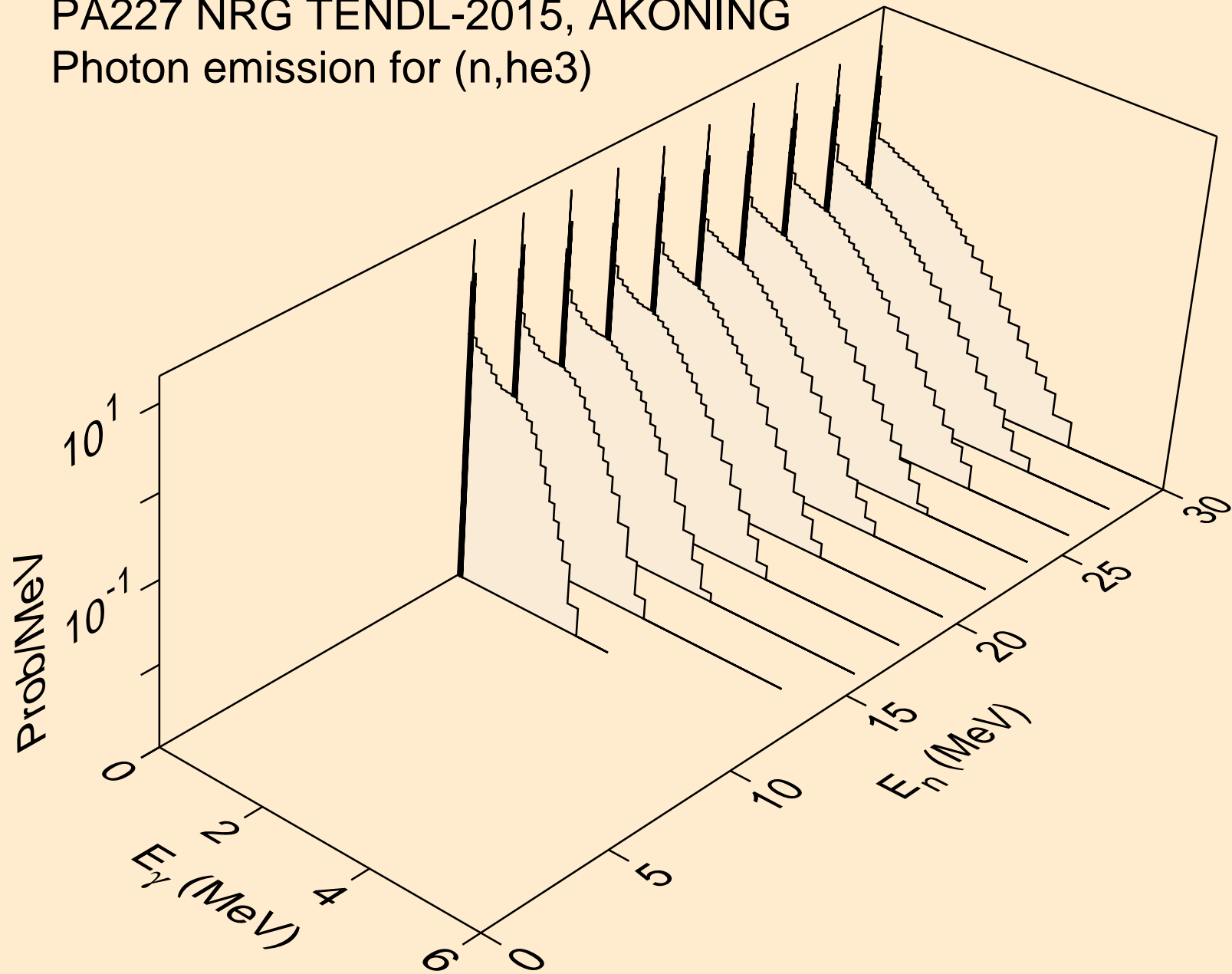
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



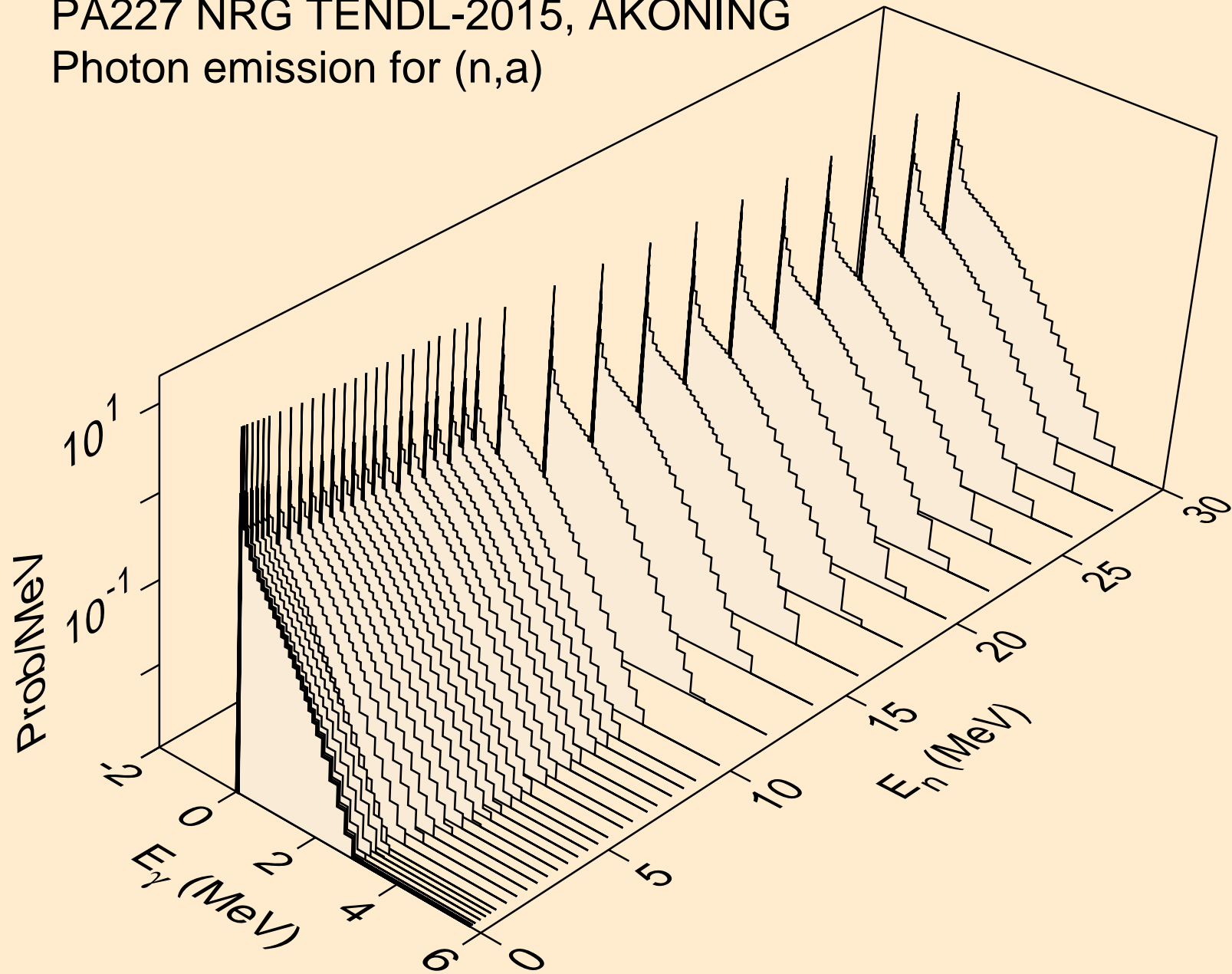
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



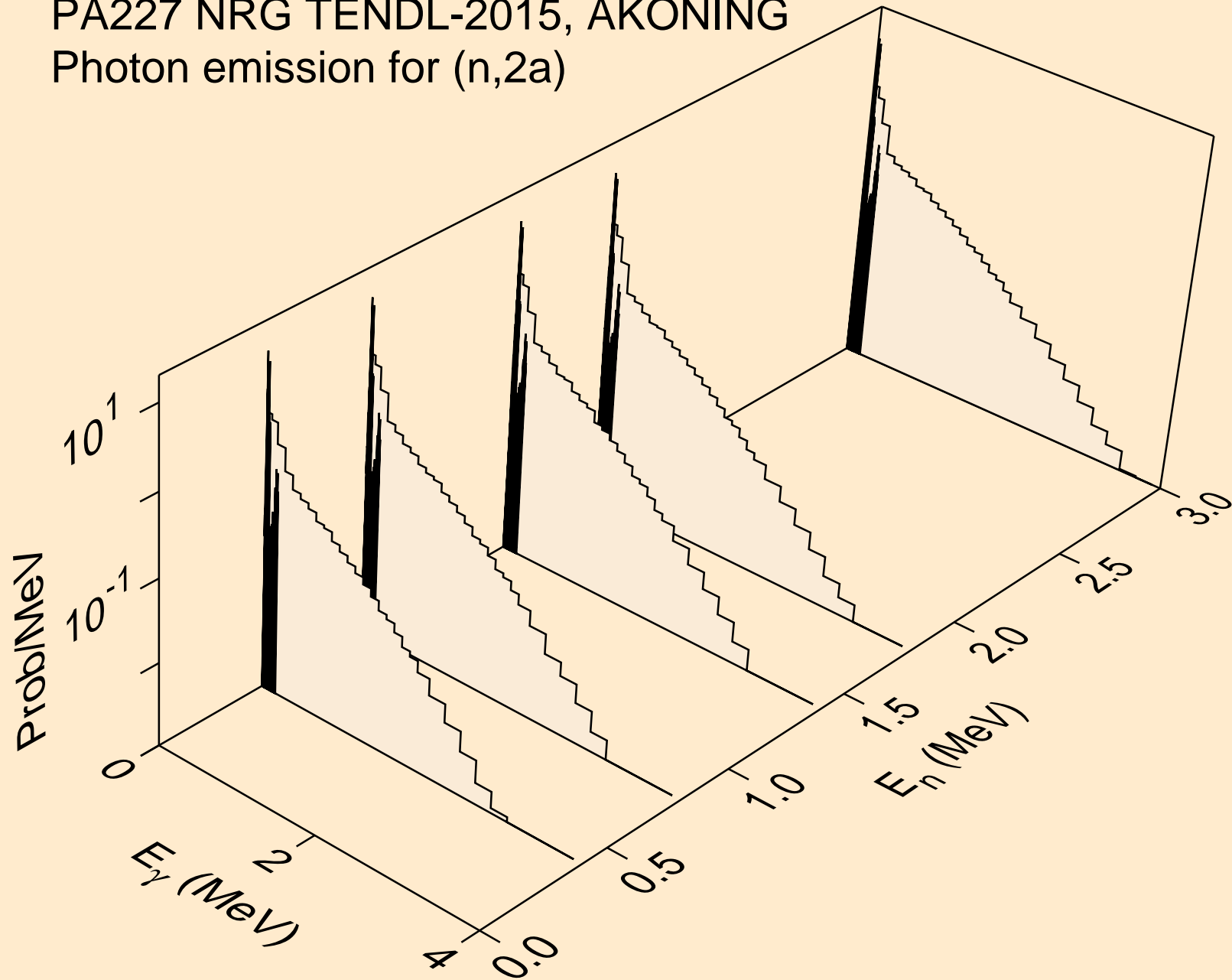
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,a)

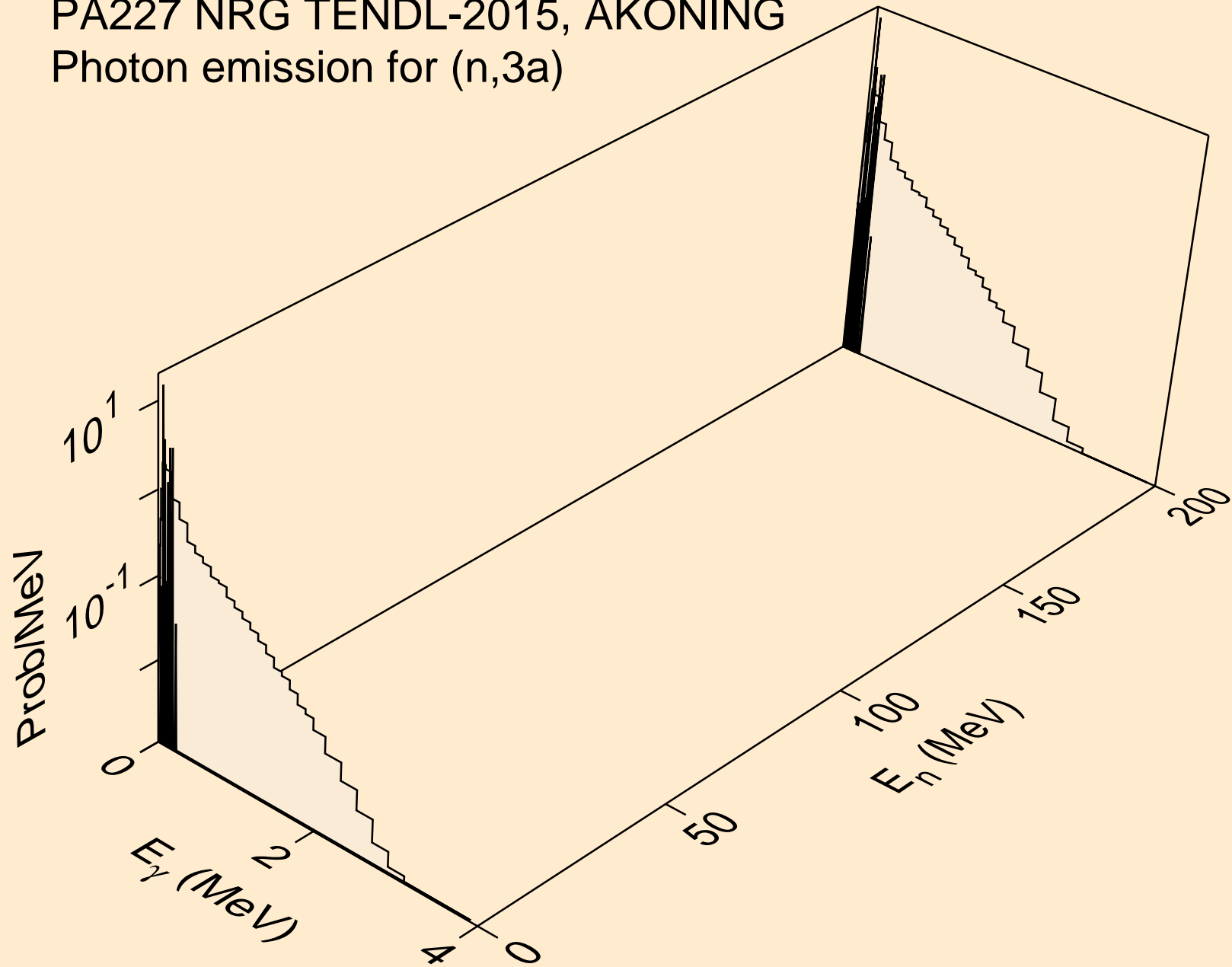


PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)

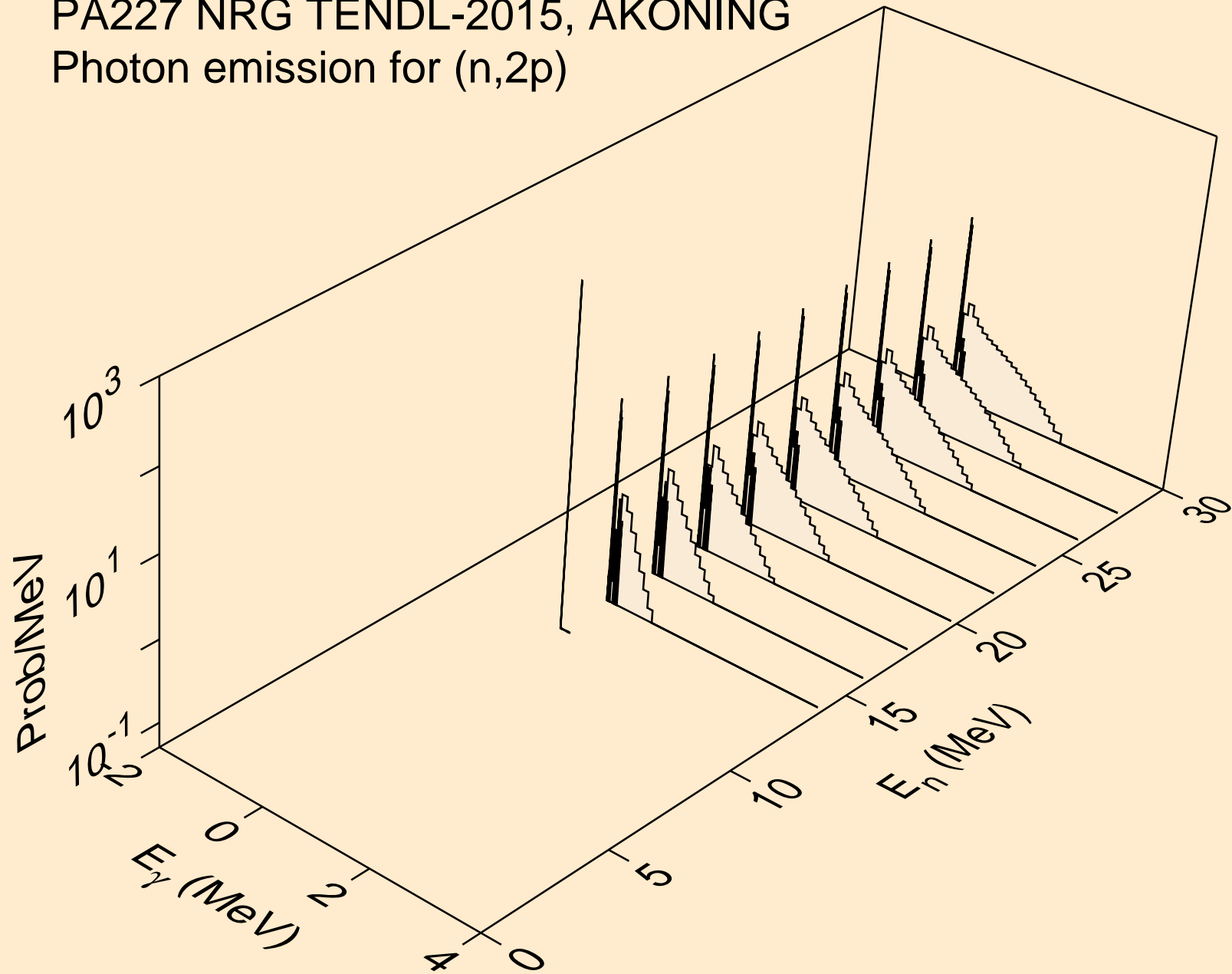




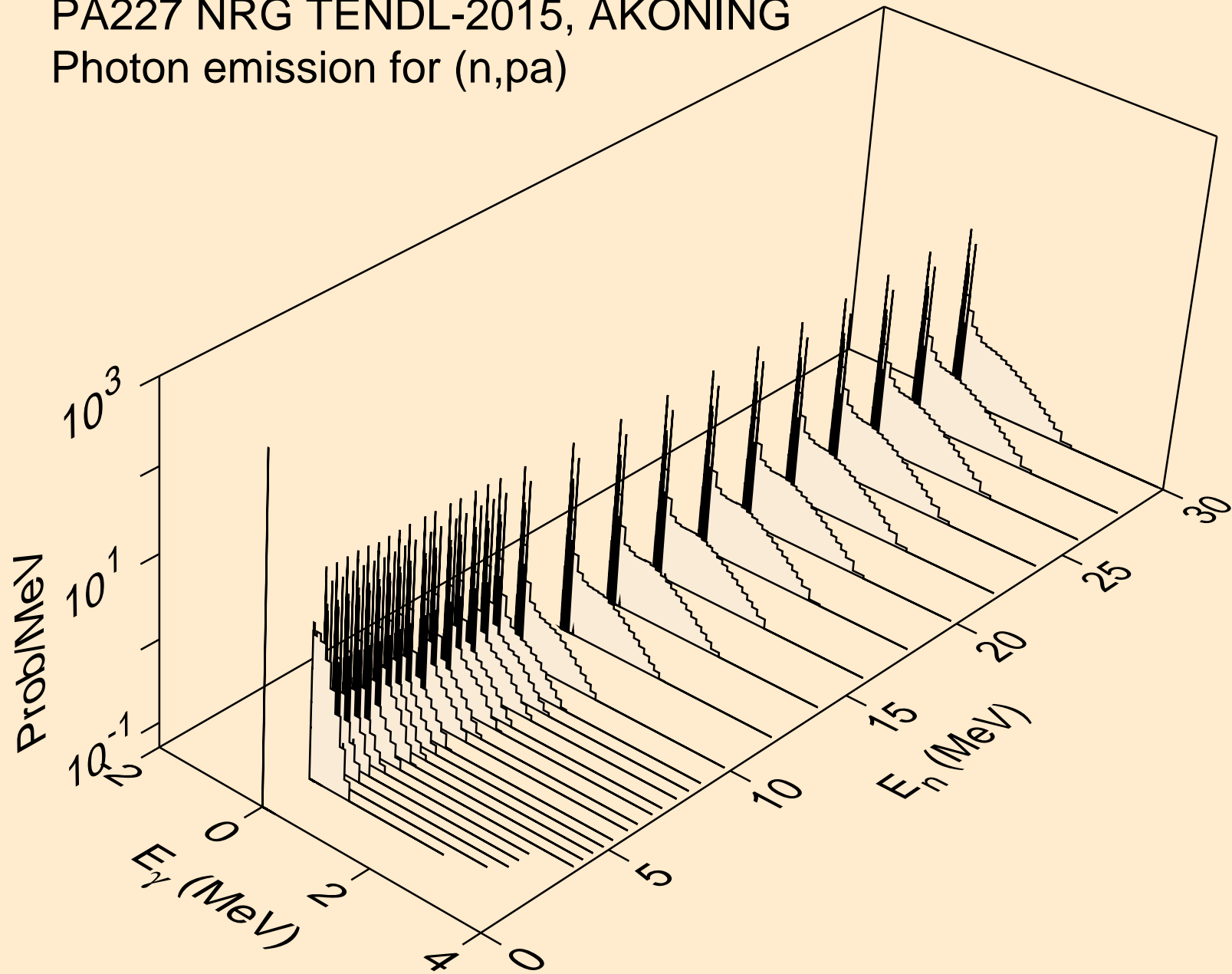
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



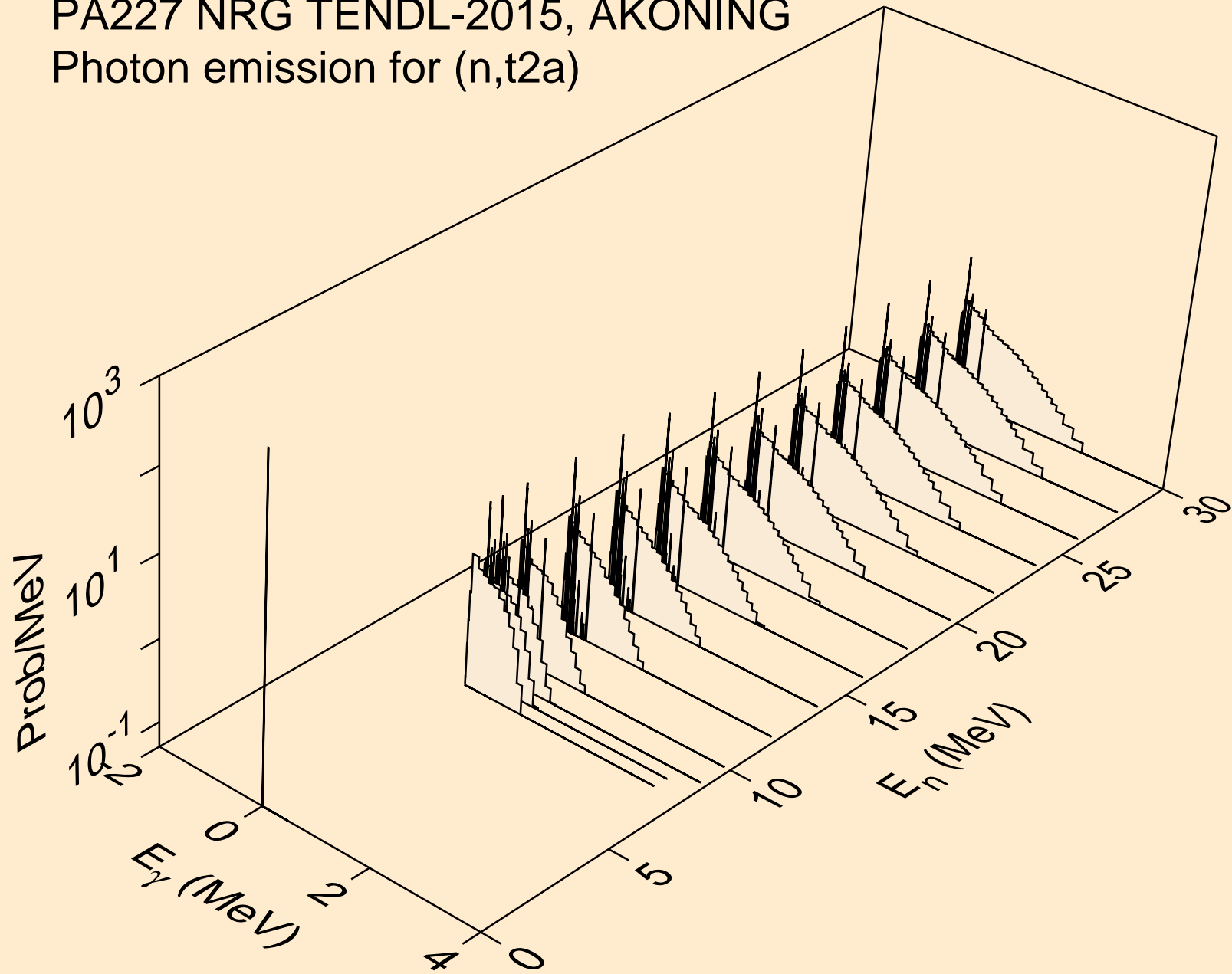
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



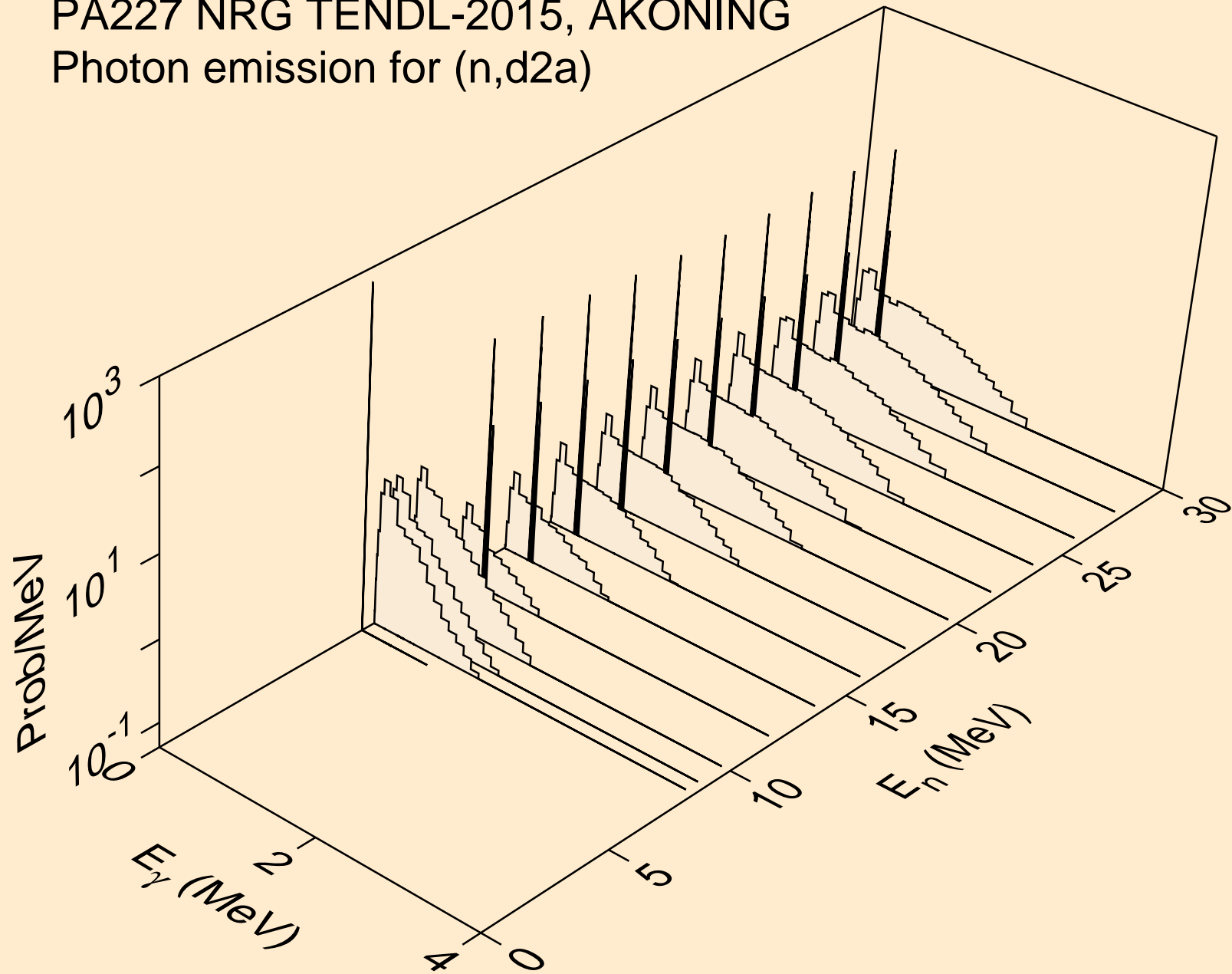
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



