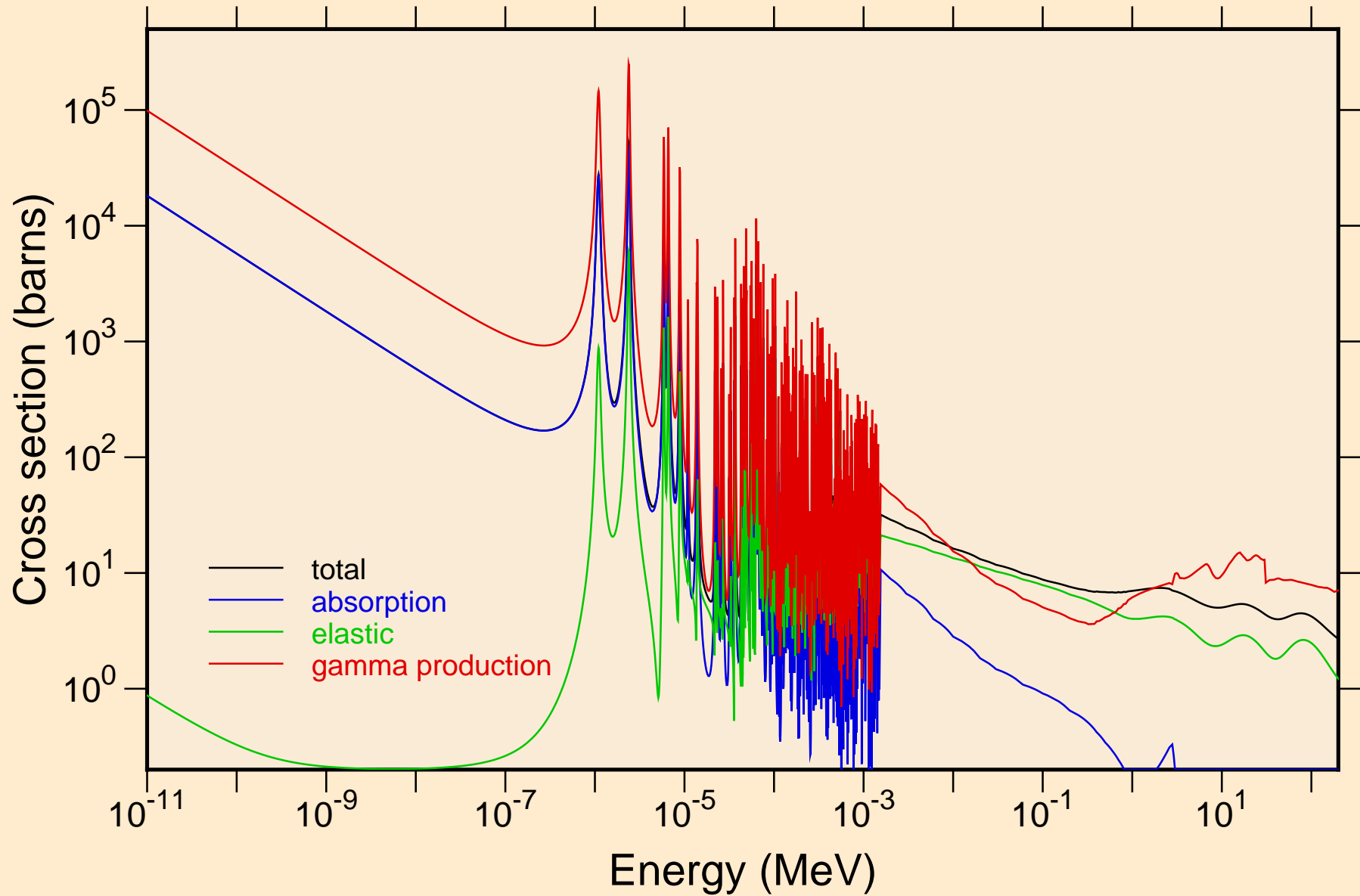


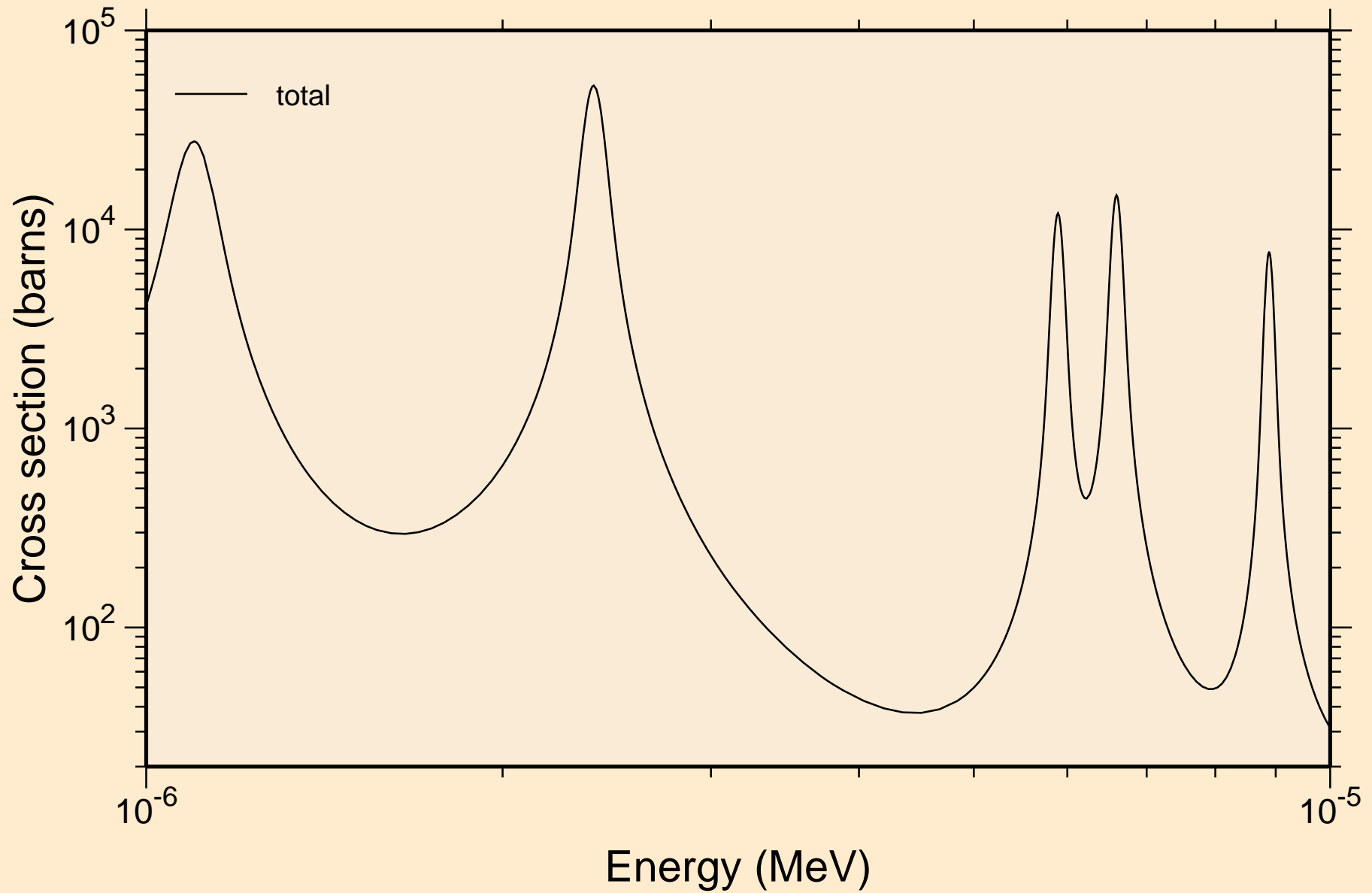
# HF177 NRG TENDL-2015, AKONING

## Principal cross sections

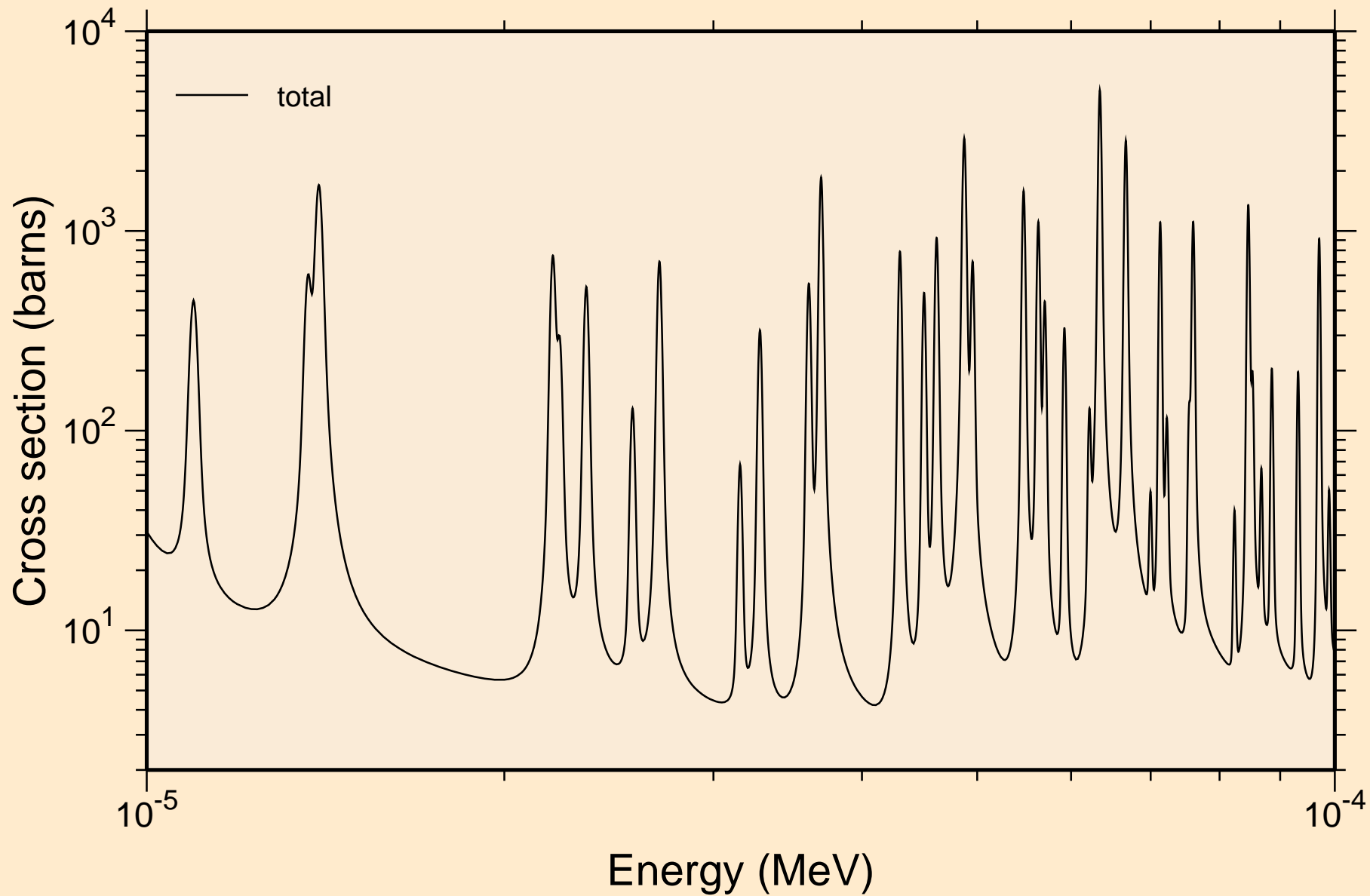


# HF177 NRG TENDL-2015, AKONING

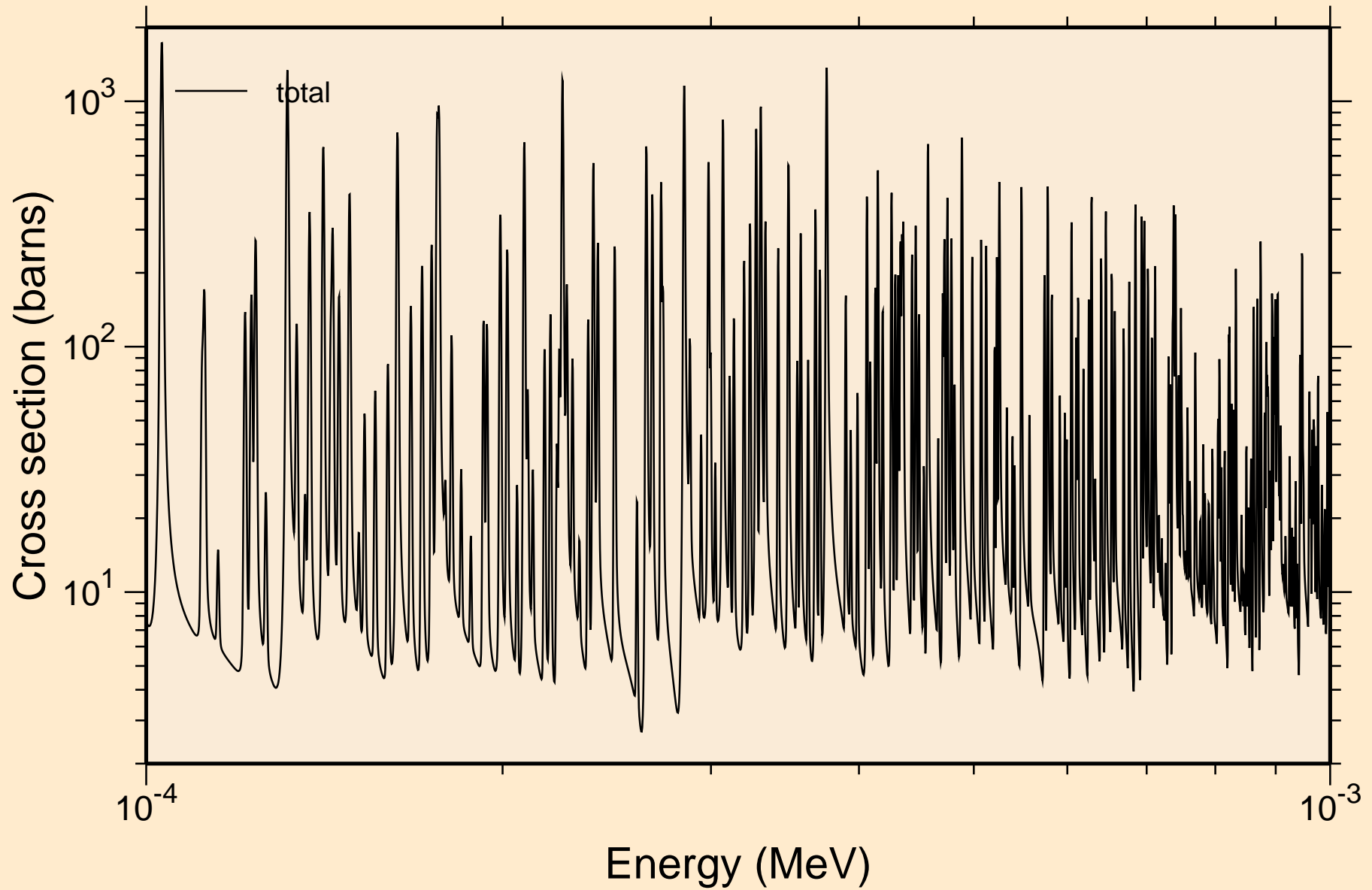
## resonance total cross section



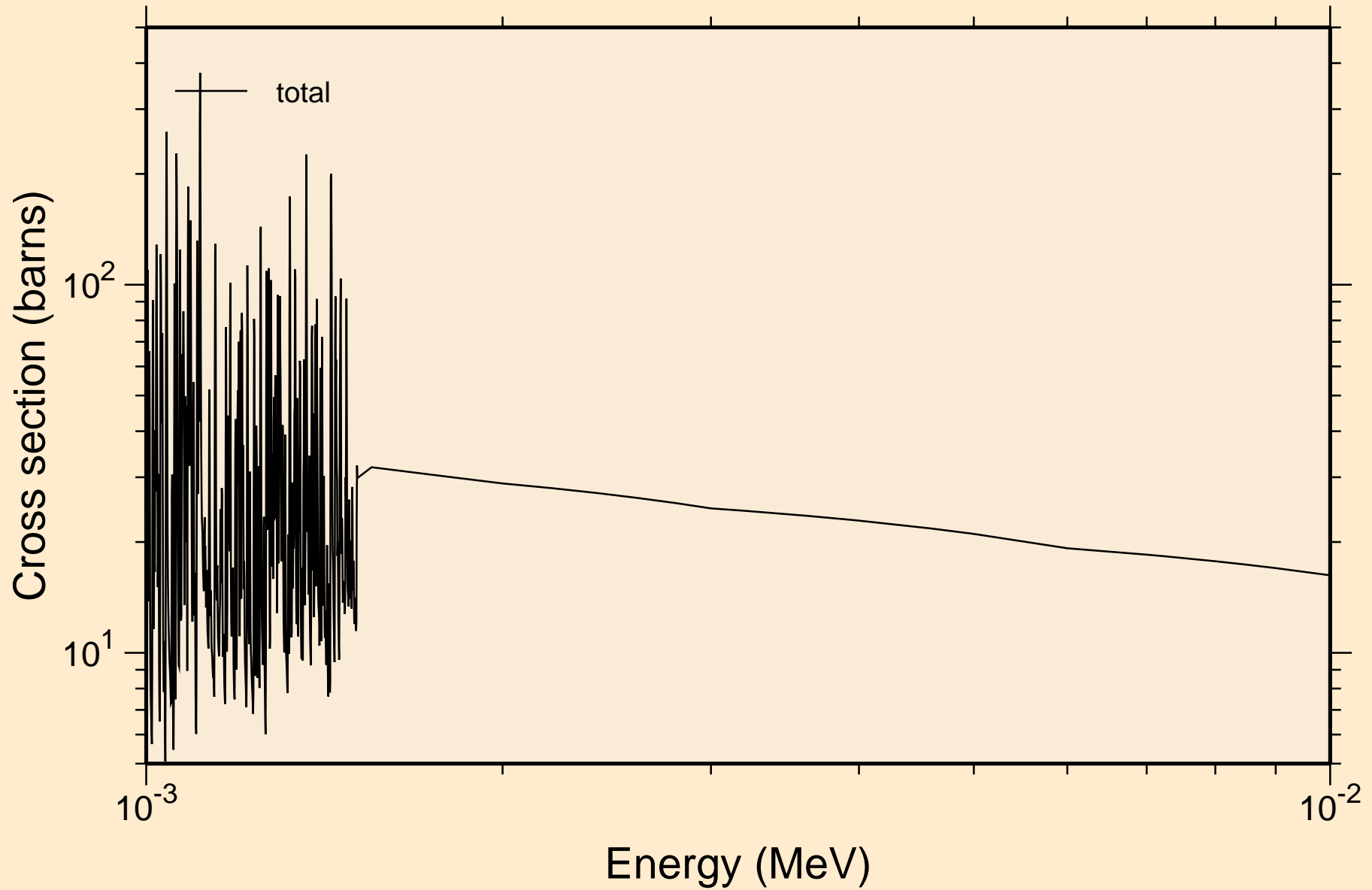
HF177 NRG TENDL-2015, AKONING  
resonance total cross section



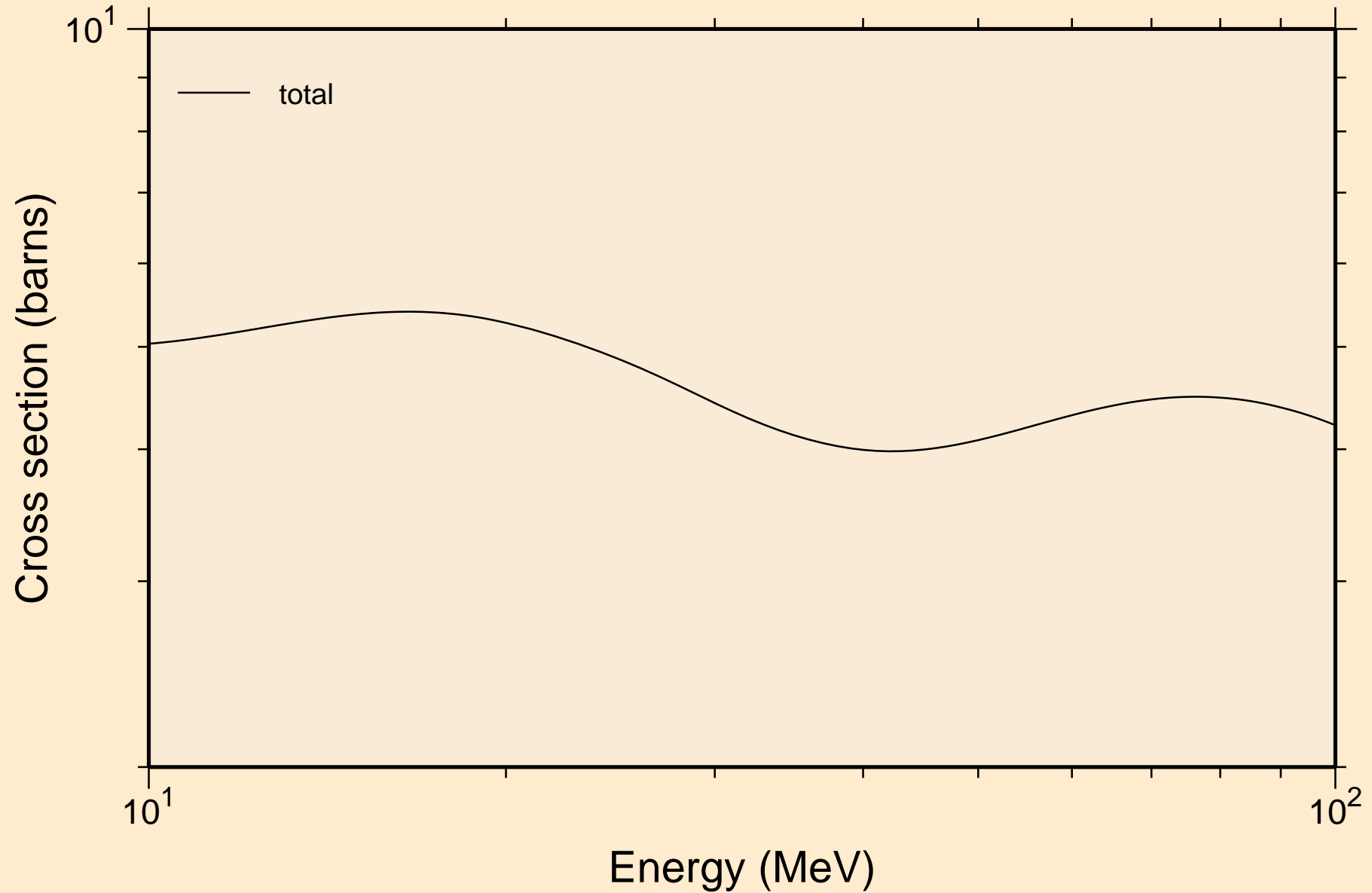
HF177 NRG TENDL-2015, AKONING  
resonance total cross section



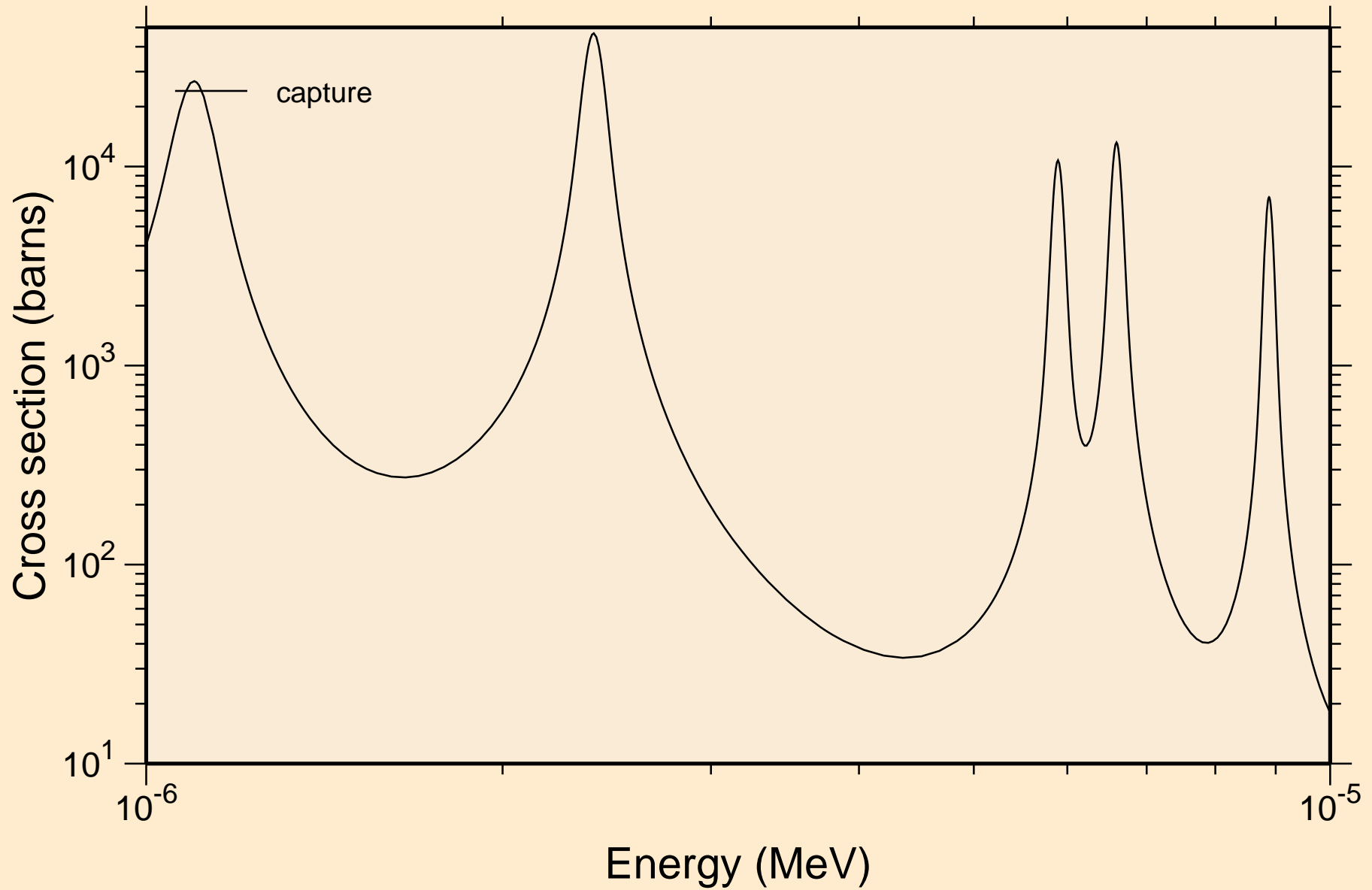
HF177 NRG TENDL-2015, AKONING  
resonance total cross section



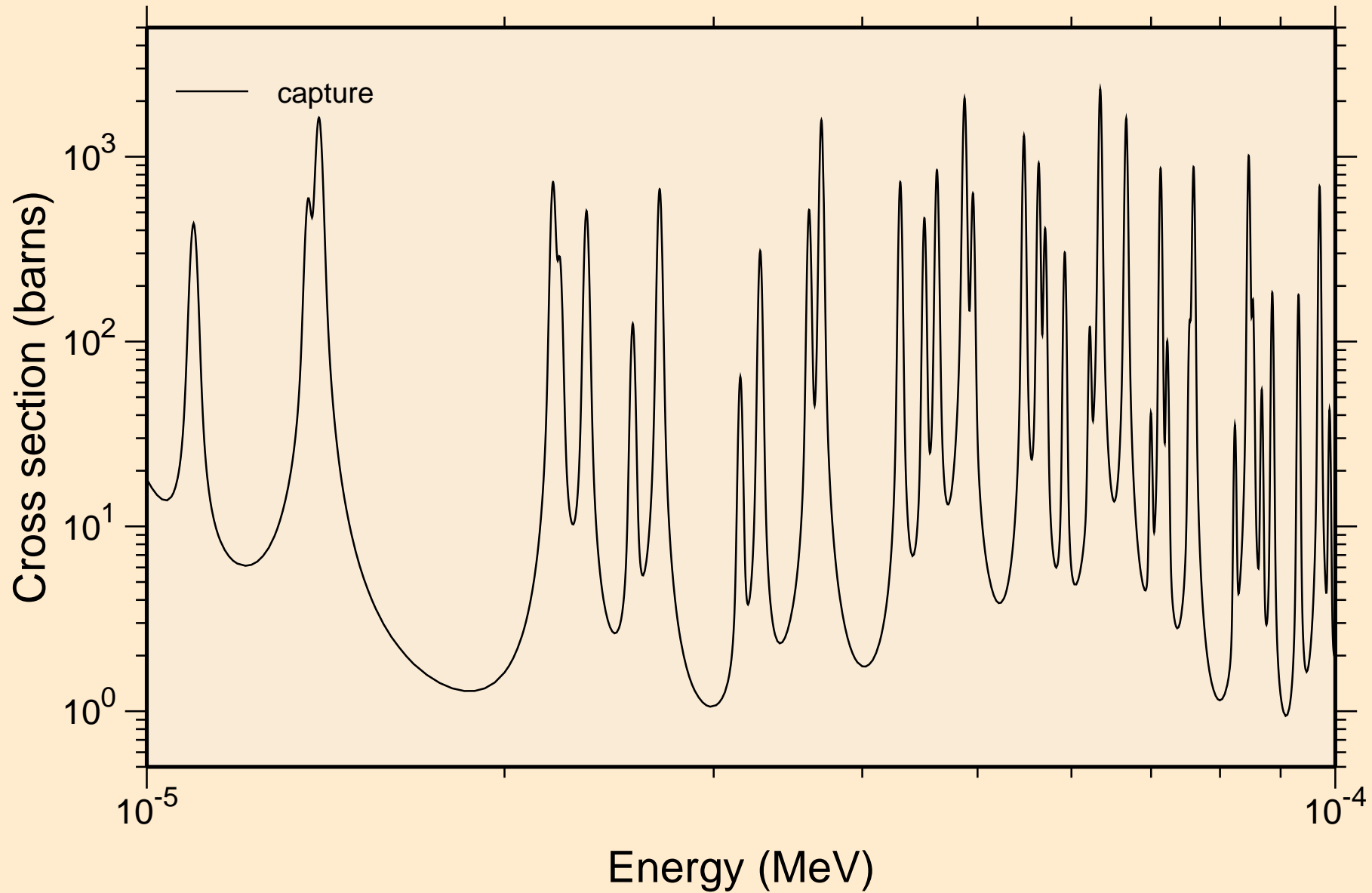
HF177 NRG TENDL-2015, AKONING  
resonance total cross section



HF177 NRG TENDL-2015, AKONING  
resonance absorption cross sections

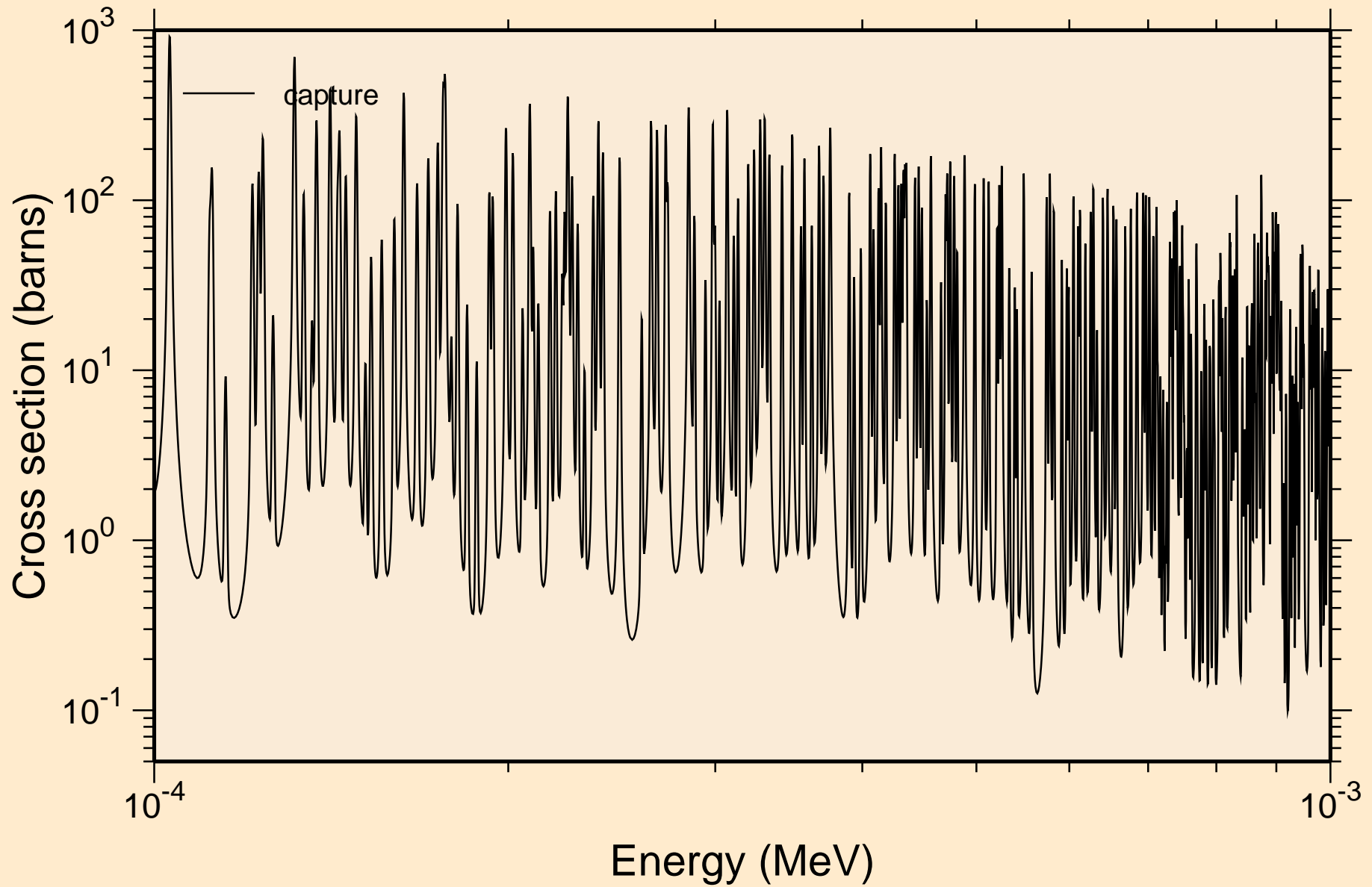


HF177 NRG TENDL-2015, AKONING  
resonance absorption cross sections

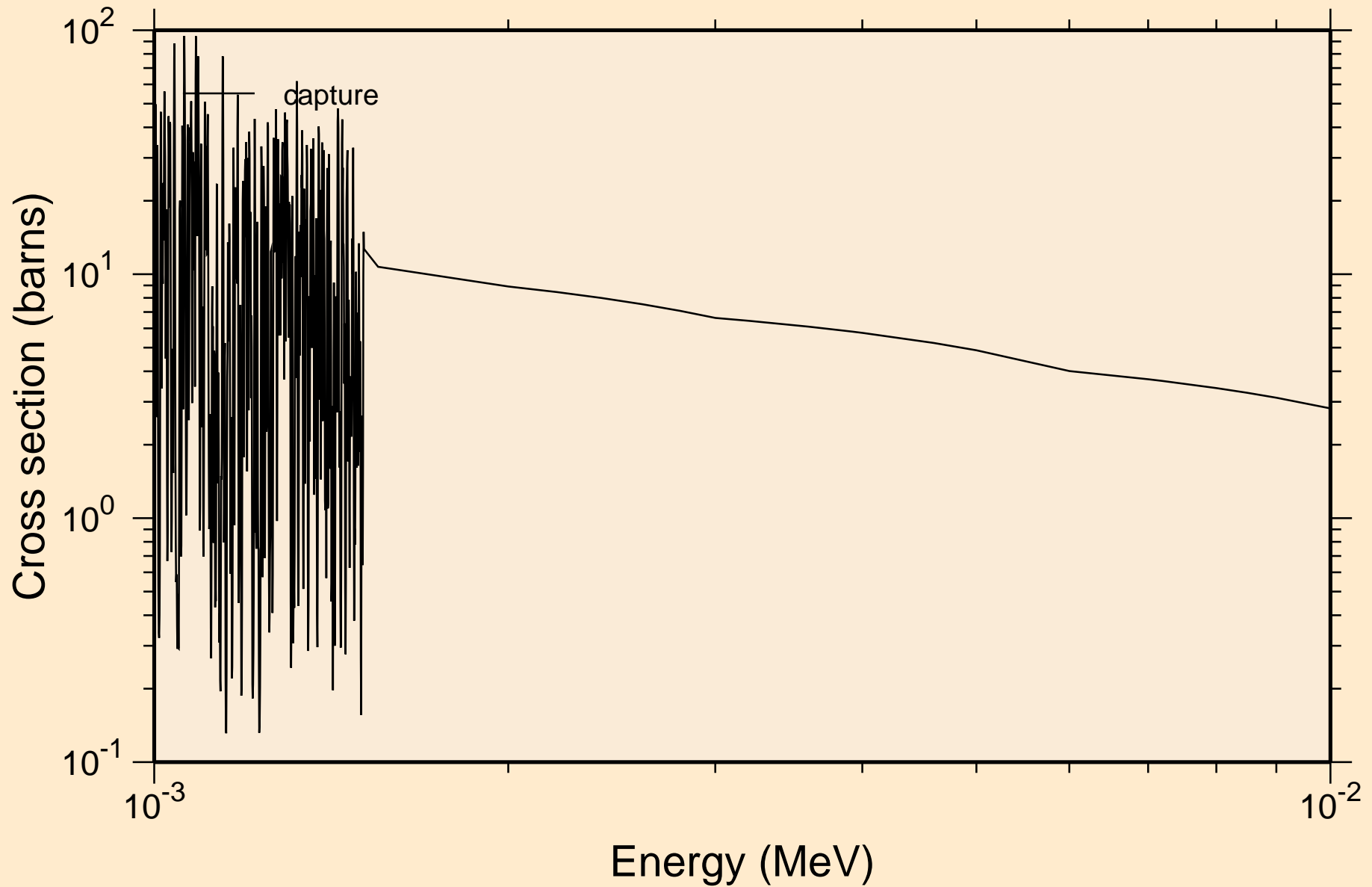




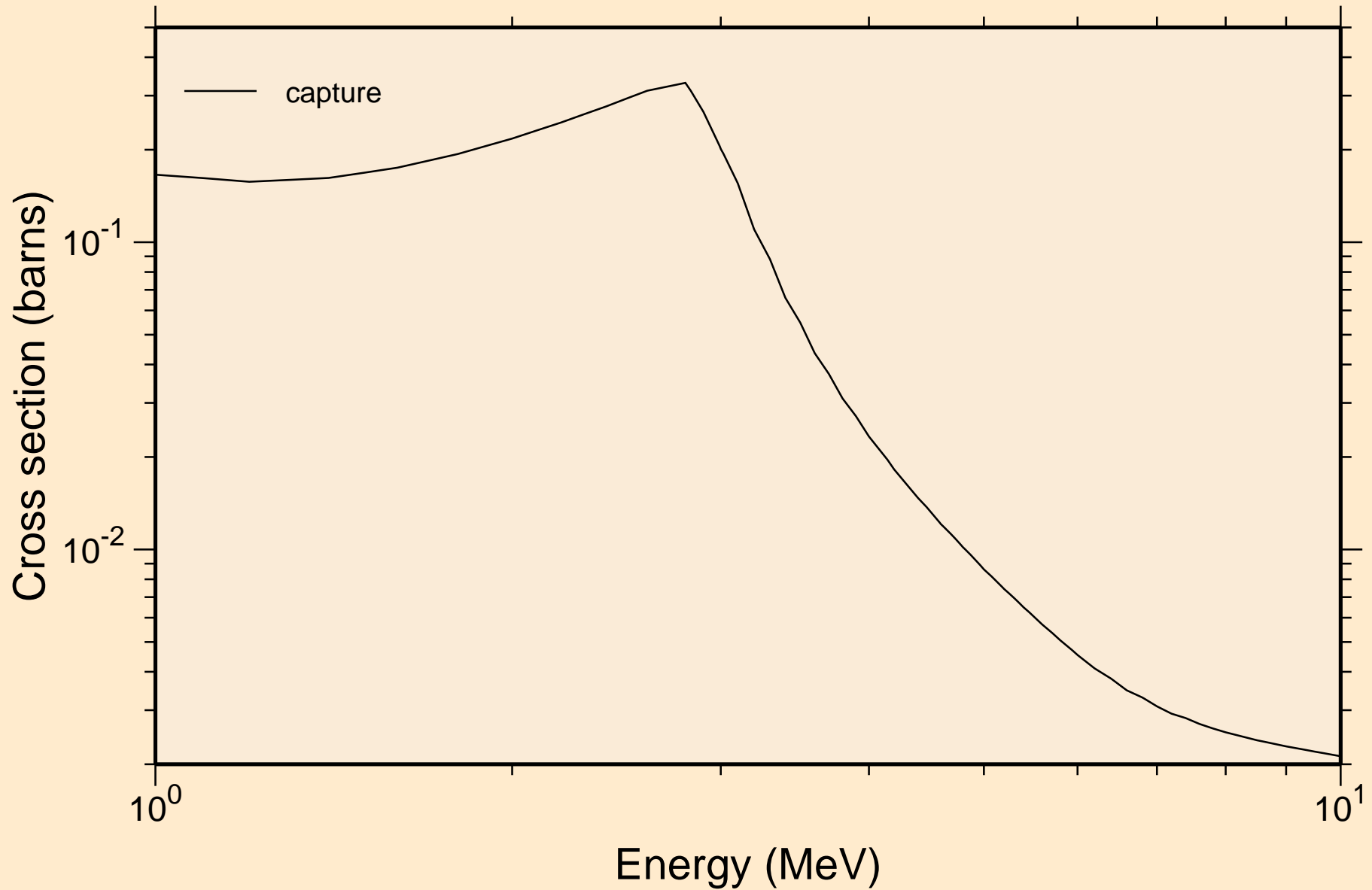
HF177 NRG TENDL-2015, AKONING  
resonance absorption cross sections



