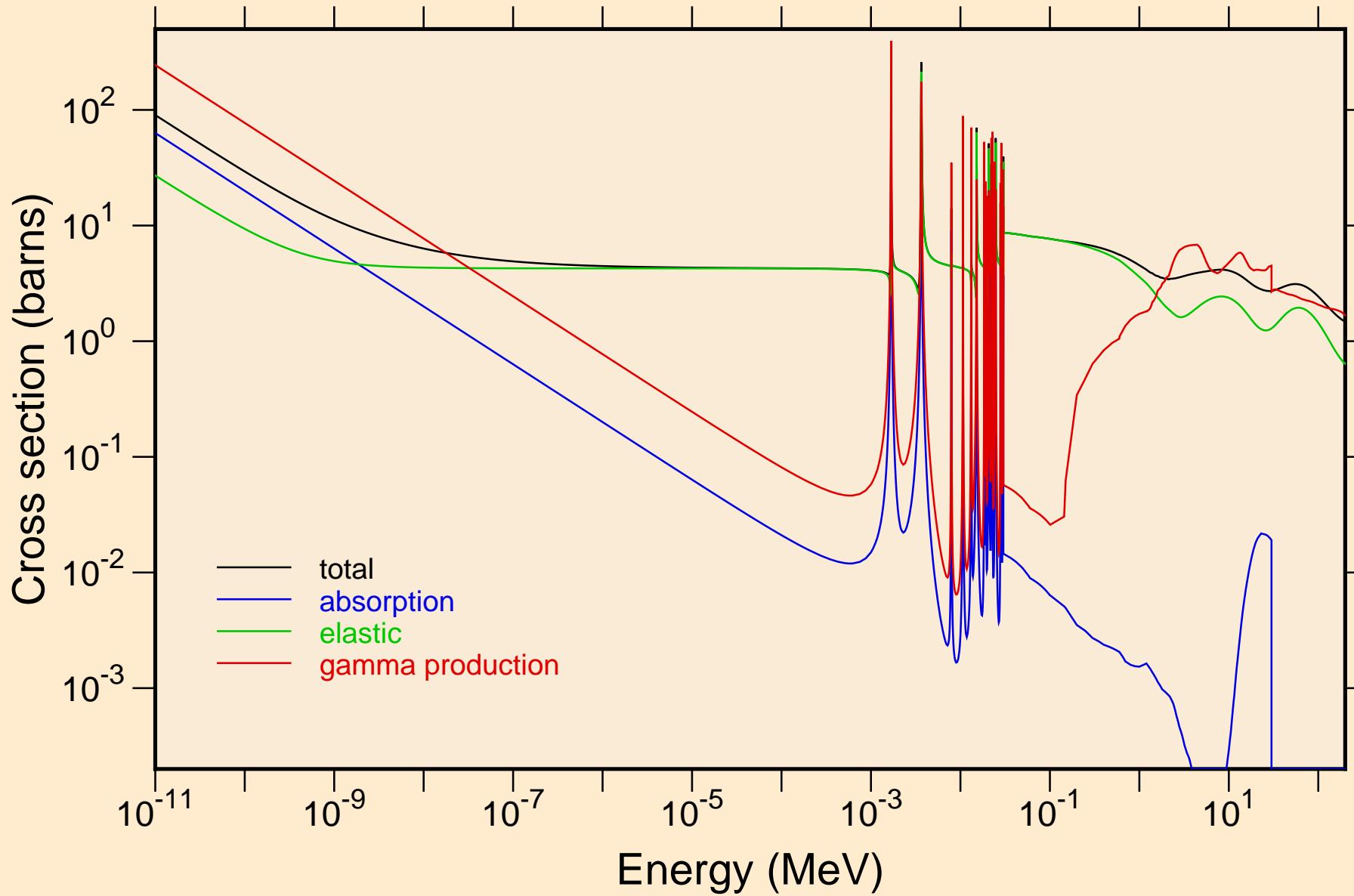
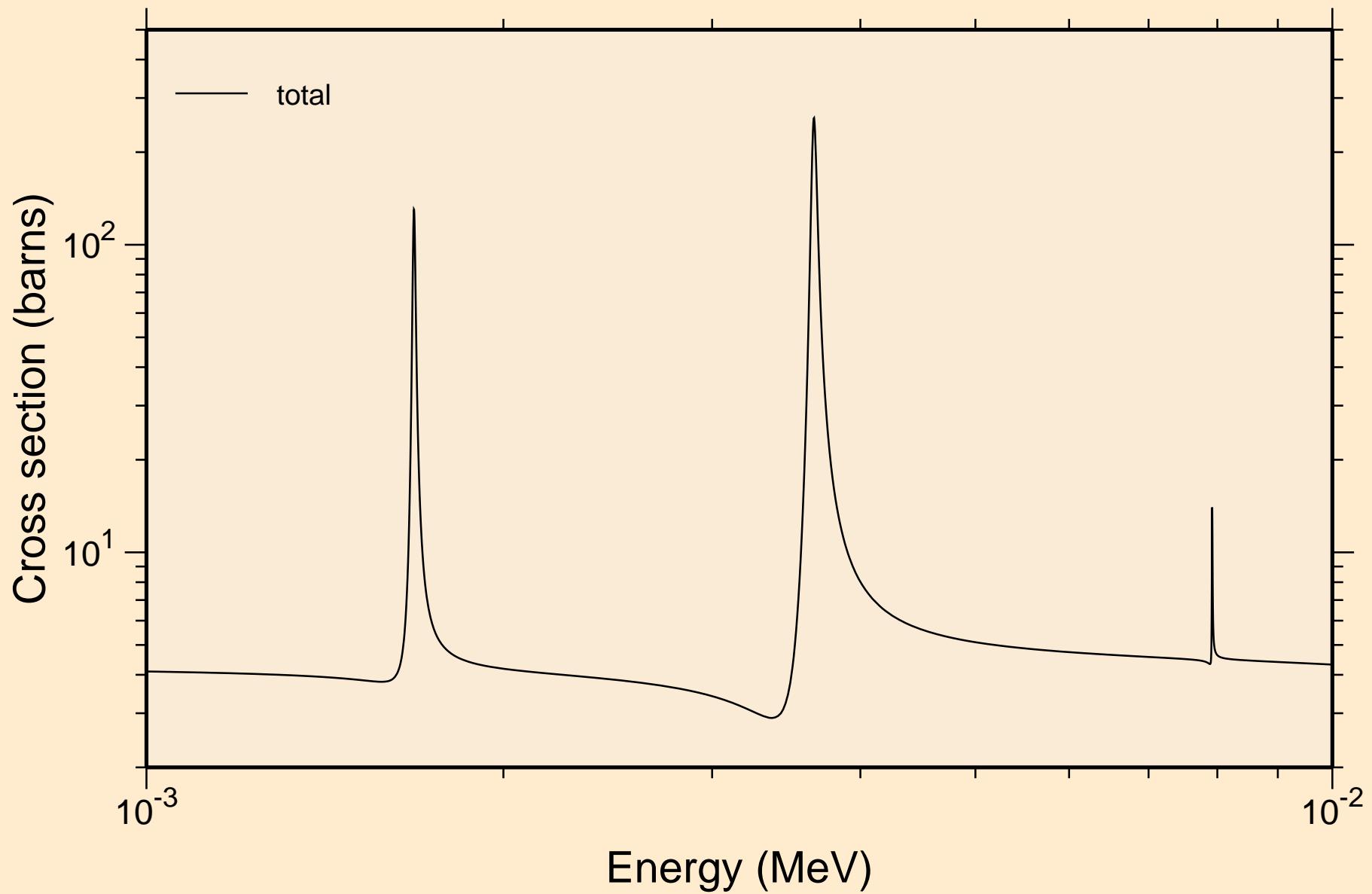


# AS084 NRG TENDL-2015, AKONING

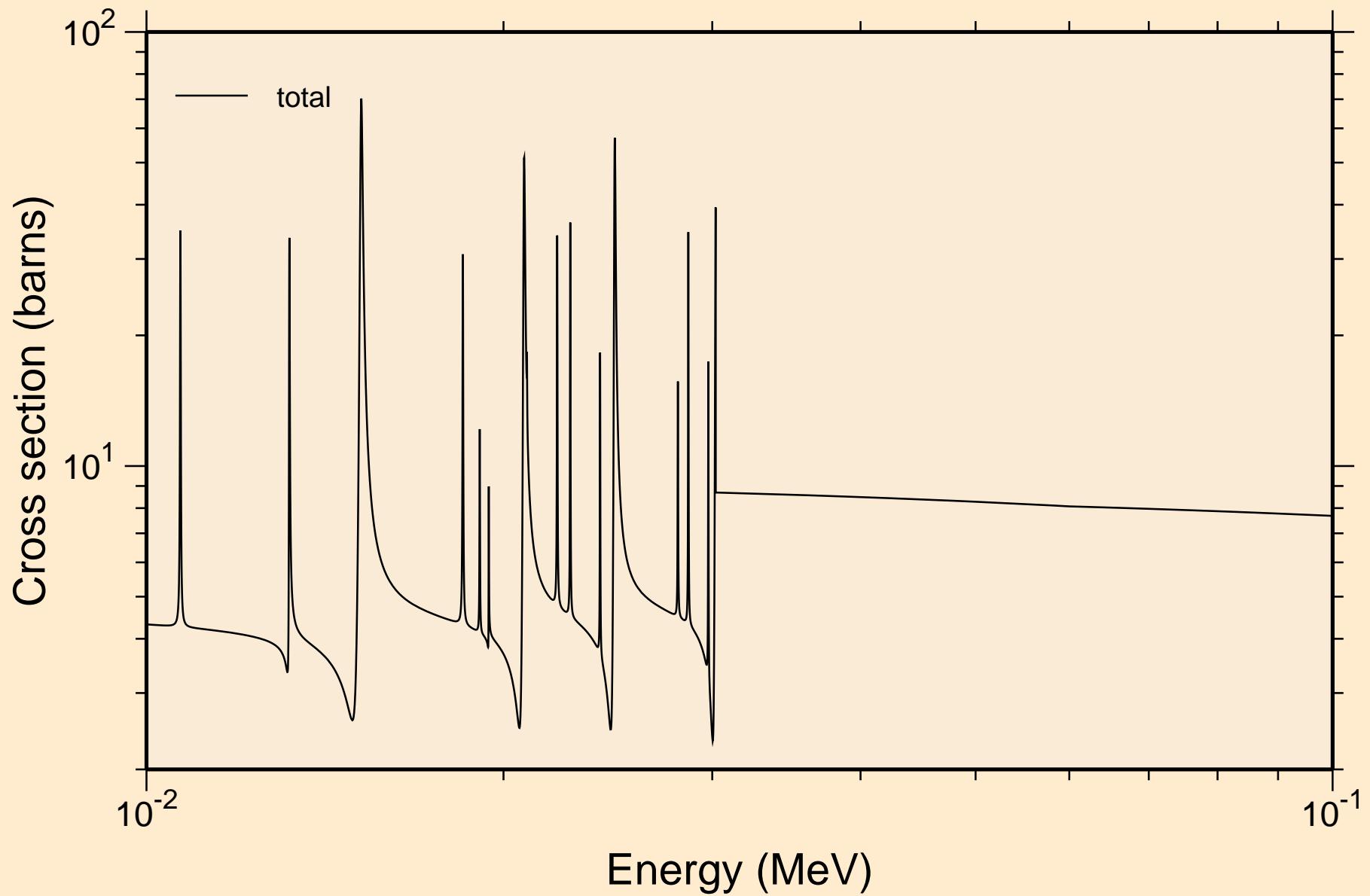
## Principal cross sections



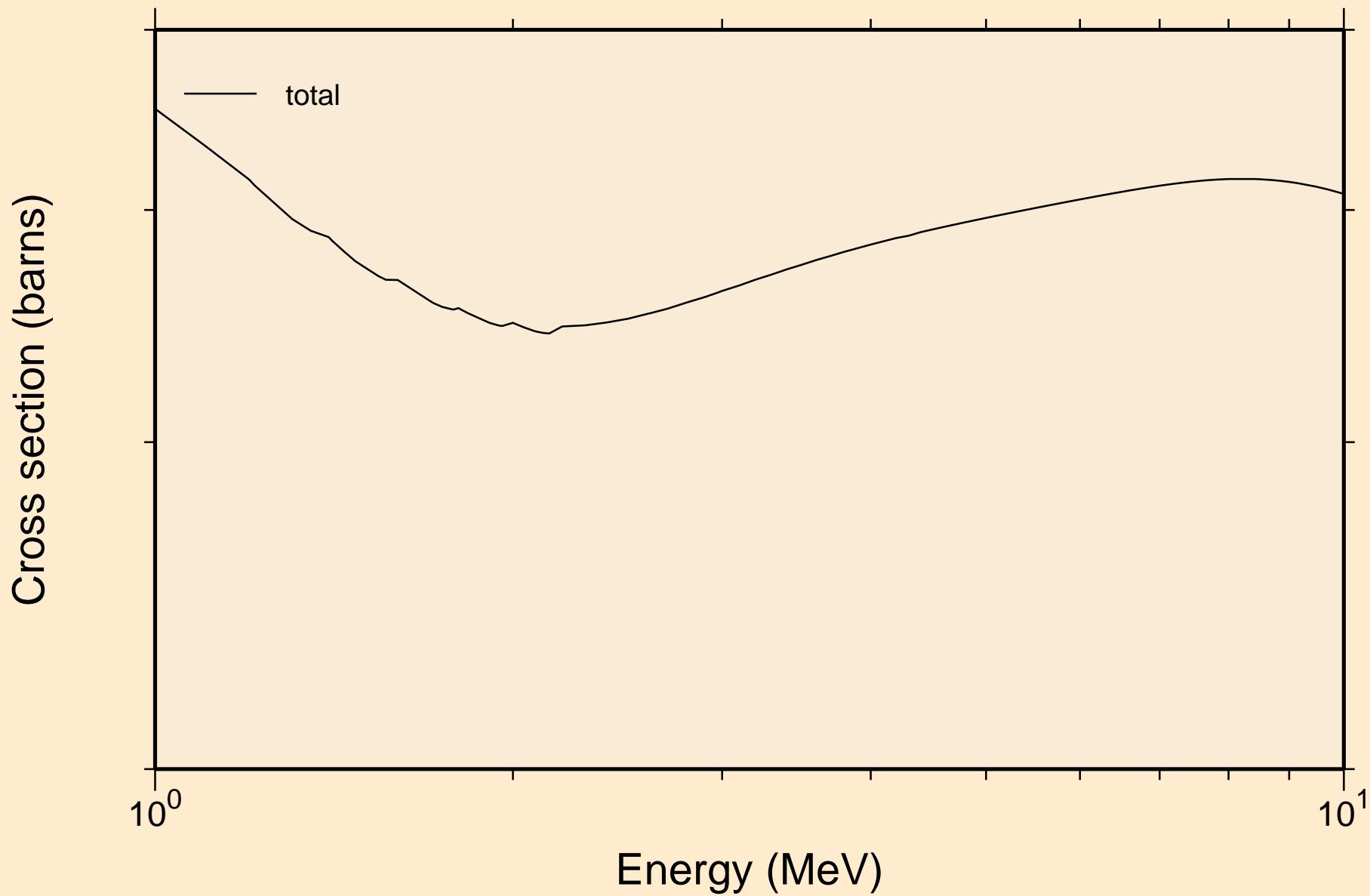
AS084 NRG TENDL-2015, AKONING  
resonance total cross section



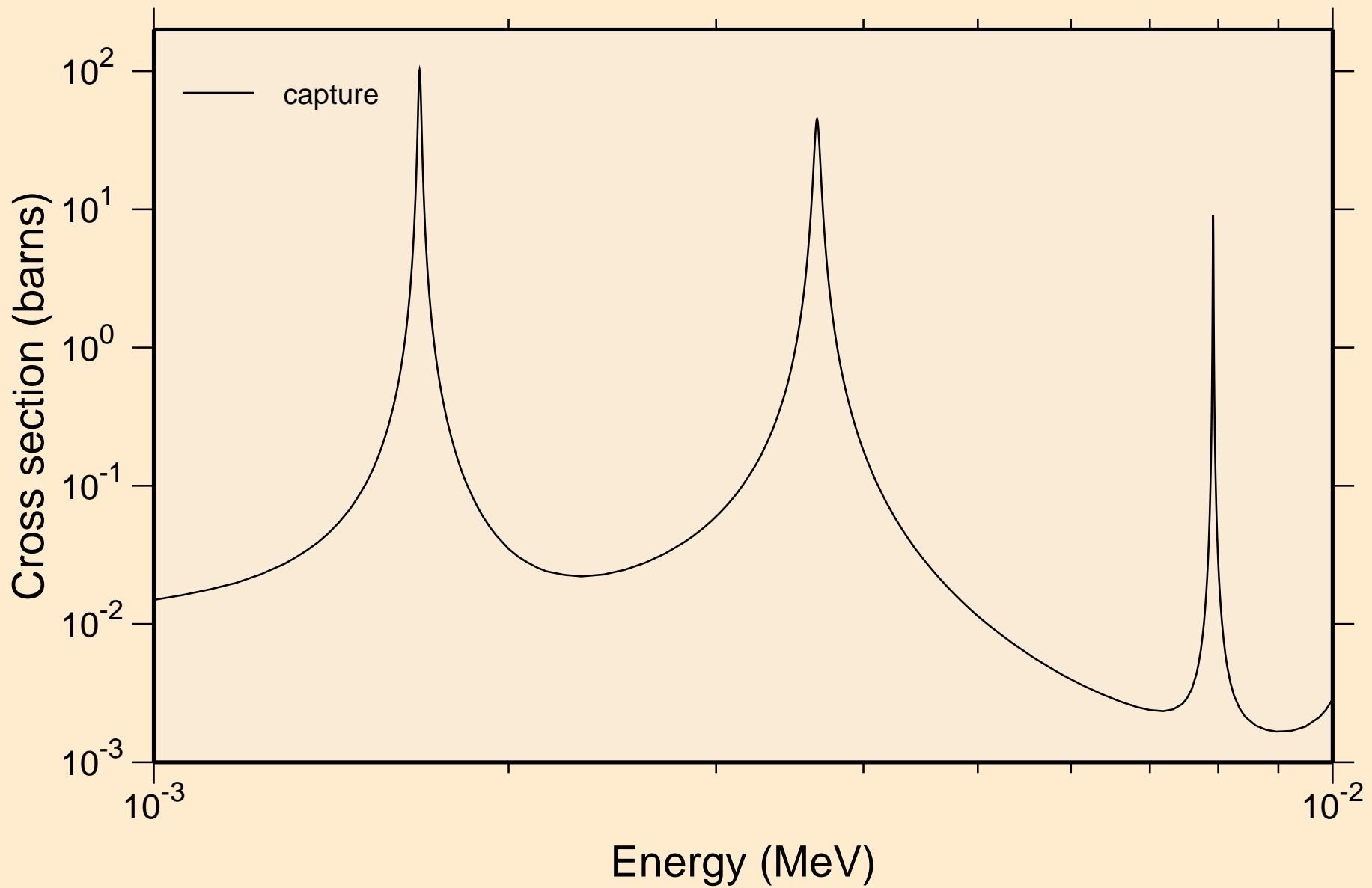
AS084 NRG TENDL-2015, AKONING  
resonance total cross section



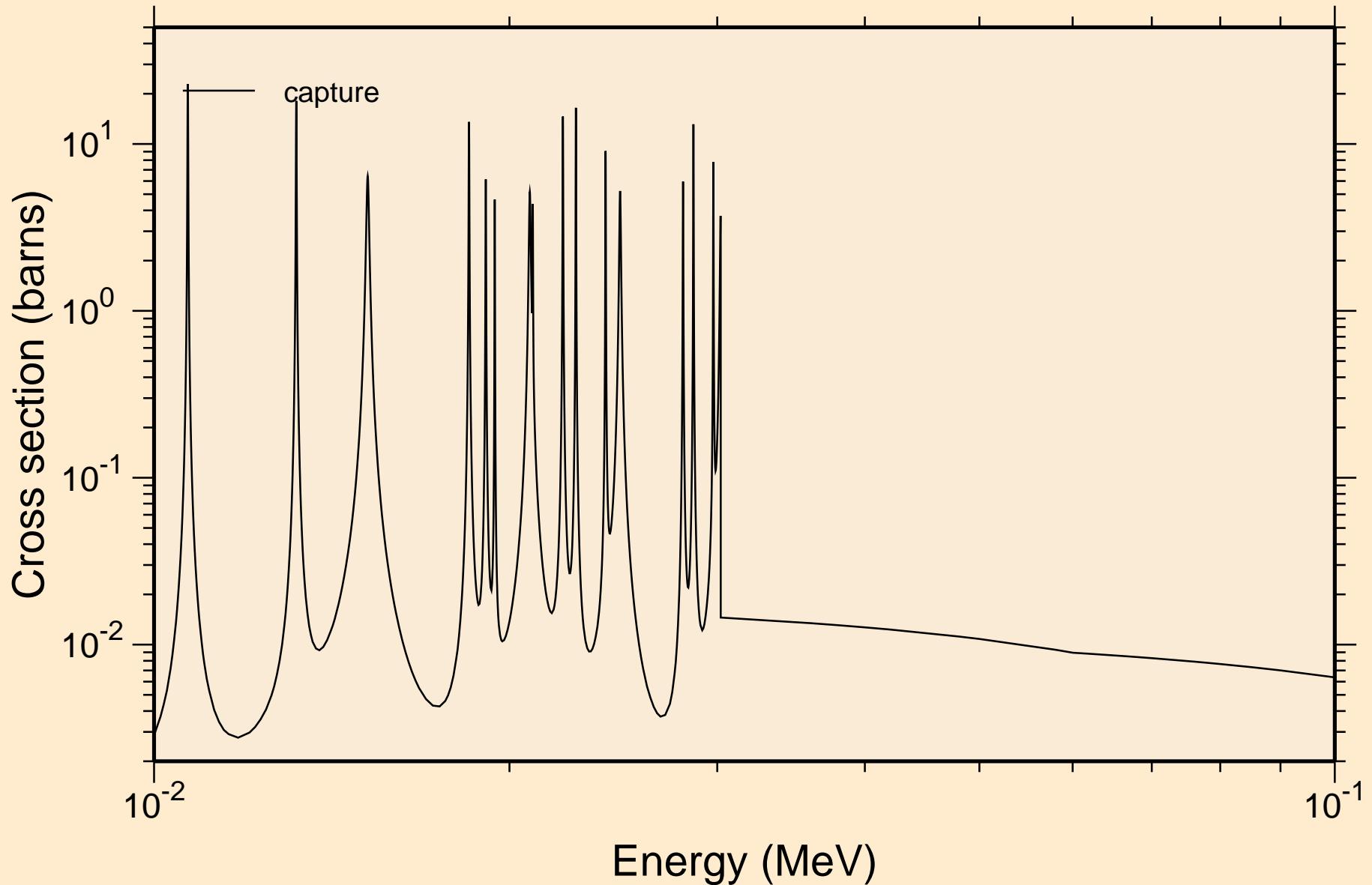
A<sub>S</sub>084 NRG TENDL-2015, AKONING  
resonance total cross section



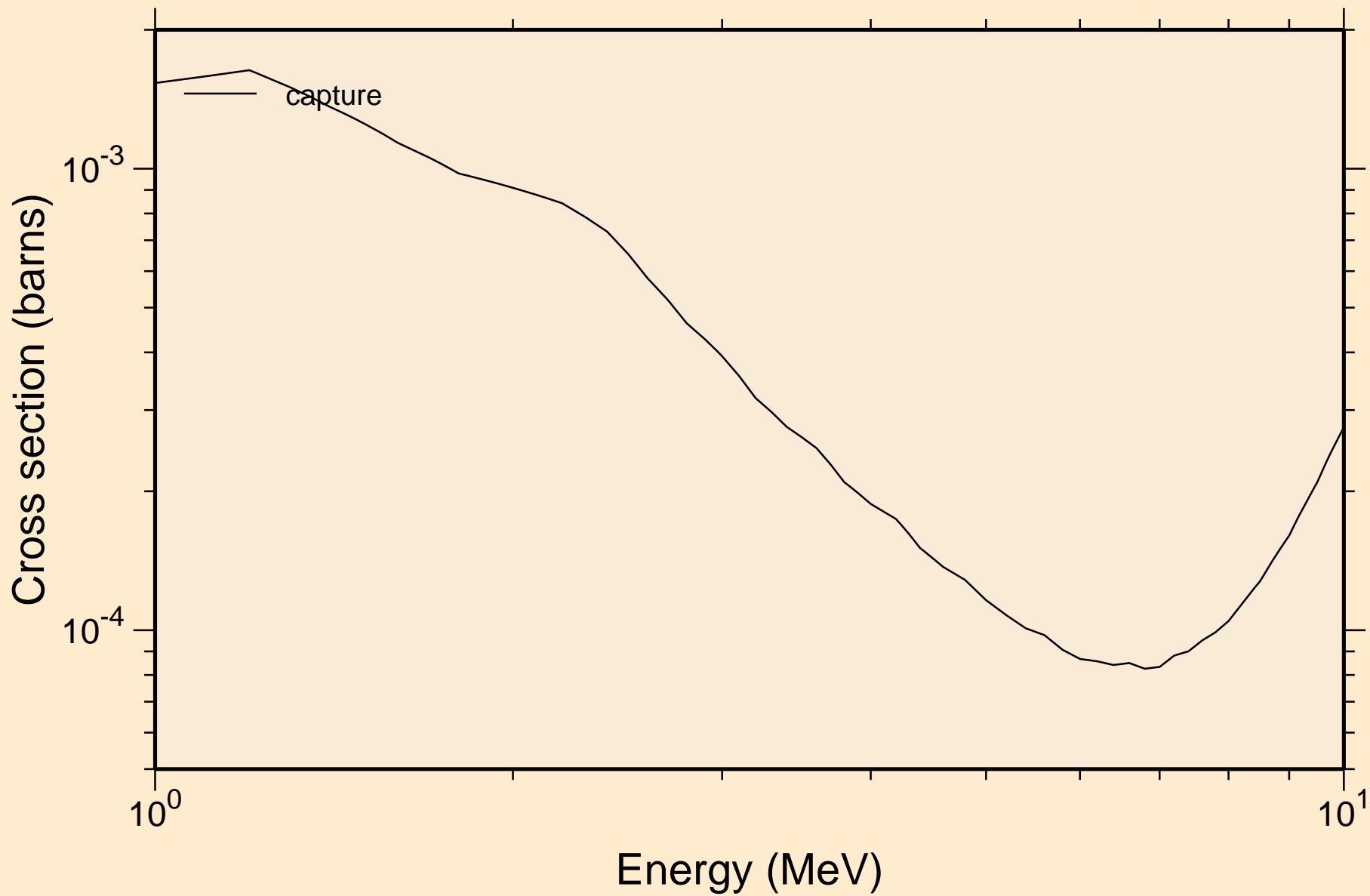
AS084 NRG TENDL-2015, AKONING  
resonance absorption cross sections



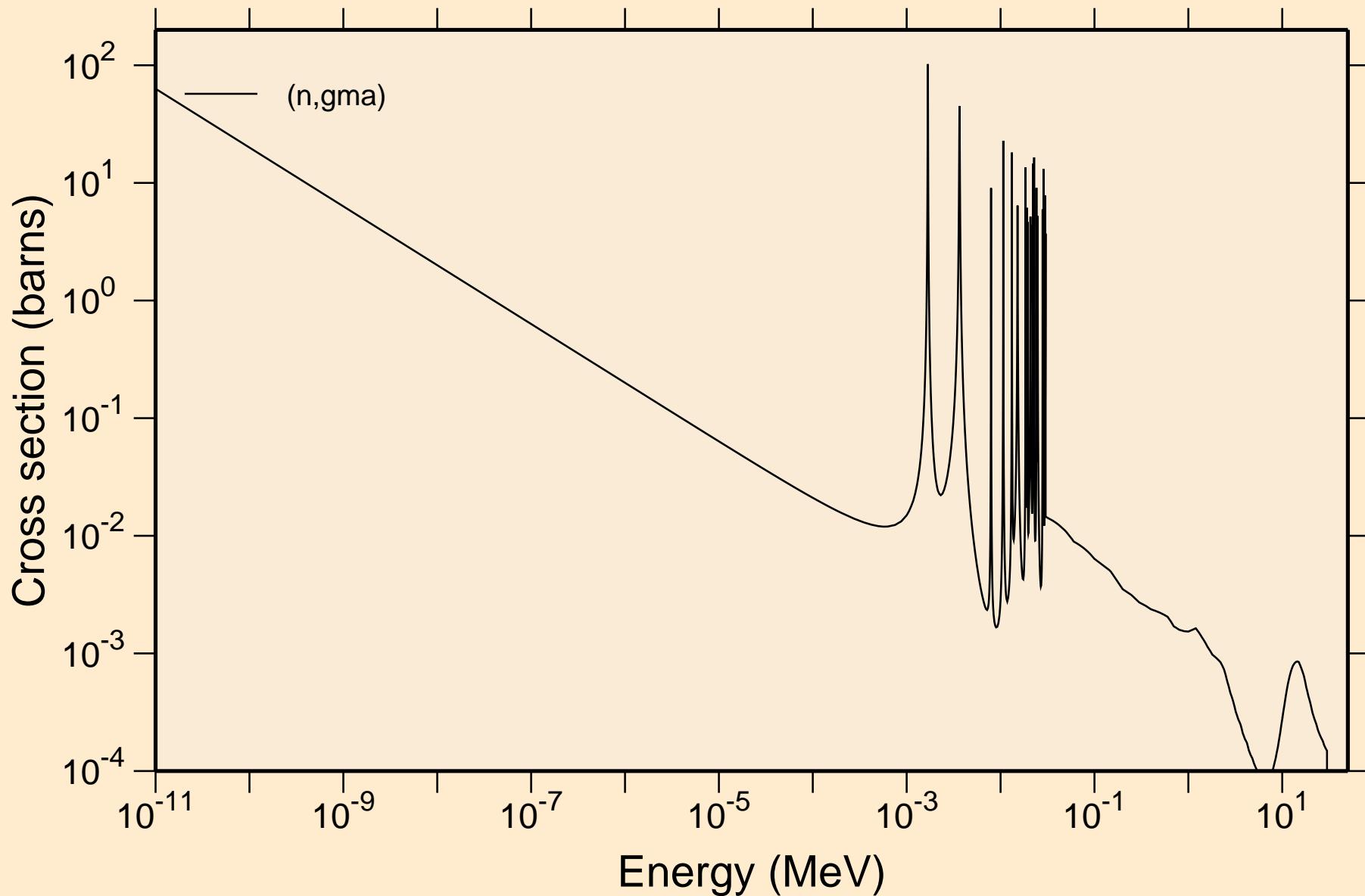
AS084 NRG TENDL-2015, AKONING  
resonance absorption cross sections



