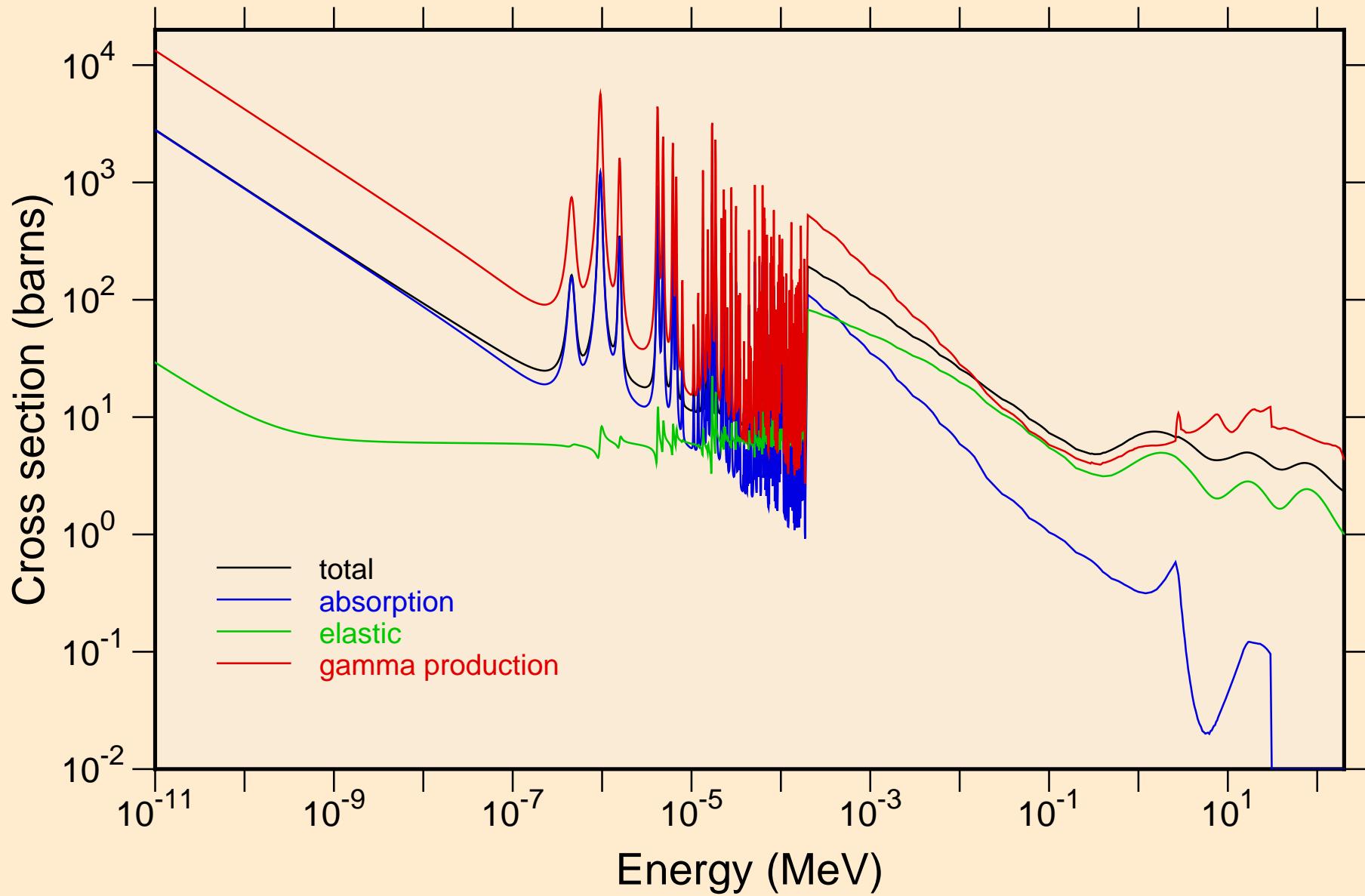
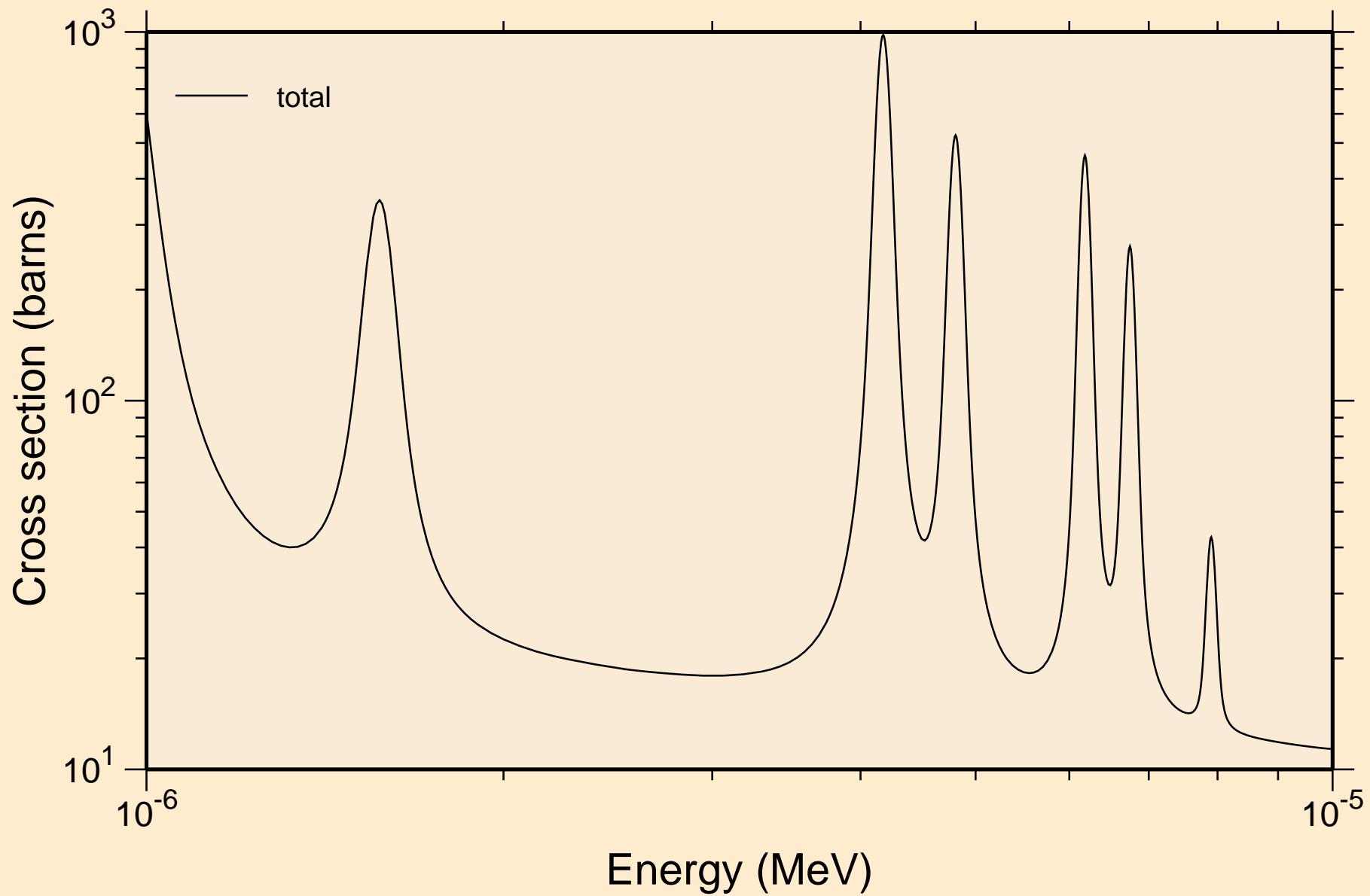


# EU146 NRG TENDL-2015, AKONING

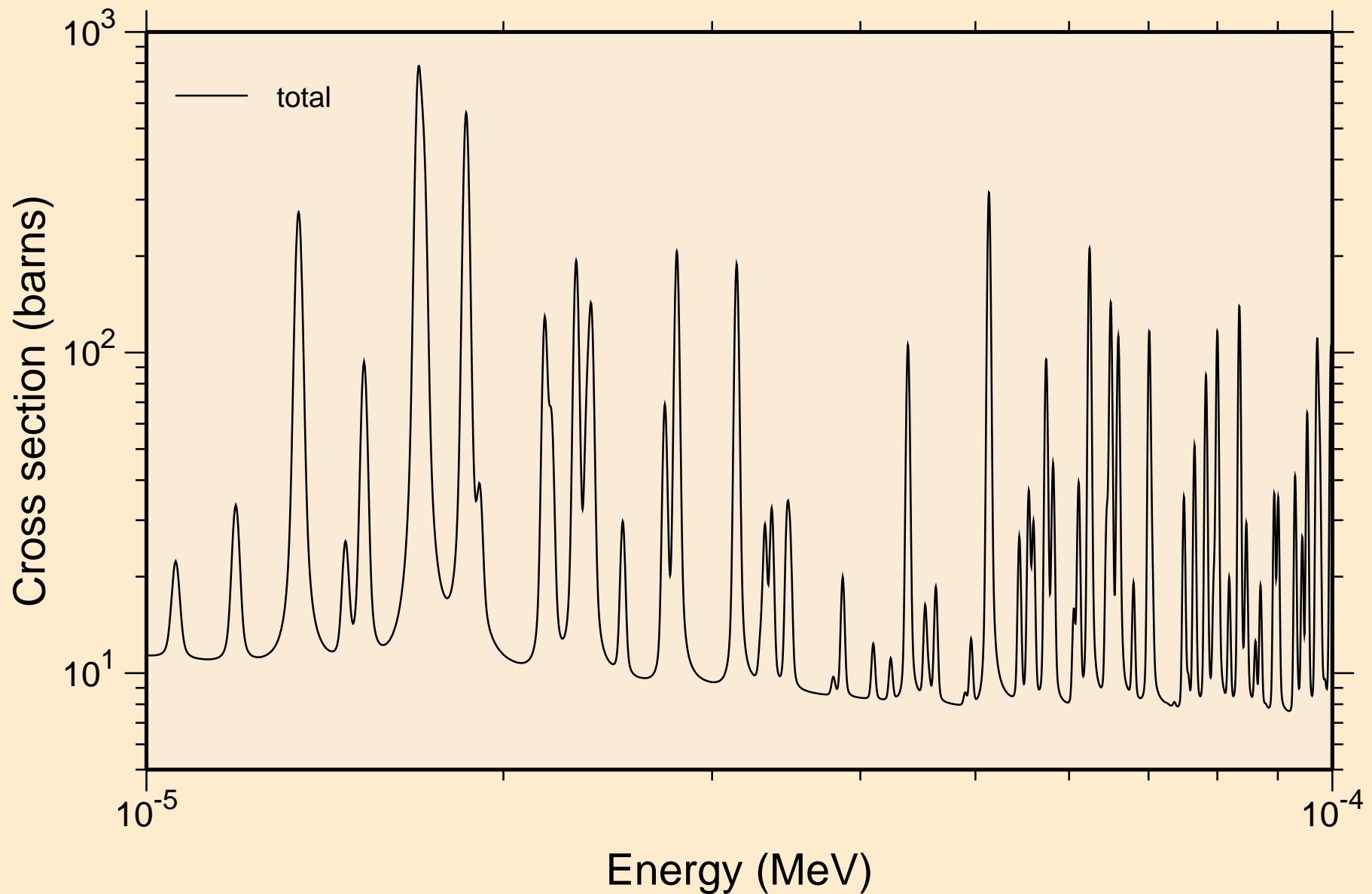
## Principal cross sections



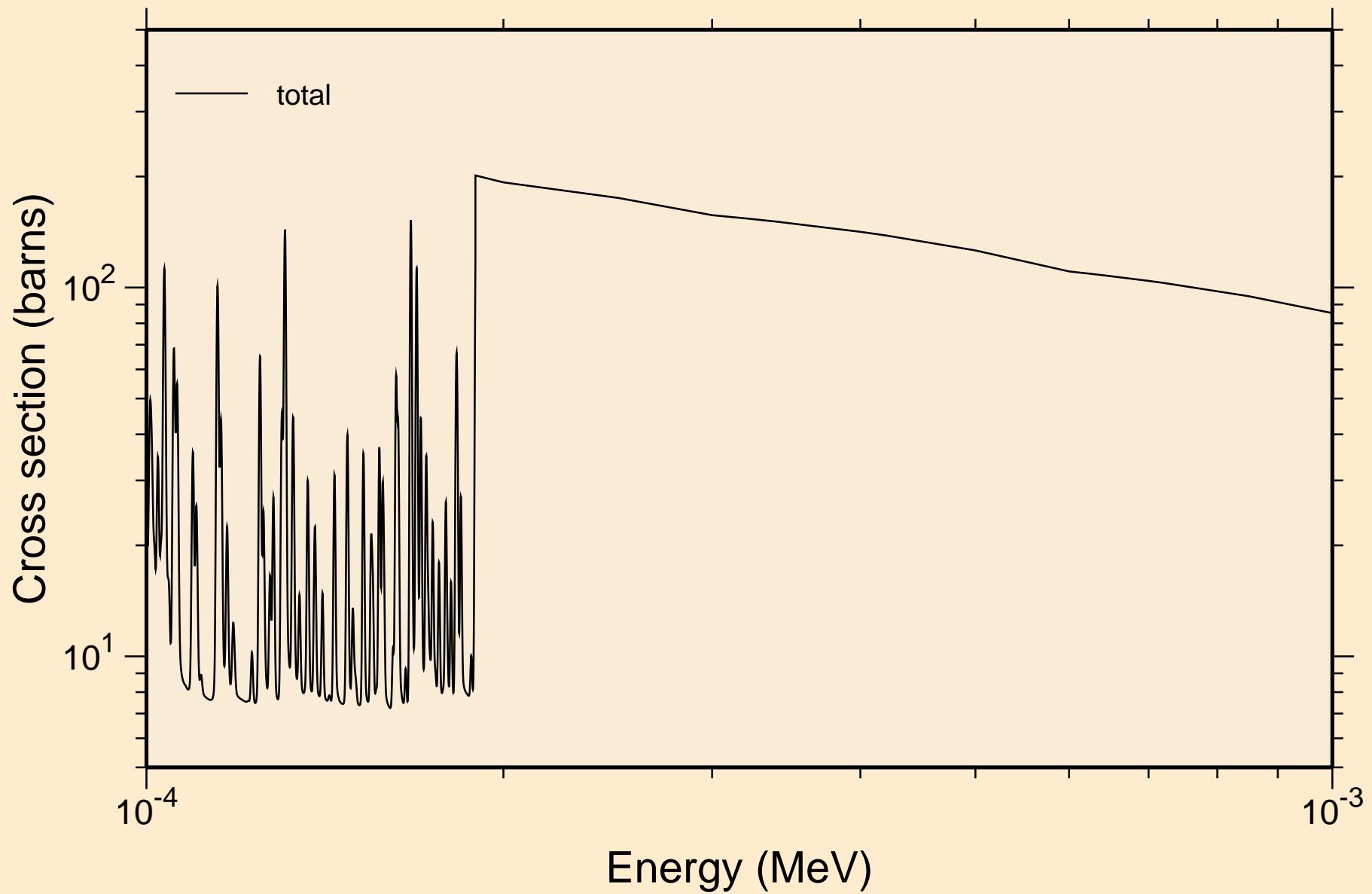
EU146 NRG TENDL-2015, AKONING  
resonance total cross section



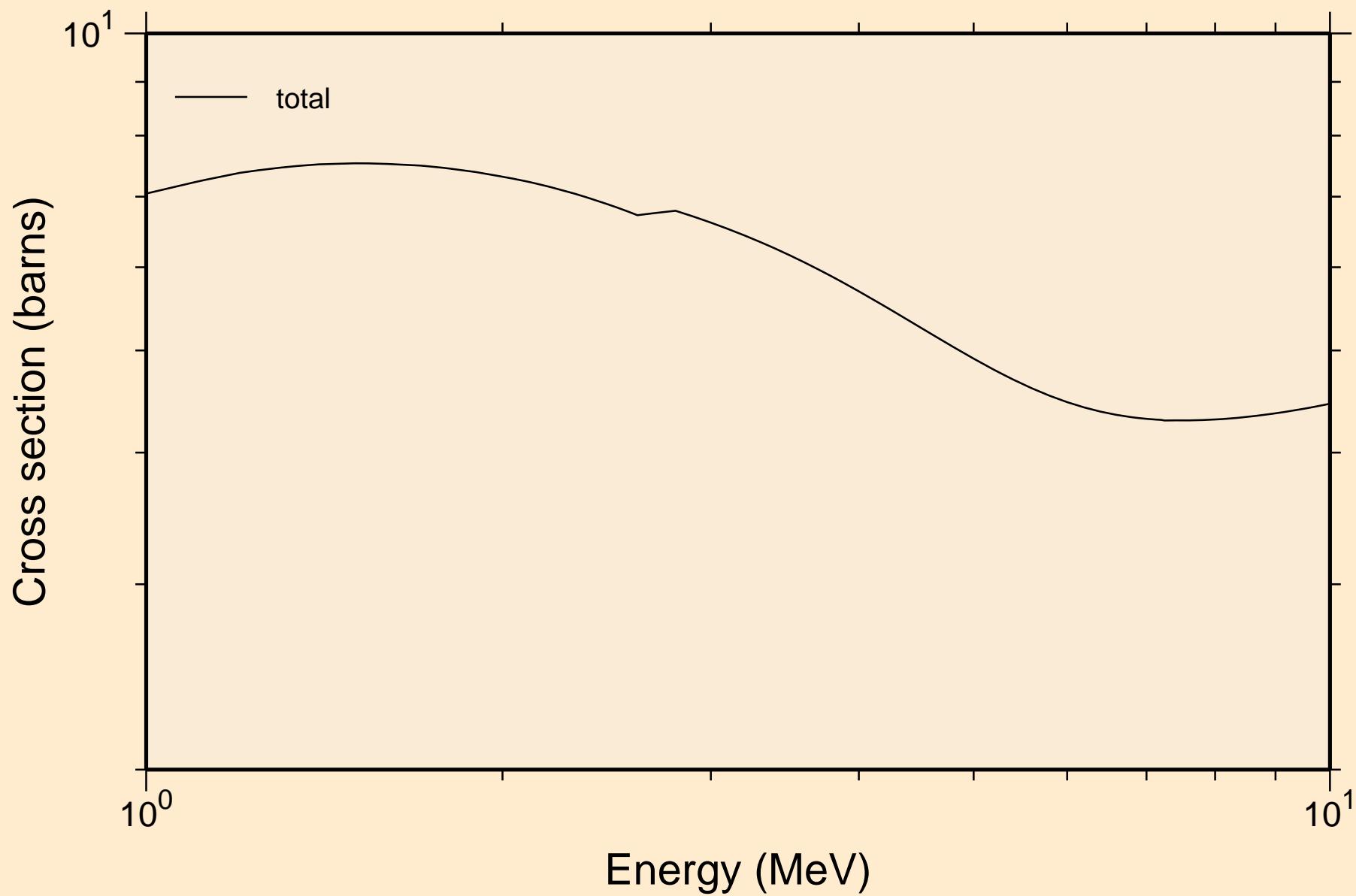
EU146 NRG TENDL-2015, AKONING  
resonance total cross section



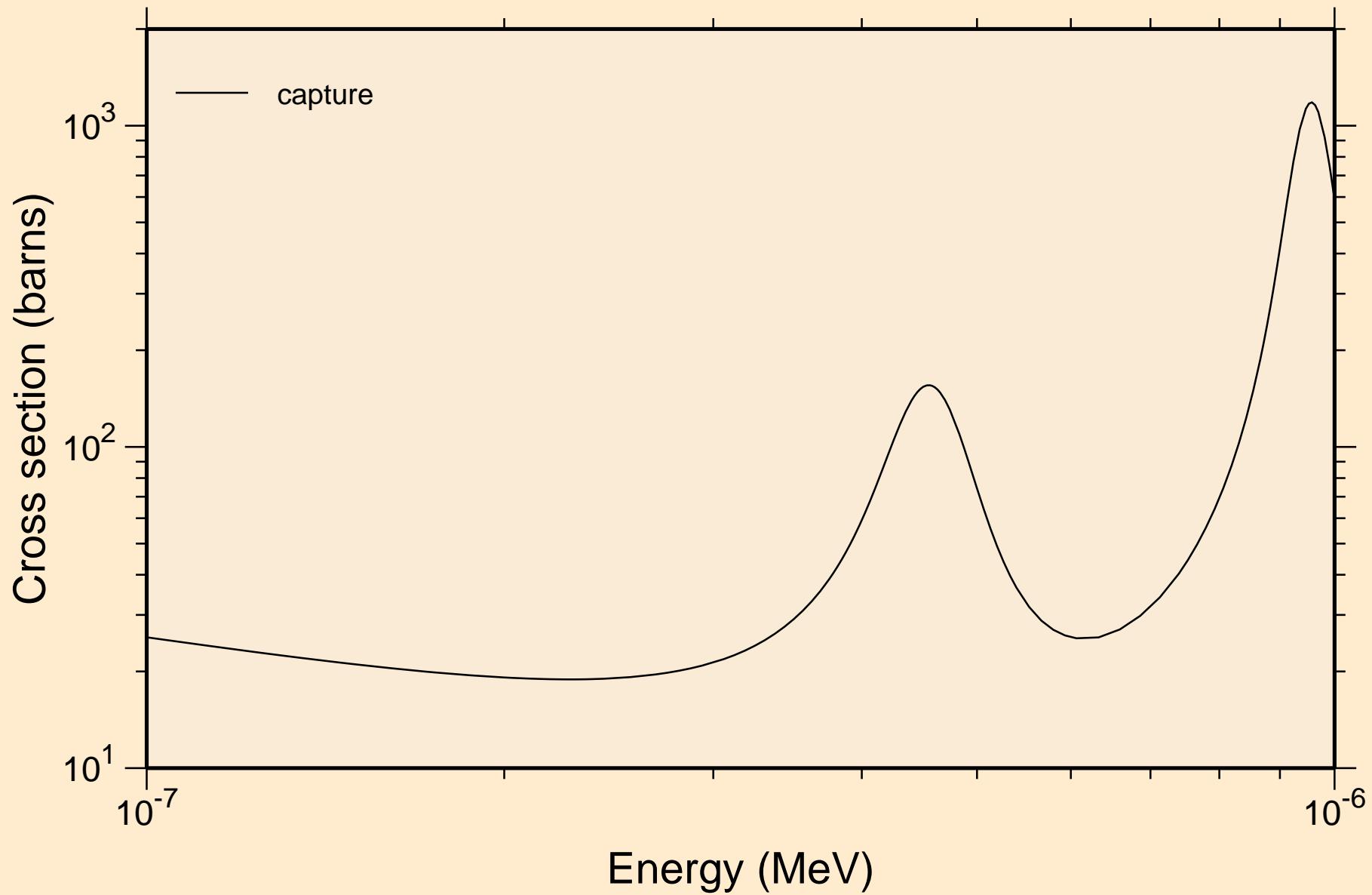
EU146 NRG TENDL-2015, AKONING  
resonance total cross section



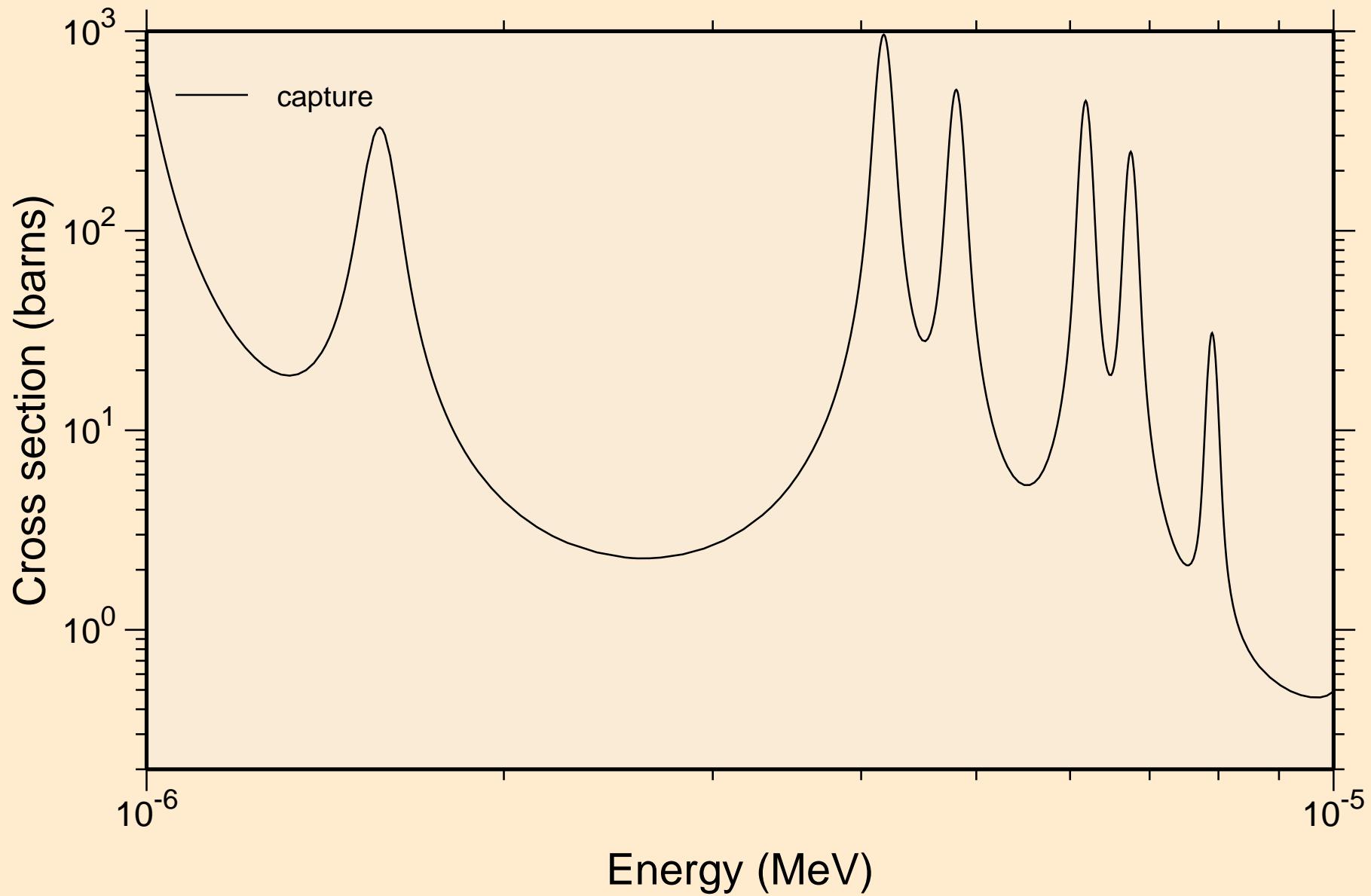
EU146 NRG TENDL-2015, AKONING  
resonance total cross section



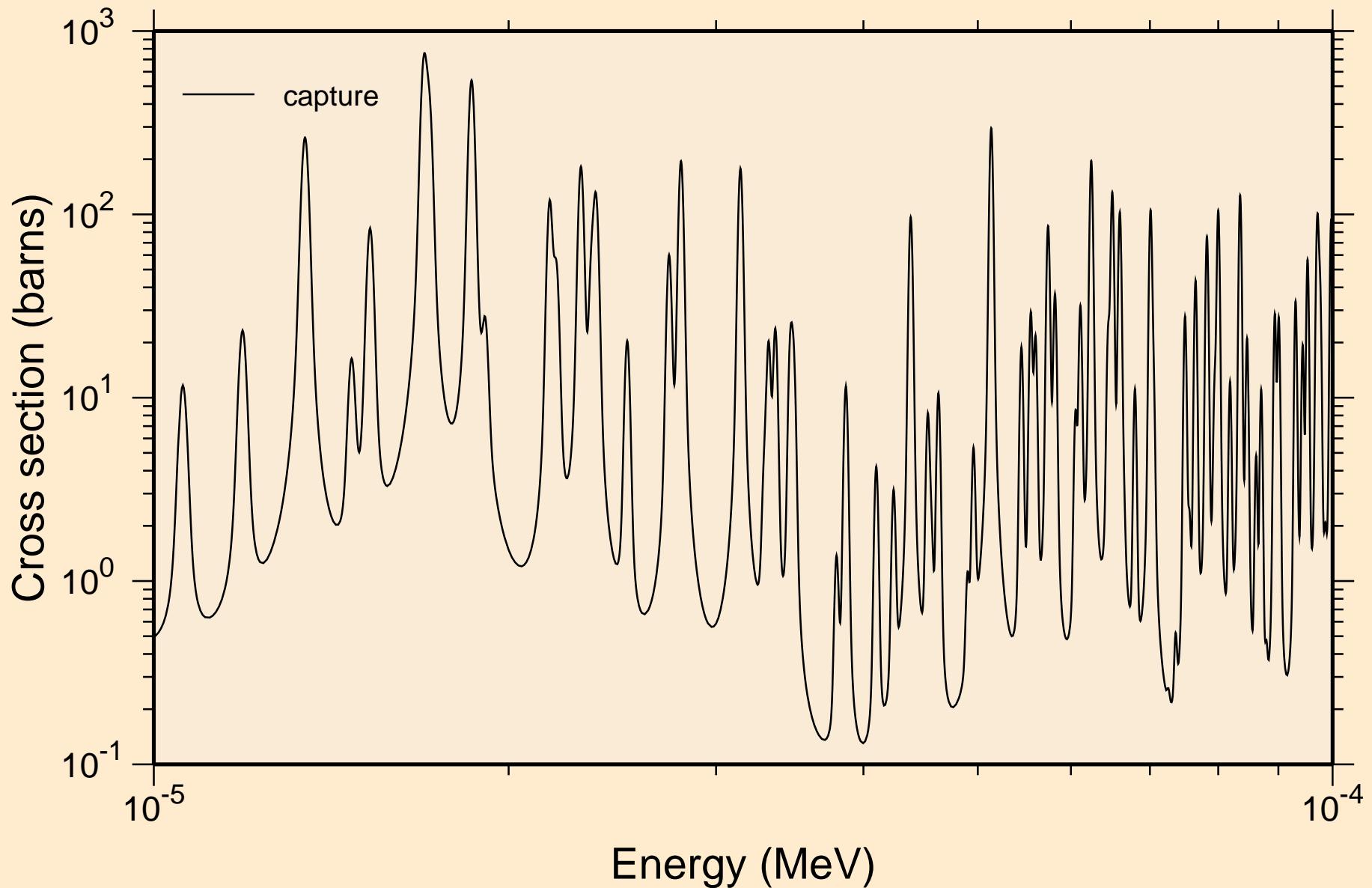
EU146 NRG TENDL-2015, AKONING  
resonance absorption cross sections



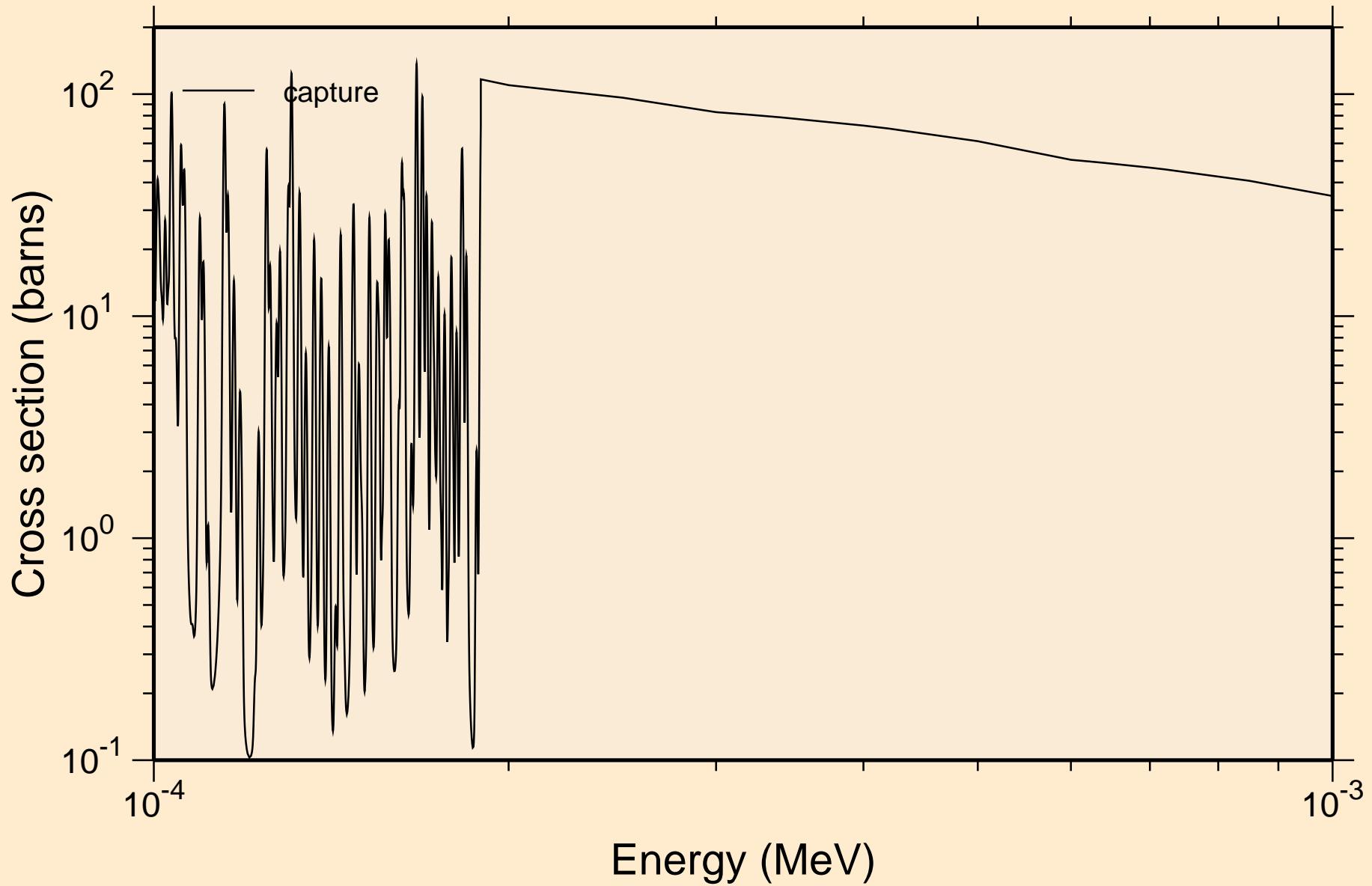
EU146 NRG TENDL-2015, AKONING  
resonance absorption cross sections



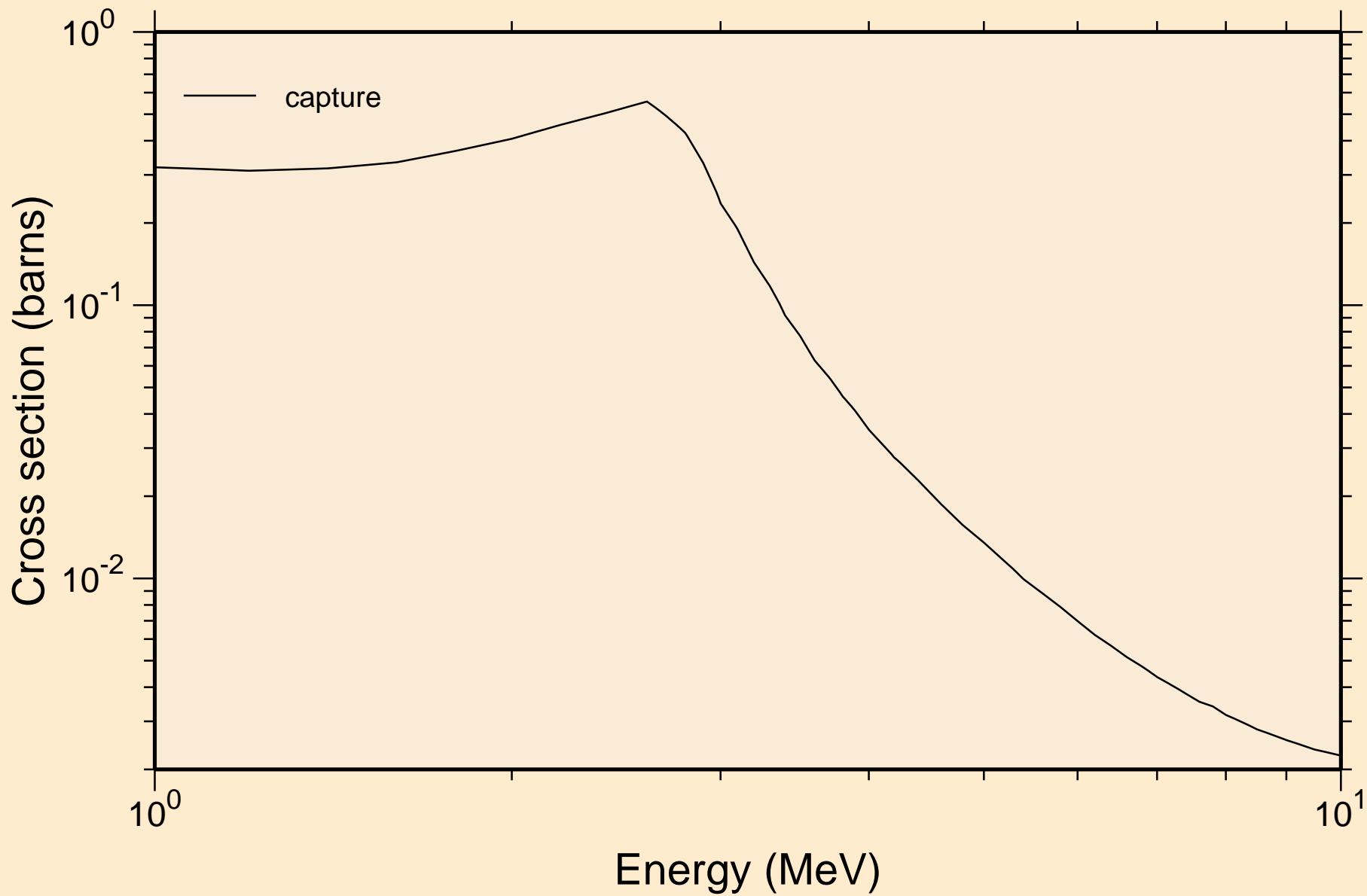
EU146 NRG TENDL-2015, AKONING  
resonance absorption cross sections



