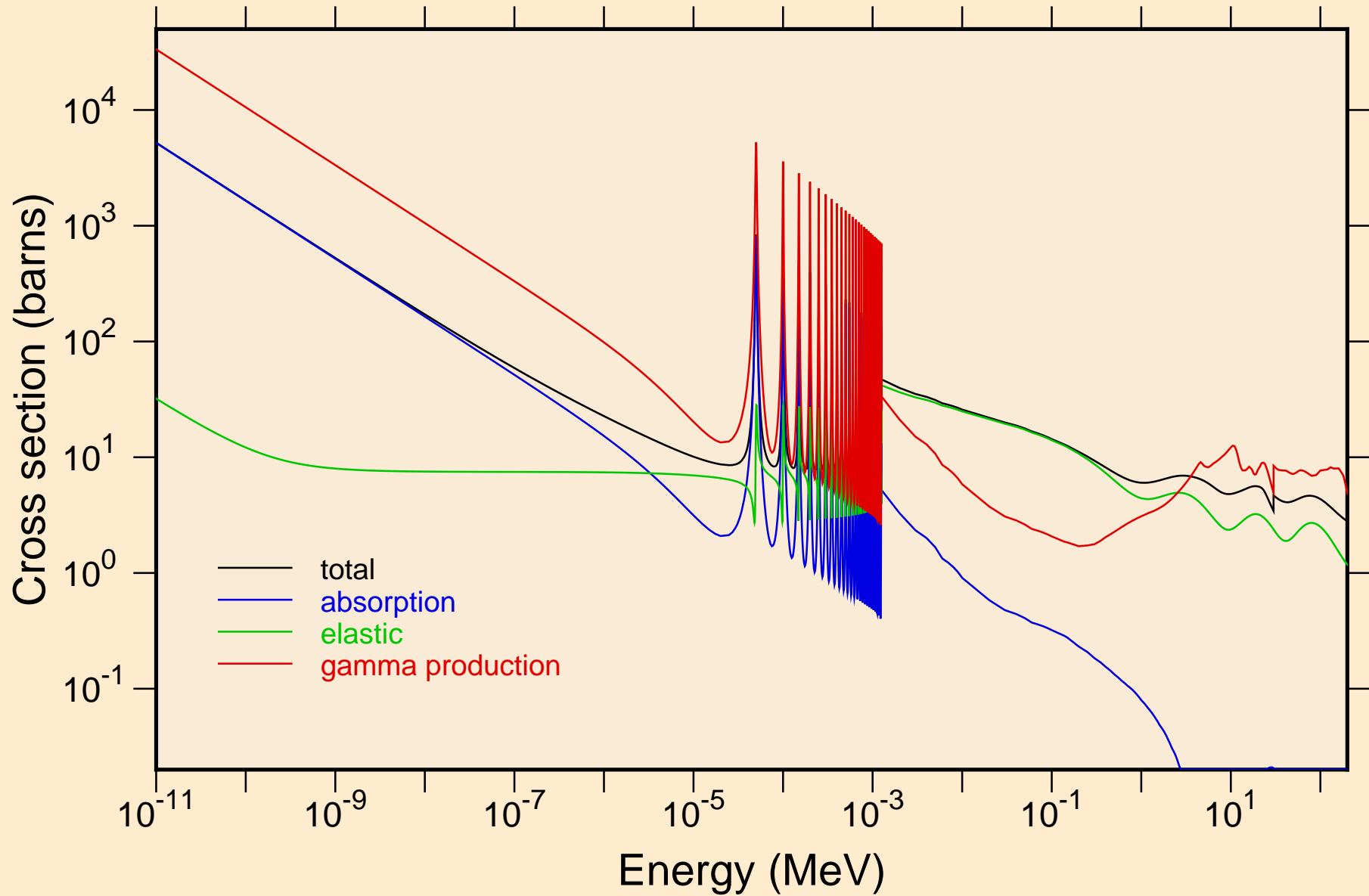
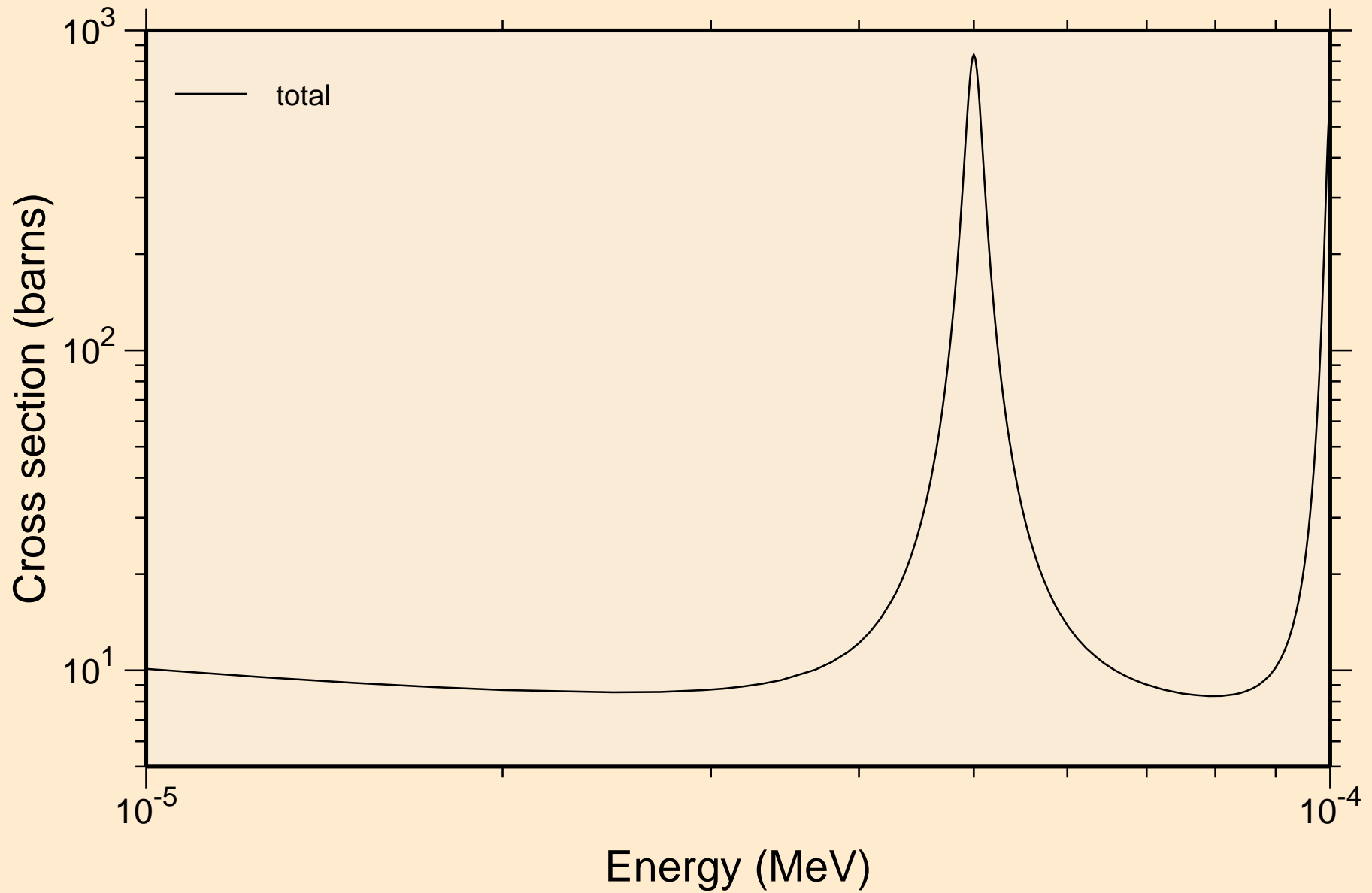


# HF189 NRG TENDL-2015, AKONING

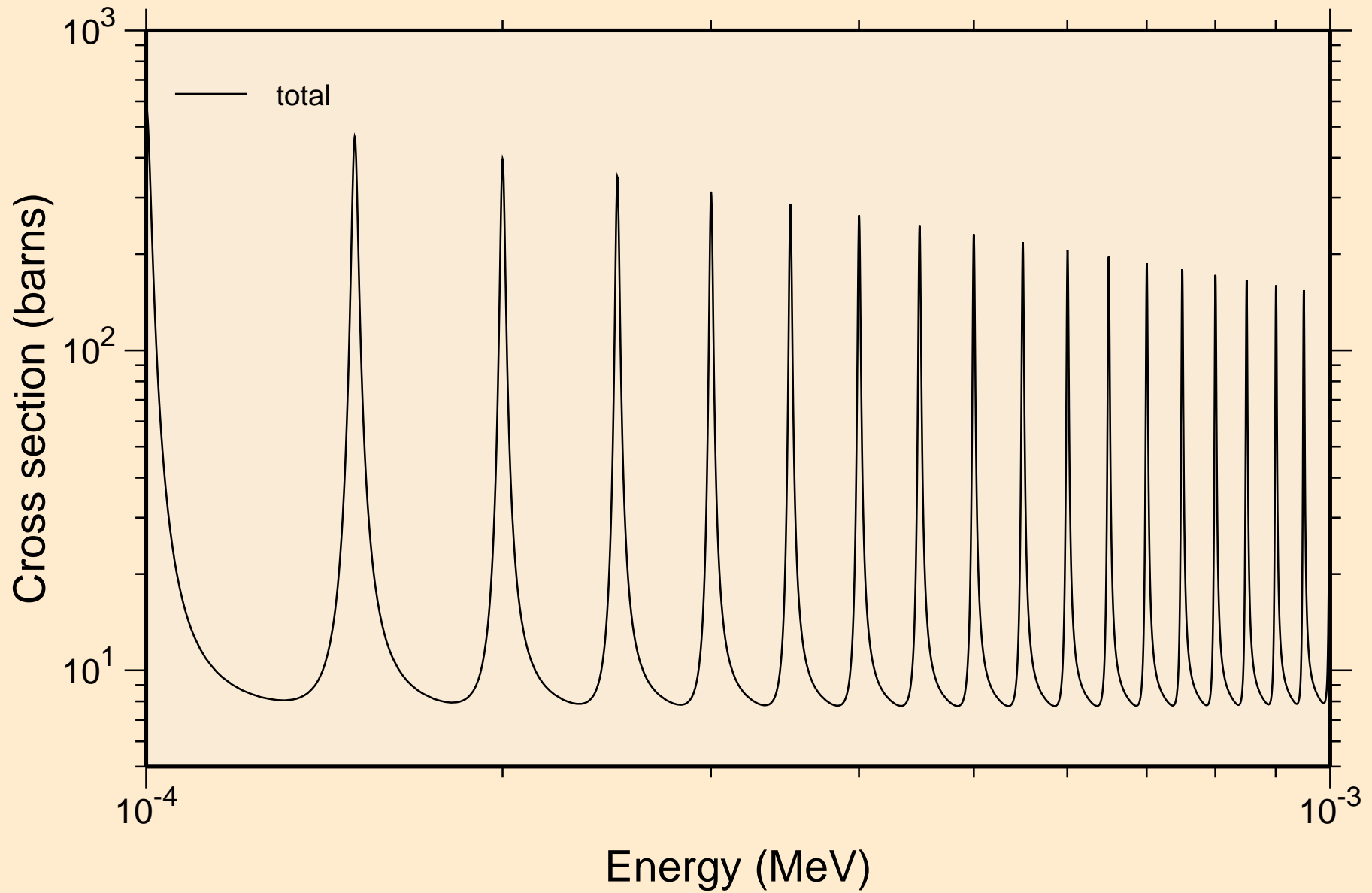
## Principal cross sections



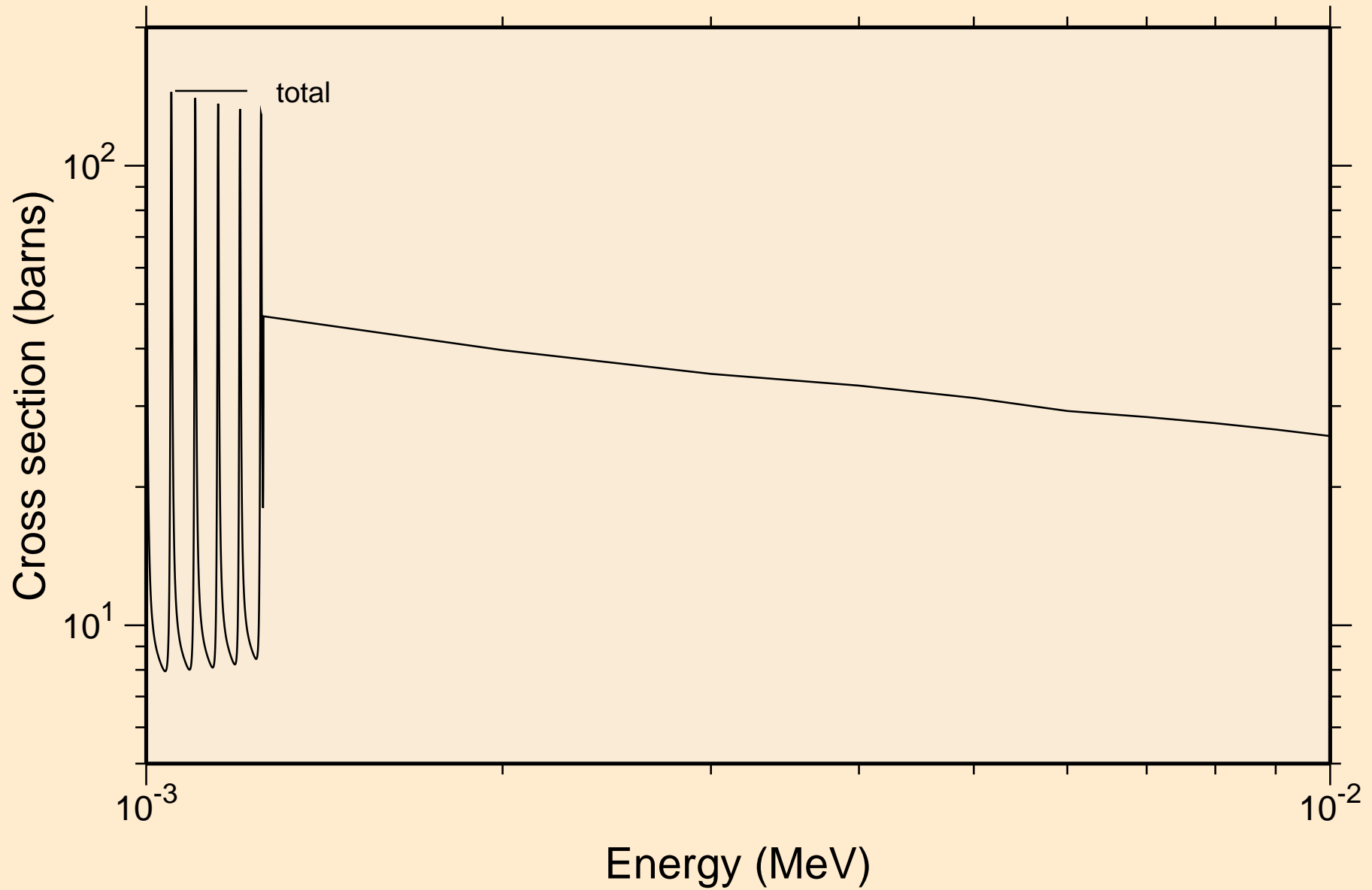
HF189 NRG TENDL-2015, AKONING  
resonance total cross section



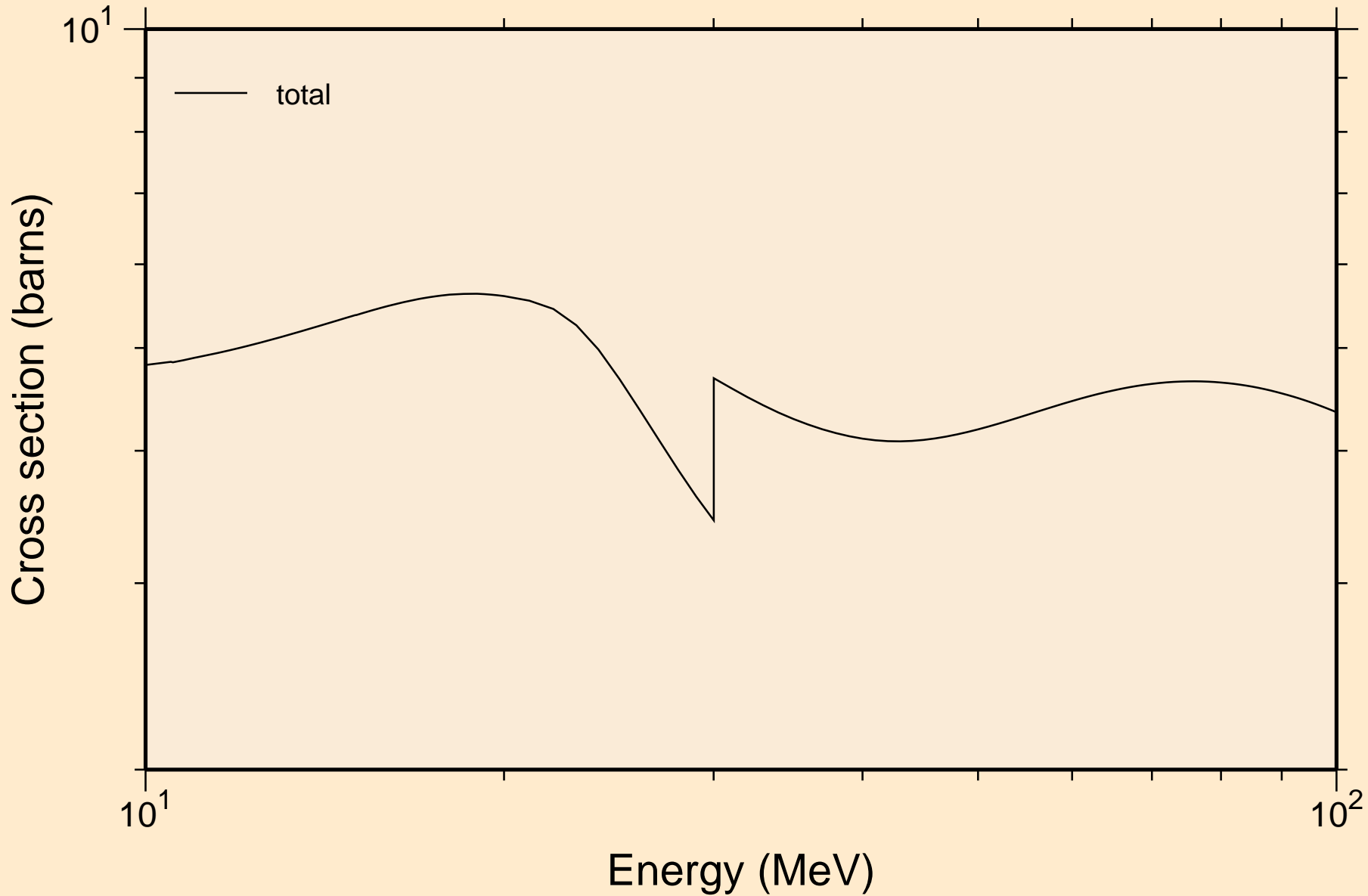
HF189 NRG TENDL-2015, AKONING  
resonance total cross section



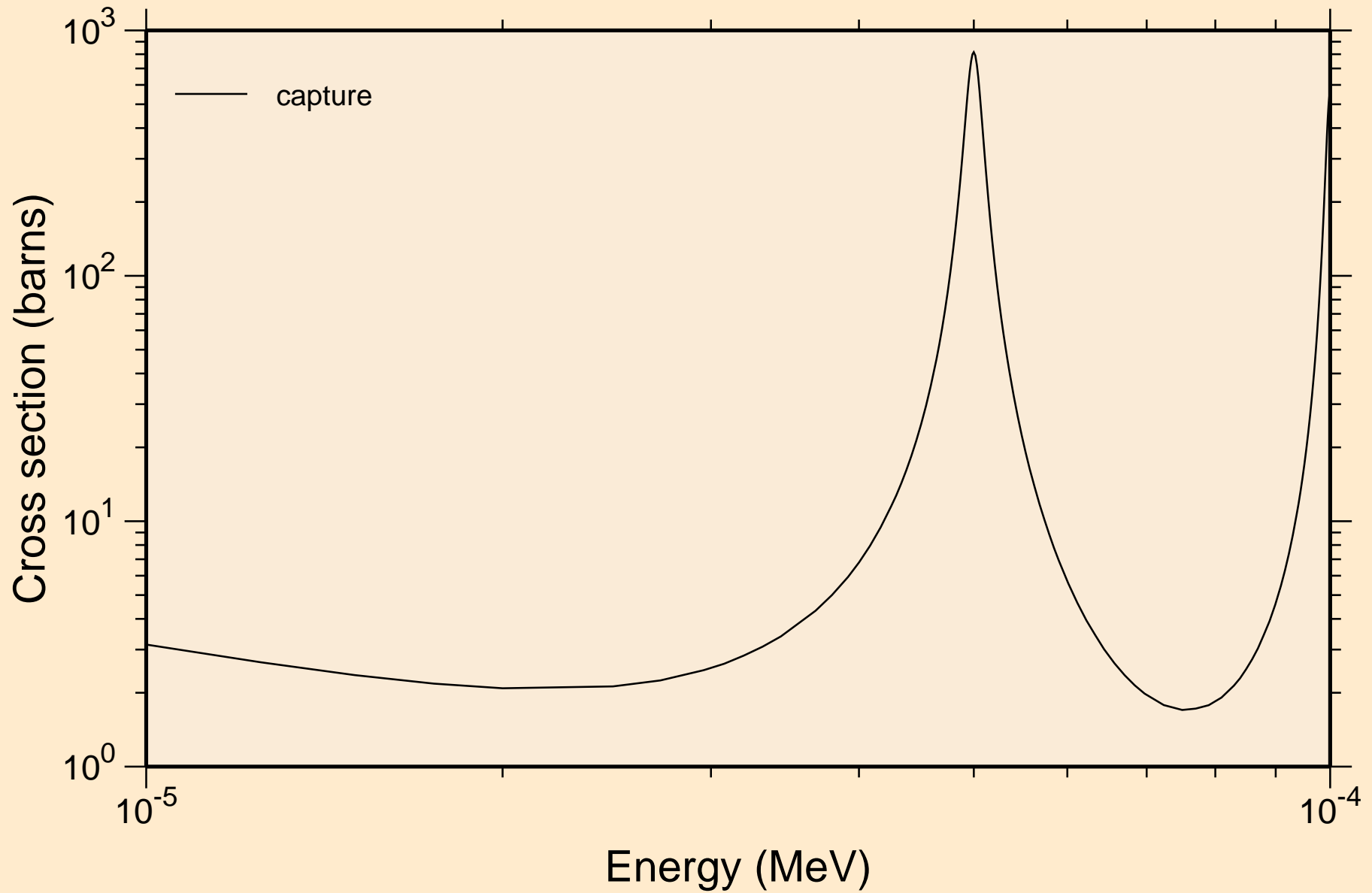
HF189 NRG TENDL-2015, AKONING  
resonance total cross section



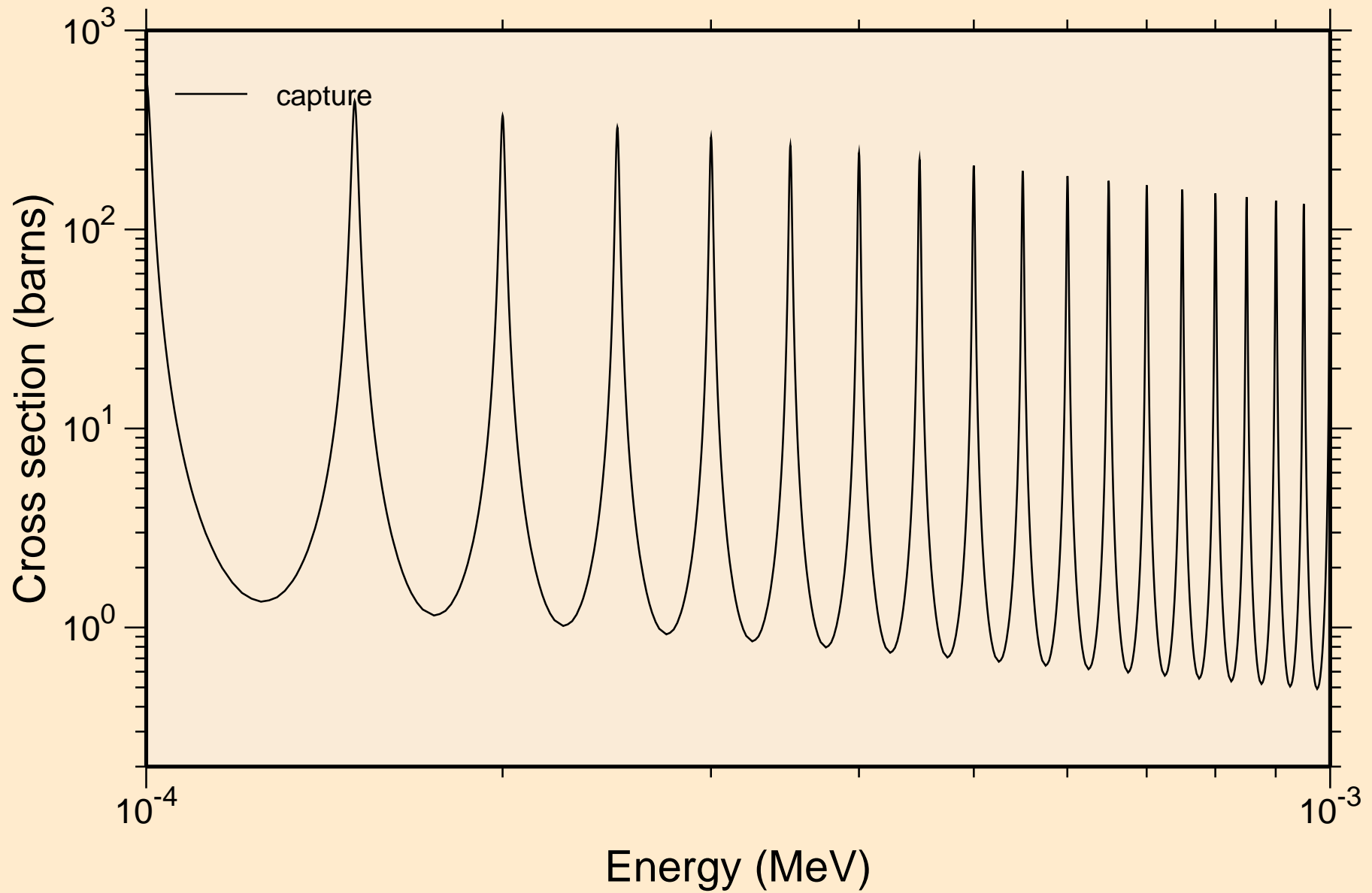
HF189 NRG TENDL-2015, AKONING  
resonance total cross section



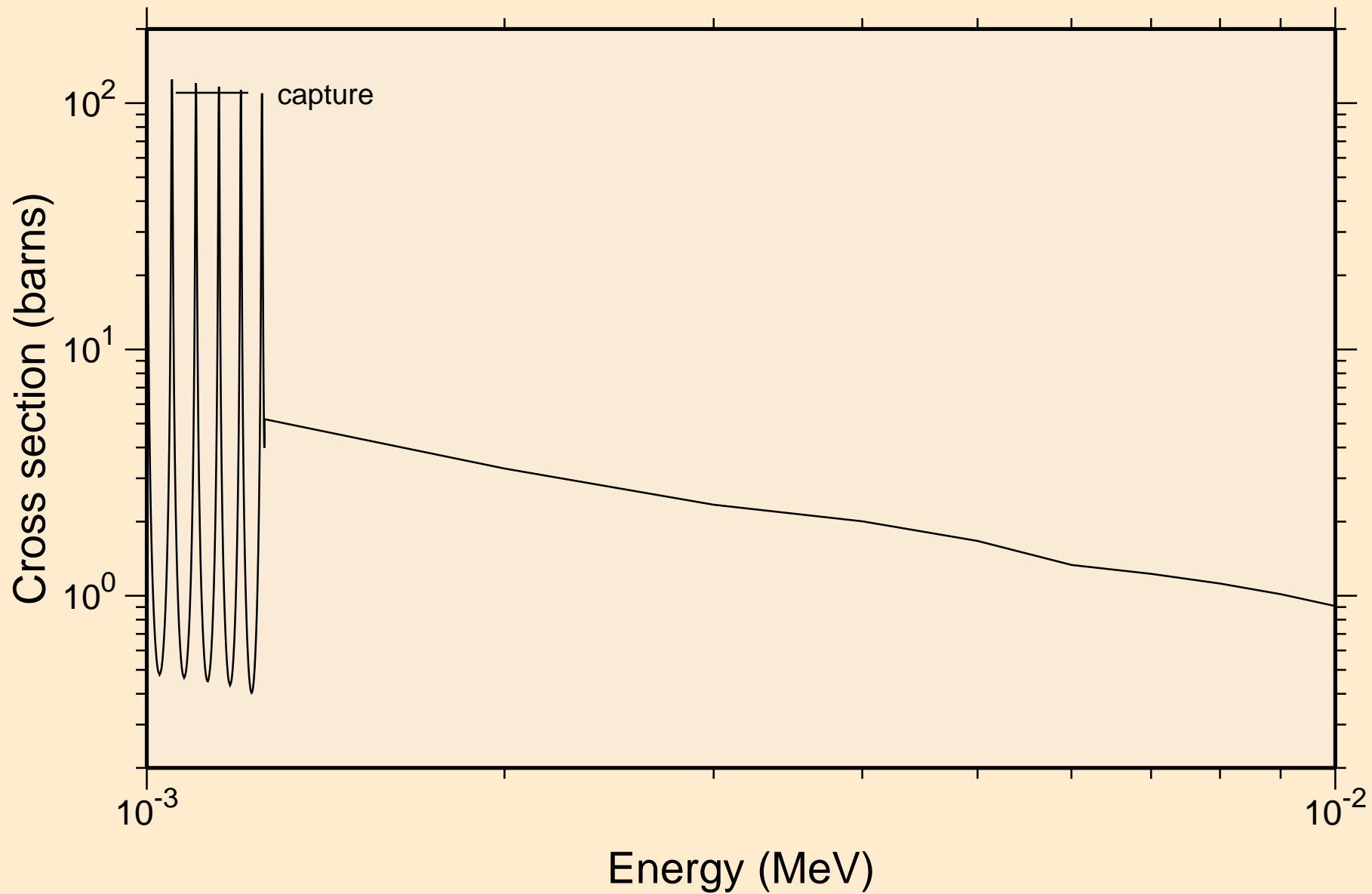
HF189 NRG TENDL-2015, AKONING  
resonance absorption cross sections