AS084 NRG TENDL-2015, AKONING  
resonance absorption cross sections

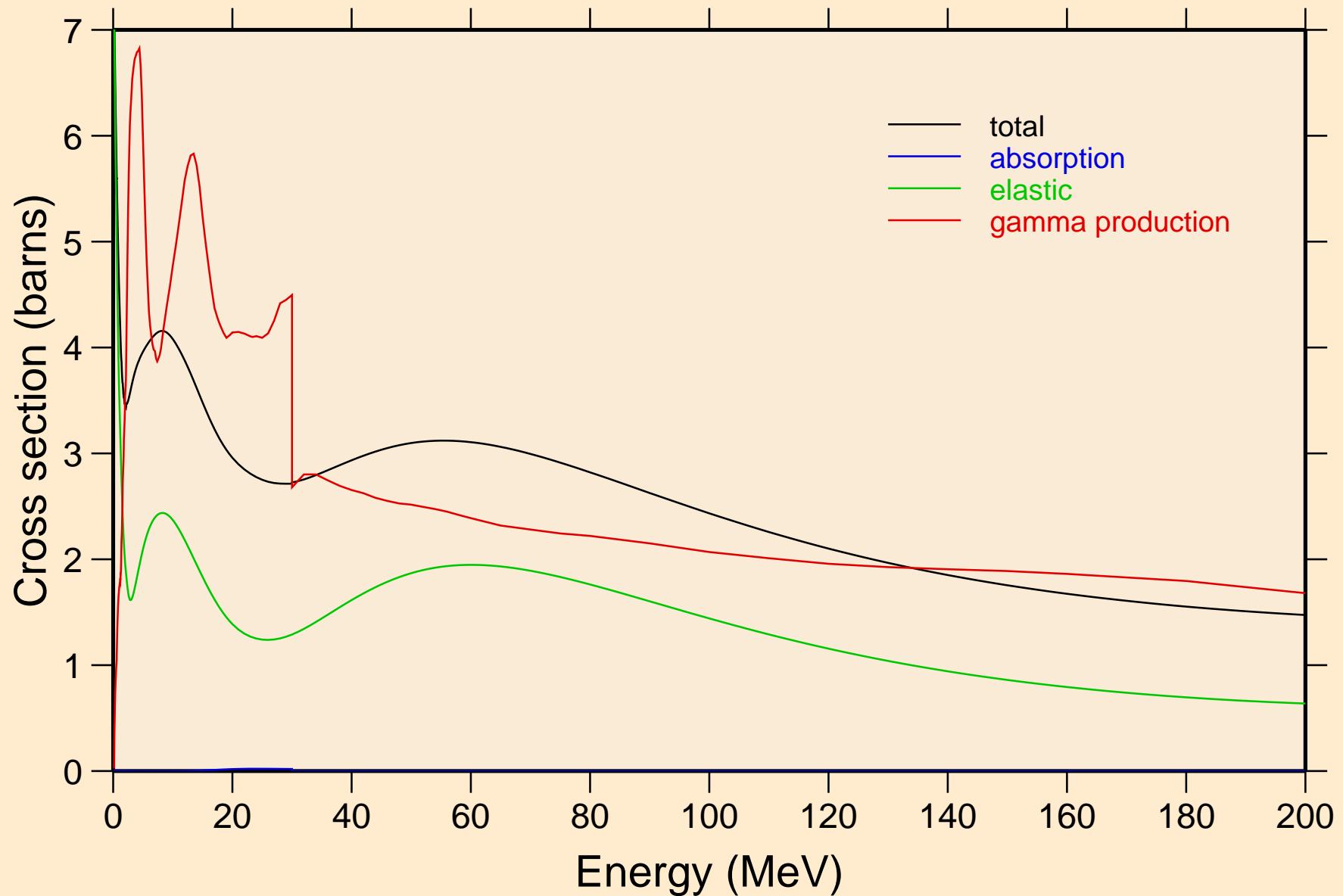


AS084 NRG TENDL-2015, AKONING  
Non-threshold reactions

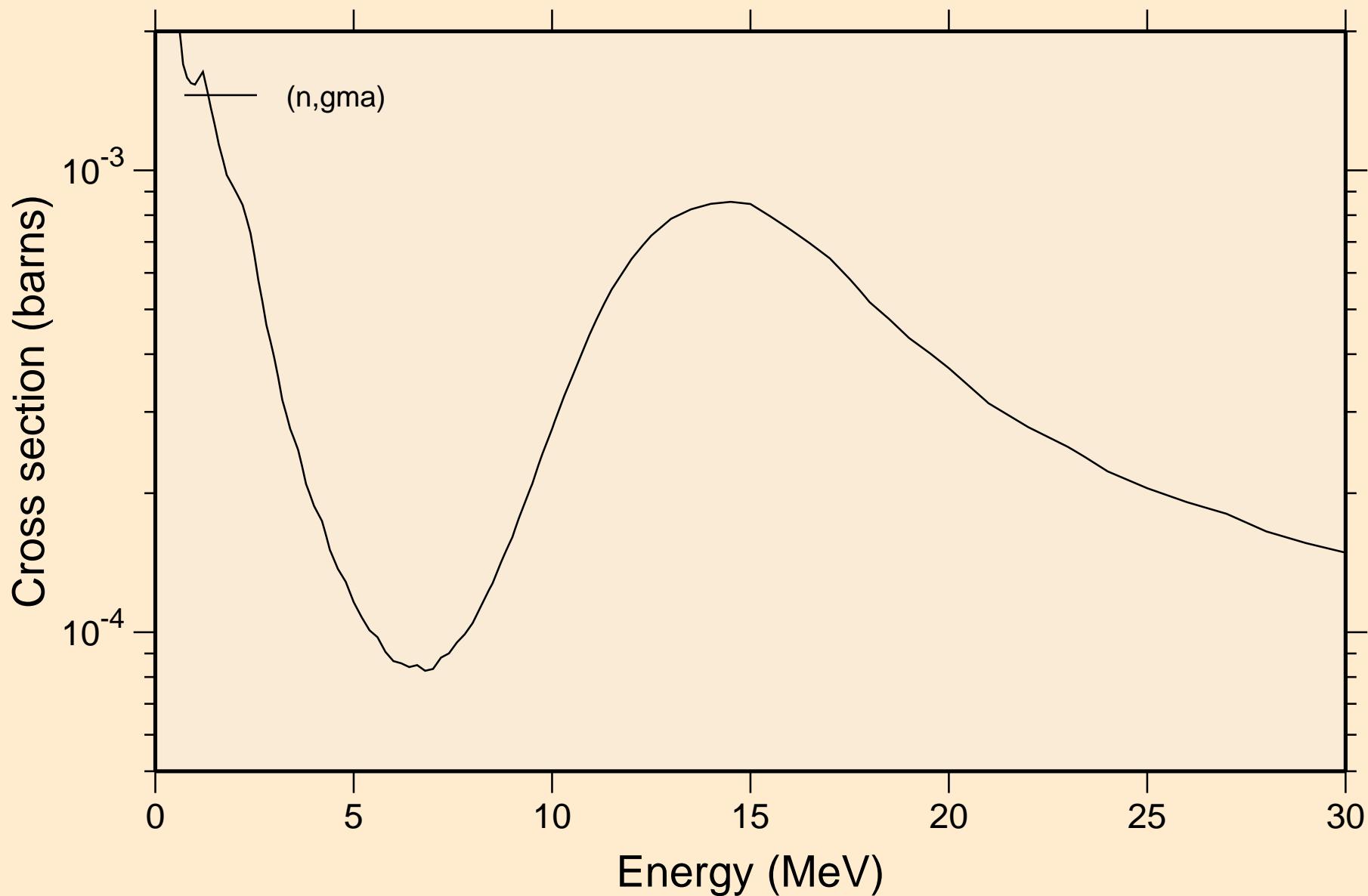


# AS084 NRG TENDL-2015, AKONING

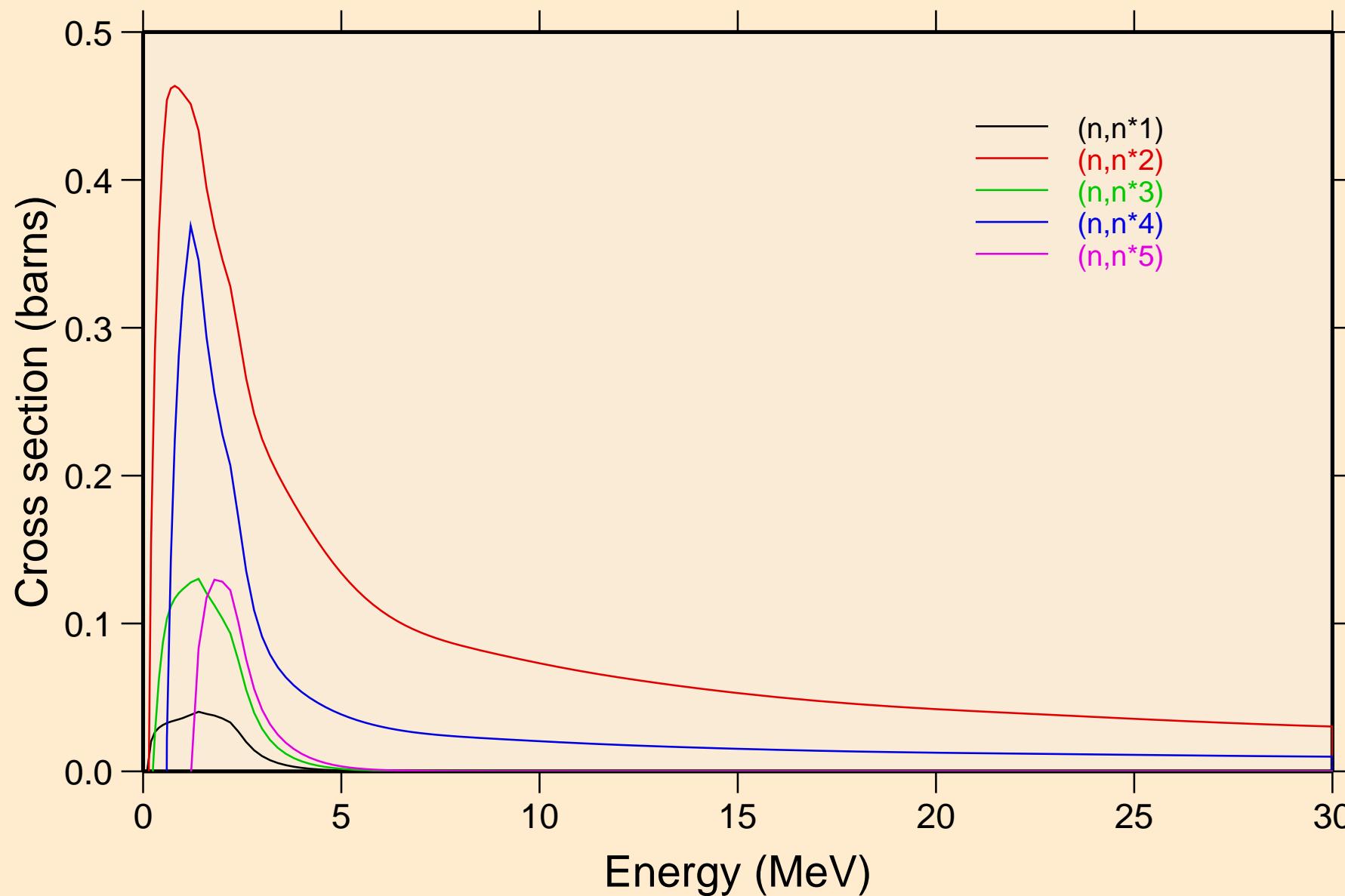
## Principal cross sections



AS084 NRG TENDL-2015, AKONING  
Non-threshold reactions

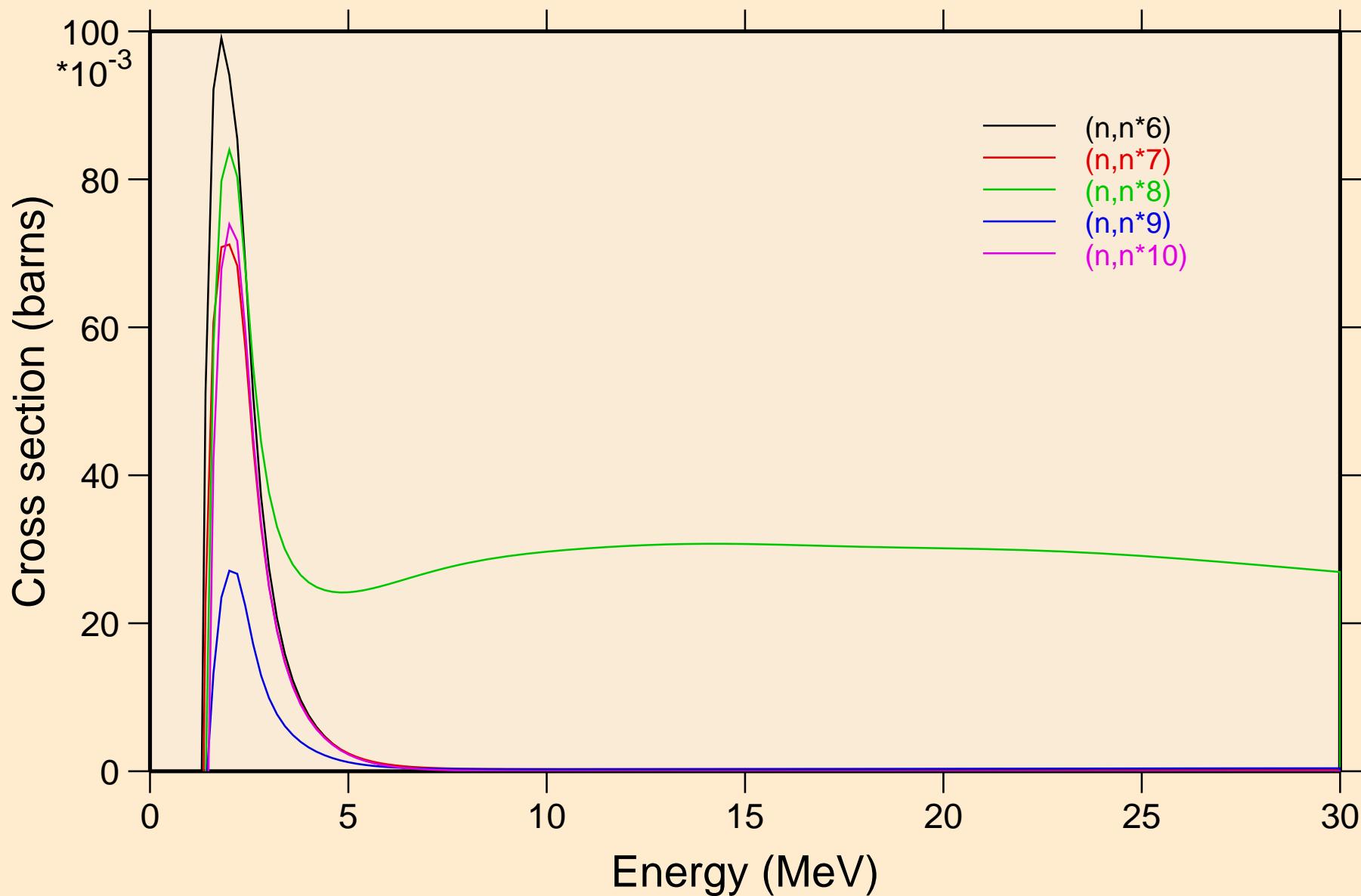


AS084 NRG TENDL-2015, AKONING  
Inelastic levels



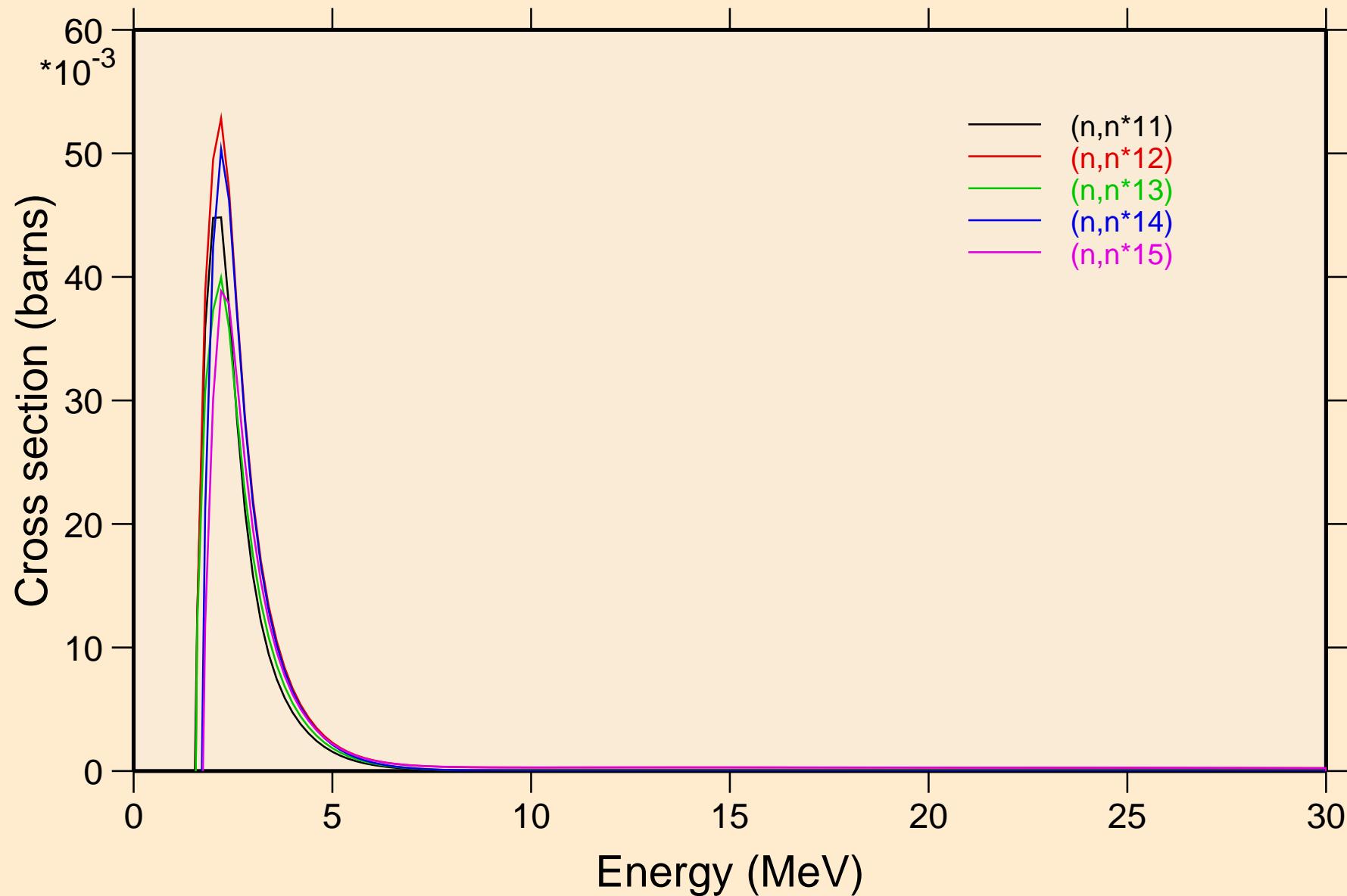
# AS084 NRG TENDL-2015, AKONING

## Inelastic levels



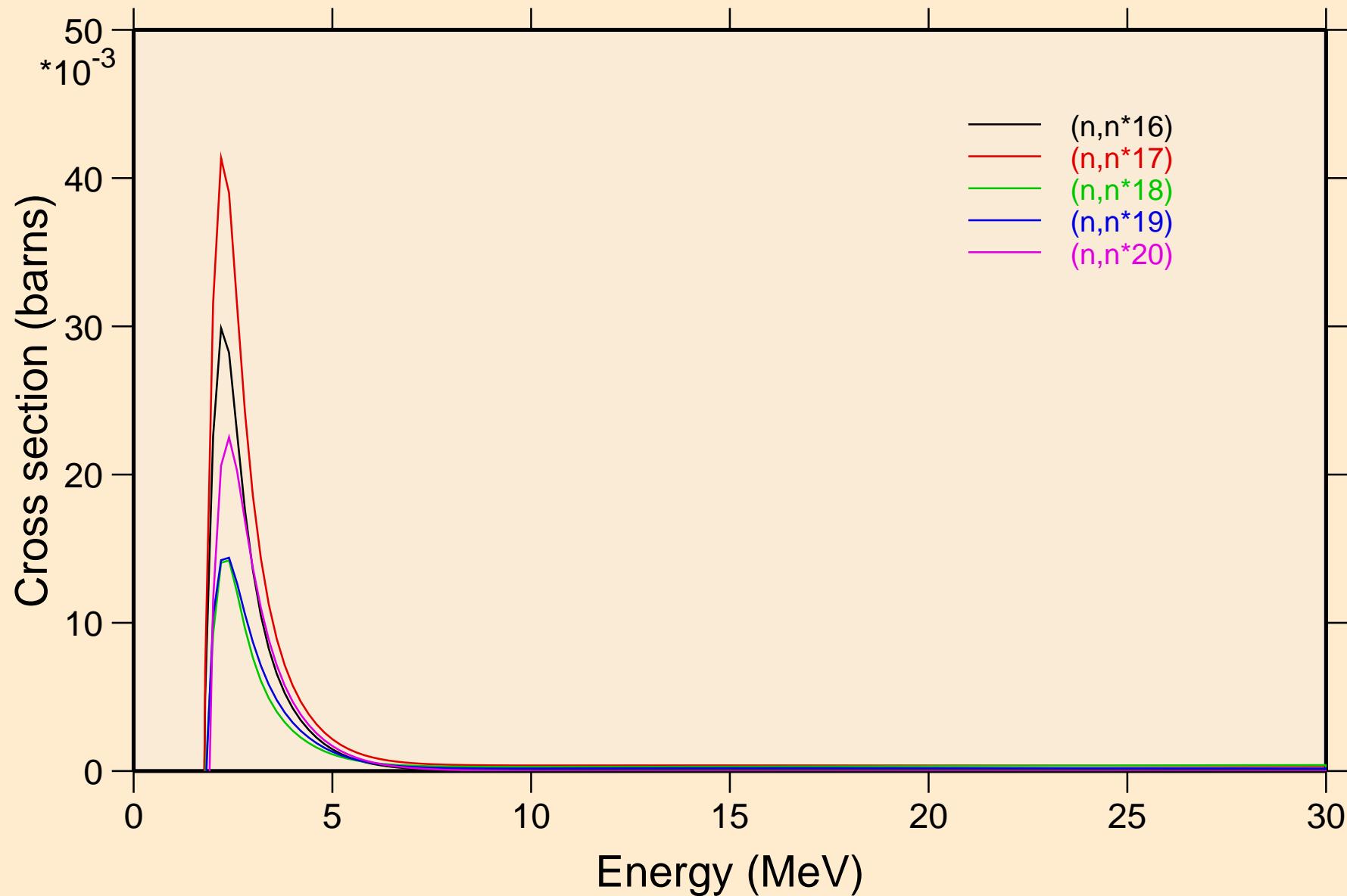
# AS084 NRG TENDL-2015, AKONING

## Inelastic levels

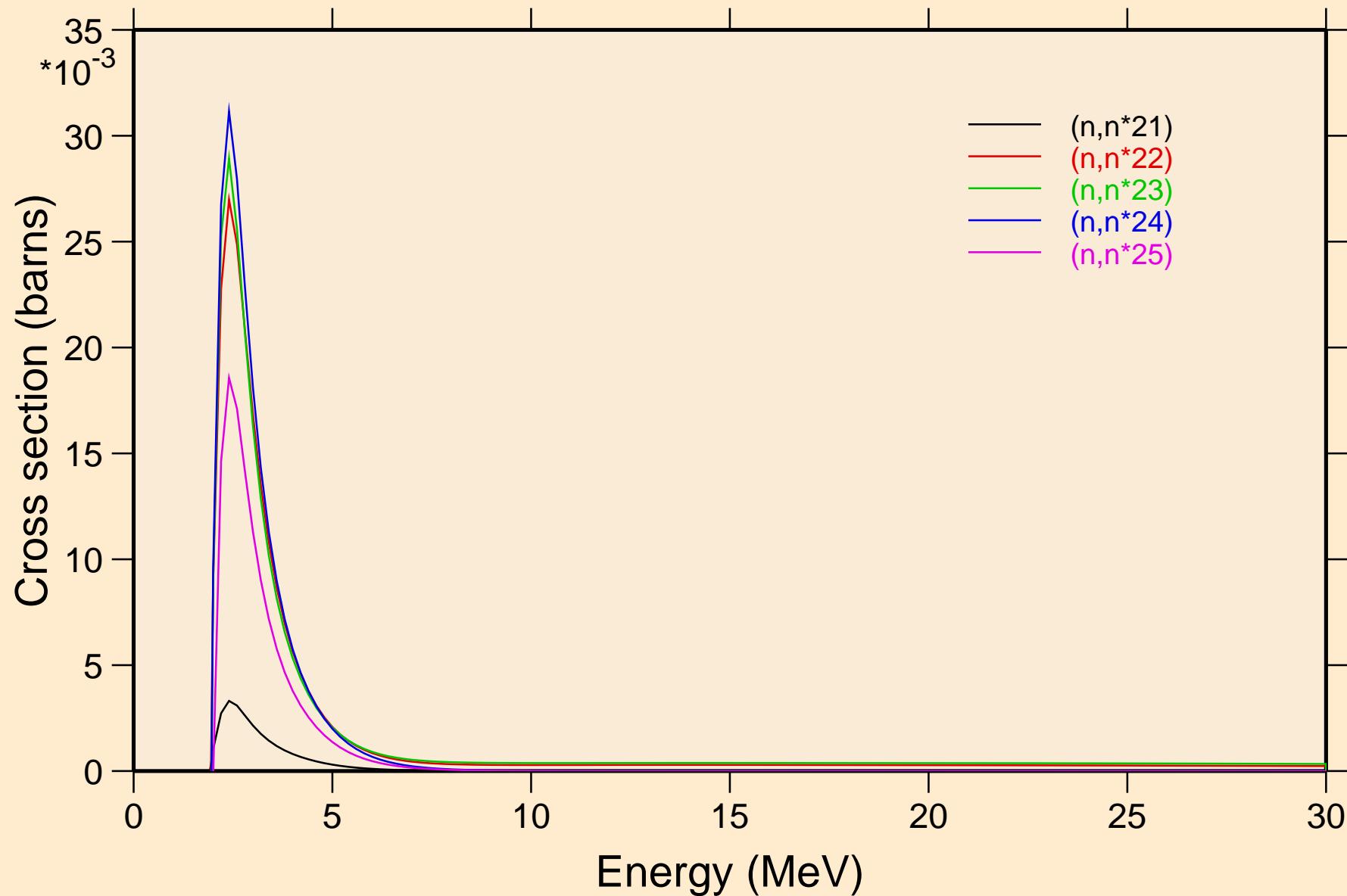


# AS084 NRG TENDL-2015, AKONING

## Inelastic levels

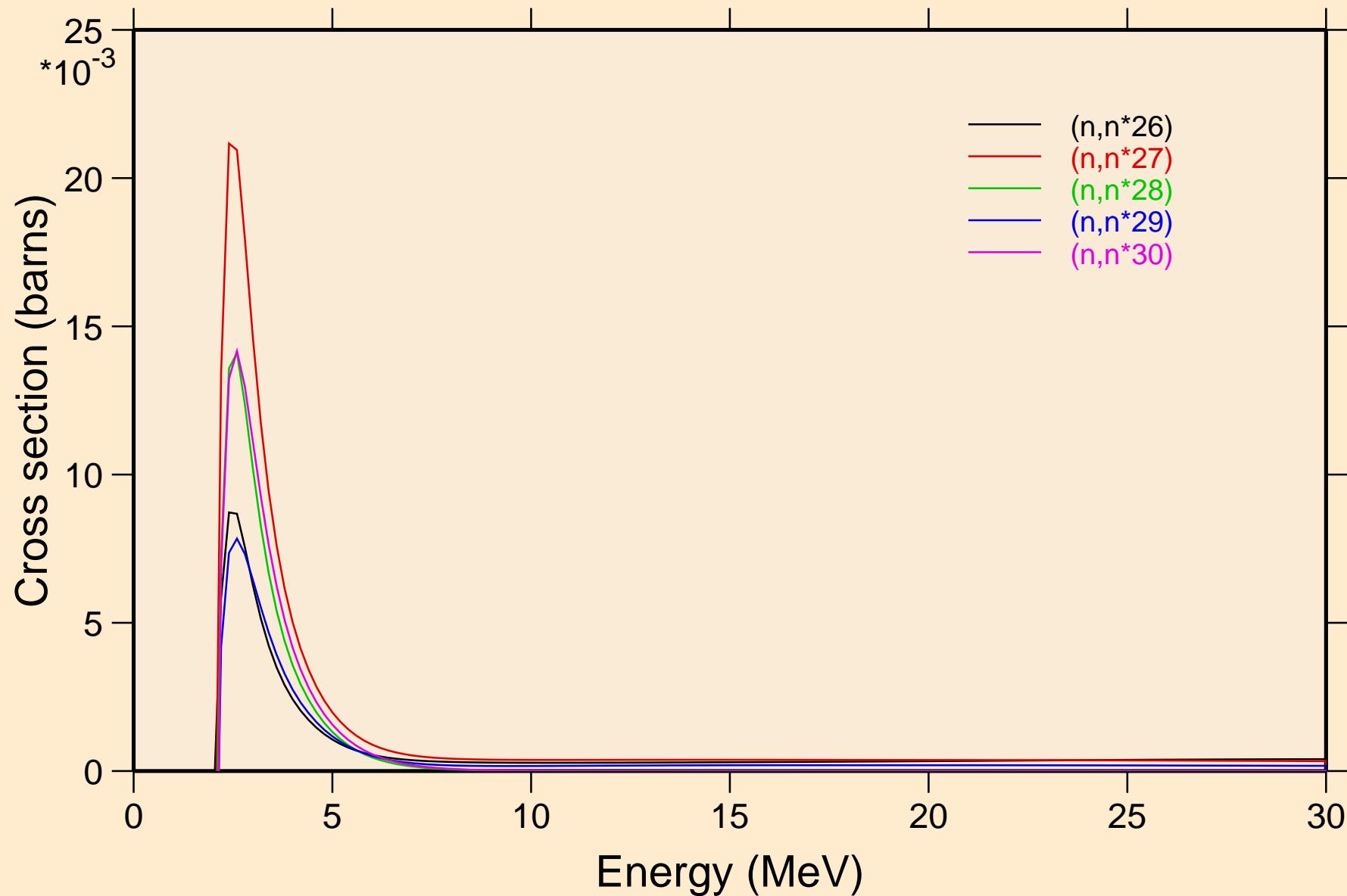


AS084 NRG TENDL-2015, AKONING  
Inelastic levels



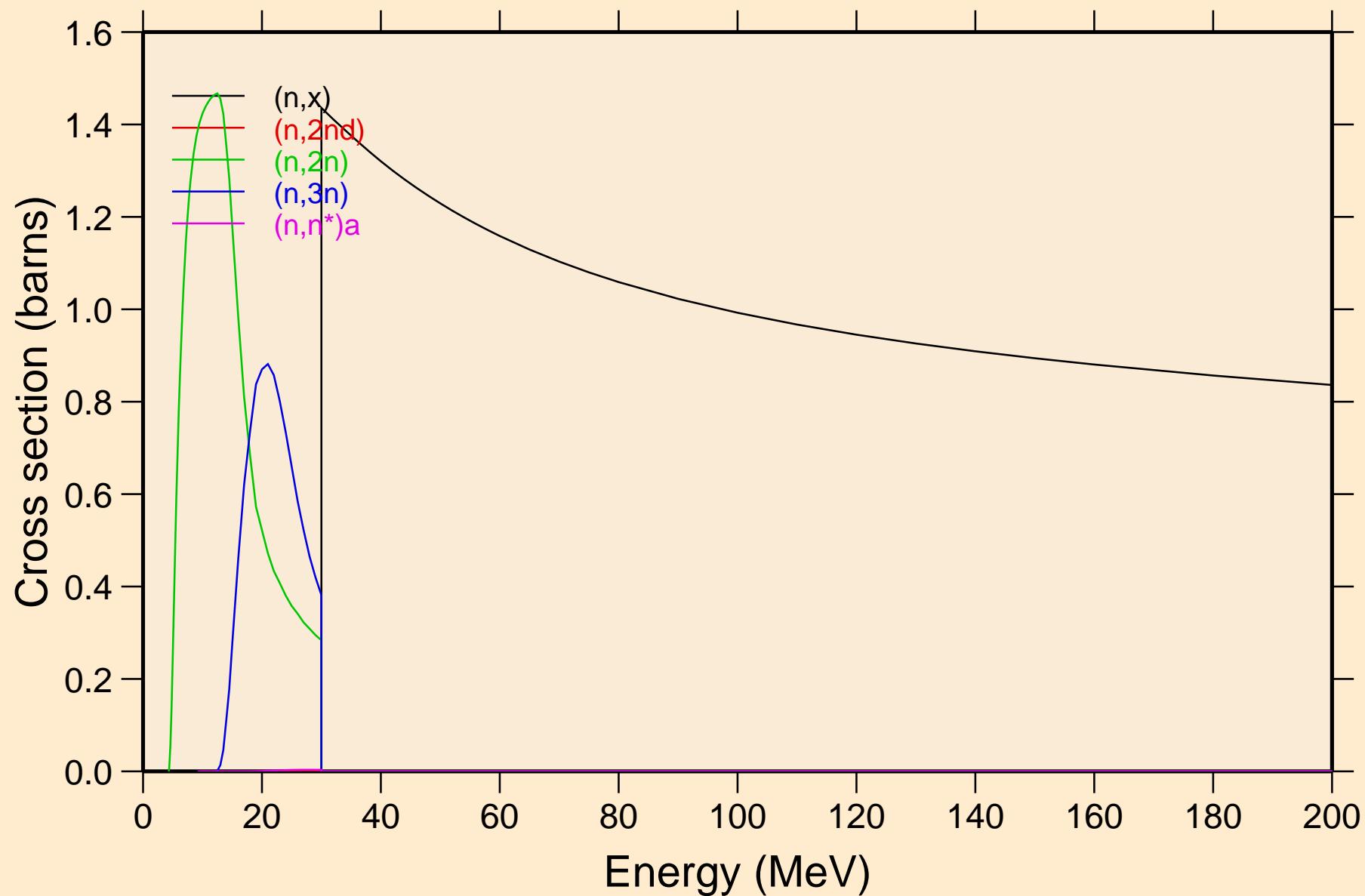
# AS084 NRG TENDL-2015, AKONING

## Inelastic levels



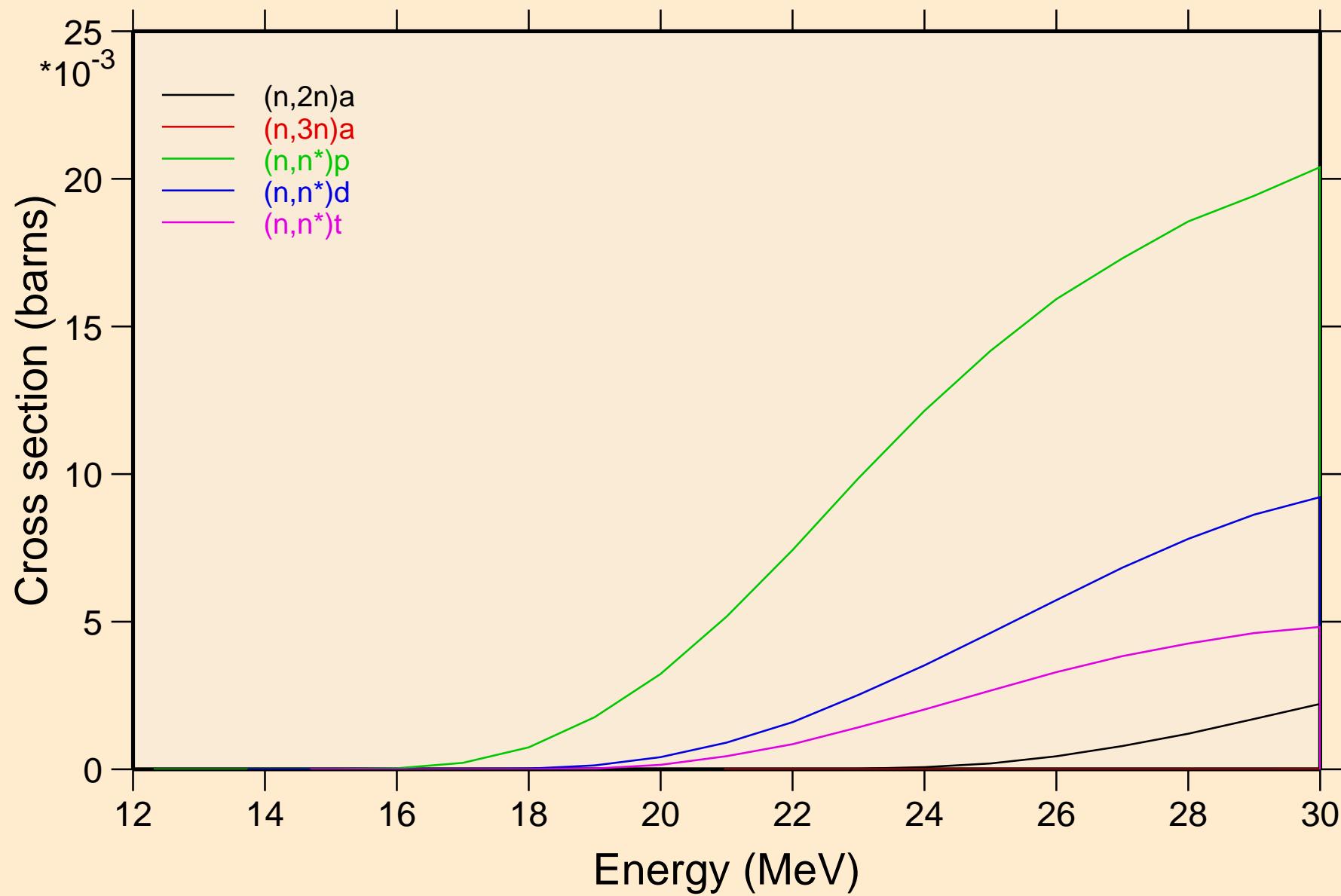
# AS084 NRG TENDL-2015, AKONING

## Threshold reactions



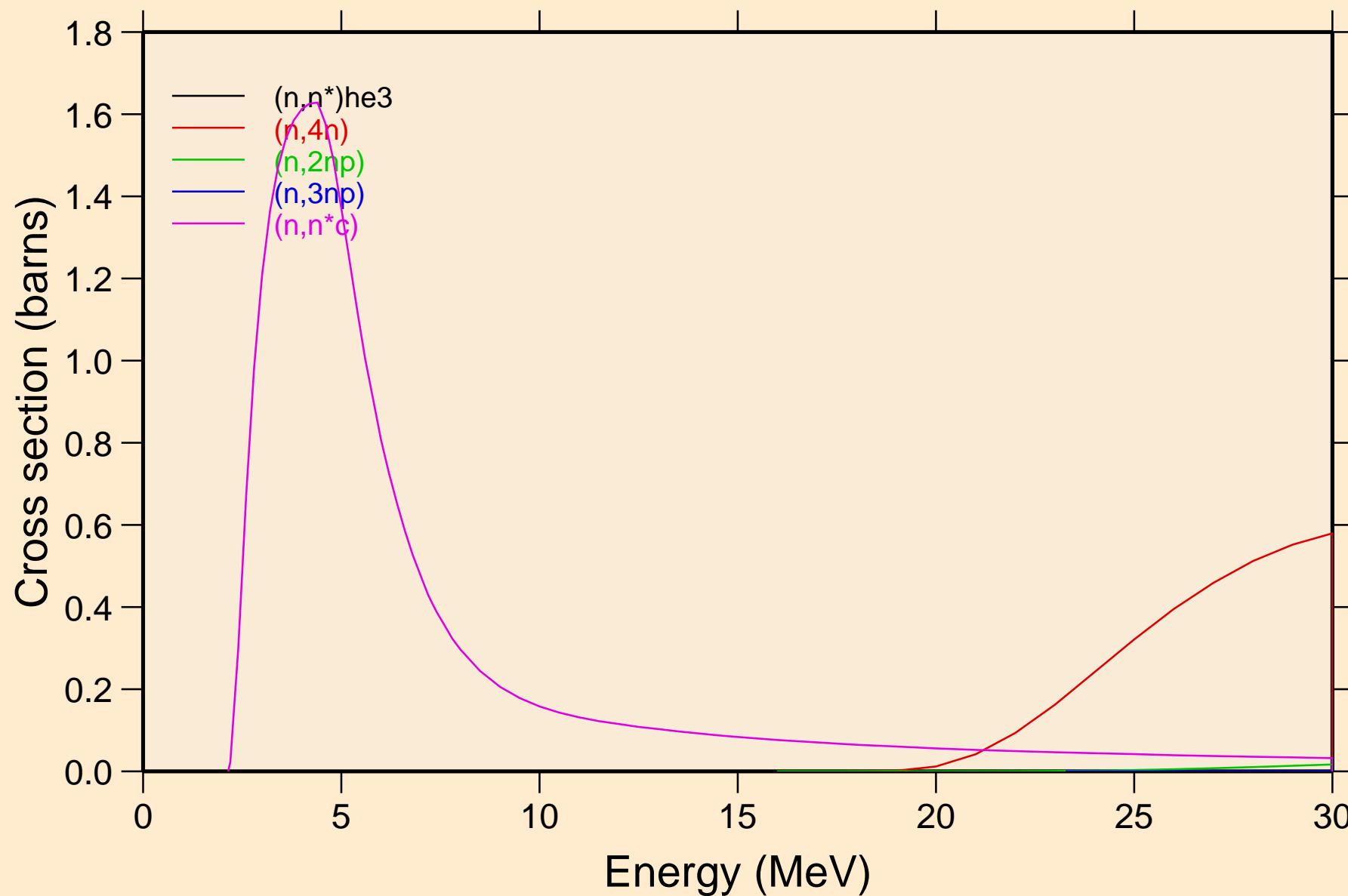
# AS084 NRG TENDL-2015, AKONING

## Threshold reactions



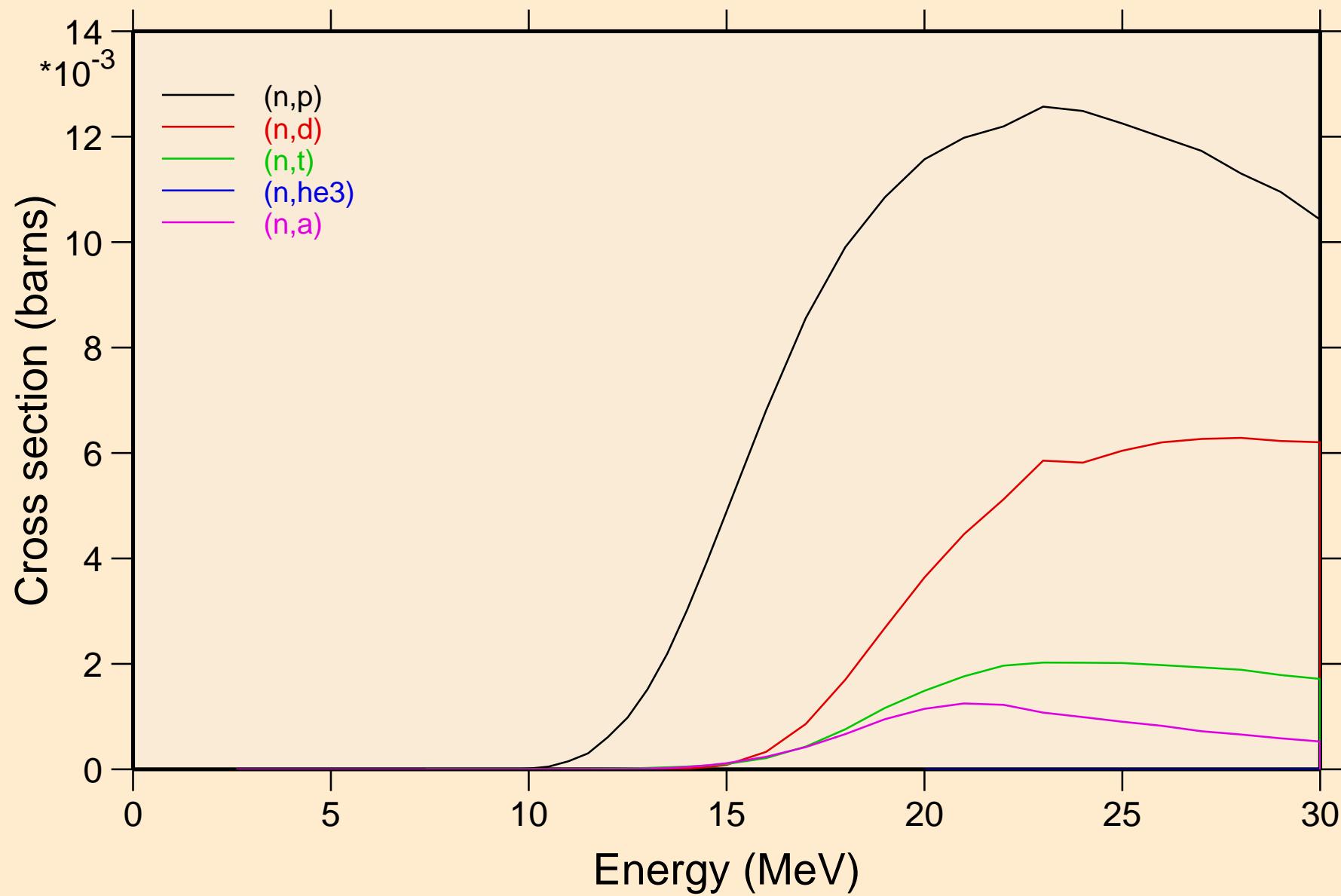
# AS084 NRG TENDL-2015, AKONING

## Threshold reactions

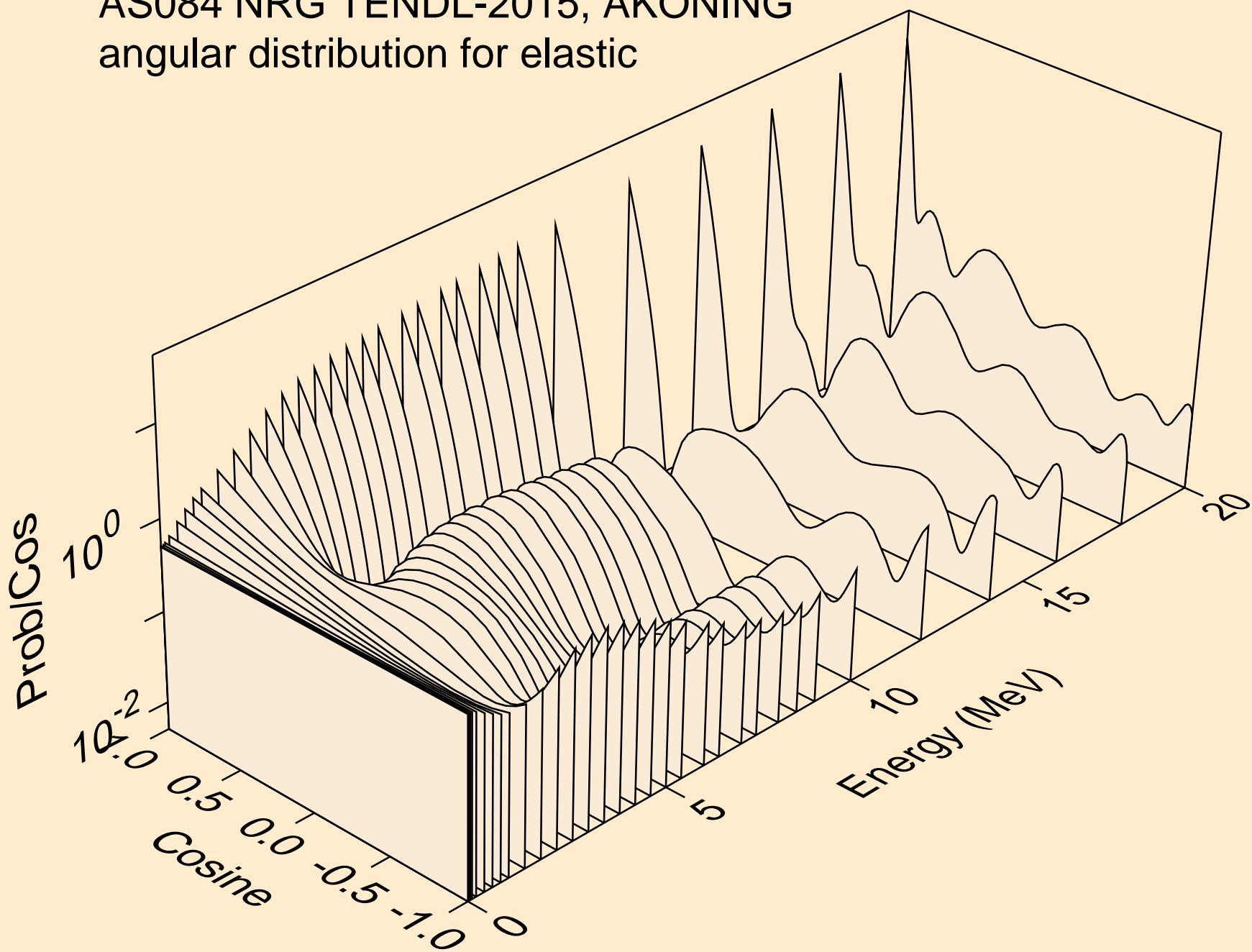


# AS084 NRG TENDL-2015, AKONING

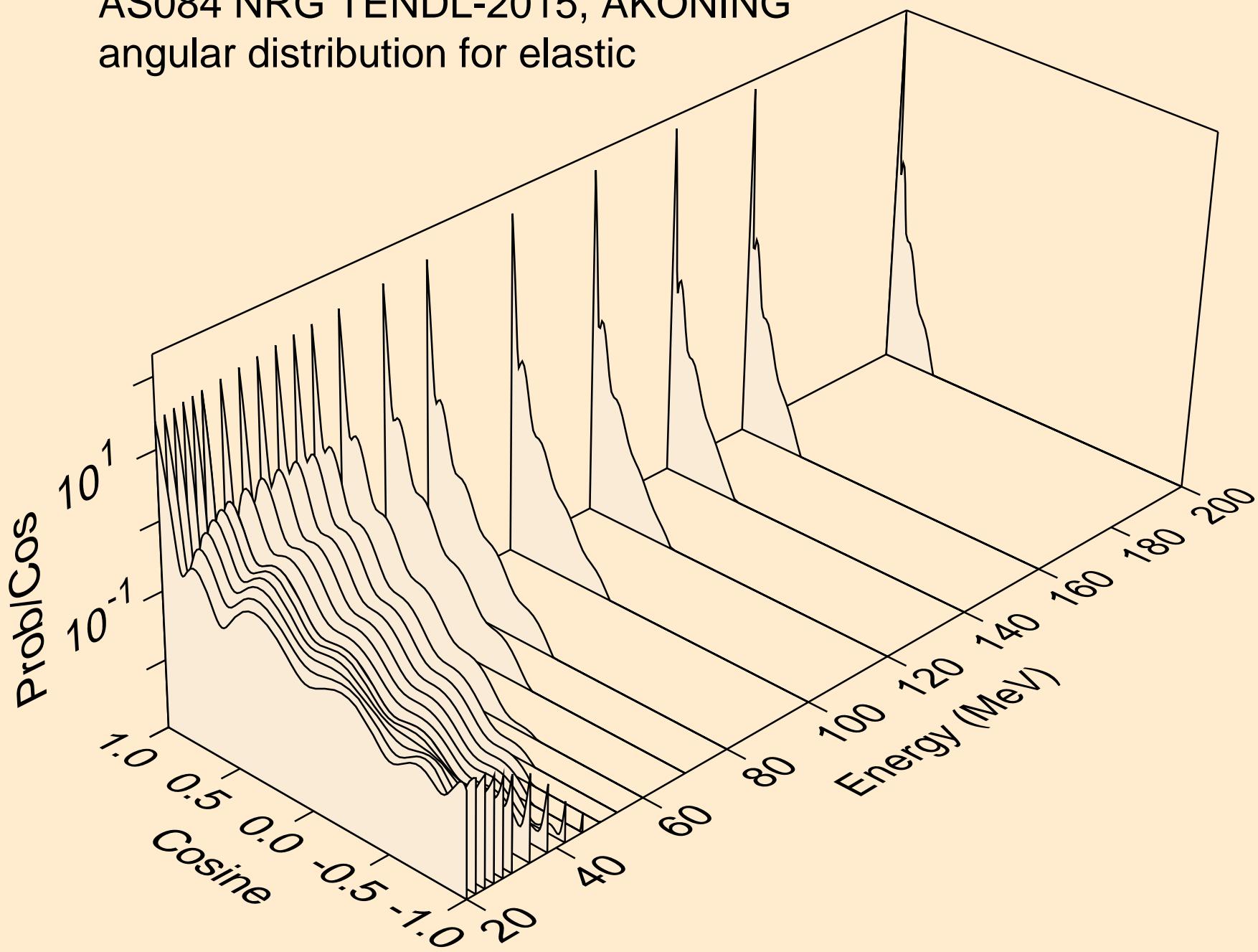
## Threshold reactions



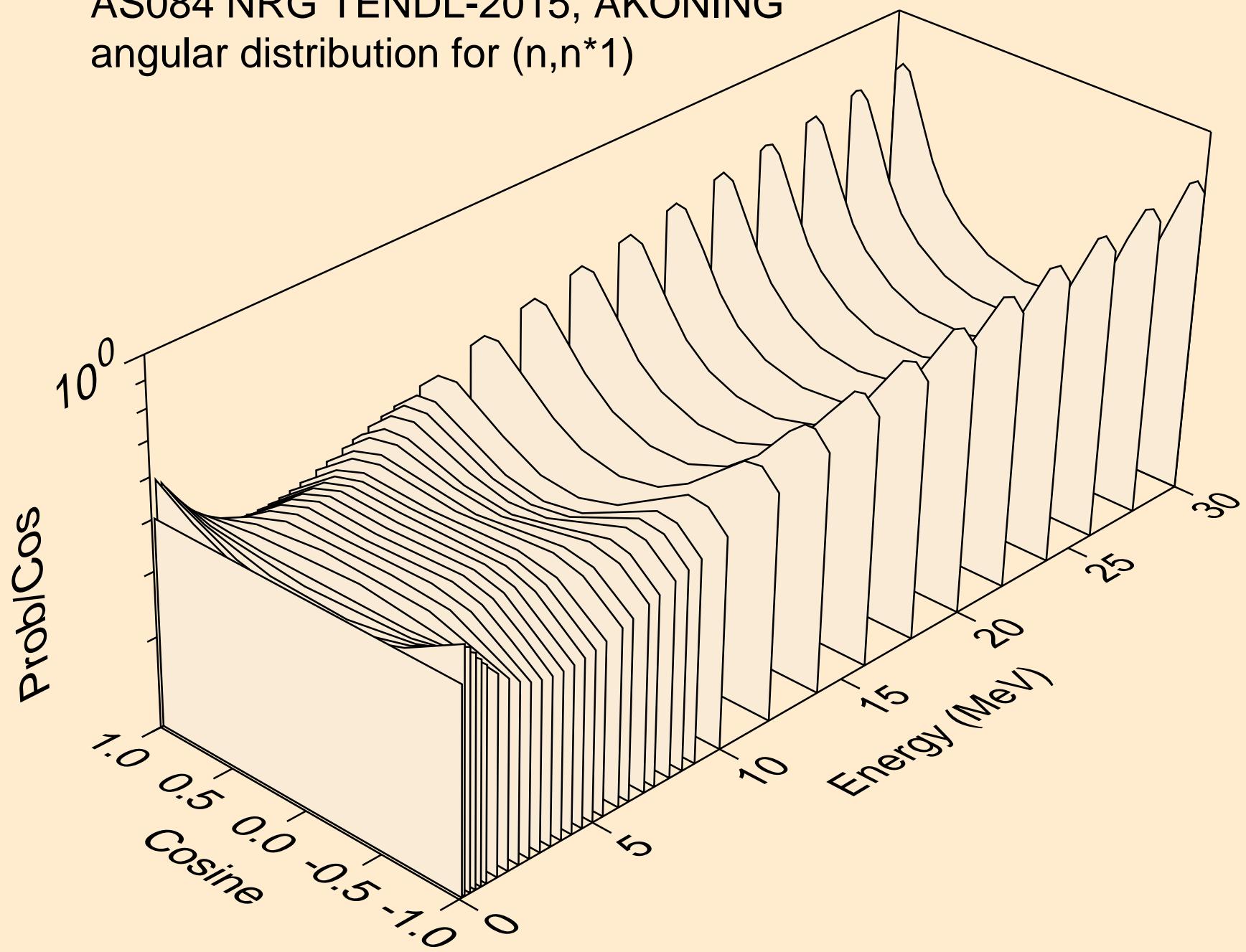
AS084 NRG TENDL-2015, AKONING  
angular distribution for elastic



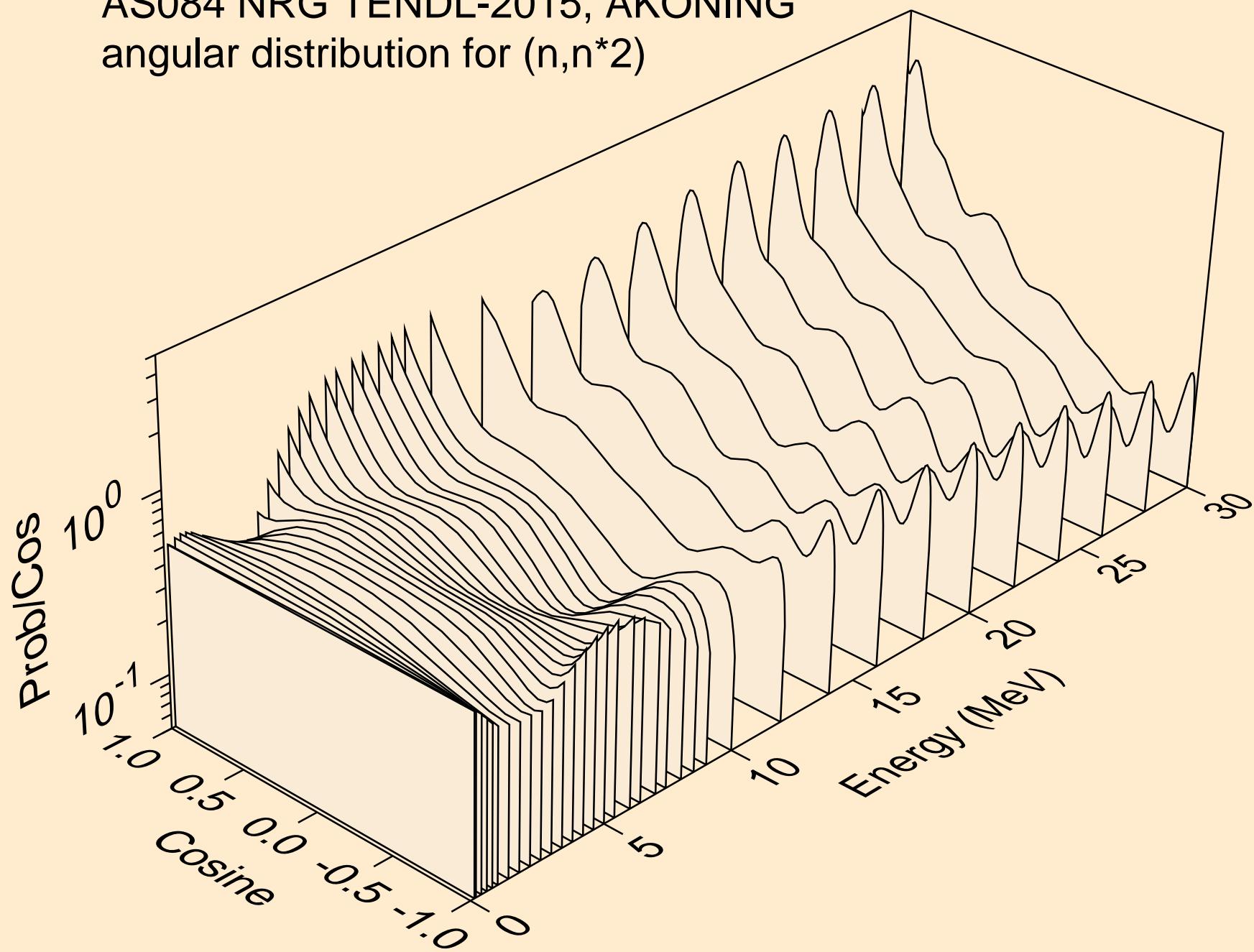
AS084 NRG TENDL-2015, AKONING  
angular distribution for elastic



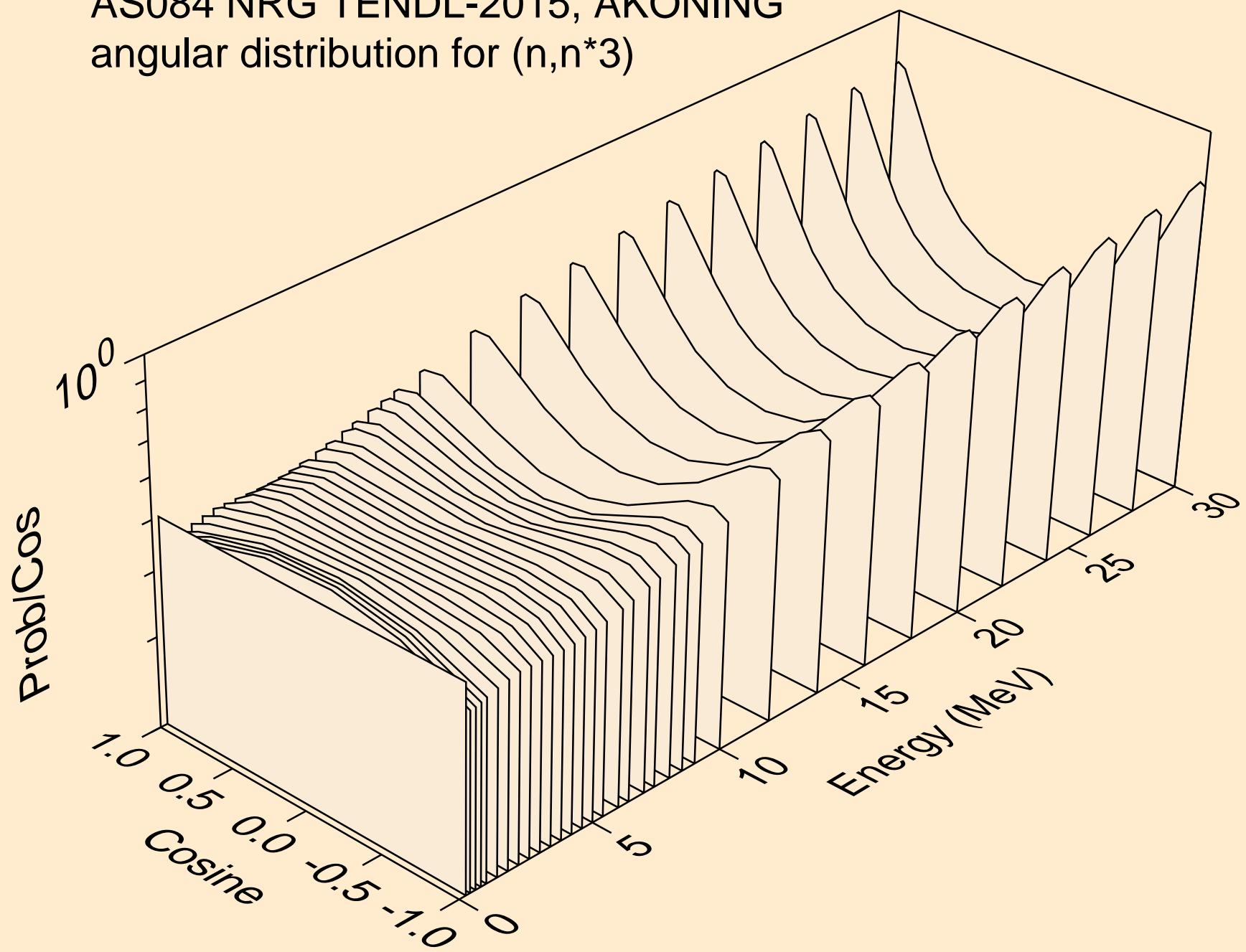
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



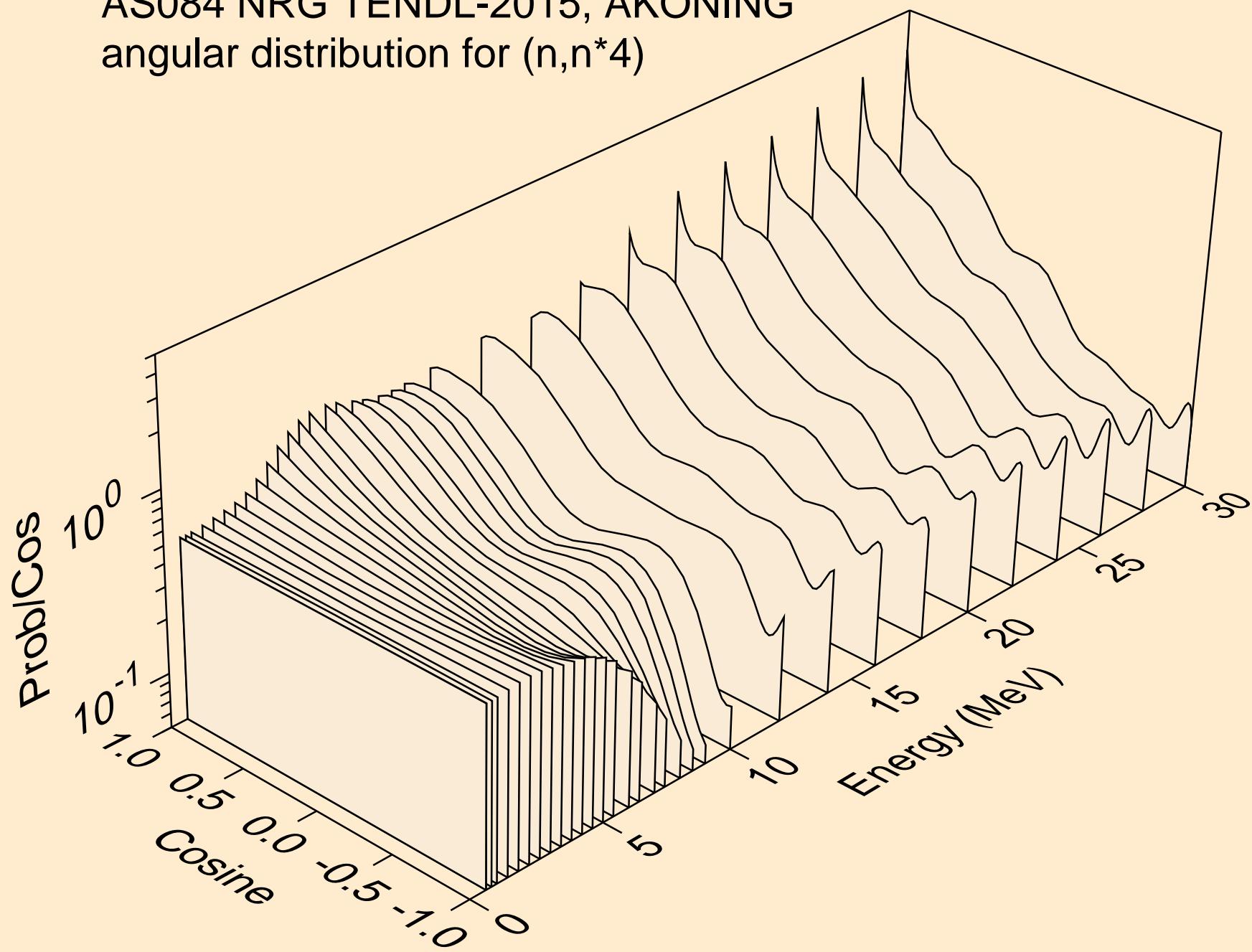
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*2)$



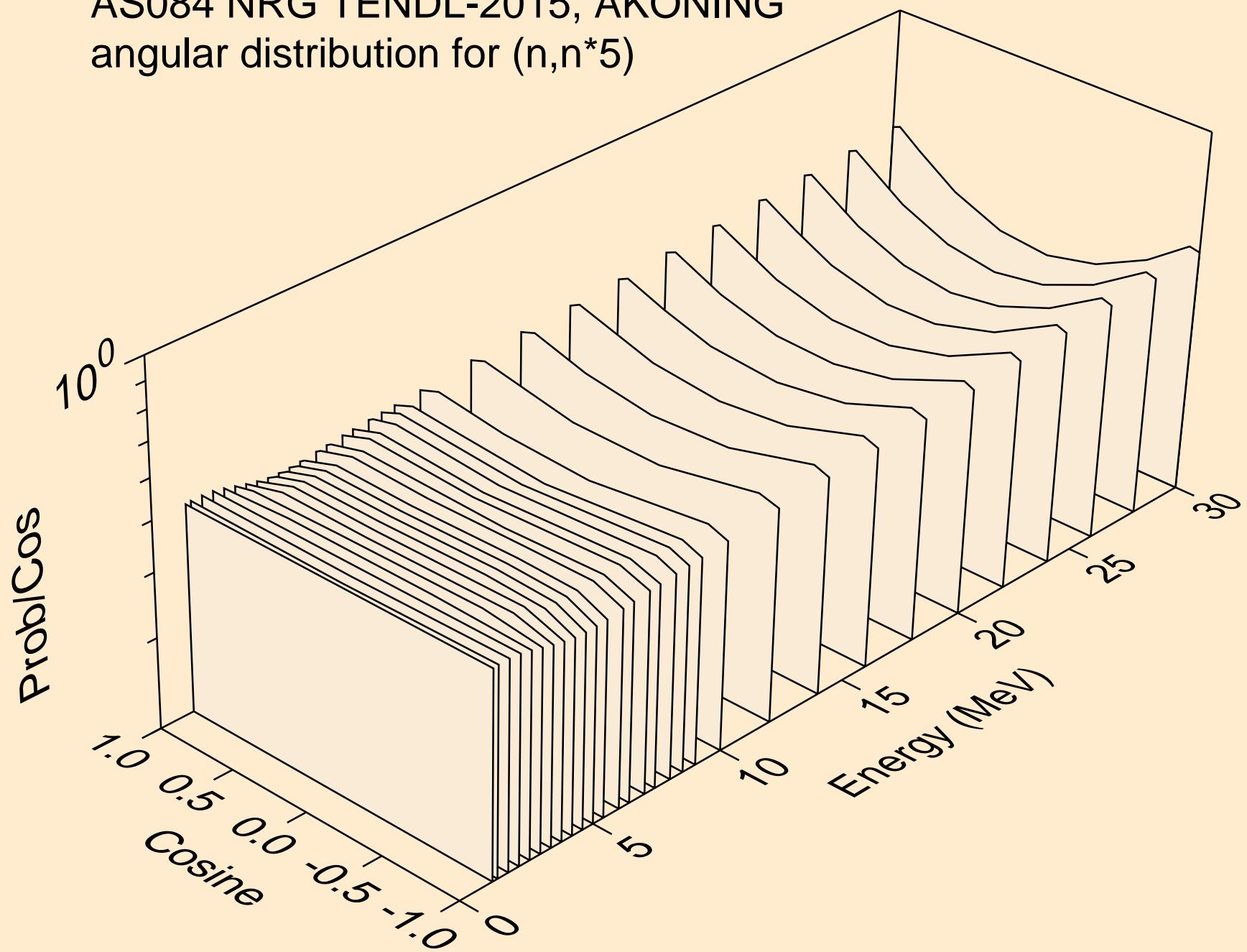
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



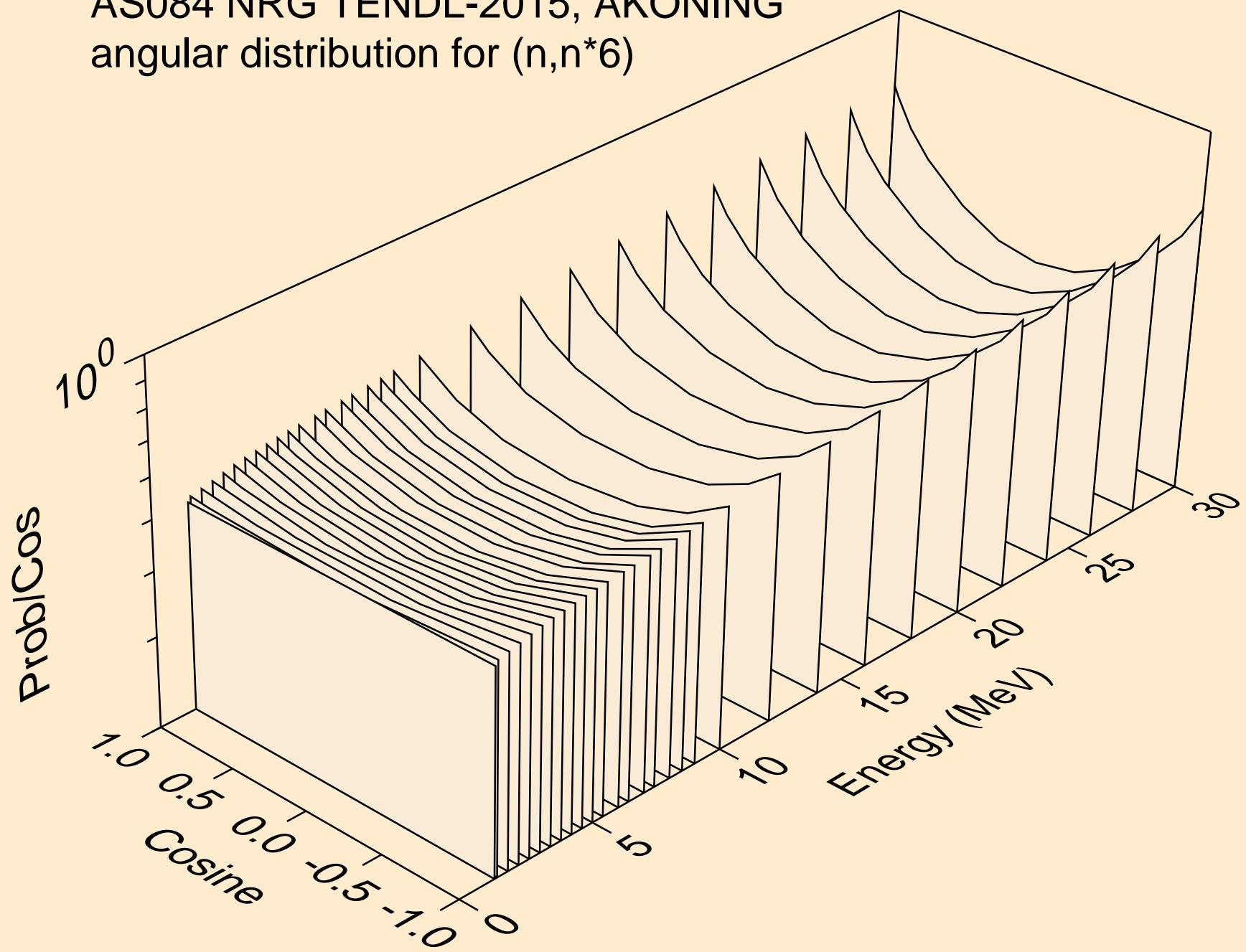
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