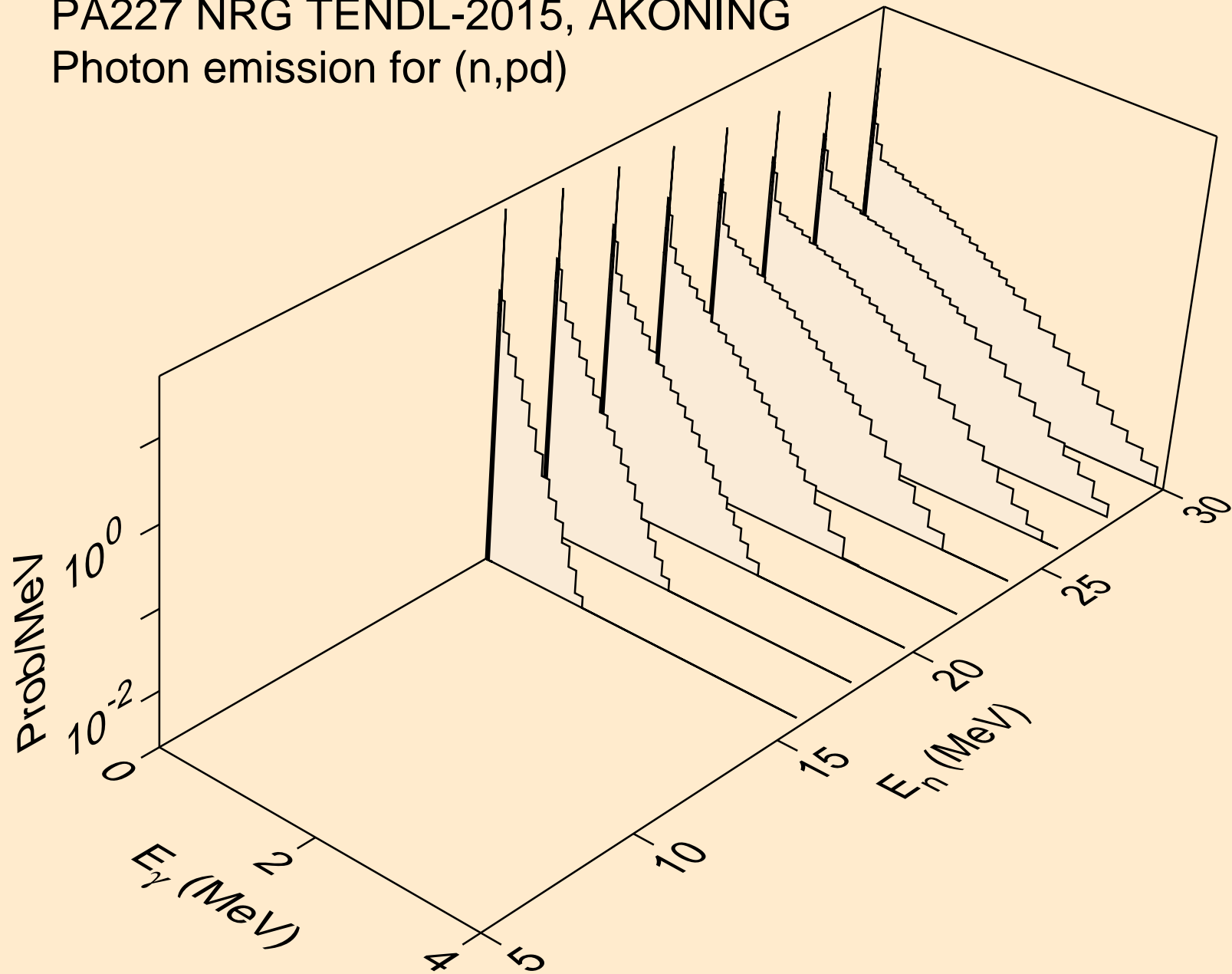
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



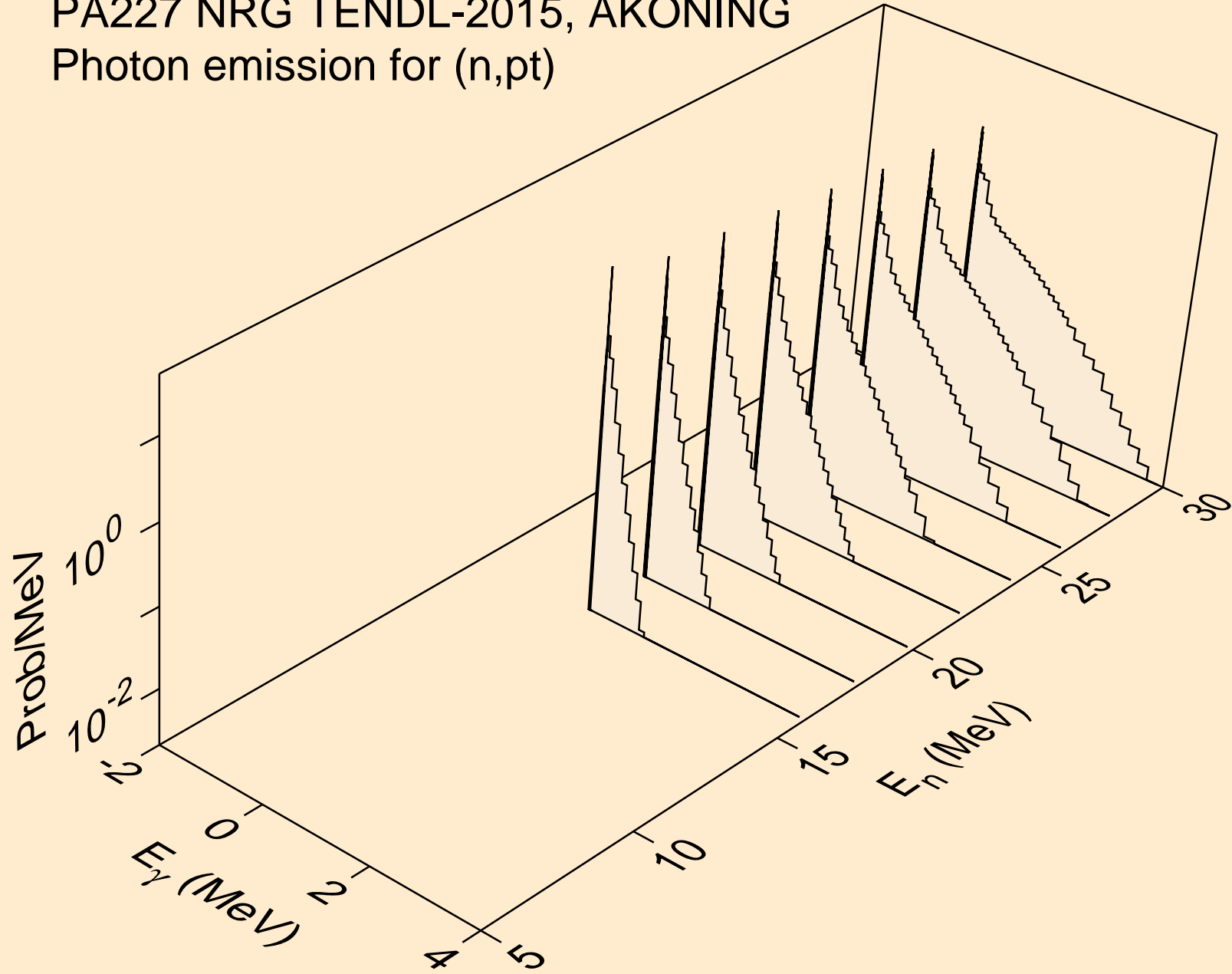
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



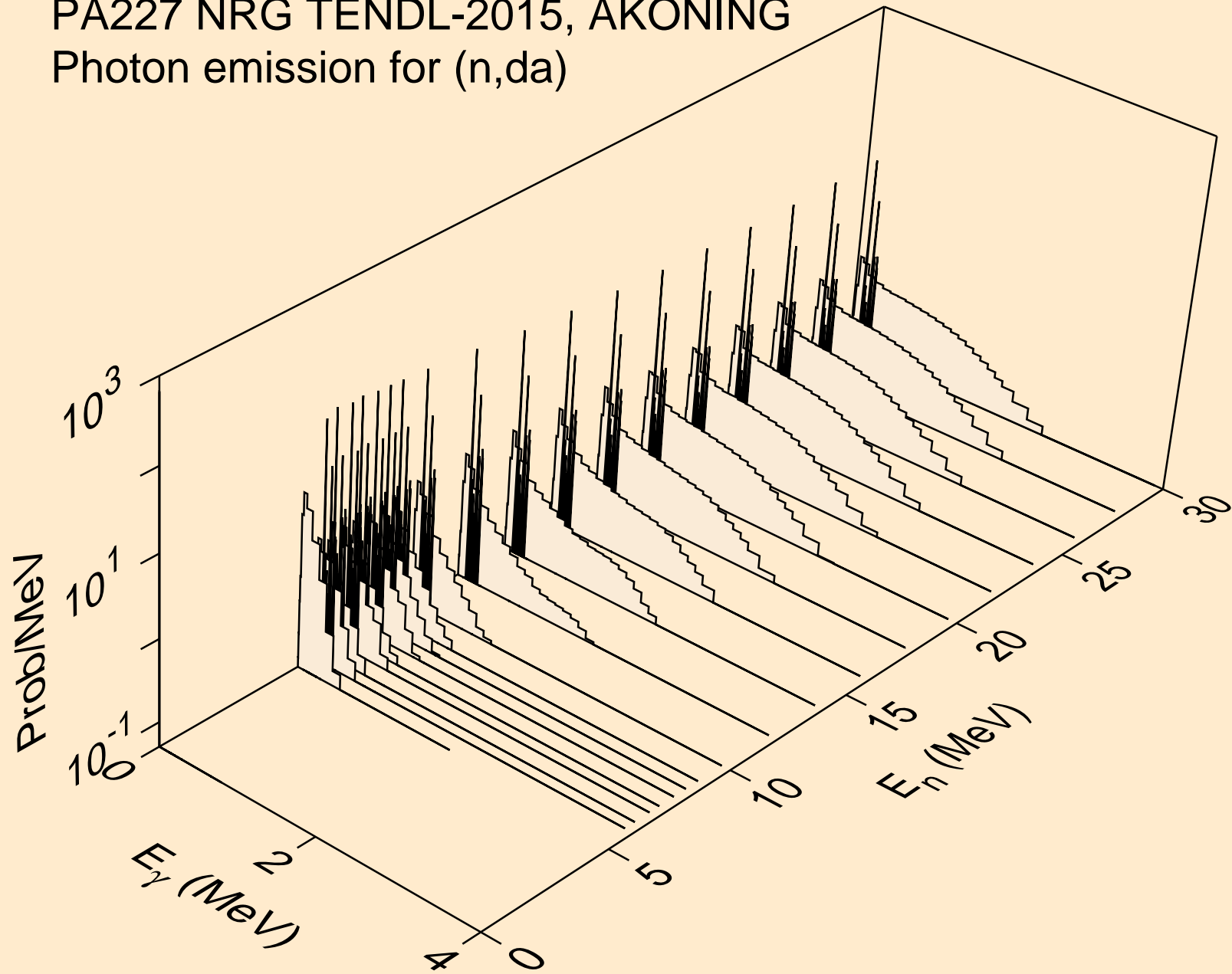
PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

