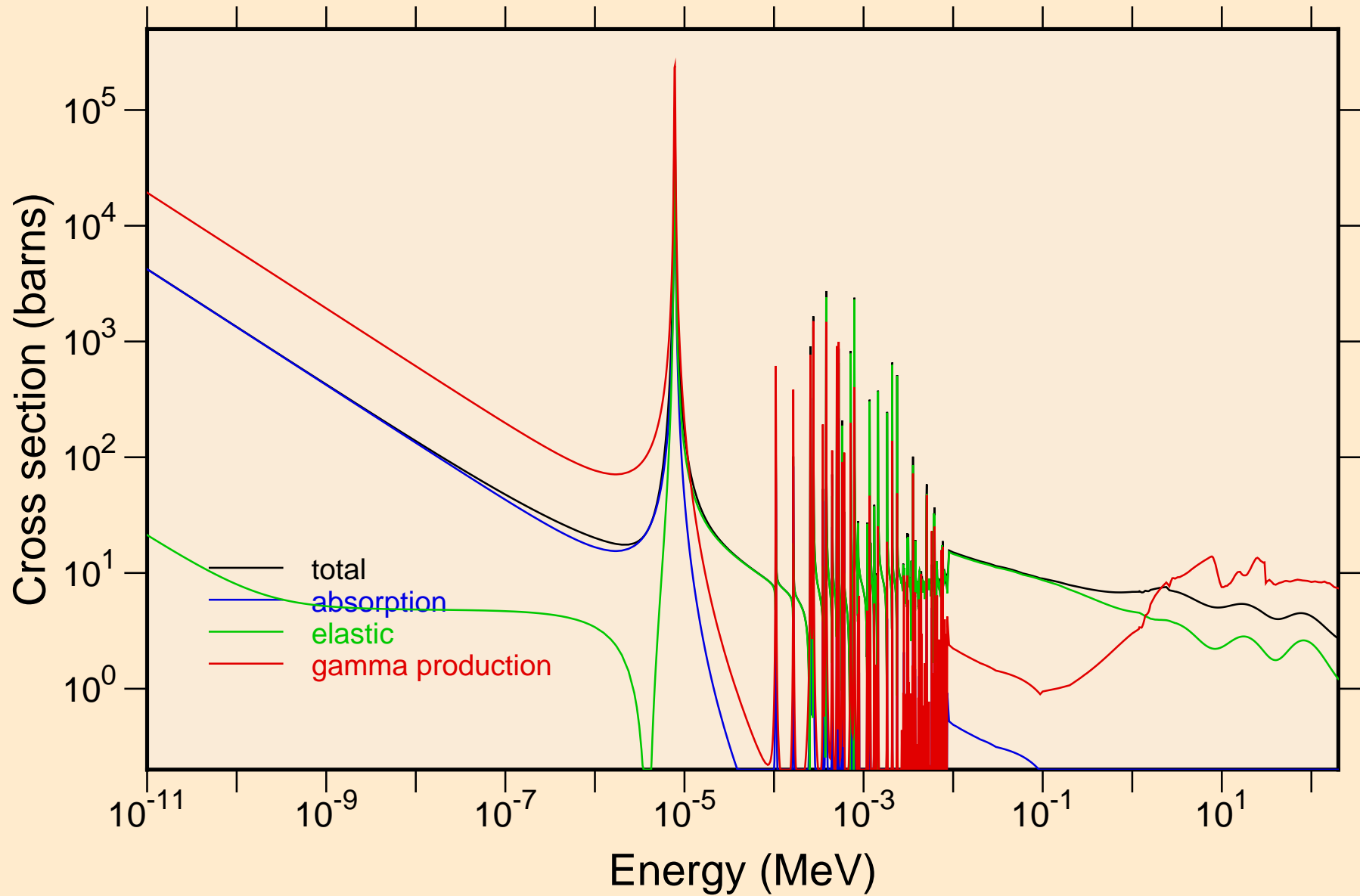
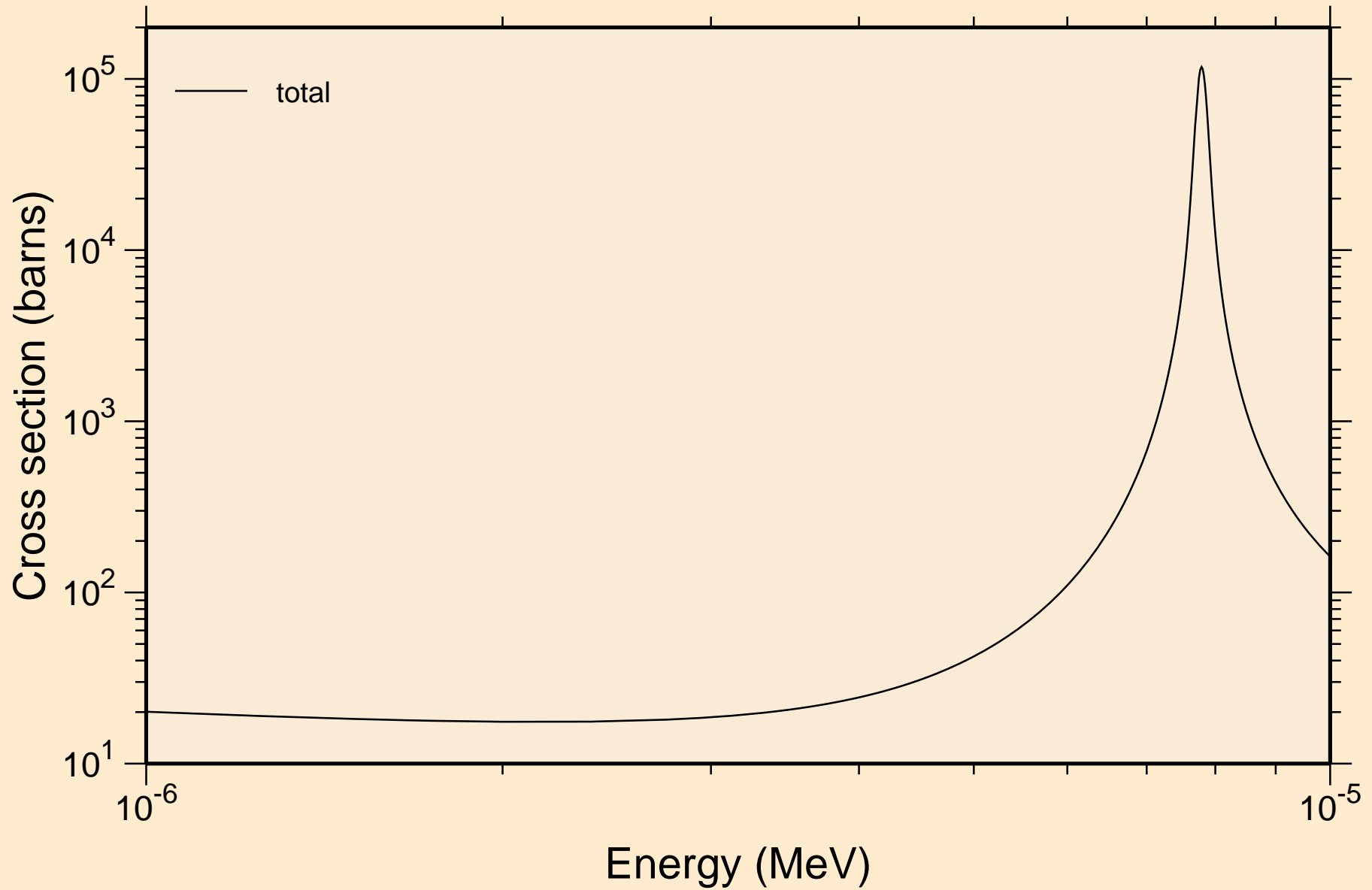


# HF178 NRG TENDL-2015, AKONING

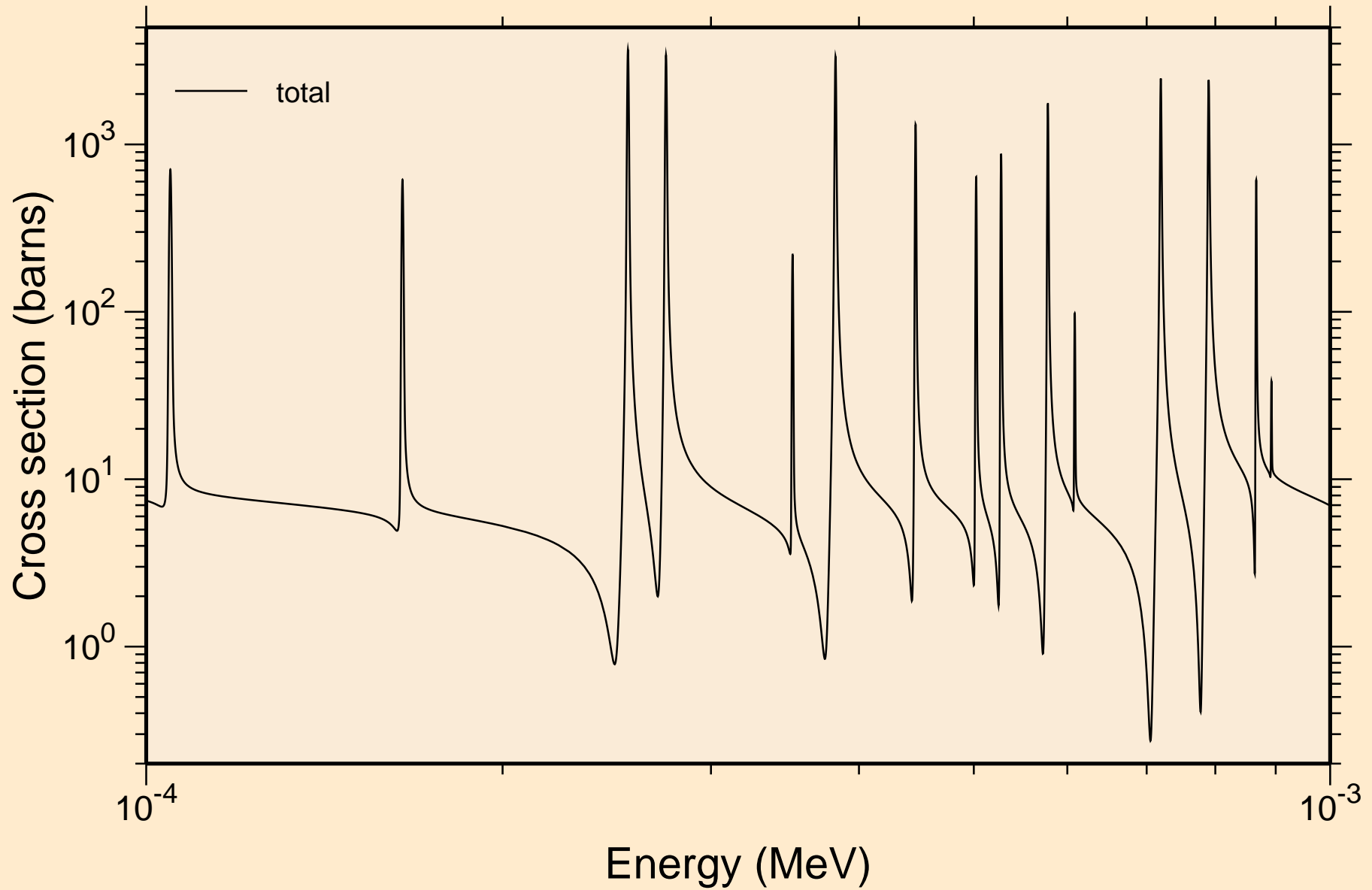
## Principal cross sections



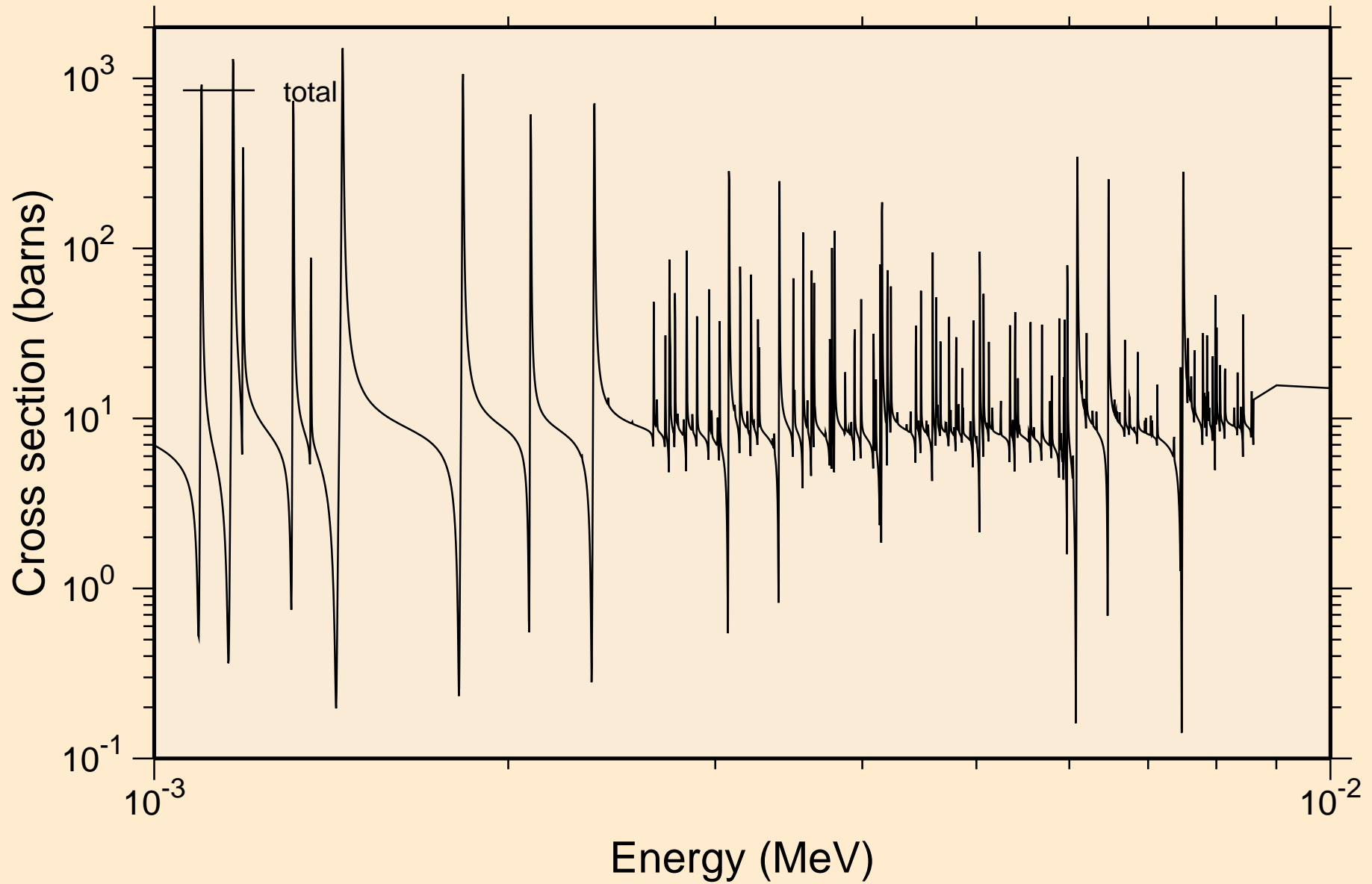
HF178 NRG TENDL-2015, AKONING  
resonance total cross section



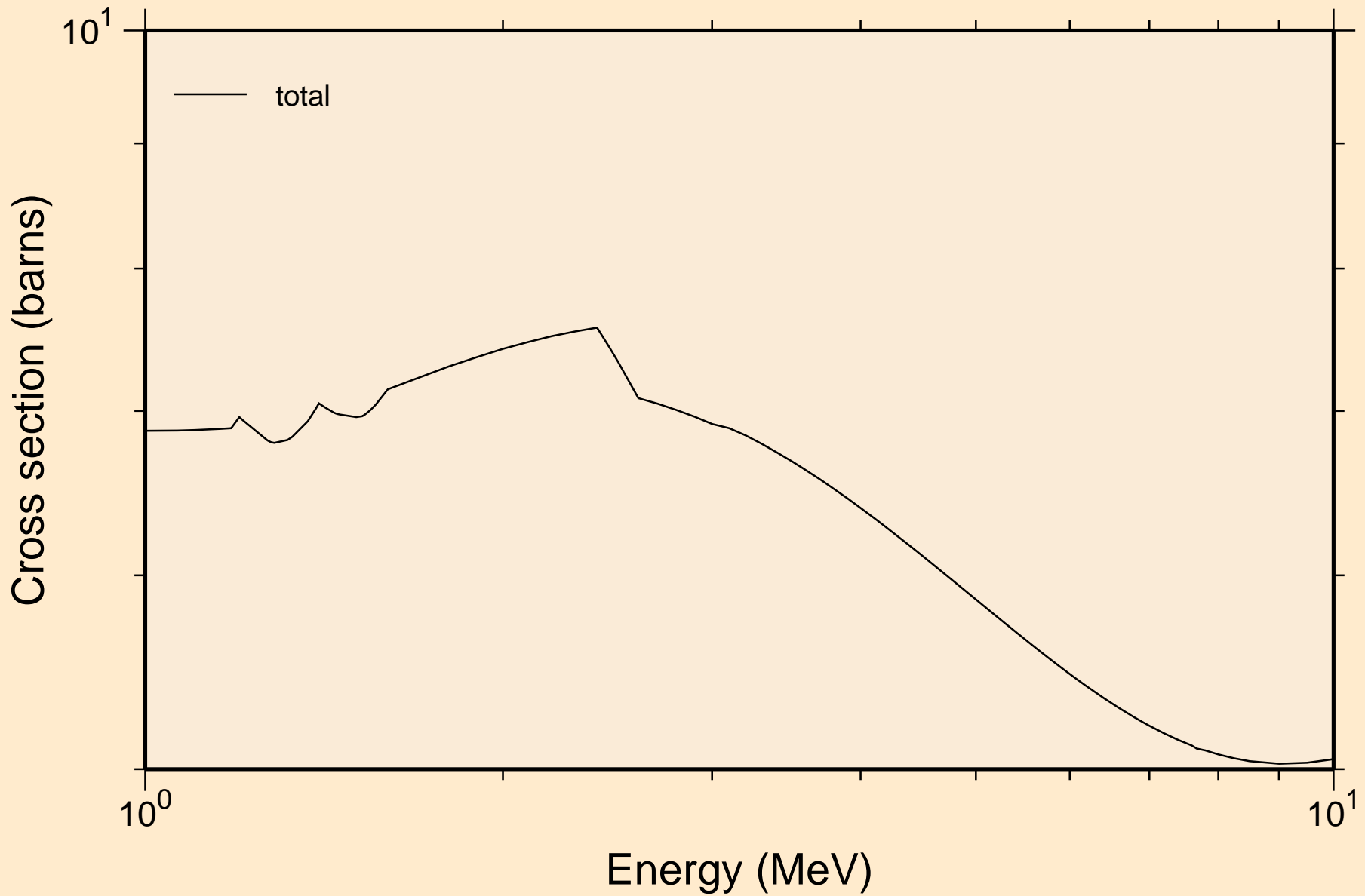
HF178 NRG TENDL-2015, AKONING  
resonance total cross section



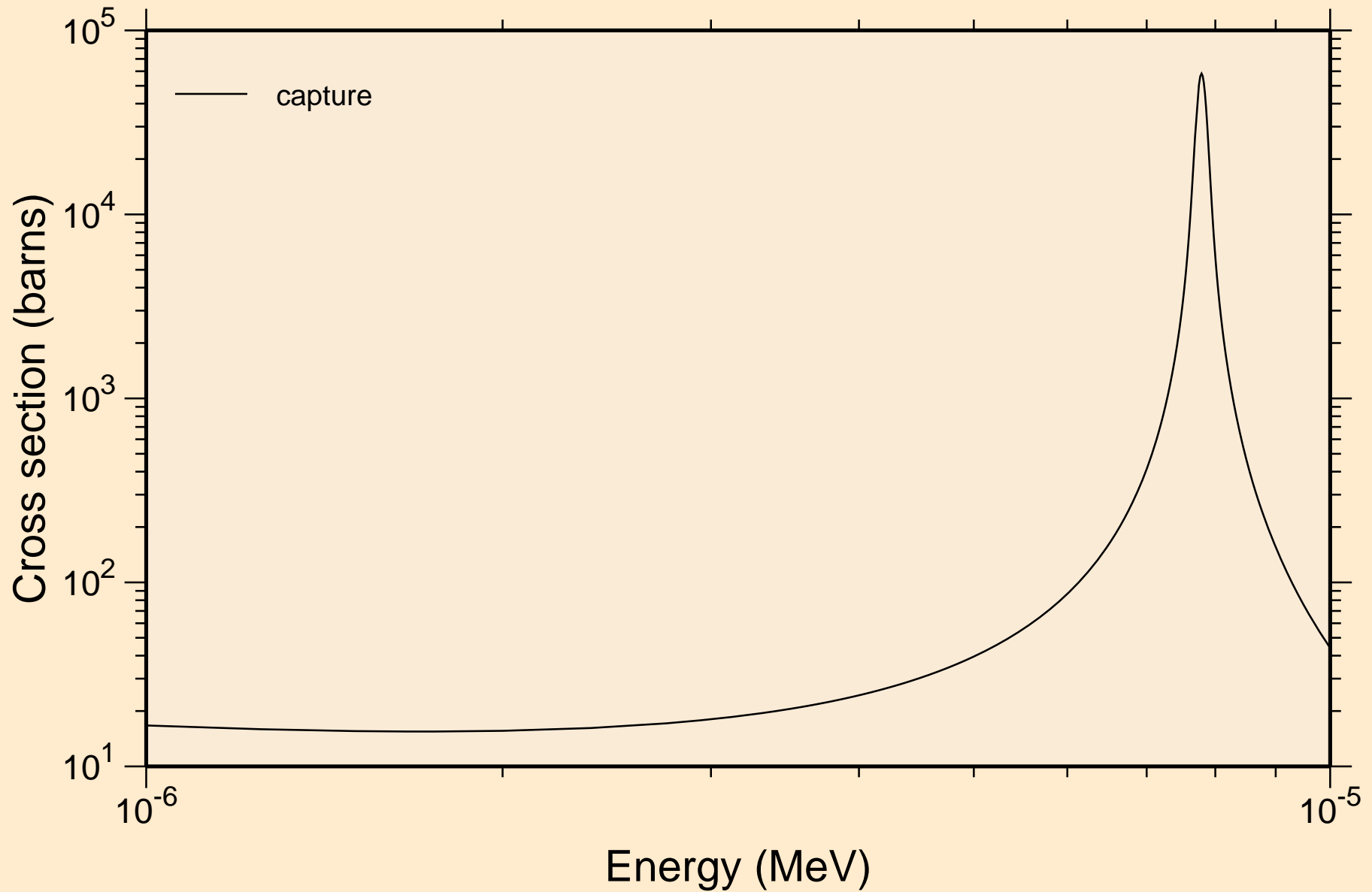
HF178 NRG TENDL-2015, AKONING  
resonance total cross section



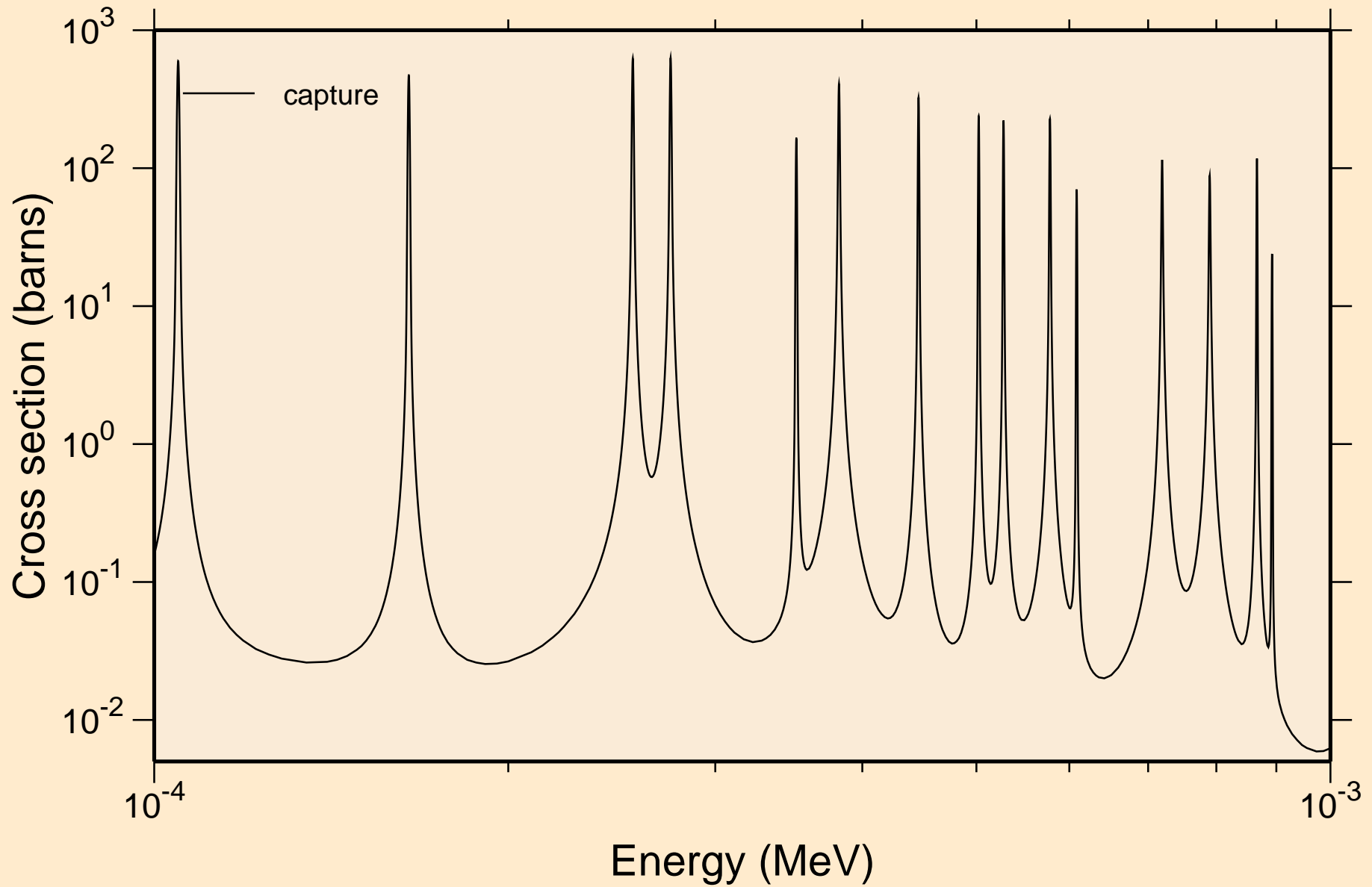
HF178 NRG TENDL-2015, AKONING  
resonance total cross section



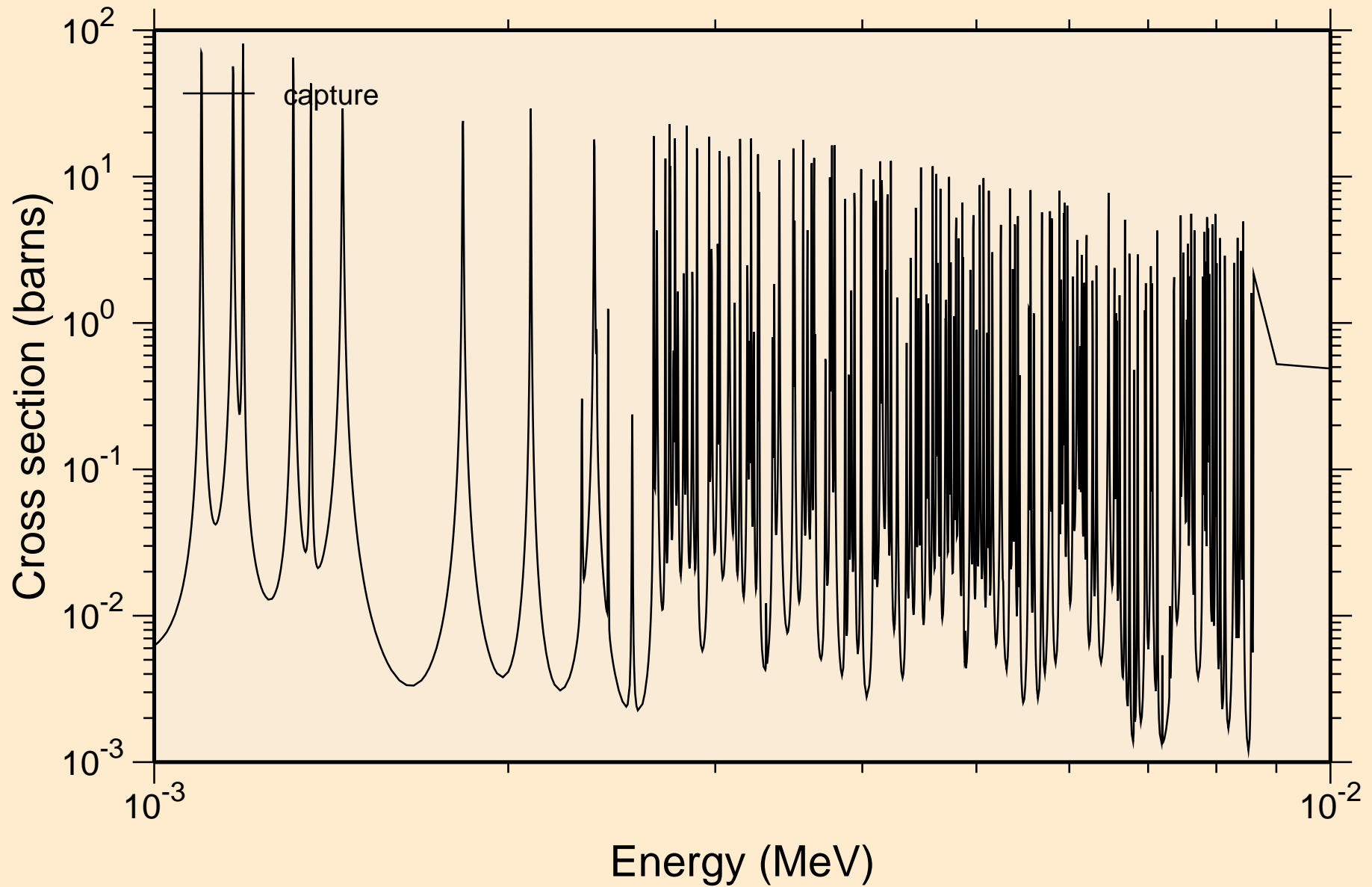
# HF178 NRG TENDL-2015, AKONING resonance absorption cross sections