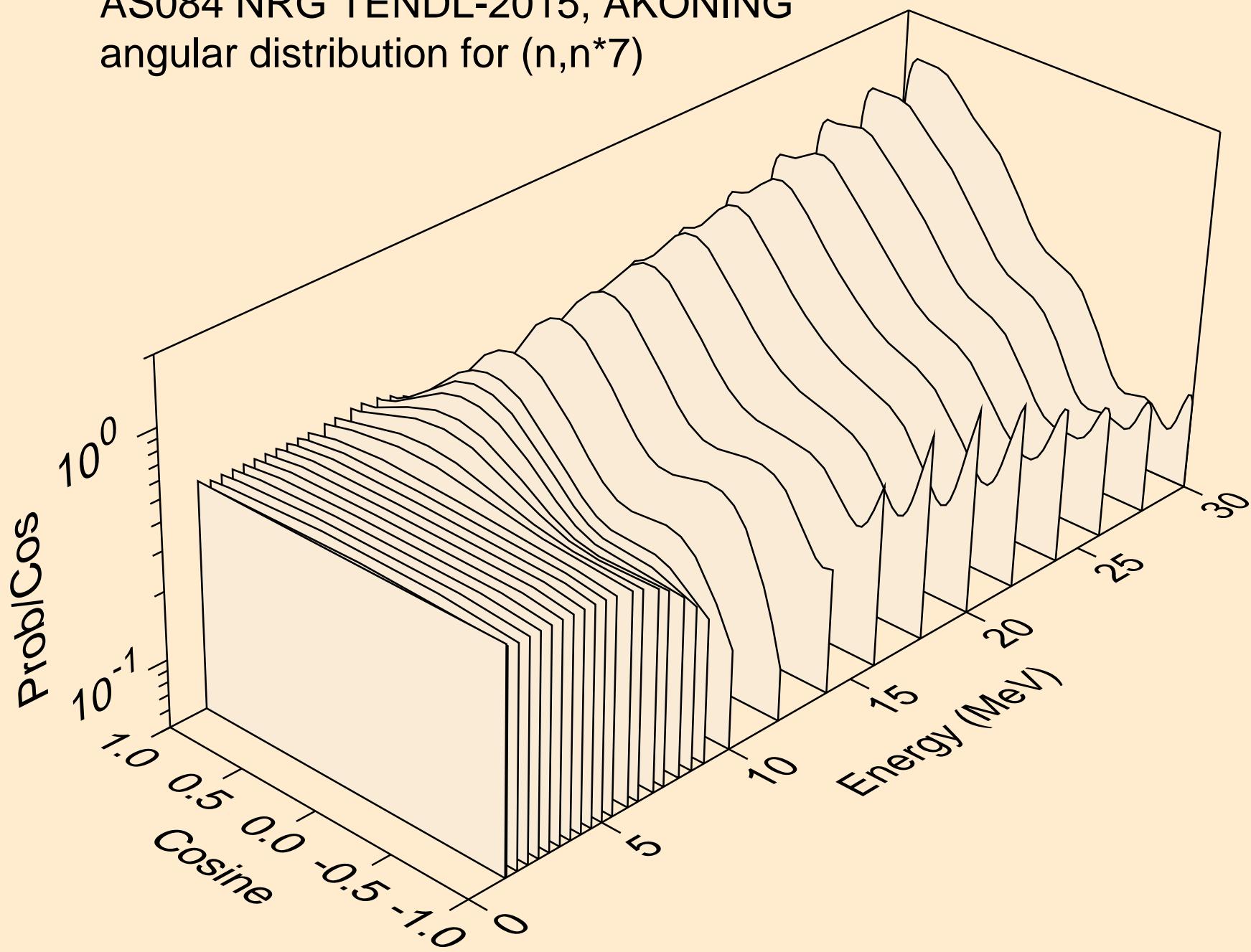
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



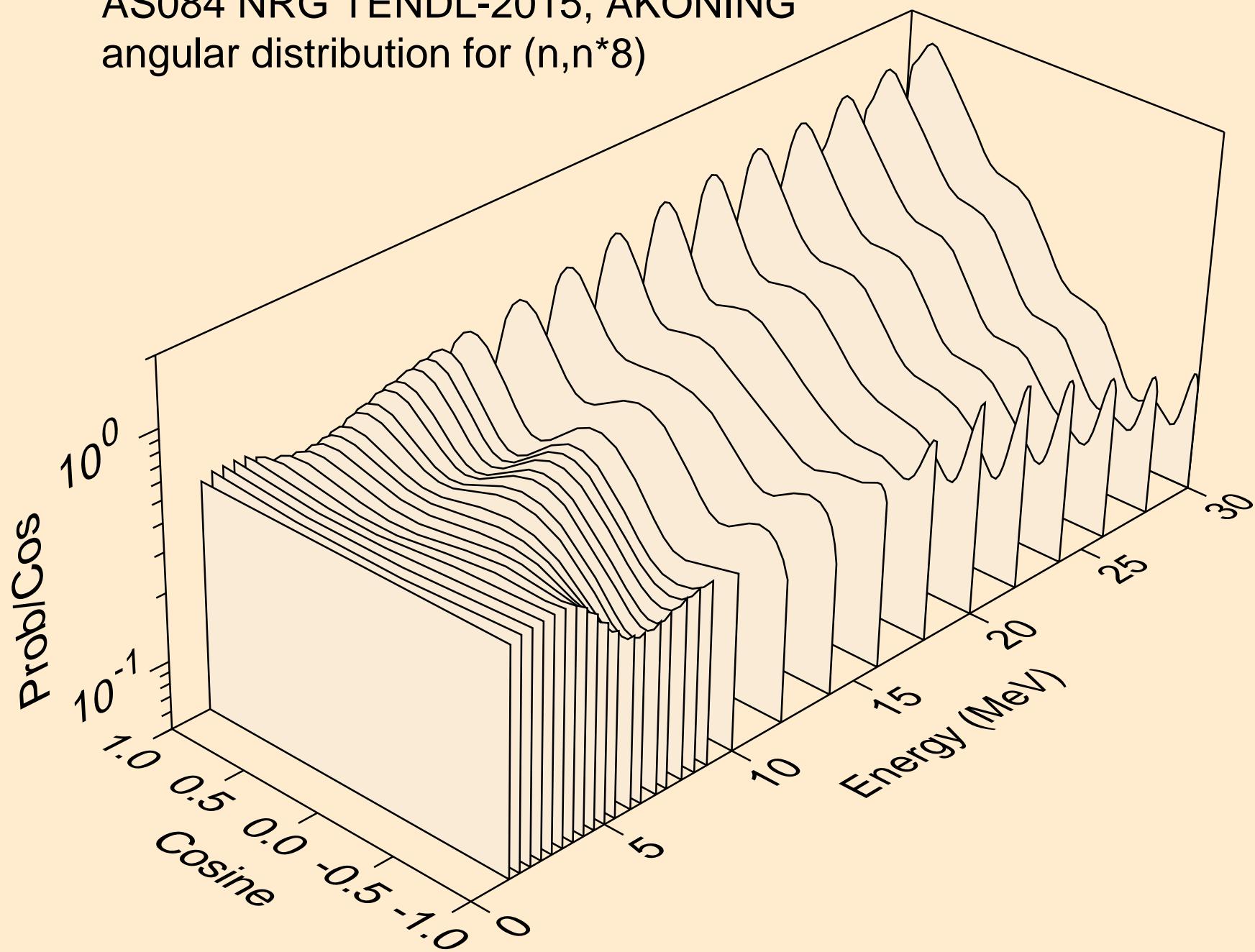
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



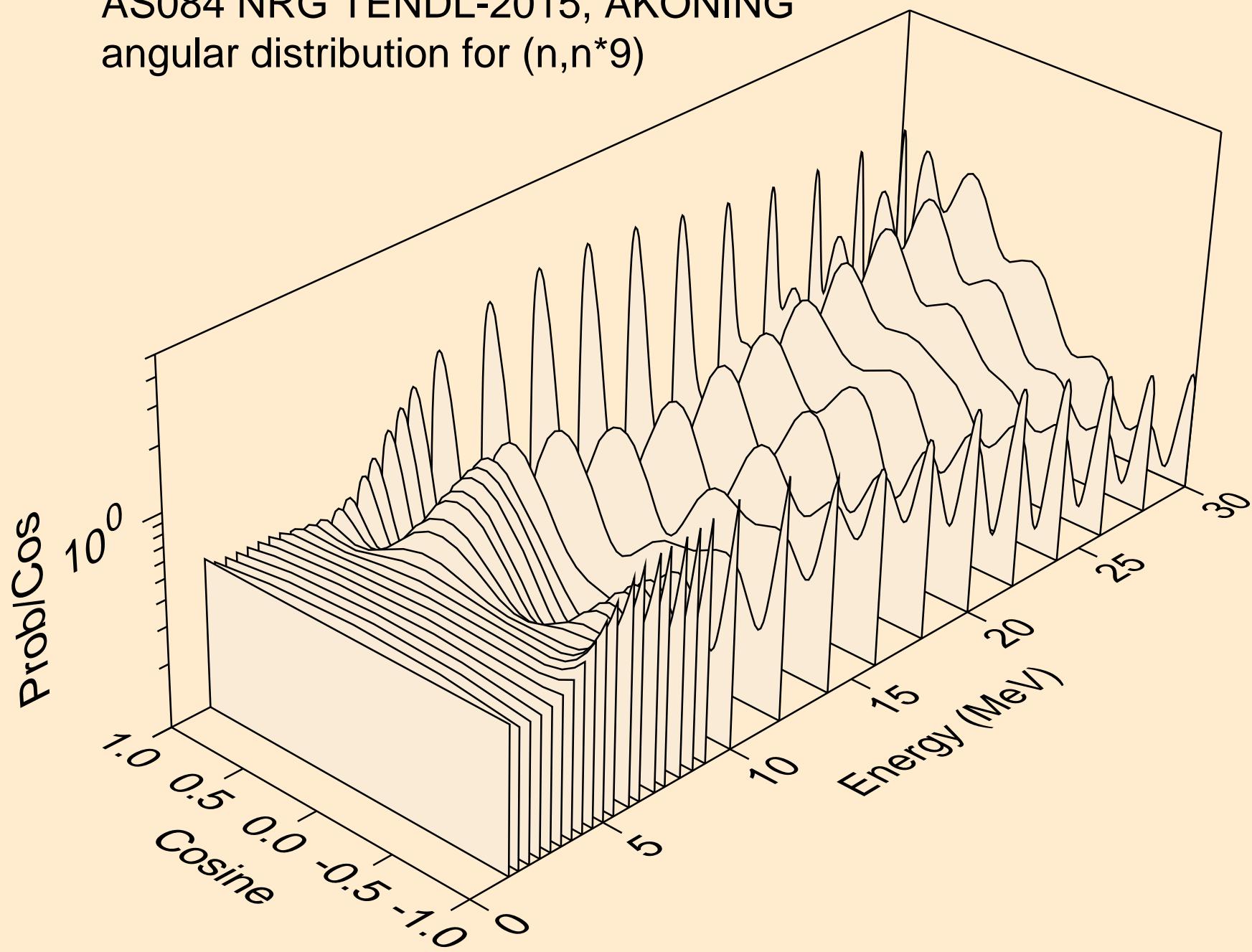
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



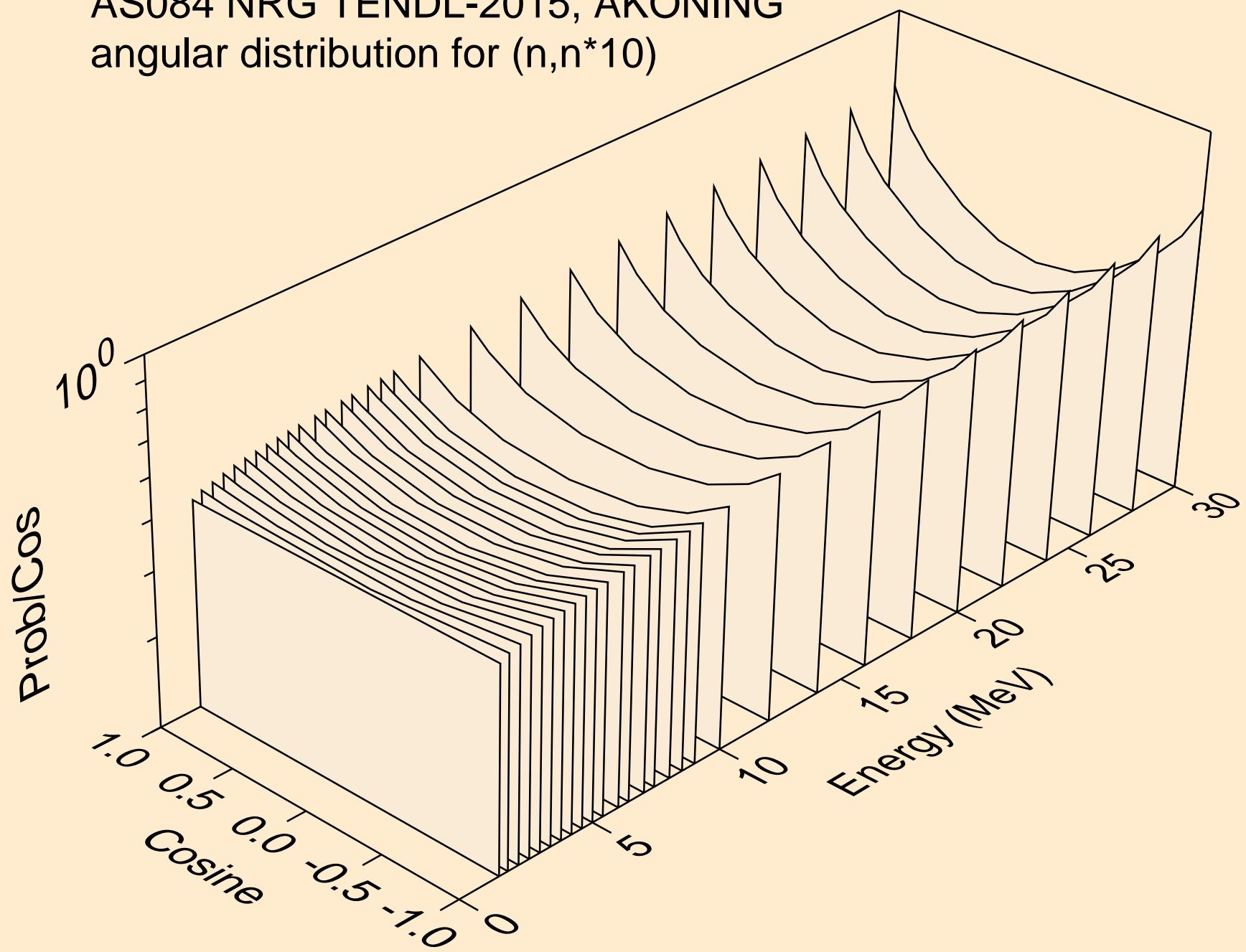
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



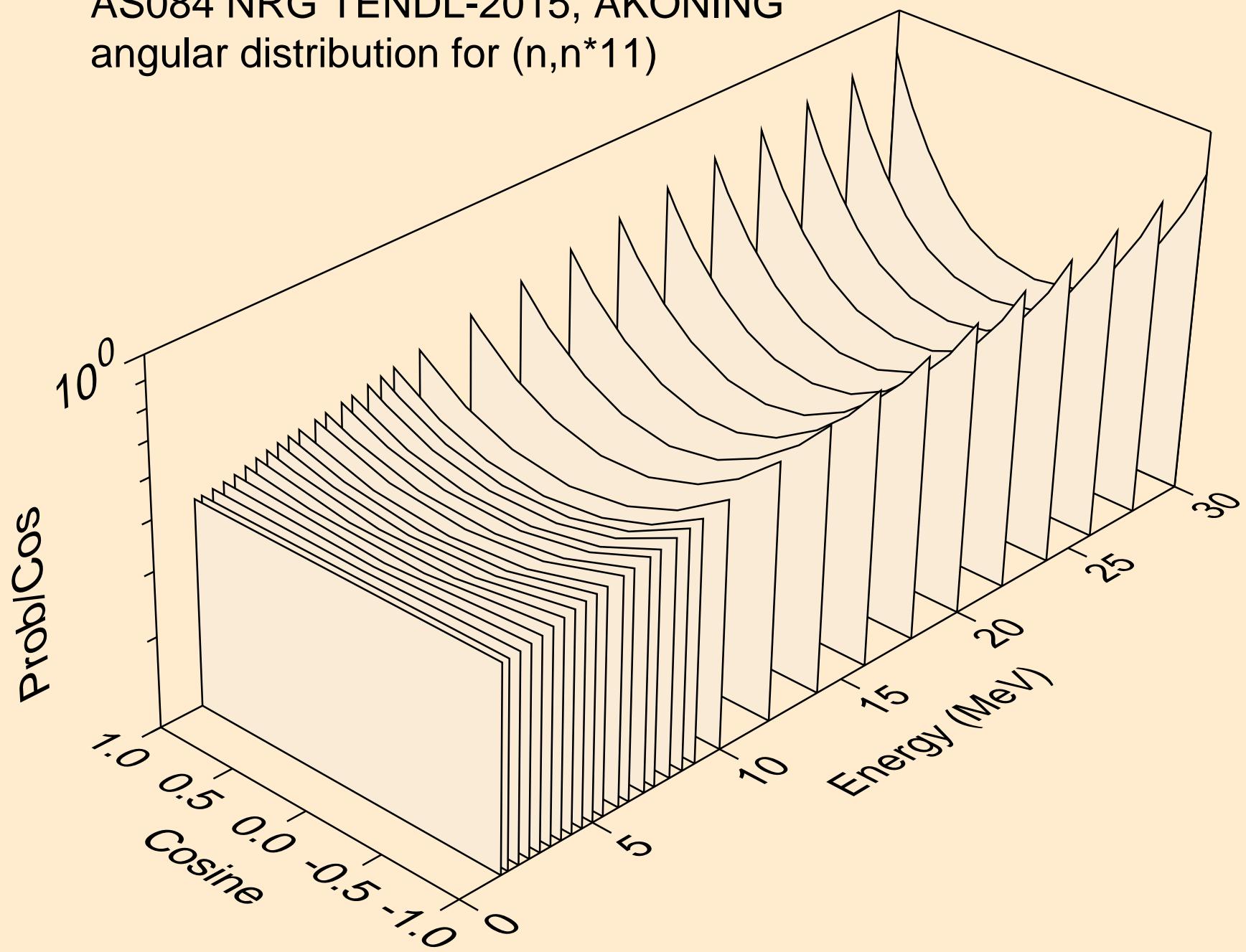
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)9$



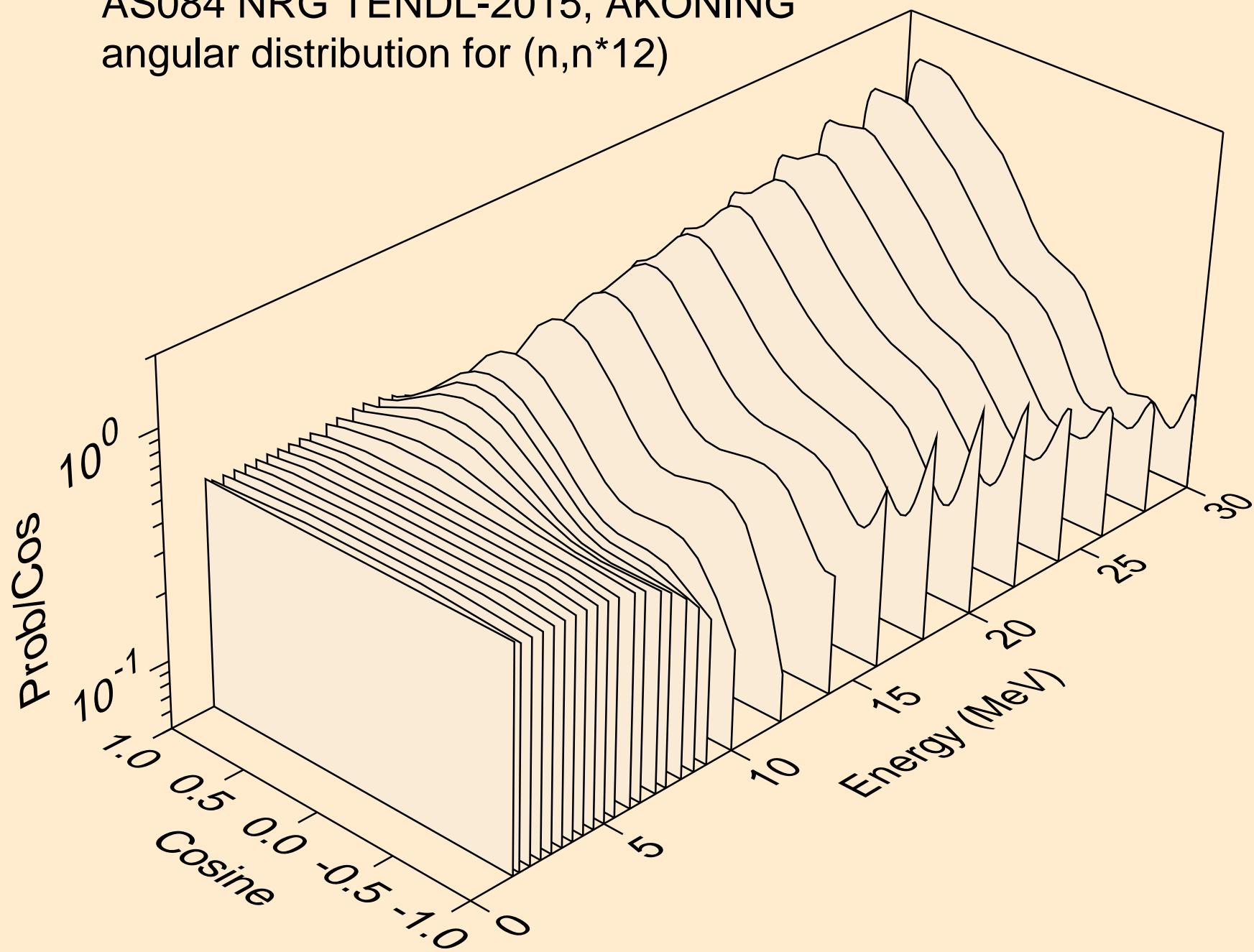
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



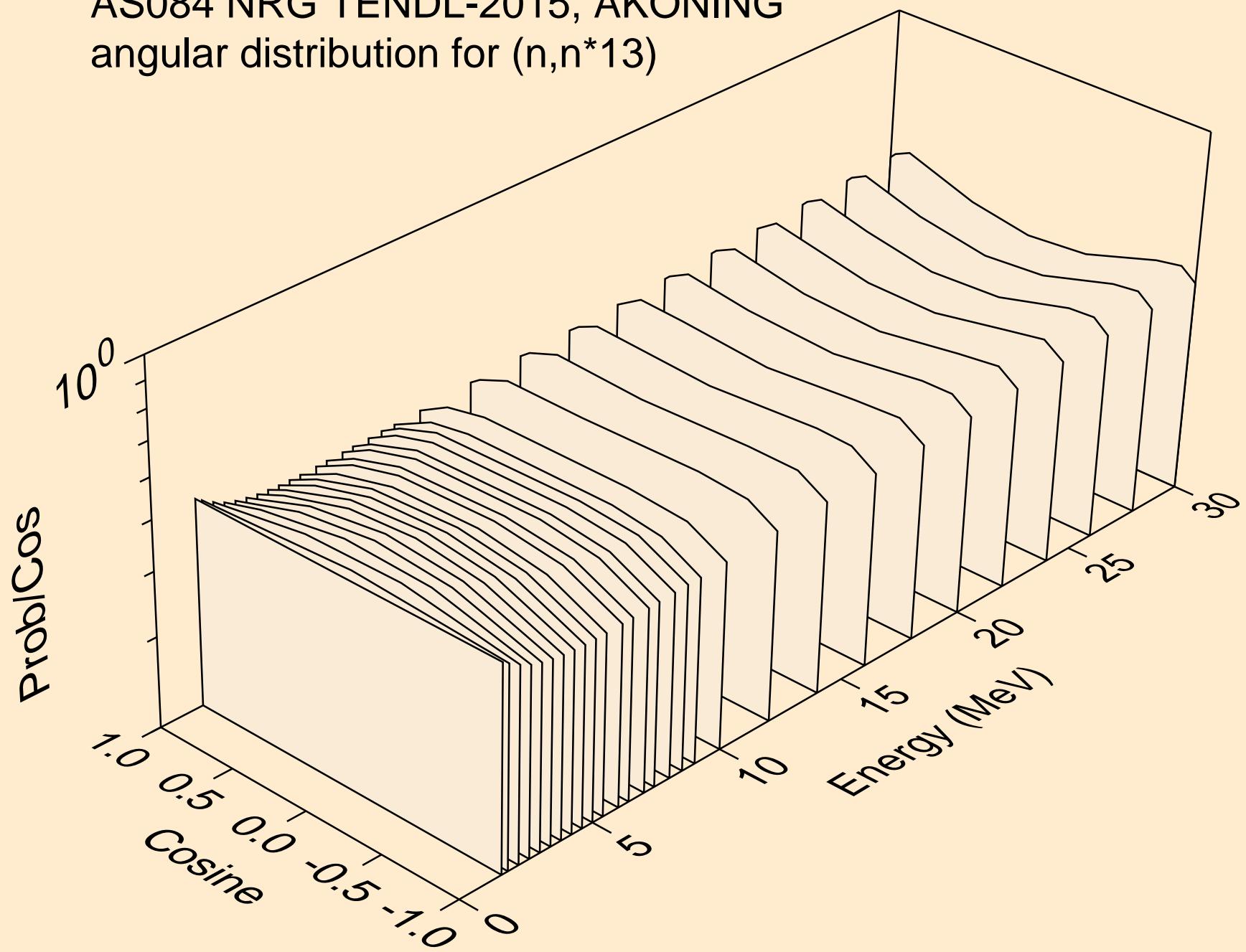
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



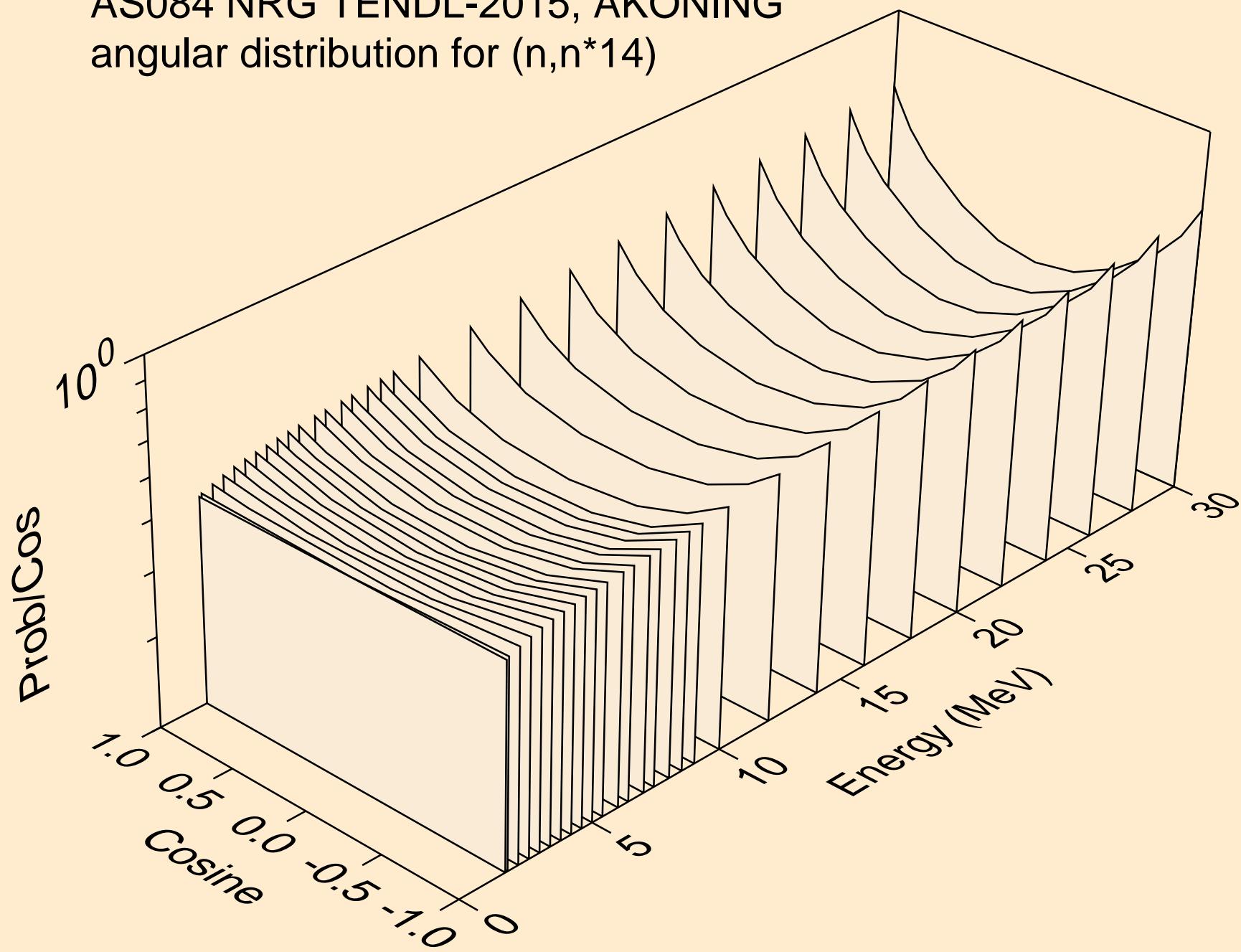
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*12)$



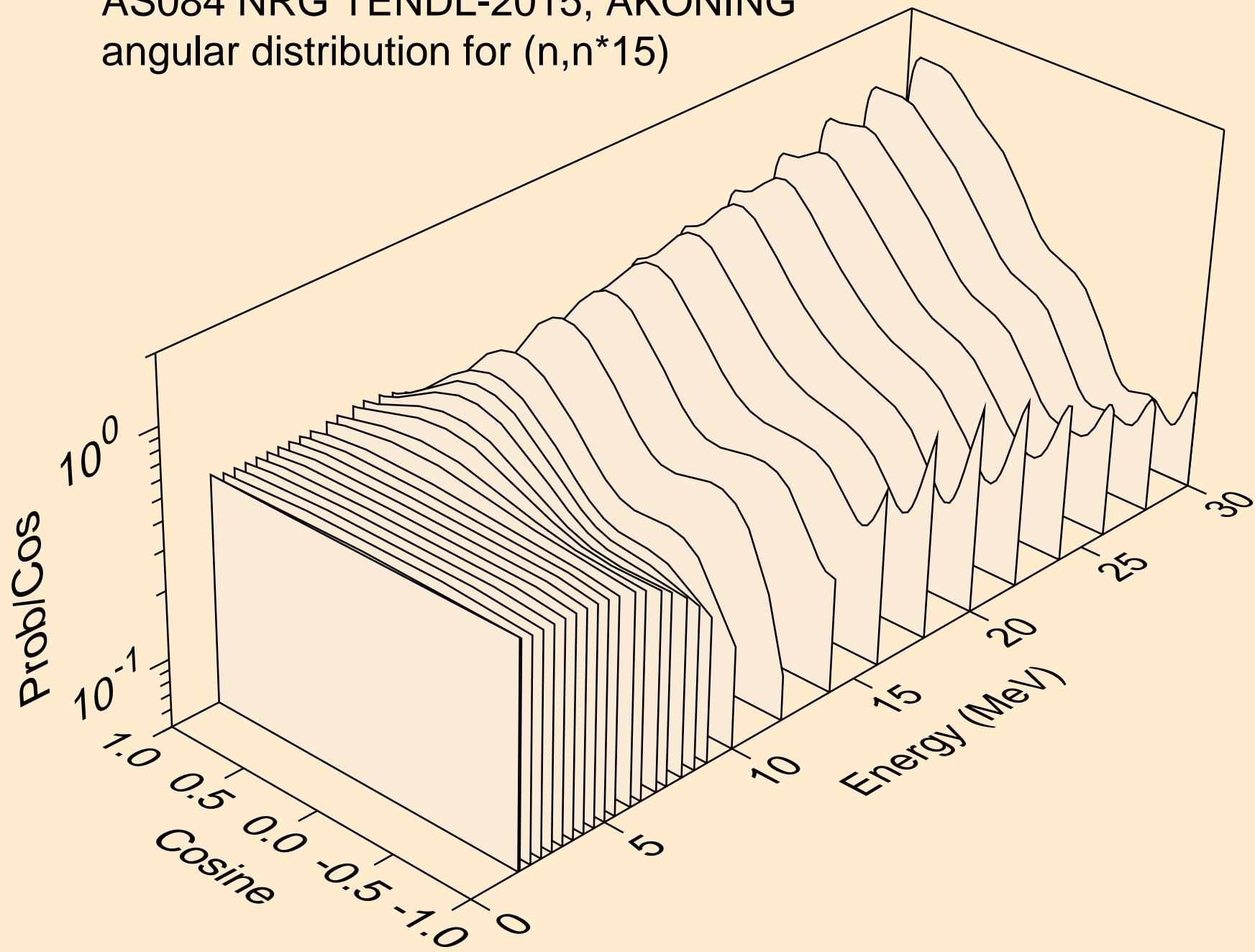
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



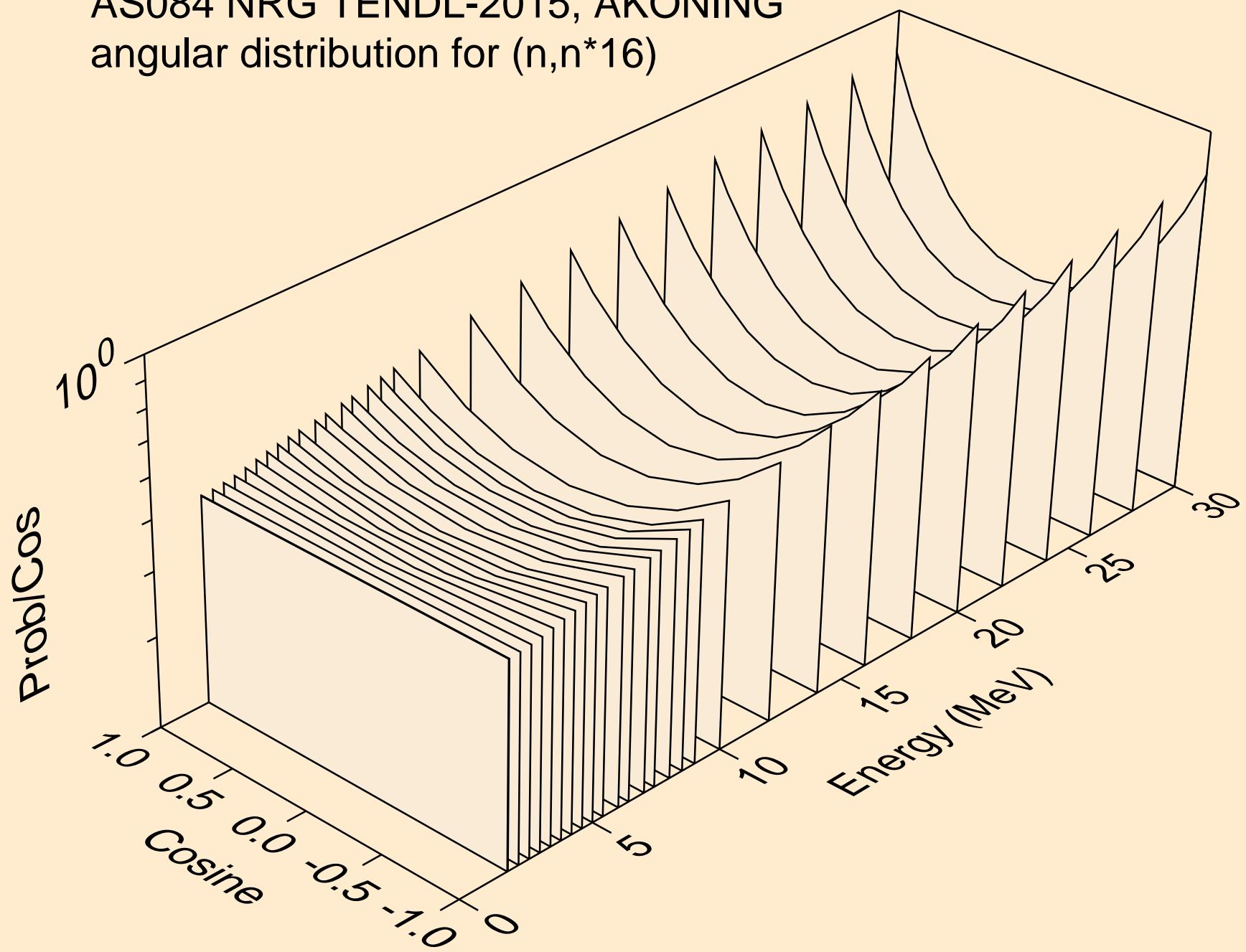
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angular distribution for (n,n\*14)



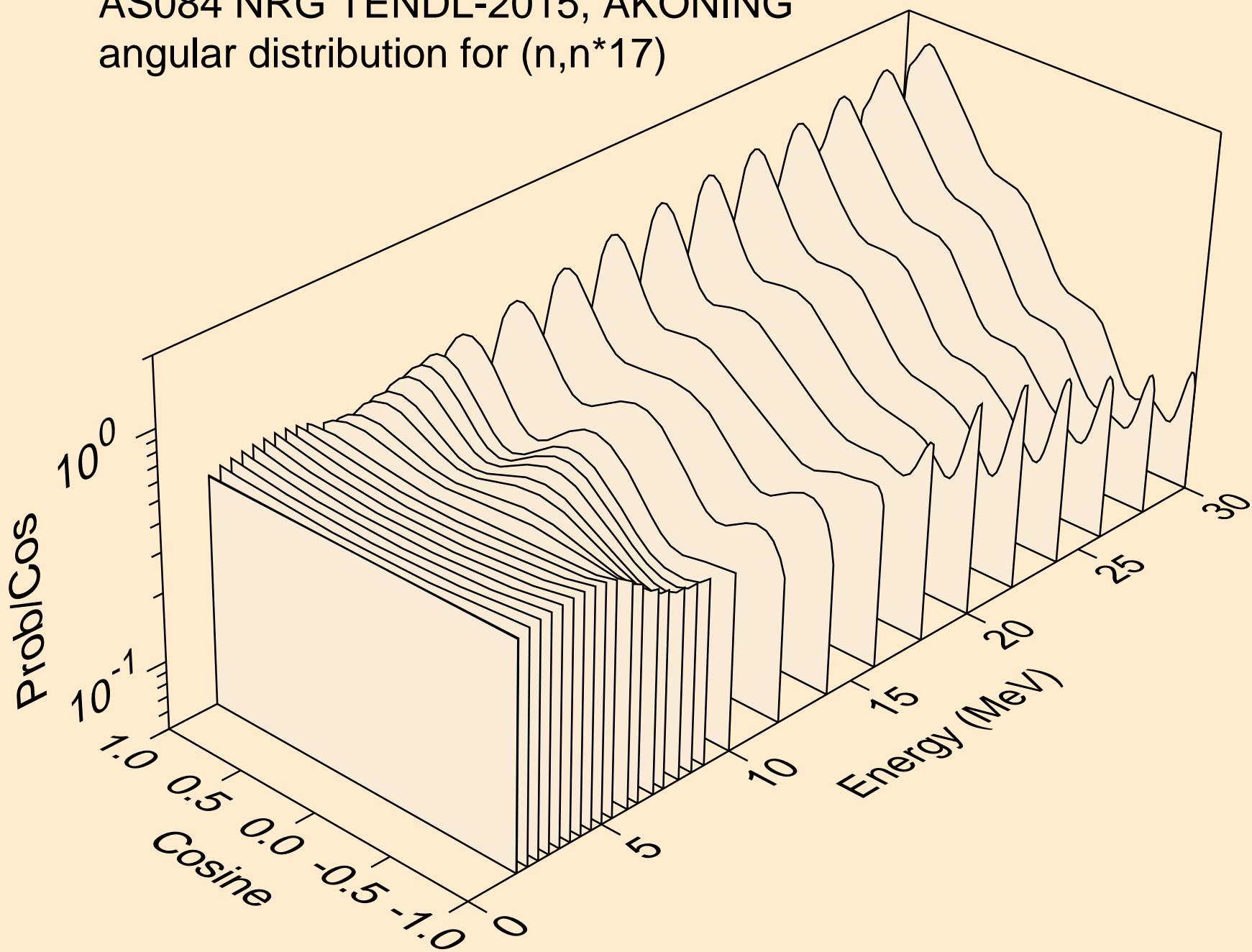
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



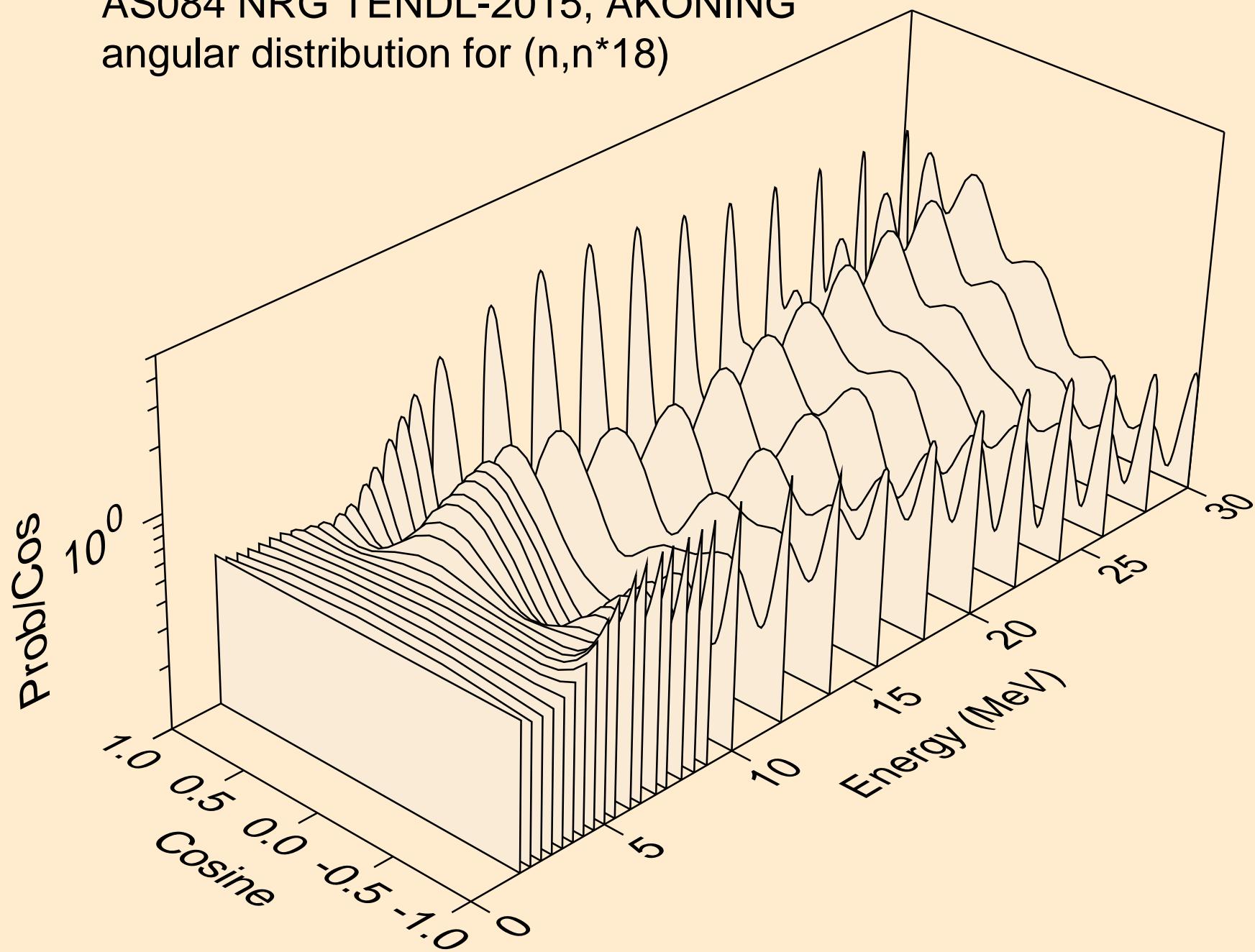
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



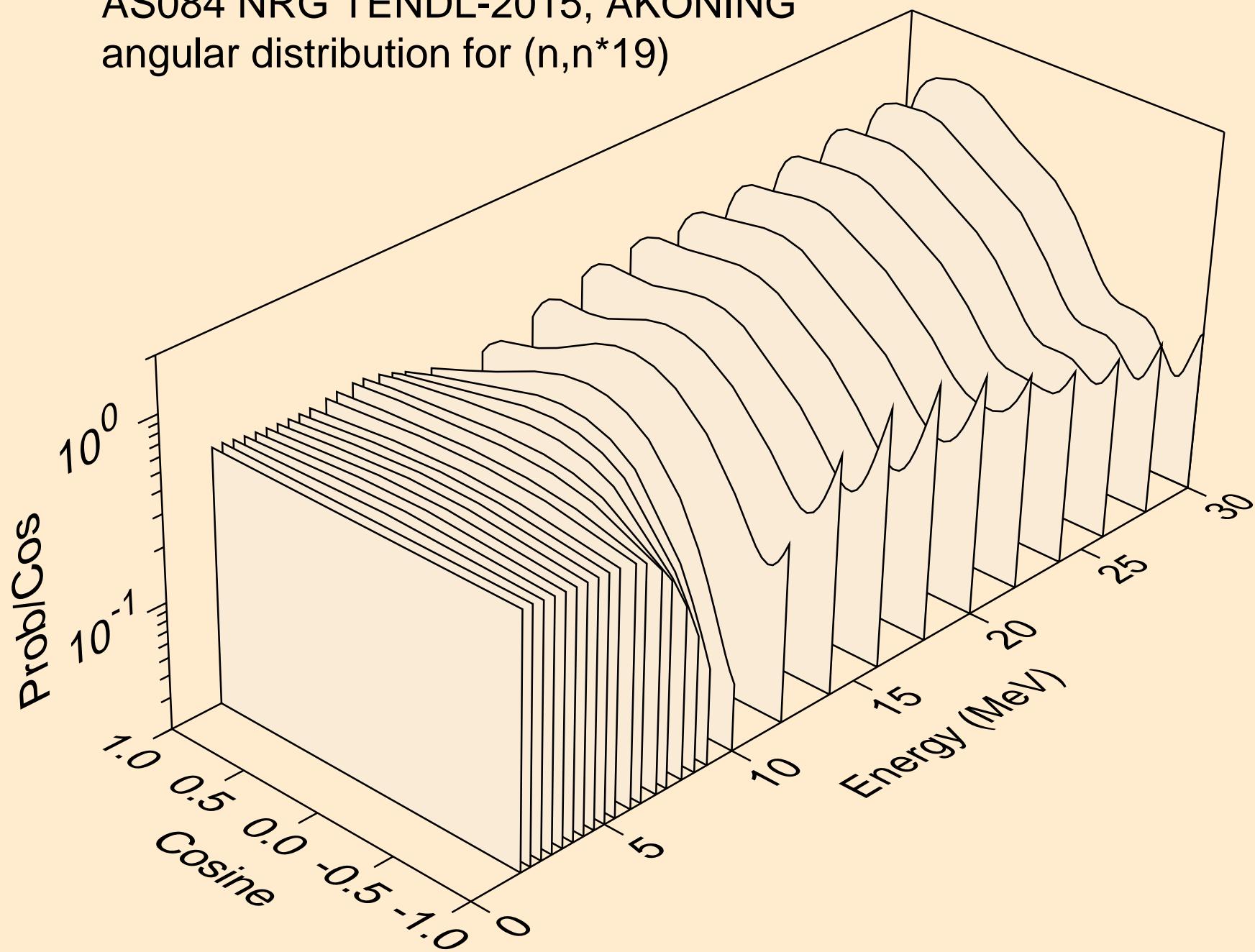
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*17)$



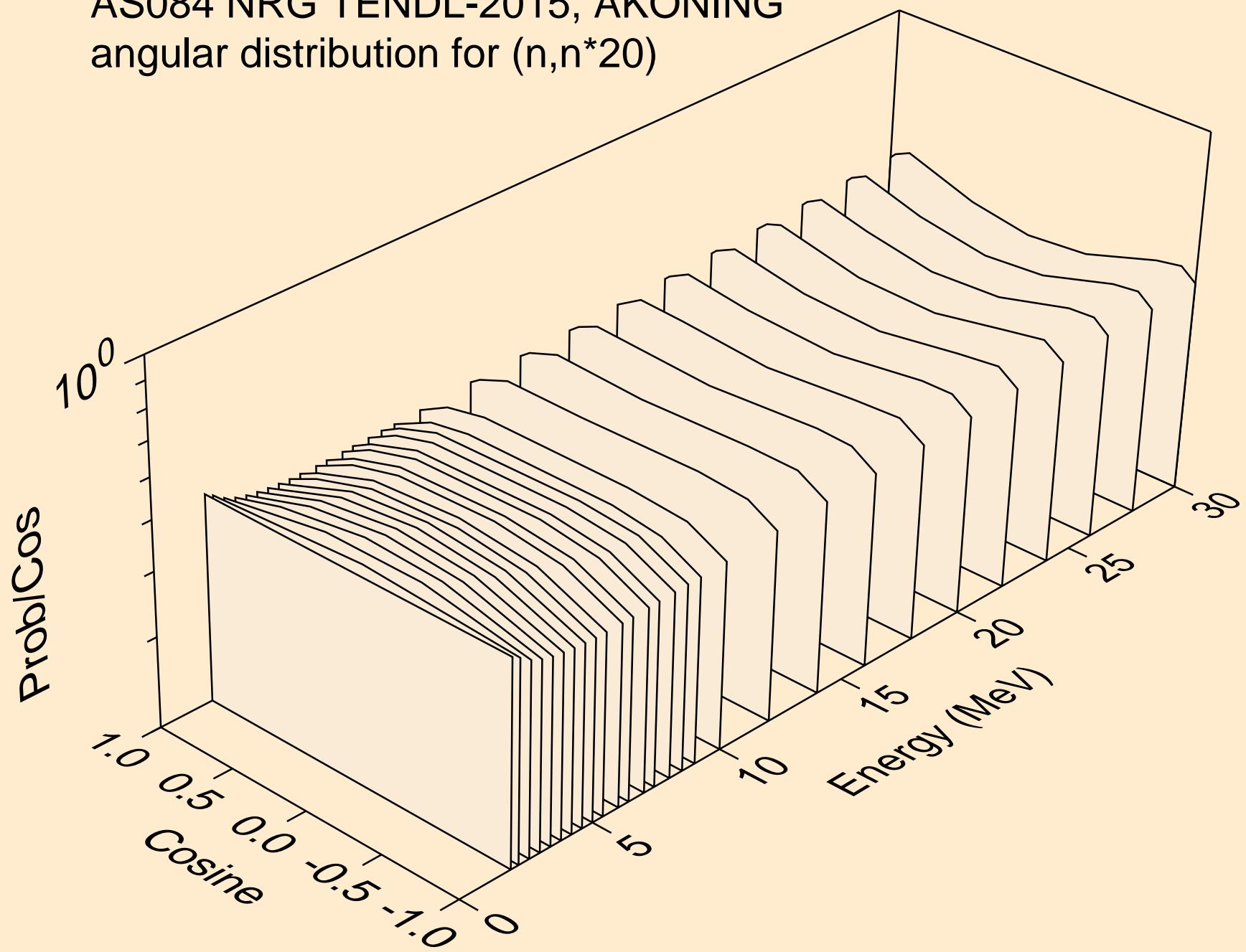
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



