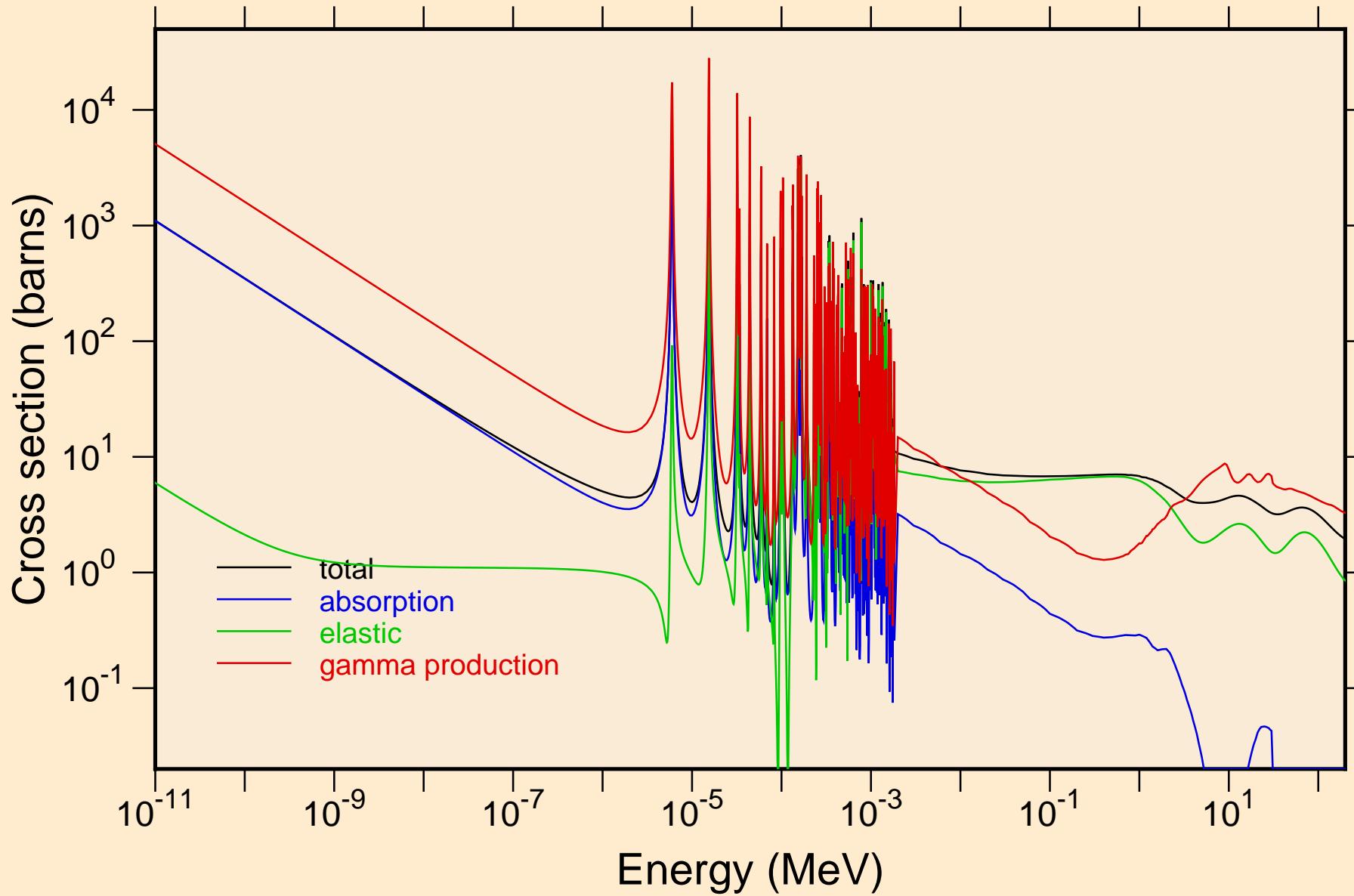
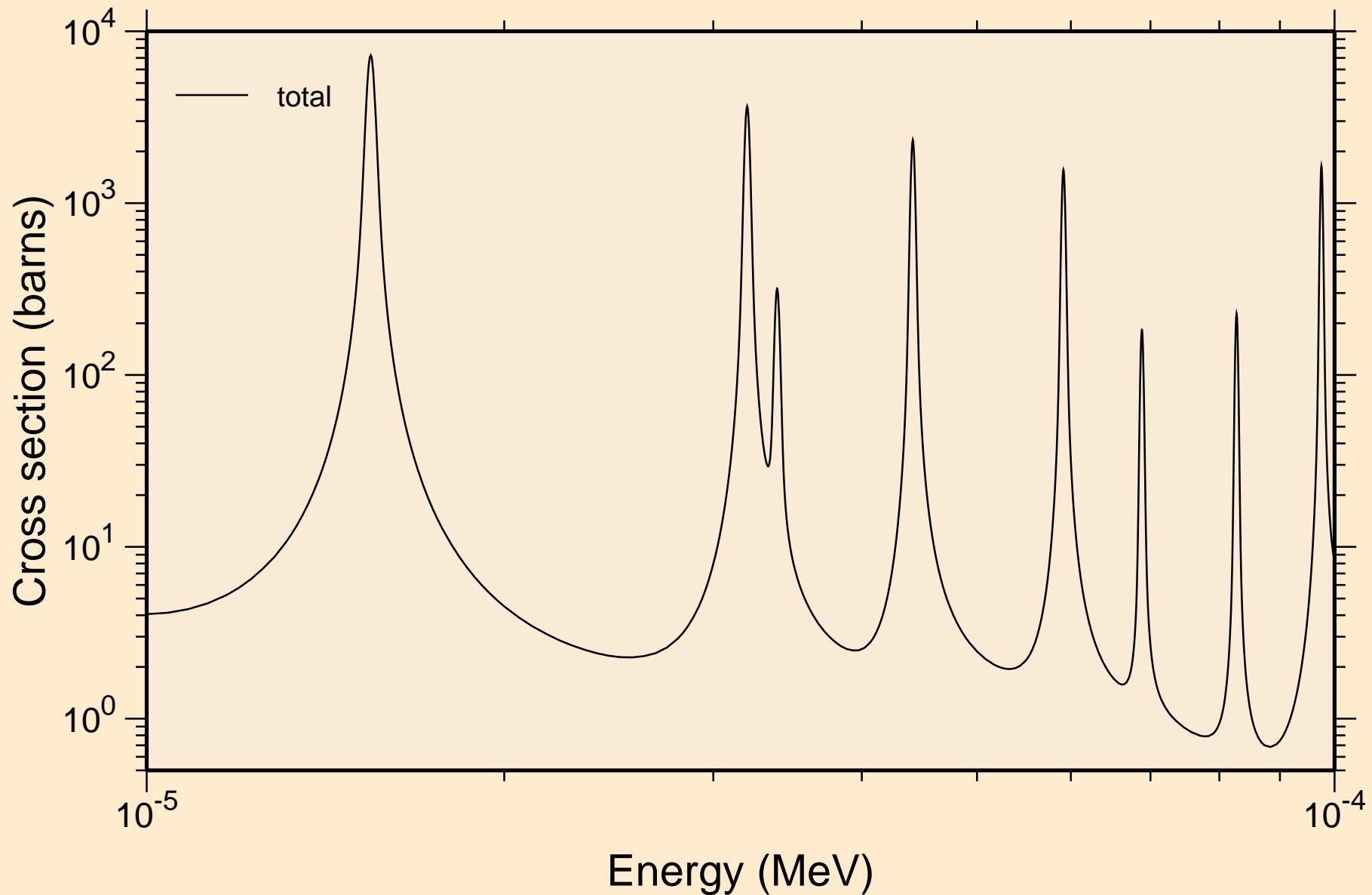


# IN117 NRG TENDL-2015, AKONING

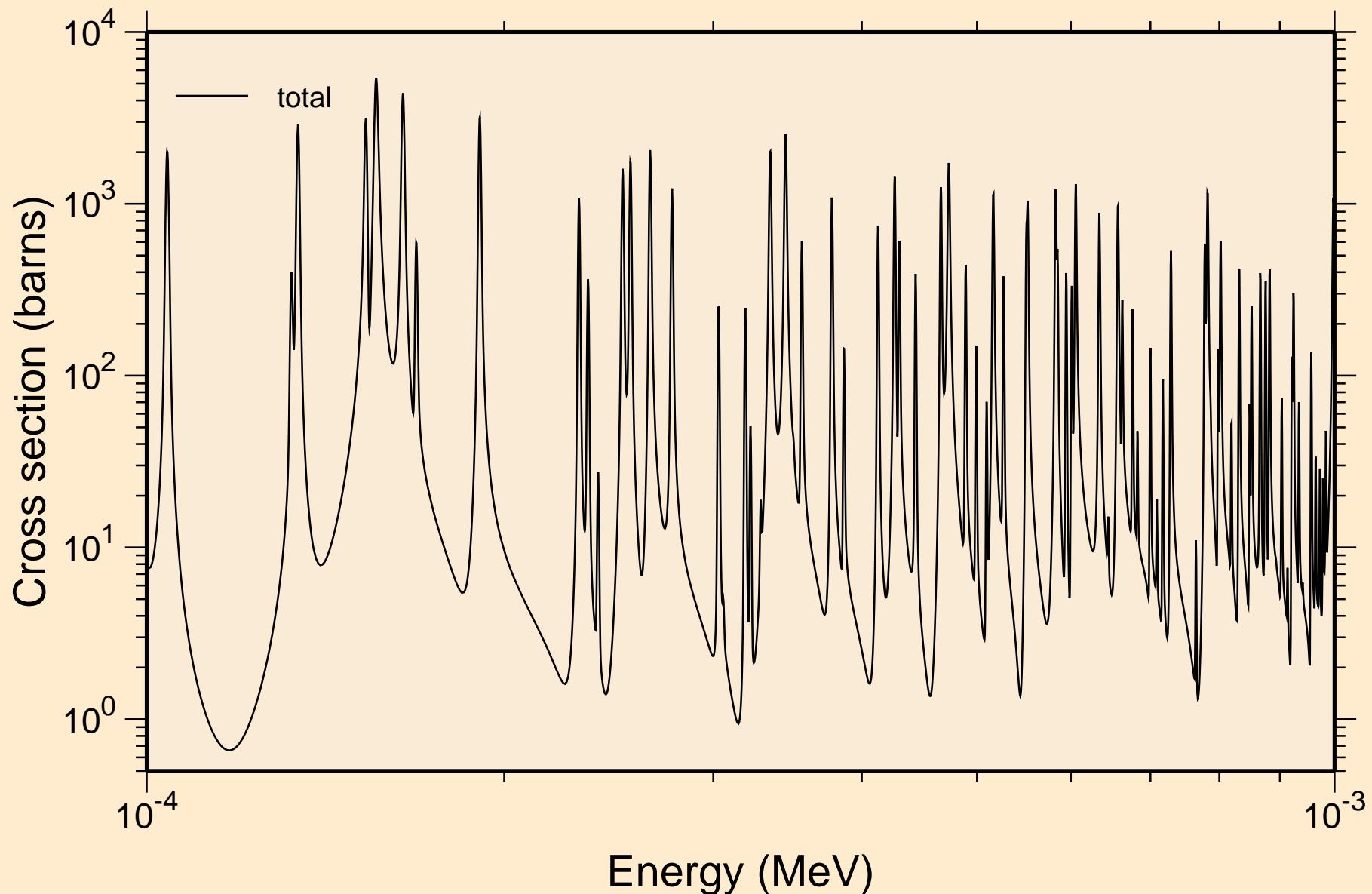
## Principal cross sections



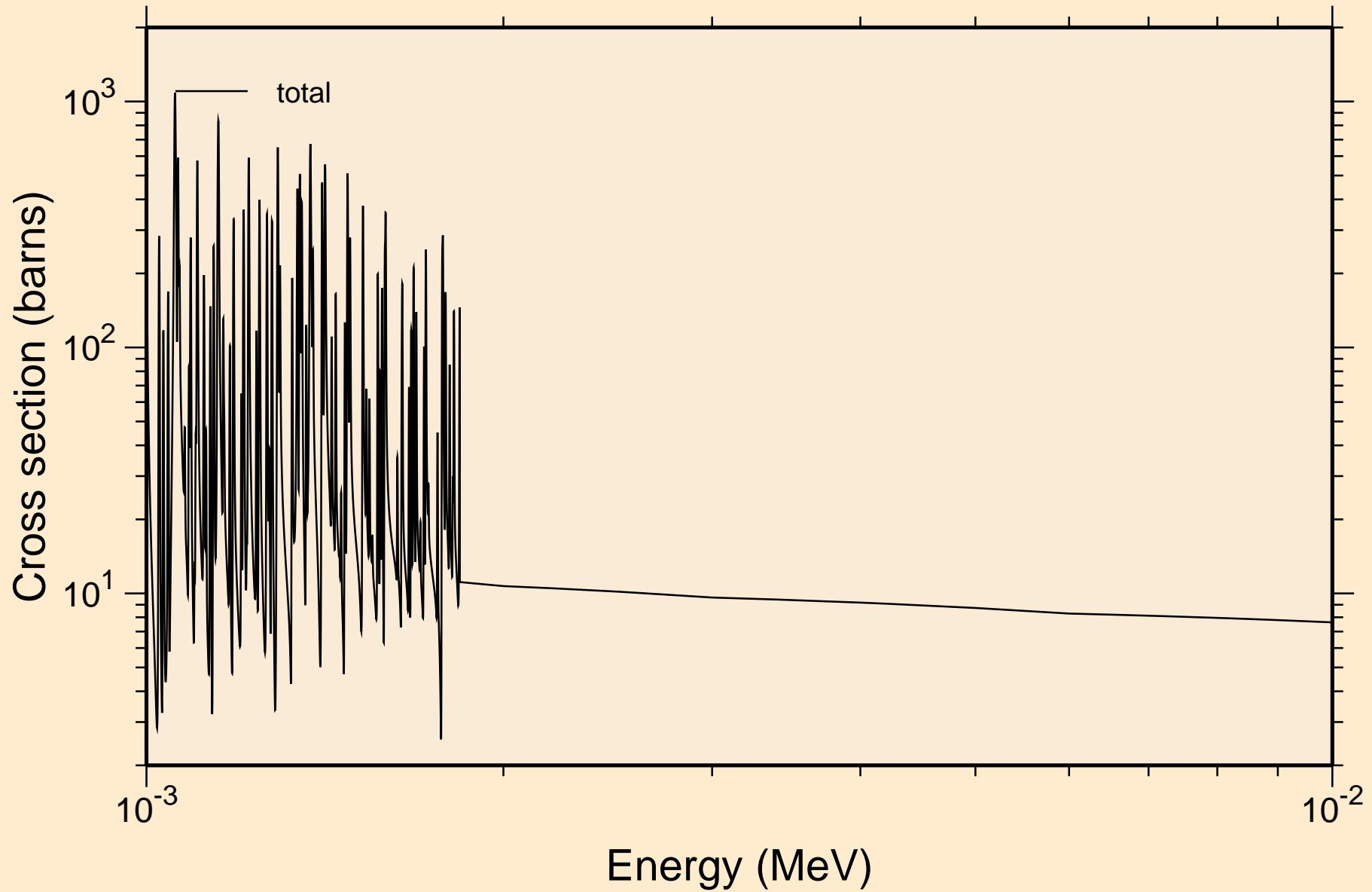
IN117 NRG TENDL-2015, AKONING  
resonance total cross section



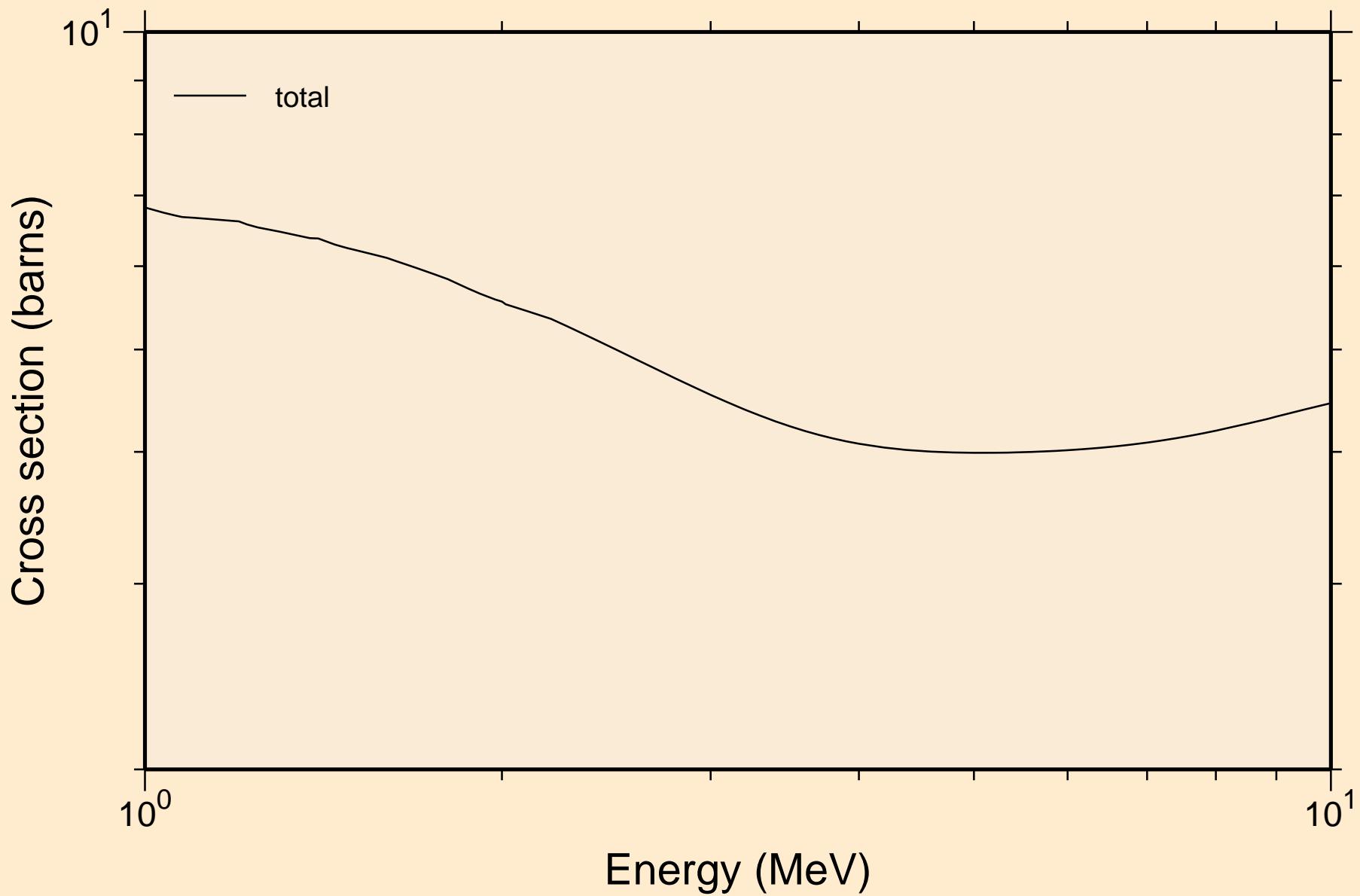
IN117 NRG TENDL-2015, AKONING  
resonance total cross section



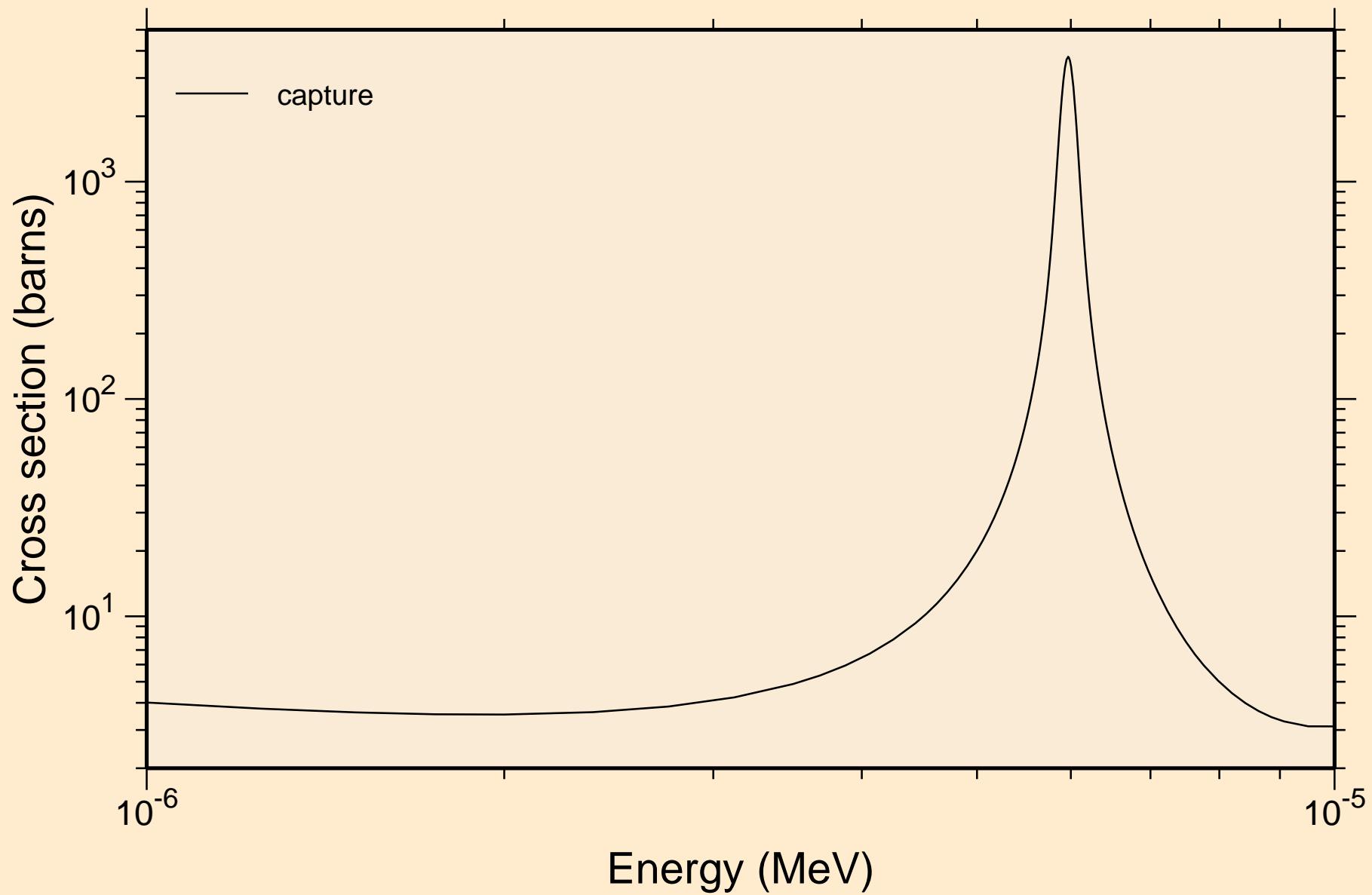
IN117 NRG TENDL-2015, AKONING  
resonance total cross section



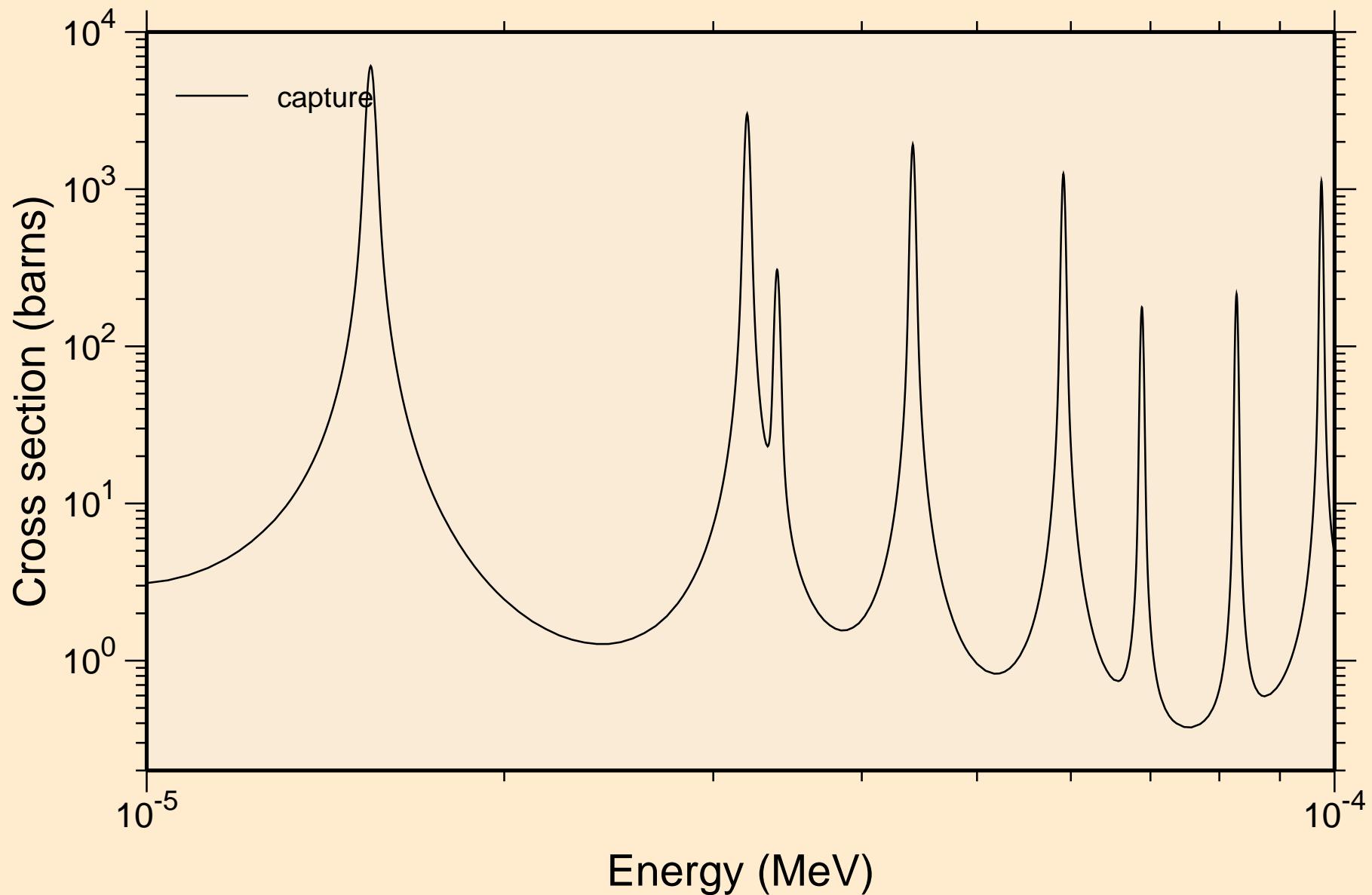
IN117 NRG TENDL-2015, AKONING  
resonance total cross section



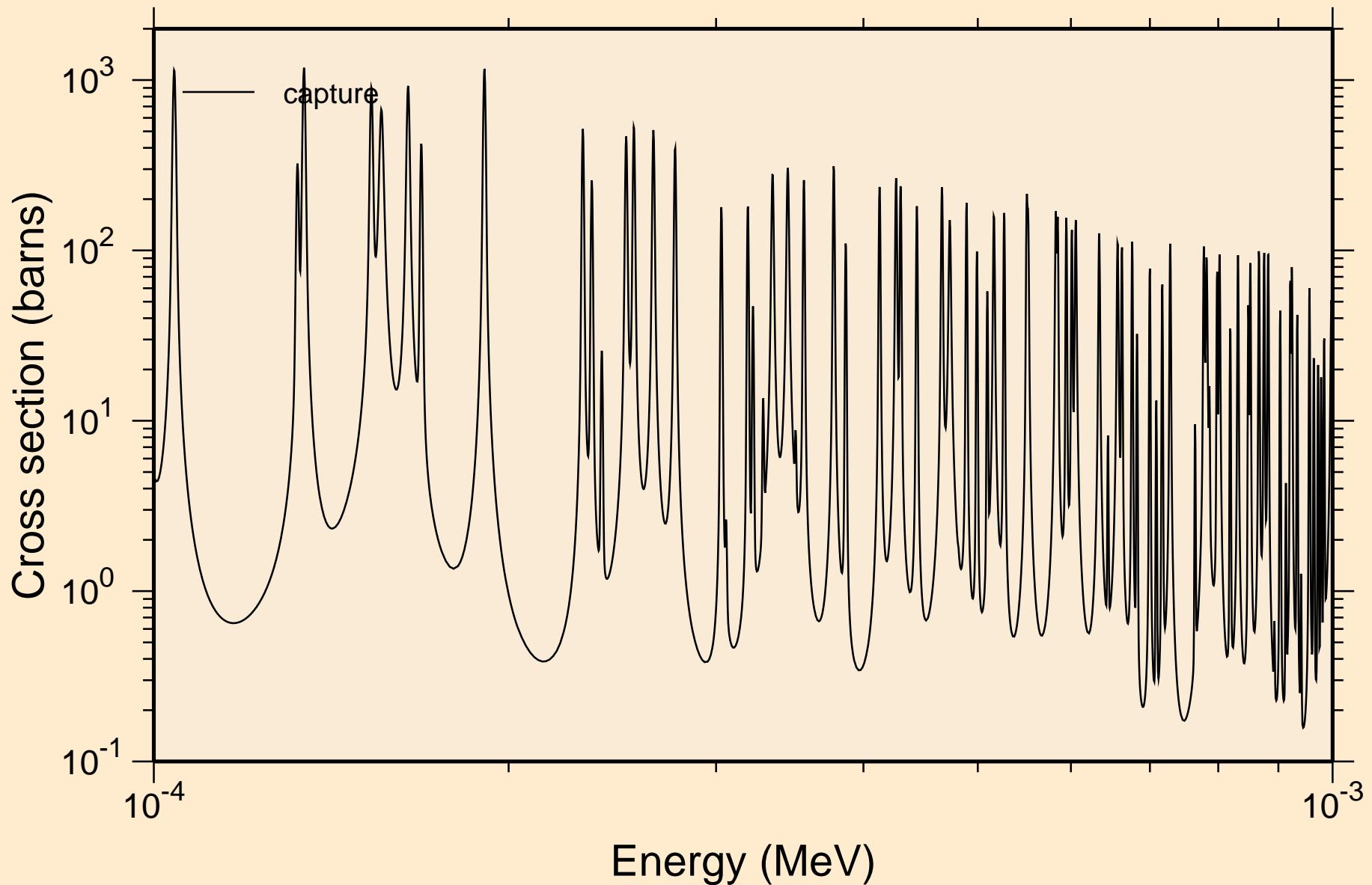
IN117 NRG TENDL-2015, AKONING  
resonance absorption cross sections



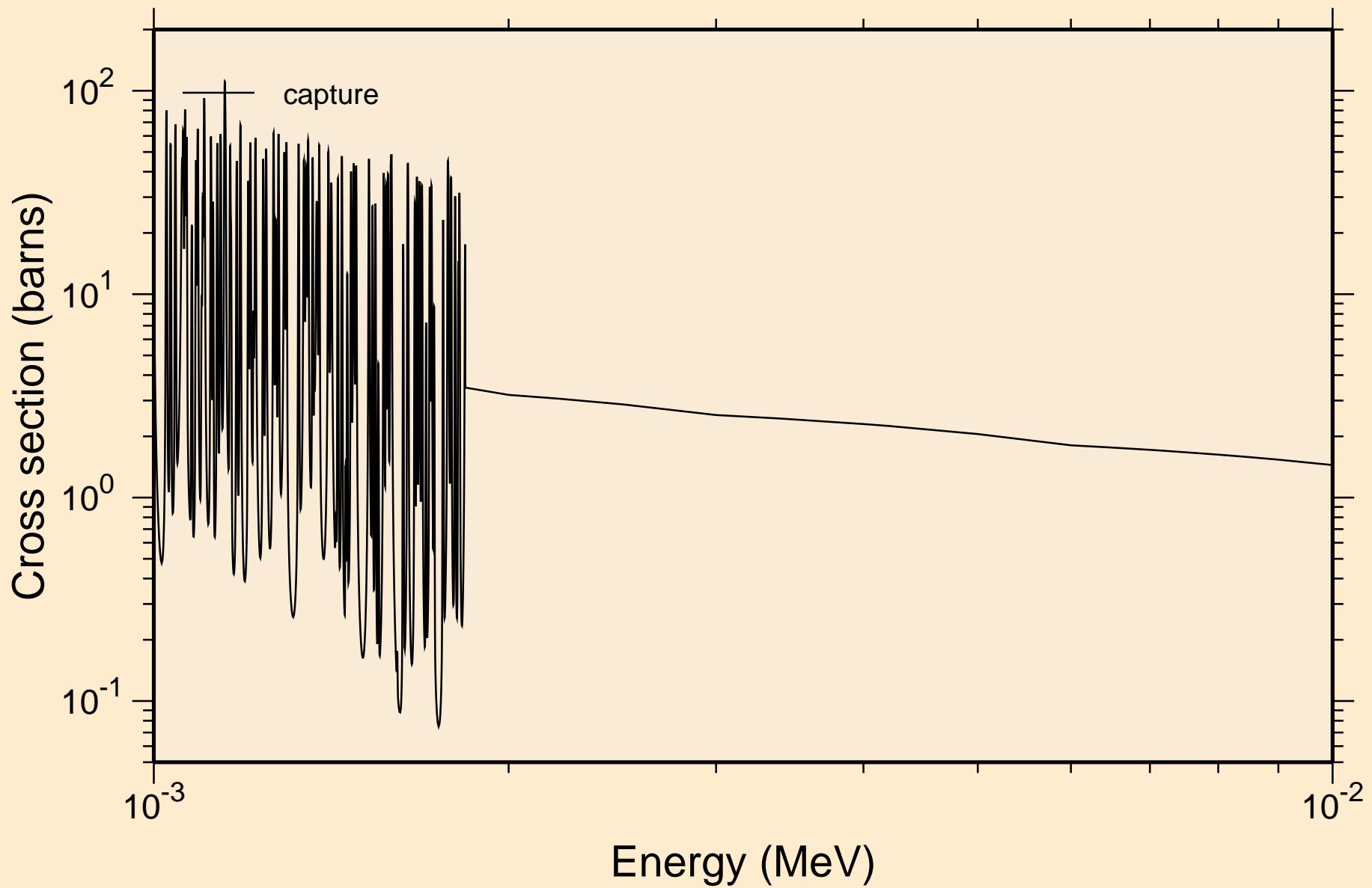
IN117 NRG TENDL-2015, AKONING  
resonance absorption cross sections



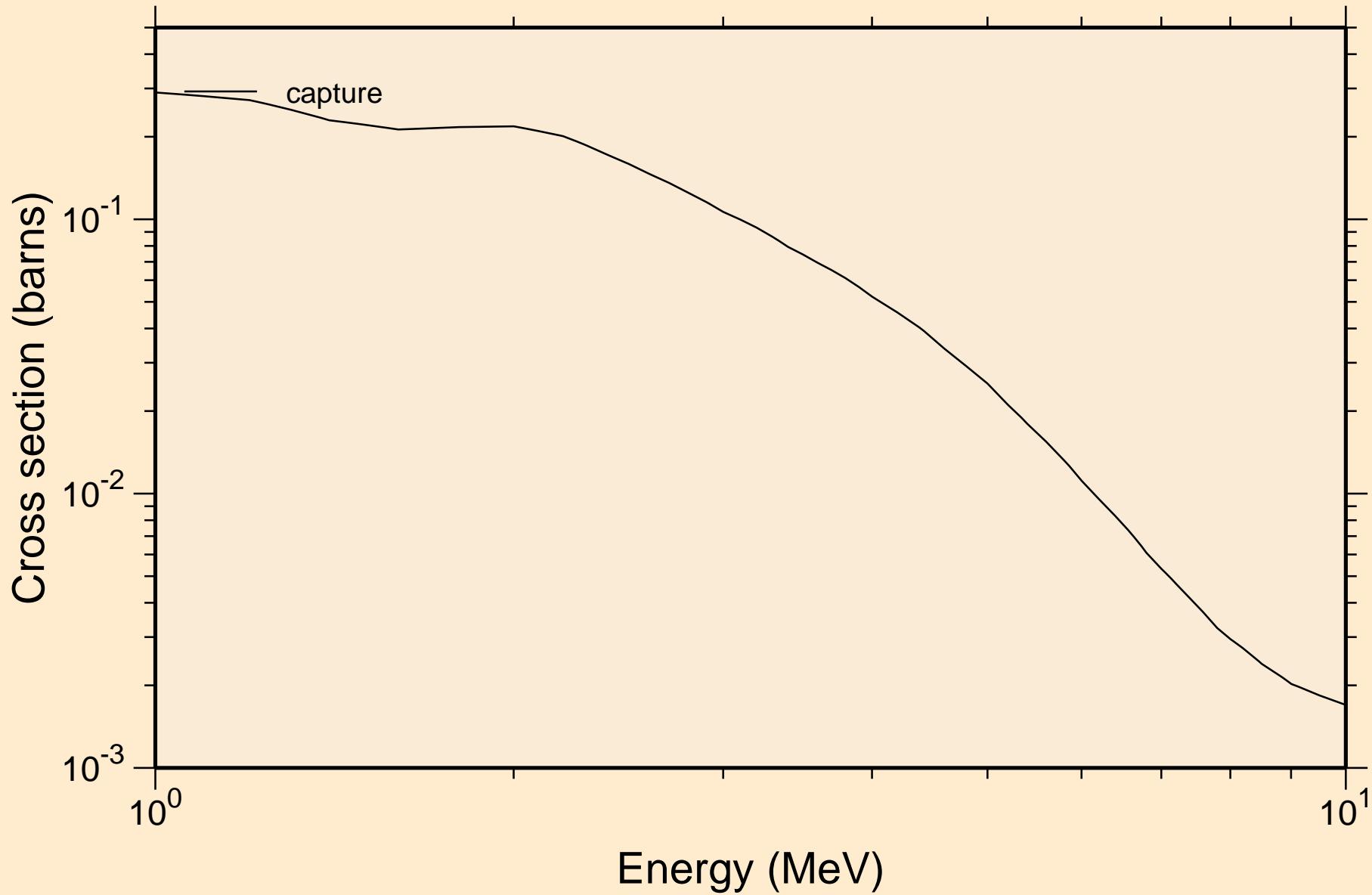
IN117 NRG TENDL-2015, AKONING  
resonance absorption cross sections



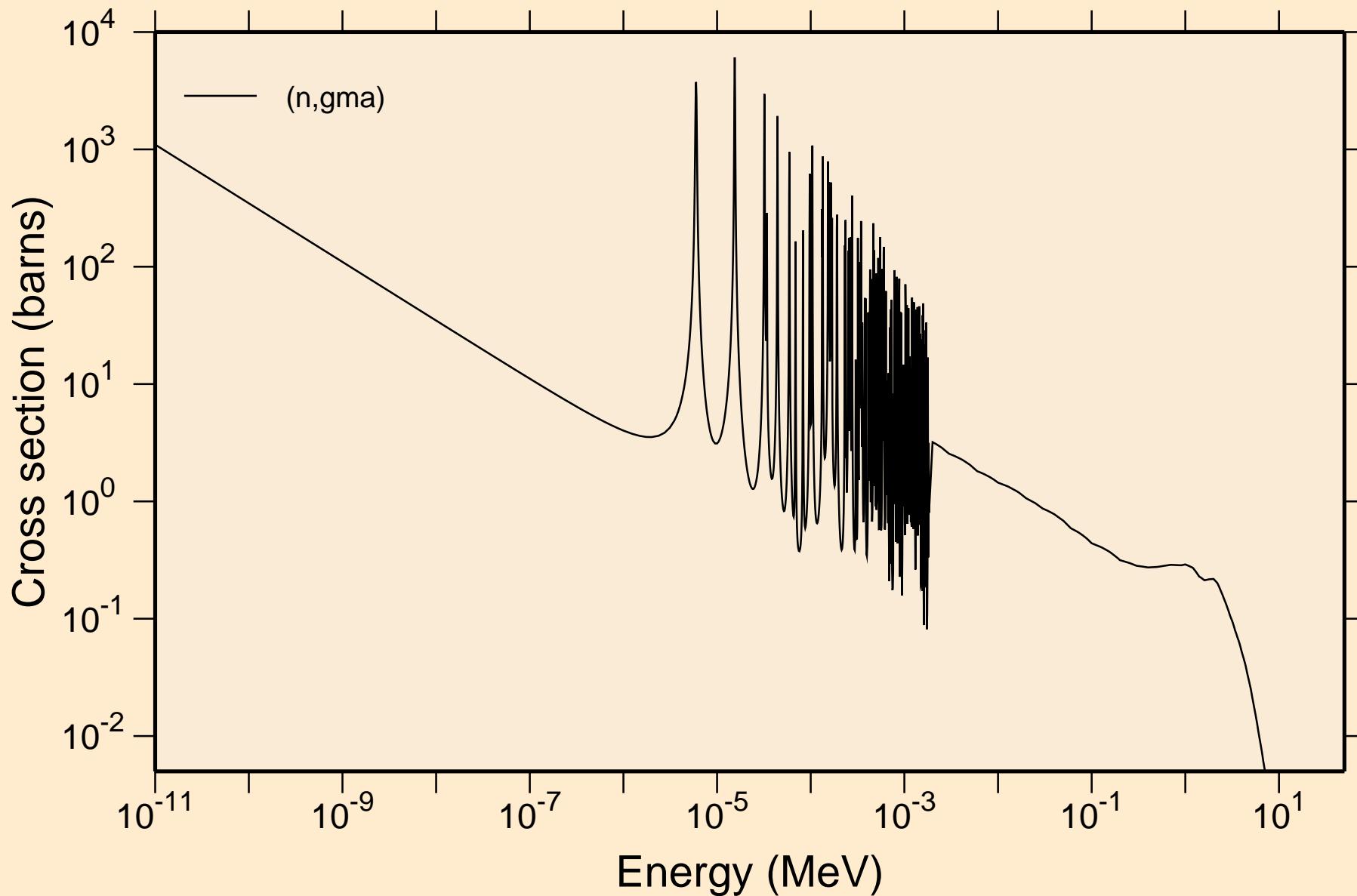
IN117 NRG TENDL-2015, AKONING  
resonance absorption cross sections