HF177 NRG TENDL-2015, AKONING  
resonance absorption cross sections

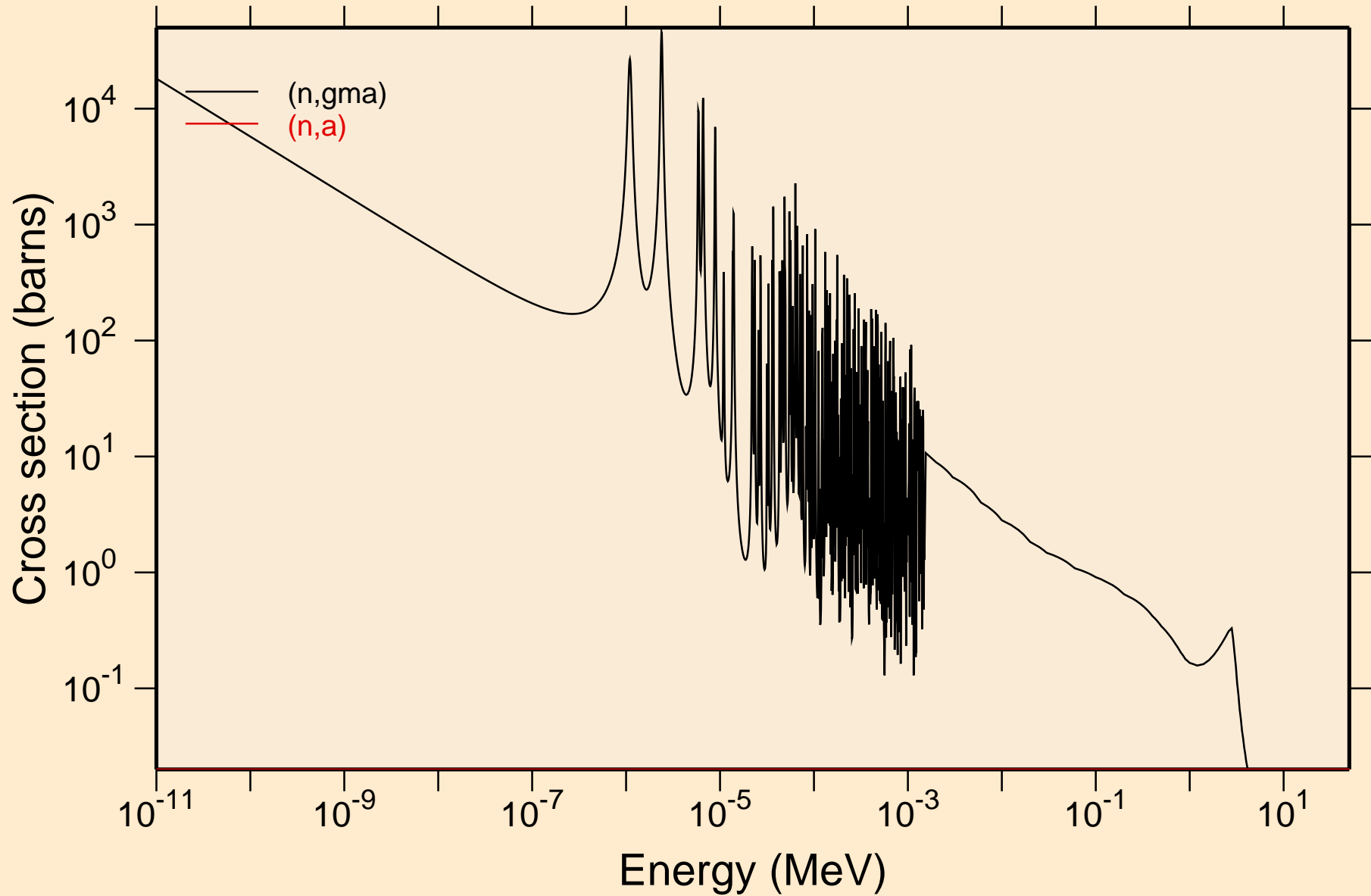


HF177 NRG TENDL-2015, AKONING  
resonance absorption cross sections



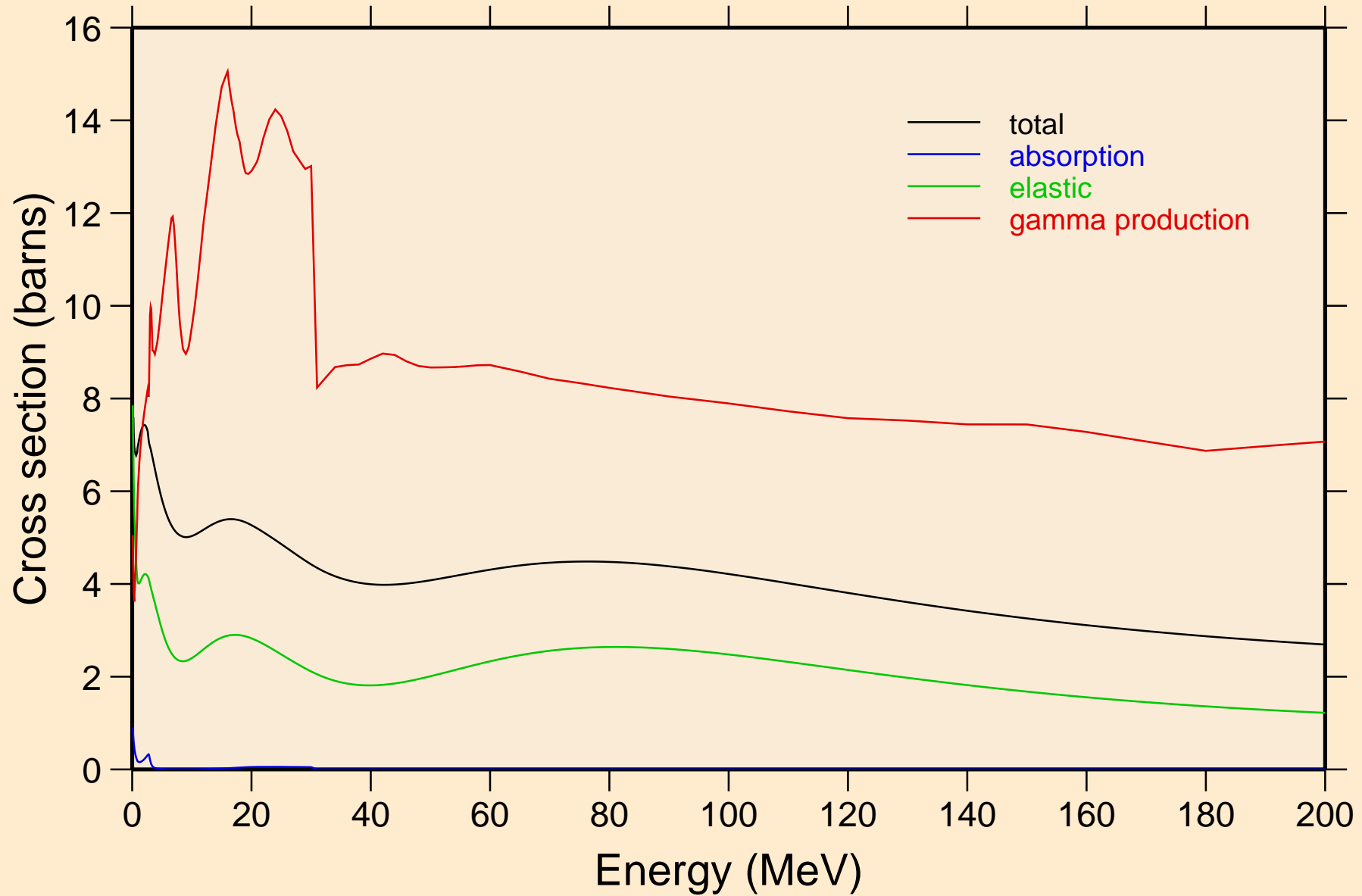
# HF177 NRG TENDL-2015, AKONING

## Non-threshold reactions



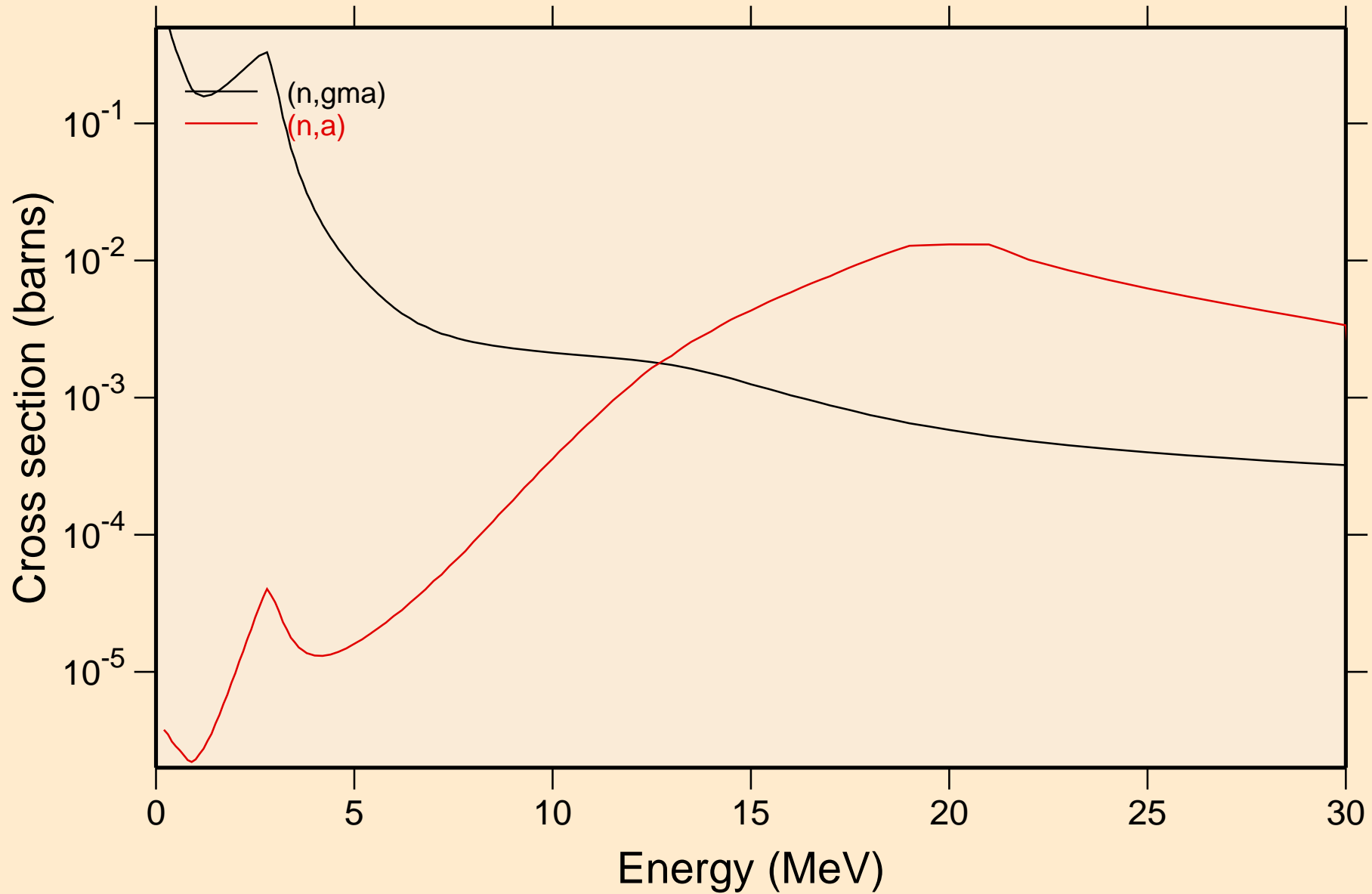
# HF177 NRG TENDL-2015, AKONING

## Principal cross sections



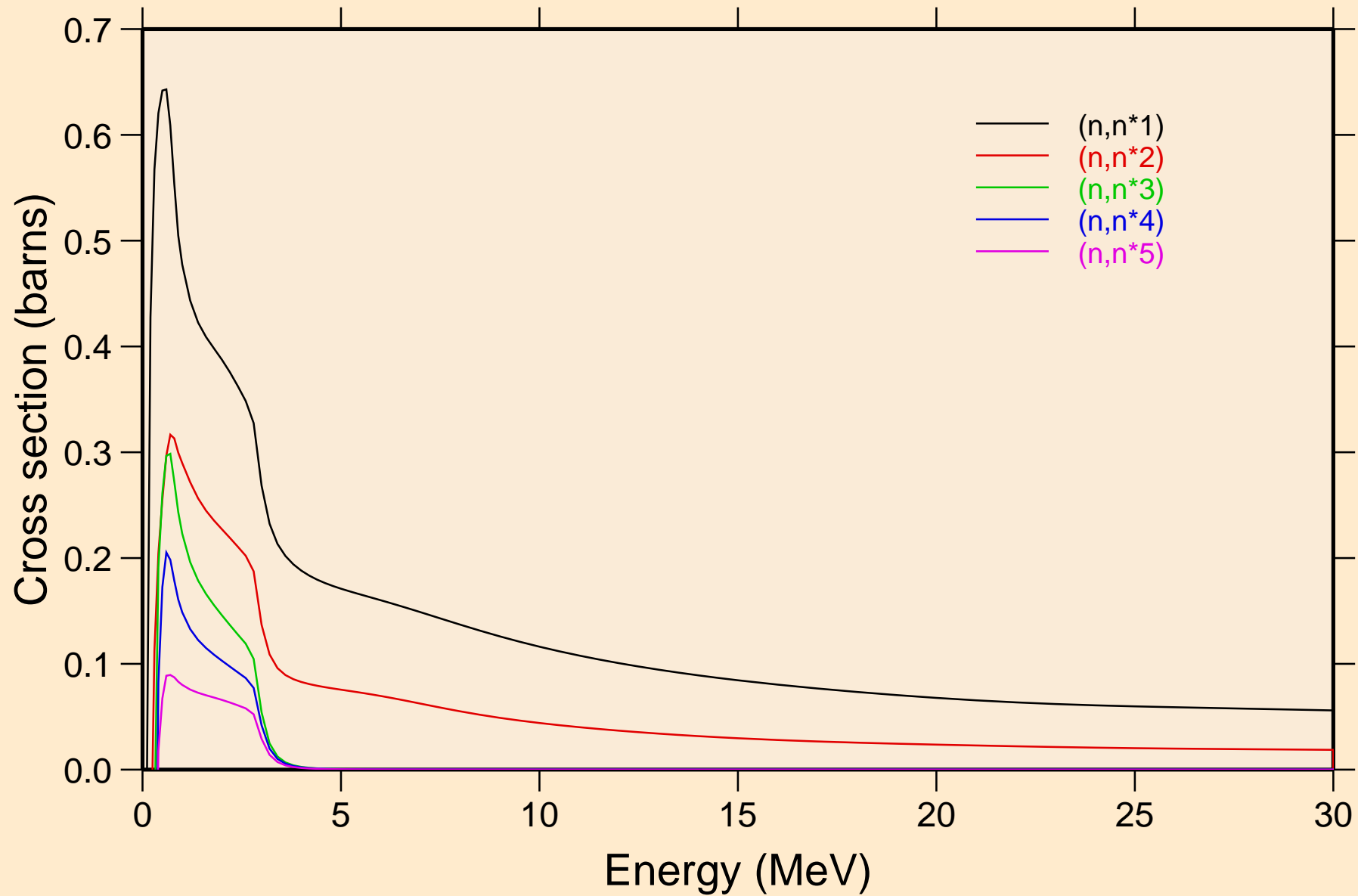
# HF177 NRG TENDL-2015, AKONING

## Non-threshold reactions



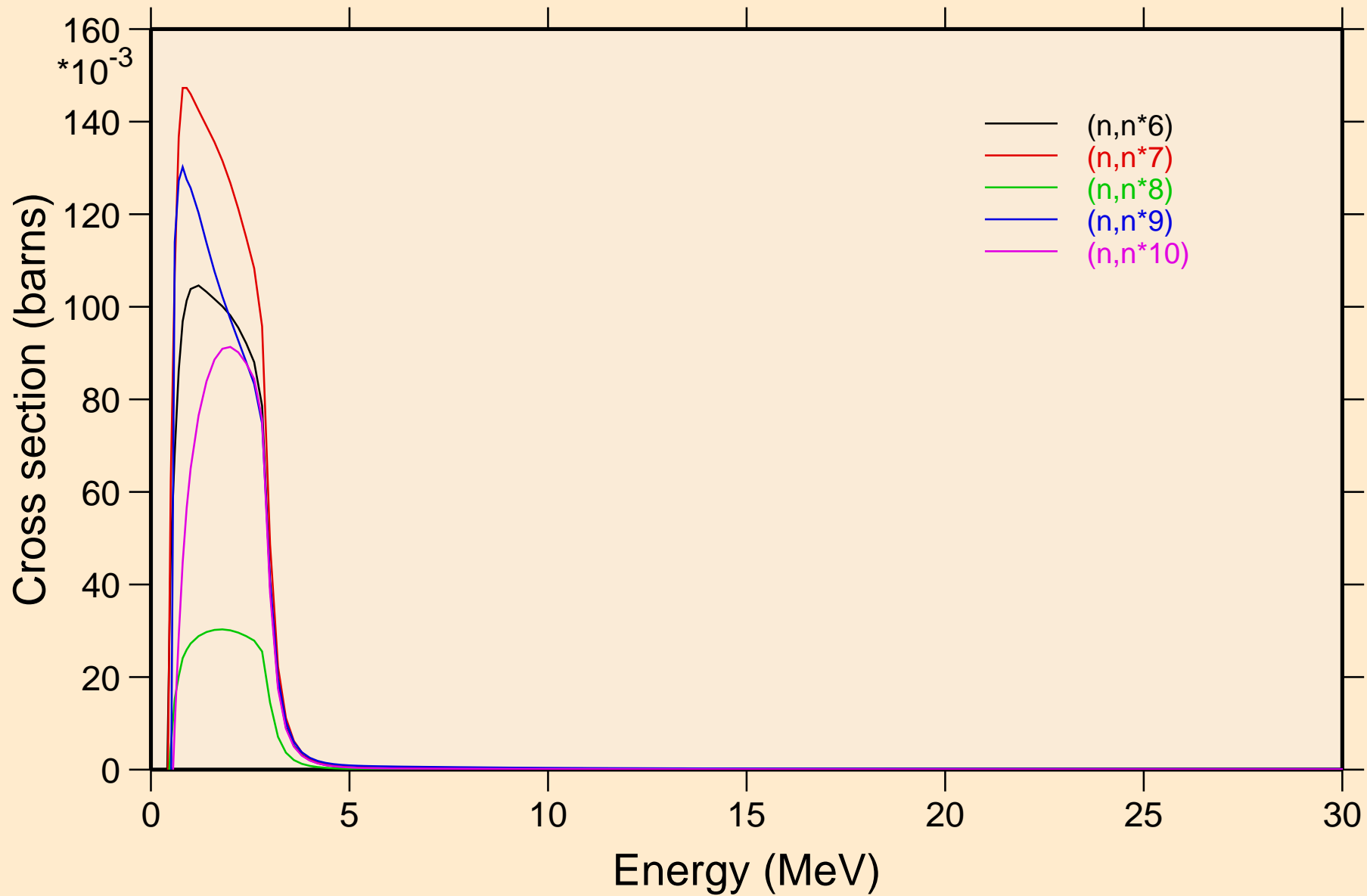
# HF177 NRG TENDL-2015, AKONING

## Inelastic levels



# HF177 NRG TENDL-2015, AKONING

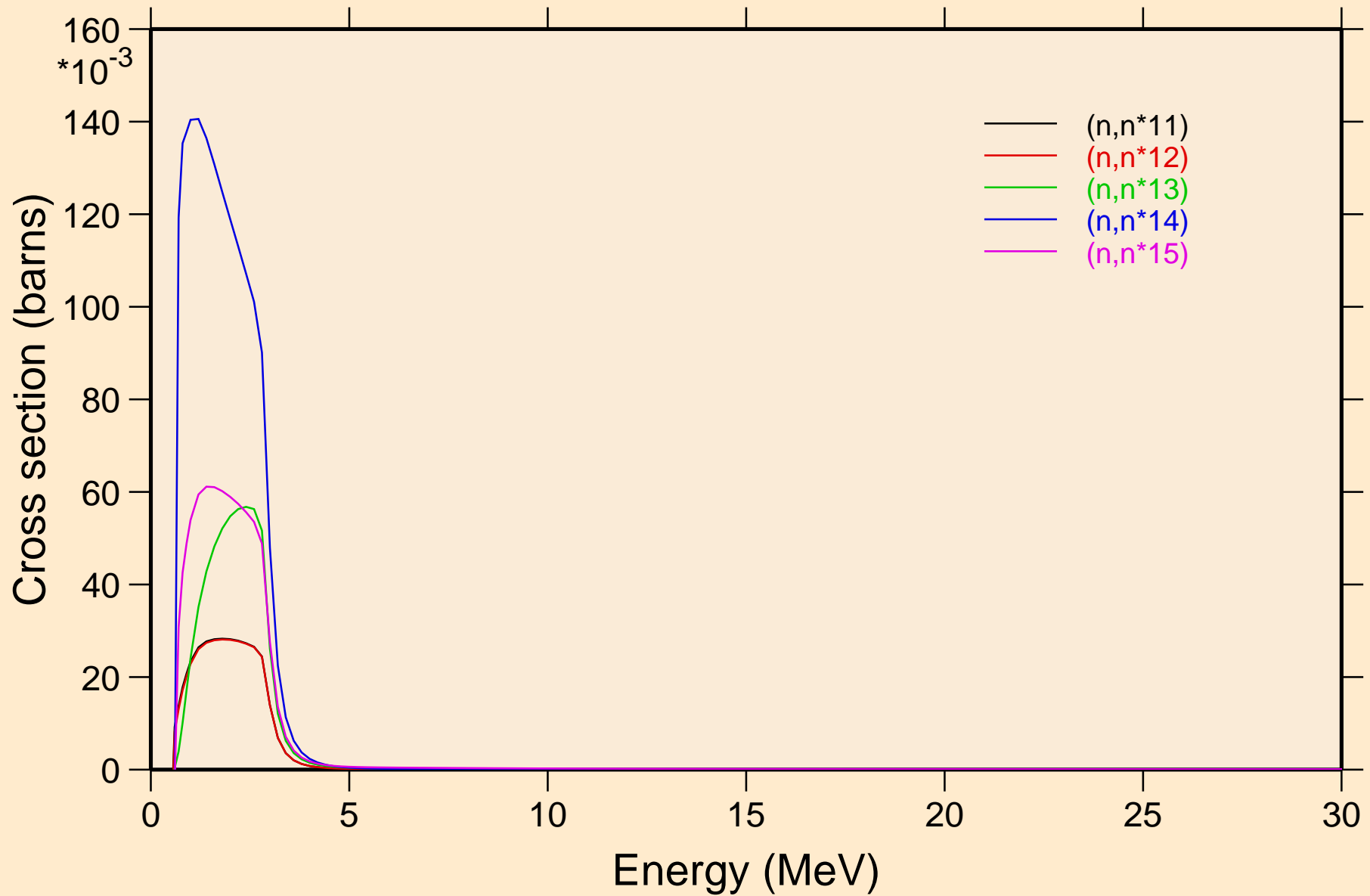
## Inelastic levels





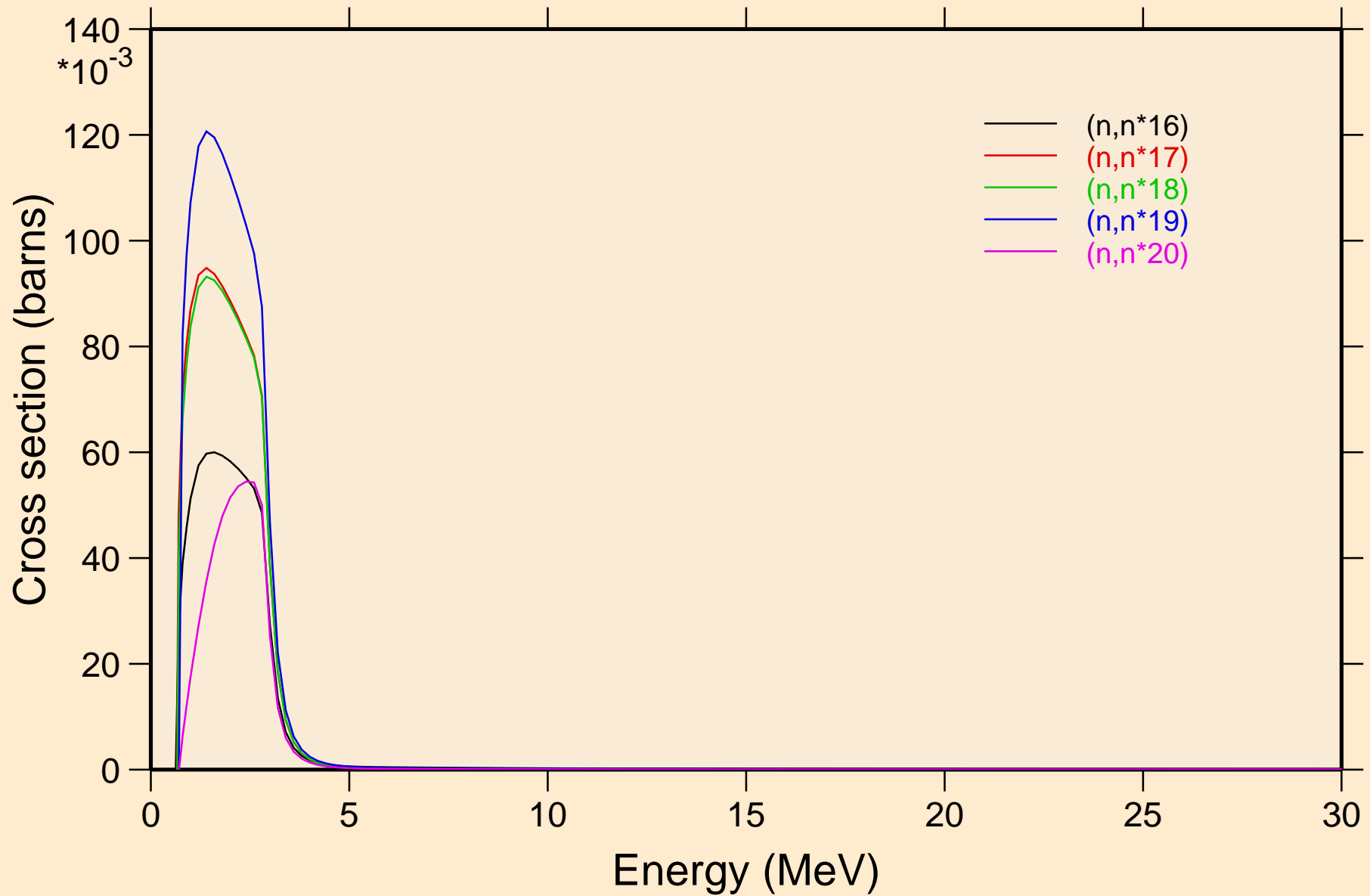
# HF177 NRG TENDL-2015, AKONING

## Inelastic levels



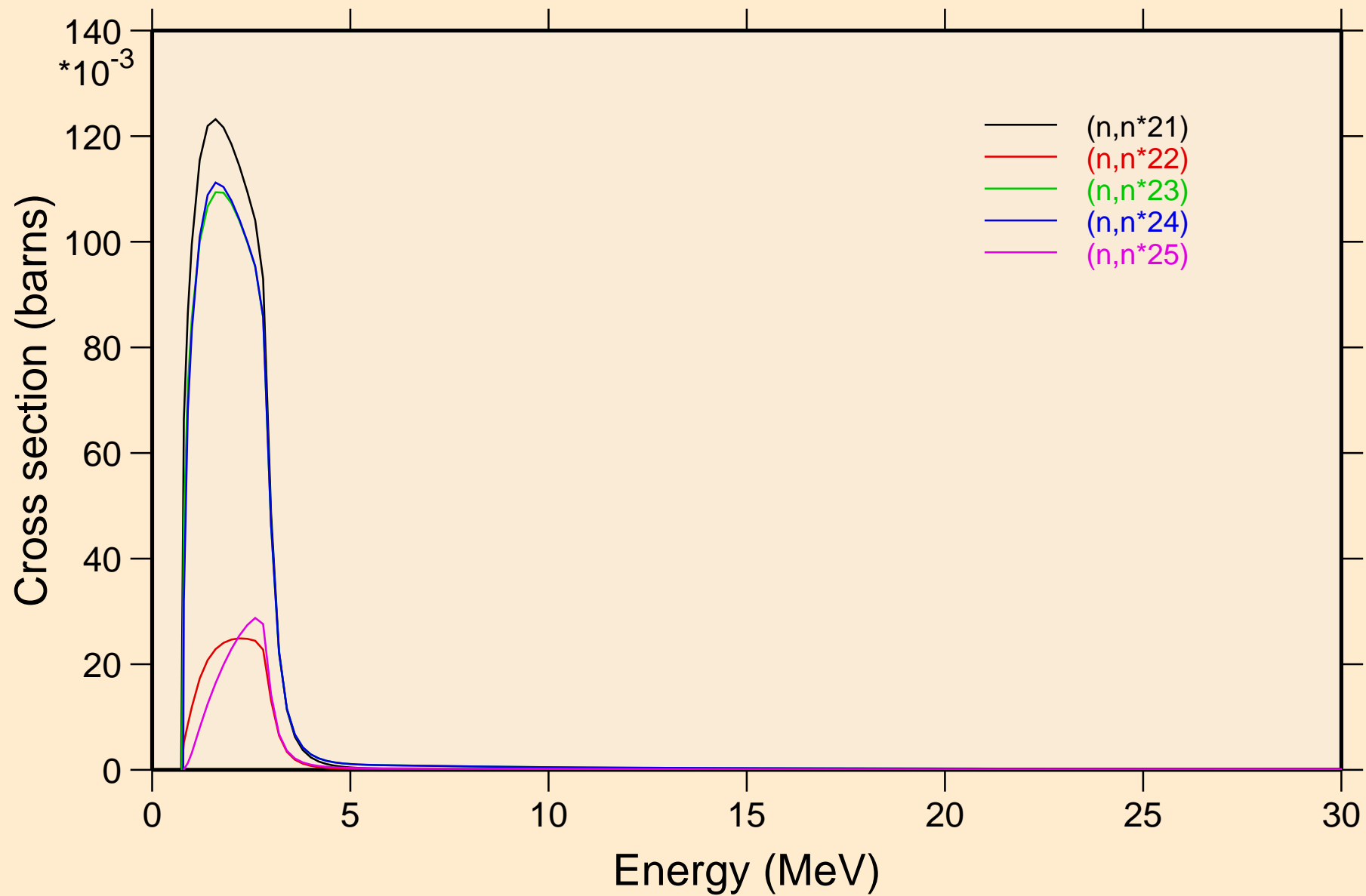
# HF177 NRG TENDL-2015, AKONING

## Inelastic levels



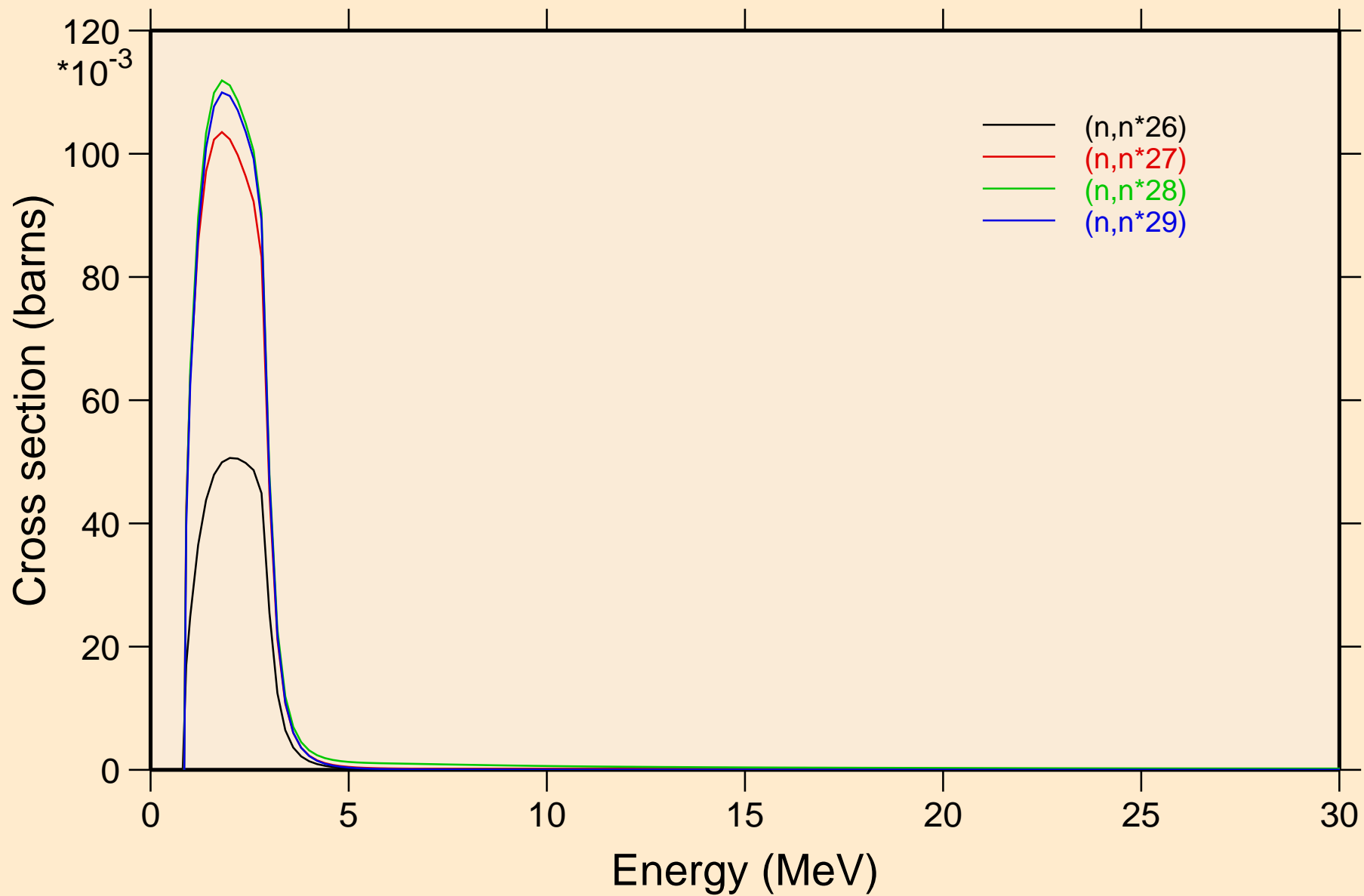
# HF177 NRG TENDL-2015, AKONING

## Inelastic levels



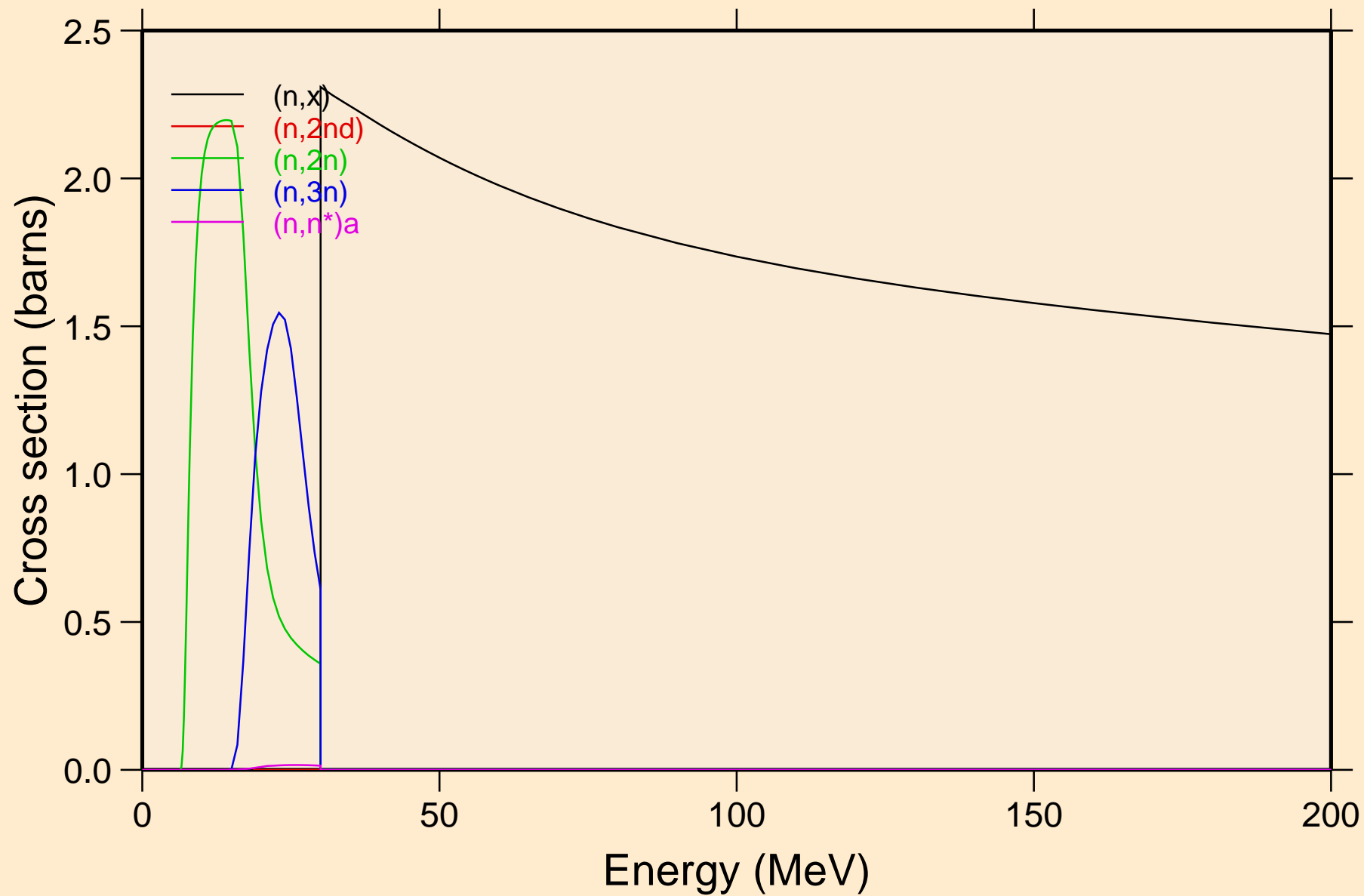
# HF177 NRG TENDL-2015, AKONING

## Inelastic levels



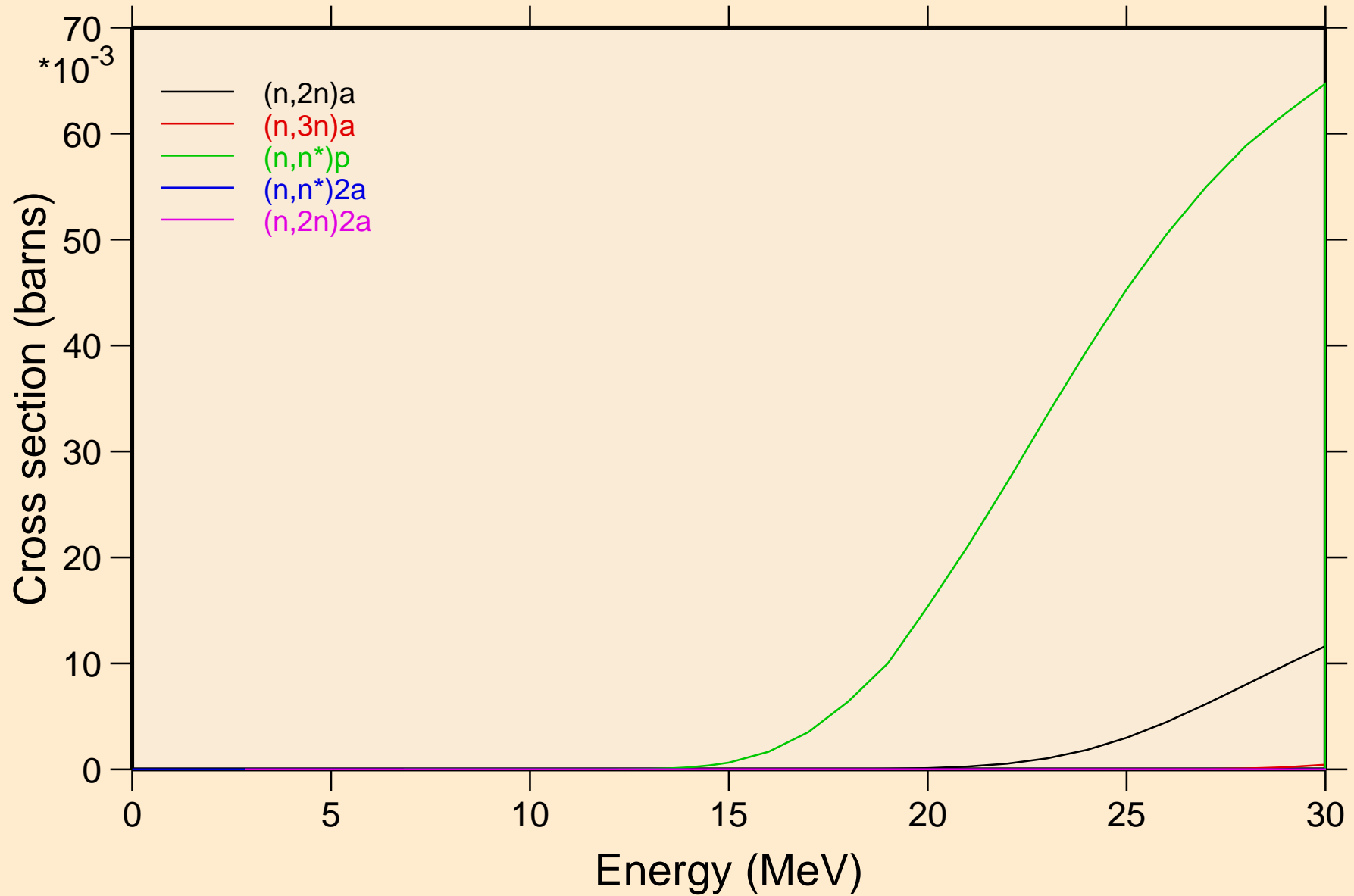
# HF177 NRG TENDL-2015, AKONING

## Threshold reactions



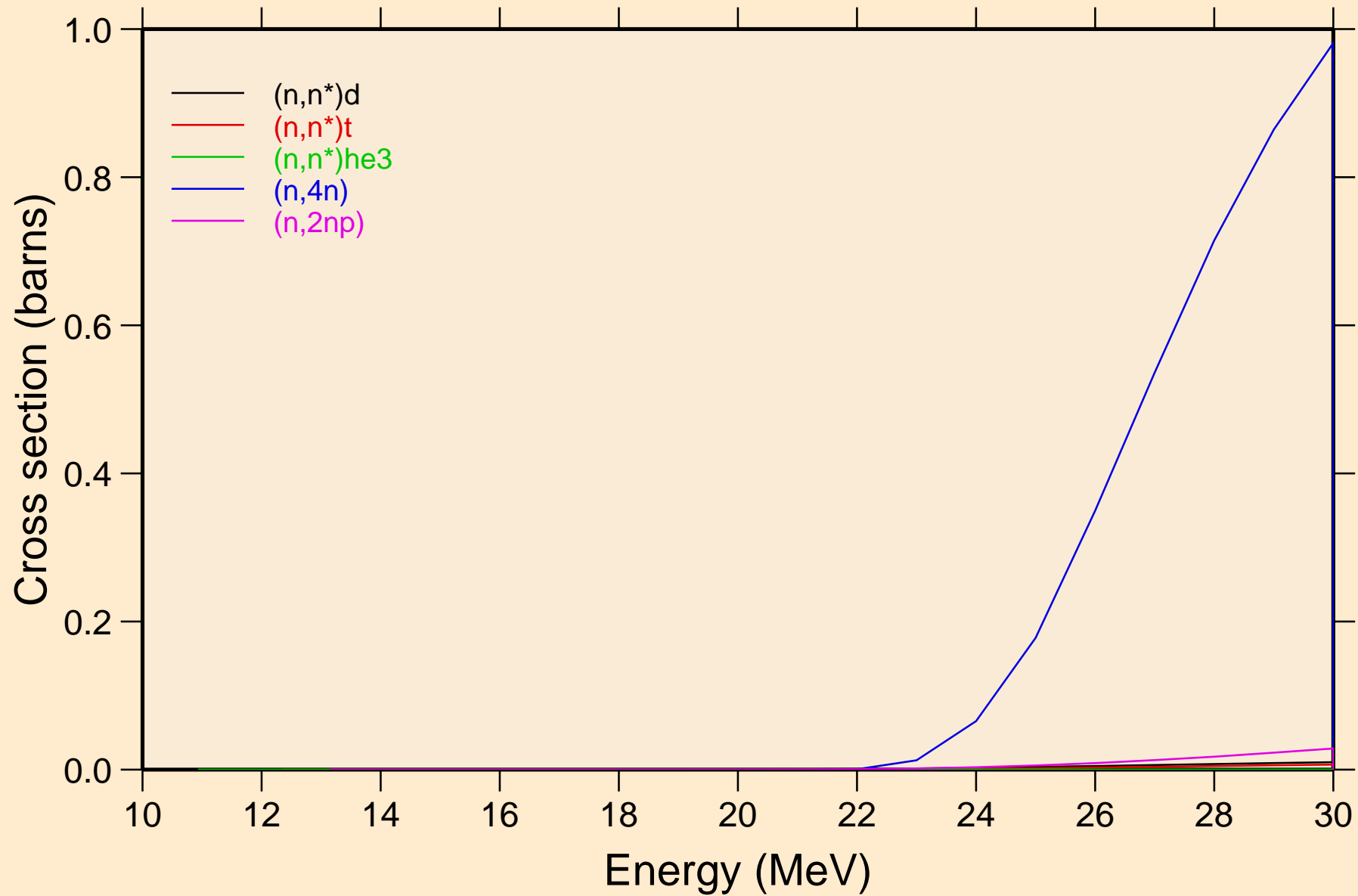
# HF177 NRG TENDL-2015, AKONING

## Threshold reactions



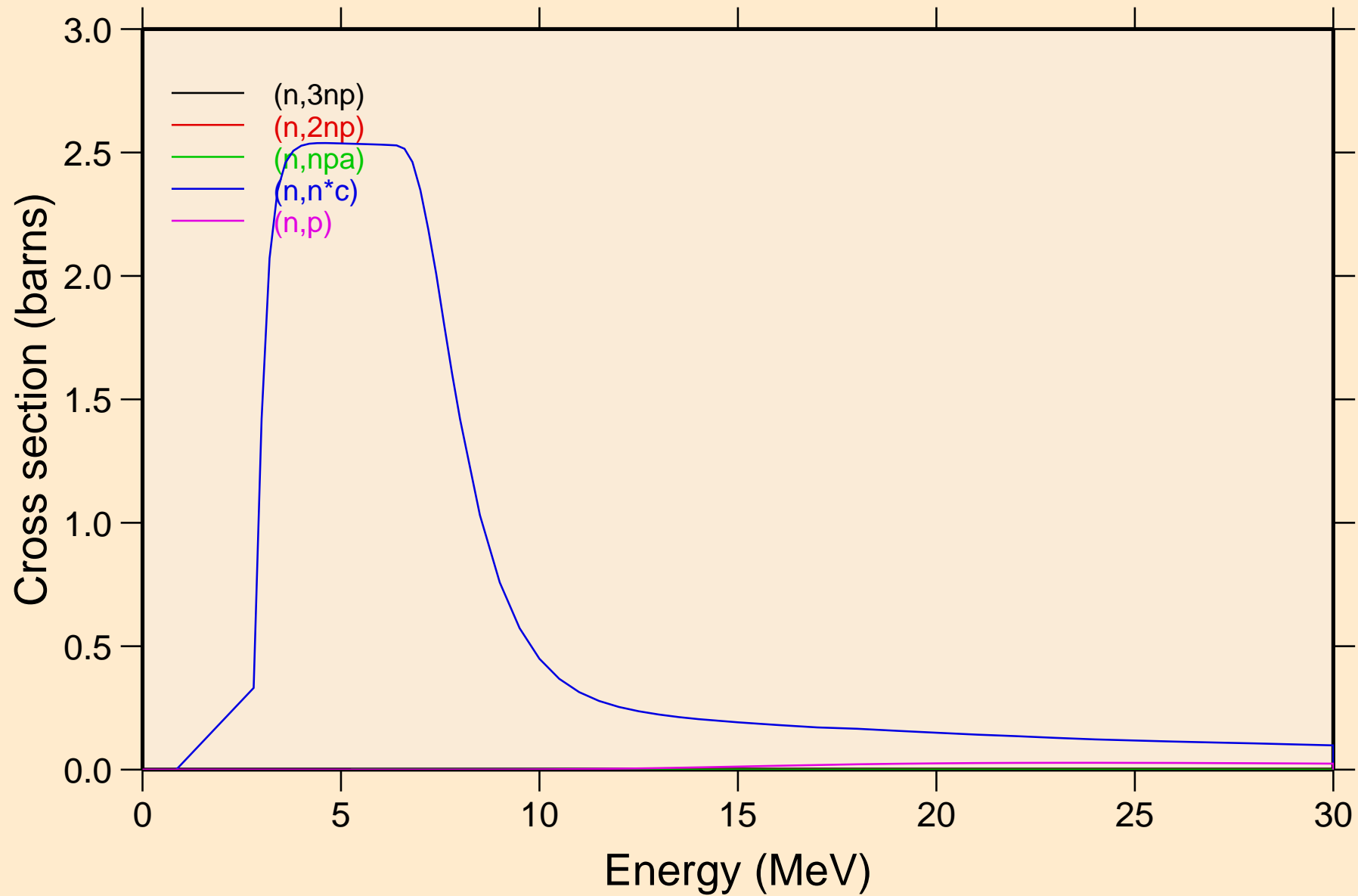
# HF177 NRG TENDL-2015, AKONING

## Threshold reactions



# HF177 NRG TENDL-2015, AKONING

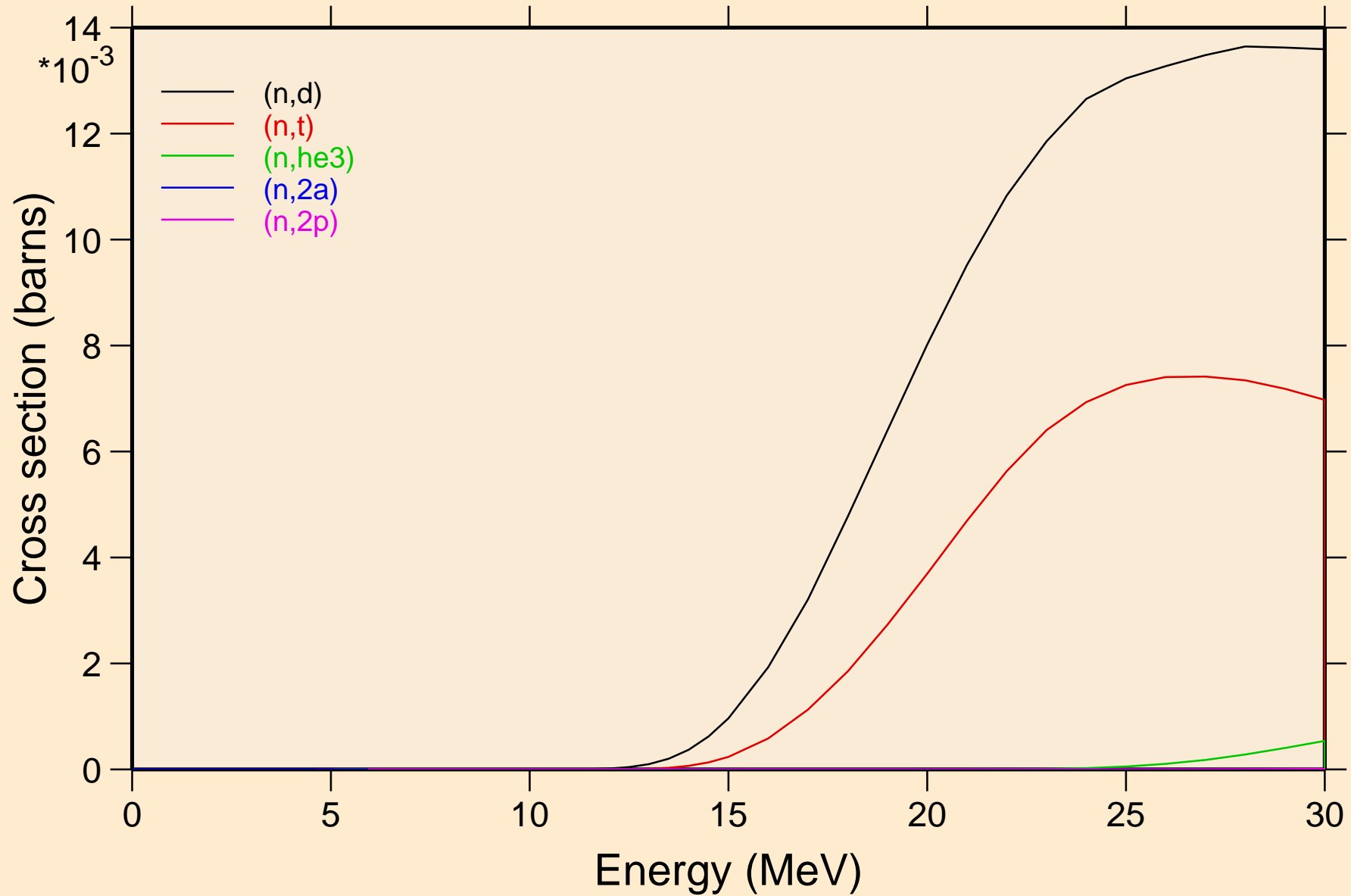
## Threshold reactions





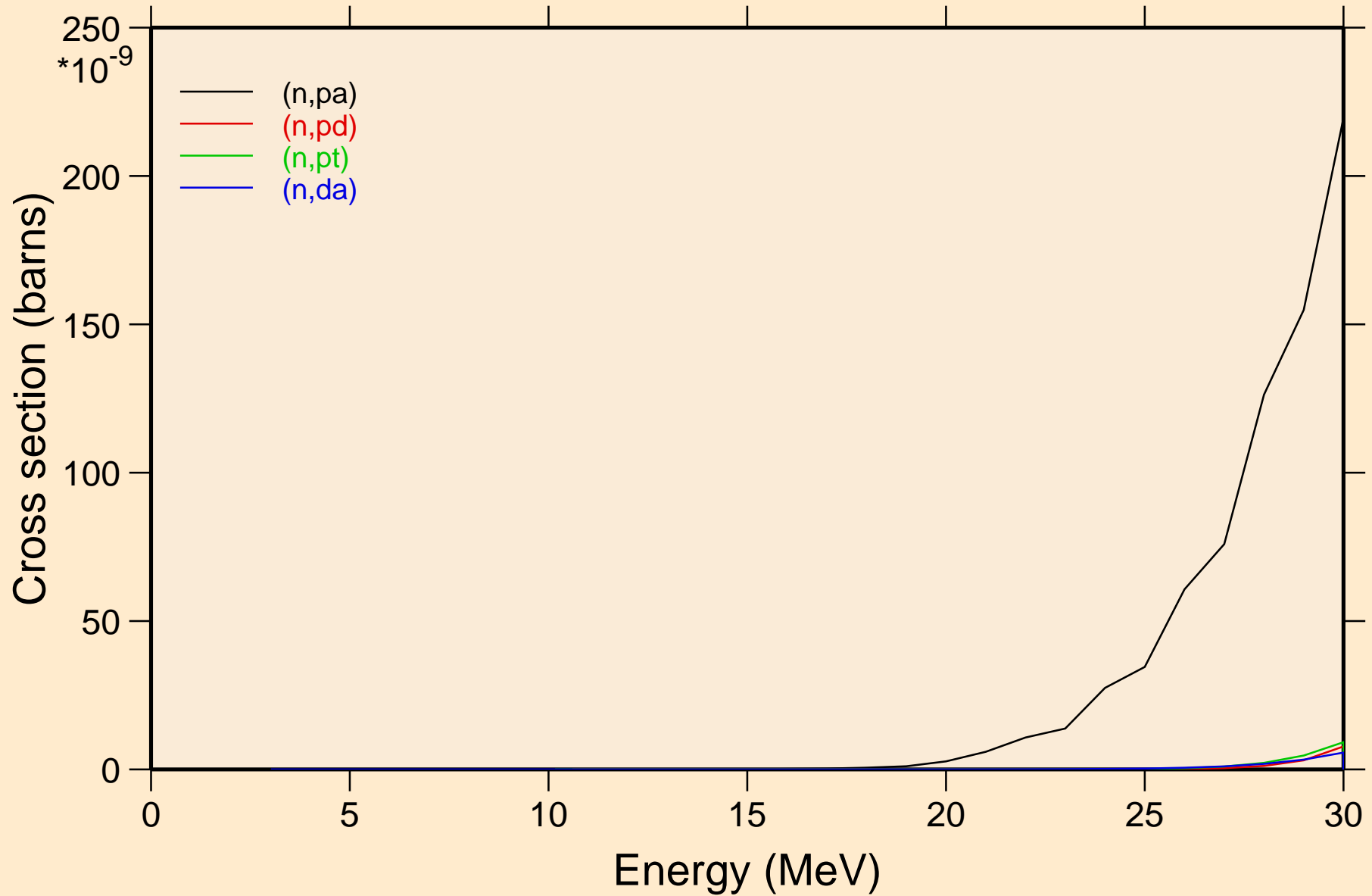
# HF177 NRG TENDL-2015, AKONING

## Threshold reactions

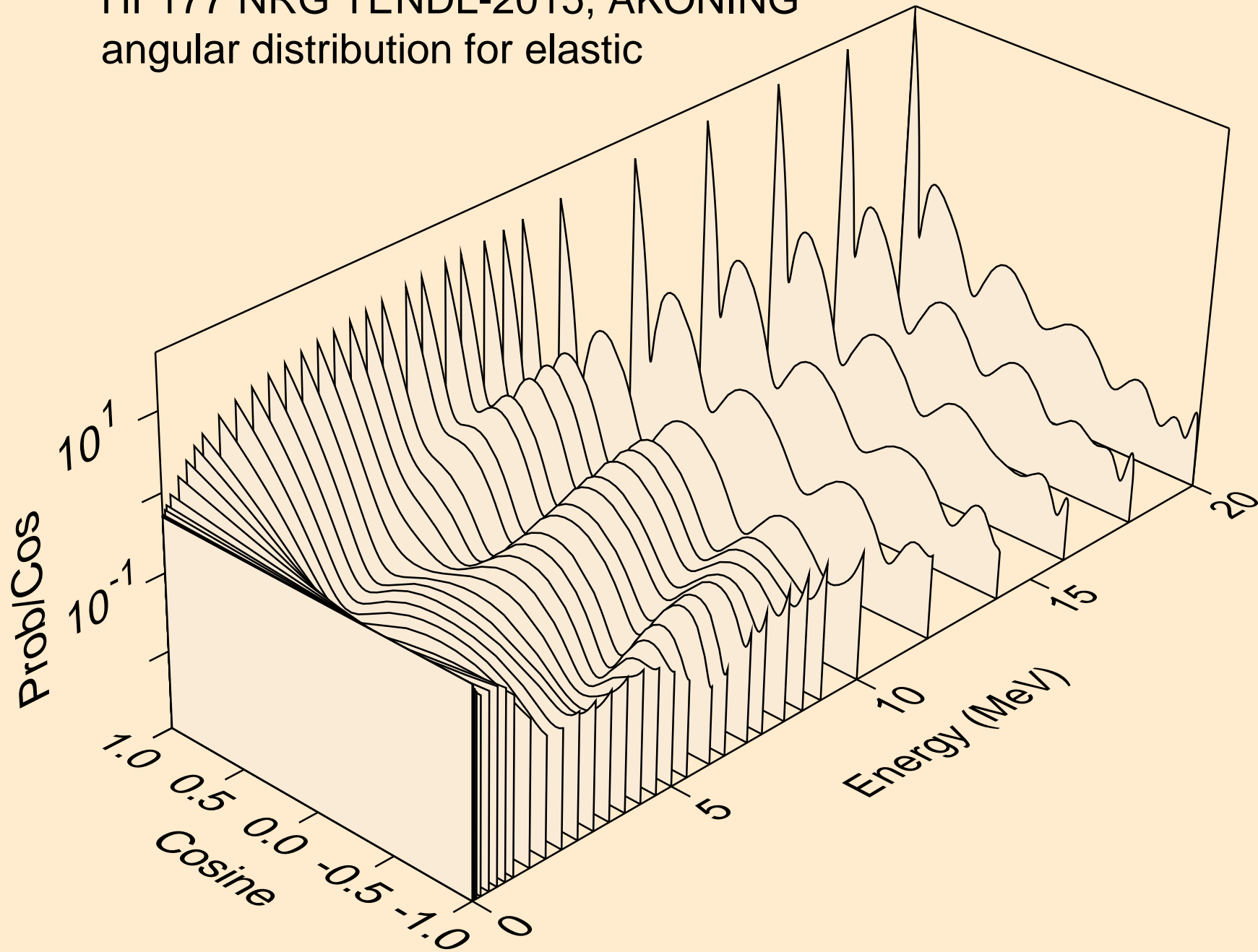


# HF177 NRG TENDL-2015, AKONING

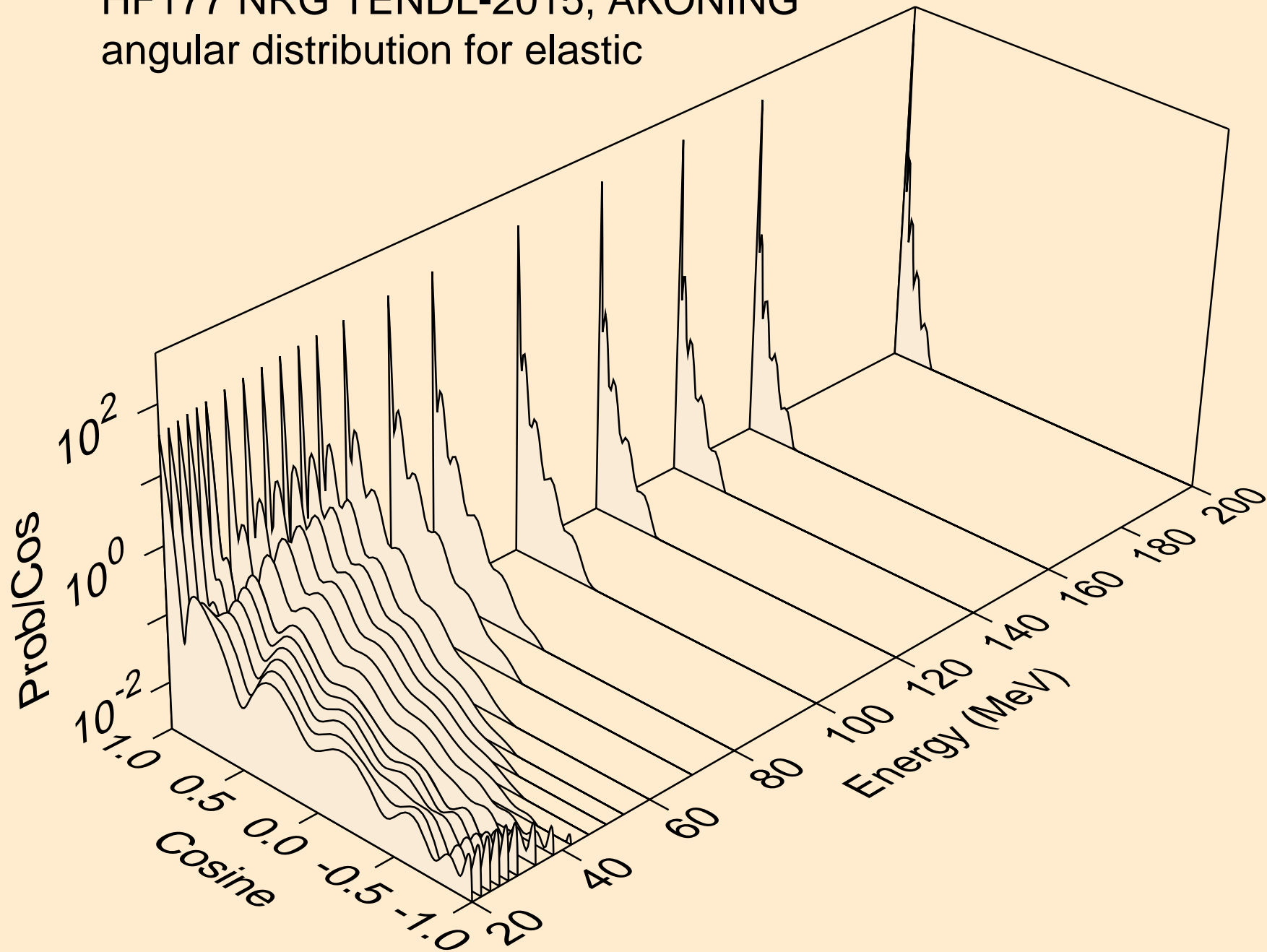
## Threshold reactions



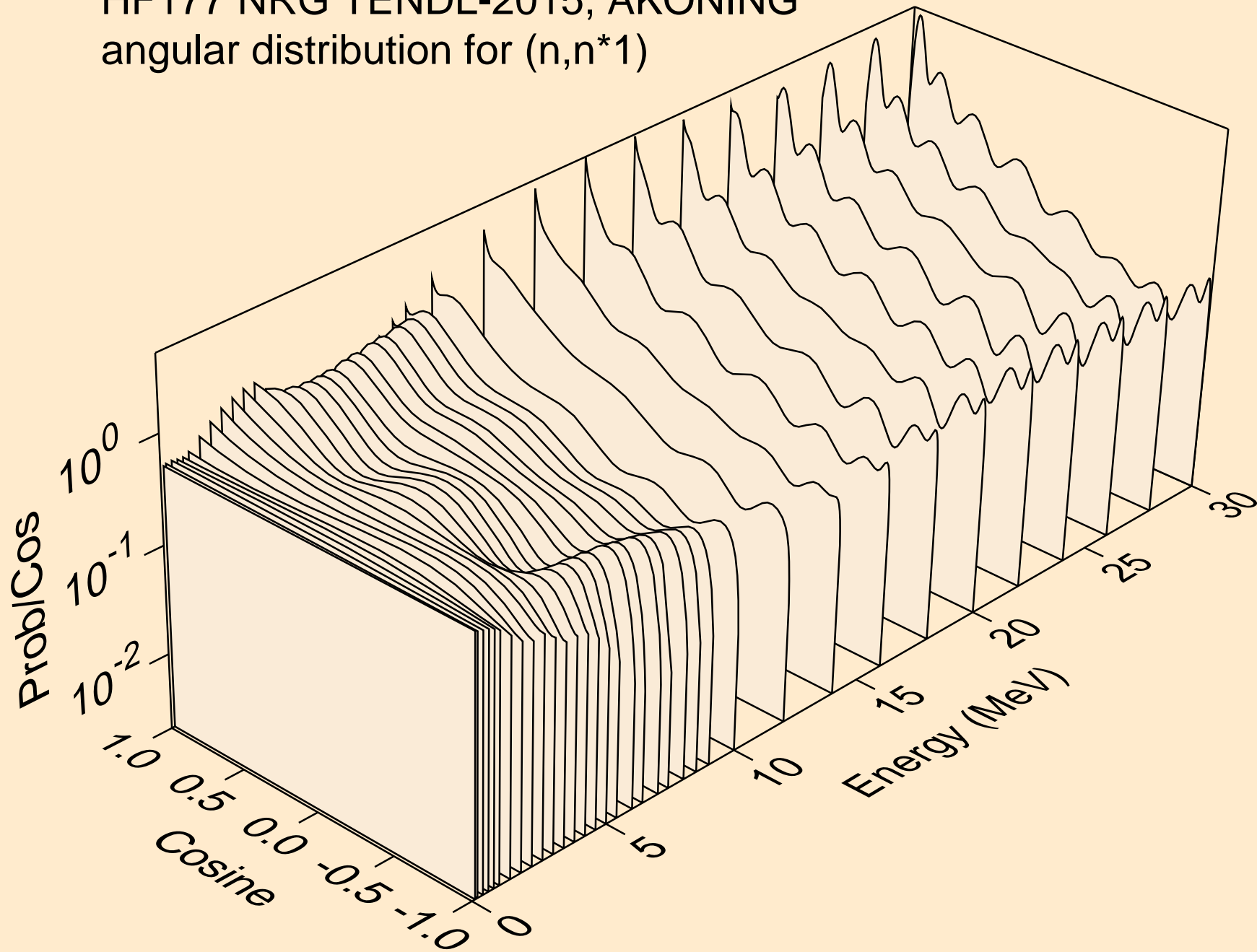
HF177 NRG TENDL-2015, AKONING  
angular distribution for elastic



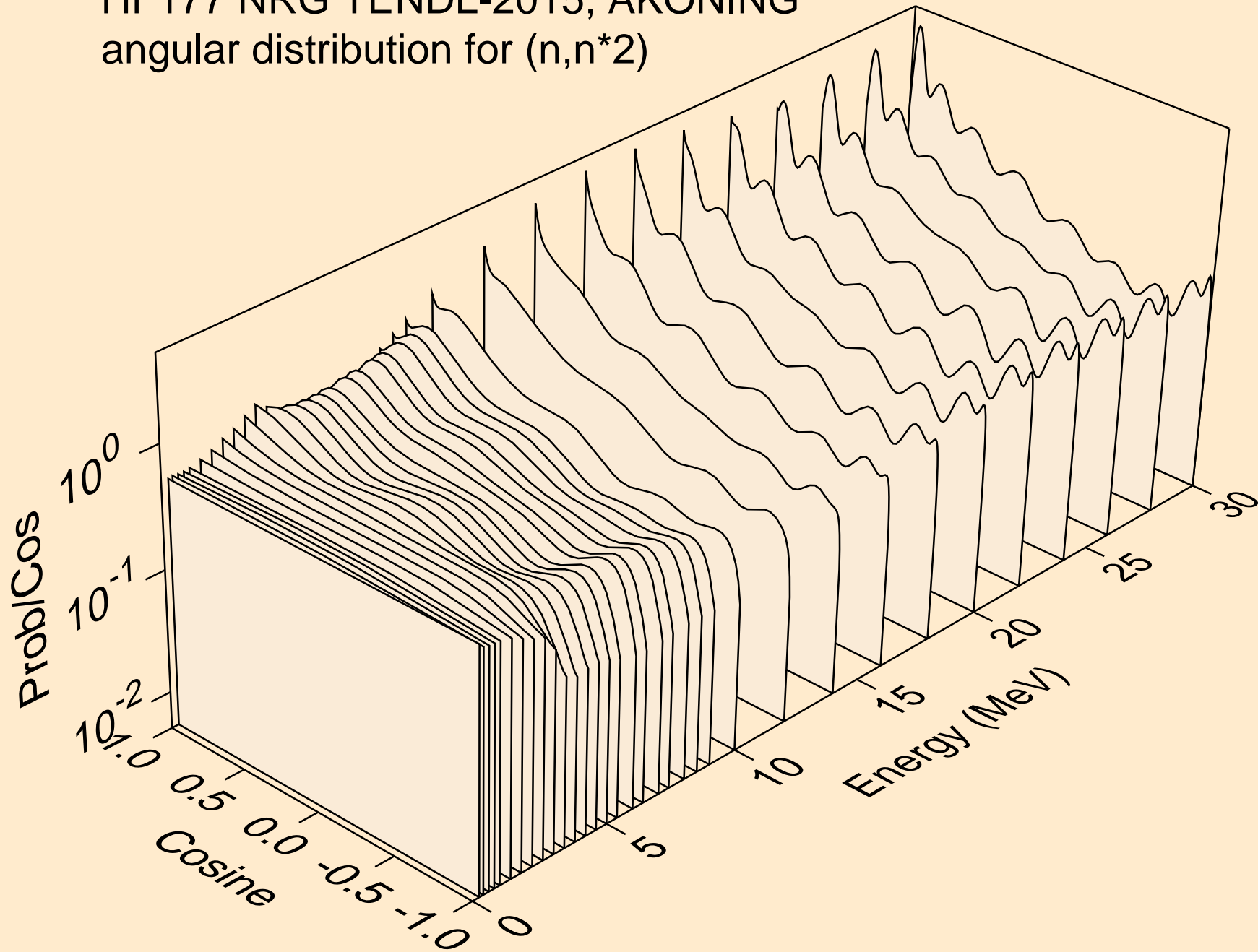
HF177 NRG TENDL-2015, AKONING  
angular distribution for elastic



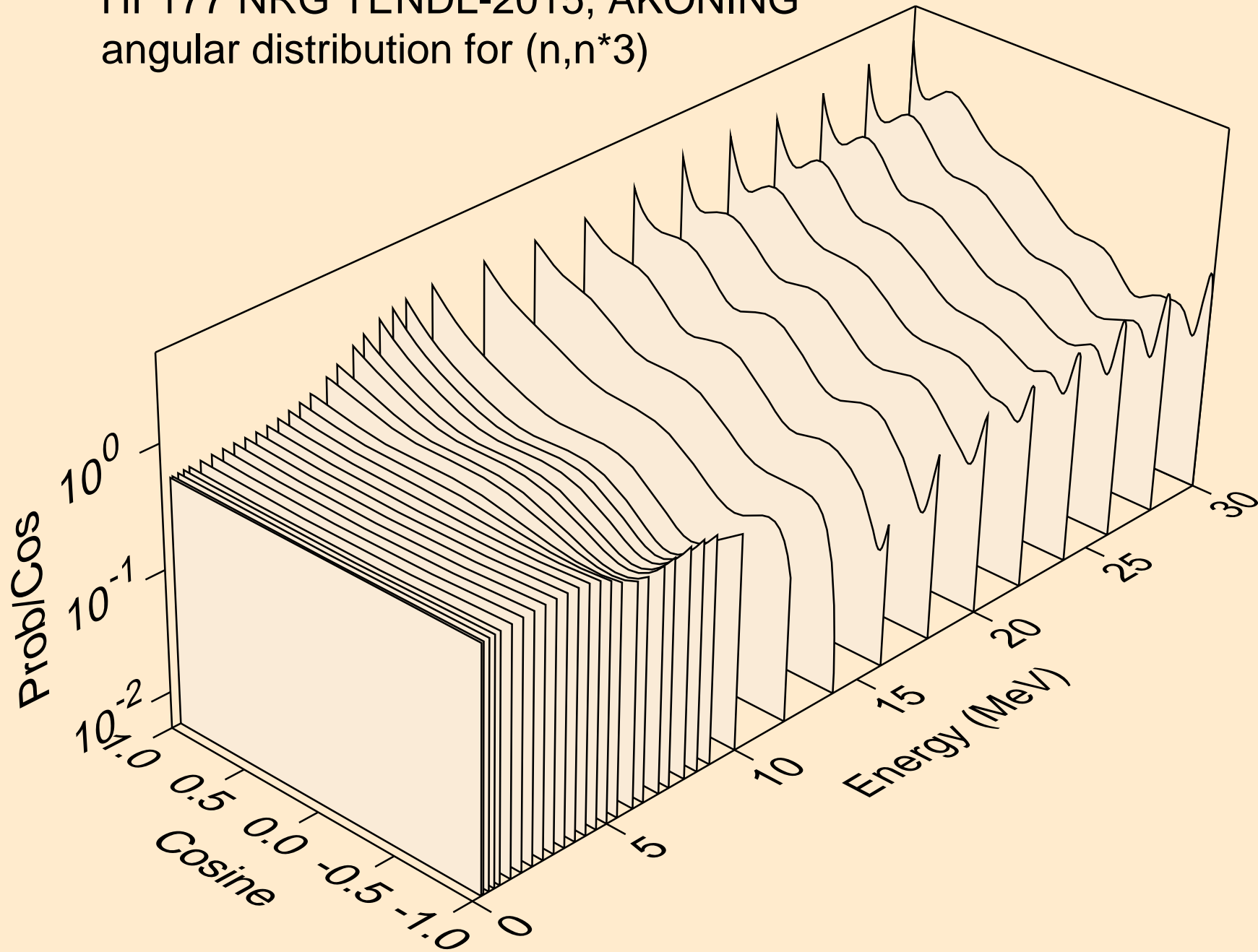
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



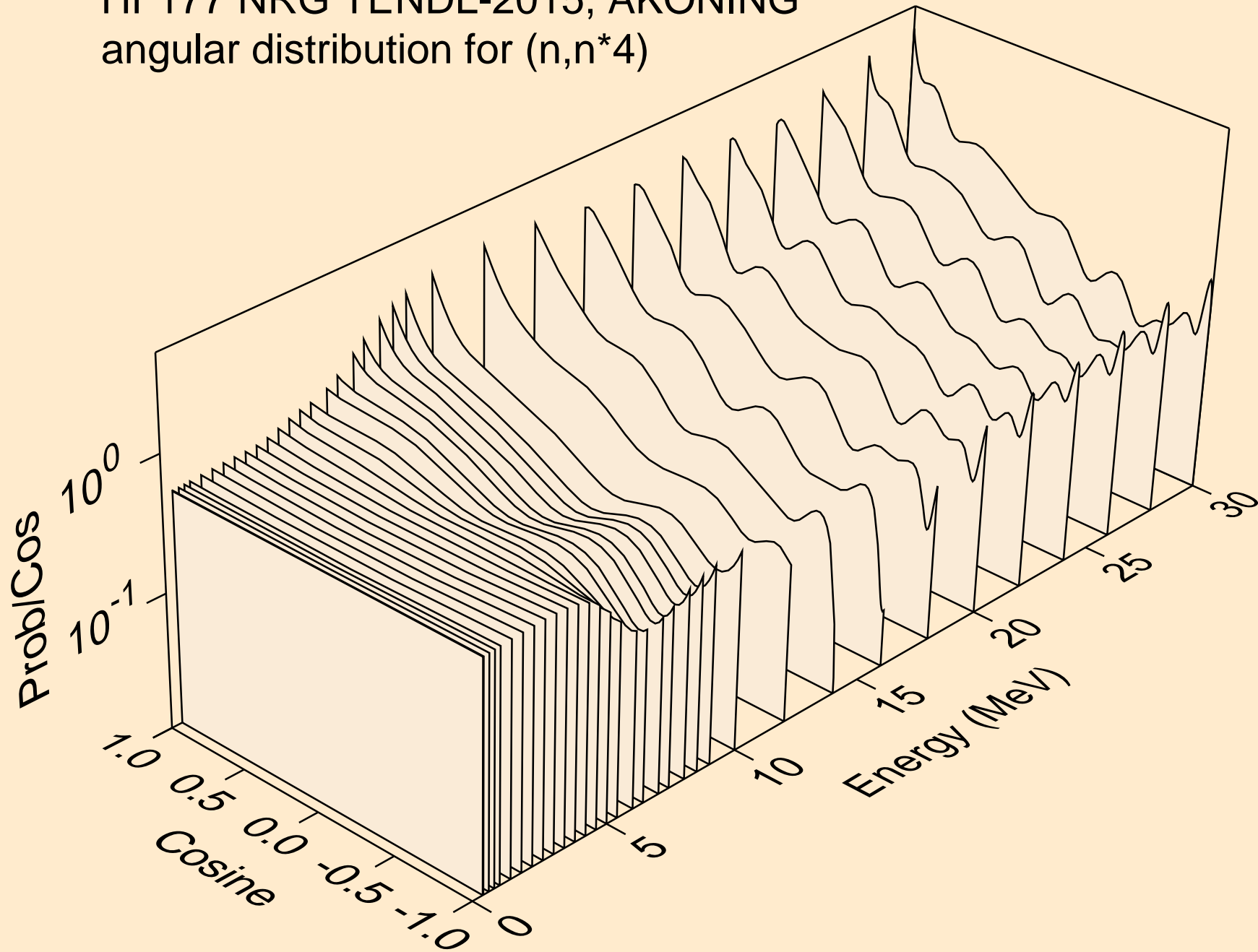
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)

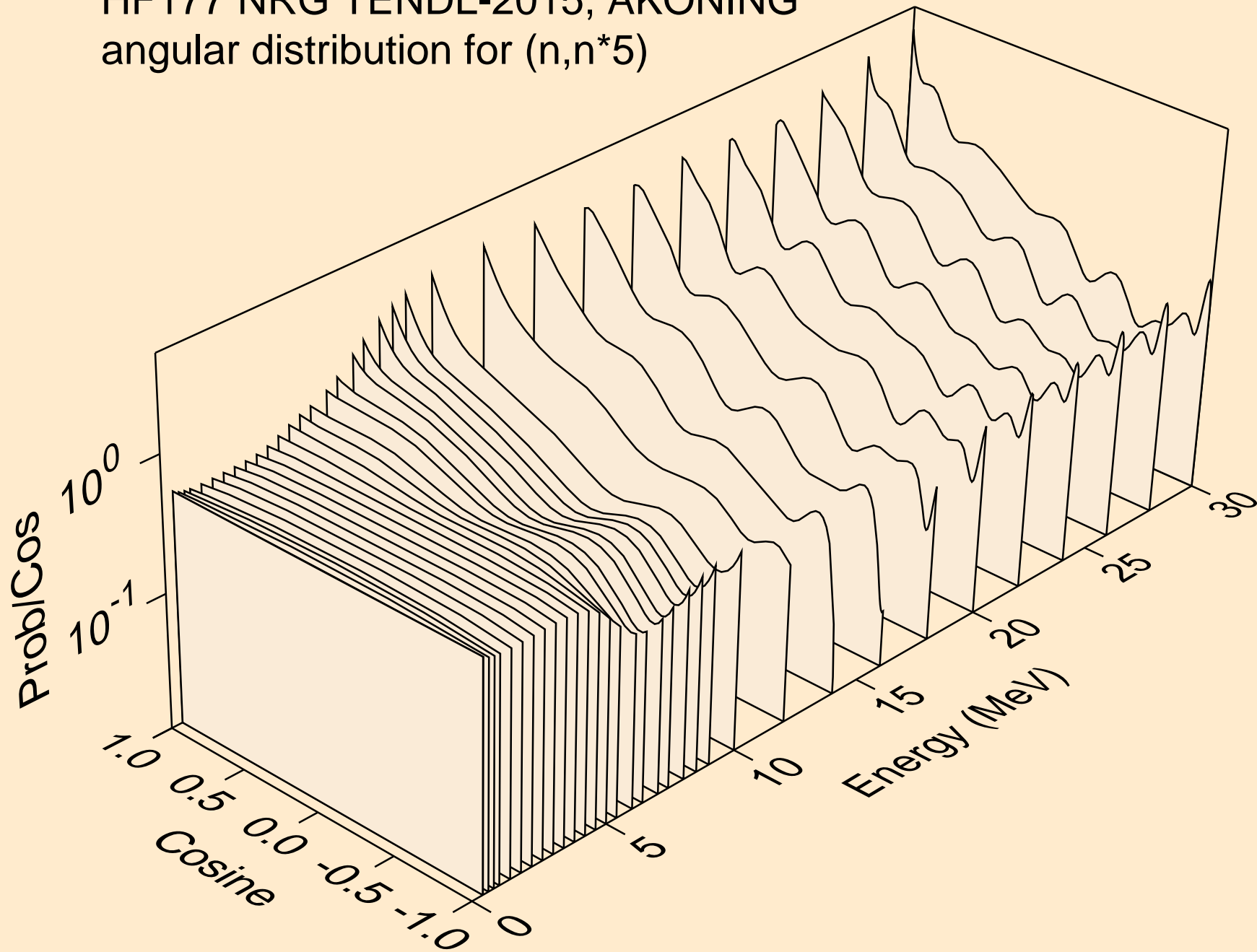


HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)

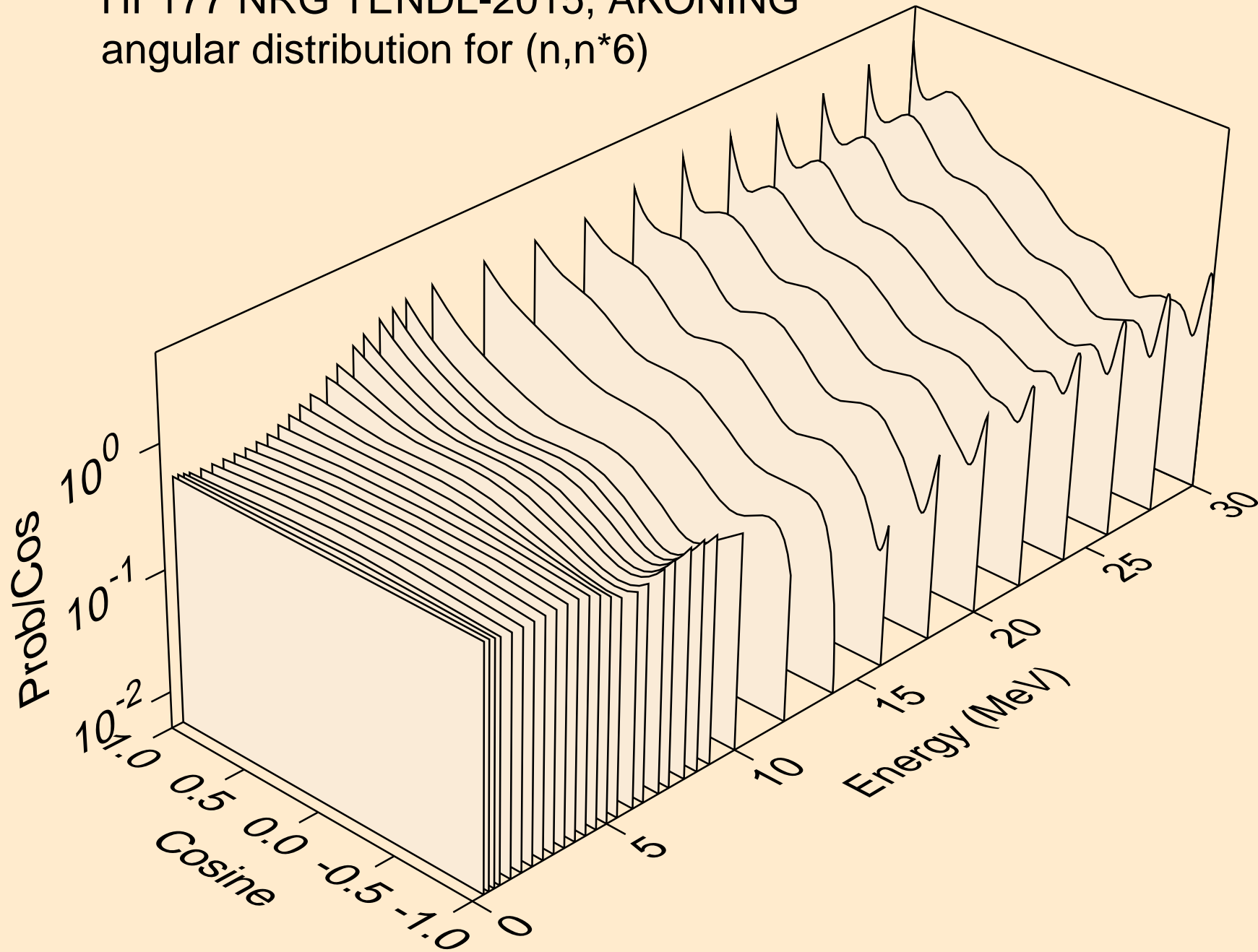




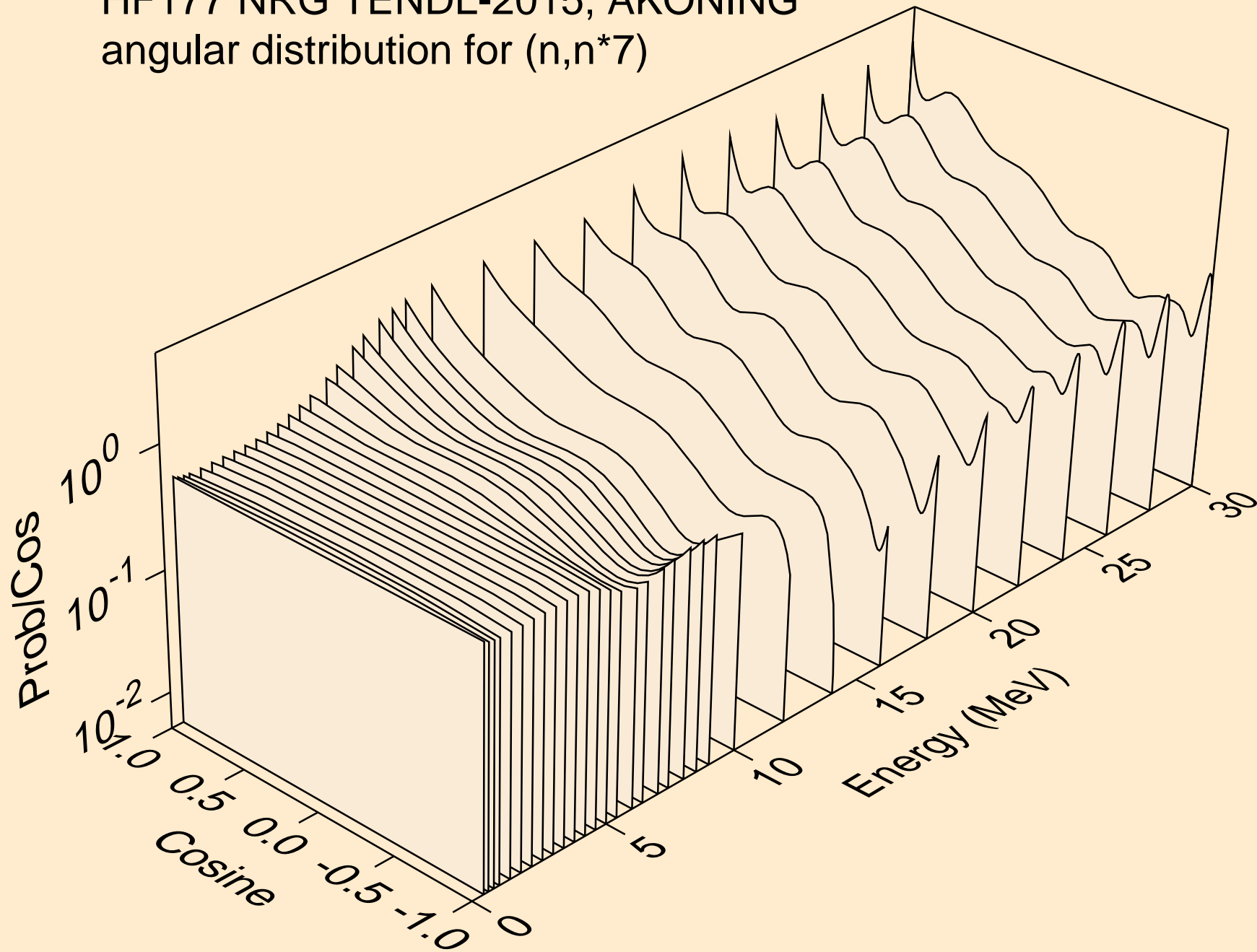
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



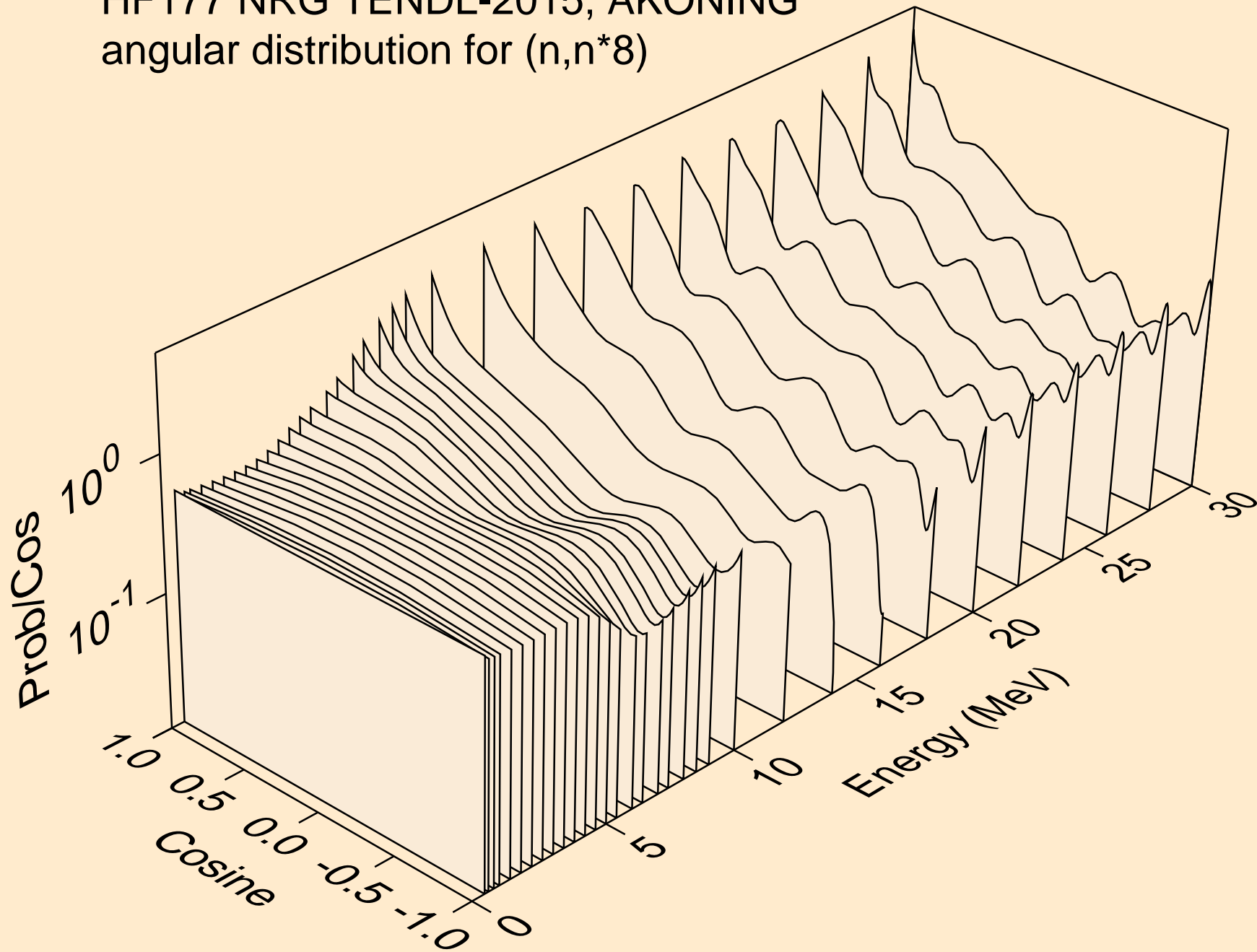
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