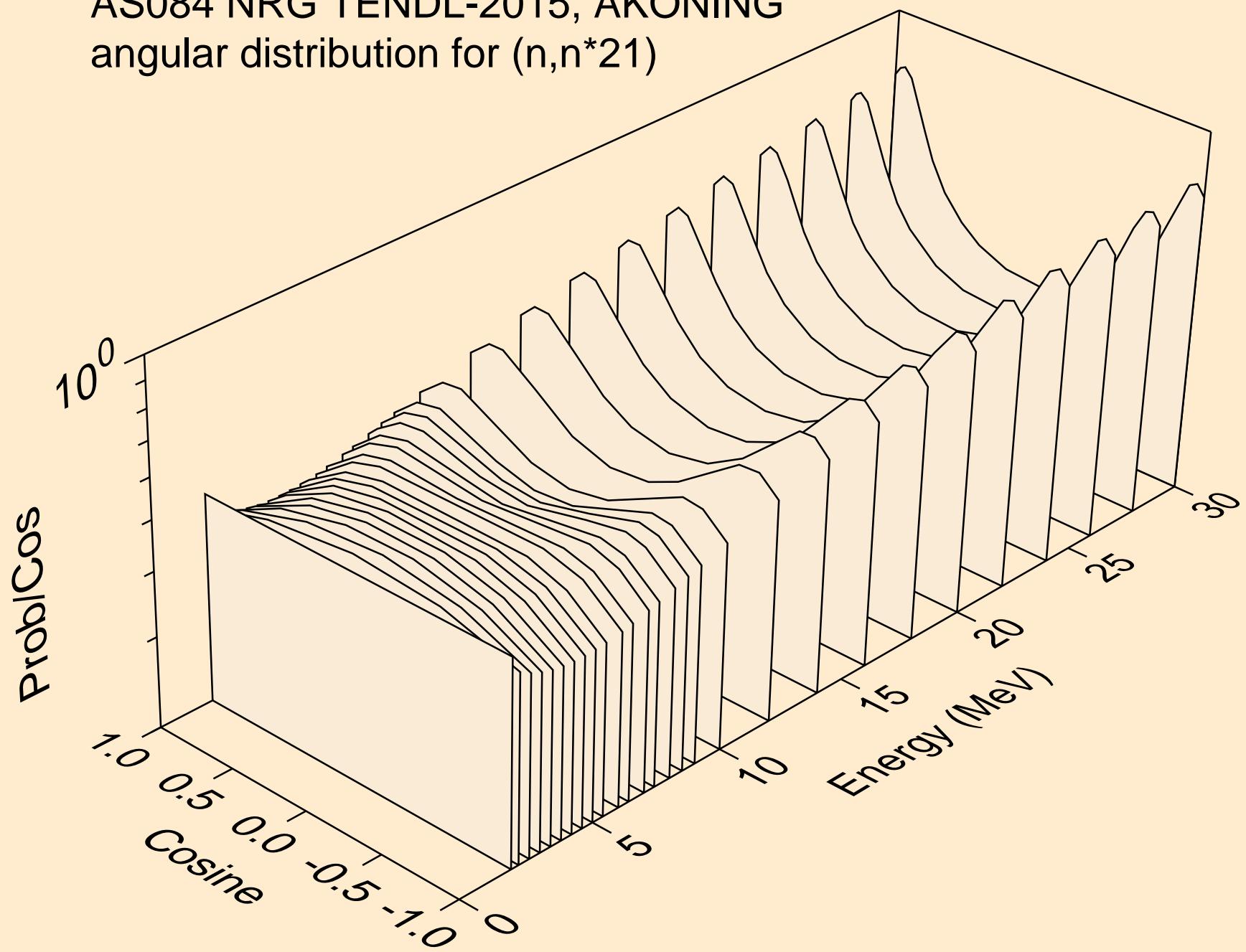
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



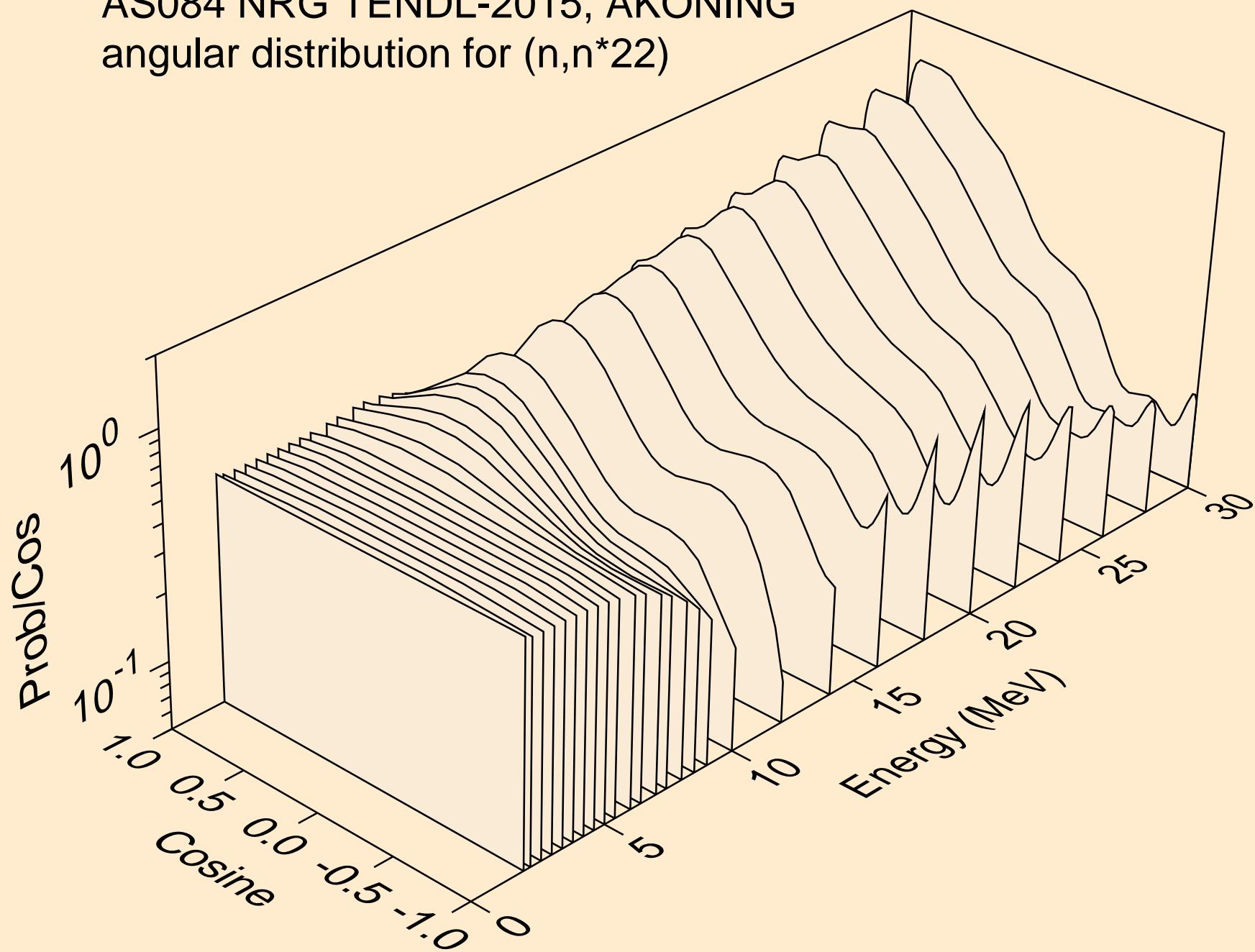
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angular distribution for (n,n\*20)



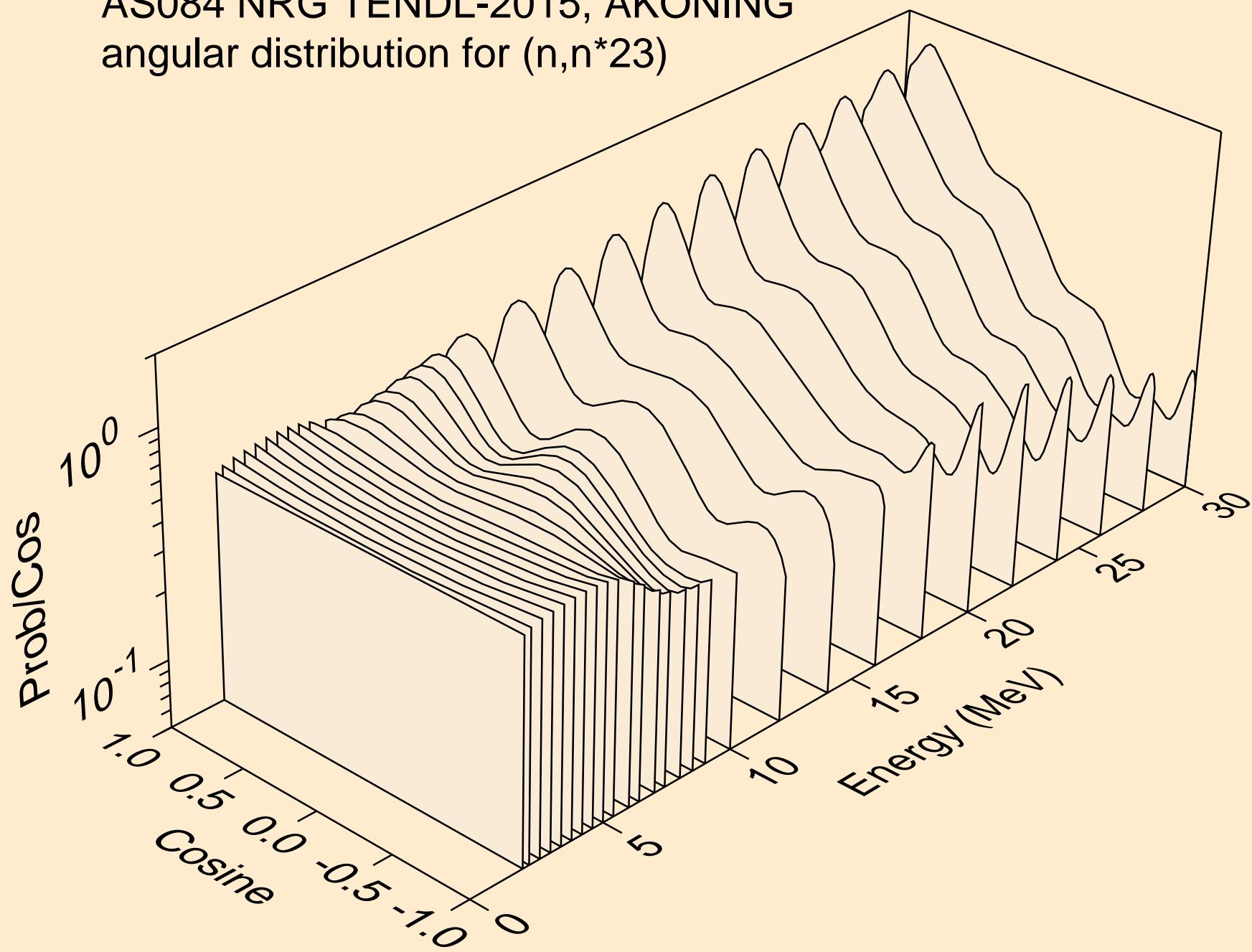
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angular distribution for (n,n\*21)



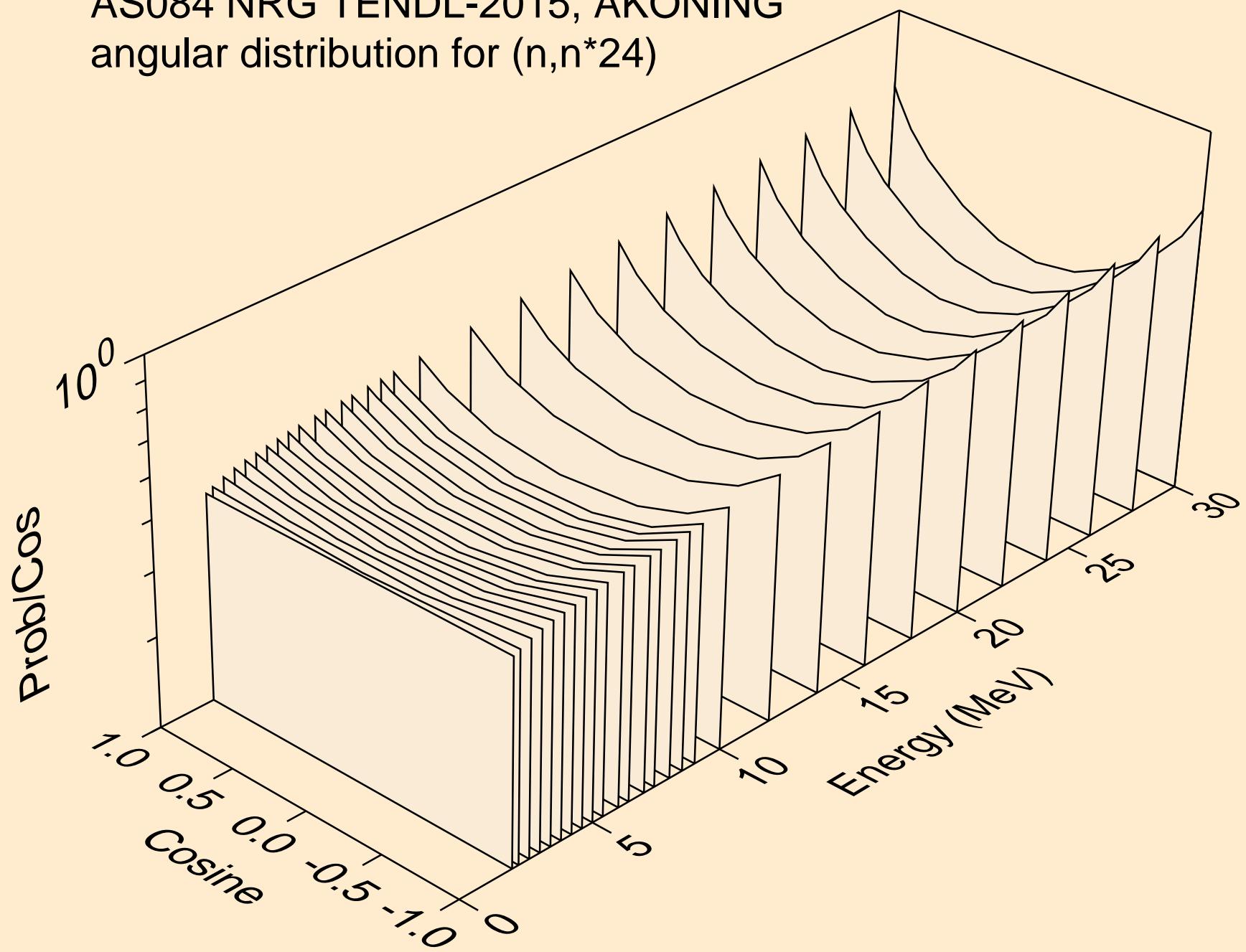
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angular distribution for (n,n\*22)



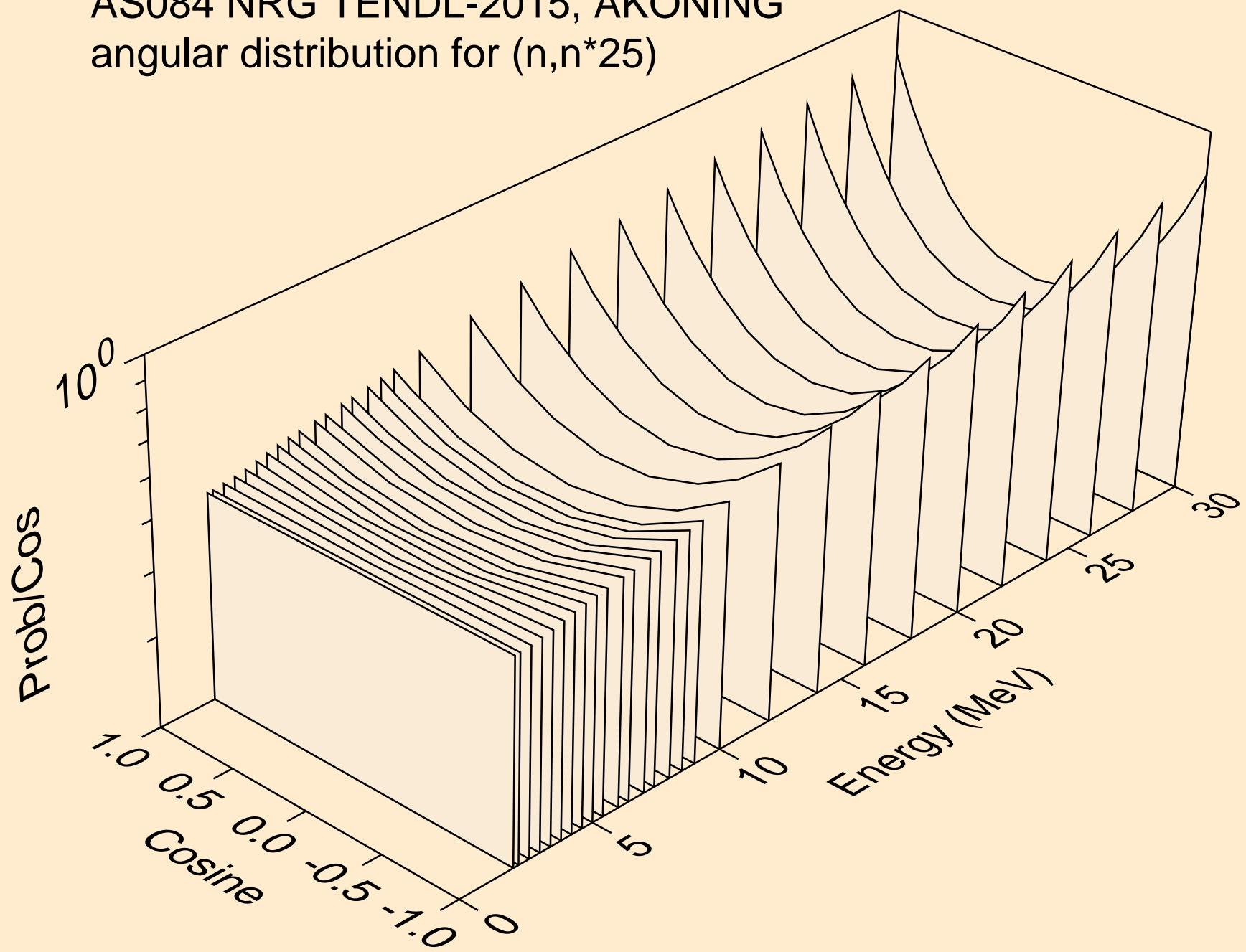
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angular distribution for ( $n,n^*{}^{23}$ )



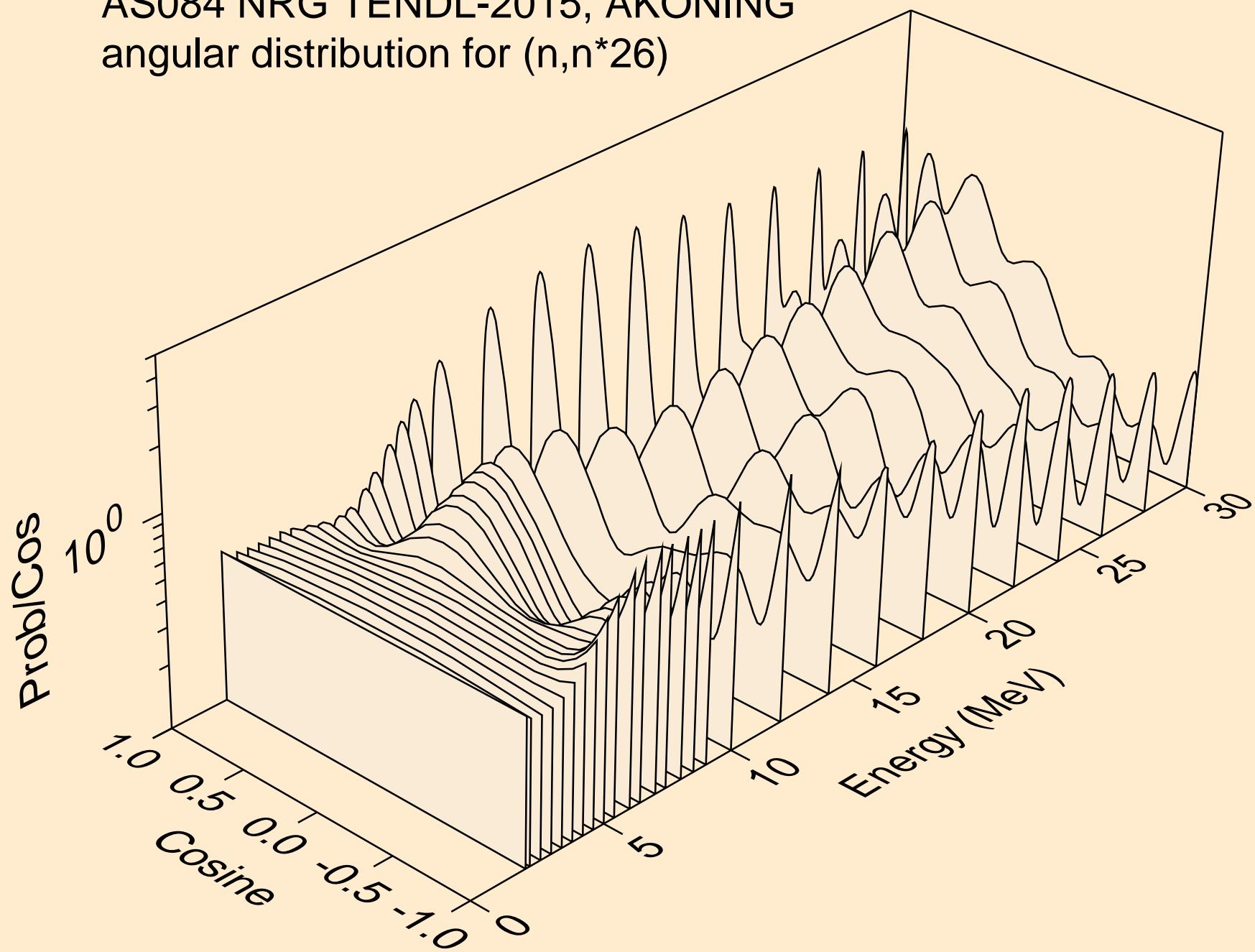
AS084 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*$ )24



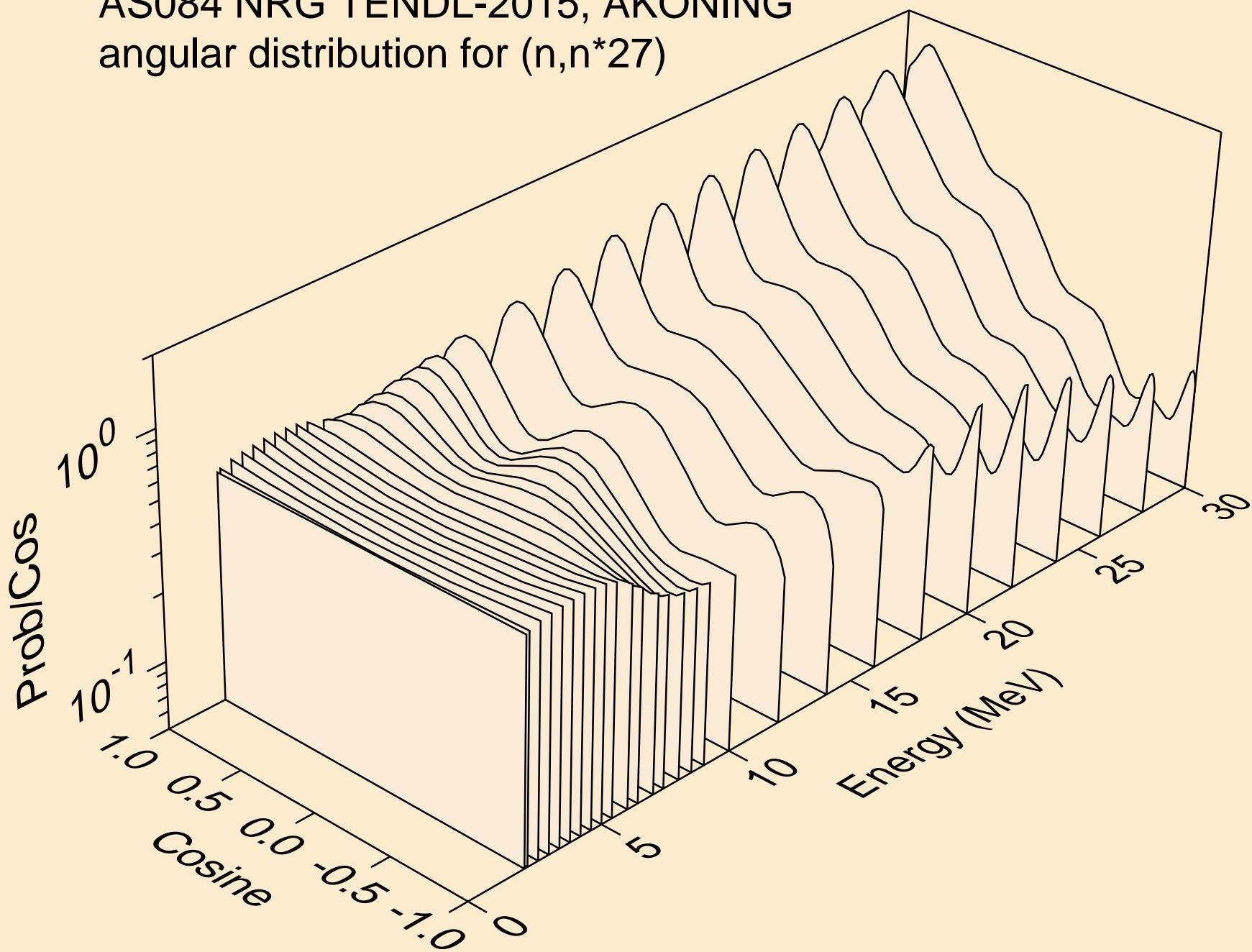
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



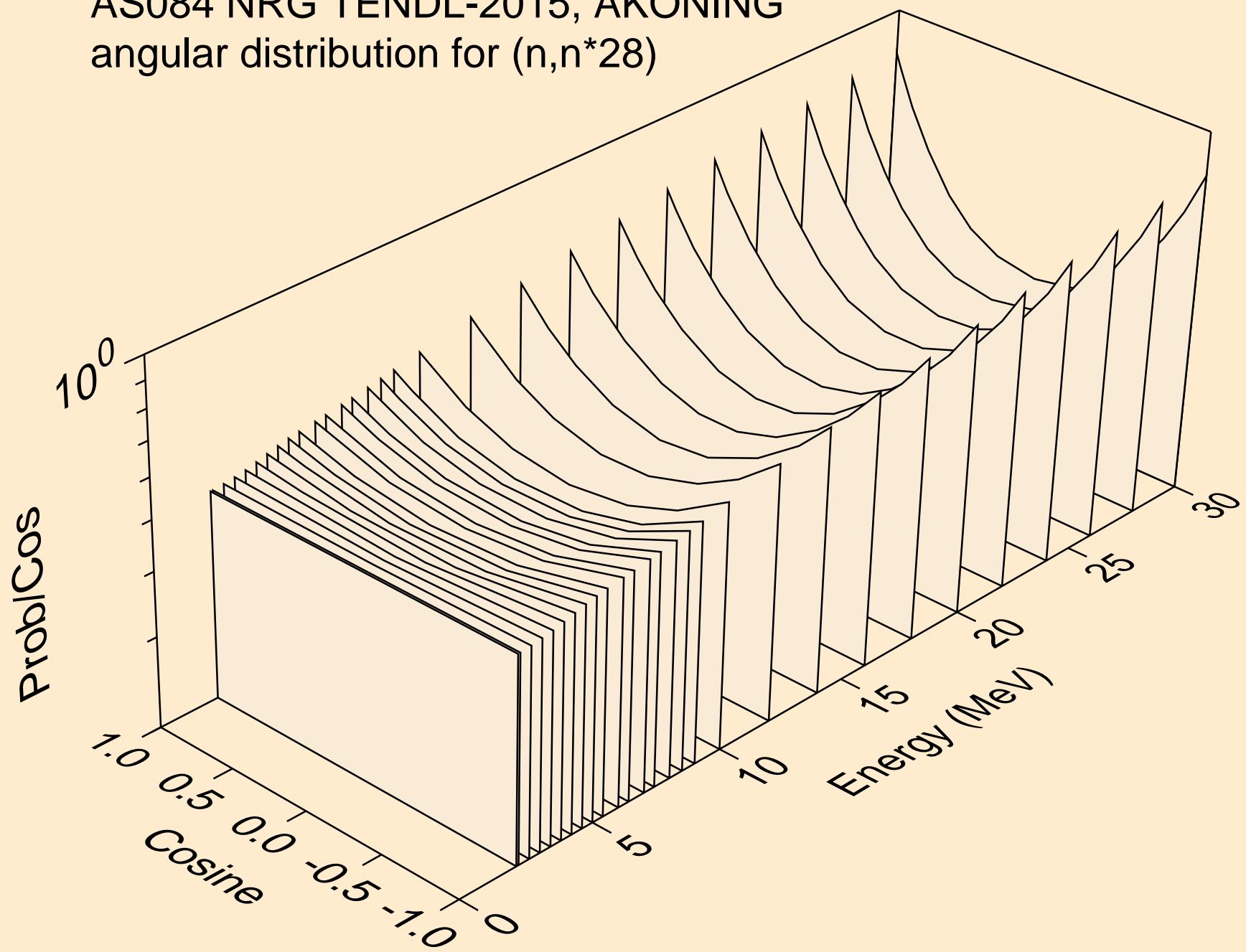
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{26}$



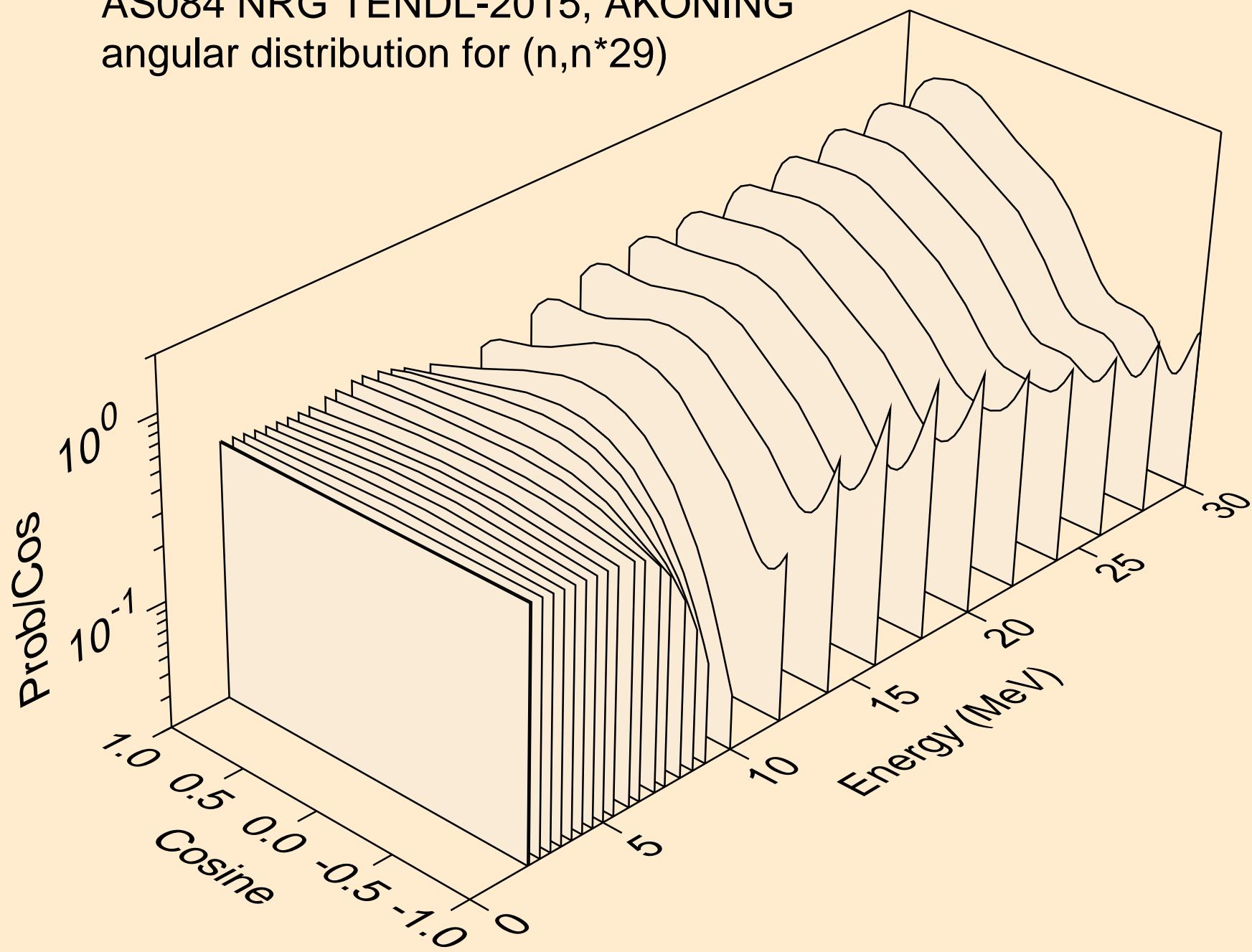
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{27}$



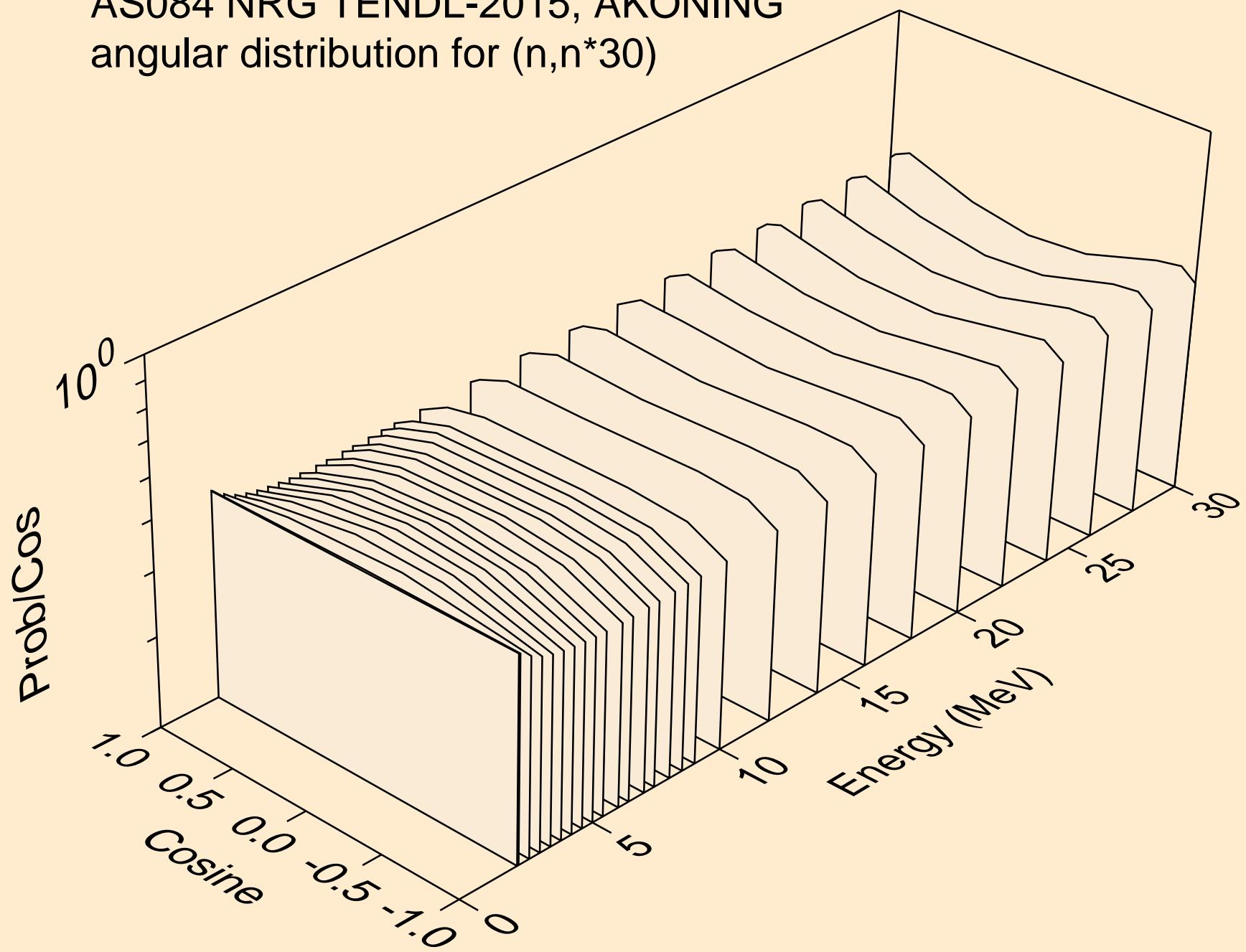
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{28}$



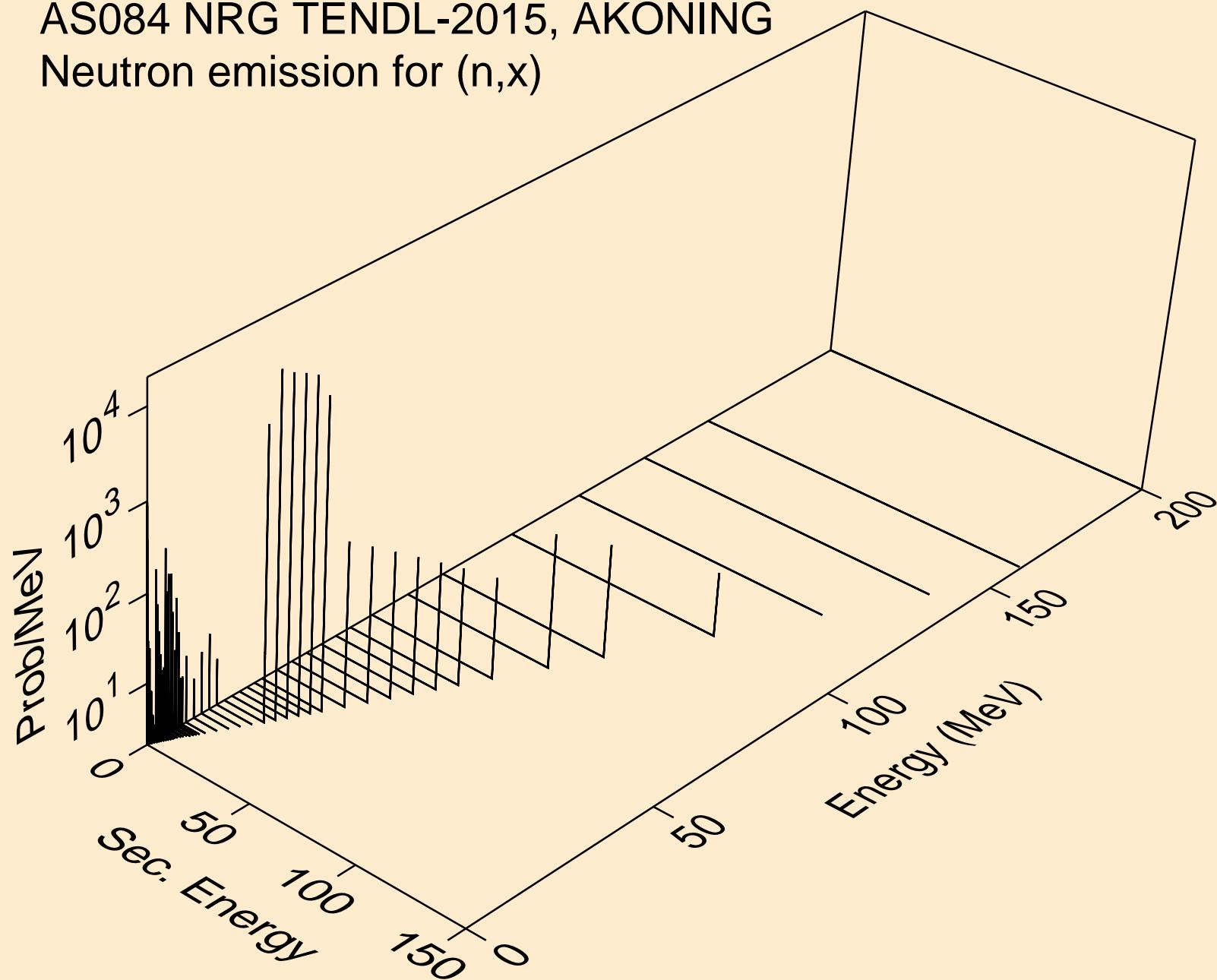
AS084 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*{}^{29})$



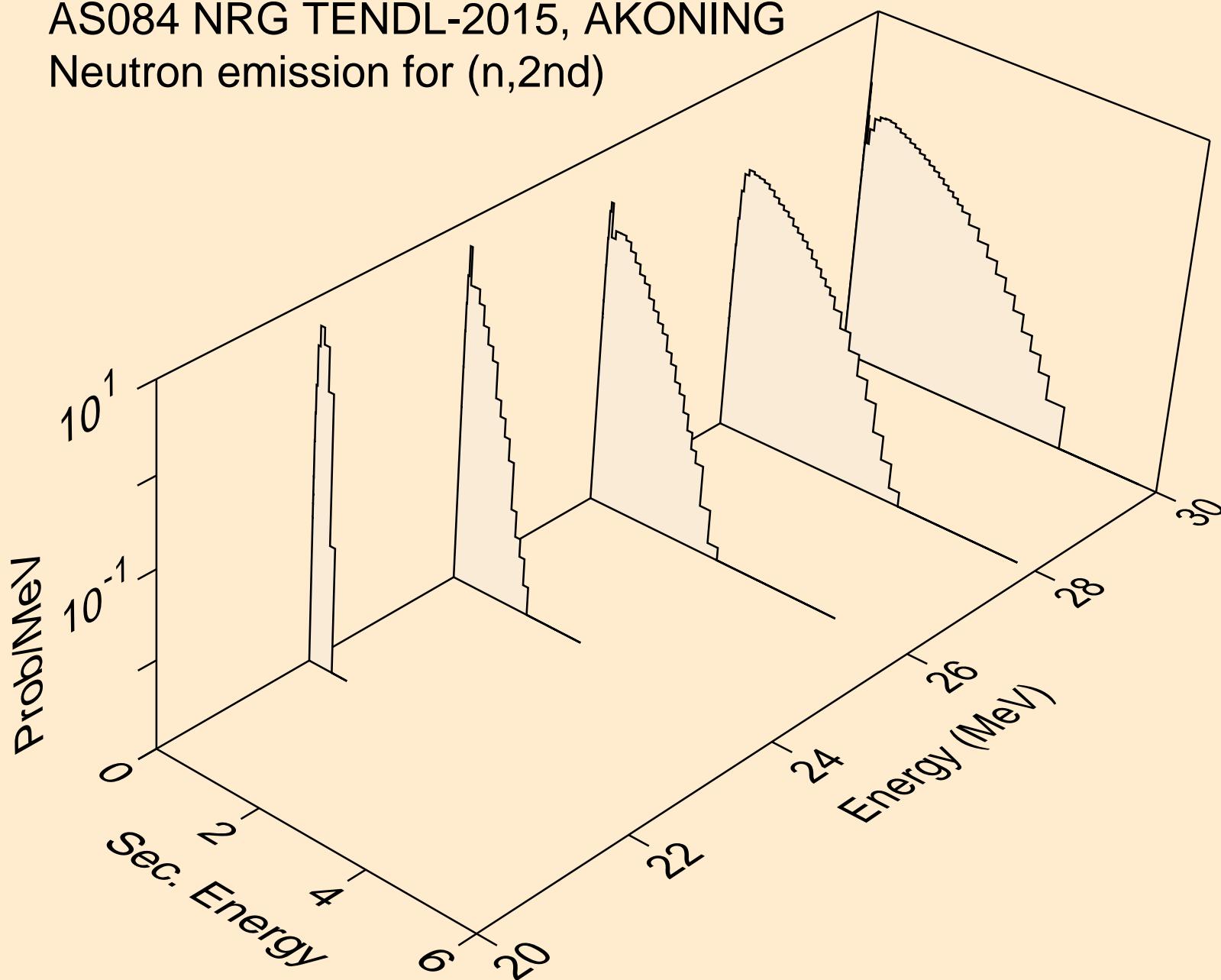
AS084 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)



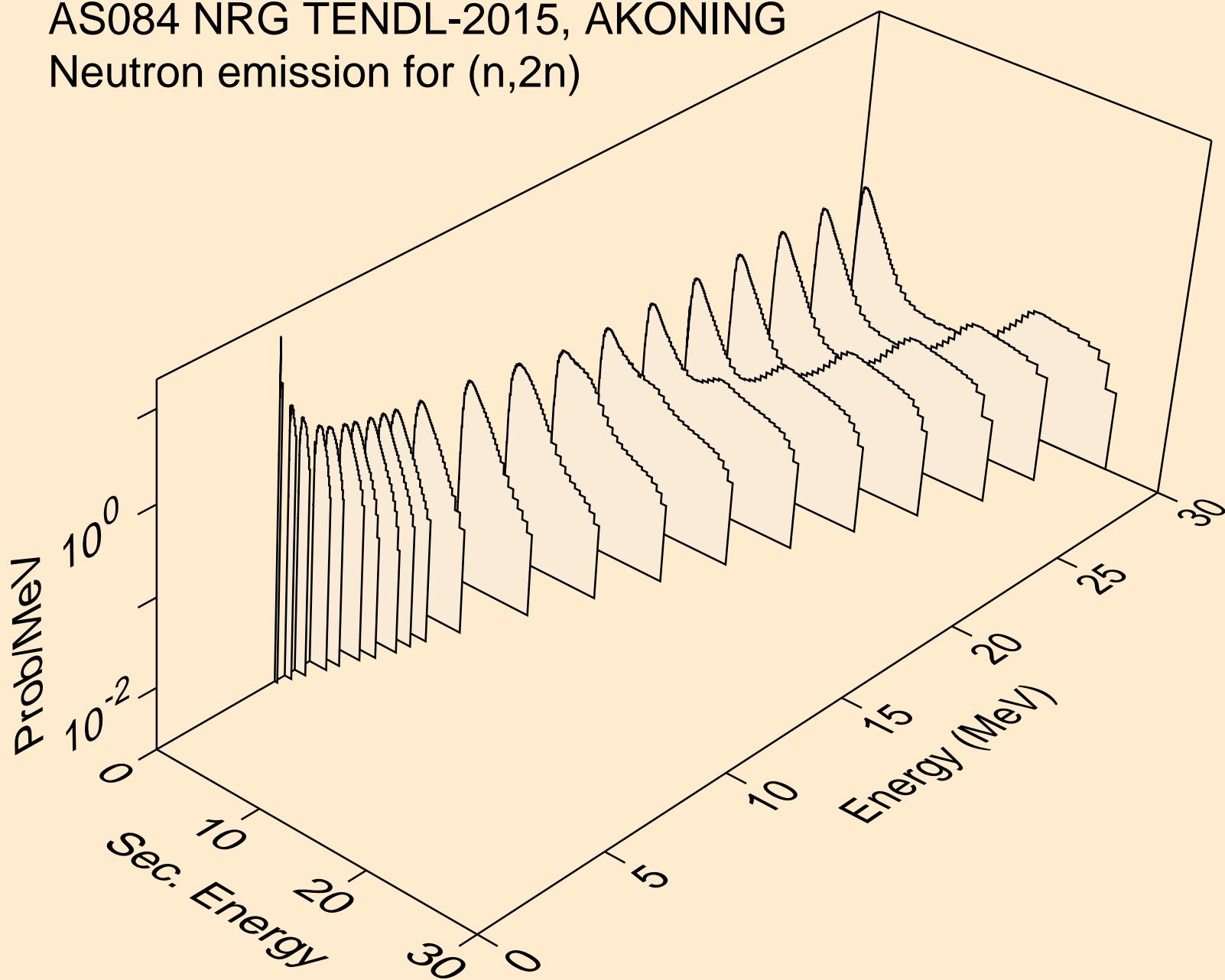
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



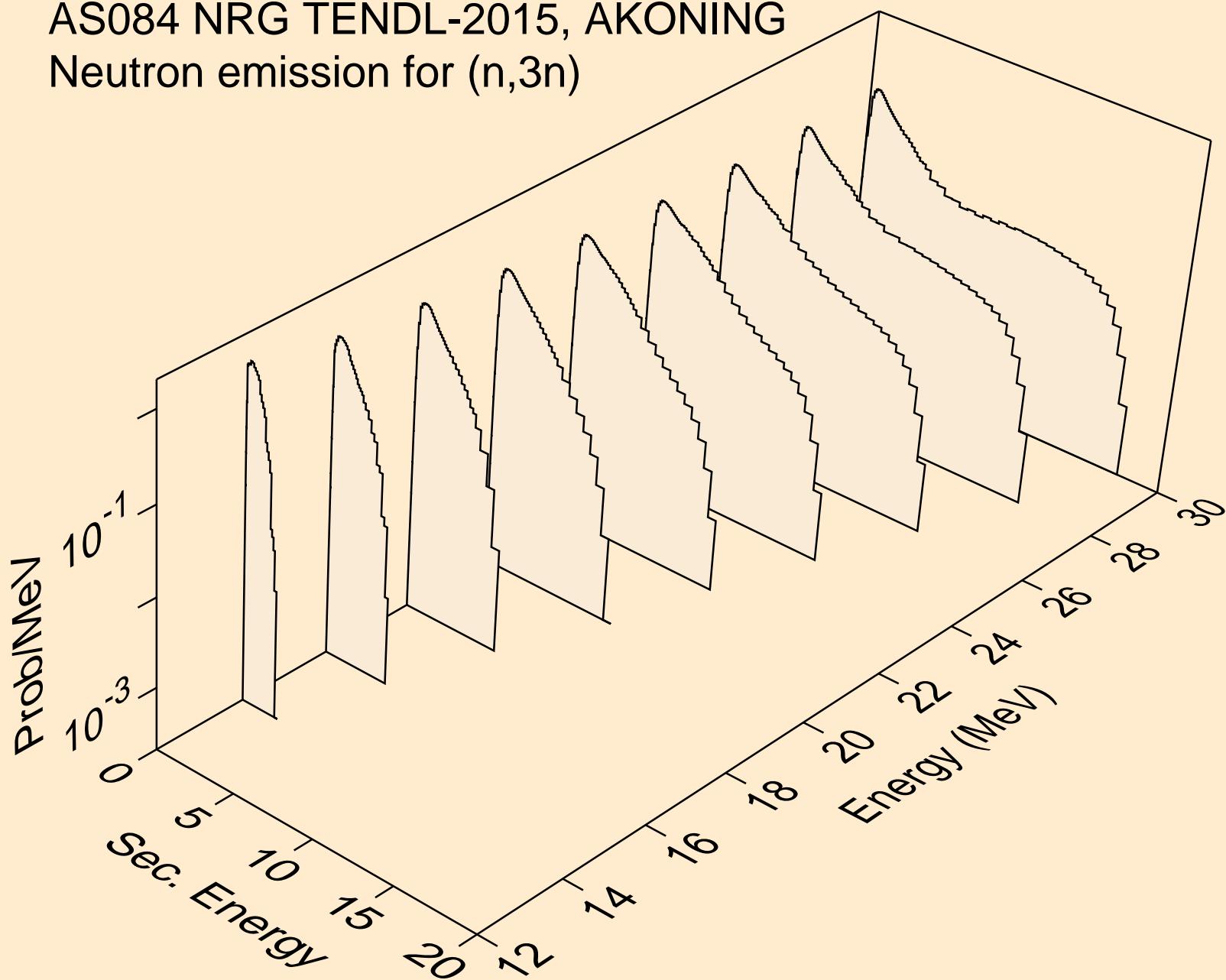
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