IN117 NRG TENDL-2015, AKONING  
resonance absorption cross sections

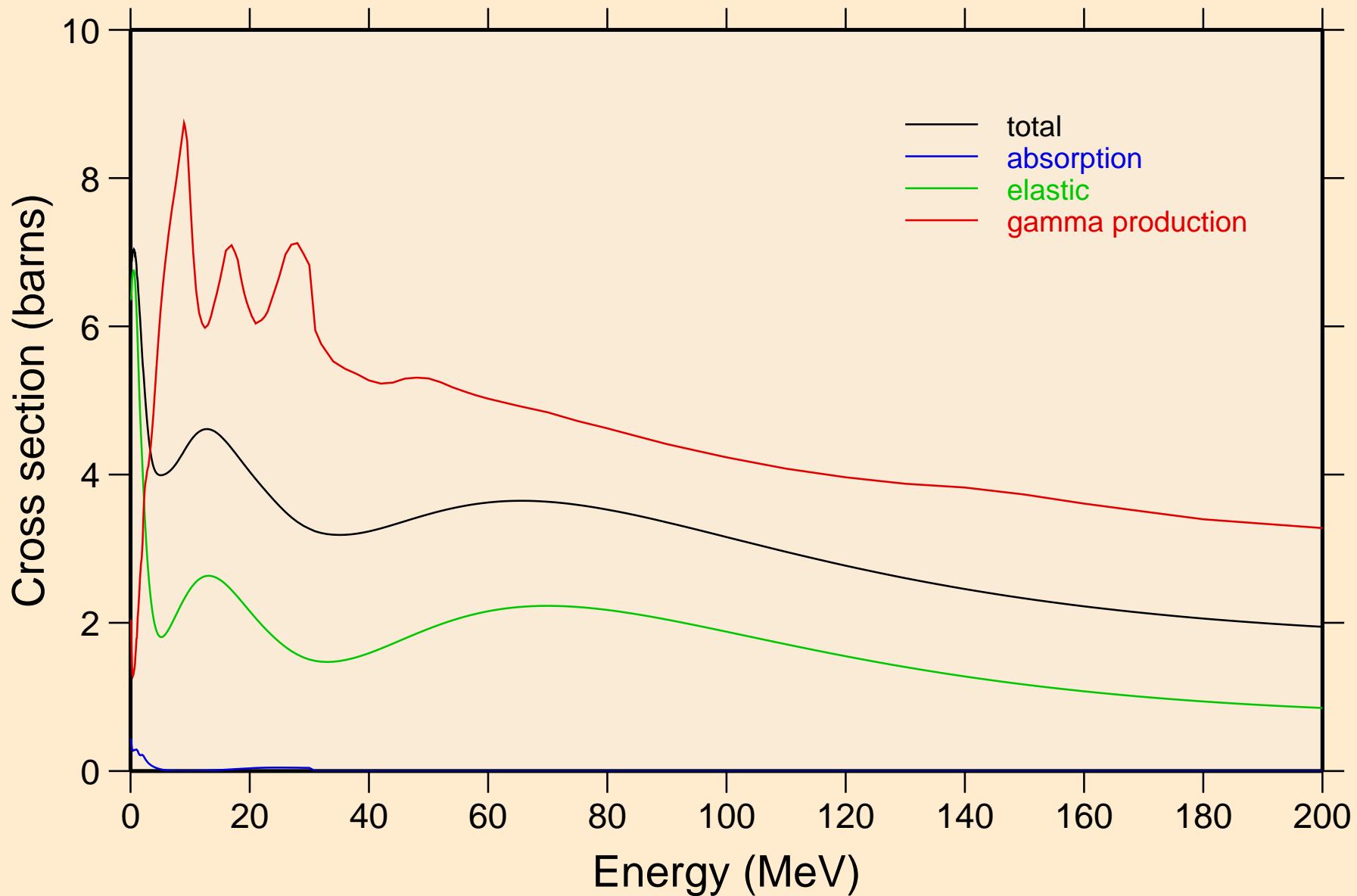


IN117 NRG TENDL-2015, AKONING  
Non-threshold reactions

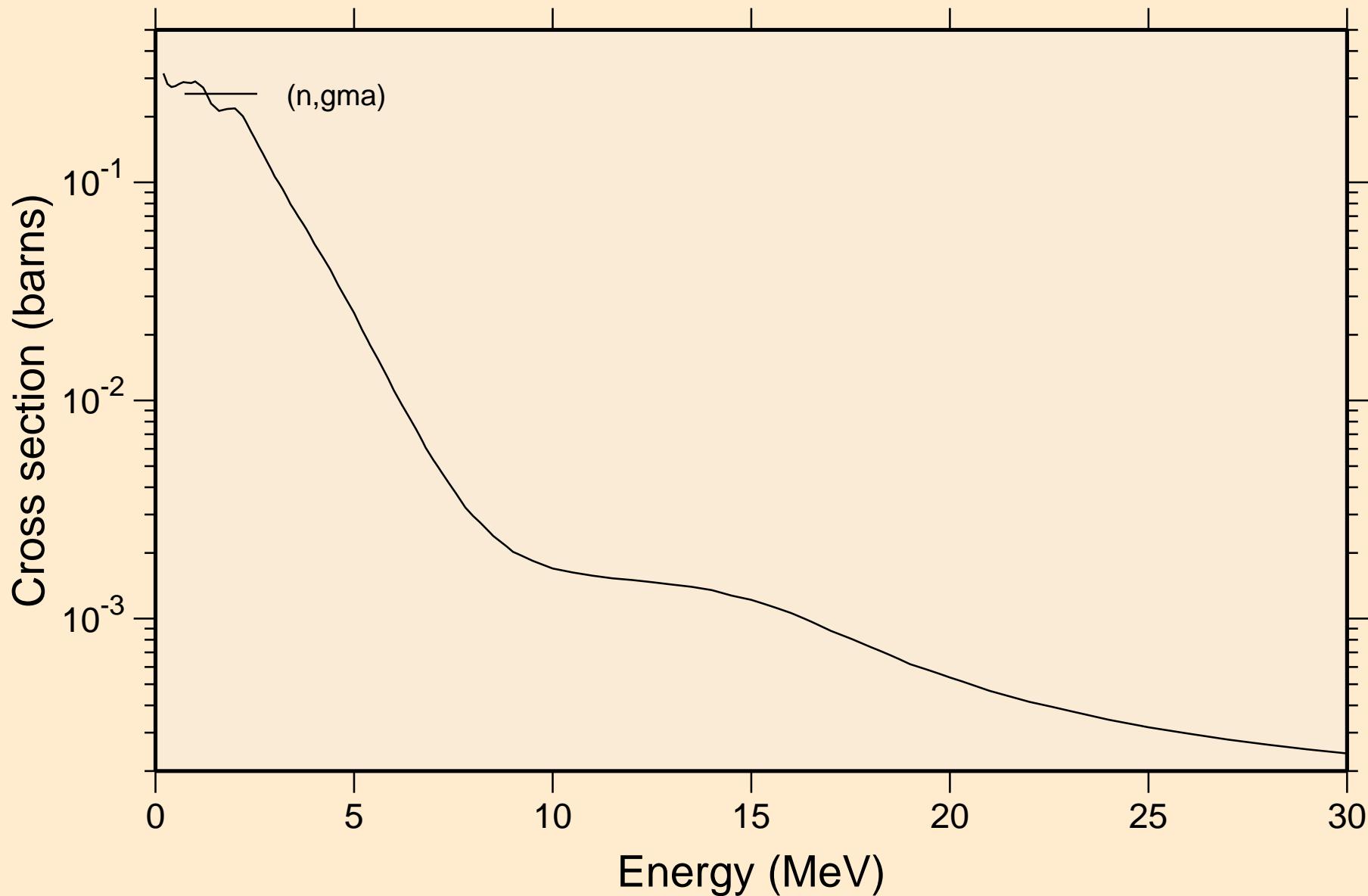


# IN117 NRG TENDL-2015, AKONING

## Principal cross sections

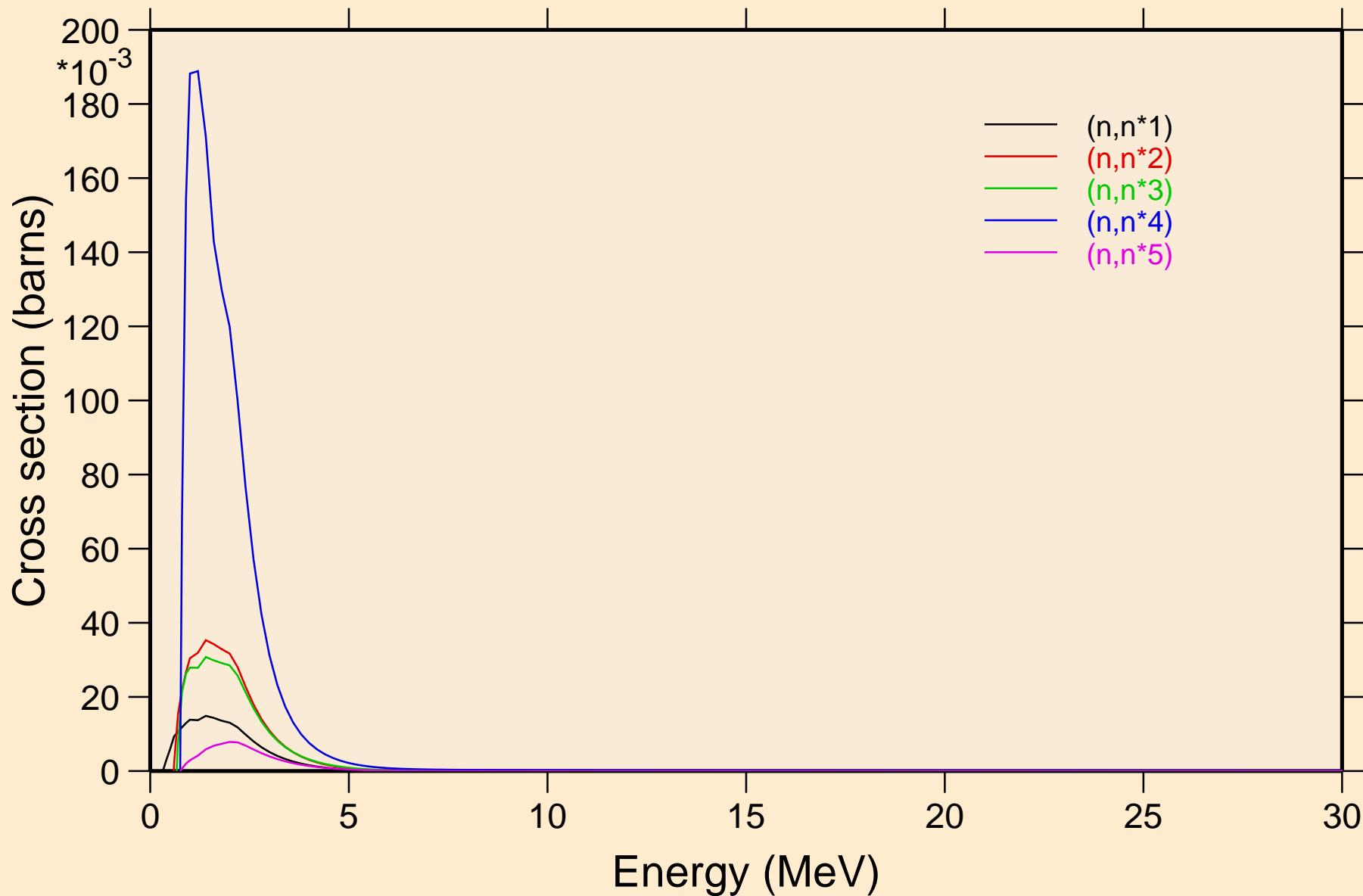


IN117 NRG TENDL-2015, AKONING  
Non-threshold reactions



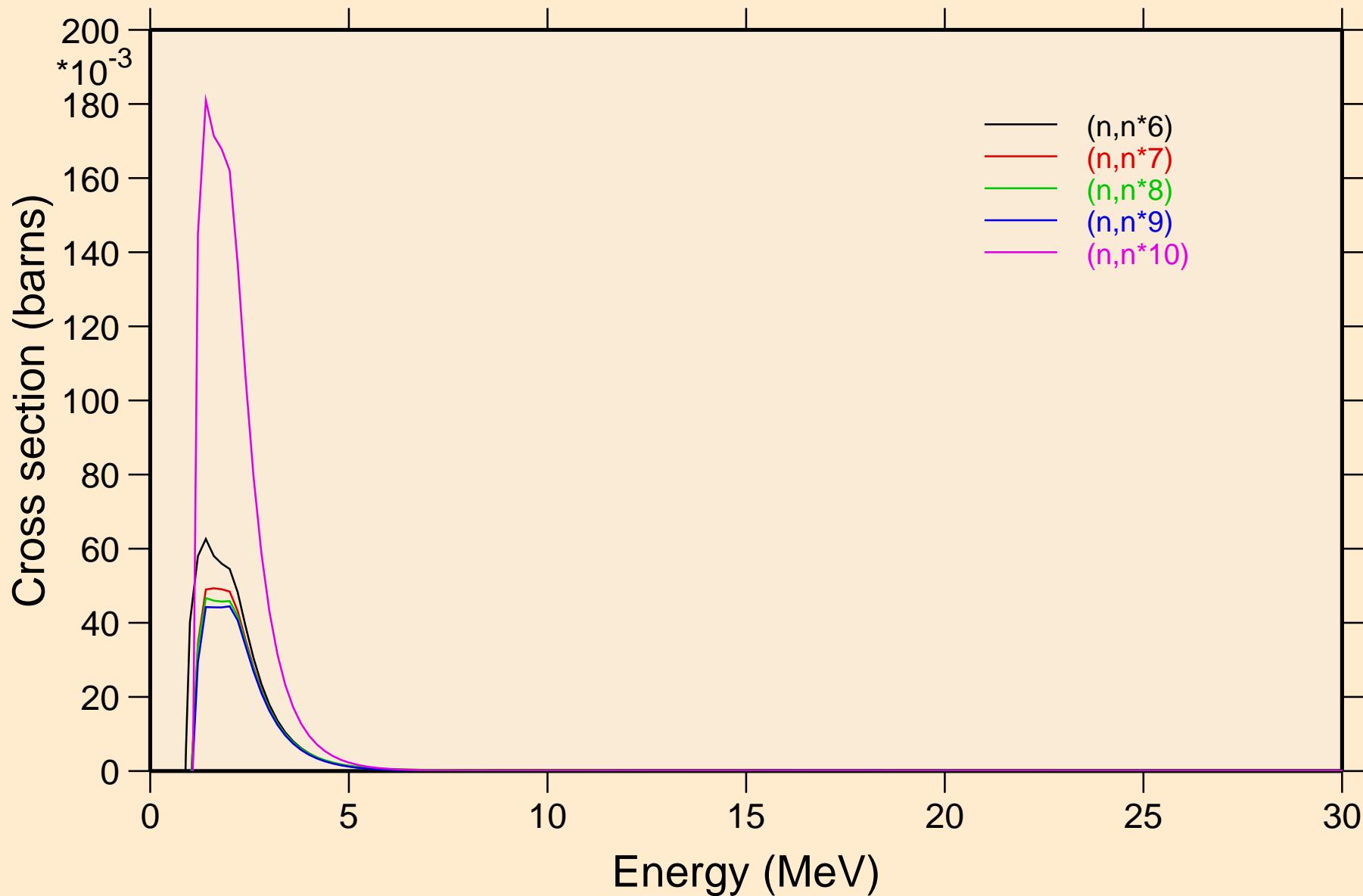
# IN117 NRG TENDL-2015, AKONING

## Inelastic levels



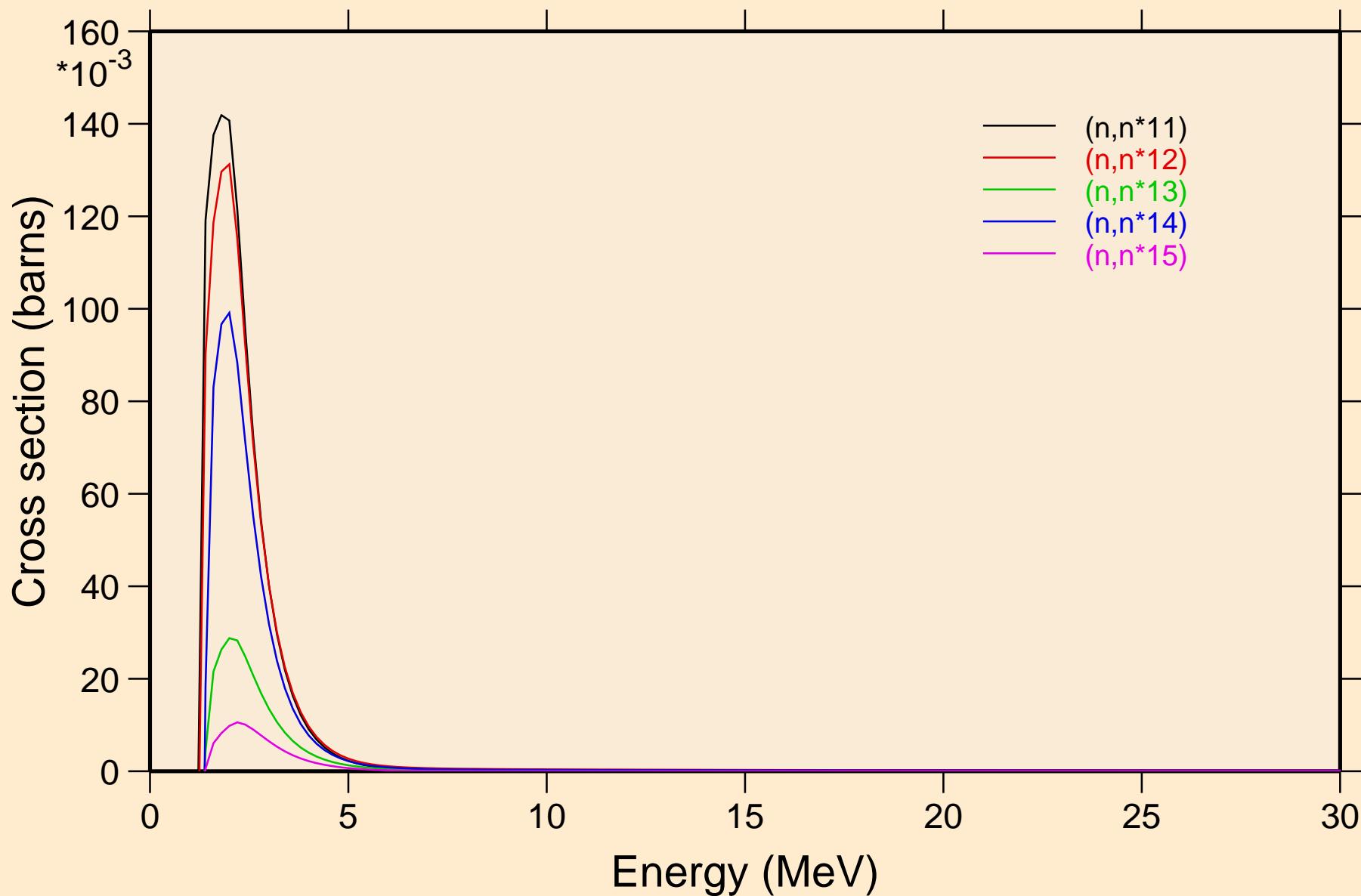
# IN117 NRG TENDL-2015, AKONING

## Inelastic levels



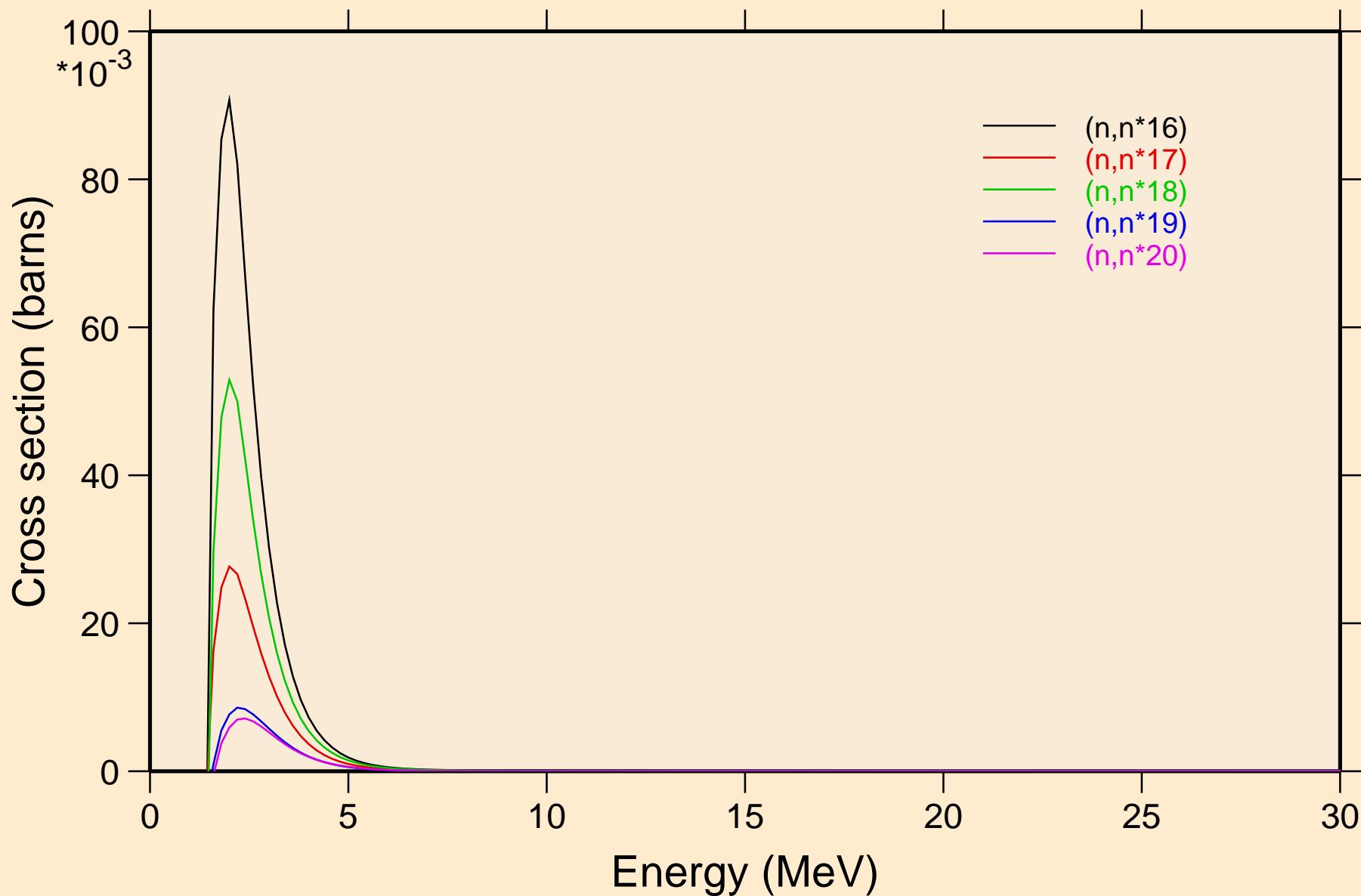
# IN117 NRG TENDL-2015, AKONING

## Inelastic levels



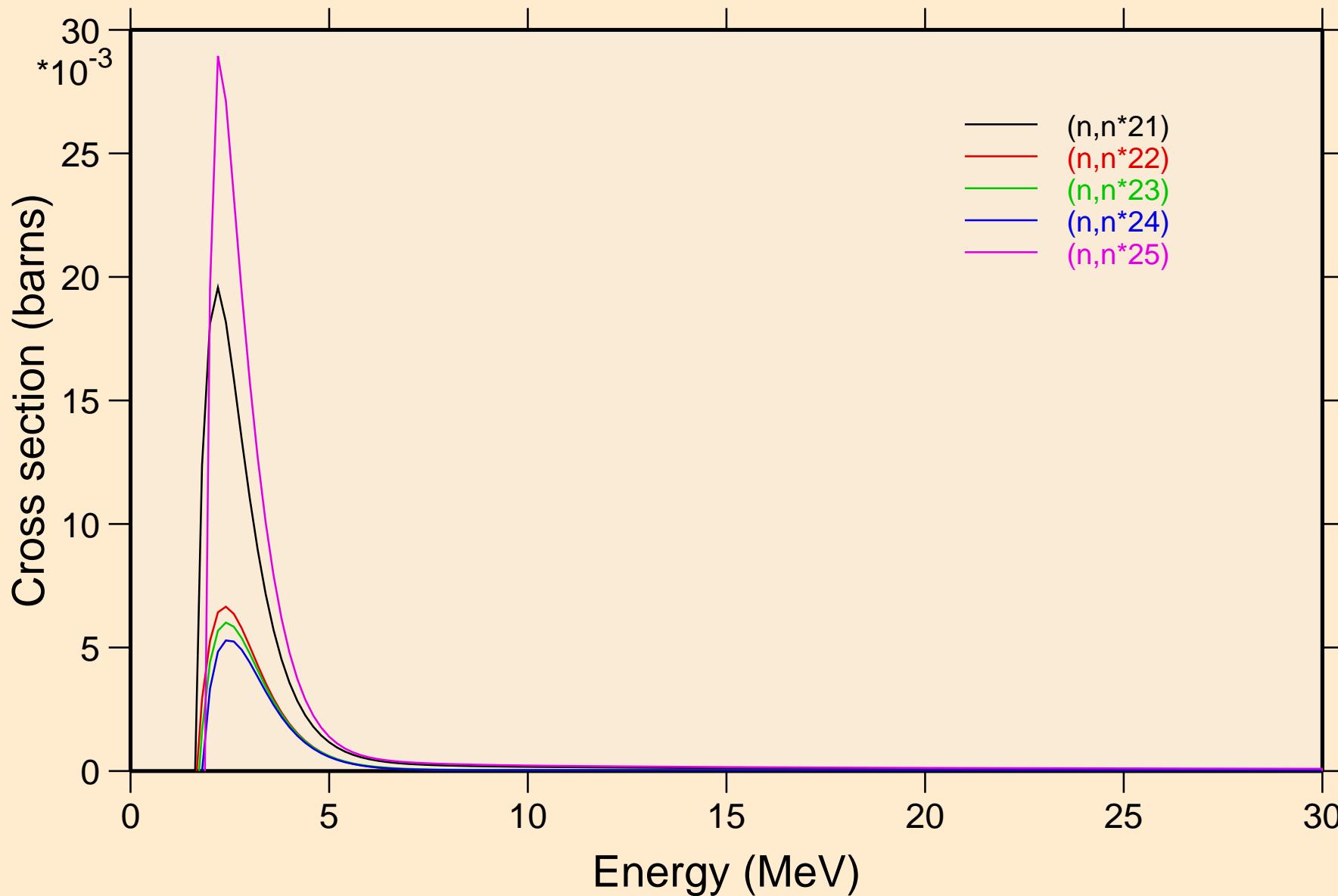
# IN117 NRG TENDL-2015, AKONING

## Inelastic levels



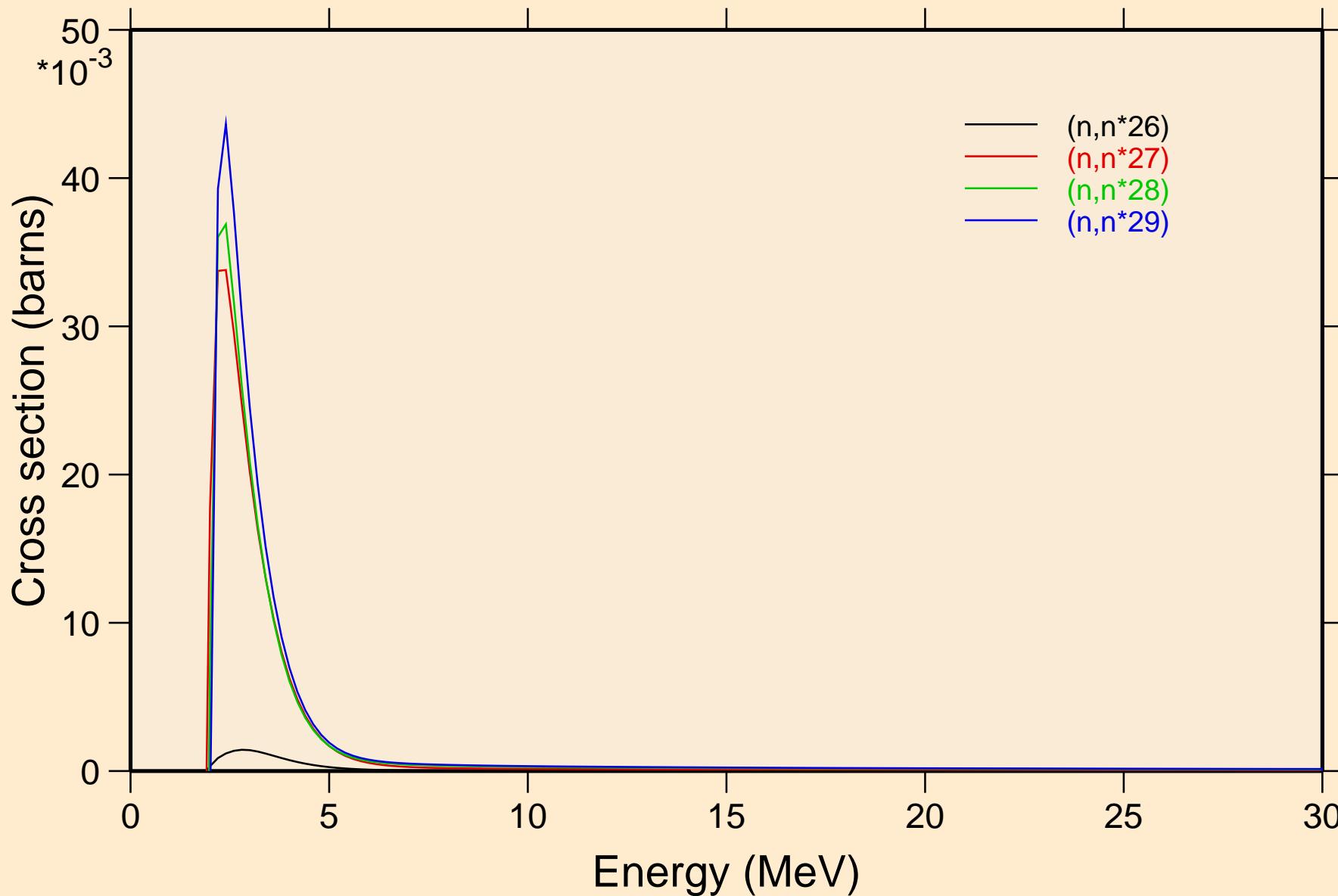
# IN117 NRG TENDL-2015, AKONING

## Inelastic levels



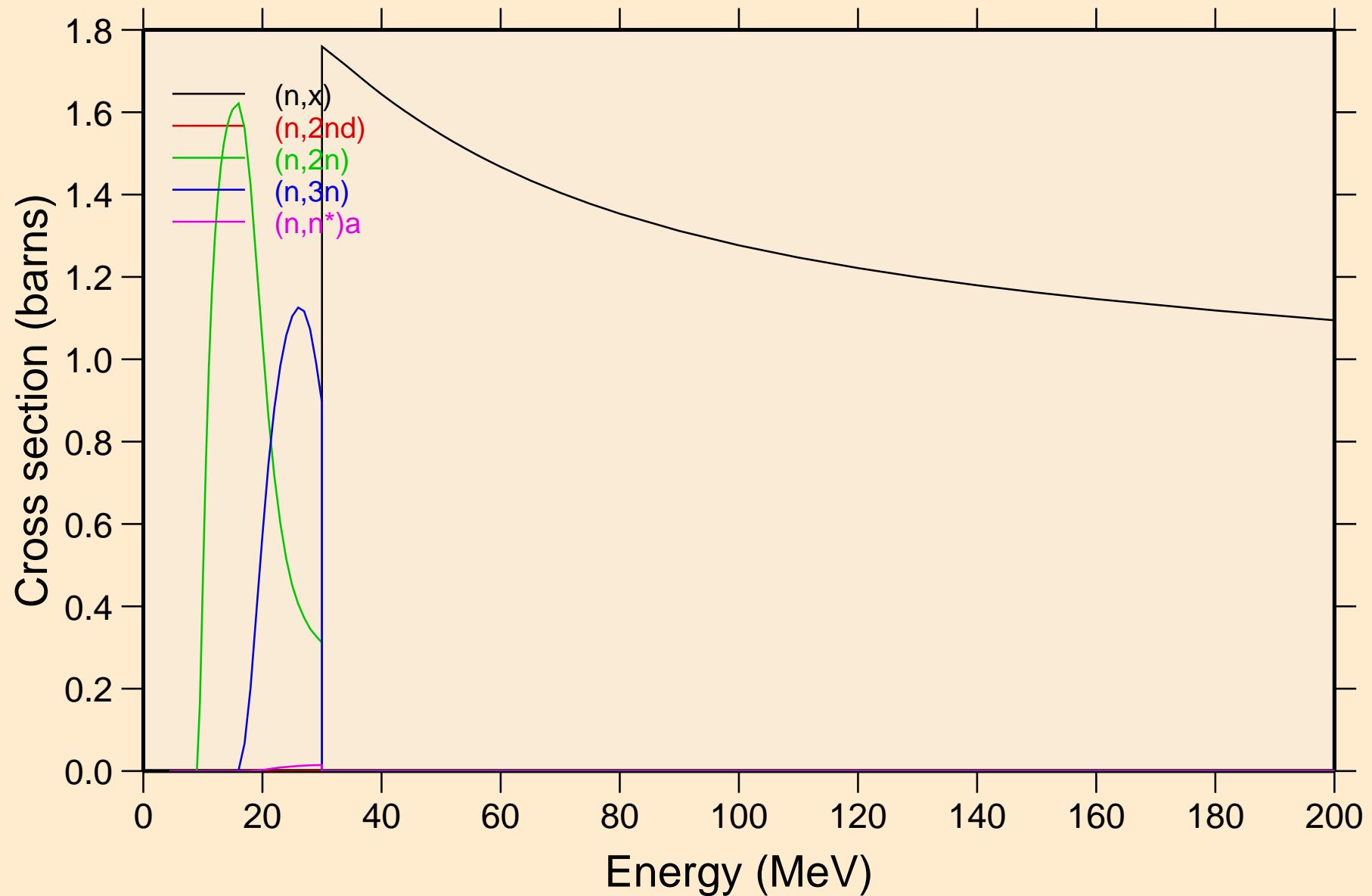
# IN117 NRG TENDL-2015, AKONING

## Inelastic levels



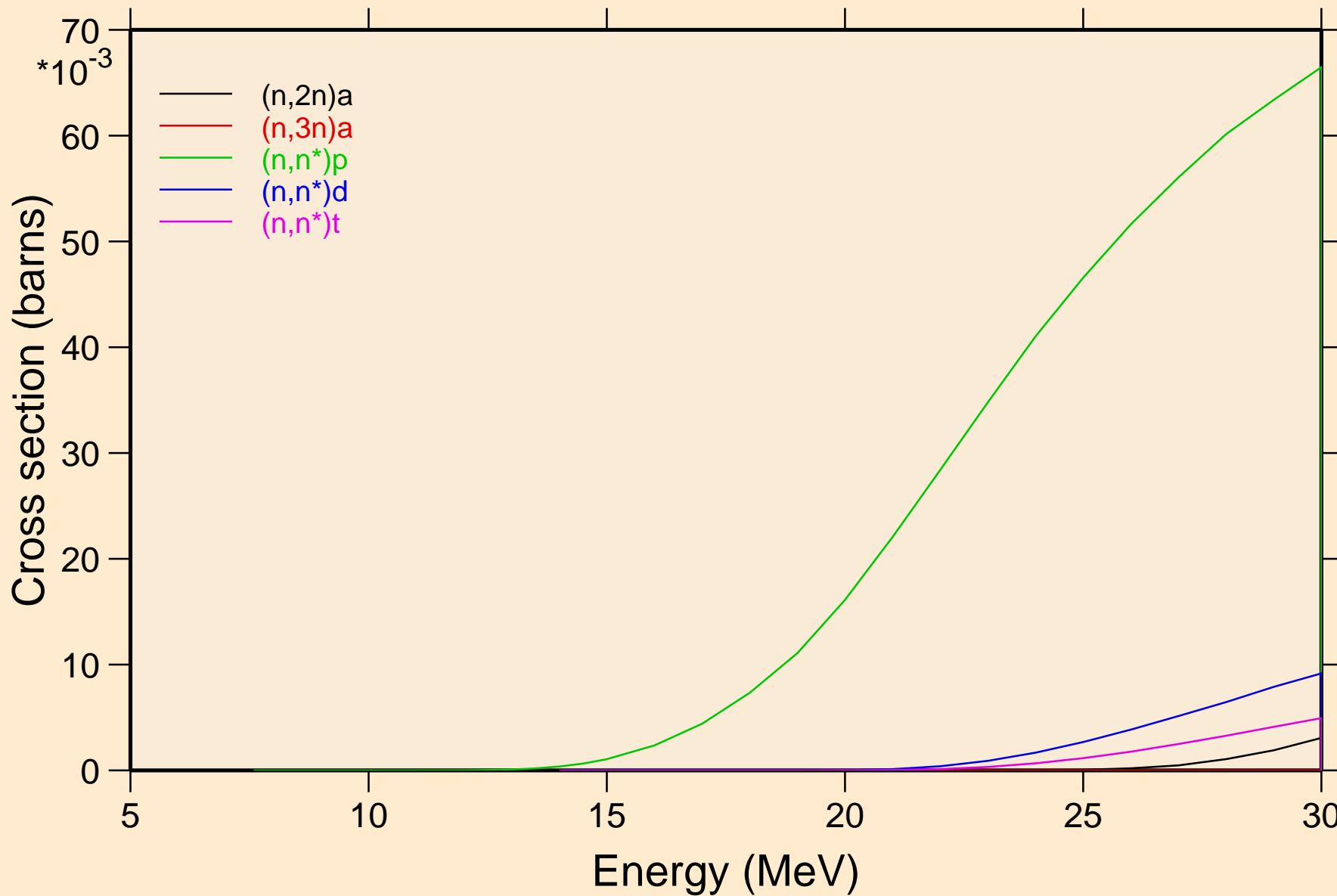
# IN117 NRG TENDL-2015, AKONING

## Threshold reactions



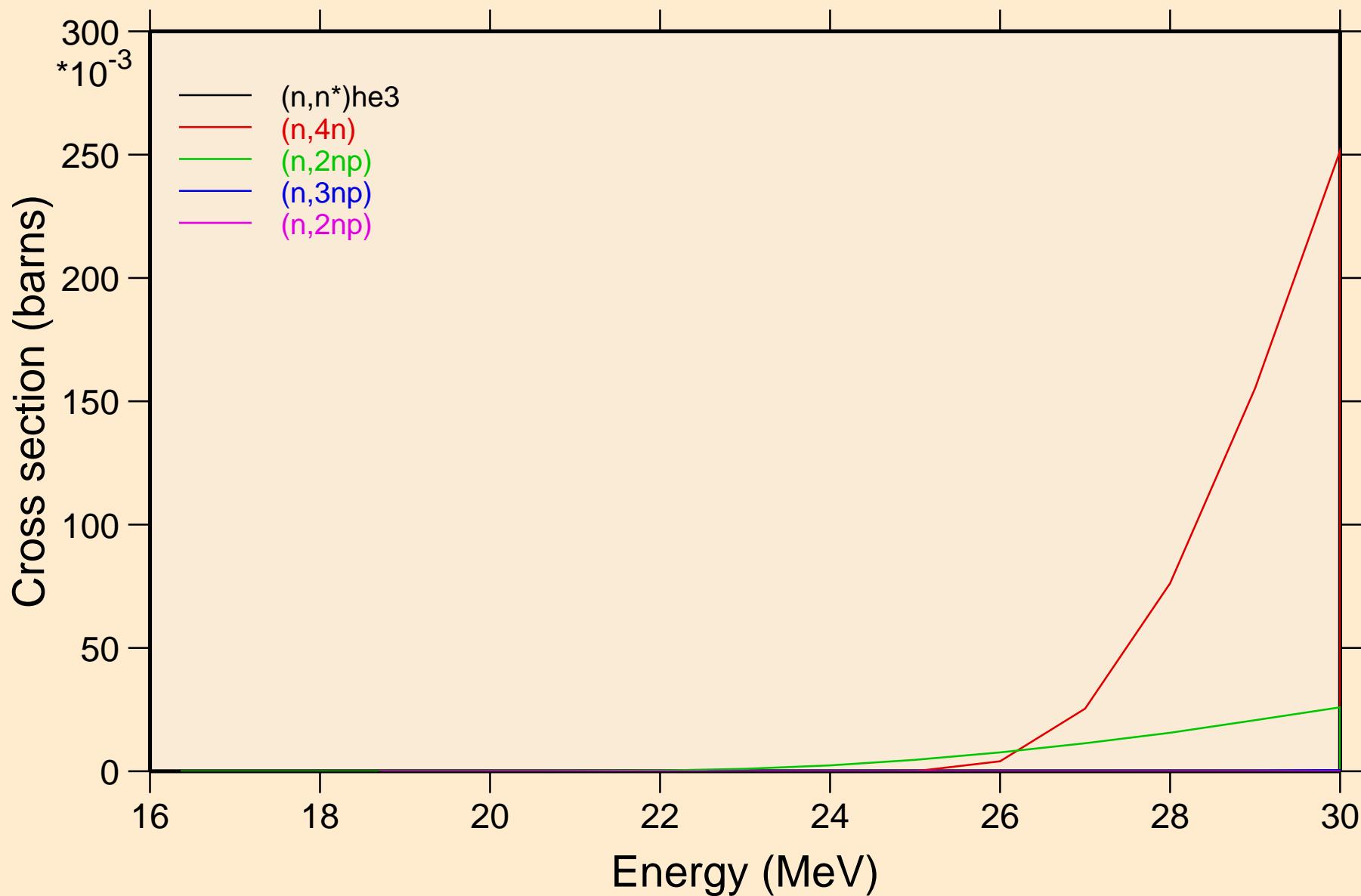
# IN117 NRG TENDL-2015, AKONING

## Threshold reactions



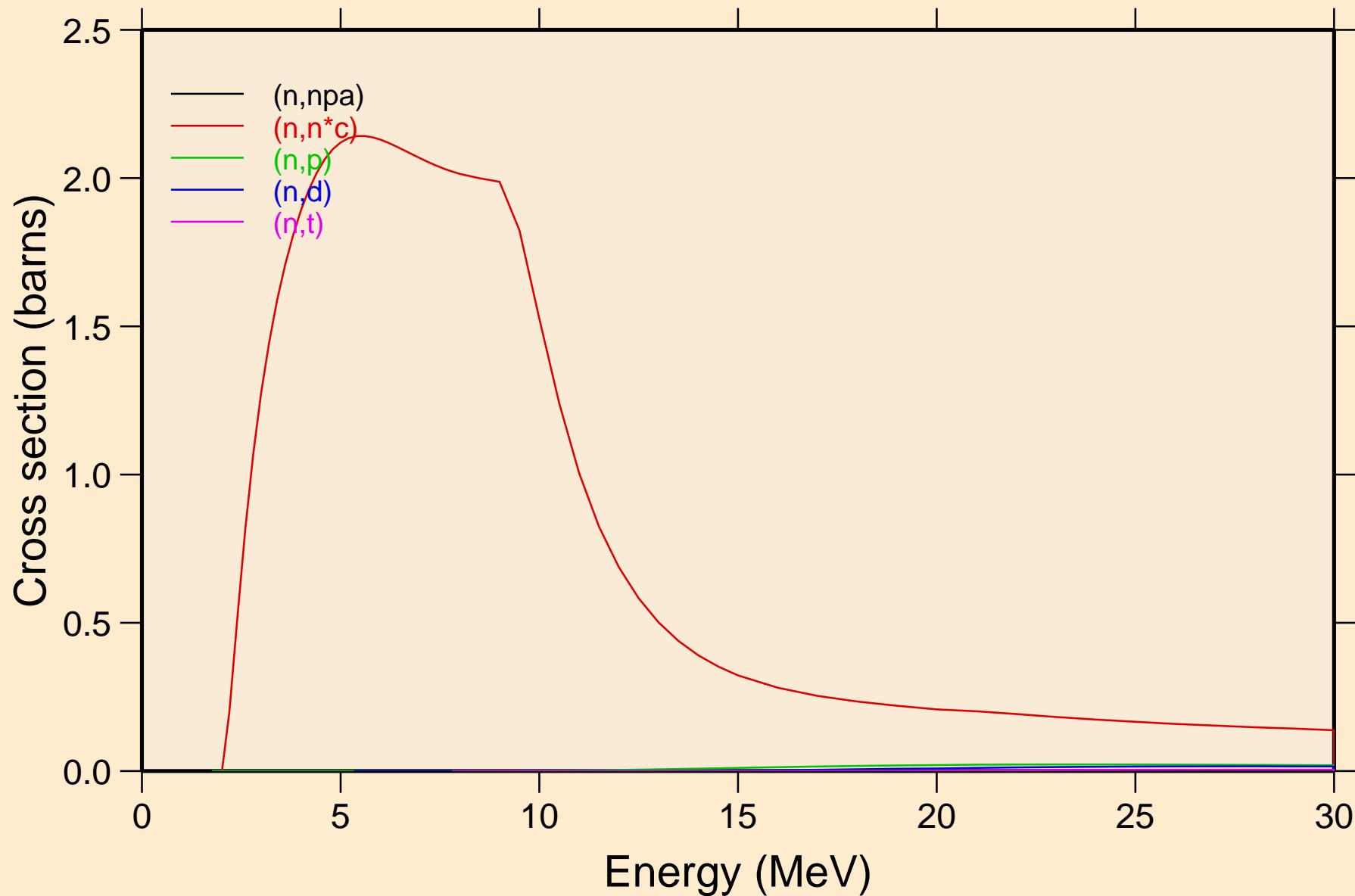
# IN117 NRG TENDL-2015, AKONING

## Threshold reactions



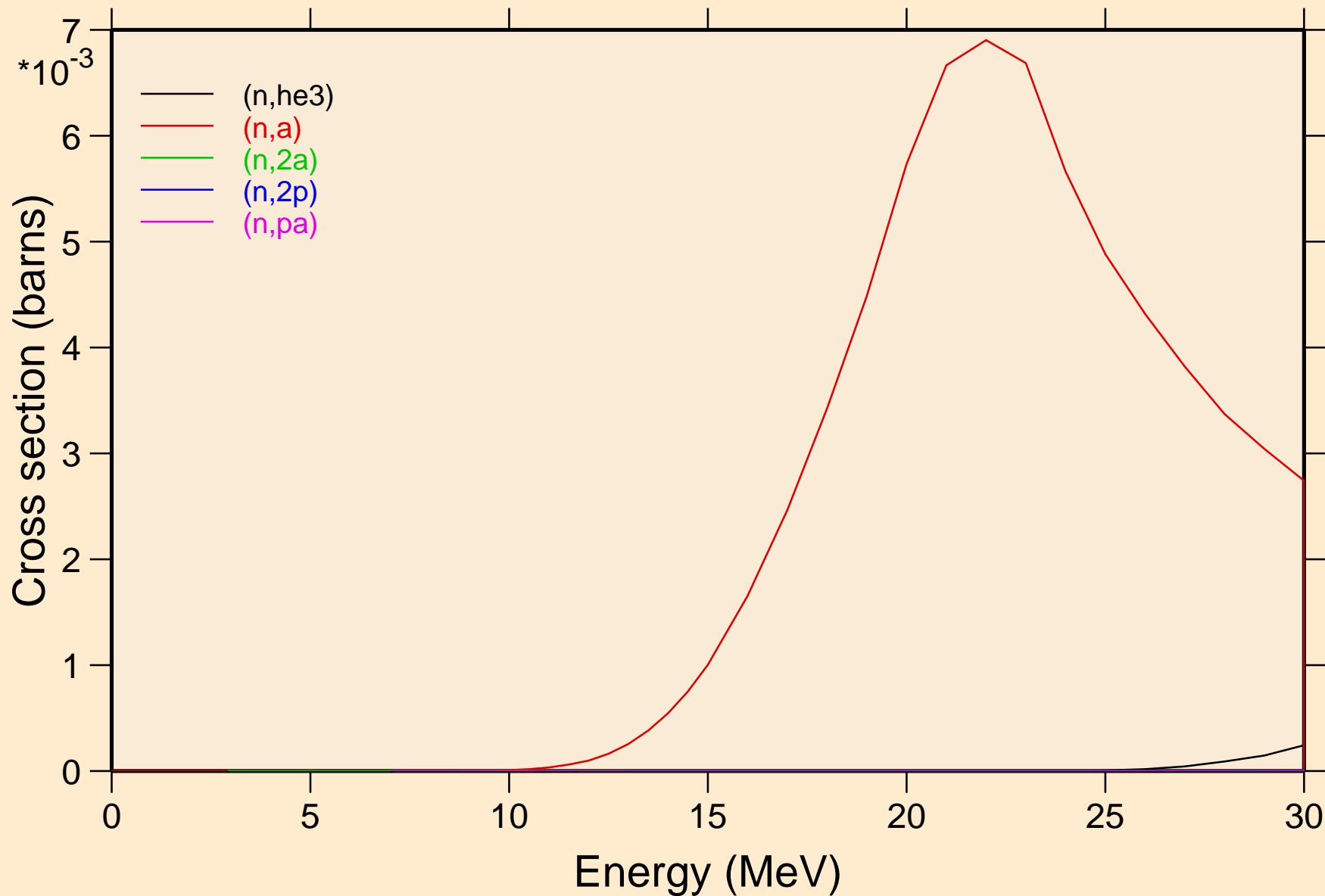
# IN117 NRG TENDL-2015, AKONING

## Threshold reactions

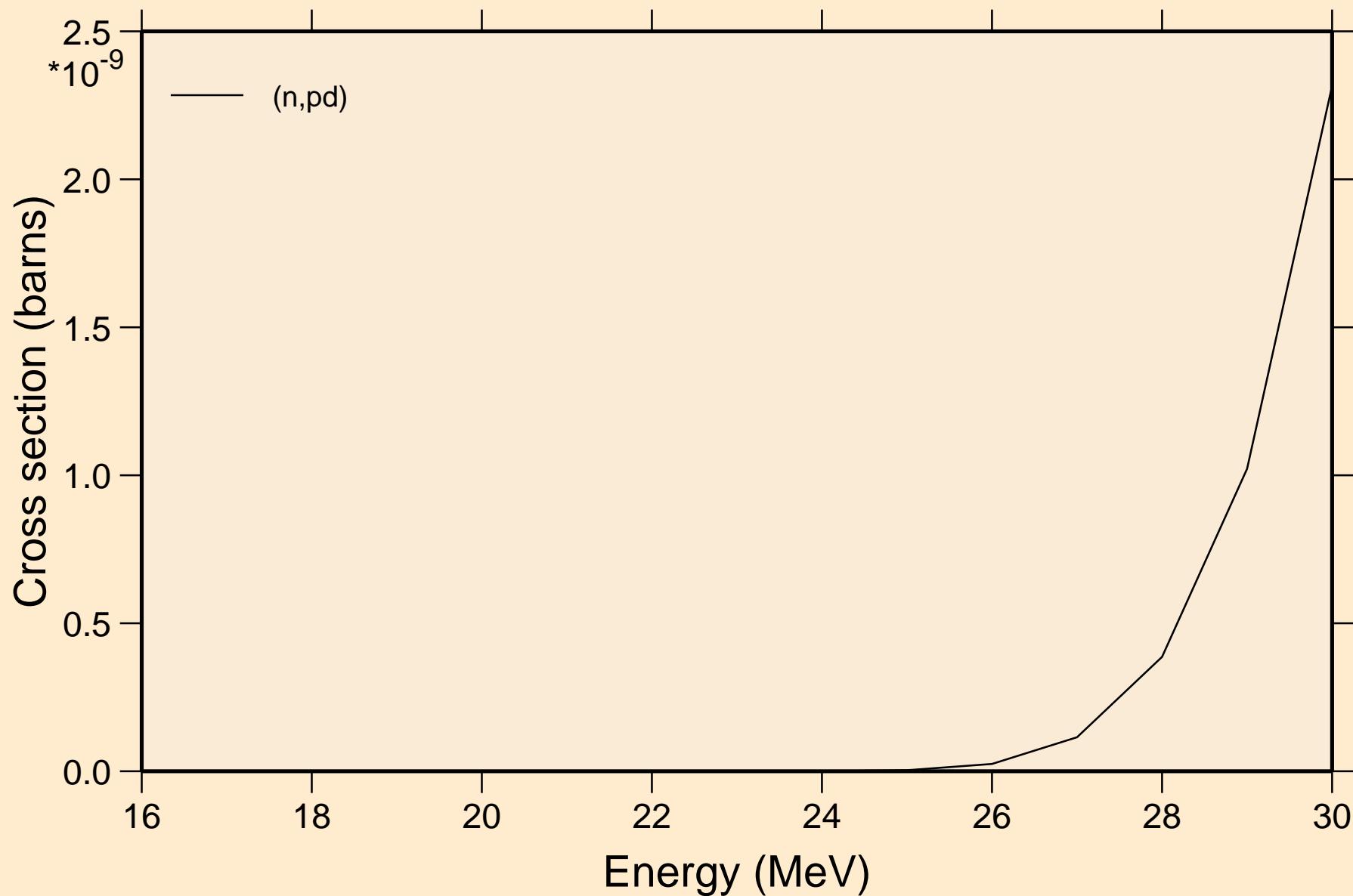


# IN117 NRG TENDL-2015, AKONING

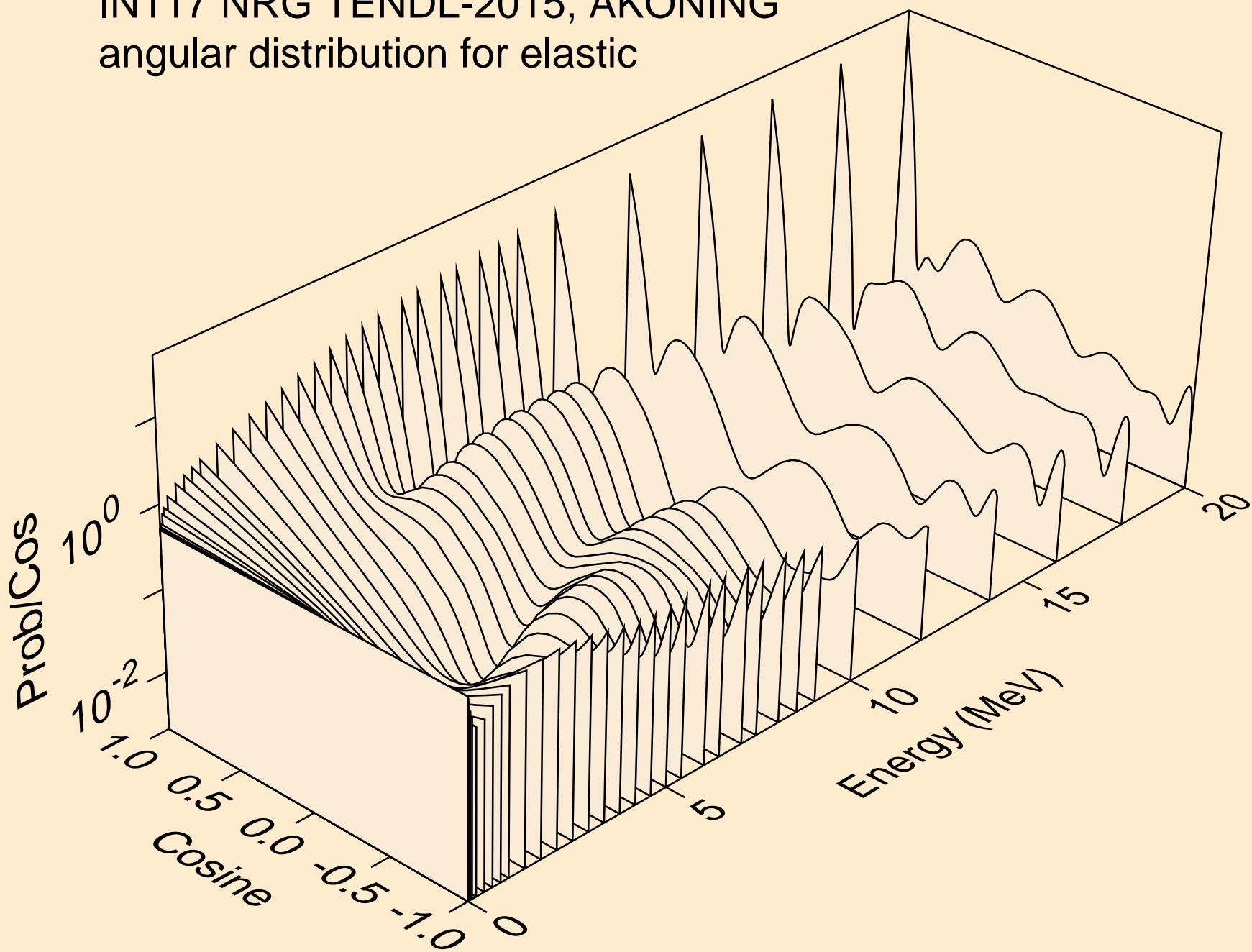
## Threshold reactions



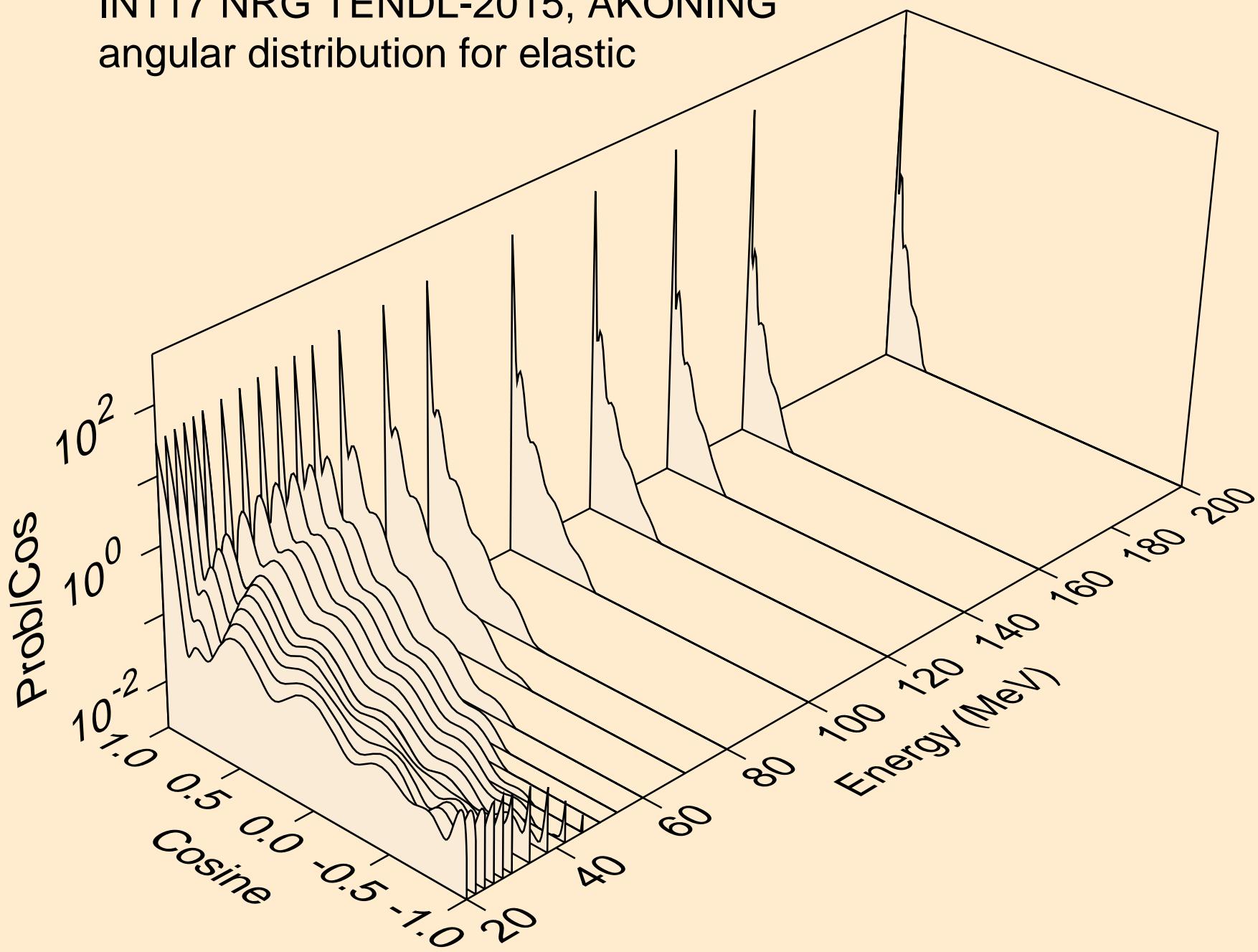
IN117 NRG TENDL-2015, AKONING  
Threshold reactions



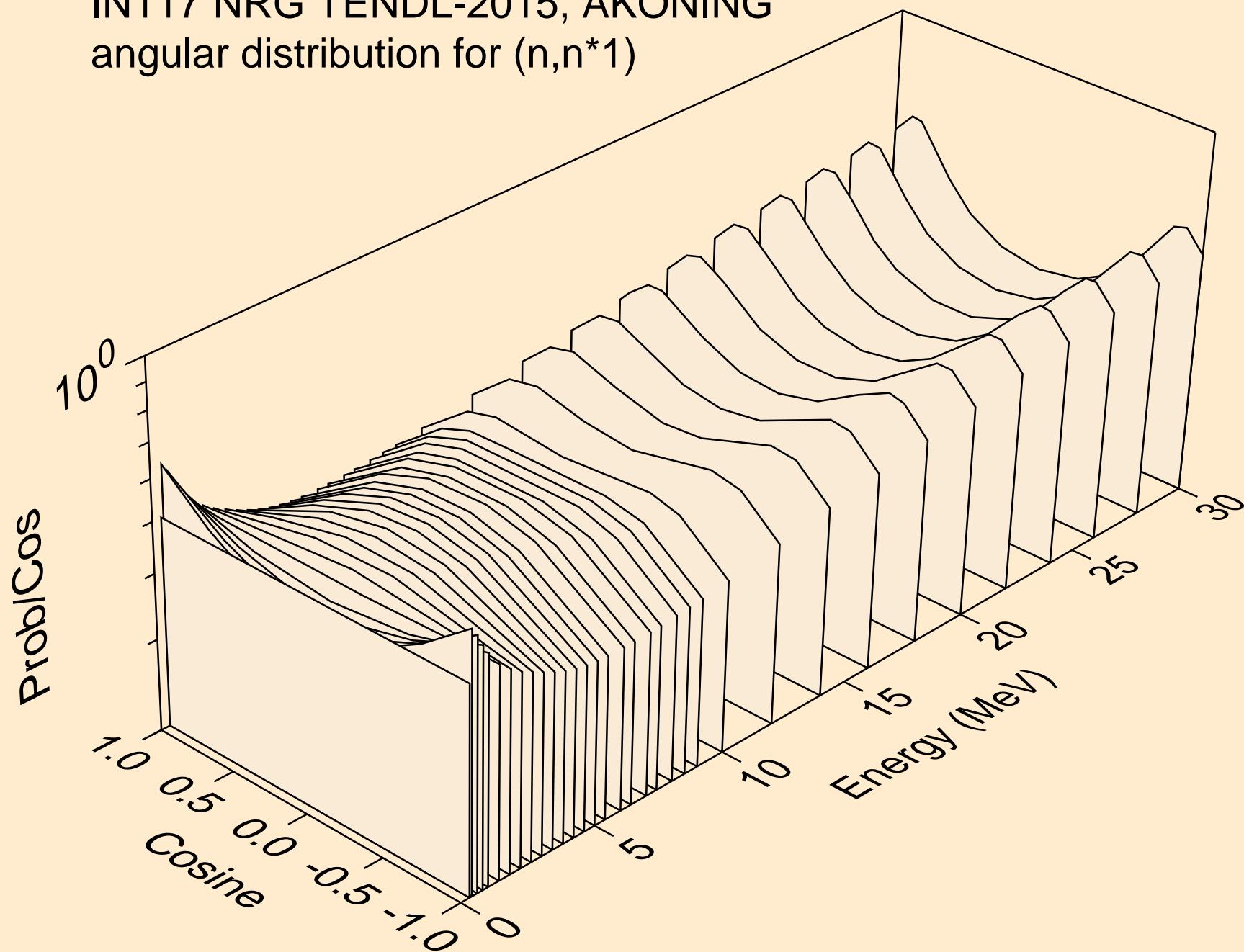
IN117 NRG TENDL-2015, AKONING  
angular distribution for elastic



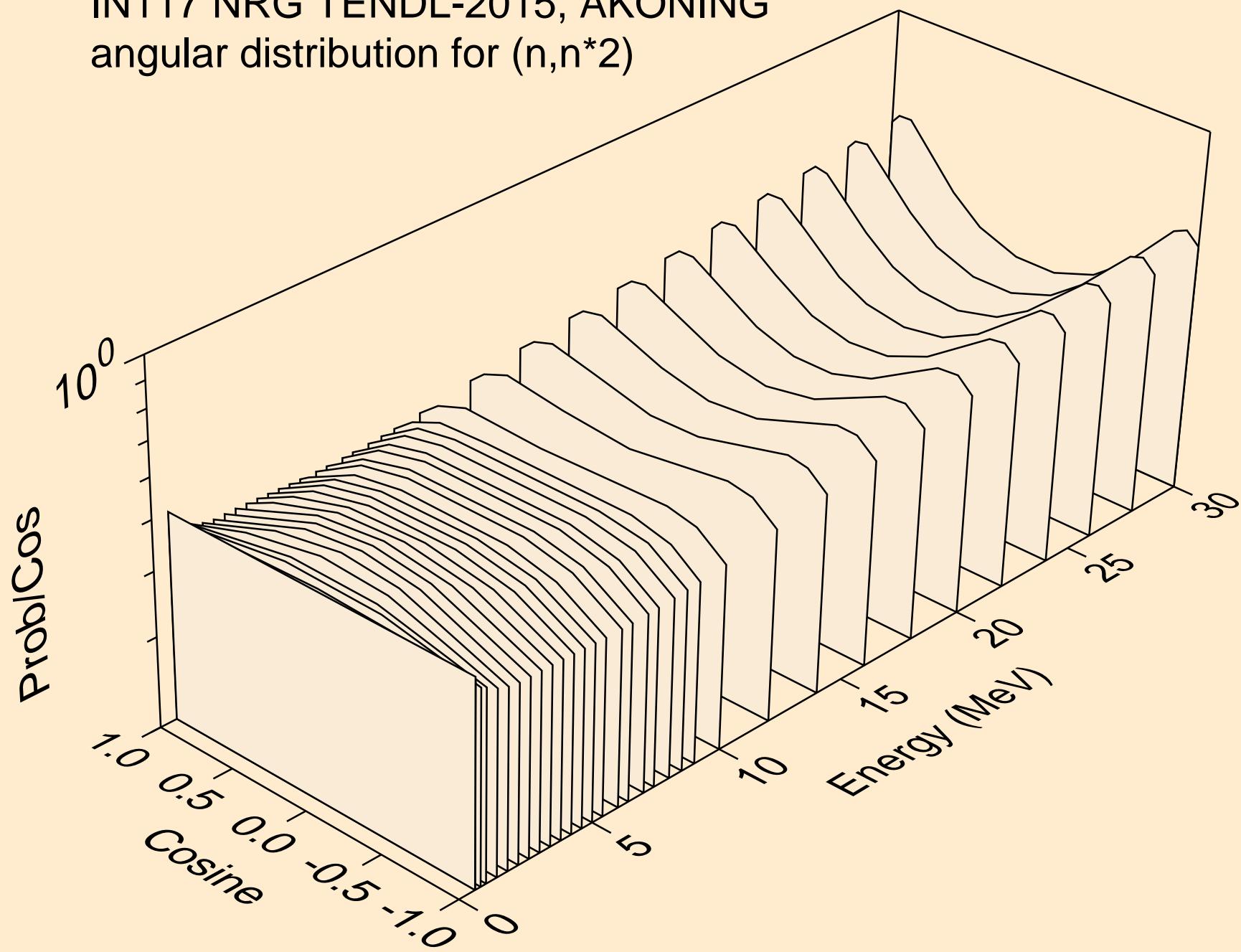
IN117 NRG TENDL-2015, AKONING  
angular distribution for elastic



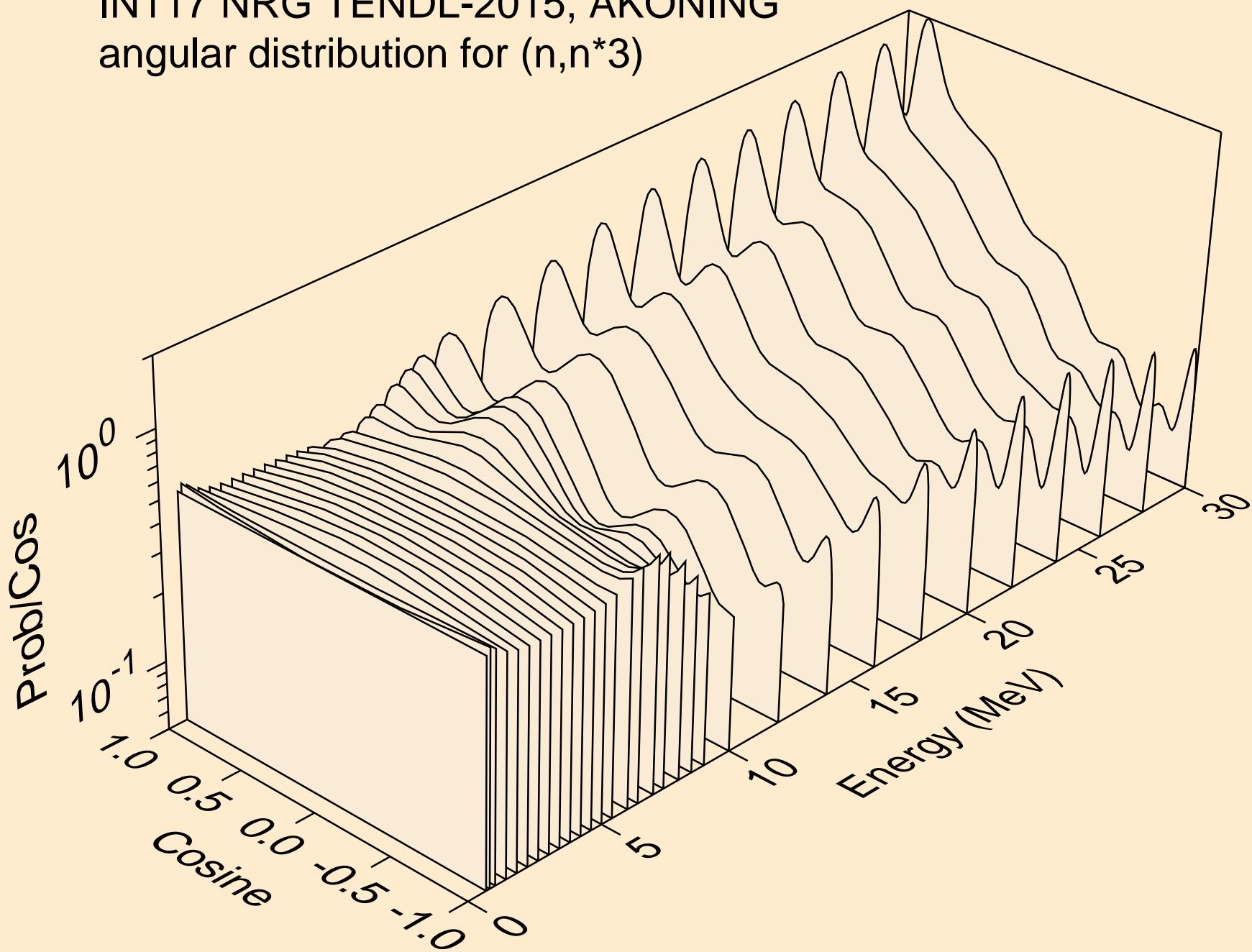
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



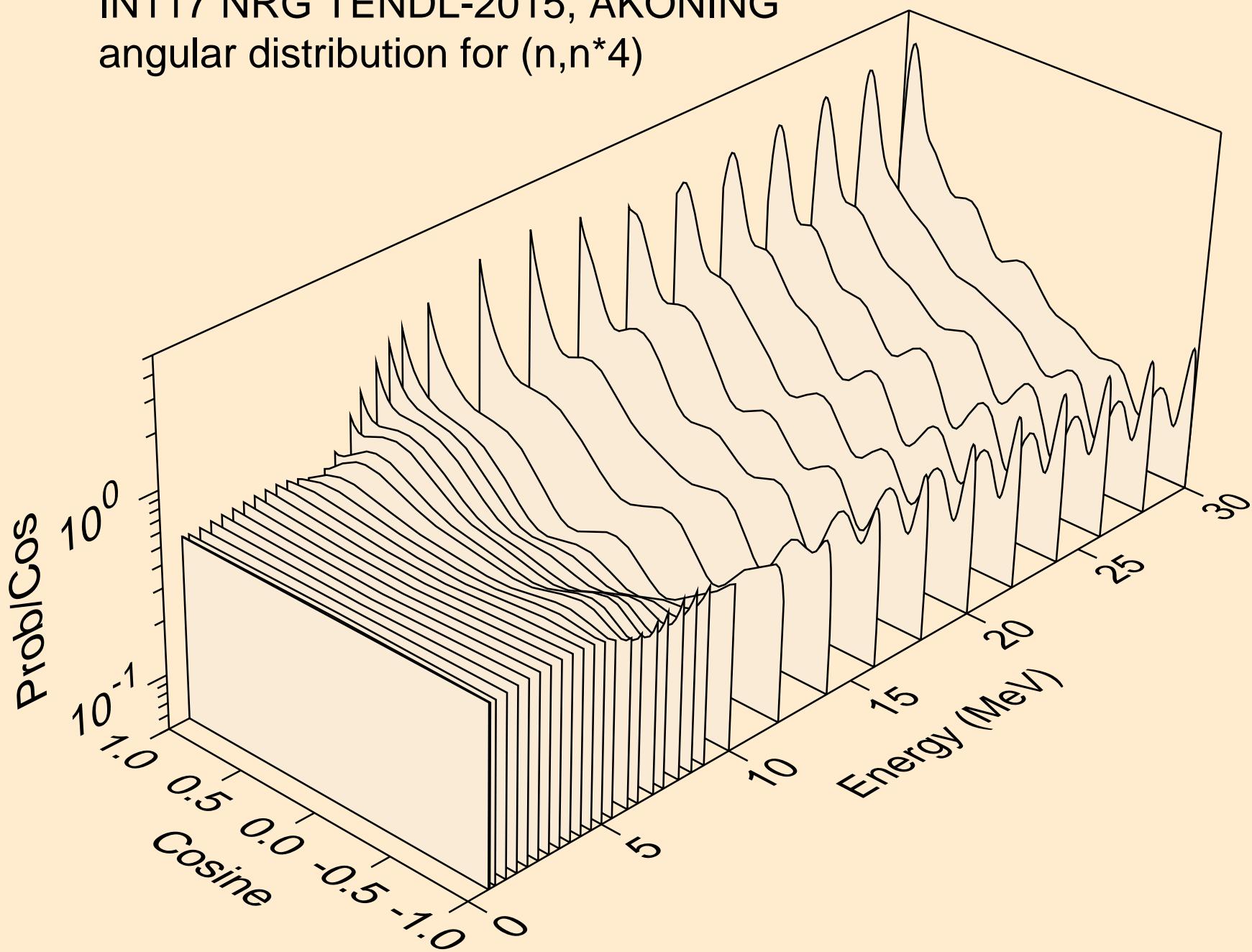
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*2)$



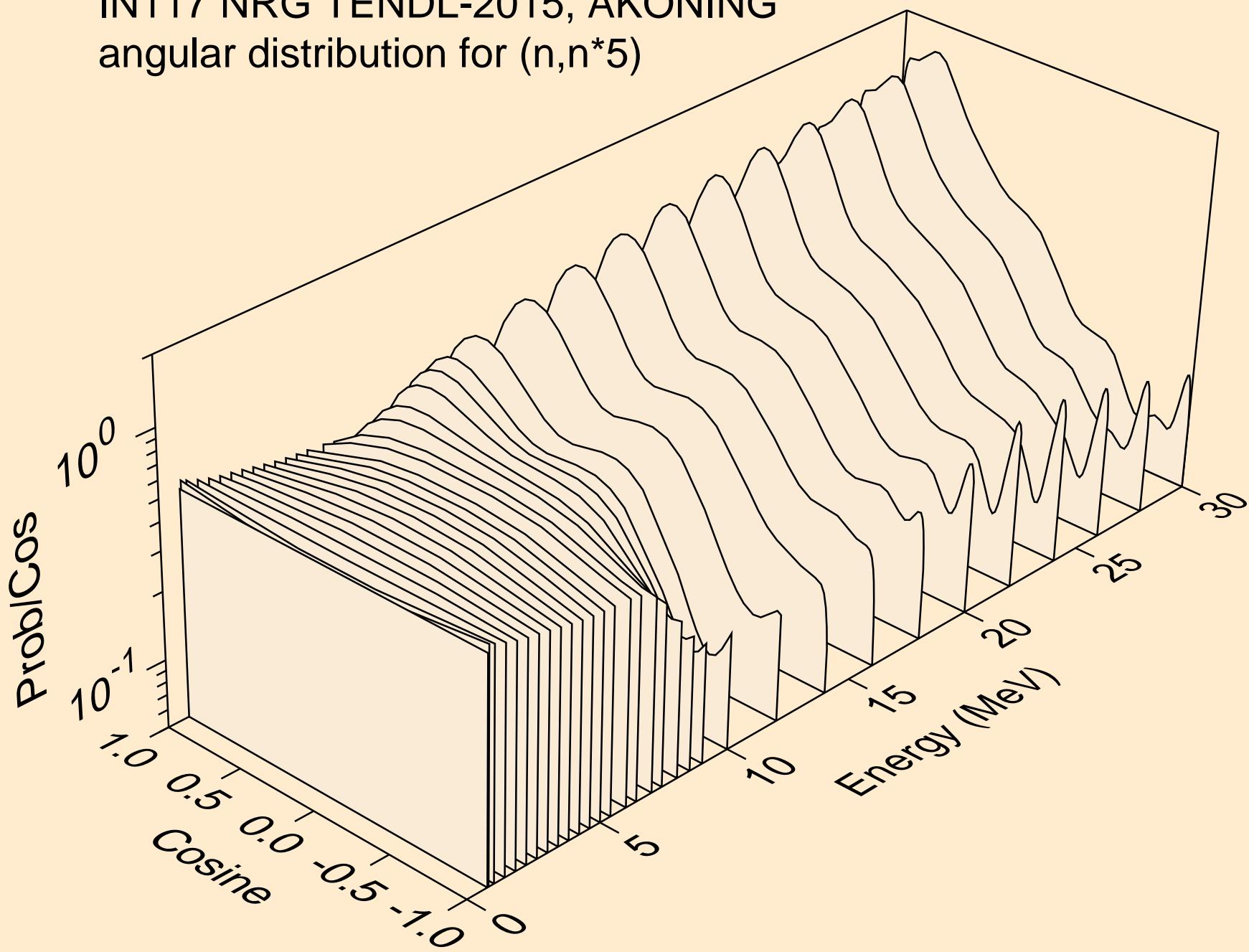
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



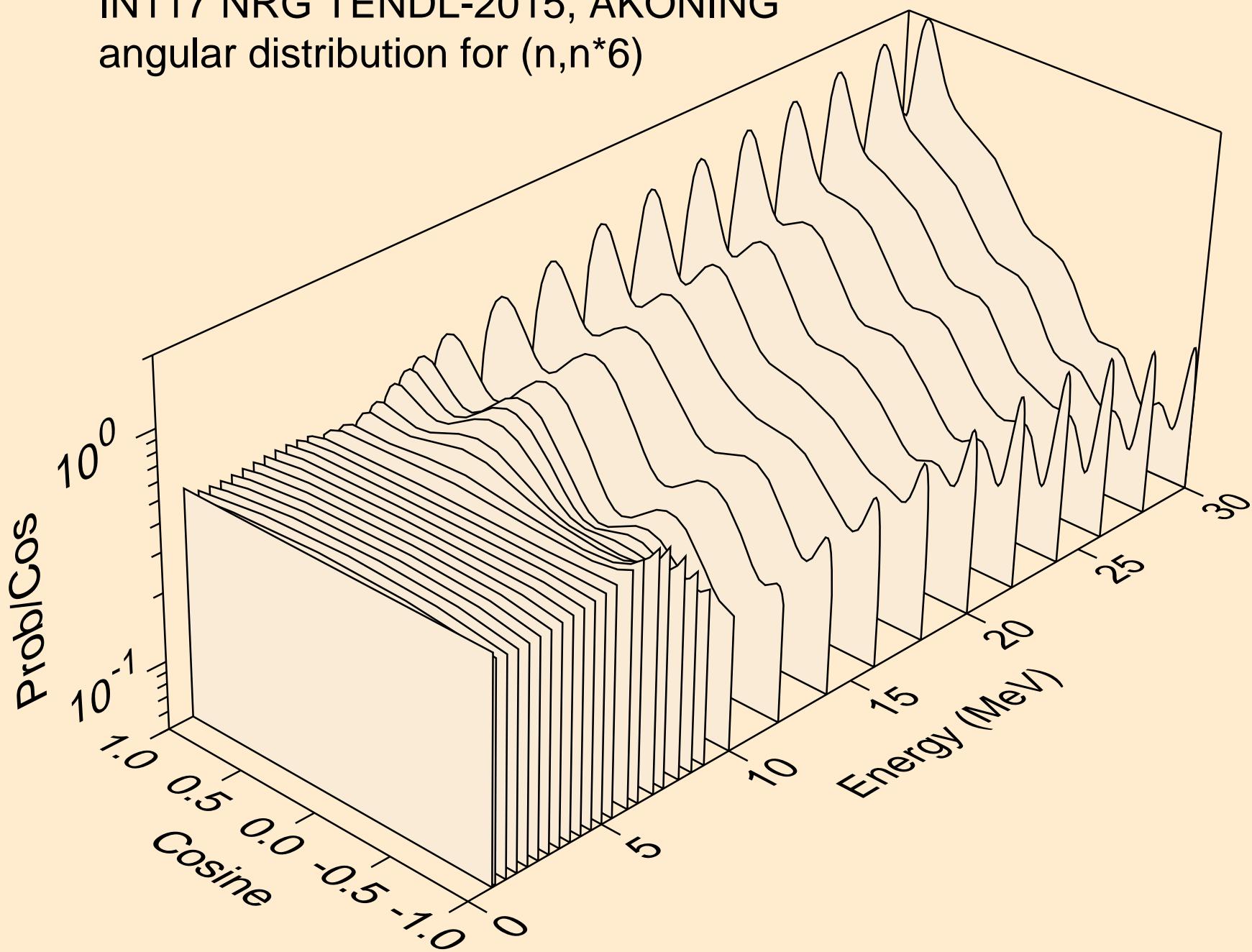
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