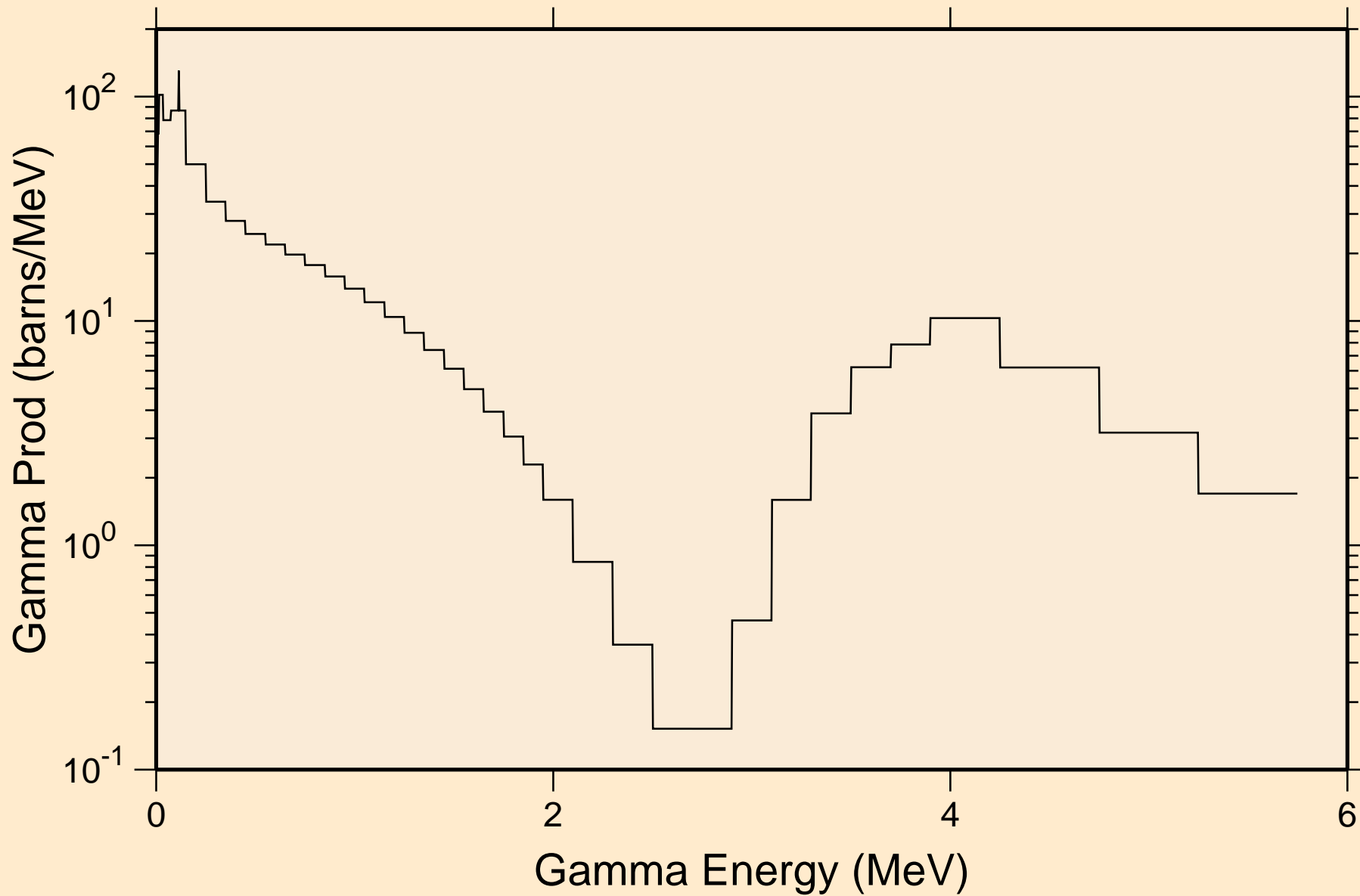


PA227 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

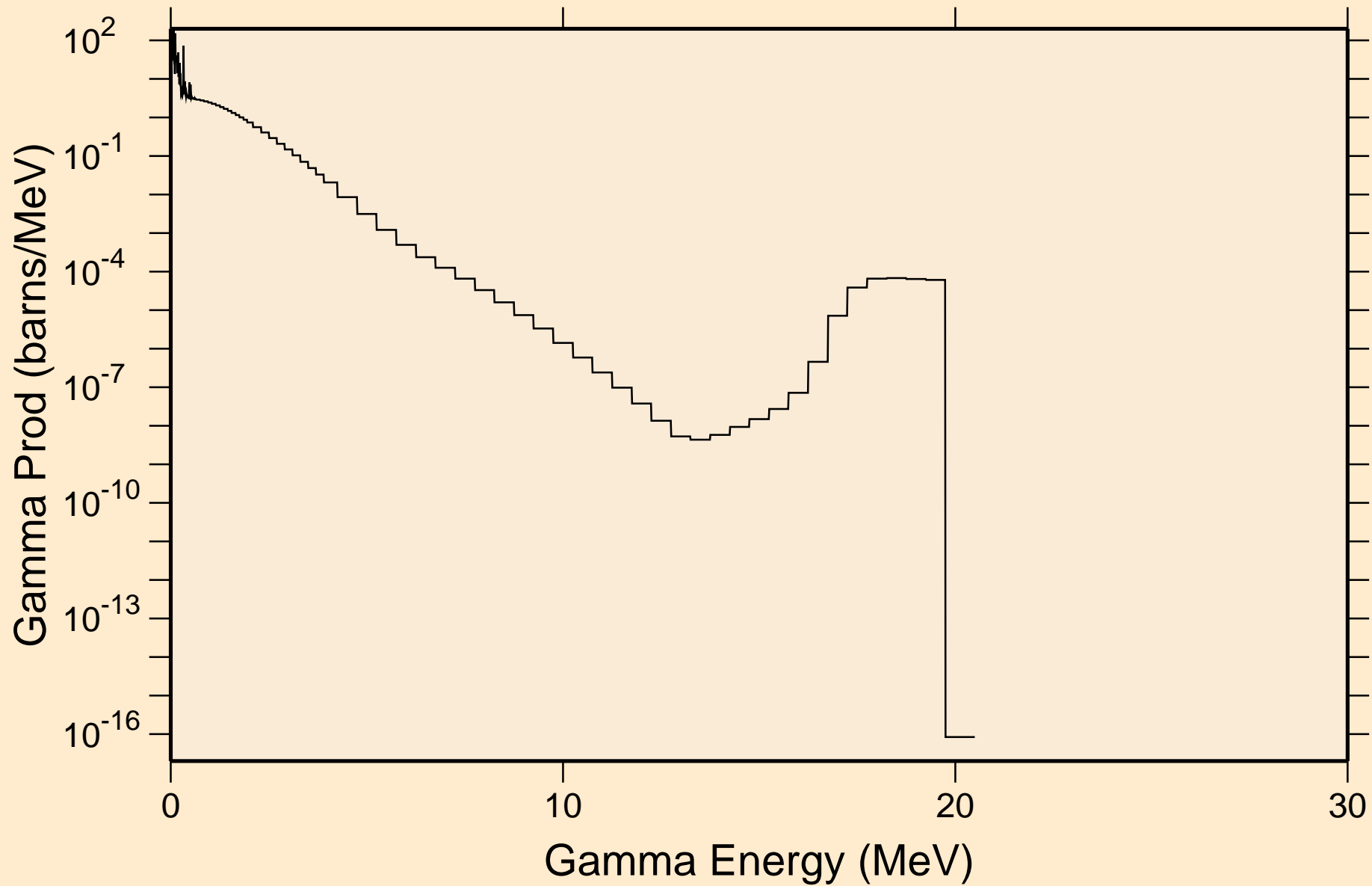




PA227 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

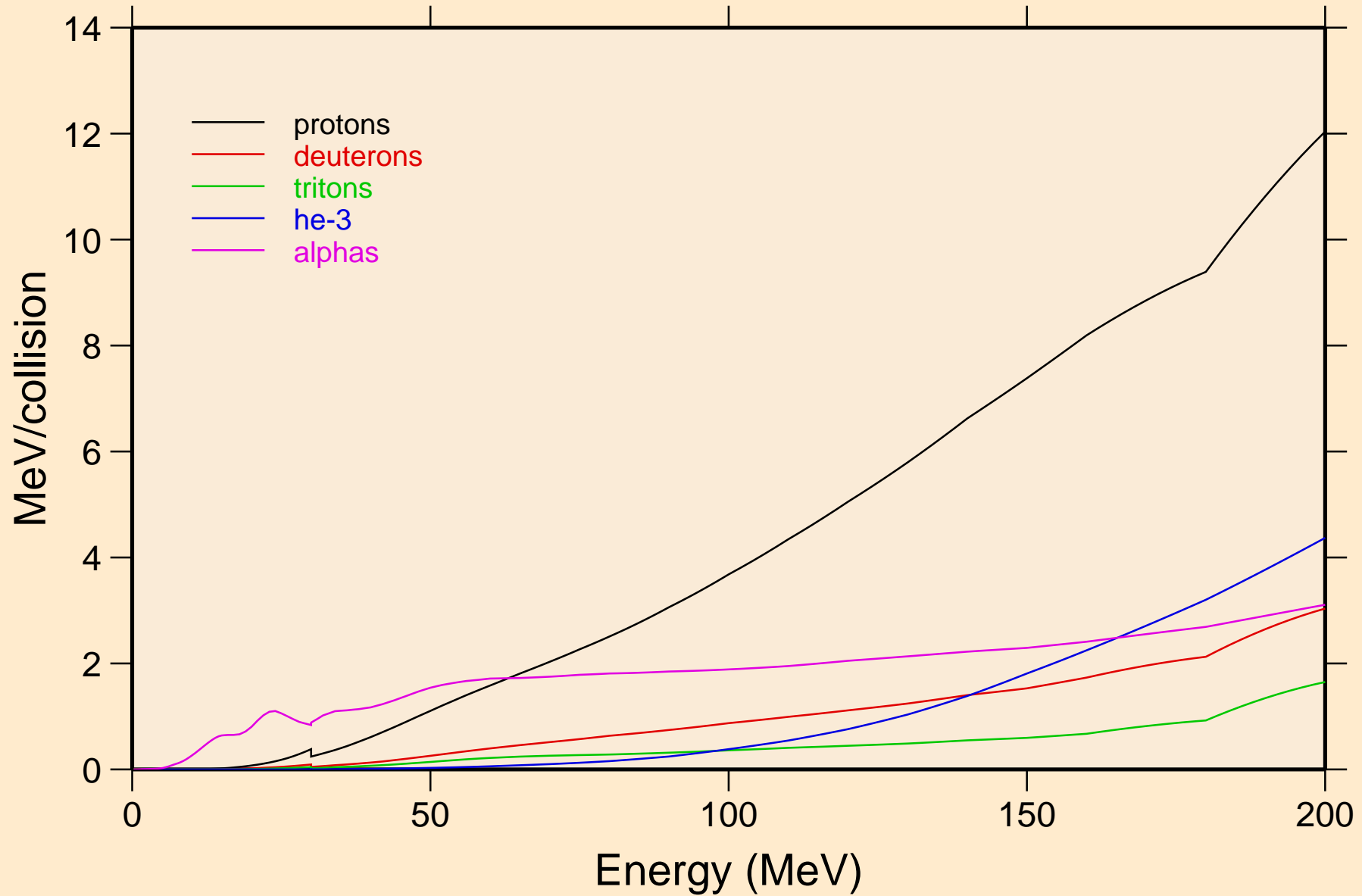


PA227 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



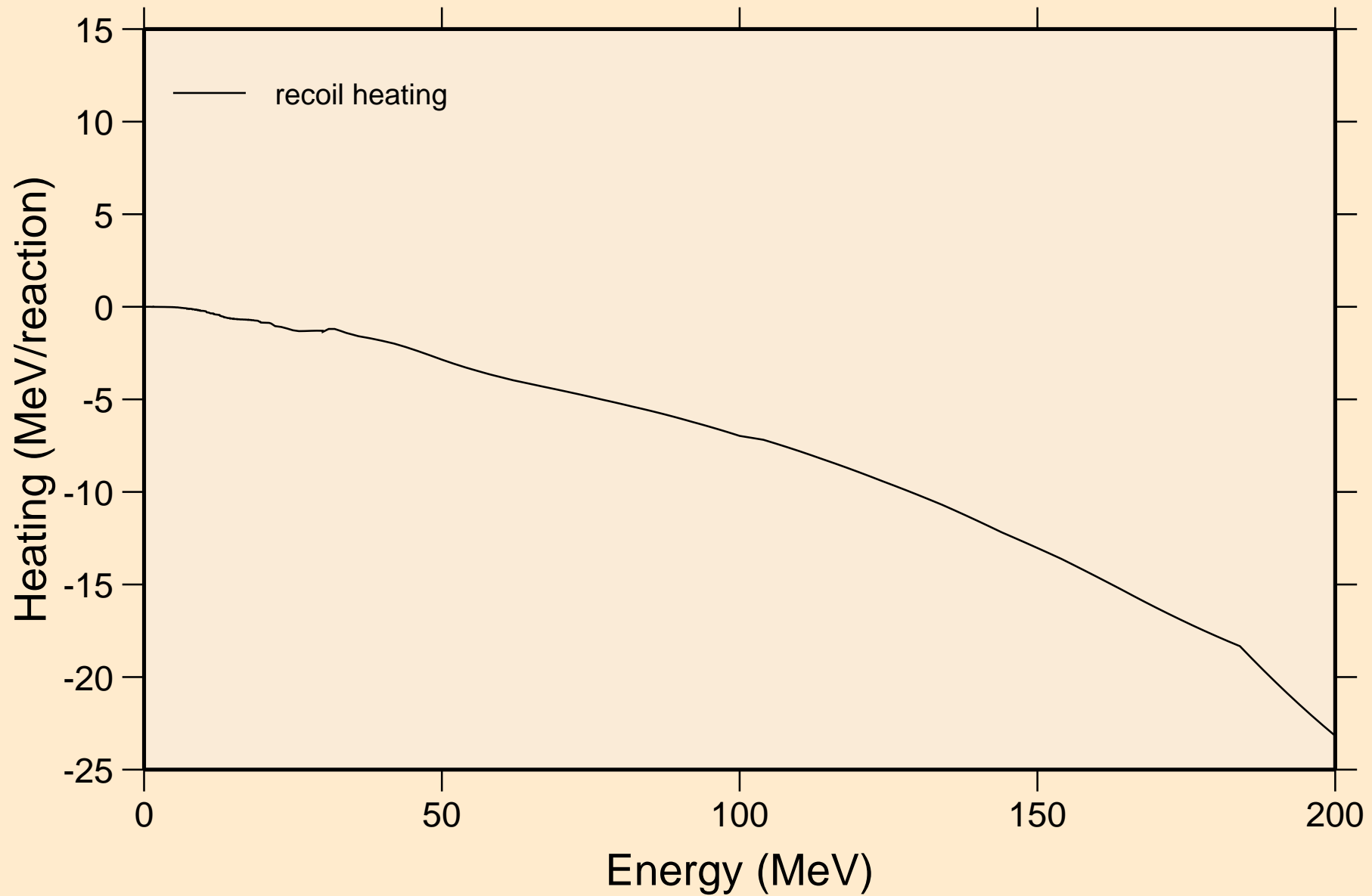
# PA227 NRG TENDL-2015, AKONING

## Particle heating contributions



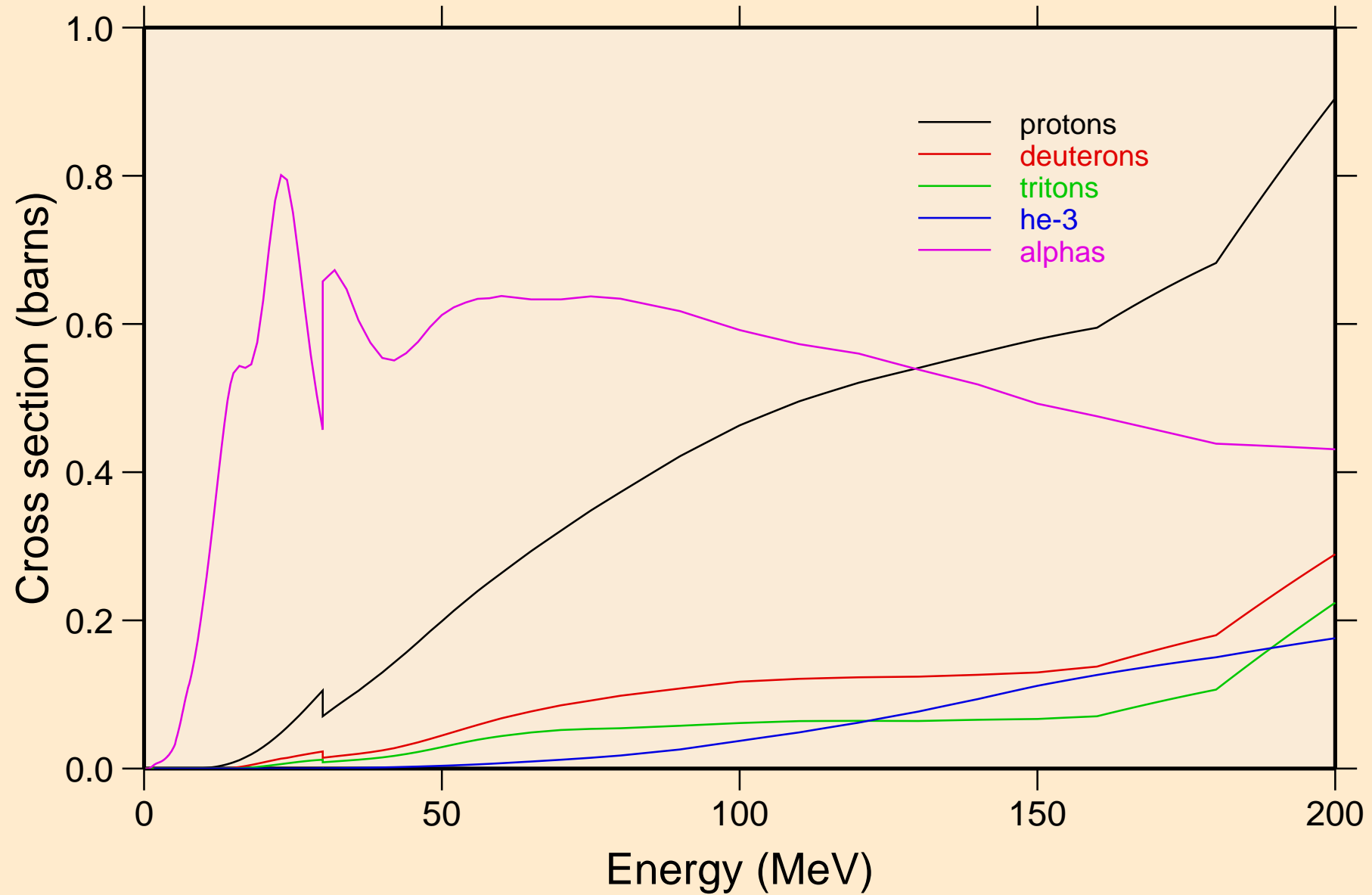
# PA227 NRG TENDL-2015, AKONING

## Recoil Heating

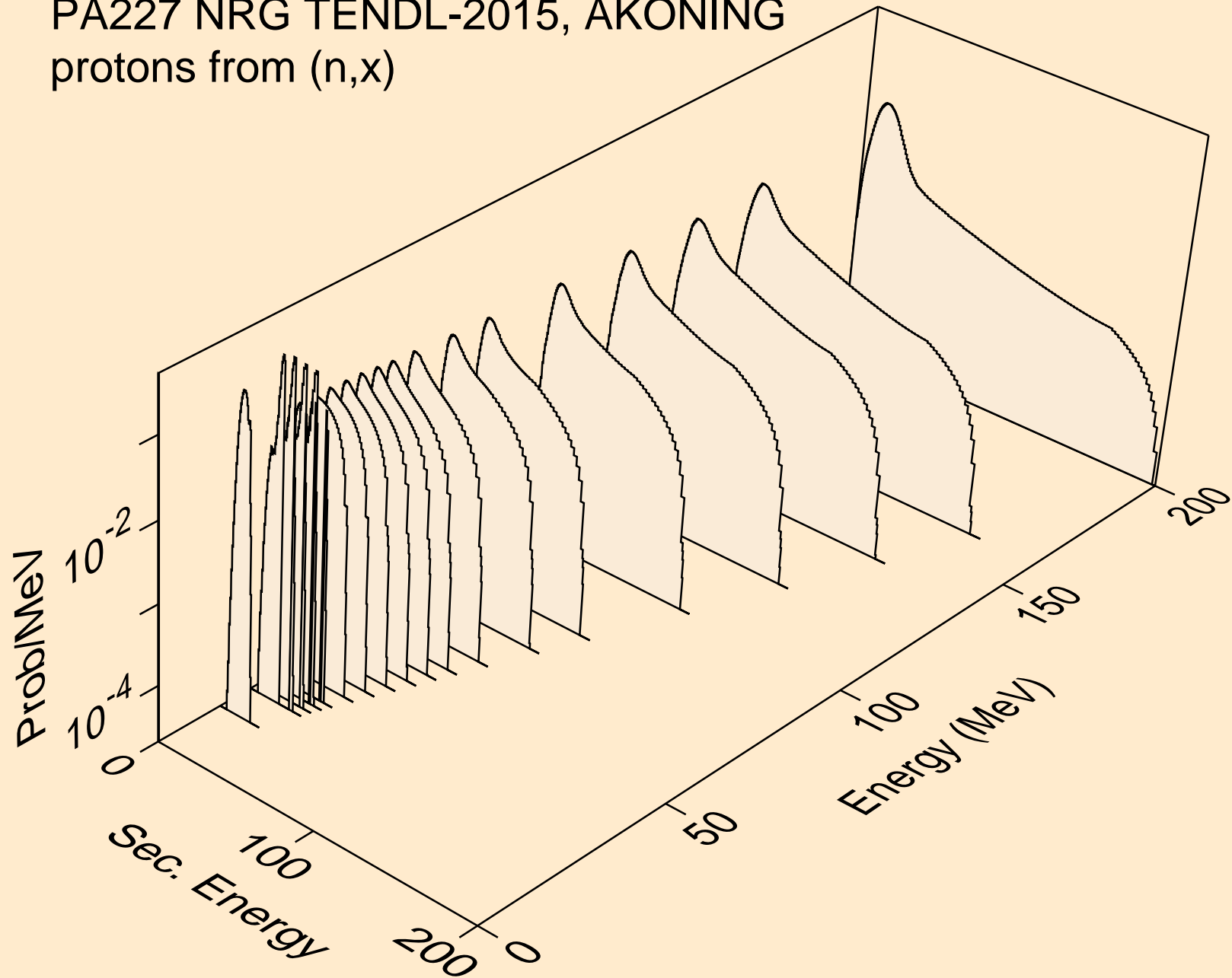


# PA227 NRG TENDL-2015, AKONING

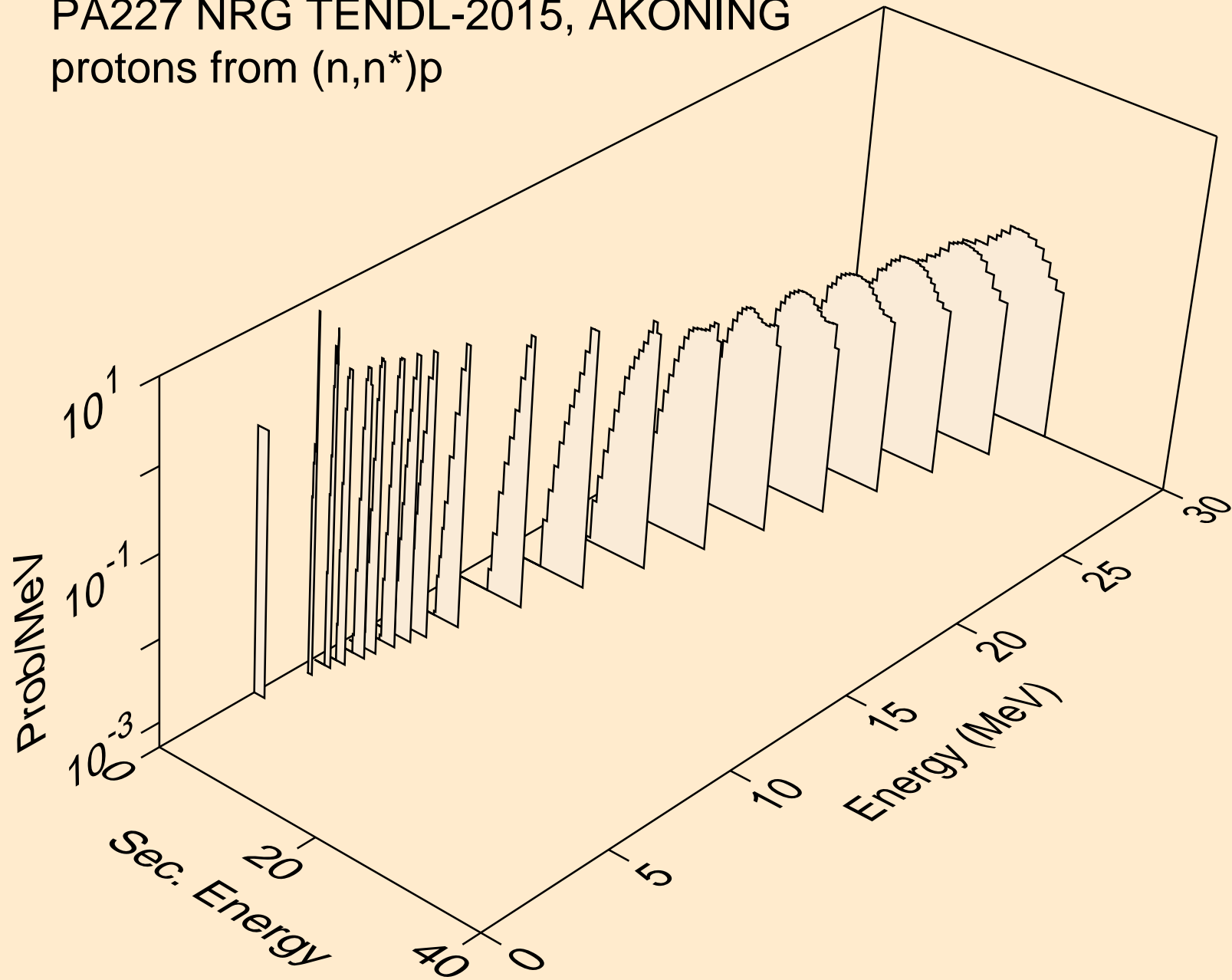
## Particle production cross sections



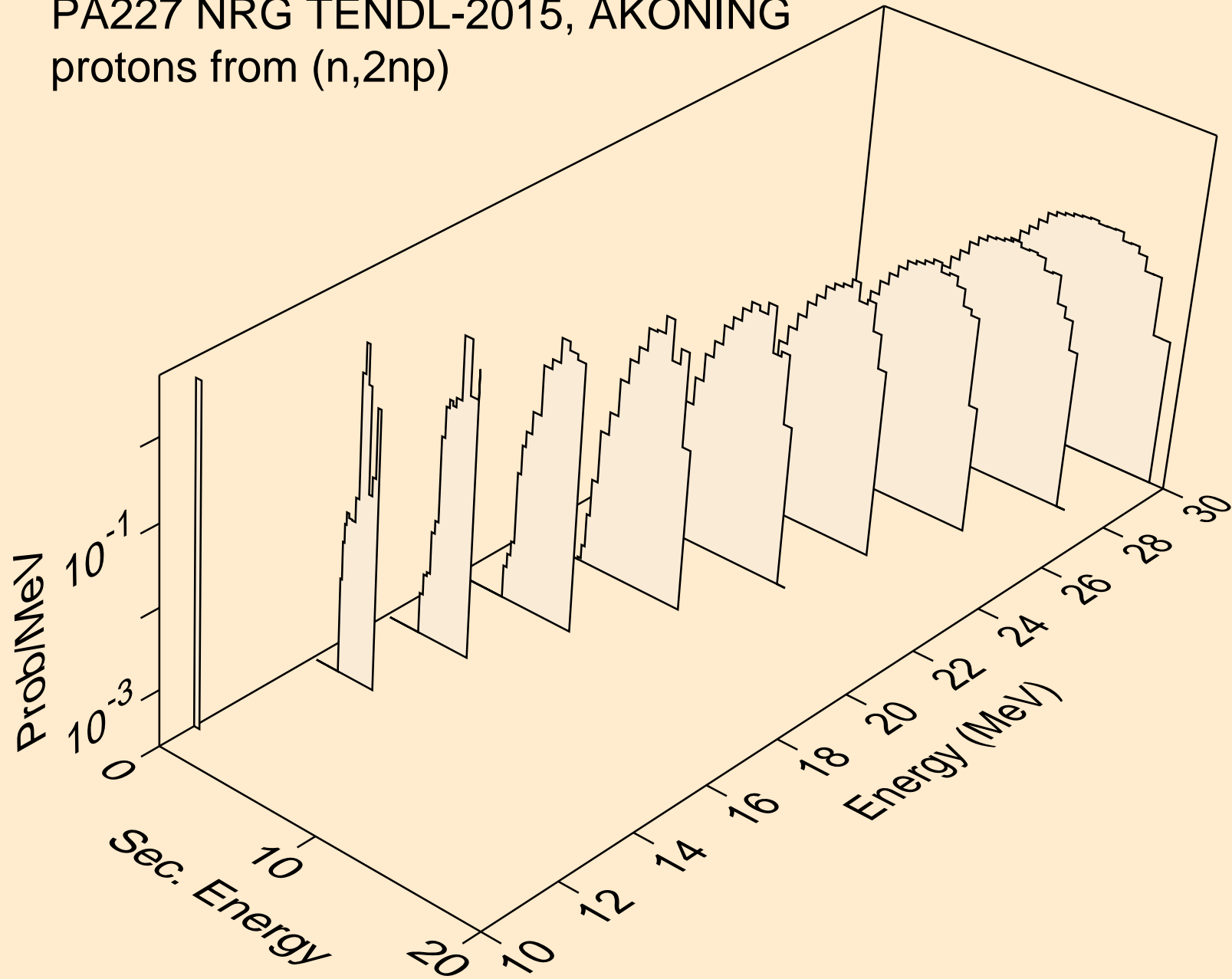
PA227 NRG TENDL-2015, AKONING  
protons from (n,x)



PA227 NRG TENDL-2015, AKONING  
protons from (n,n\*)p

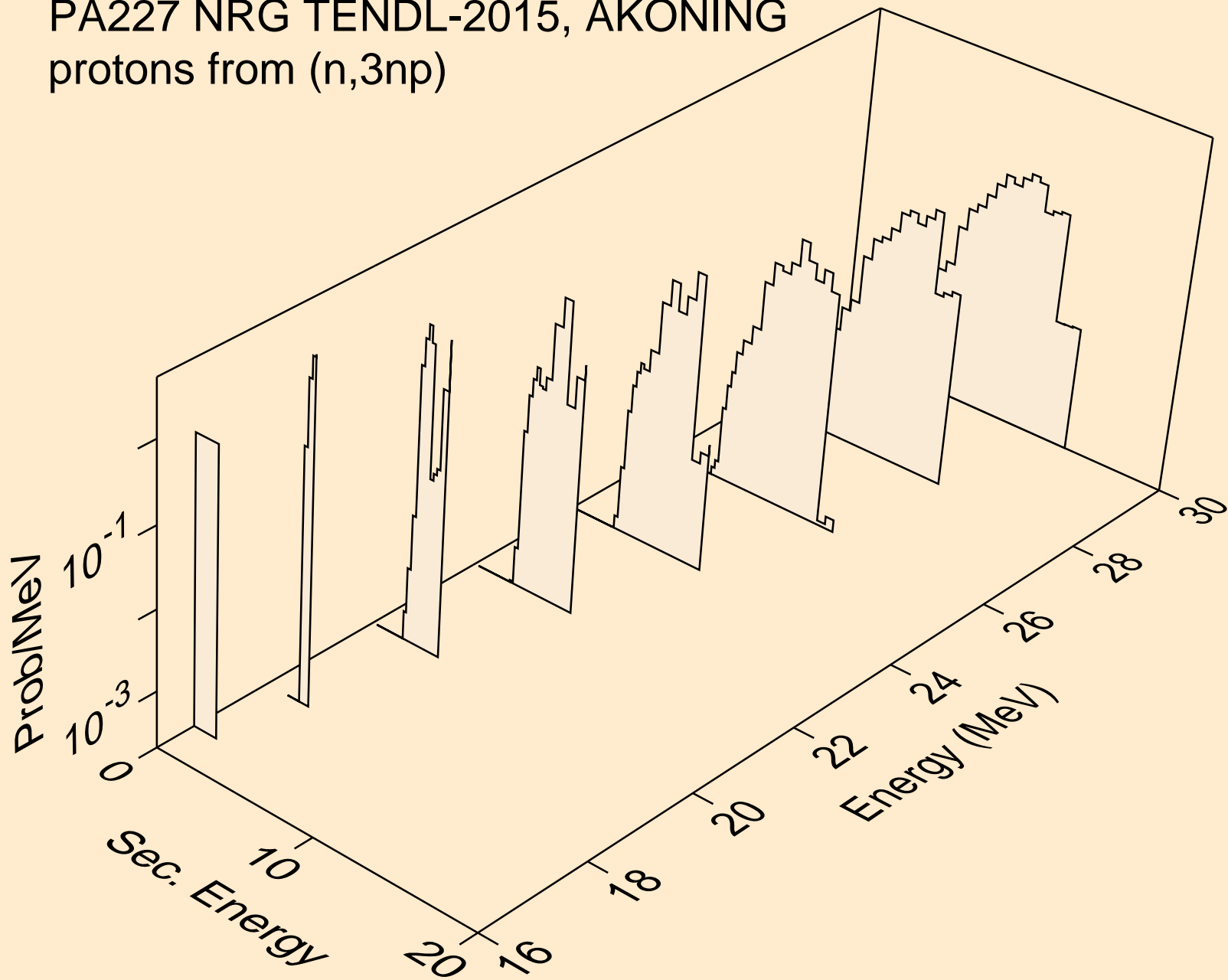


PA227 NRG TENDL-2015, AKONING  
protons from (n,2np)

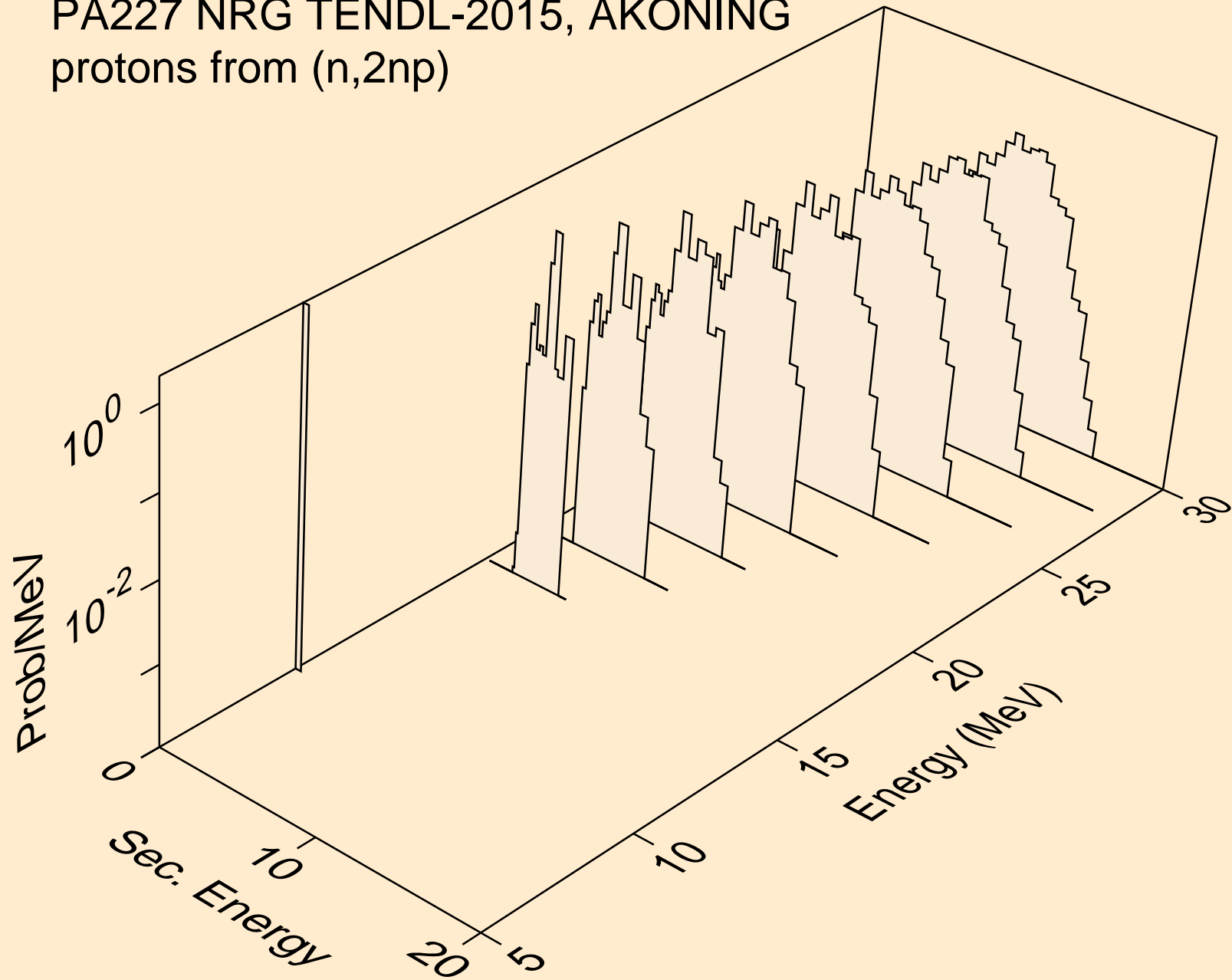




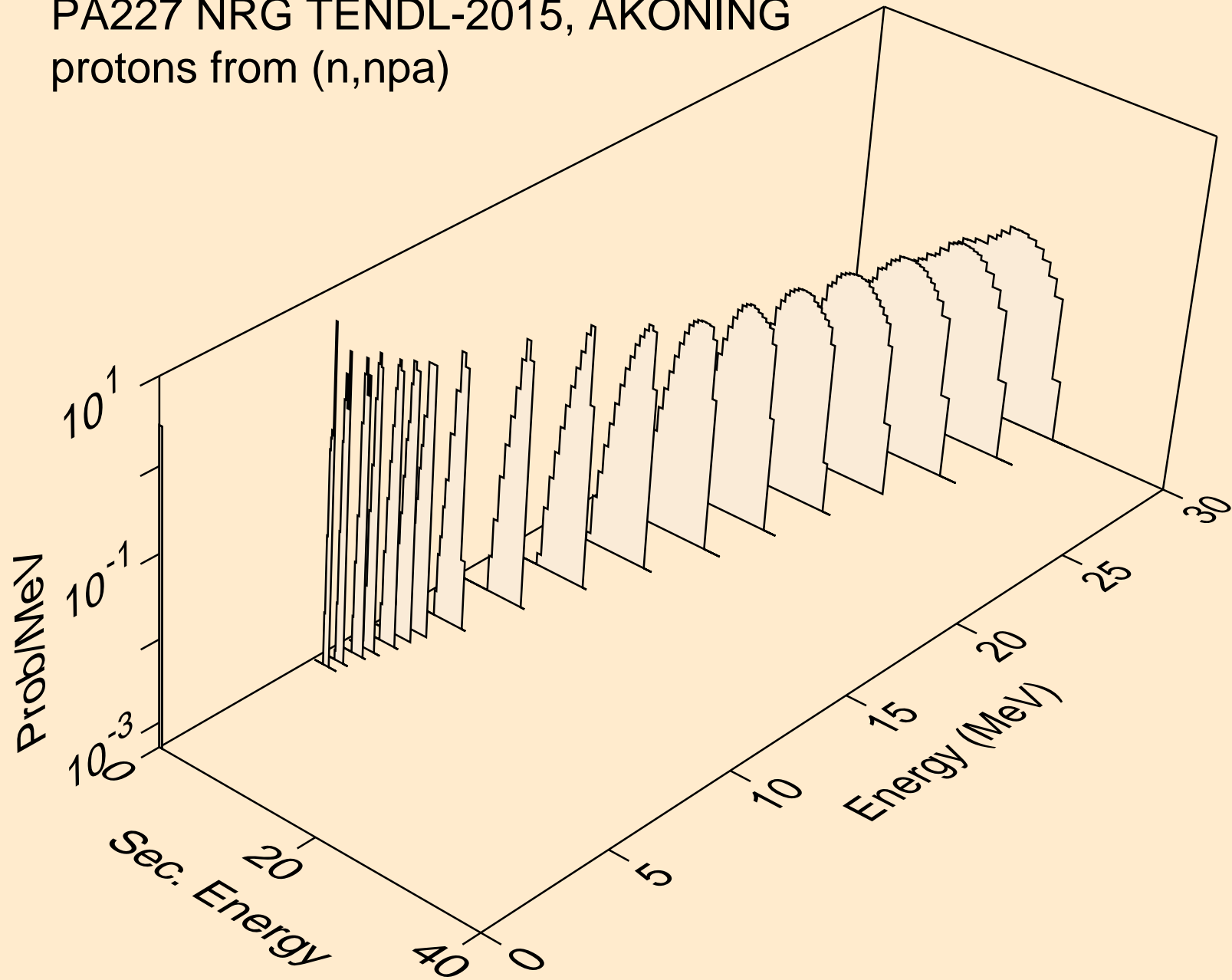
PA227 NRG TENDL-2015, AKONING  
protons from (n,3np)



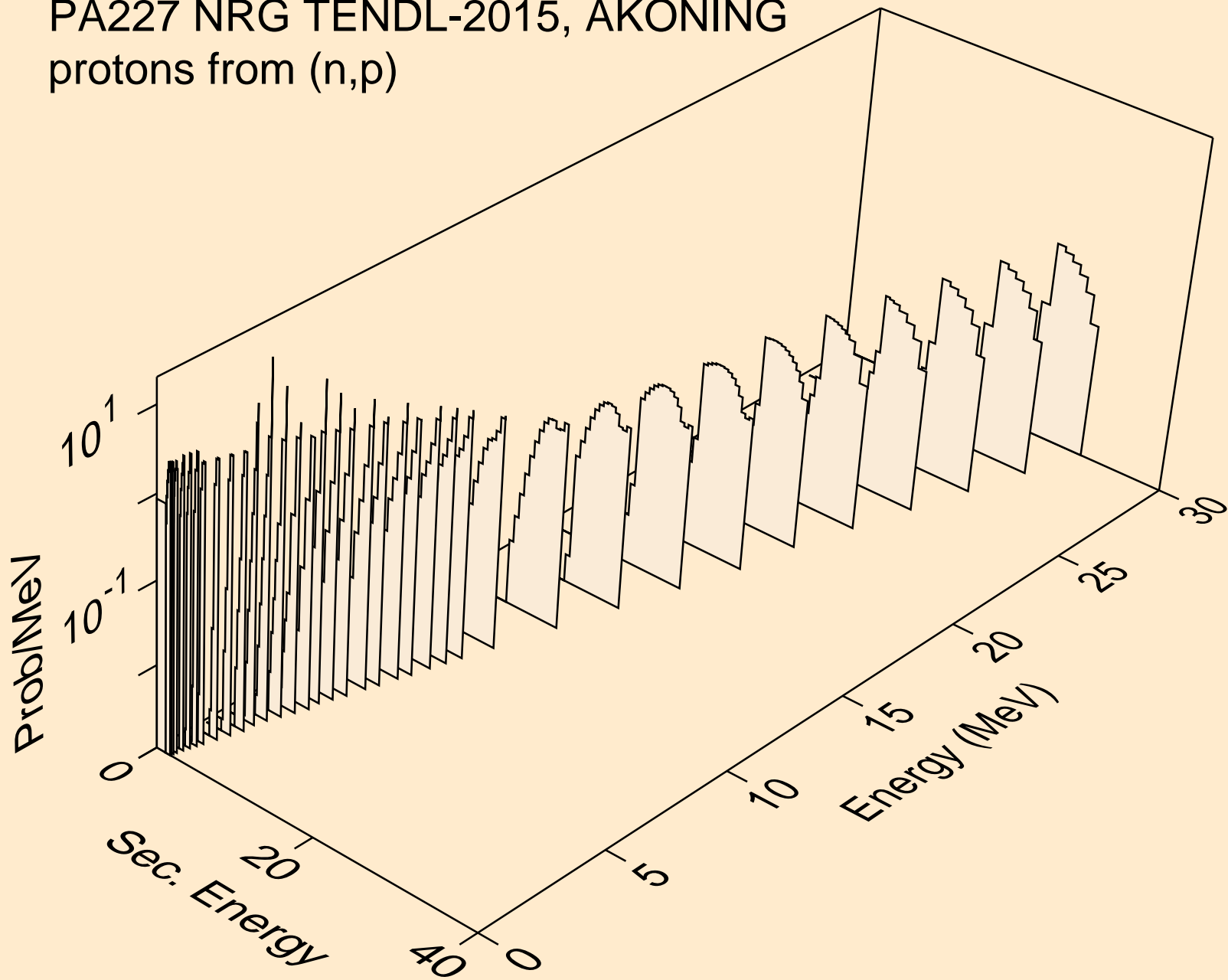
PA227 NRG TENDL-2015, AKONING  
protons from (n,2np)



