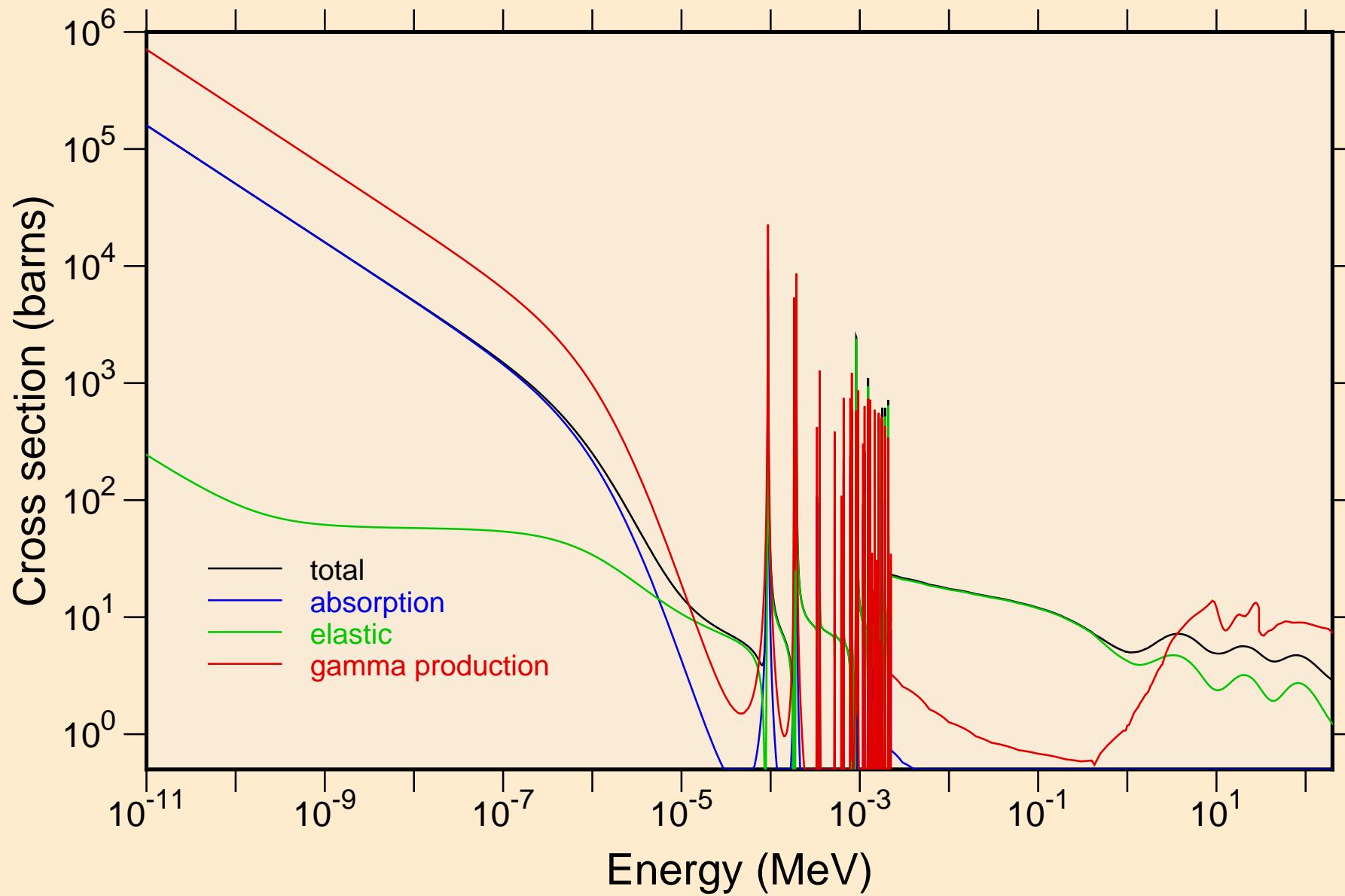
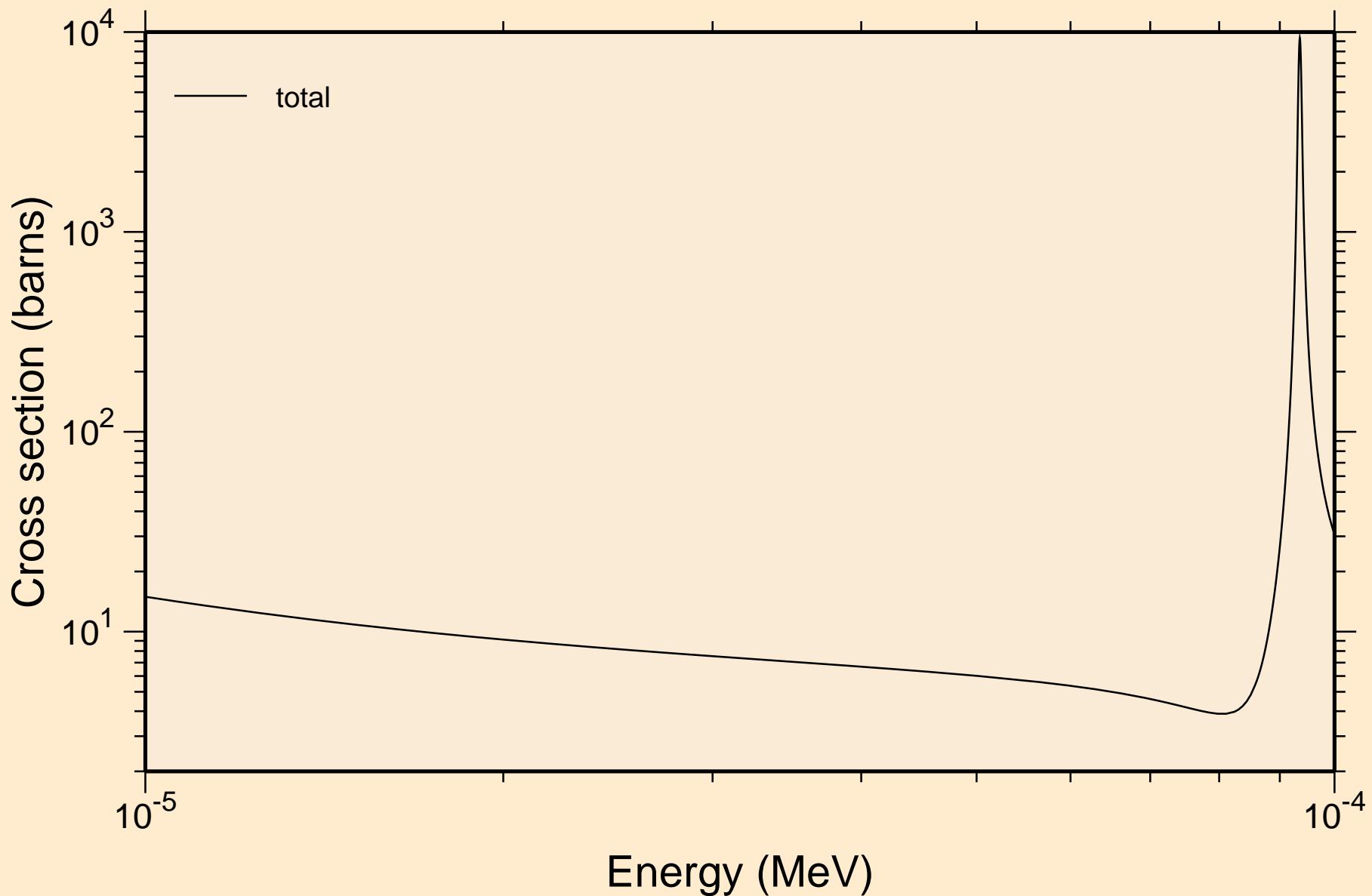


# HG196 NRG TENDL-2015, AKONING

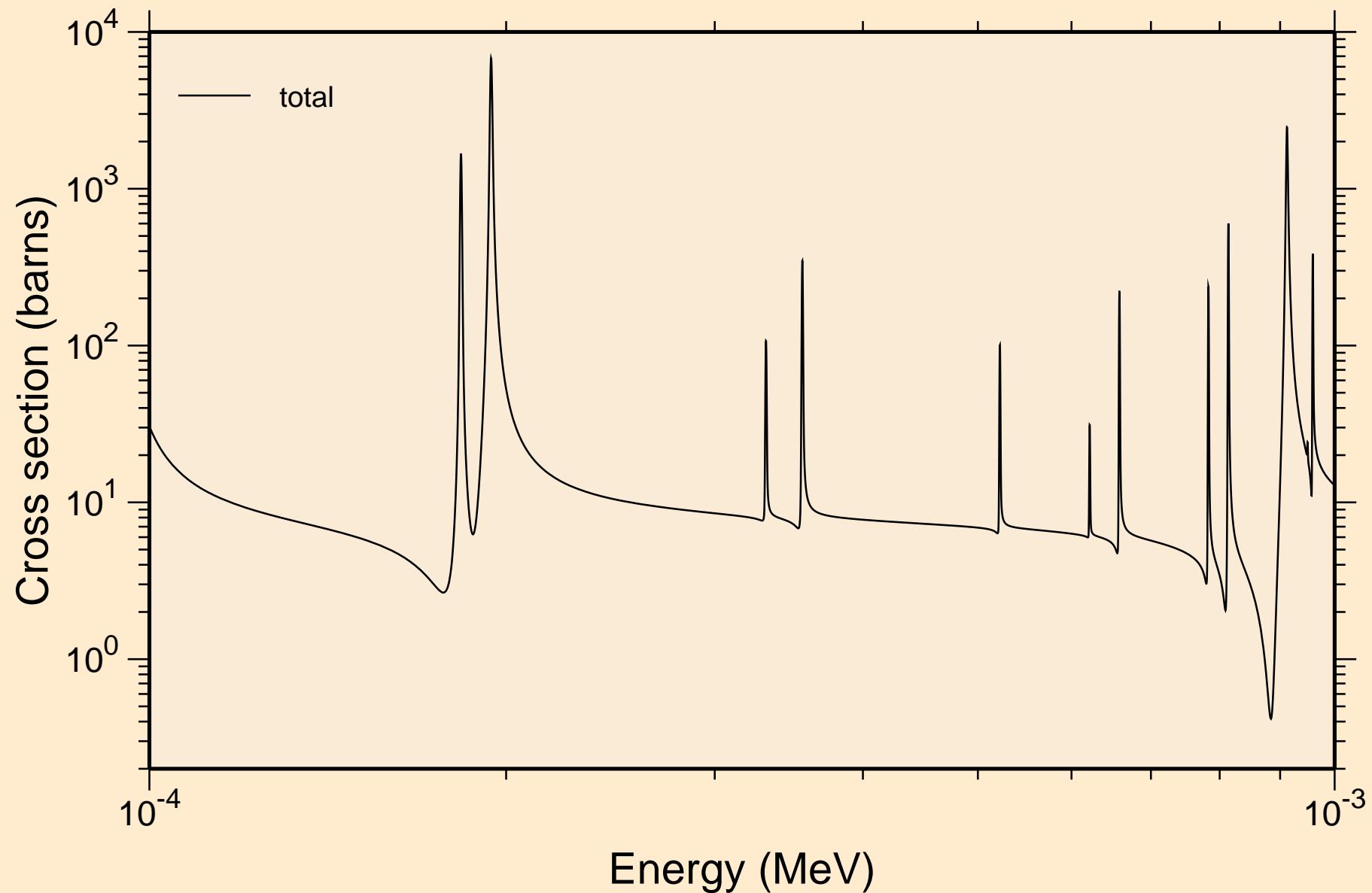
## Principal cross sections



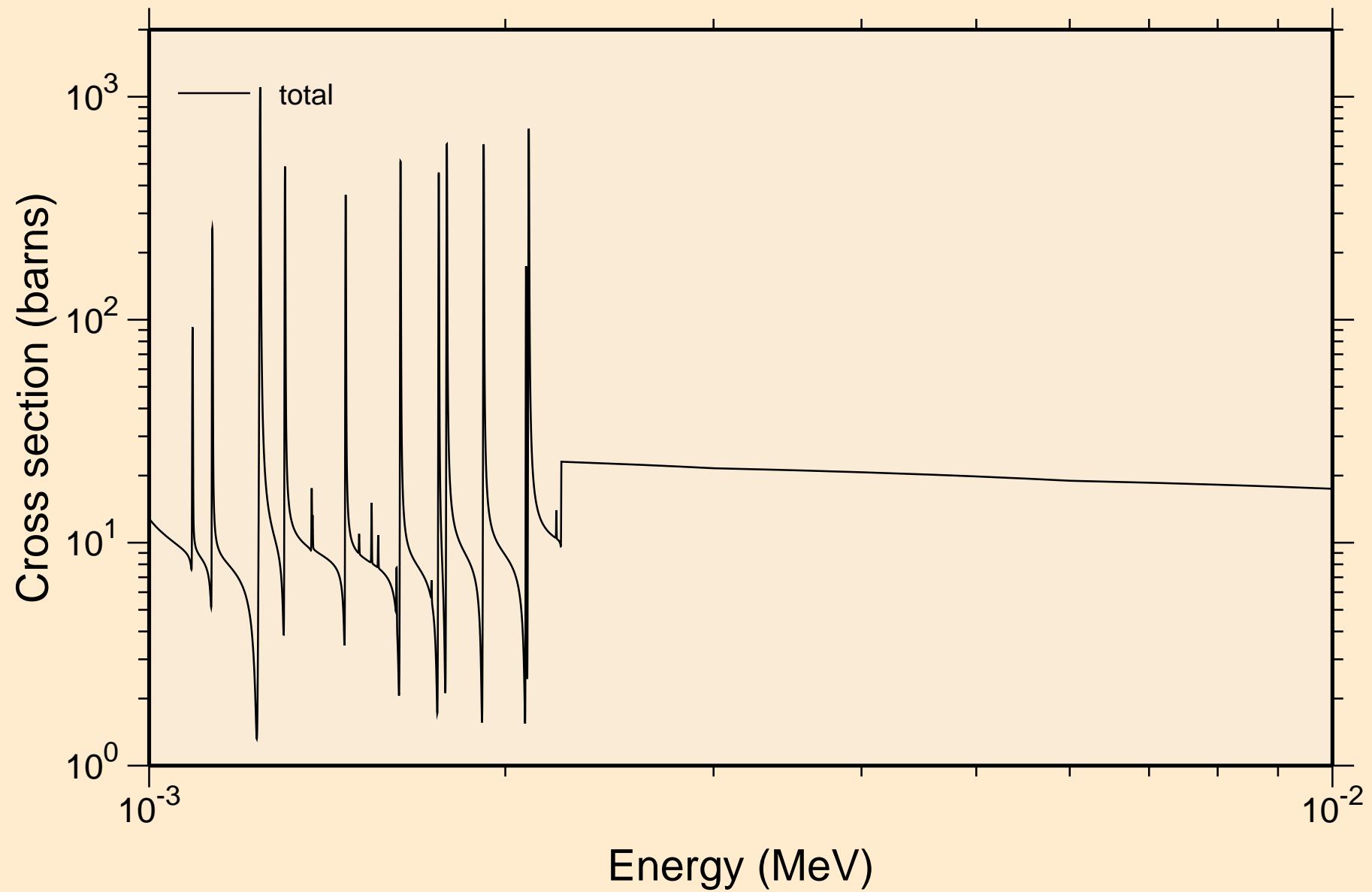
HG196 NRG TENDL-2015, AKONING  
resonance total cross section



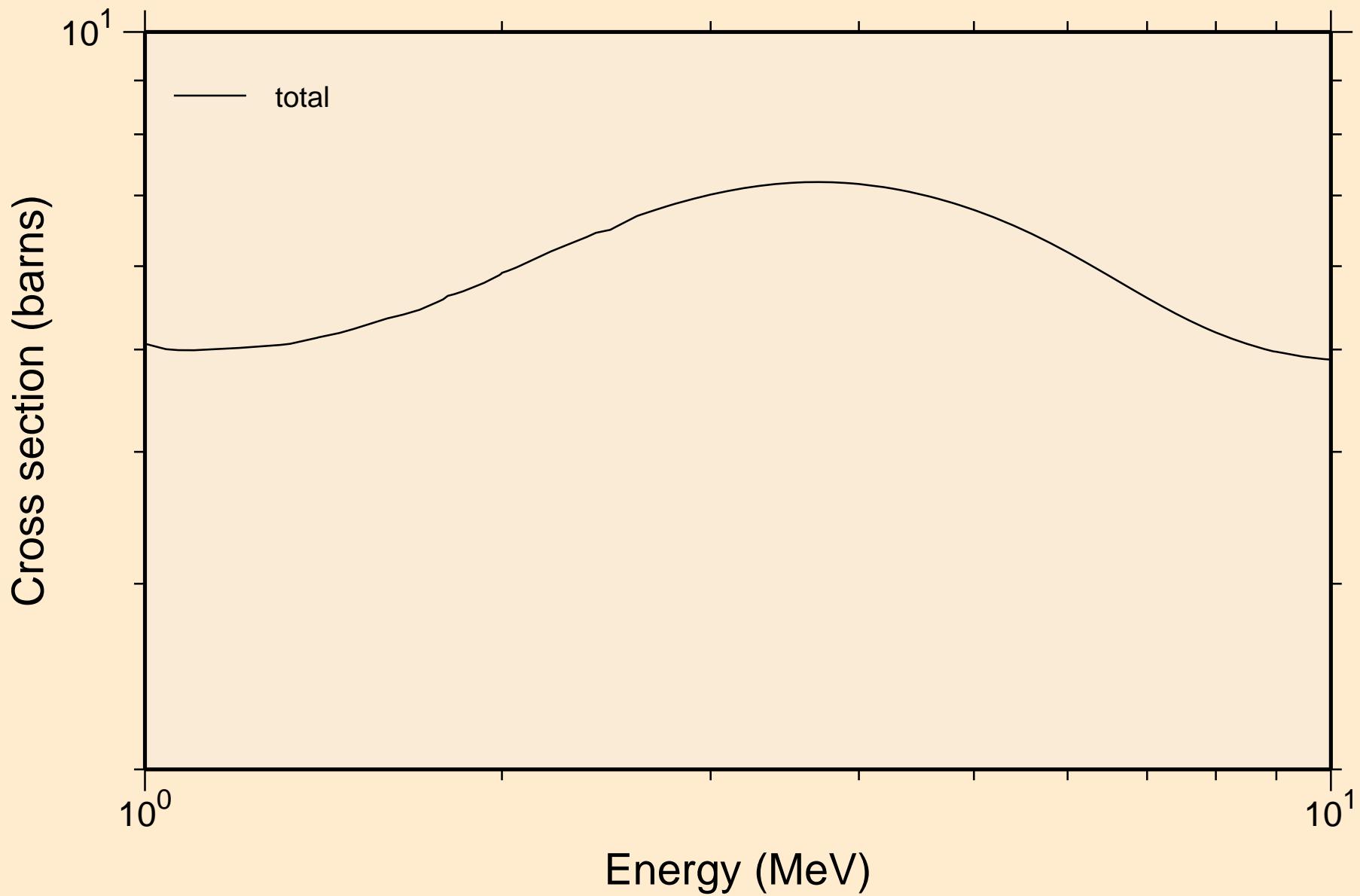
HG196 NRG TENDL-2015, AKONING  
resonance total cross section



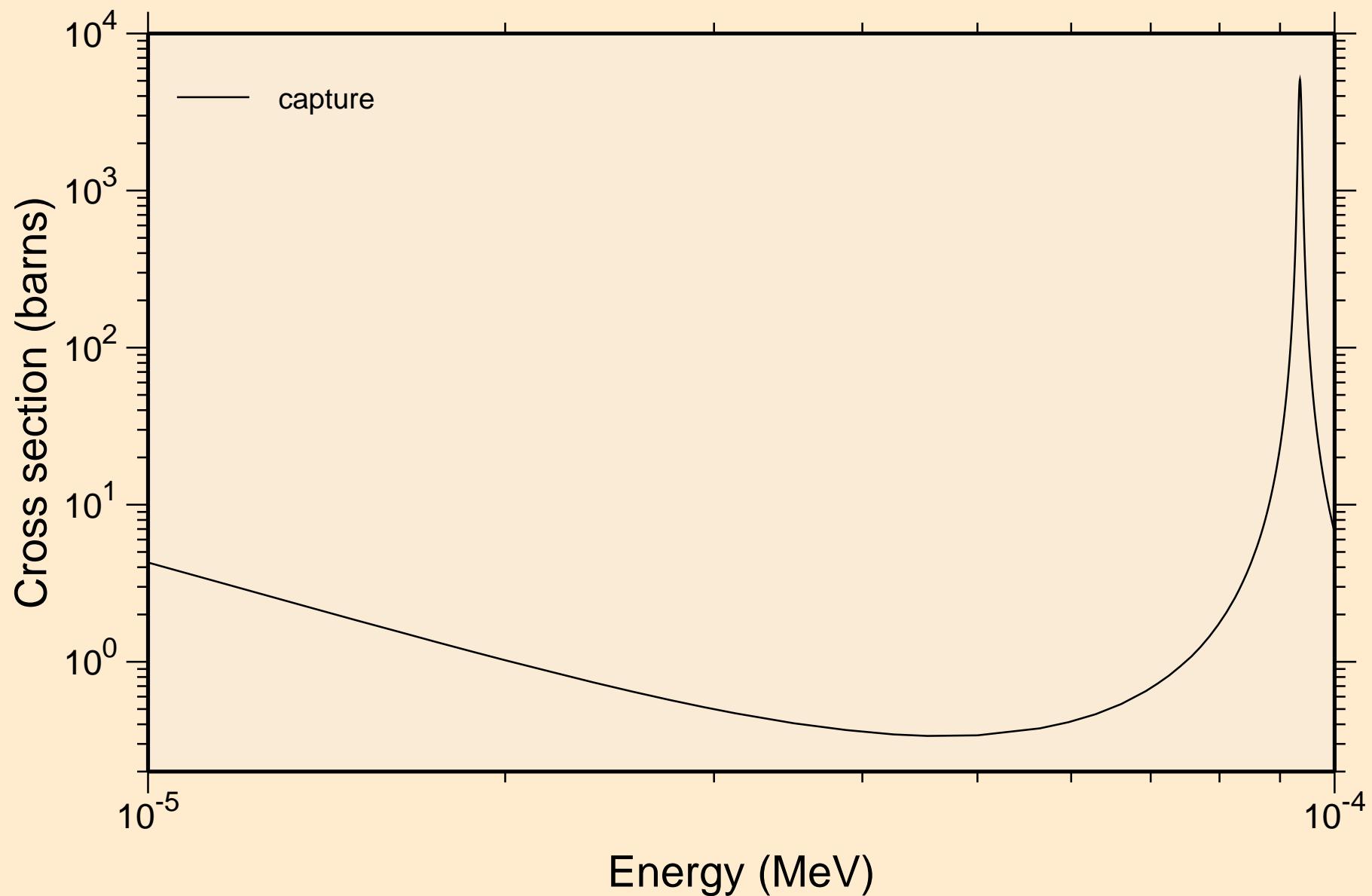
HG196 NRG TENDL-2015, AKONING  
resonance total cross section



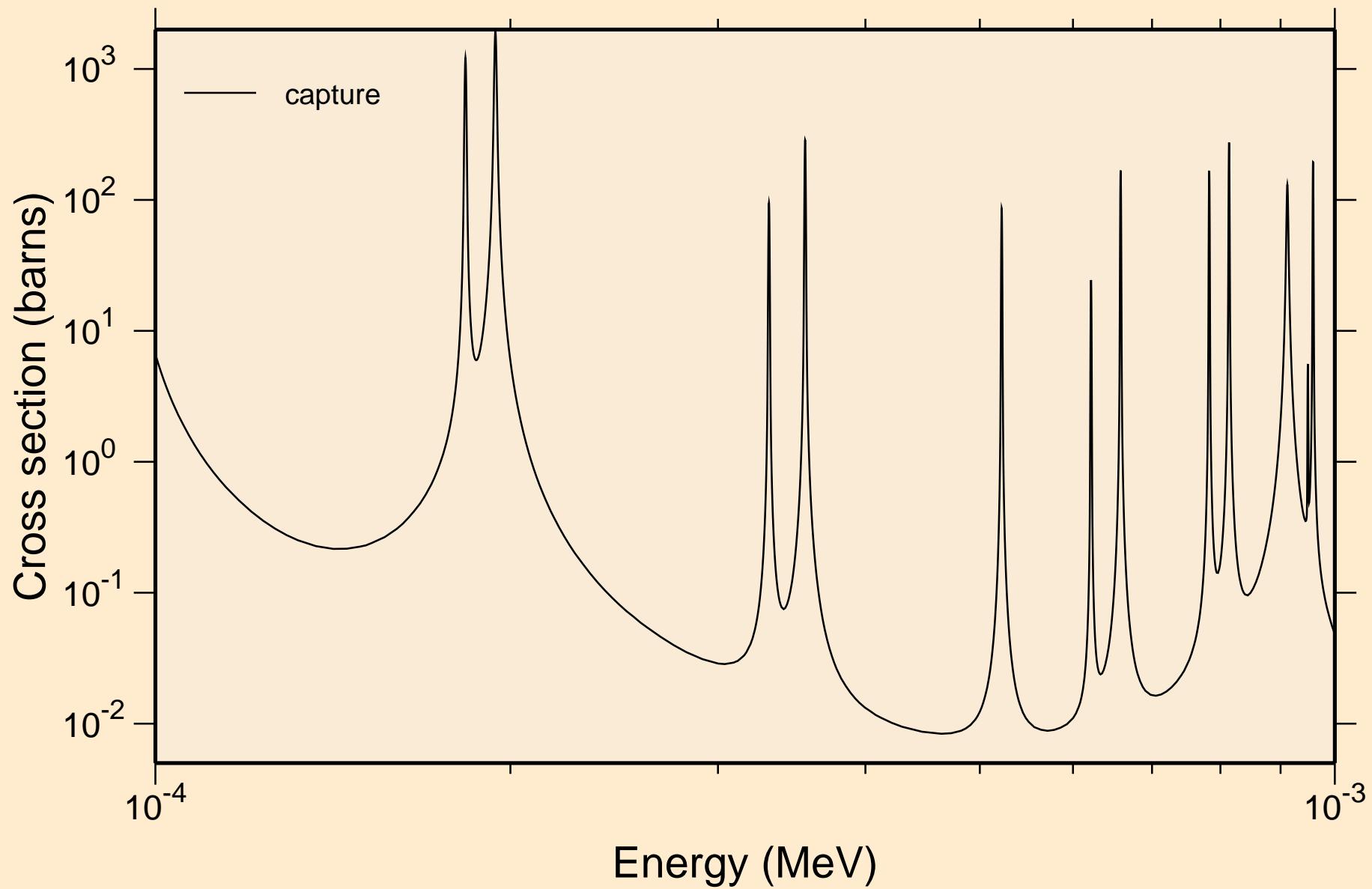
HG196 NRG TENDL-2015, AKONING  
resonance total cross section



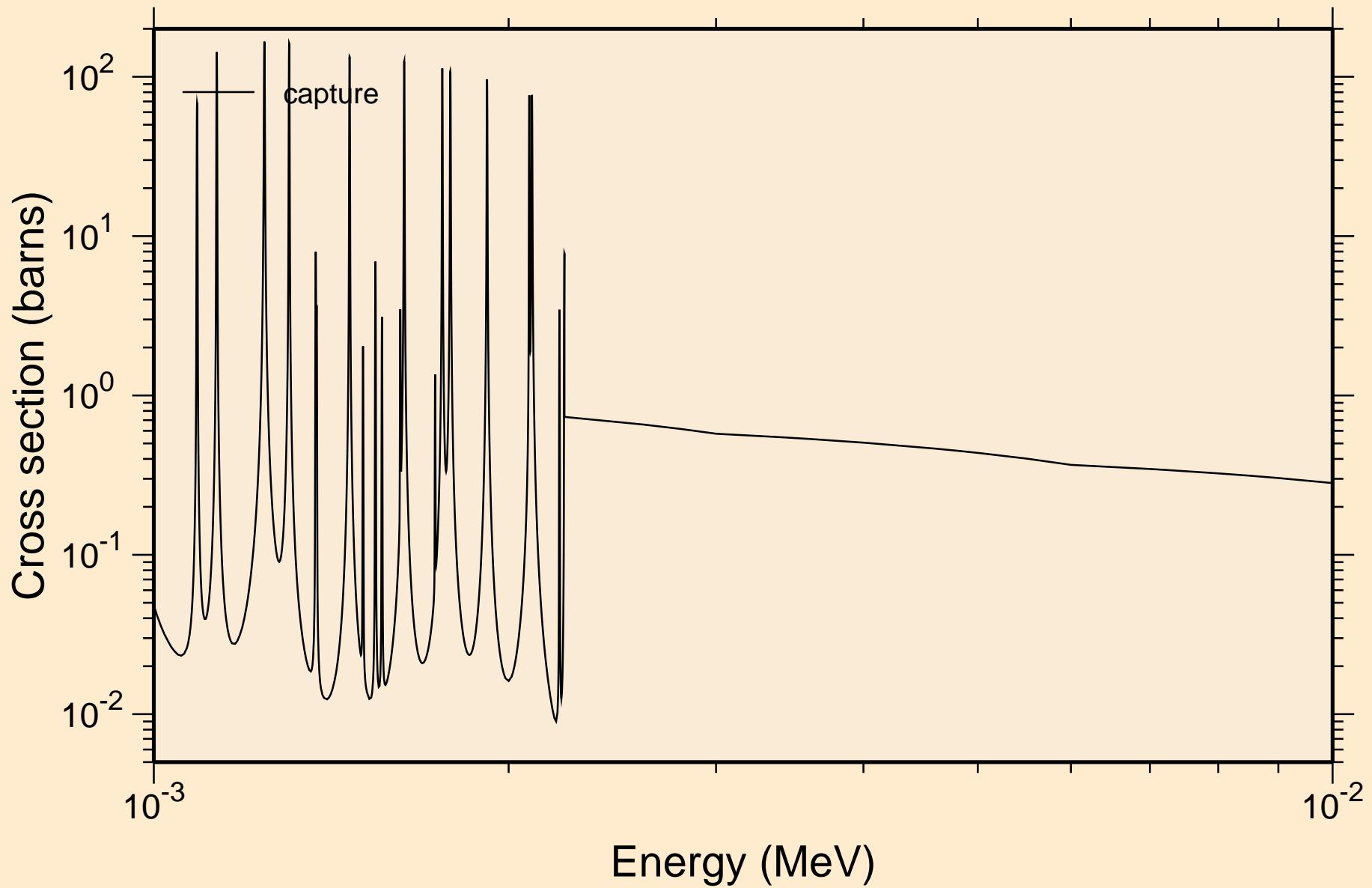
HG196 NRG TENDL-2015, AKONING  
resonance absorption cross sections



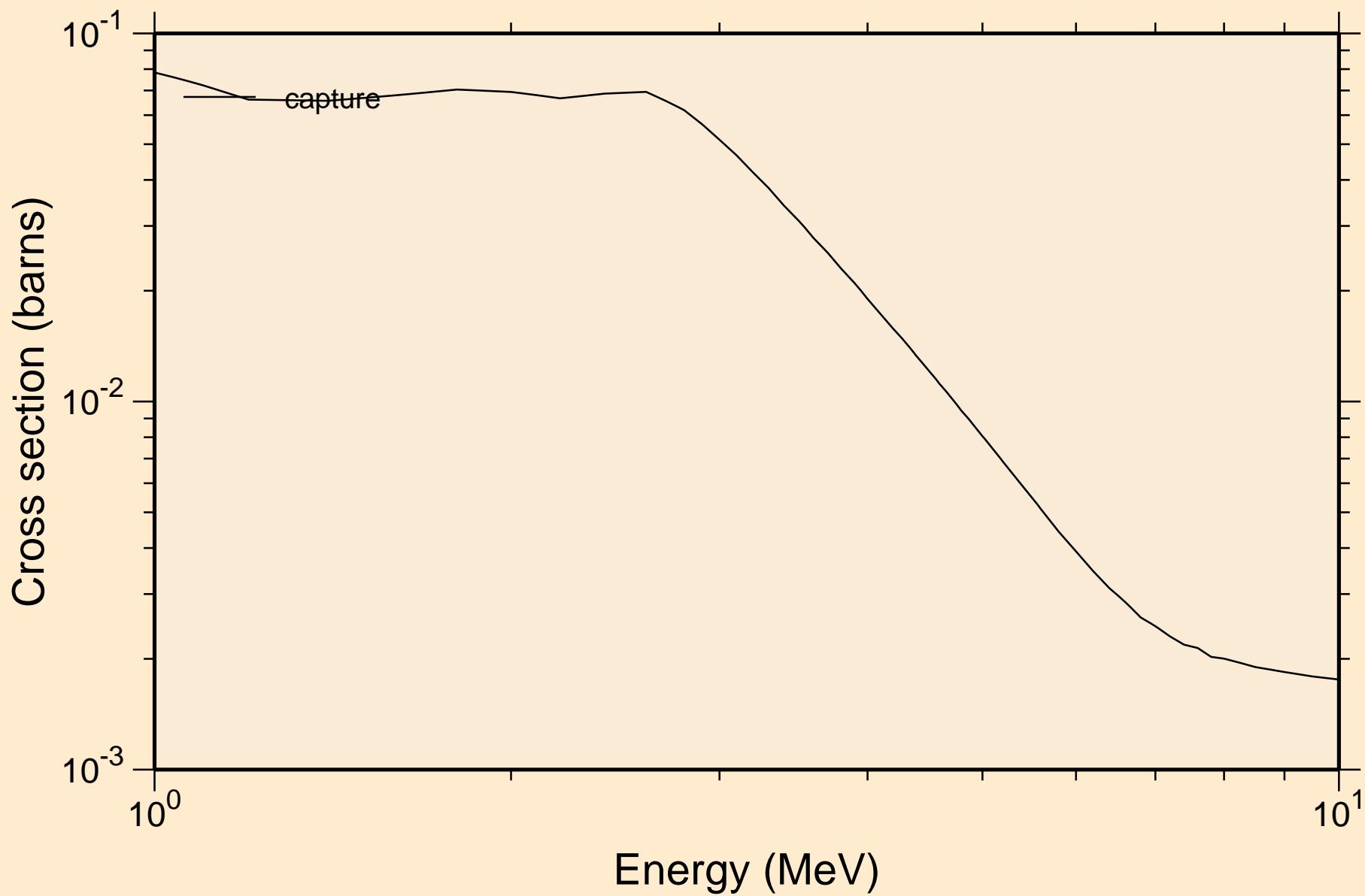
HG196 NRG TENDL-2015, AKONING  
resonance absorption cross sections



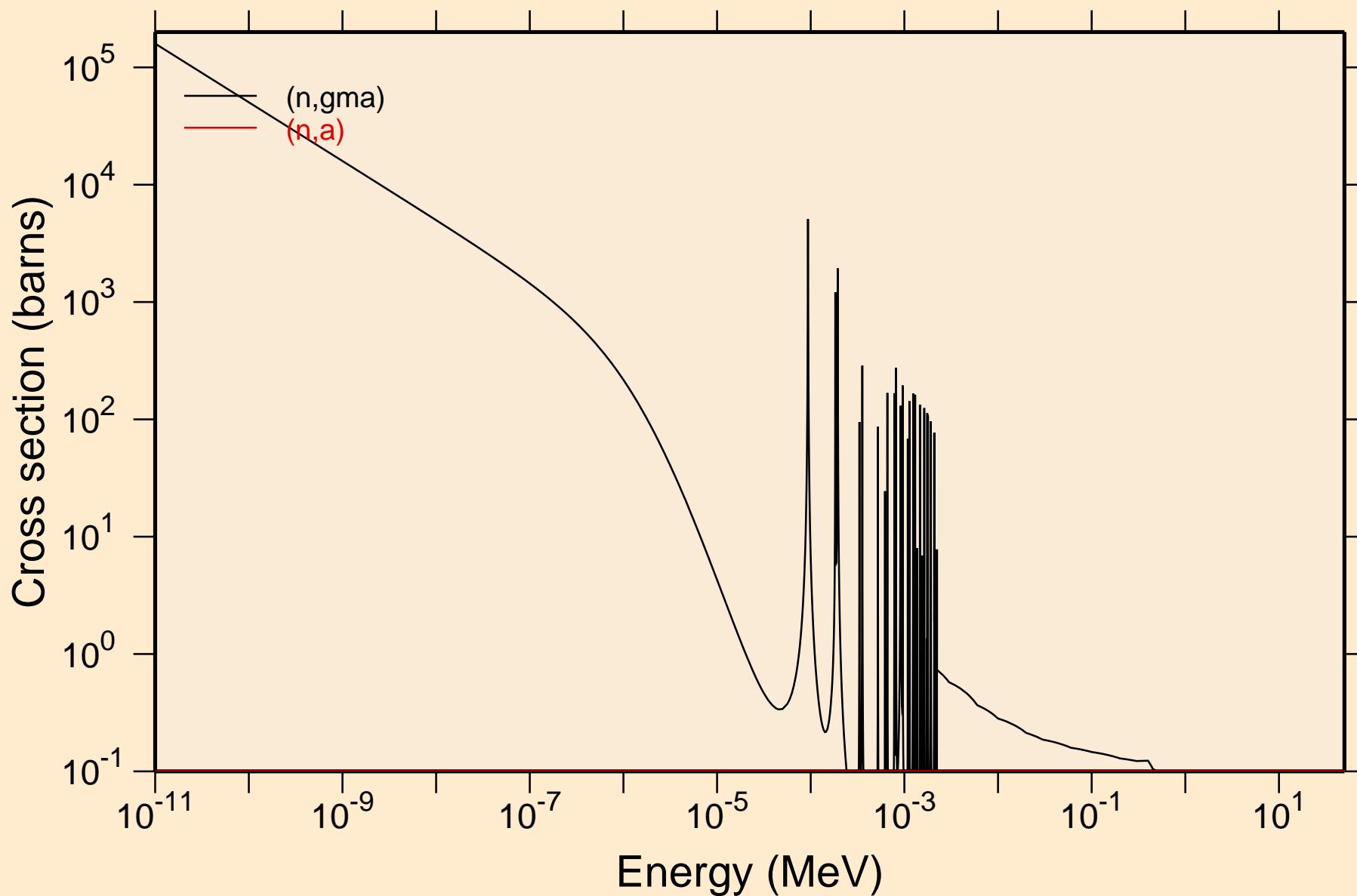
# HG196 NRG TENDL-2015, AKONING resonance absorption cross sections