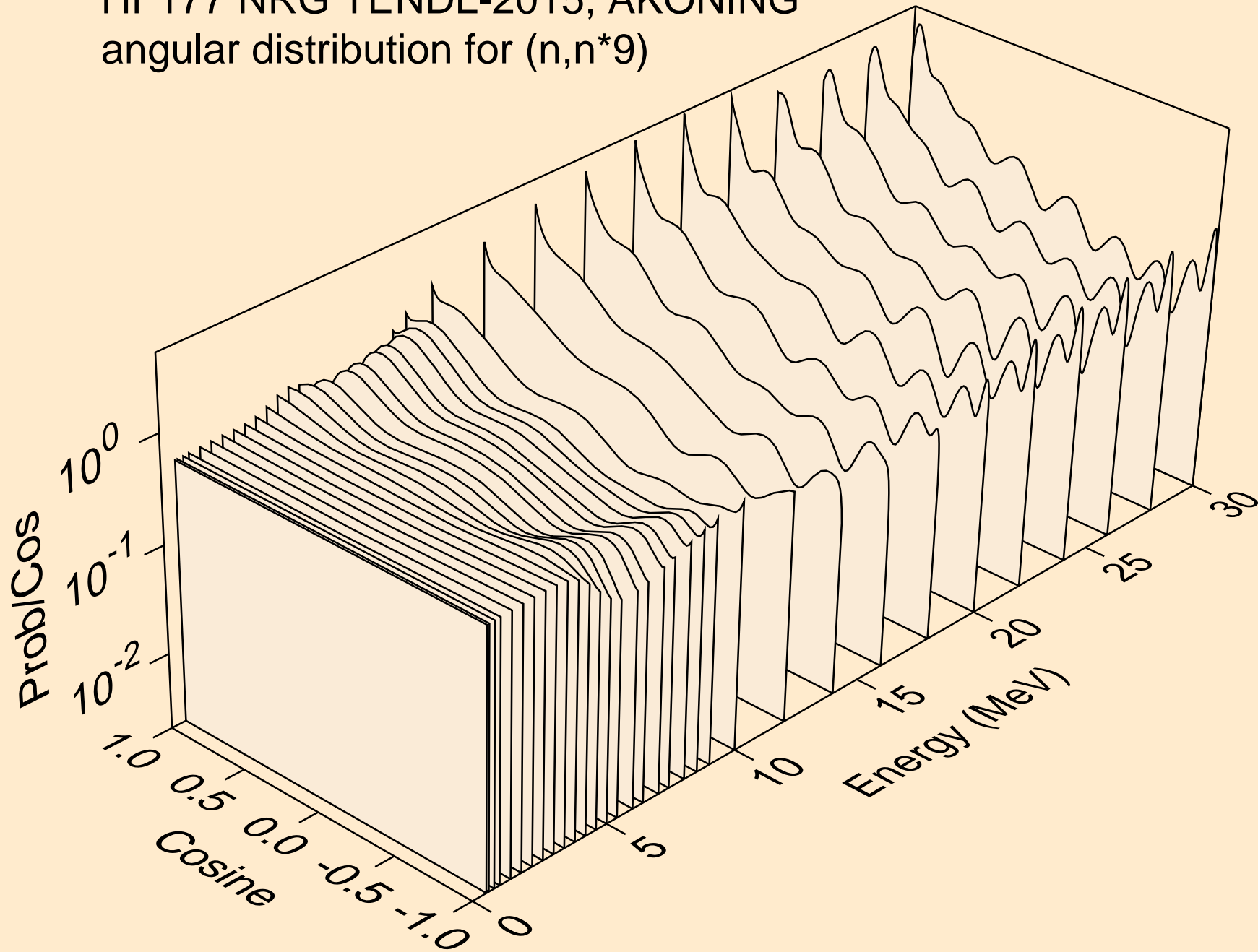
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



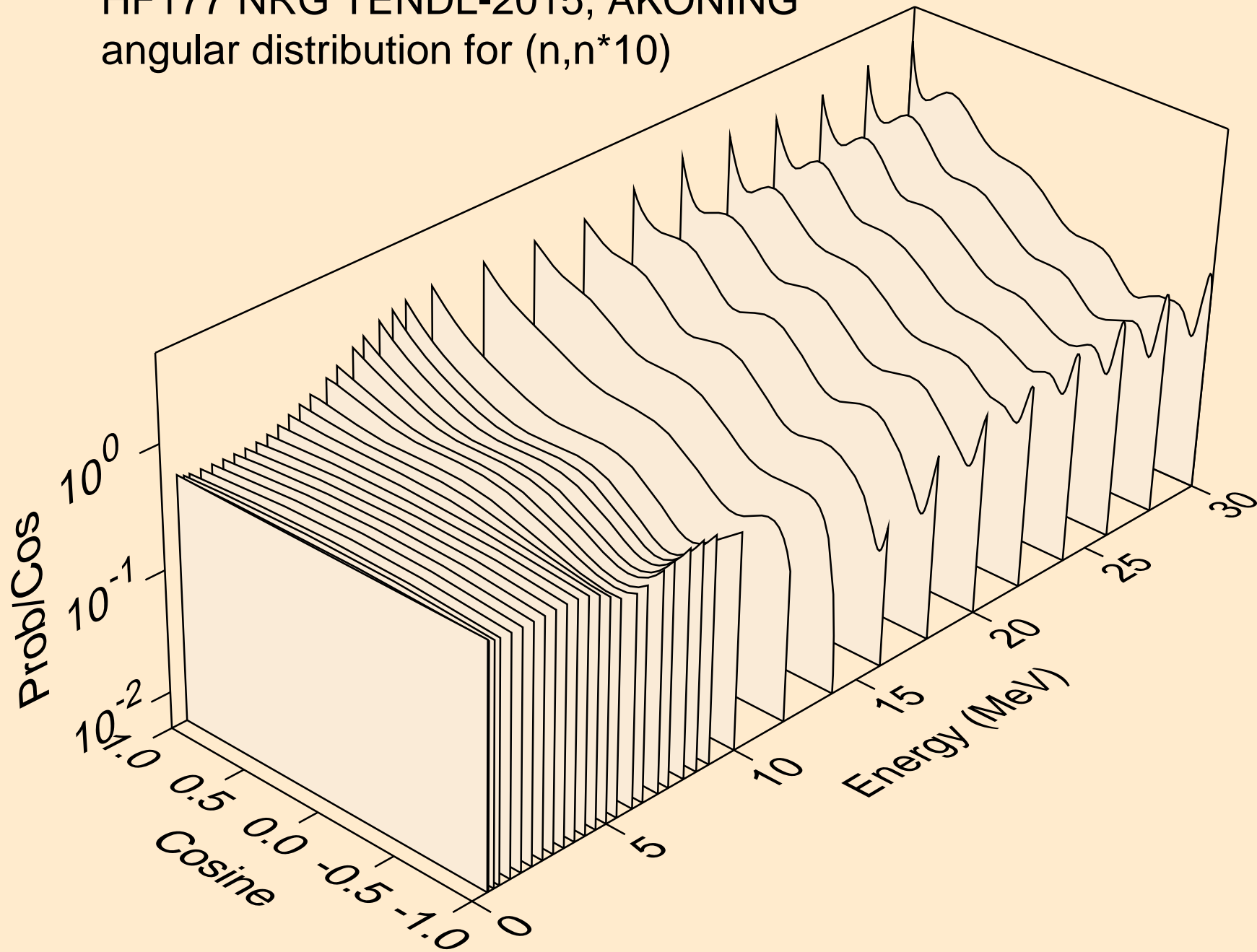
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



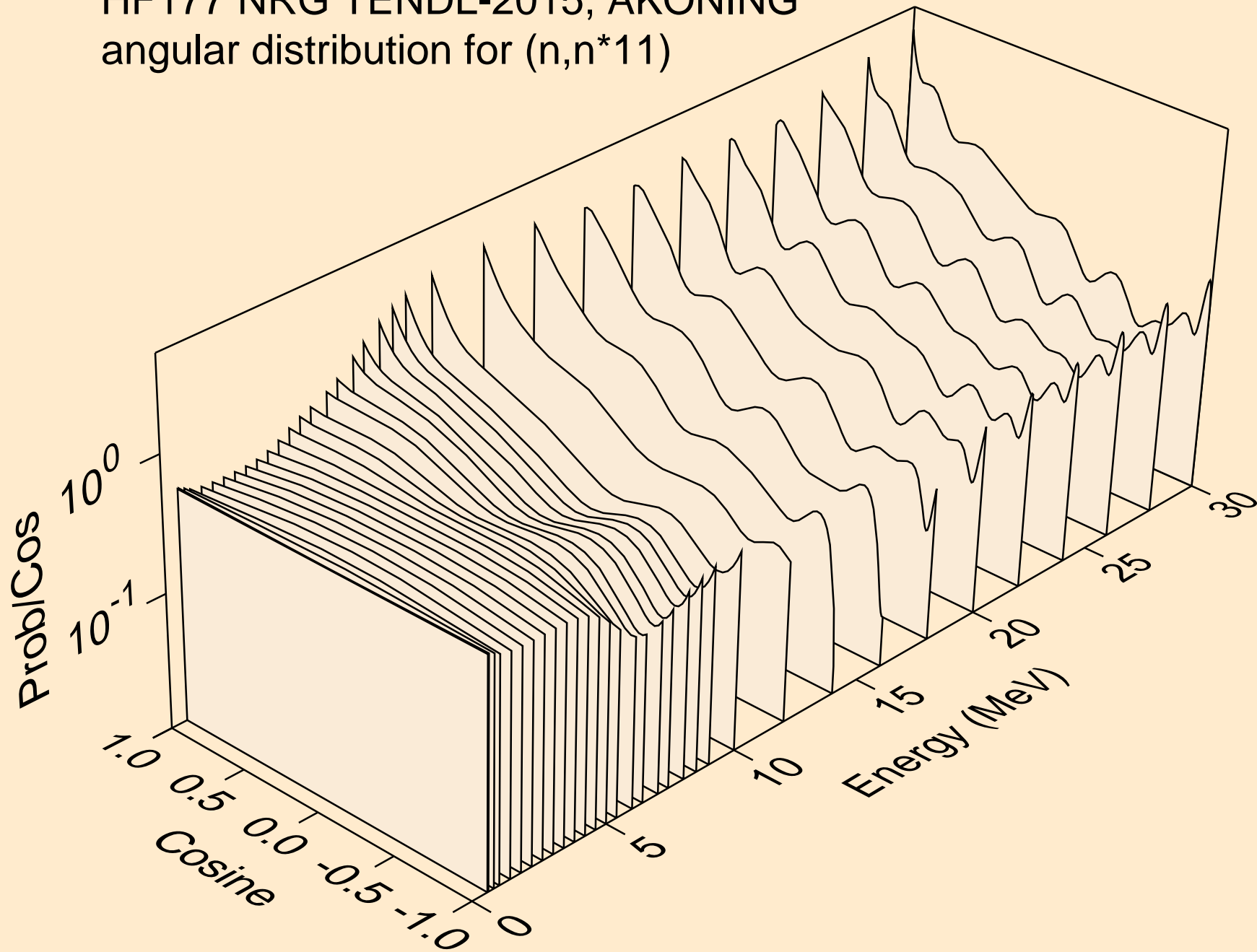
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



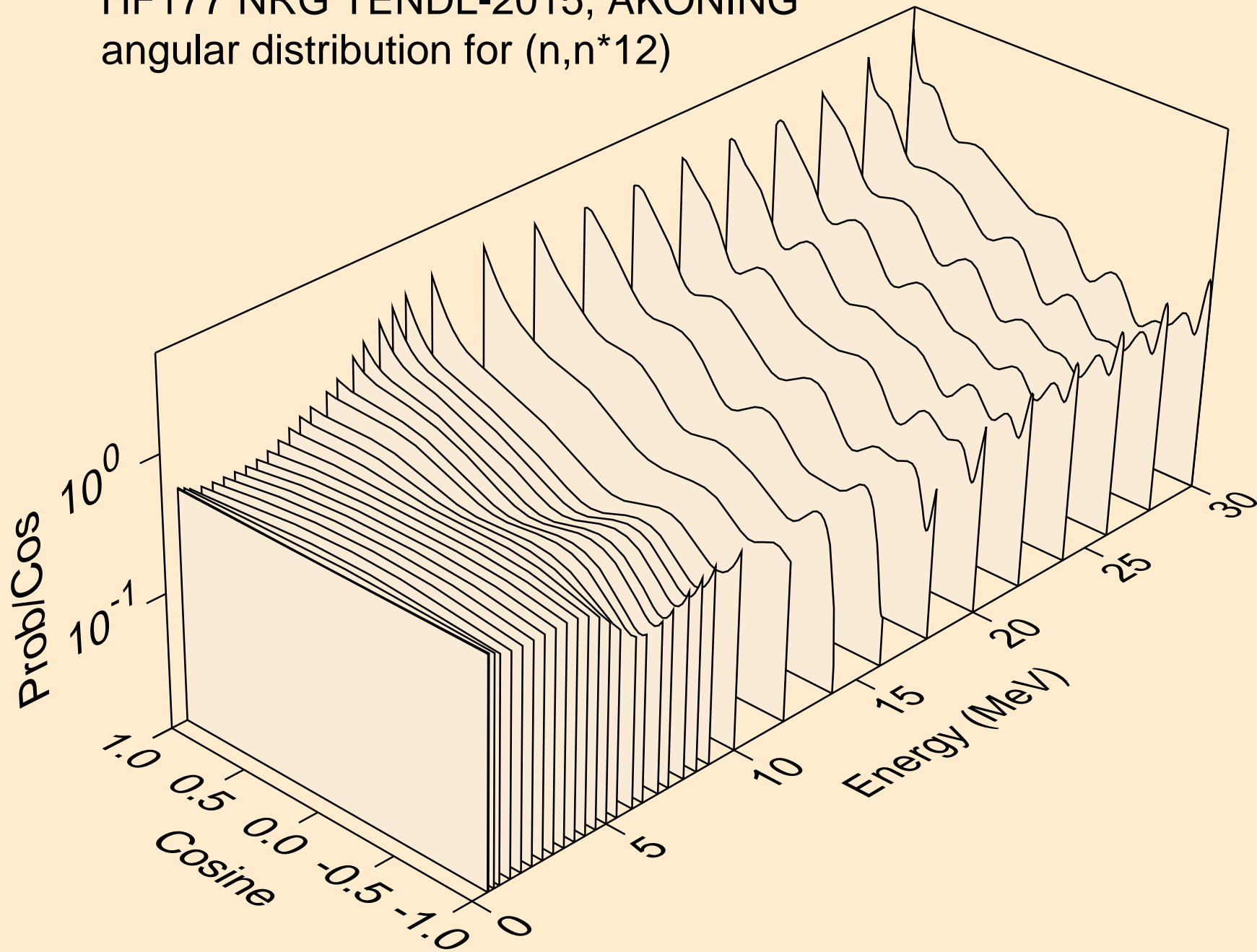
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)

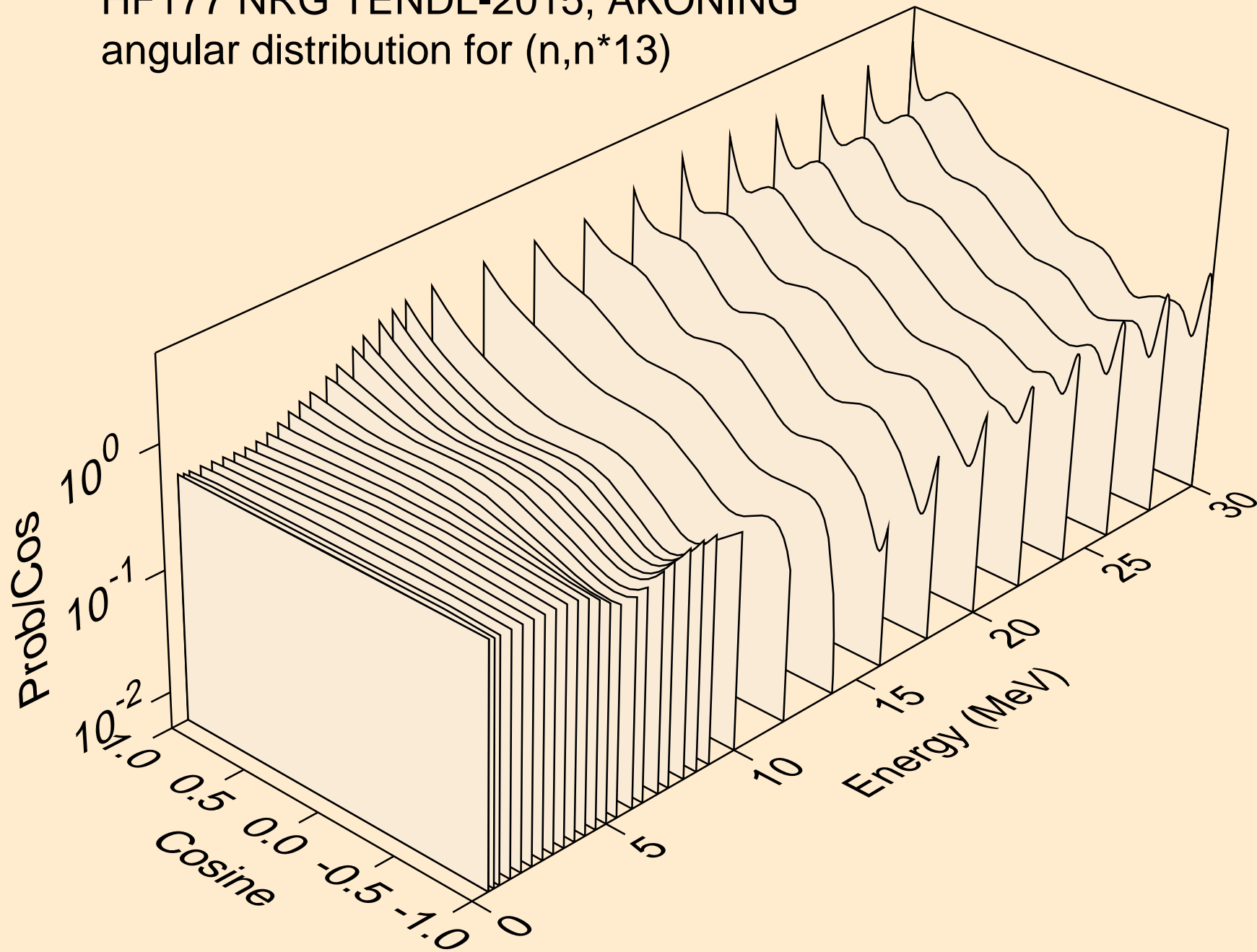


HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)

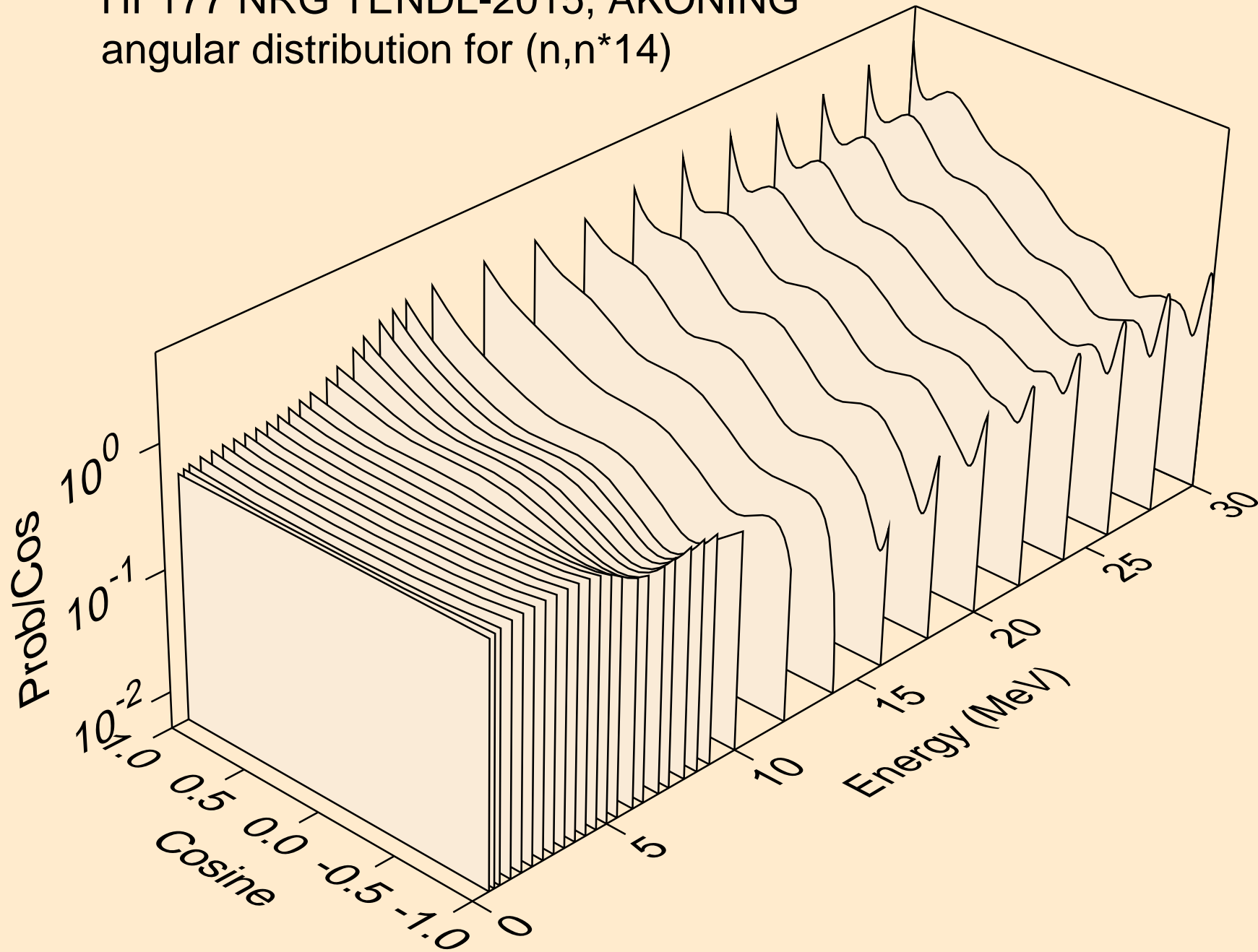




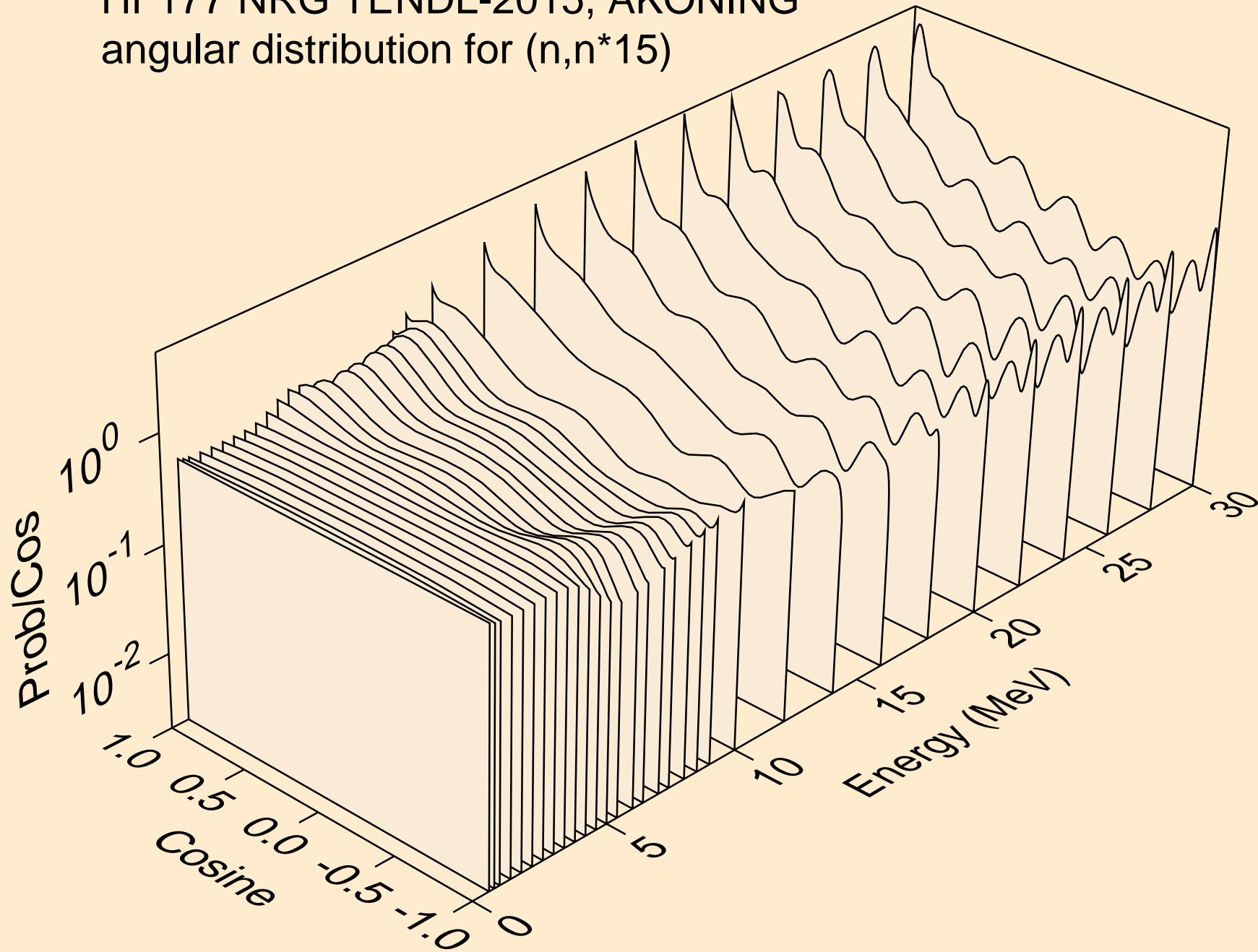
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



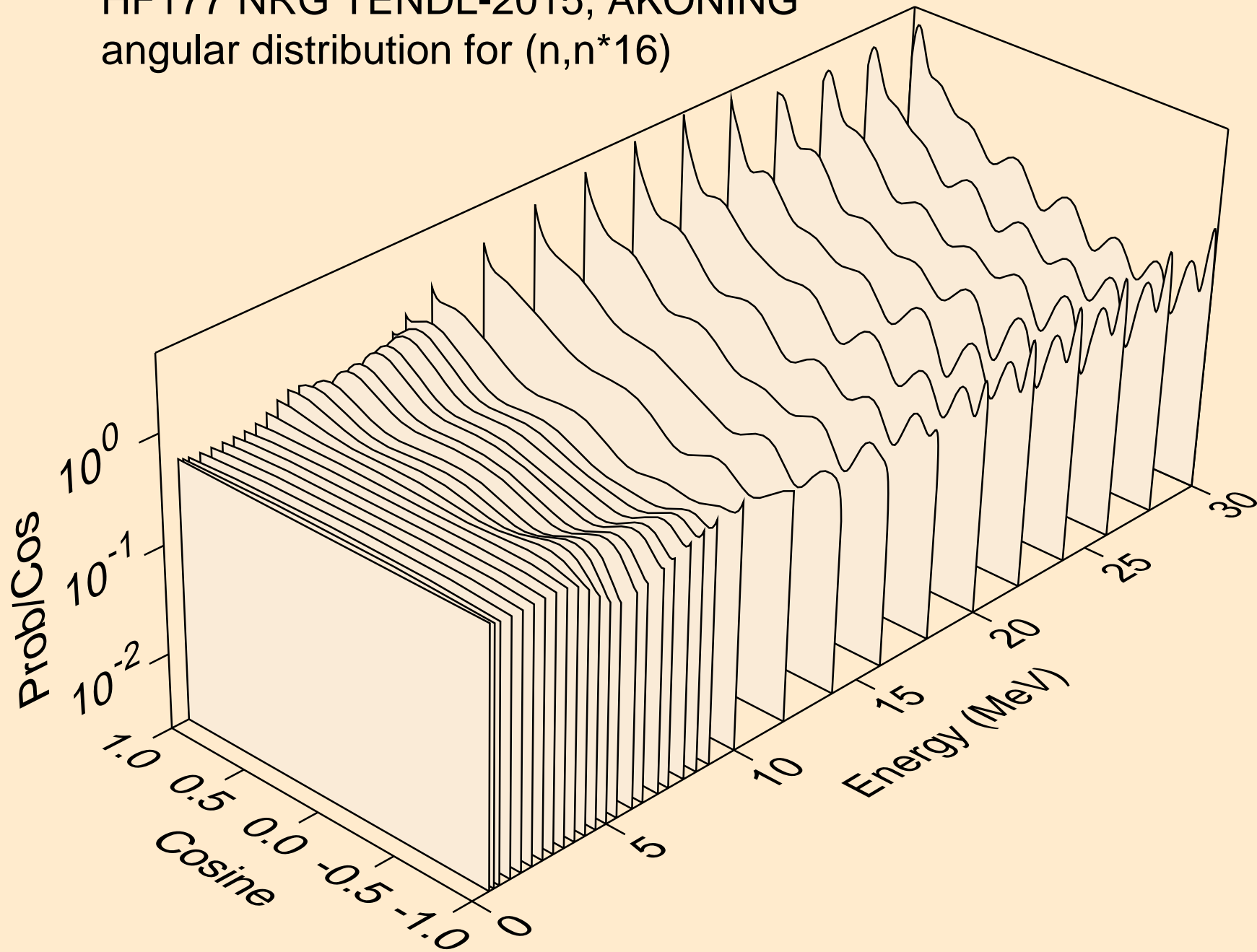
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



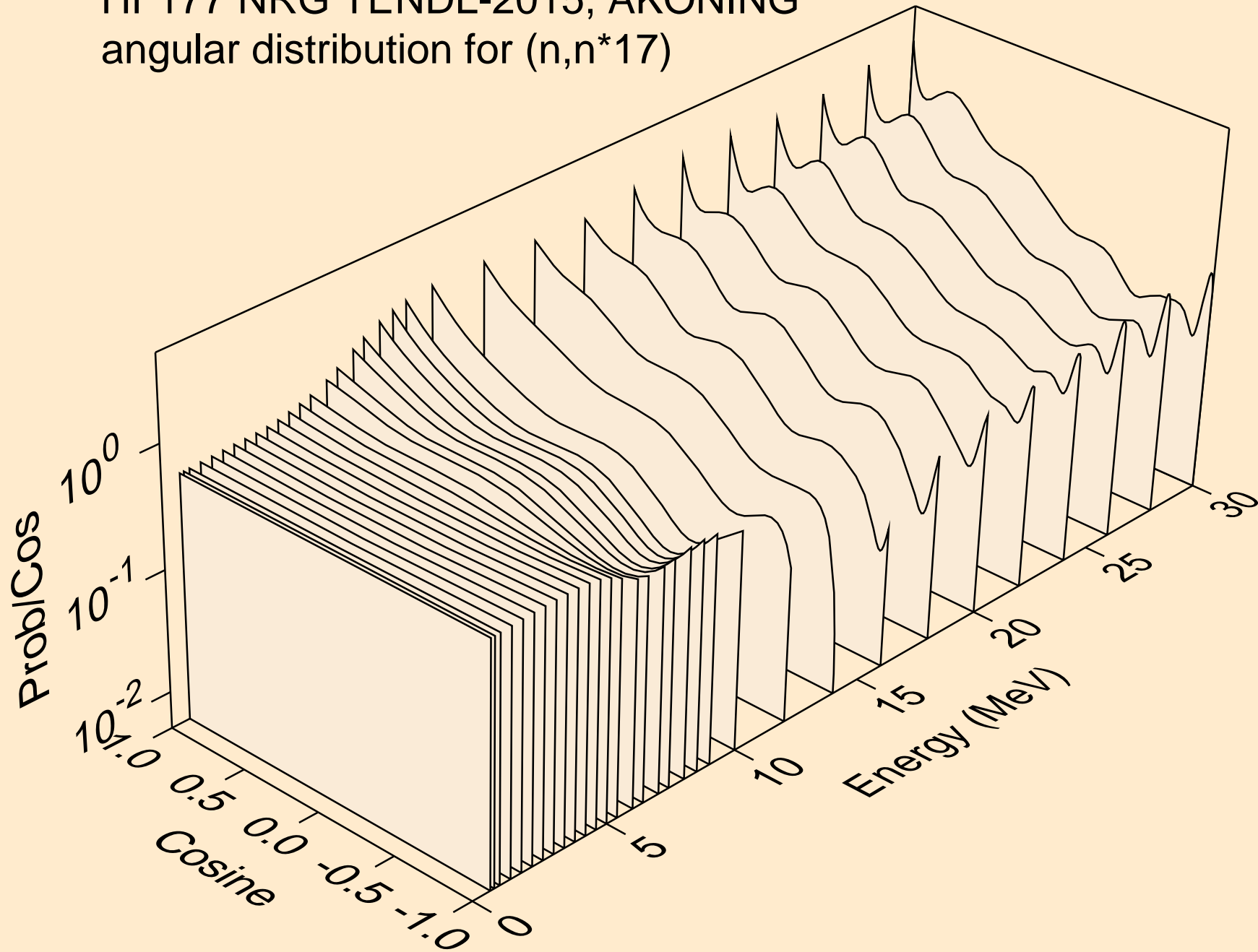
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



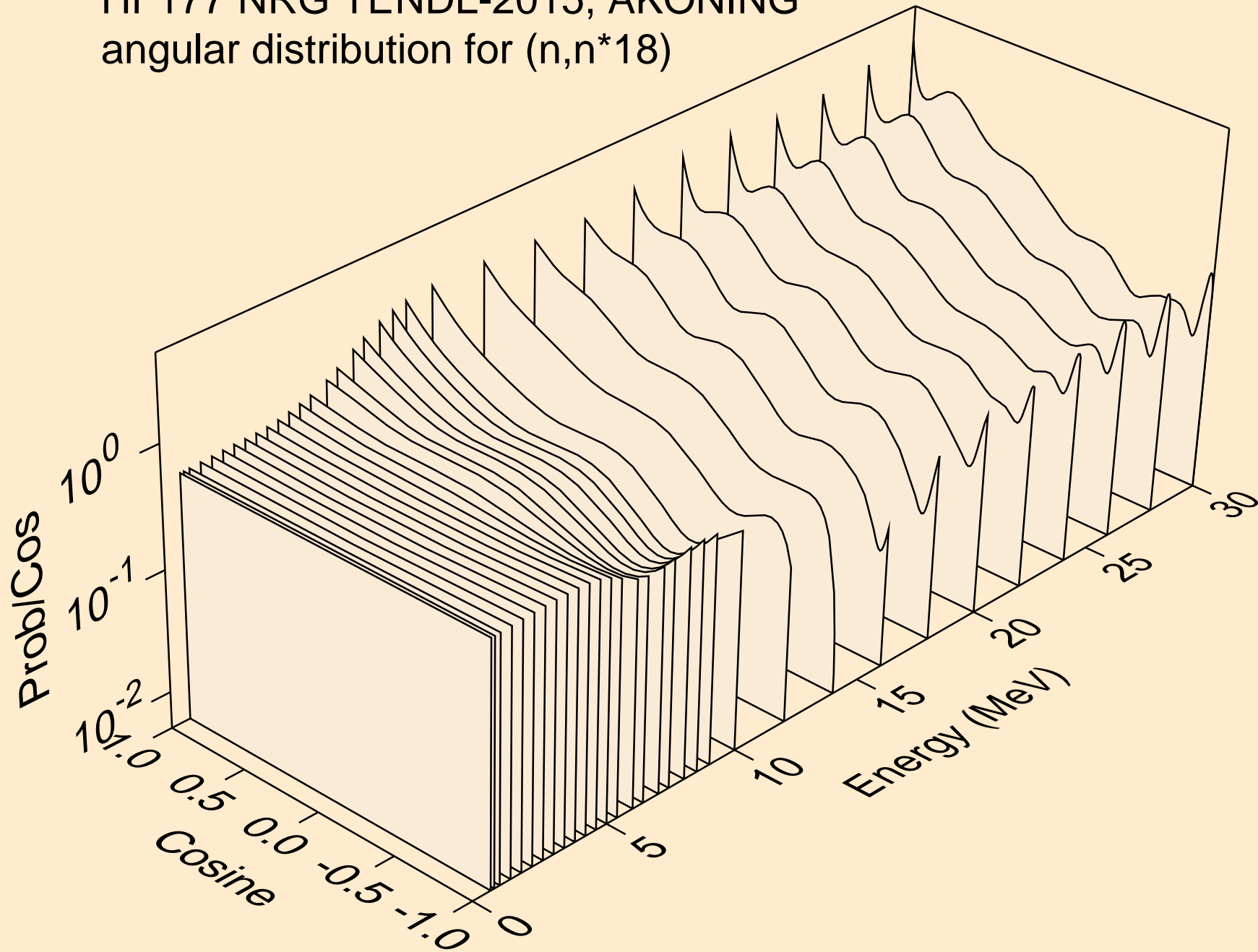
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



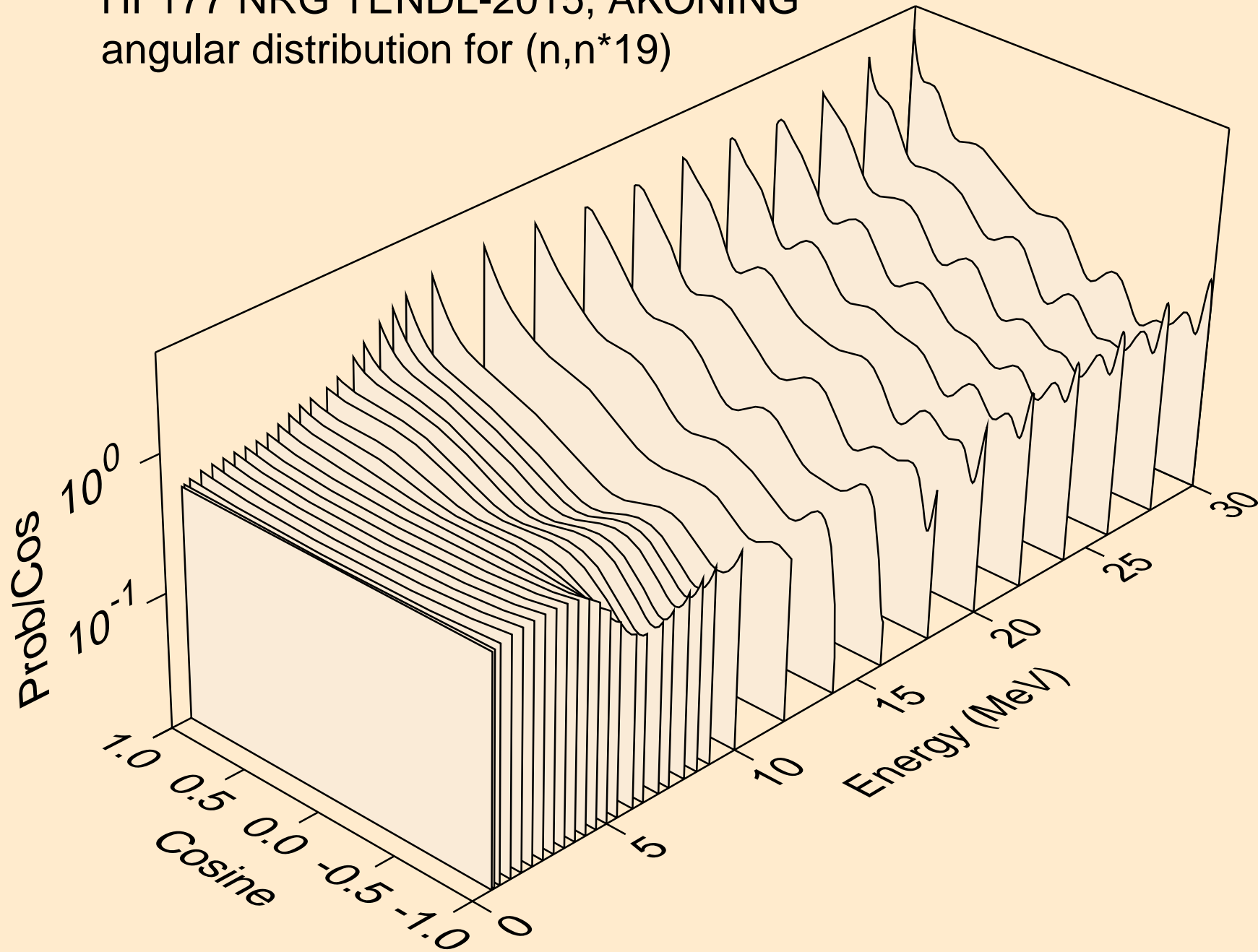
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



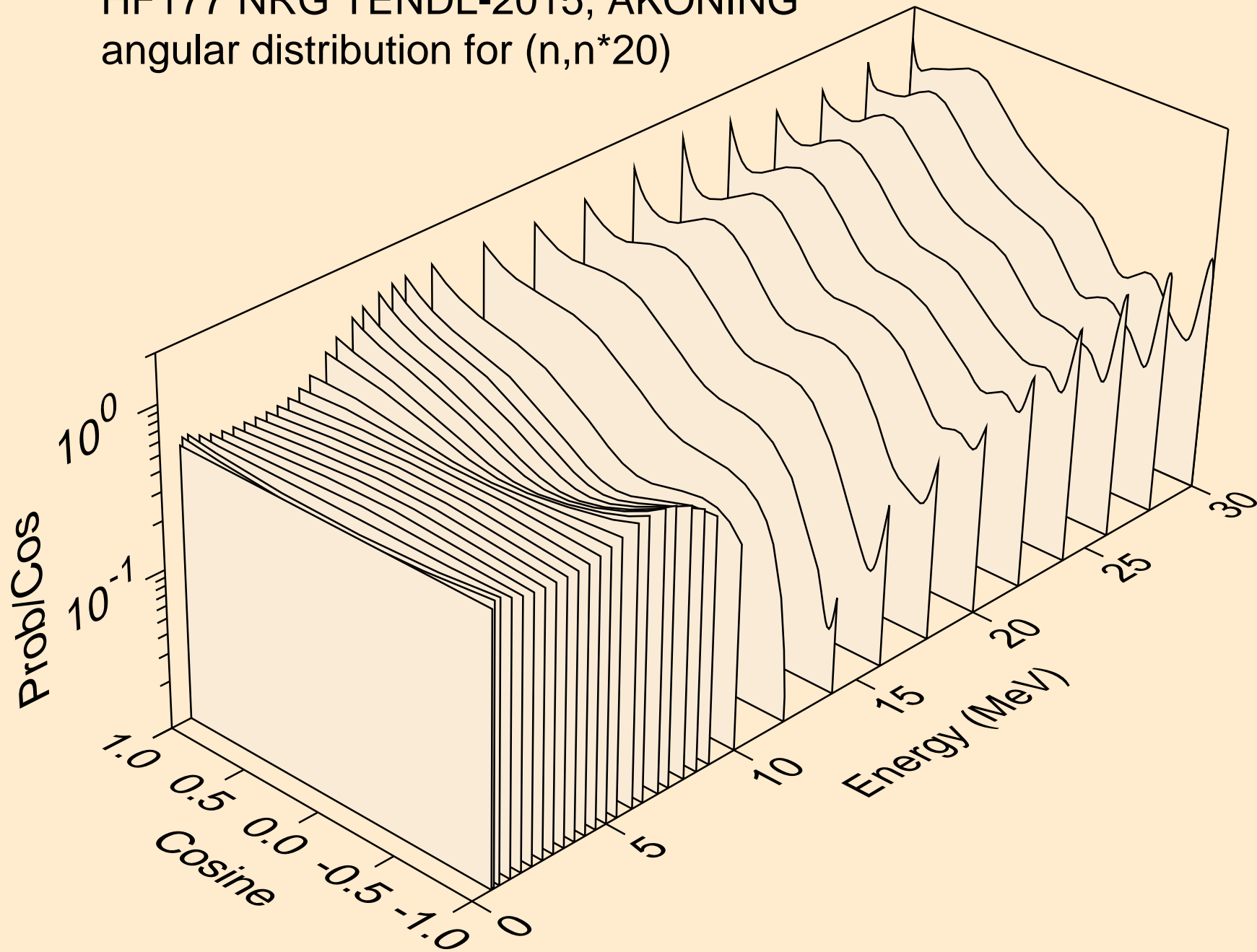
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)

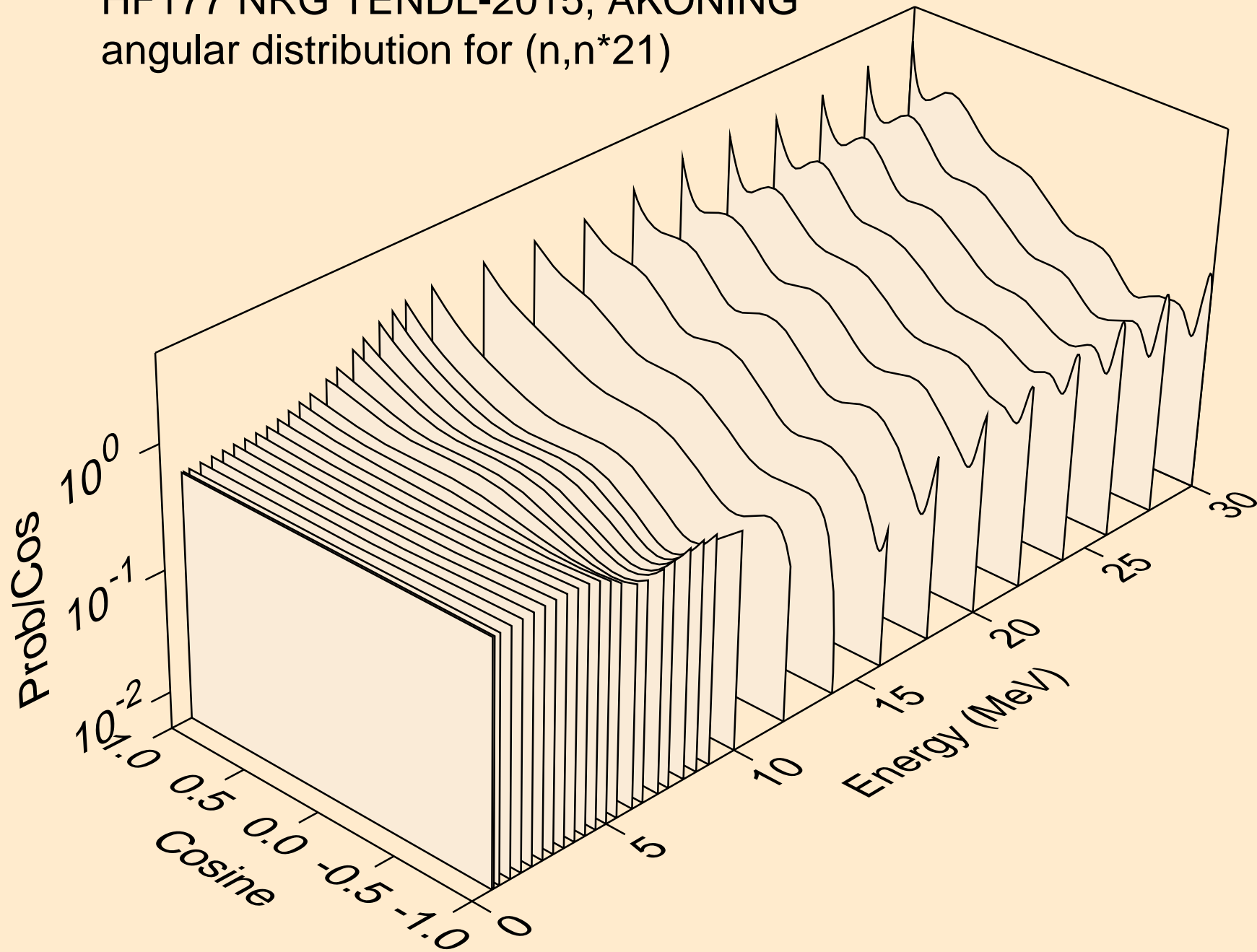


HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)

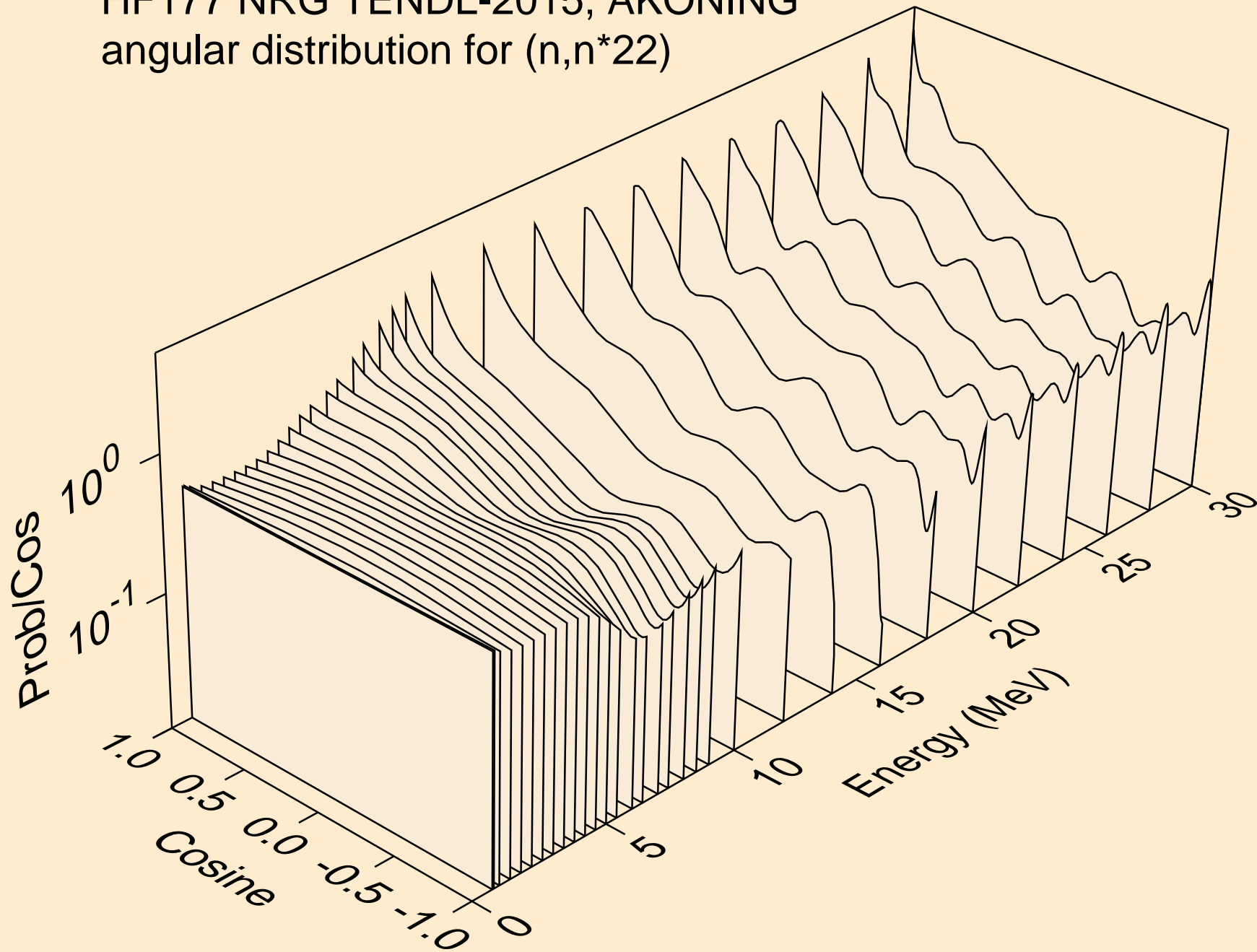




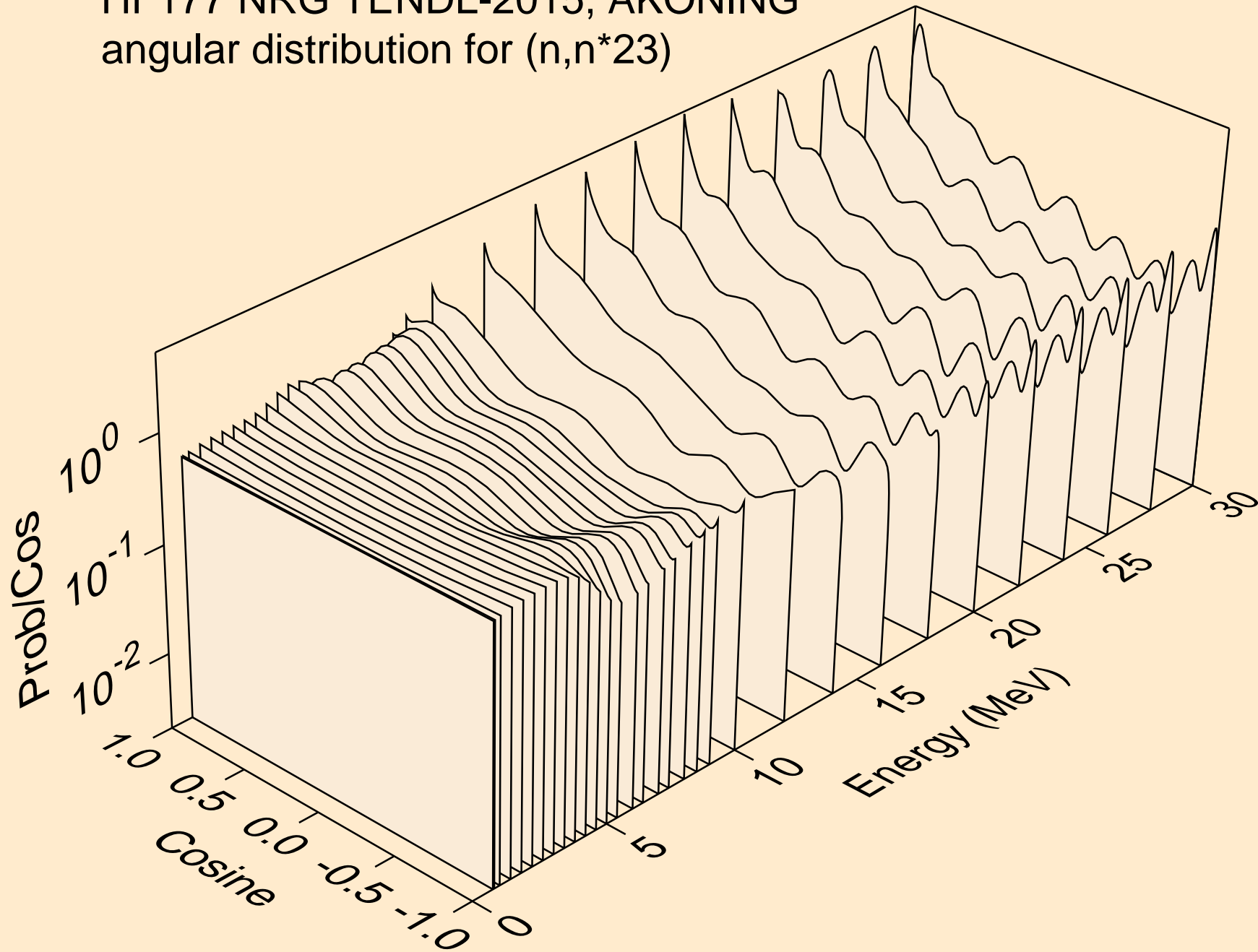
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



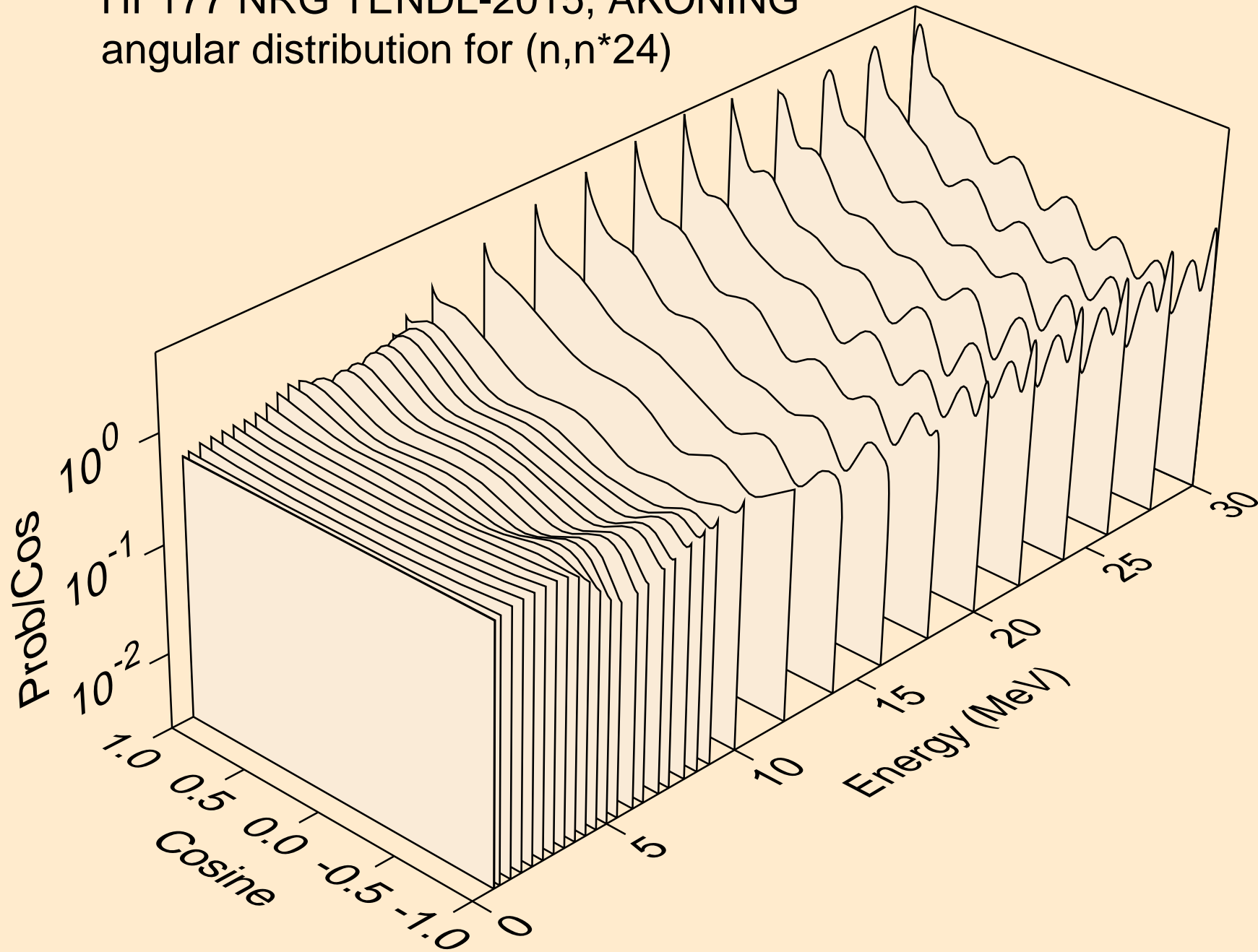
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



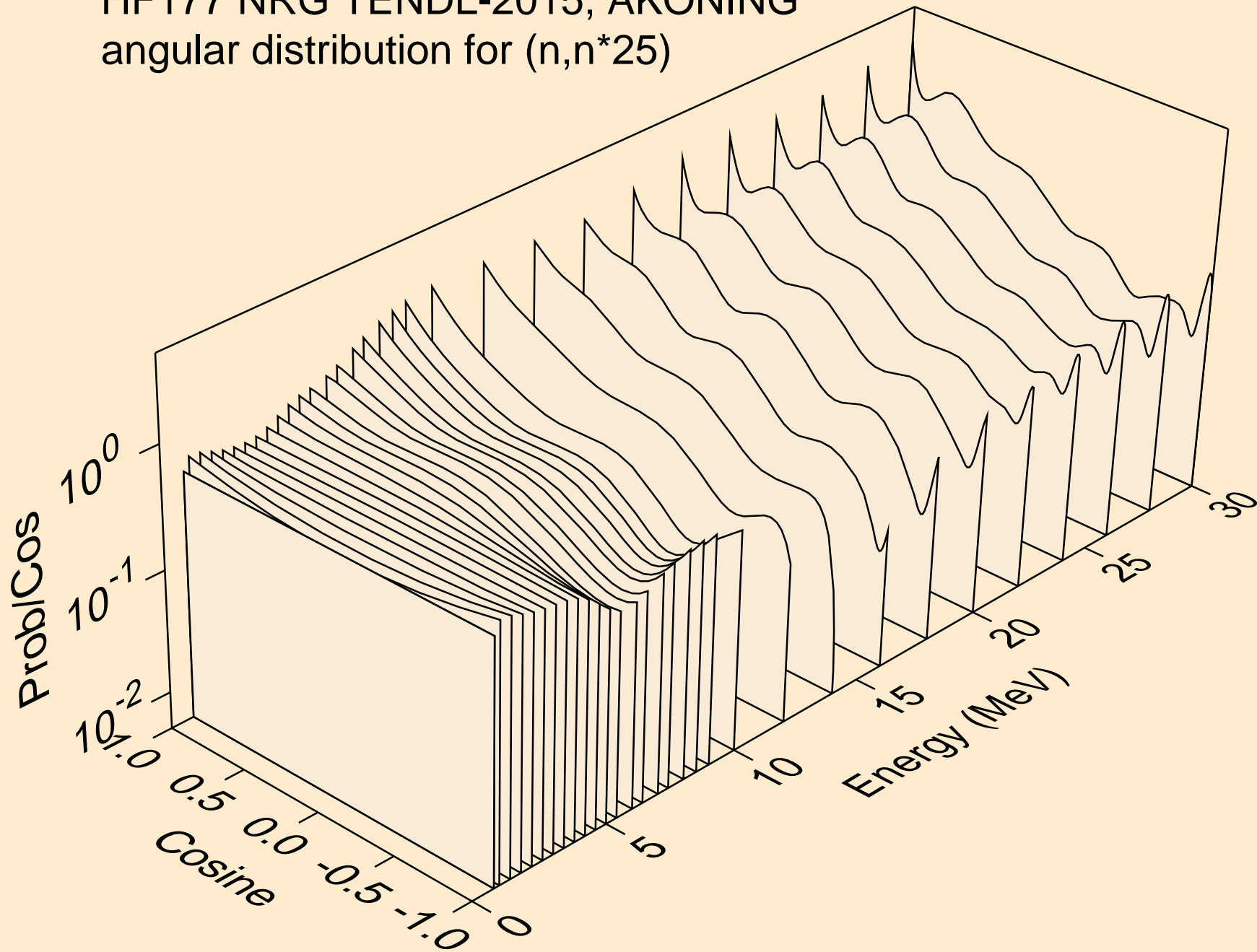
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



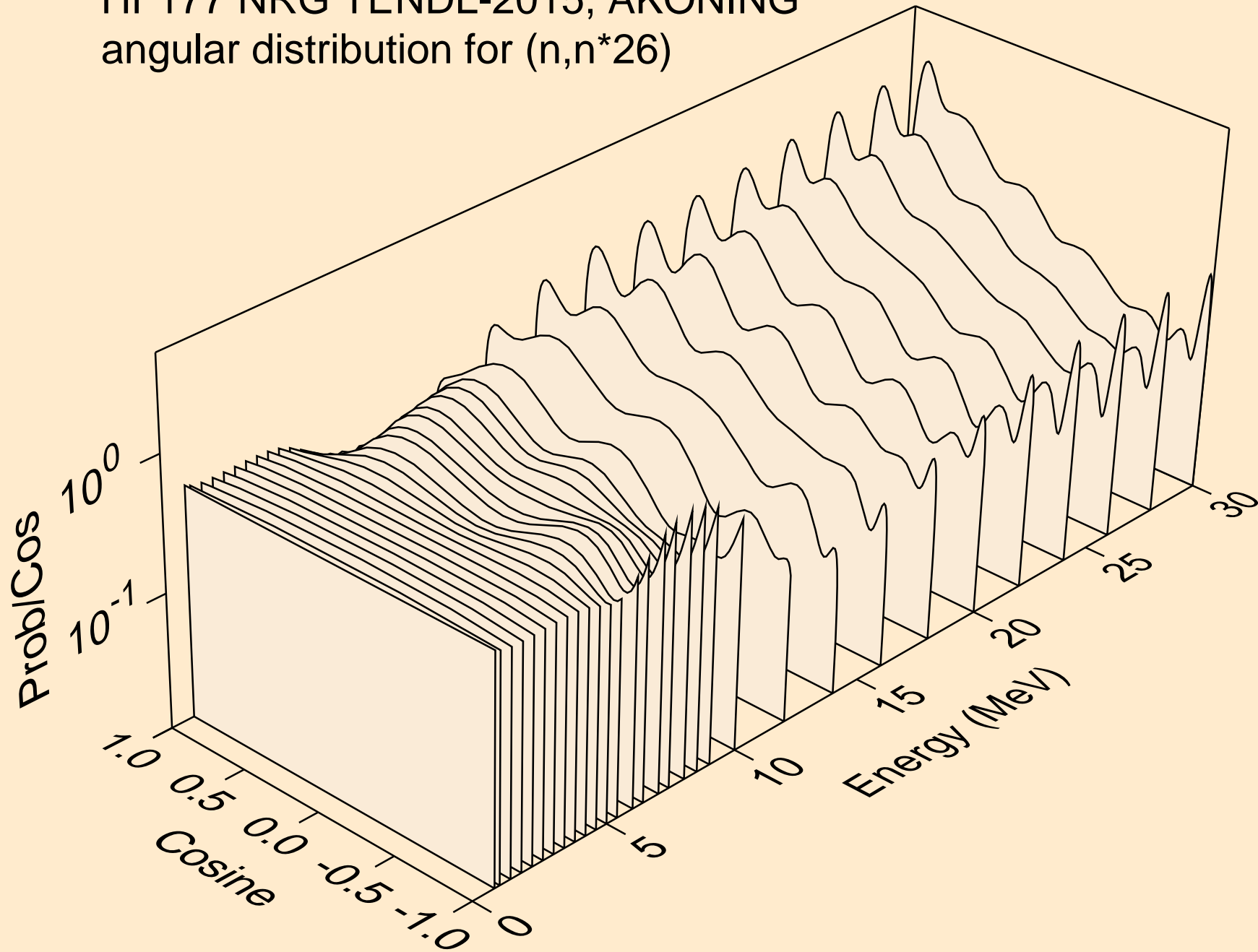
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