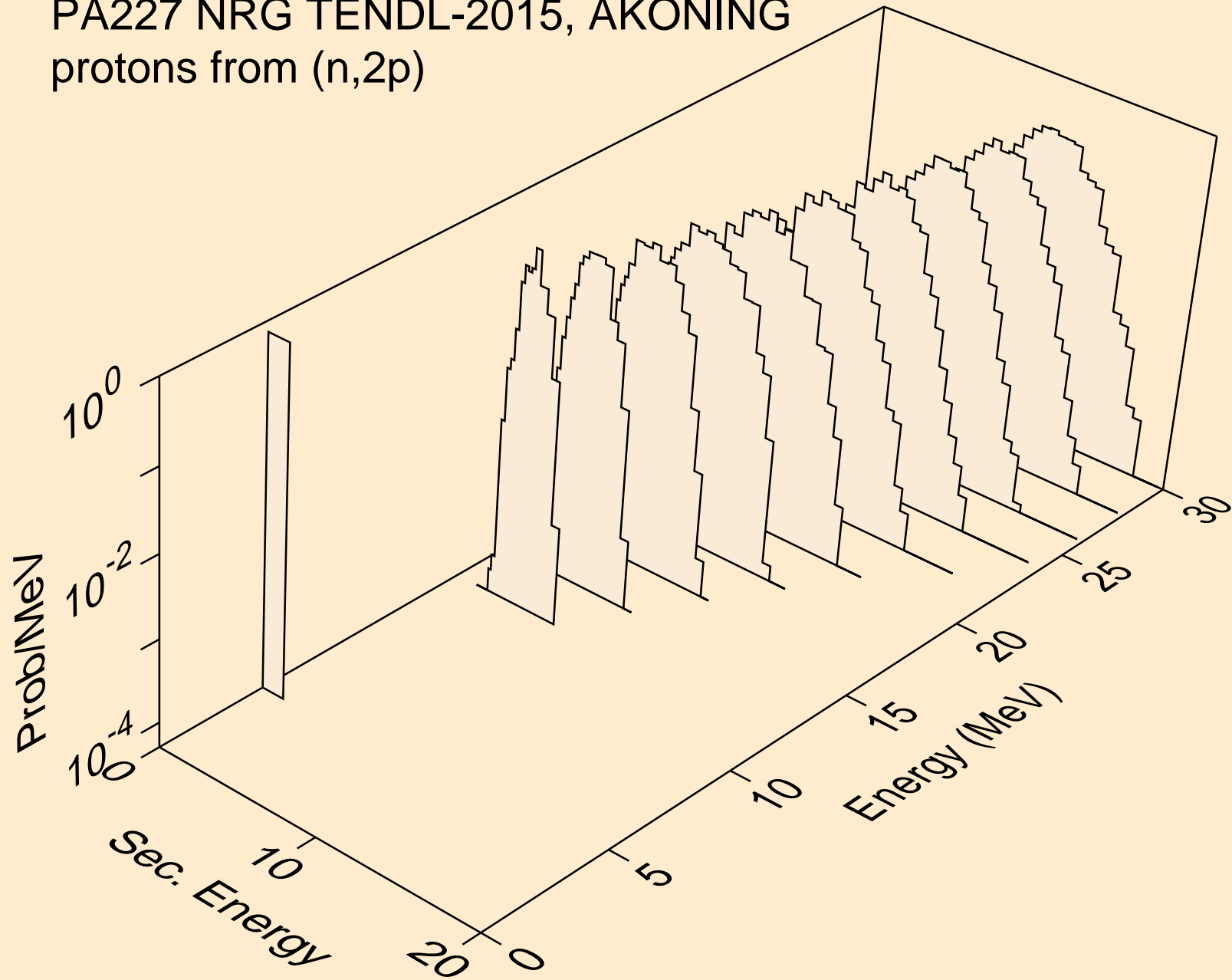
PA227 NRG TENDL-2015, AKONING  
protons from (n,npa)



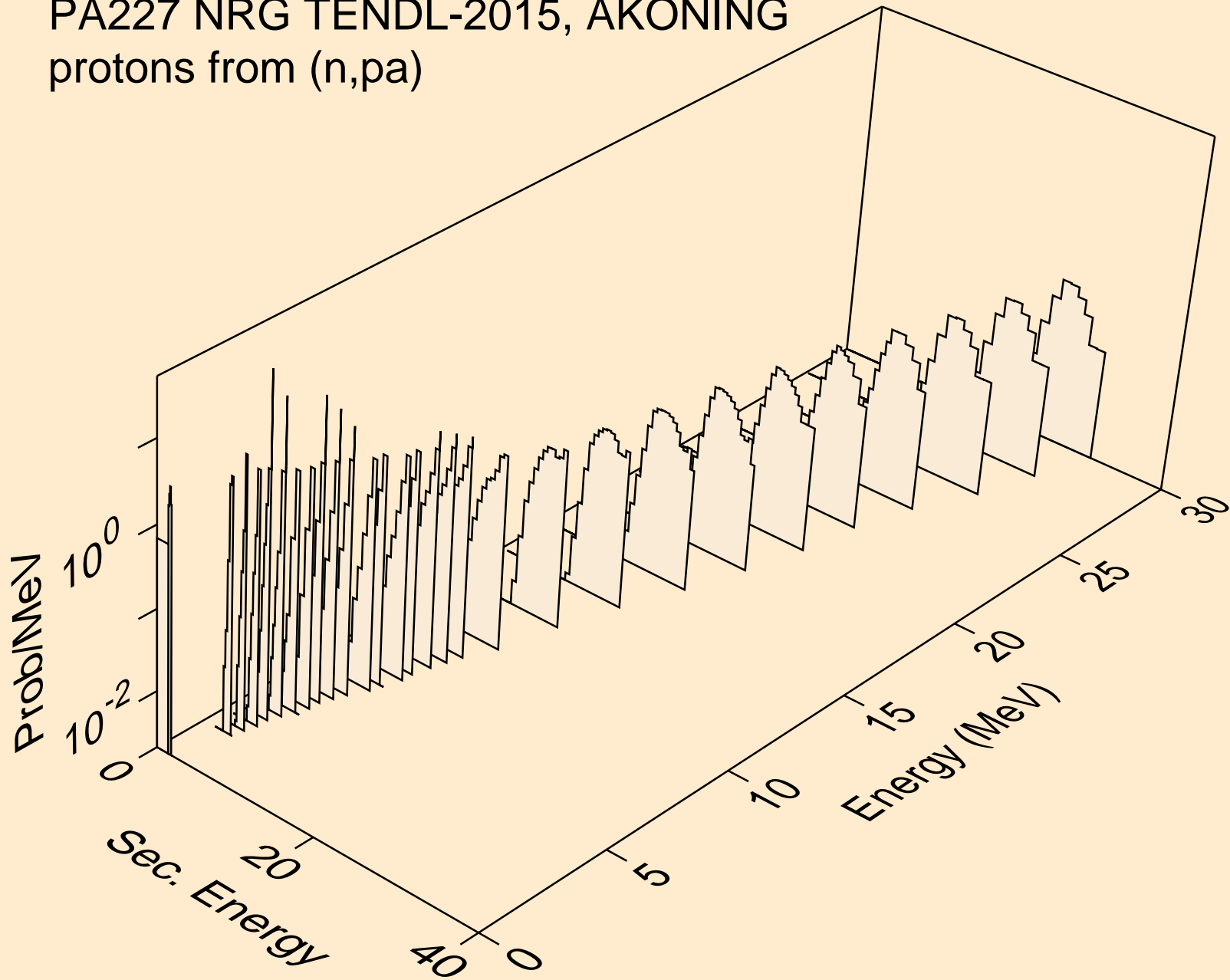
PA227 NRG TENDL-2015, AKONING  
protons from (n,p)



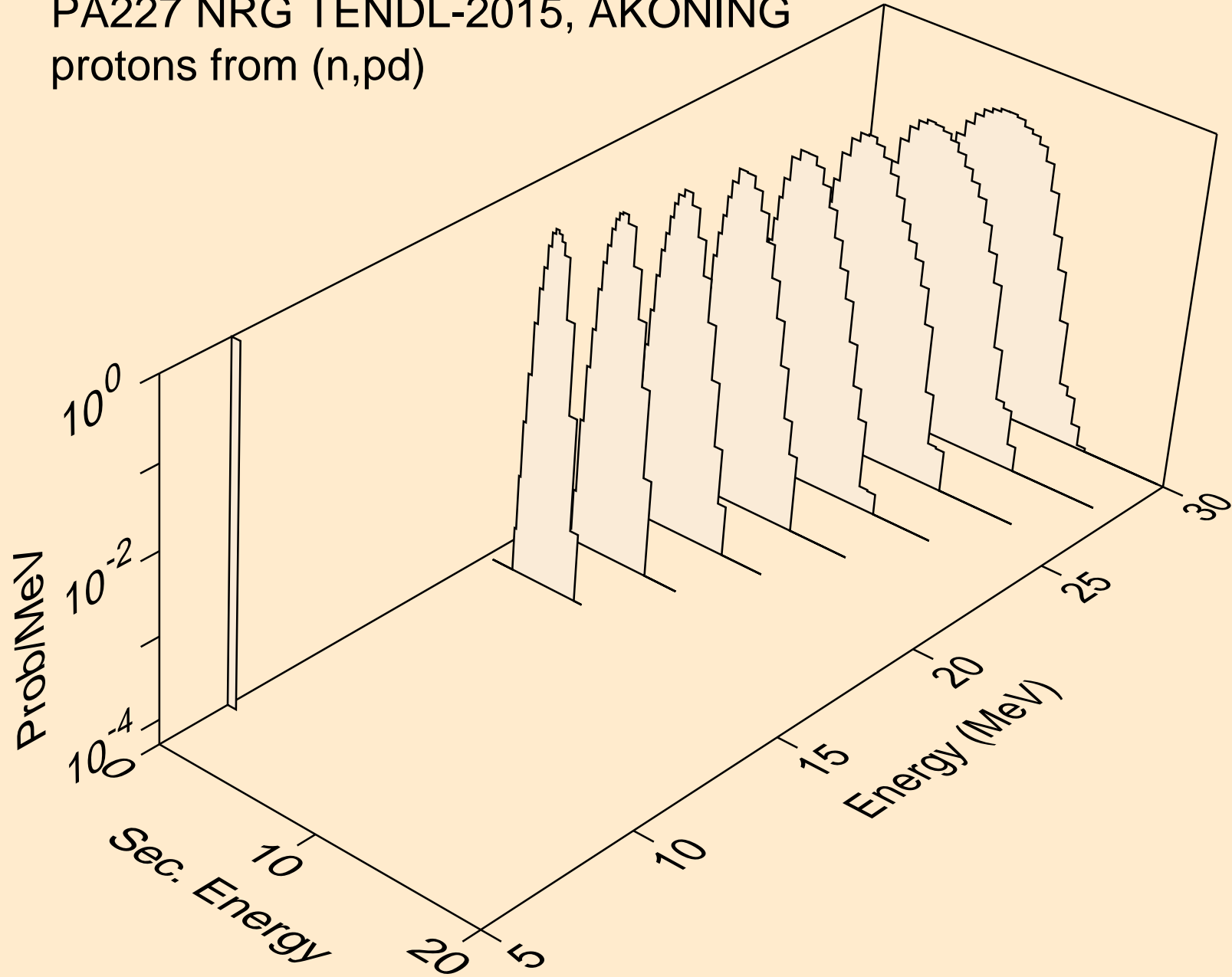
PA227 NRG TENDL-2015, AKONING  
protons from (n,2p)



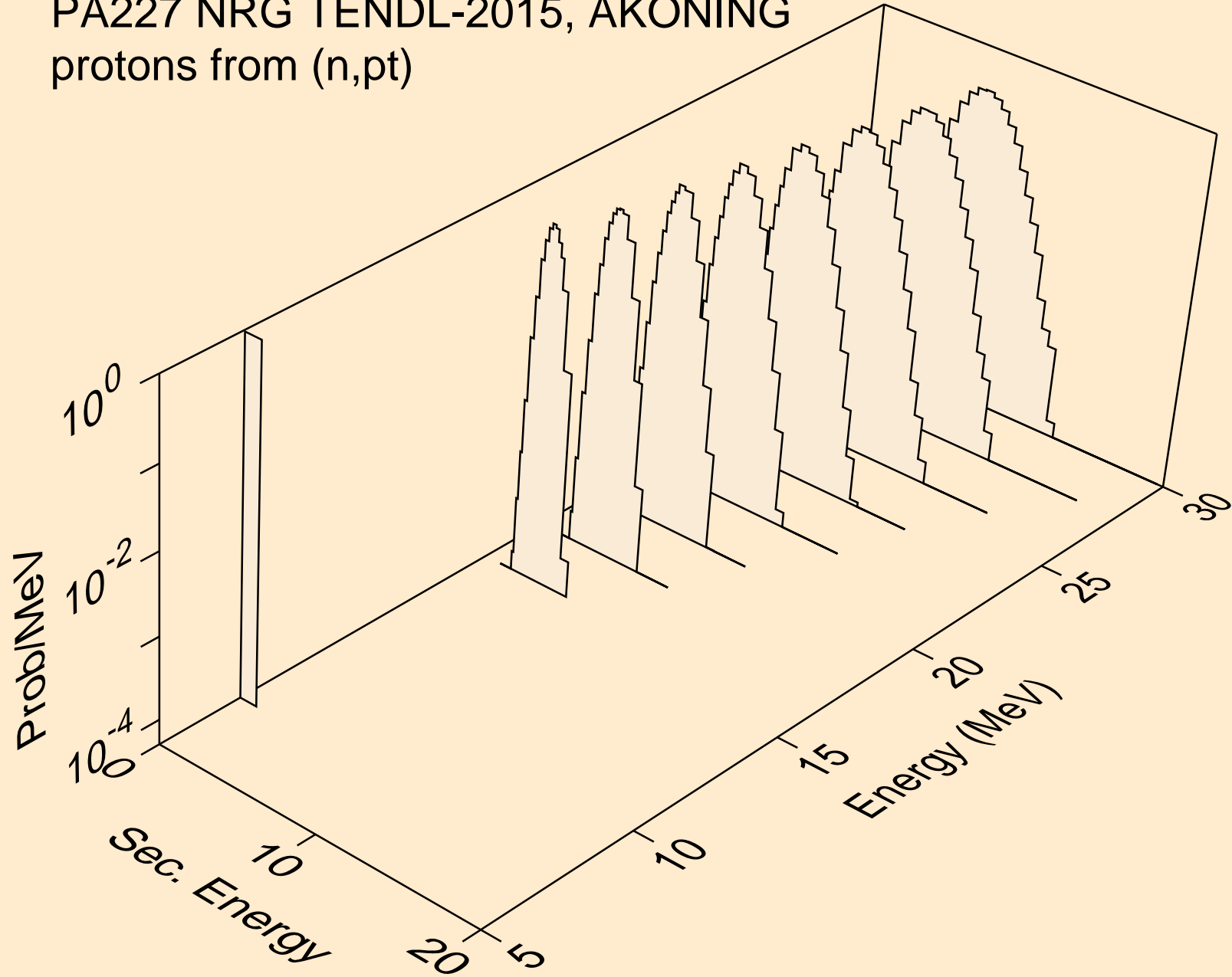
PA227 NRG TENDL-2015, AKONING  
protons from (n,pa)



PA227 NRG TENDL-2015, AKONING  
protons from (n,pd)

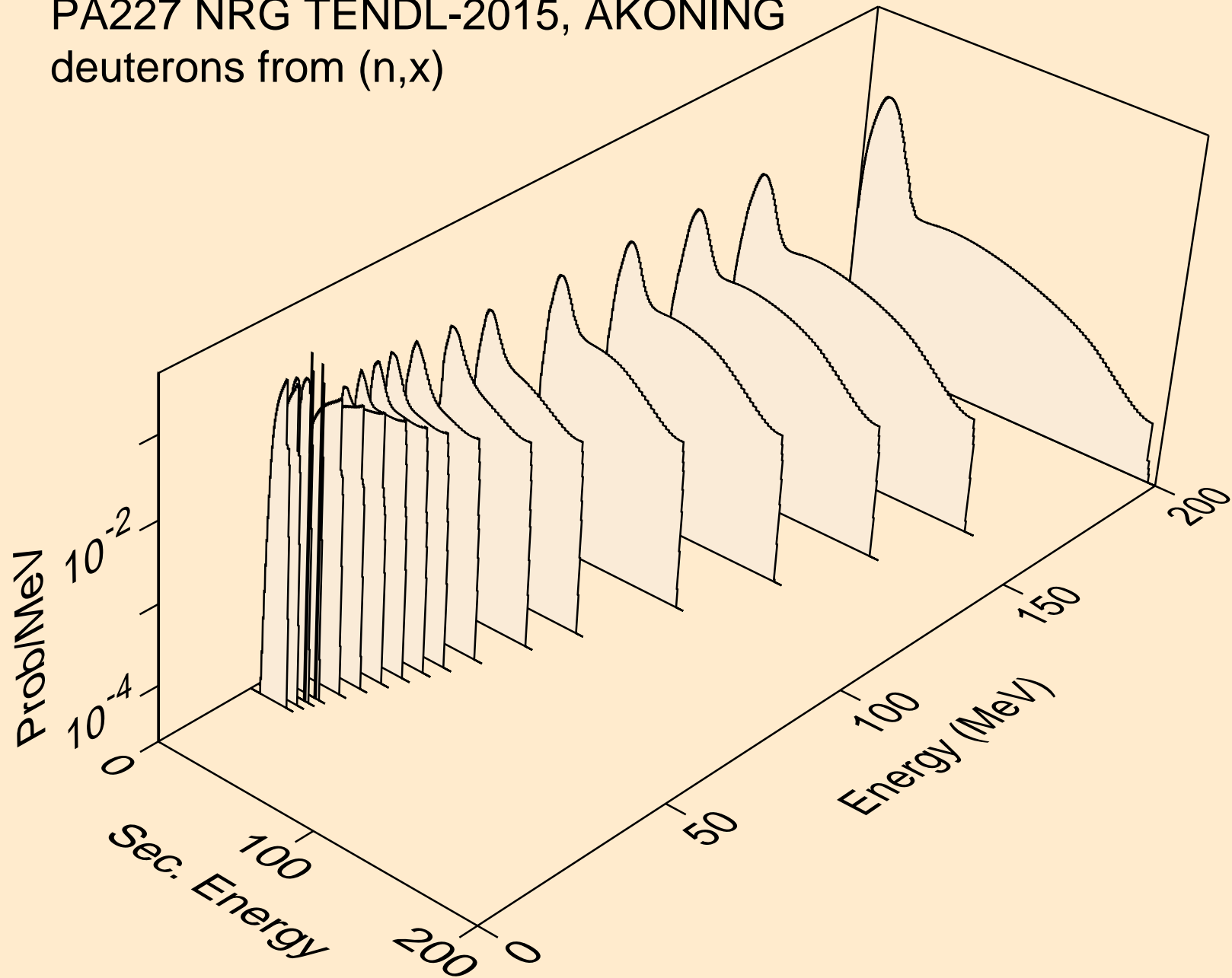


PA227 NRG TENDL-2015, AKONING  
protons from (n,pt)

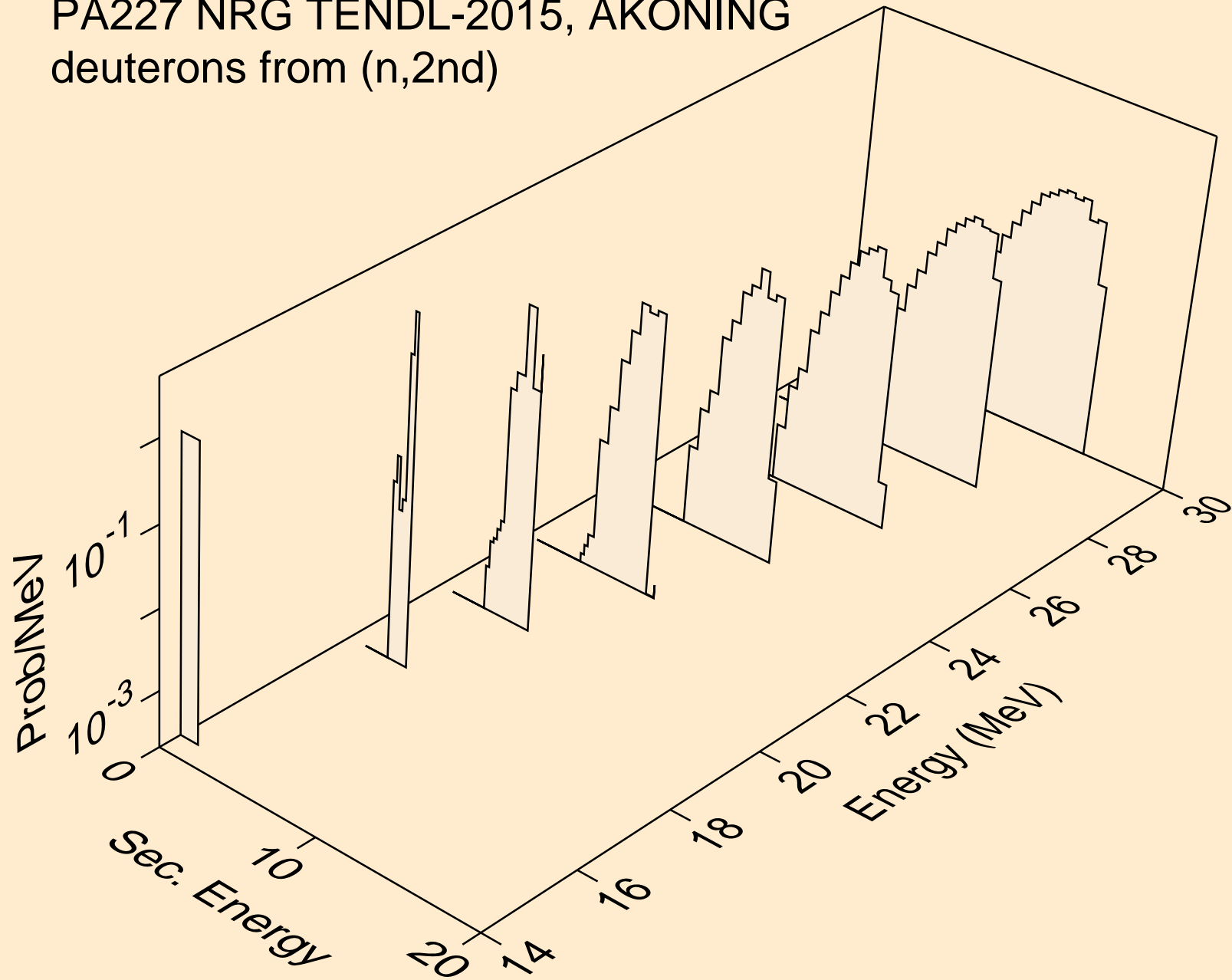




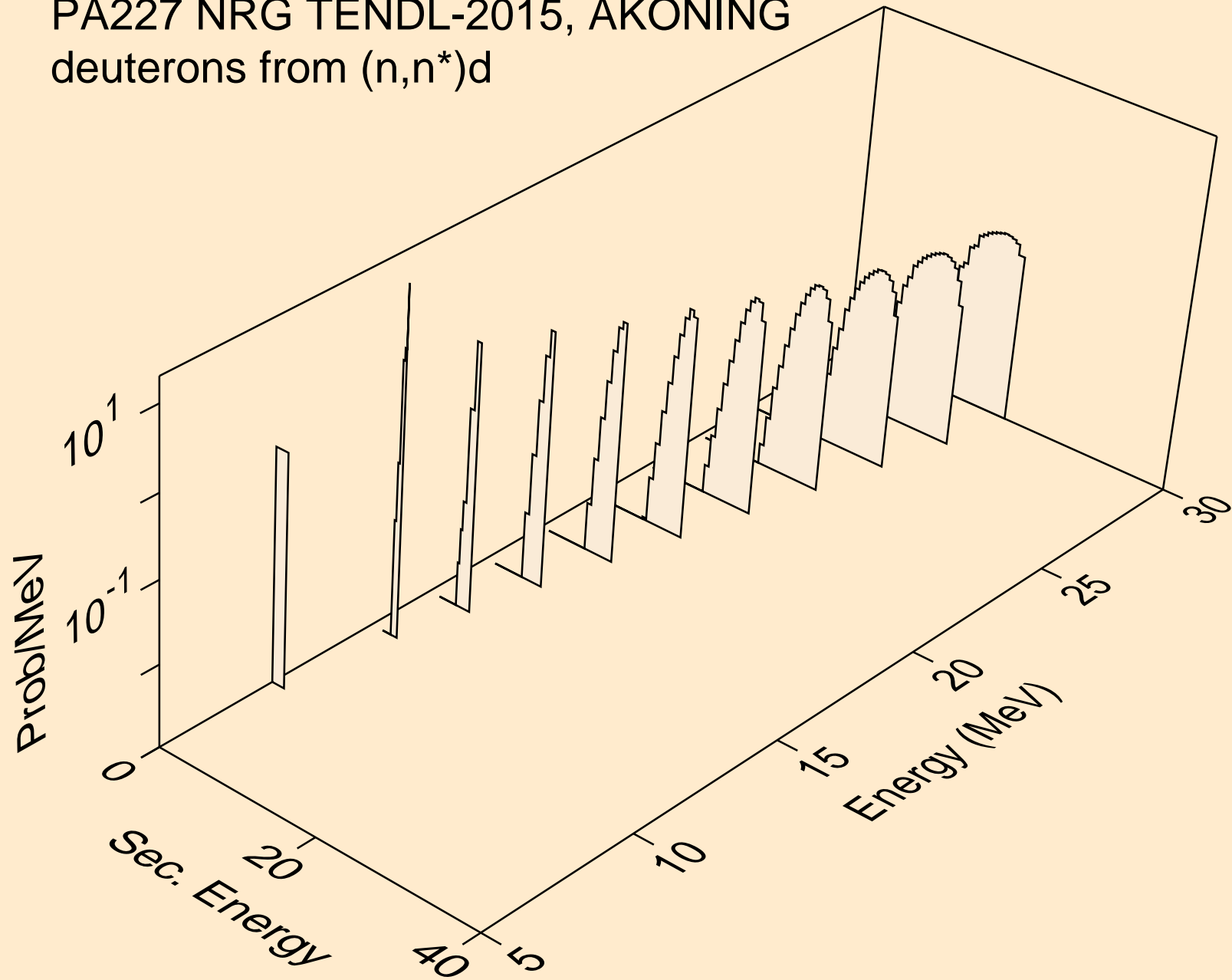
PA227 NRG TENDL-2015, AKONING  
deuterons from (n,x)