# HF178 NRG TENDL-2015, AKONING resonance absorption cross sections

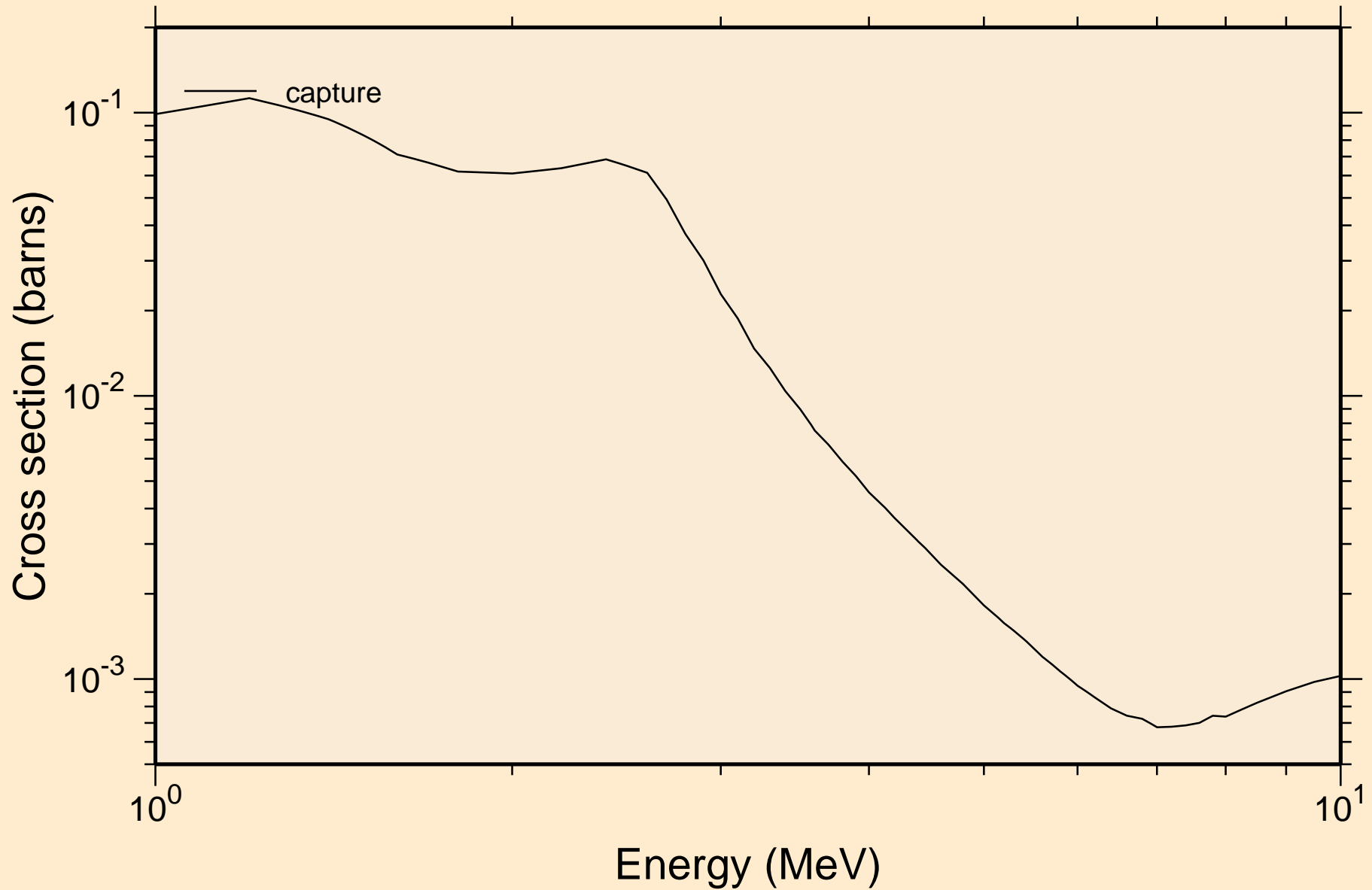


HF178 NRG TENDL-2015, AKONING  
resonance absorption cross sections



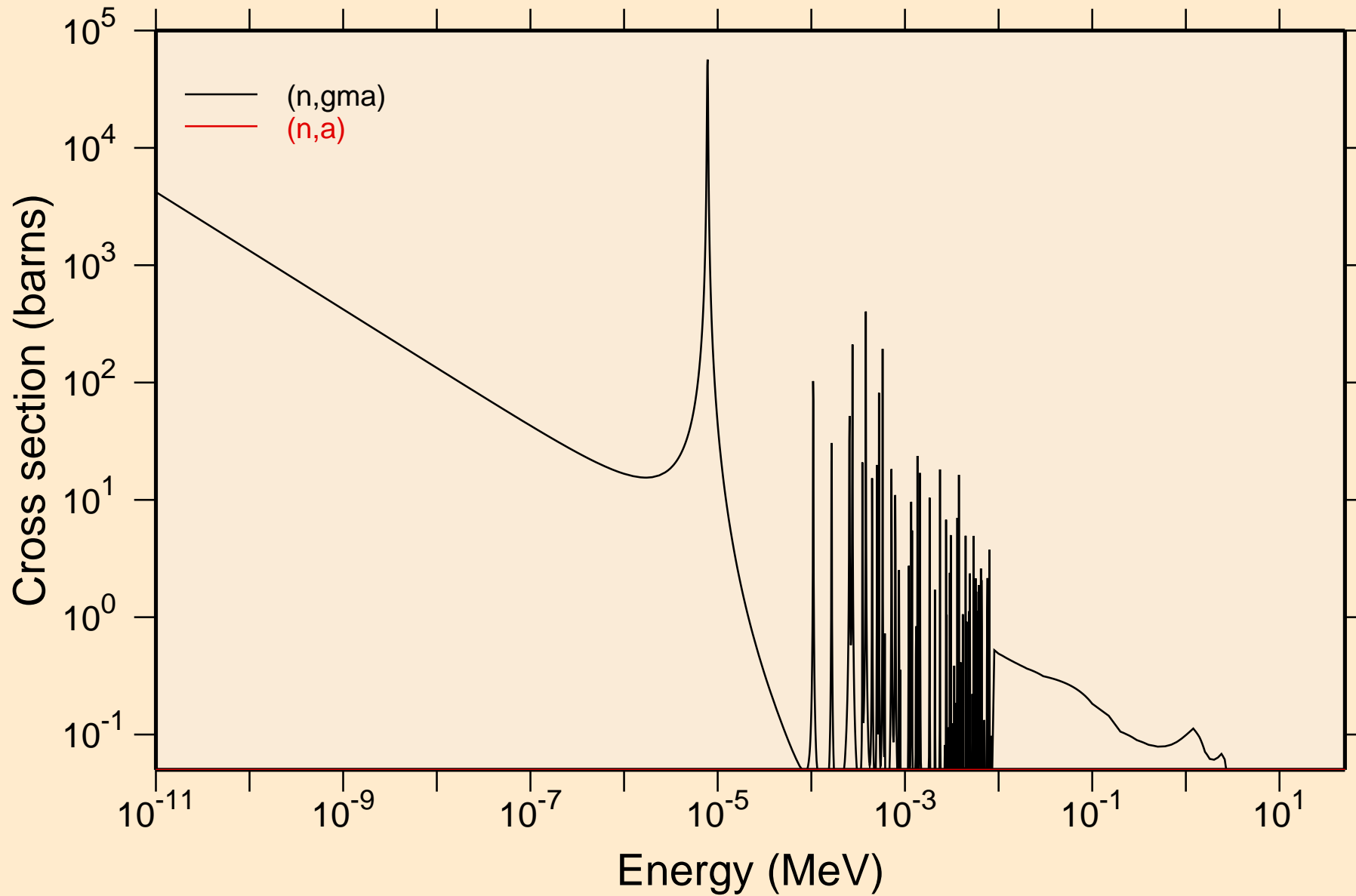


HF178 NRG TENDL-2015, AKONING  
resonance absorption cross sections



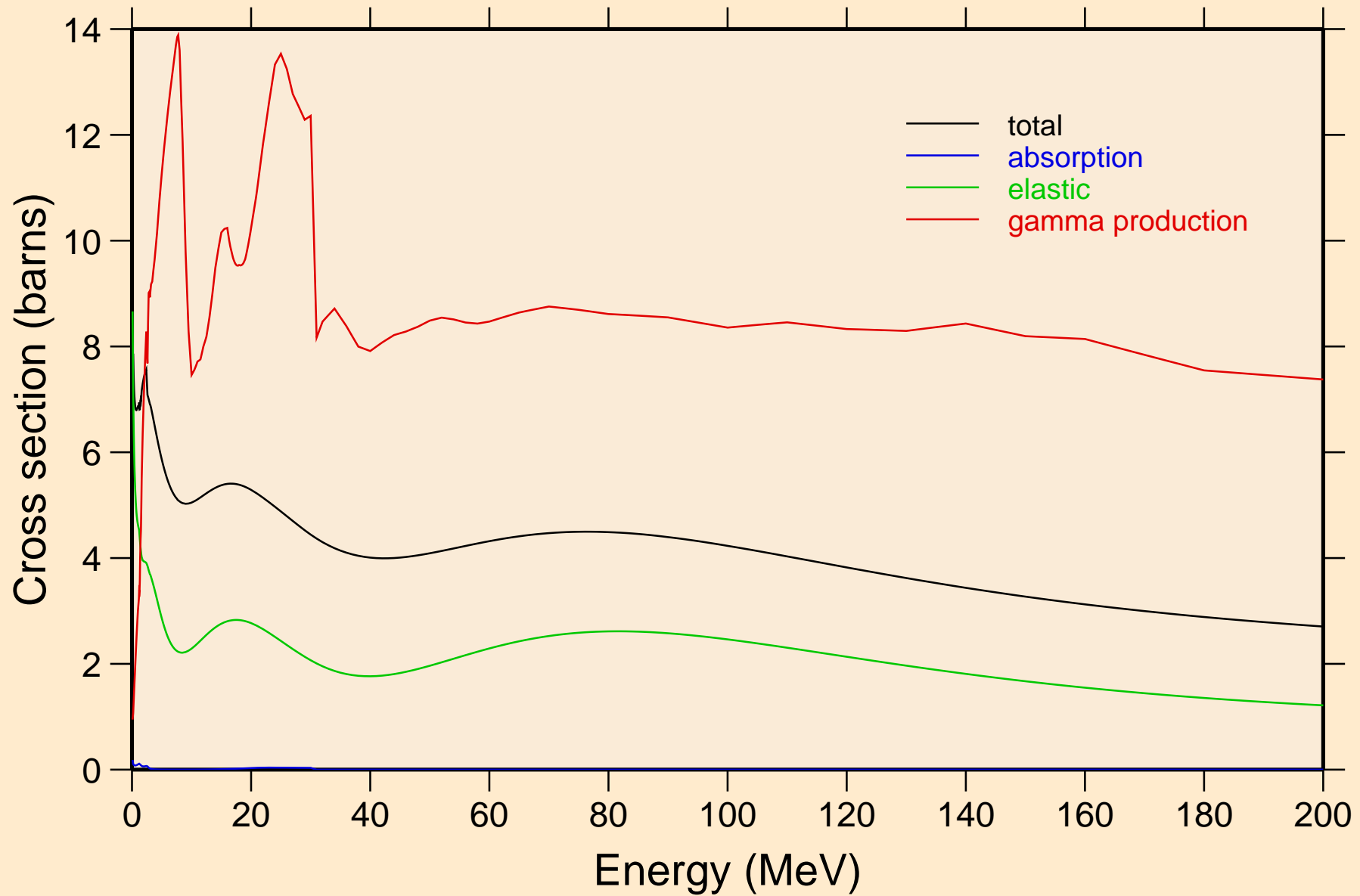
# HF178 NRG TENDL-2015, AKONING

## Non-threshold reactions



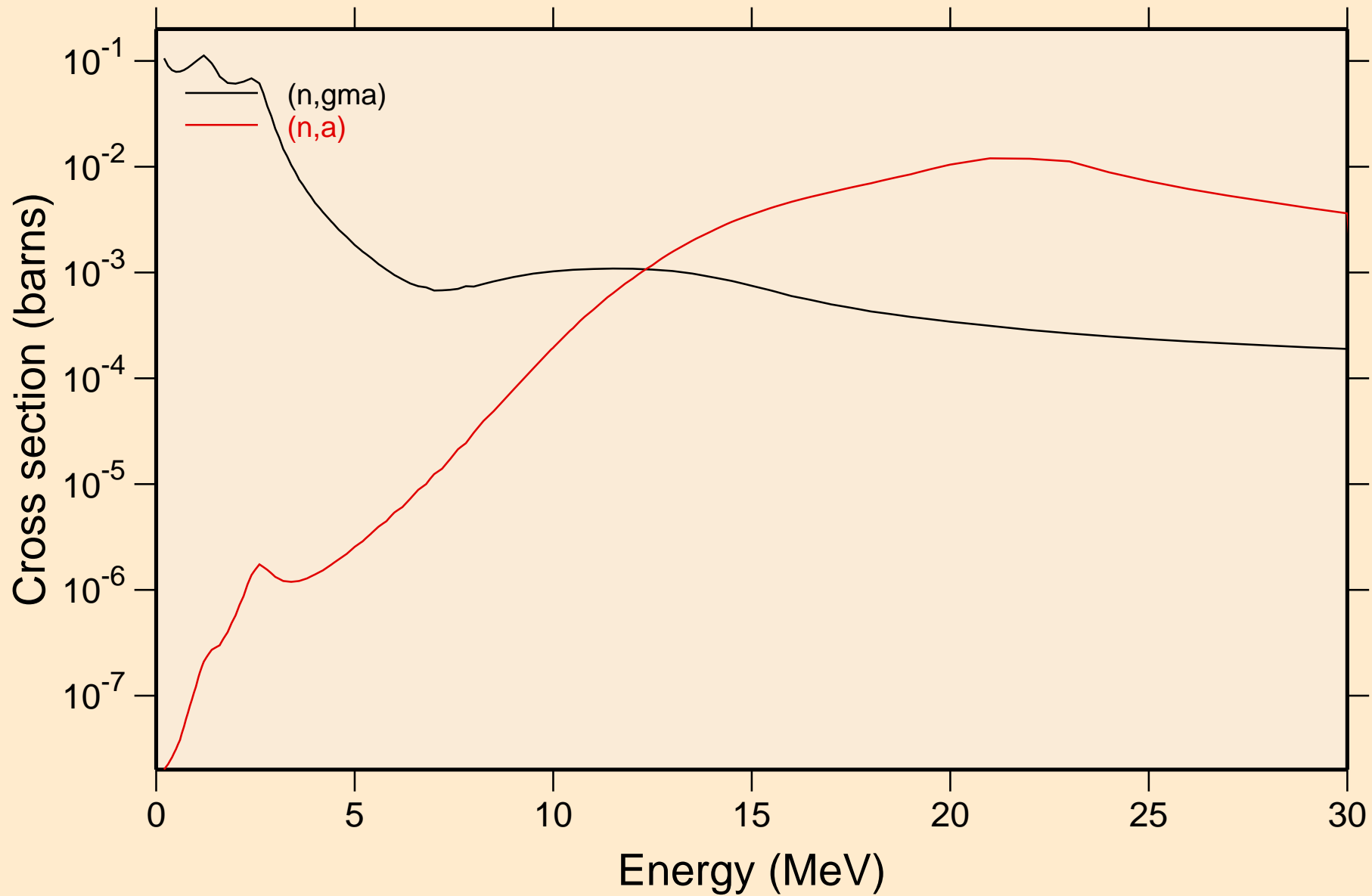
# HF178 NRG TENDL-2015, AKONING

## Principal cross sections



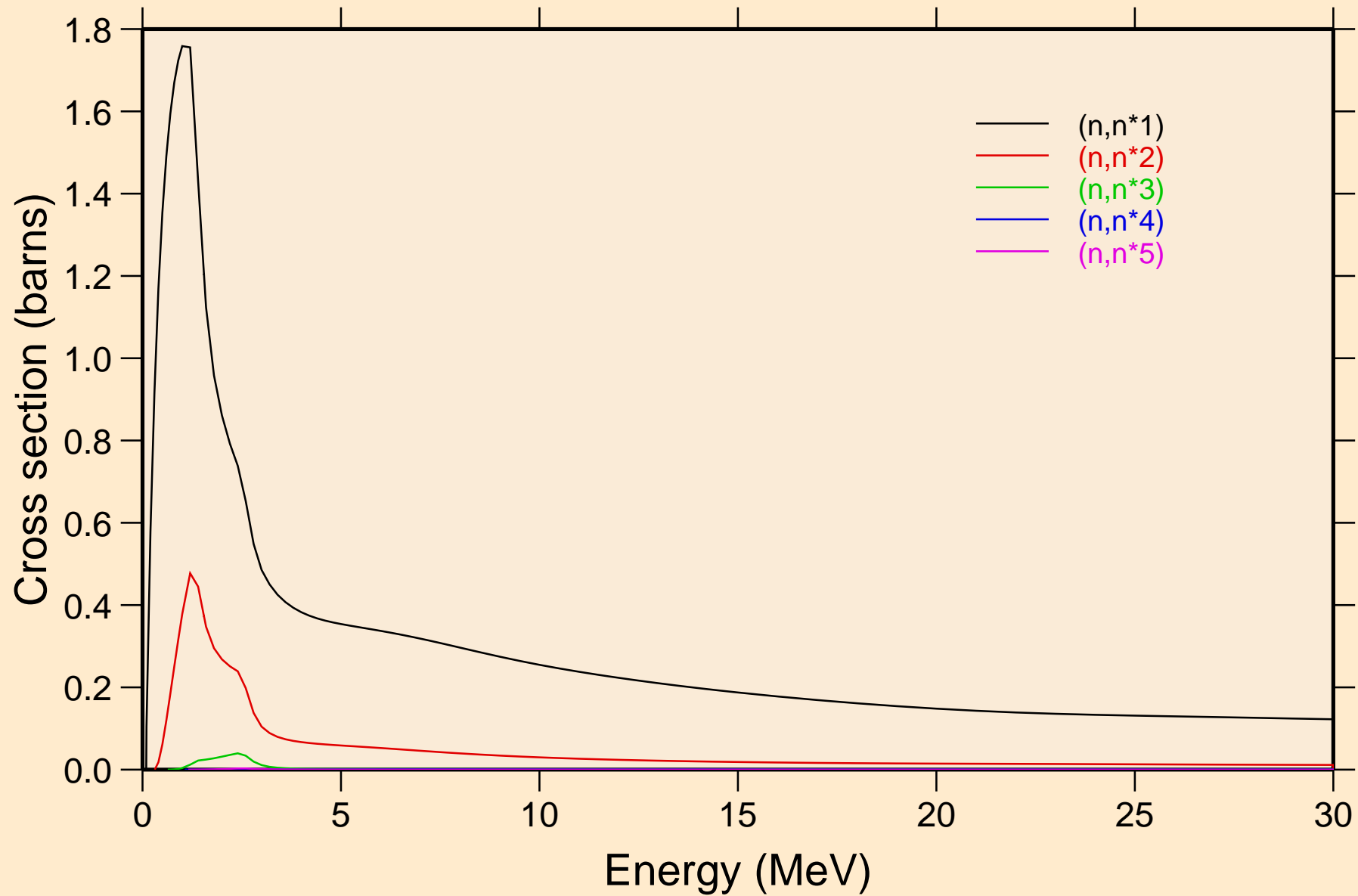
# HF178 NRG TENDL-2015, AKONING

## Non-threshold reactions



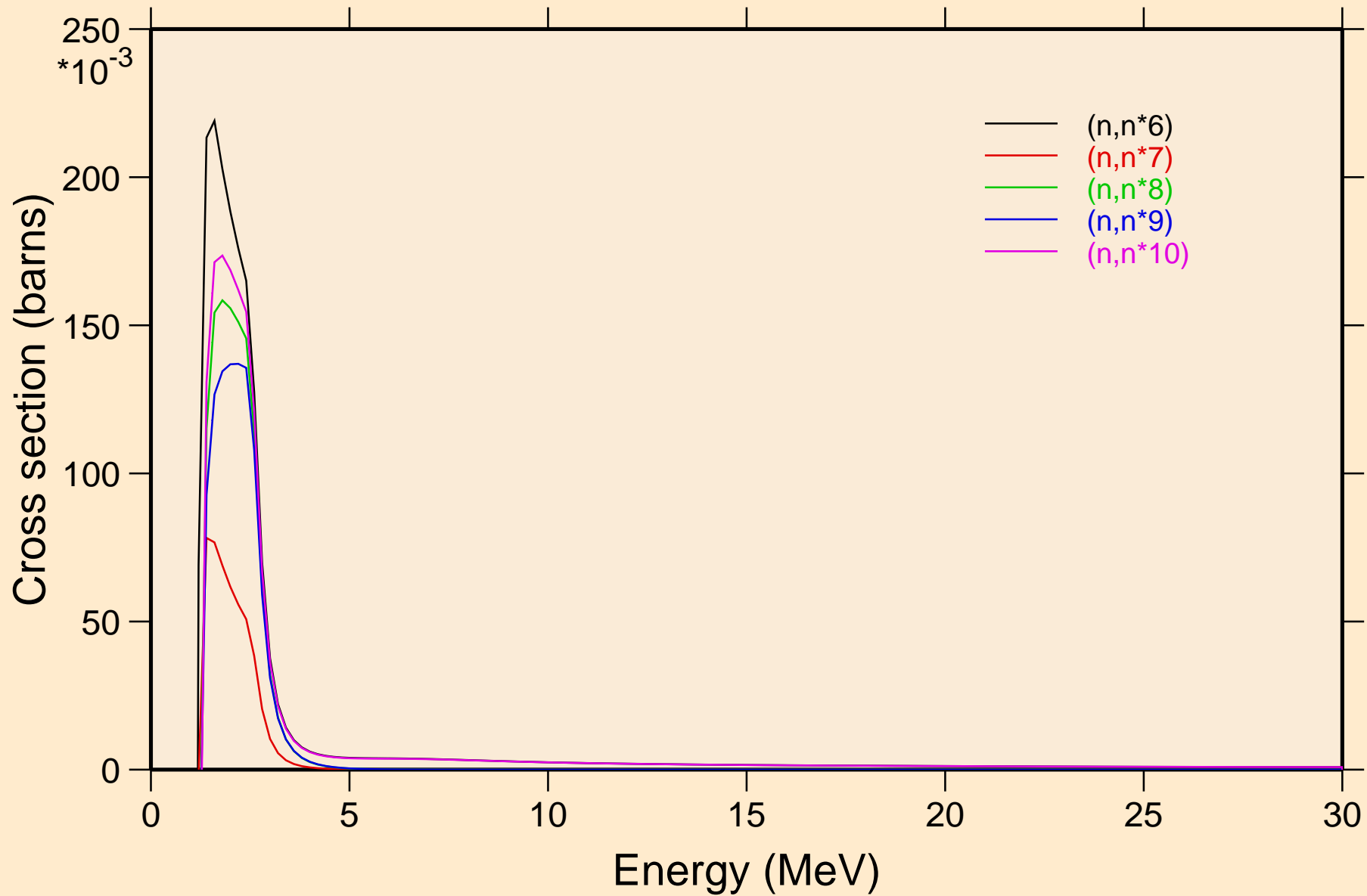
# HF178 NRG TENDL-2015, AKONING

## Inelastic levels



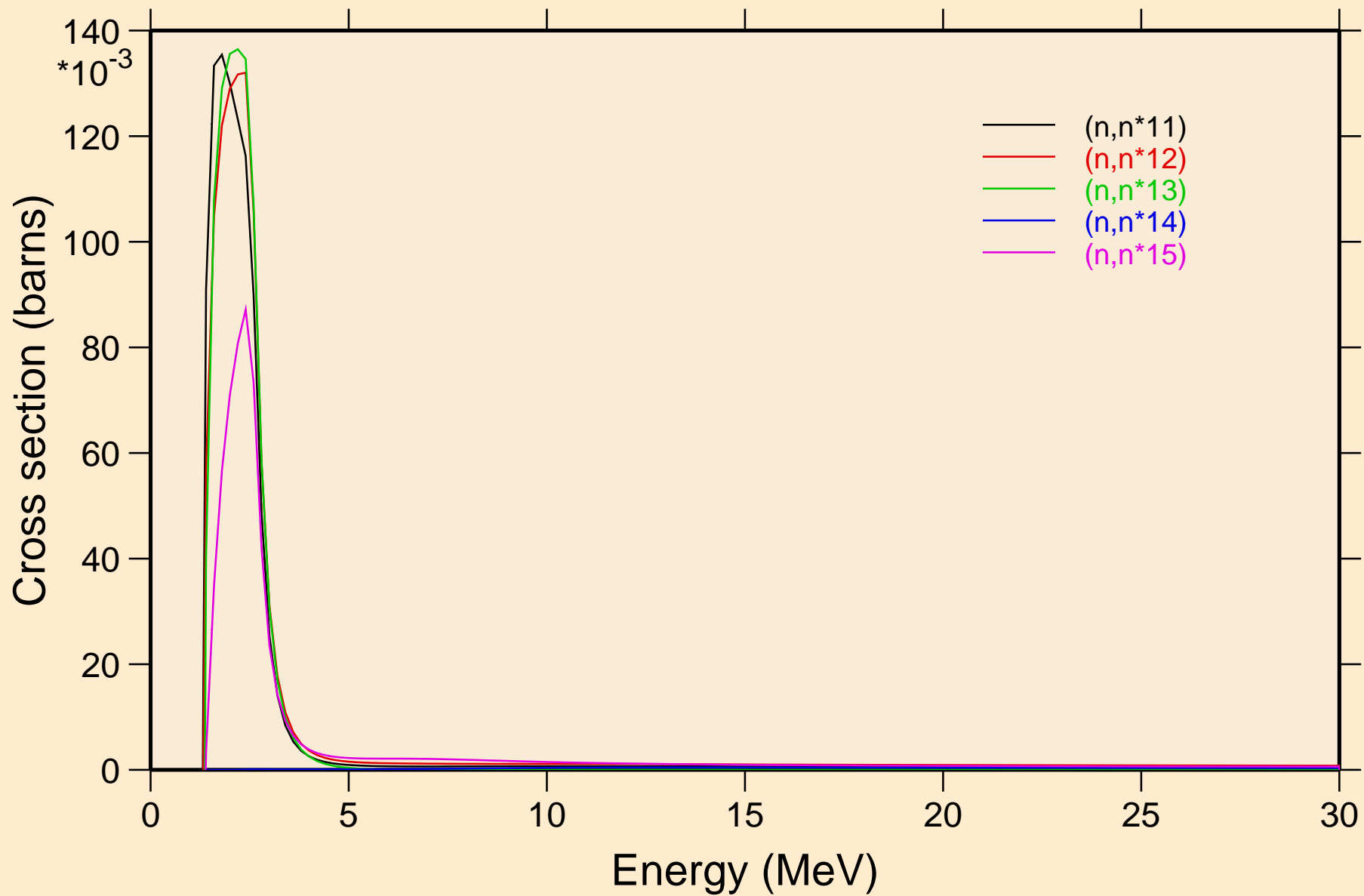
# HF178 NRG TENDL-2015, AKONING

## Inelastic levels



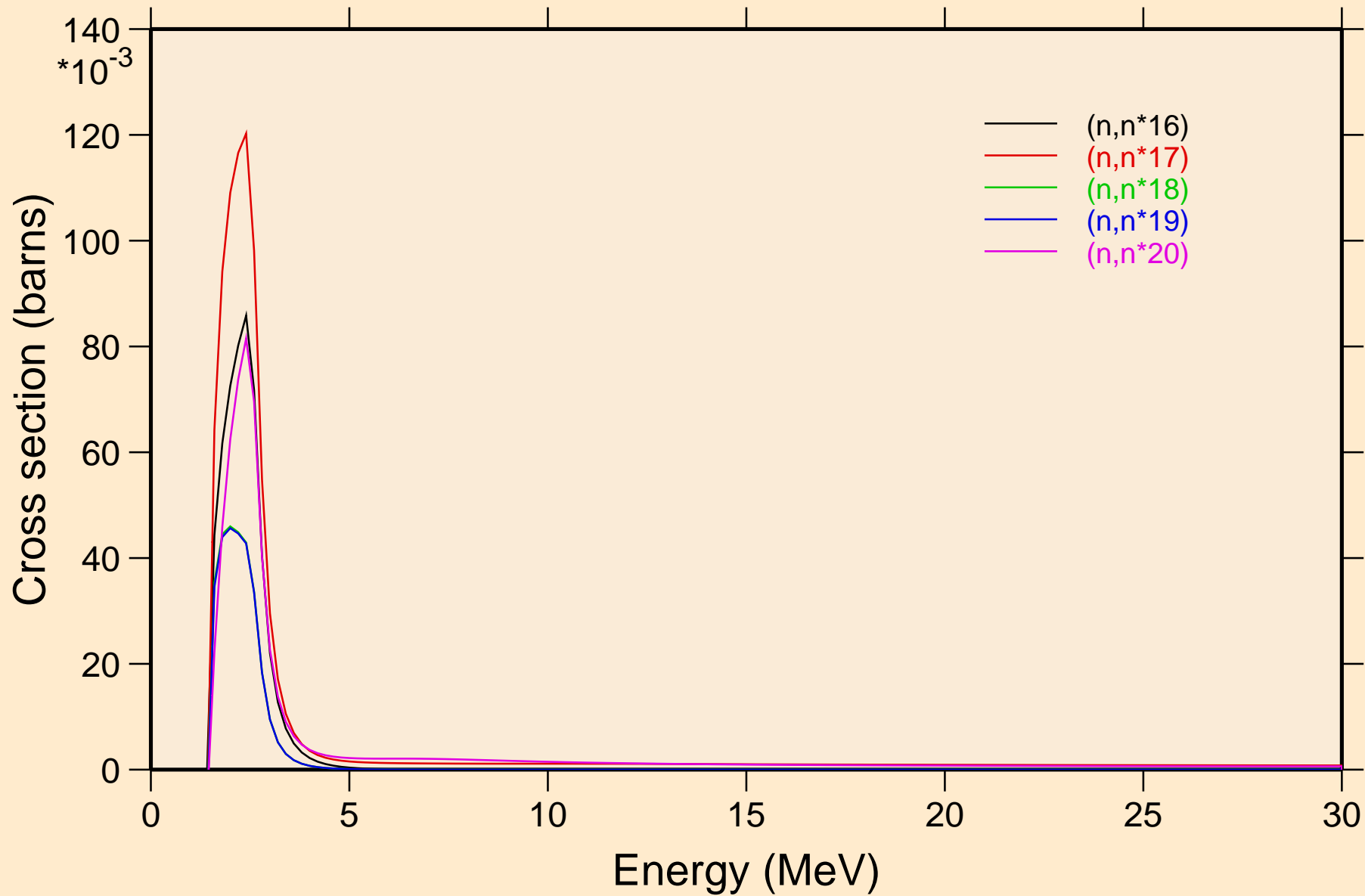
# HF178 NRG TENDL-2015, AKONING

## Inelastic levels



# HF178 NRG TENDL-2015, AKONING

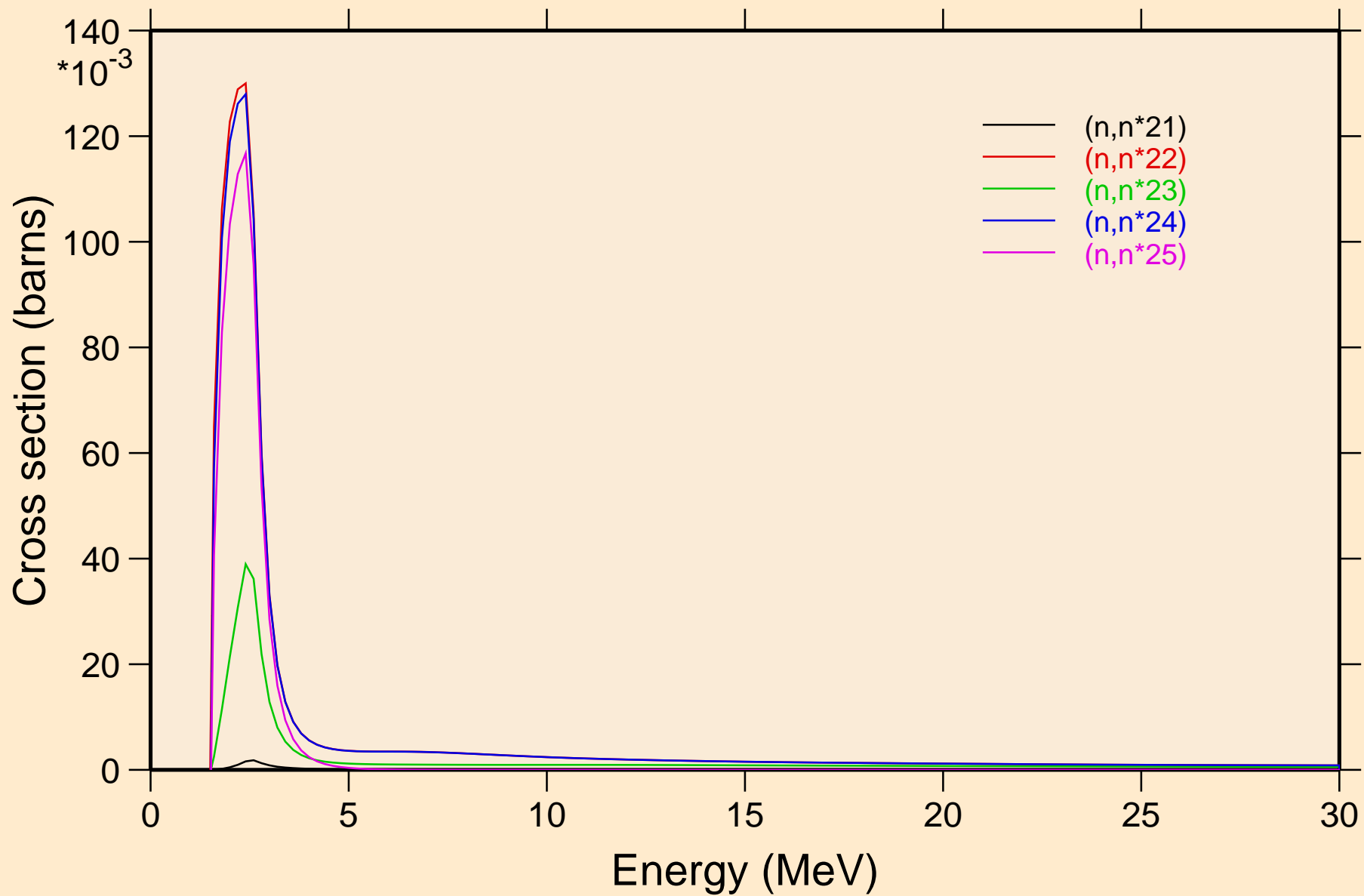
## Inelastic levels





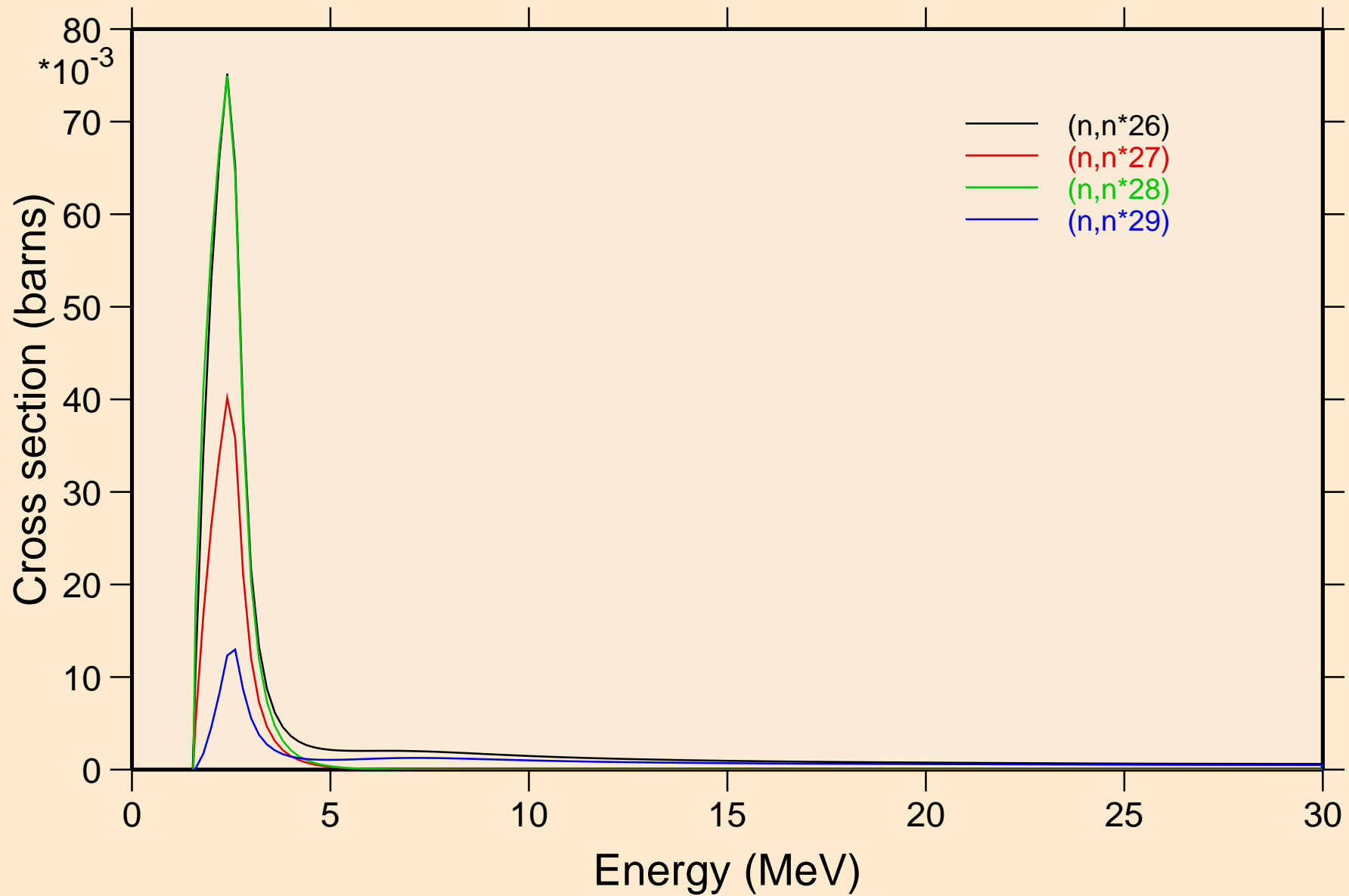
# HF178 NRG TENDL-2015, AKONING

## Inelastic levels



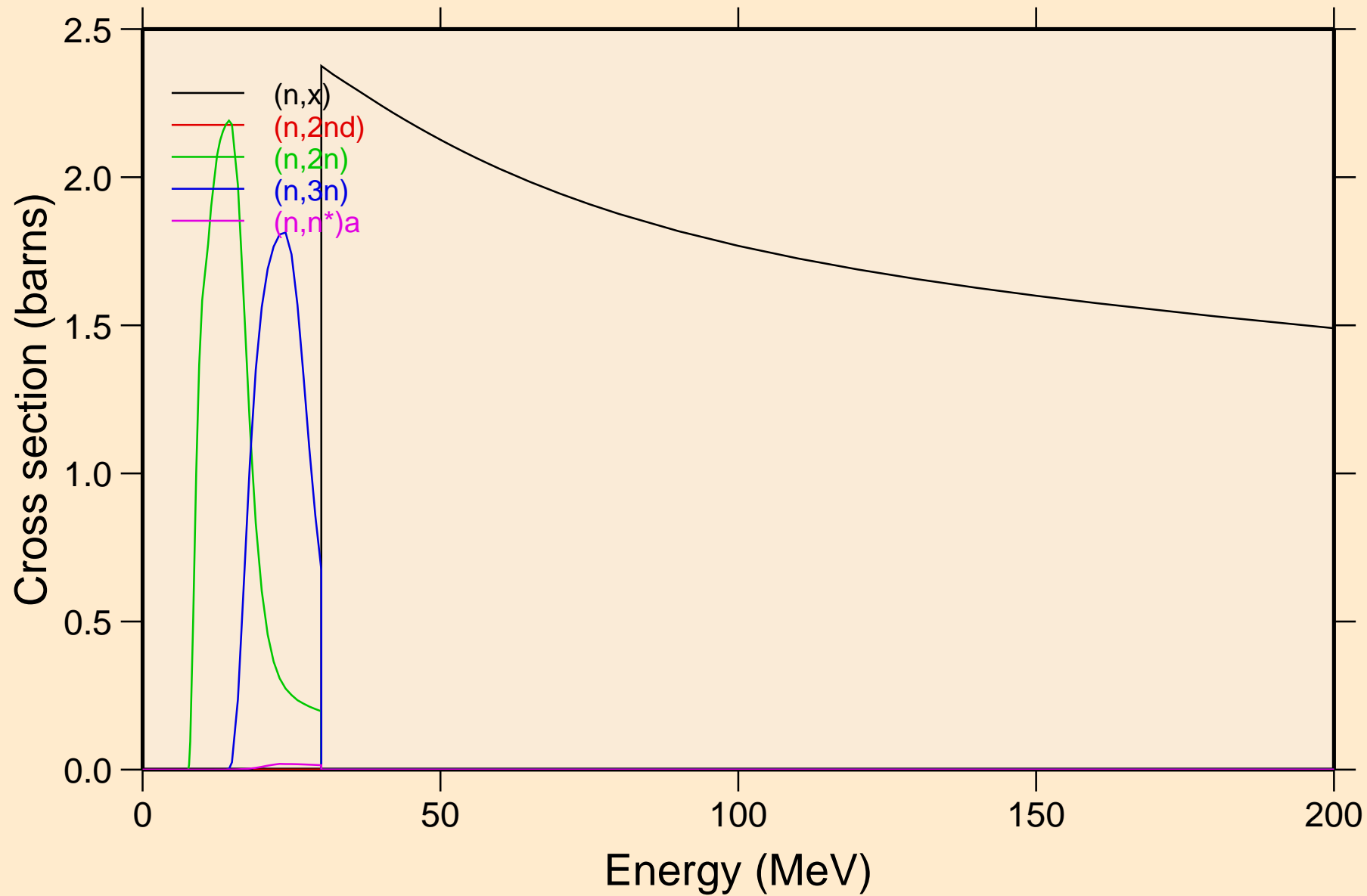
# HF178 NRG TENDL-2015, AKONING

## Inelastic levels



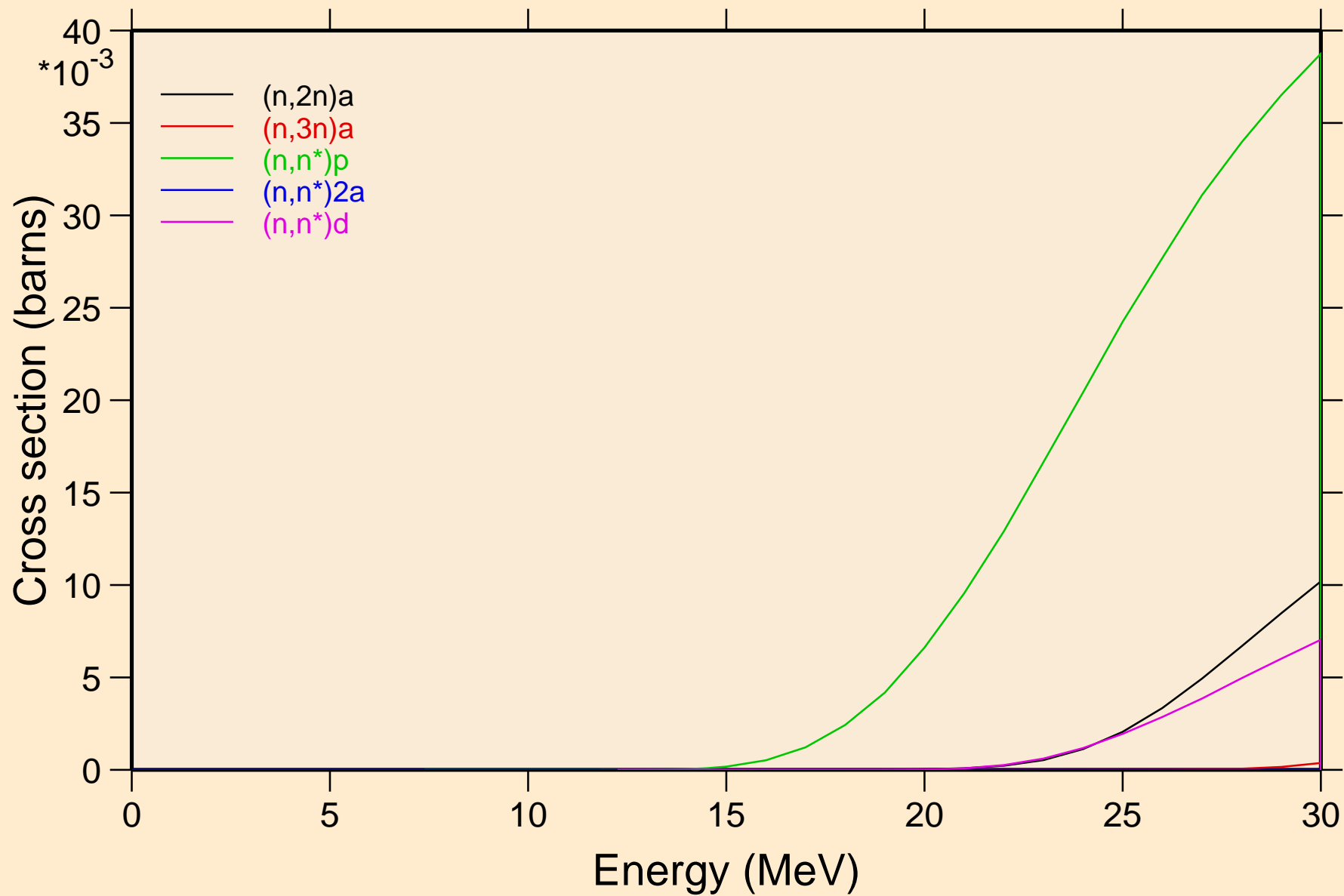
# HF178 NRG TENDL-2015, AKONING

## Threshold reactions



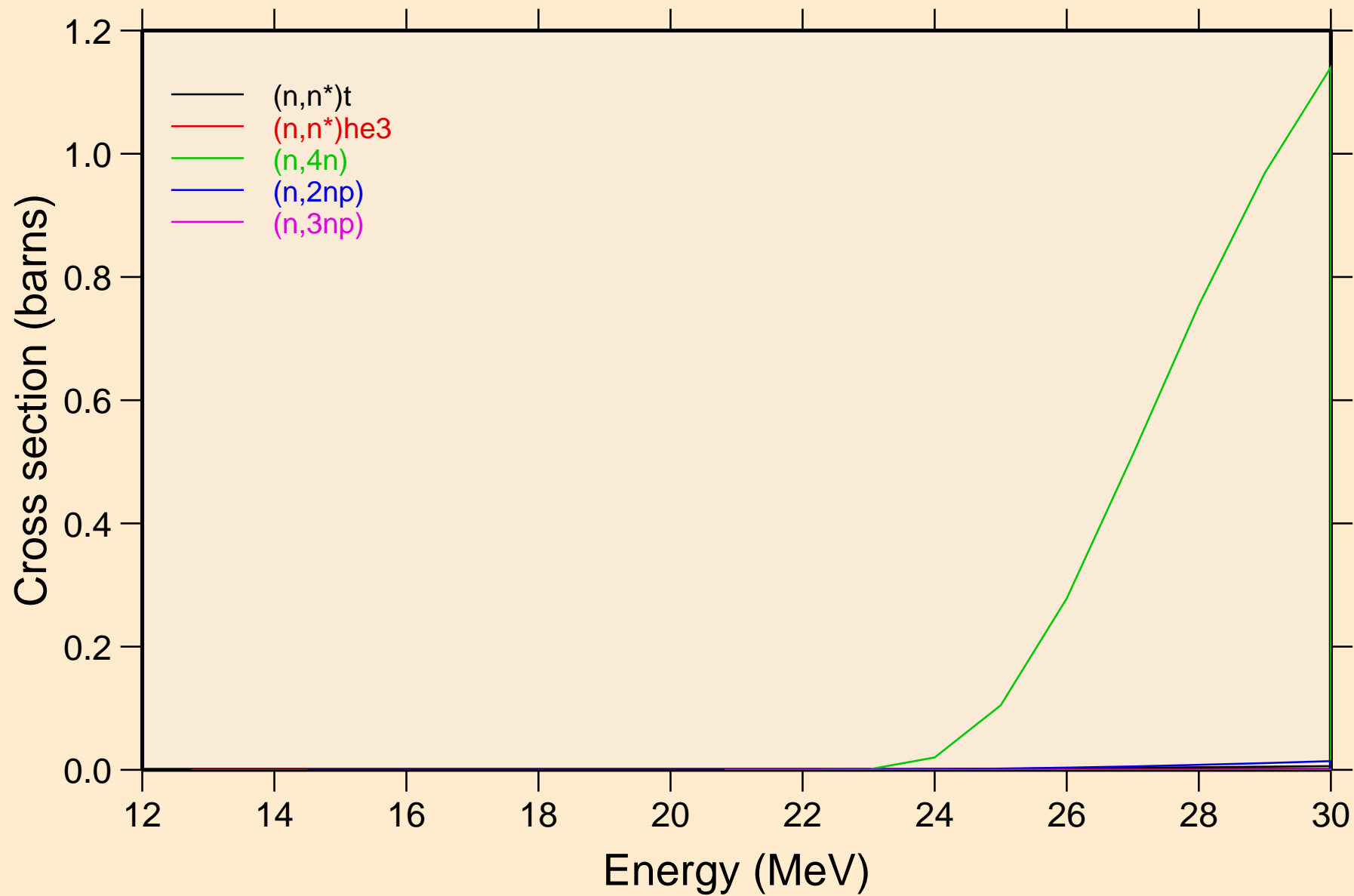
# HF178 NRG TENDL-2015, AKONING

## Threshold reactions



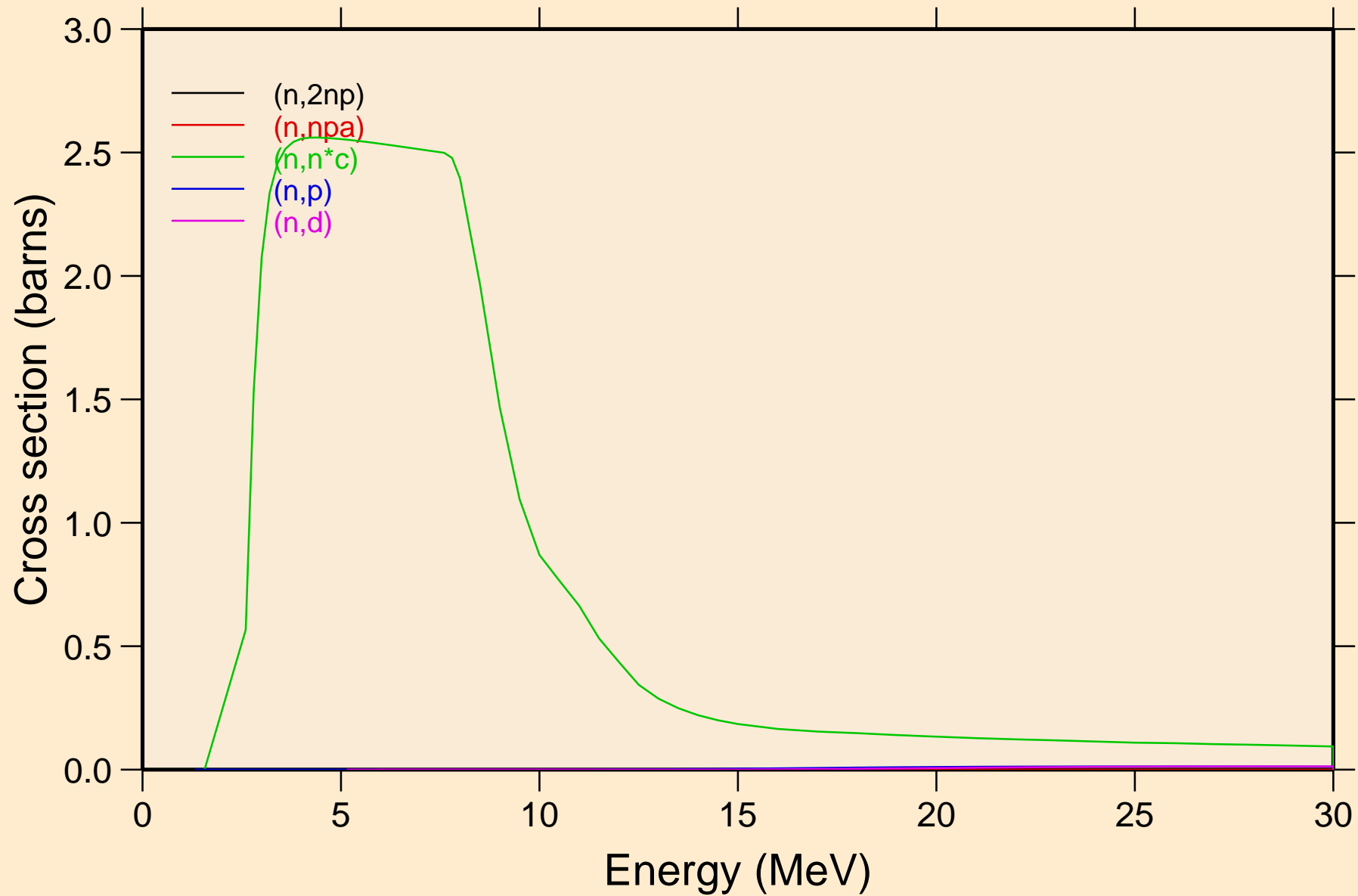
# HF178 NRG TENDL-2015, AKONING

## Threshold reactions



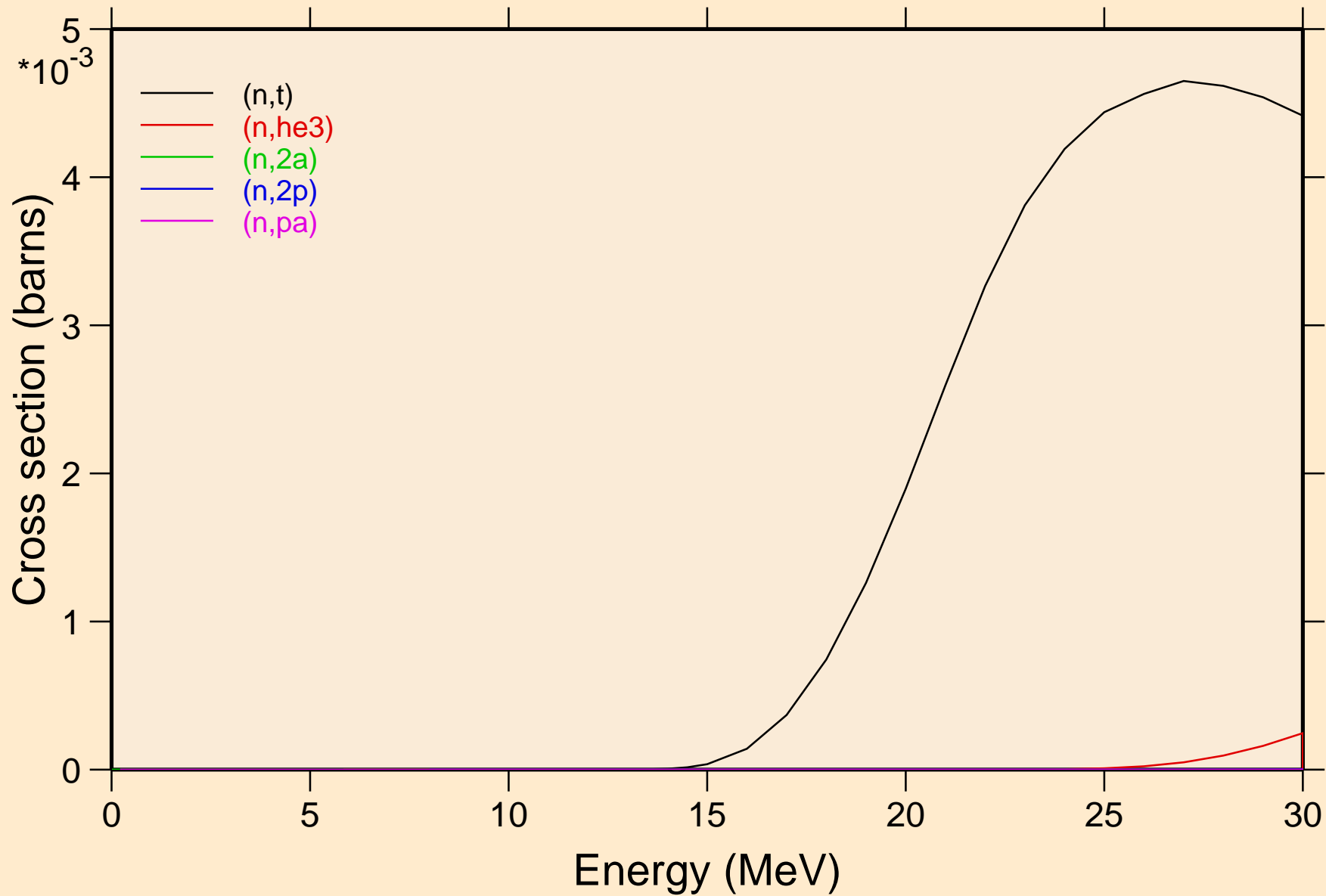
# HF178 NRG TENDL-2015, AKONING

## Threshold reactions



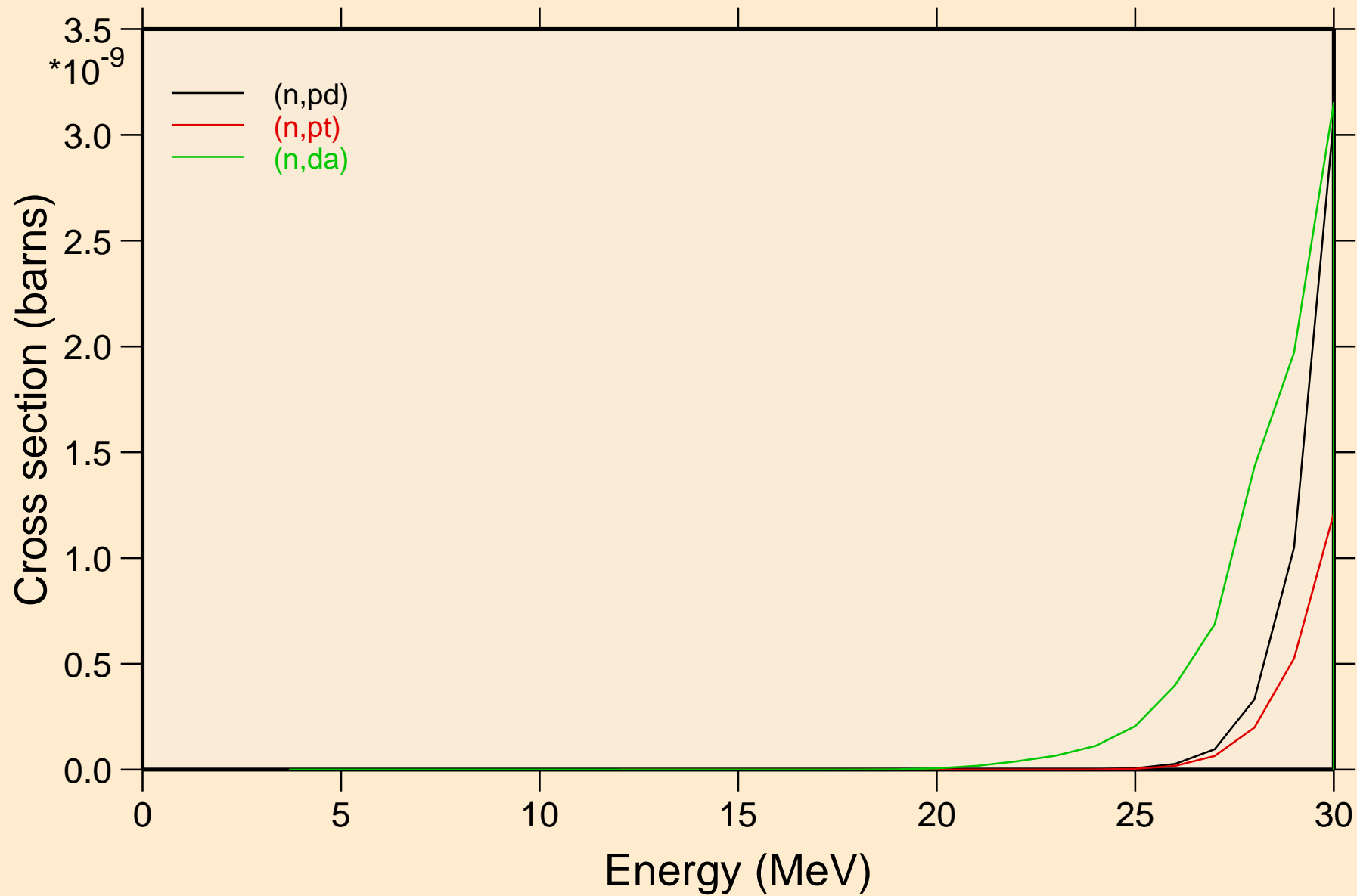
# HF178 NRG TENDL-2015, AKONING

## Threshold reactions



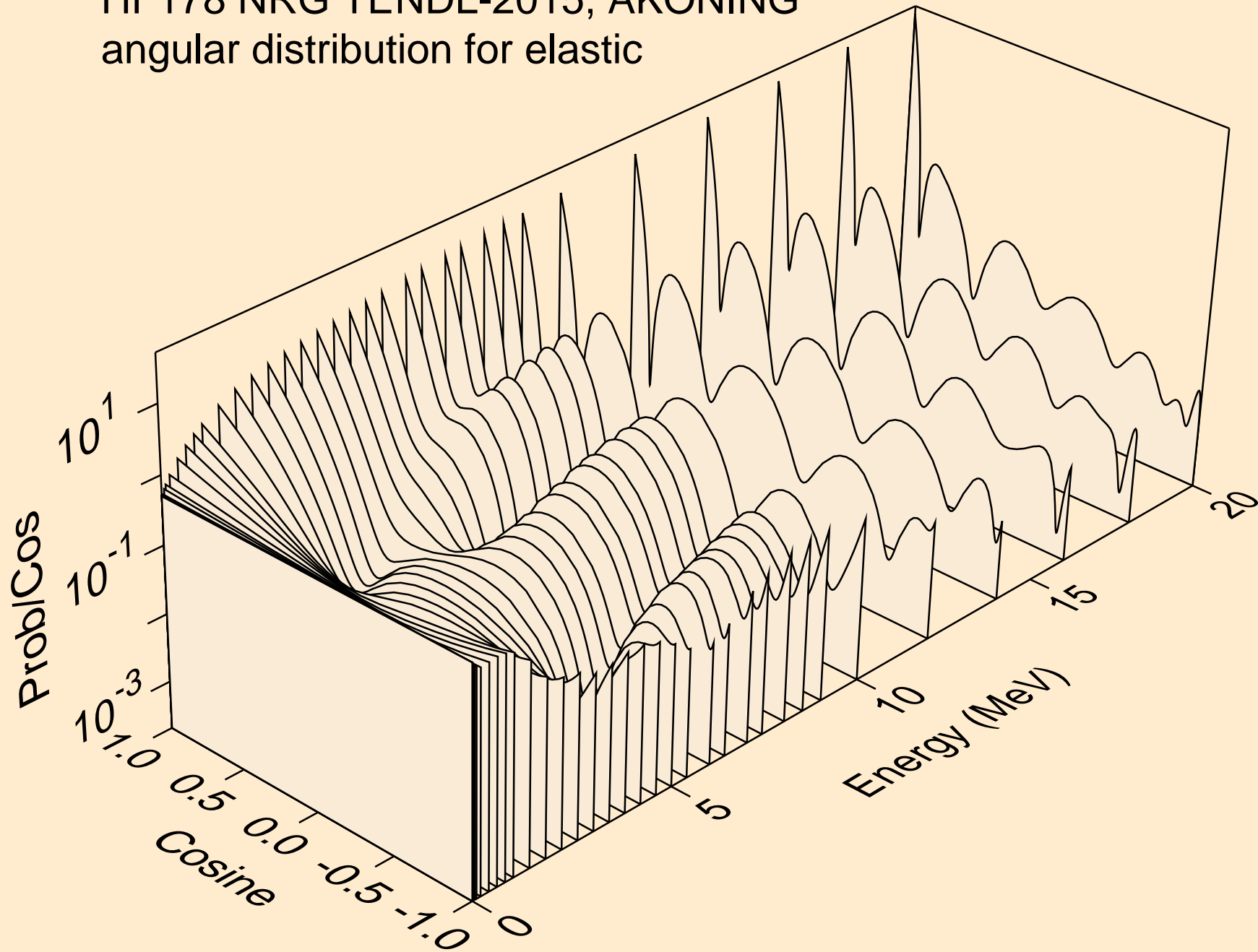
# HF178 NRG TENDL-2015, AKONING

## Threshold reactions

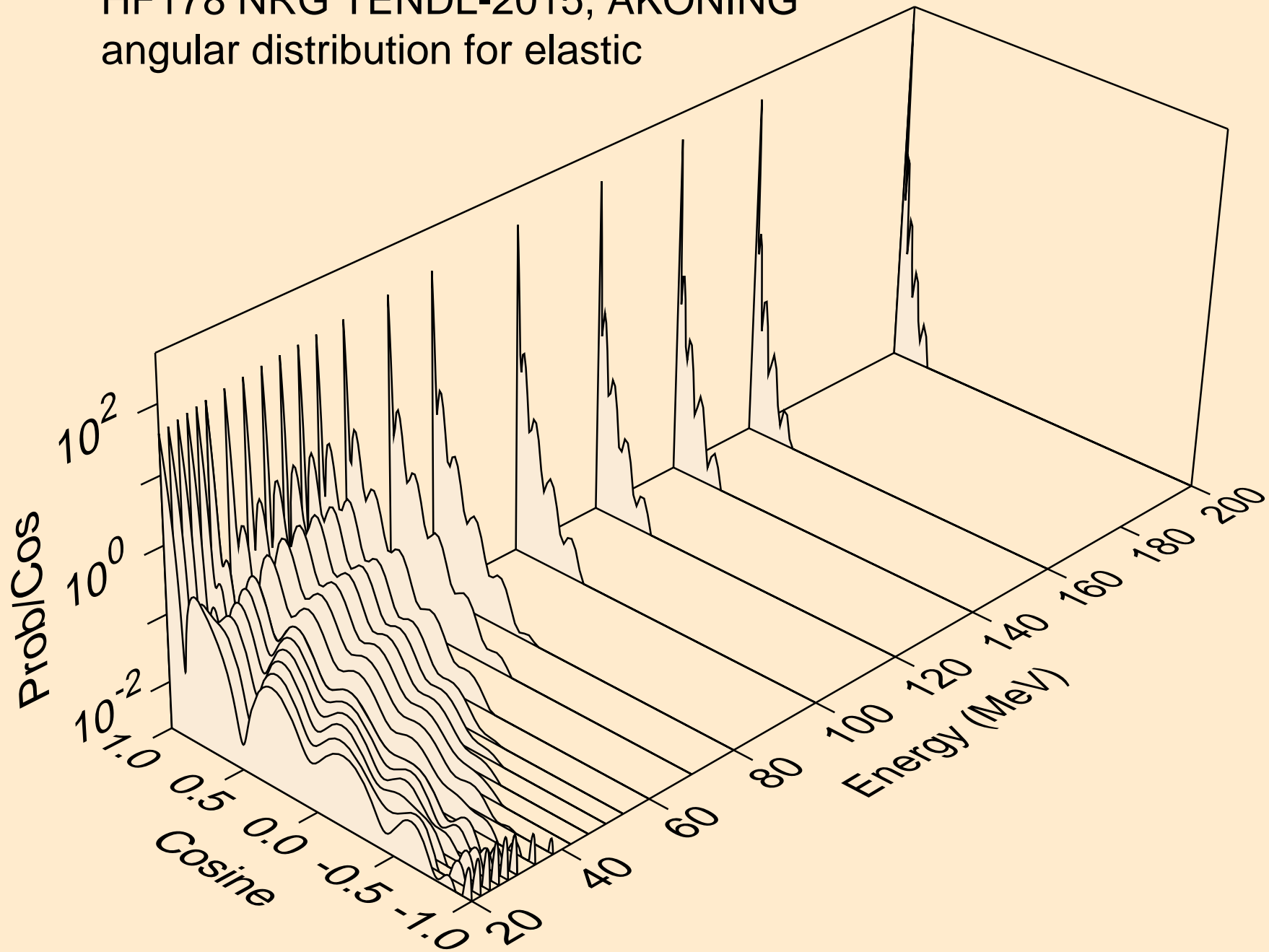




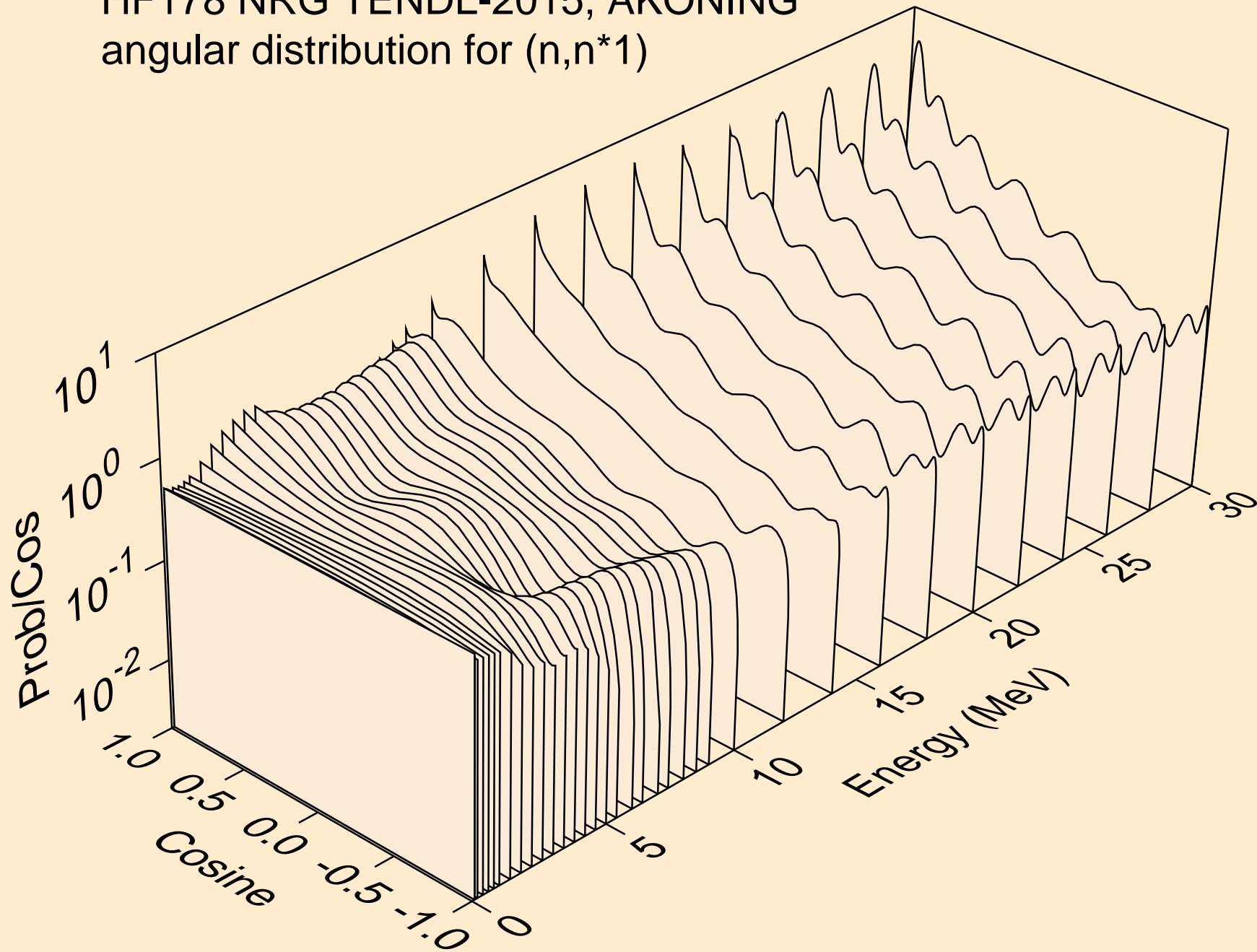
HF178 NRG TENDL-2015, AKONING  
angular distribution for elastic



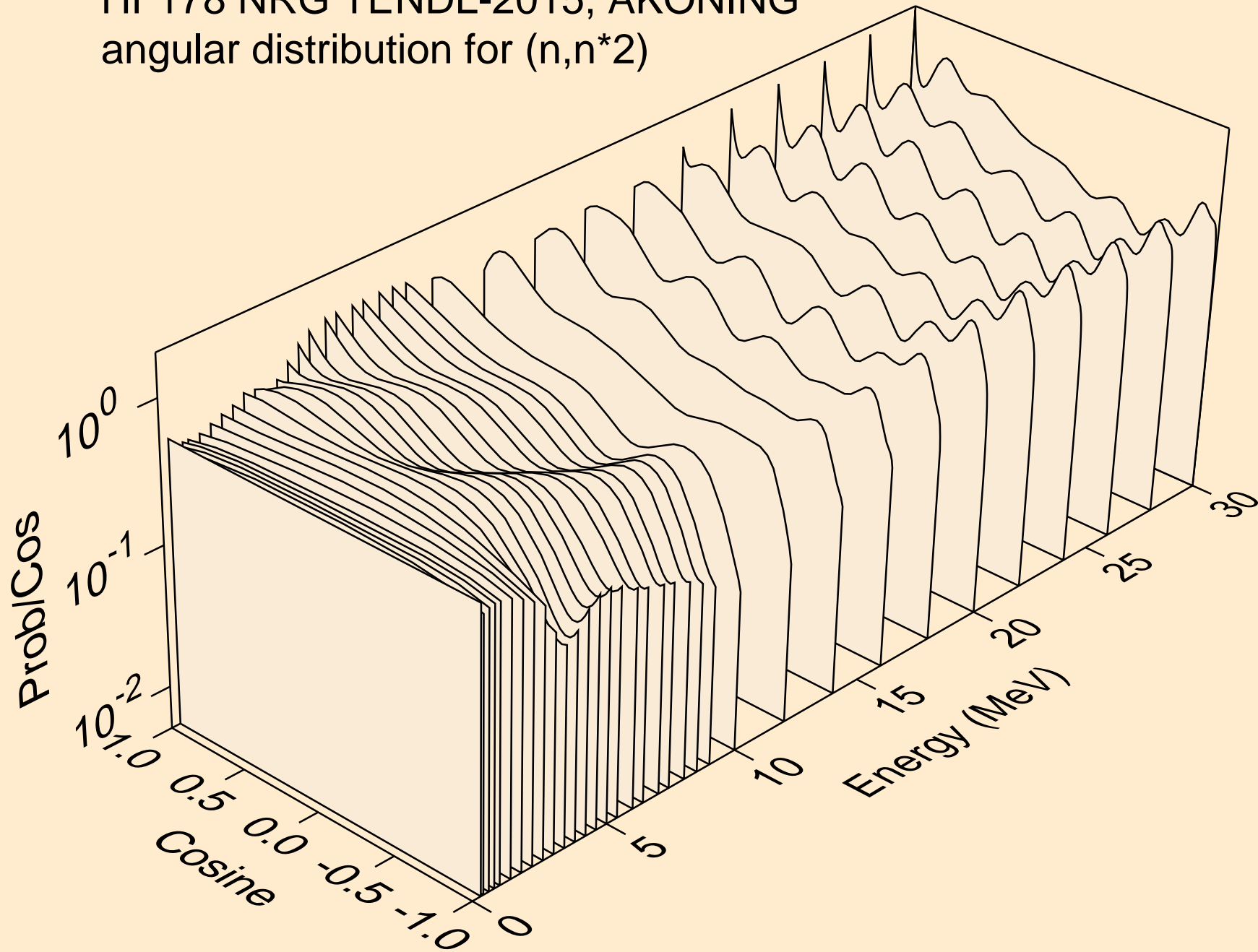
HF178 NRG TENDL-2015, AKONING  
angular distribution for elastic



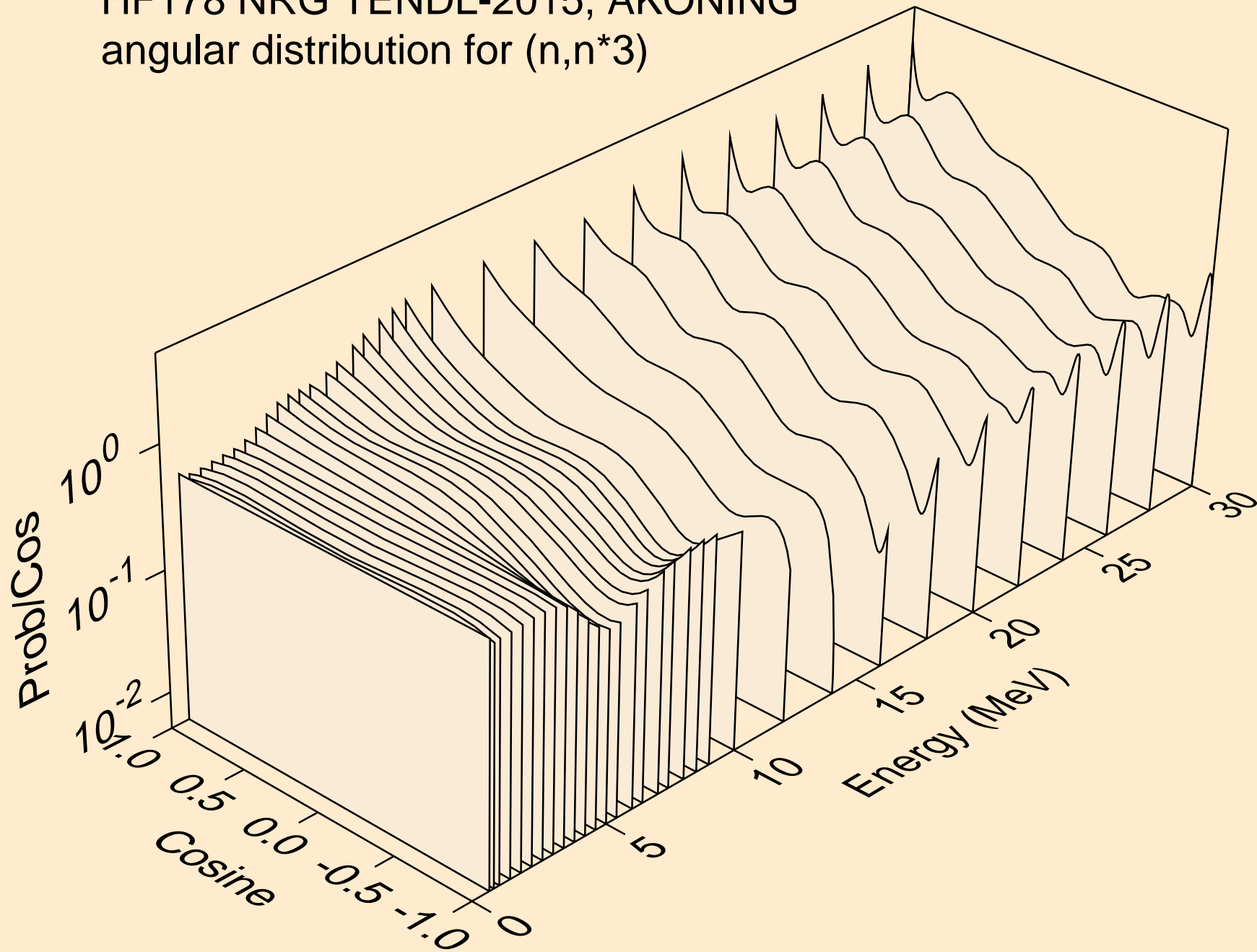
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



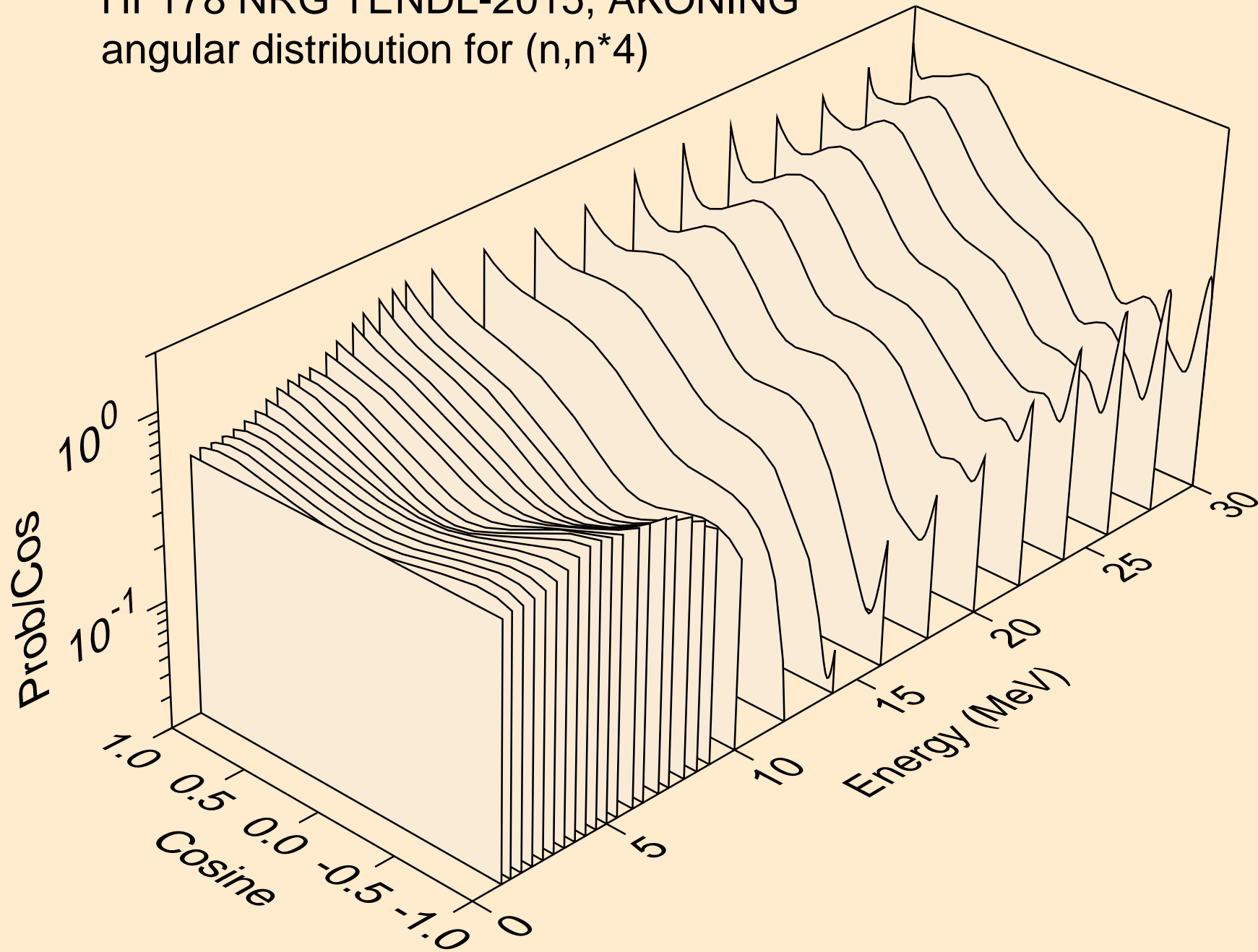
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



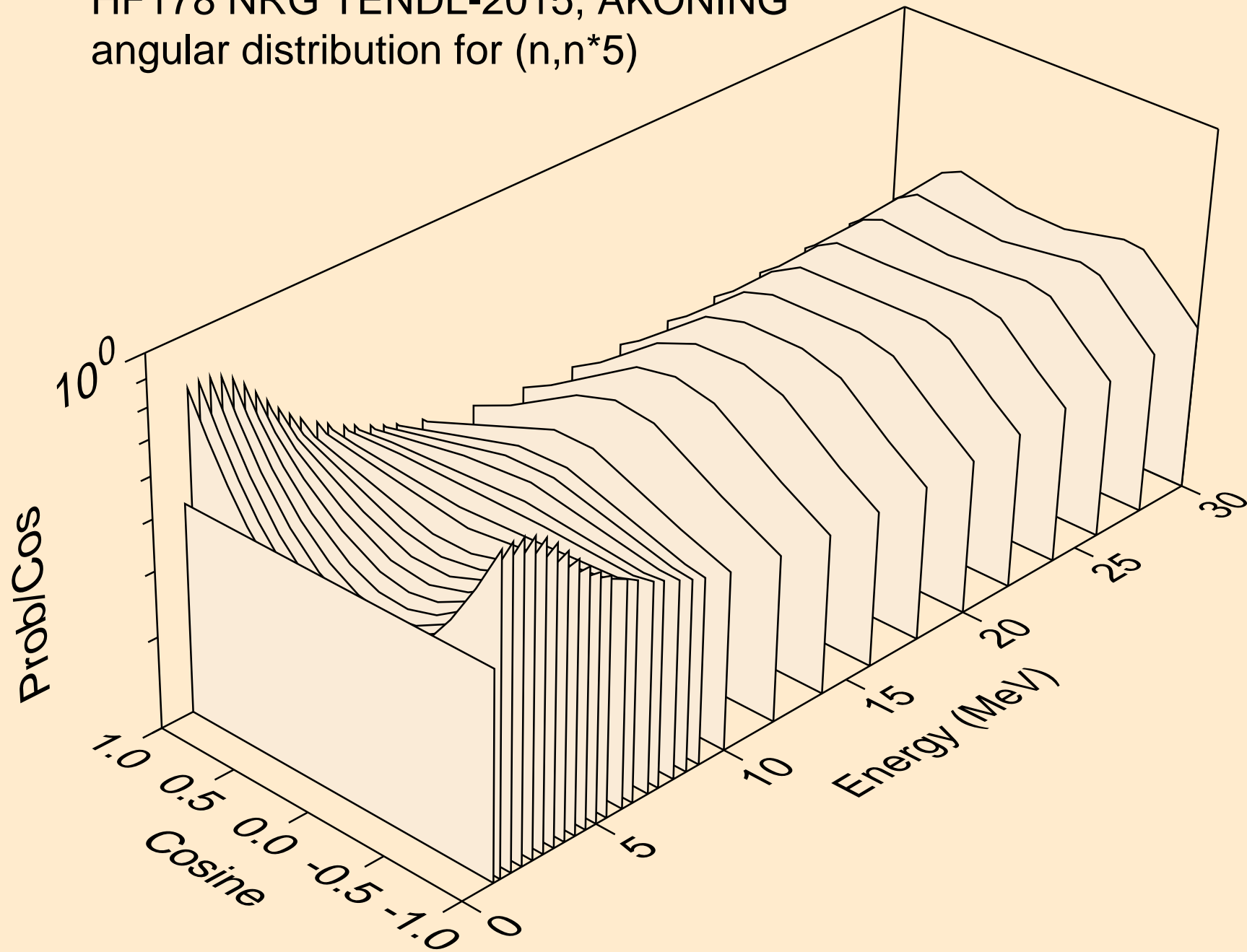
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



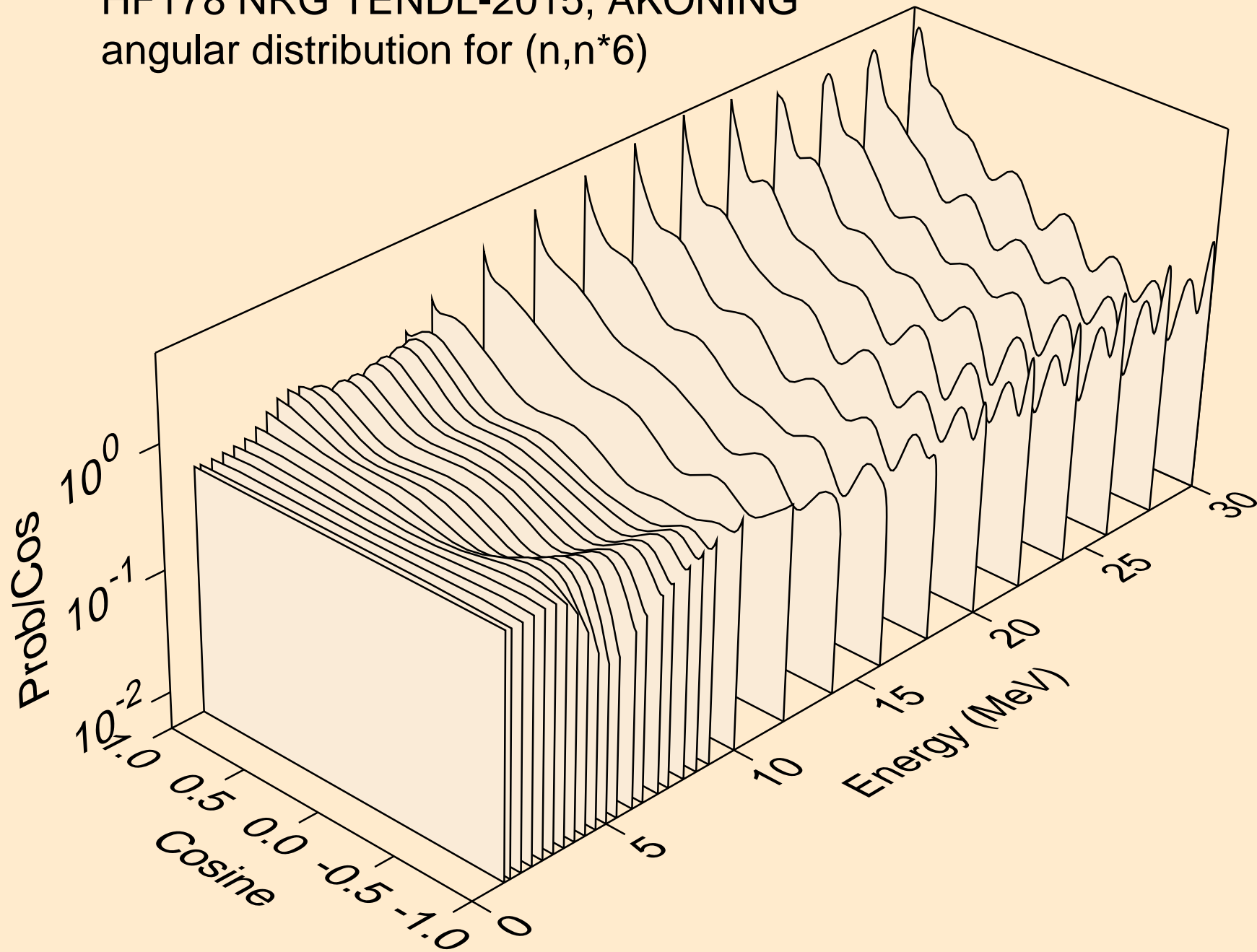
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

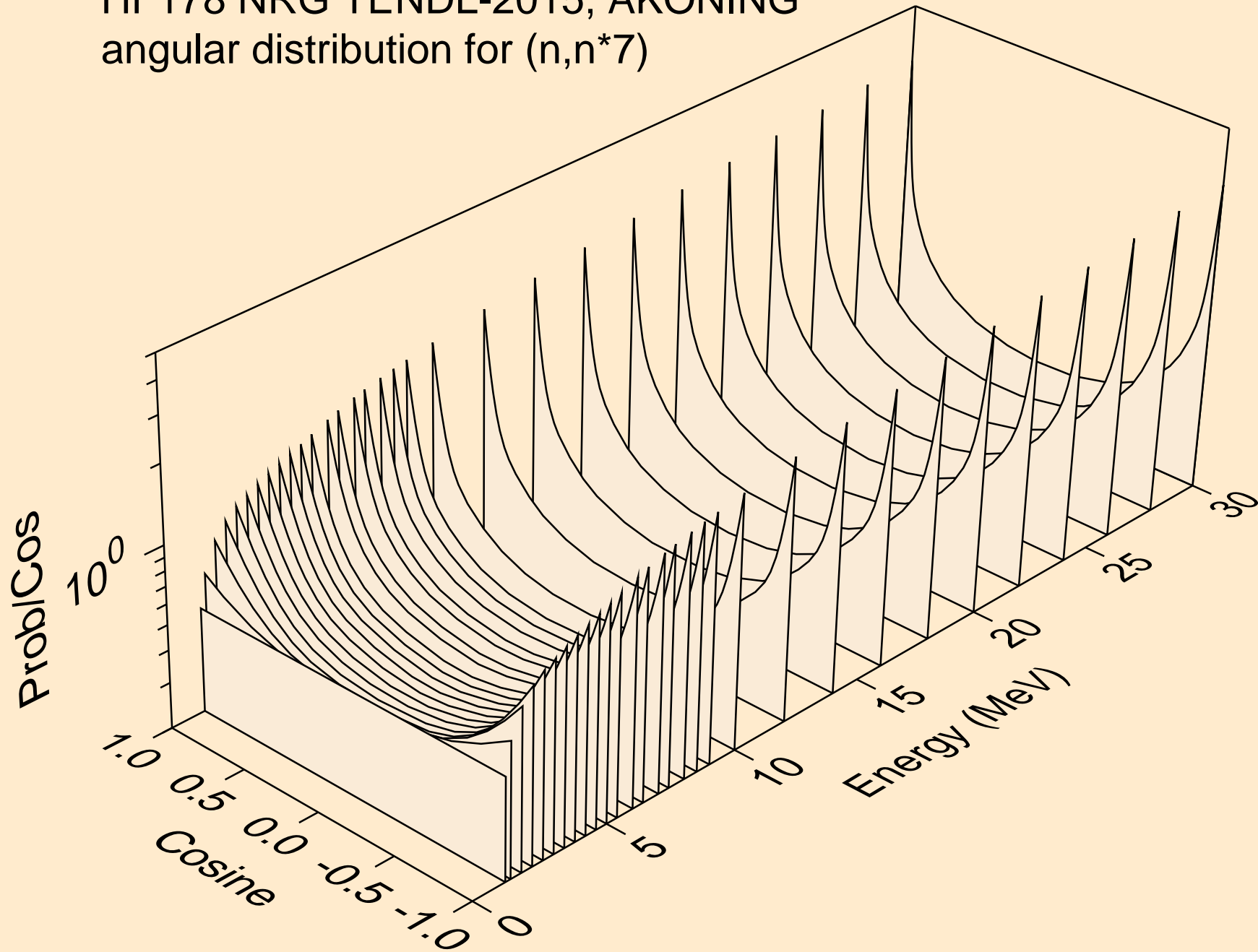


HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

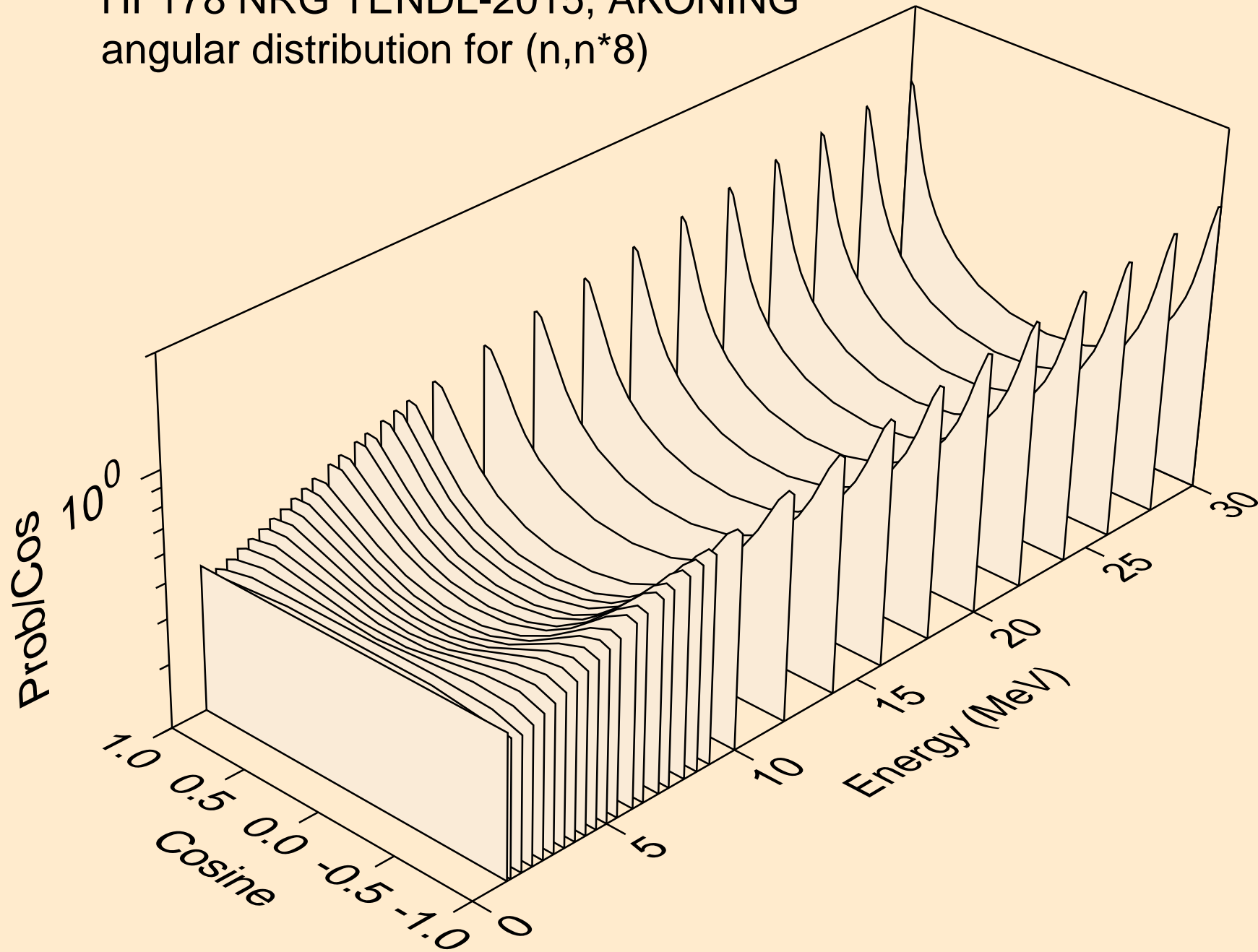




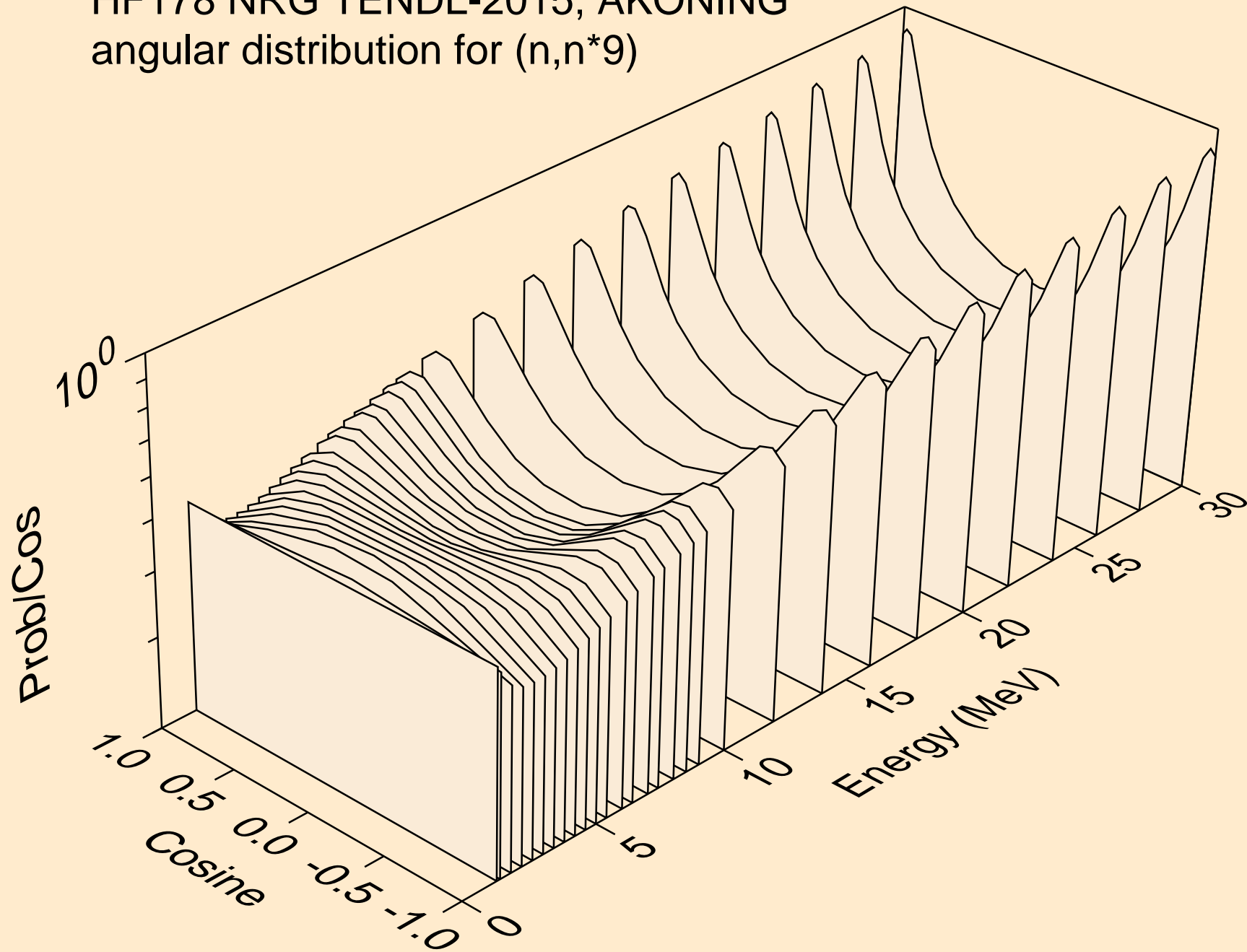
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