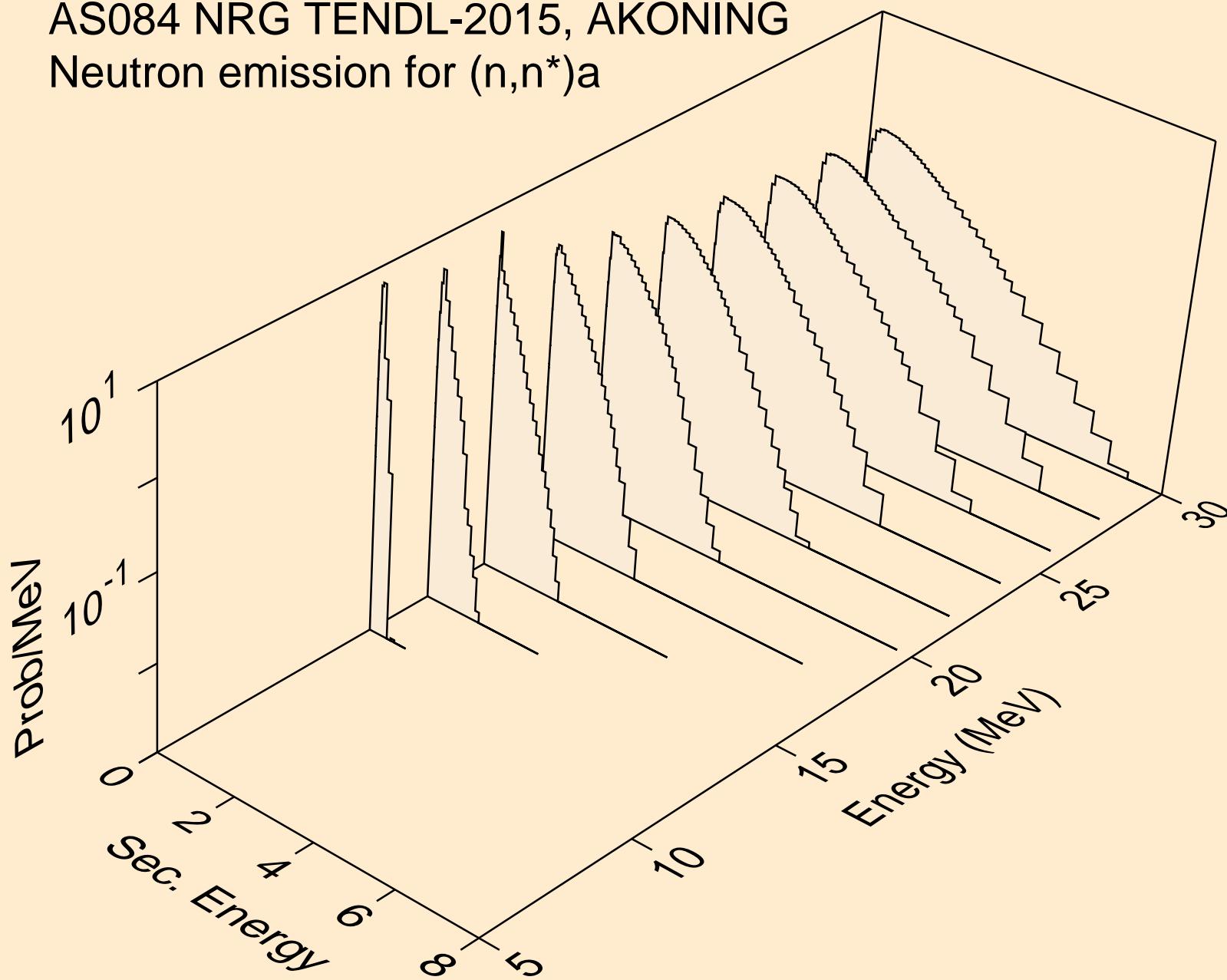
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



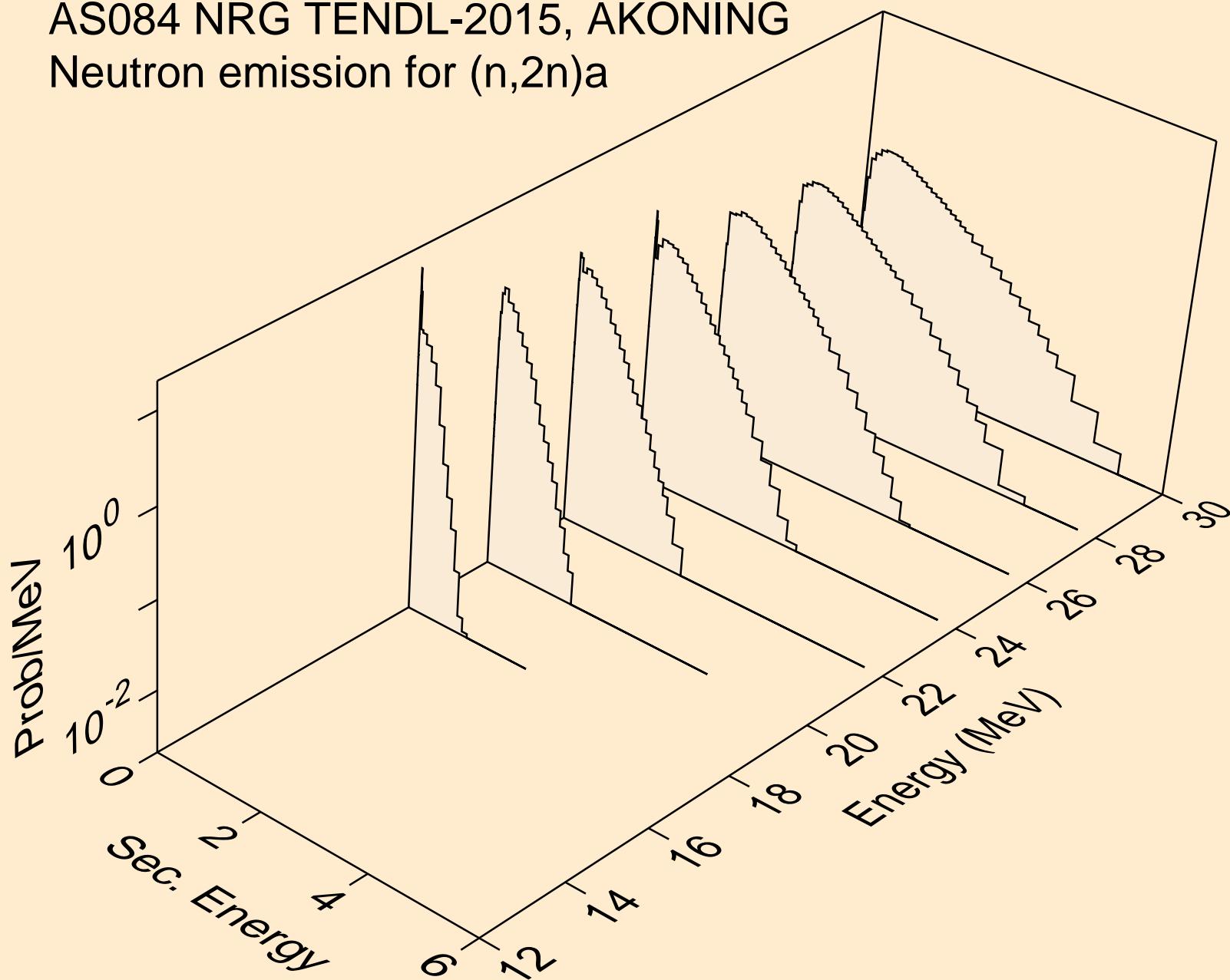
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



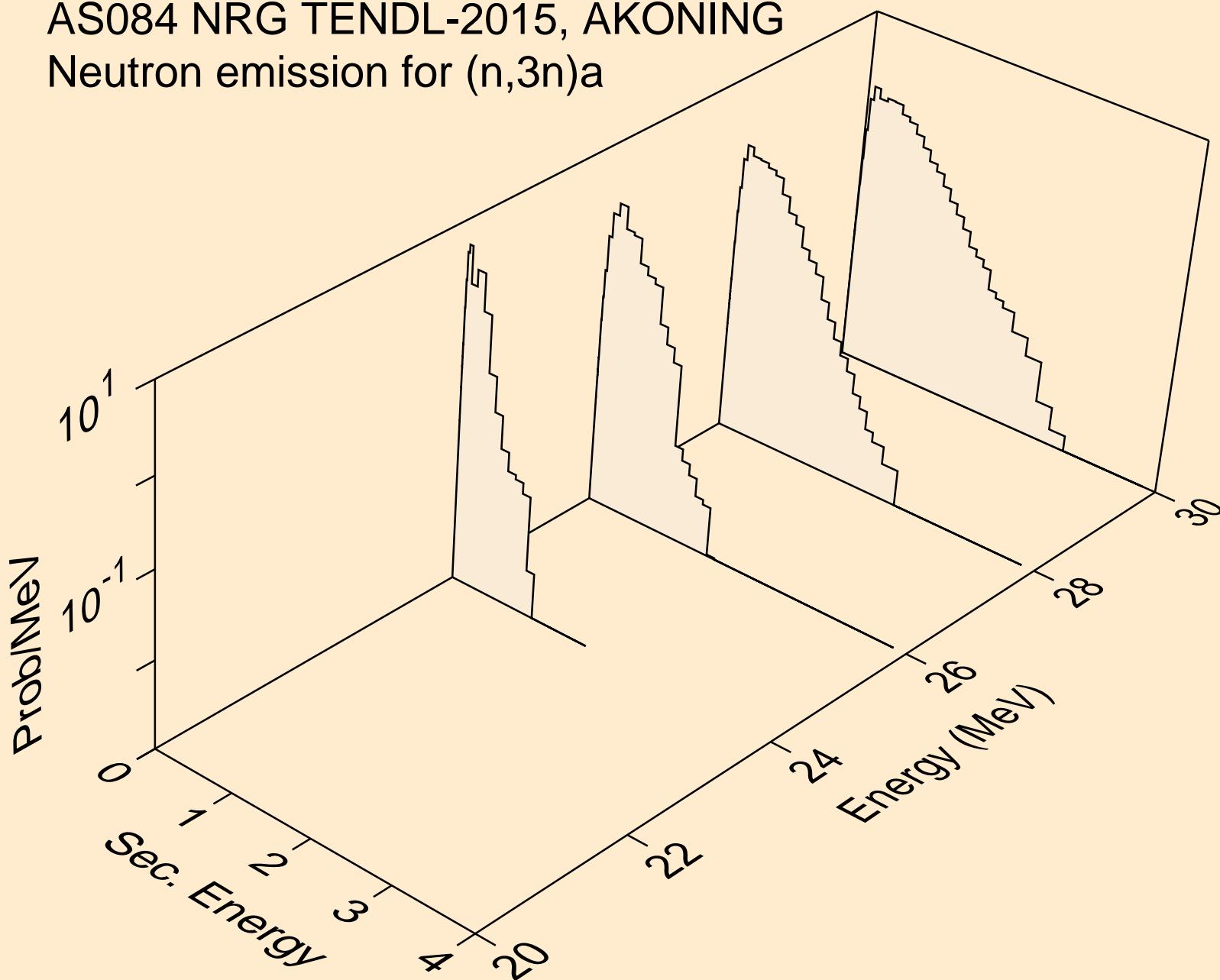
AS084 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



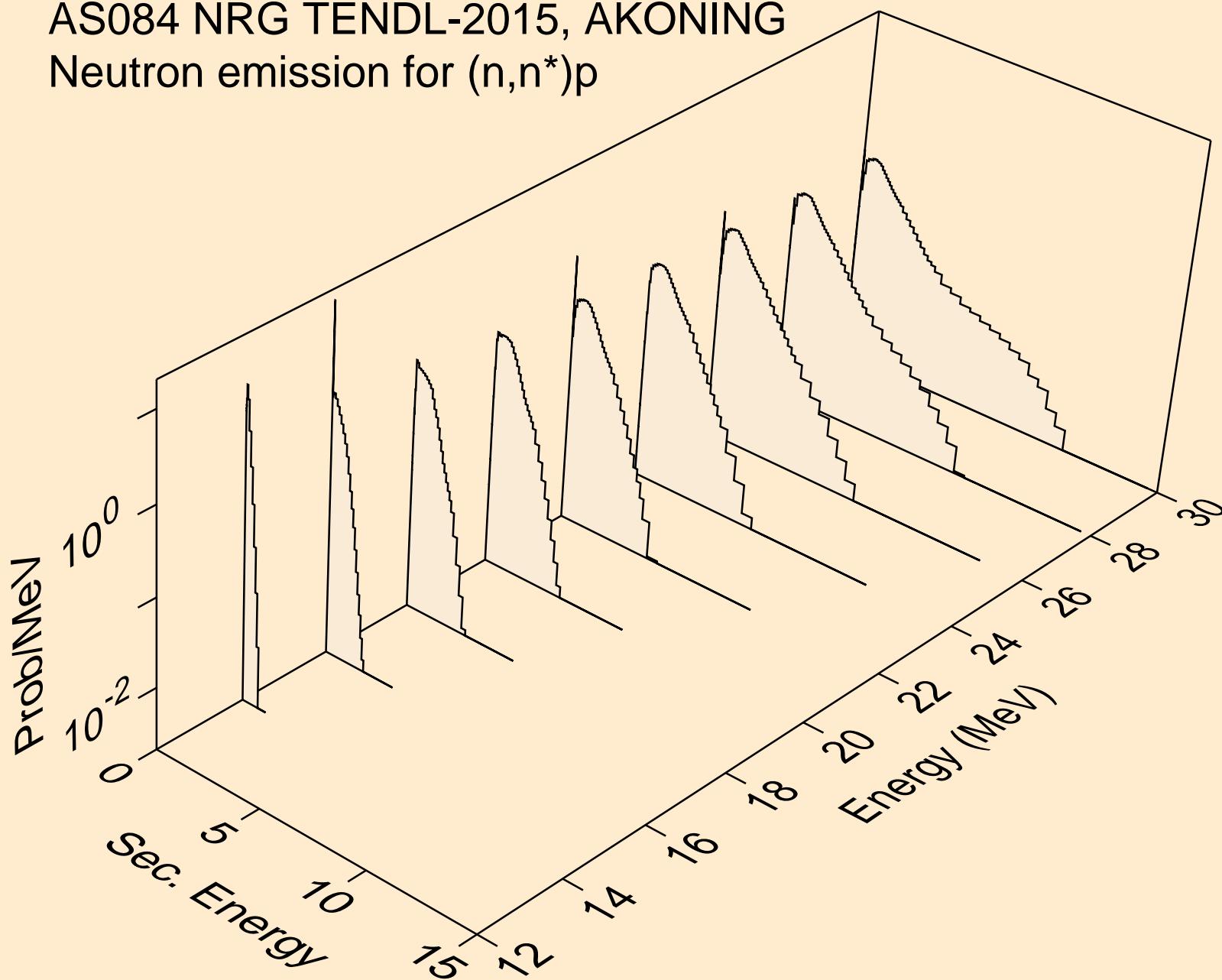
AS084 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



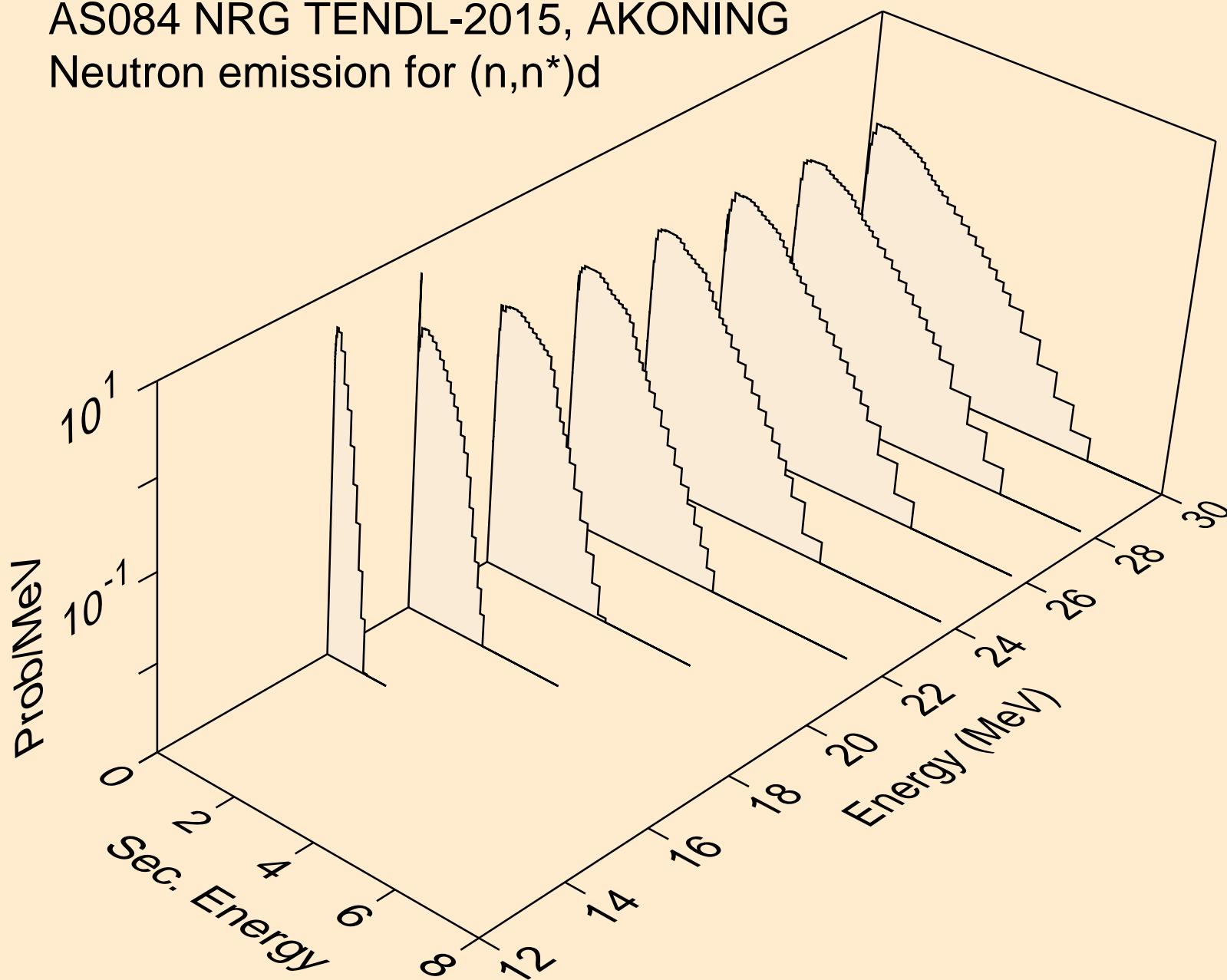
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



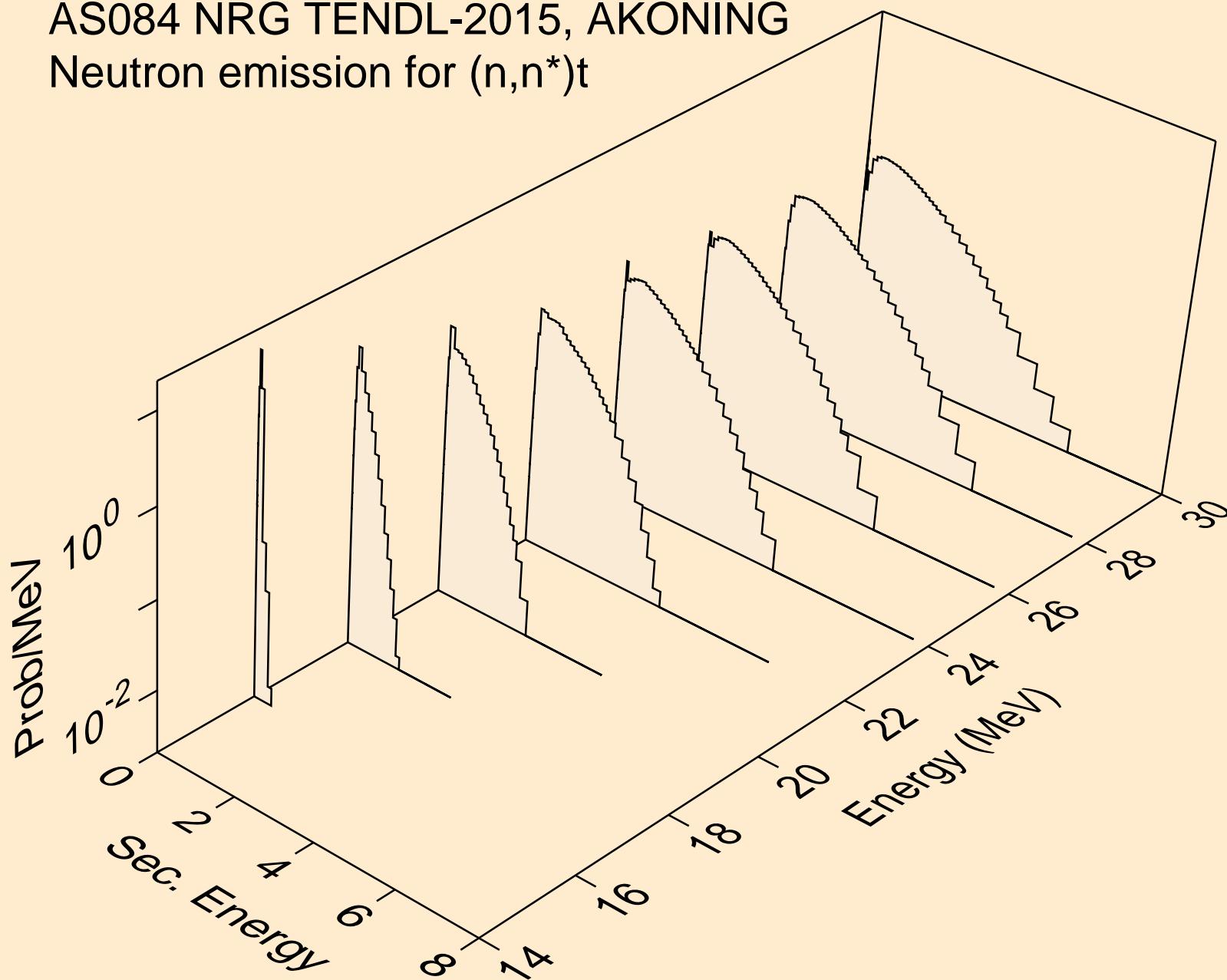
AS084 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



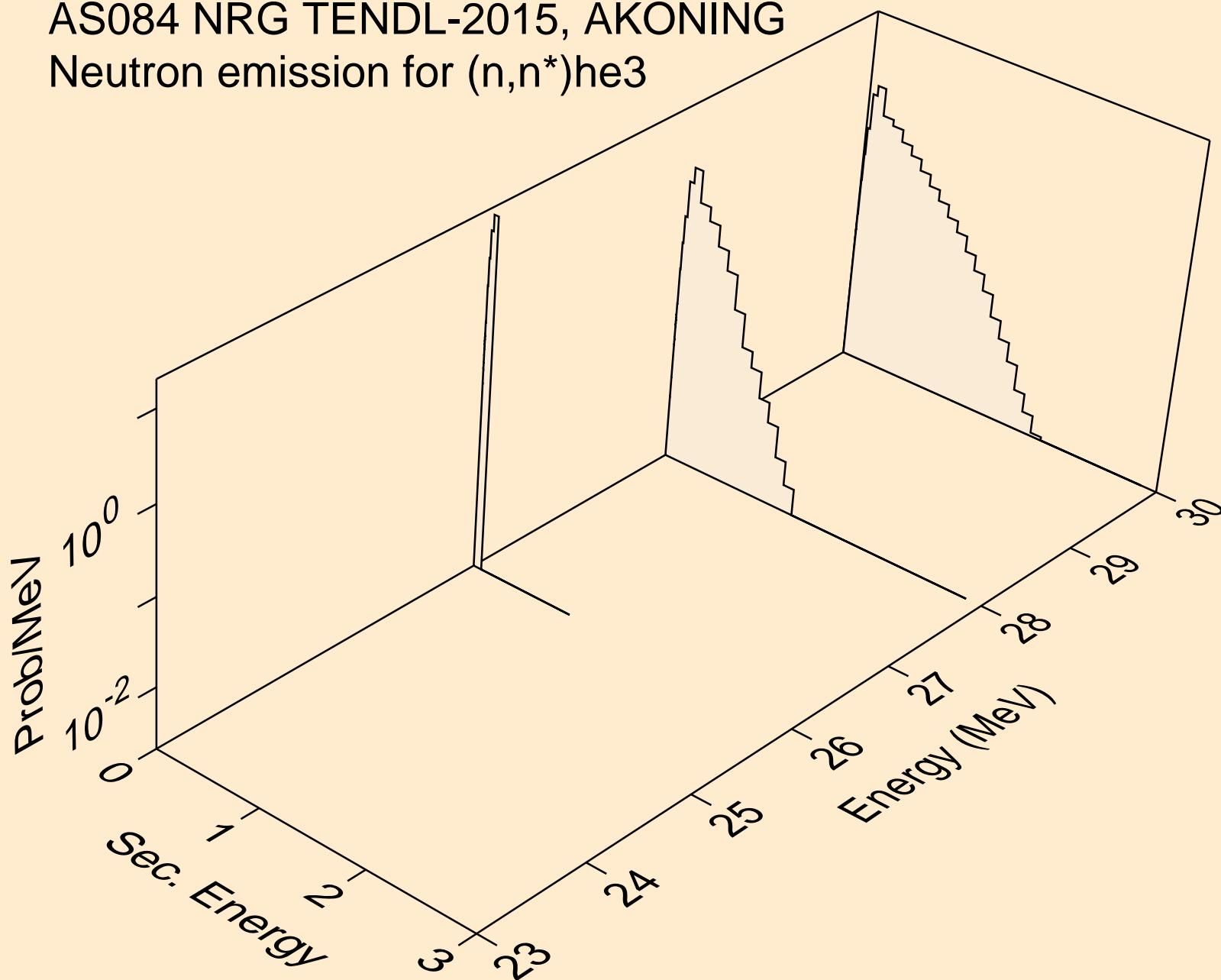
AS084 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



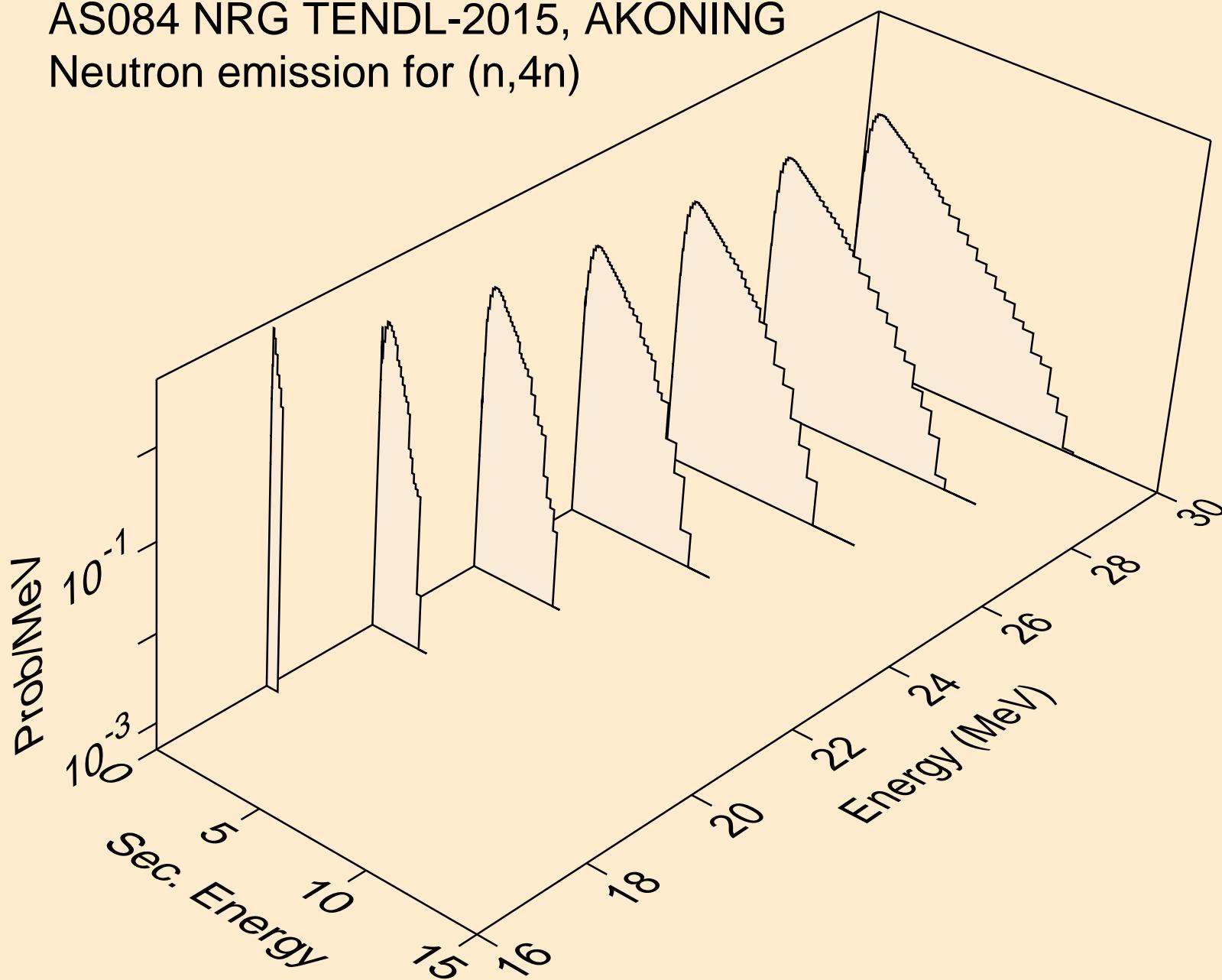
AS084 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



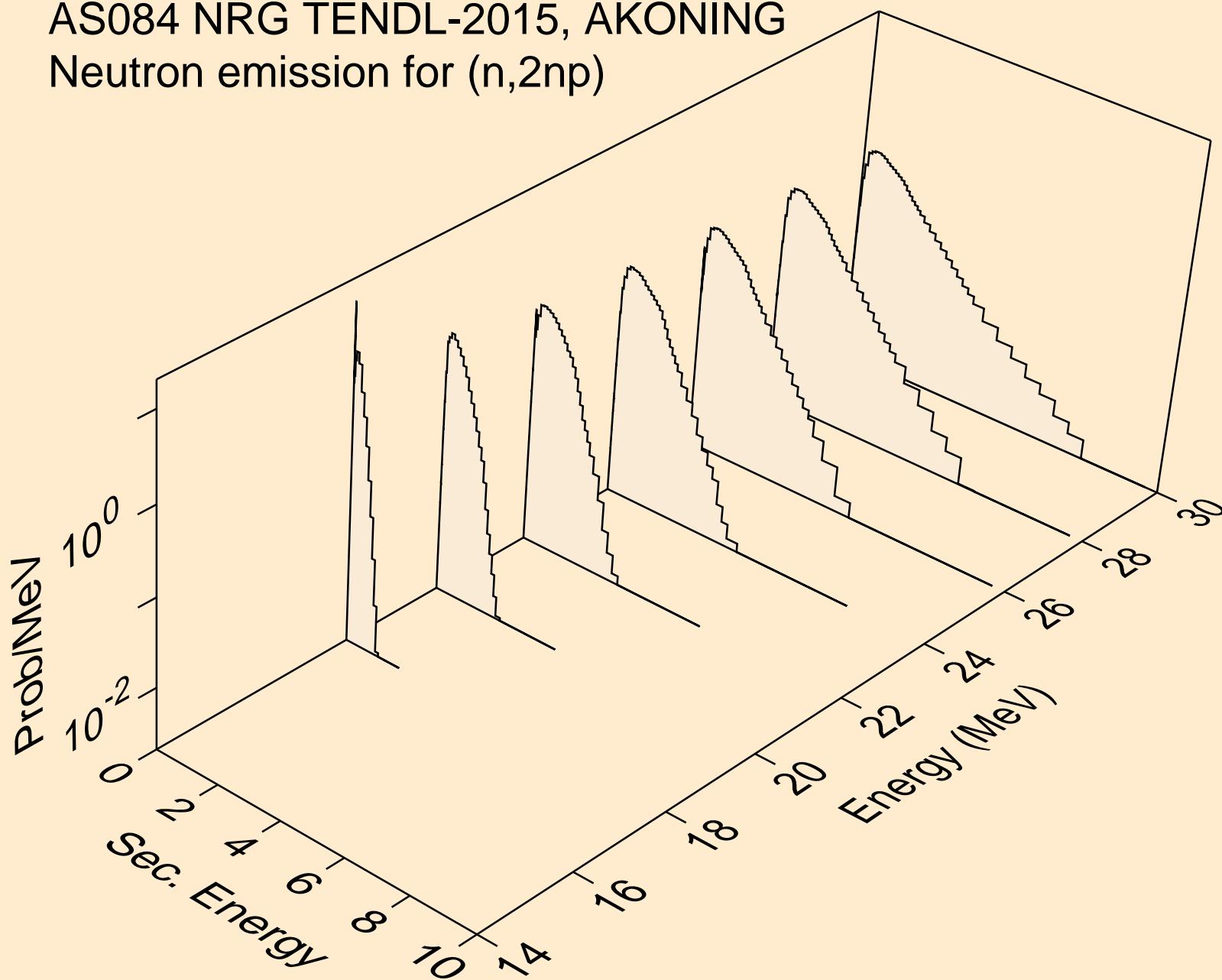
AS084 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



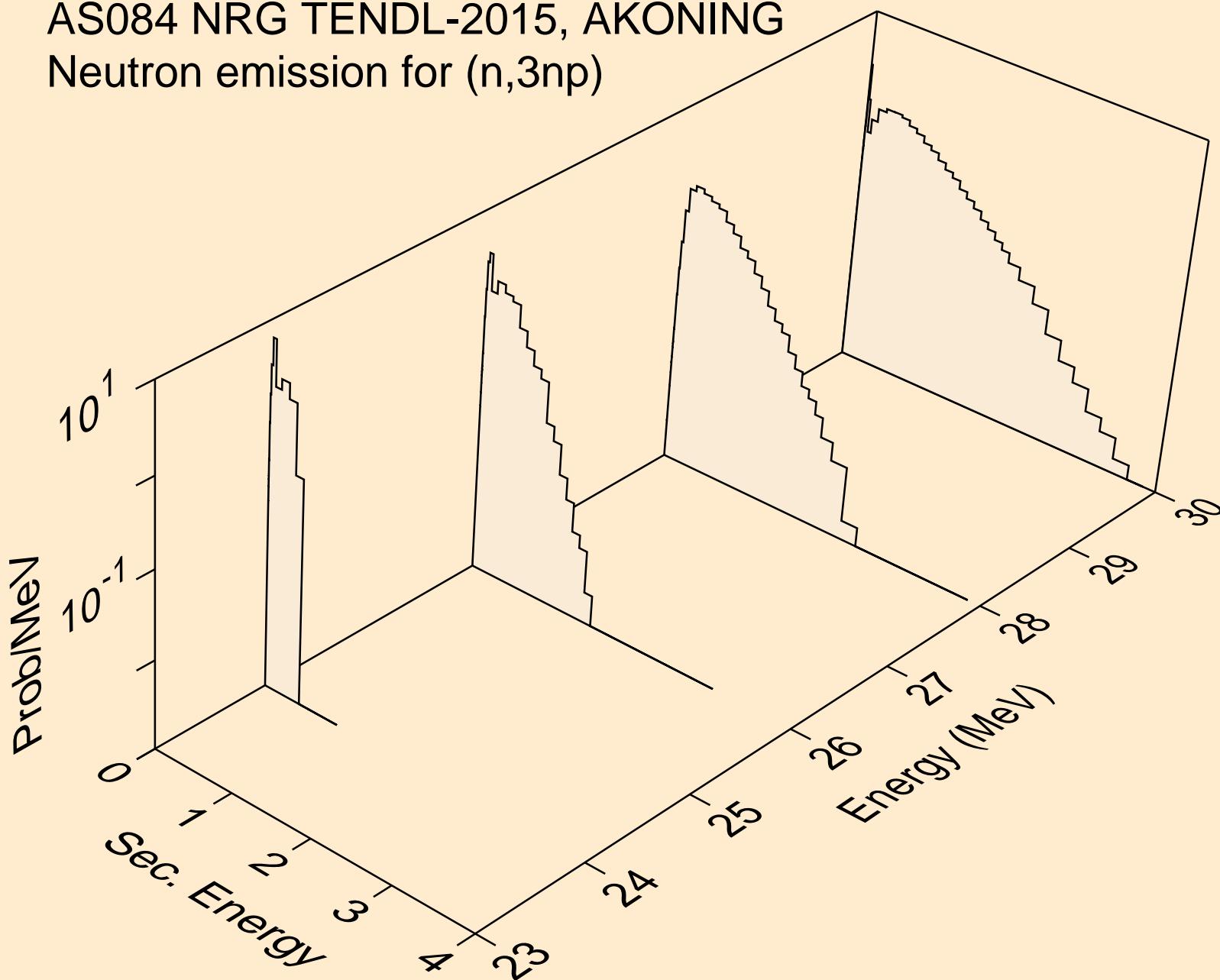
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



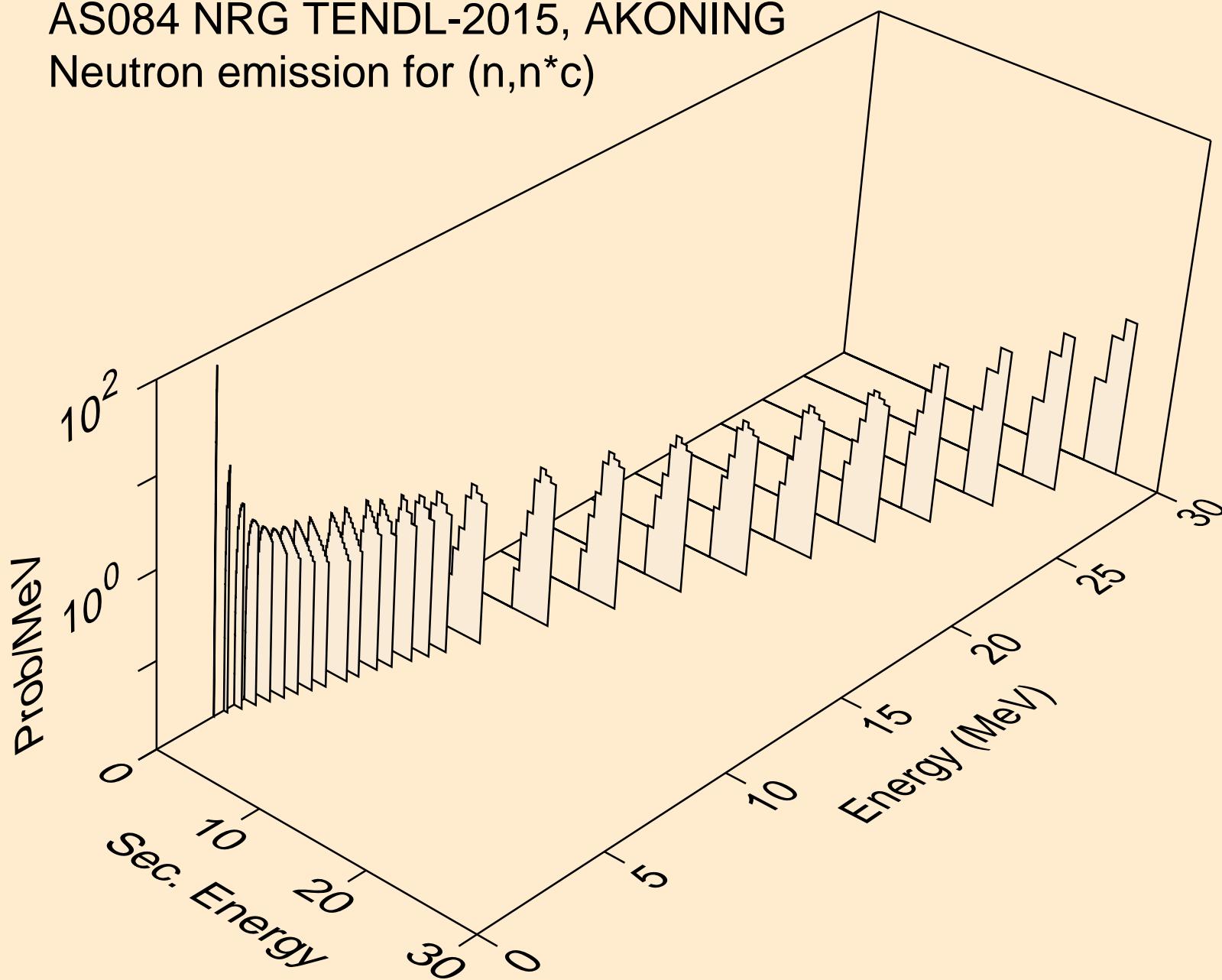
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



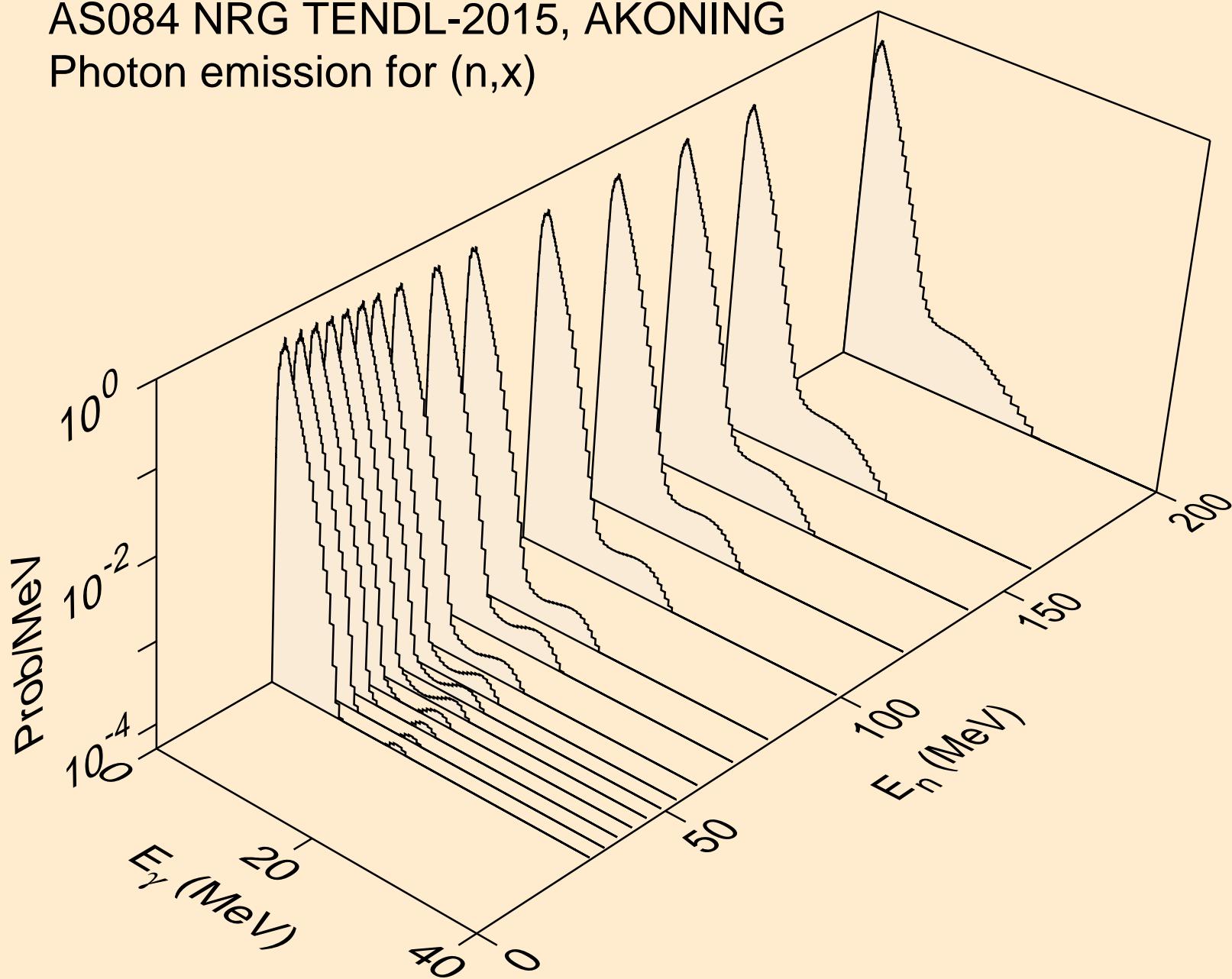
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



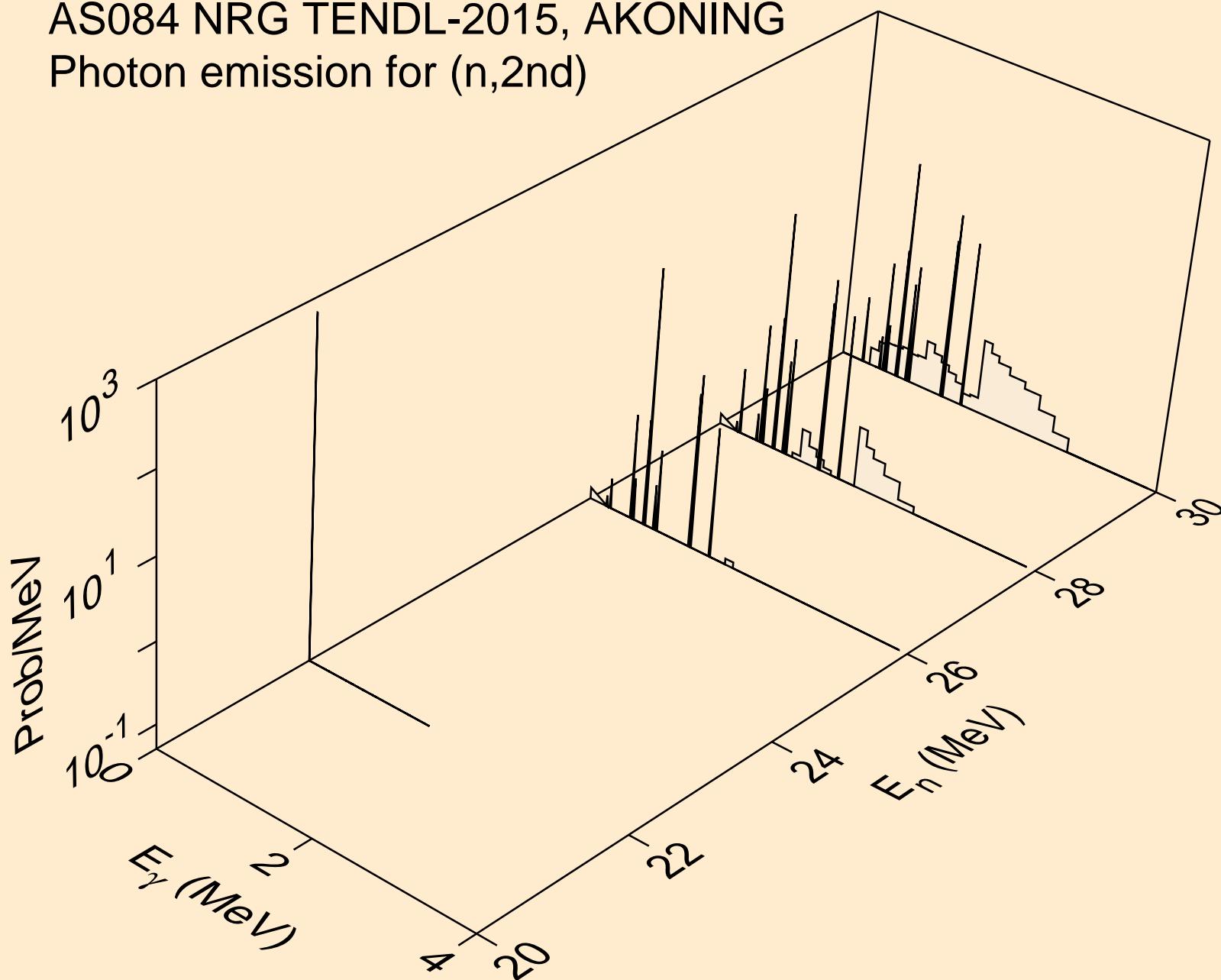
AS084 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



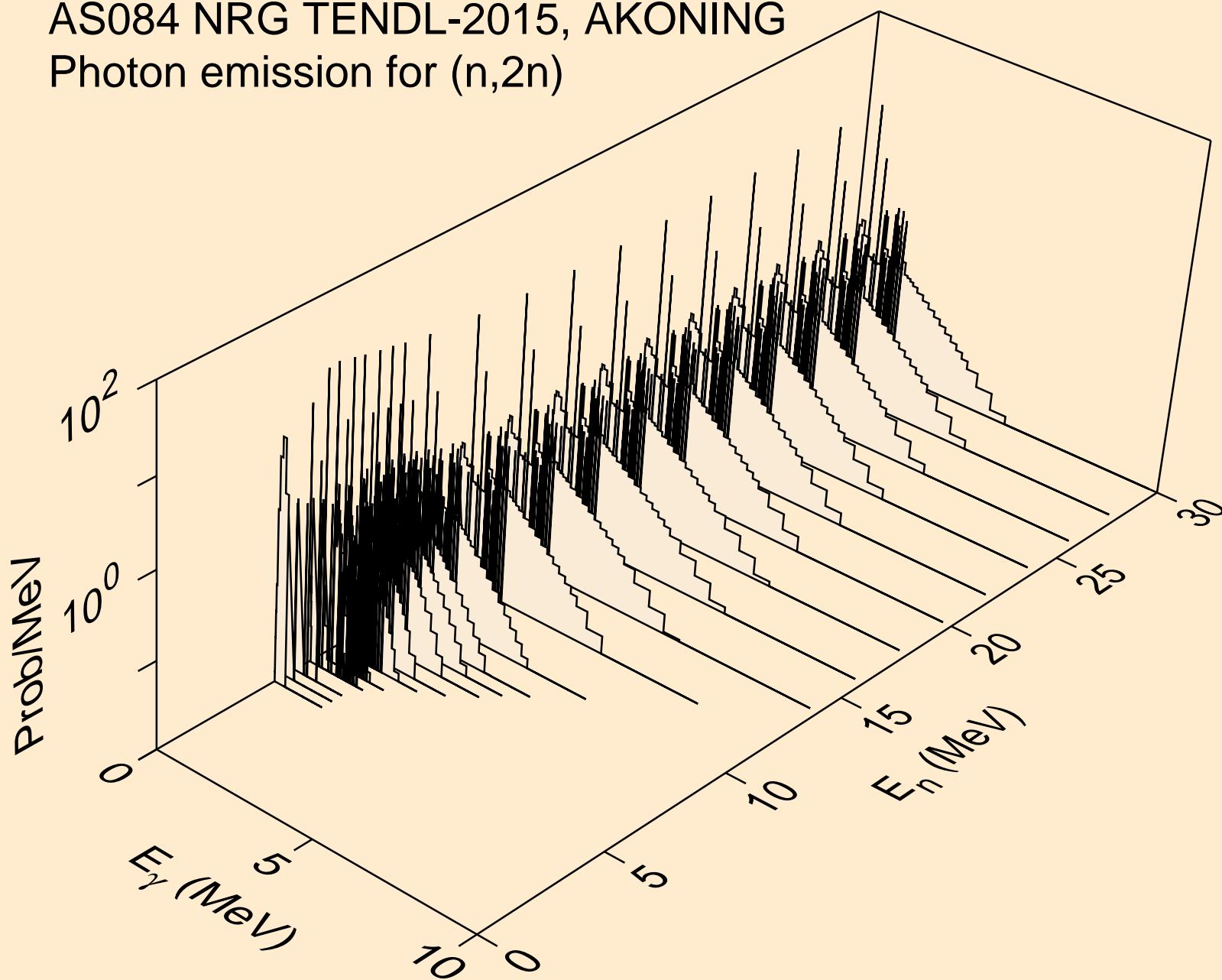
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