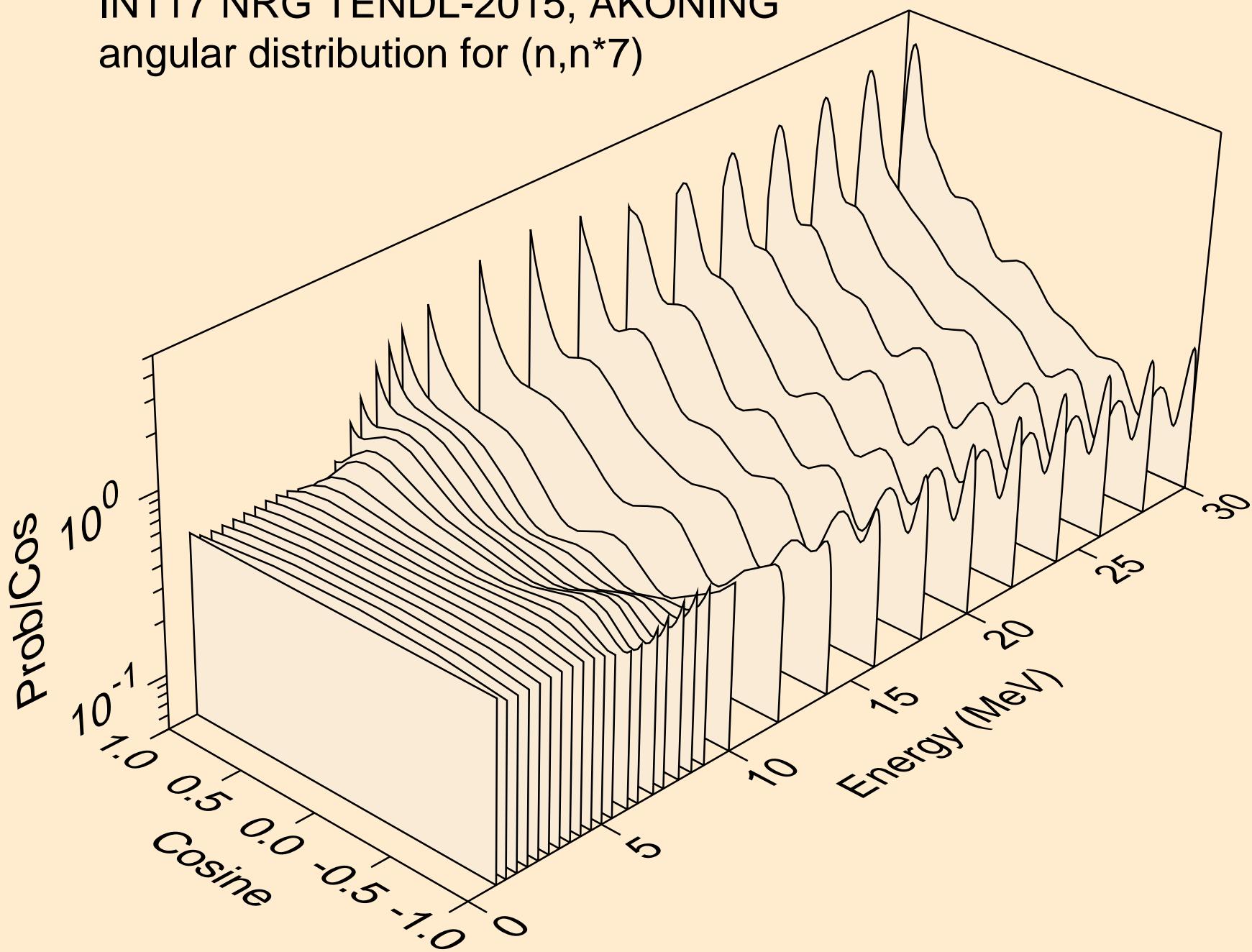
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



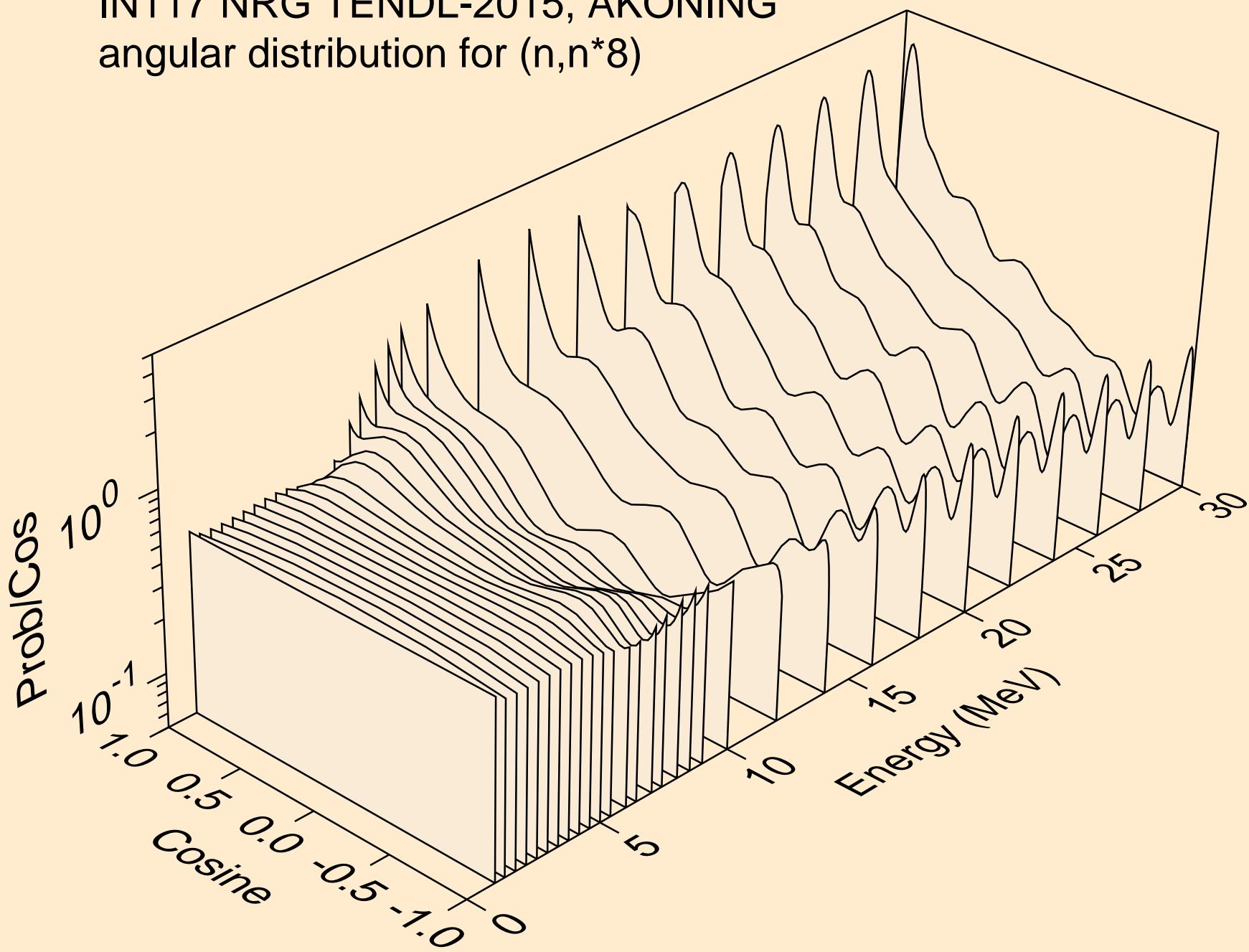
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



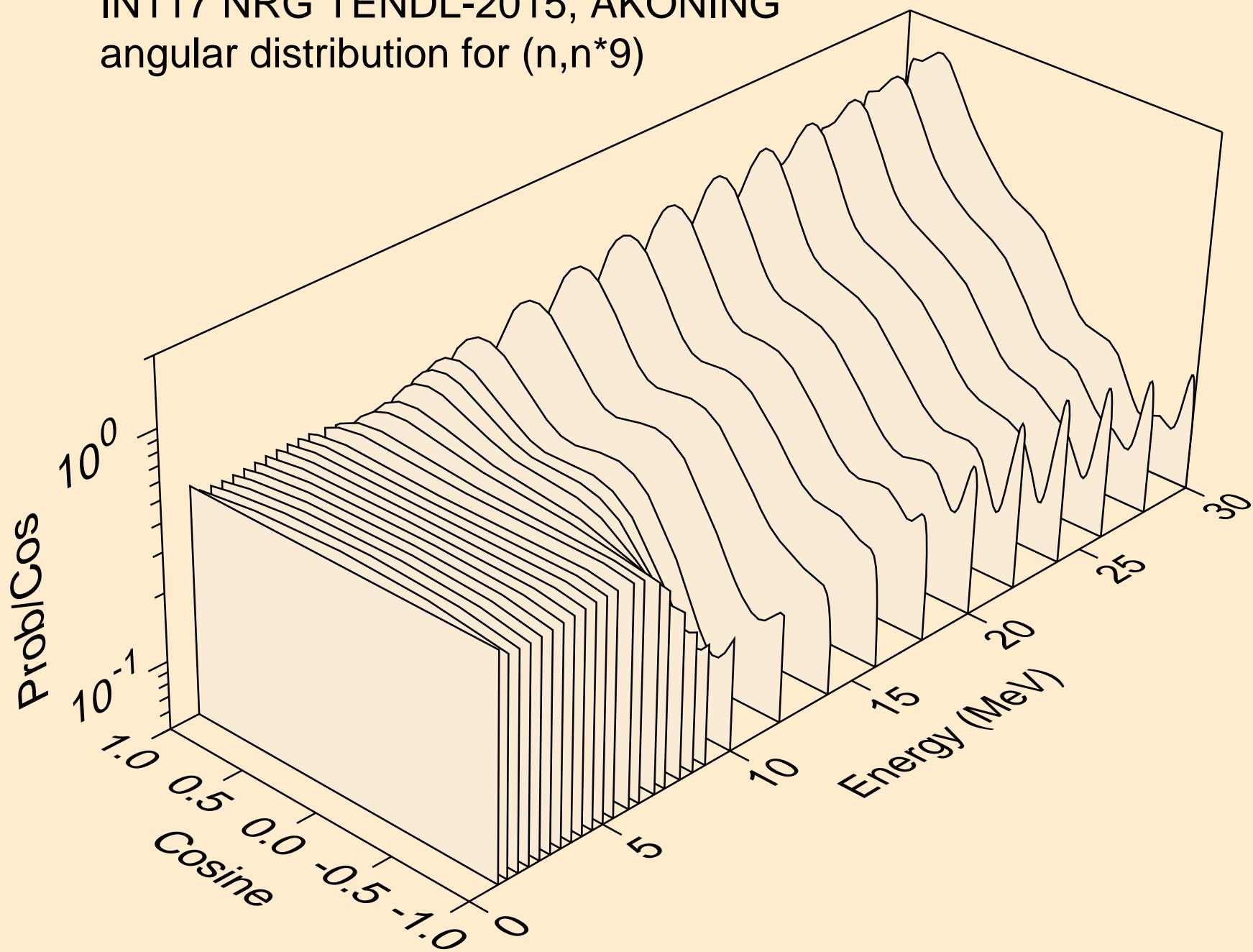
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



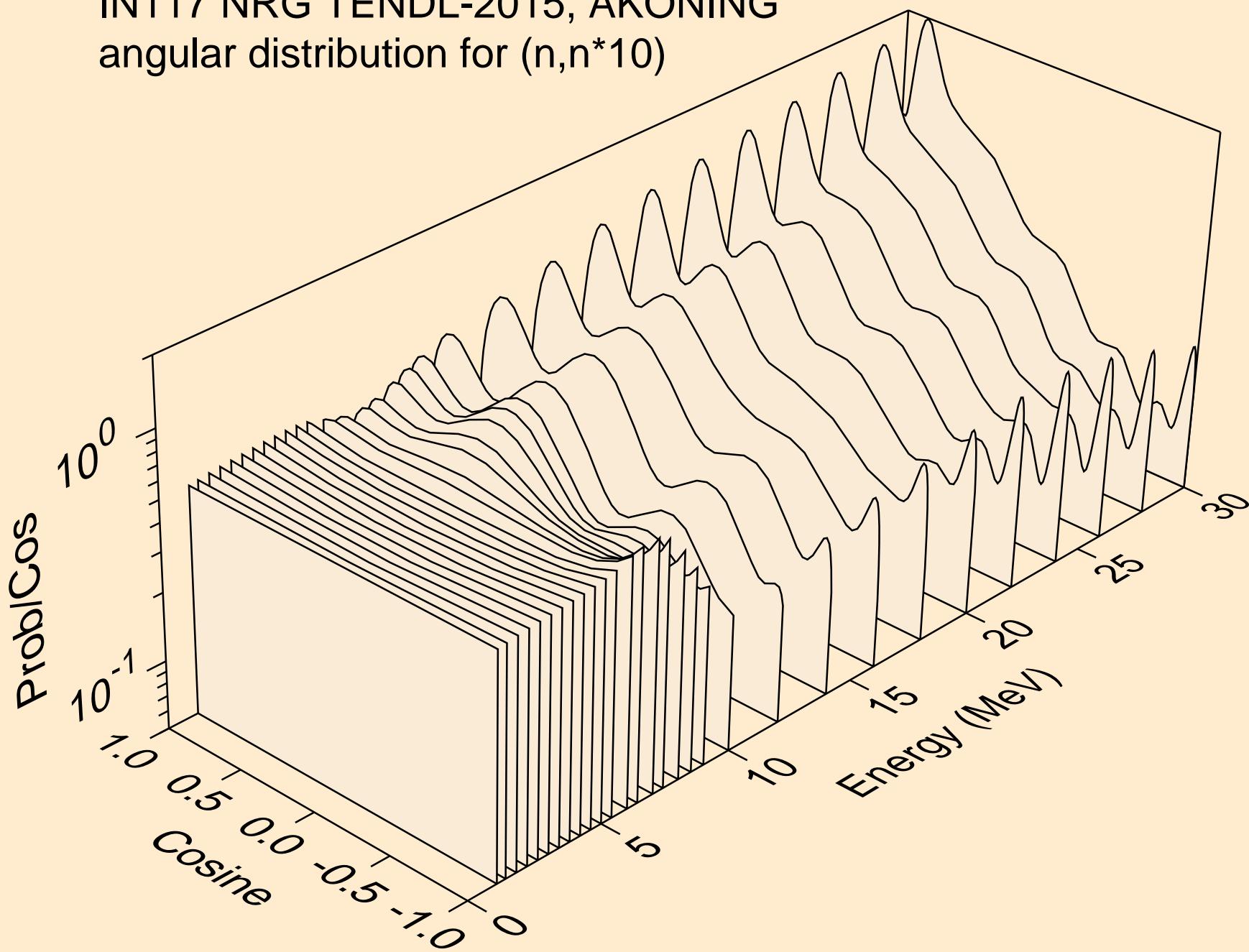
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



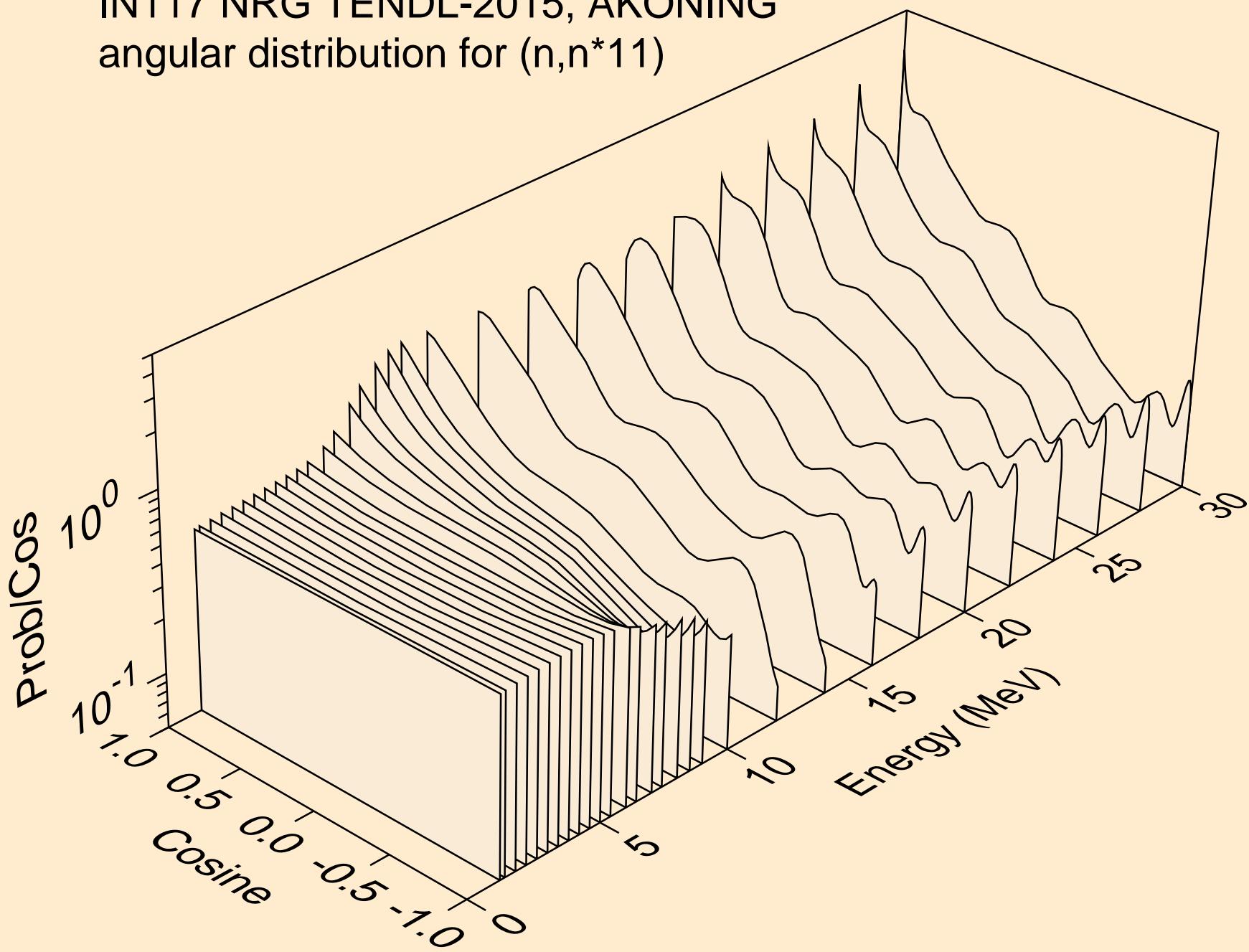
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)9$



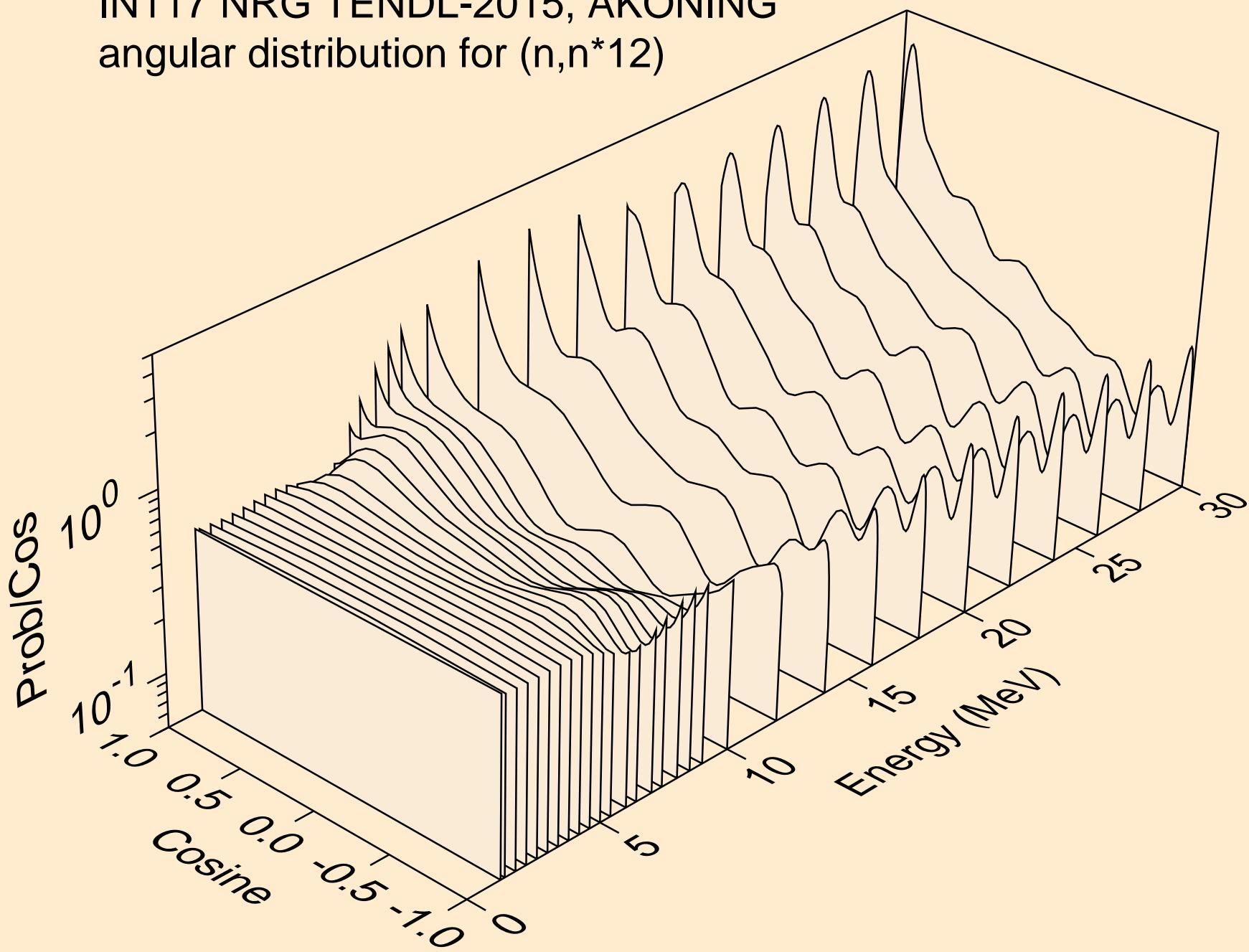
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



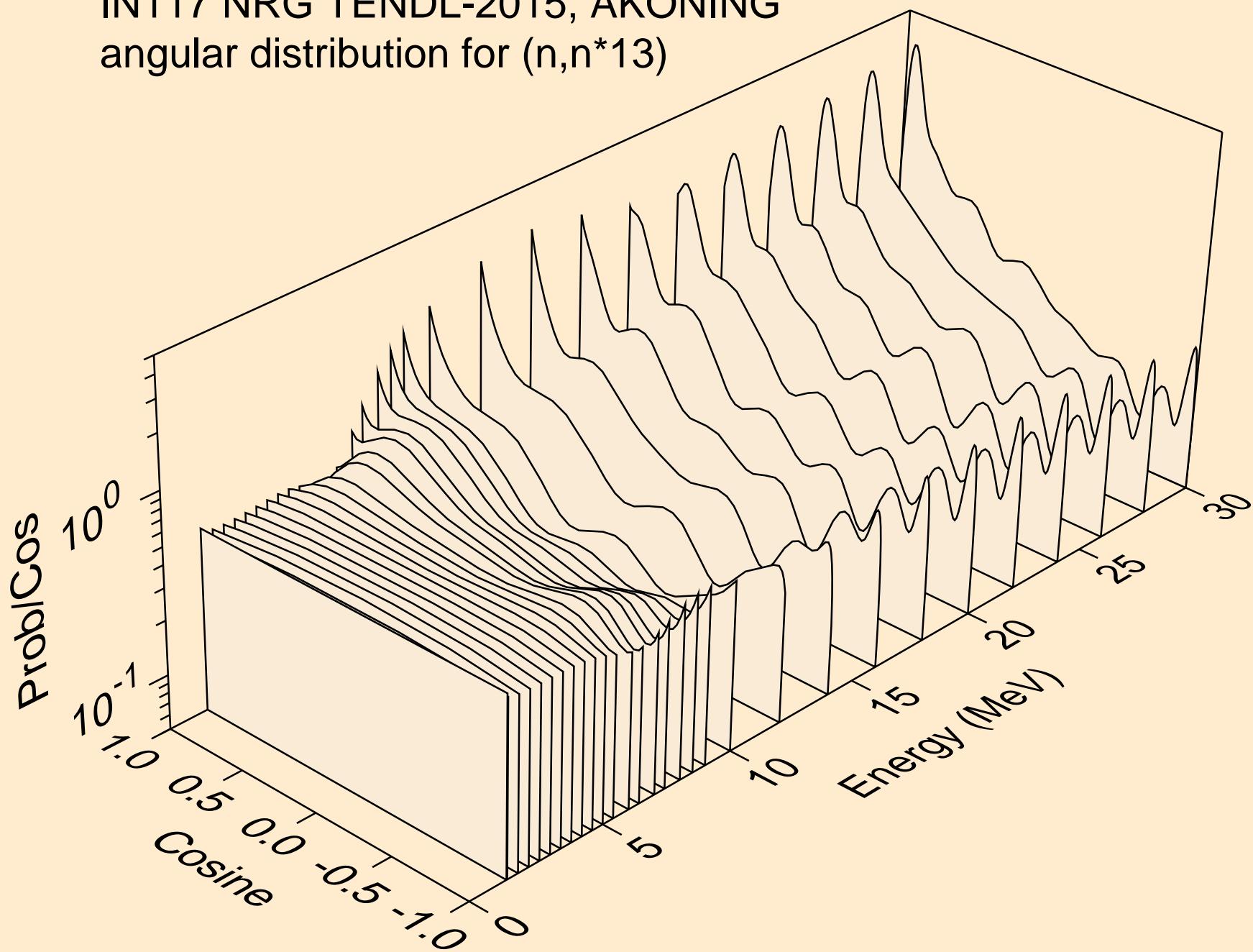
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



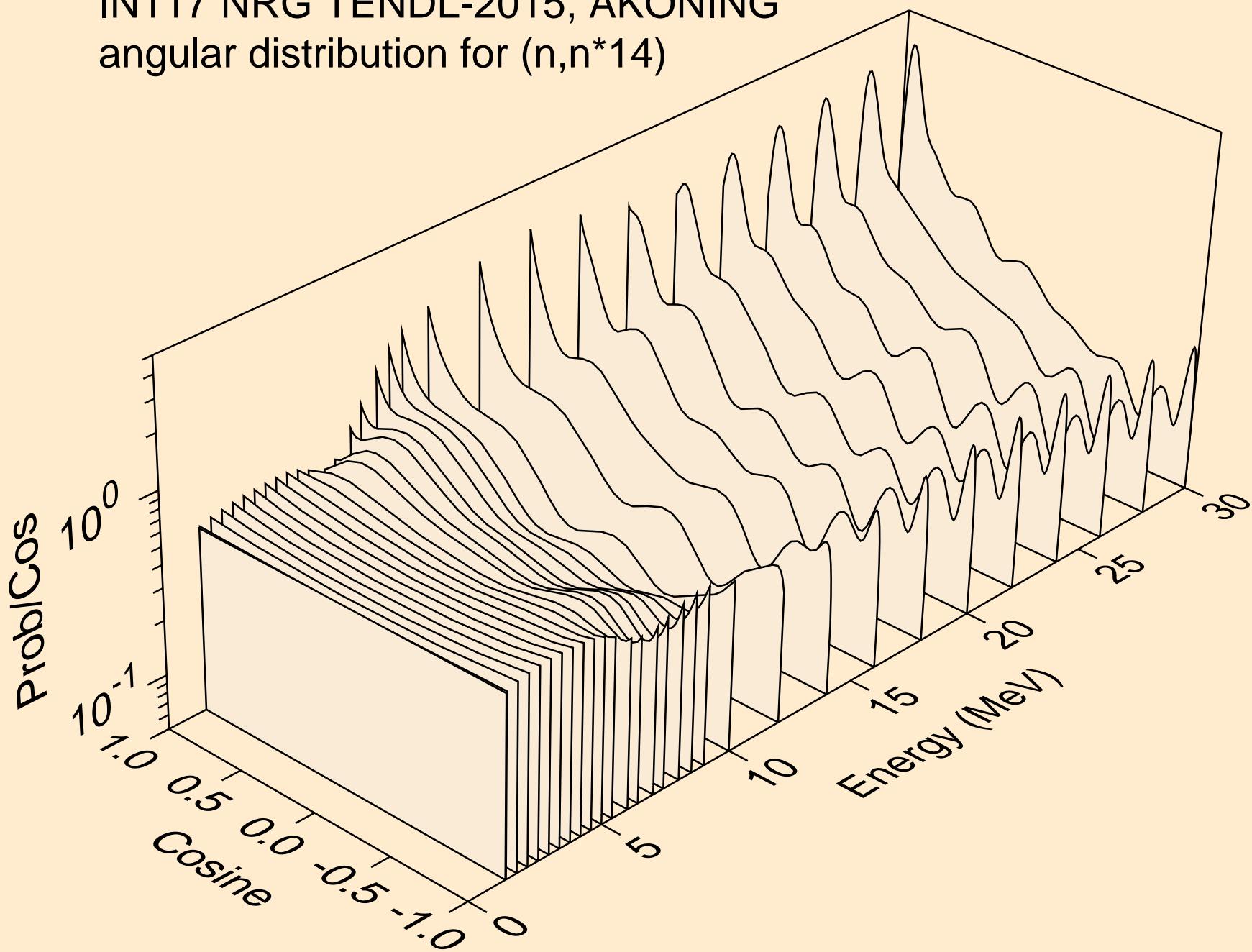
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



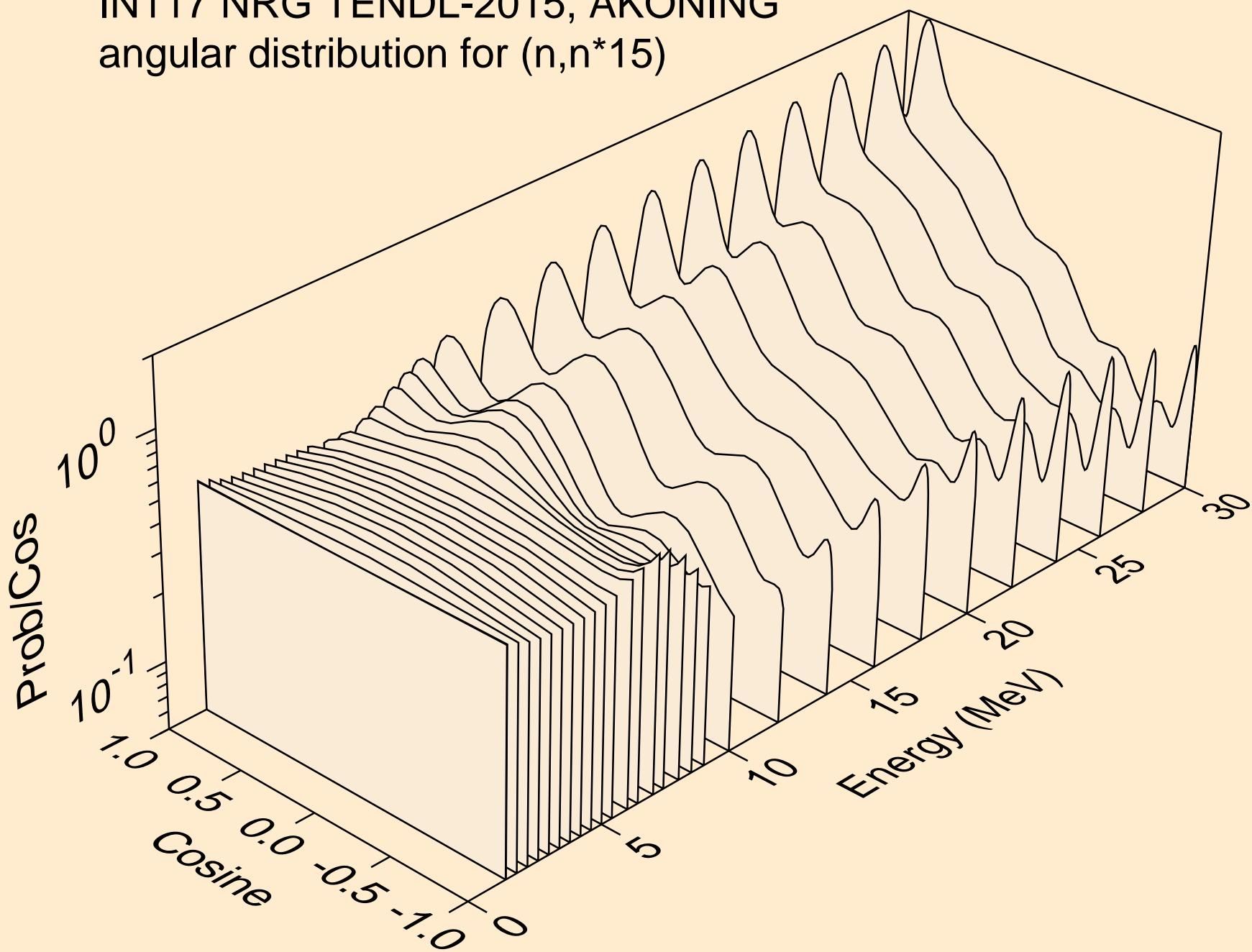
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



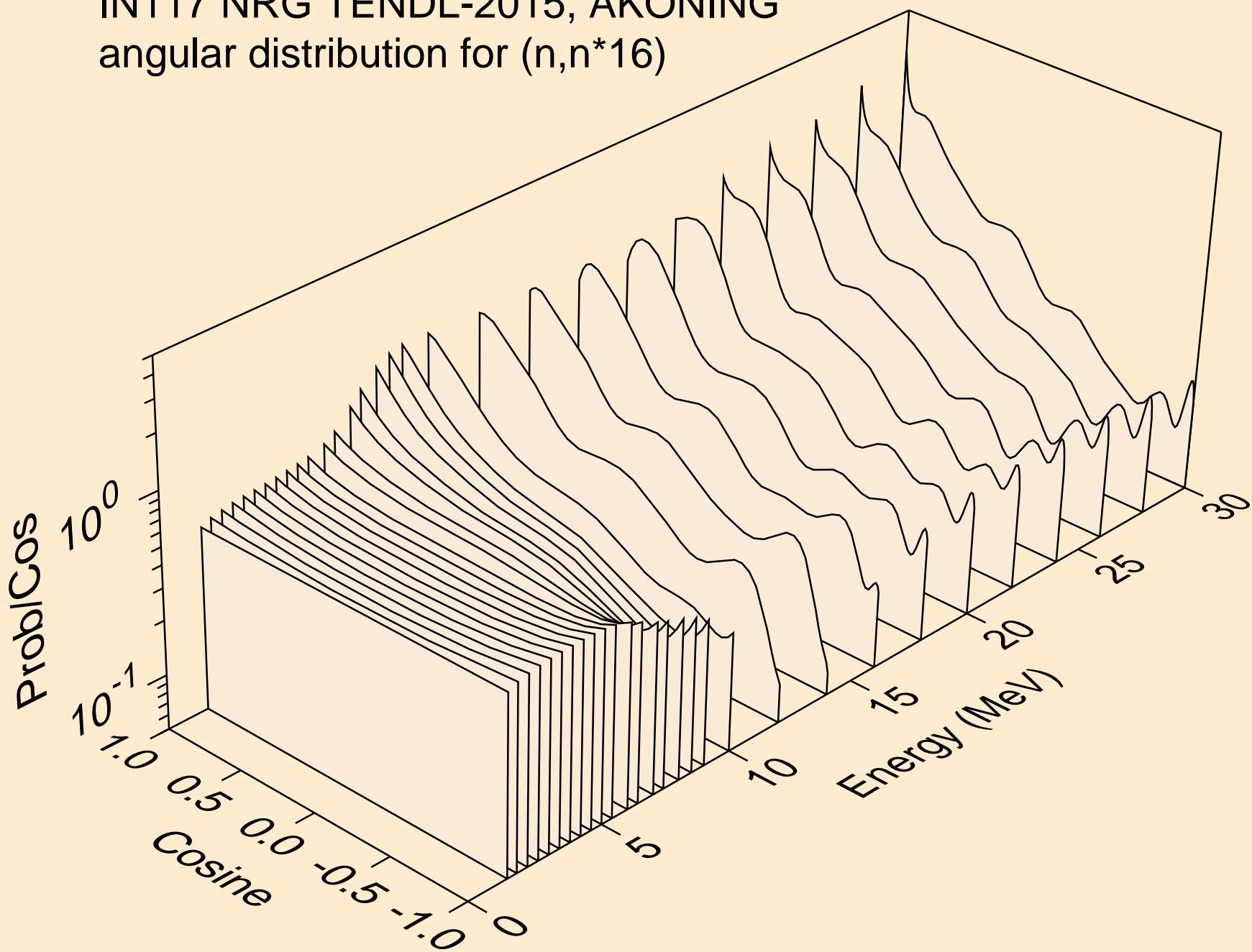
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



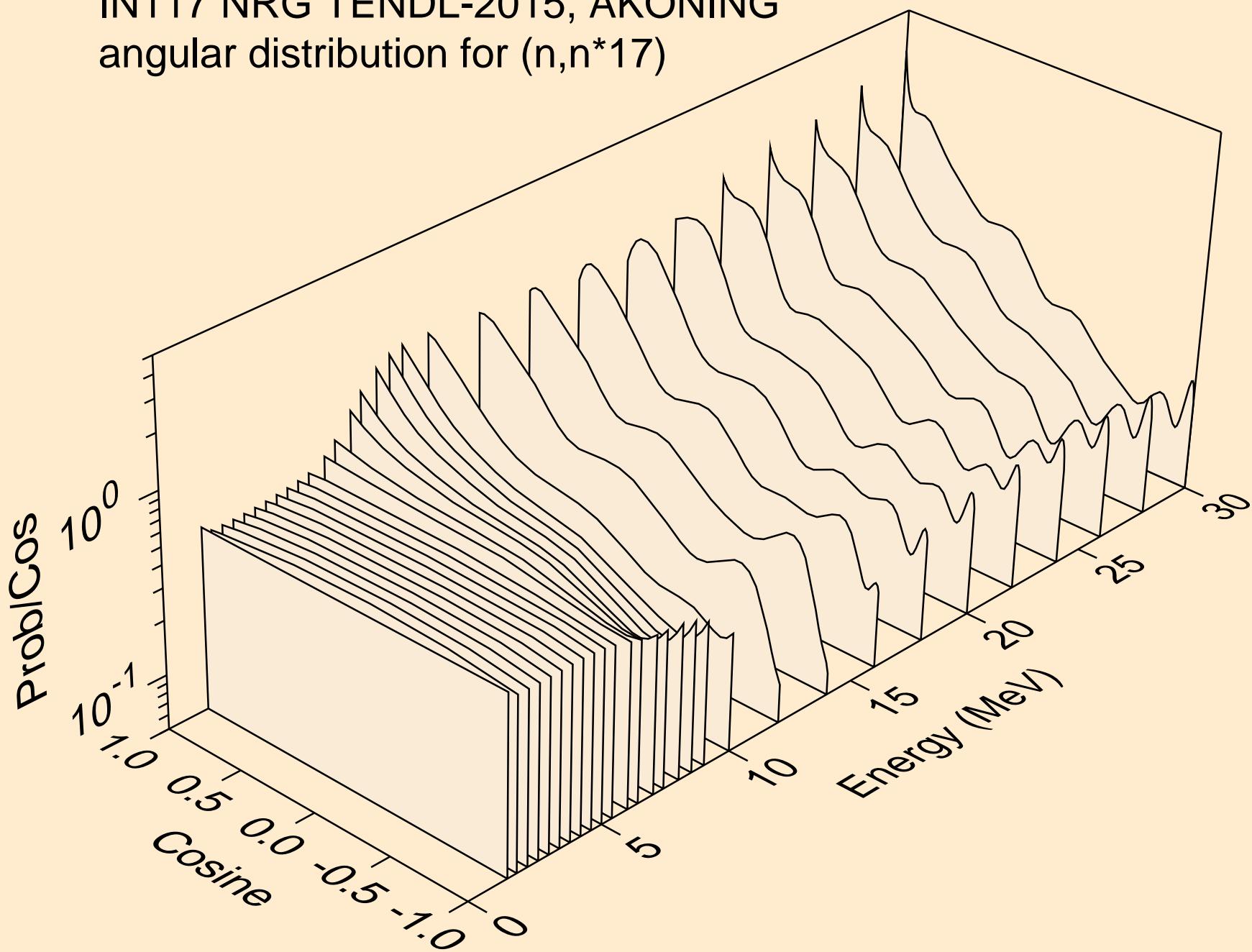
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*15)$



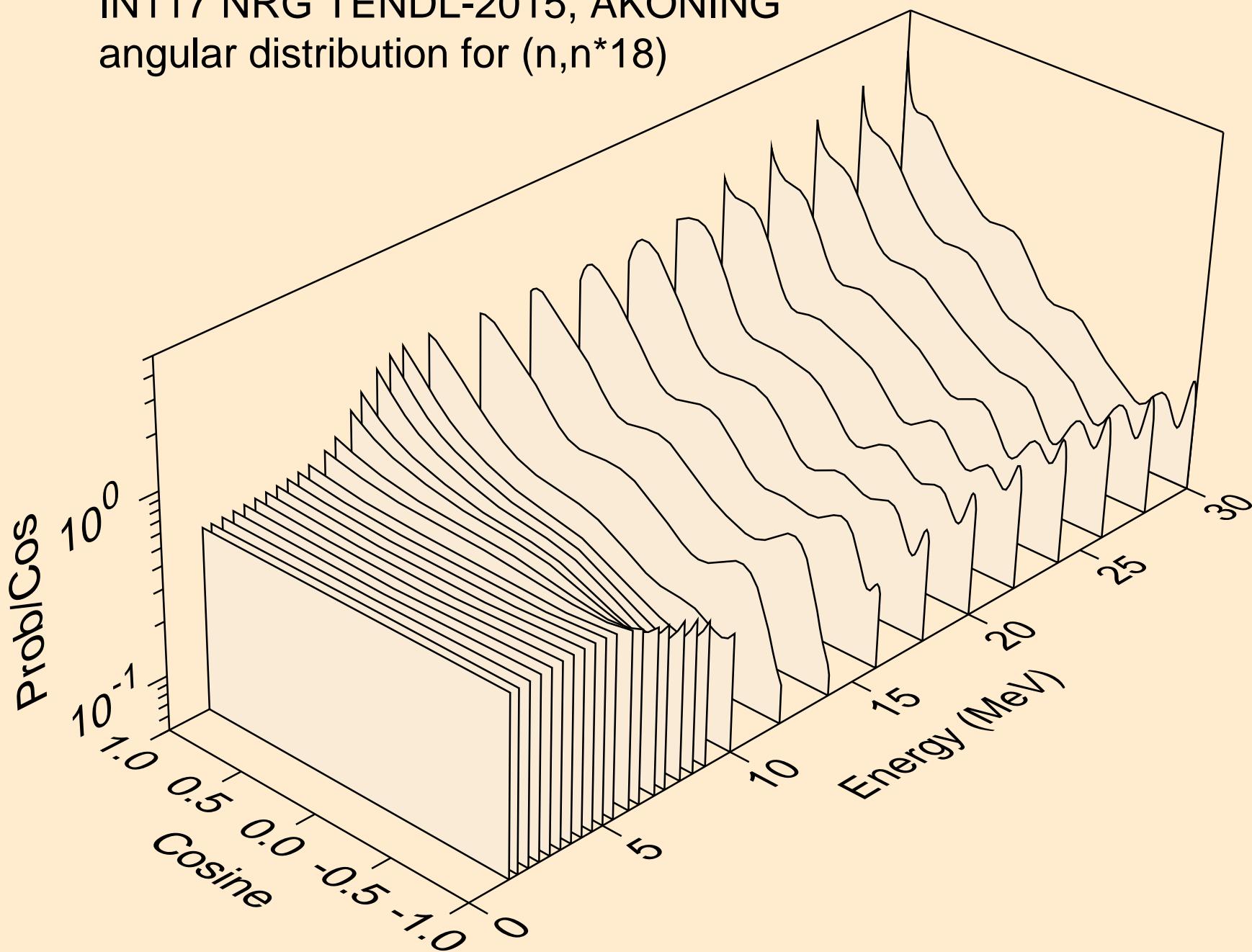
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*16)$



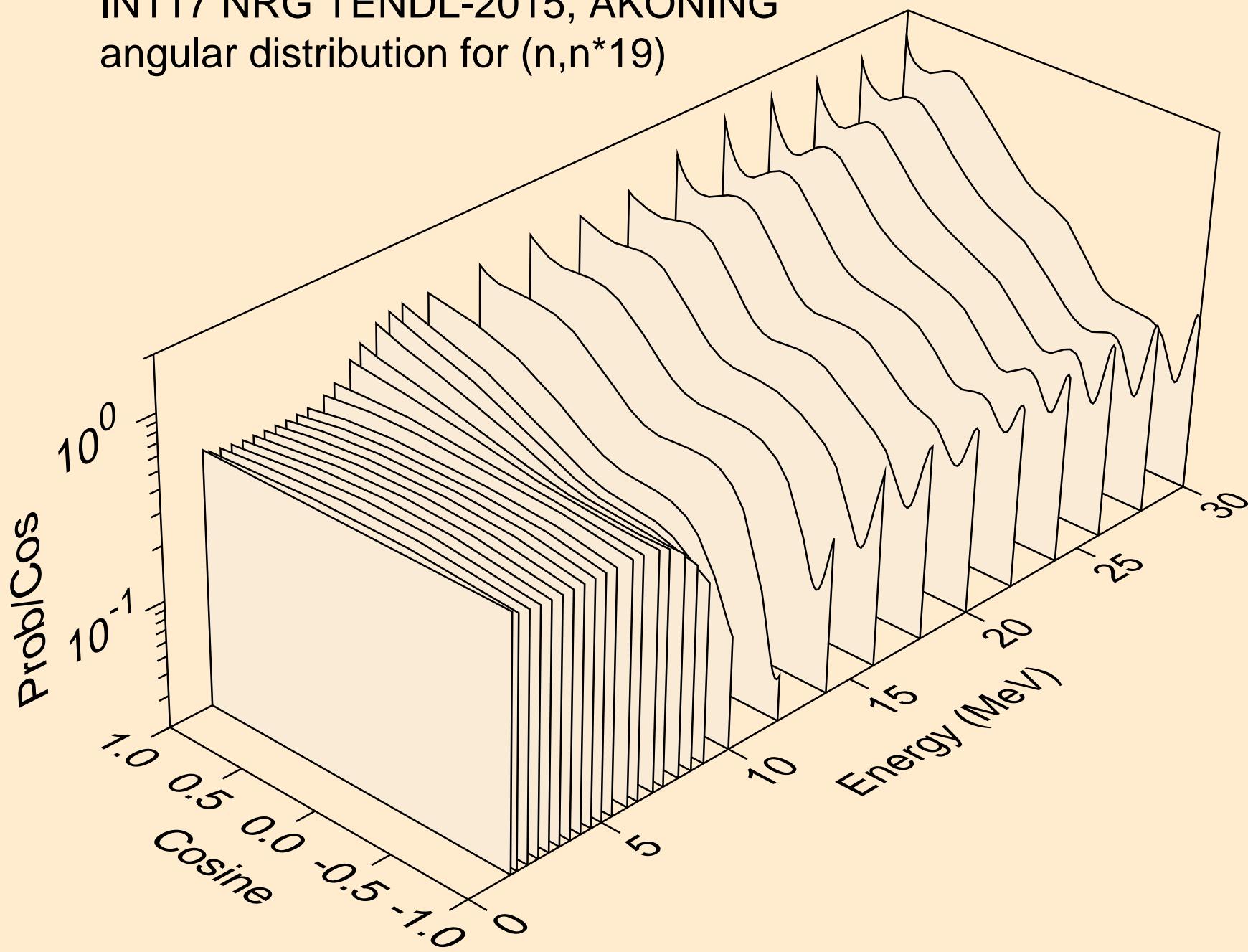
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



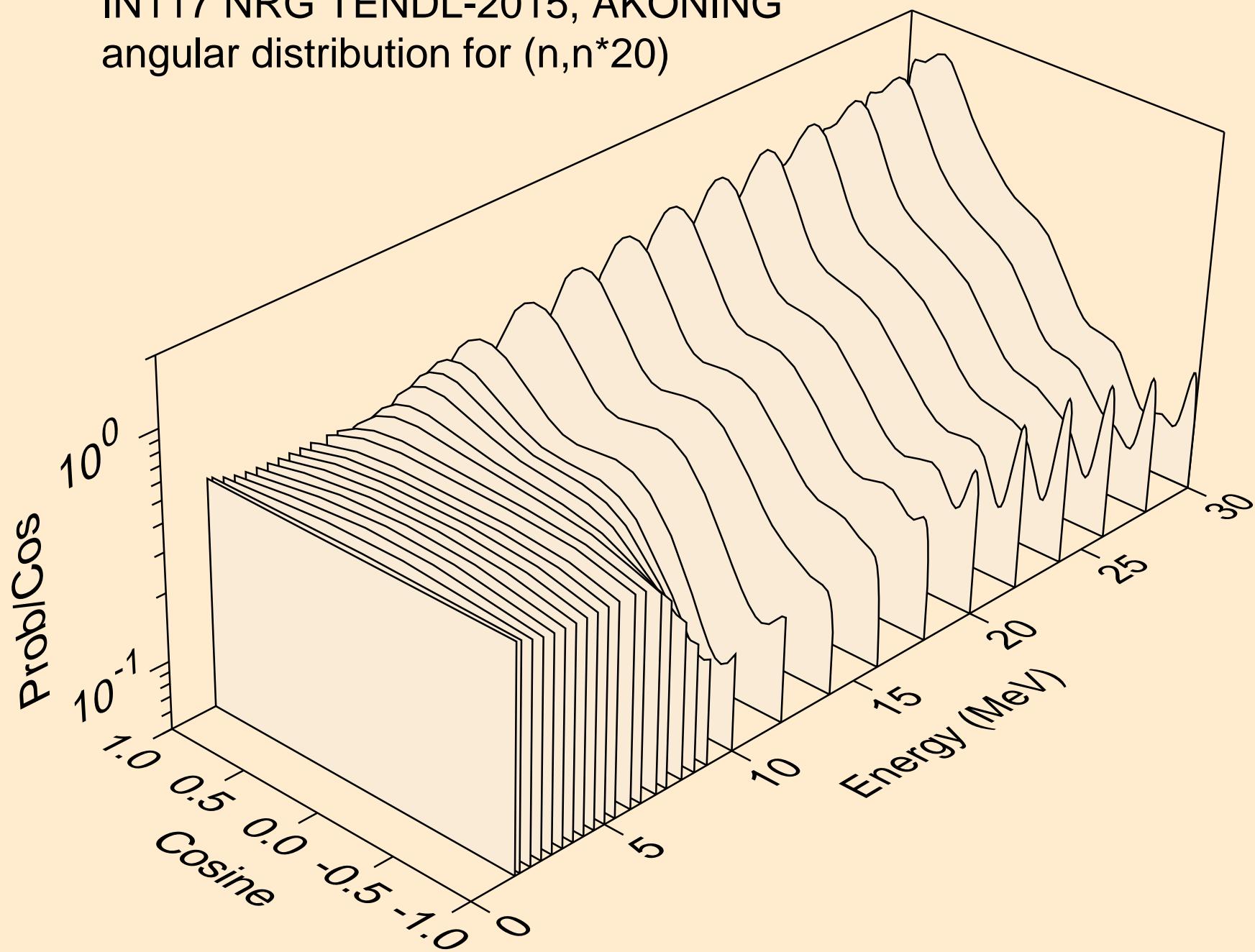
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*18)$



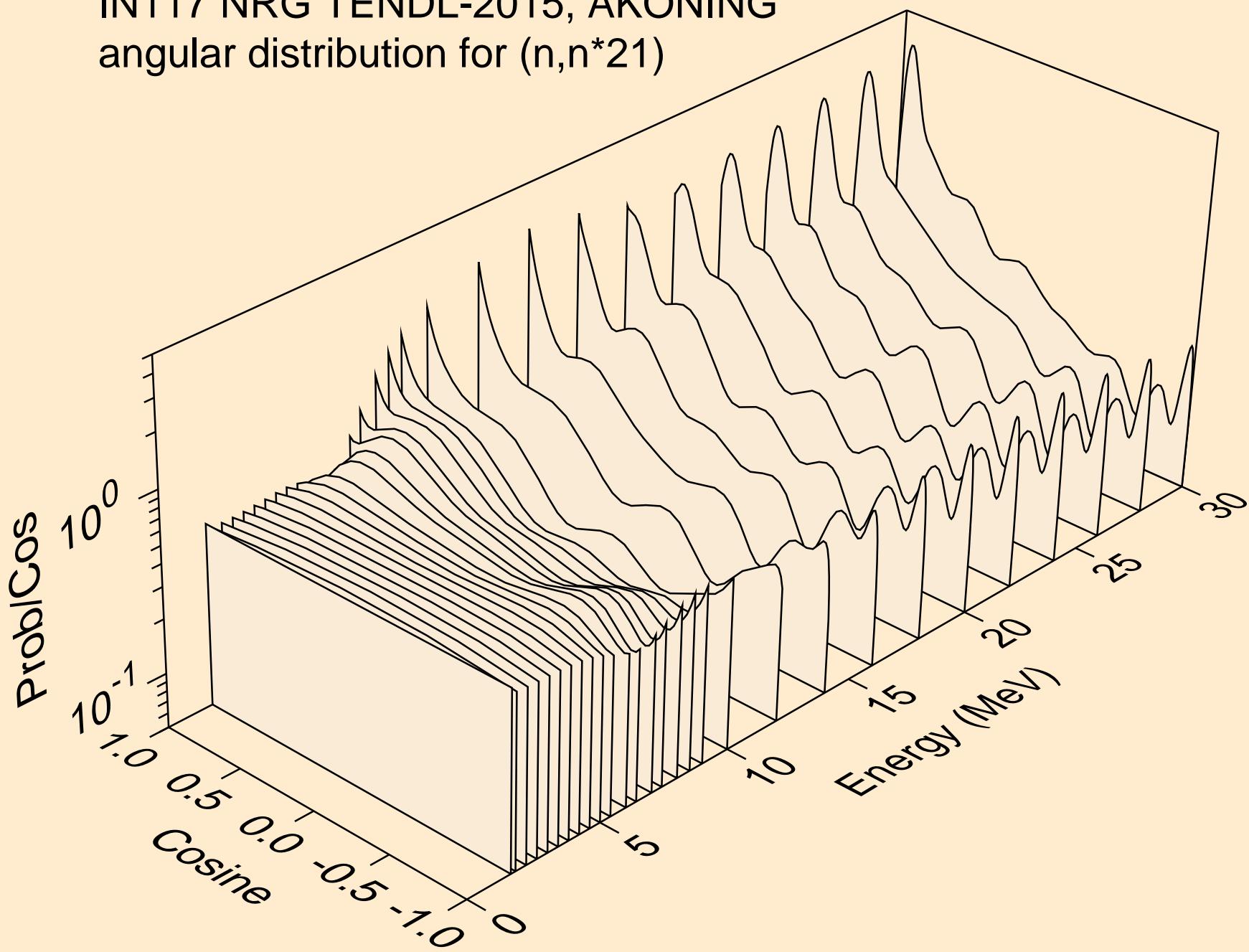
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



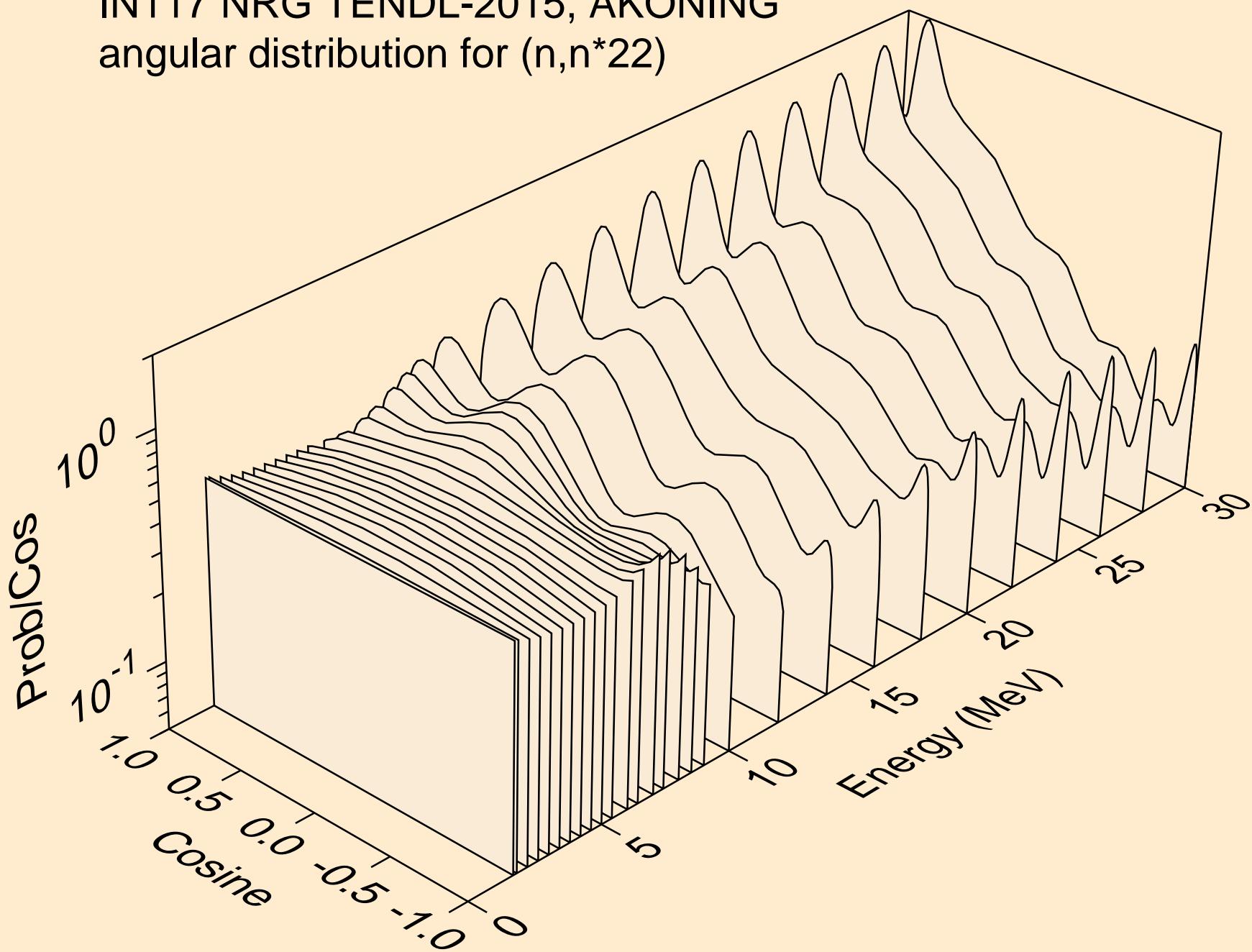
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)20$



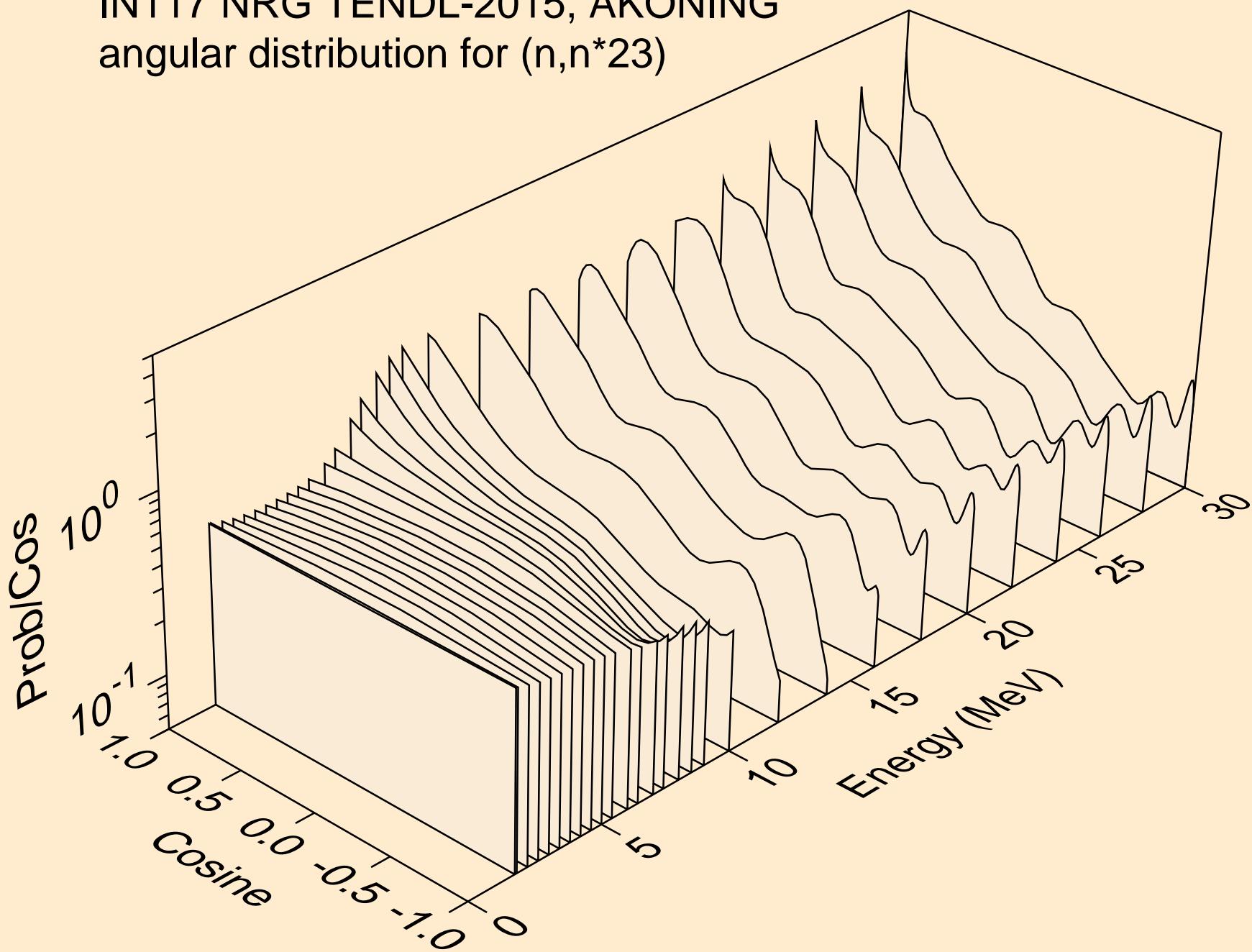
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*21)$