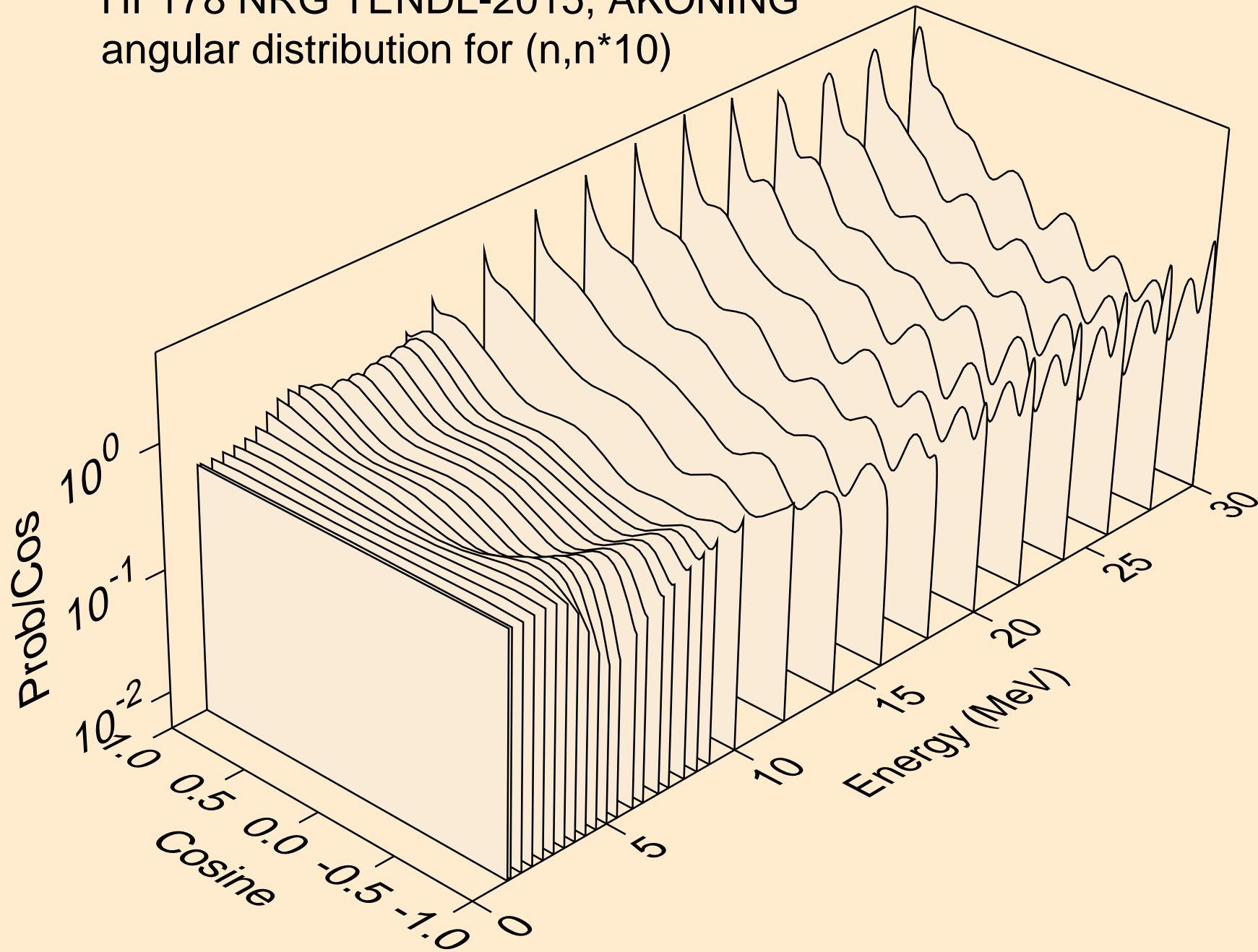
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



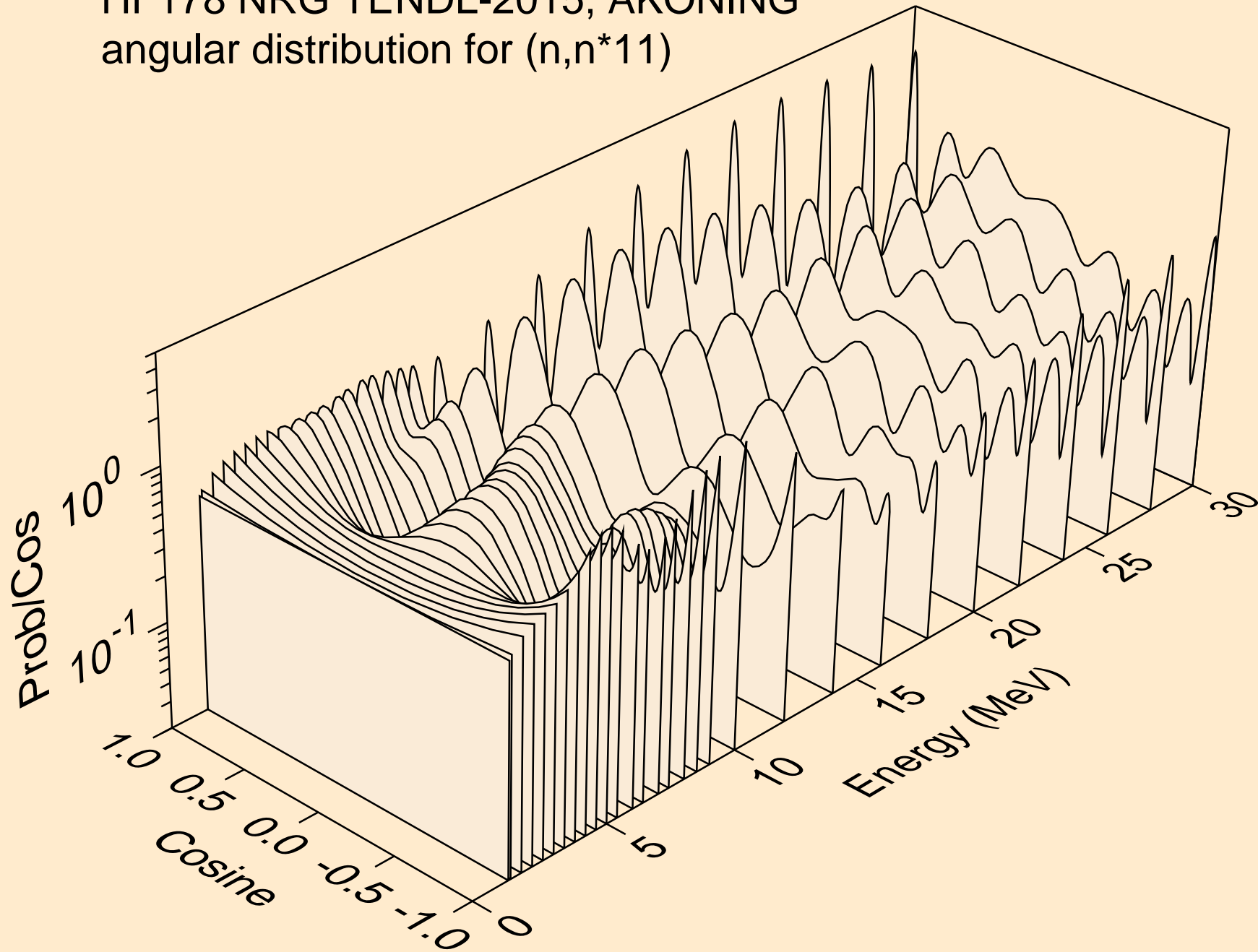
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



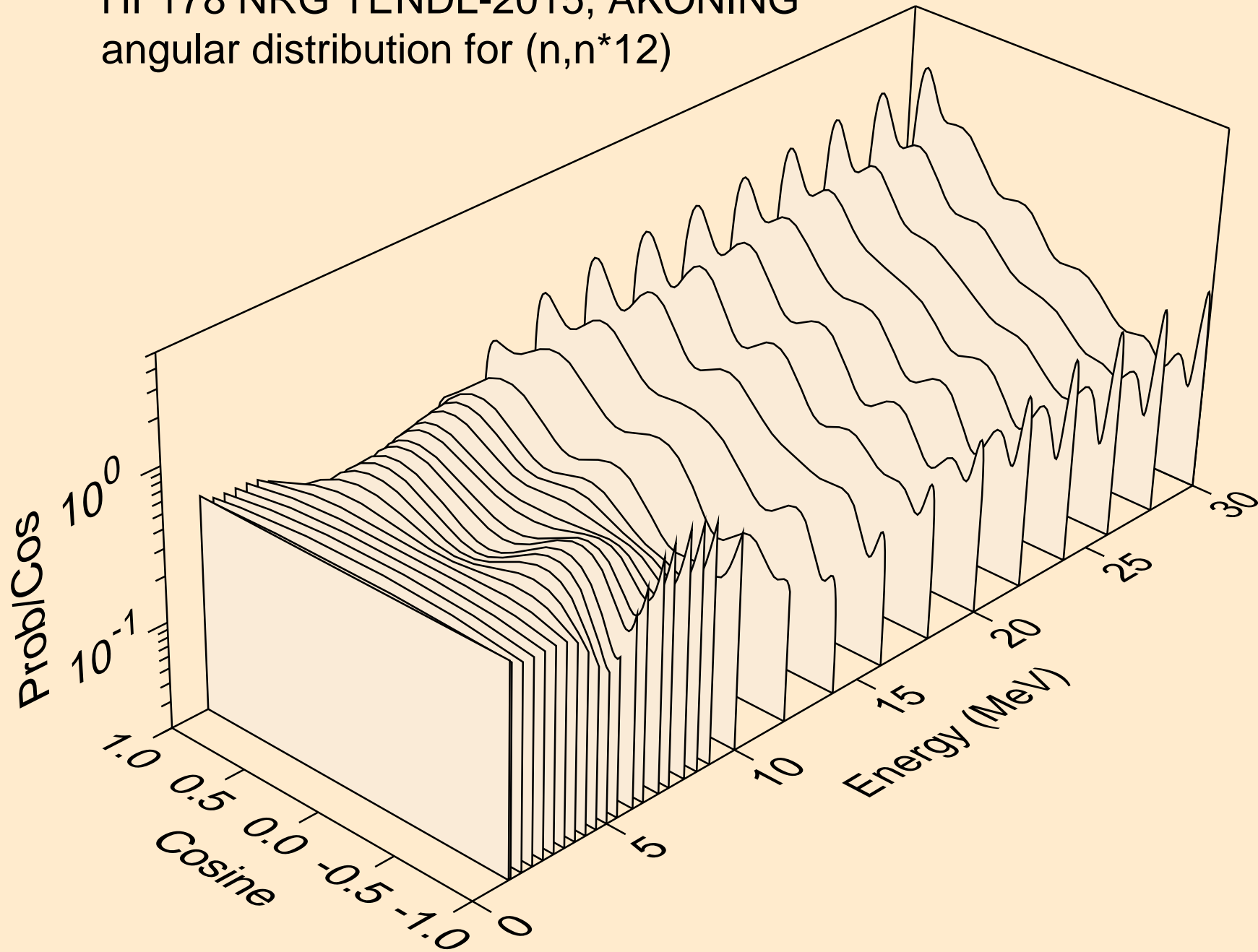
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



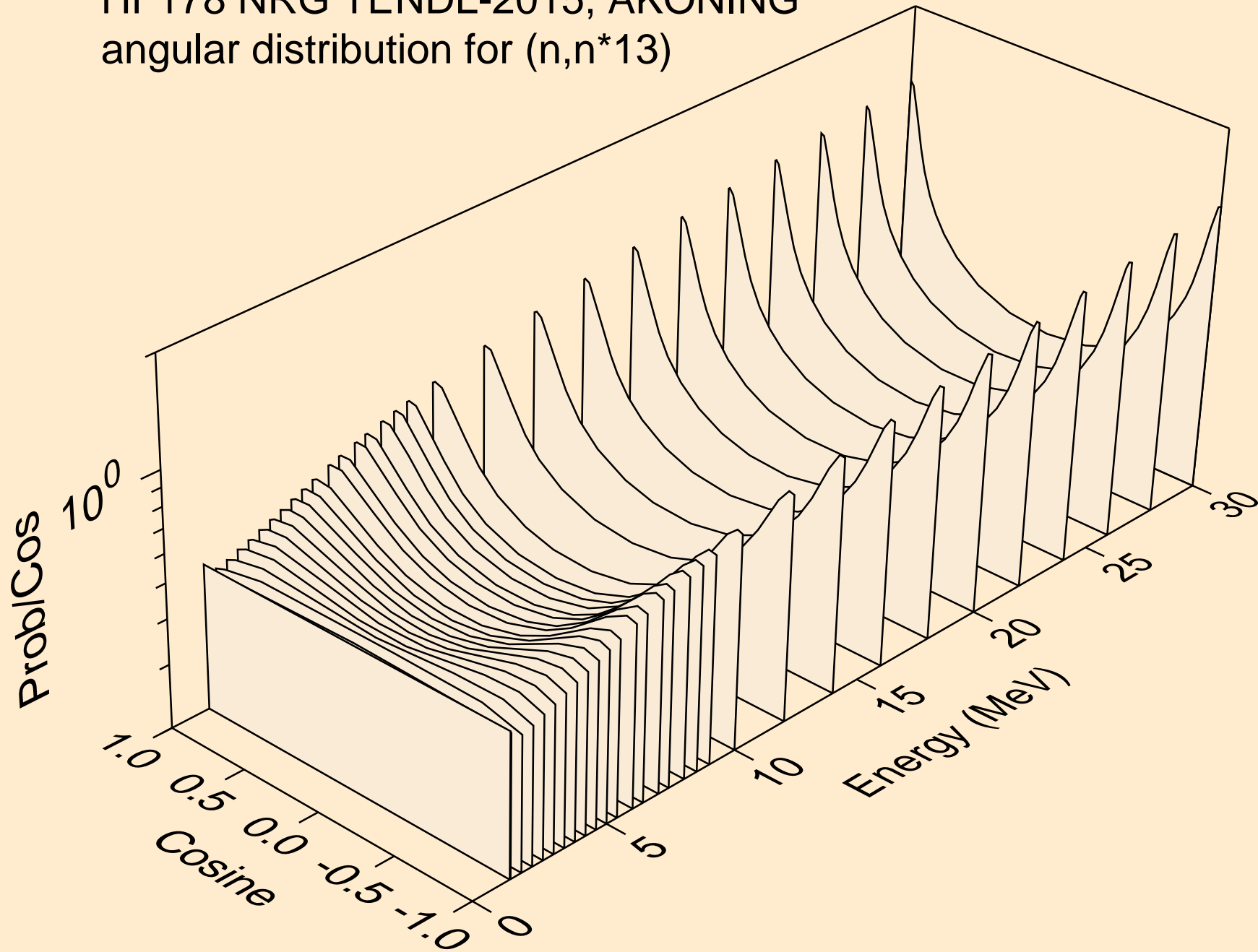
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



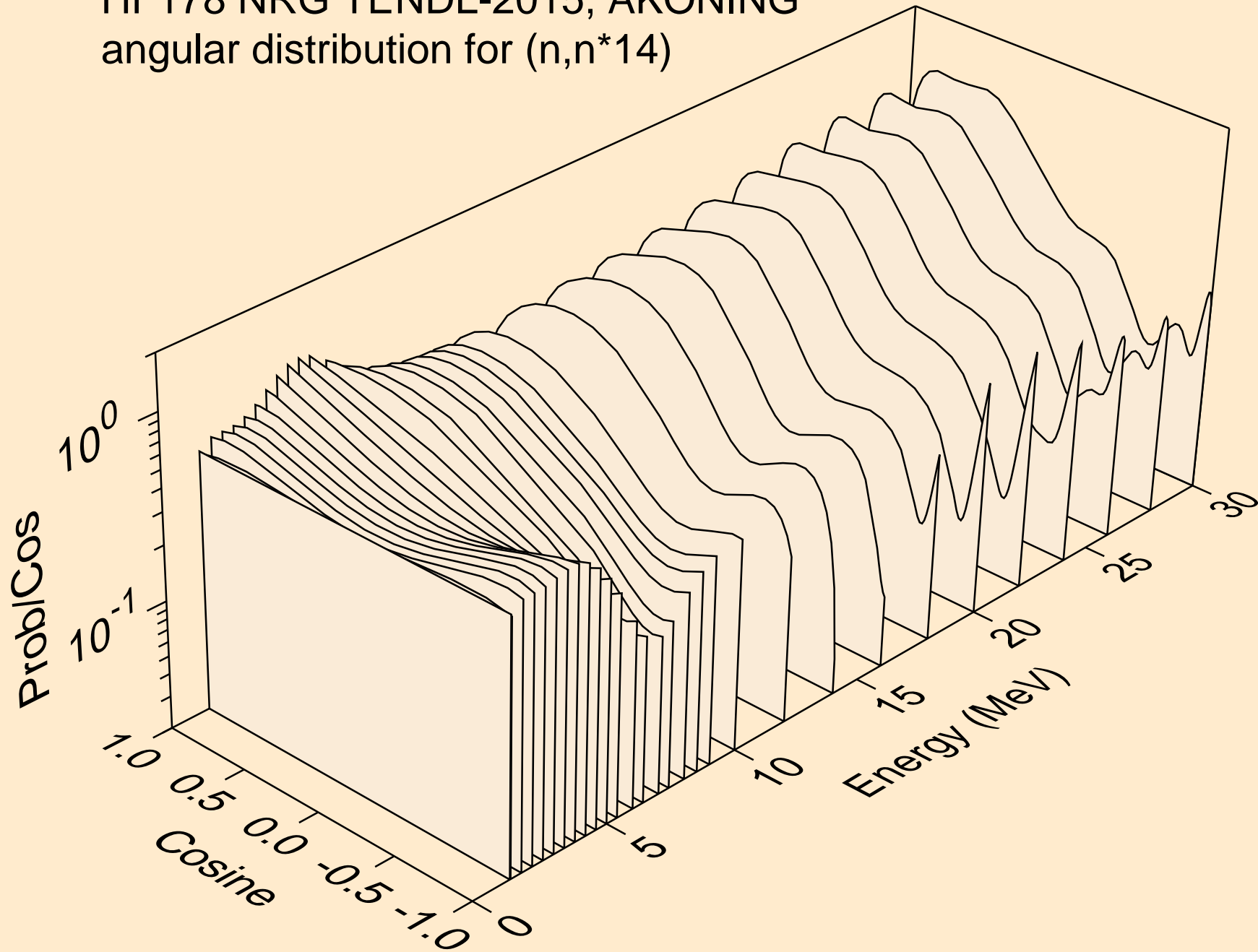
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

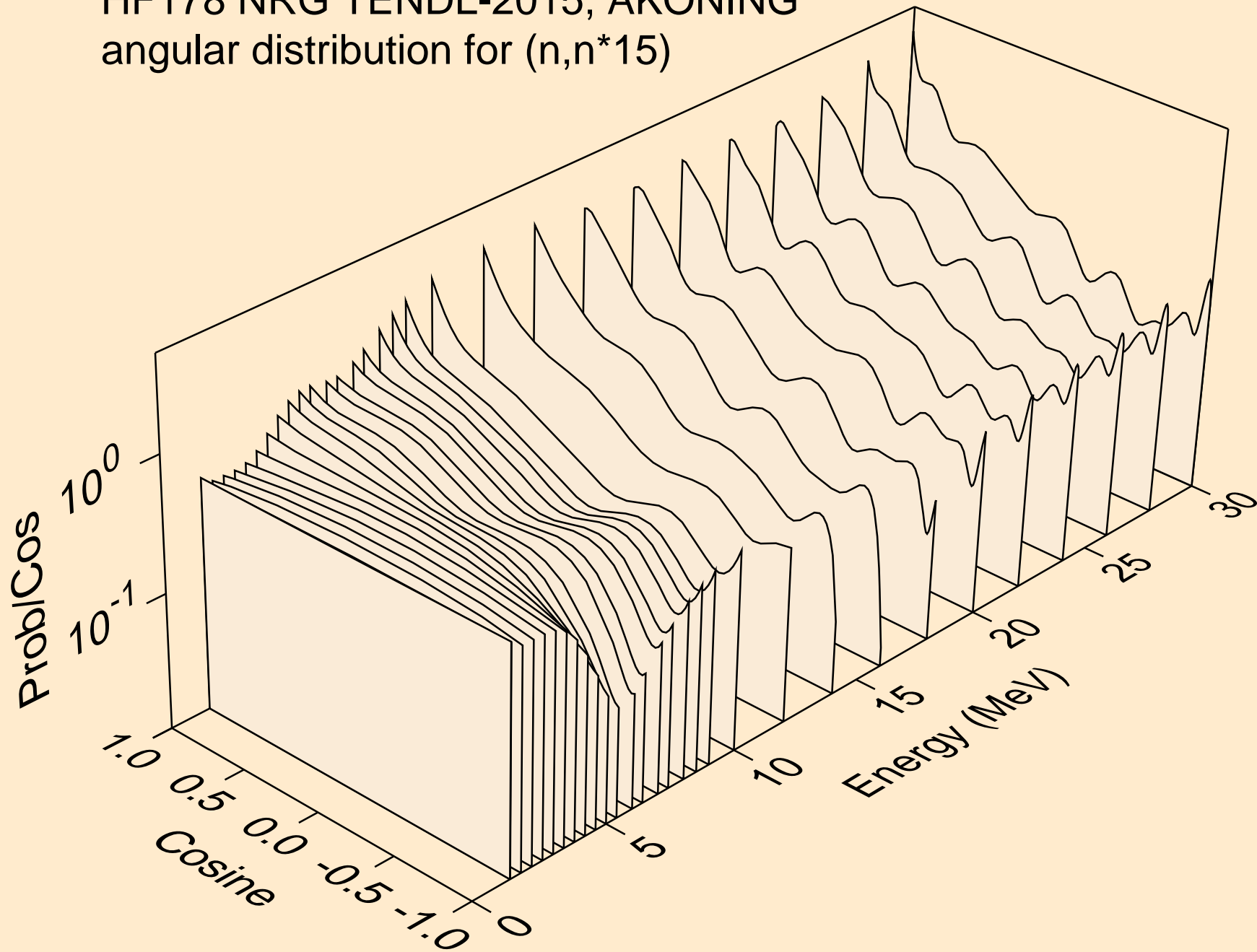


HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

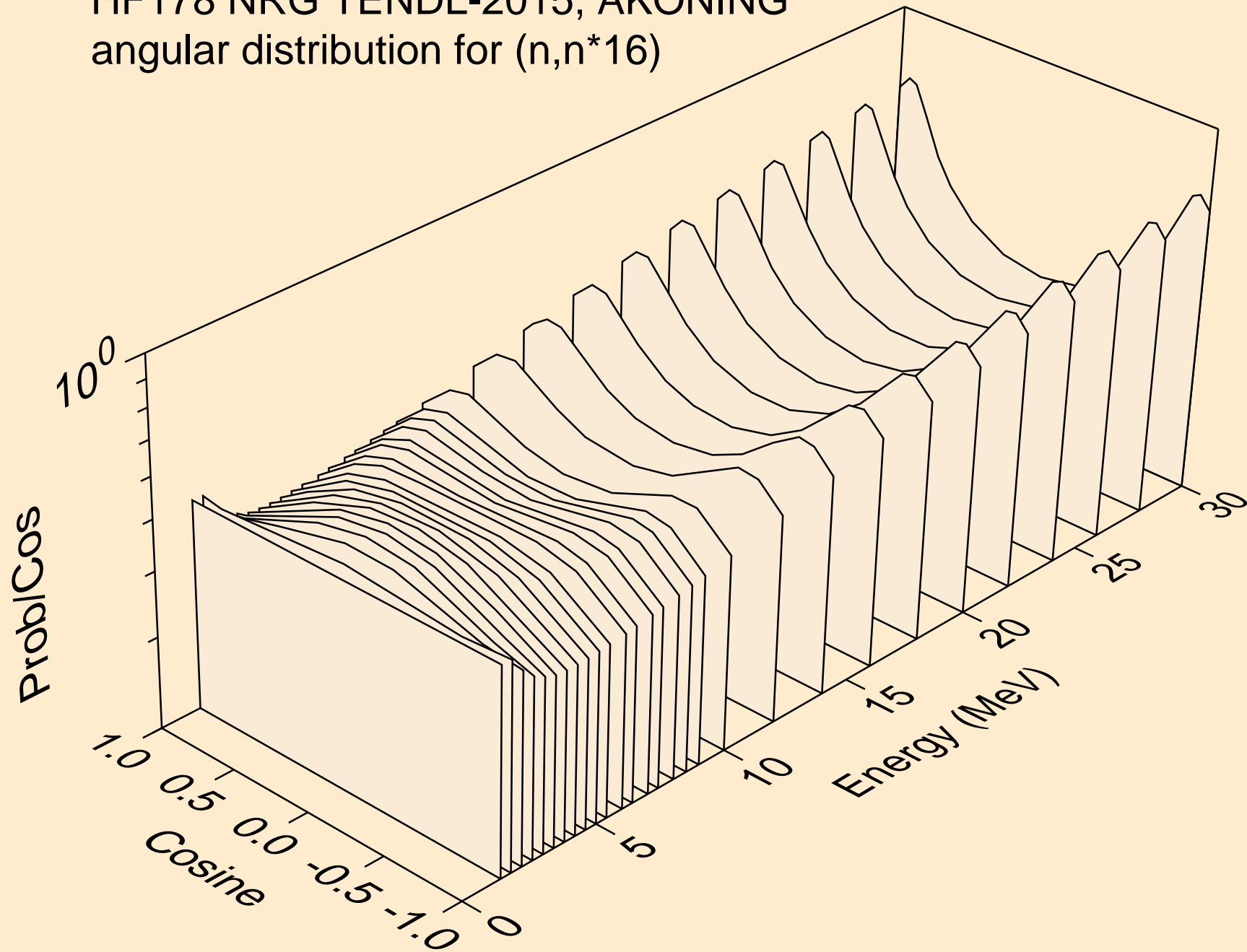




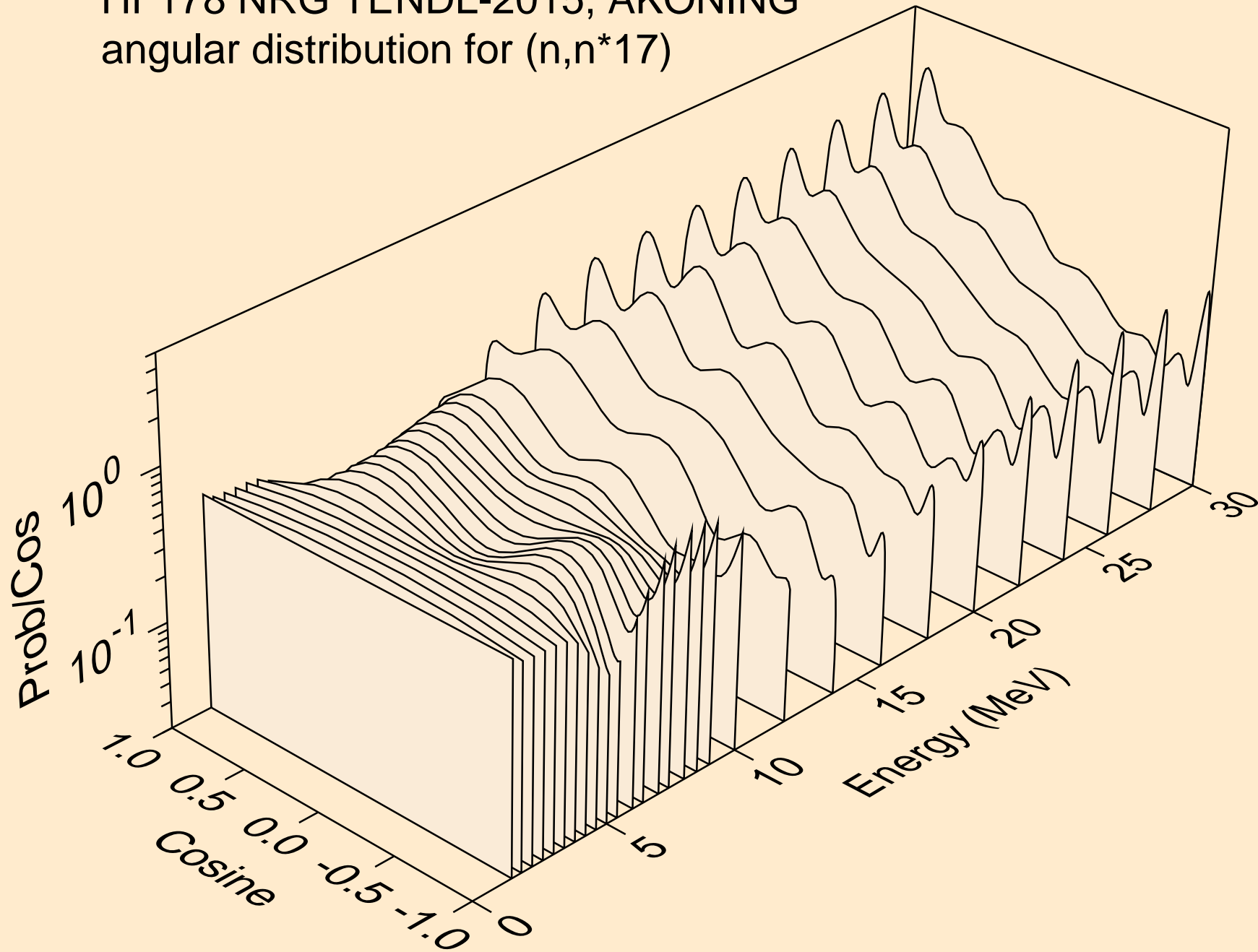
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



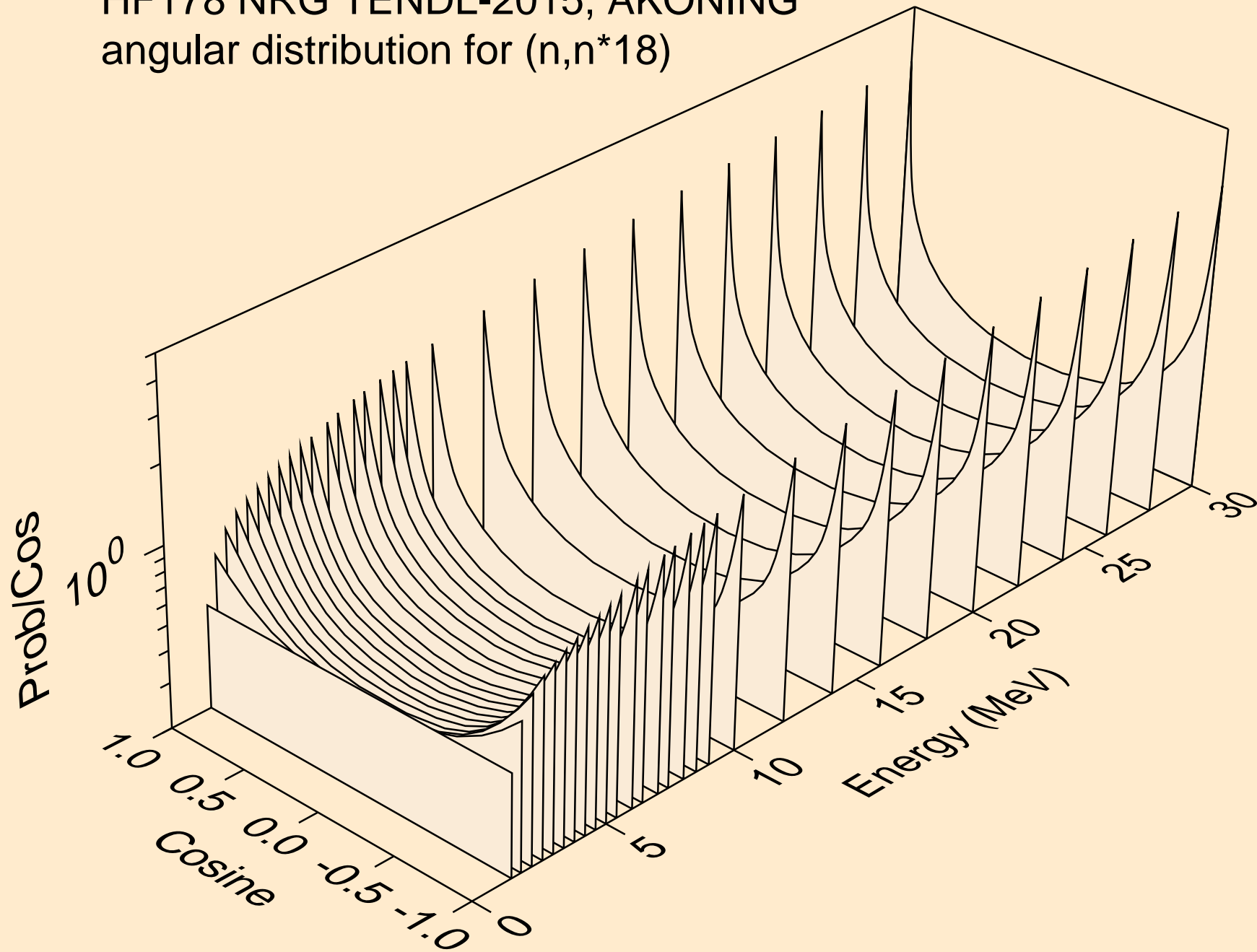
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



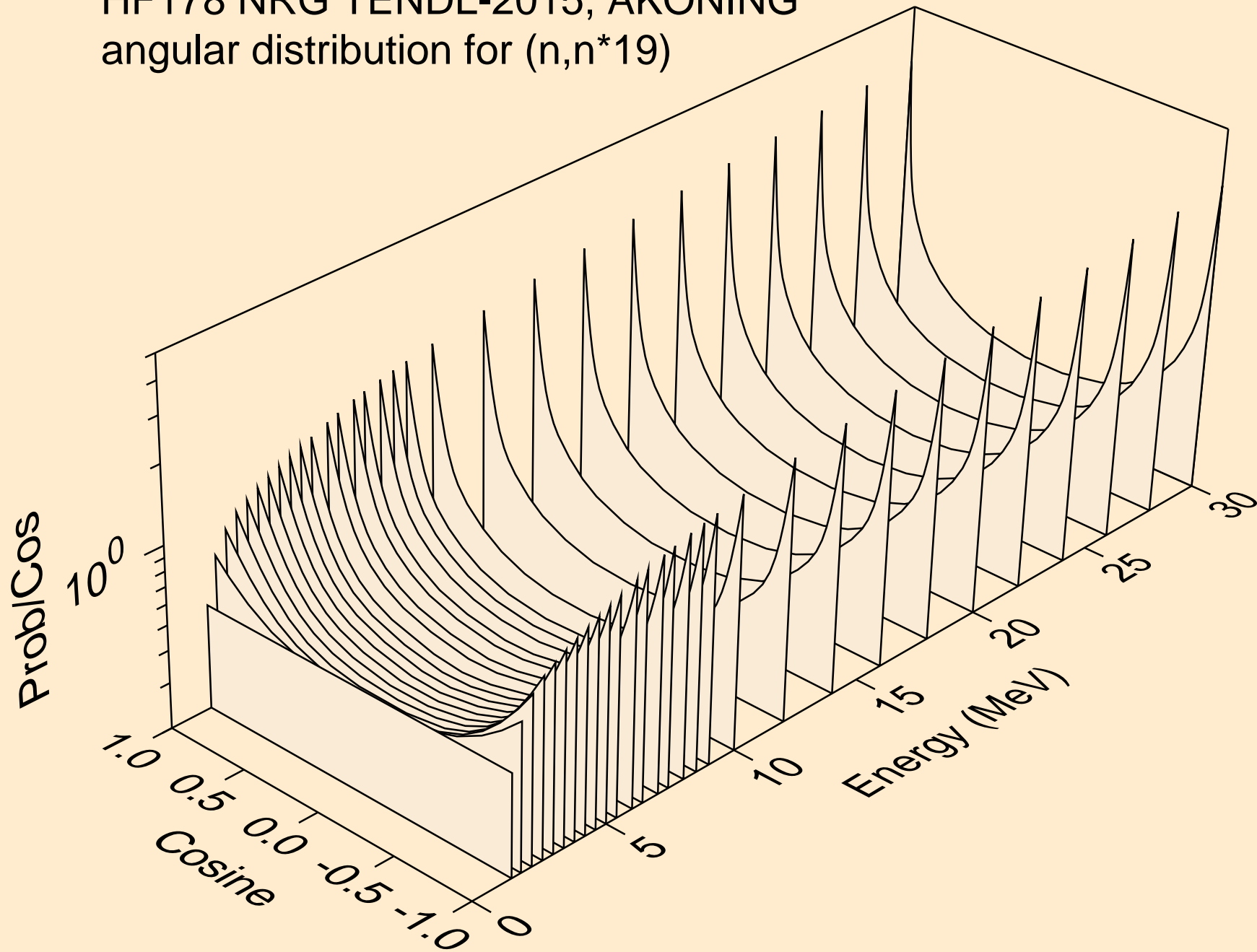
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



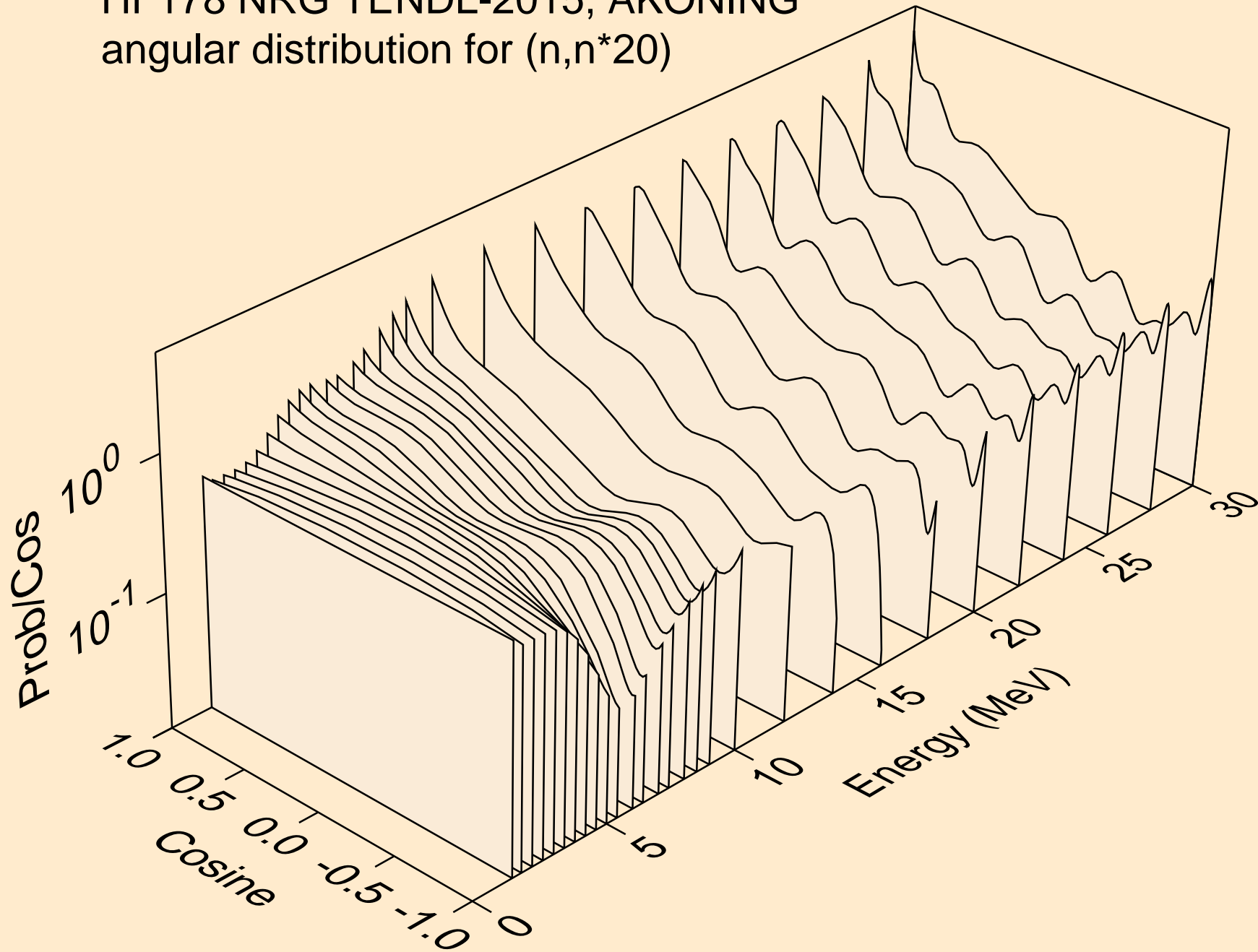
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



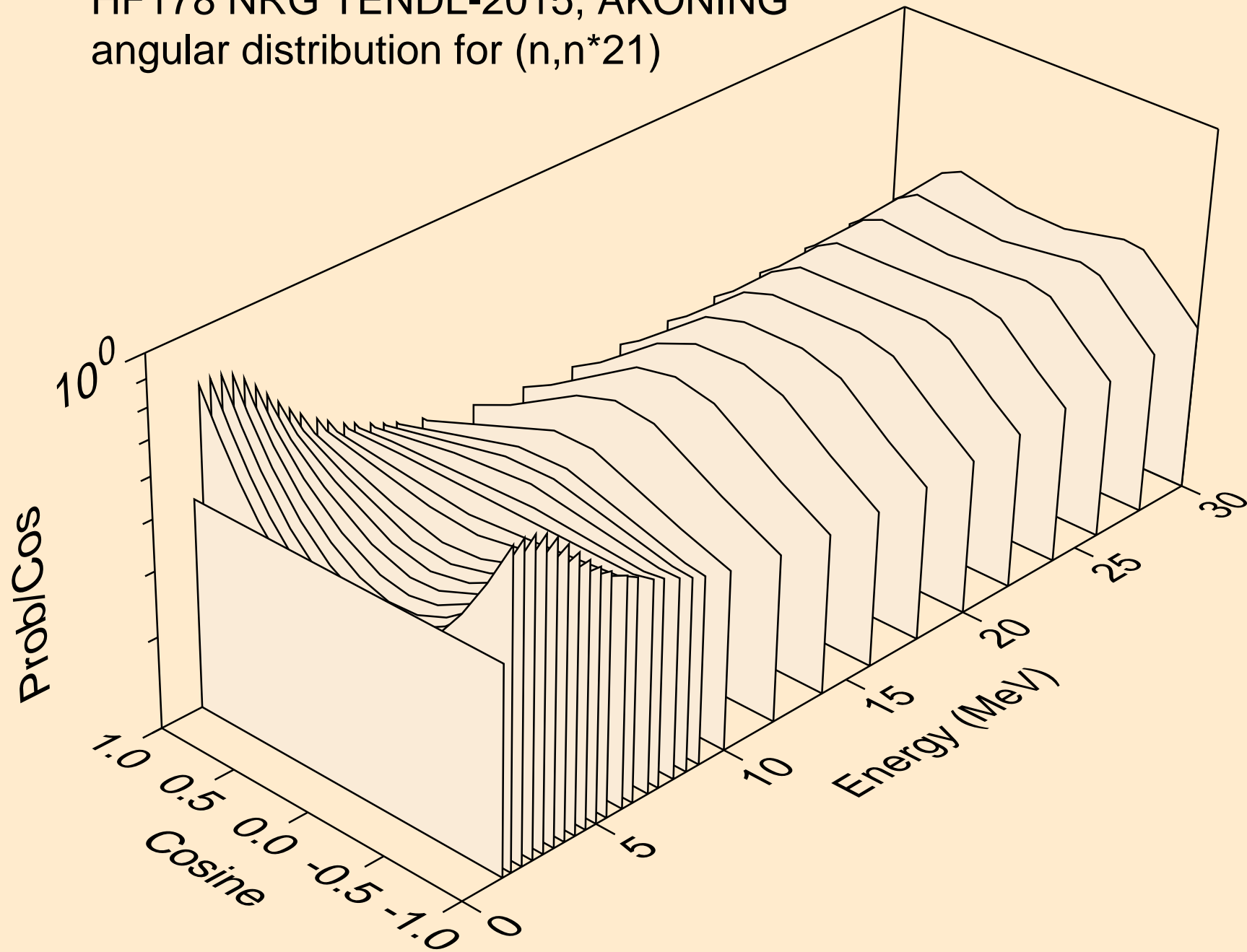
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



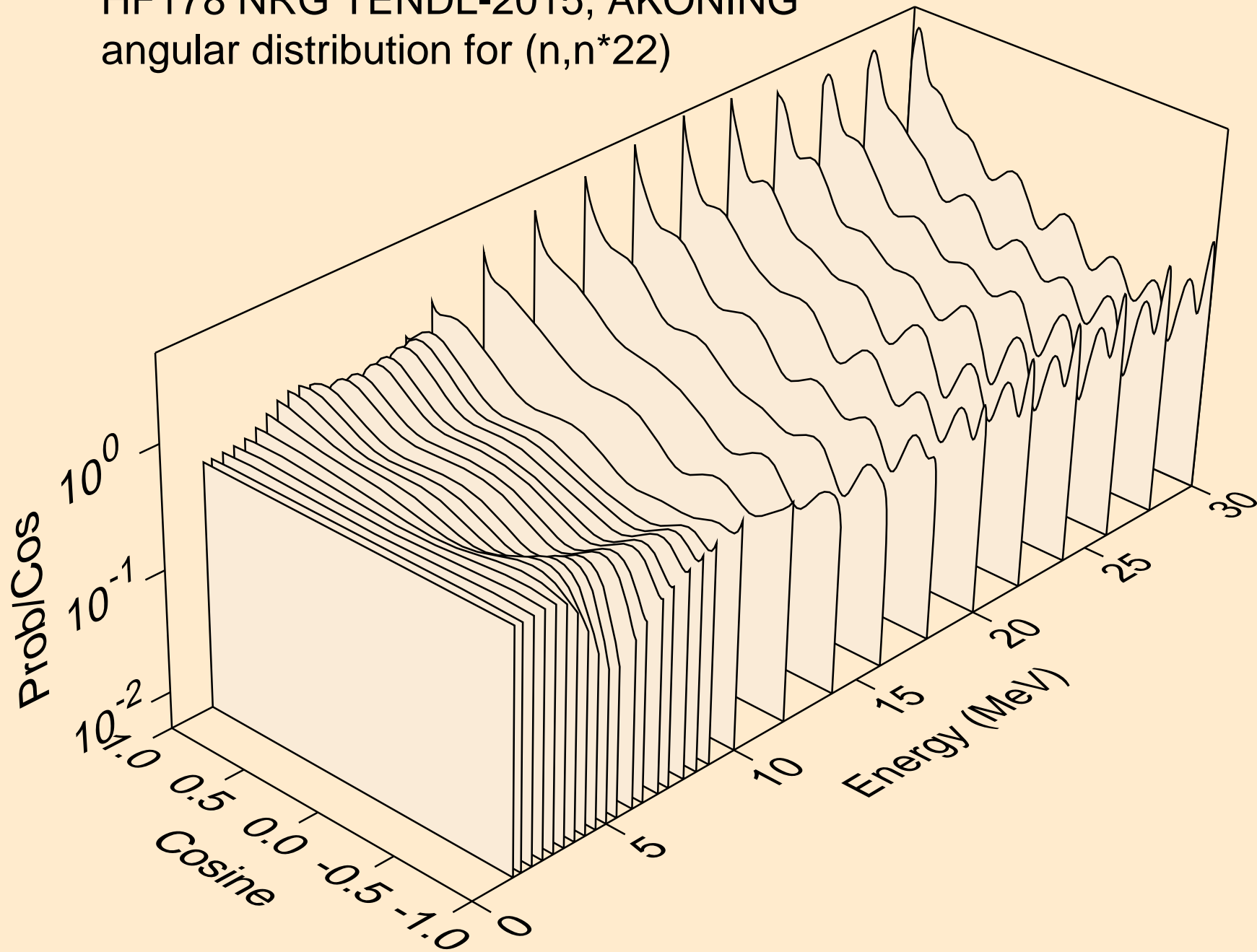
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

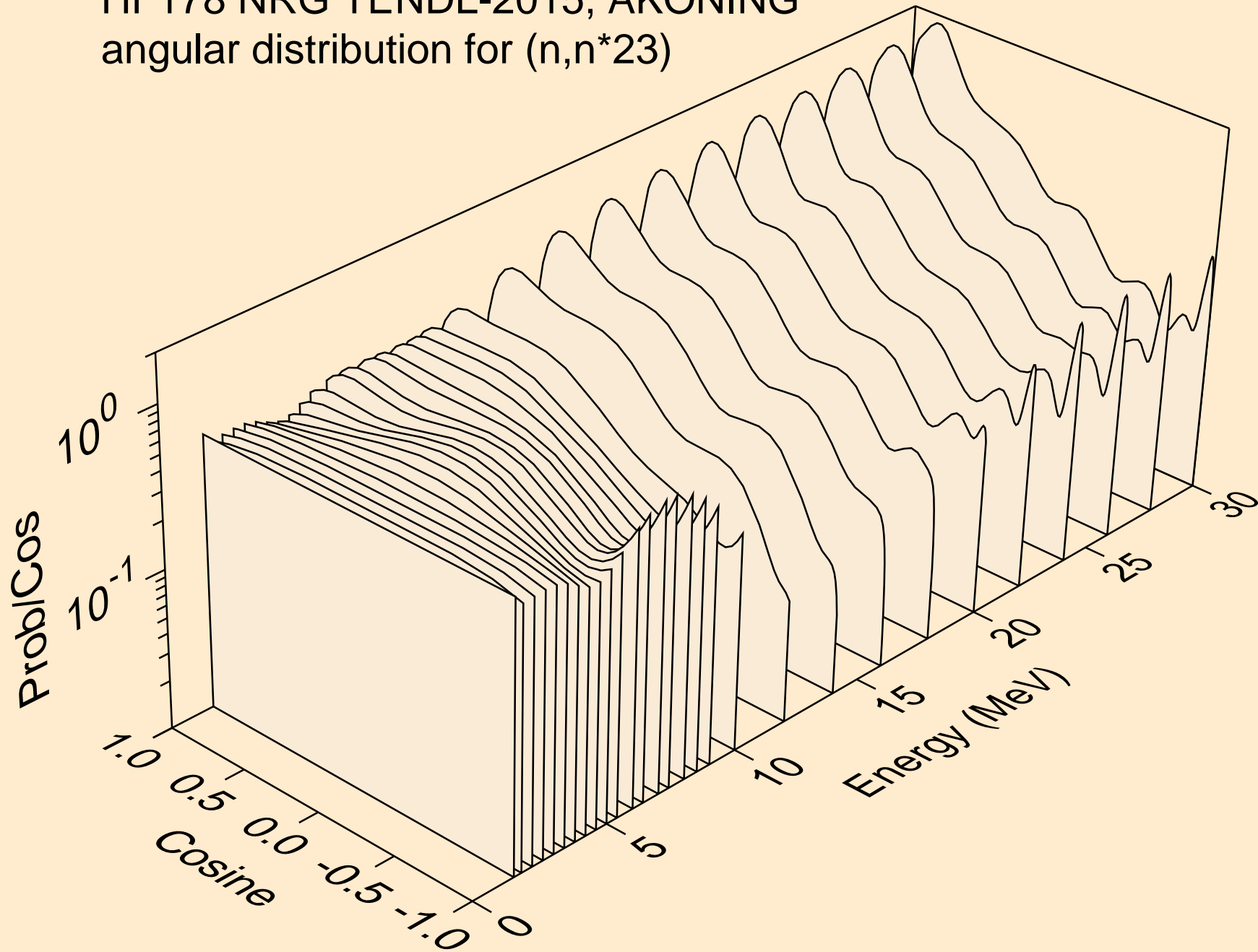


HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

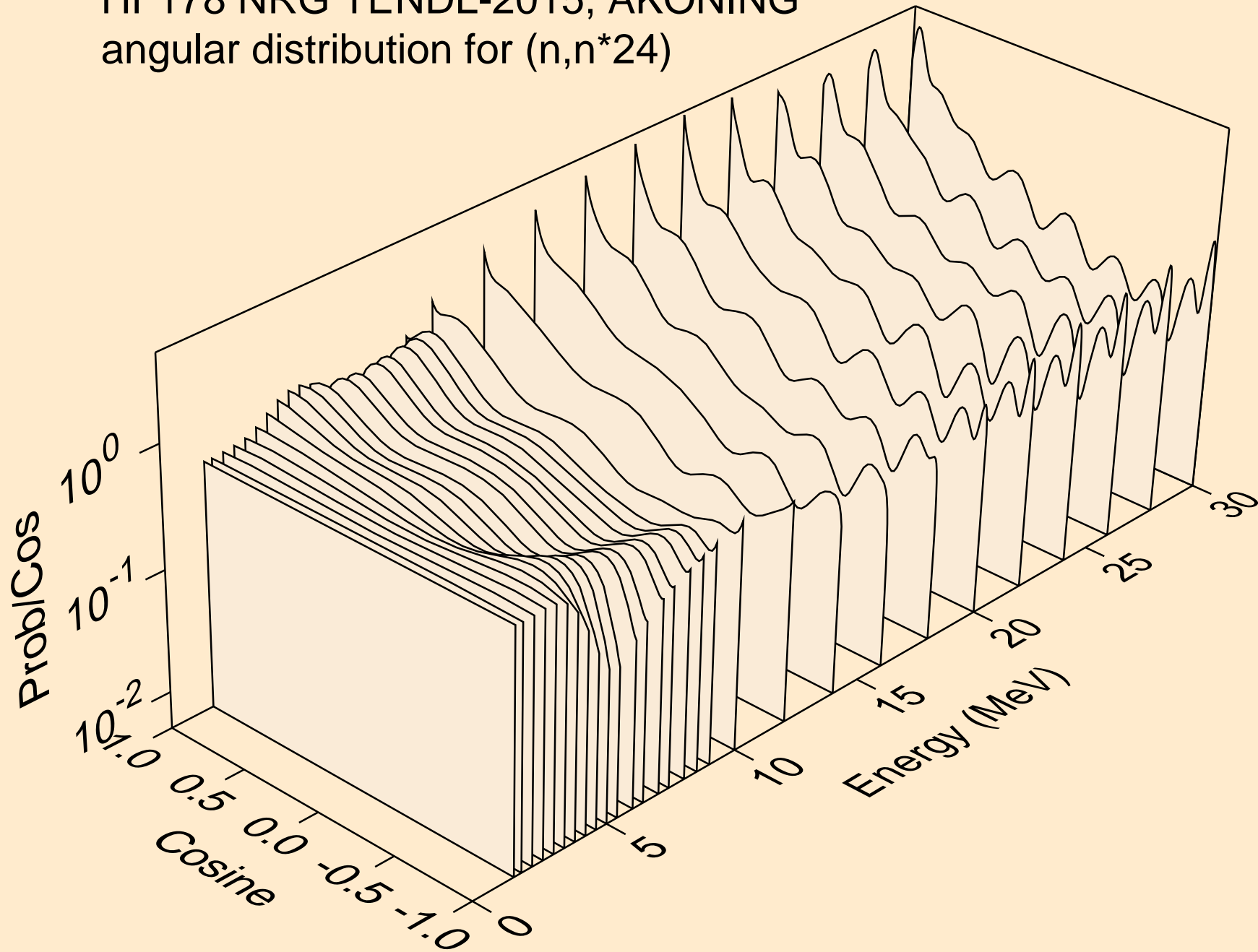




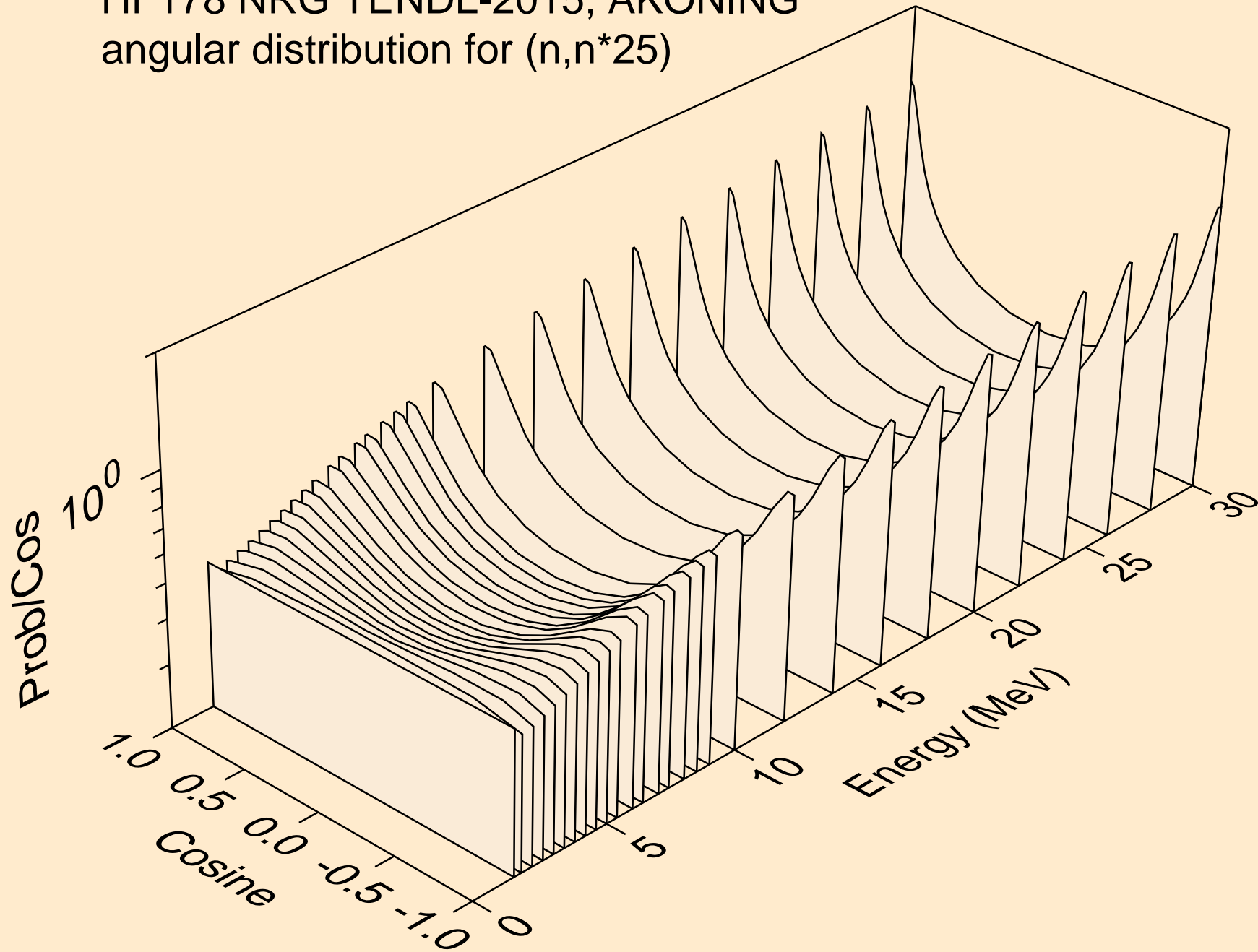
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



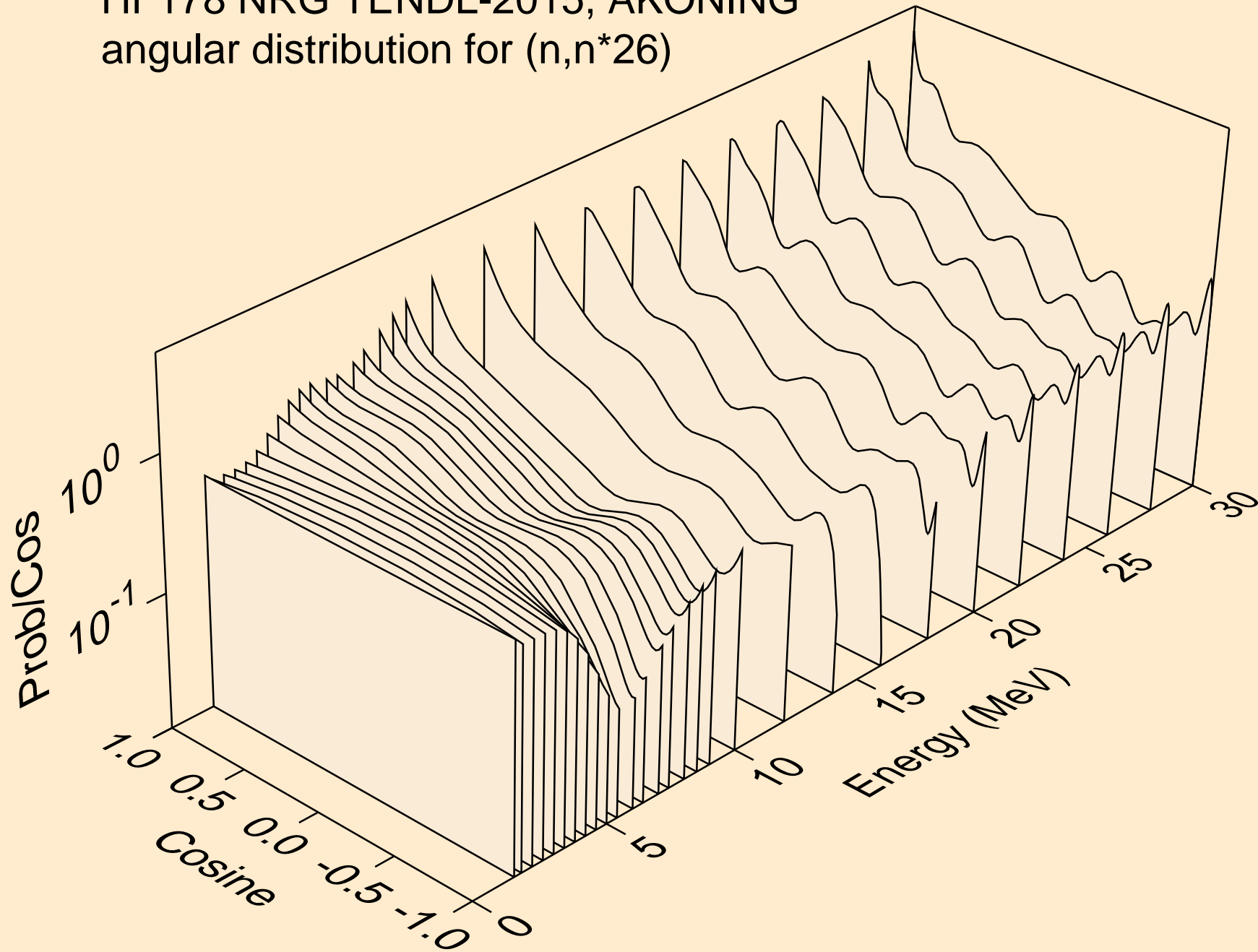
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



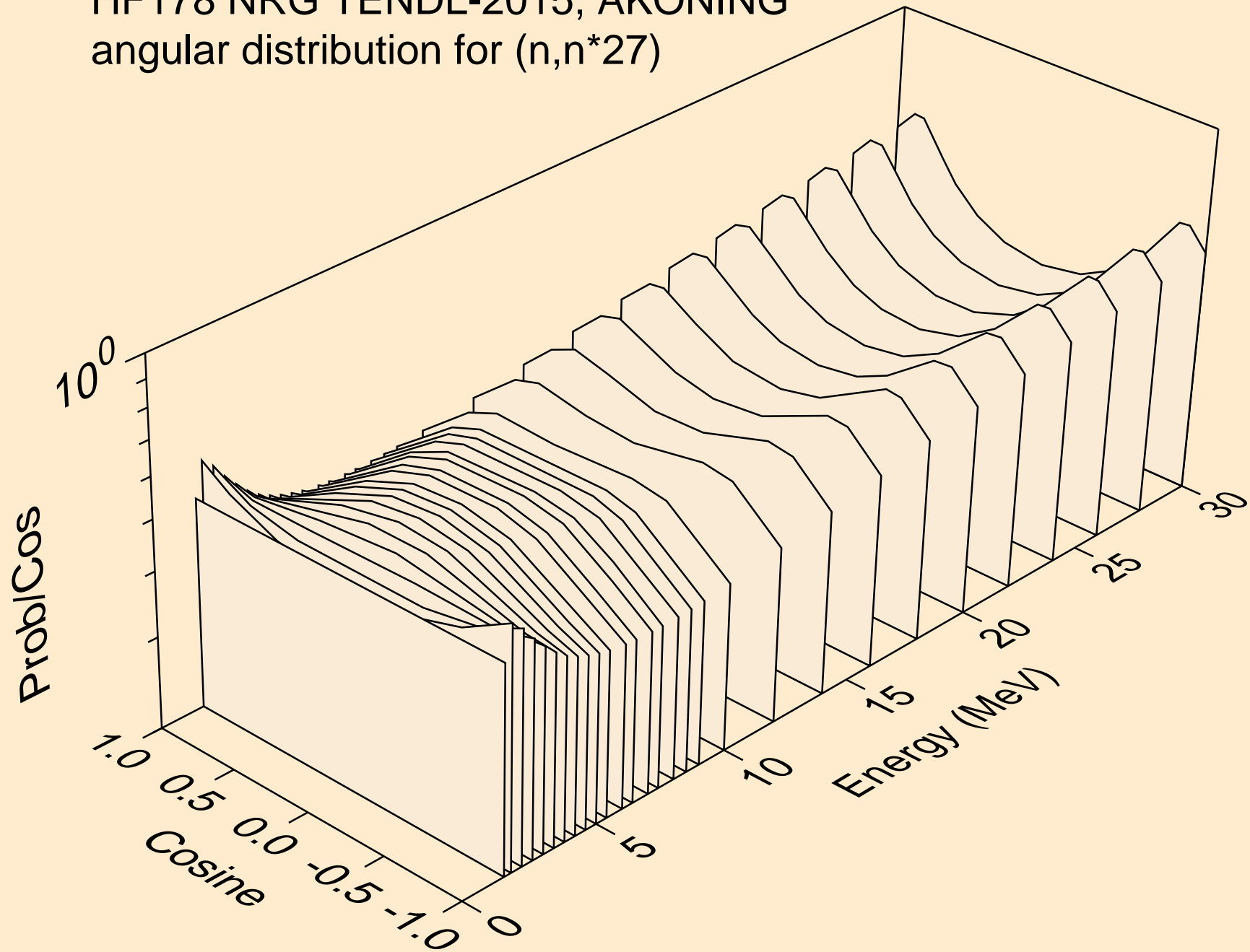
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