HG196 NRG TENDL-2015, AKONING  
resonance absorption cross sections

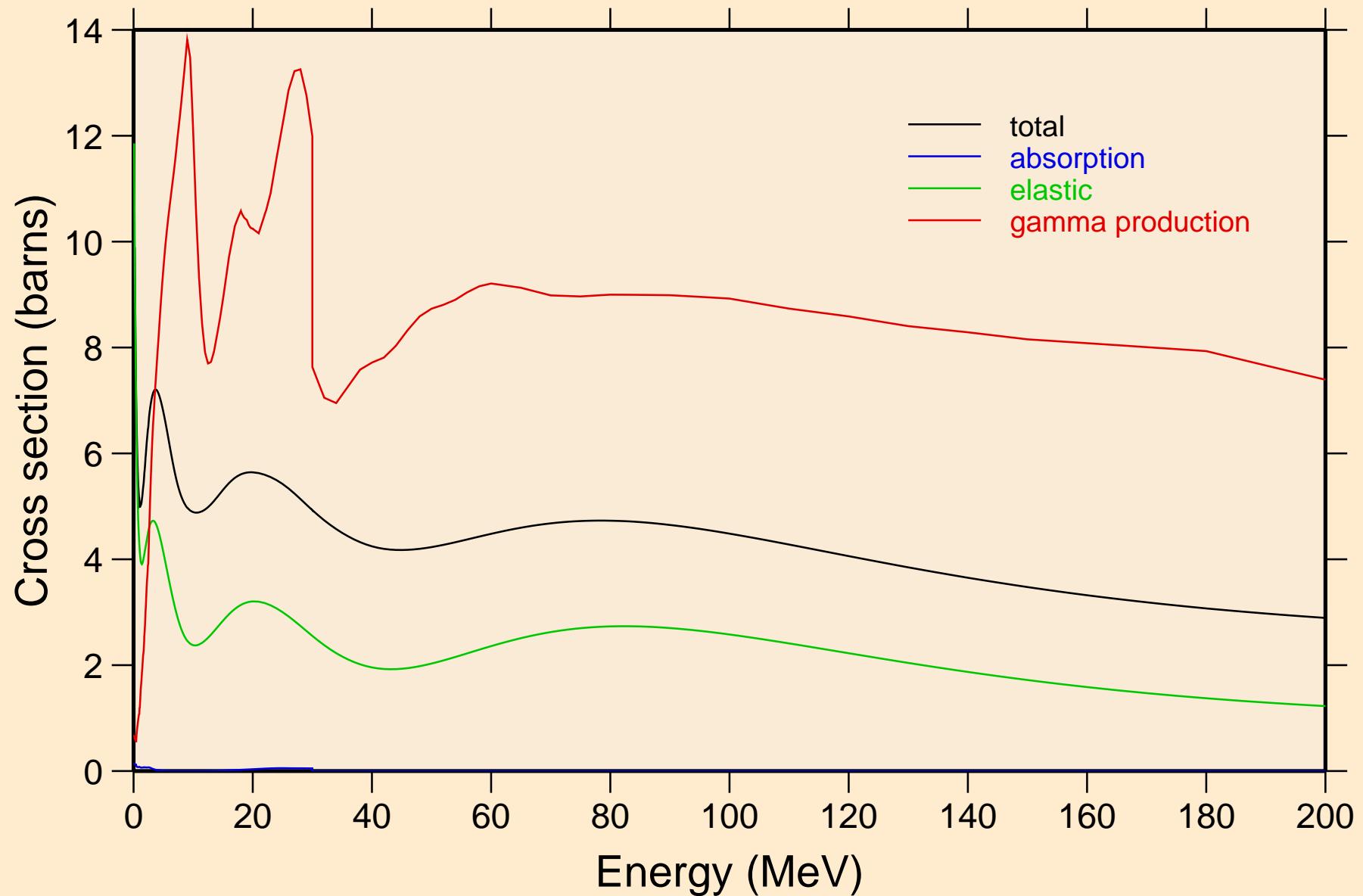


HG196 NRG TENDL-2015, AKONING  
Non-threshold reactions



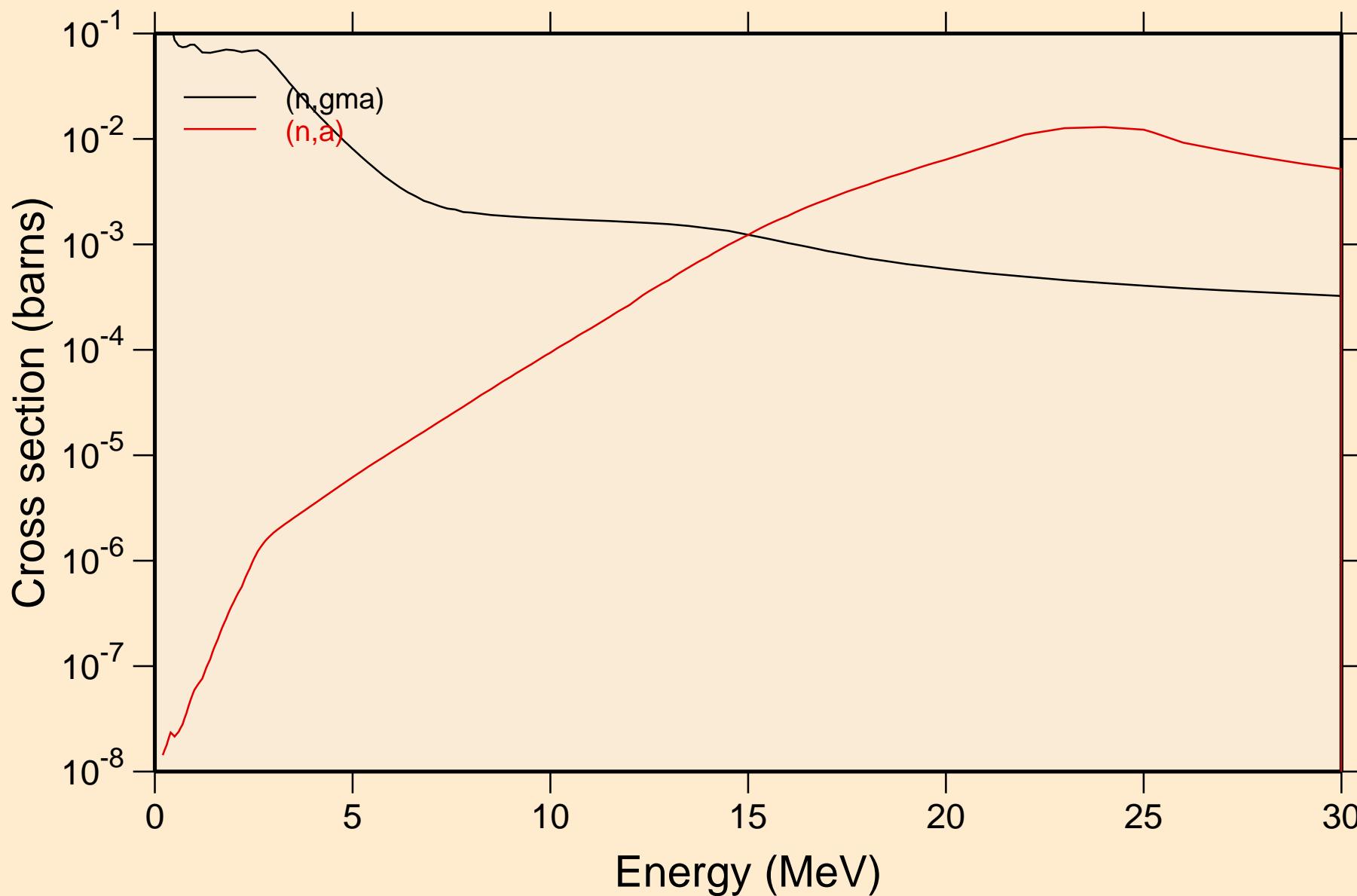
# HG196 NRG TENDL-2015, AKONING

## Principal cross sections



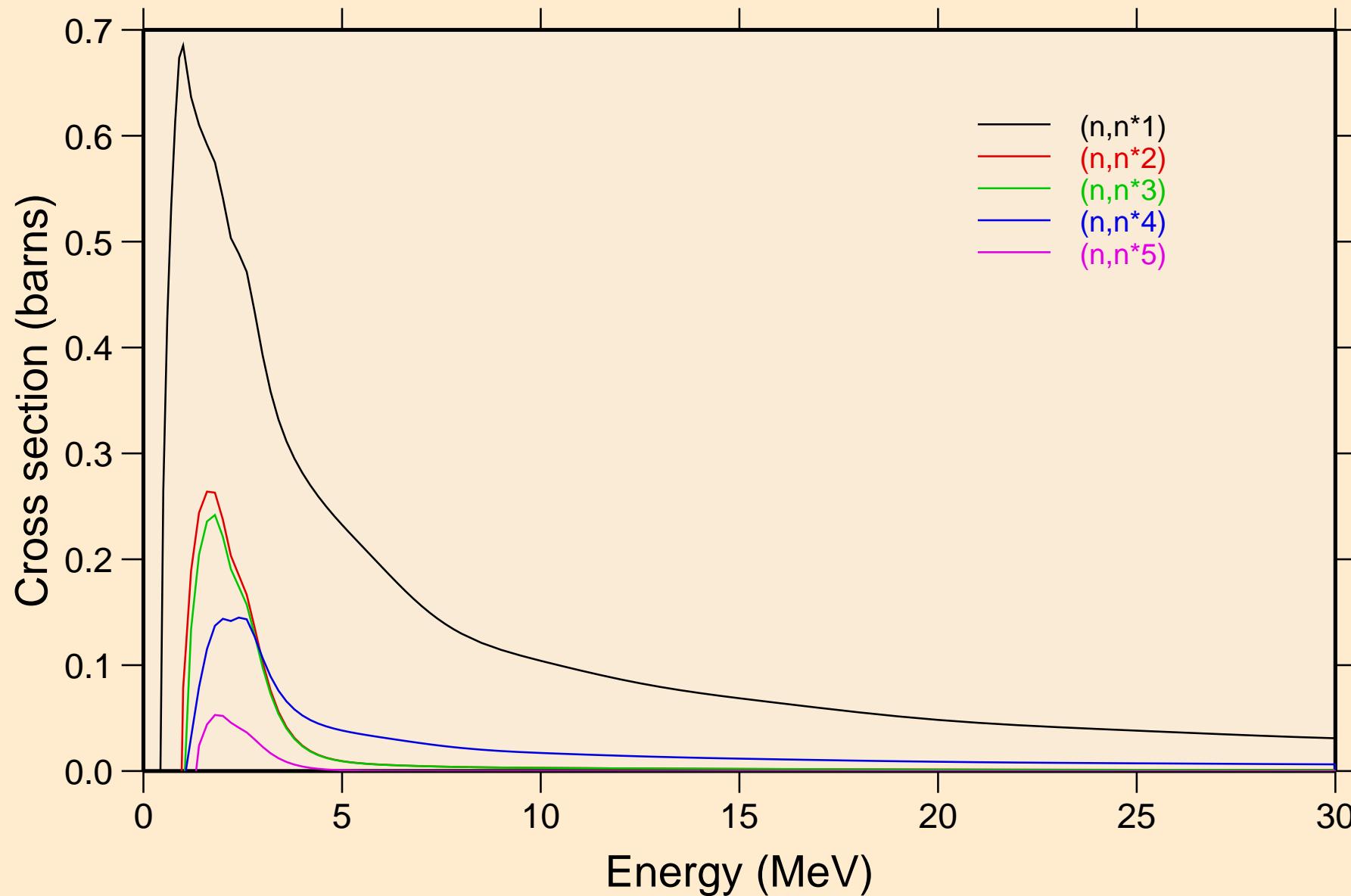
# HG196 NRG TENDL-2015, AKONING

## Non-threshold reactions



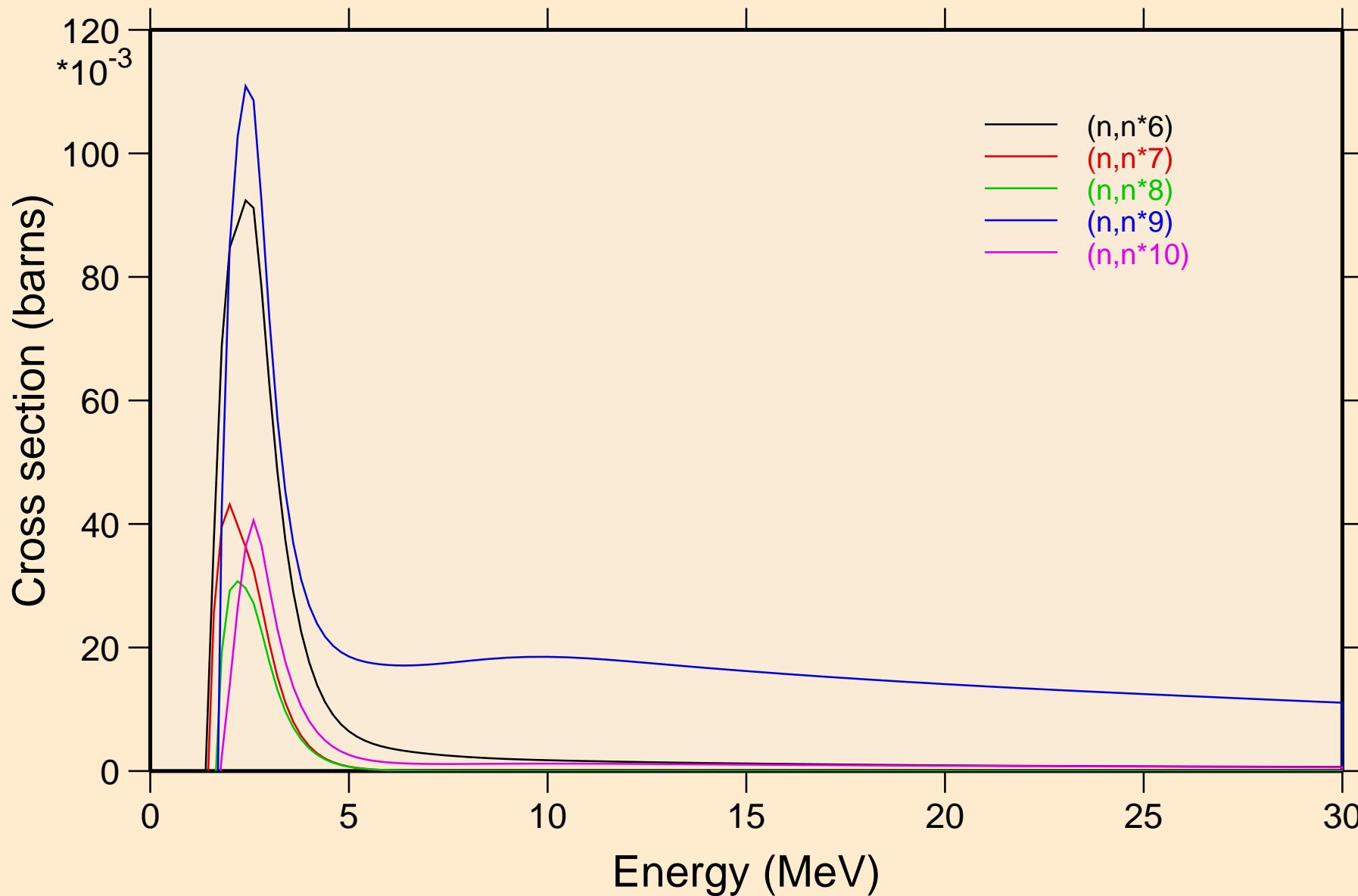
# HG196 NRG TENDL-2015, AKONING

## Inelastic levels



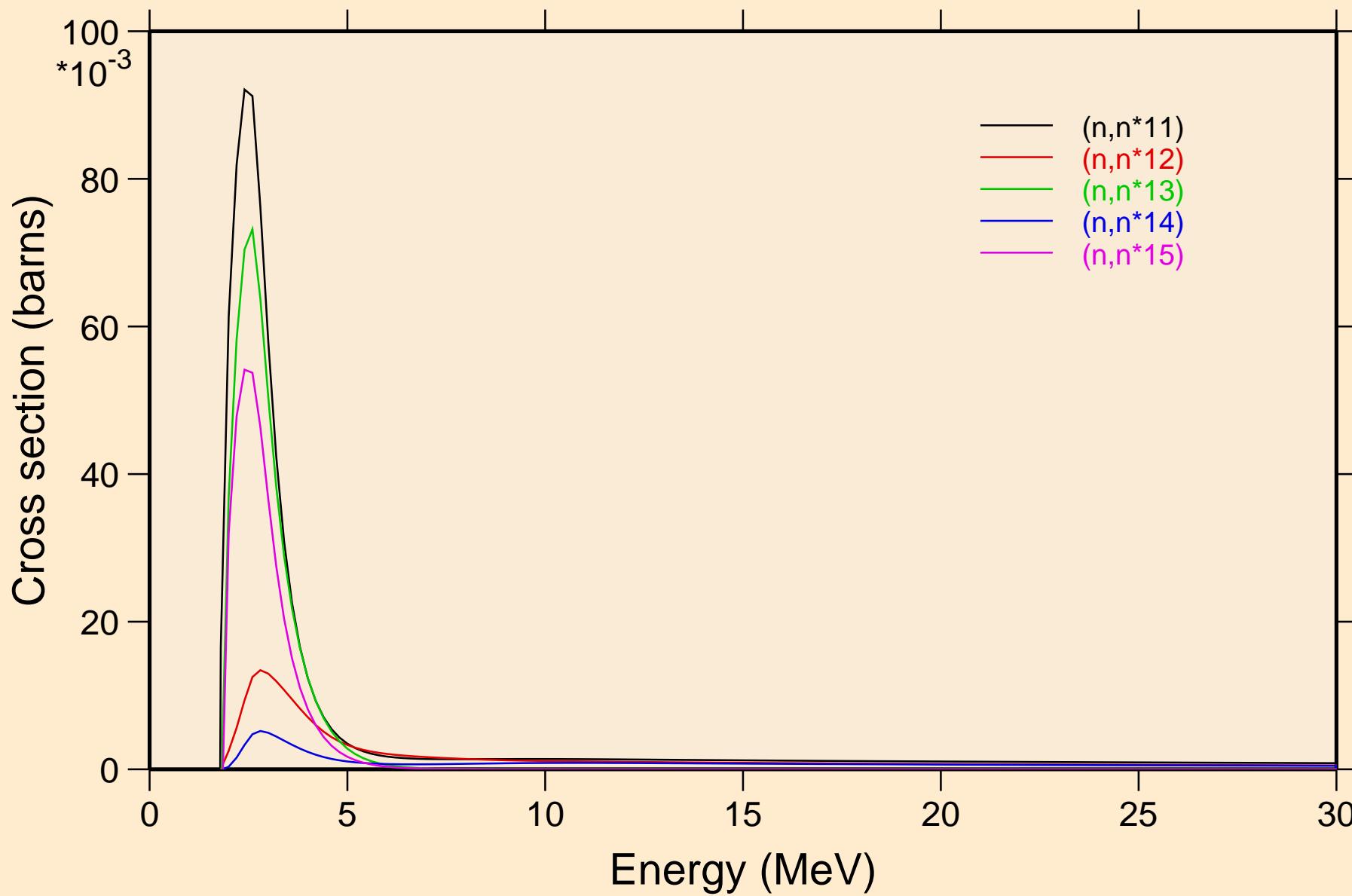
# HG196 NRG TENDL-2015, AKONING

## Inelastic levels



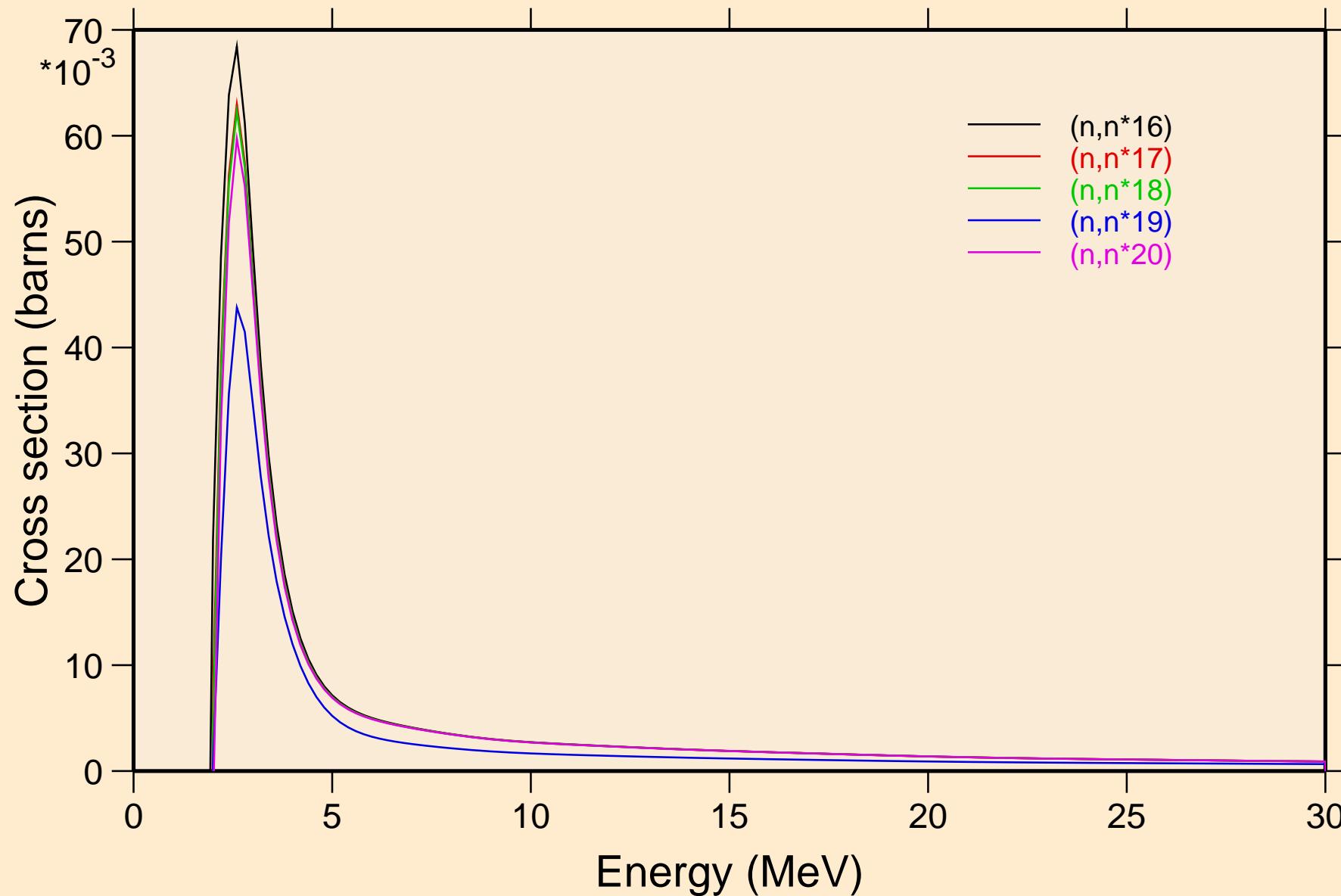
# HG196 NRG TENDL-2015, AKONING

## Inelastic levels



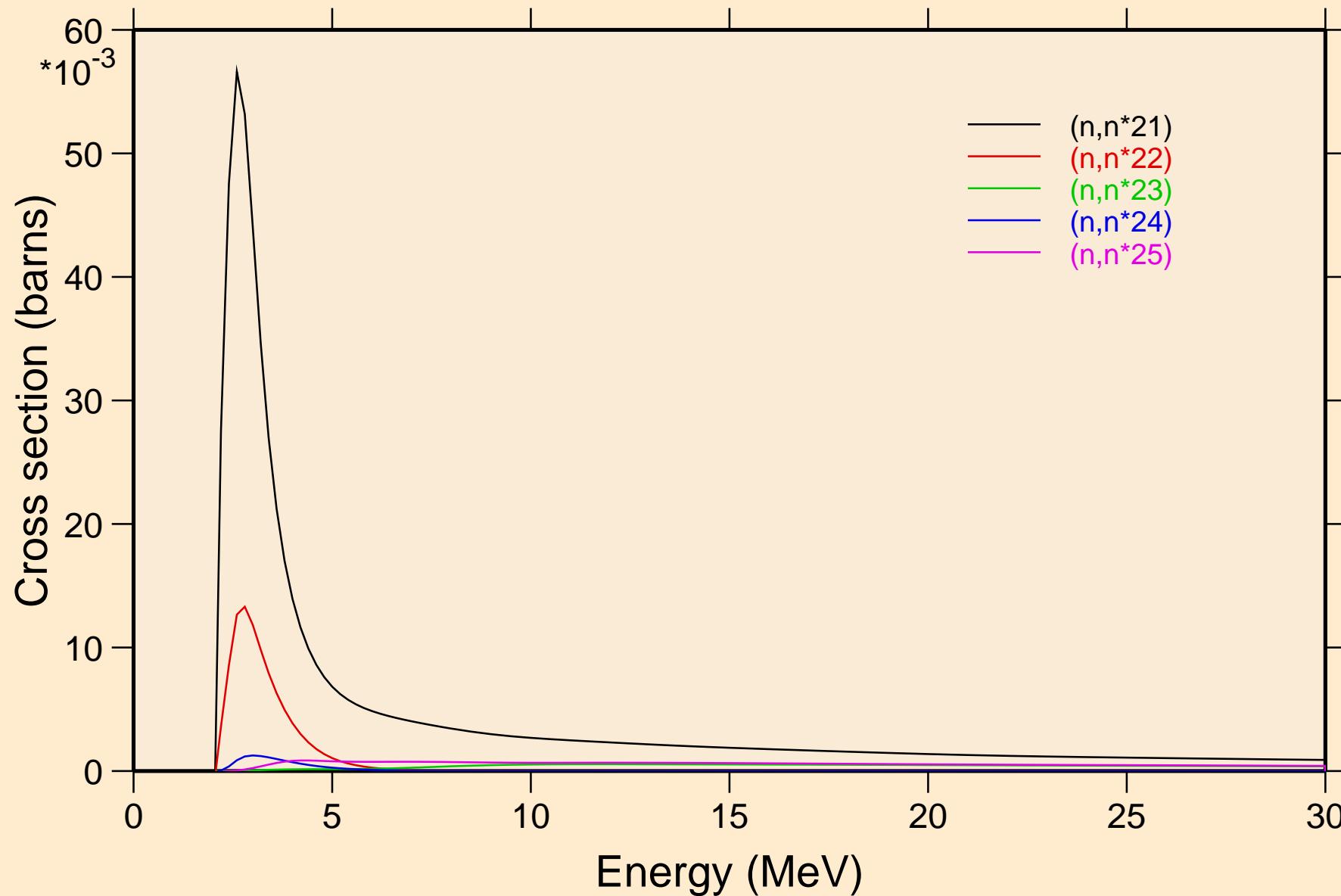
# HG196 NRG TENDL-2015, AKONING

## Inelastic levels



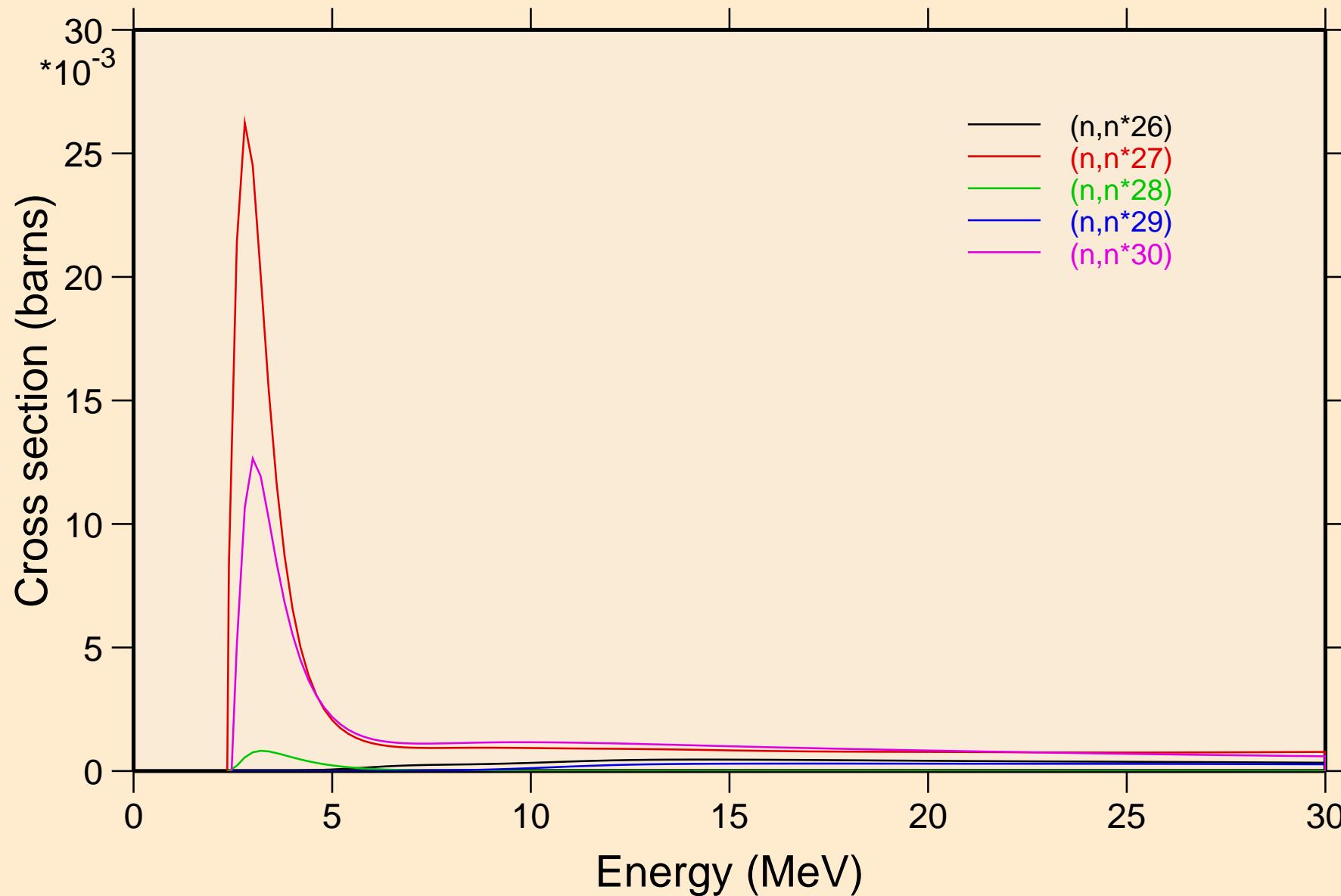
# HG196 NRG TENDL-2015, AKONING

## Inelastic levels



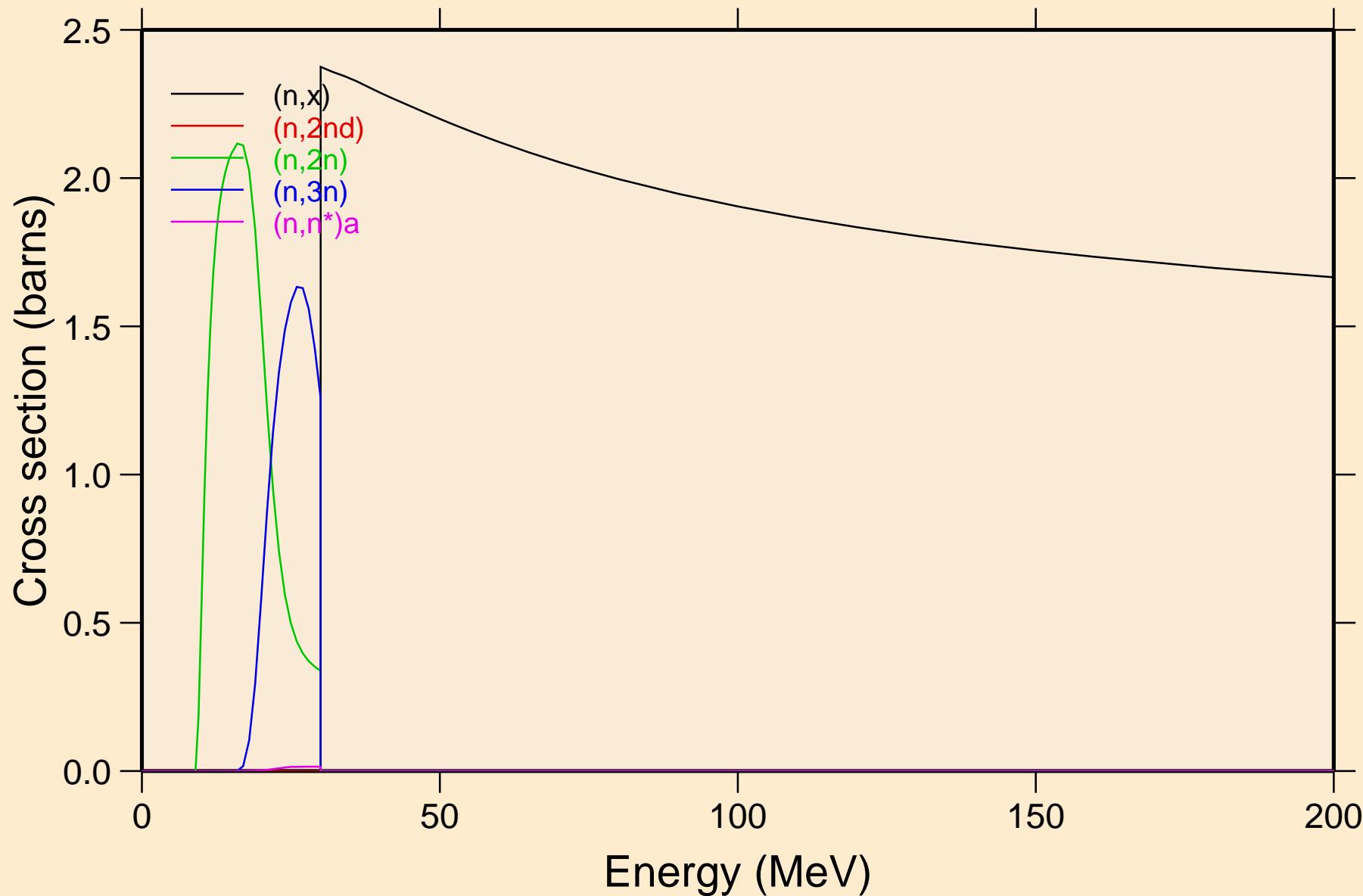
# HG196 NRG TENDL-2015, AKONING

## Inelastic levels



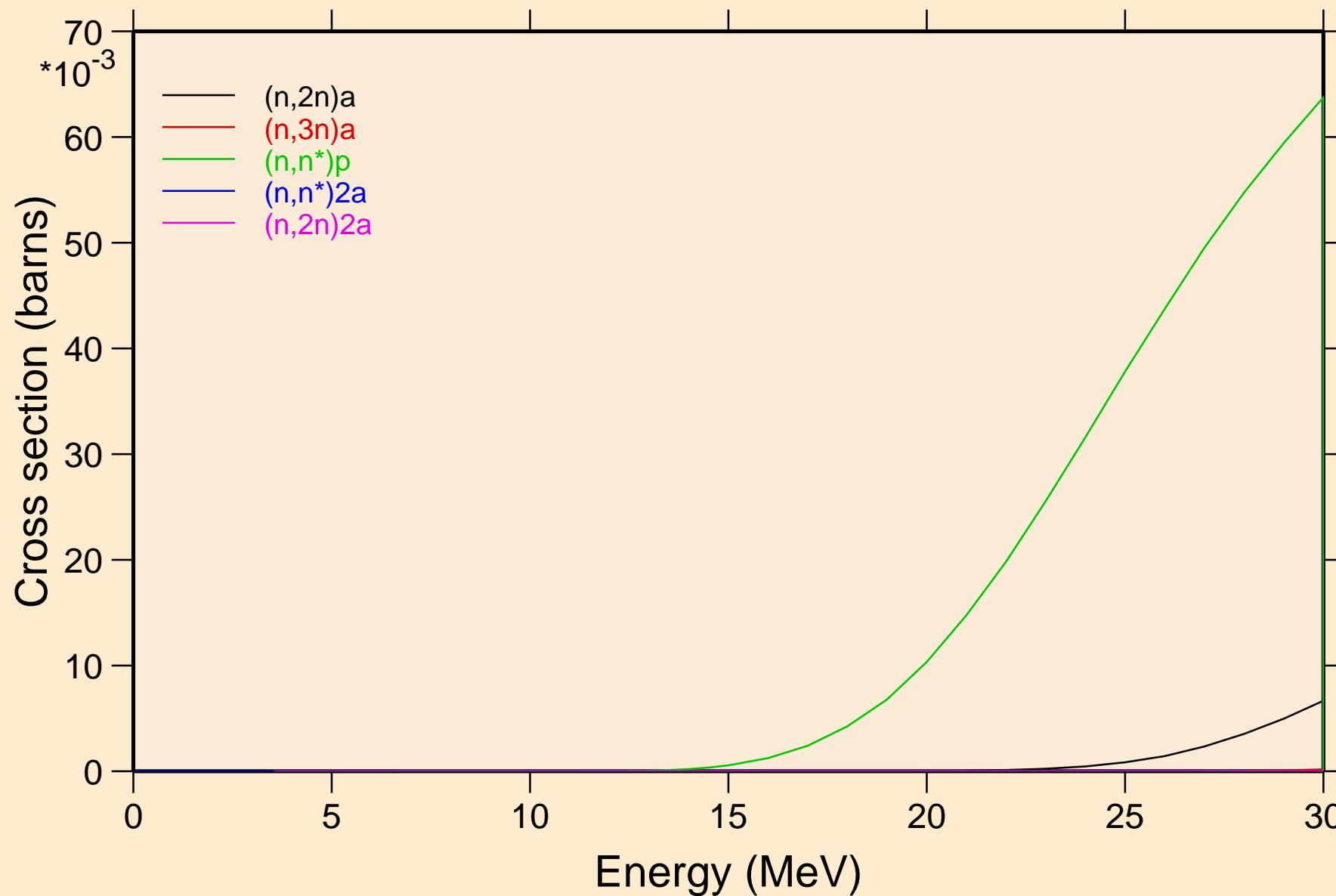
# HG196 NRG TENDL-2015, AKONING

## Threshold reactions



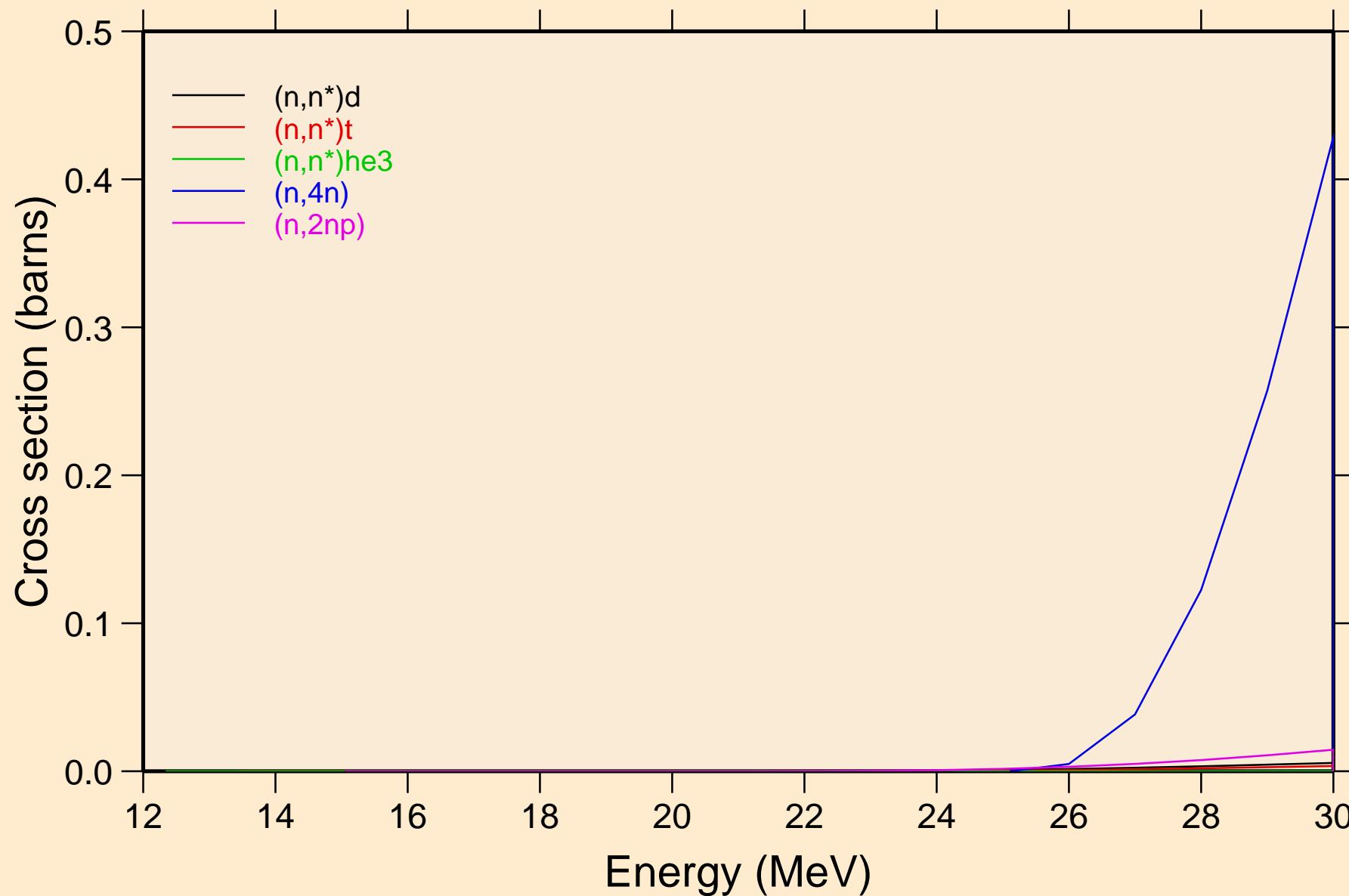
# HG196 NRG TENDL-2015, AKONING

## Threshold reactions



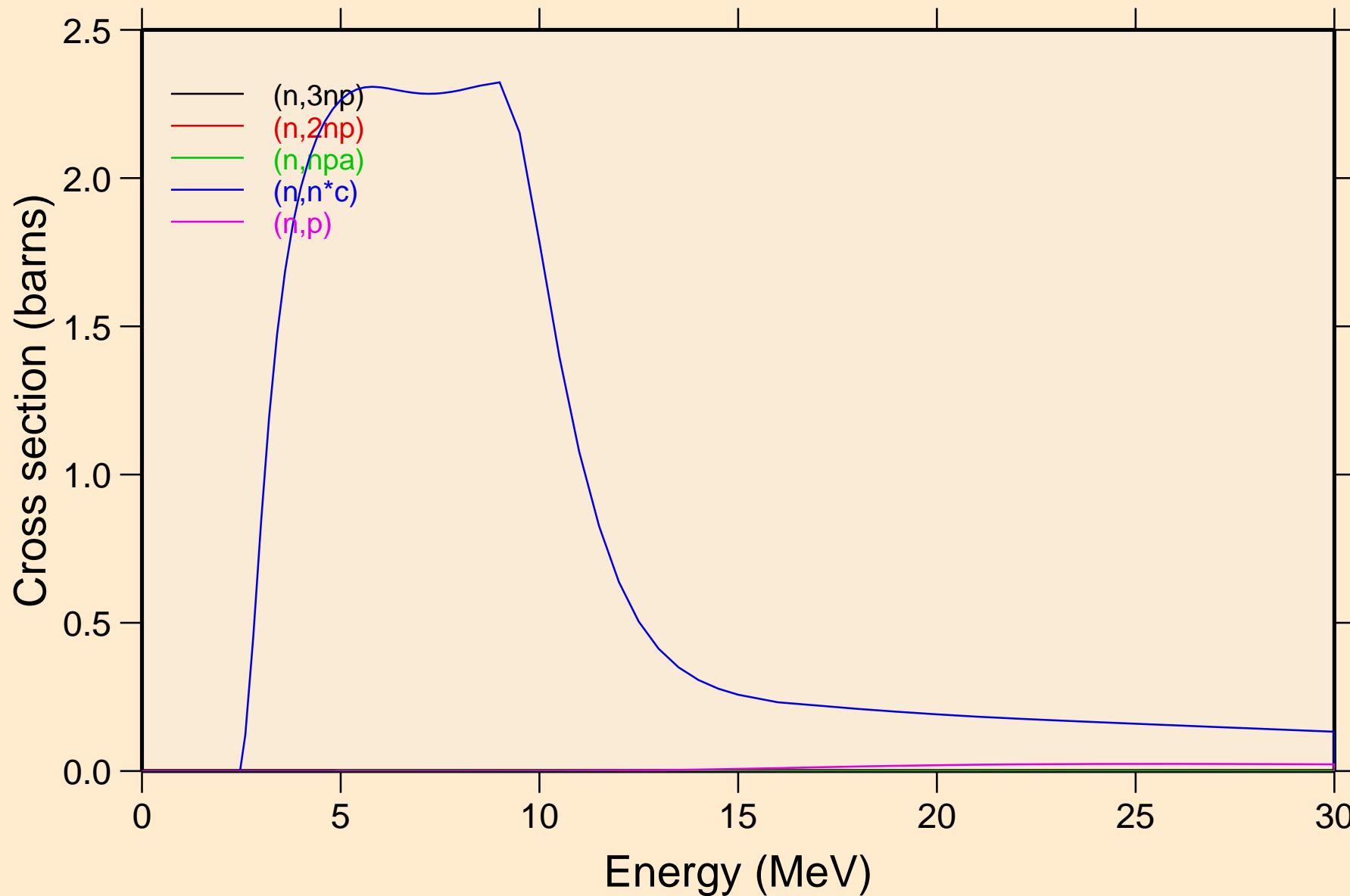
# HG196 NRG TENDL-2015, AKONING

## Threshold reactions



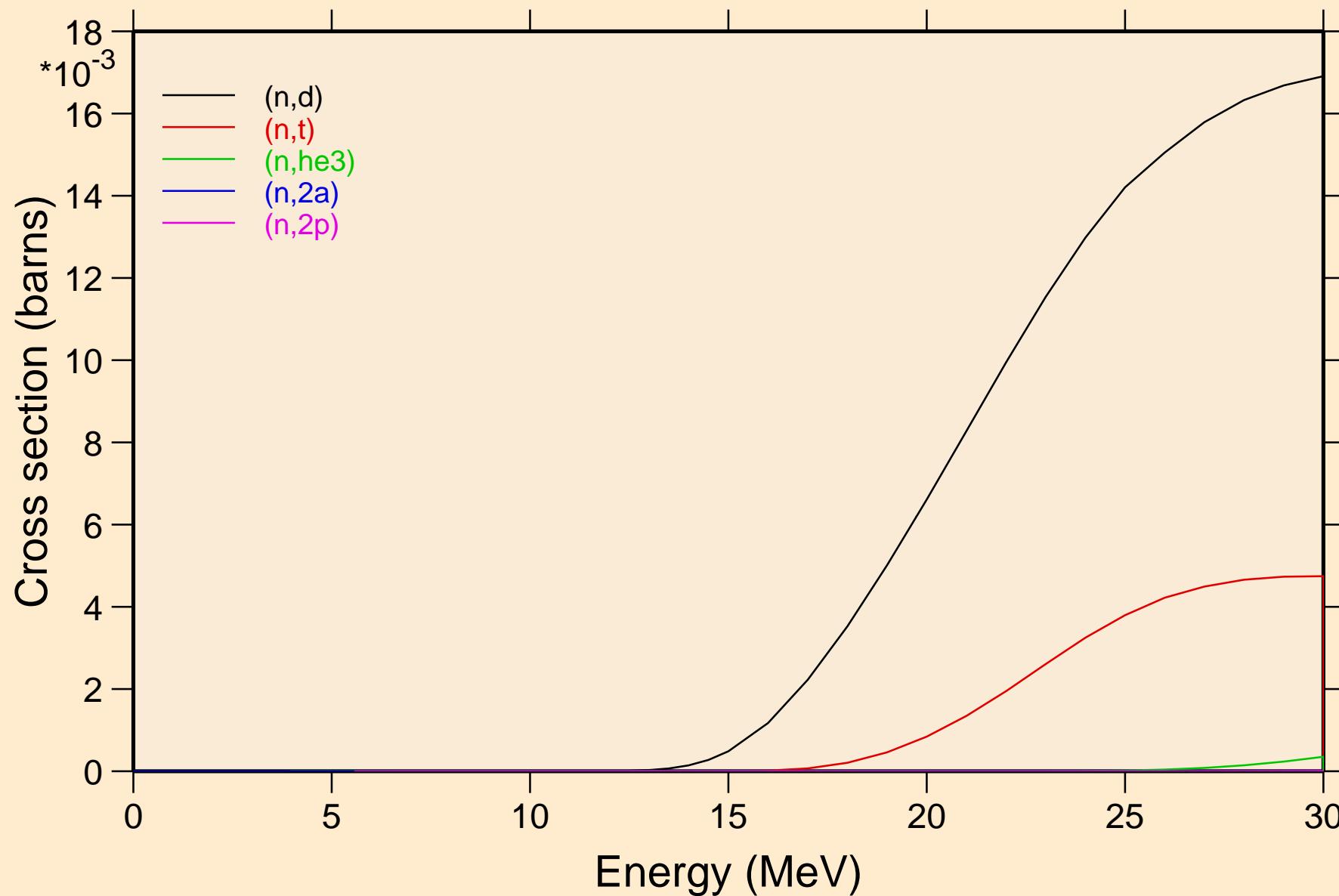
# HG196 NRG TENDL-2015, AKONING

## Threshold reactions



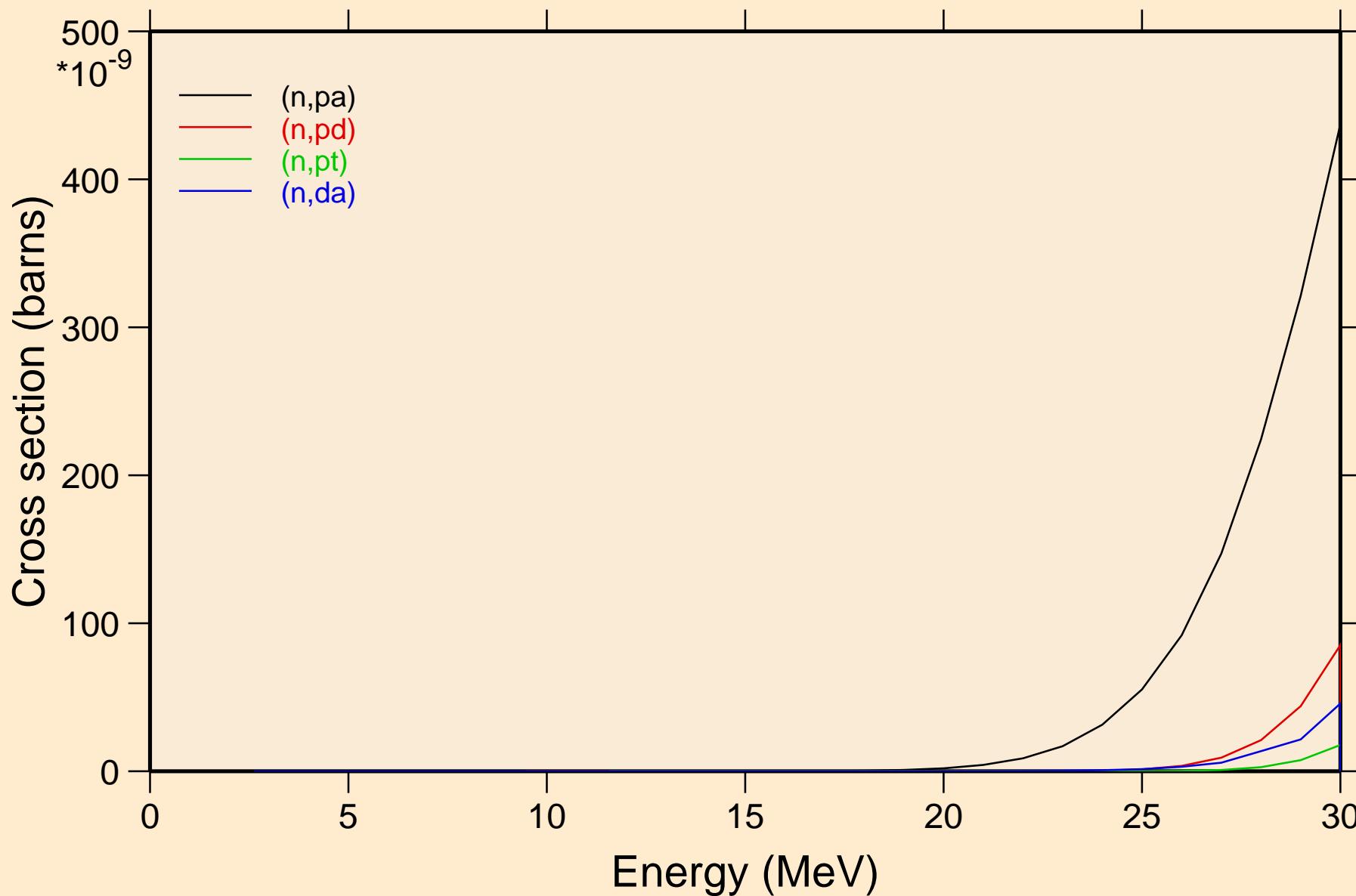
# HG196 NRG TENDL-2015, AKONING

## Threshold reactions

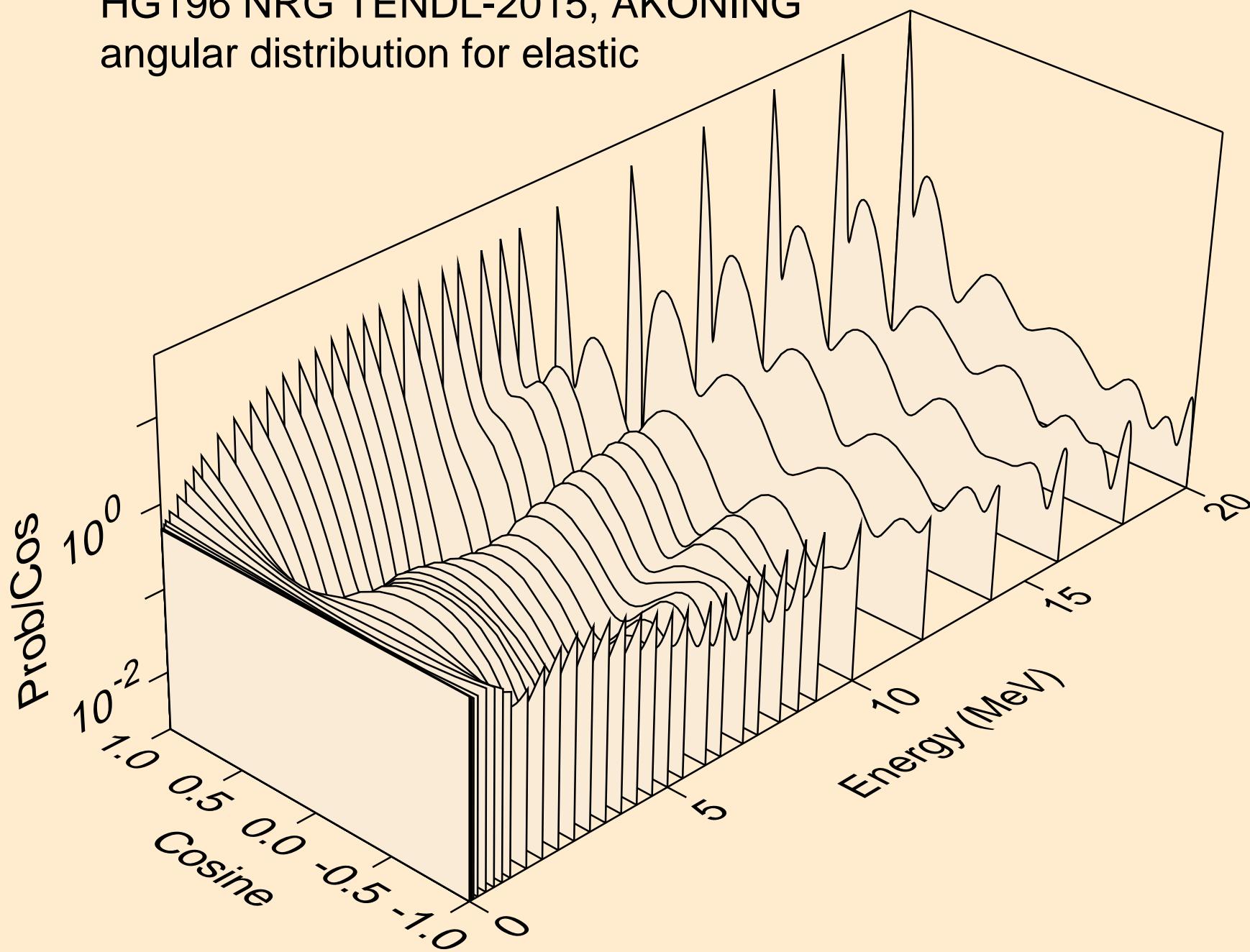


# HG196 NRG TENDL-2015, AKONING

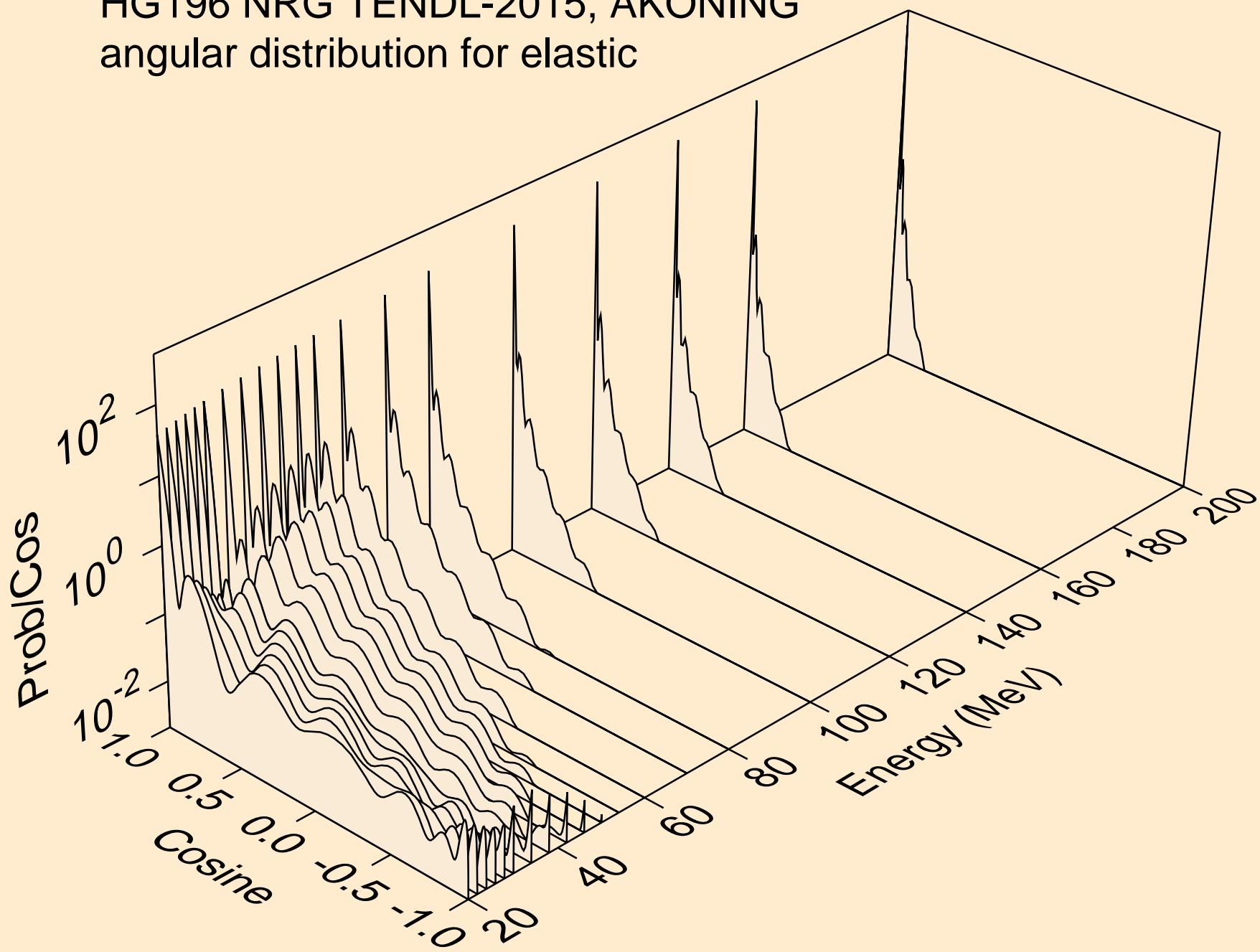
## Threshold reactions



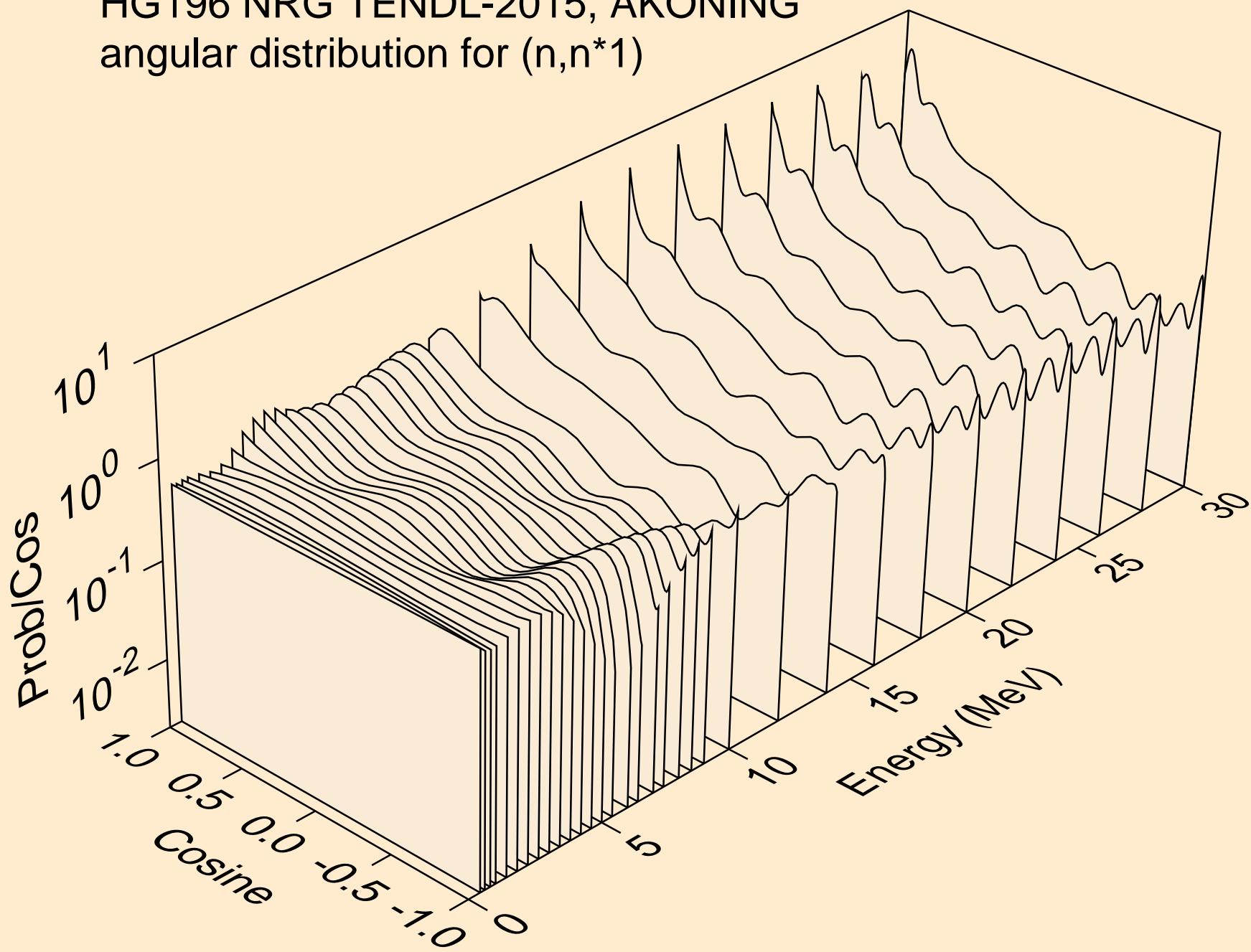
HG196 NRG TENDL-2015, AKONING  
angular distribution for elastic



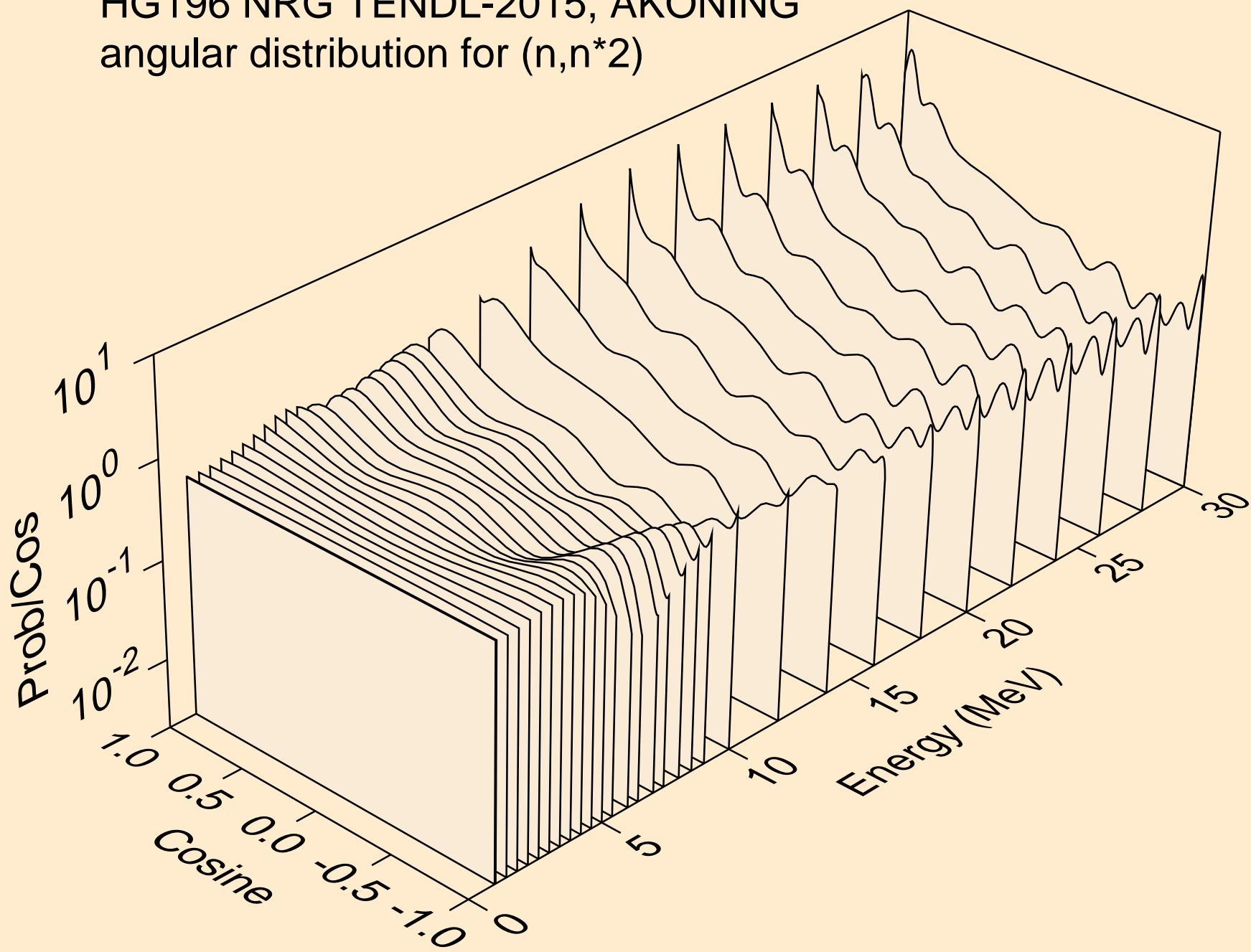
HG196 NRG TENDL-2015, AKONING  
angular distribution for elastic



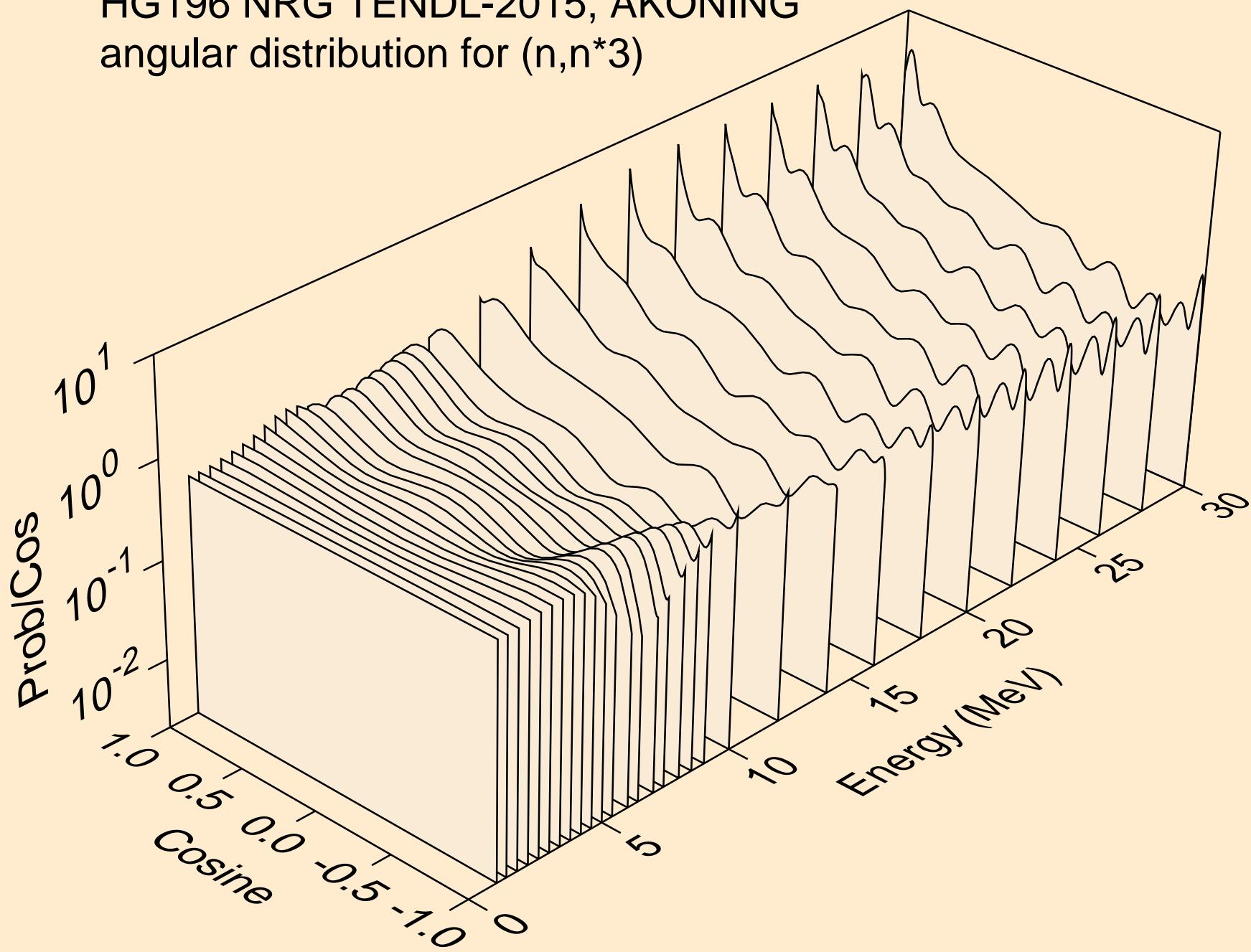
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



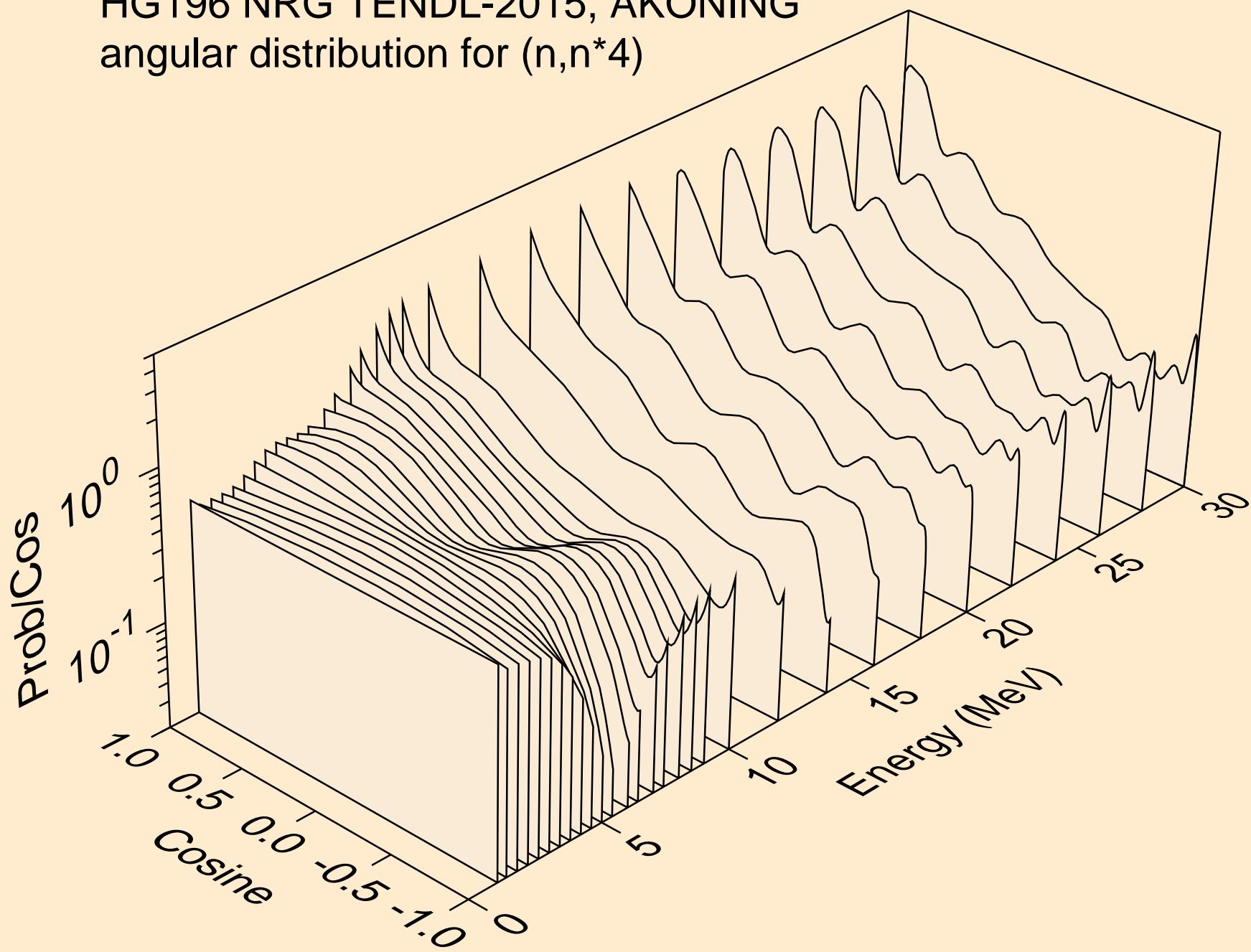
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^2$



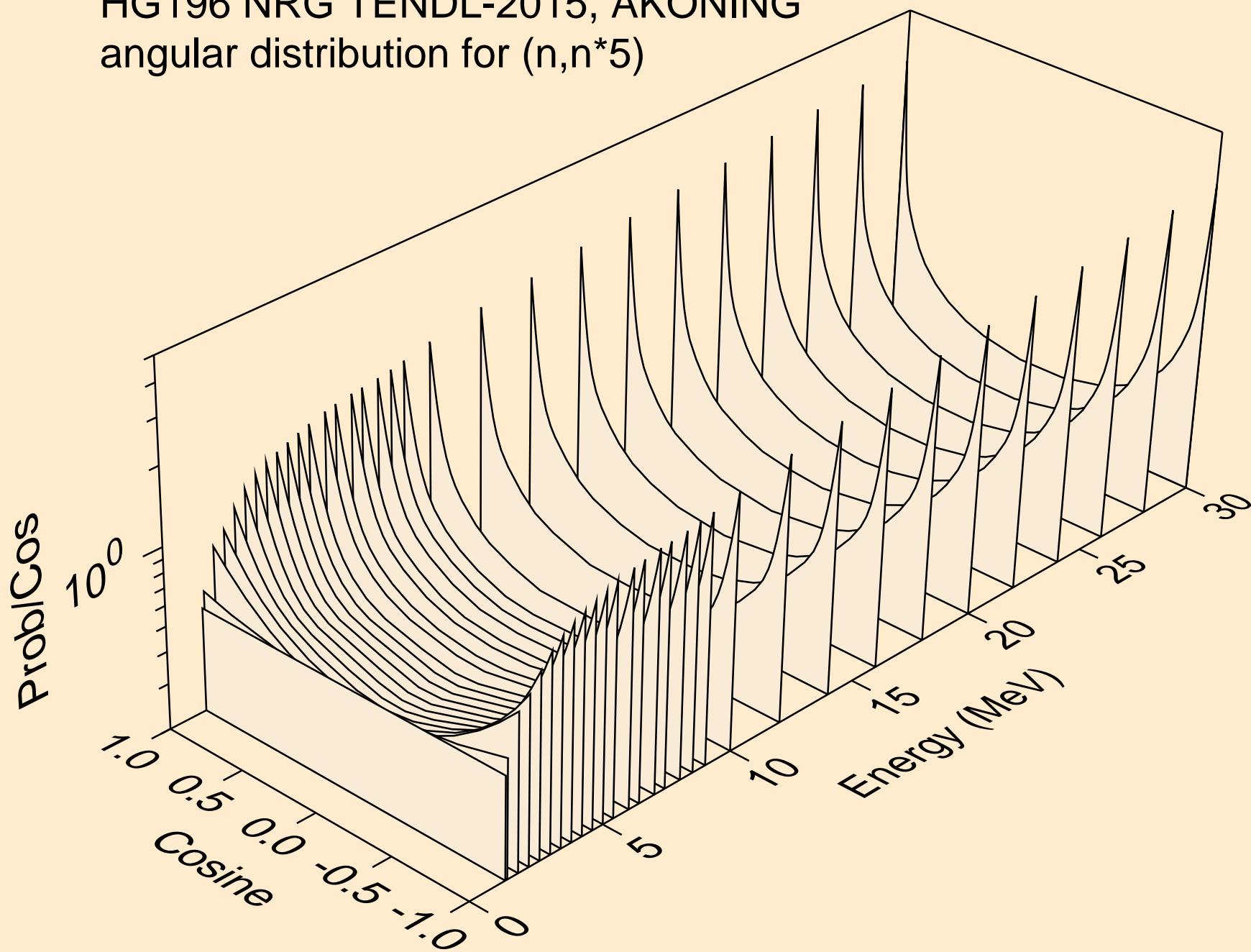
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



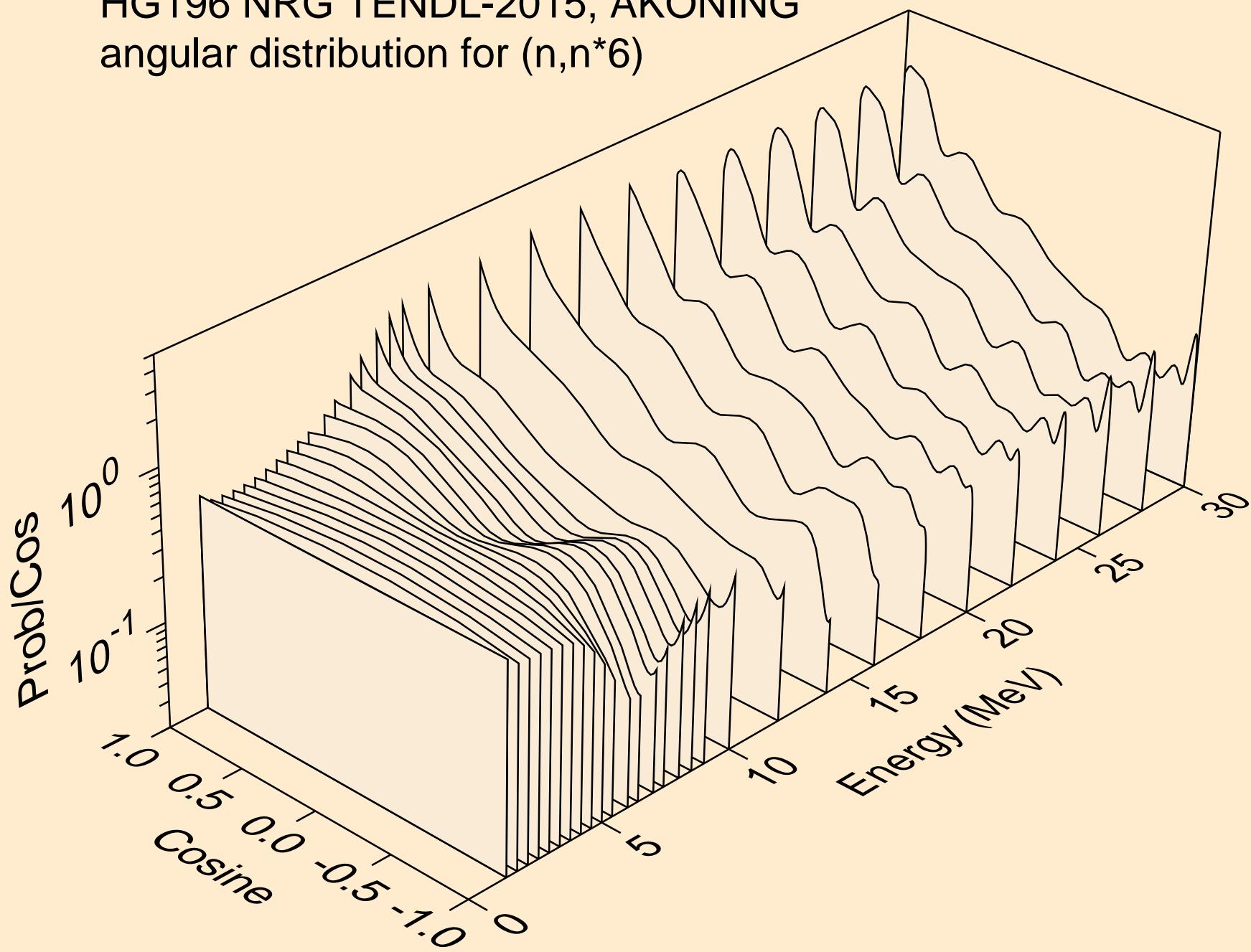
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



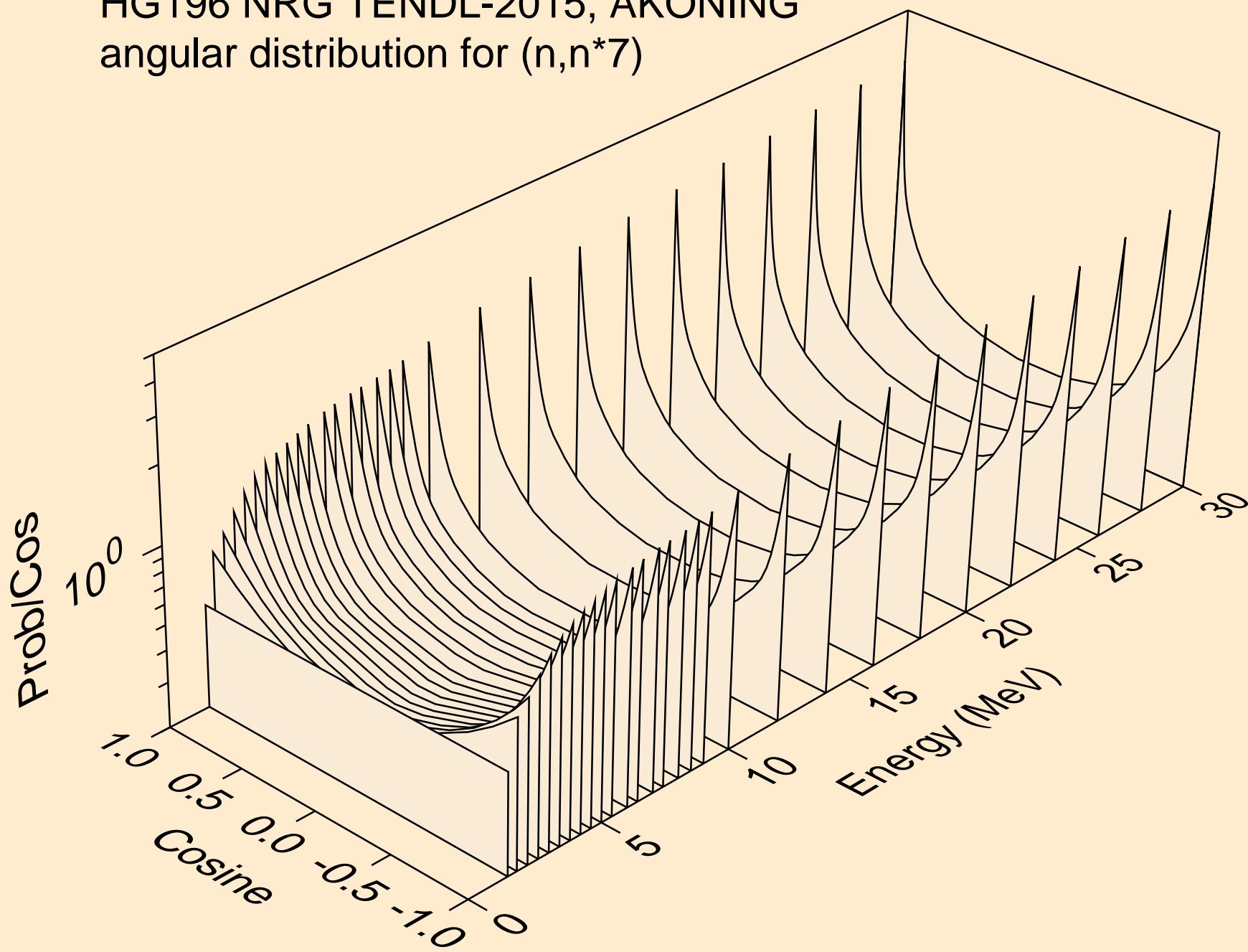
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



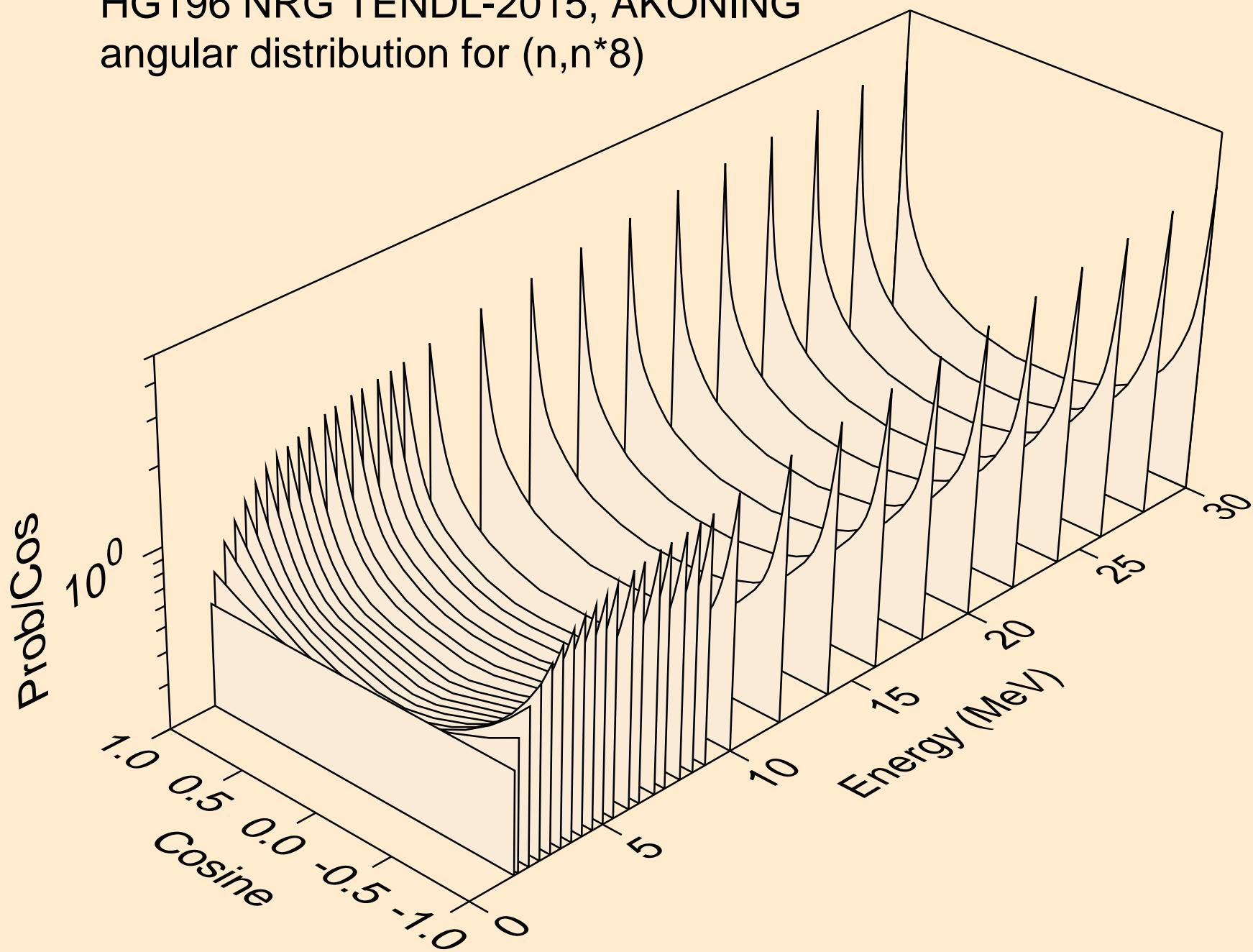
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



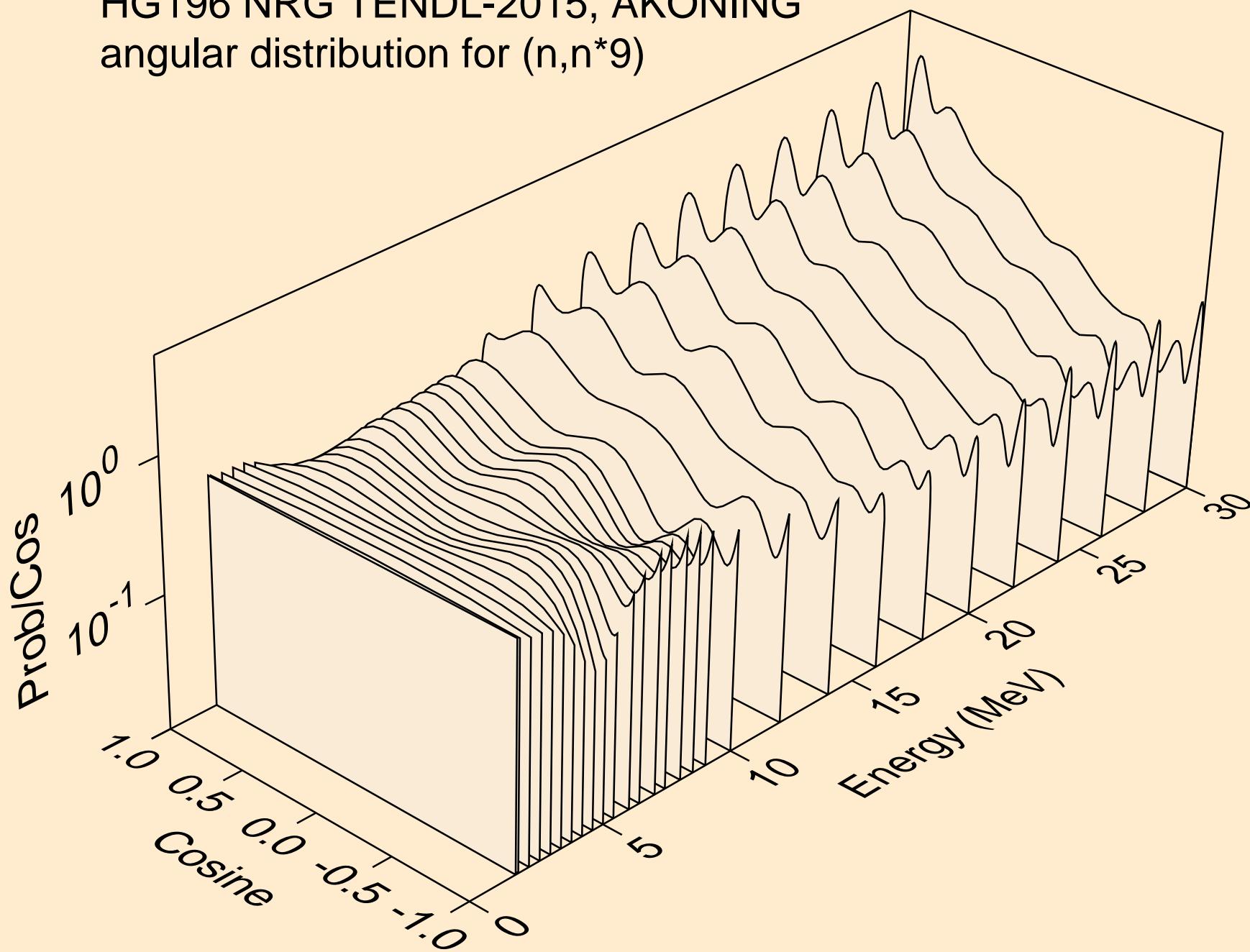
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



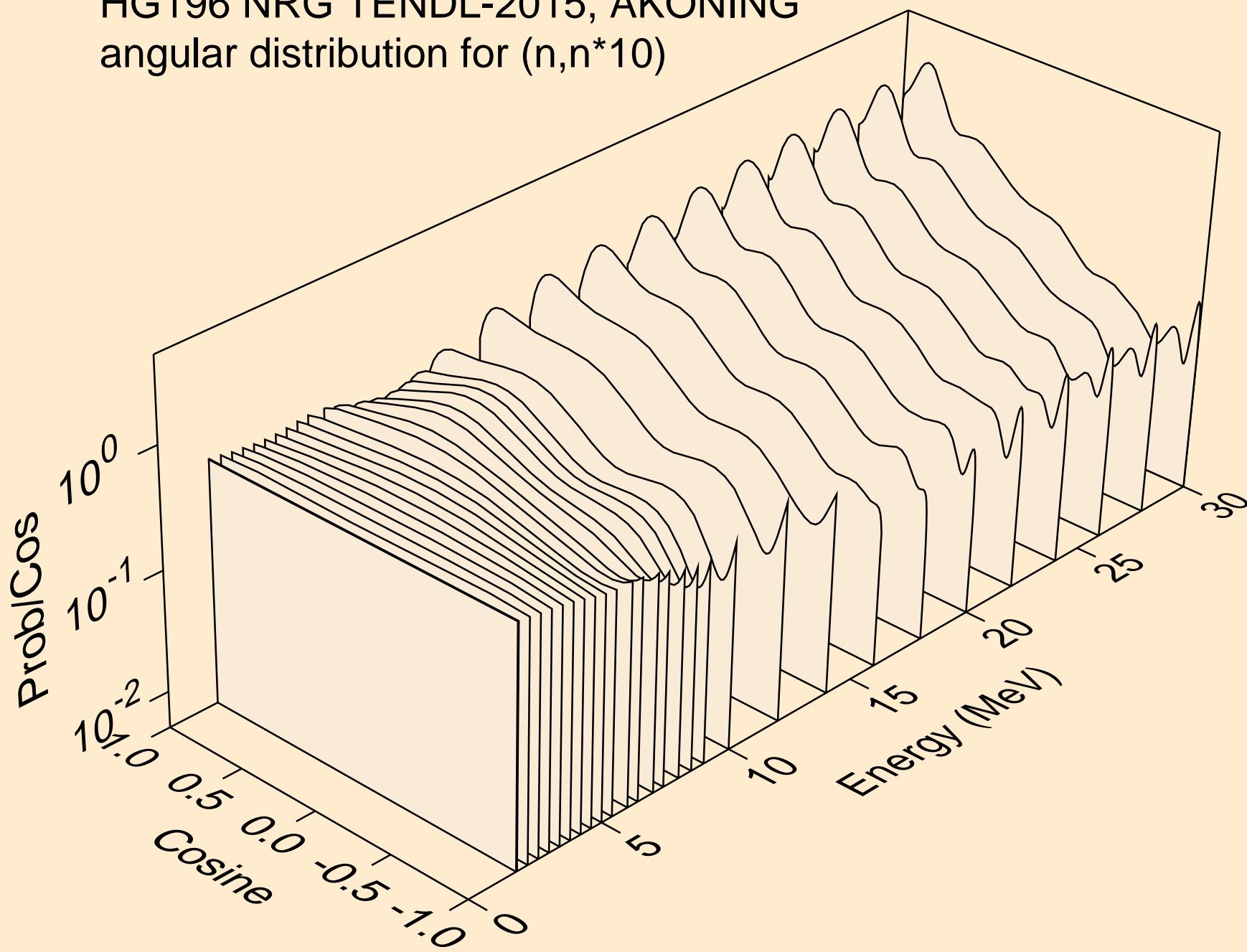
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