EU146 NRG TENDL-2015, AKONING  
resonance absorption cross sections

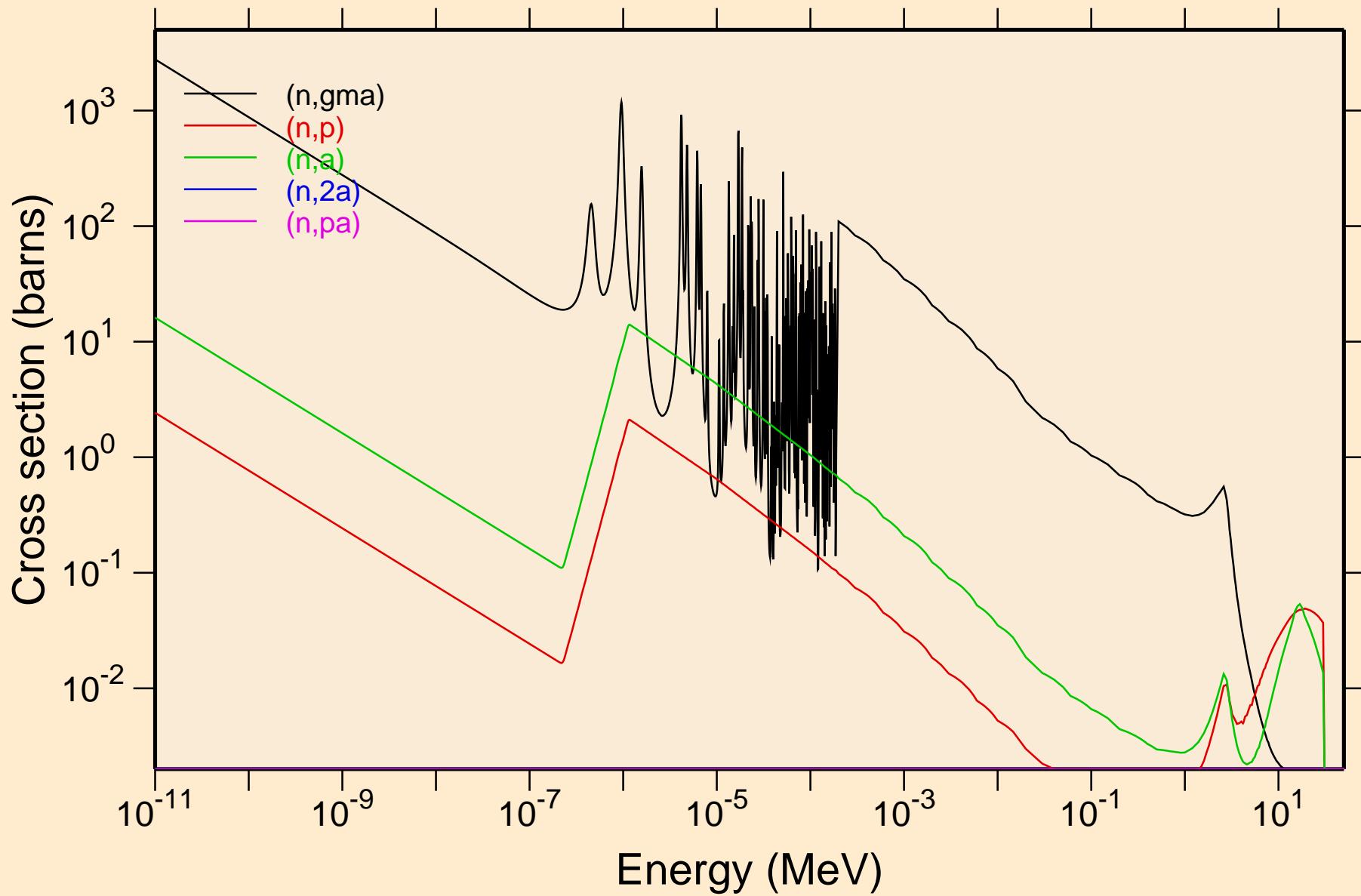


EU146 NRG TENDL-2015, AKONING  
resonance absorption cross sections



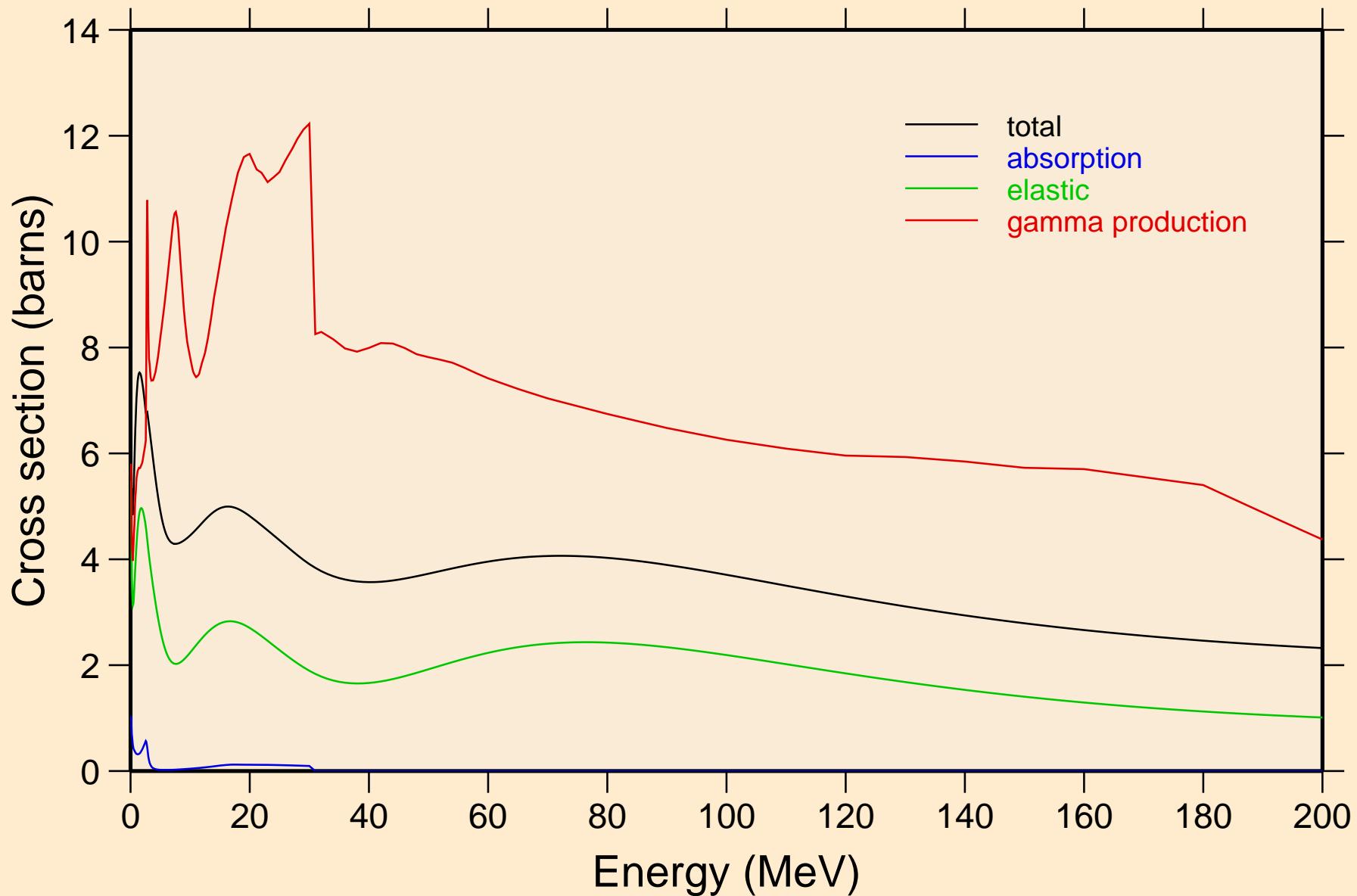
# EU146 NRG TENDL-2015, AKONING

## Non-threshold reactions



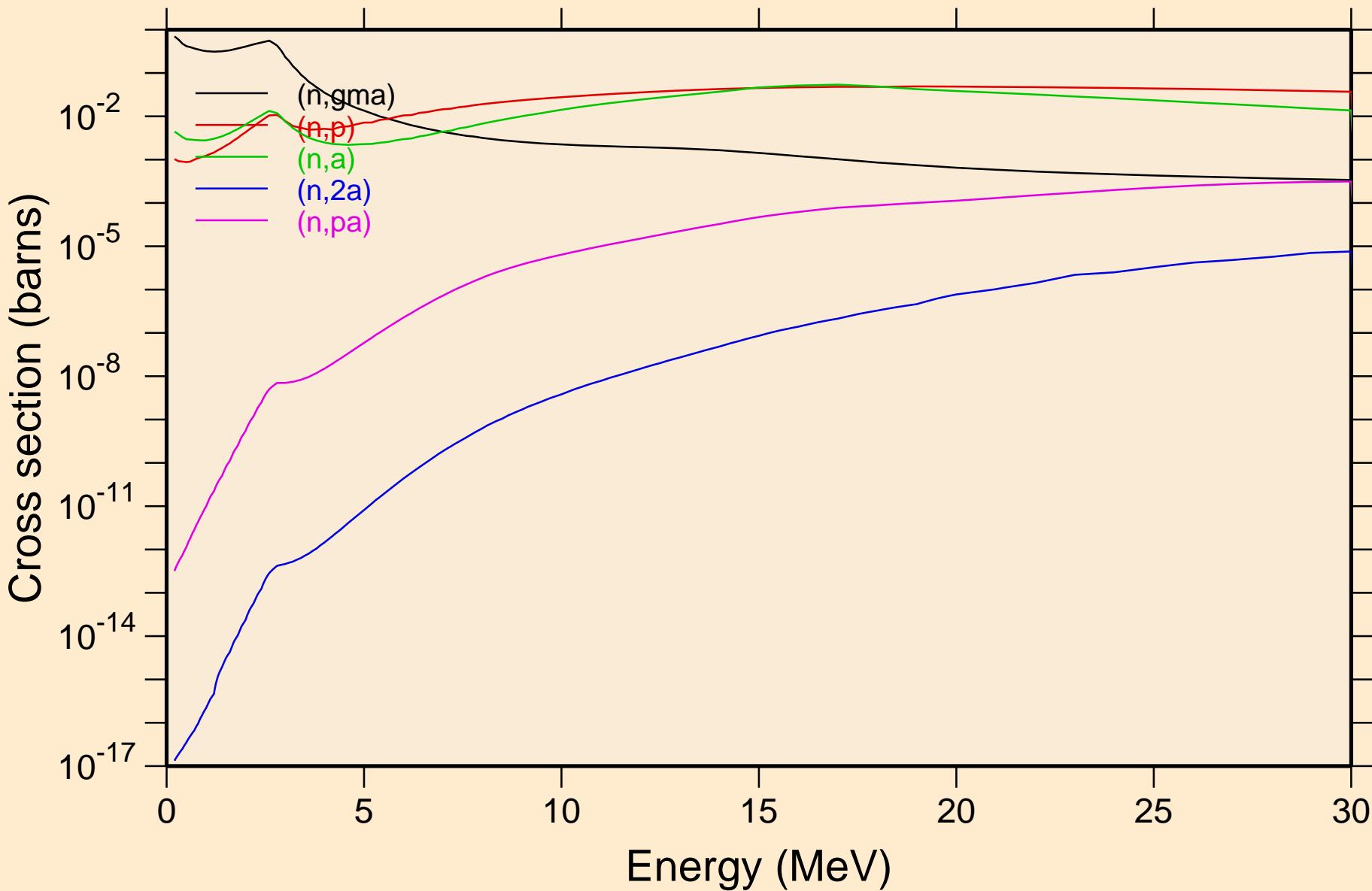
# EU146 NRG TENDL-2015, AKONING

## Principal cross sections

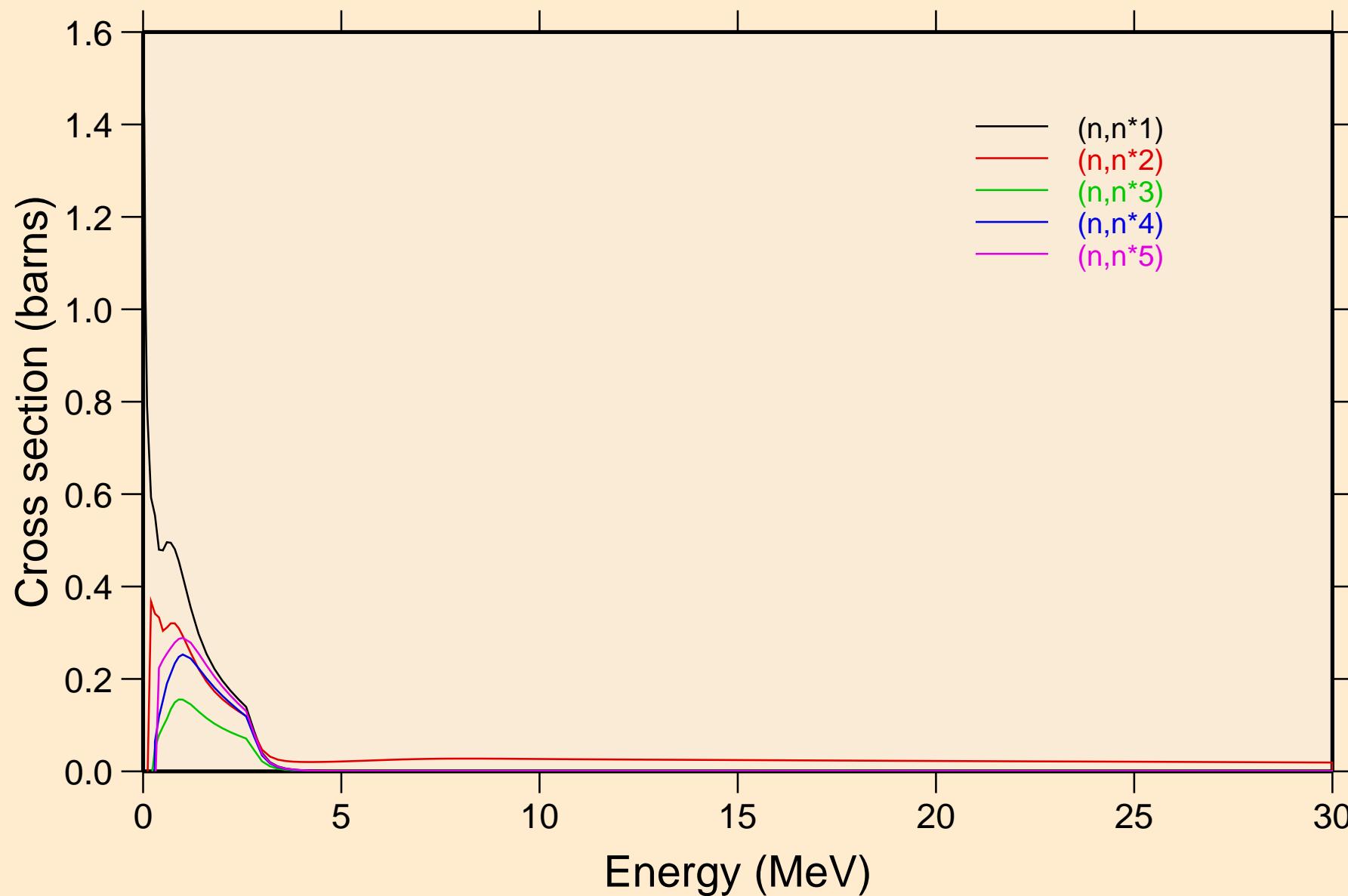


# EU146 NRG TENDL-2015, AKONING

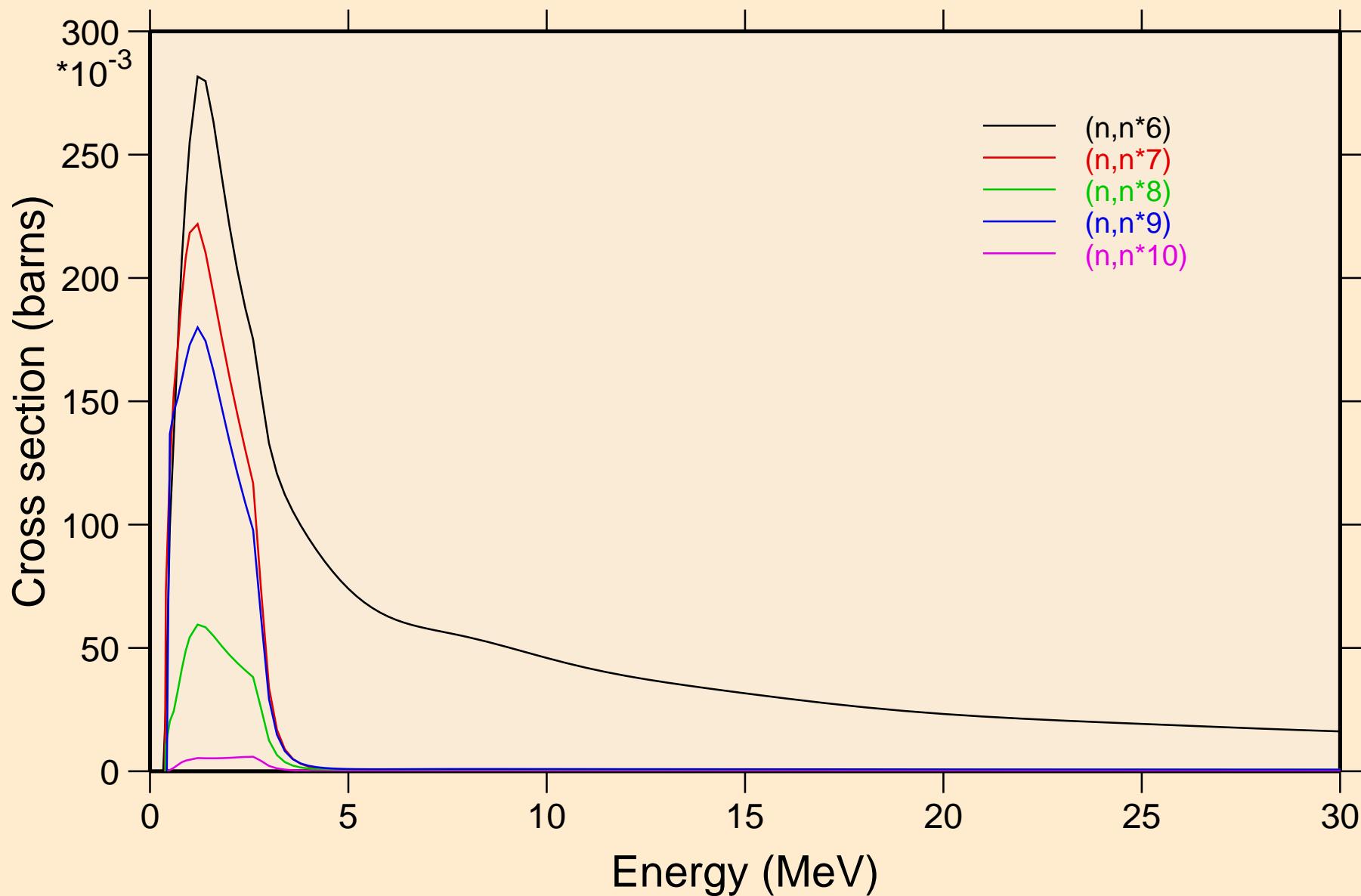
## Non-threshold reactions



EU146 NRG TENDL-2015, AKONING  
Inelastic levels

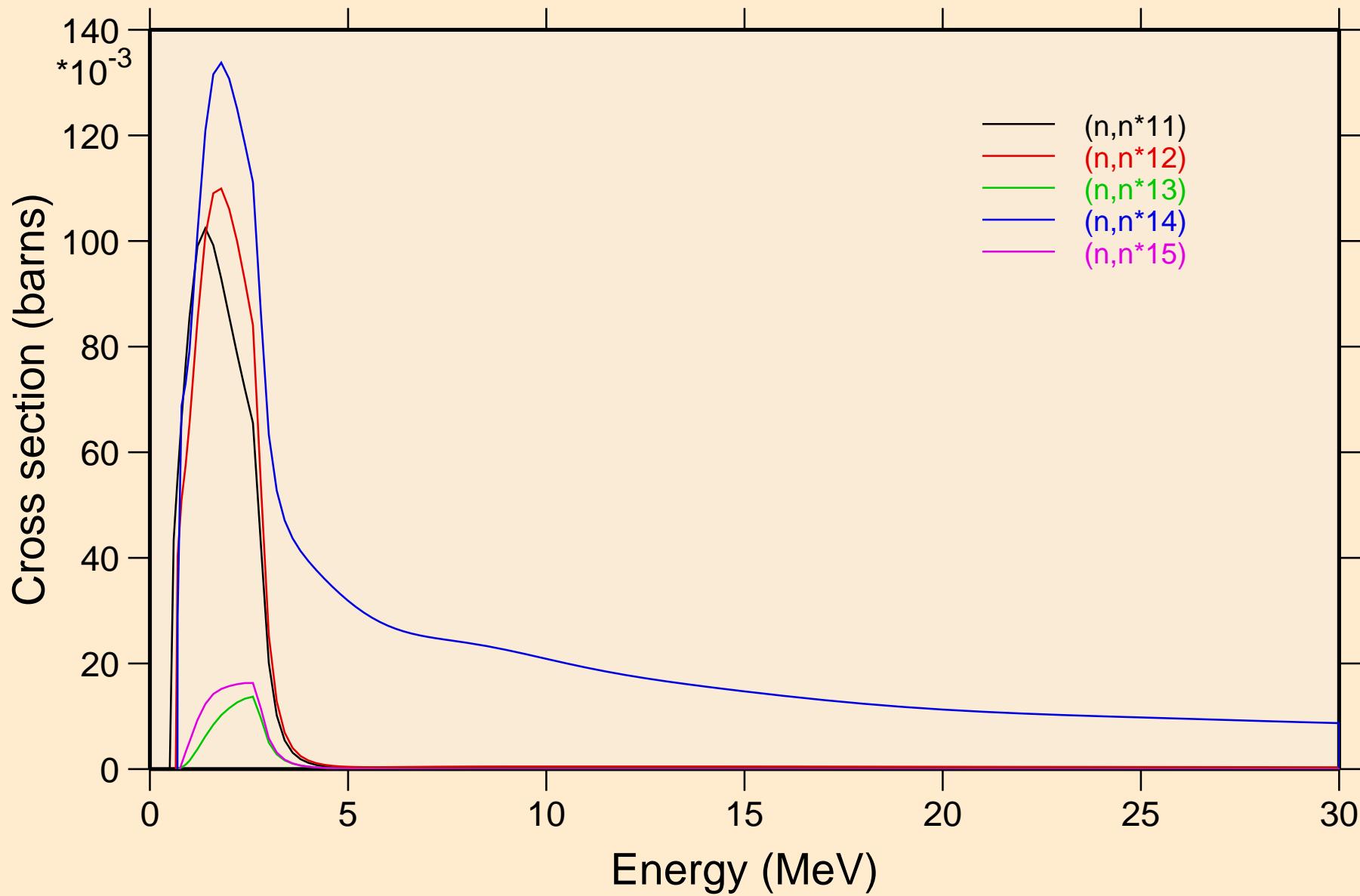


EU146 NRG TENDL-2015, AKONING  
Inelastic levels



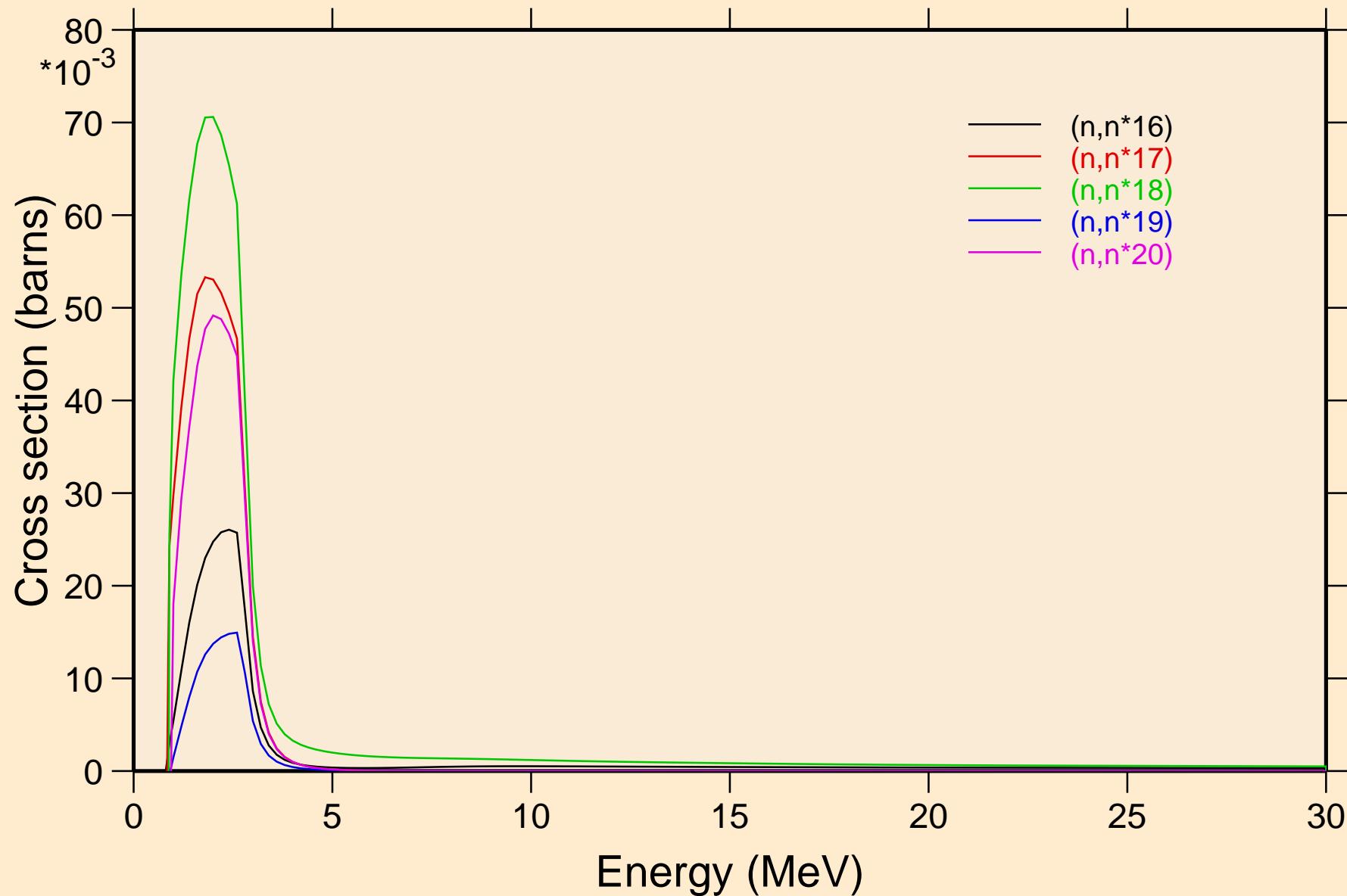
# EU146 NRG TENDL-2015, AKONING

## Inelastic levels

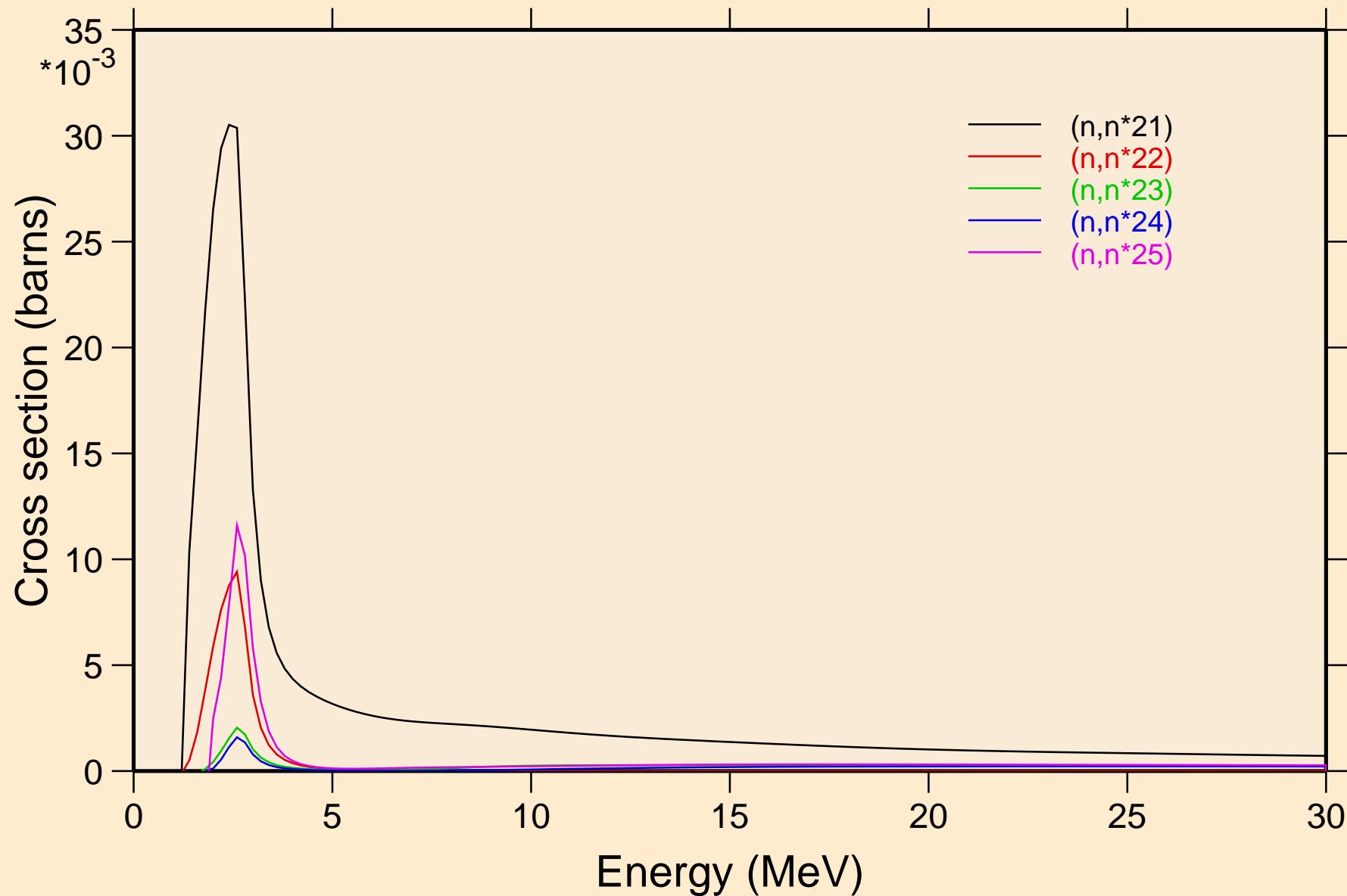


# EU146 NRG TENDL-2015, AKONING

## Inelastic levels

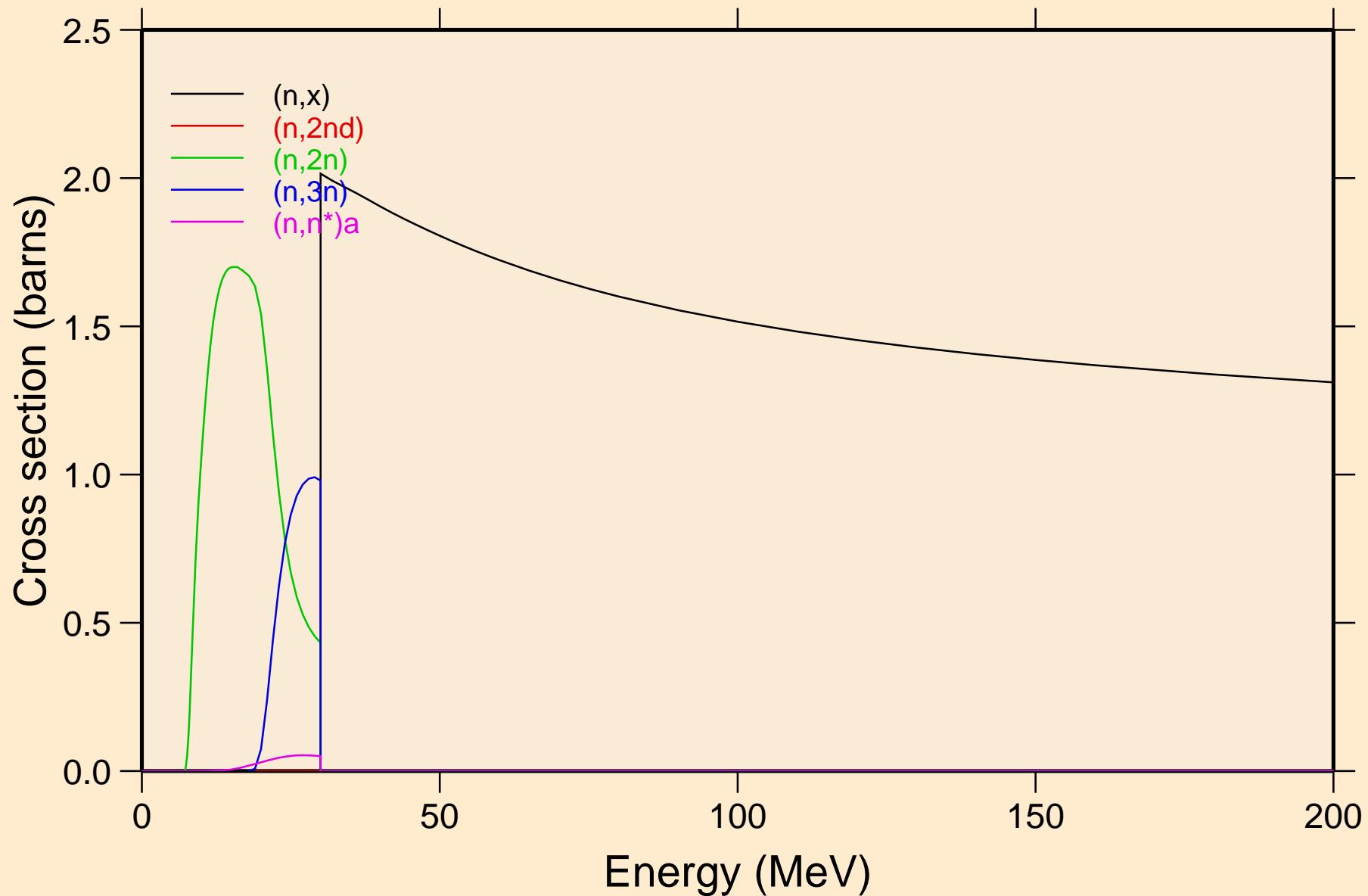


EU146 NRG TENDL-2015, AKONING  
Inelastic levels



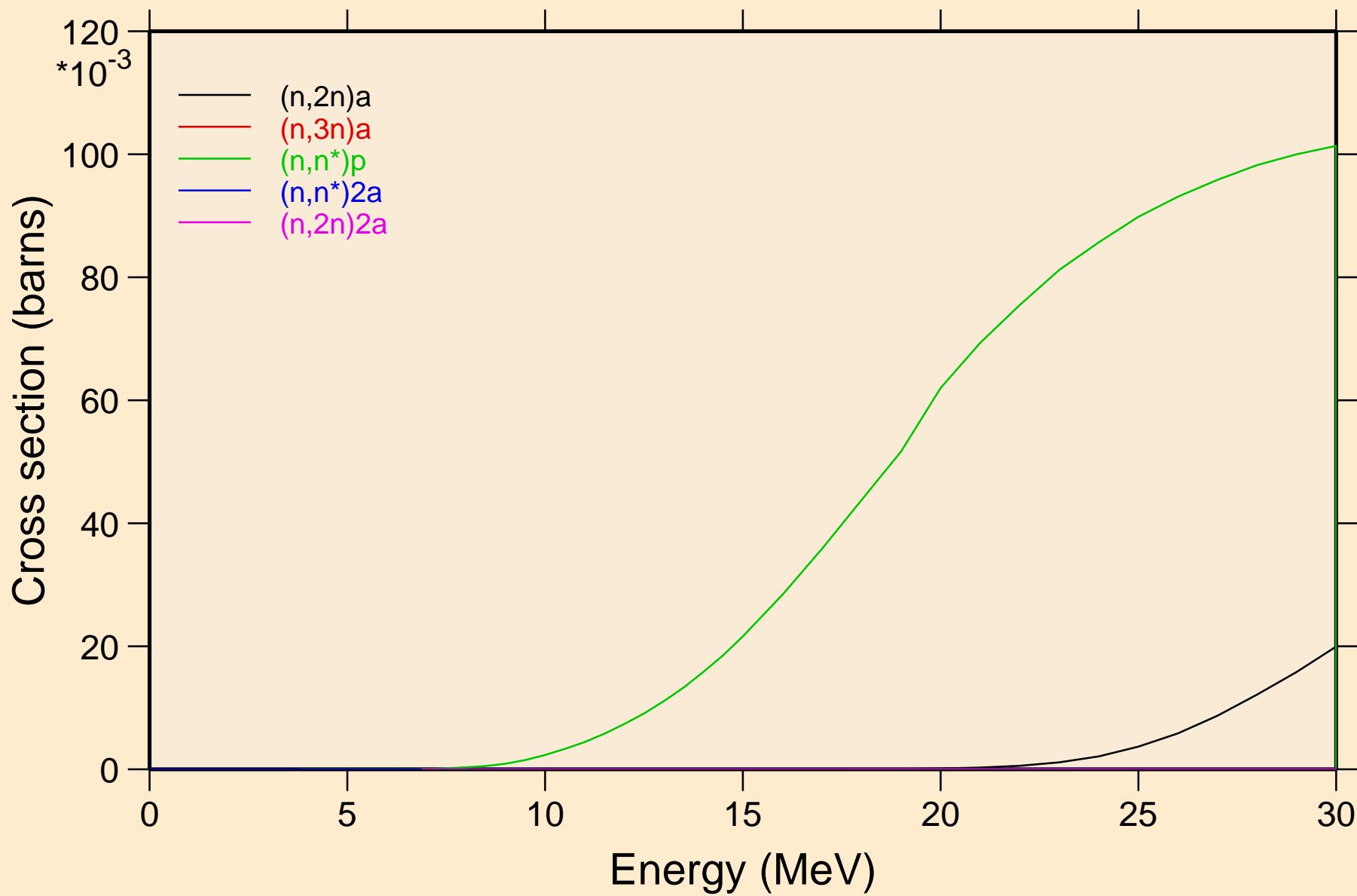
# EU146 NRG TENDL-2015, AKONING

## Threshold reactions



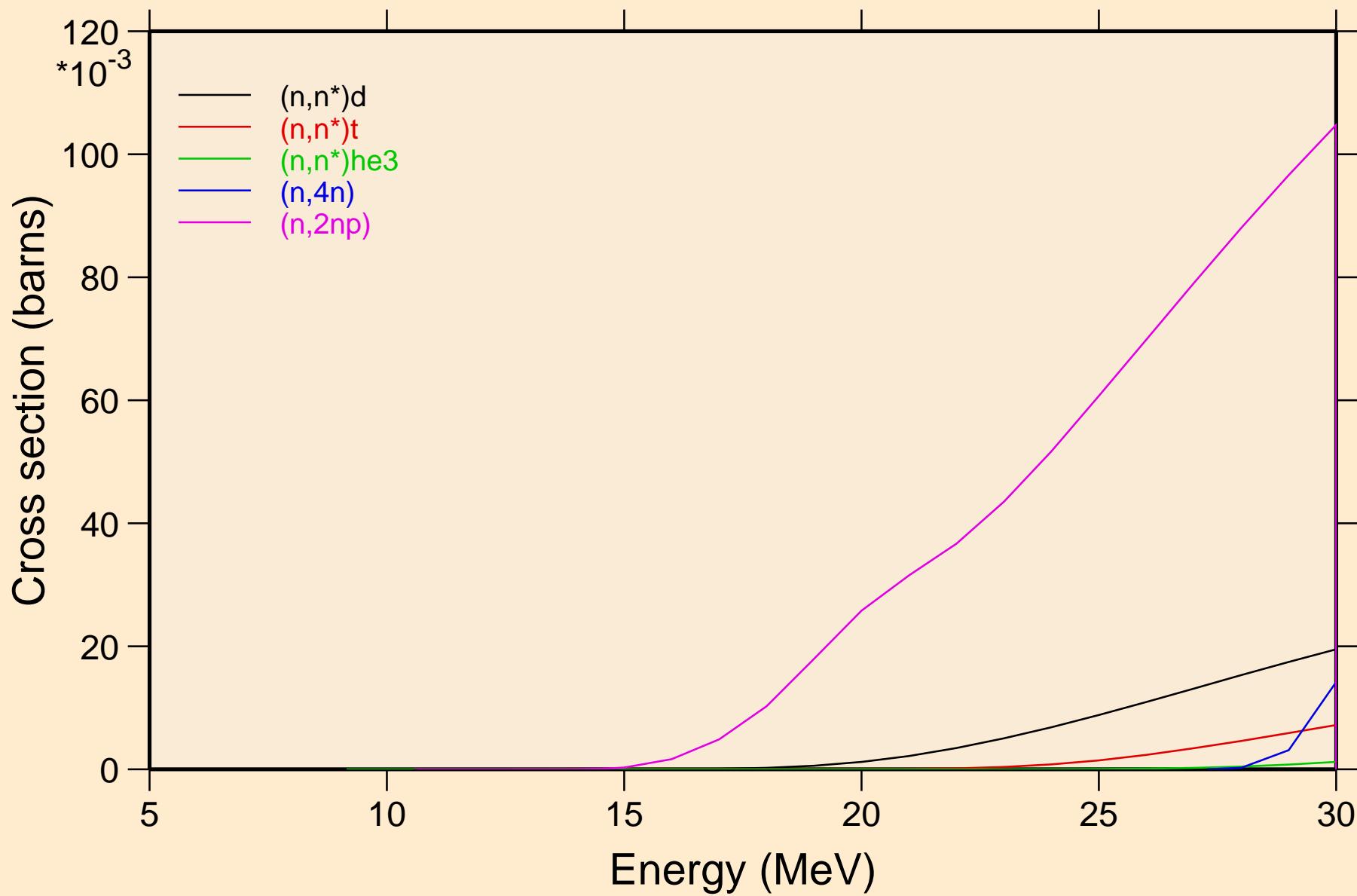
# EU146 NRG TENDL-2015, AKONING

## Threshold reactions



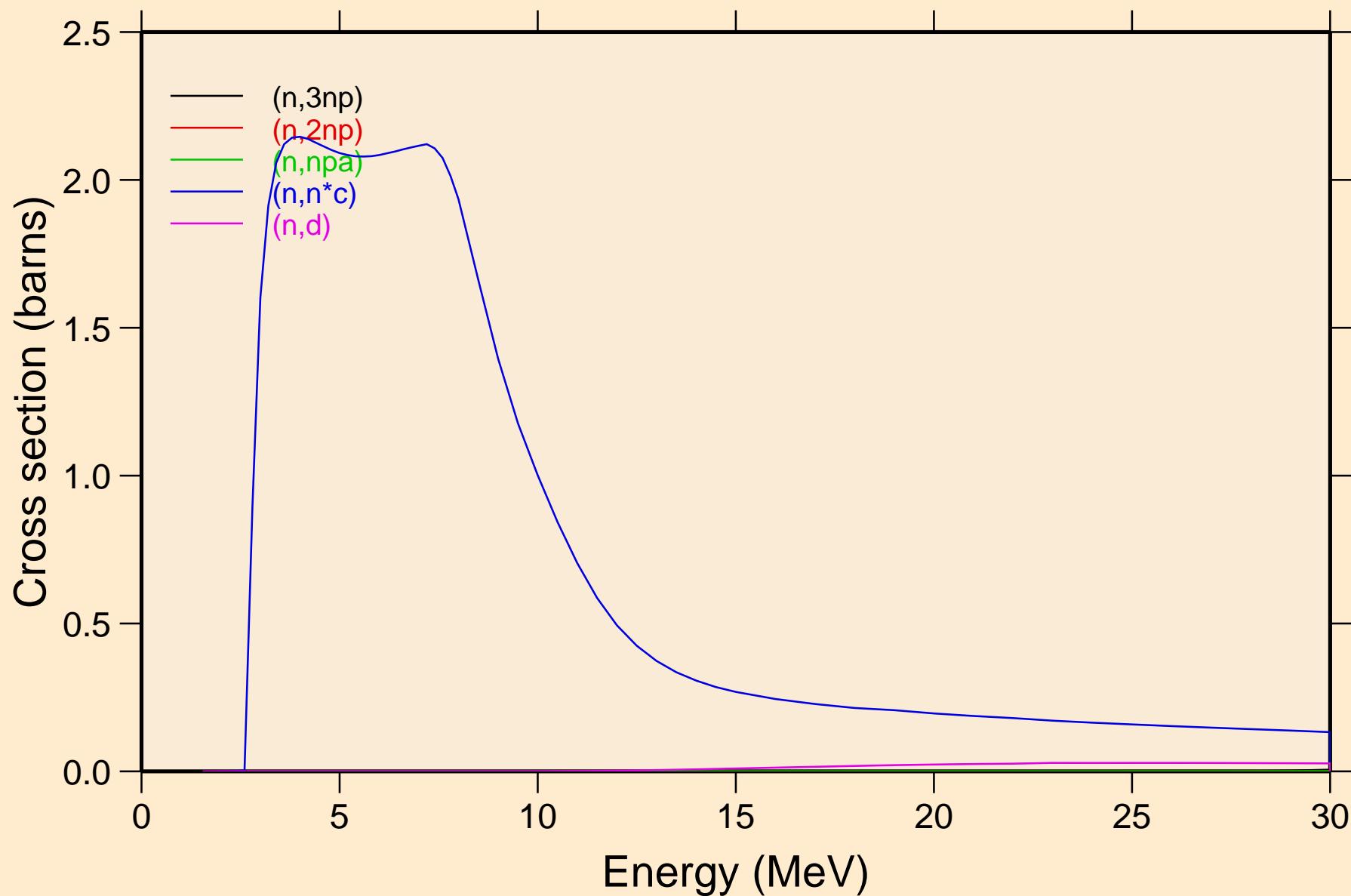
# EU146 NRG TENDL-2015, AKONING

## Threshold reactions



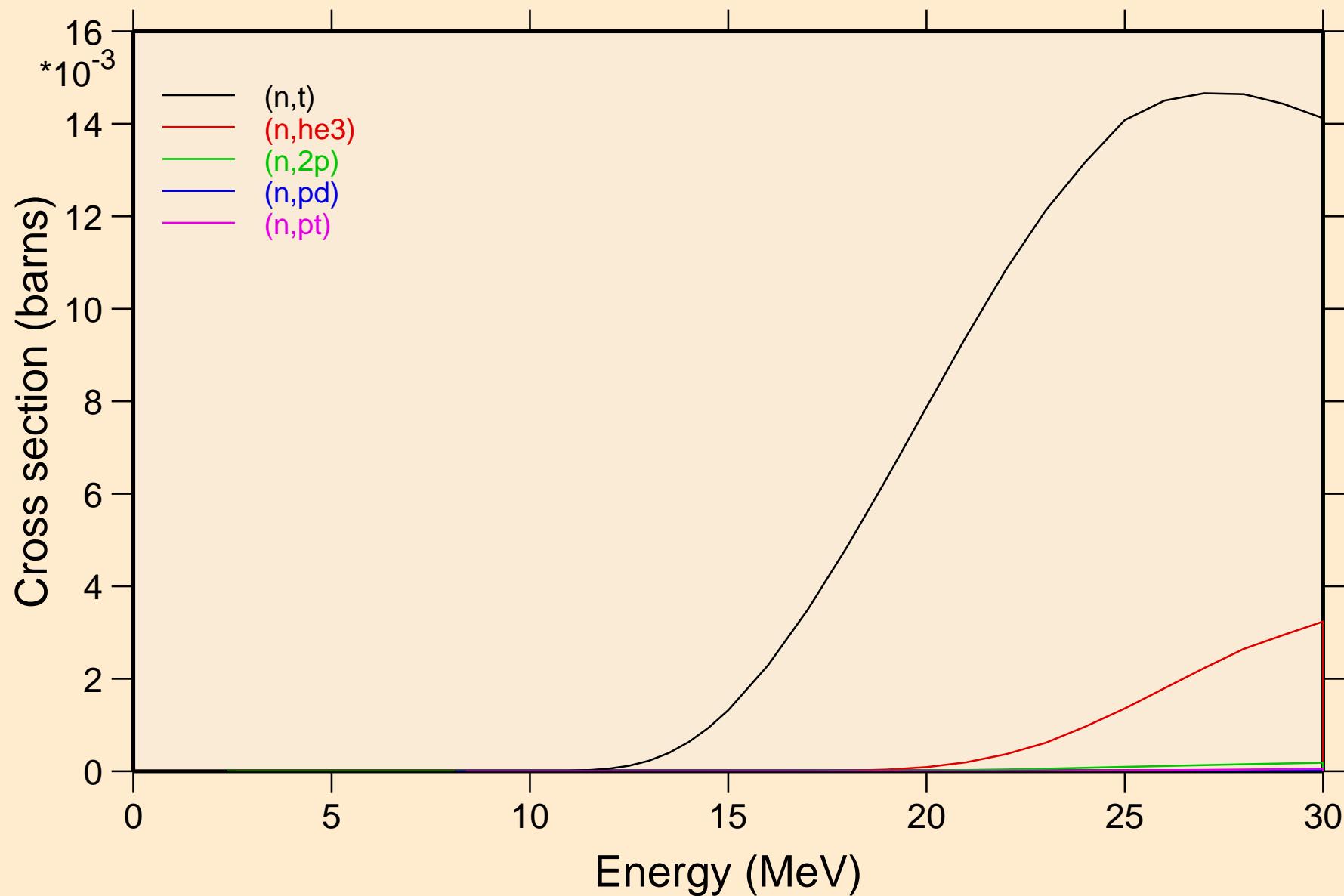
# EU146 NRG TENDL-2015, AKONING

## Threshold reactions

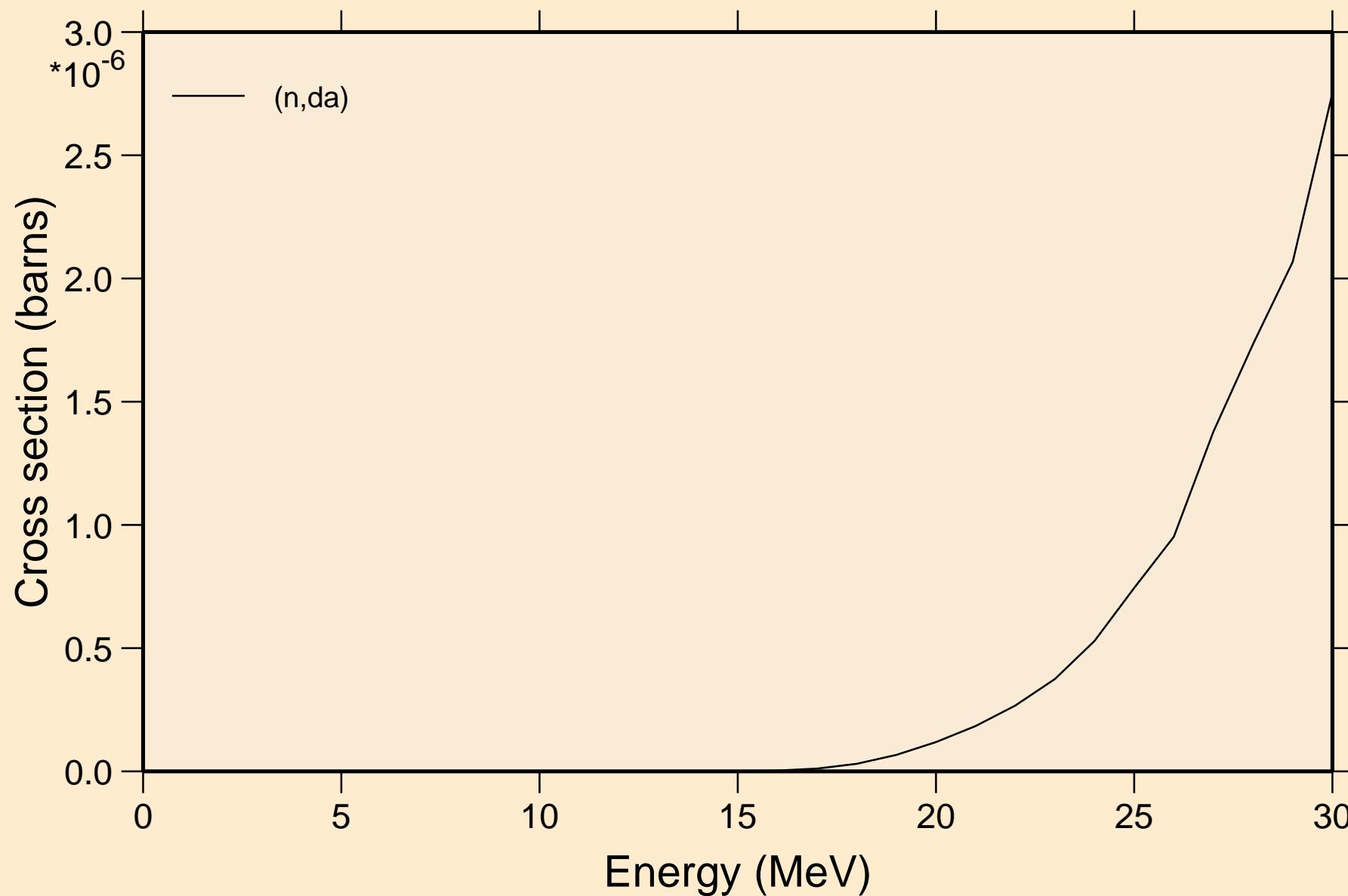


# EU146 NRG TENDL-2015, AKONING

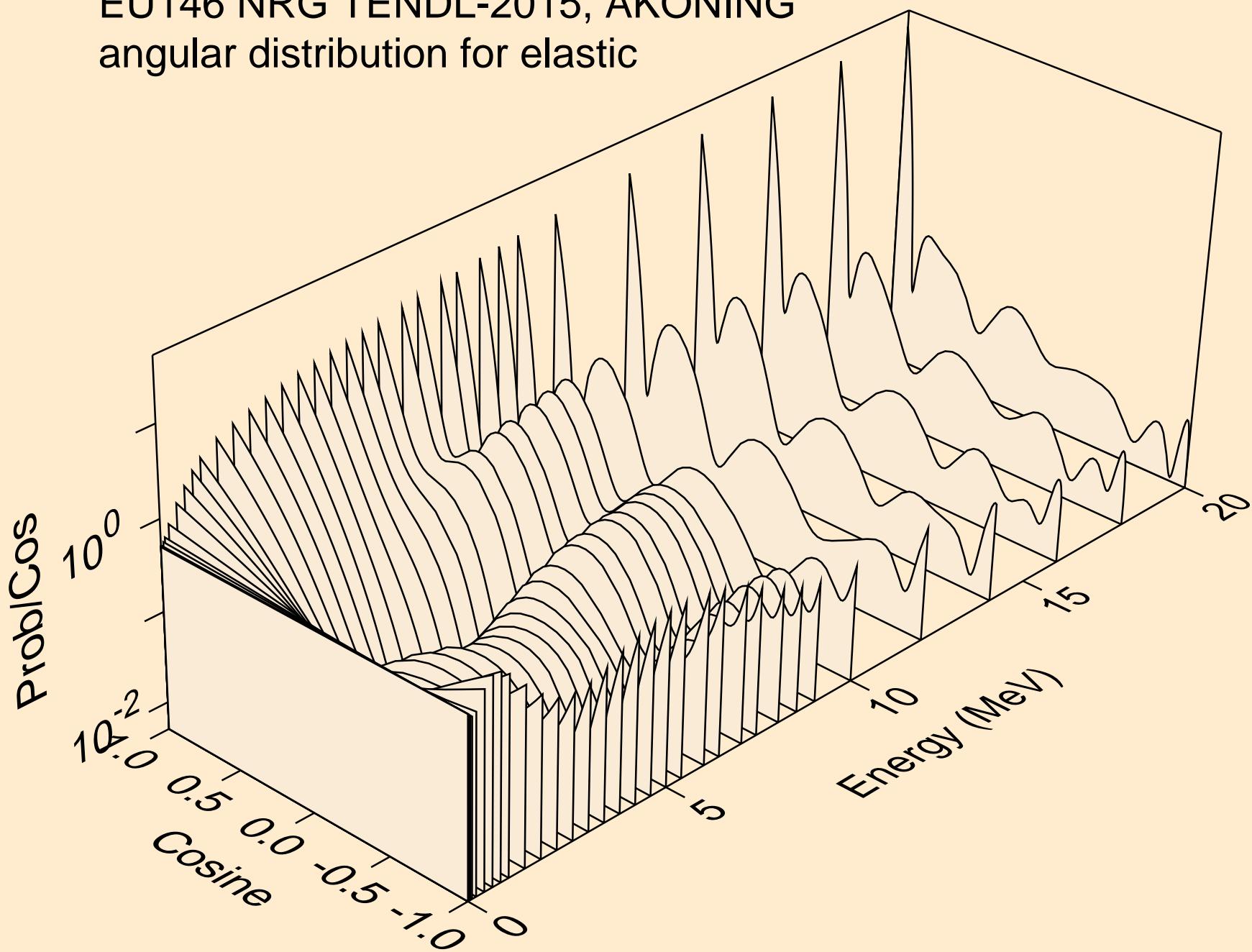
## Threshold reactions



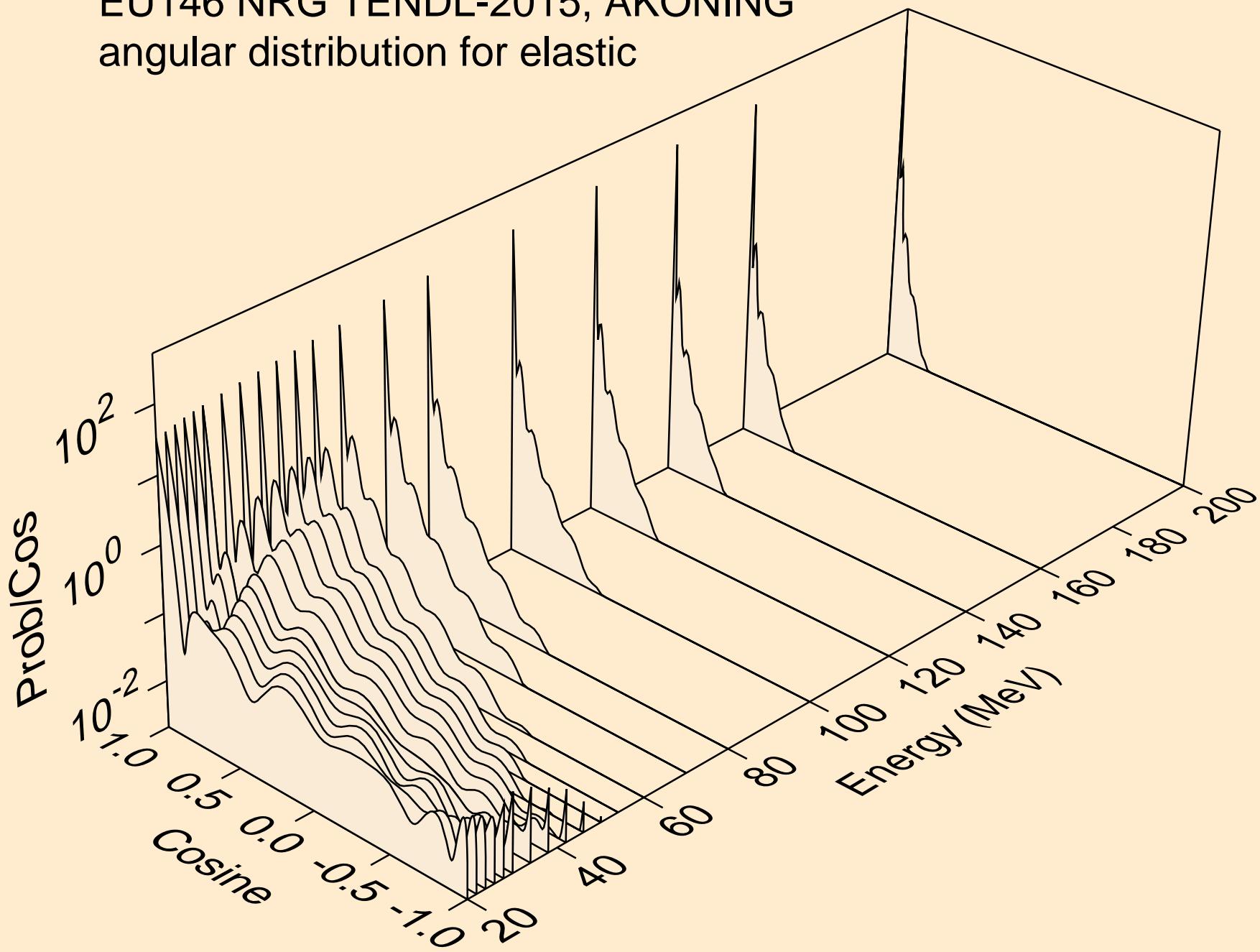
EU146 NRG TENDL-2015, AKONING  
Threshold reactions



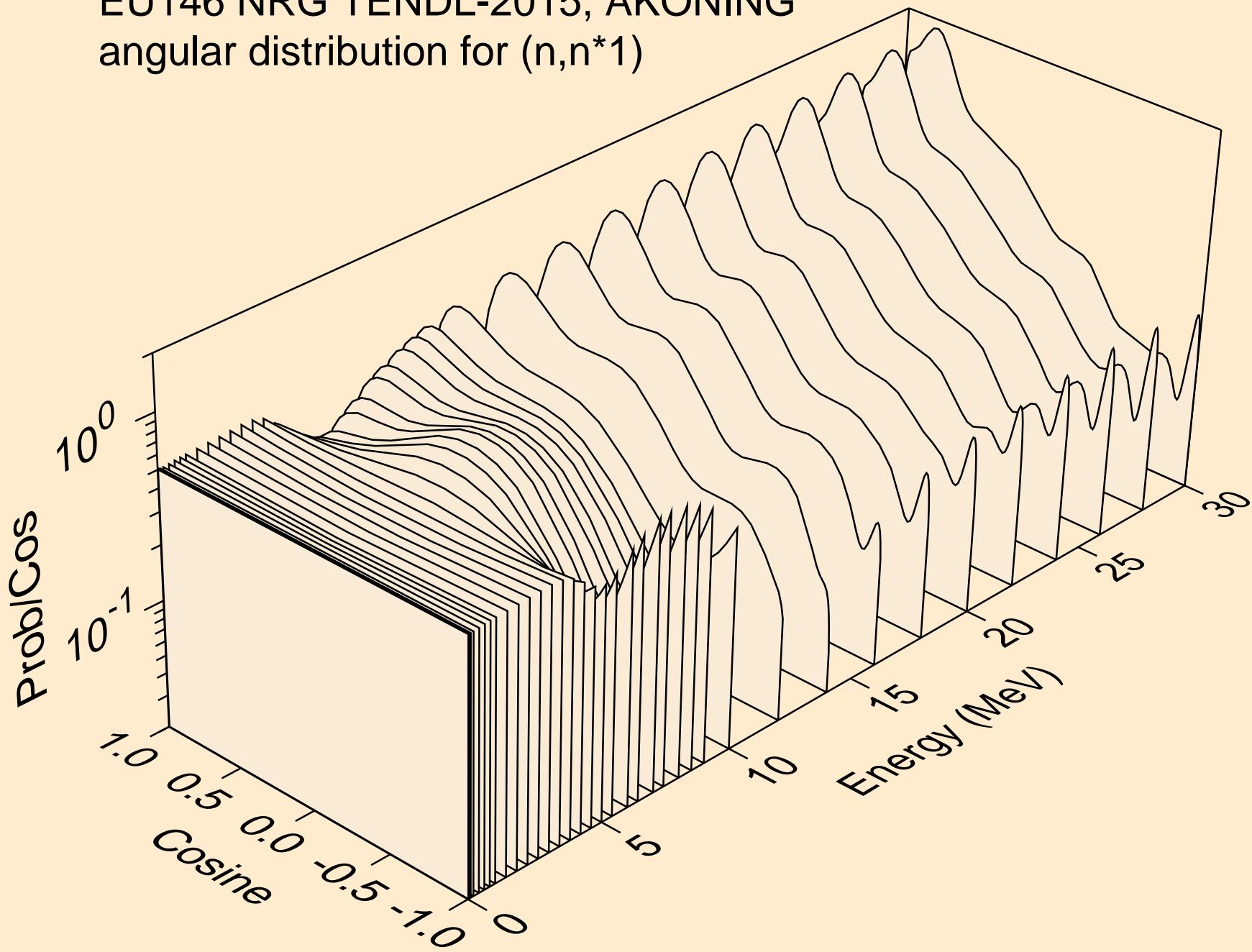
EU146 NRG TENDL-2015, AKONING  
angular distribution for elastic



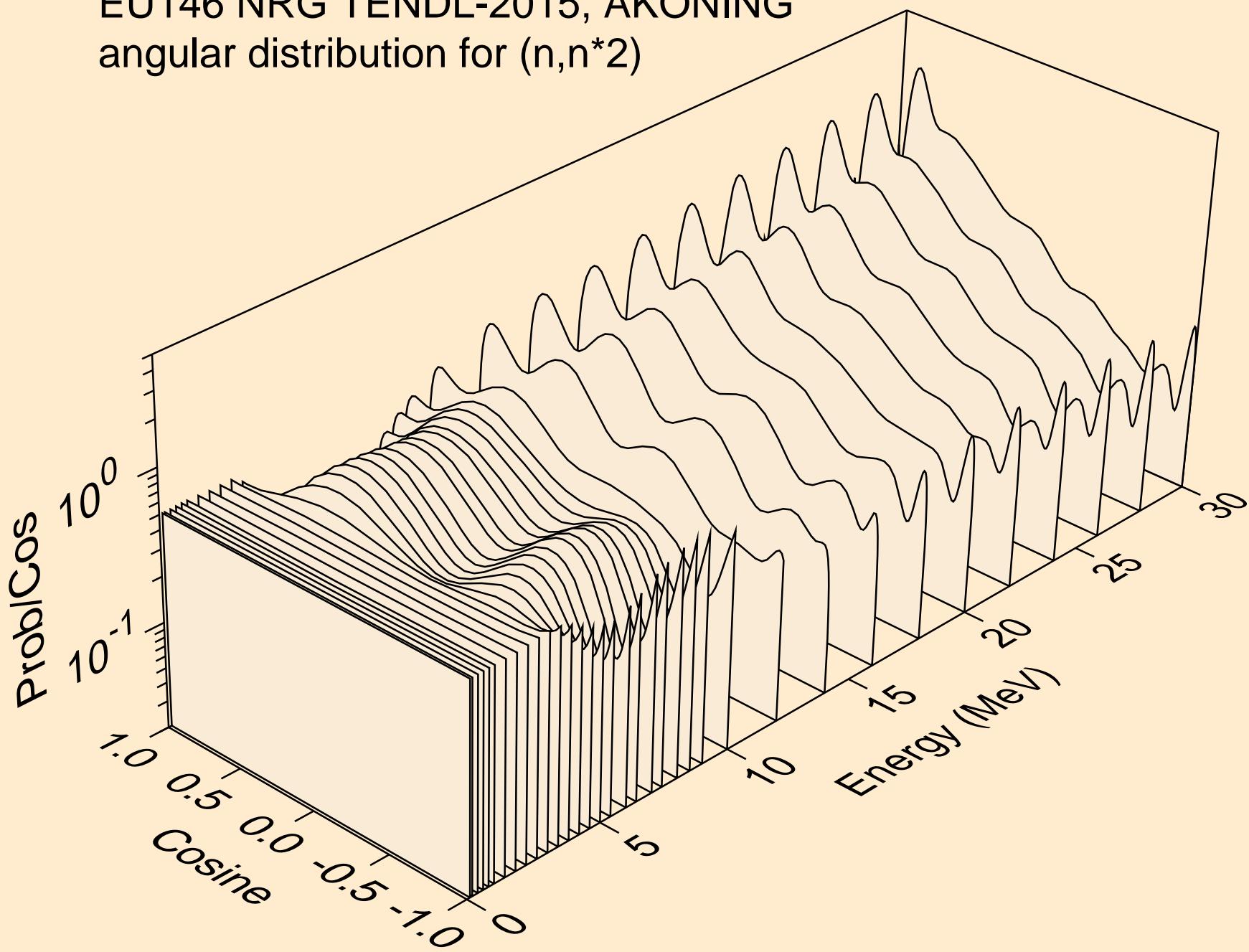
EU146 NRG TENDL-2015, AKONING  
angular distribution for elastic



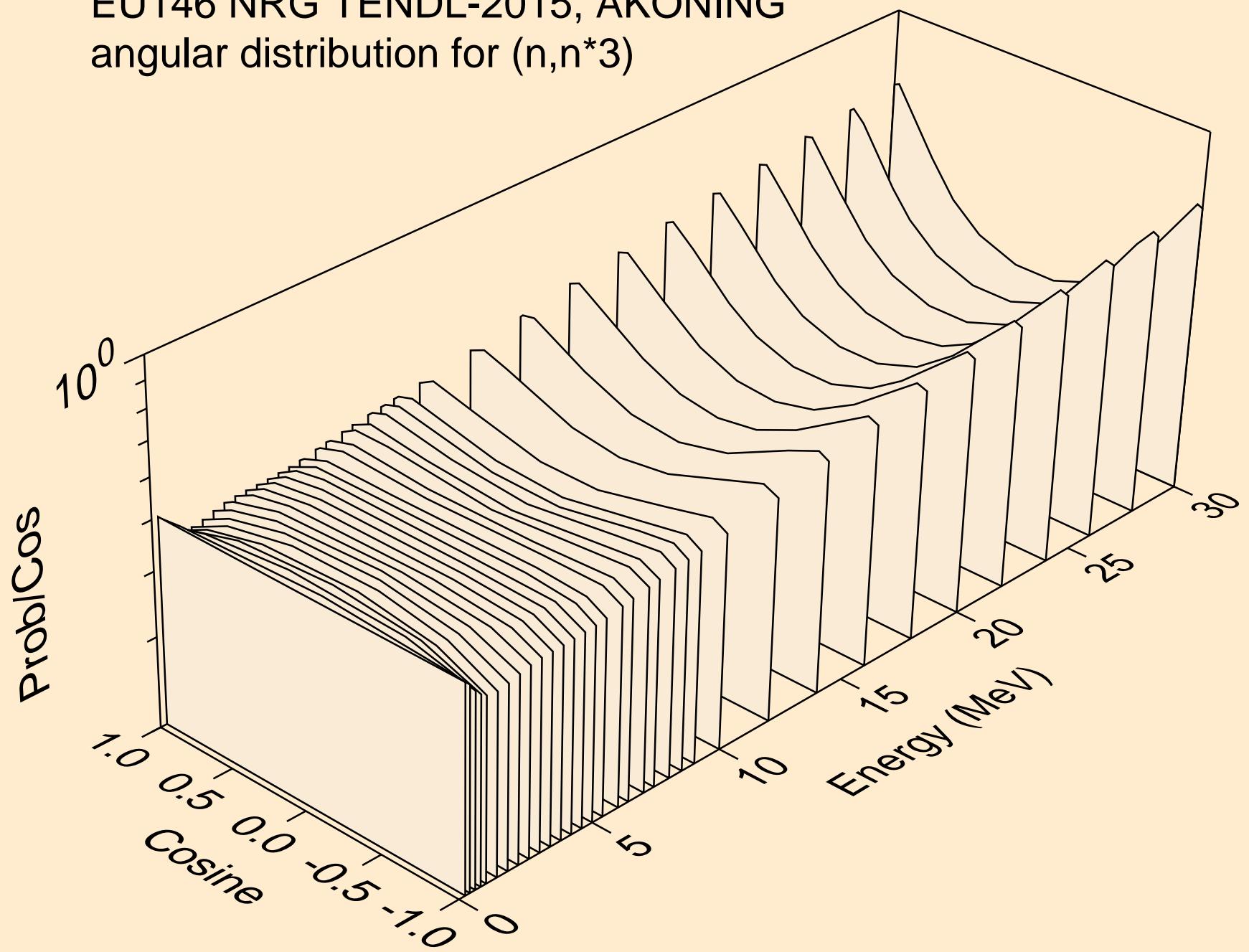
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



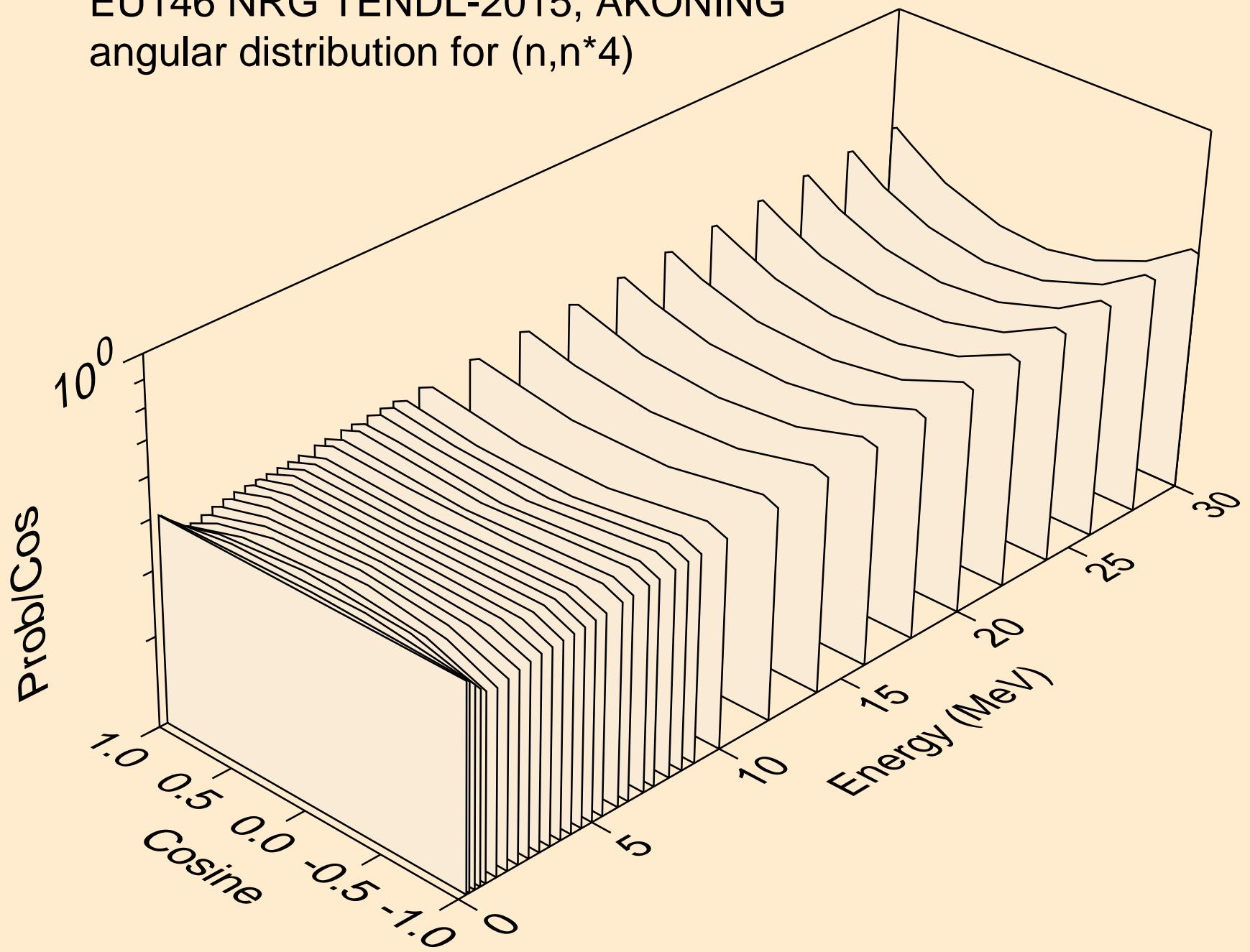
EU146 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^2$



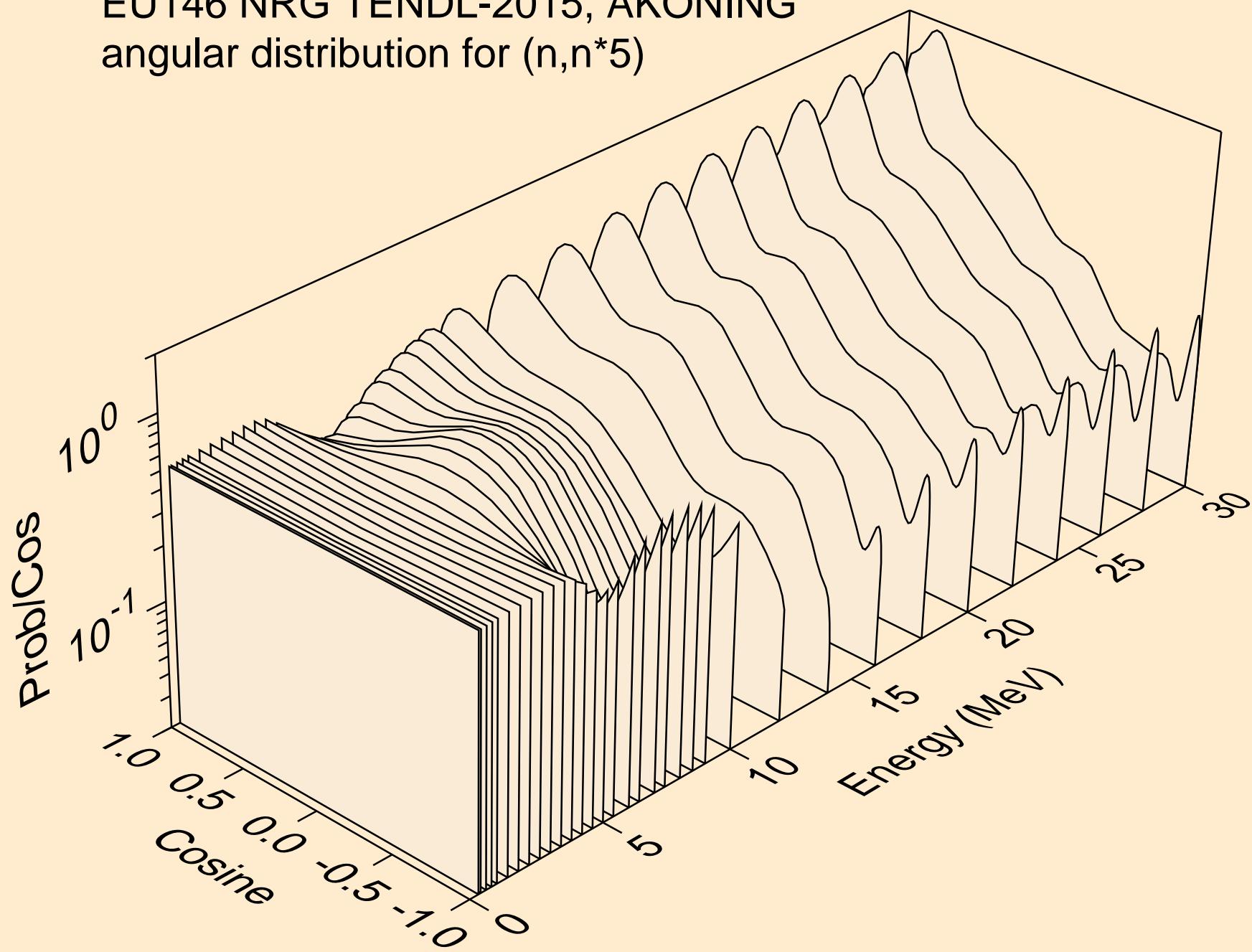
EU146 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