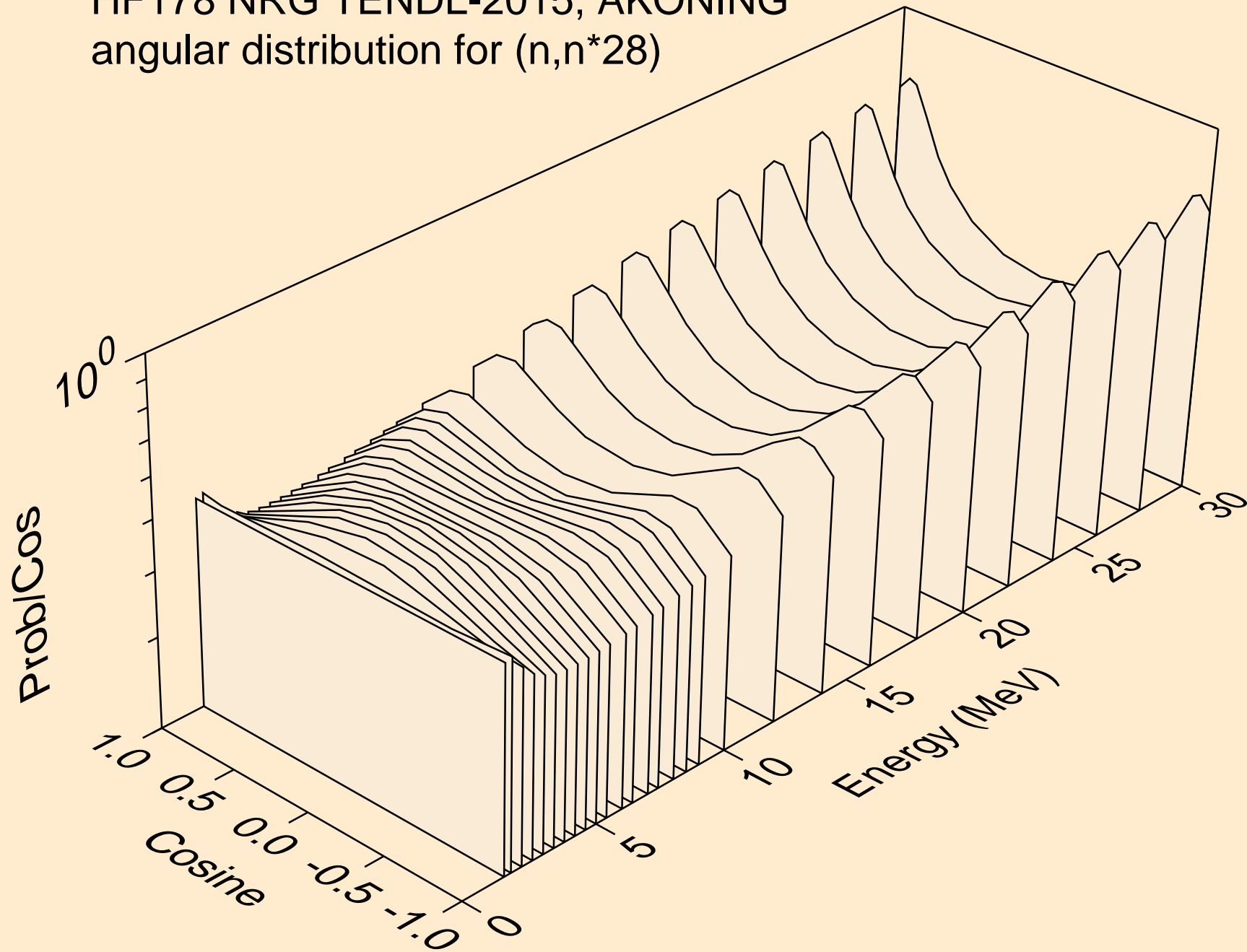
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



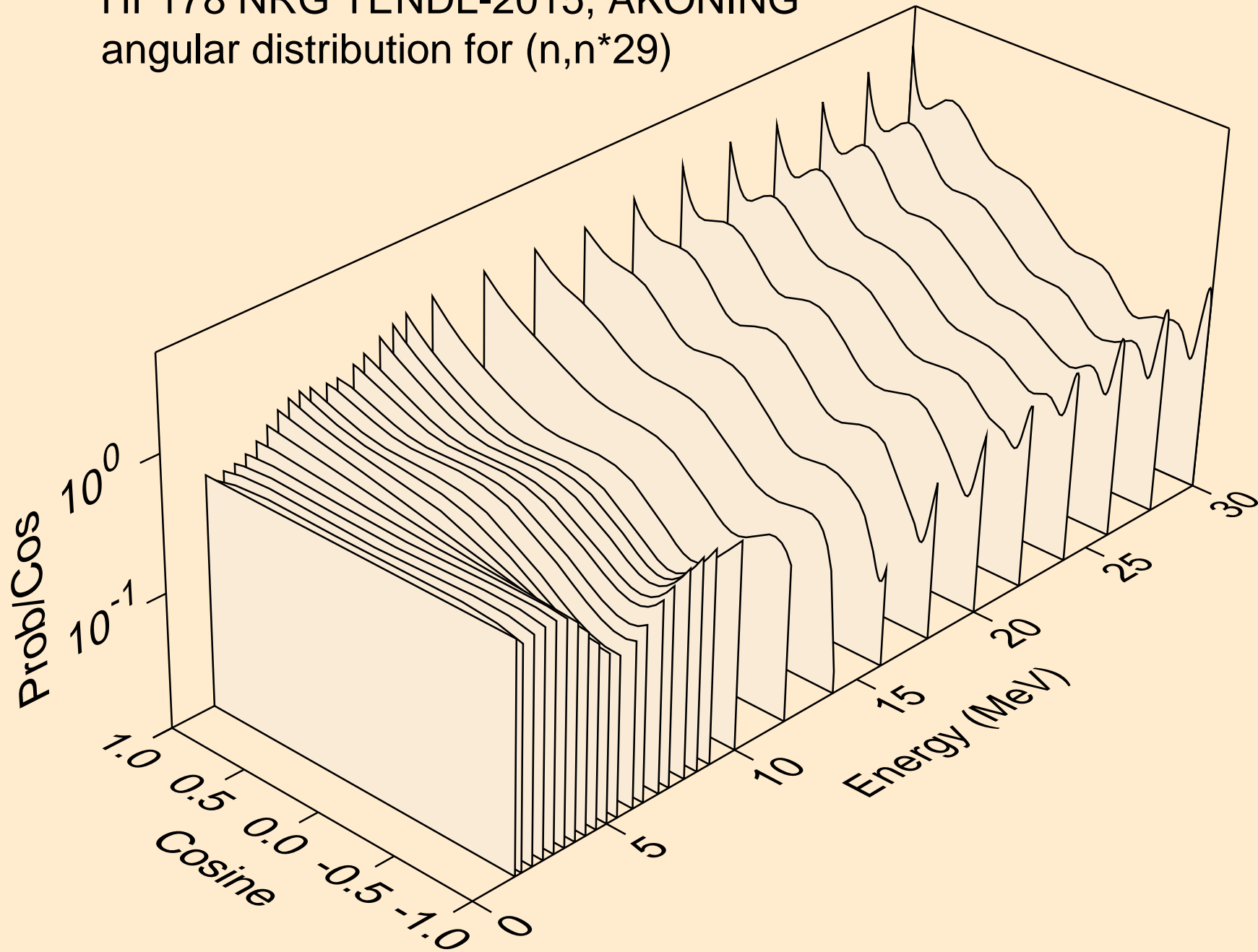
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



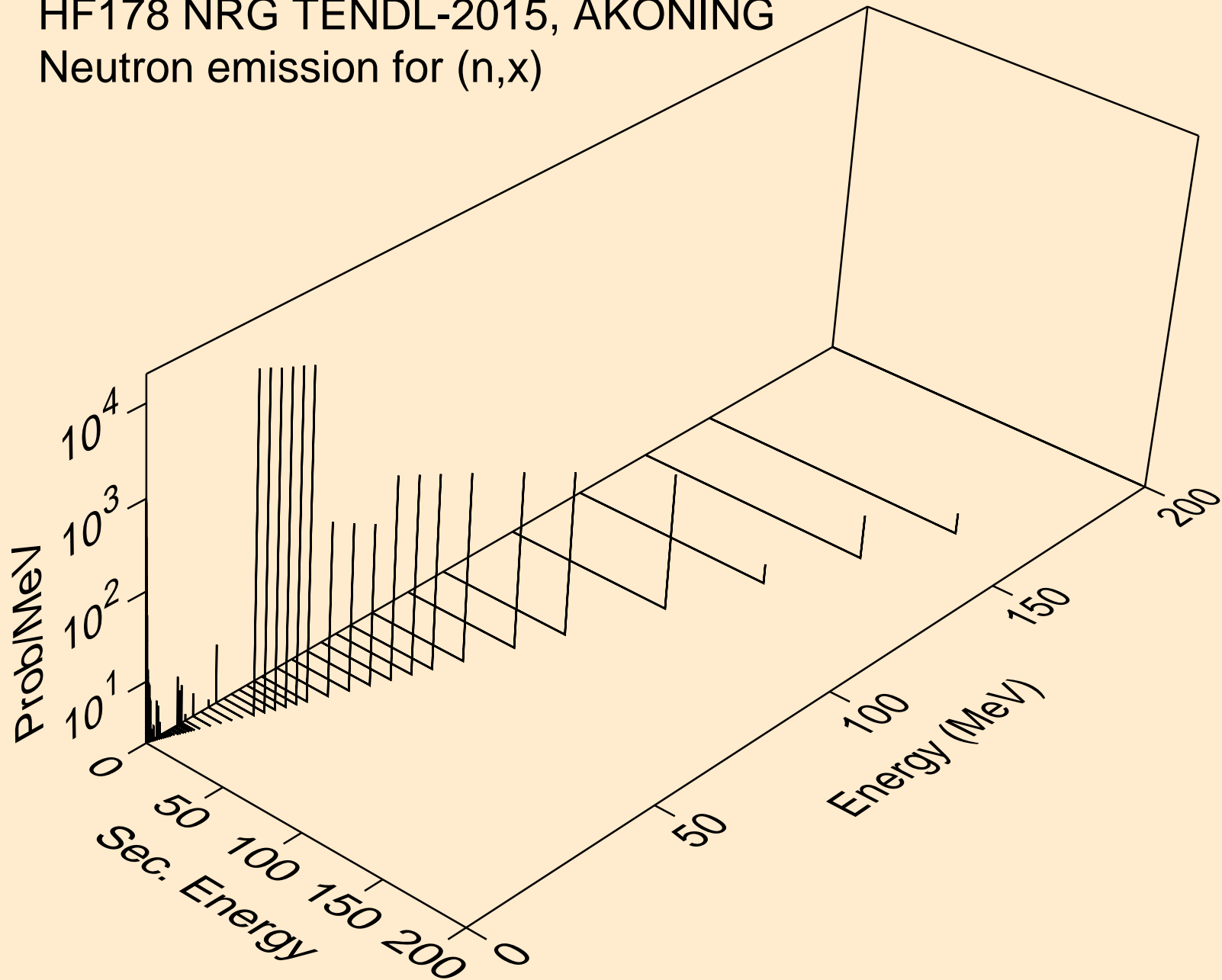
HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



HF178 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

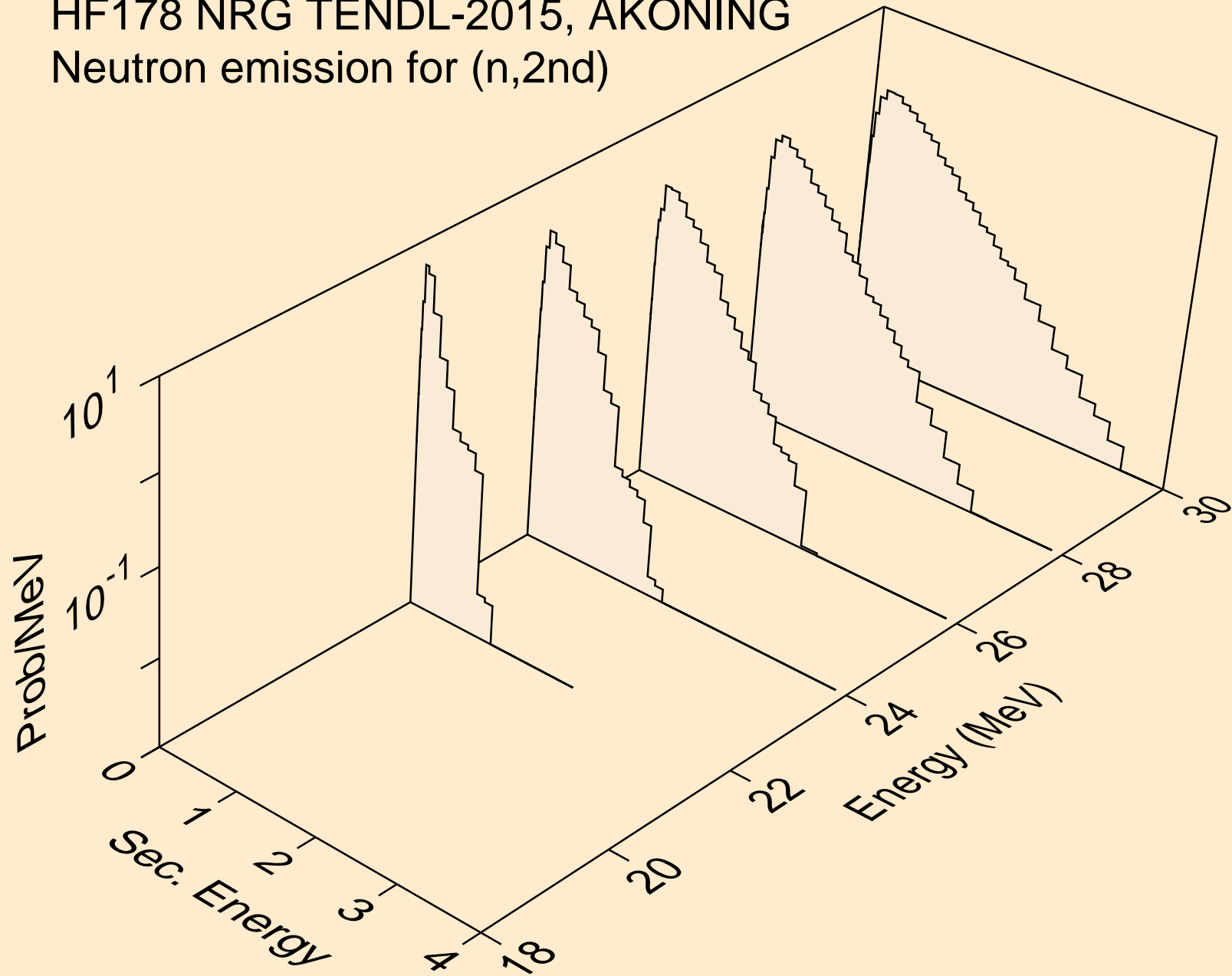


HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

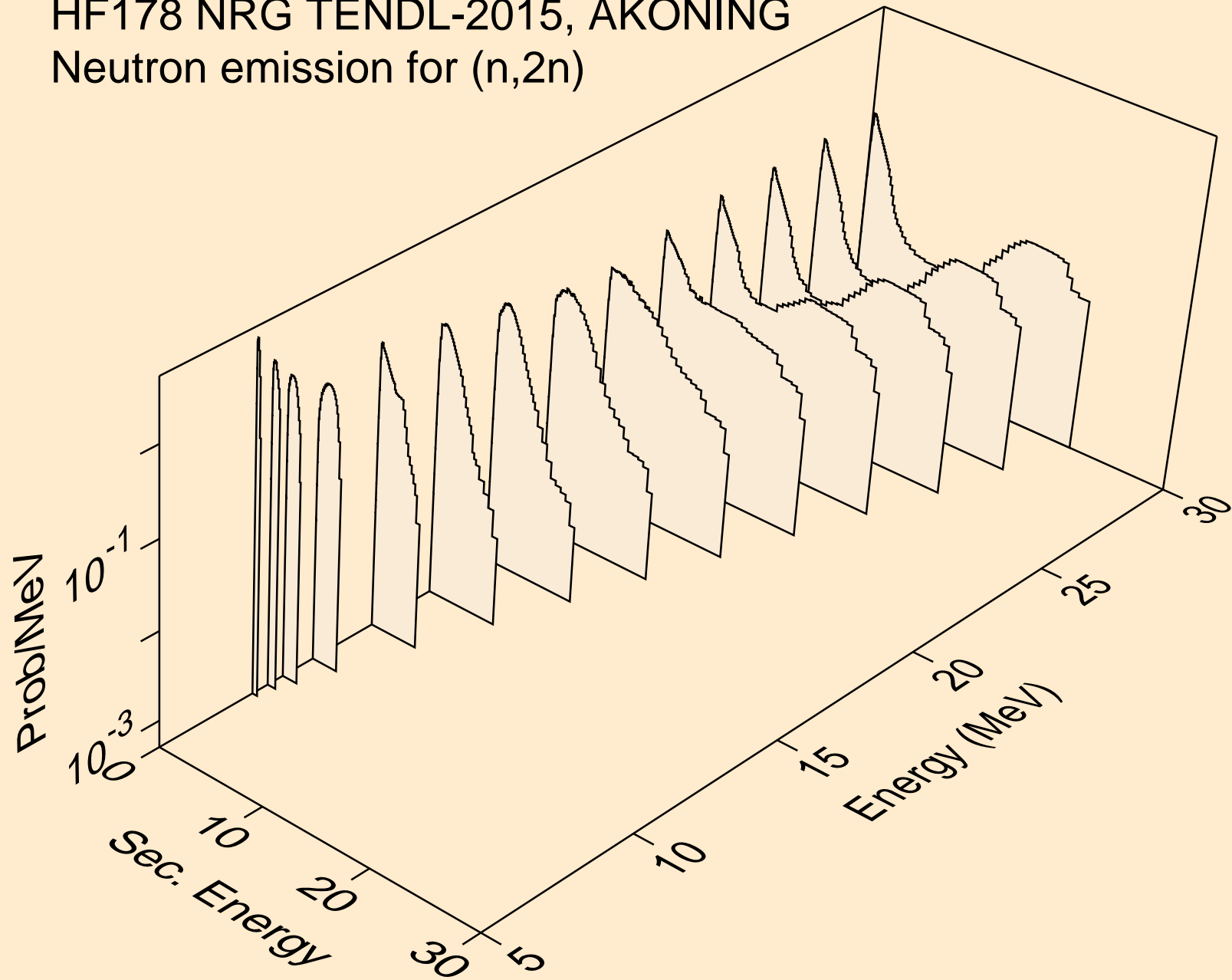




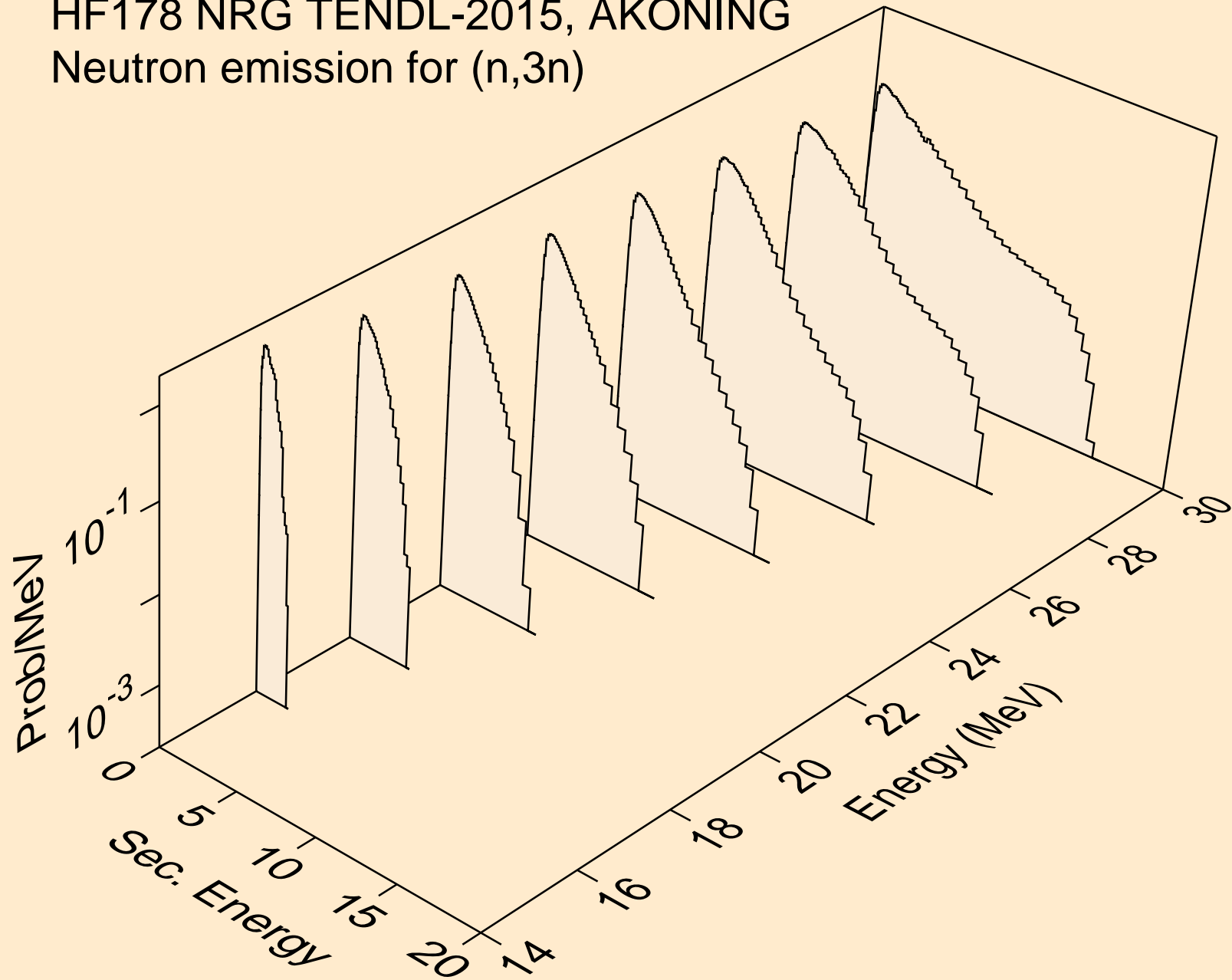
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



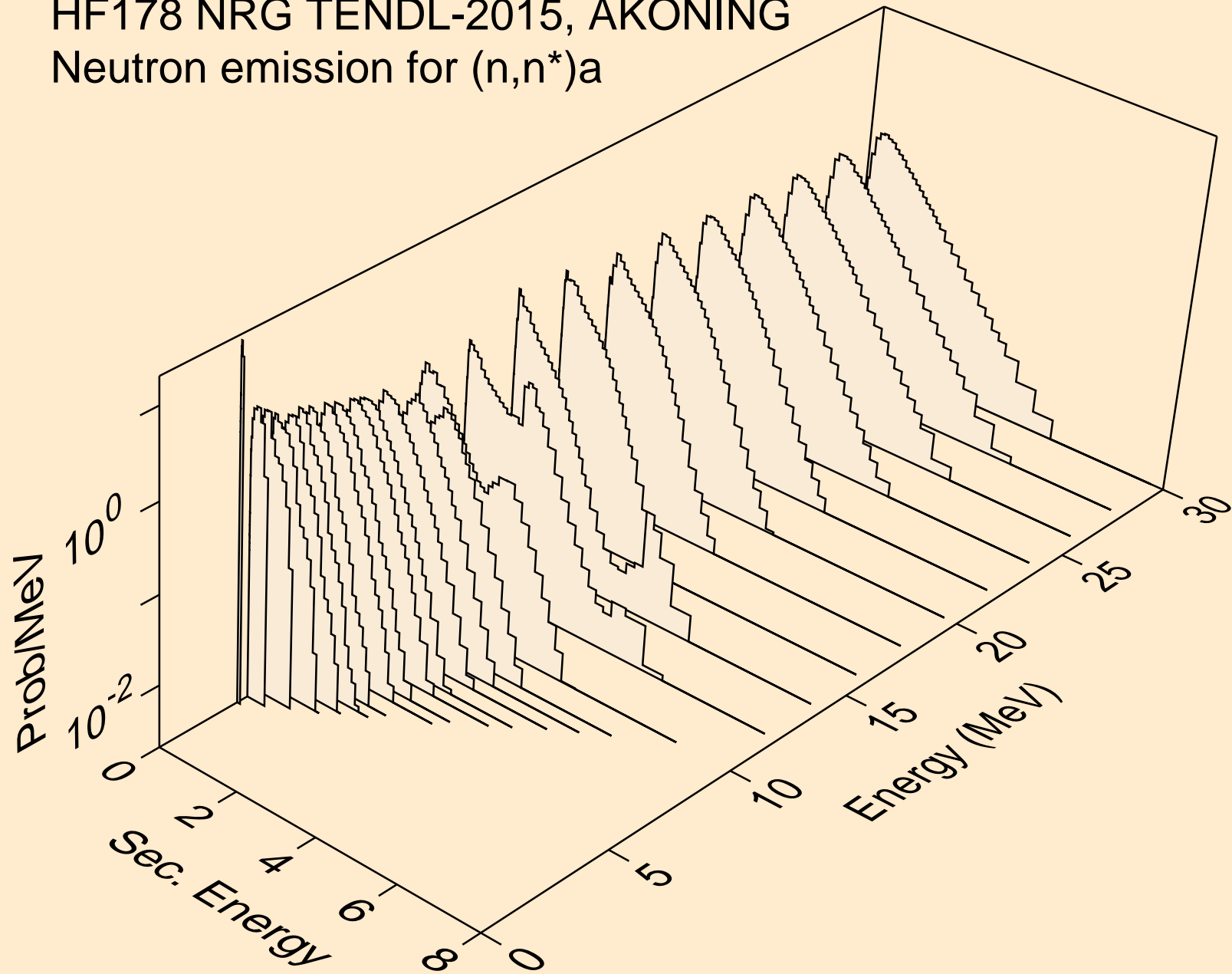
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



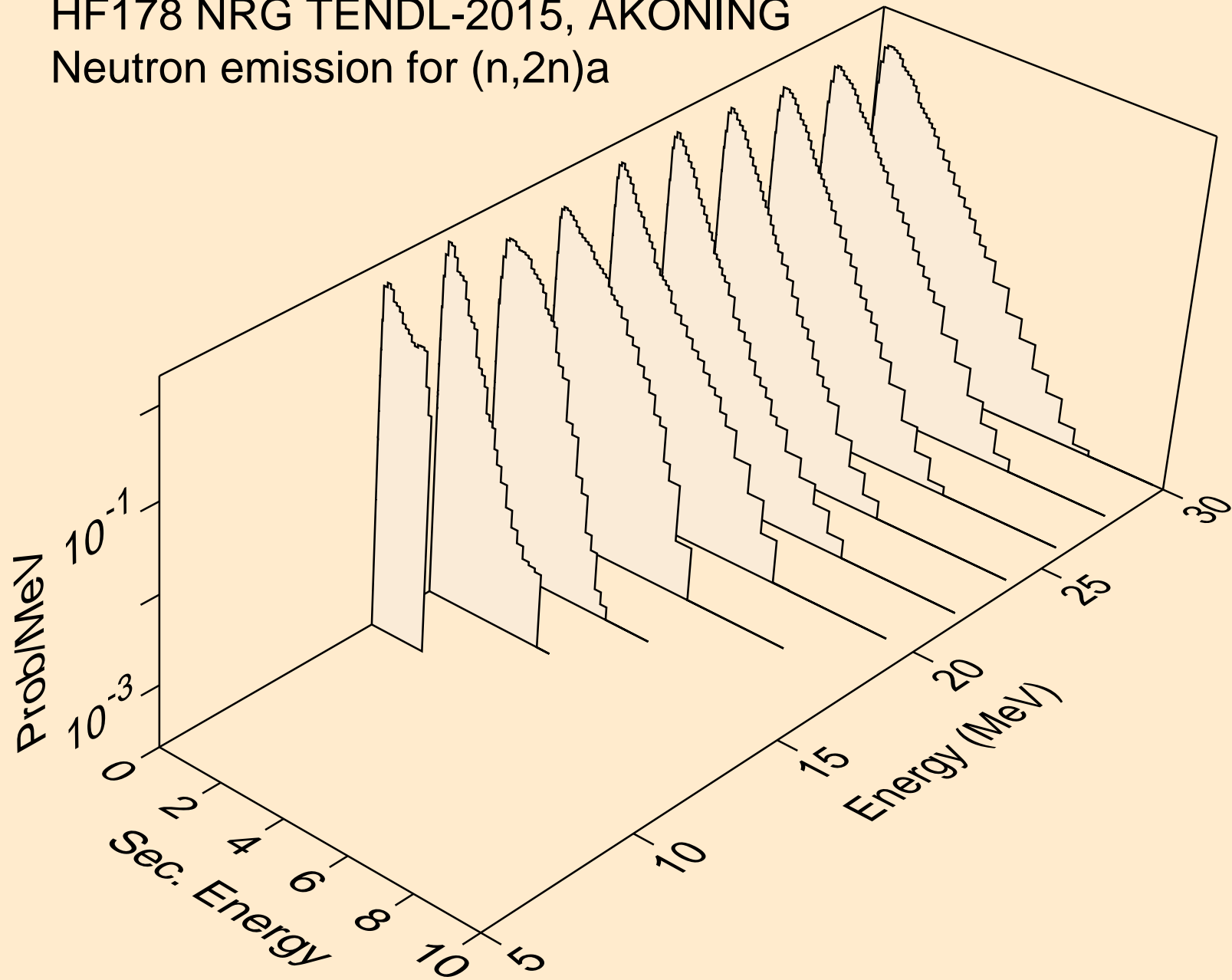
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



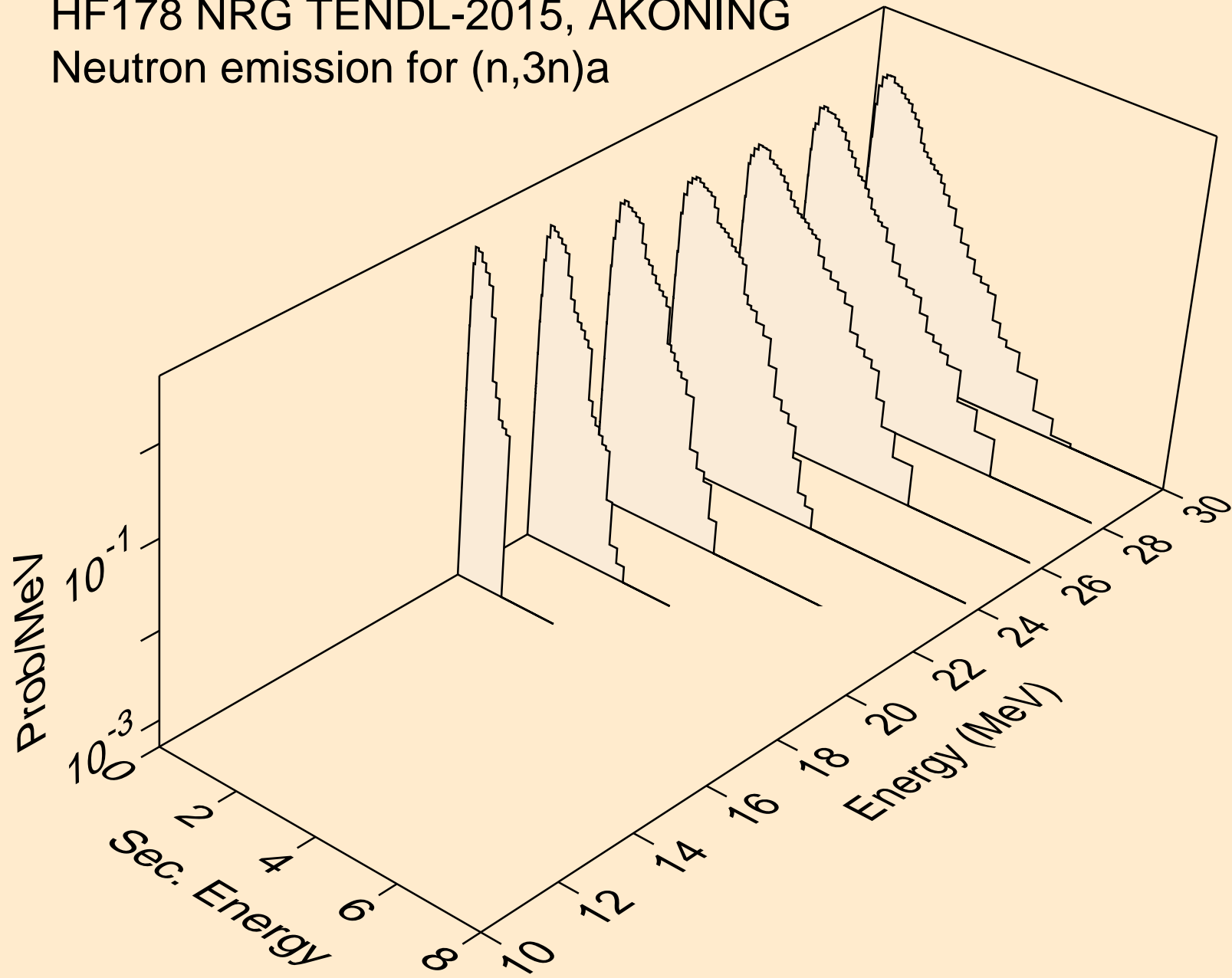
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



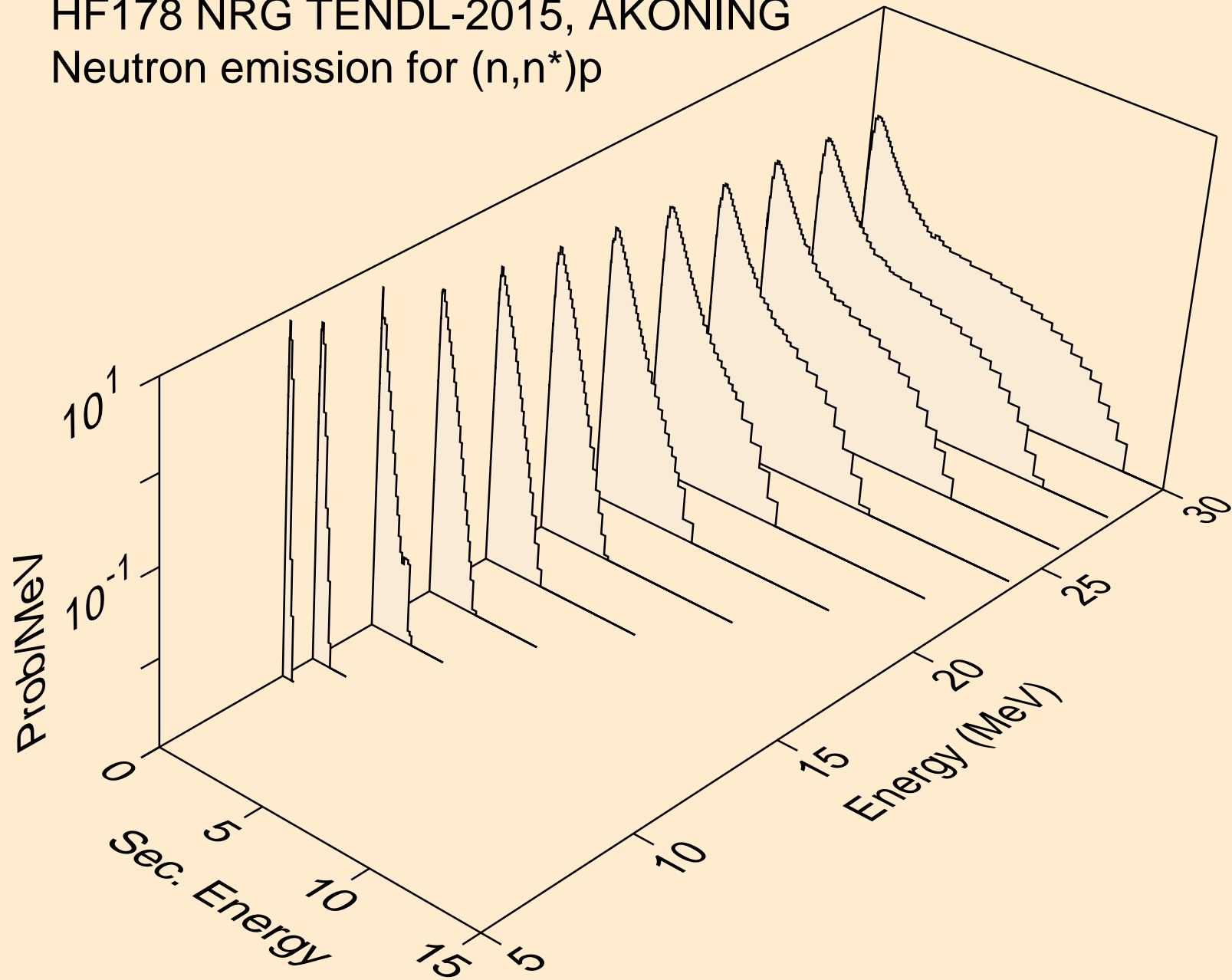
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



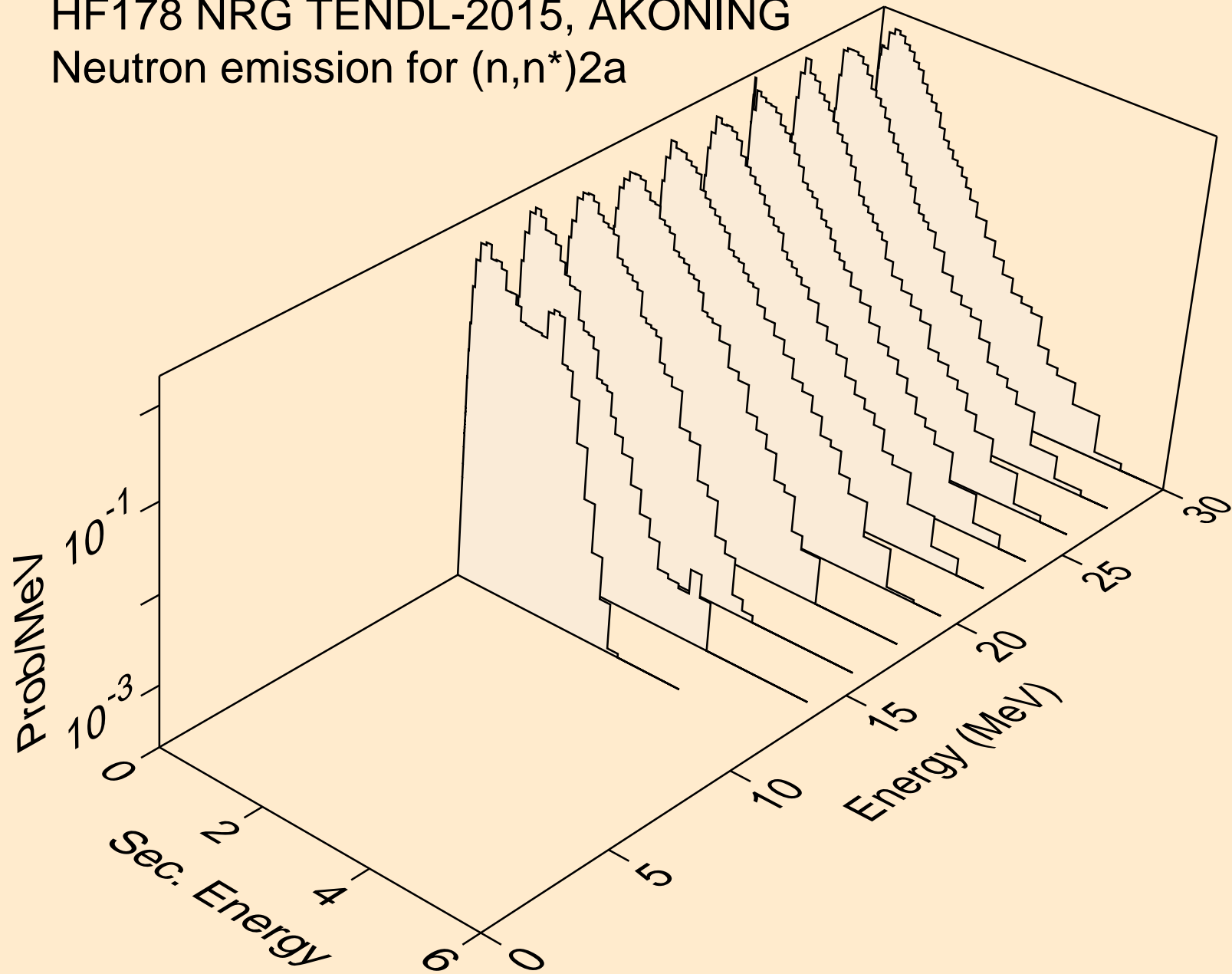
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

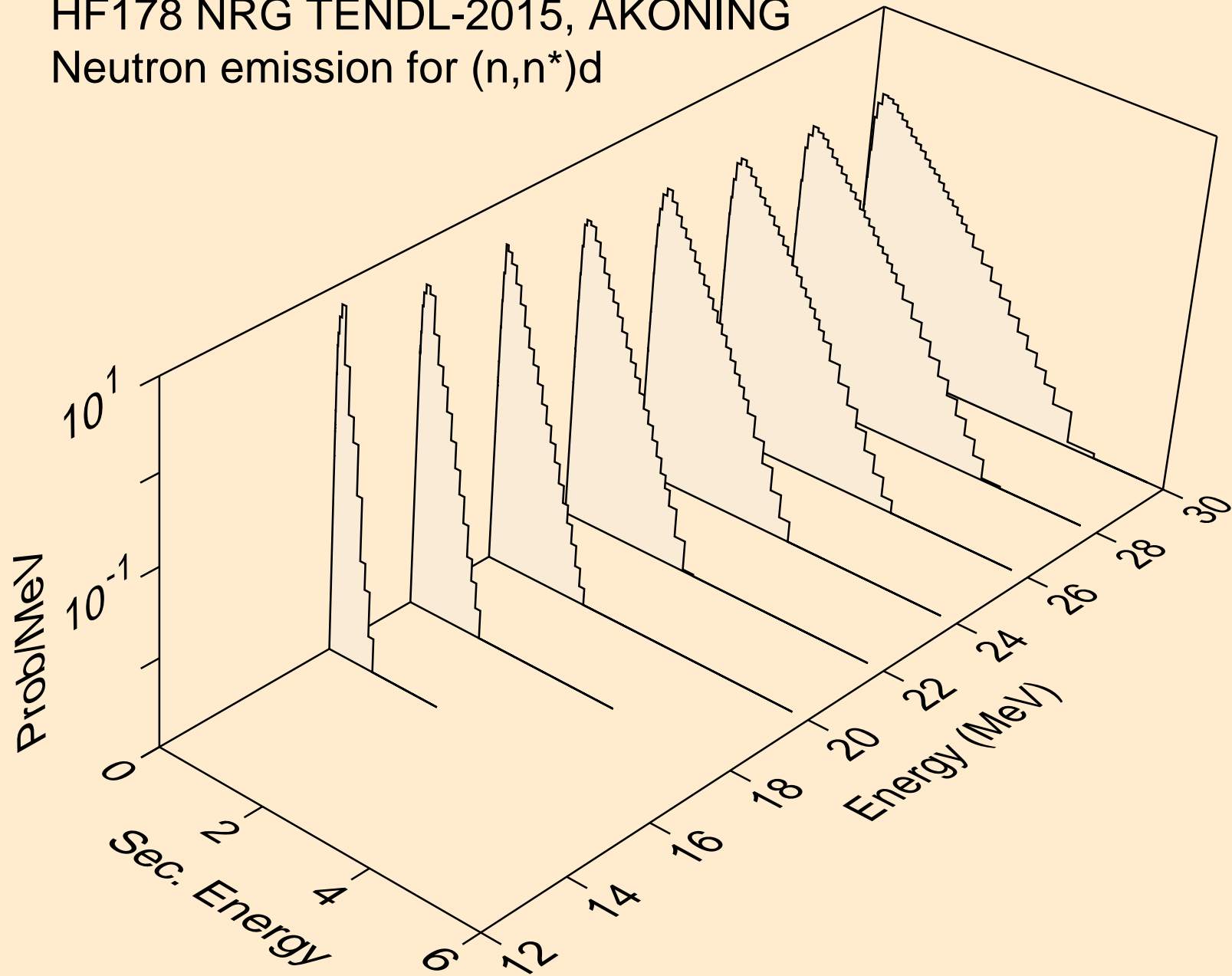


HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

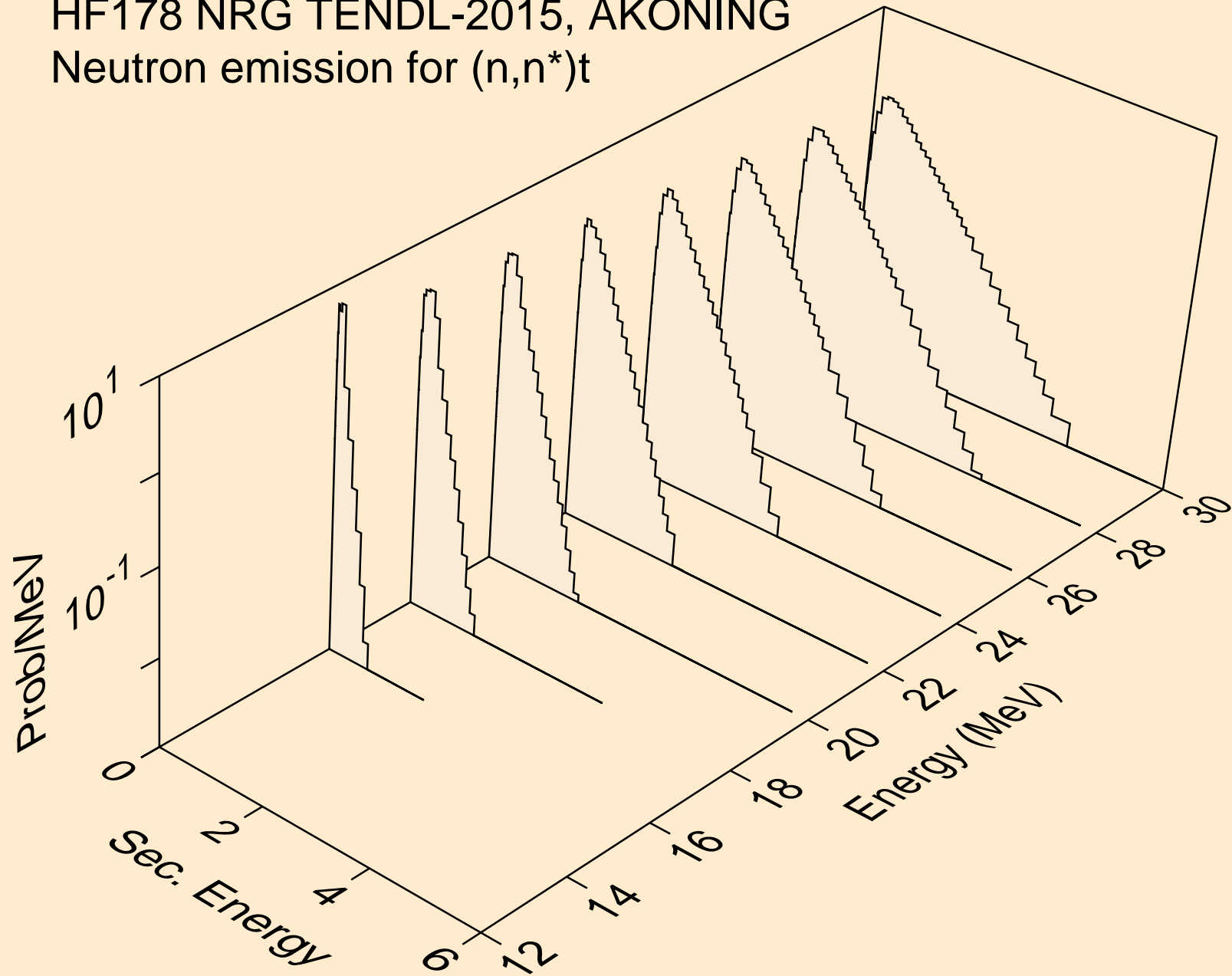




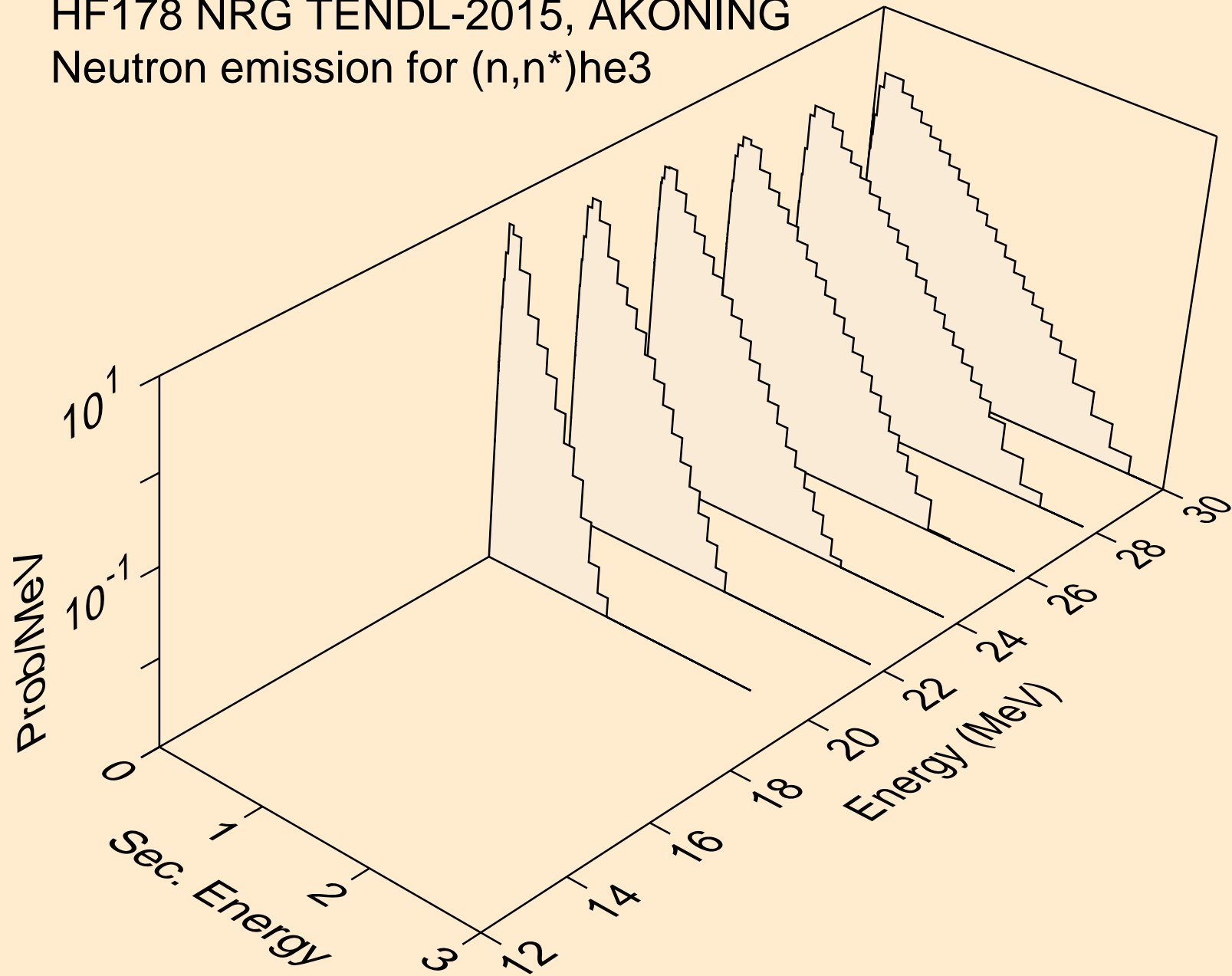
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



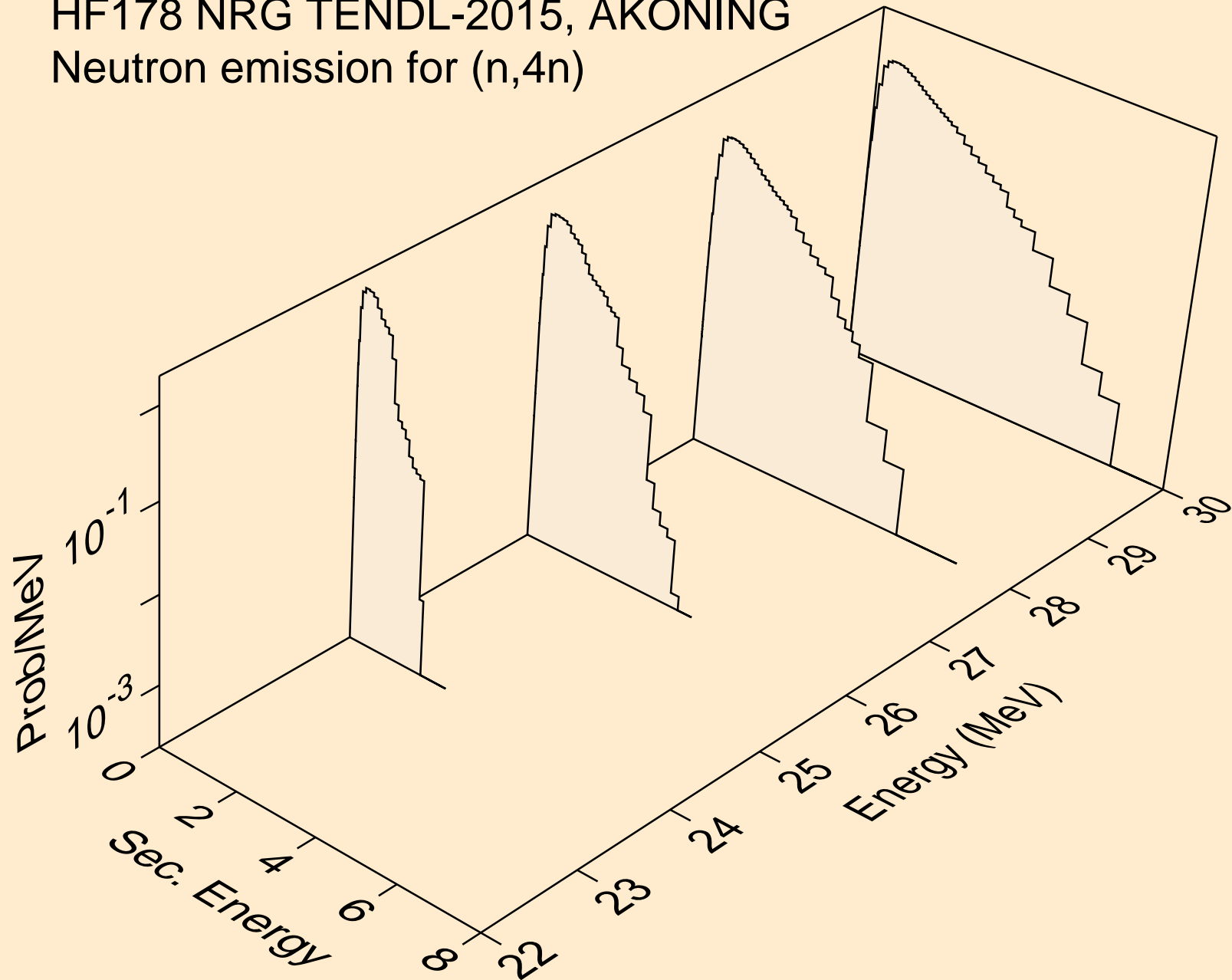
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



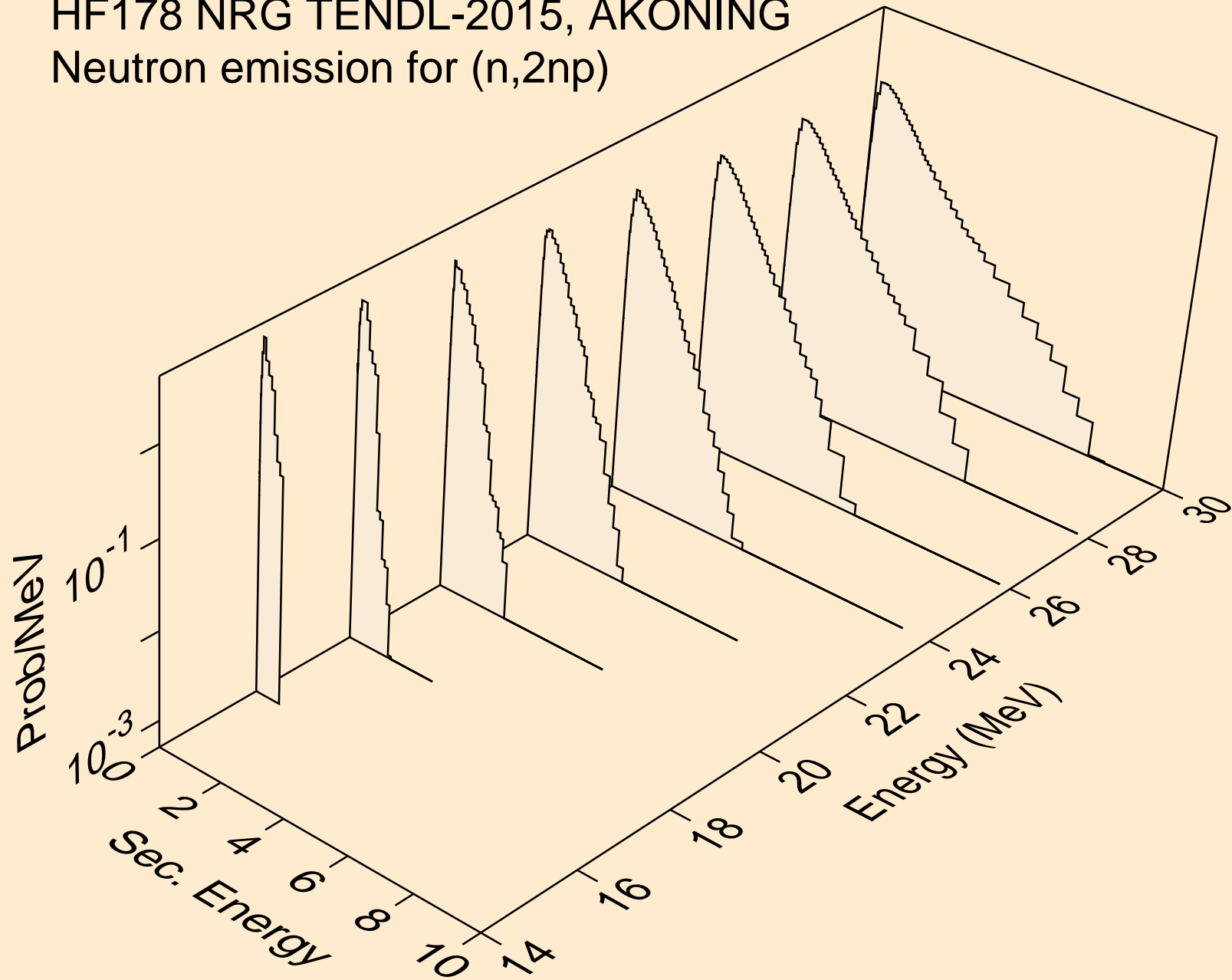
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



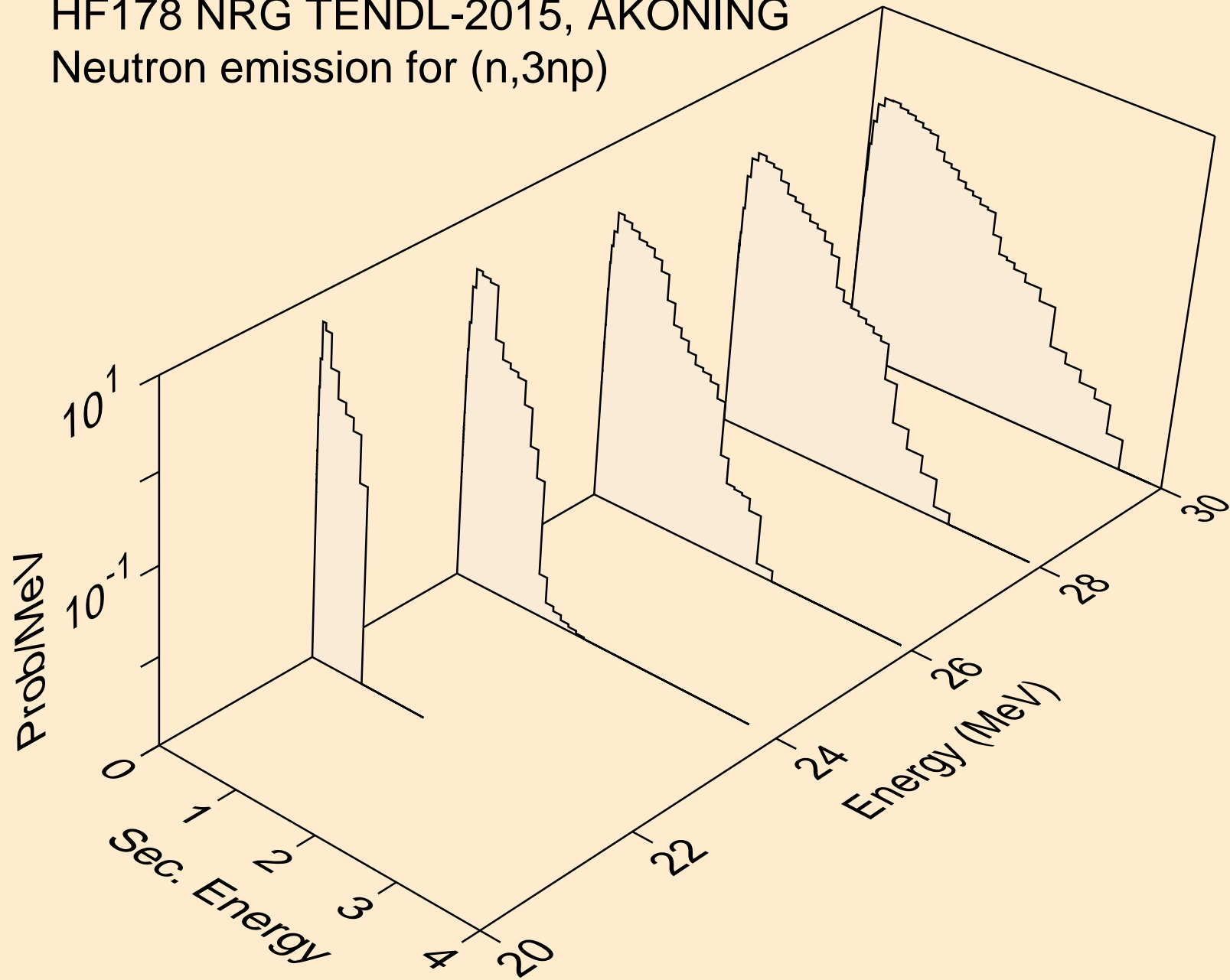
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