# HF189 NRG TENDL-2015, AKONING resonance absorption cross sections

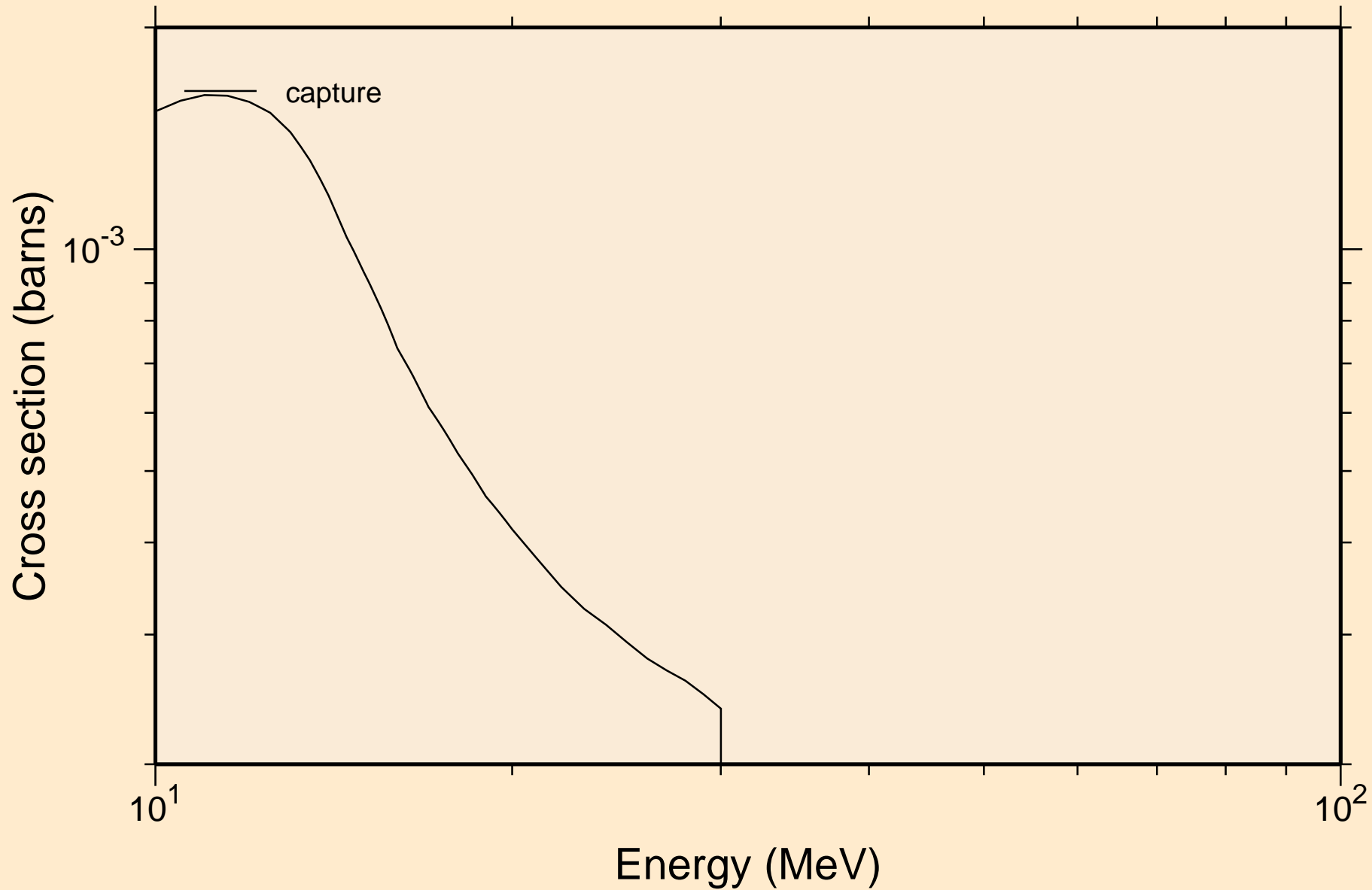


HF189 NRG TENDL-2015, AKONING  
resonance absorption cross sections

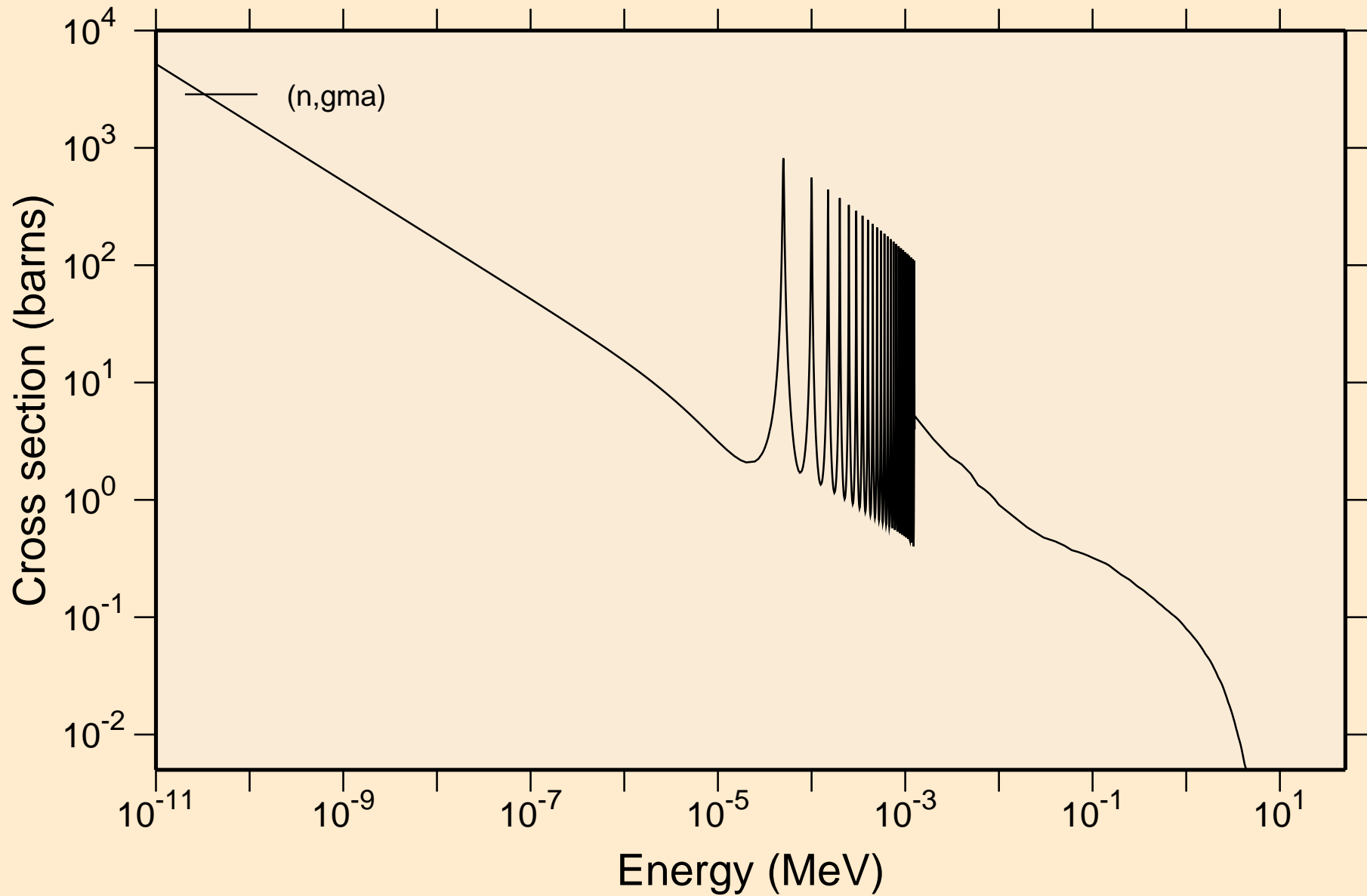




HF189 NRG TENDL-2015, AKONING  
resonance absorption cross sections

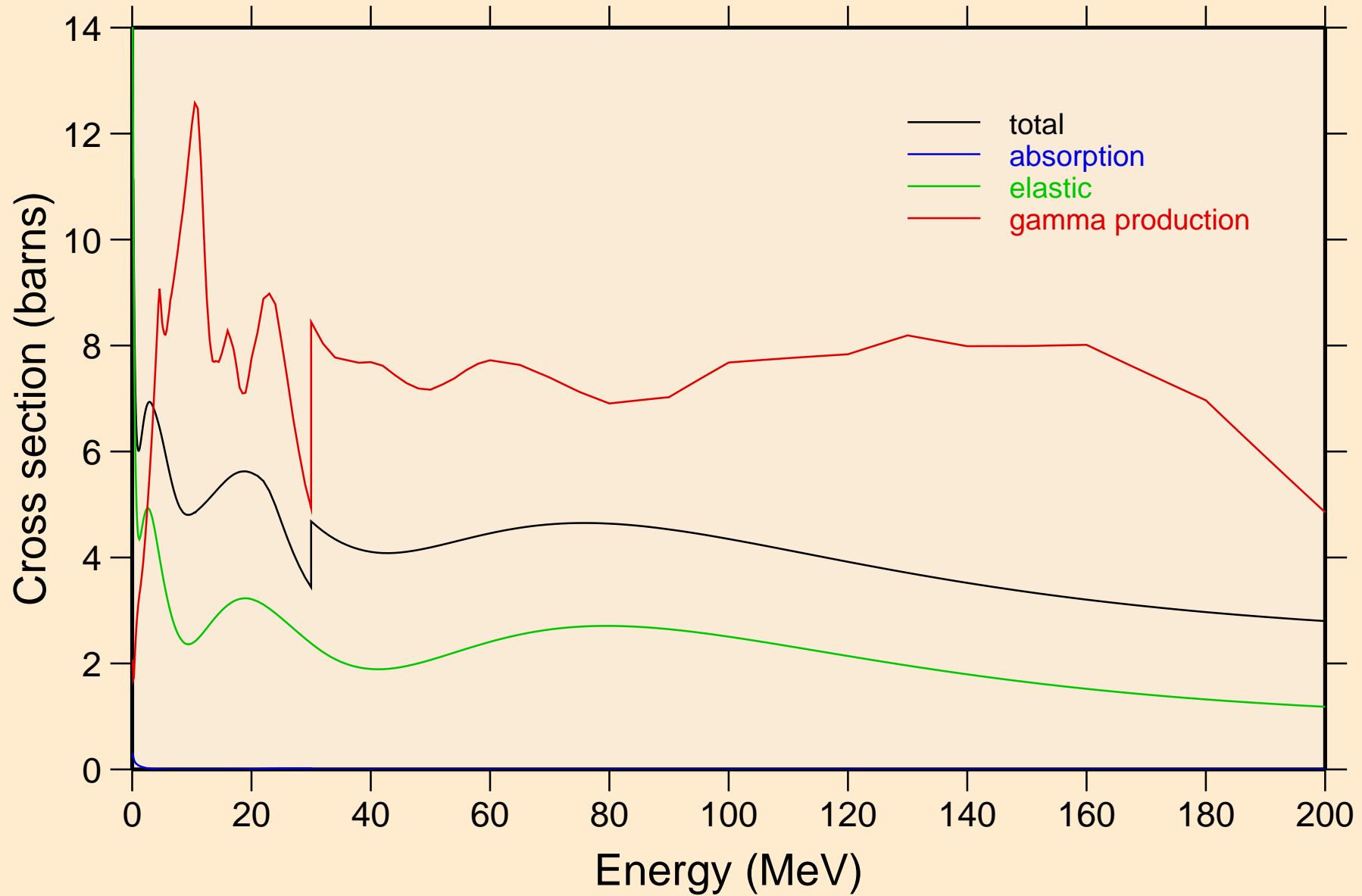


HF189 NRG TENDL-2015, AKONING  
Non-threshold reactions



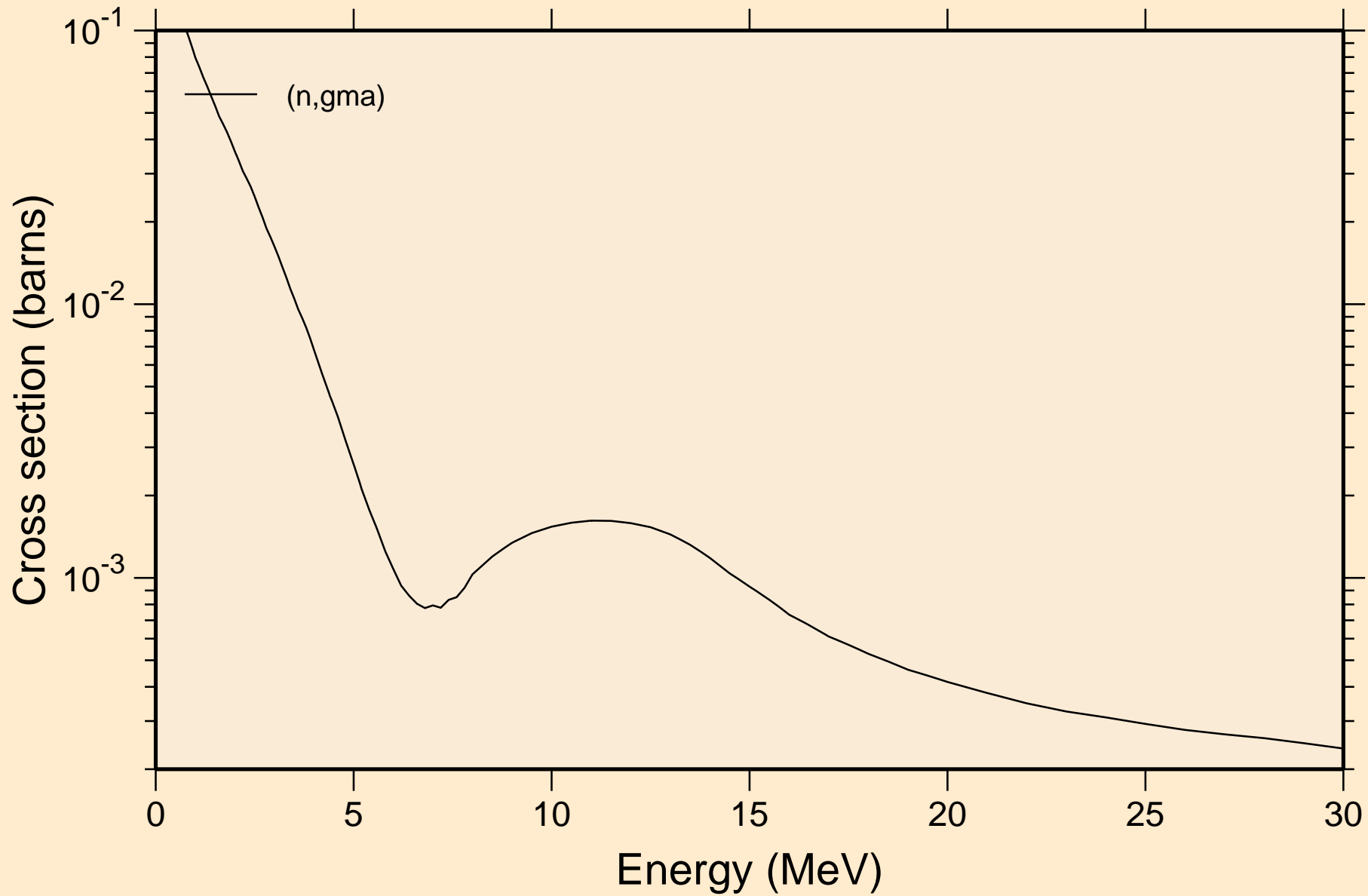
# HF189 NRG TENDL-2015, AKONING

## Principal cross sections



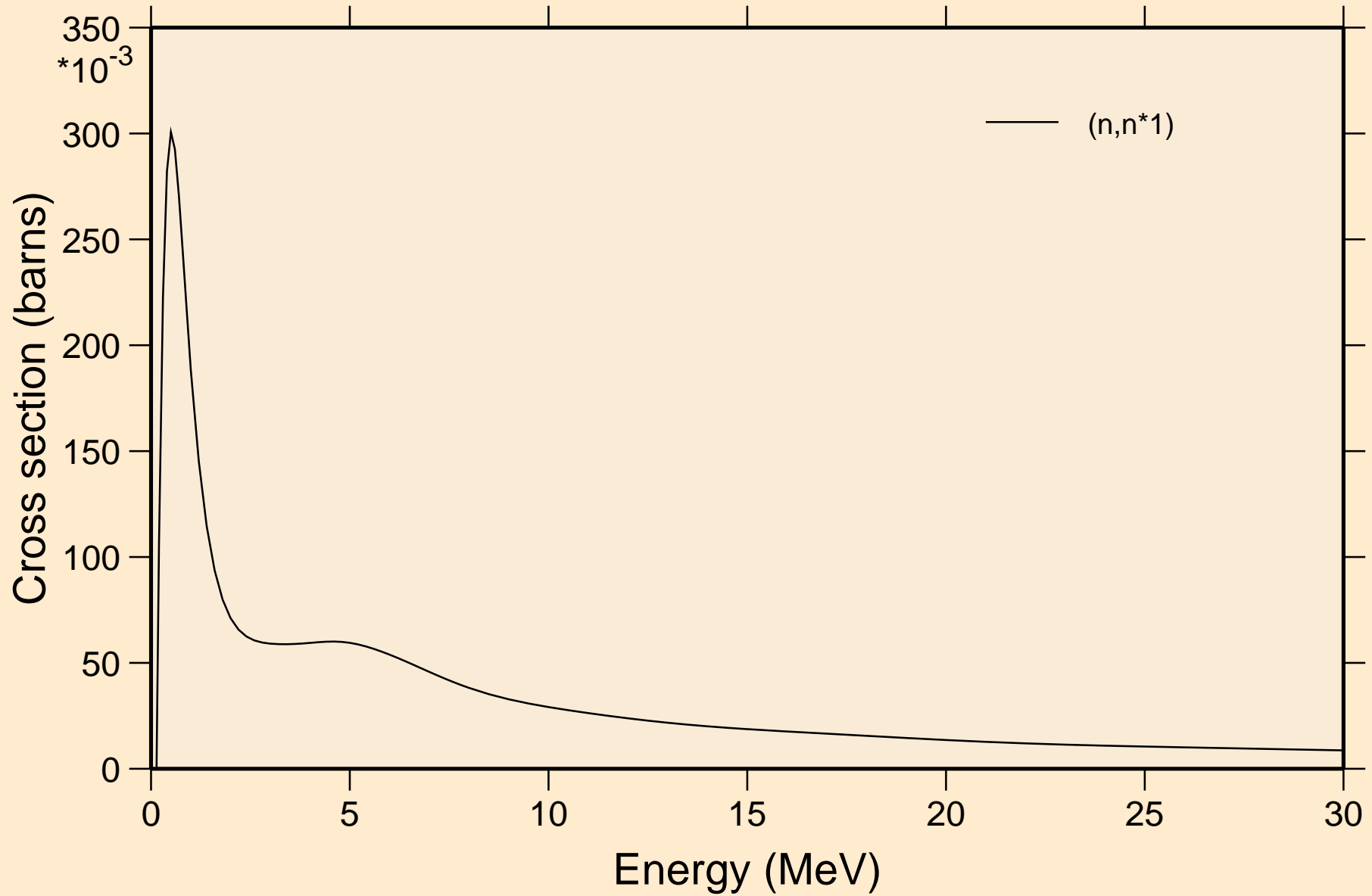
# HF189 NRG TENDL-2015, AKONING

## Non-threshold reactions



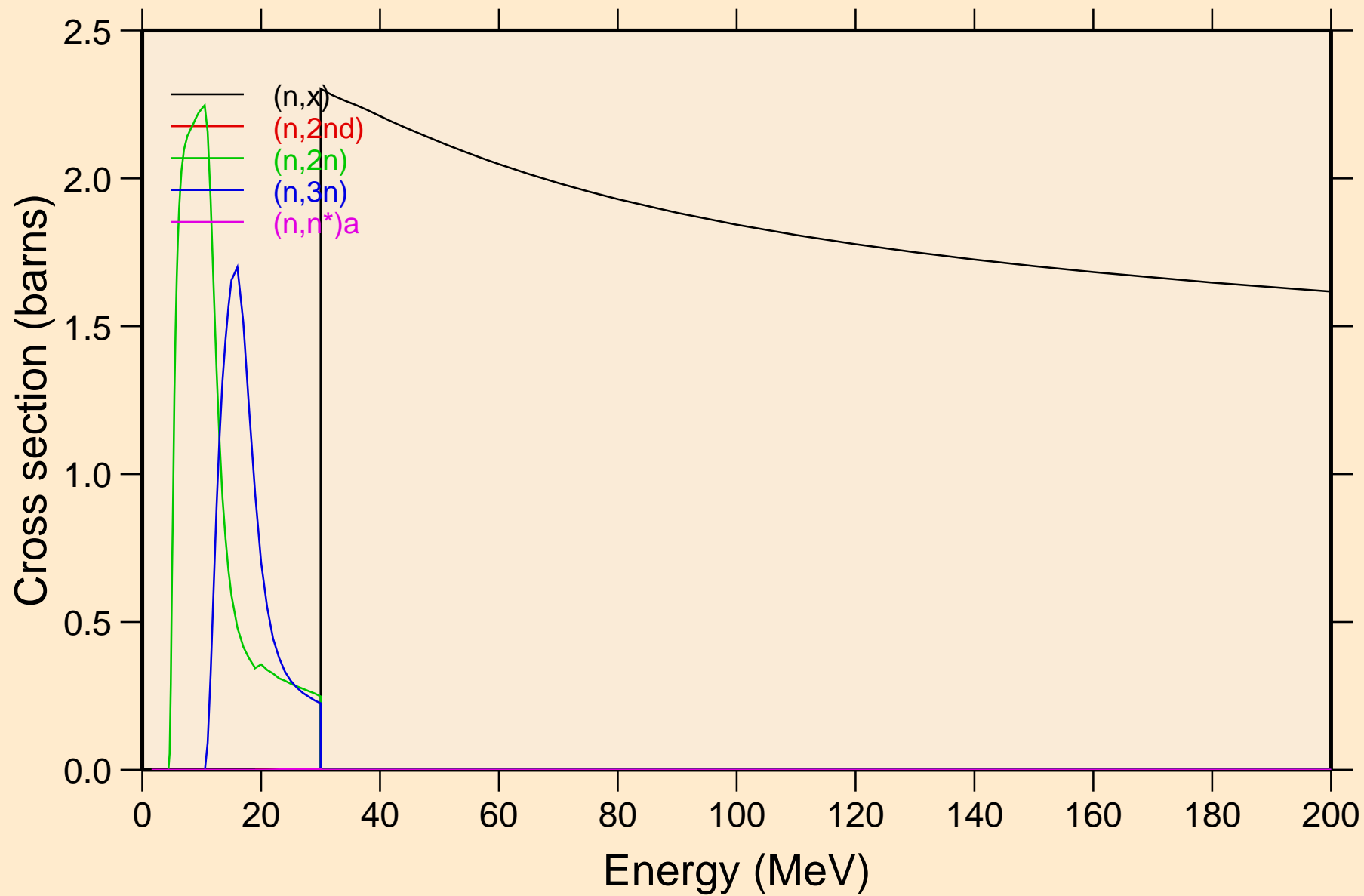
# HF189 NRG TENDL-2015, AKONING

## Inelastic levels



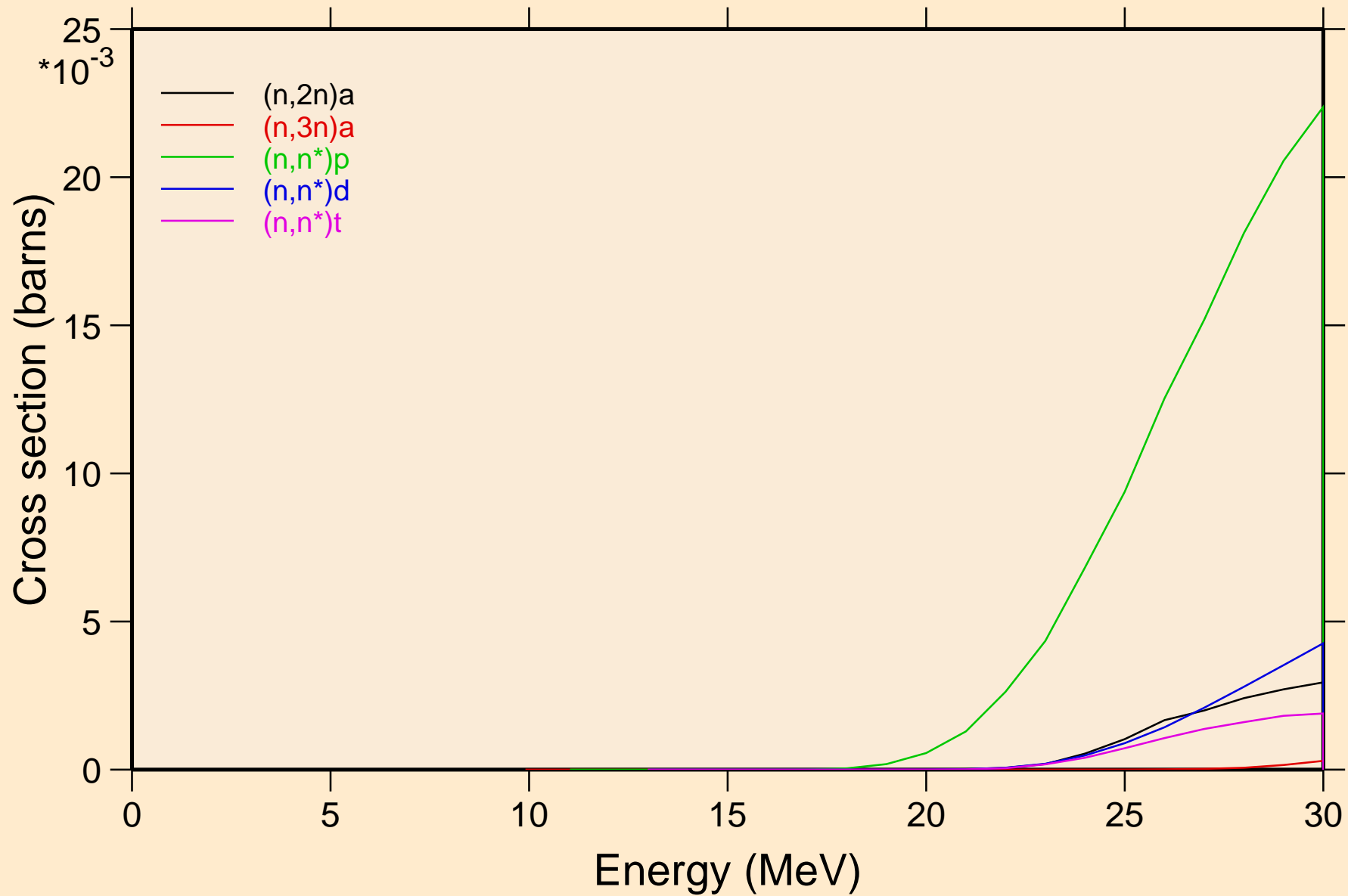
# HF189 NRG TENDL-2015, AKONING

## Threshold reactions



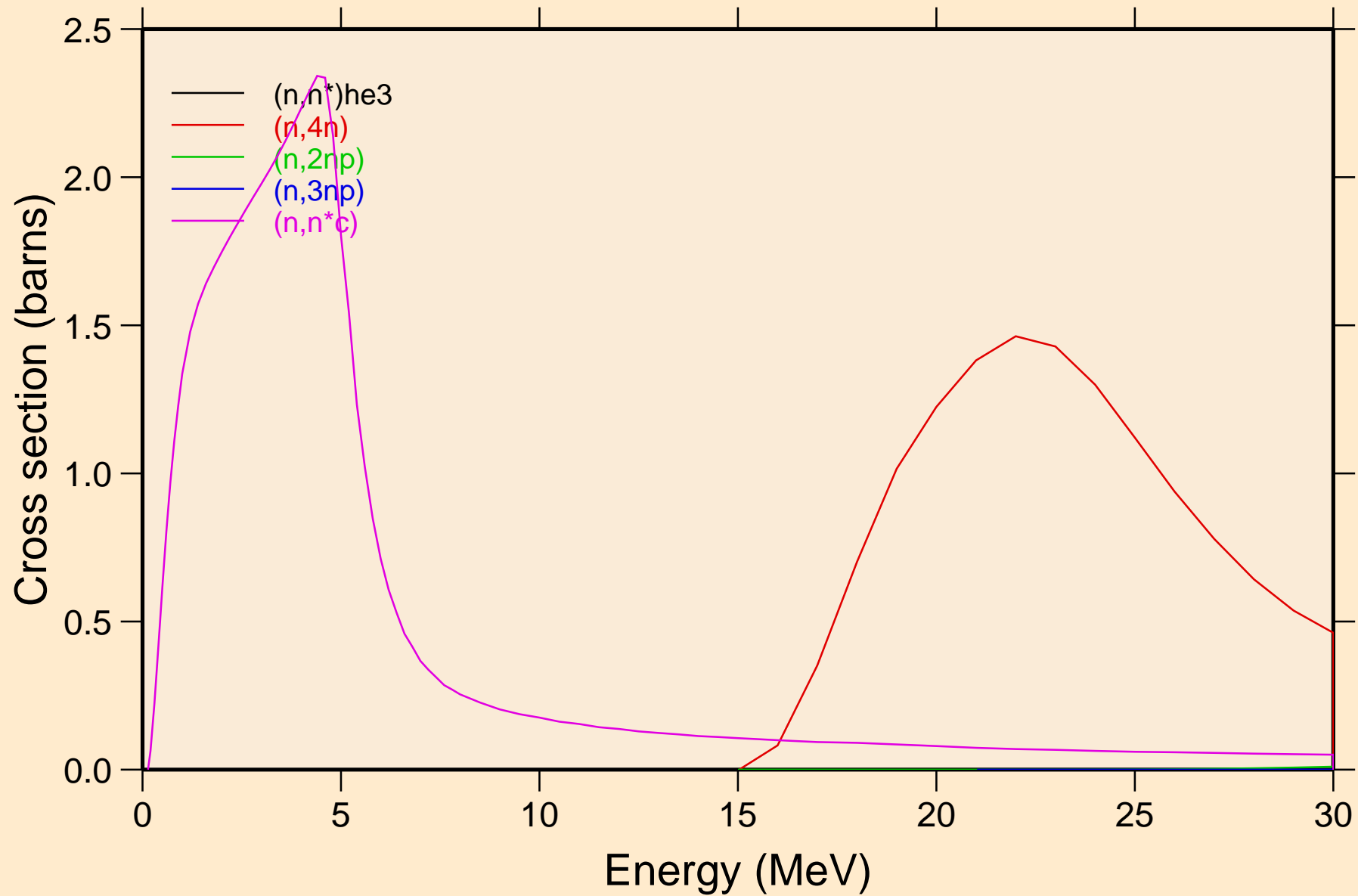
# HF189 NRG TENDL-2015, AKONING

## Threshold reactions



# HF189 NRG TENDL-2015, AKONING

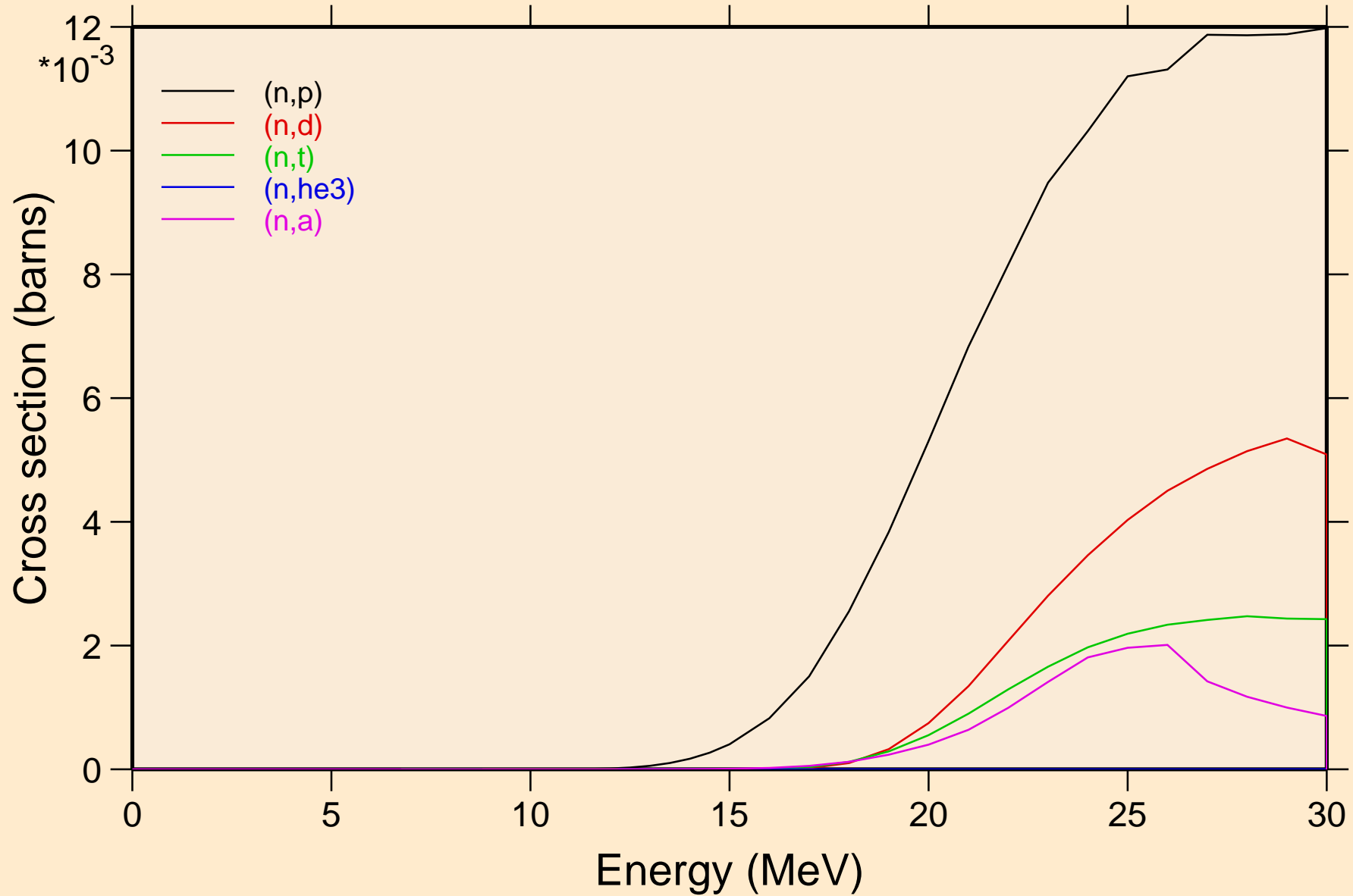
## Threshold reactions





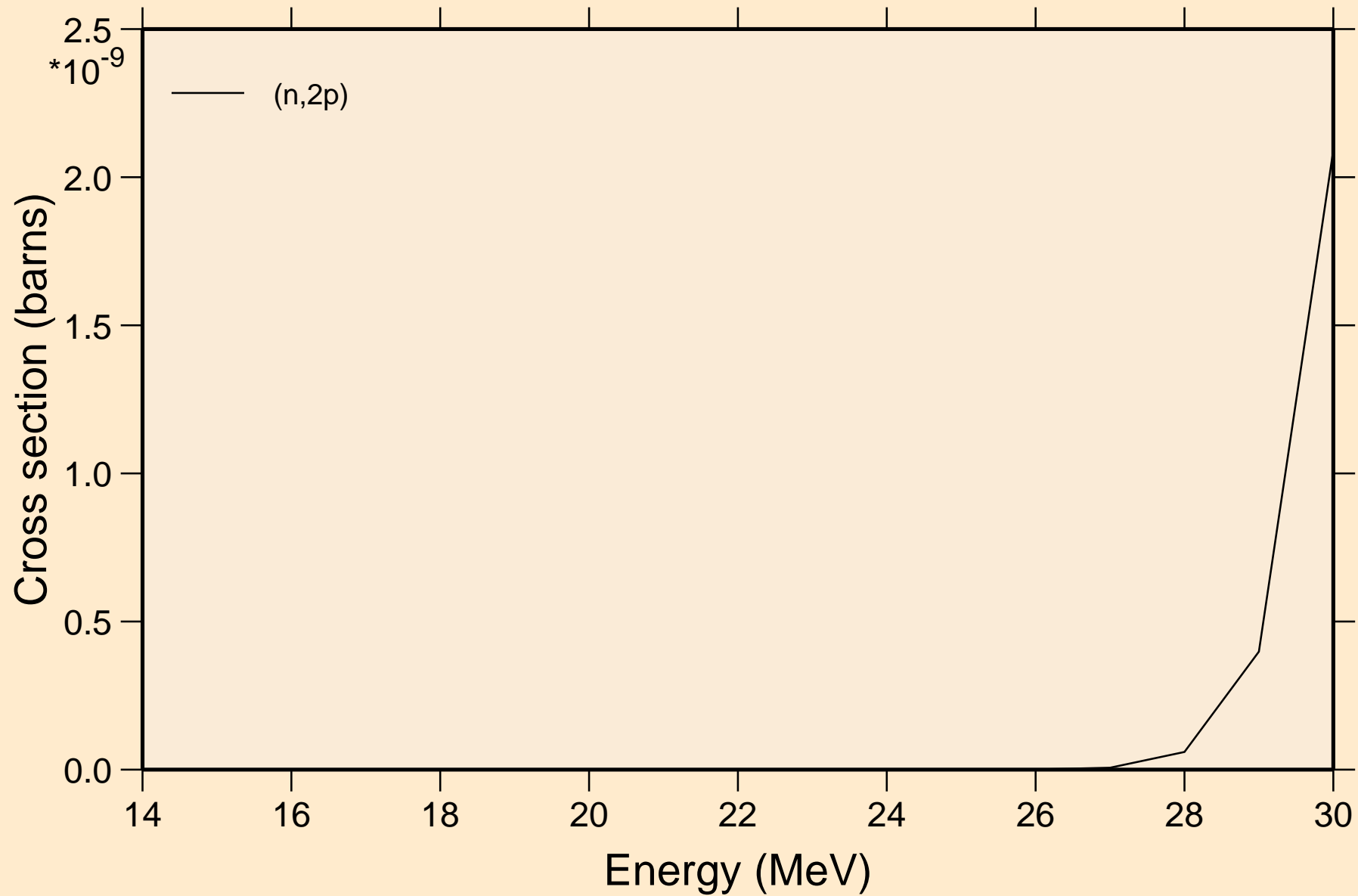
# HF189 NRG TENDL-2015, AKONING

## Threshold reactions

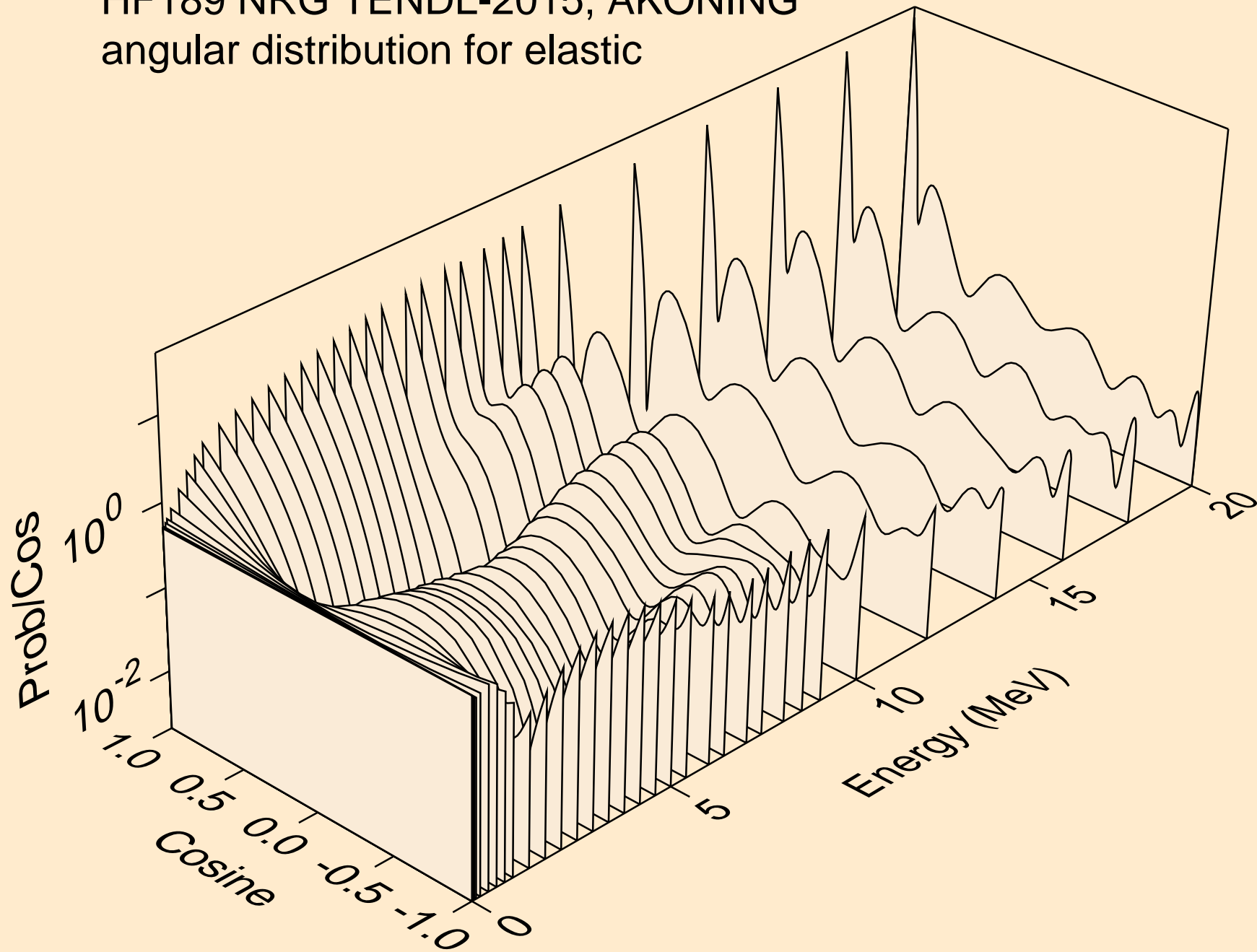


# HF189 NRG TENDL-2015, AKONING

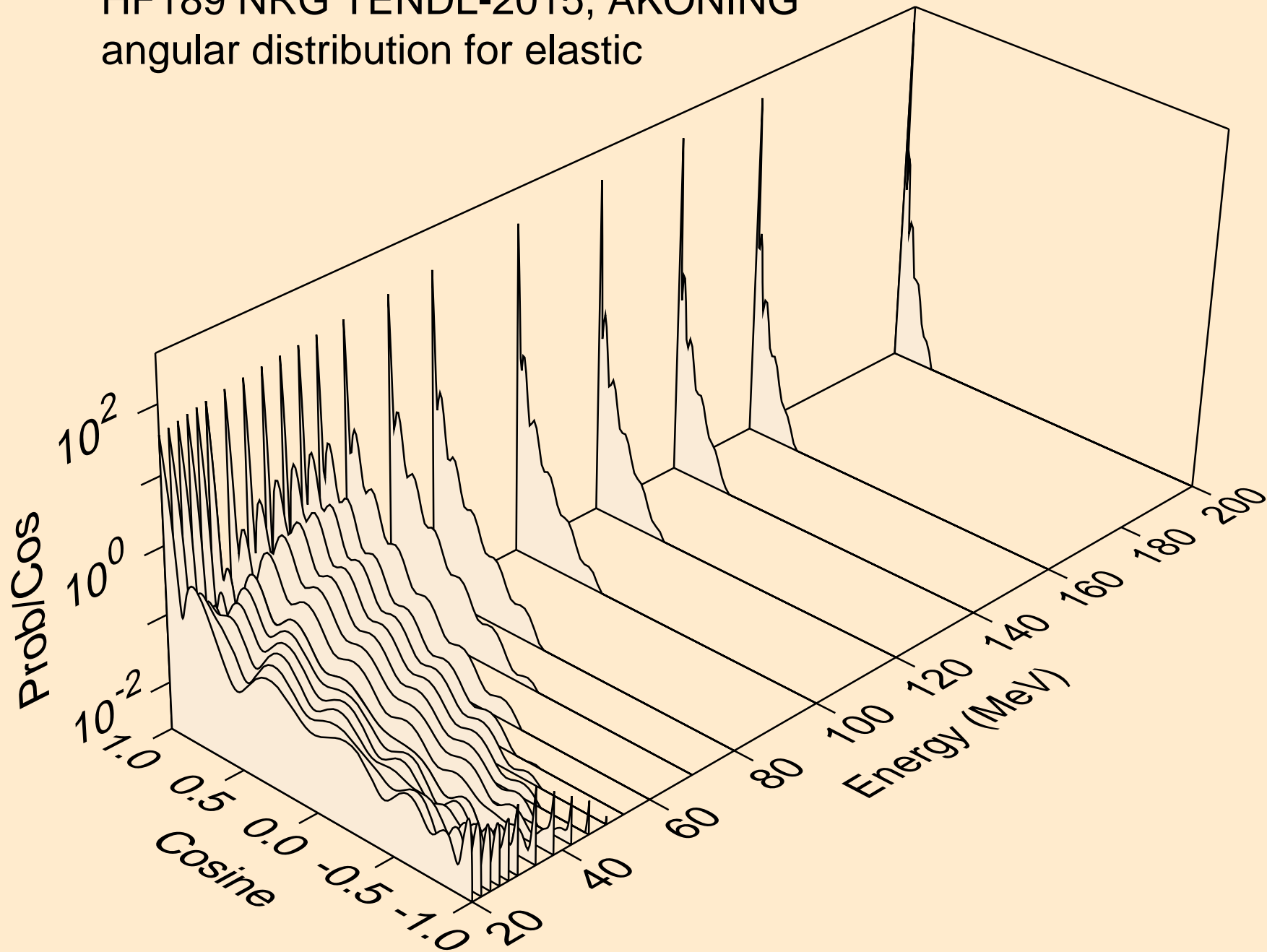
## Threshold reactions



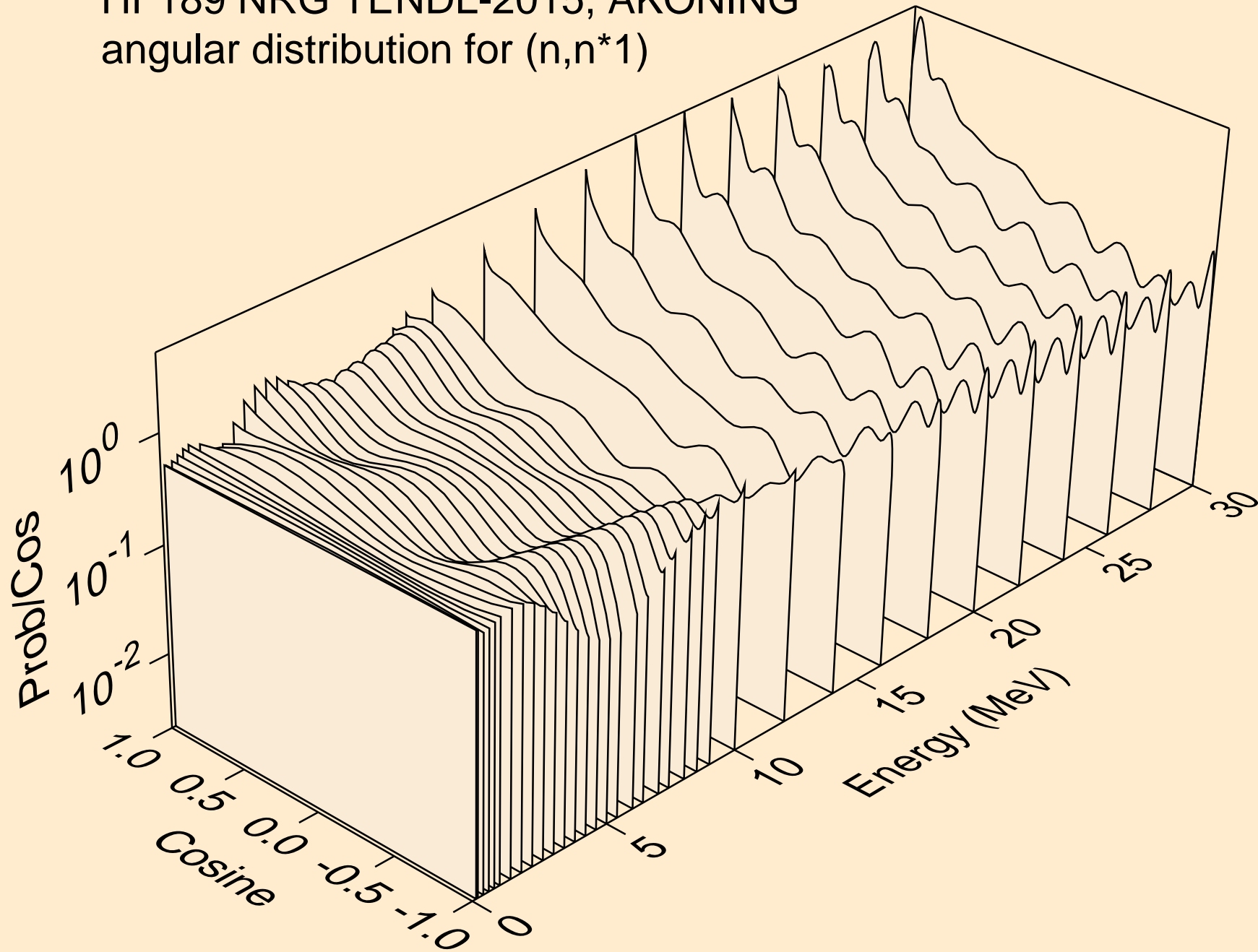
HF189 NRG TENDL-2015, AKONING  
angular distribution for elastic