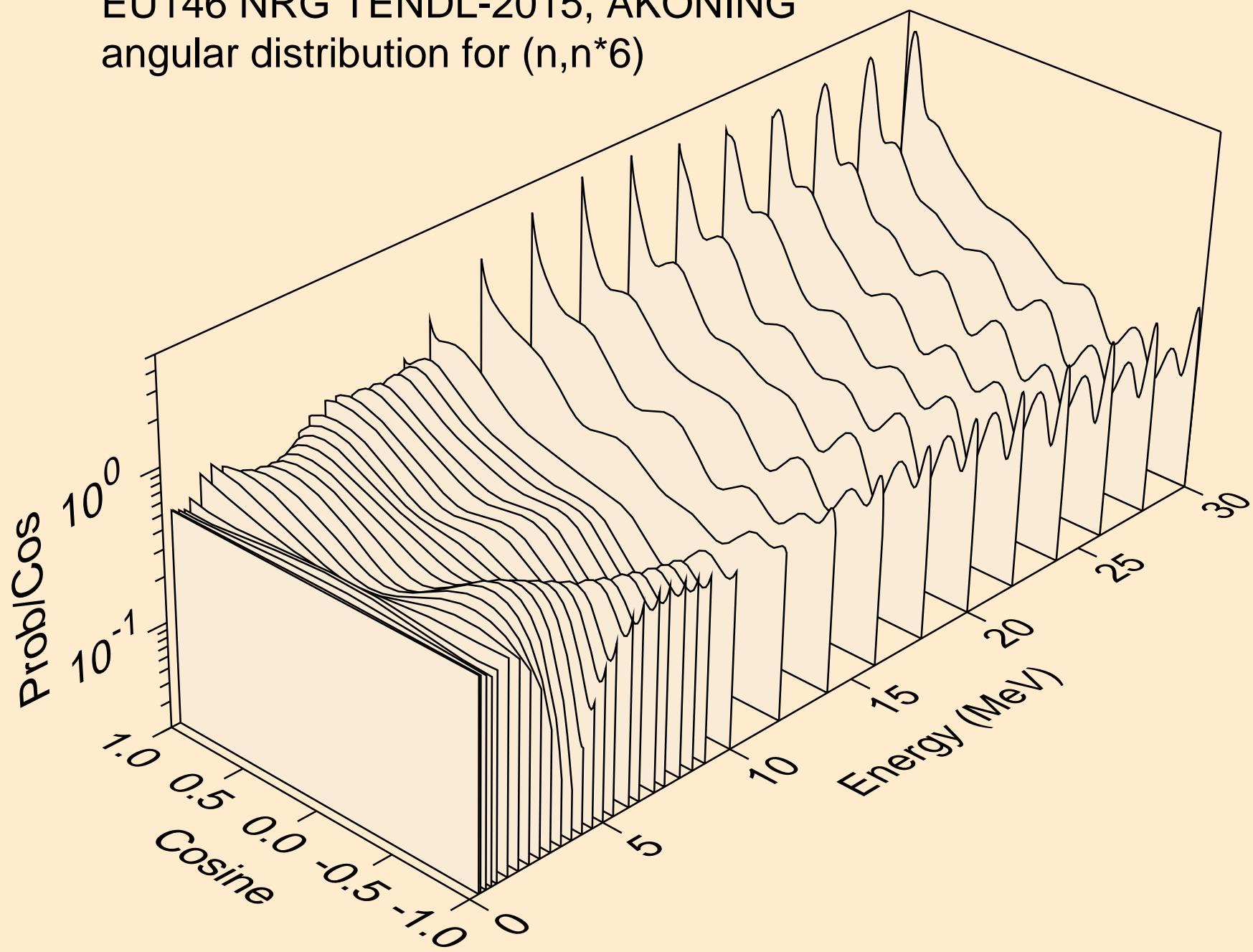
EU146 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



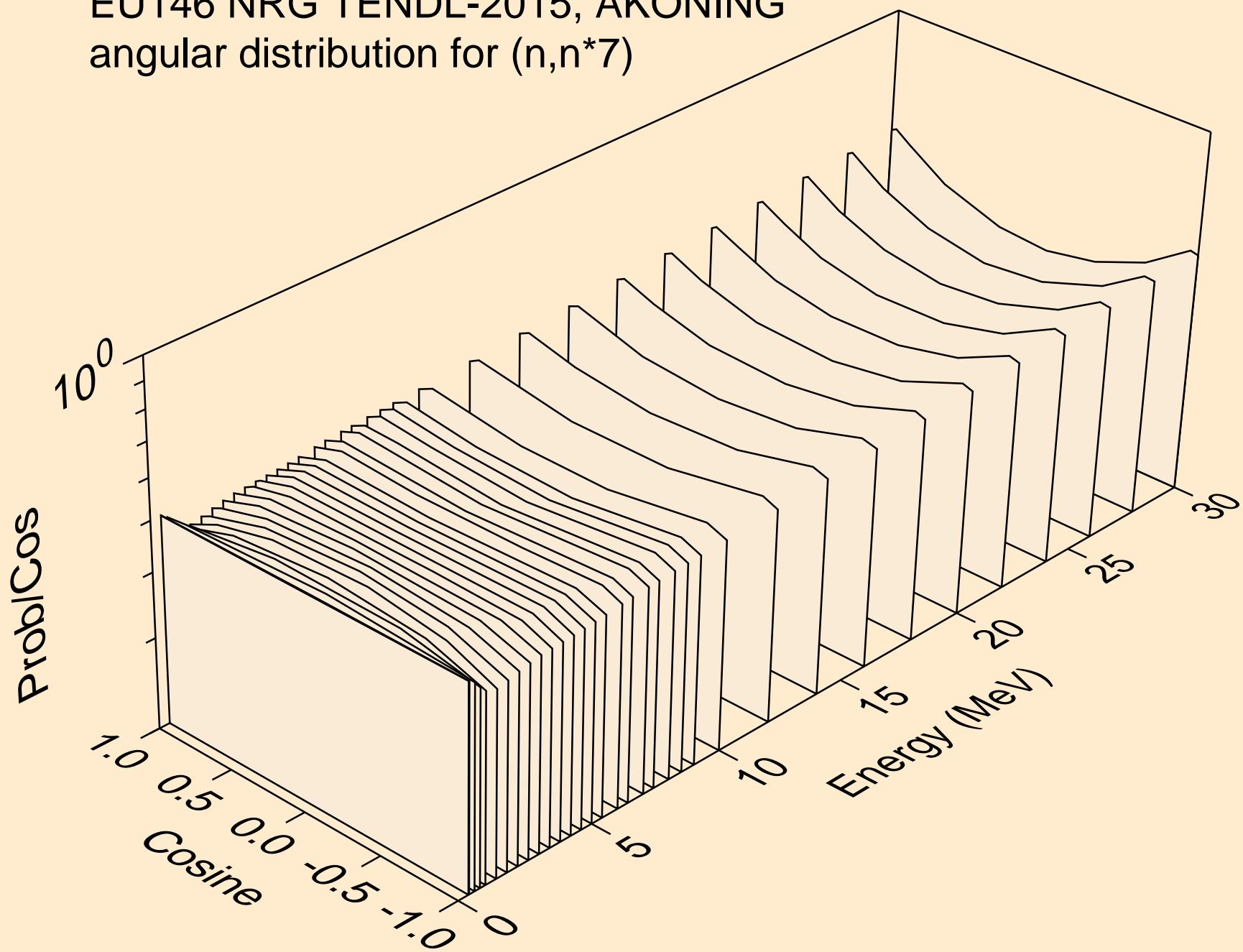
EU146 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



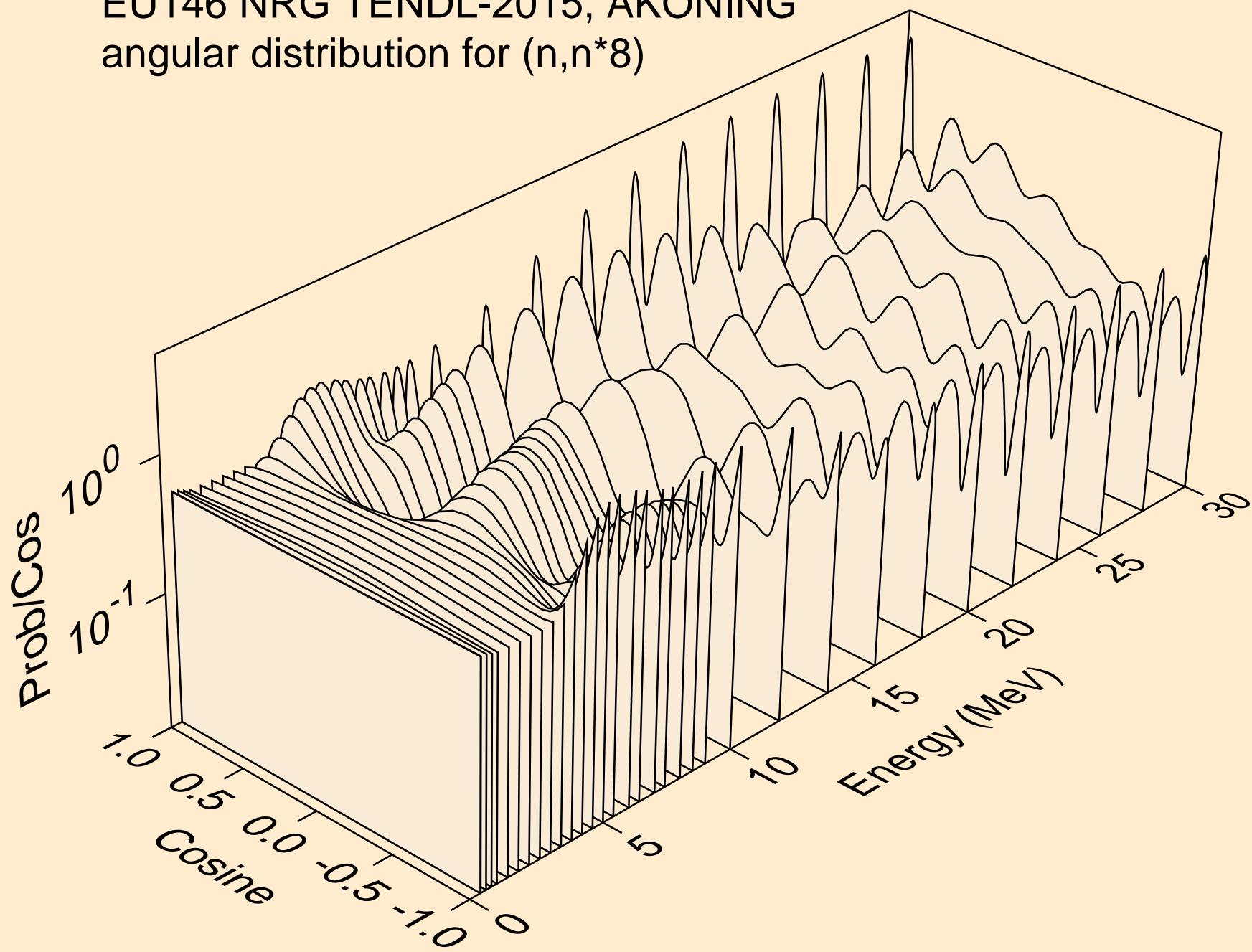
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angular distribution for (n,n\*6)



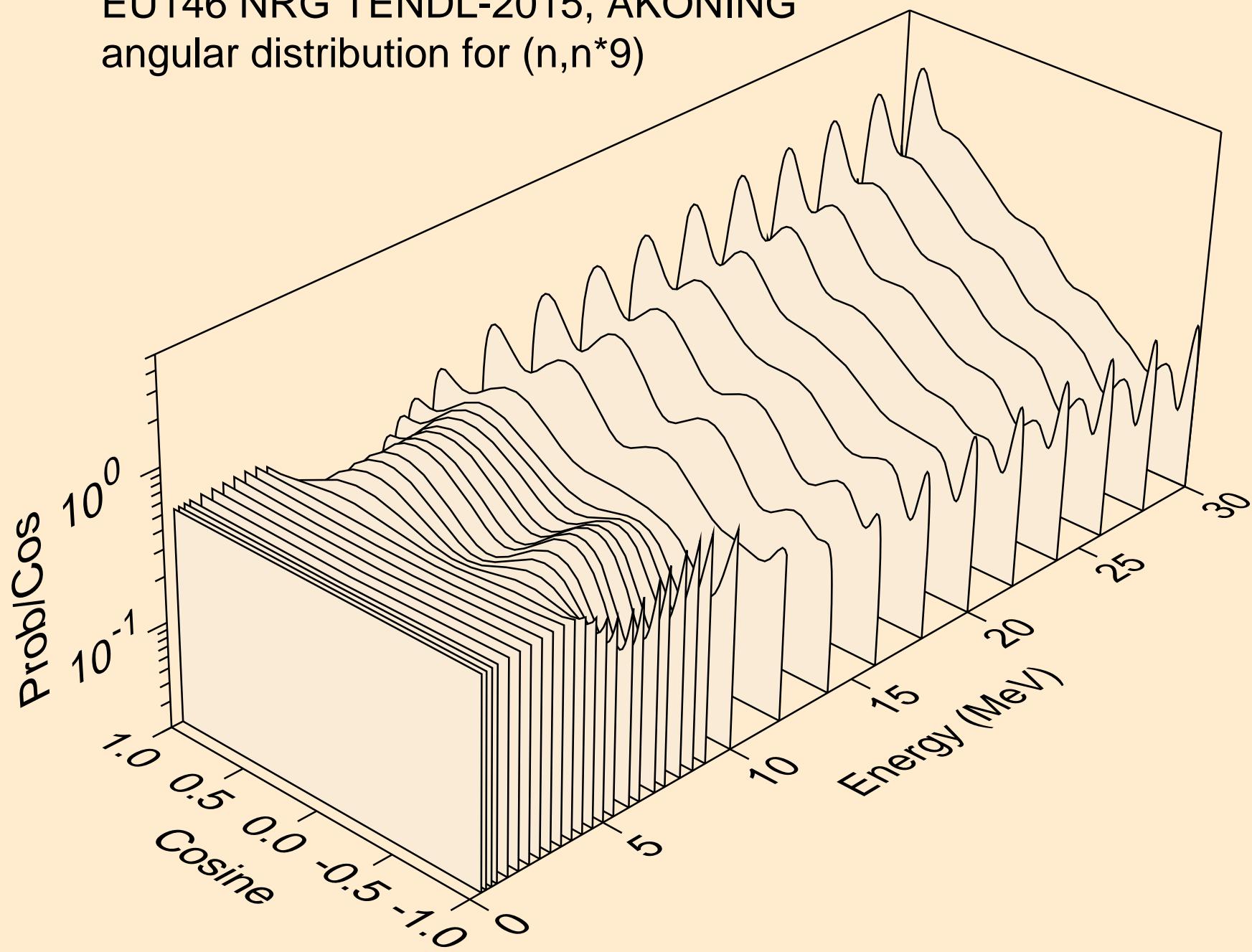
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



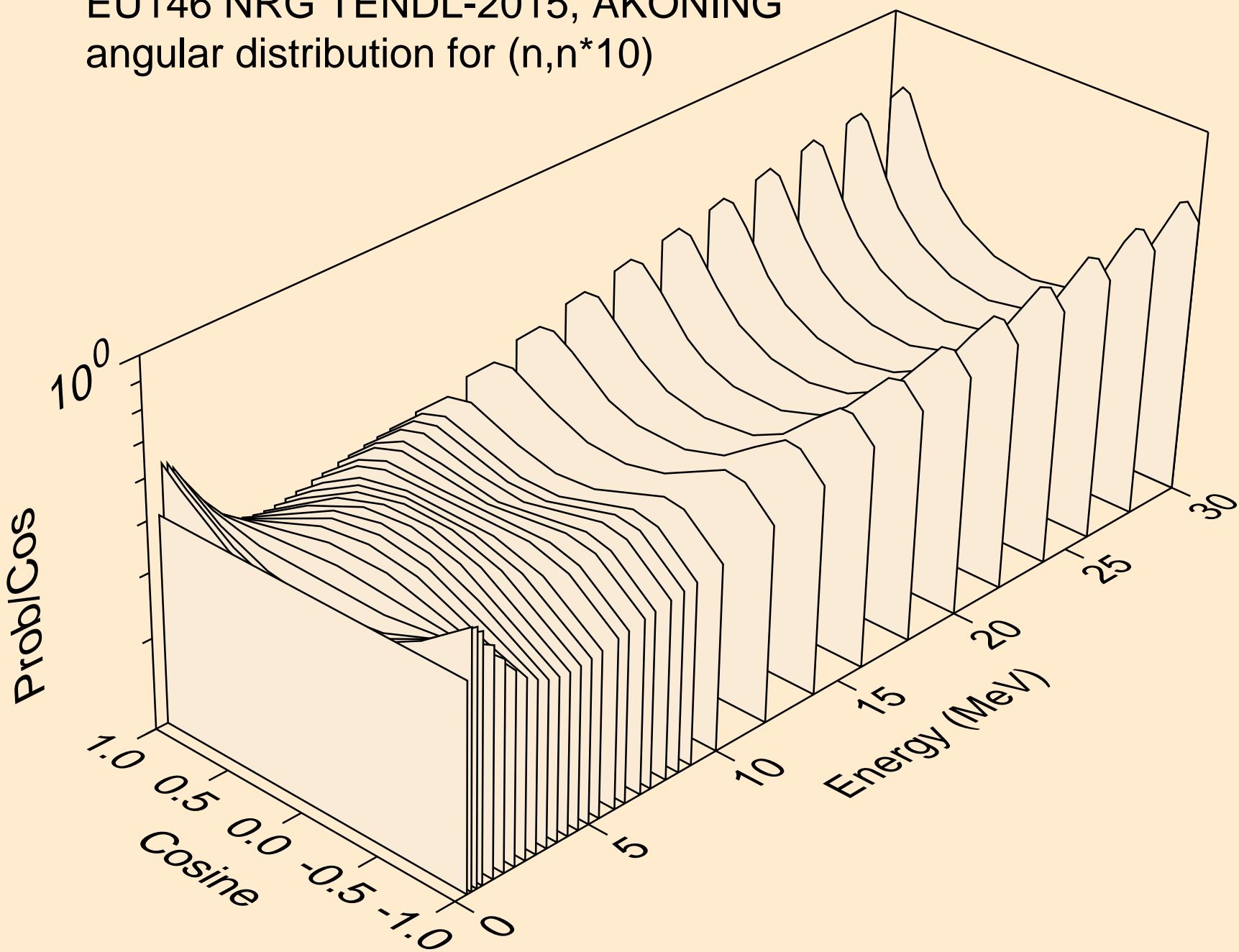
EU146 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



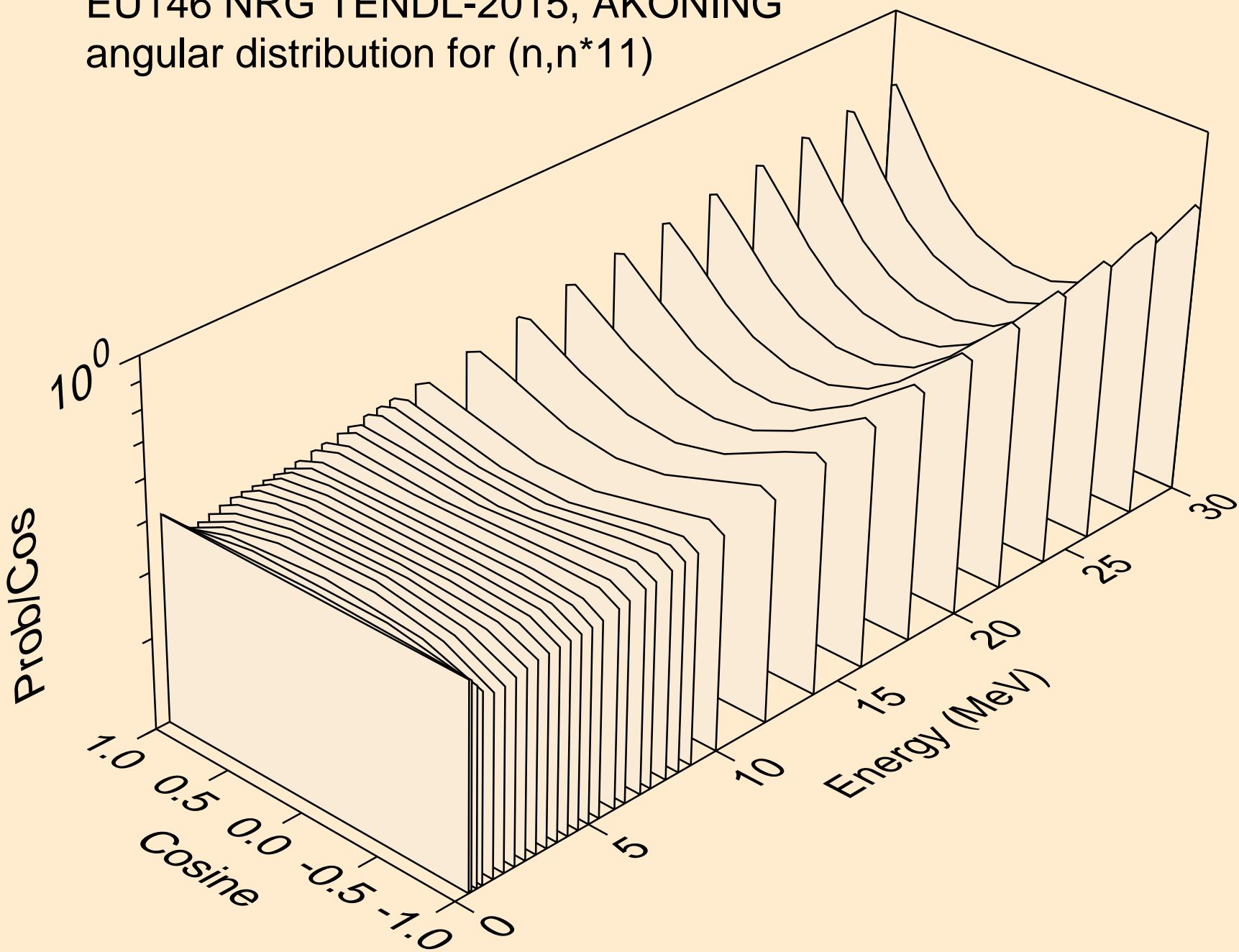
EU146 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)9$



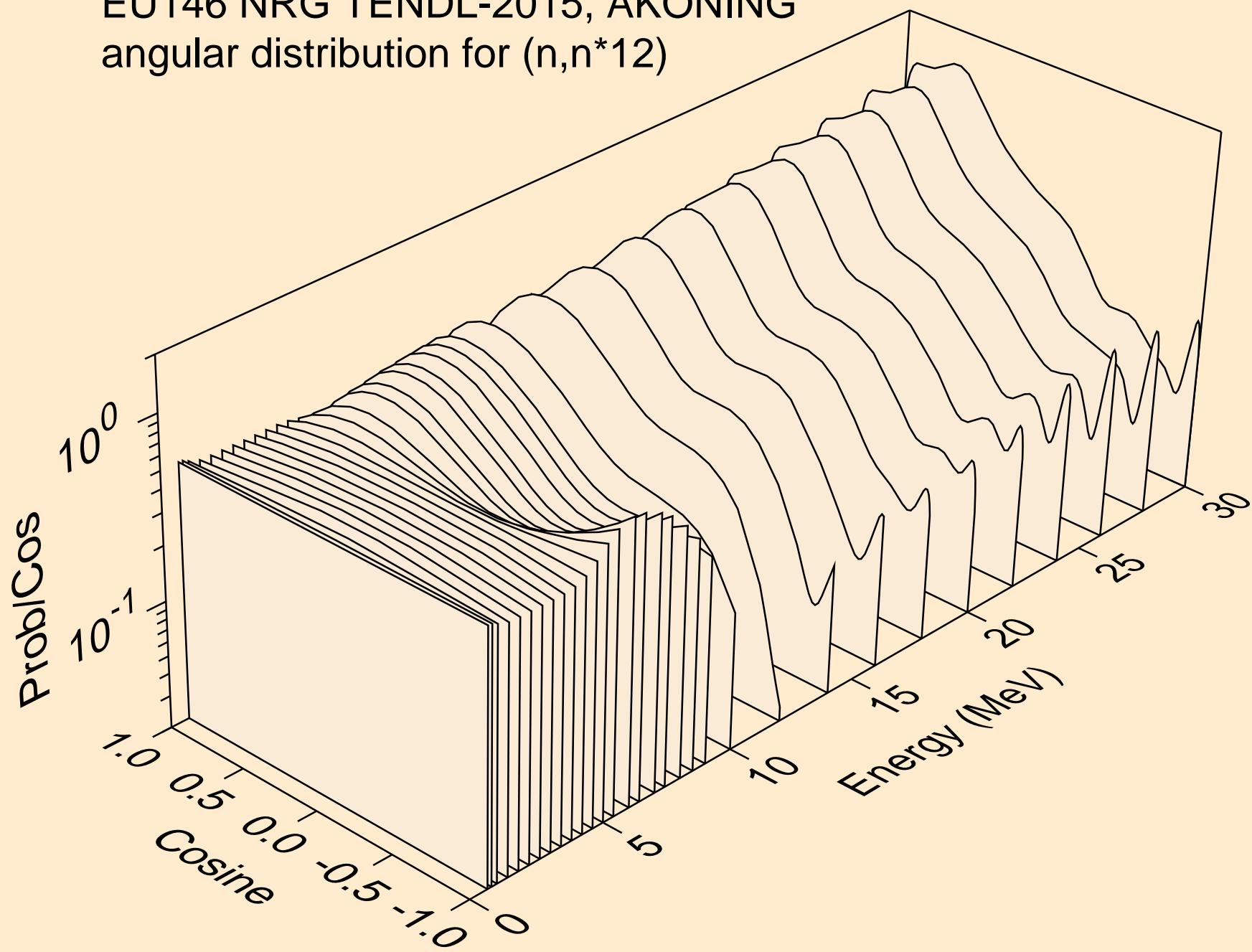
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



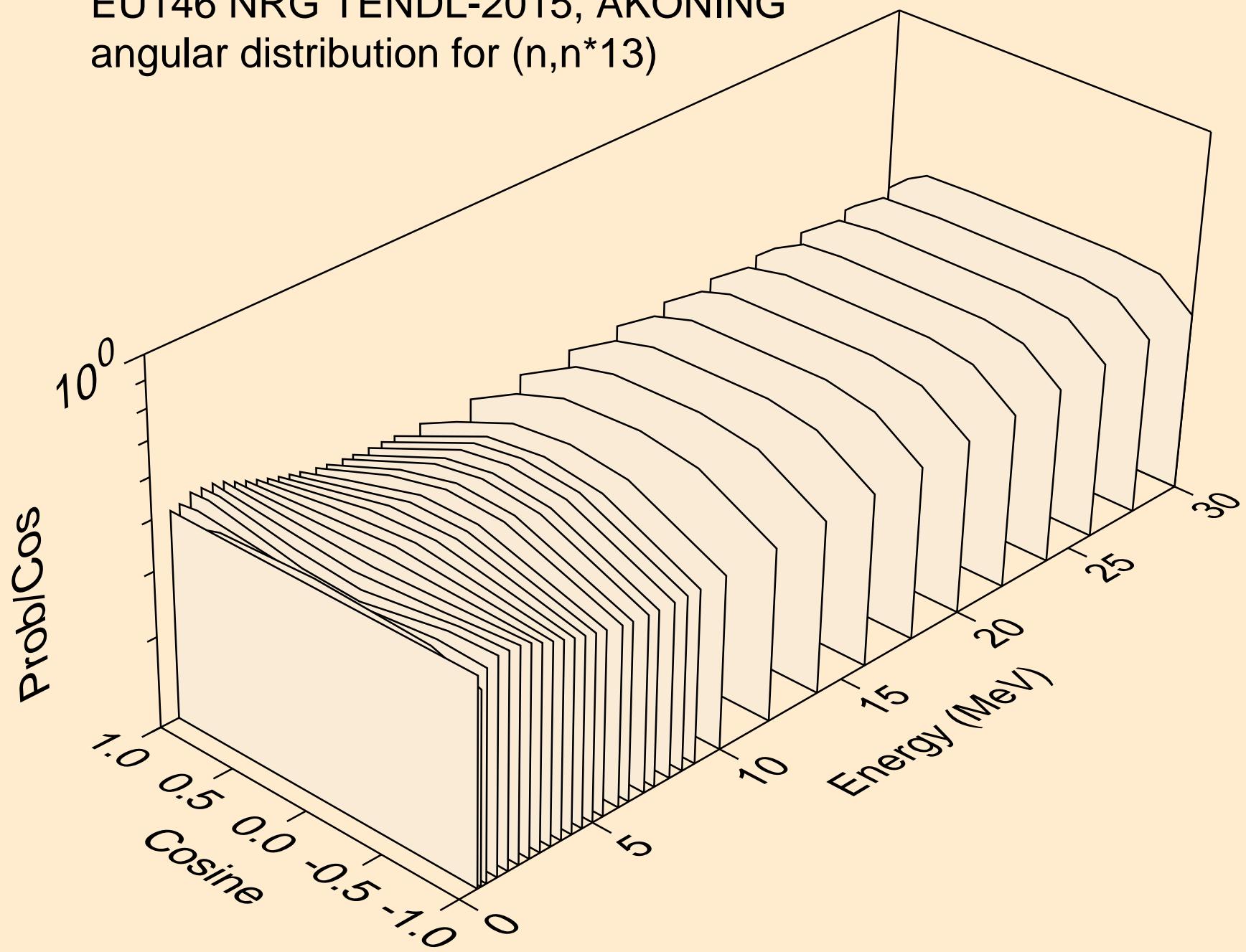
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



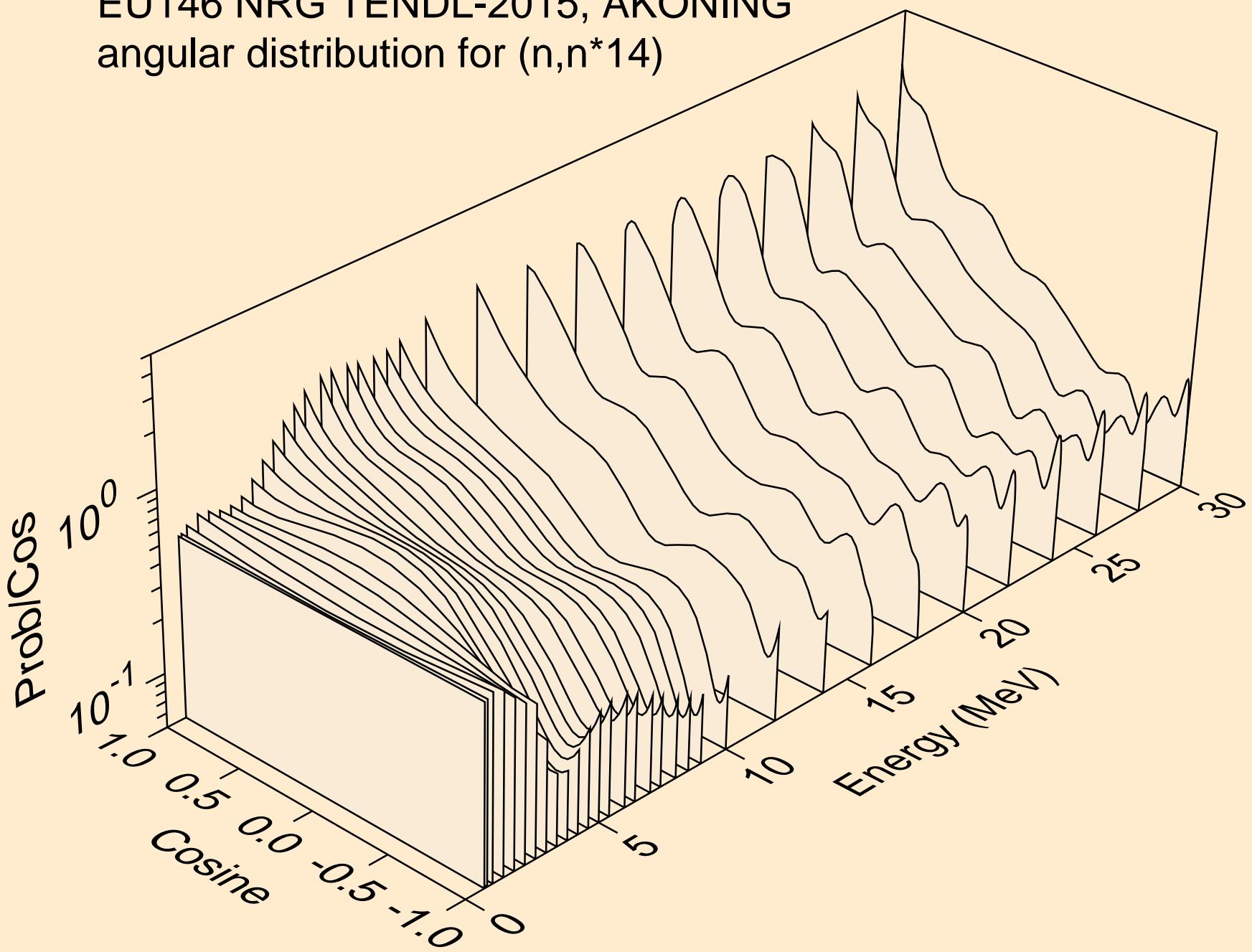
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



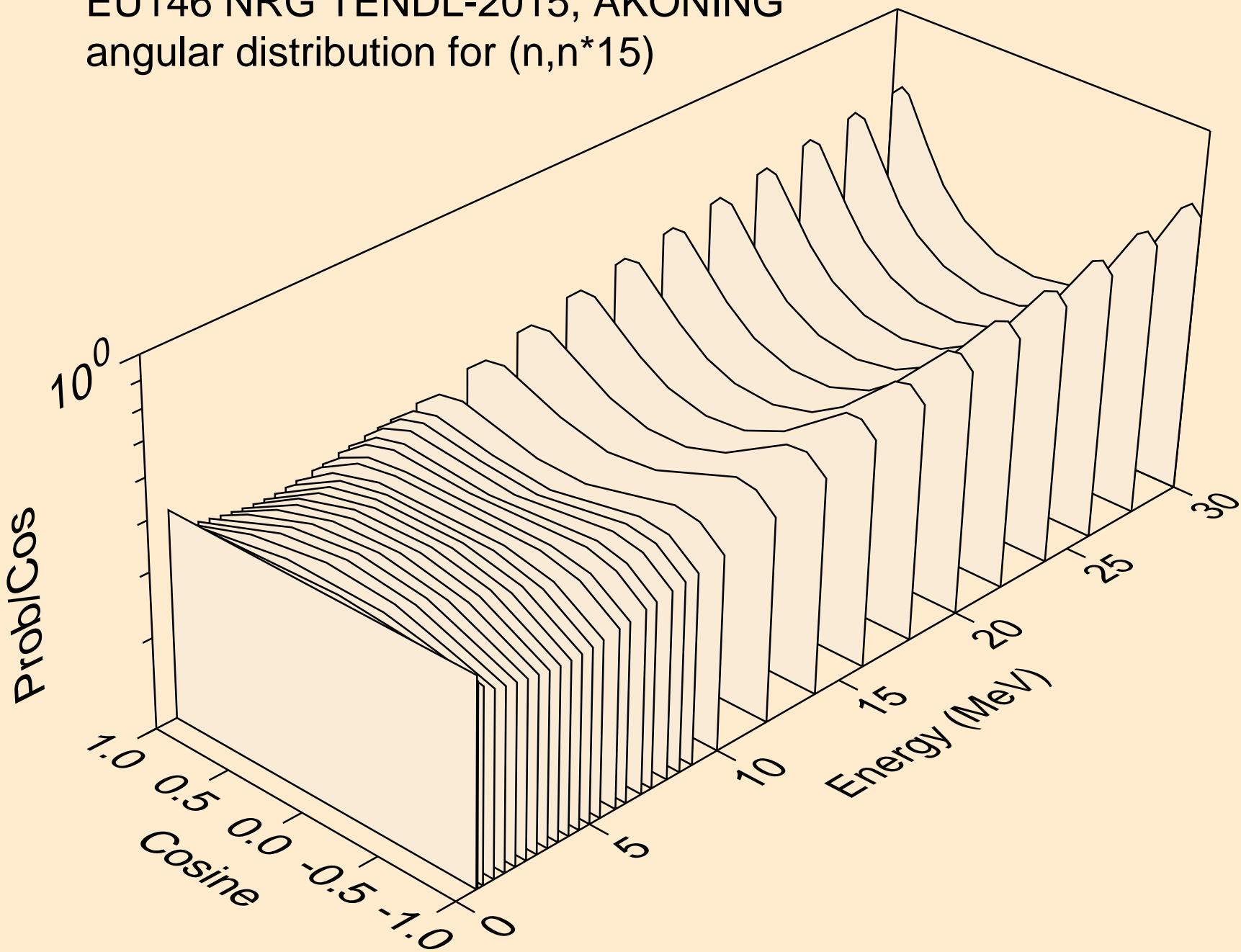
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



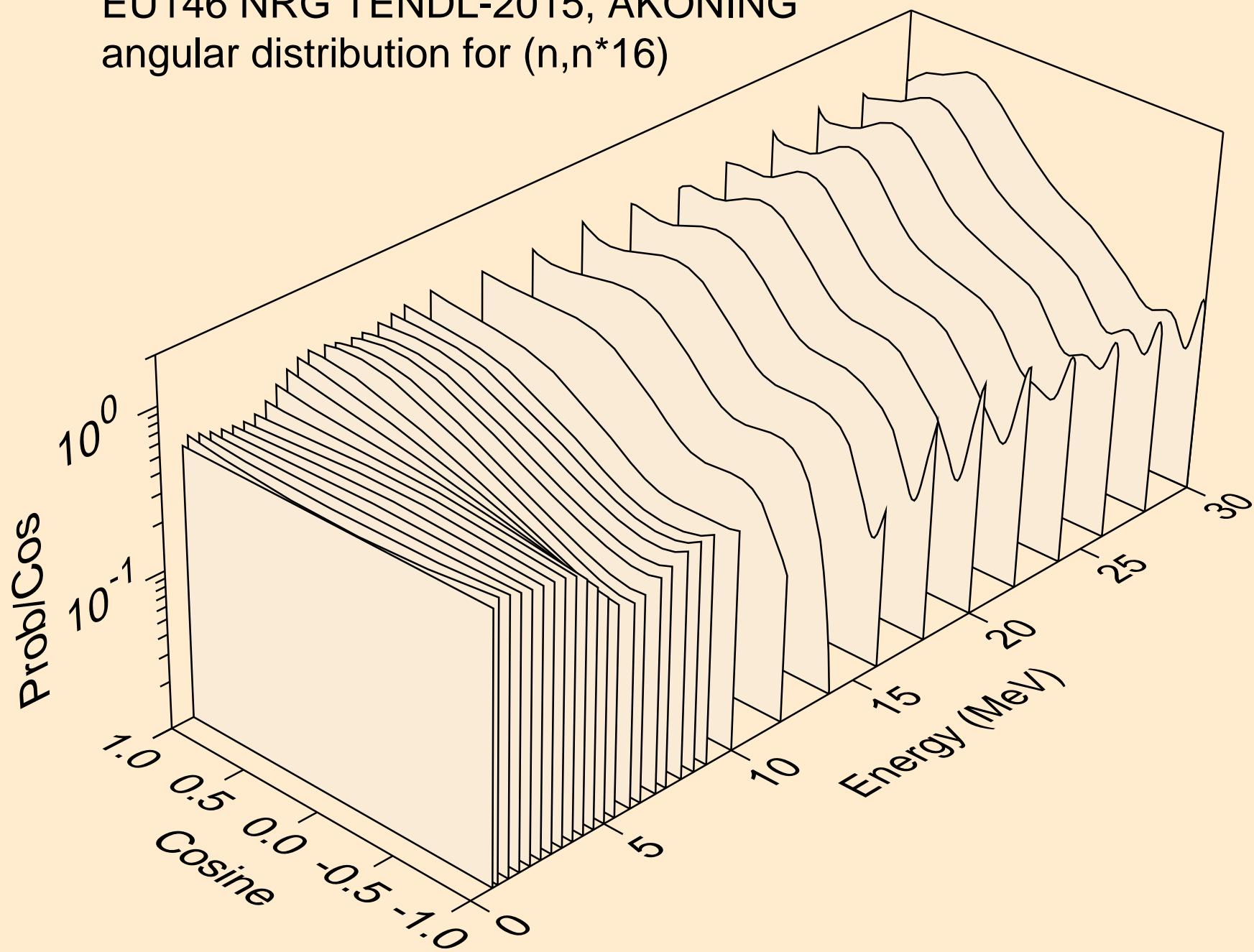
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



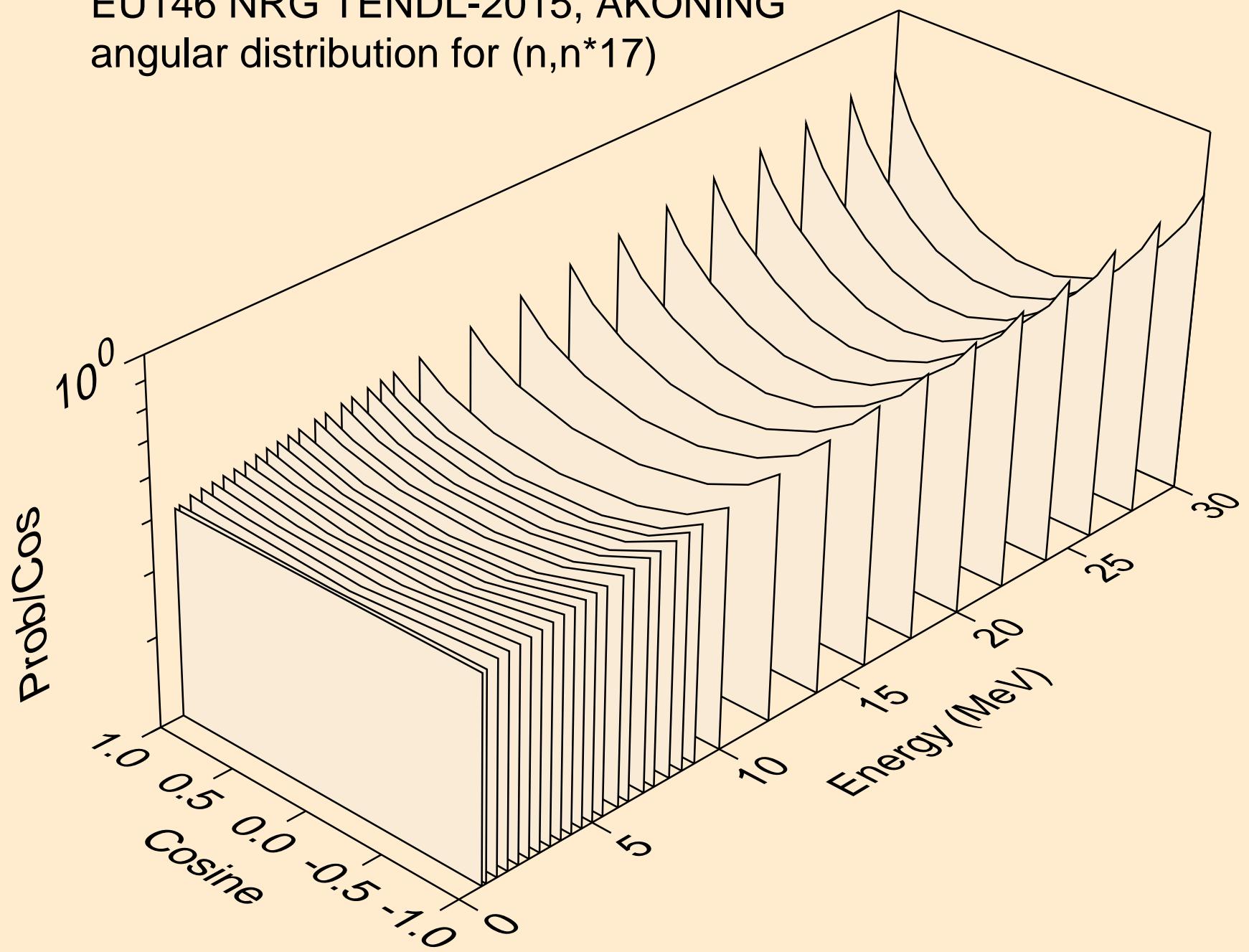
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



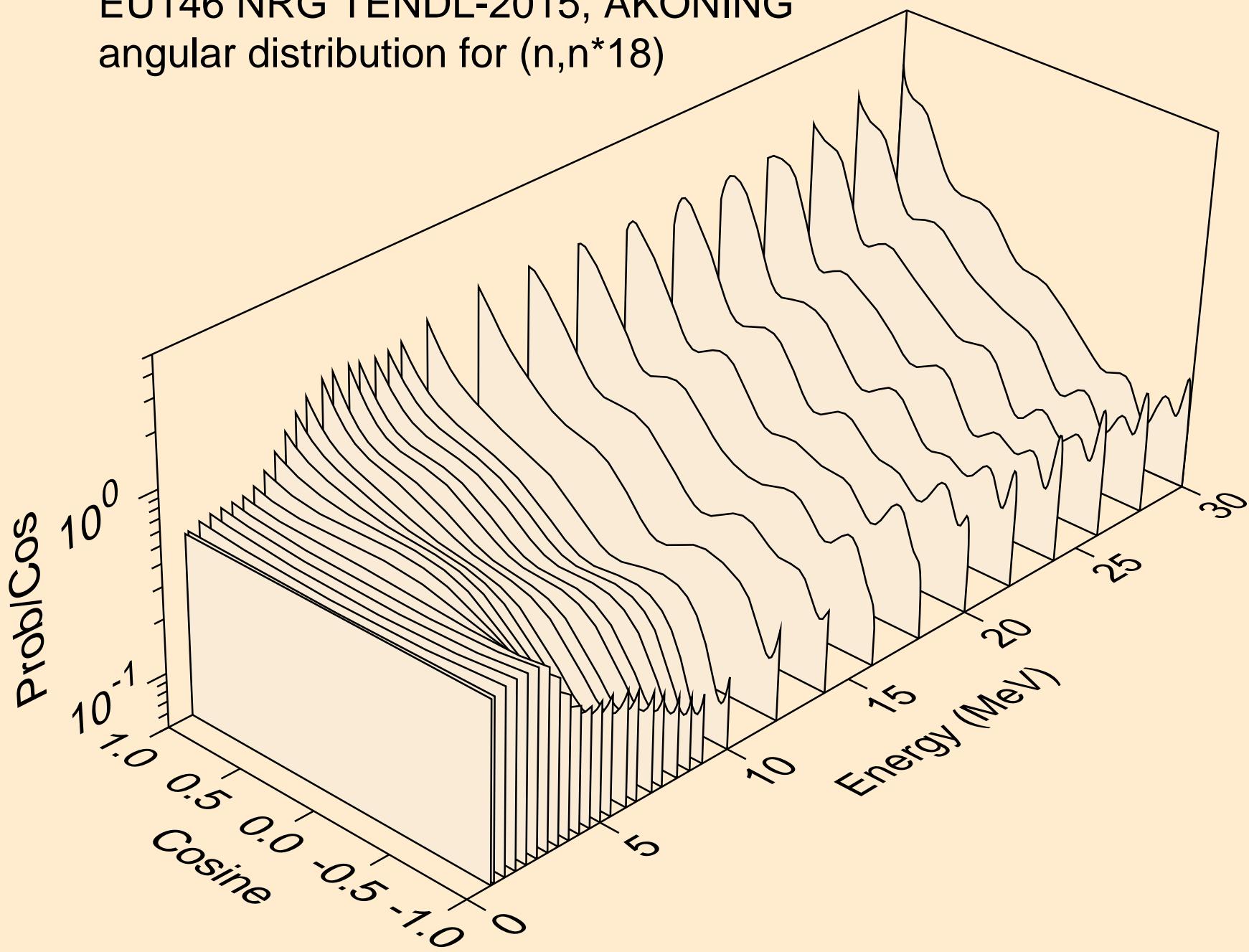
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



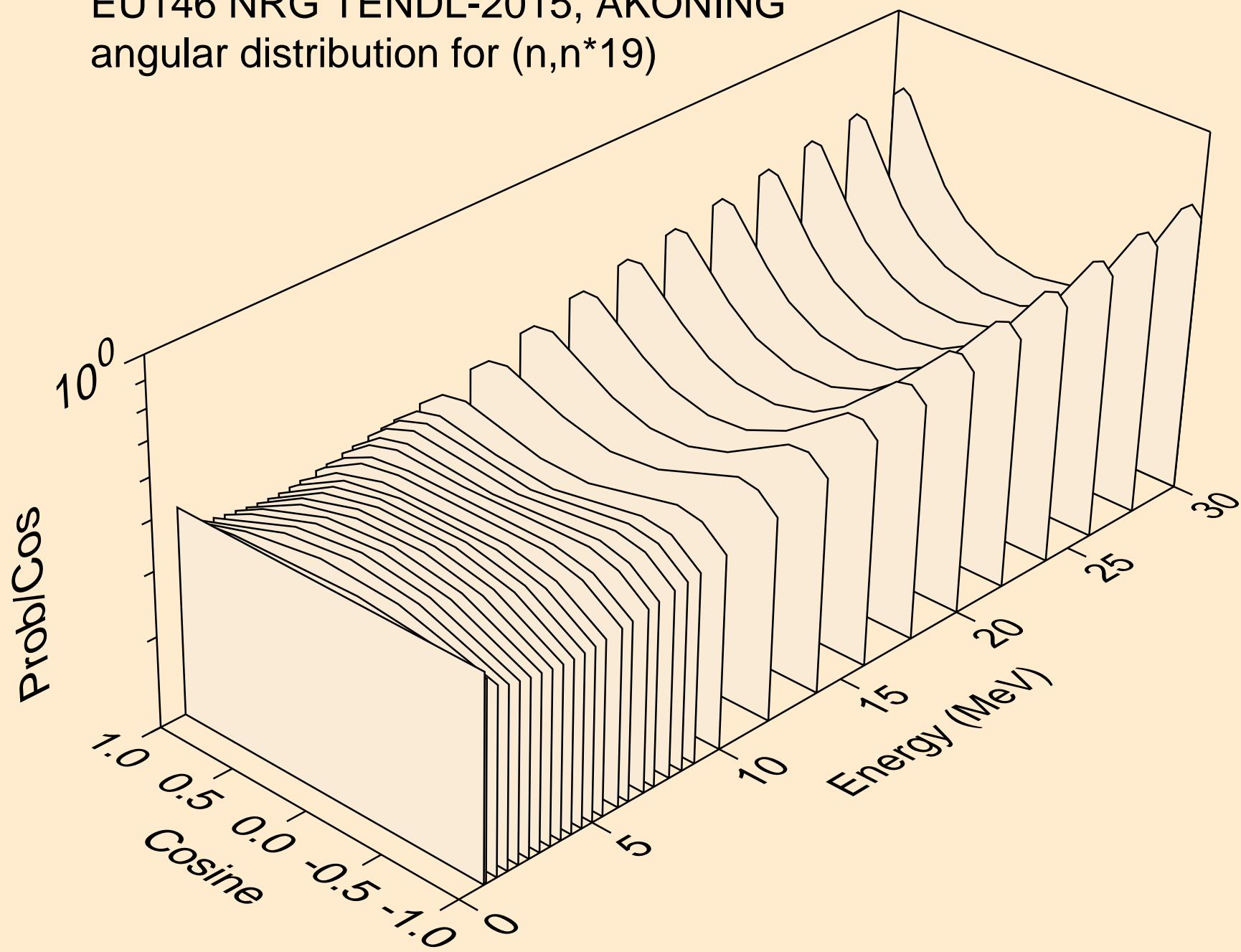
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



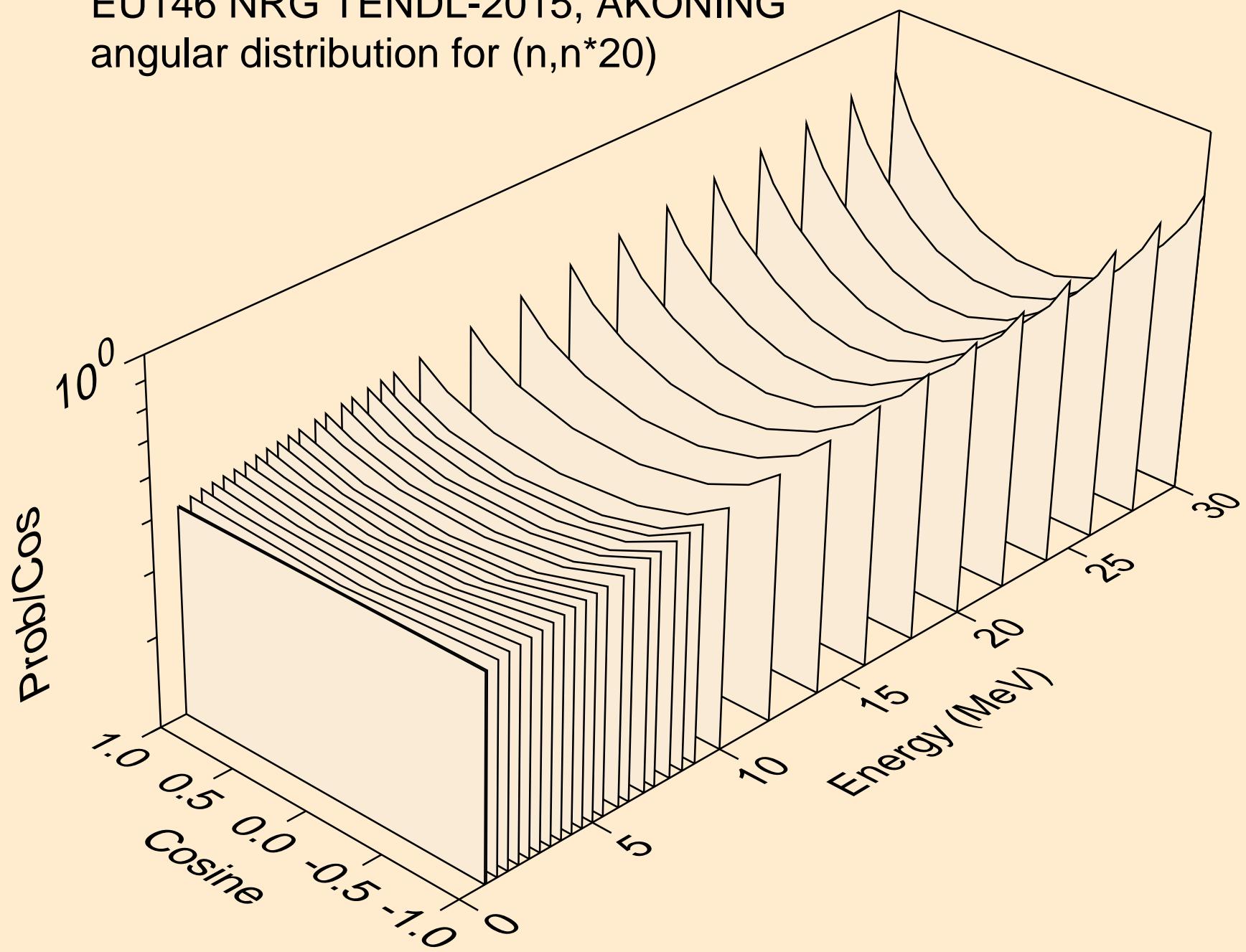
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angular distribution for  $(n,n^*18)$



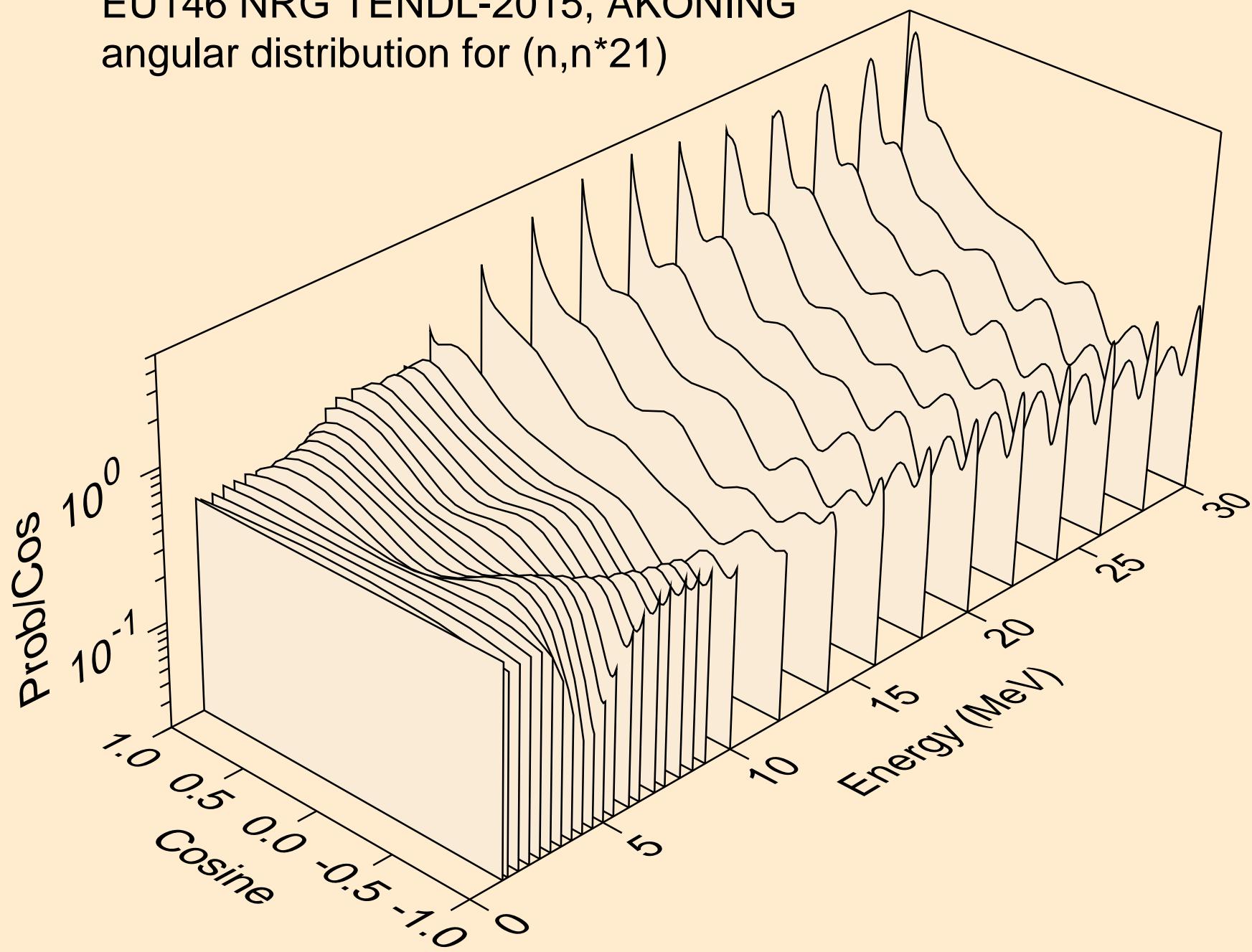
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angular distribution for (n,n\*19)