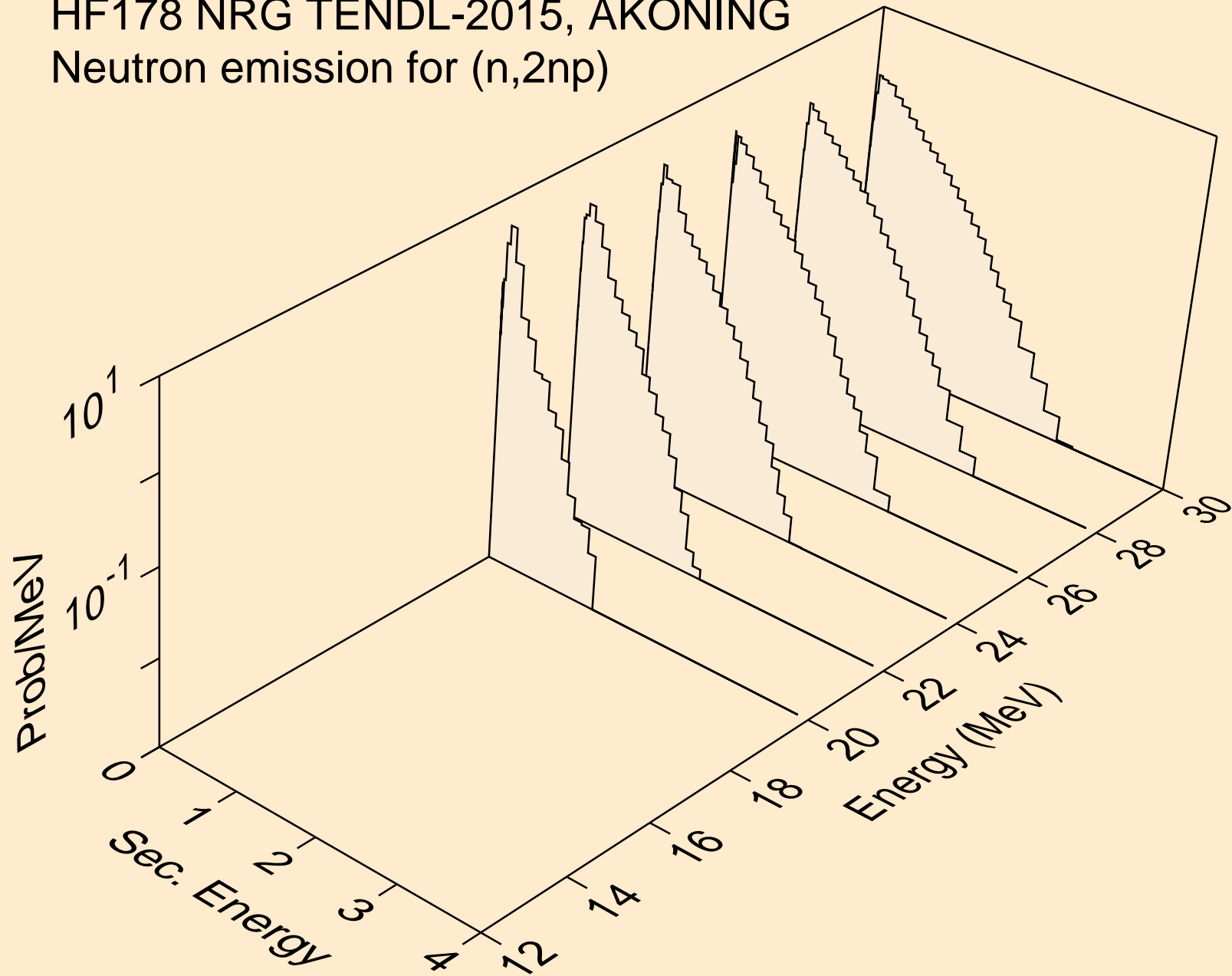
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



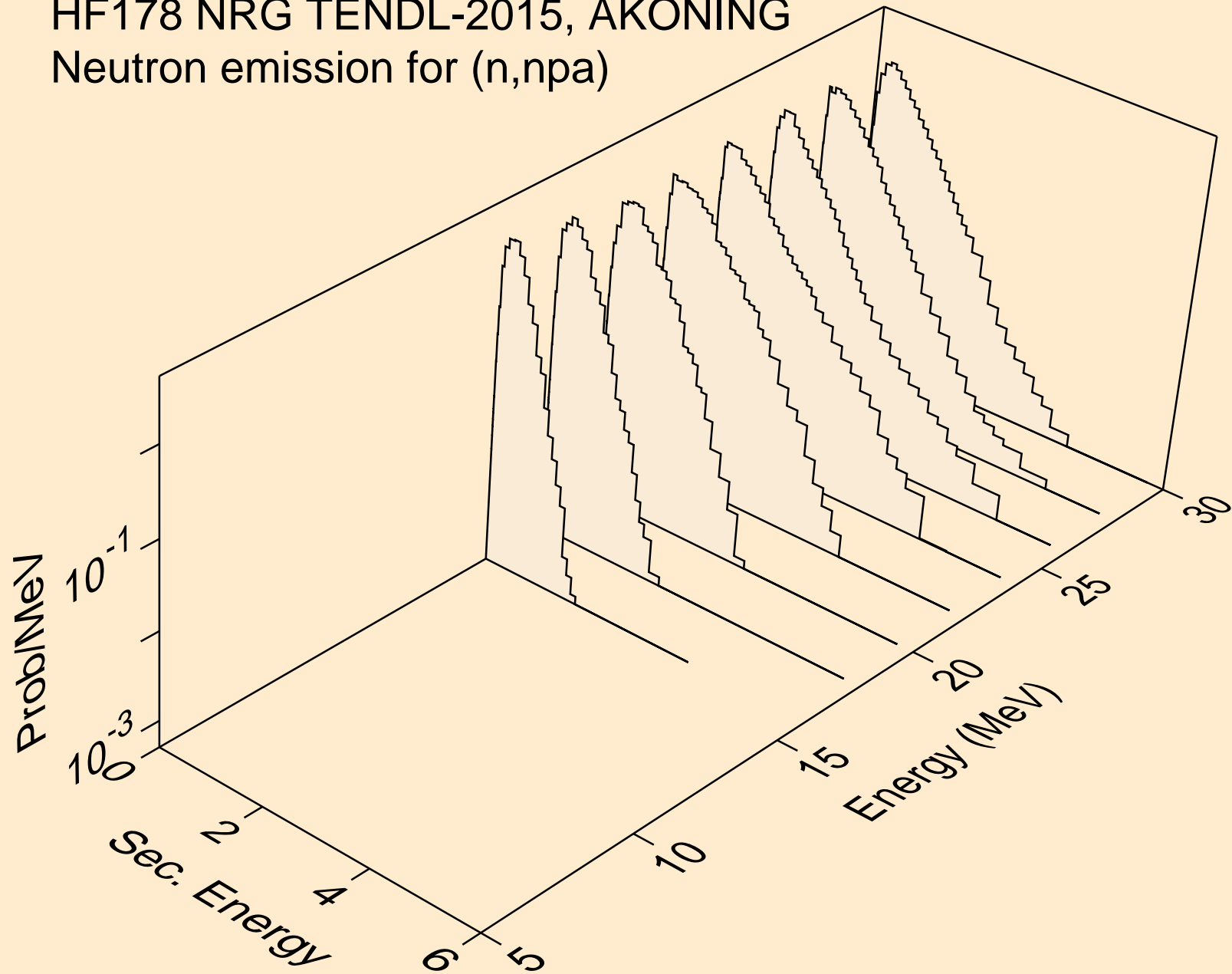
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

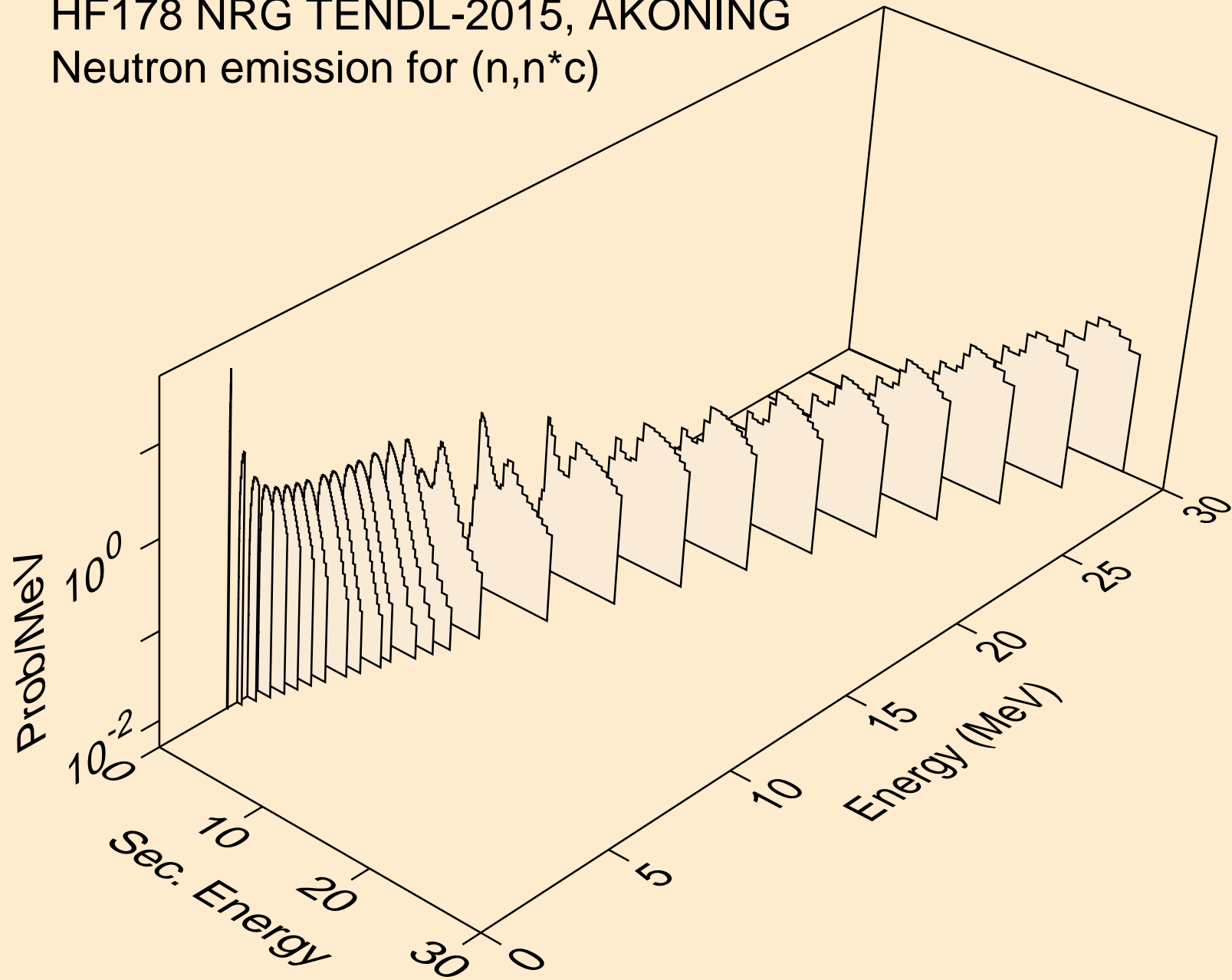


HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

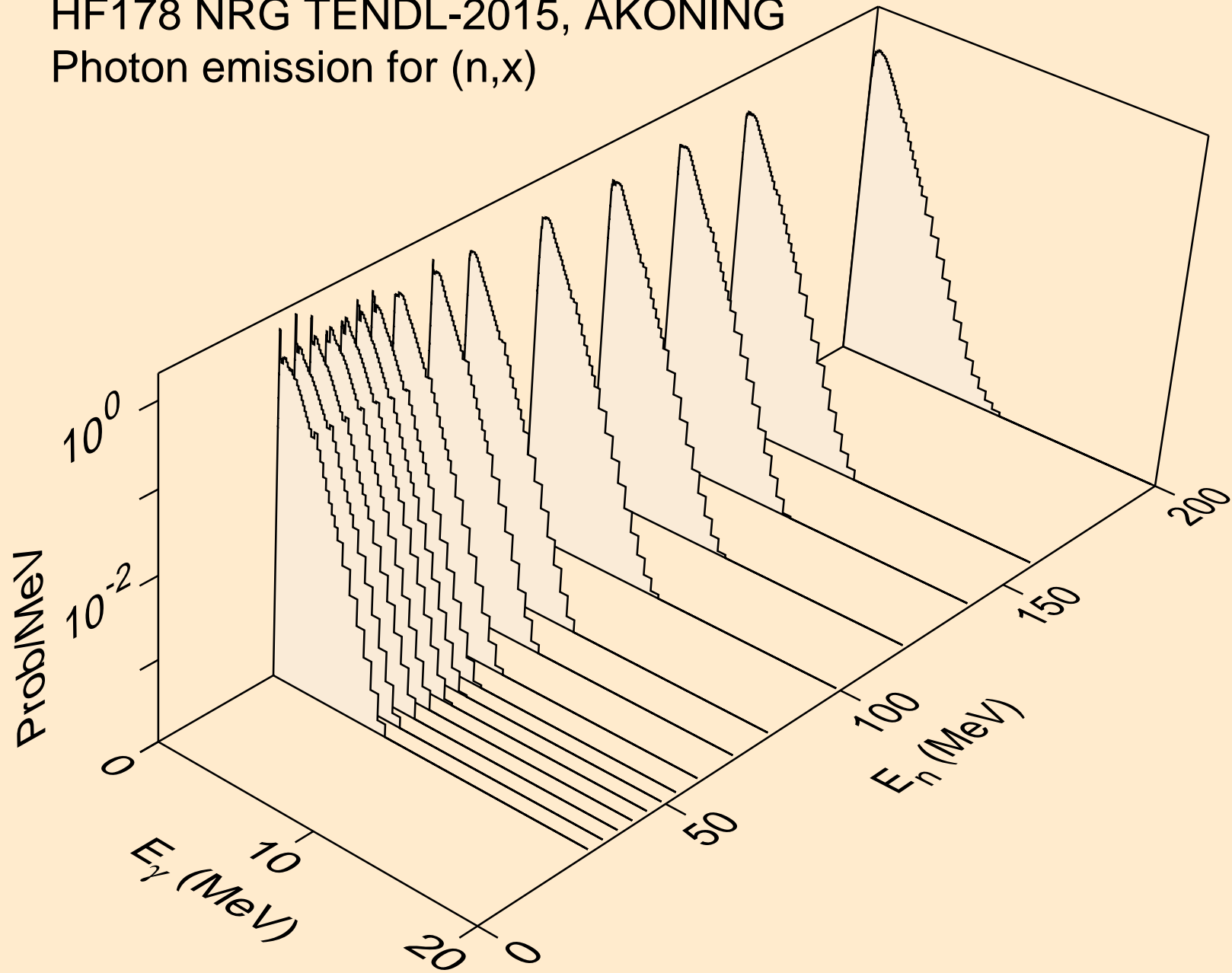




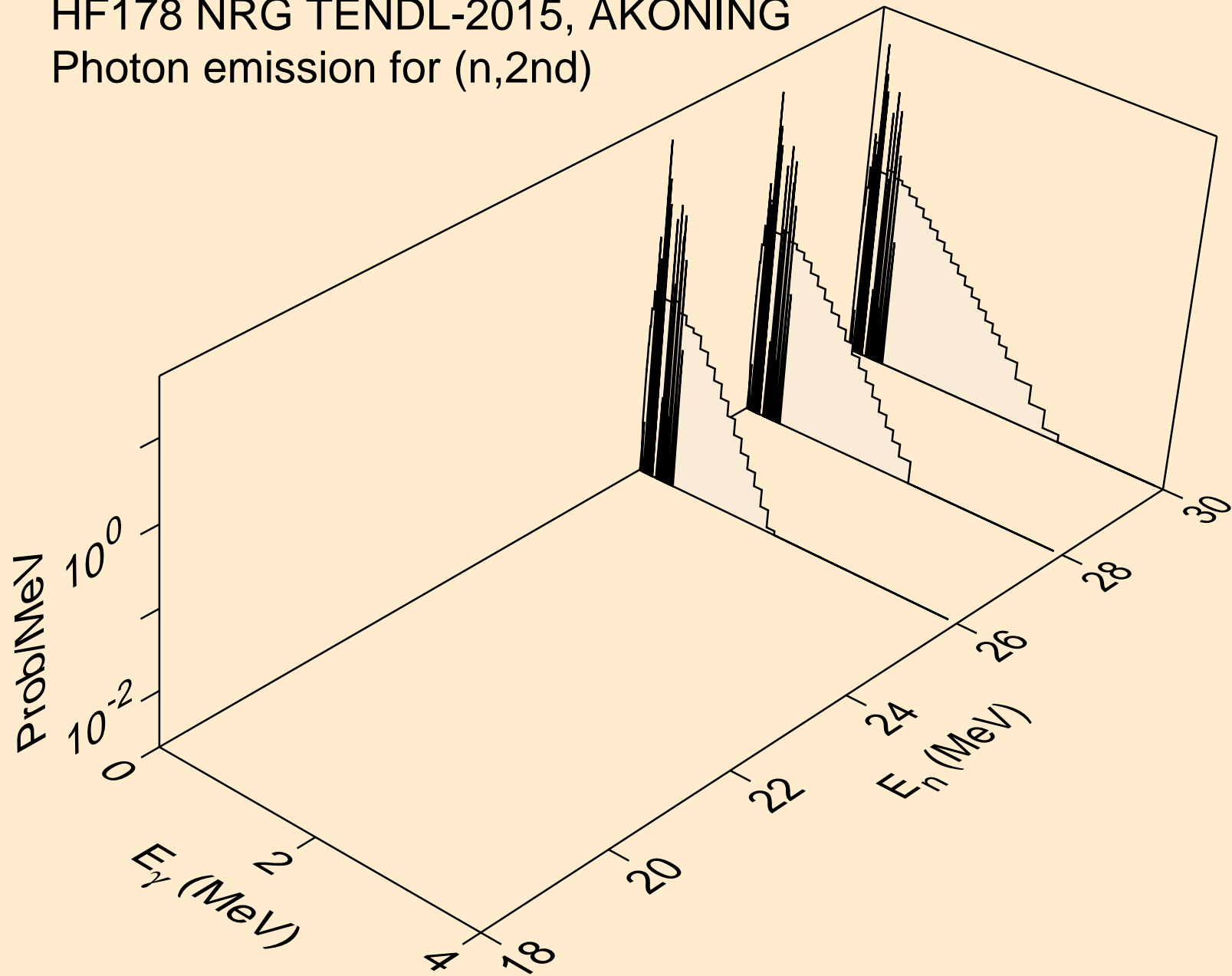
HF178 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



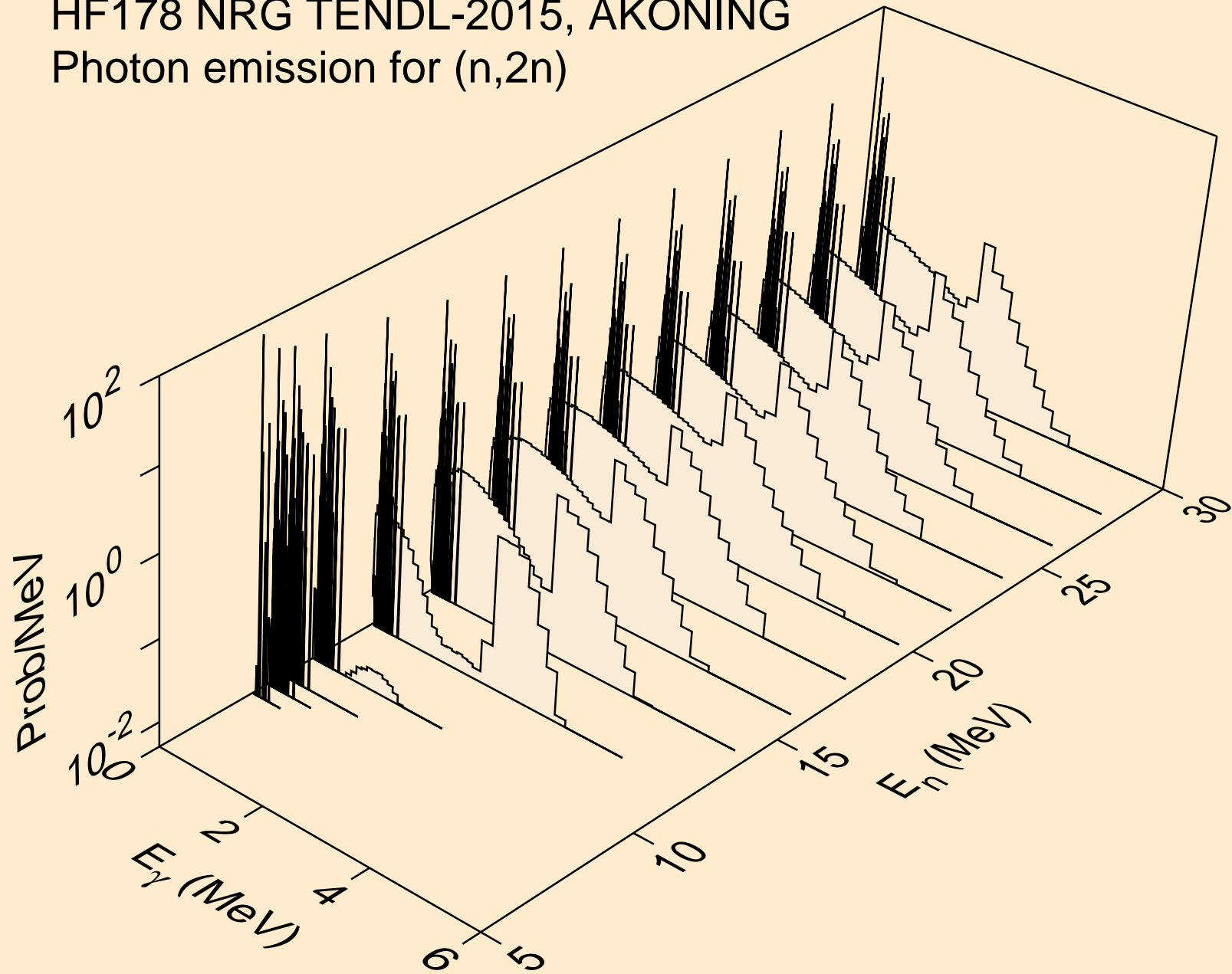
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



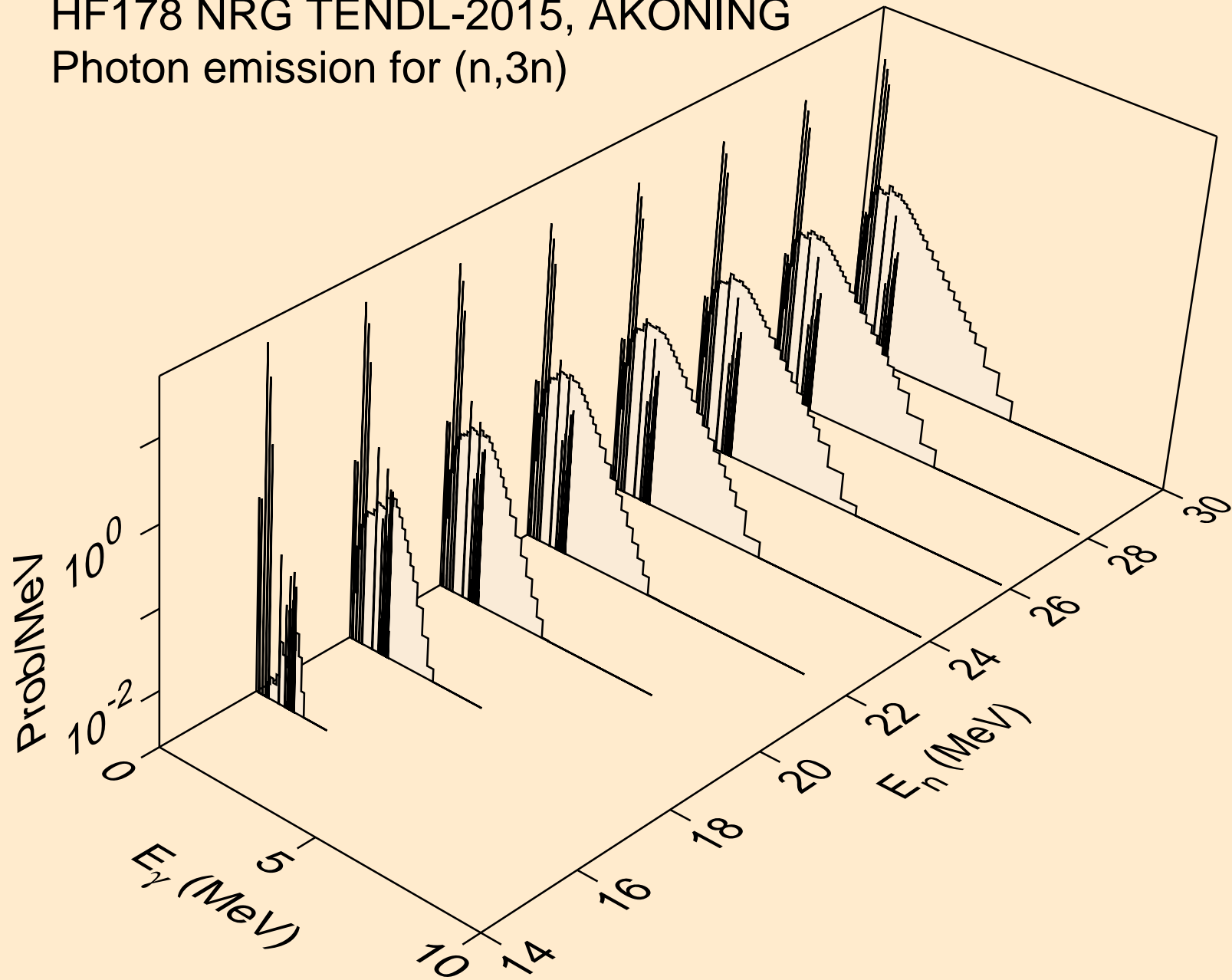
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



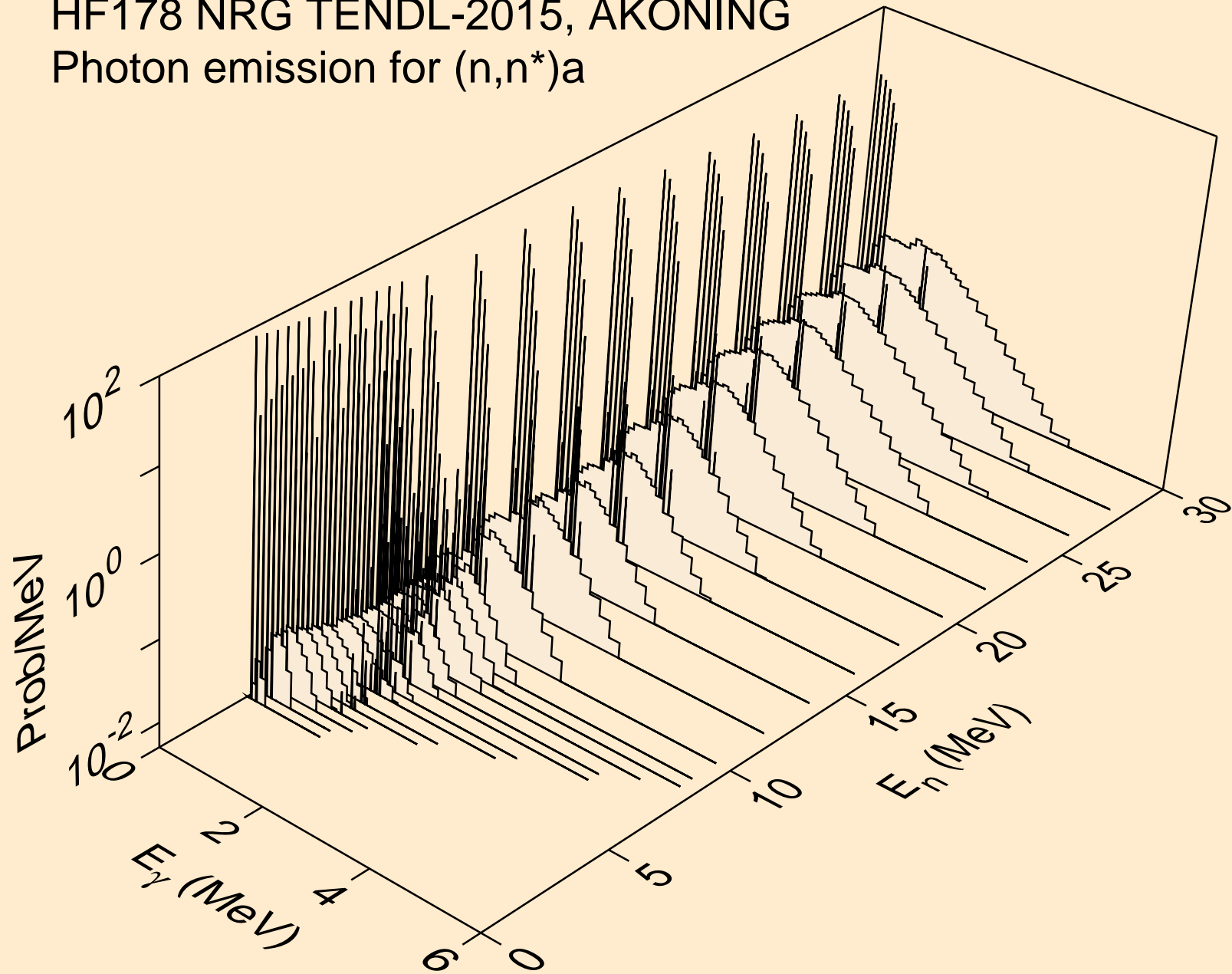
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



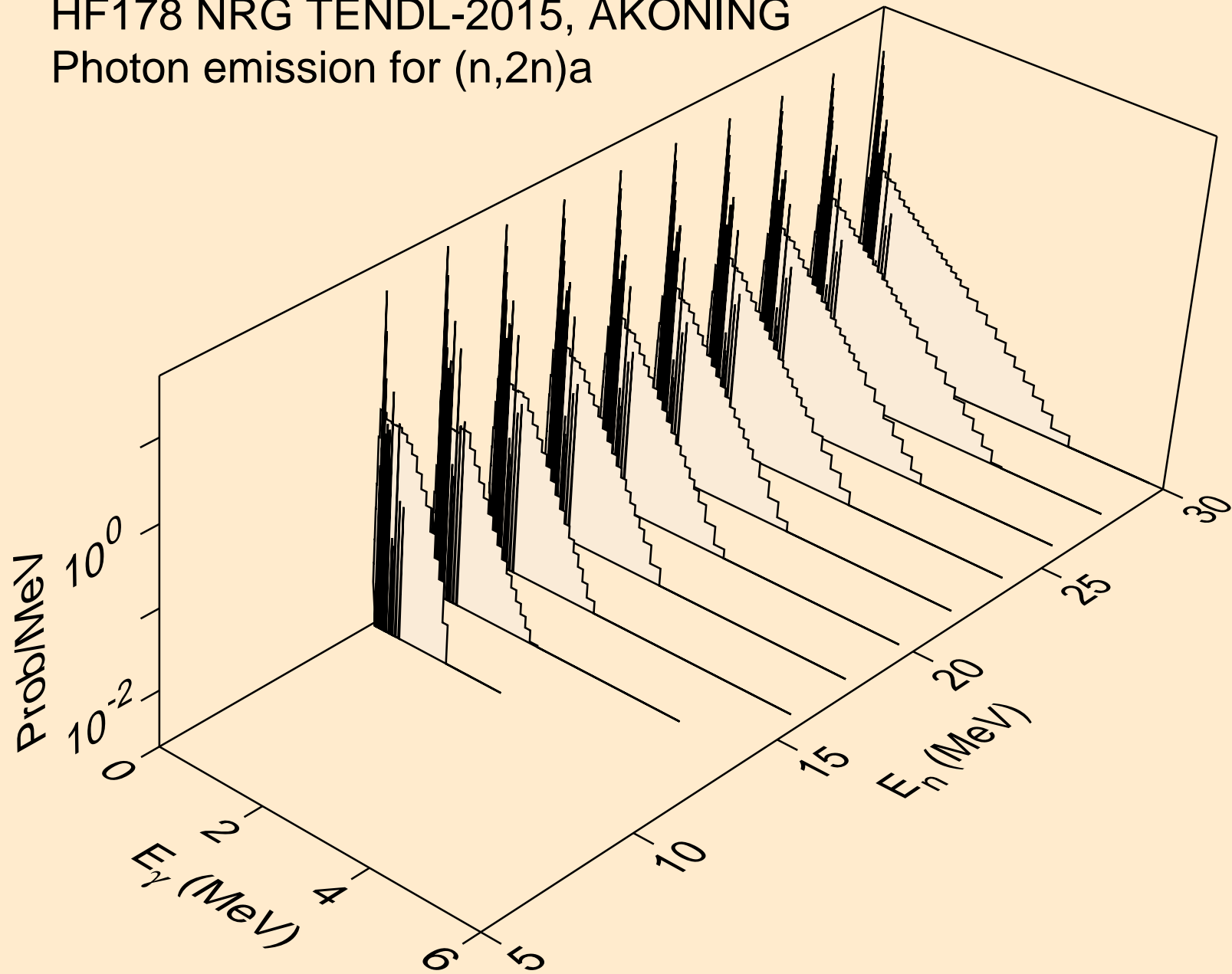
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



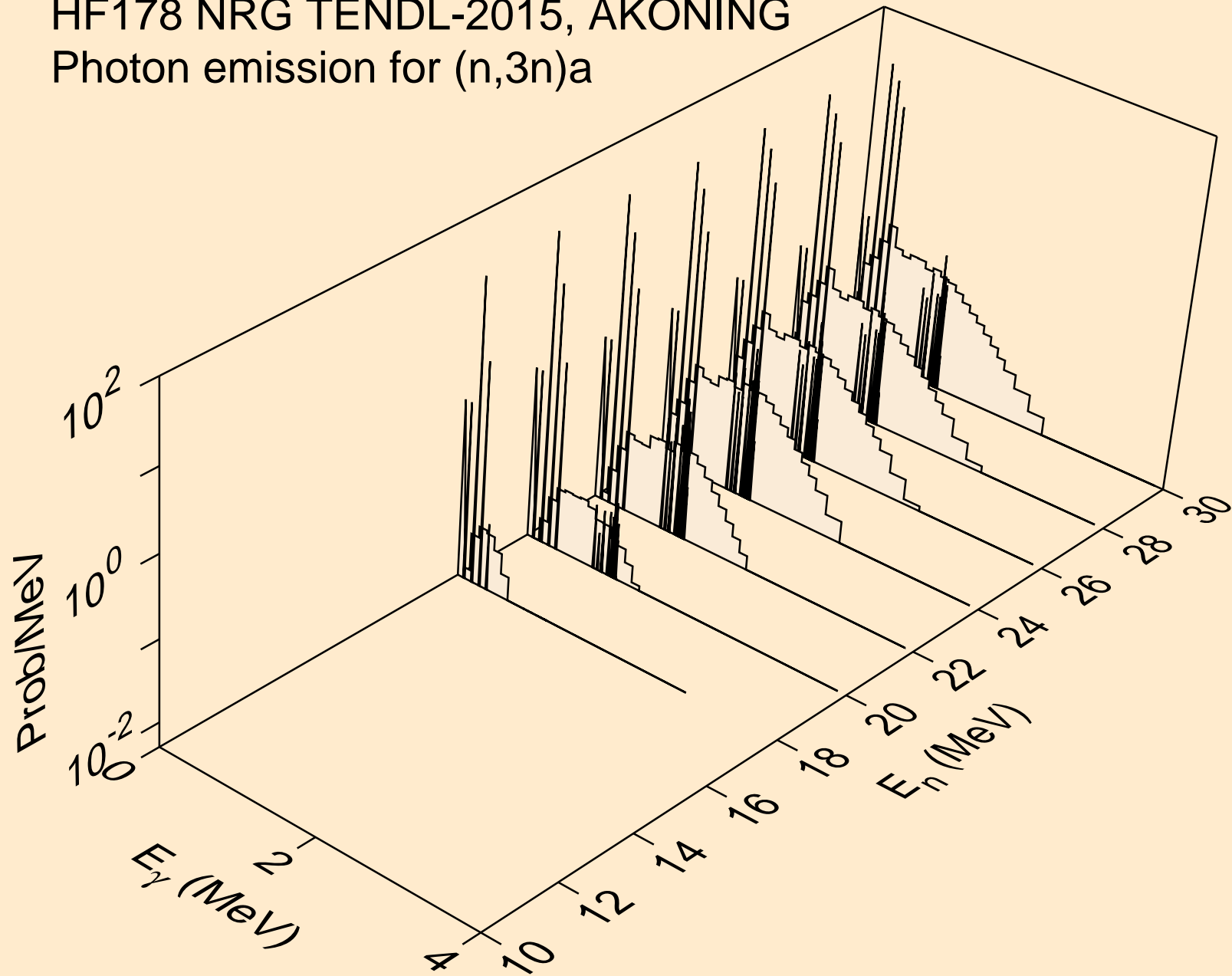
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

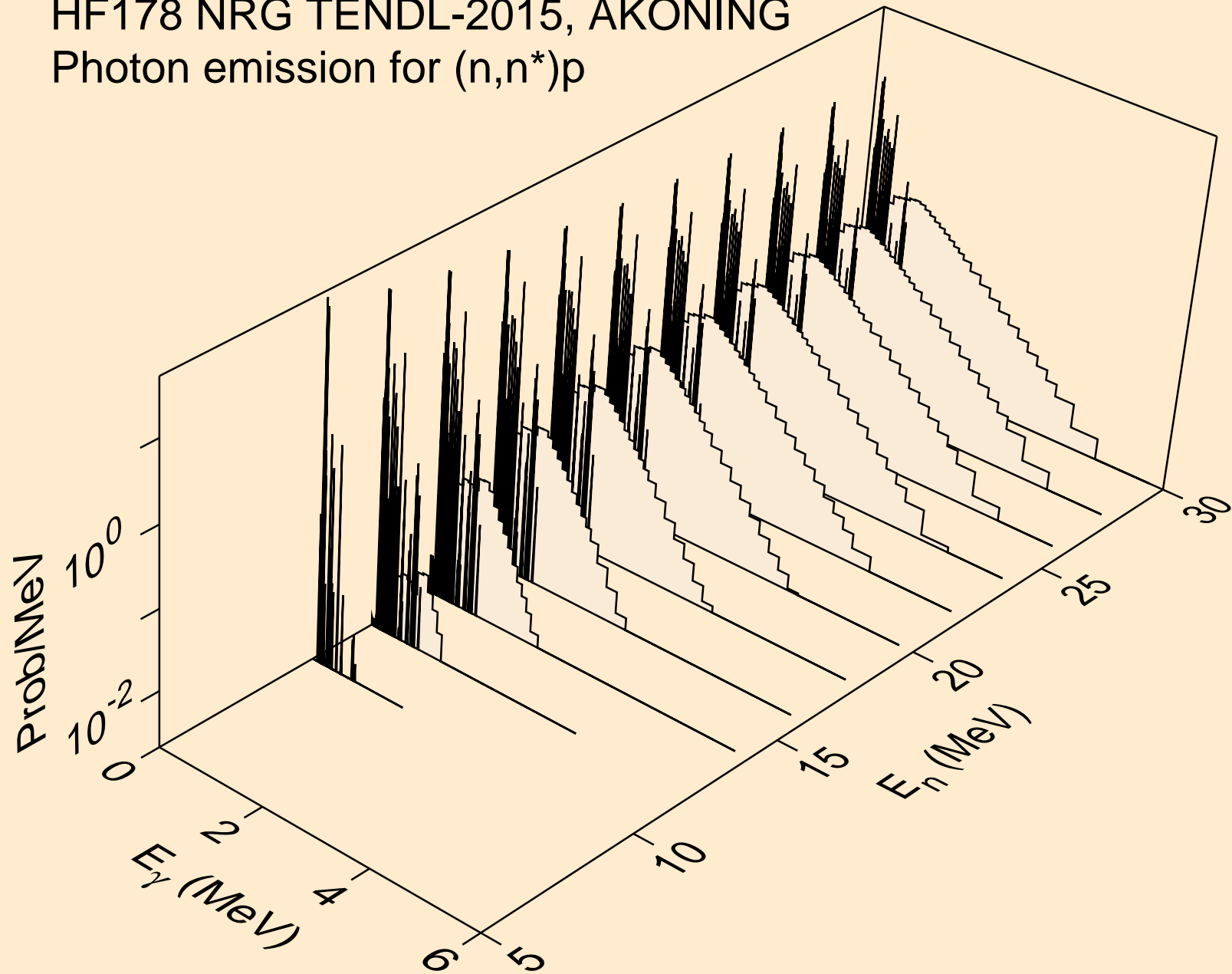


HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

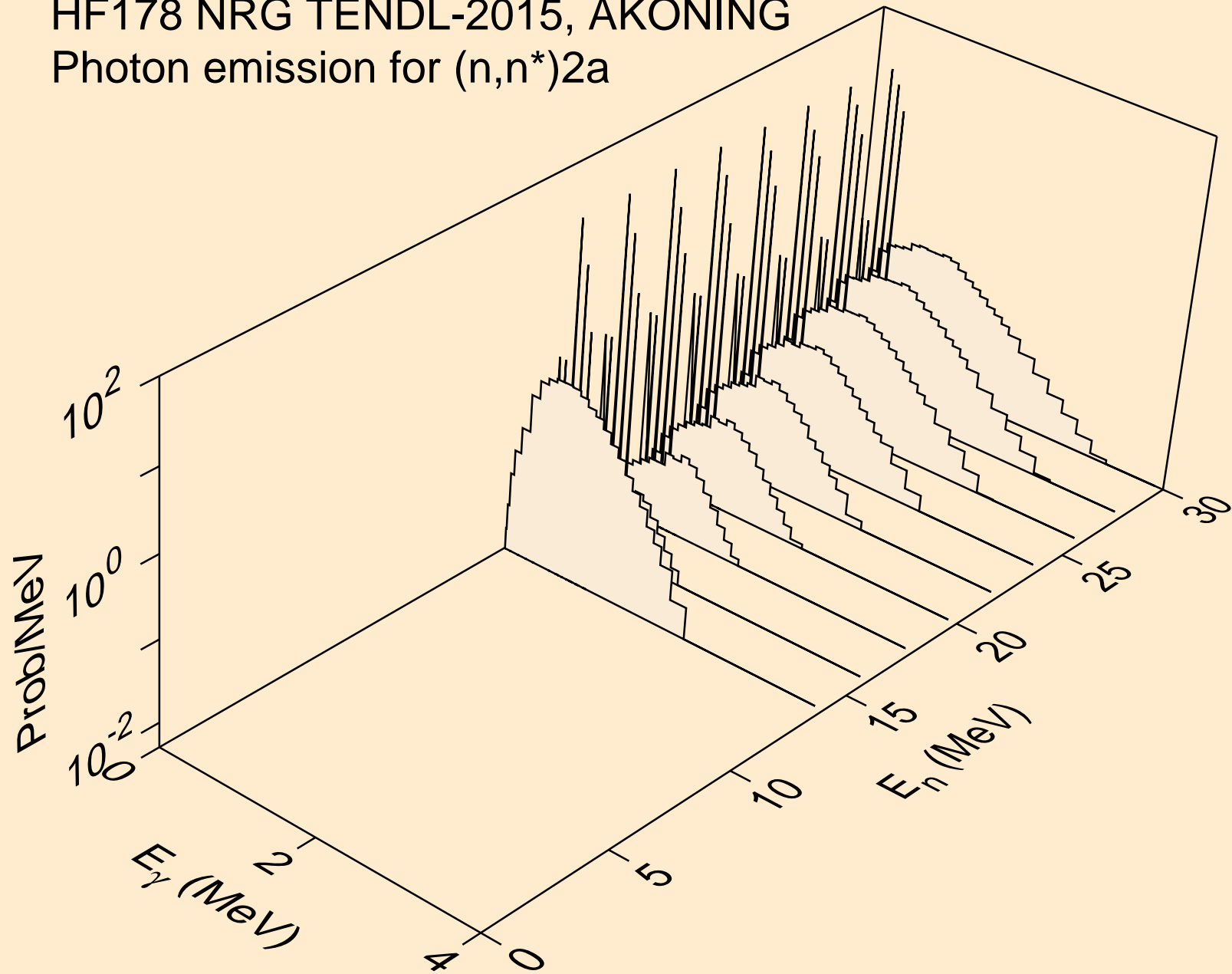




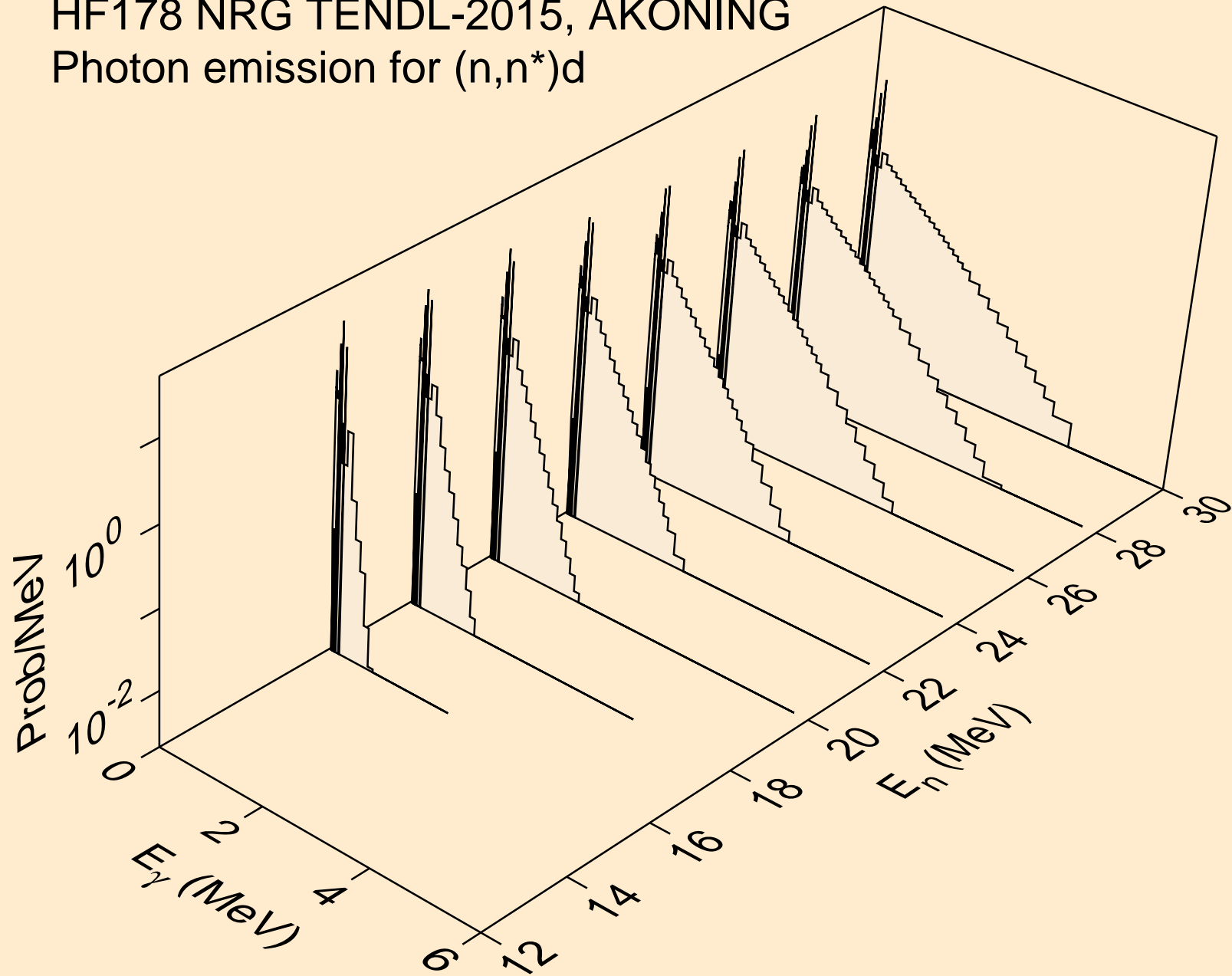
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



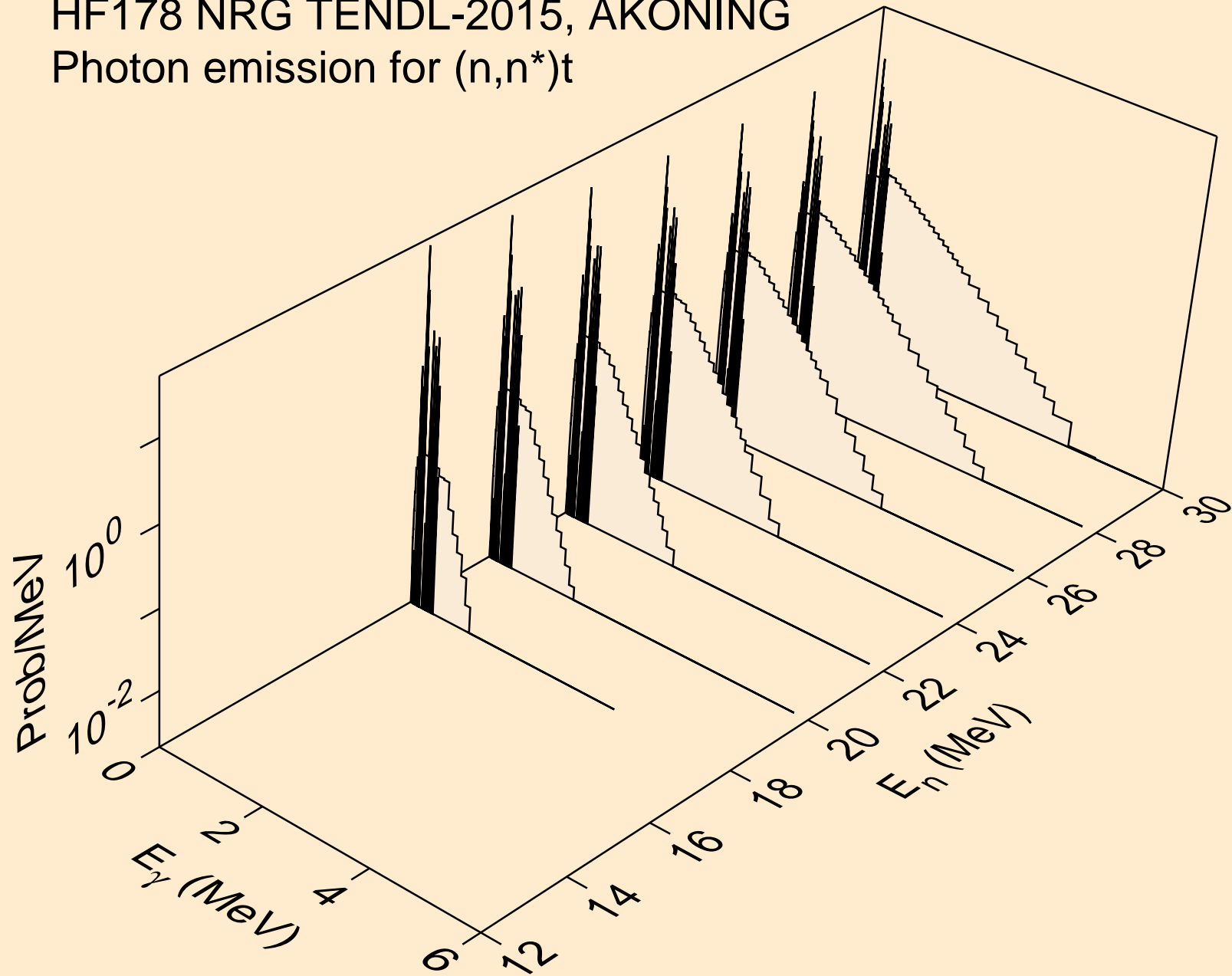
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



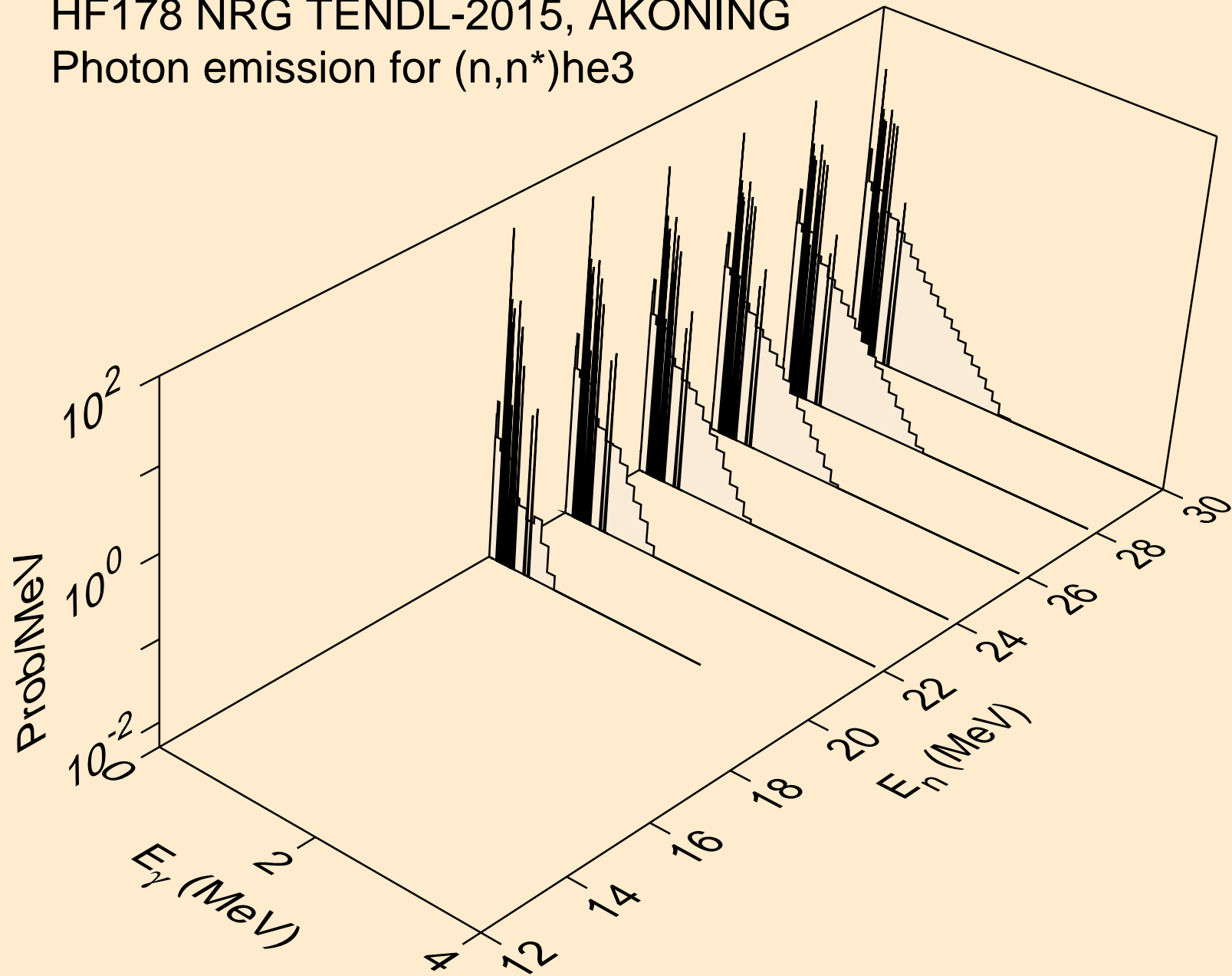
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



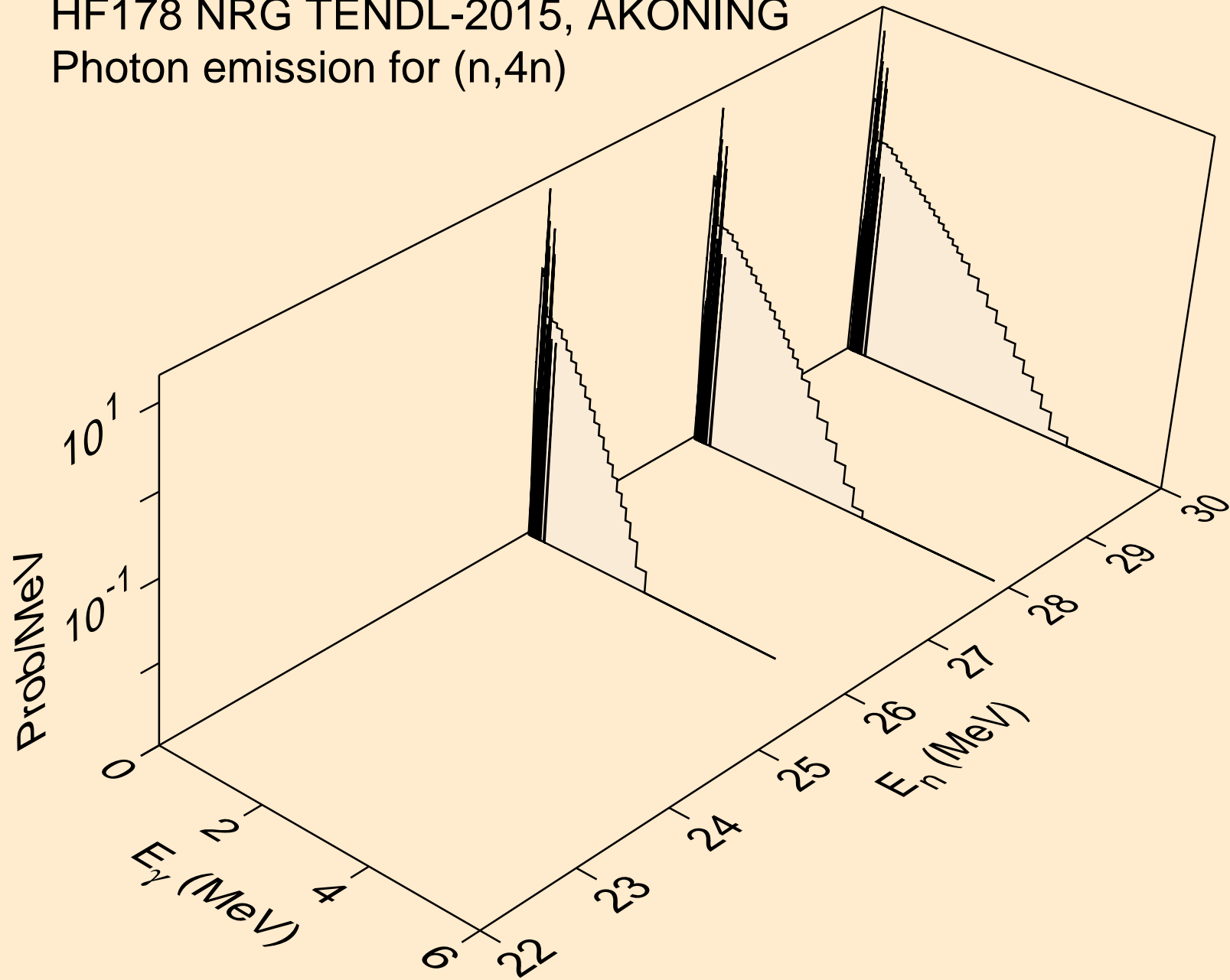
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



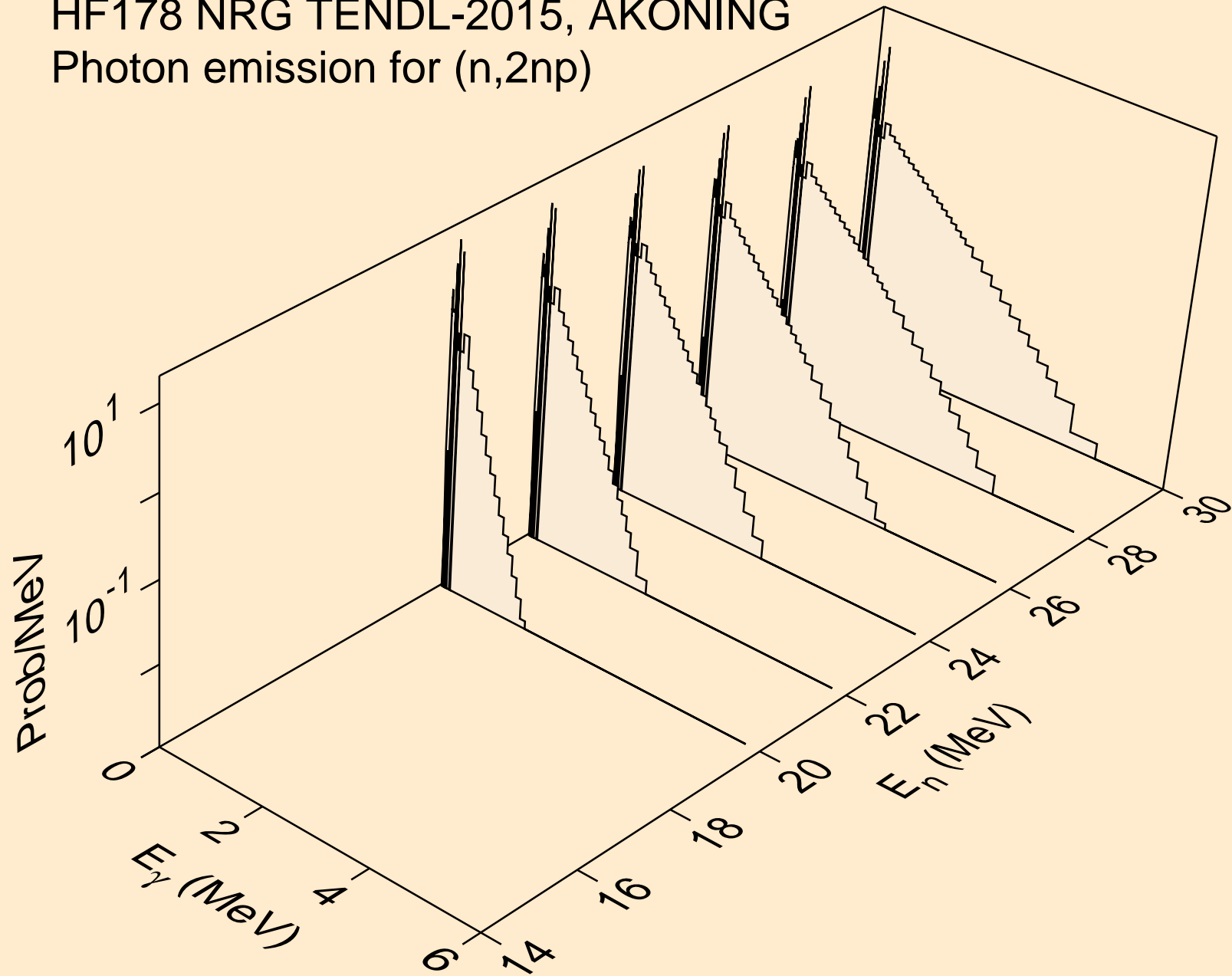
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



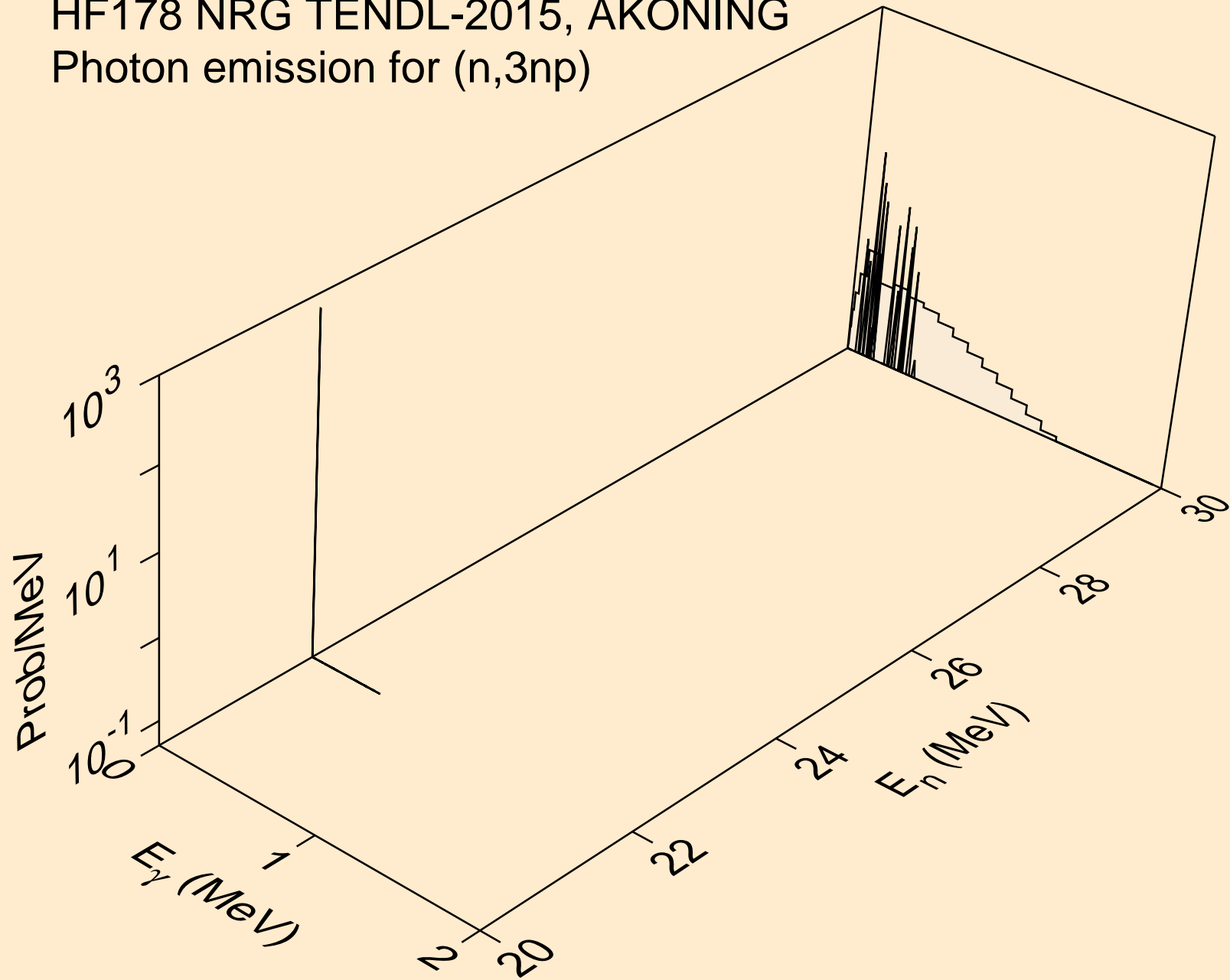
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