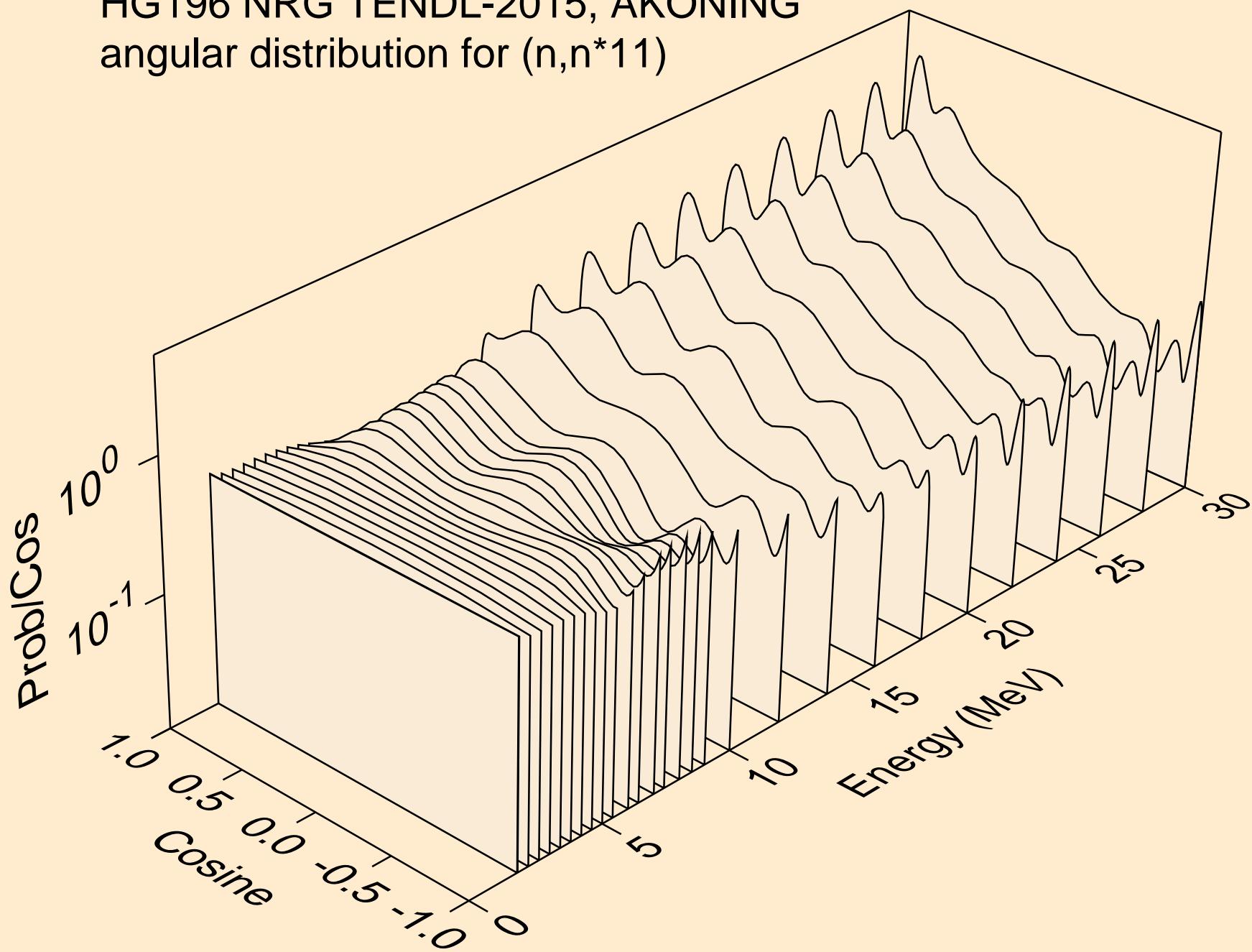
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)9$



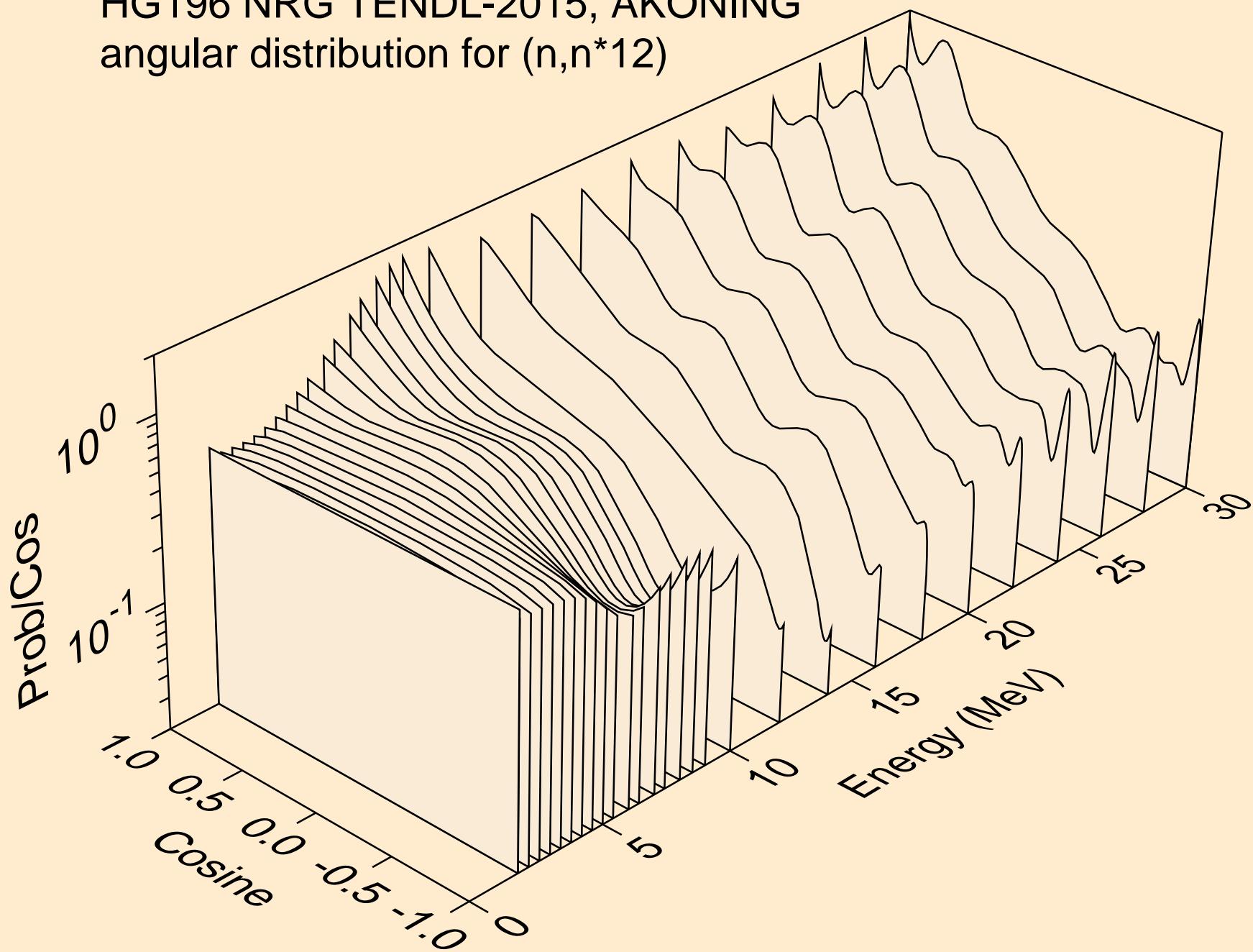
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



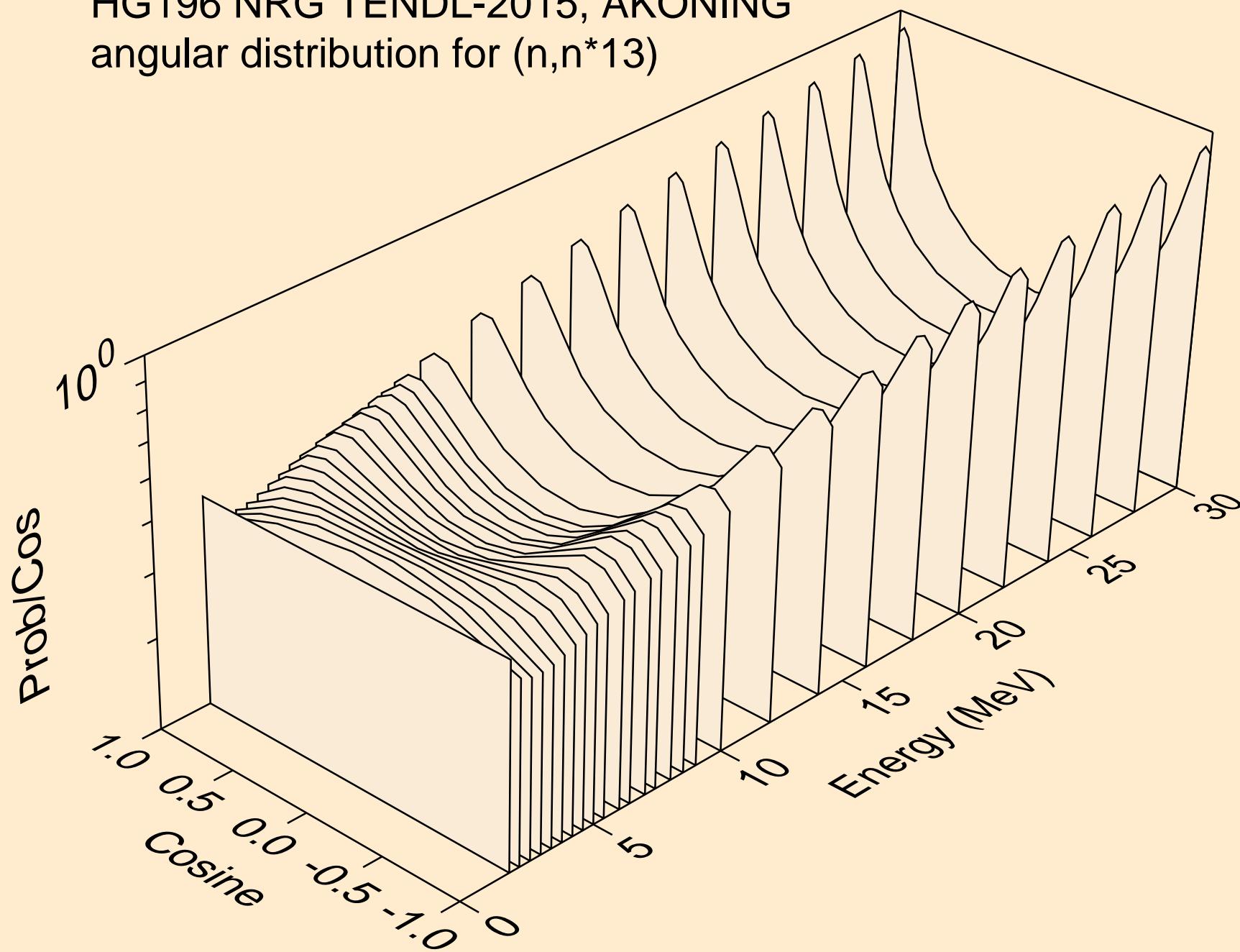
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



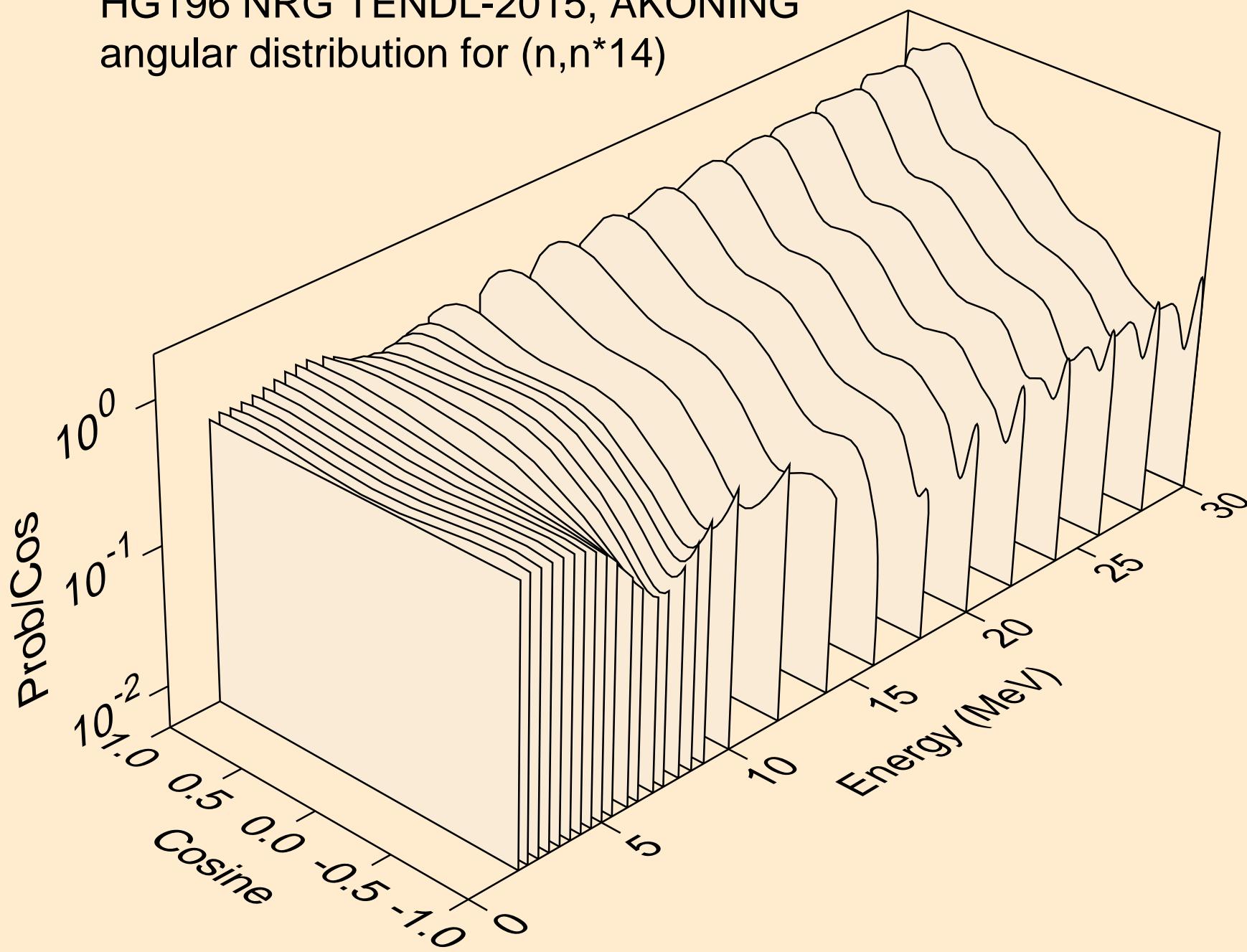
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*12)$



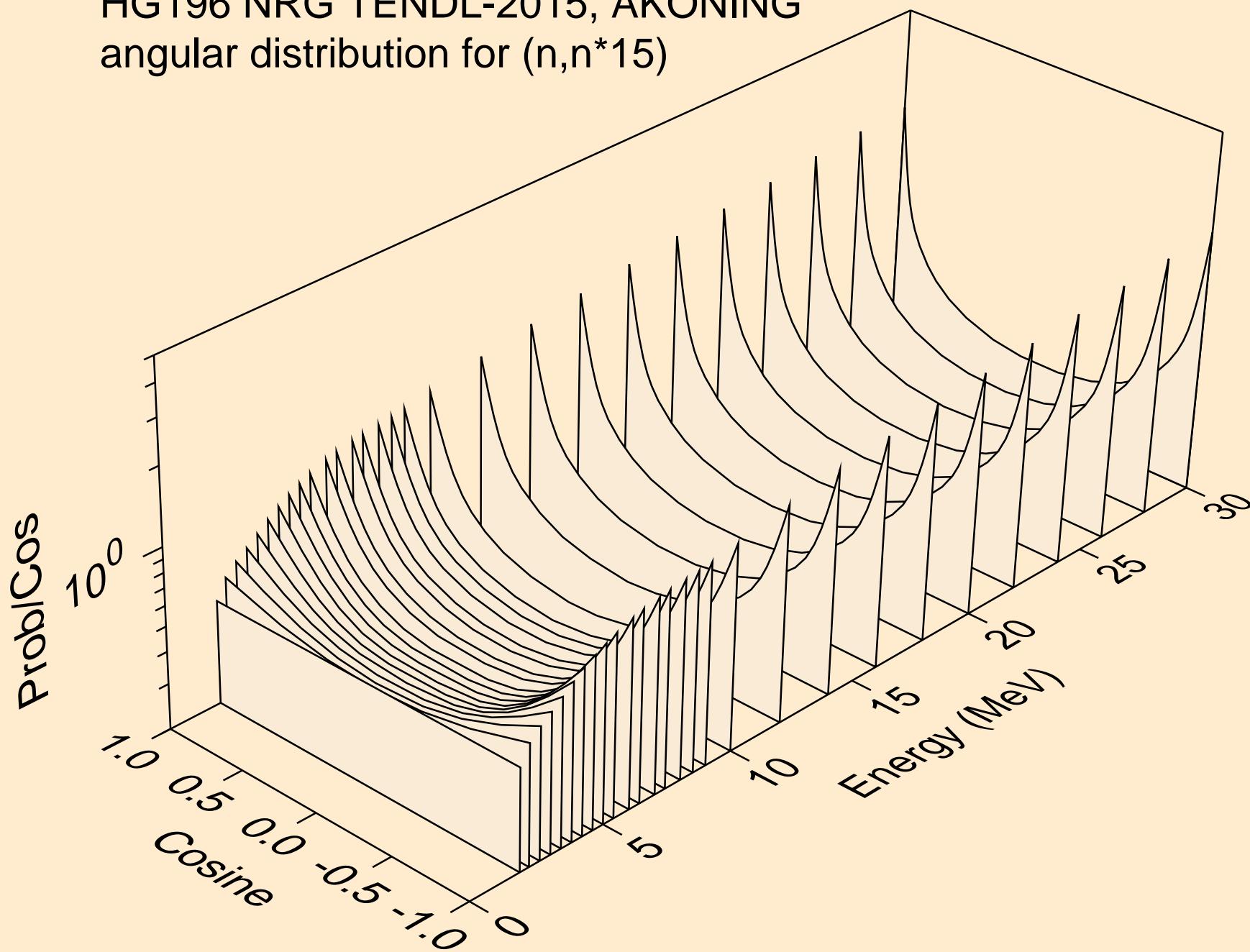
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



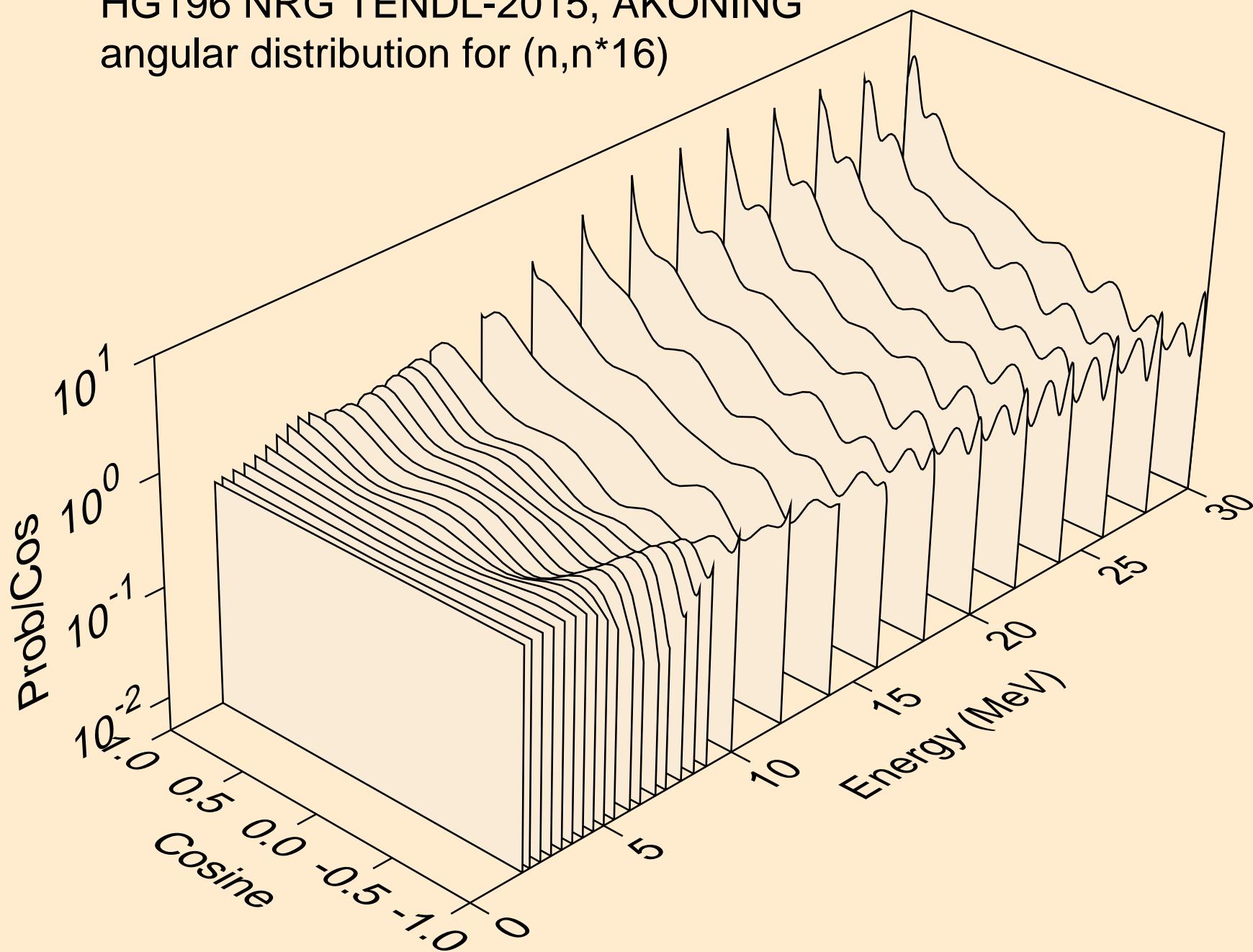
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



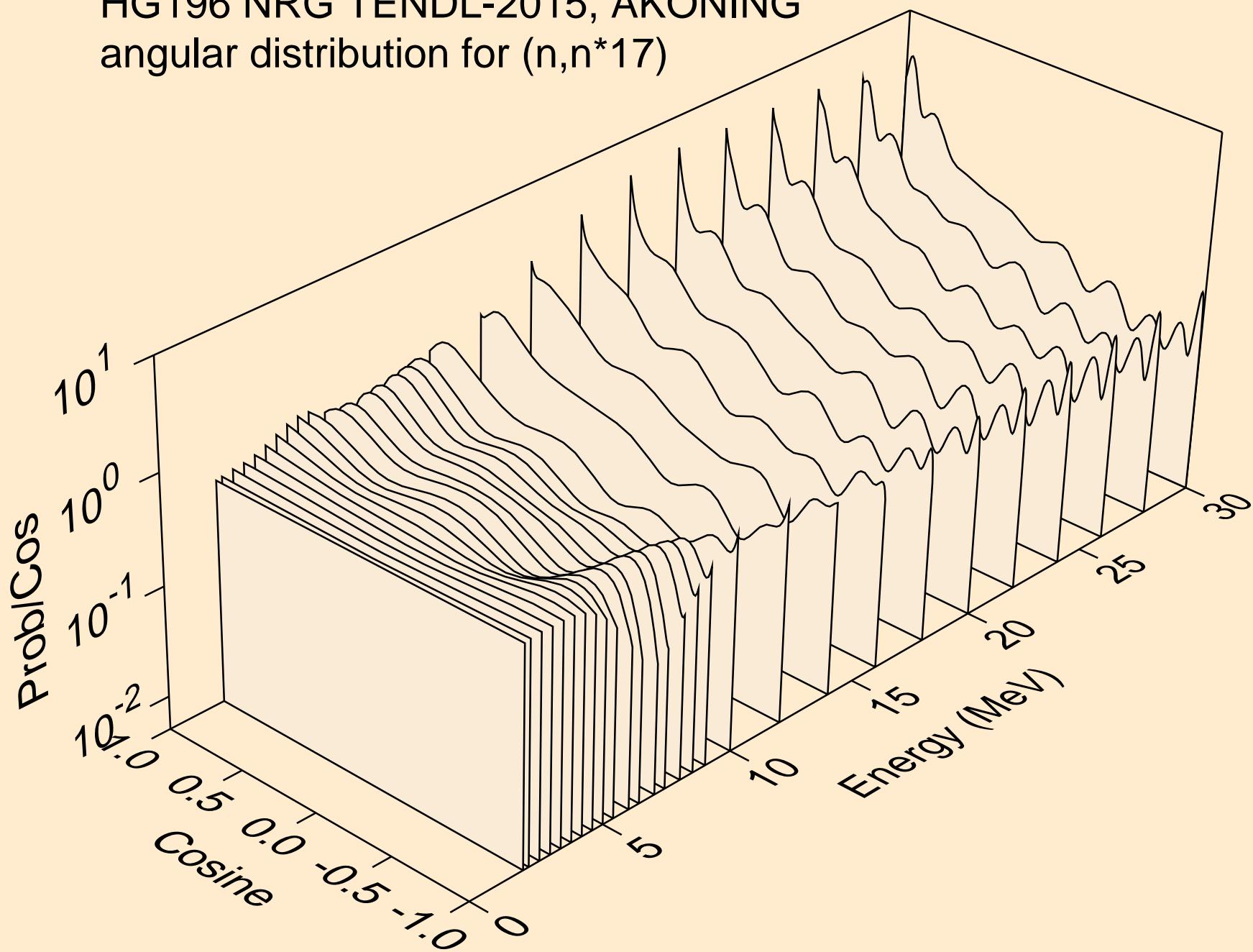
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*15)$



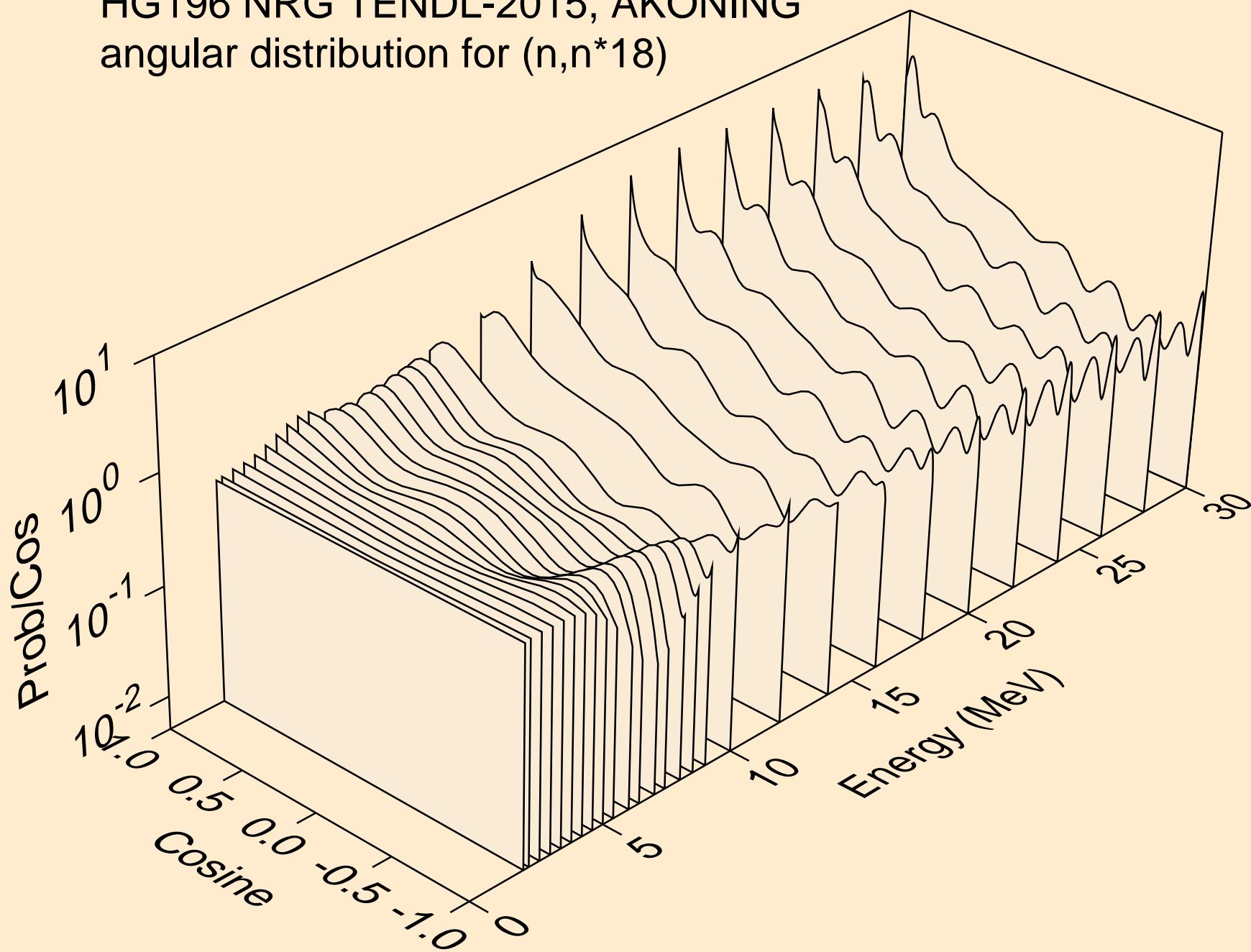
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



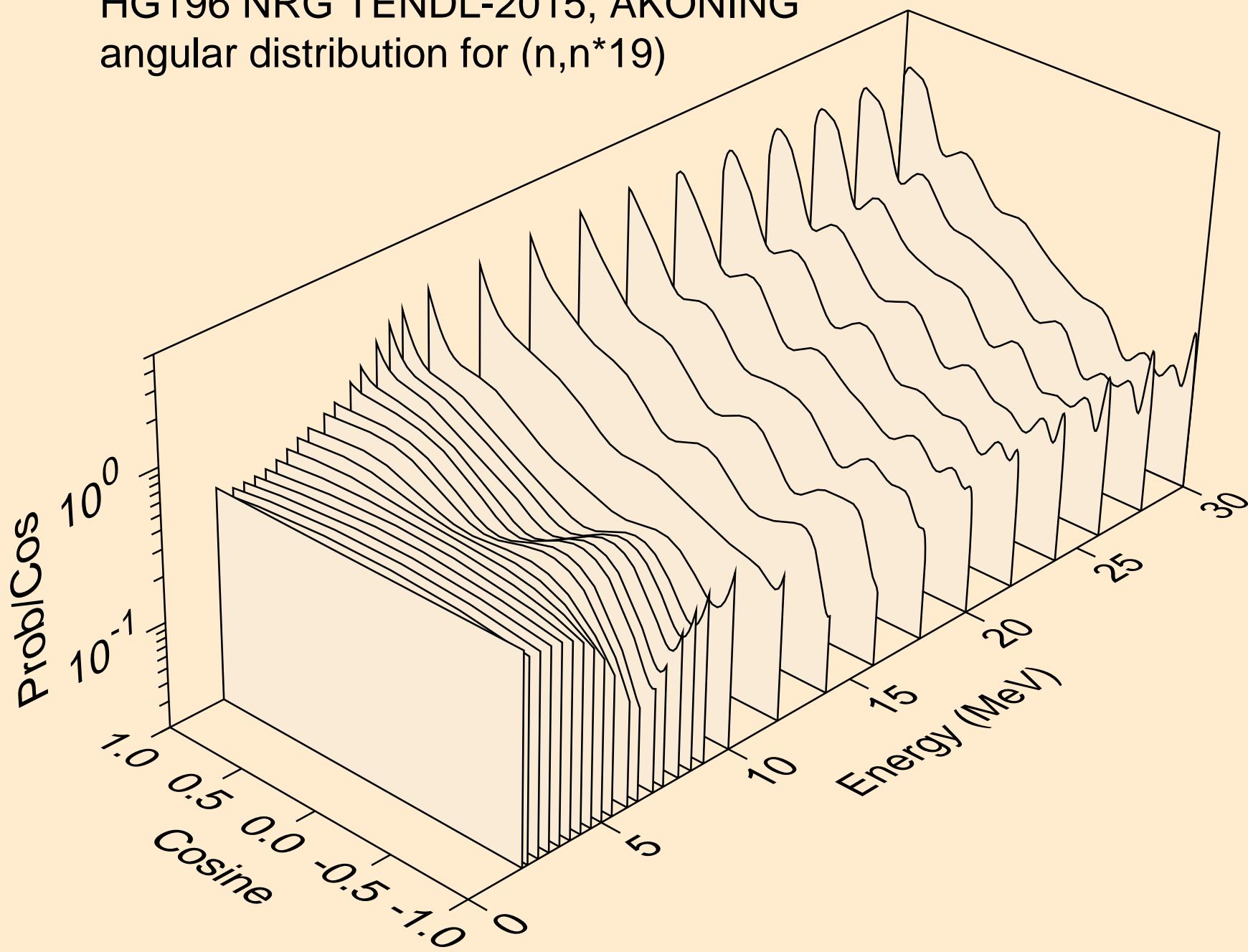
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



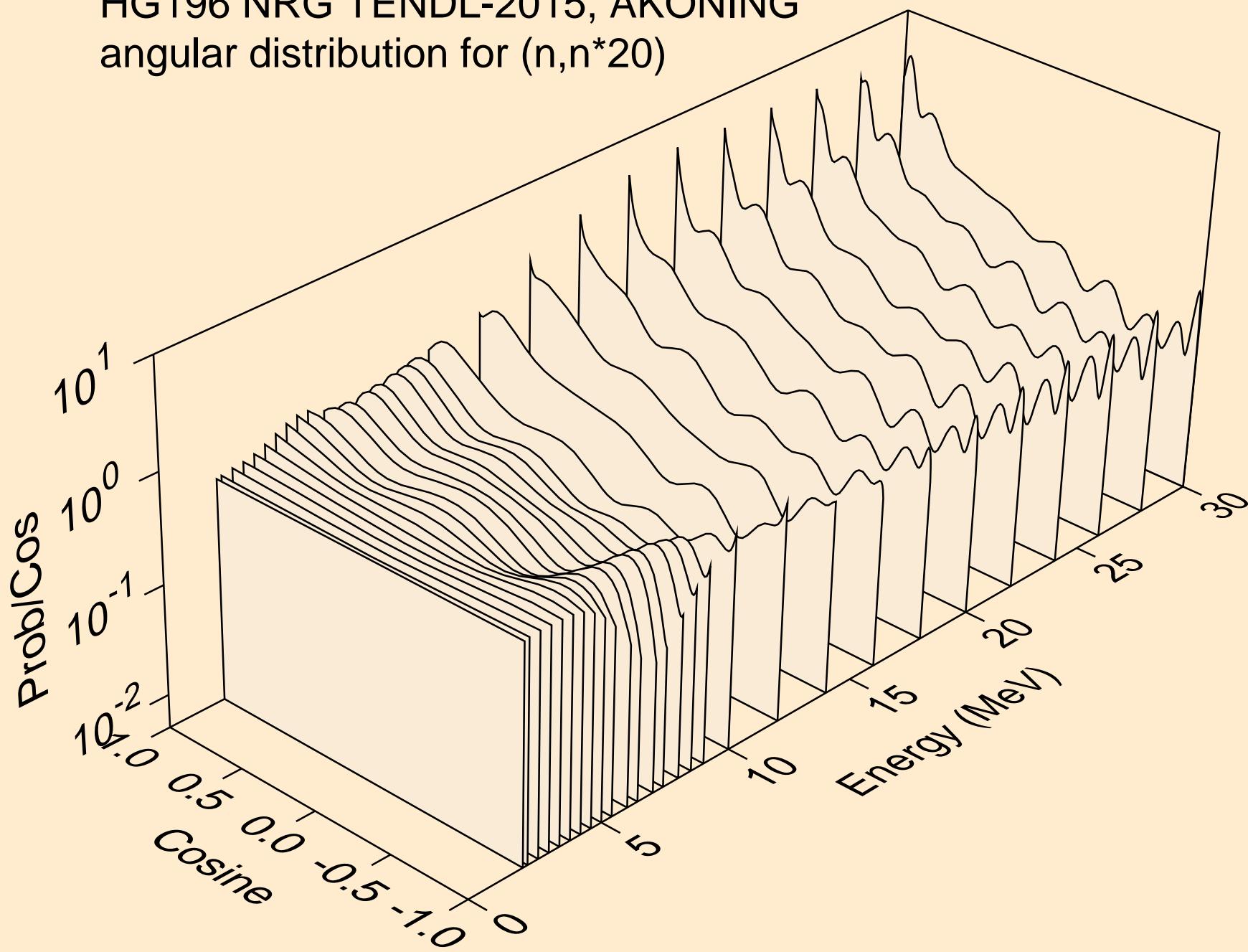
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angular distribution for (n,n\*18)



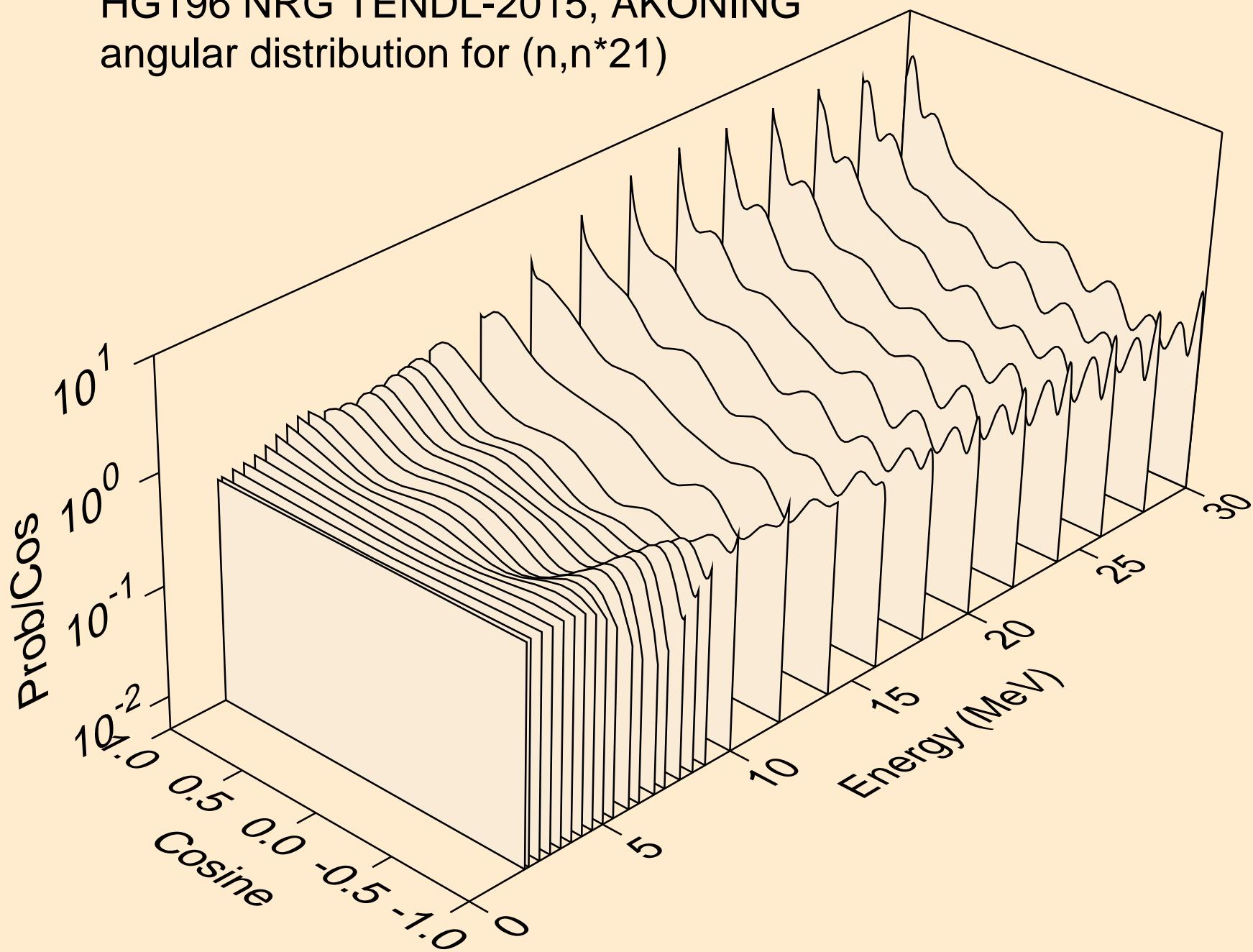
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angular distribution for (n,n\*19)



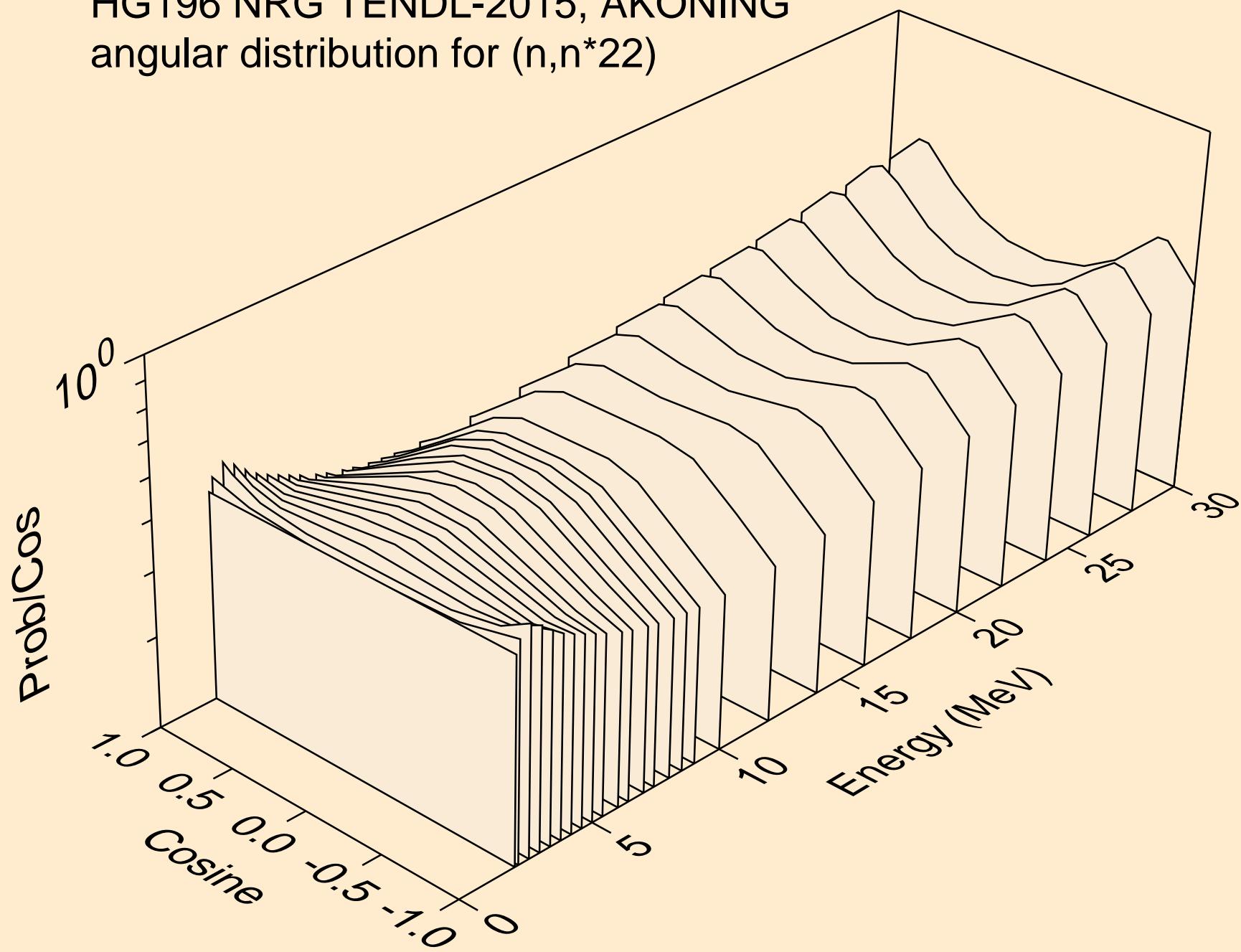
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



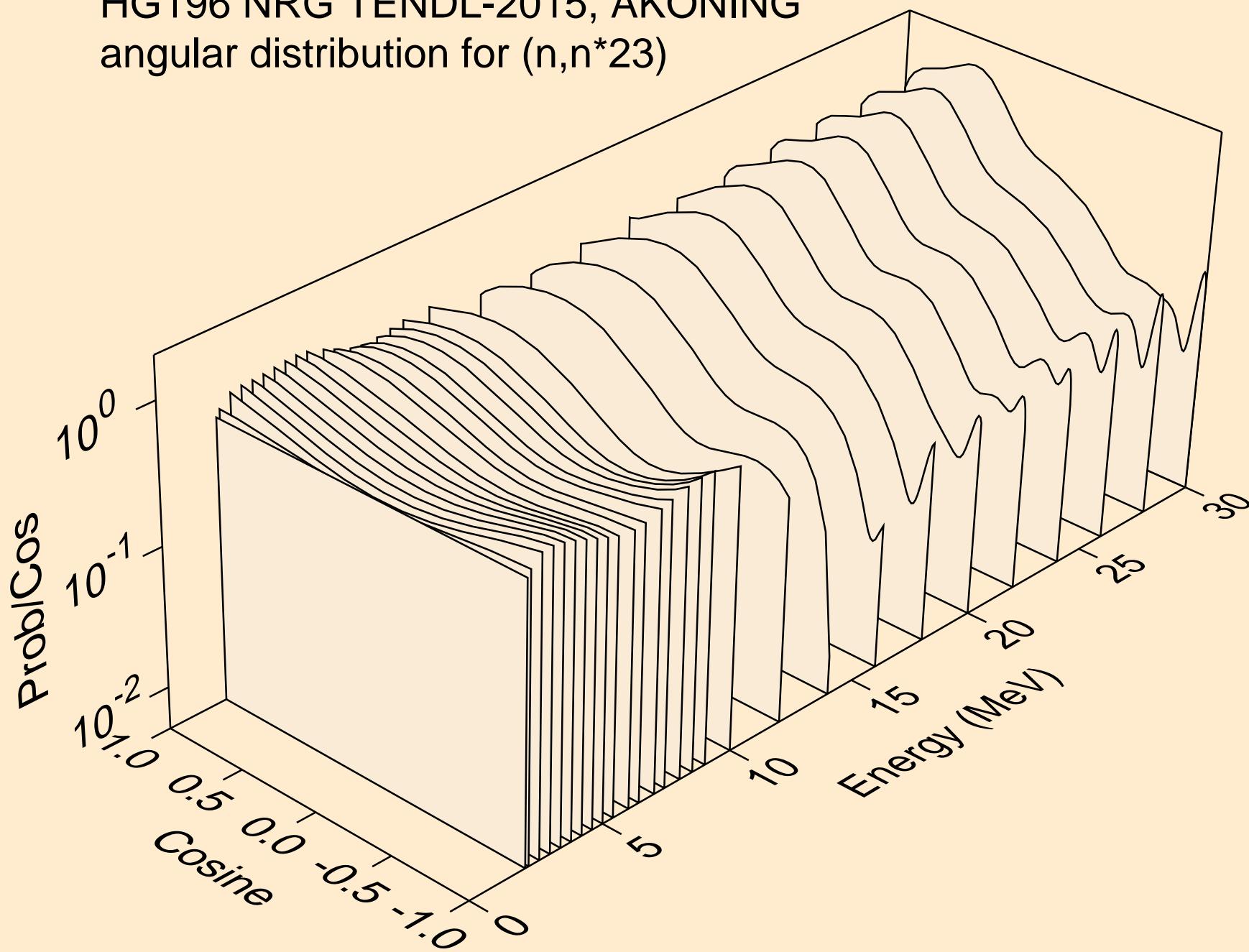
HG196 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*21$ )



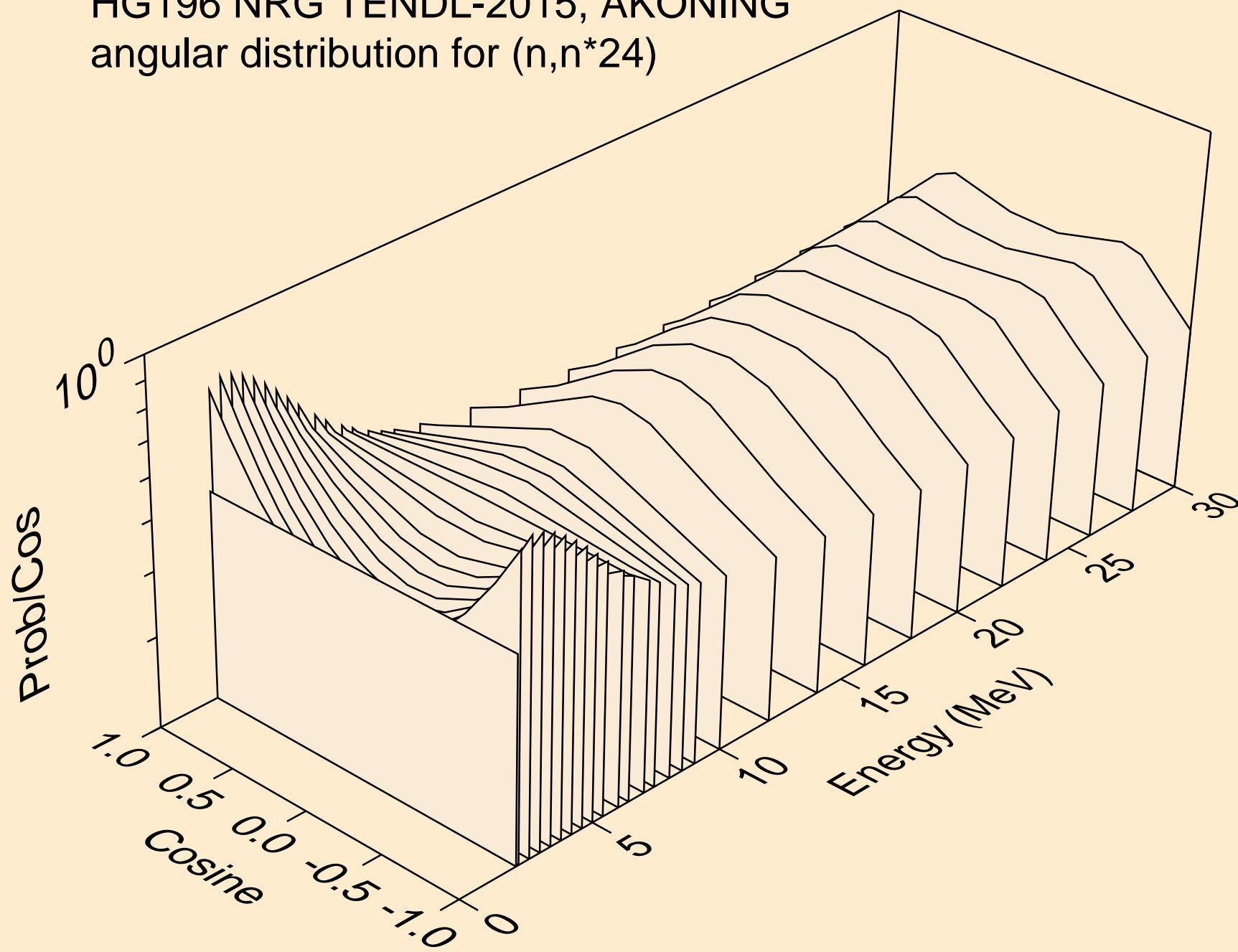
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angular distribution for (n,n\*22)



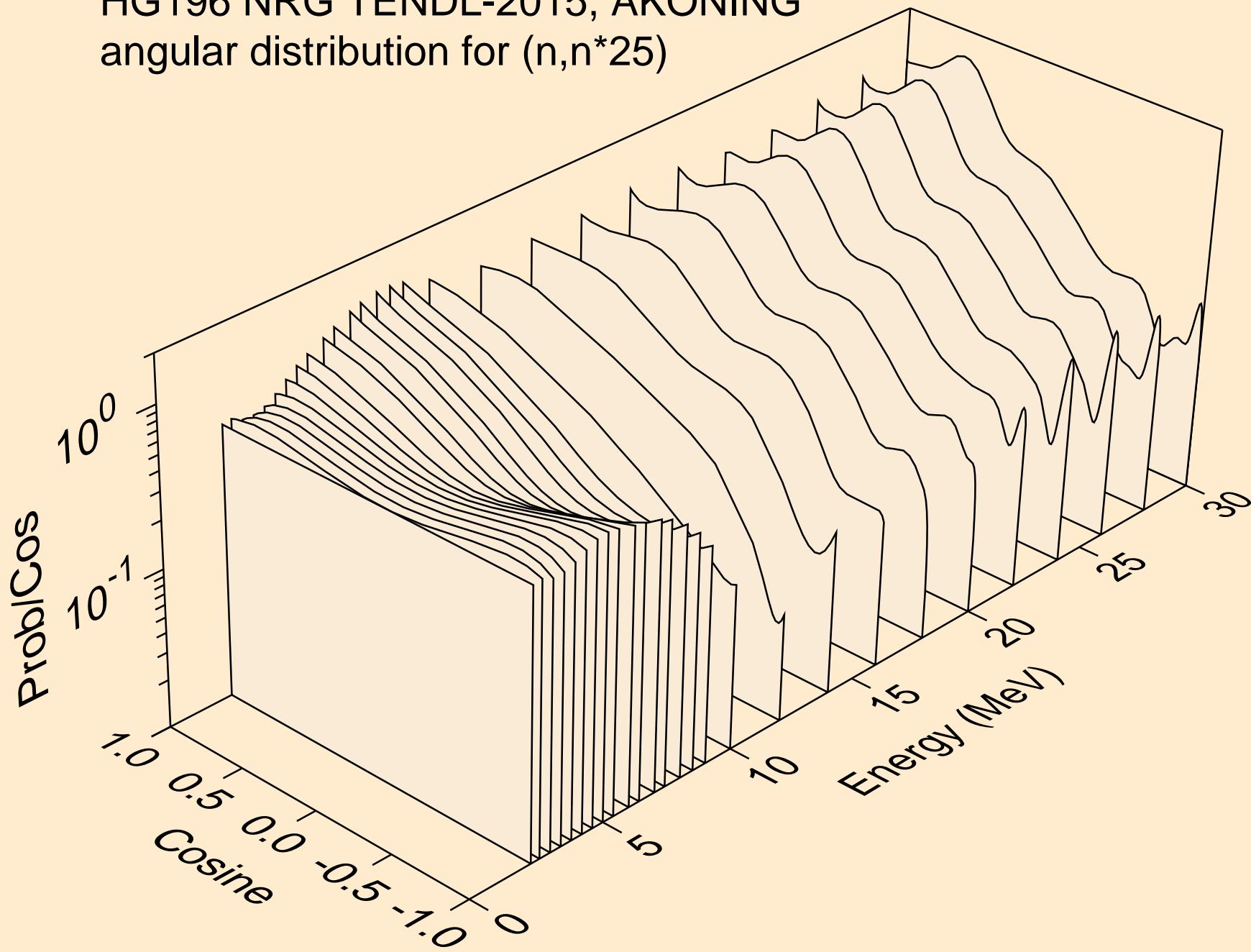
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{23}$



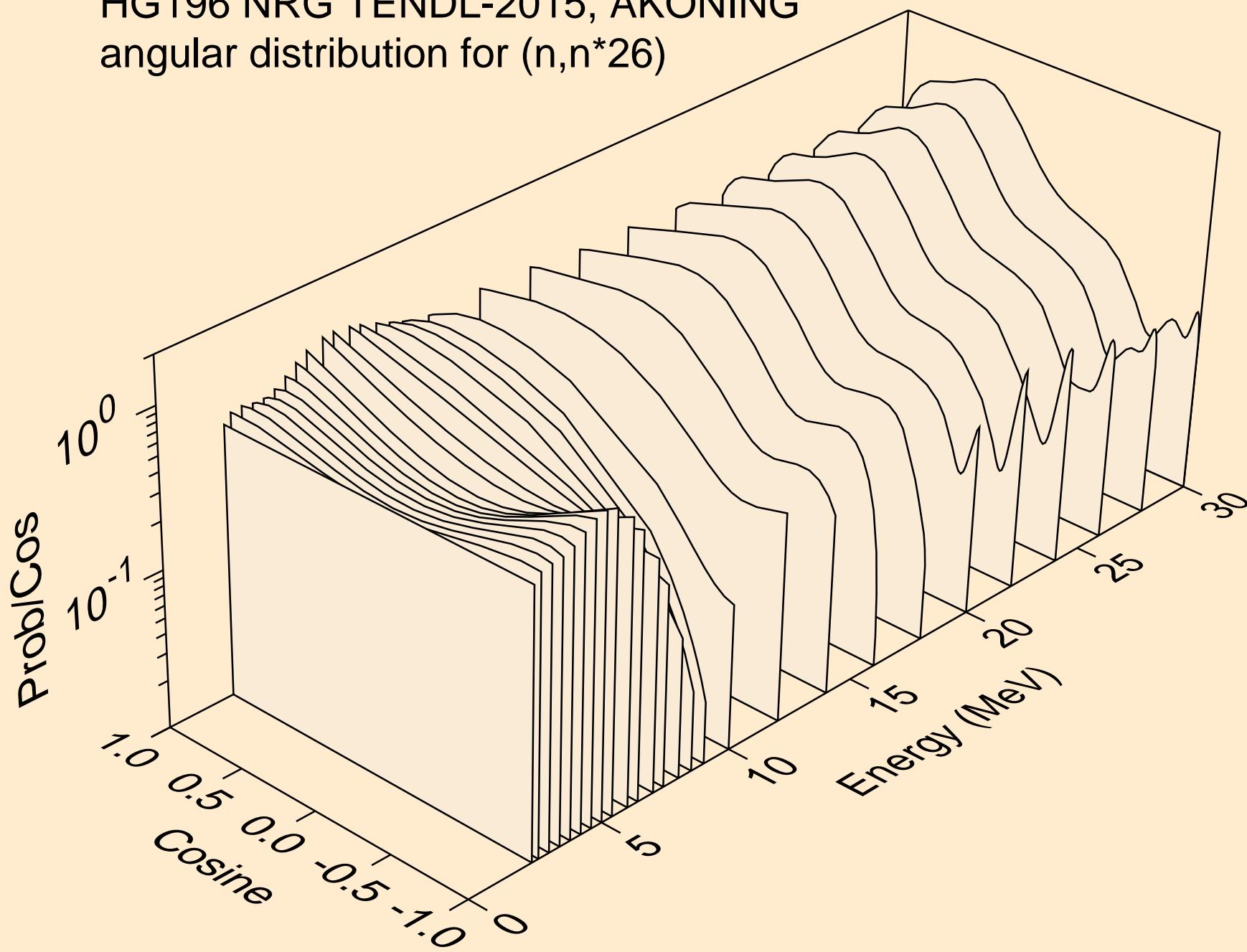
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angular distribution for (n,n\*24)



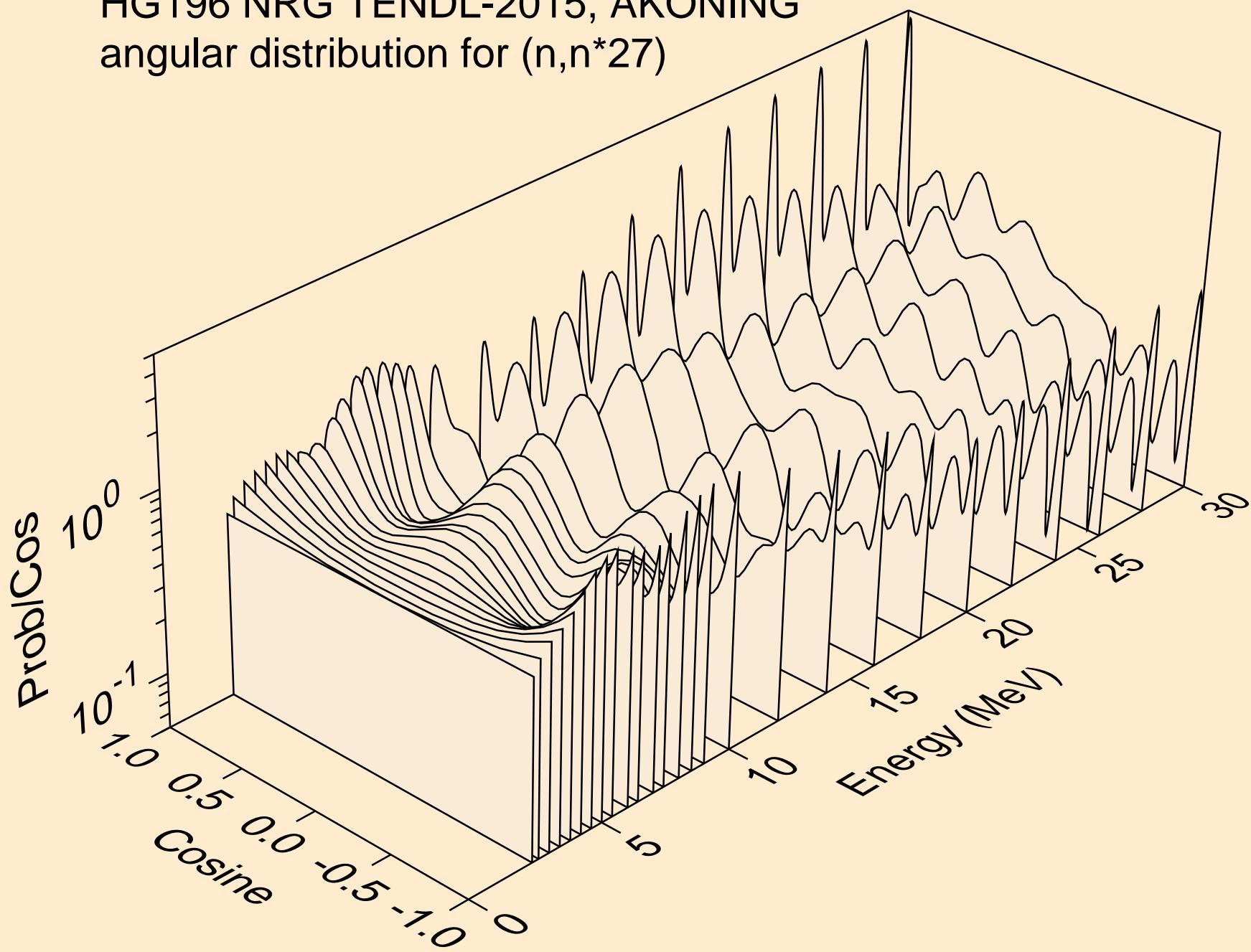
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angular distribution for (n,n\*25)



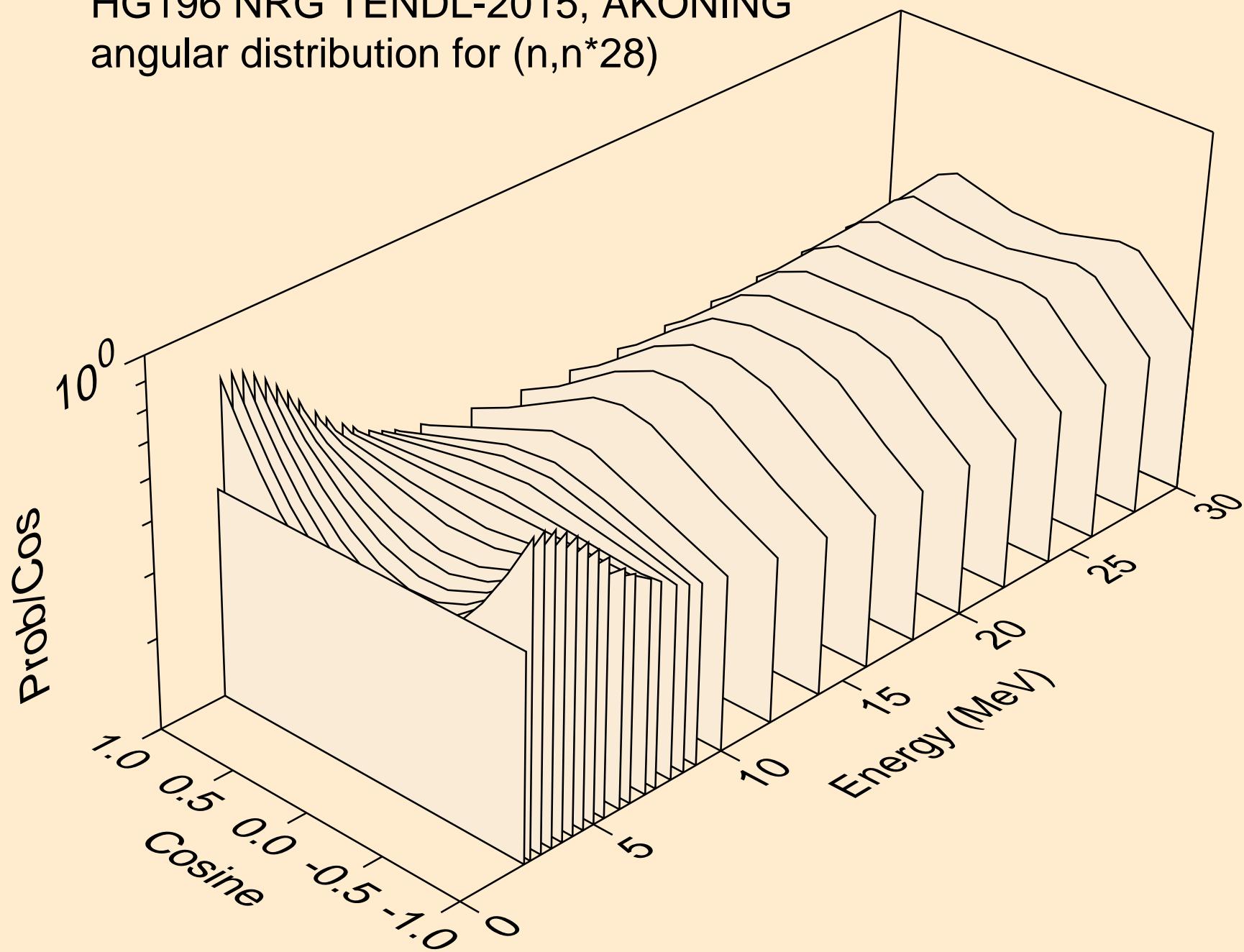
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angular distribution for (n,n\*26)