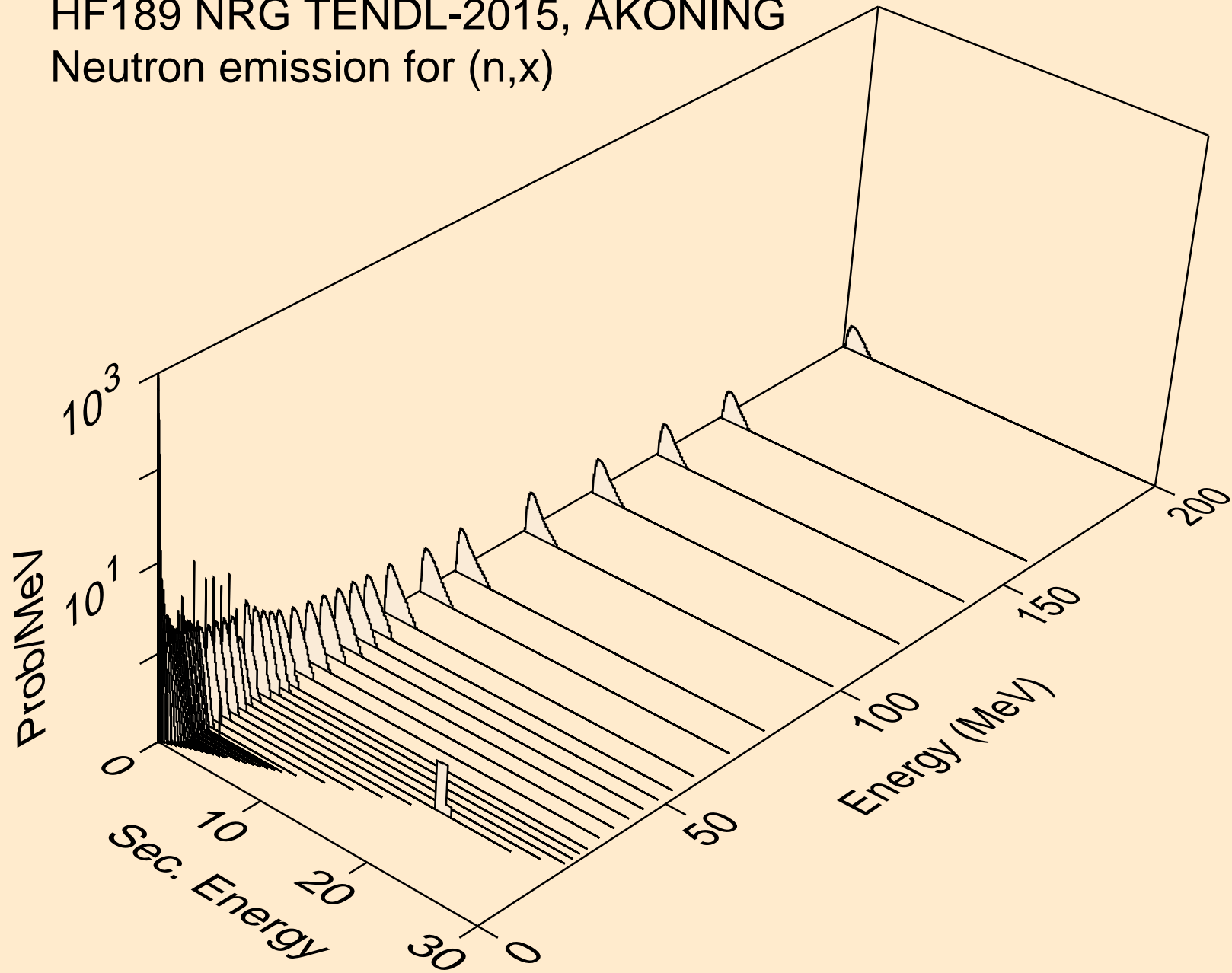
HF189 NRG TENDL-2015, AKONING  
angular distribution for elastic



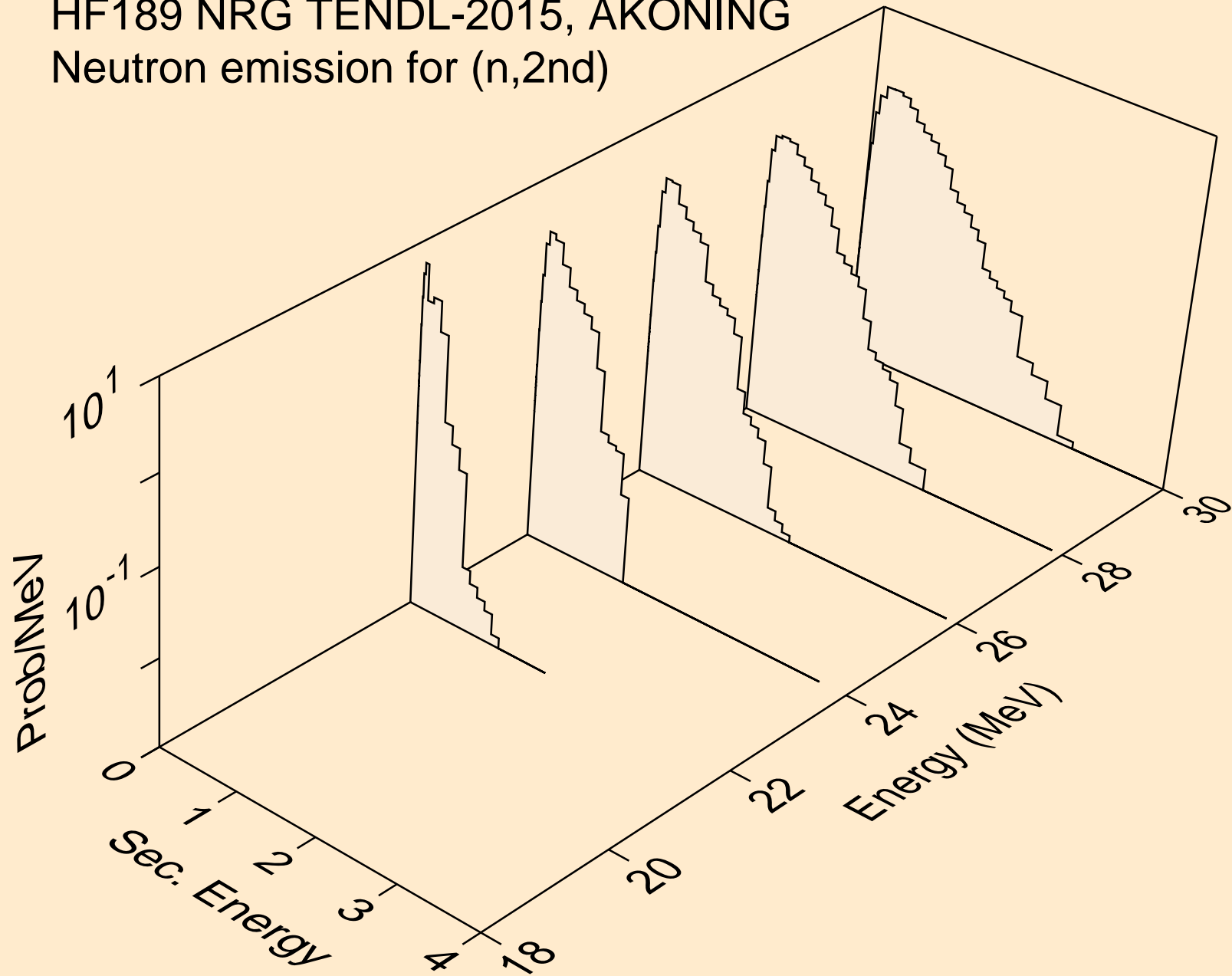
HF189 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



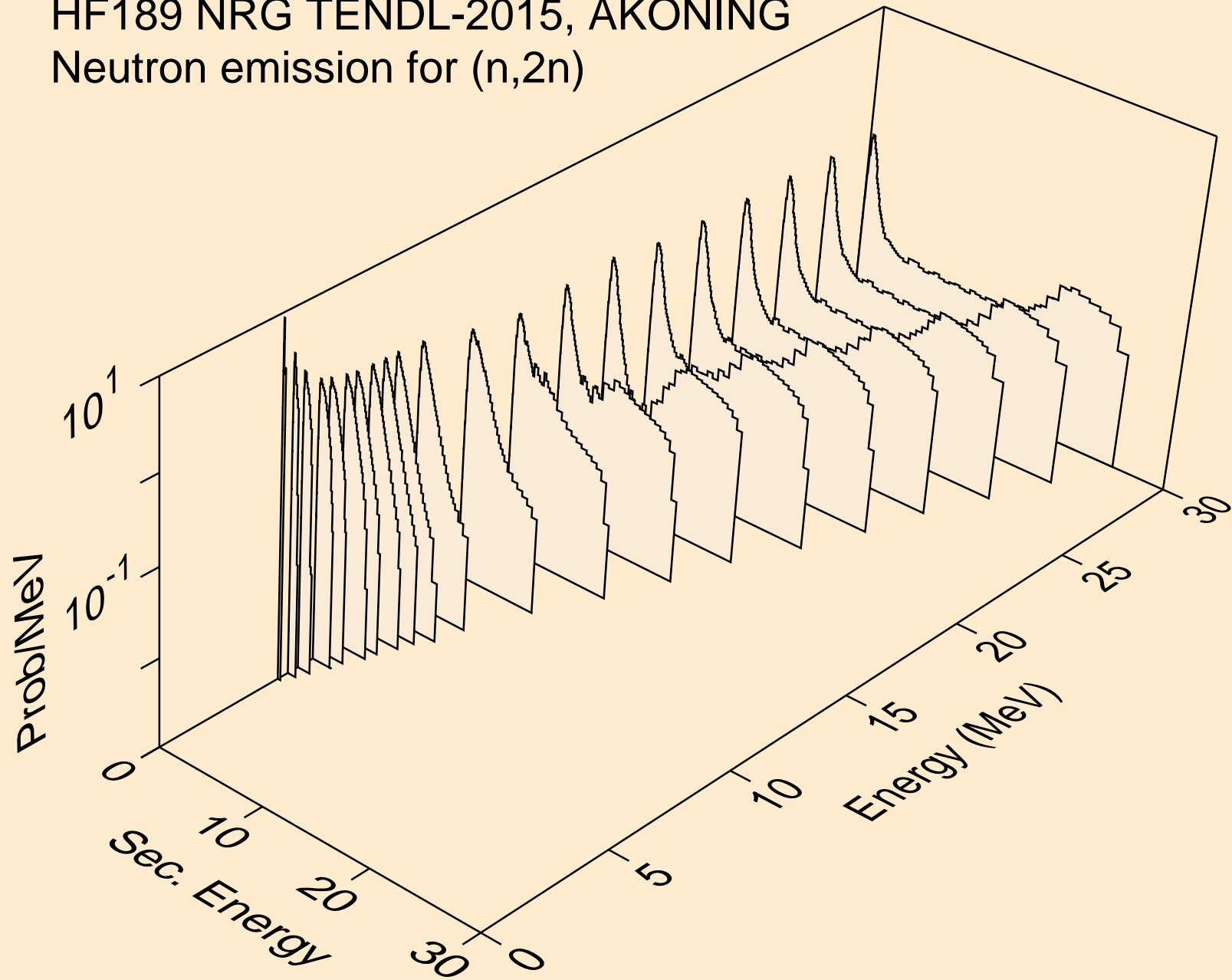
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

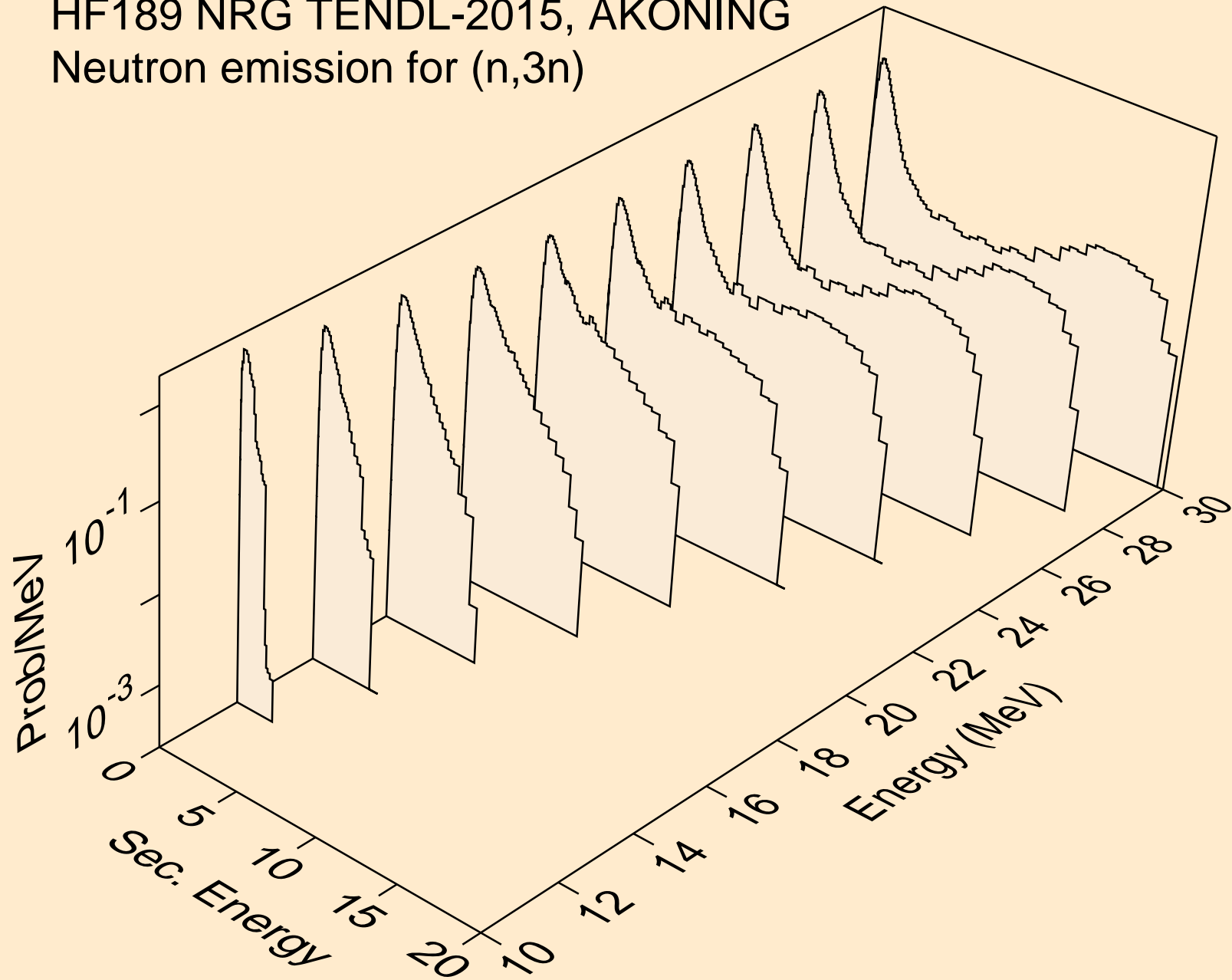


HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

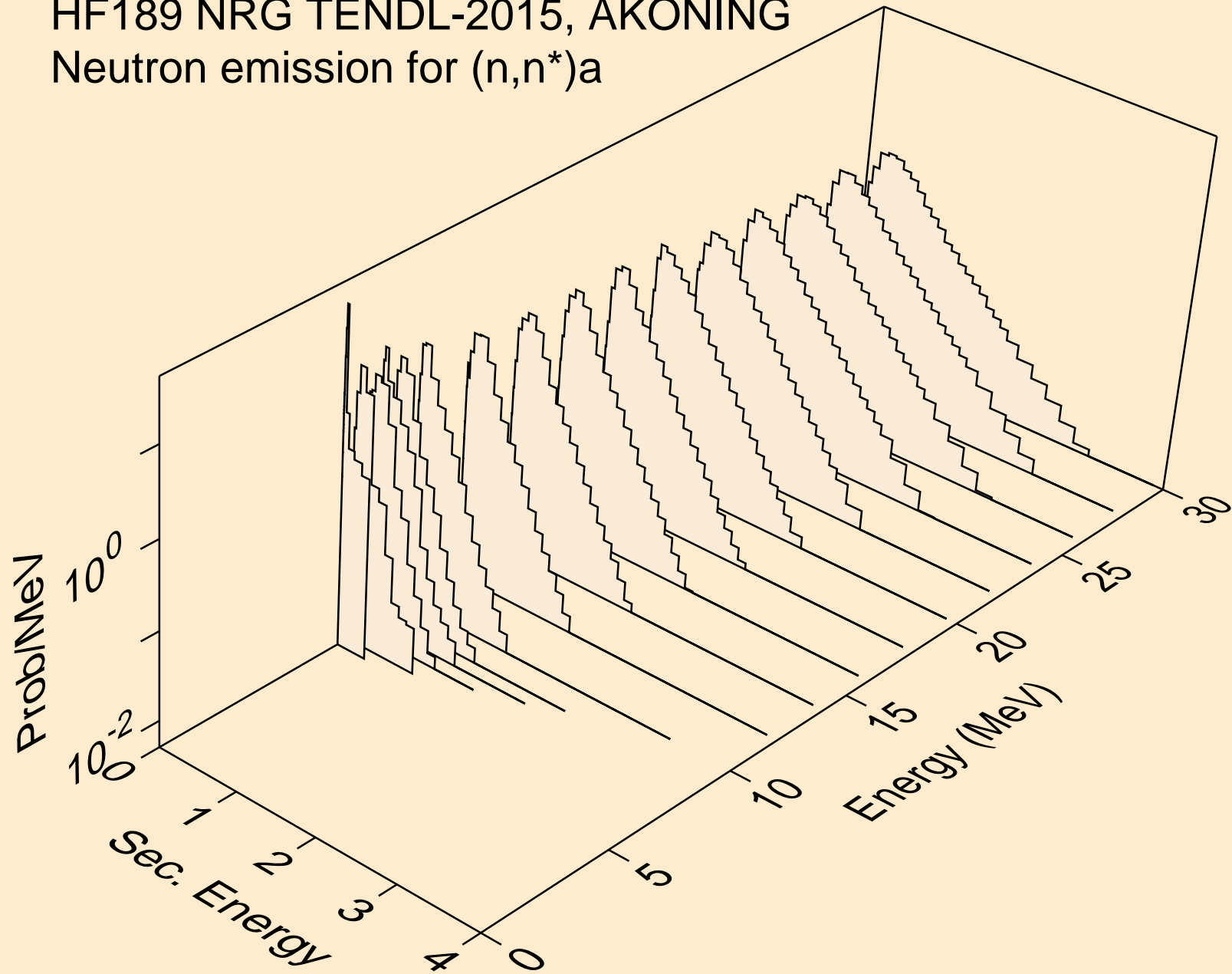




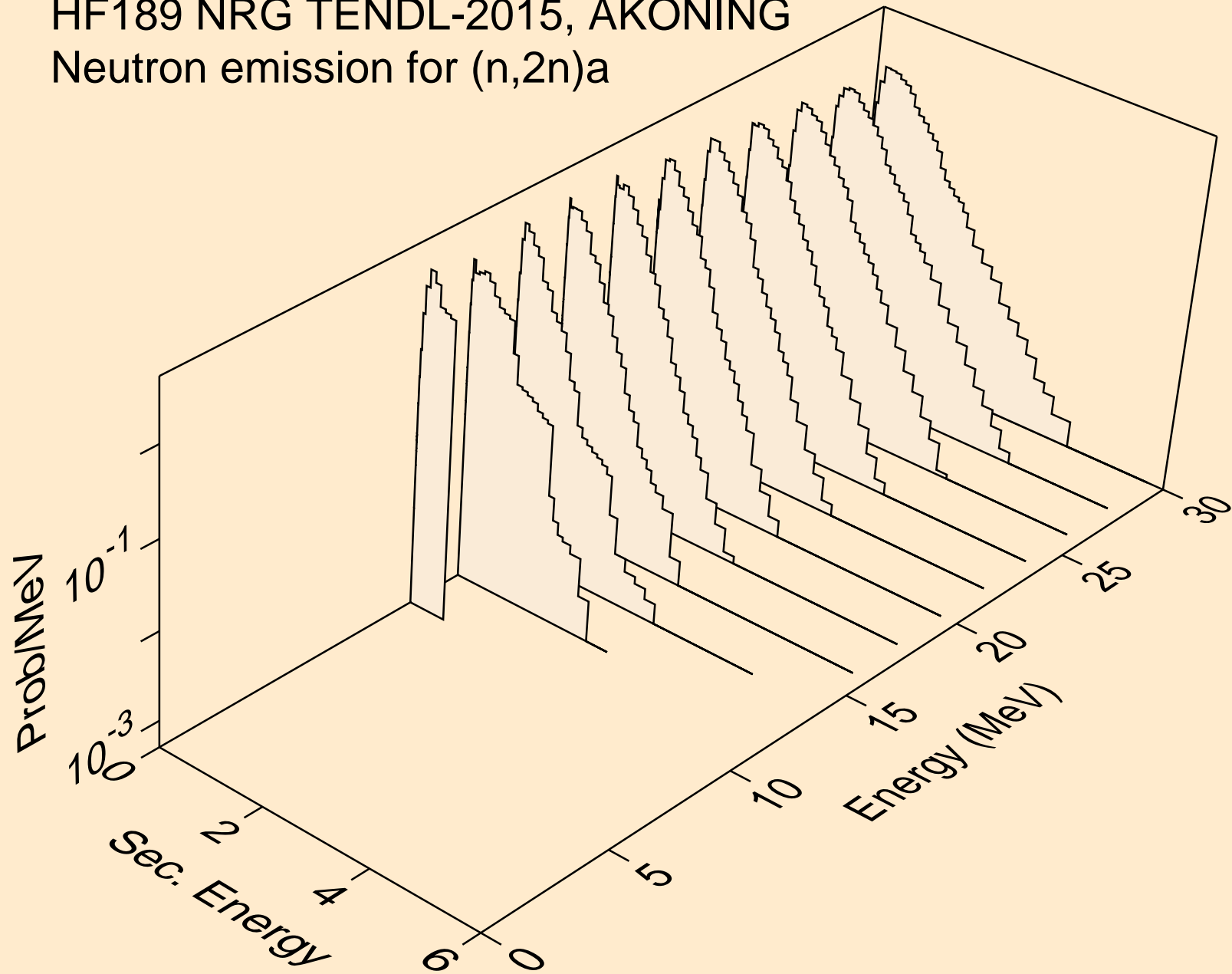
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



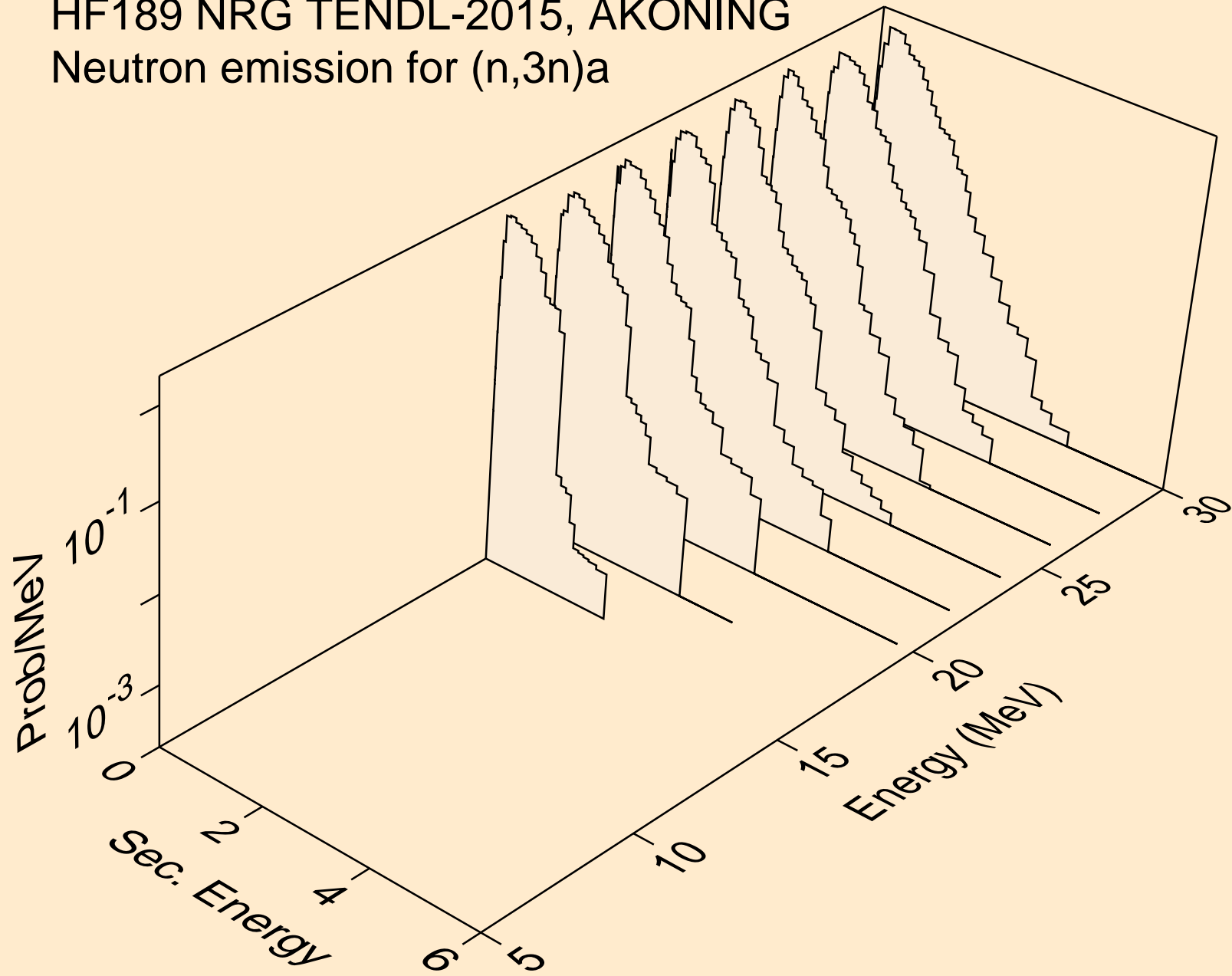
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



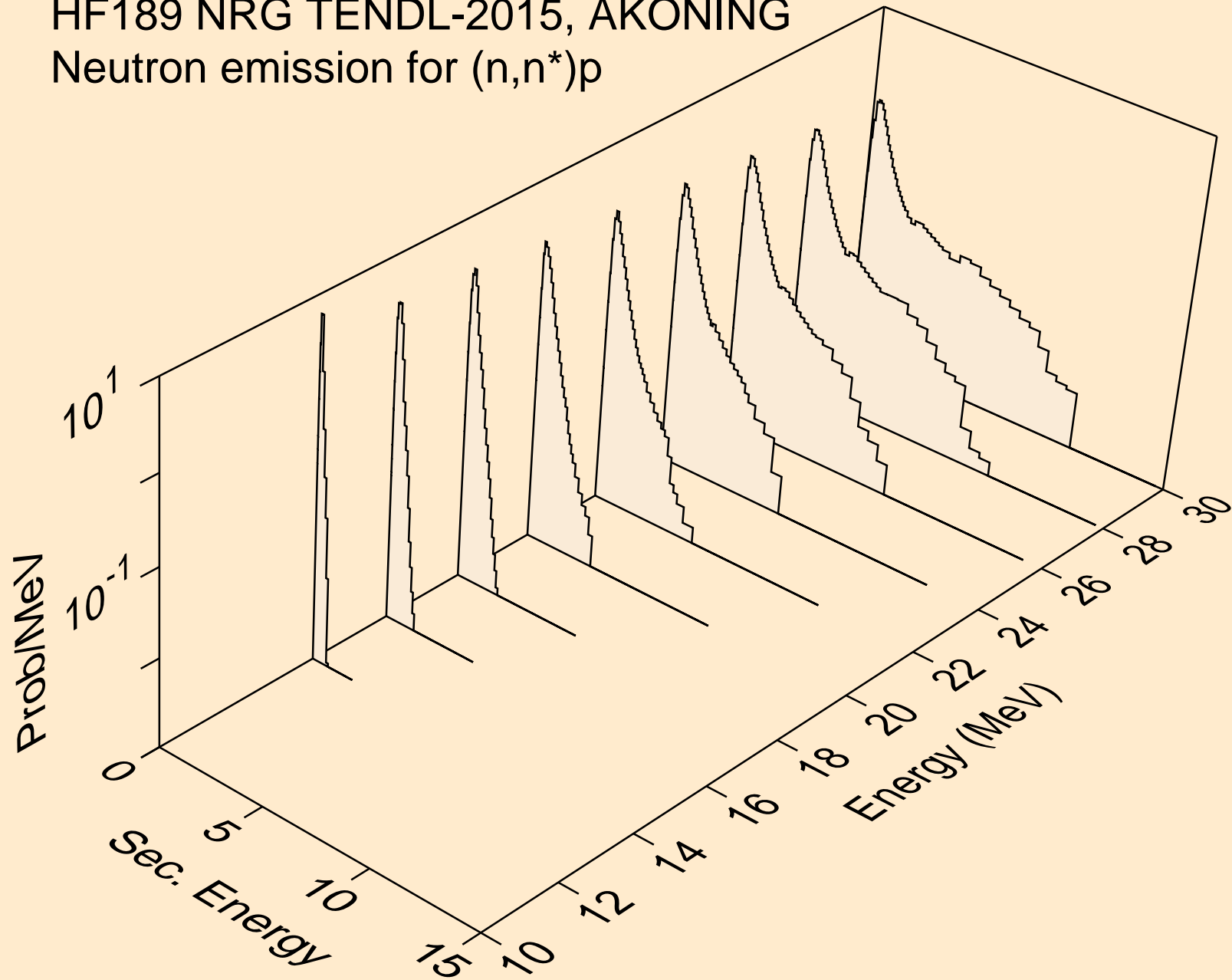
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



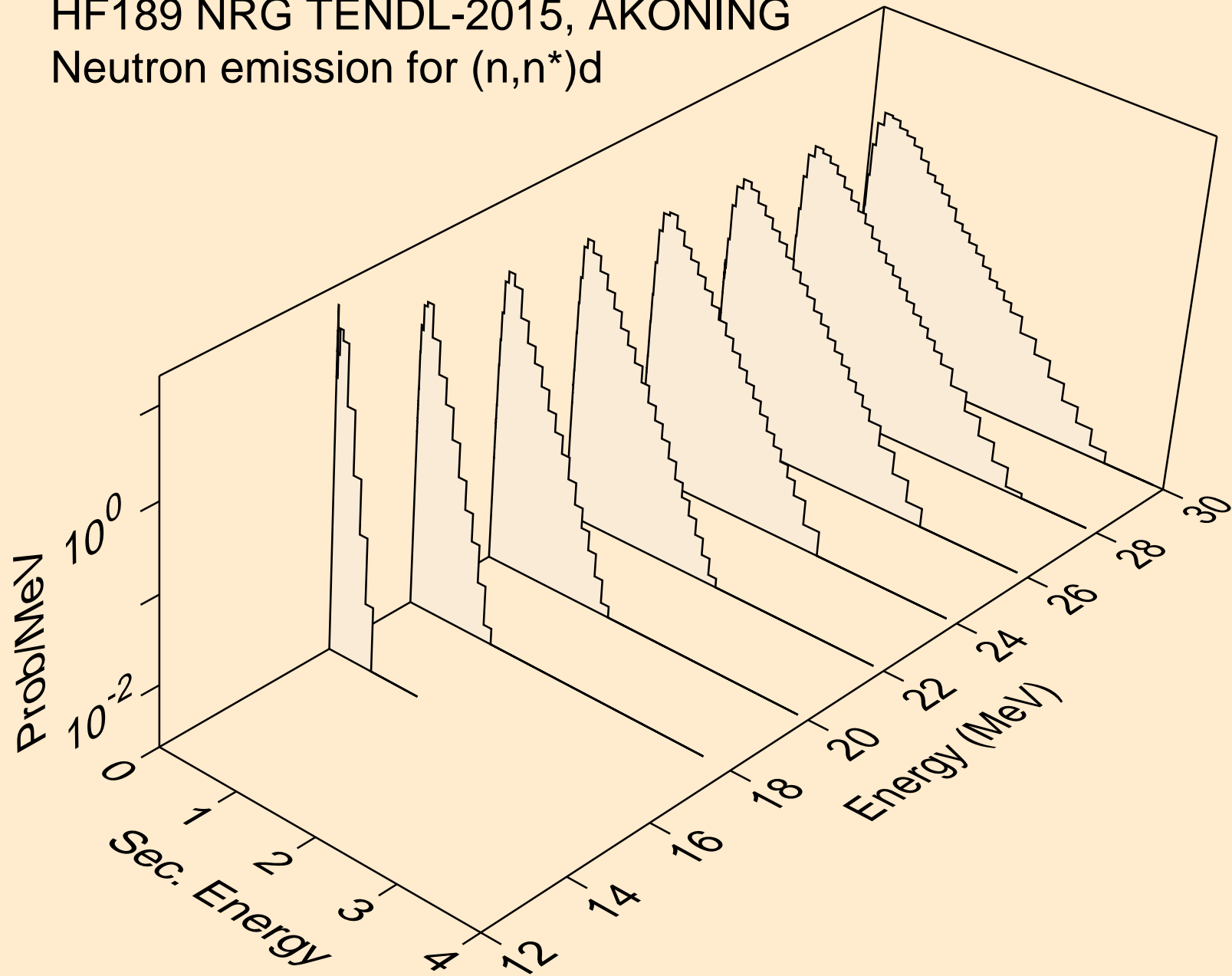
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



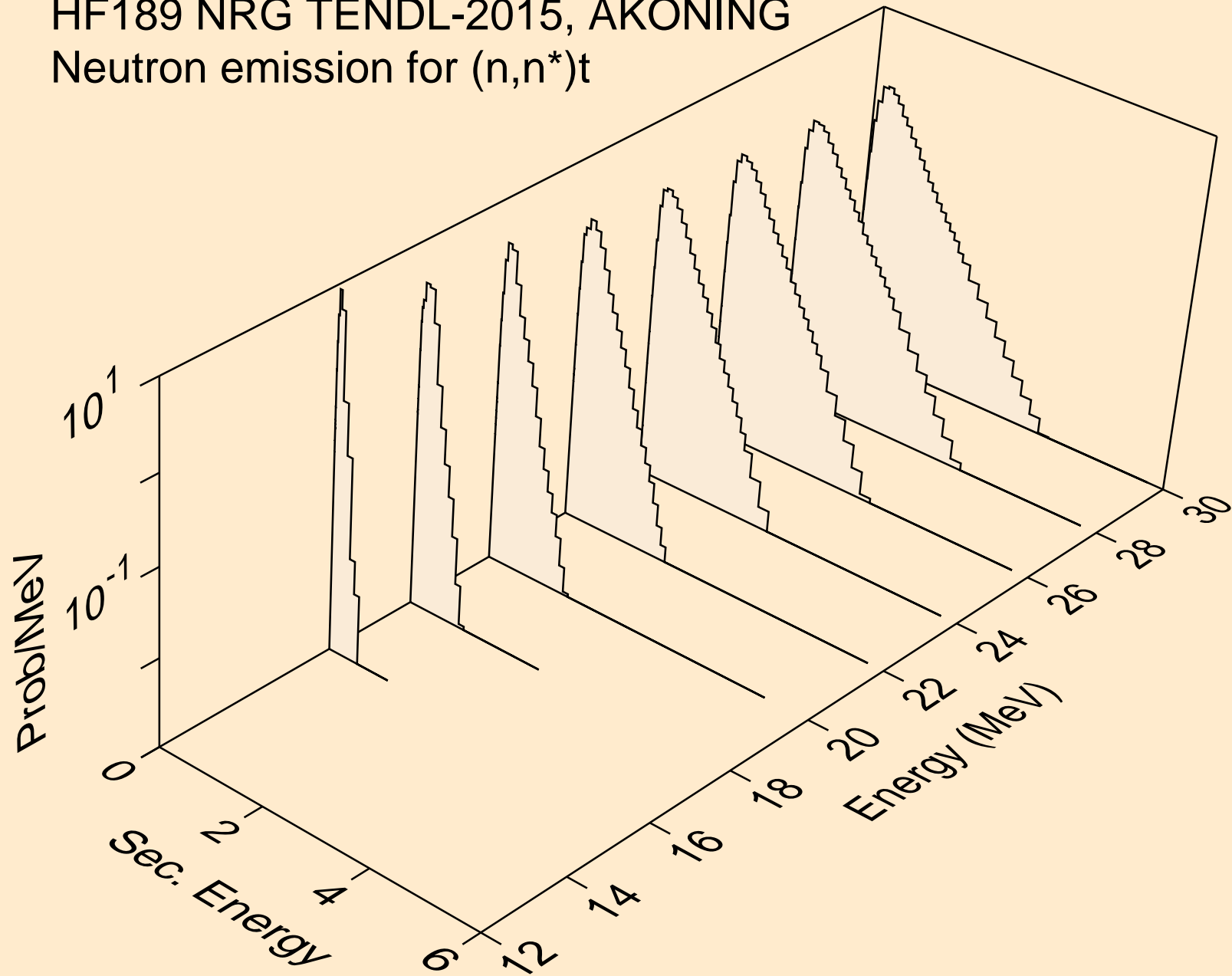
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