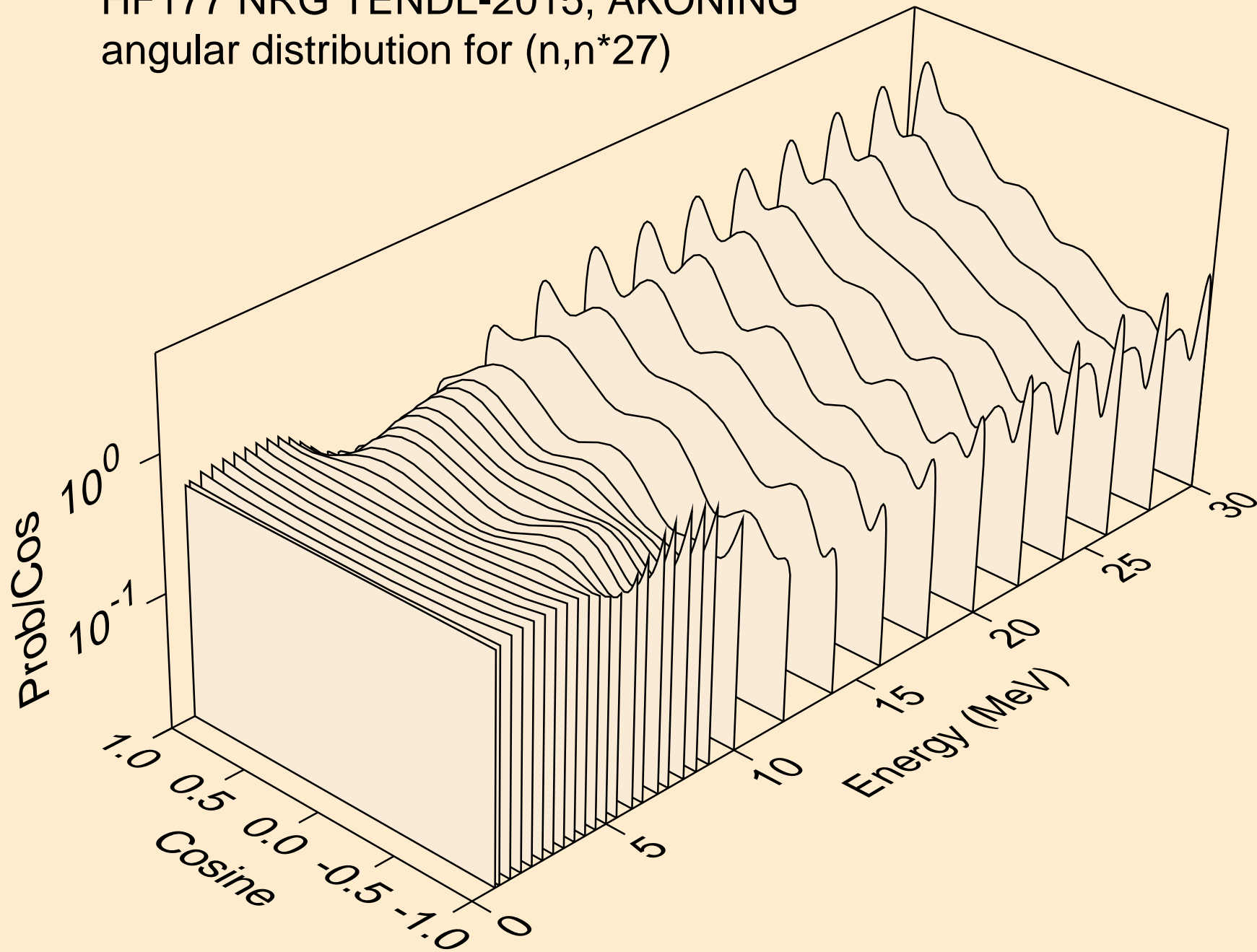
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



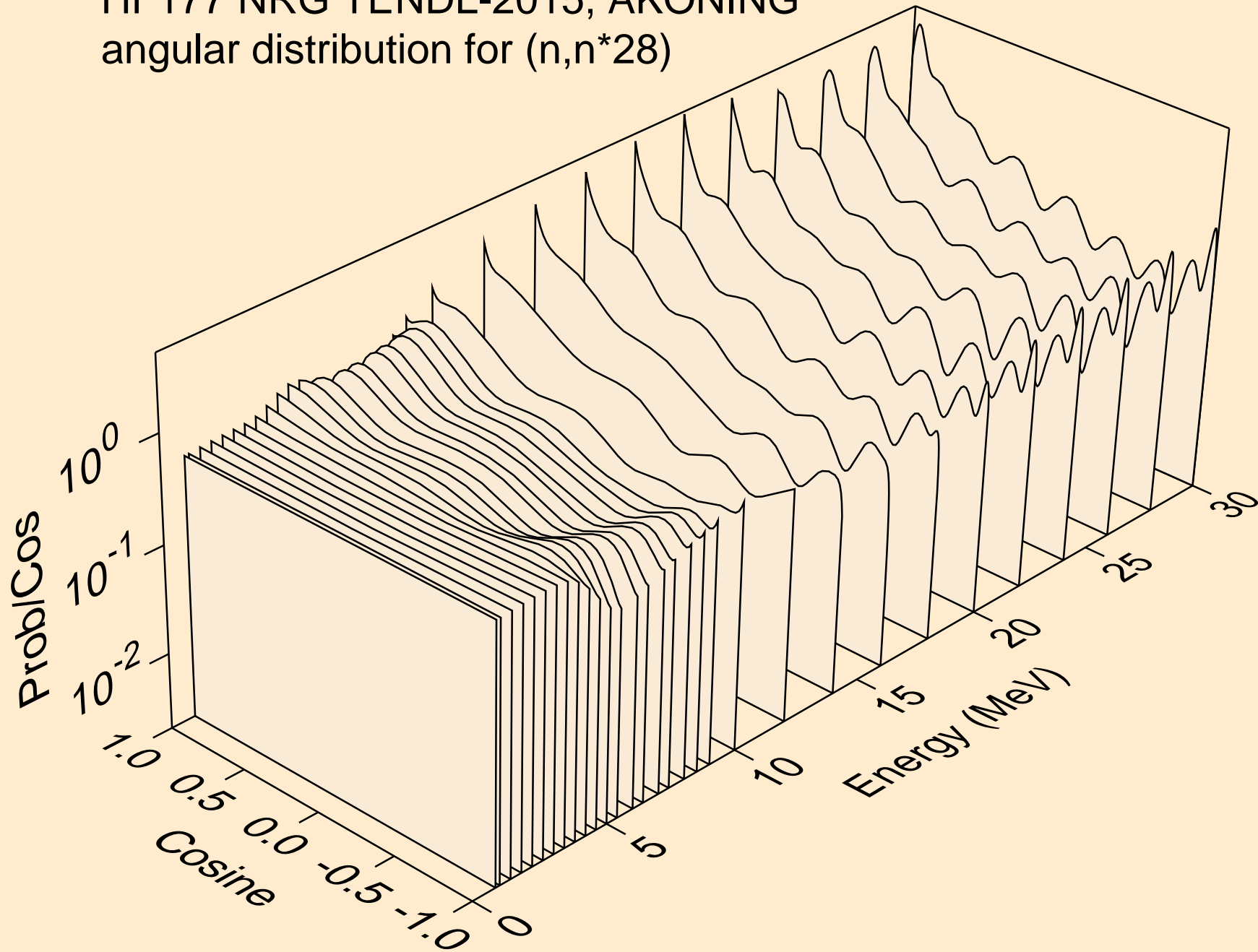
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)

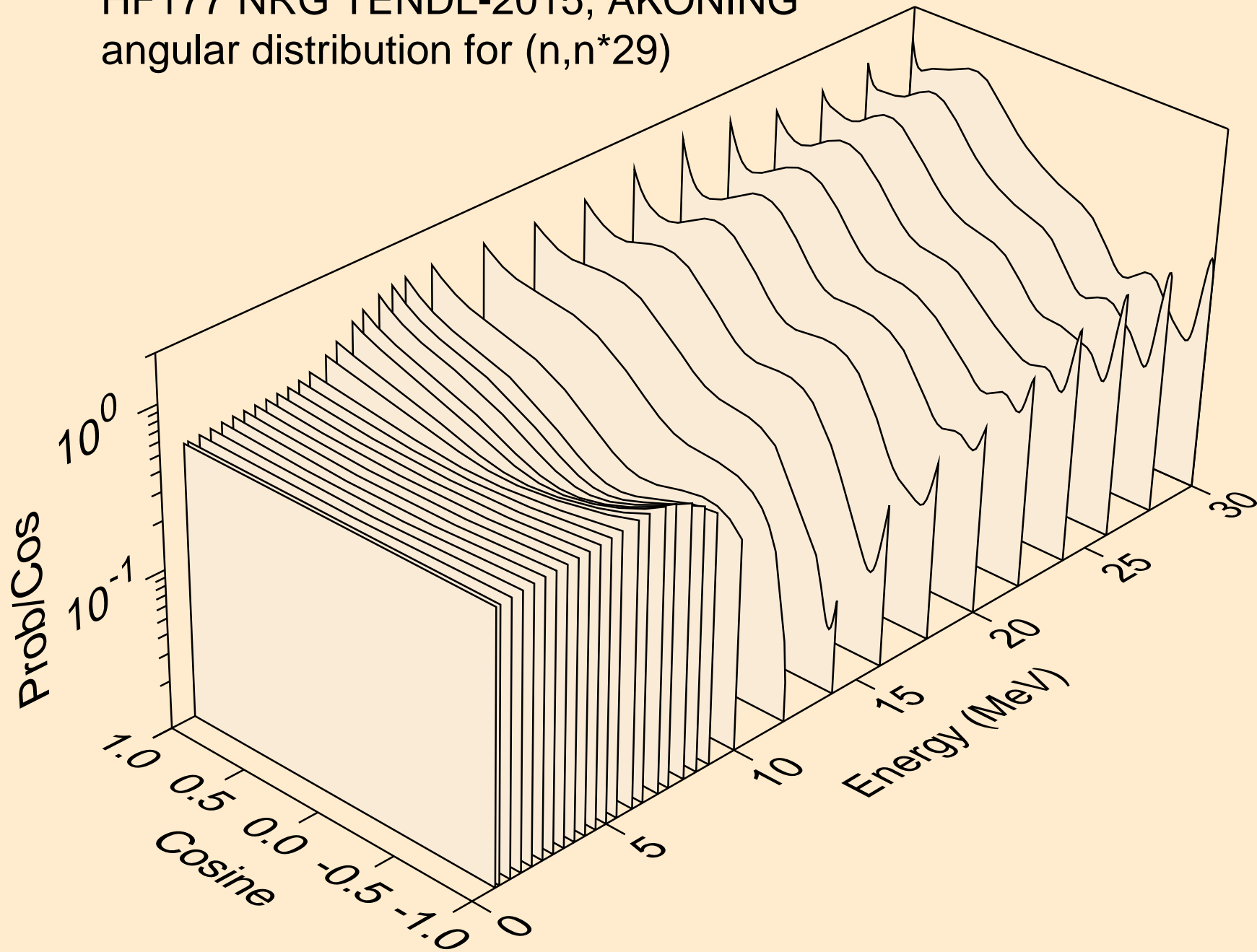


HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)

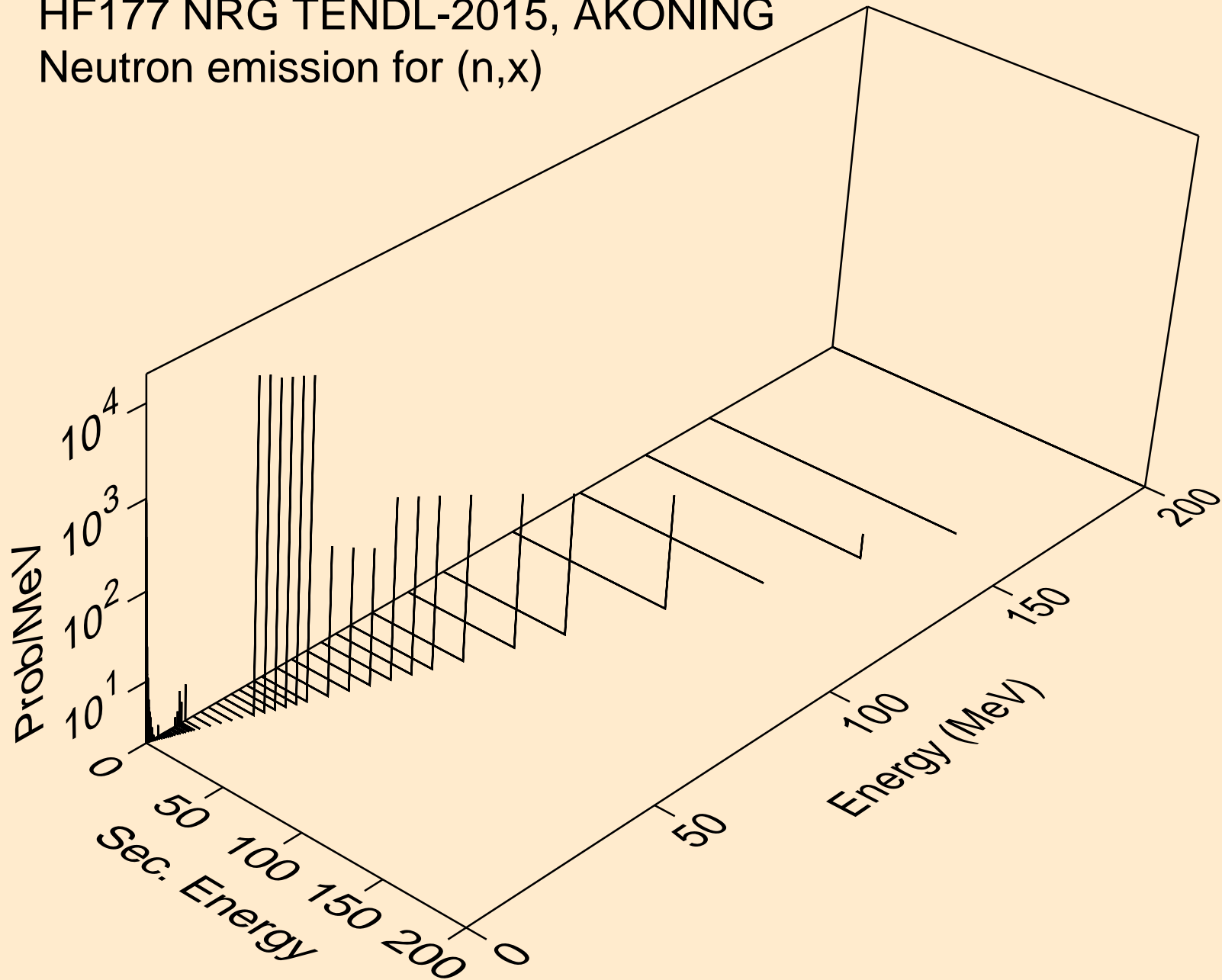




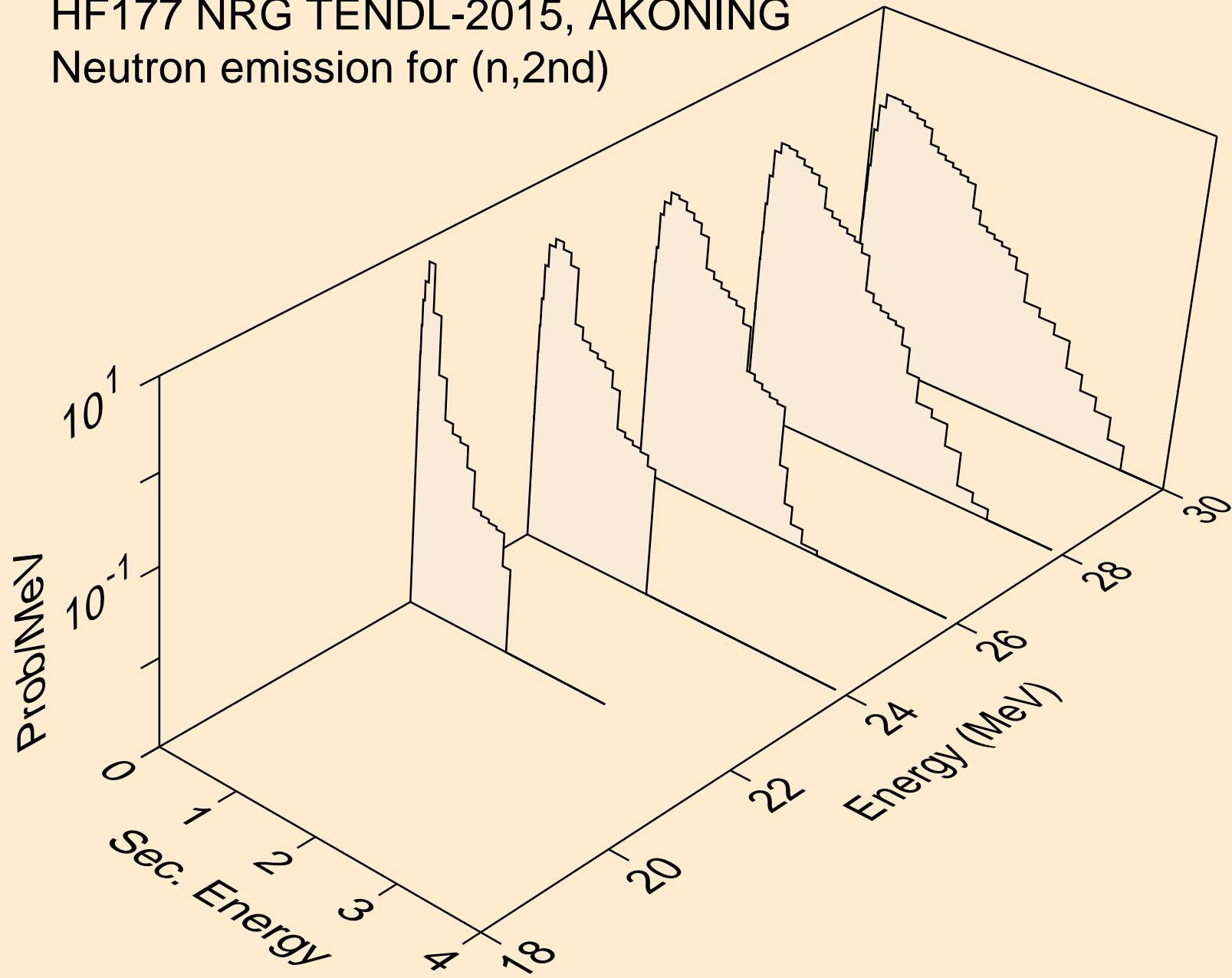
HF177 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)



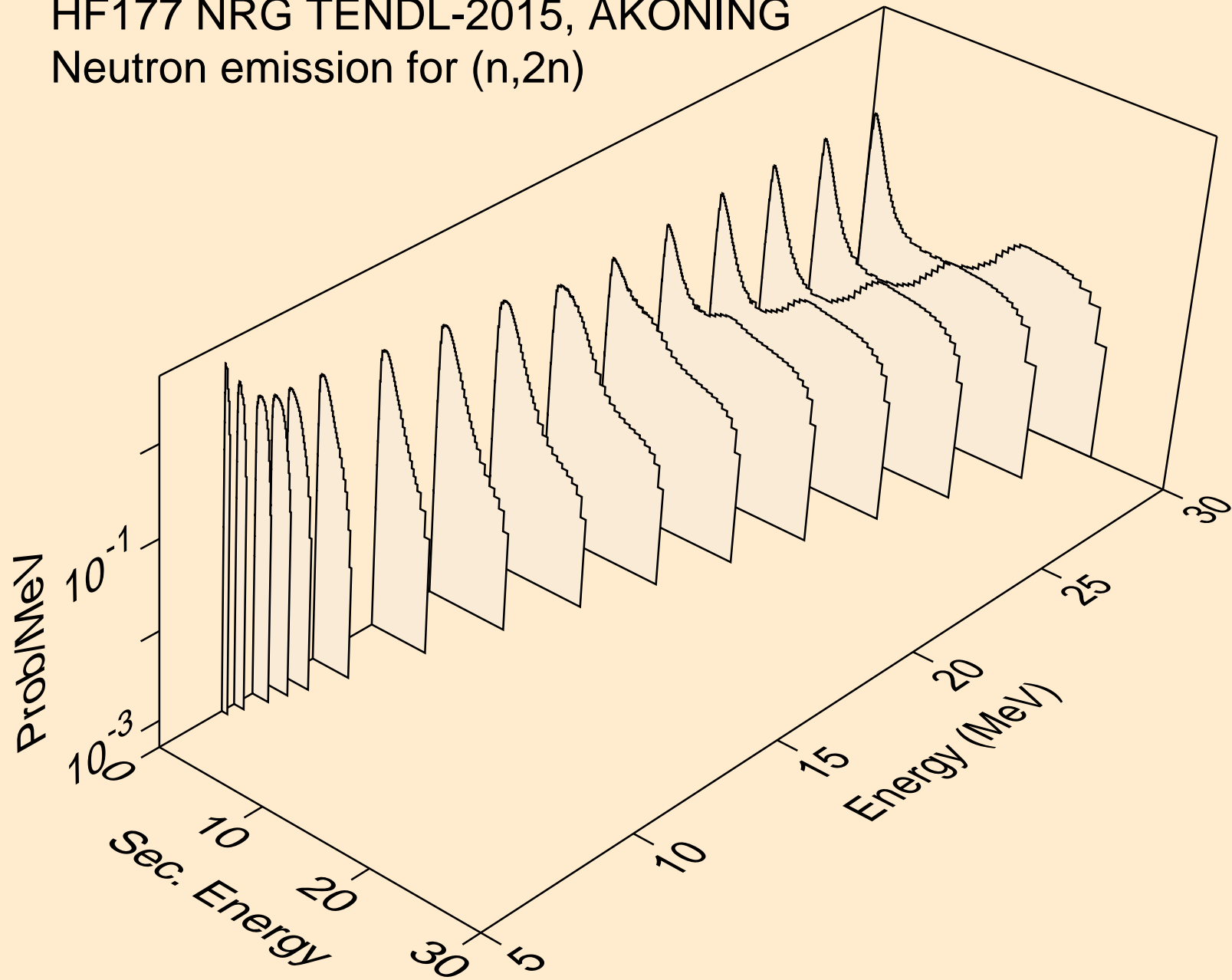
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



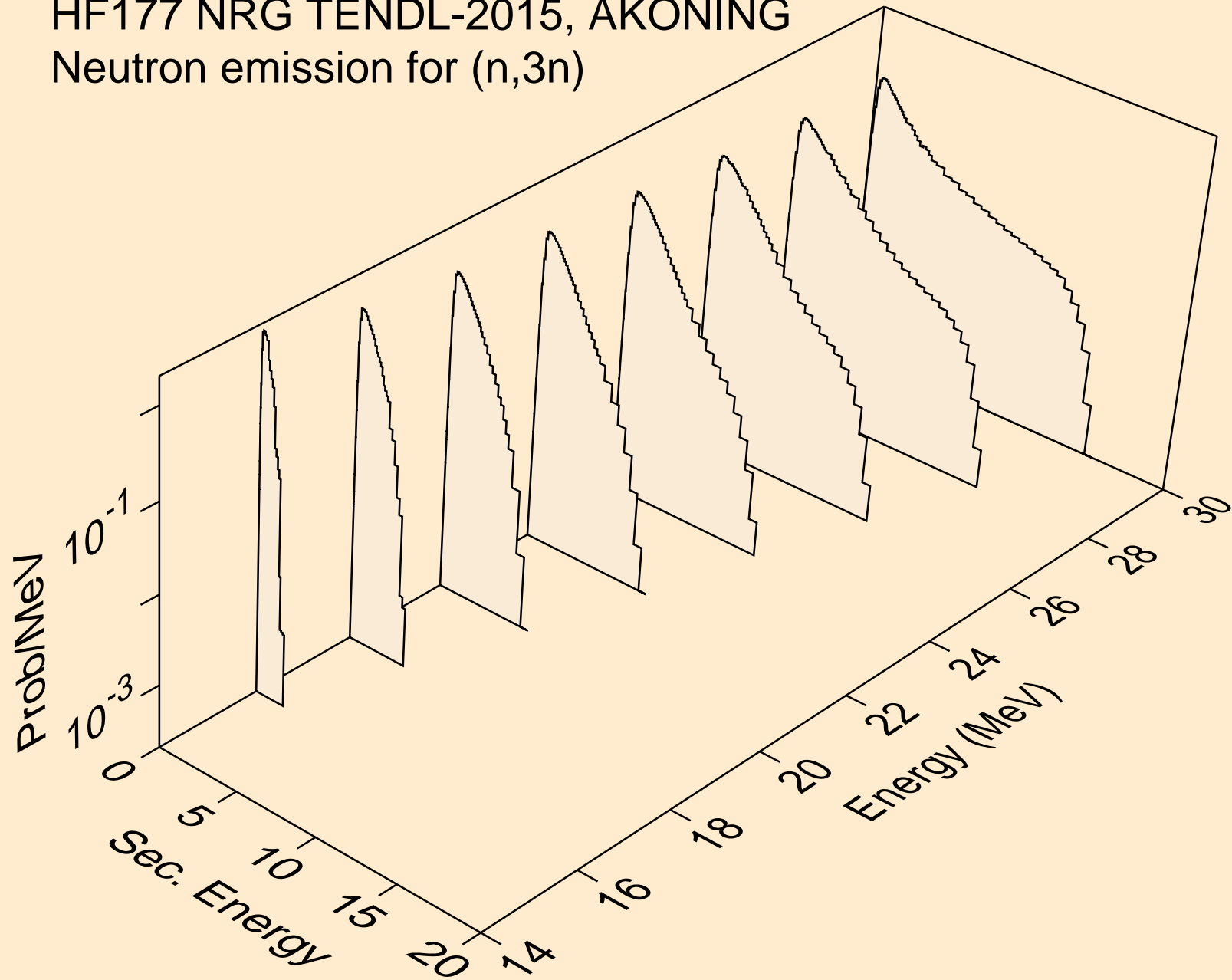
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



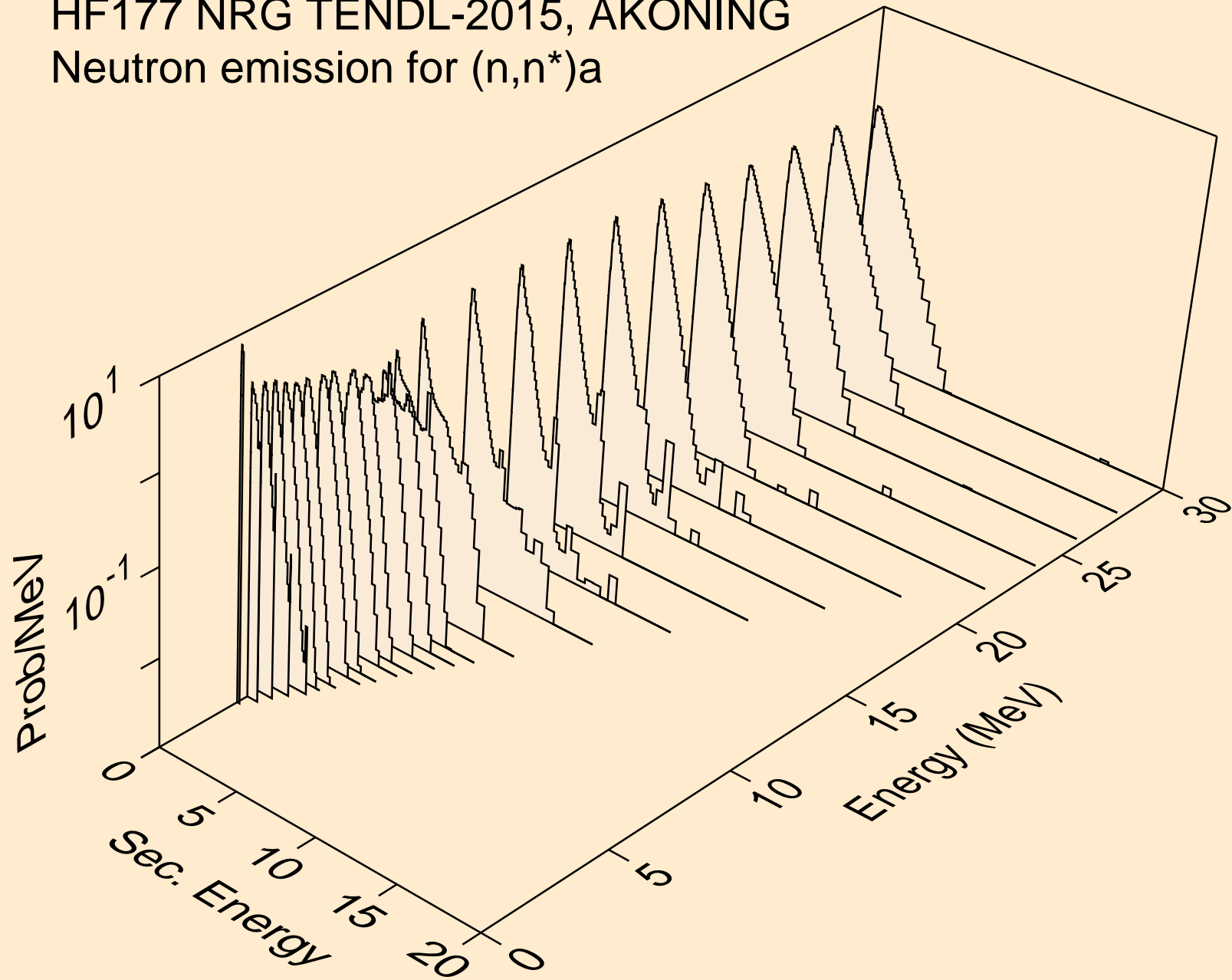
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



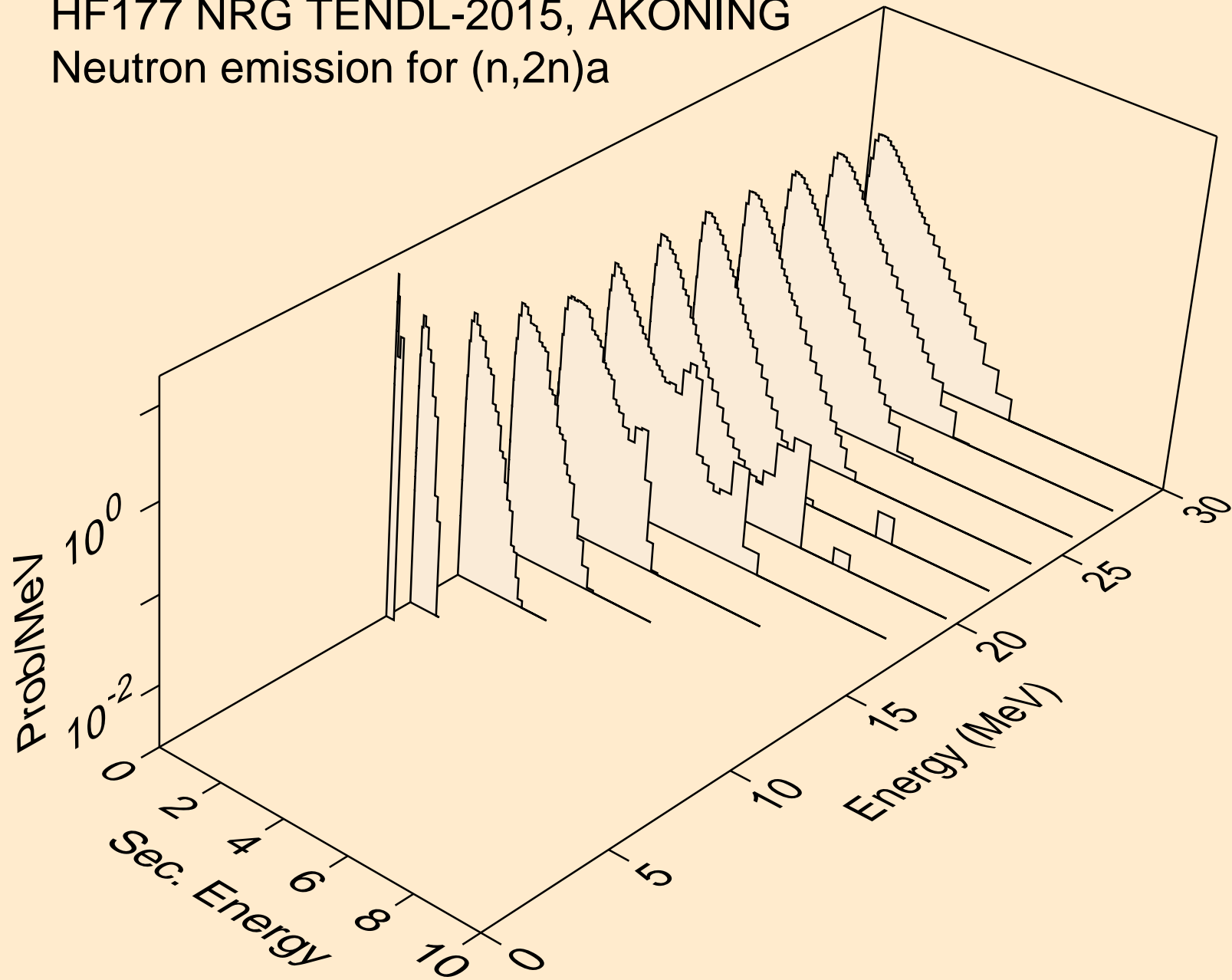
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



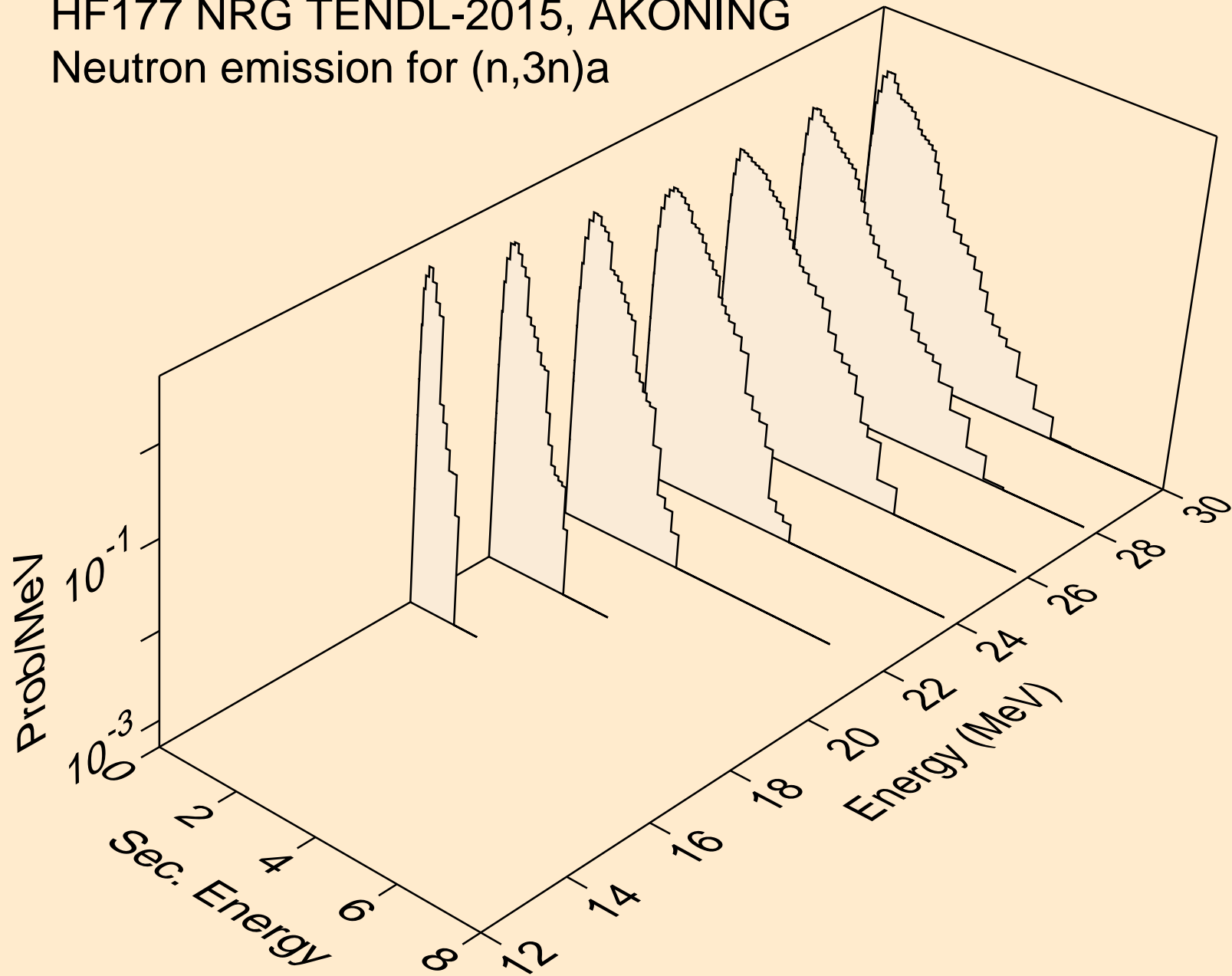
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

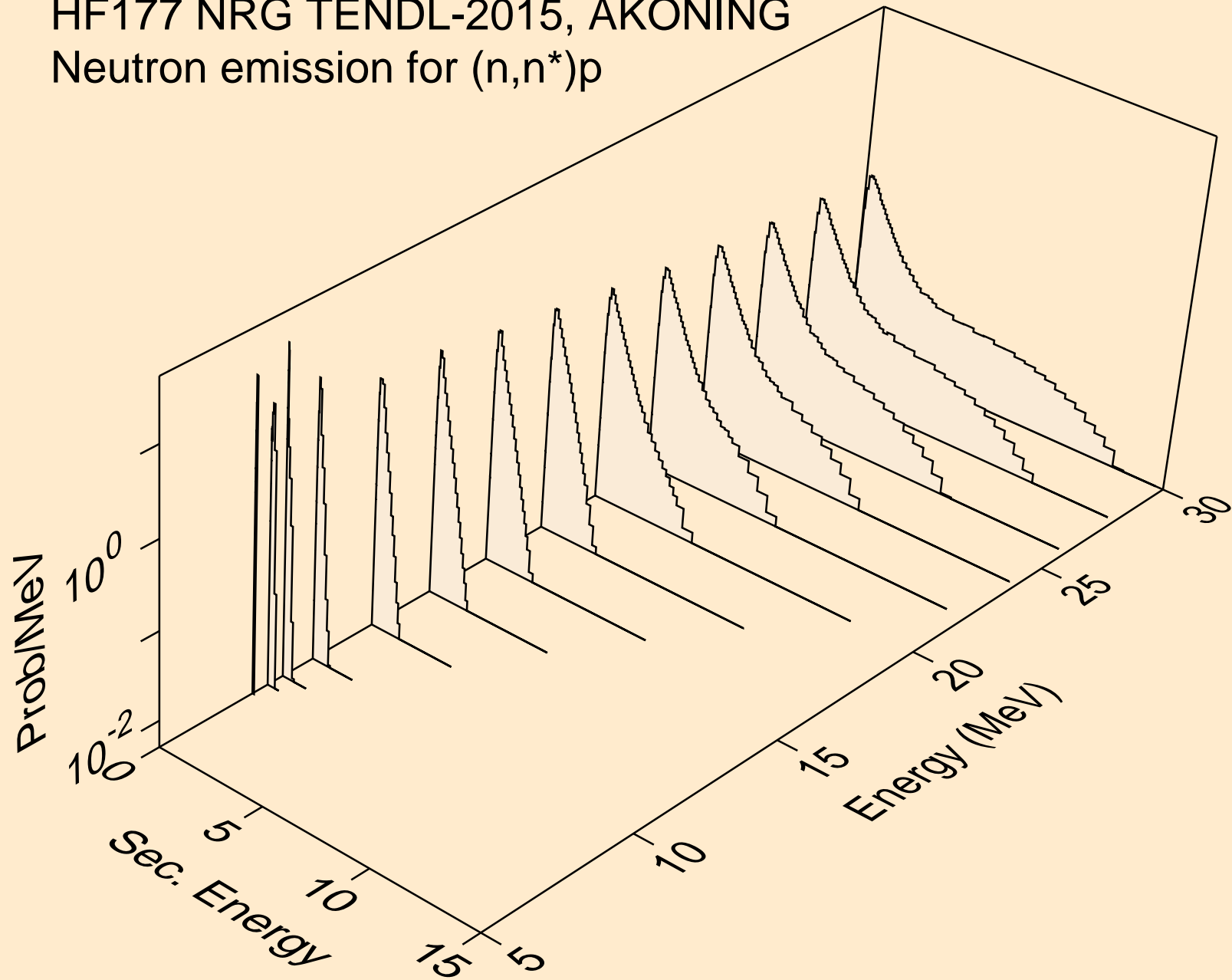


HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

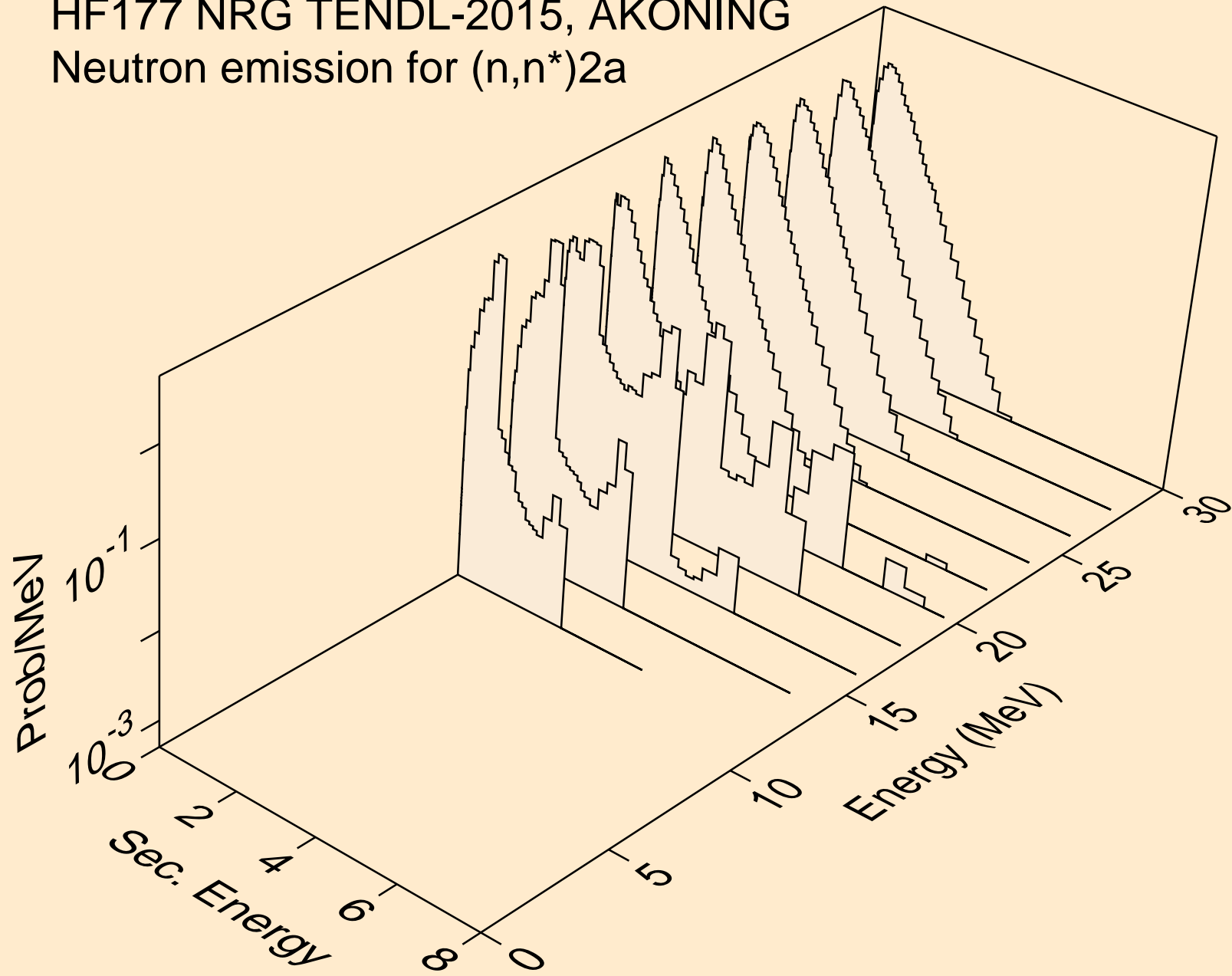




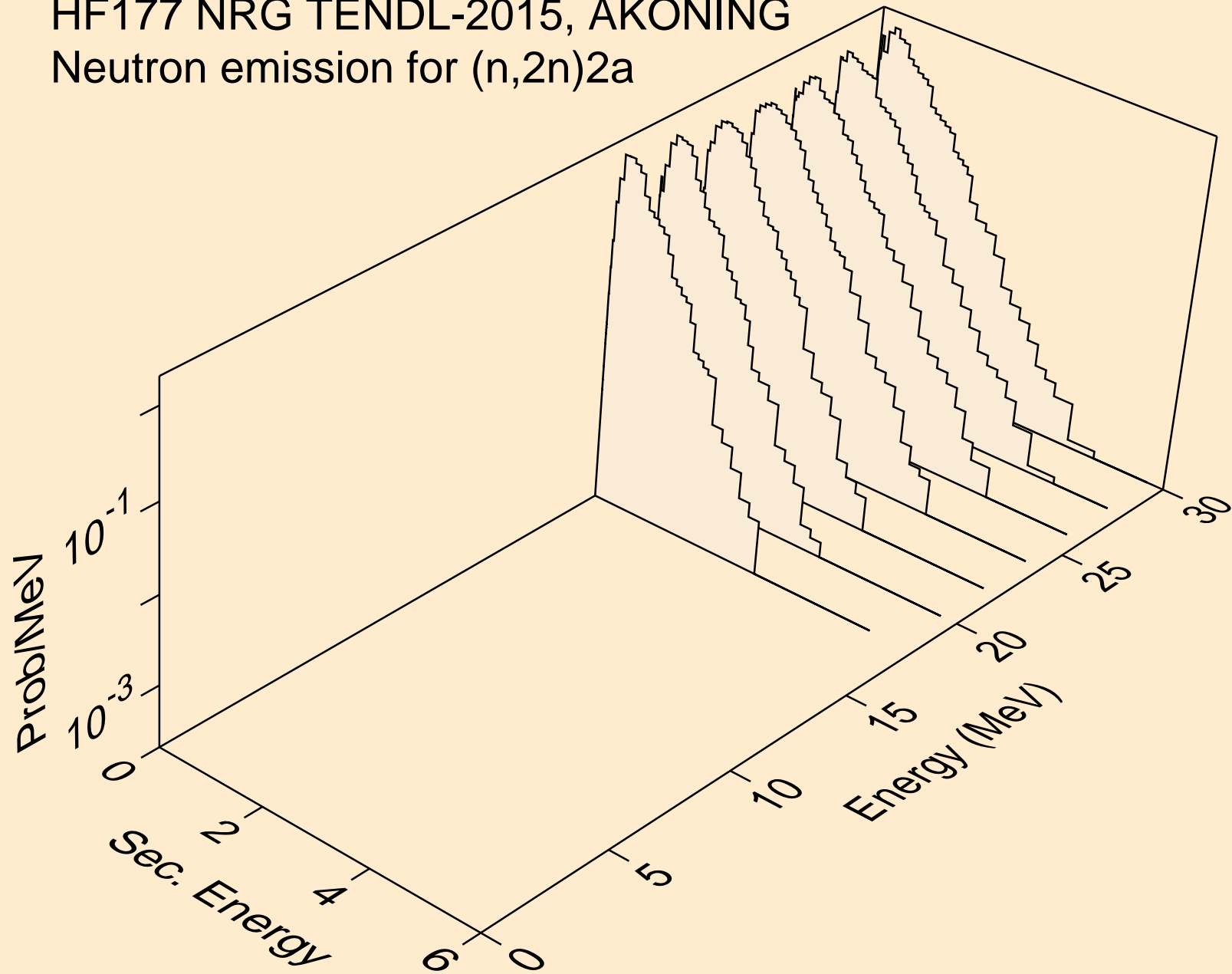
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



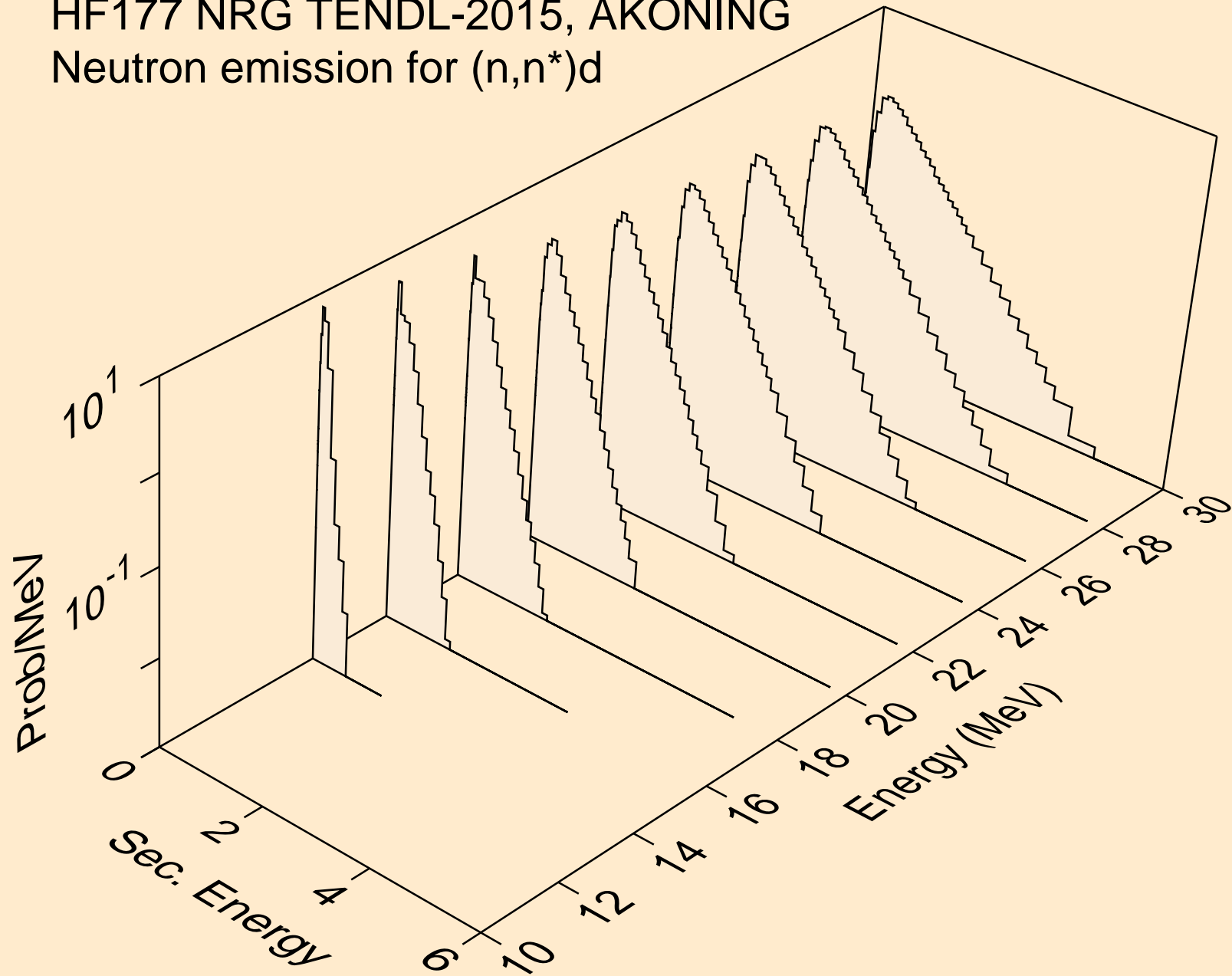
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



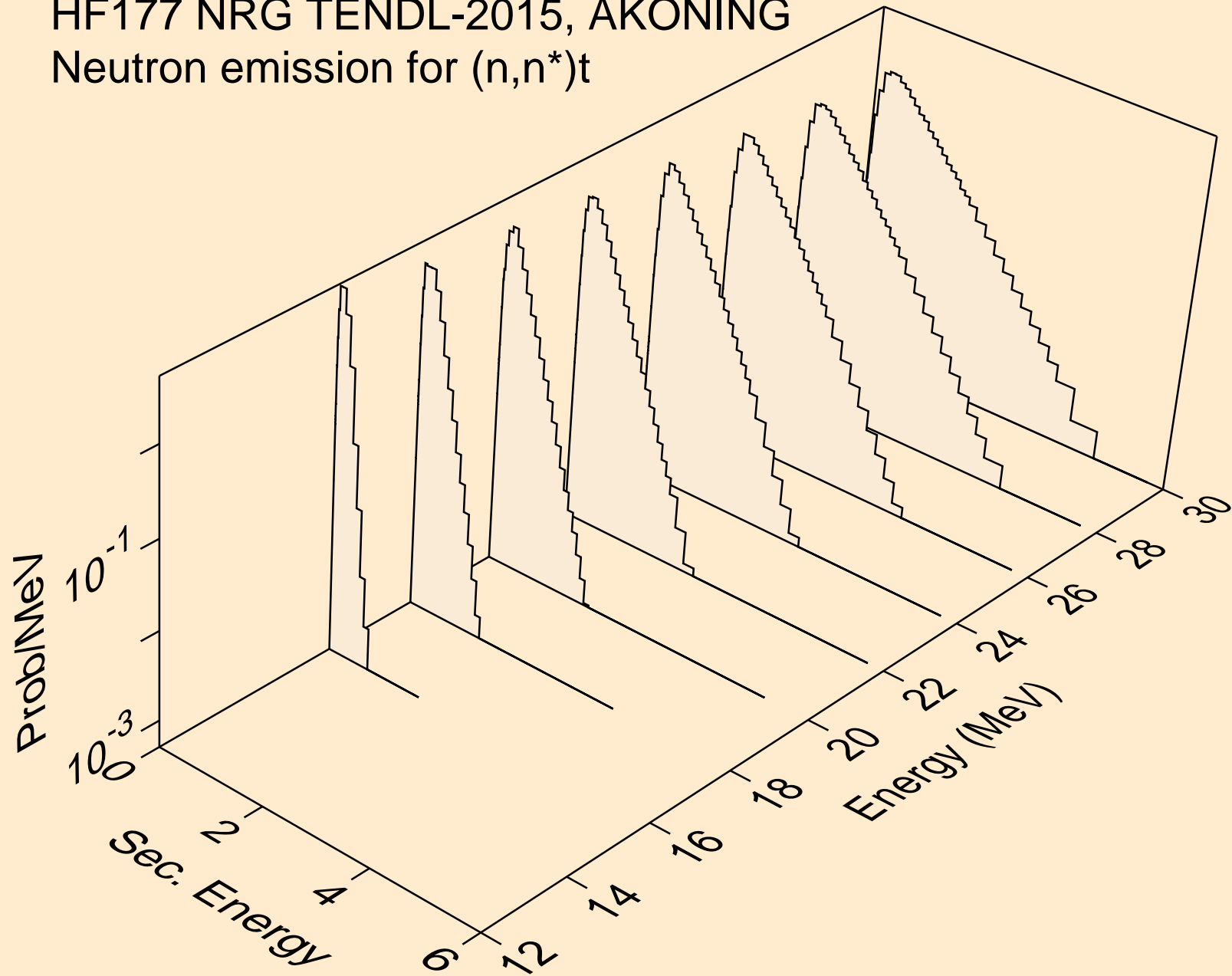
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



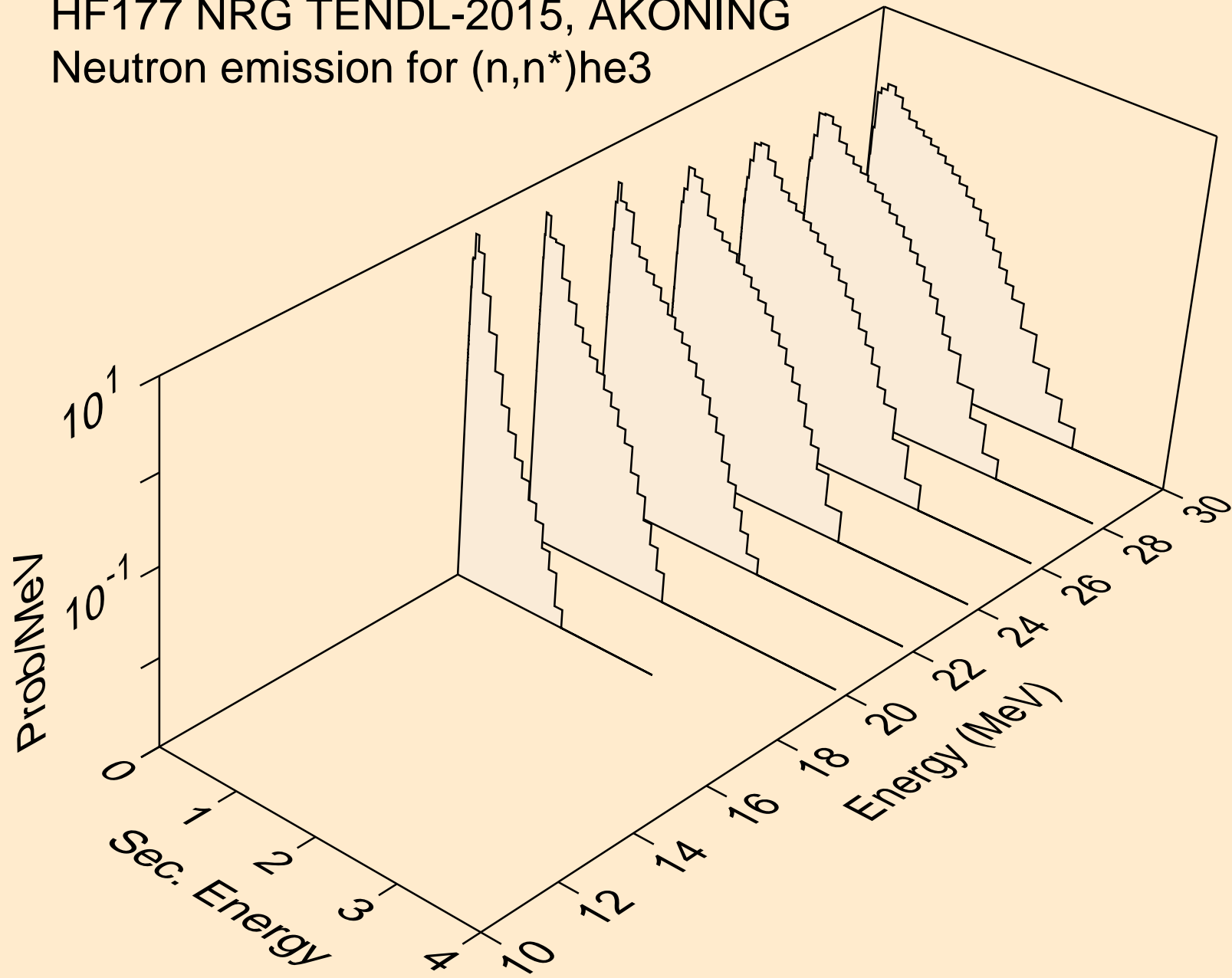
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



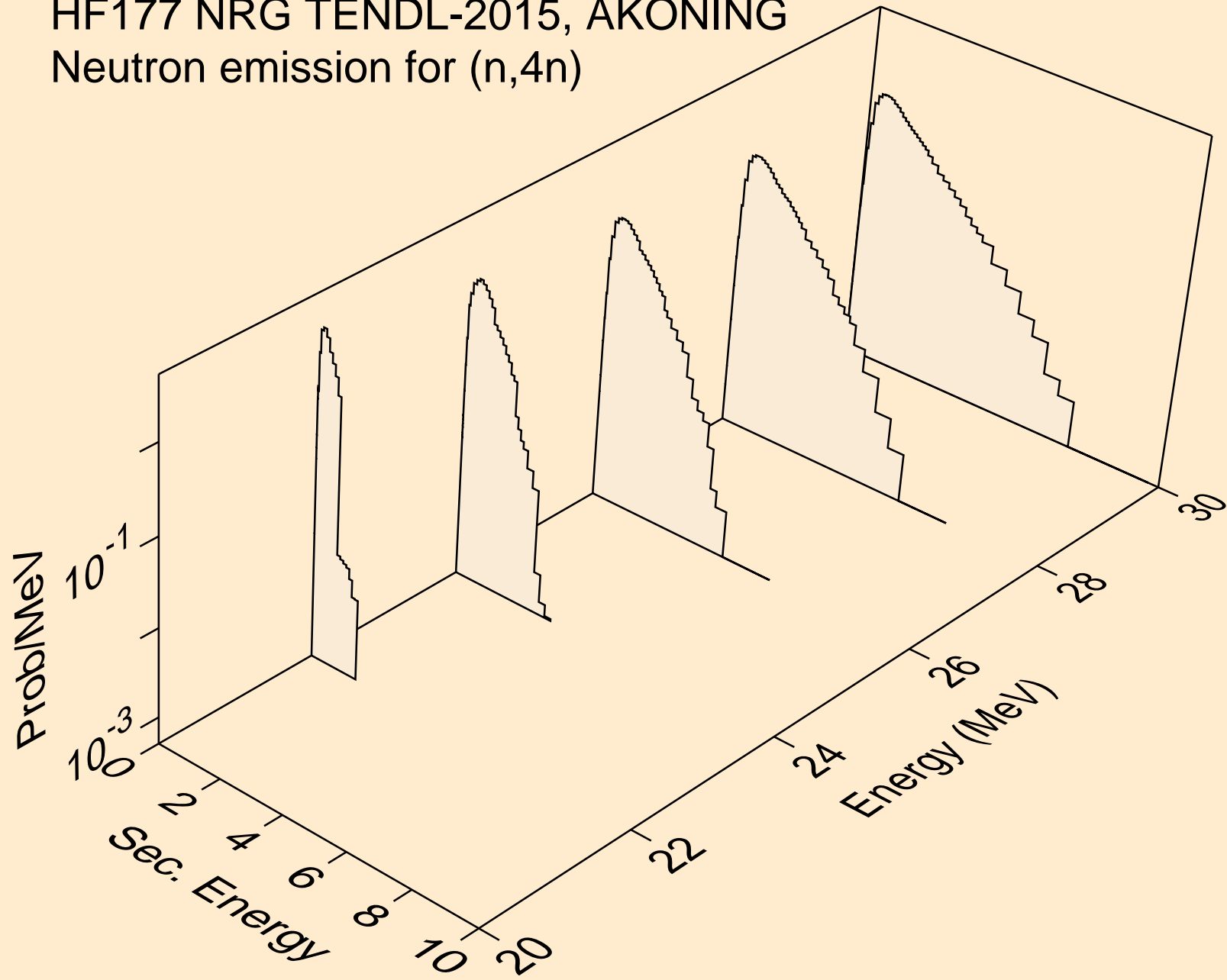
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



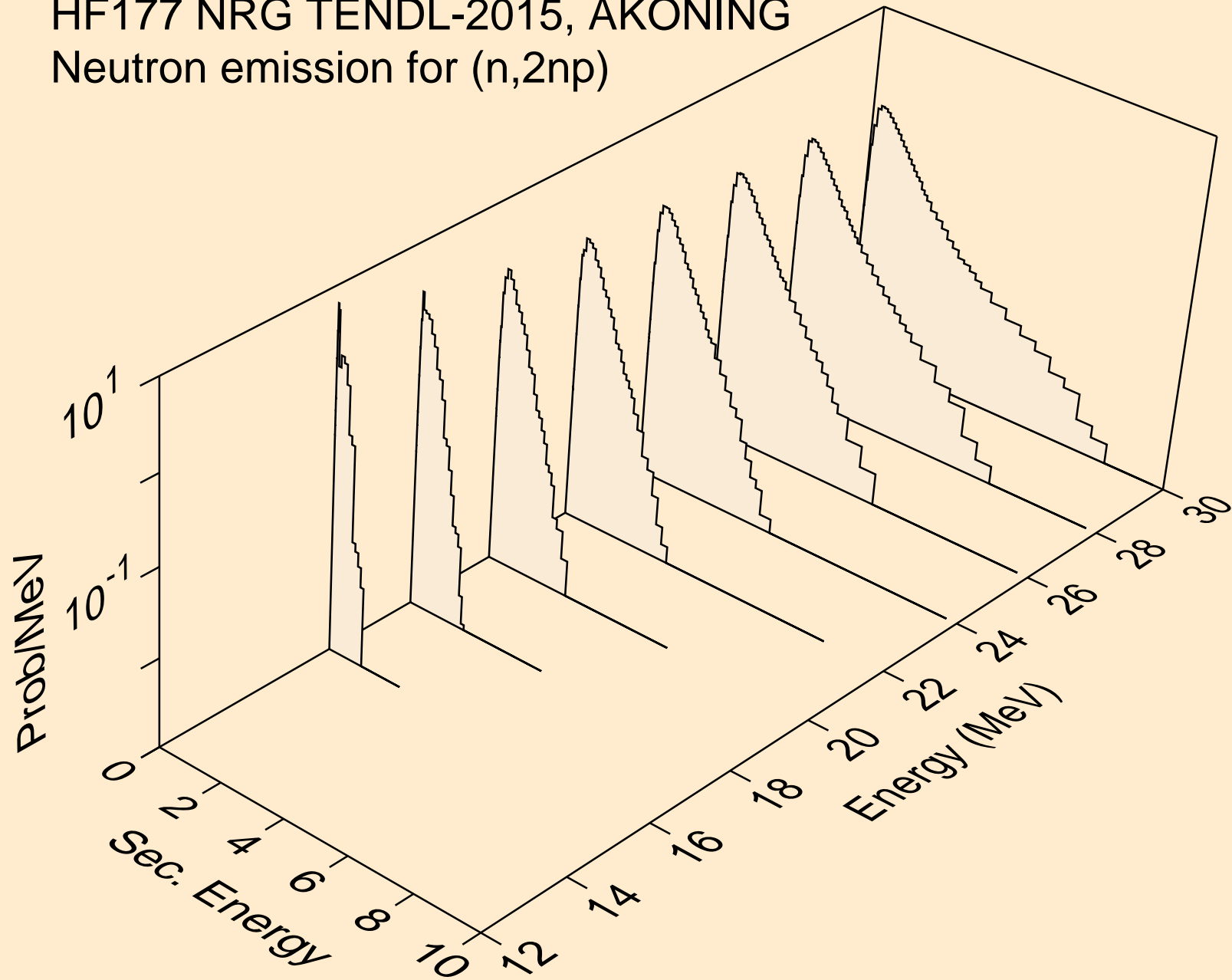
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