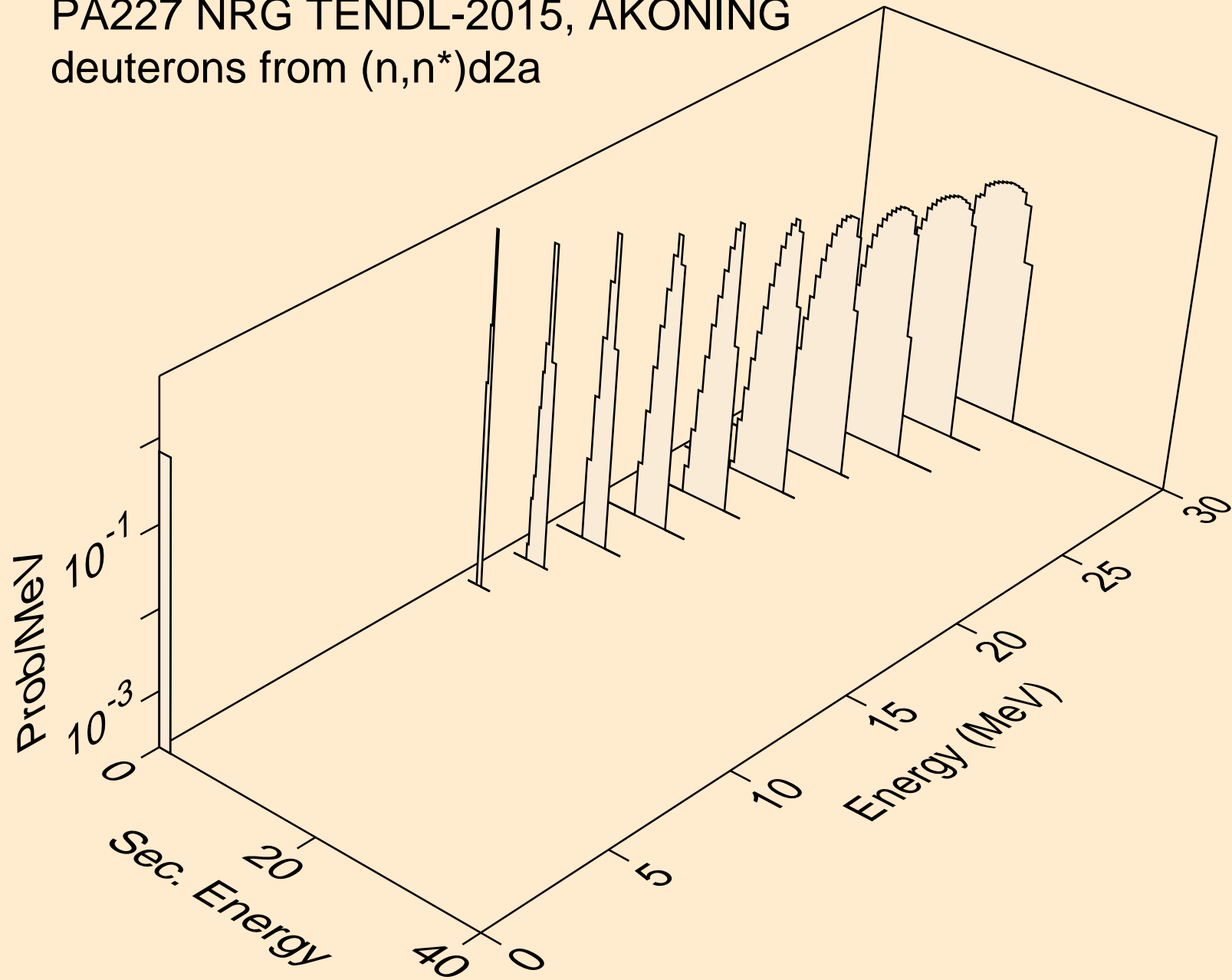
PA227 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



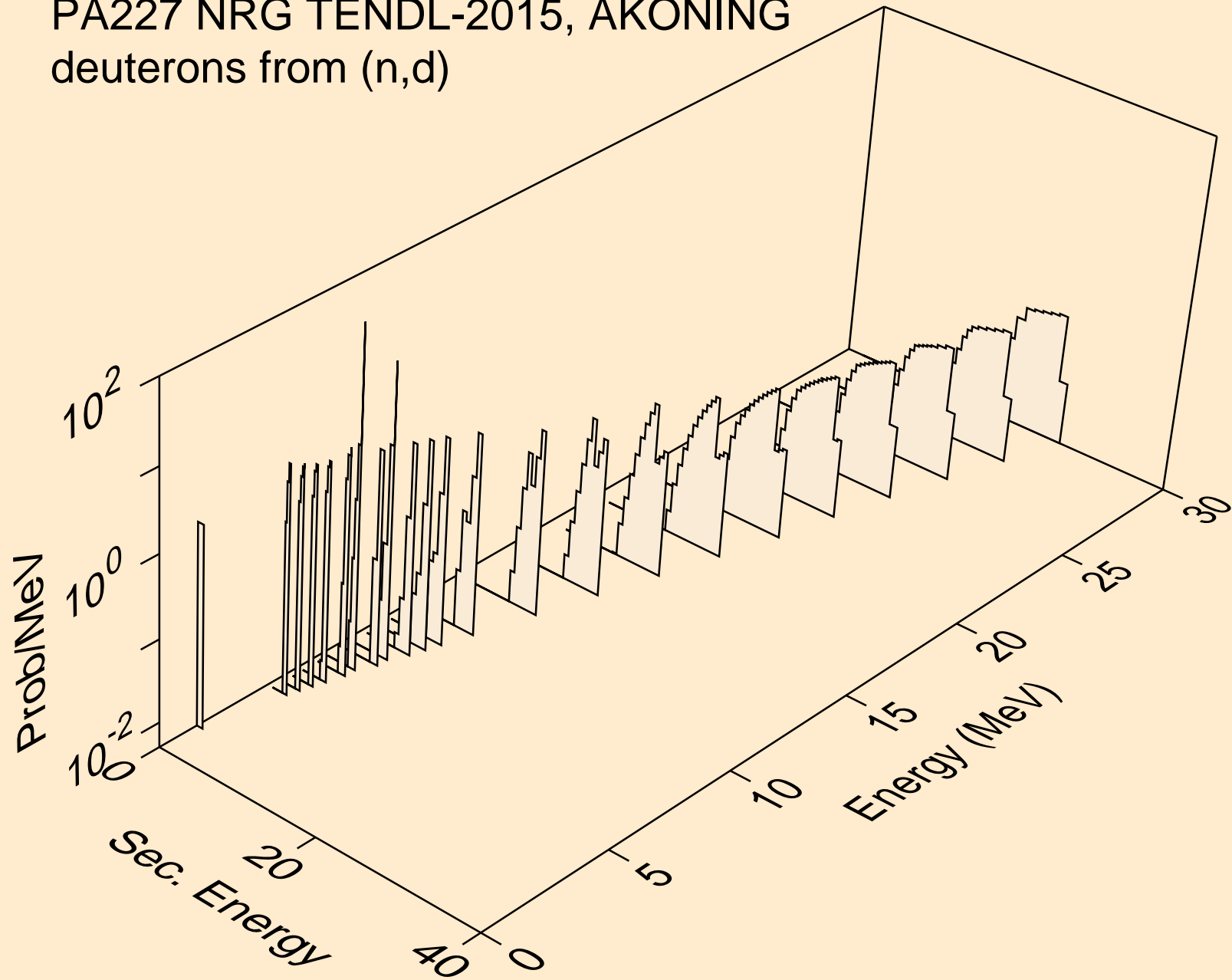
PA227 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



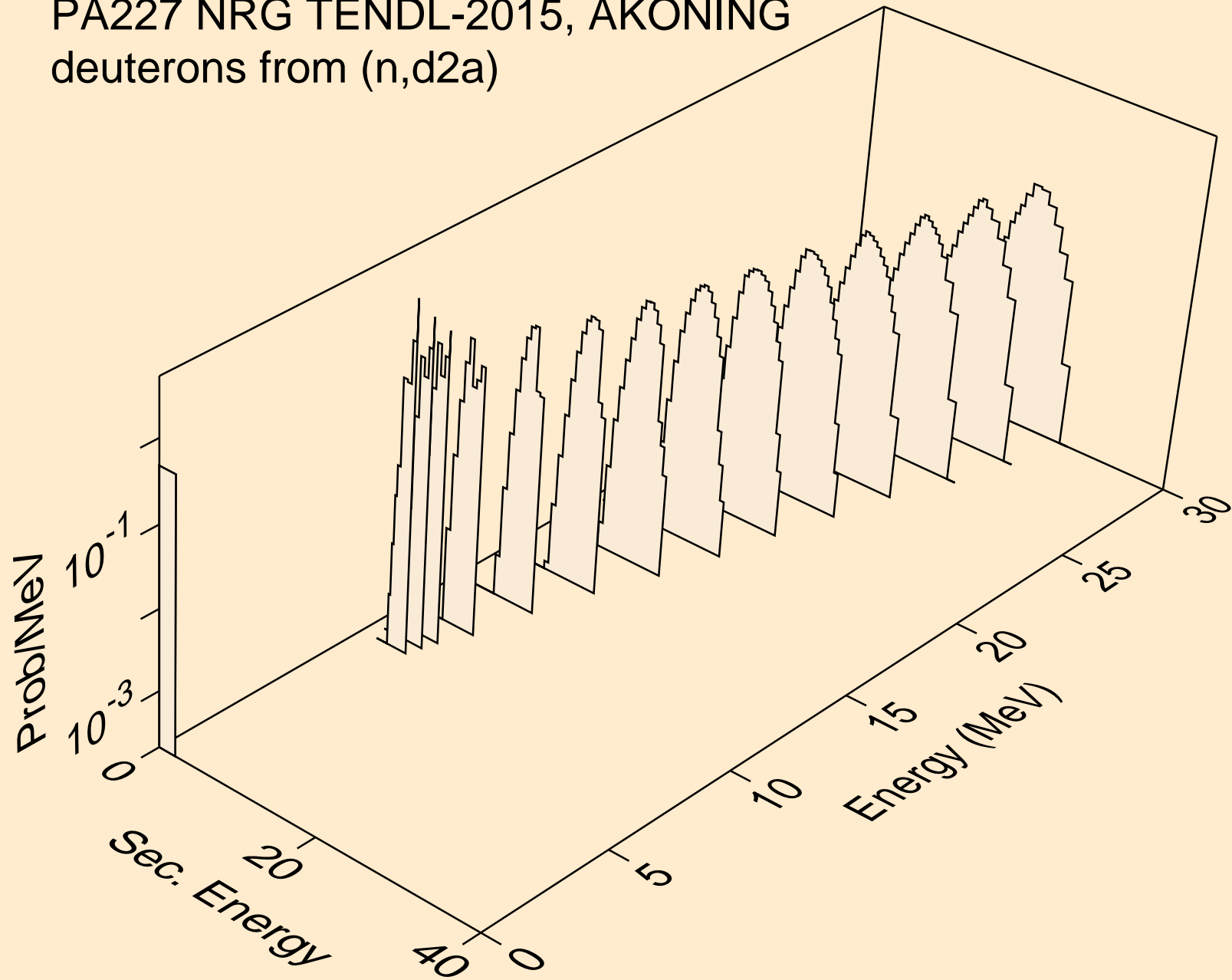
PA227 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a



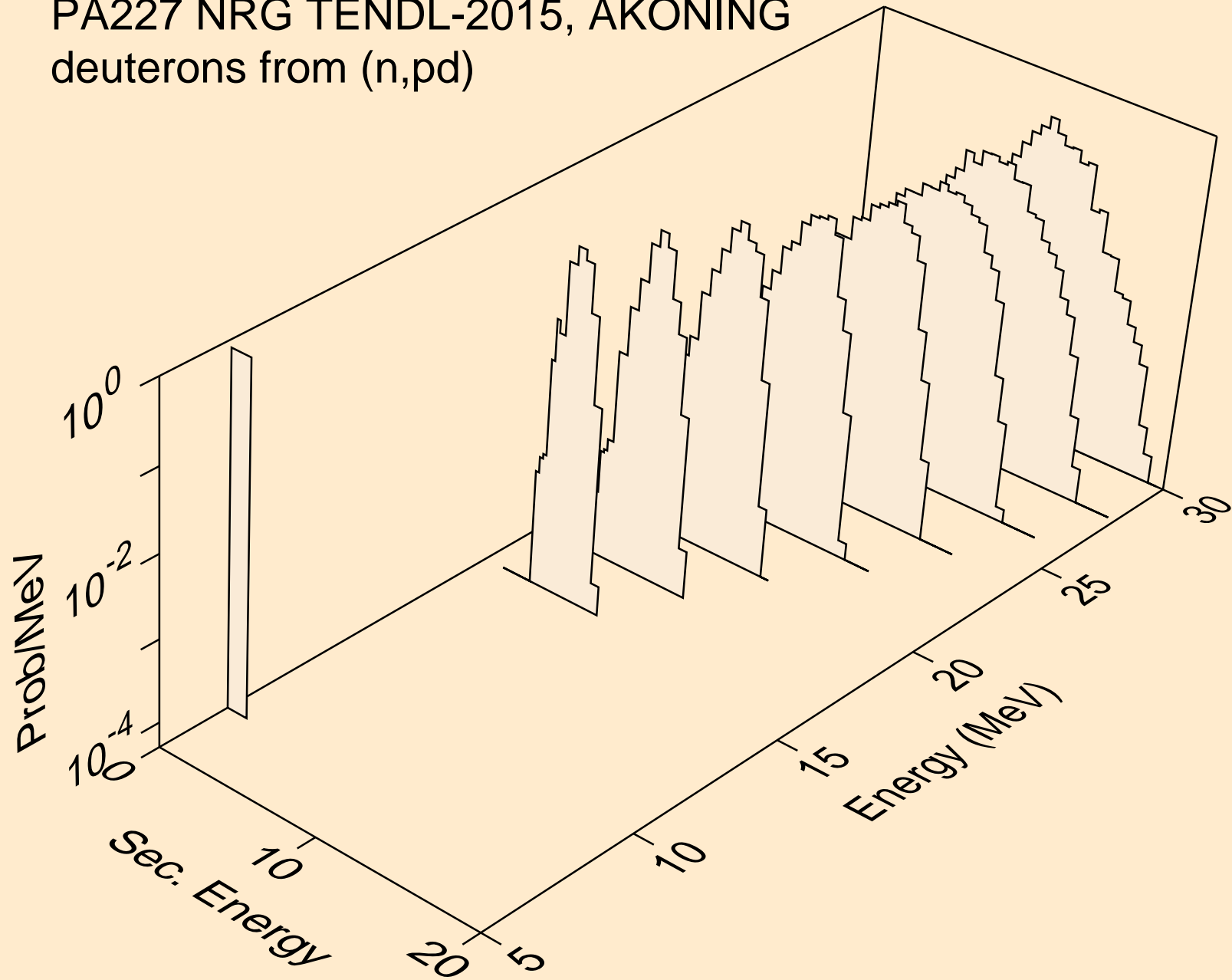
PA227 NRG TENDL-2015, AKONING  
deuterons from (n,d)



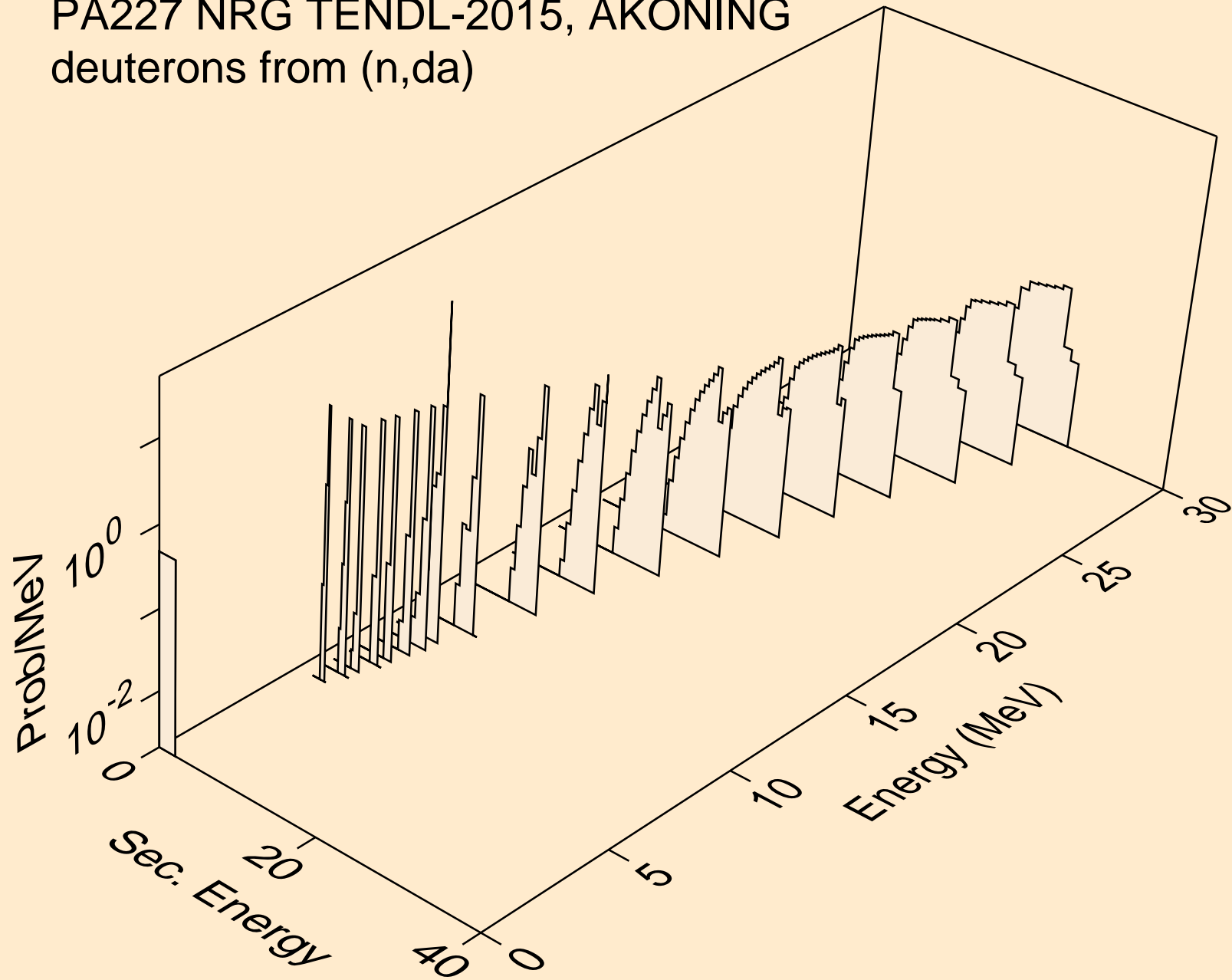
PA227 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



PA227 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

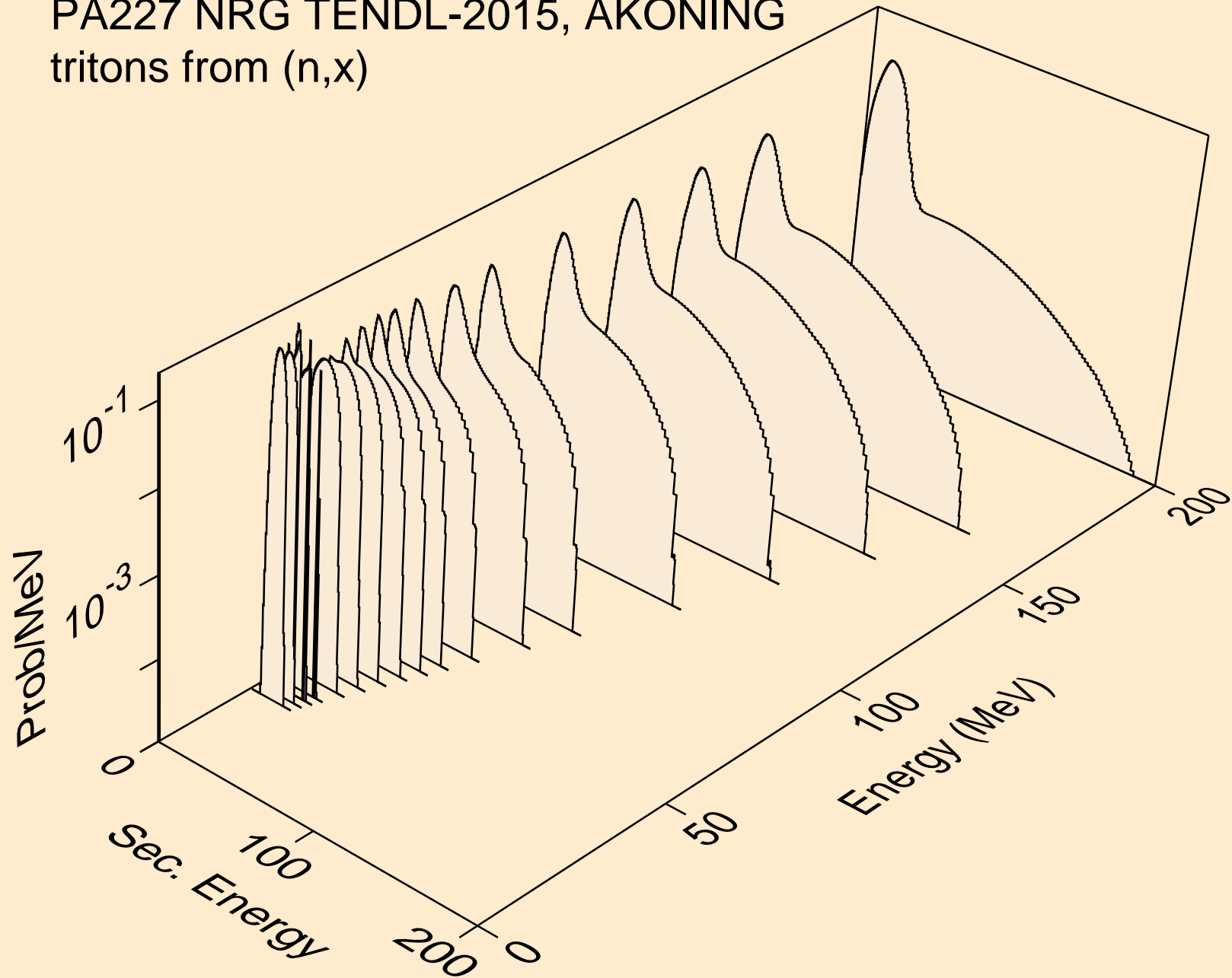


PA227 NRG TENDL-2015, AKONING  
deuterons from (n,da)

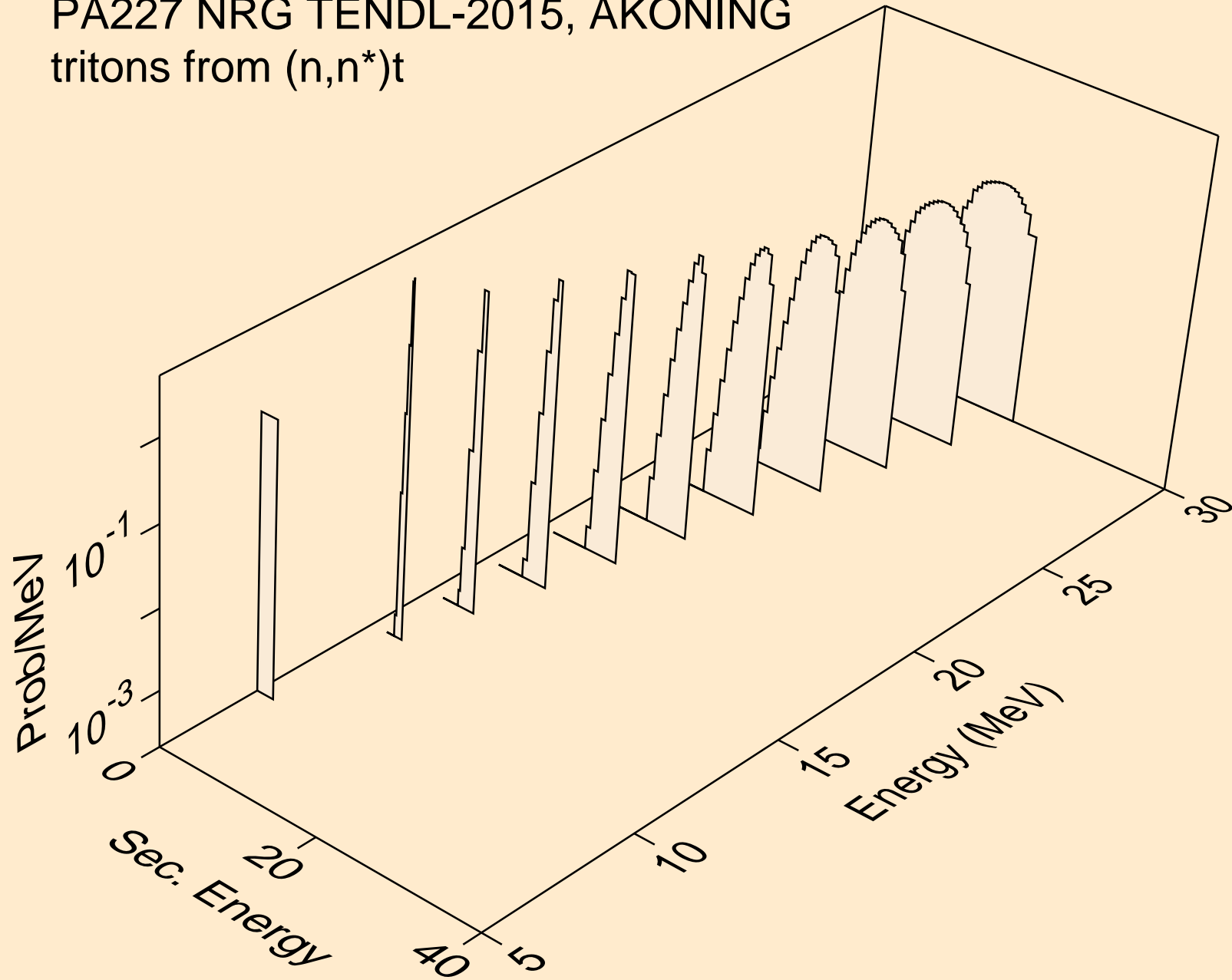




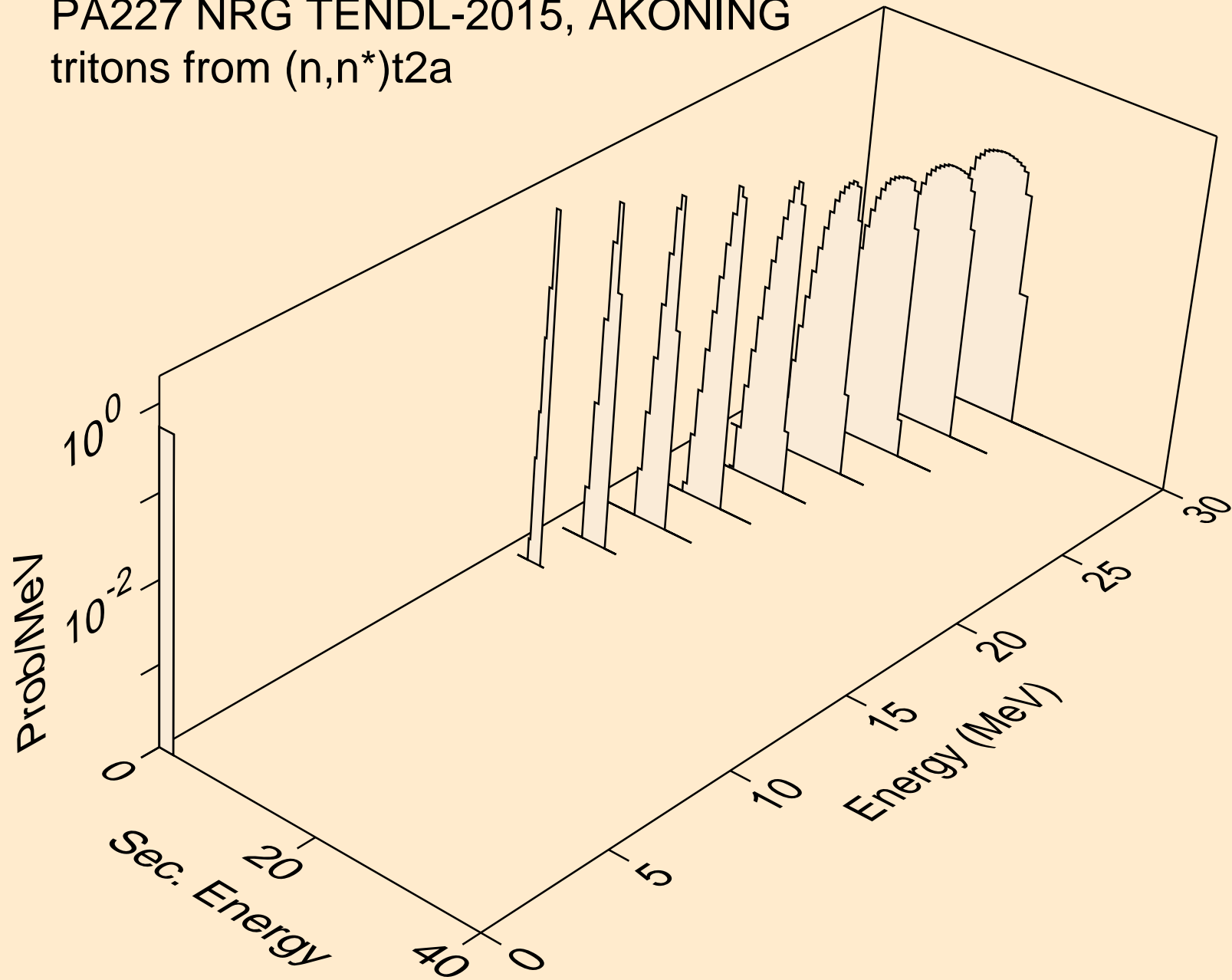
PA227 NRG TENDL-2015, AKONING  
tritons from (n,x)