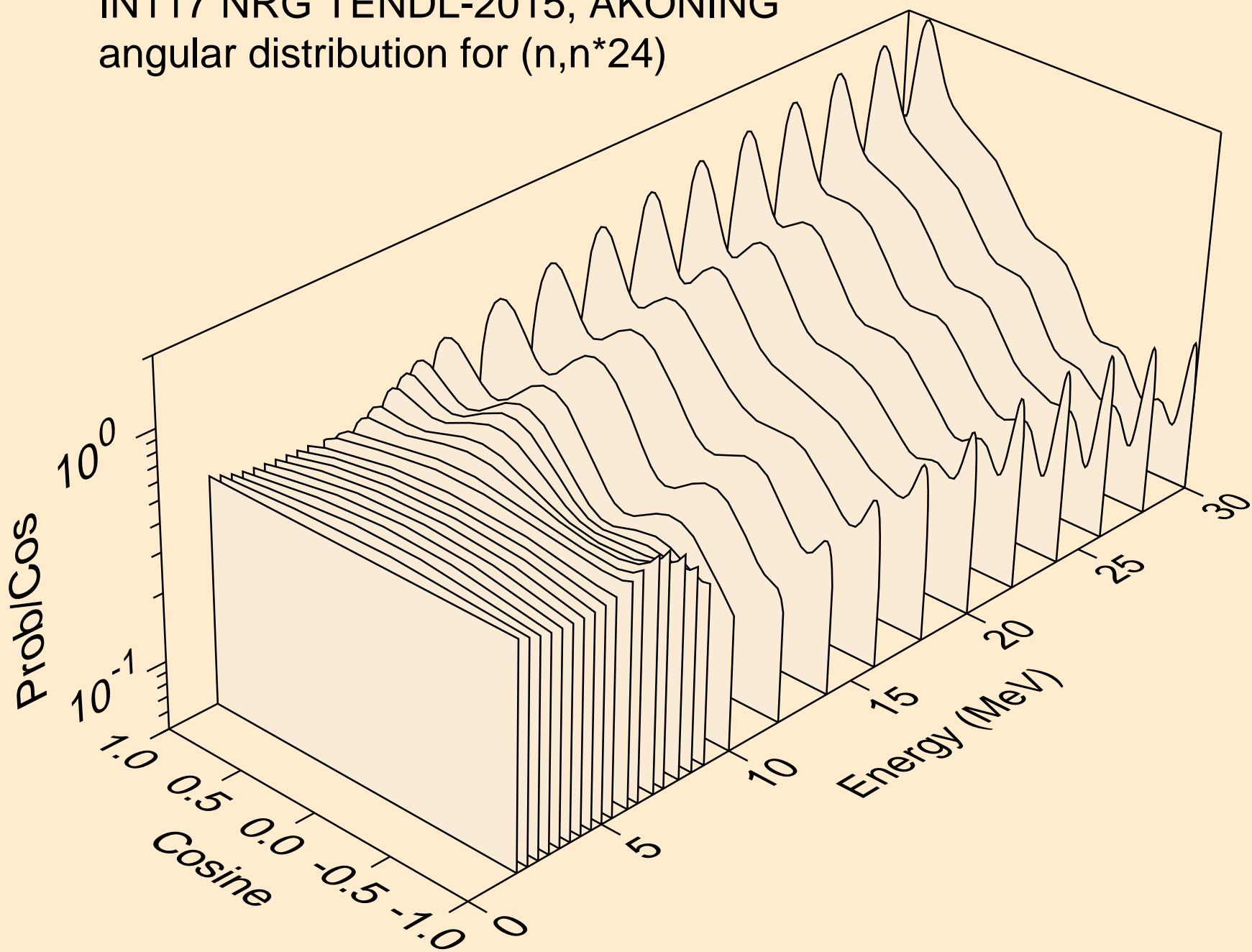
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{22}$



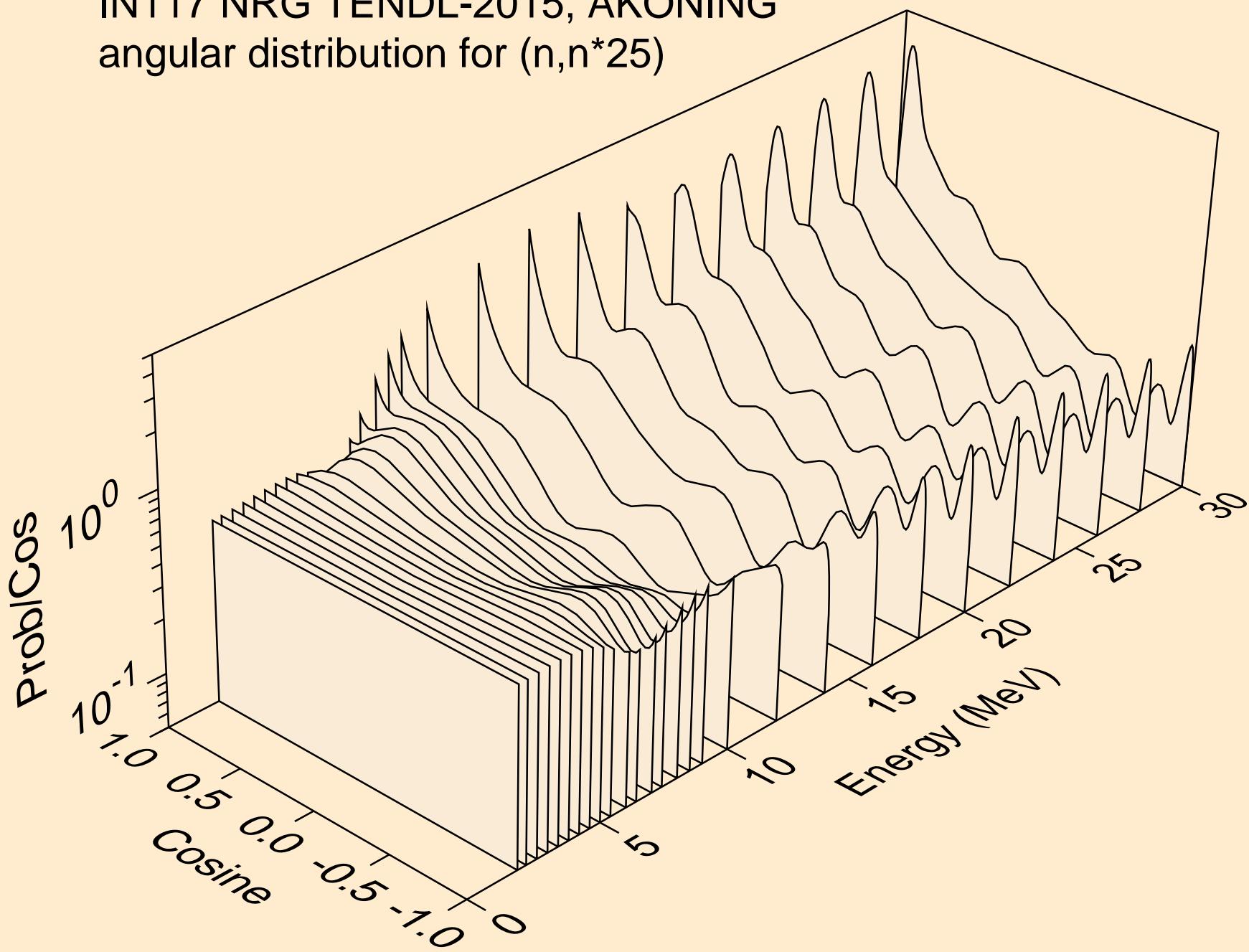
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*23)$



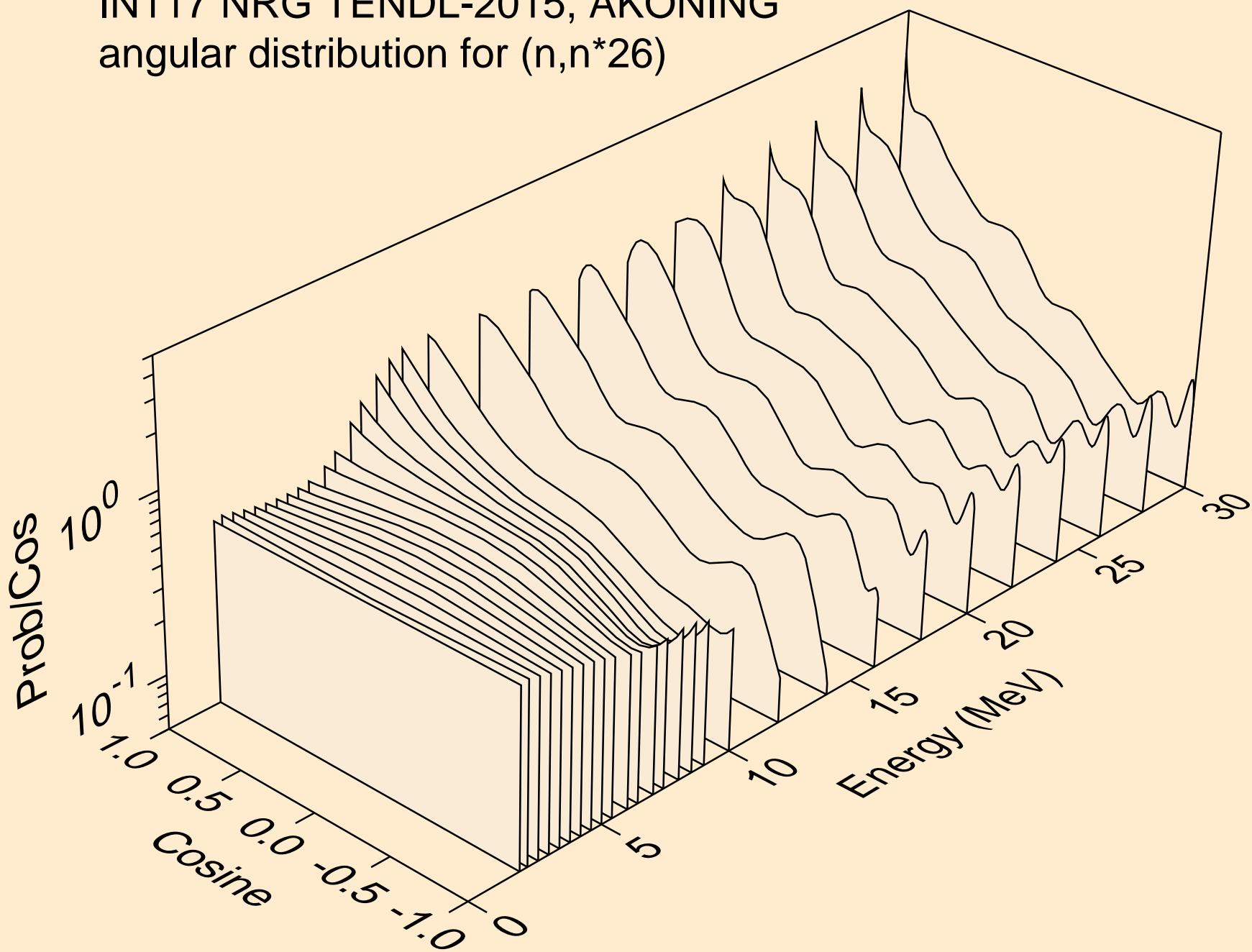
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{24}$



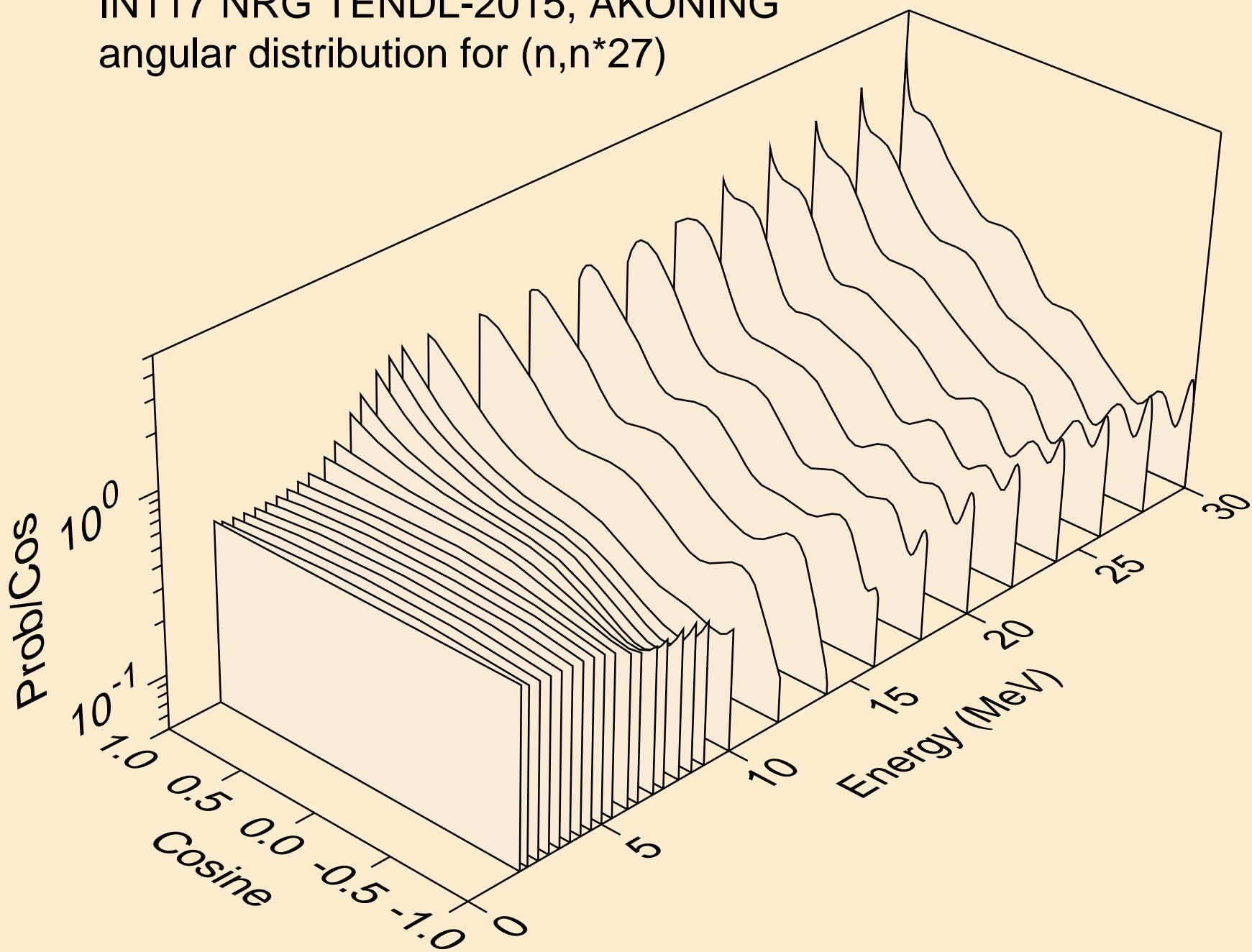
IN117 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



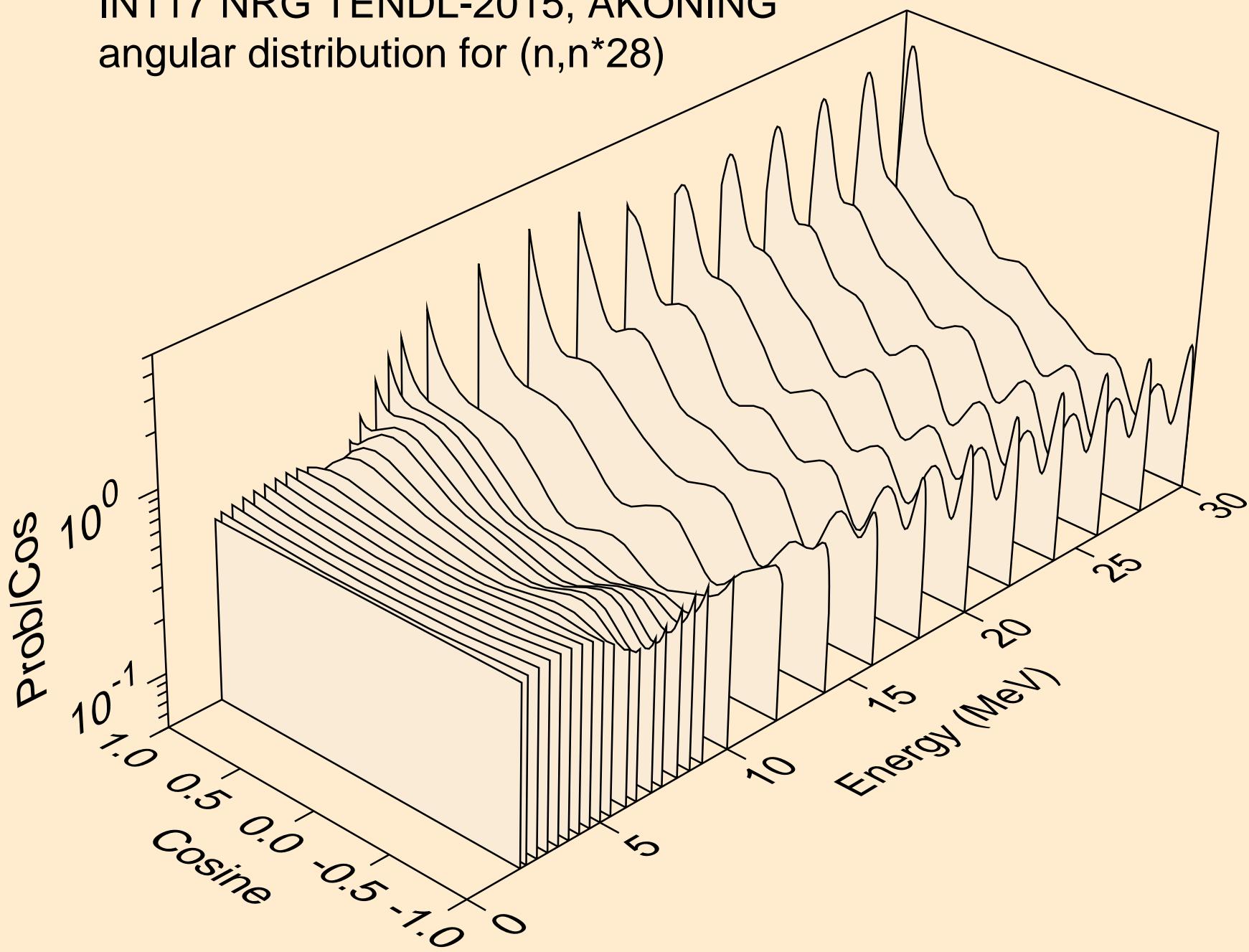
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{26}$



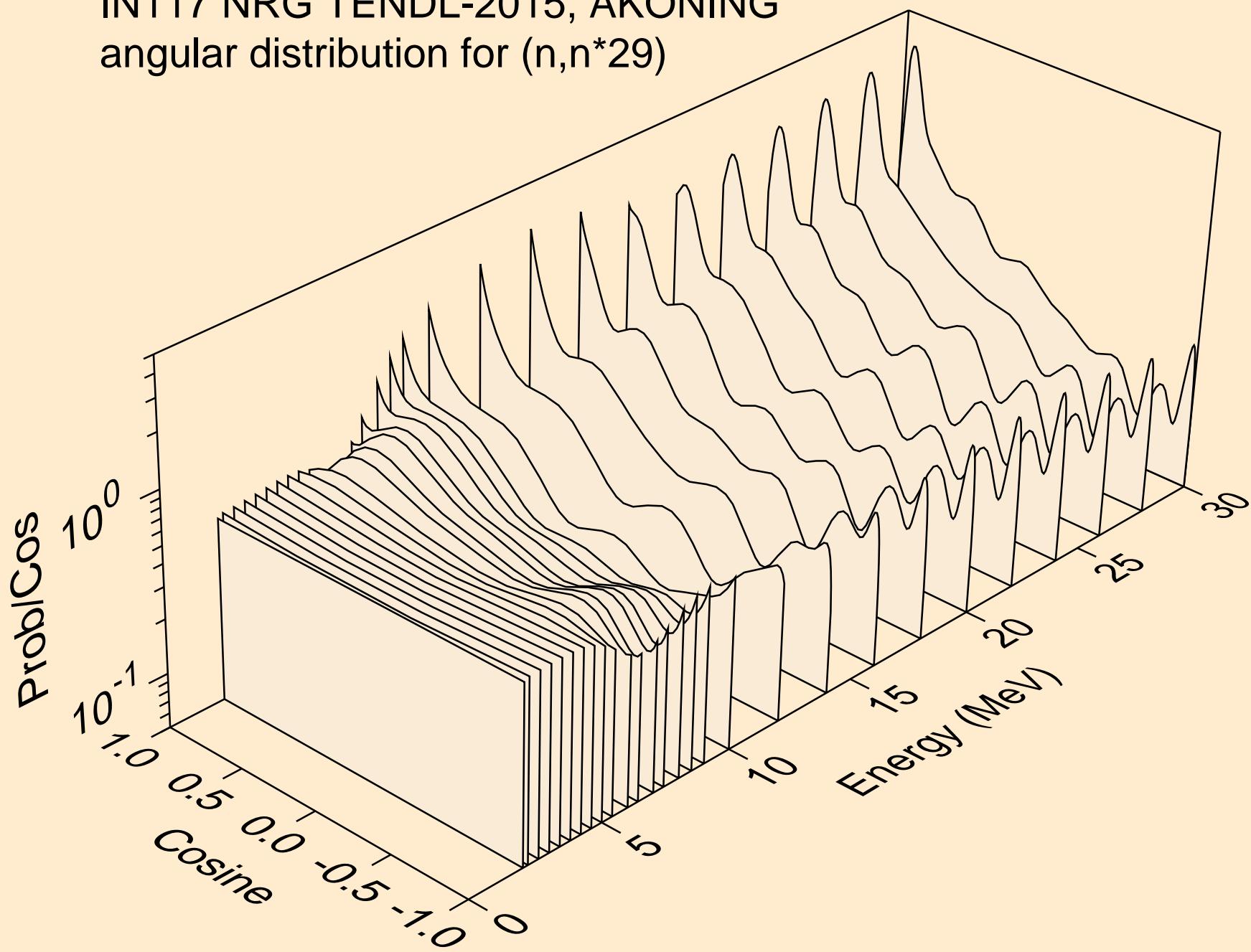
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*27)$



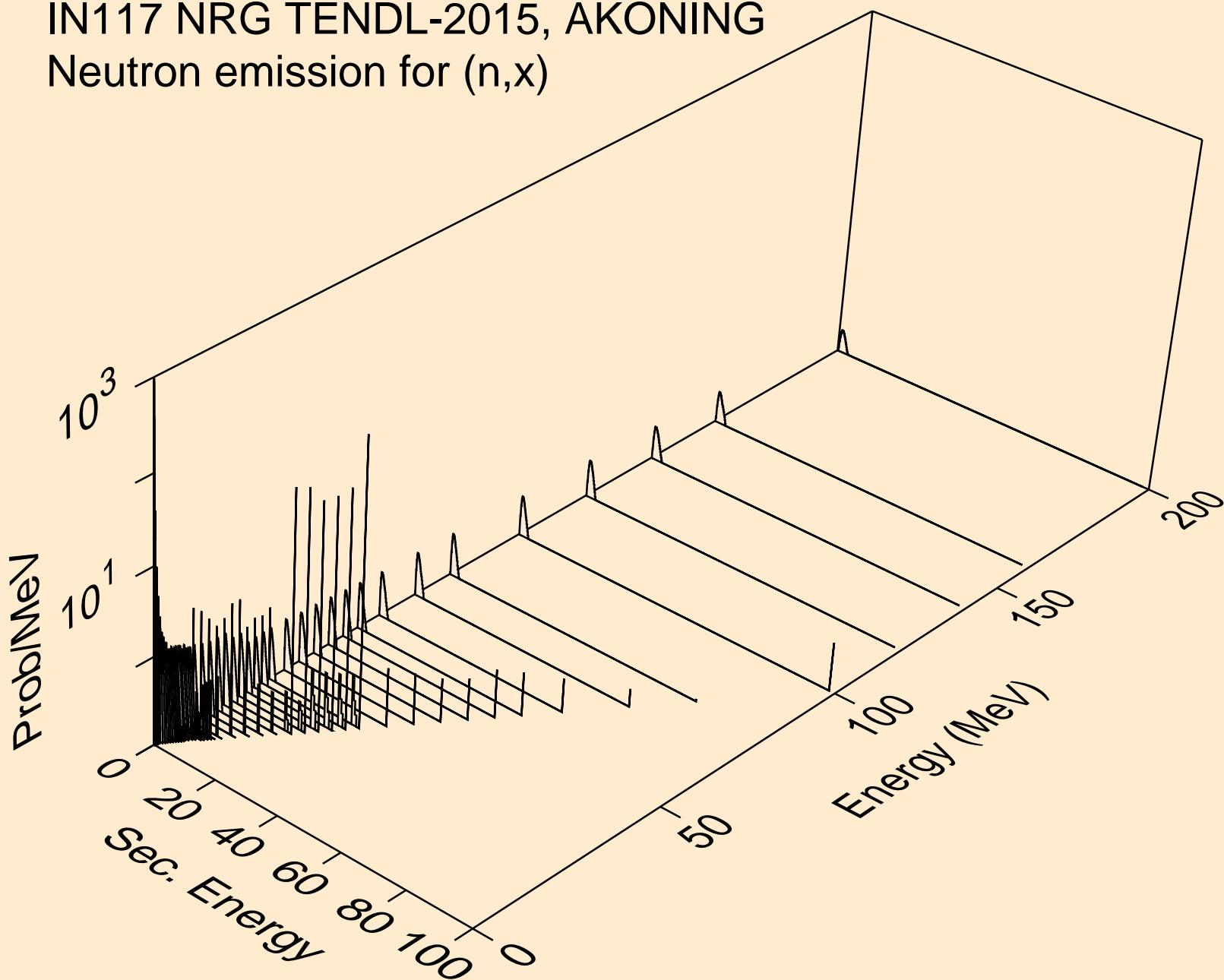
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*{}^{28})$



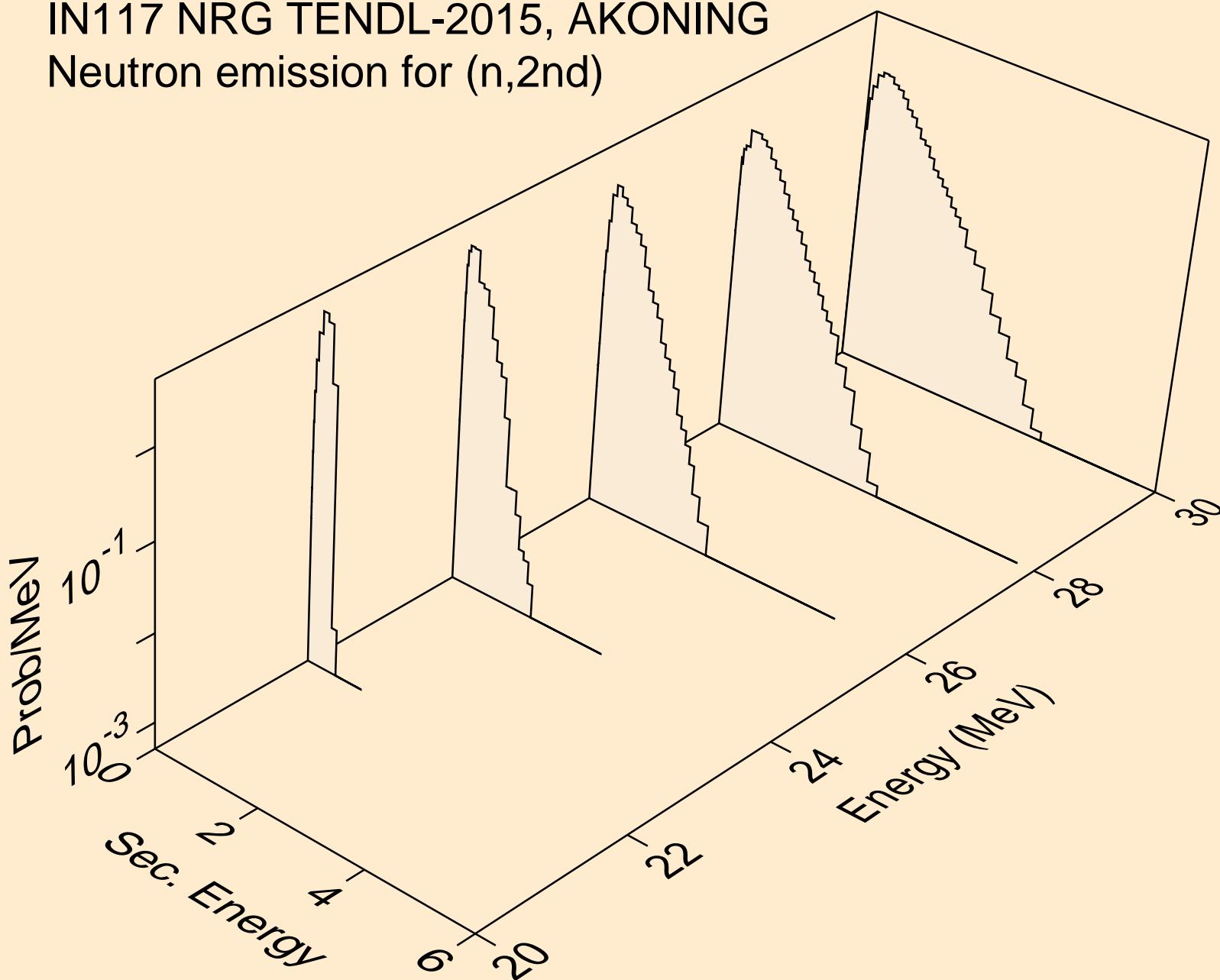
IN117 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*29)$



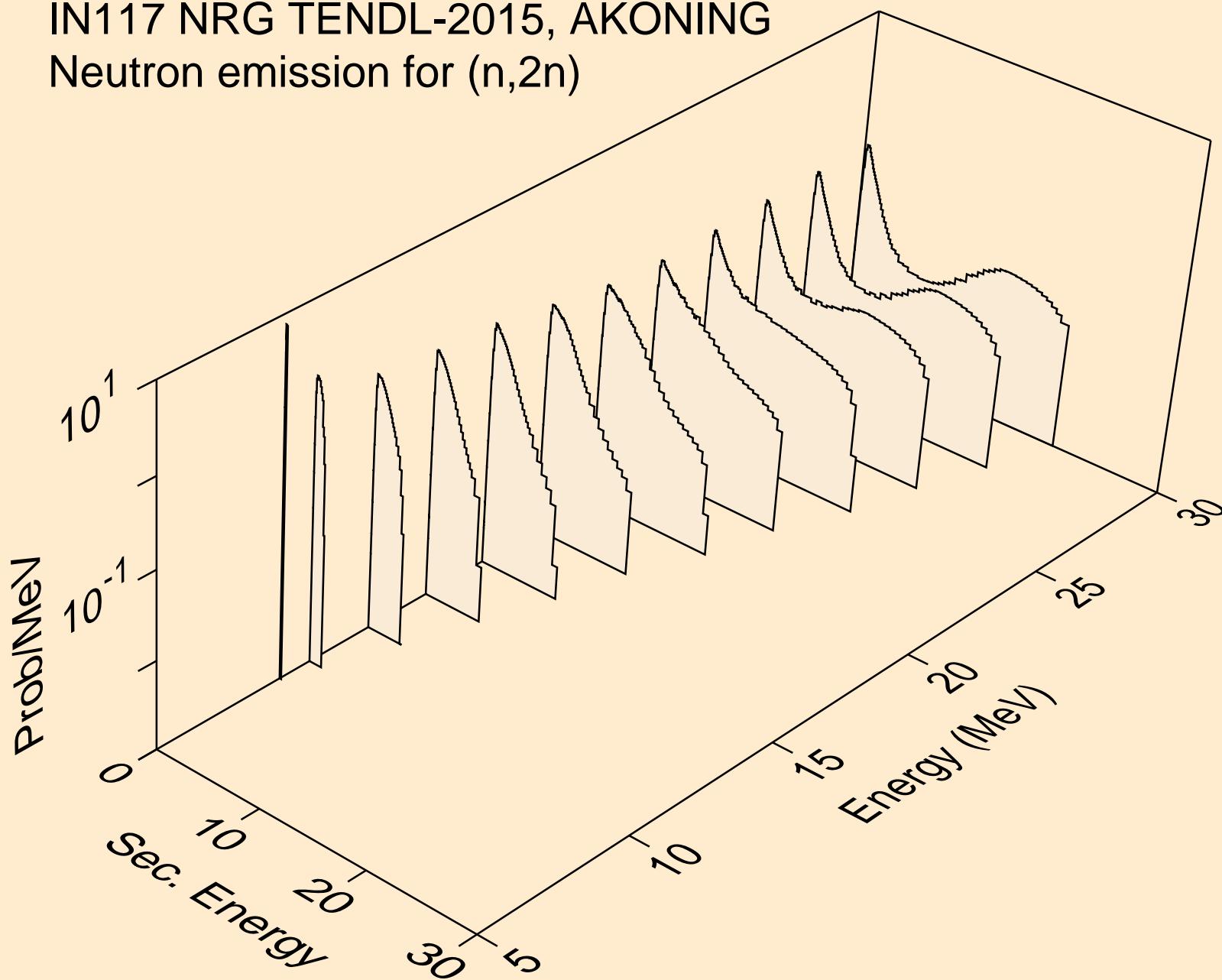
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



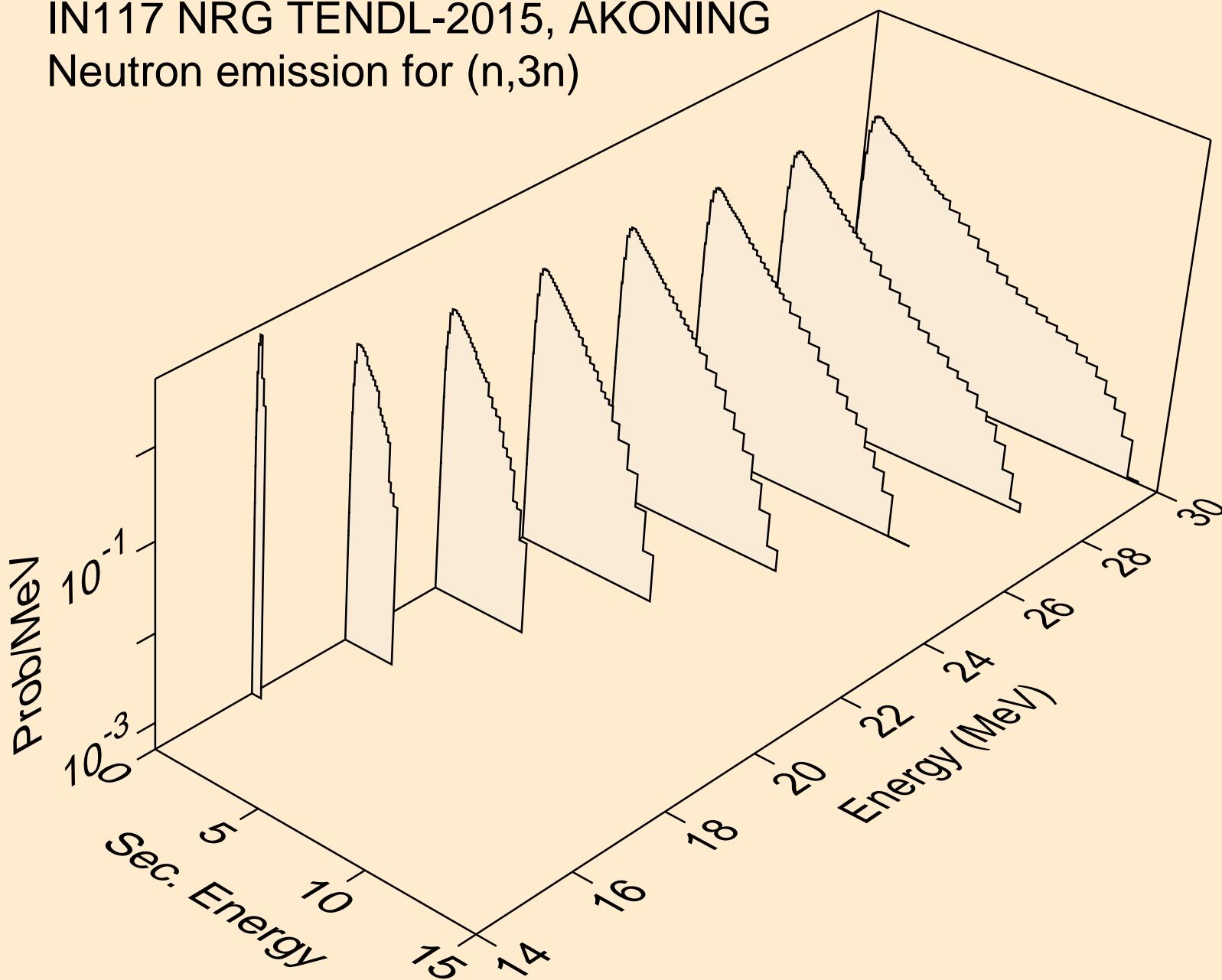
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



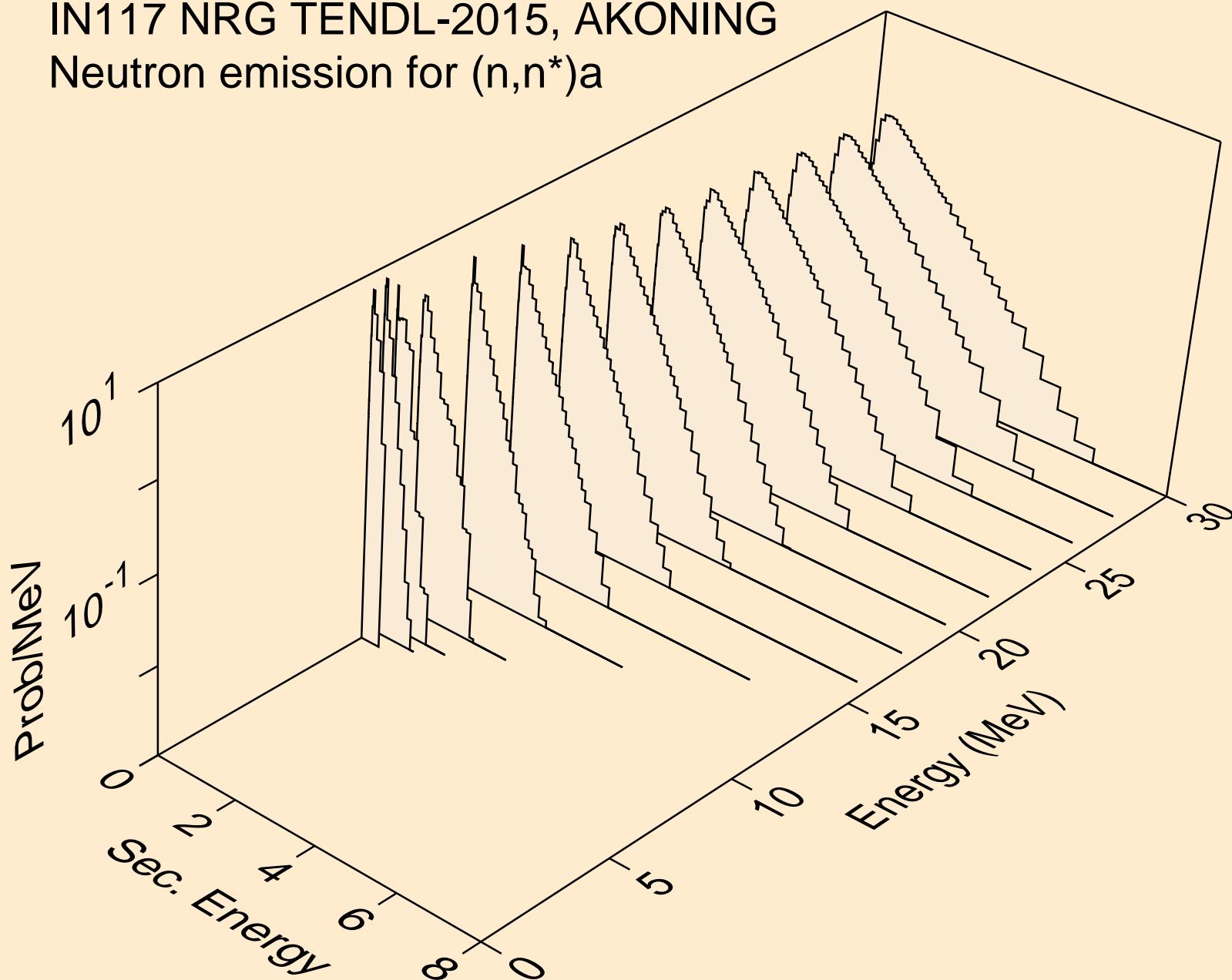
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



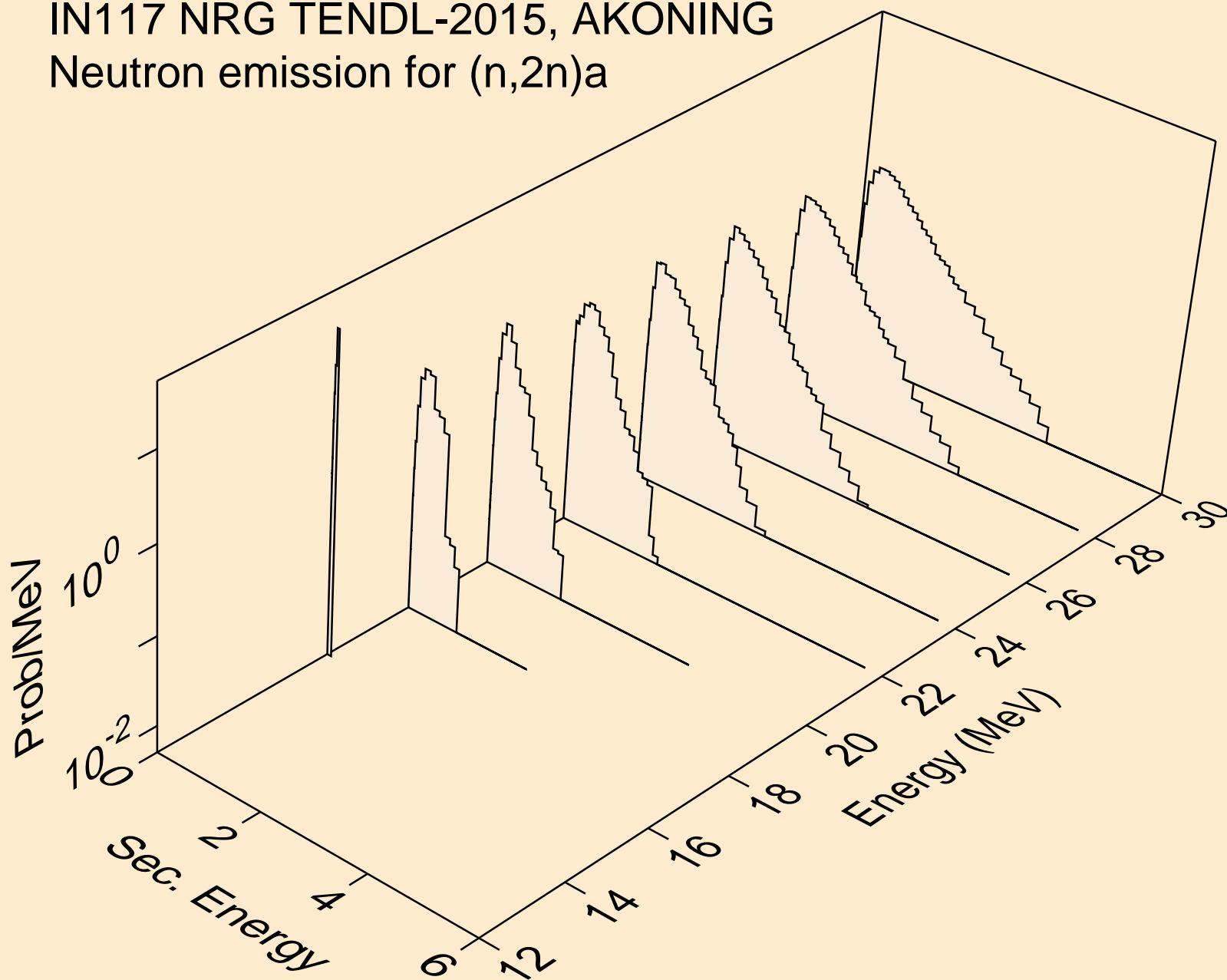
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



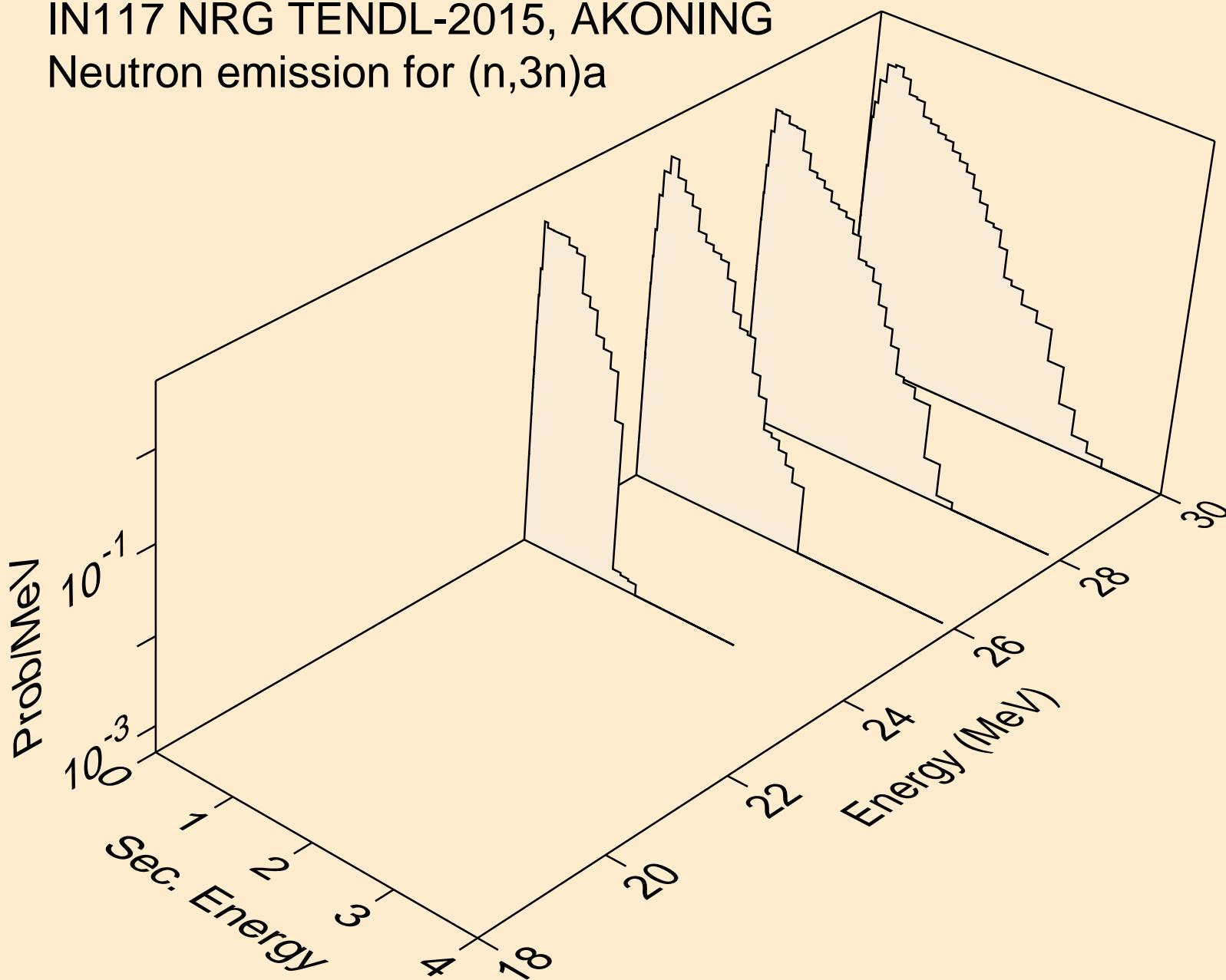
IN117 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



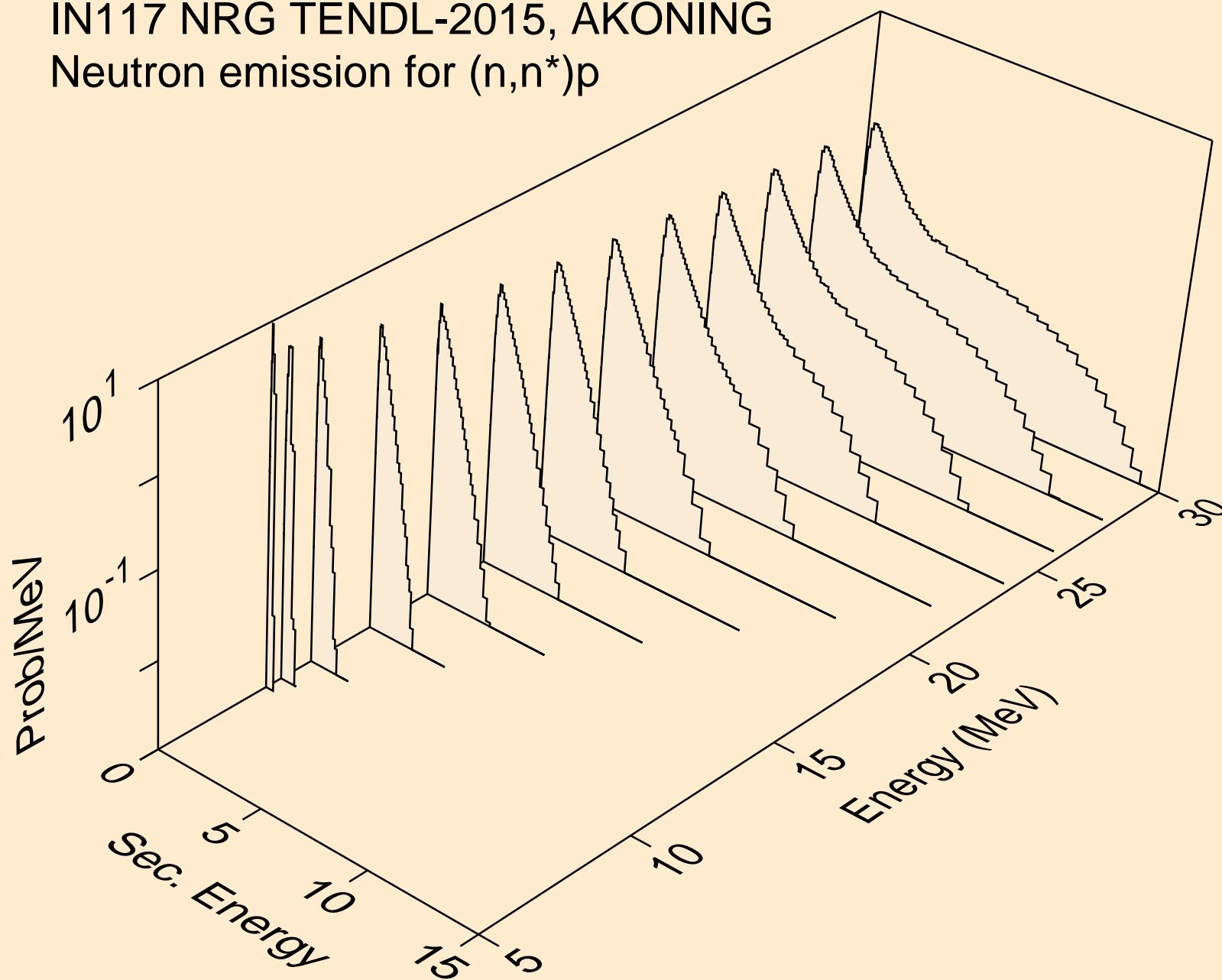
IN117 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



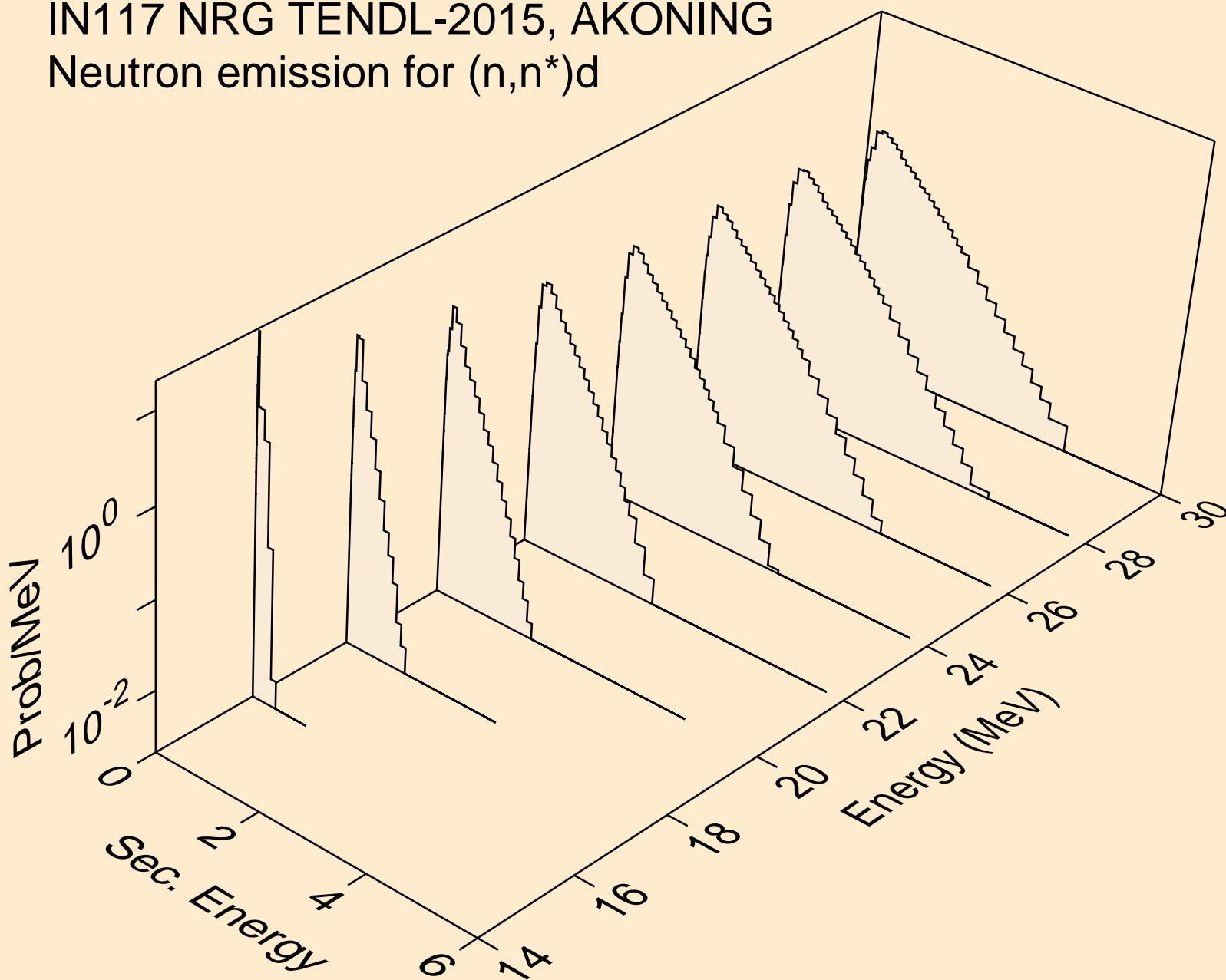
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



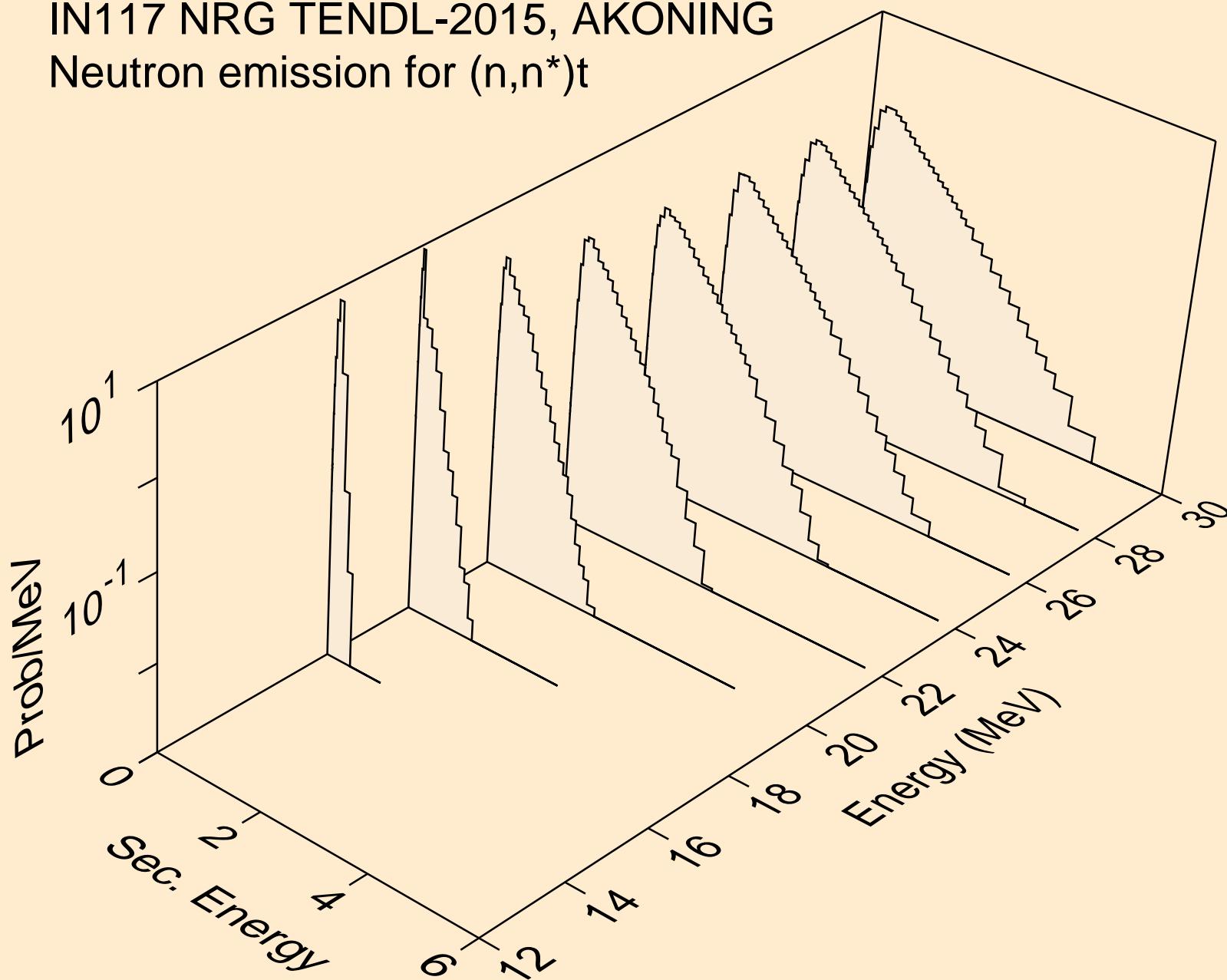
IN117 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