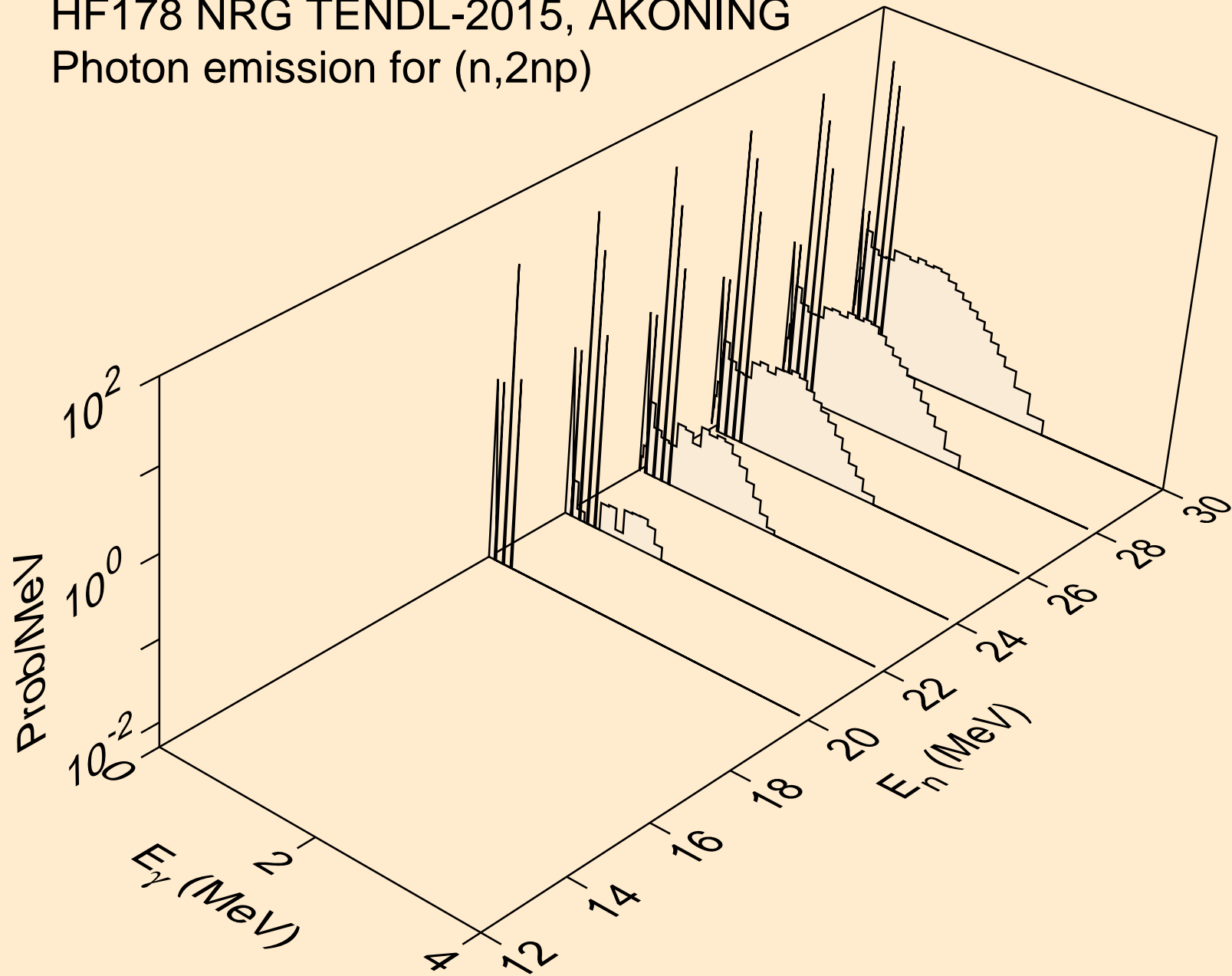


HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)

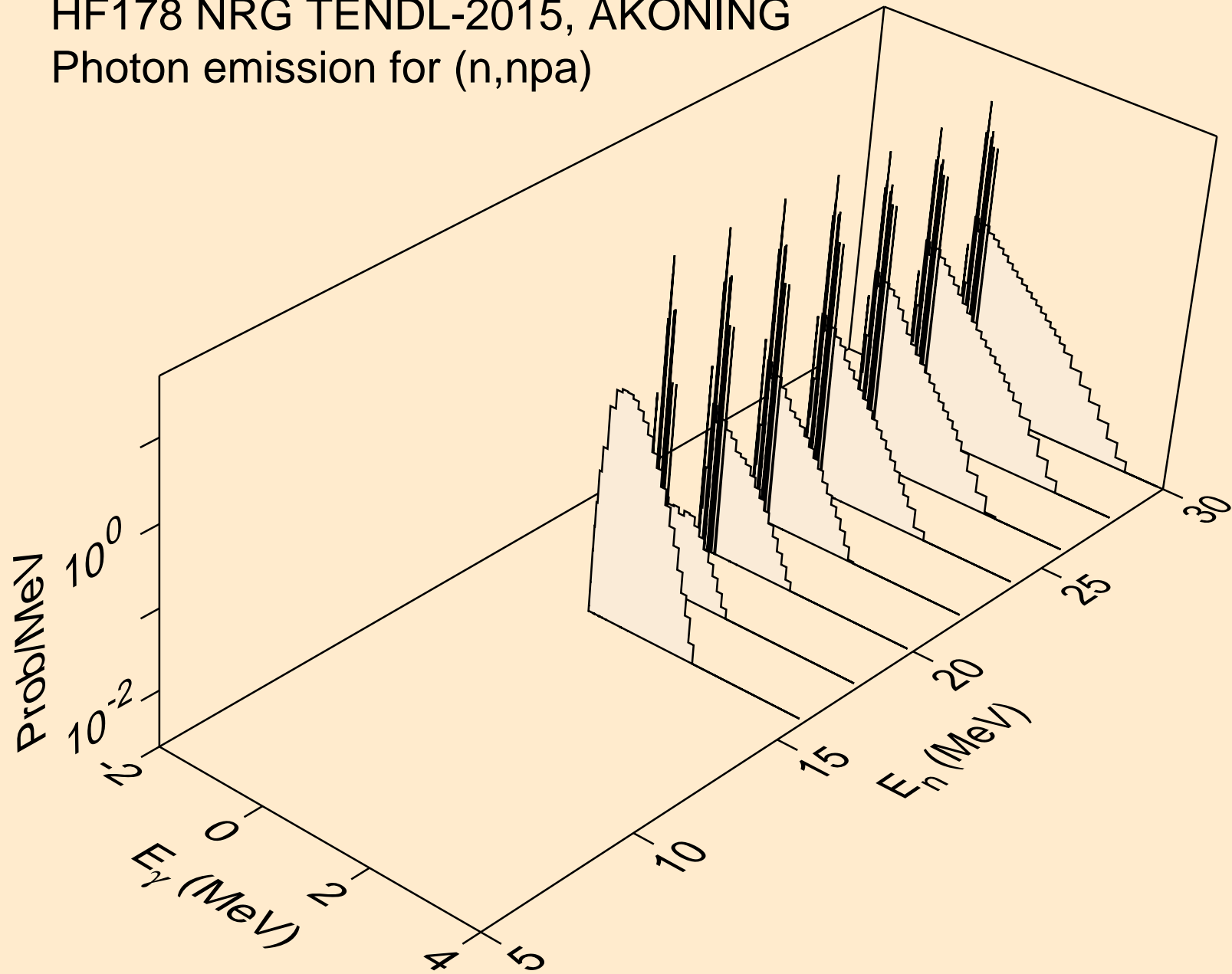




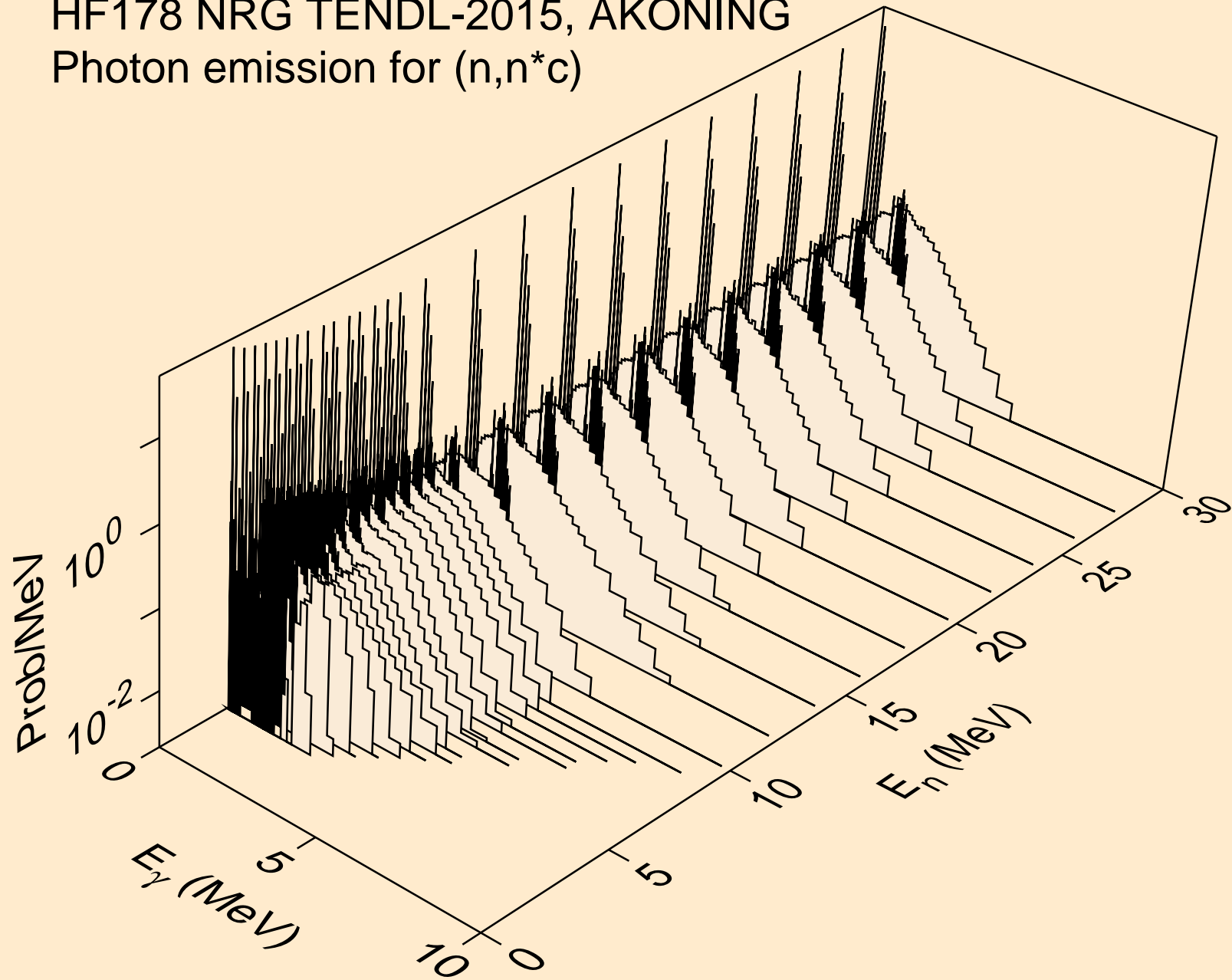
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



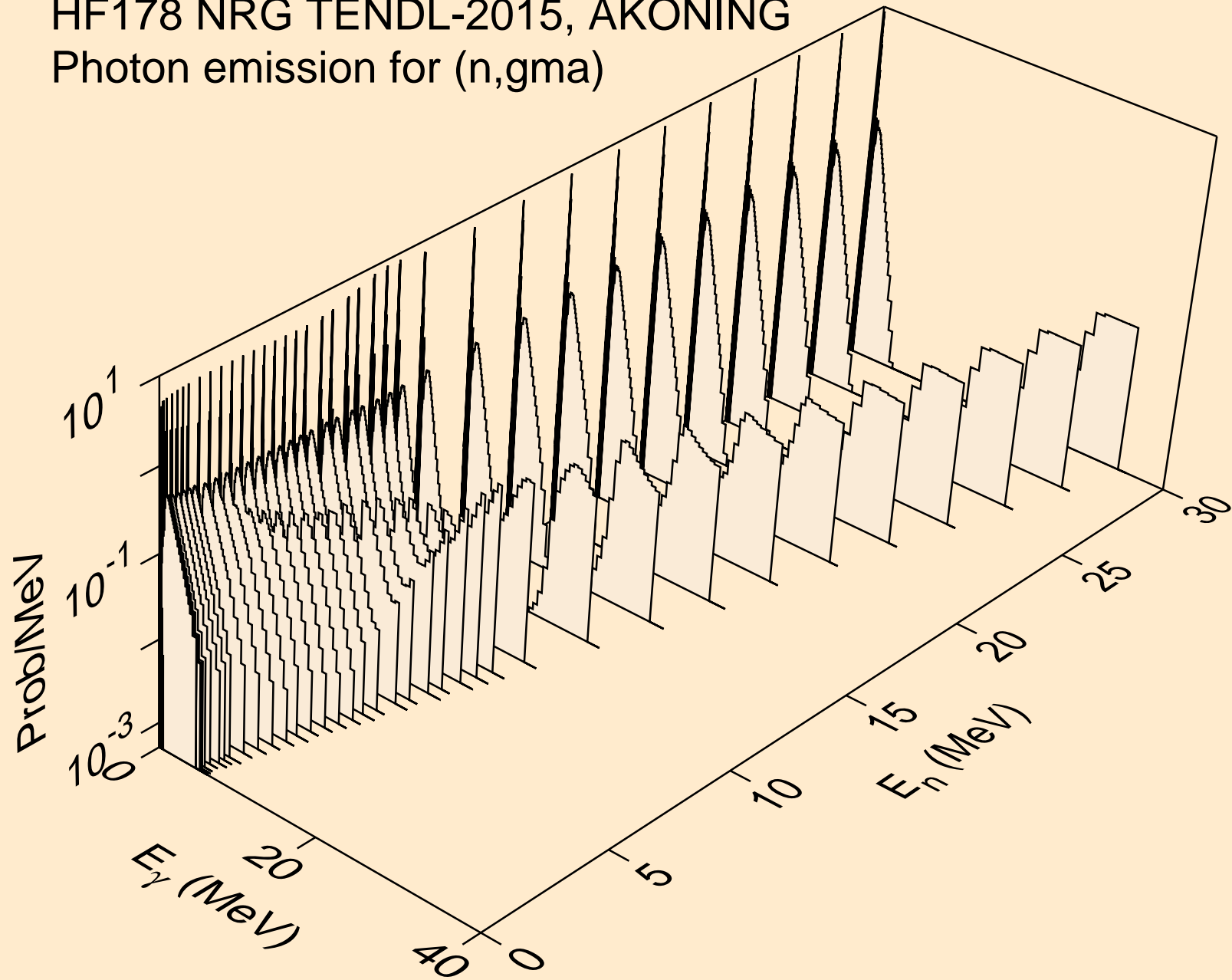
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



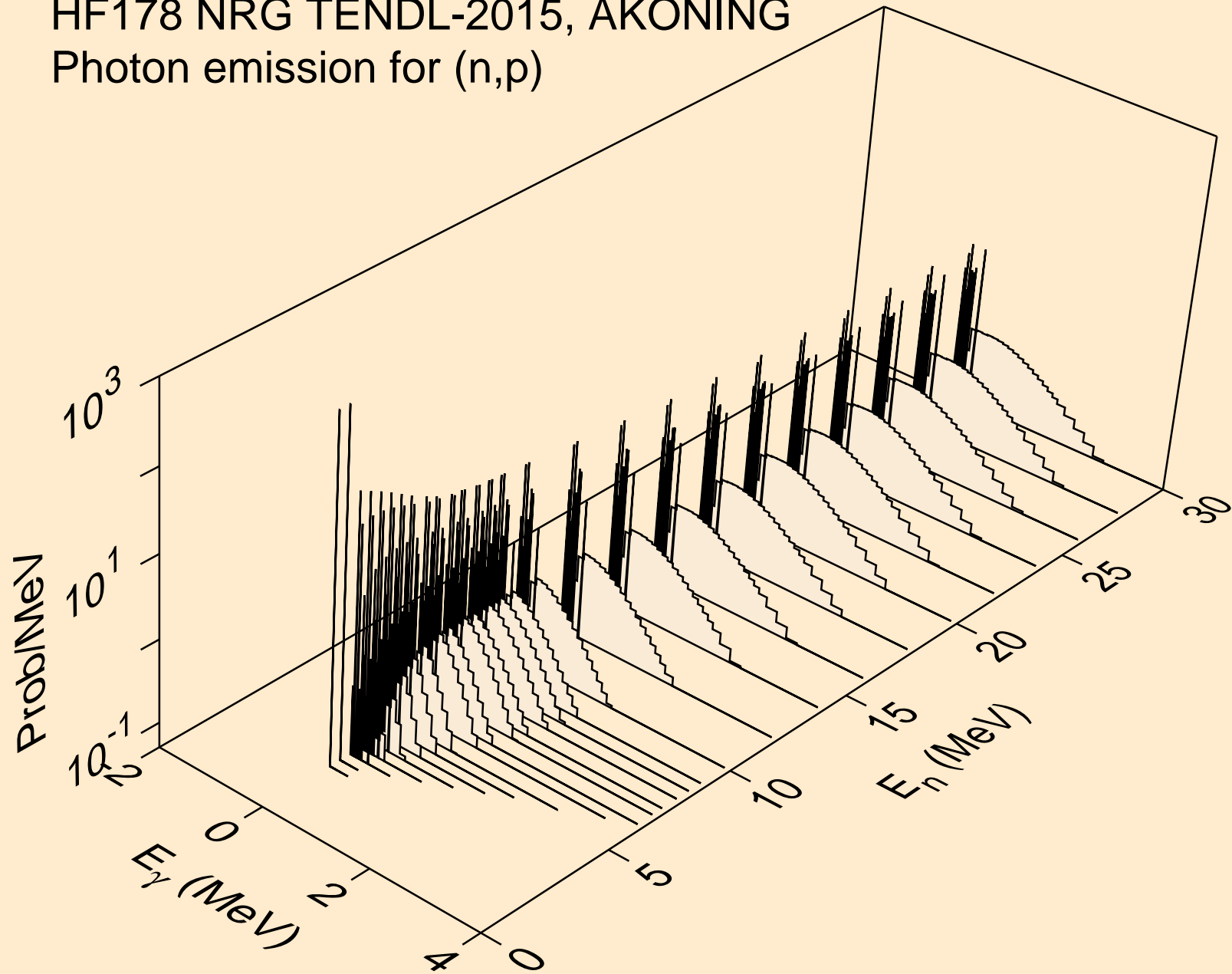
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



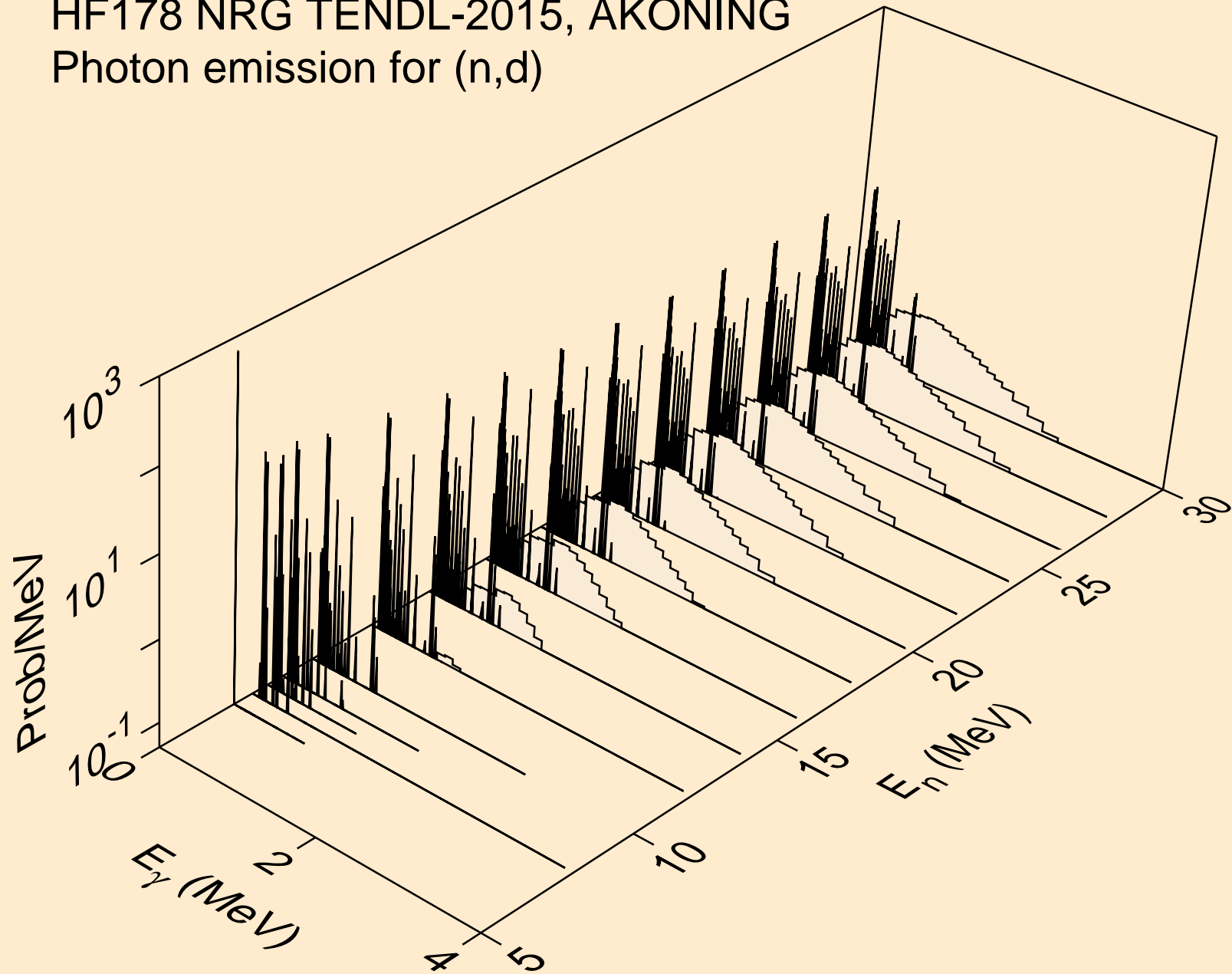
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



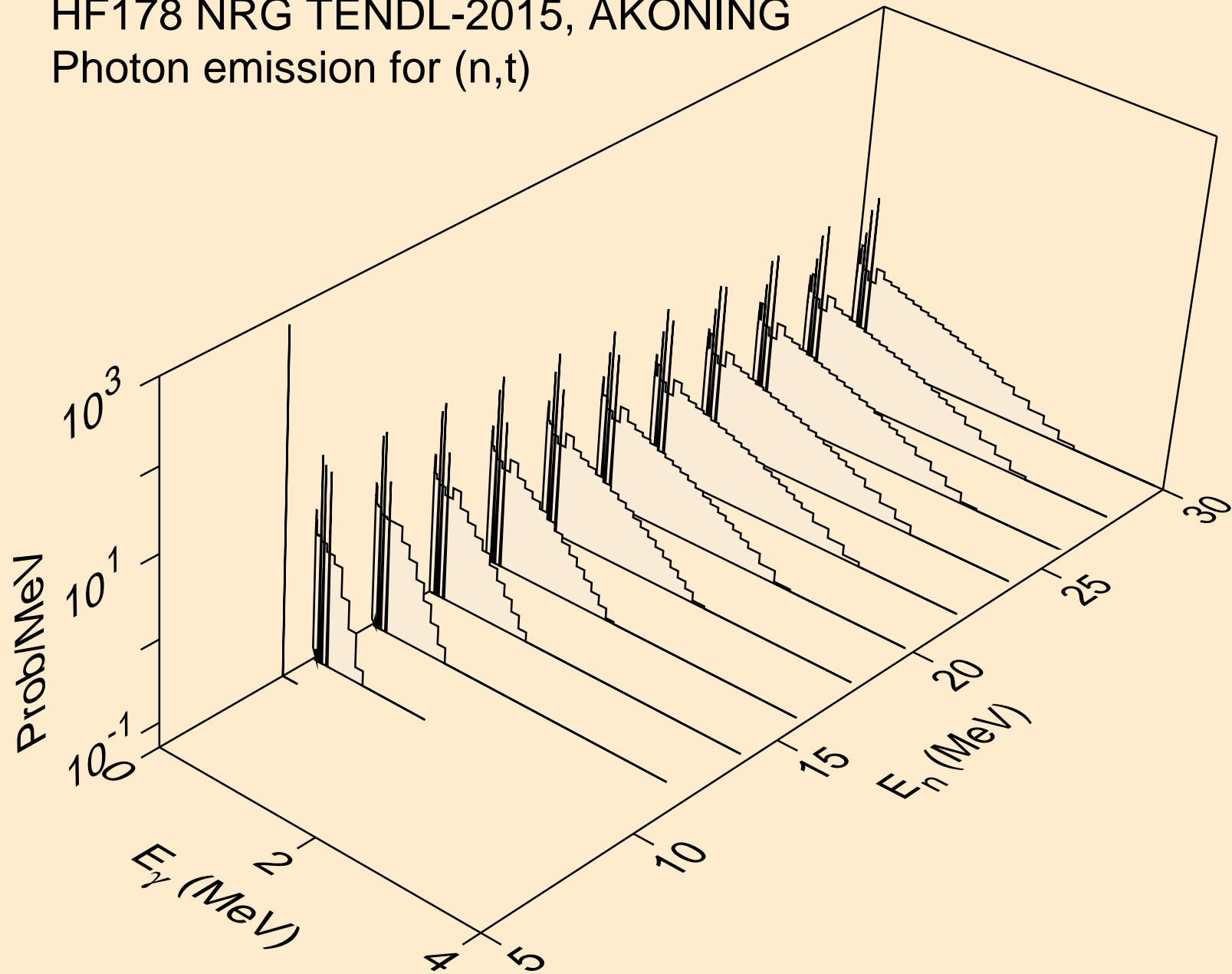
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



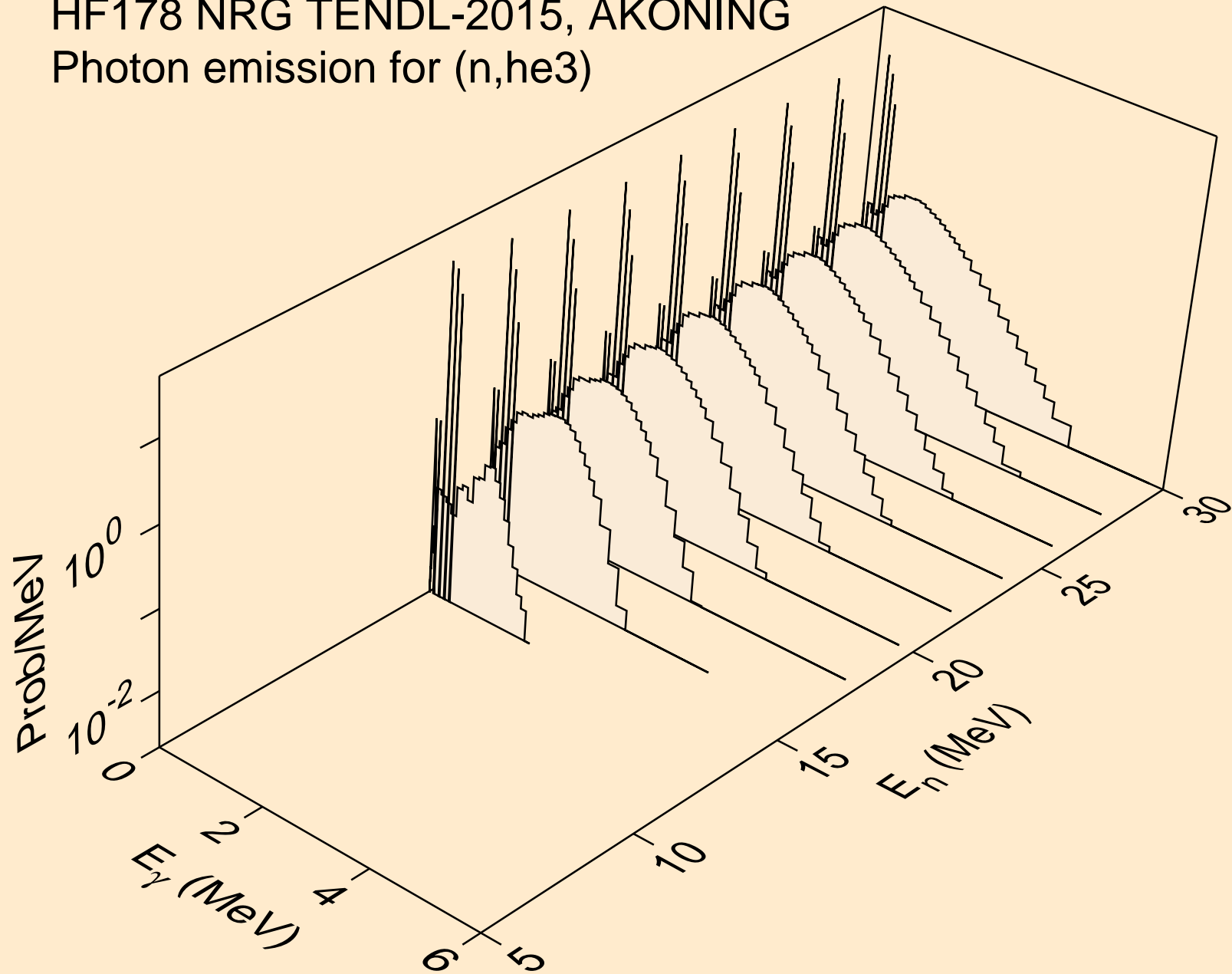
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

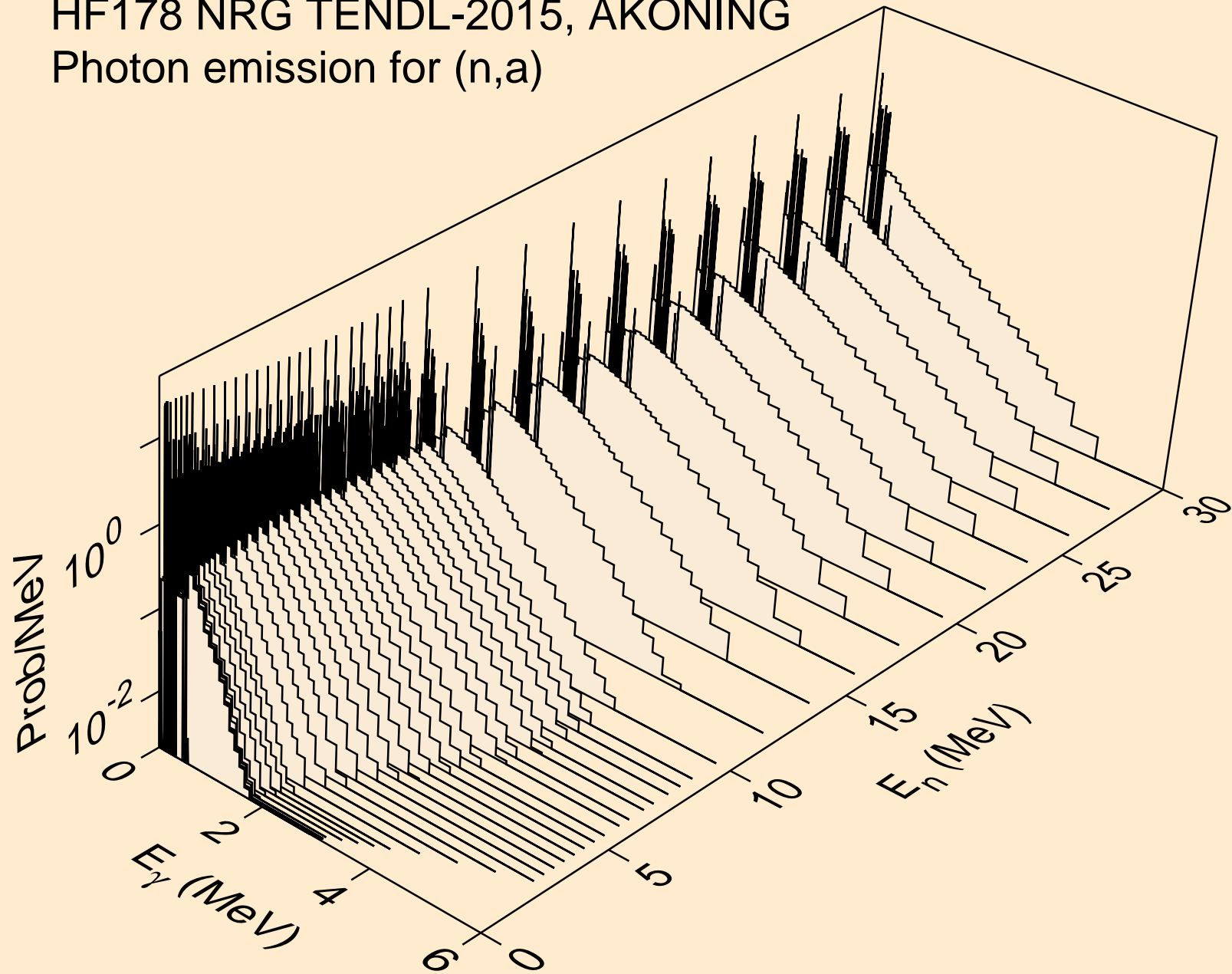


HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

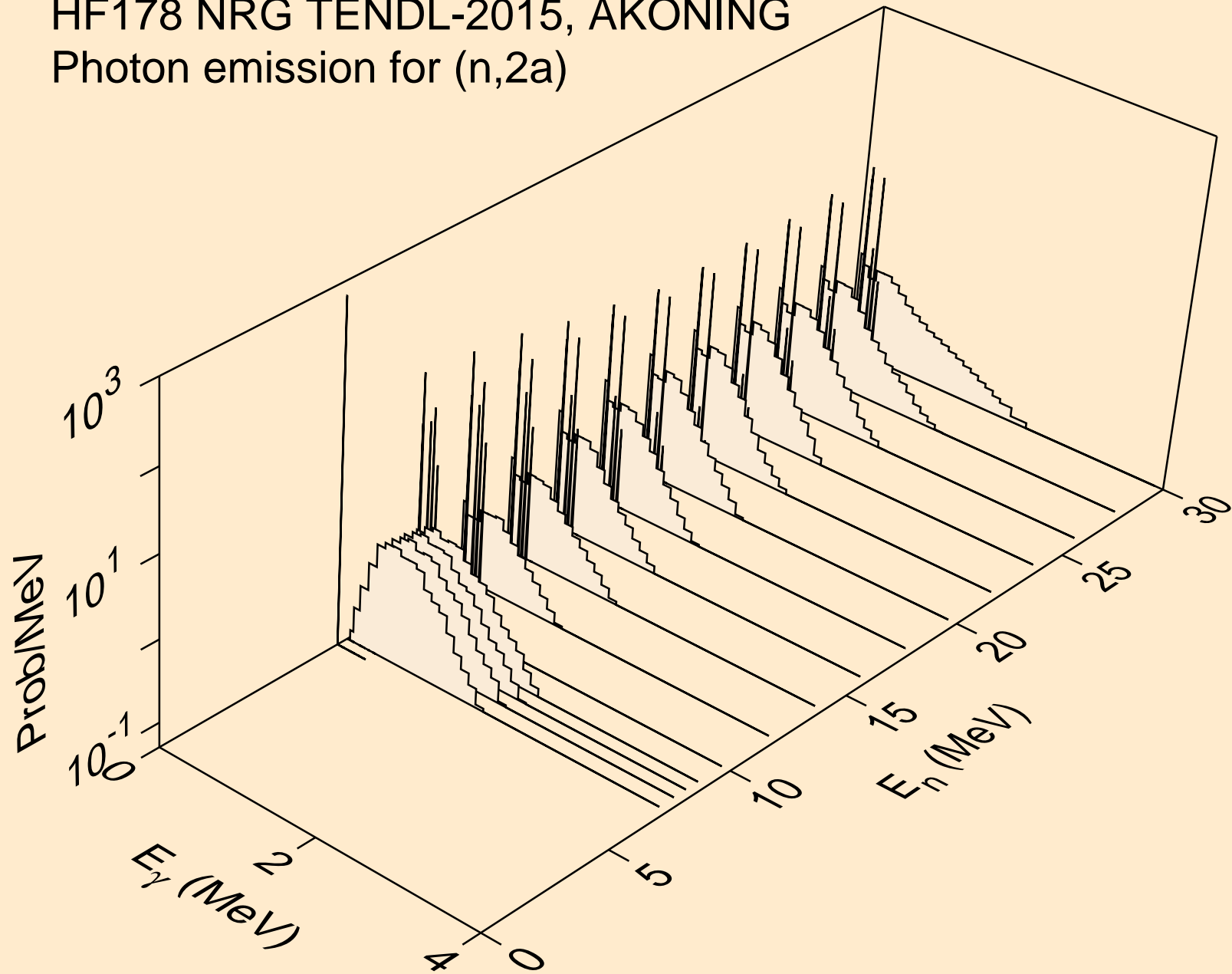




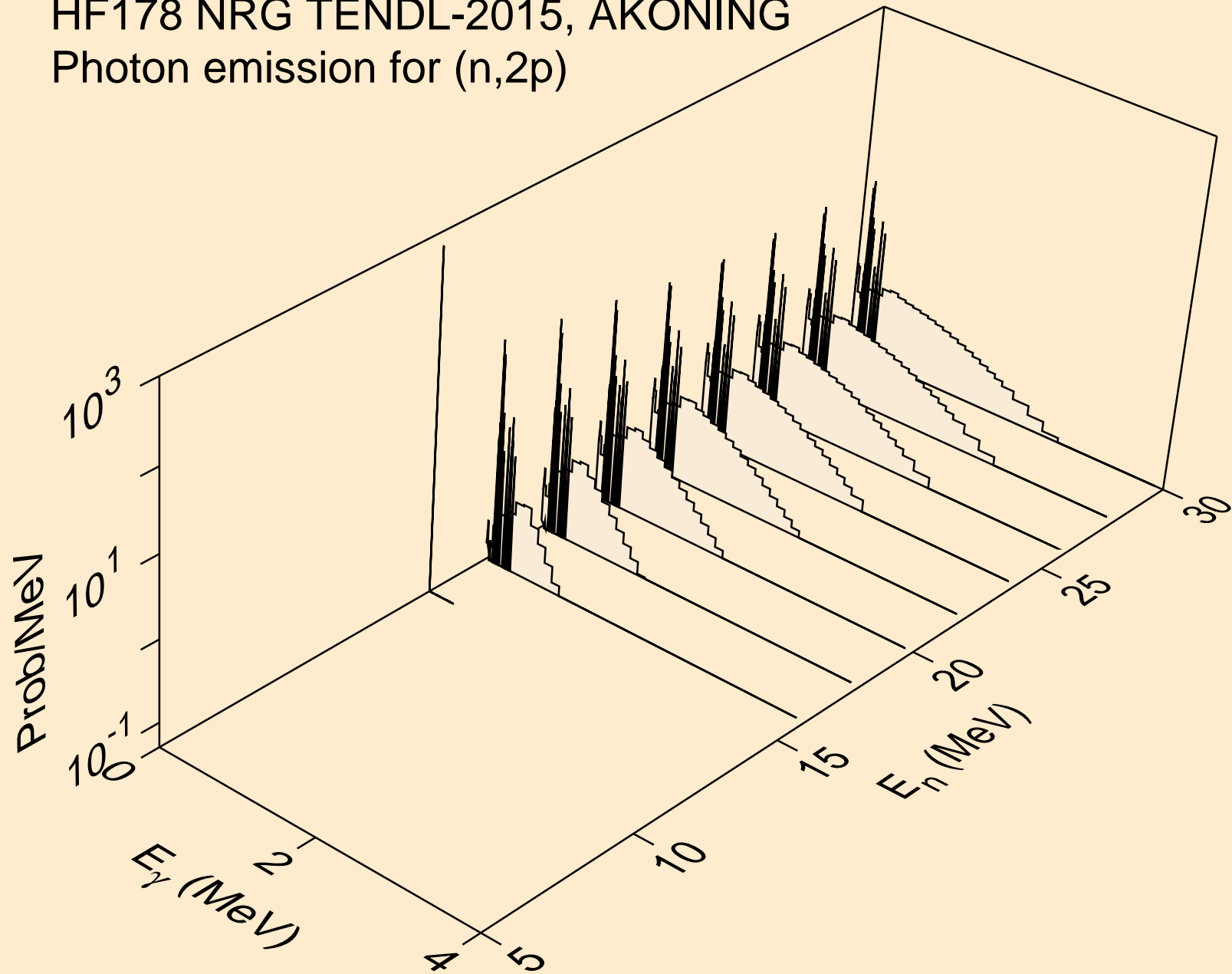
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



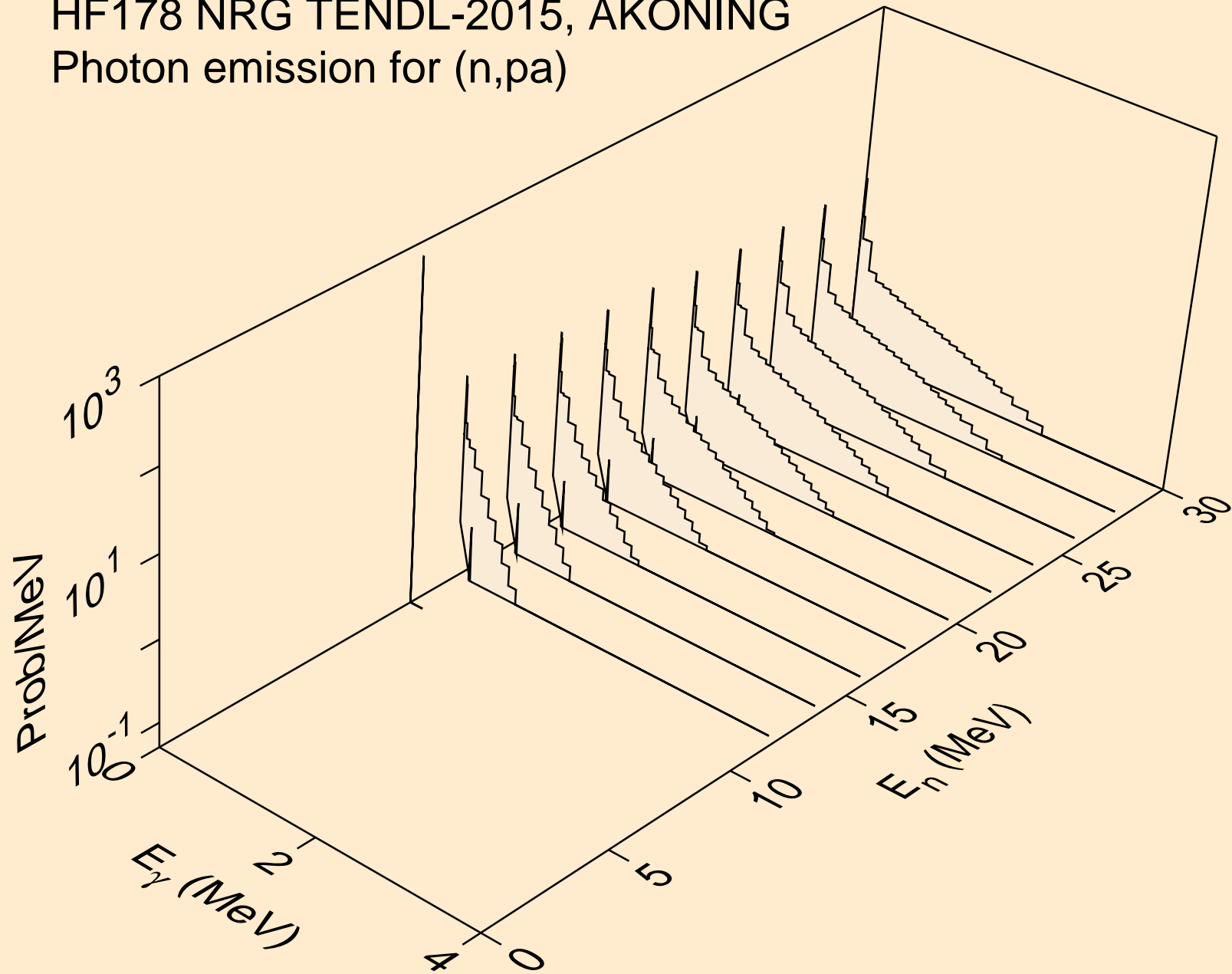
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



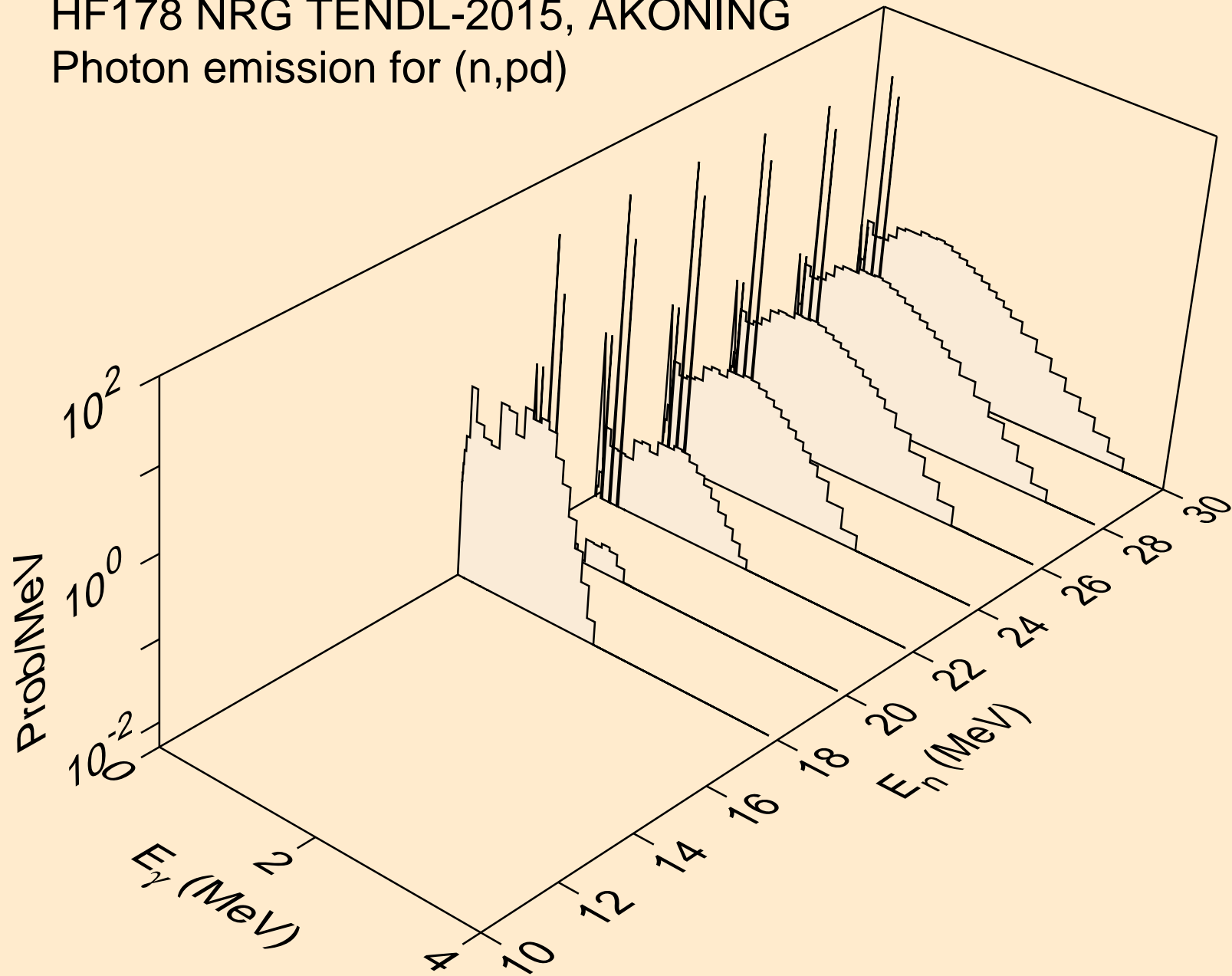
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



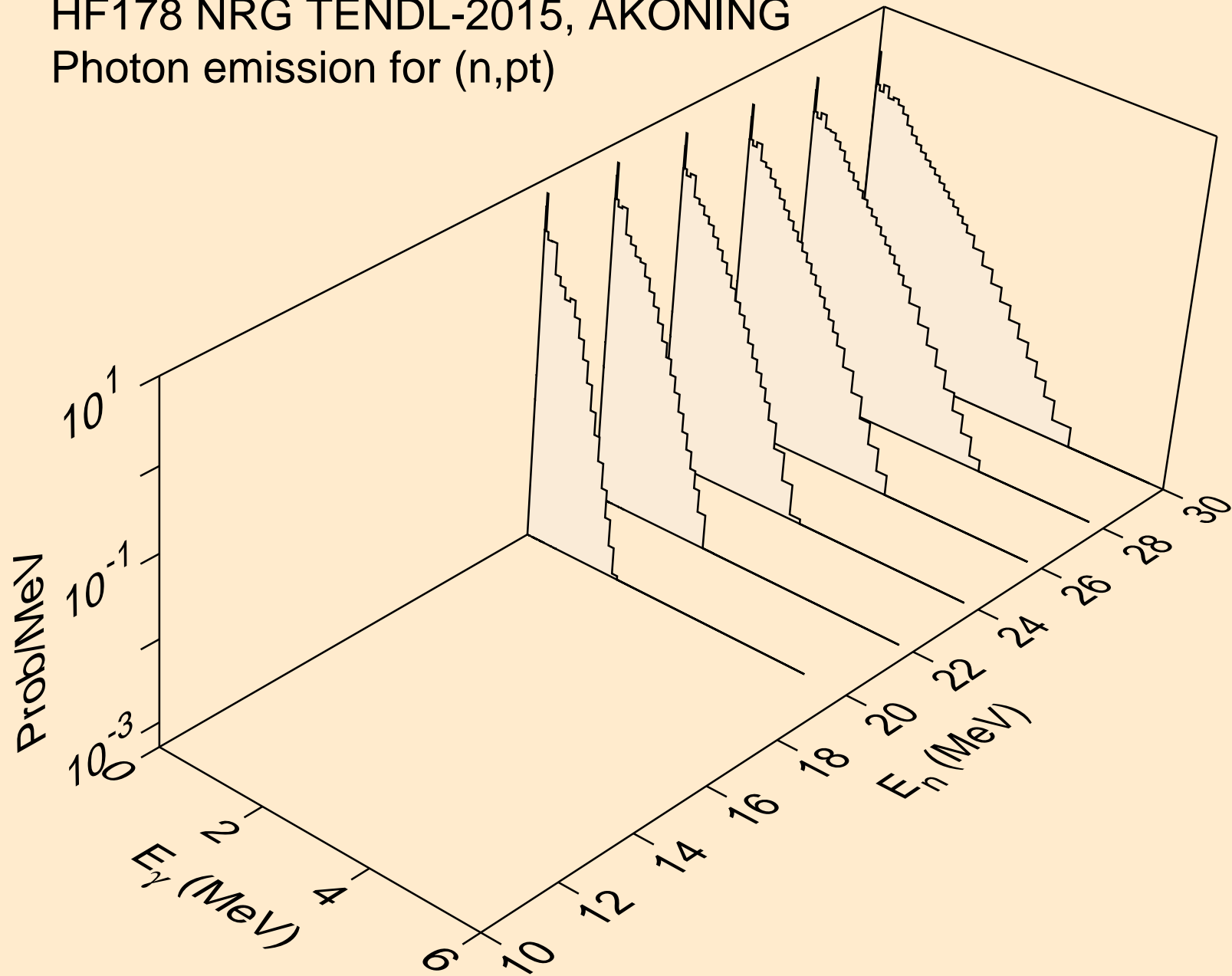
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



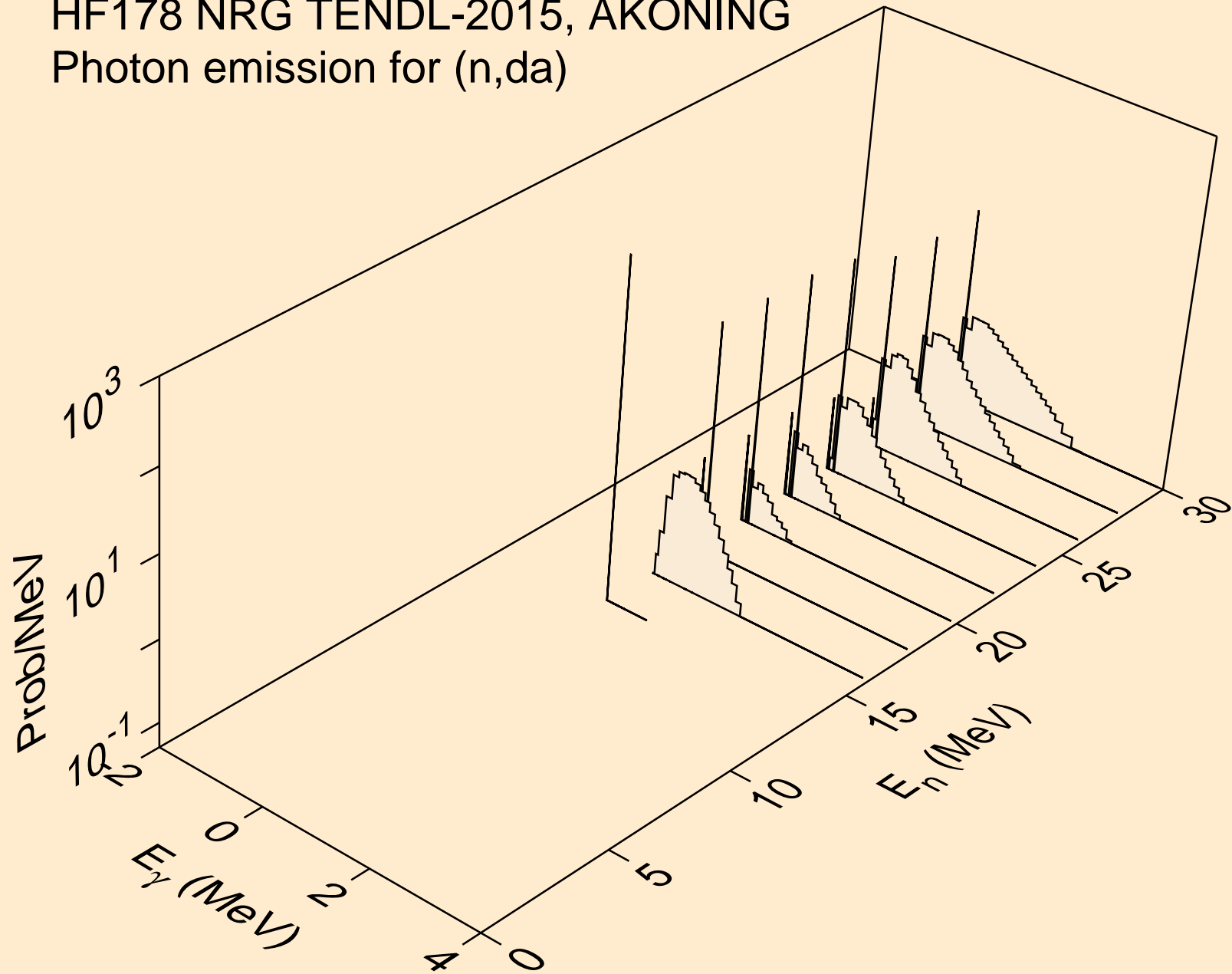
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



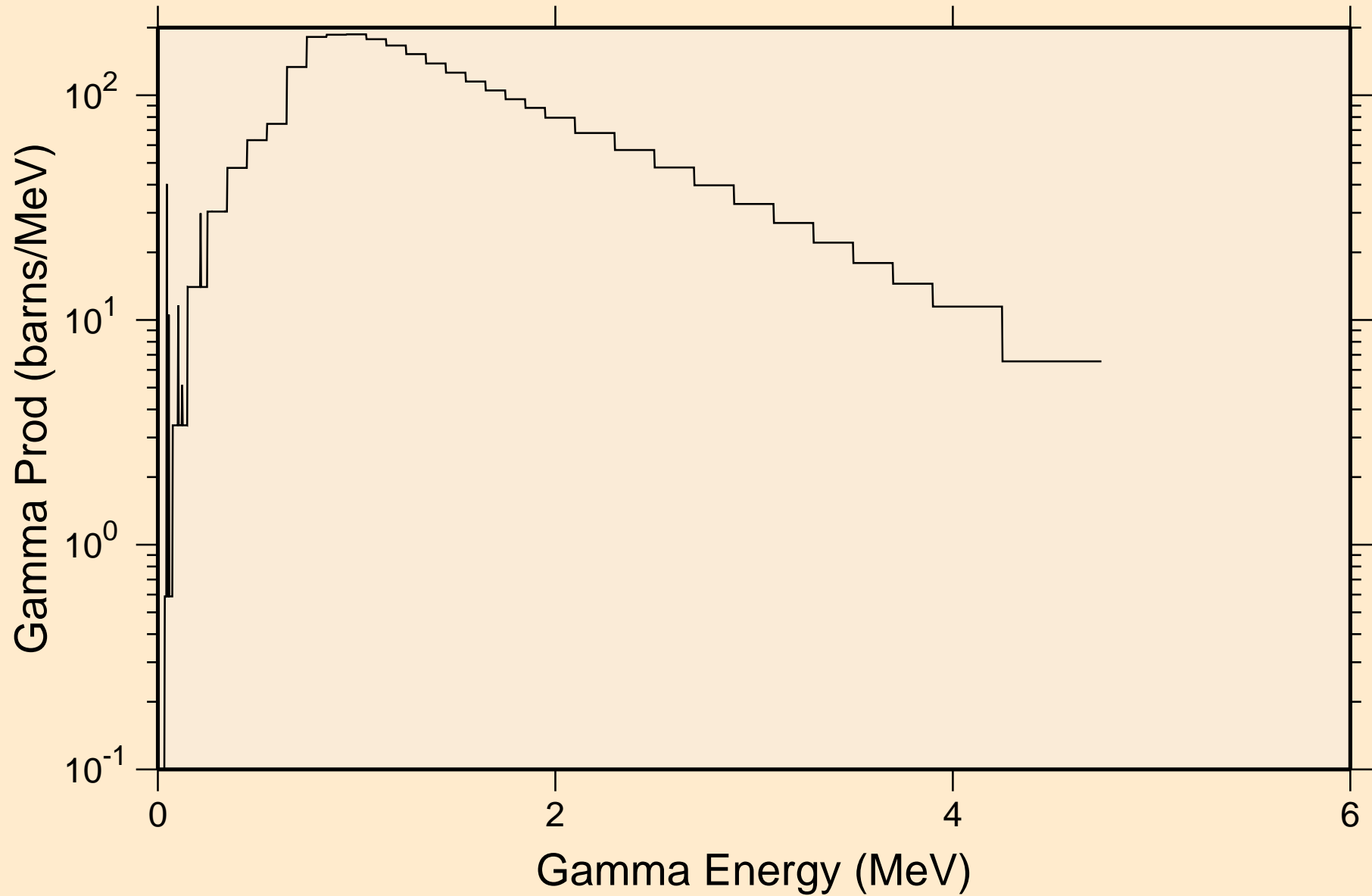
HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



HF178 NRG TENDL-2015, AKONING  
Photon emission for (n,da)