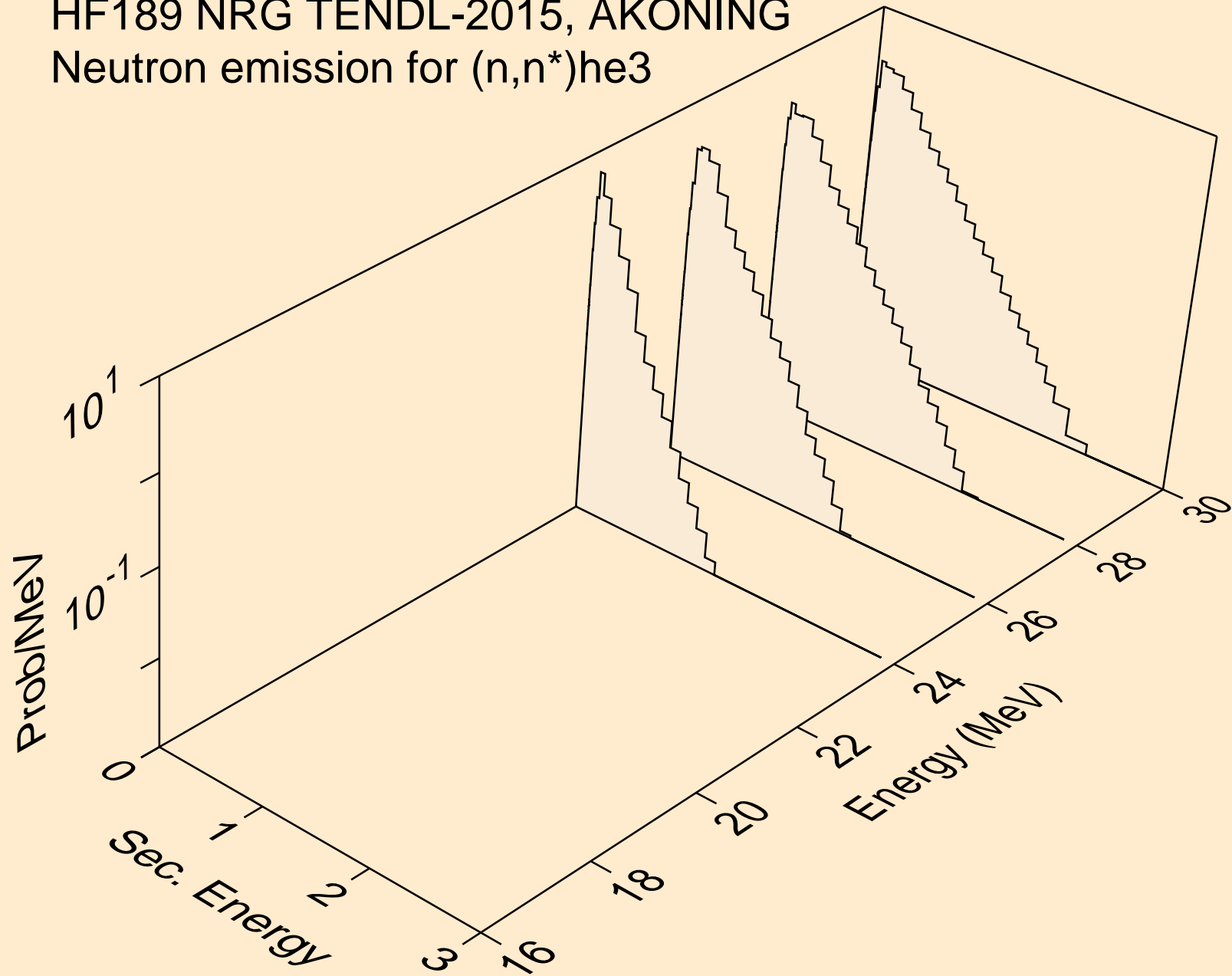
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

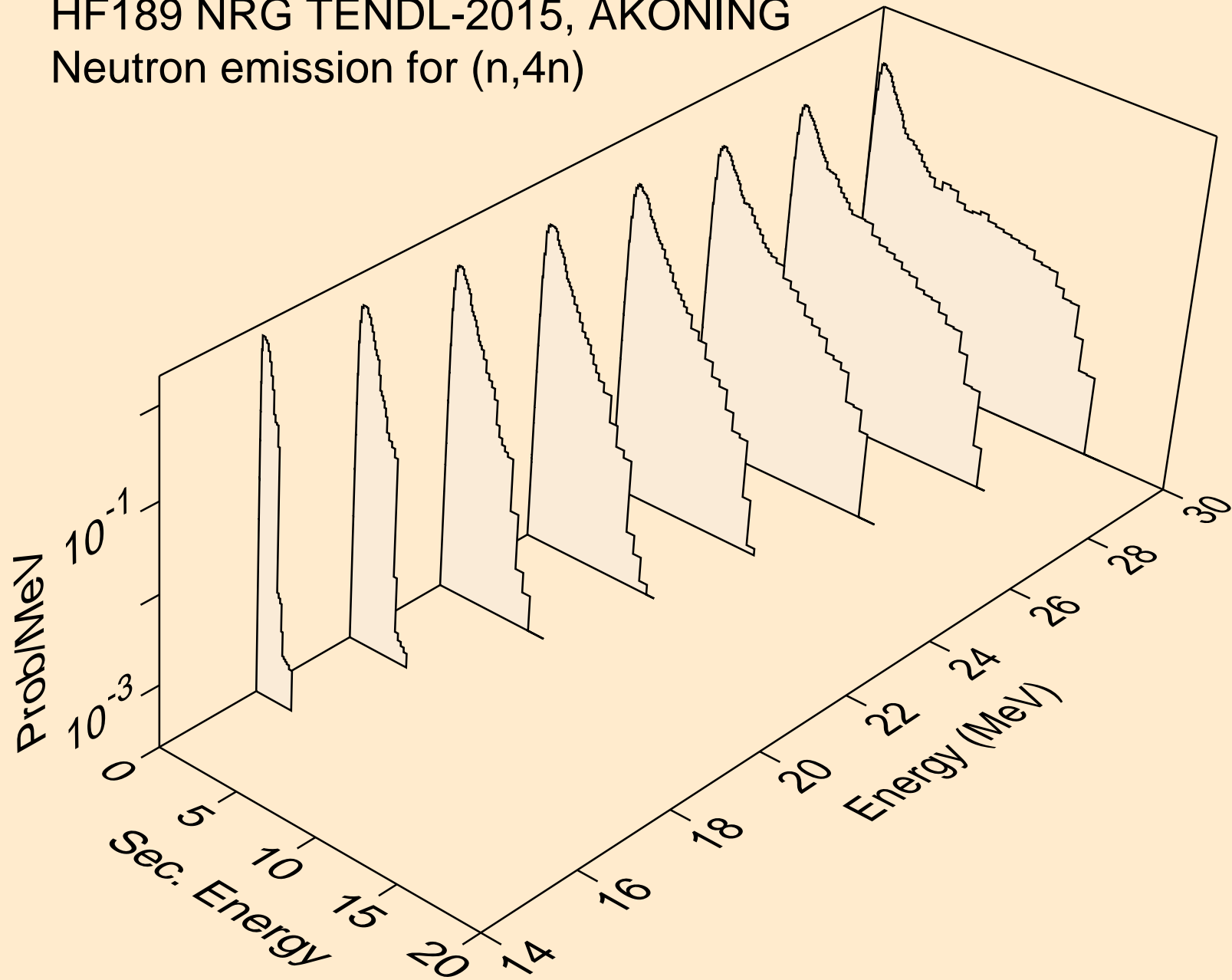


HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

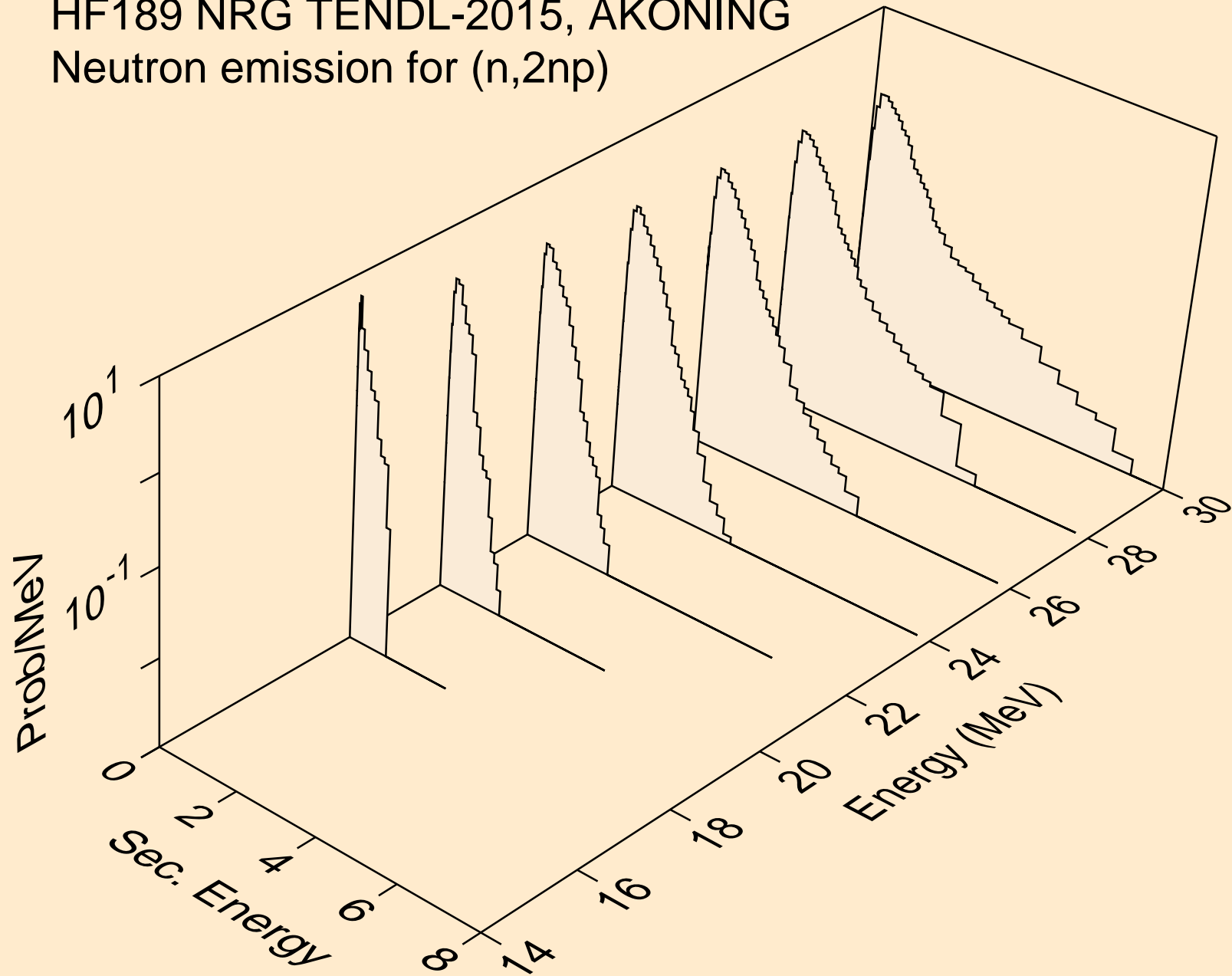




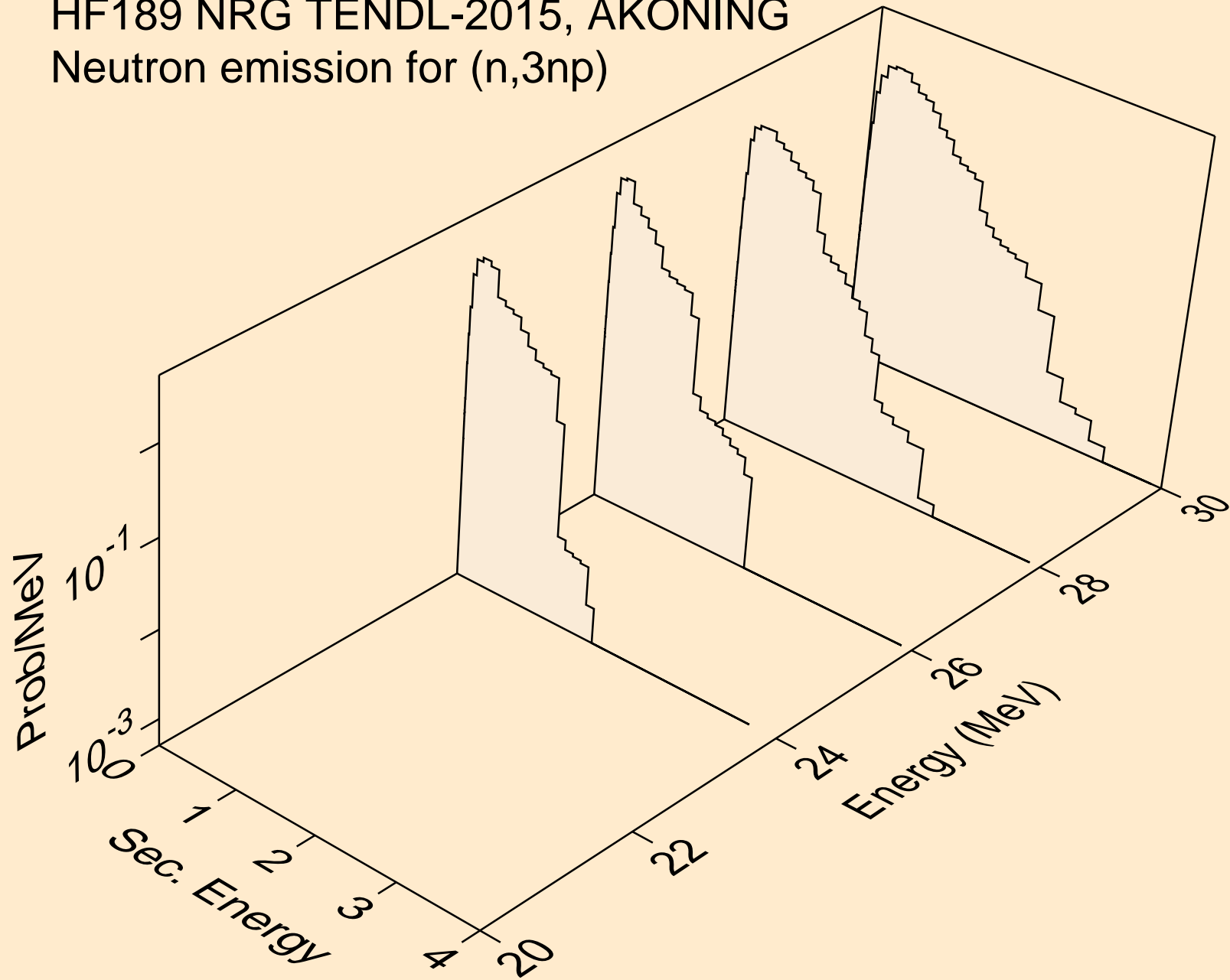
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



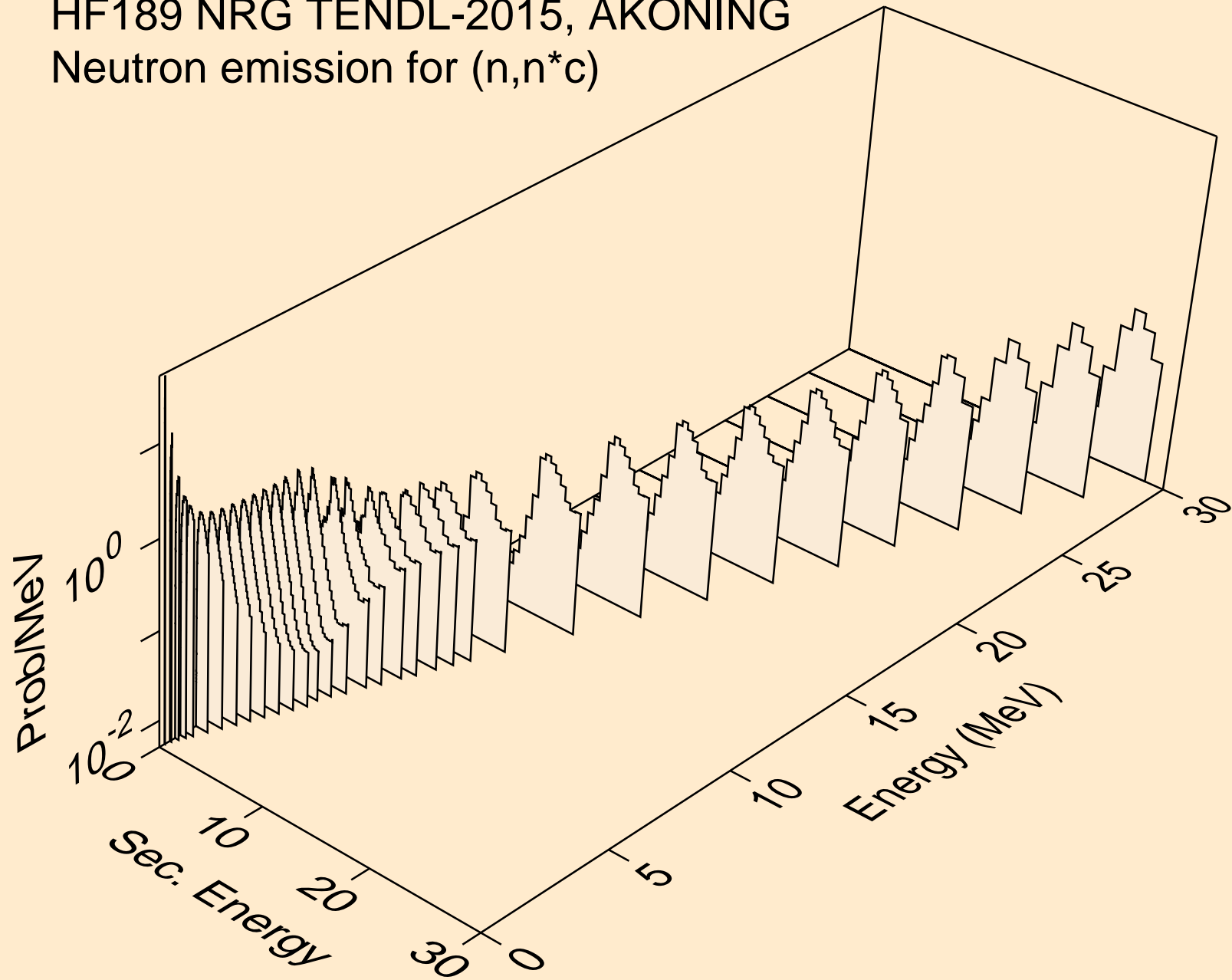
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



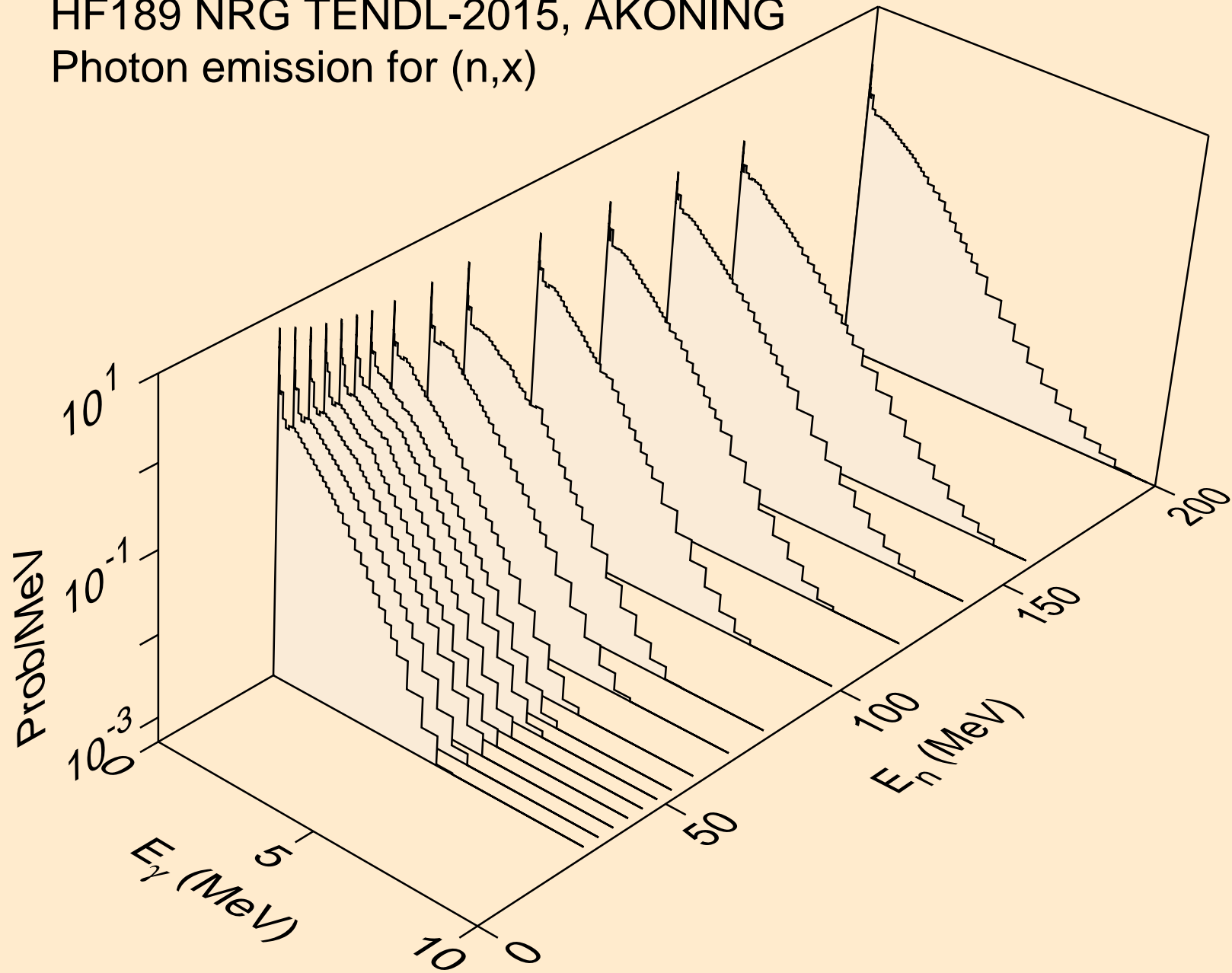
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



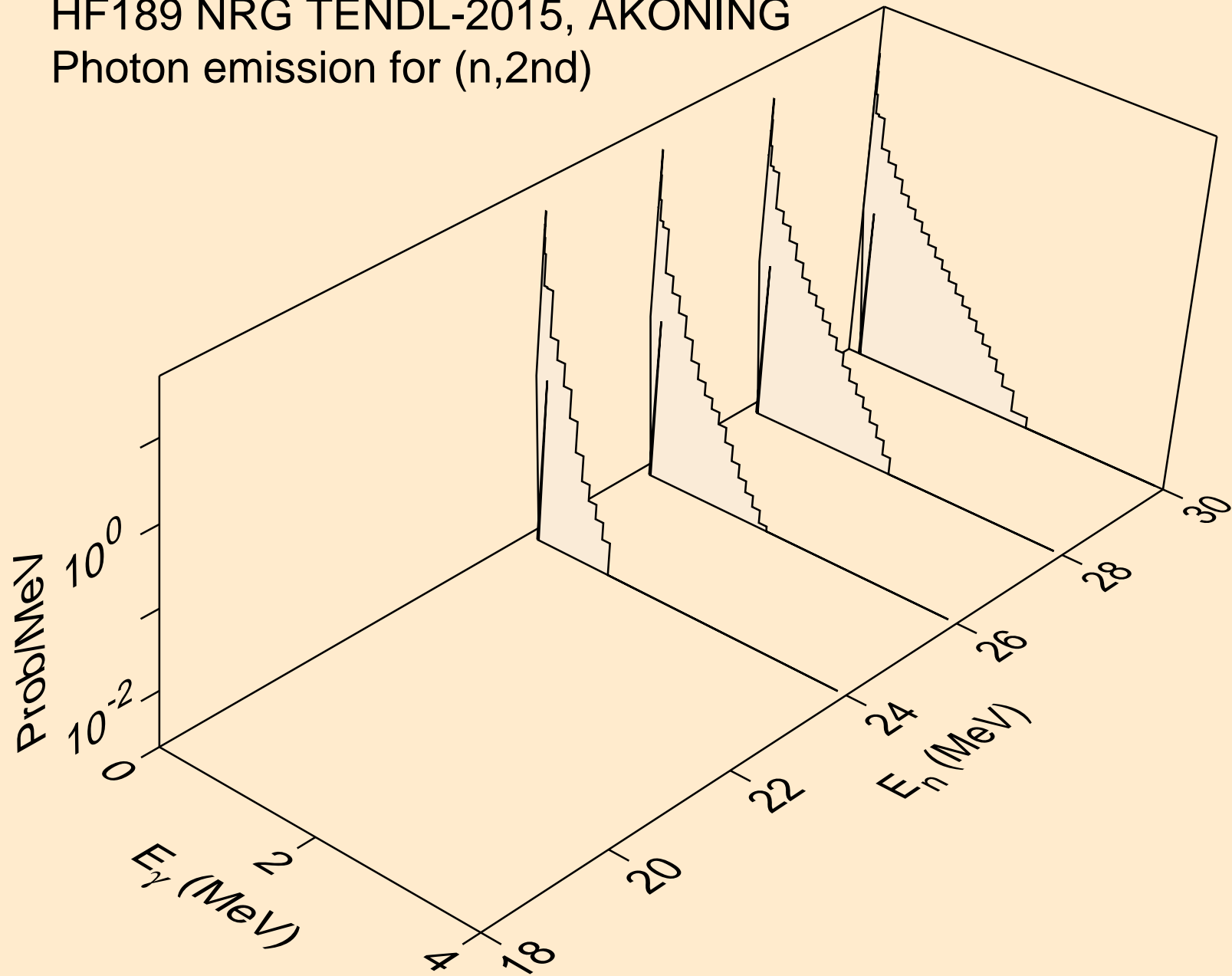
HF189 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



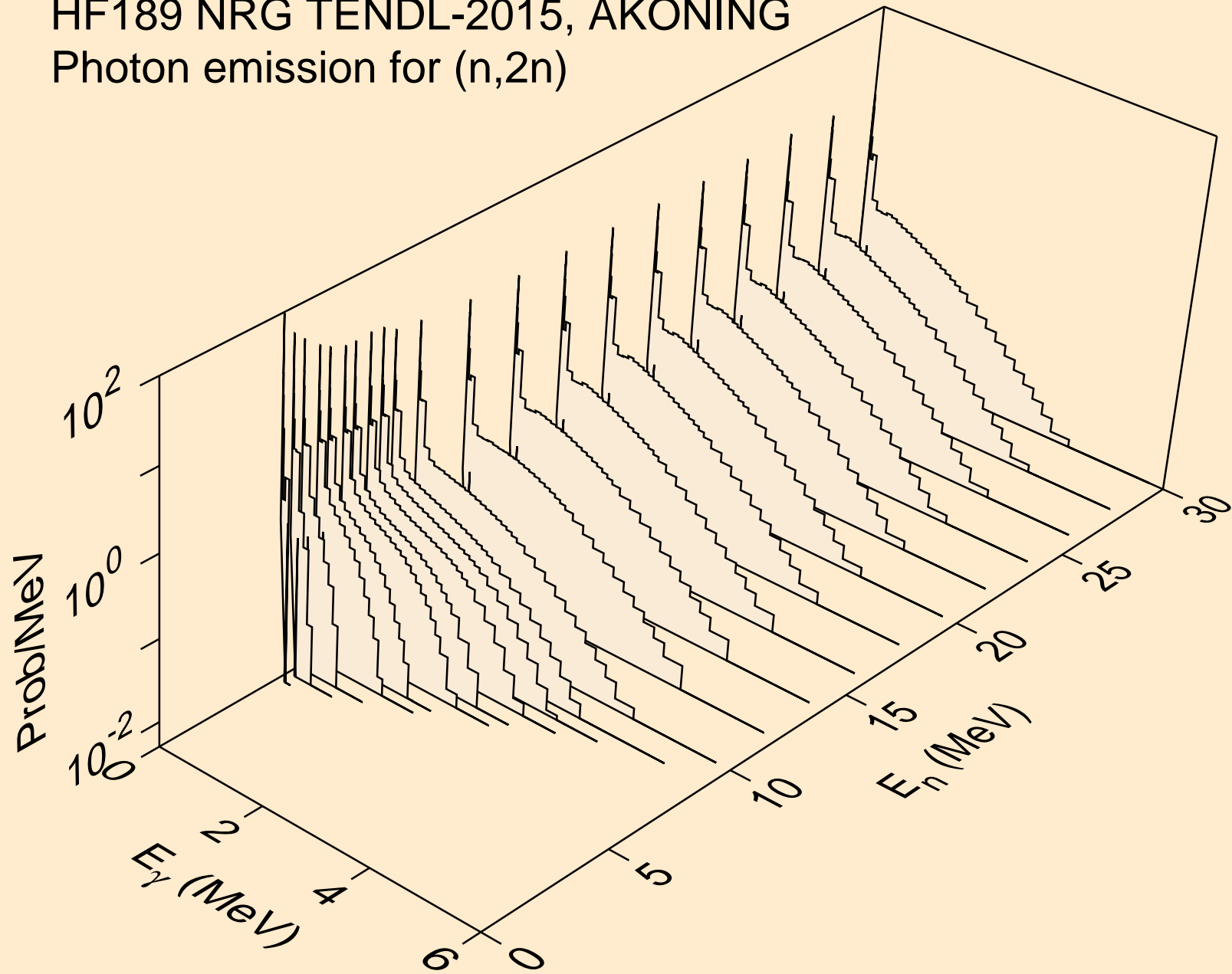
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



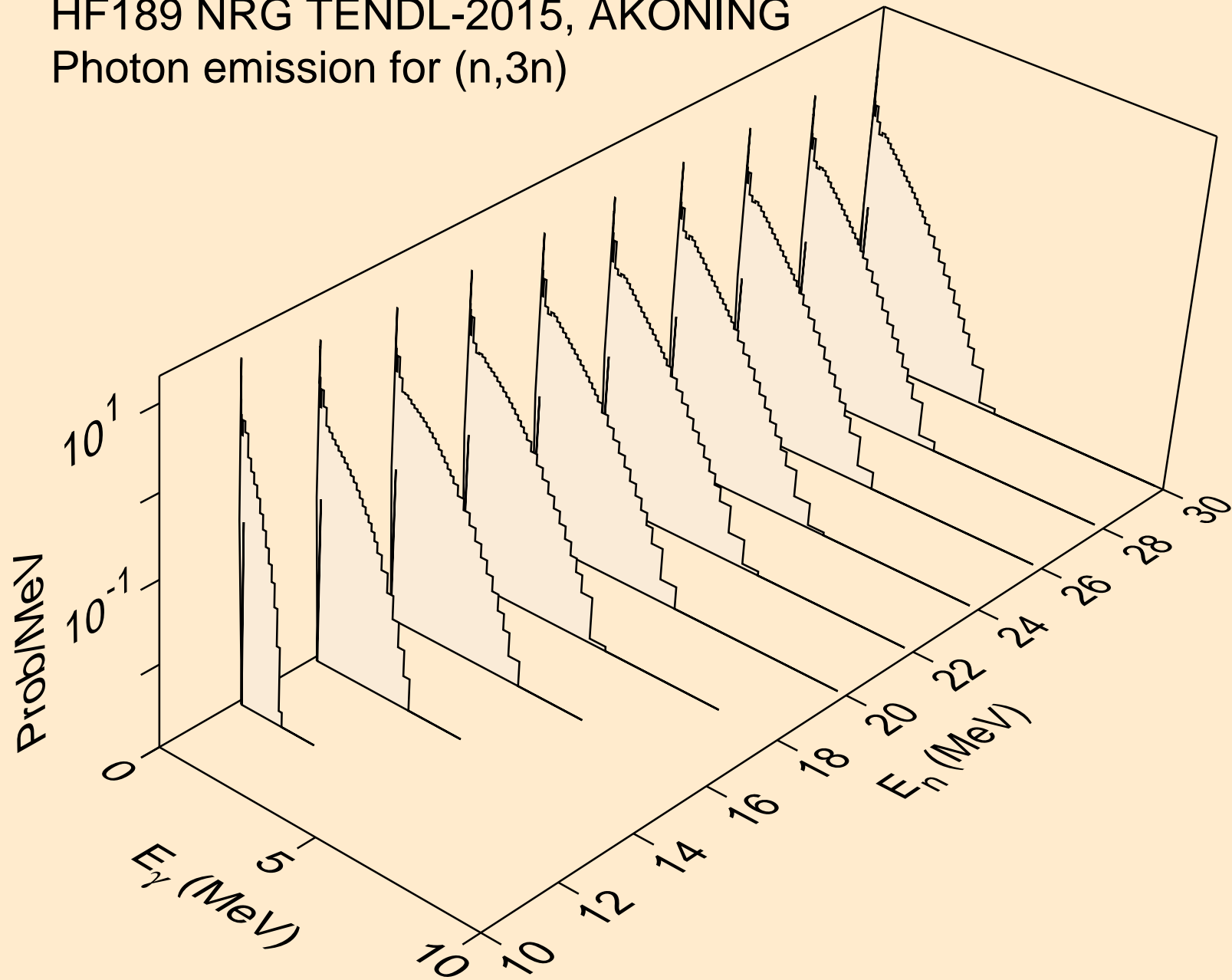
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