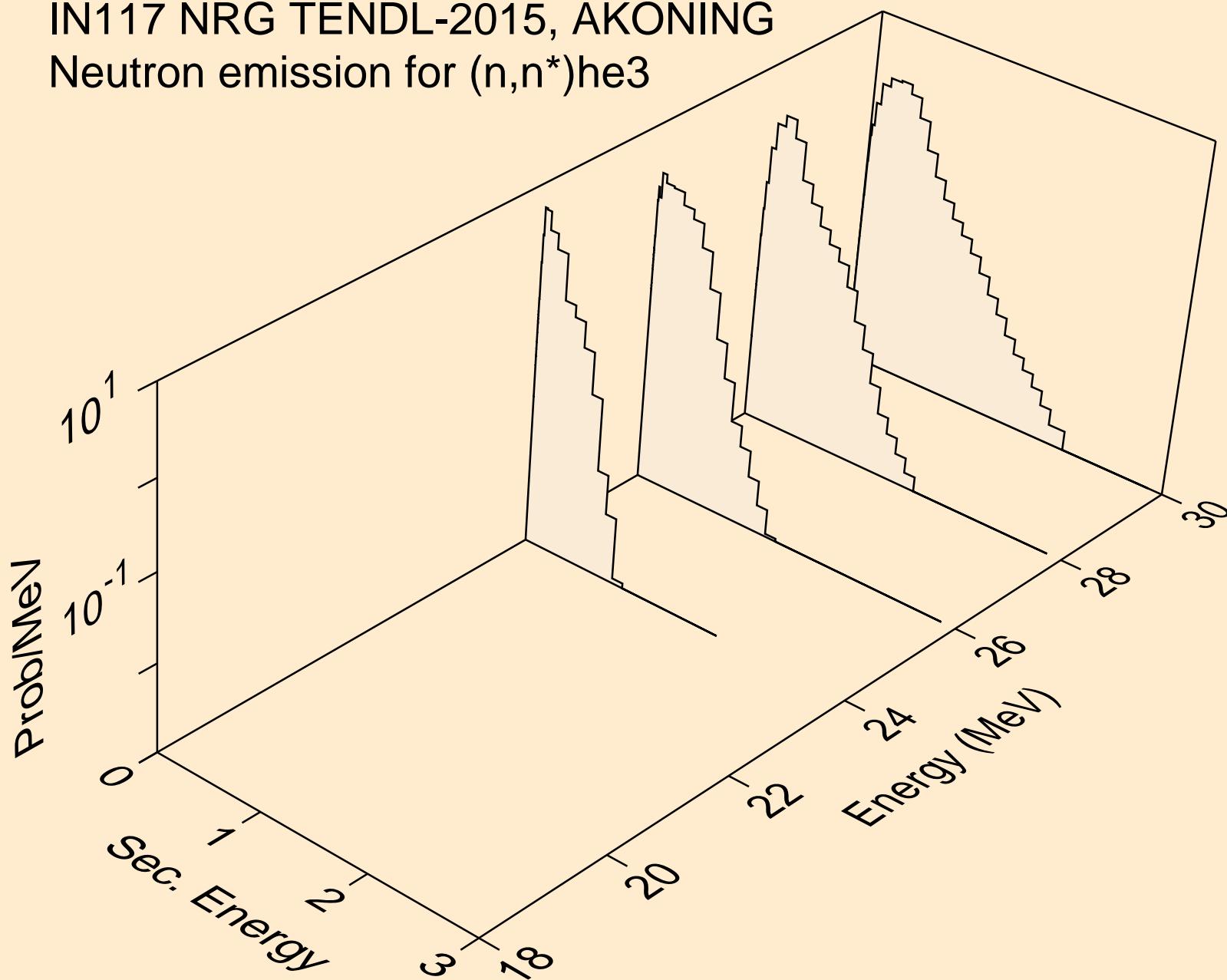
IN117 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



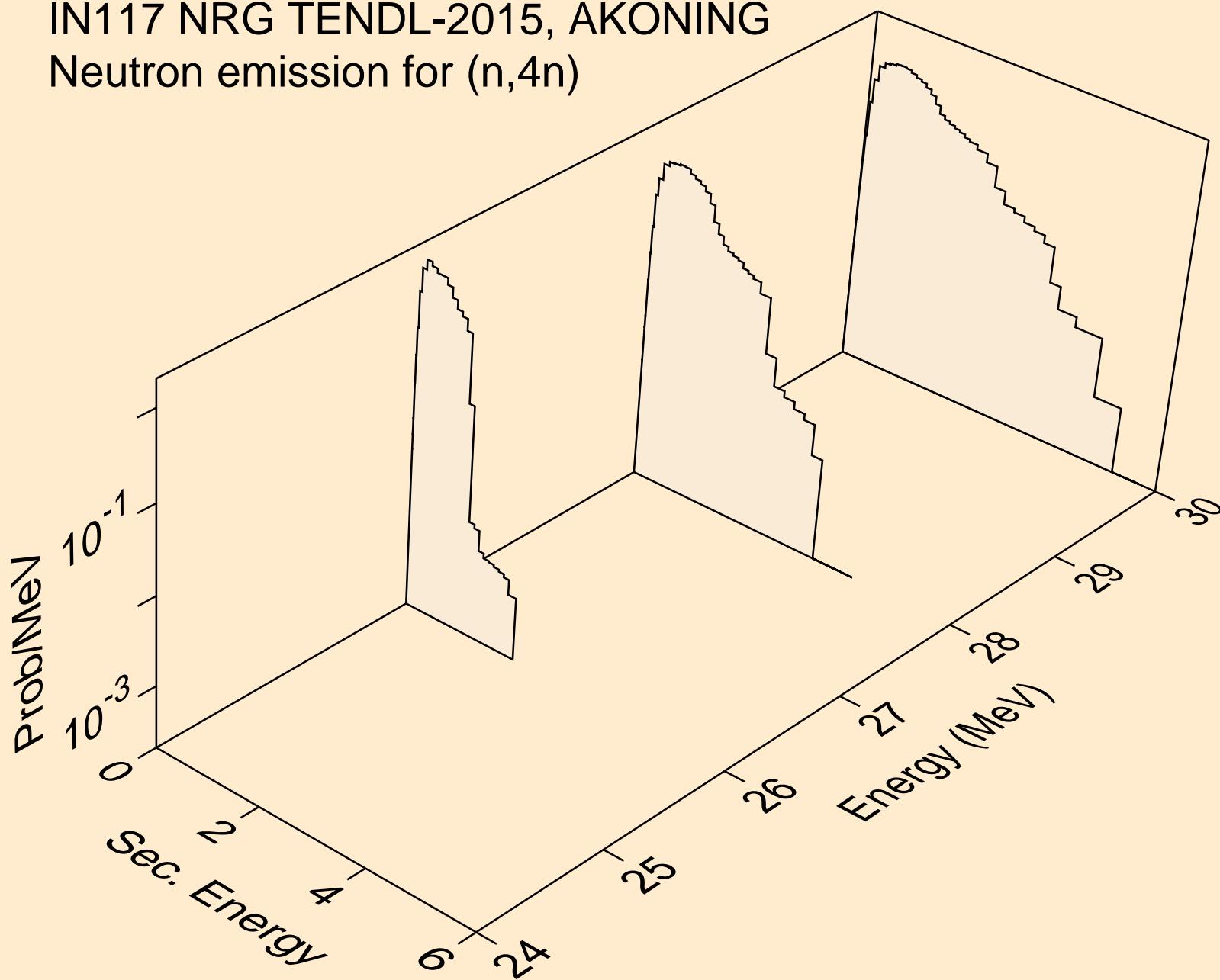
IN117 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



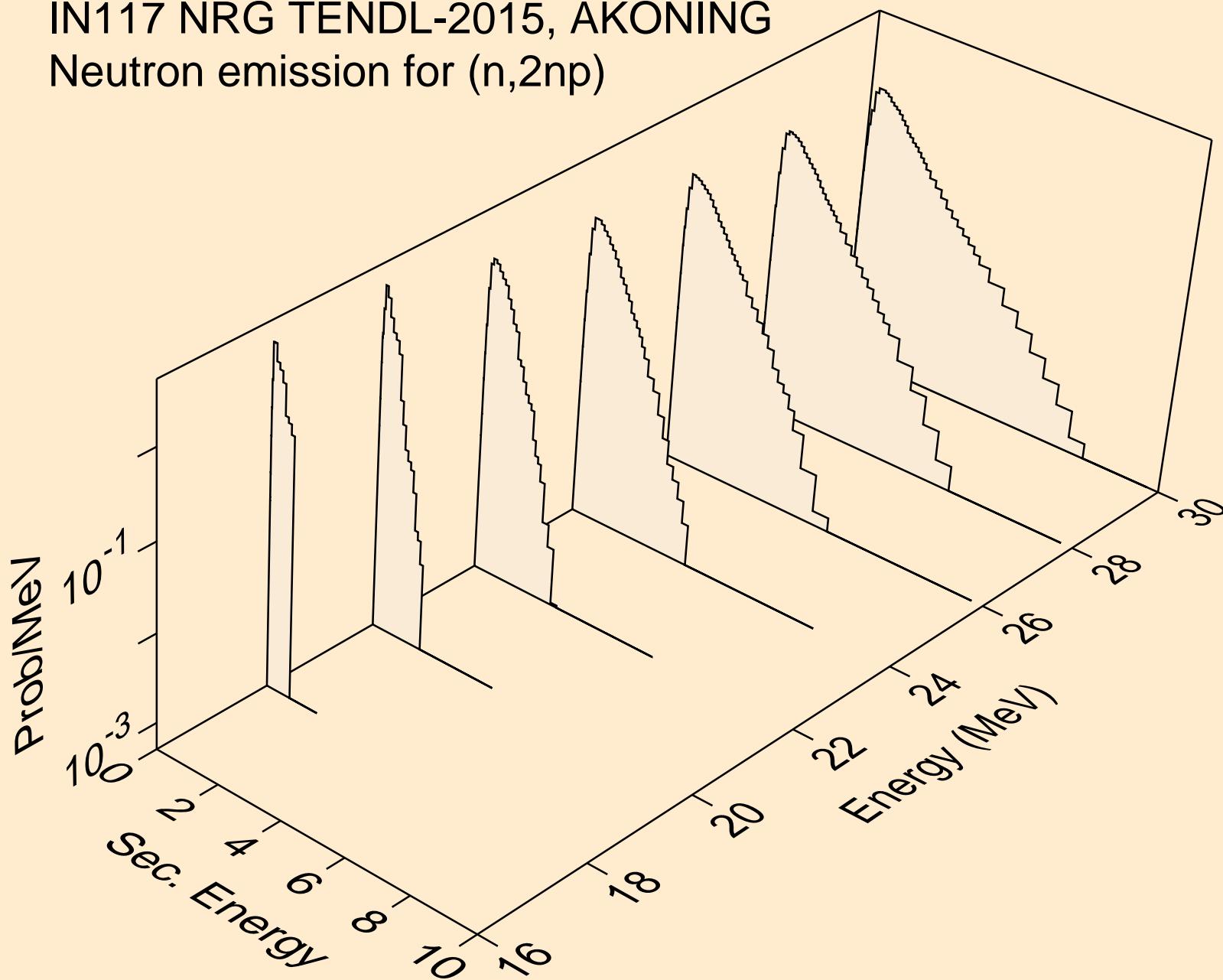
IN117 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



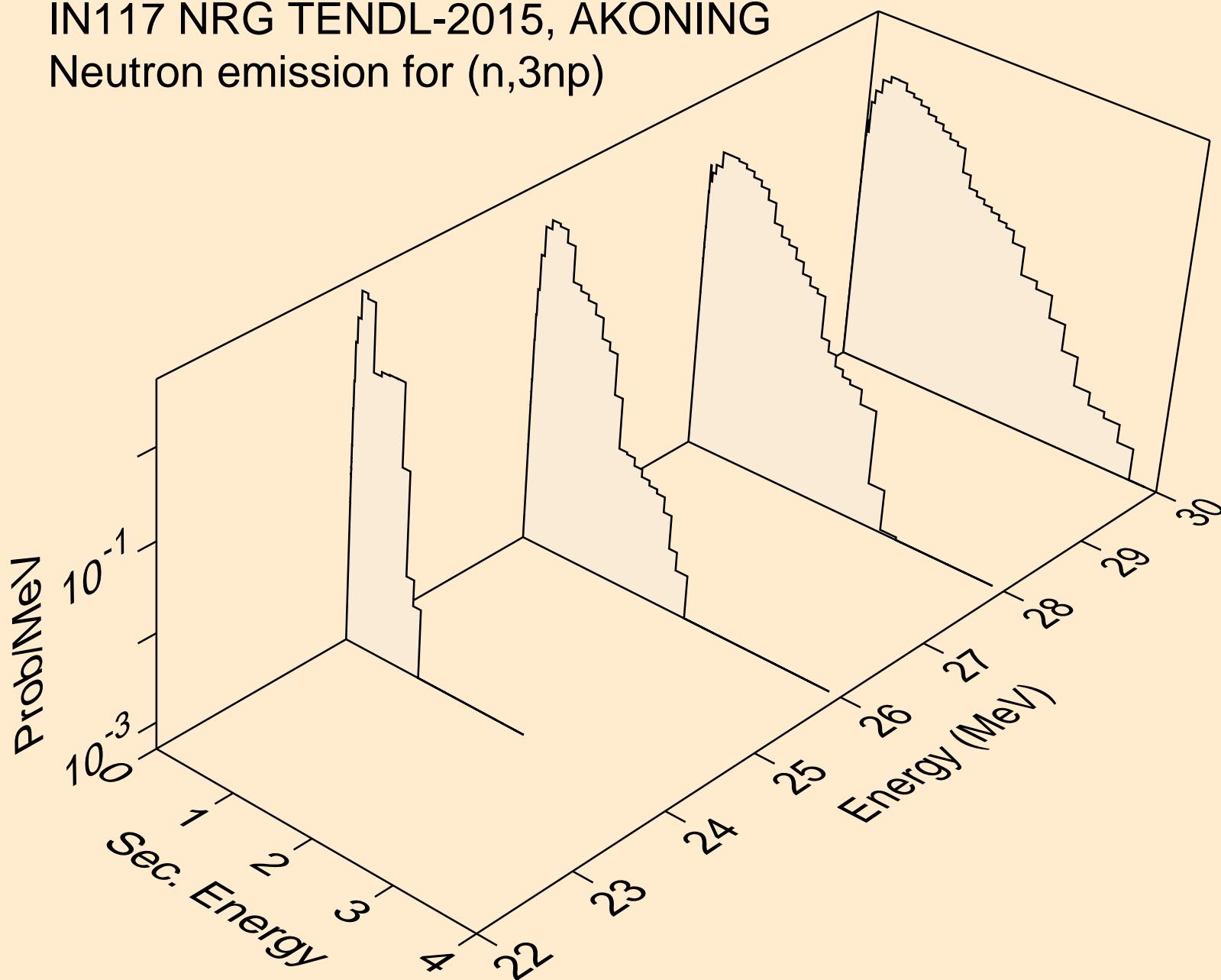
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



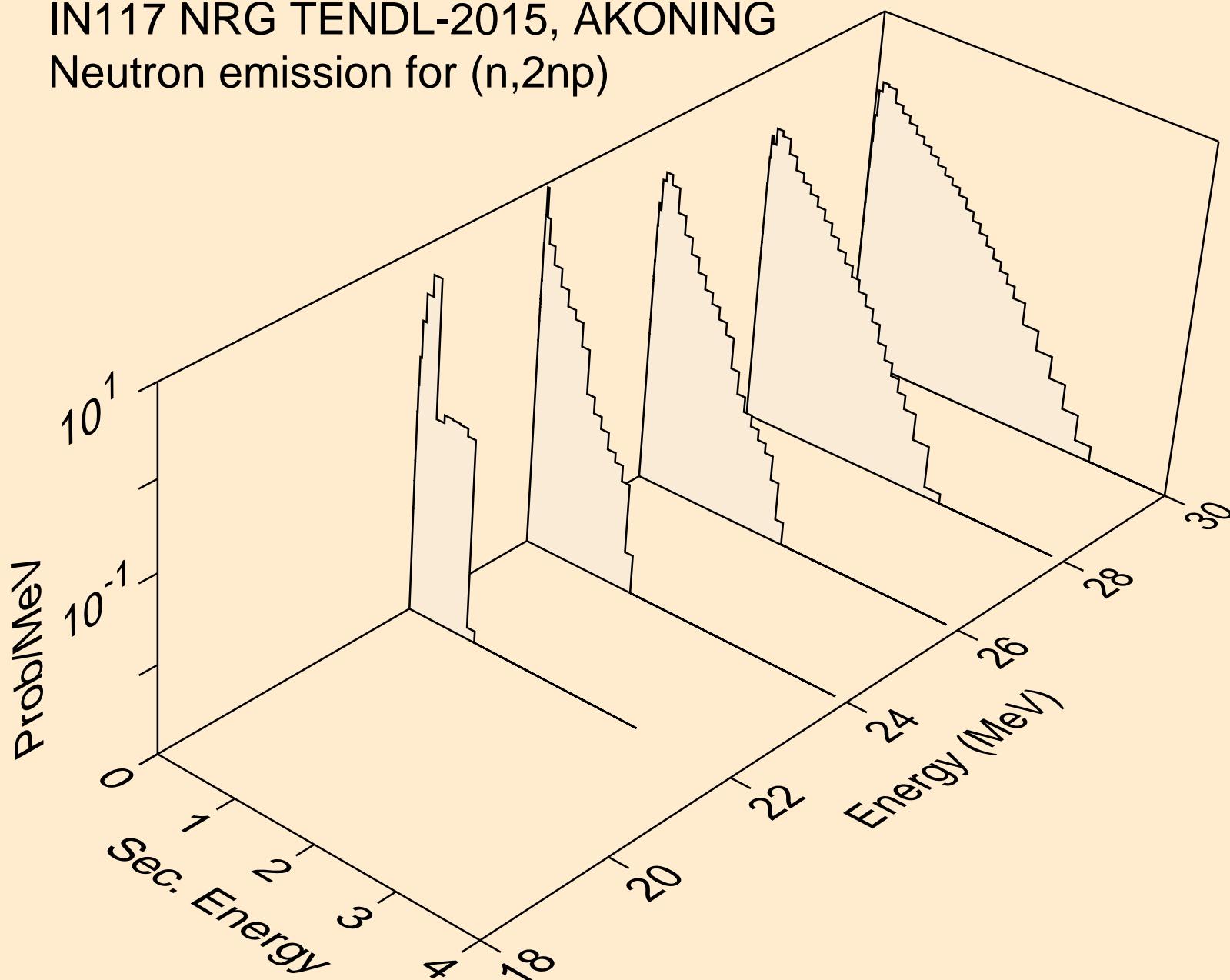
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



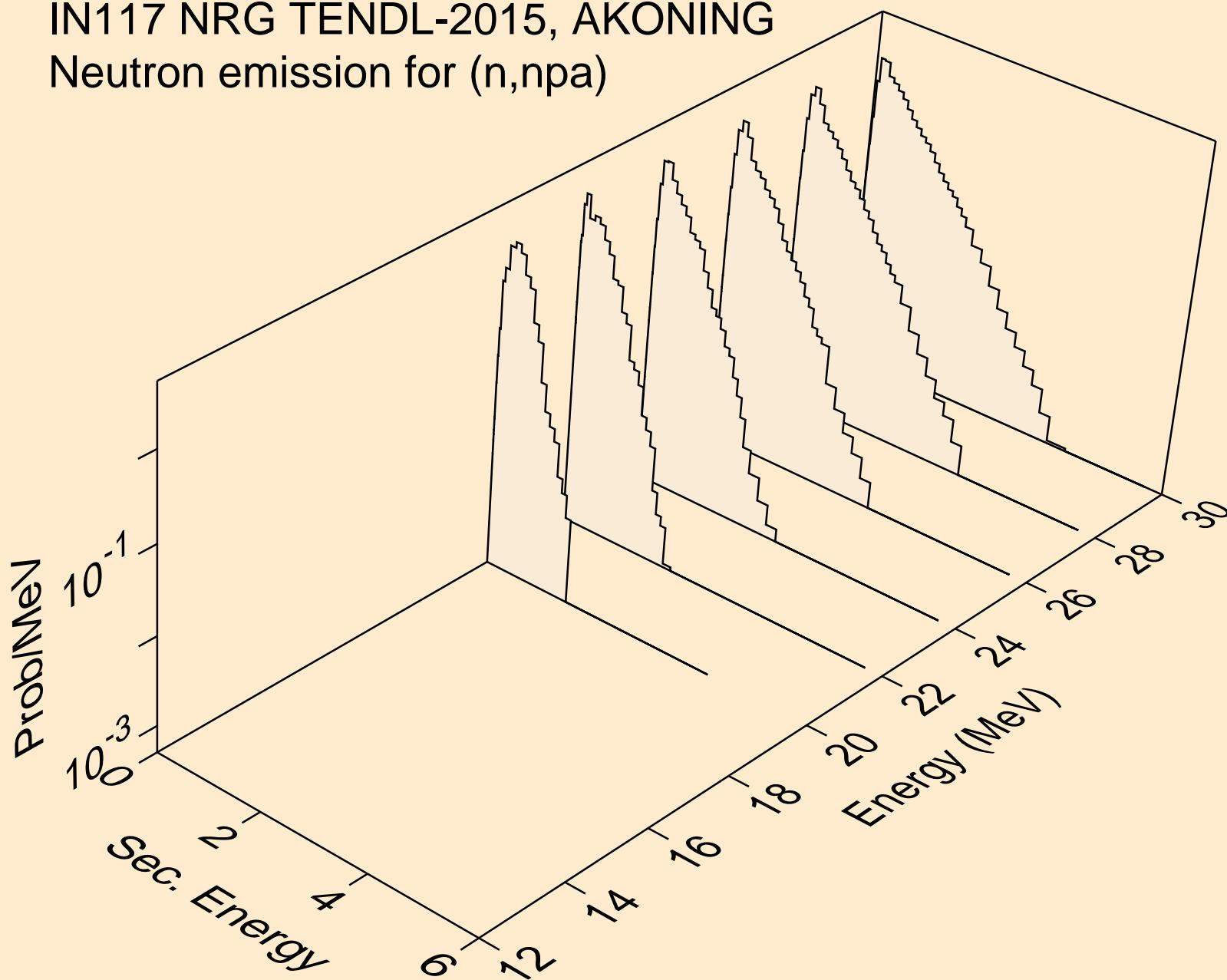
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



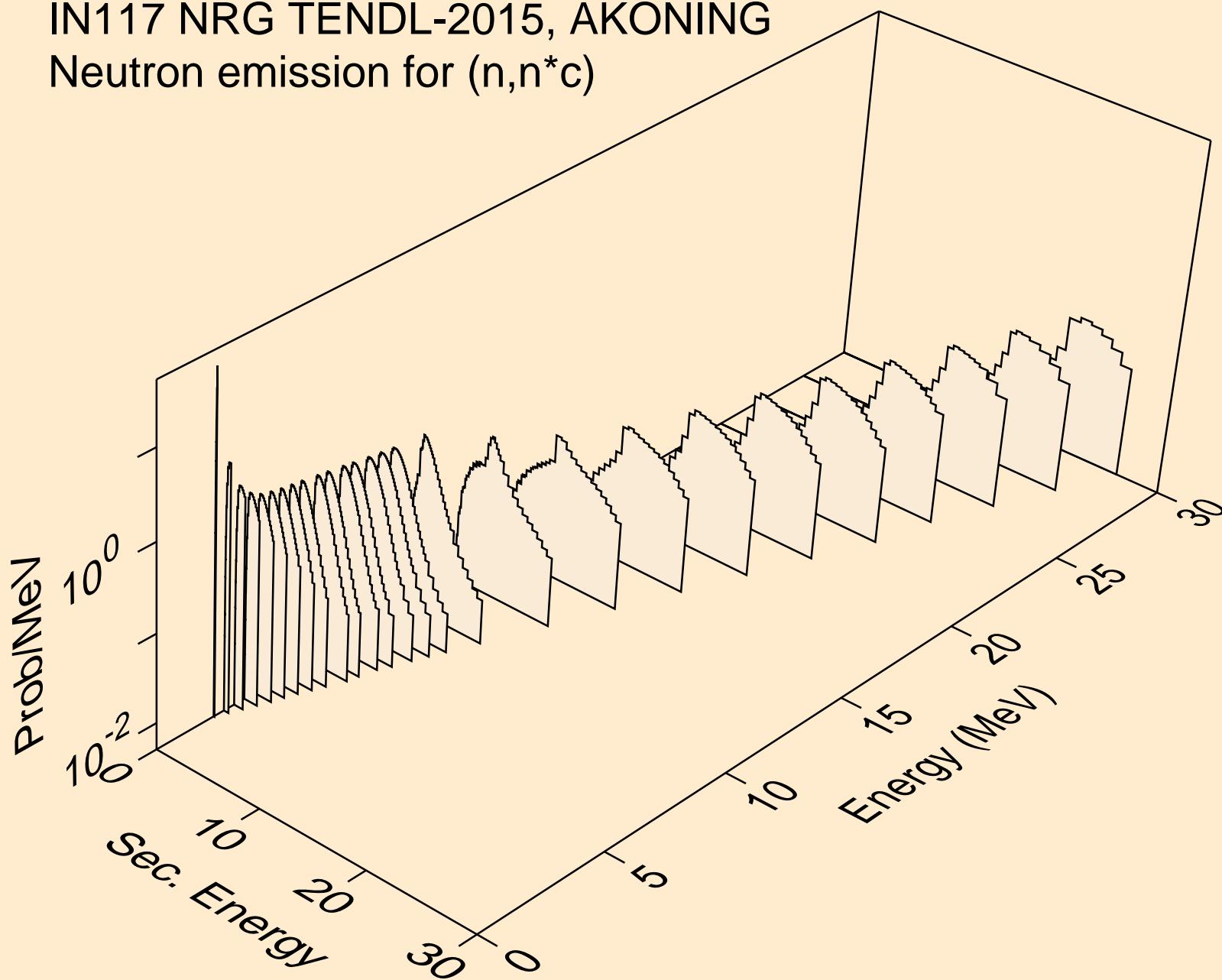
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Neutron emission for (n,2np)



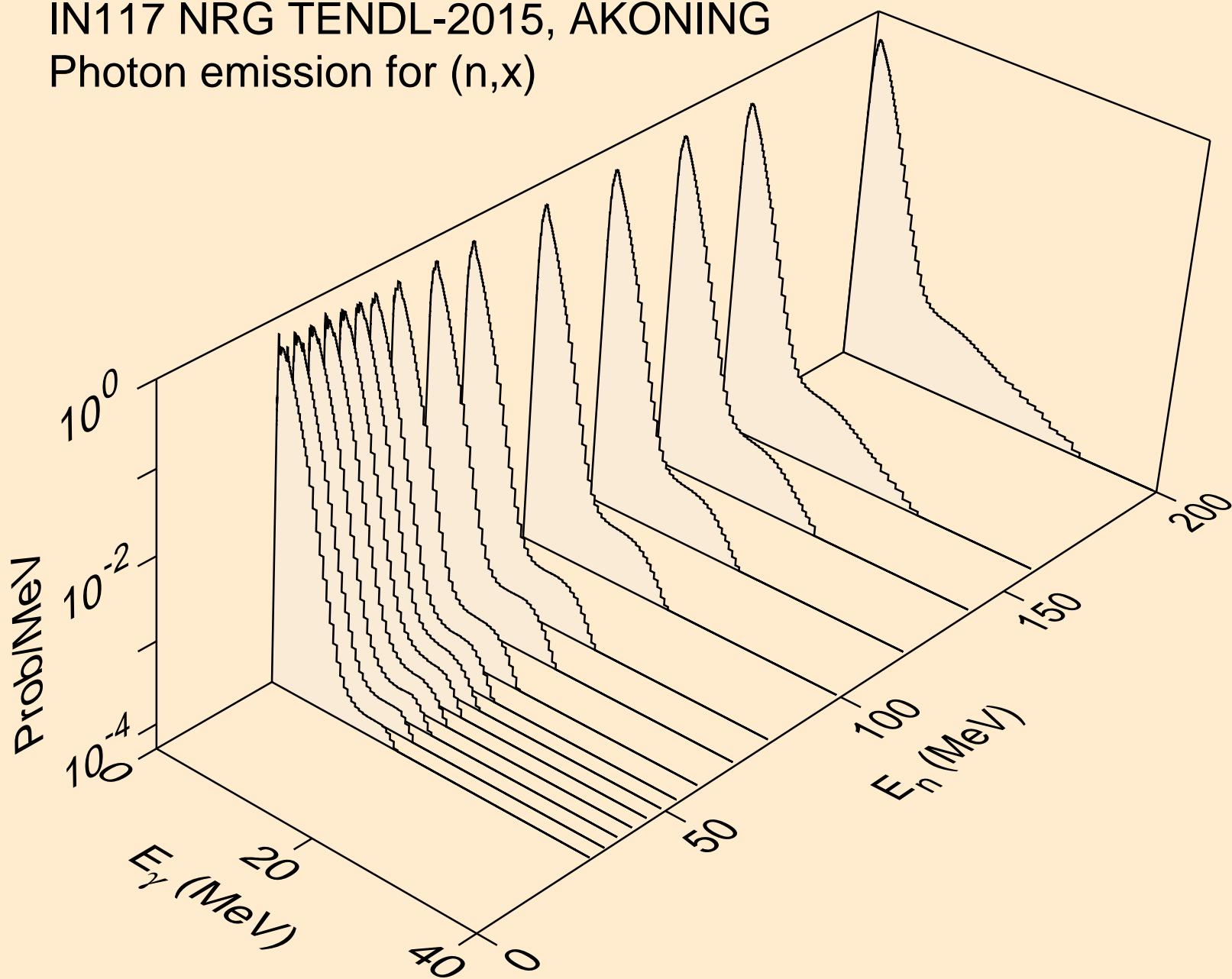
IN117 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



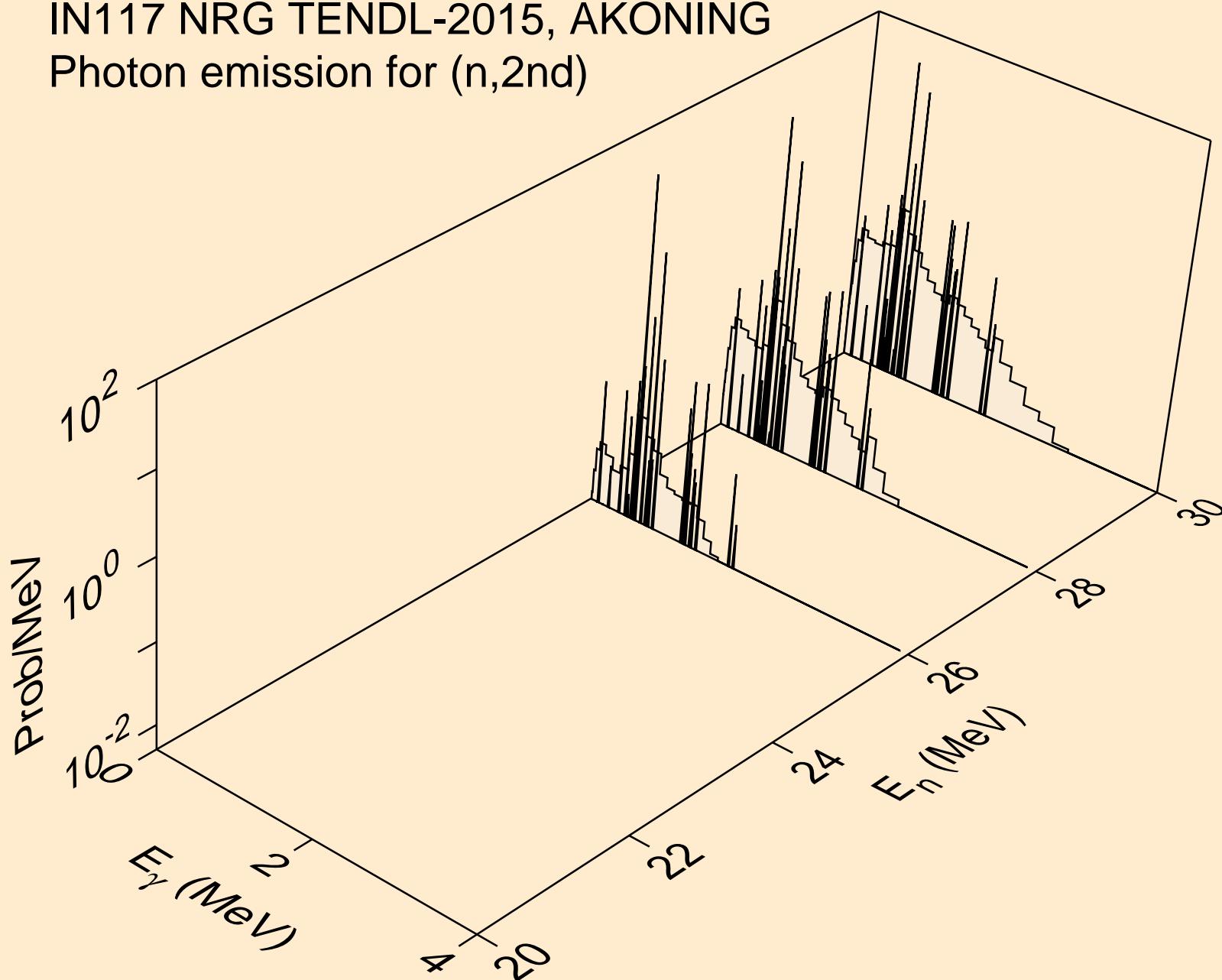
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Neutron emission for (n,n\*c)



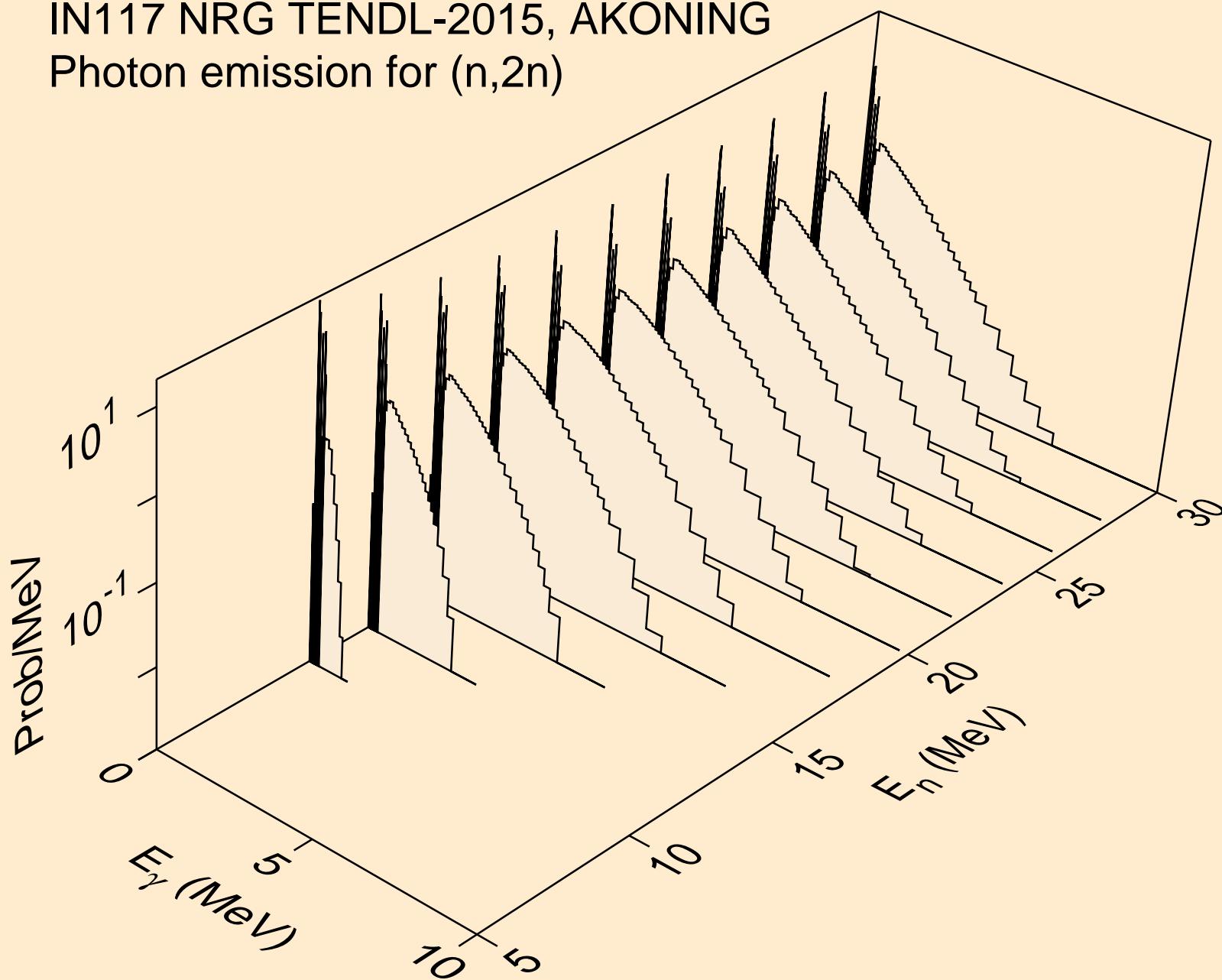
IN117 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



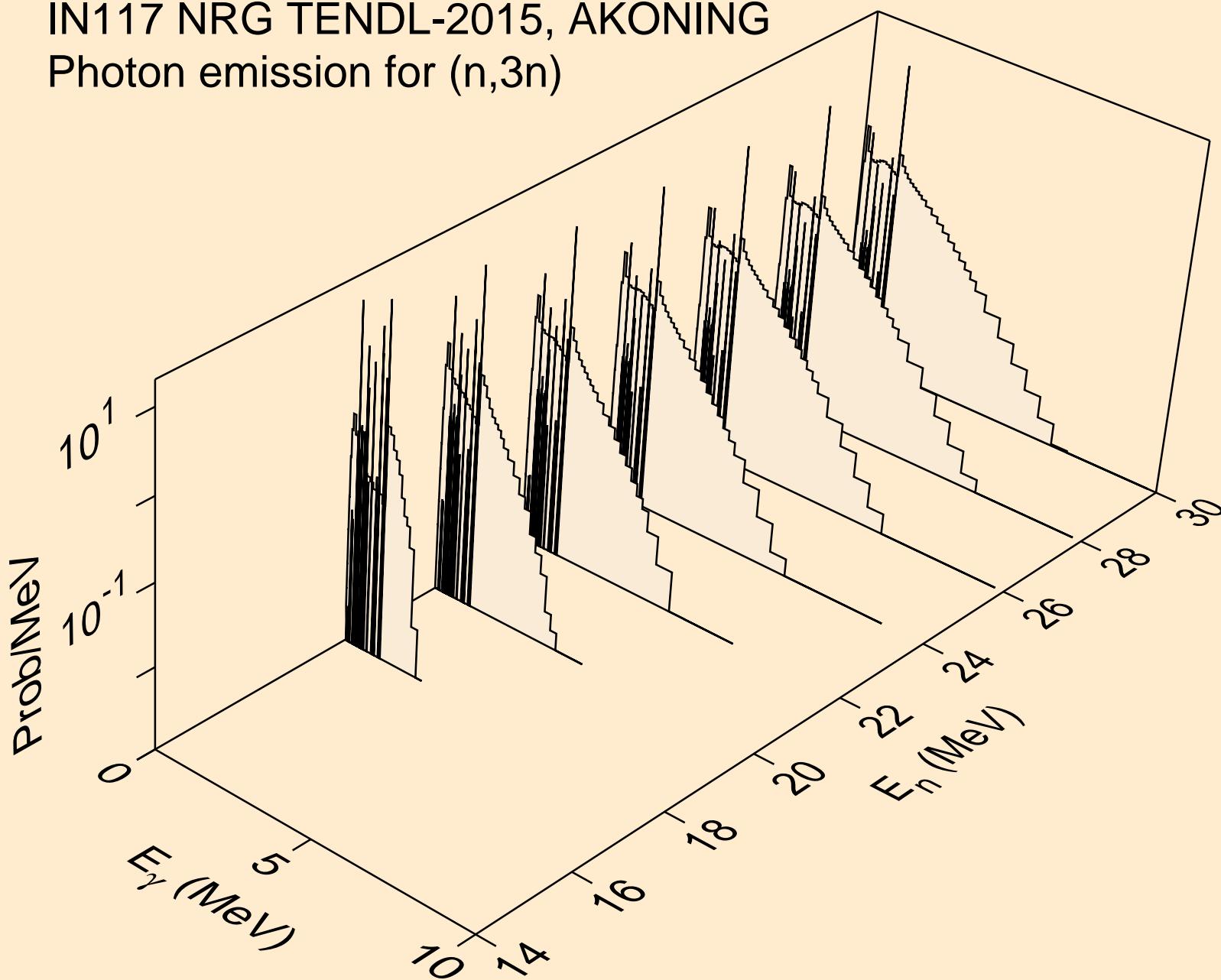
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Photon emission for (n,2nd)



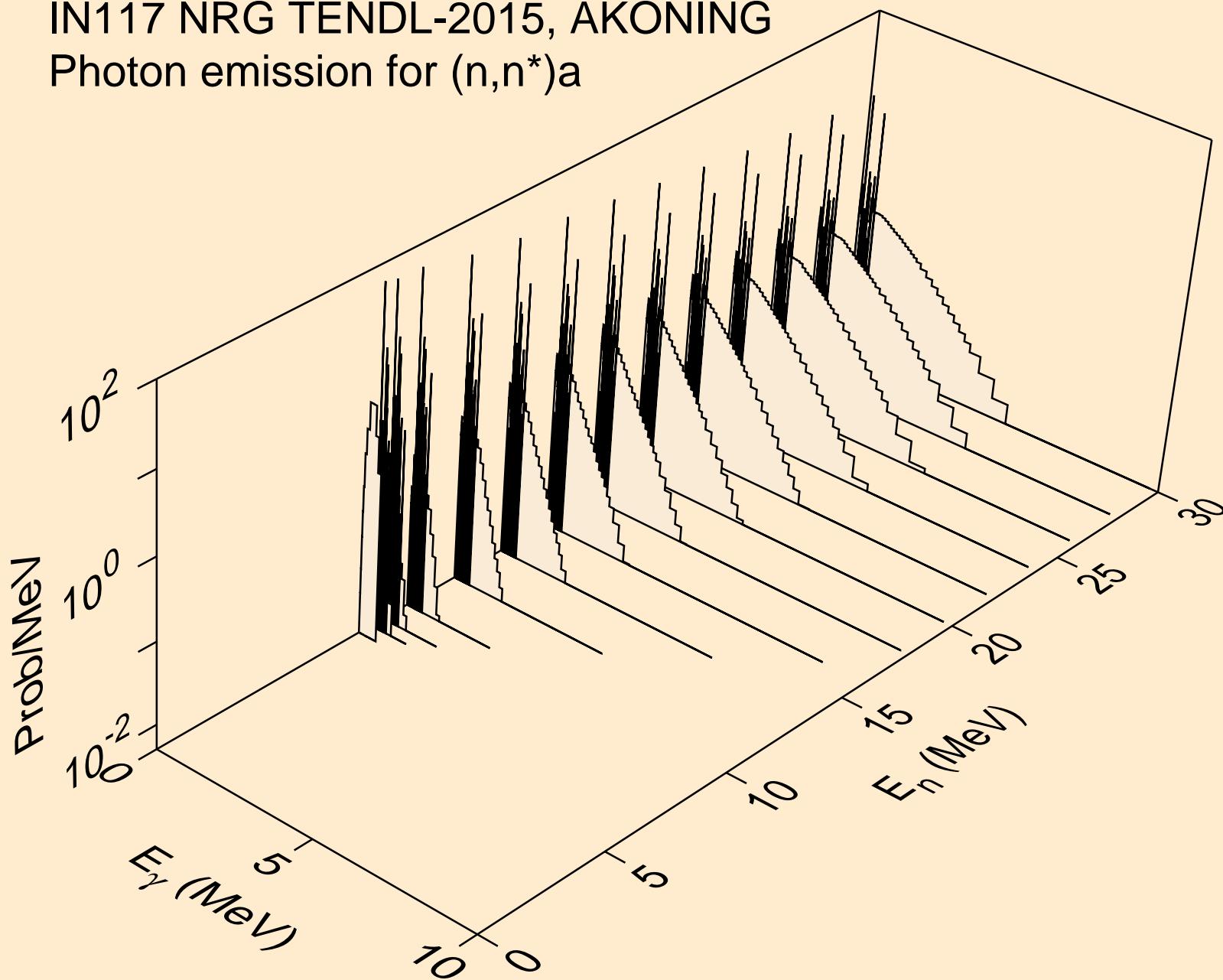
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Photon emission for (n,2n)



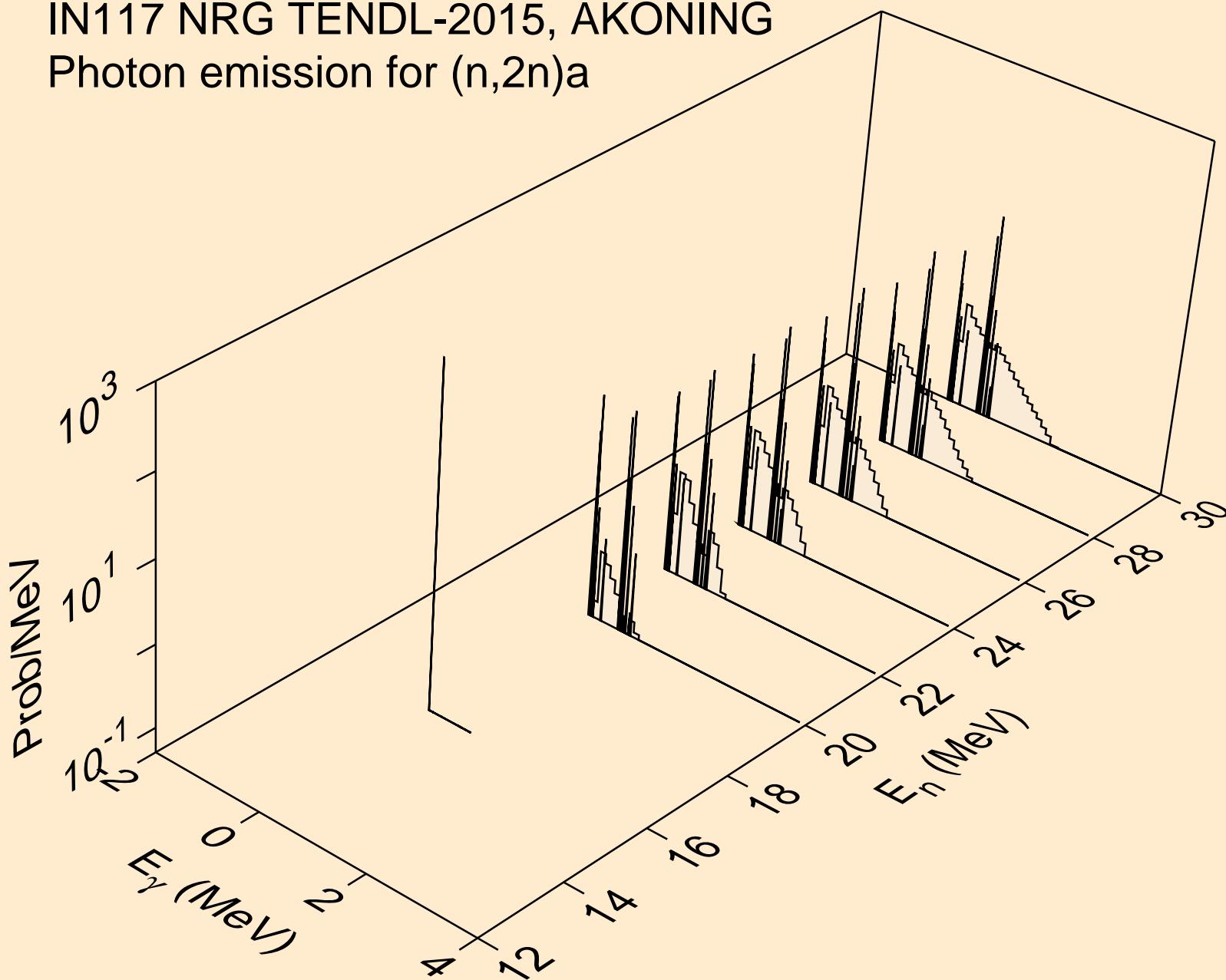
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Photon emission for (n,3n)



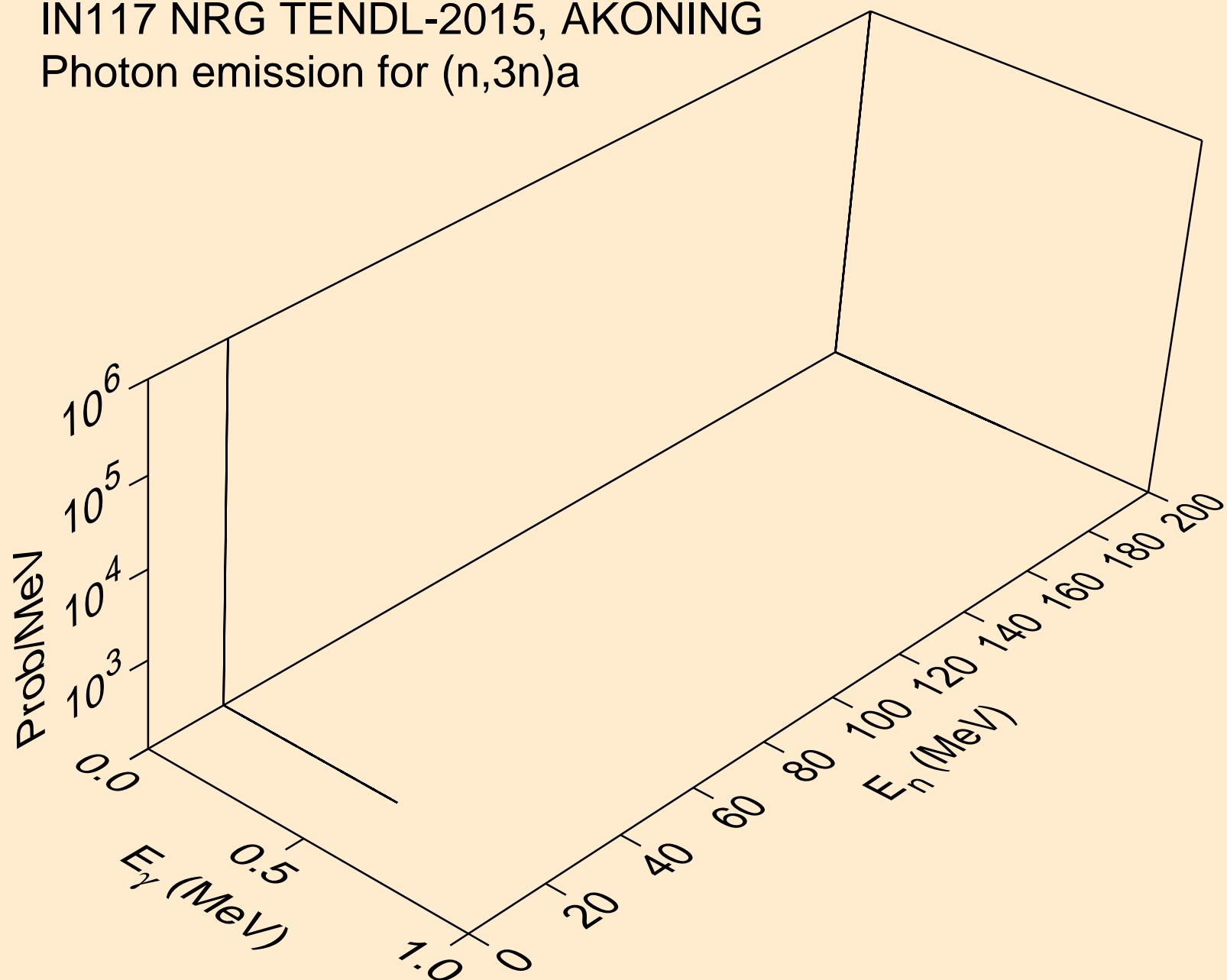
IN117 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



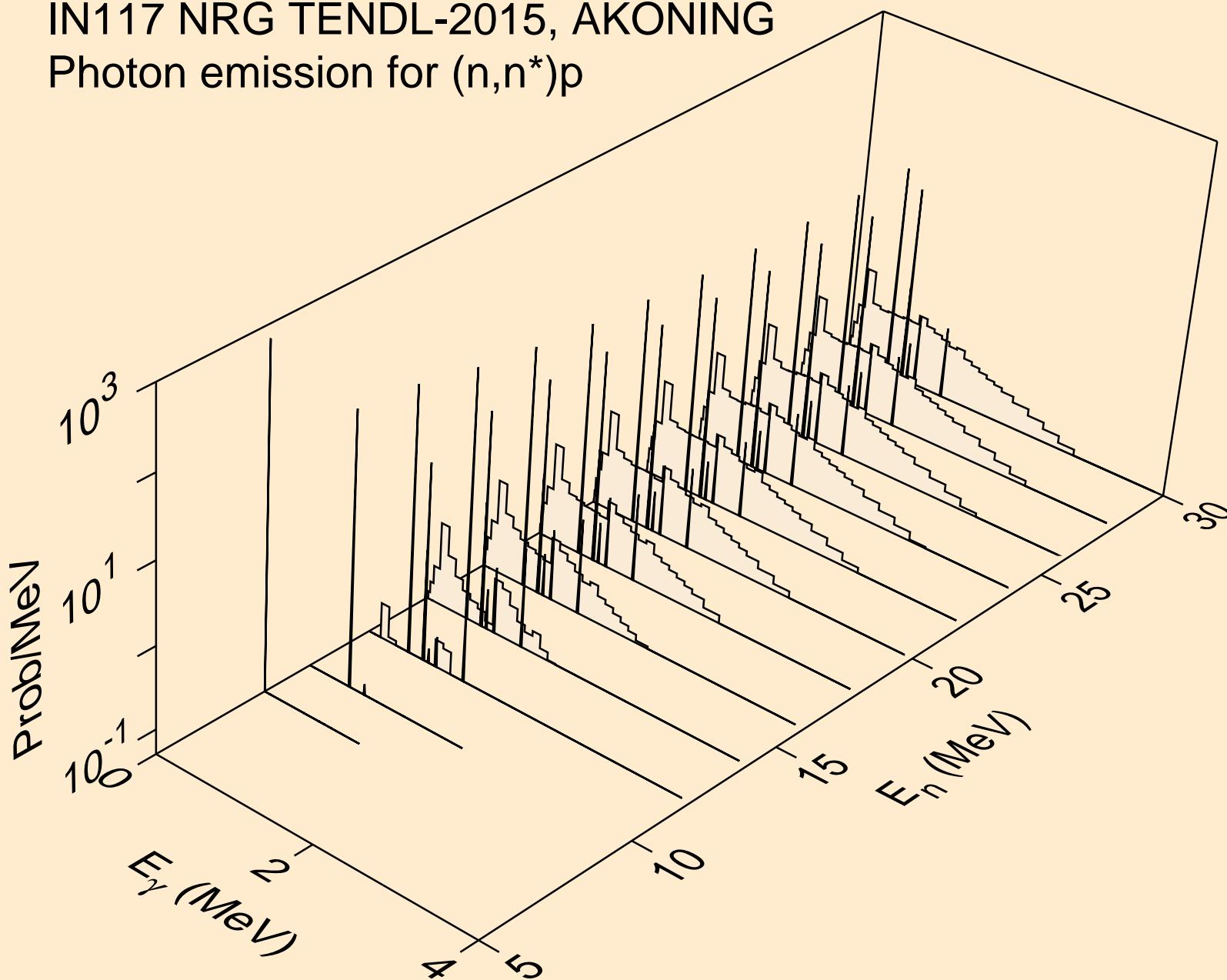
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Photon emission for (n,2n)a



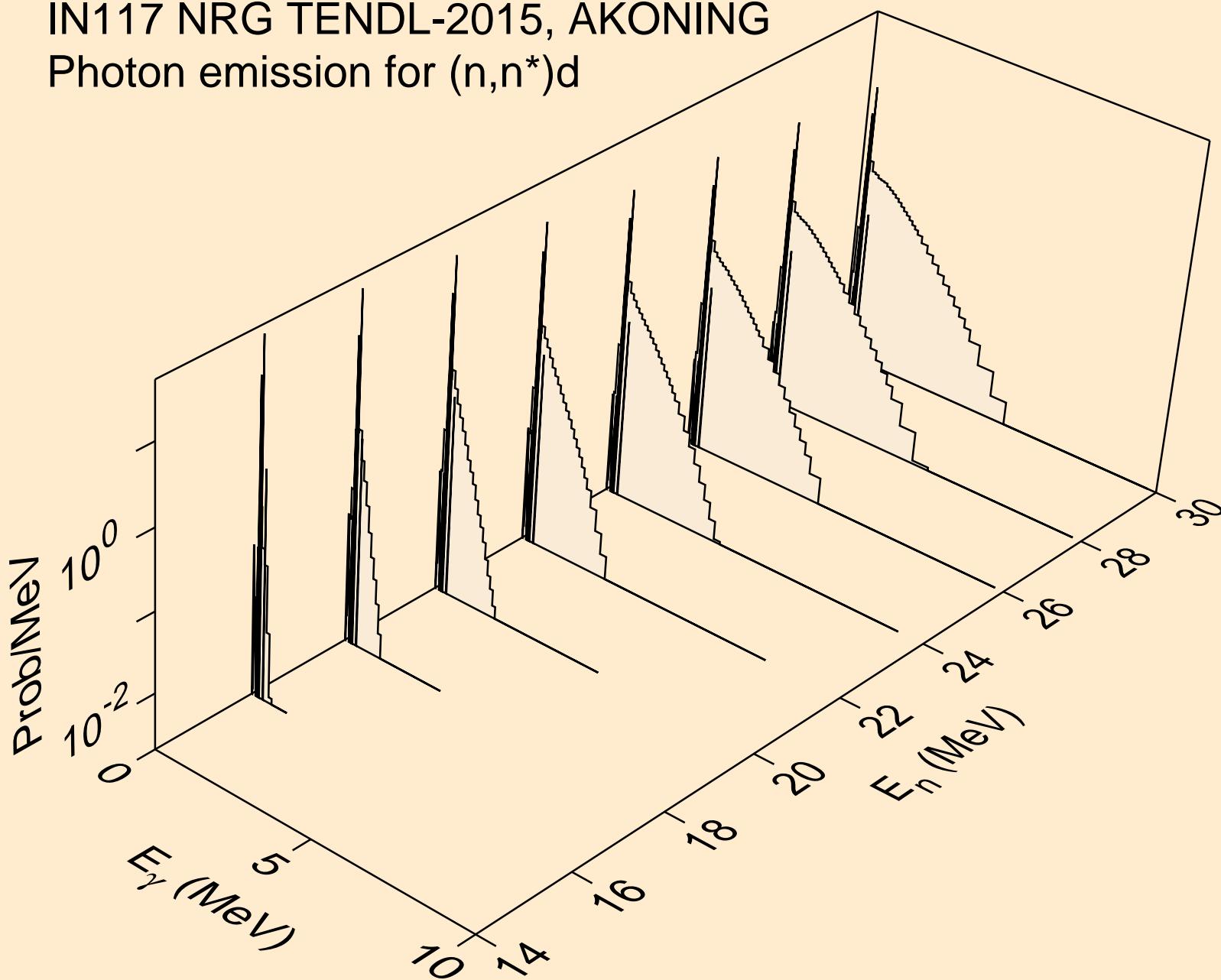
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Photon emission for (n,3n)a



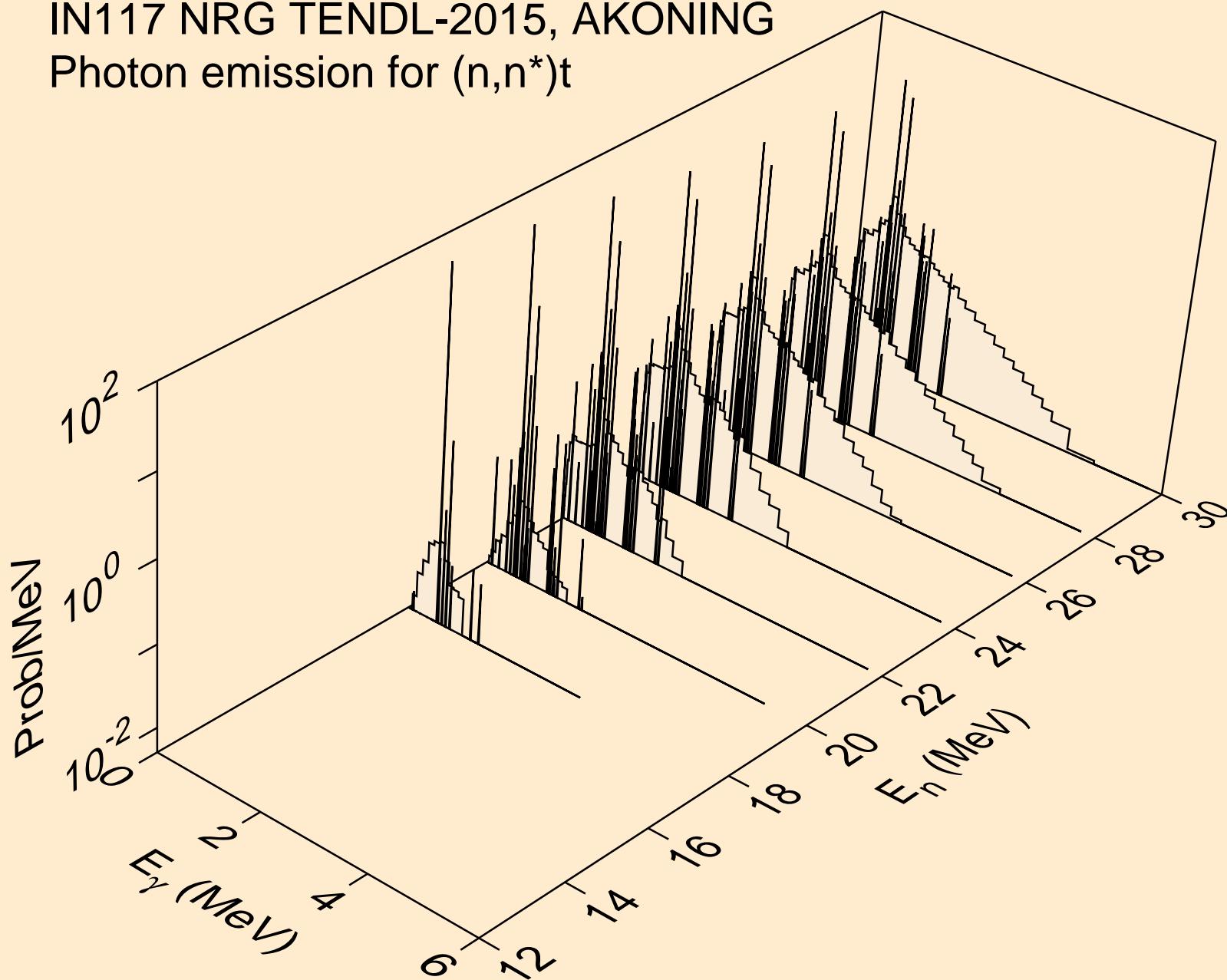
IN117 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