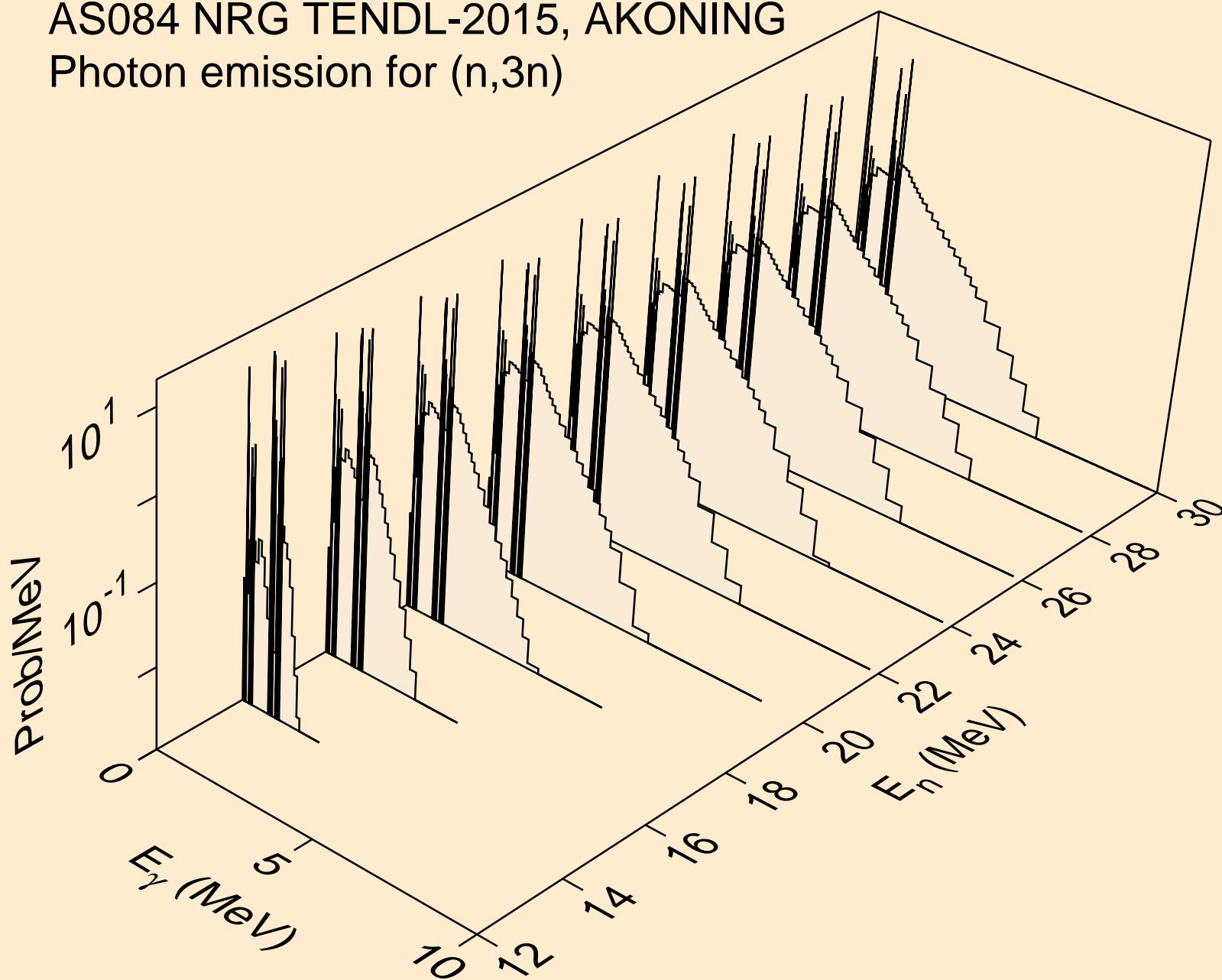
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



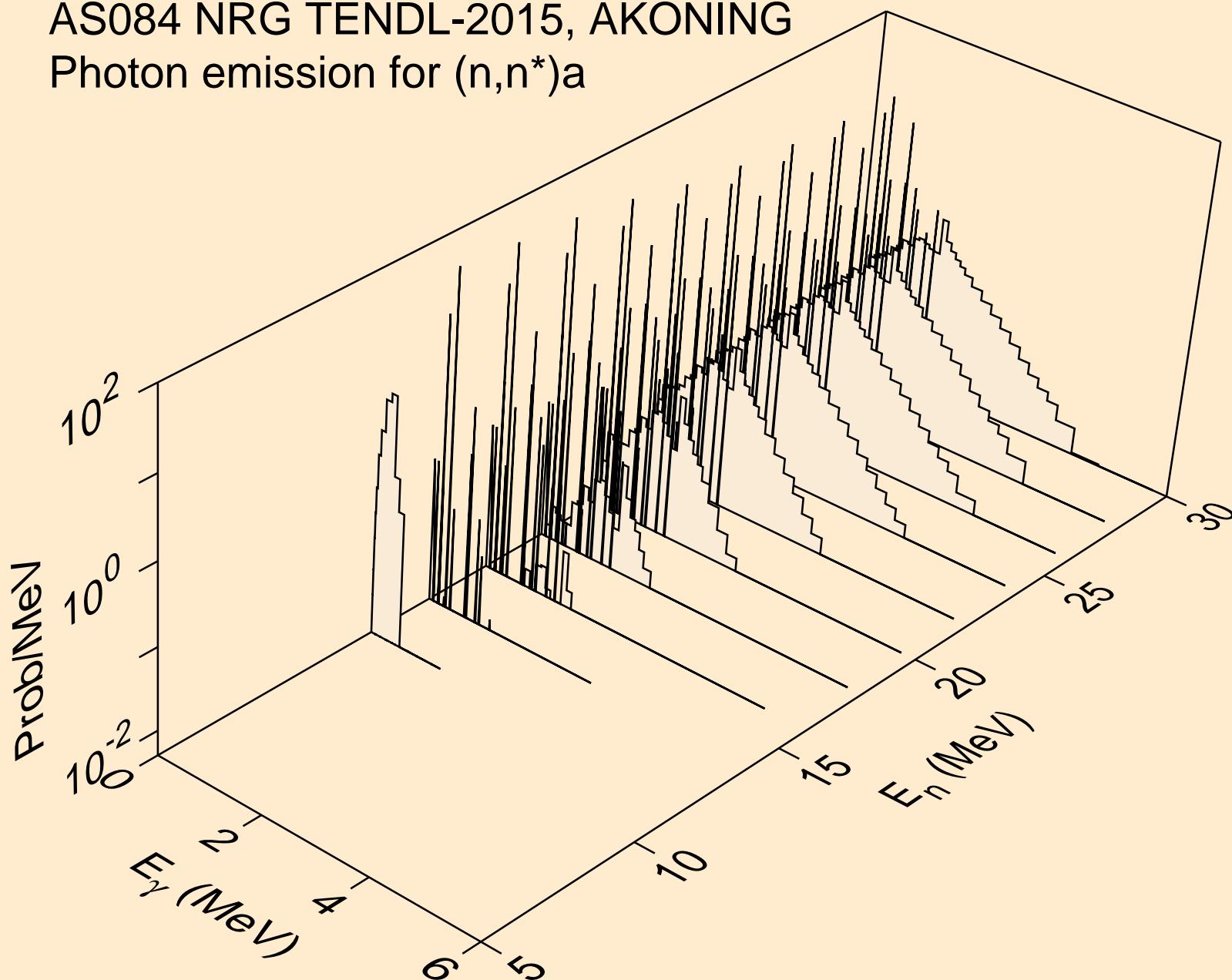
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



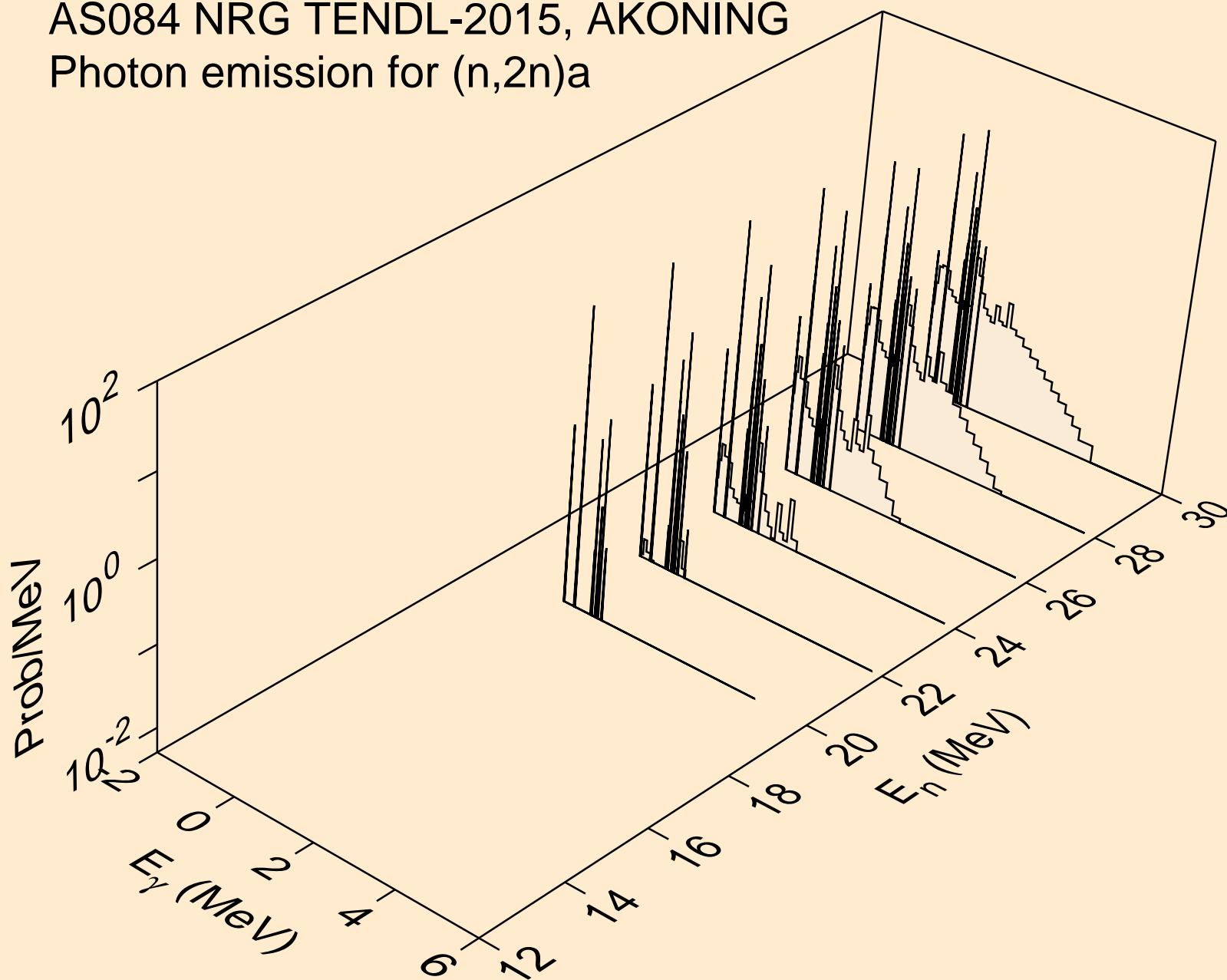
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



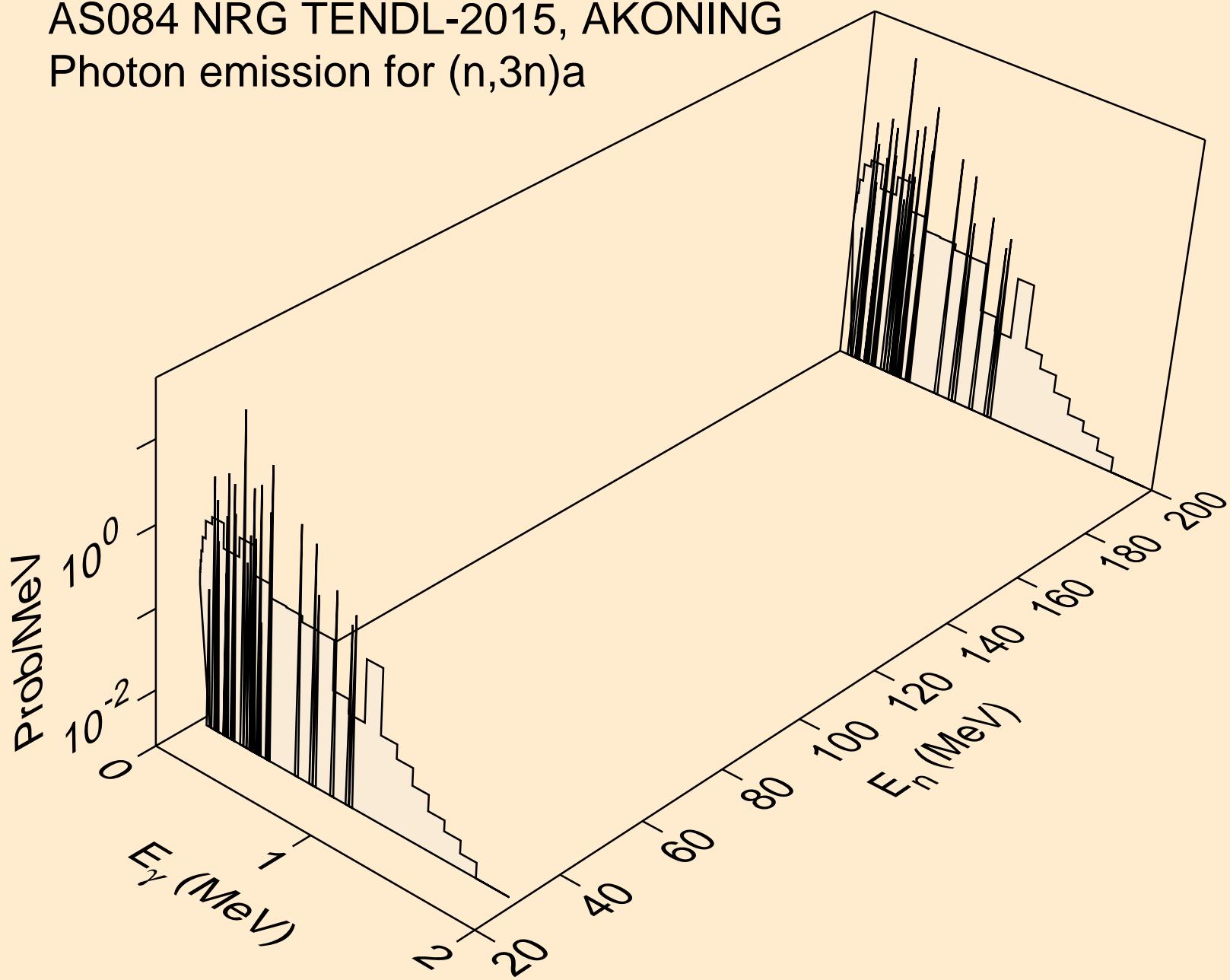
AS084 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



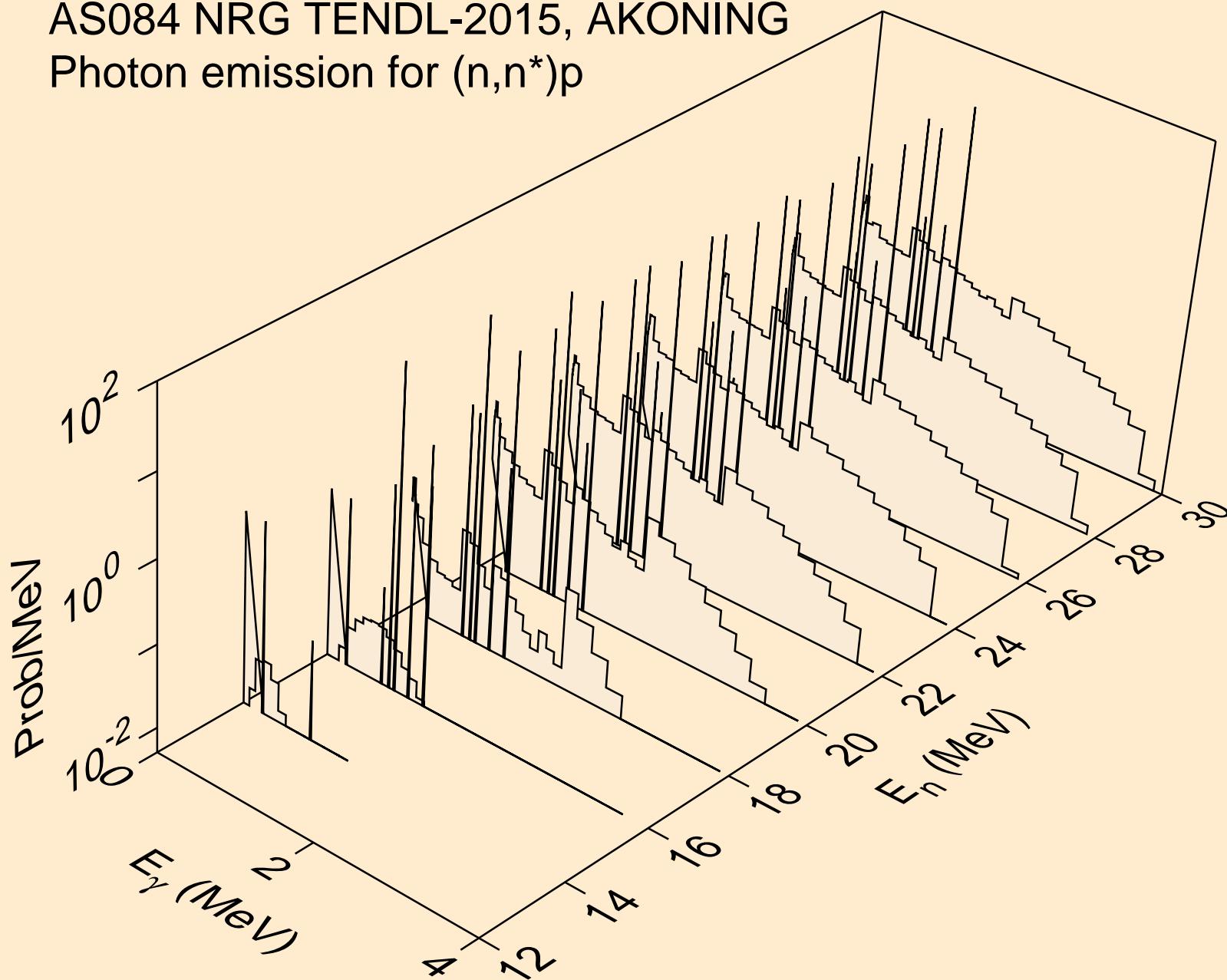
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



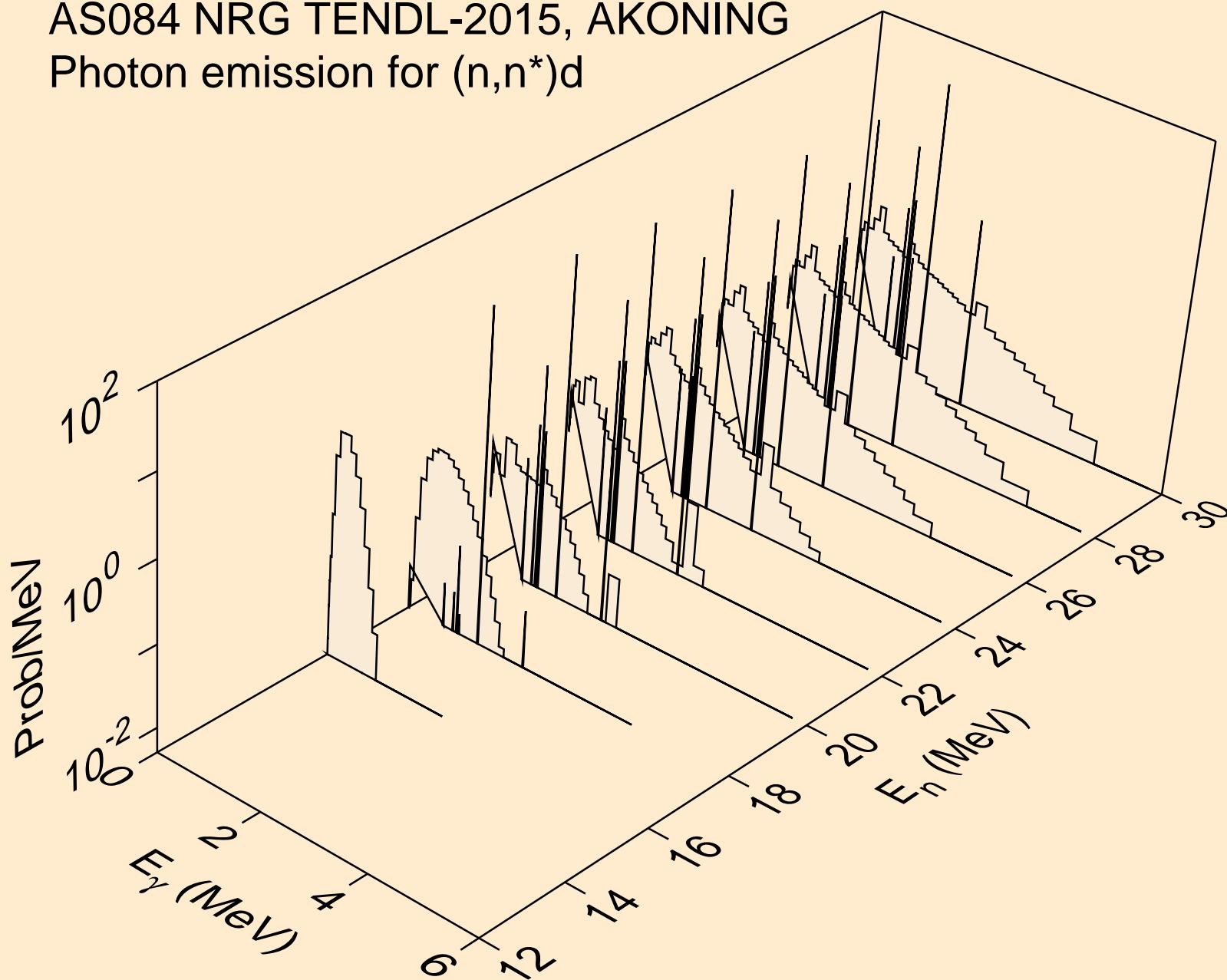
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



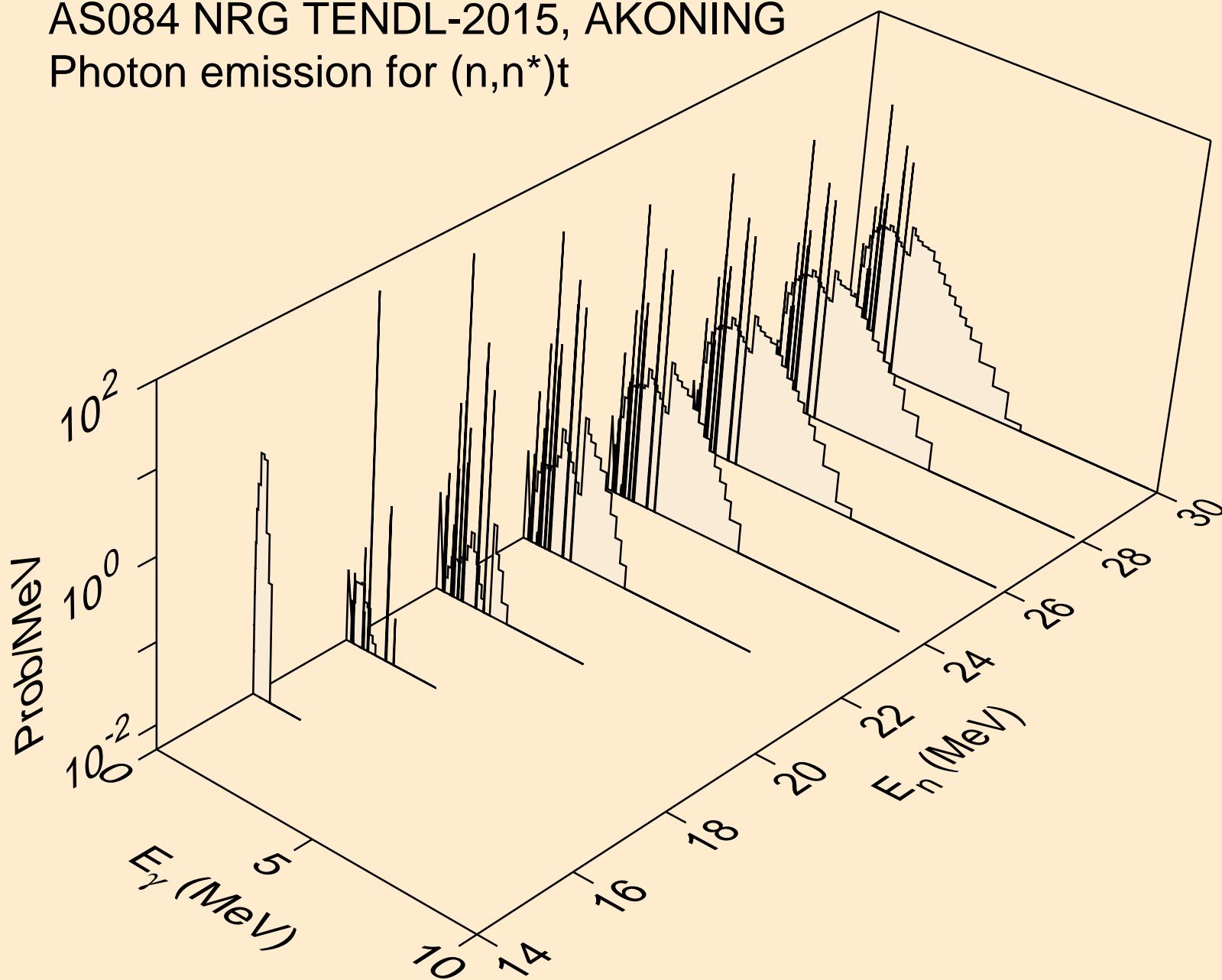
AS084 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



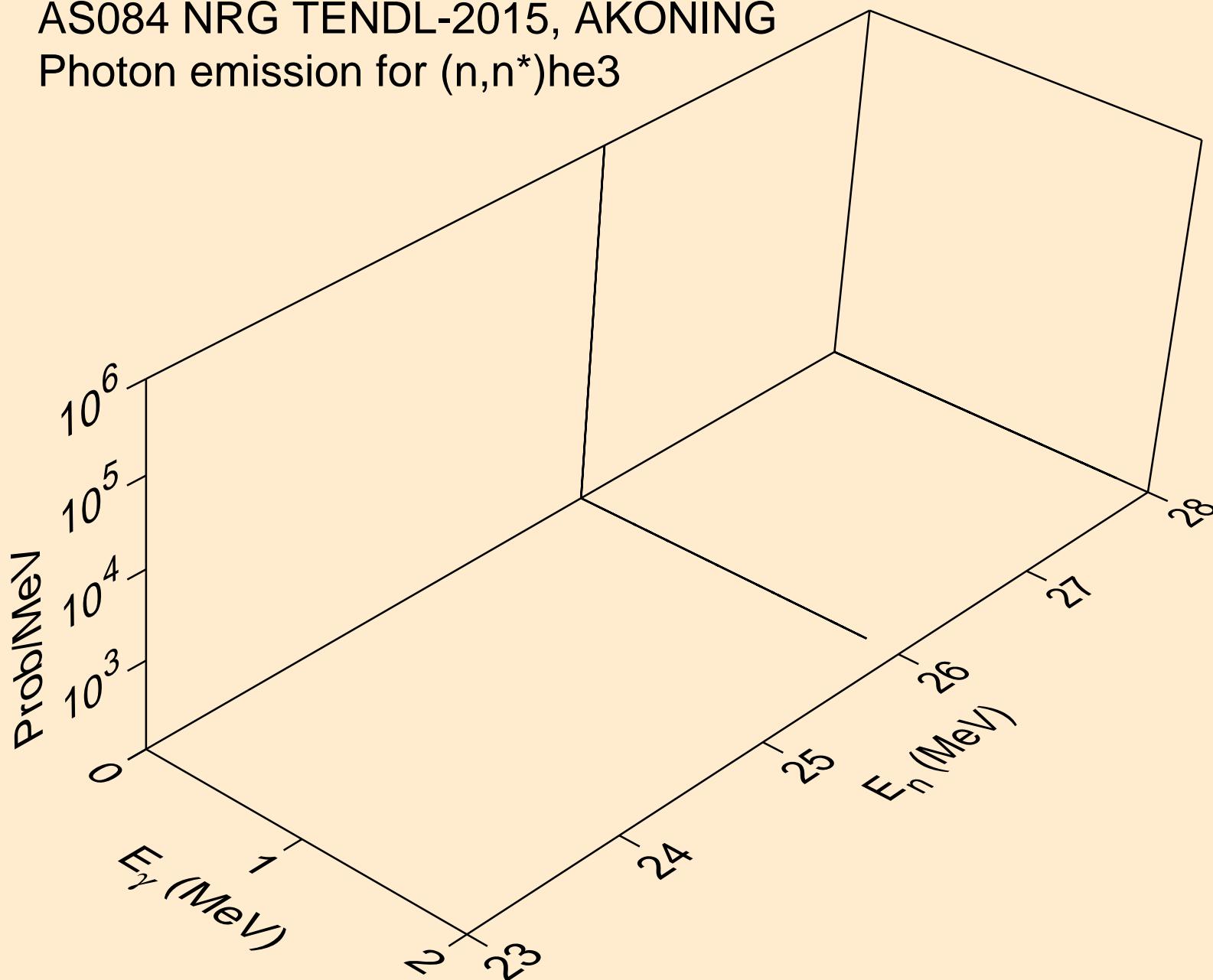
AS084 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d$



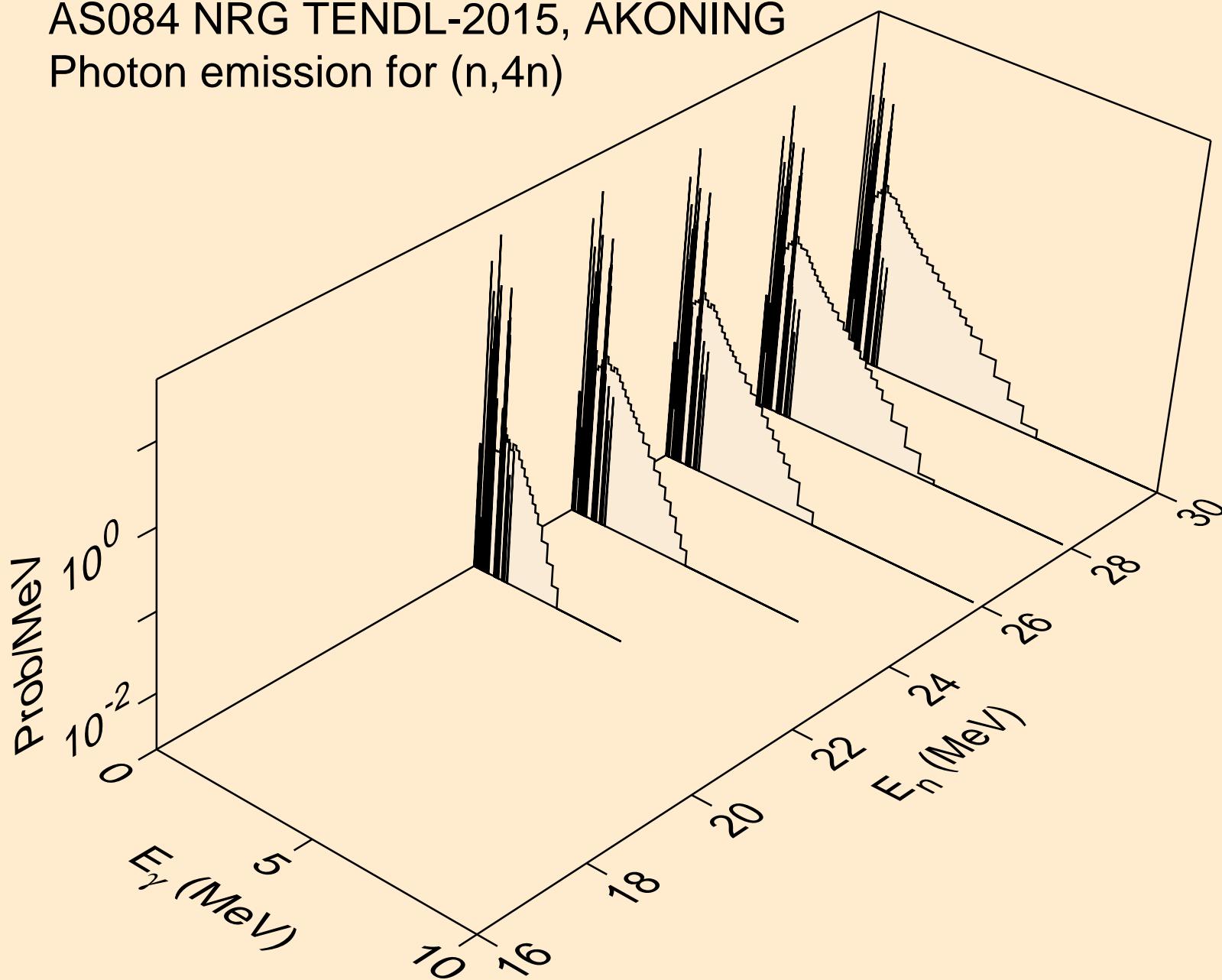
AS084 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



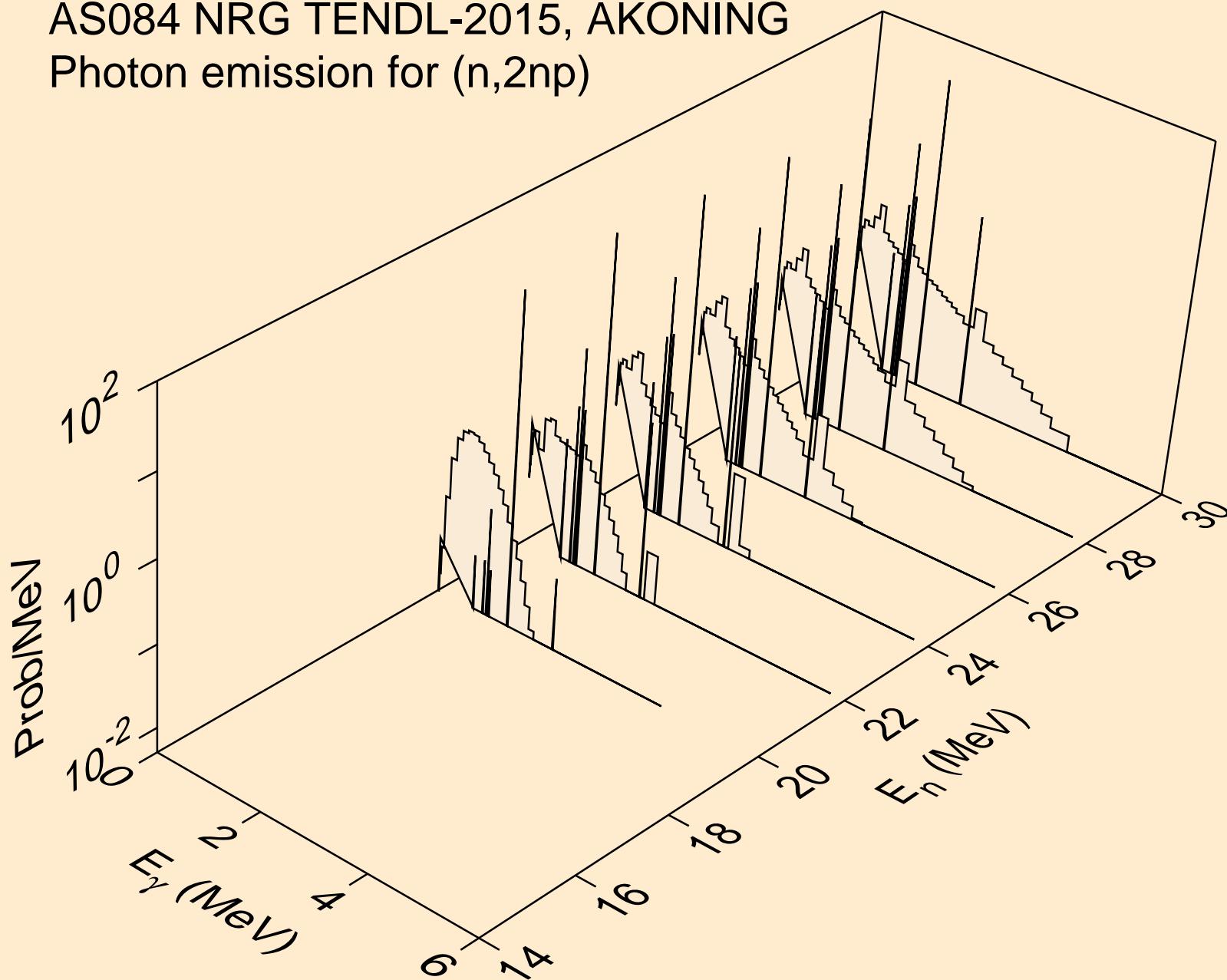
AS084 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



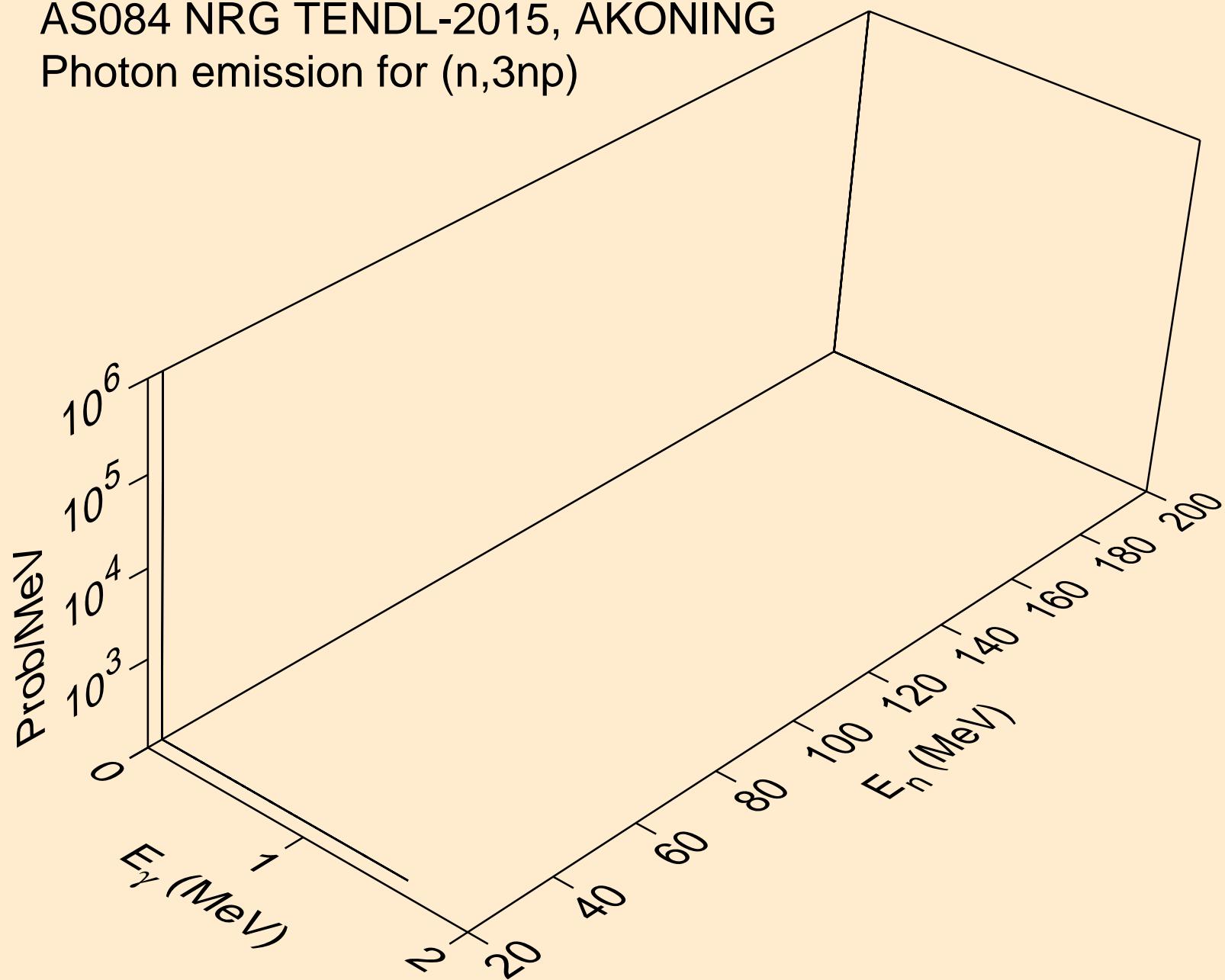
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Photon emission for (n,4n)



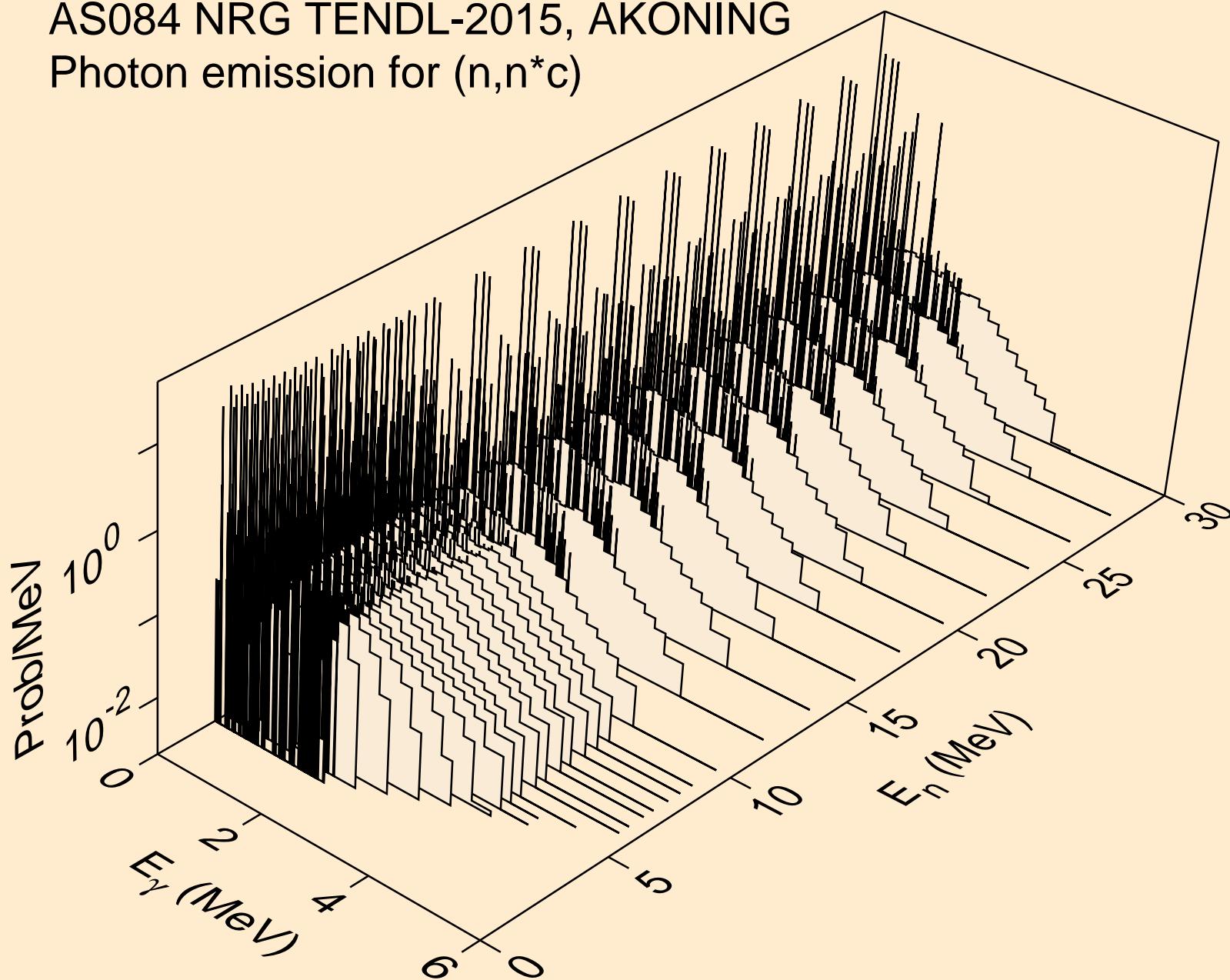
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Photon emission for (n,2np)



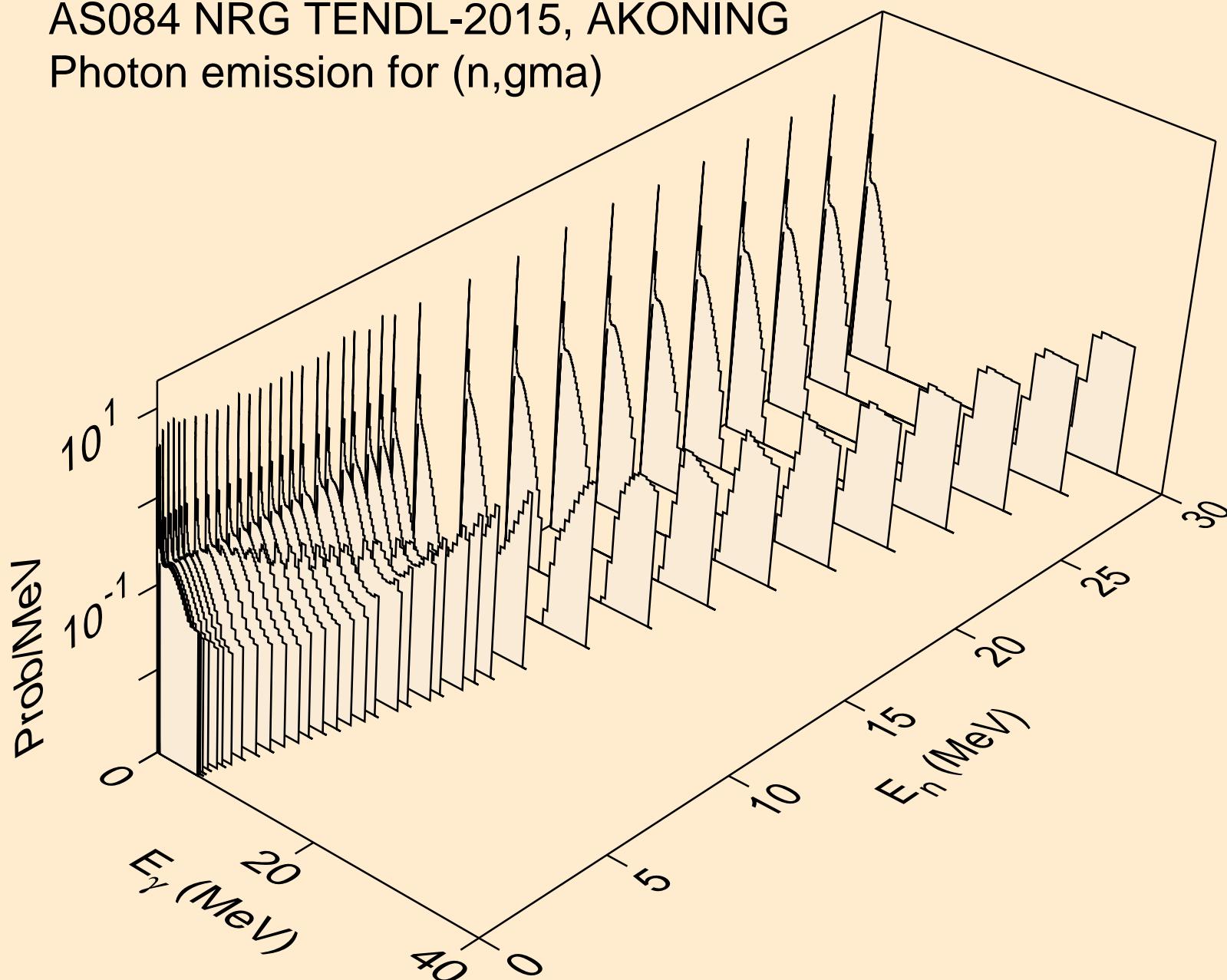
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Photon emission for (n,3np)



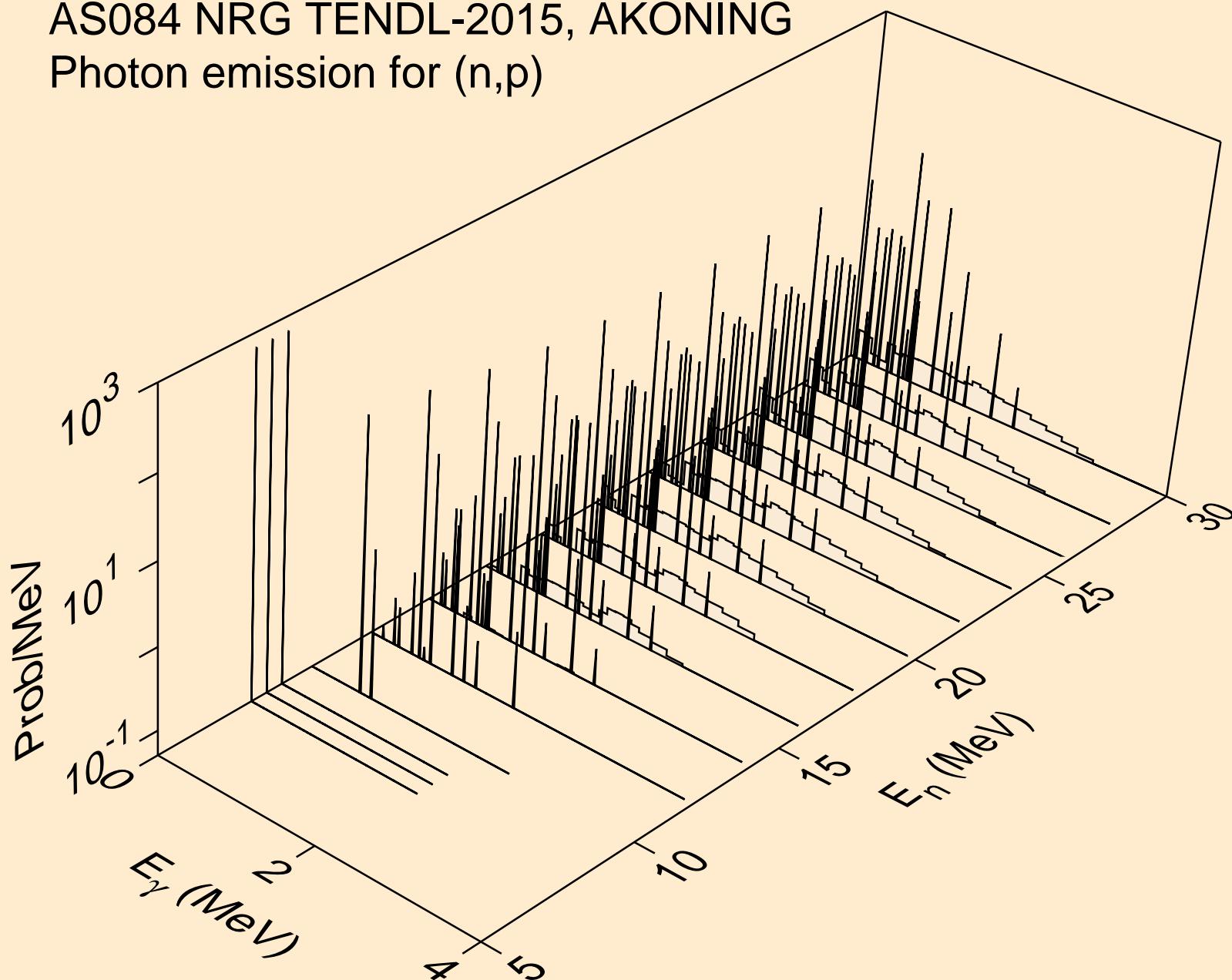
AS084 NRG TENDL-2015, AKONING  
Photon emission for ( $n, n^*c$ )