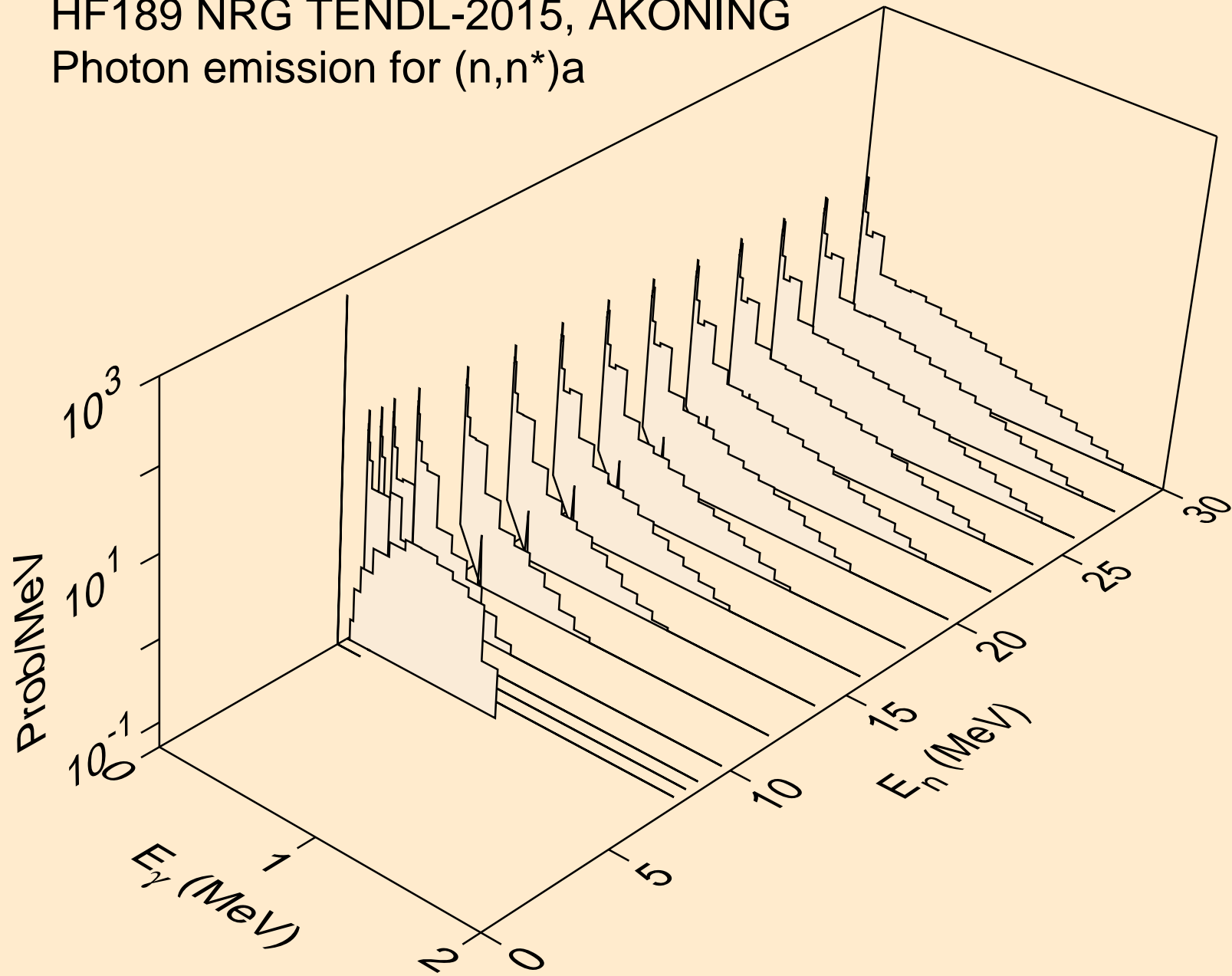


HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

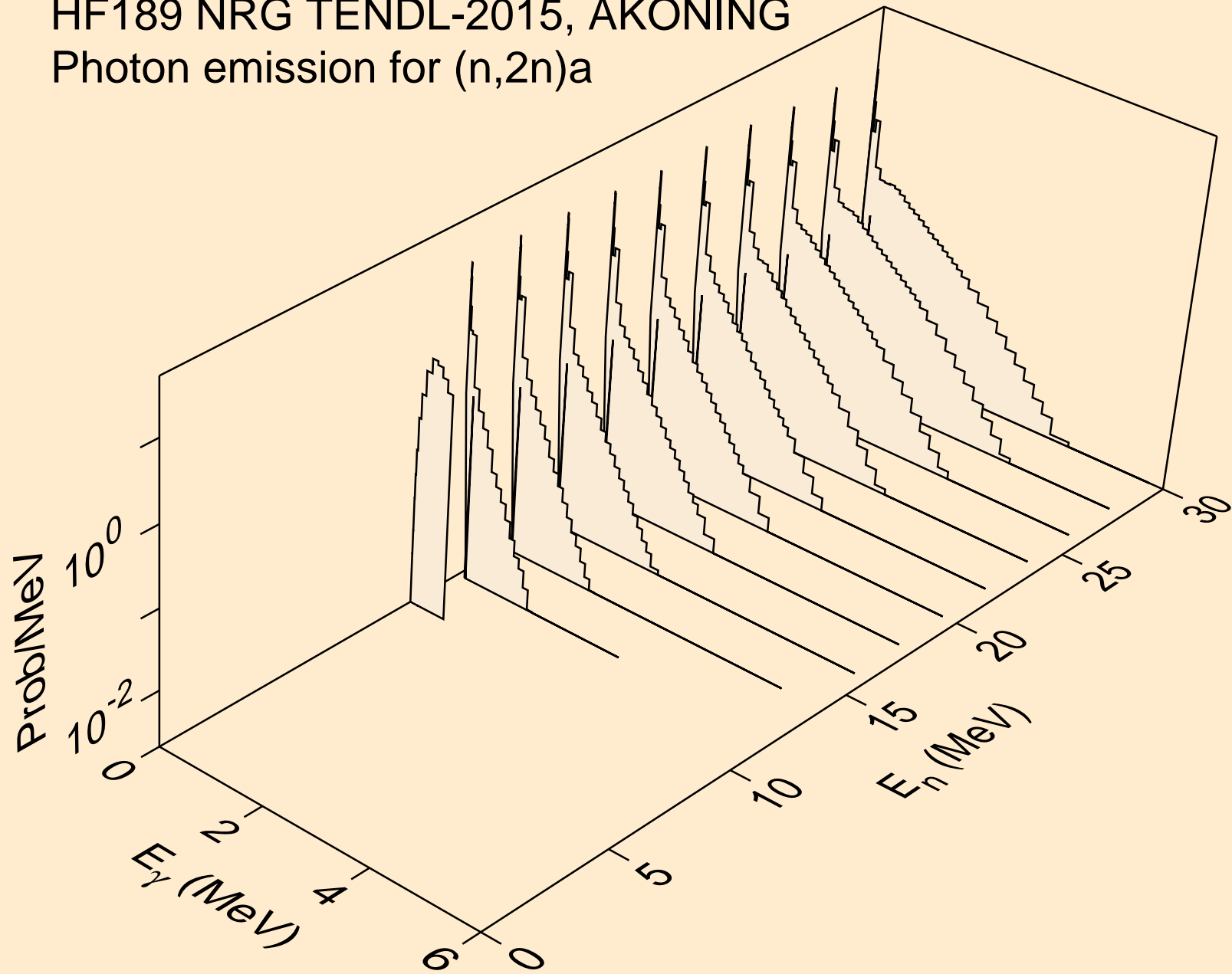




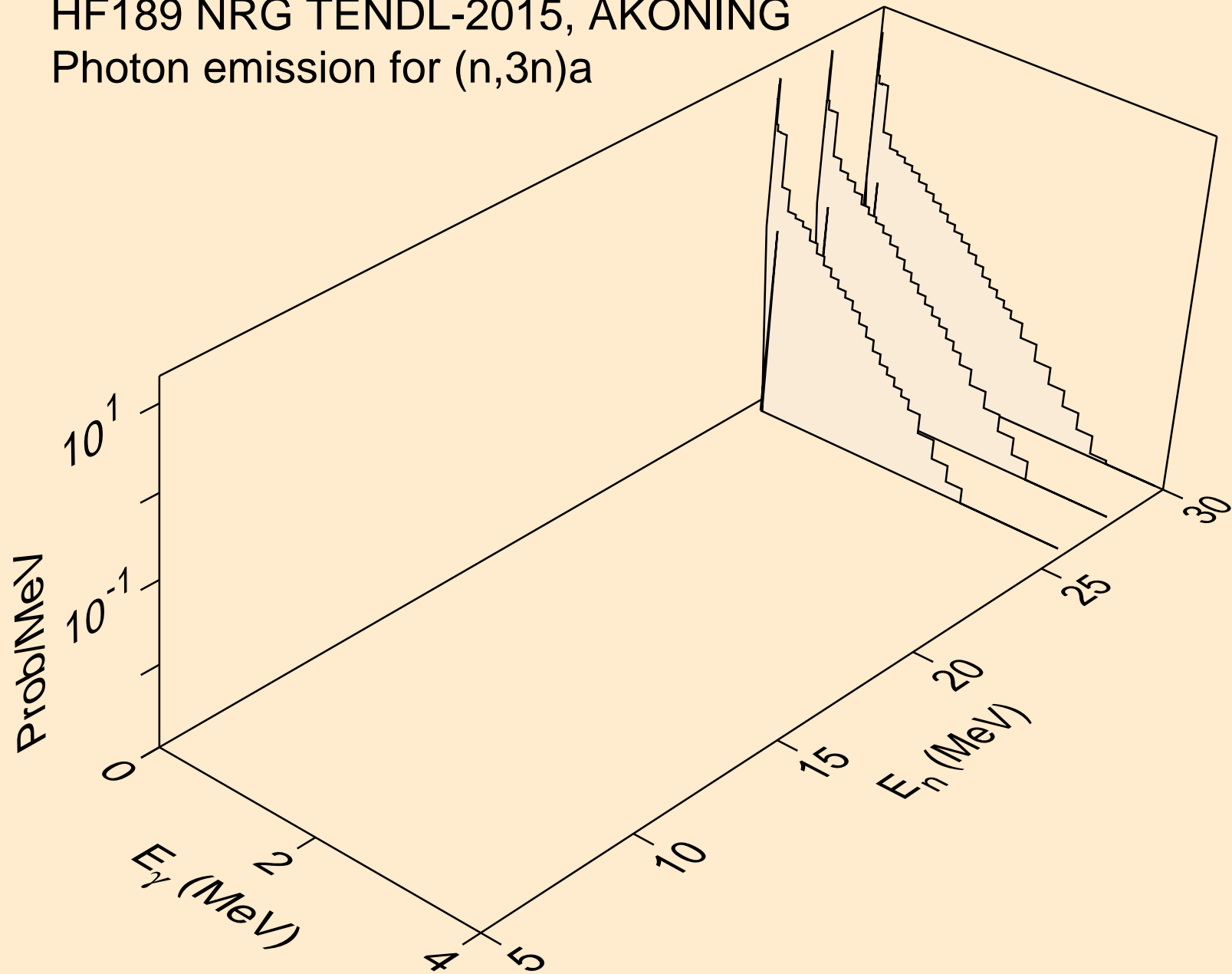
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



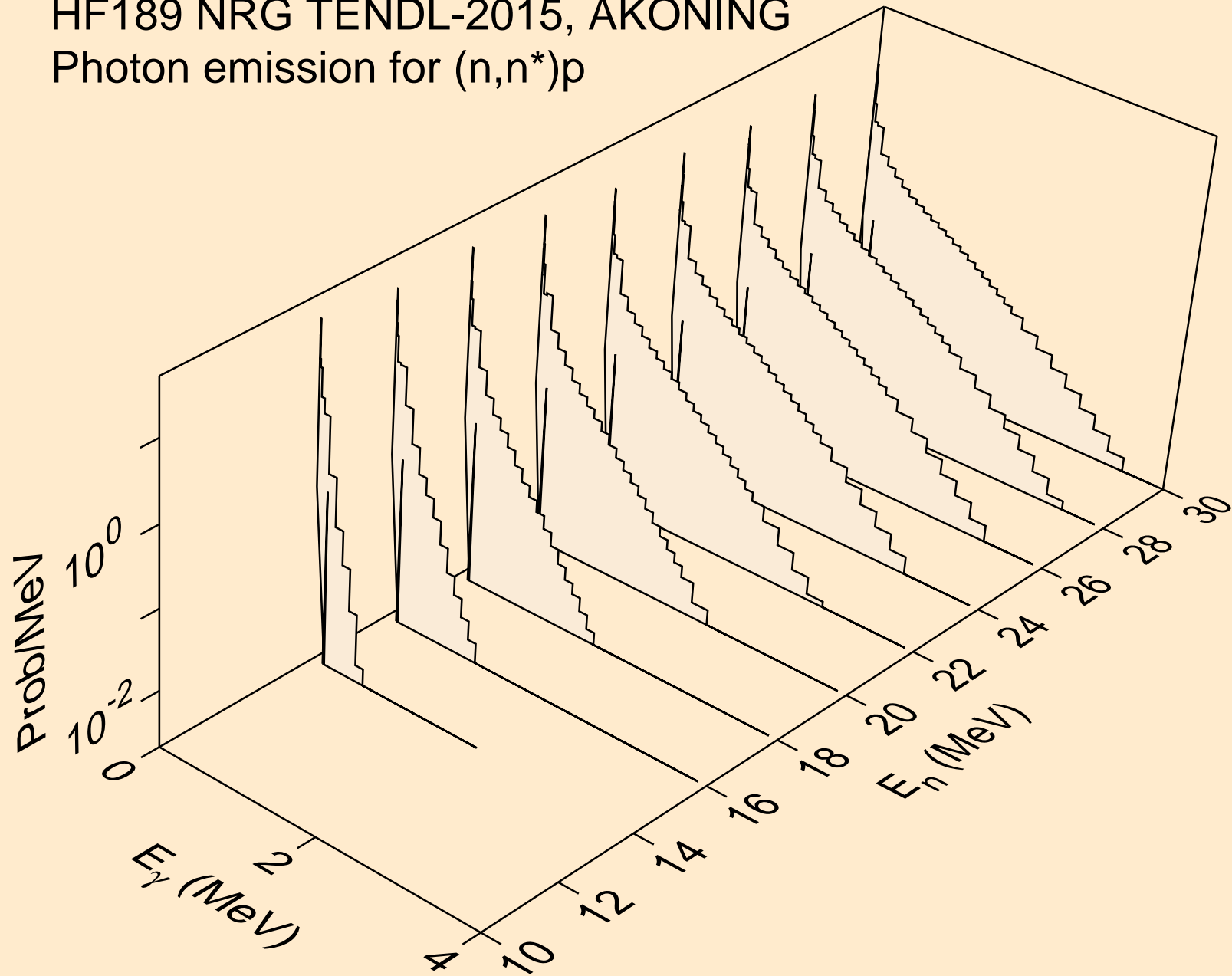
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



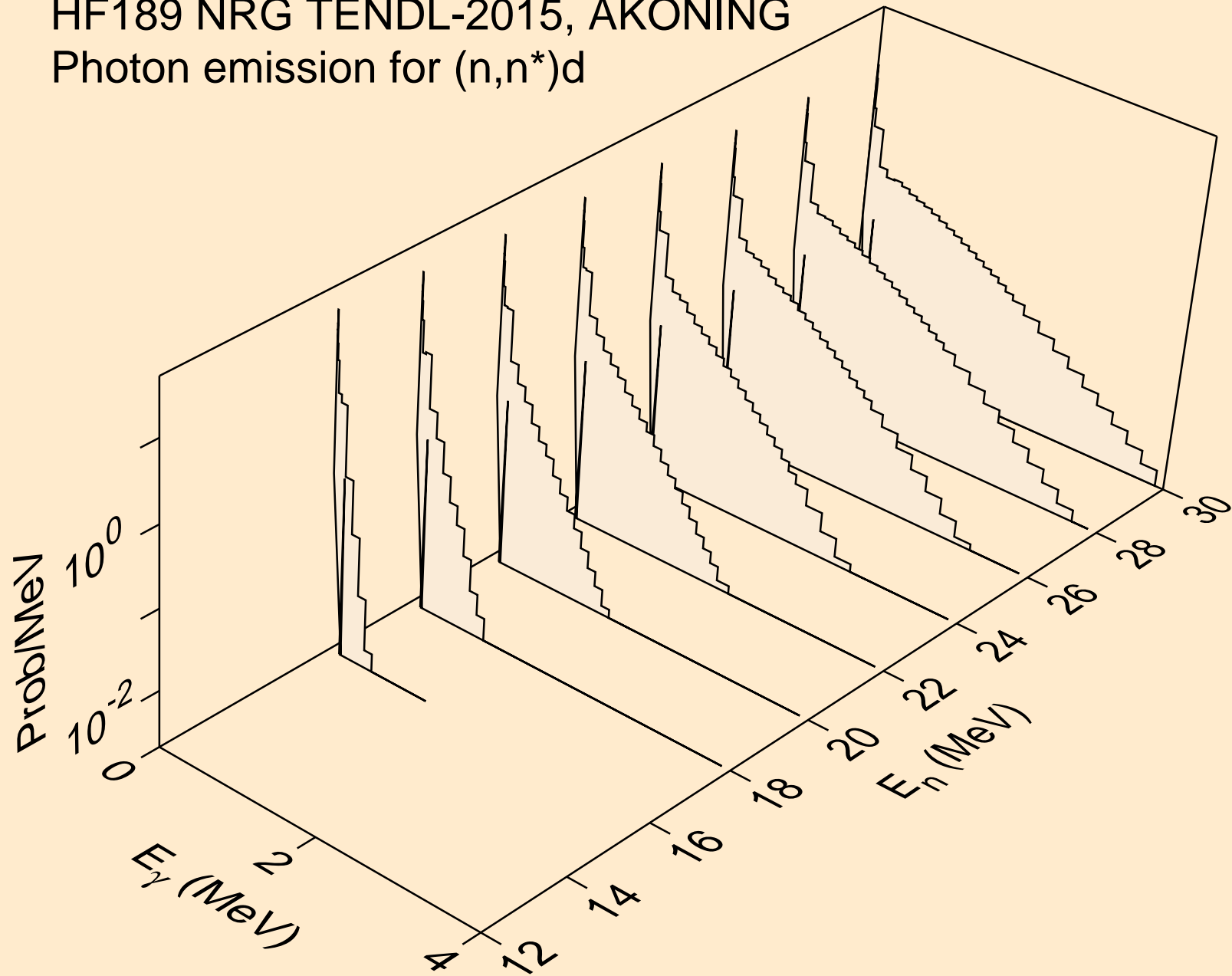
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



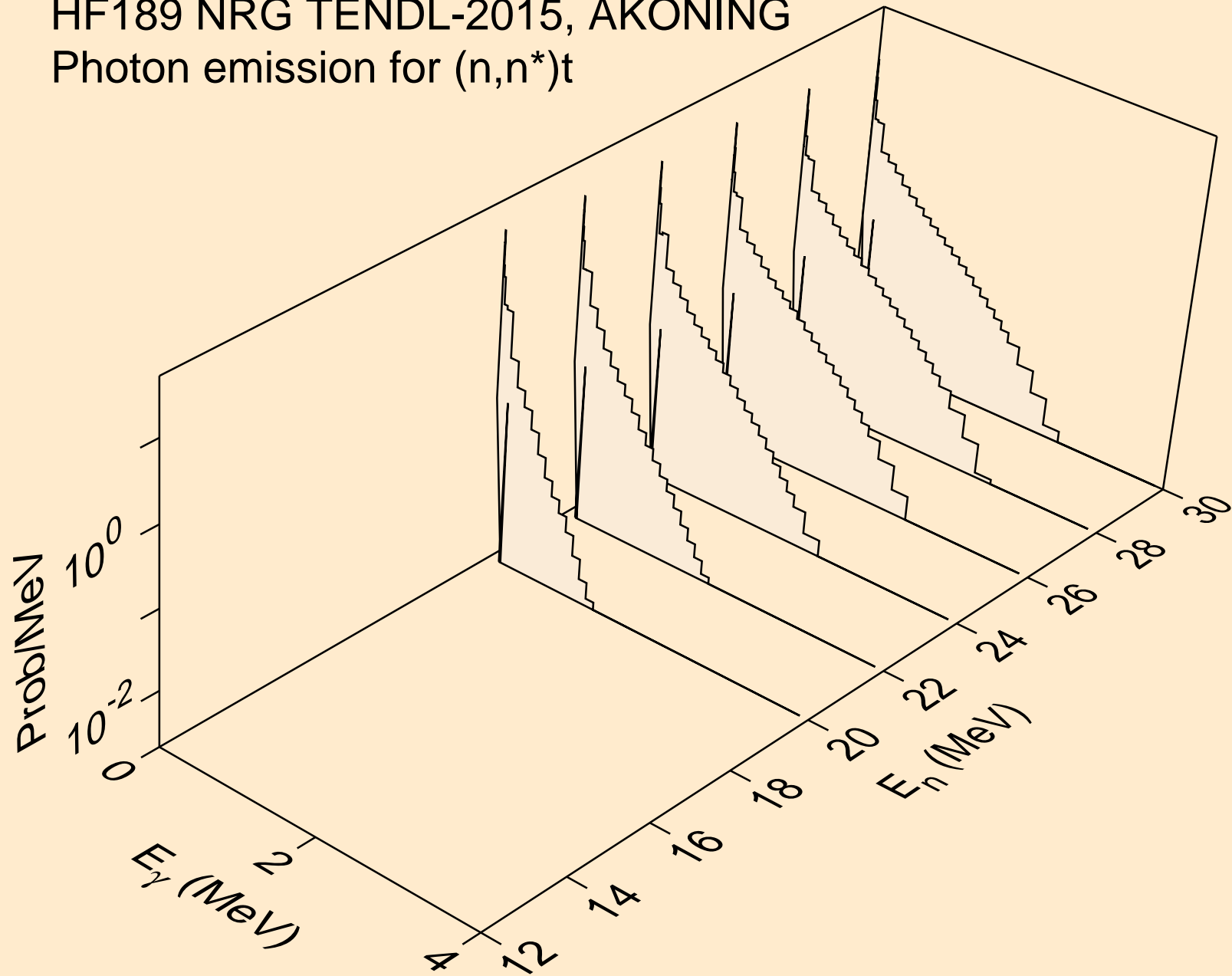
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



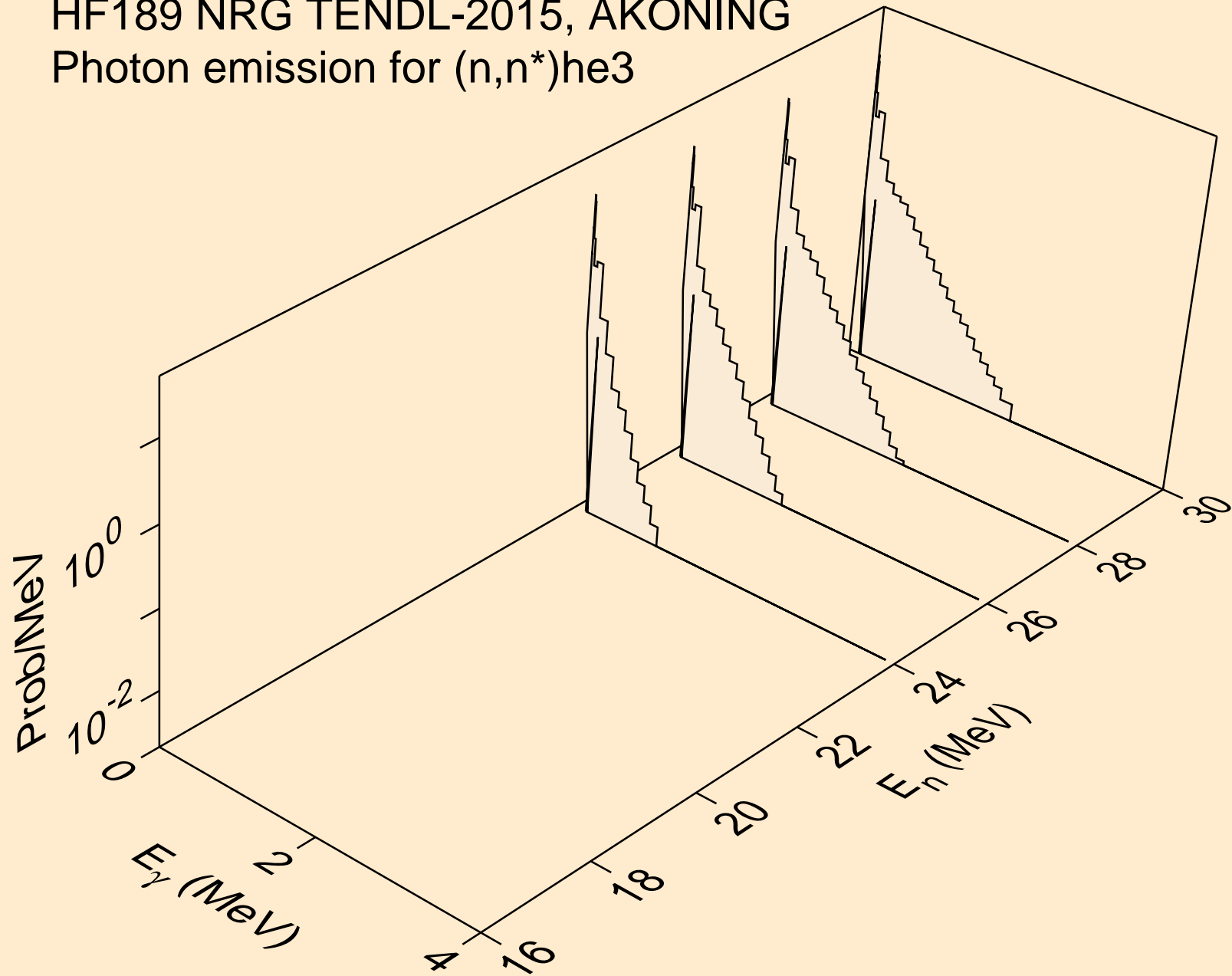
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



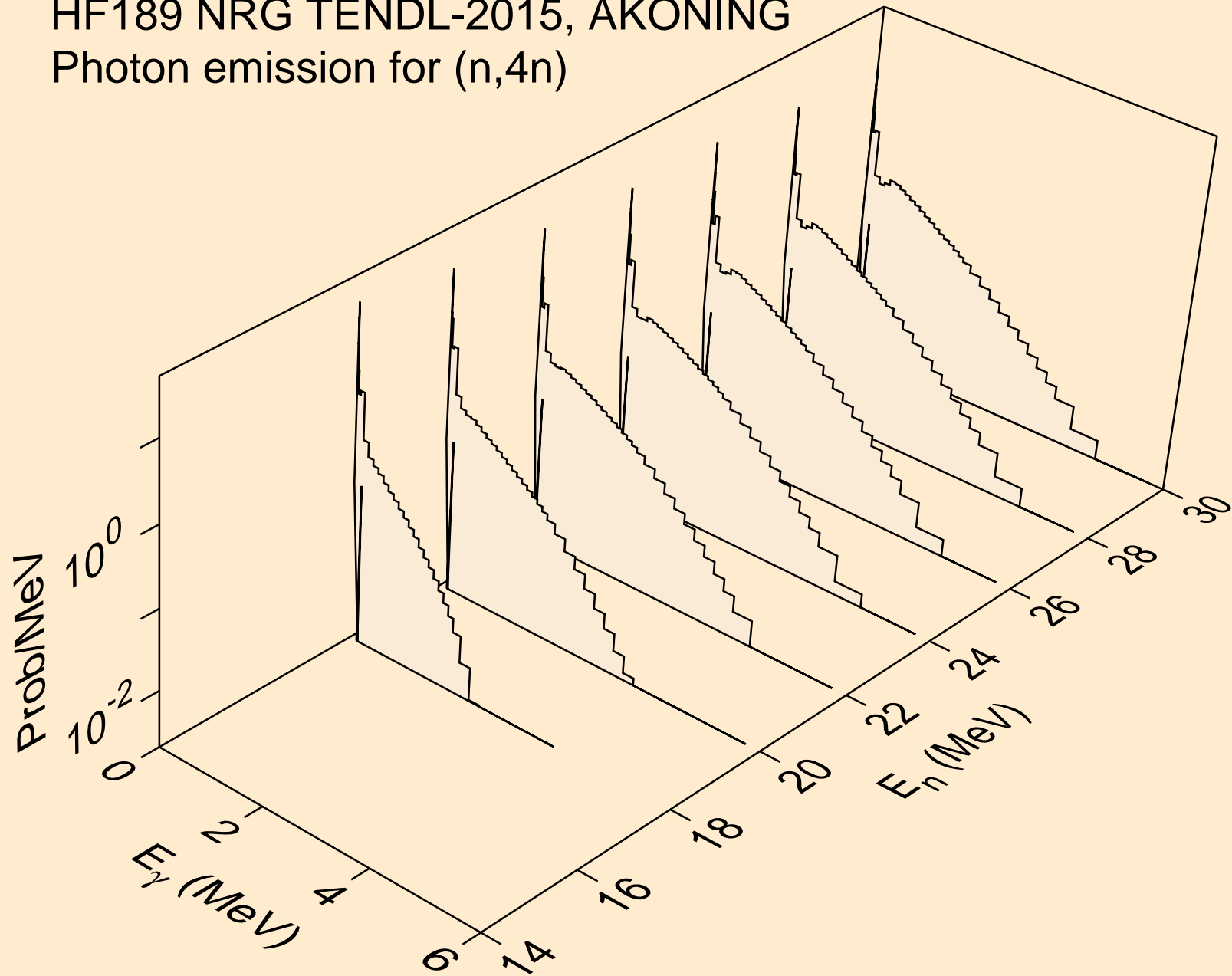
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

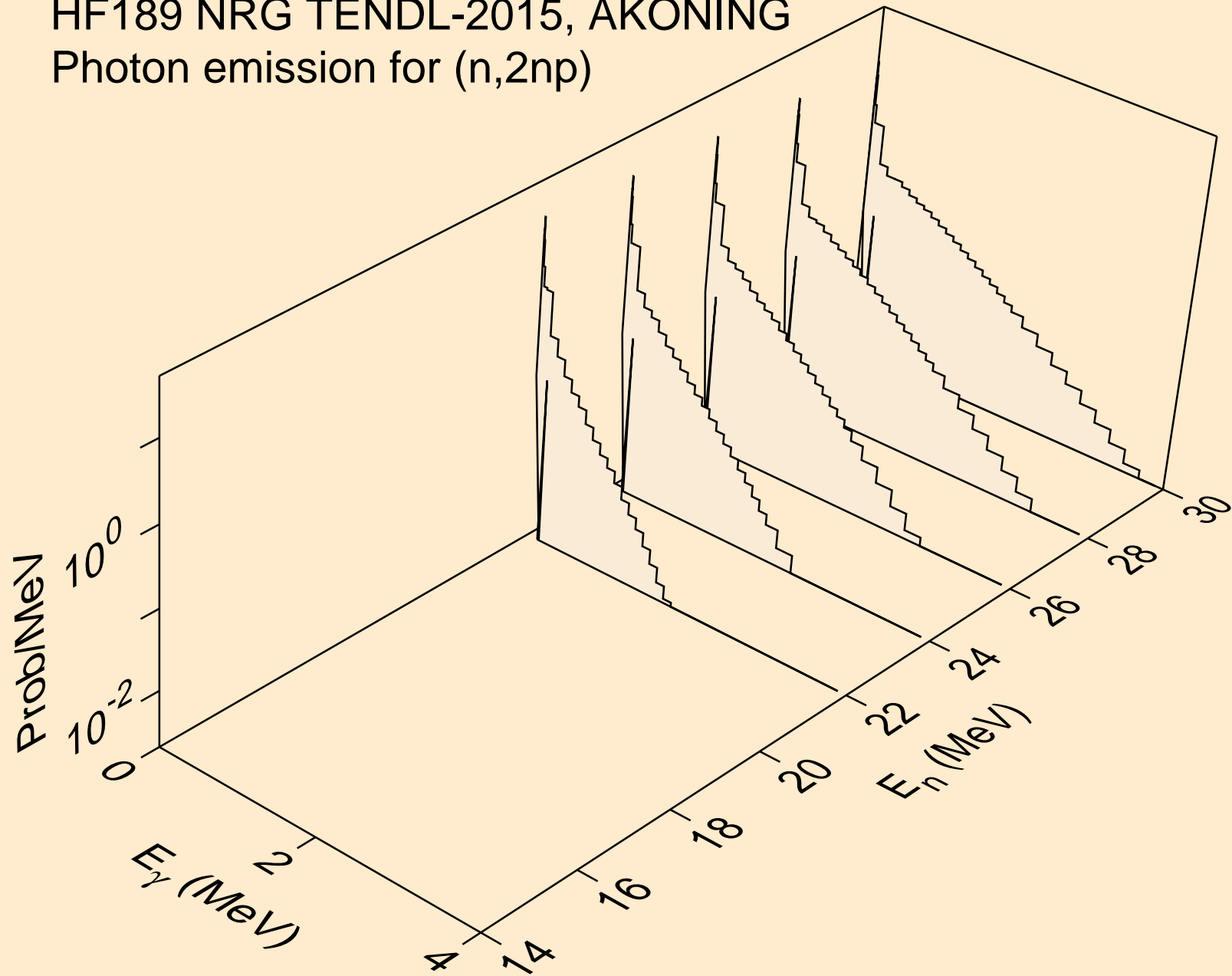


HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

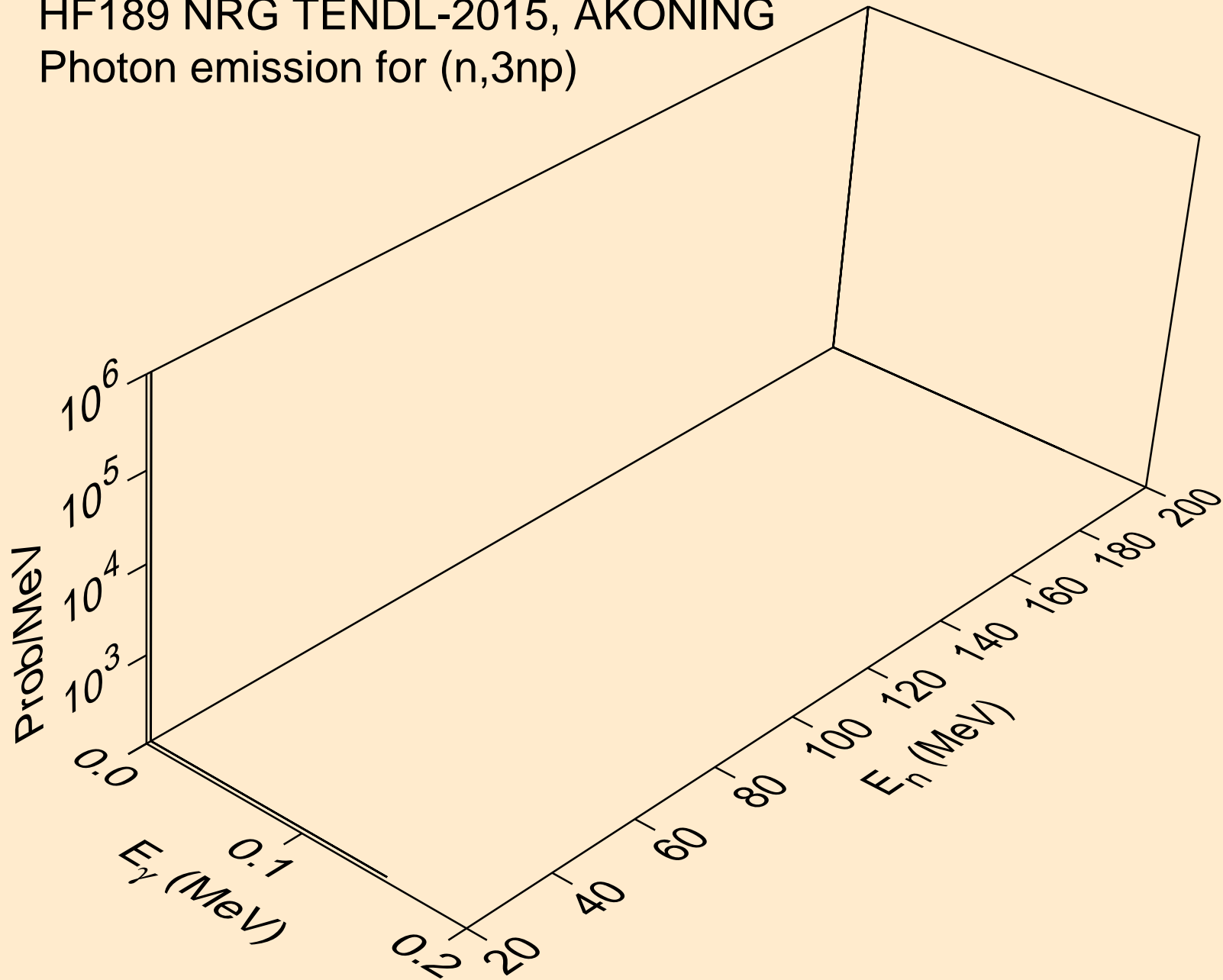




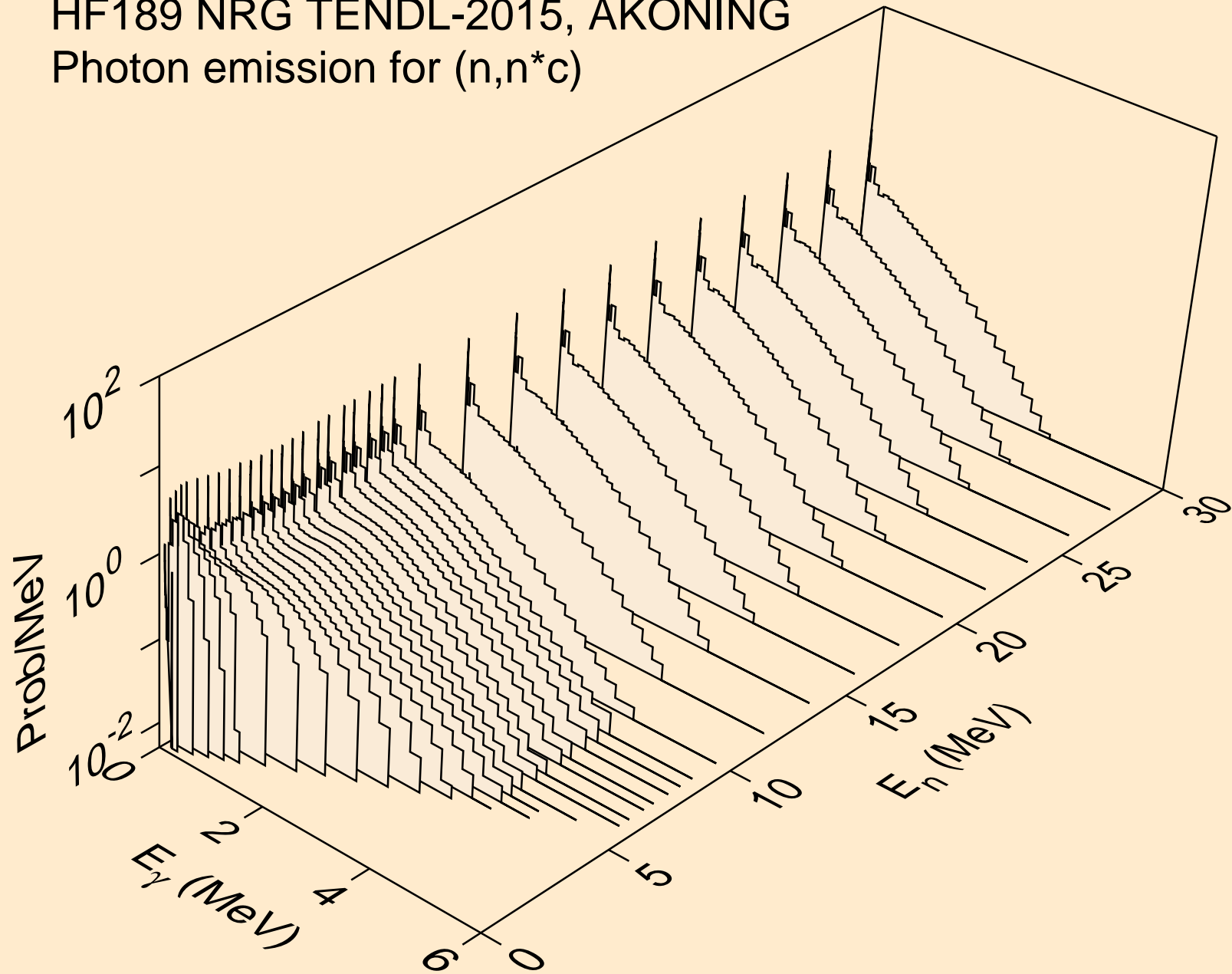
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



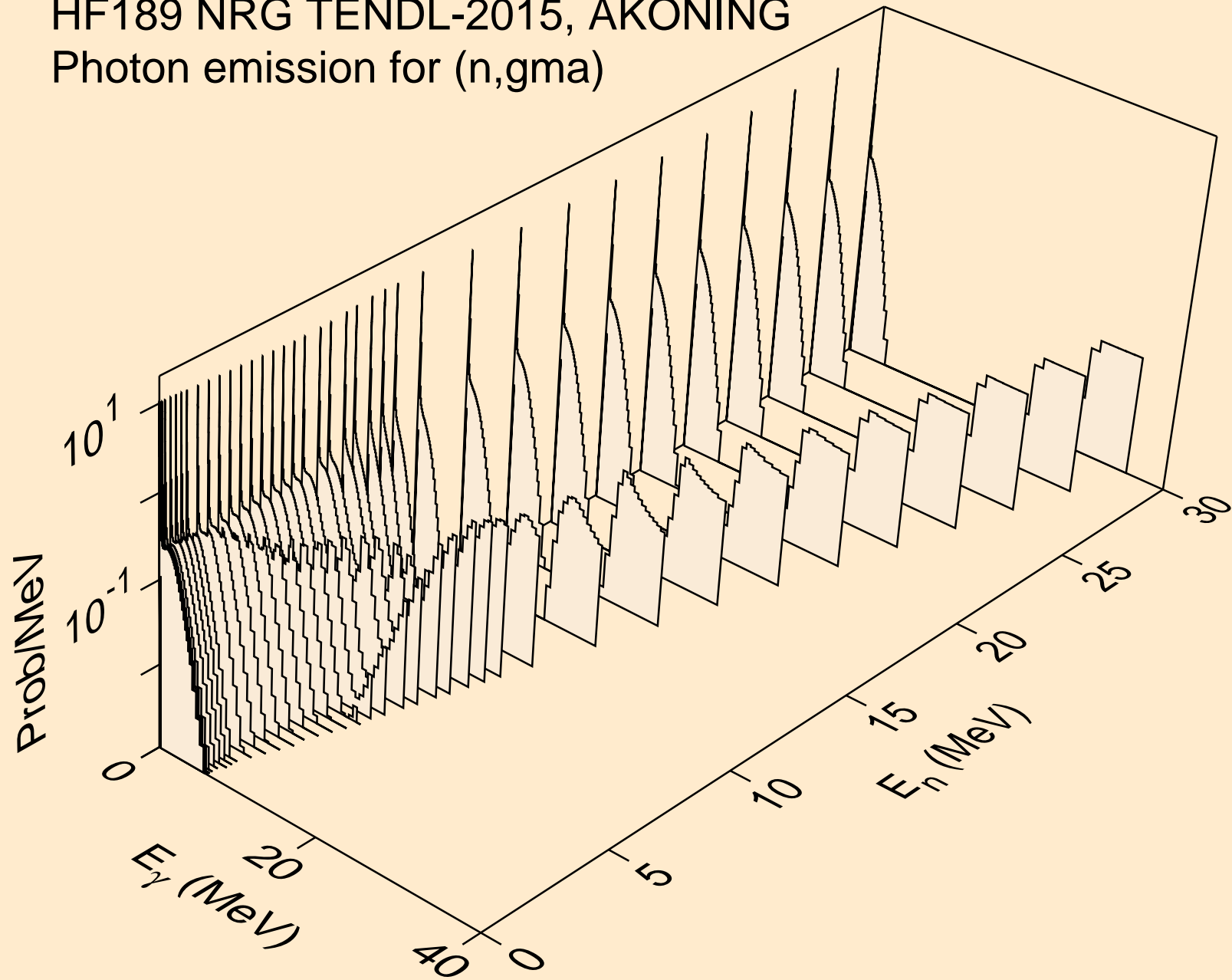
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