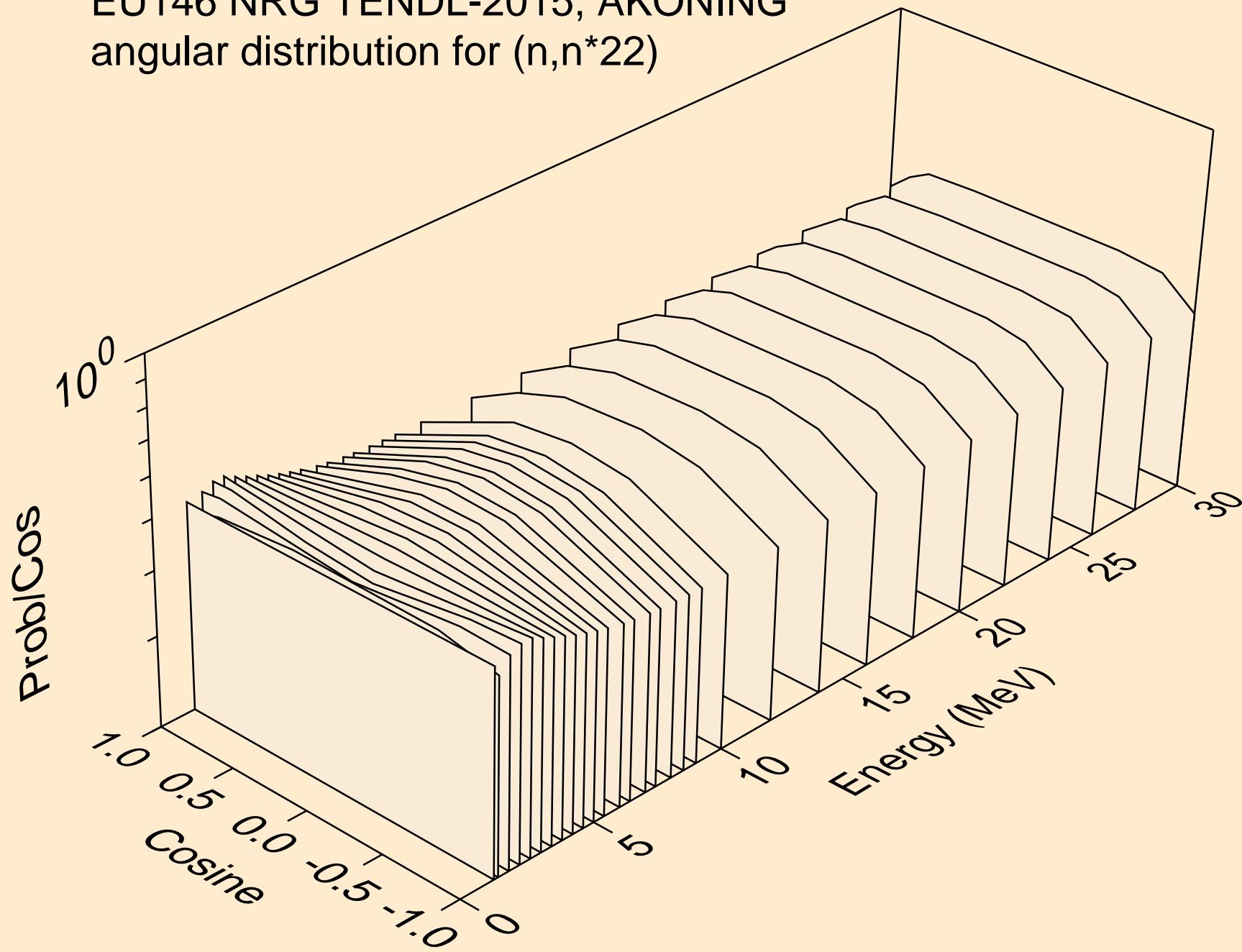
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angular distribution for (n,n\*20)



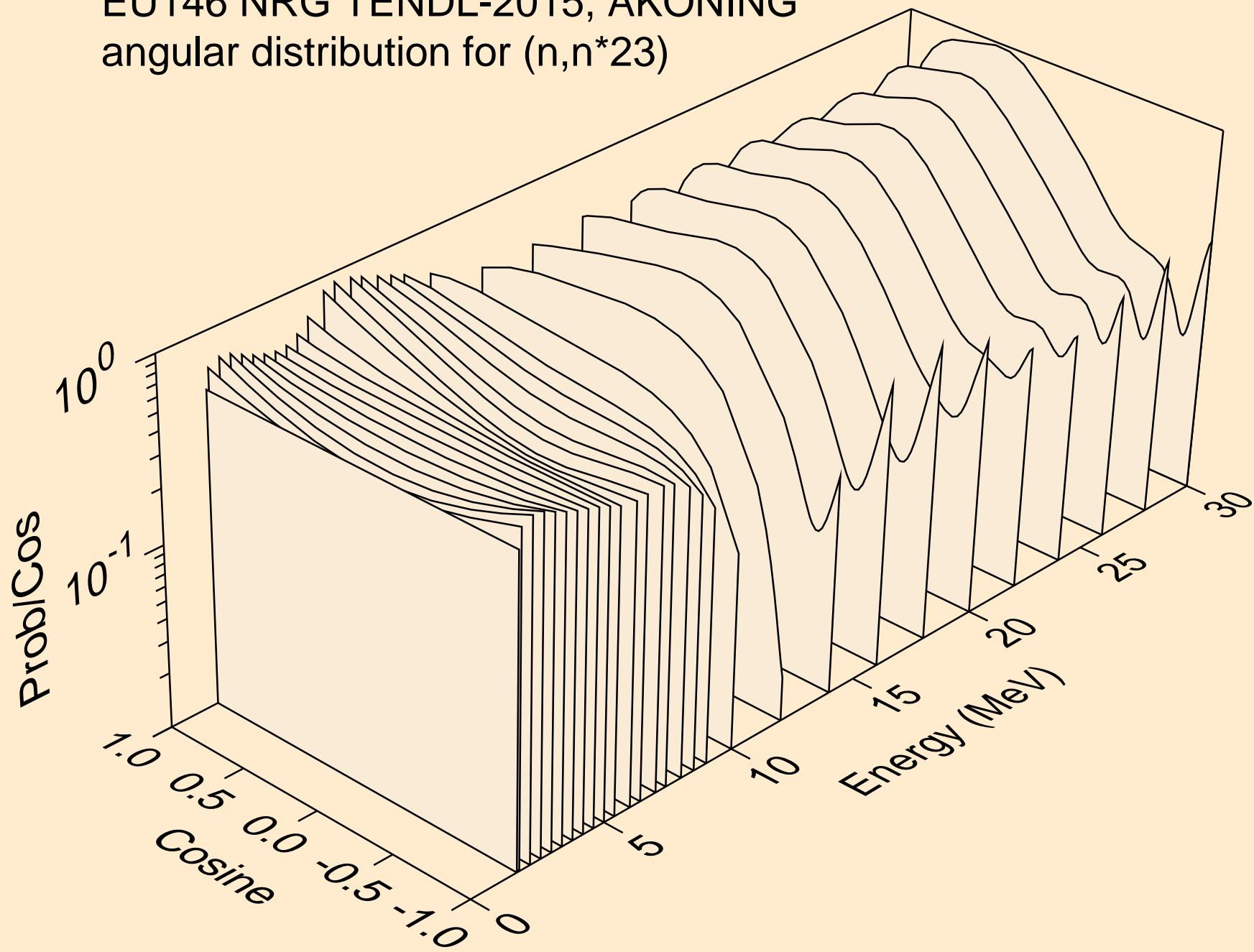
EU146 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*21$ )



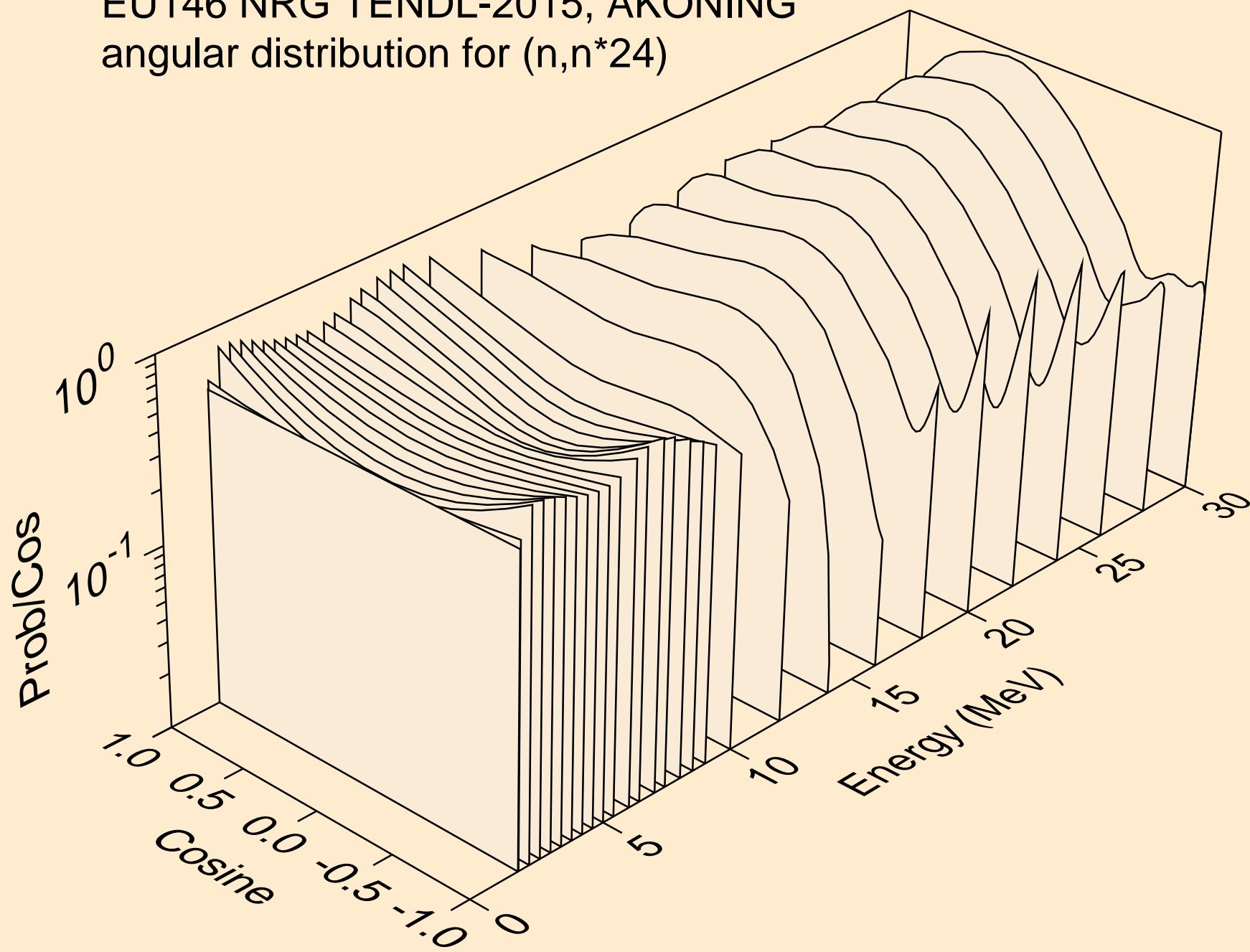
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angular distribution for (n,n\*22)



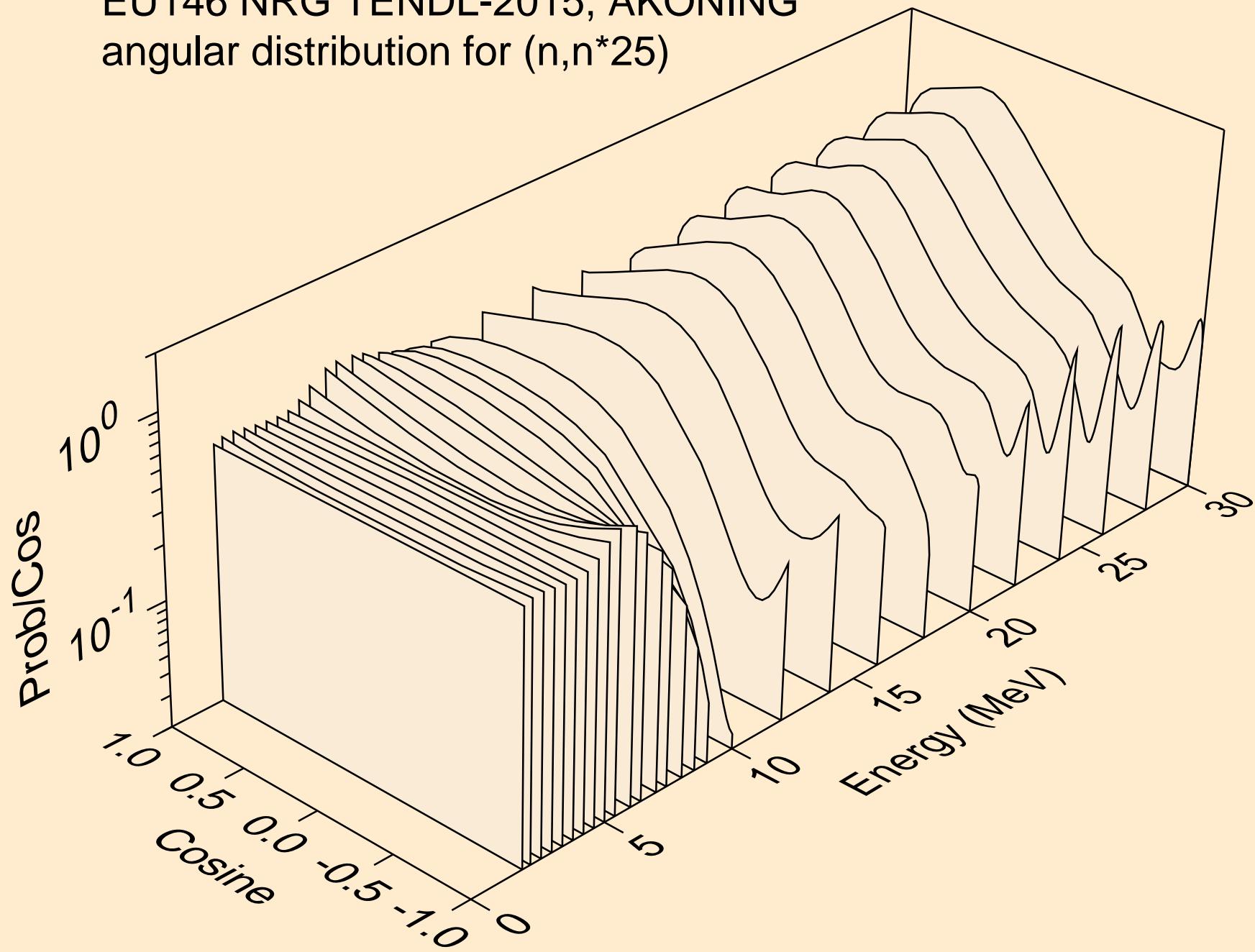
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



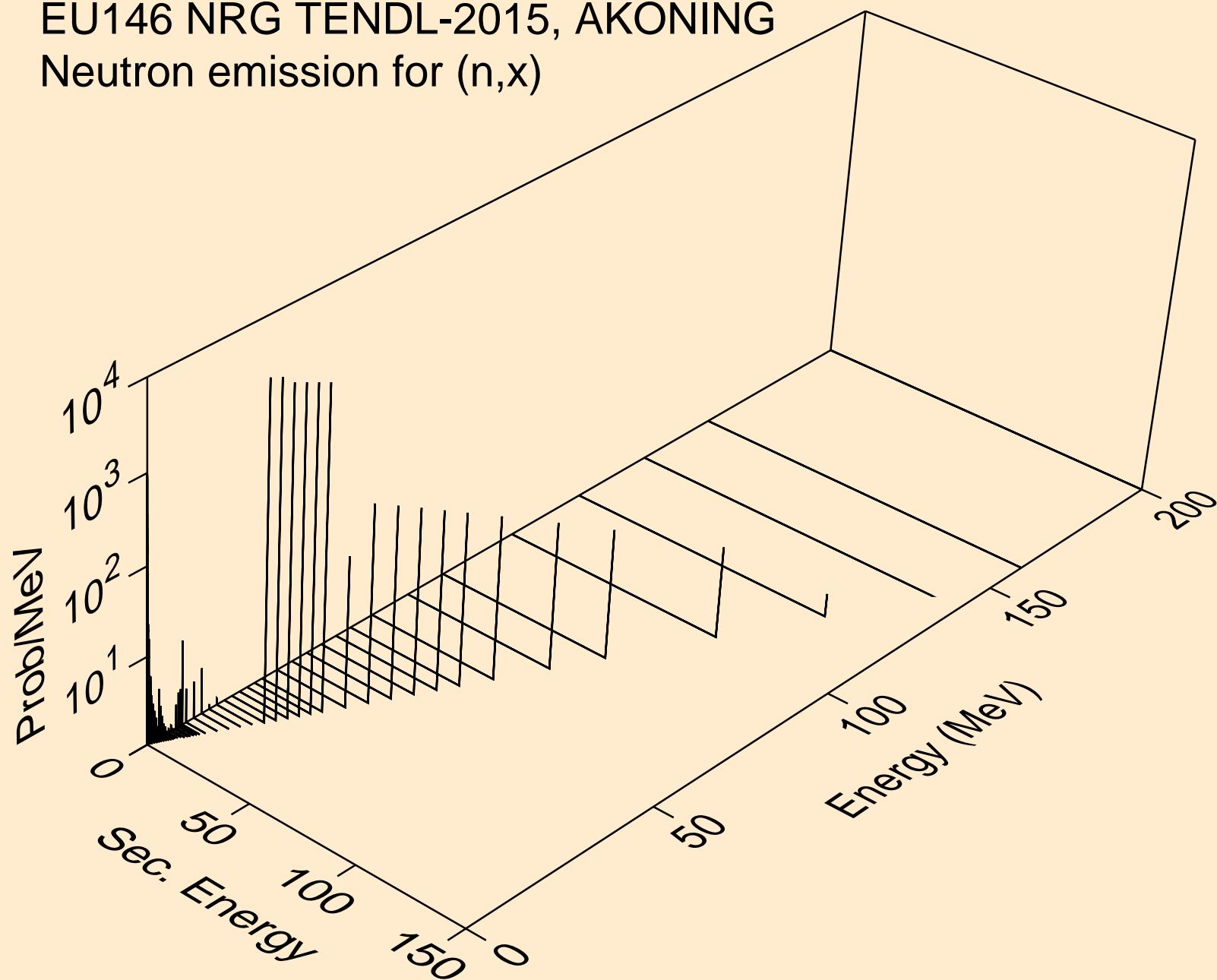
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angular distribution for (n,n\*24)



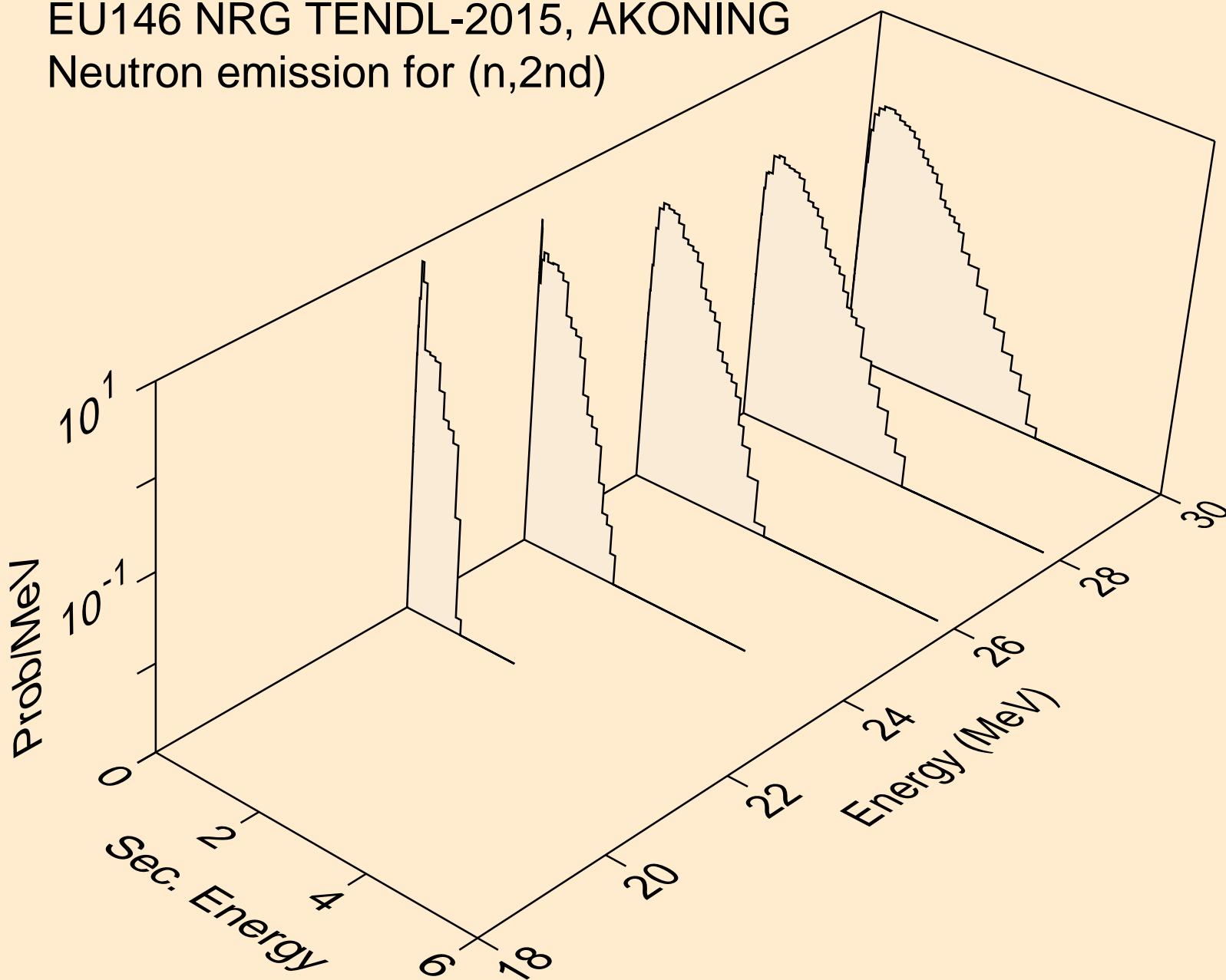
EU146 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



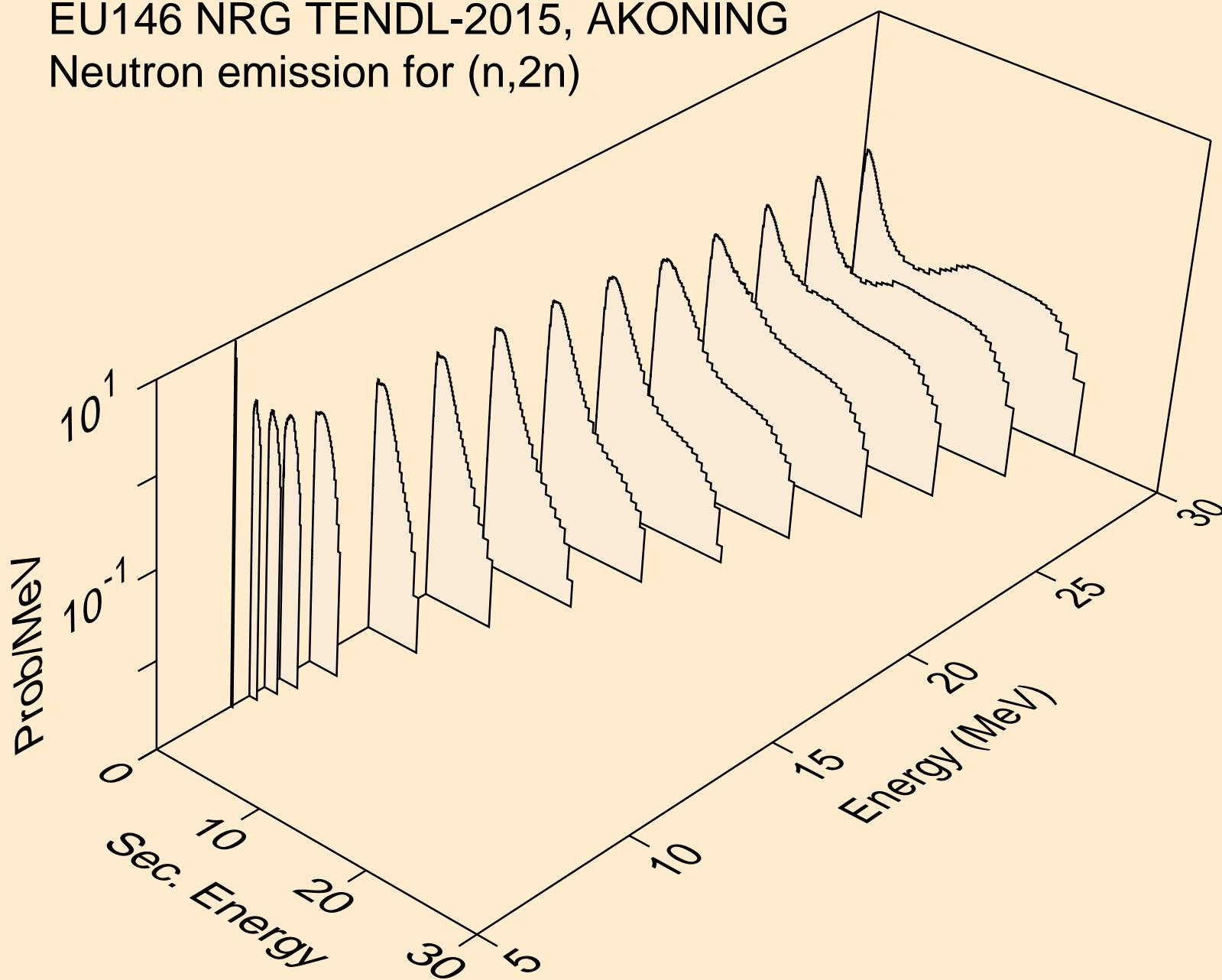
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



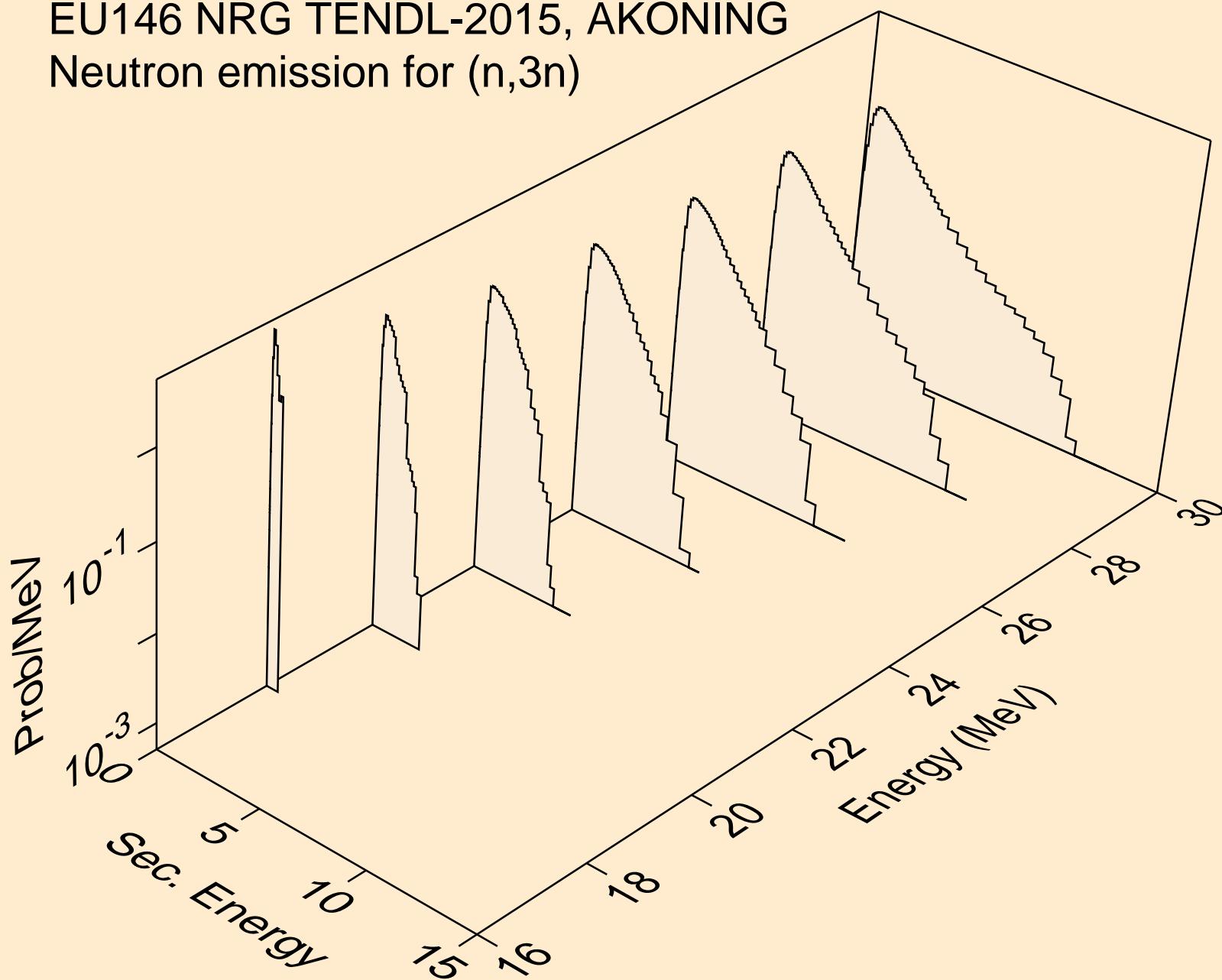
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



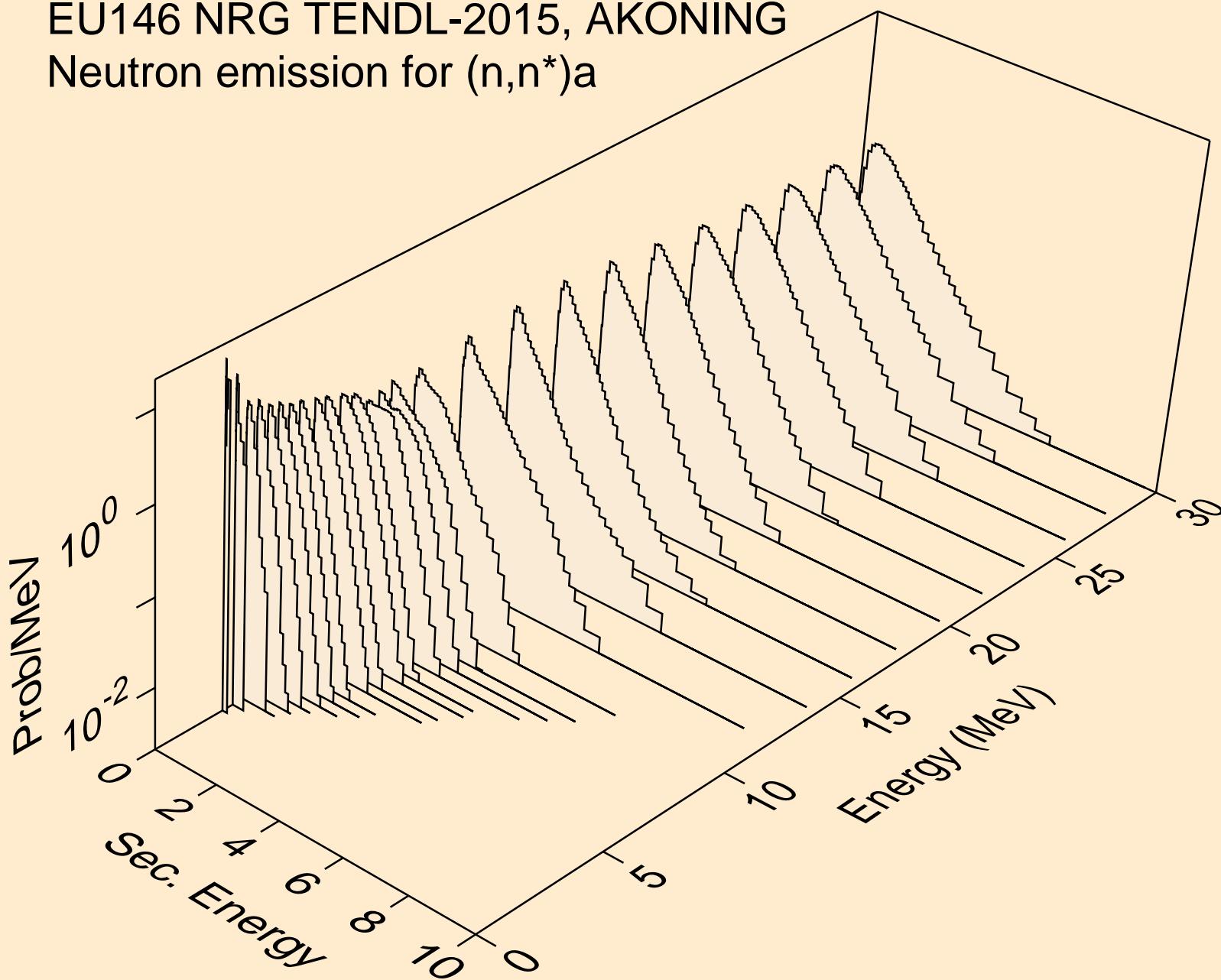
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



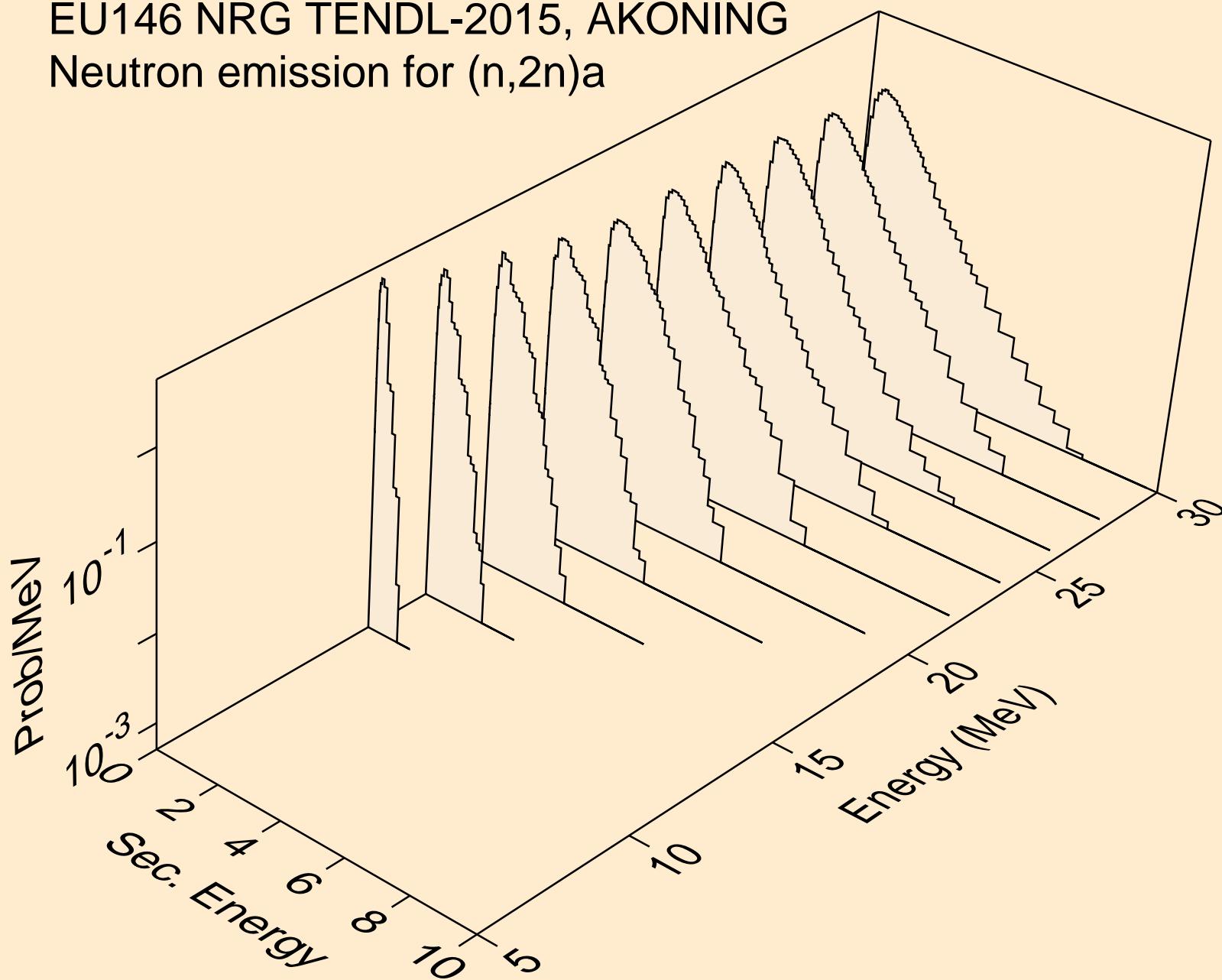
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



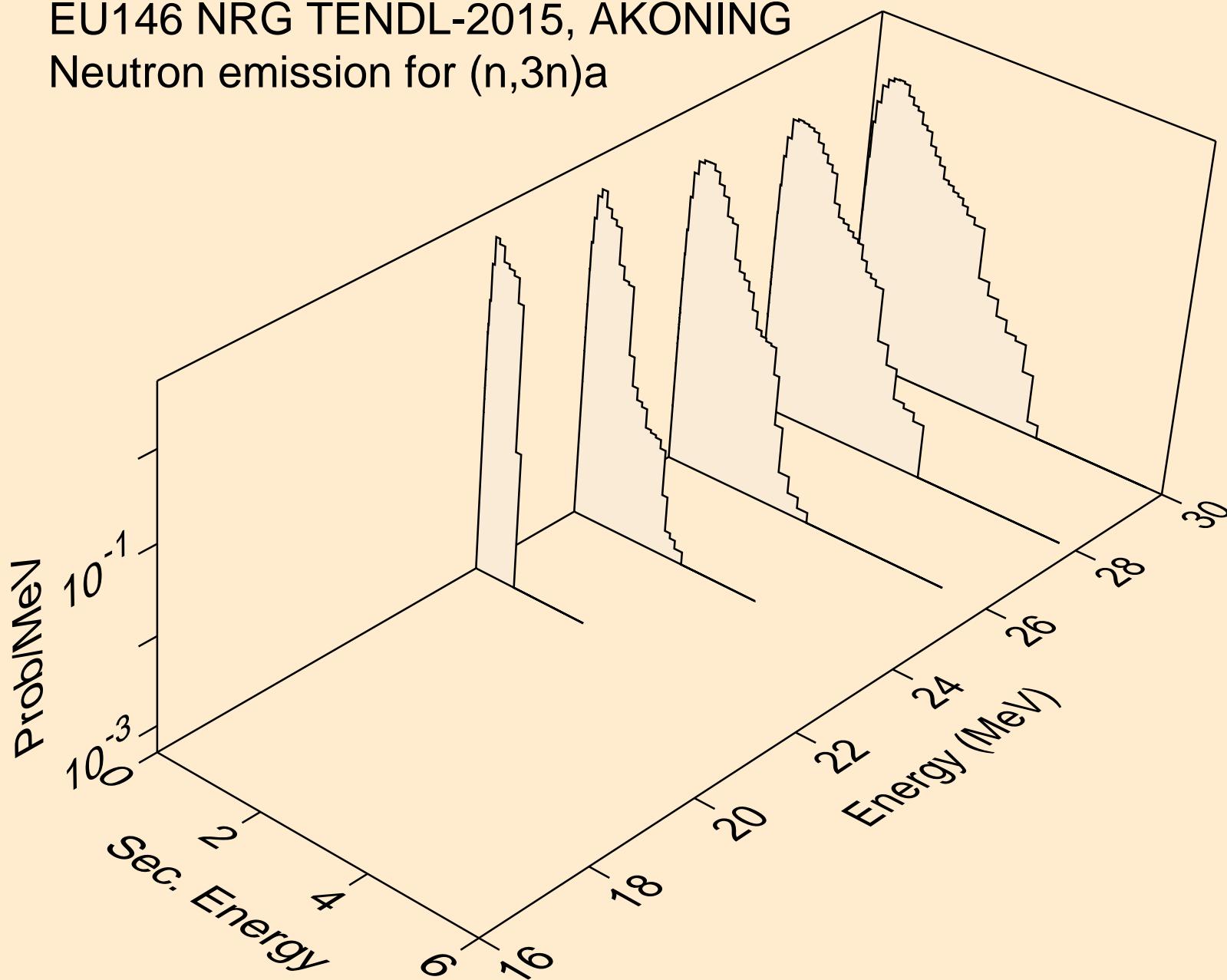
EU146 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



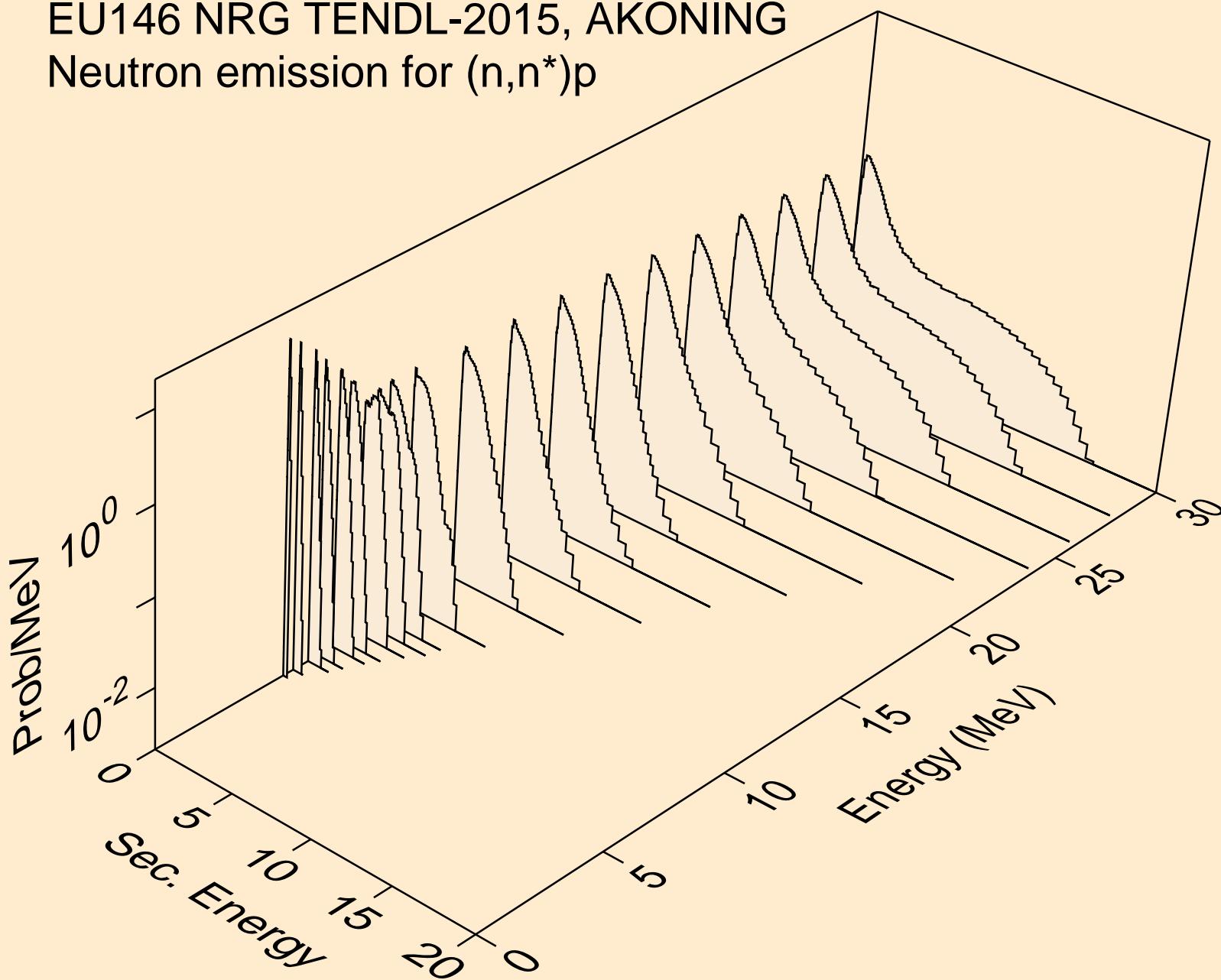
EU146 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



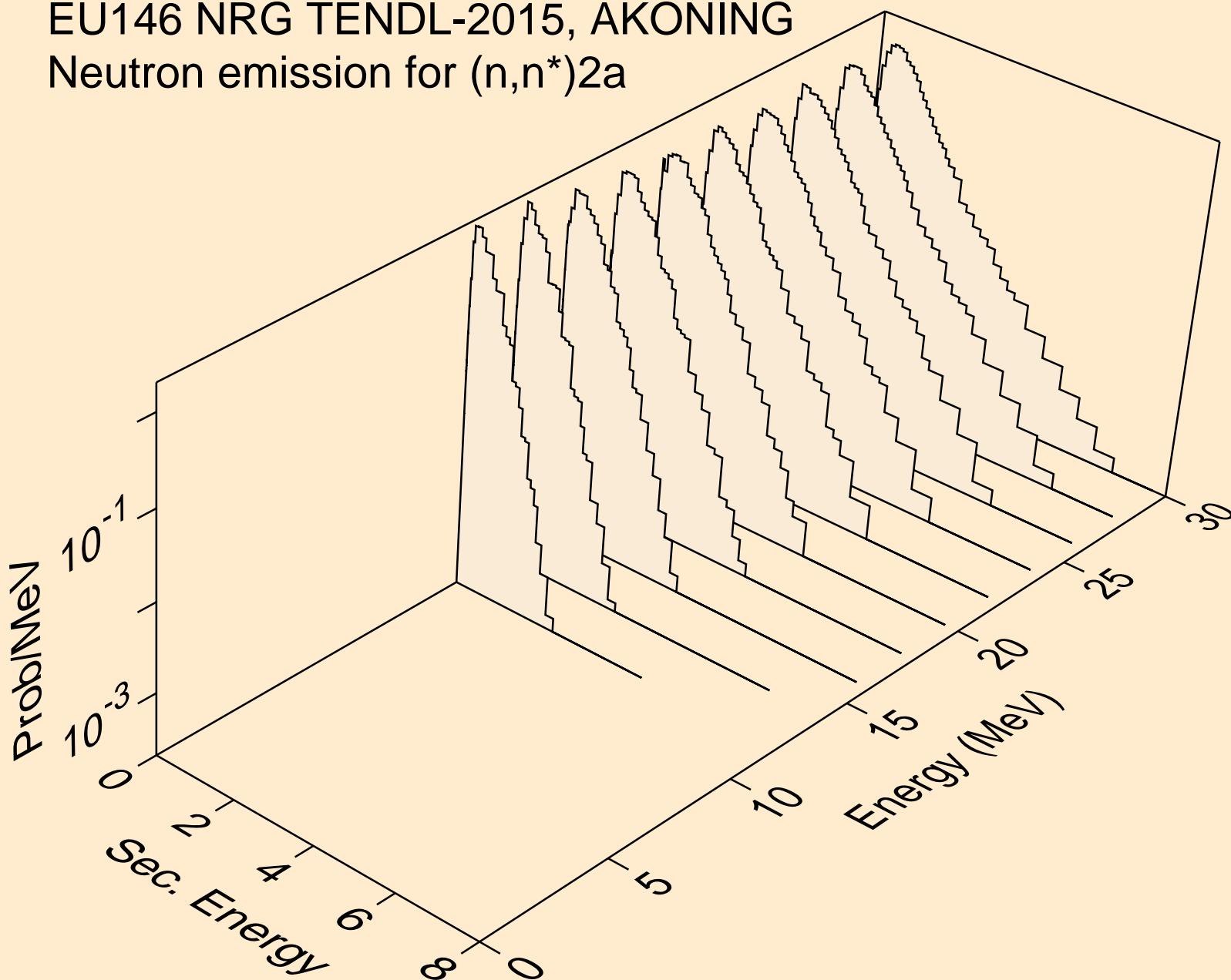
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



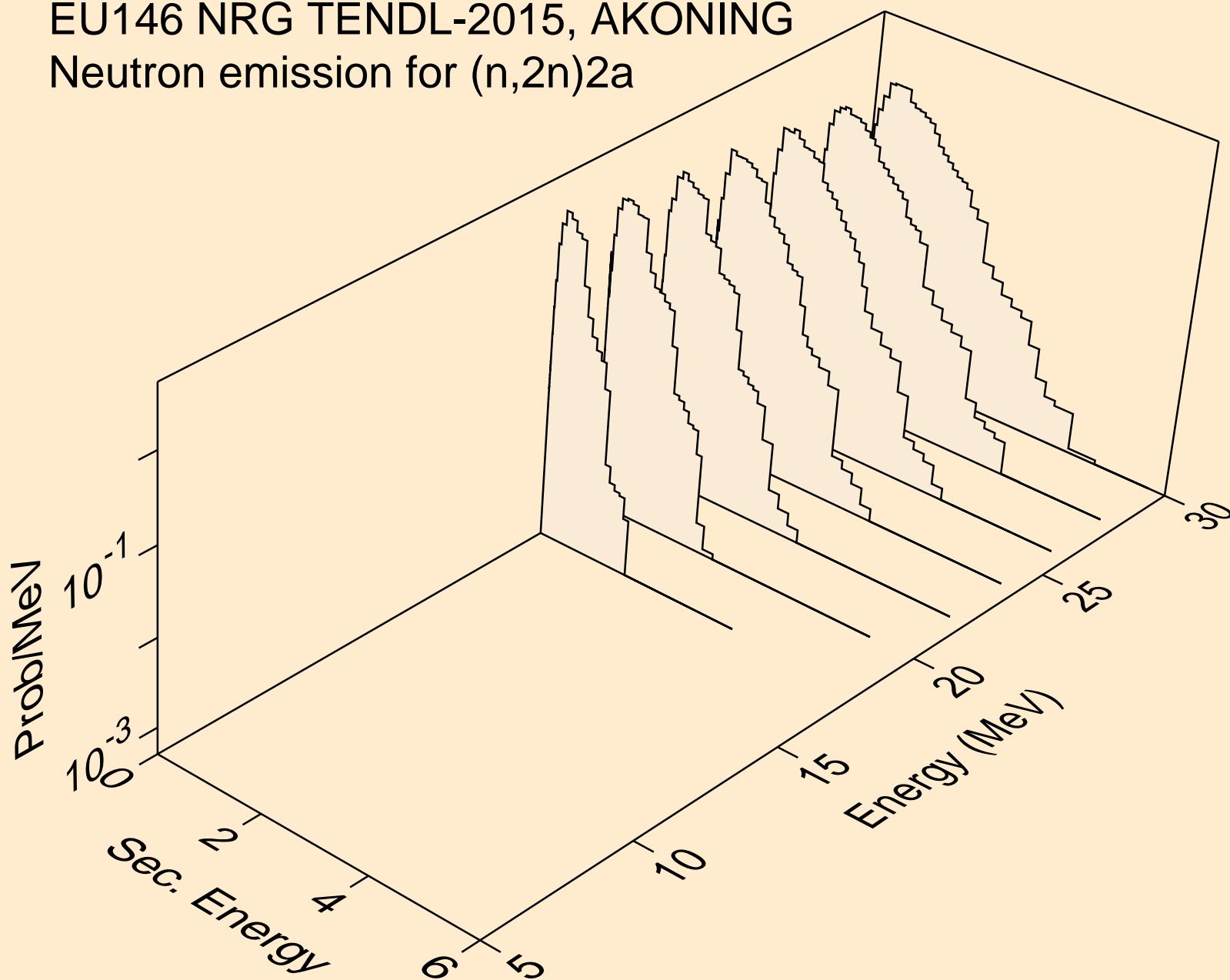
EU146 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



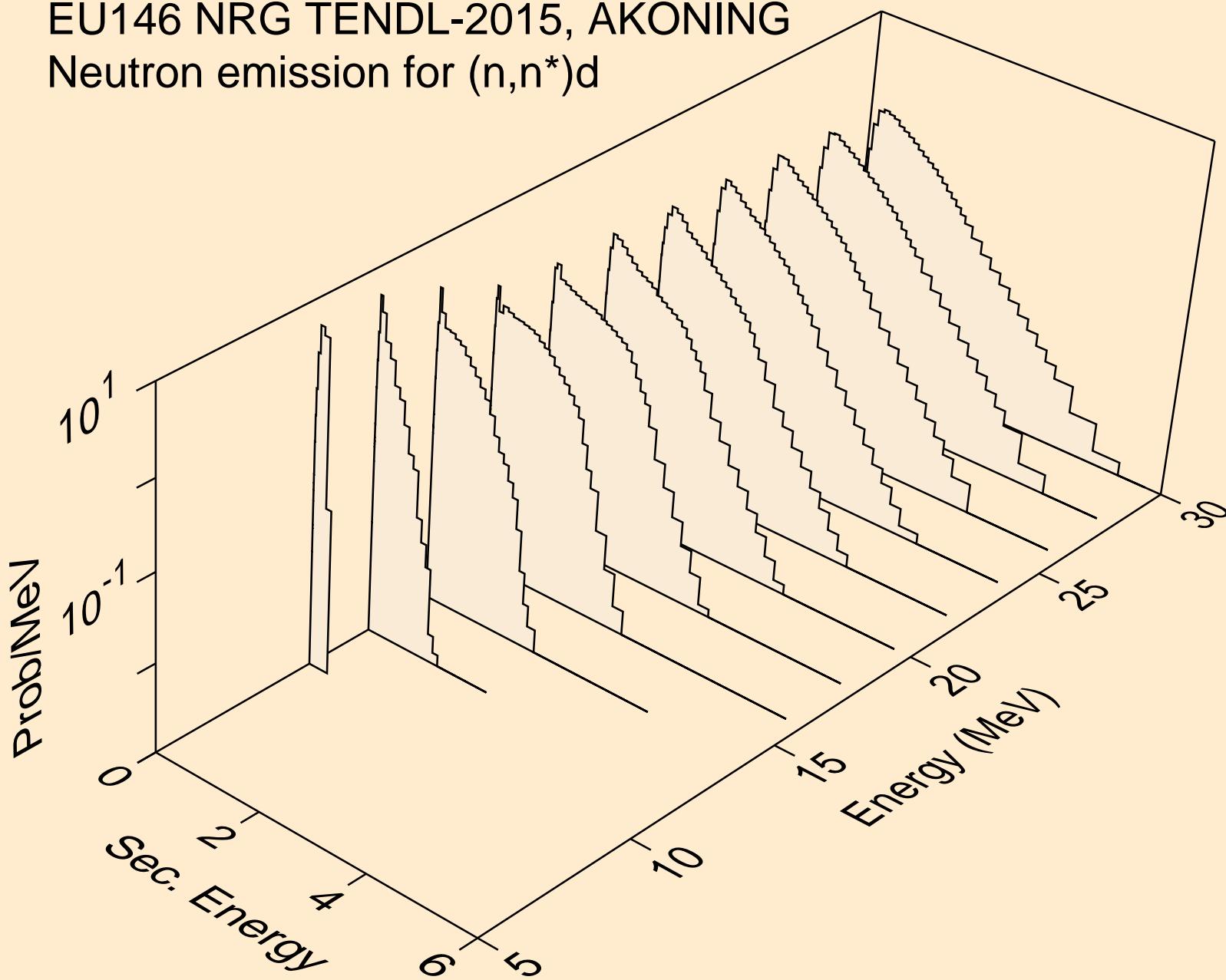
EU146 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



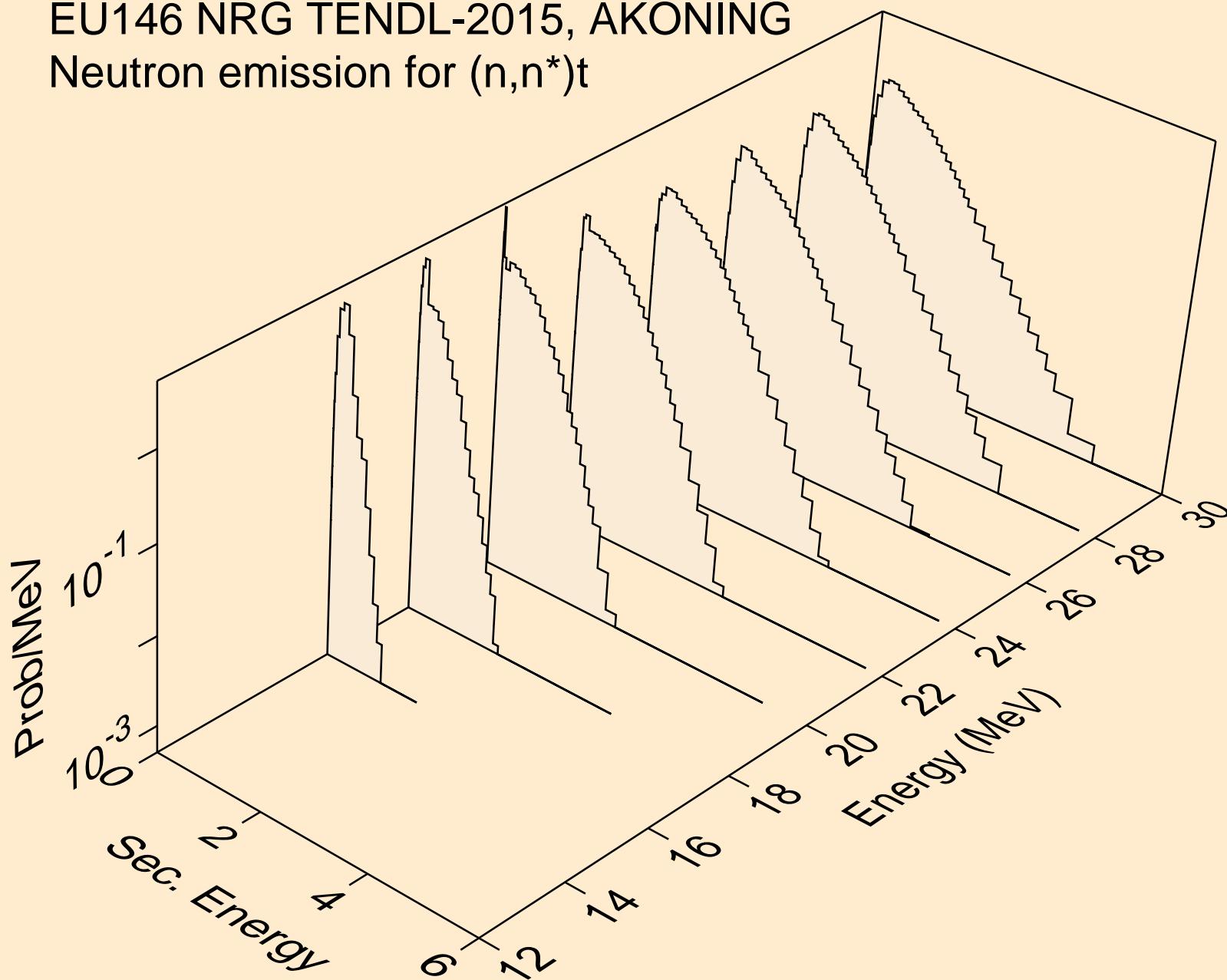
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Neutron emission for  $(n,2n)2a$