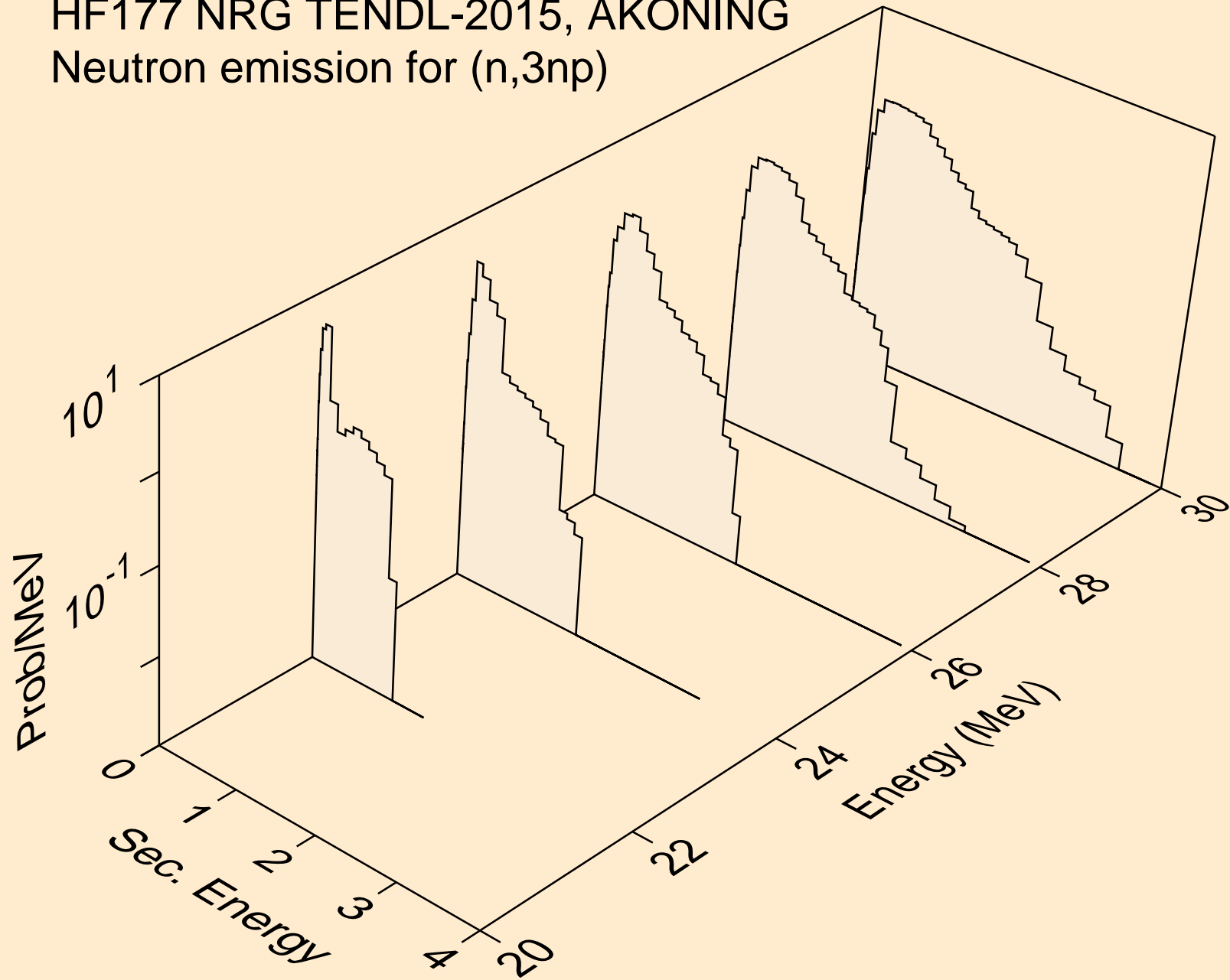


HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

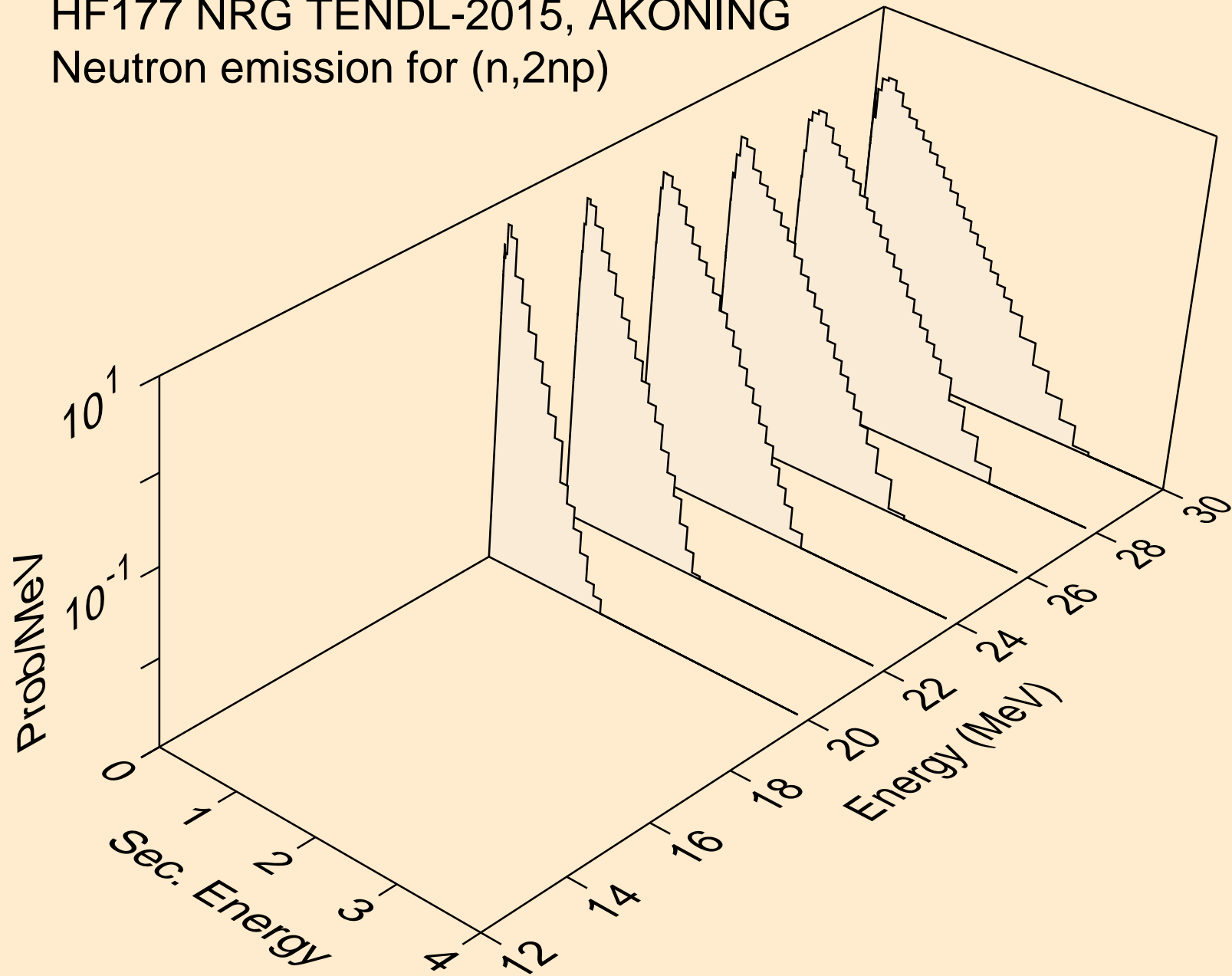




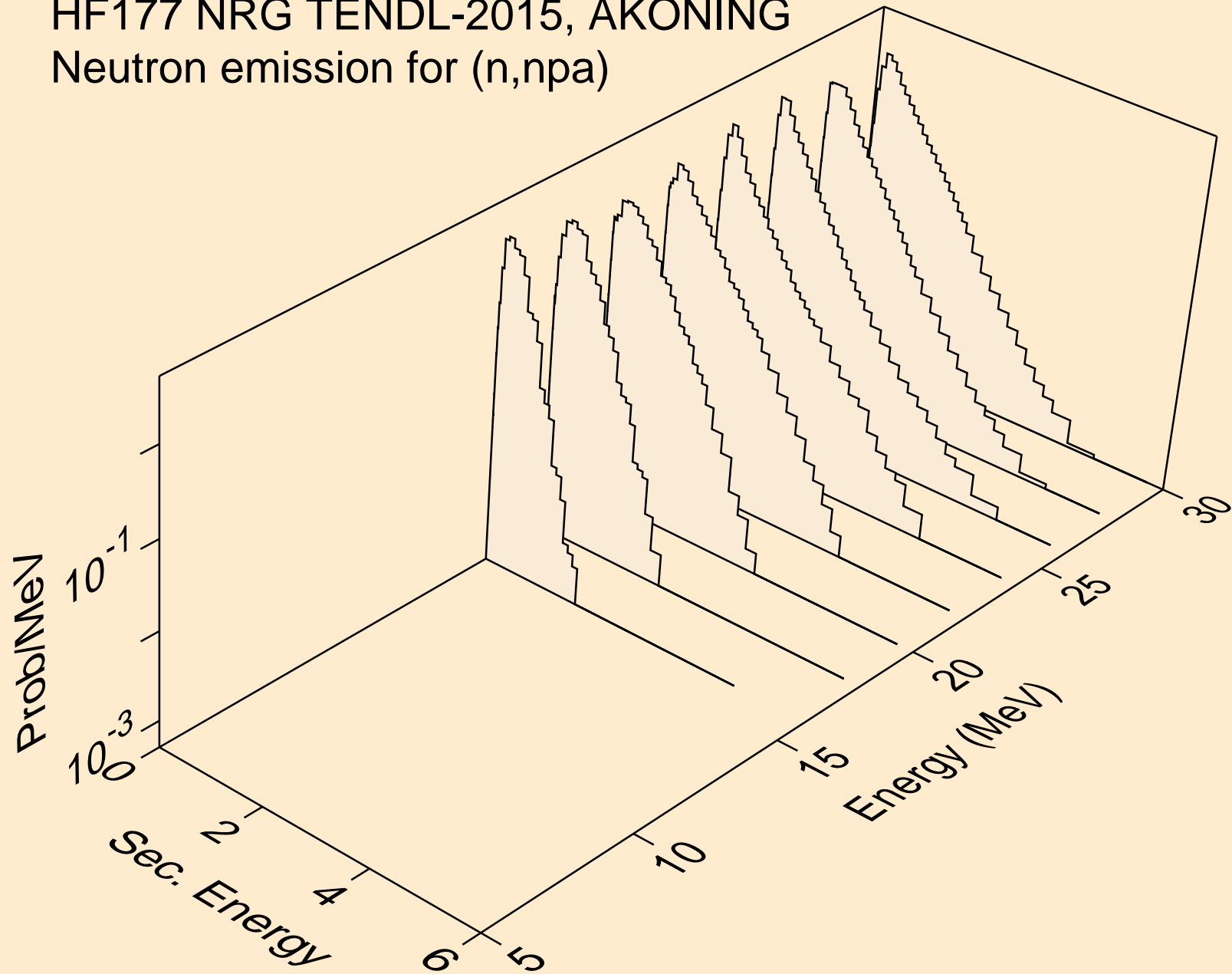
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



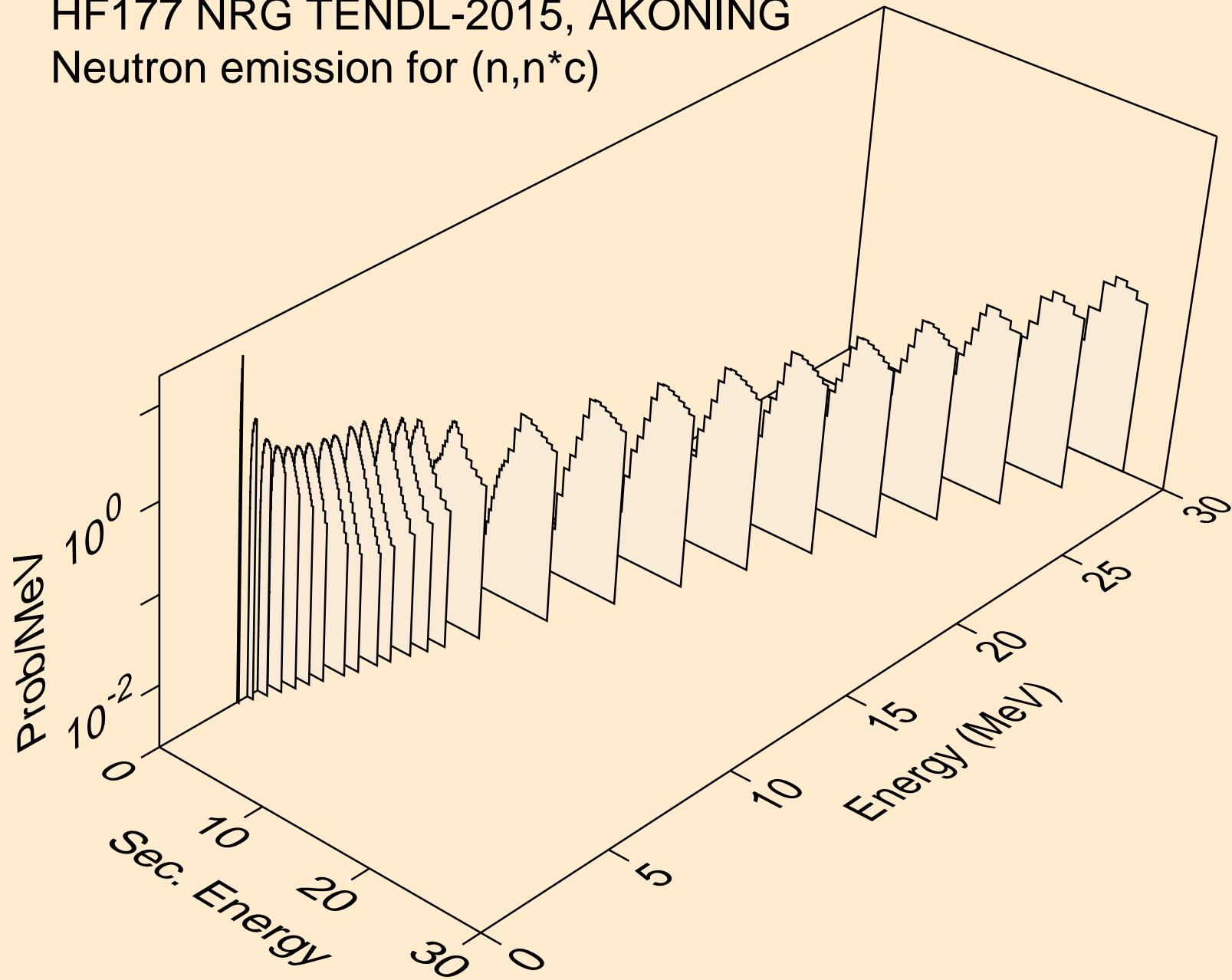
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



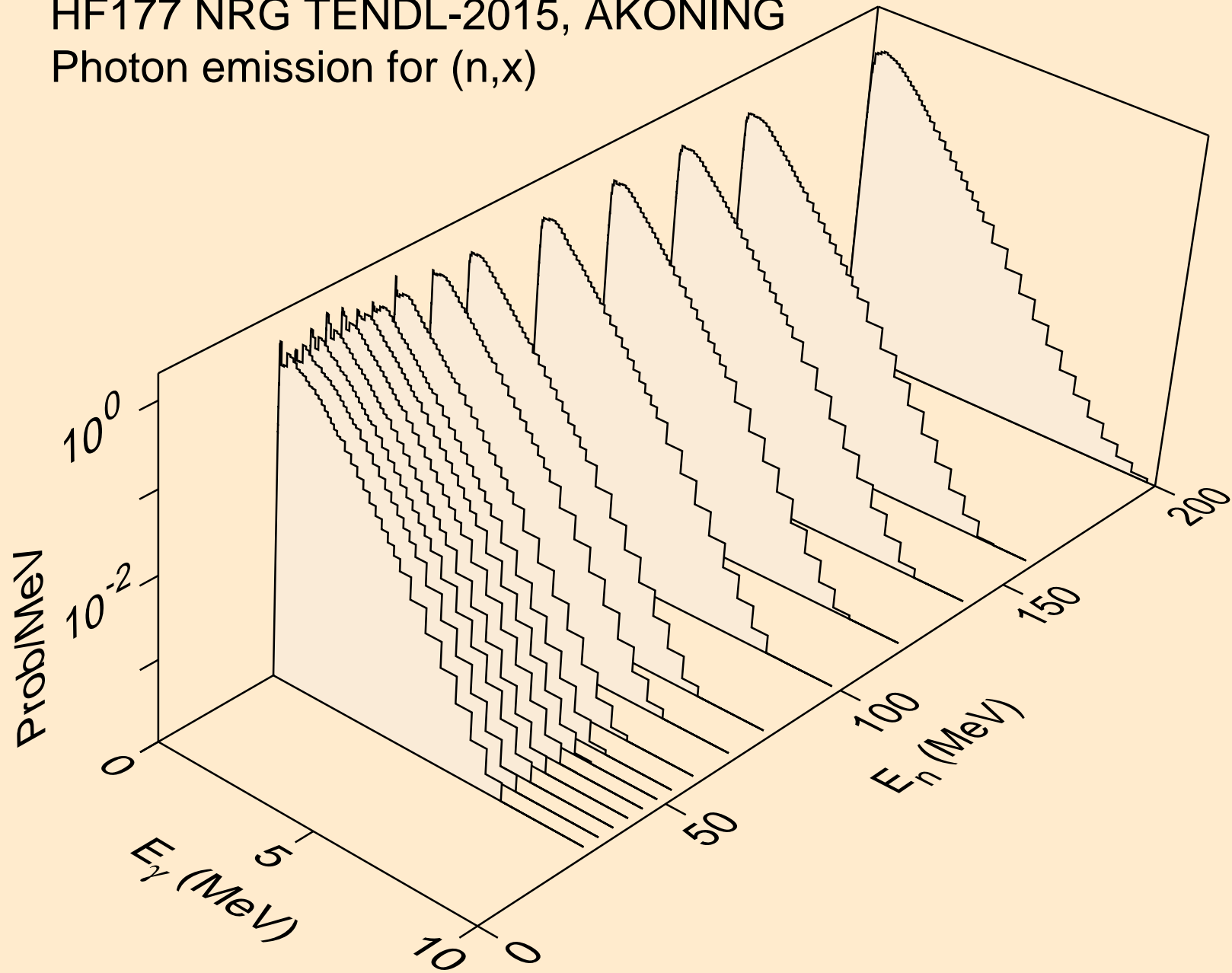
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



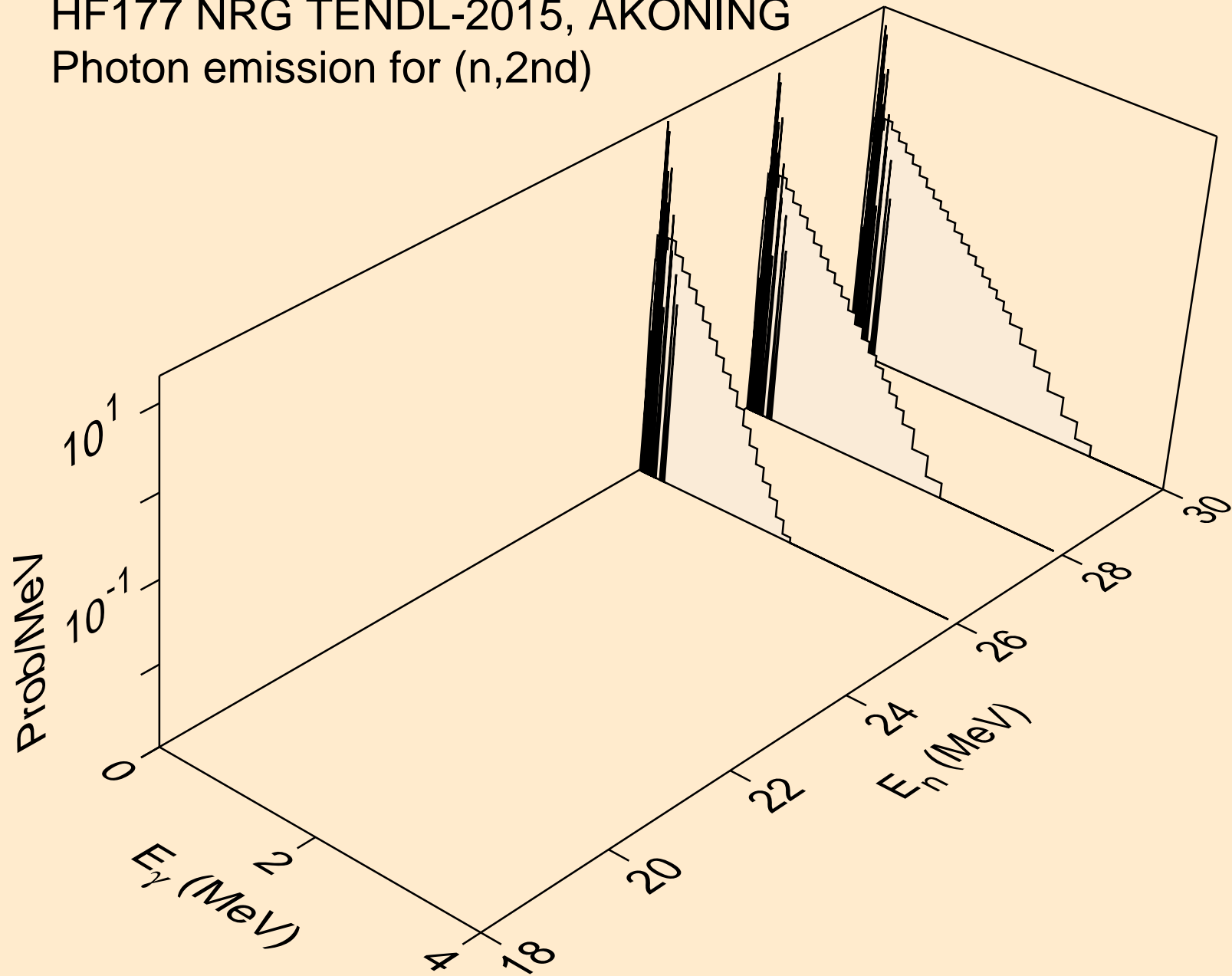
HF177 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



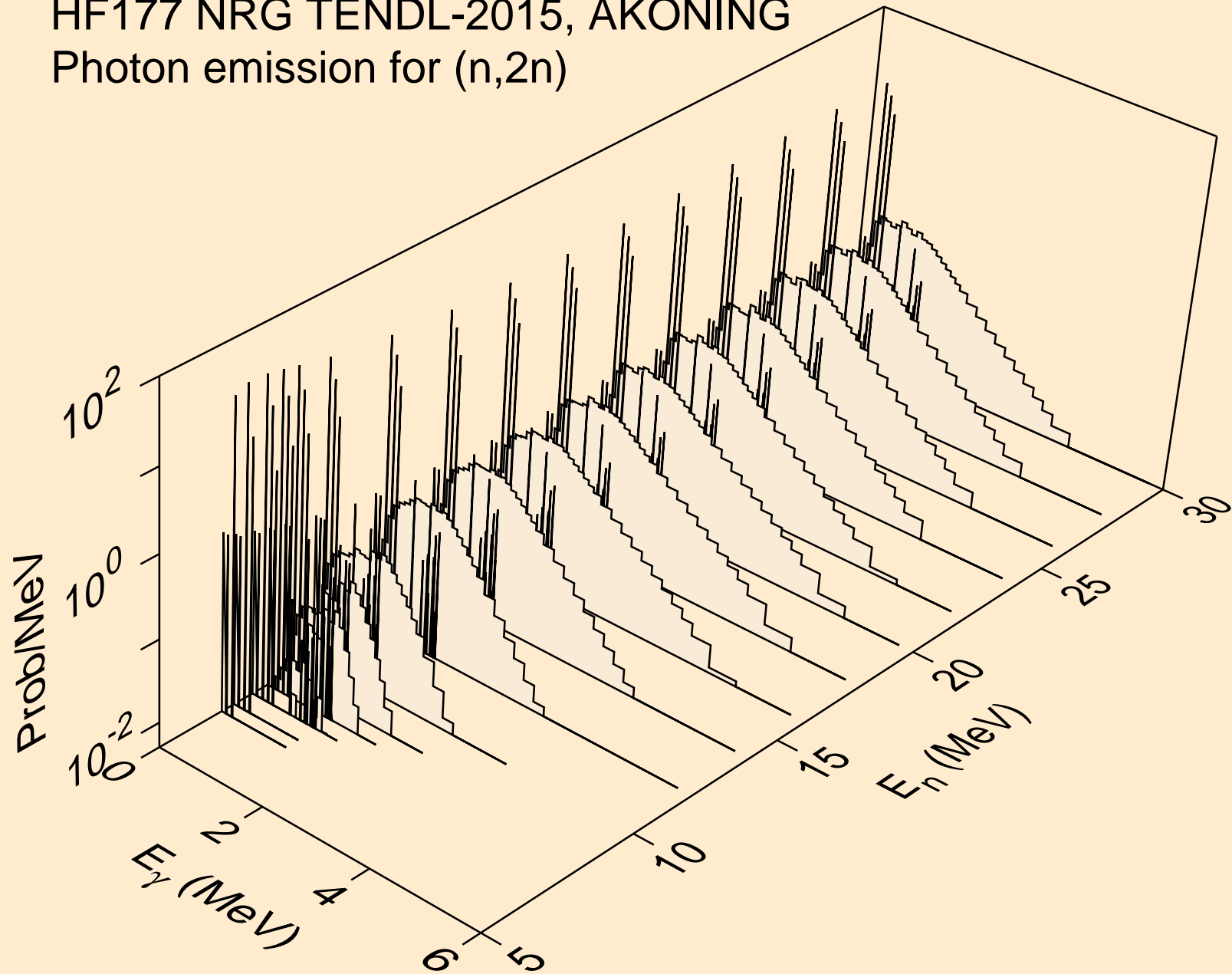
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



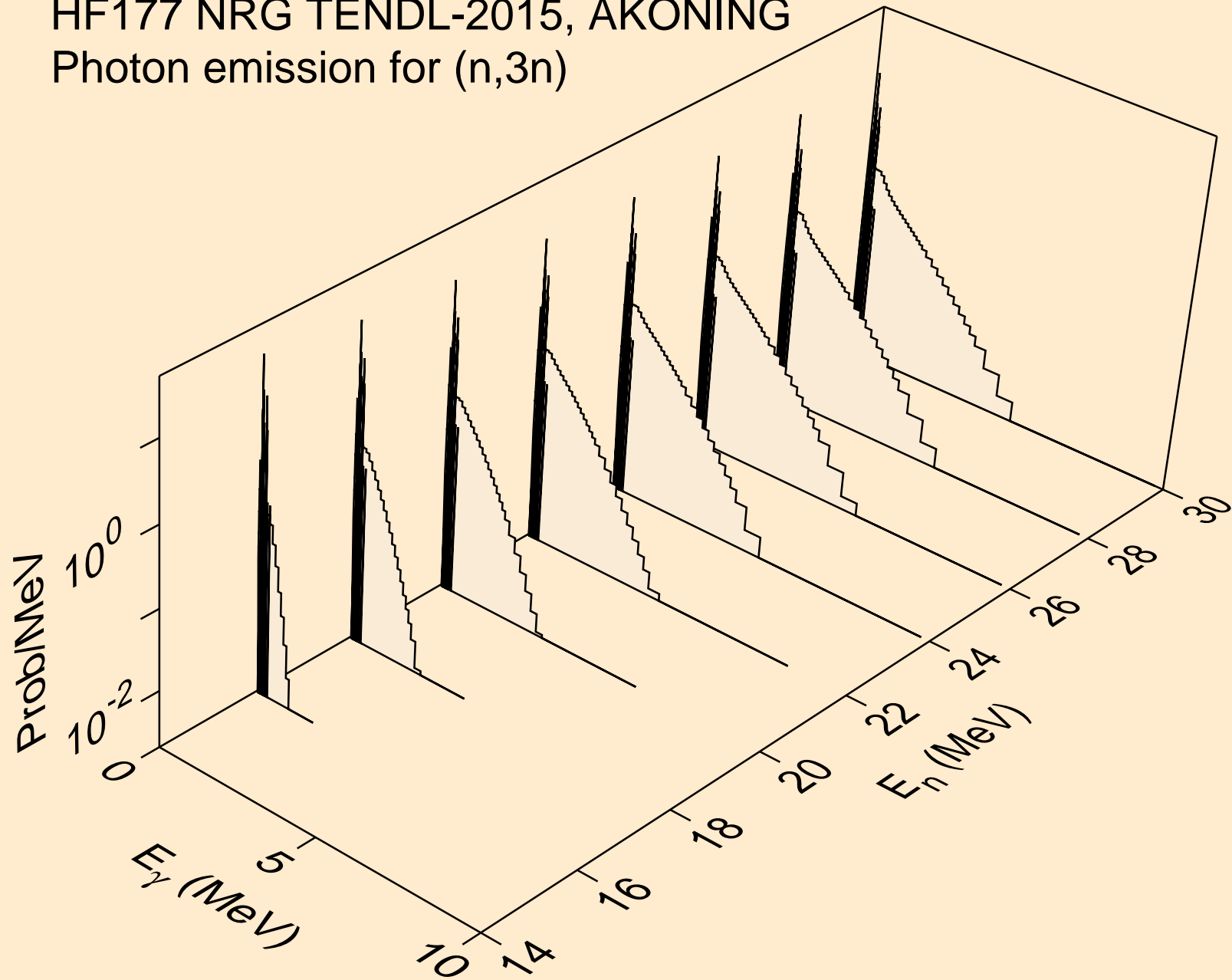
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

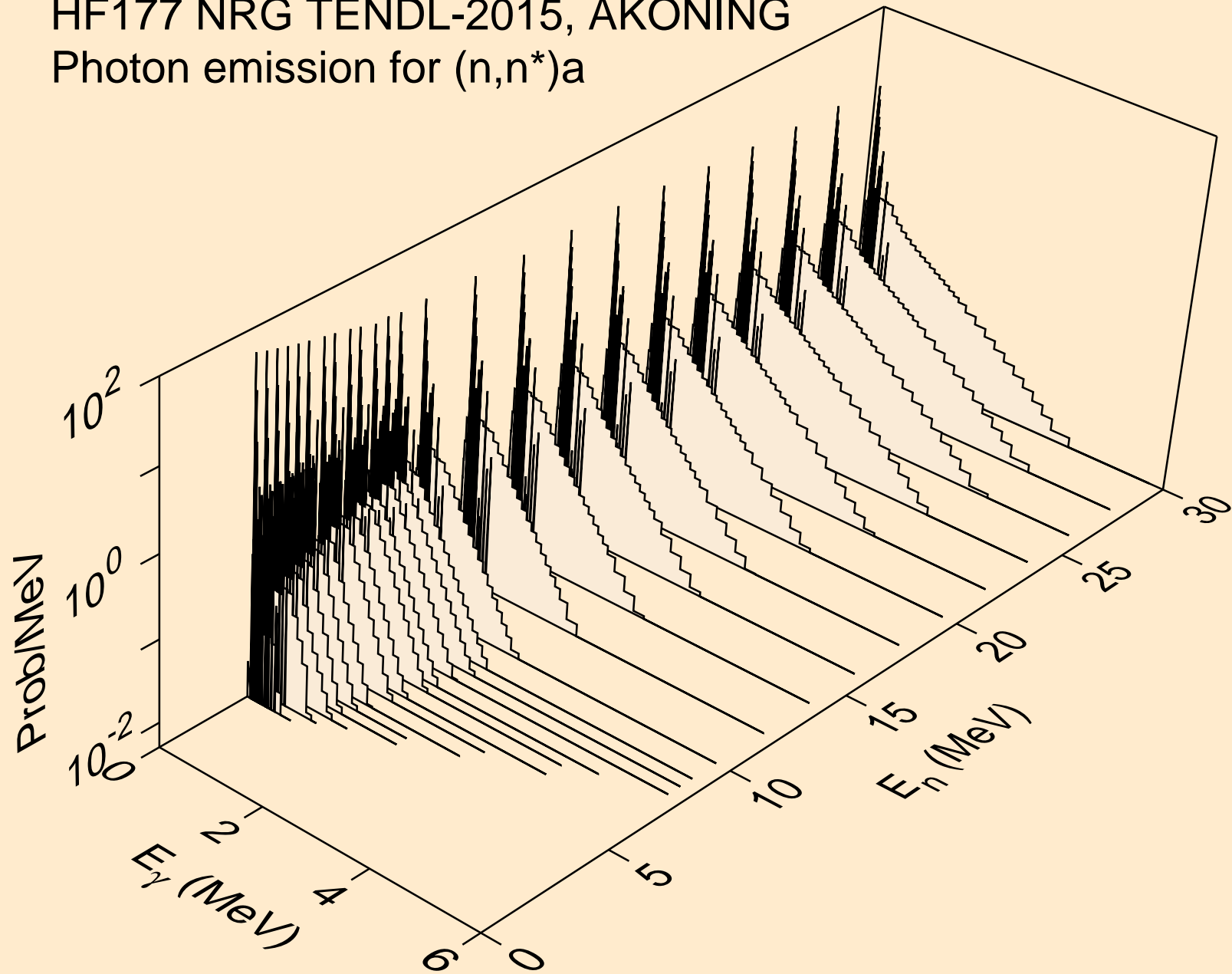


HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

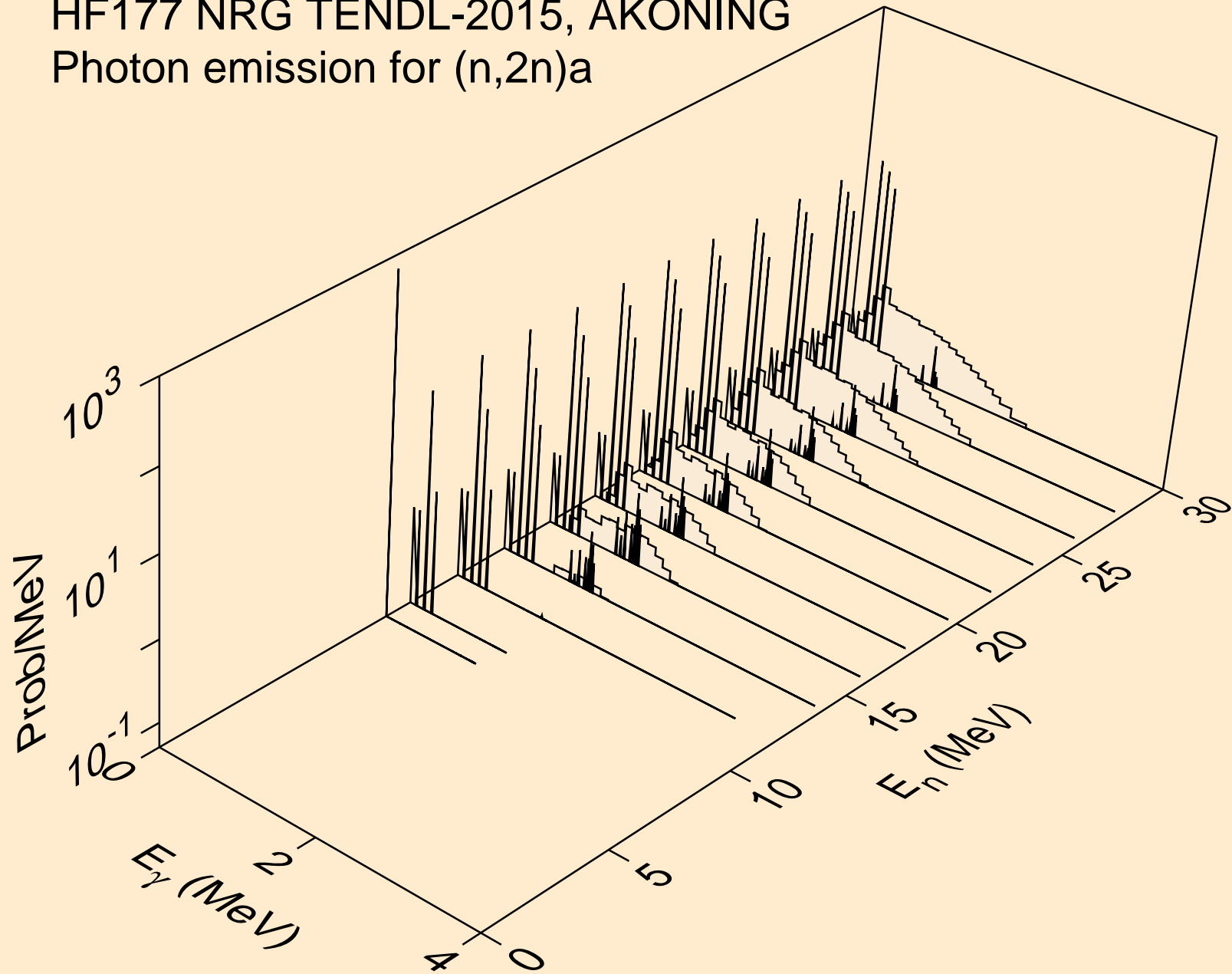




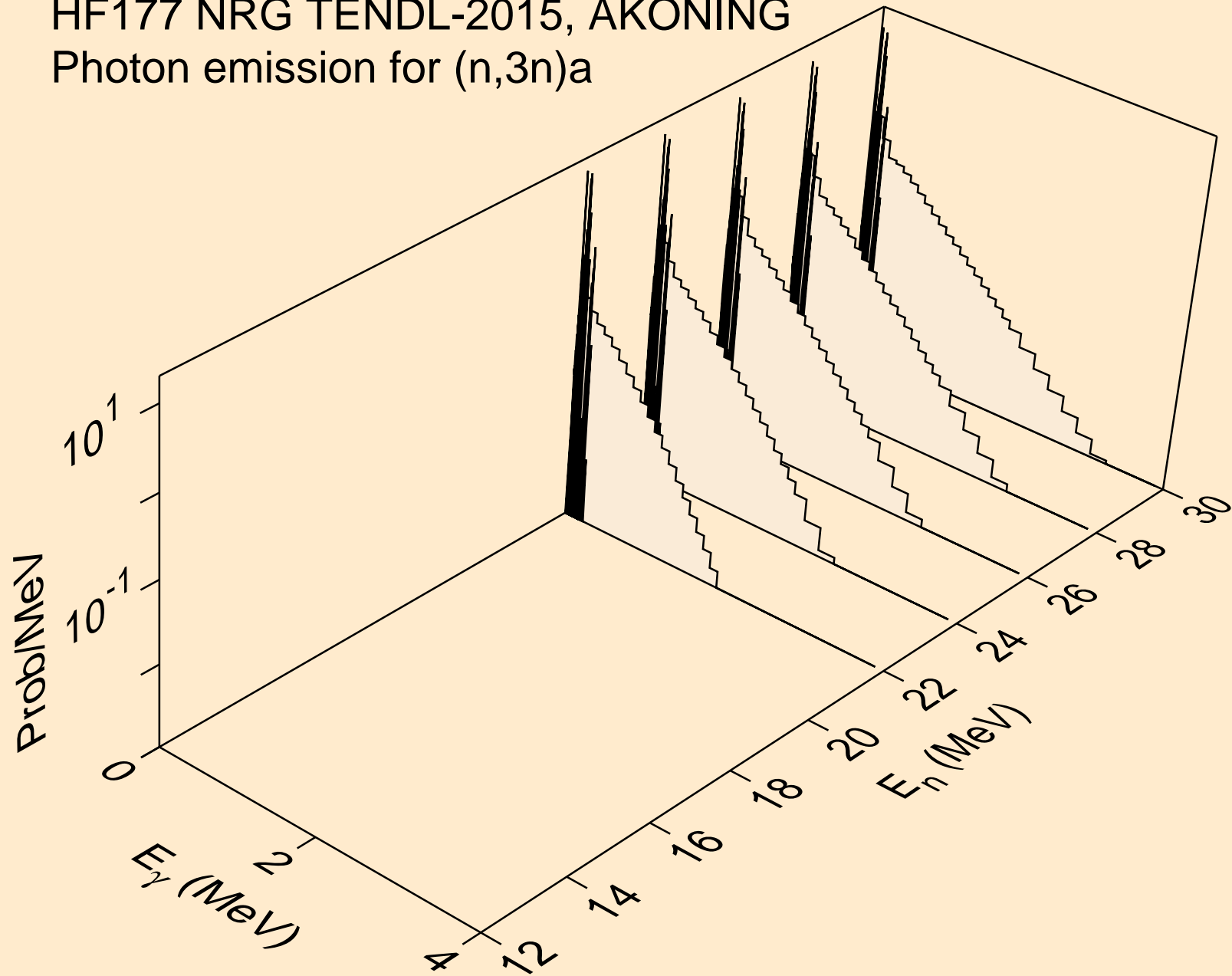
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



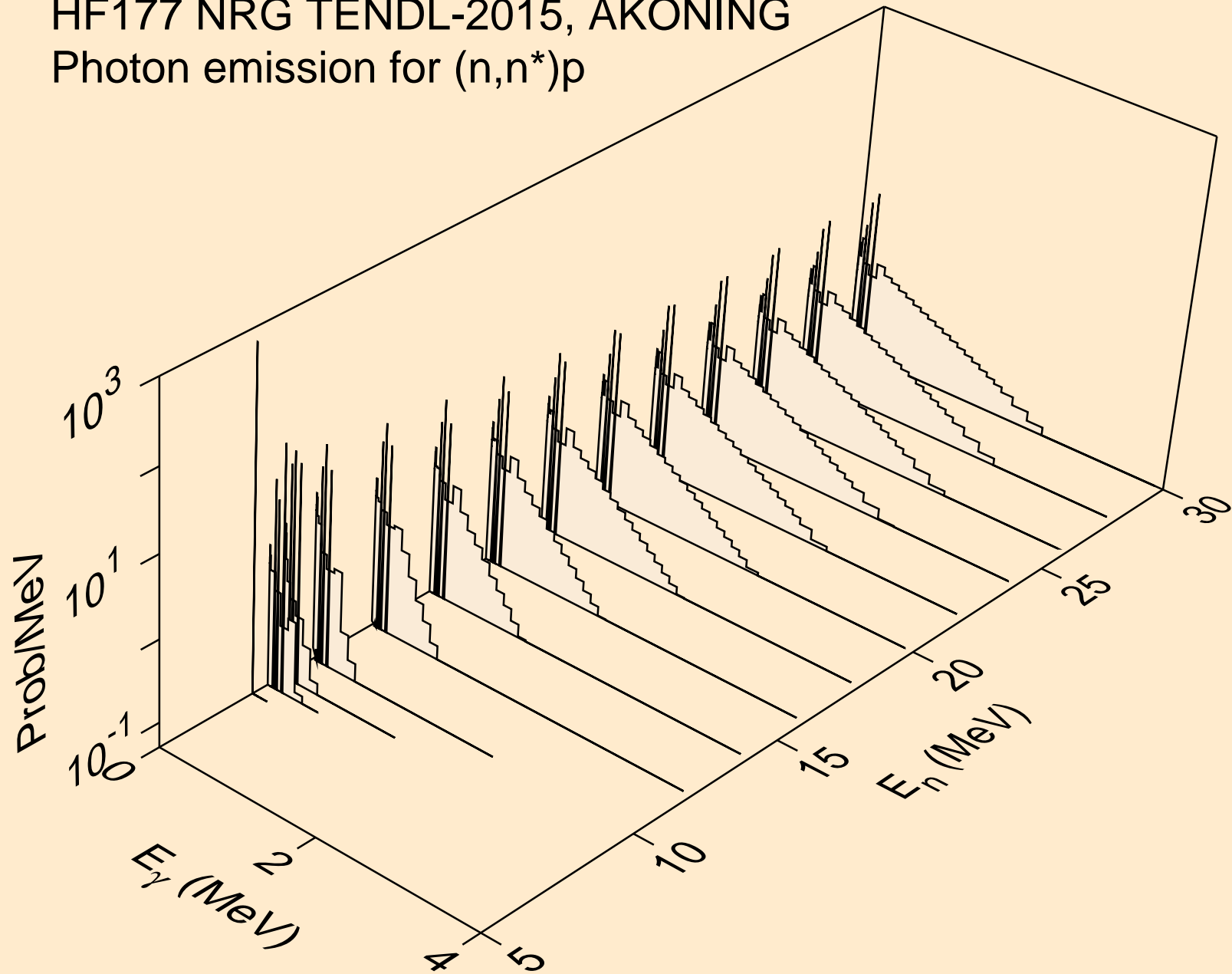
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



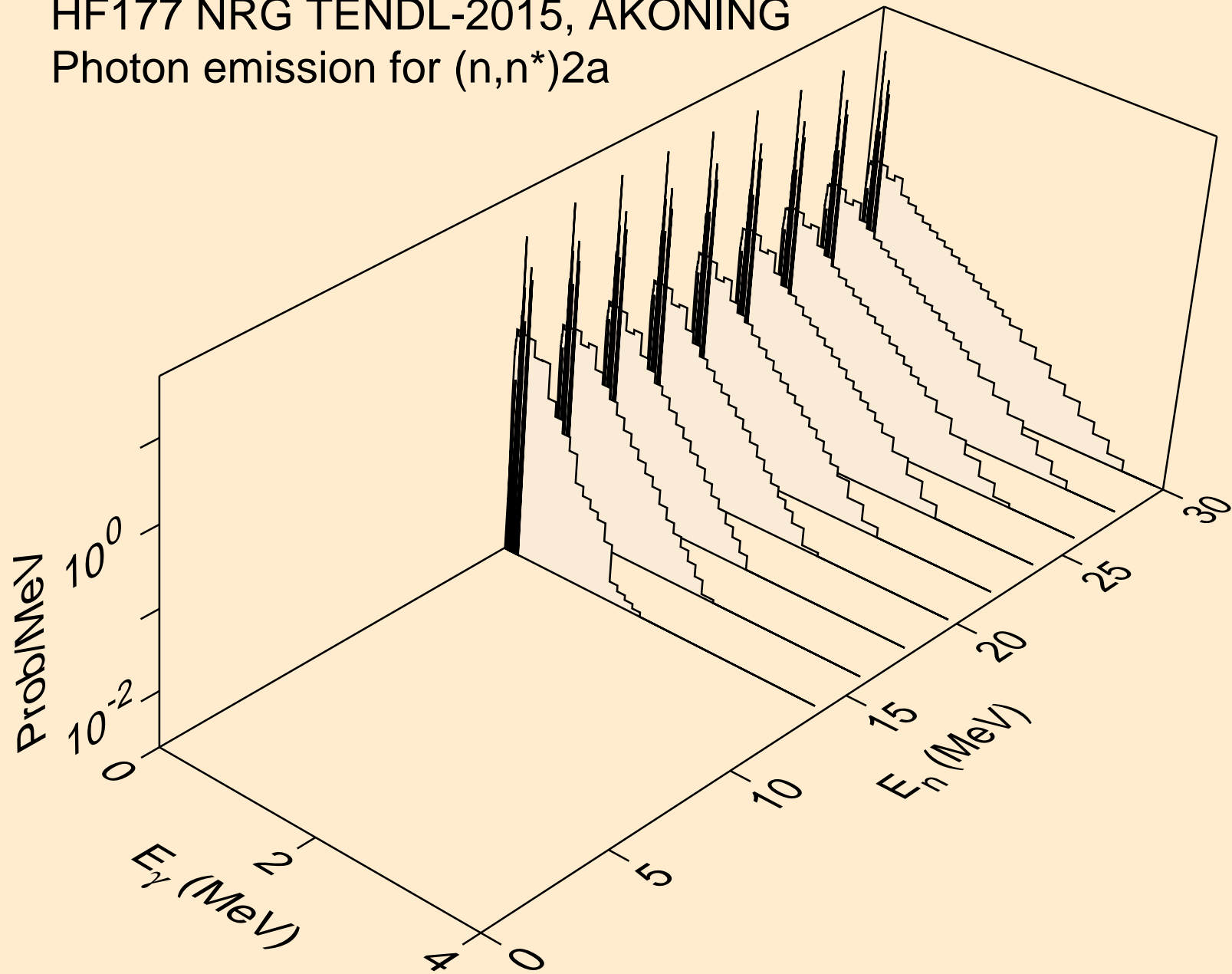
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



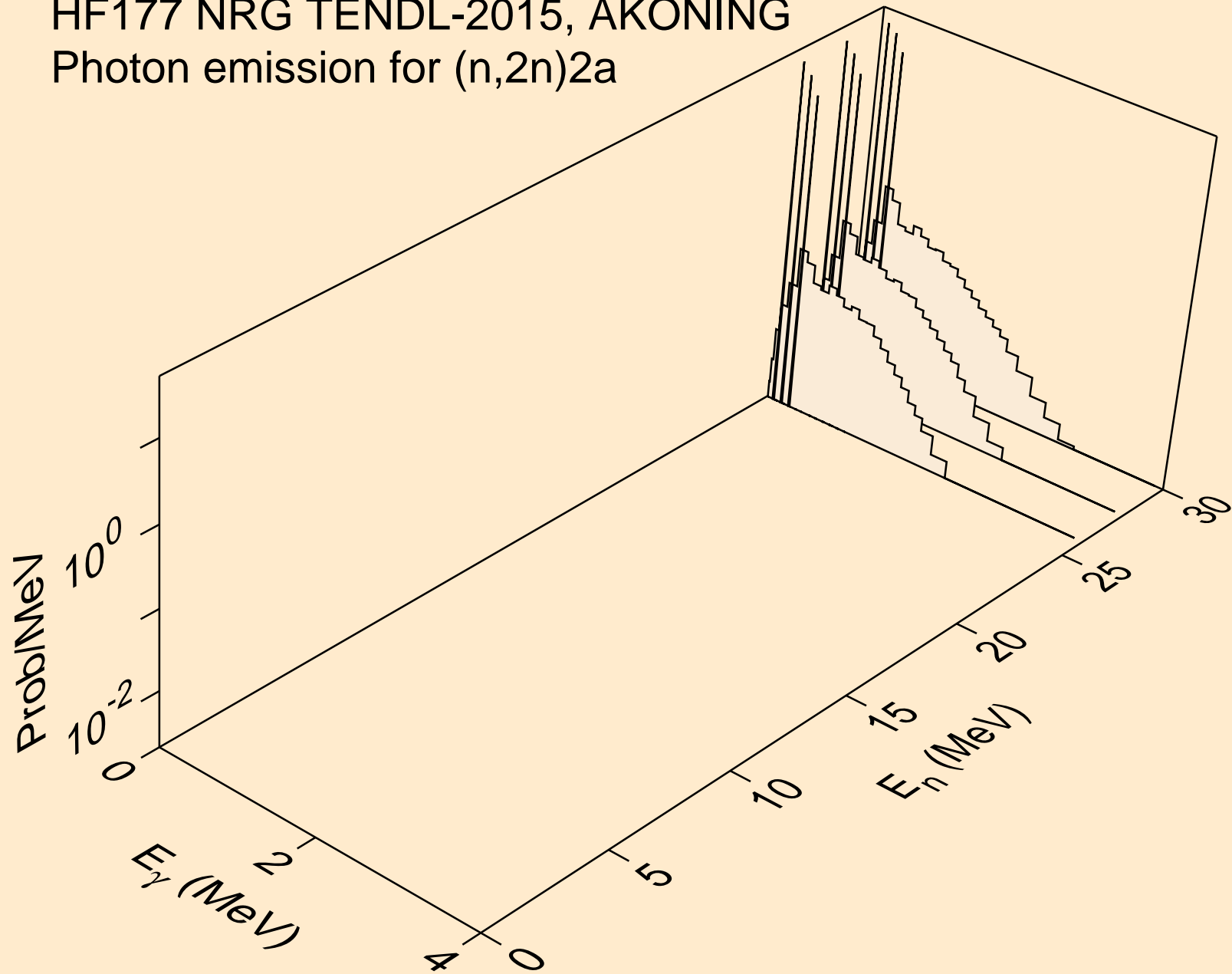
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



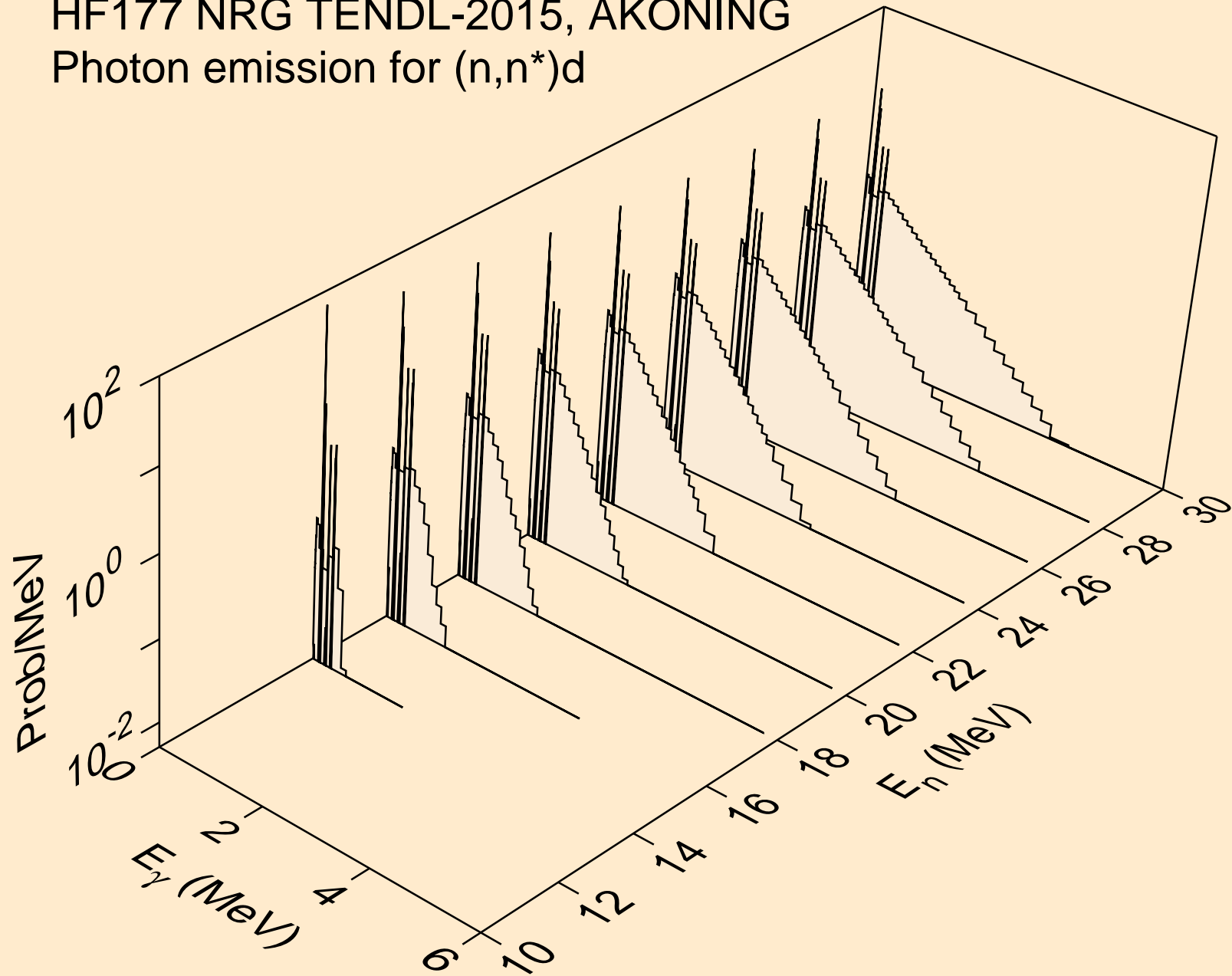
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



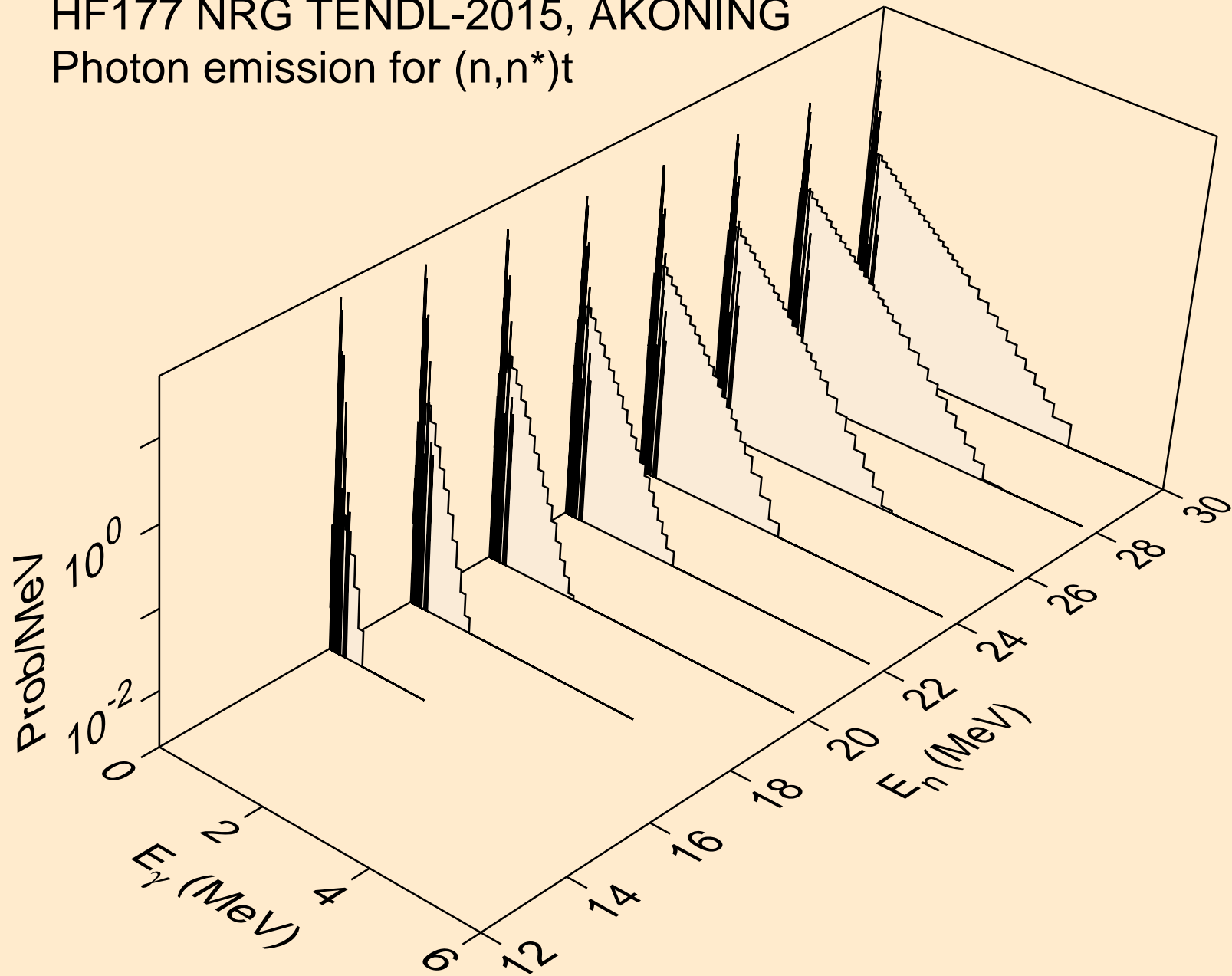
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

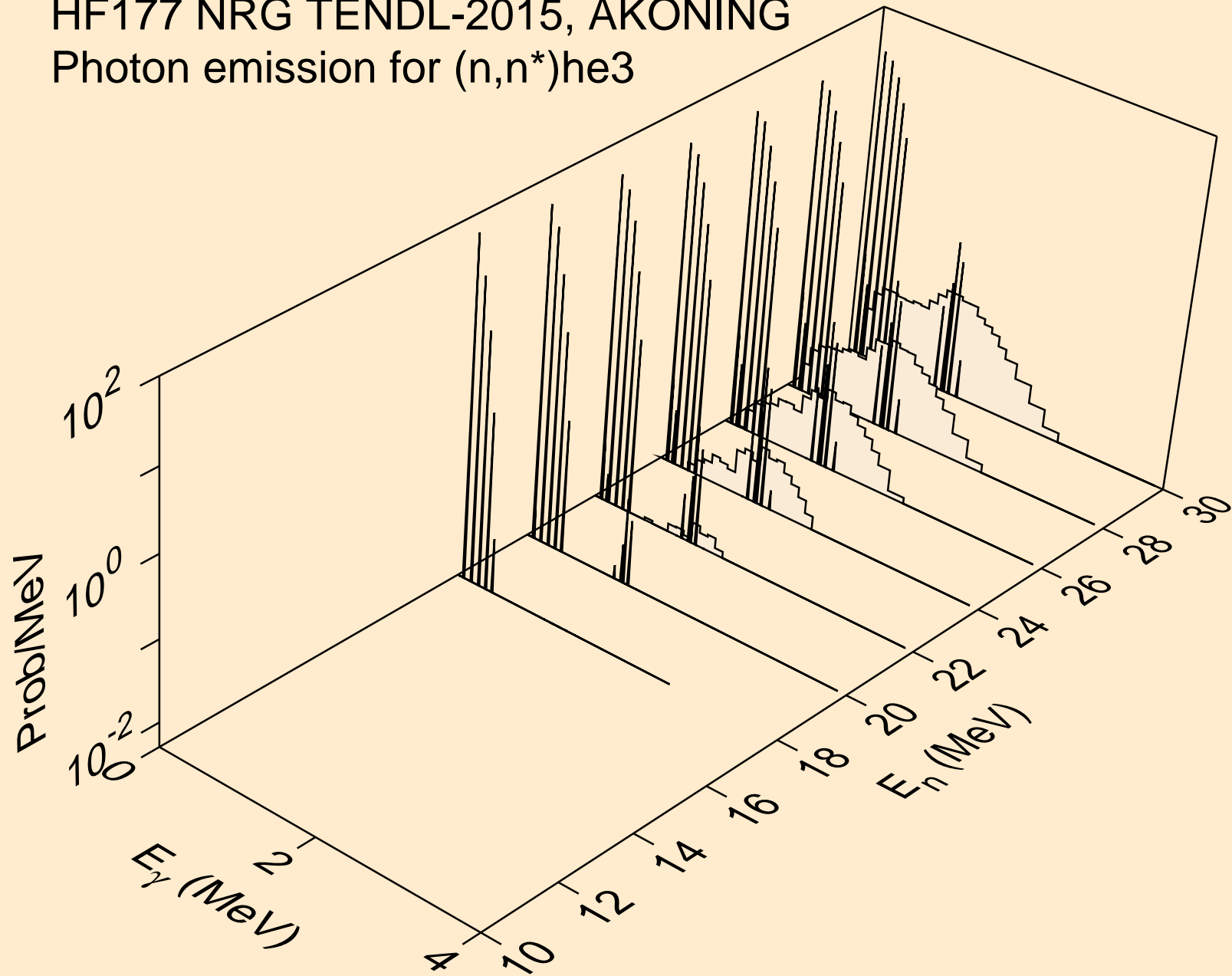


HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

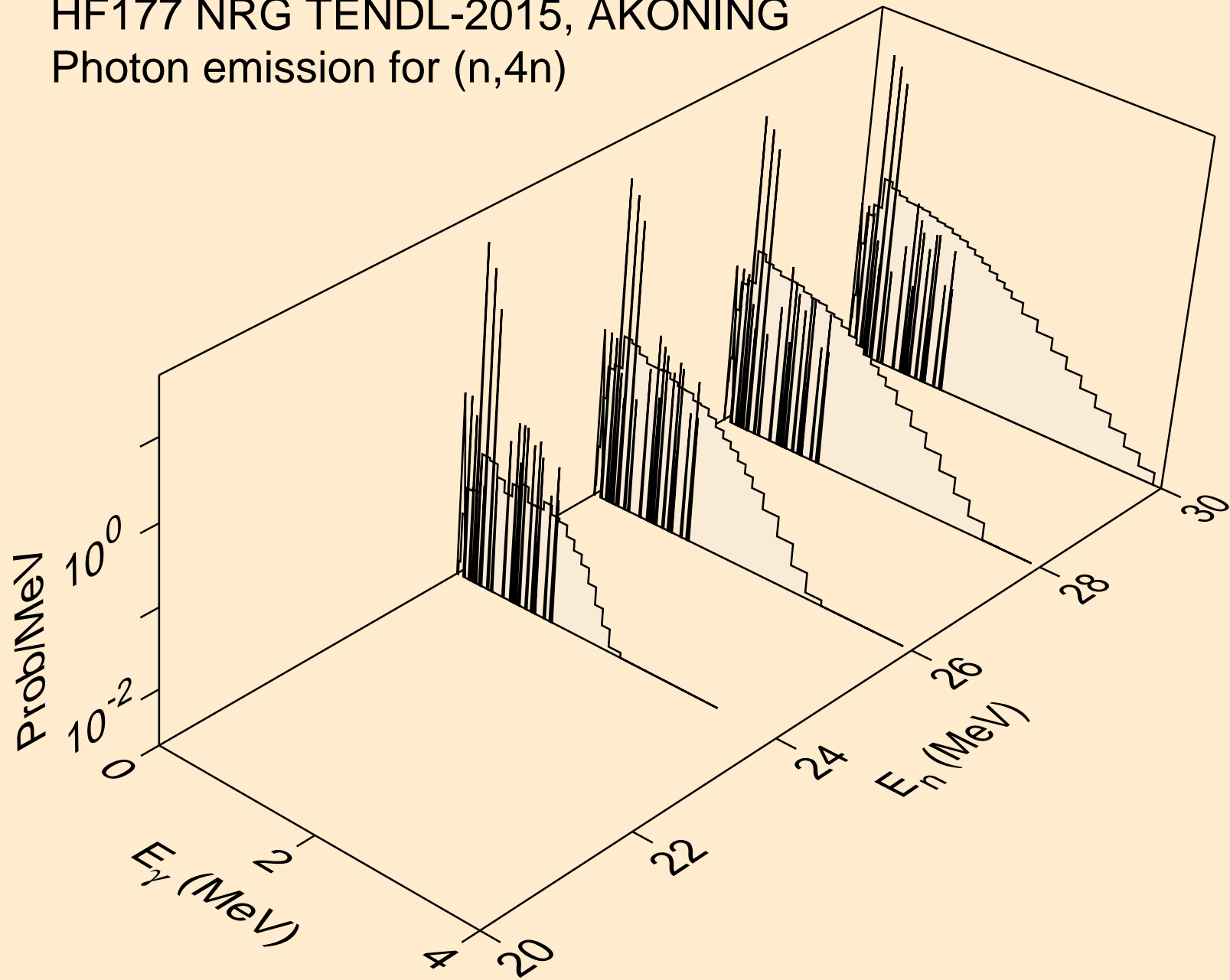




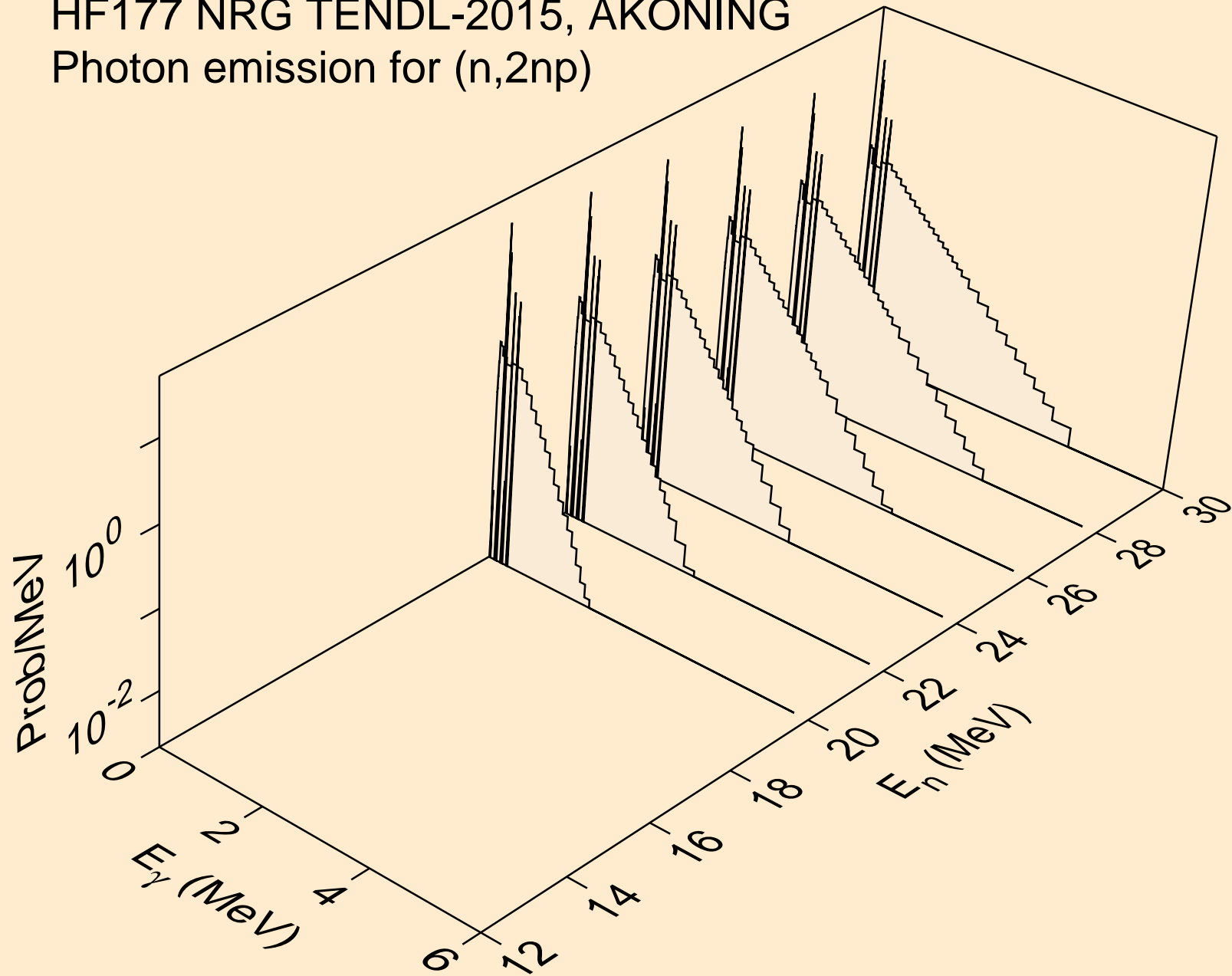
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