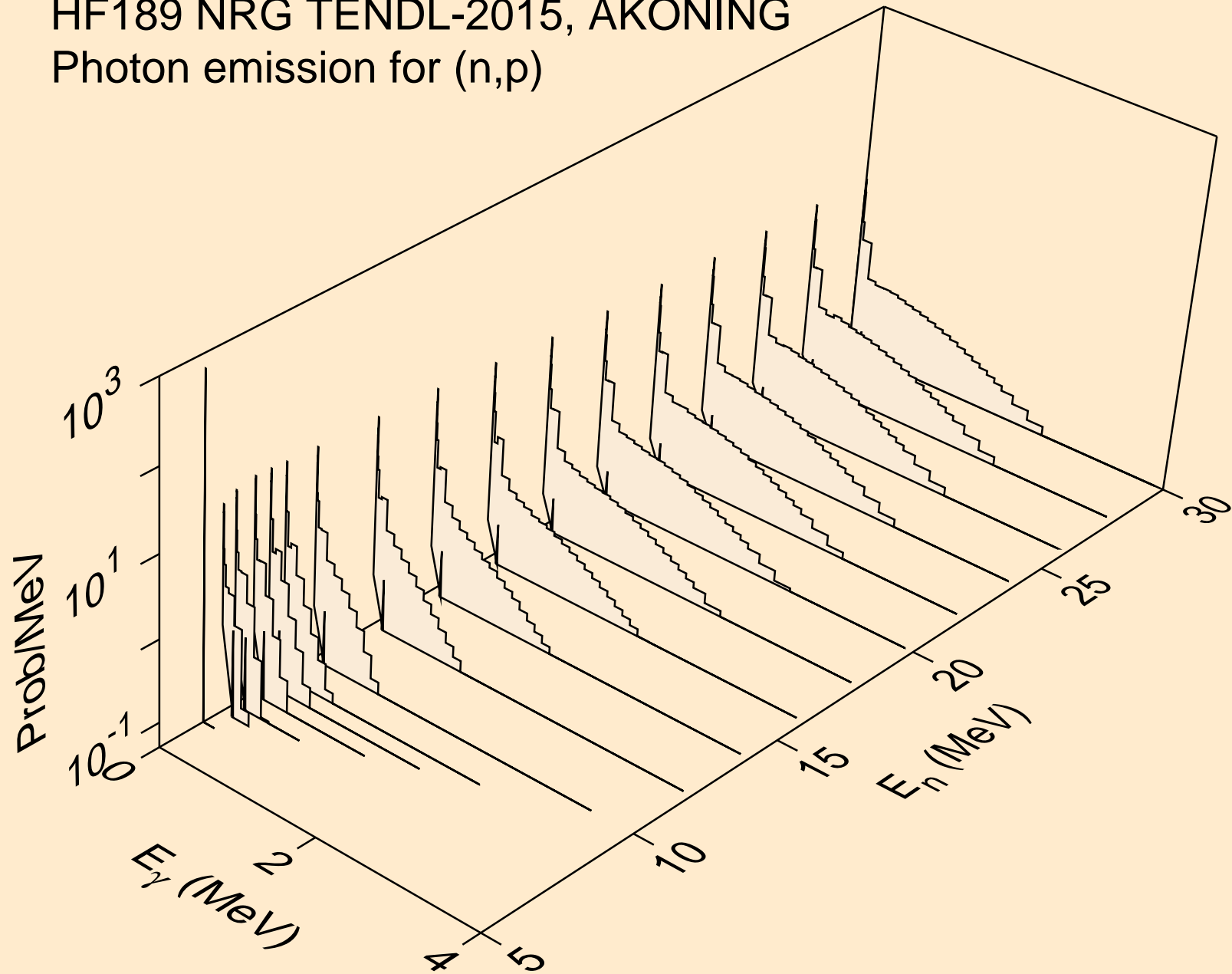
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



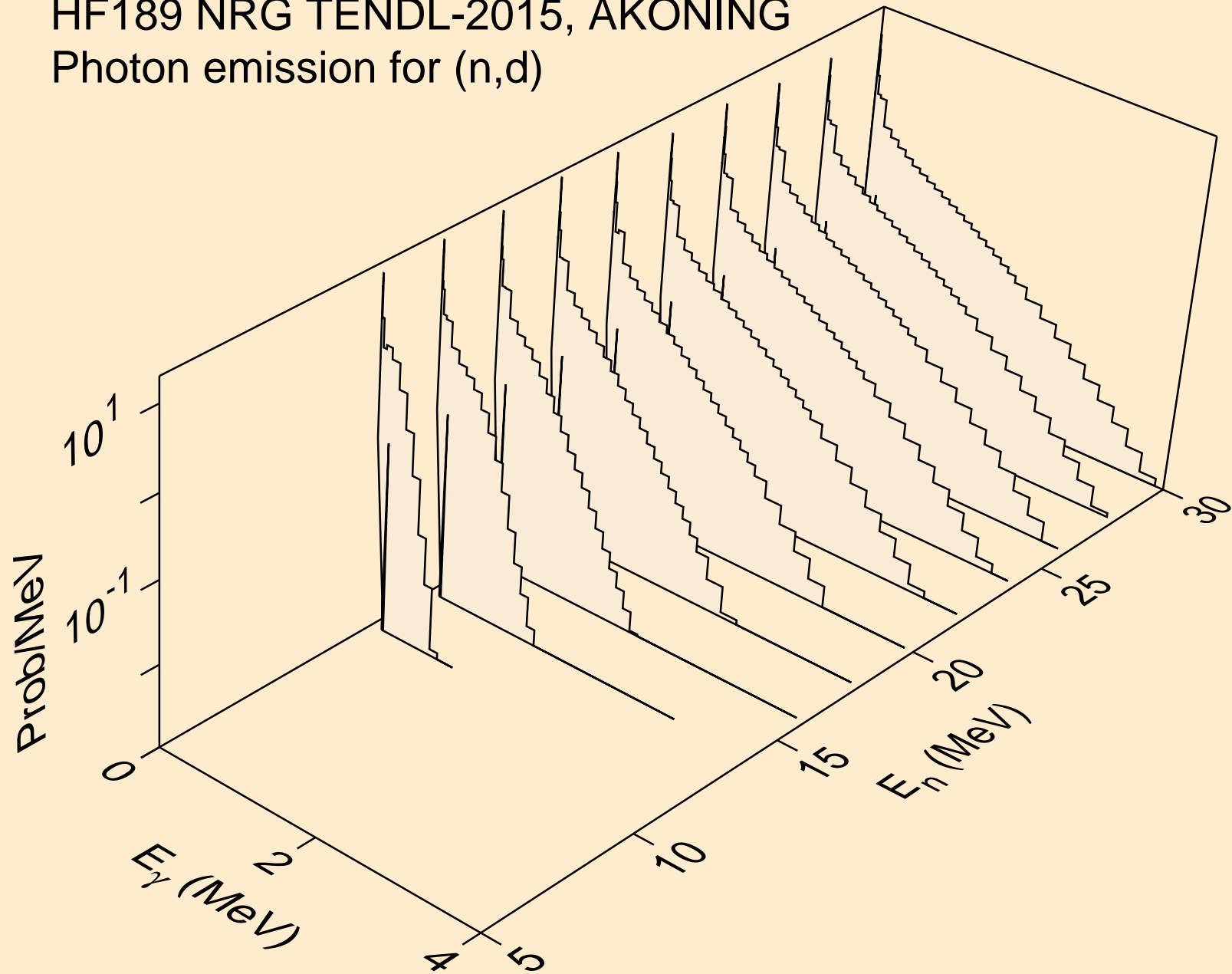
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



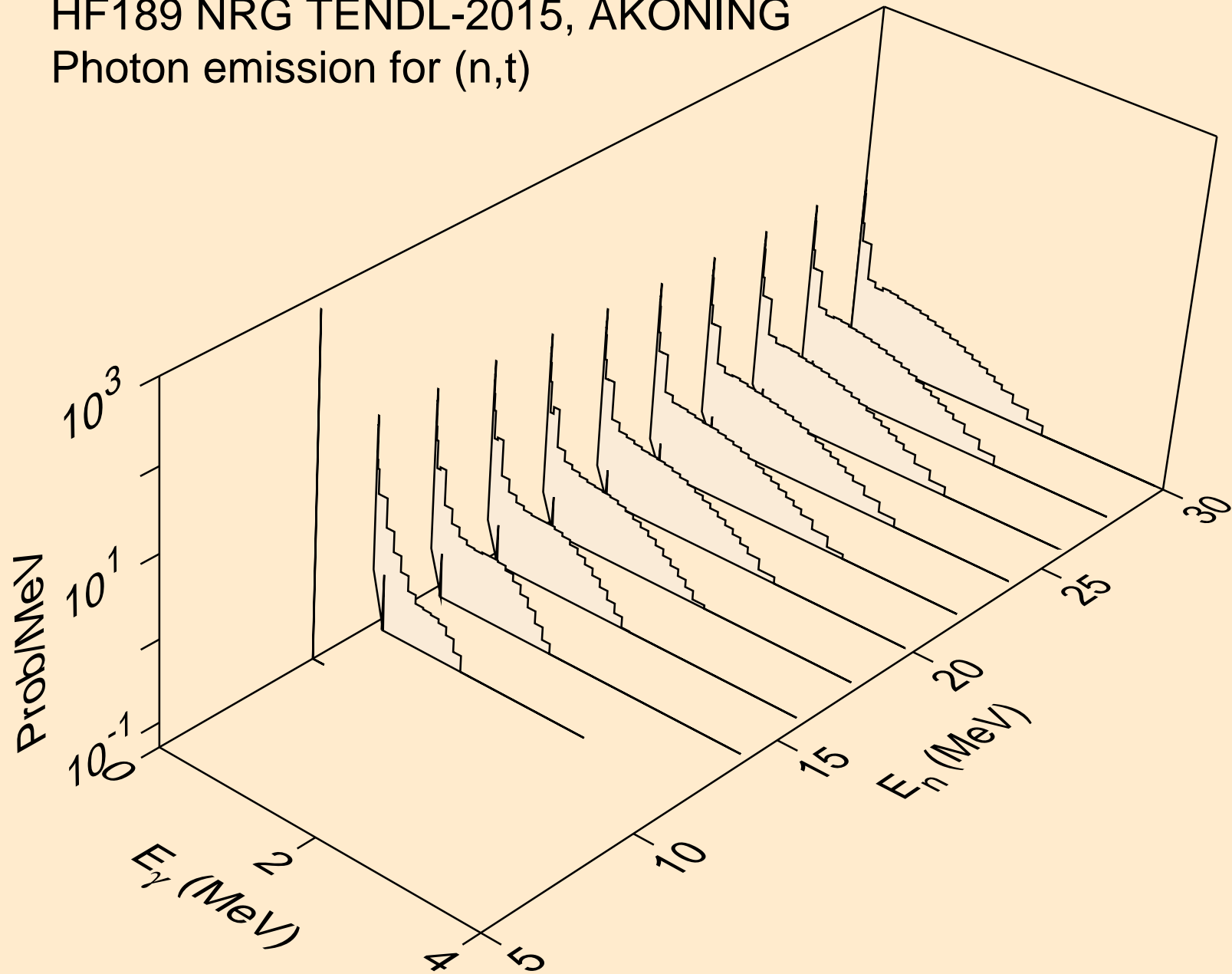
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



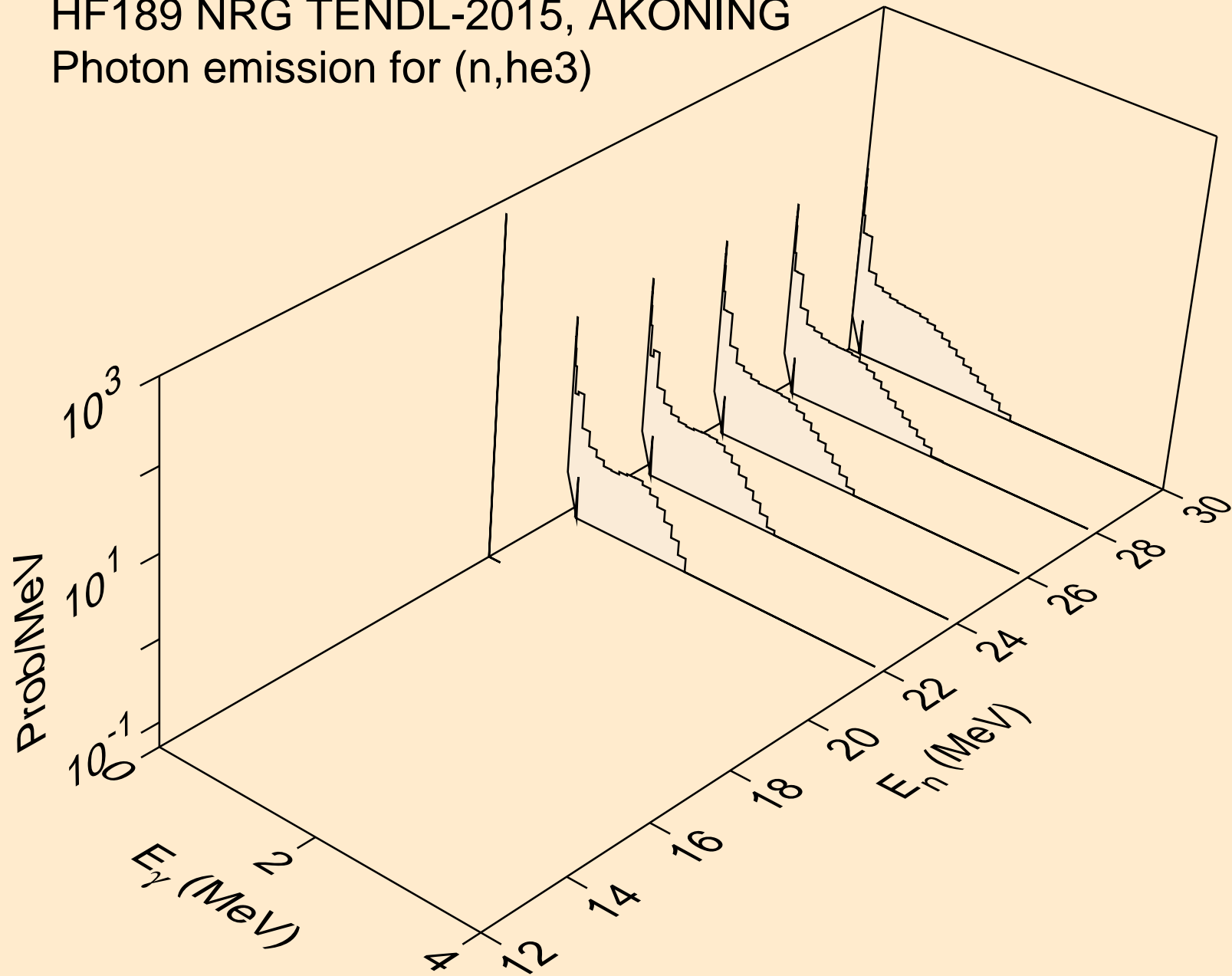
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

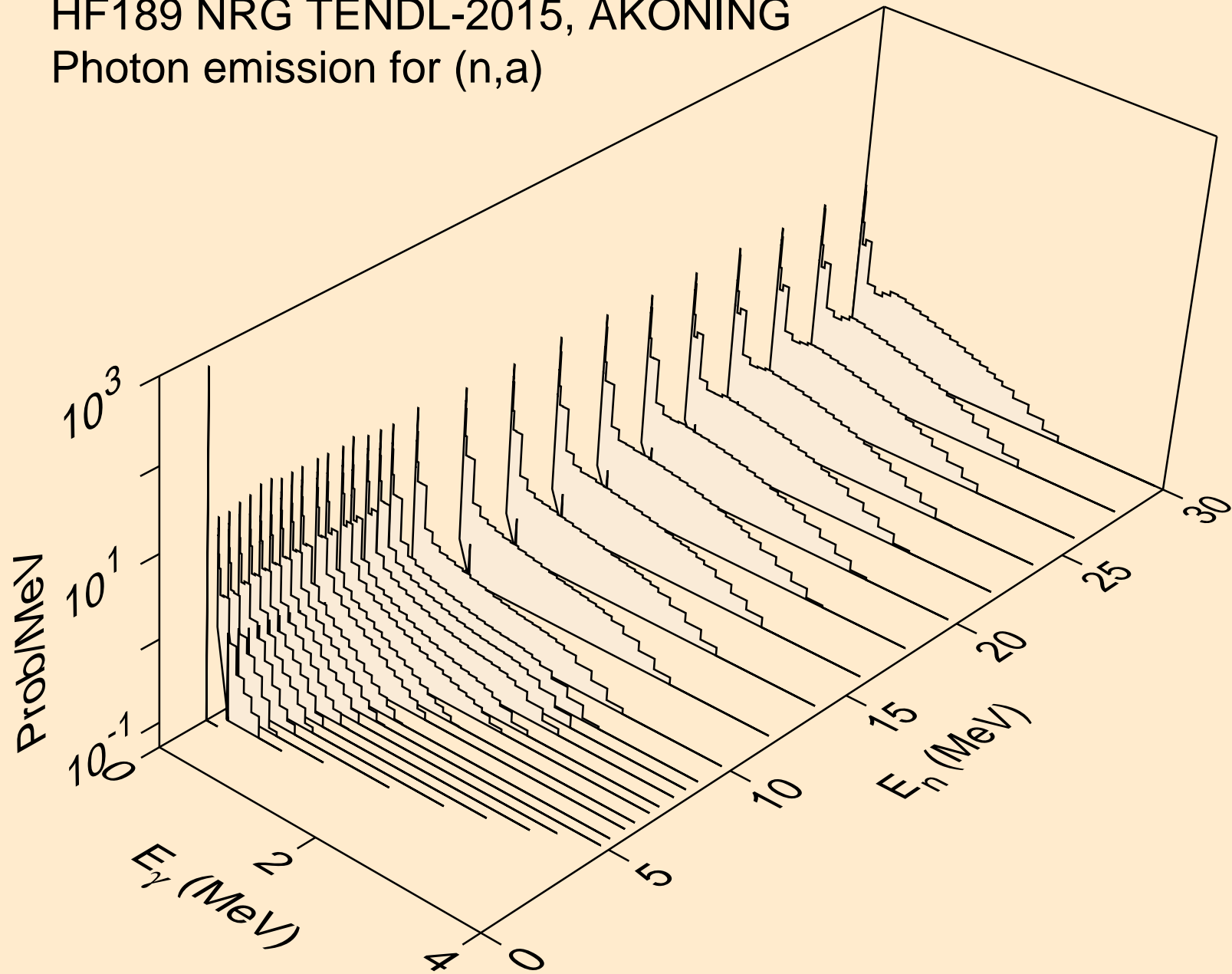


HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

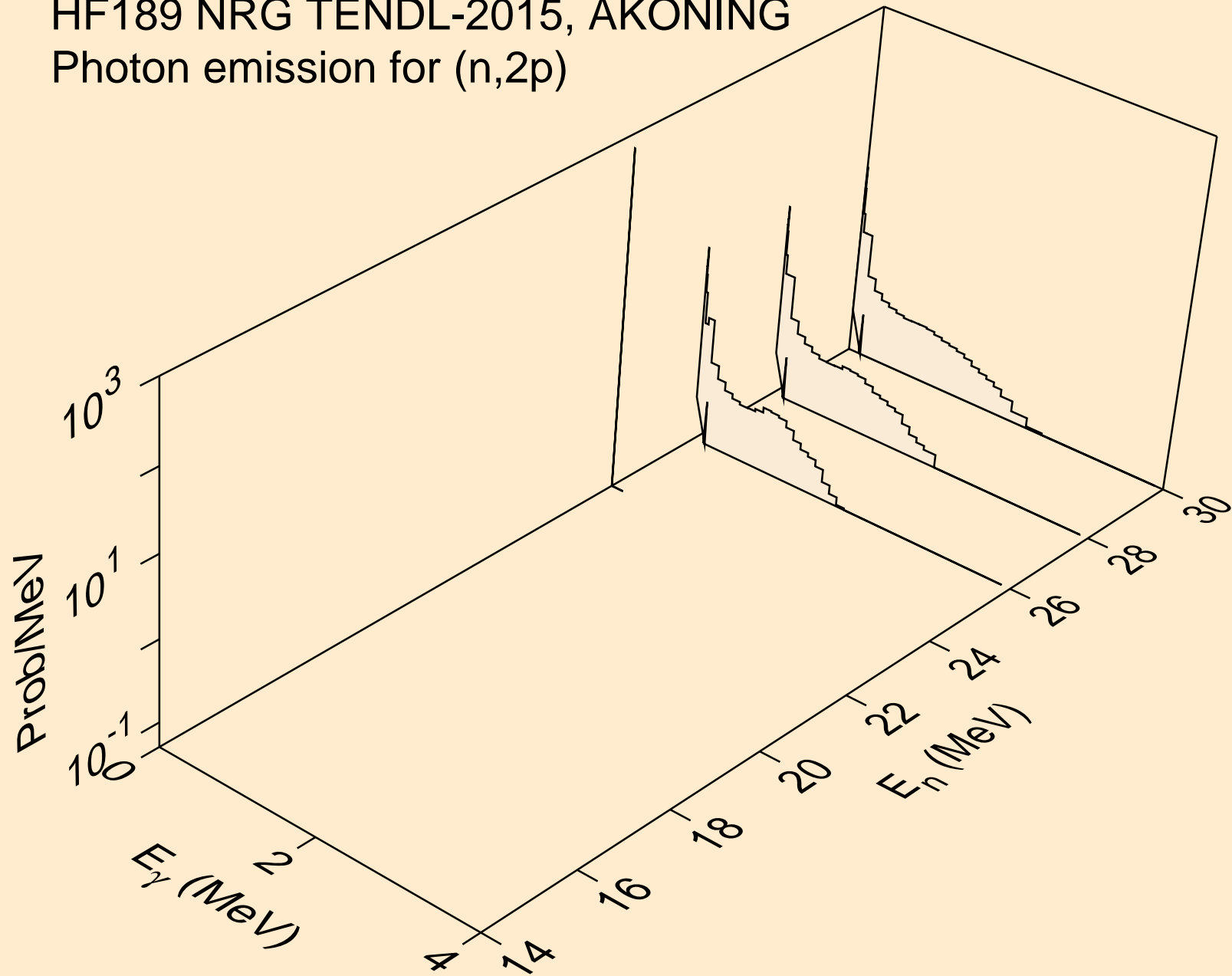




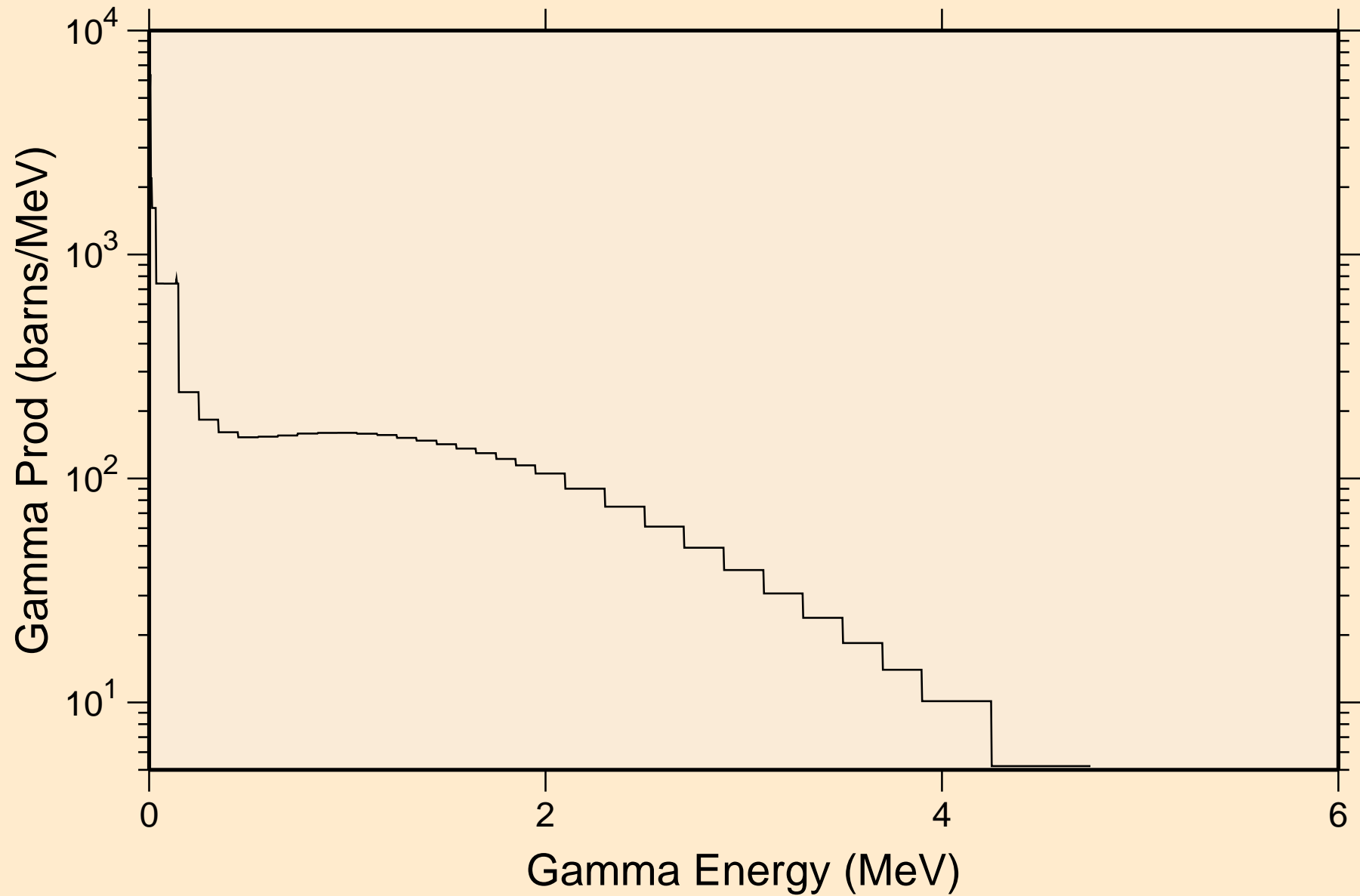
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



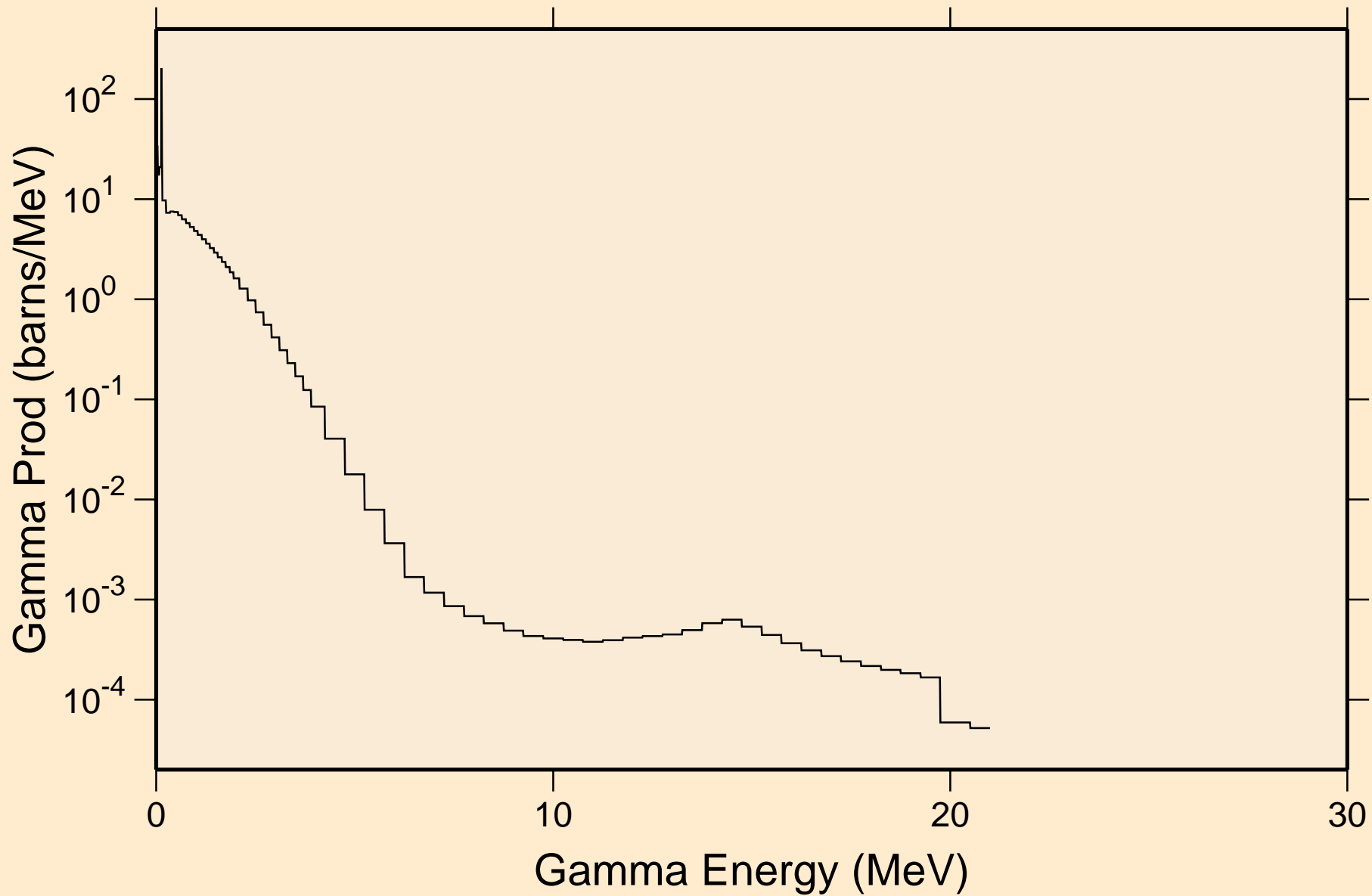
HF189 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