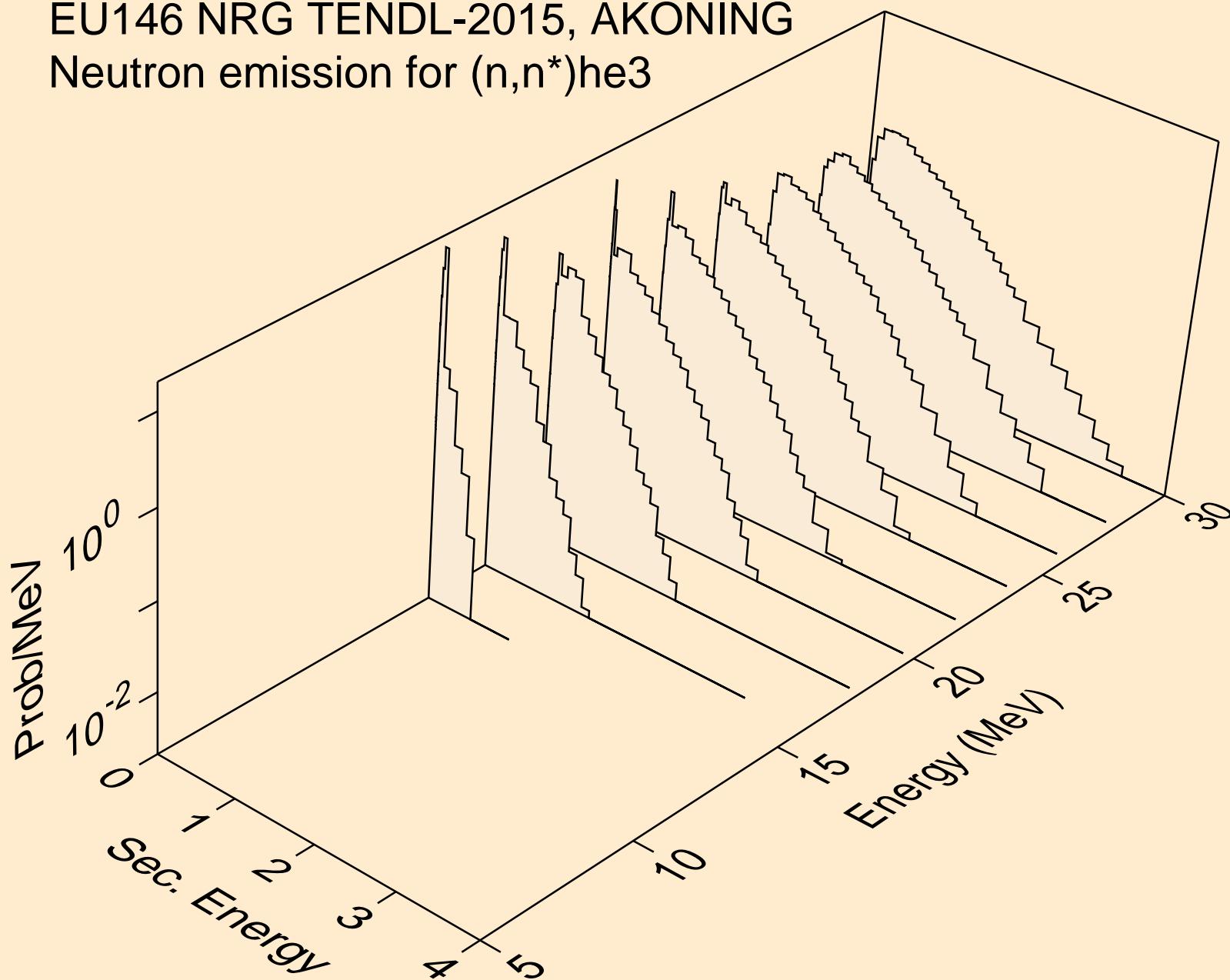
EU146 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



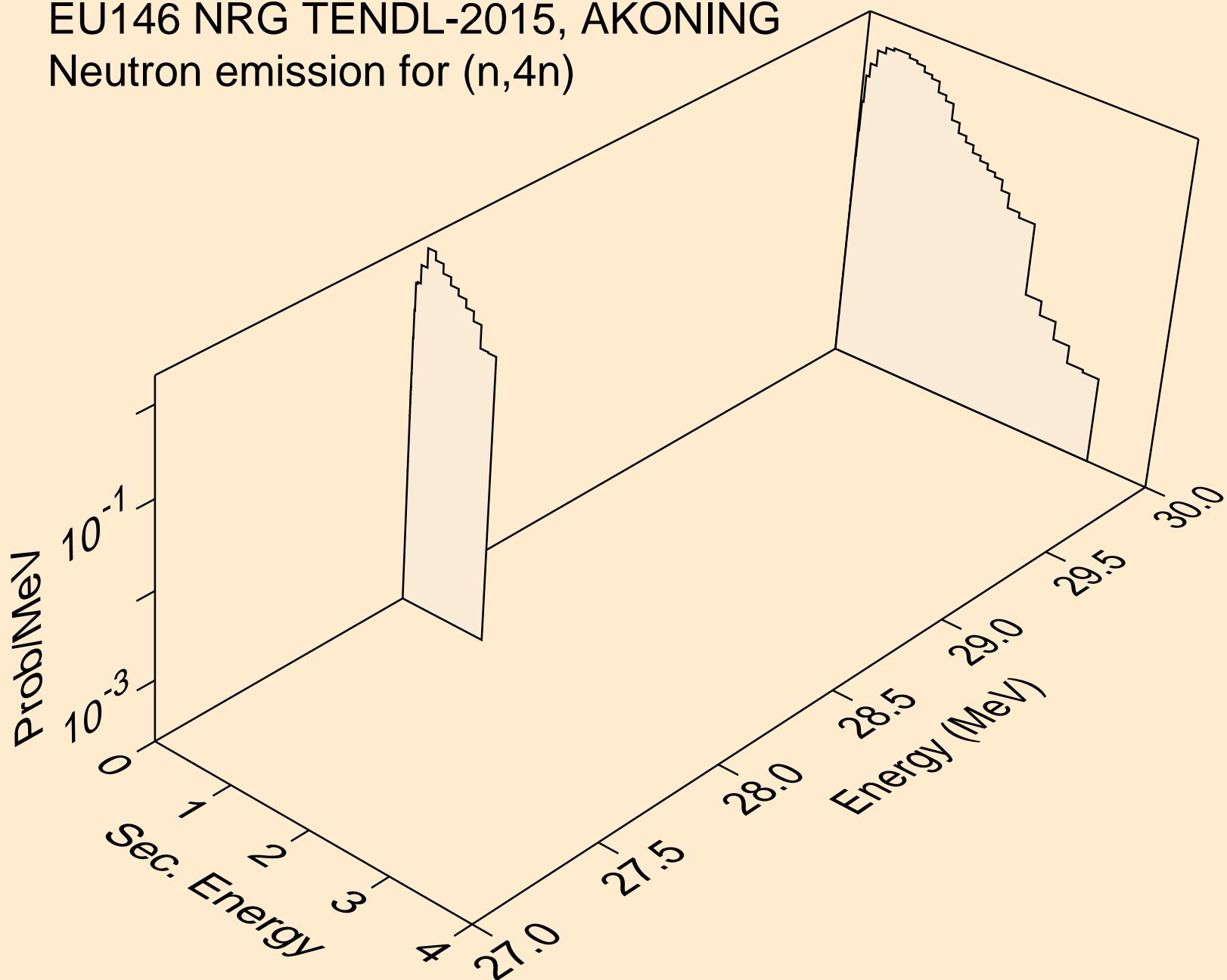
EU146 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



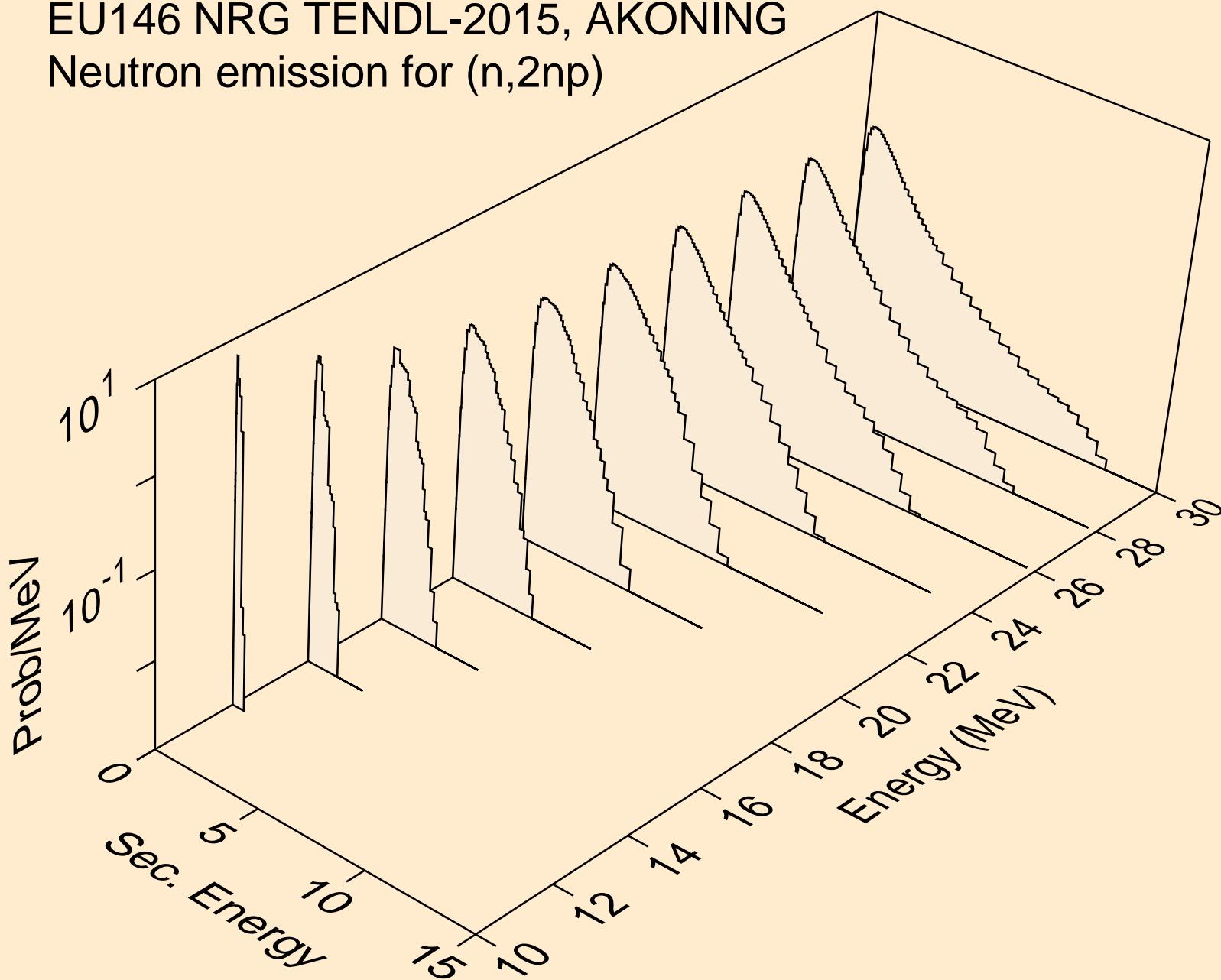
EU146 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



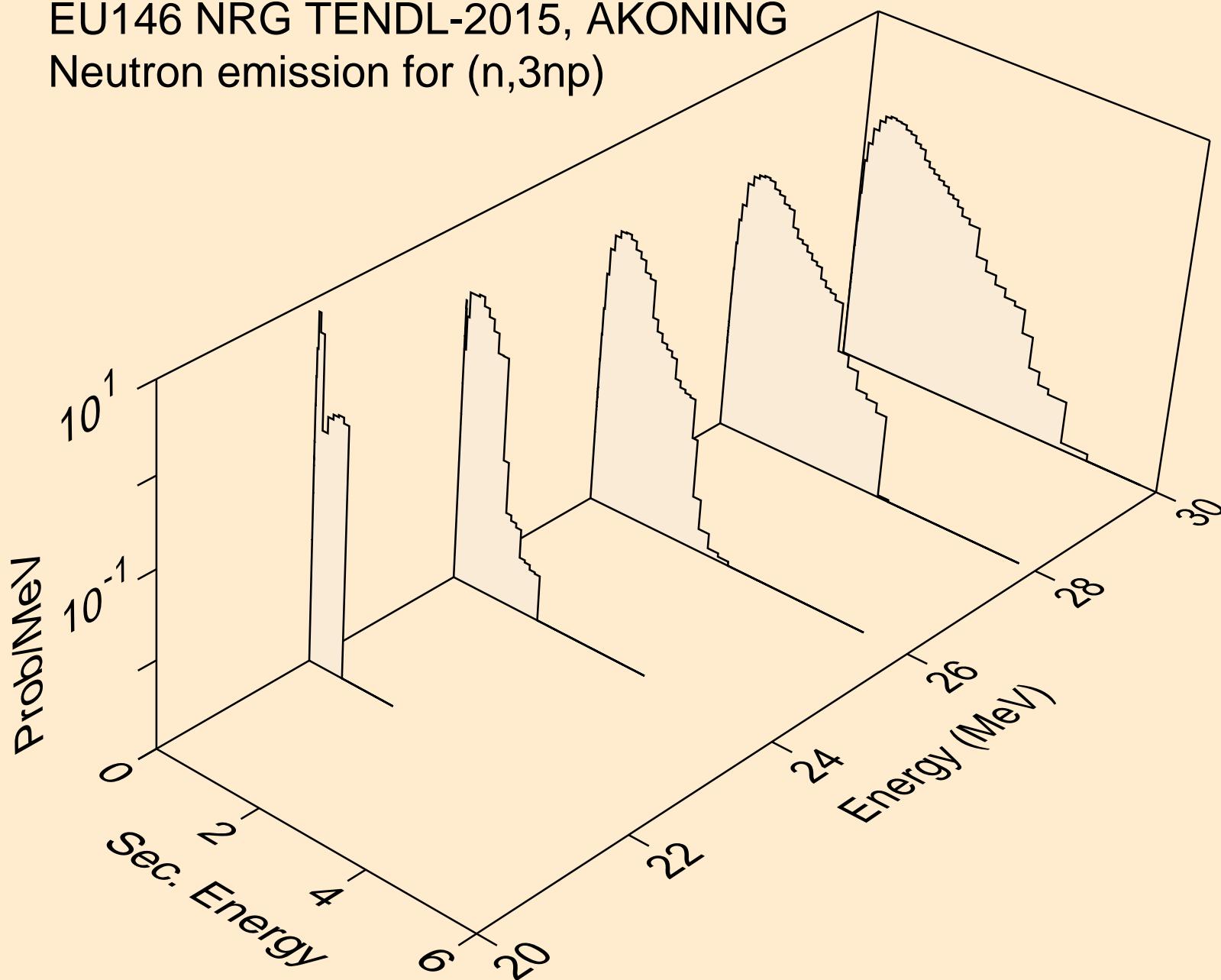
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



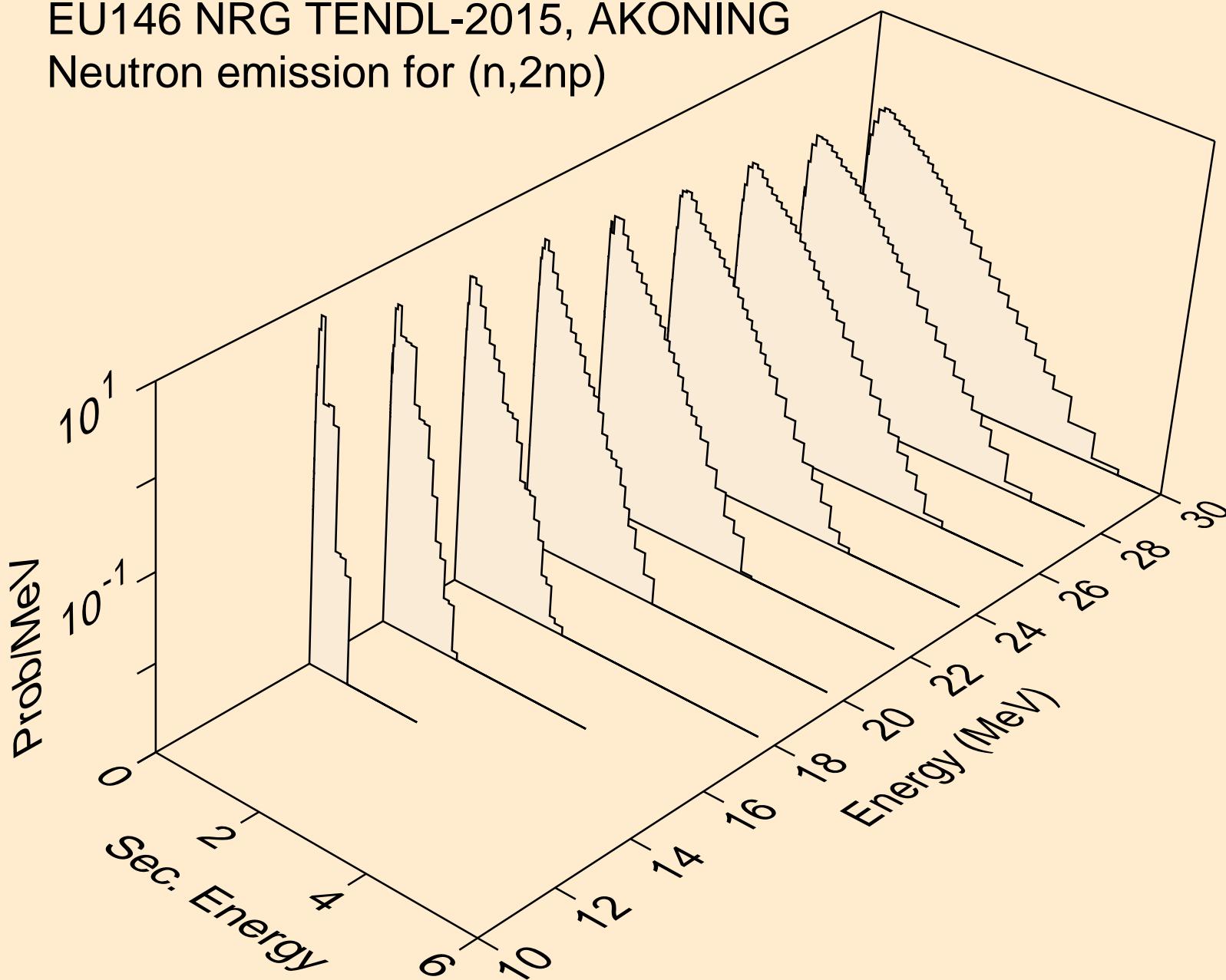
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



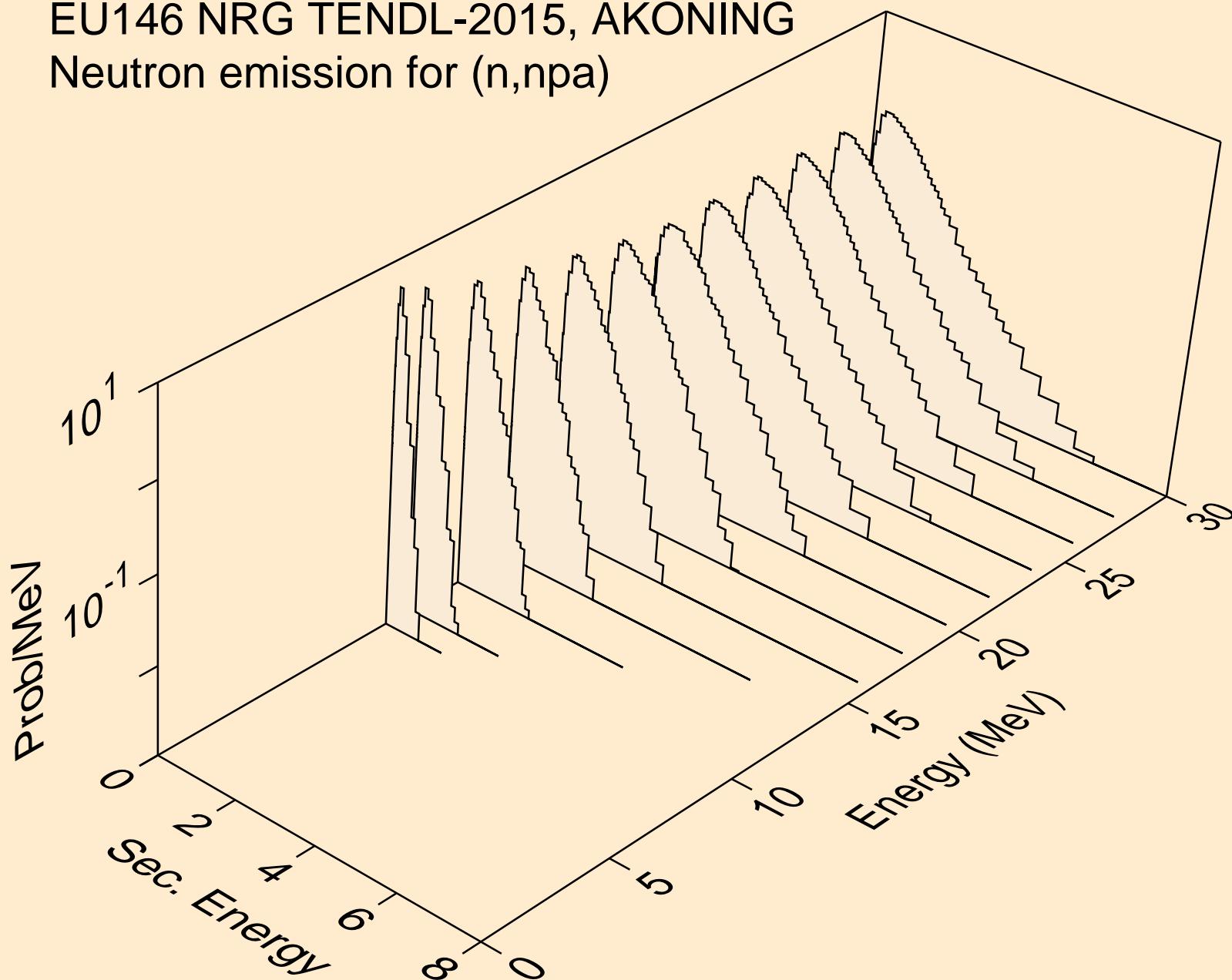
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



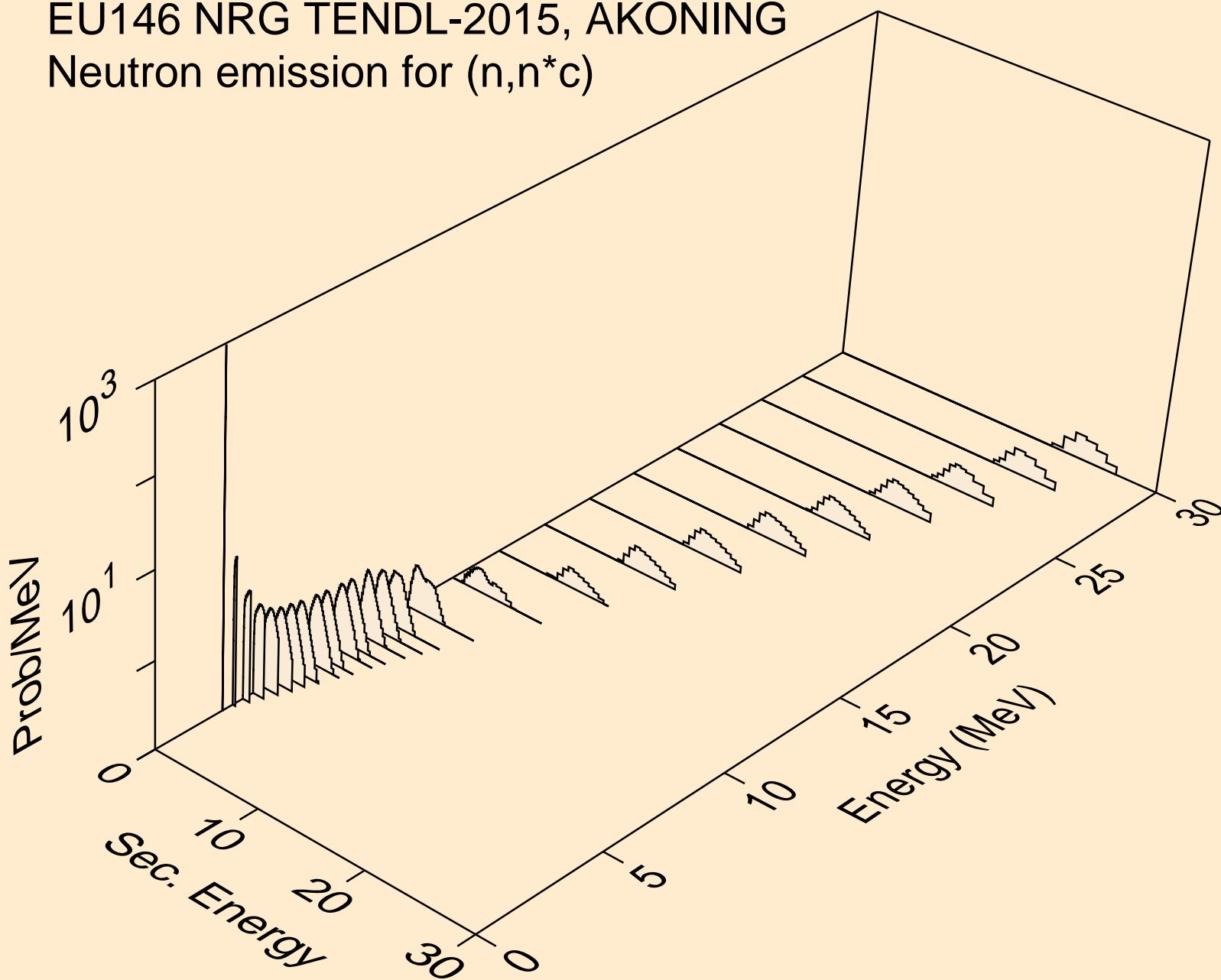
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



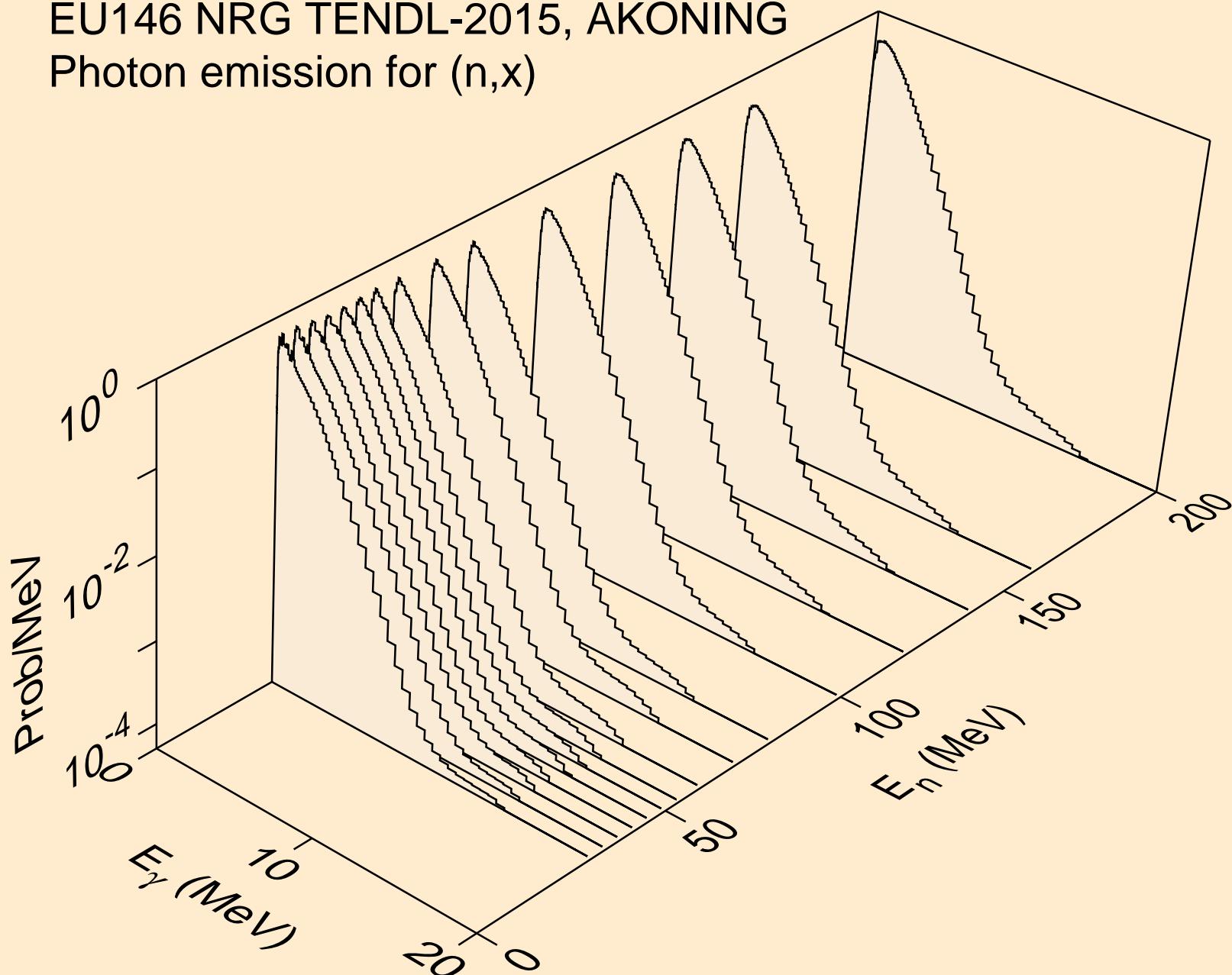
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



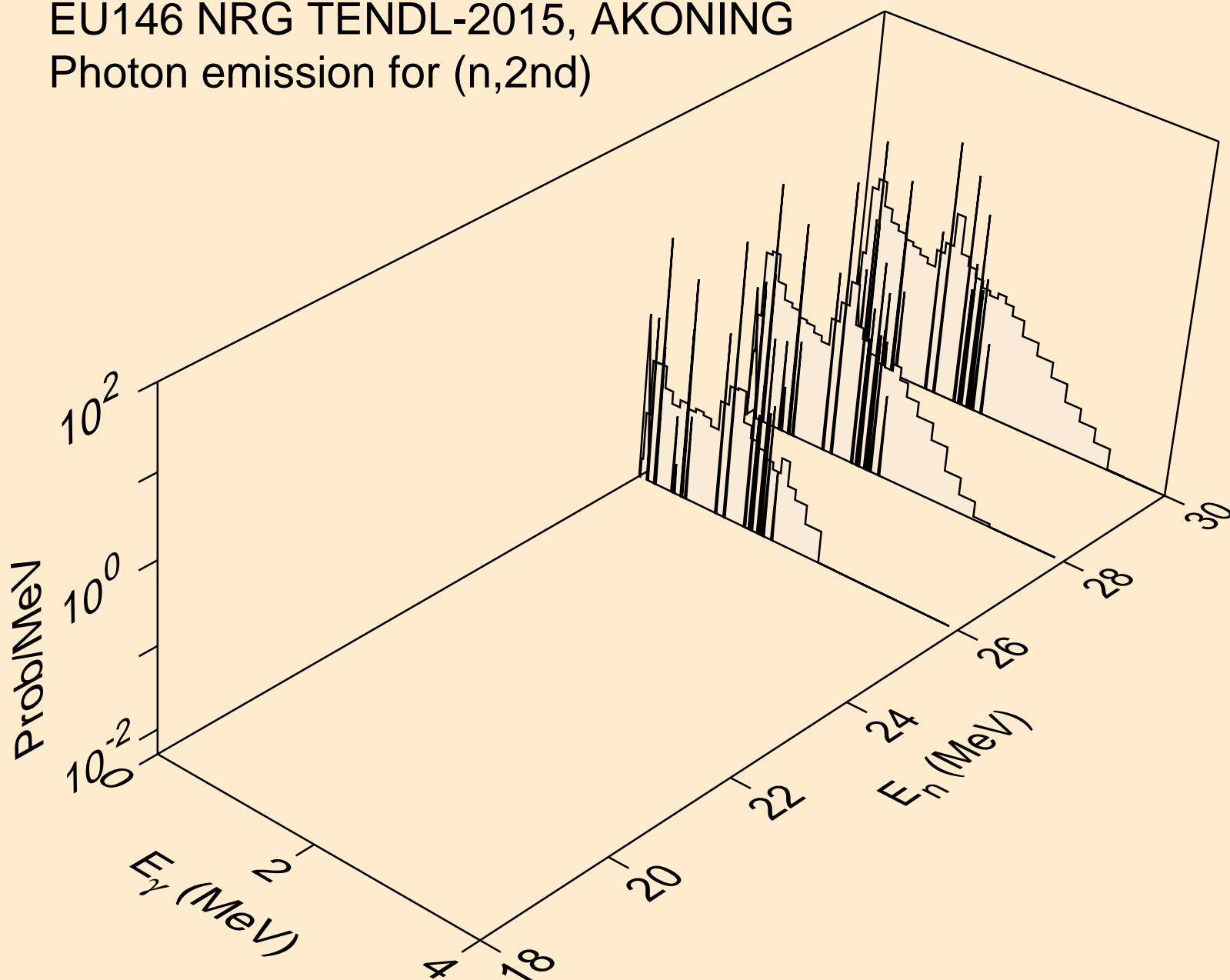
EU146 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



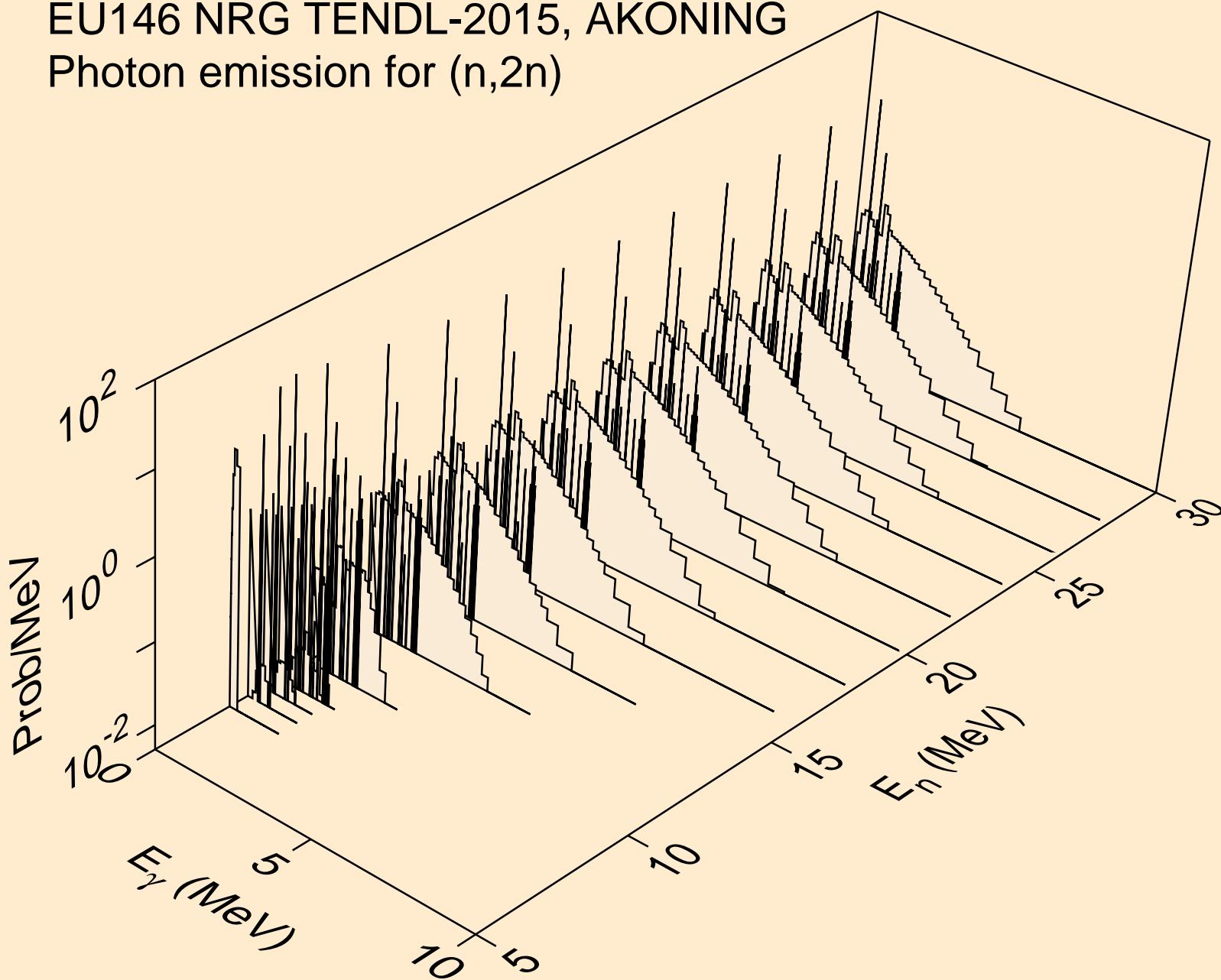
EU146 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



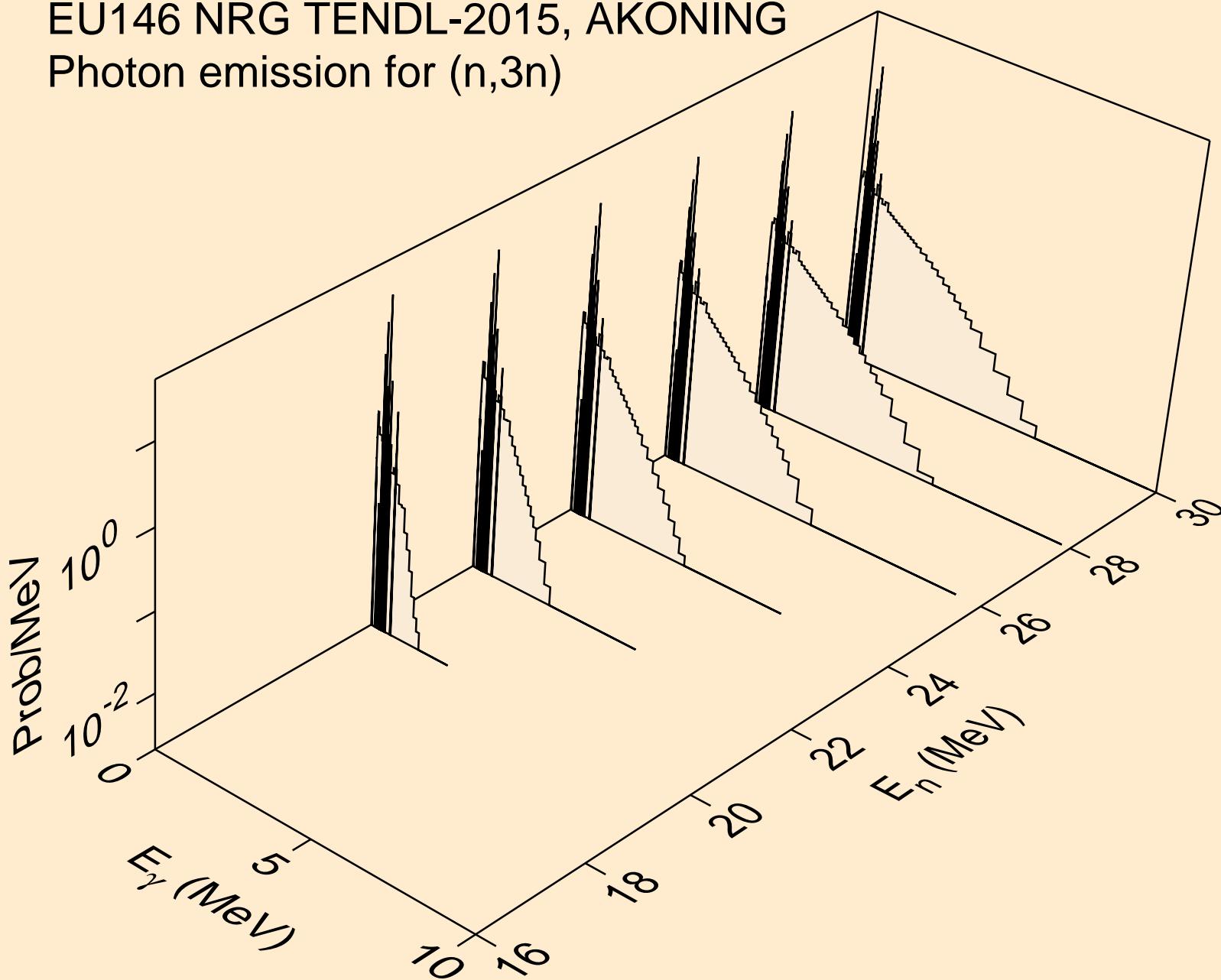
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Photon emission for (n,2nd)



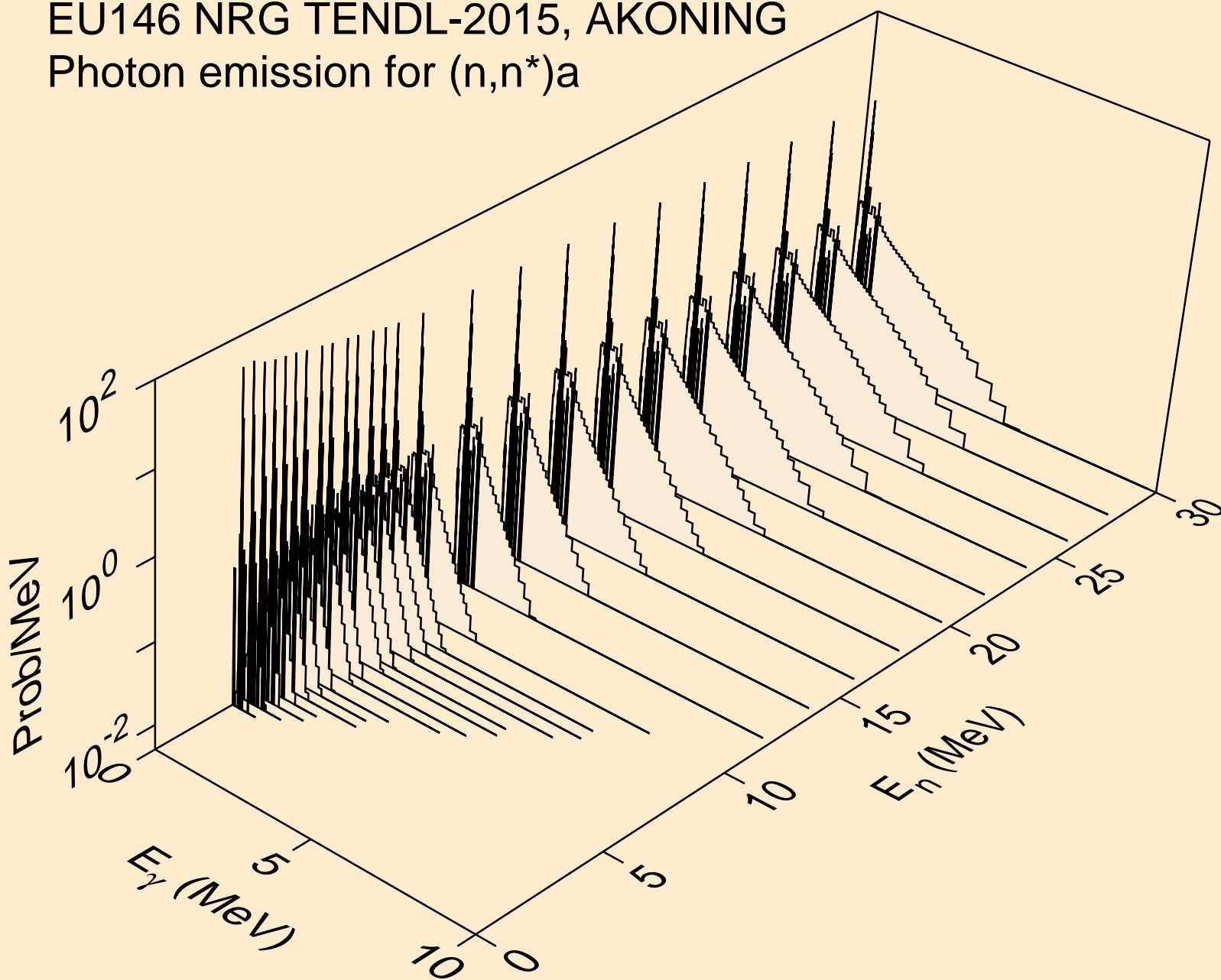
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Photon emission for (n,2n)



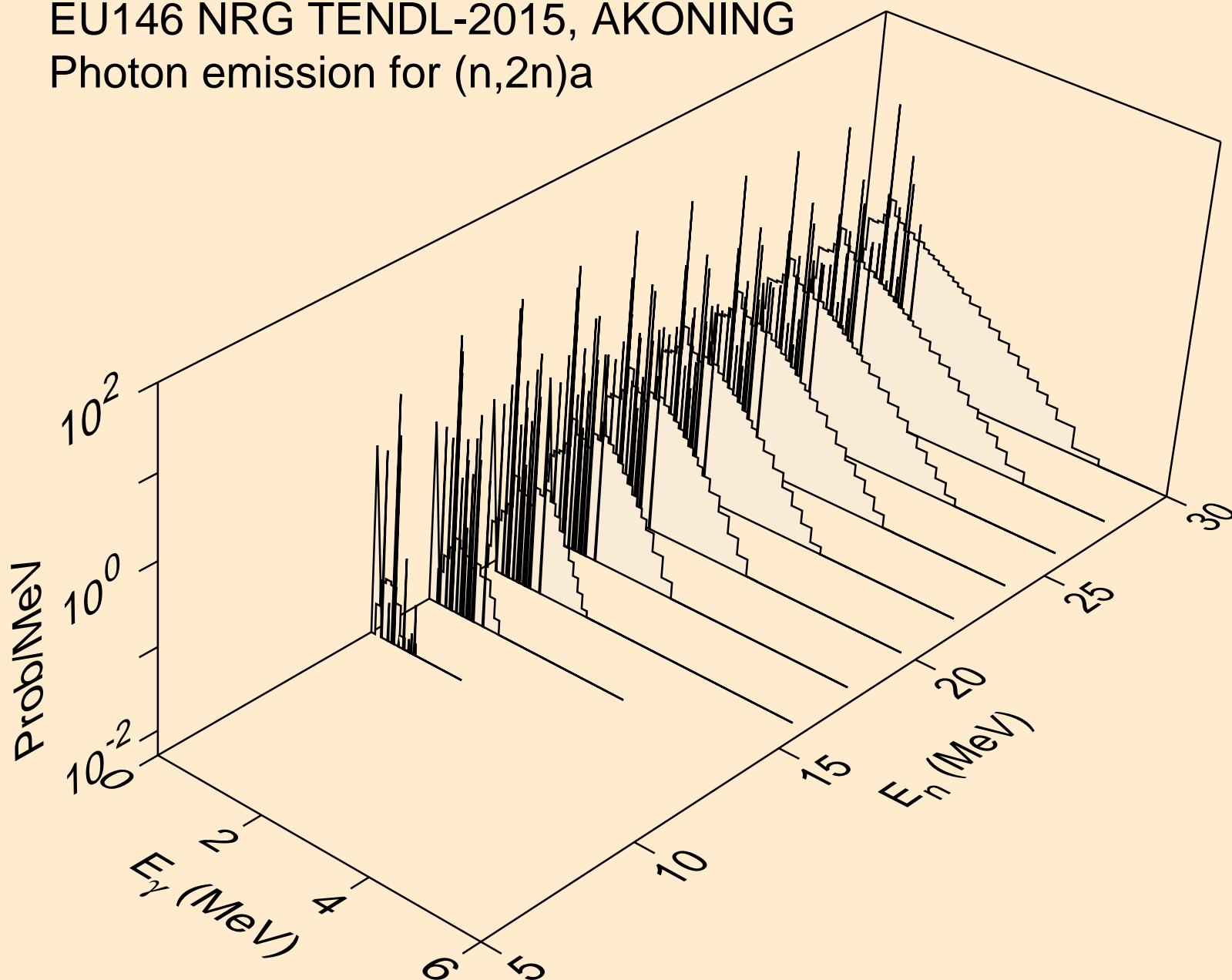
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Photon emission for (n,3n)



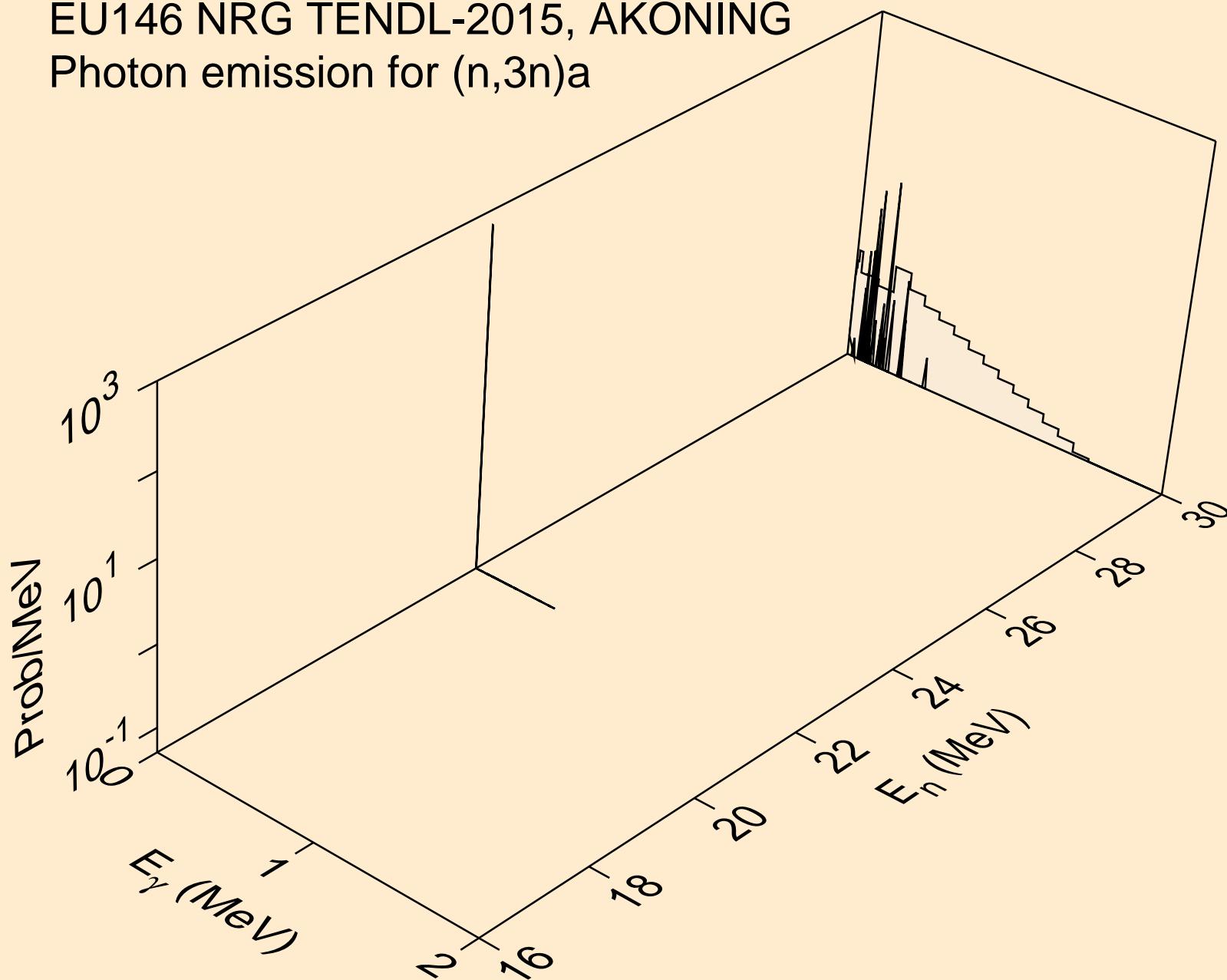
EU146 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



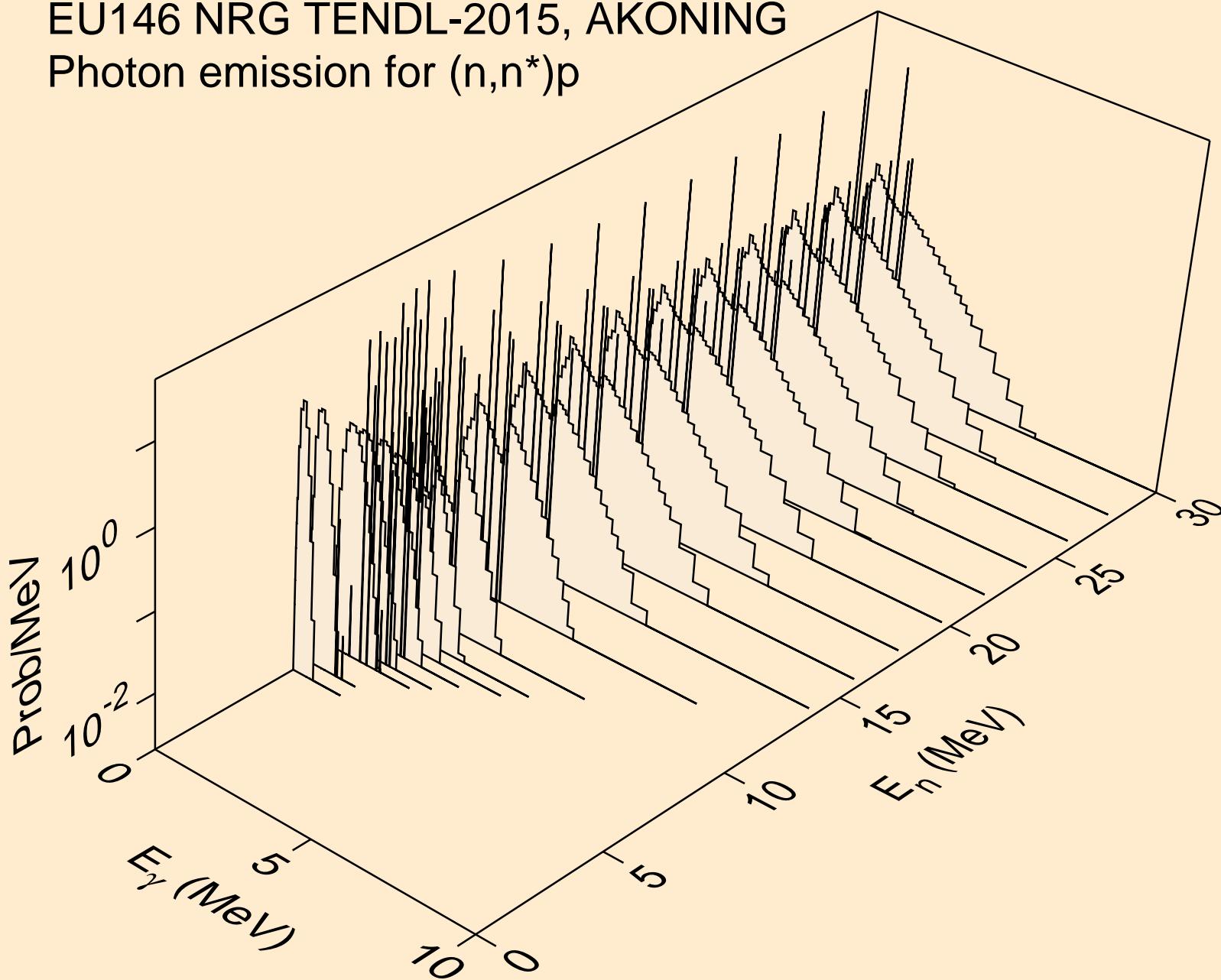
EU146 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



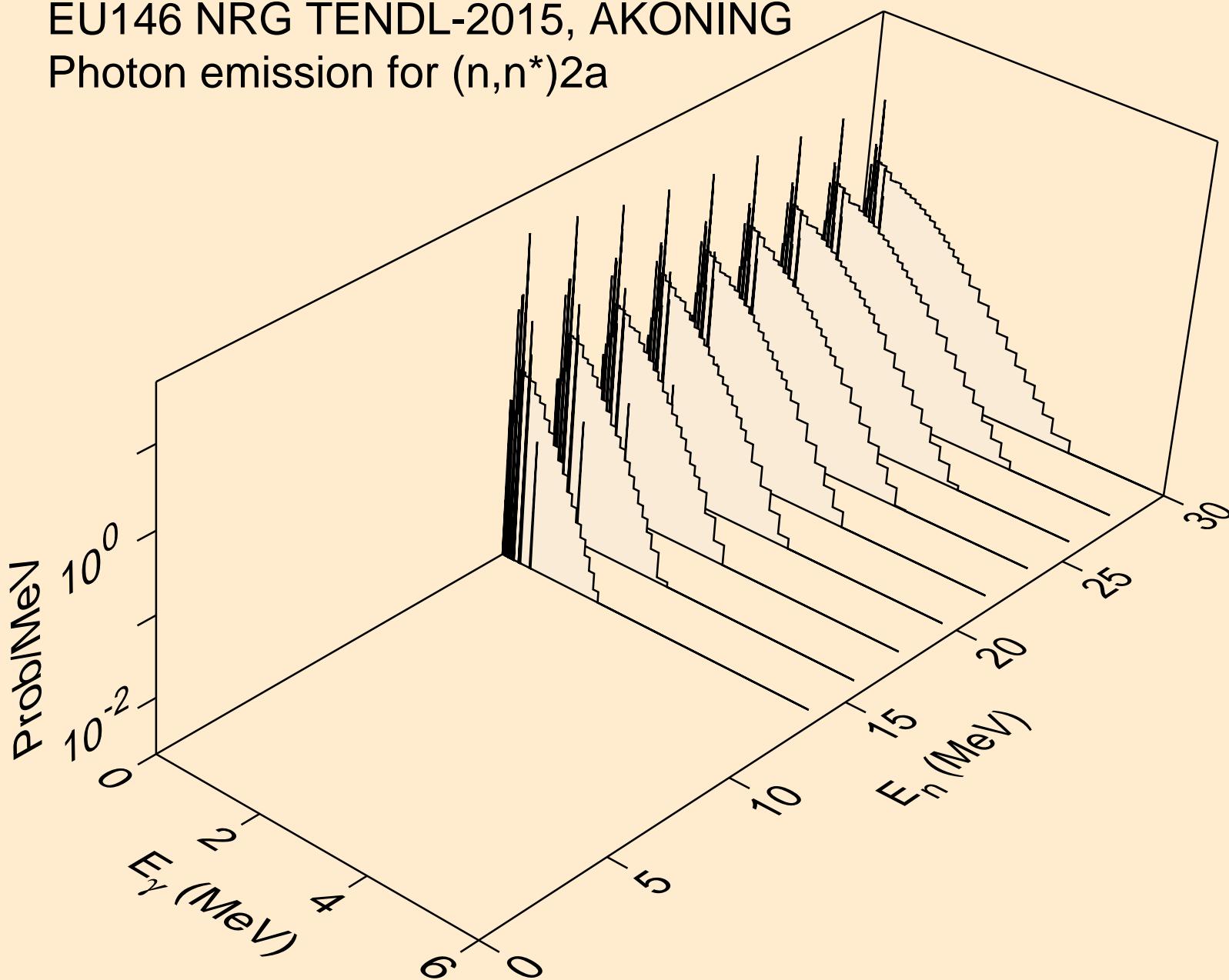
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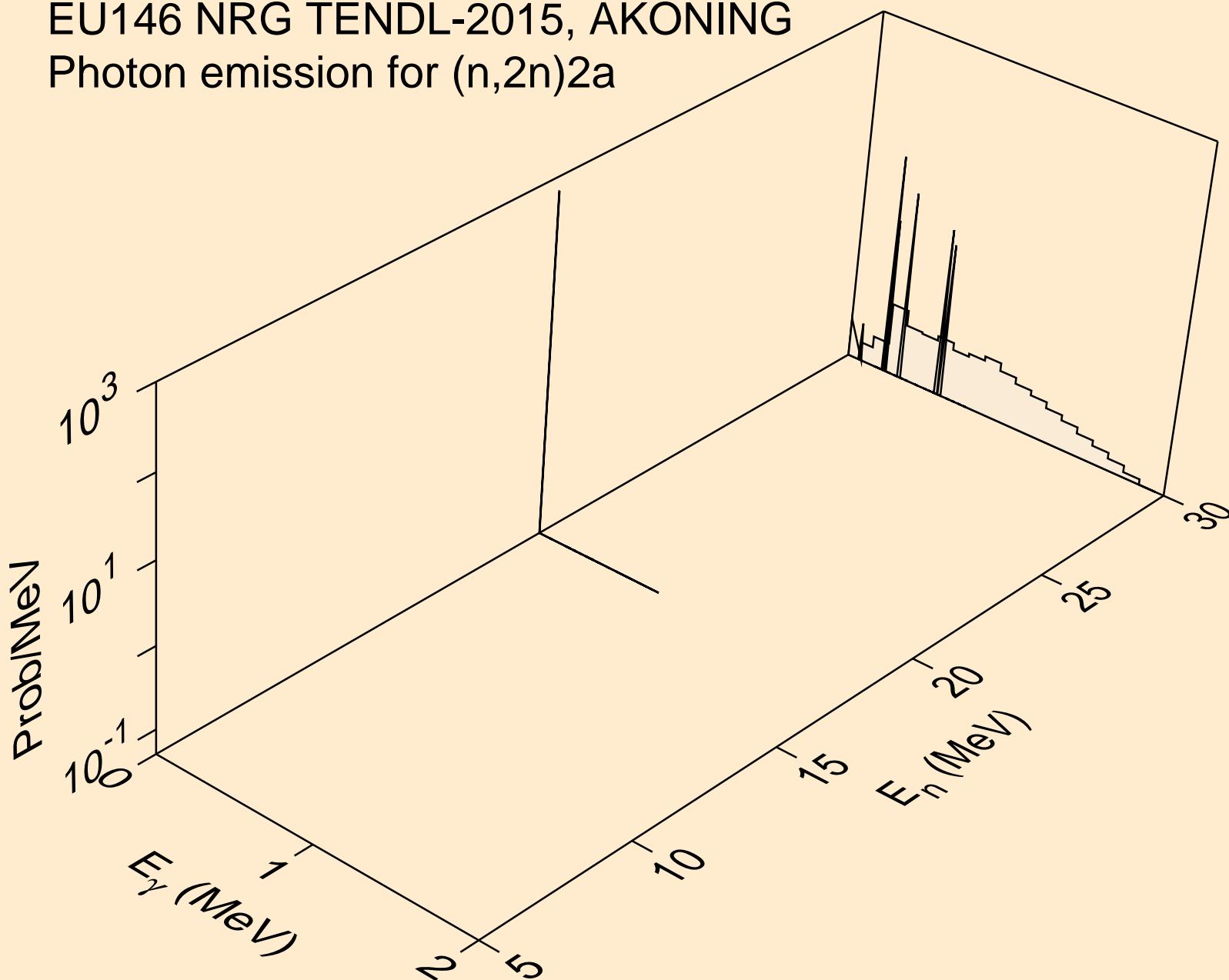
EU146 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