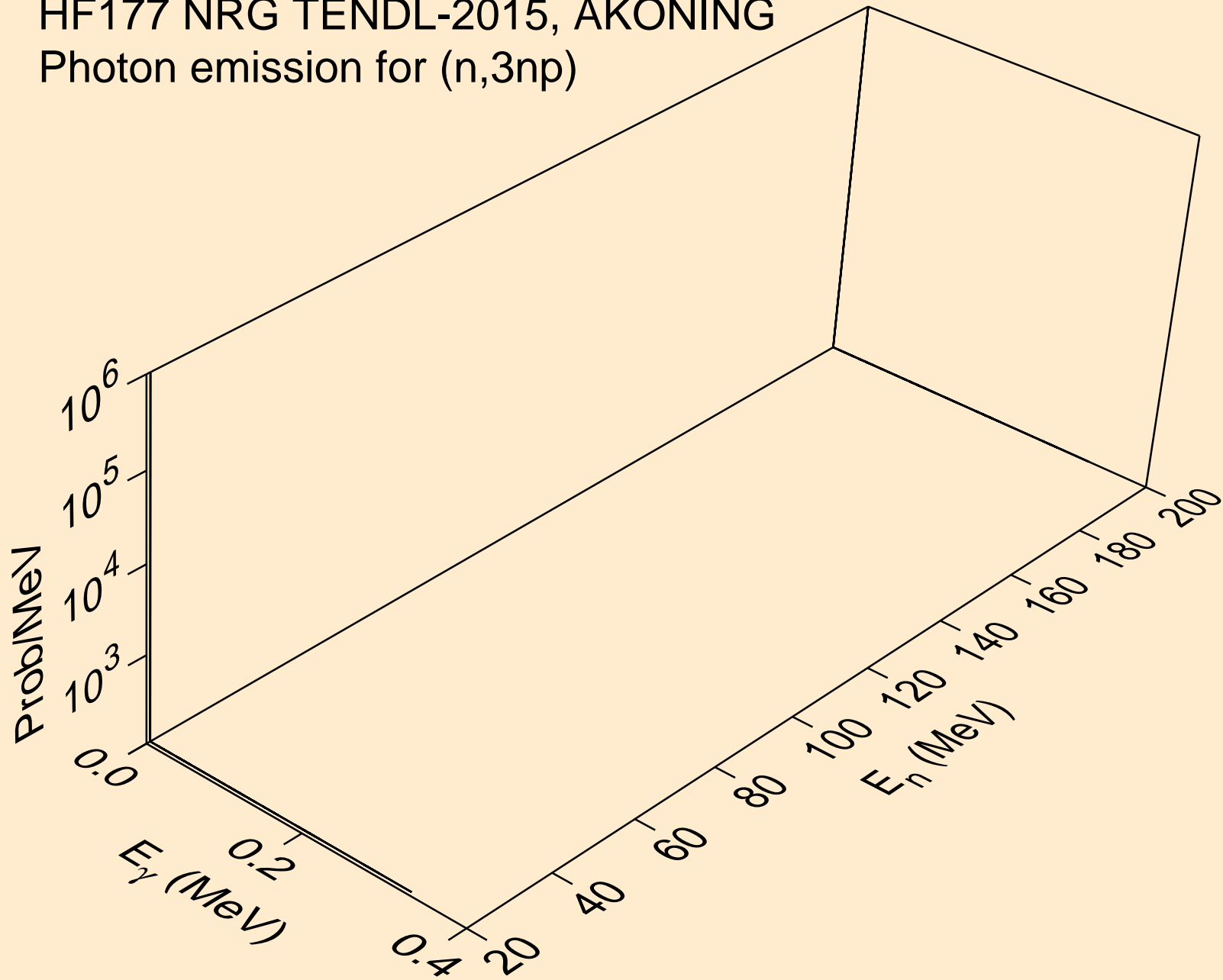
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



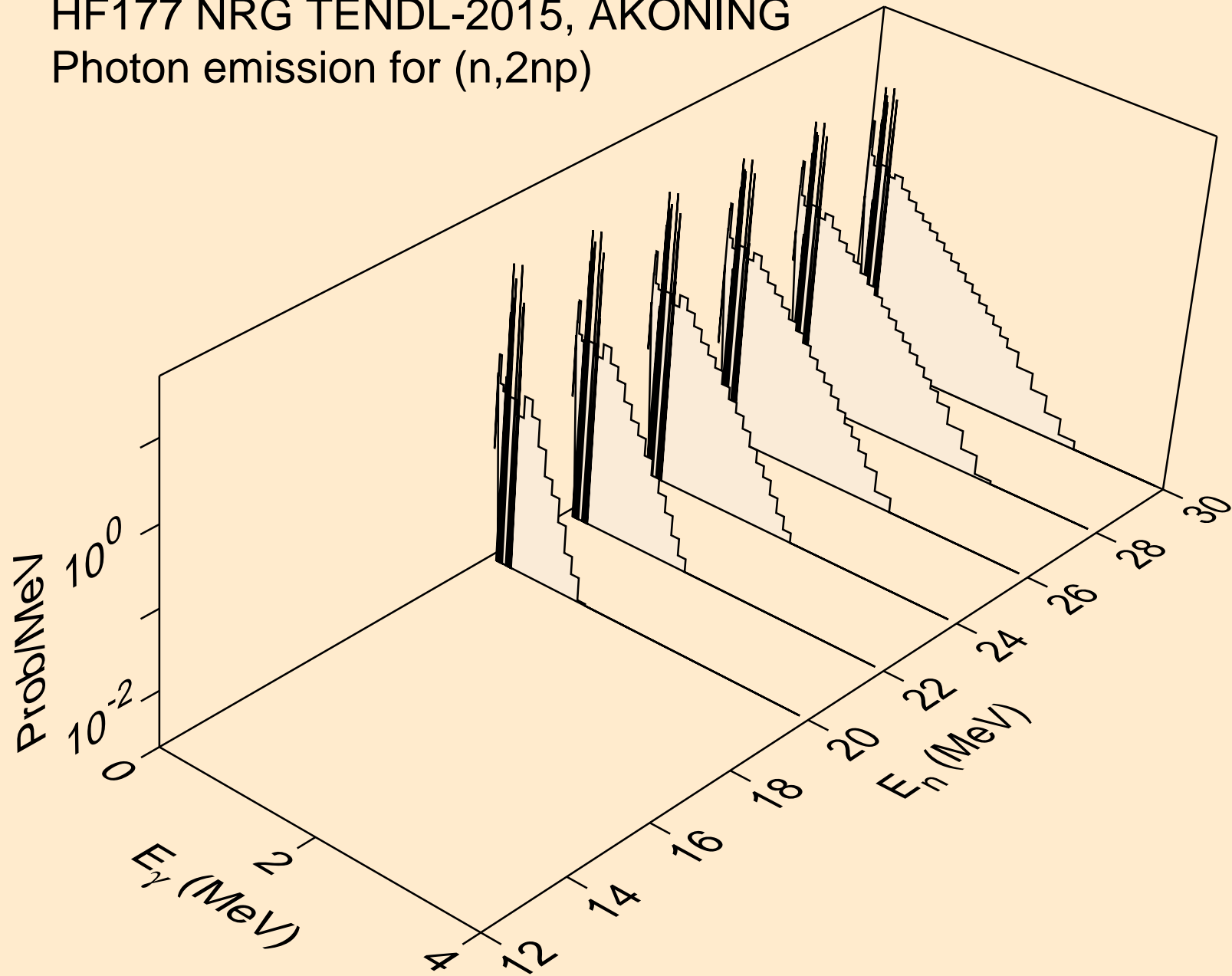
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



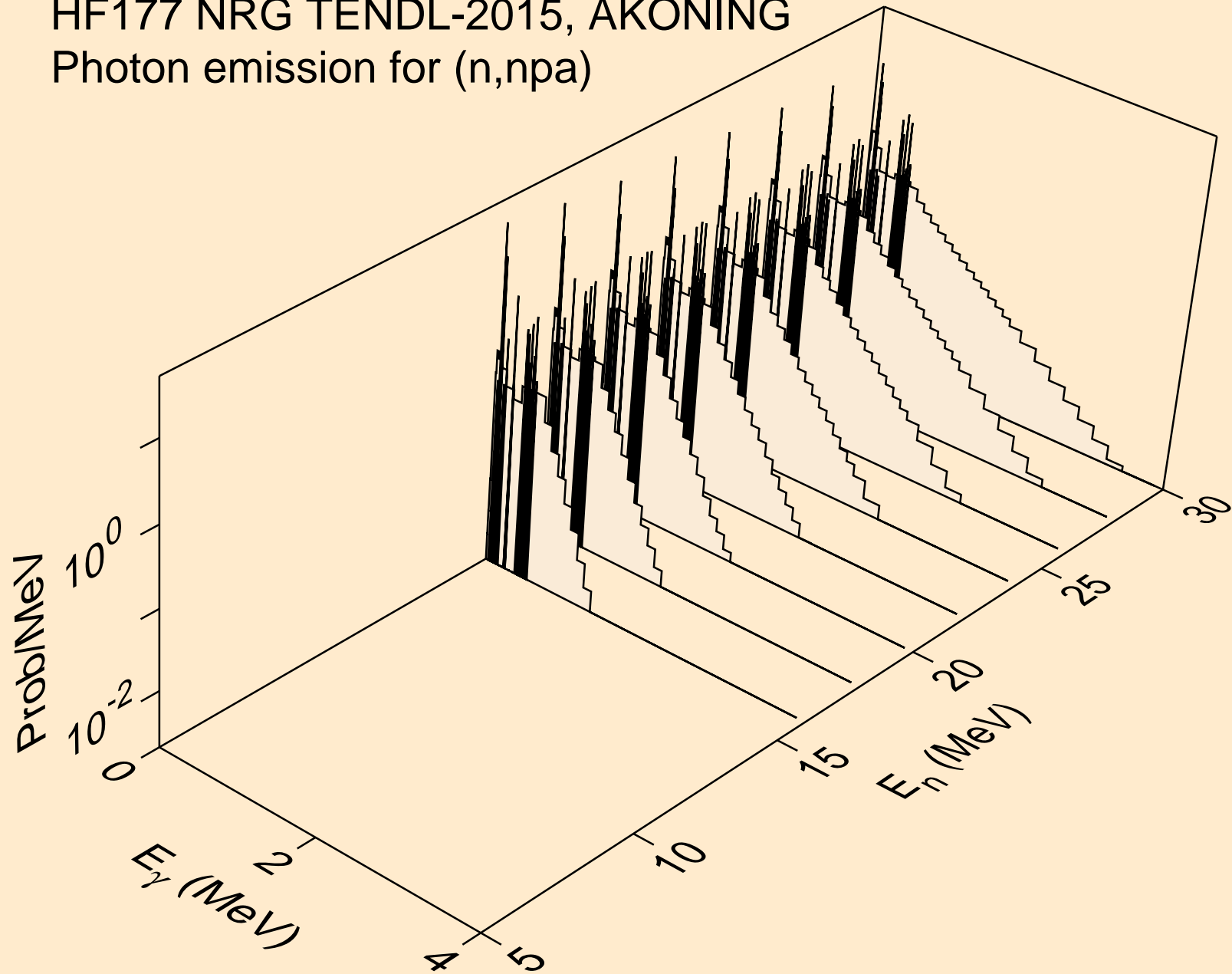
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



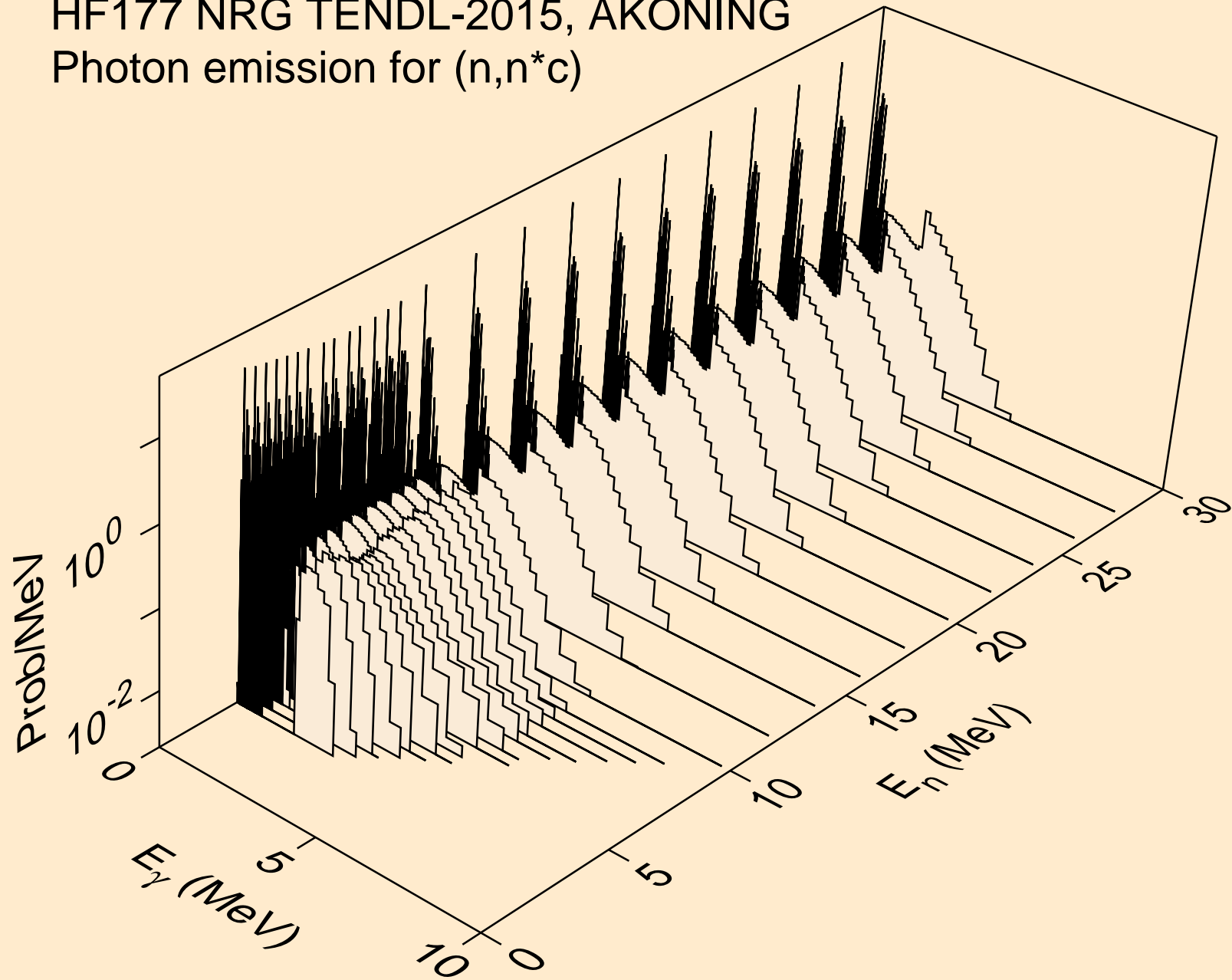
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



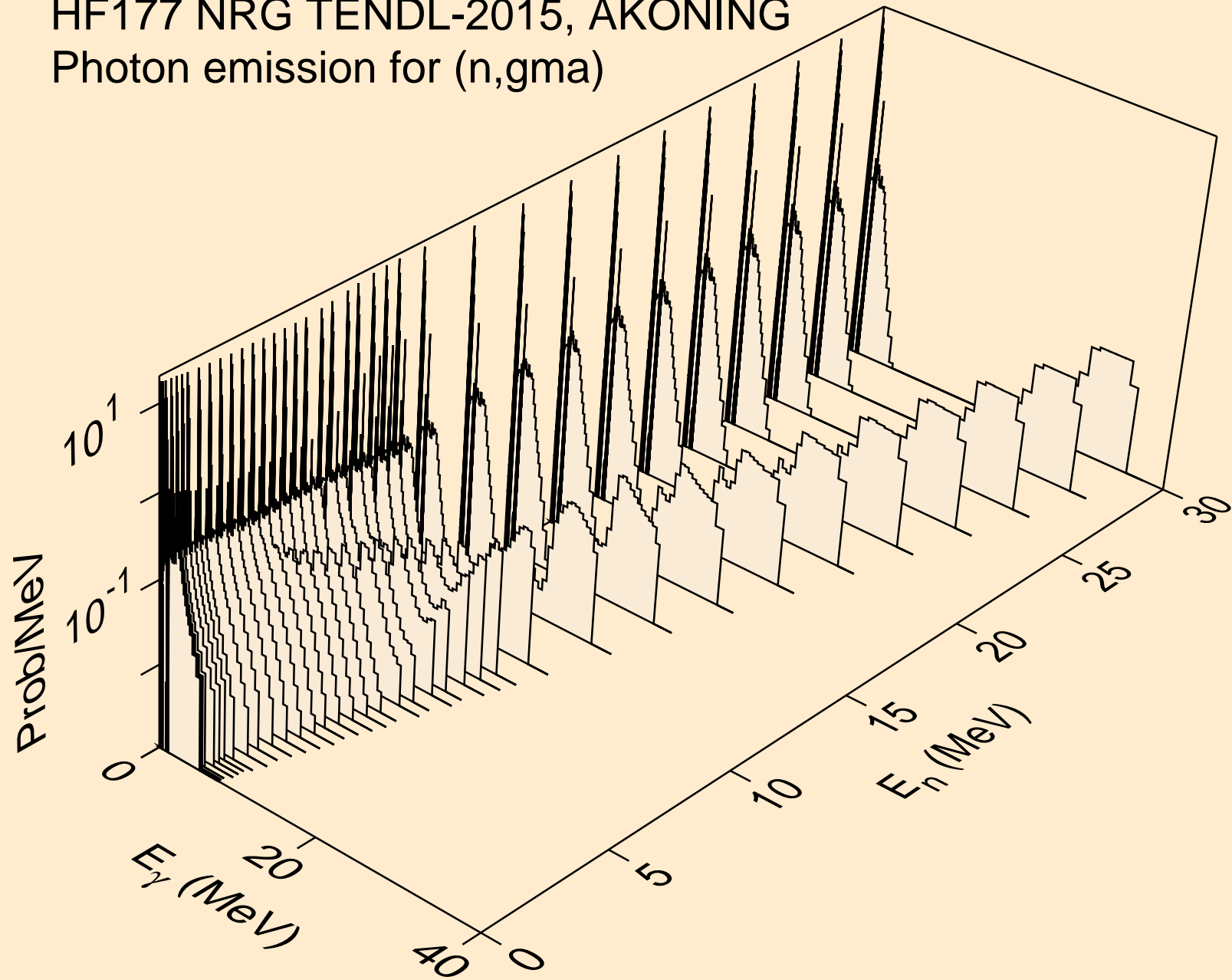
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

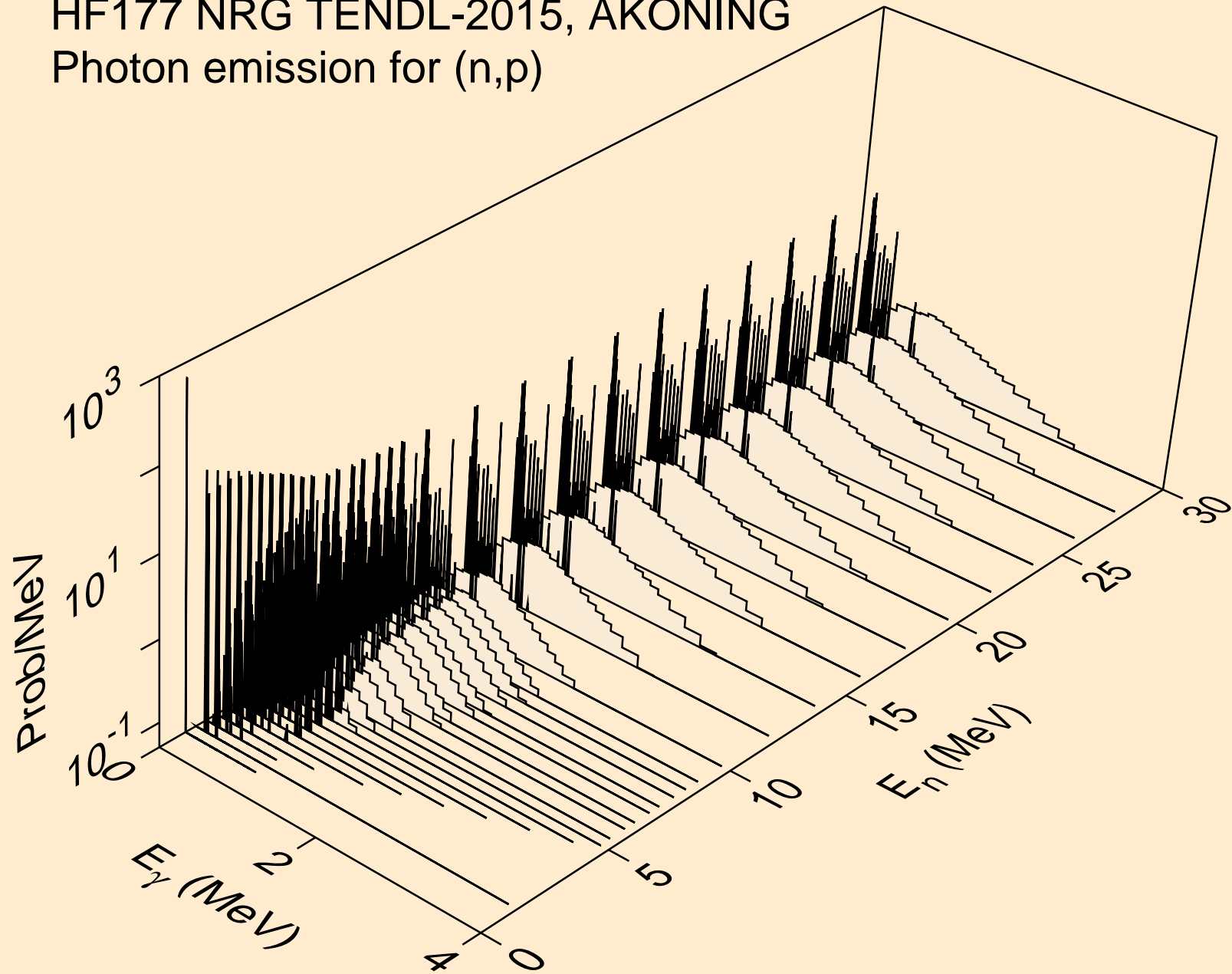


HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

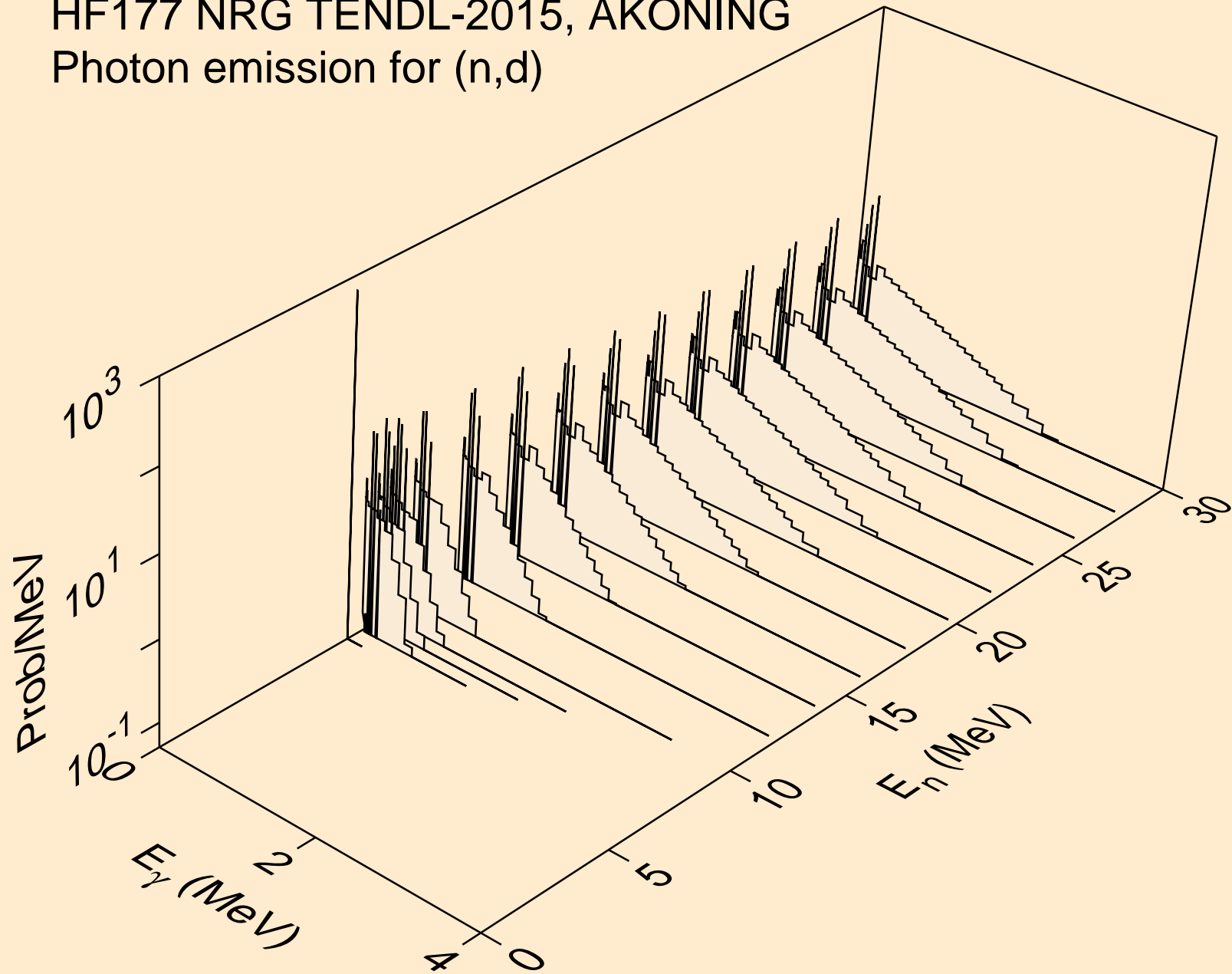




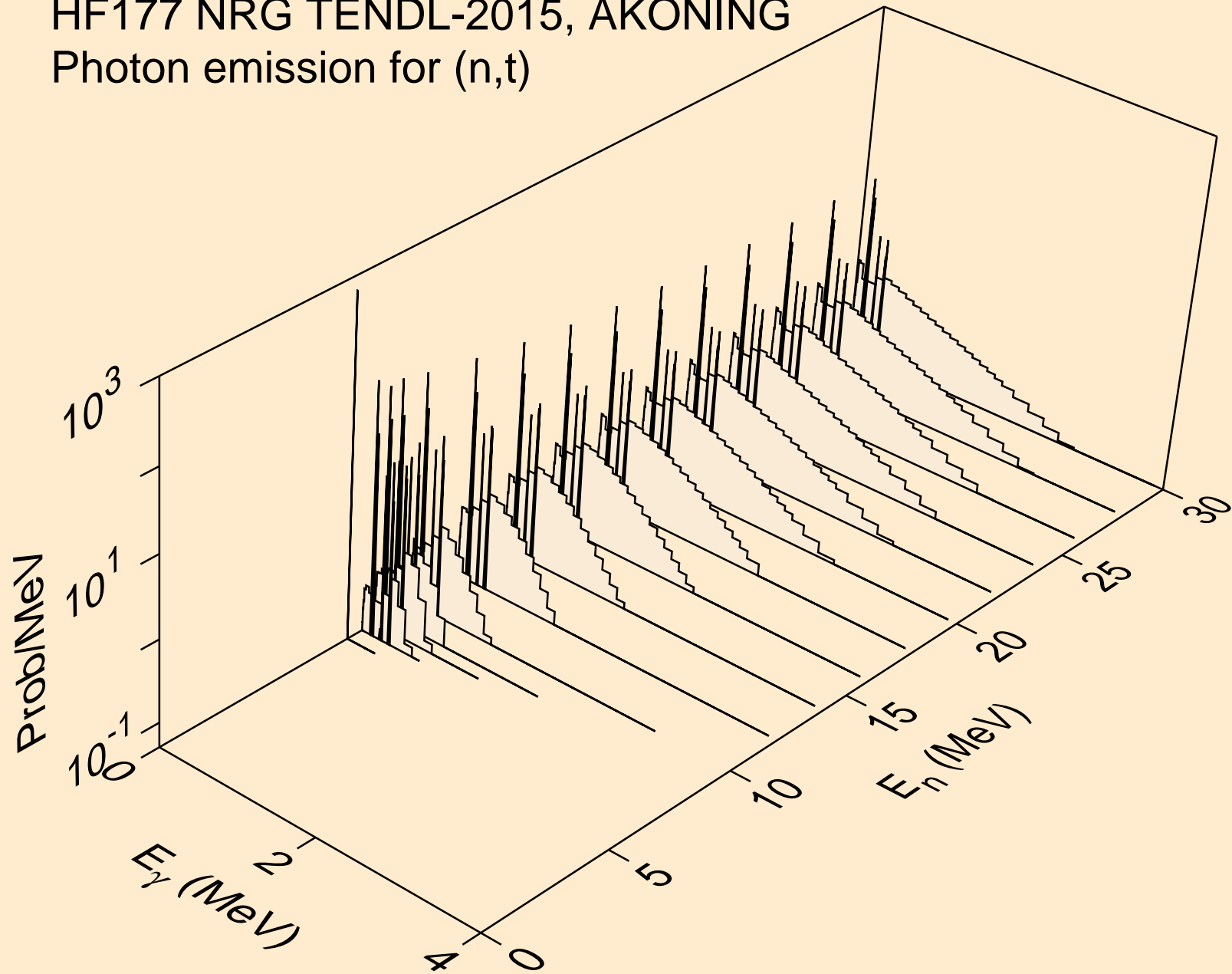
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



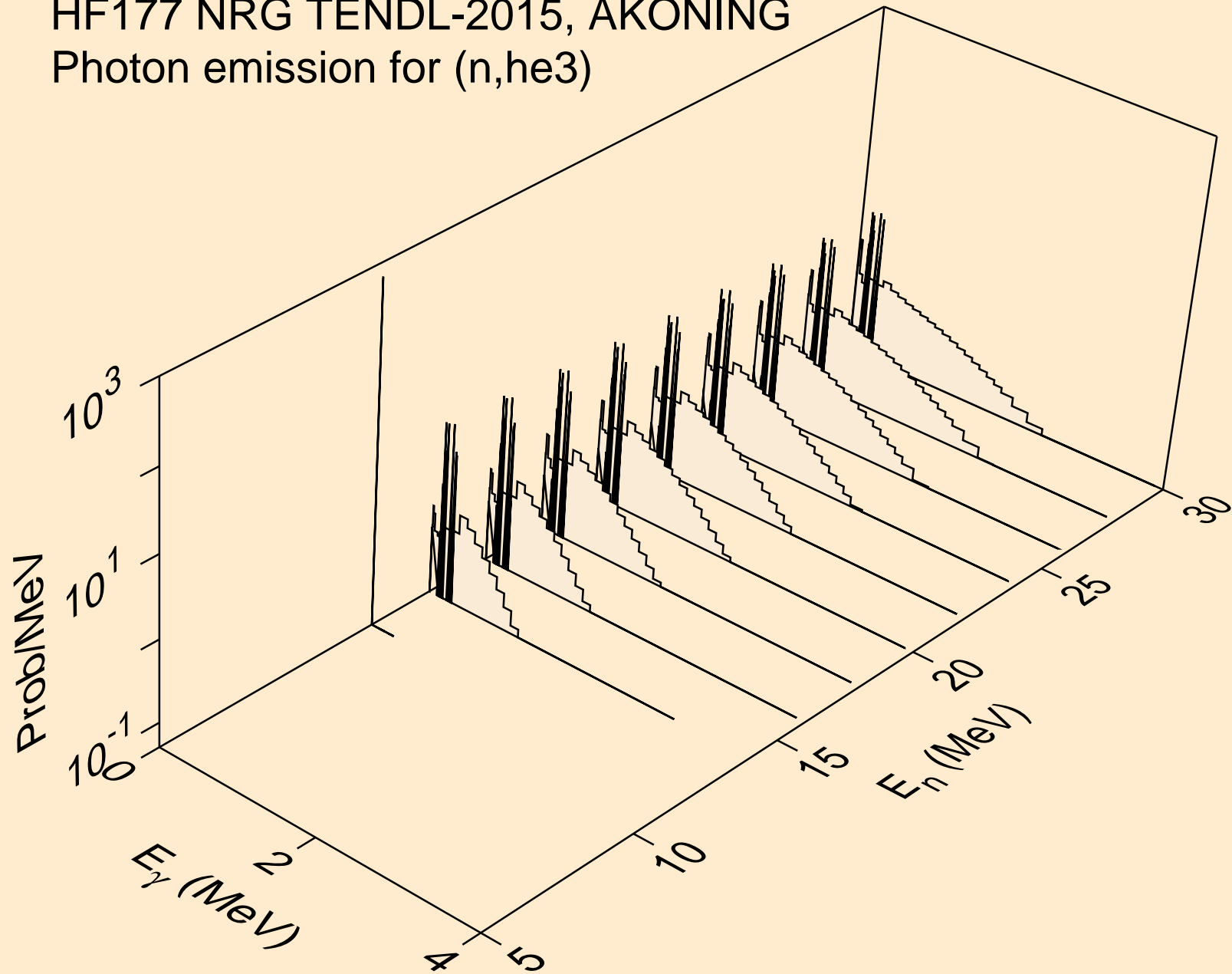
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



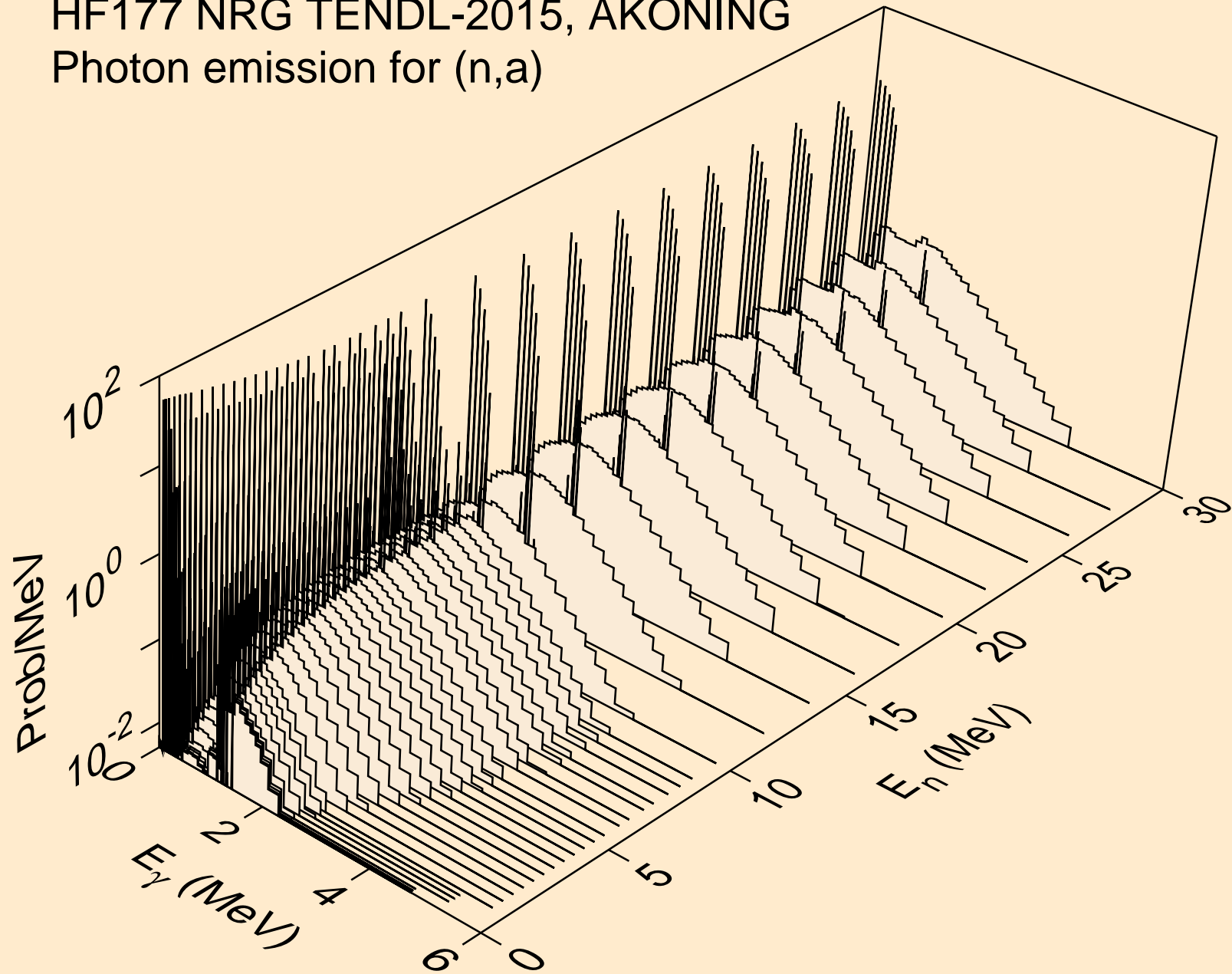
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



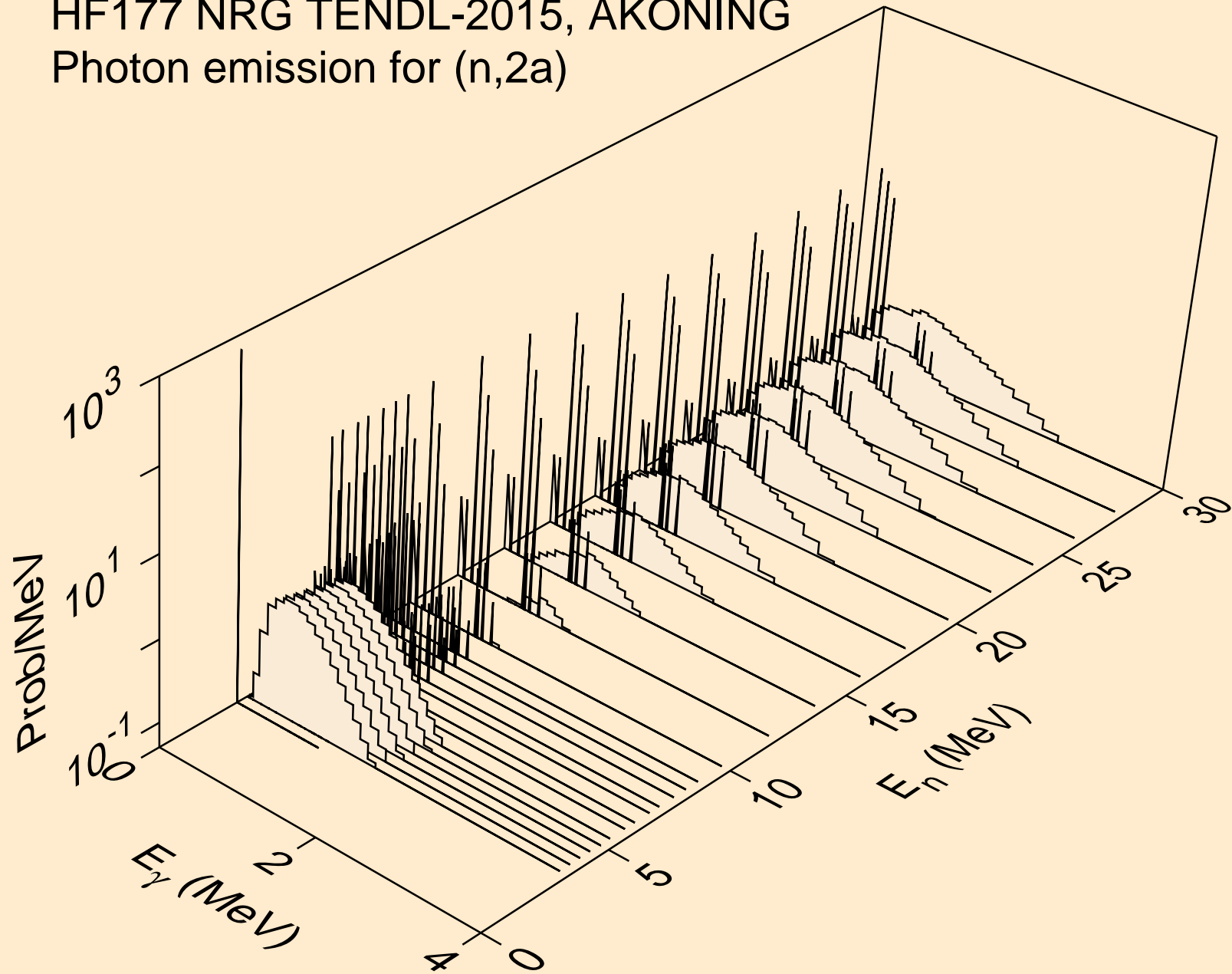
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



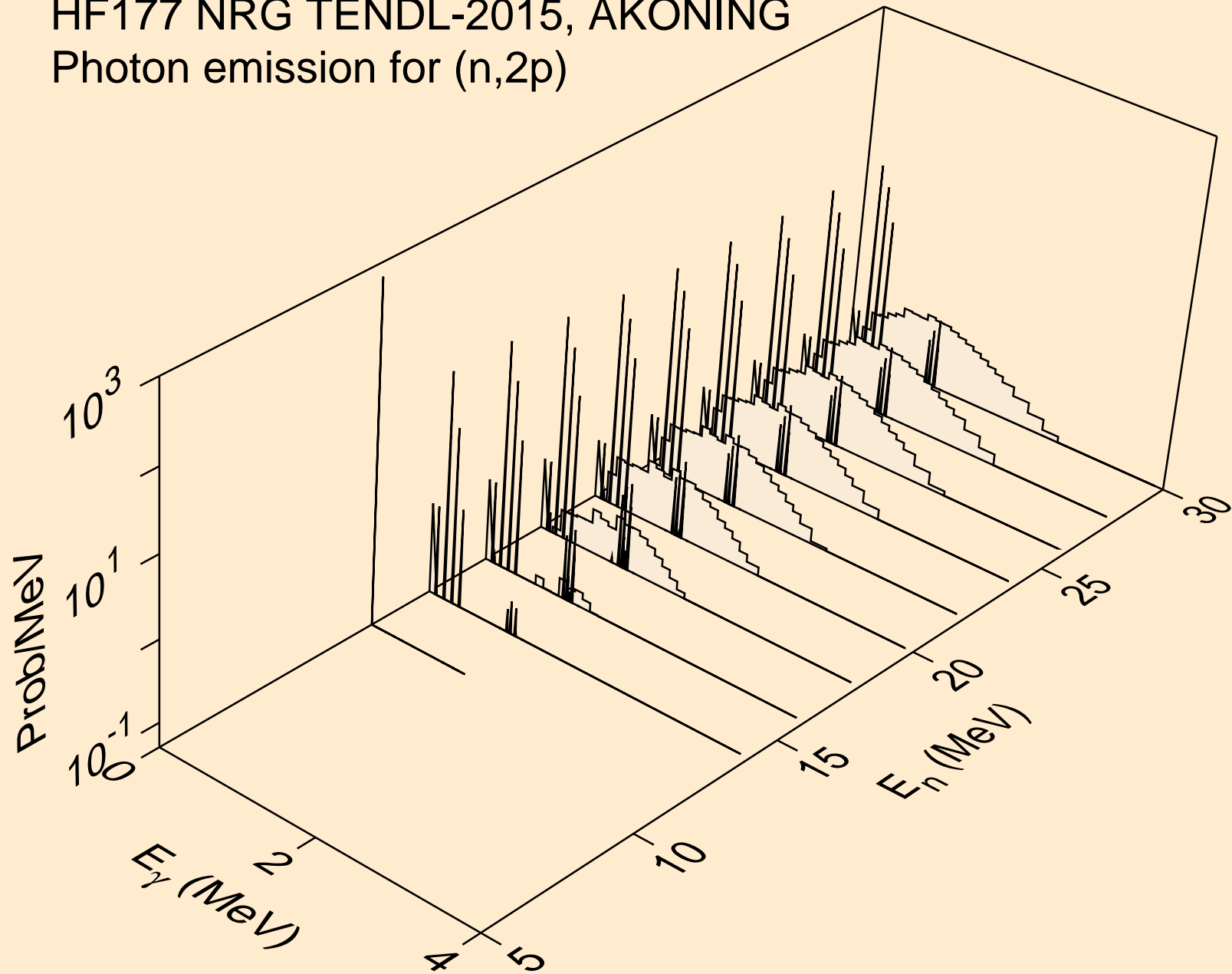
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



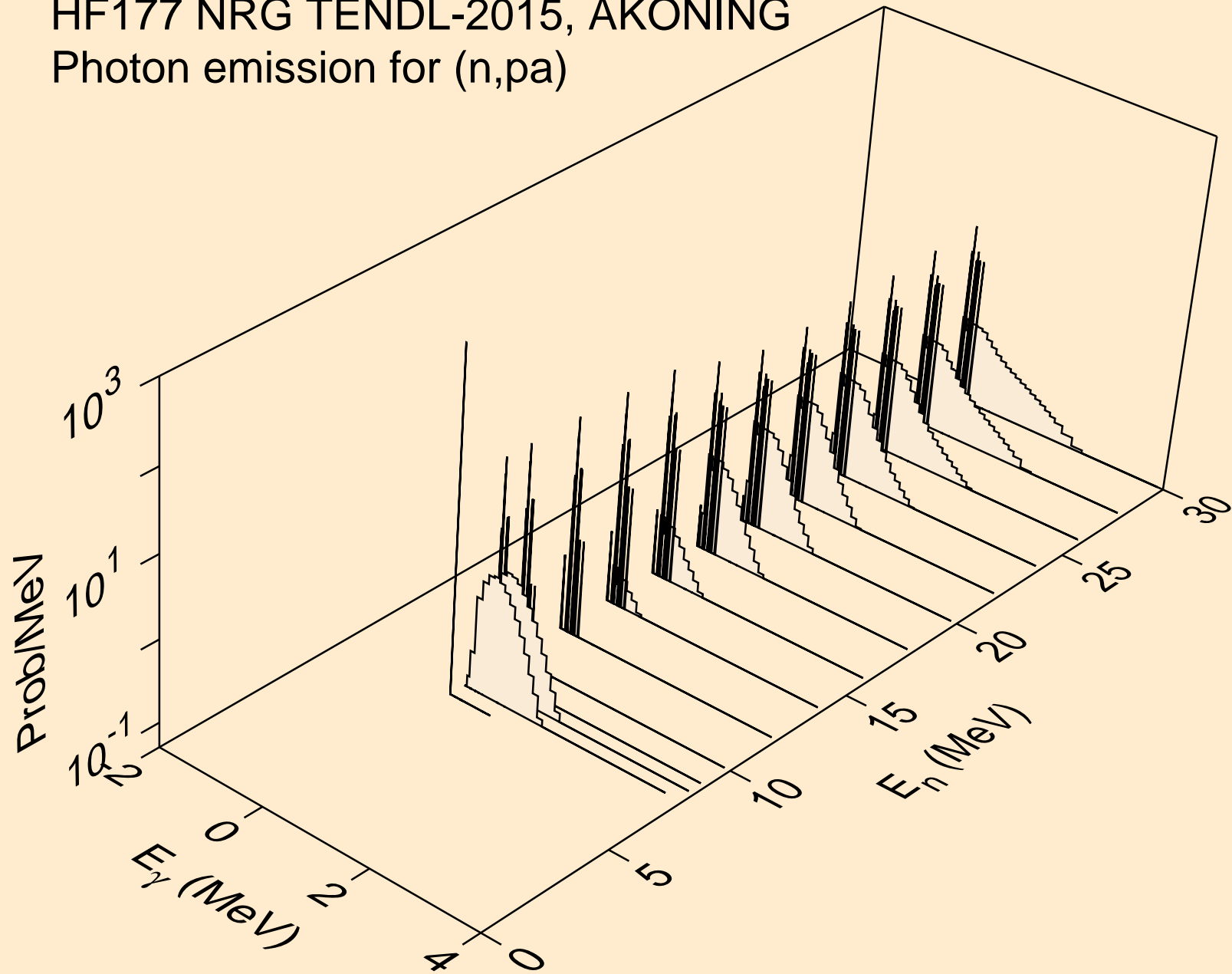
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

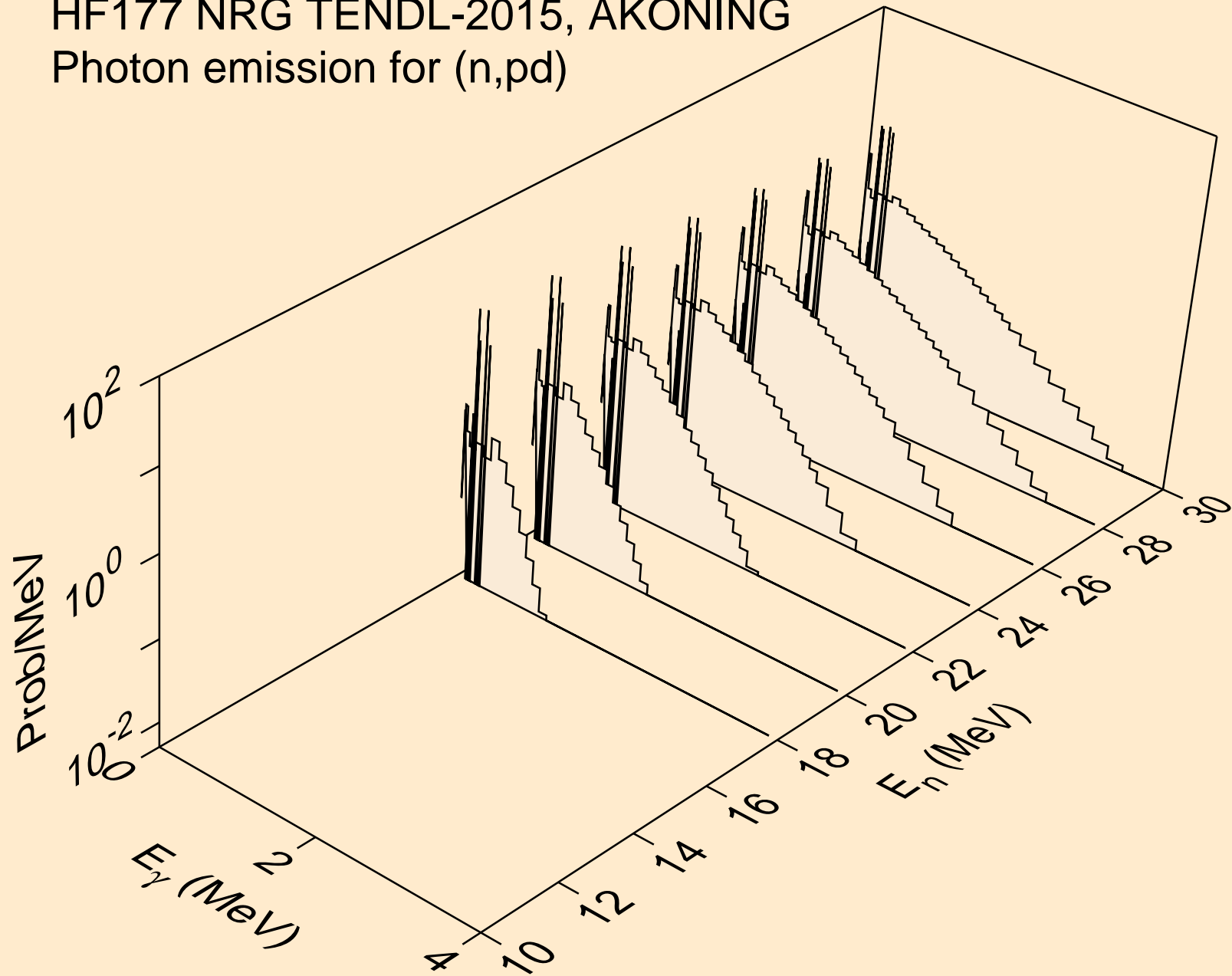


HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)

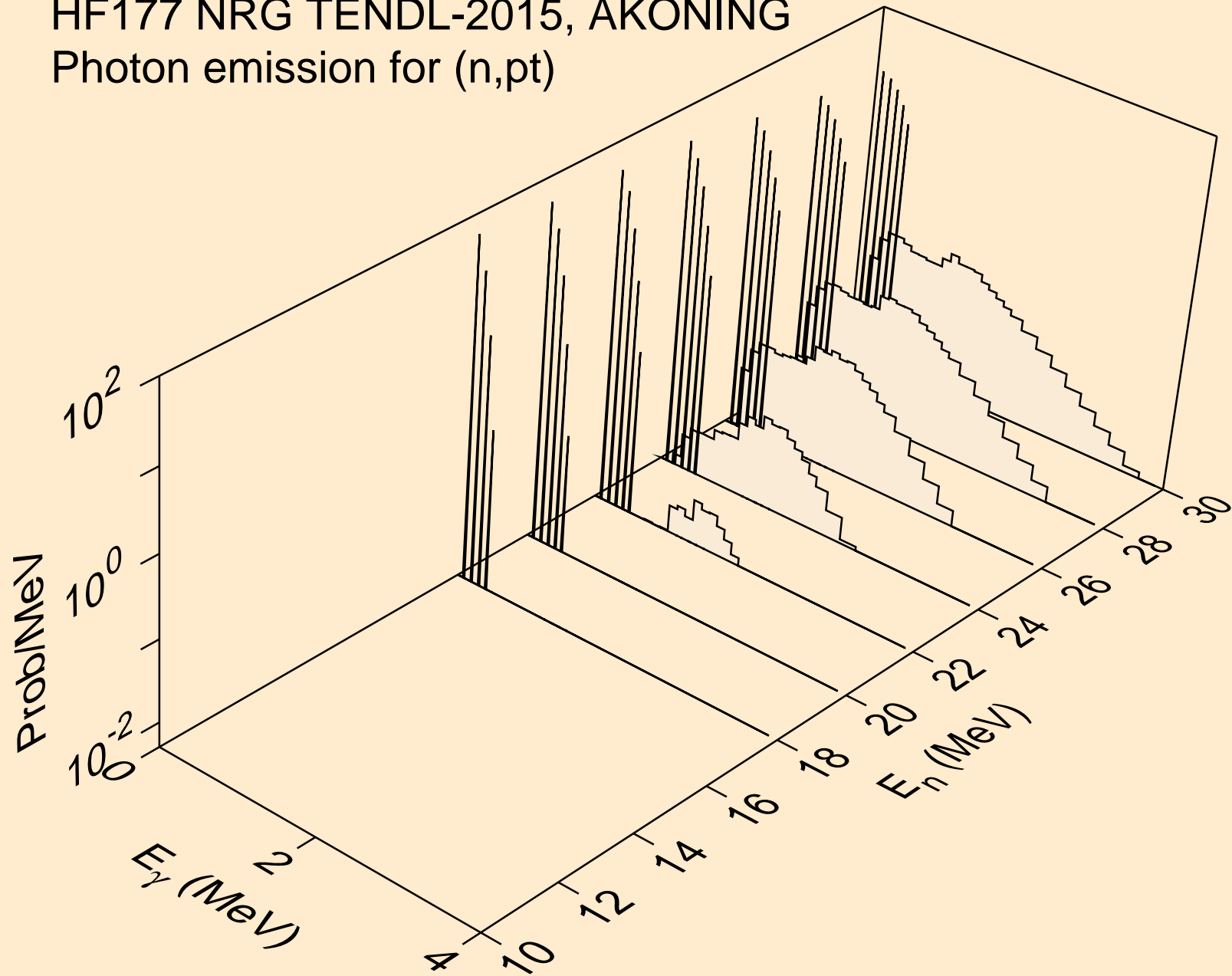




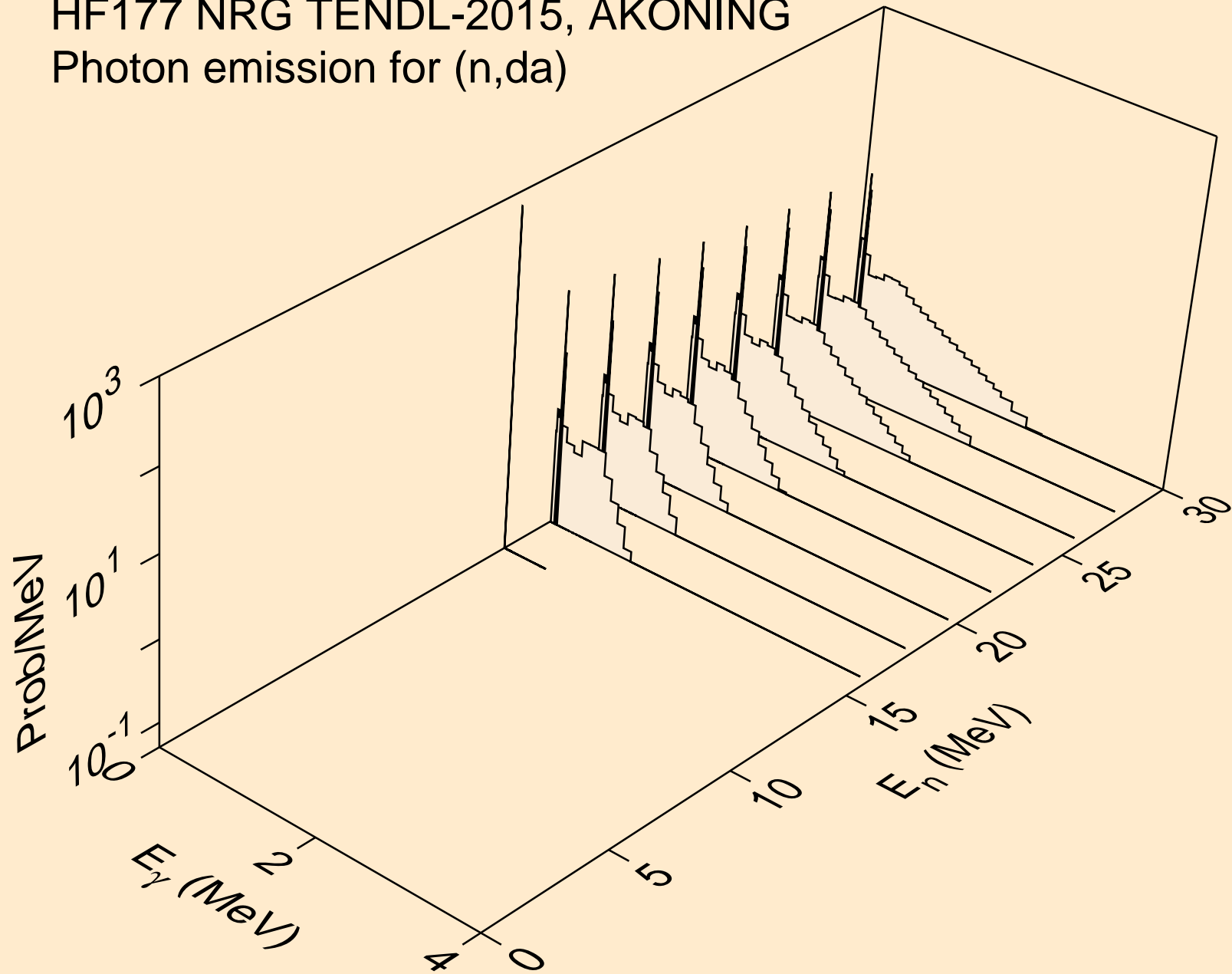
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



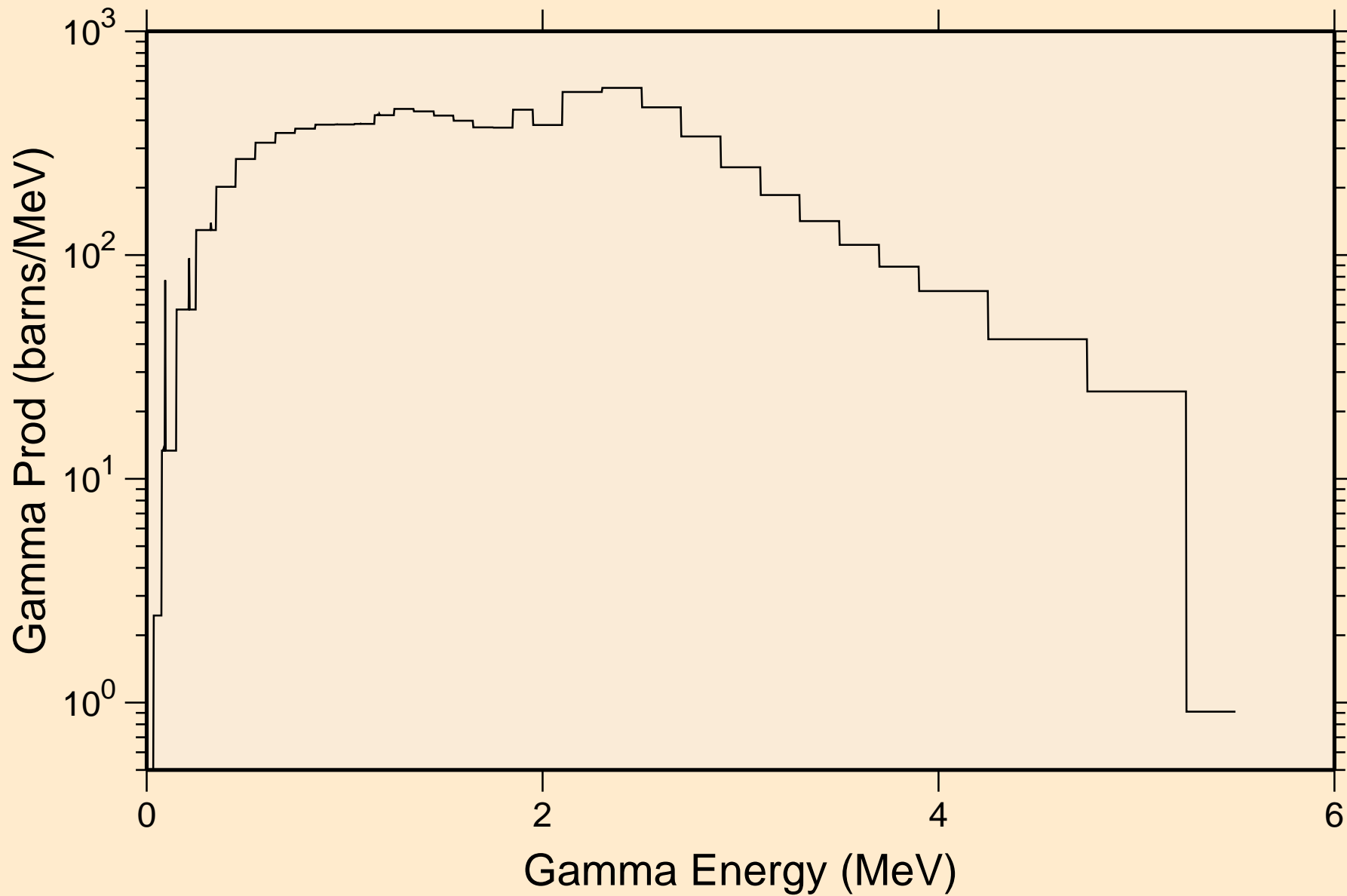
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



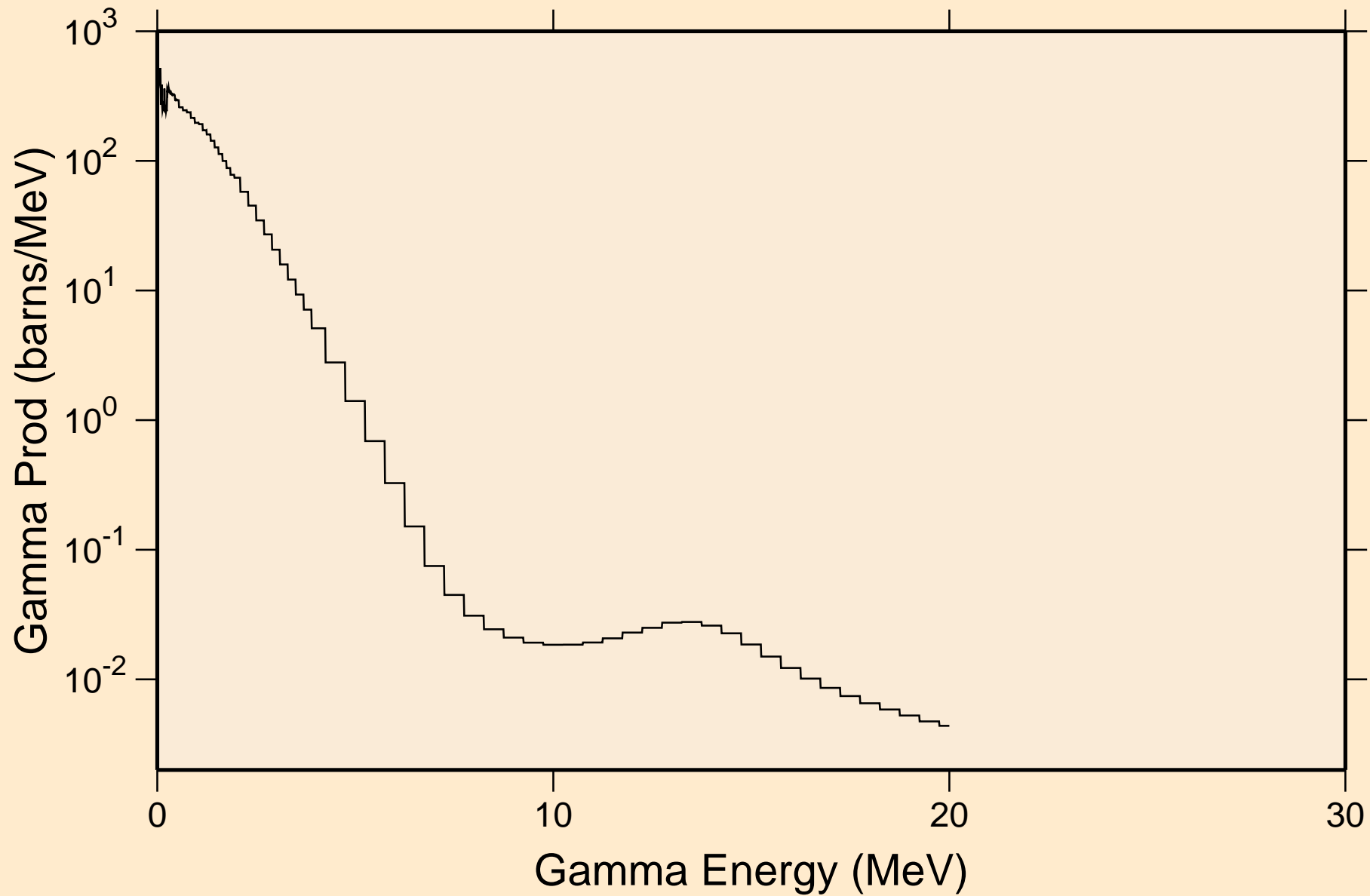
HF177 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