HF189 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

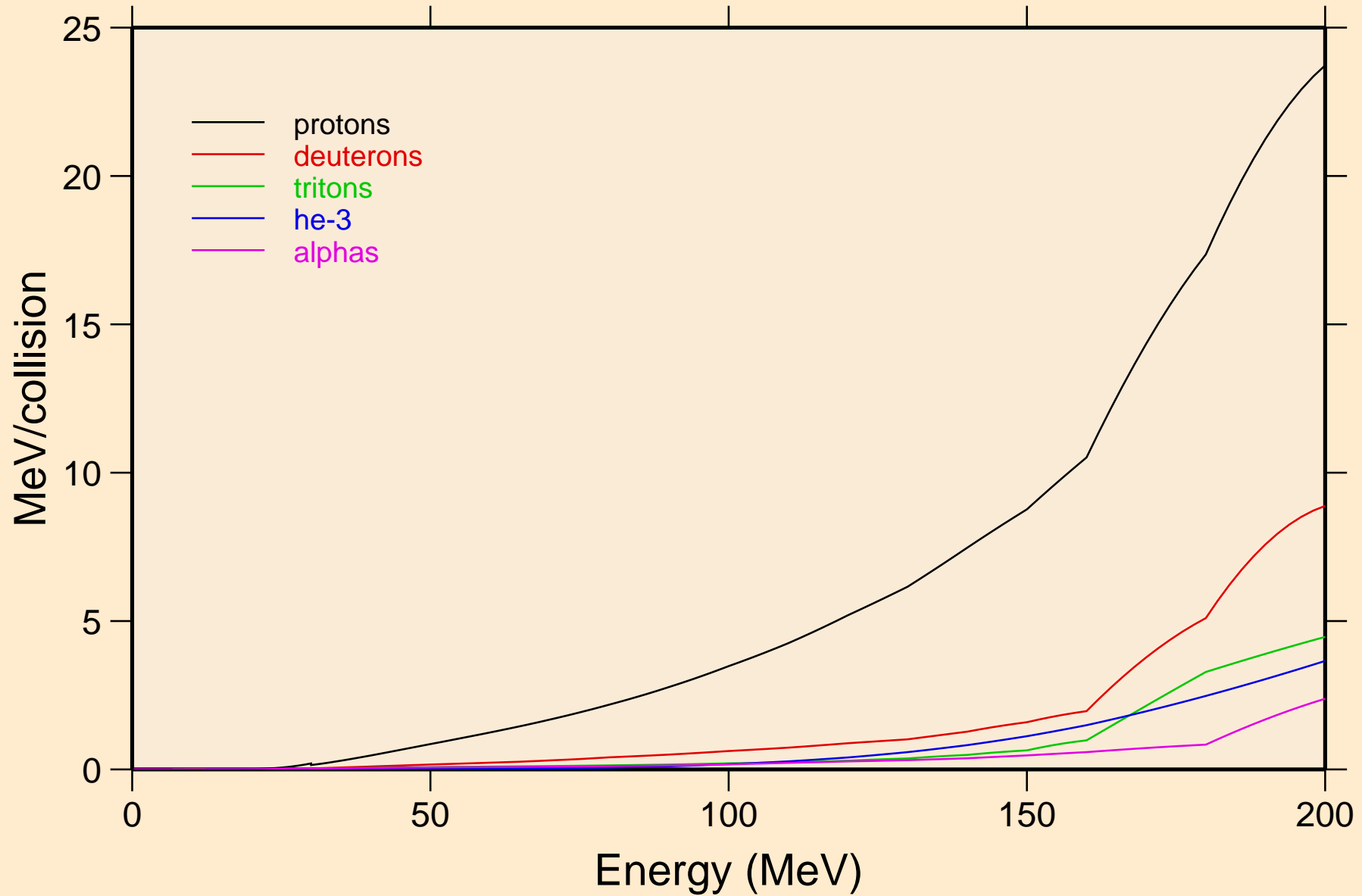


HF189 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



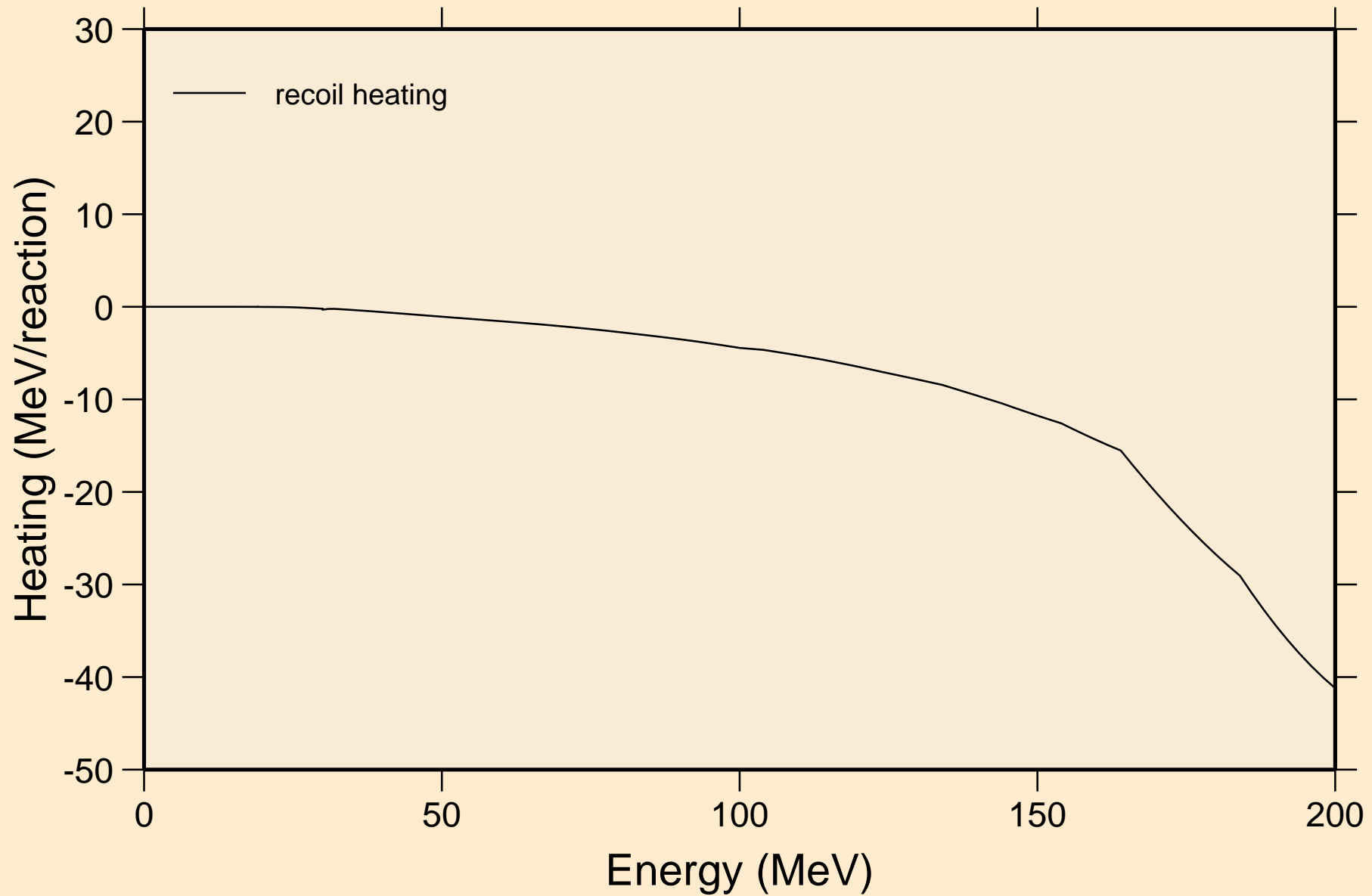
# HF189 NRG TENDL-2015, AKONING

## Particle heating contributions



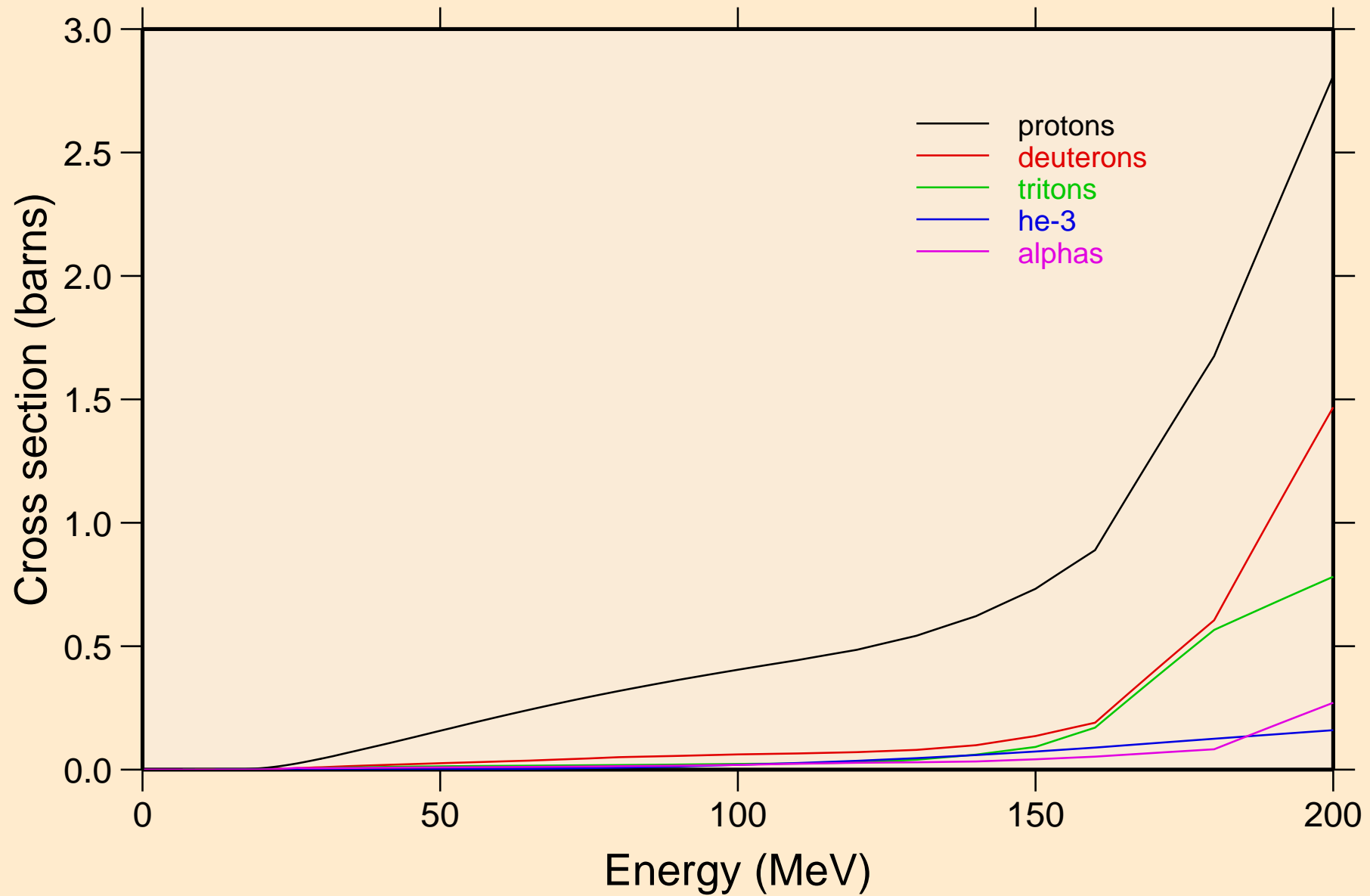
# HF189 NRG TENDL-2015, AKONING

## Recoil Heating

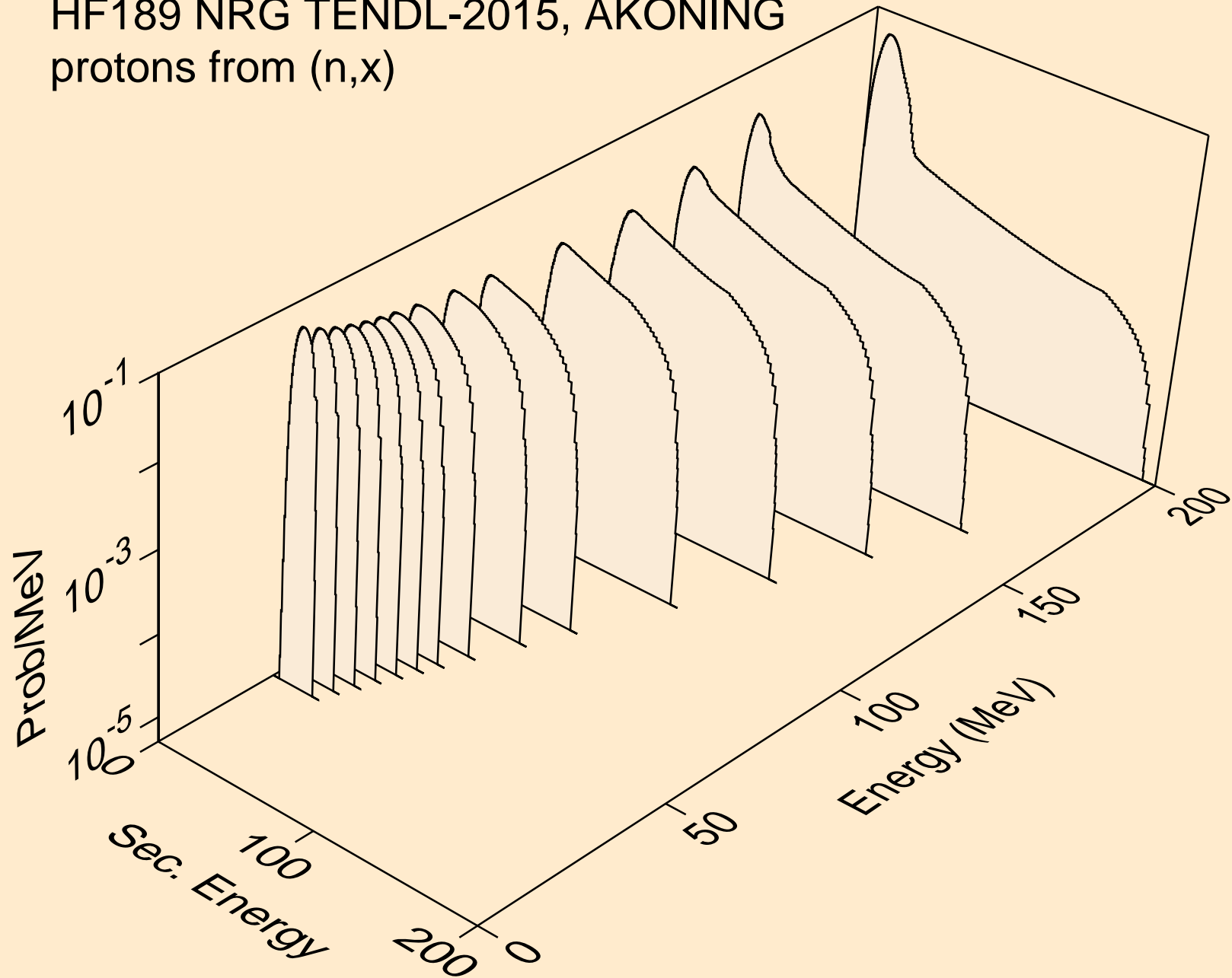


# HF189 NRG TENDL-2015, AKONING

## Particle production cross sections

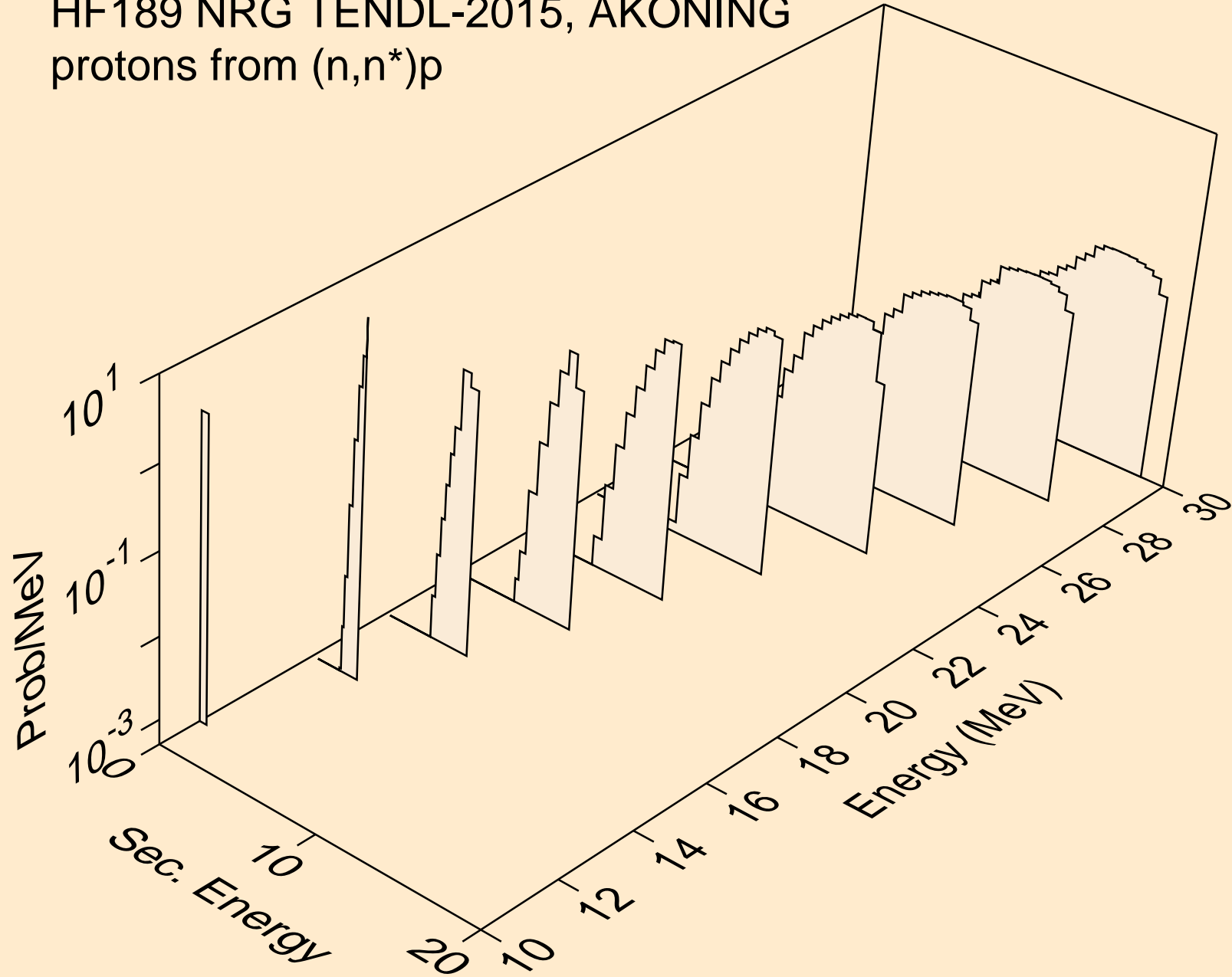


HF189 NRG TENDL-2015, AKONING  
protons from (n,x)

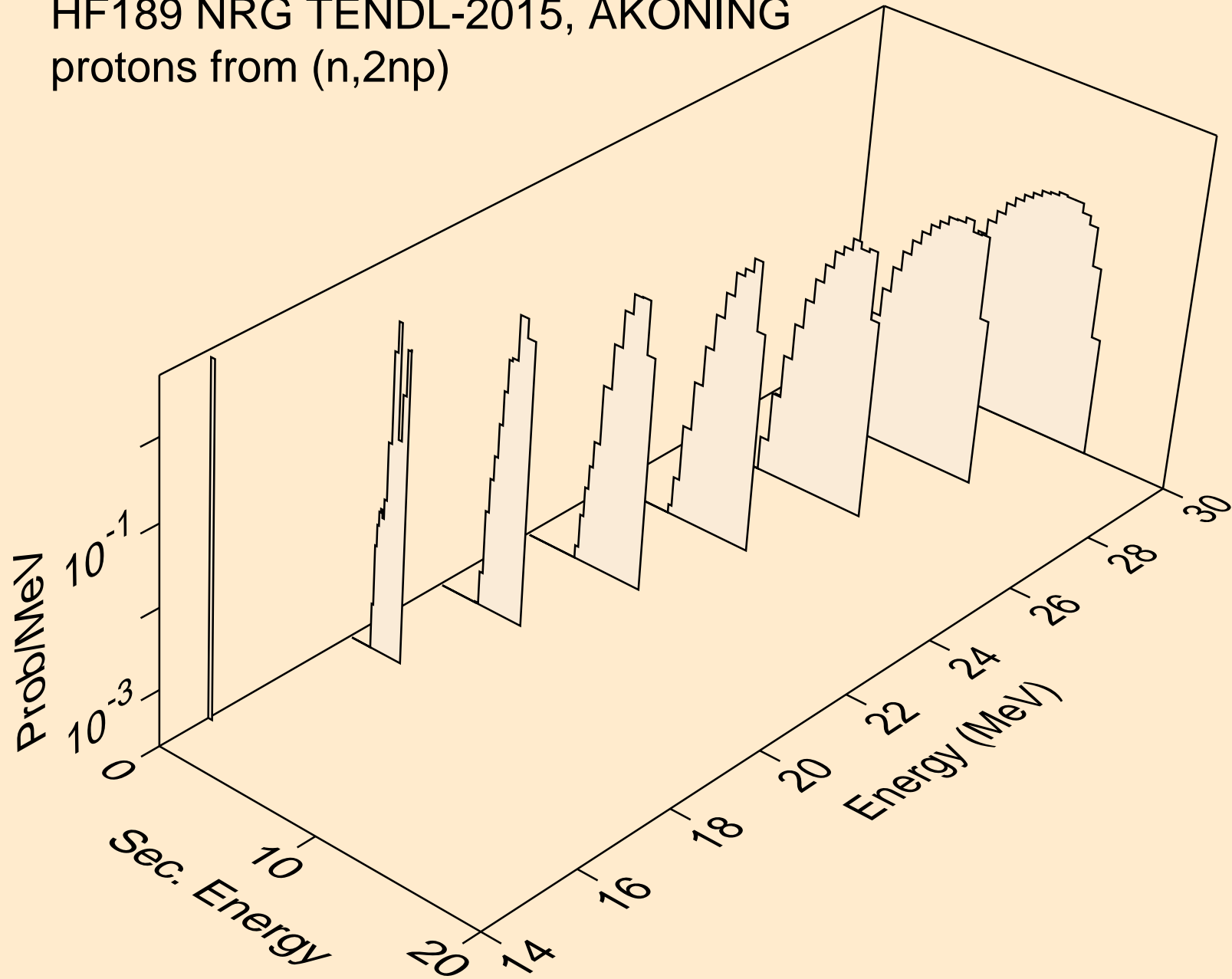




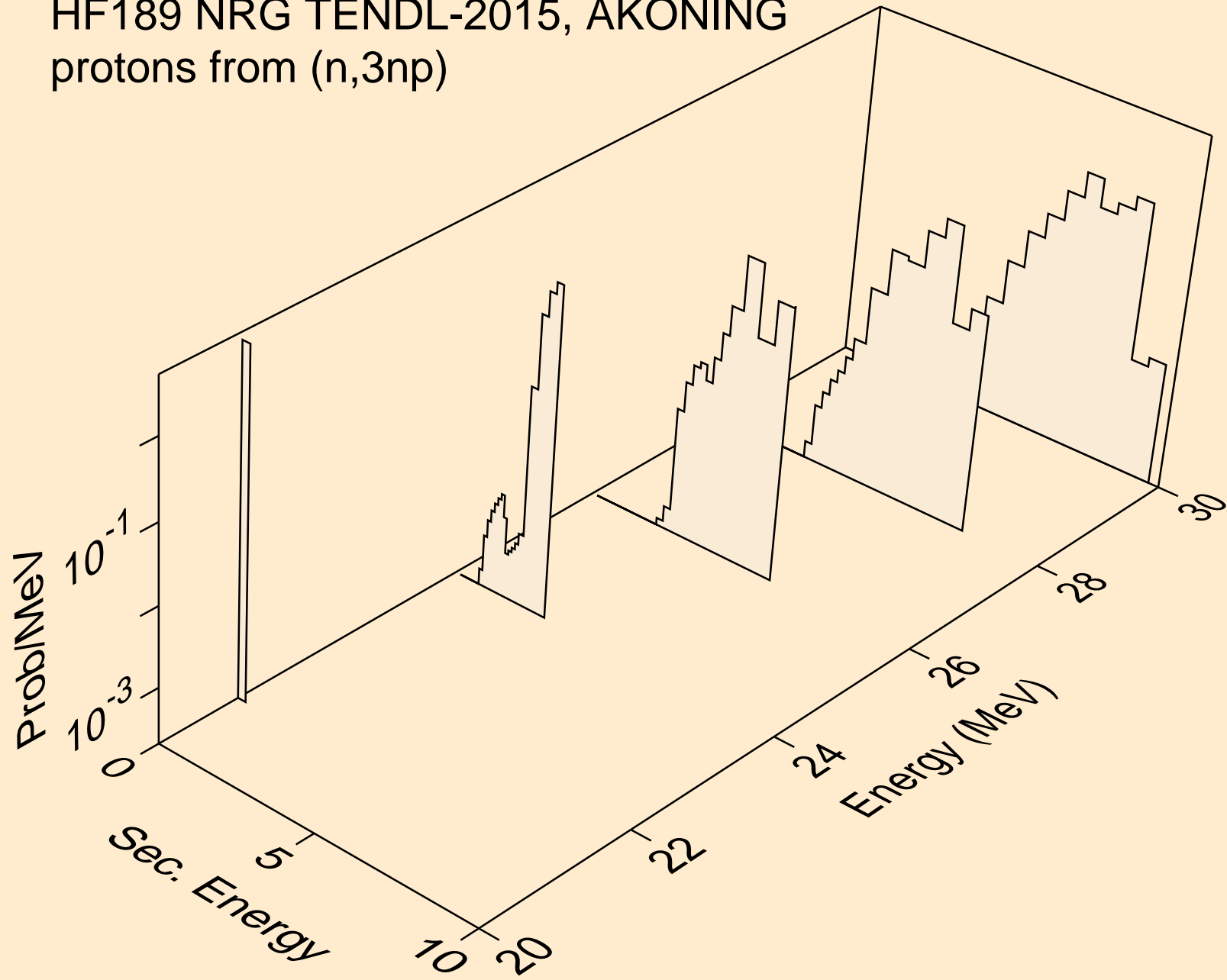
HF189 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



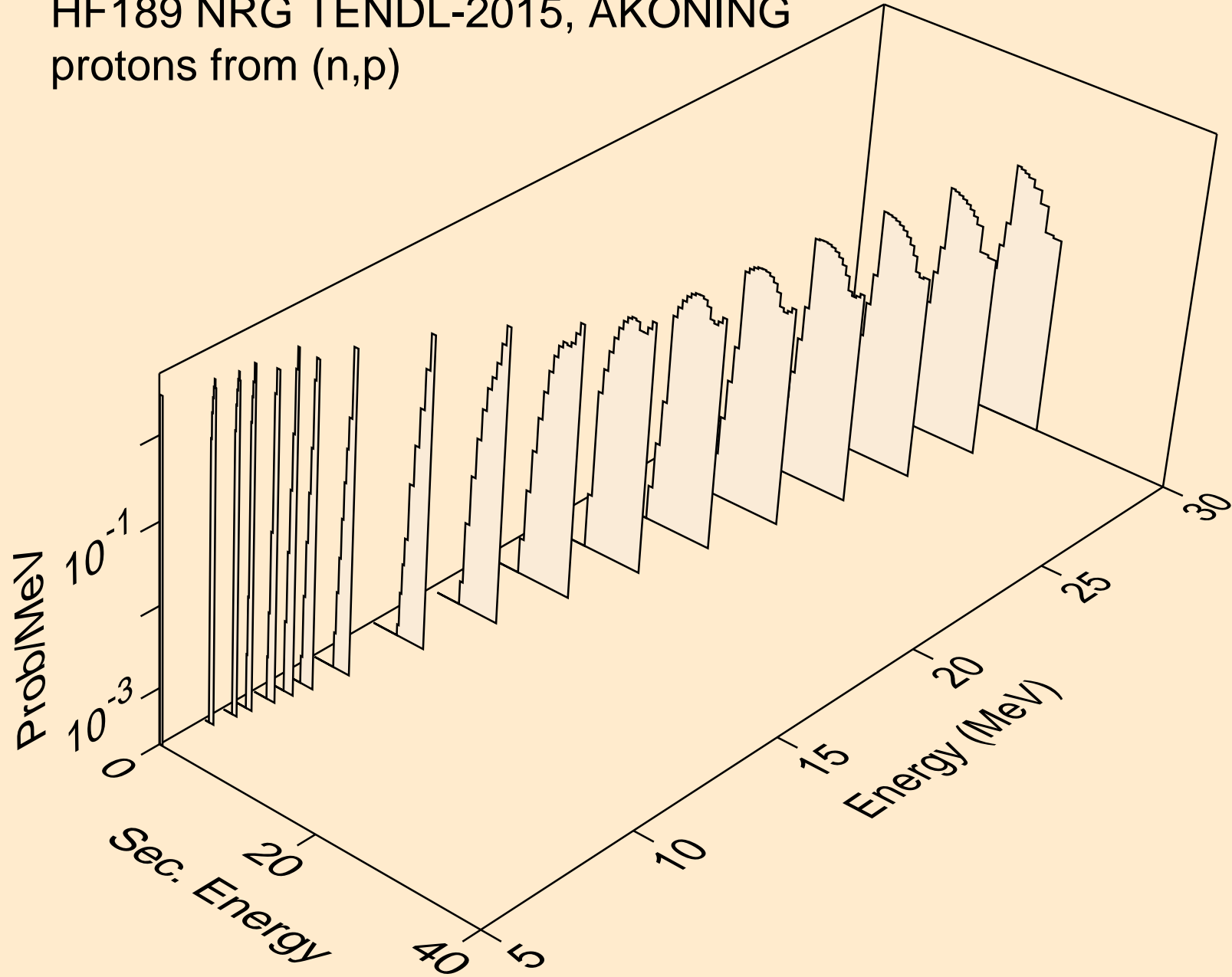
HF189 NRG TENDL-2015, AKONING  
protons from (n,2np)



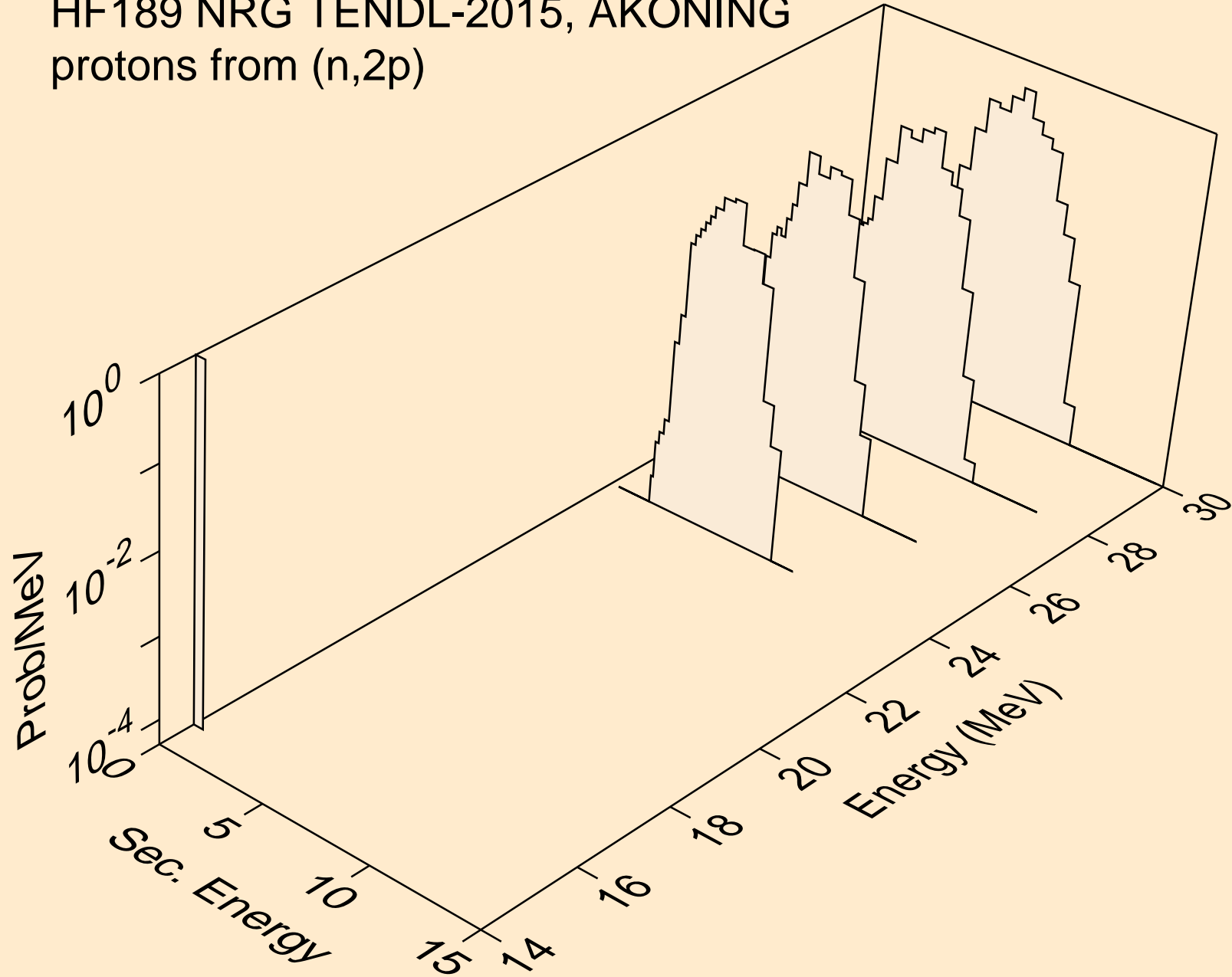
HF189 NRG TENDL-2015, AKONING  
protons from (n,3np)



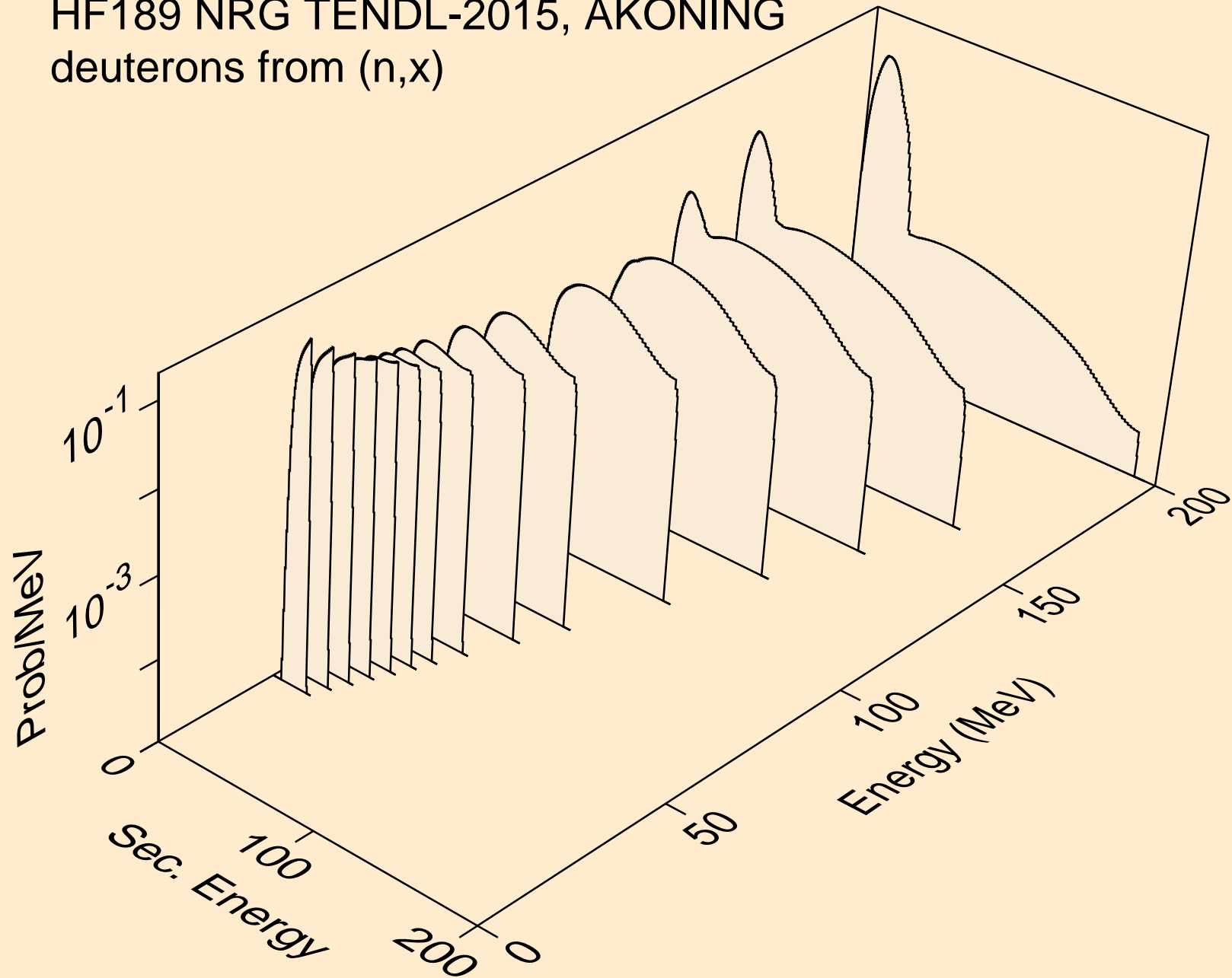
HF189 NRG TENDL-2015, AKONING  
protons from (n,p)



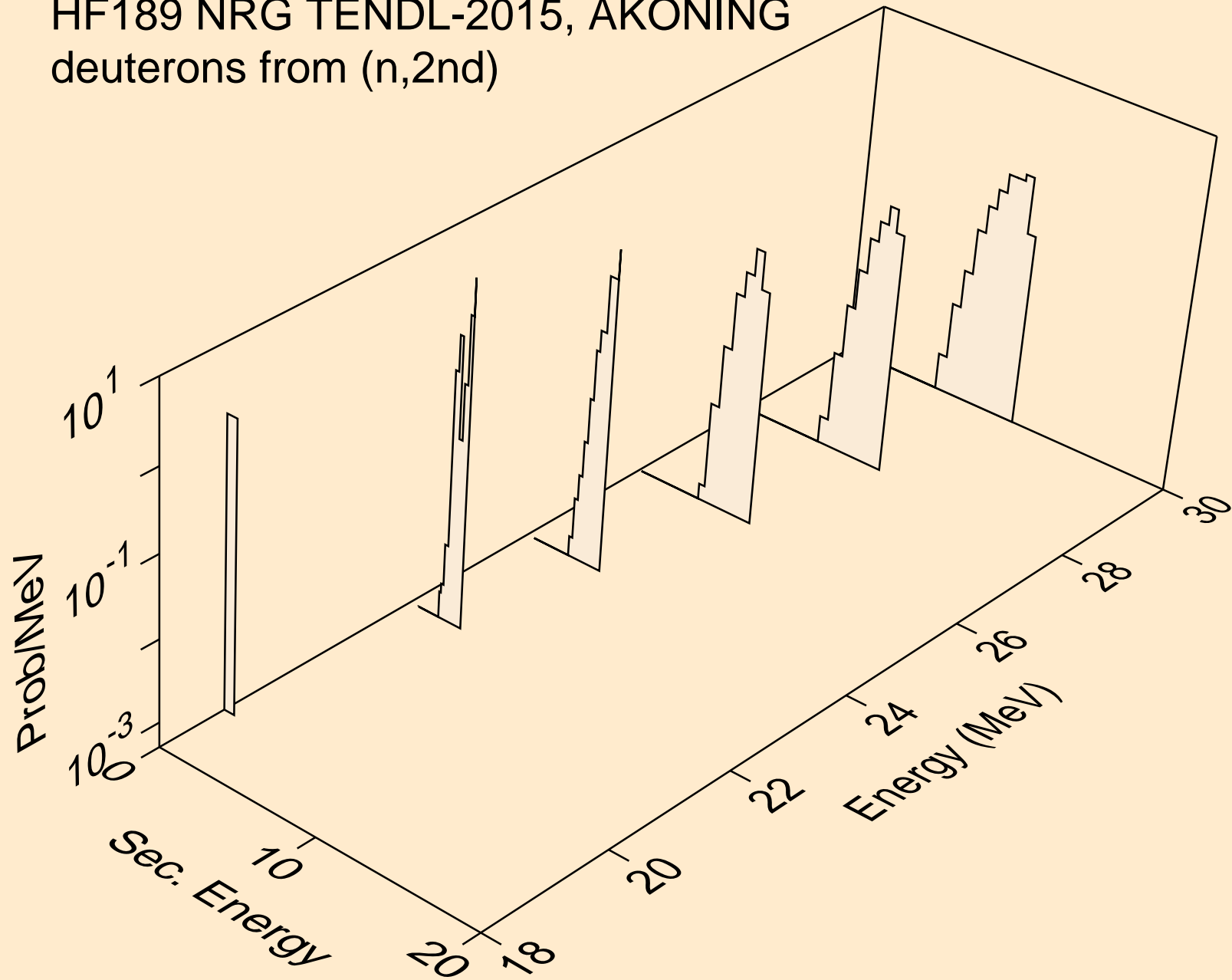
HF189 NRG TENDL-2015, AKONING  
protons from (n,2p)



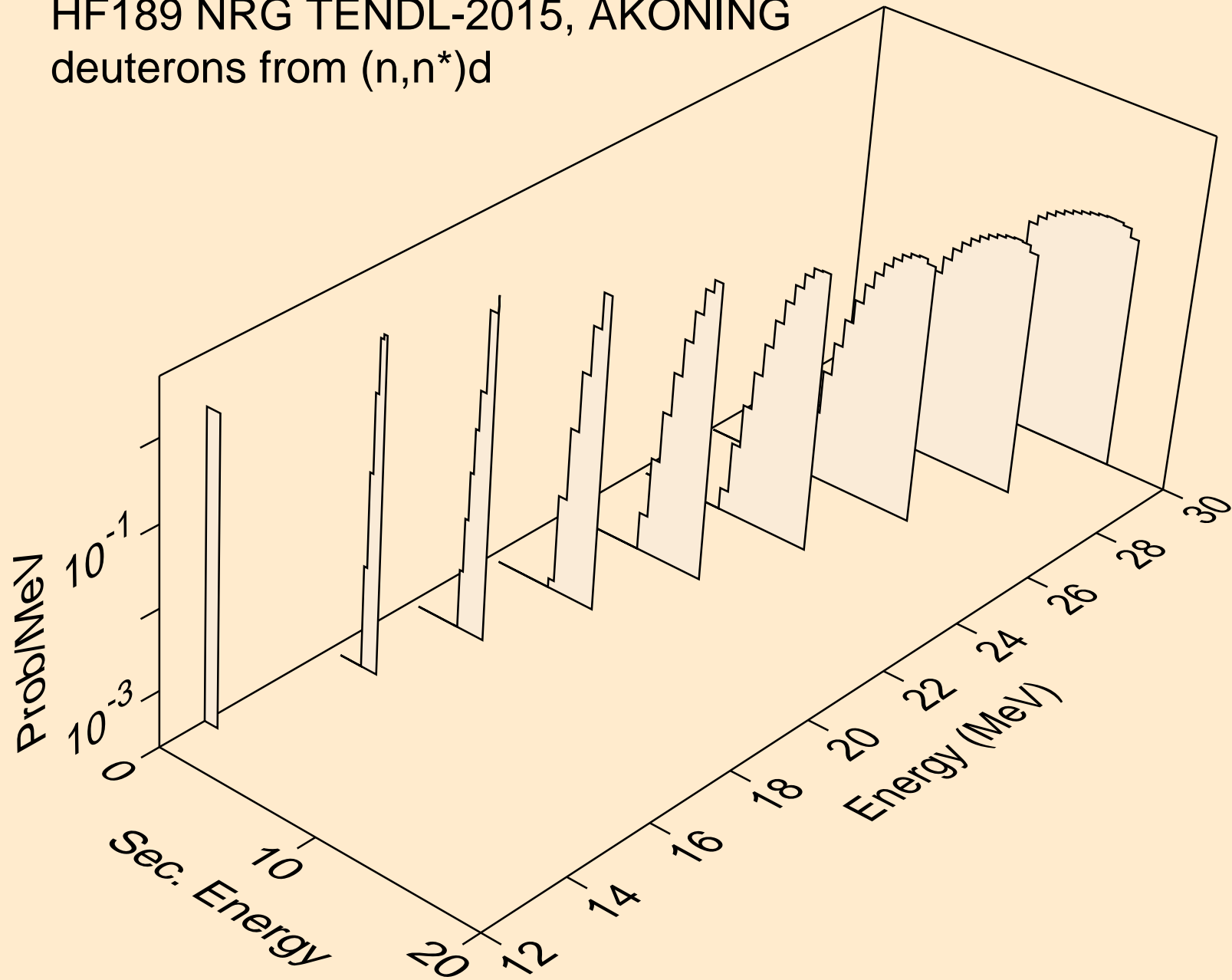
HF189 NRG TENDL-2015, AKONING  
deuterons from (n,x)