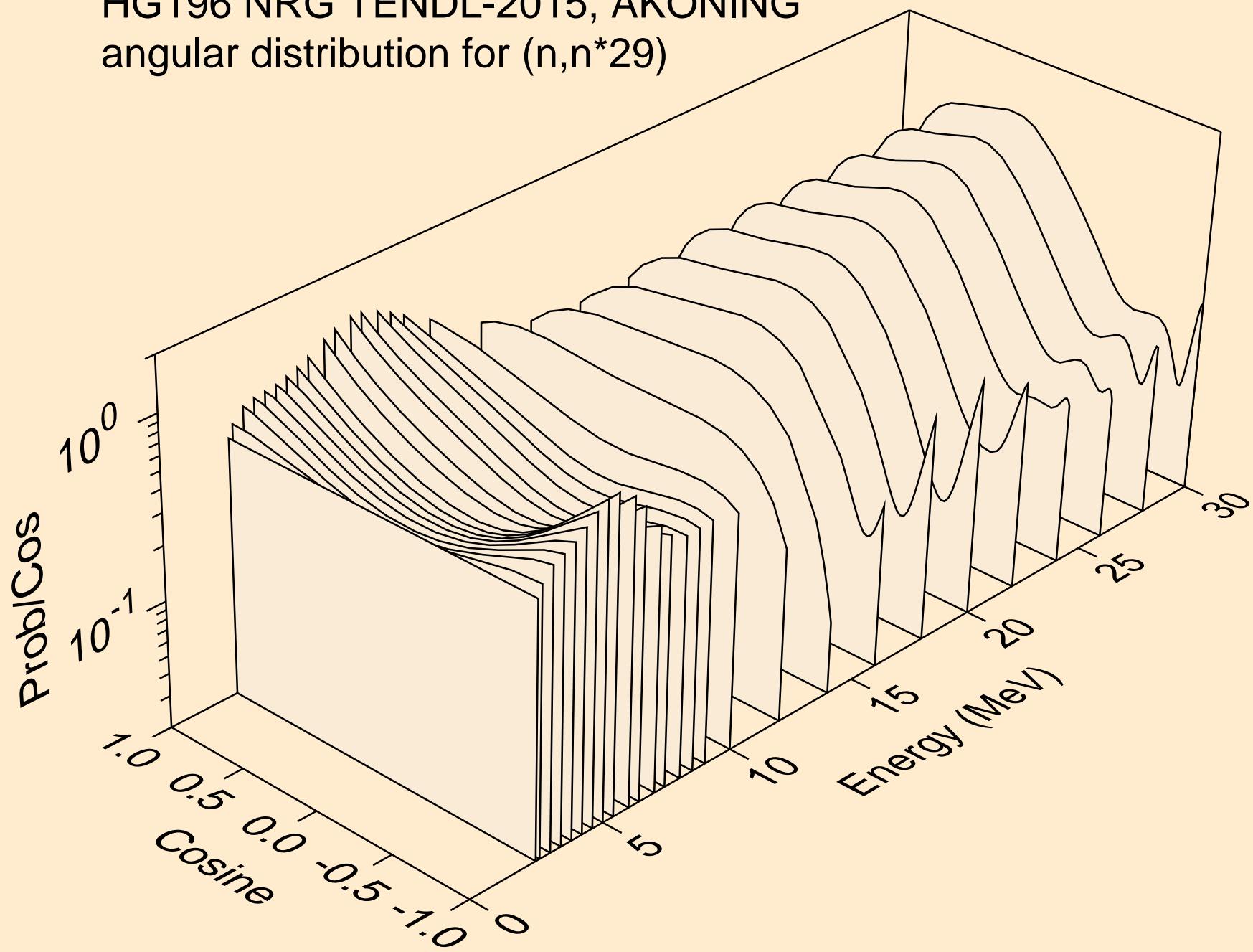
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{27}$



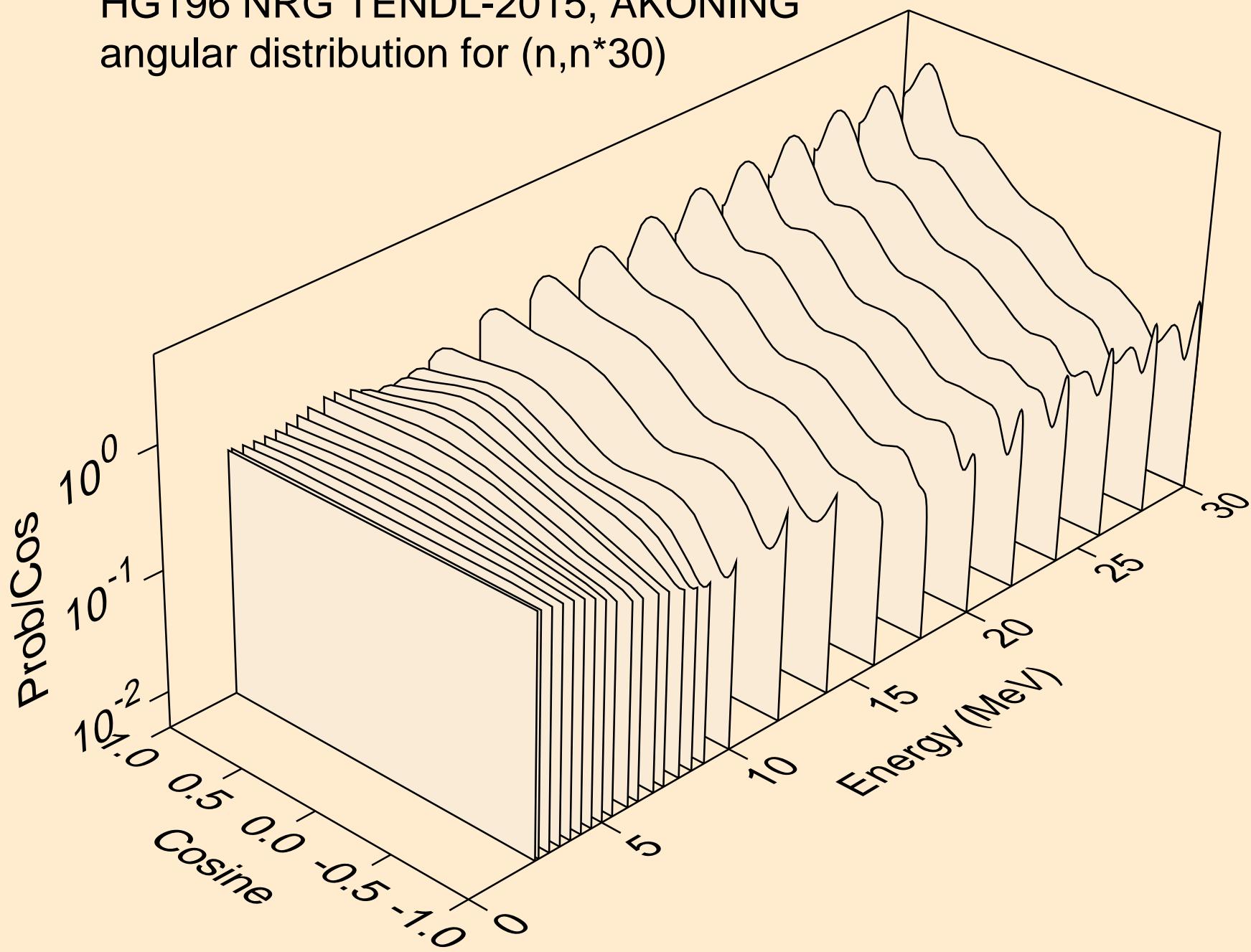
HG196 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



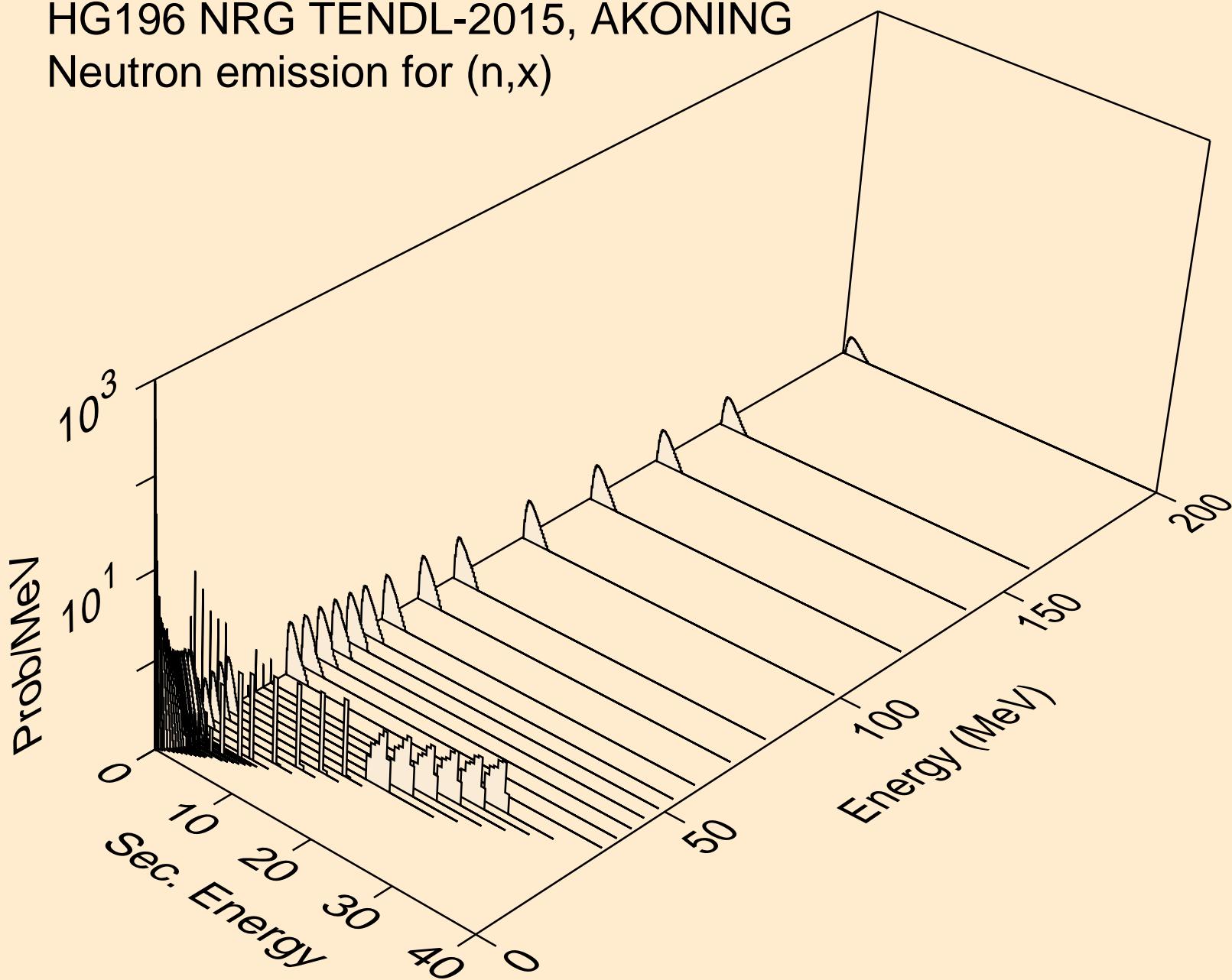
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*{}^{29})$



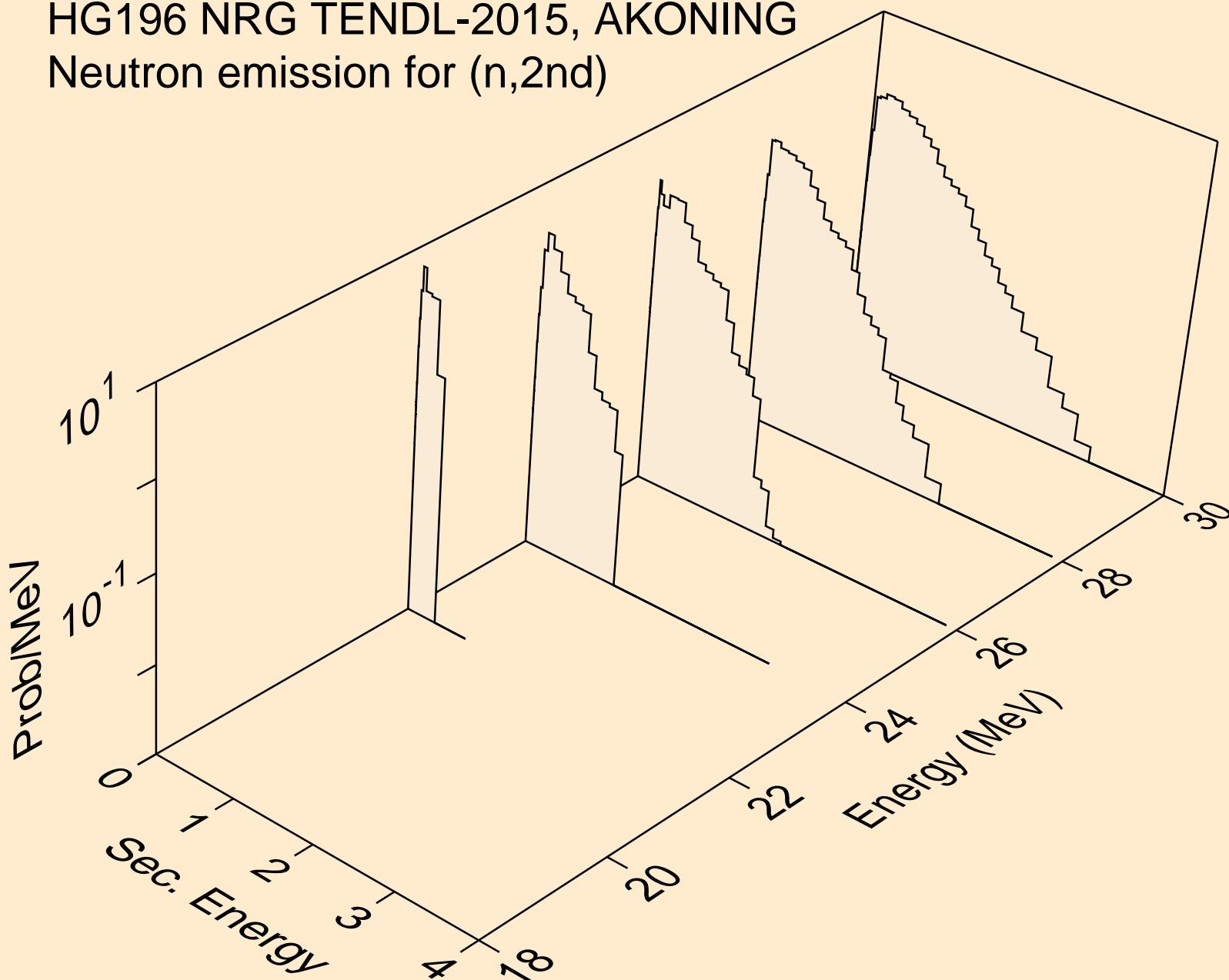
HG196 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)30$



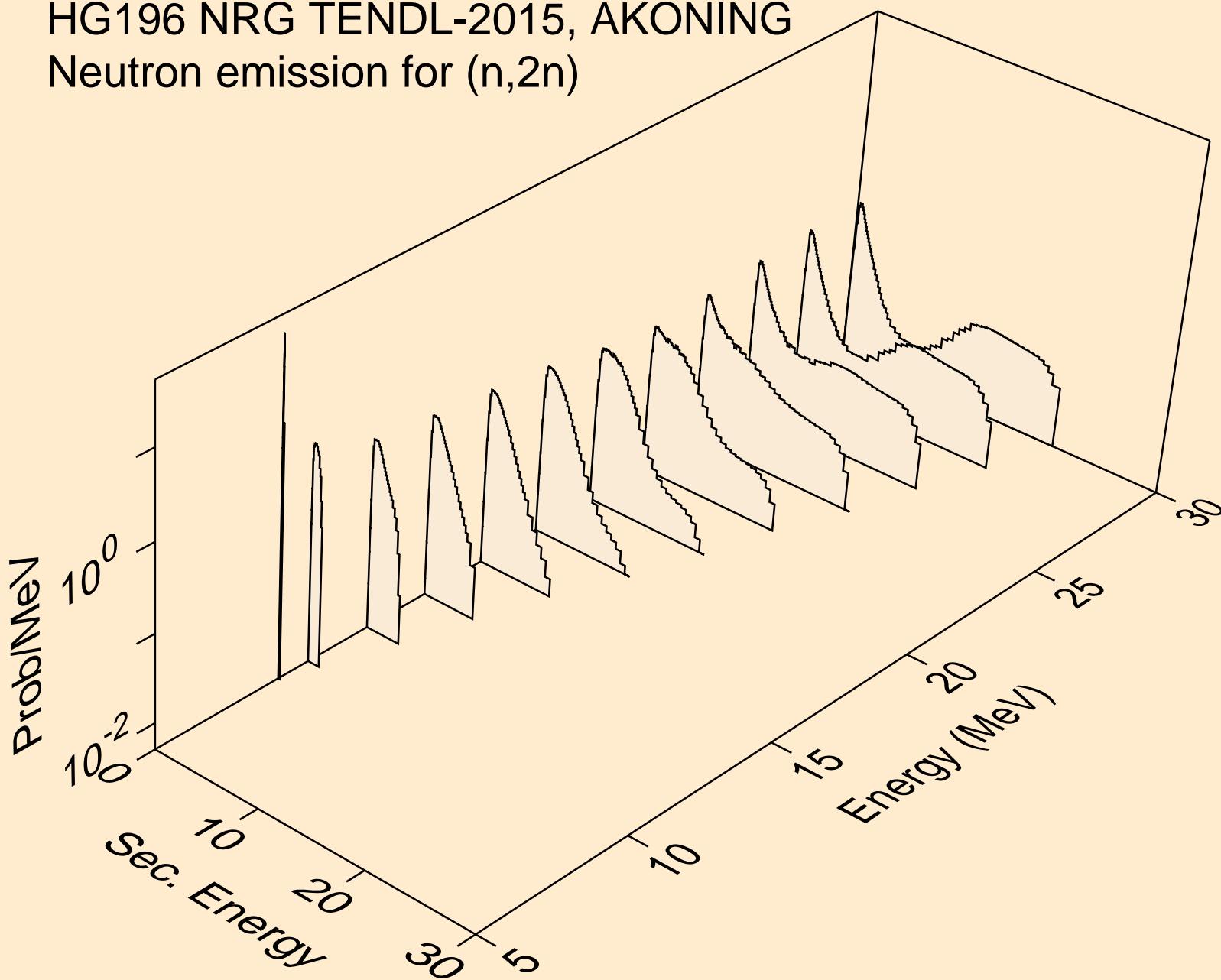
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



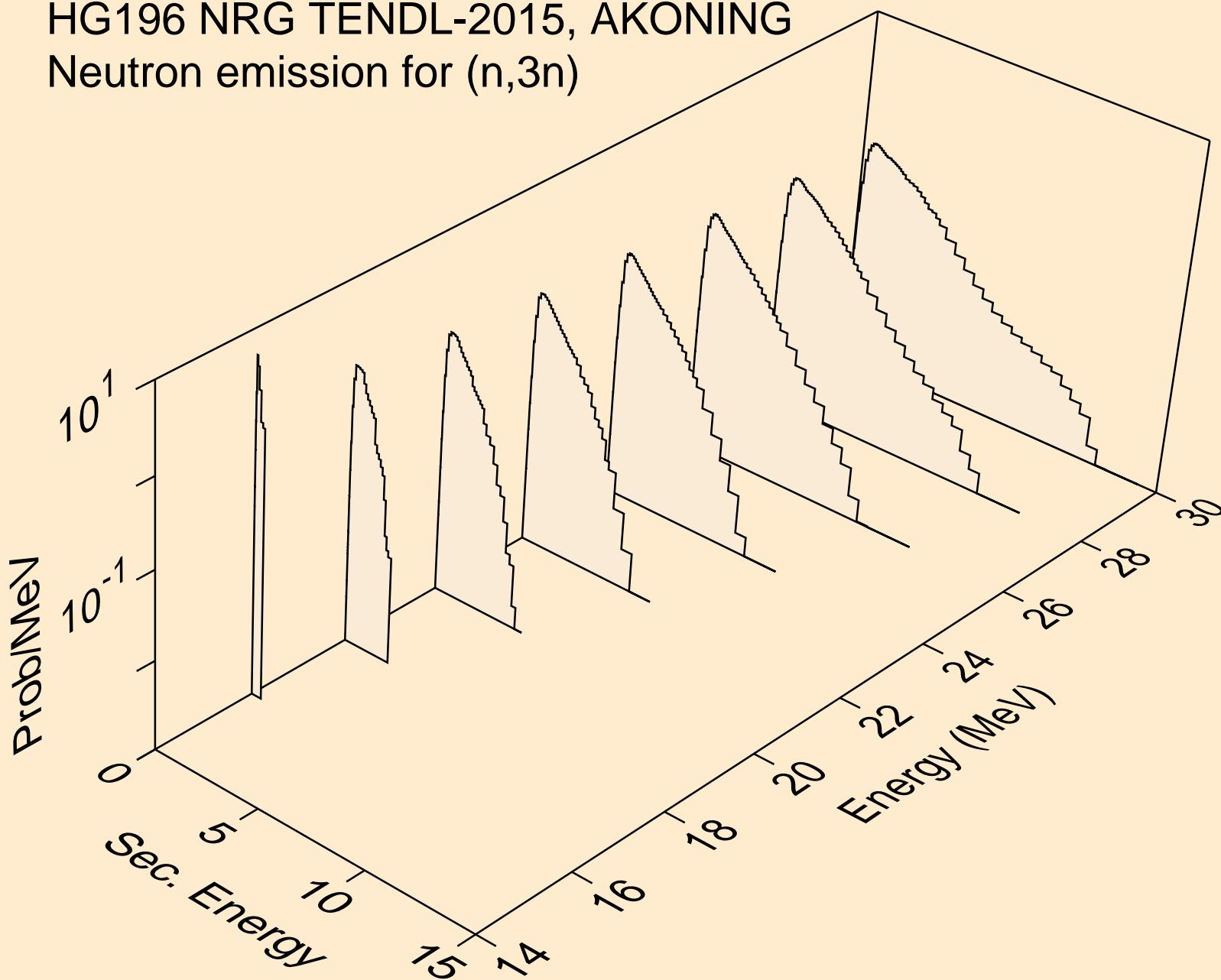
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



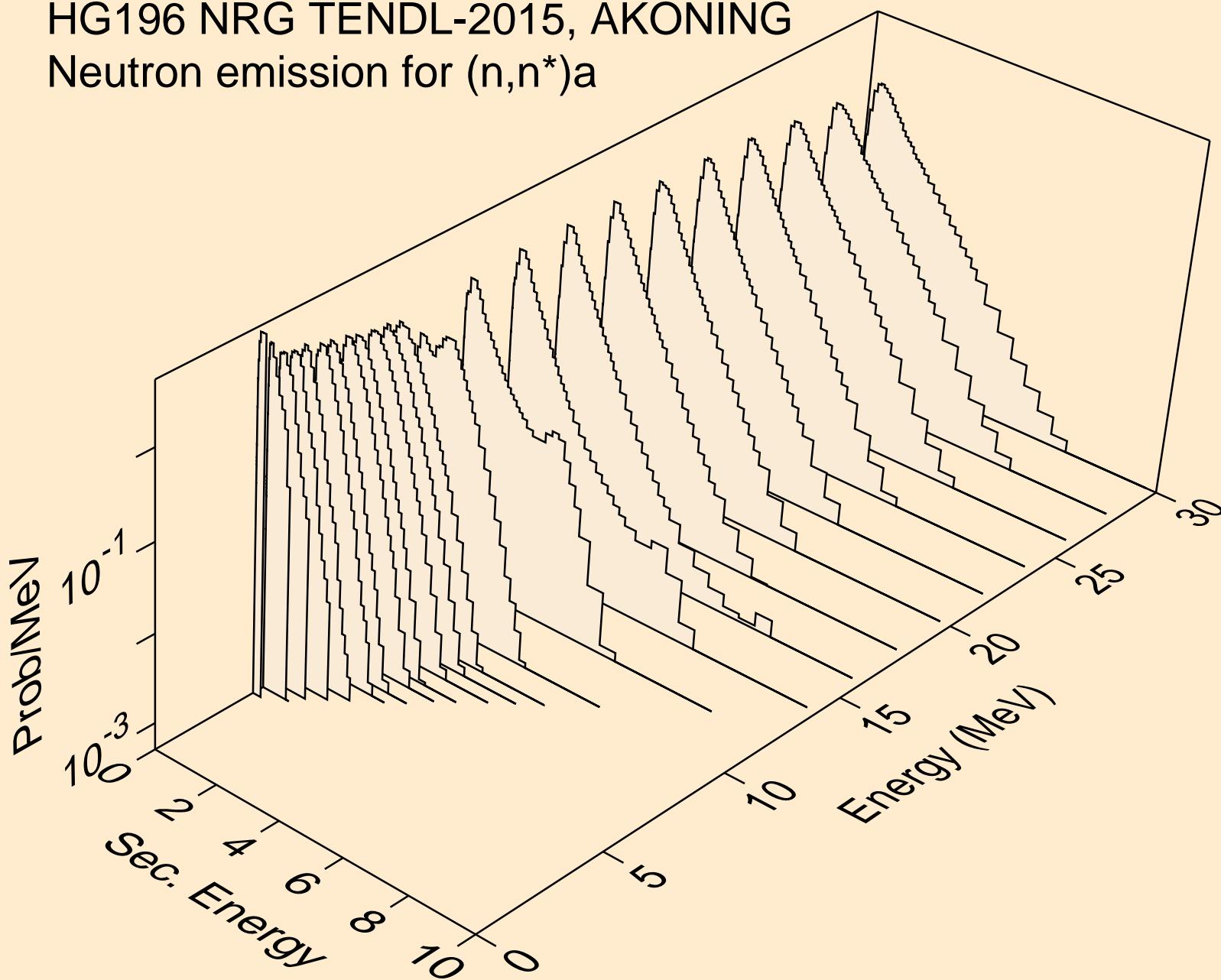
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



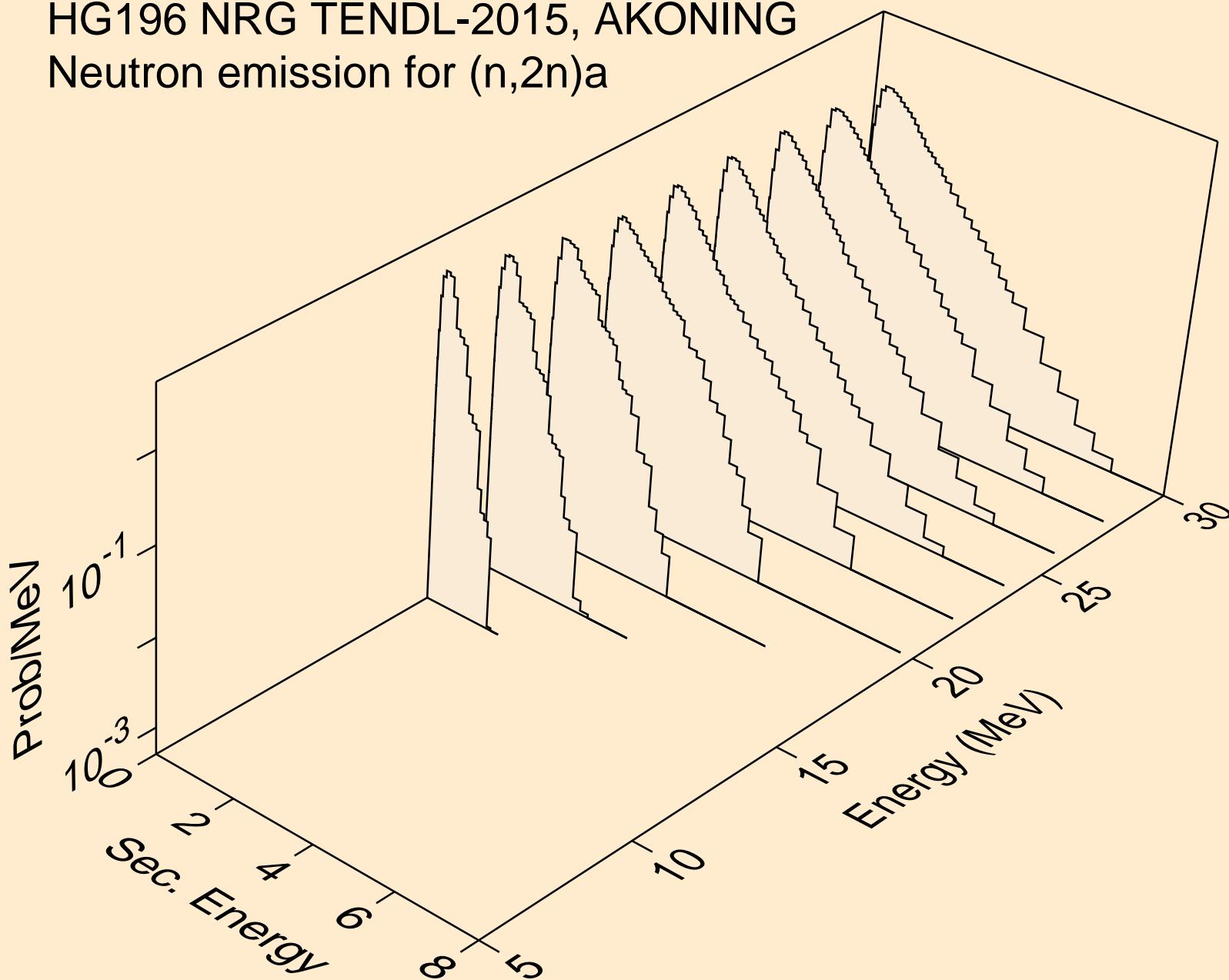
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



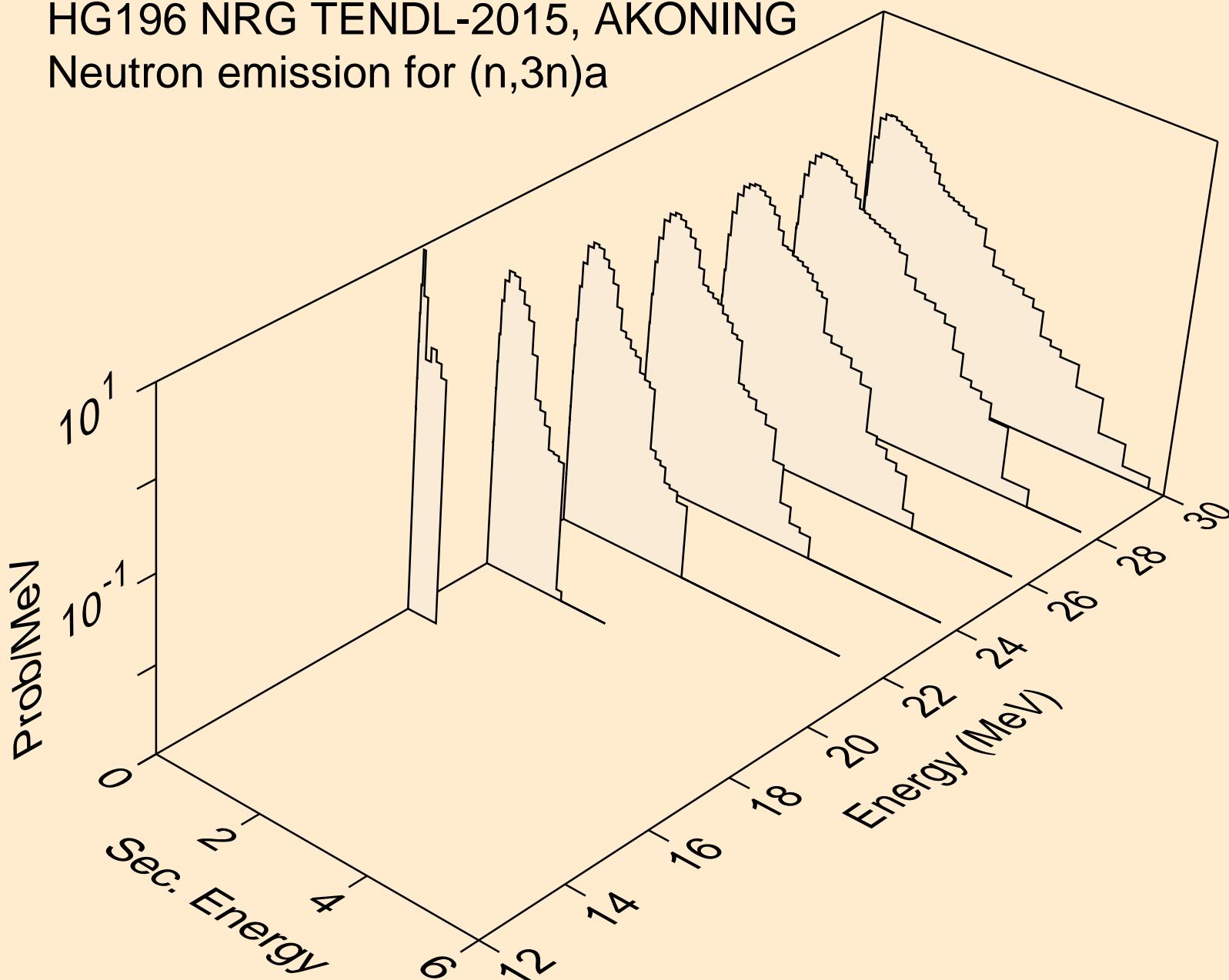
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



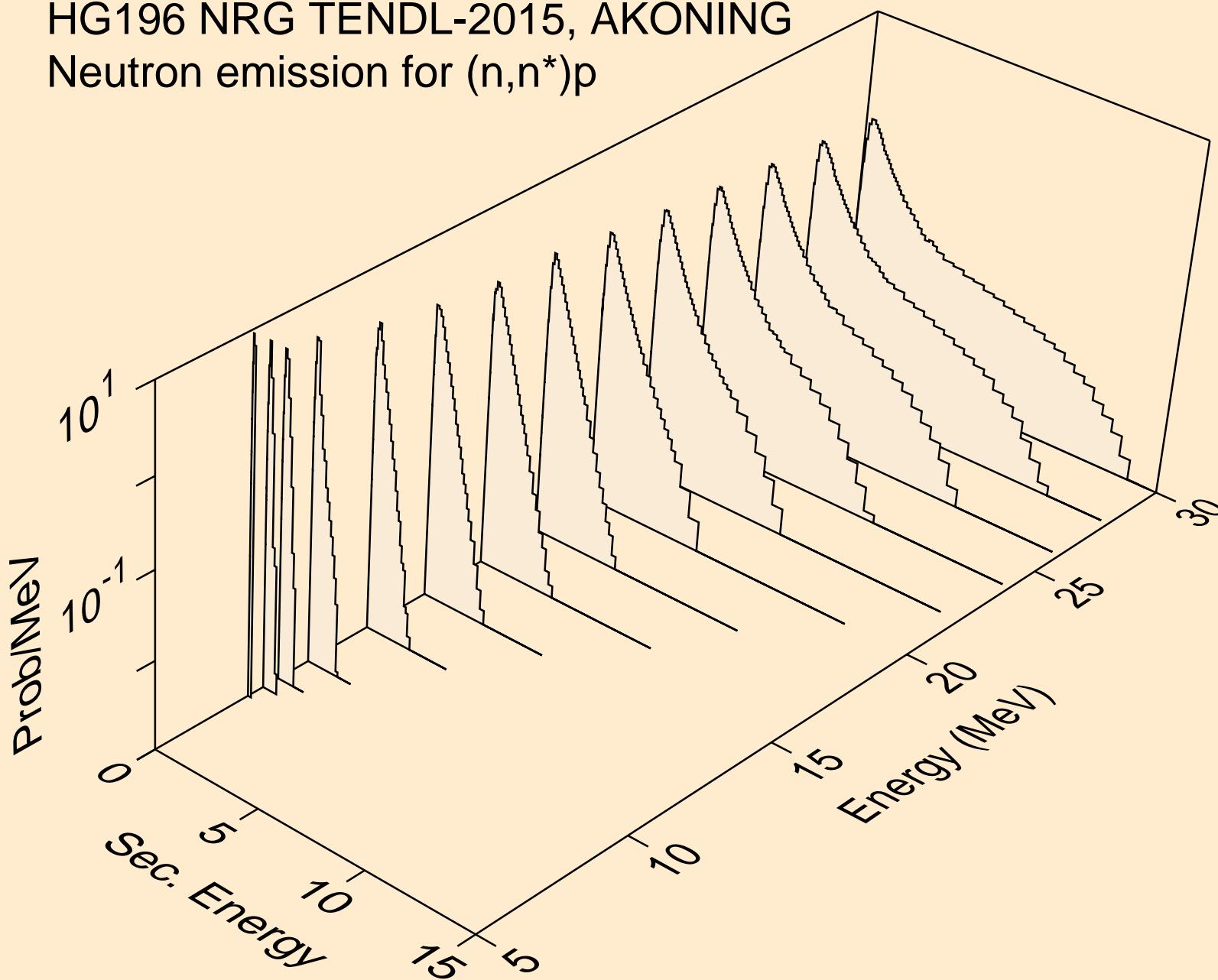
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



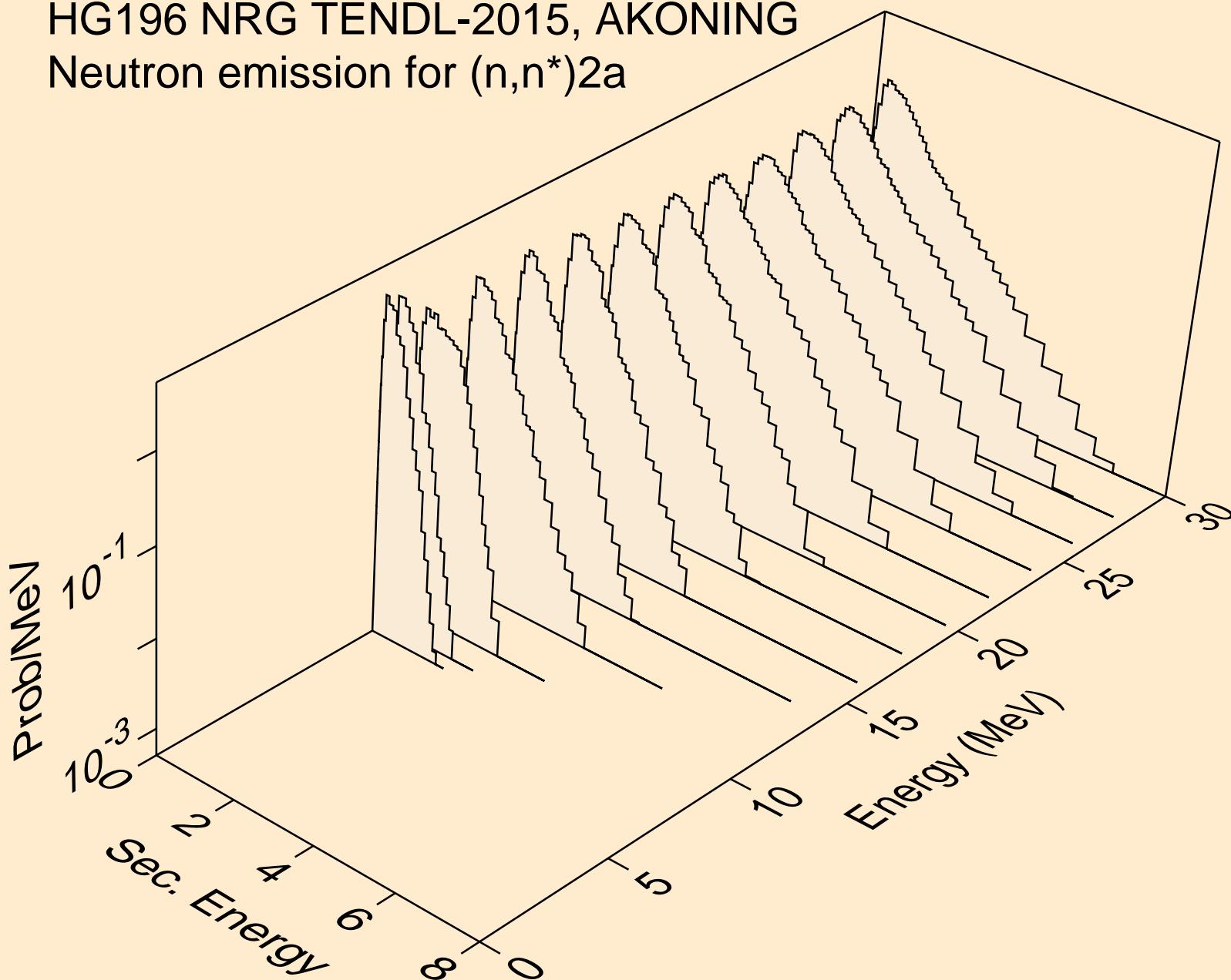
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



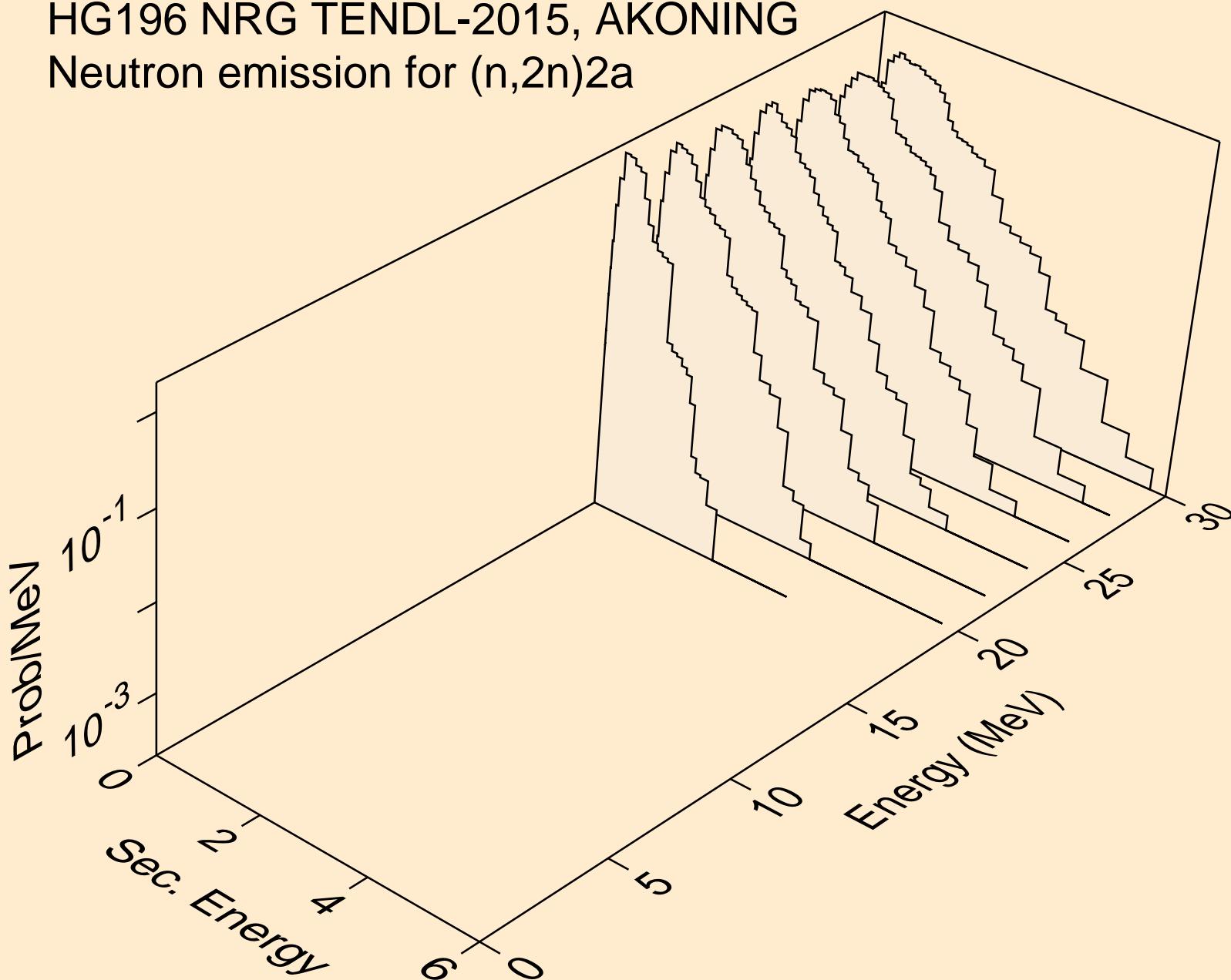
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



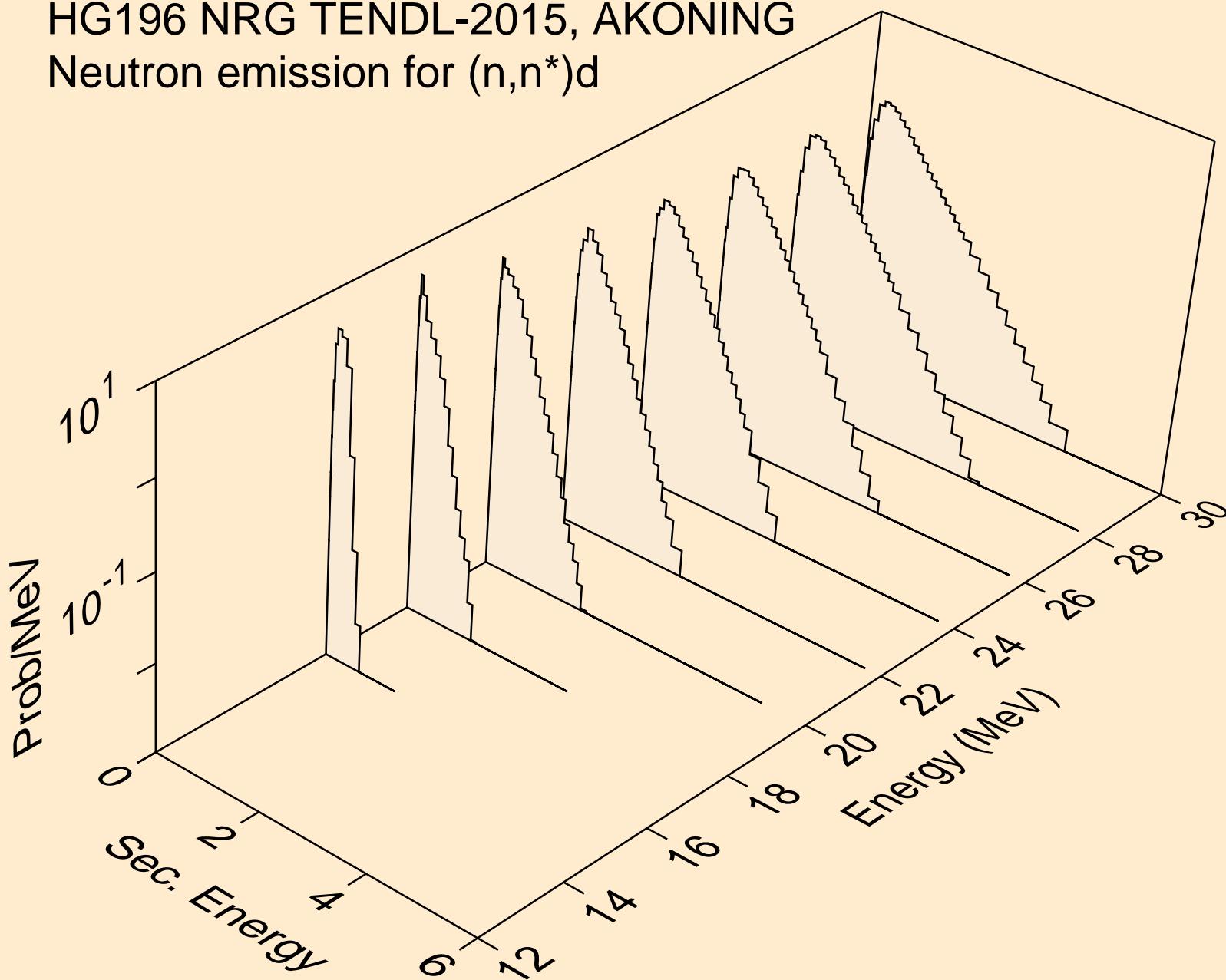
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



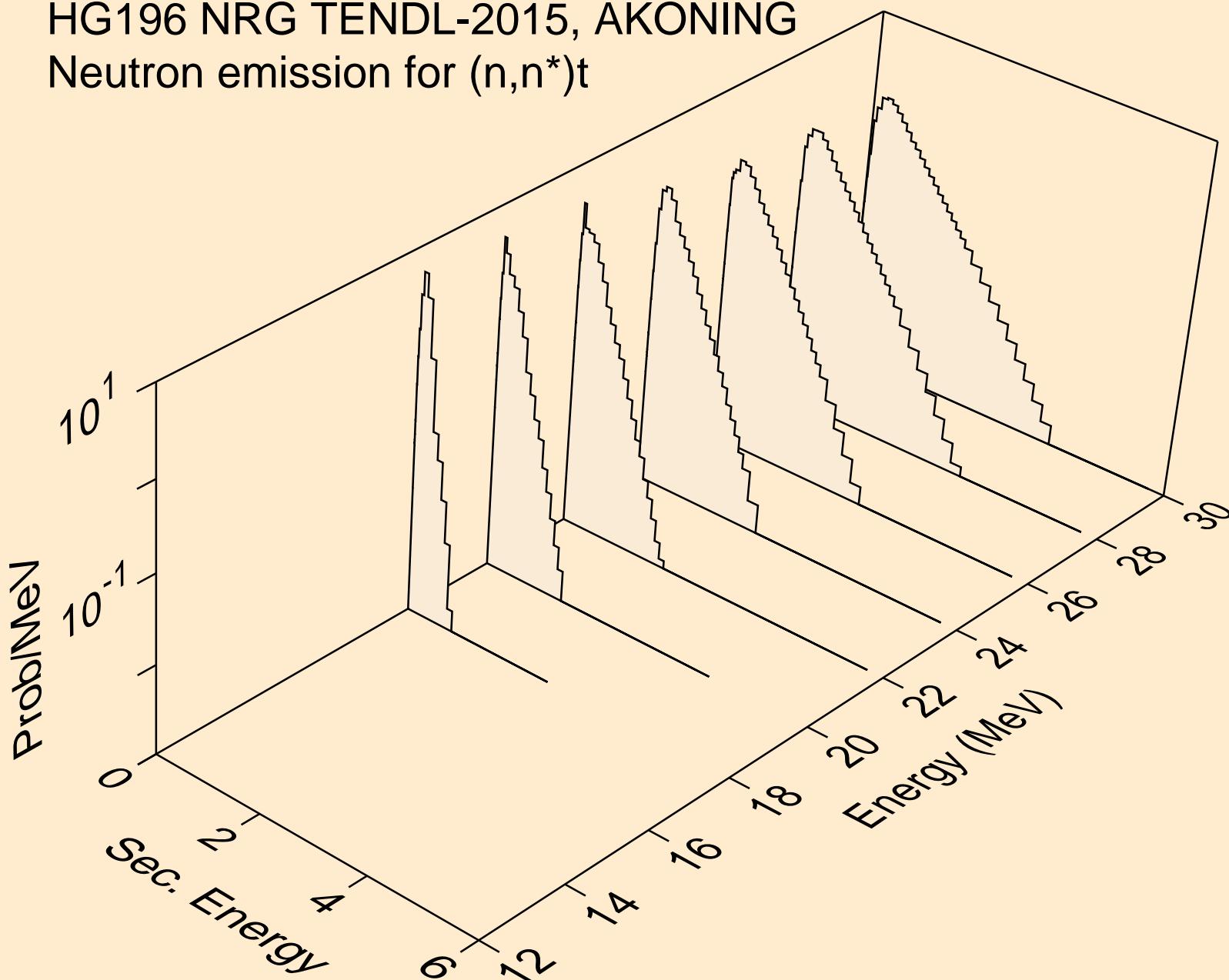
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



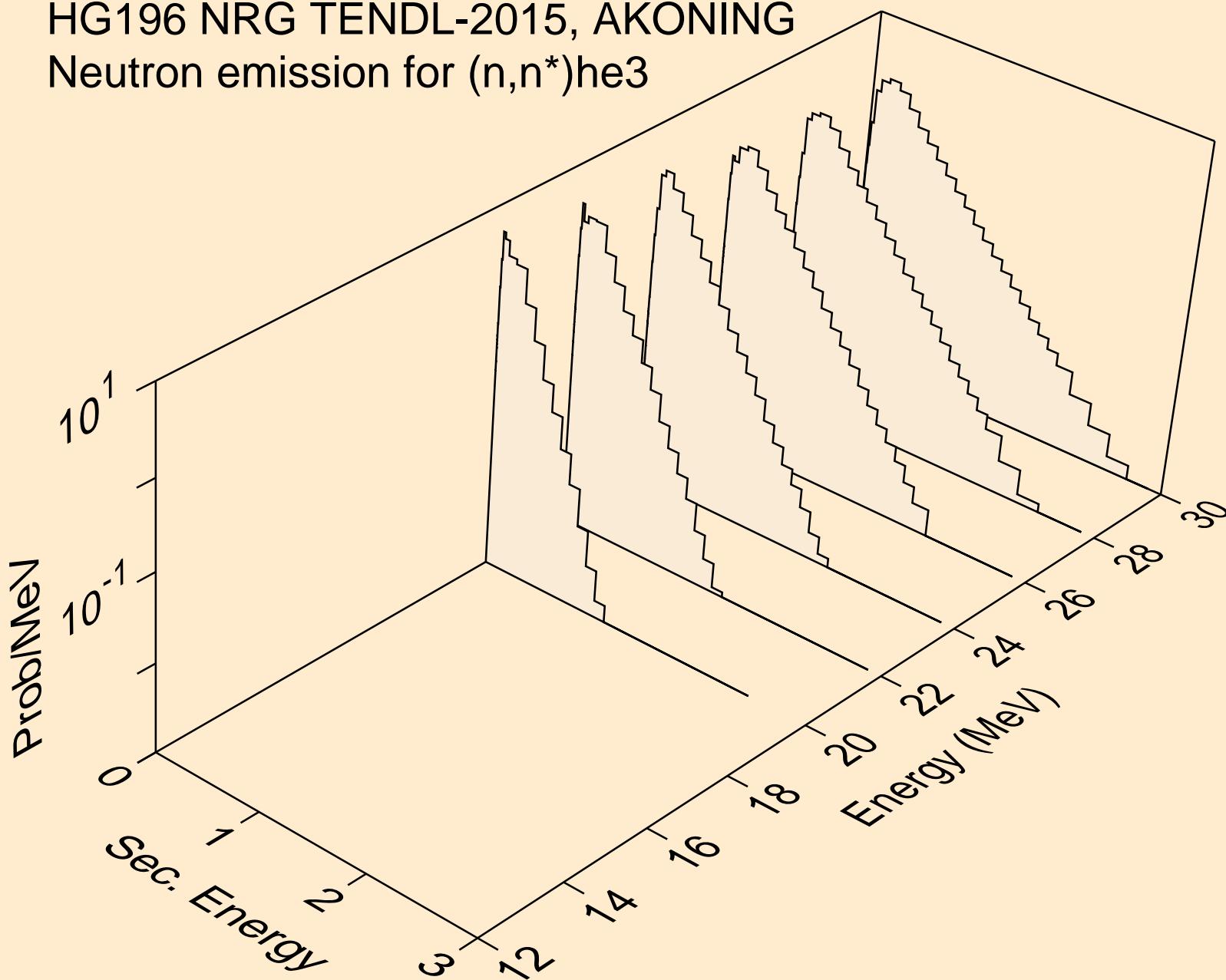
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



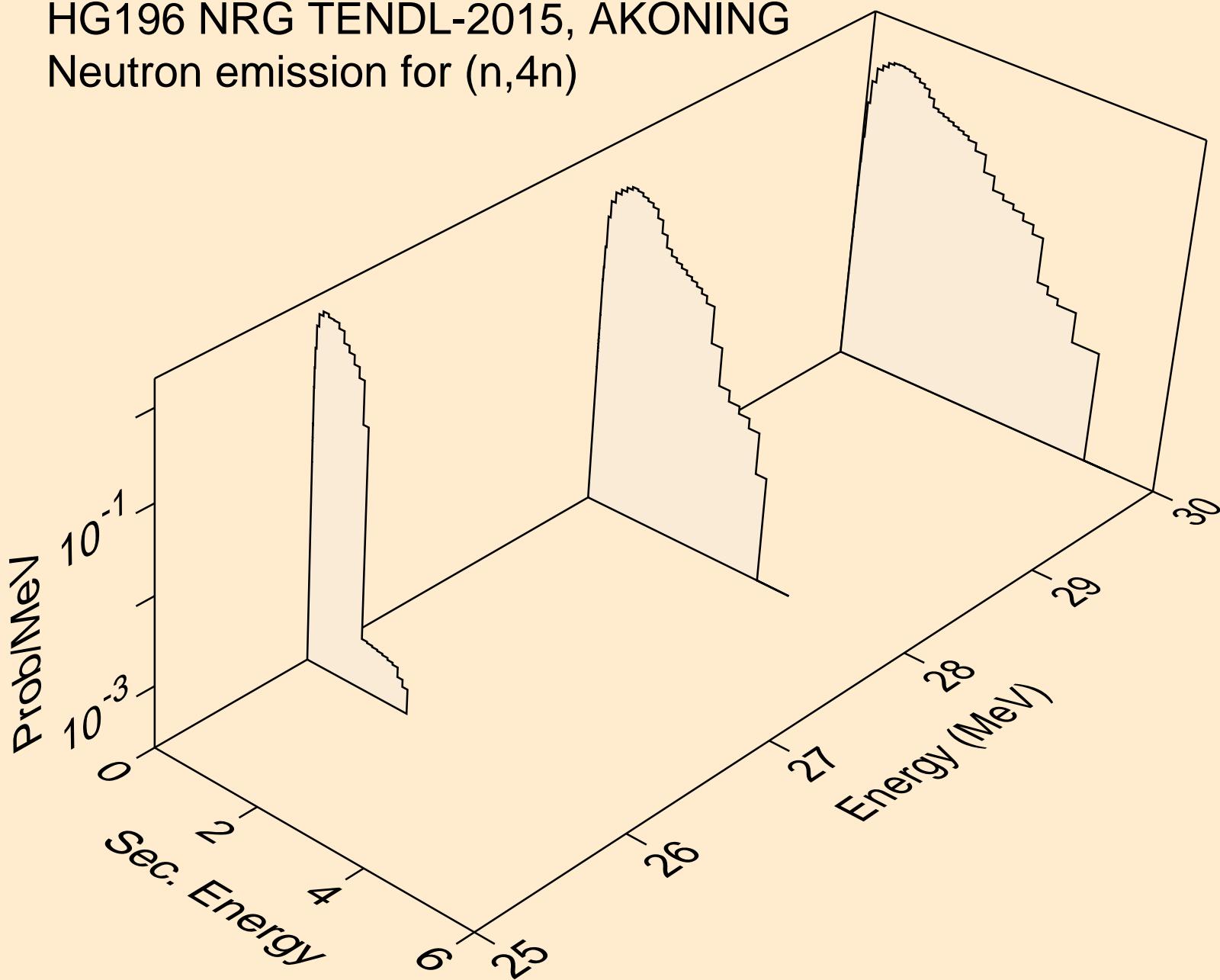
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



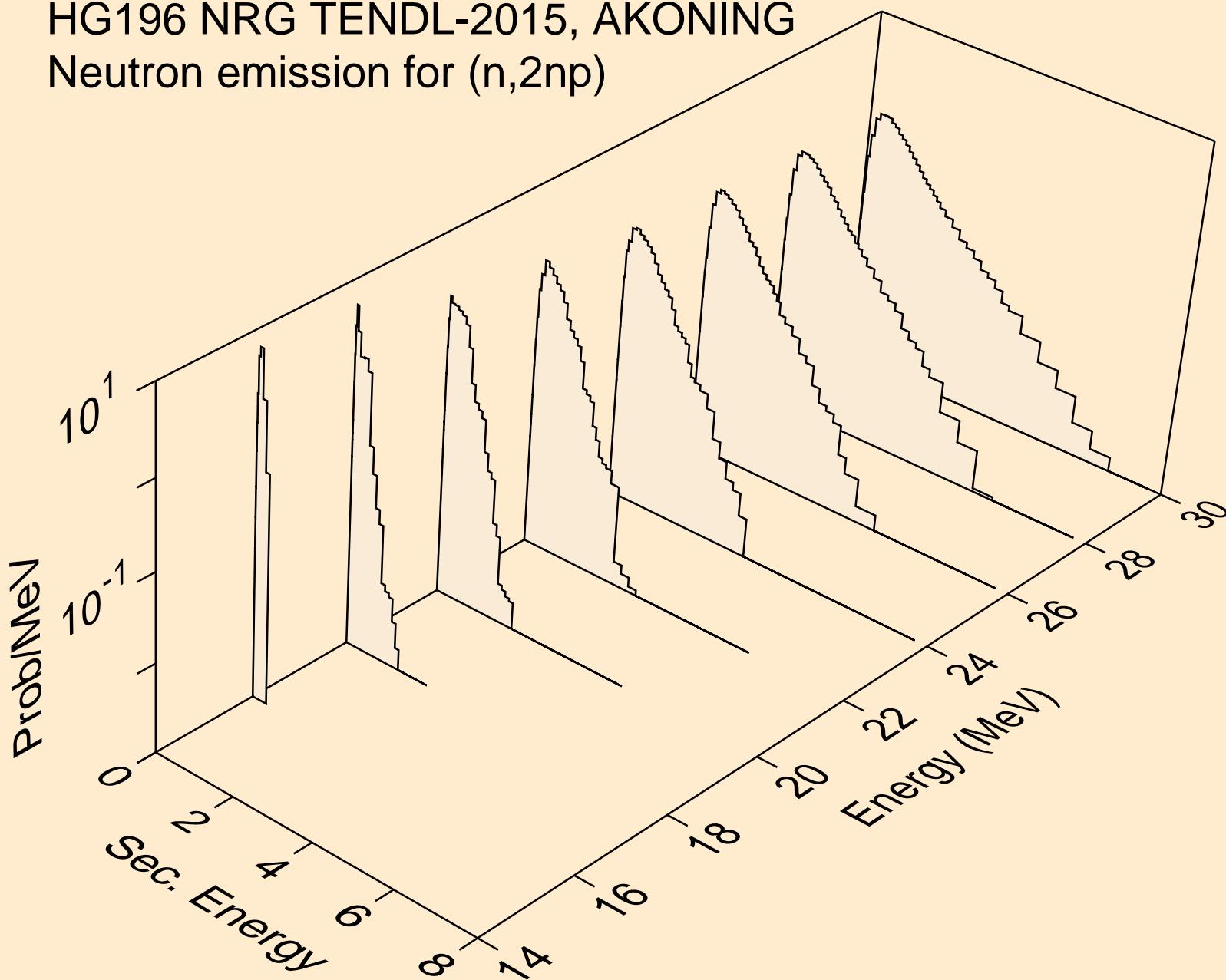
HG196 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



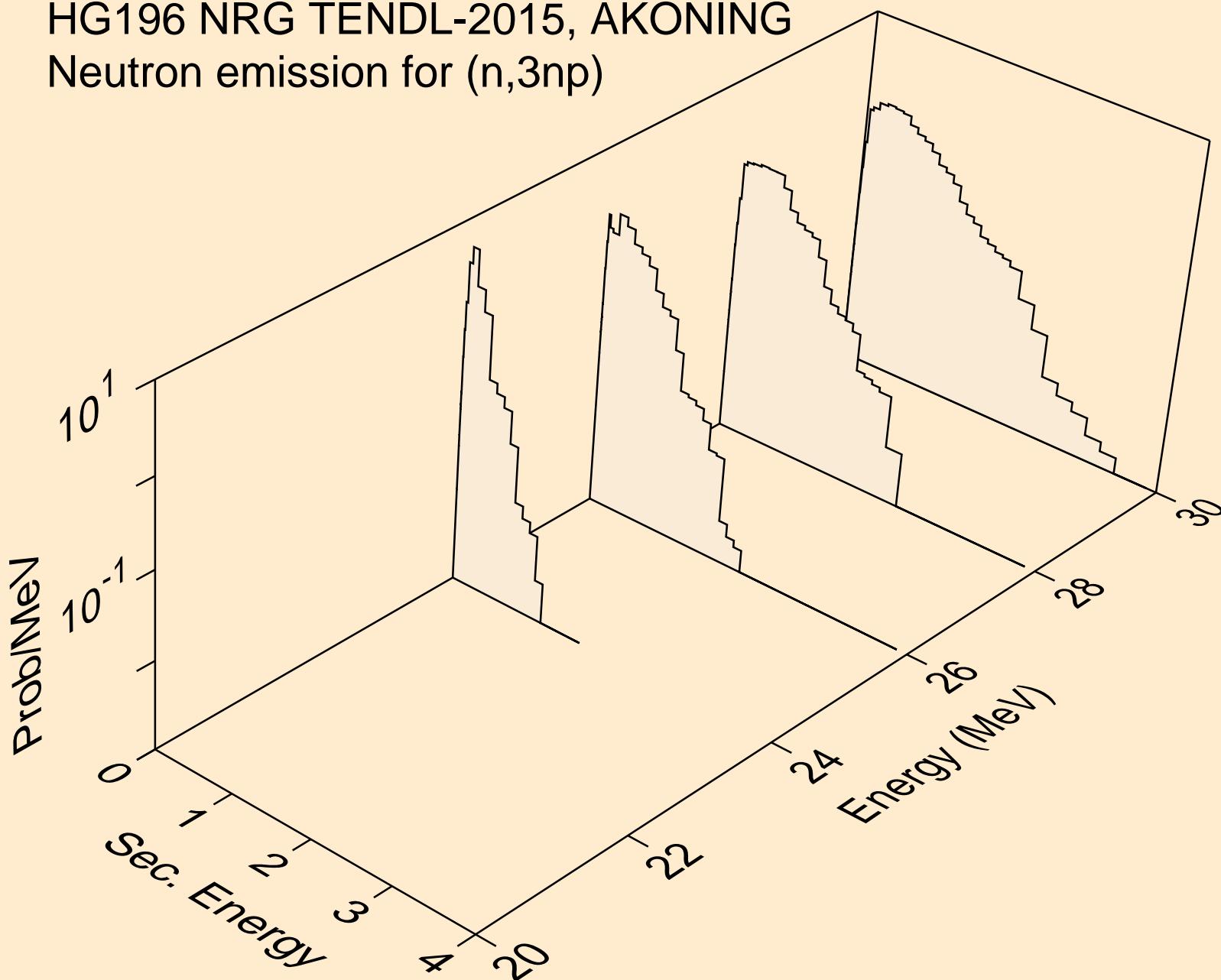
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