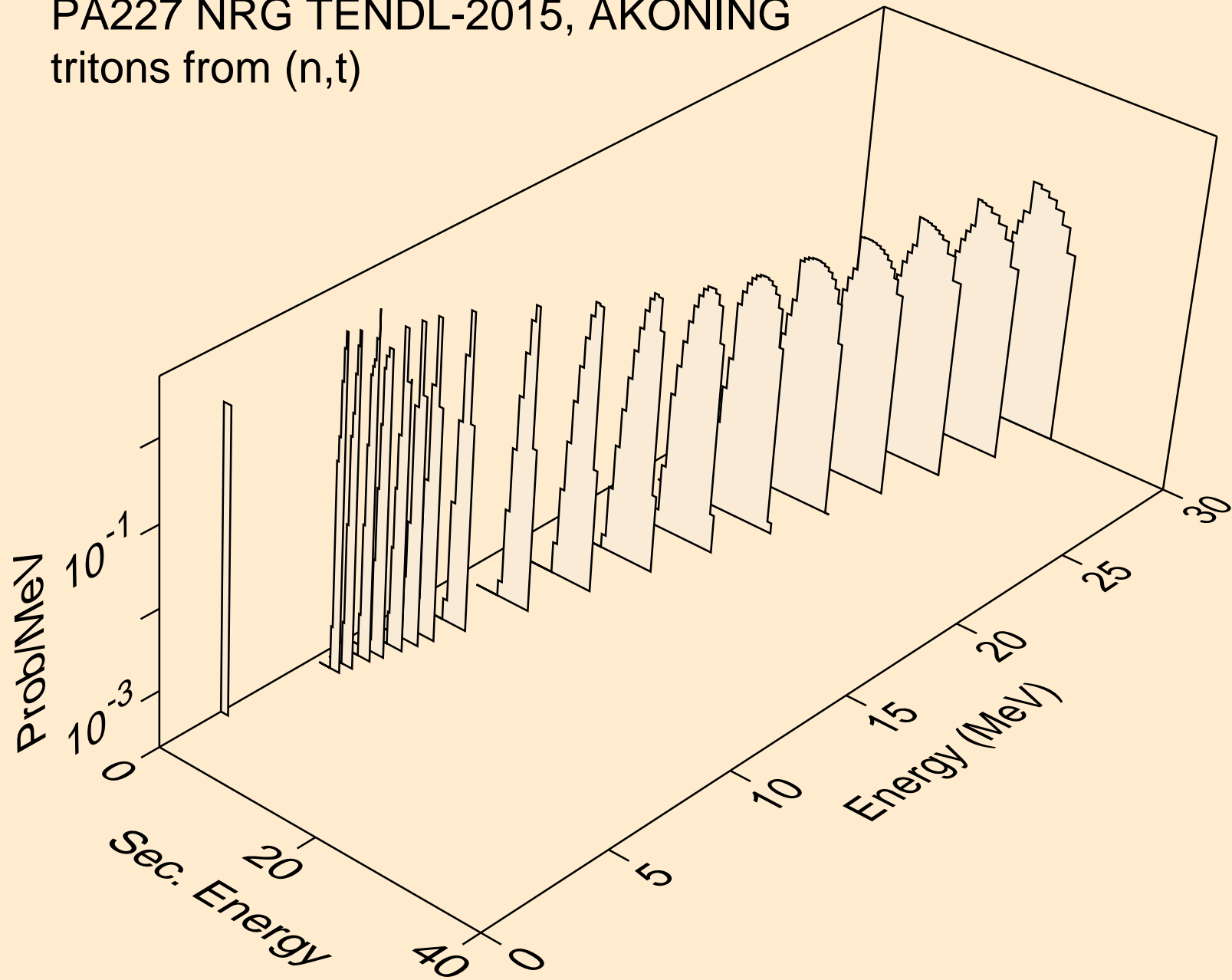
PA227 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



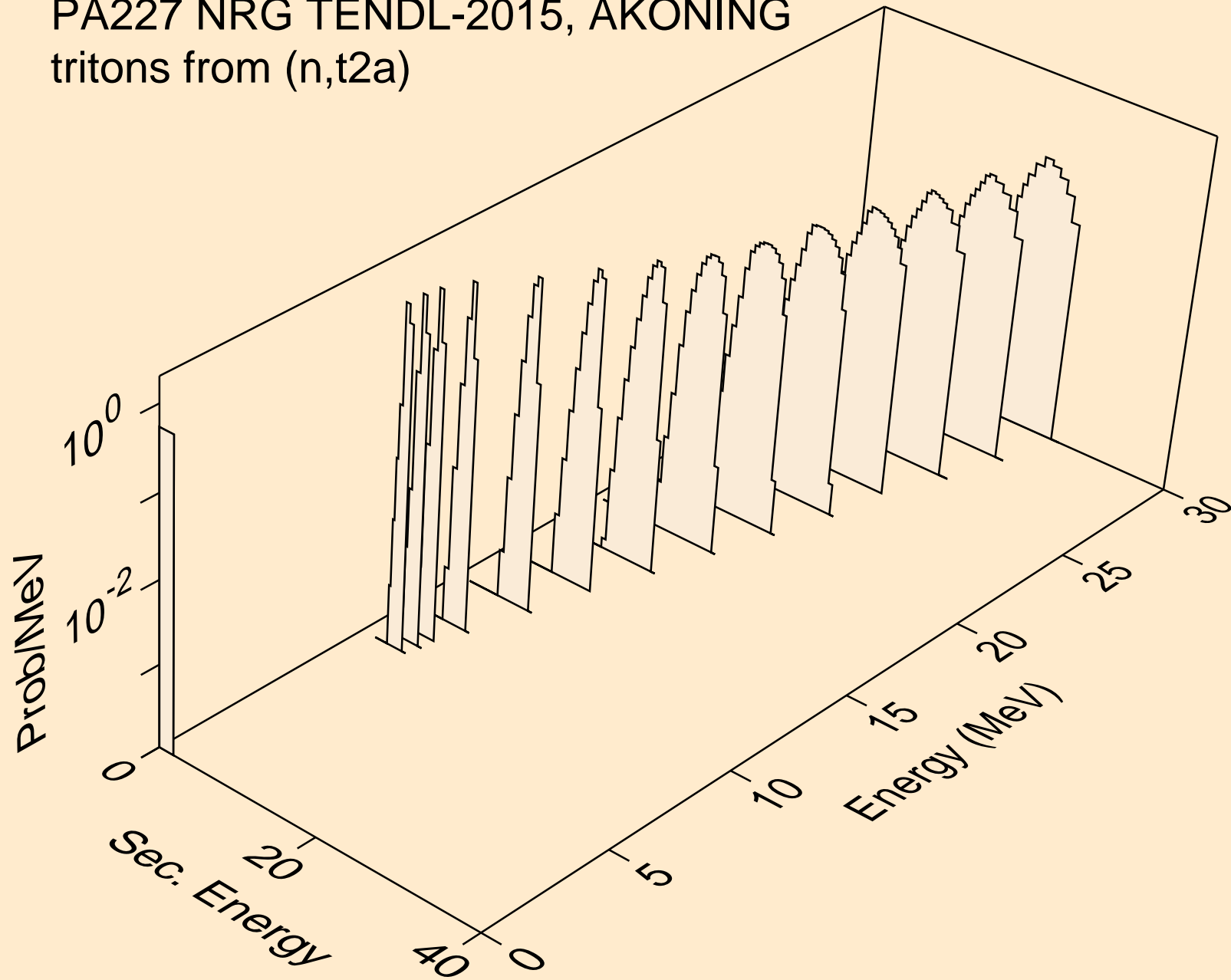
PA227 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a



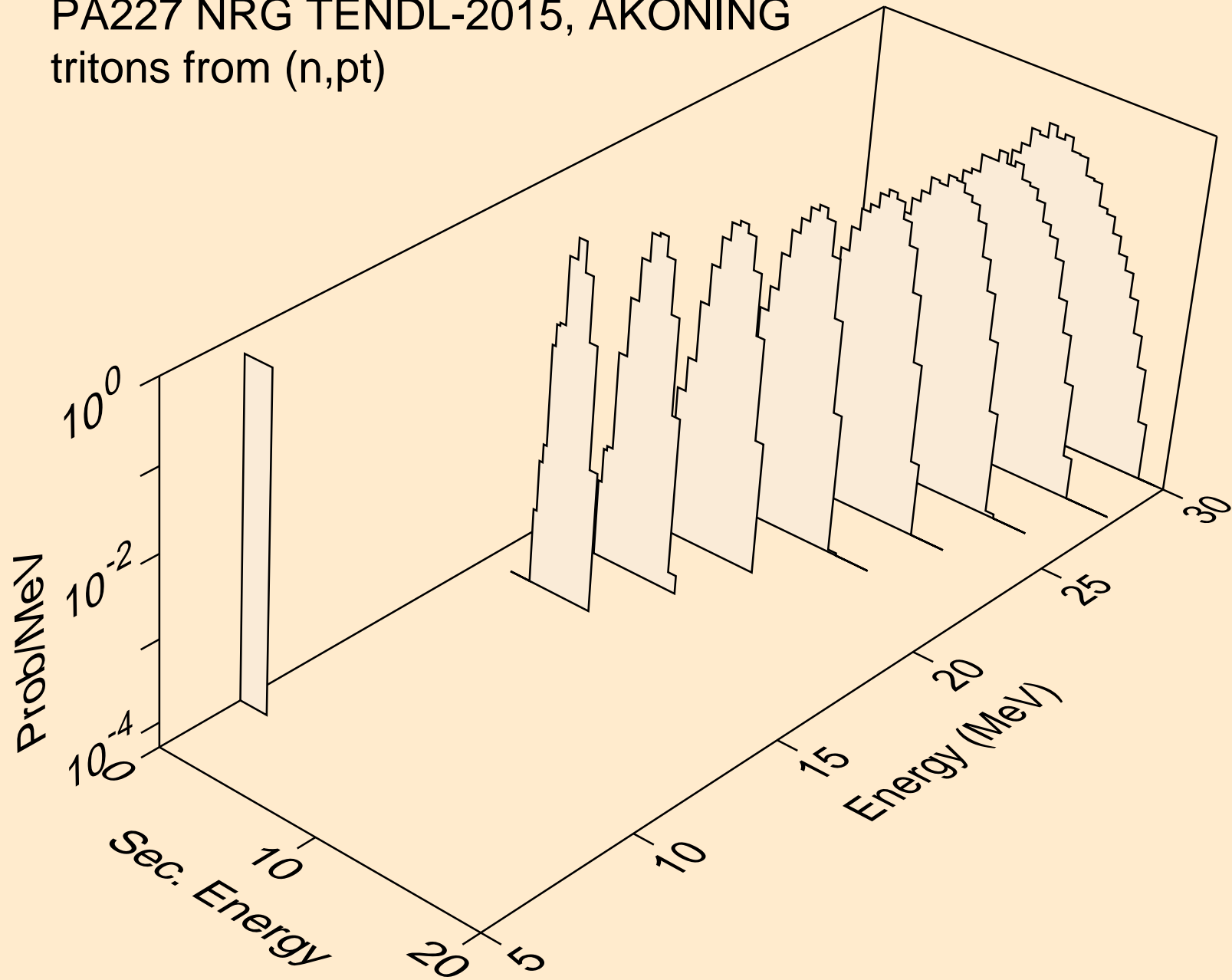
PA227 NRG TENDL-2015, AKONING  
tritons from (n,t)



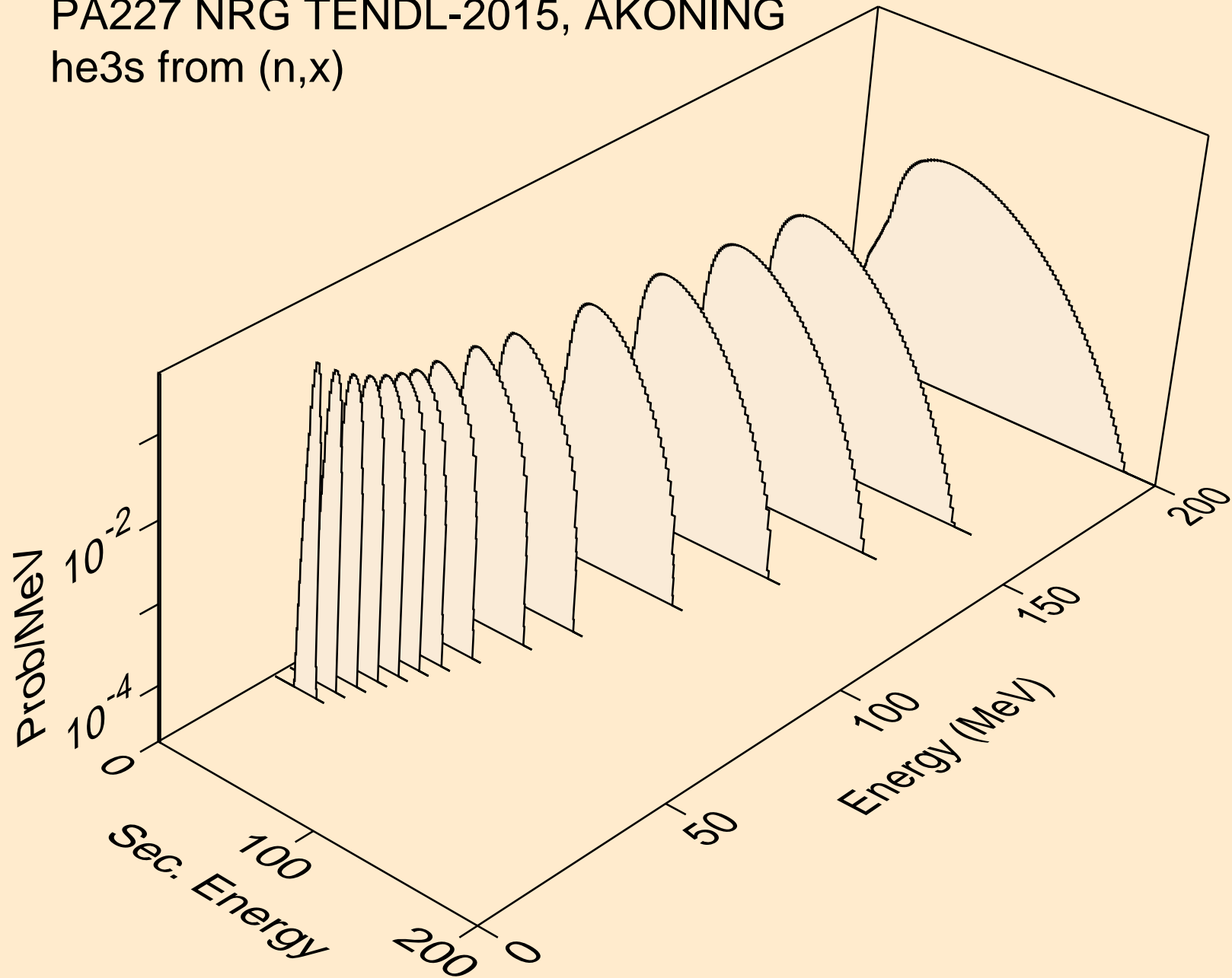
PA227 NRG TENDL-2015, AKONING  
tritons from (n,t2a)



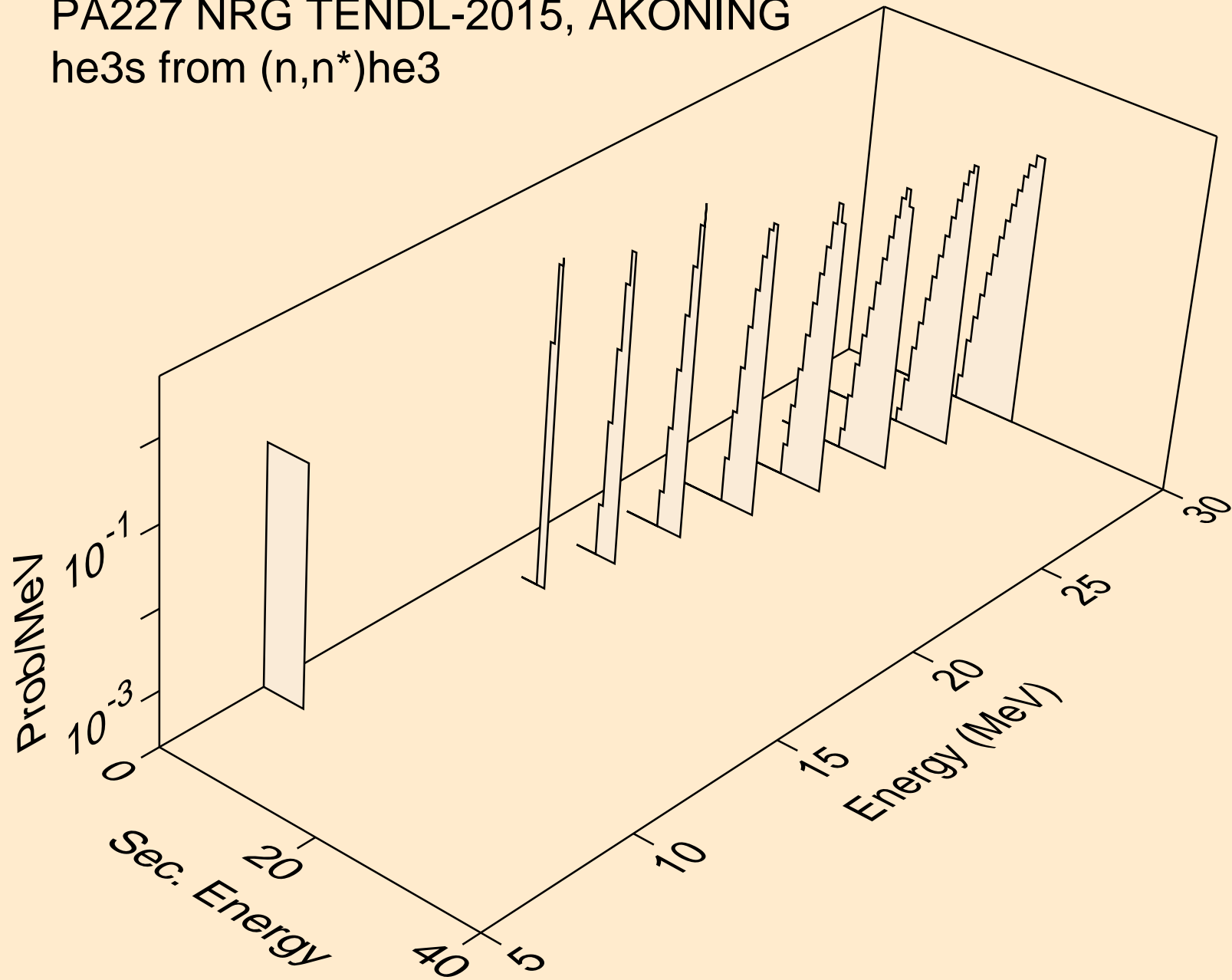
PA227 NRG TENDL-2015, AKONING  
tritons from (n,pt)



PA227 NRG TENDL-2015, AKONING  
he3s from (n,x)

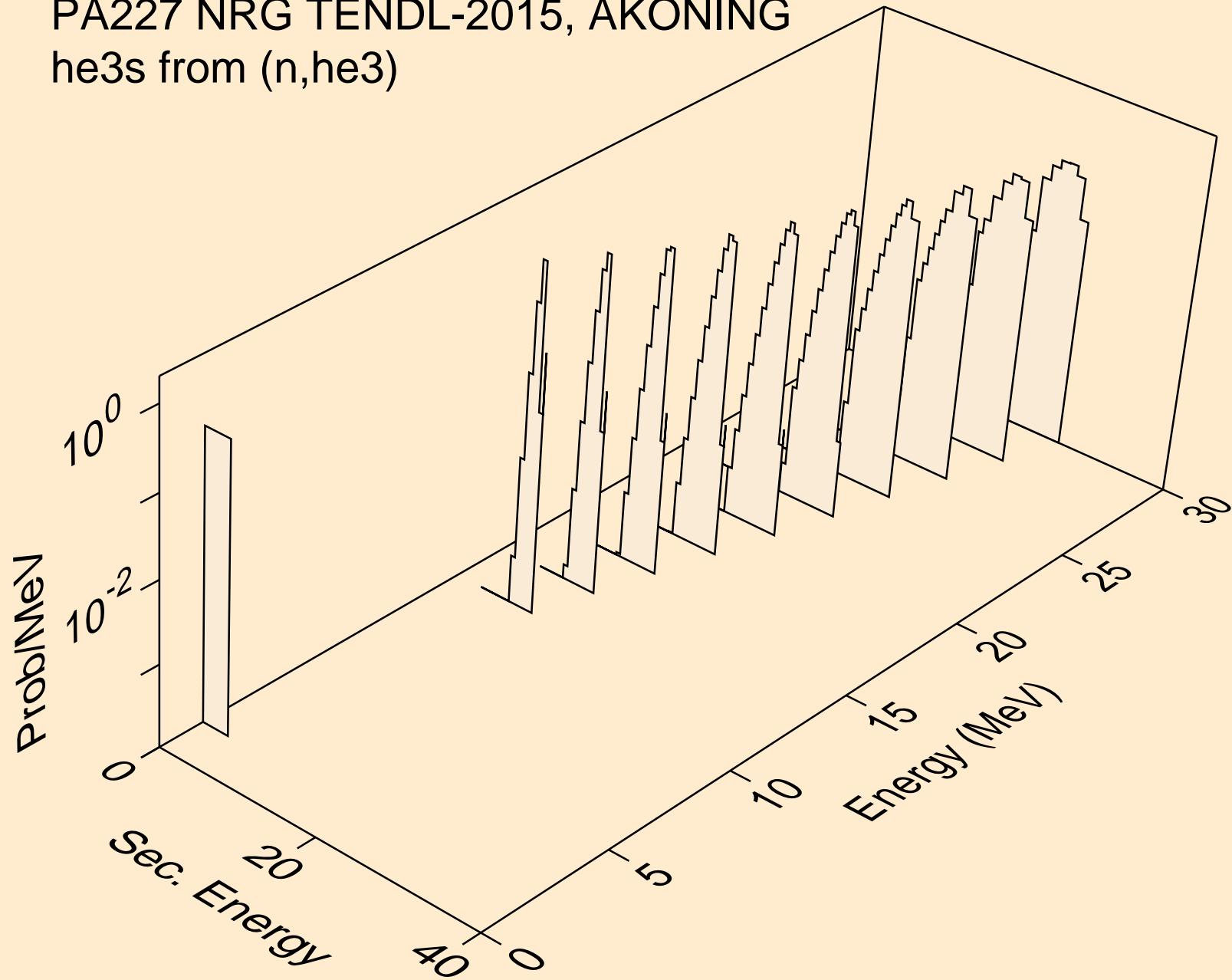


PA227 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

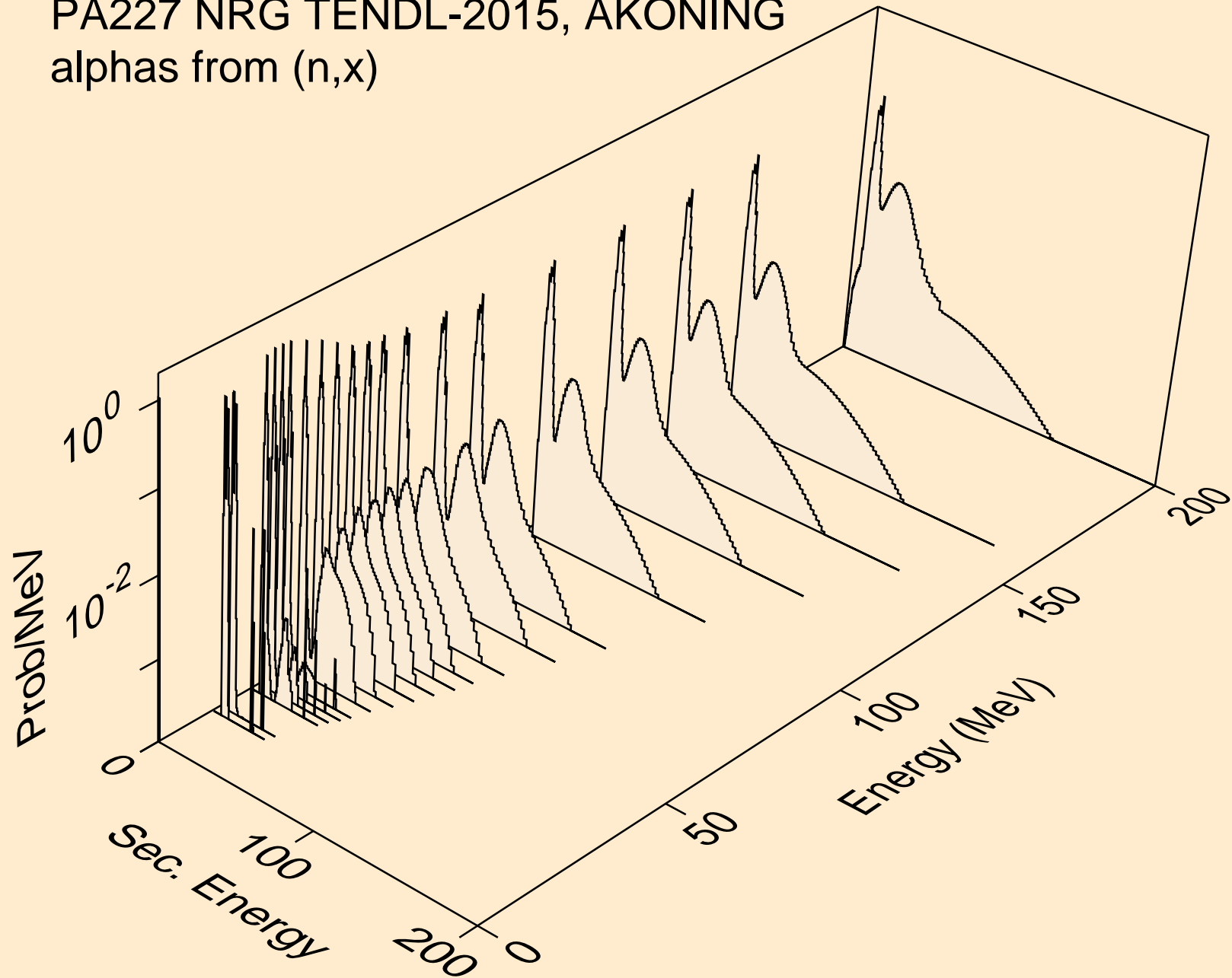




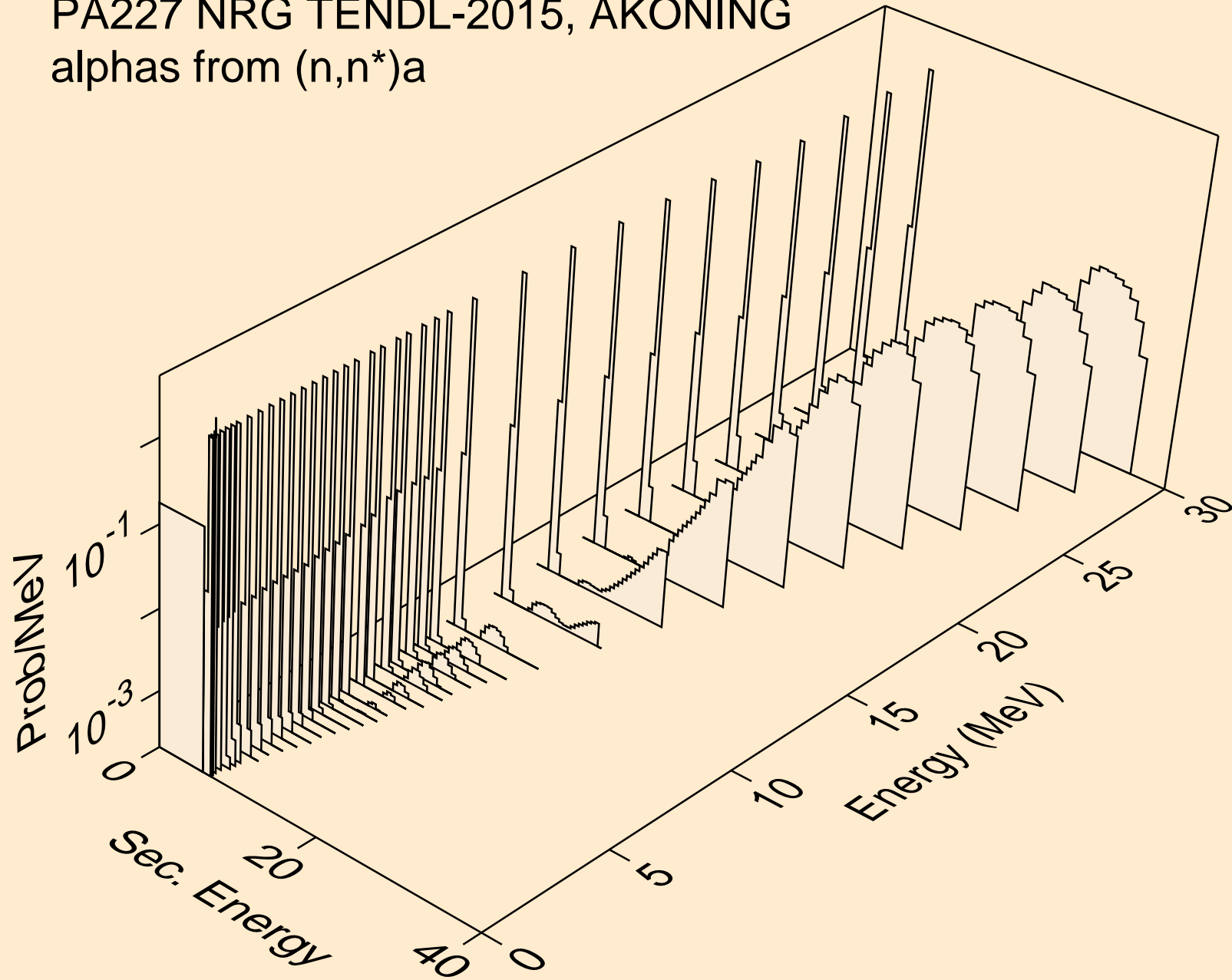
PA227 NRG TENDL-2015, AKONING  
he3s from (n,he3)