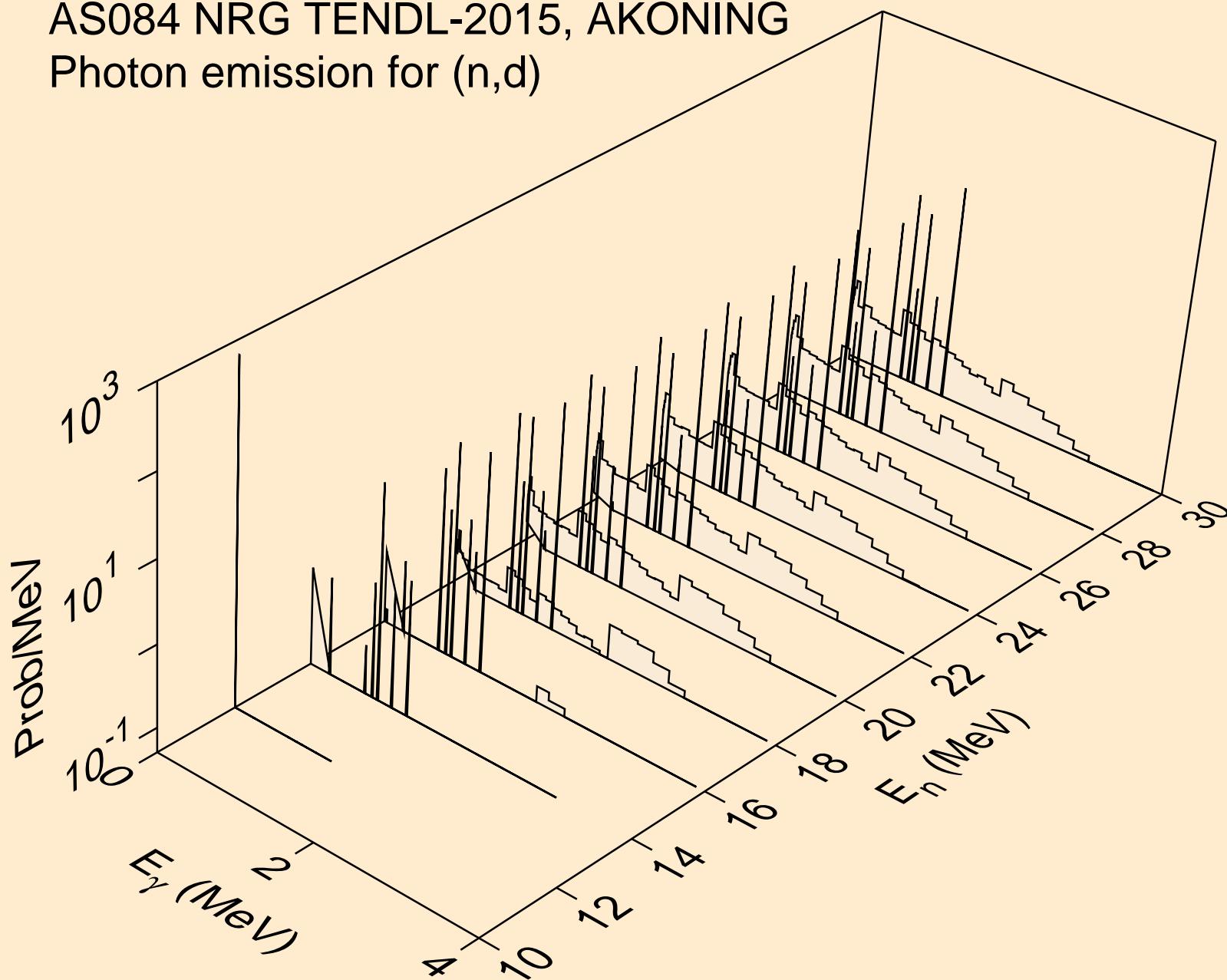
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



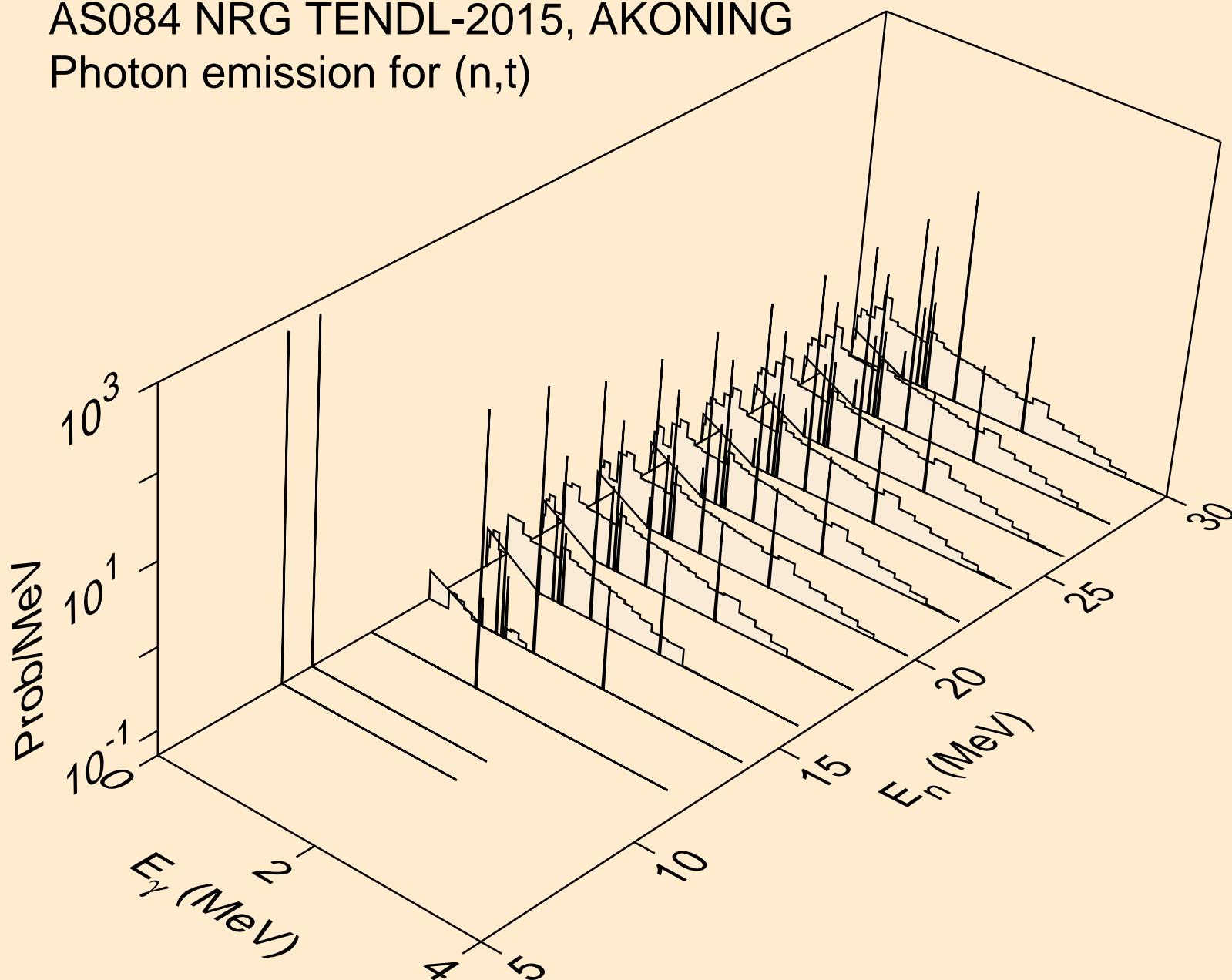
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



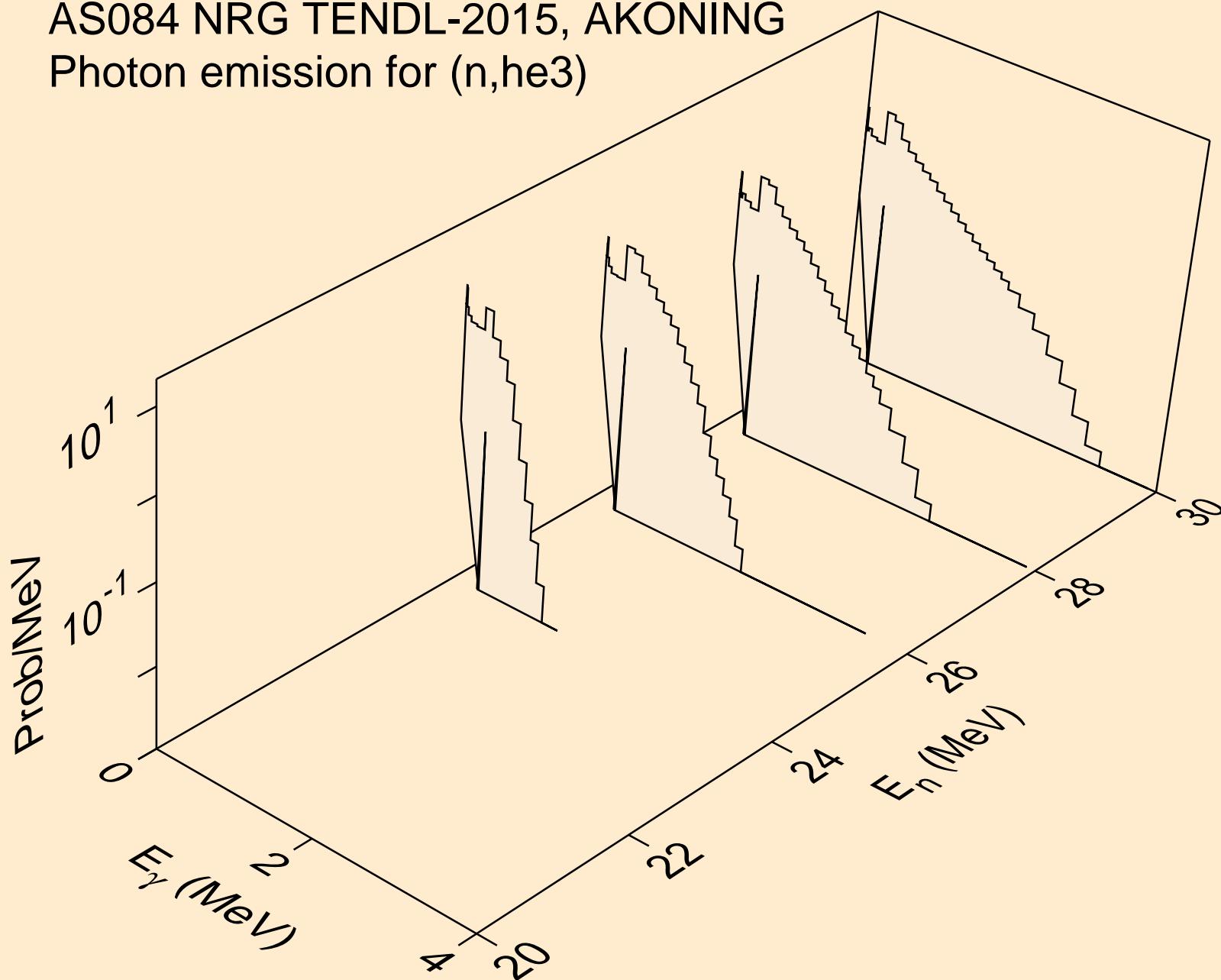
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



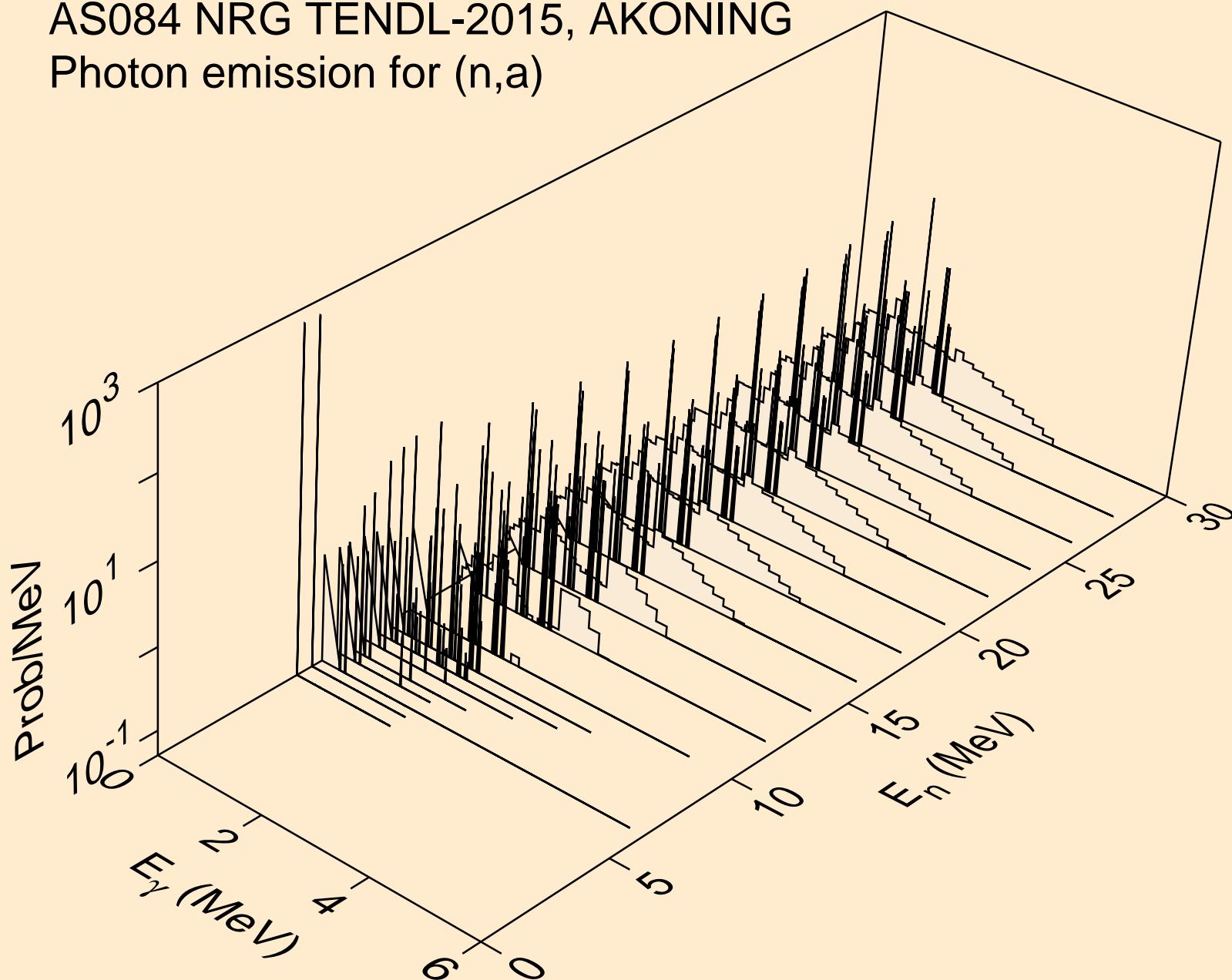
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



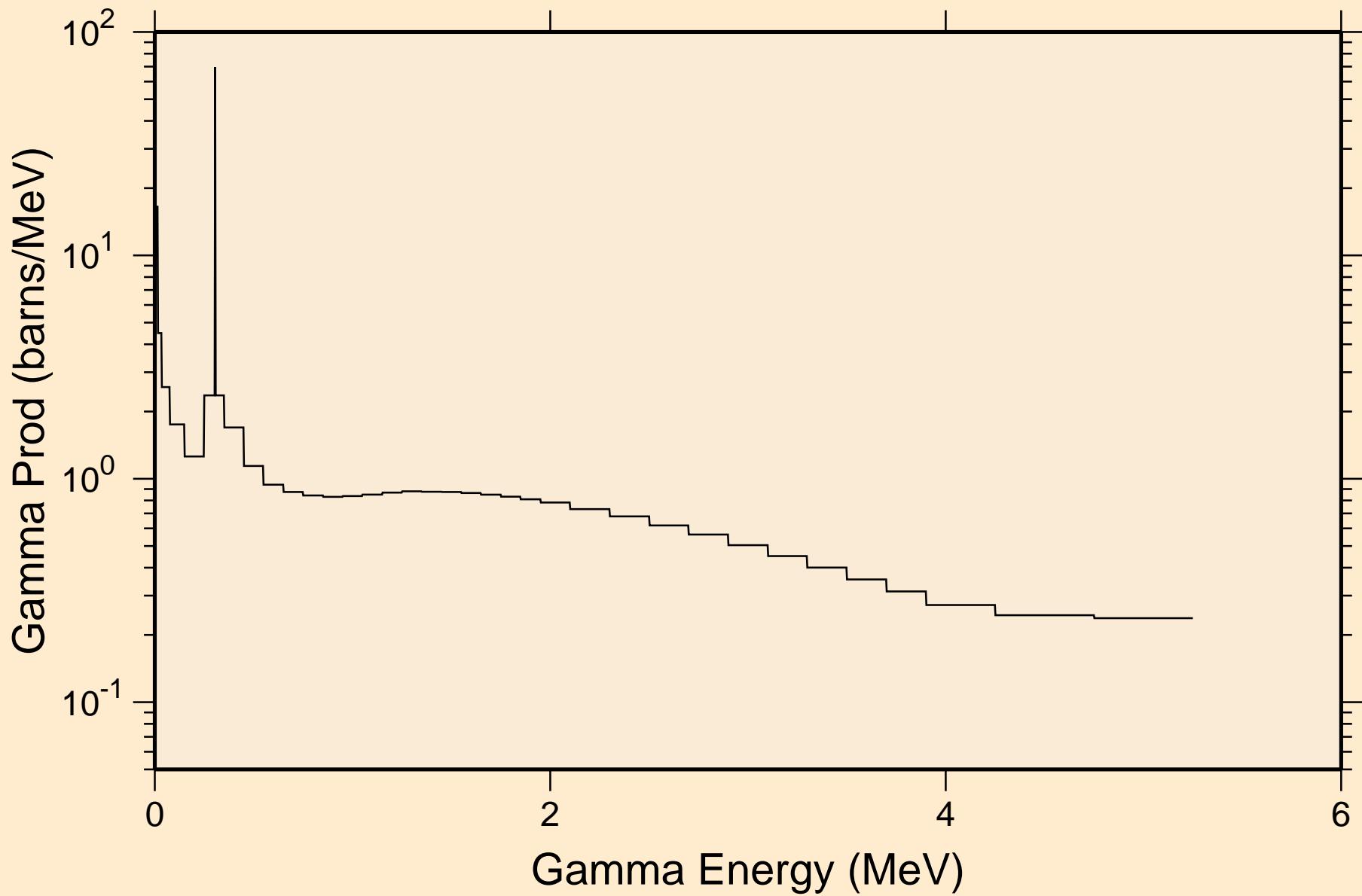
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



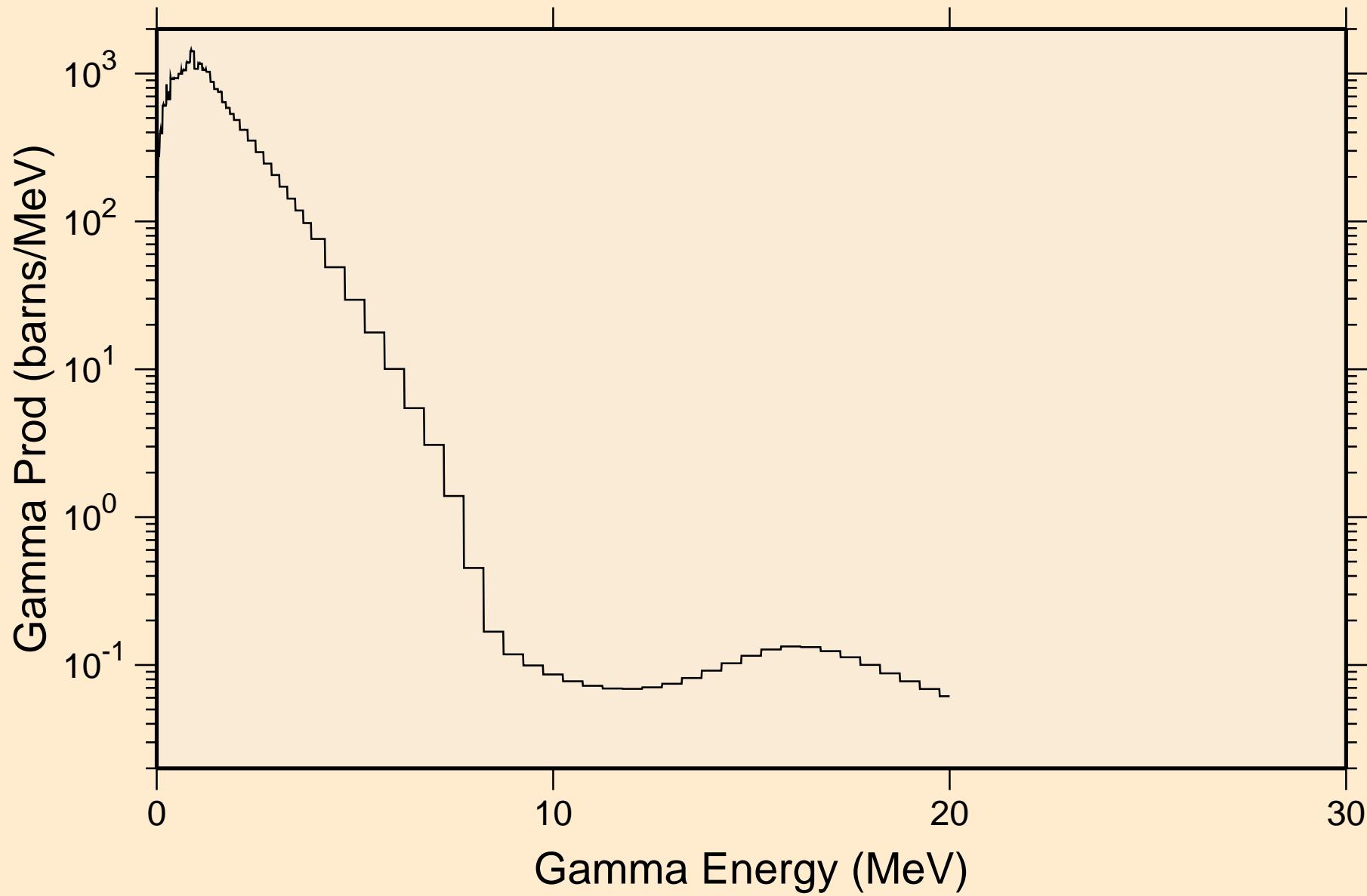
AS084 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



AS084 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

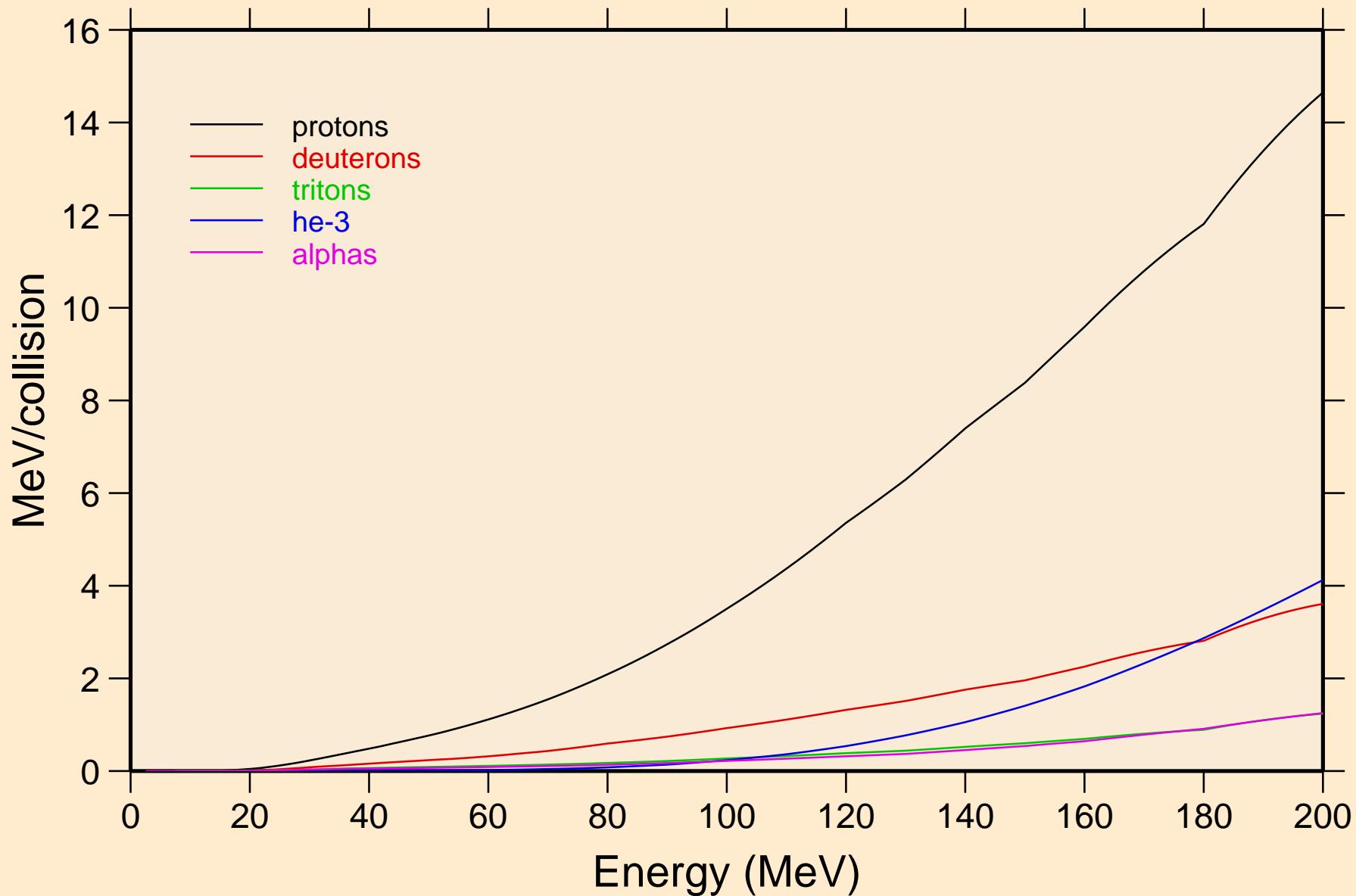


AS084 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



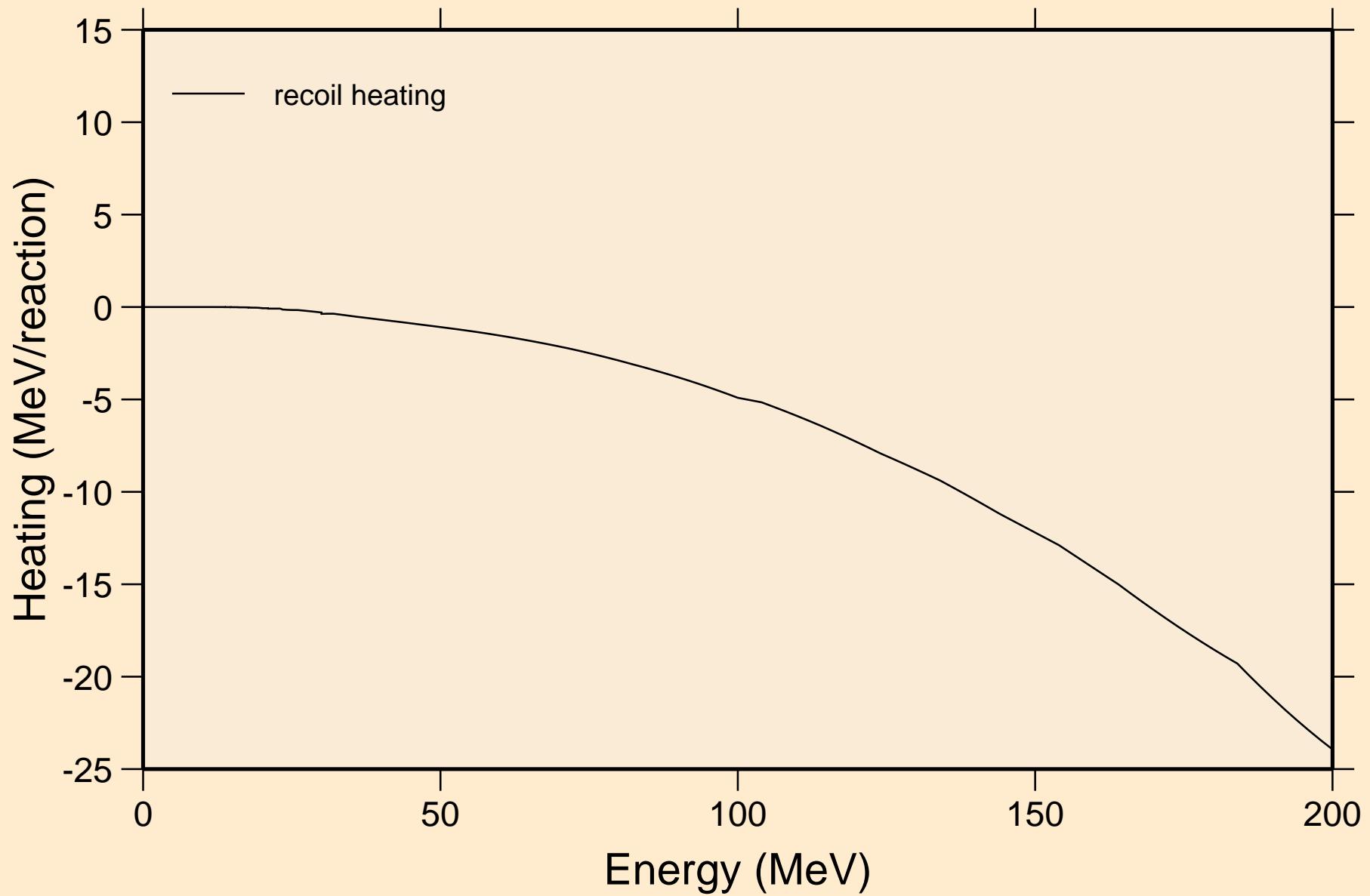
# AS084 NRG TENDL-2015, AKONING

## Particle heating contributions



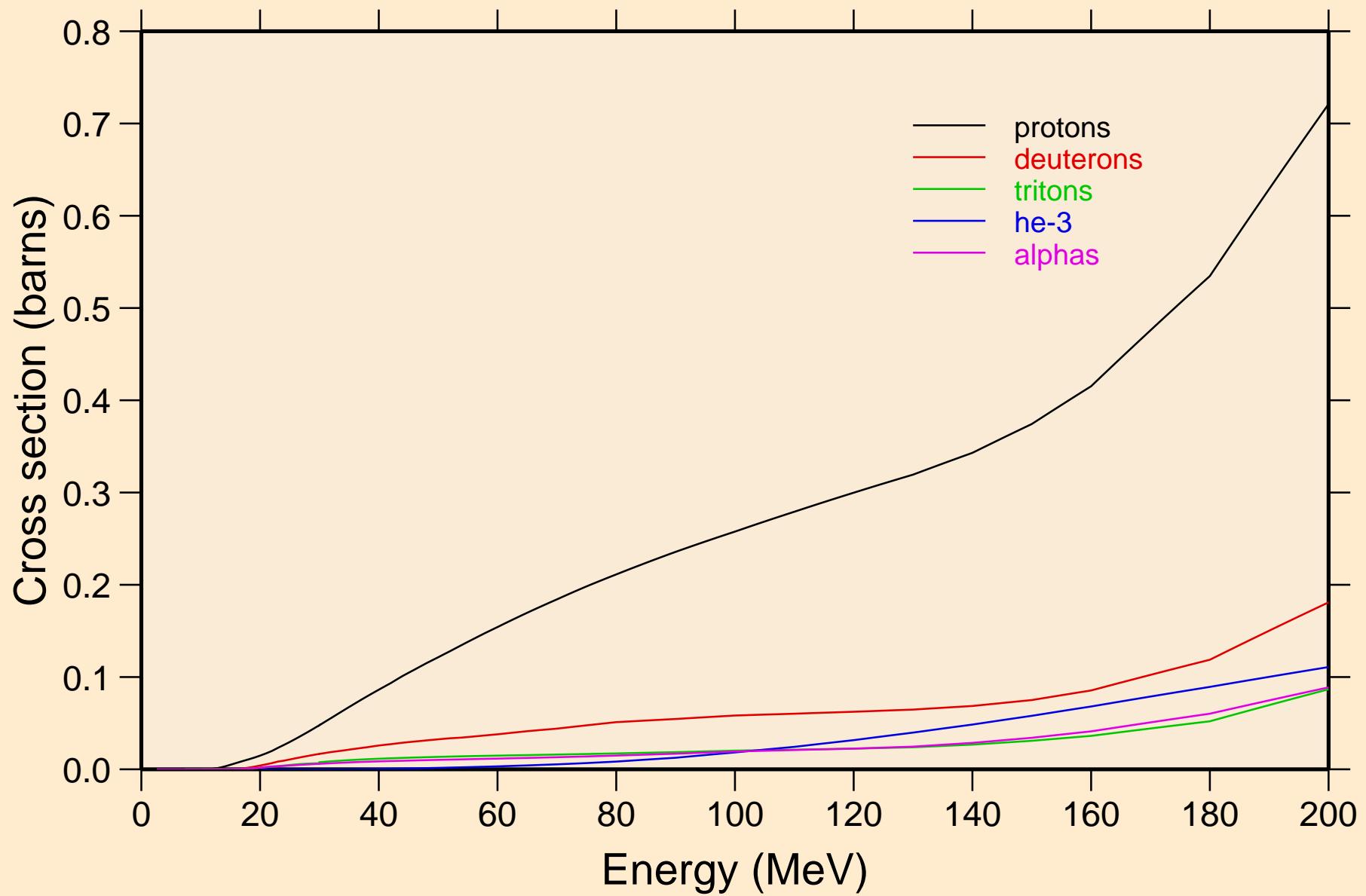
# AS084 NRG TENDL-2015, AKONING

## Recoil Heating

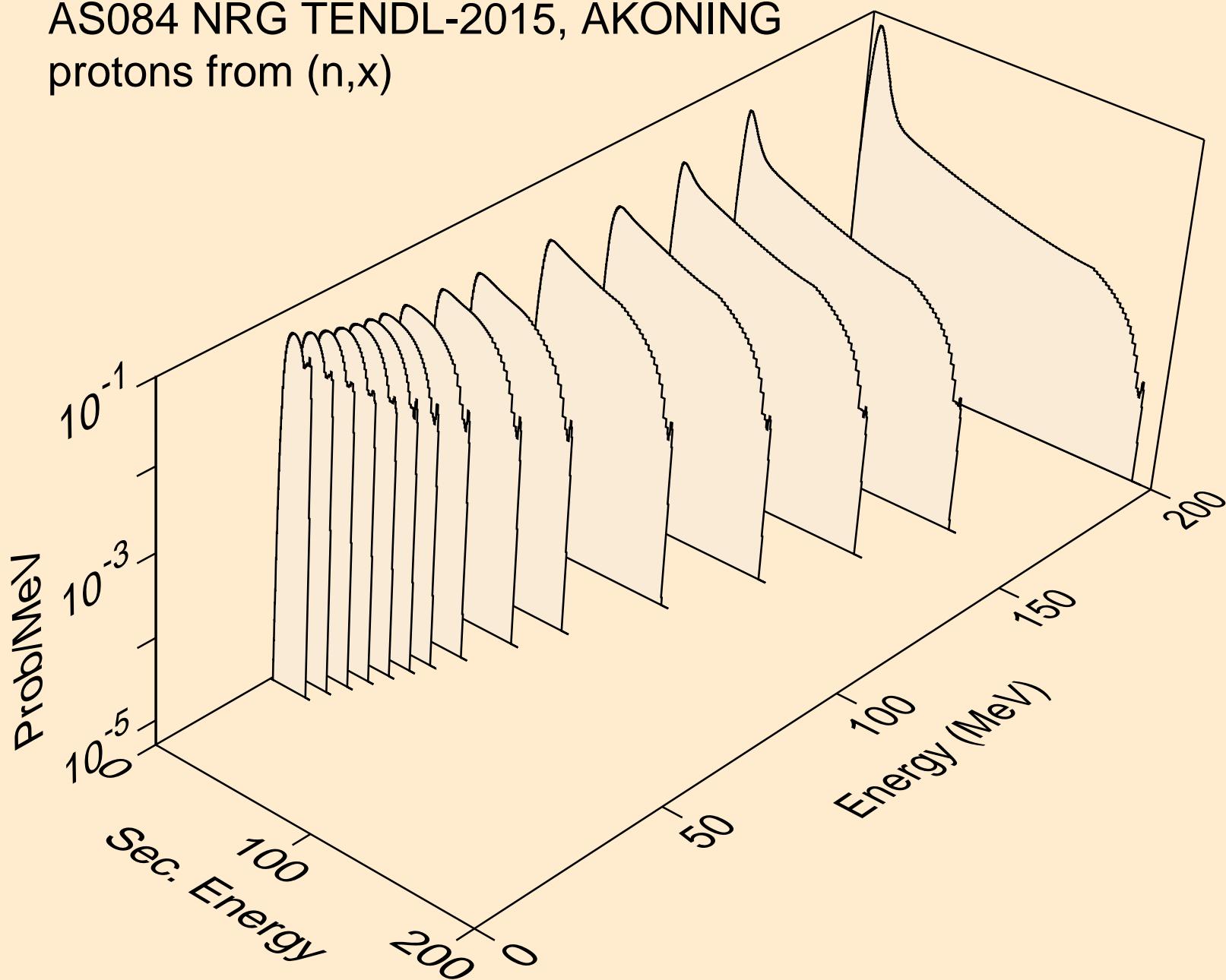


# AS084 NRG TENDL-2015, AKONING

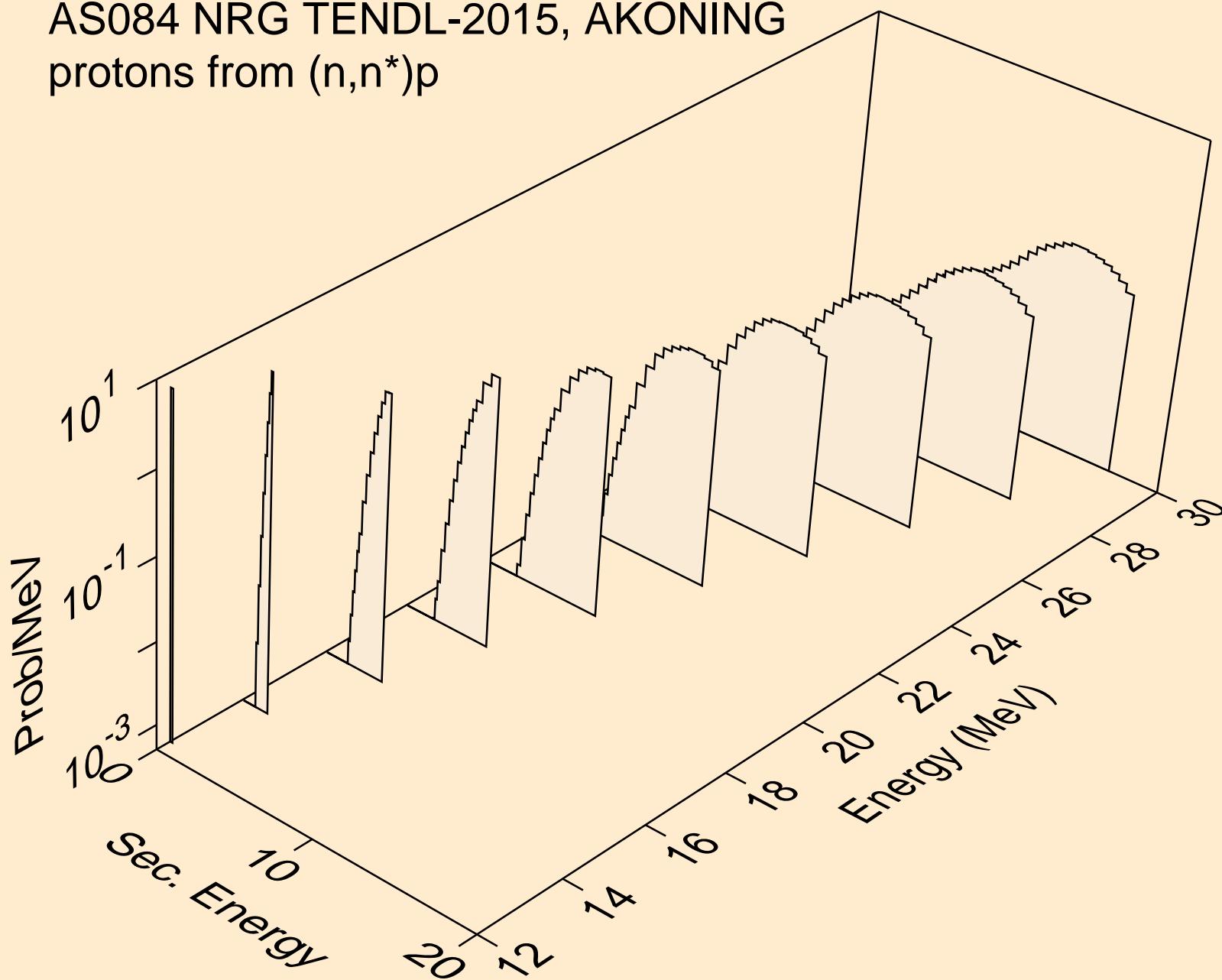
## Particle production cross sections



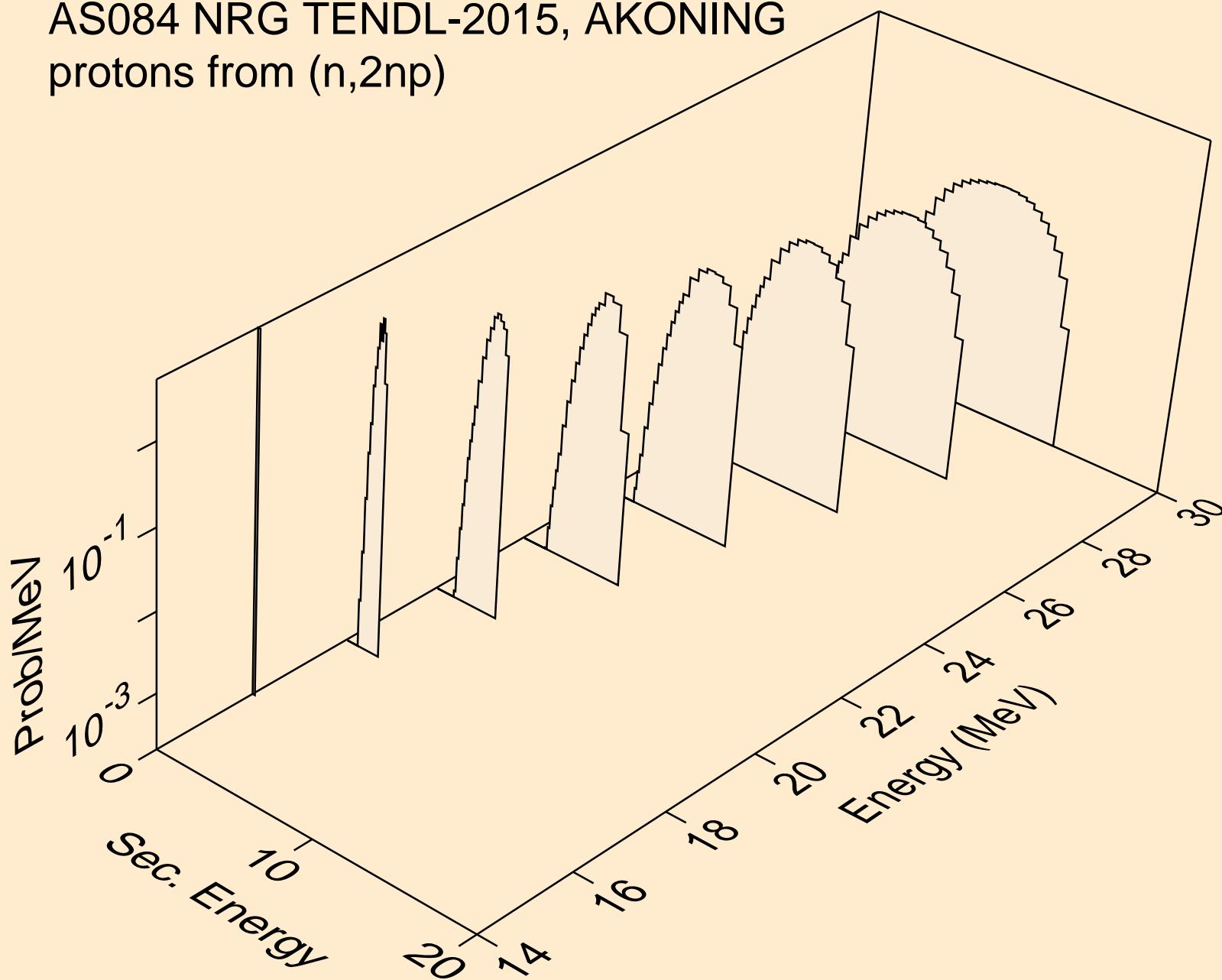
AS084 NRG TENDL-2015, AKONING  
protons from ( $n, x$ )



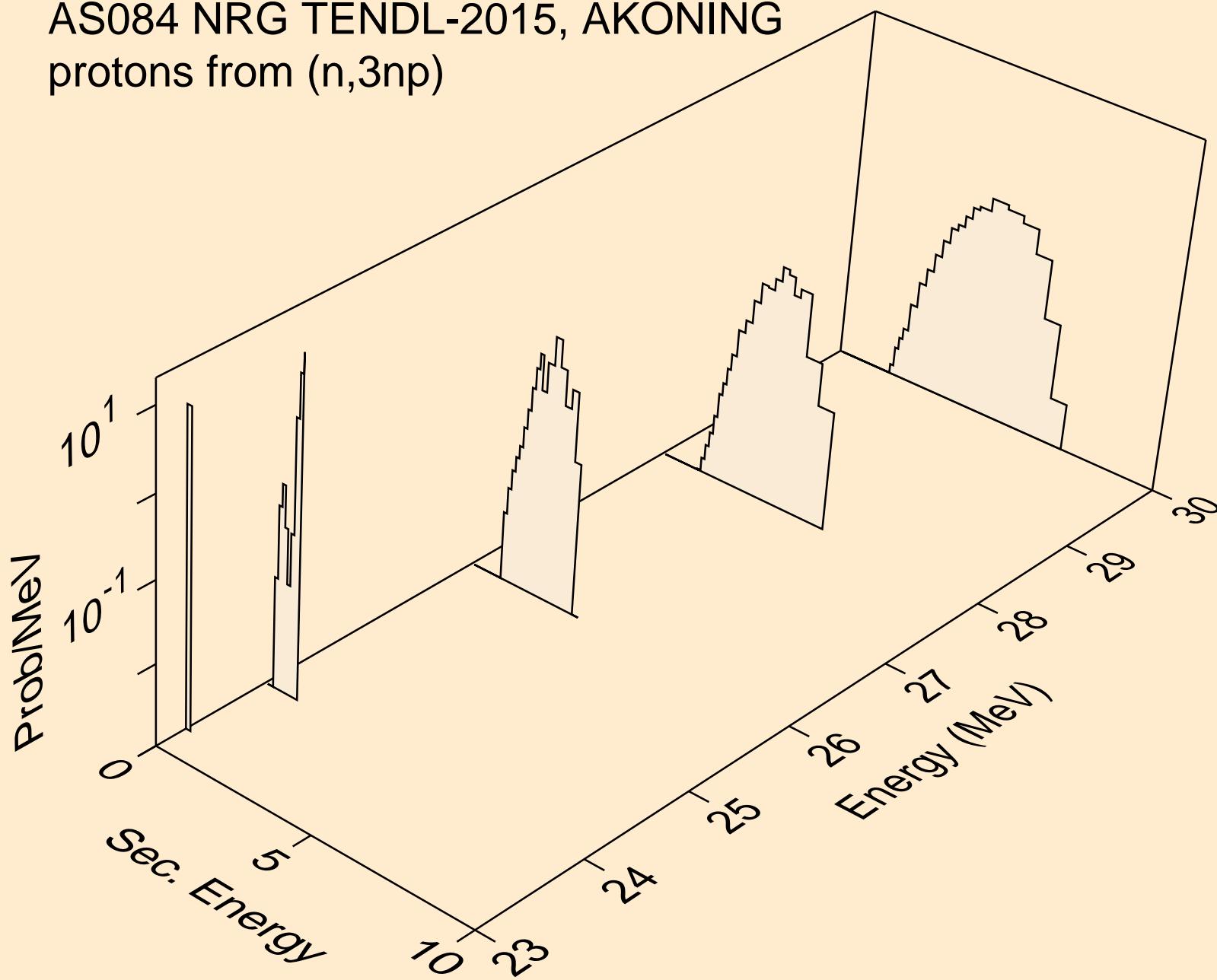
AS084 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



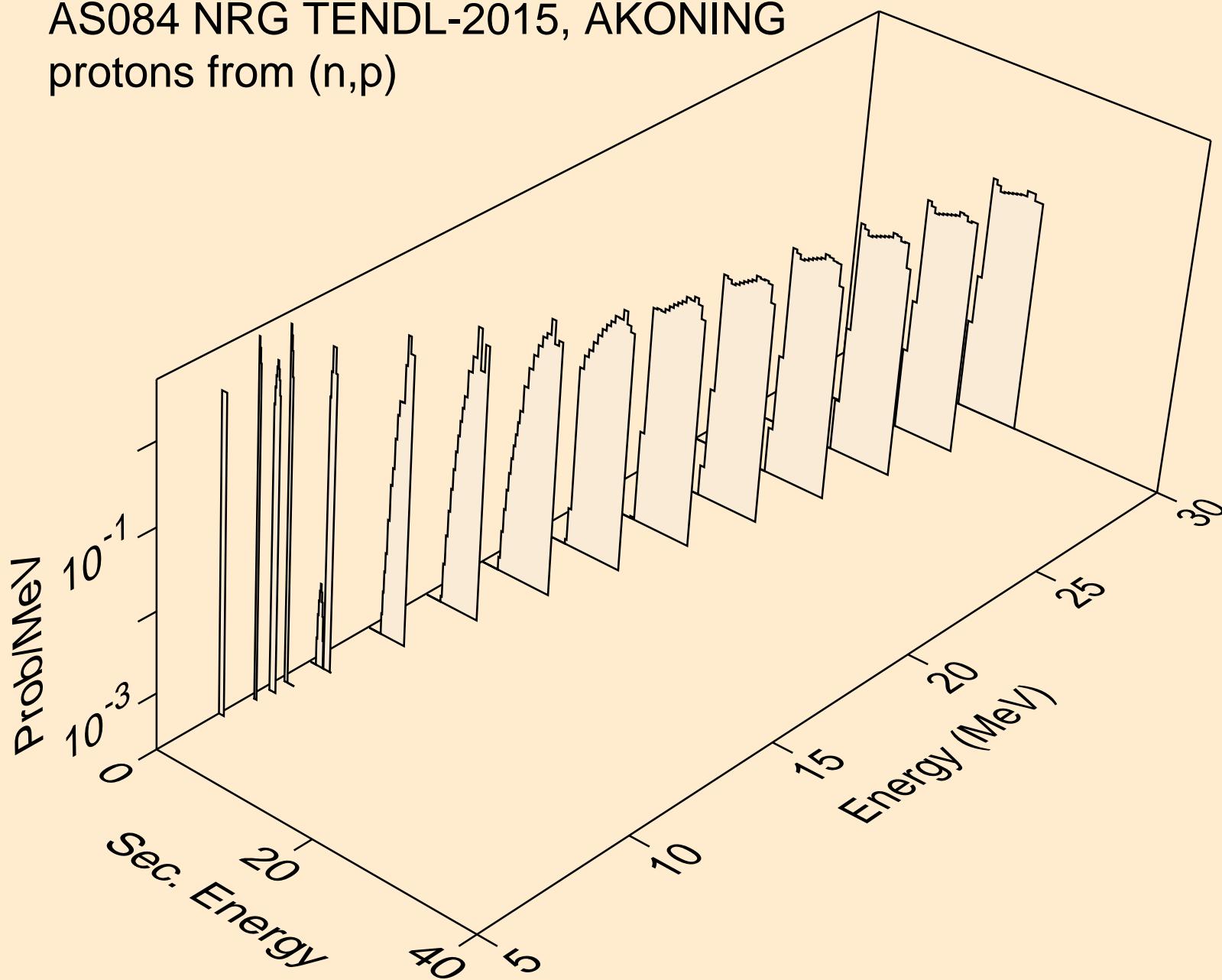
AS084 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