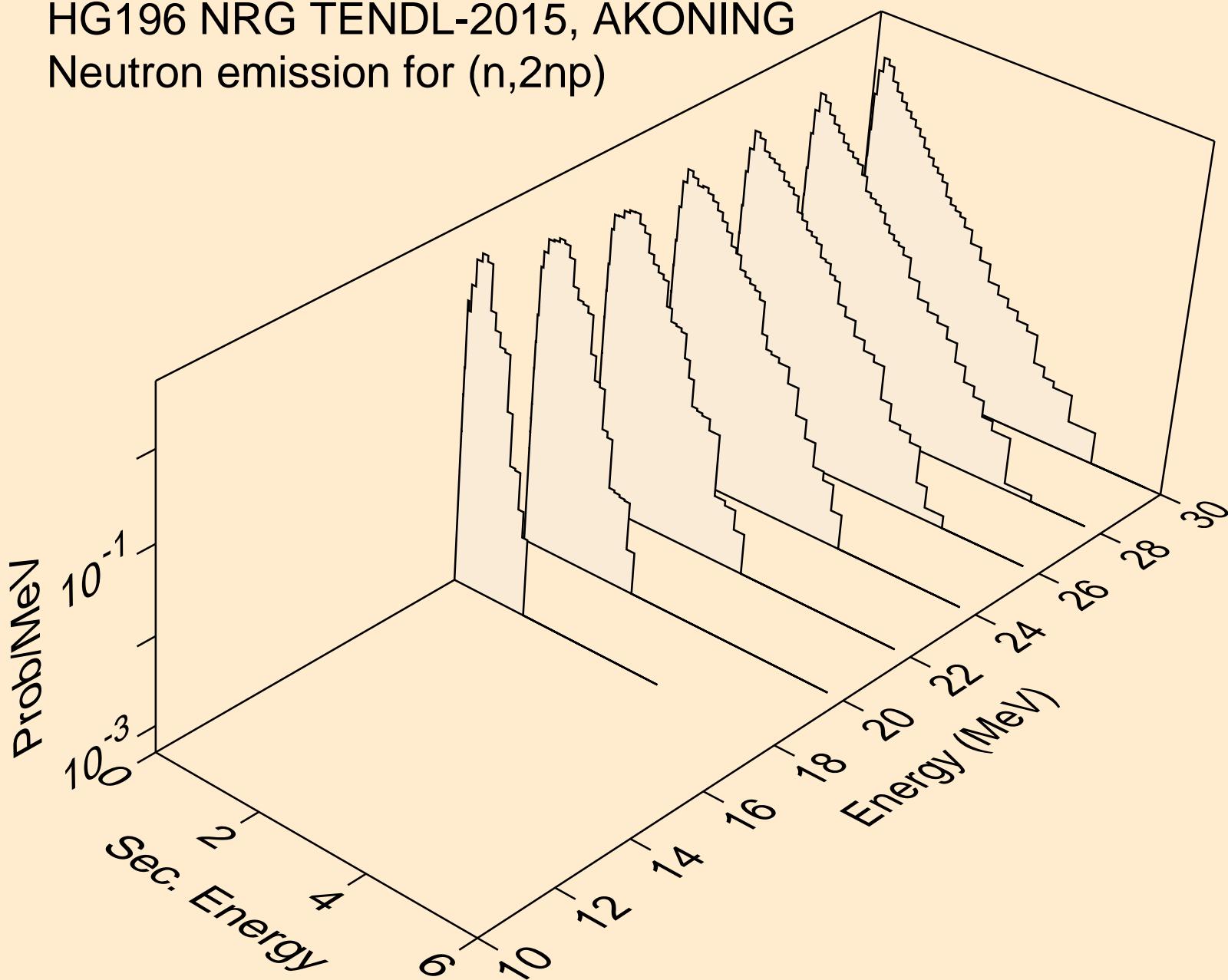
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



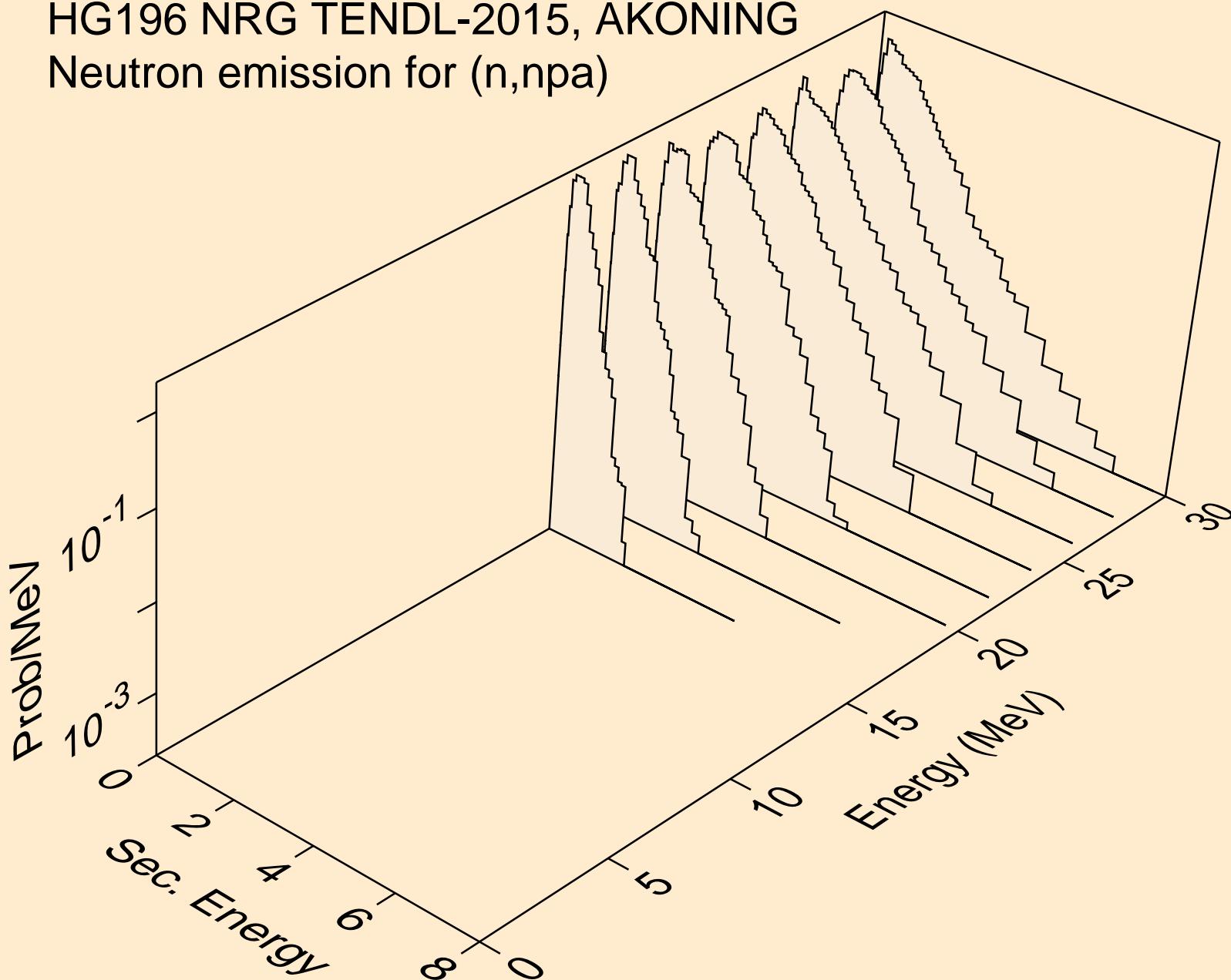
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



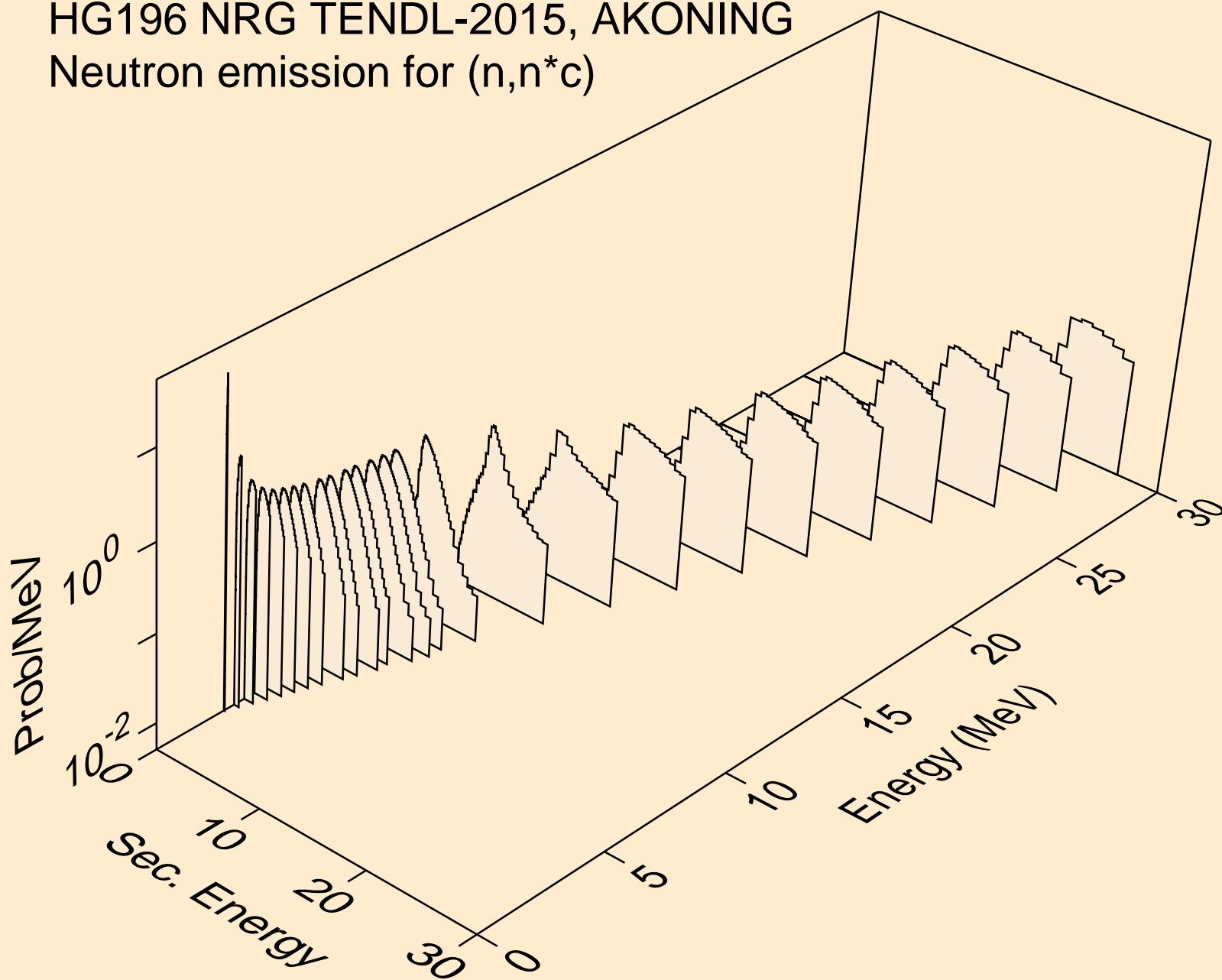
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



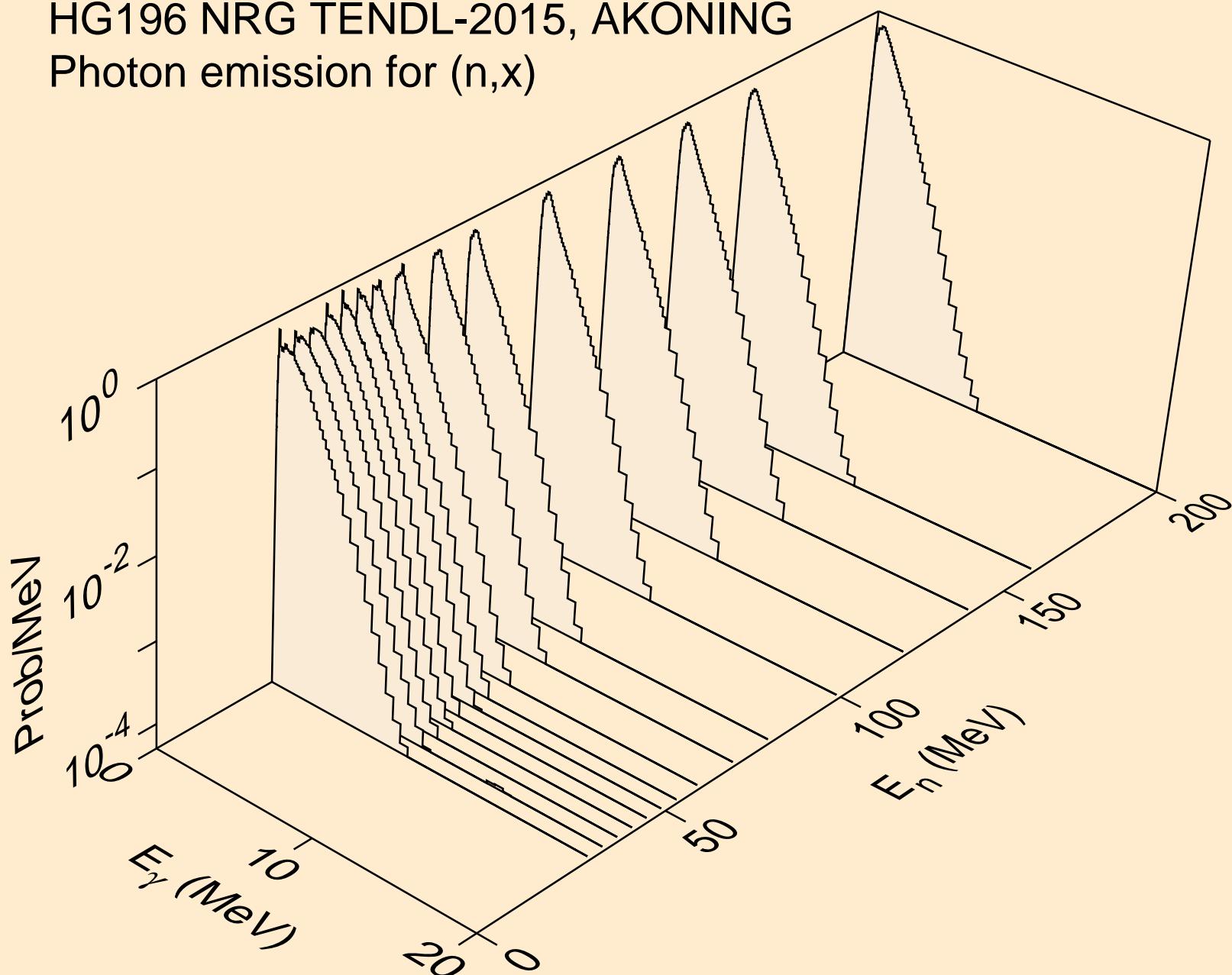
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



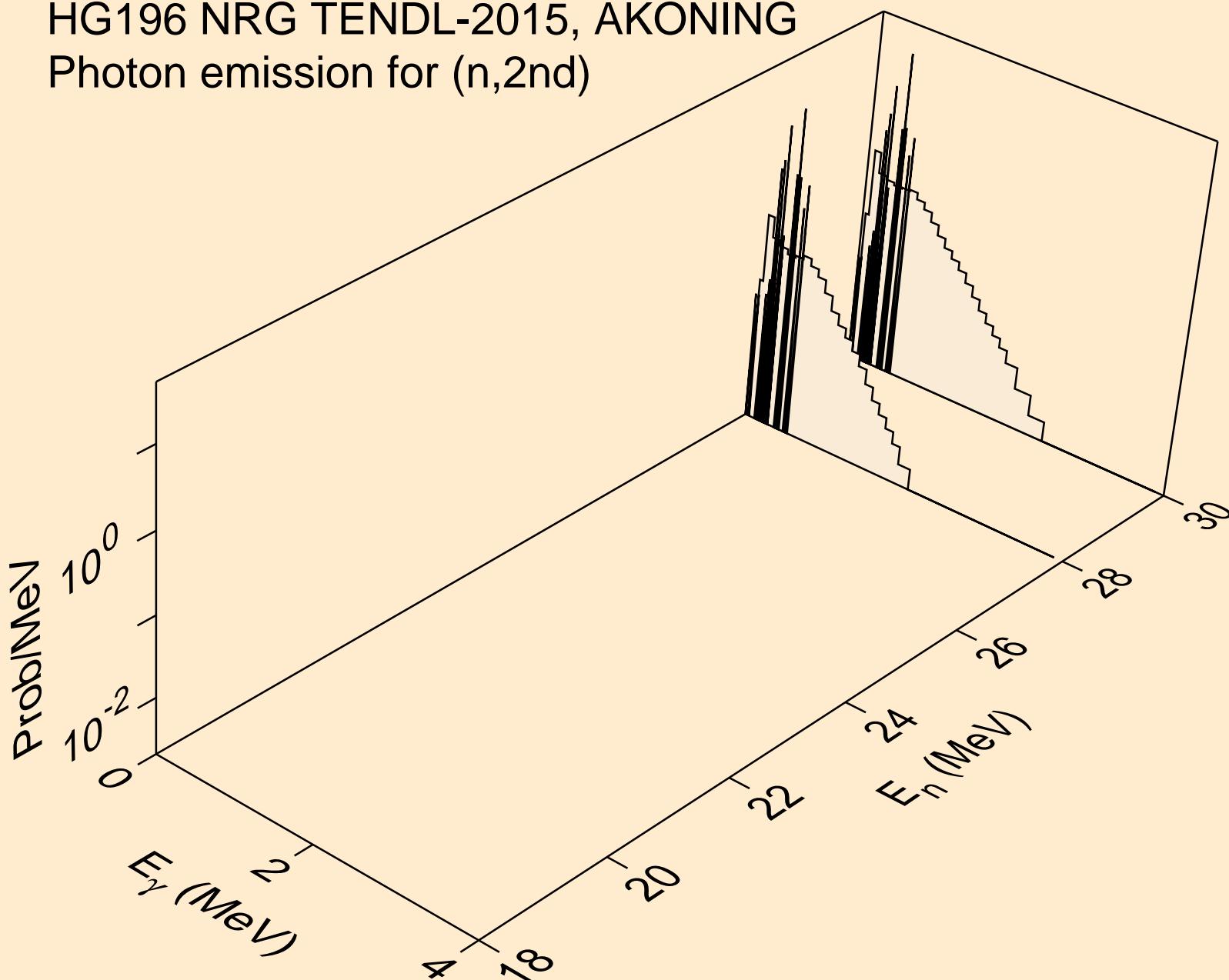
HG196 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



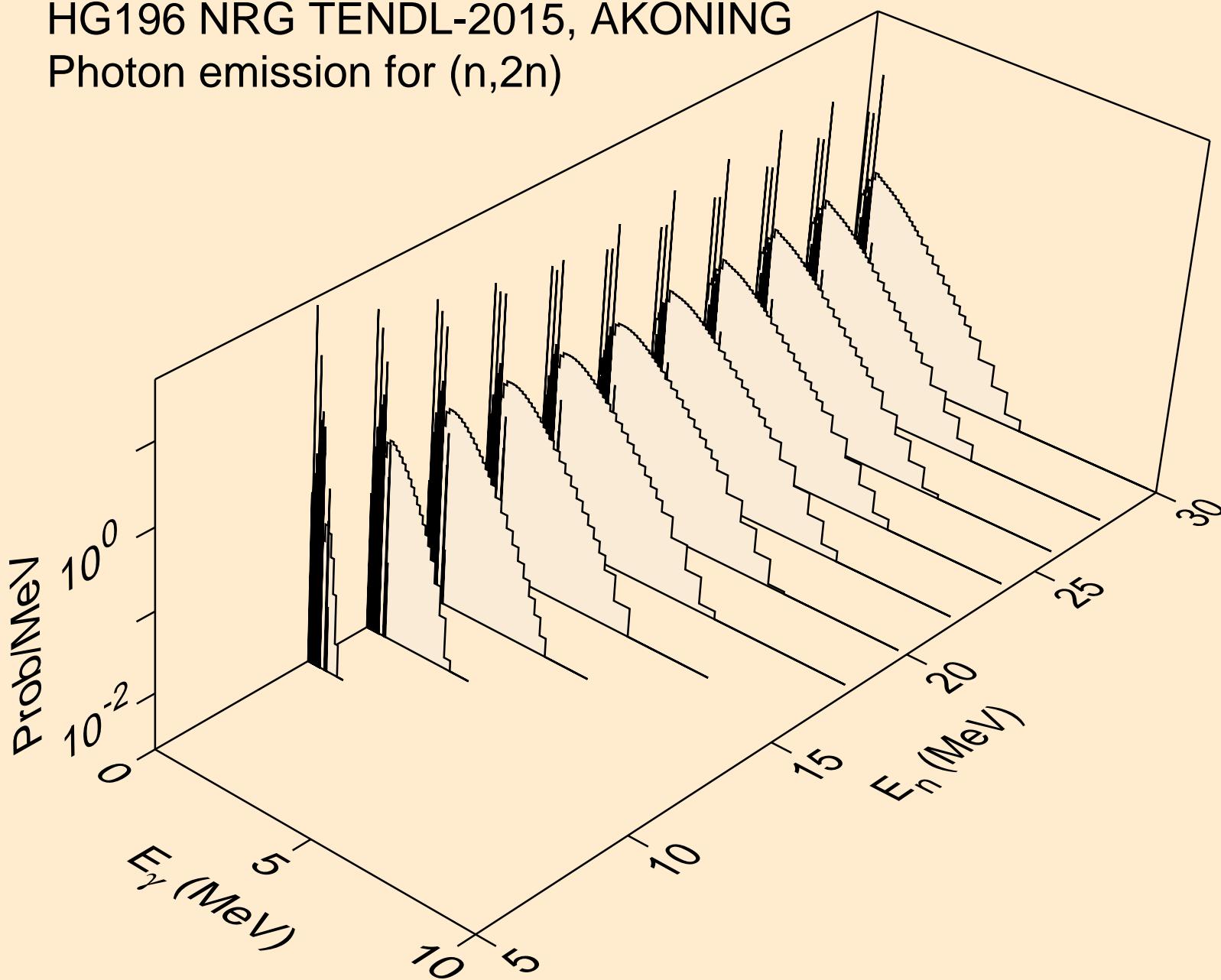
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



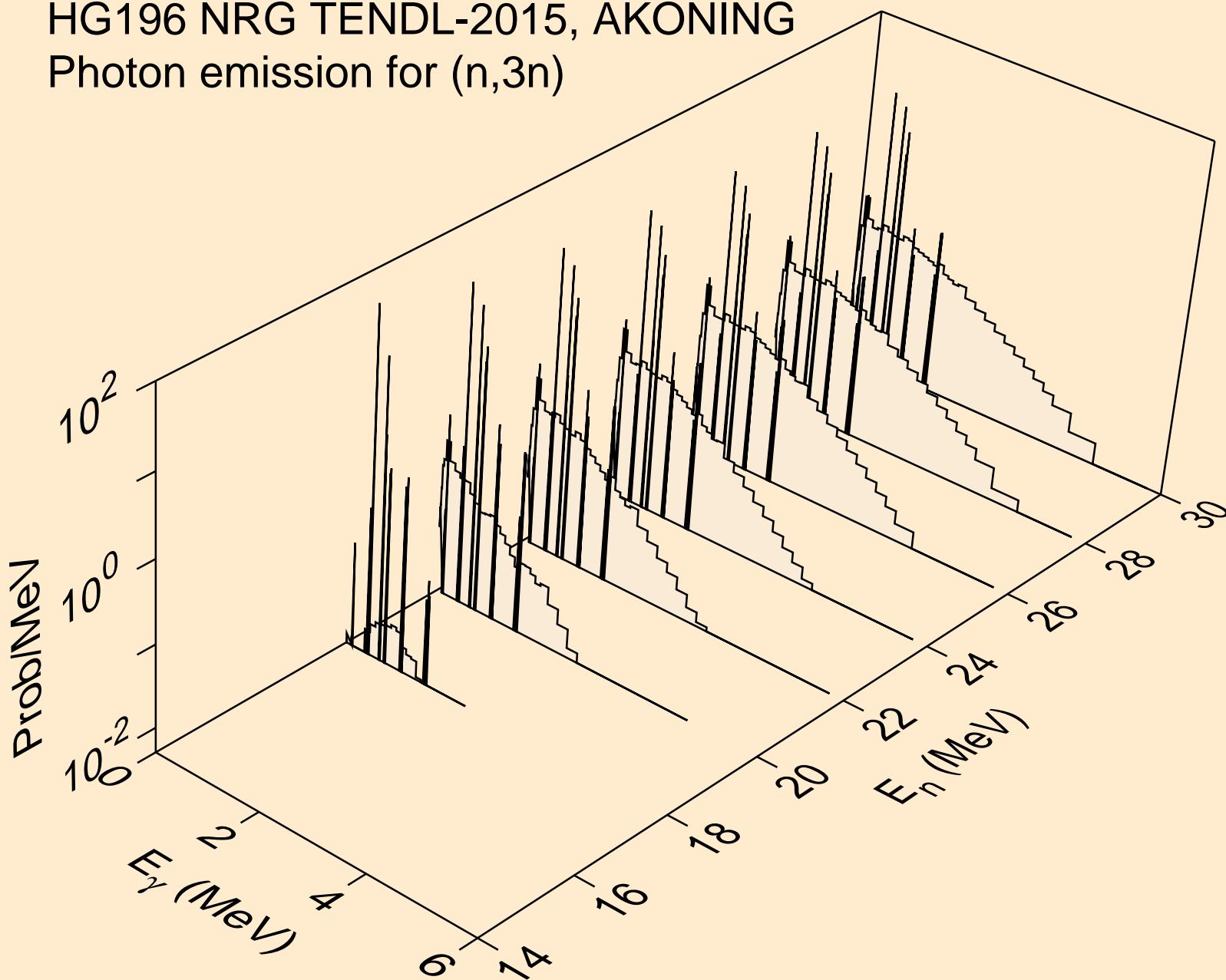
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



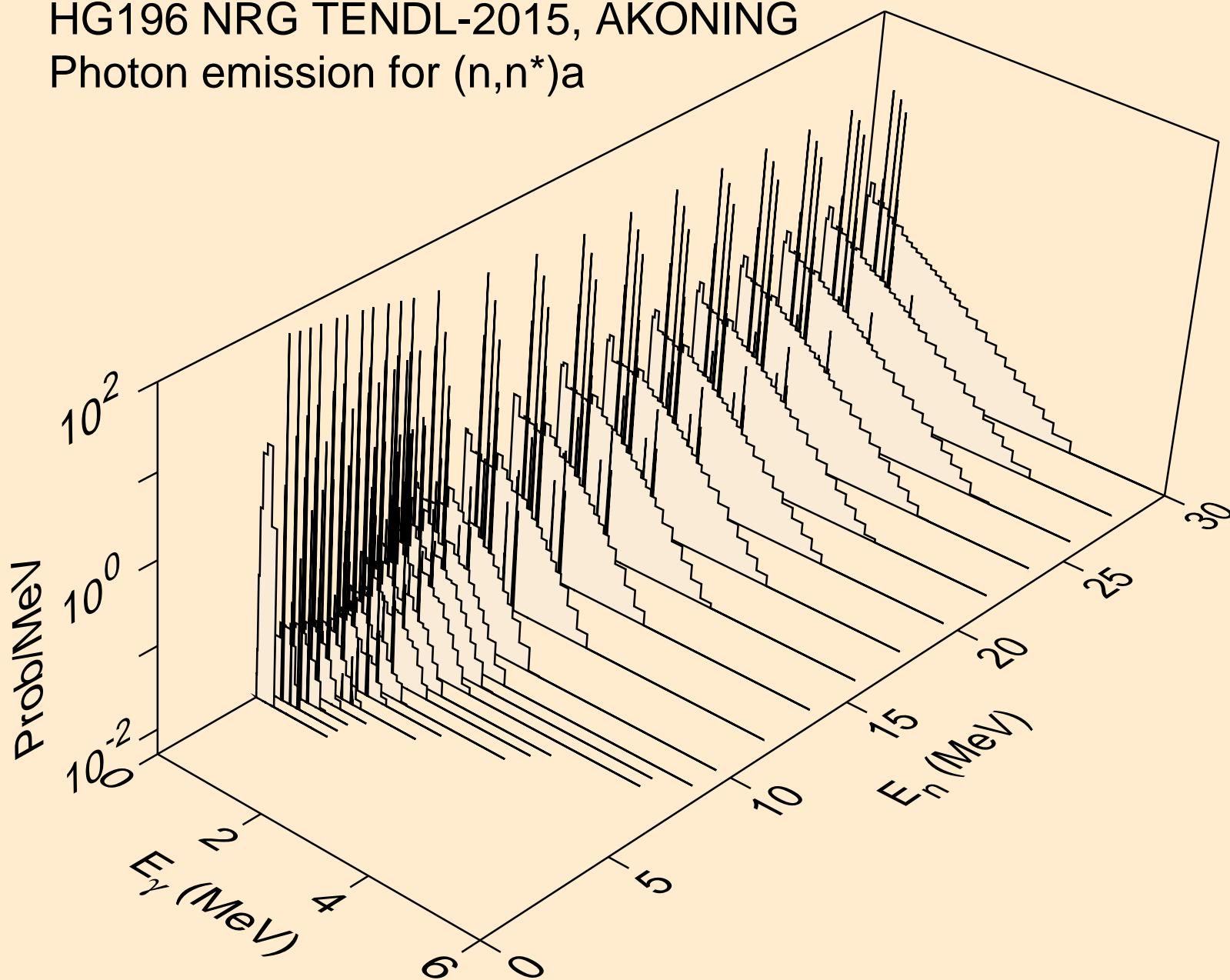
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Photon emission for (n,2n)



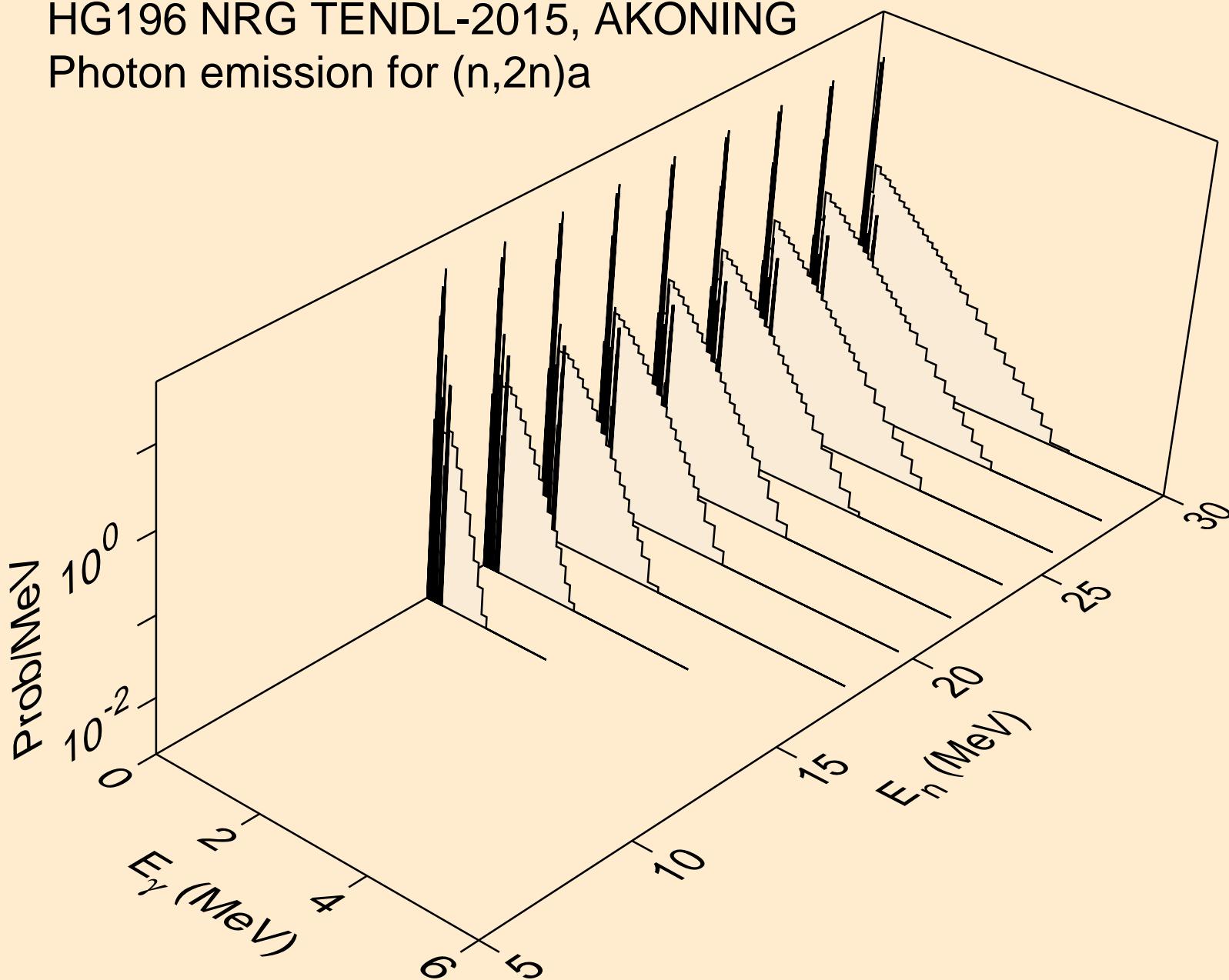
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



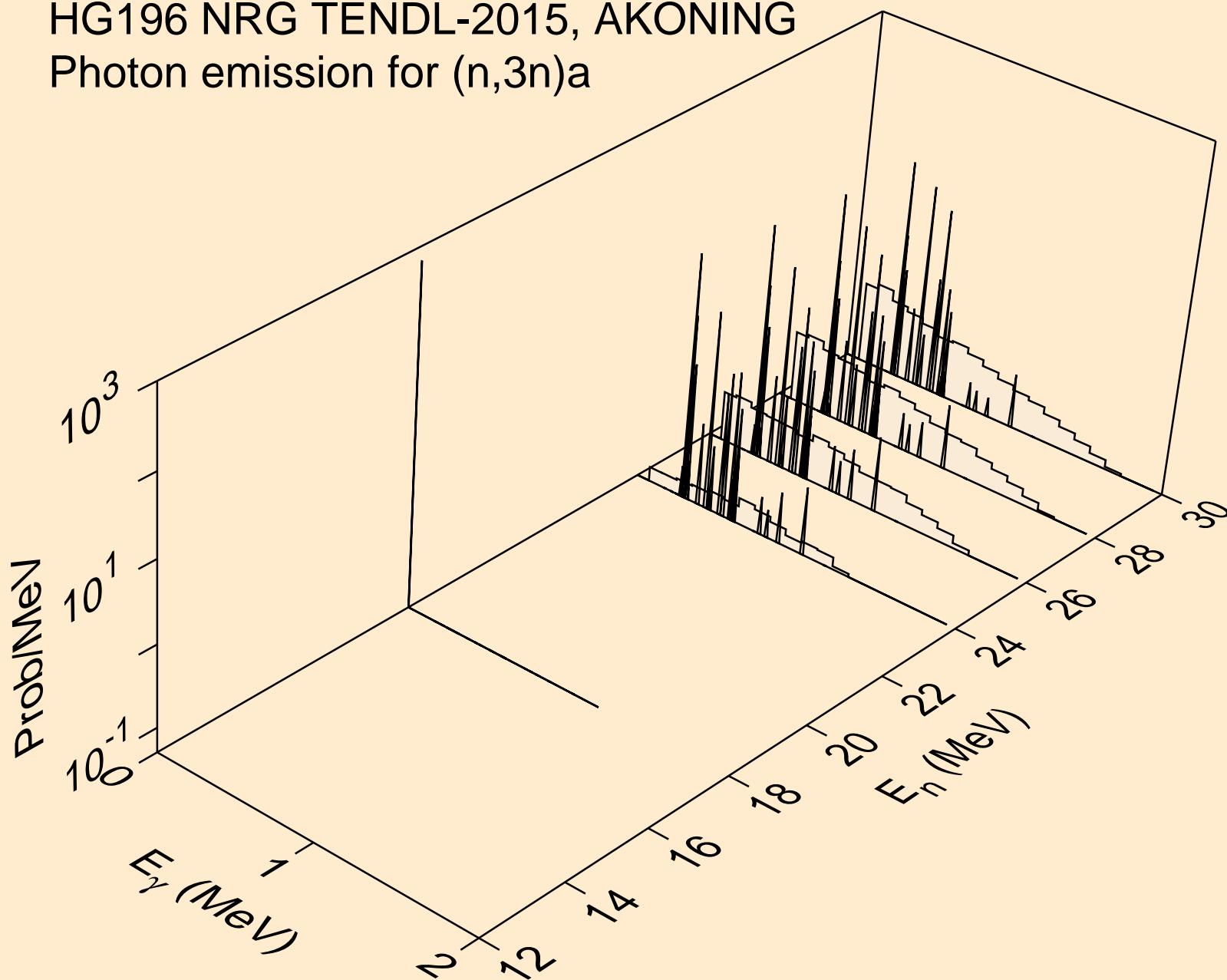
HG196 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



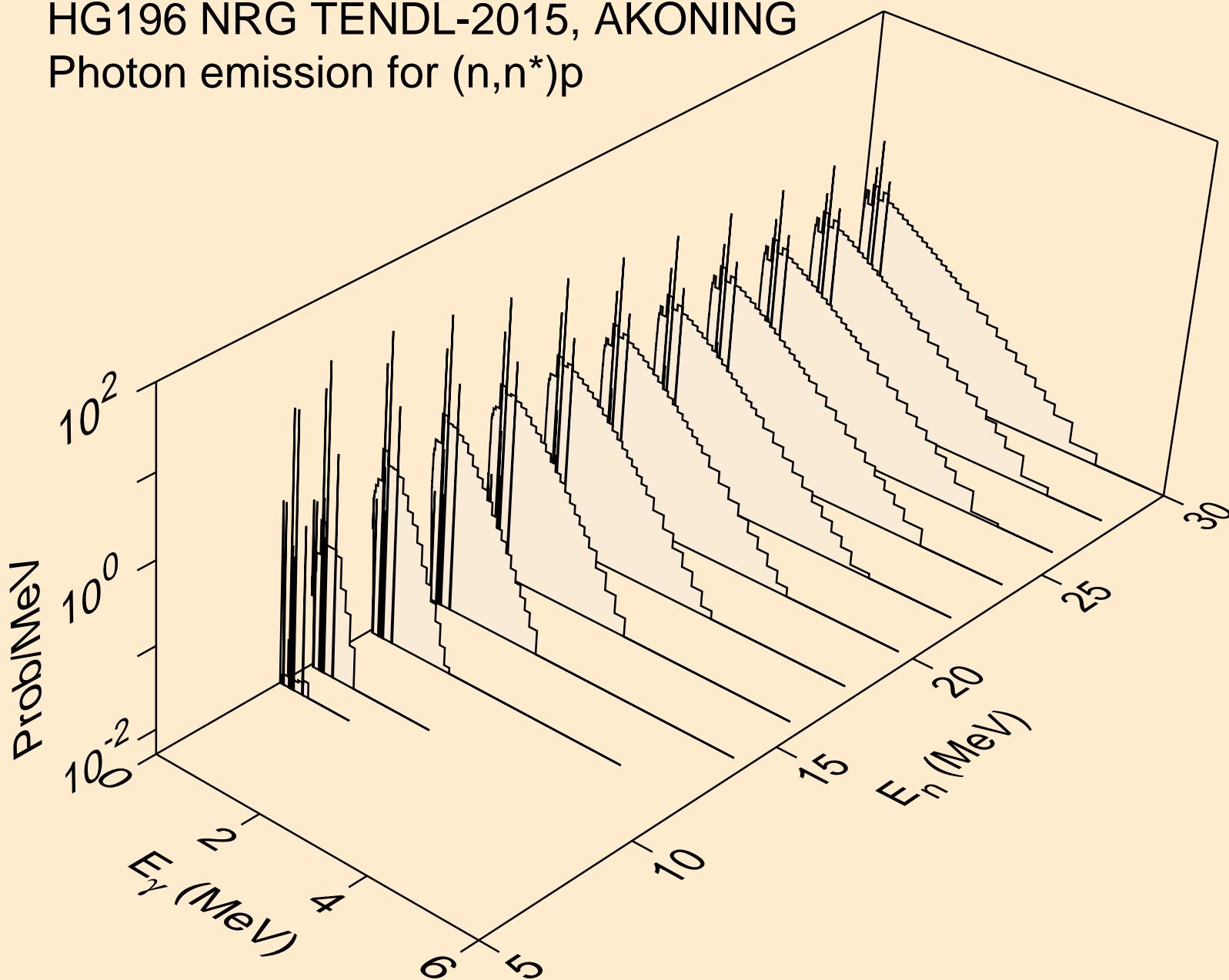
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



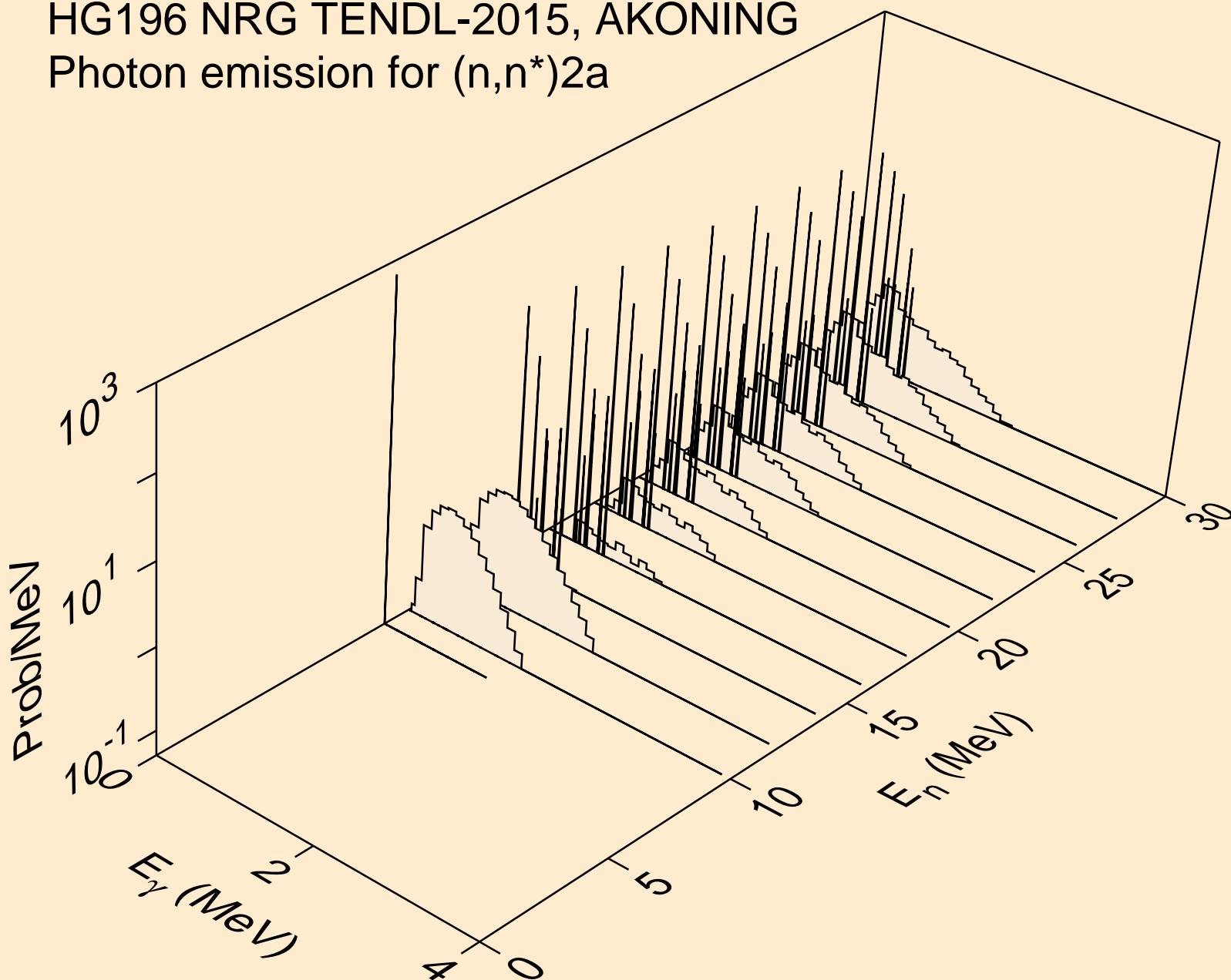
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



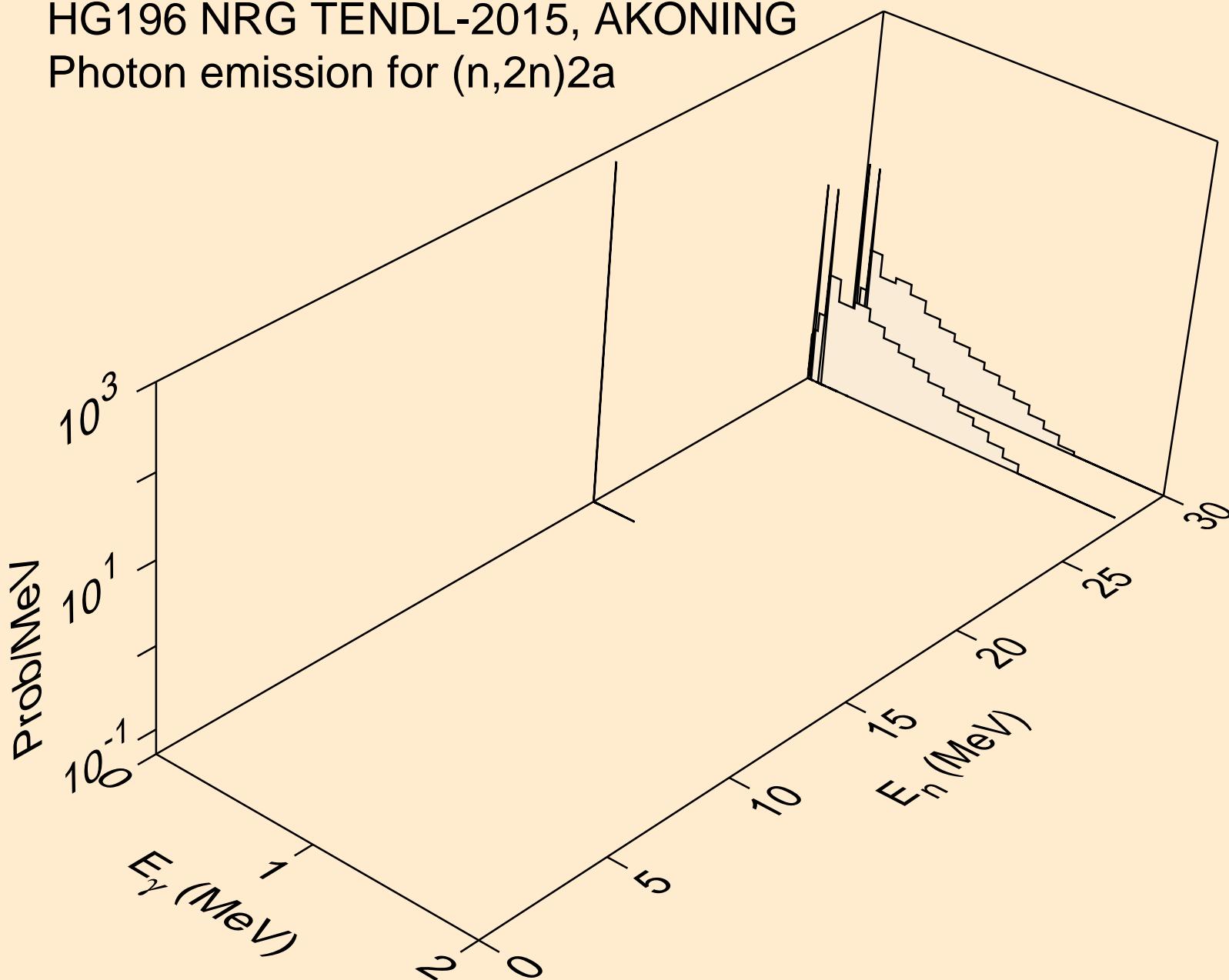
HG196 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



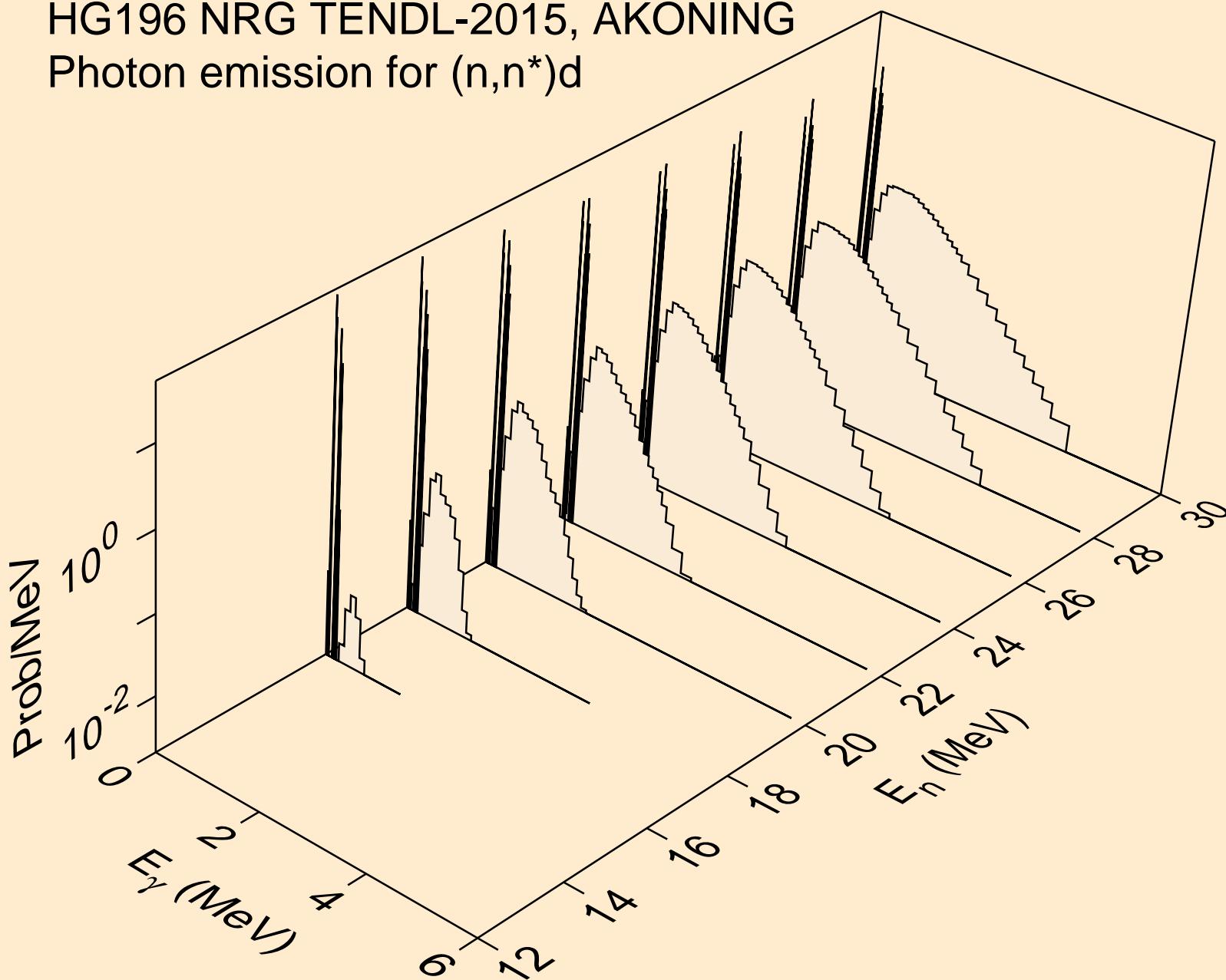
HG196 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



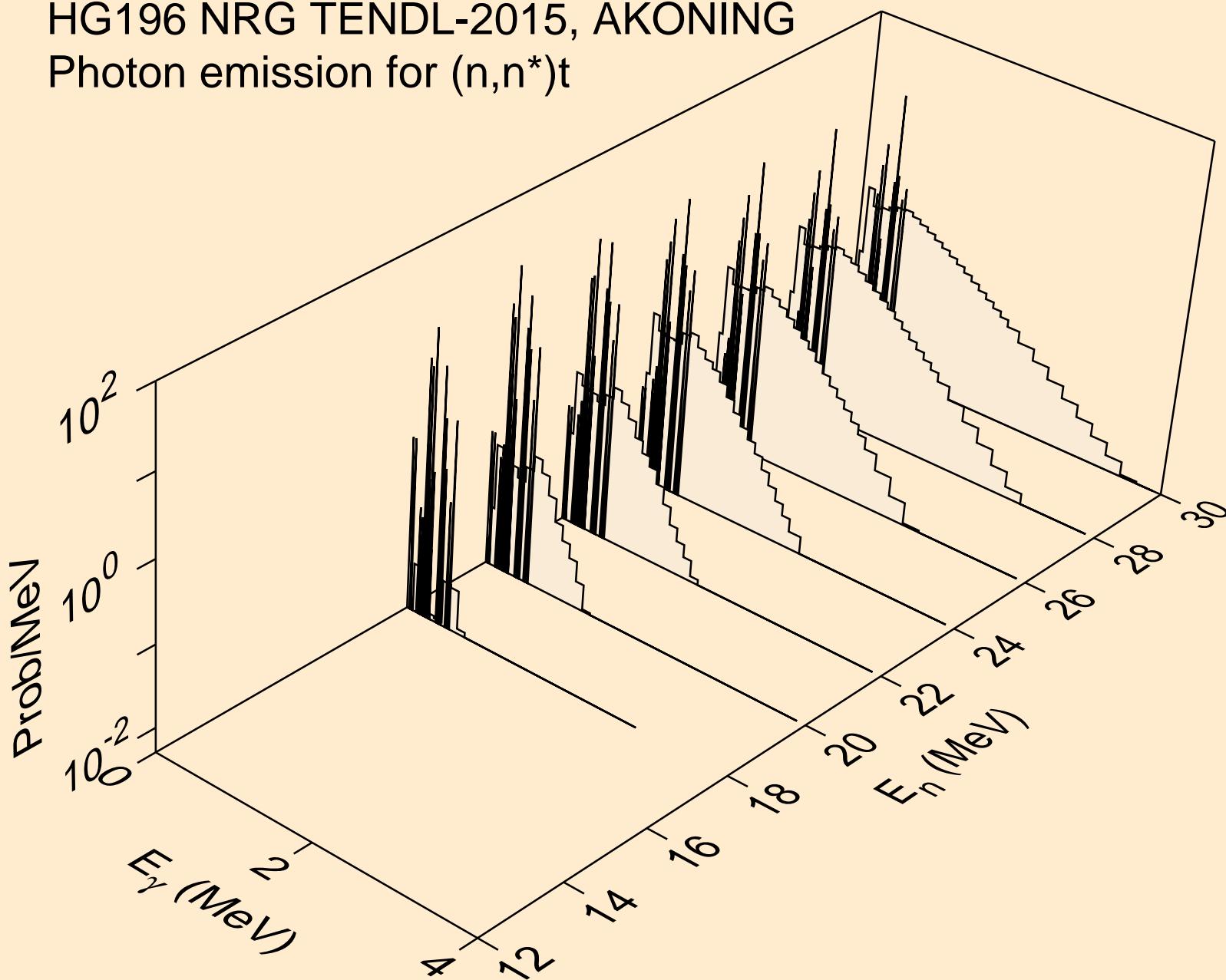
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



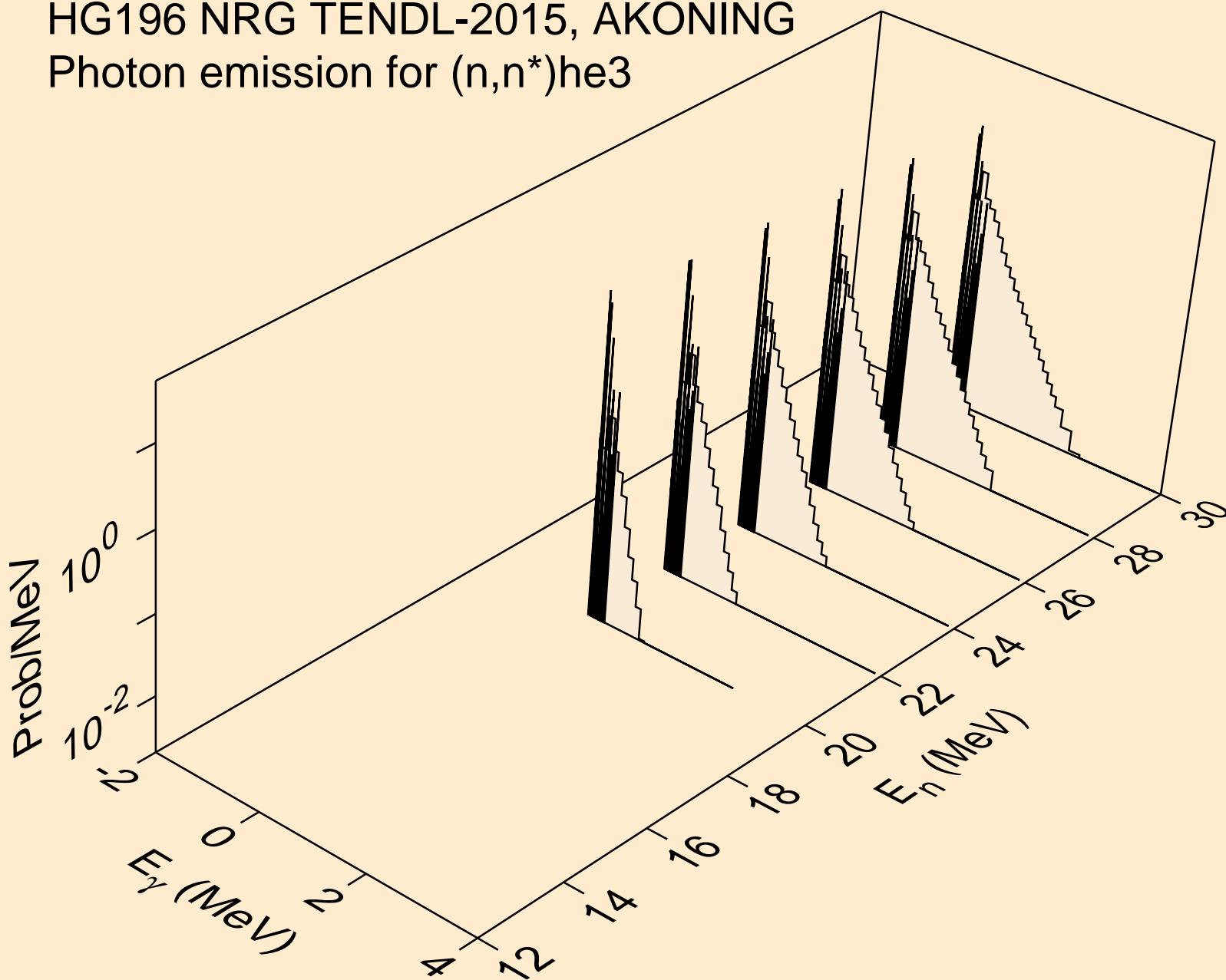
HG196 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d$



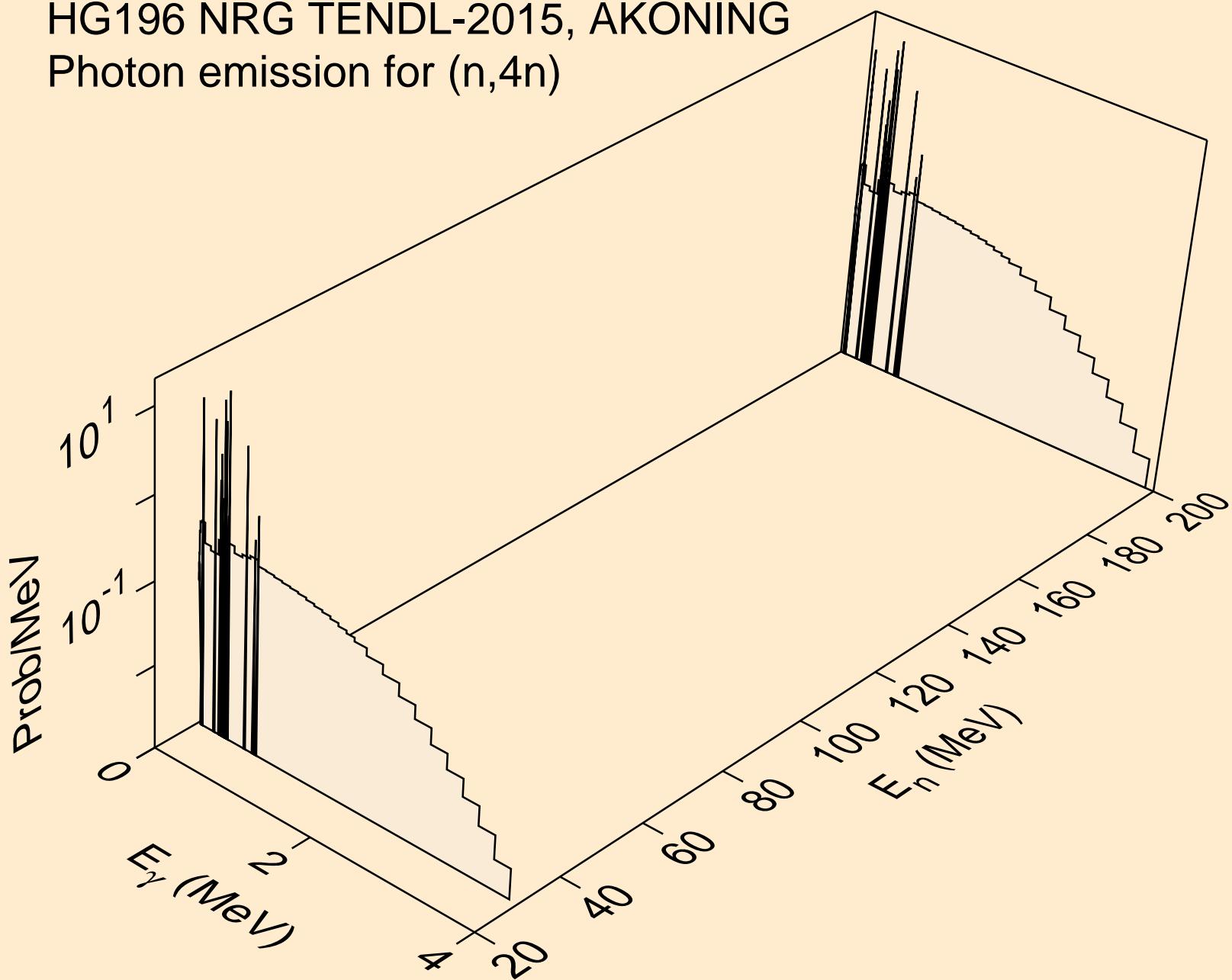
HG196 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



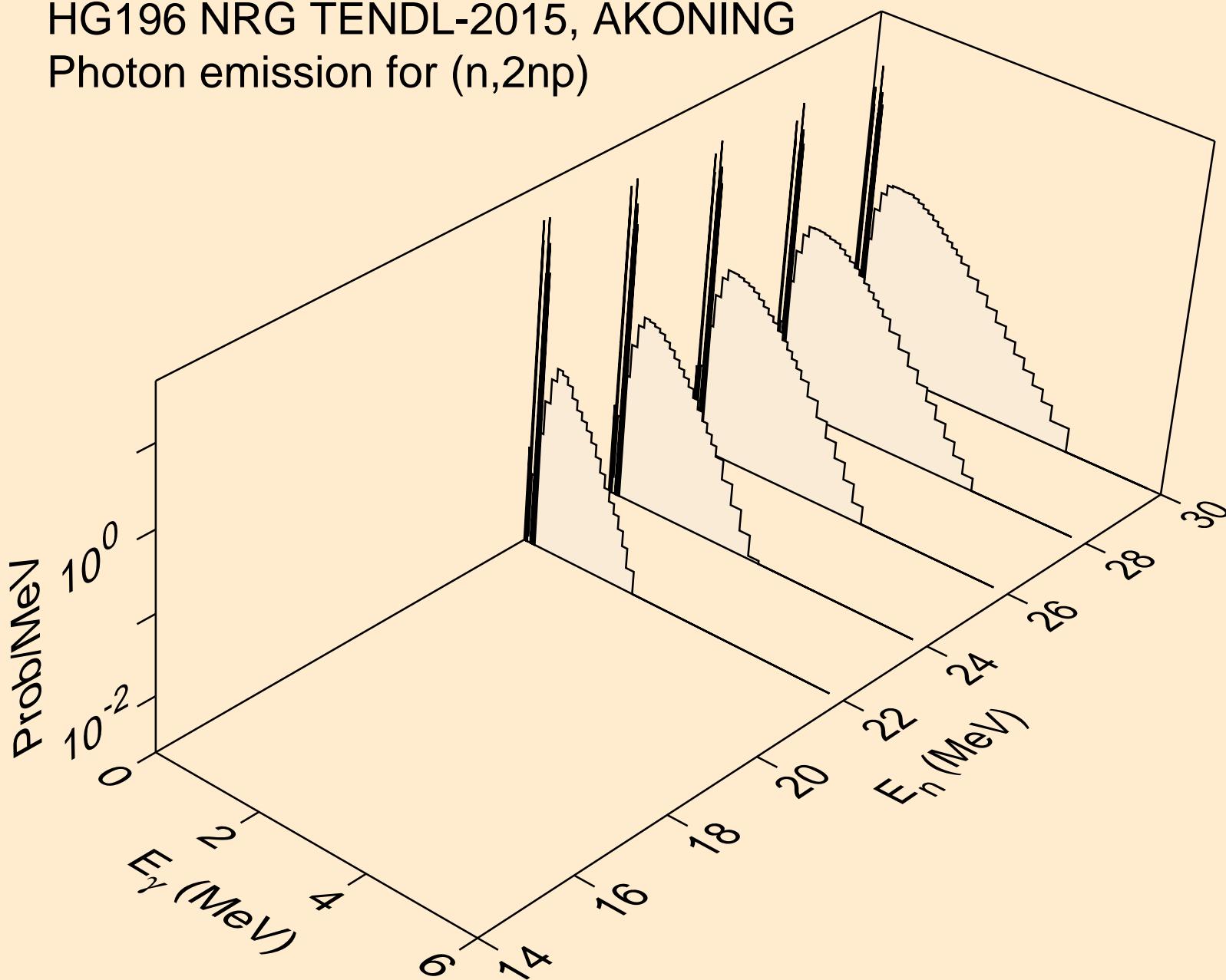
HG196 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



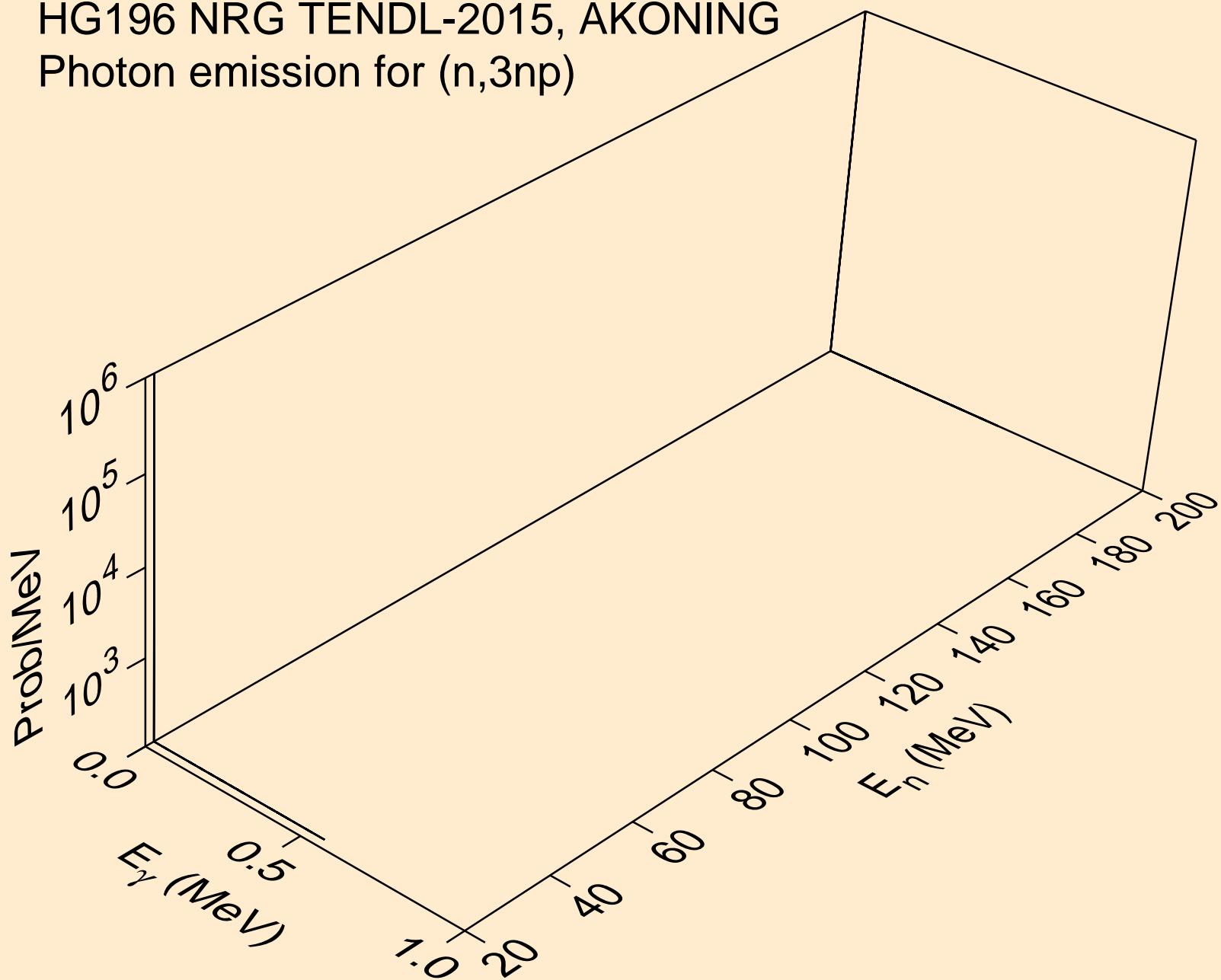
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