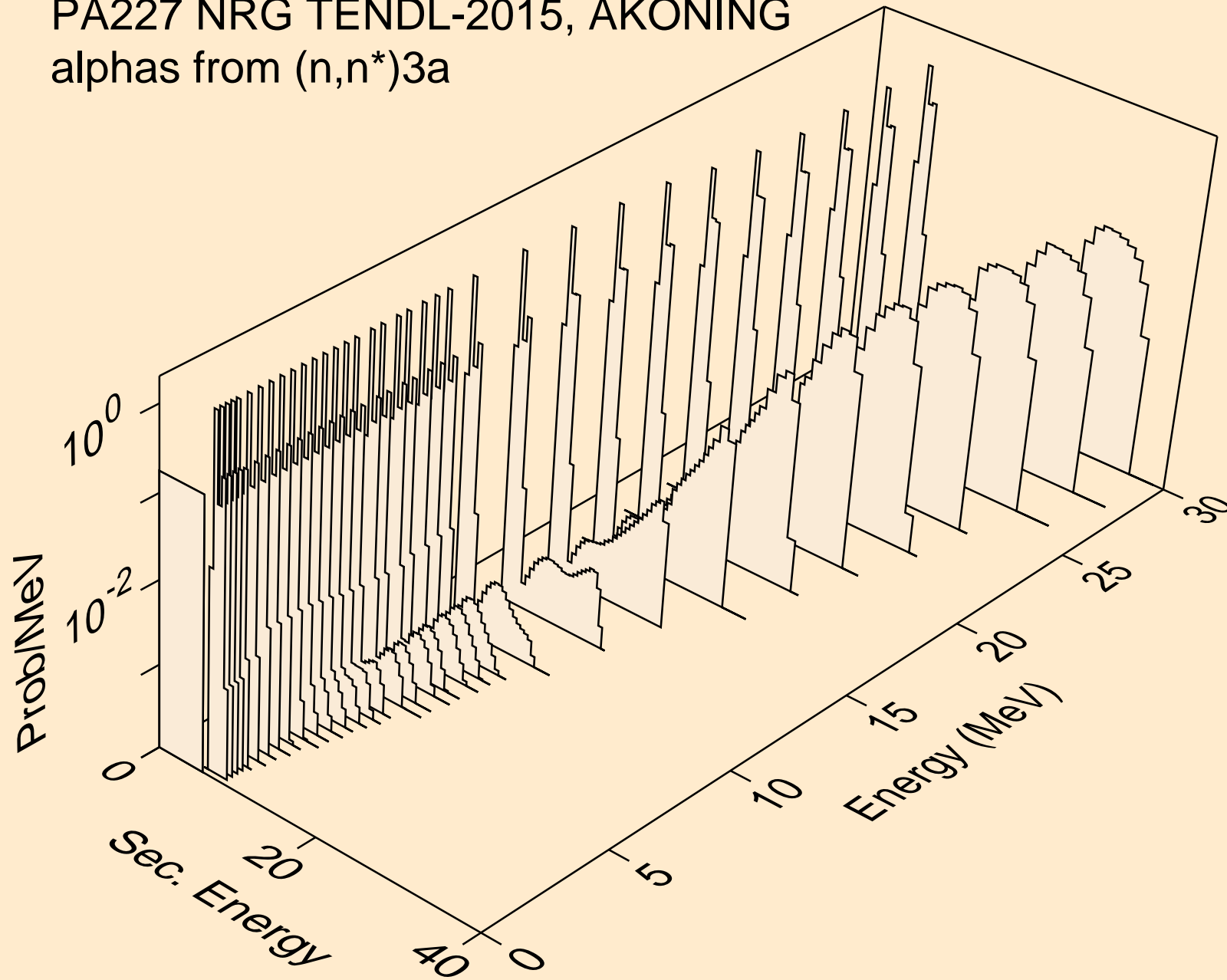
PA227 NRG TENDL-2015, AKONING  
alphas from (n,x)



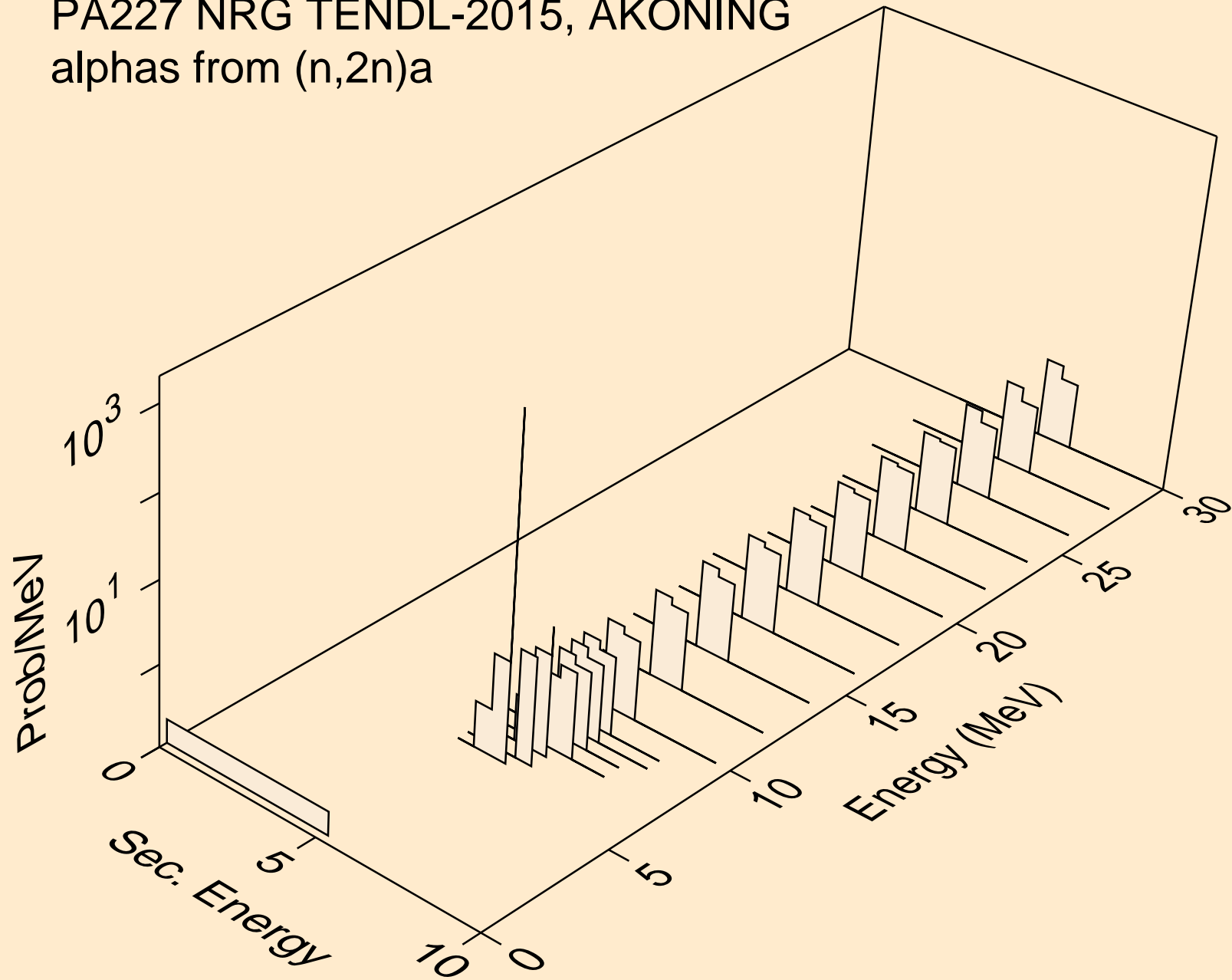
PA227 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



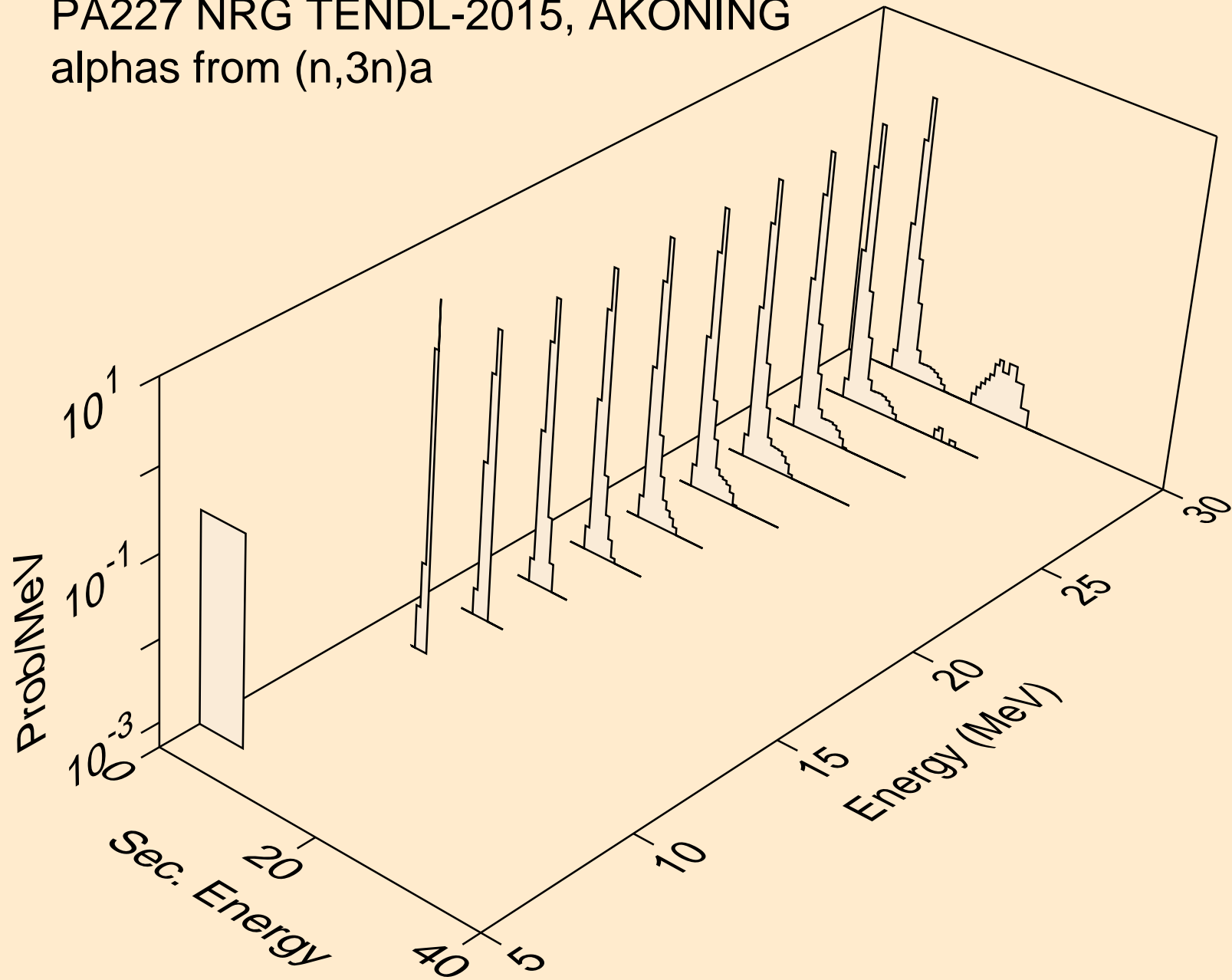
PA227 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



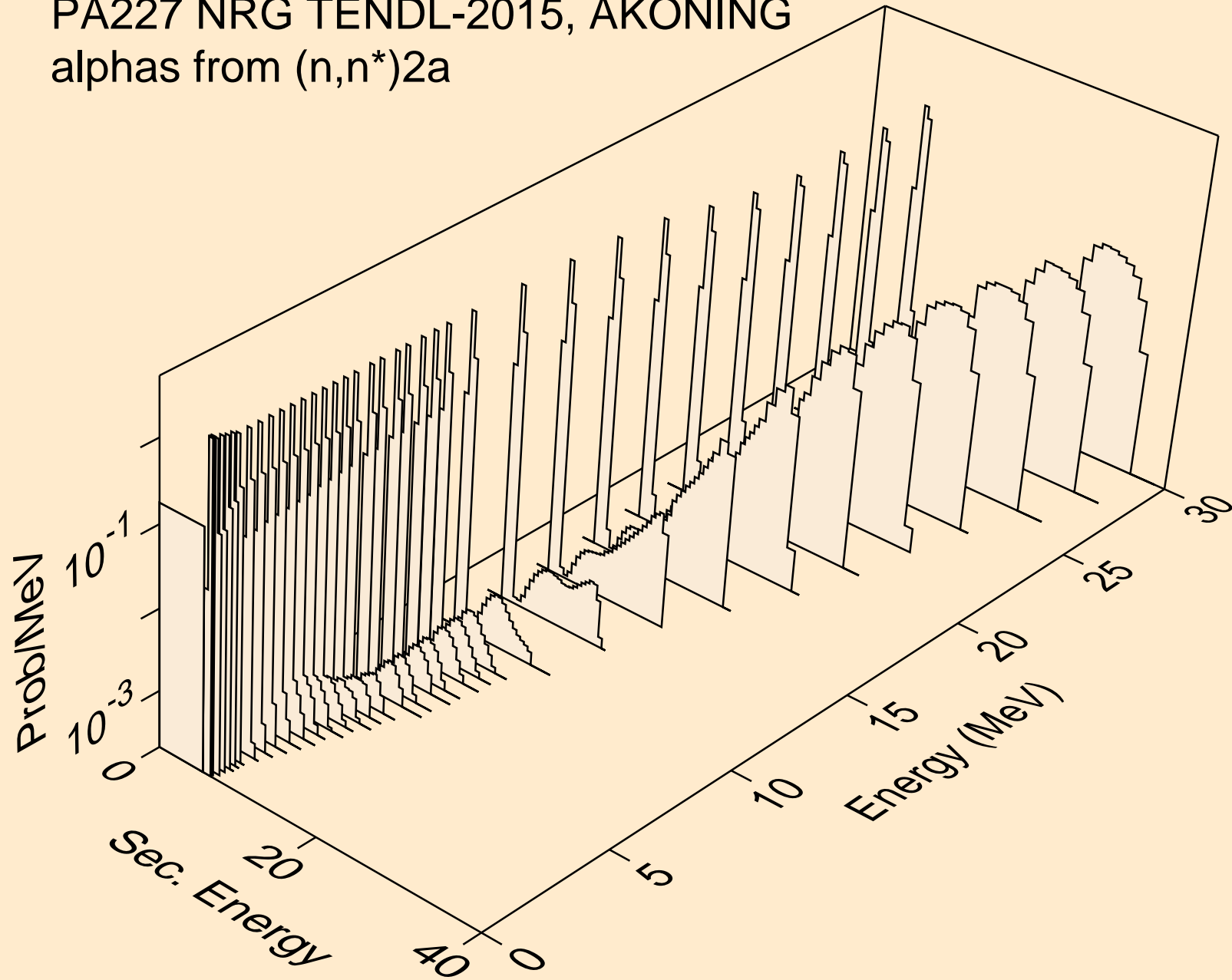
PA227 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



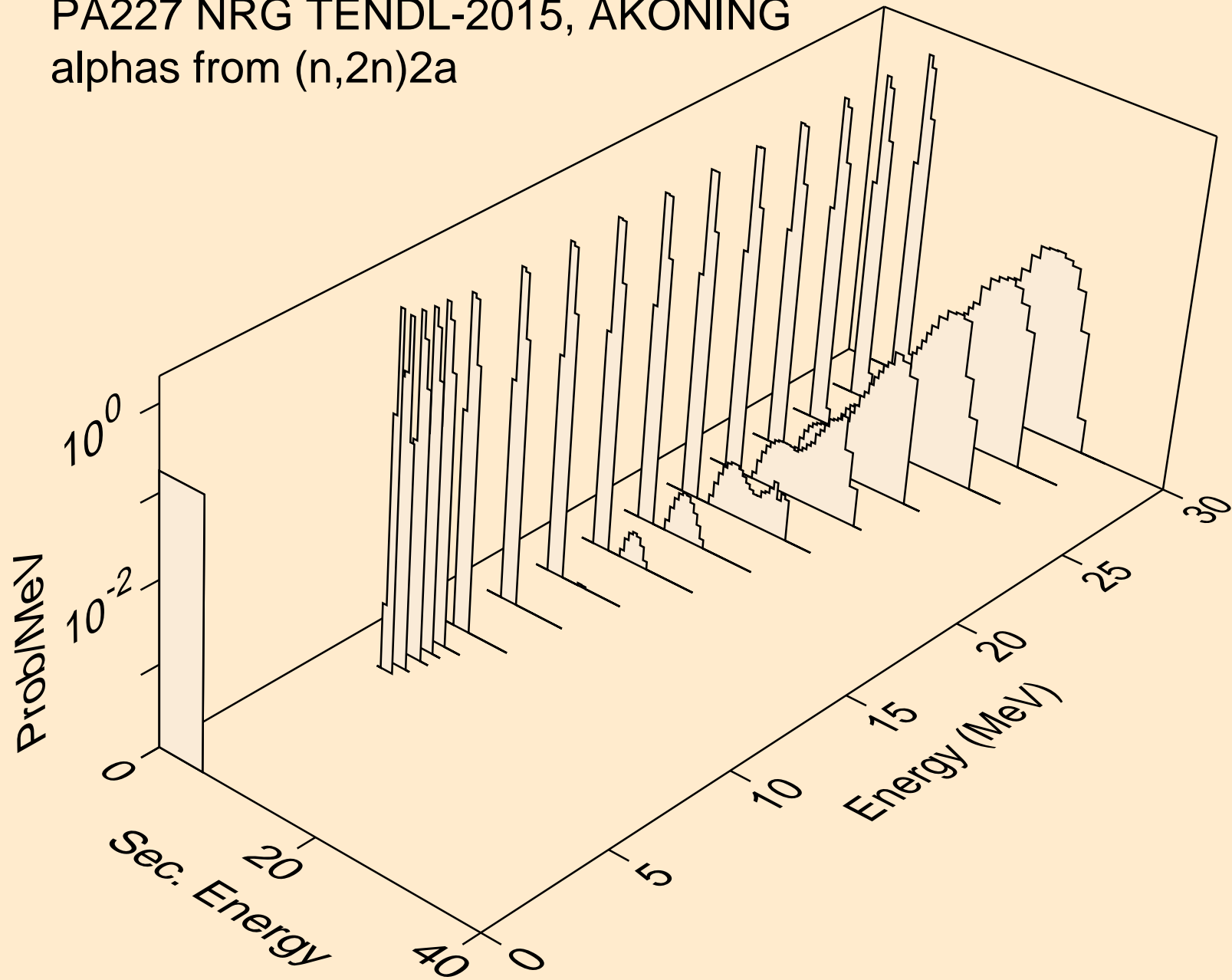
PA227 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