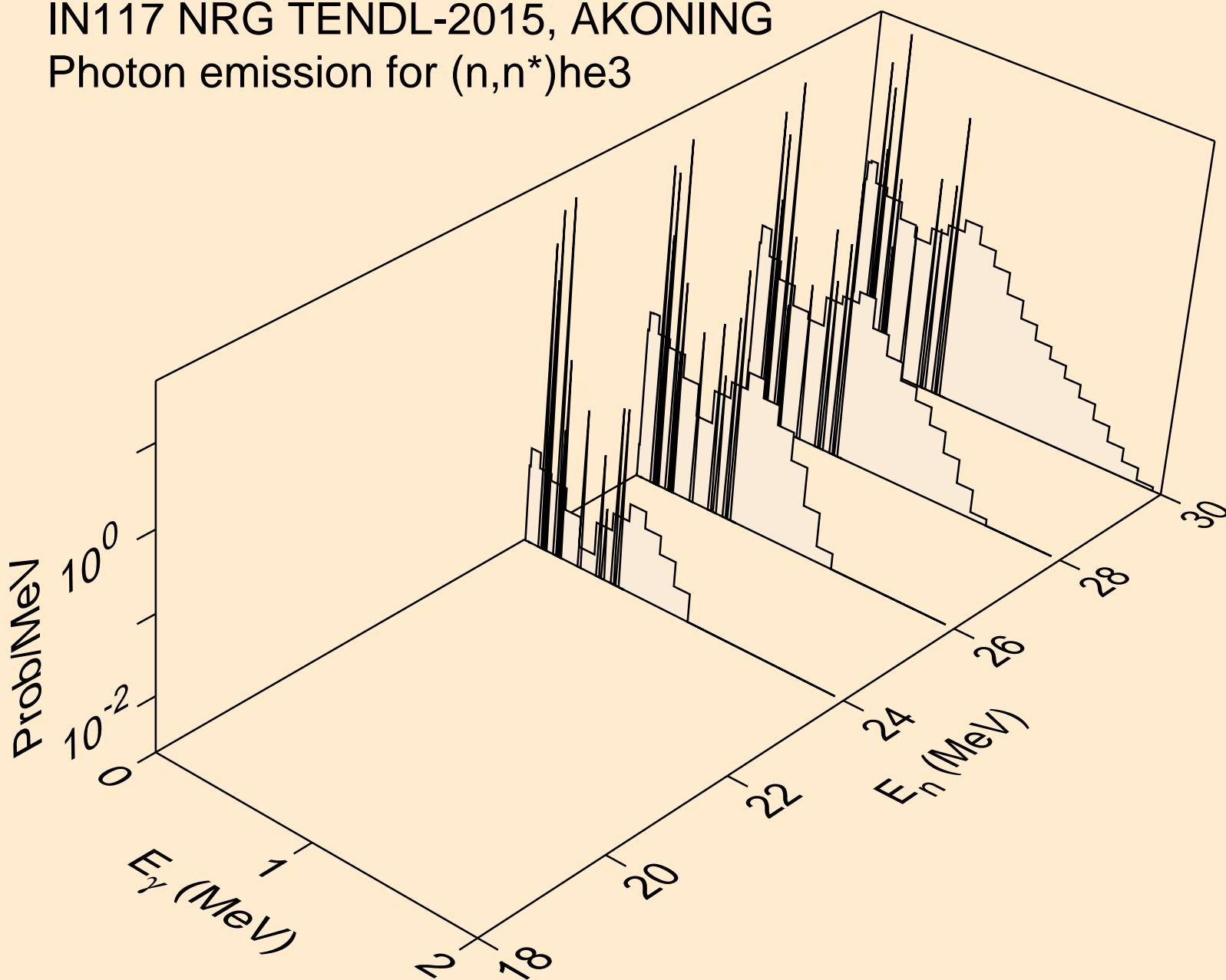
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Photon emission for  $(n,n^*)d$



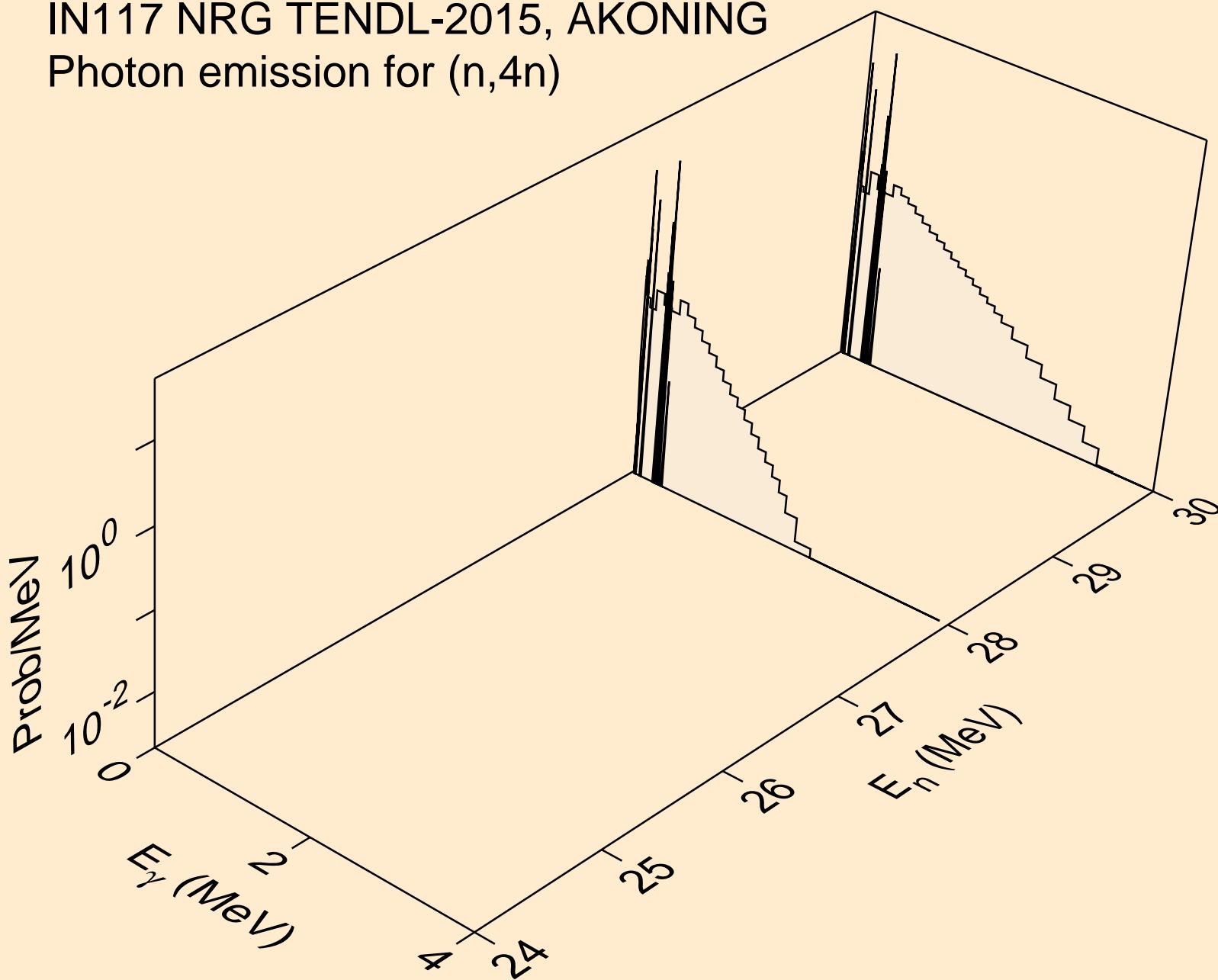
IN117 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



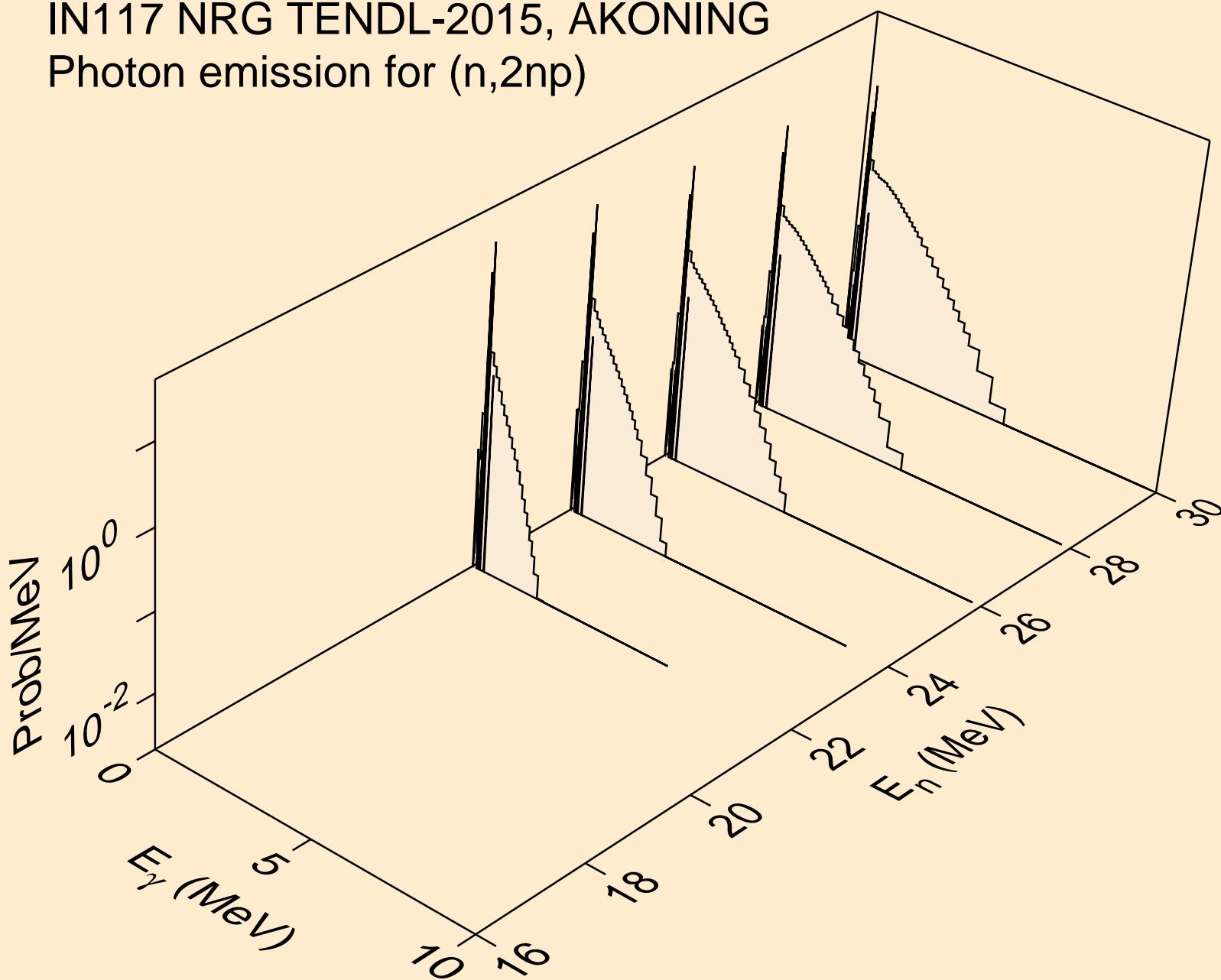
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Photon emission for  $(n,n^*)\text{he3}$



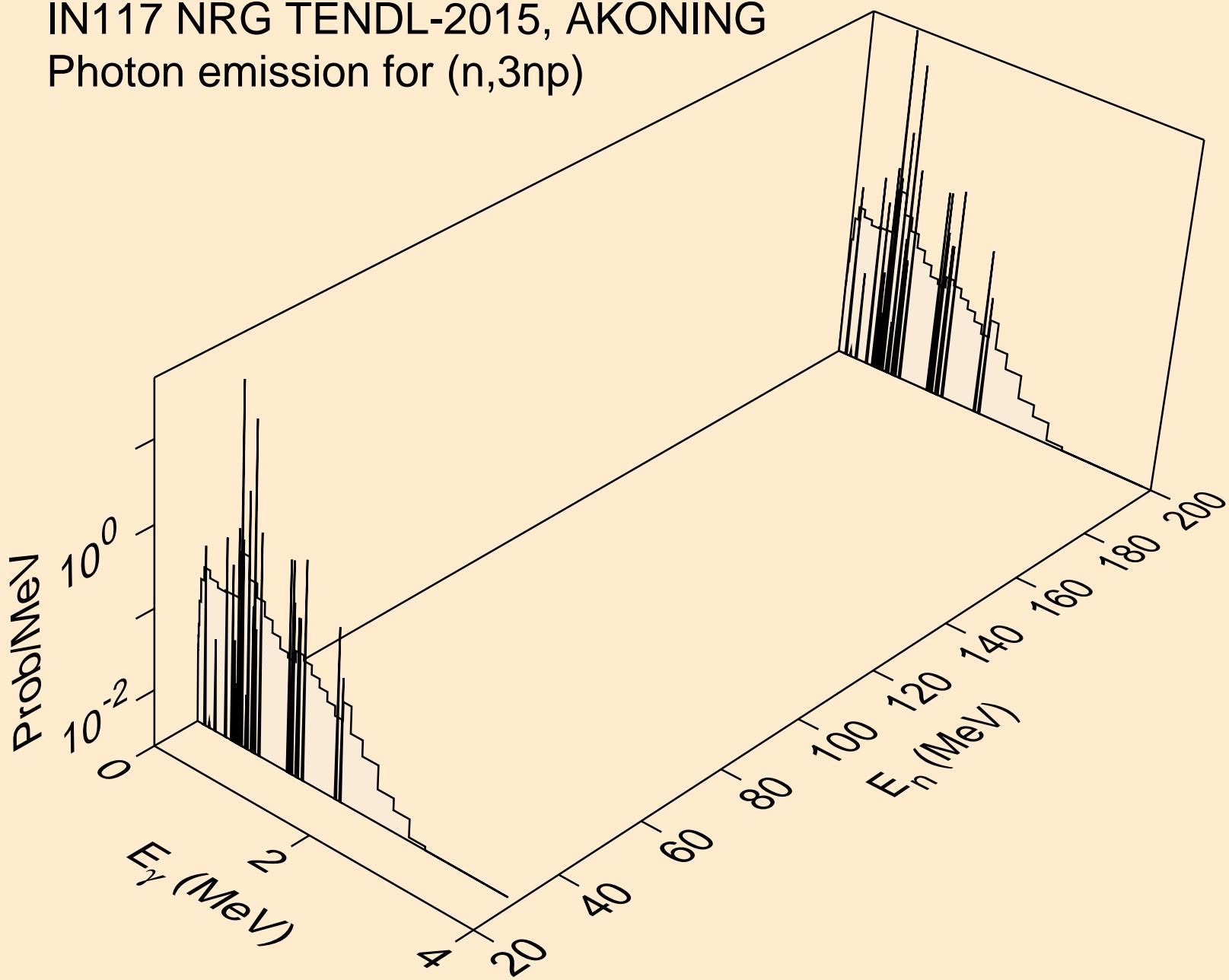
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Photon emission for (n,4n)



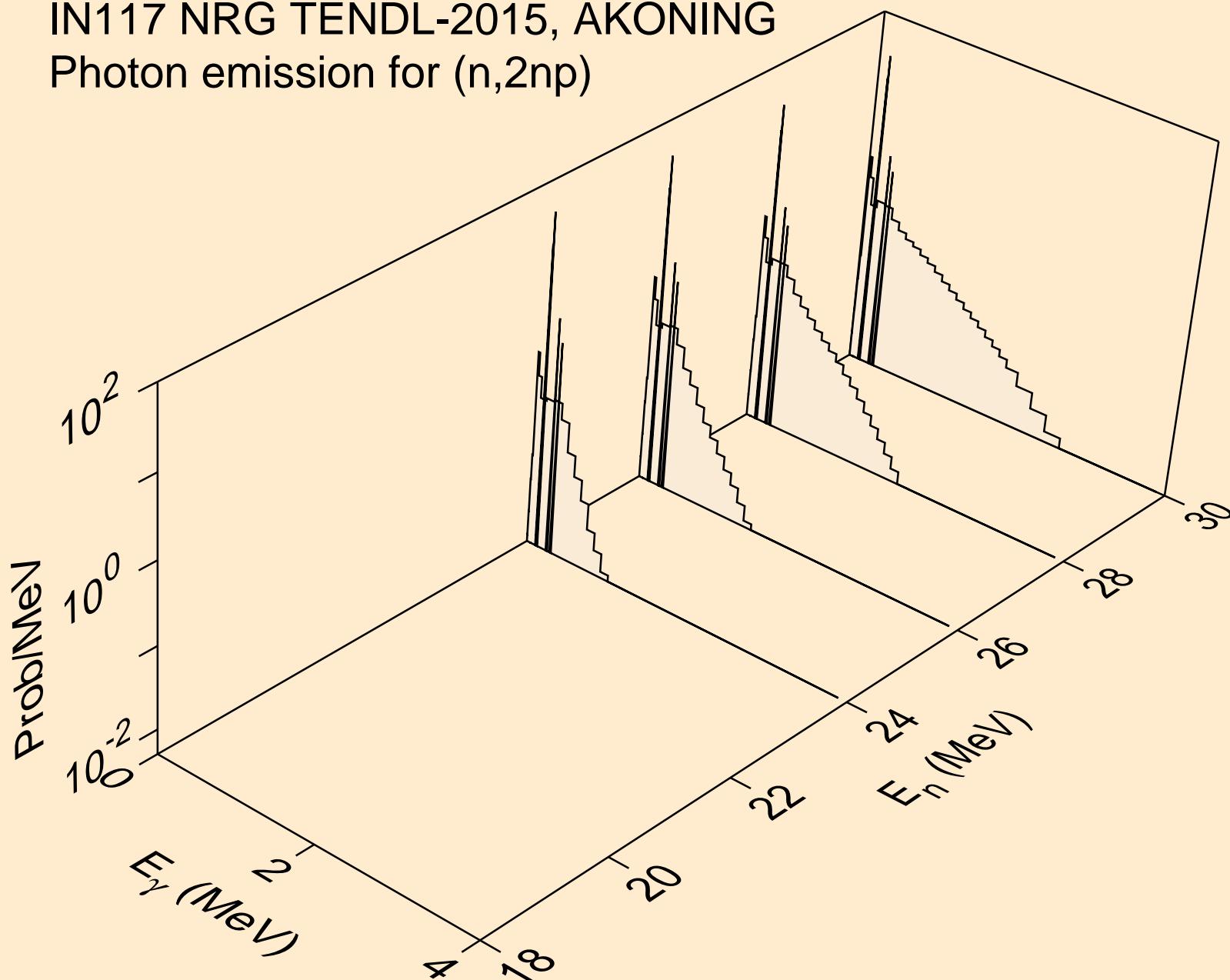
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Photon emission for (n,2np)



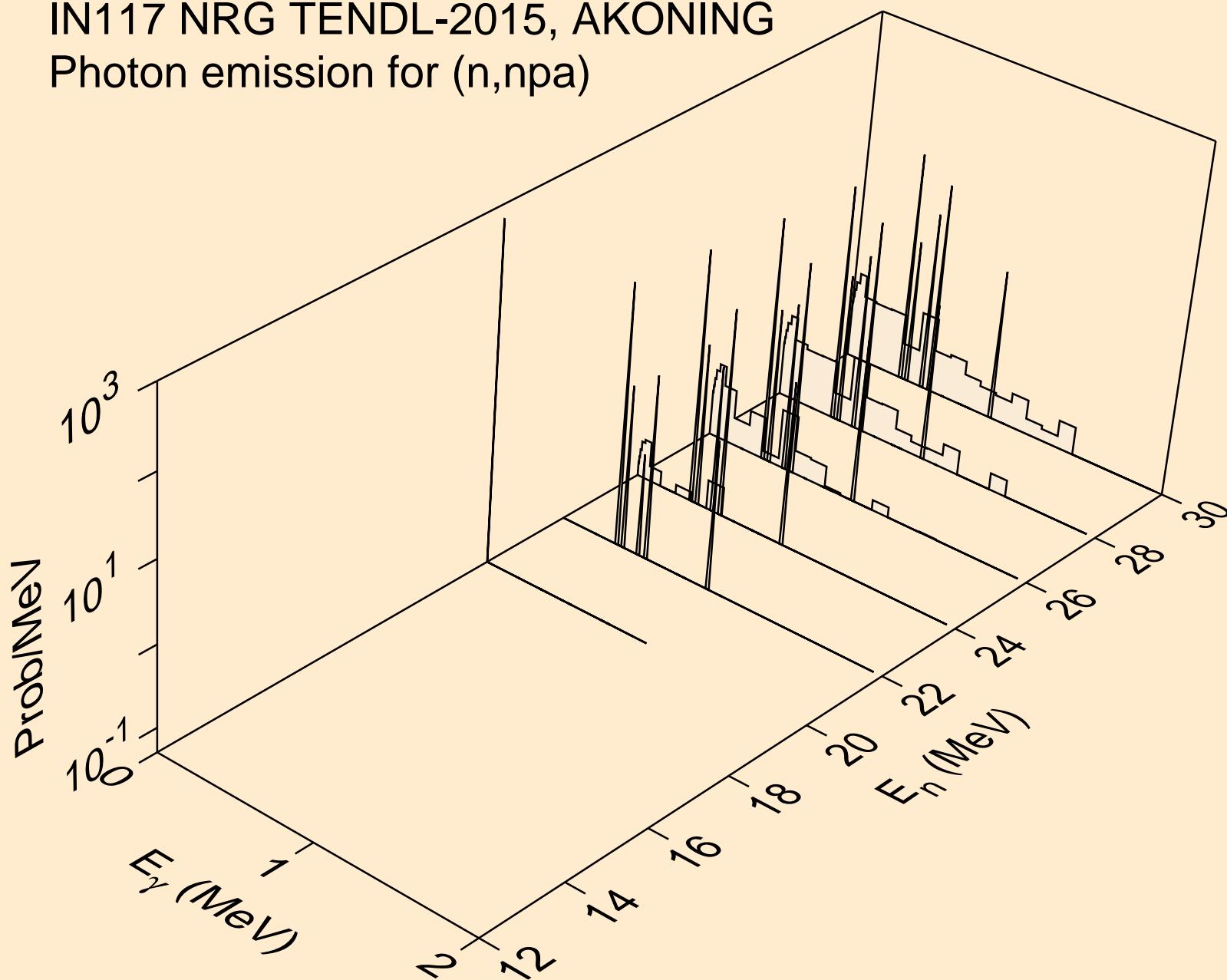
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Photon emission for (n,3np)



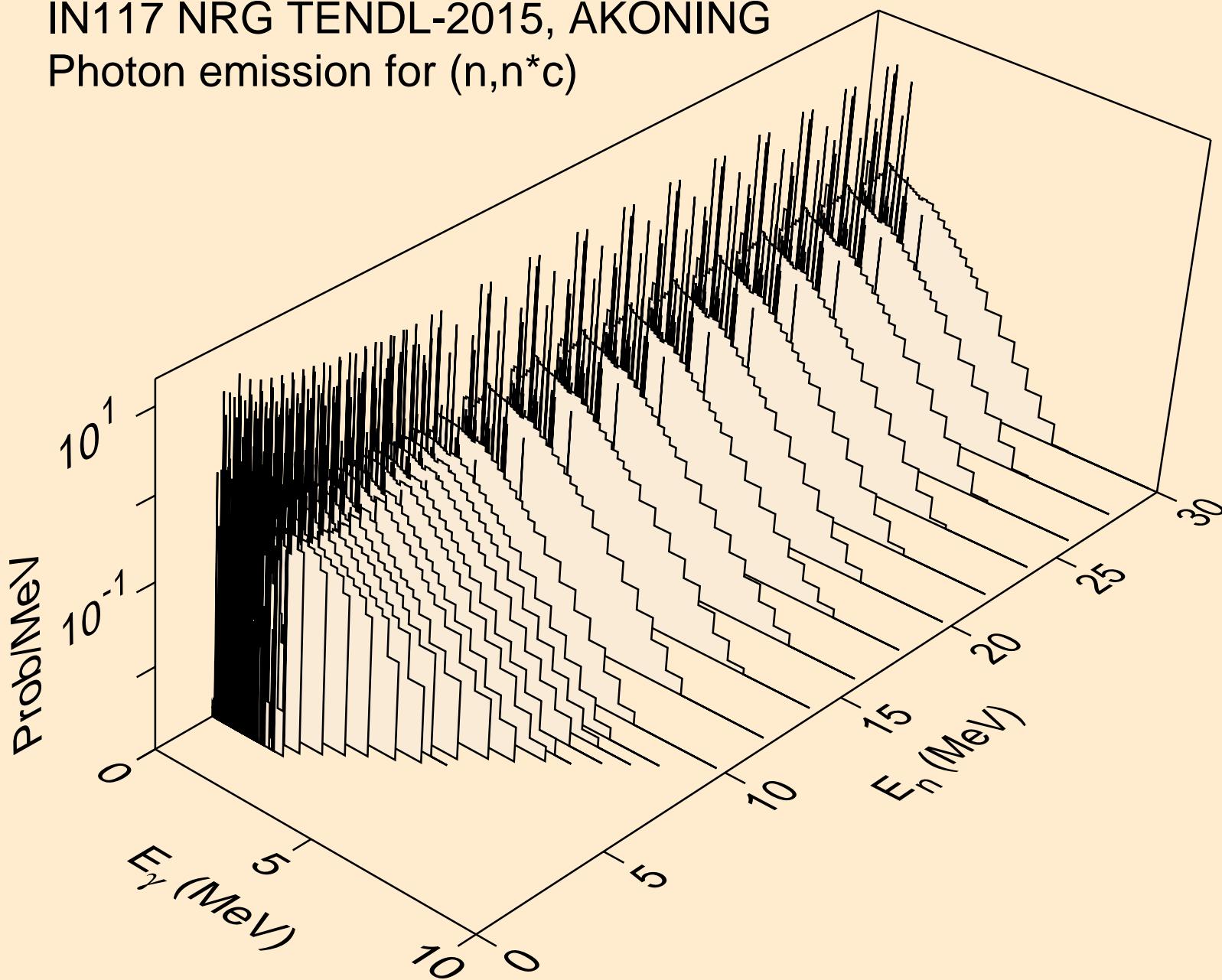
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Photon emission for (n,2np)



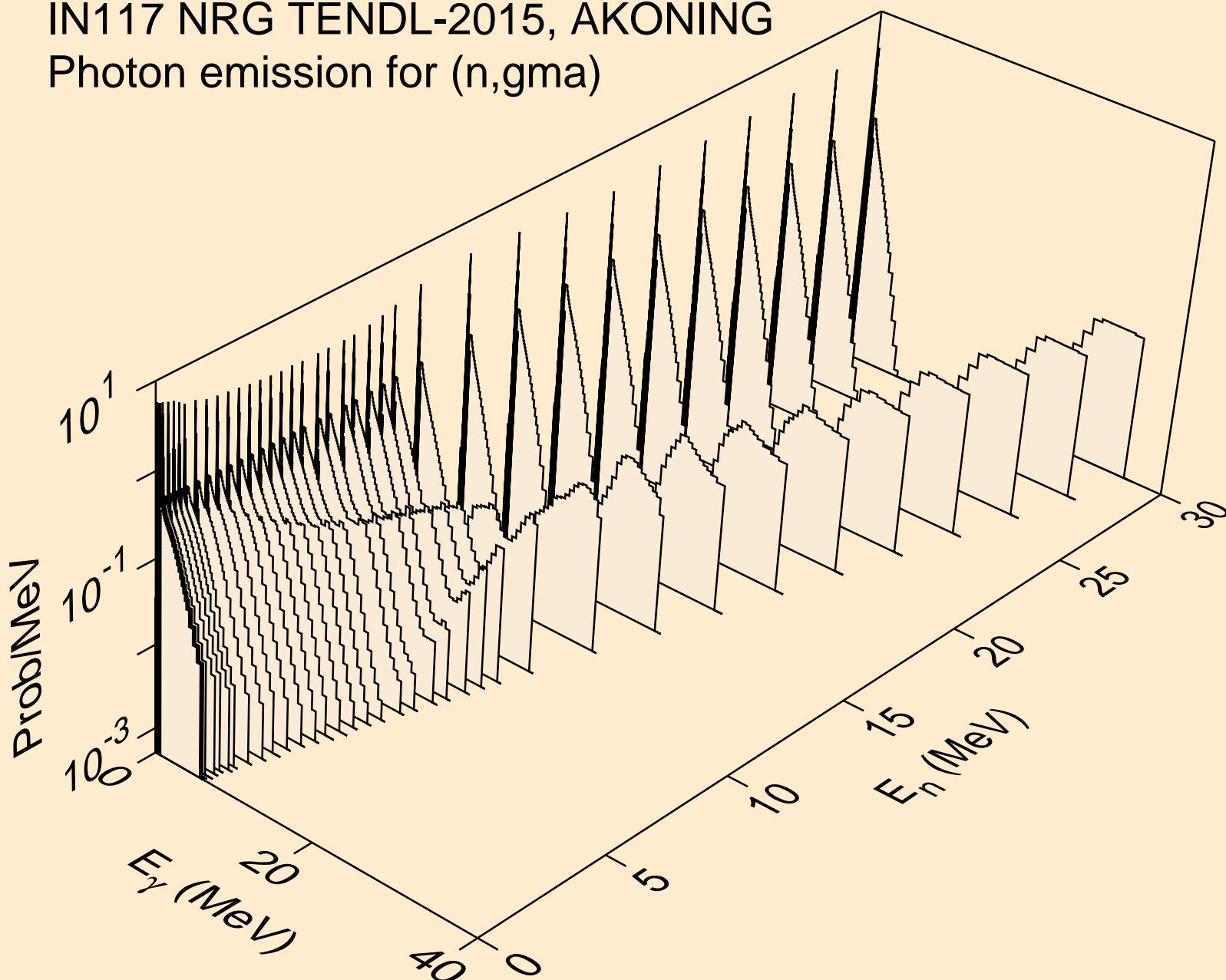
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Photon emission for (n,npa)



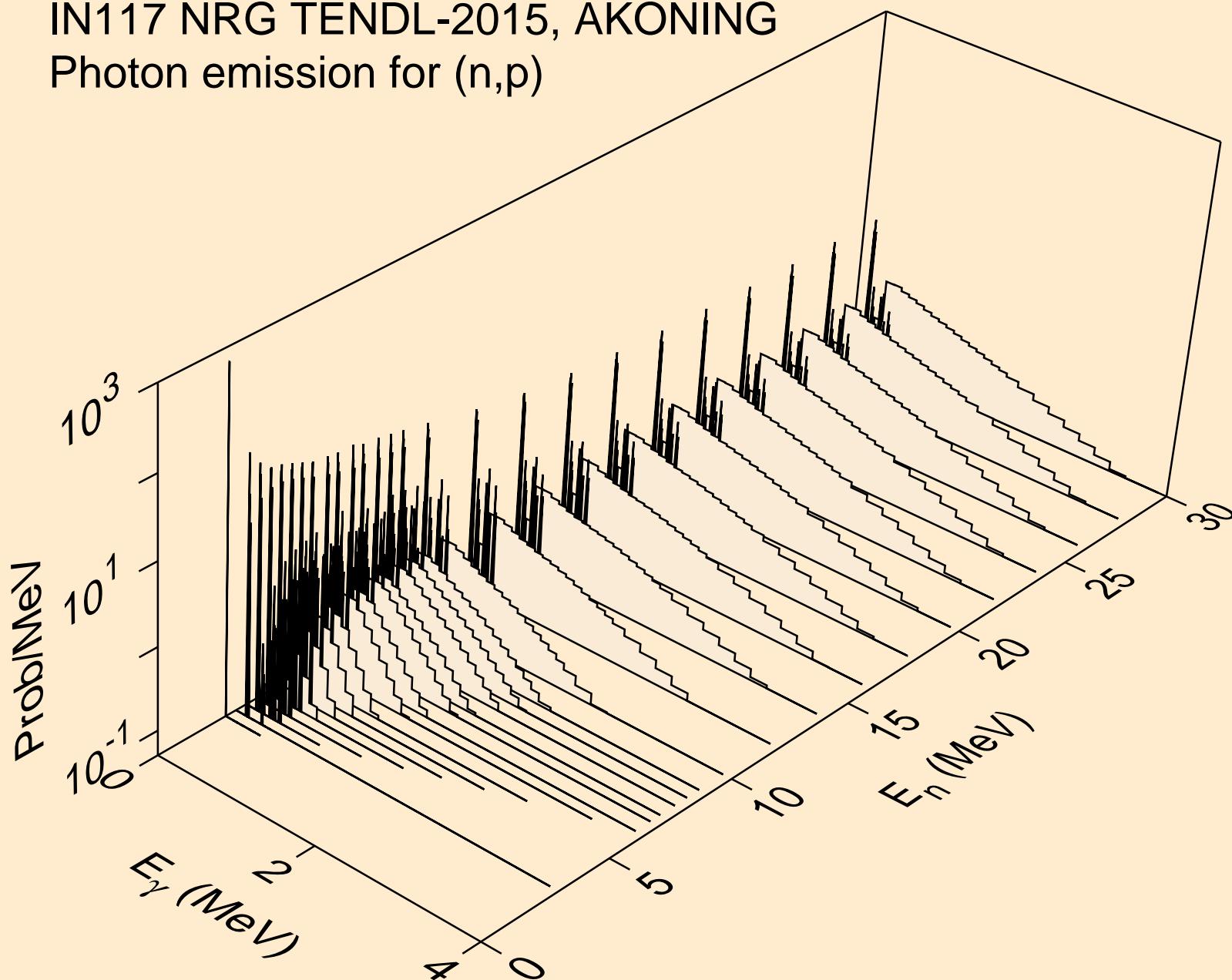
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Photon emission for  $(n, n^* c)$



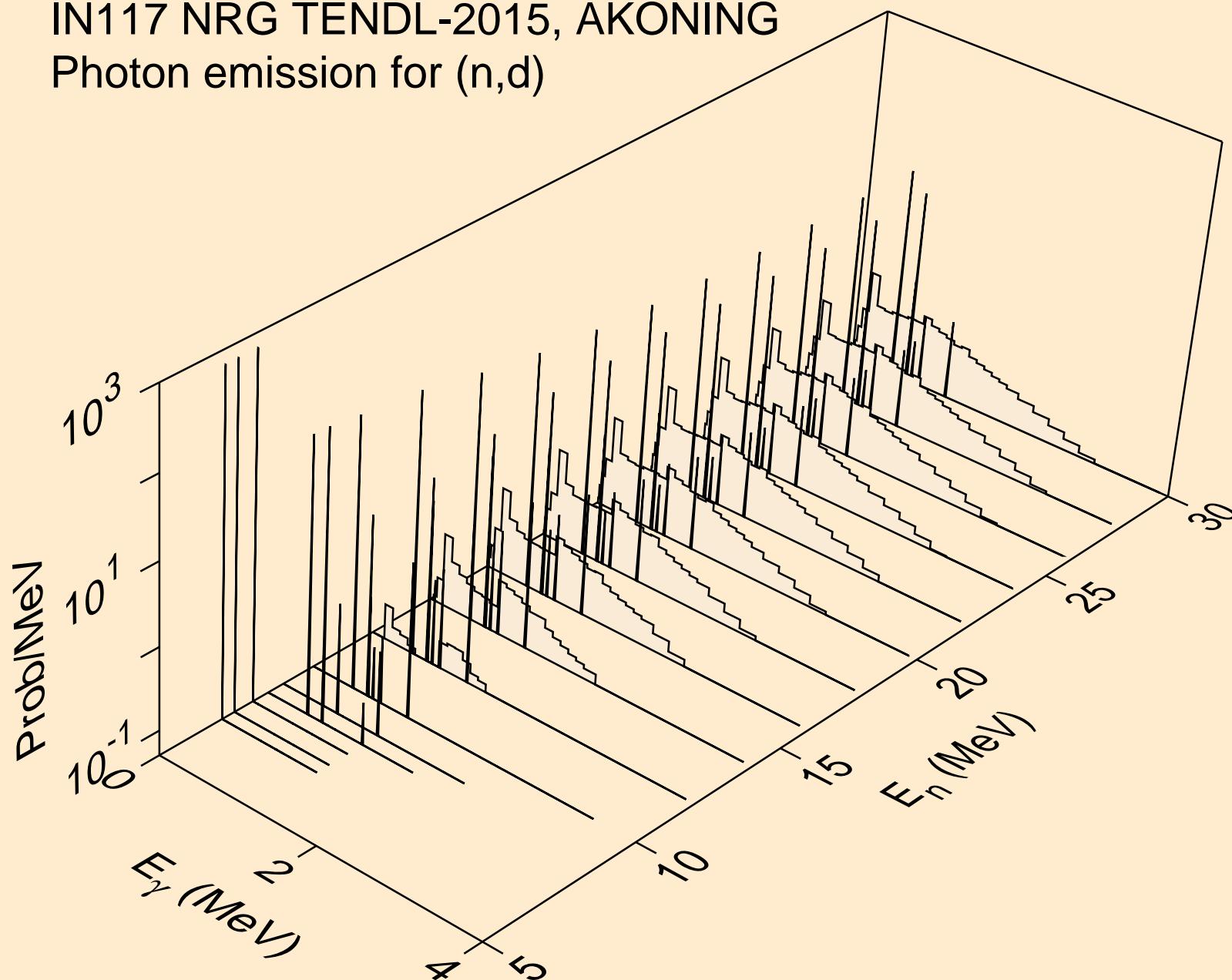
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Photon emission for (n,gma)



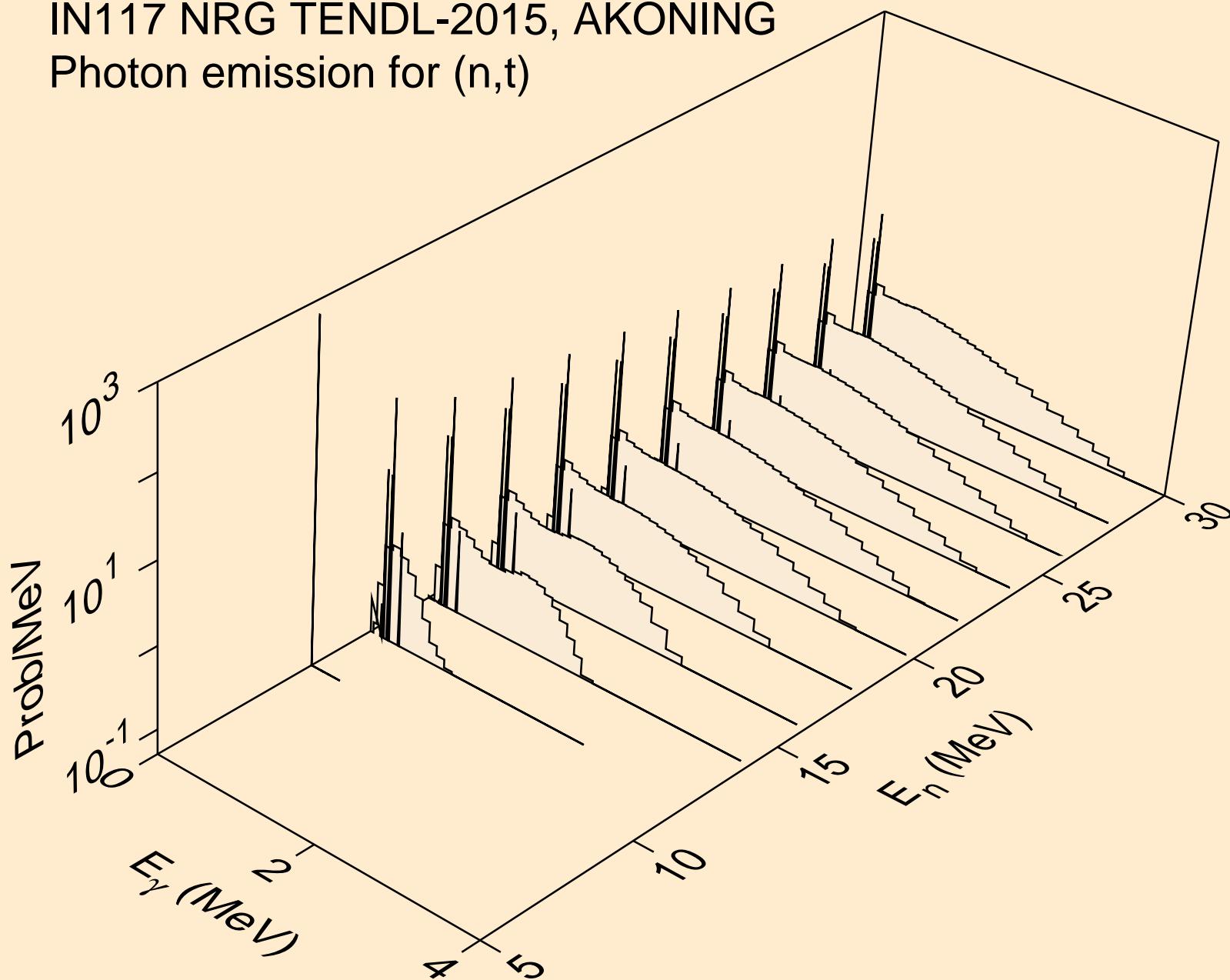
IN117 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



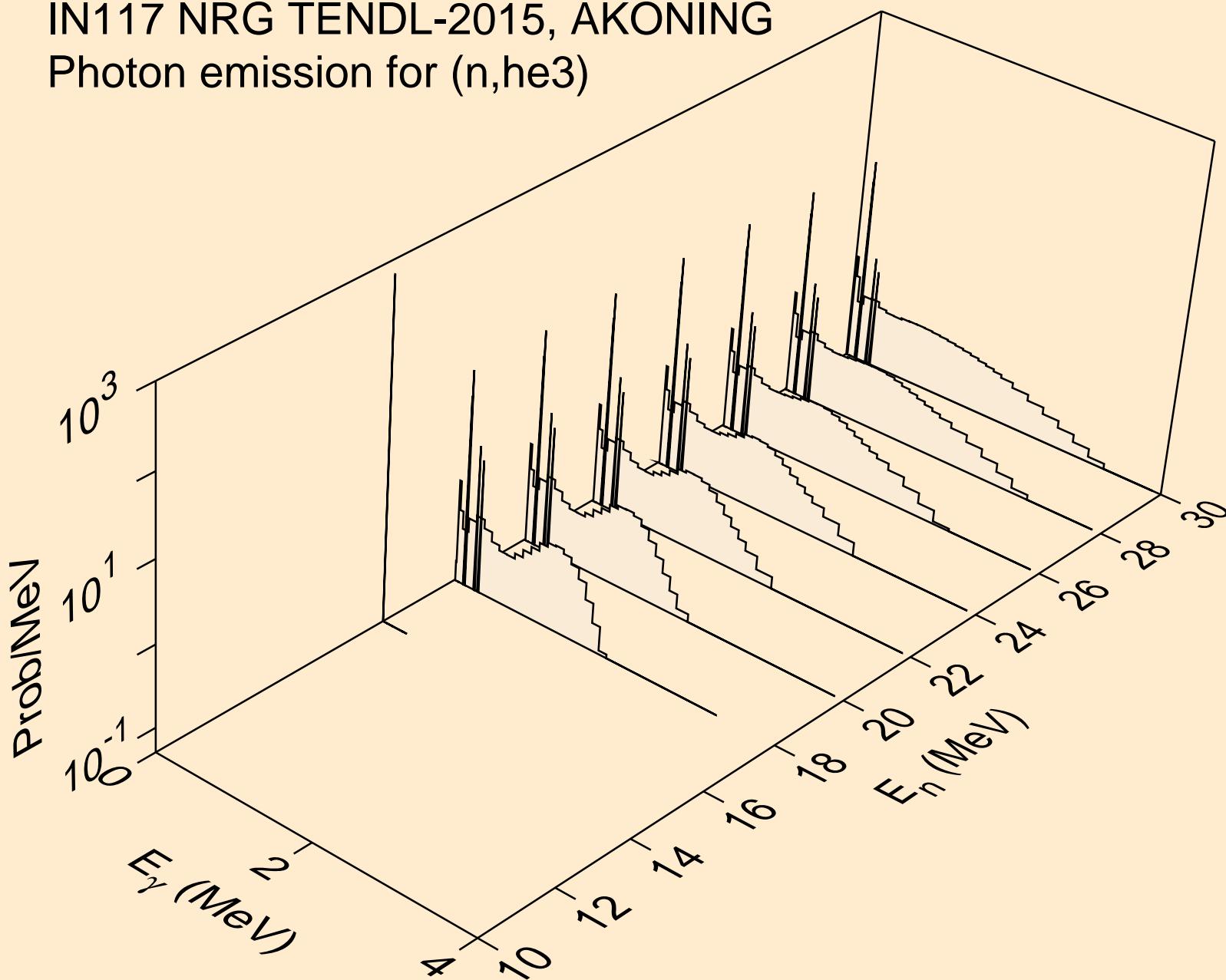
IN117 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



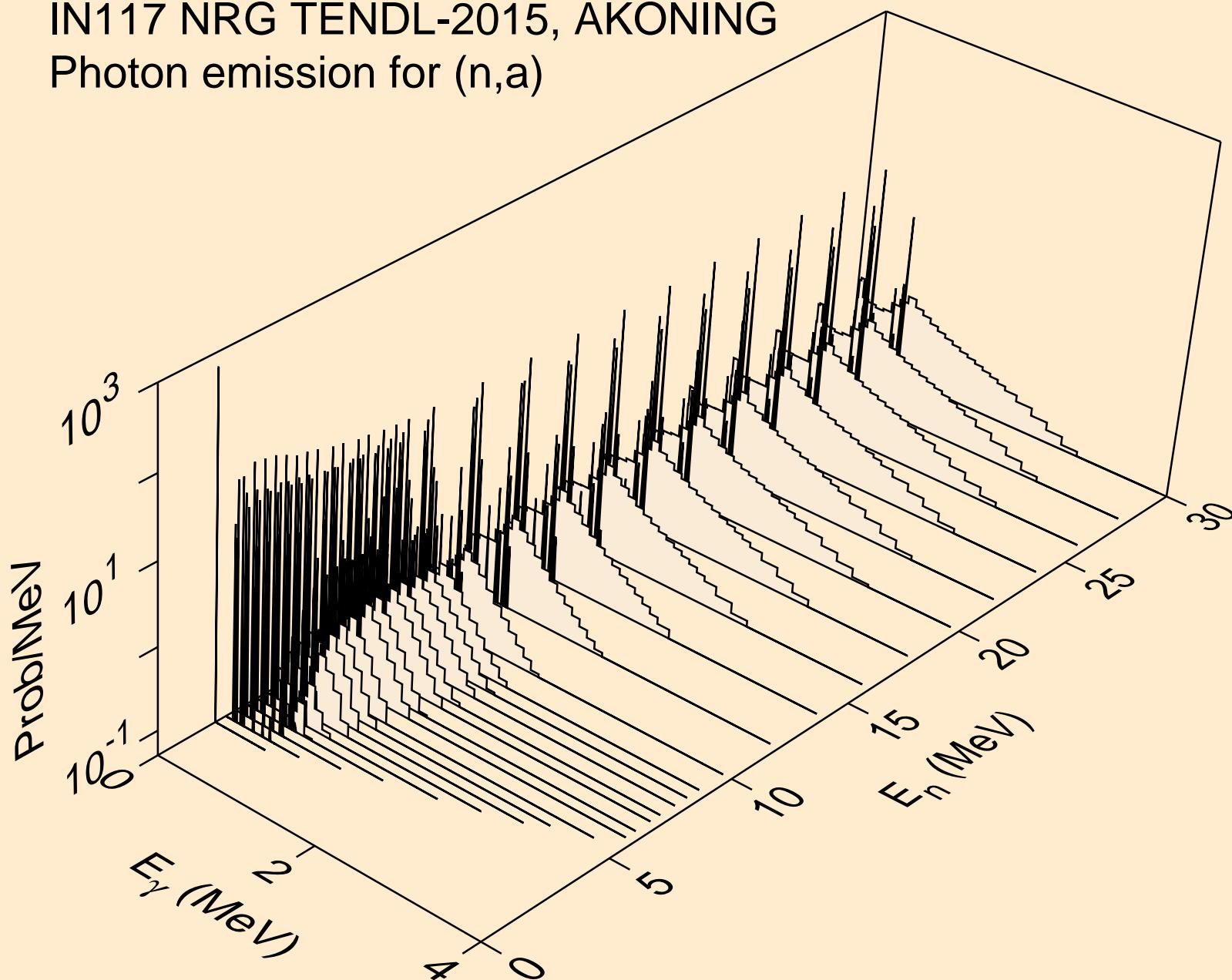
IN117 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



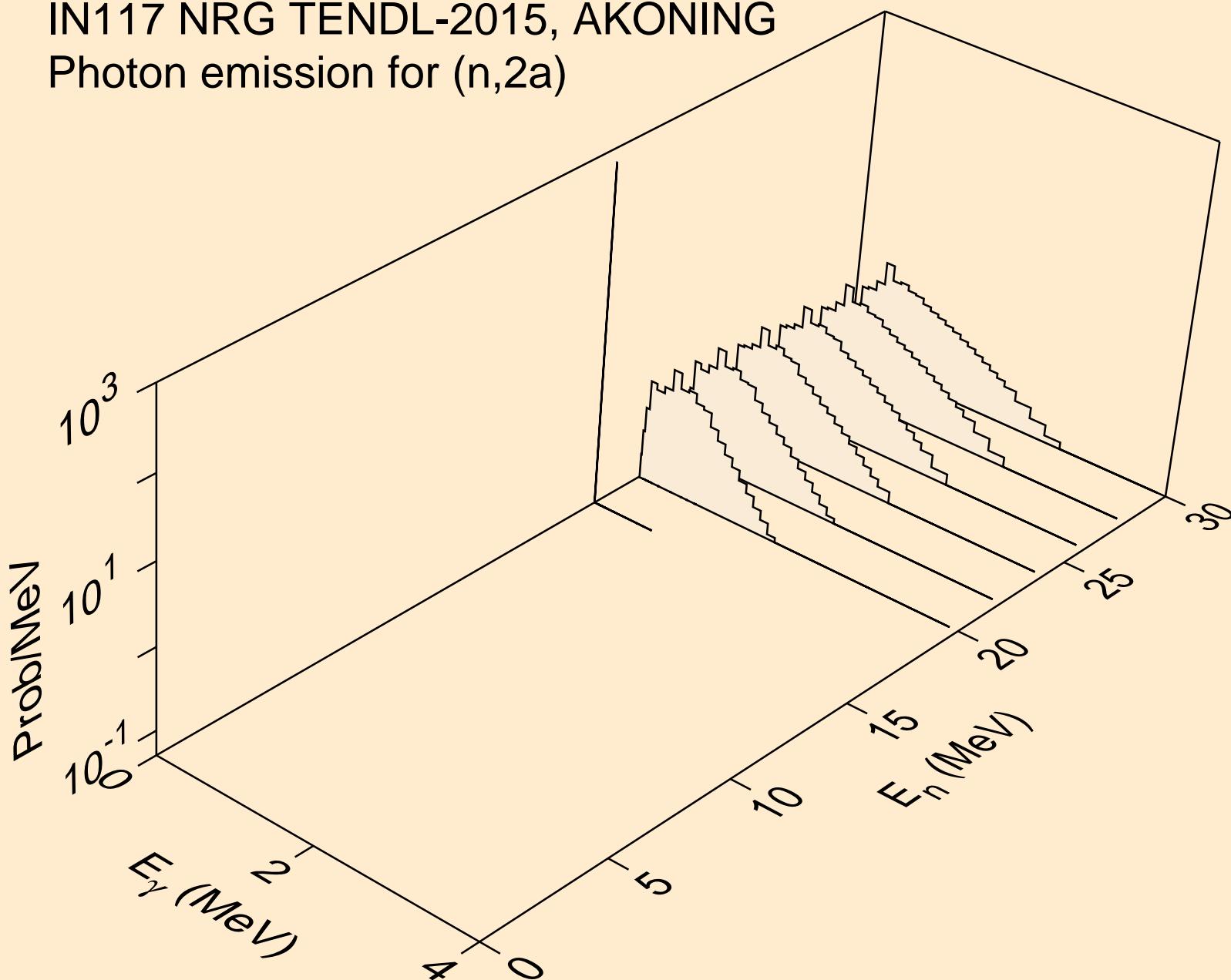
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Photon emission for (n,he3)



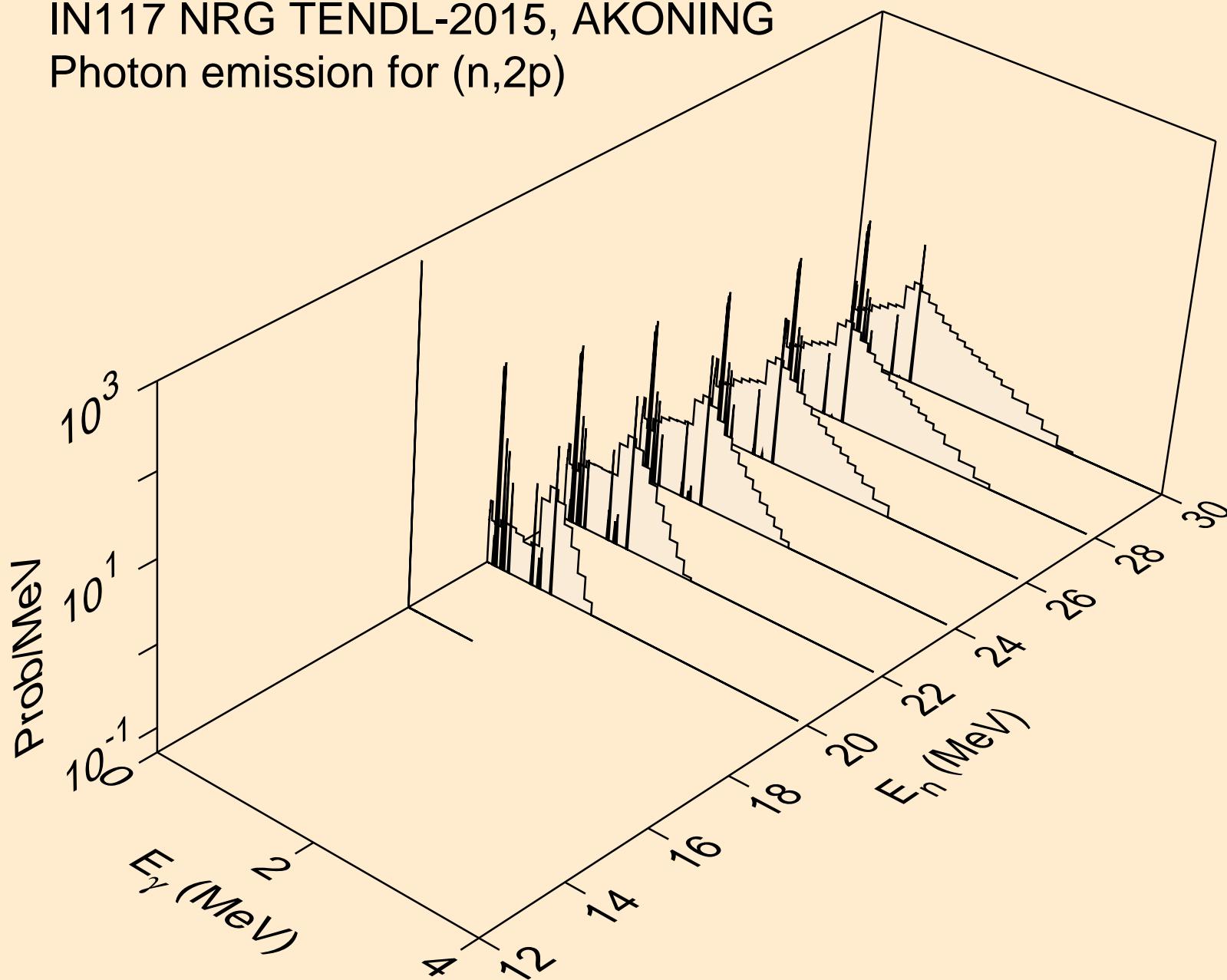
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Photon emission for (n,a)



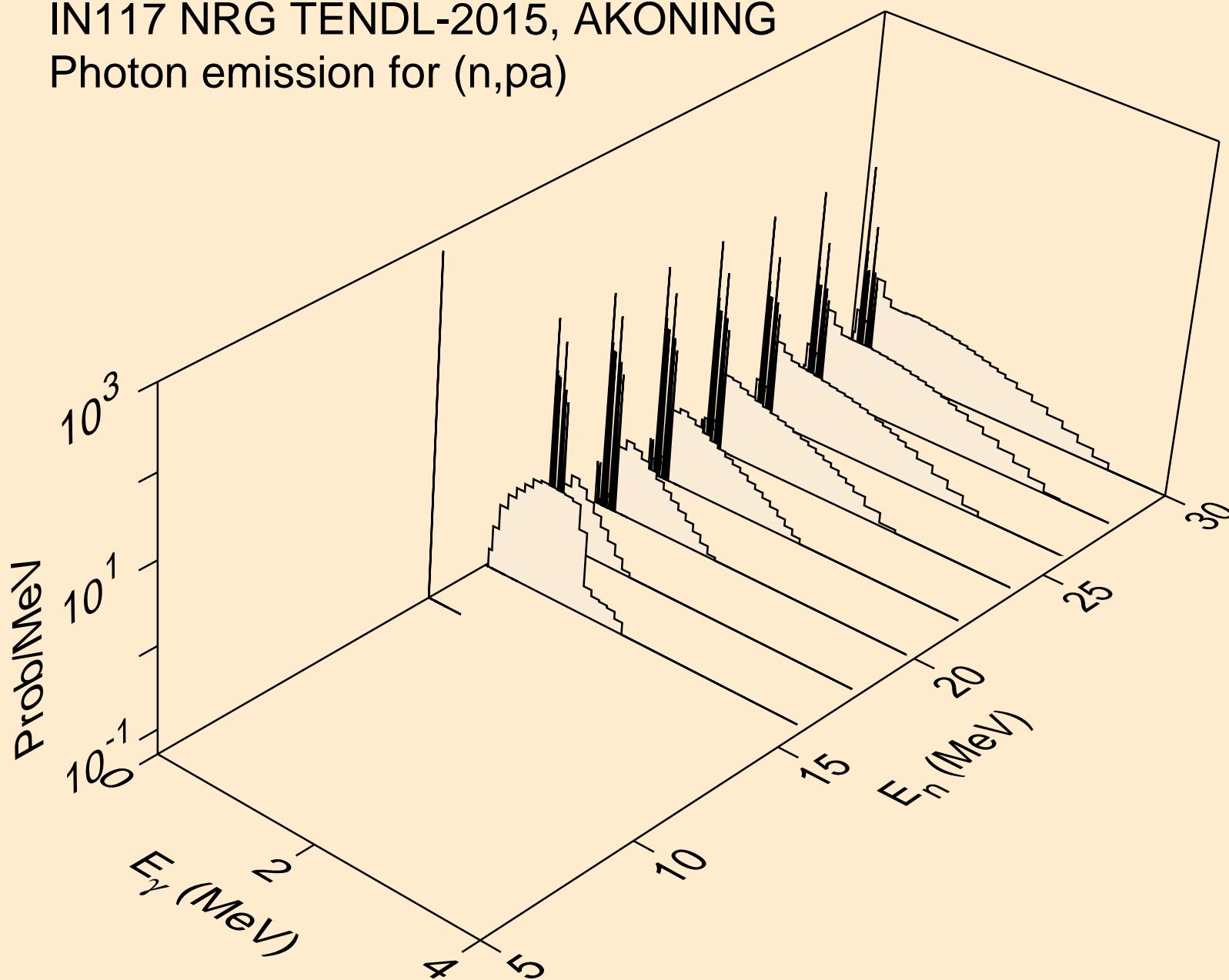
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Photon emission for (n,2a)



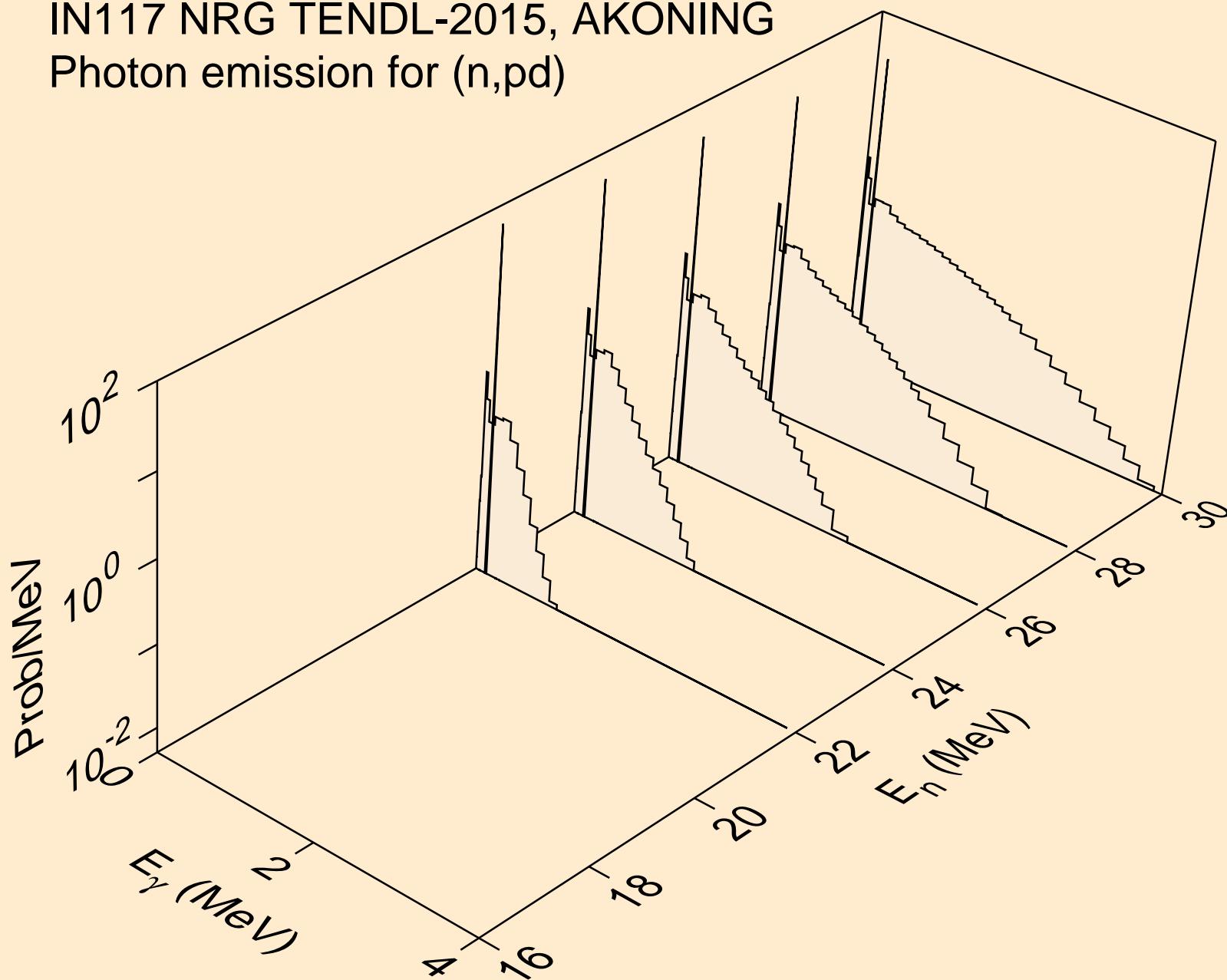
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Photon emission for (n,2p)