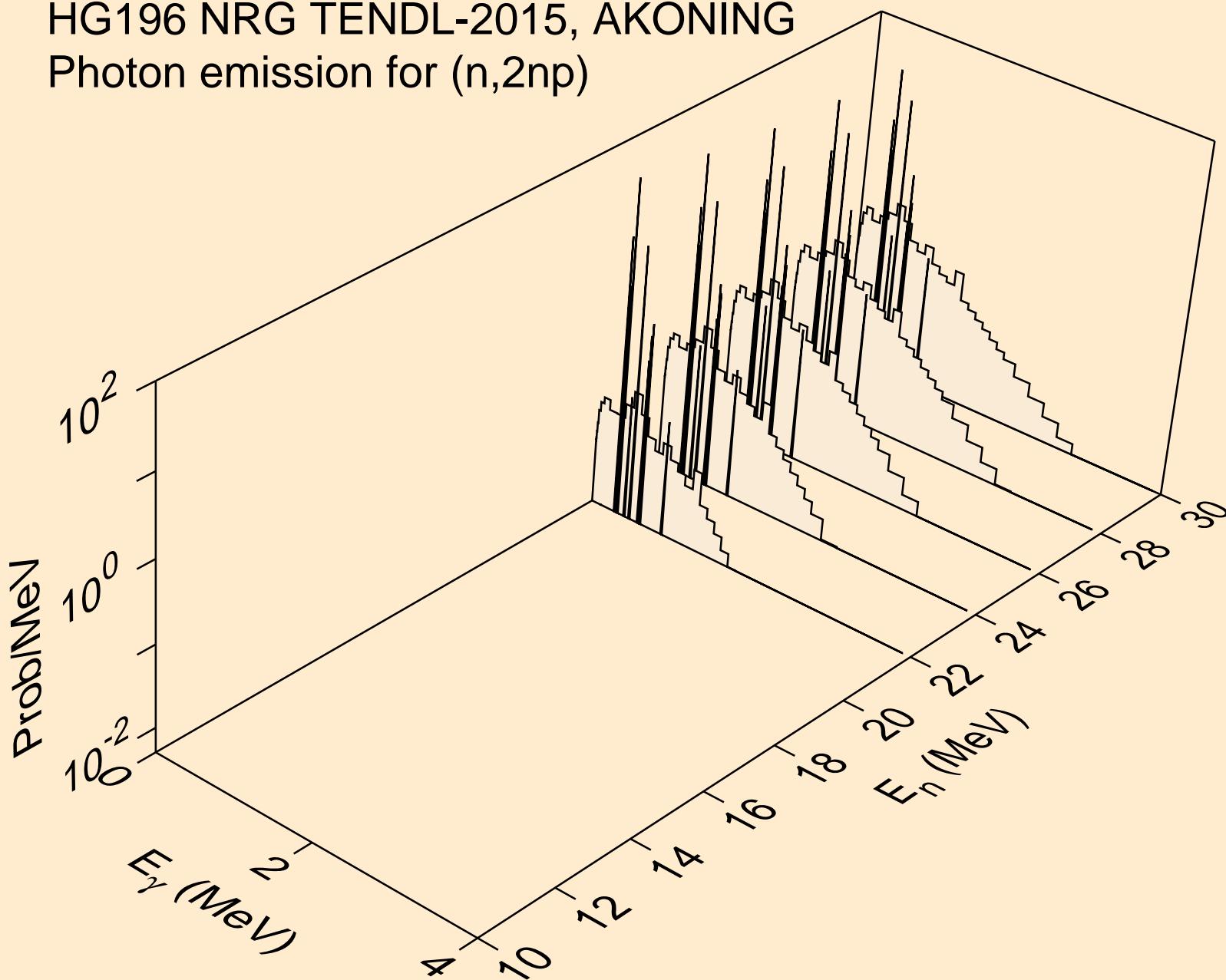
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



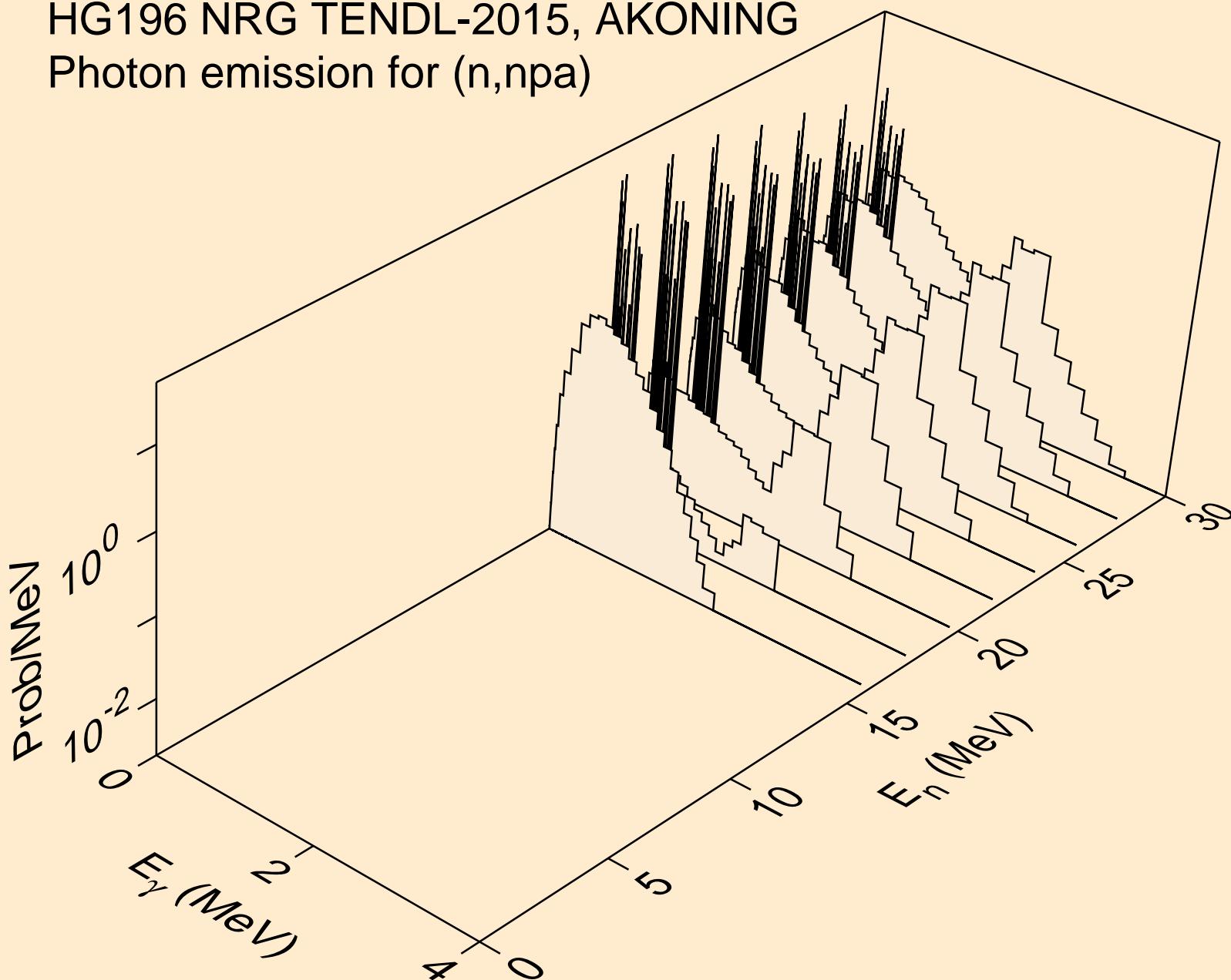
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



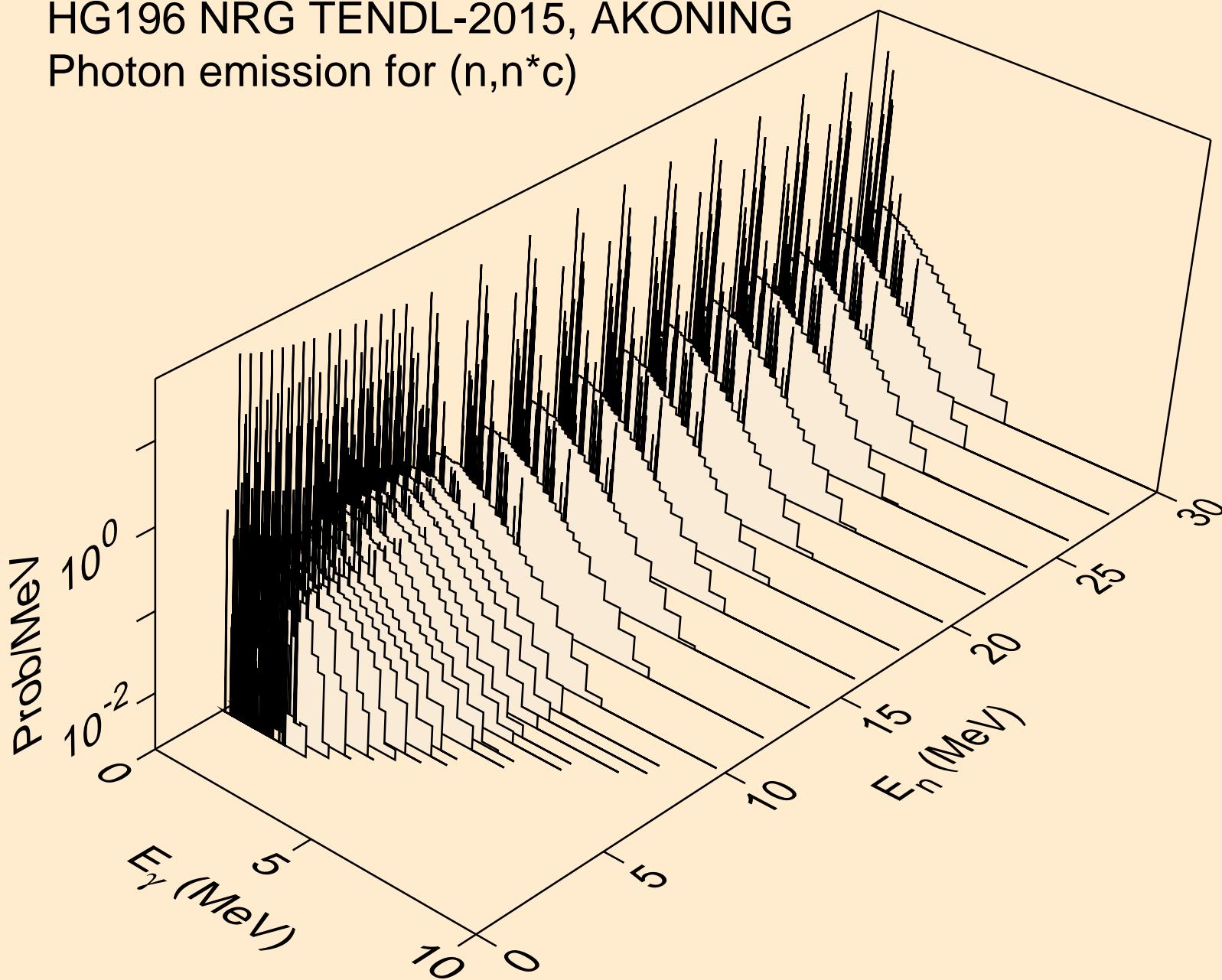
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Photon emission for (n,2np)



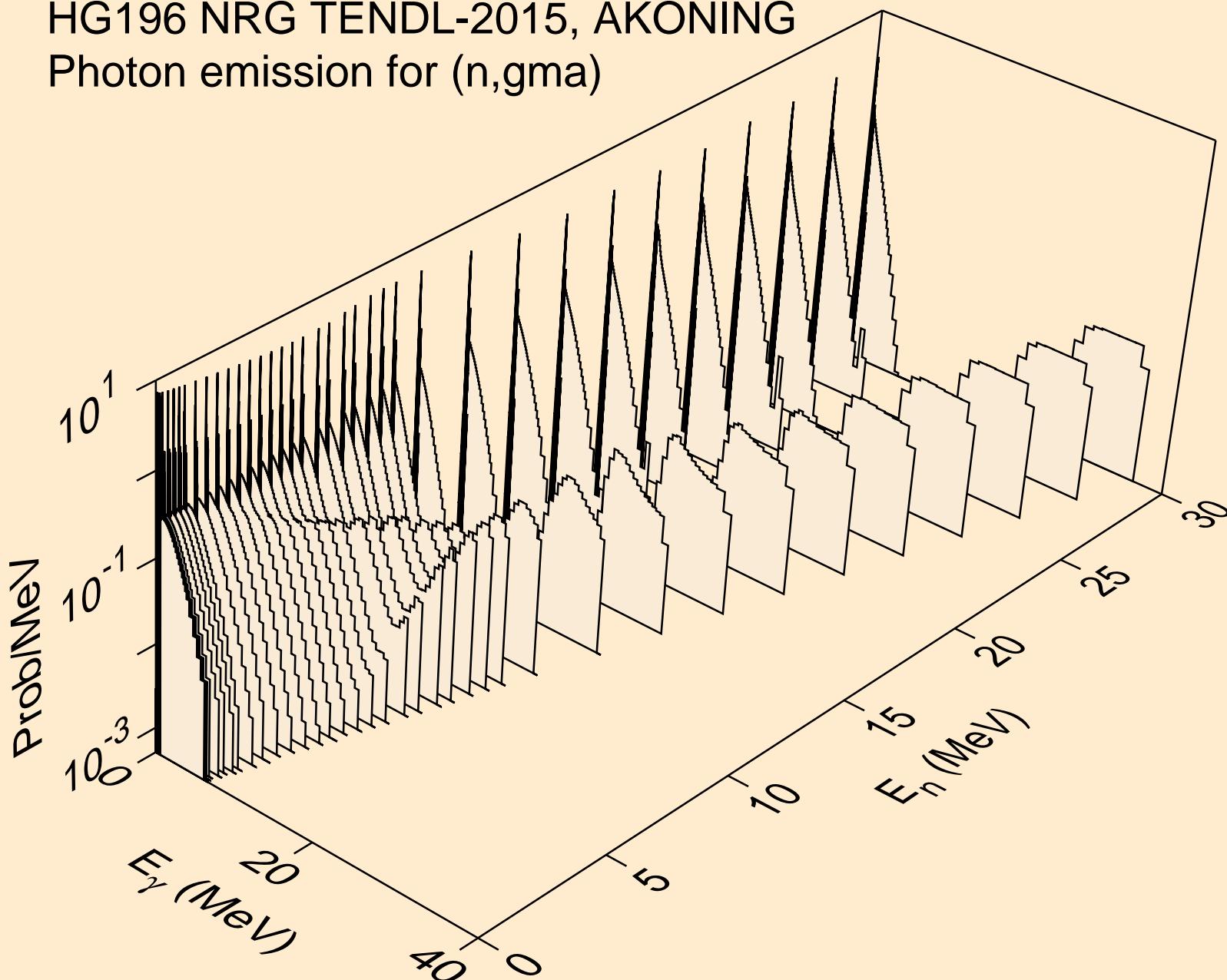
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



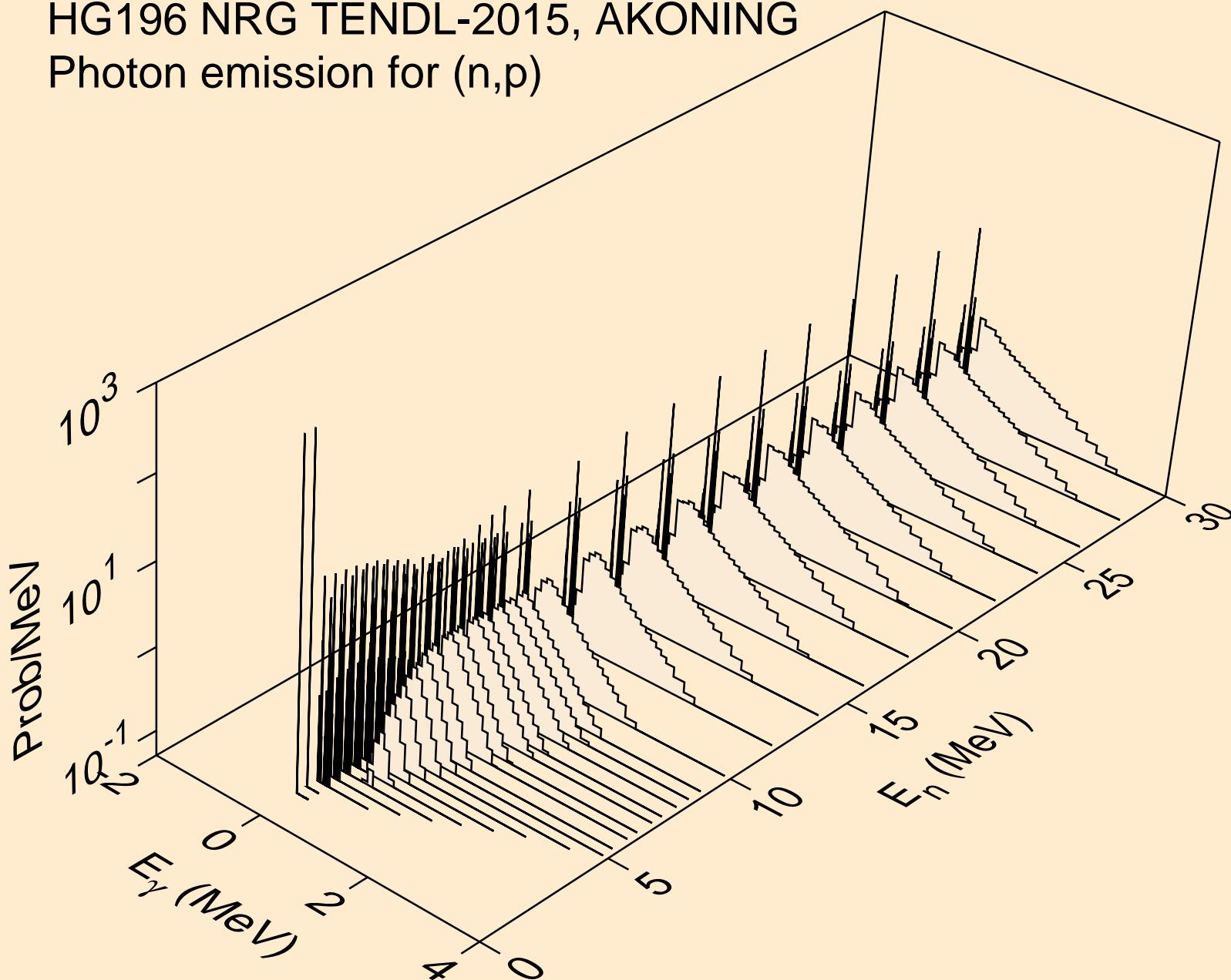
HG196 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*c)$



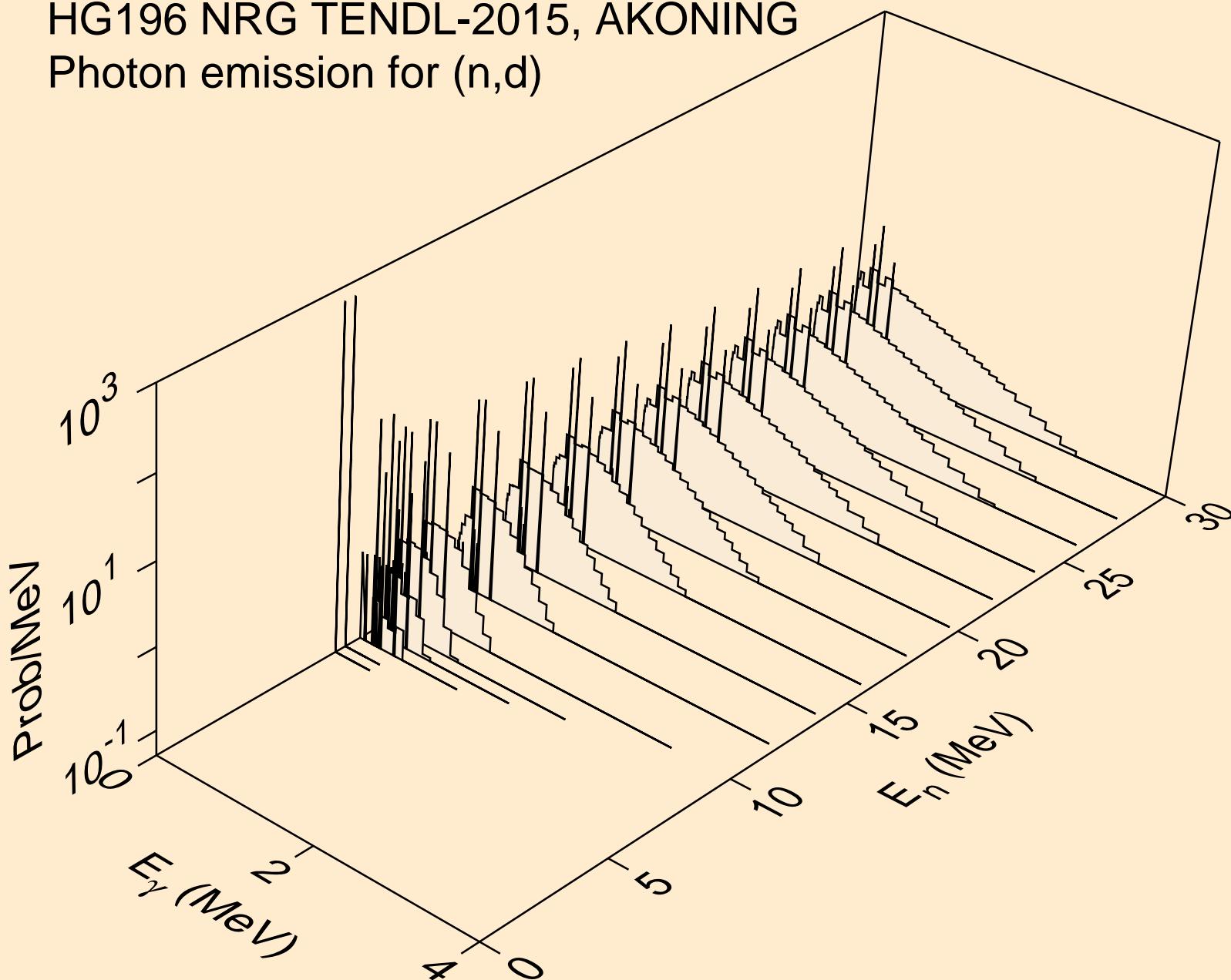
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



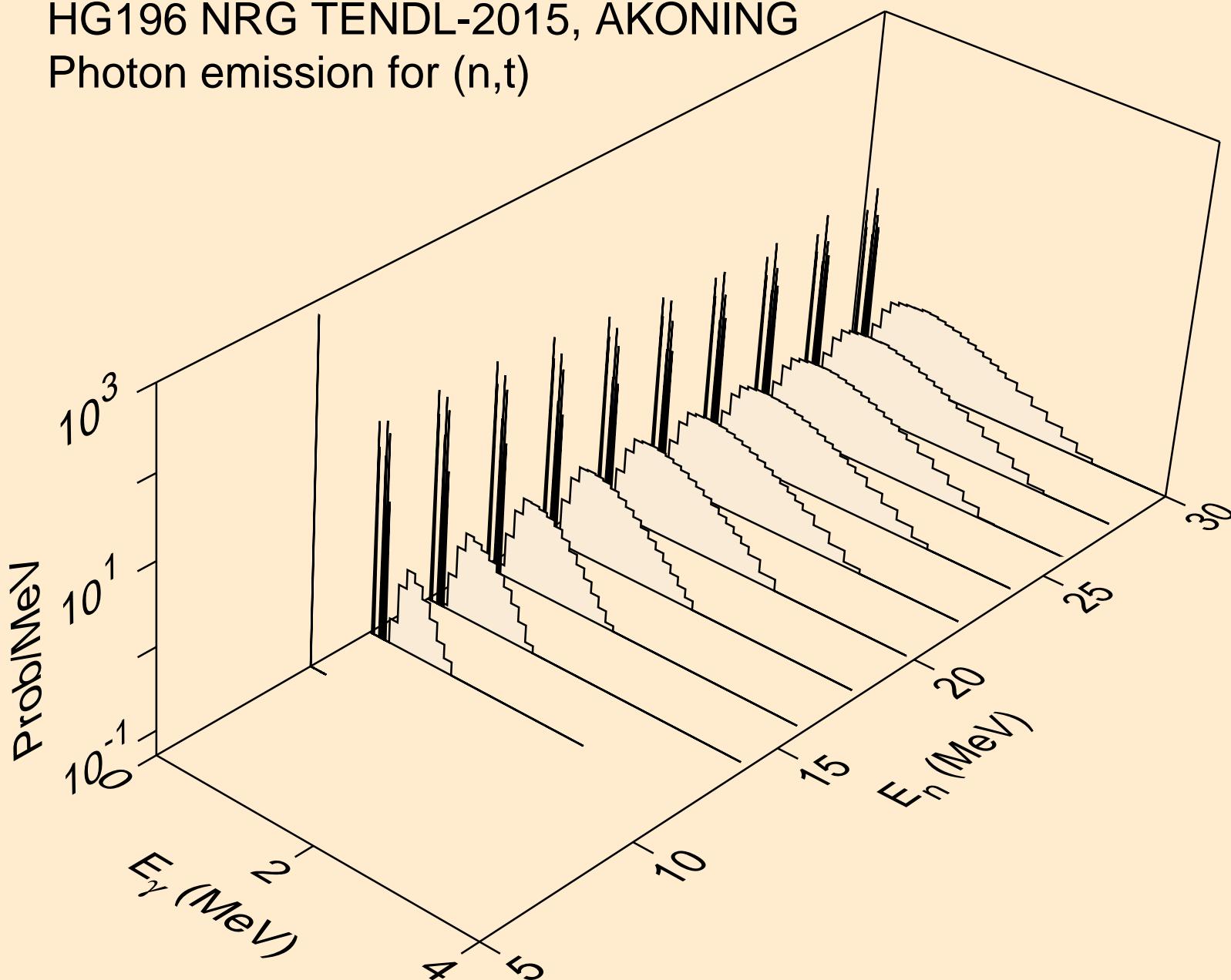
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



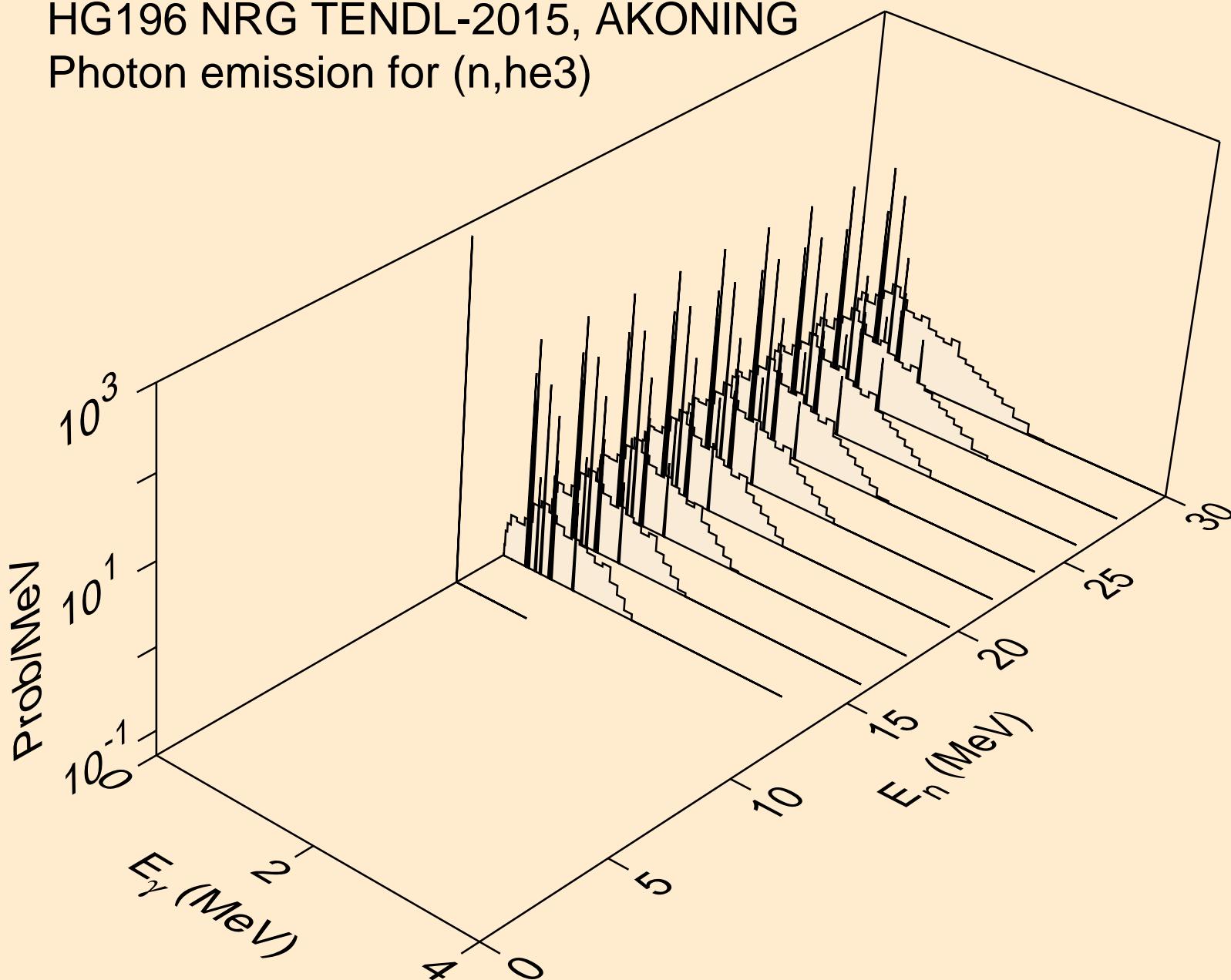
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



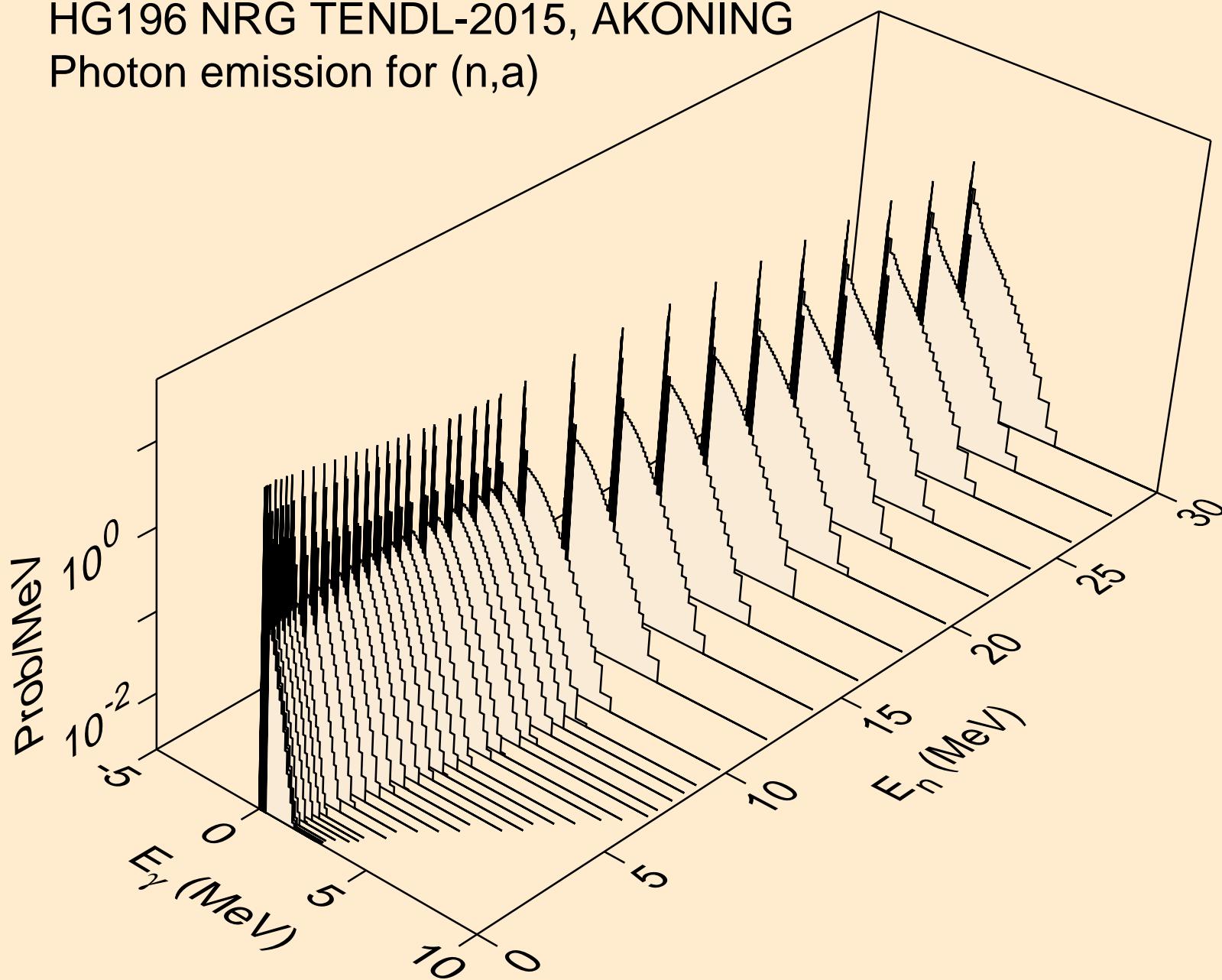
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



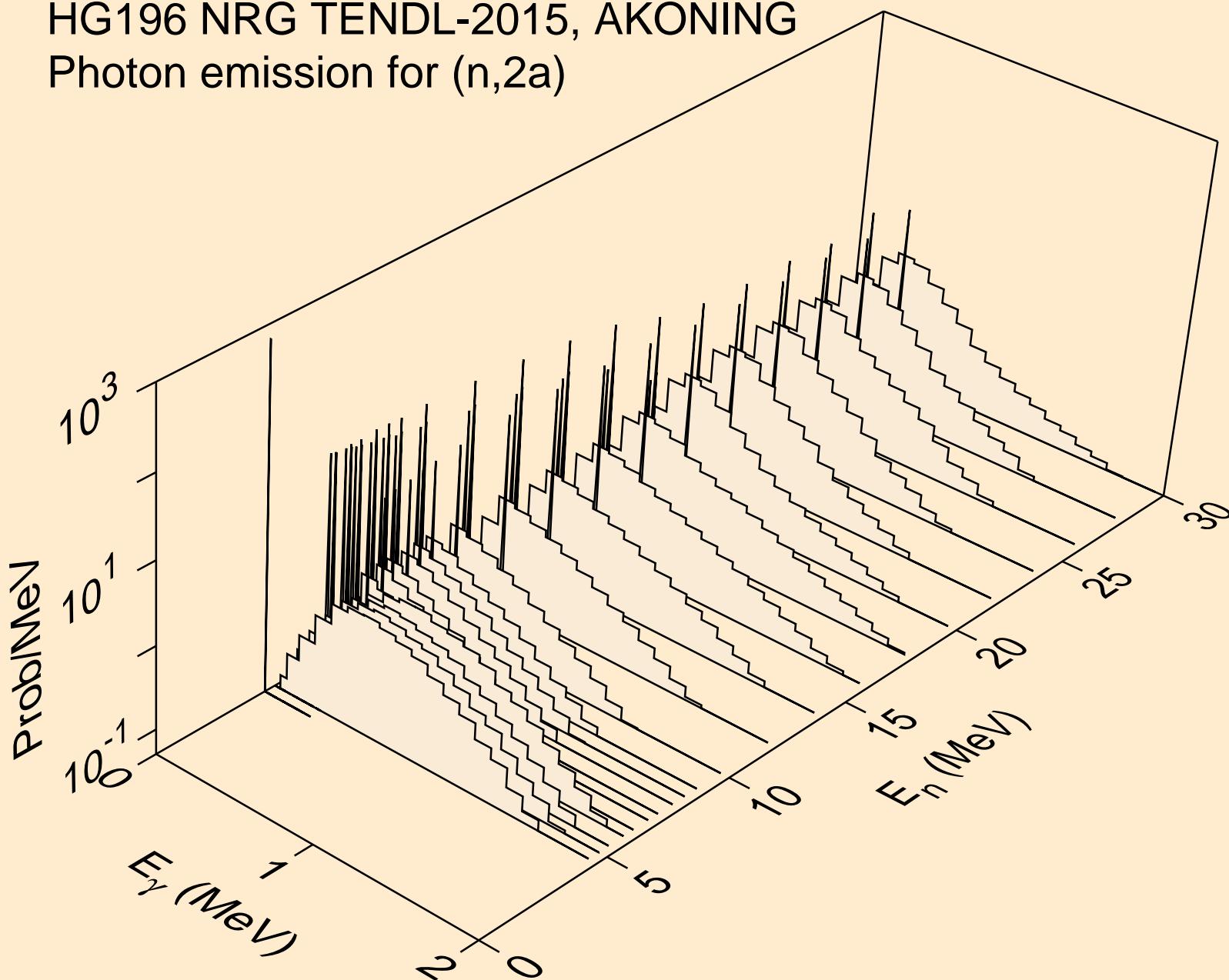
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



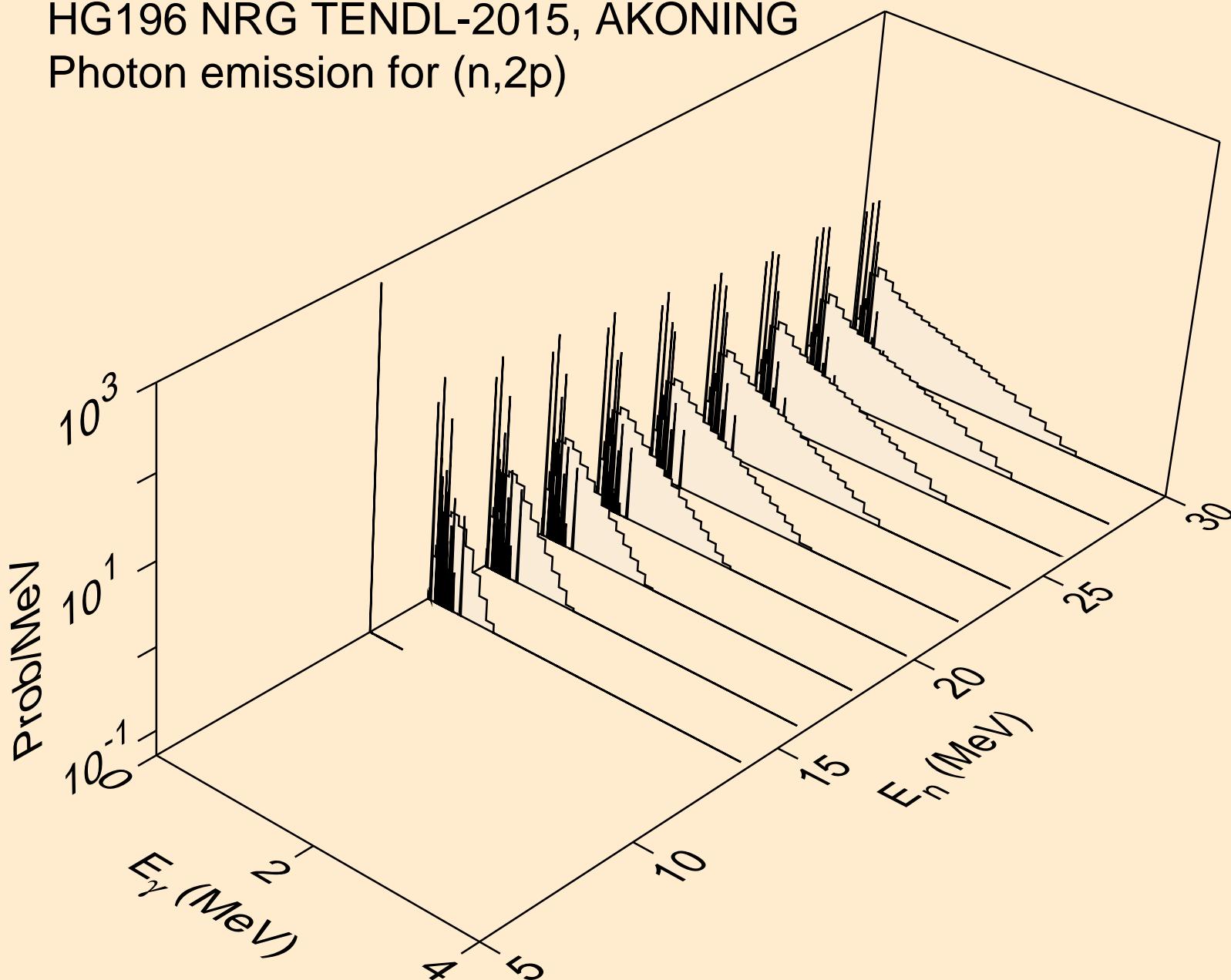
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



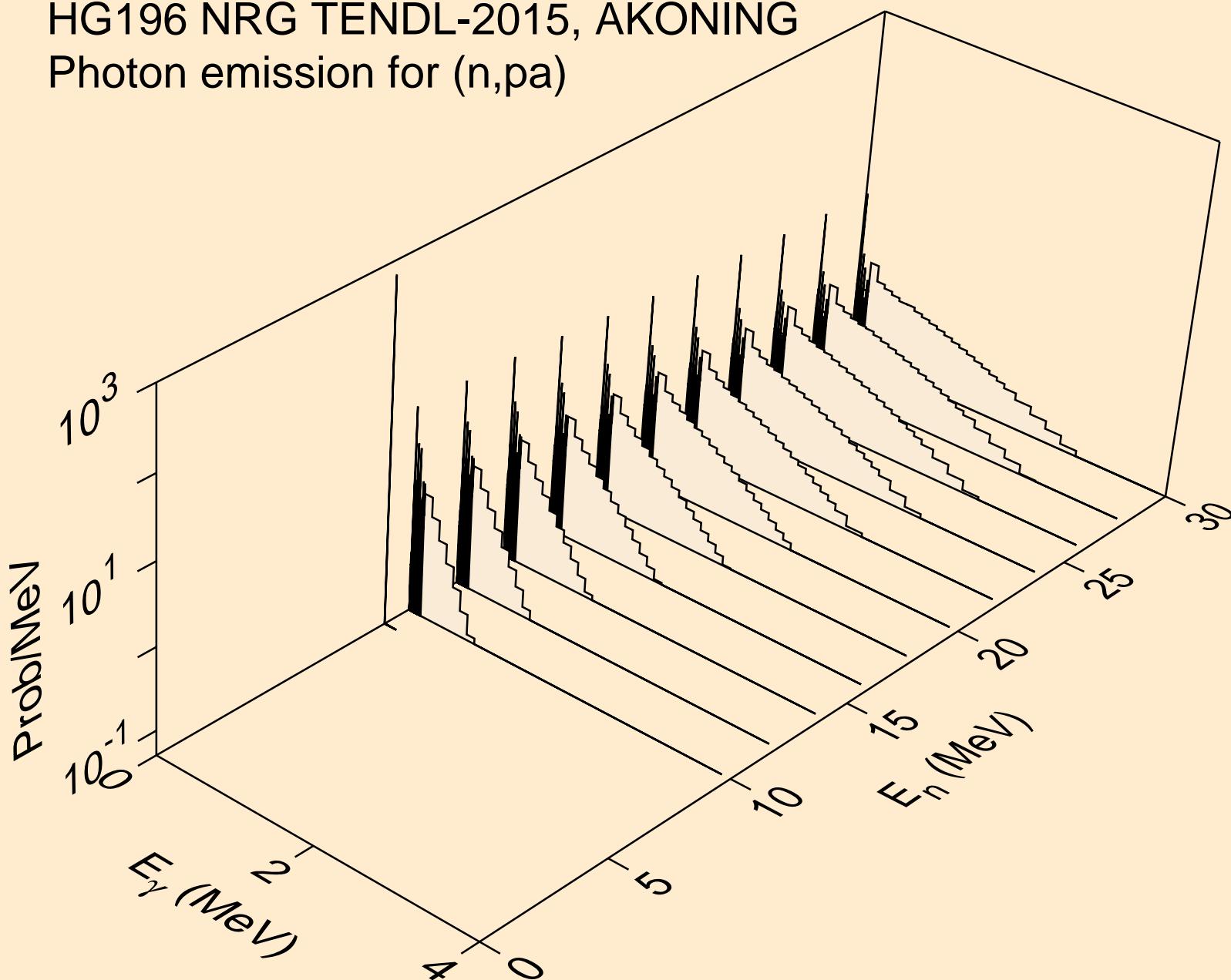
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



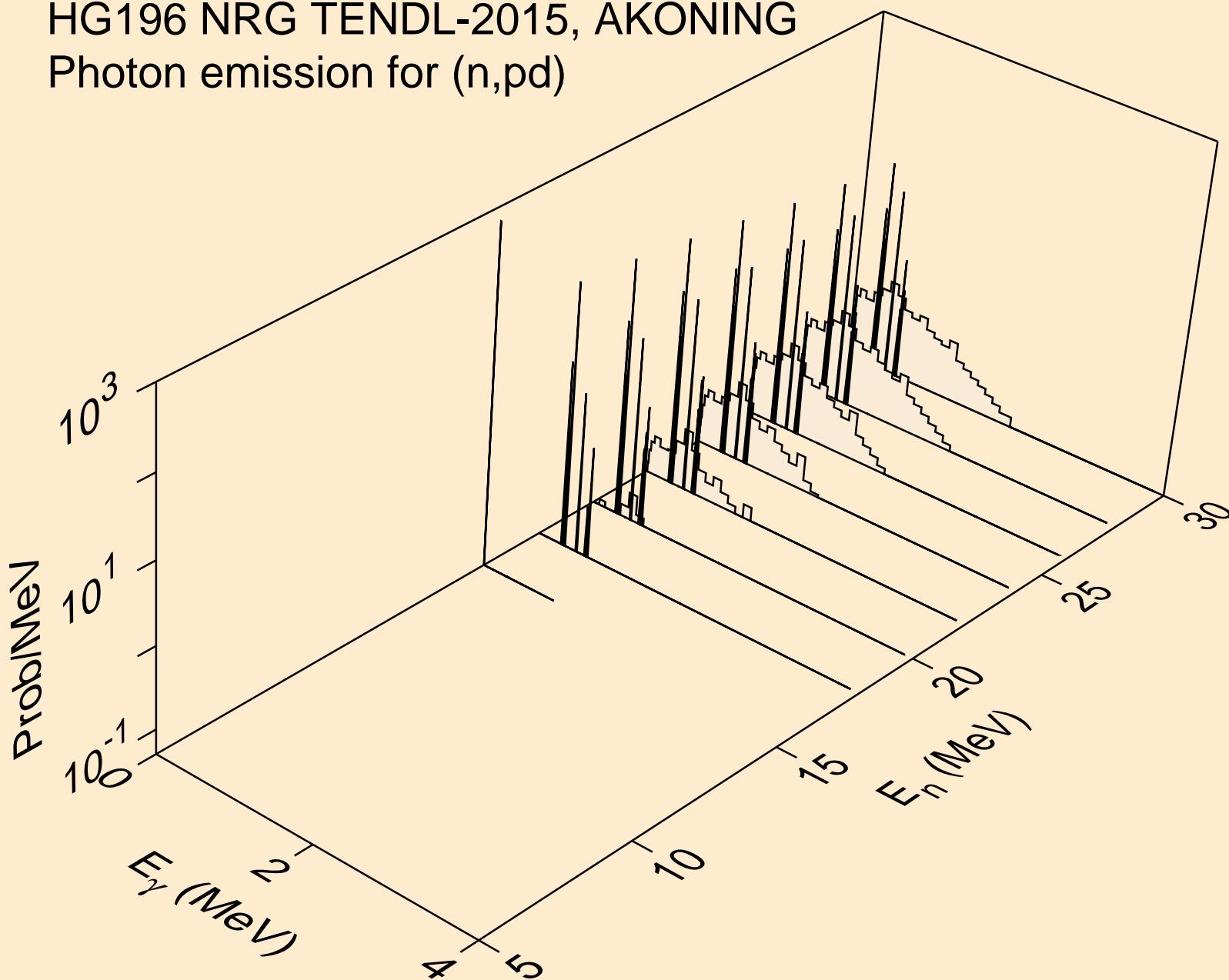
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



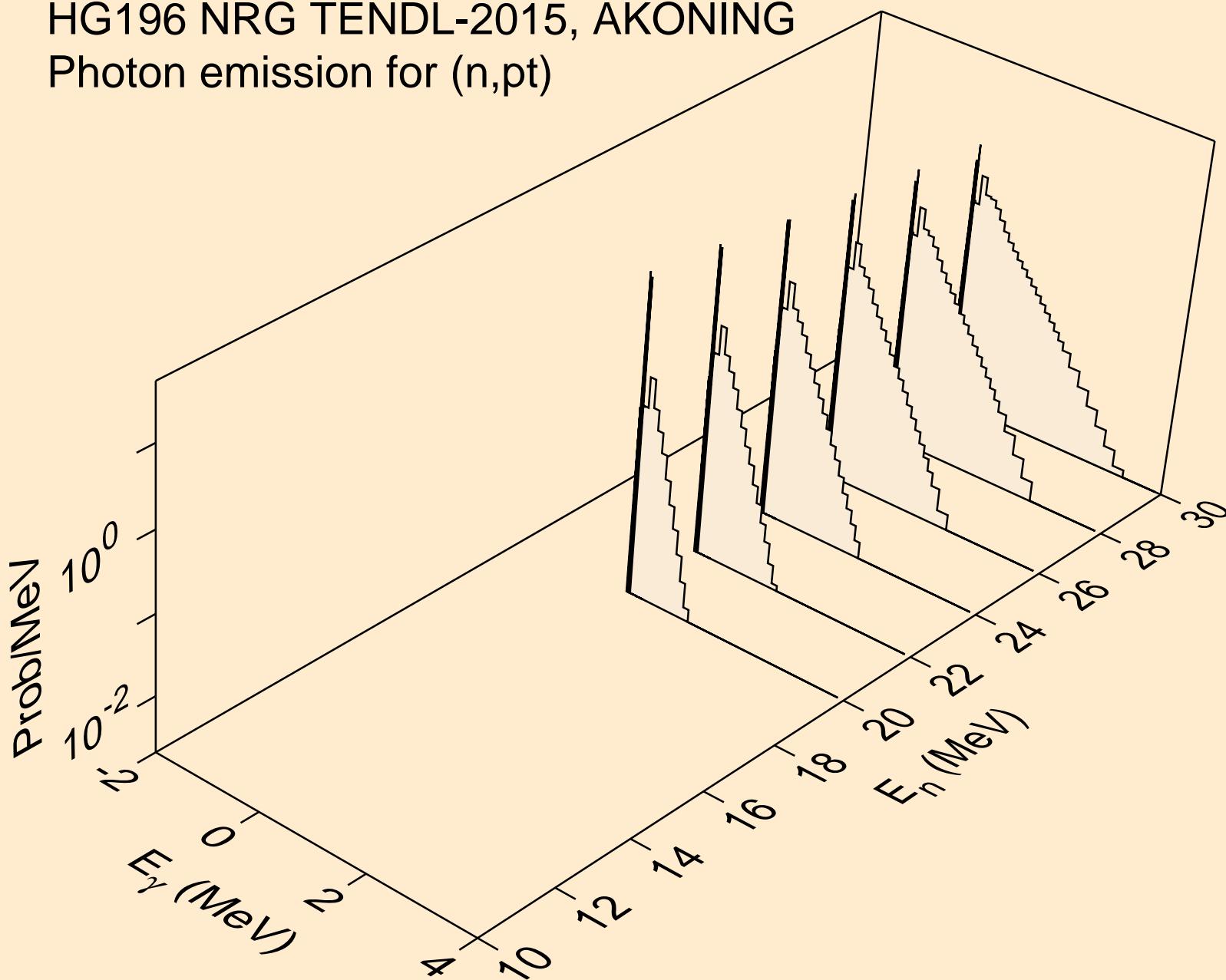
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



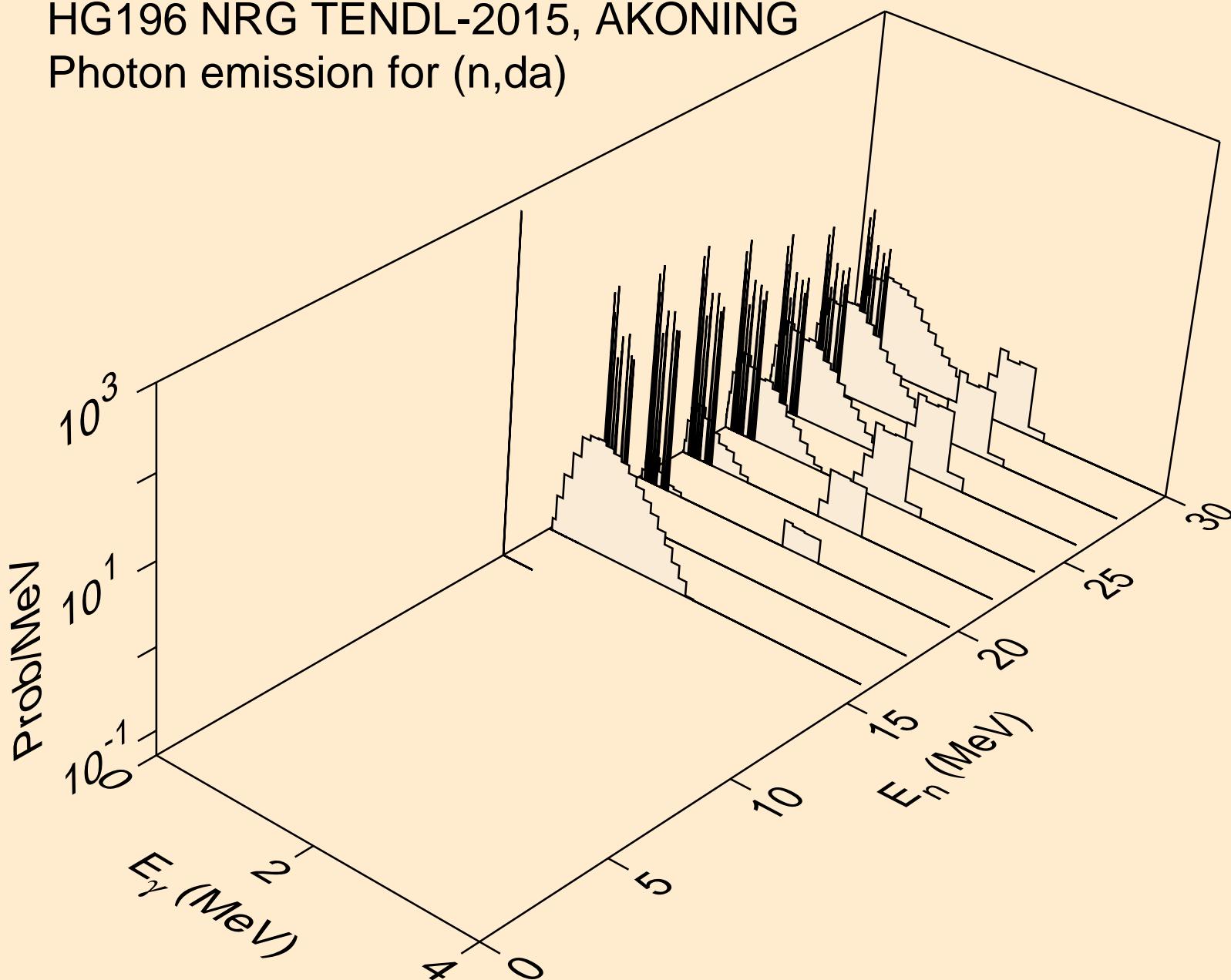
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



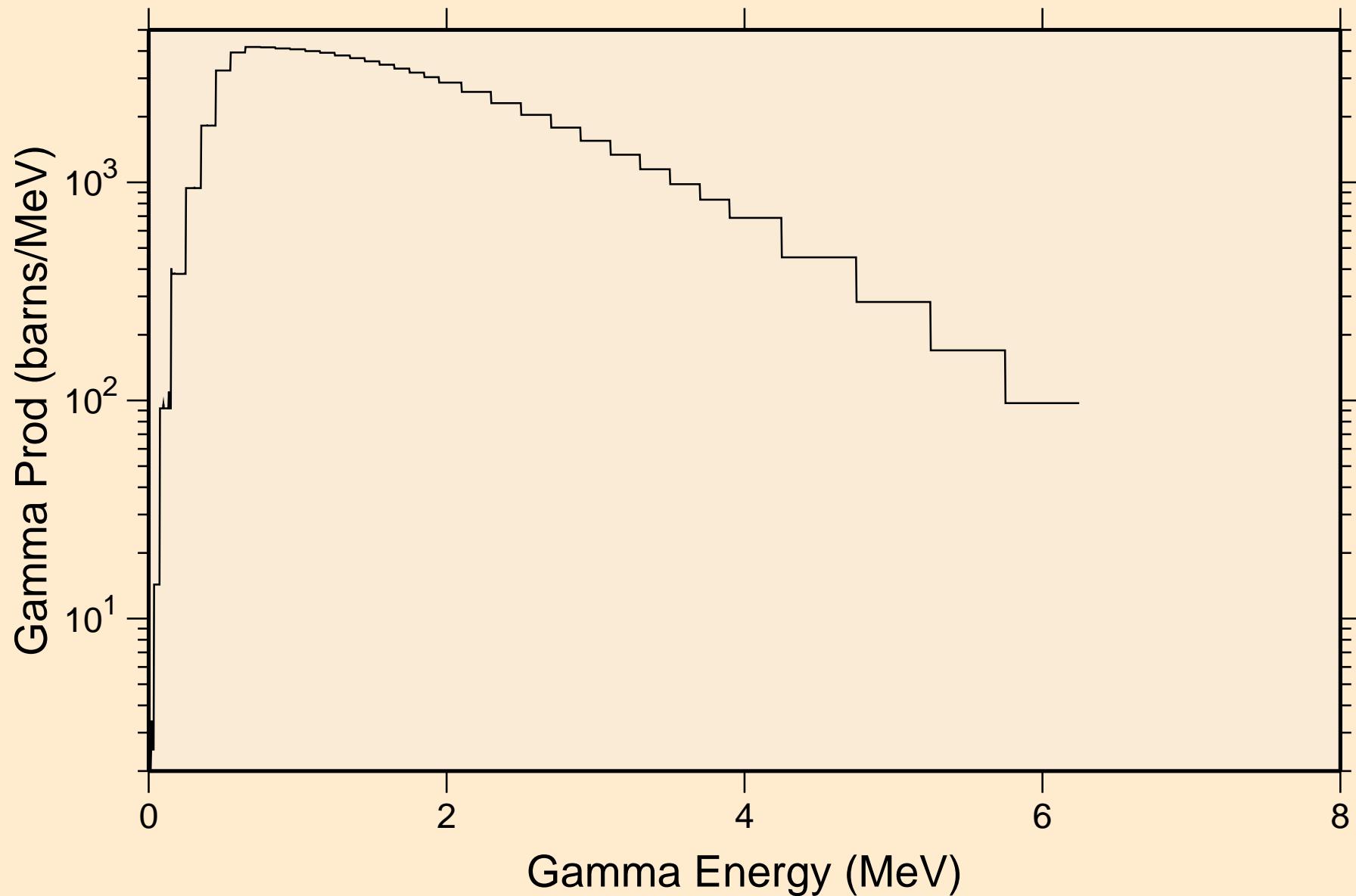
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



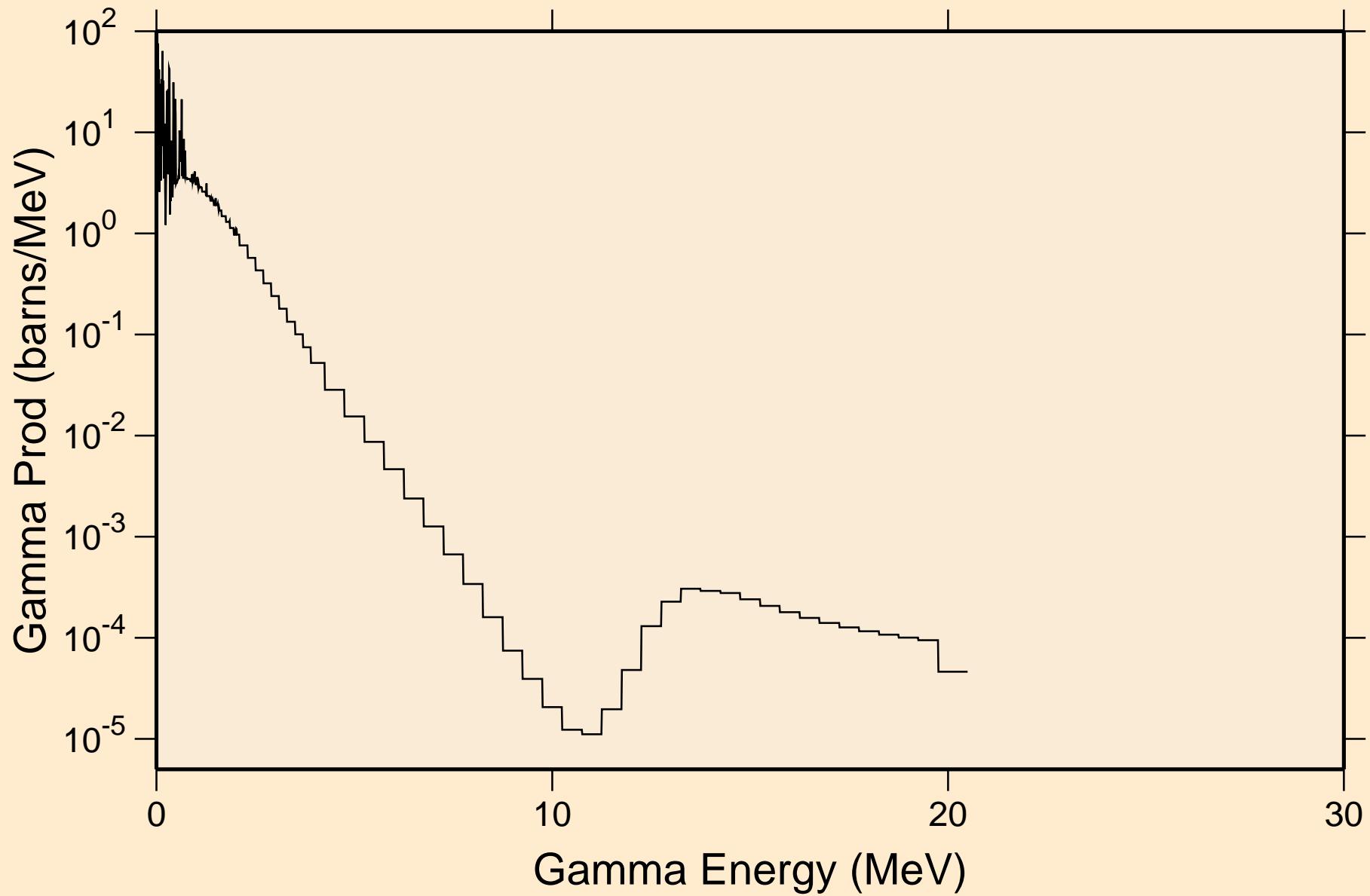
HG196 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