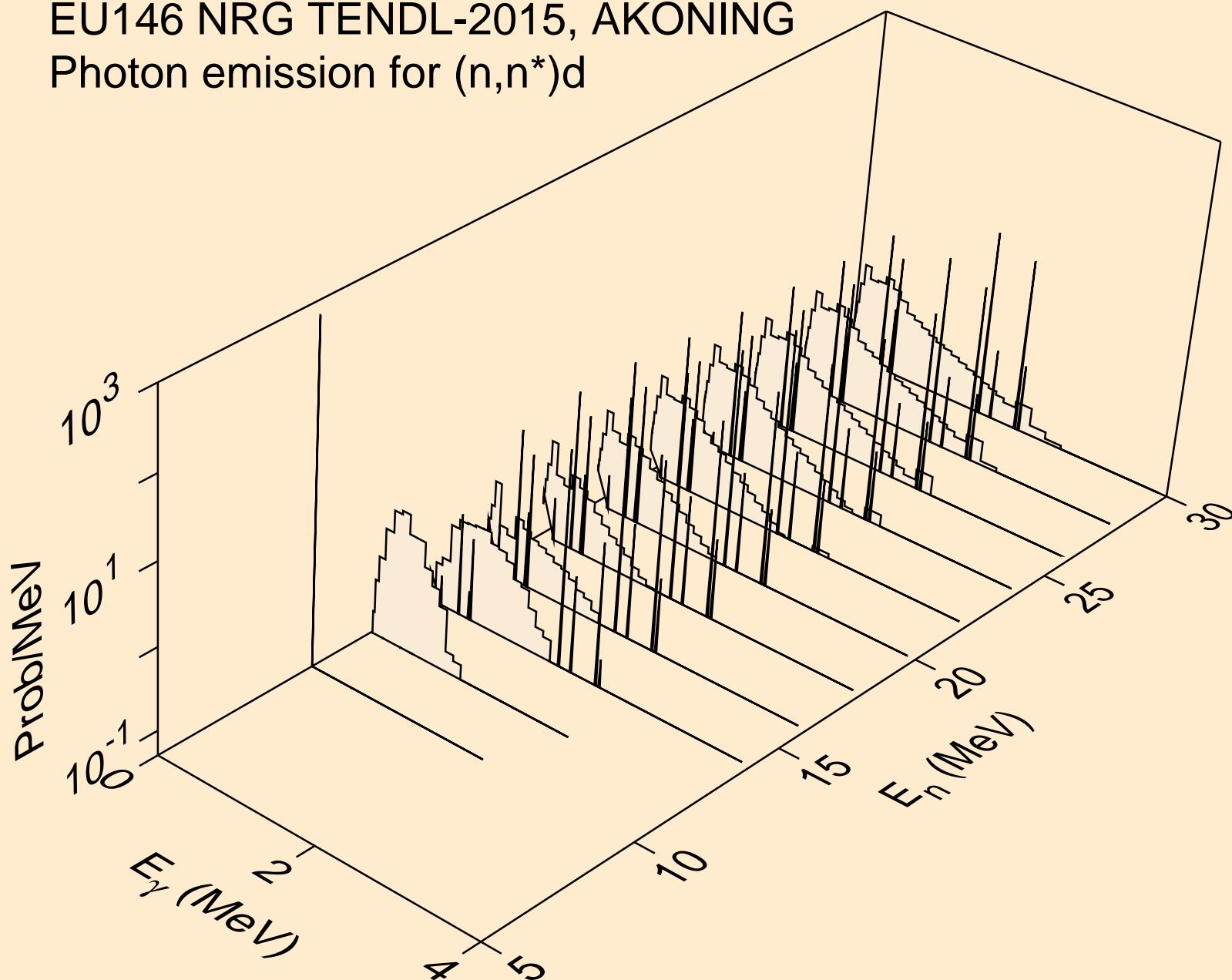
EU146 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



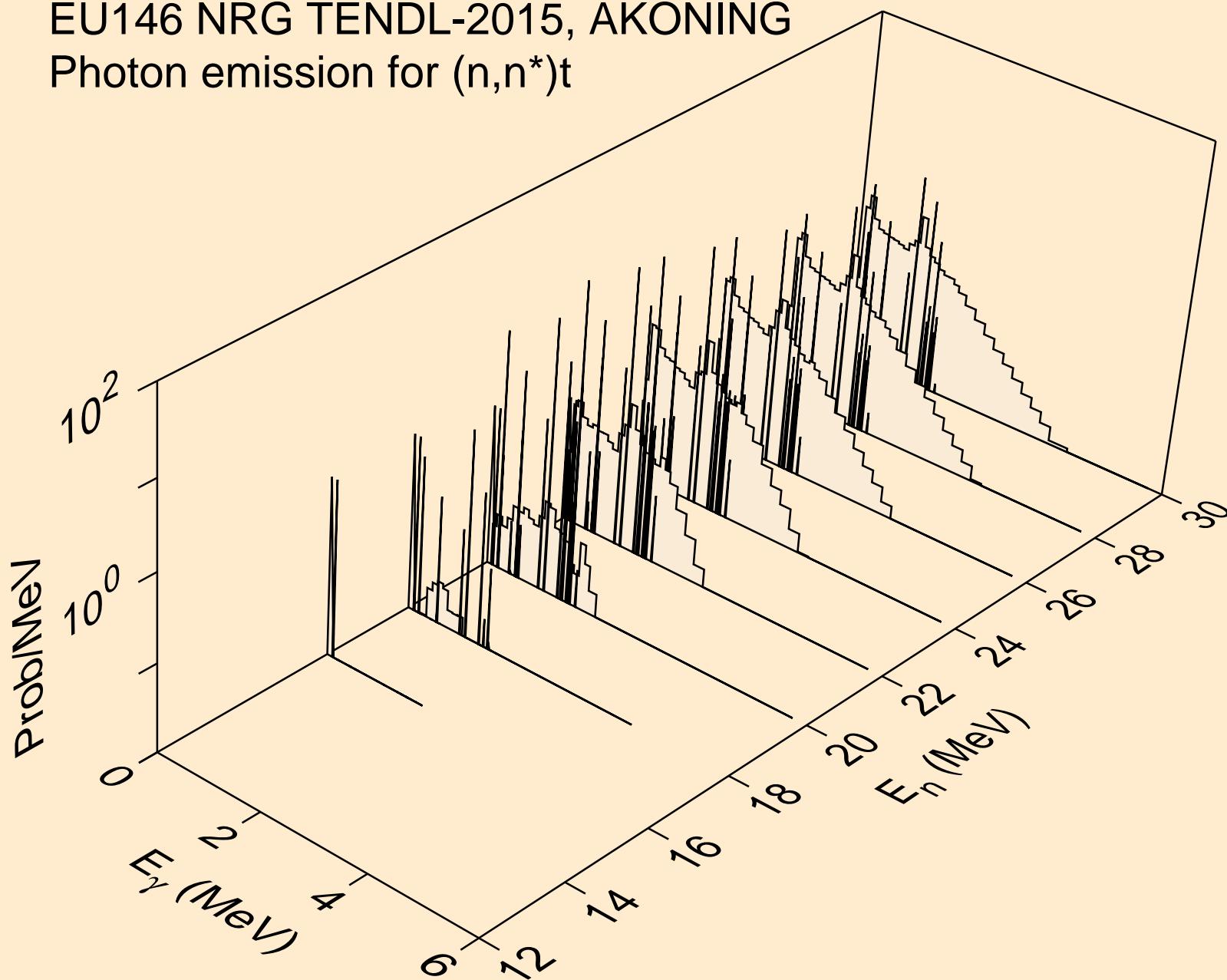
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Photon emission for (n,2n)2a



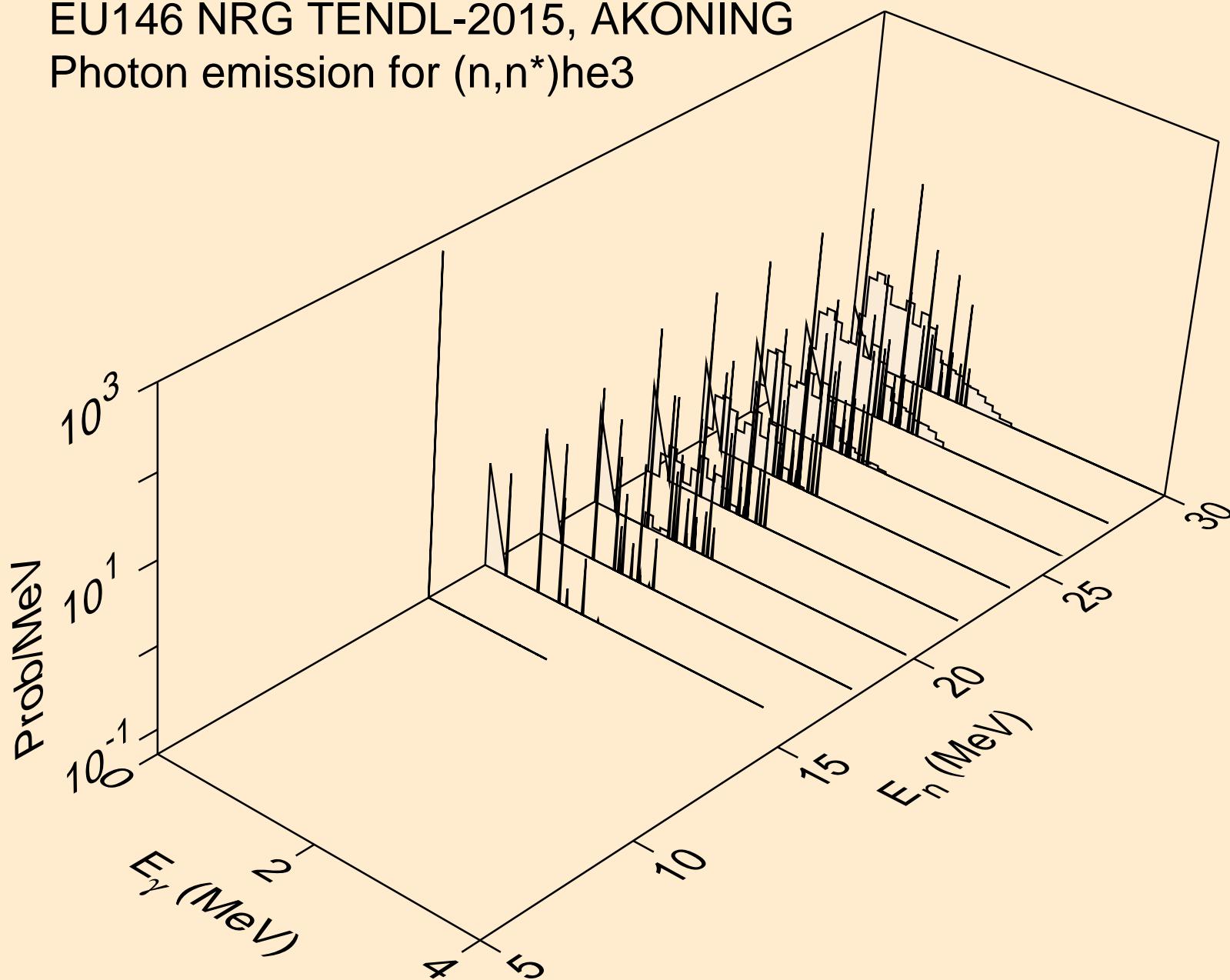
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Photon emission for  $(n,n^*)d$



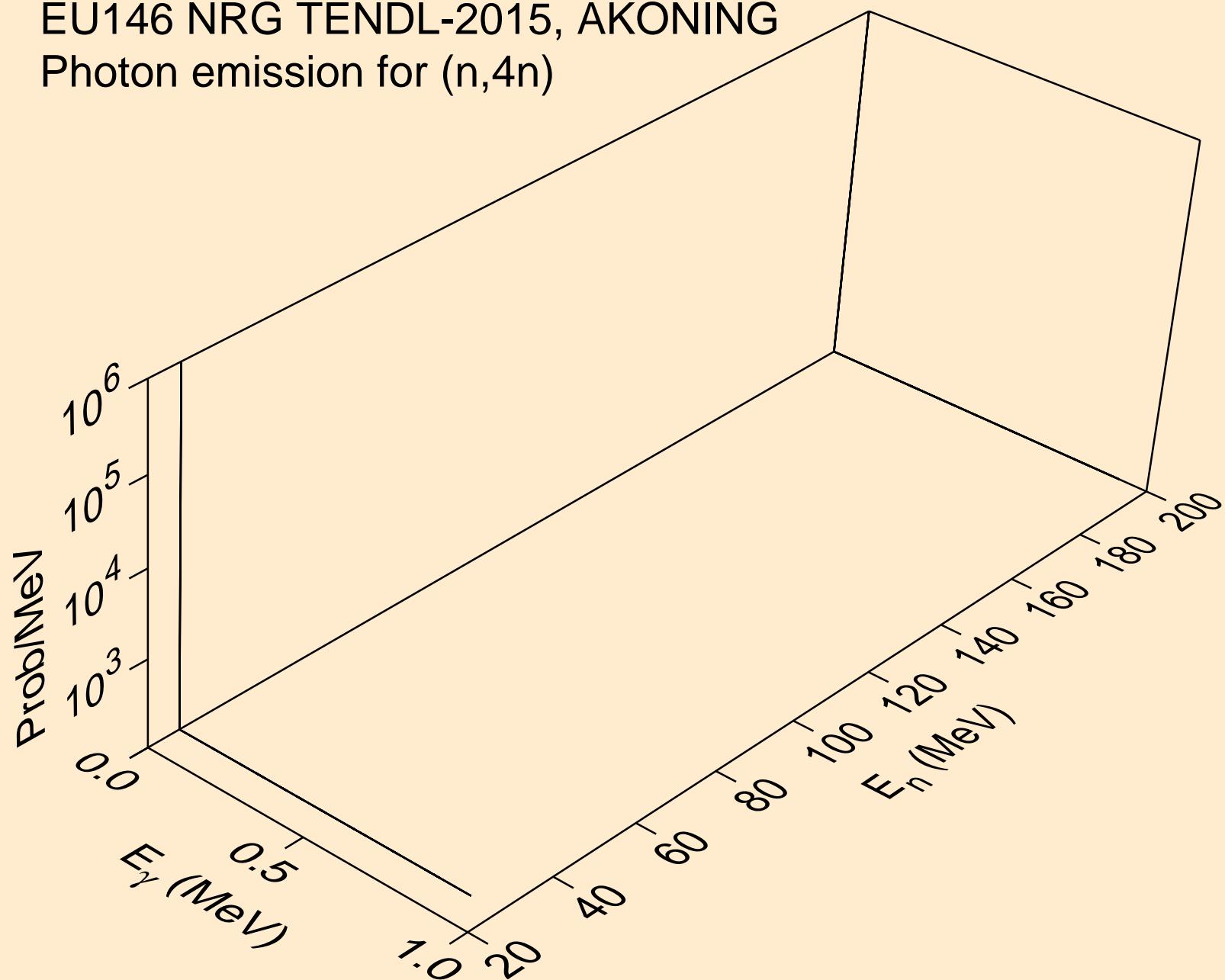
EU146 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



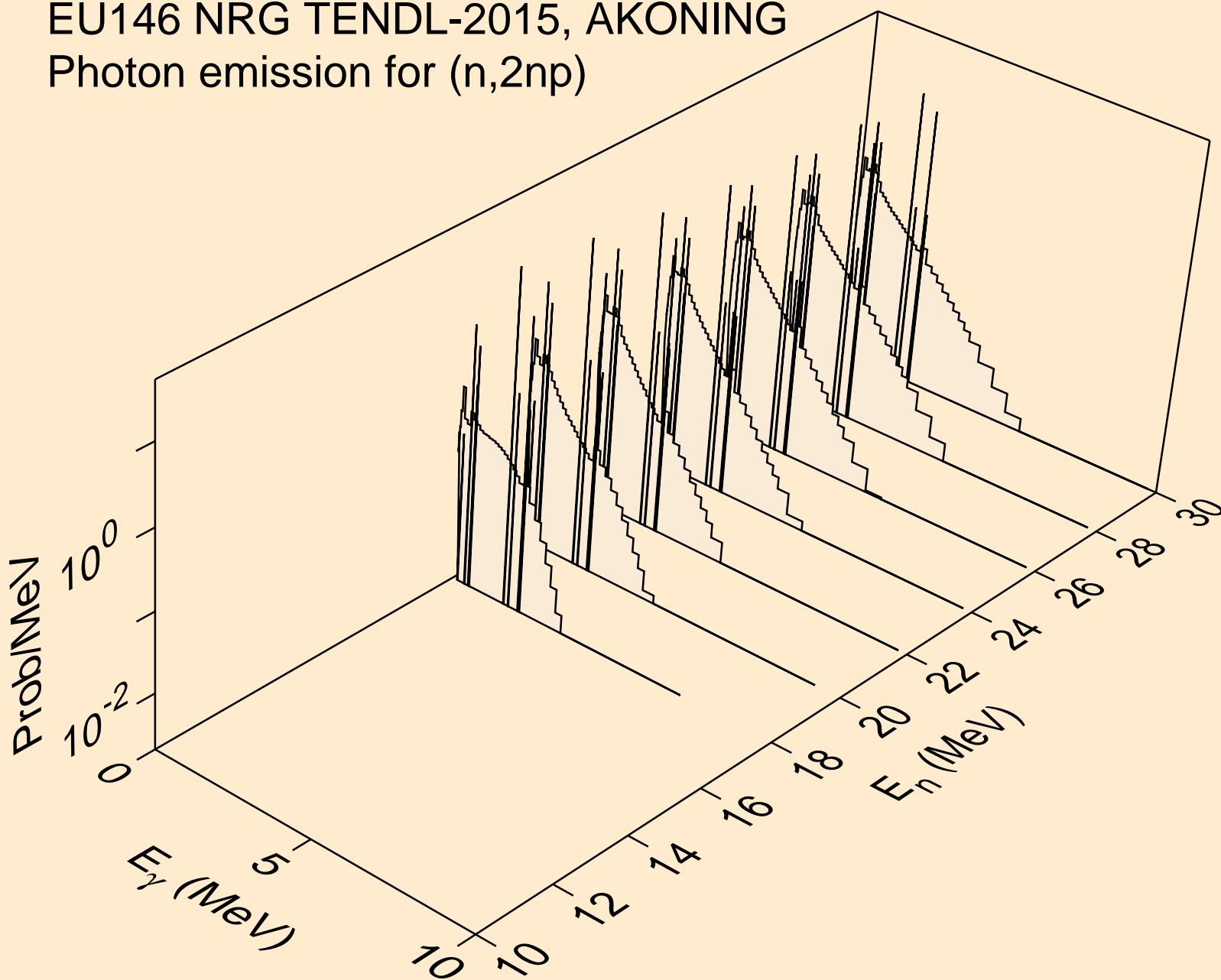
EU146 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



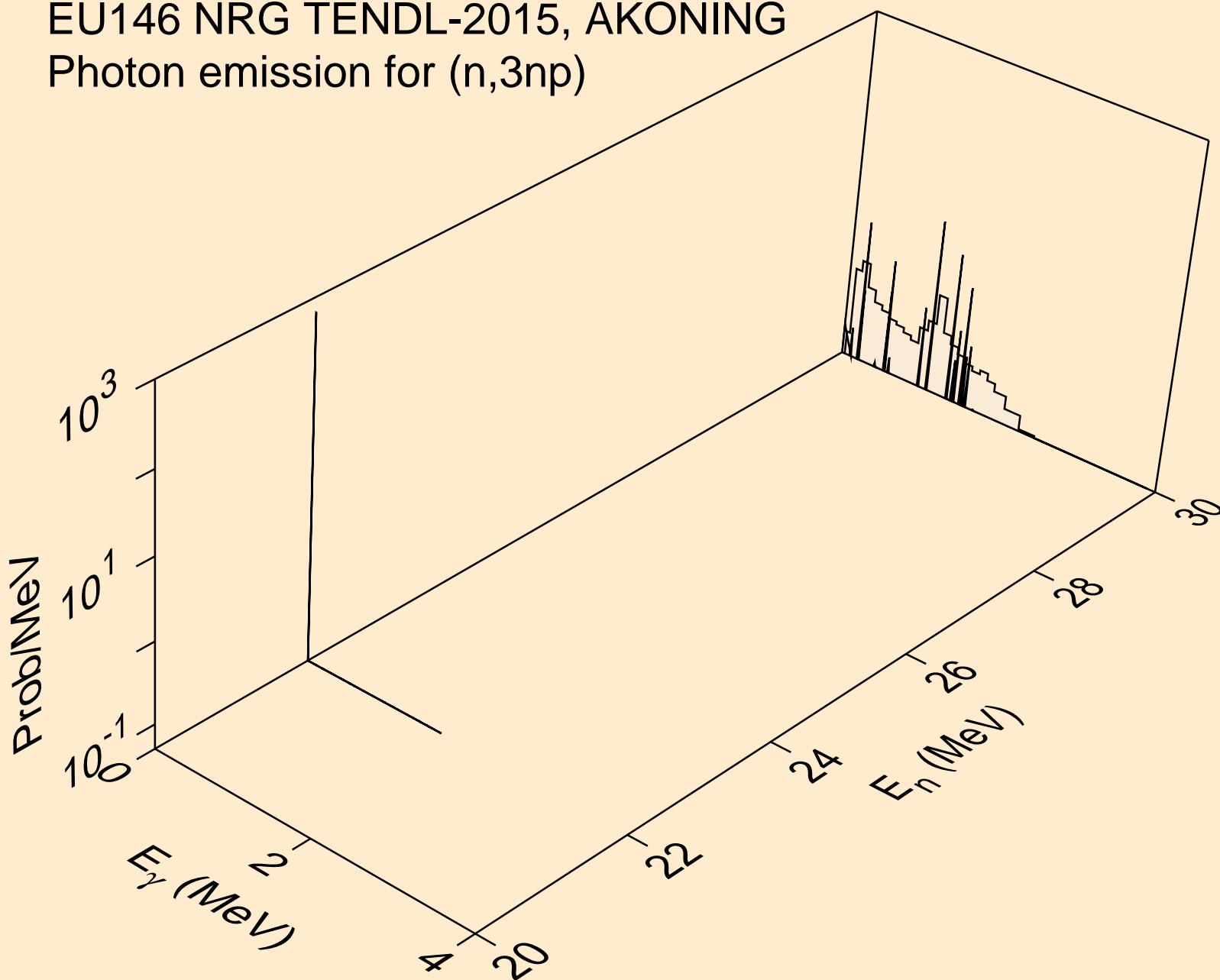
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Photon emission for (n,4n)



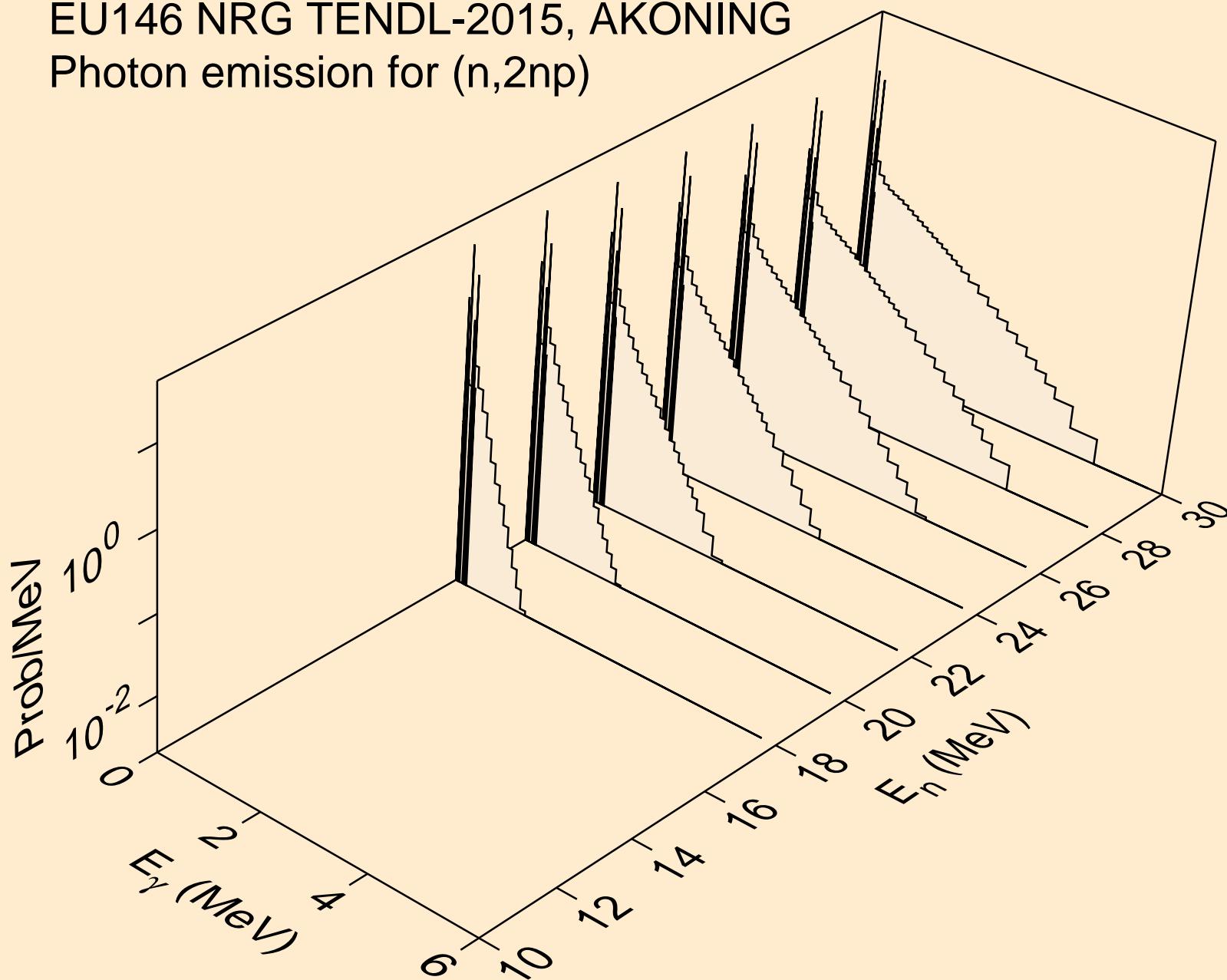
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Photon emission for (n,2np)



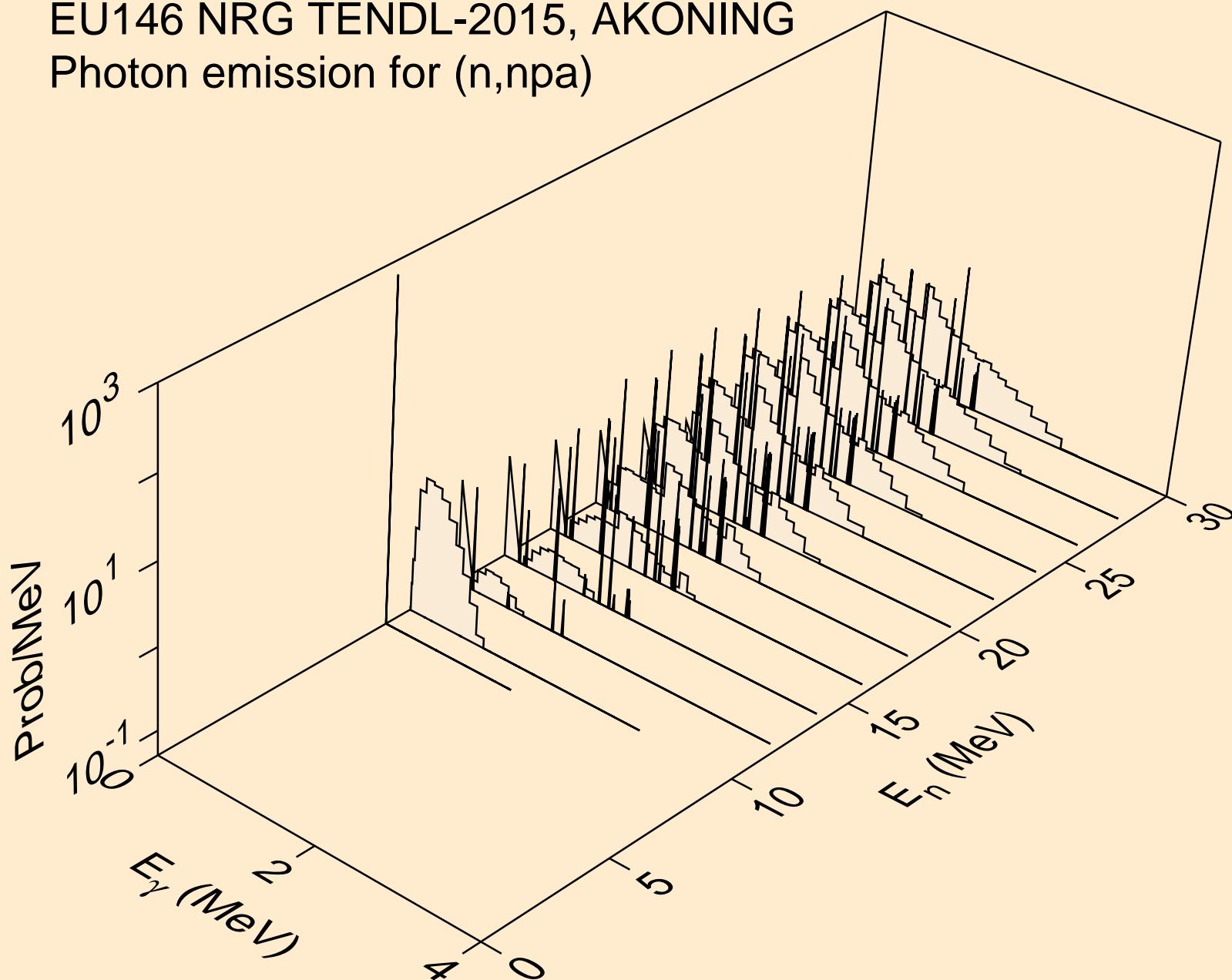
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Photon emission for (n,3np)



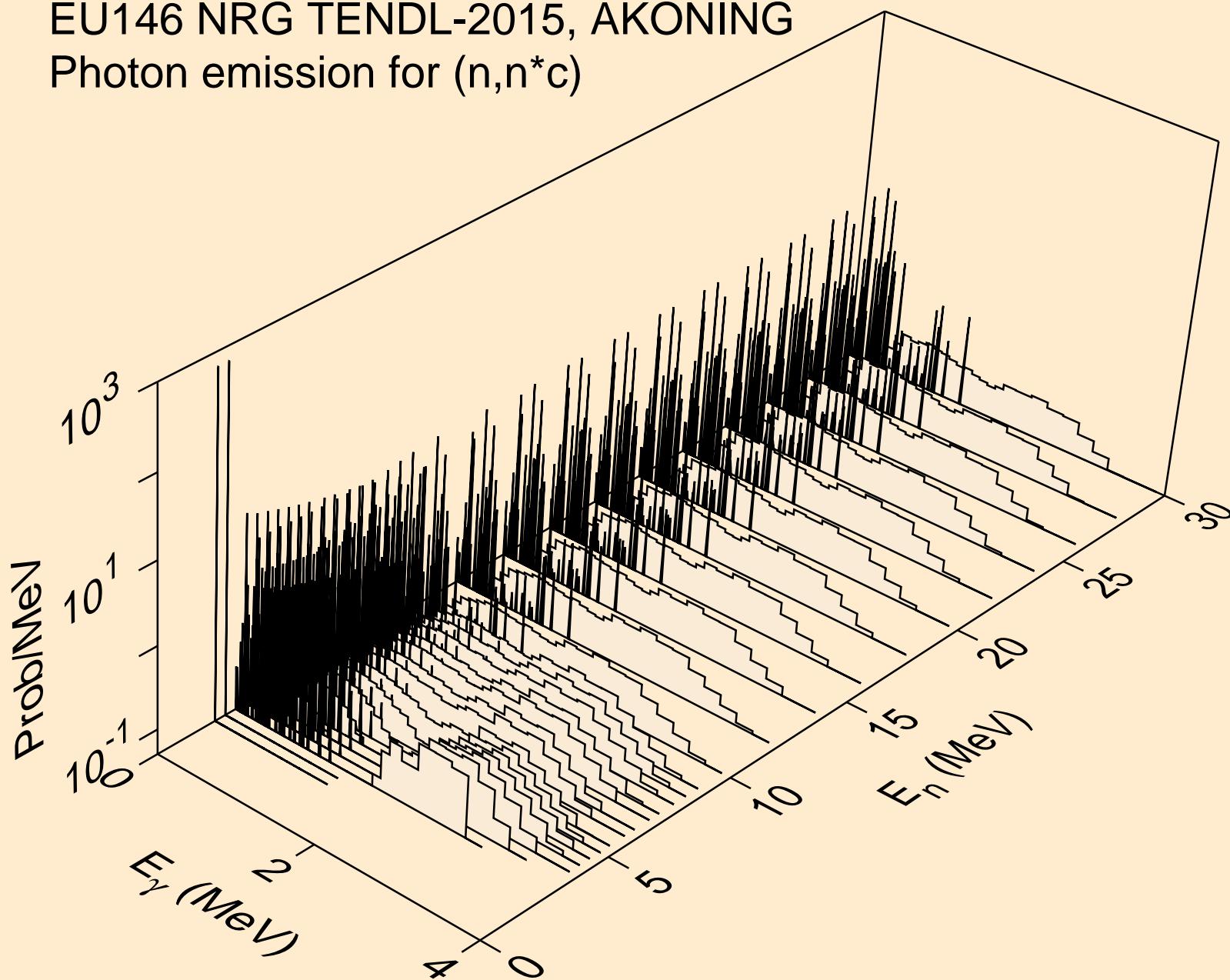
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Photon emission for (n,2np)



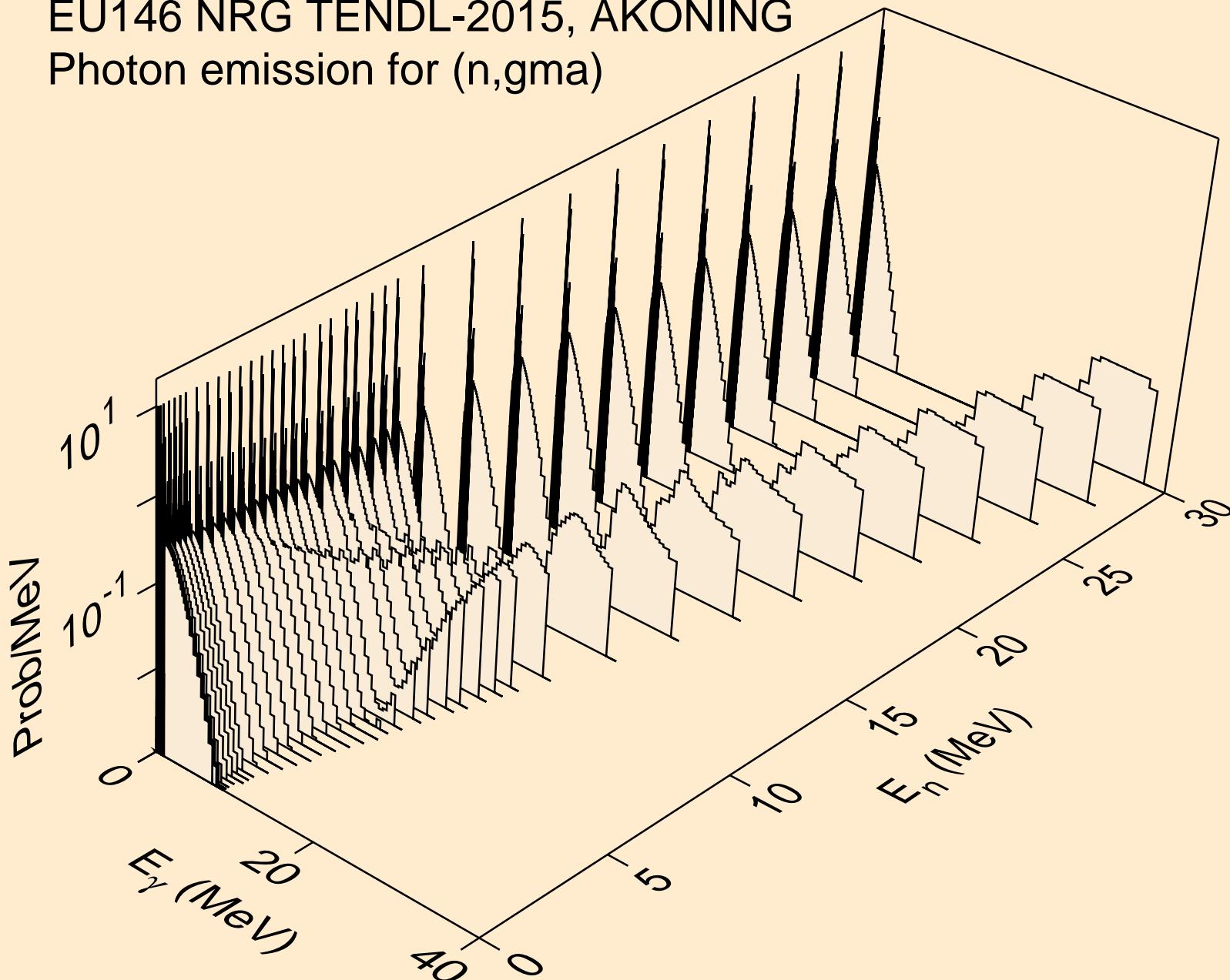
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Photon emission for (n,npa)



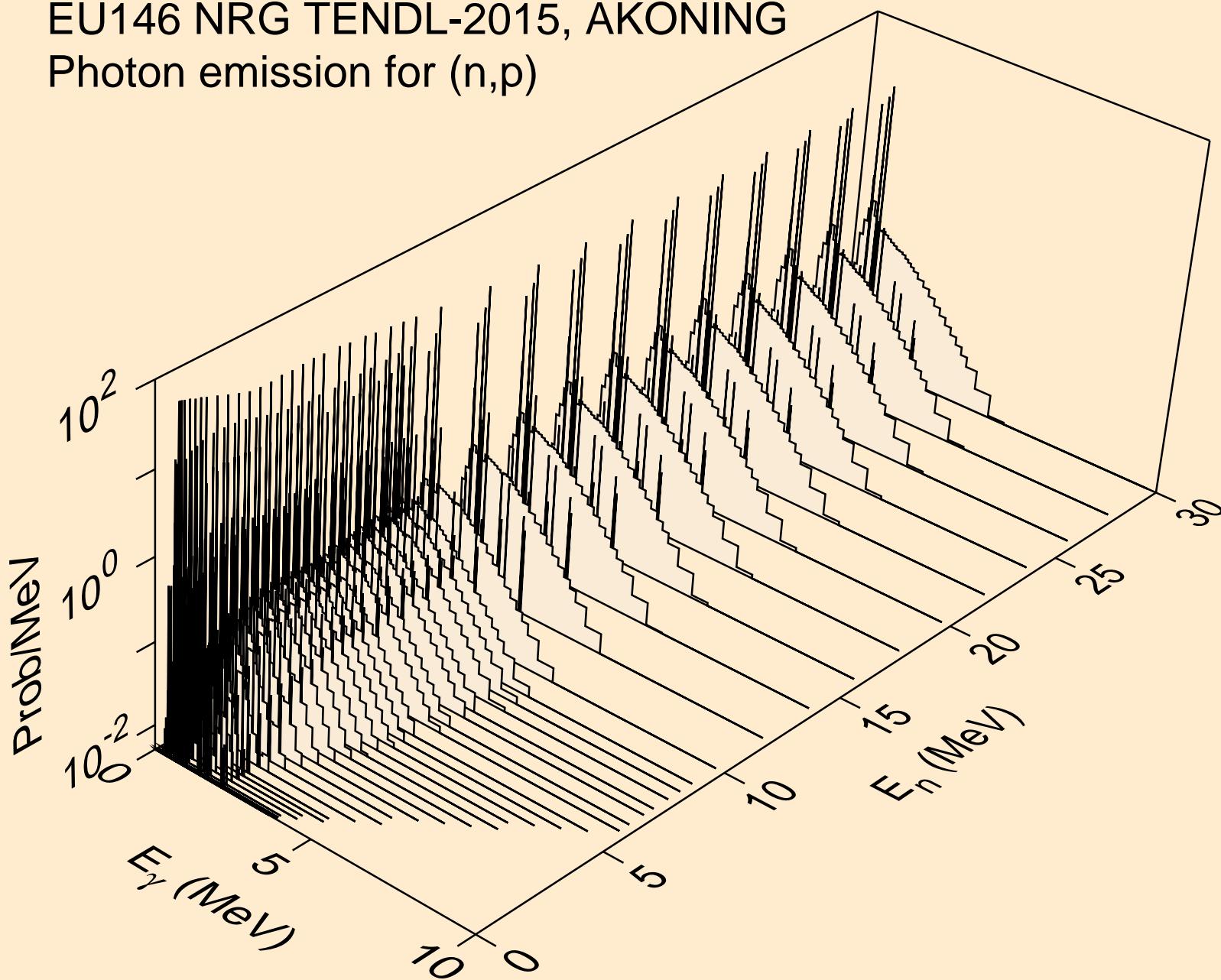
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Photon emission for  $(n,n^*c)$



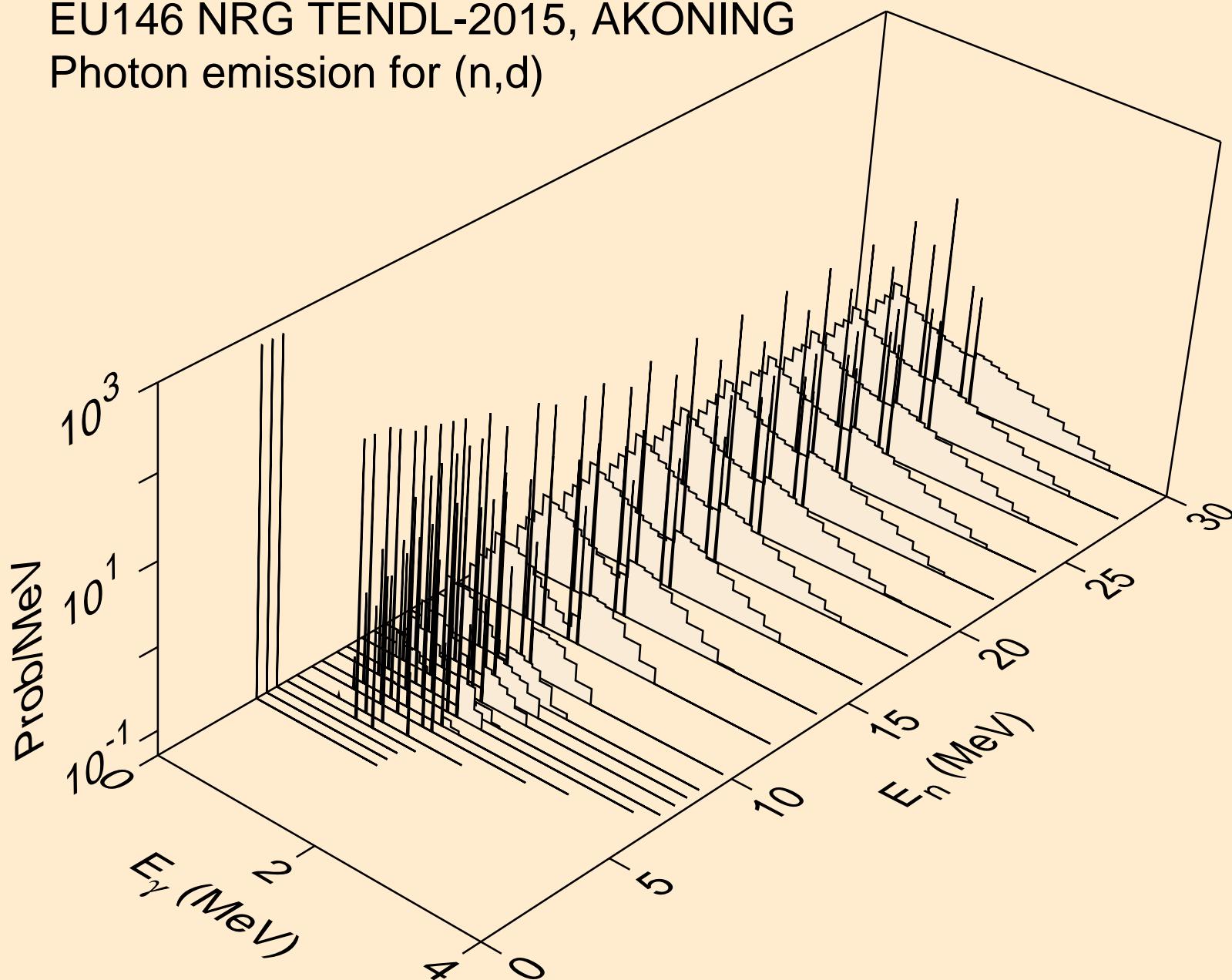
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Photon emission for (n,gma)



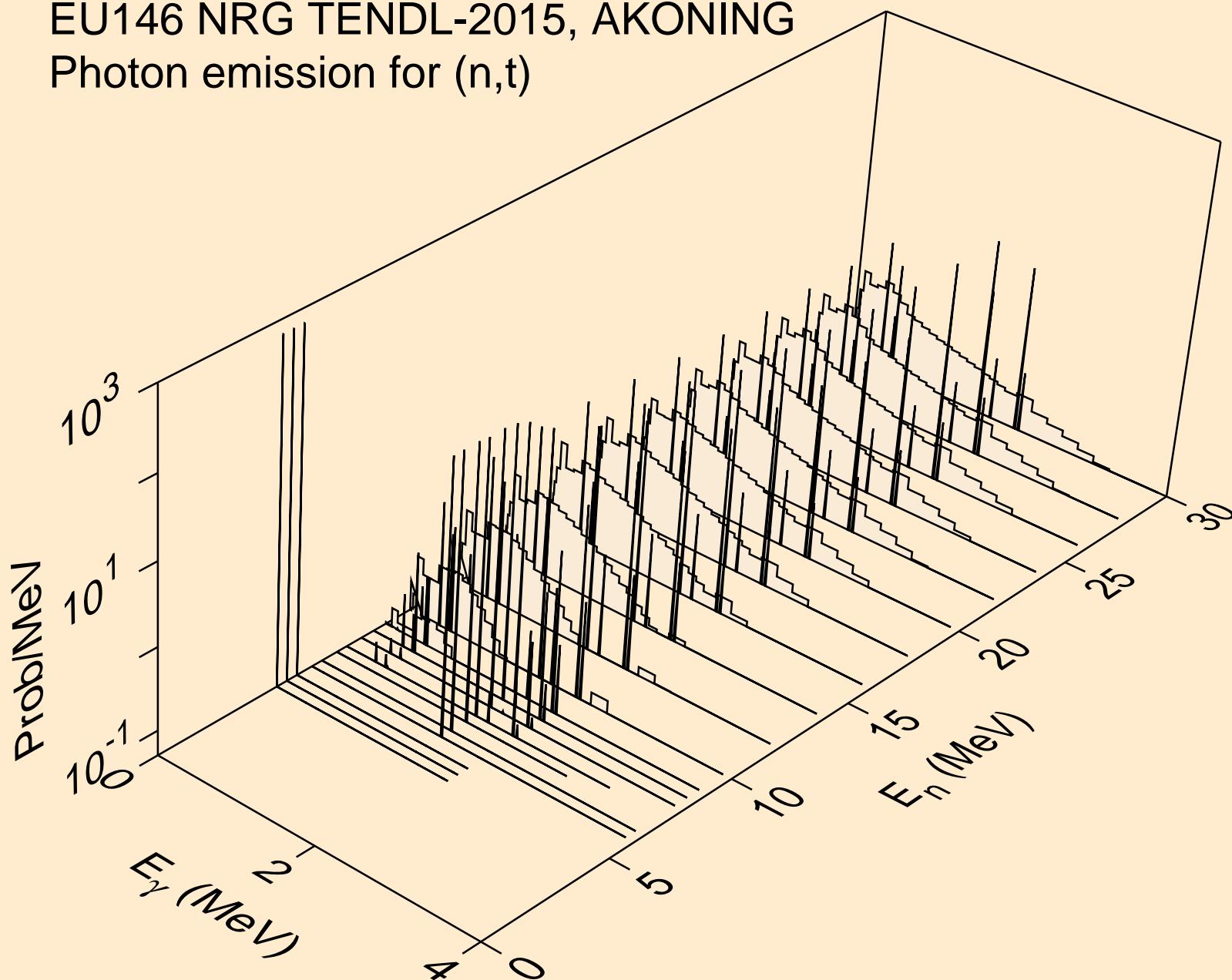
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Photon emission for (n,p)



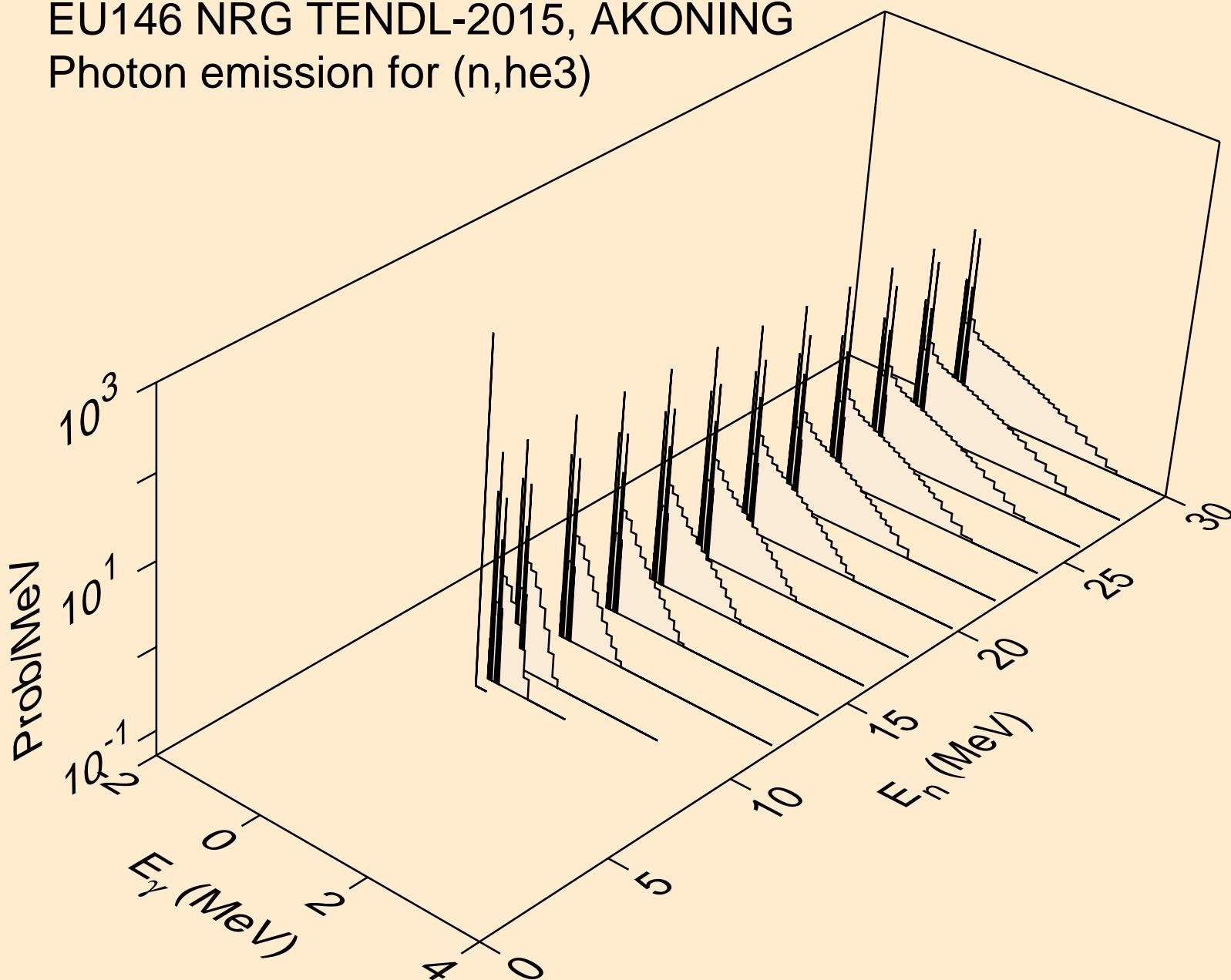
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Photon emission for (n,d)



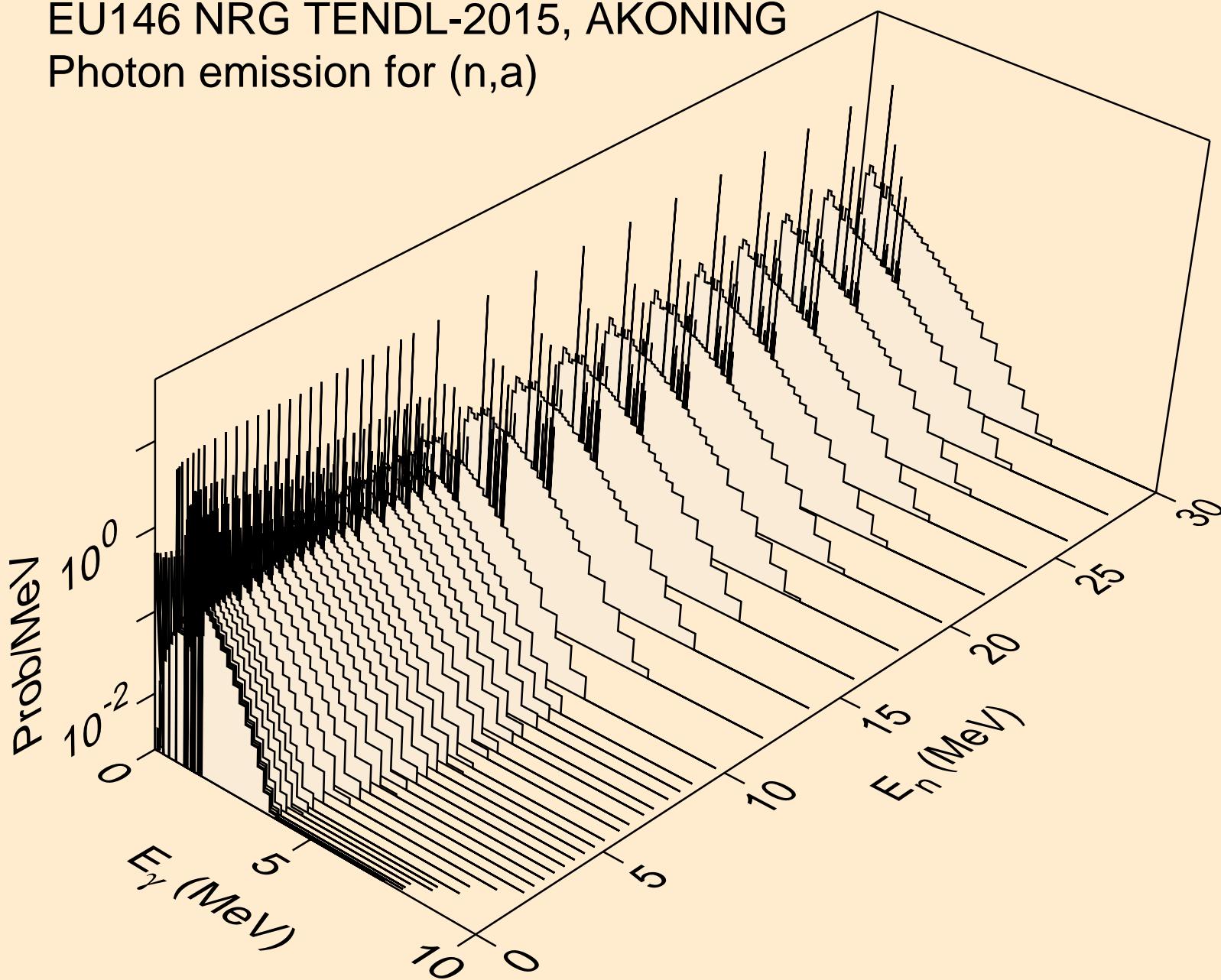
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Photon emission for (n,t)