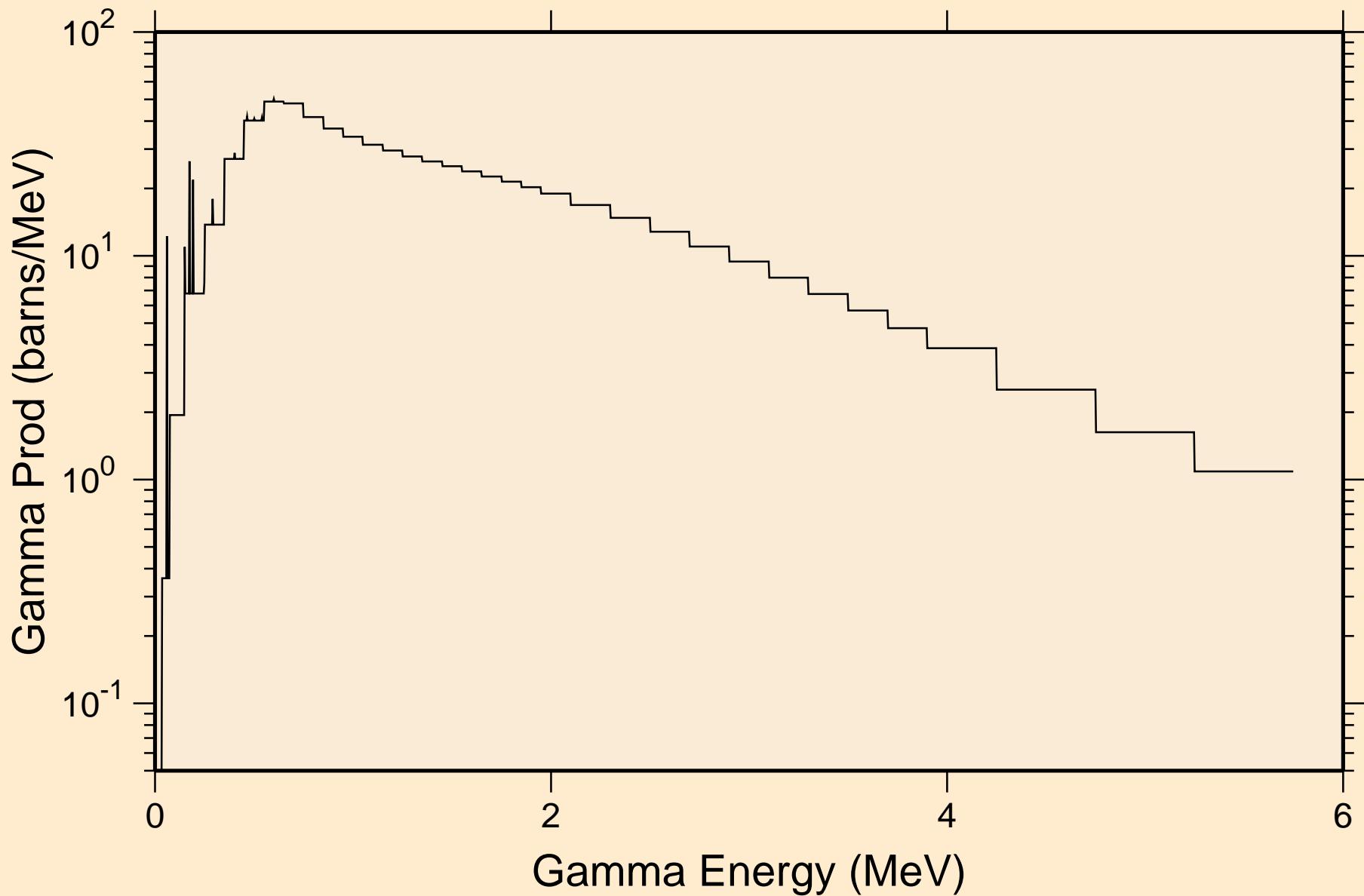
IN117 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



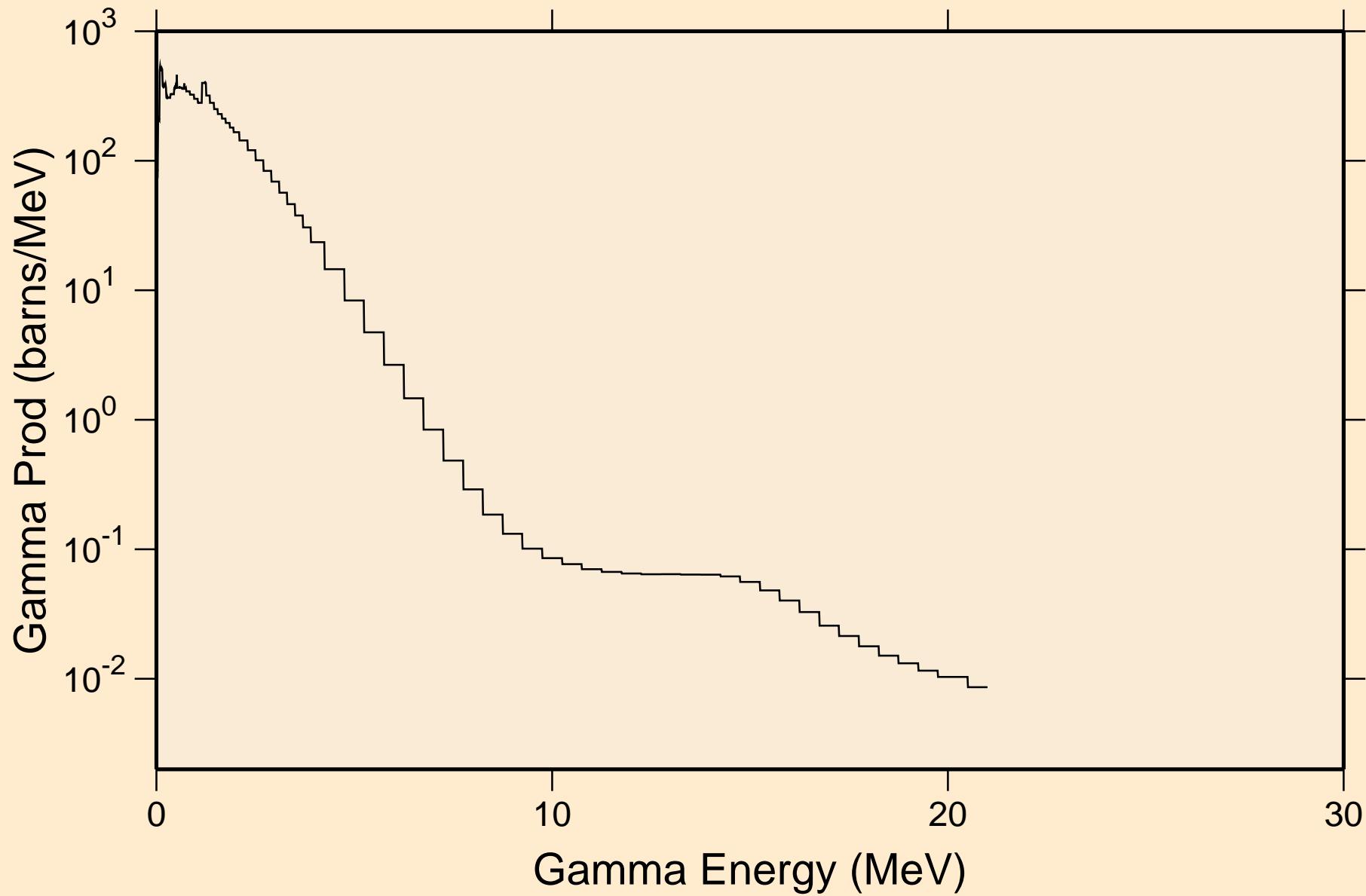
IN117 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



IN117 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

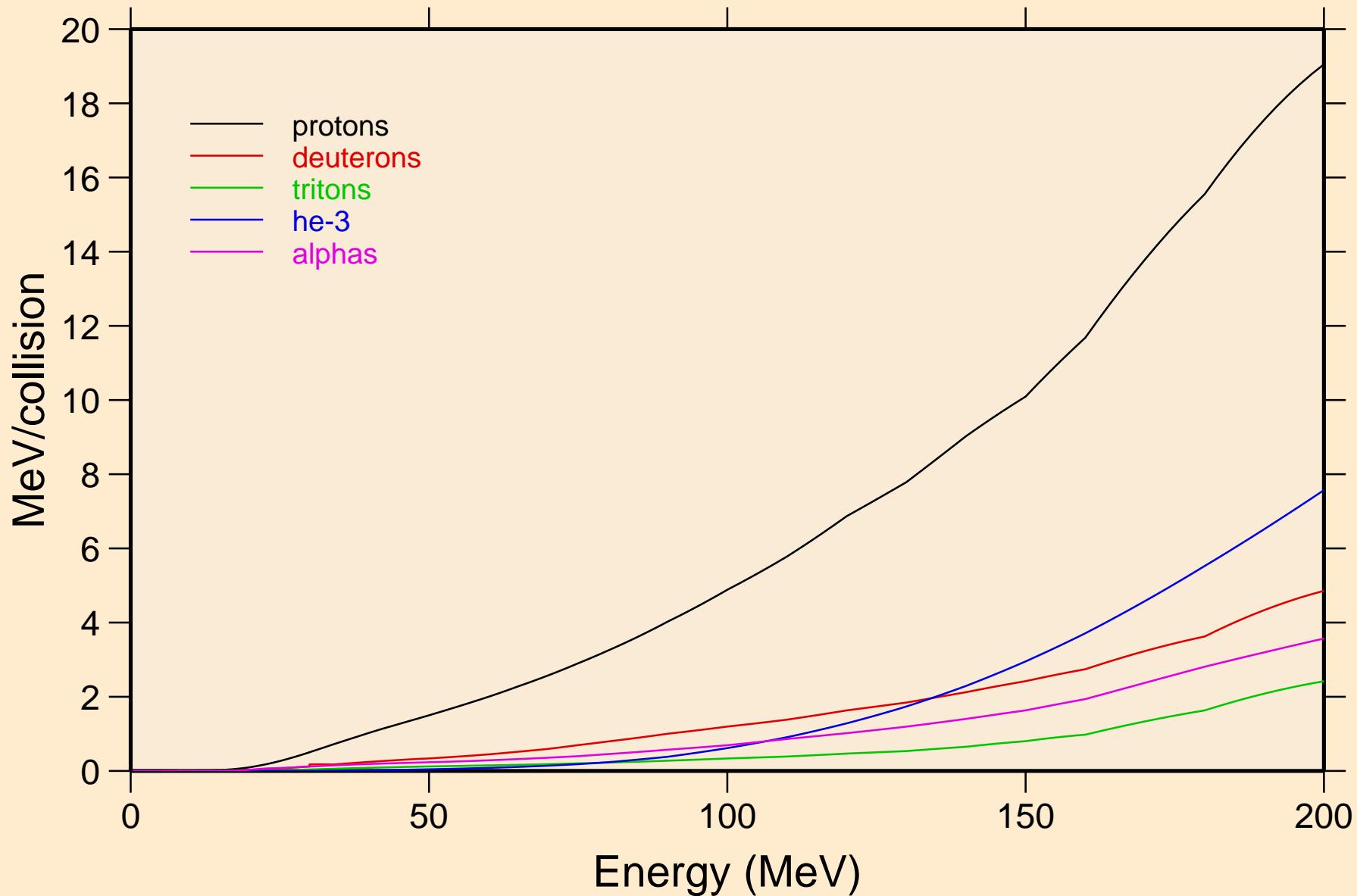


IN117 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



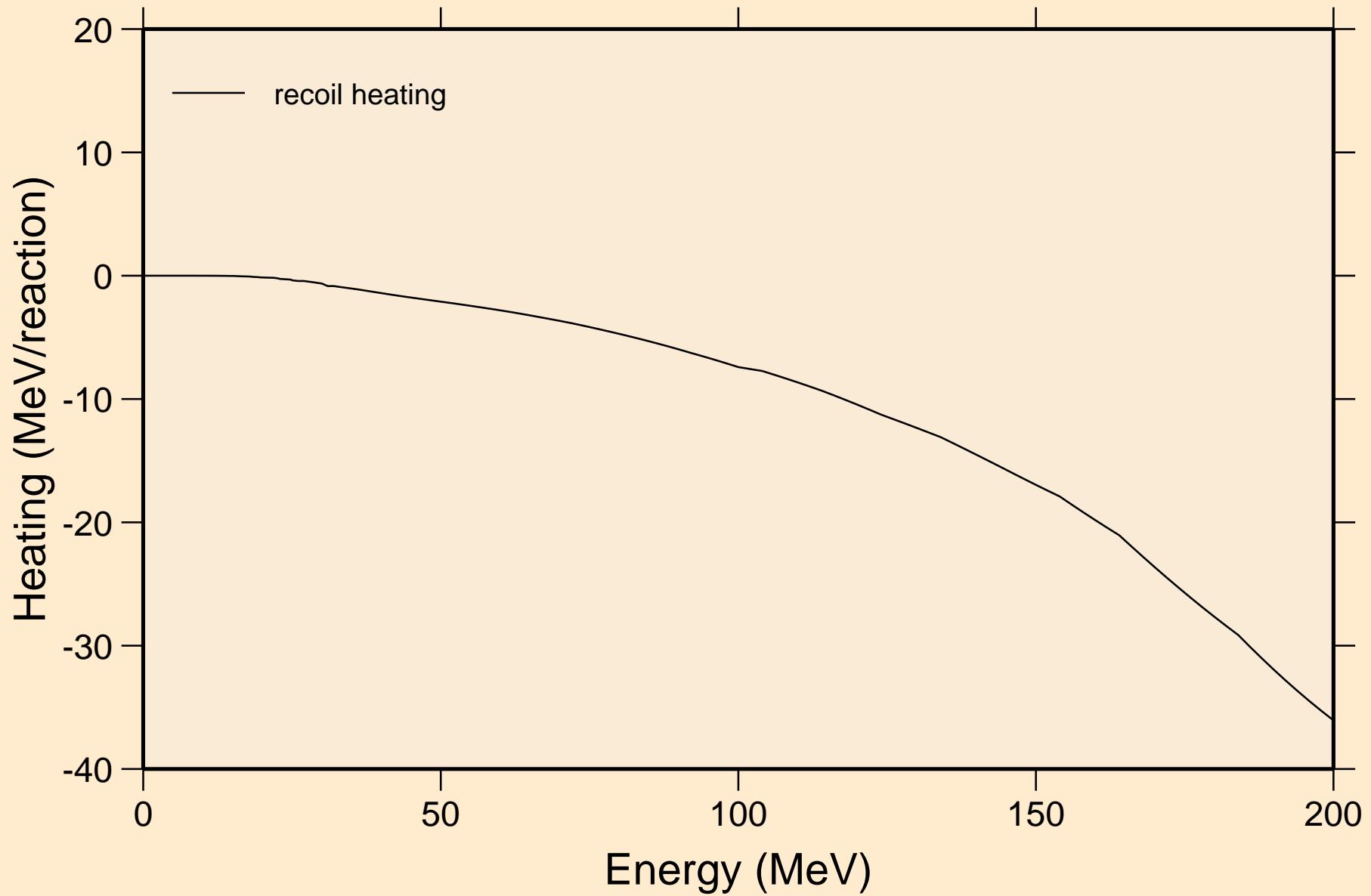
# IN117 NRG TENDL-2015, AKONING

## Particle heating contributions

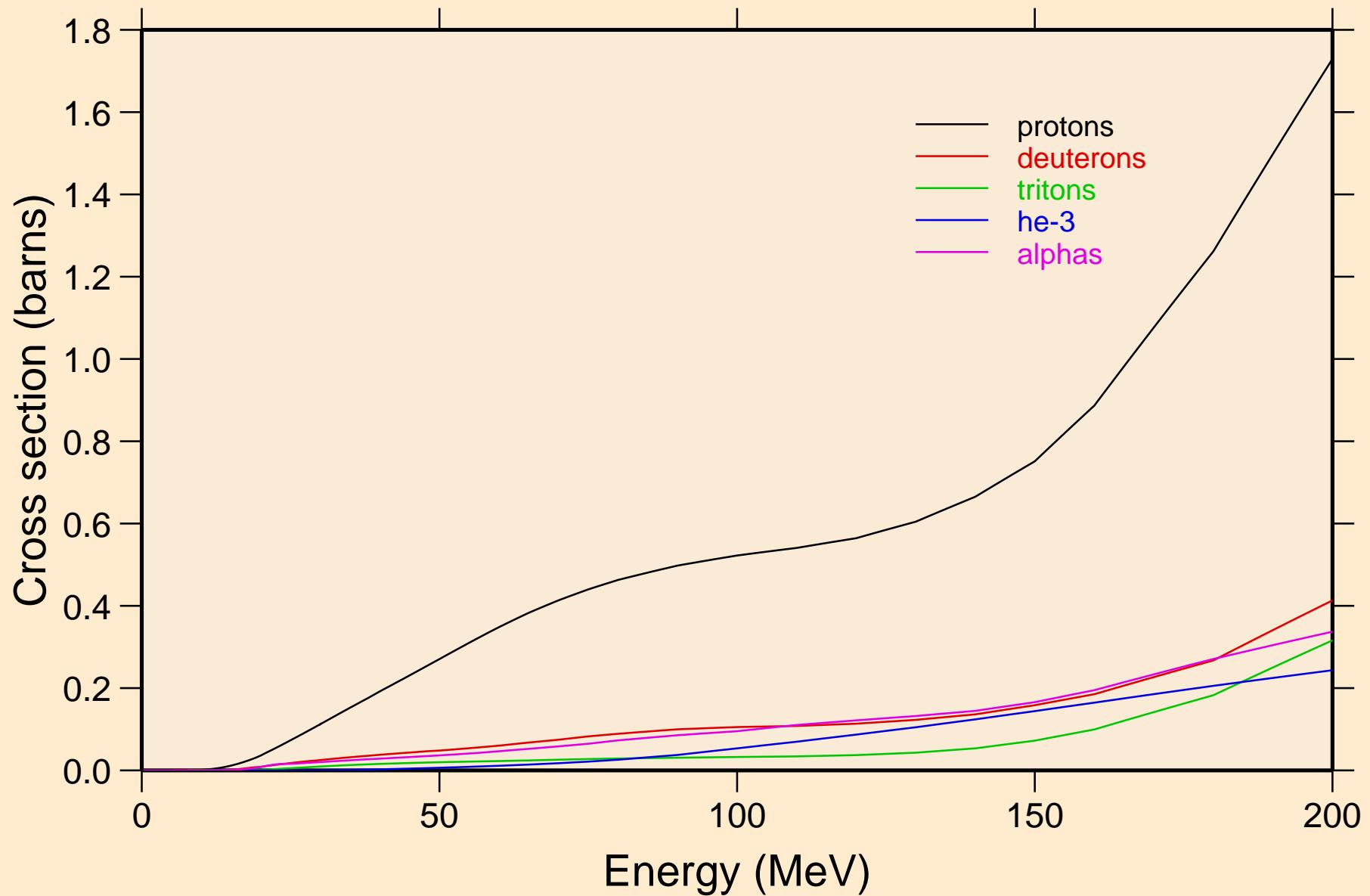


# IN117 NRG TENDL-2015, AKONING

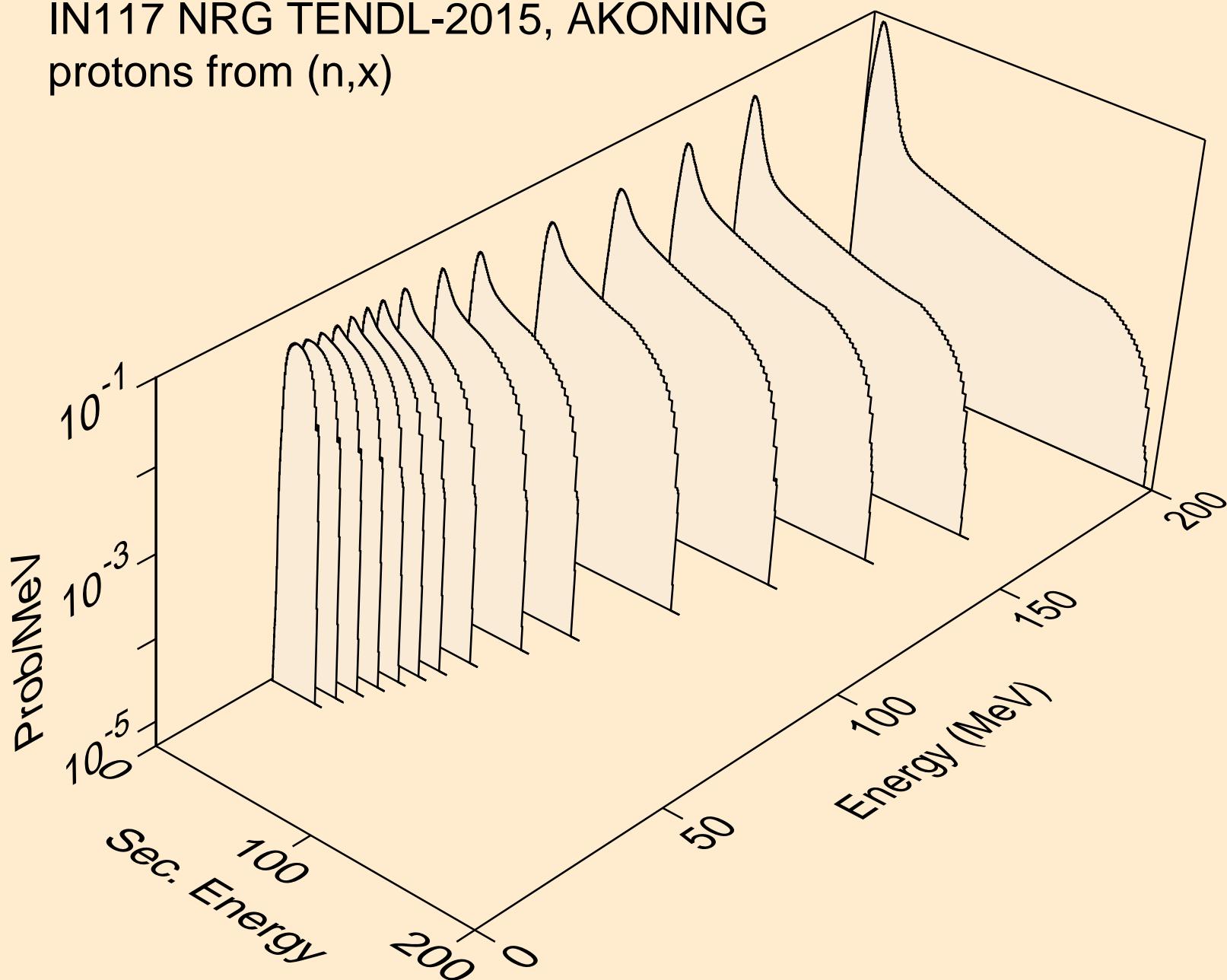
## Recoil Heating



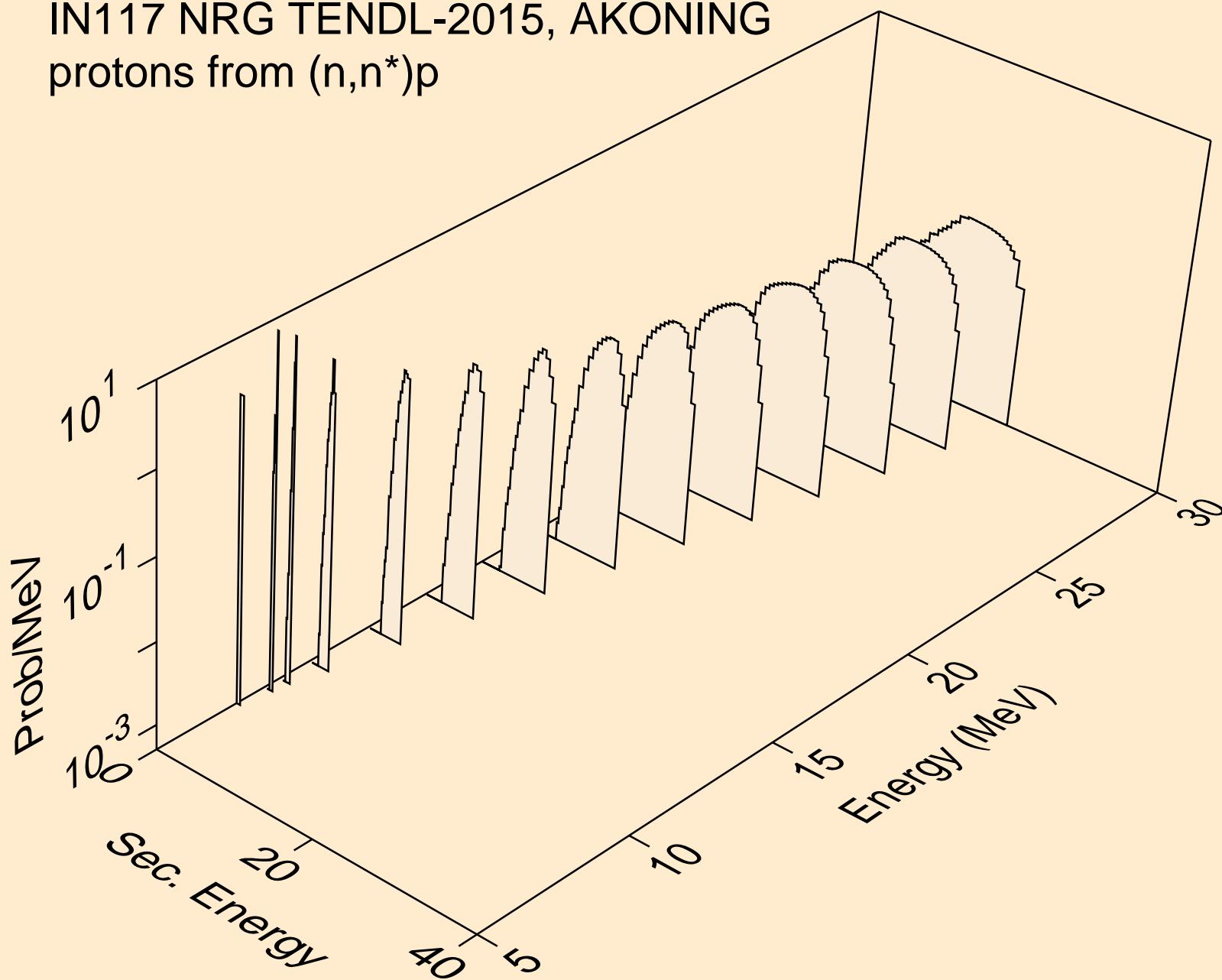
IN117 NRG TENDL-2015, AKONING  
Particle production cross sections



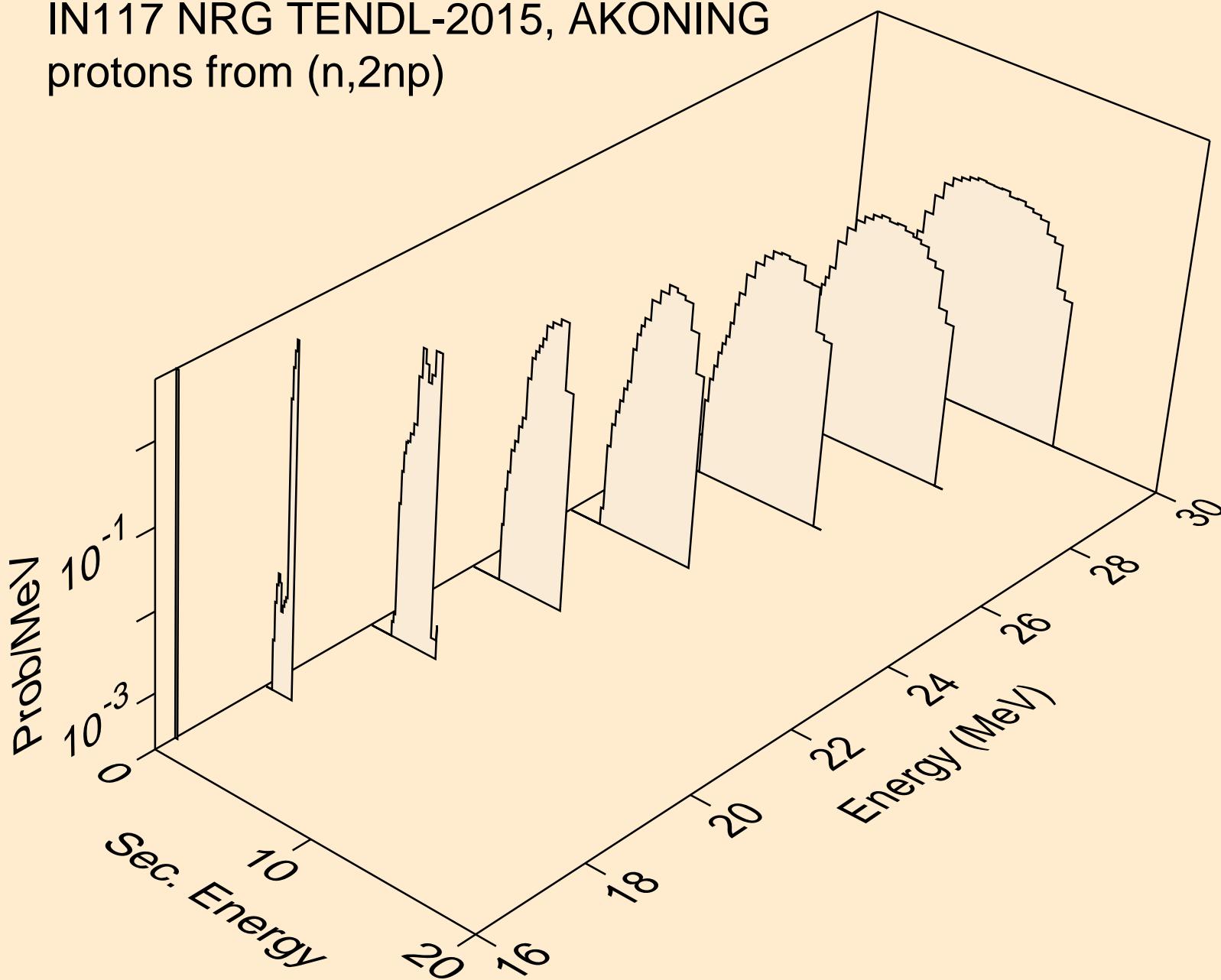
IN117 NRG TENDL-2015, AKONING  
protons from ( $n, x$ )



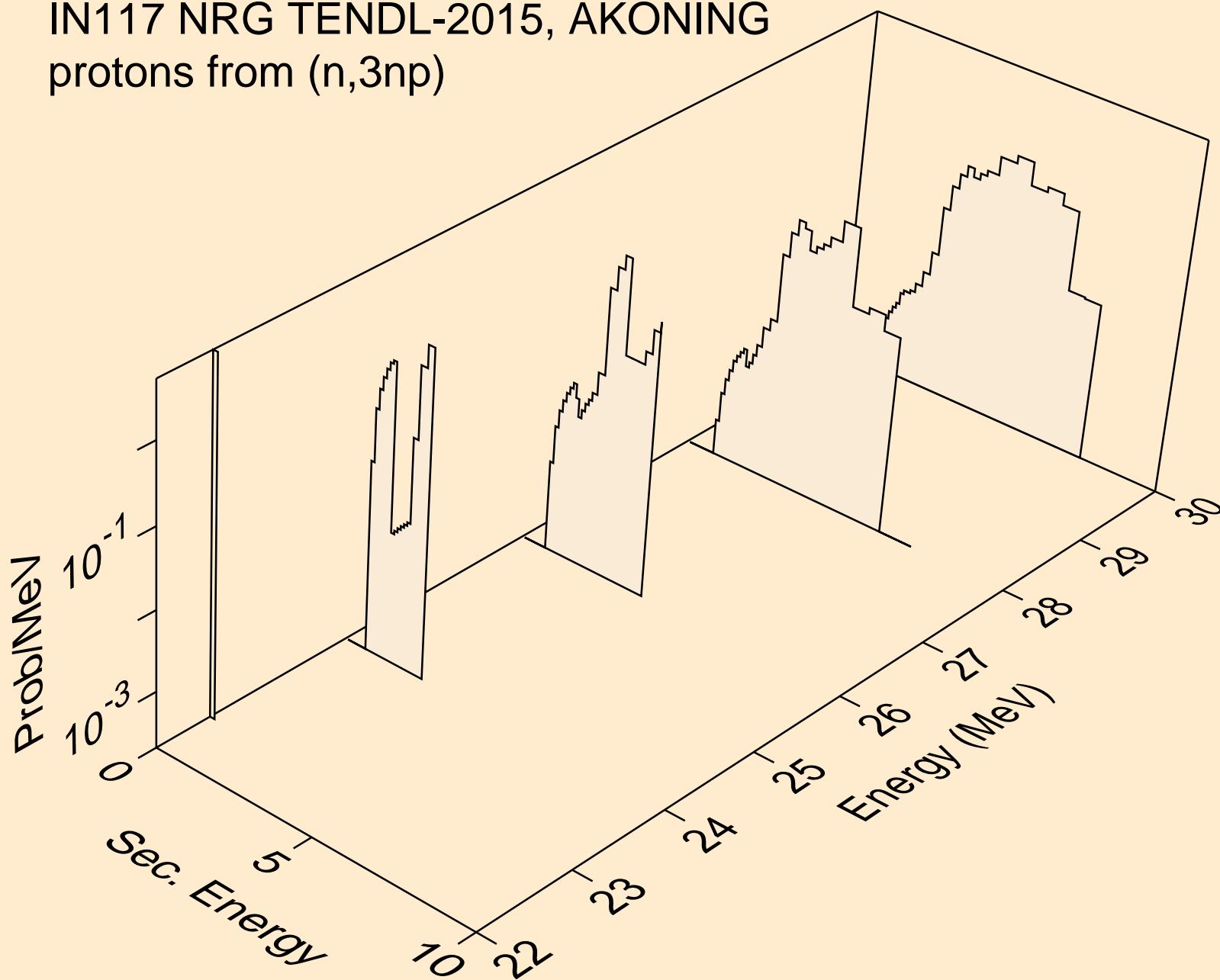
IN117 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



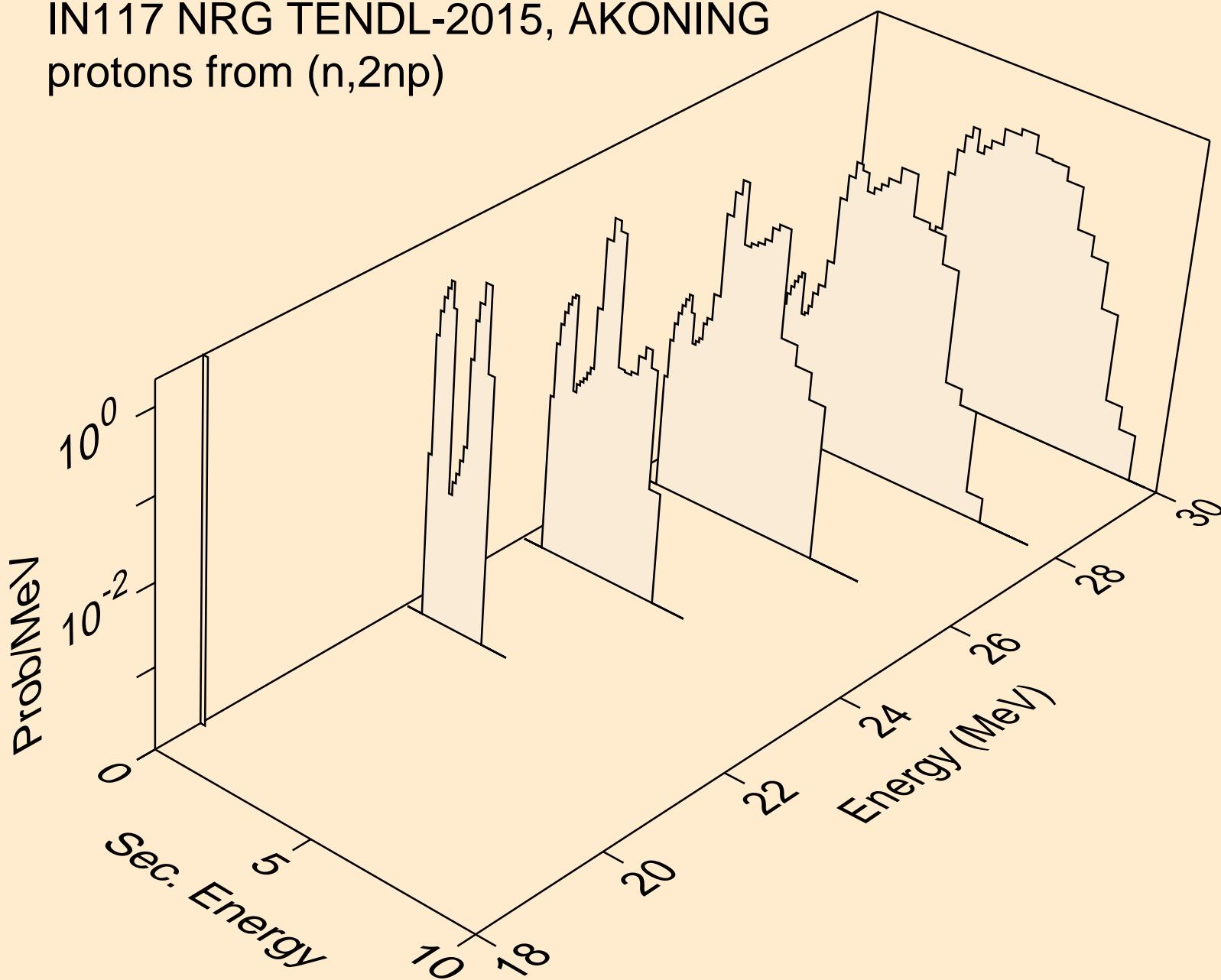
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protons from ( $n,2np$ )



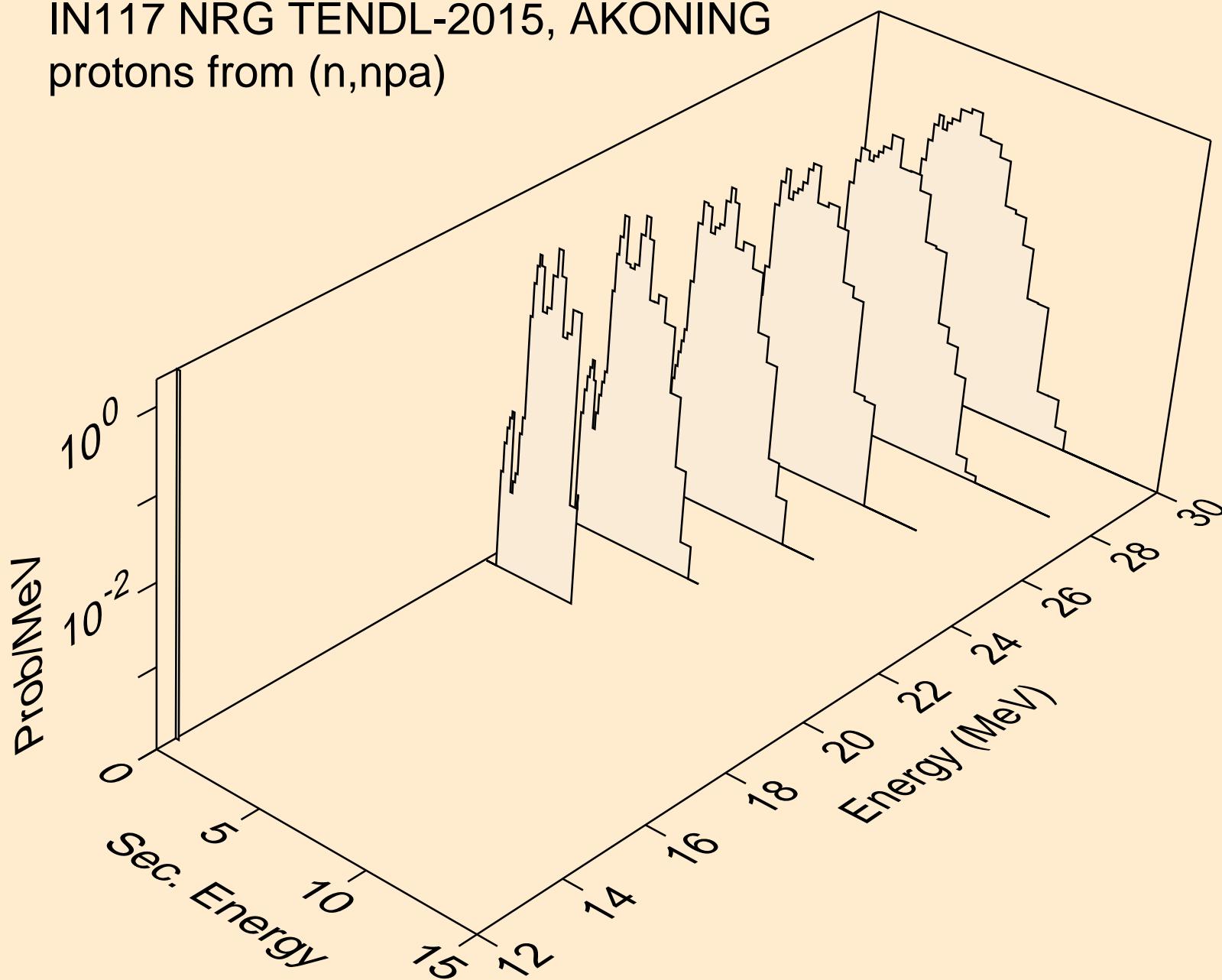
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protons from ( $n,3np$ )



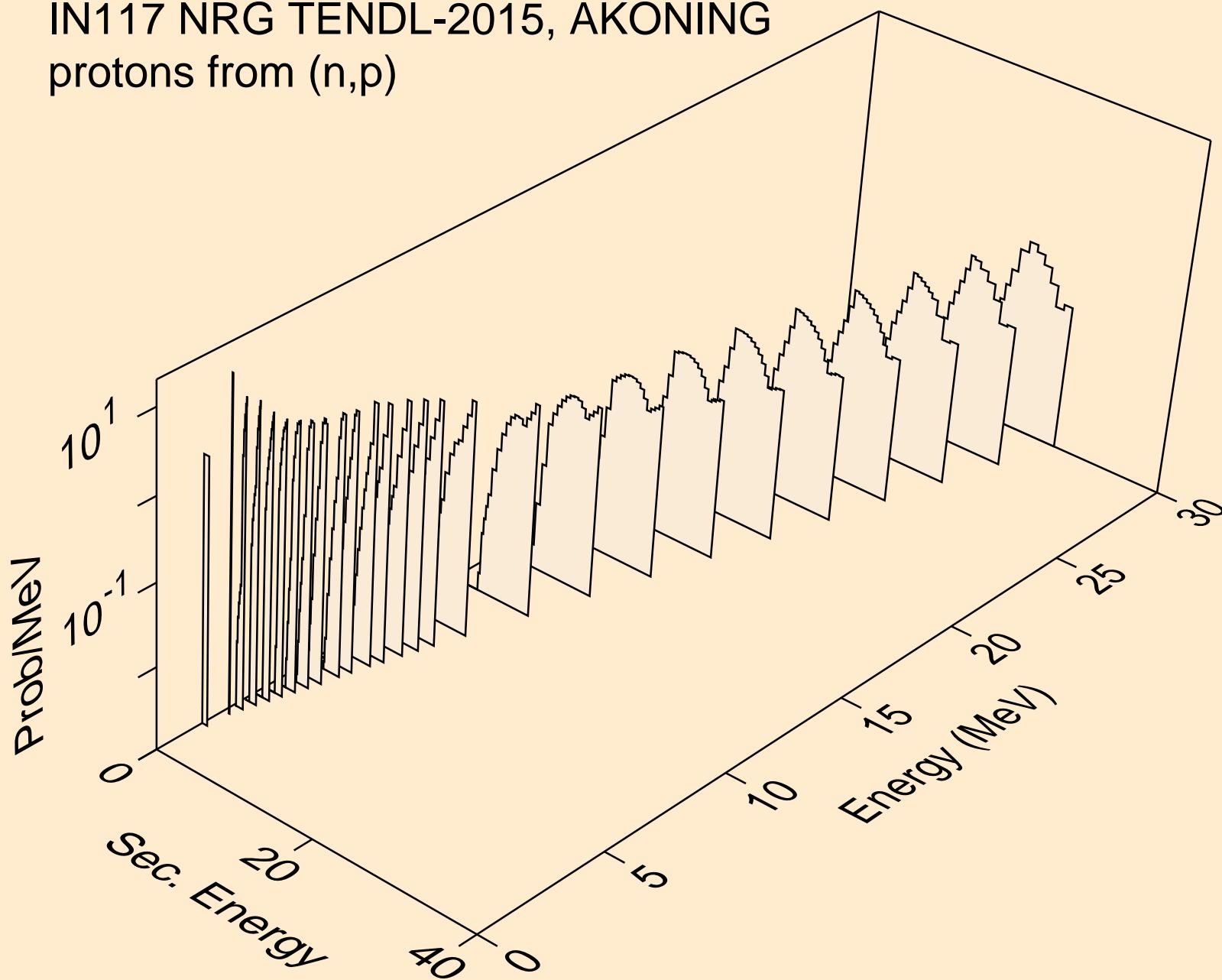
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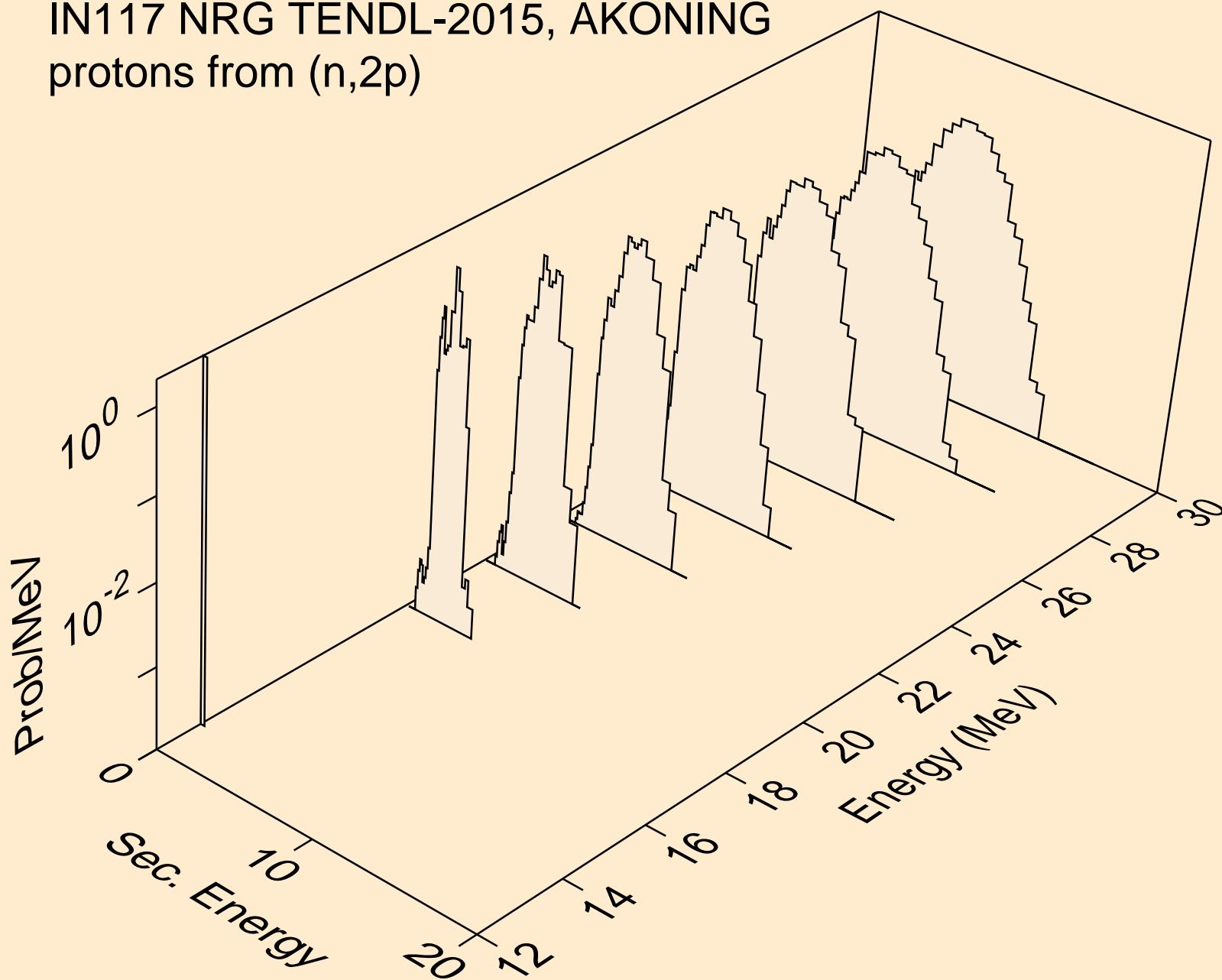
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protons from (n,npa)



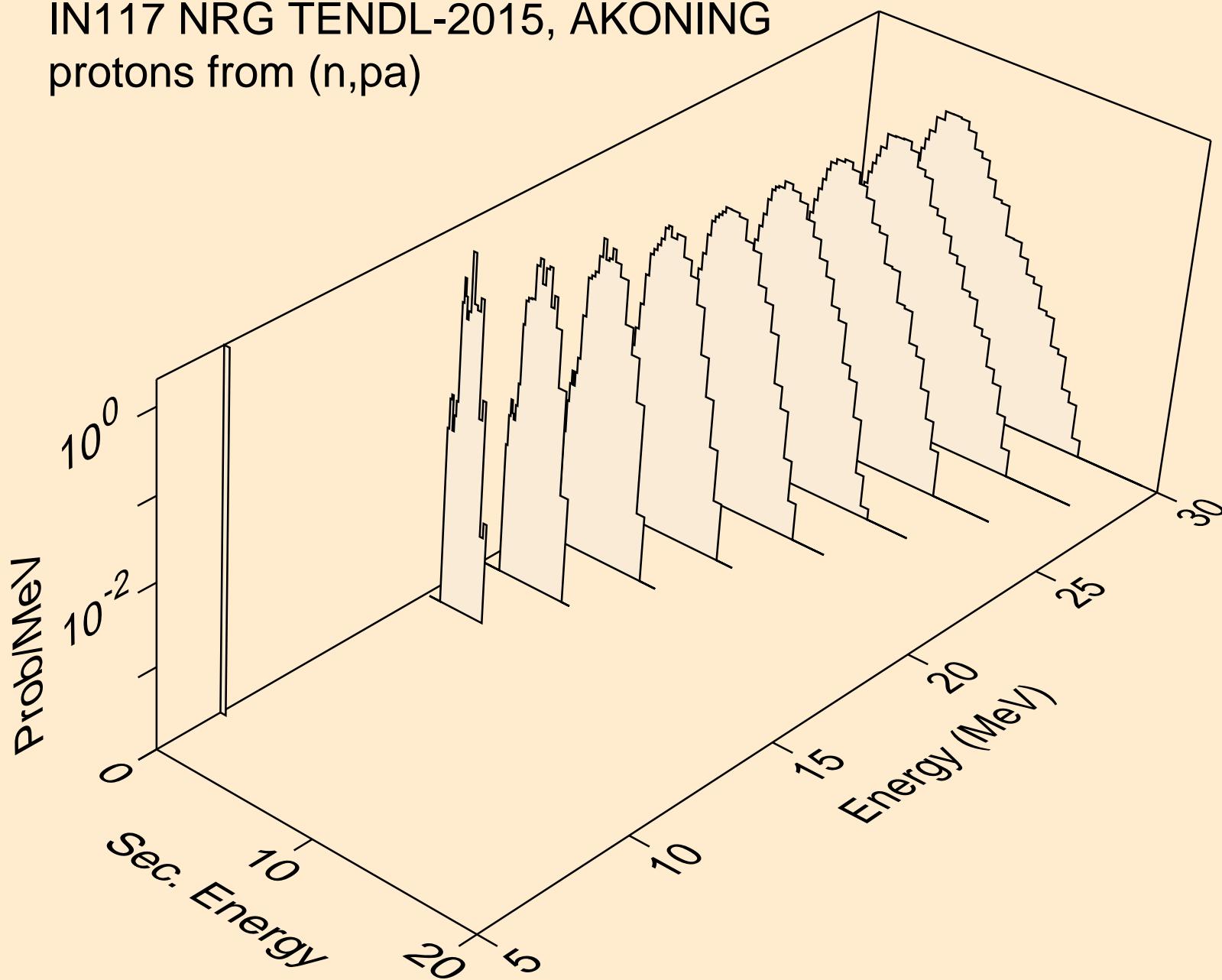
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protons from (n,p)



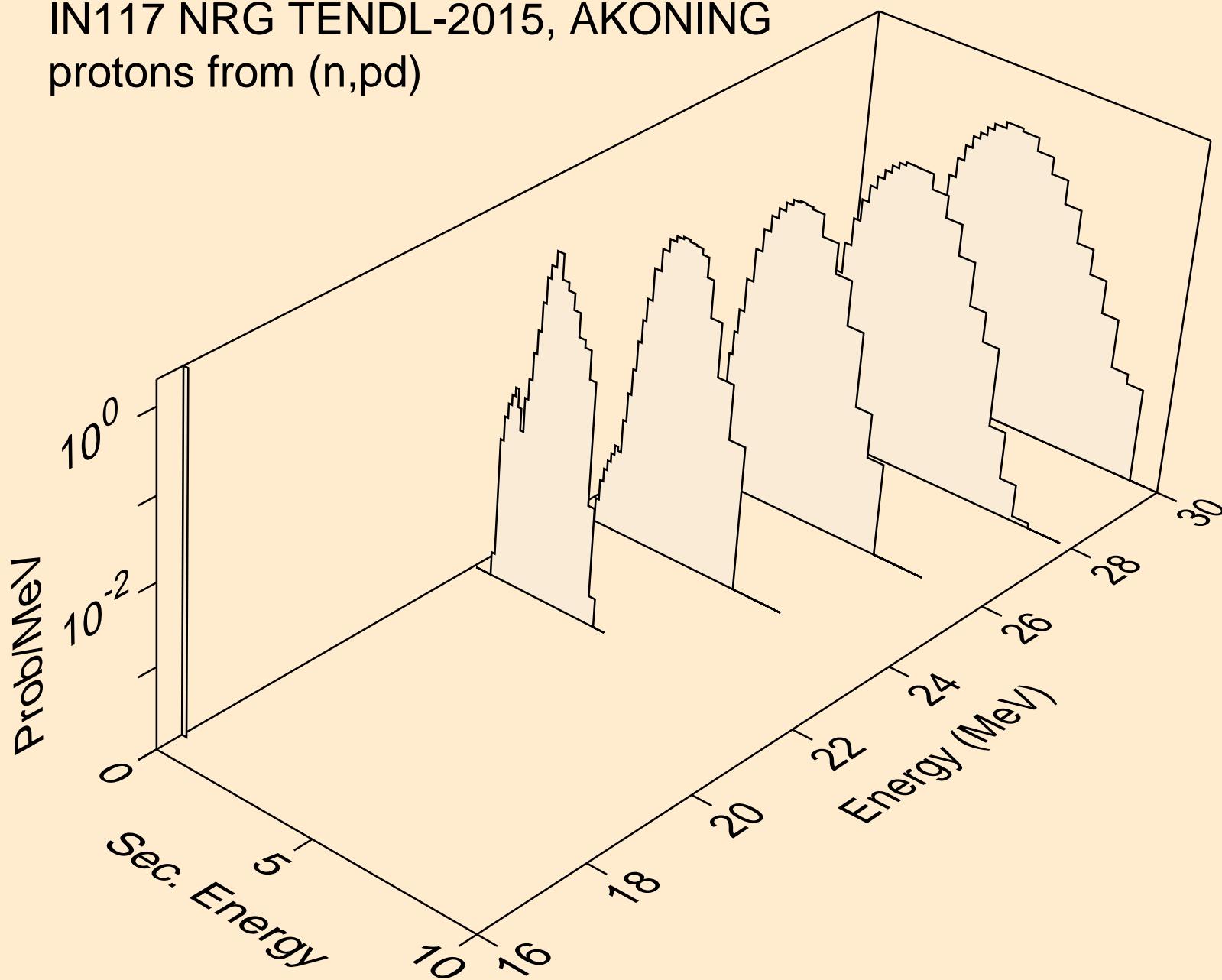
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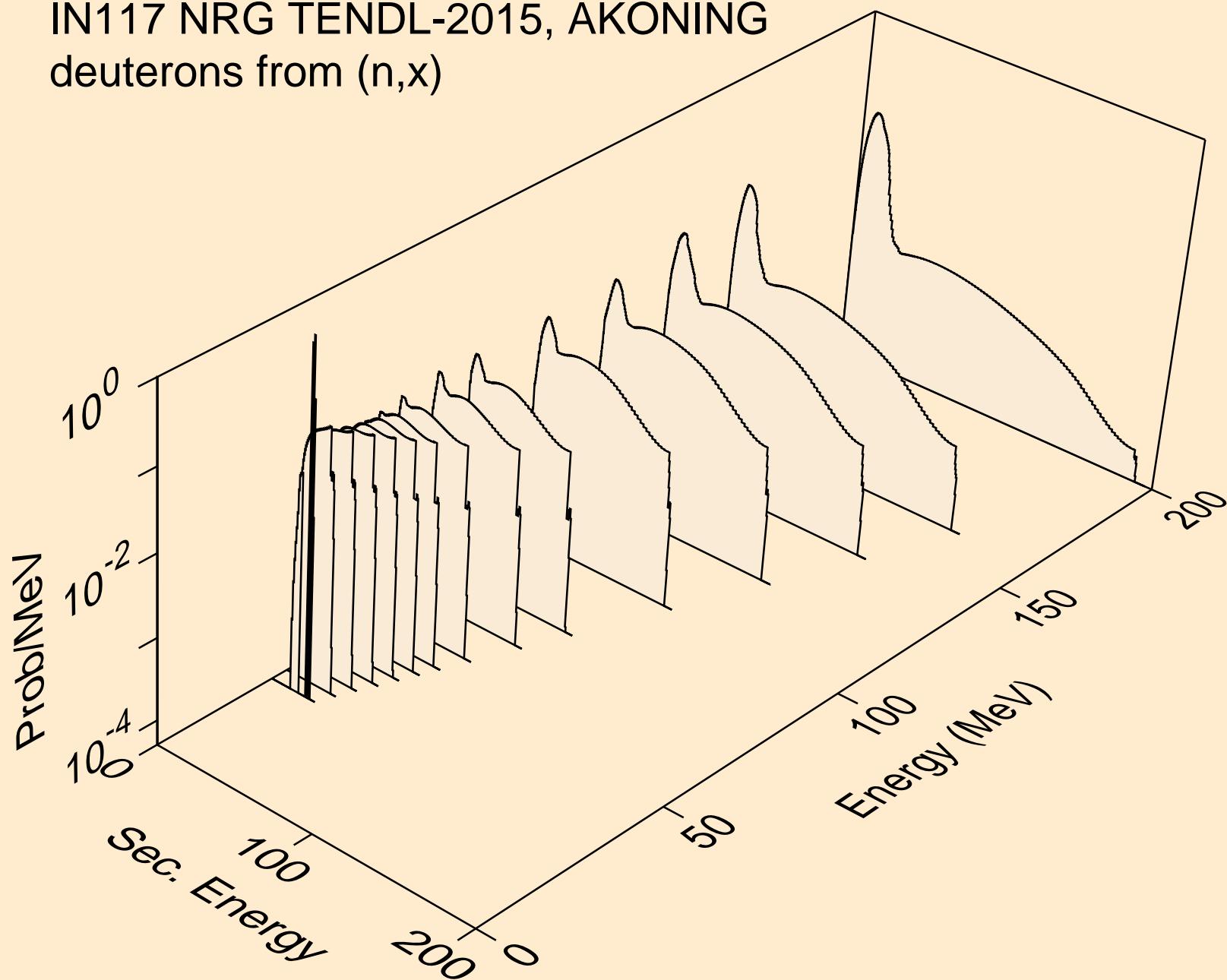
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protons from (n,pa)