HF189 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

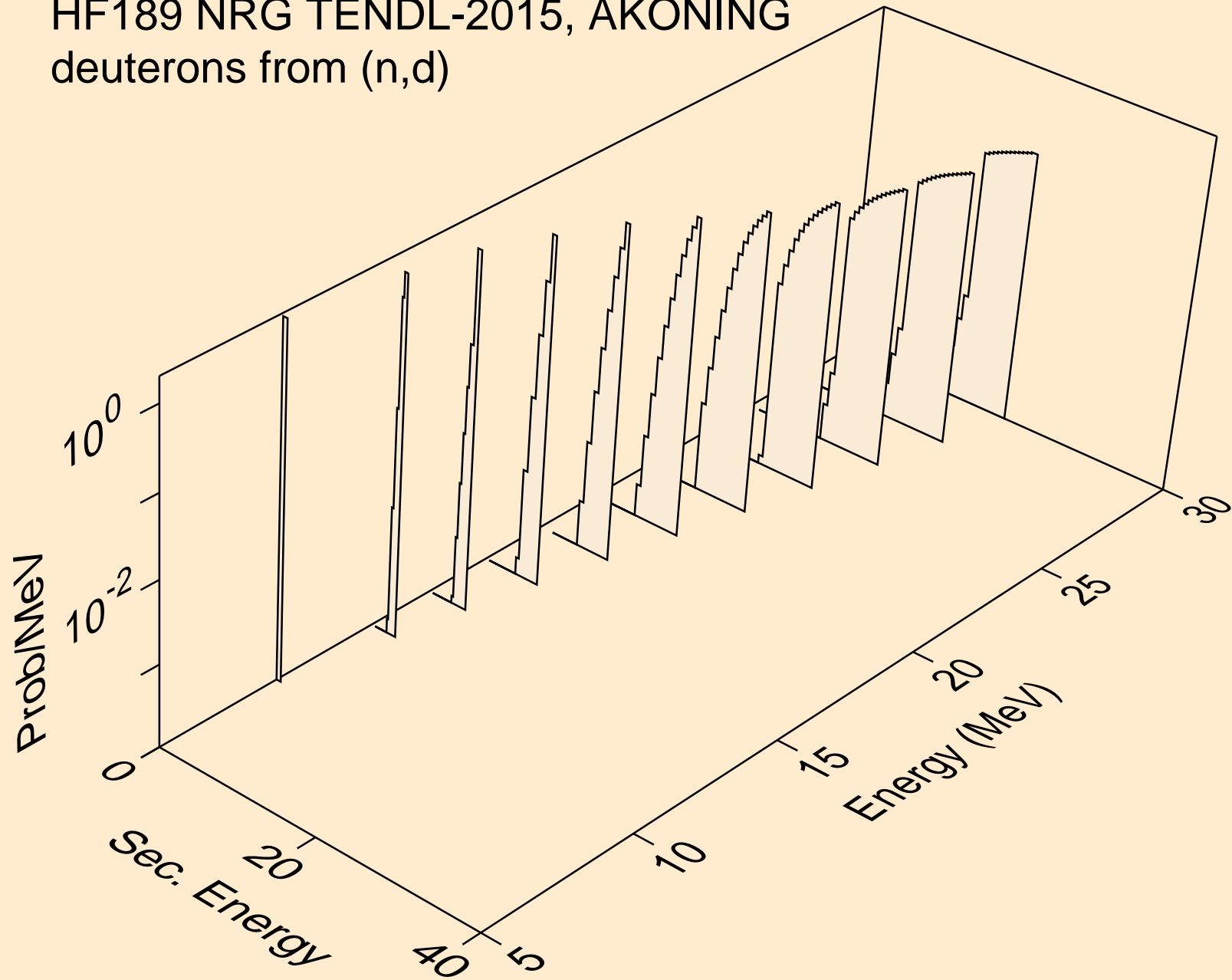


HF189 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

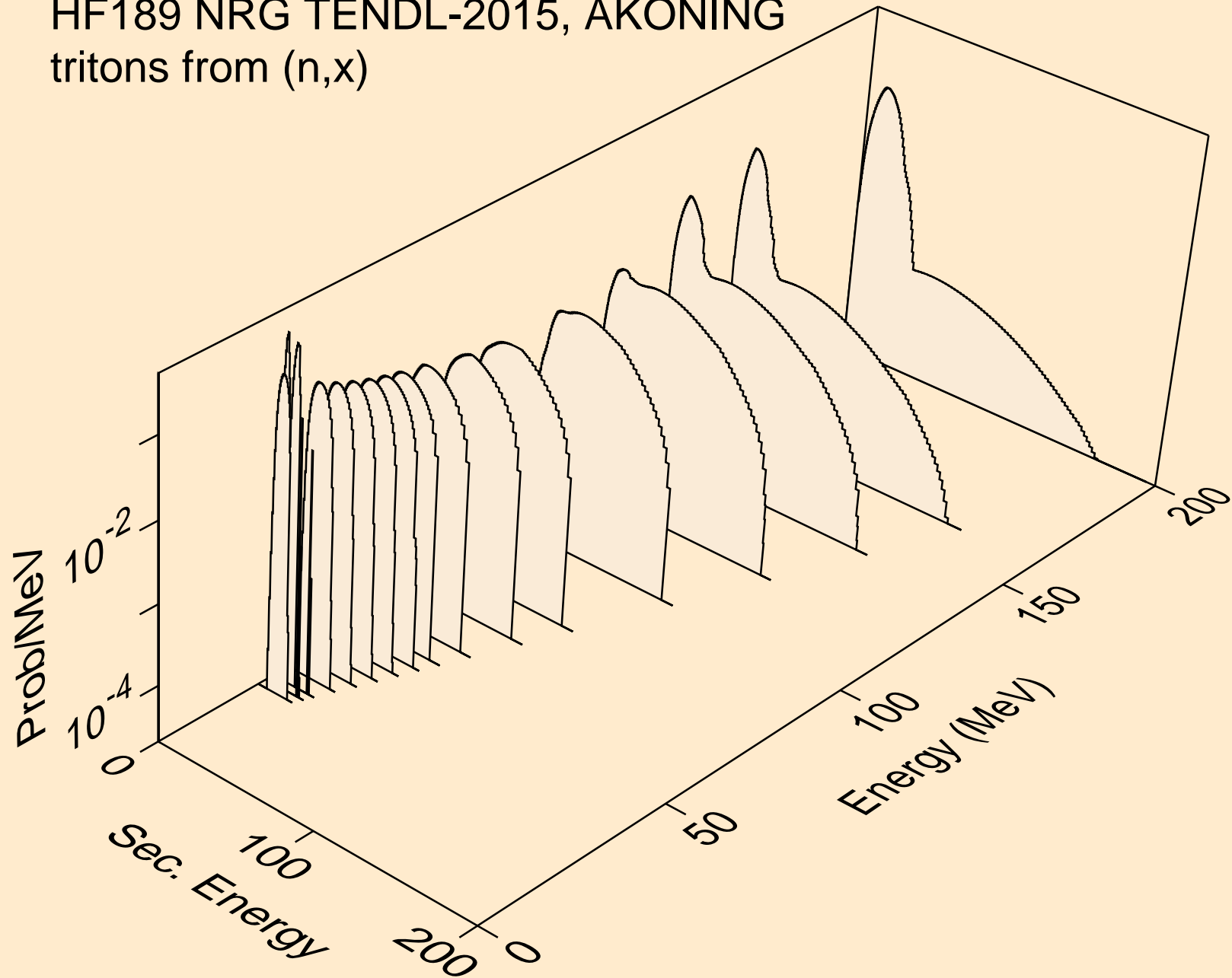




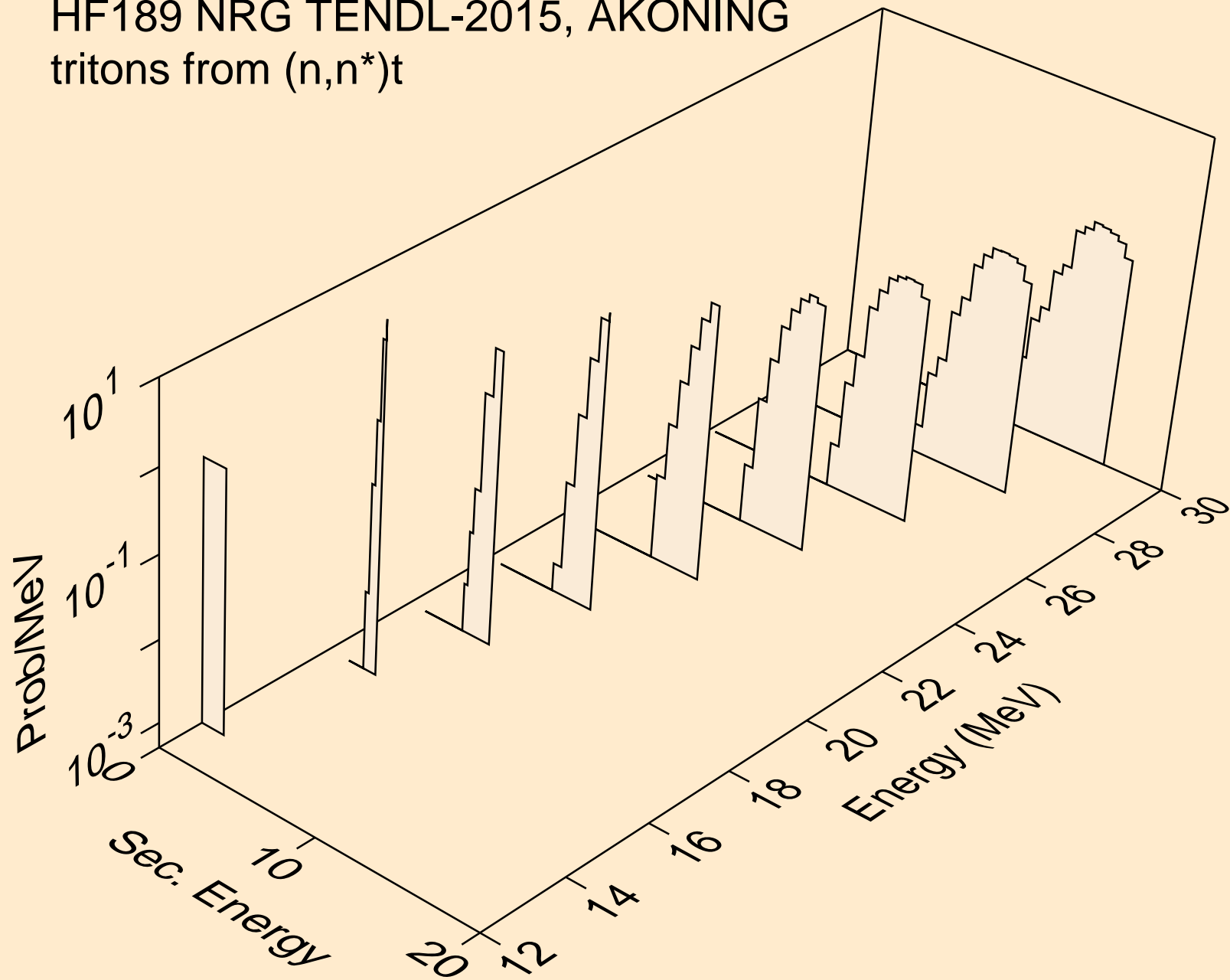
HF189 NRG TENDL-2015, AKONING  
deuterons from (n,d)



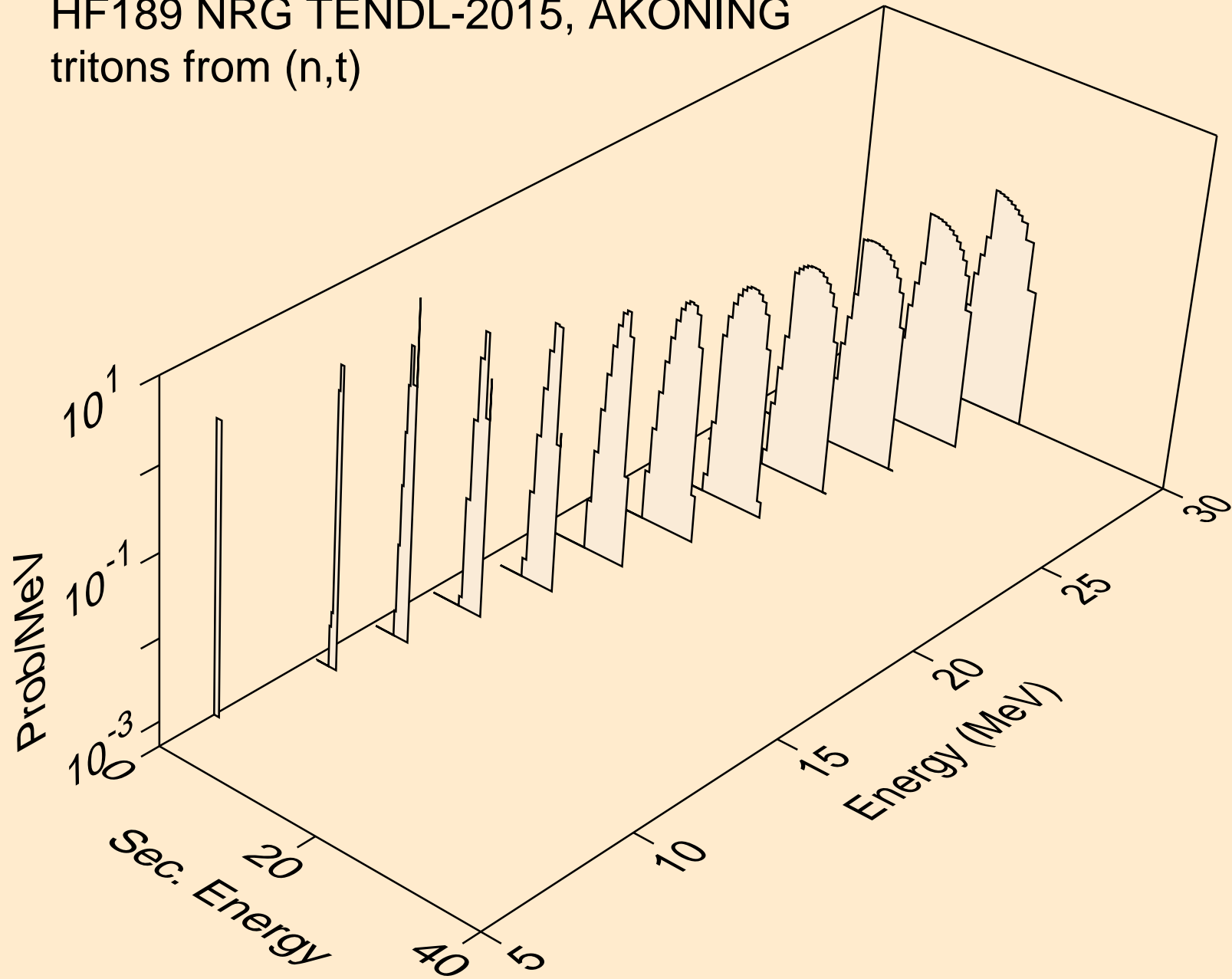
HF189 NRG TENDL-2015, AKONING  
tritons from (n,x)



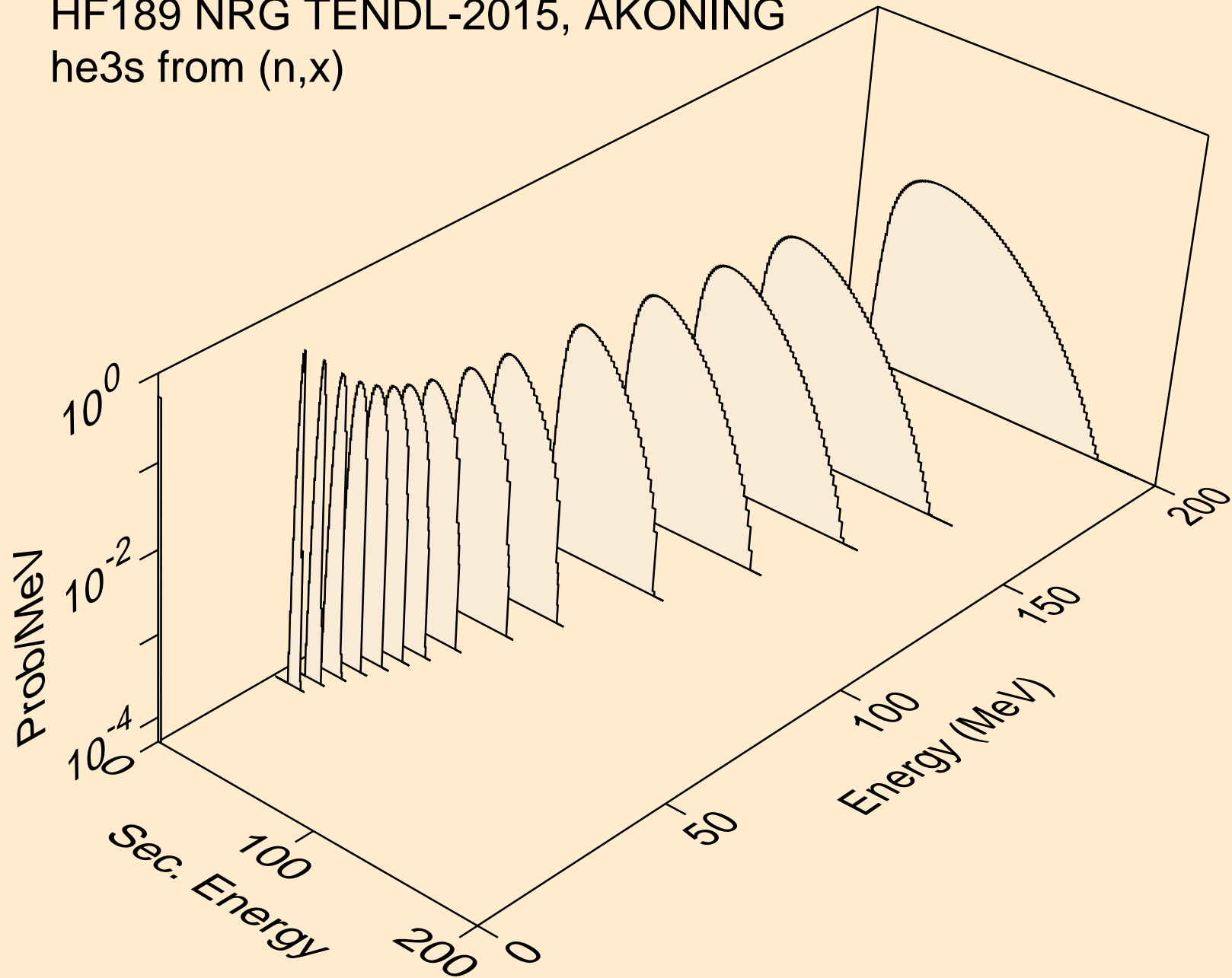
HF189 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



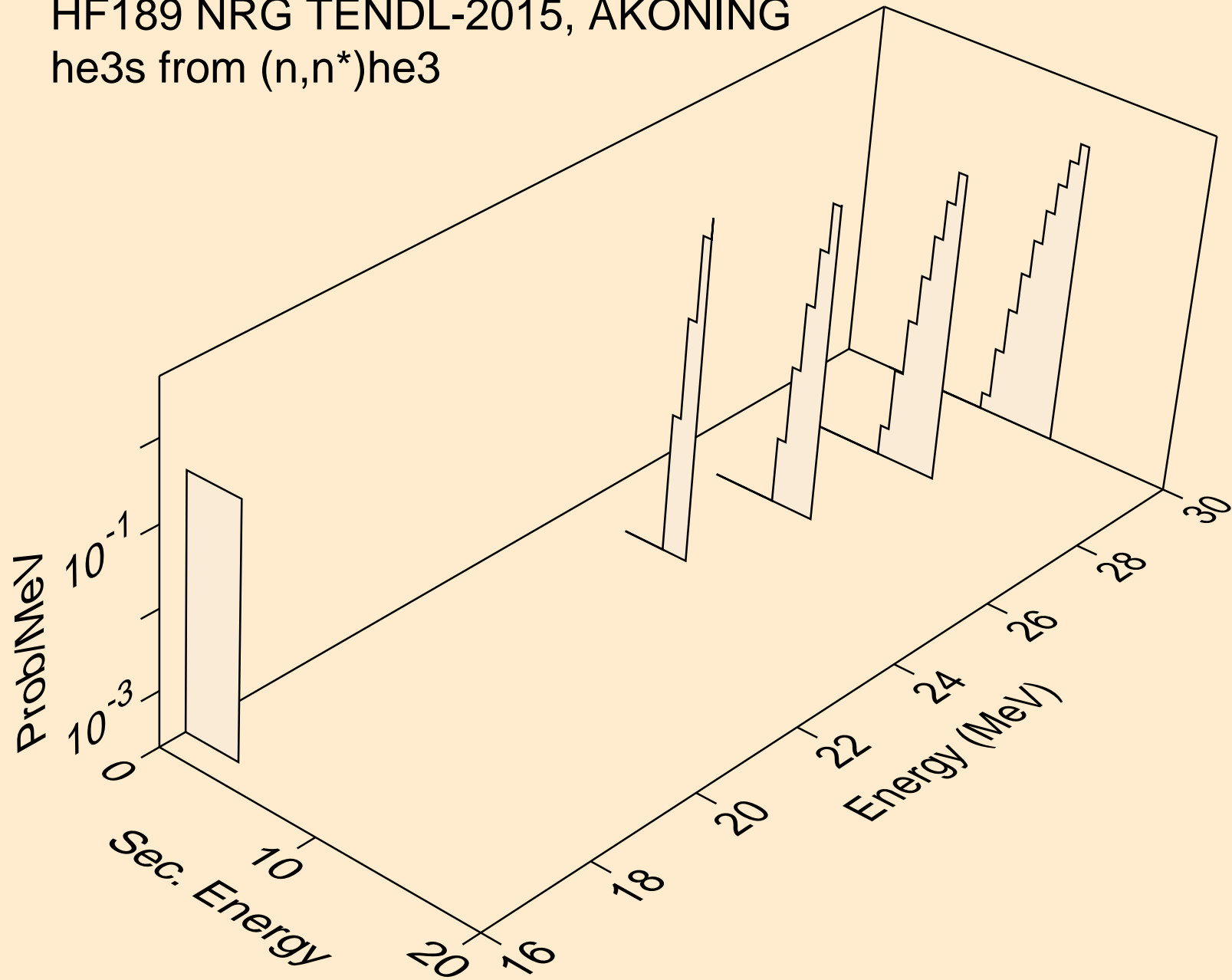
HF189 NRG TENDL-2015, AKONING  
tritons from (n,t)



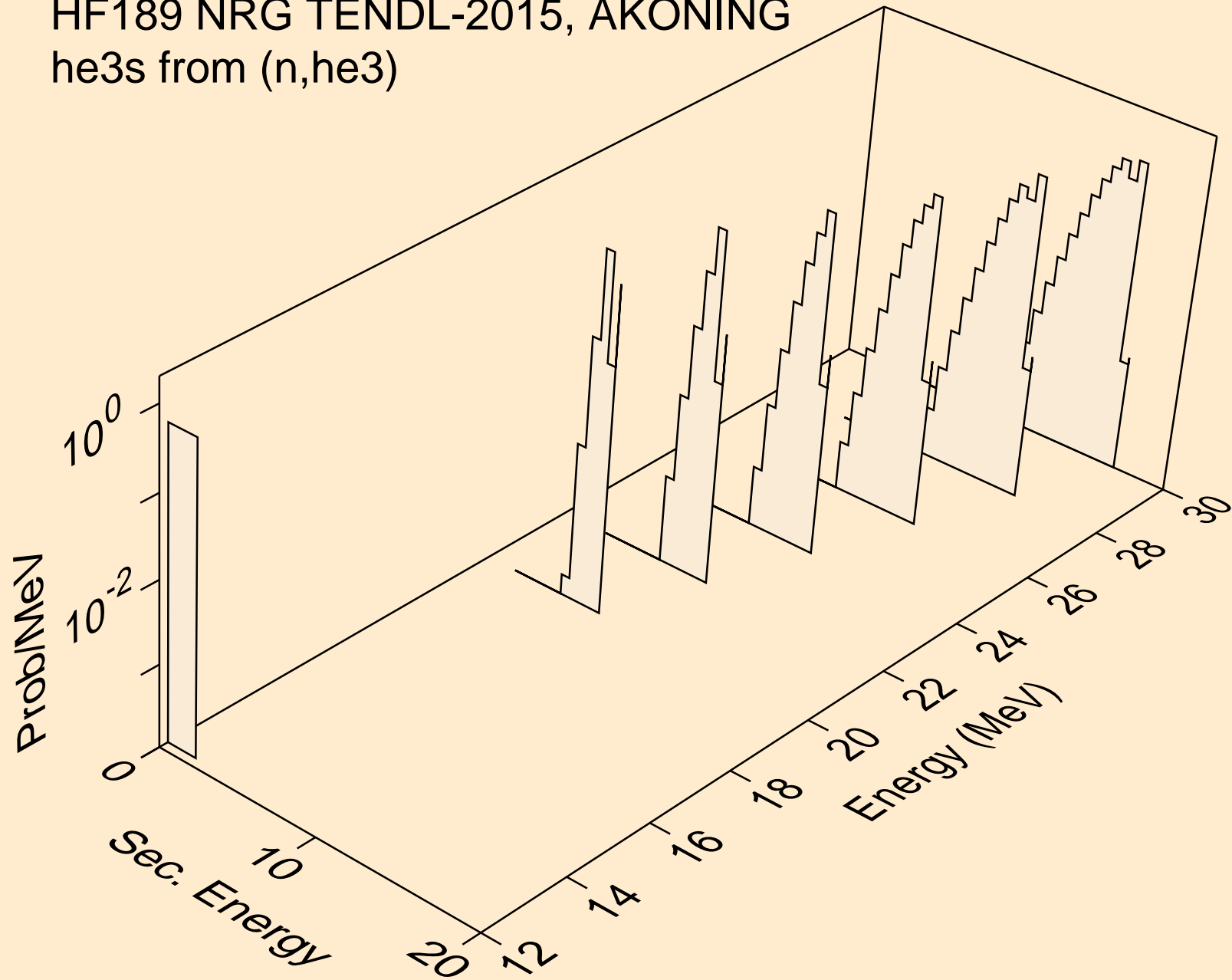
HF189 NRG TENDL-2015, AKONING  
he3s from (n,x)



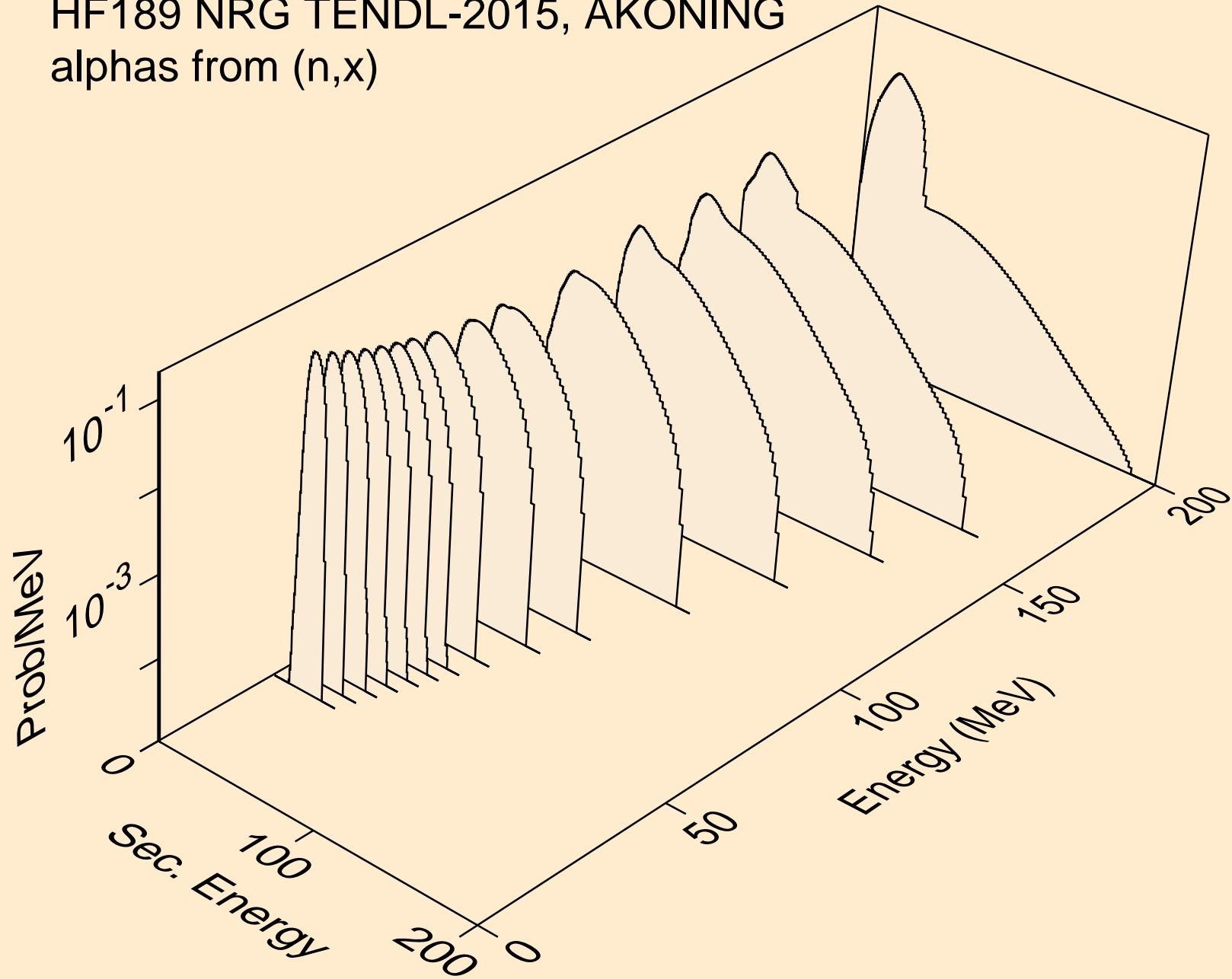
HF189 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



HF189 NRG TENDL-2015, AKONING  
he3s from (n,he3)

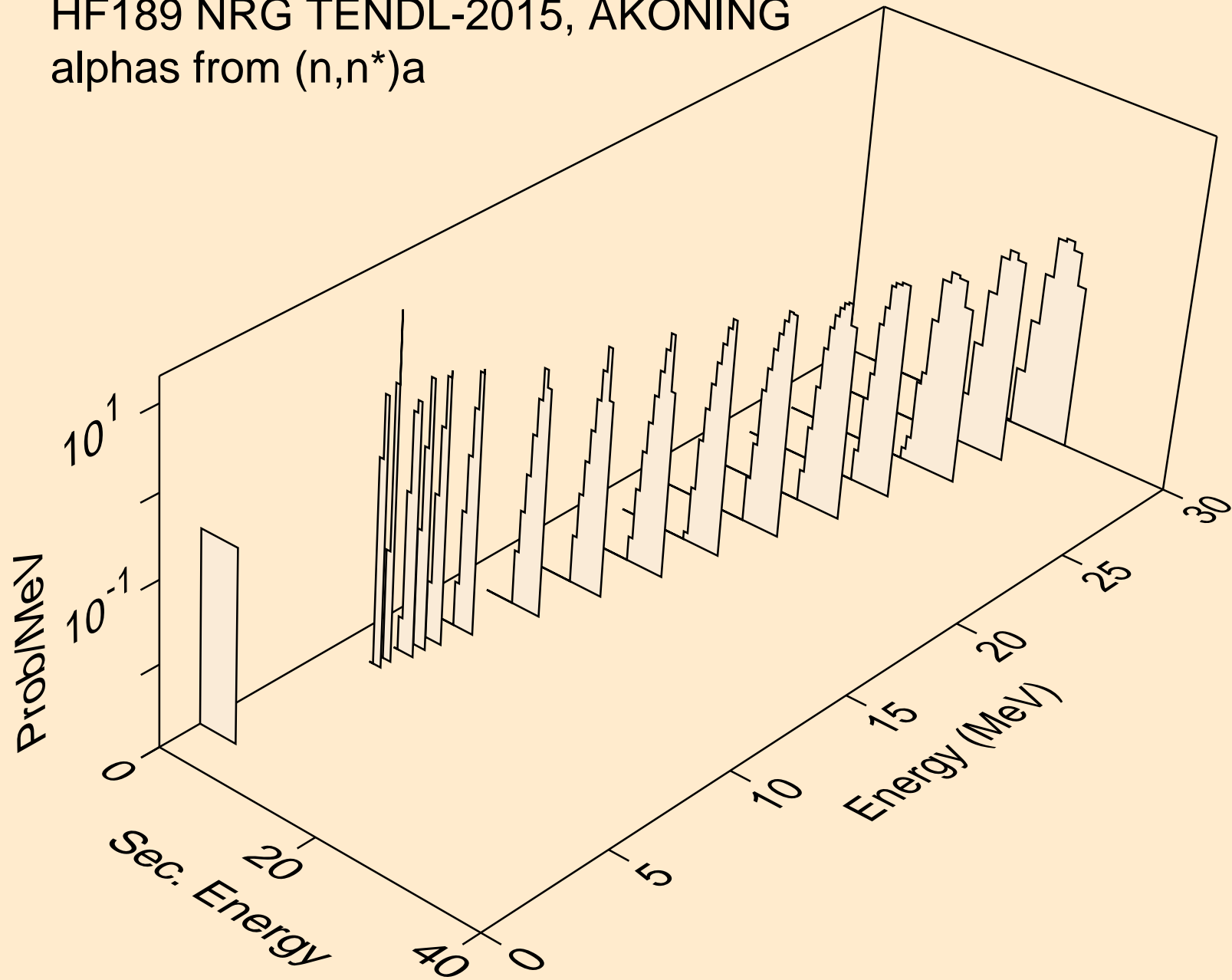


HF189 NRG TENDL-2015, AKONING  
alphas from (n,x)

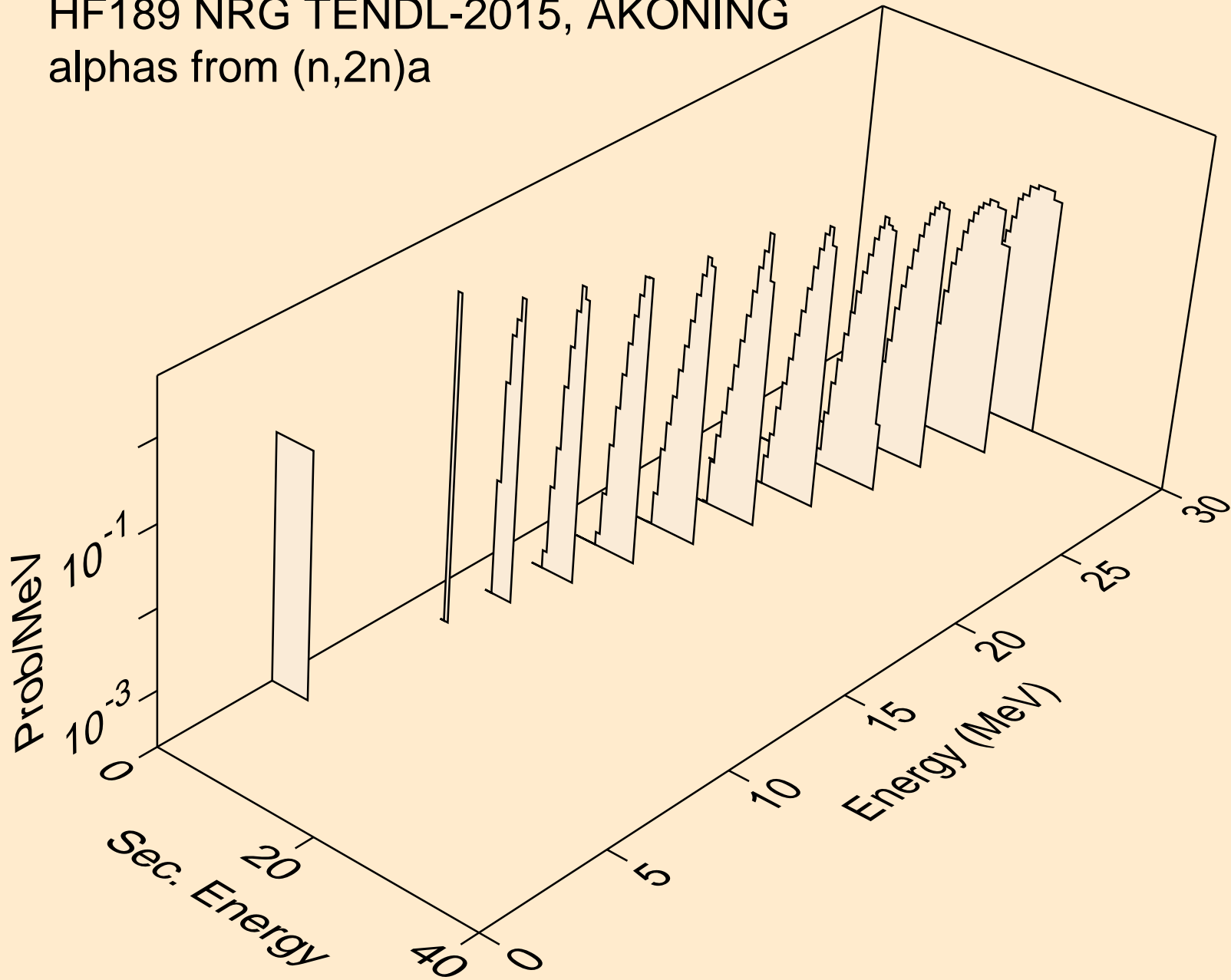




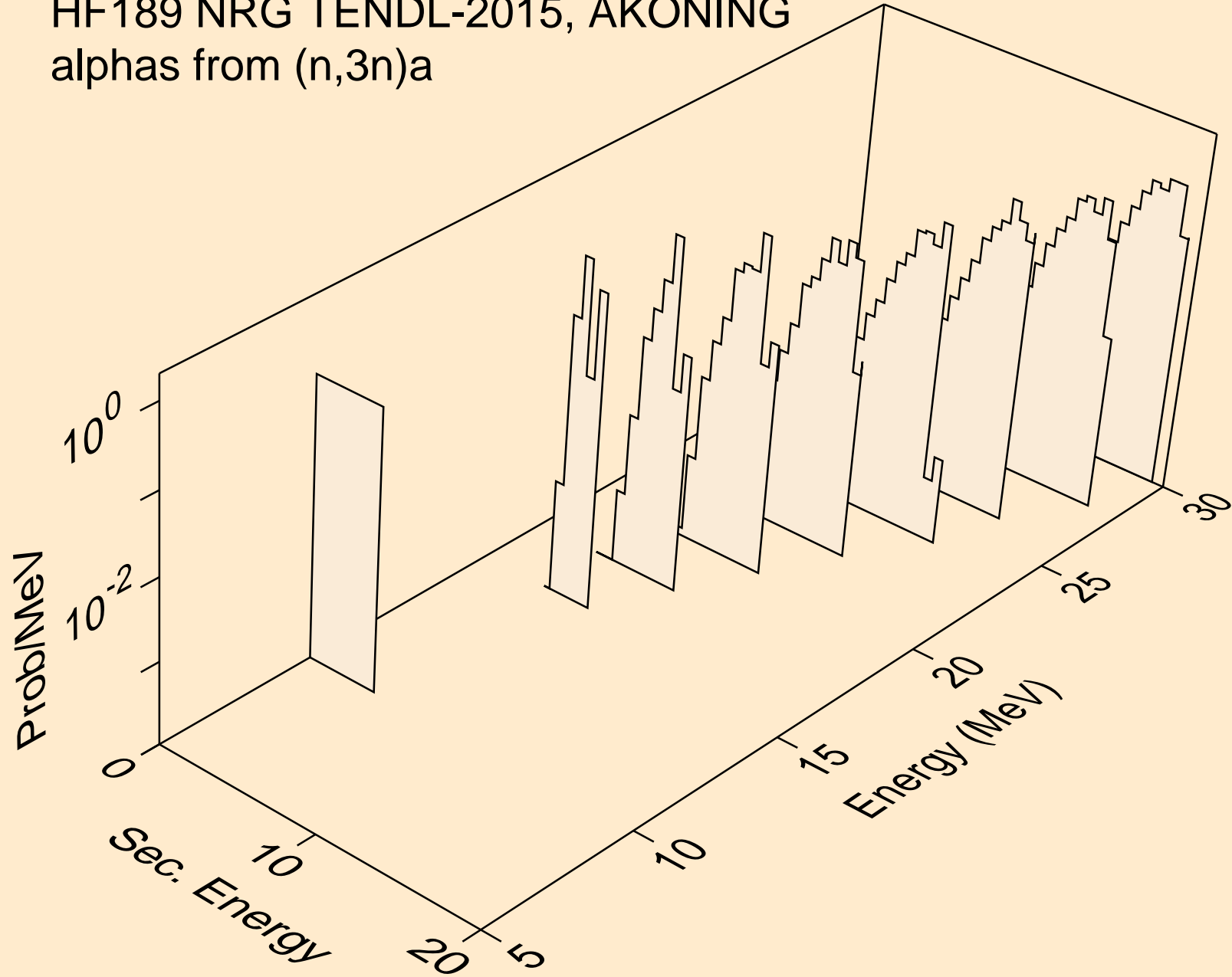
HF189 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



HF189 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



HF189 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



HF189 NRG TENDL-2015, AKONING  
alphas from (n,a)