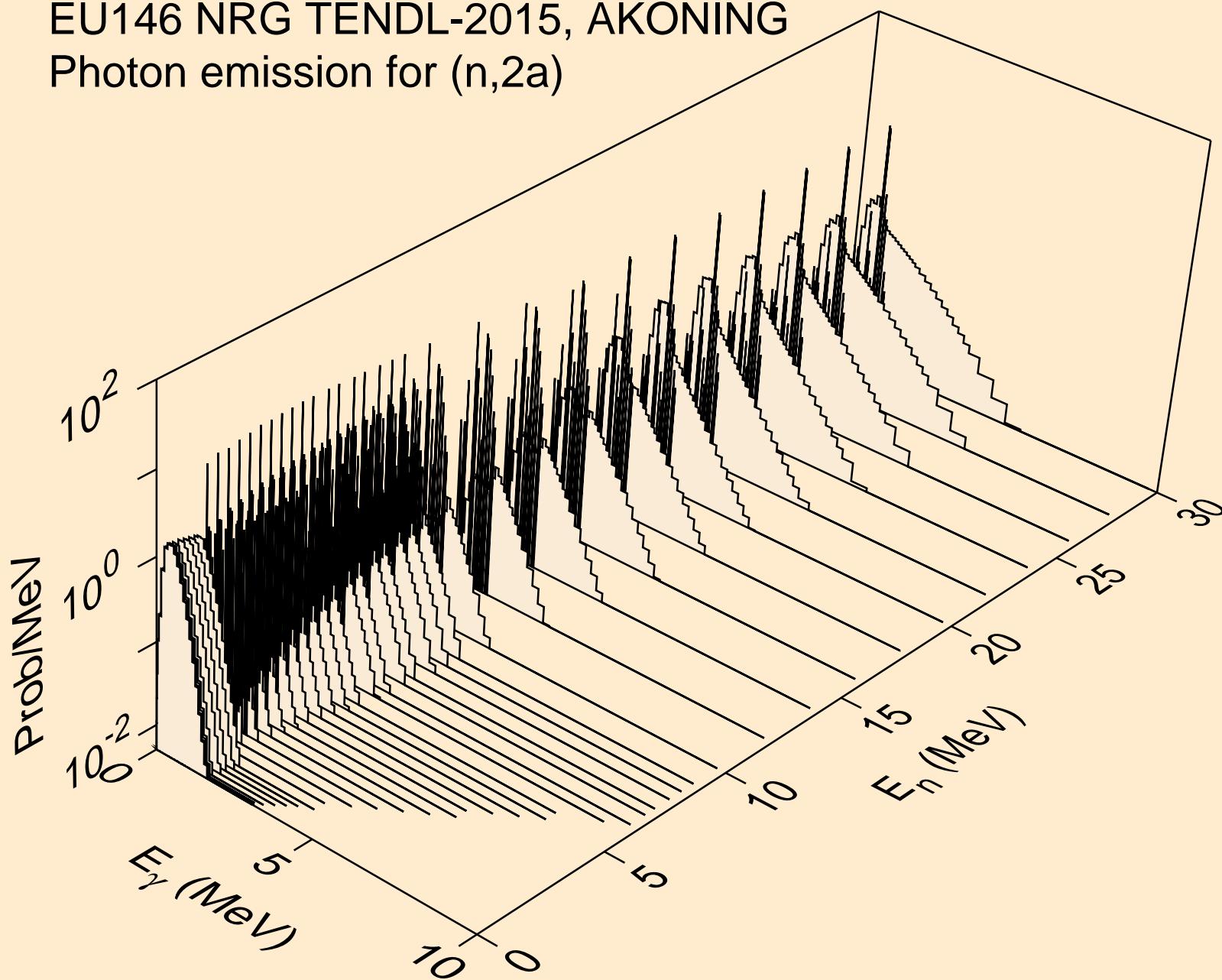
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Photon emission for (n,he3)



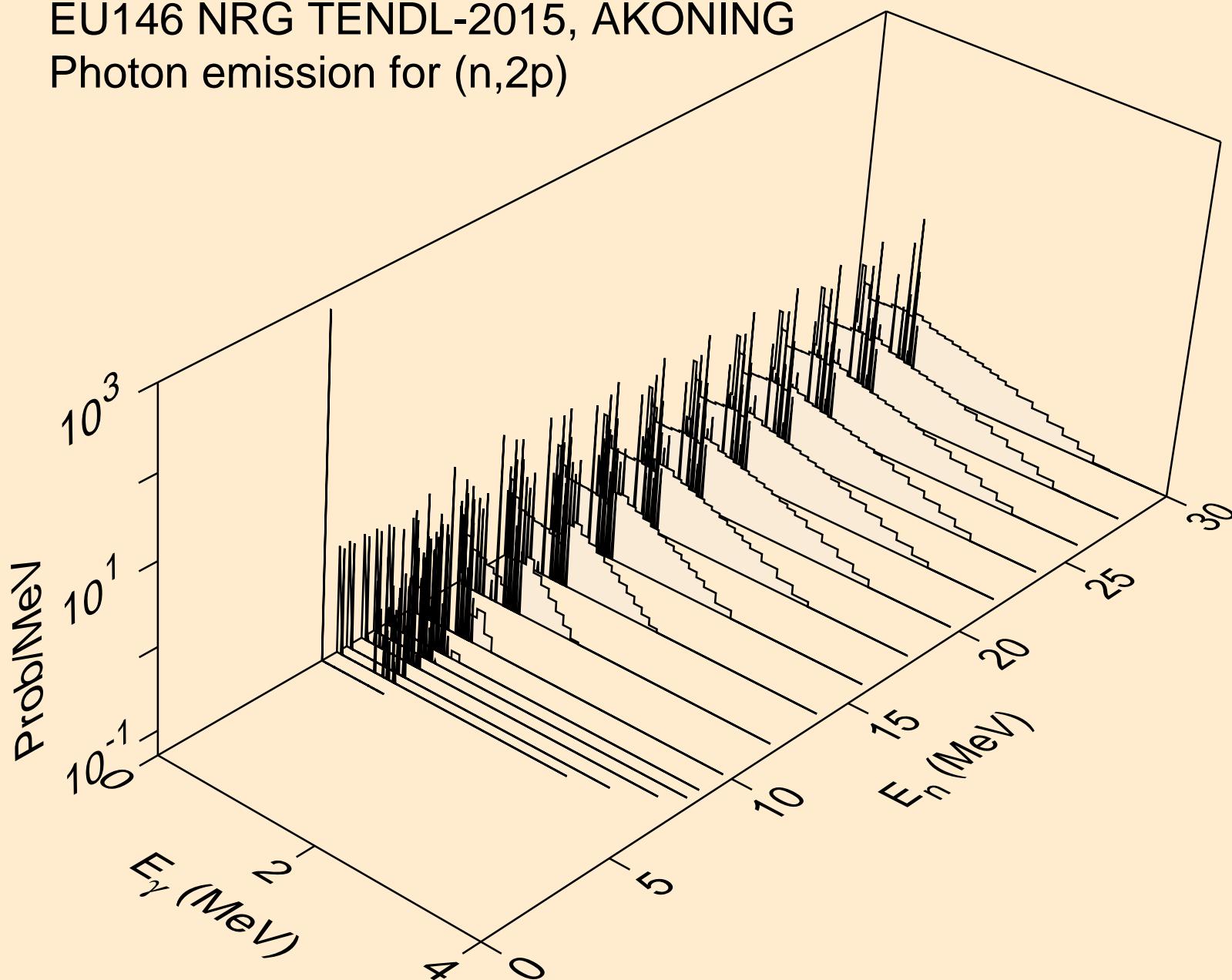
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Photon emission for (n,a)



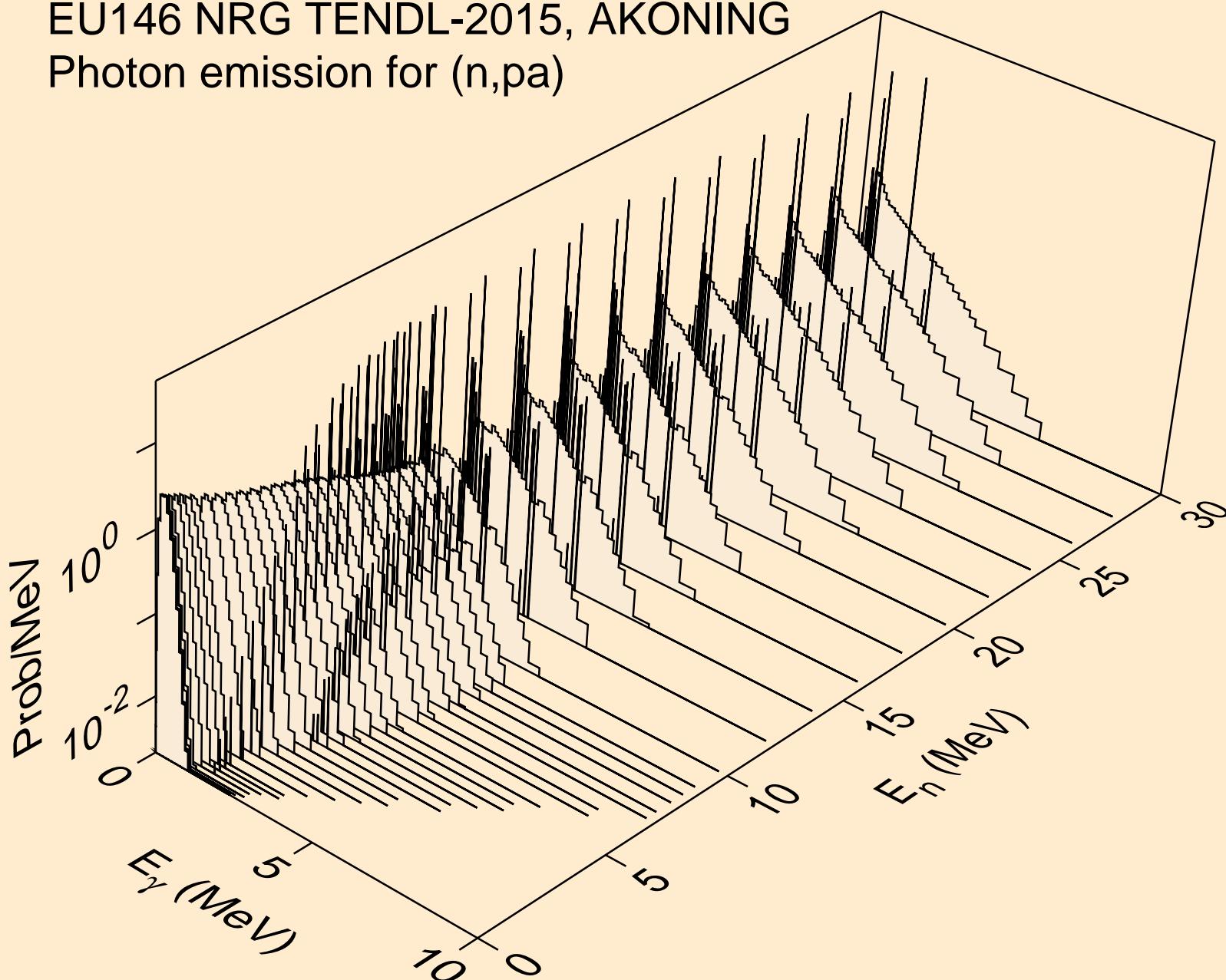
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Photon emission for (n,2a)



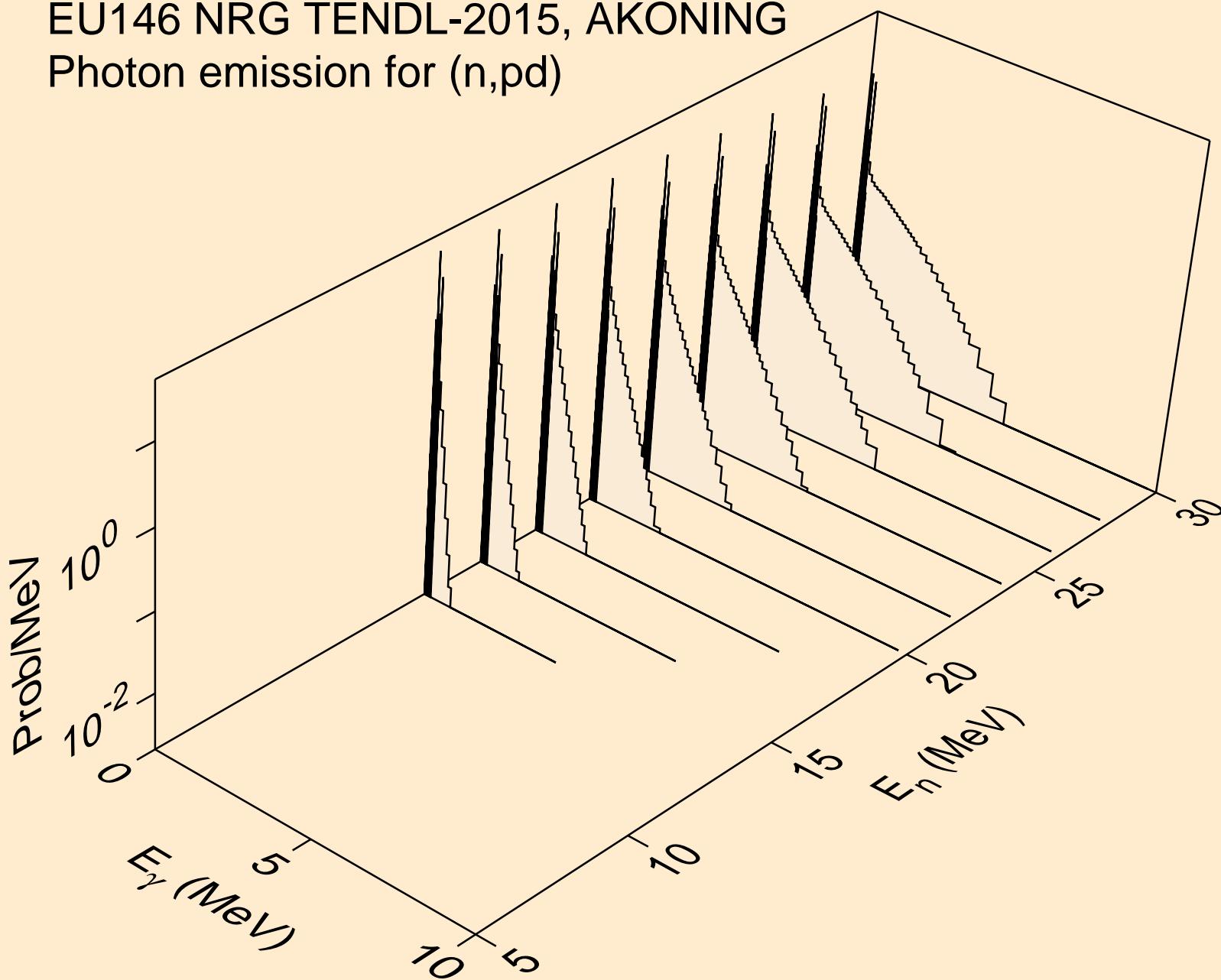
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Photon emission for (n,2p)



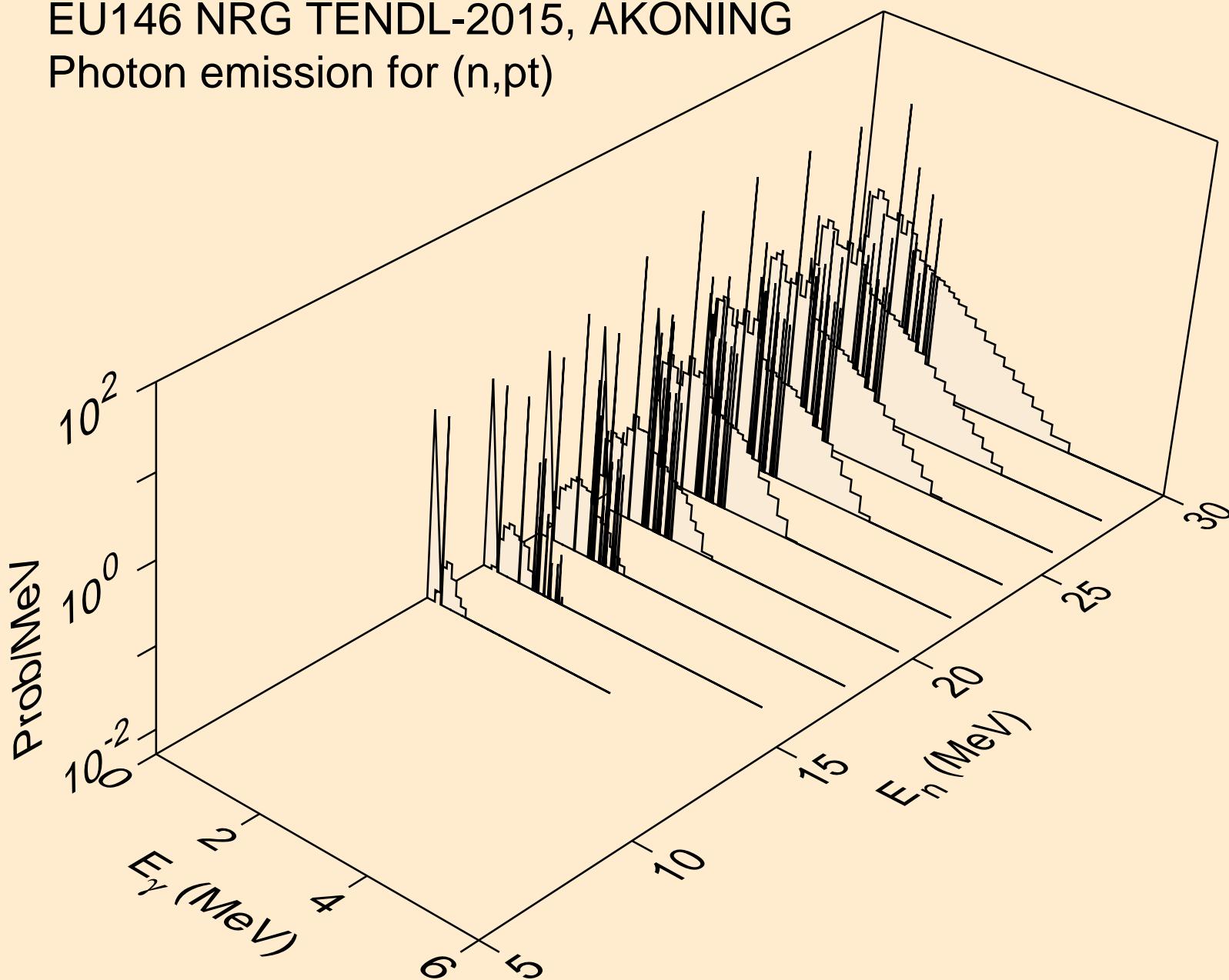
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Photon emission for (n,pa)



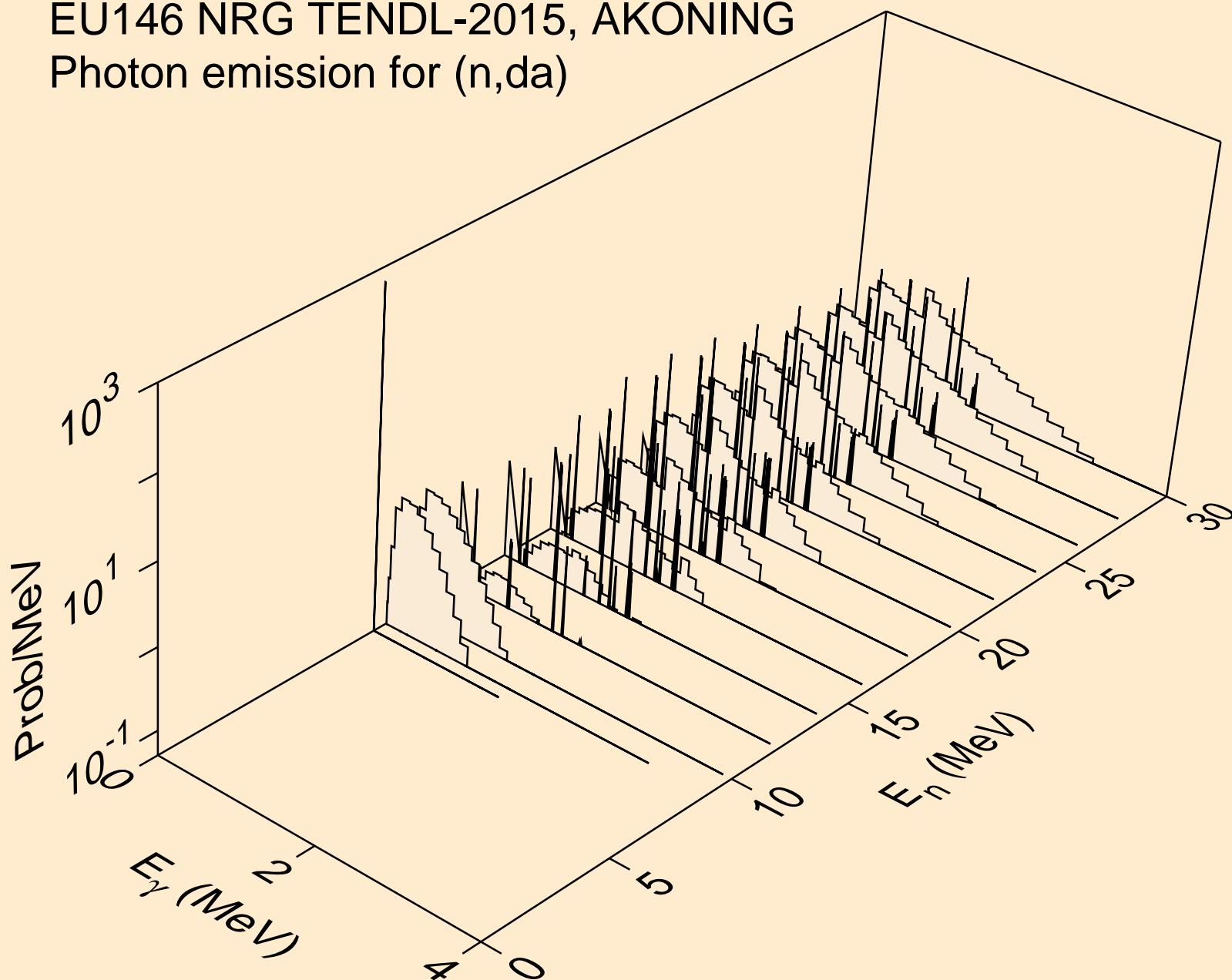
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Photon emission for (n,pd)



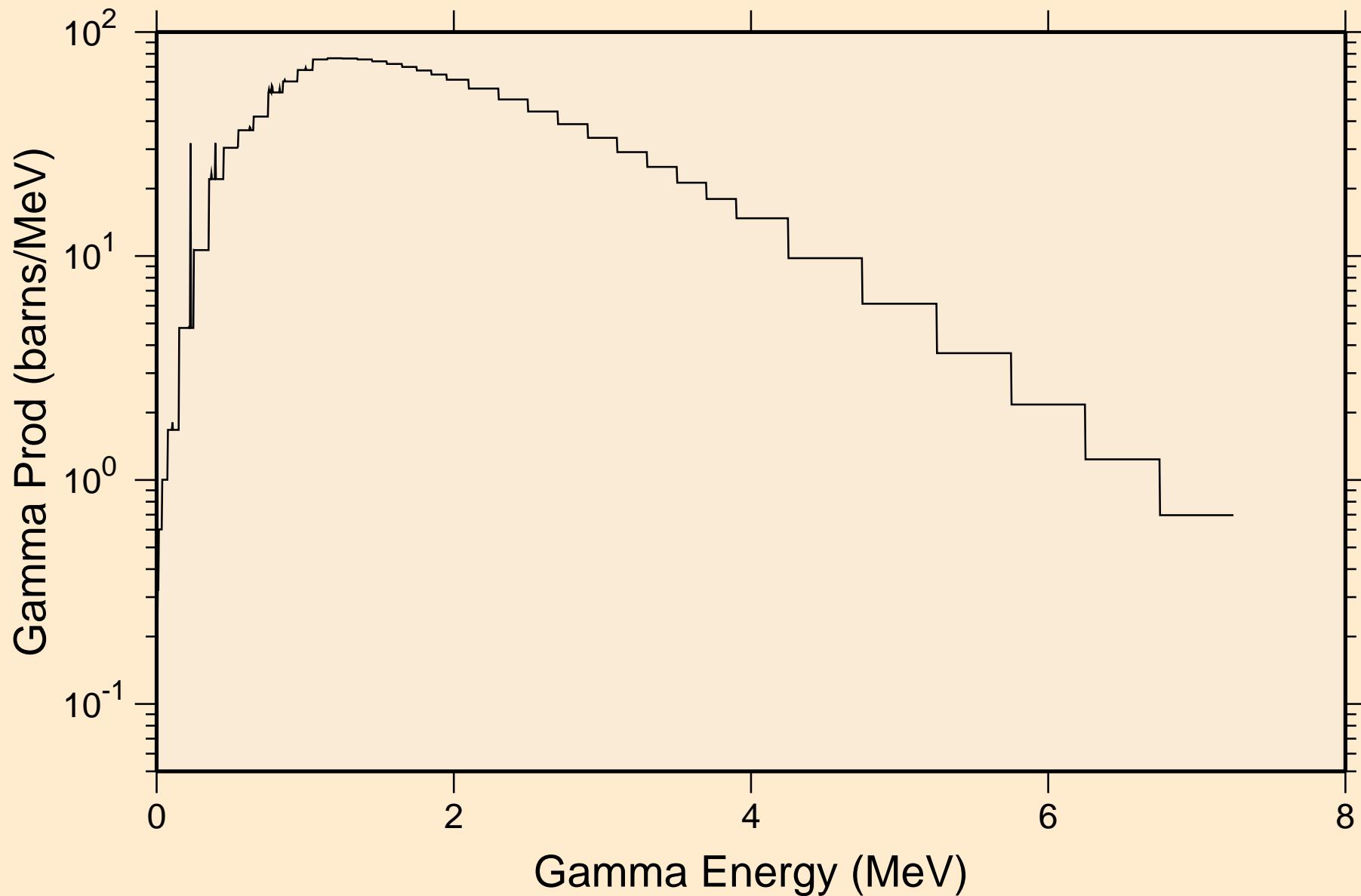
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Photon emission for (n,pt)



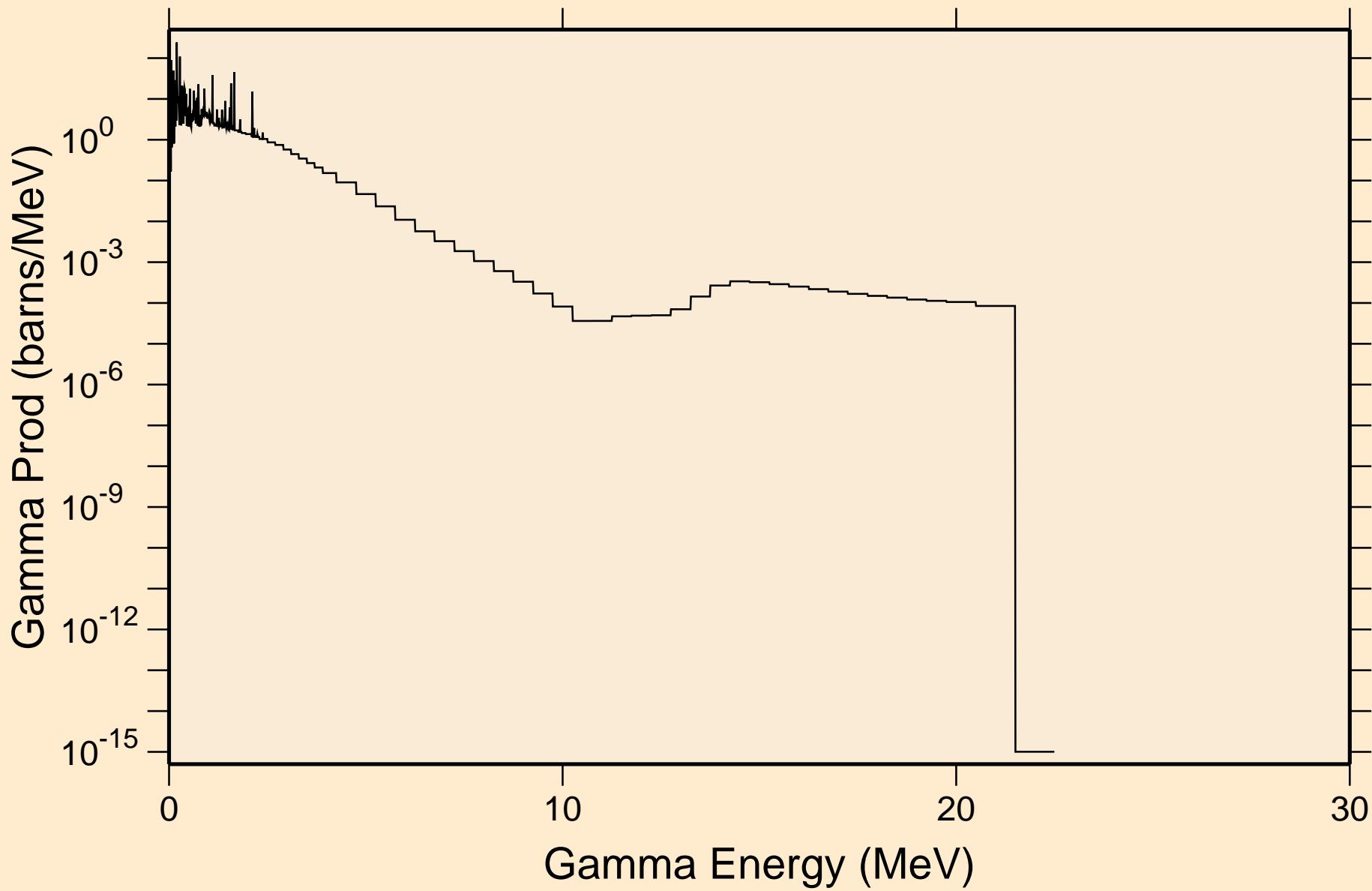
EU146 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



EU146 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

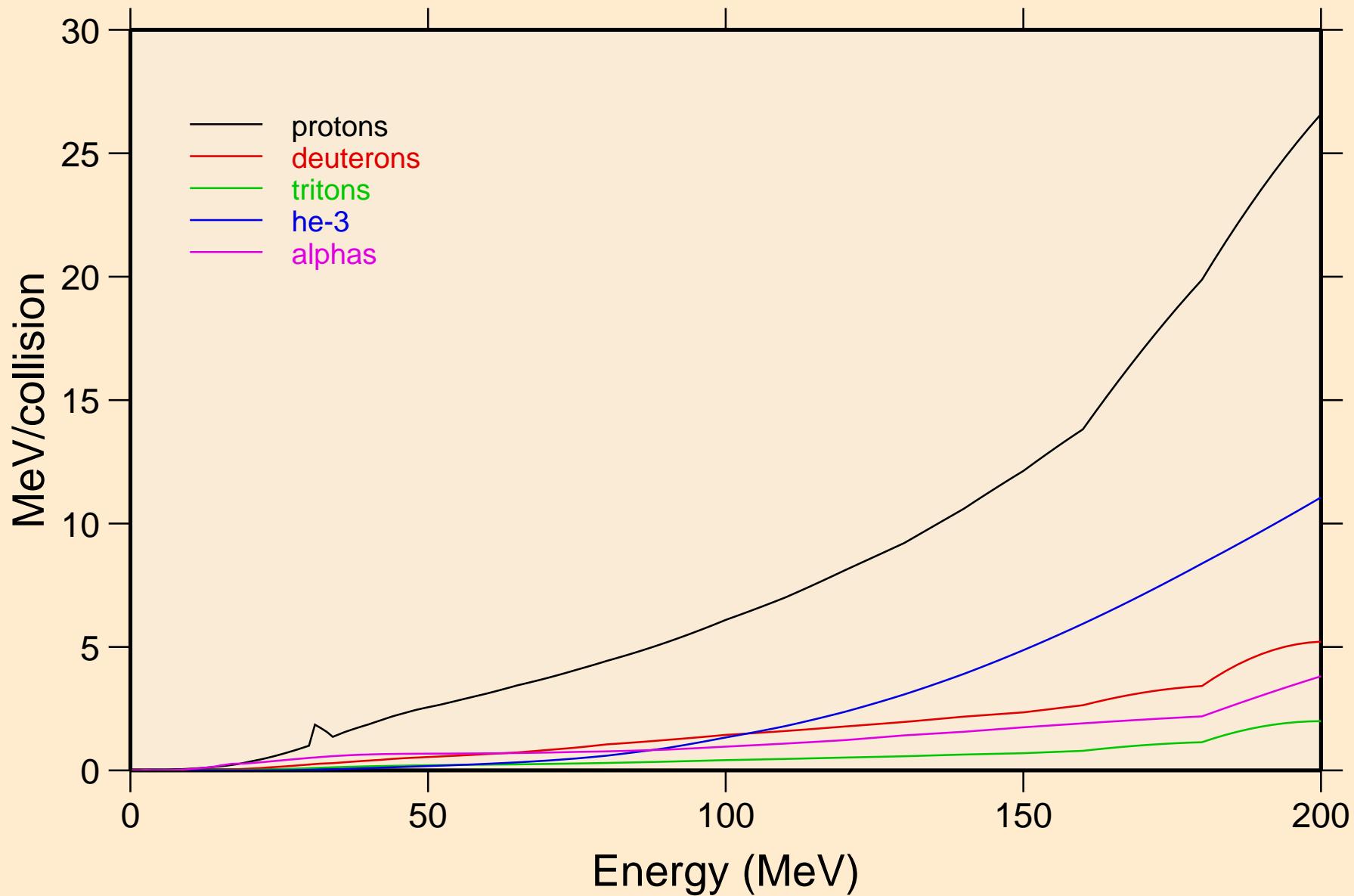


EU146 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



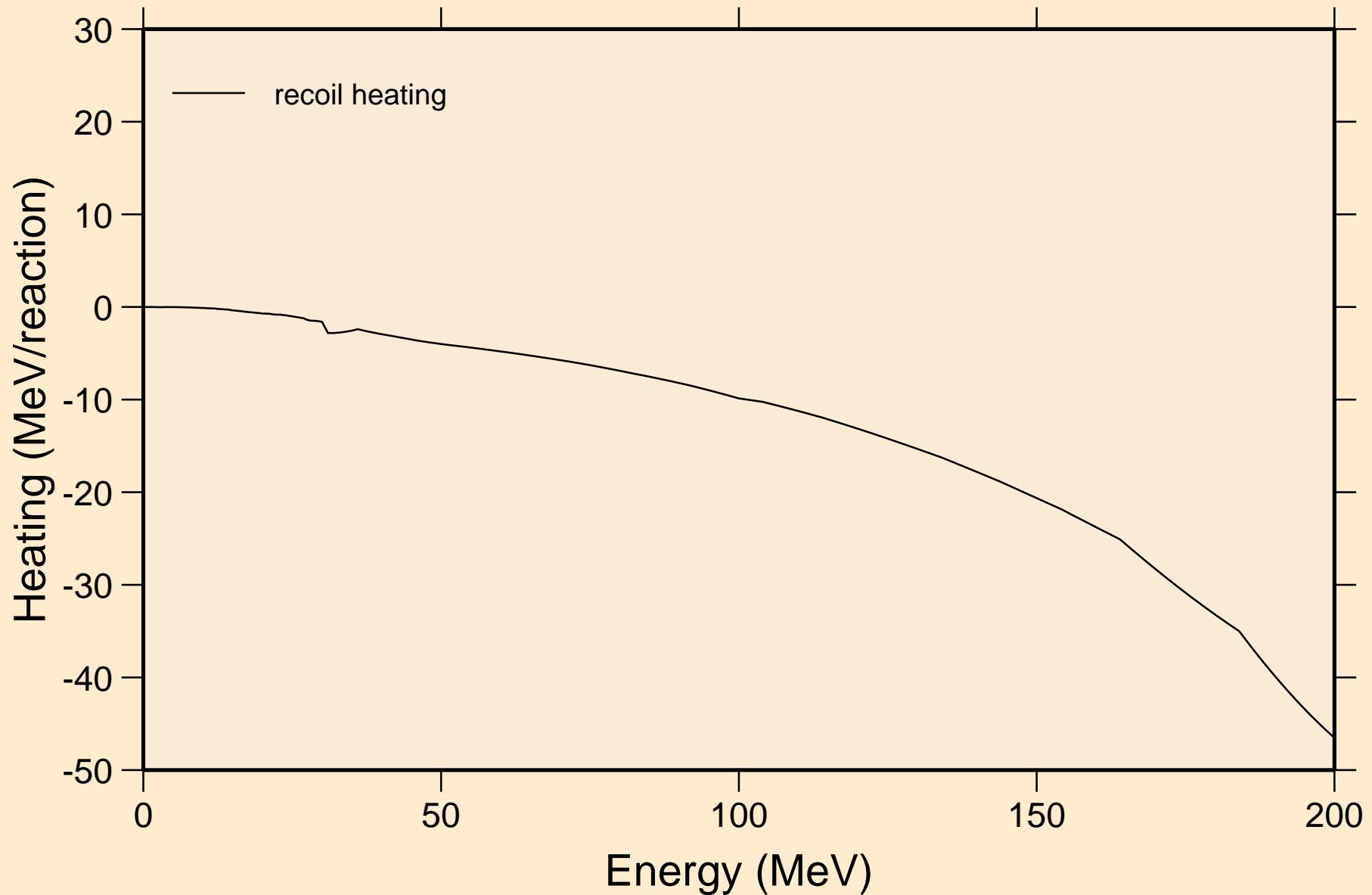
# EU146 NRG TENDL-2015, AKONING

## Particle heating contributions

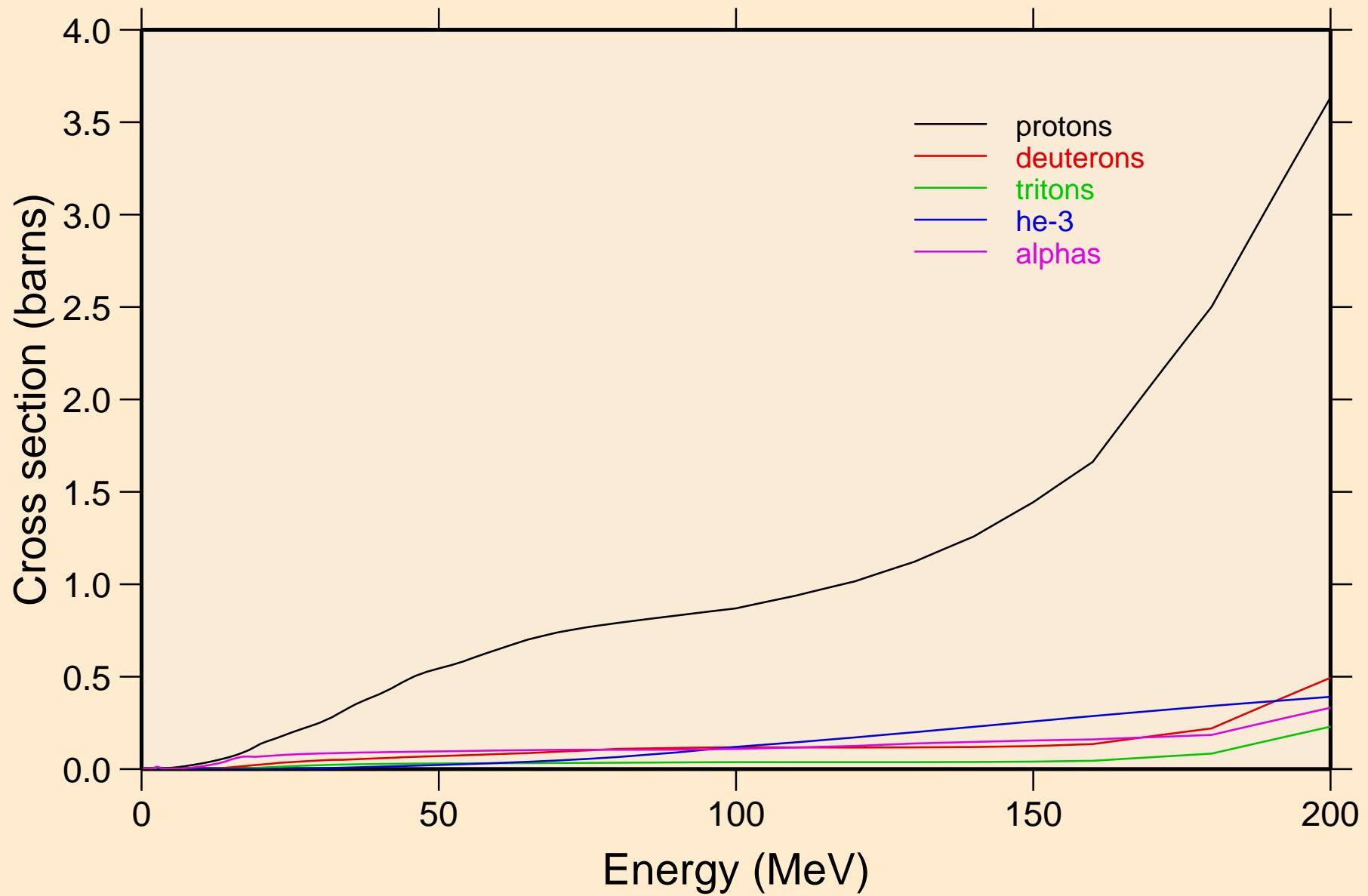


# EU146 NRG TENDL-2015, AKONING

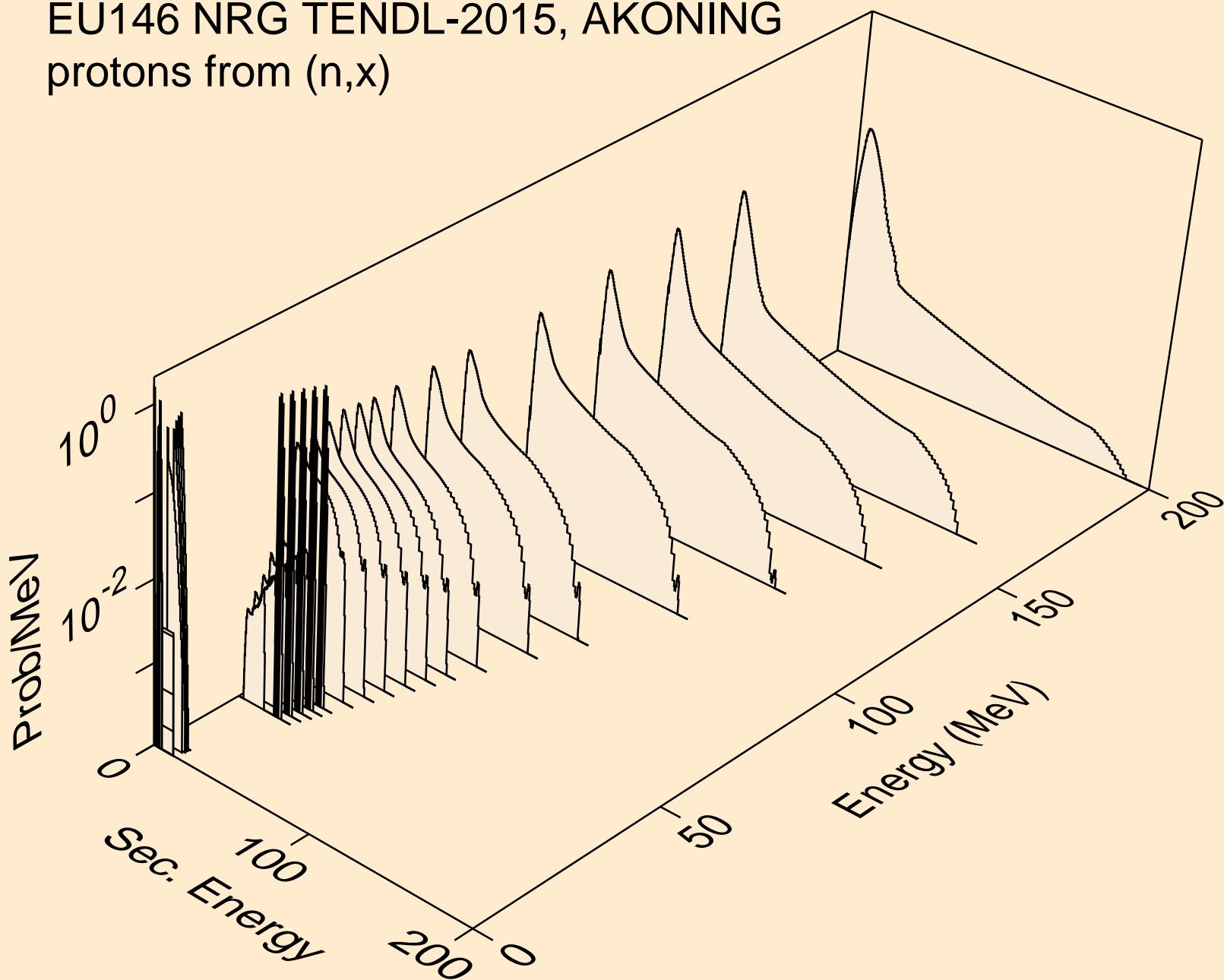
## Recoil Heating



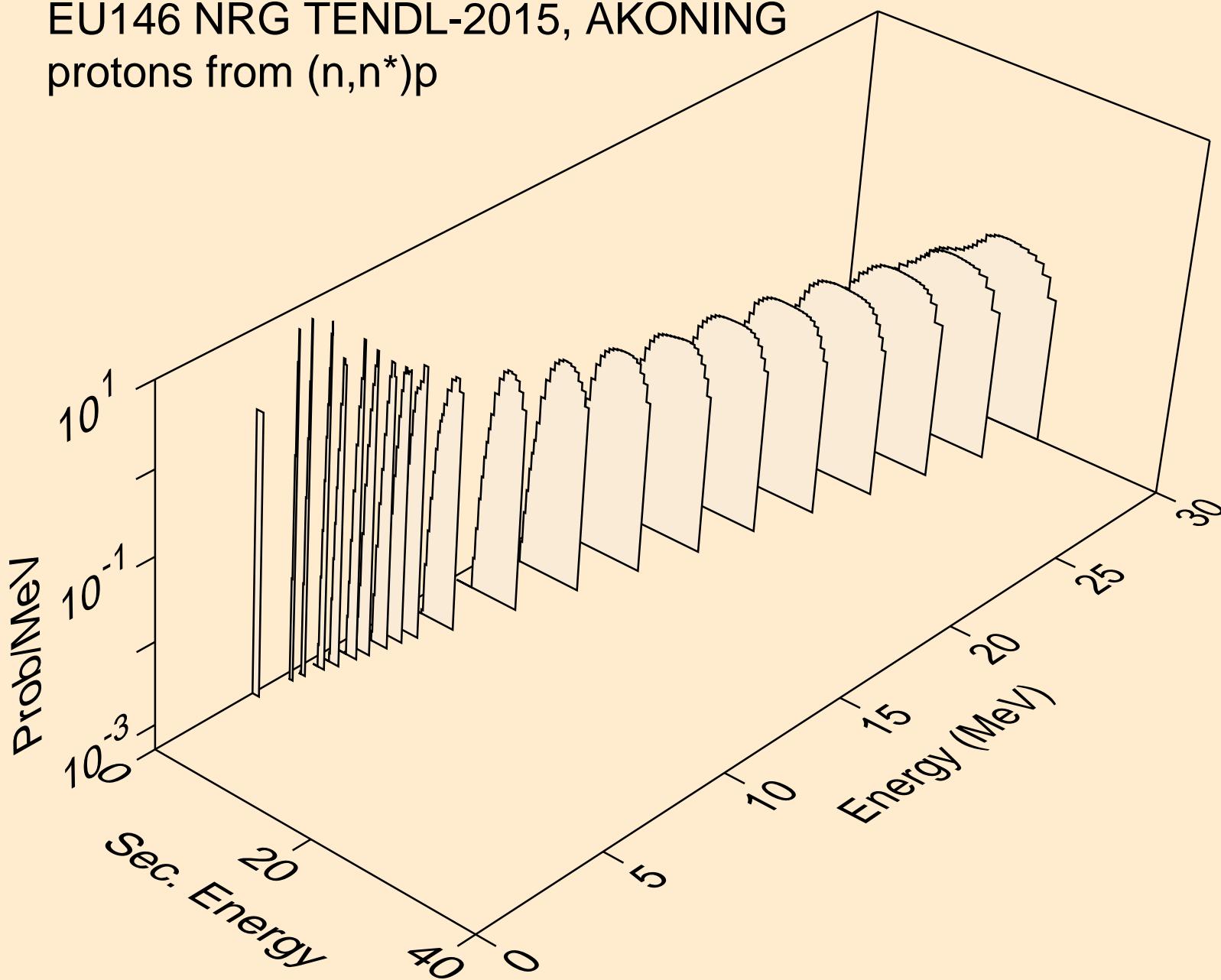
EU146 NRG TENDL-2015, AKONING  
Particle production cross sections



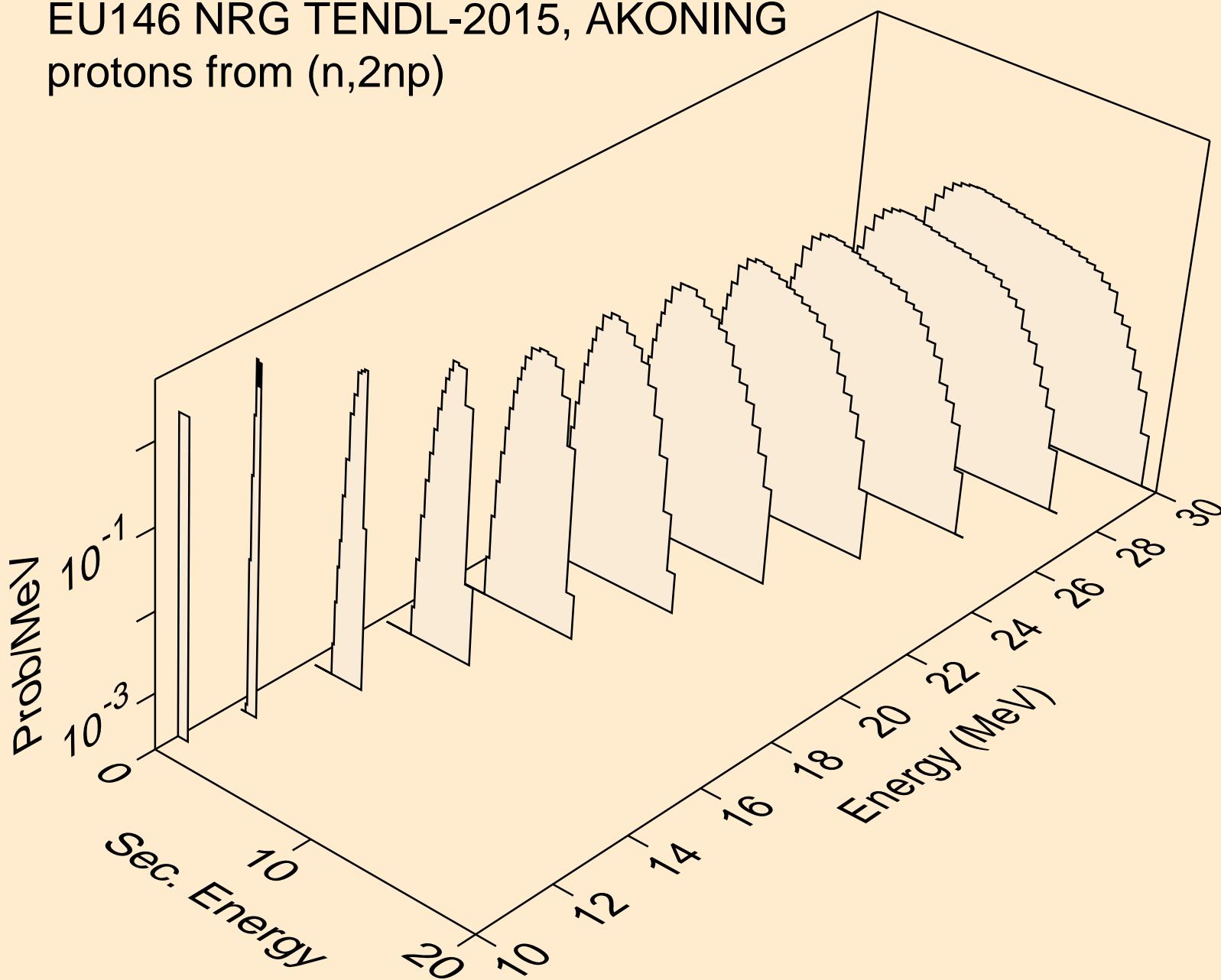
EU146 NRG TENDL-2015, AKONING  
protons from ( $n, x$ )



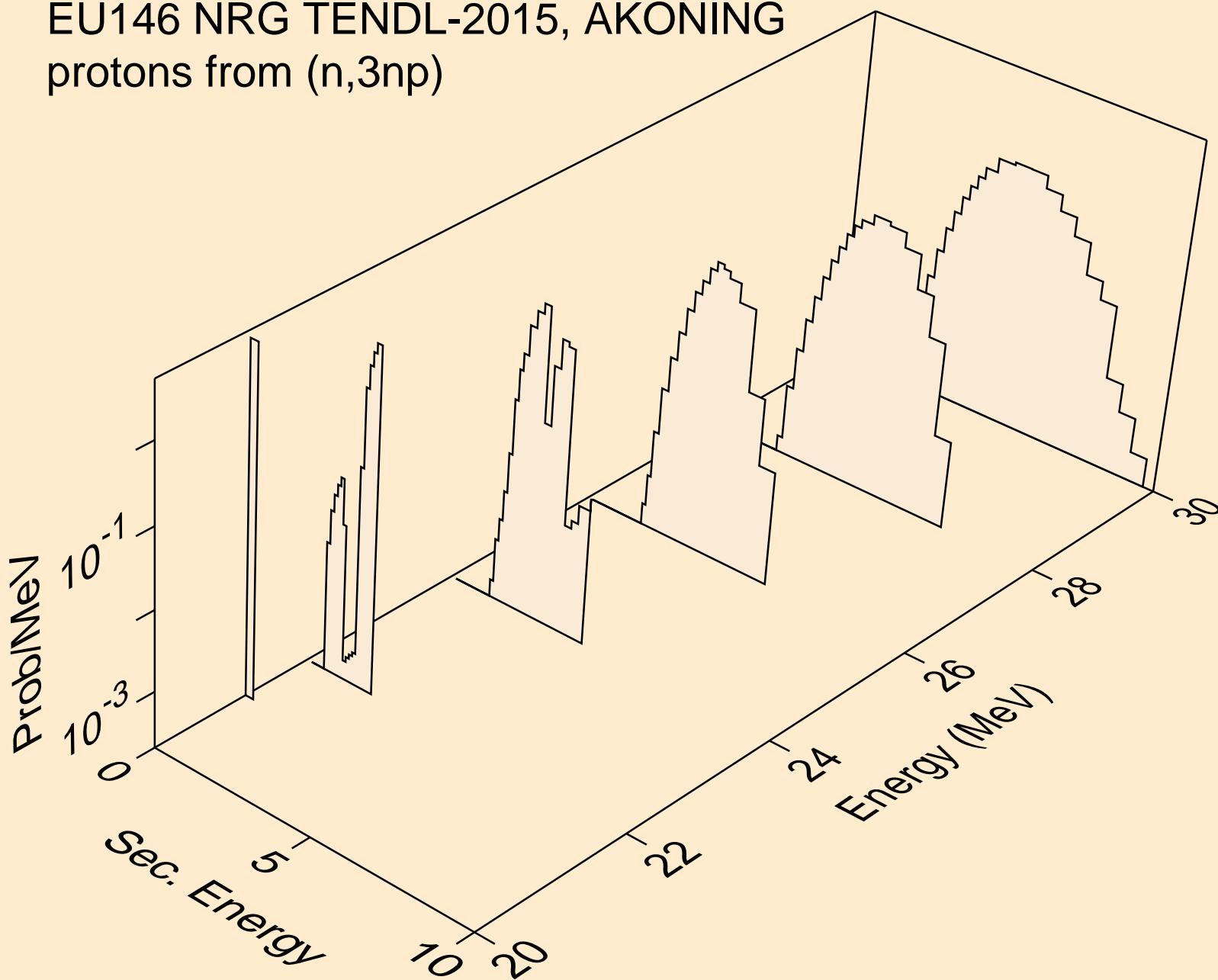
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protons from  $(n,n^*)p$



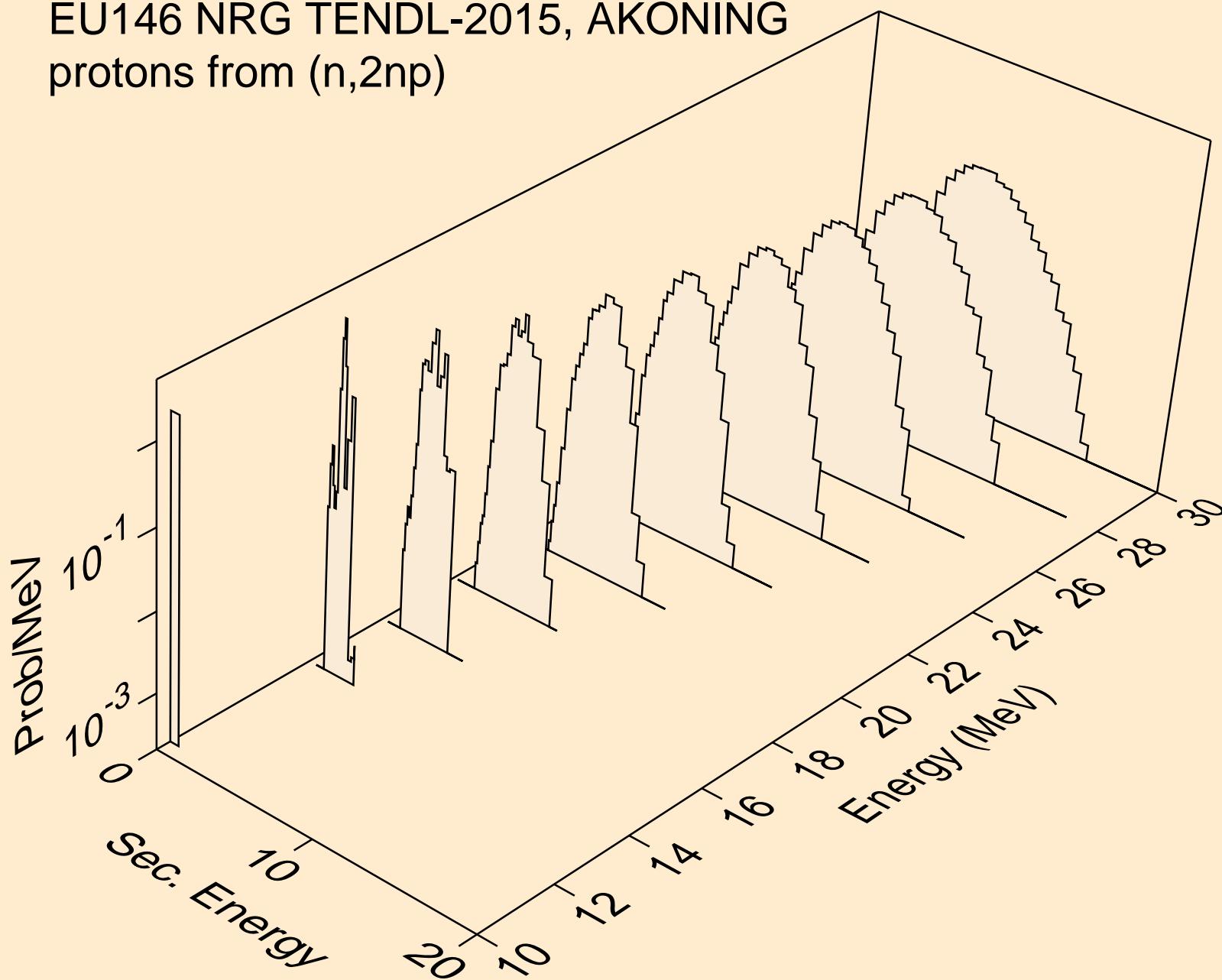
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protons from ( $n,2np$ )