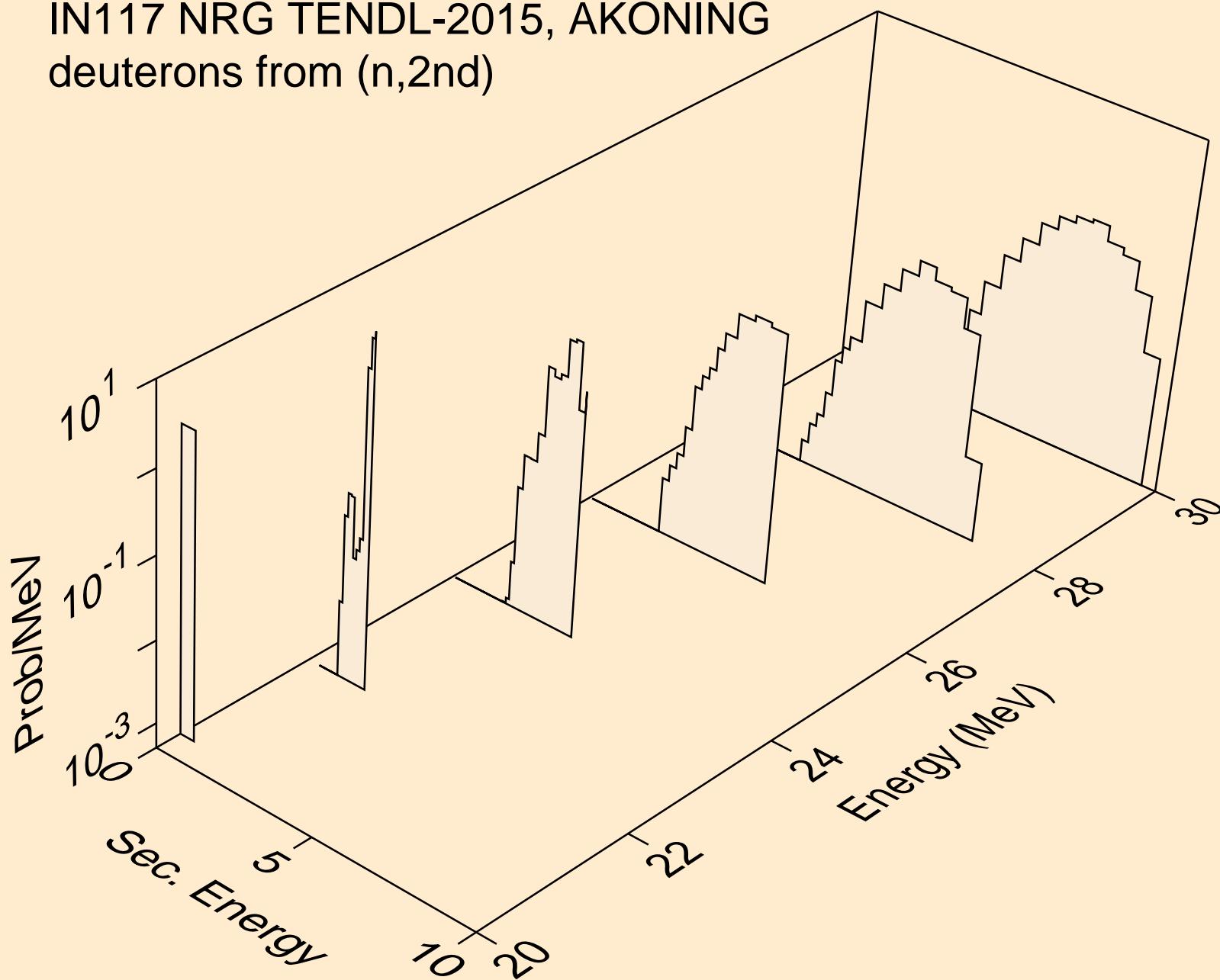
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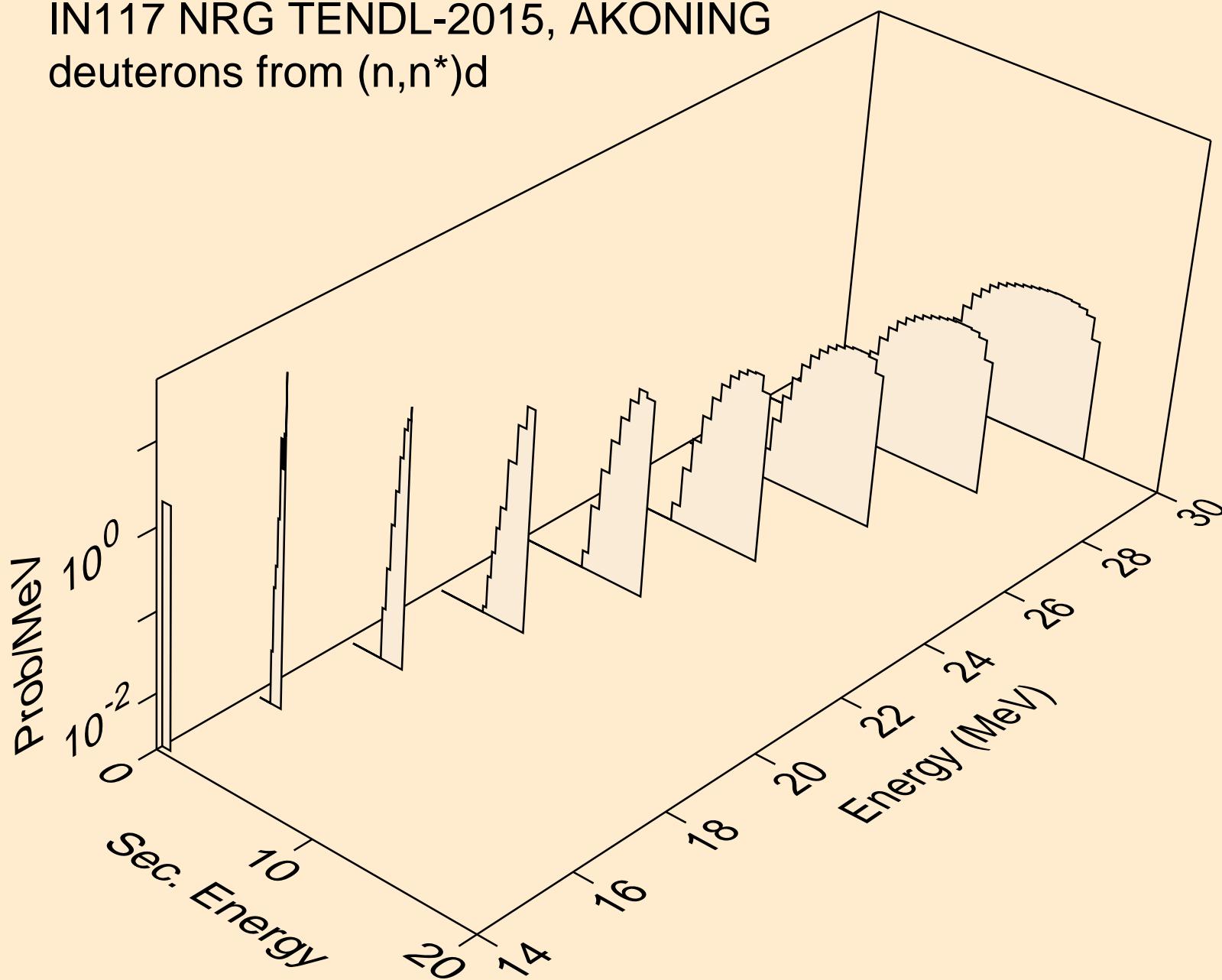
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deuterons from ( $n,x$ )



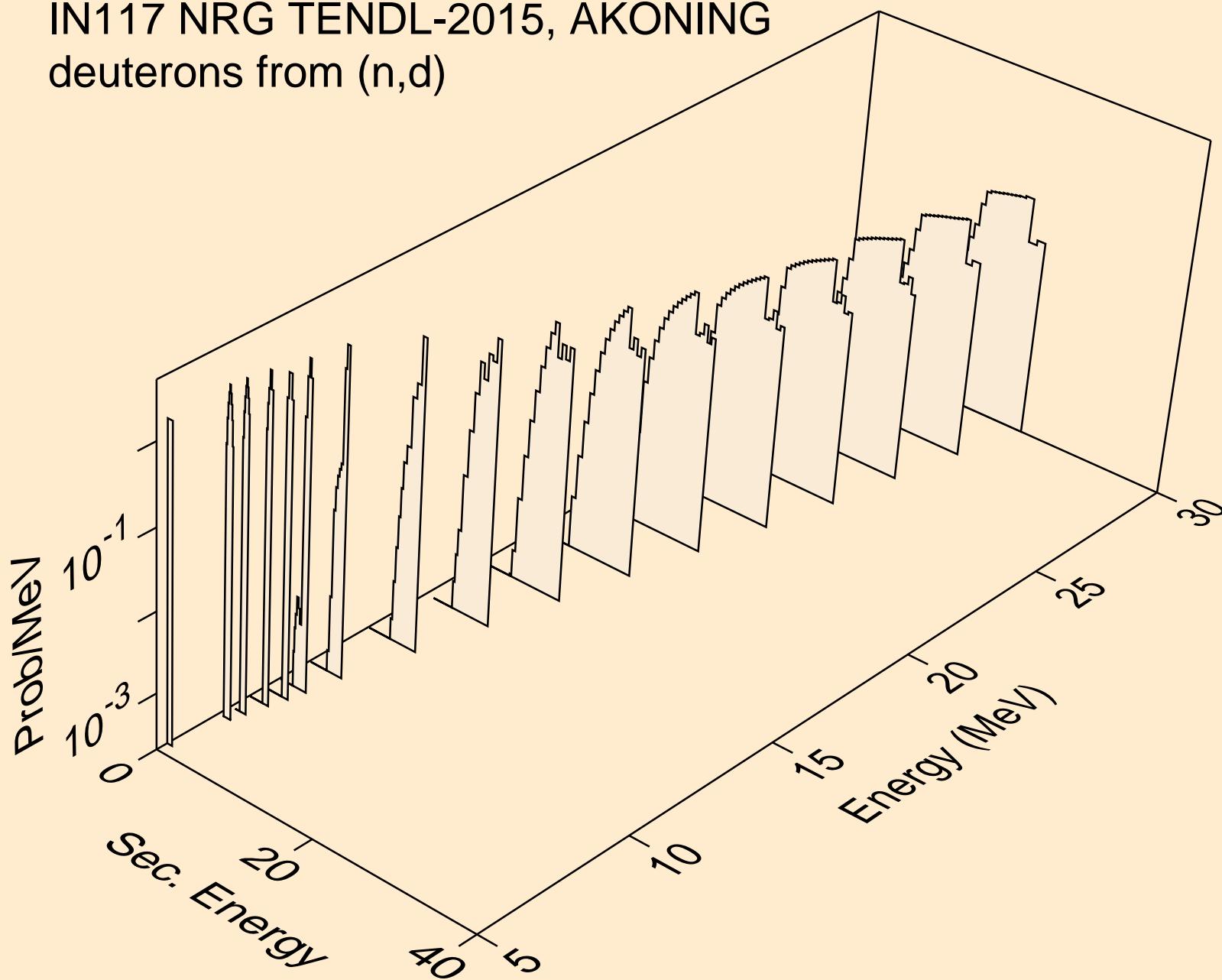
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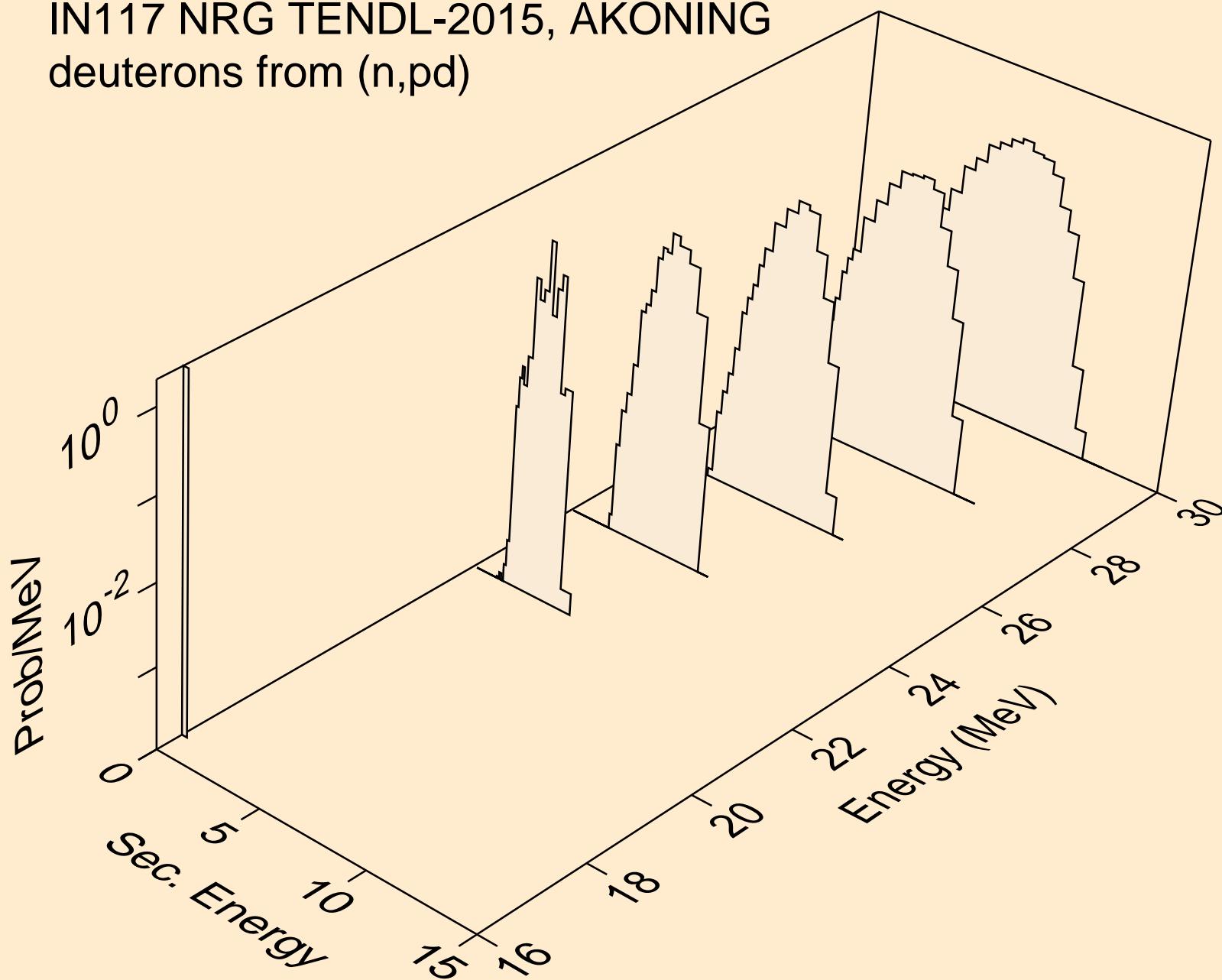
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deuterons from ( $n, n^*$ )d



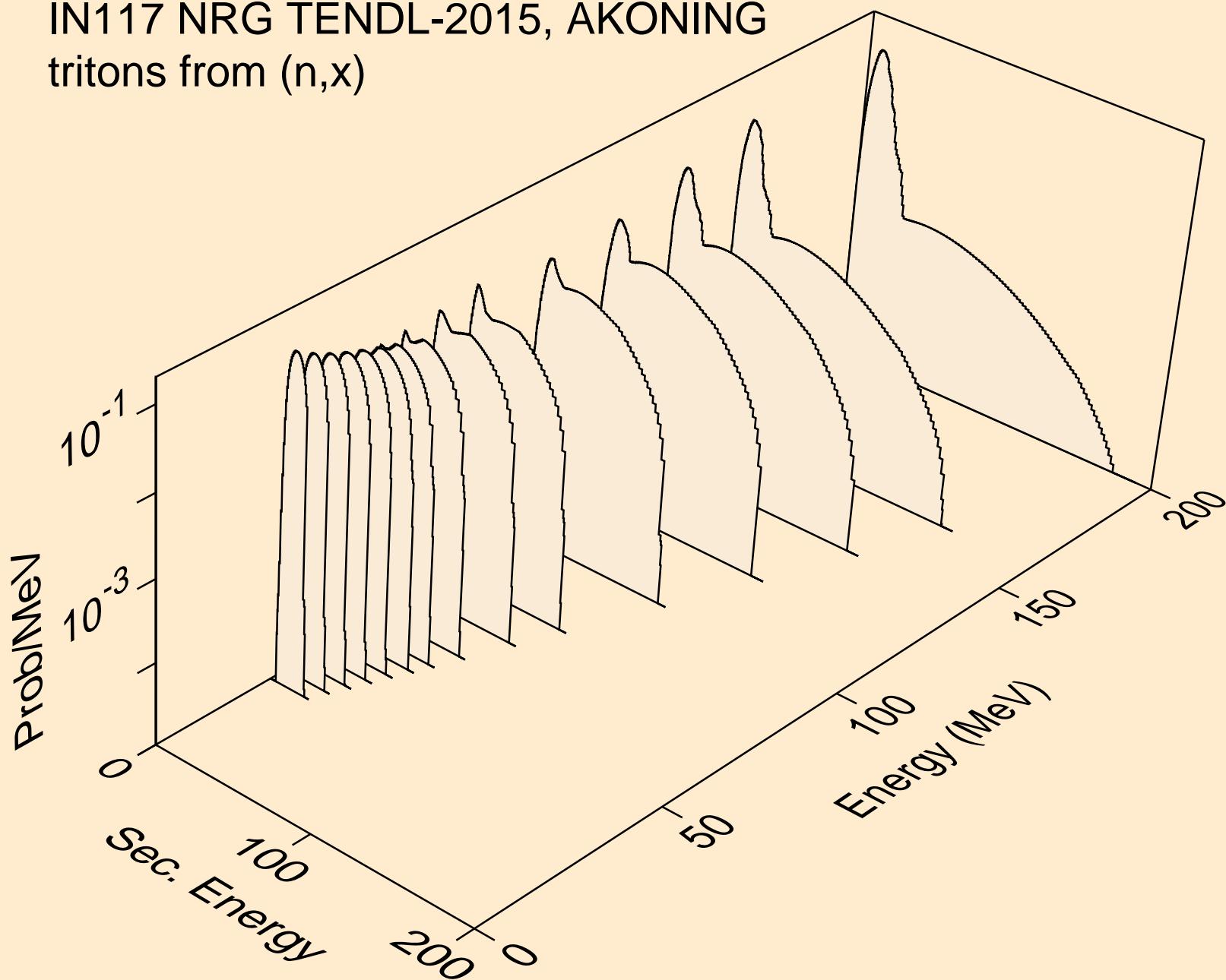
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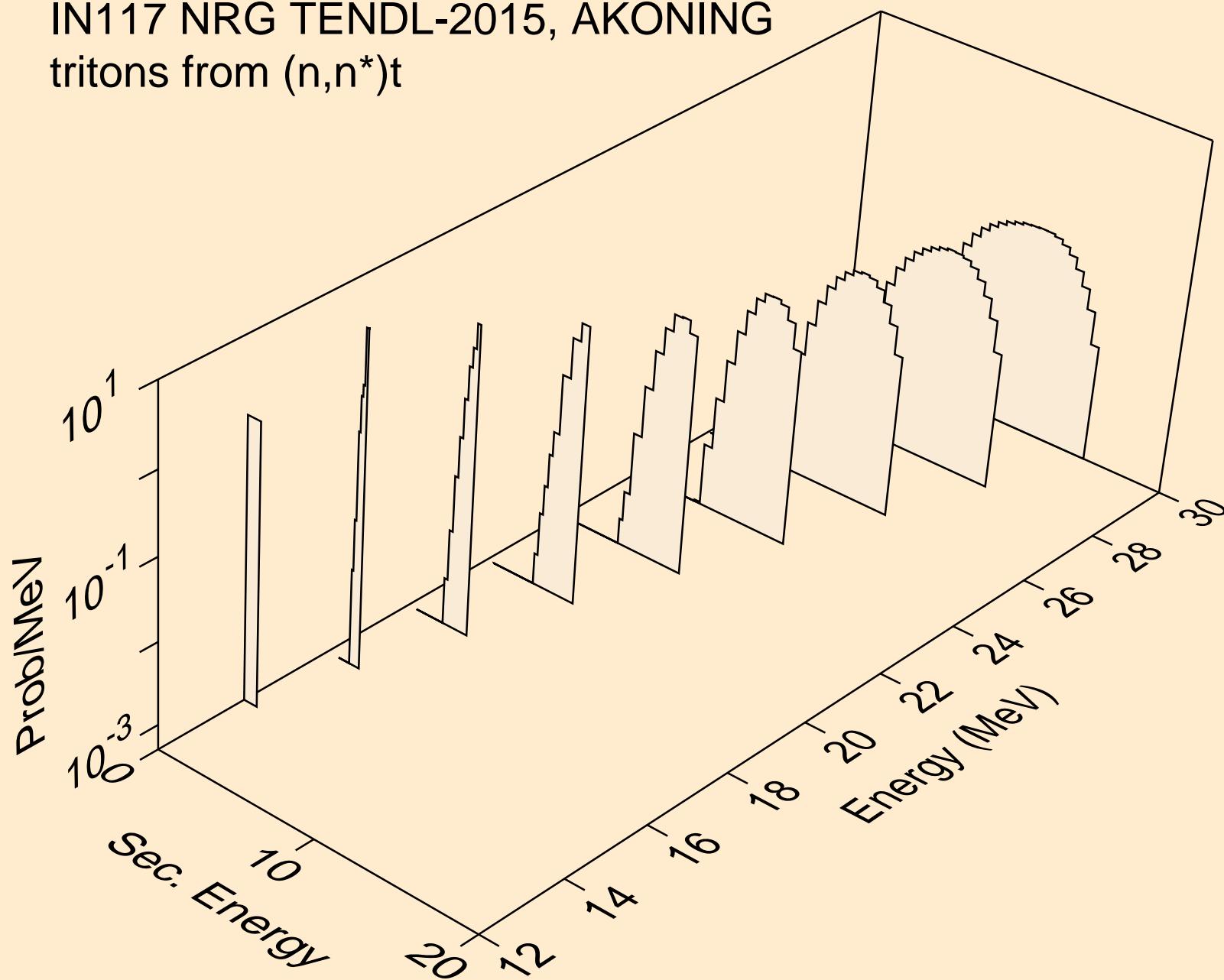
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deuterons from (n,pd)



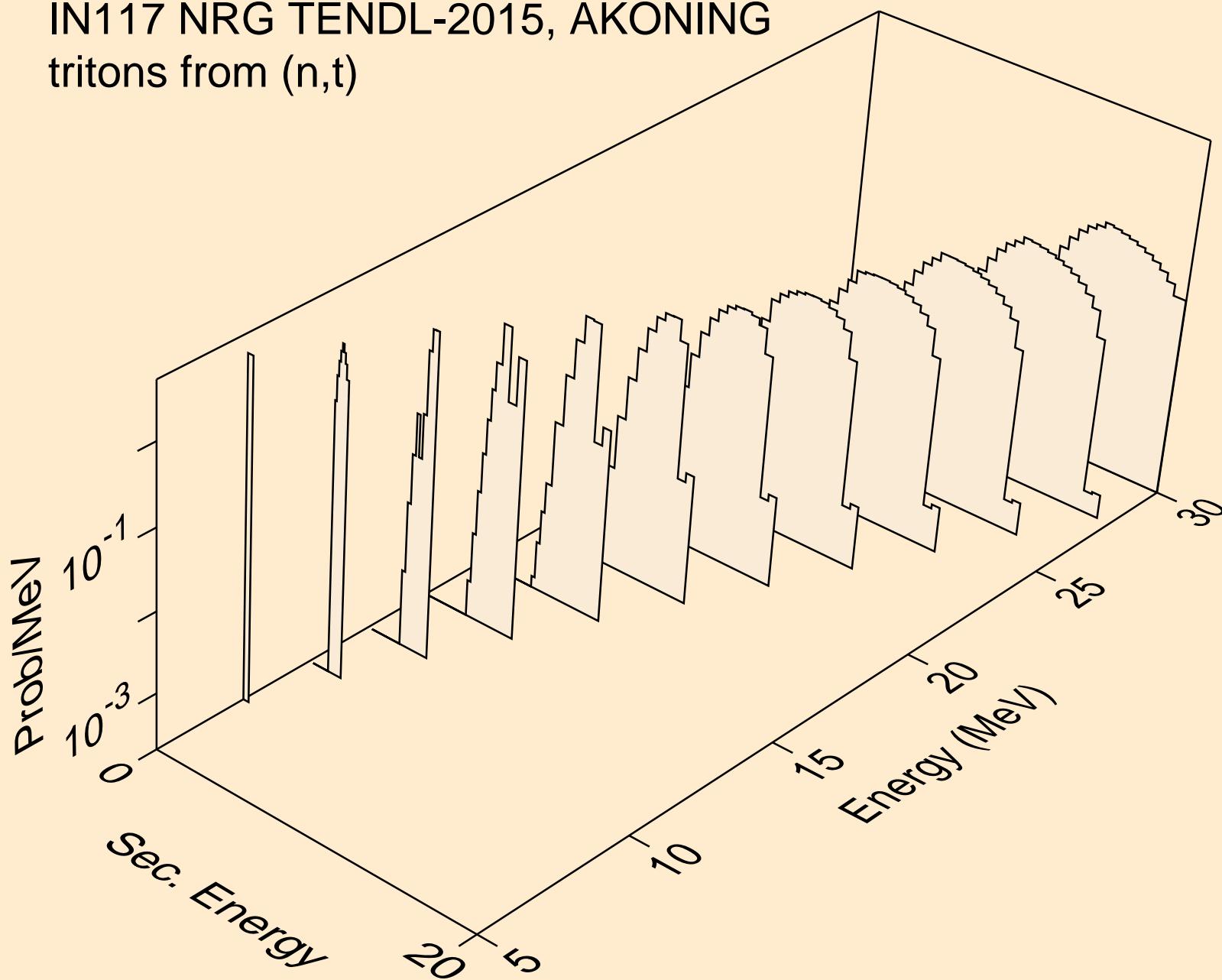
IN117 NRG TENDL-2015, AKONING  
tritons from ( $n,x$ )



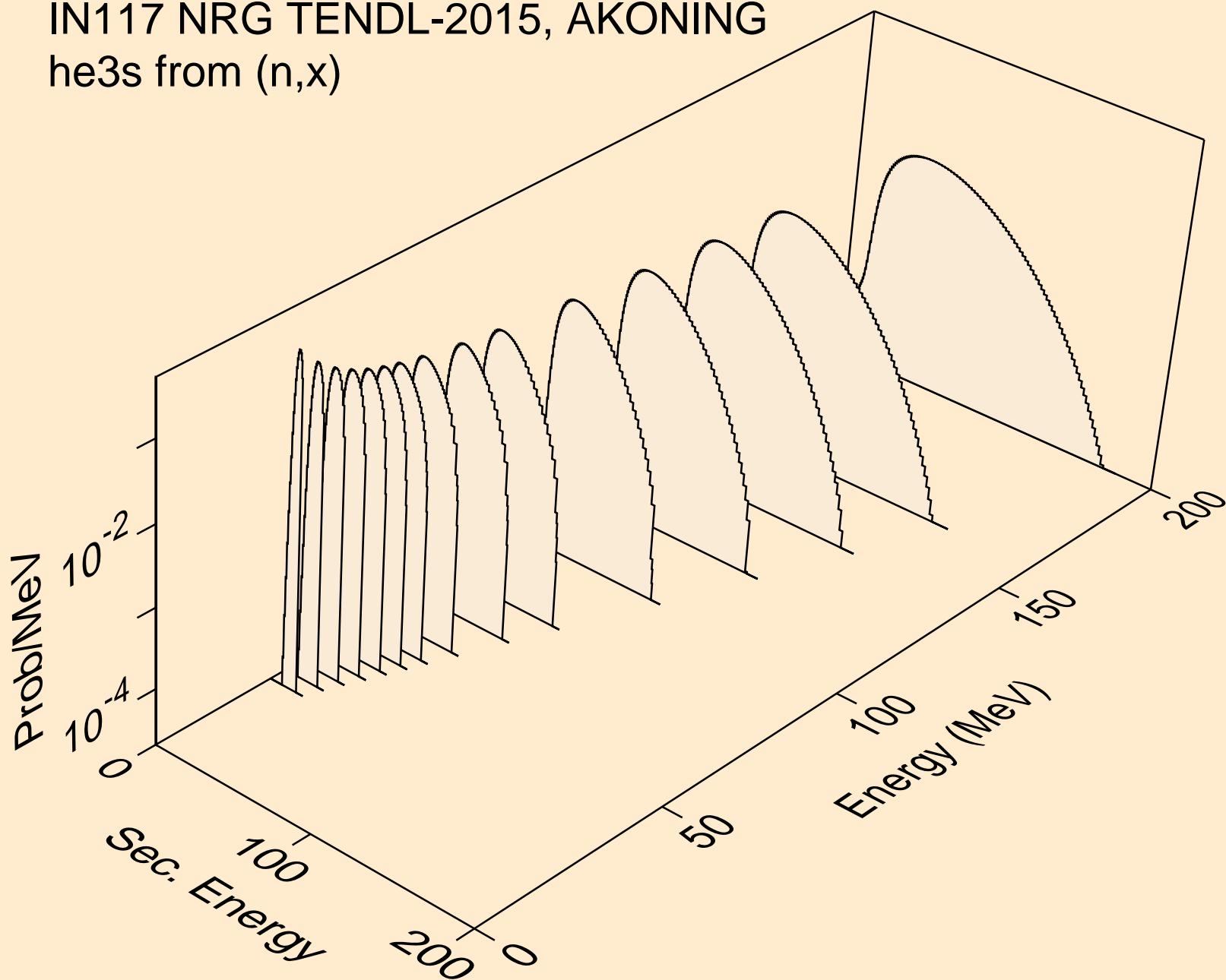
IN117 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



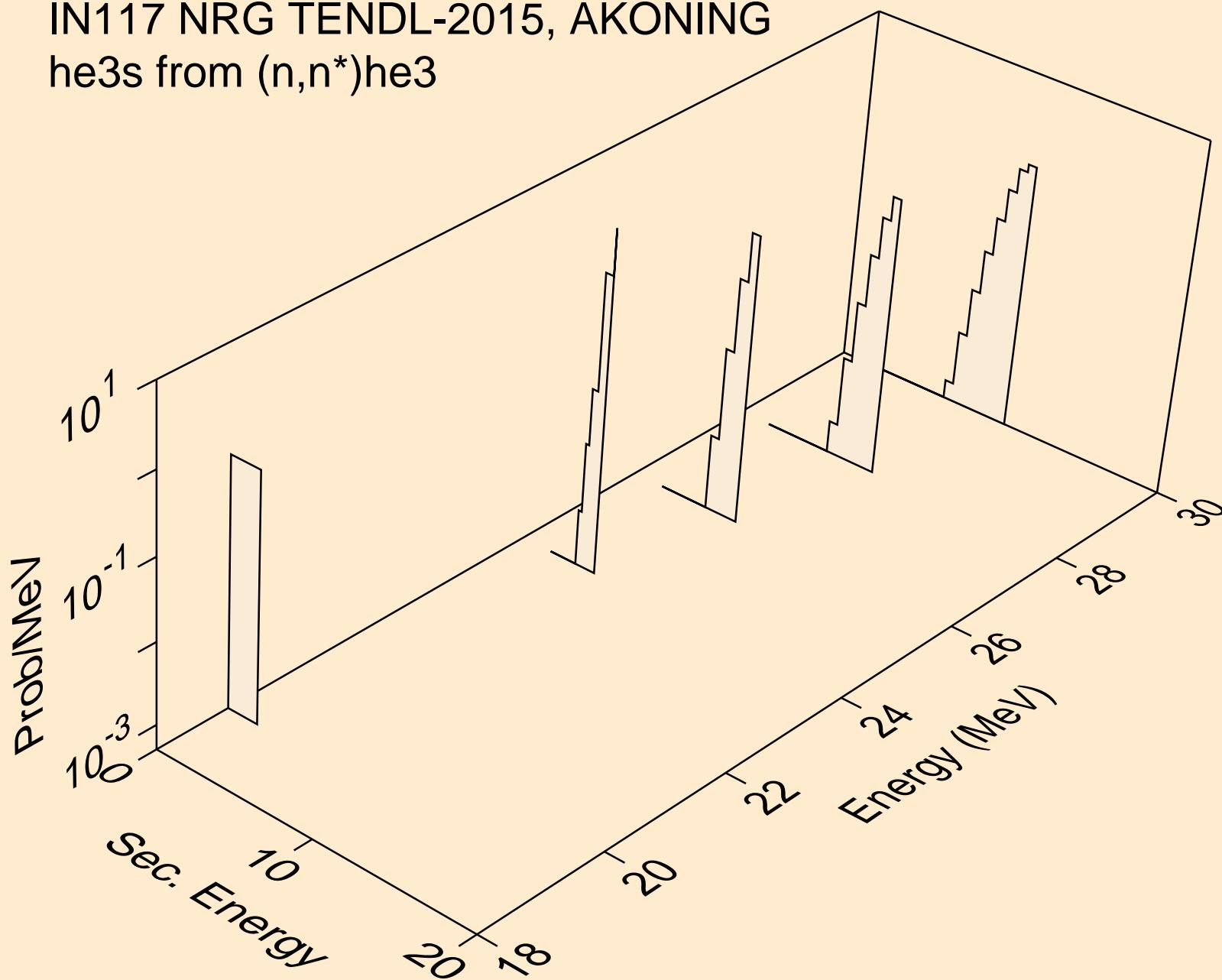
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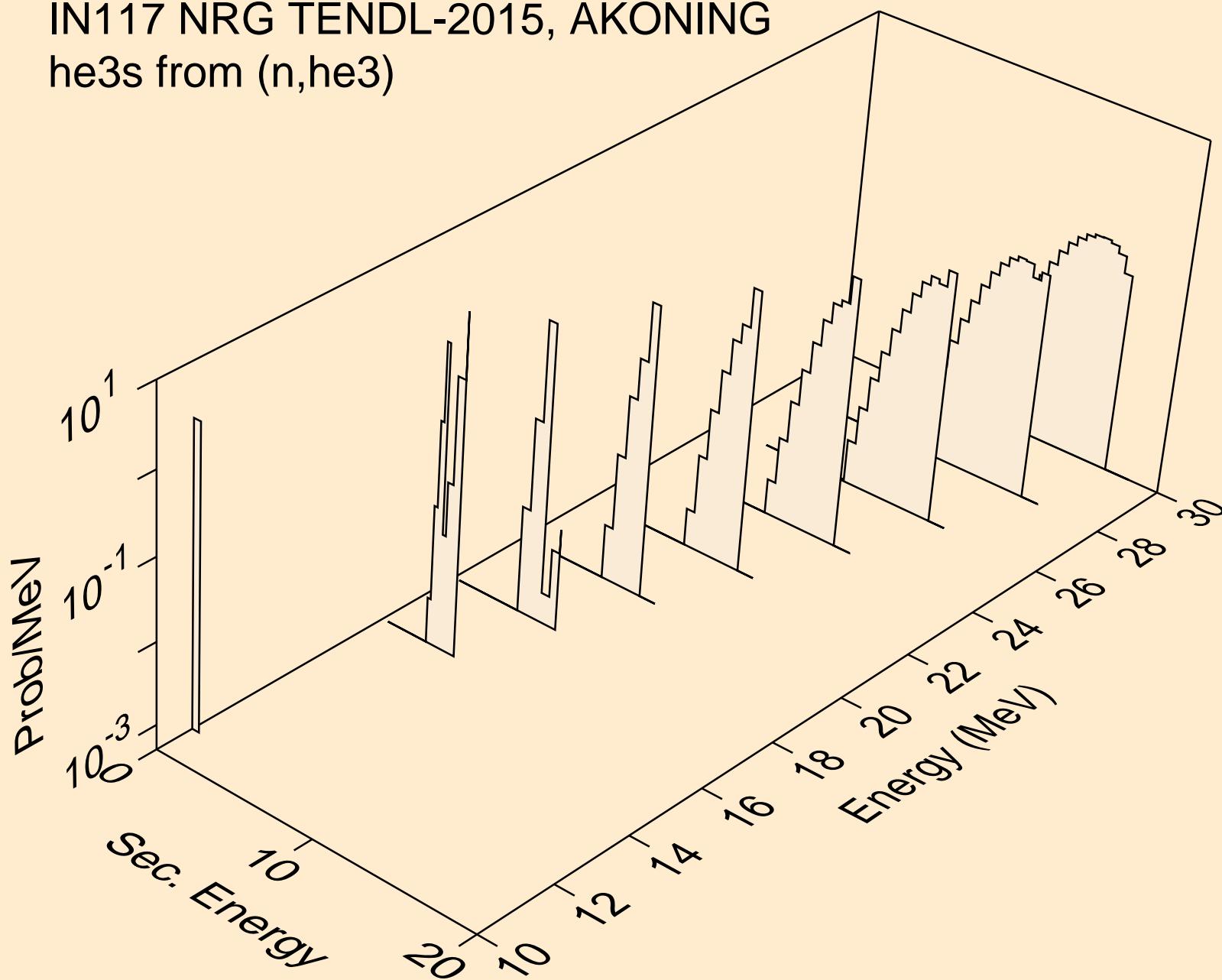
IN117 NRG TENDL-2015, AKONING  
he3s from (n,x)



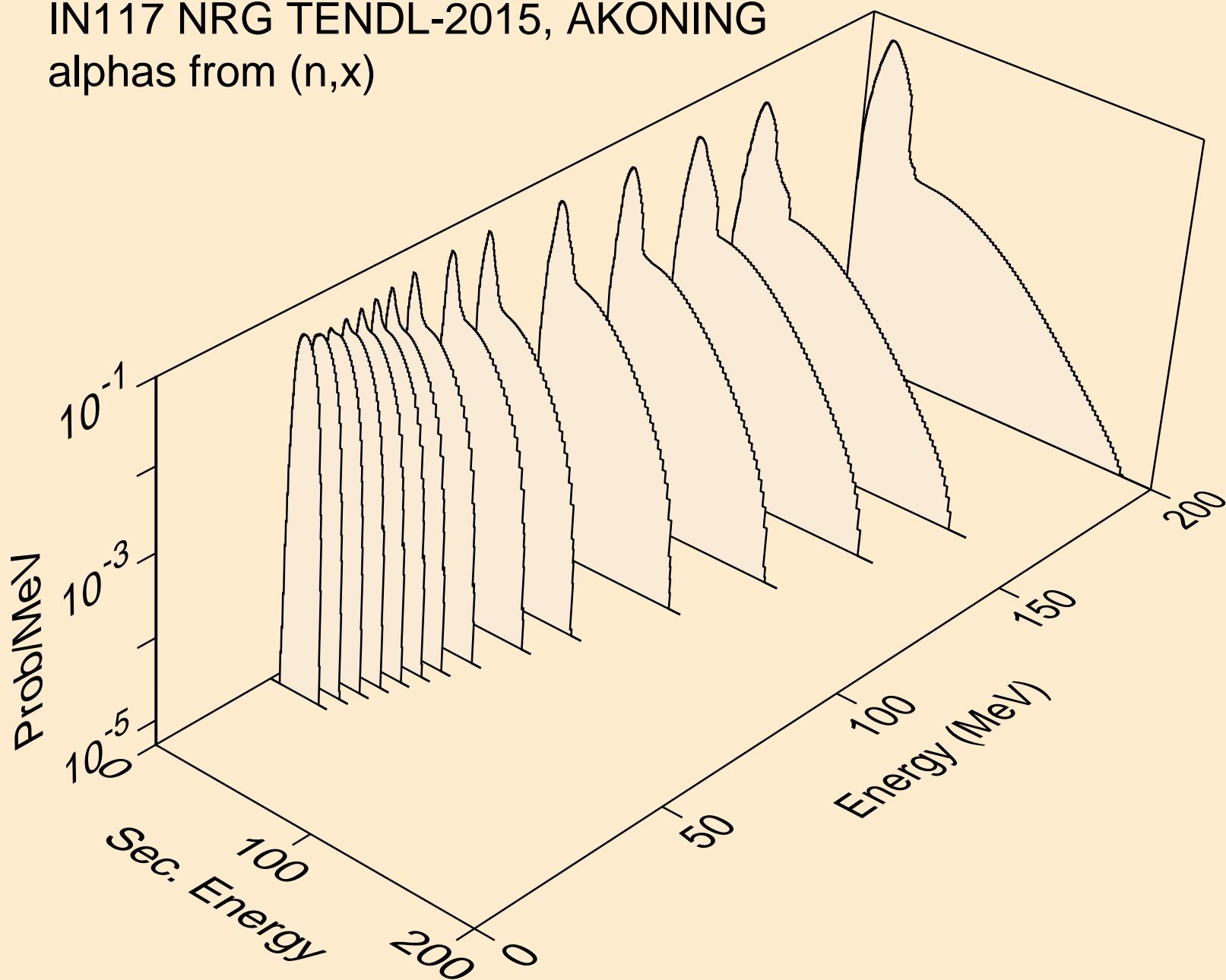
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he3s from  $(n,n^*)\text{he3}$



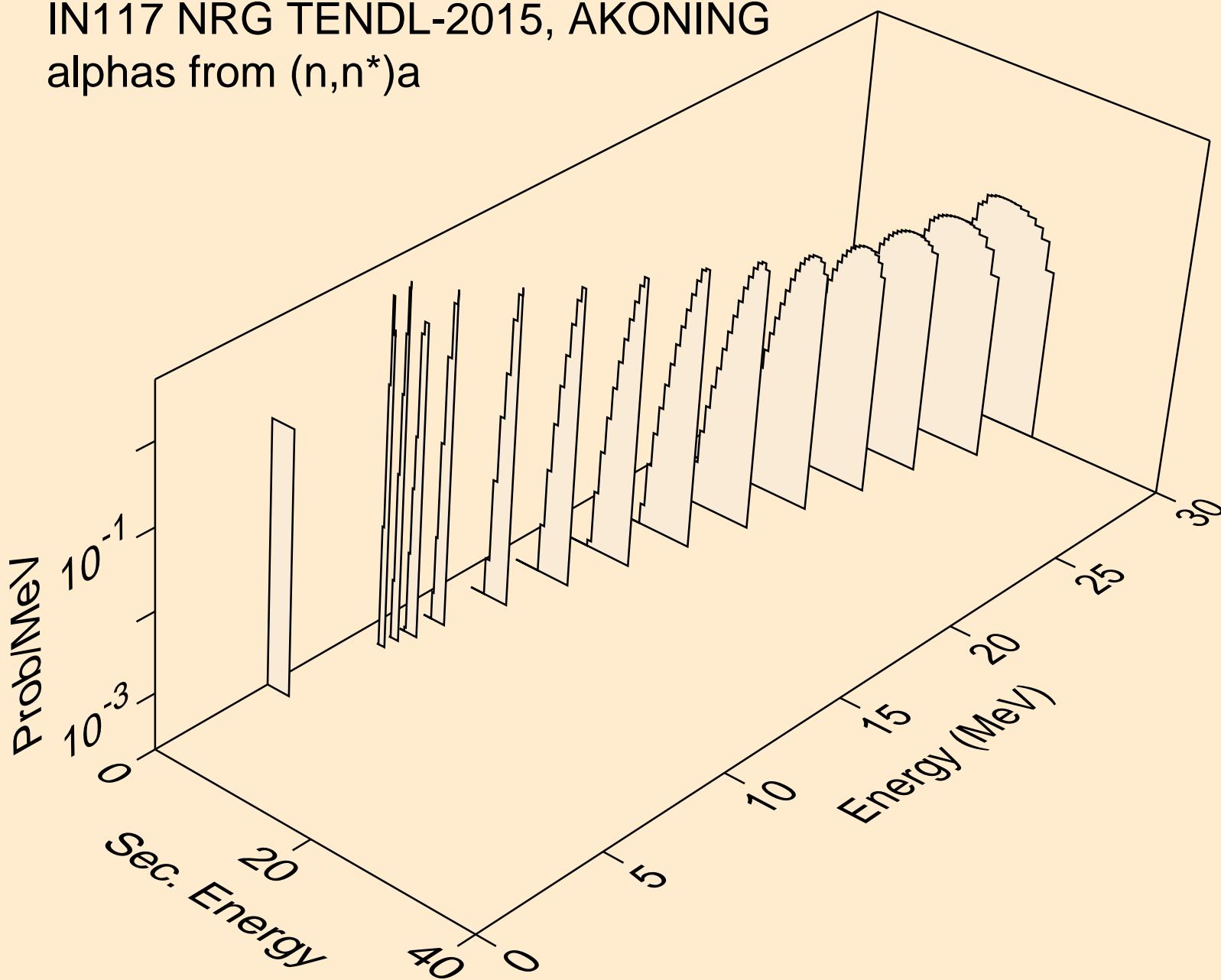
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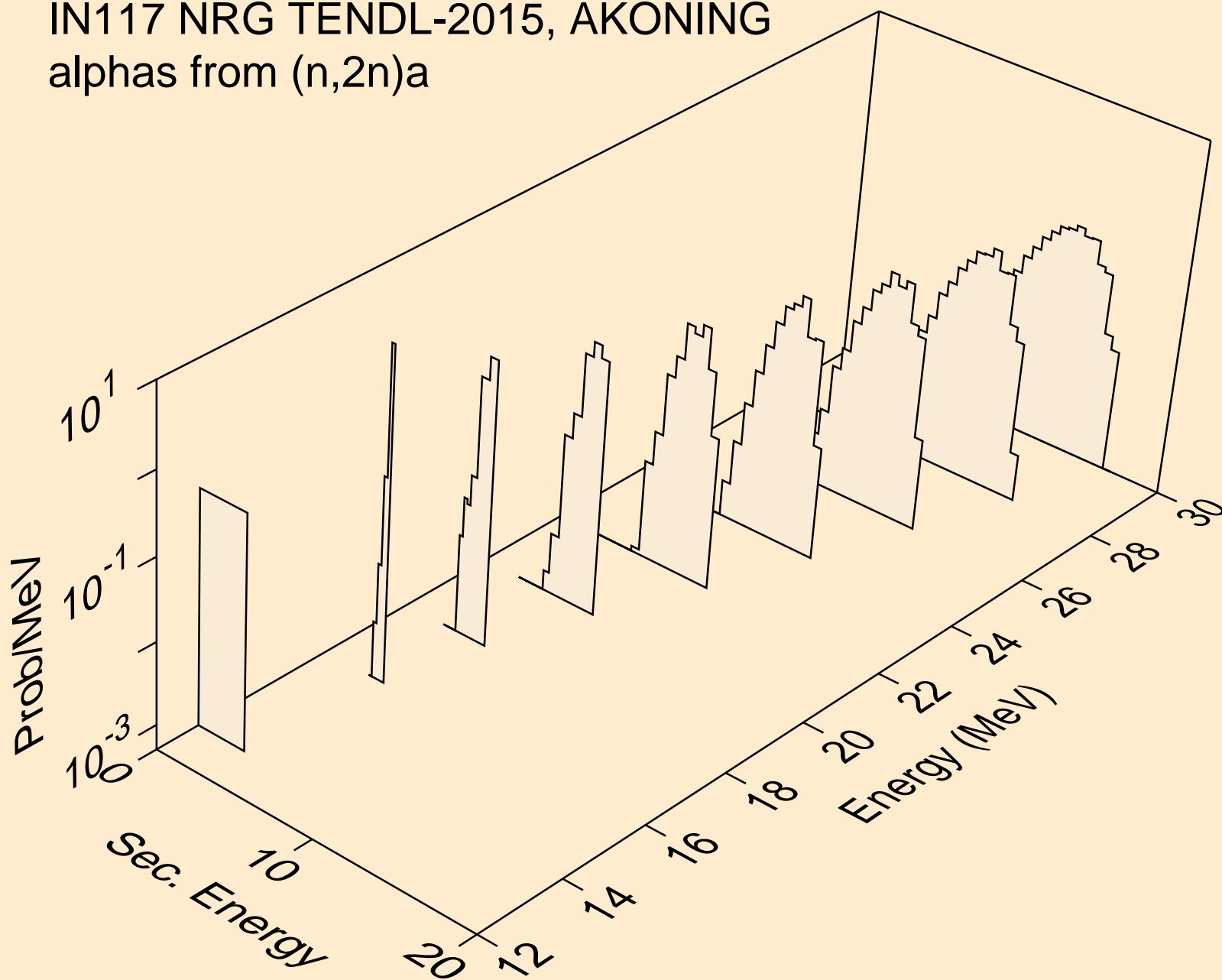
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alphas from (n,x)



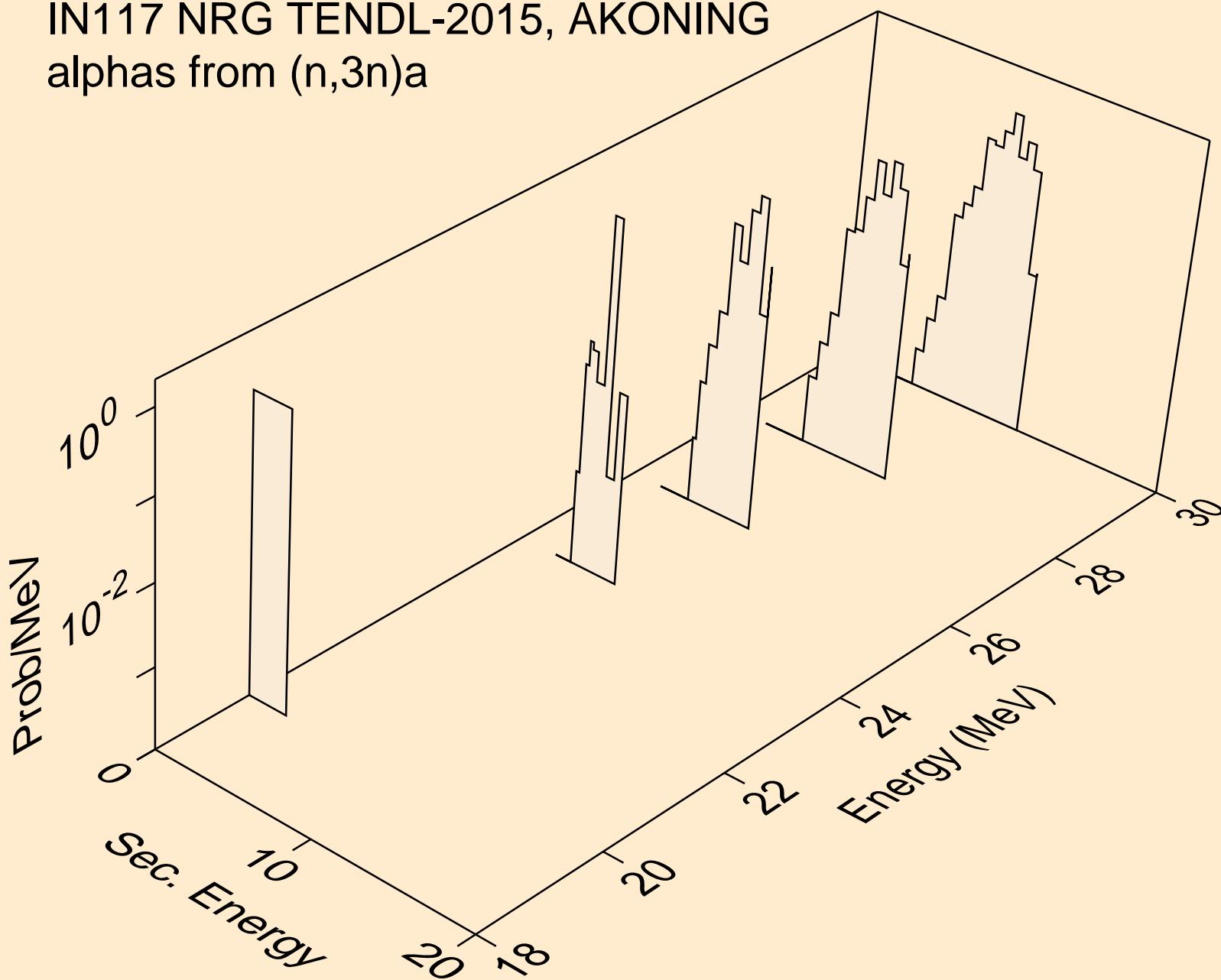
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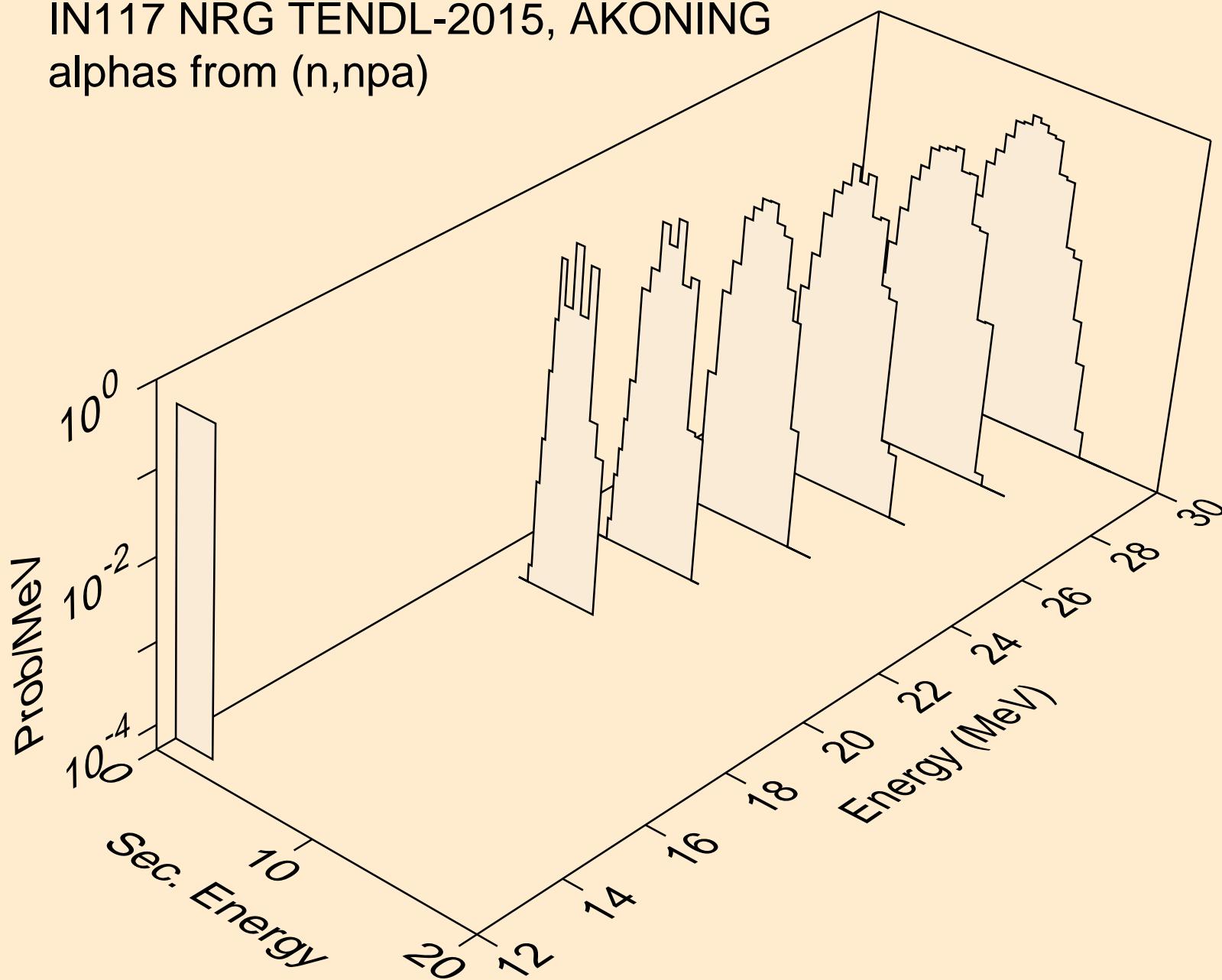
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alphas from ( $n,2n$ )a



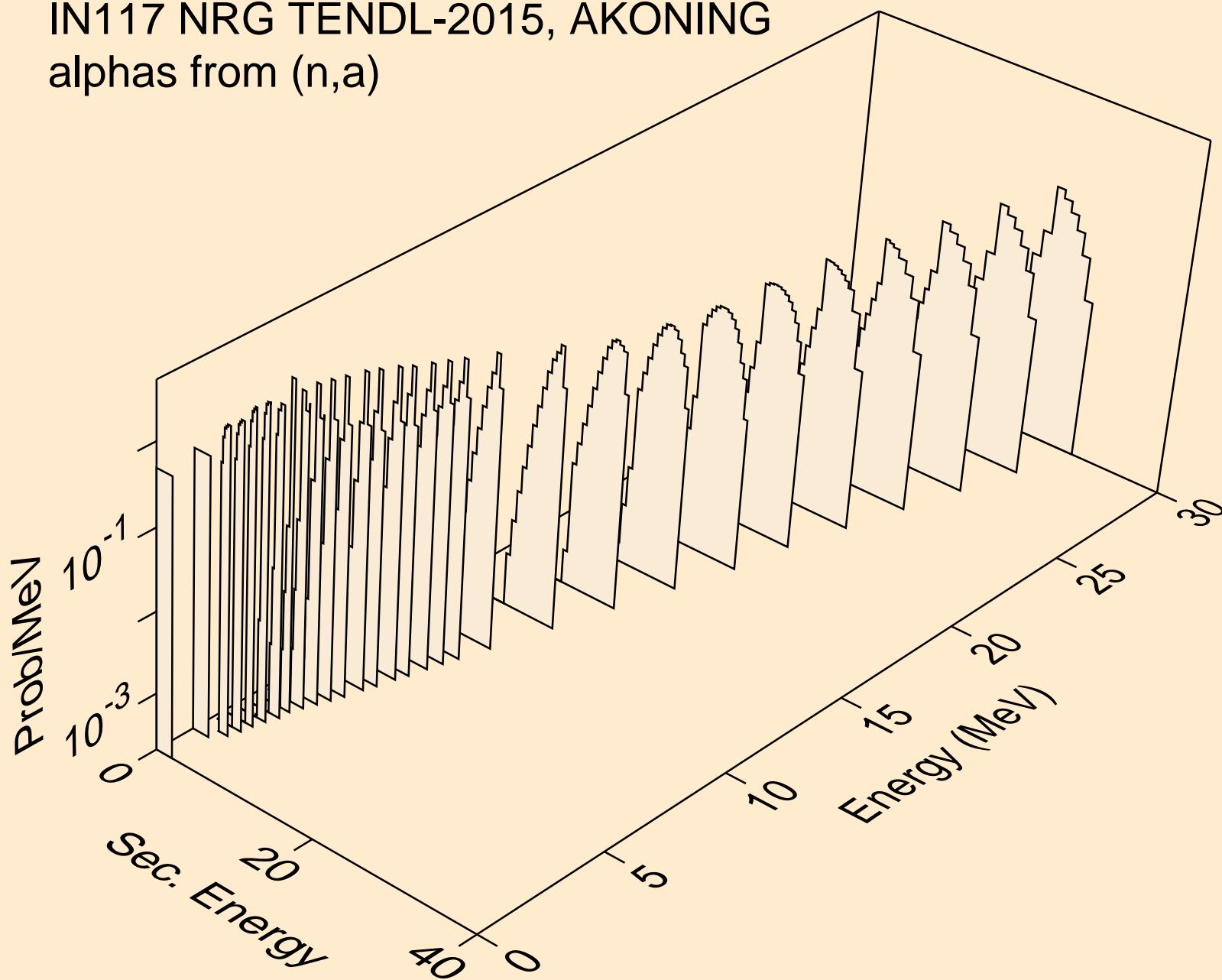
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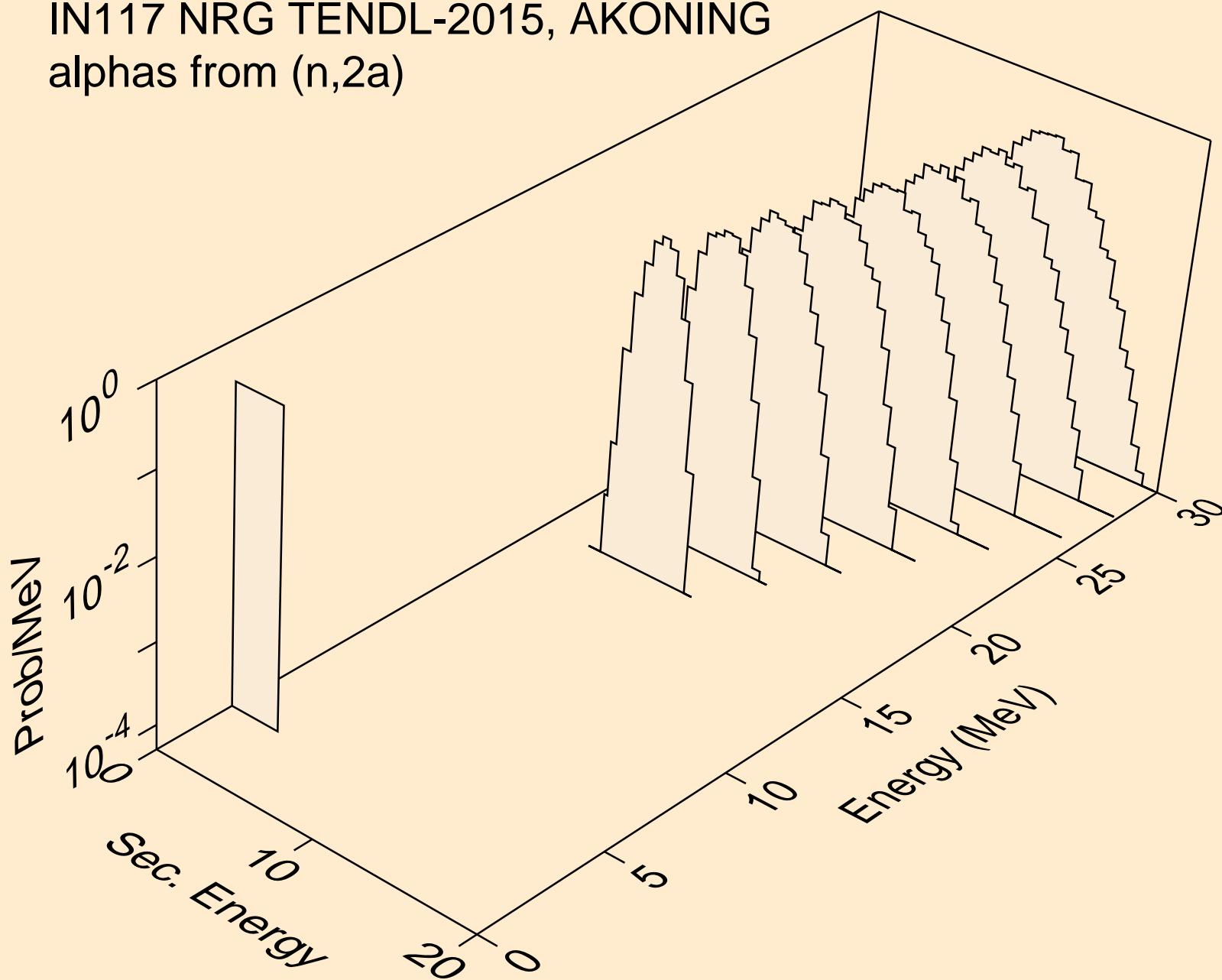
IN117 NRG TENDL-2015, AKONING  
alphas from (n,npa)



IN117 NRG TENDL-2015, AKONING  
alphas from (n,a)



IN117 NRG TENDL-2015, AKONING  
alphas from (n,2a)



IN117 NRG TENDL-2015, AKONING  
alphas from (n,pa)