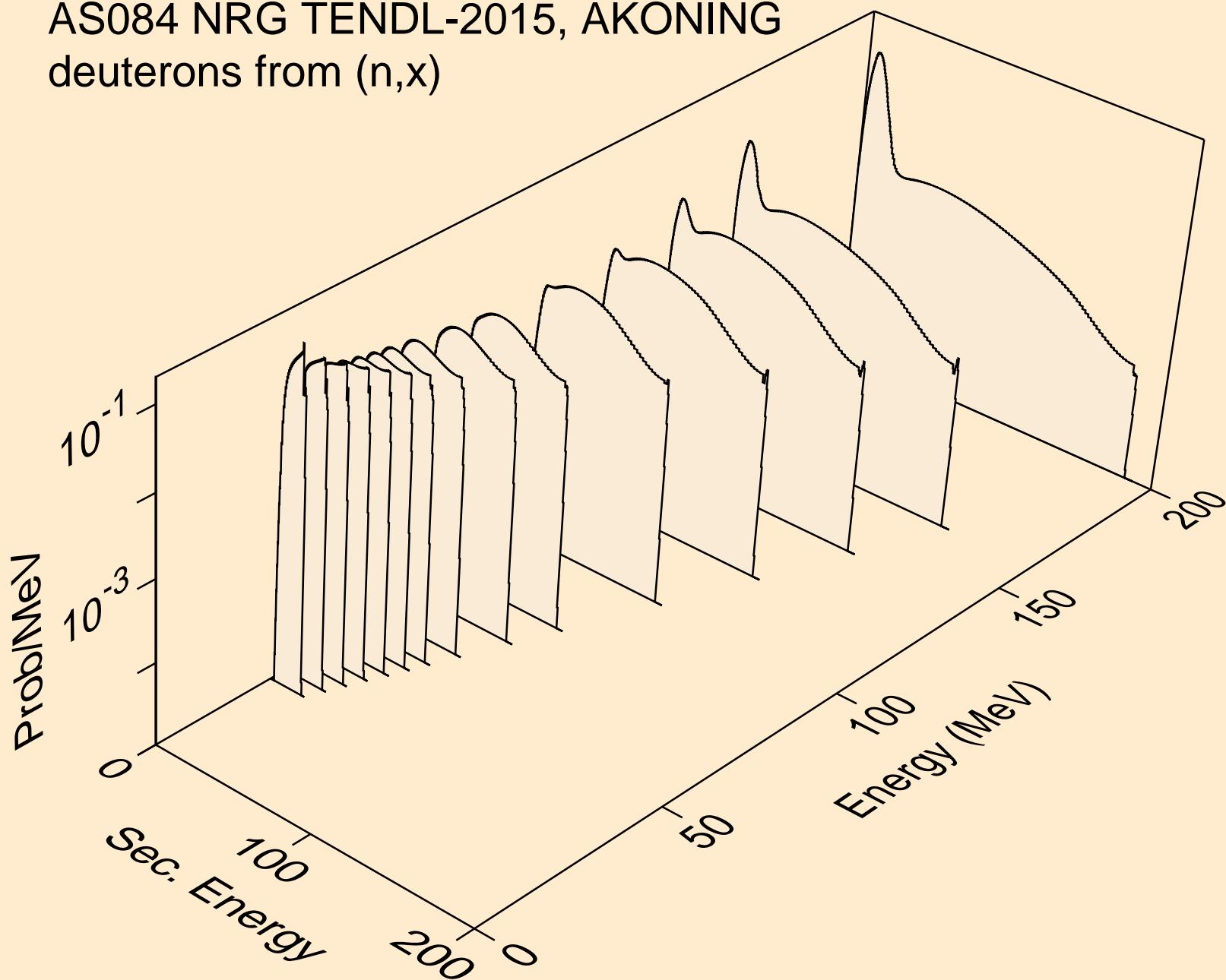
AS084 NRG TENDL-2015, AKONING  
protons from ( $n,3np$ )



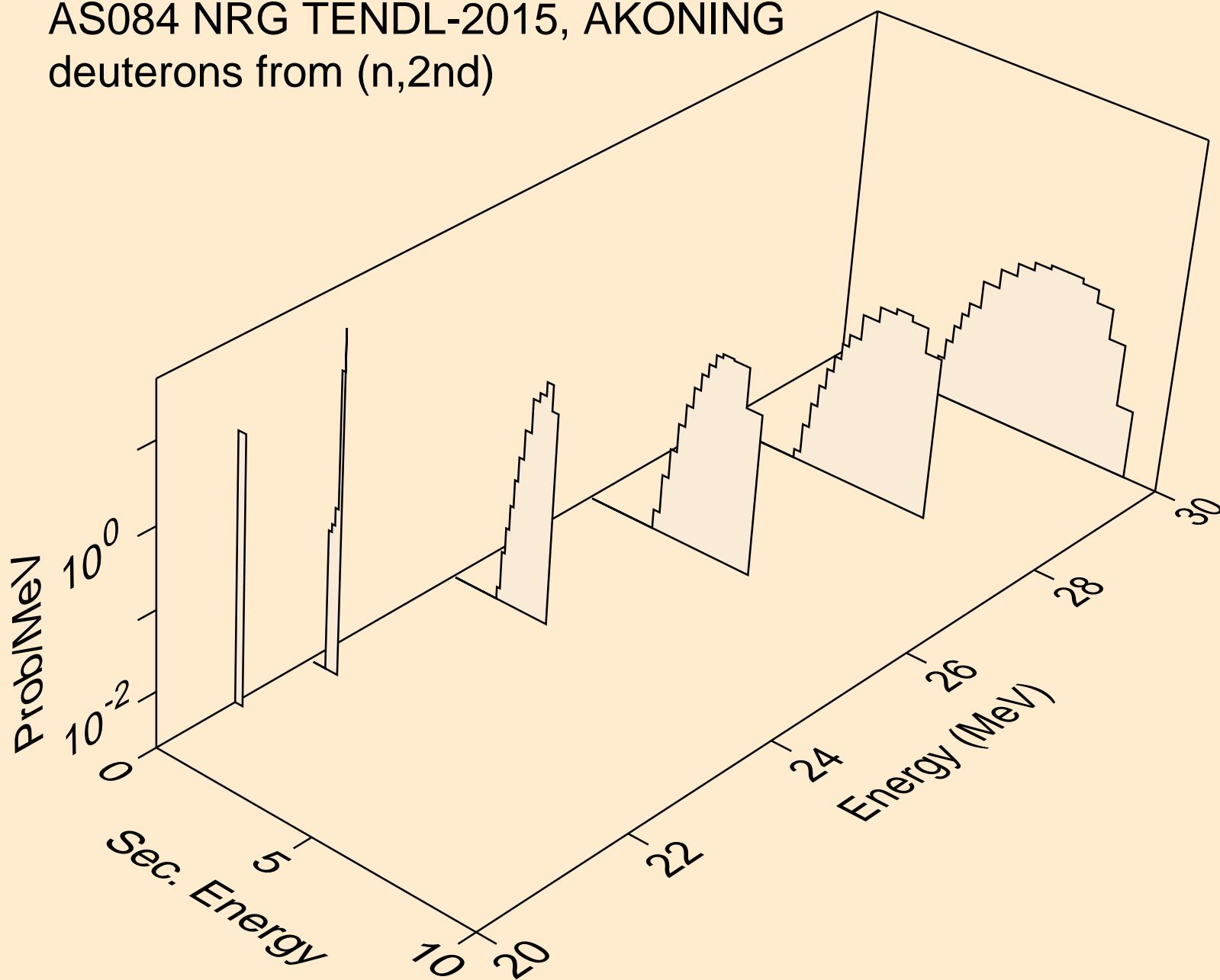
AS084 NRG TENDL-2015, AKONING  
protons from (n,p)



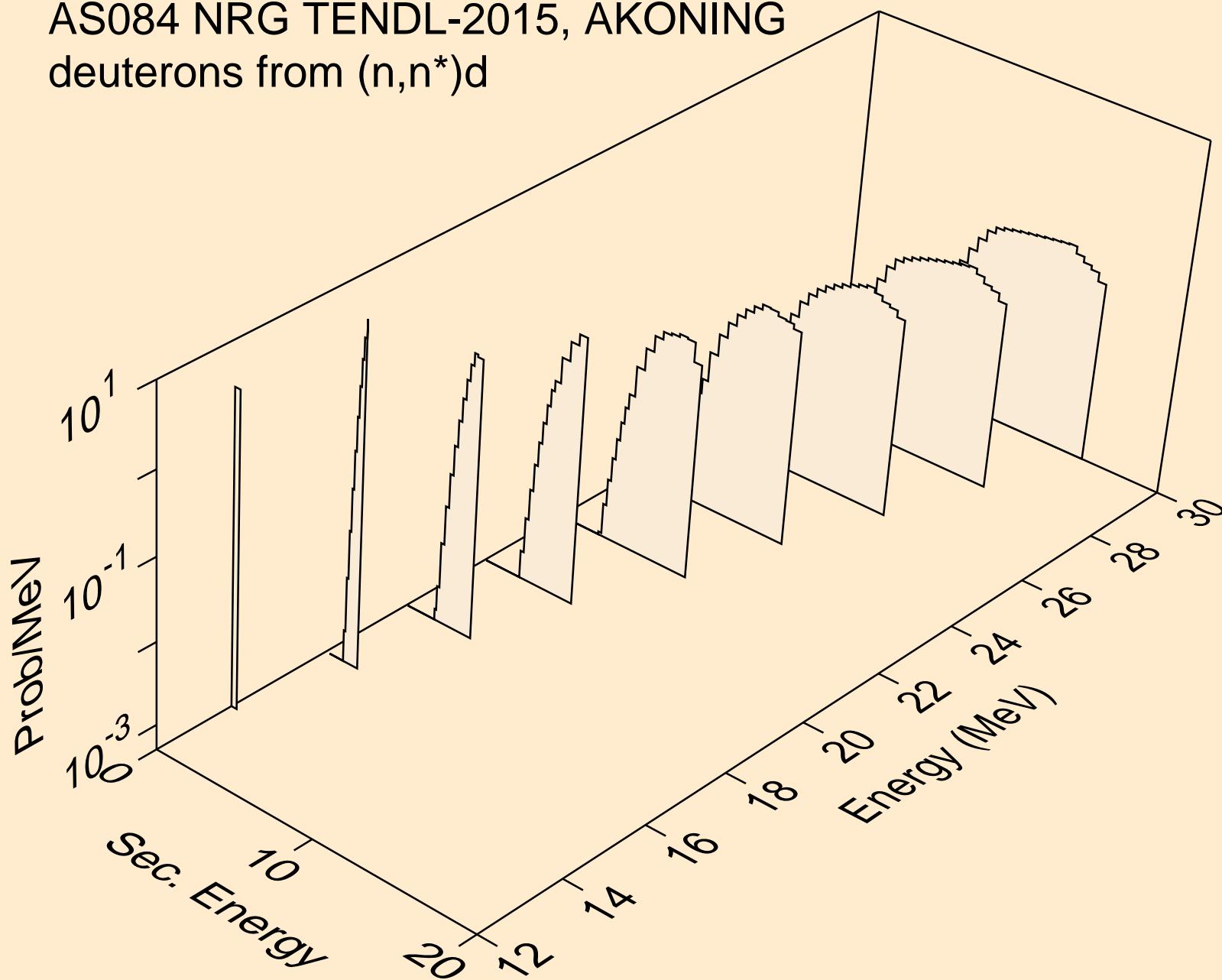
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deuterons from ( $n, x$ )



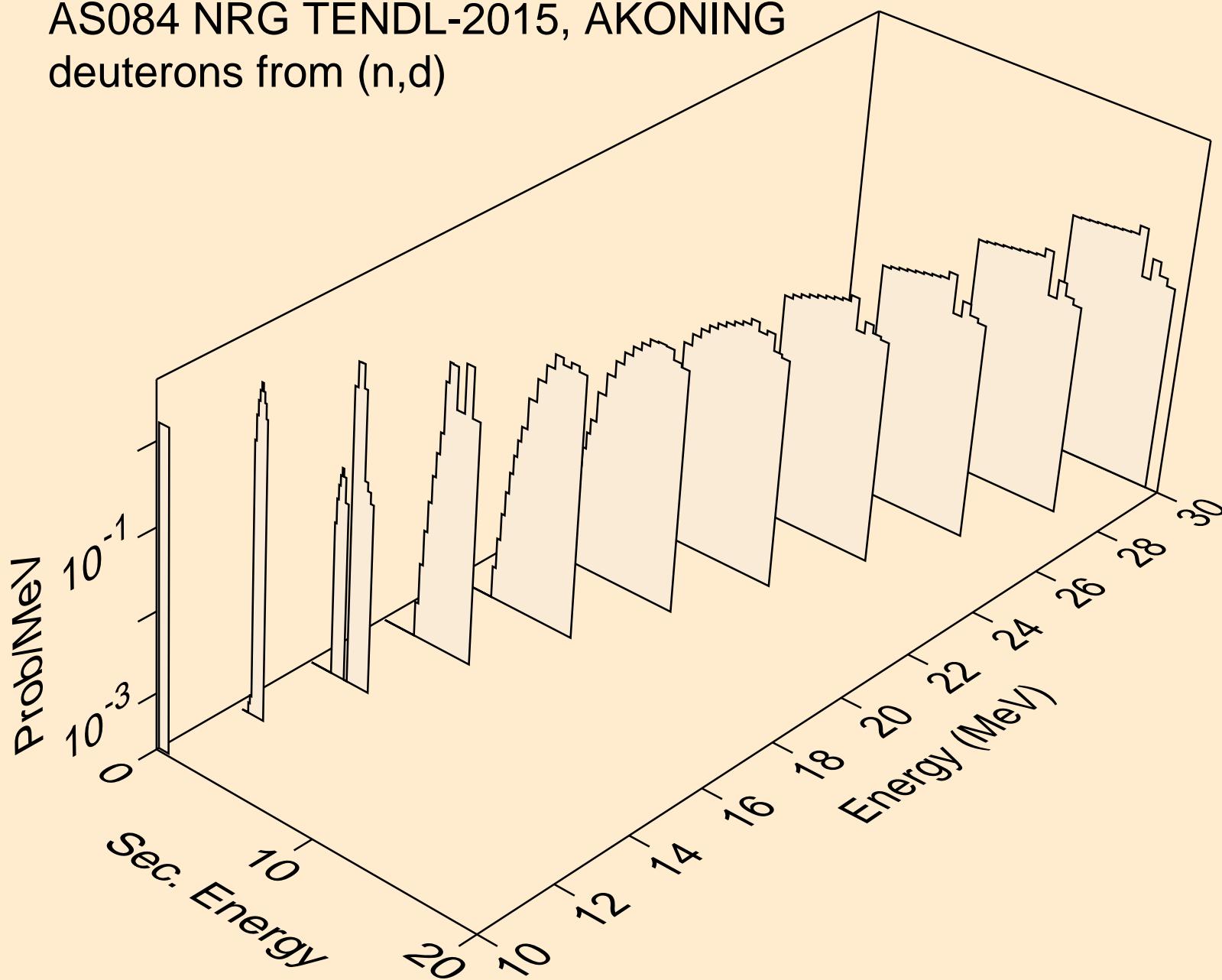
AS084 NRG TENDL-2015, AKONING  
deuterons from ( $n,2nd$ )



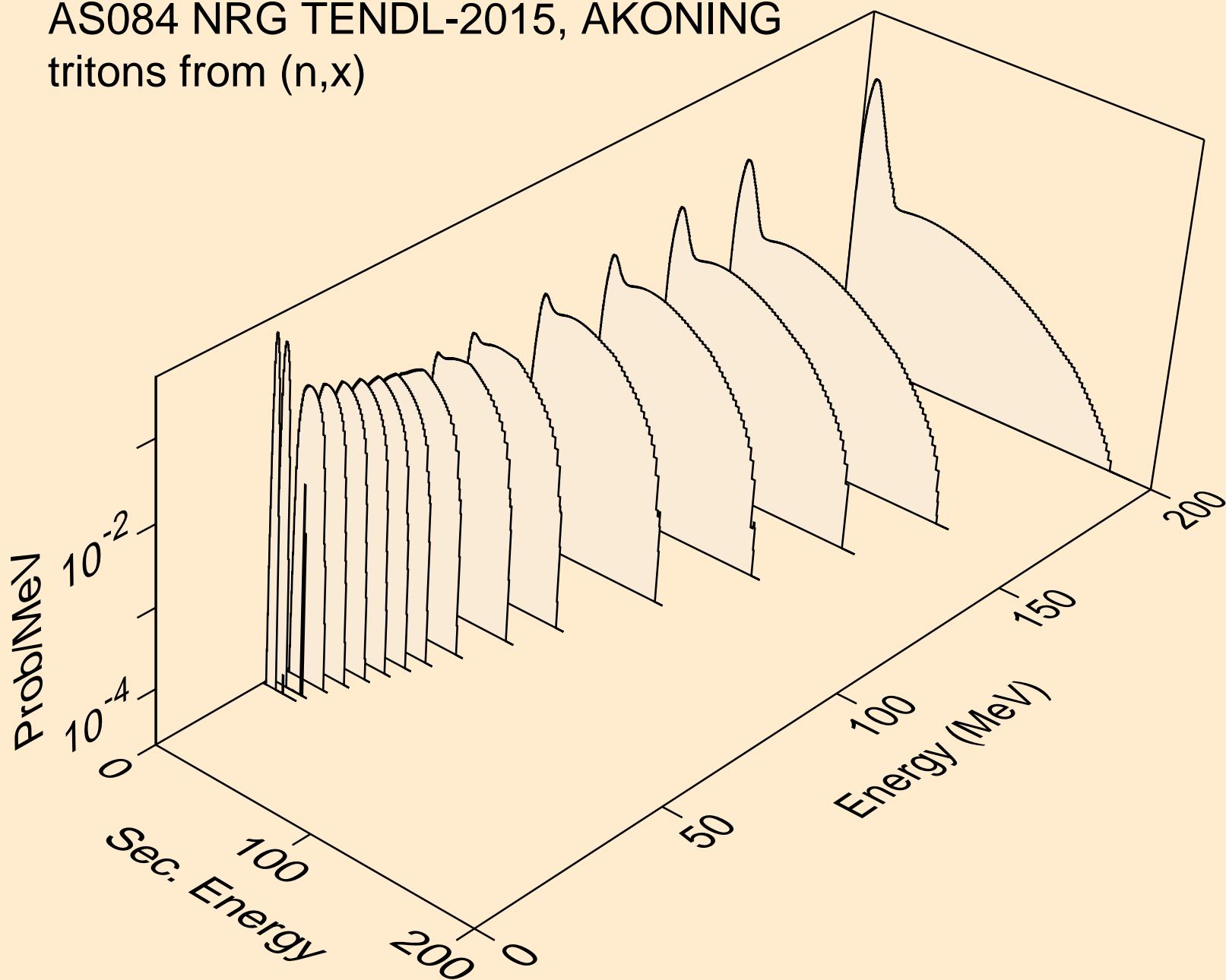
AS084 NRG TENDL-2015, AKONING  
deuterons from  $(n,n^*)d$



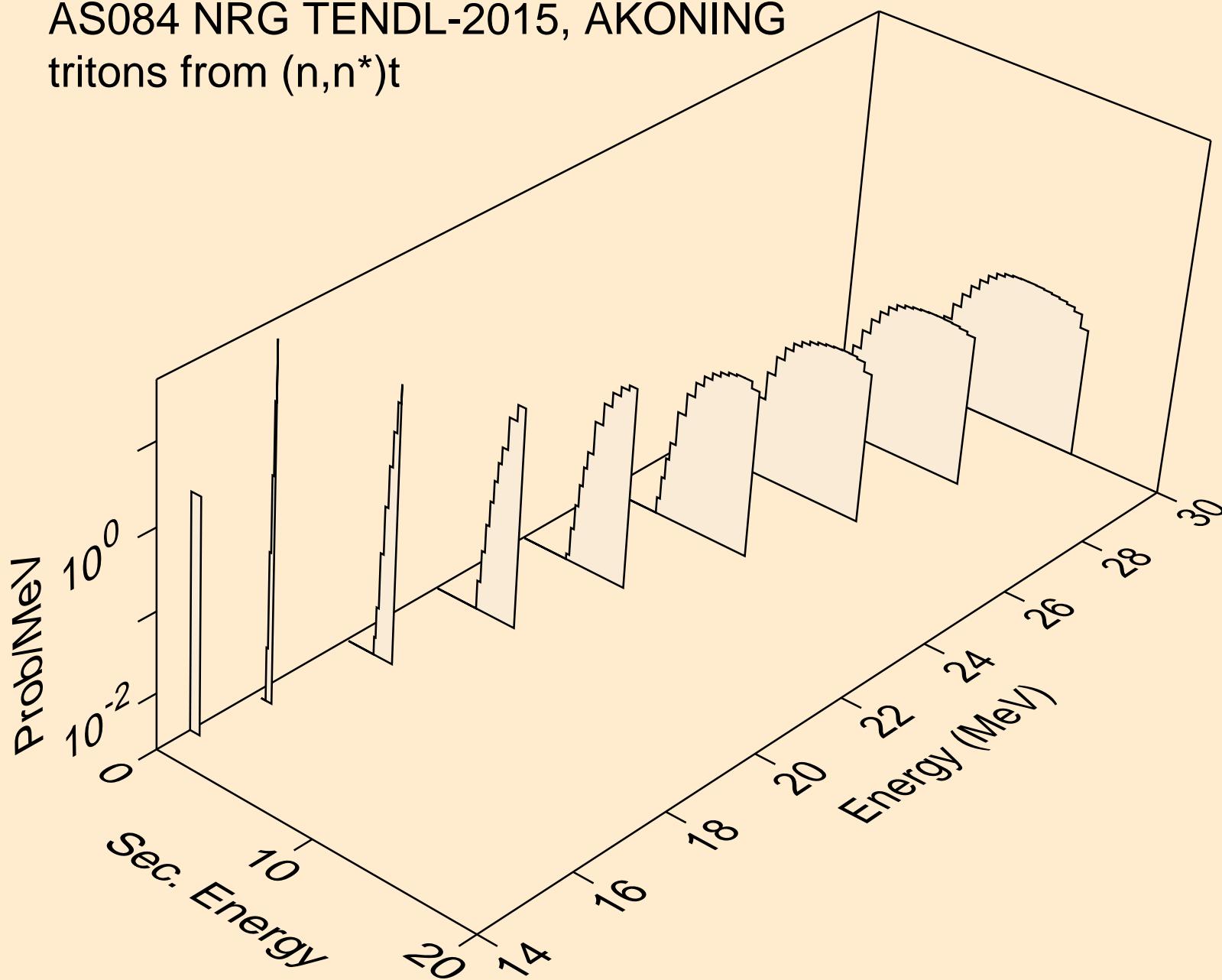
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deuterons from ( $n, d$ )



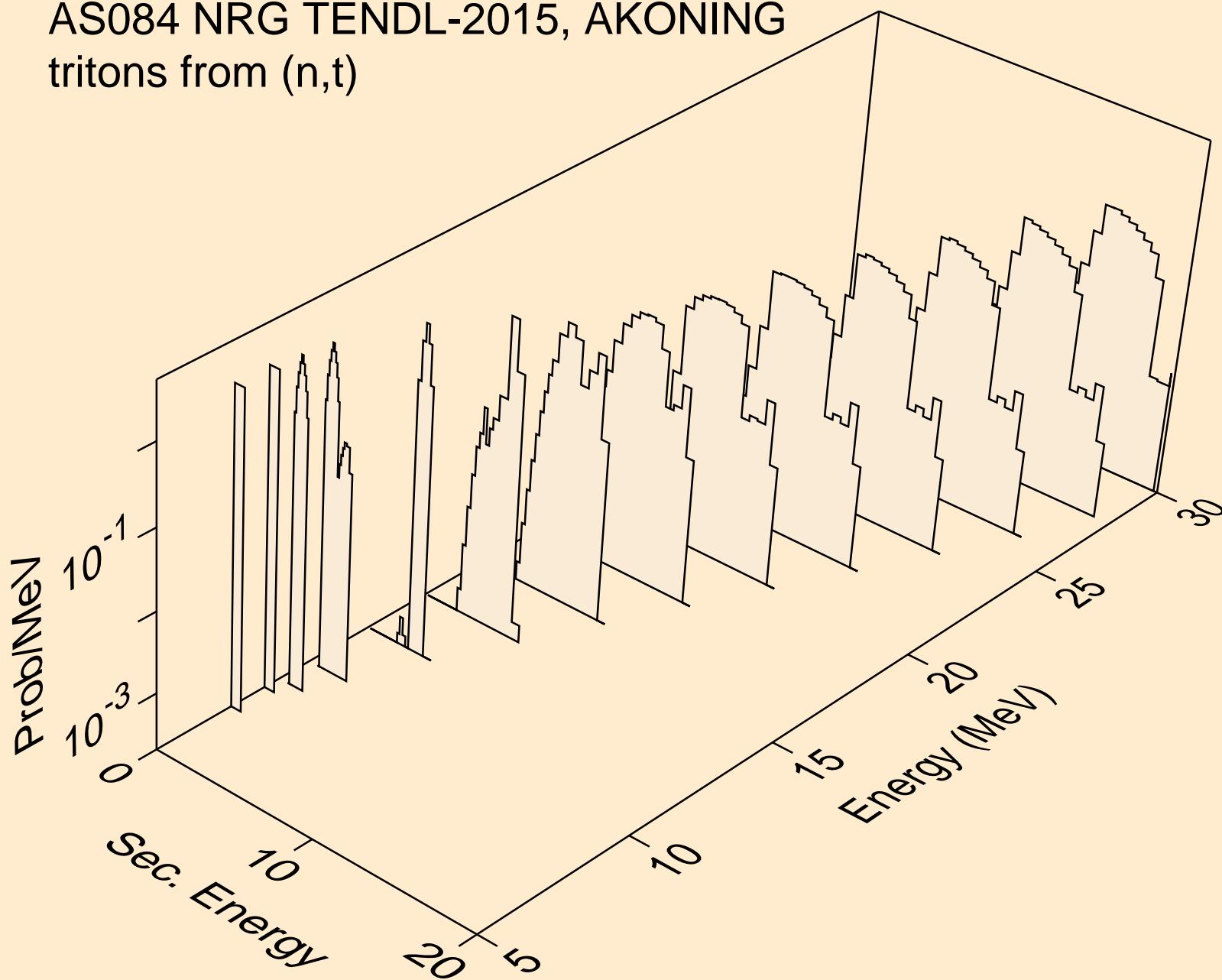
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tritons from ( $n,x$ )



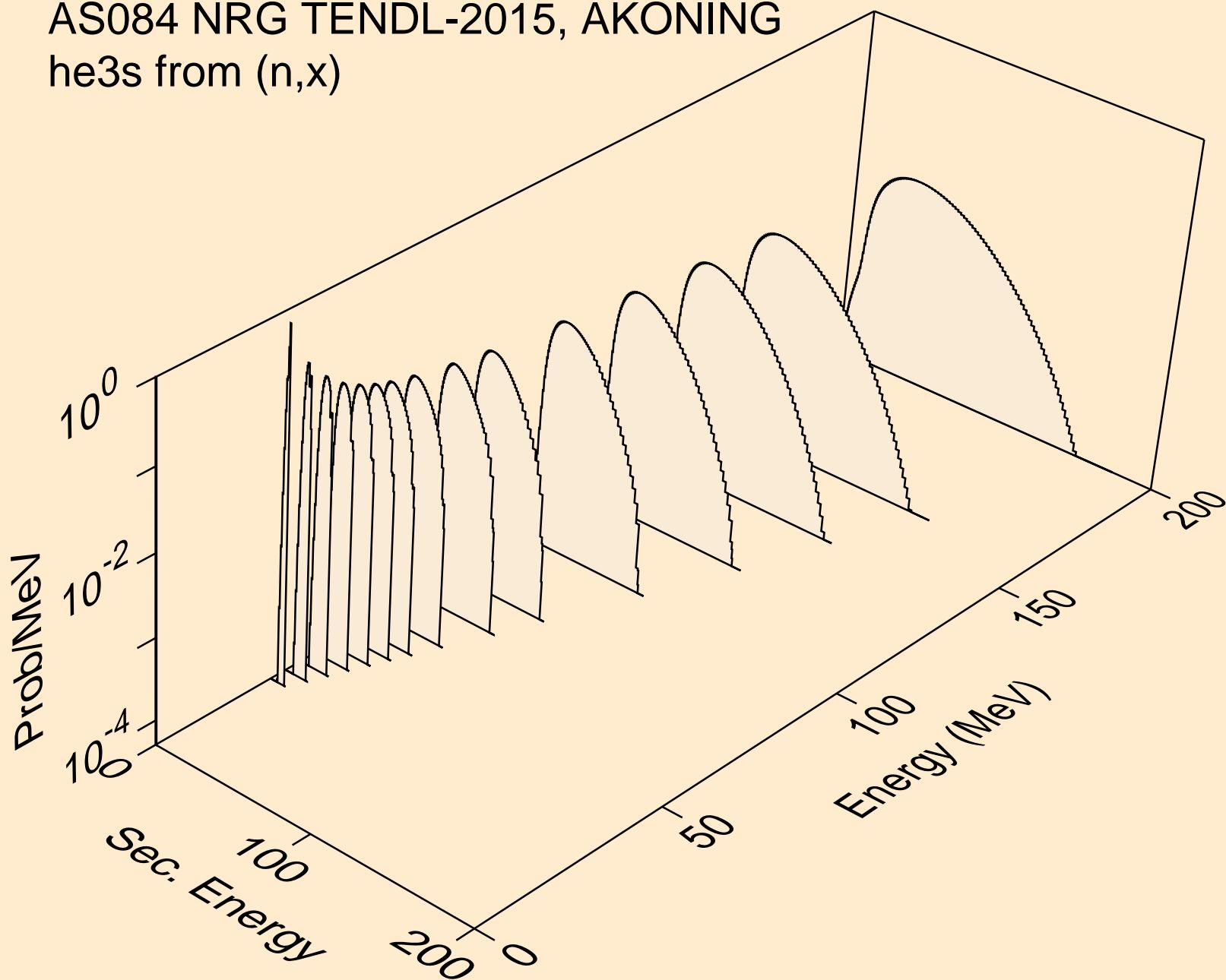
AS084 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



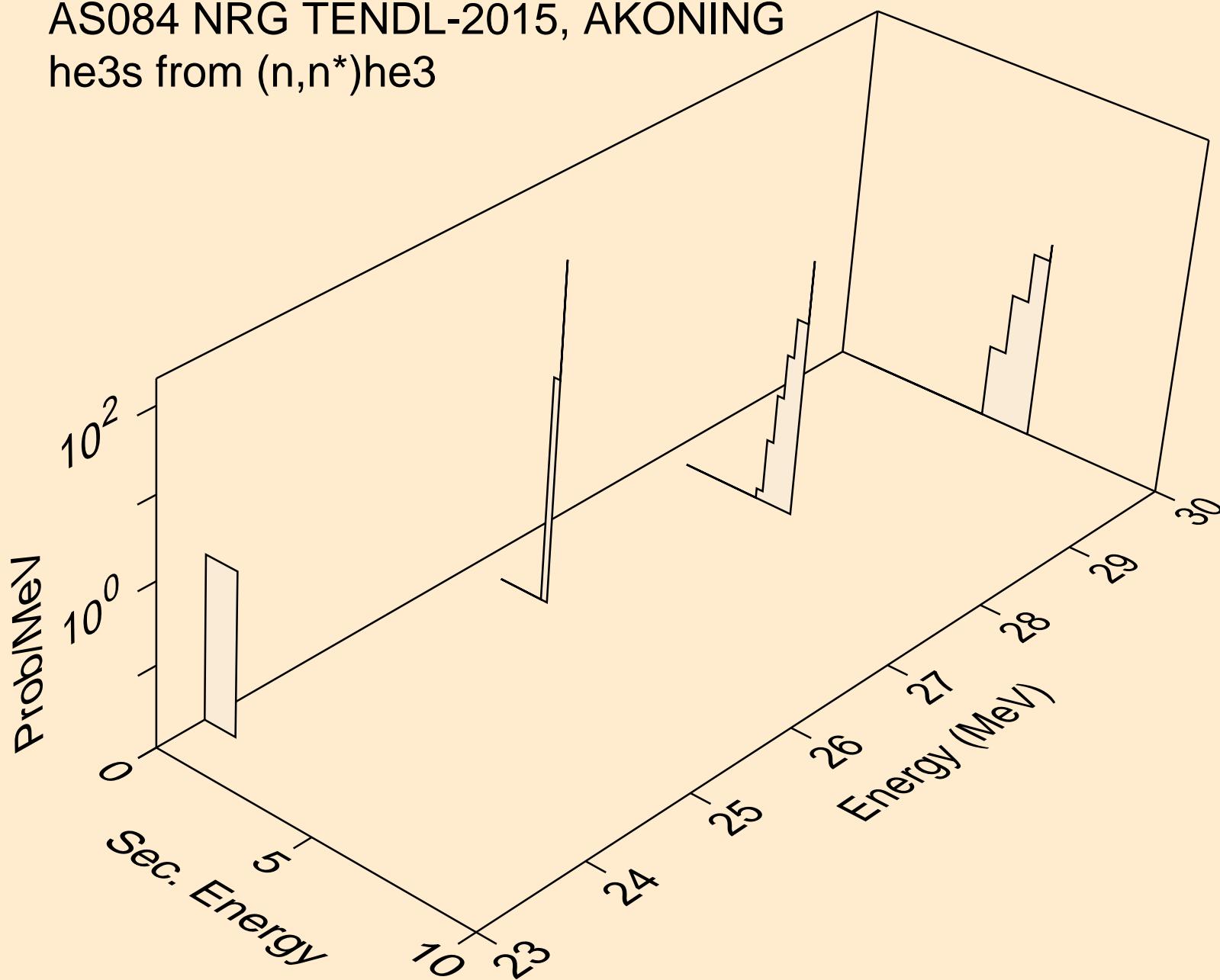
AS084 NRG TENDL-2015, AKONING  
tritons from ( $n, t$ )



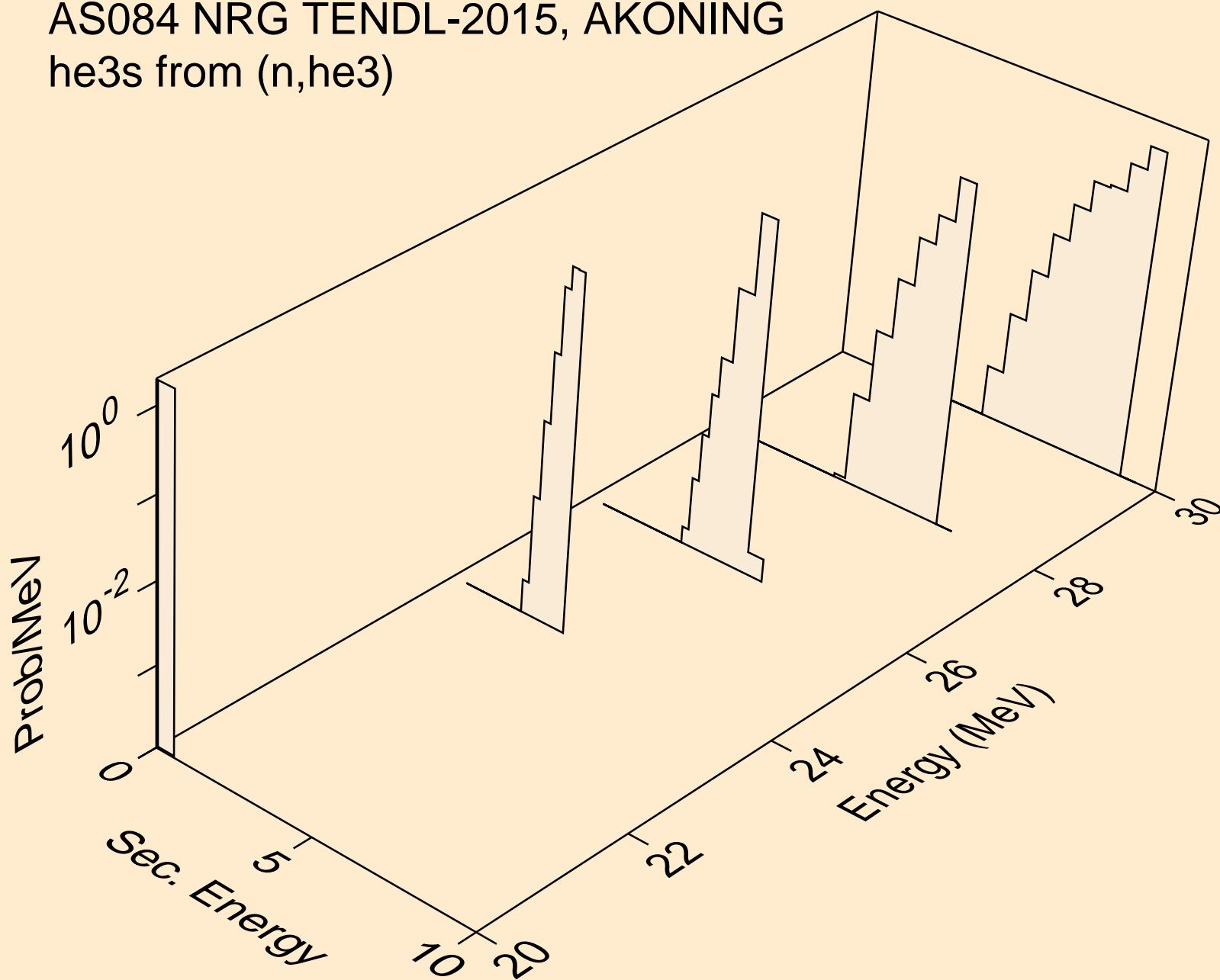
AS084 NRG TENDL-2015, AKONING  
he3s from (n,x)



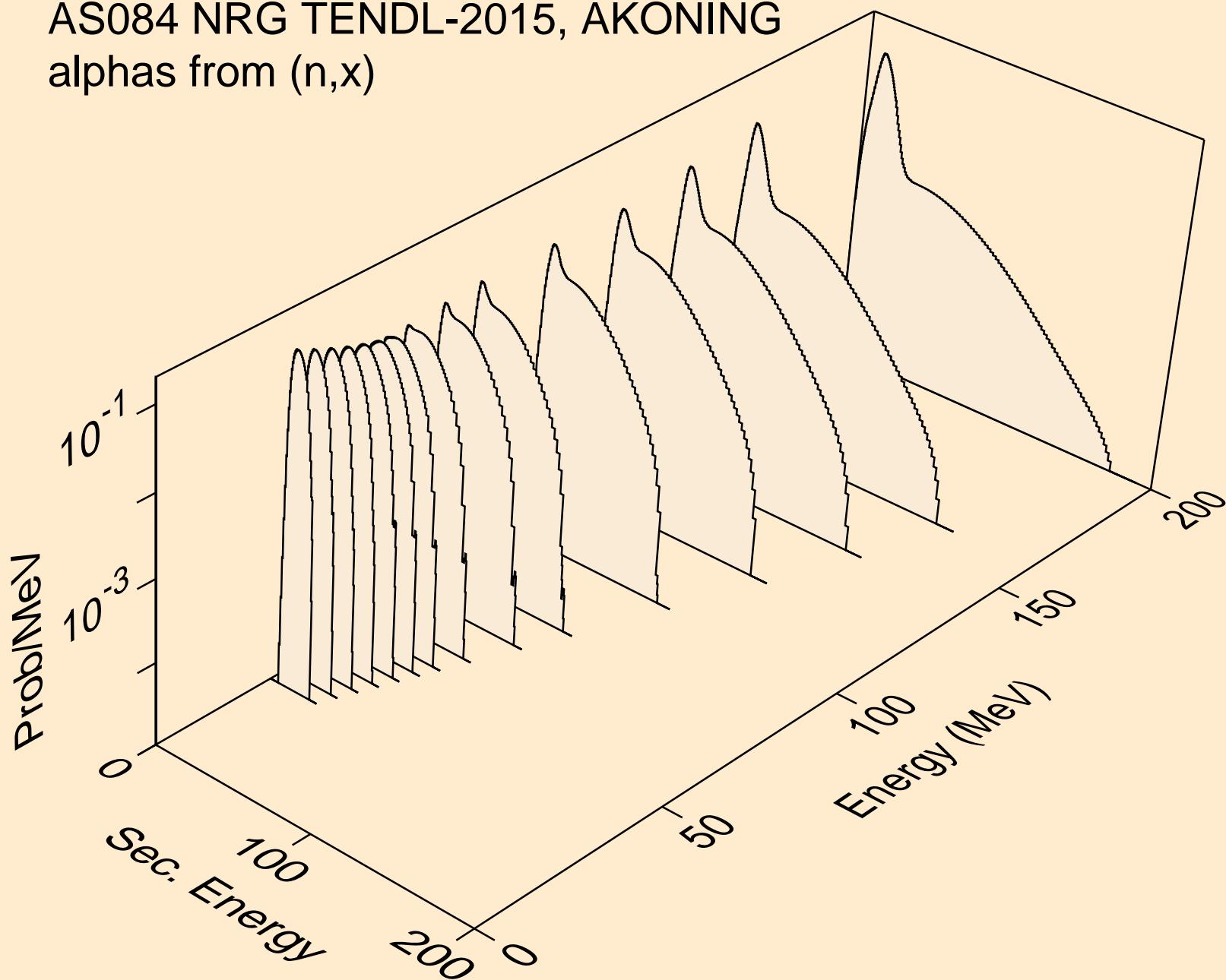
AS084 NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



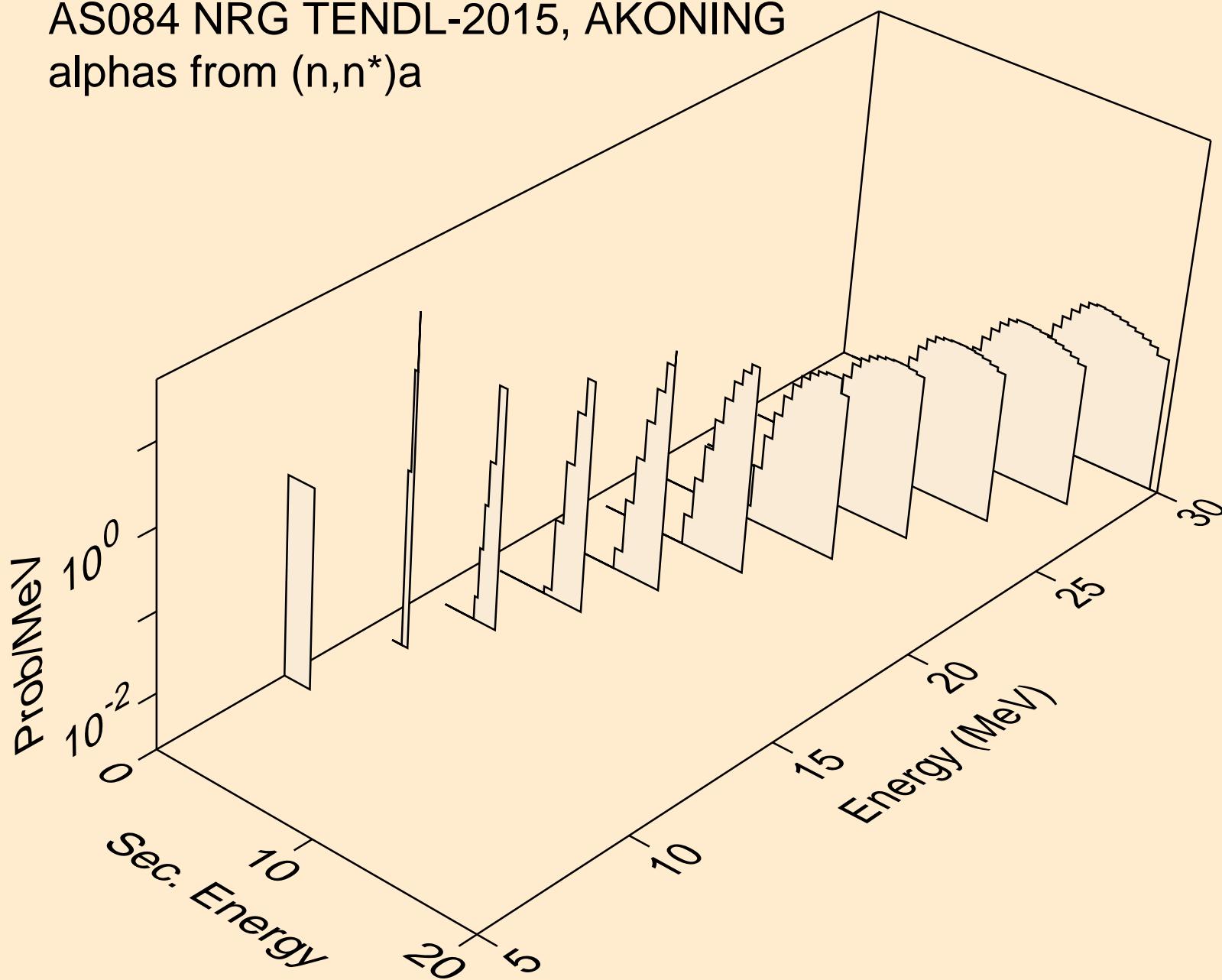
AS084 NRG TENDL-2015, AKONING  
he3s from (n,he3)



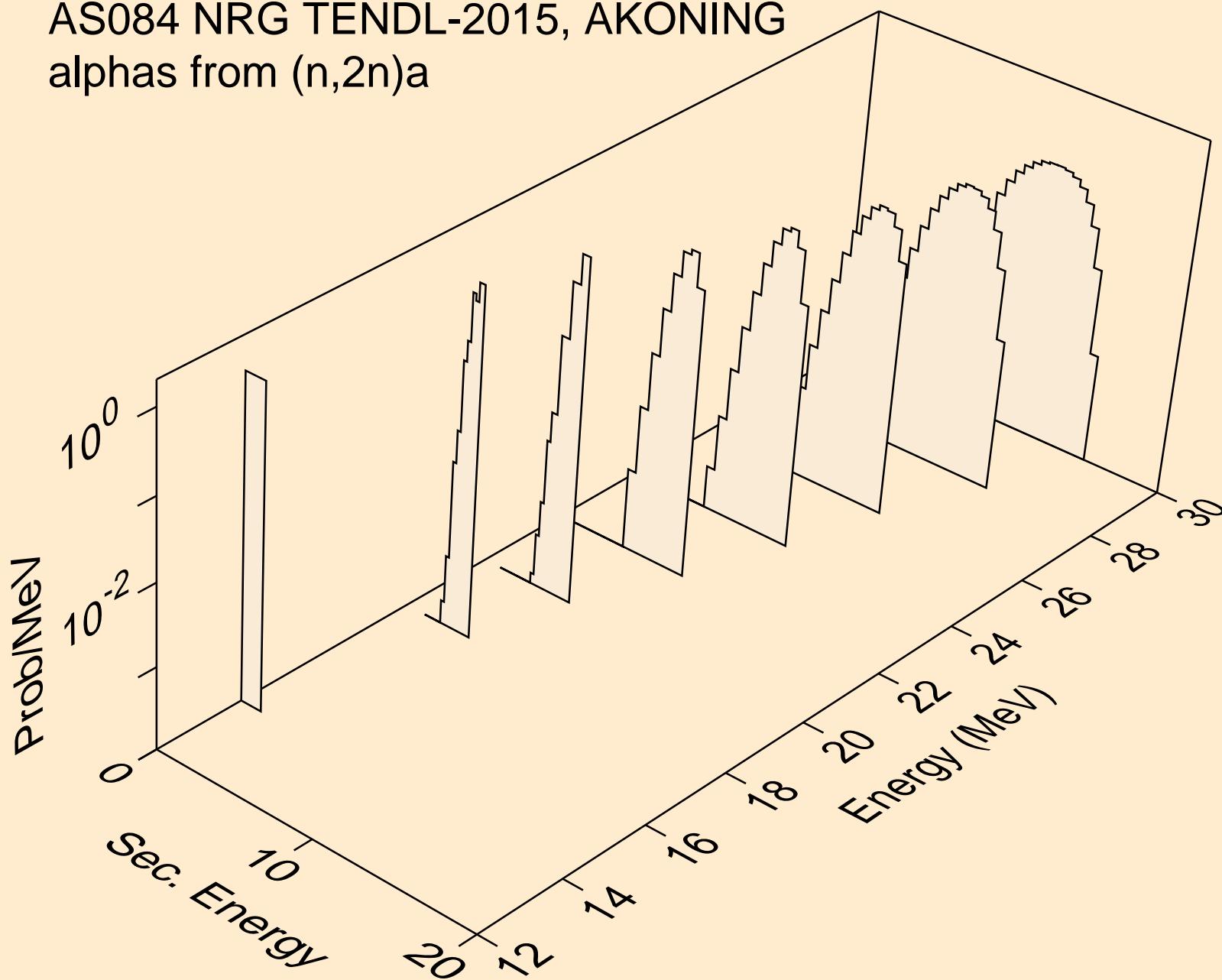
AS084 NRG TENDL-2015, AKONING  
alphas from (n,x)



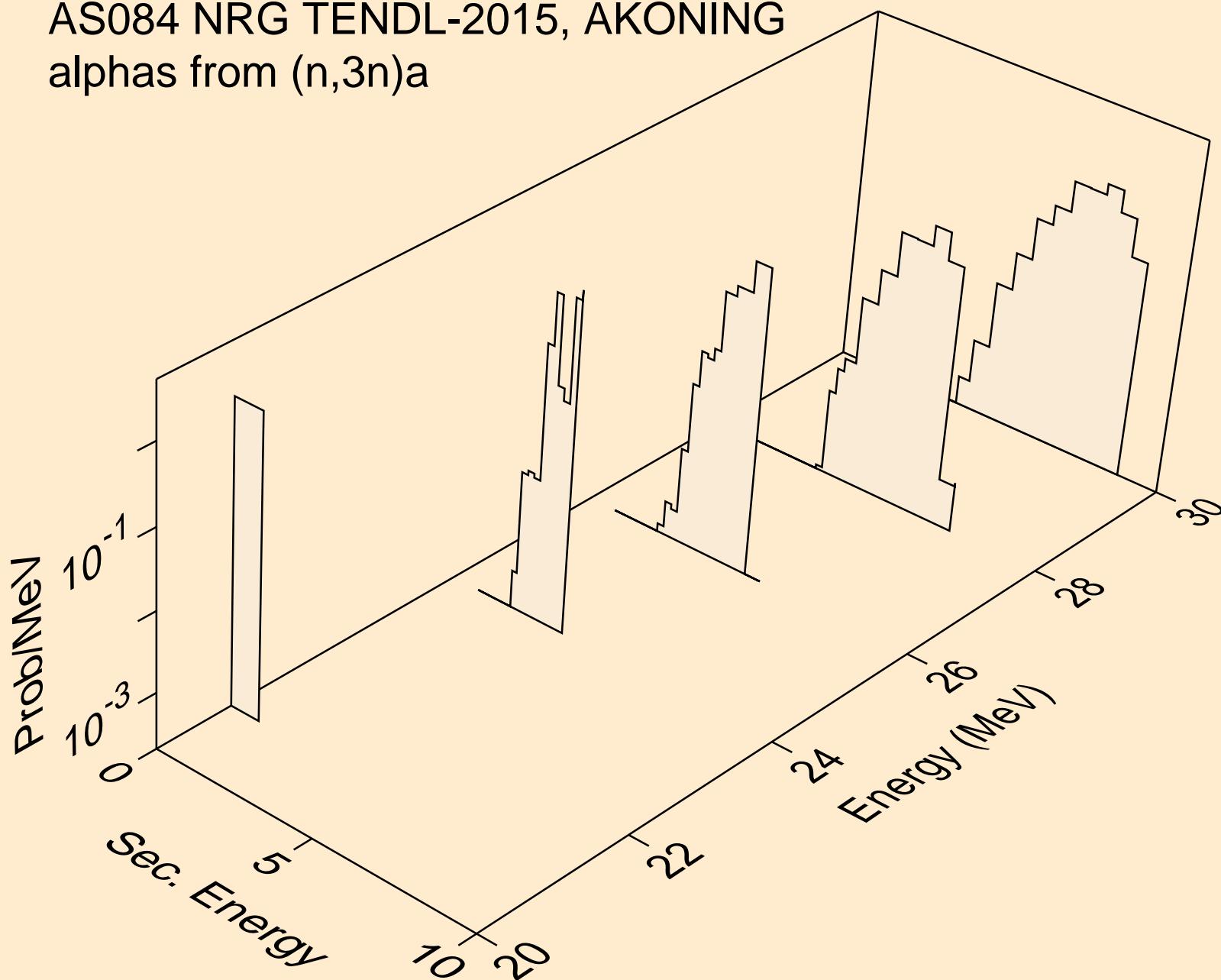
AS084 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)a$



AS084 NRG TENDL-2015, AKONING  
alphas from  $(n,2n)a$



AS084 NRG TENDL-2015, AKONING  
alphas from  $(n,3n)a$



AS084 NRG TENDL-2015, AKONING  
alphas from (n,a)