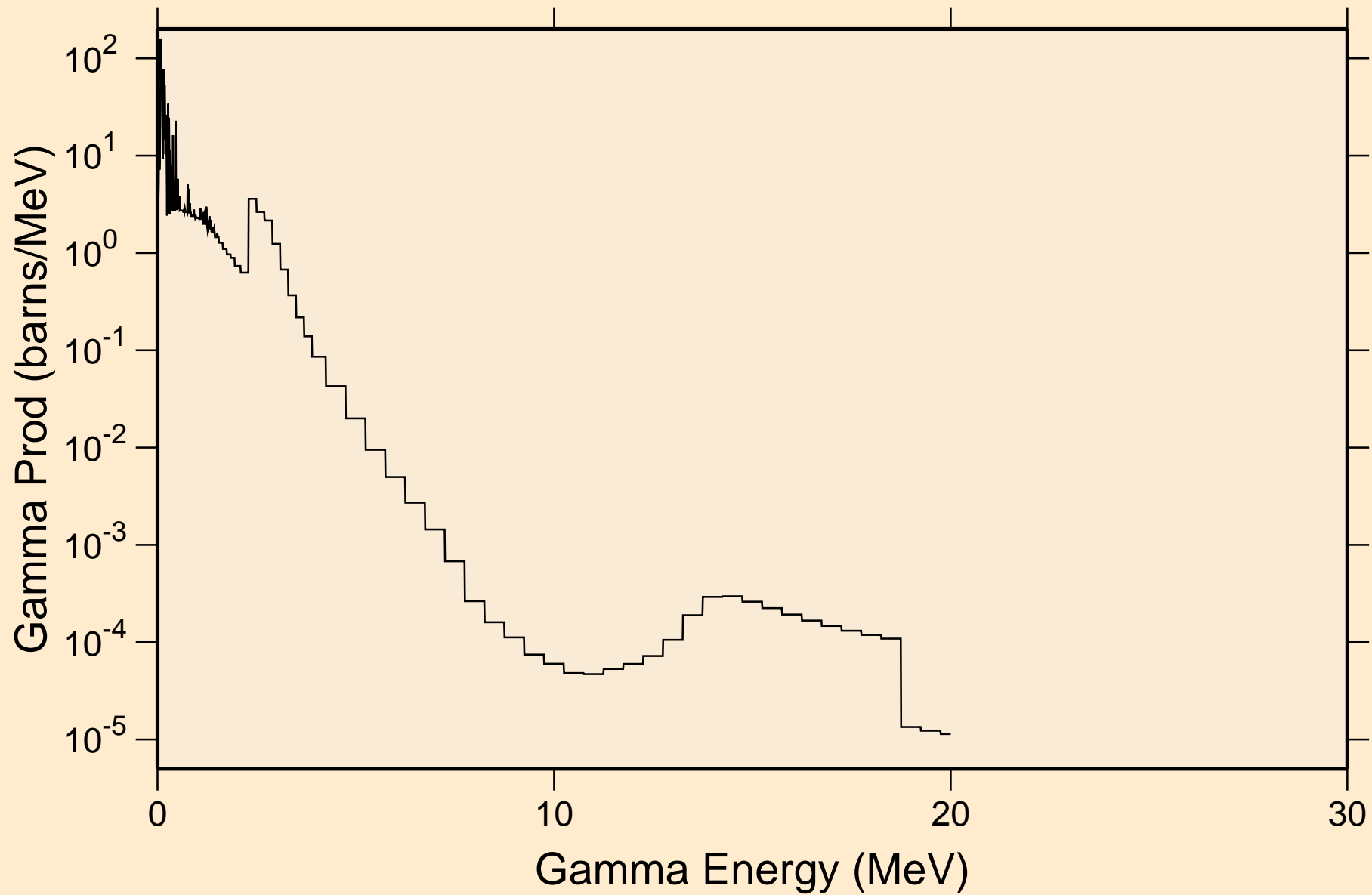


HF178 NRG TENDL-2015, AKONING  
thermal capture photon spectrum



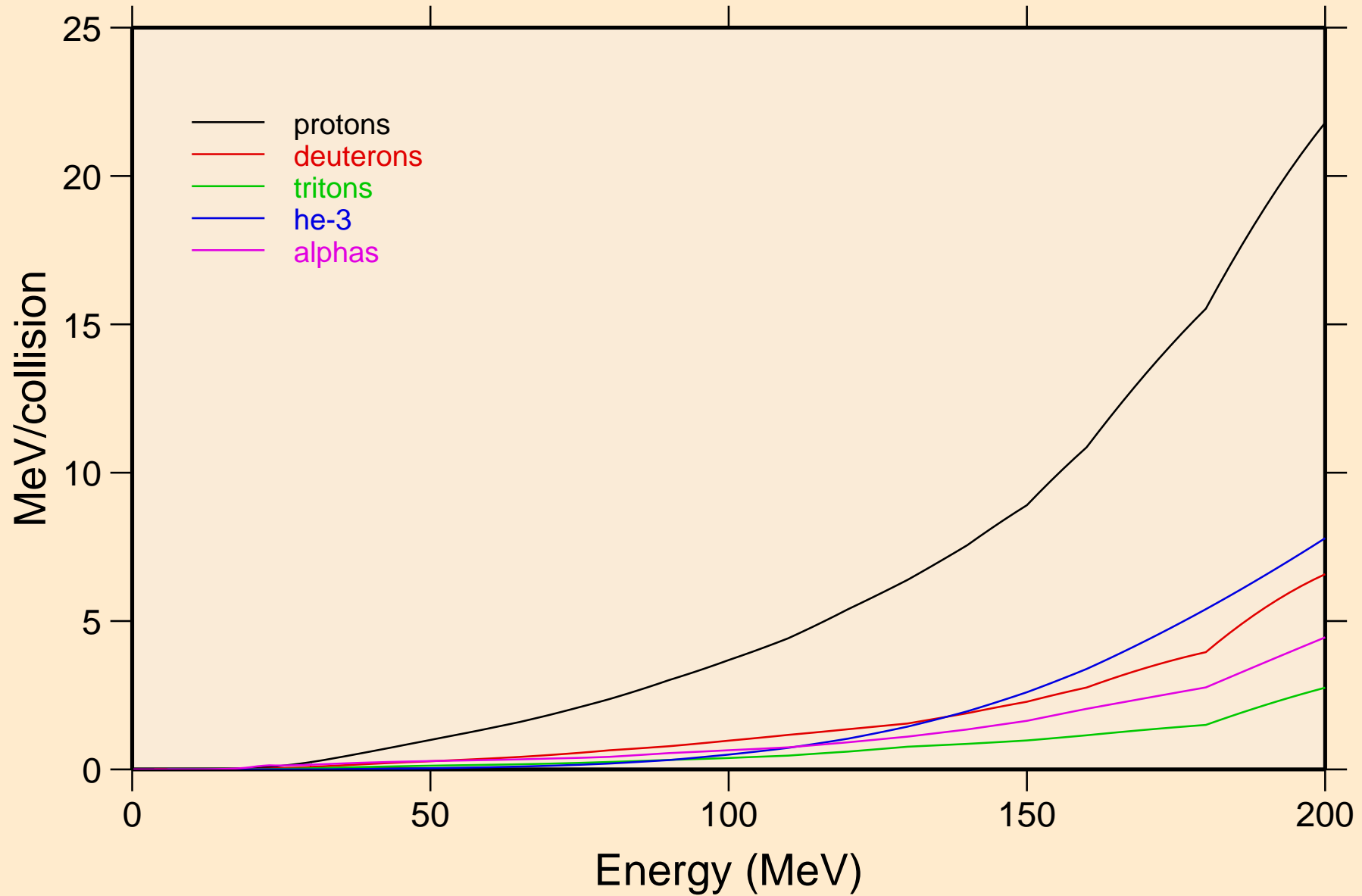


HF178 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



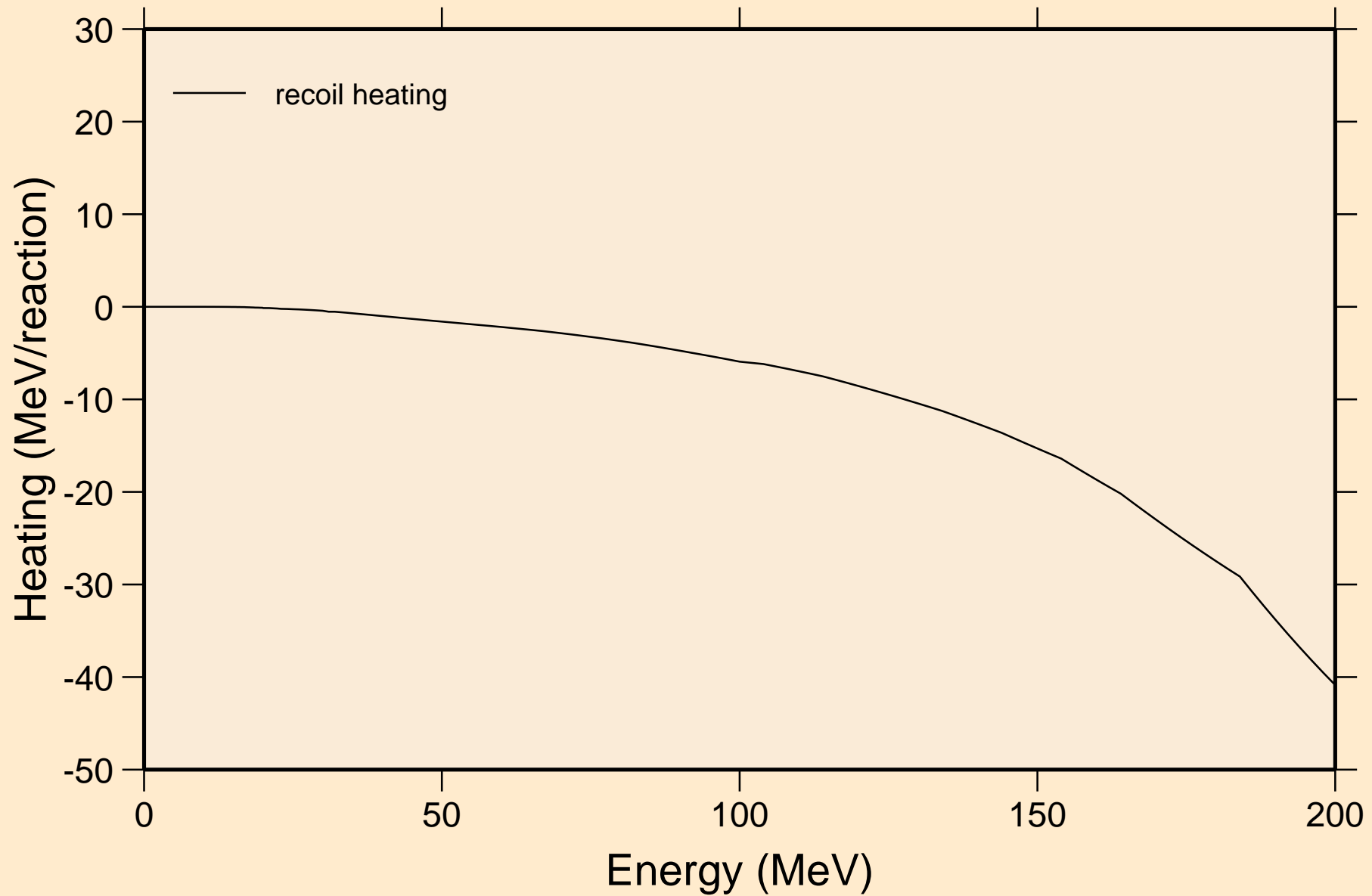
# HF178 NRG TENDL-2015, AKONING

## Particle heating contributions



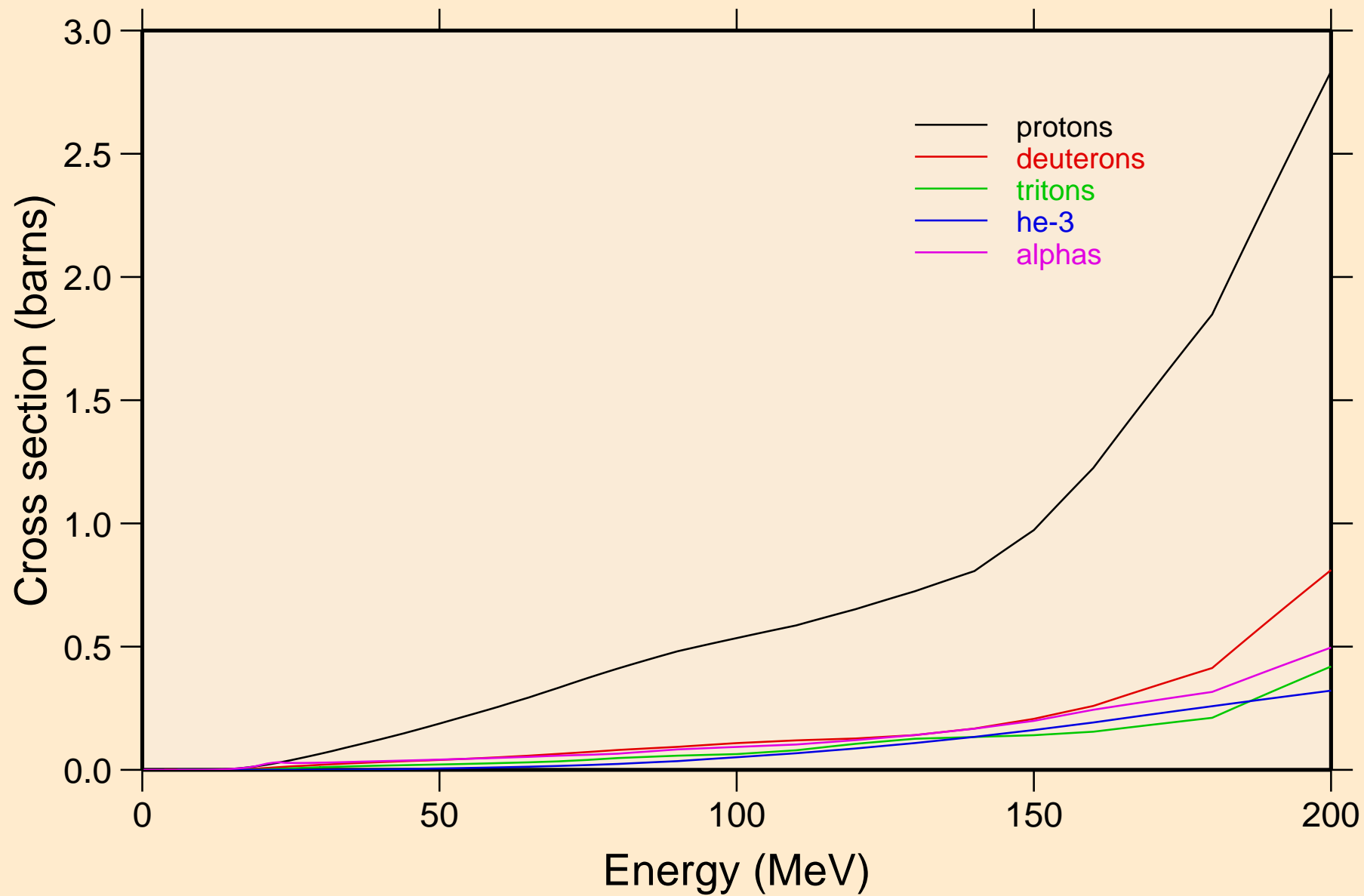
# HF178 NRG TENDL-2015, AKONING

## Recoil Heating

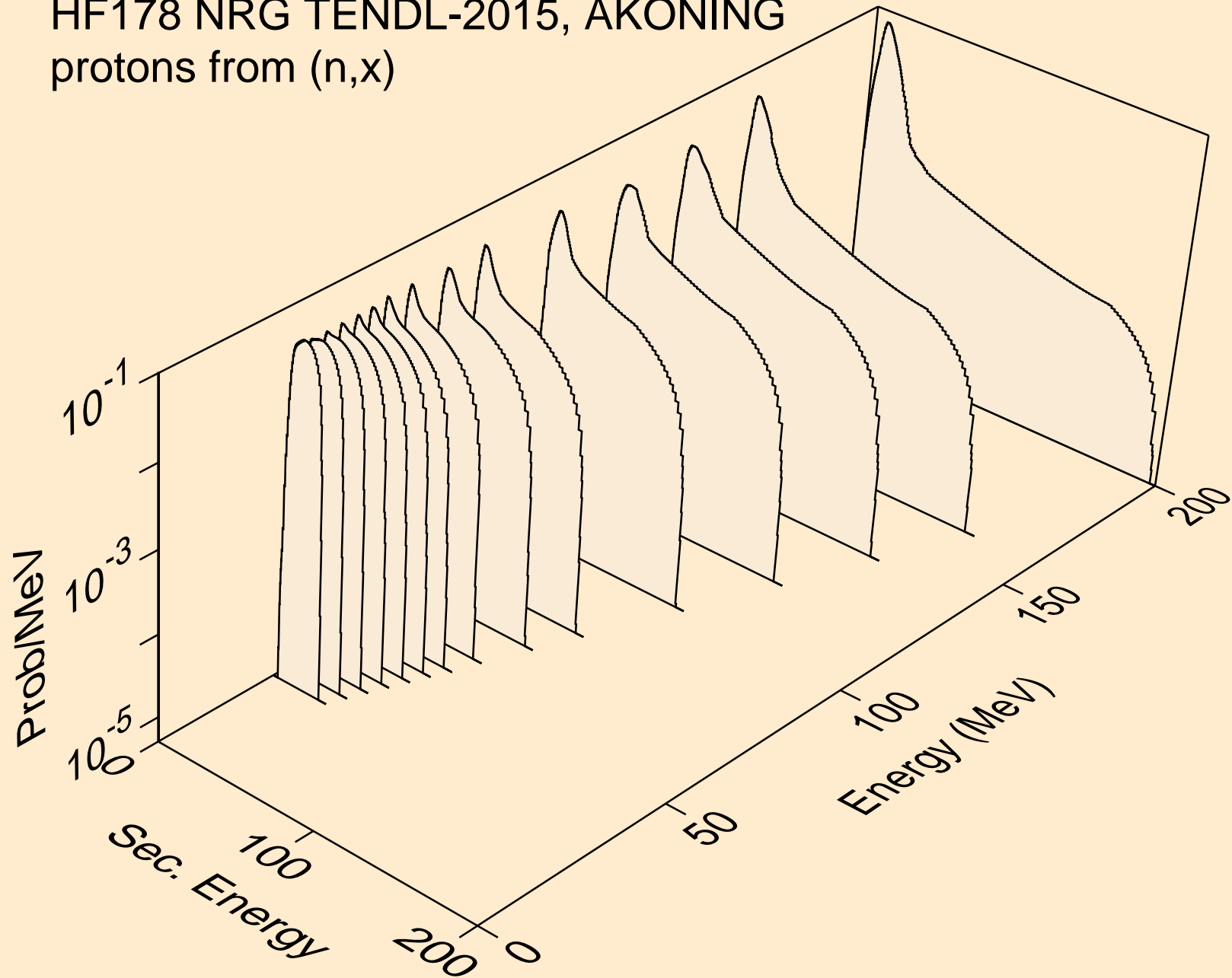


# HF178 NRG TENDL-2015, AKONING

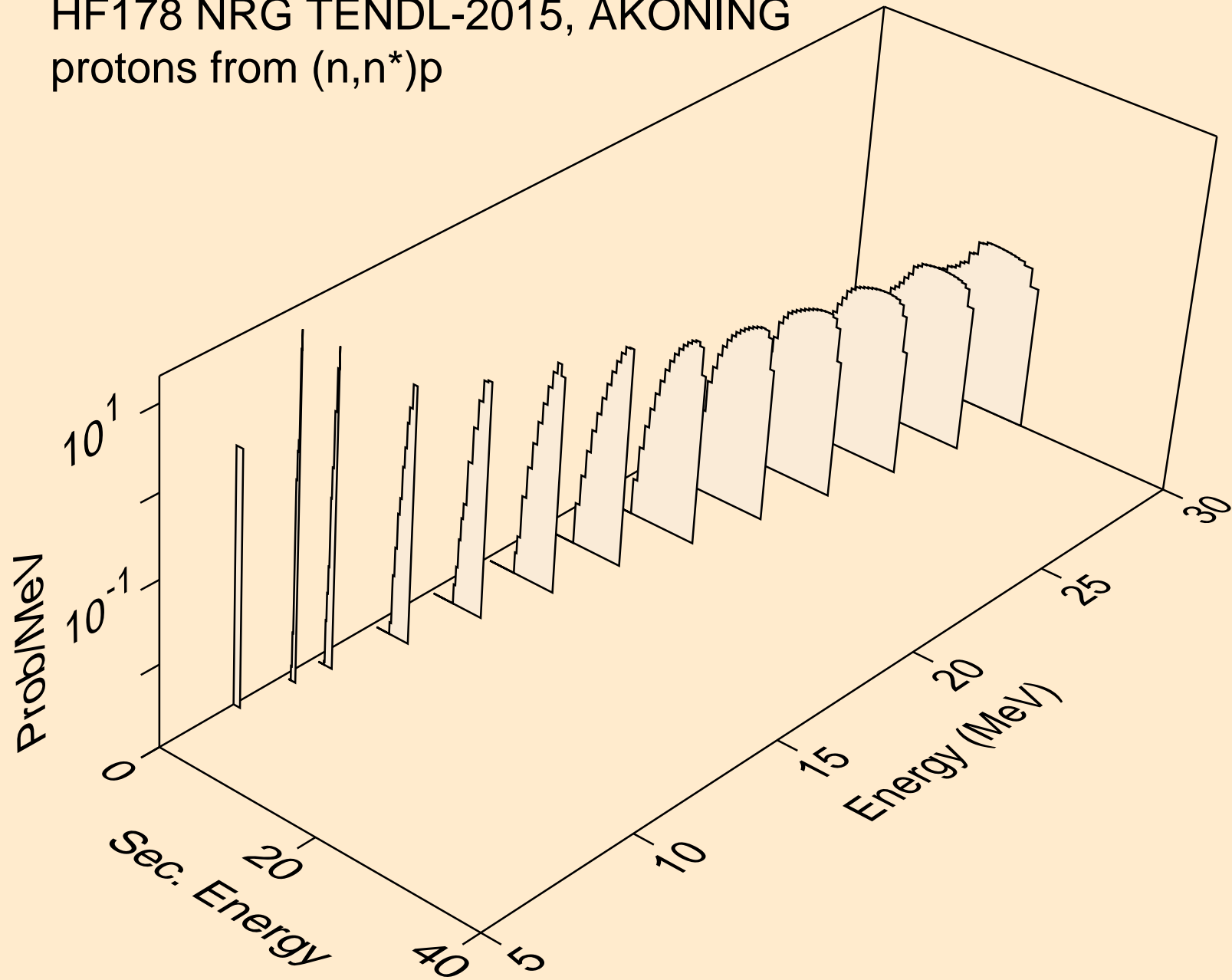
## Particle production cross sections



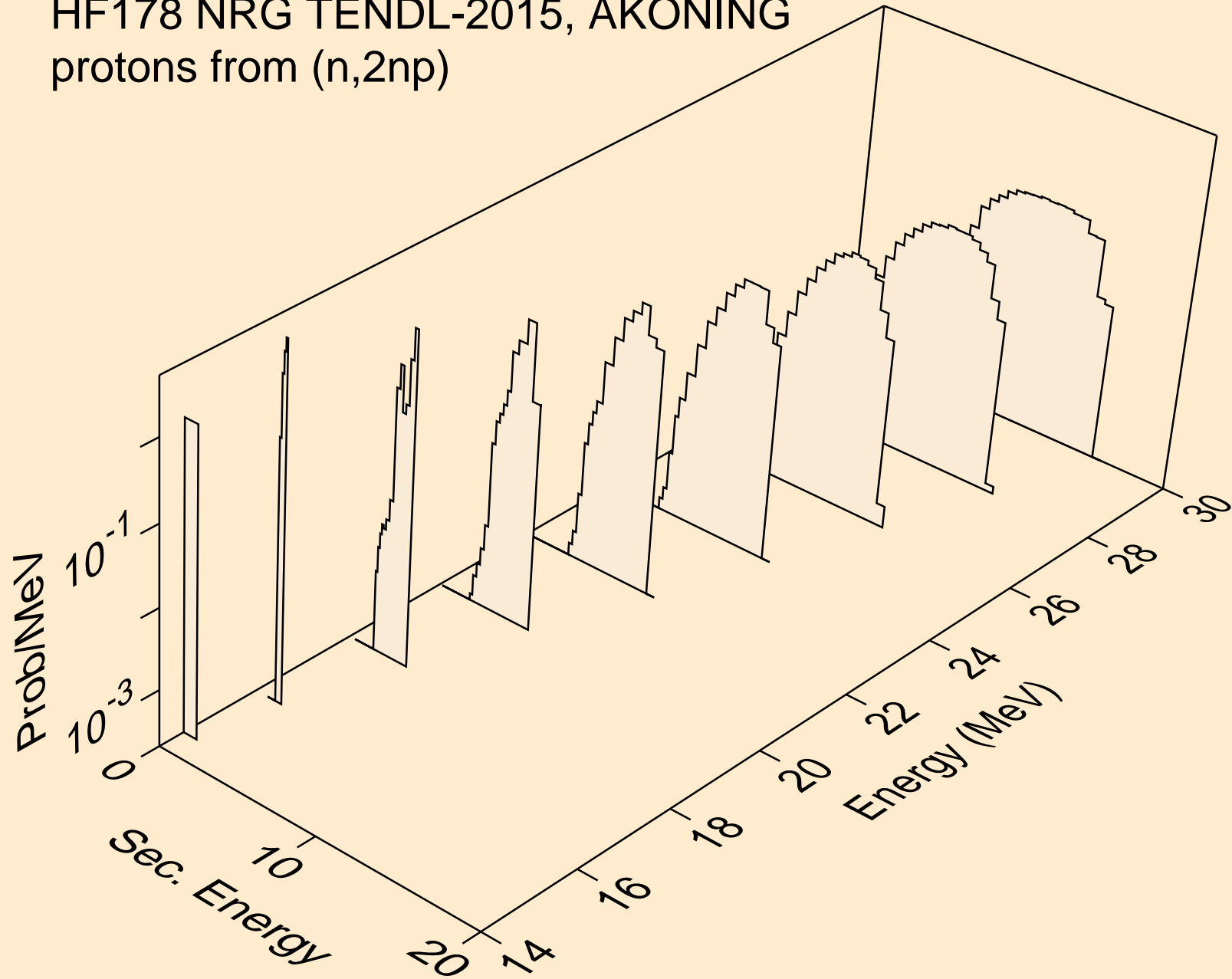
HF178 NRG TENDL-2015, AKONING  
protons from (n,x)



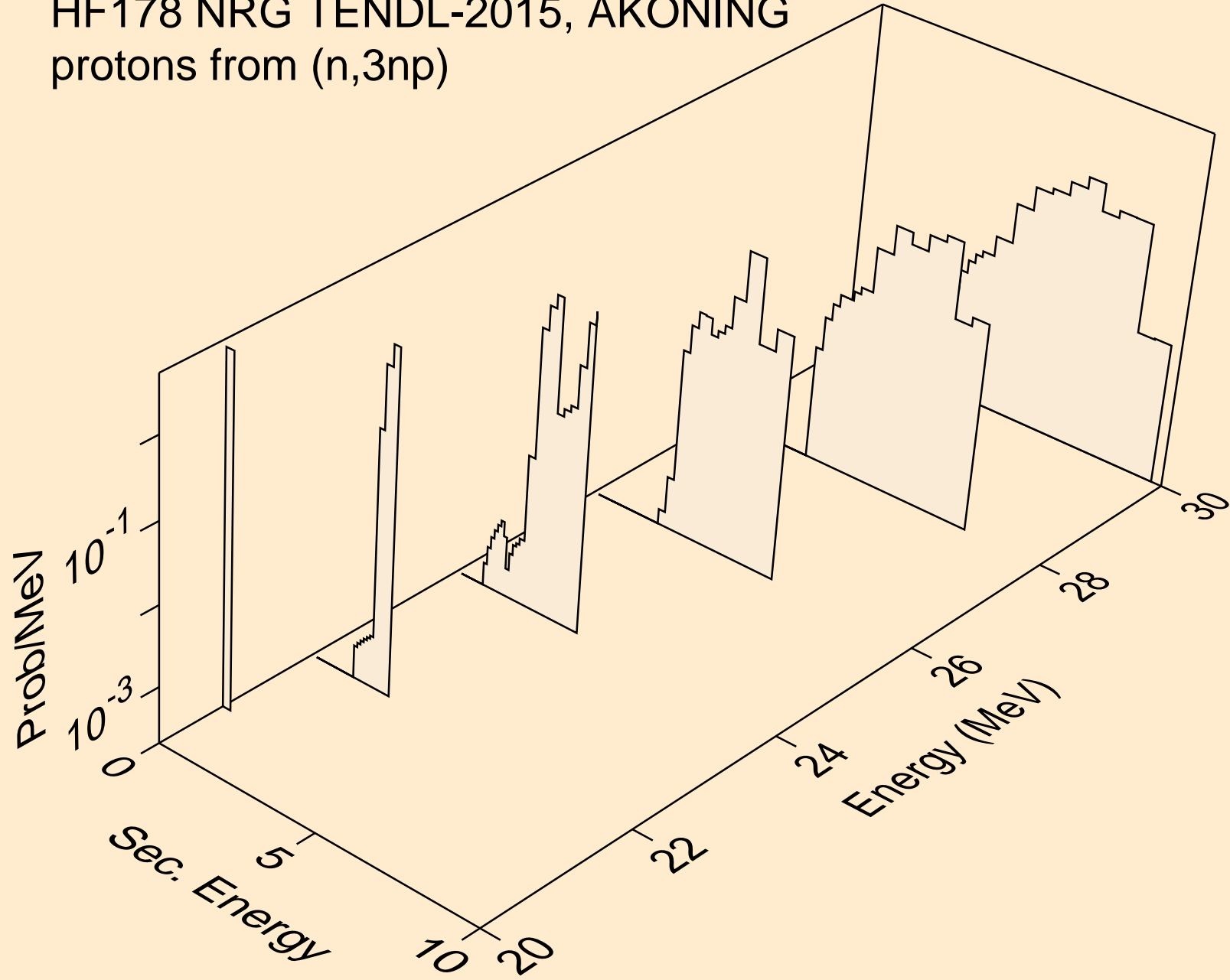
HF178 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



HF178 NRG TENDL-2015, AKONING  
protons from (n,2np)

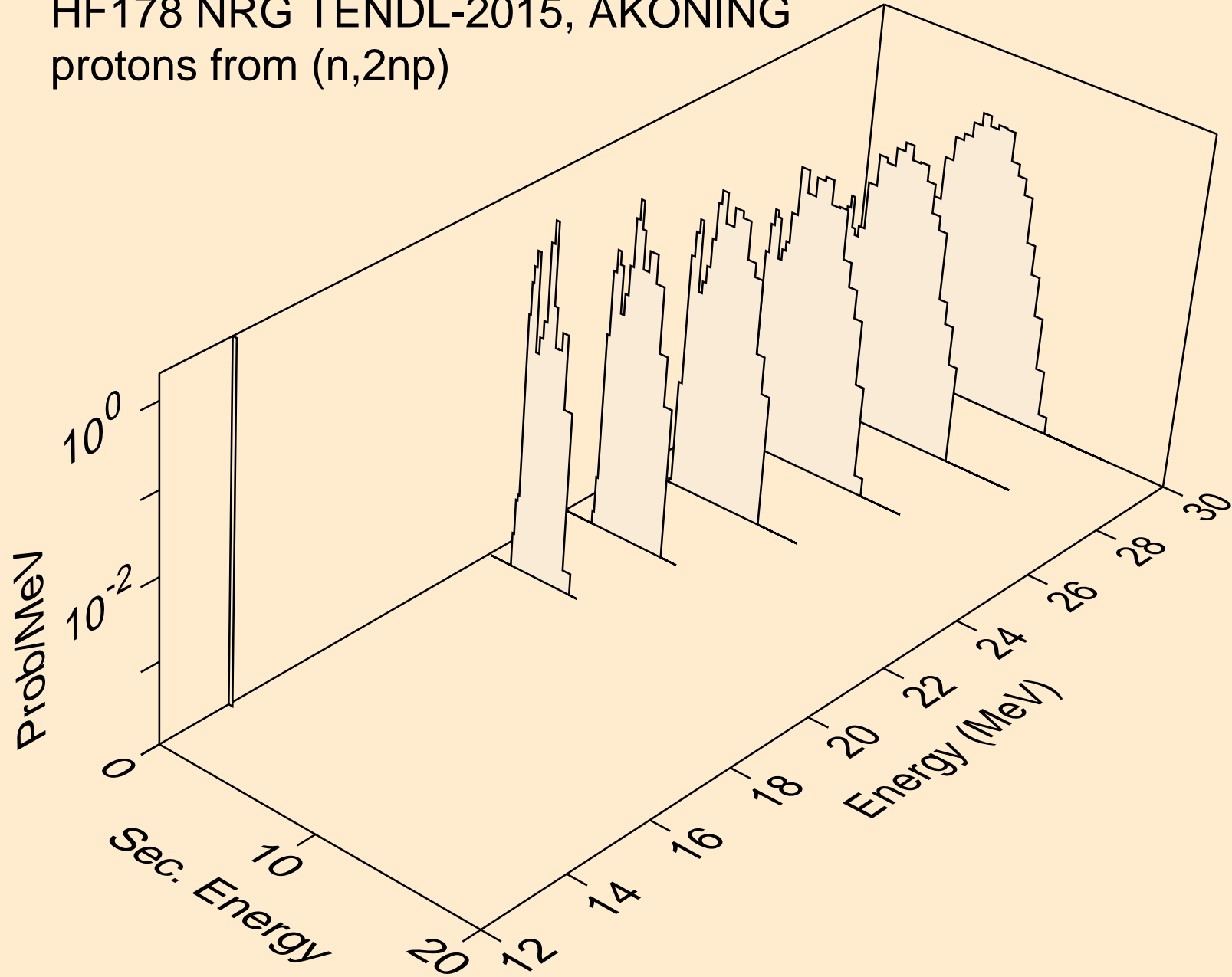


HF178 NRG TENDL-2015, AKONING  
protons from (n,3np)

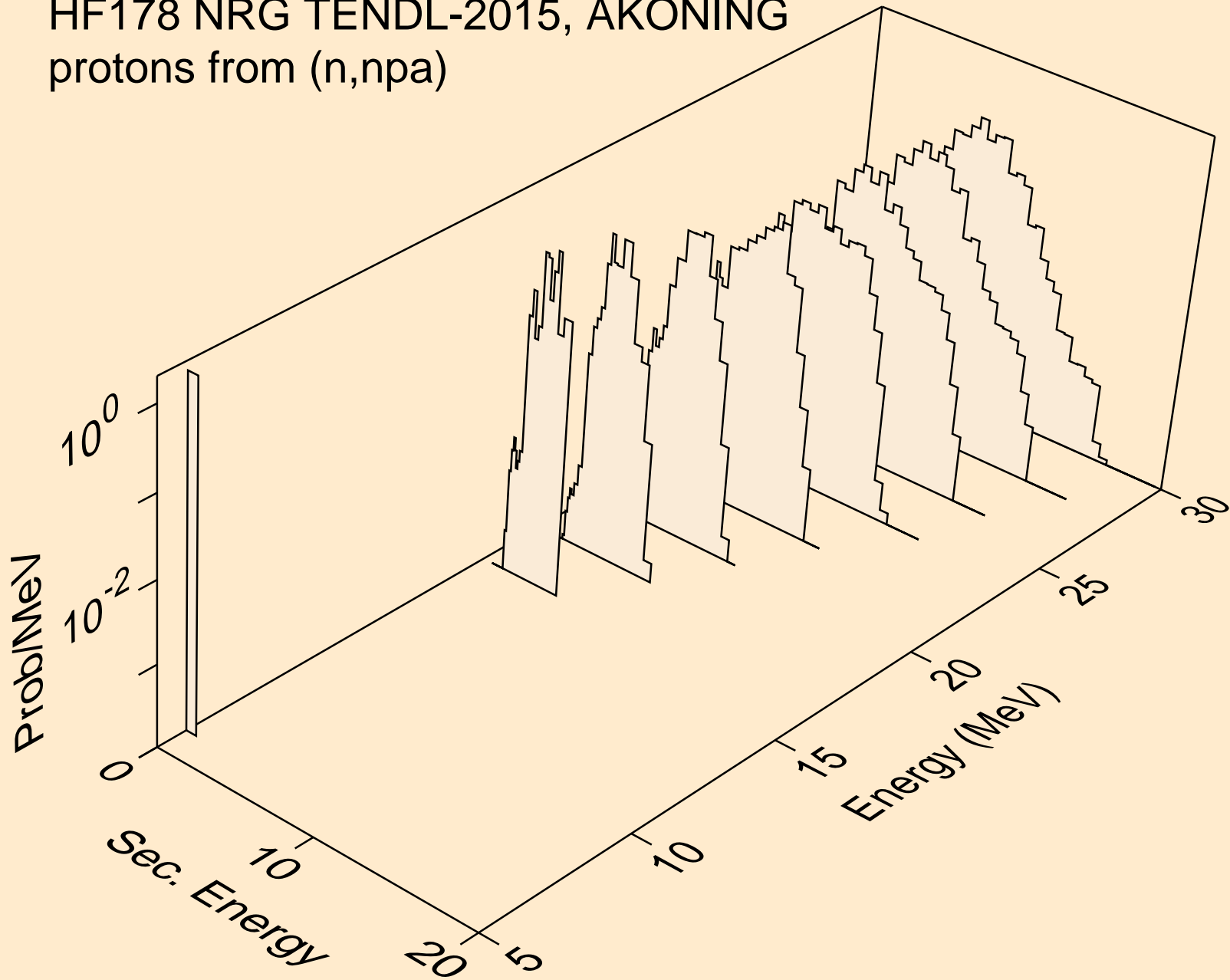




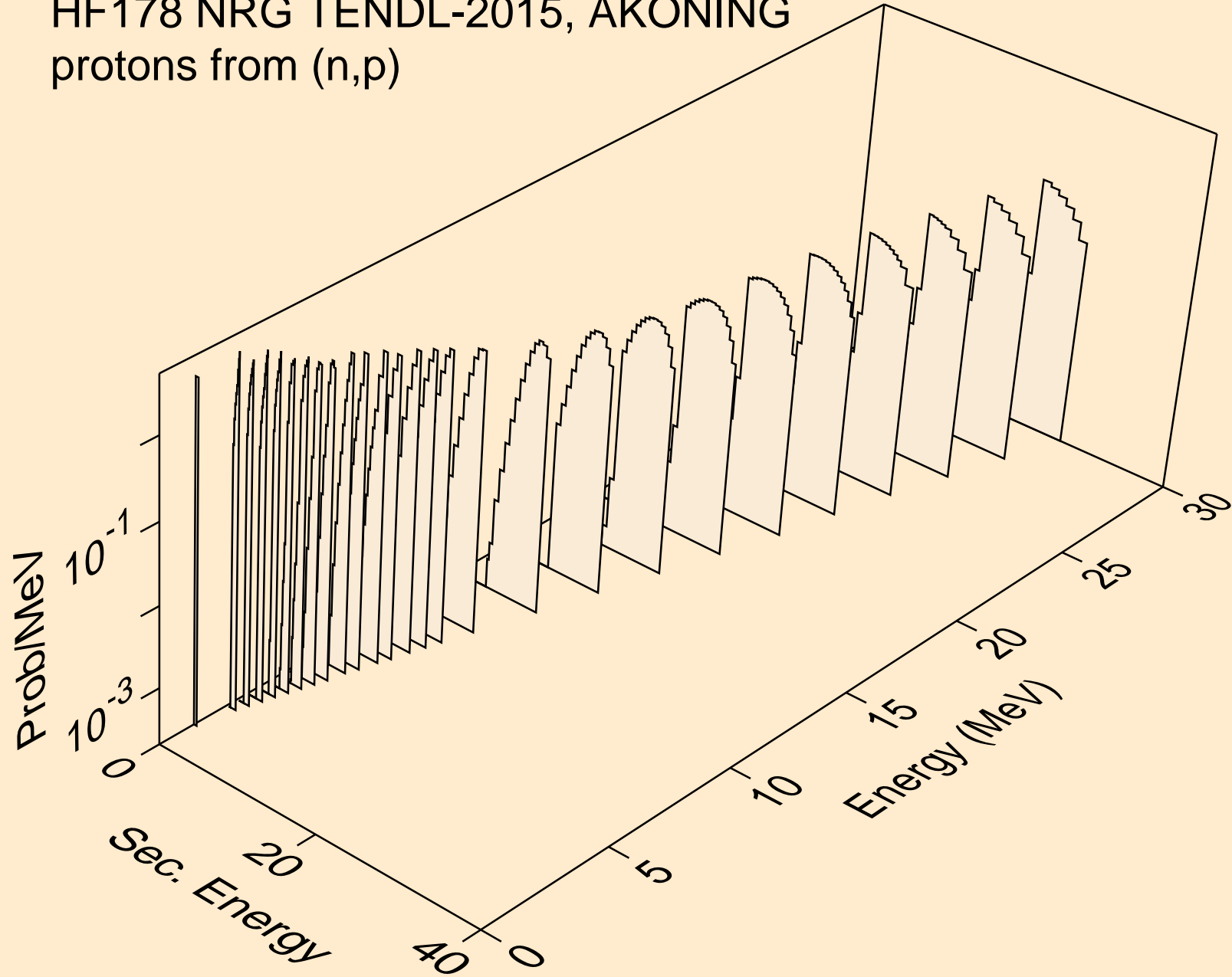
HF178 NRG TENDL-2015, AKONING  
protons from (n,2np)



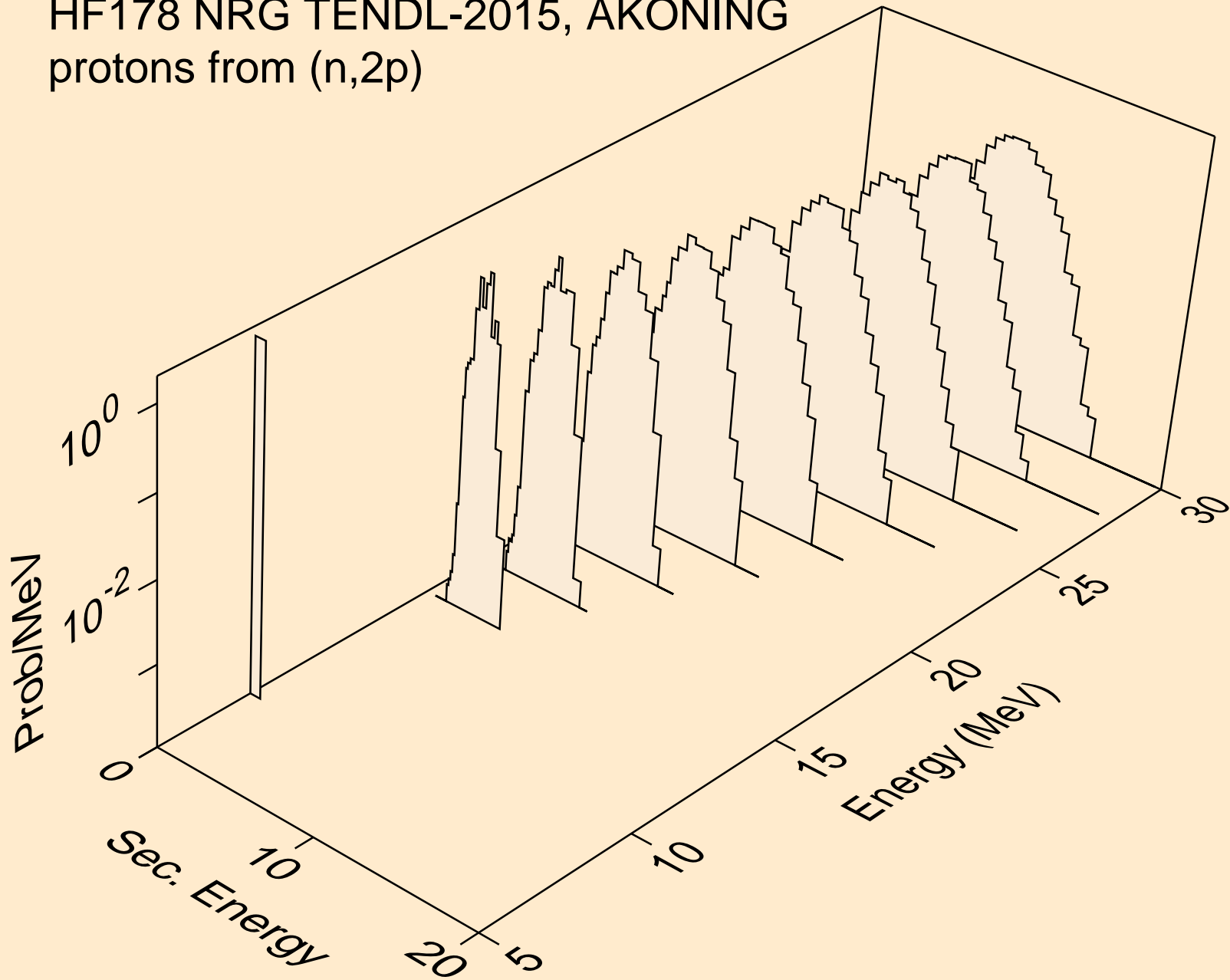
HF178 NRG TENDL-2015, AKONING  
protons from (n,npa)



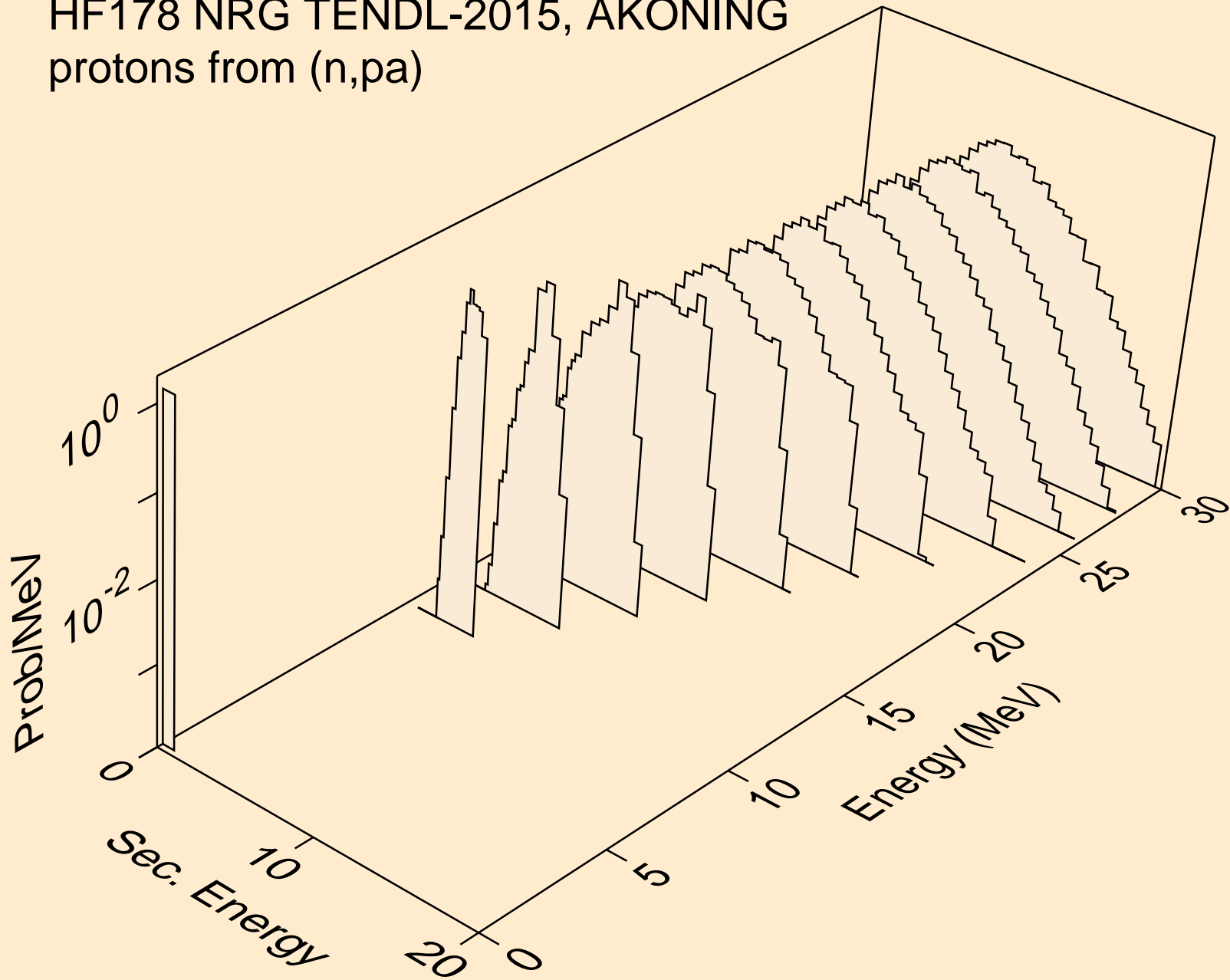
HF178 NRG TENDL-2015, AKONING  
protons from (n,p)



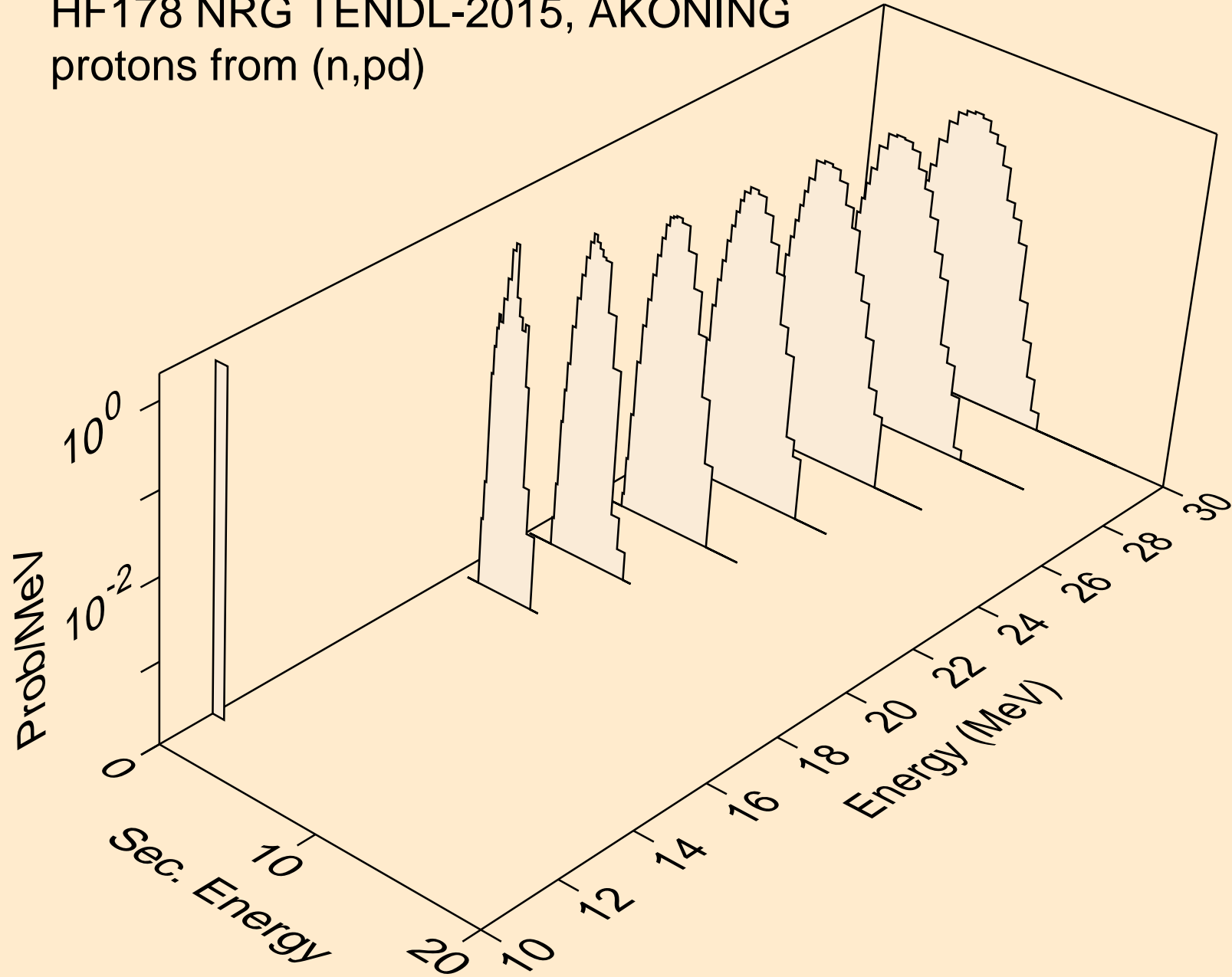
HF178 NRG TENDL-2015, AKONING  
protons from (n,2p)



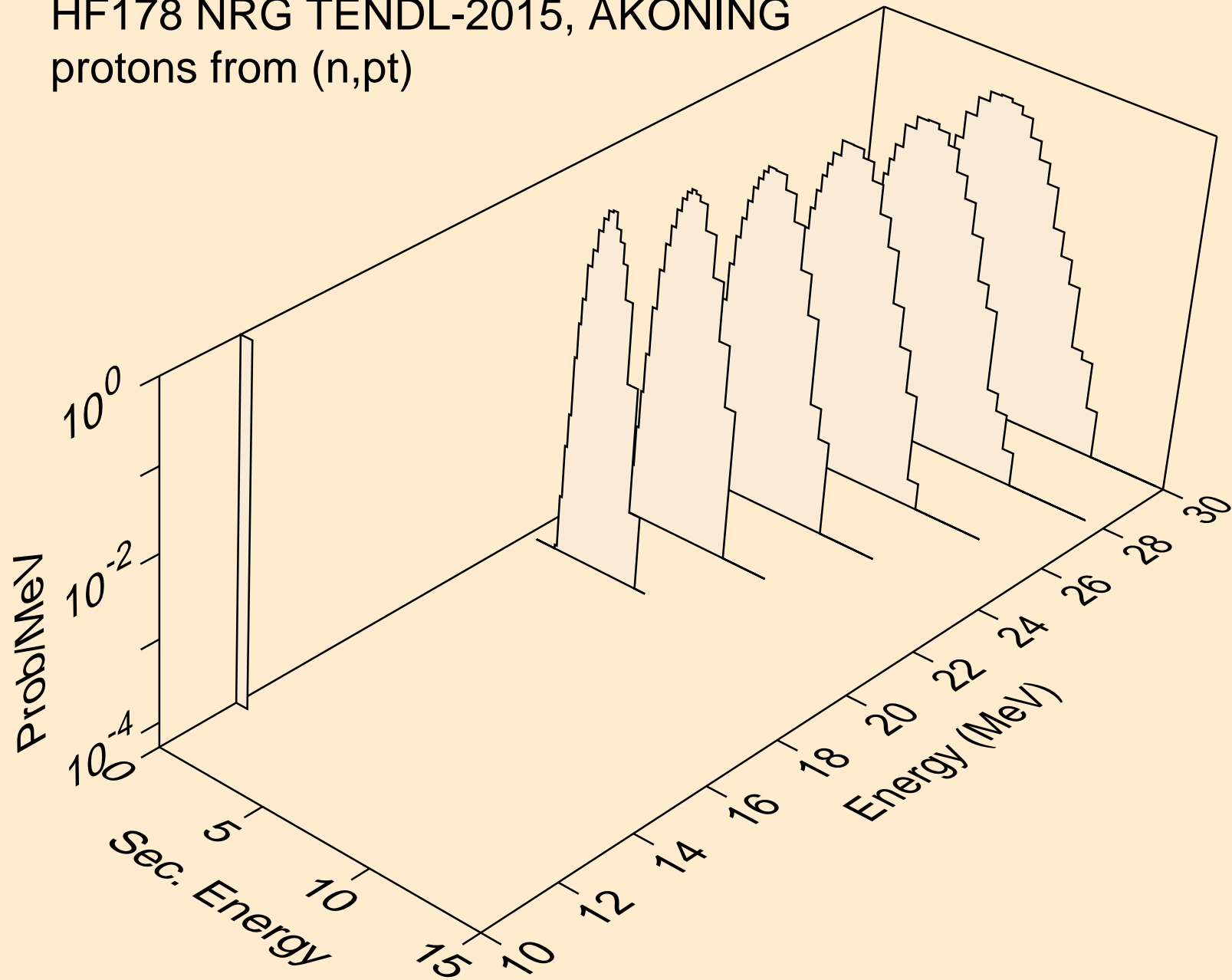
HF178 NRG TENDL-2015, AKONING  
protons from (n,pa)



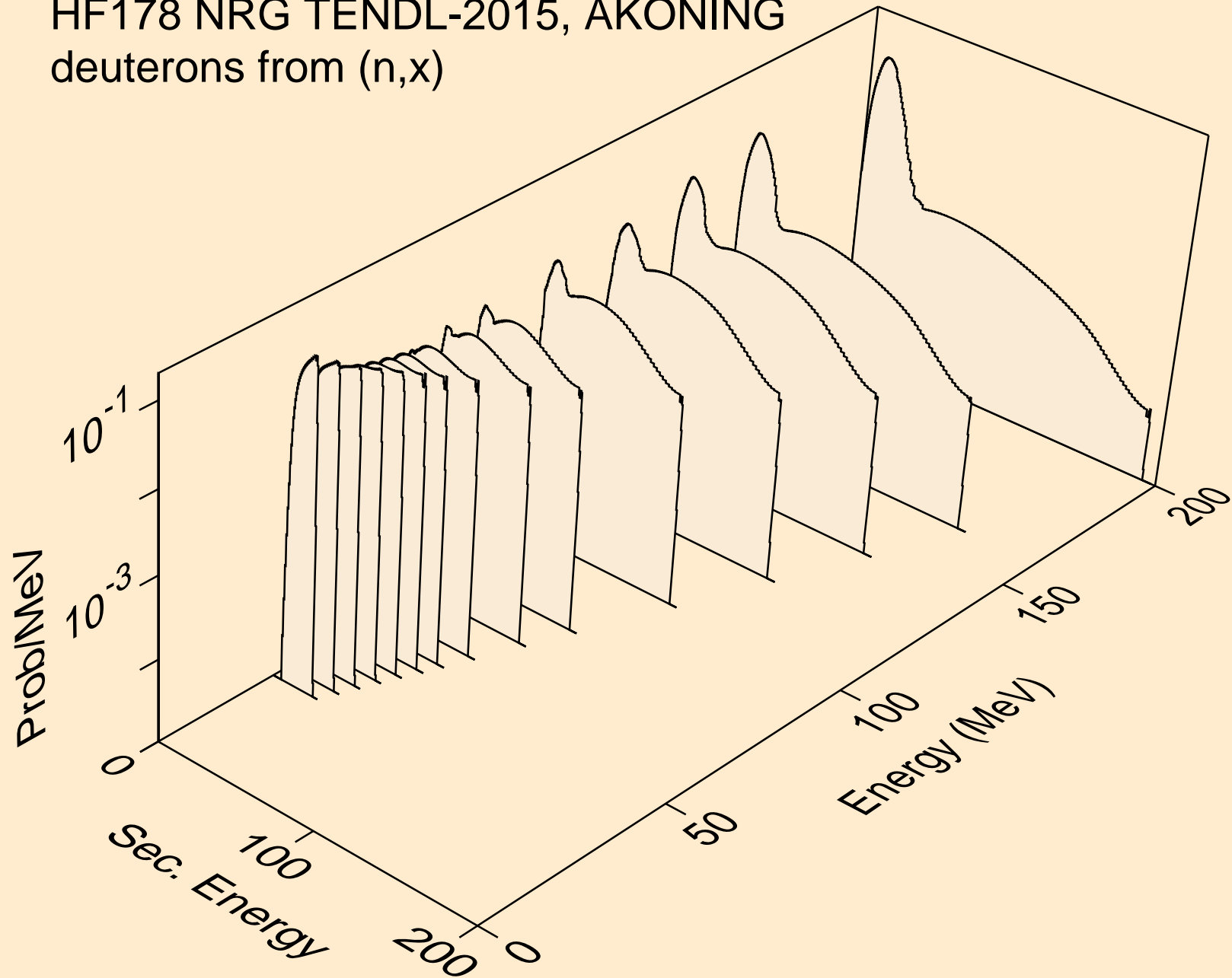
HF178 NRG TENDL-2015, AKONING  
protons from (n,pd)



HF178 NRG TENDL-2015, AKONING  
protons from (n,pt)

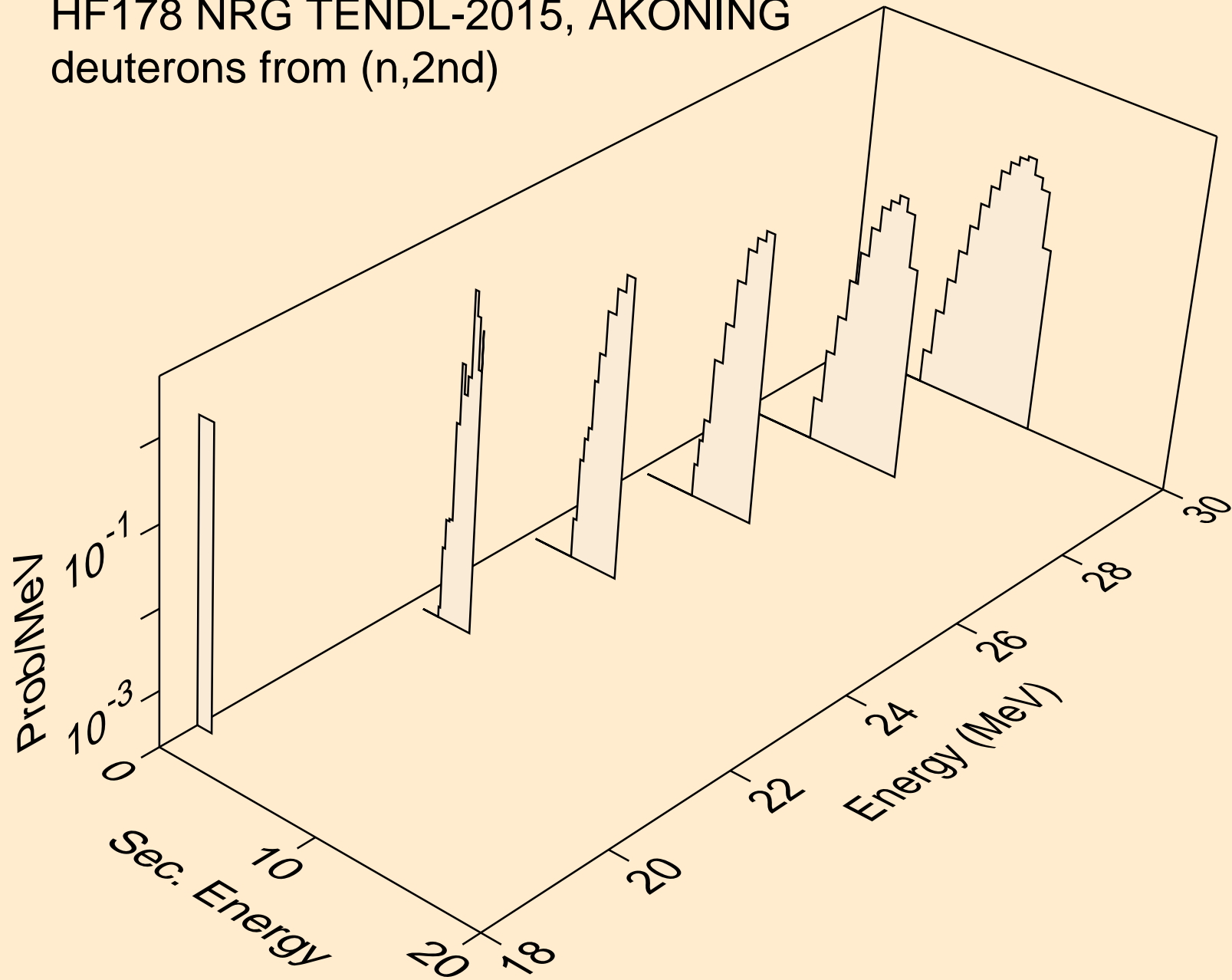


HF178 NRG TENDL-2015, AKONING  
deuterons from (n,x)

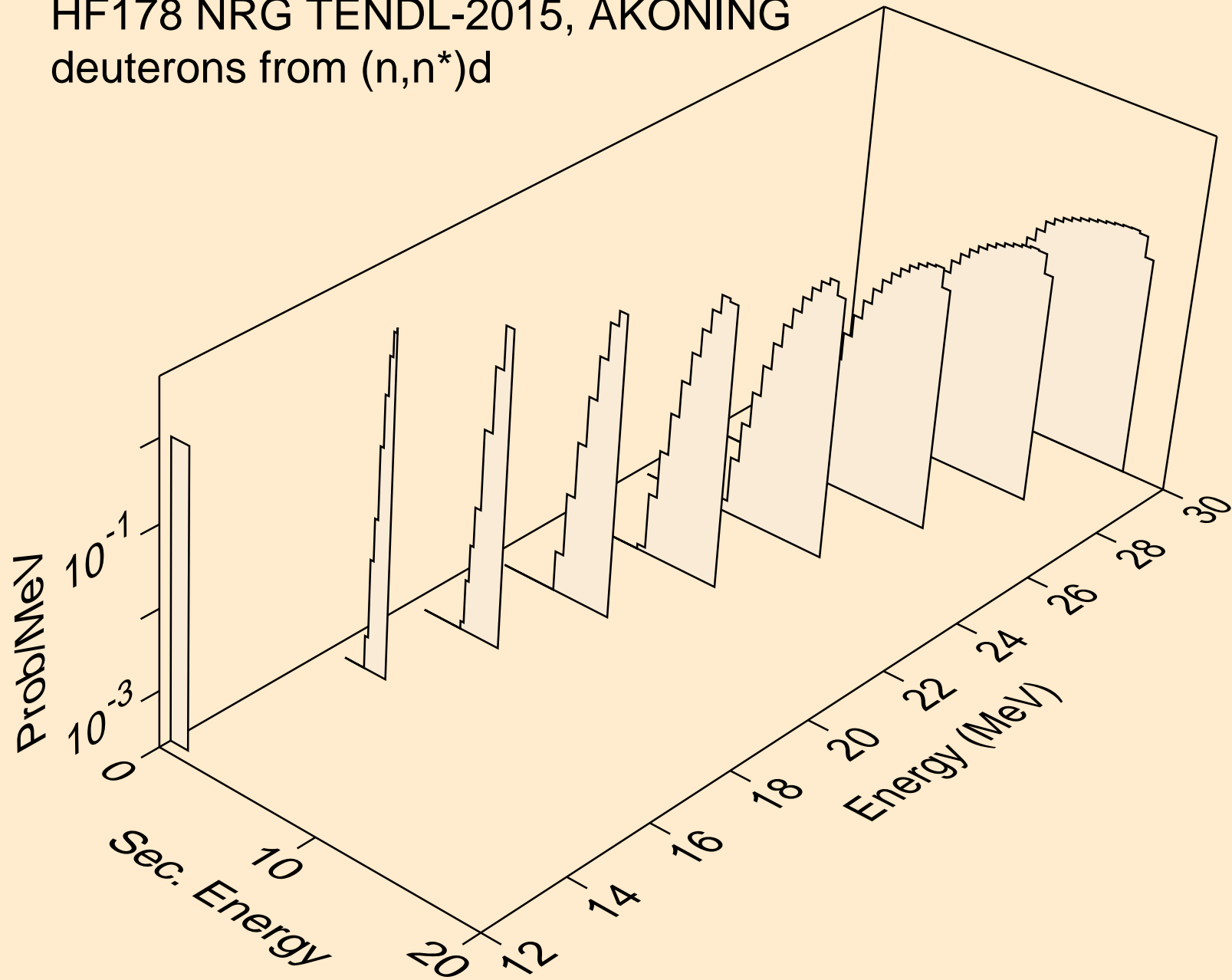




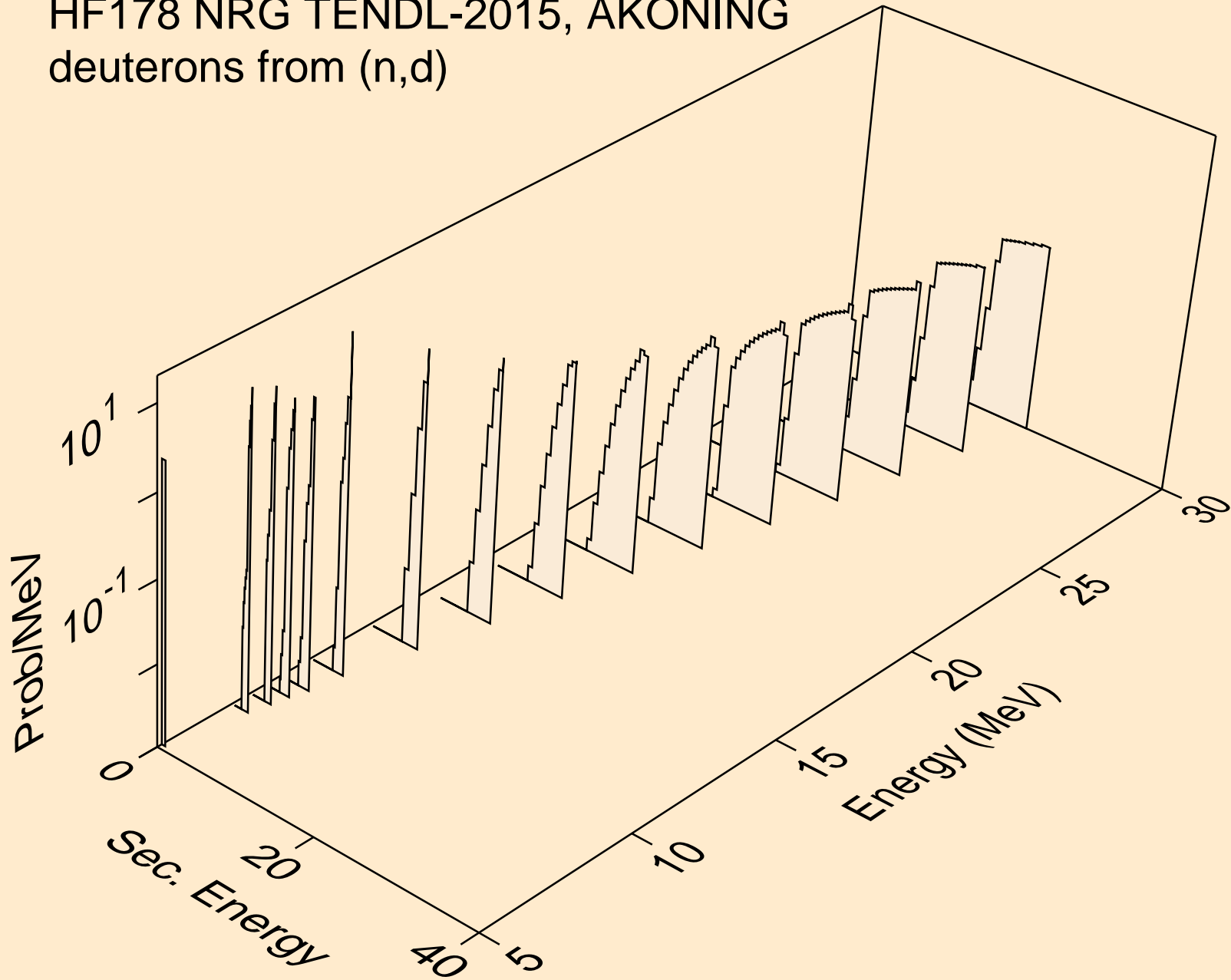
HF178 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