HG196 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

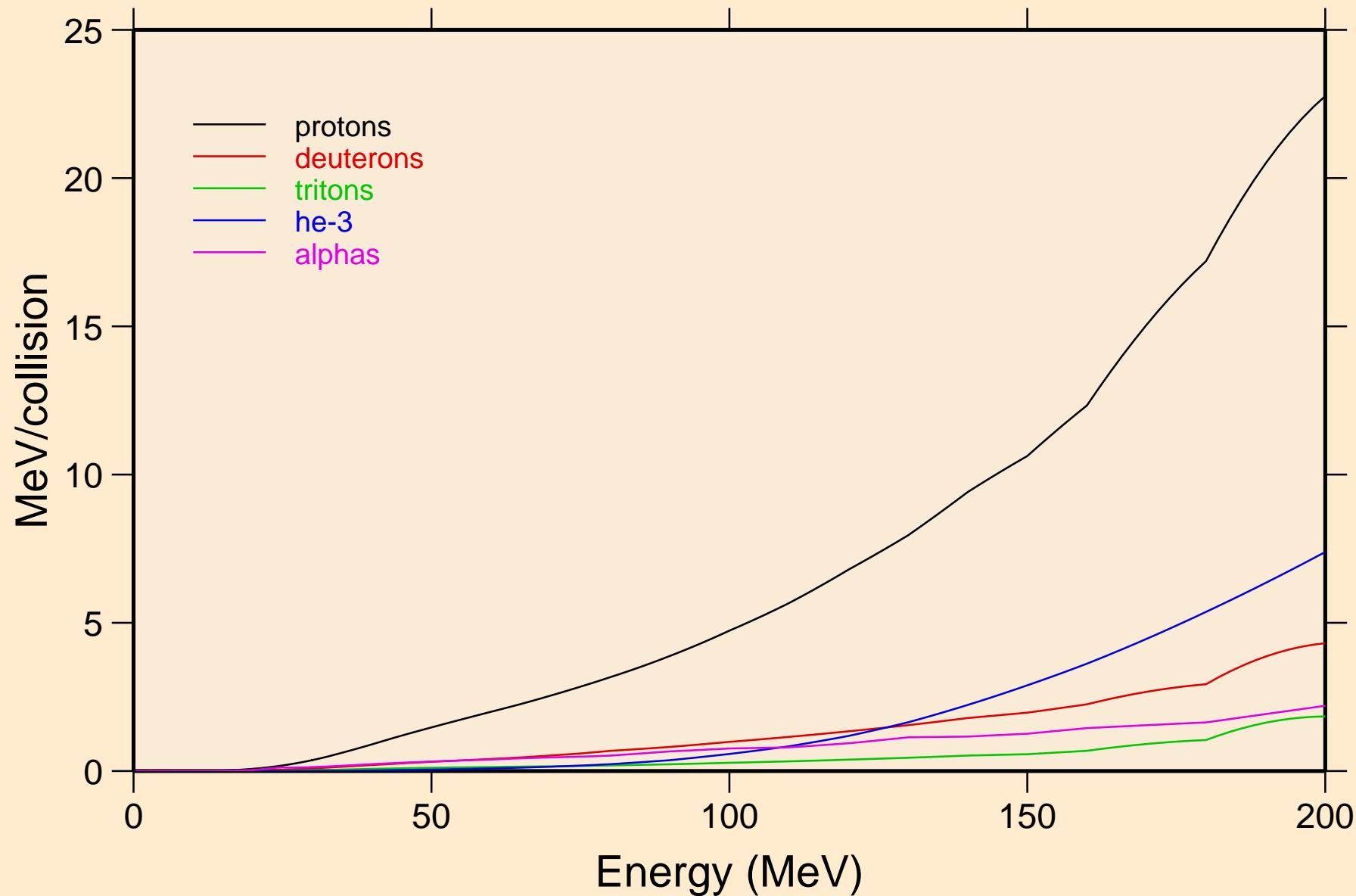


HG196 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



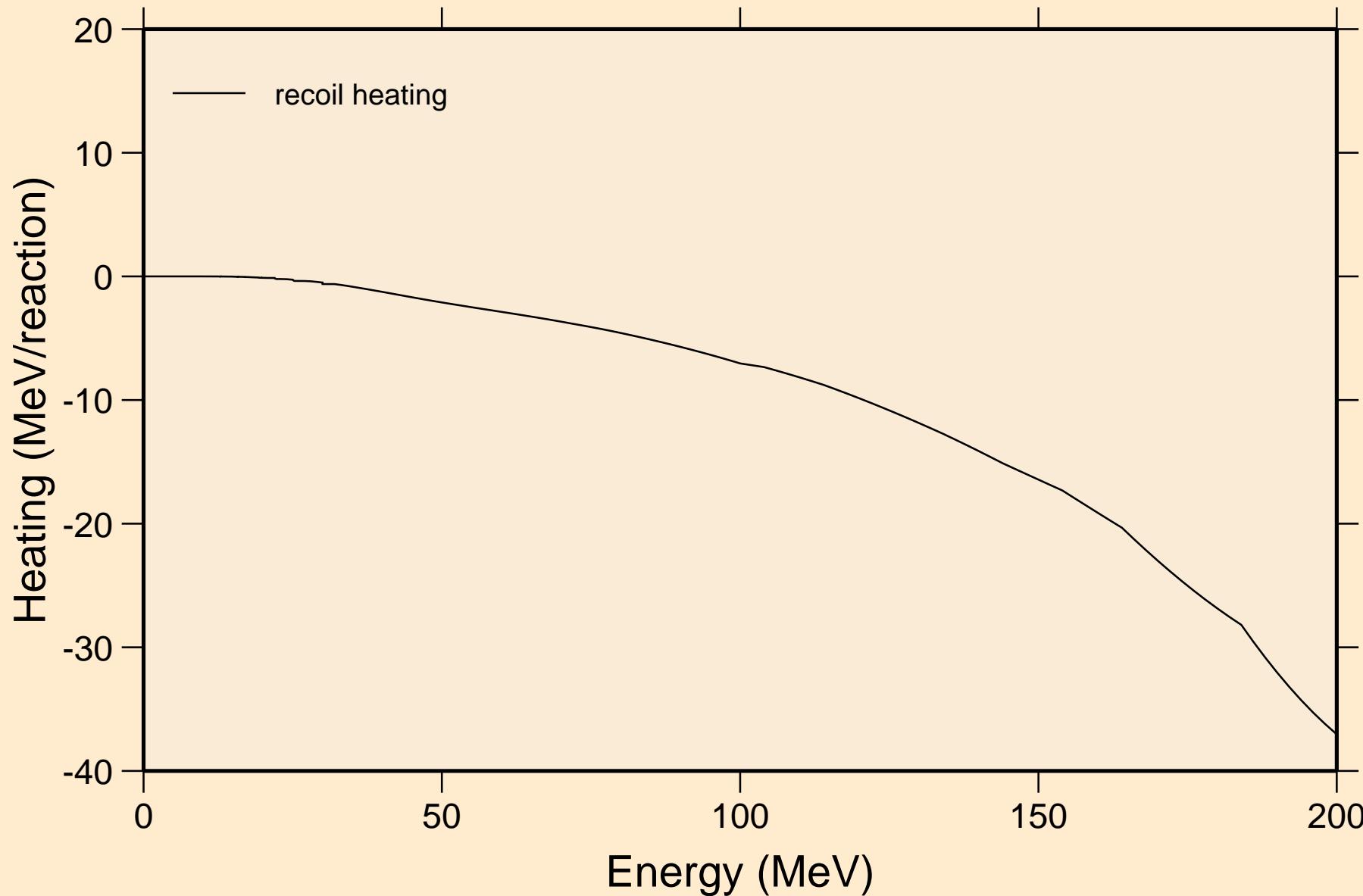
# HG196 NRG TENDL-2015, AKONING

## Particle heating contributions



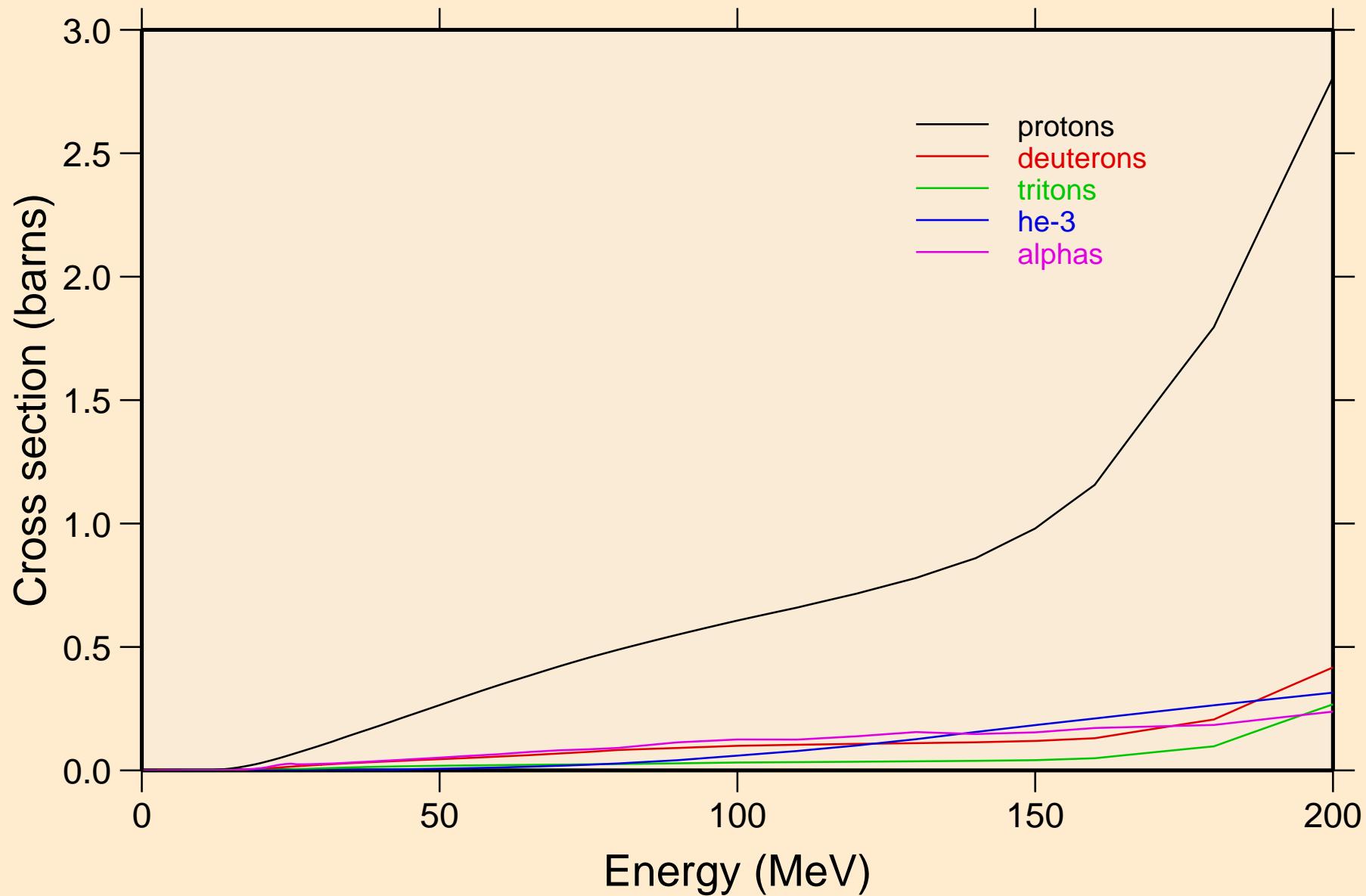
# HG196 NRG TENDL-2015, AKONING

## Recoil Heating

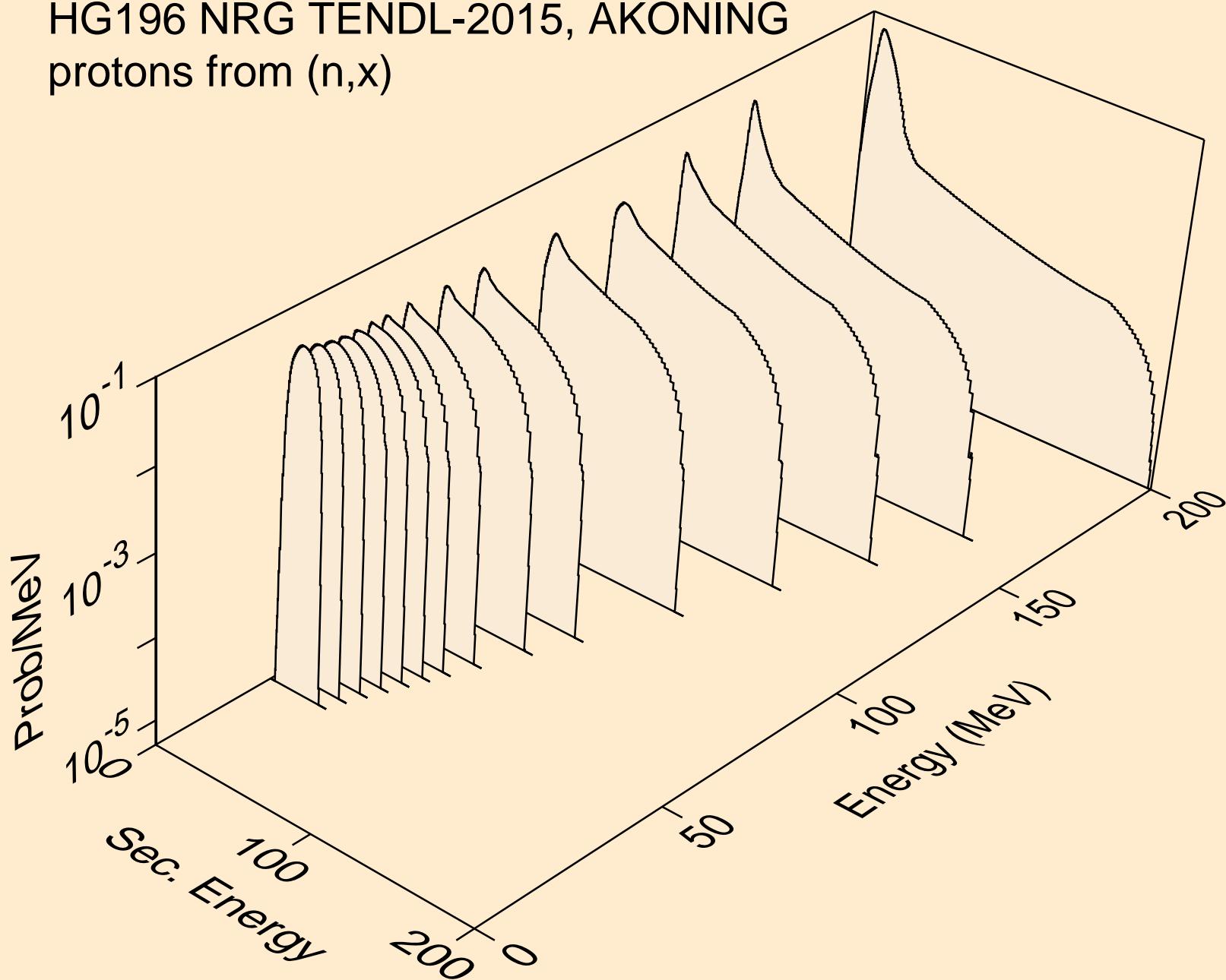


# HG196 NRG TENDL-2015, AKONING

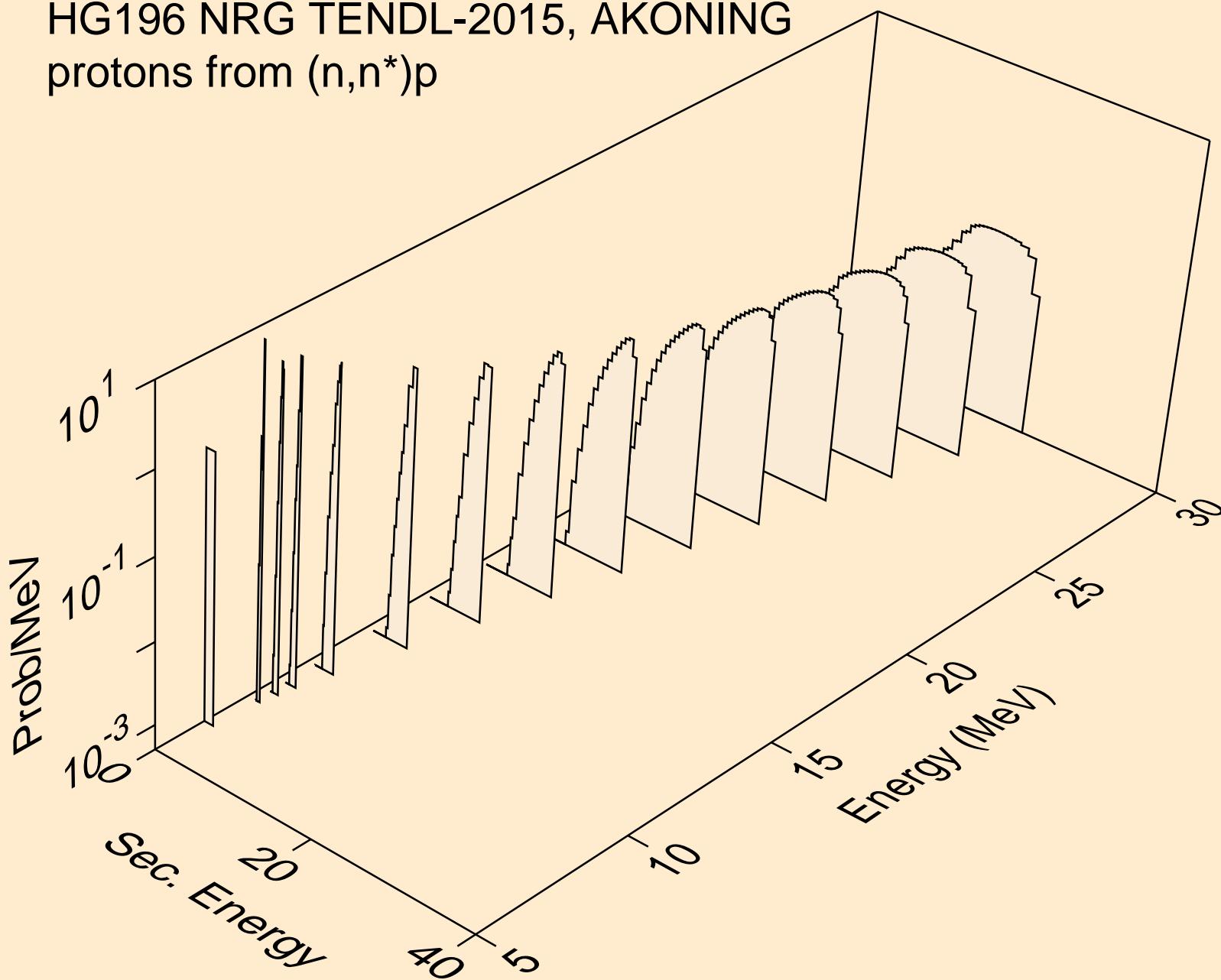
## Particle production cross sections



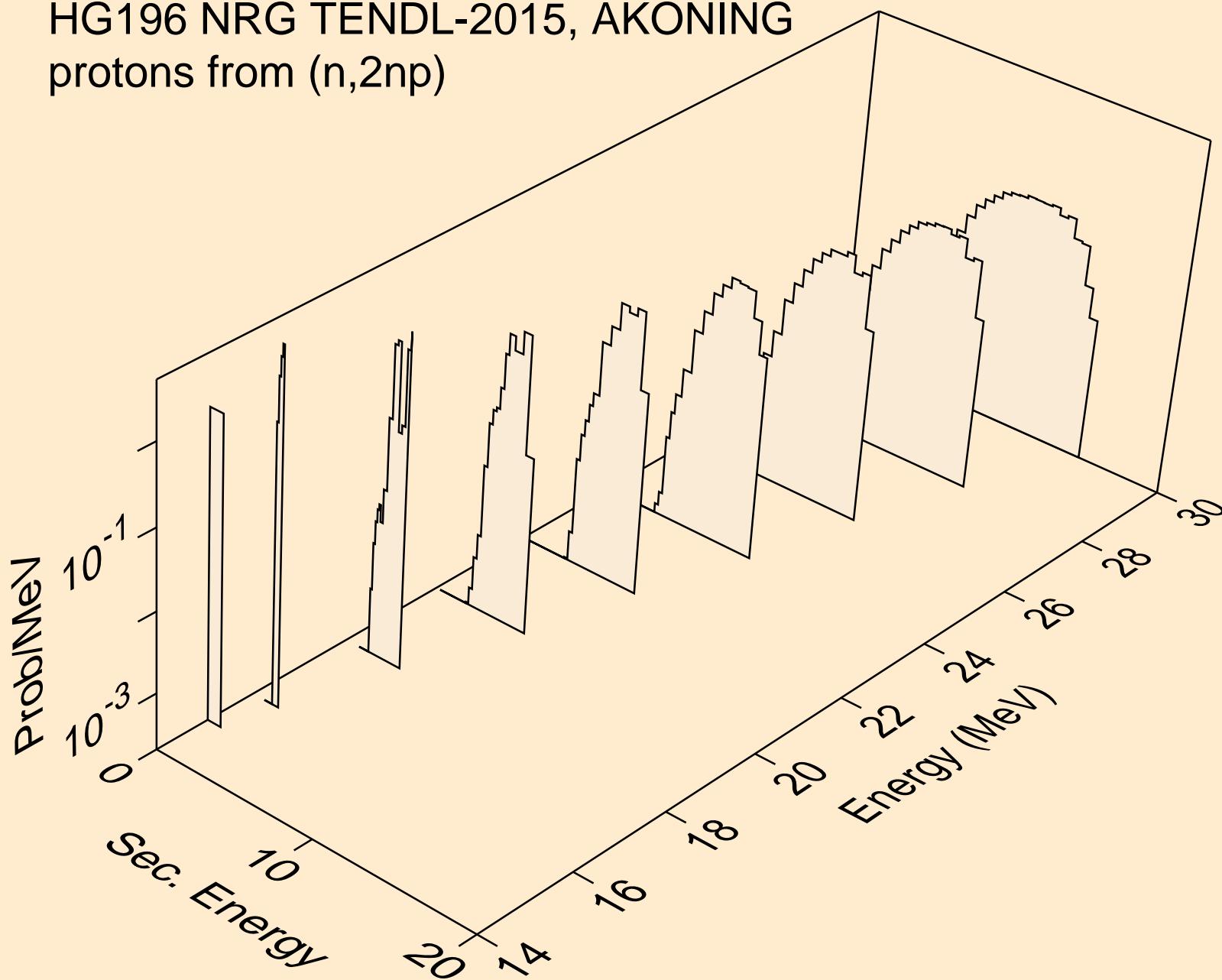
HG196 NRG TENDL-2015, AKONING  
protons from ( $n, x$ )



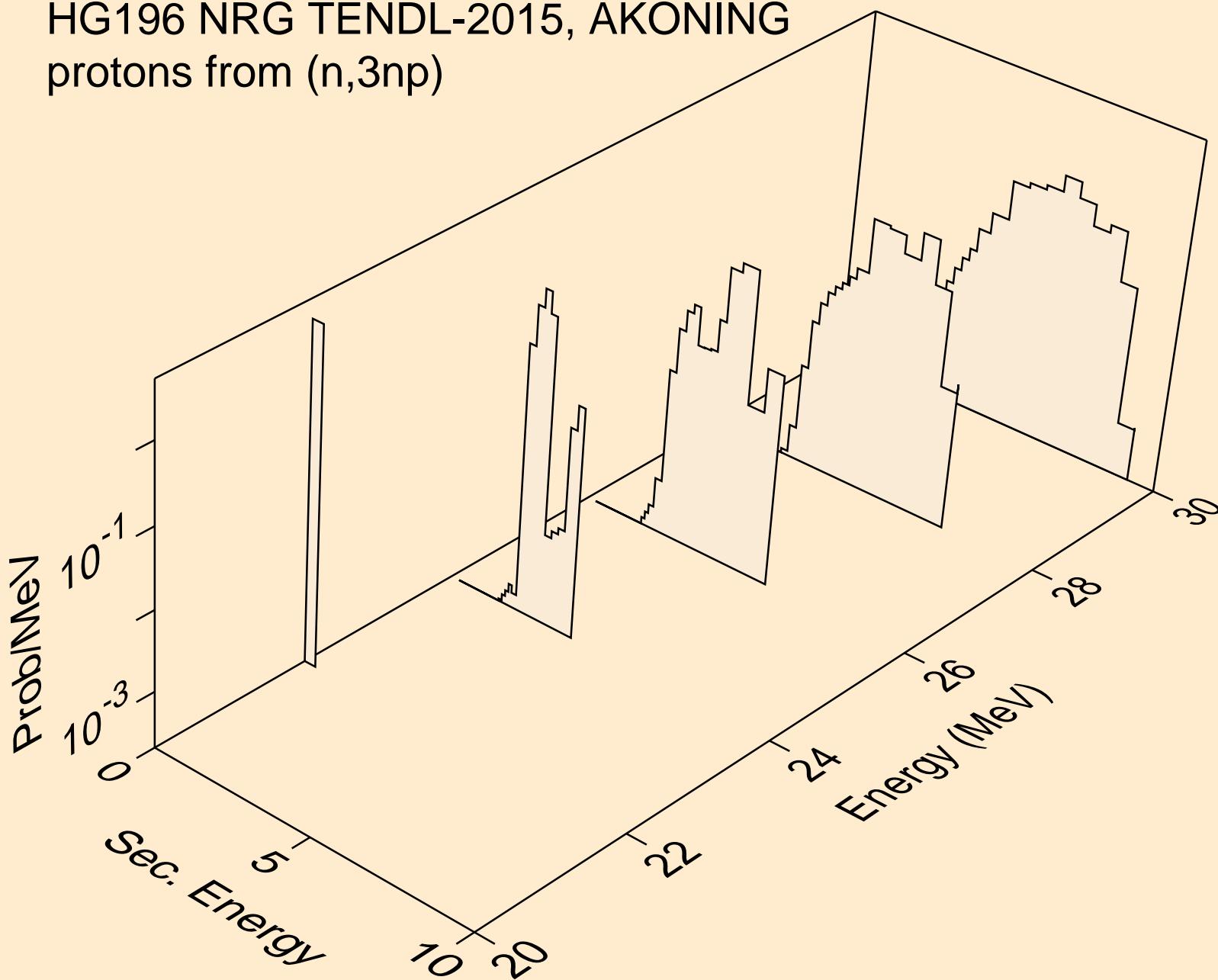
HG196 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



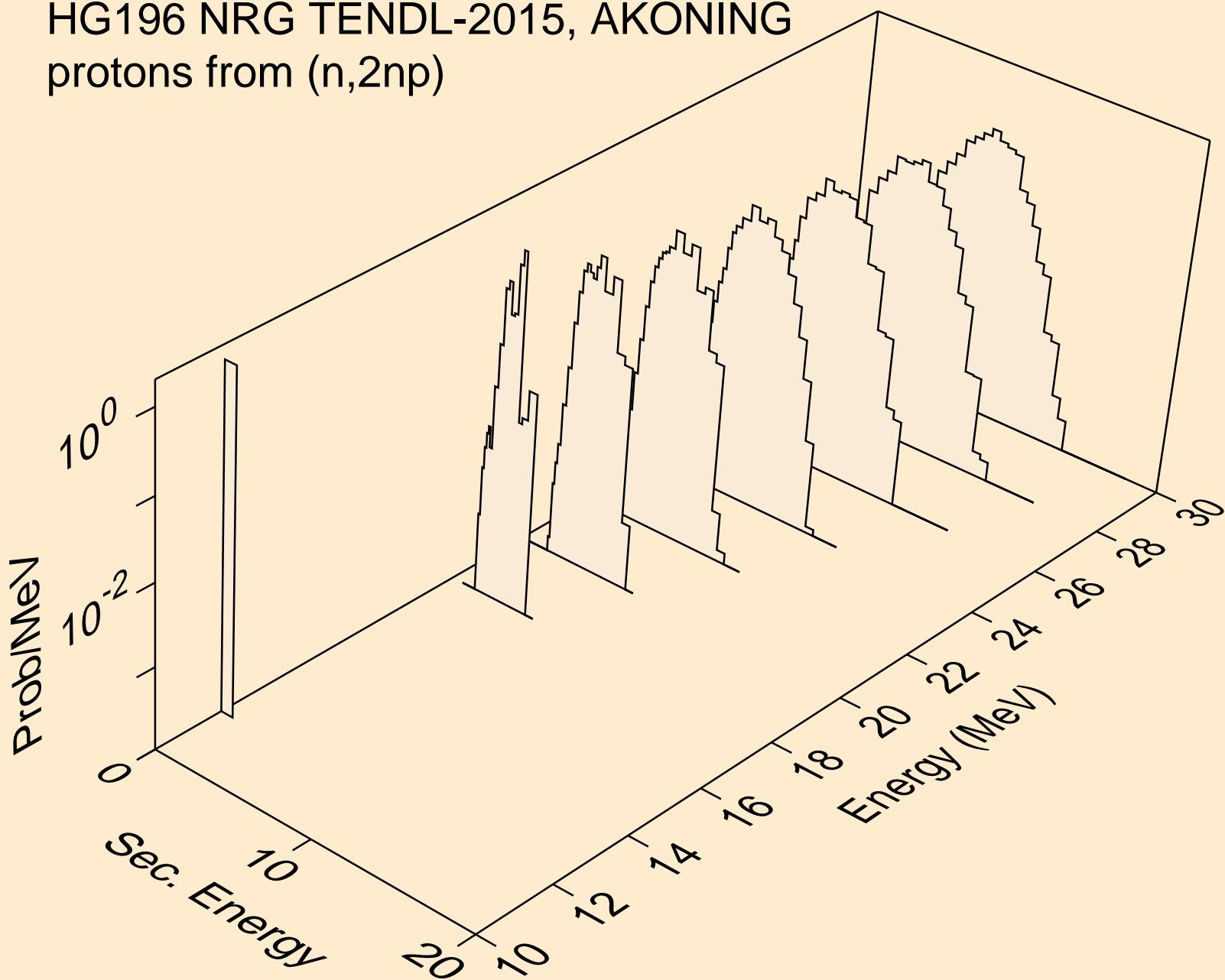
HG196 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



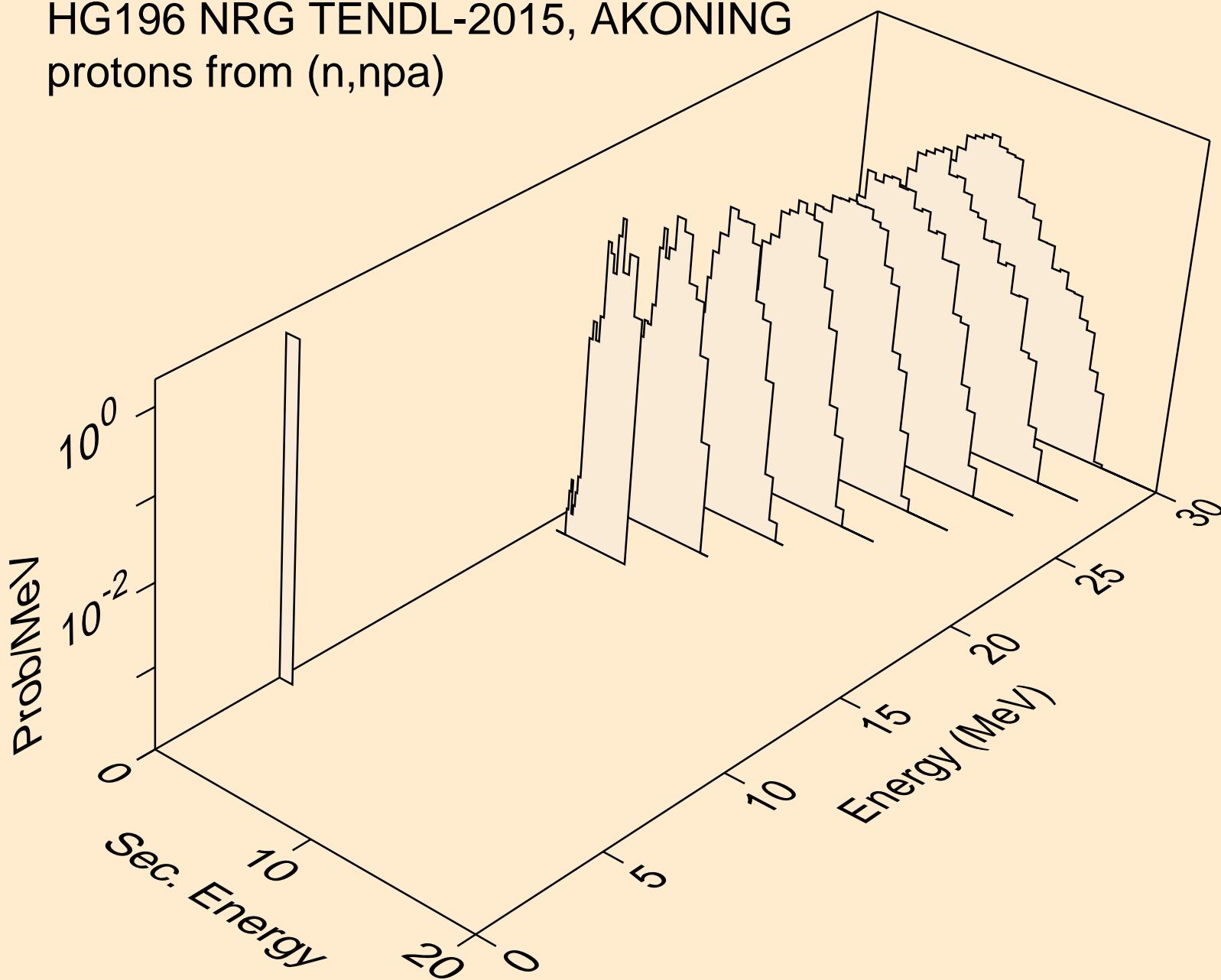
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protons from ( $n,3np$ )



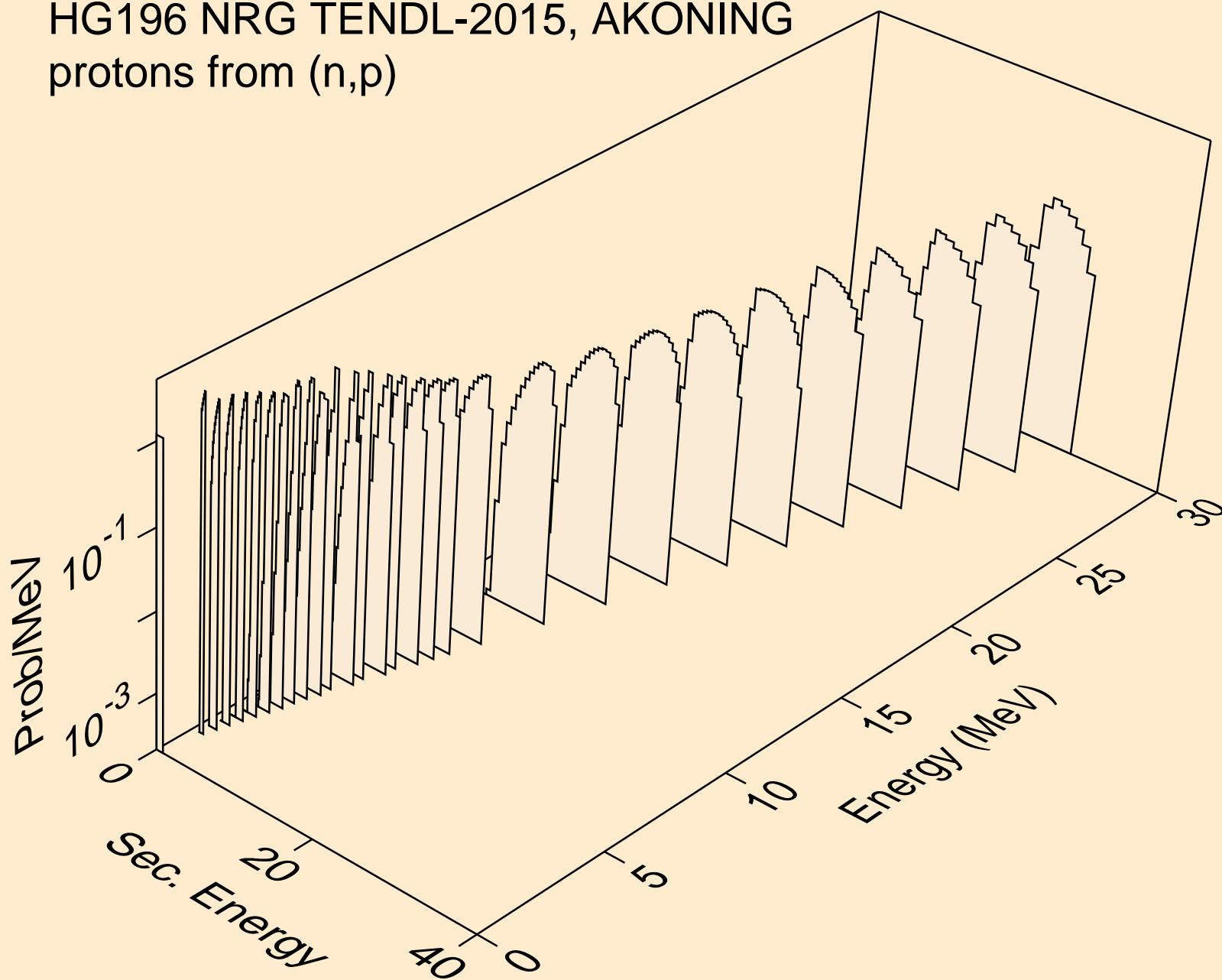
HG196 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



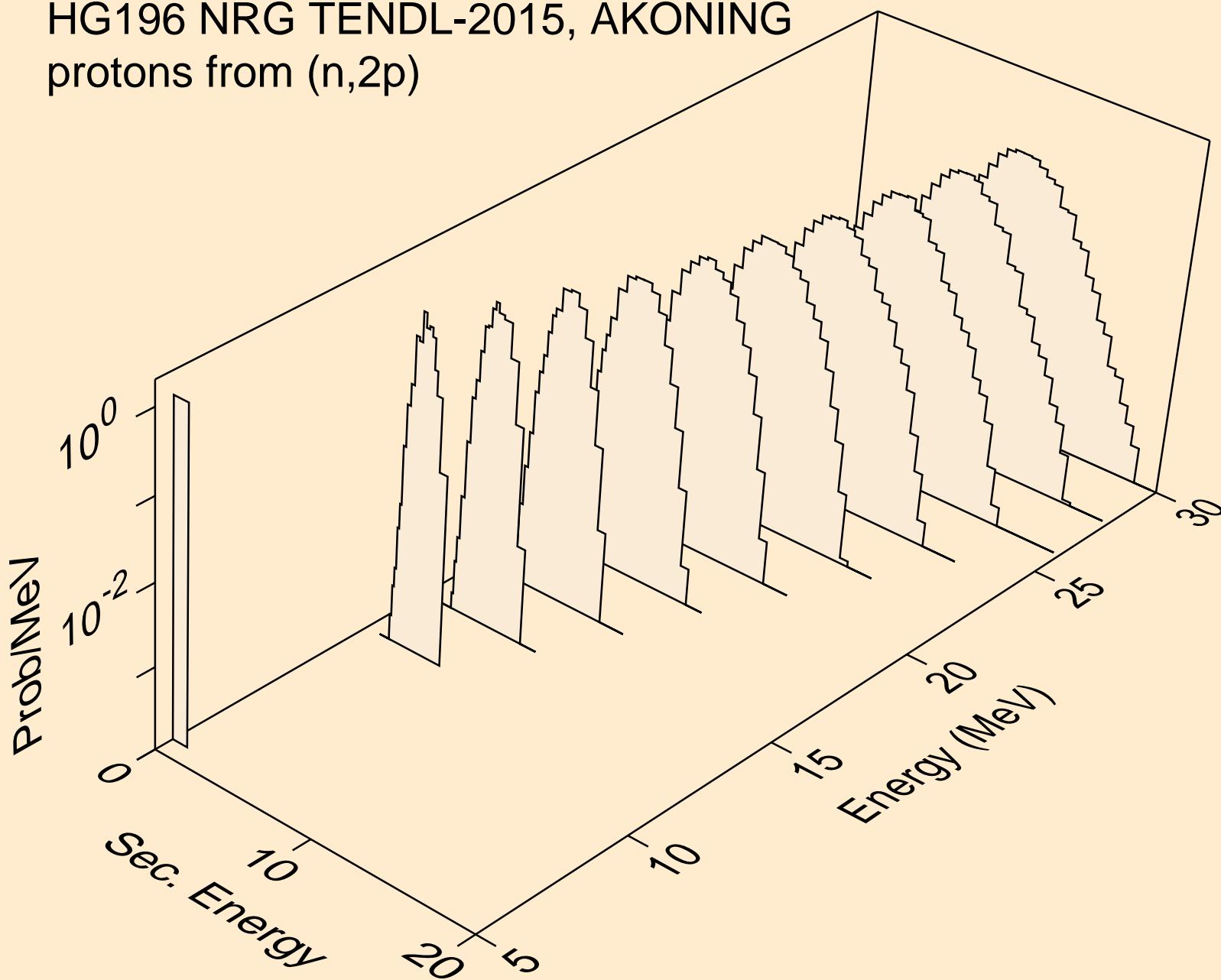
HG196 NRG TENDL-2015, AKONING  
protons from (n,npa)



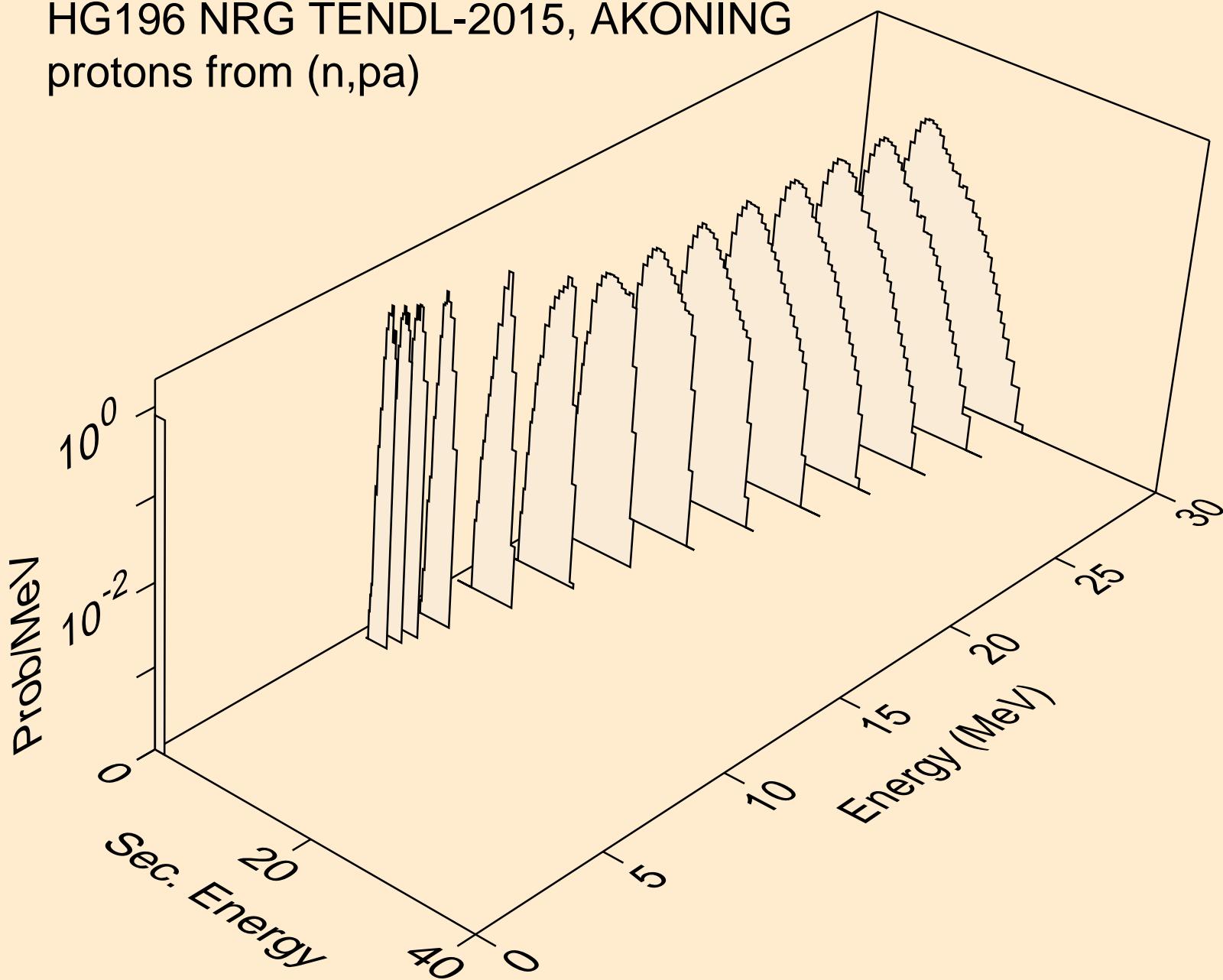
HG196 NRG TENDL-2015, AKONING  
protons from (n,p)



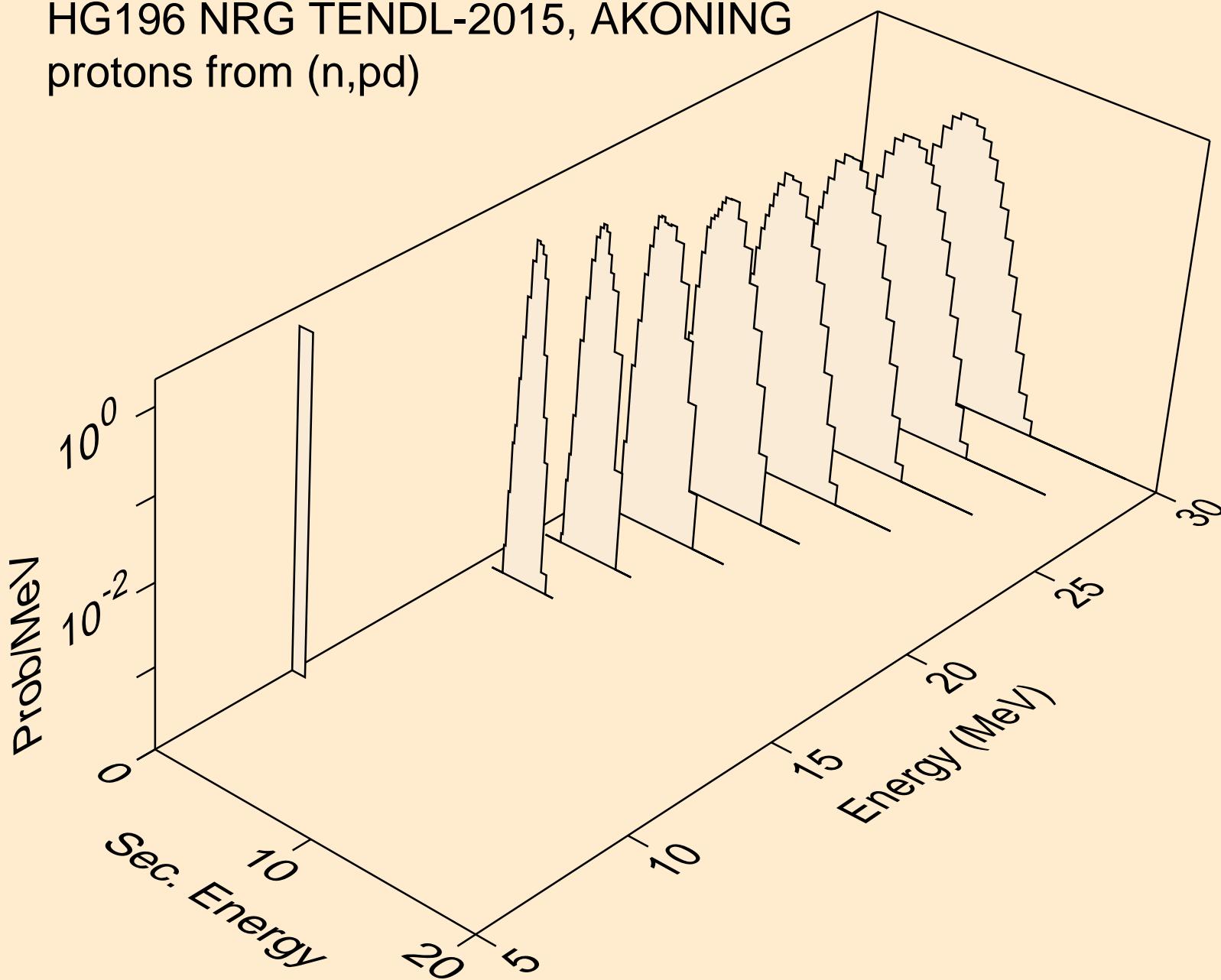
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protons from (n,2p)



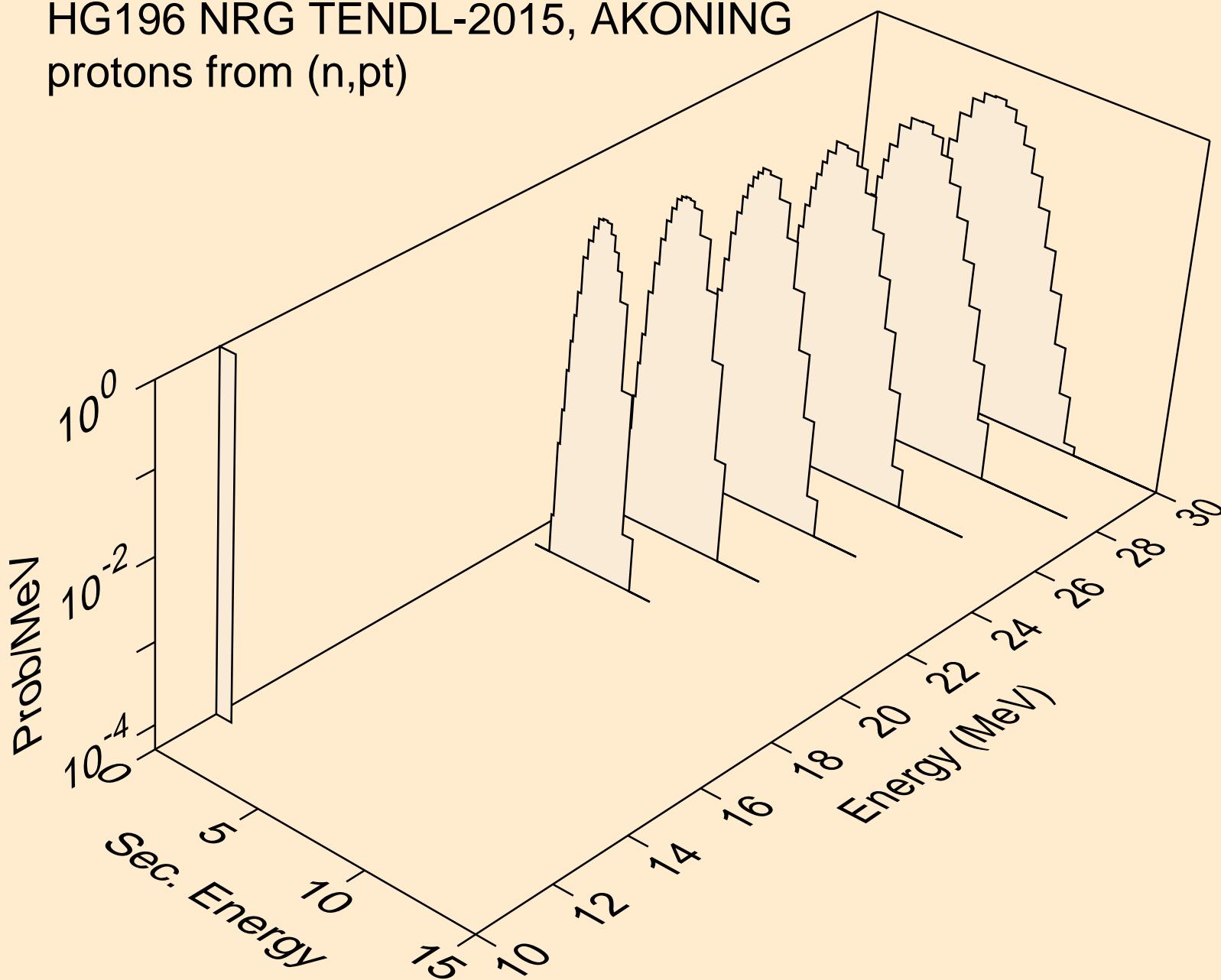
HG196 NRG TENDL-2015, AKONING  
protons from (n,pa)



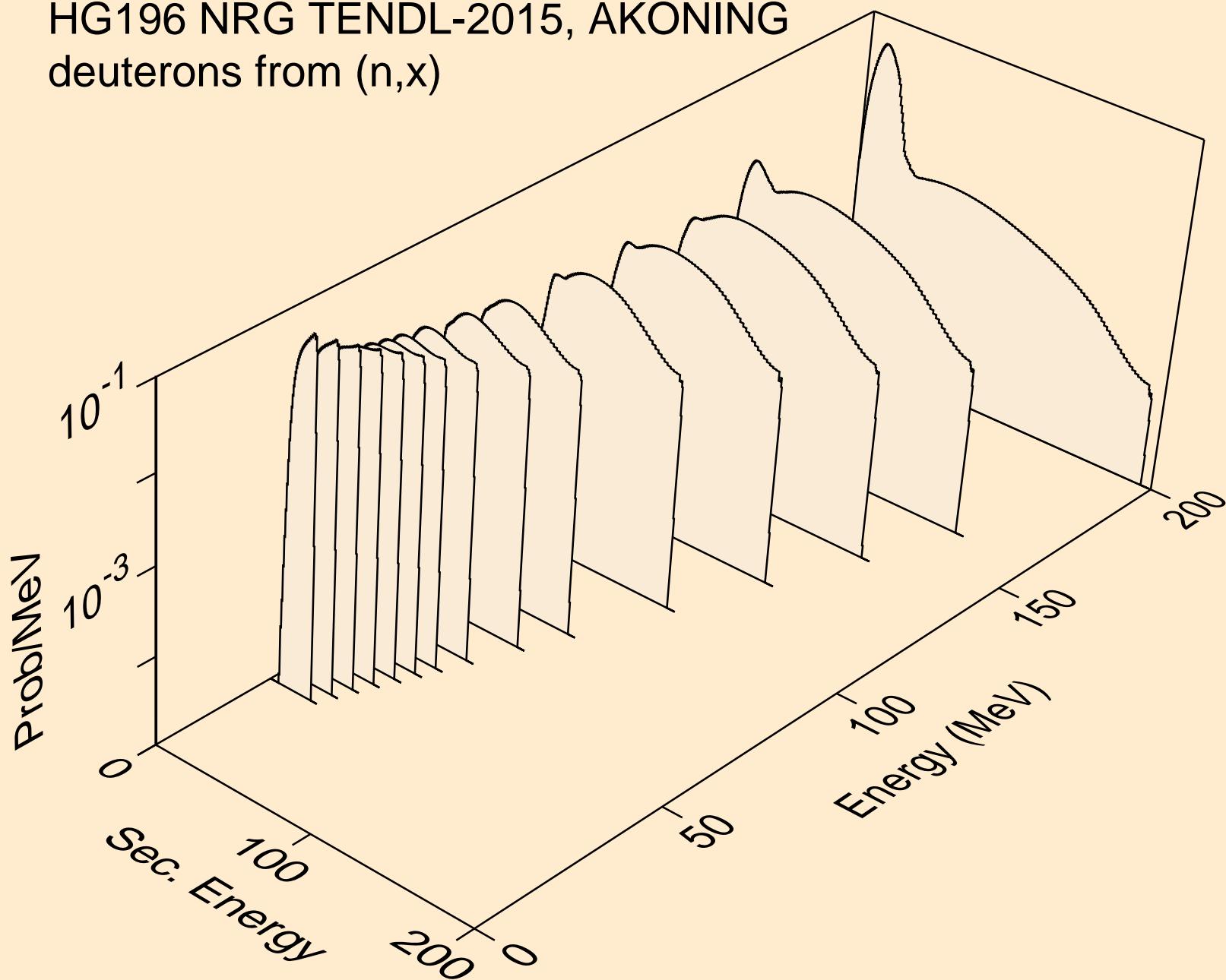
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protons from (n,pd)



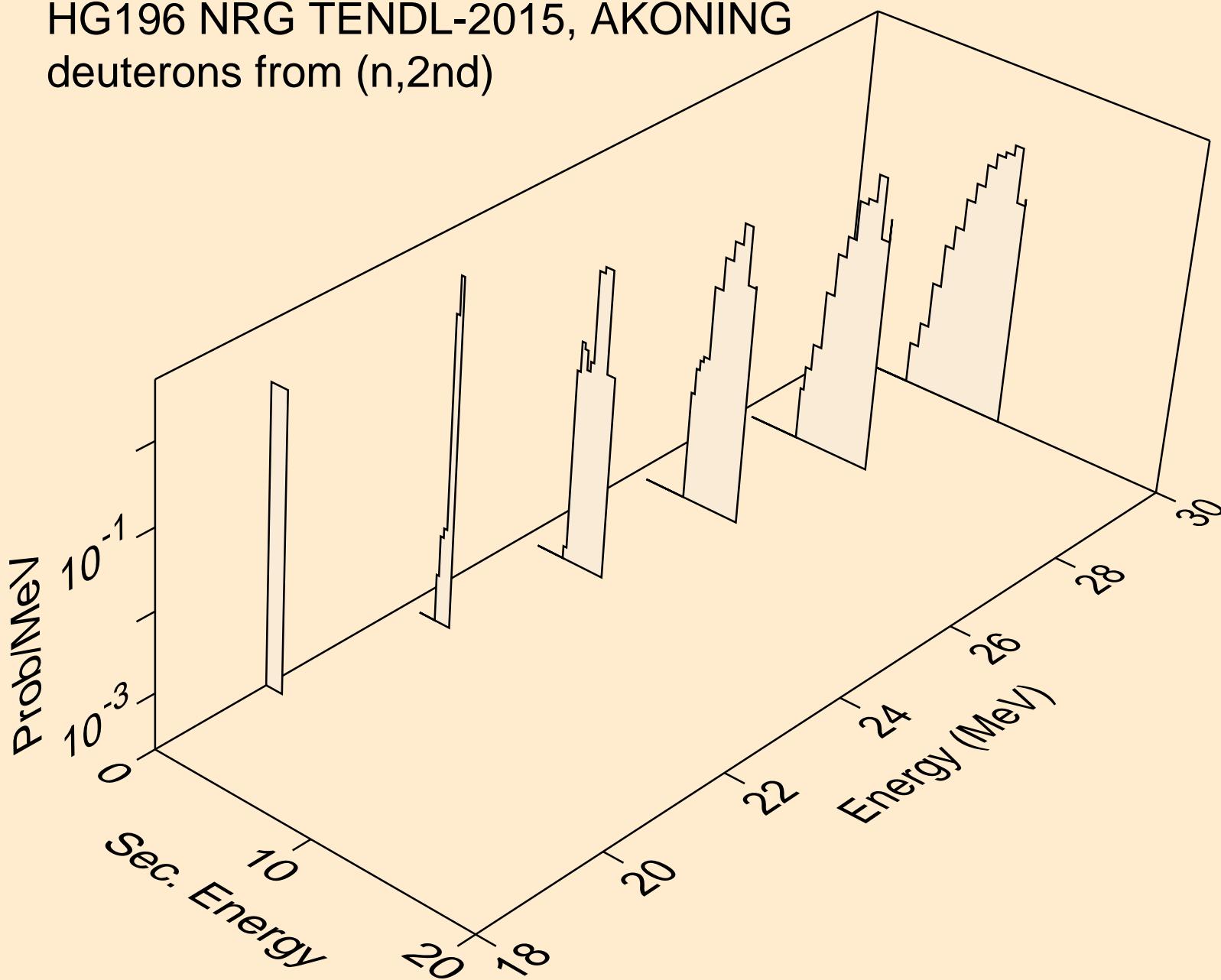
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protons from (n,pt)



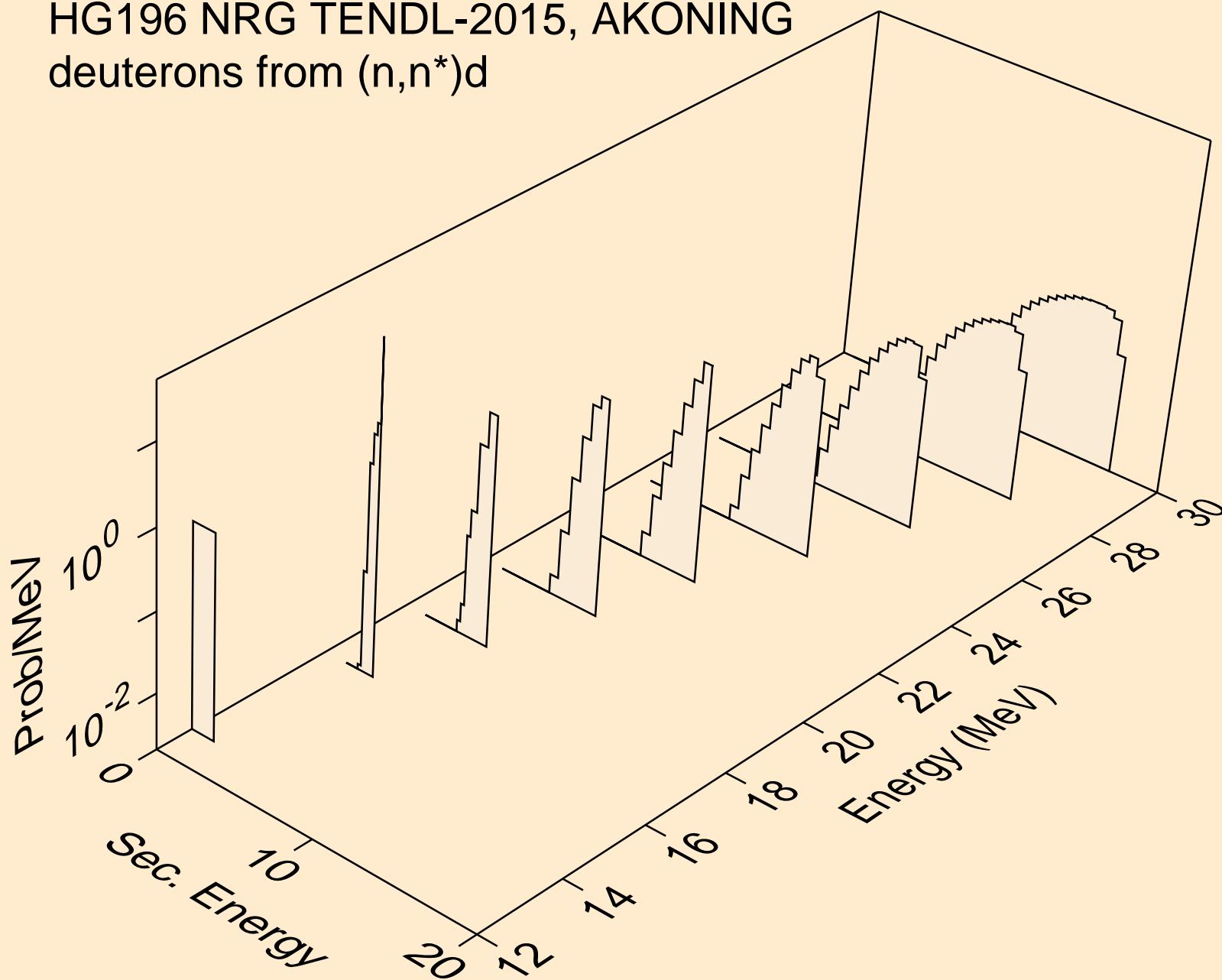
HG196 NRG TENDL-2015, AKONING  
deuterons from ( $n, x$ )



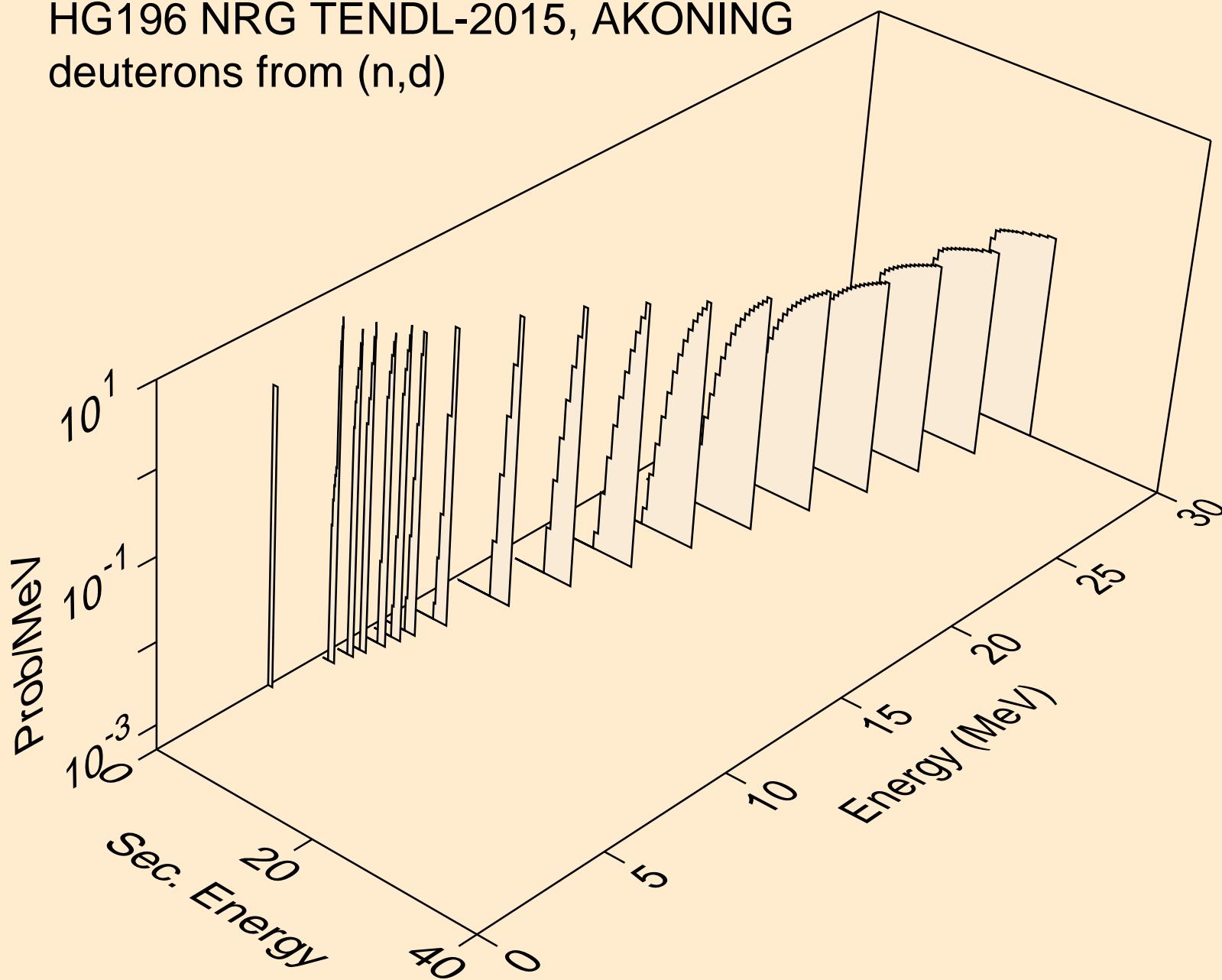
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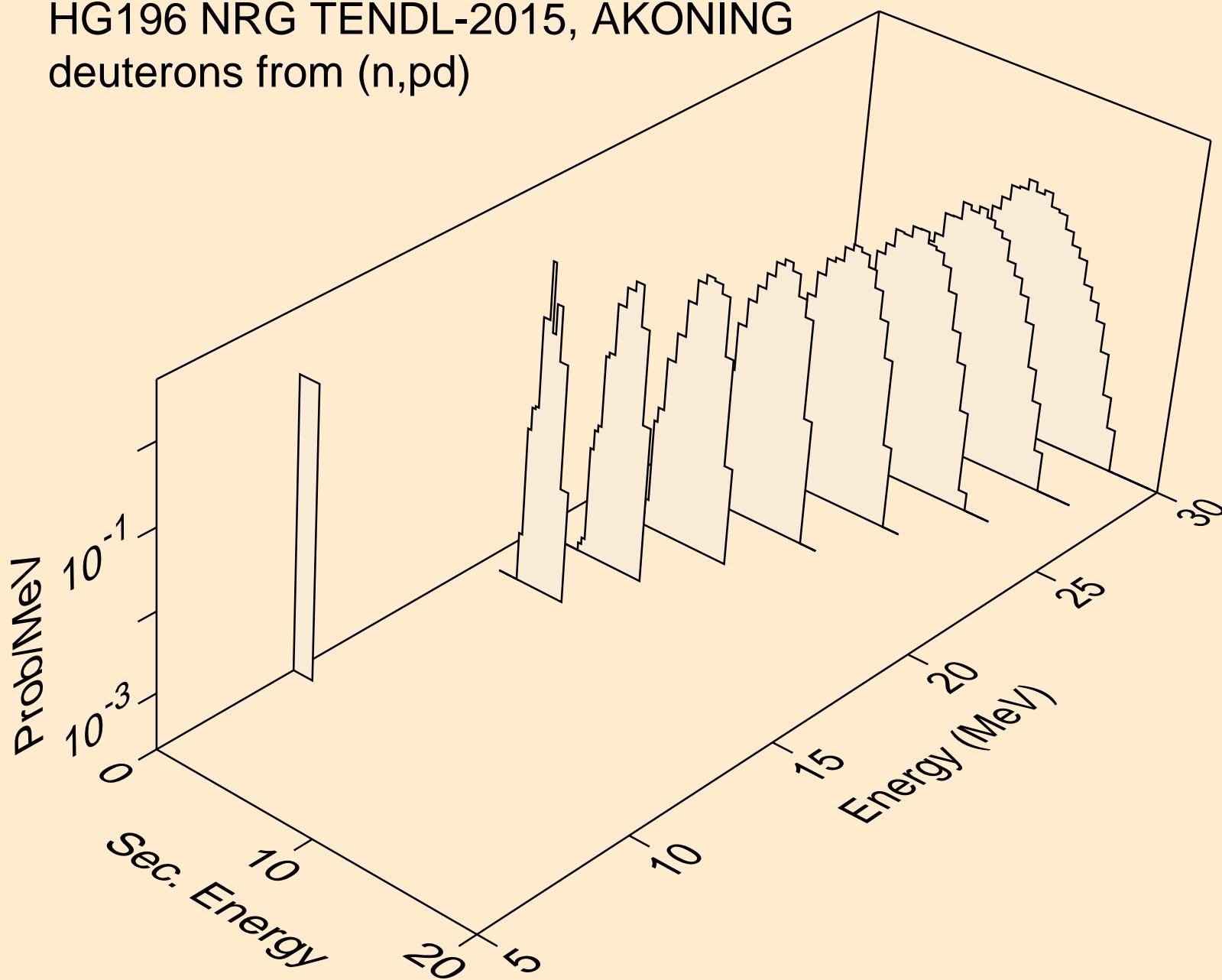
HG196 NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d$