HF177 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

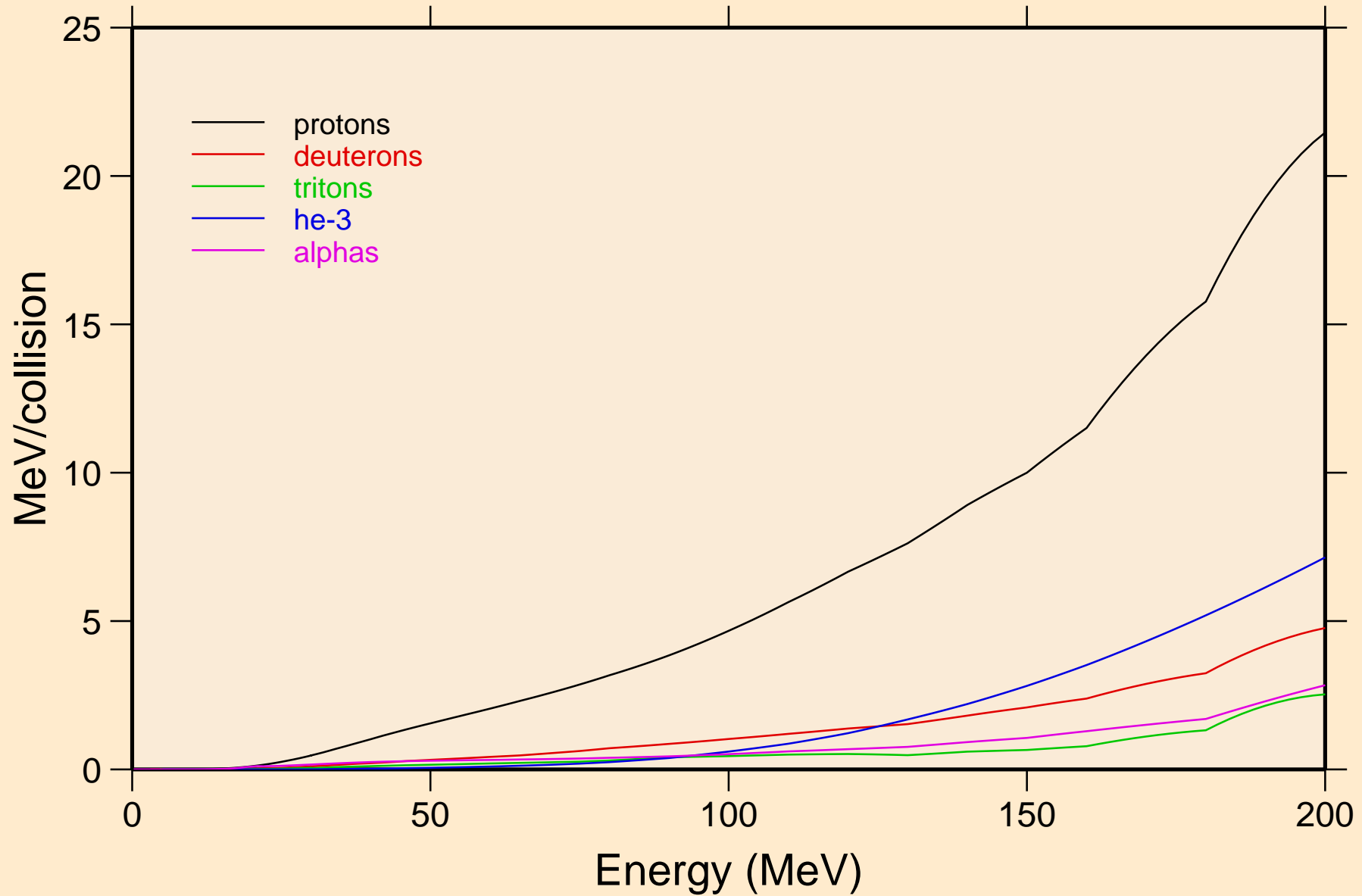


HF177 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



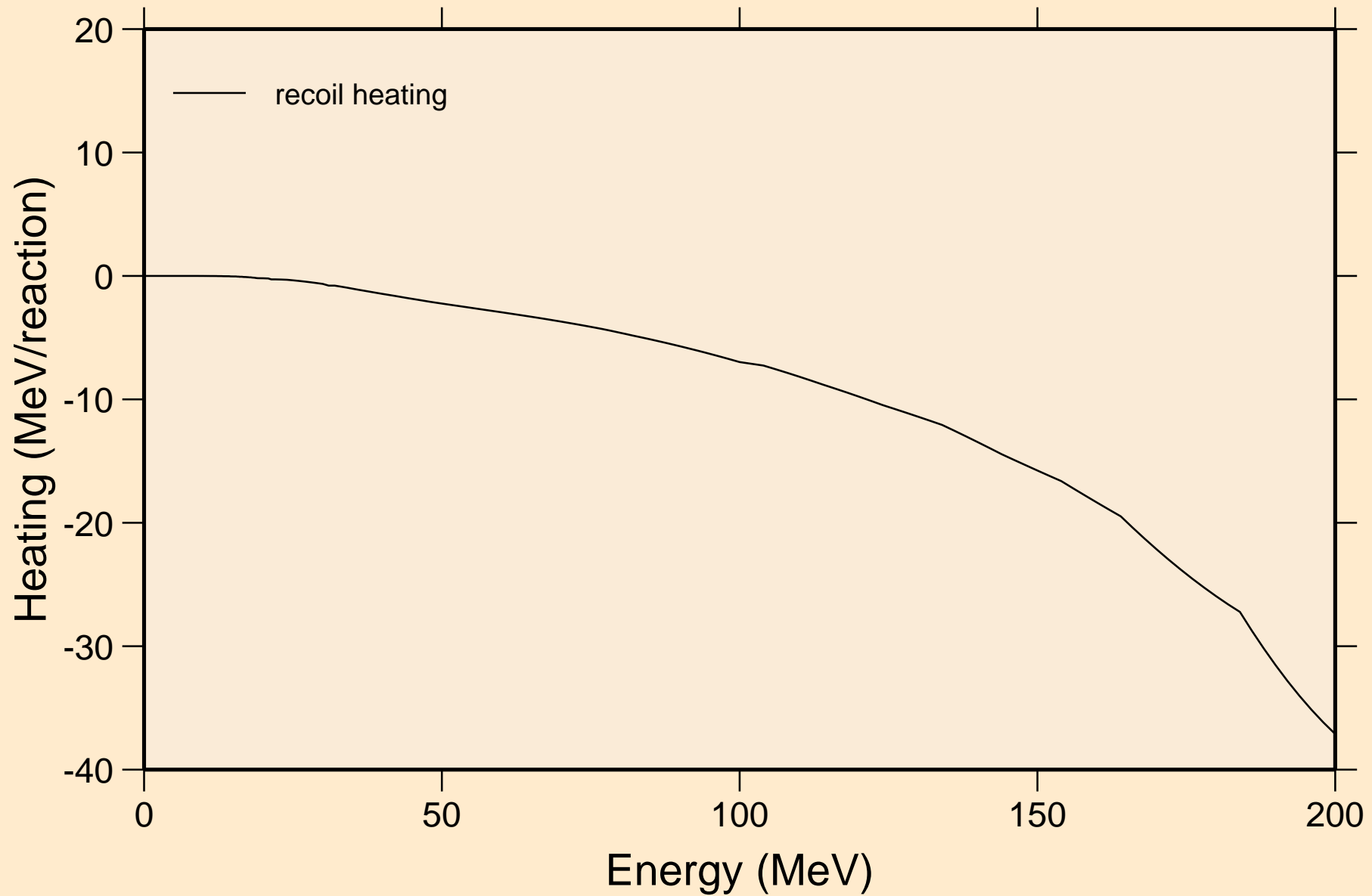
# HF177 NRG TENDL-2015, AKONING

## Particle heating contributions



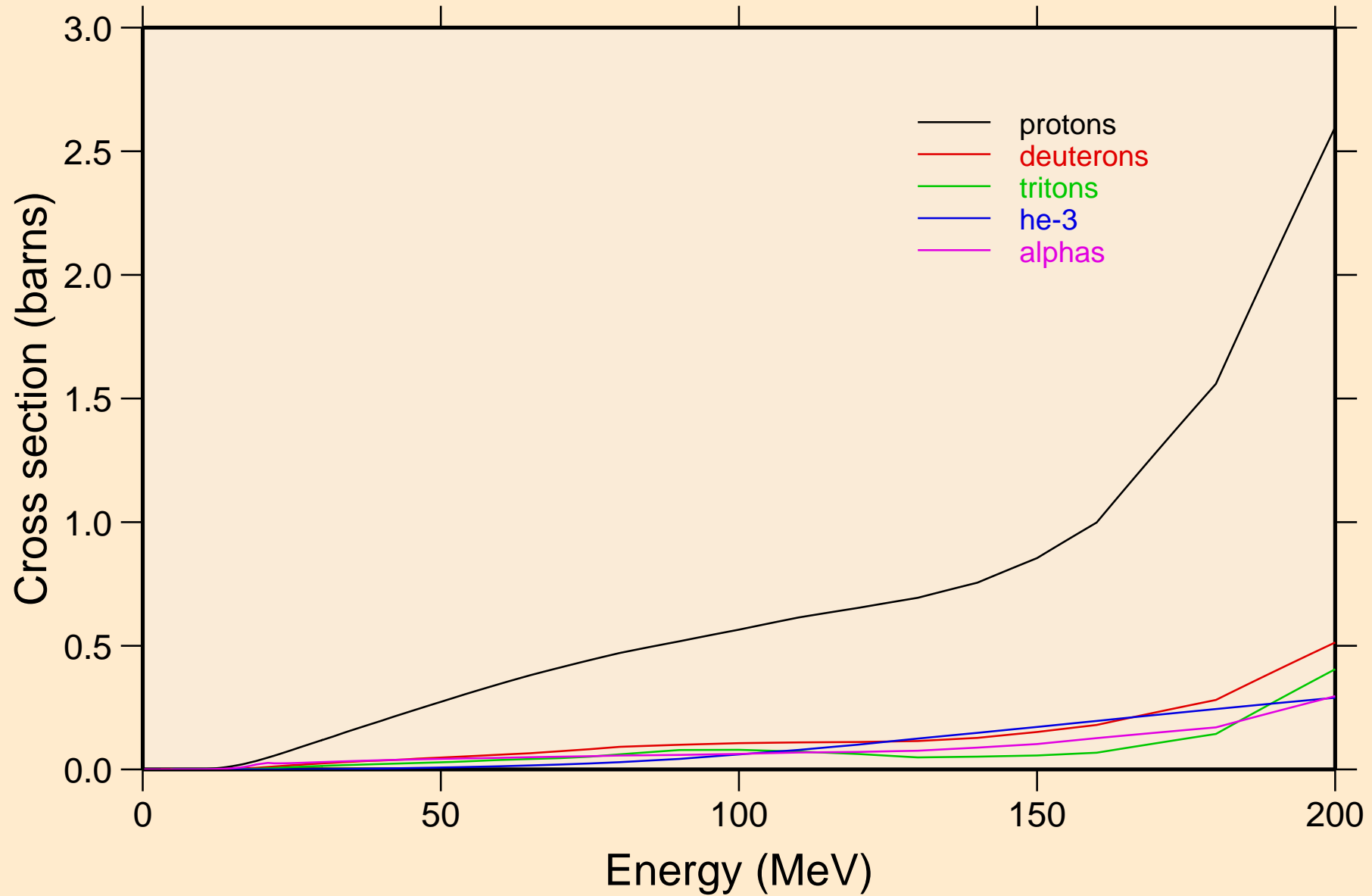
# HF177 NRG TENDL-2015, AKONING

## Recoil Heating



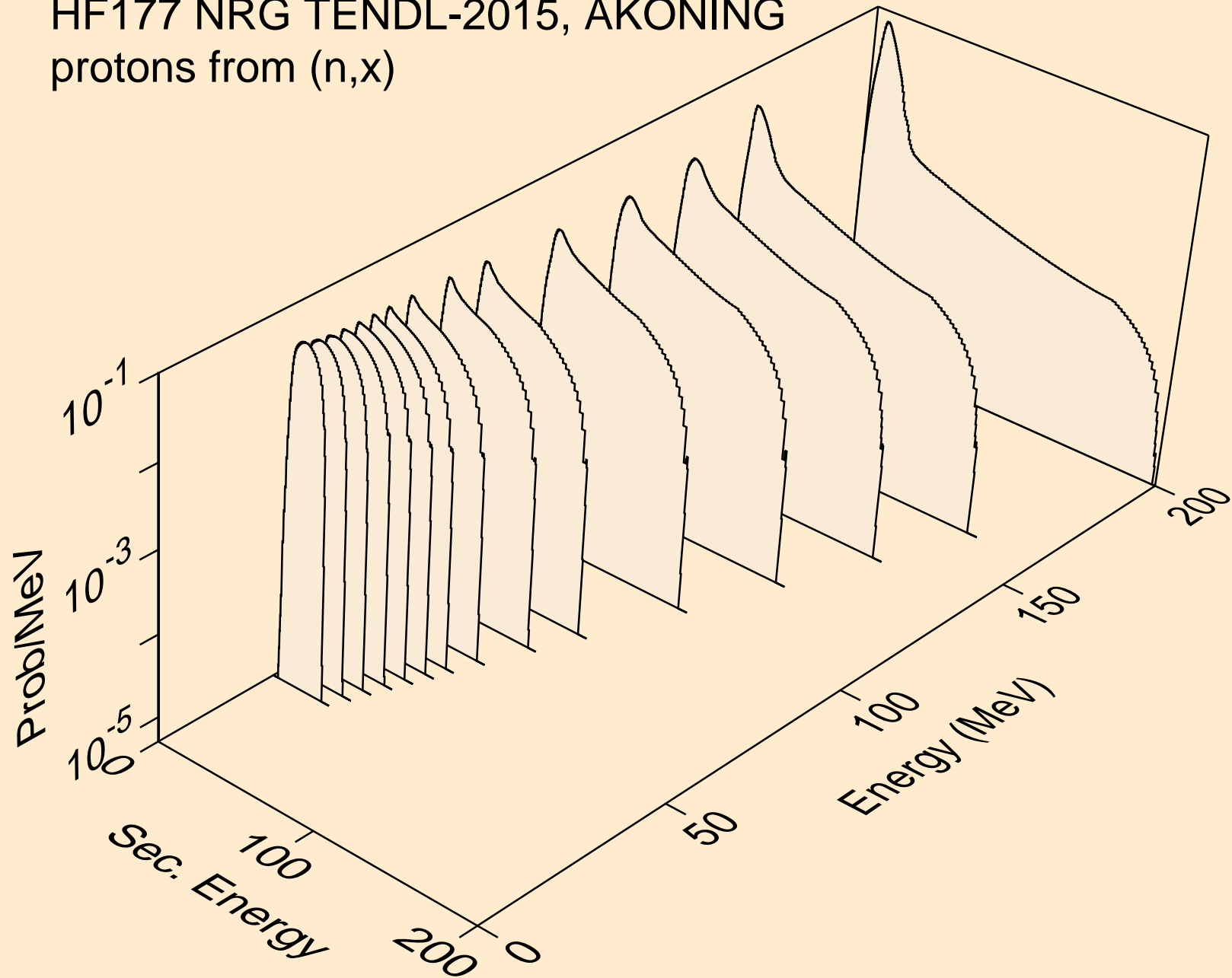
# HF177 NRG TENDL-2015, AKONING

## Particle production cross sections

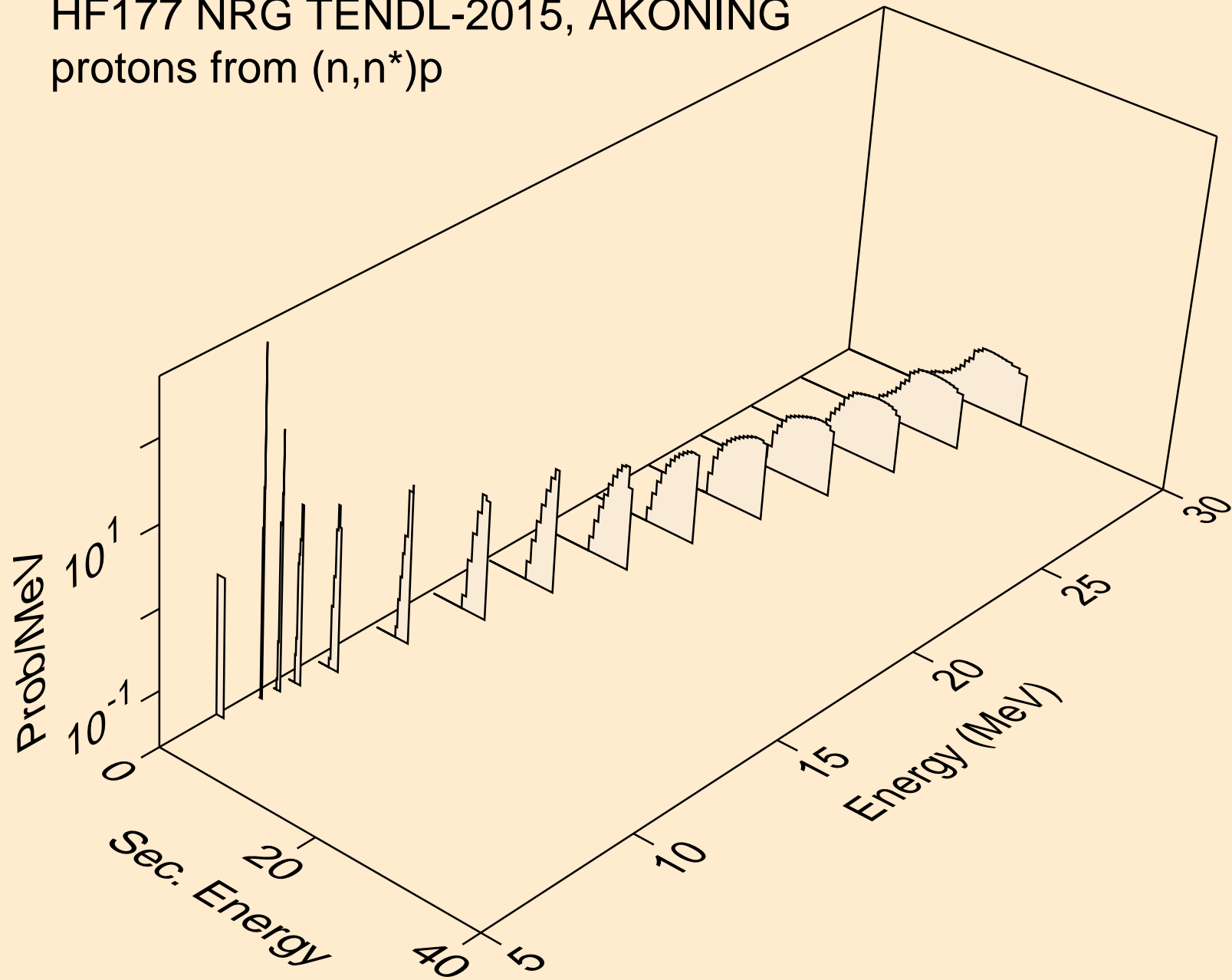




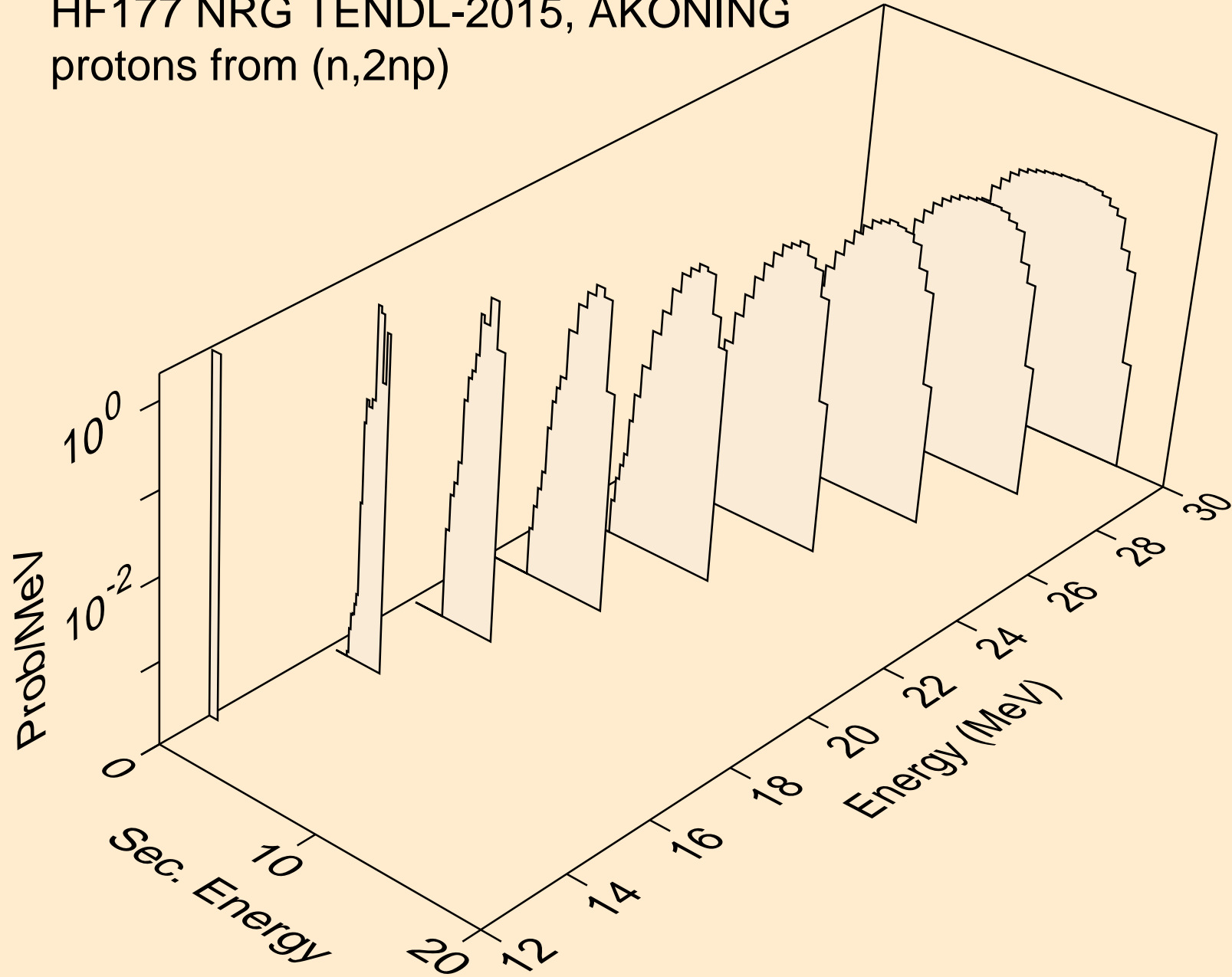
HF177 NRG TENDL-2015, AKONING  
protons from (n,x)



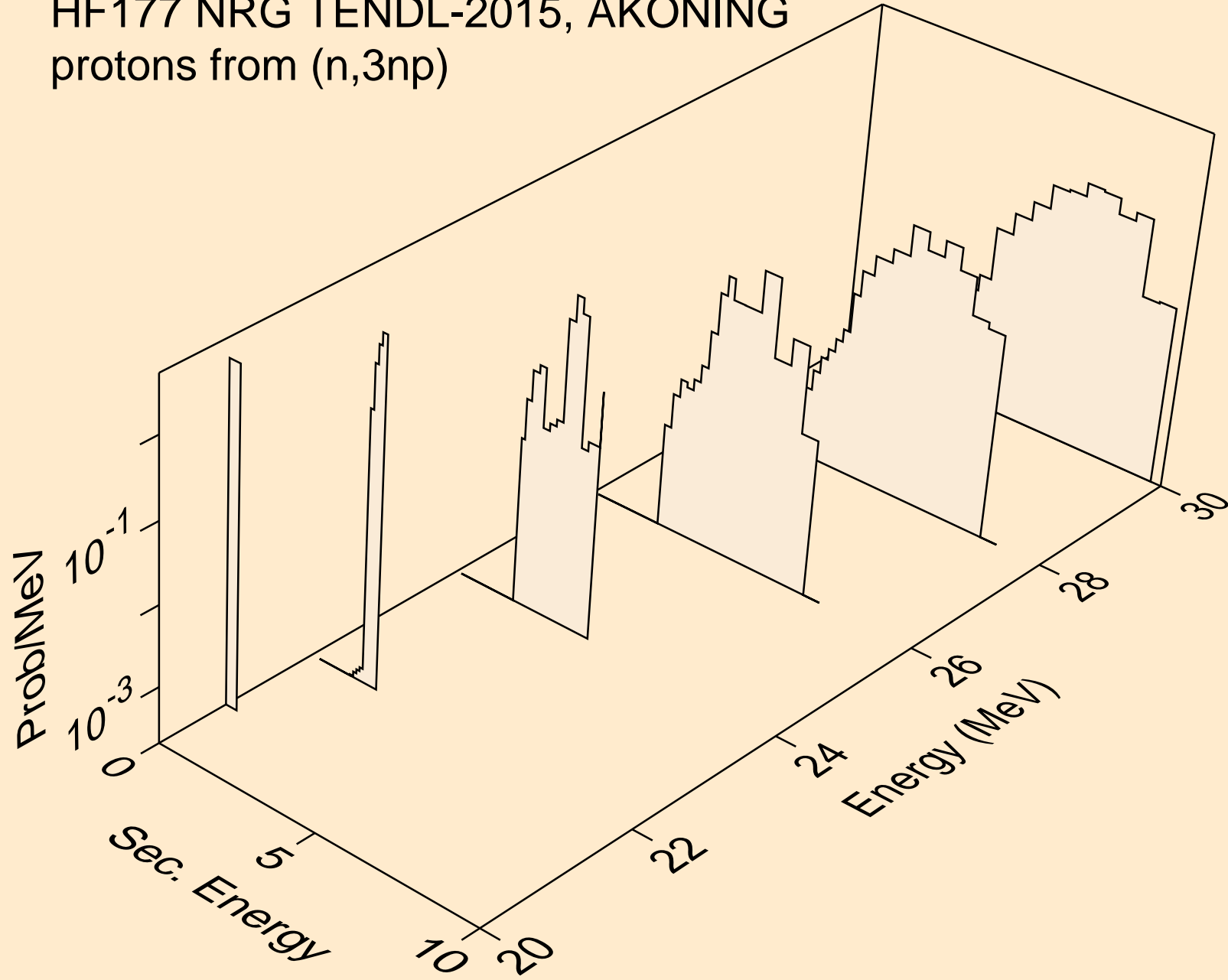
HF177 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



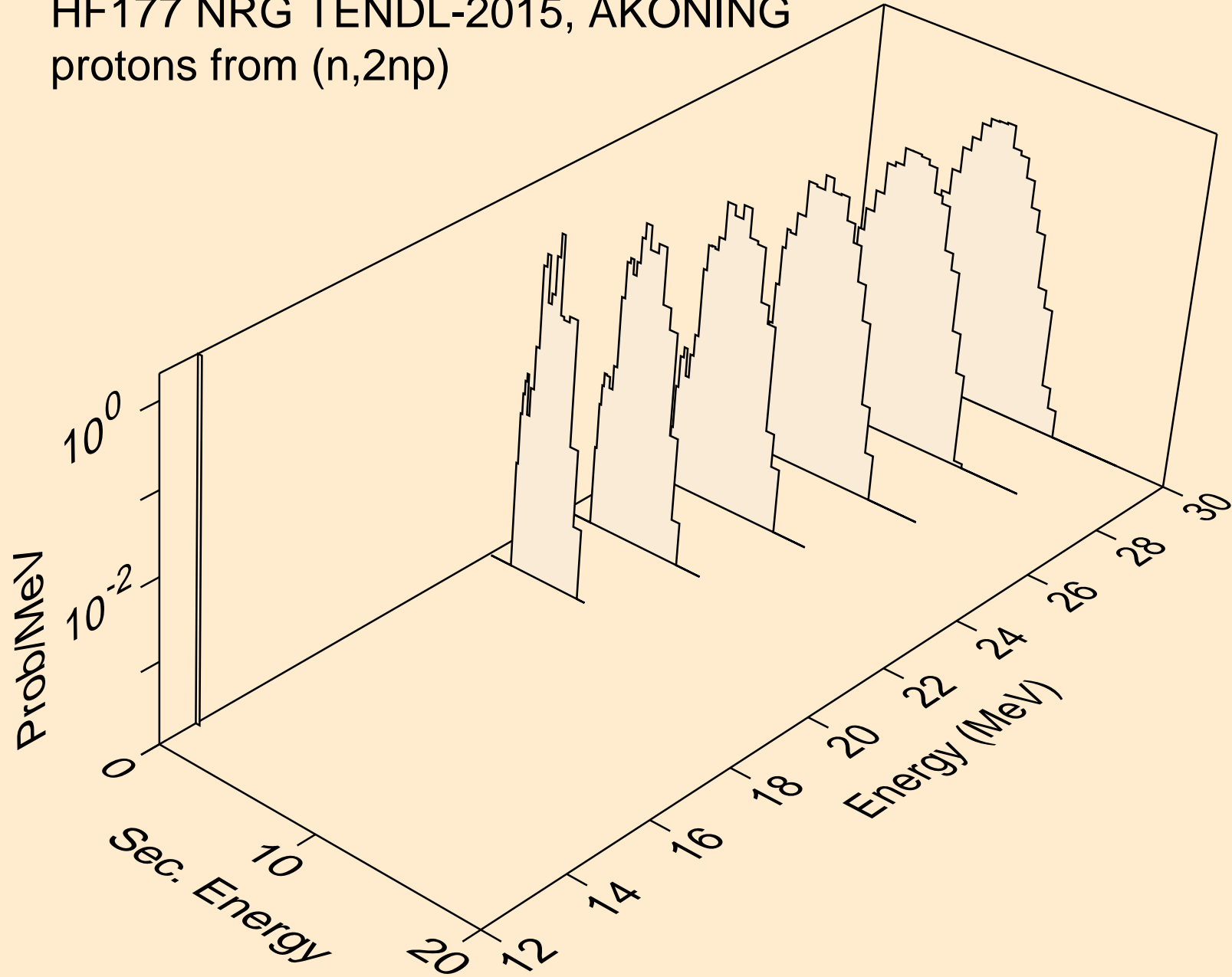
HF177 NRG TENDL-2015, AKONING  
protons from (n,2np)



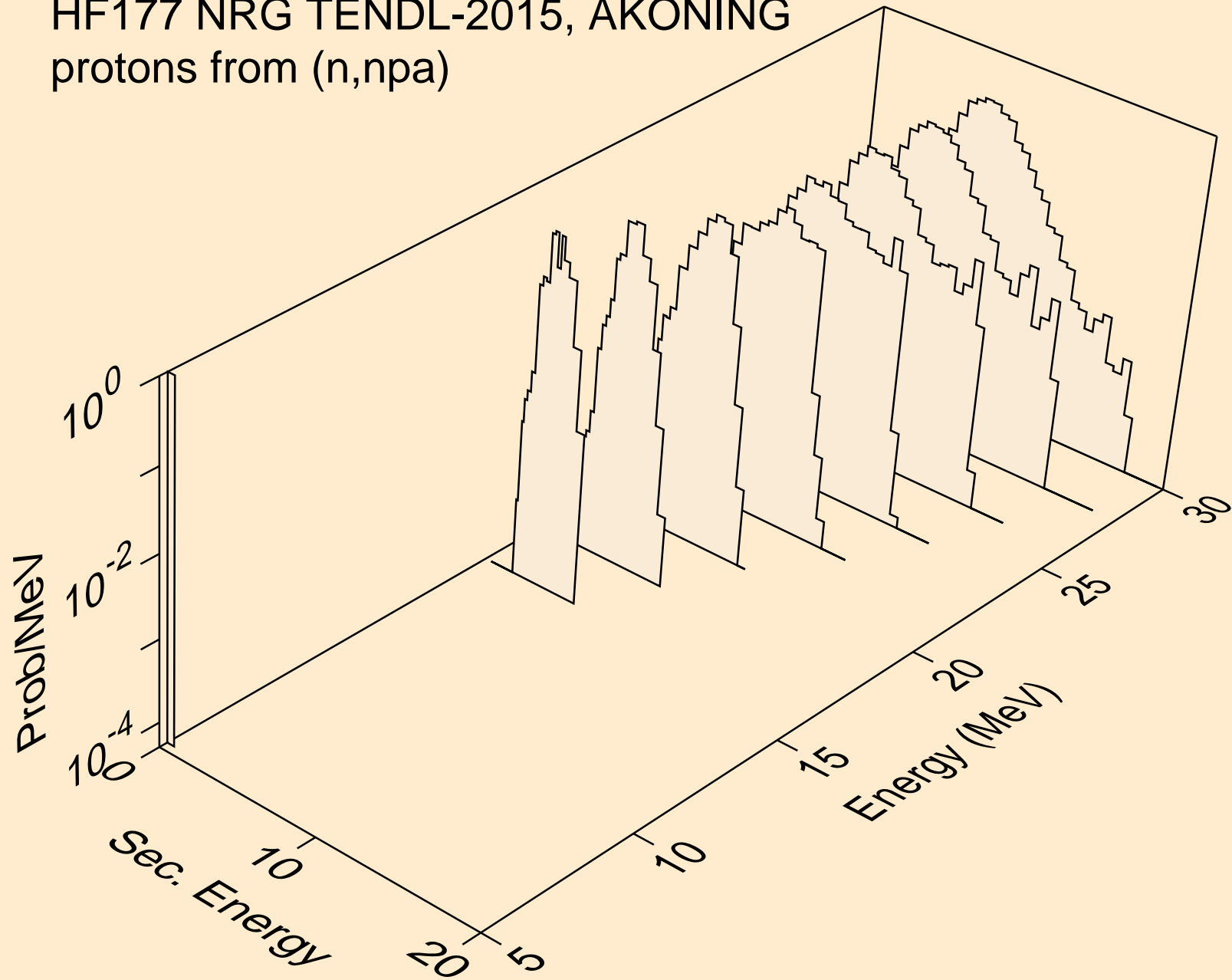
HF177 NRG TENDL-2015, AKONING  
protons from (n,3np)



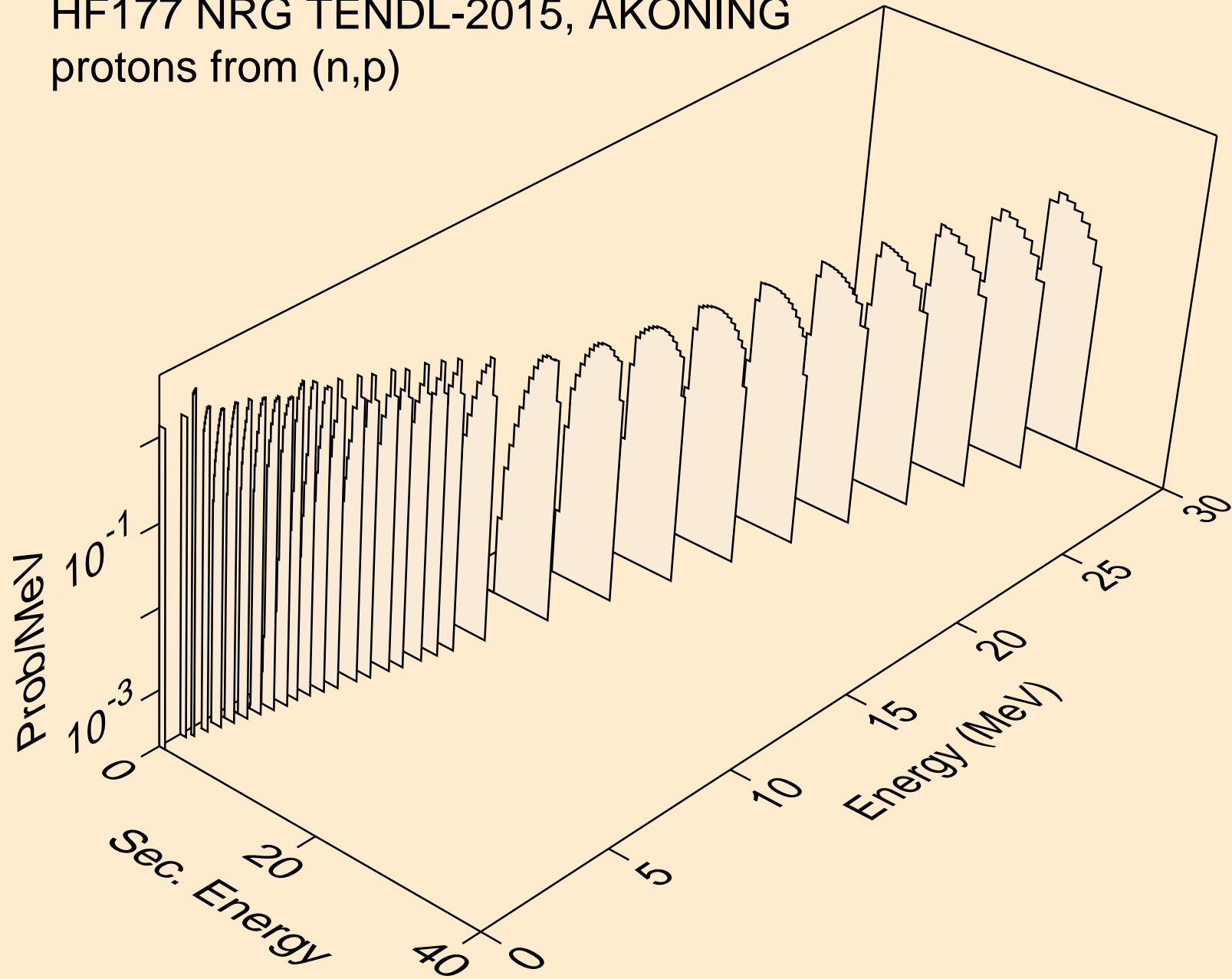
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protons from (n,2np)



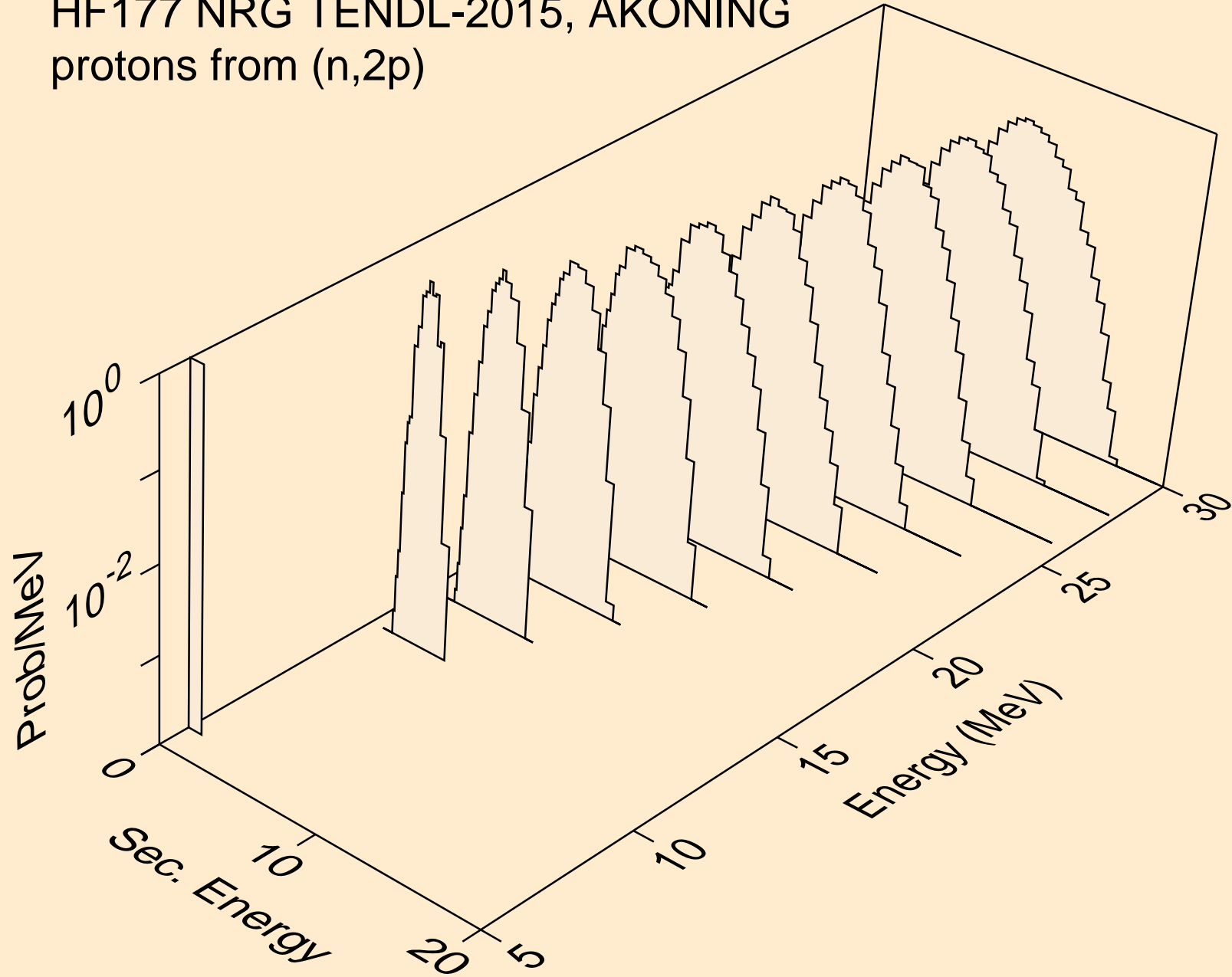
HF177 NRG TENDL-2015, AKONING  
protons from (n,npa)



HF177 NRG TENDL-2015, AKONING  
protons from (n,p)

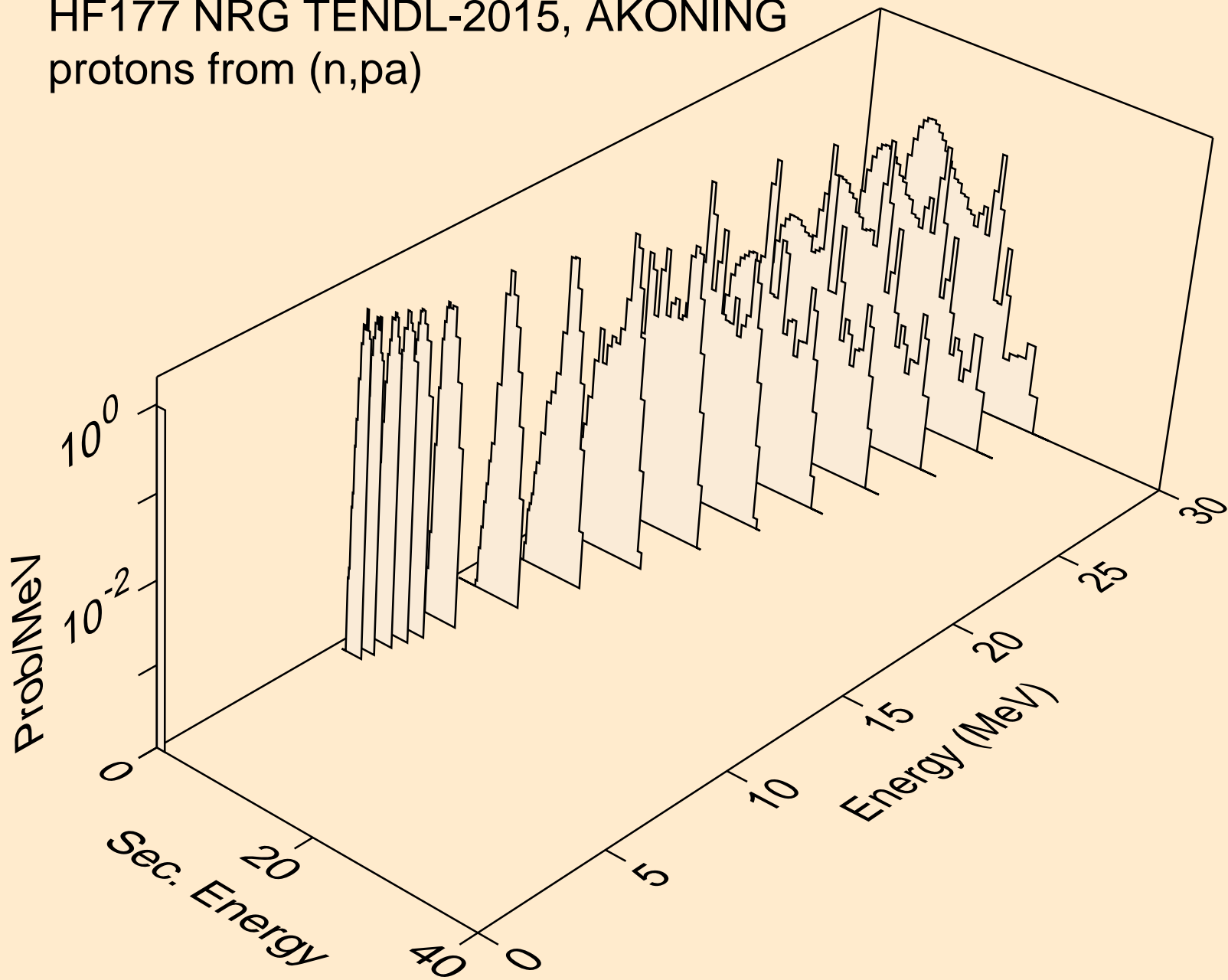


HF177 NRG TENDL-2015, AKONING  
protons from (n,2p)

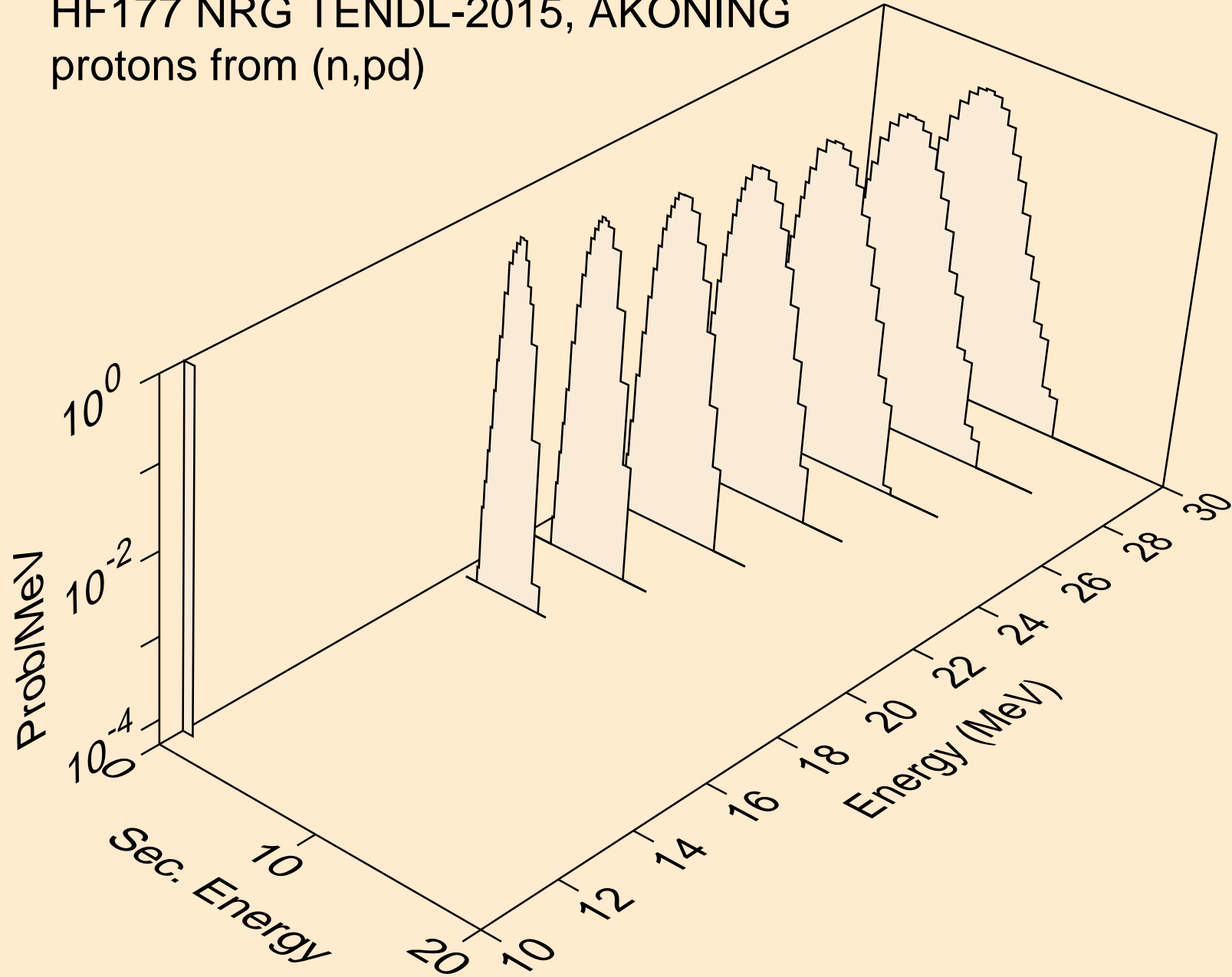




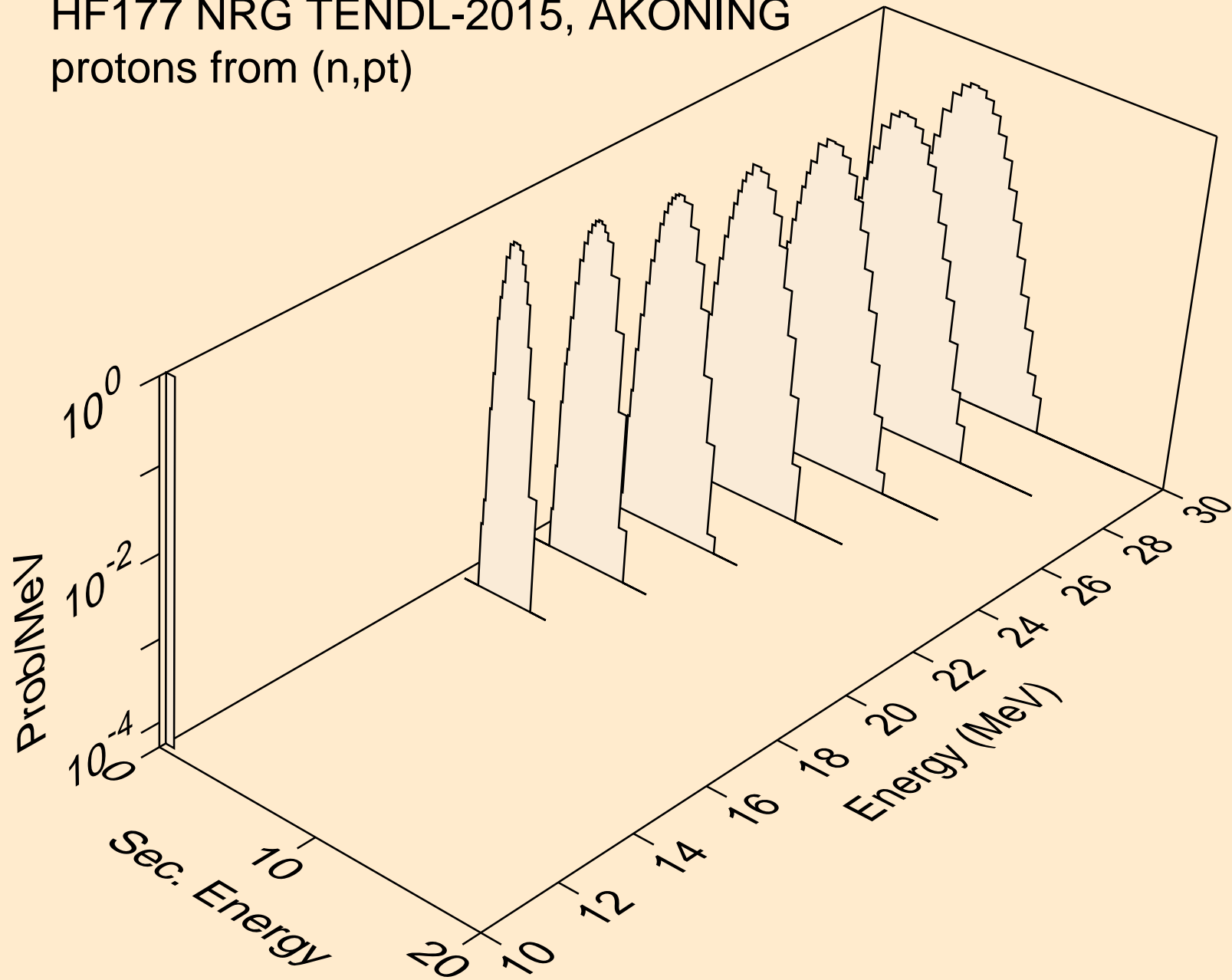
HF177 NRG TENDL-2015, AKONING  
protons from (n,pa)



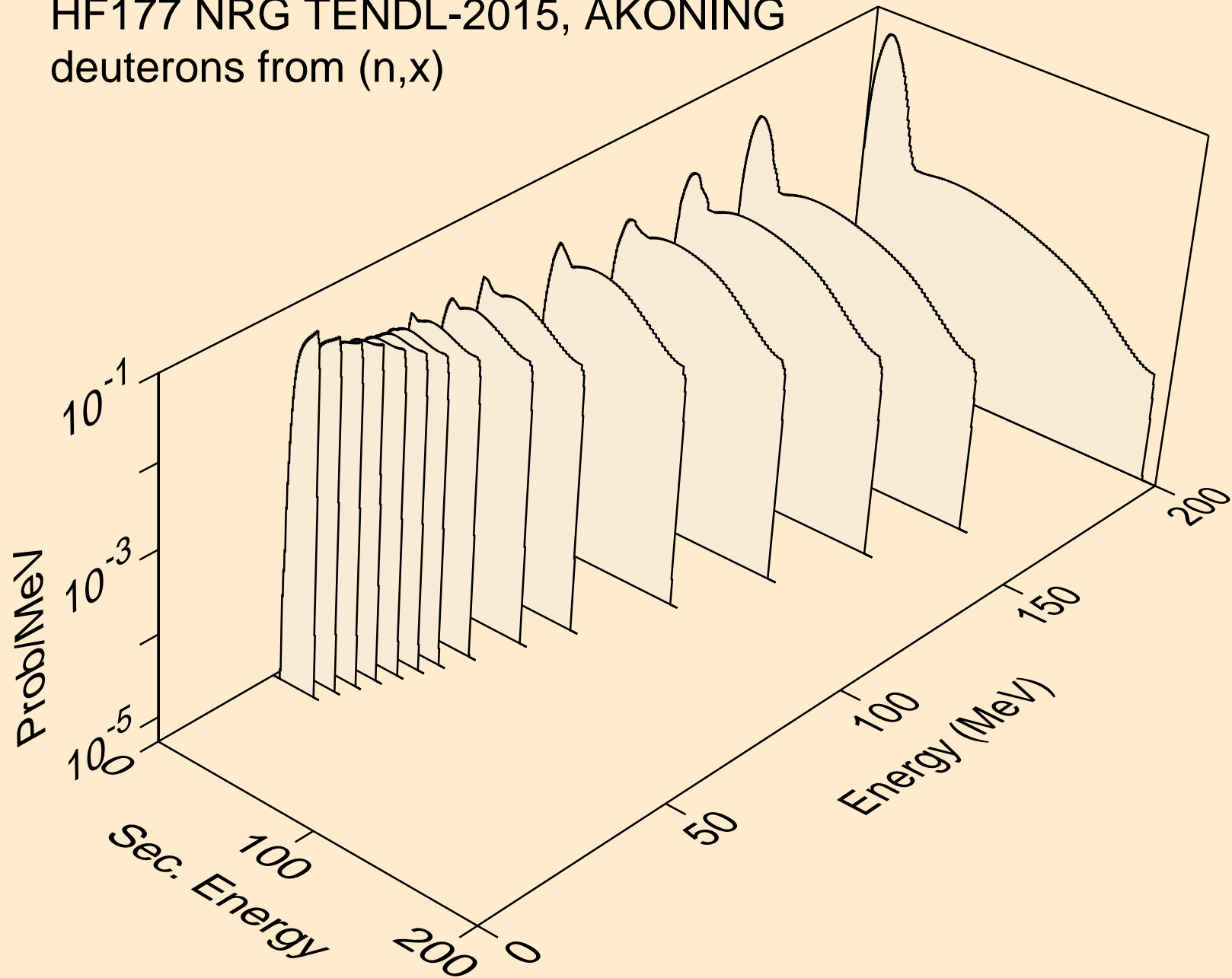
HF177 NRG TENDL-2015, AKONING  
protons from (n,pd)



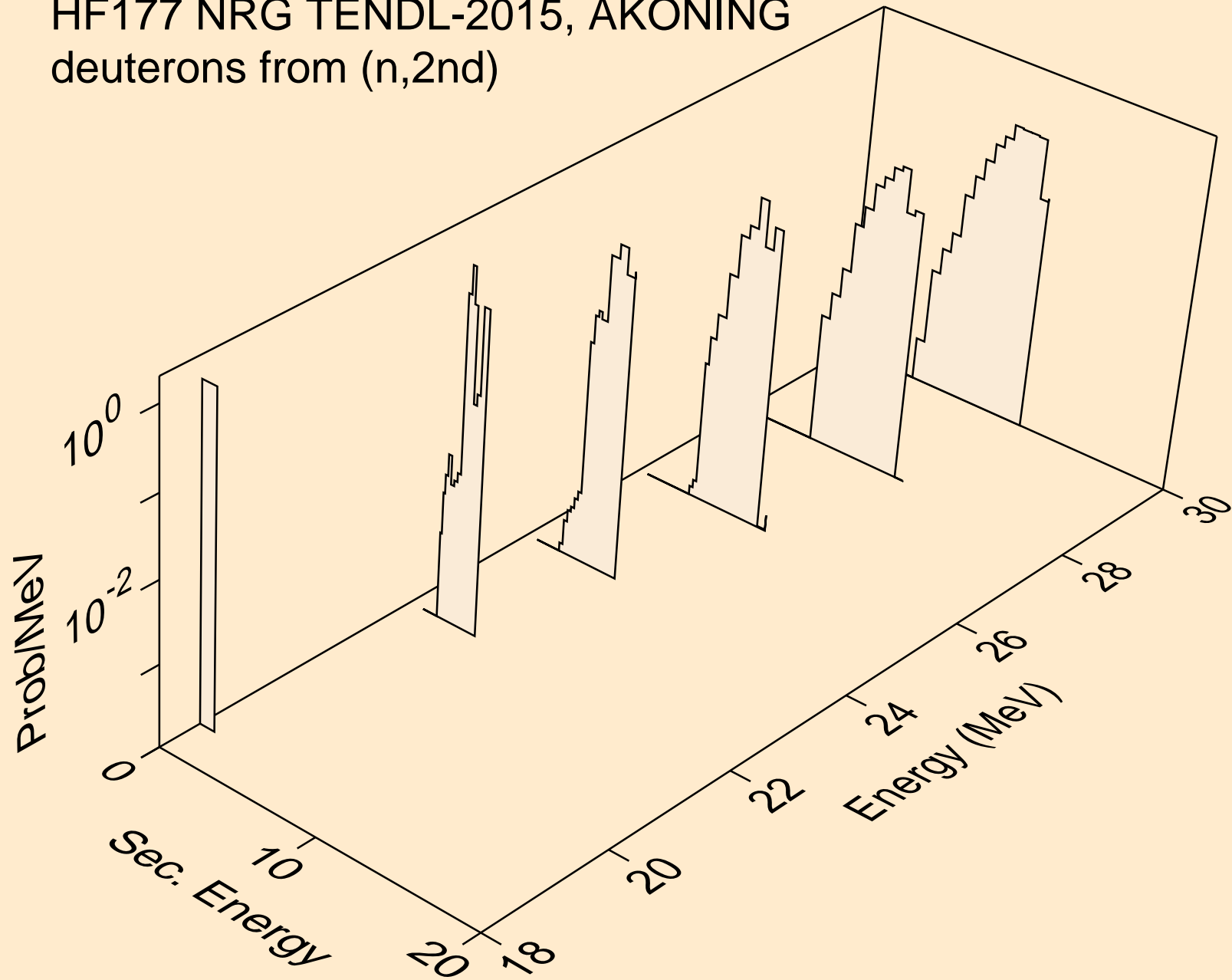
HF177 NRG TENDL-2015, AKONING  
protons from (n,pt)



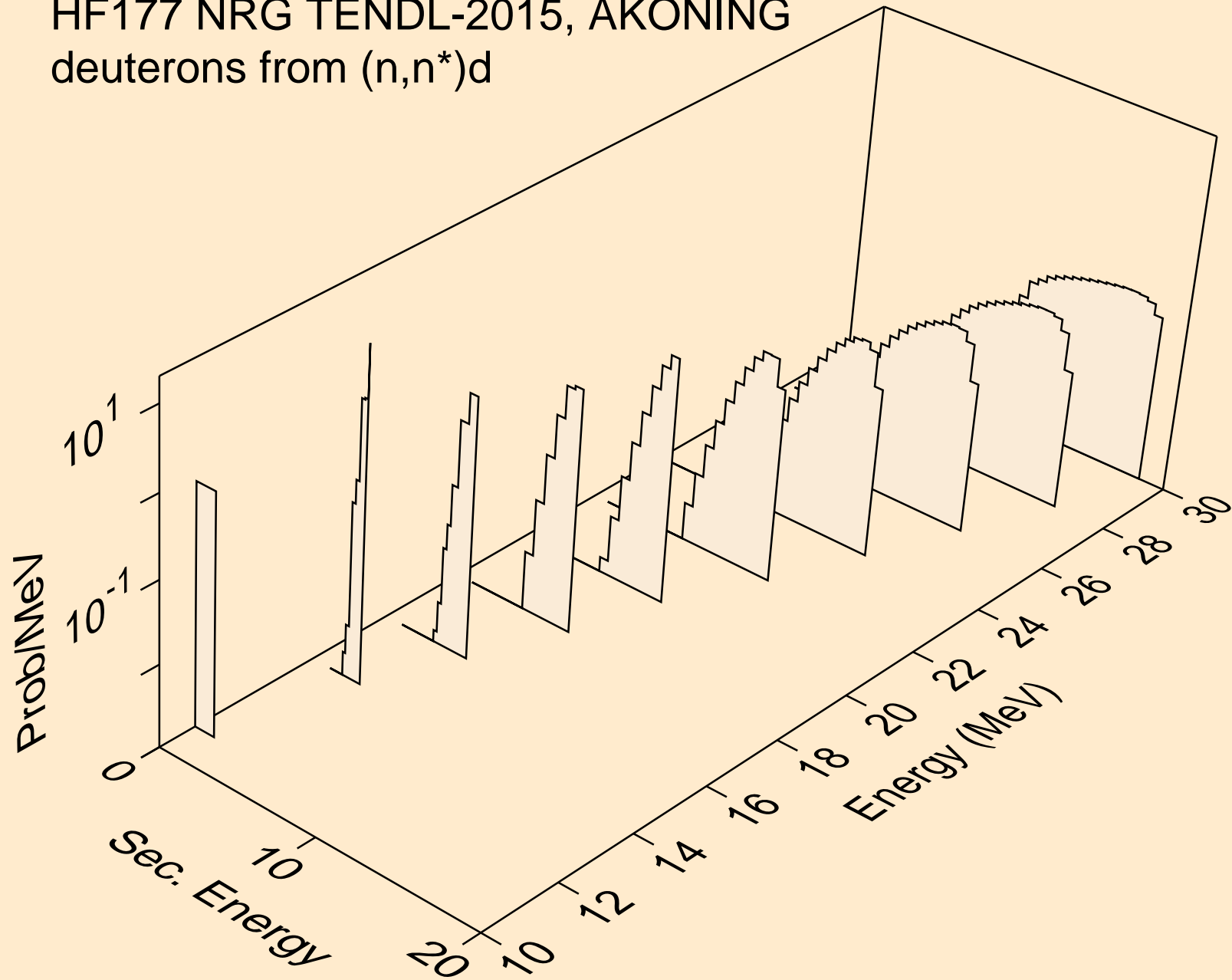
HF177 NRG TENDL-2015, AKONING  
deuterons from (n,x)



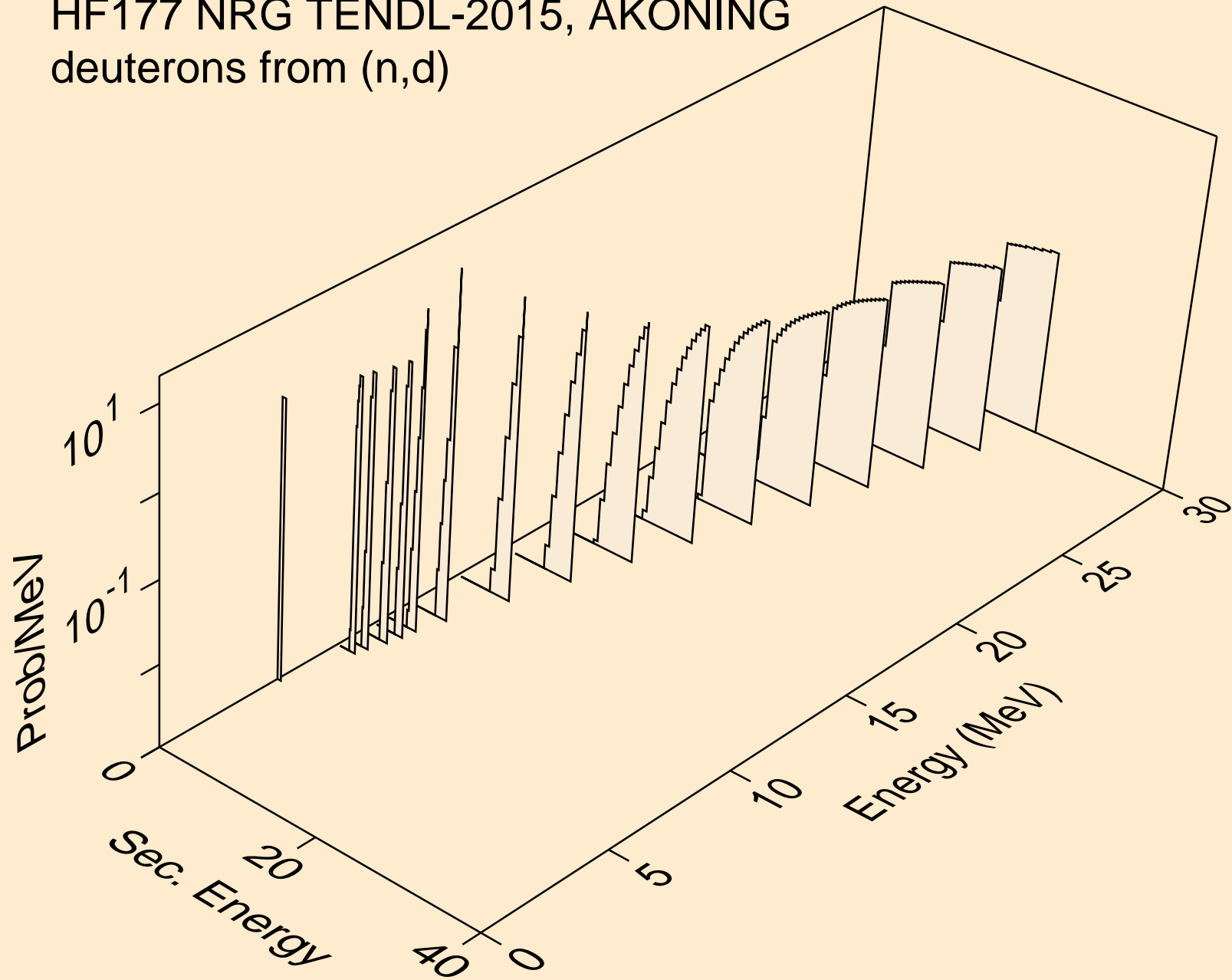
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deuterons from (n,2nd)



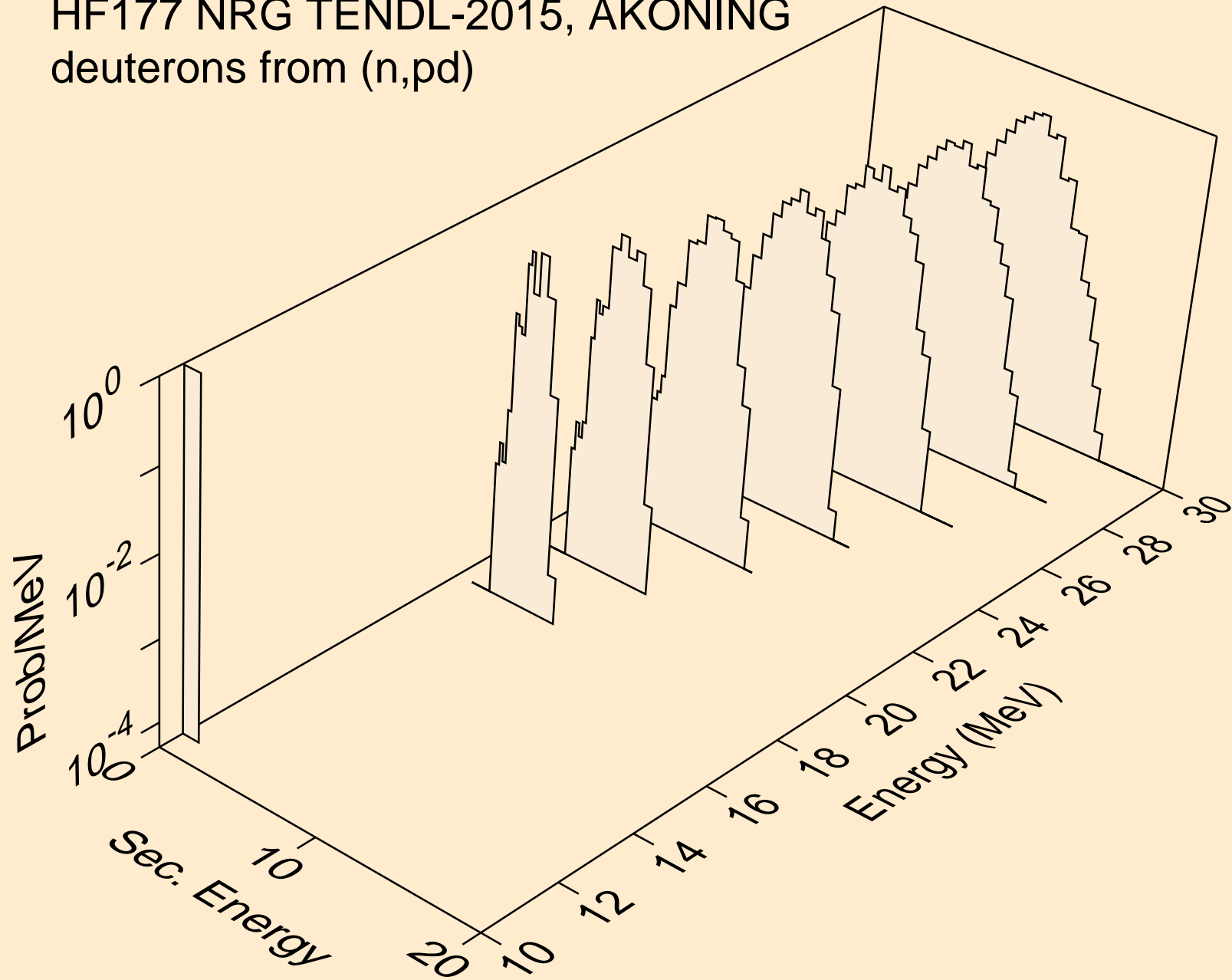
HF177 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