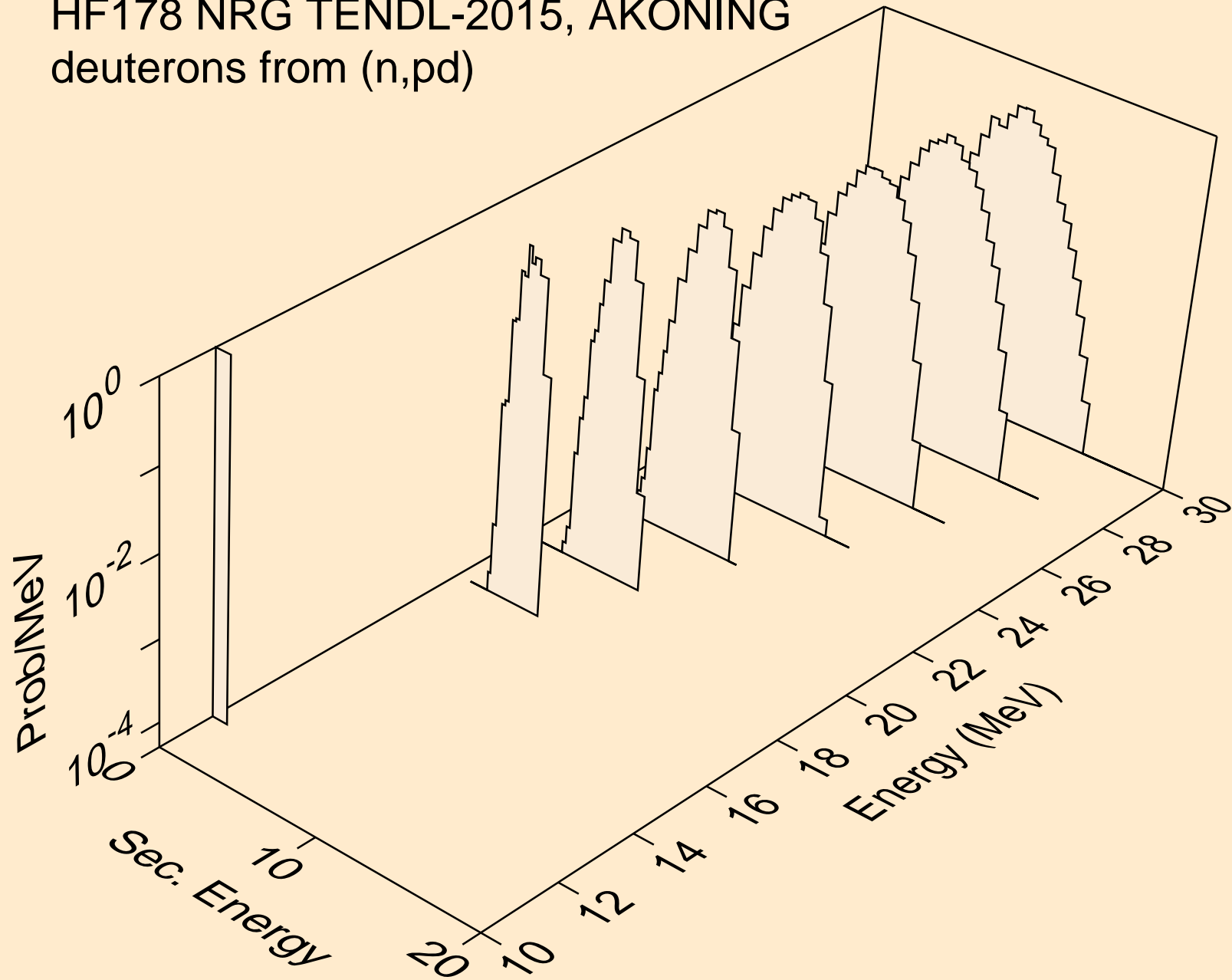
HF178 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



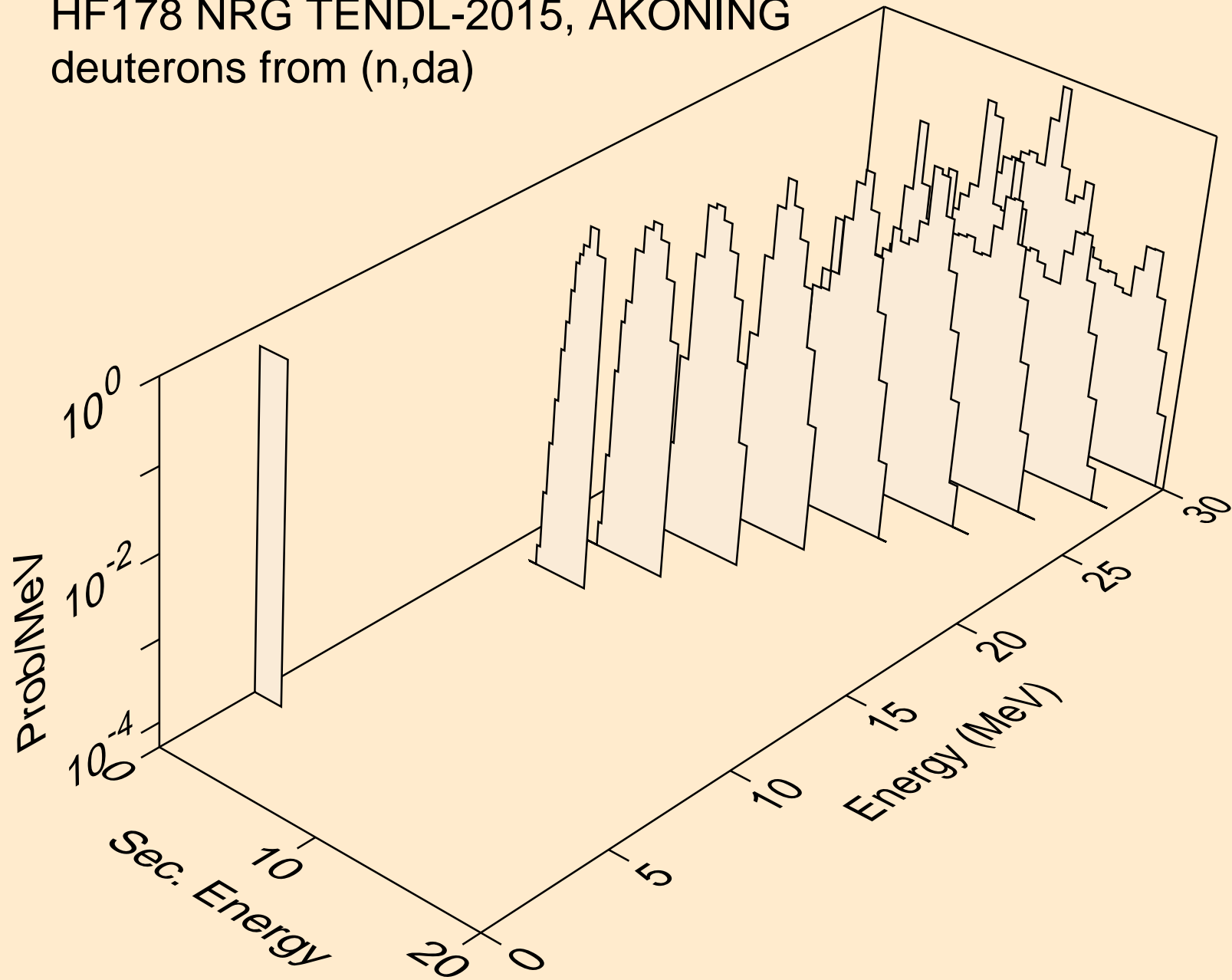
HF178 NRG TENDL-2015, AKONING  
deuterons from (n,d)



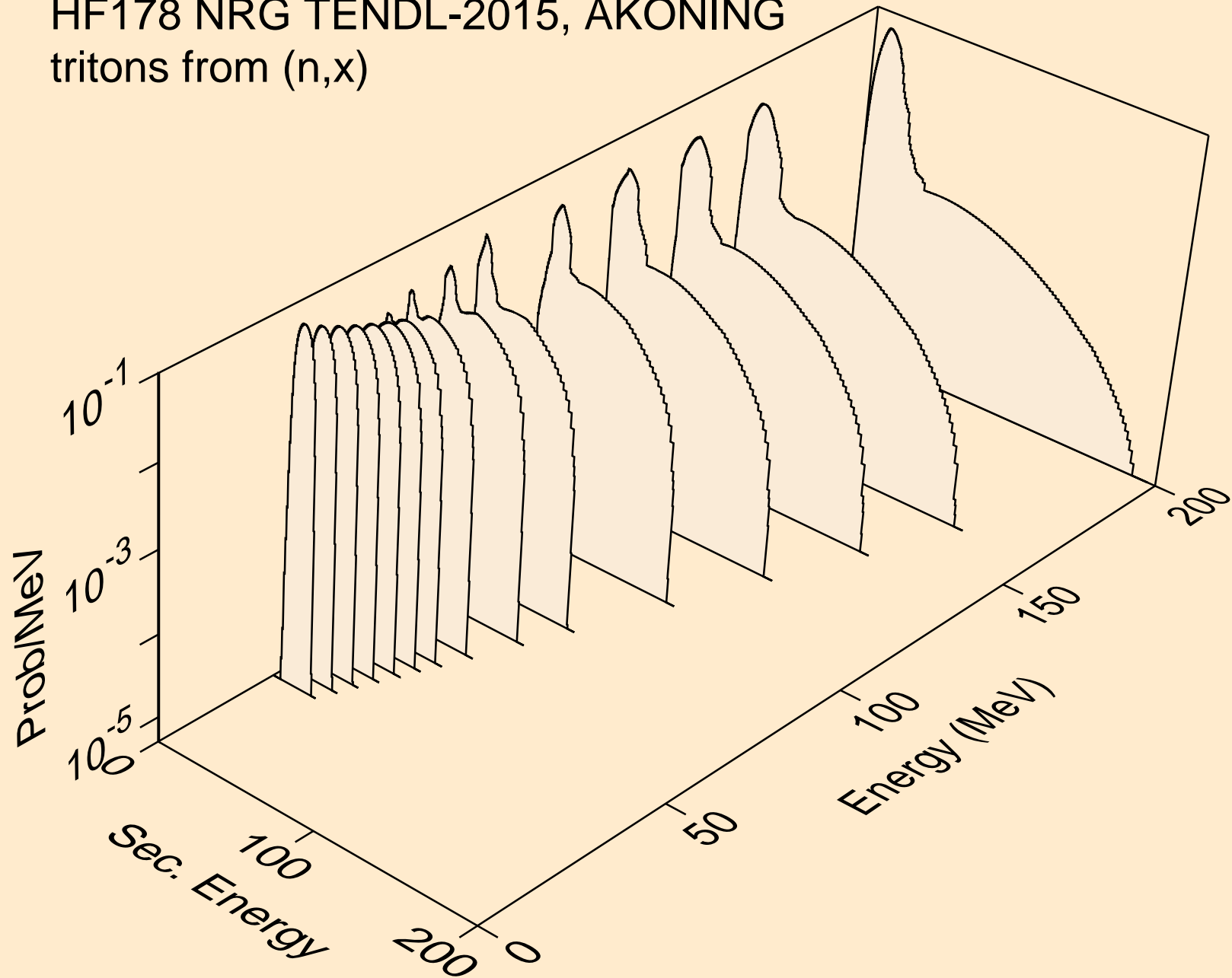
HF178 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



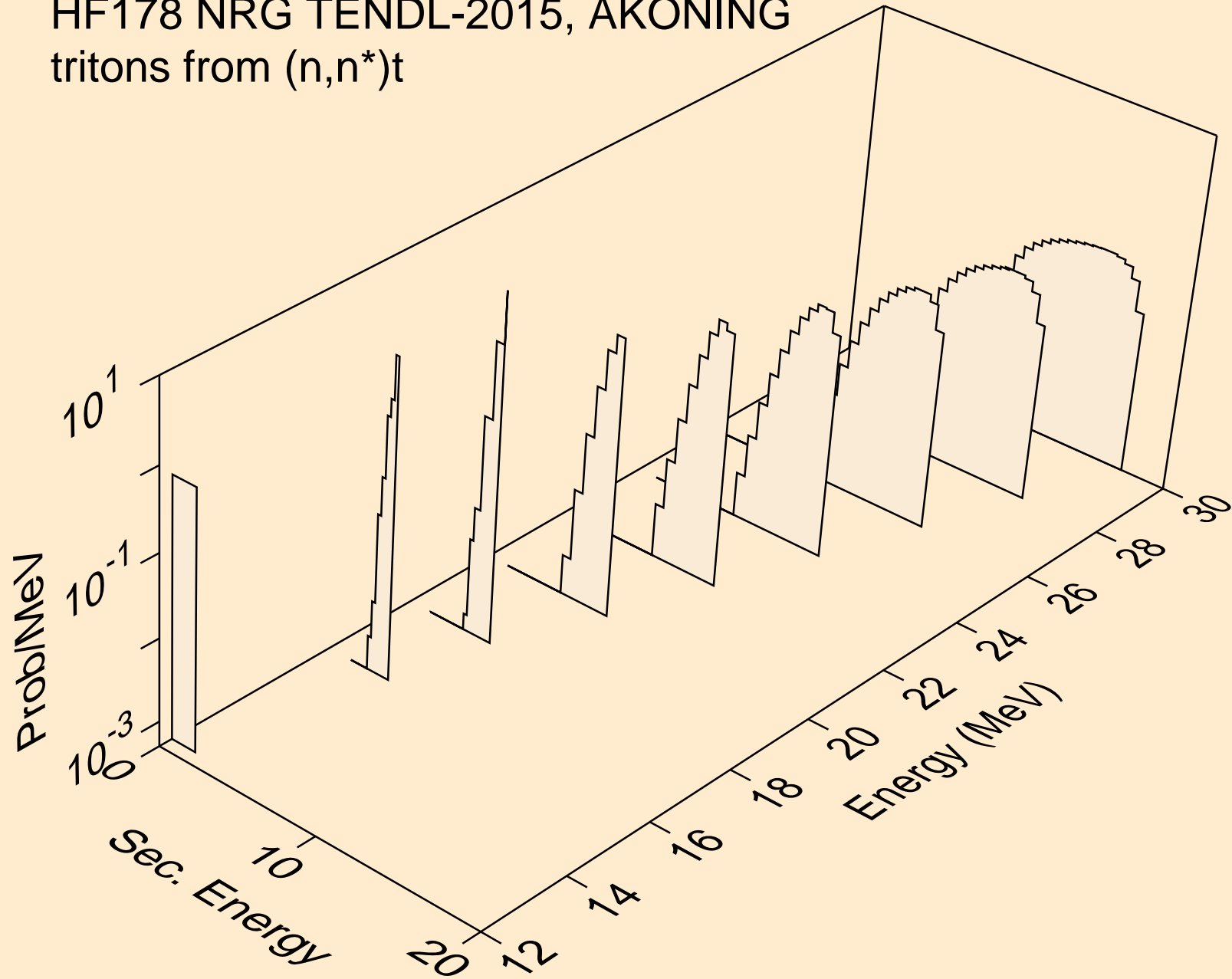
HF178 NRG TENDL-2015, AKONING  
deuterons from (n,da)



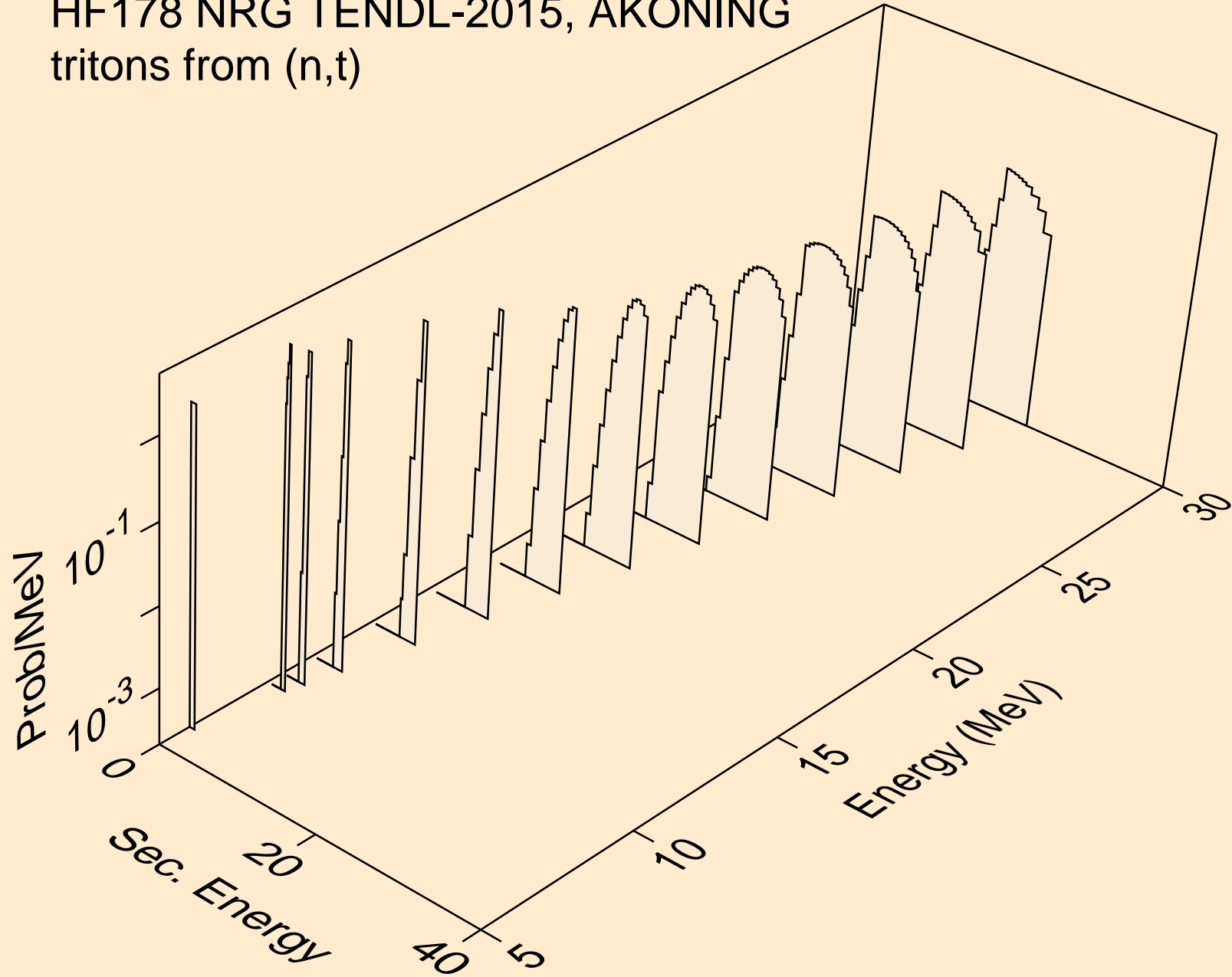
HF178 NRG TENDL-2015, AKONING  
tritons from (n,x)



HF178 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t

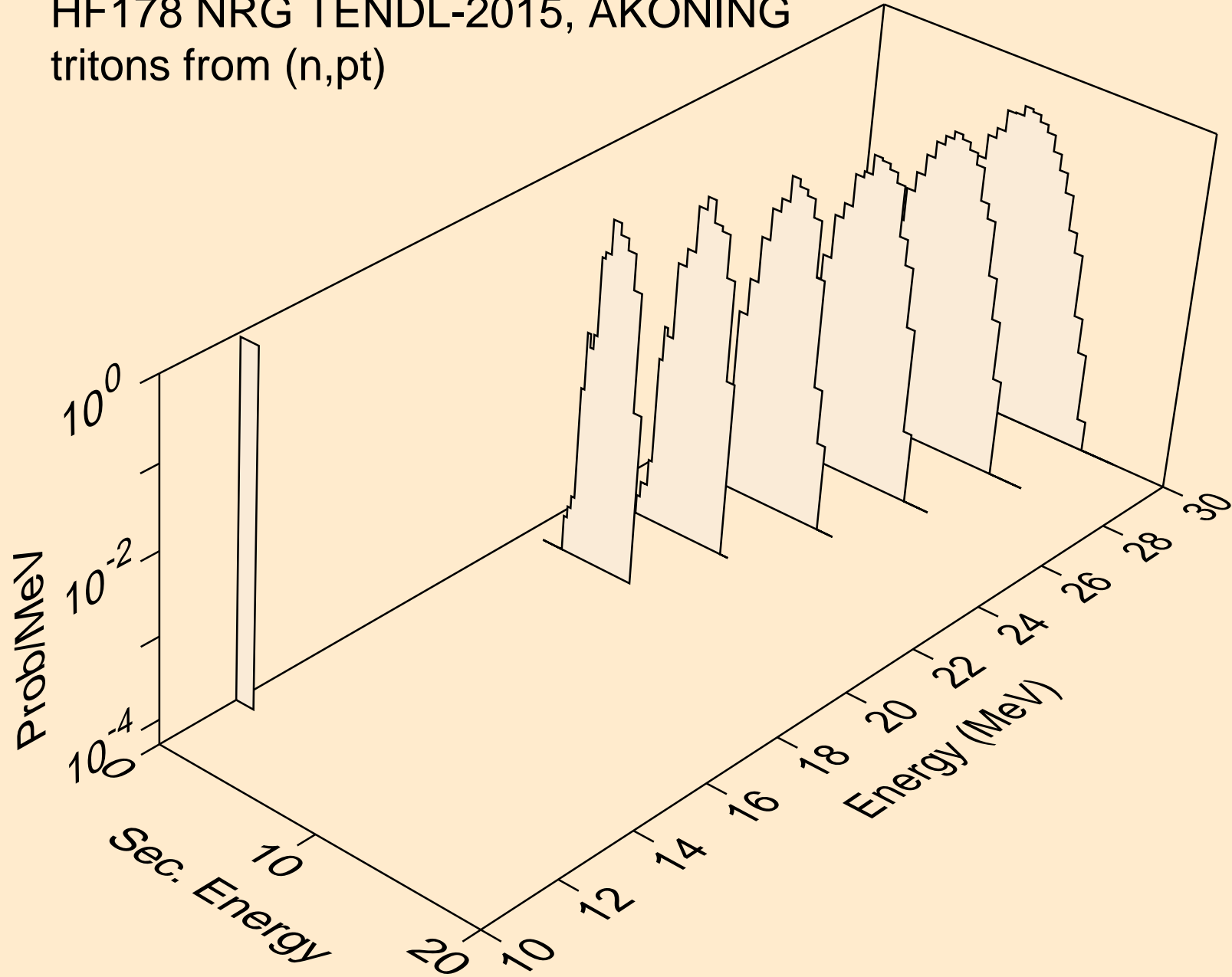


HF178 NRG TENDL-2015, AKONING  
tritons from (n,t)

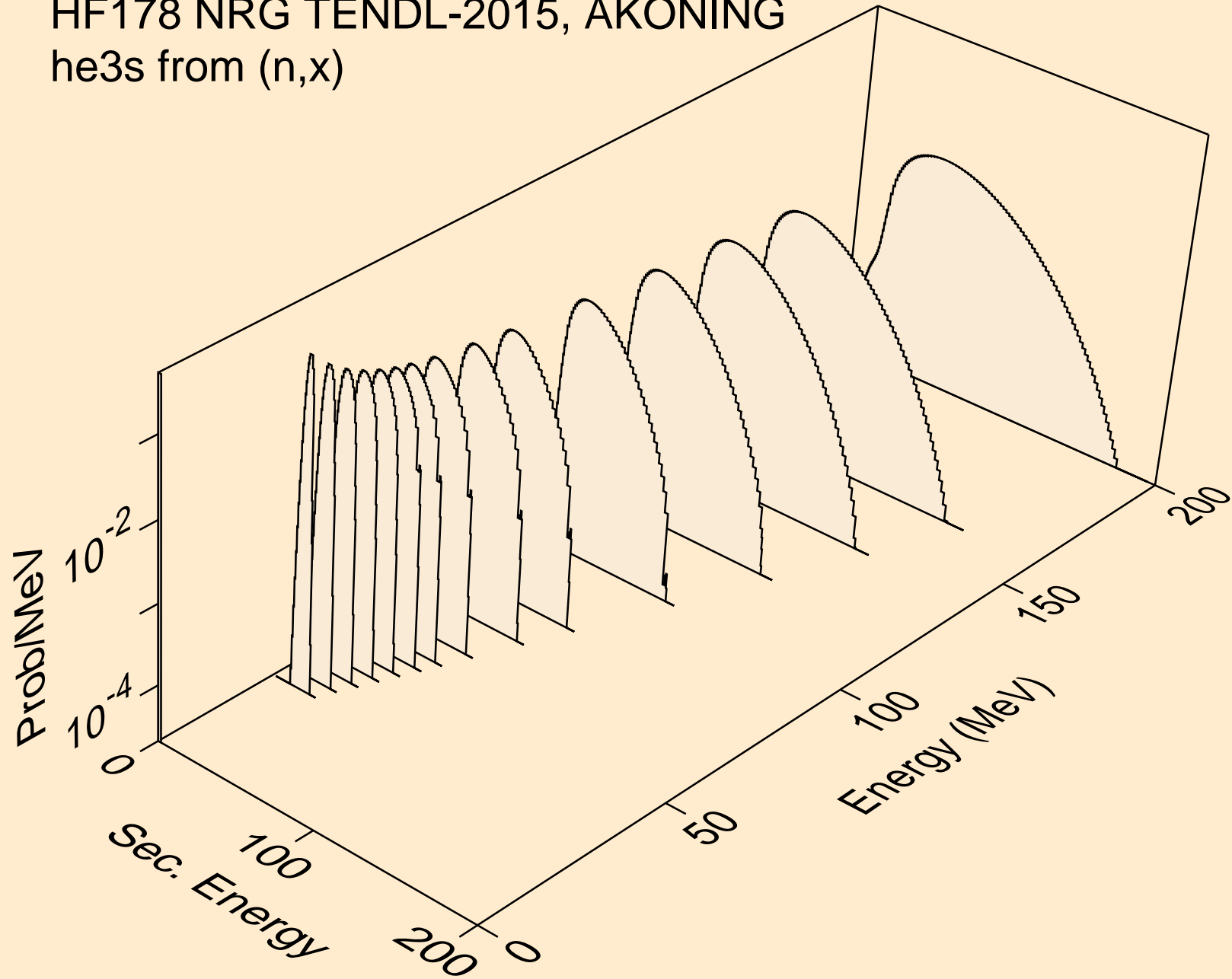




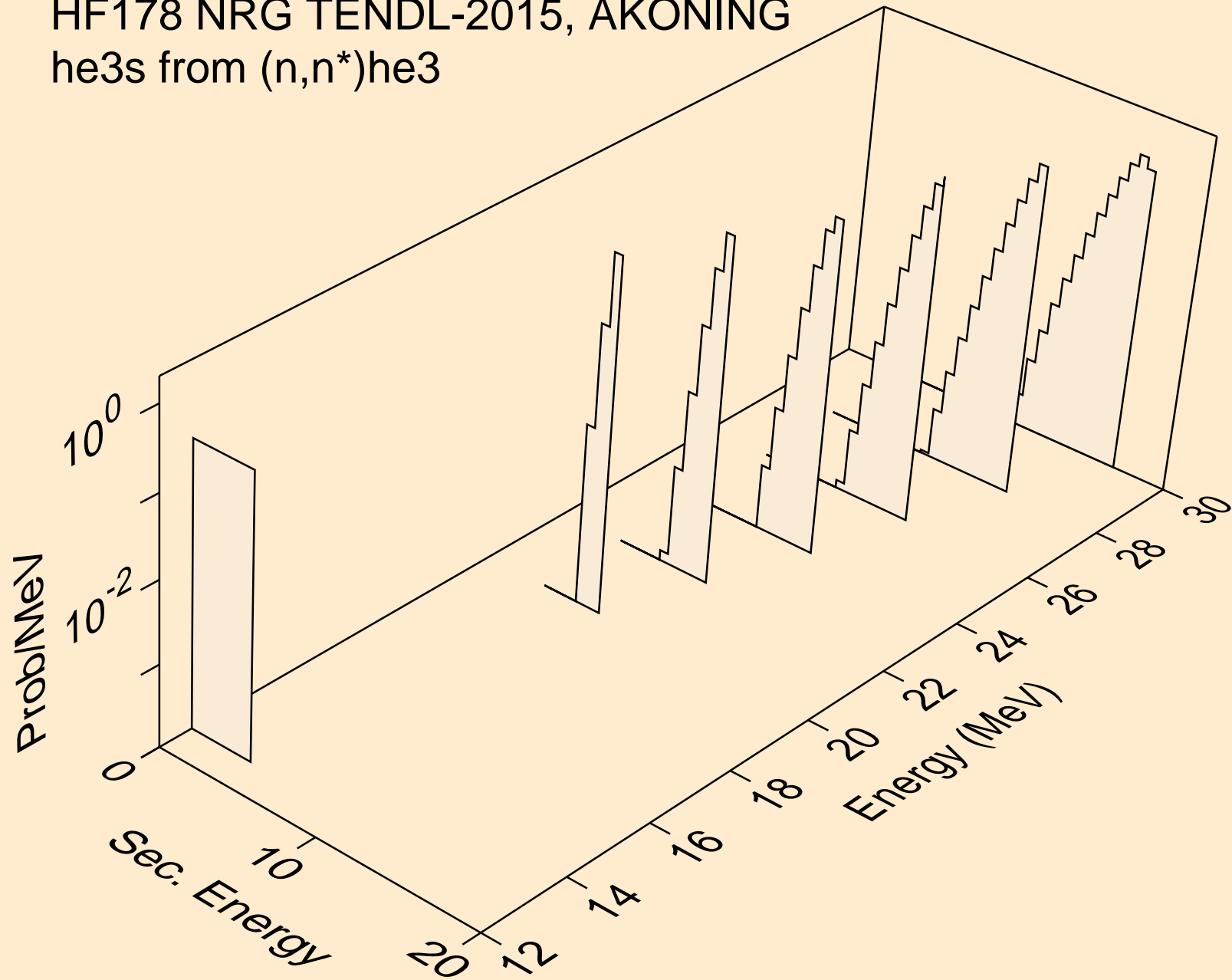
HF178 NRG TENDL-2015, AKONING  
tritons from (n,pt)



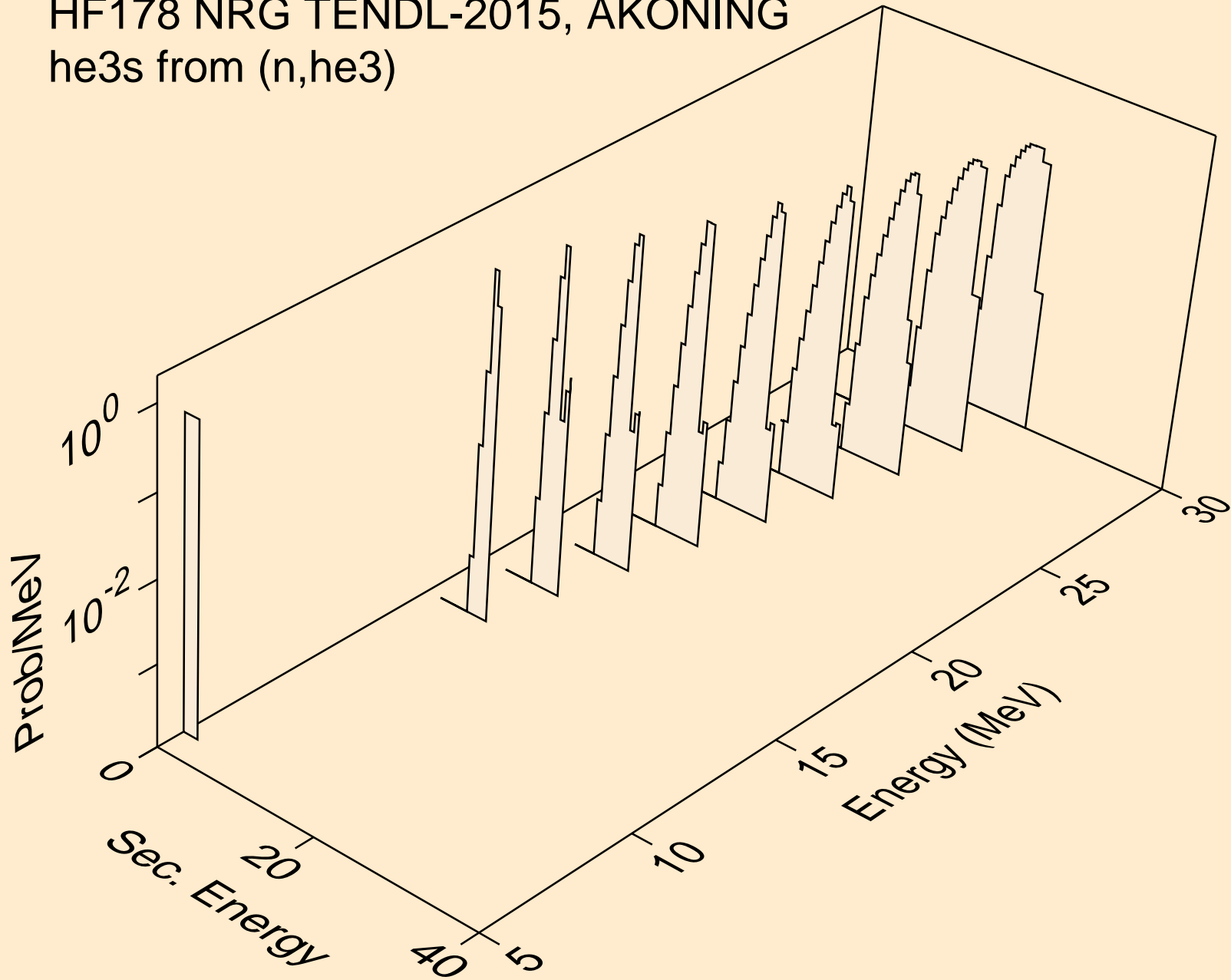
HF178 NRG TENDL-2015, AKONING  
he3s from (n,x)



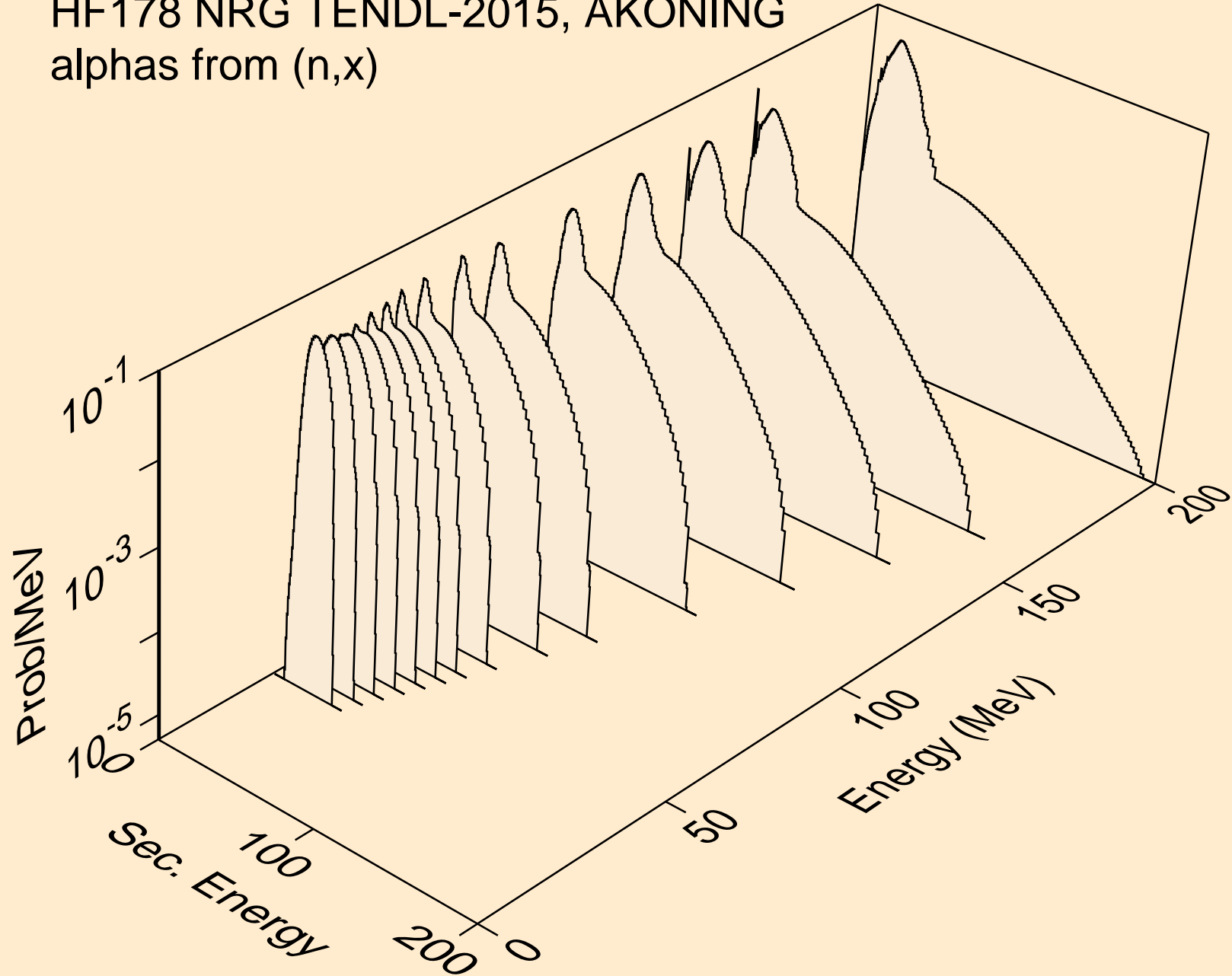
HF178 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



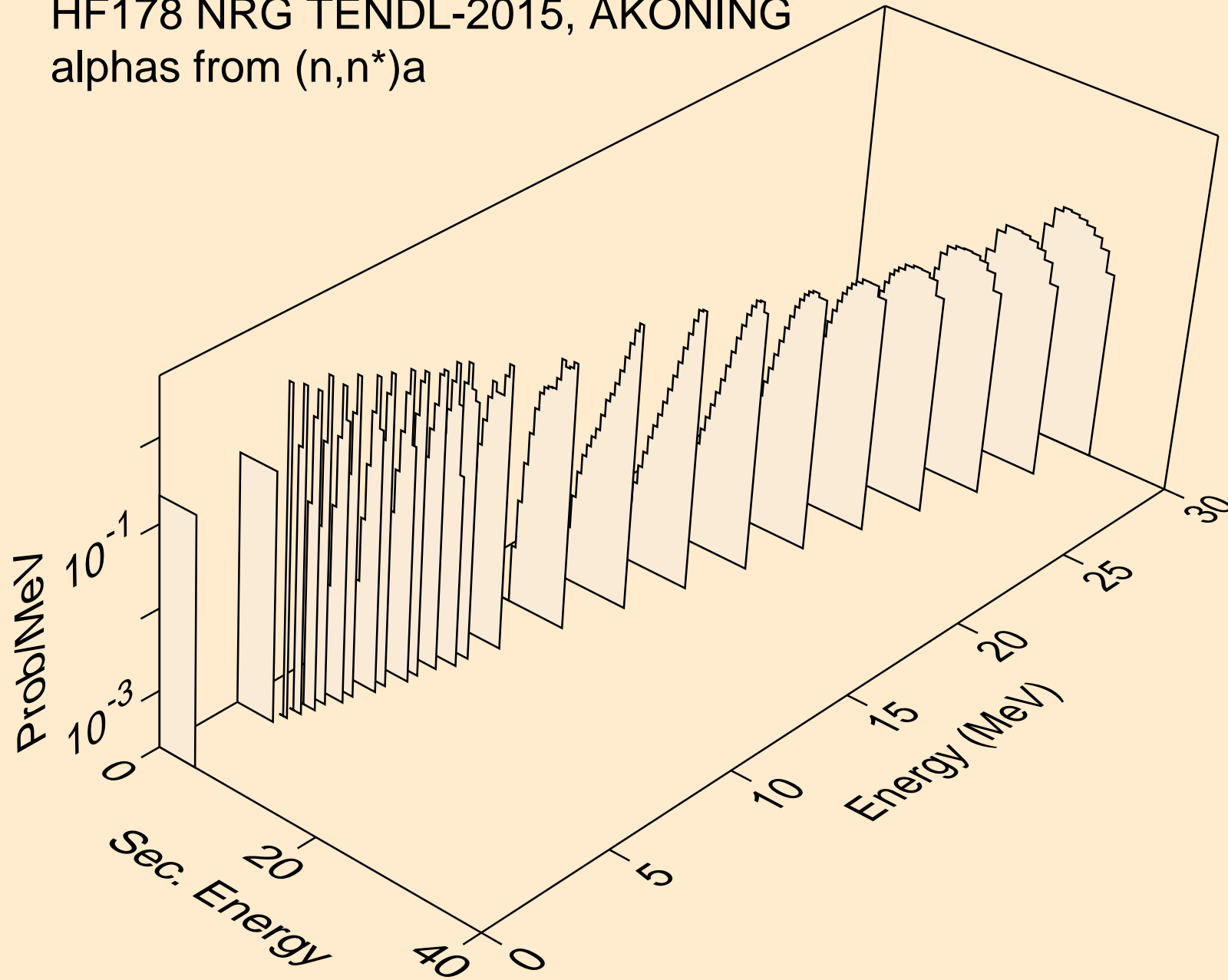
HF178 NRG TENDL-2015, AKONING  
he3s from (n,he3)



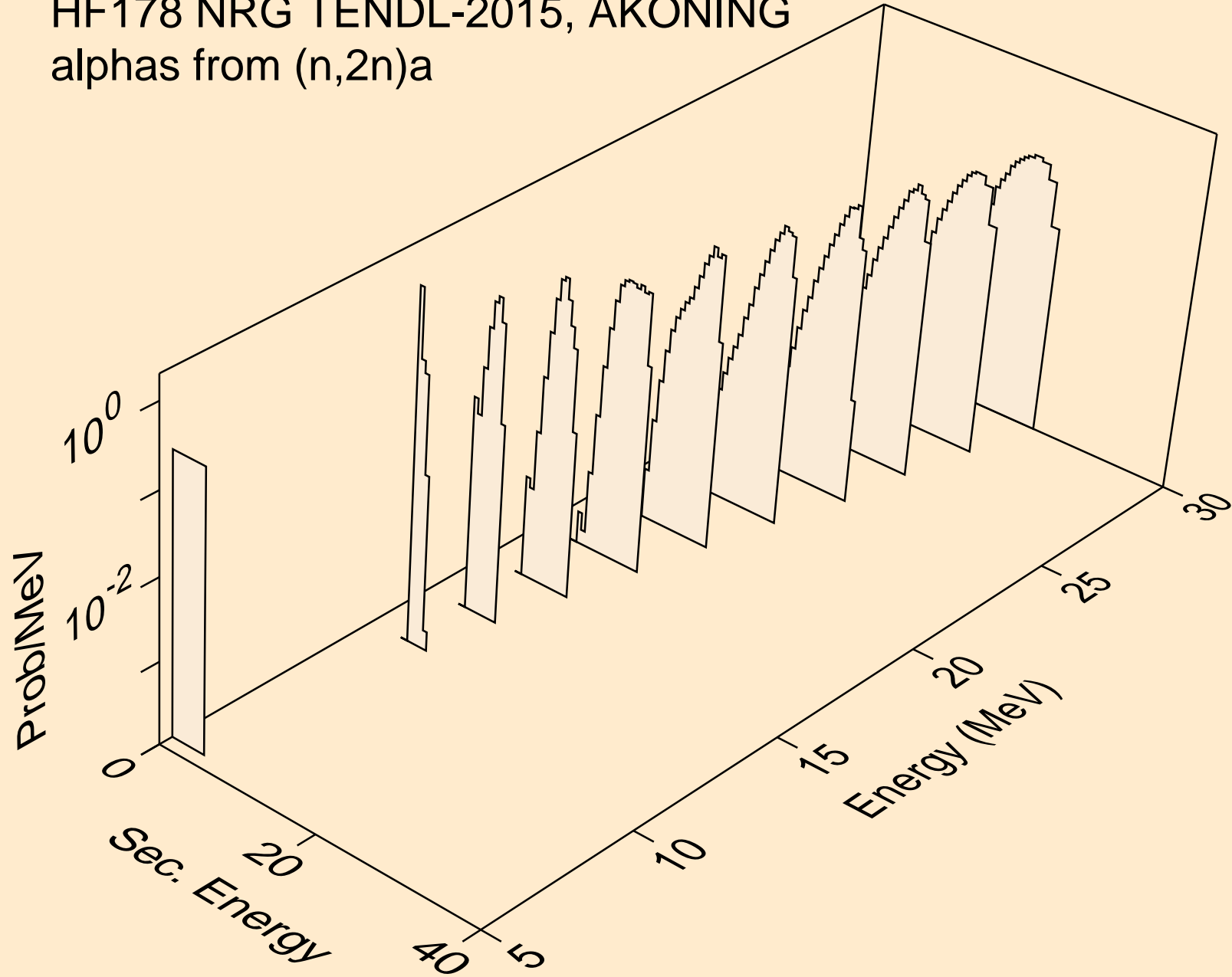
HF178 NRG TENDL-2015, AKONING  
alphas from (n,x)



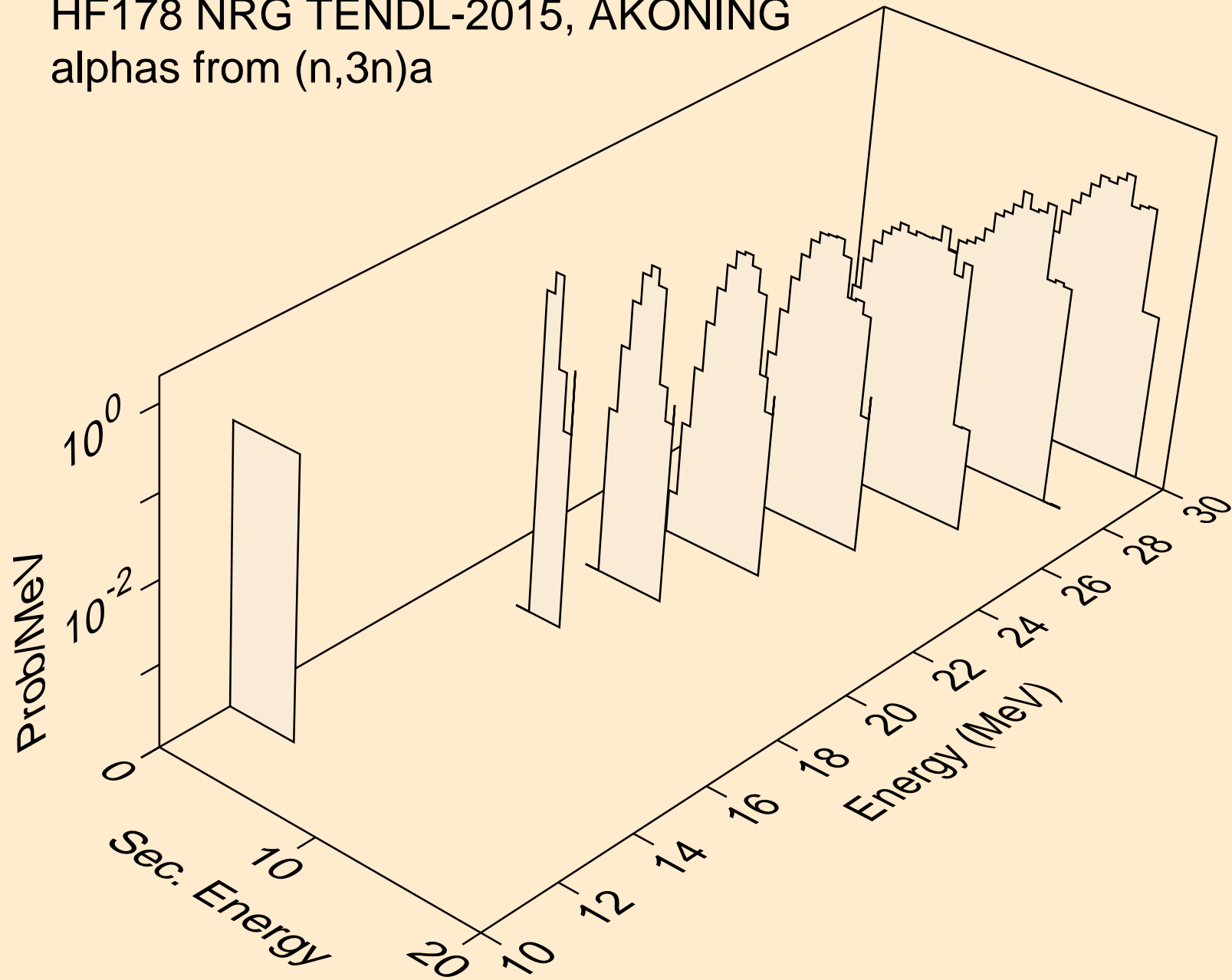
HF178 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



HF178 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

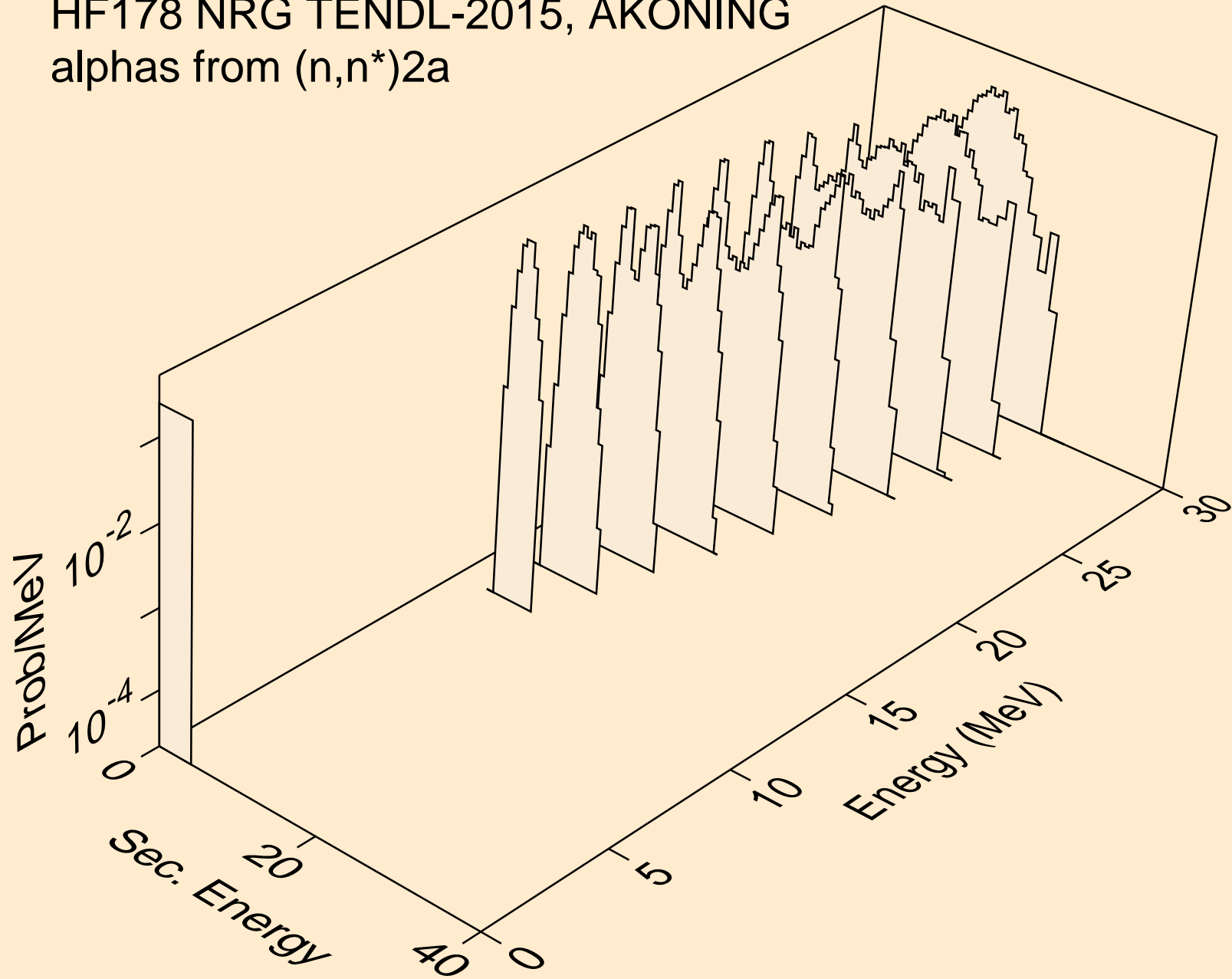


HF178 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

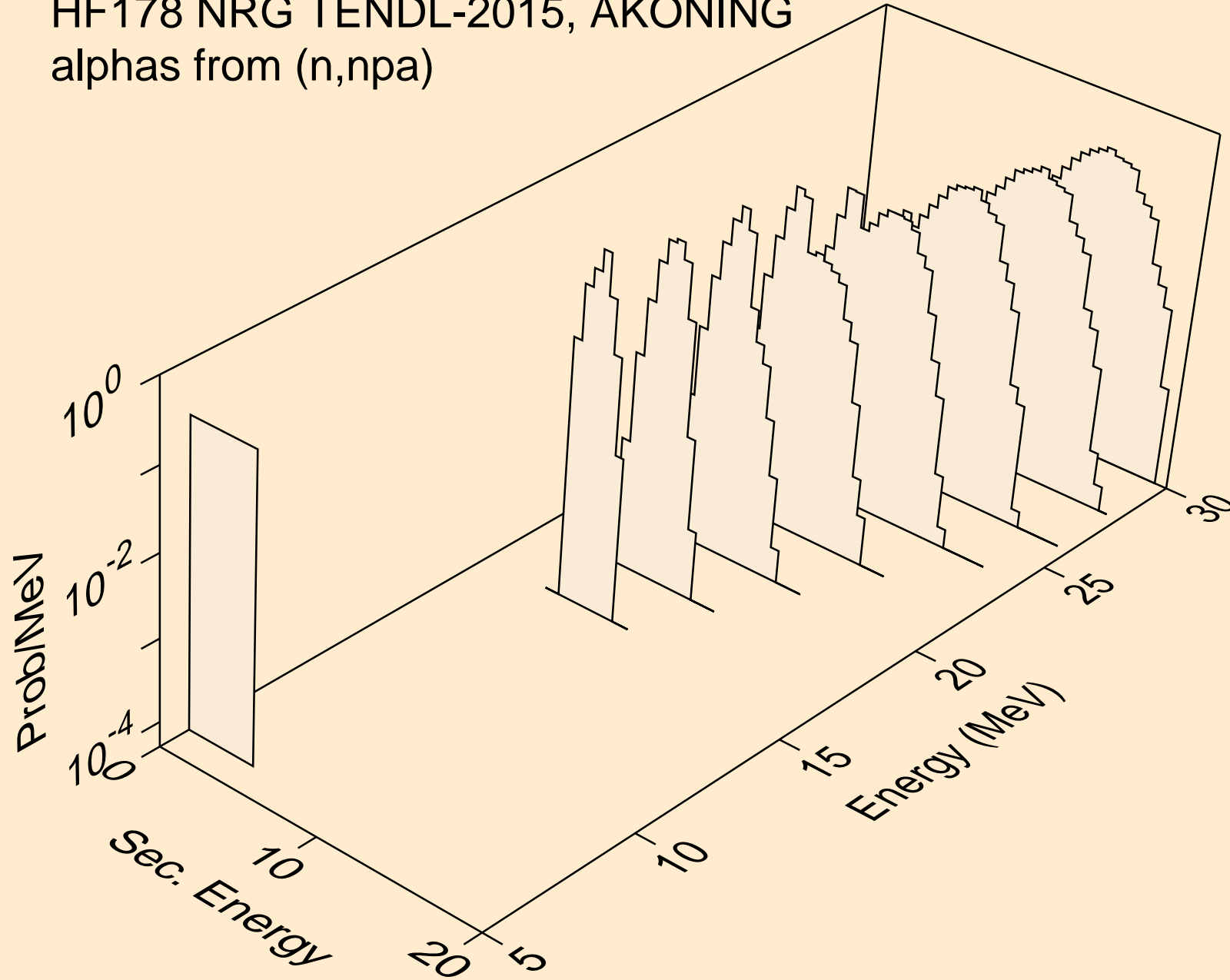




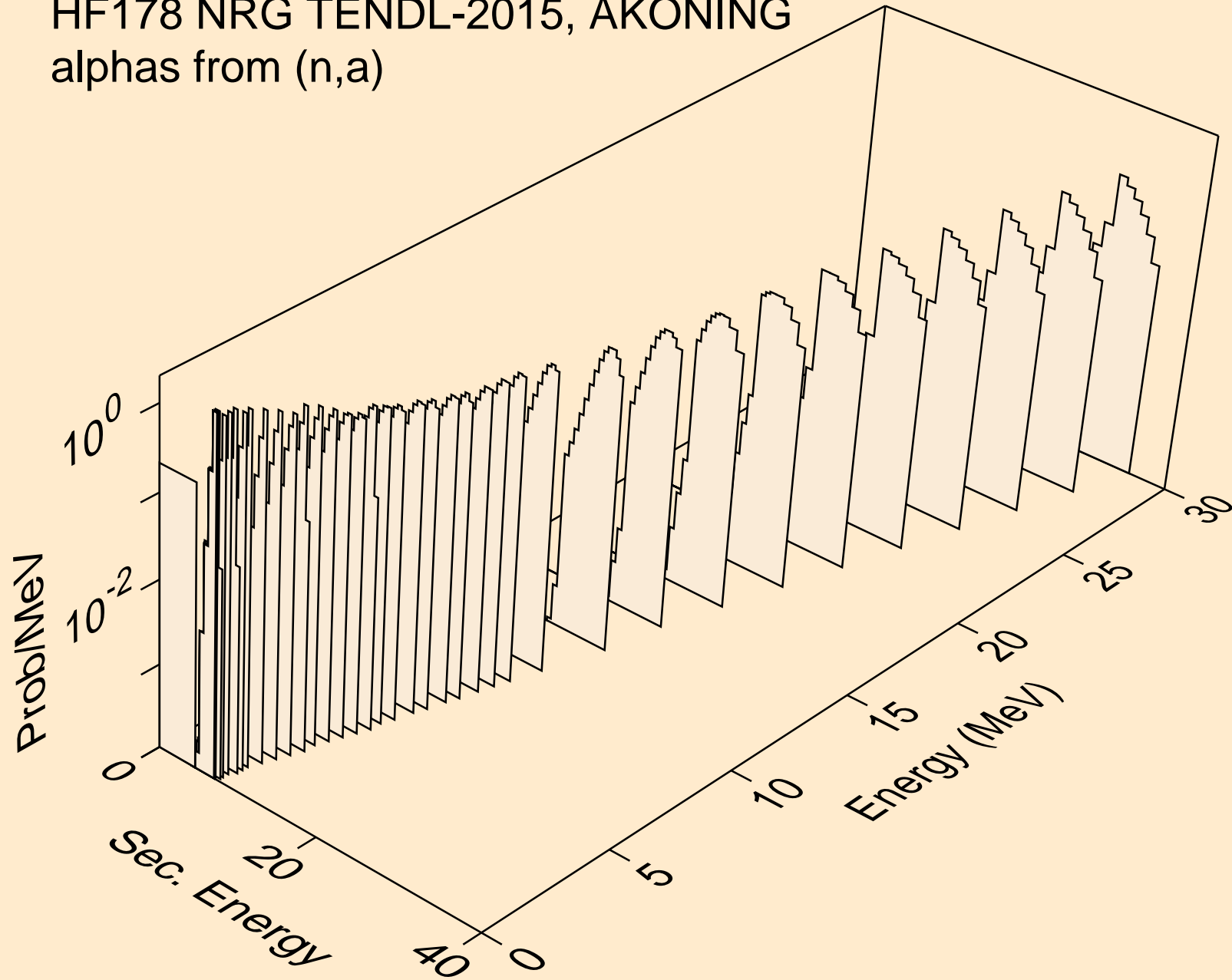
HF178 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



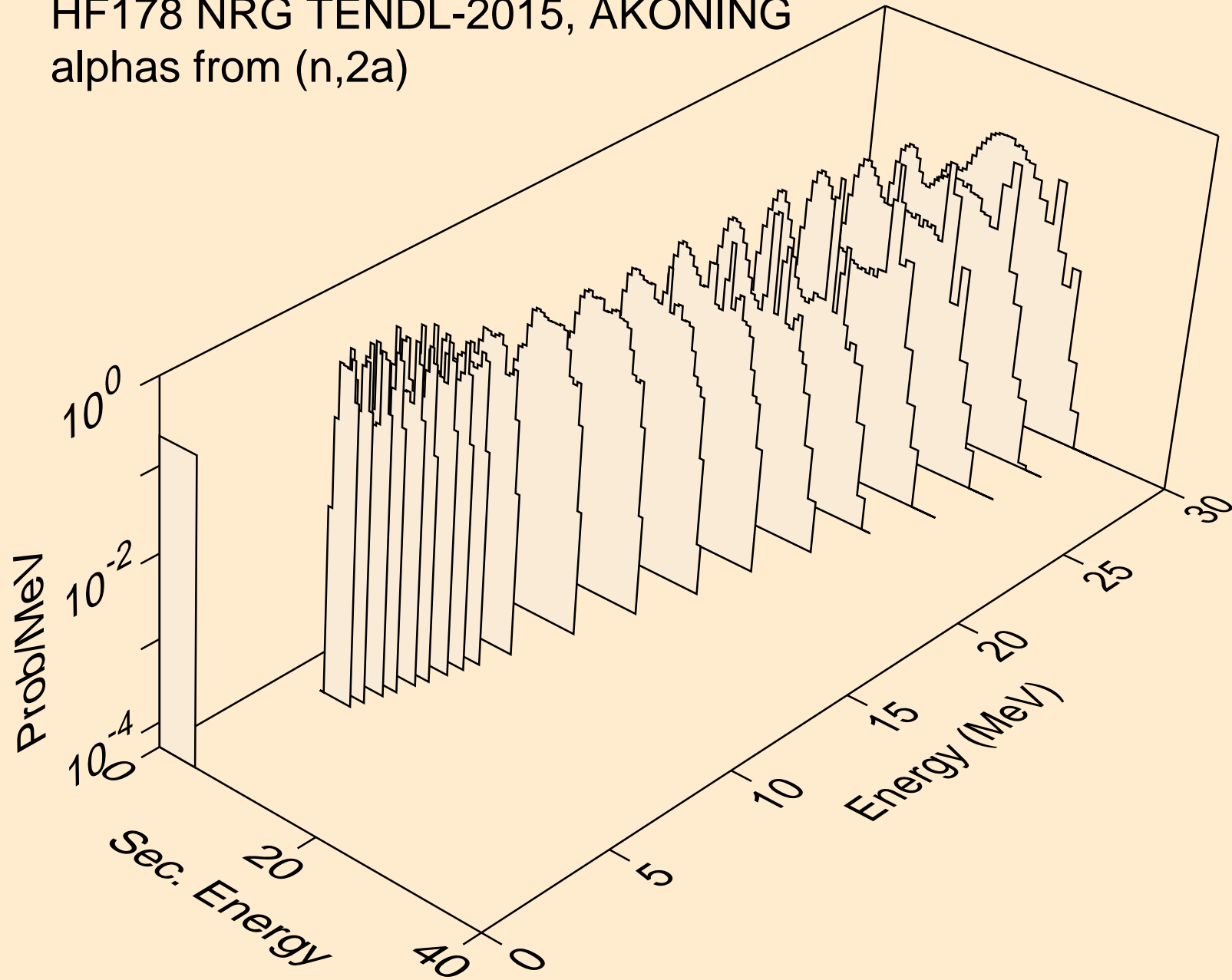
HF178 NRG TENDL-2015, AKONING  
alphas from (n,npa)



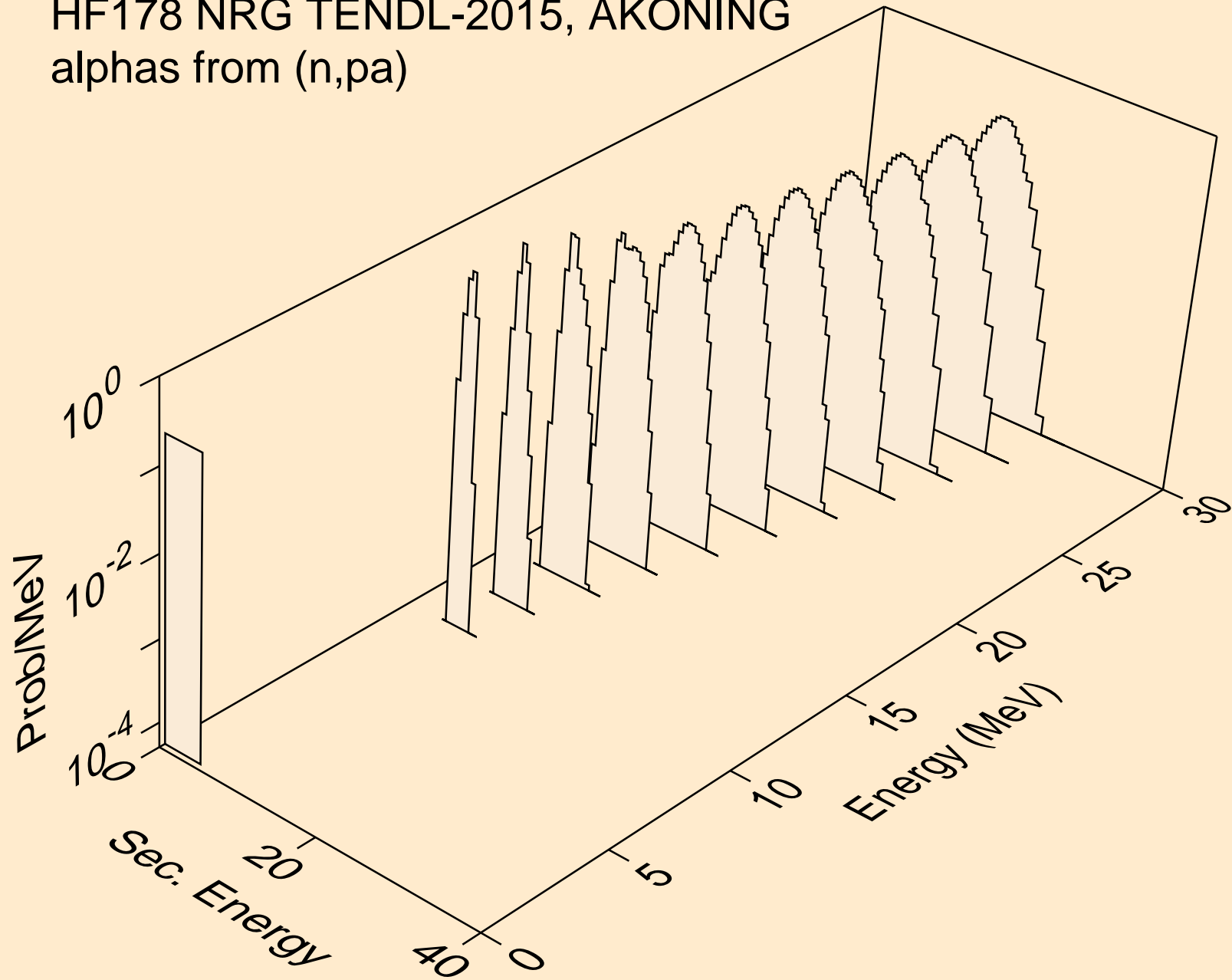
HF178 NRG TENDL-2015, AKONING  
alphas from (n,a)



HF178 NRG TENDL-2015, AKONING  
alphas from (n,2a)



HF178 NRG TENDL-2015, AKONING  
alphas from (n,pa)



HF178 NRG TENDL-2015, AKONING  
alphas from (n,da)