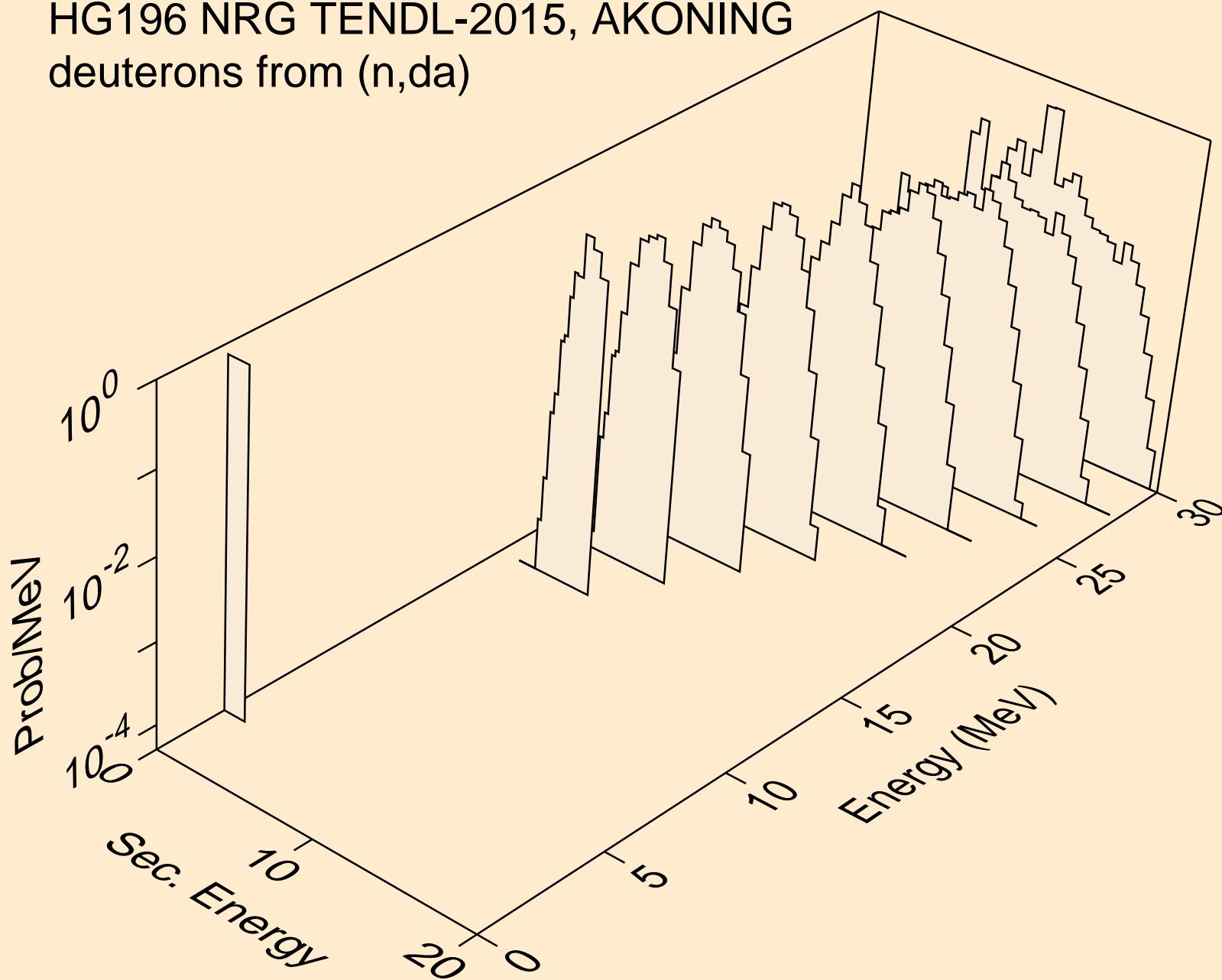
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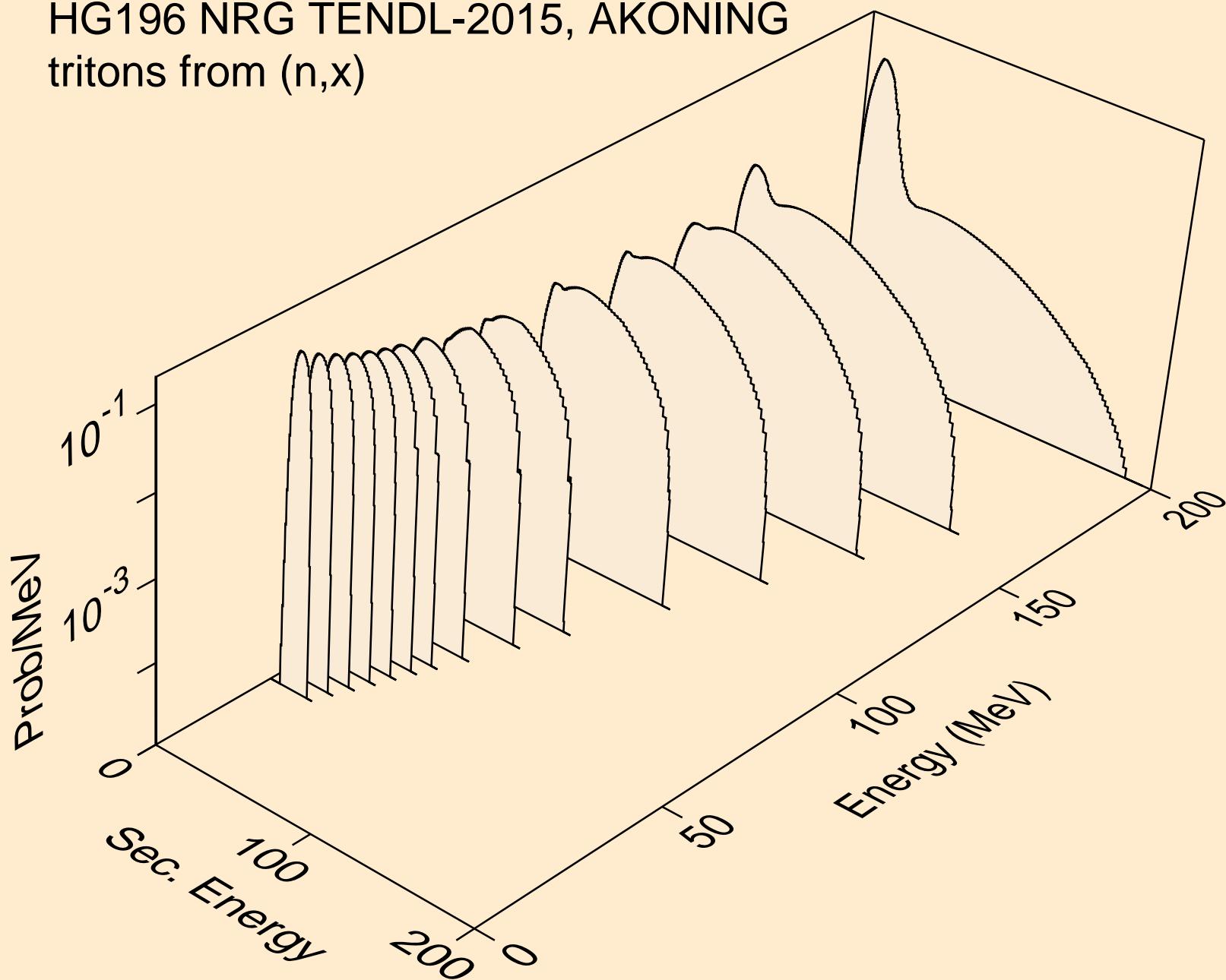
HG196 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



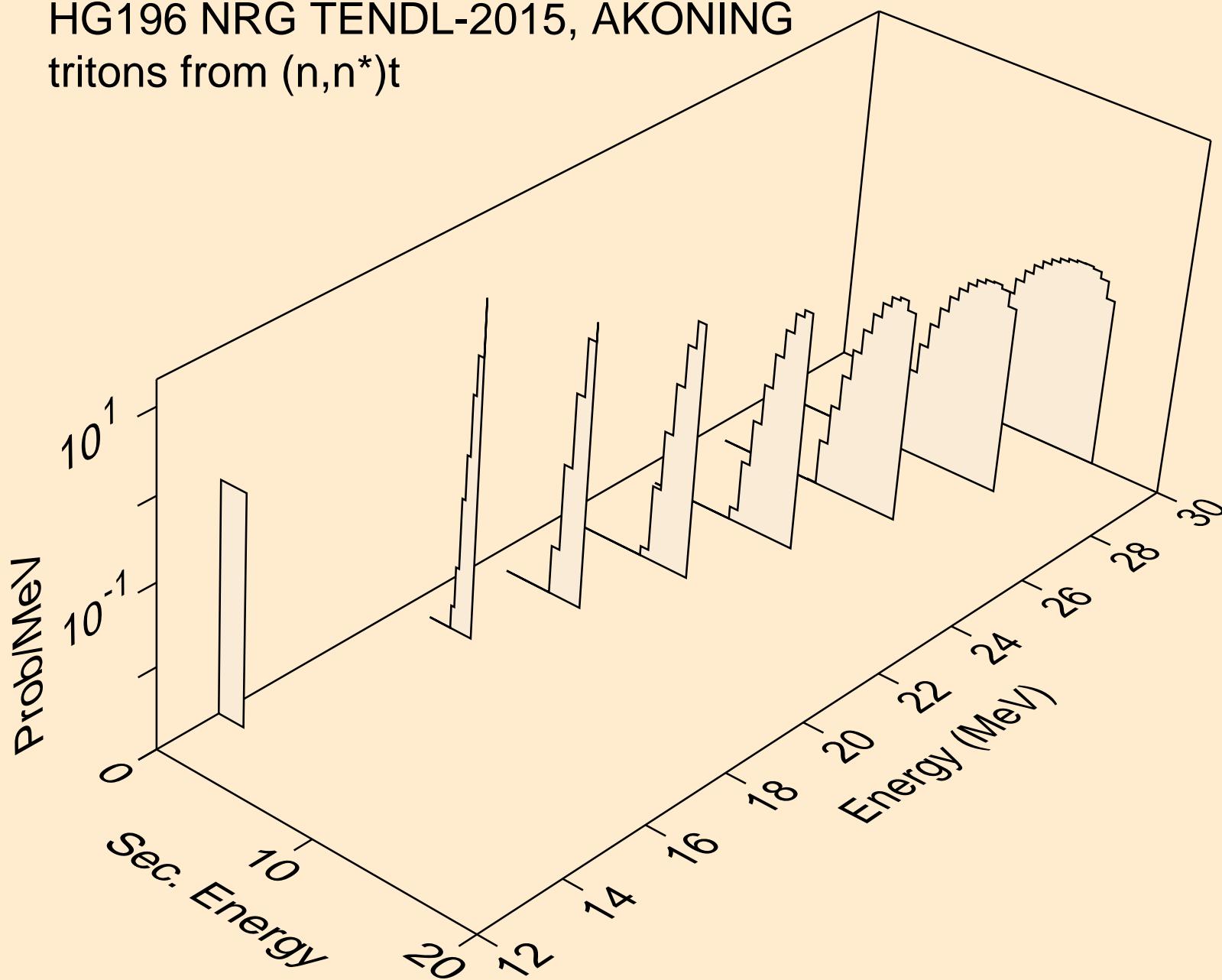
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deuterons from (n,da)



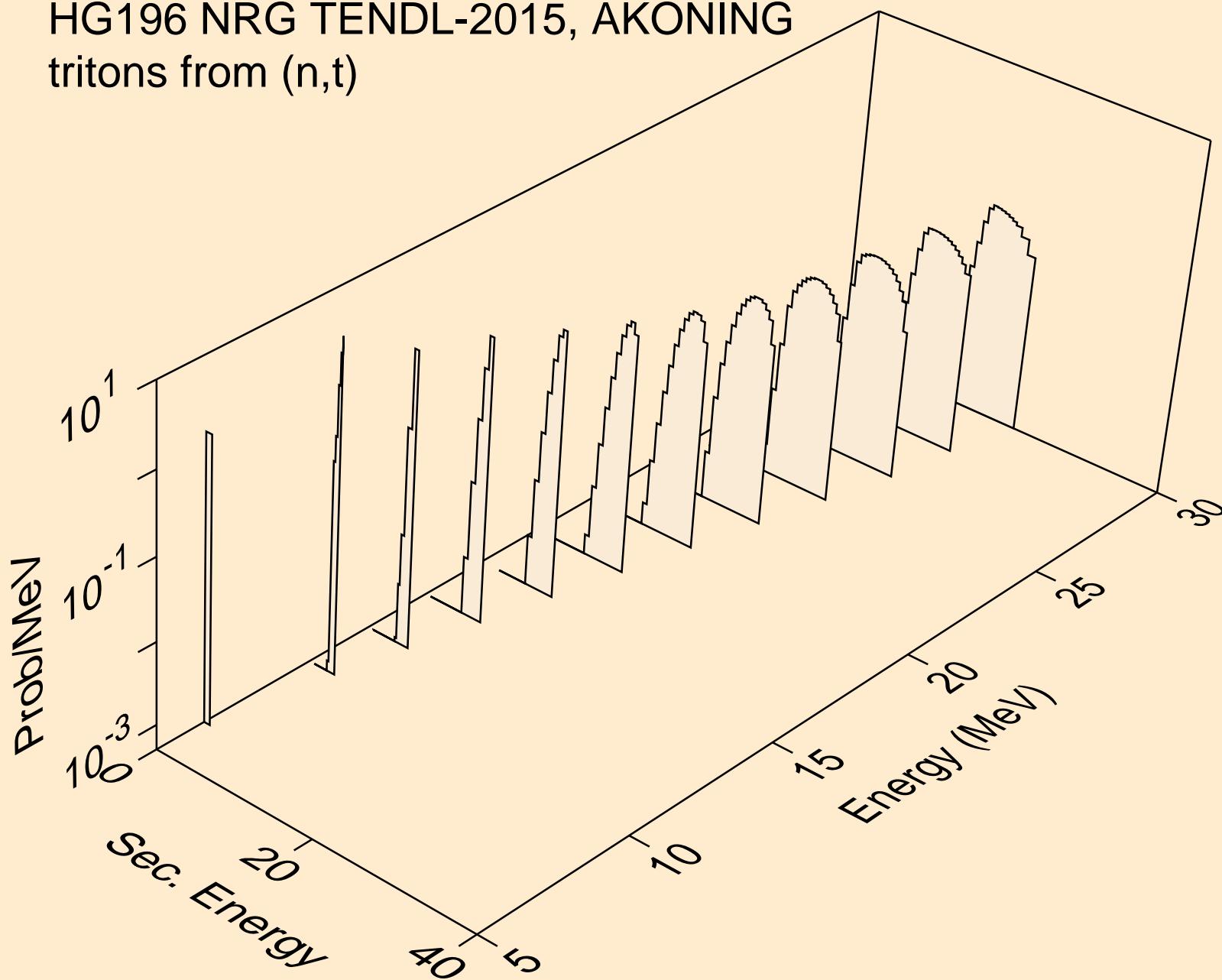
HG196 NRG TENDL-2015, AKONING  
tritons from ( $n,x$ )



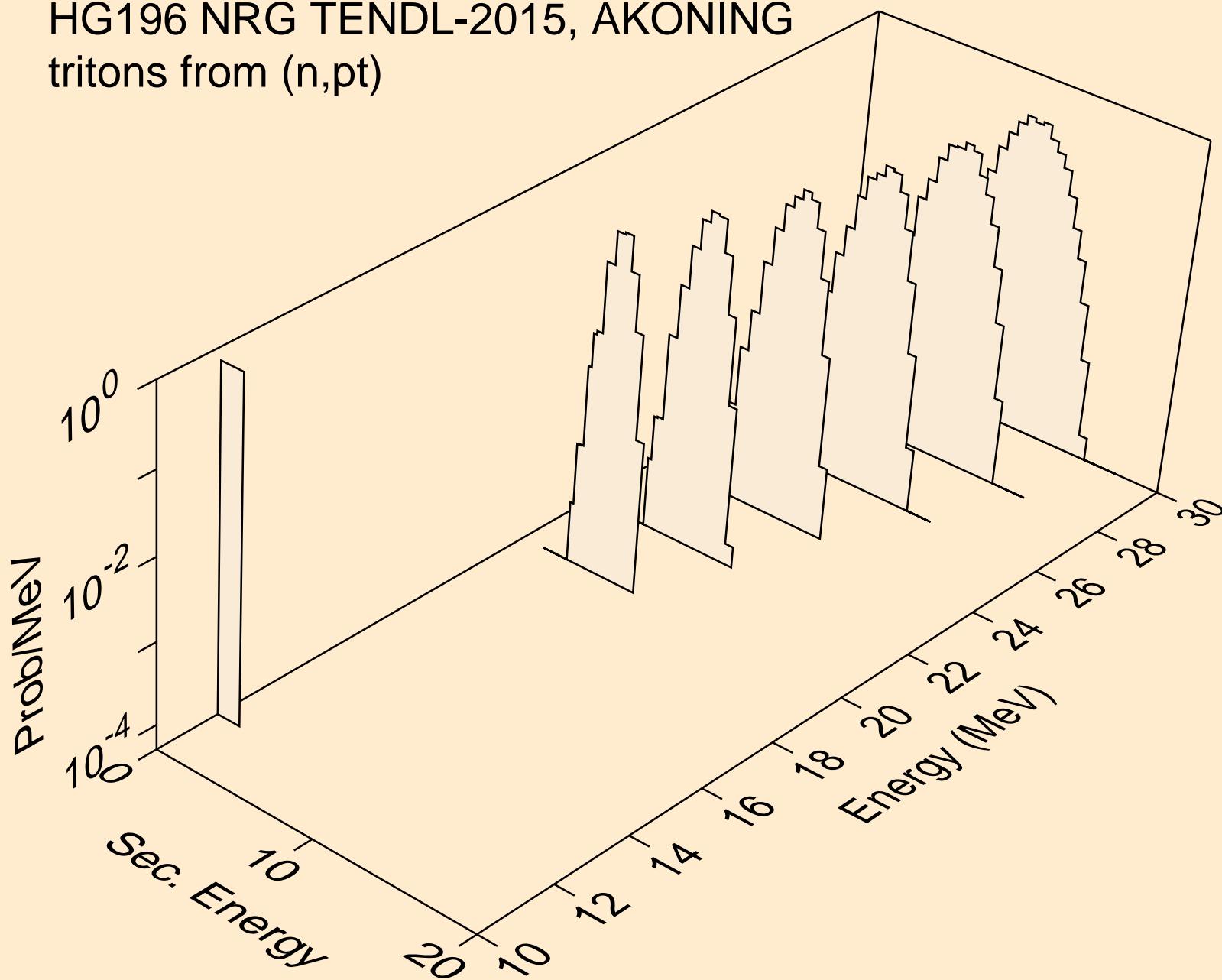
HG196 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



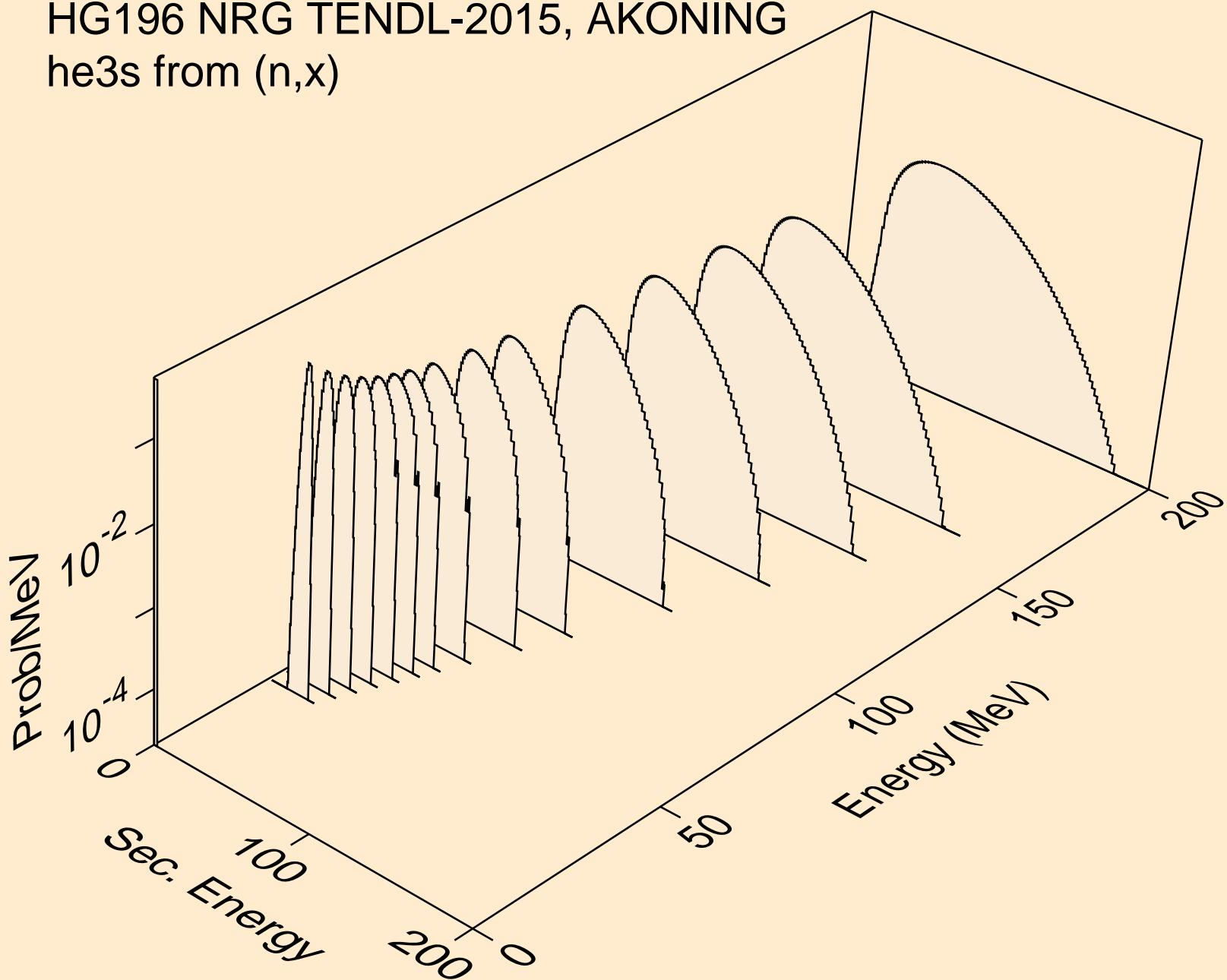
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tritons from (n,t)



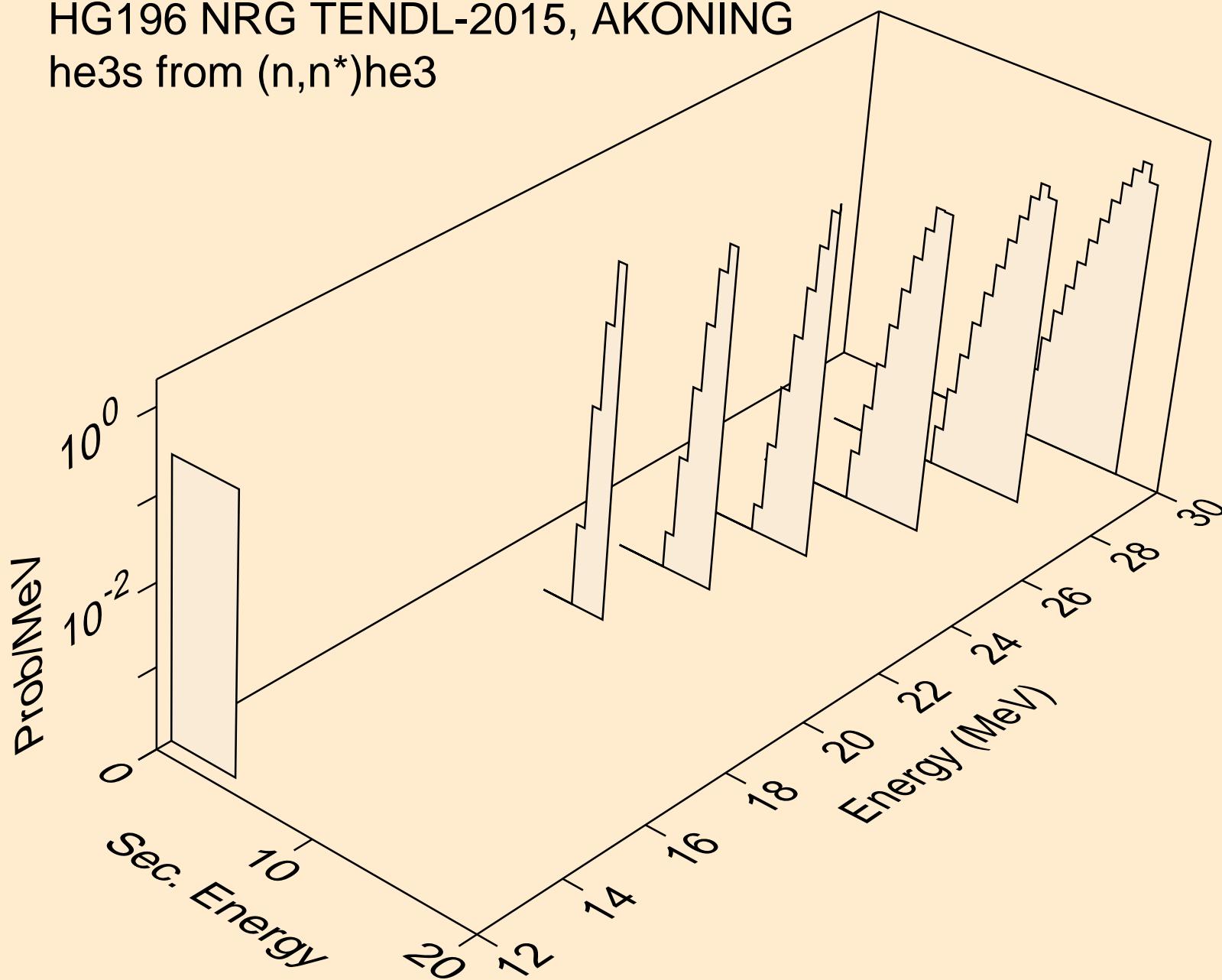
HG196 NRG TENDL-2015, AKONING  
tritons from (n,pt)



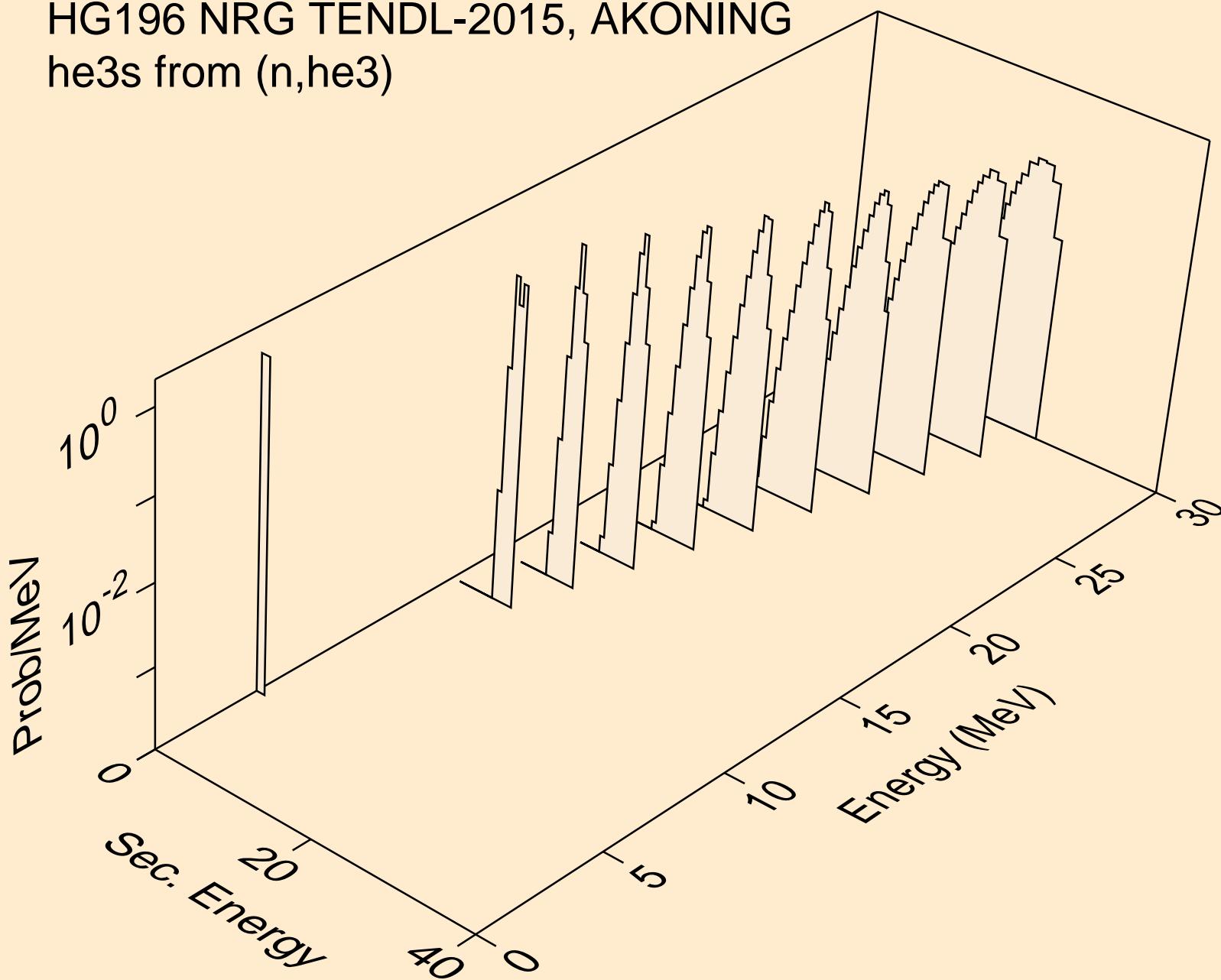
HG196 NRG TENDL-2015, AKONING  
he3s from (n,x)



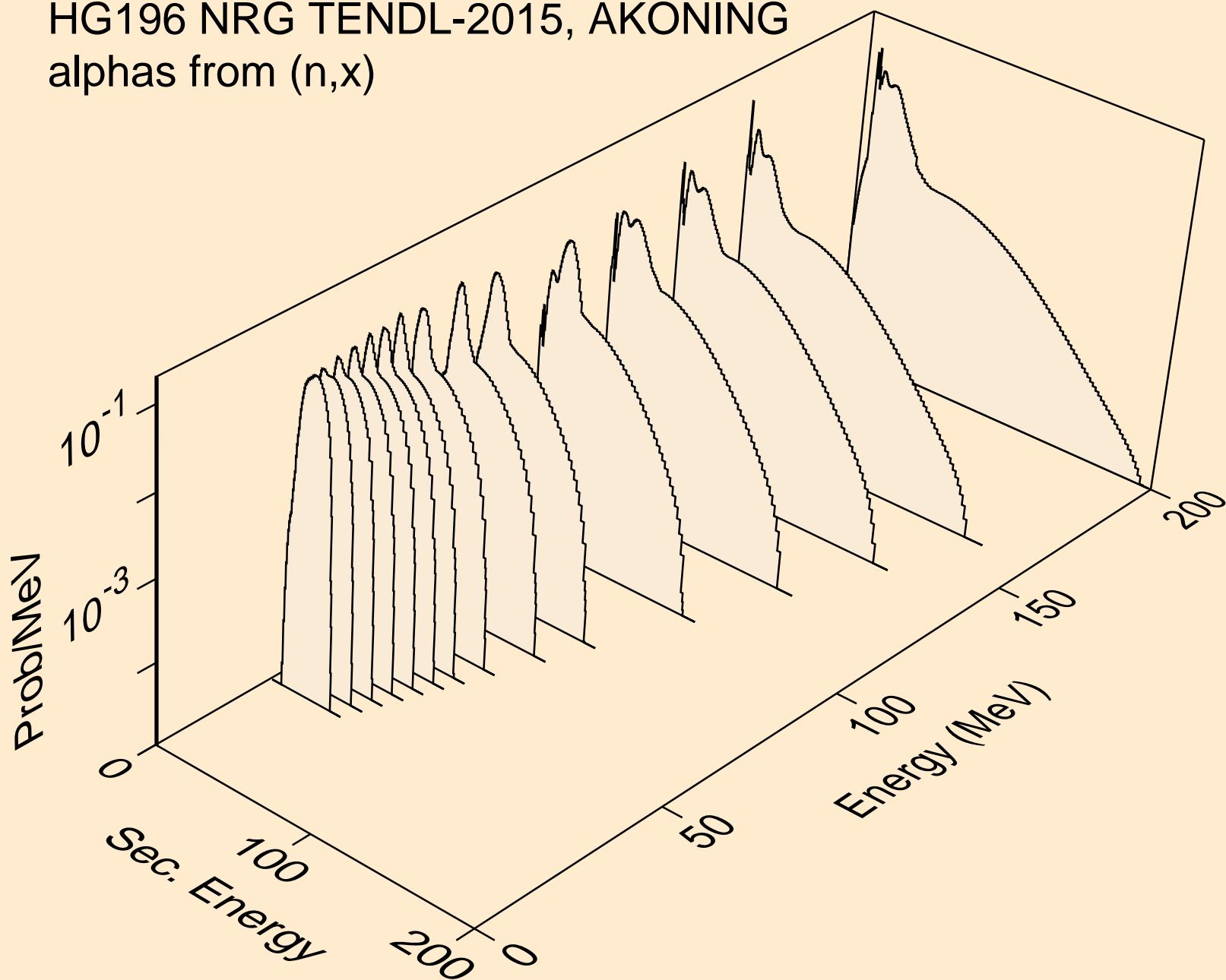
HG196 NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



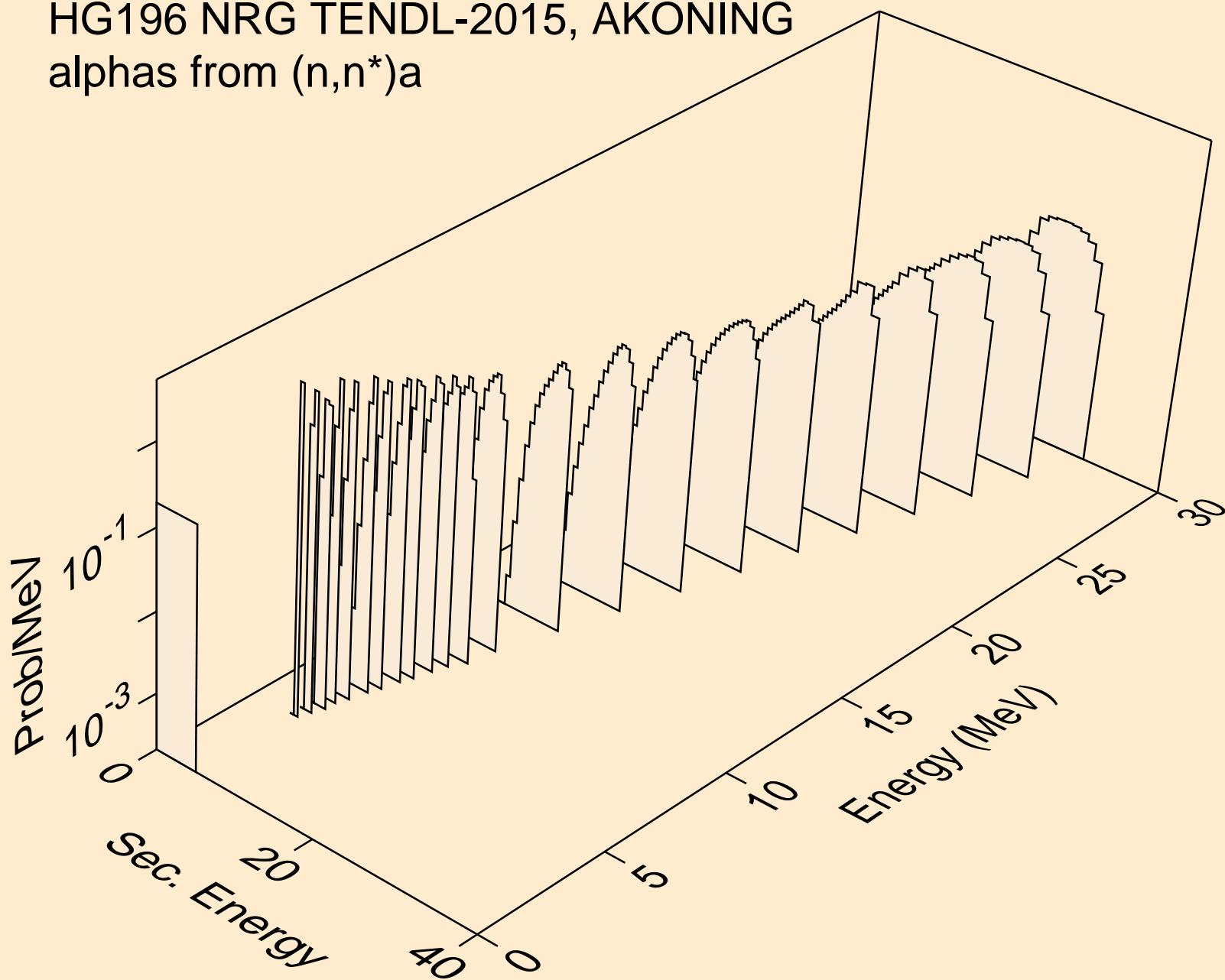
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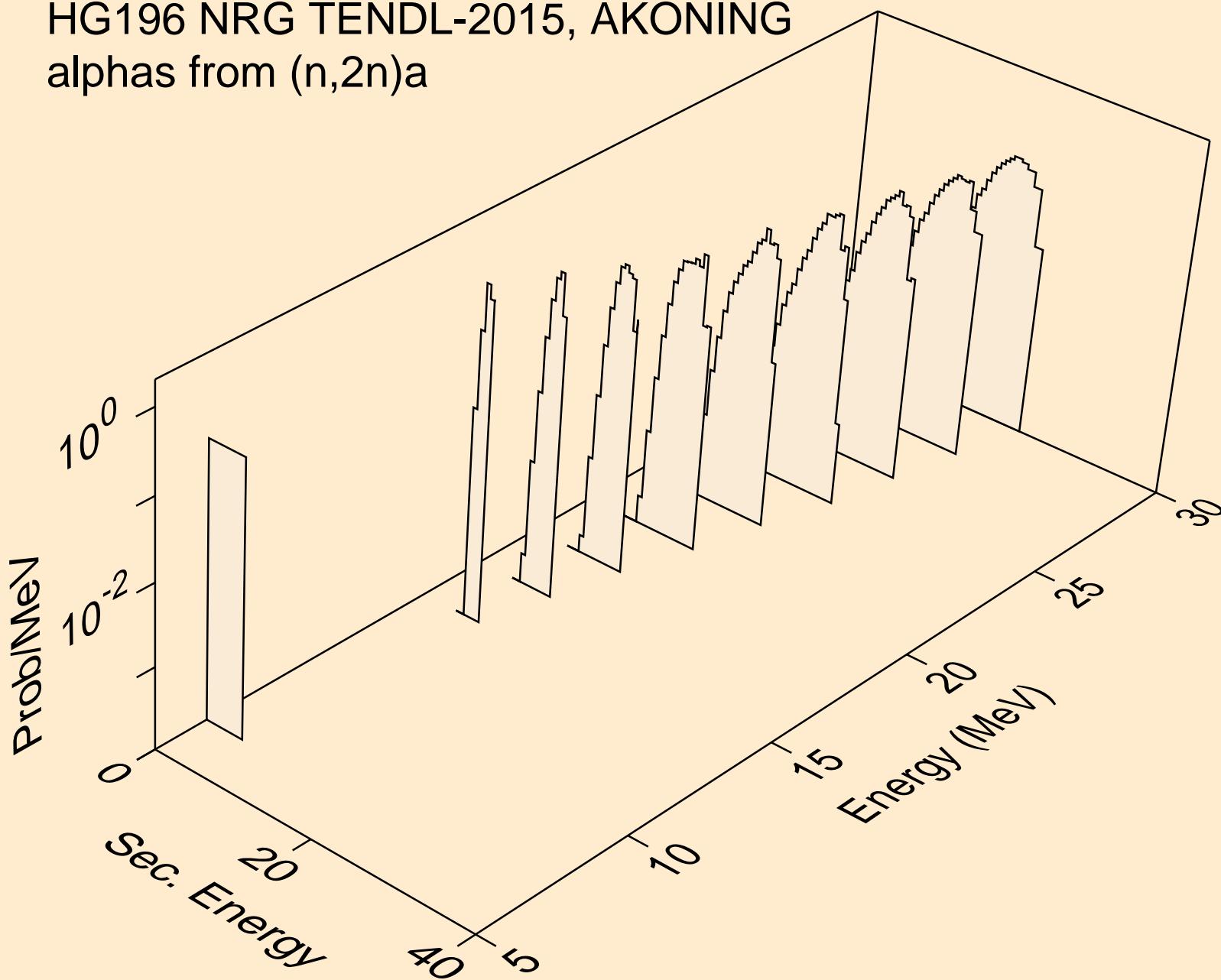
HG196 NRG TENDL-2015, AKONING  
alphas from (n,x)



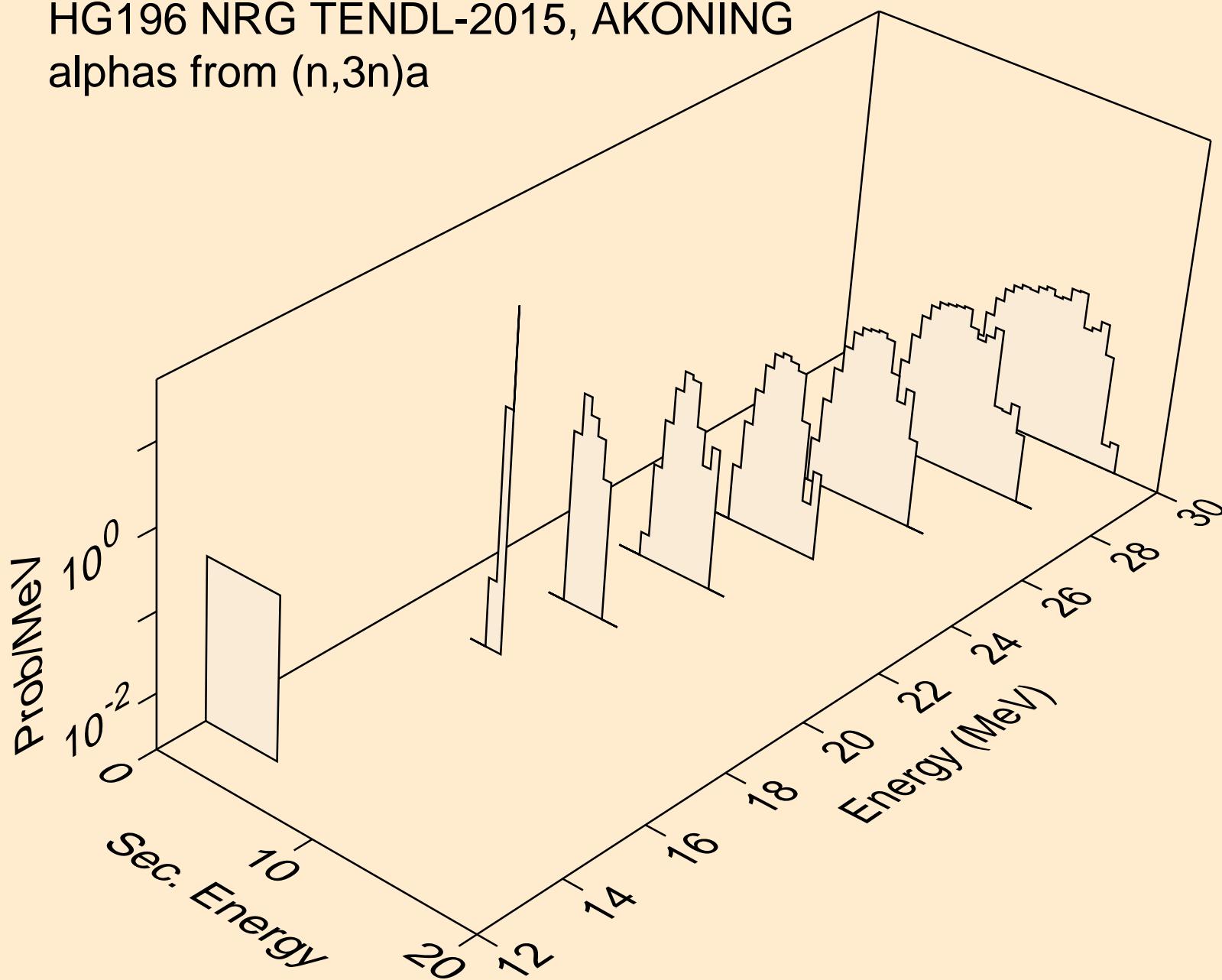
HG196 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)a$



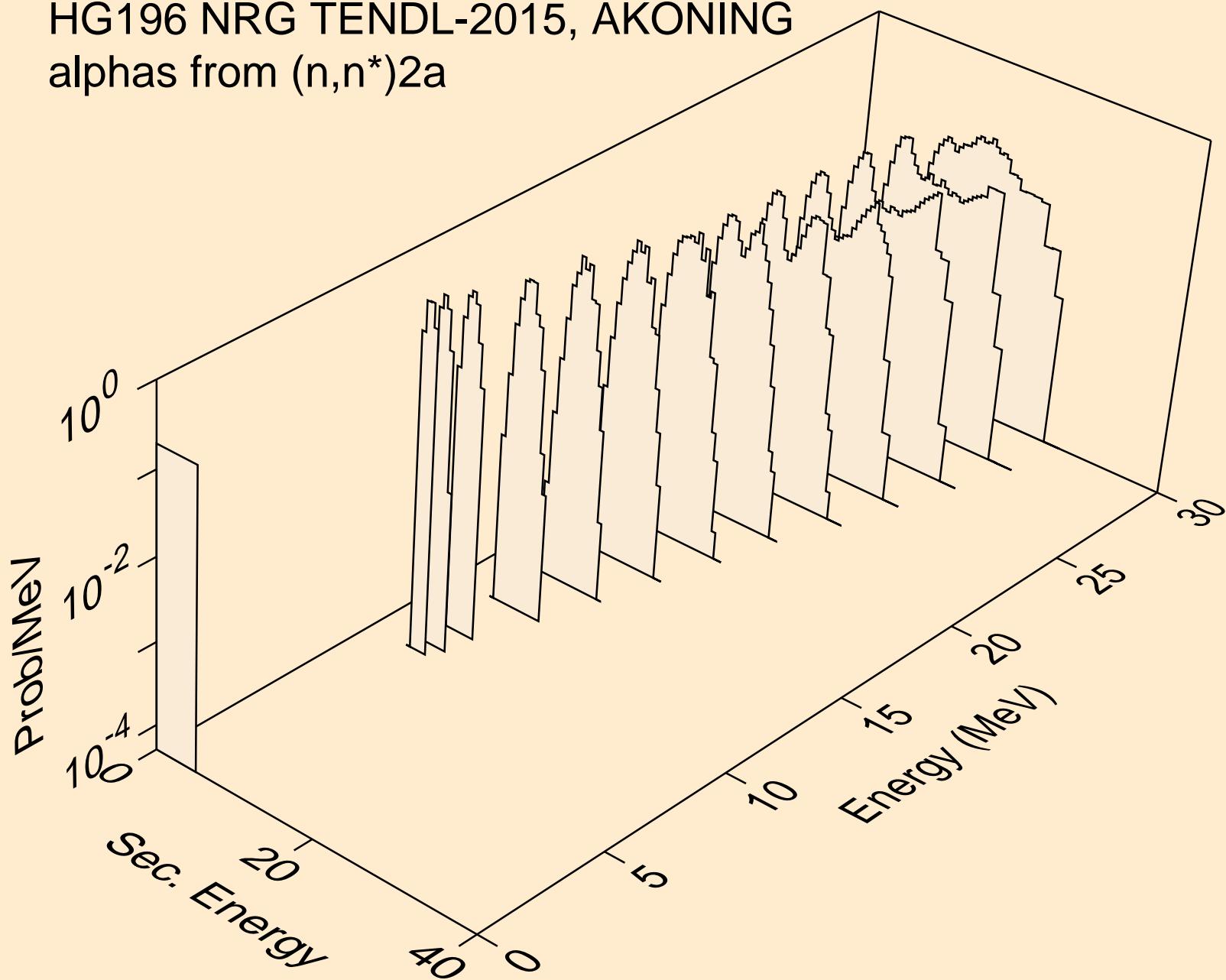
HG196 NRG TENDL-2015, AKONING  
alphas from  $(n,2n)a$



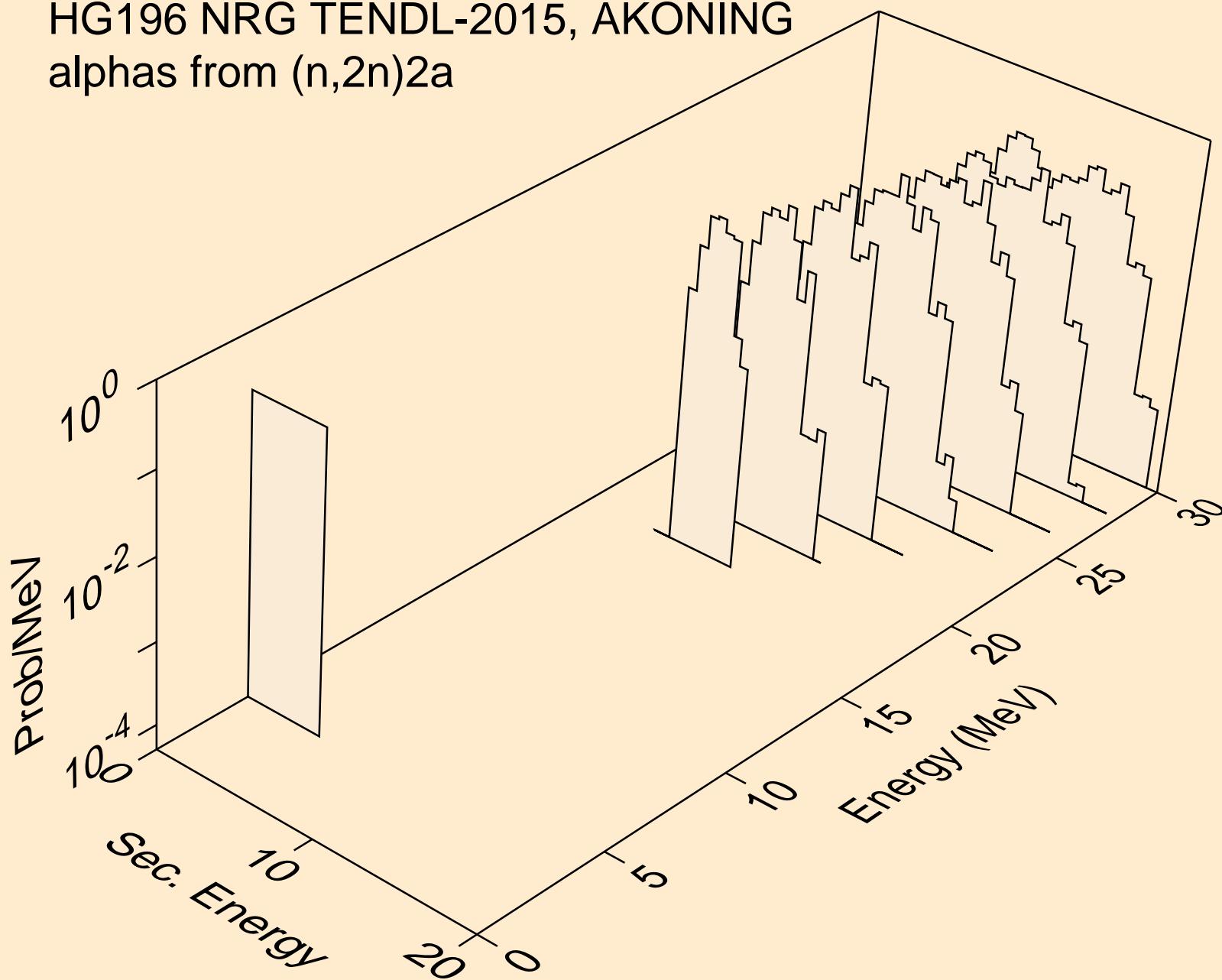
HG196 NRG TENDL-2015, AKONING  
alphas from ( $n,3n$ )a



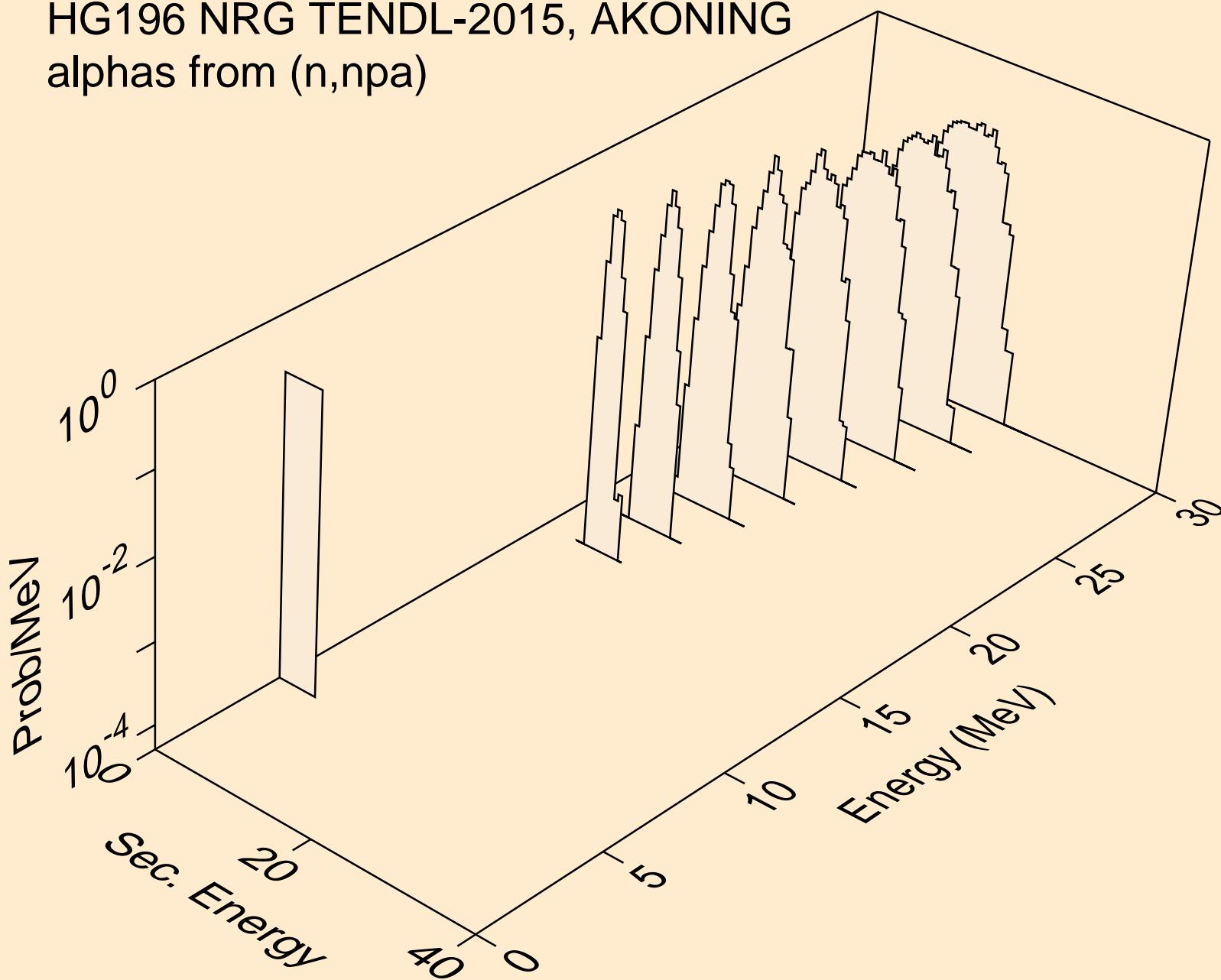
HG196 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)2a$



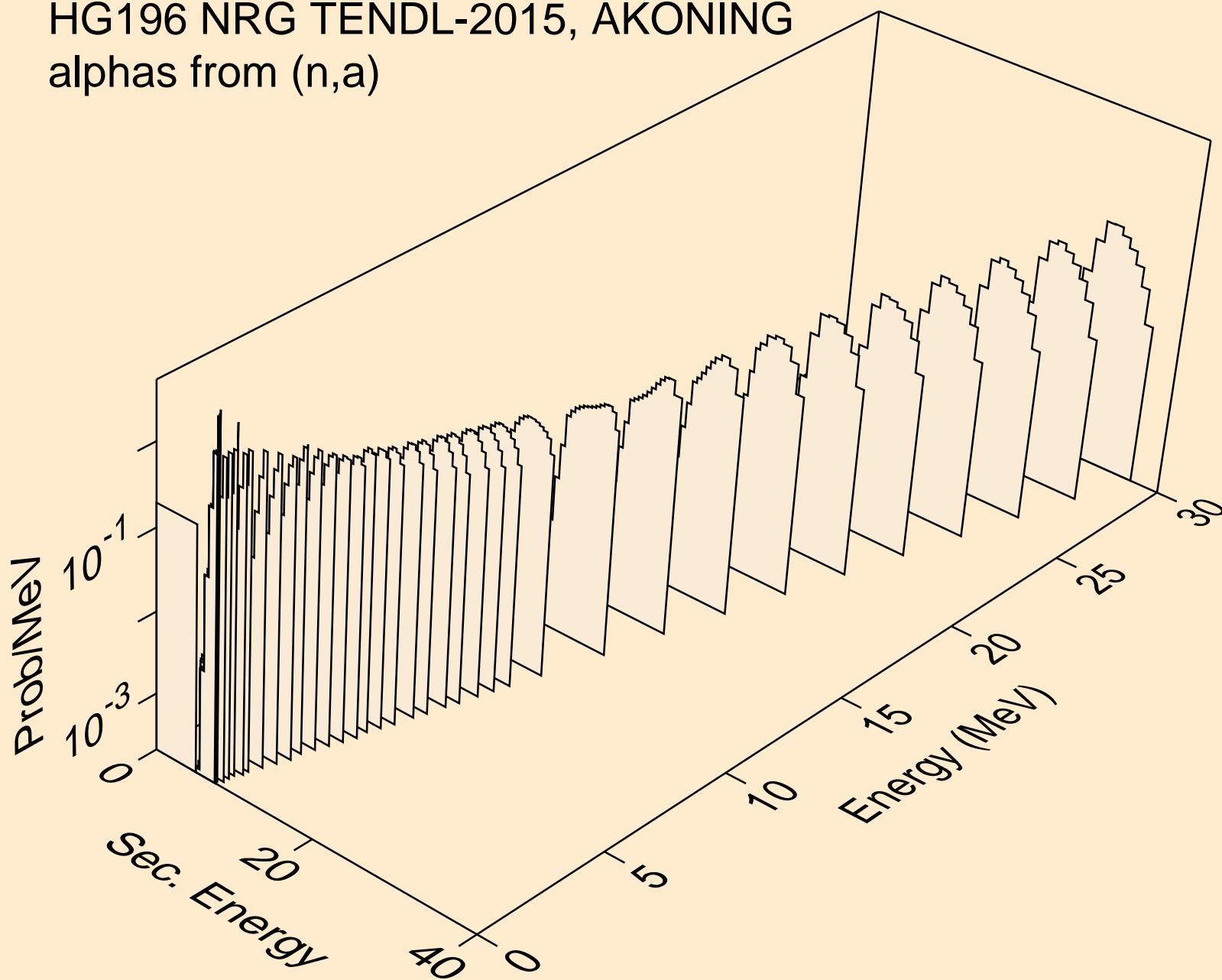
HG196 NRG TENDL-2015, AKONING  
alphas from  $(n,2n)2a$



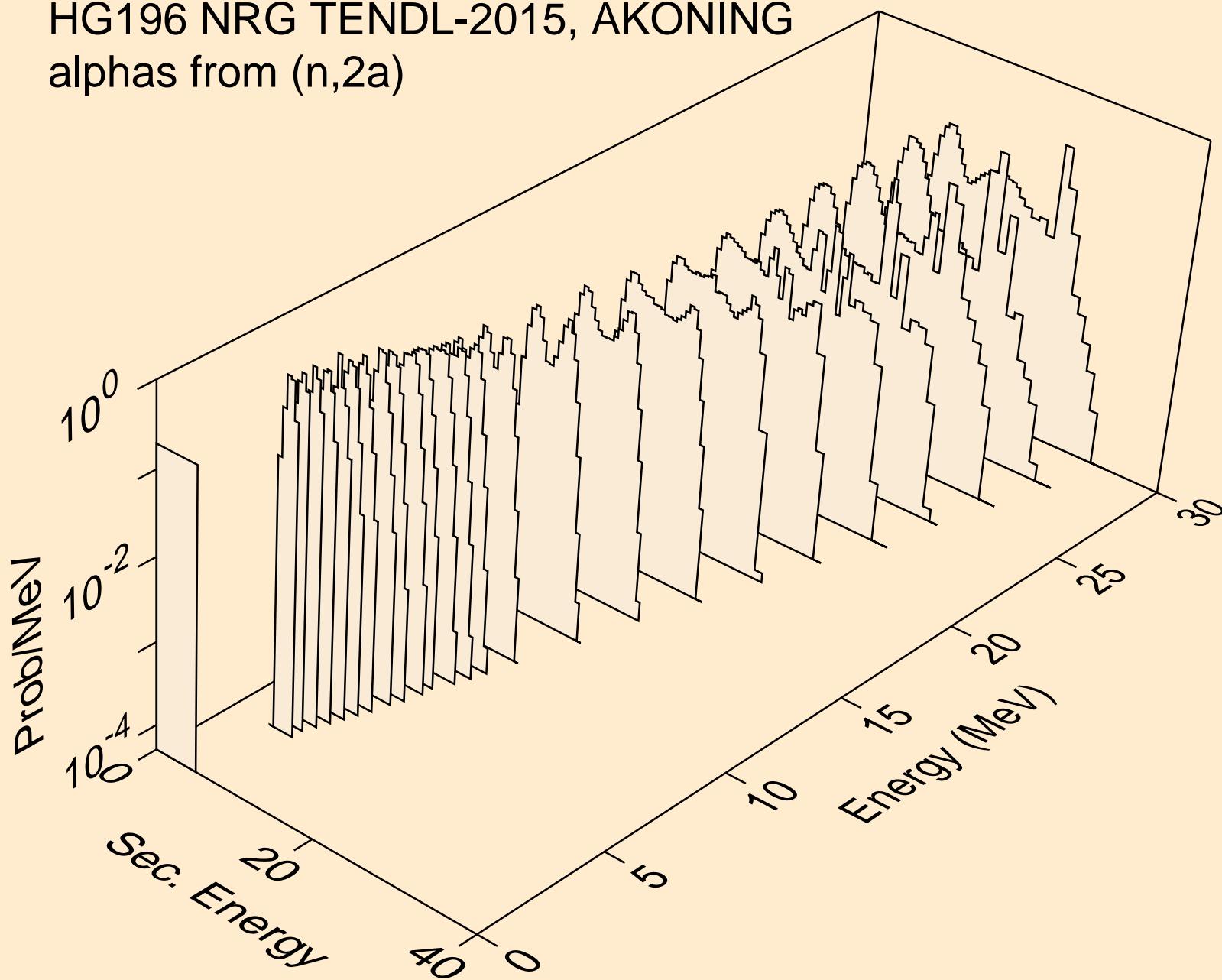
HG196 NRG TENDL-2015, AKONING  
alphas from (n,npa)



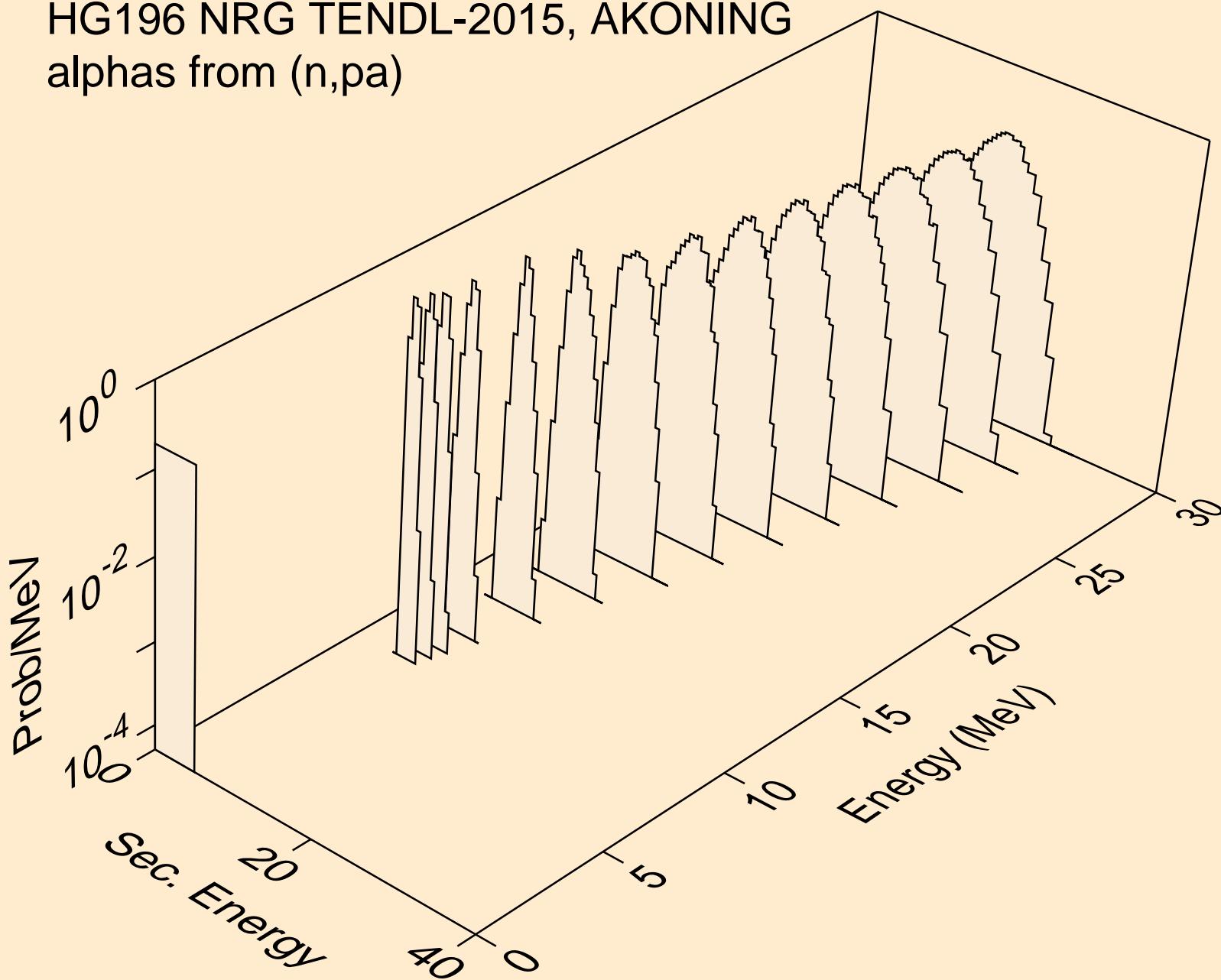
HG196 NRG TENDL-2015, AKONING  
alphas from (n,a)



HG196 NRG TENDL-2015, AKONING  
alphas from (n,2a)



HG196 NRG TENDL-2015, AKONING  
alphas from (n,pa)



HG196 NRG TENDL-2015, AKONING  
alphas from (n,da)