PA227 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a

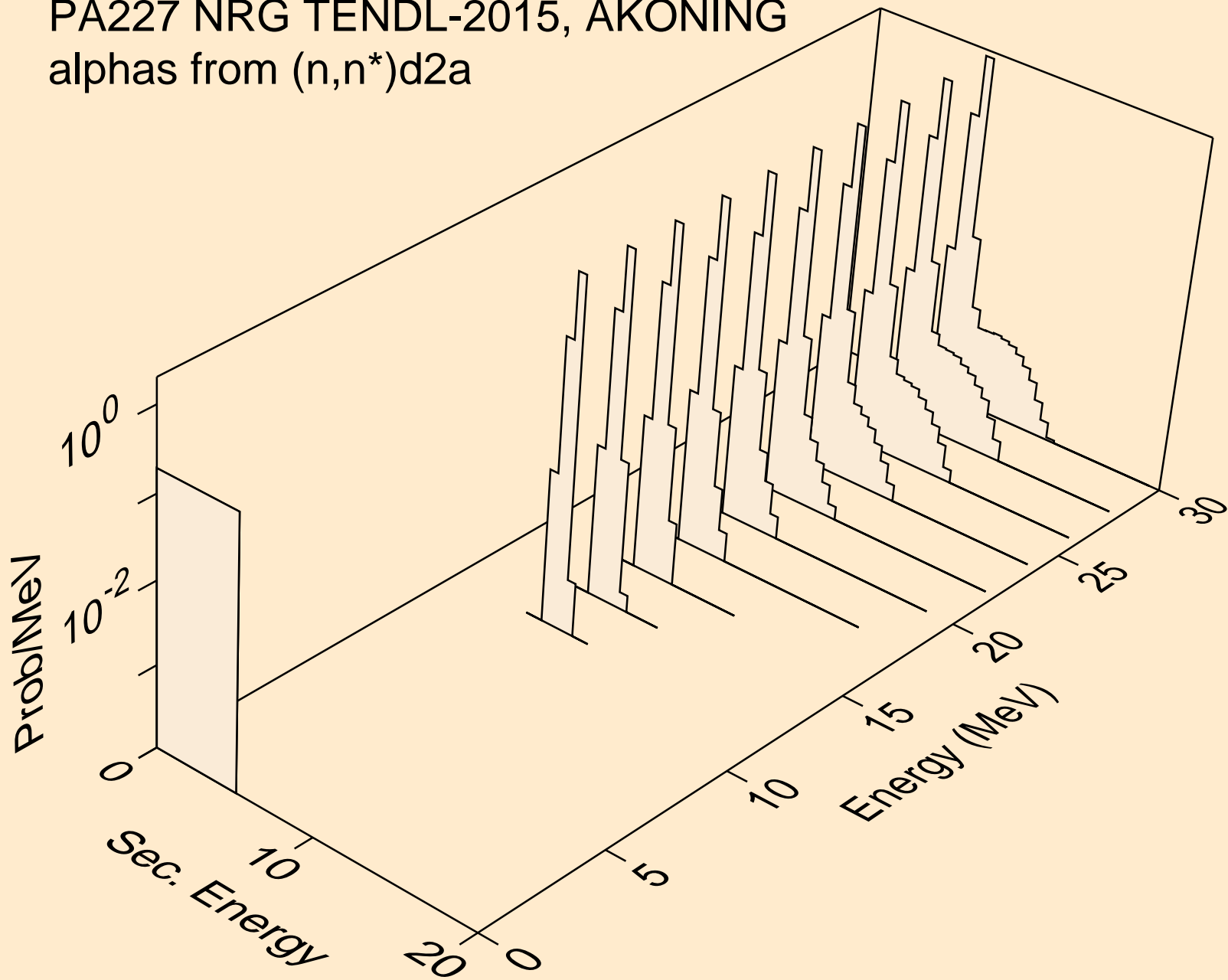


PA227 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

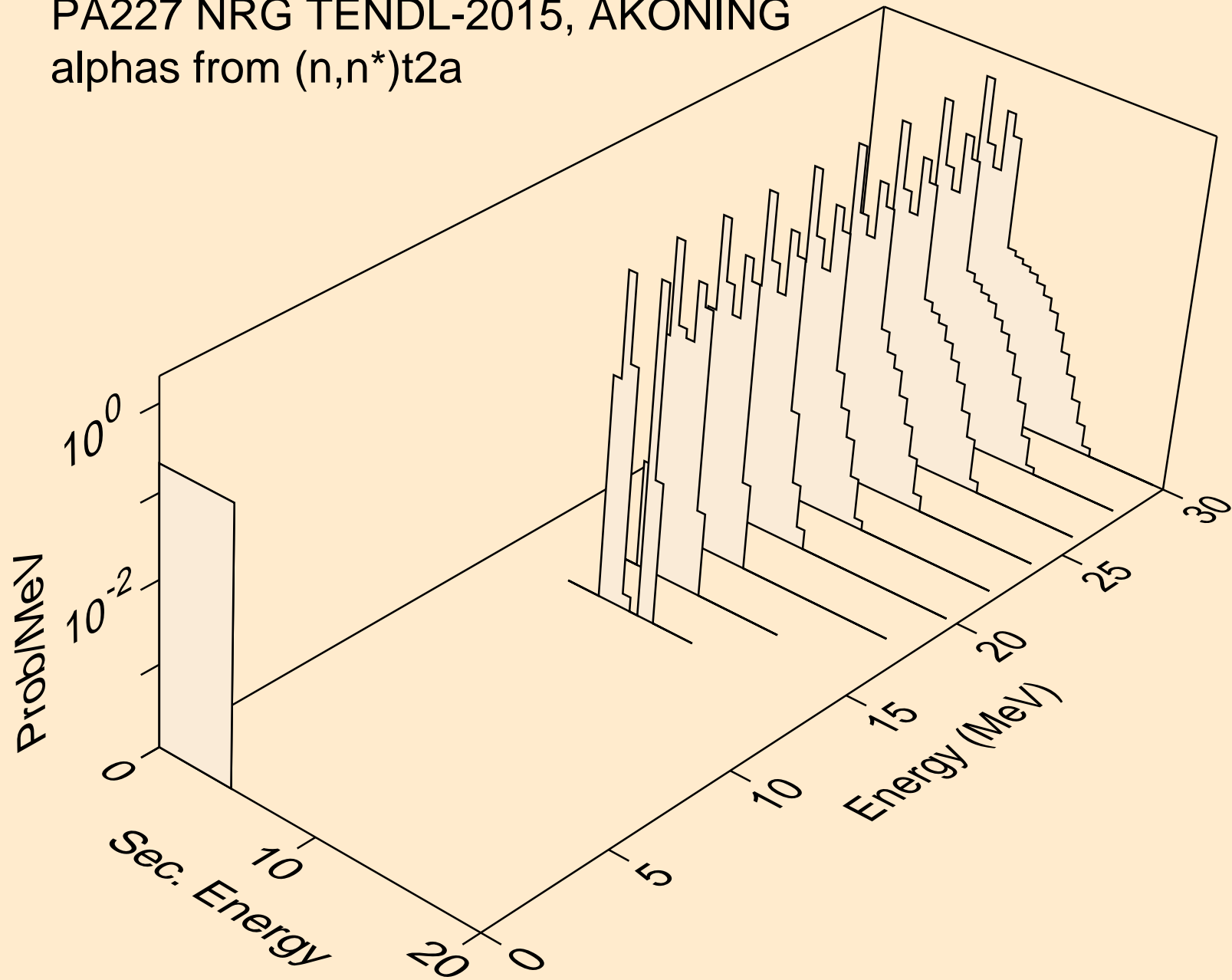




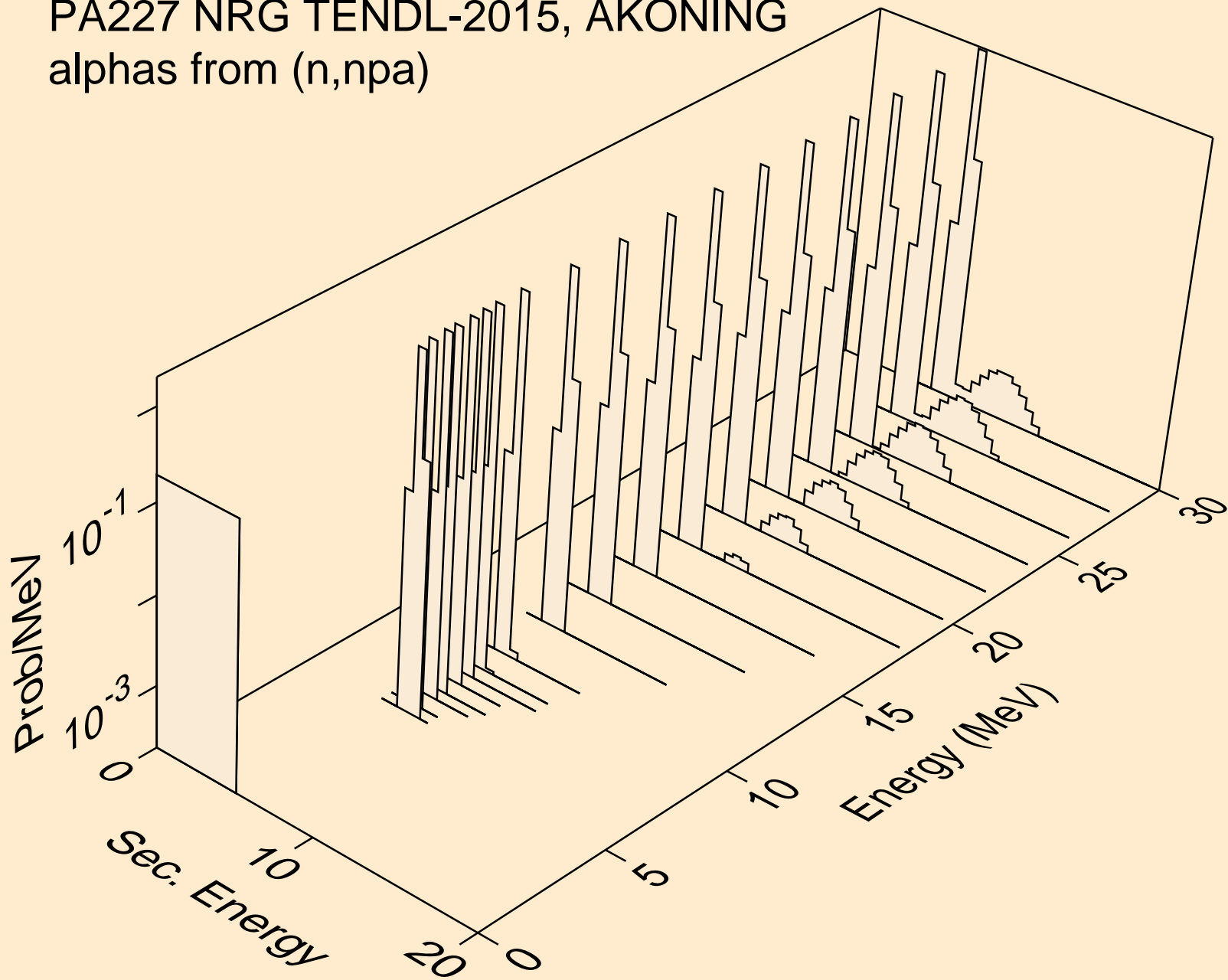
PA227 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



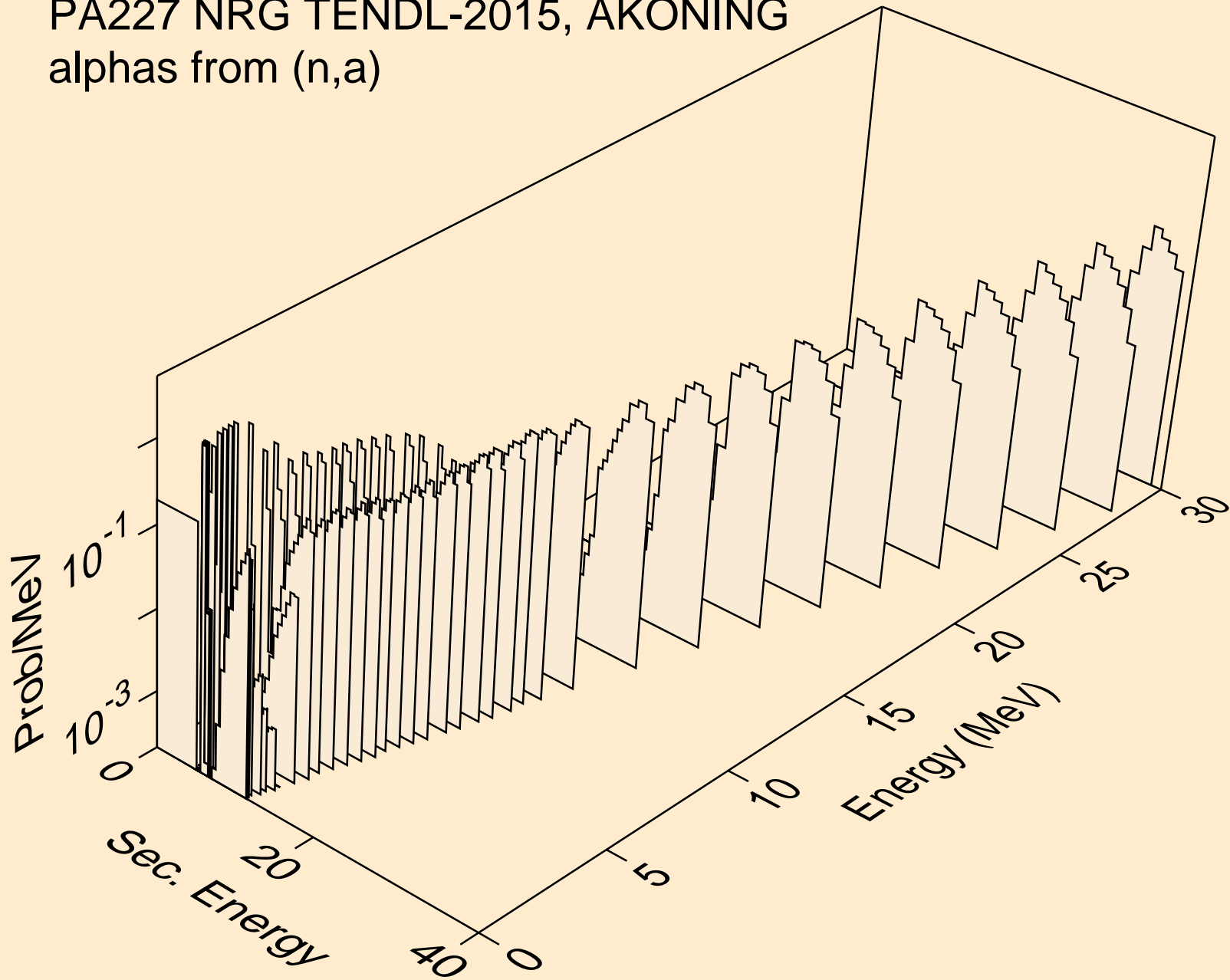
PA227 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



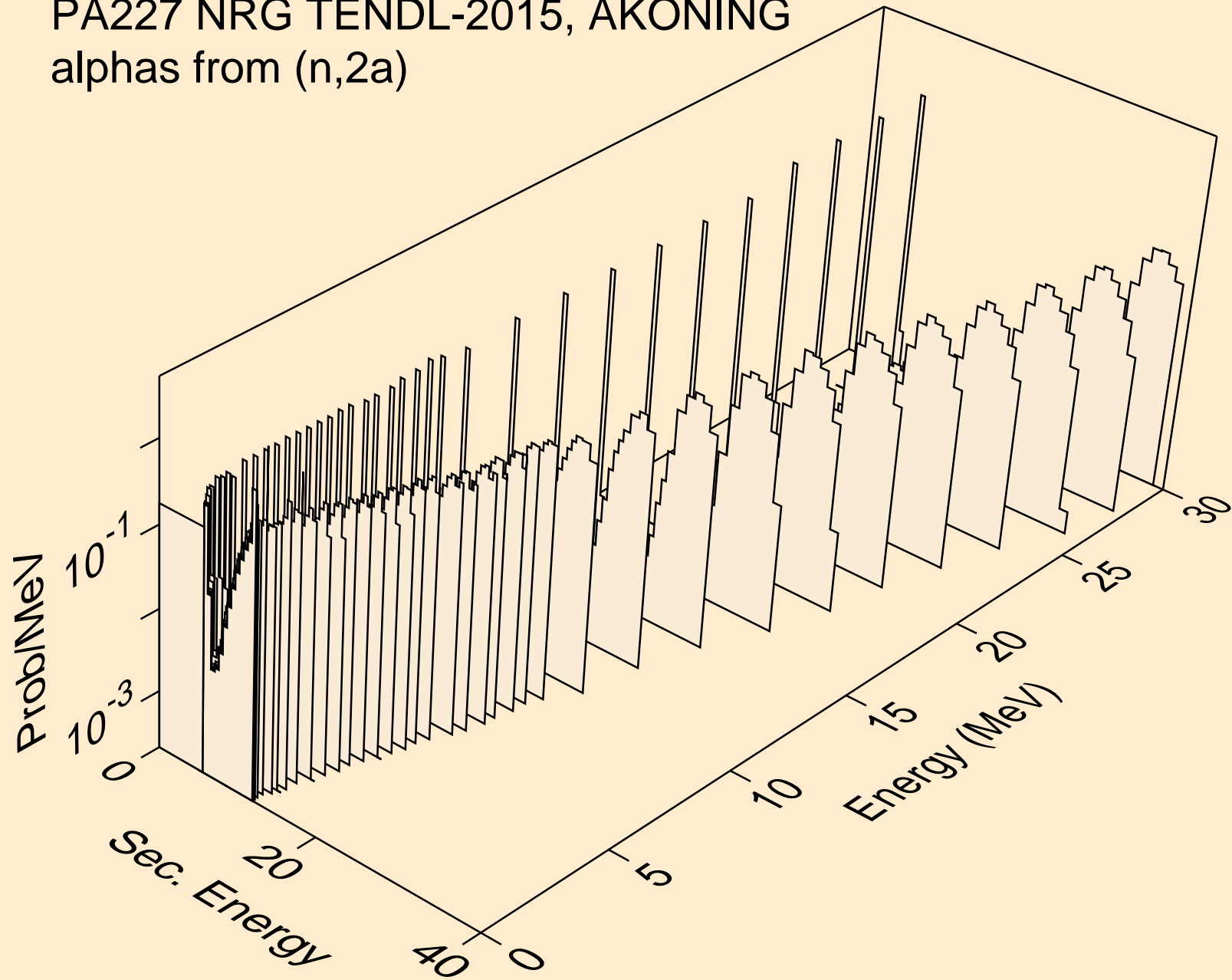
PA227 NRG TENDL-2015, AKONING  
alphas from (n,npa)



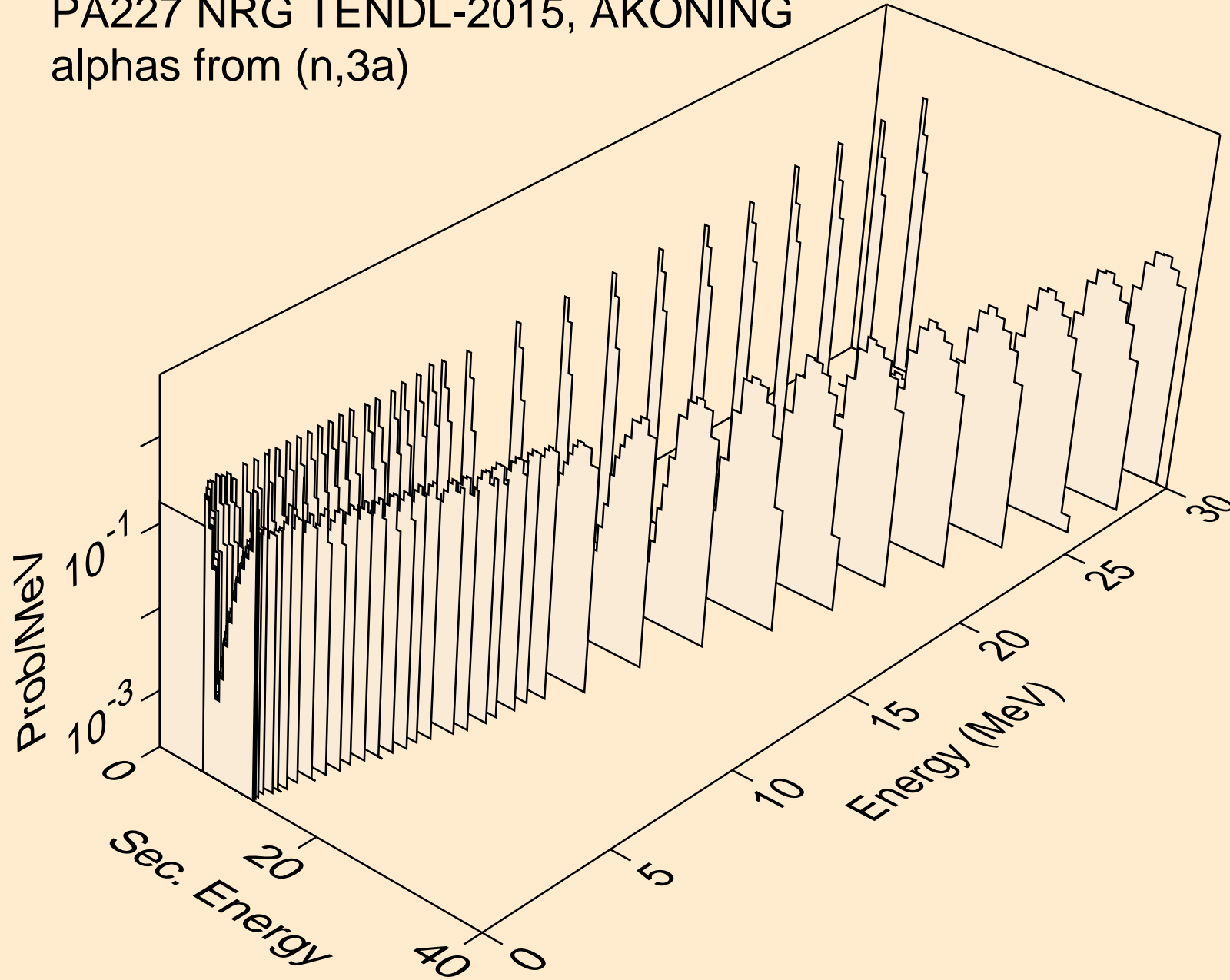
PA227 NRG TENDL-2015, AKONING  
alphas from (n,a)



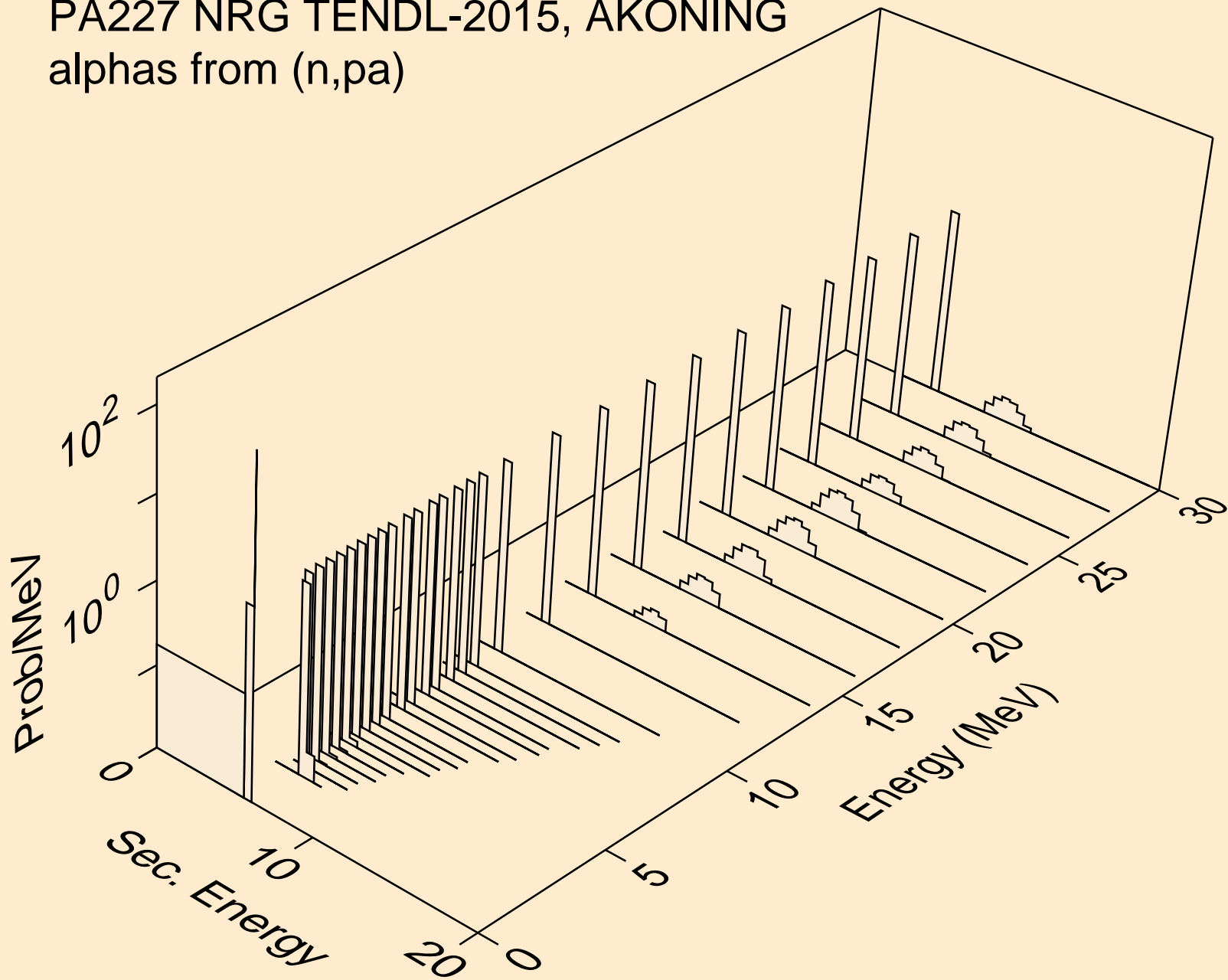
PA227 NRG TENDL-2015, AKONING  
alphas from (n,2a)



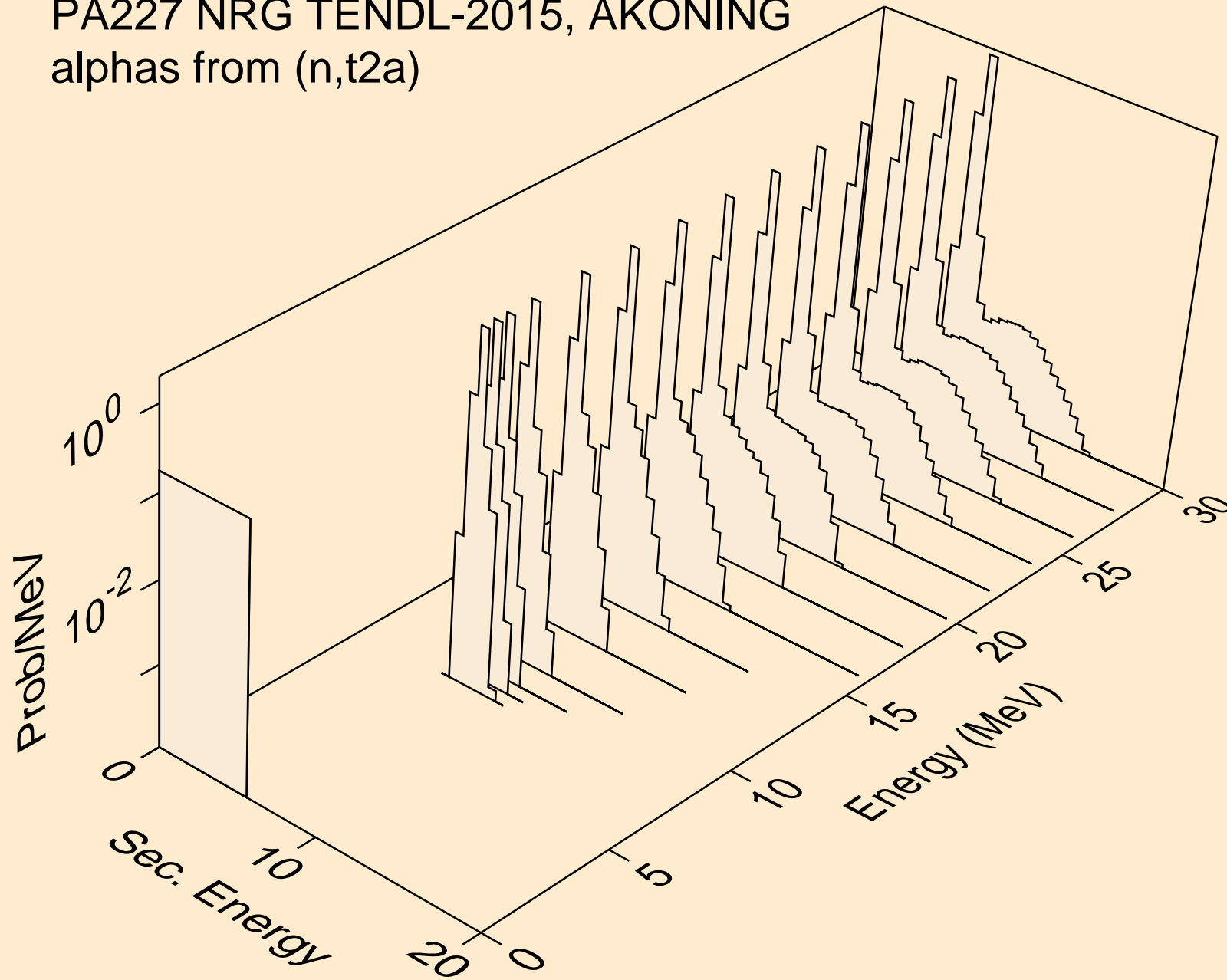
PA227 NRG TENDL-2015, AKONING  
alphas from (n,3a)



PA227 NRG TENDL-2015, AKONING  
alphas from (n,pa)

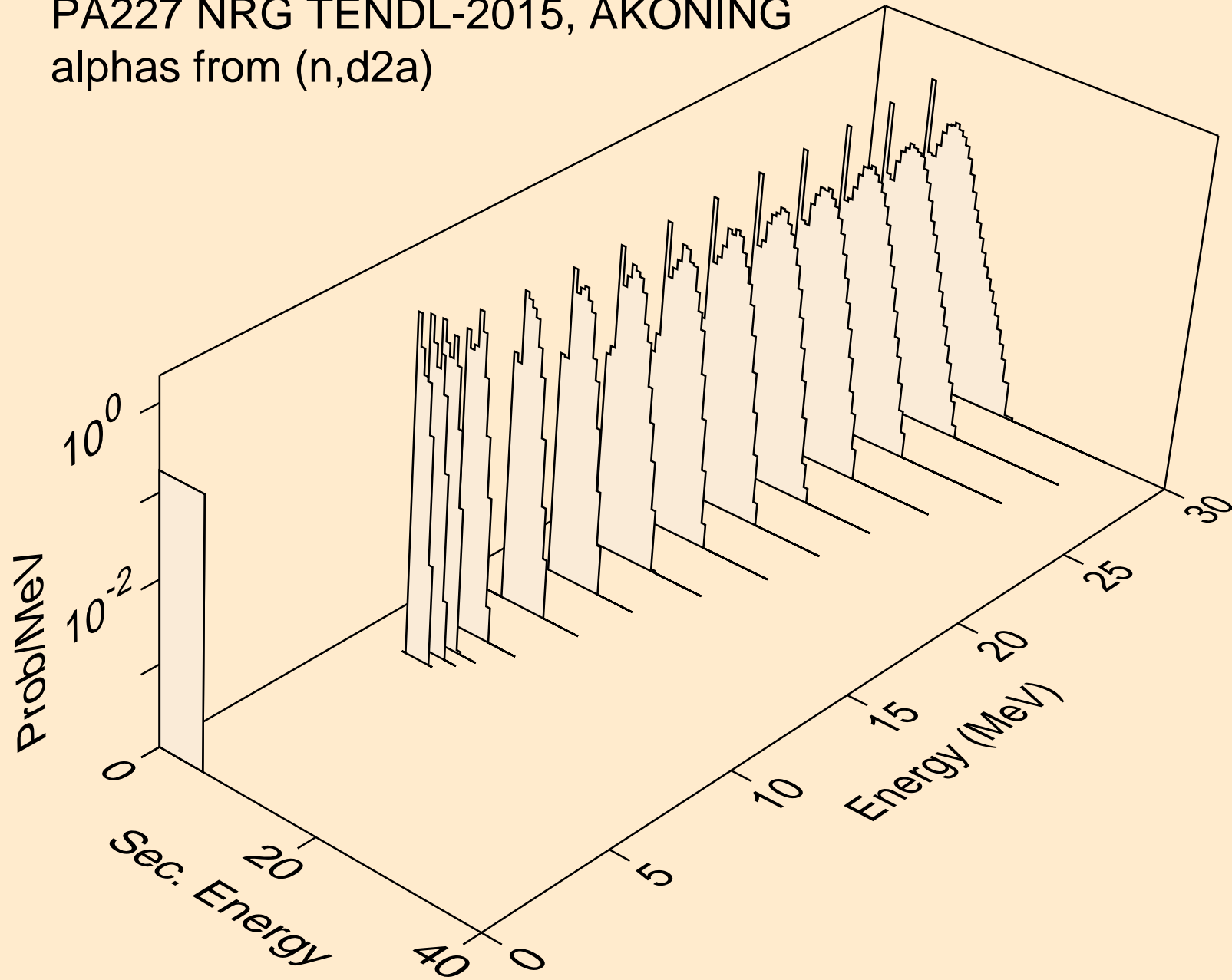


PA227 NRG TENDL-2015, AKONING  
alphas from (n,t2a)





PA227 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



PA227 NRG TENDL-2015, AKONING  
alphas from (n,da)