HF177 NRG TENDL-2015, AKONING  
deuterons from (n,d)

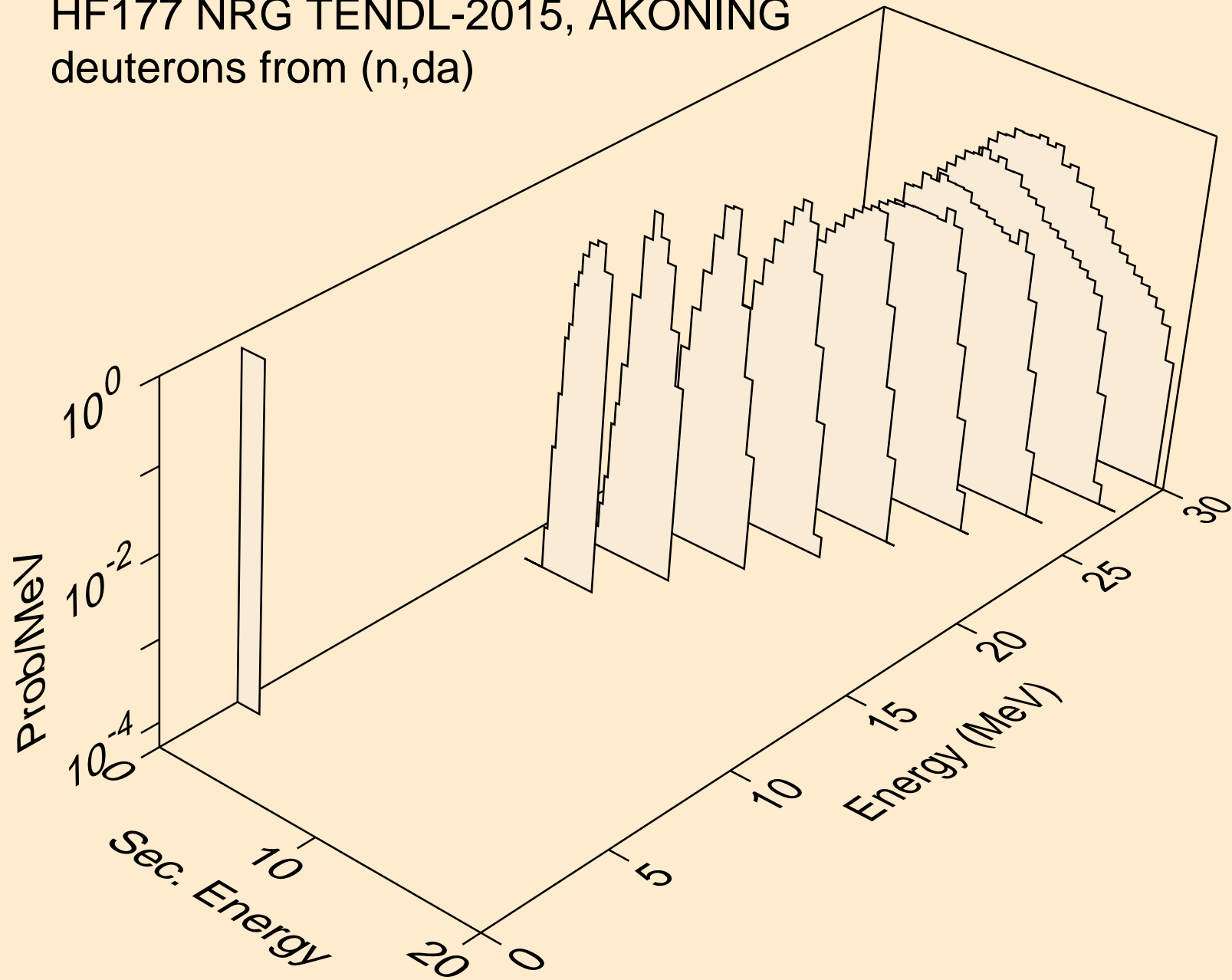


HF177 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

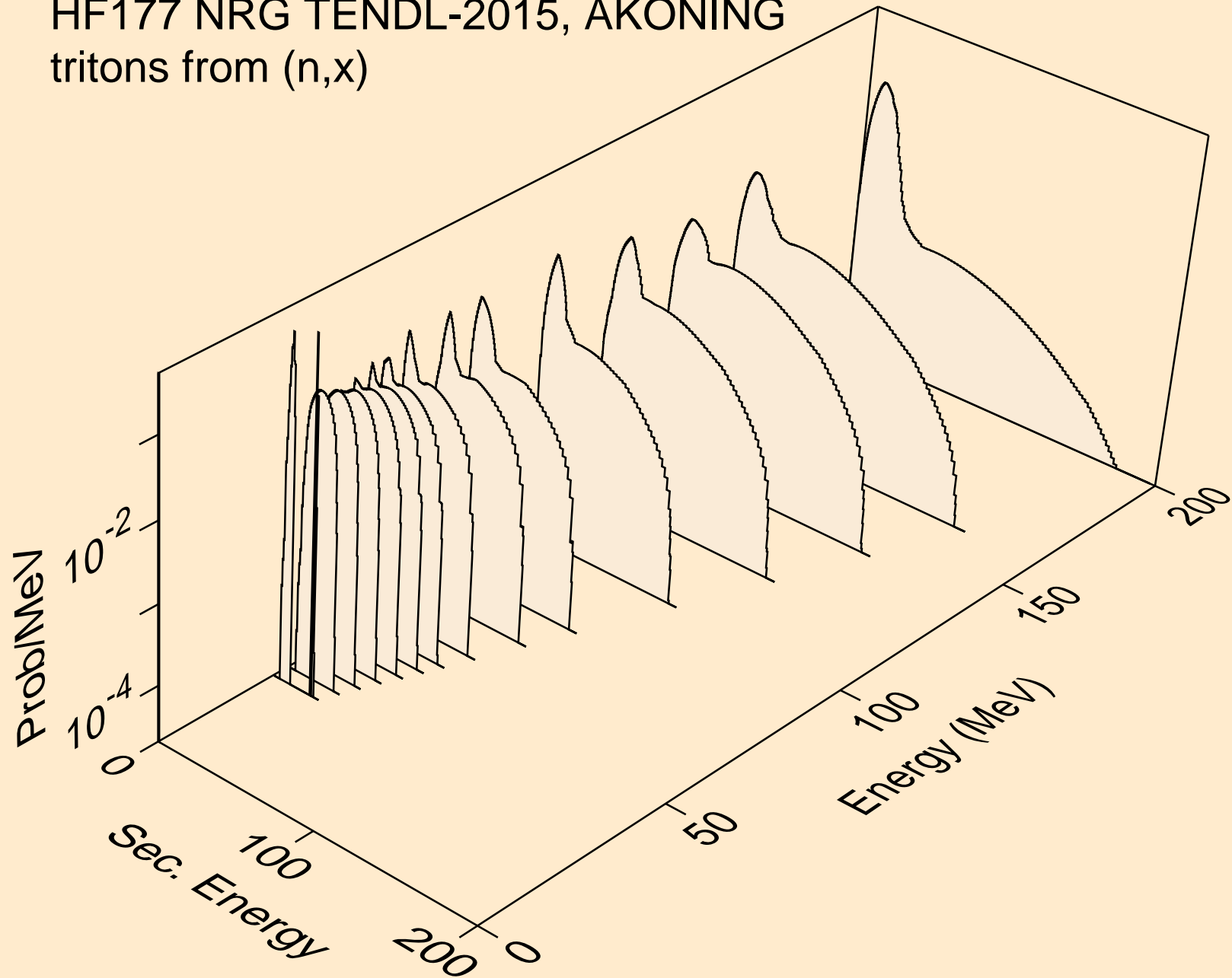




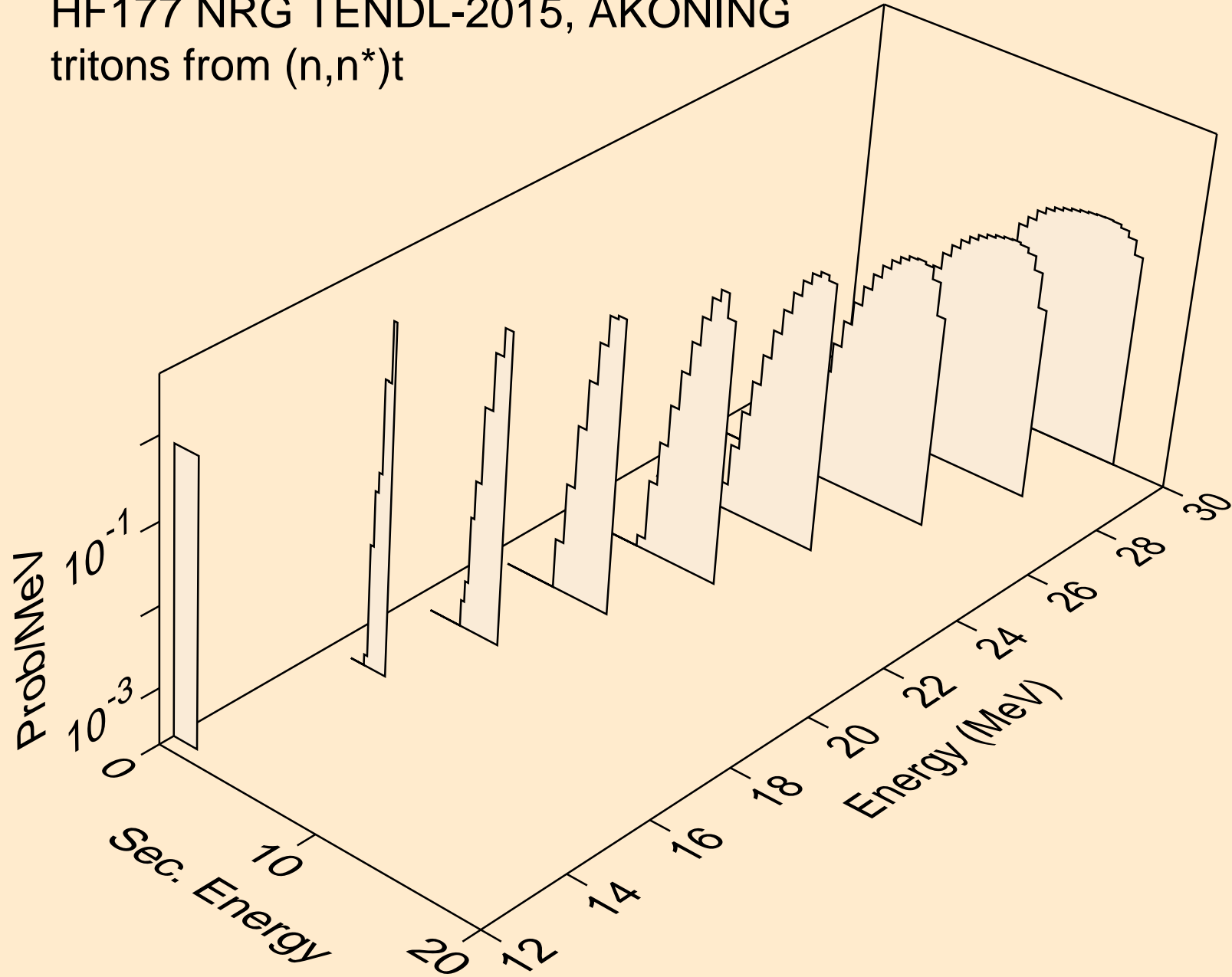
HF177 NRG TENDL-2015, AKONING  
deuterons from (n,da)



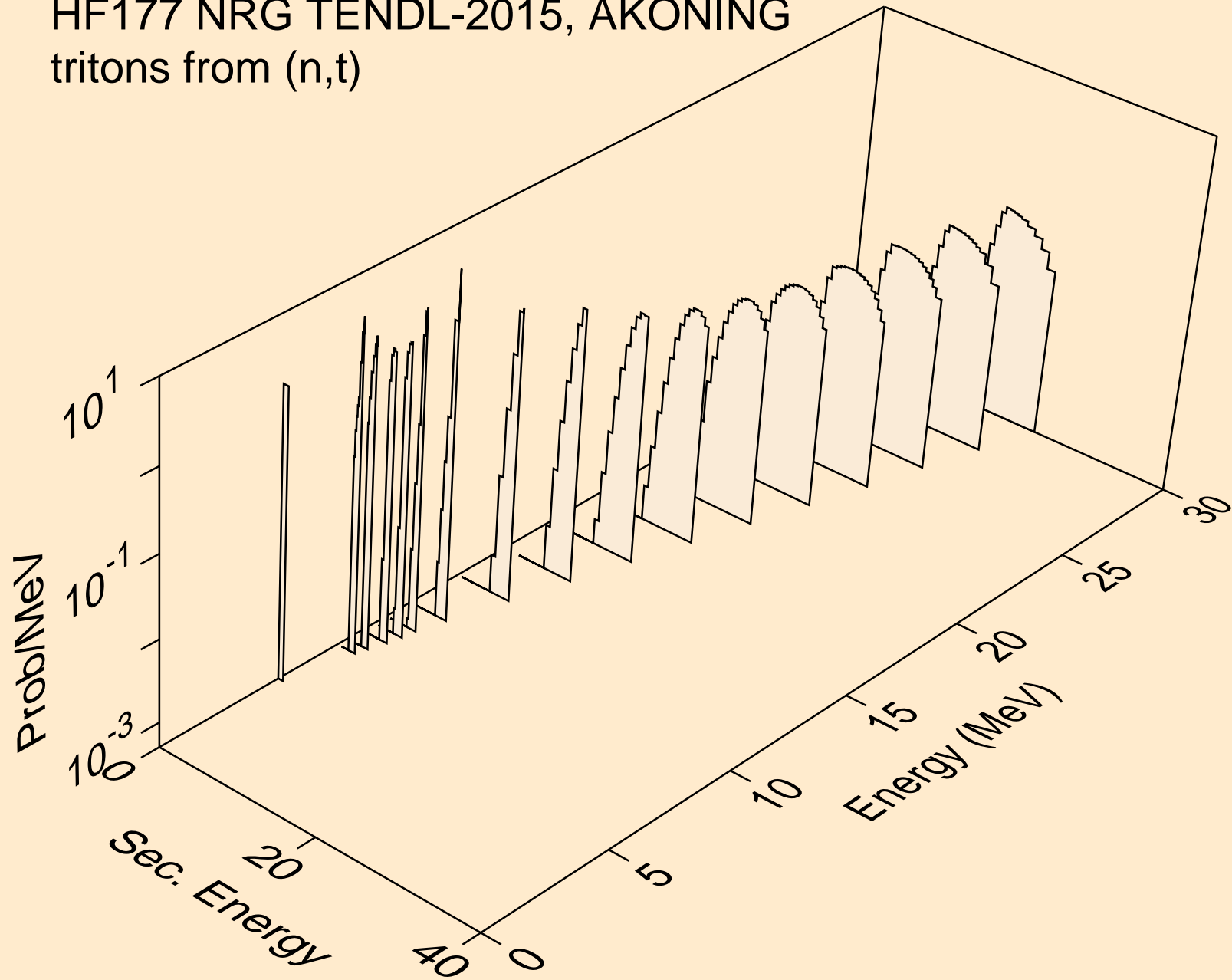
HF177 NRG TENDL-2015, AKONING  
tritons from (n,x)



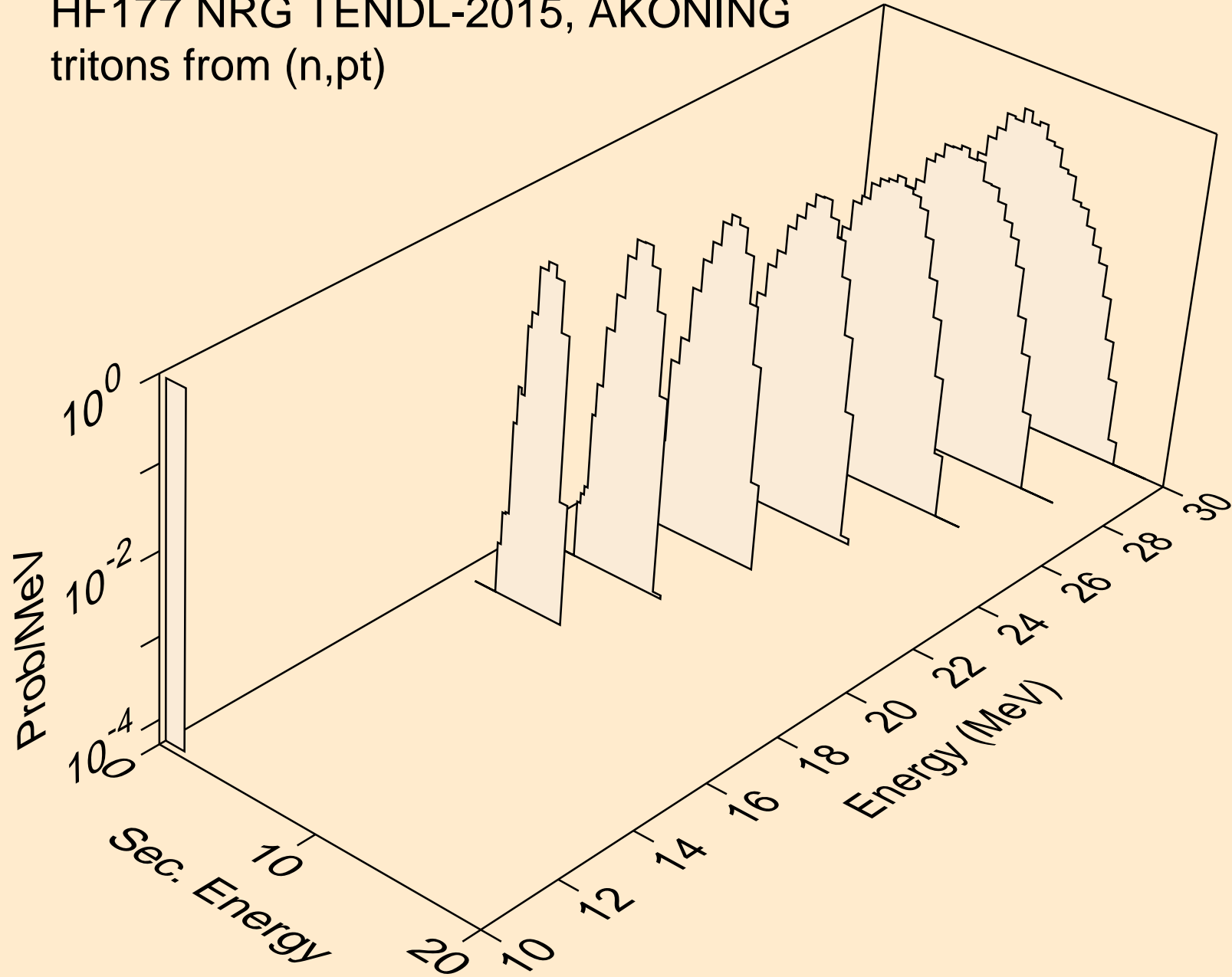
HF177 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



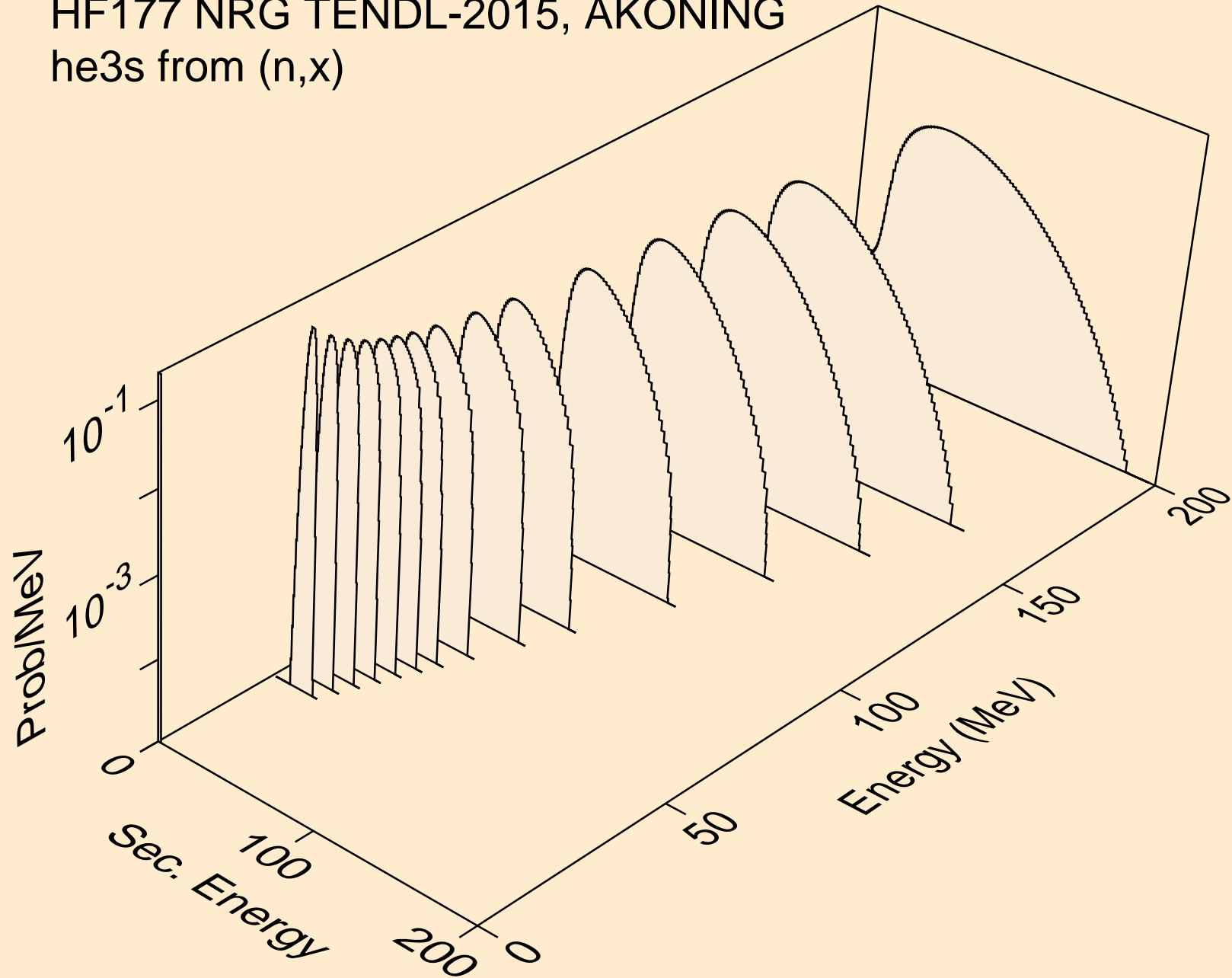
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tritons from (n,t)



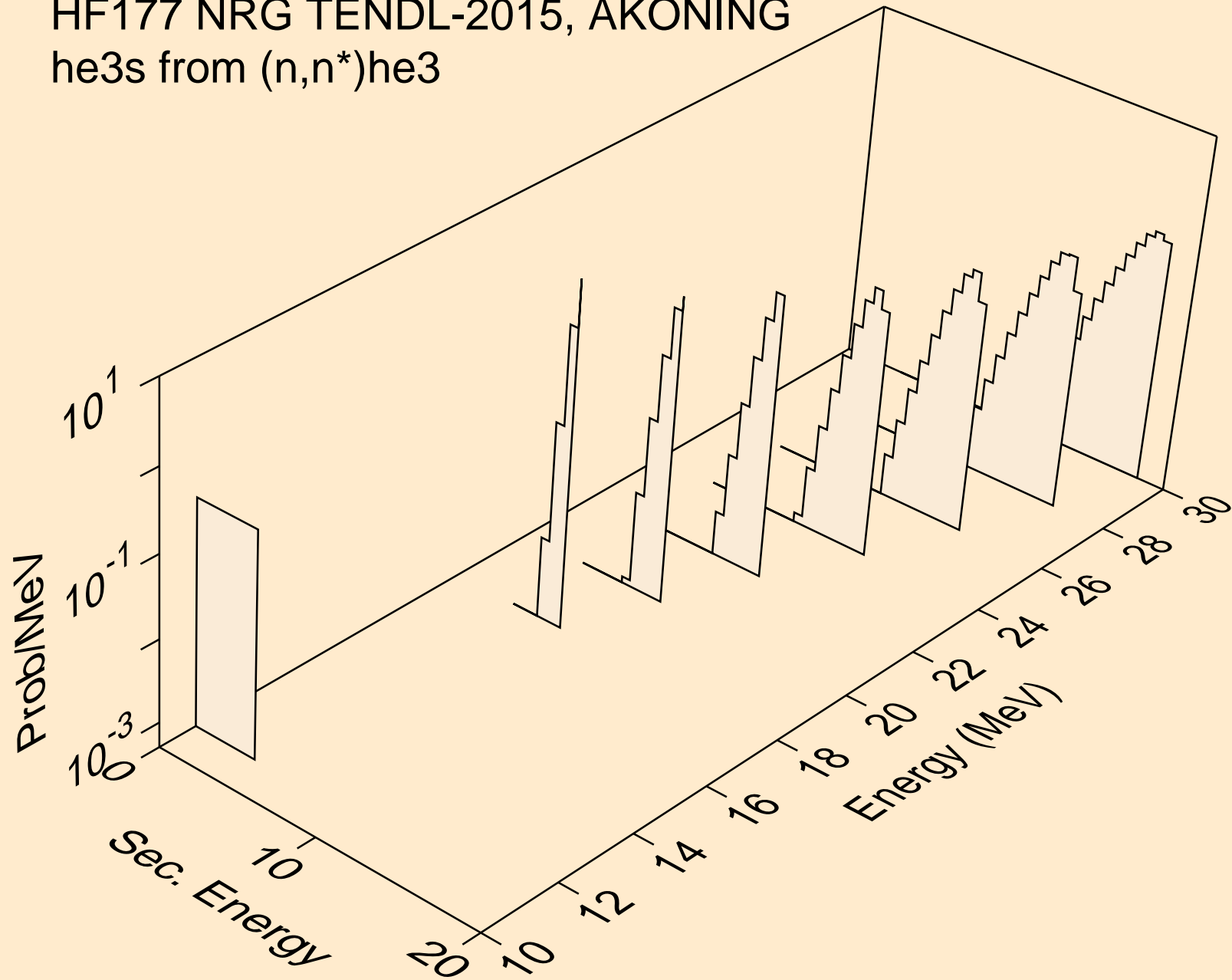
HF177 NRG TENDL-2015, AKONING  
tritons from (n,pt)



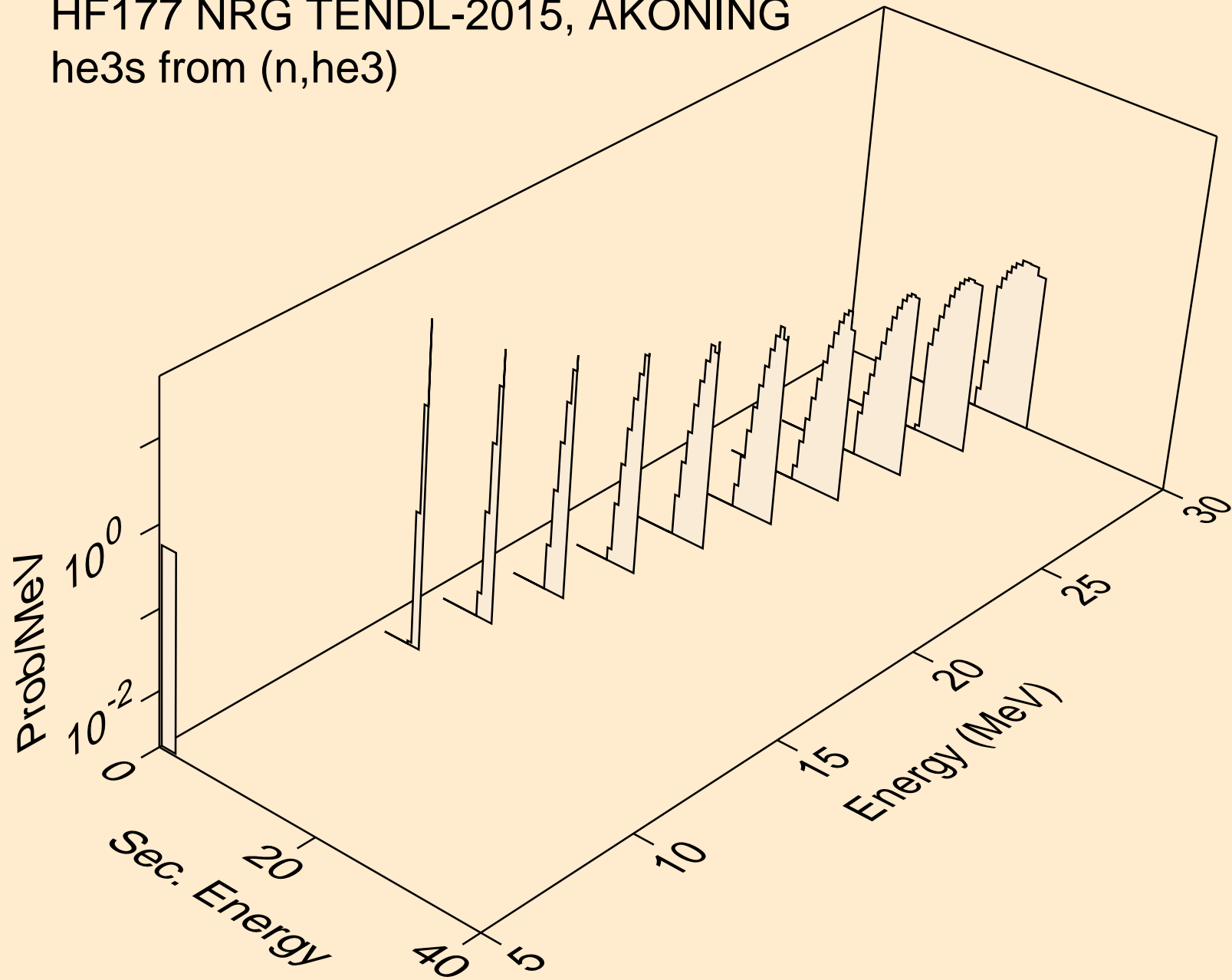
HF177 NRG TENDL-2015, AKONING  
he3s from (n,x)



HF177 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

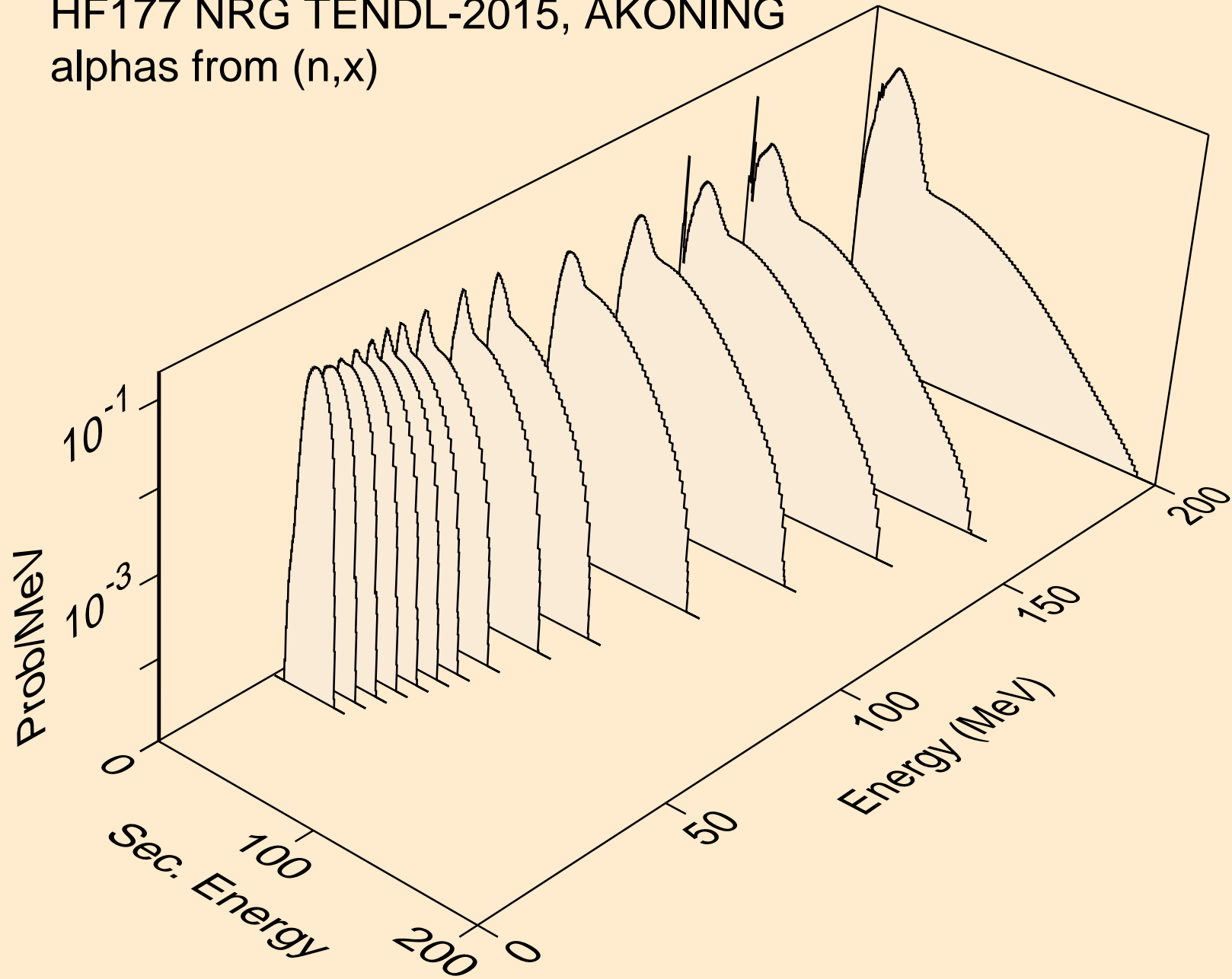


HF177 NRG TENDL-2015, AKONING  
he3s from (n,he3)

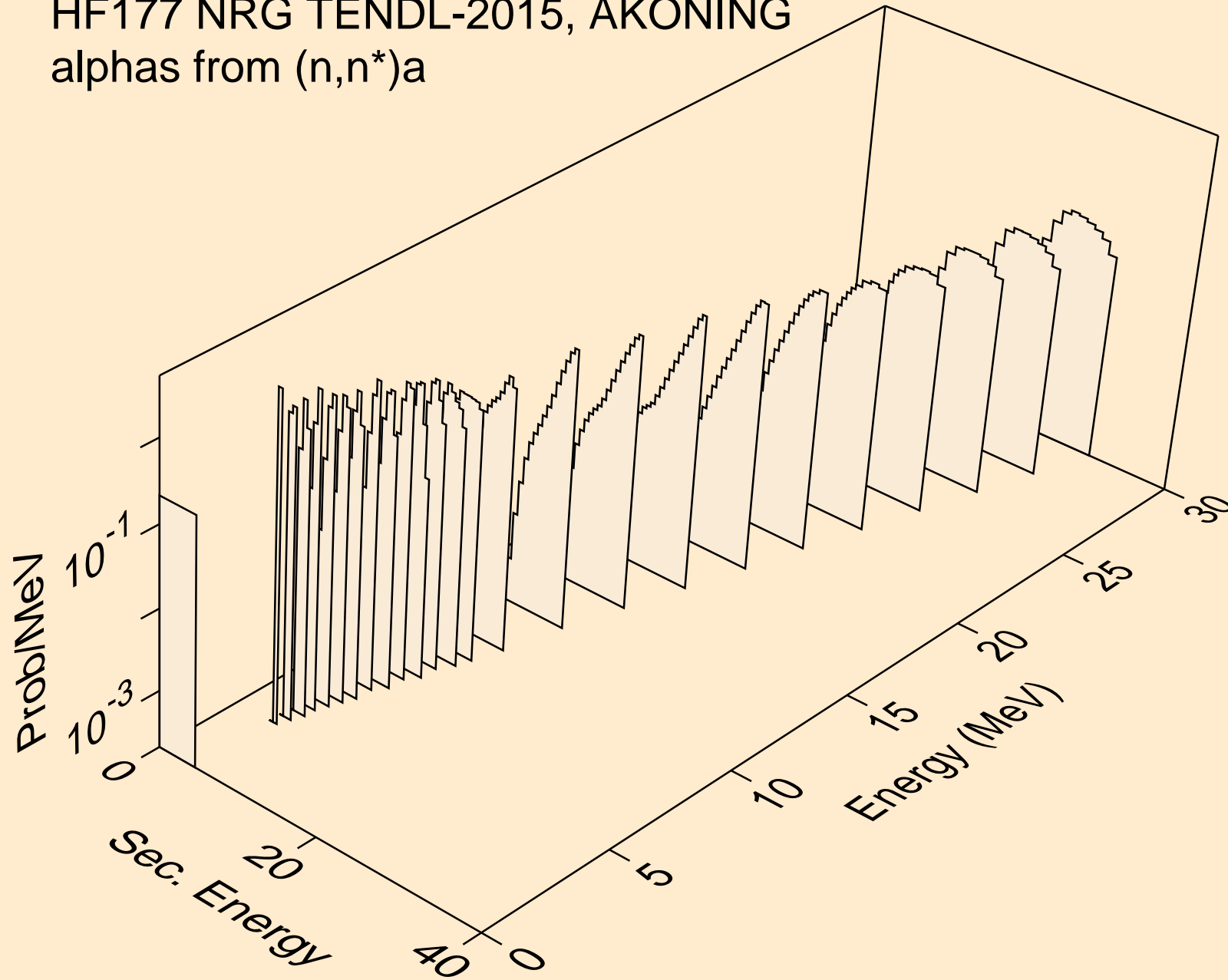




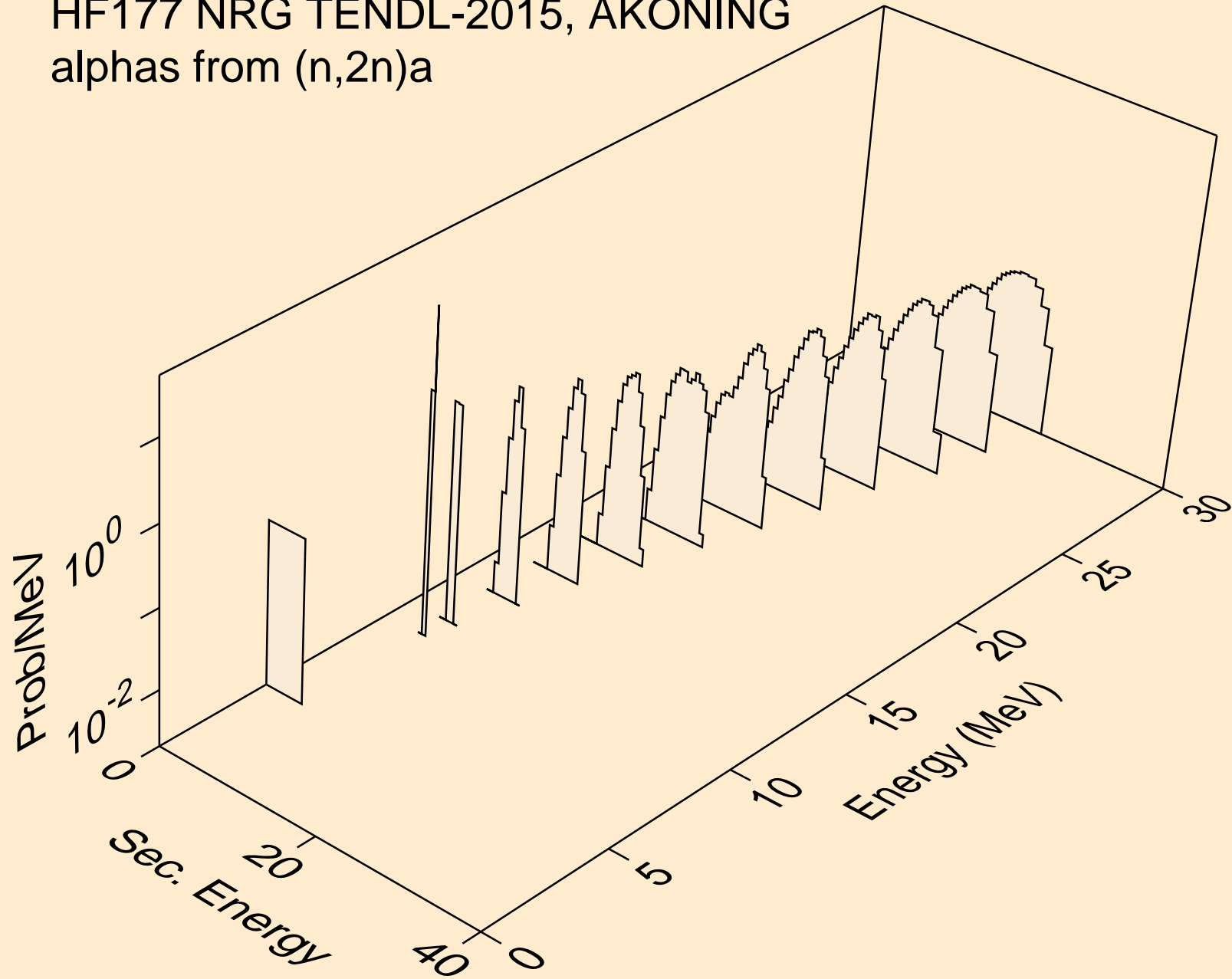
HF177 NRG TENDL-2015, AKONING  
alphas from (n,x)



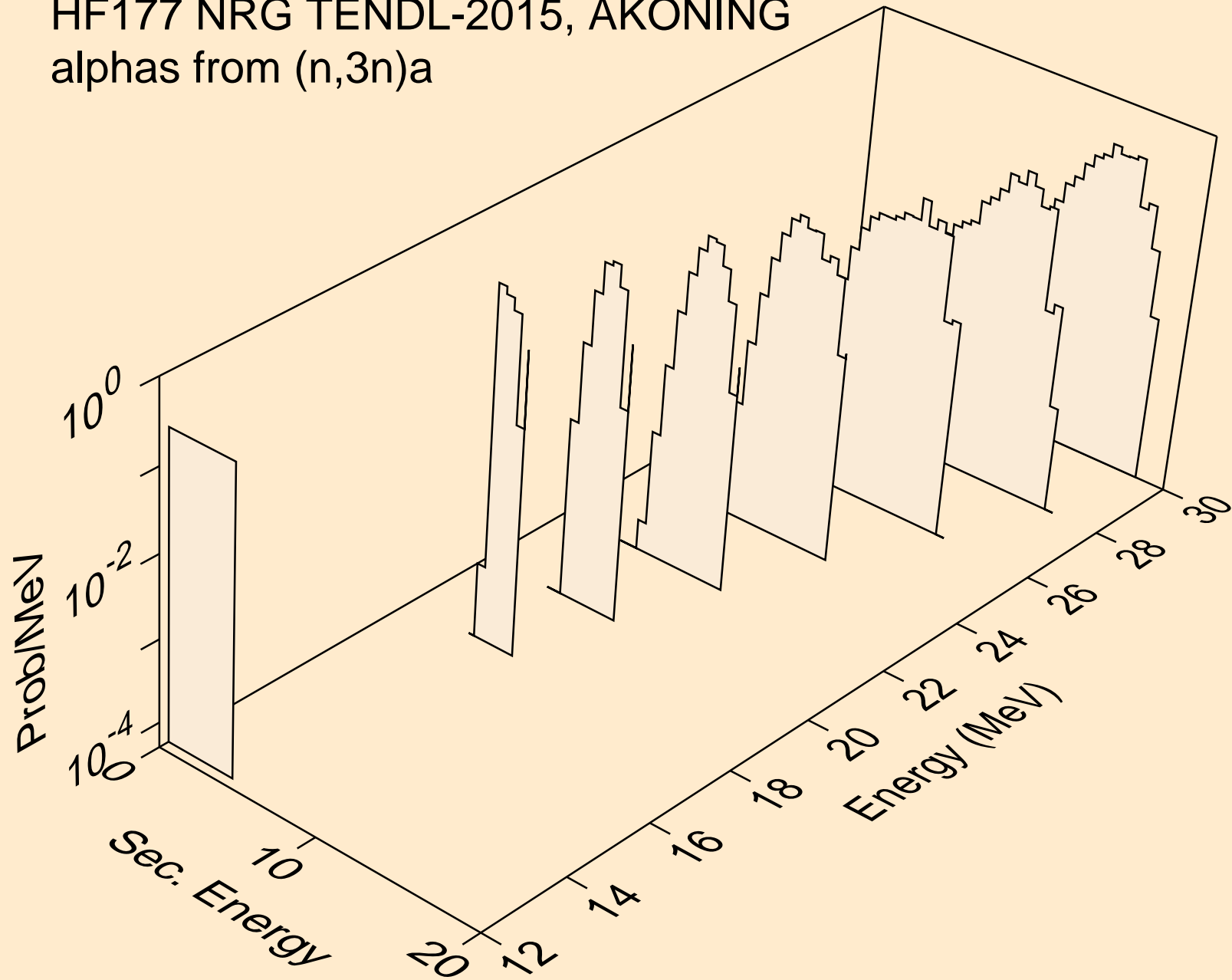
HF177 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



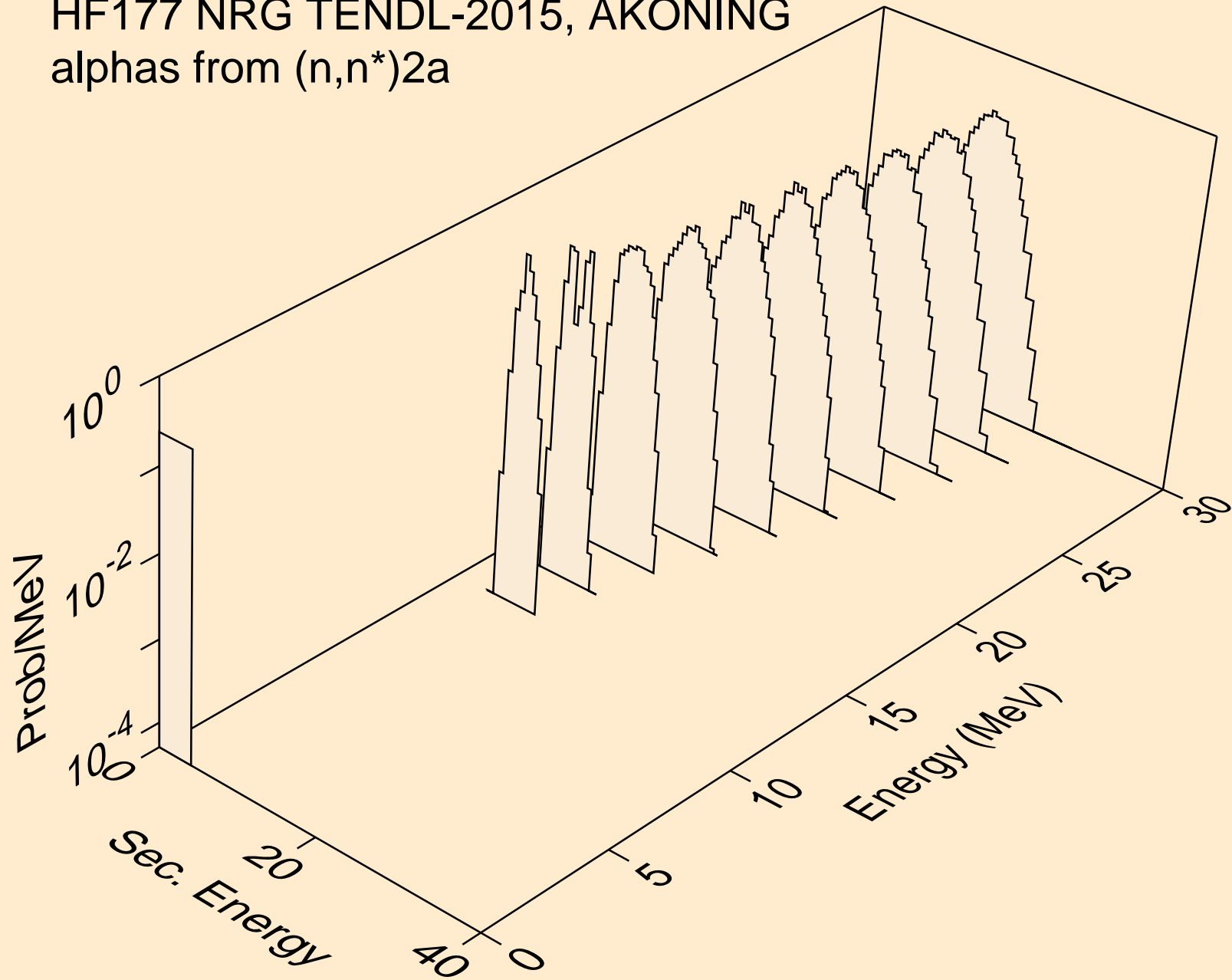
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alphas from (n,2n)a



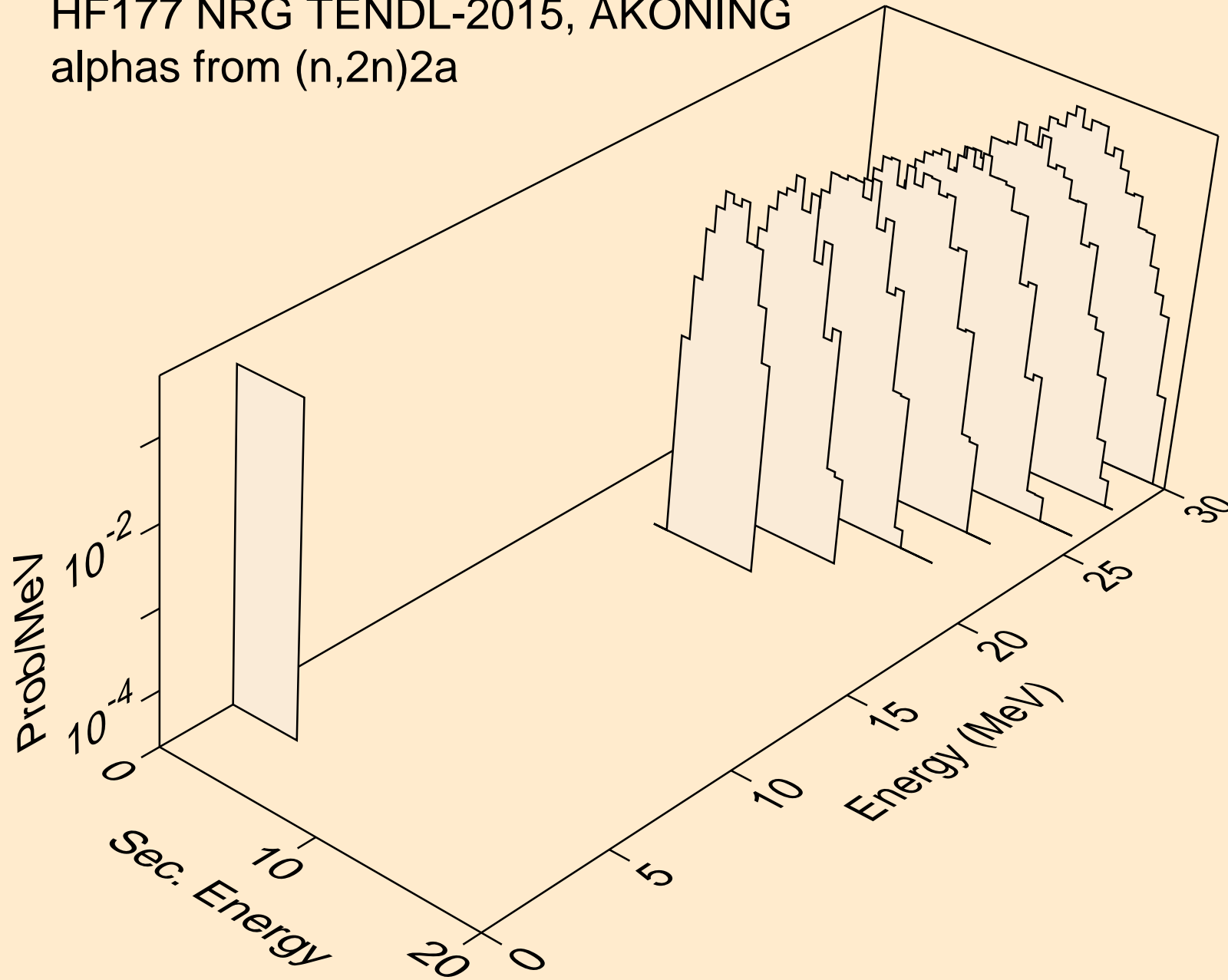
HF177 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



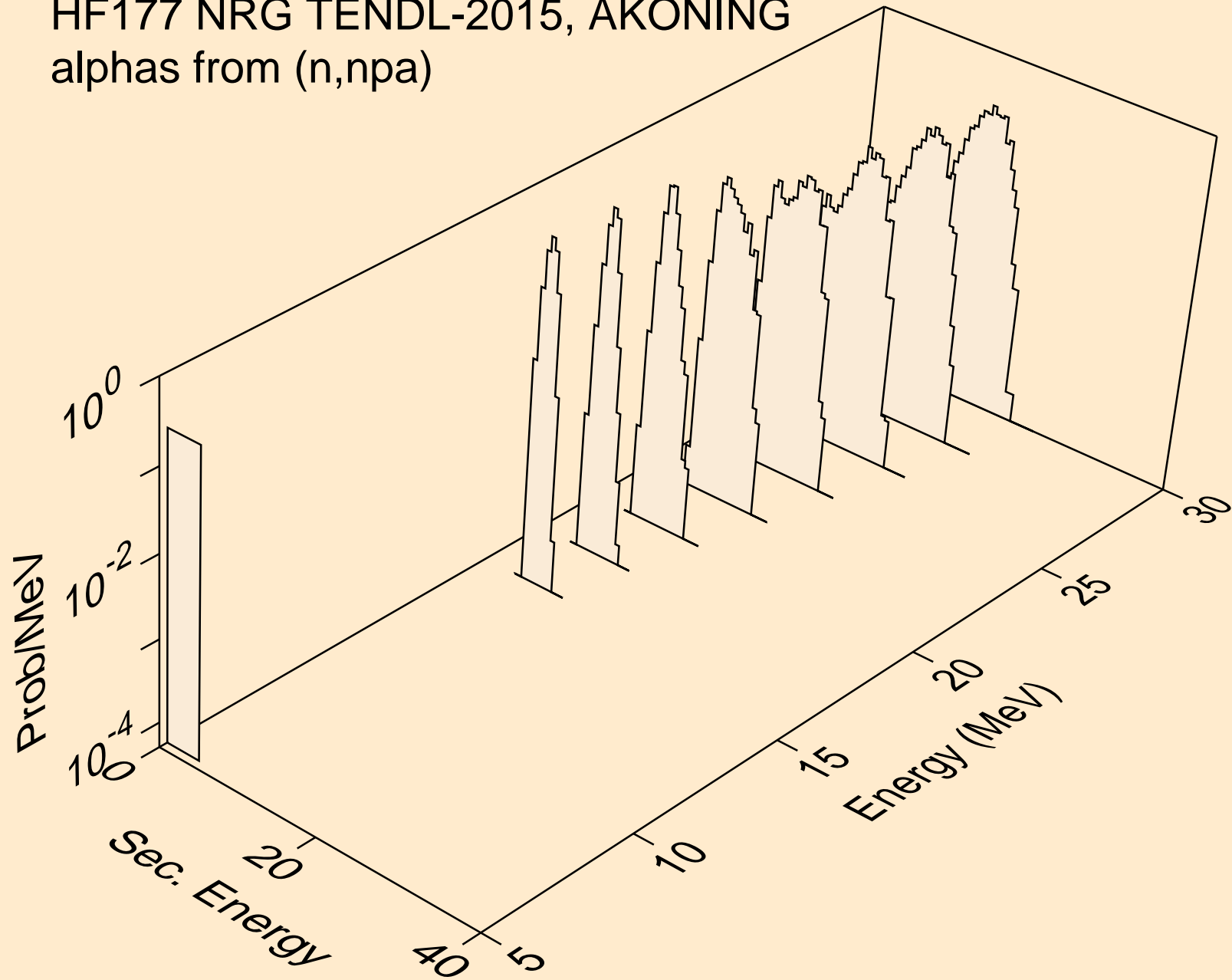
HF177 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



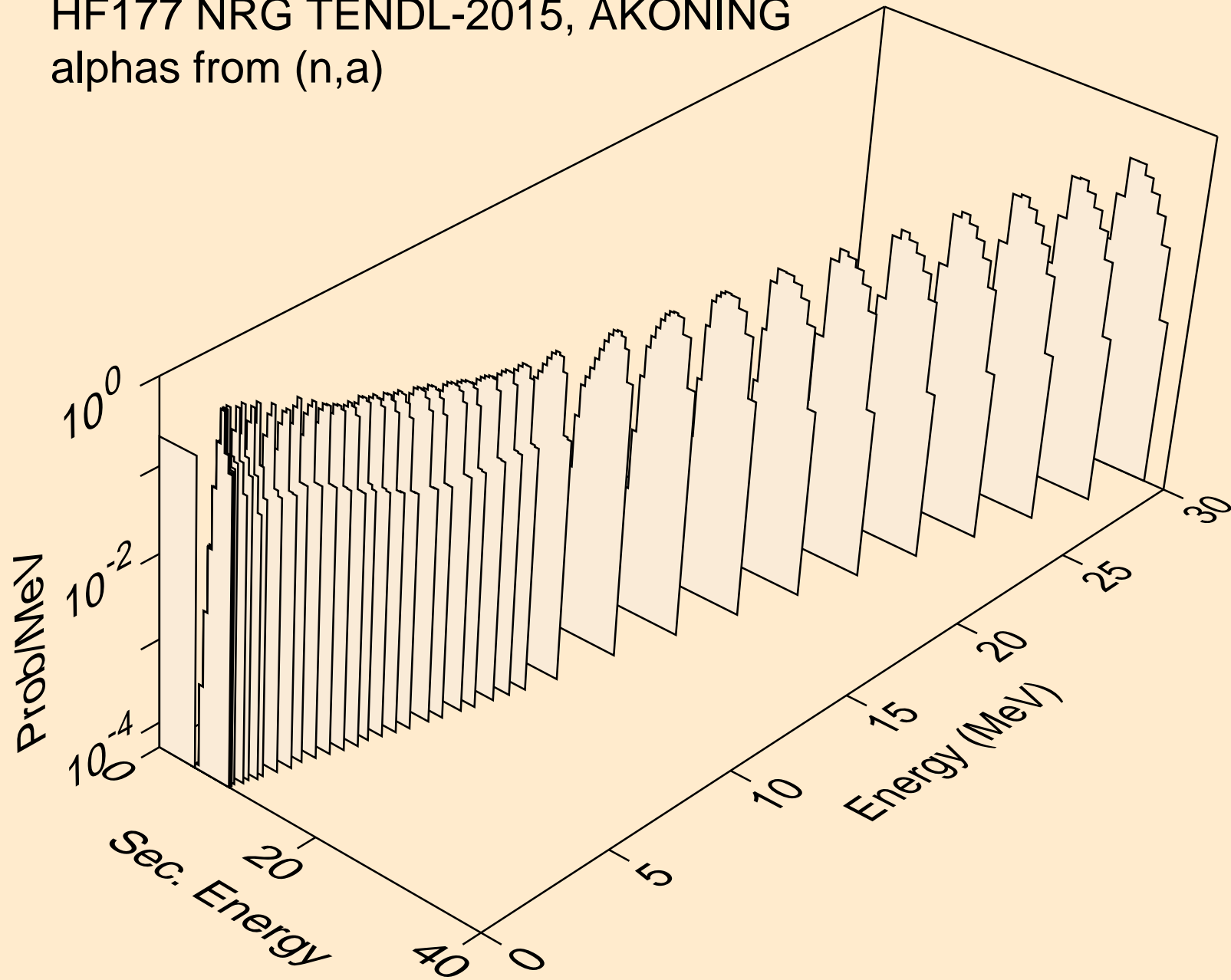
HF177 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



HF177 NRG TENDL-2015, AKONING  
alphas from (n,npa)

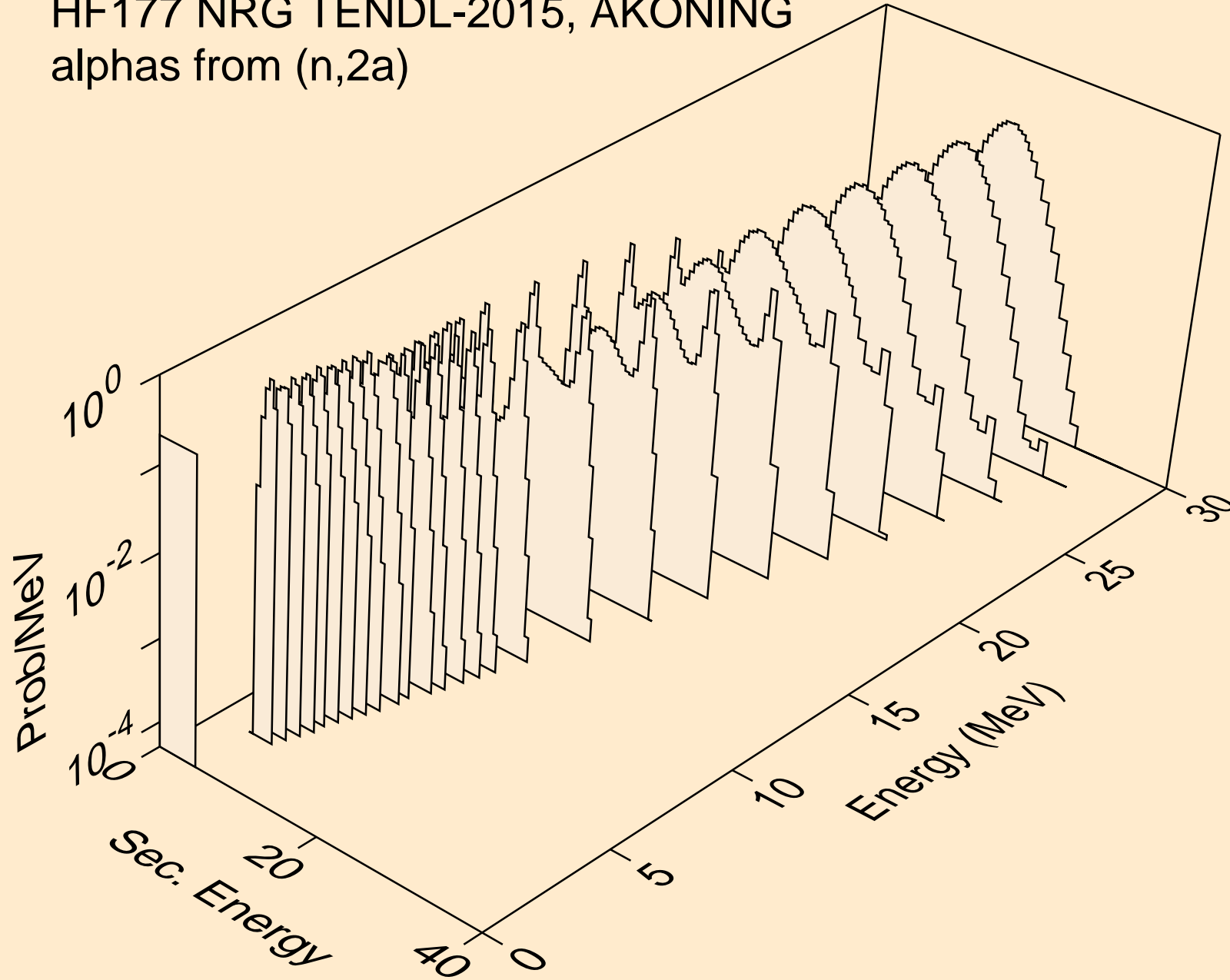


HF177 NRG TENDL-2015, AKONING  
alphas from (n,a)

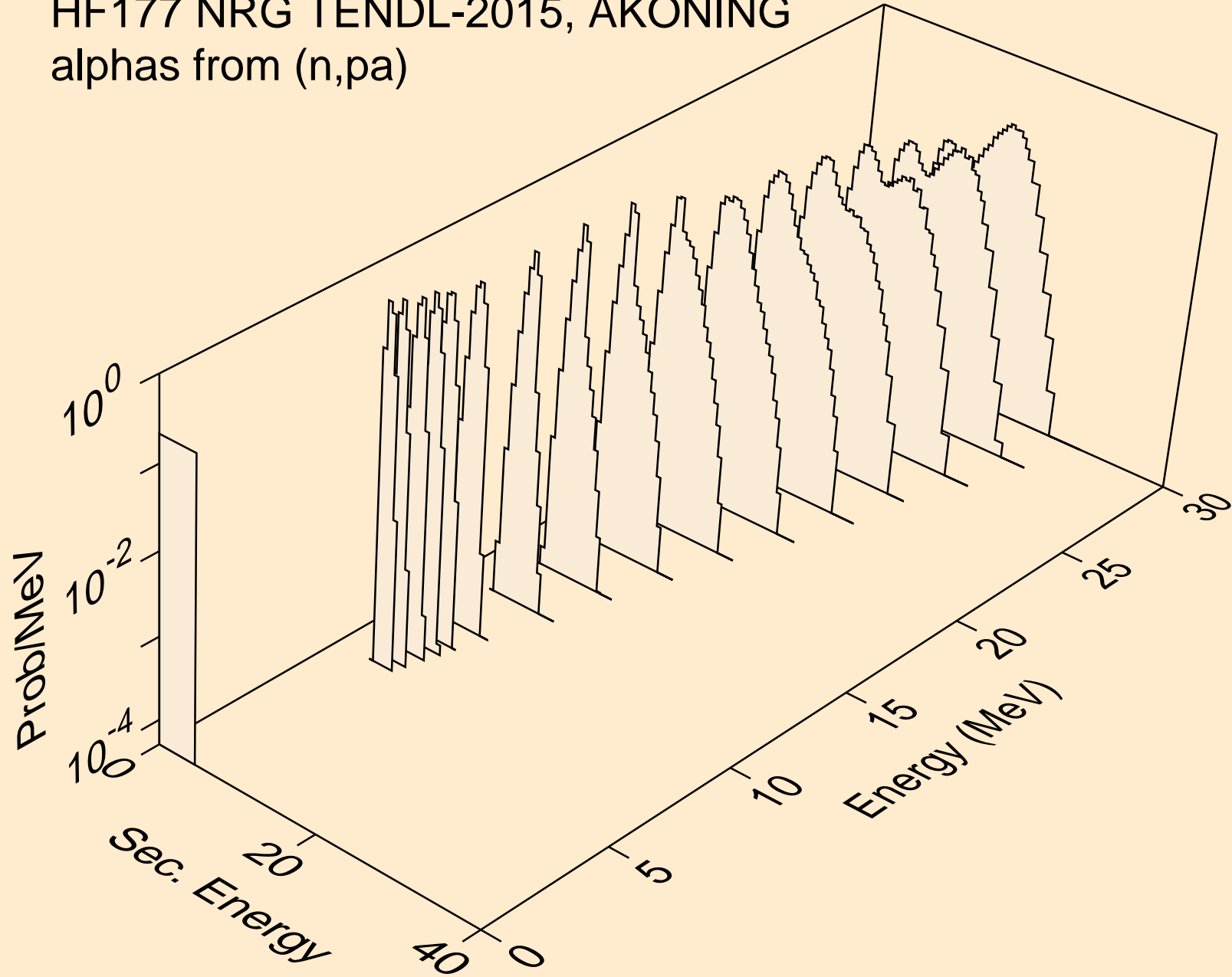




HF177 NRG TENDL-2015, AKONING  
alphas from (n,2a)



HF177 NRG TENDL-2015, AKONING  
alphas from (n,pa)



HF177 NRG TENDL-2015, AKONING  
alphas from (n,da)