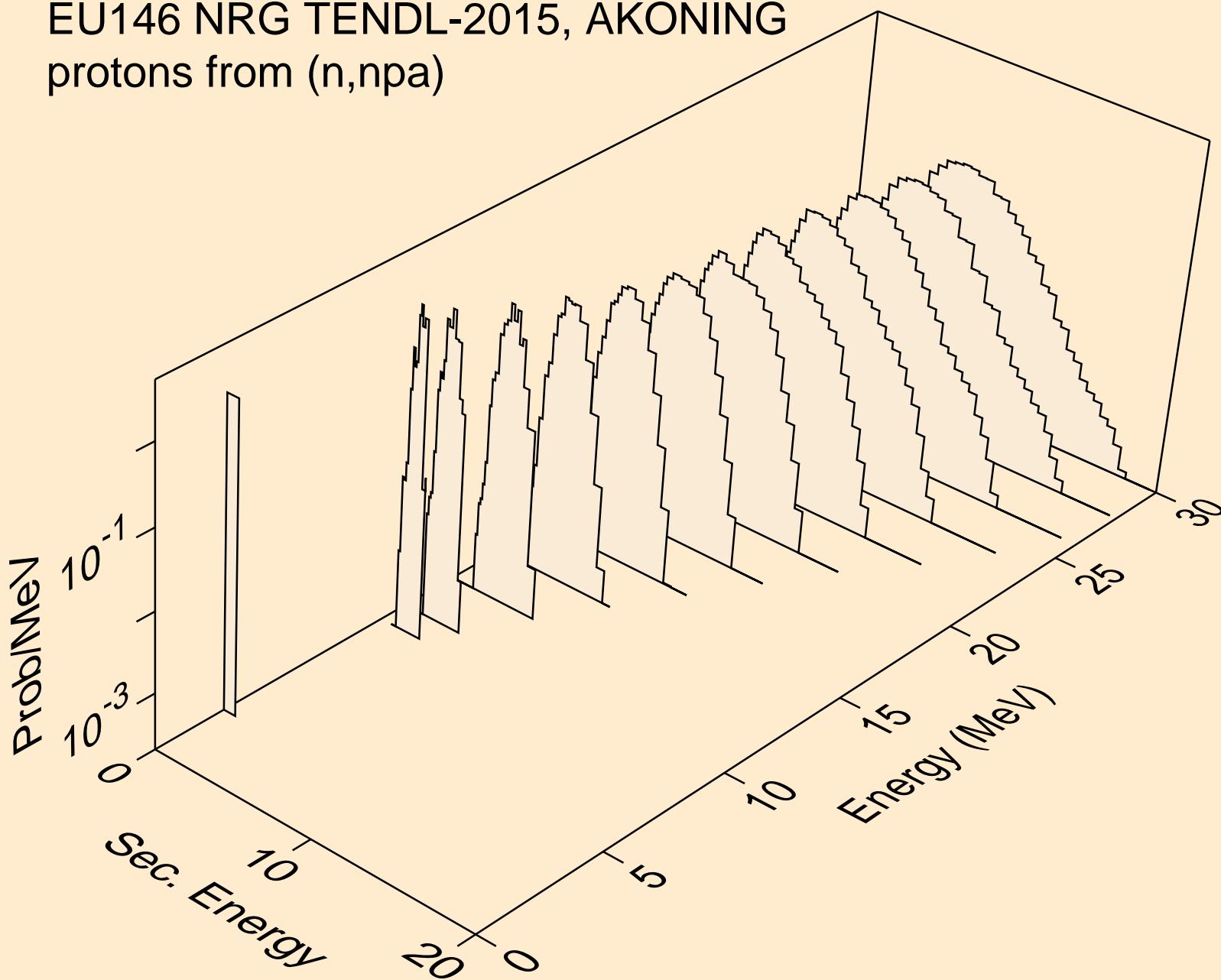
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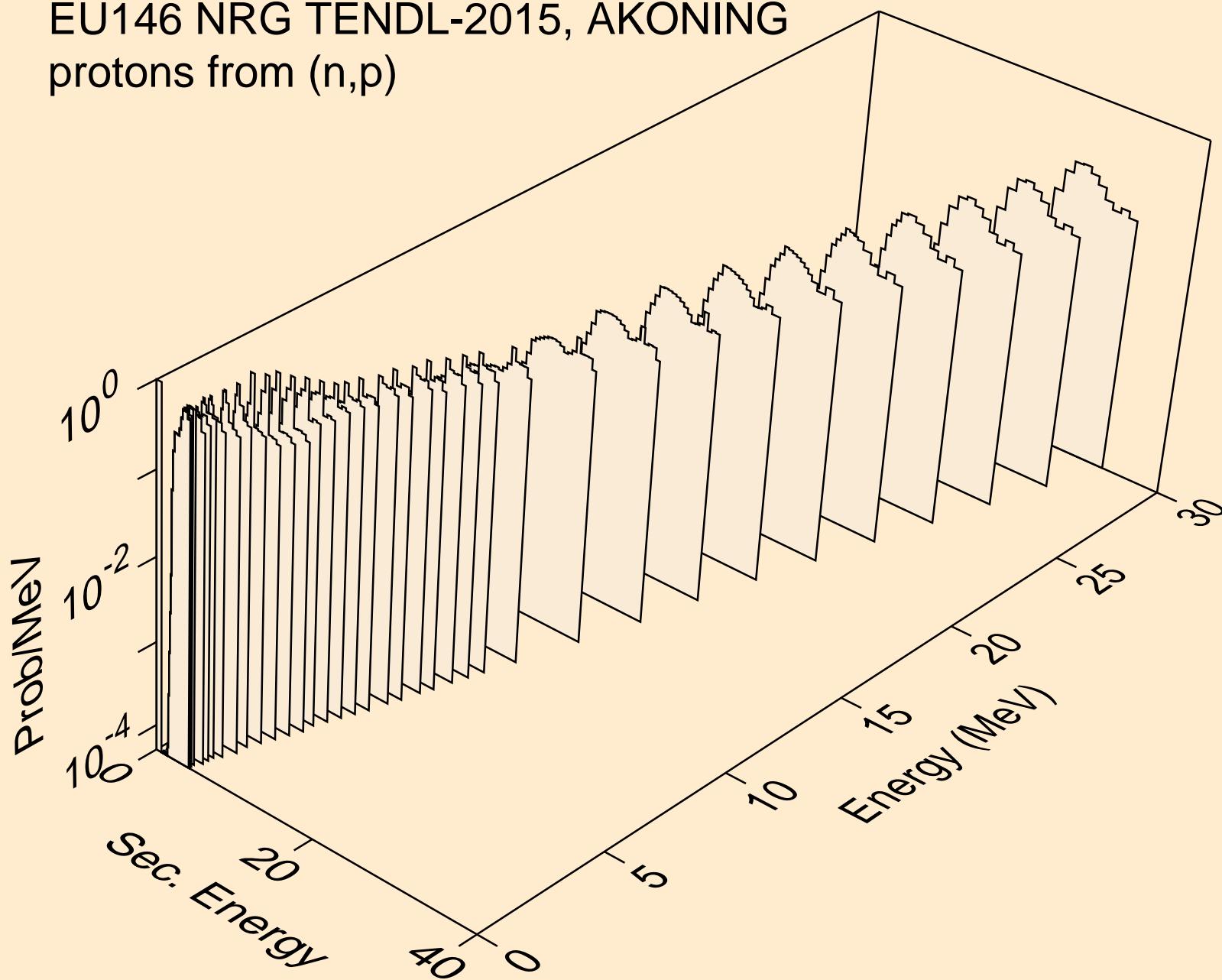
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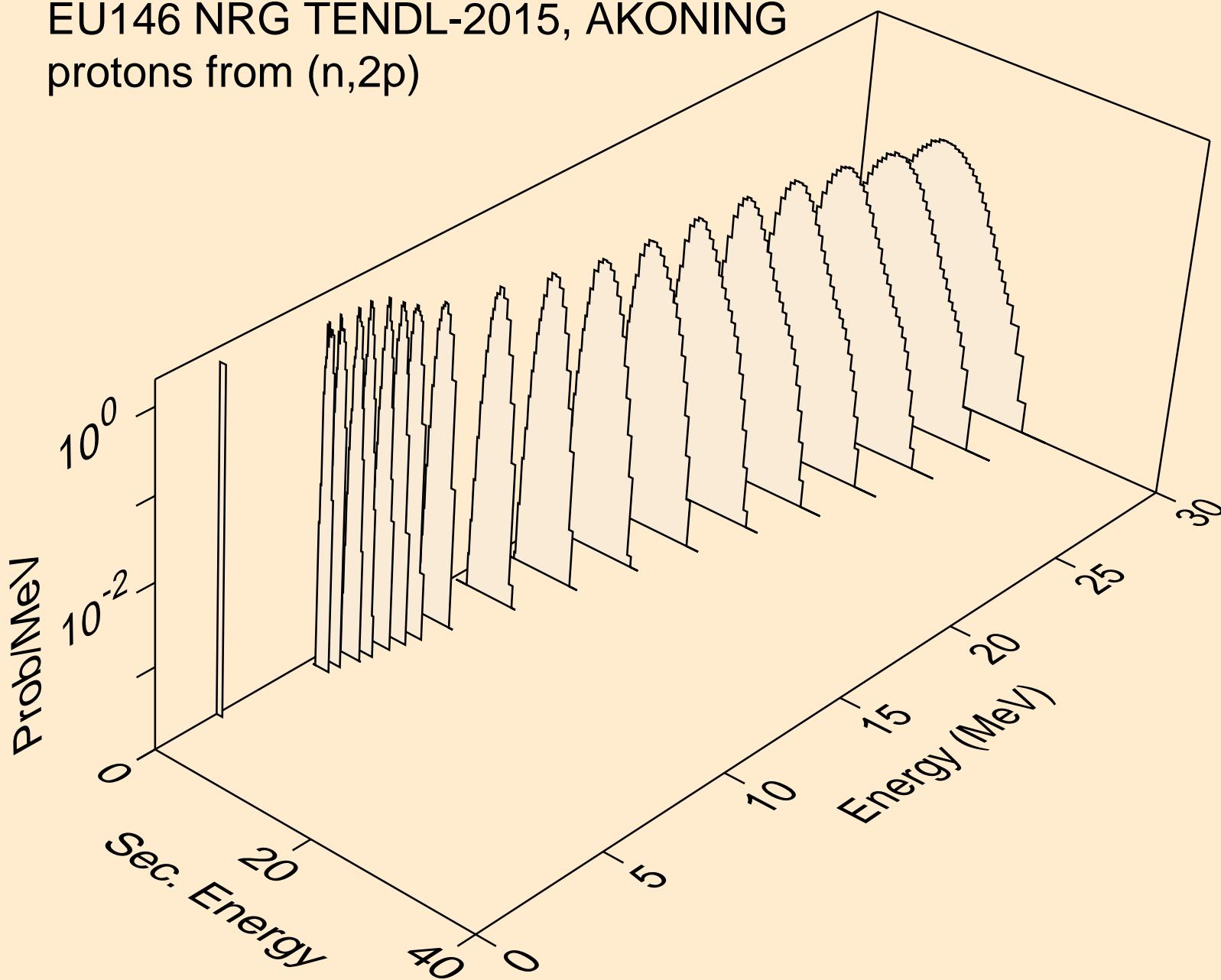
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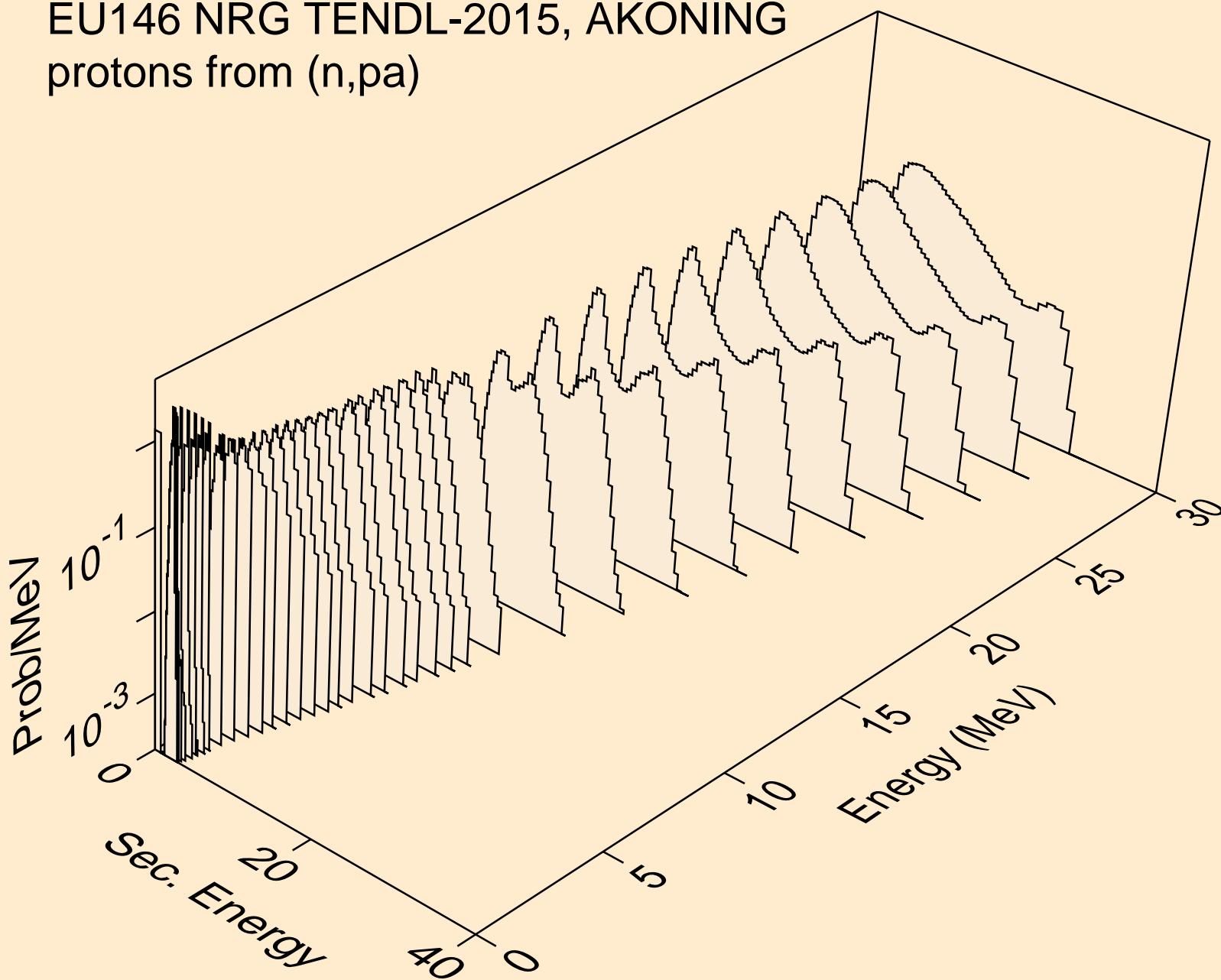
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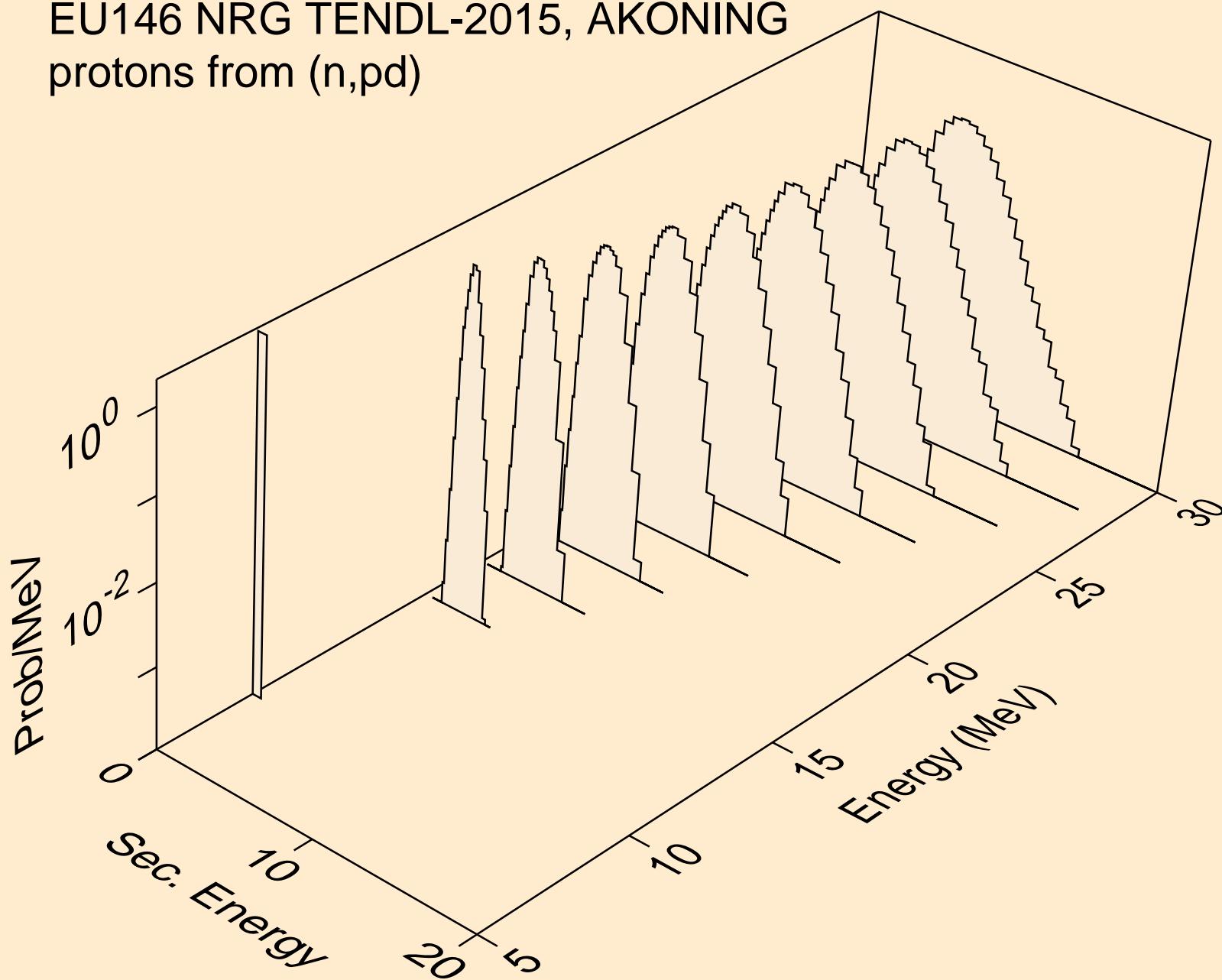
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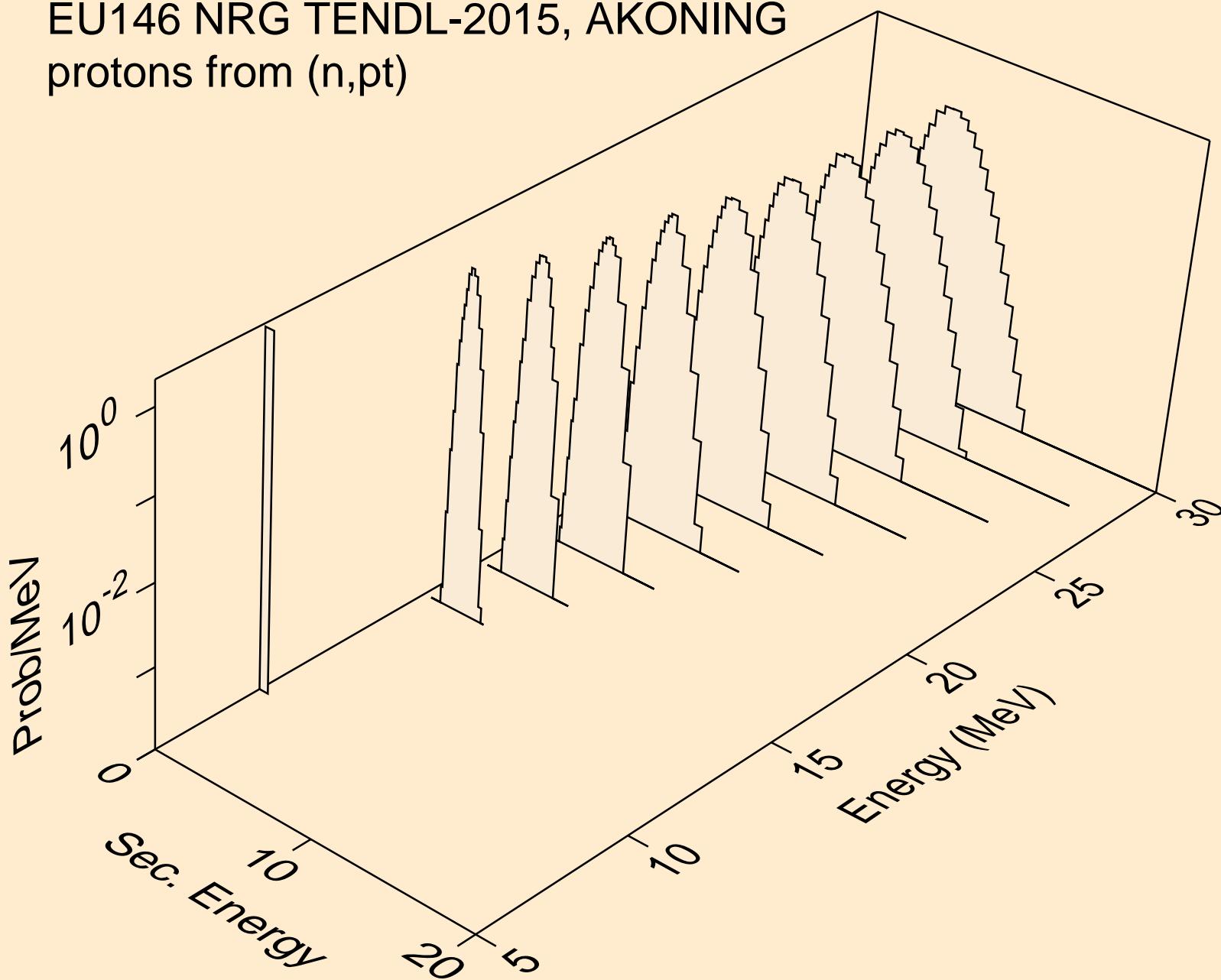
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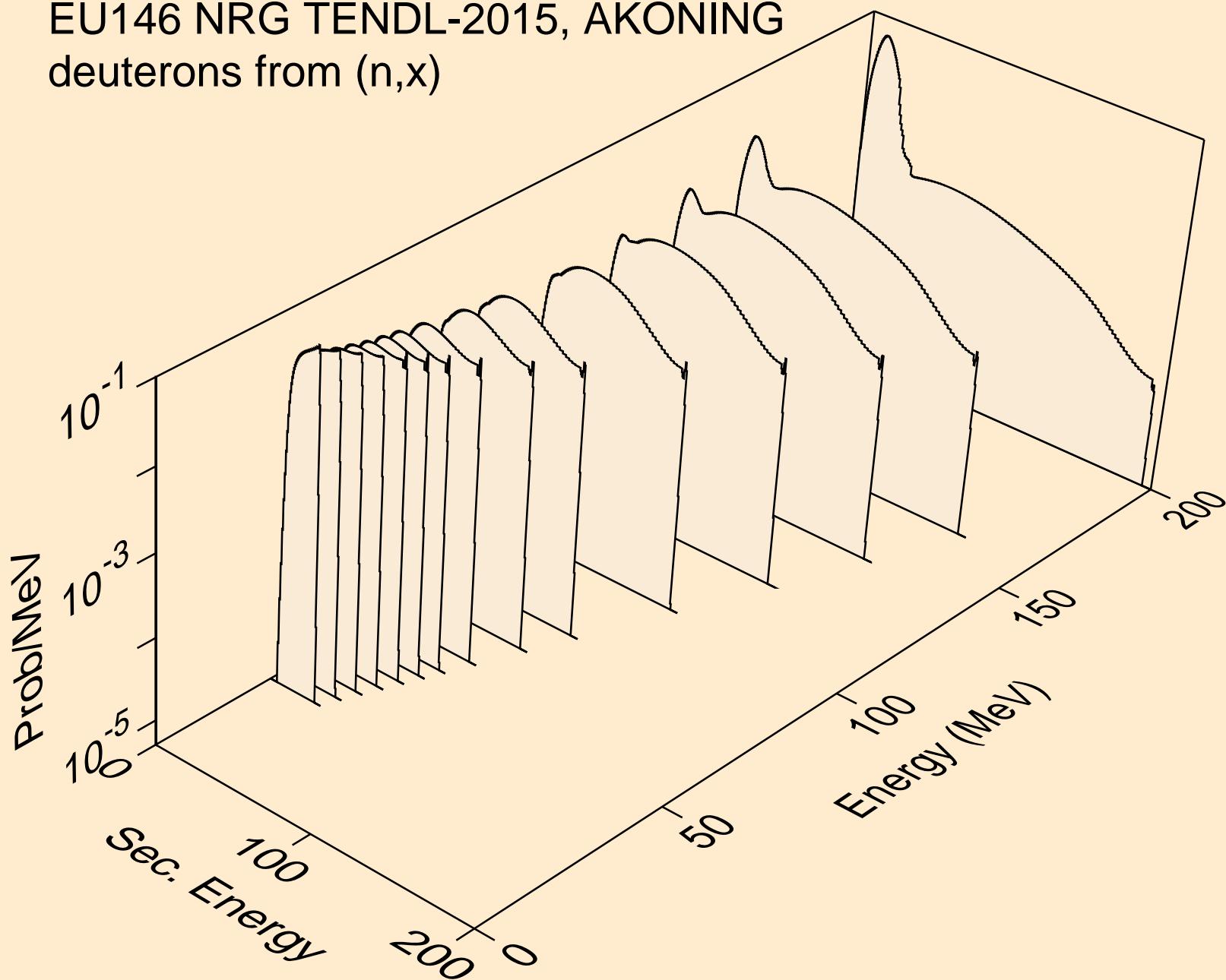
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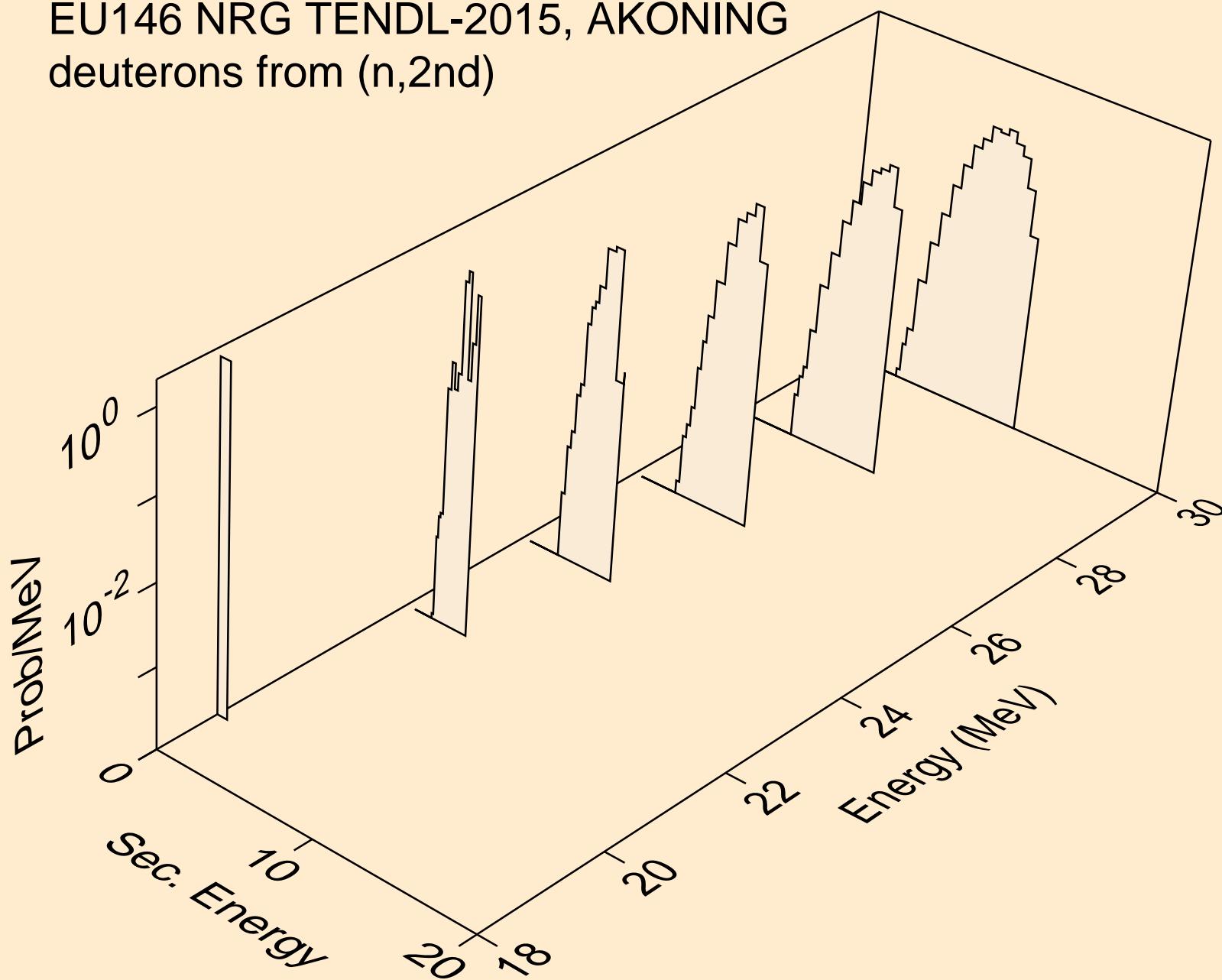
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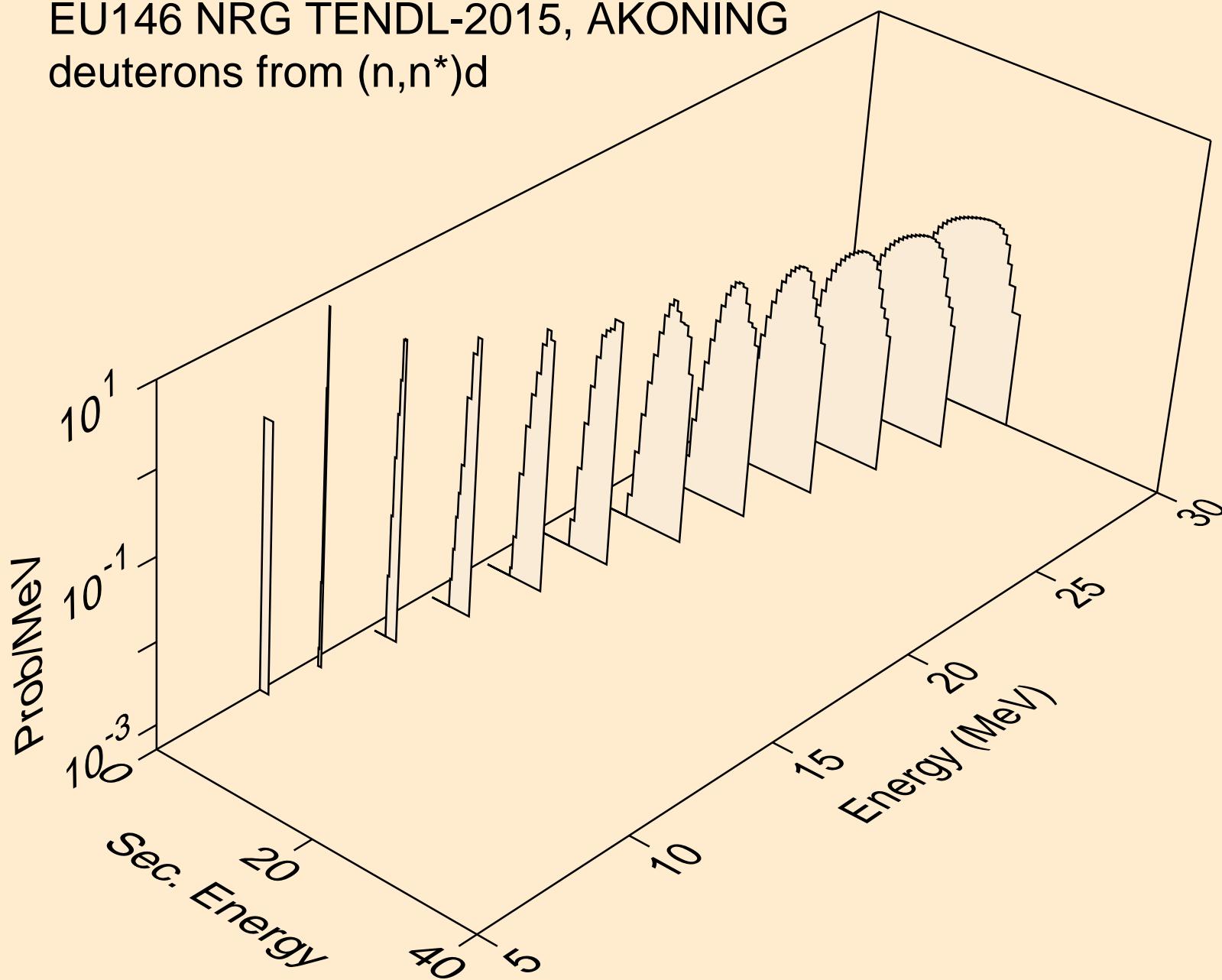
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deuterons from ( $n, x$ )



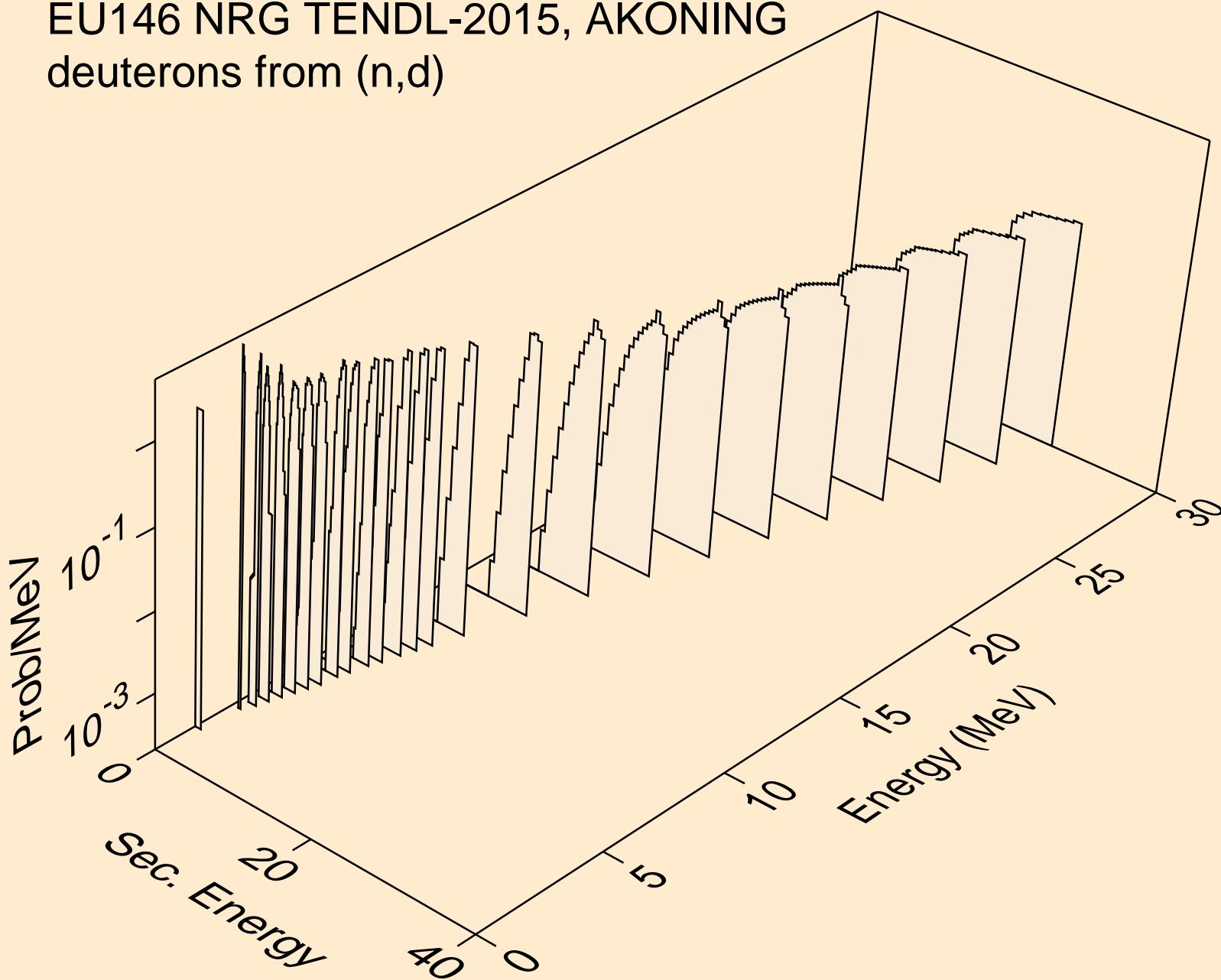
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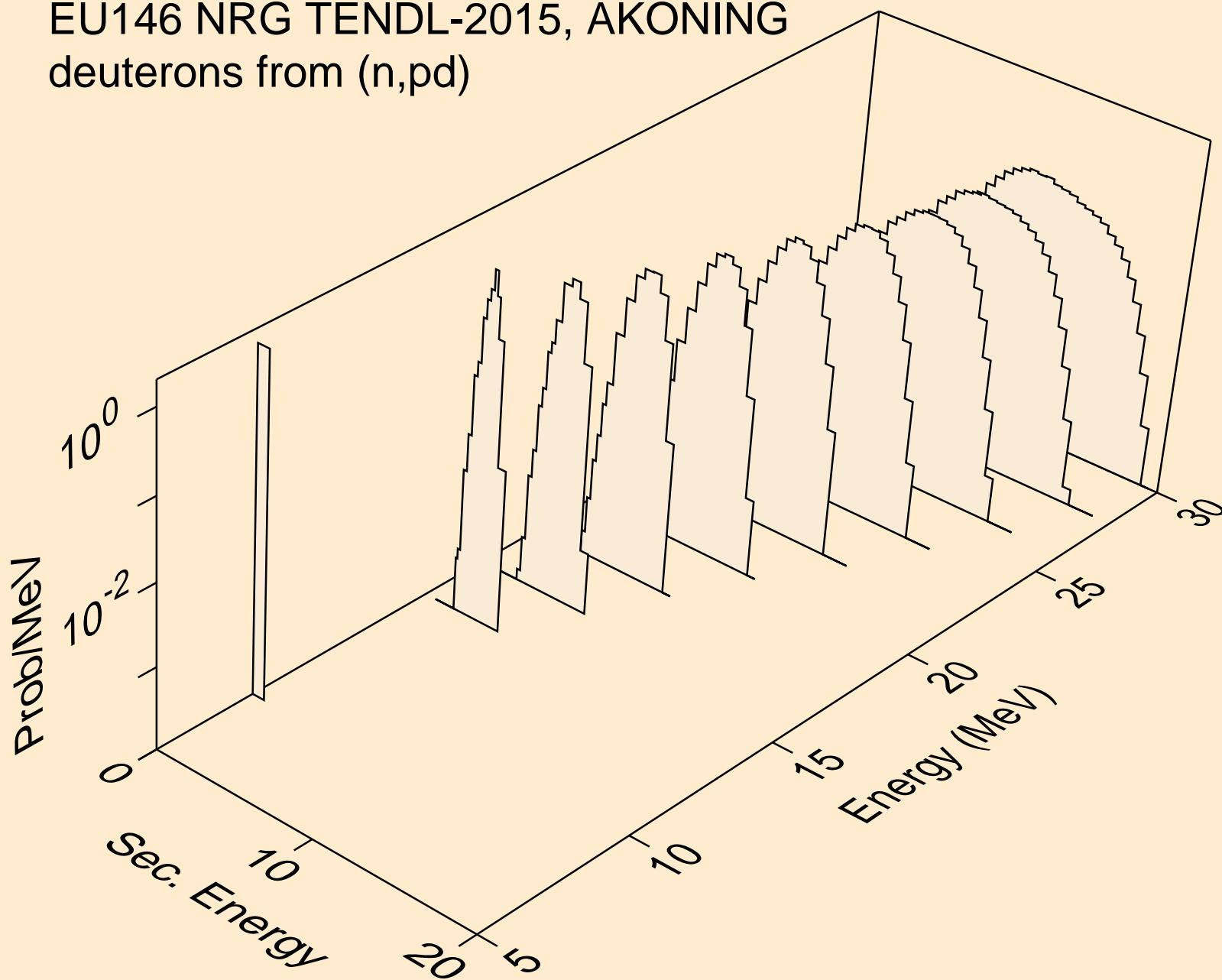
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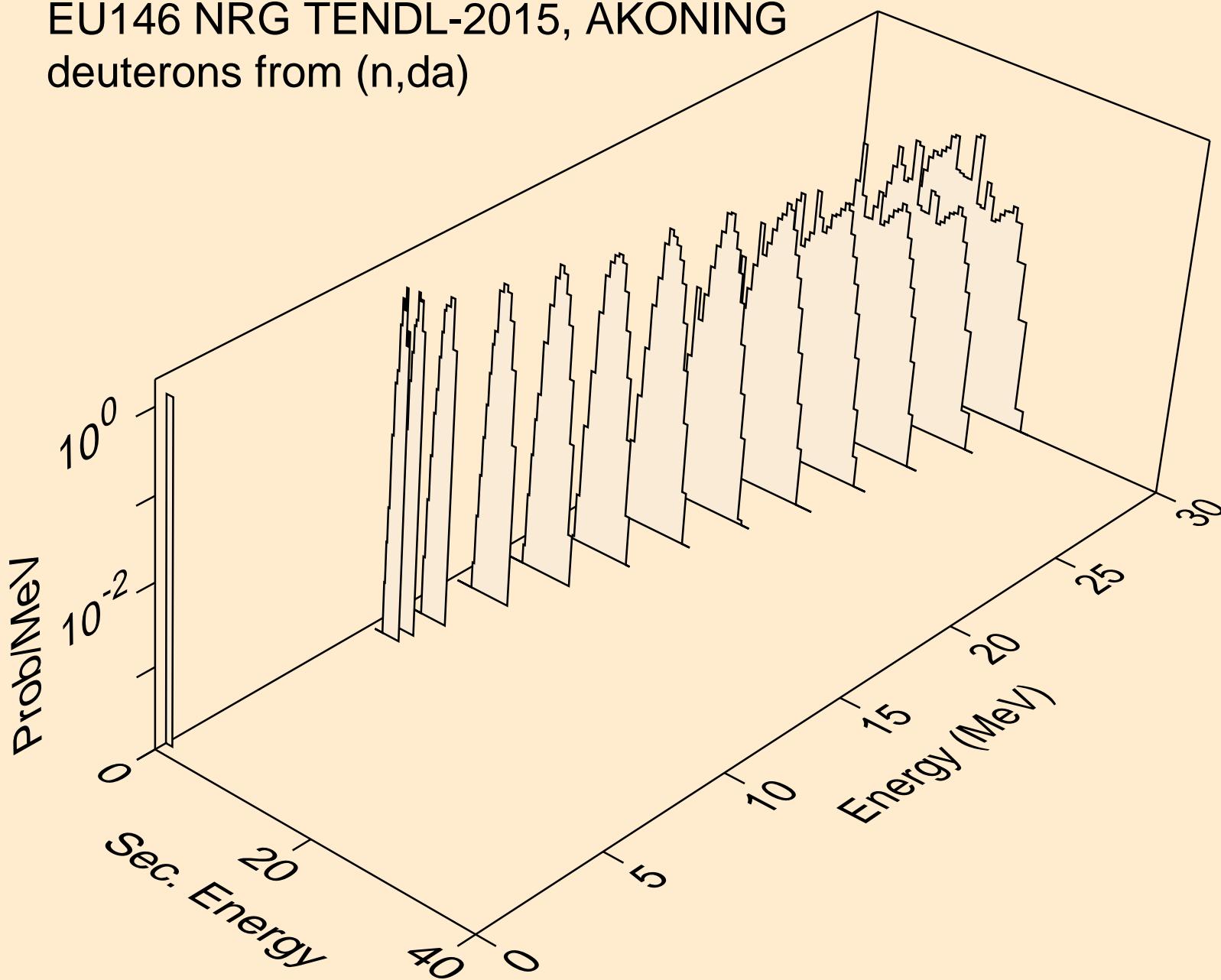
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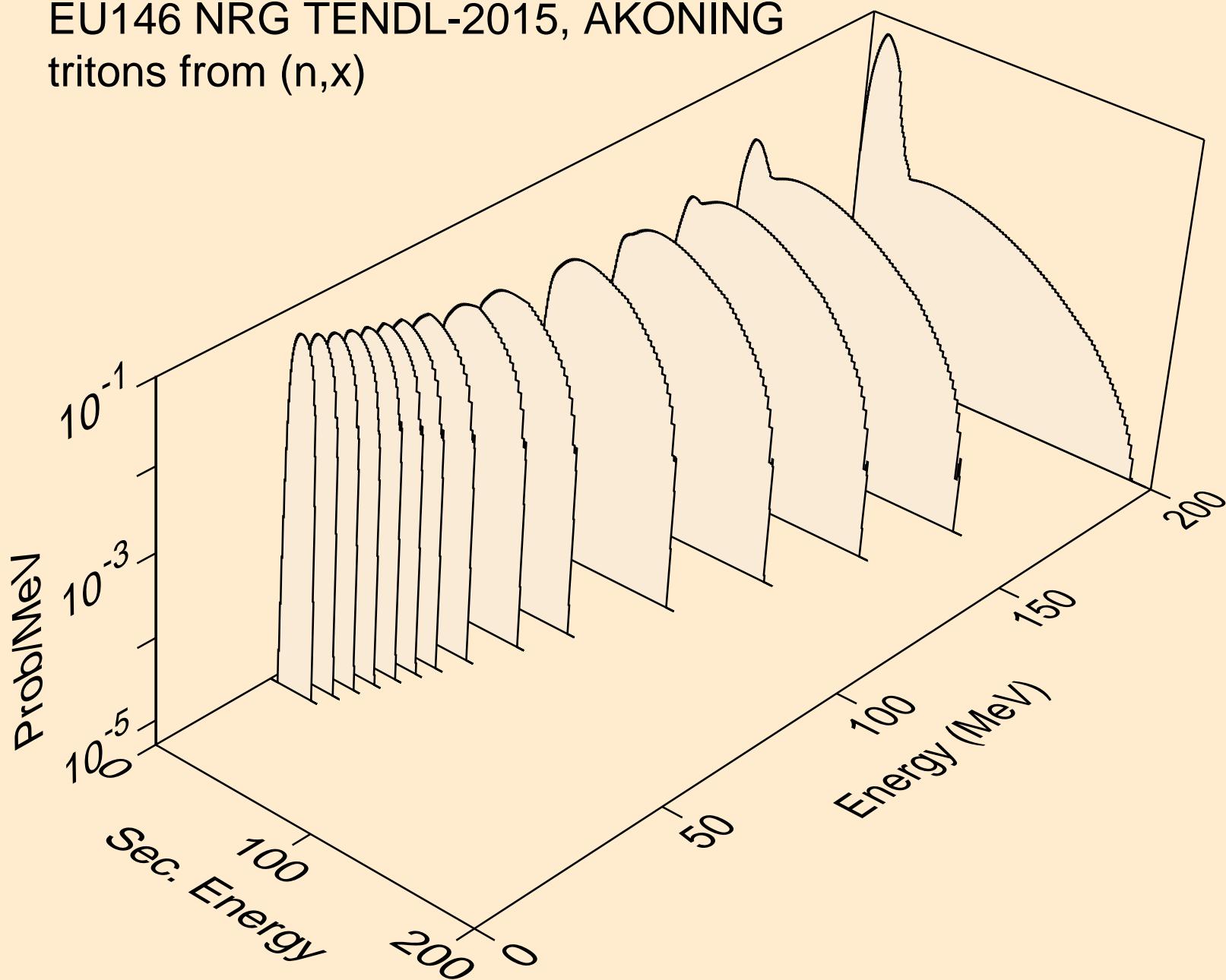
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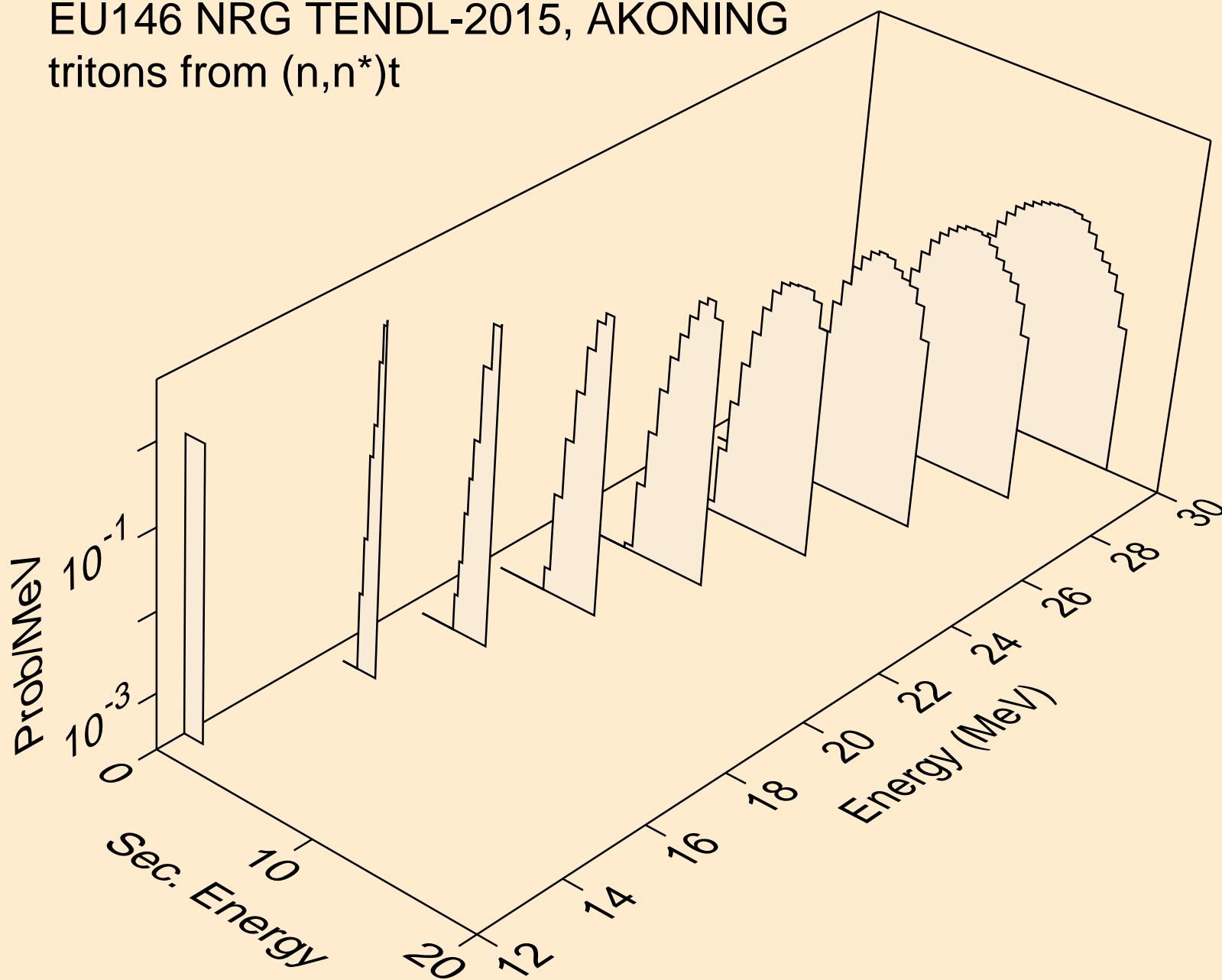
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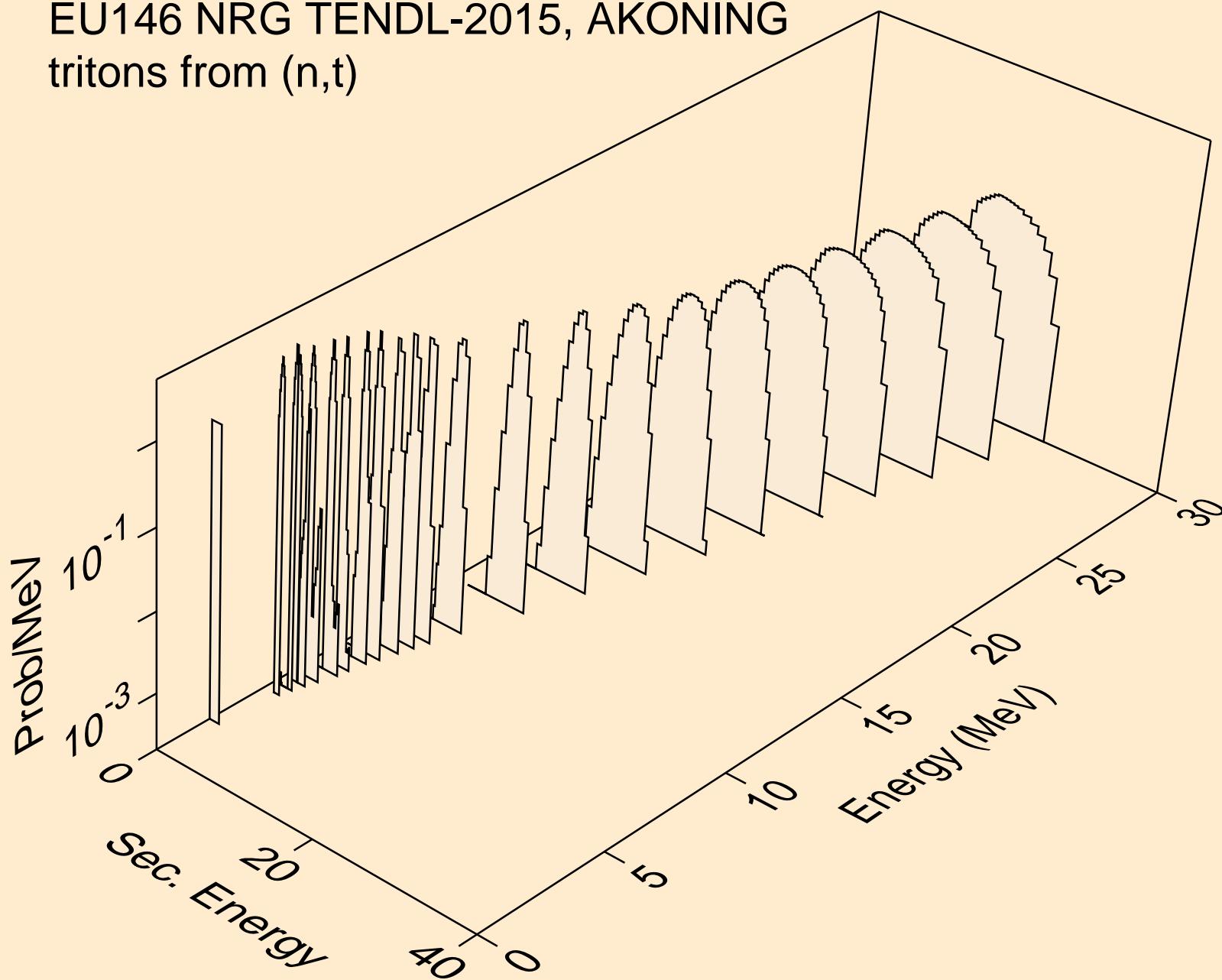
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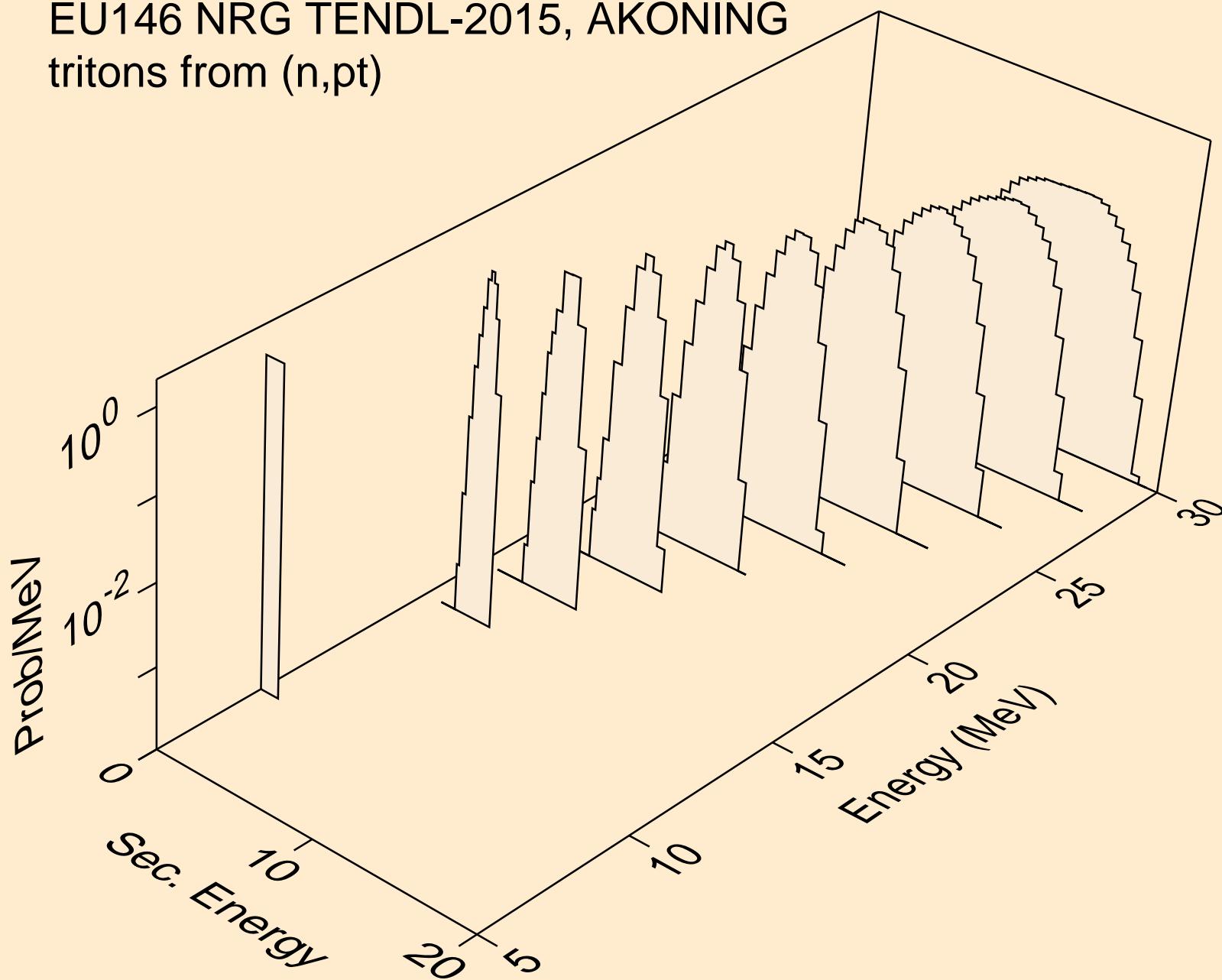
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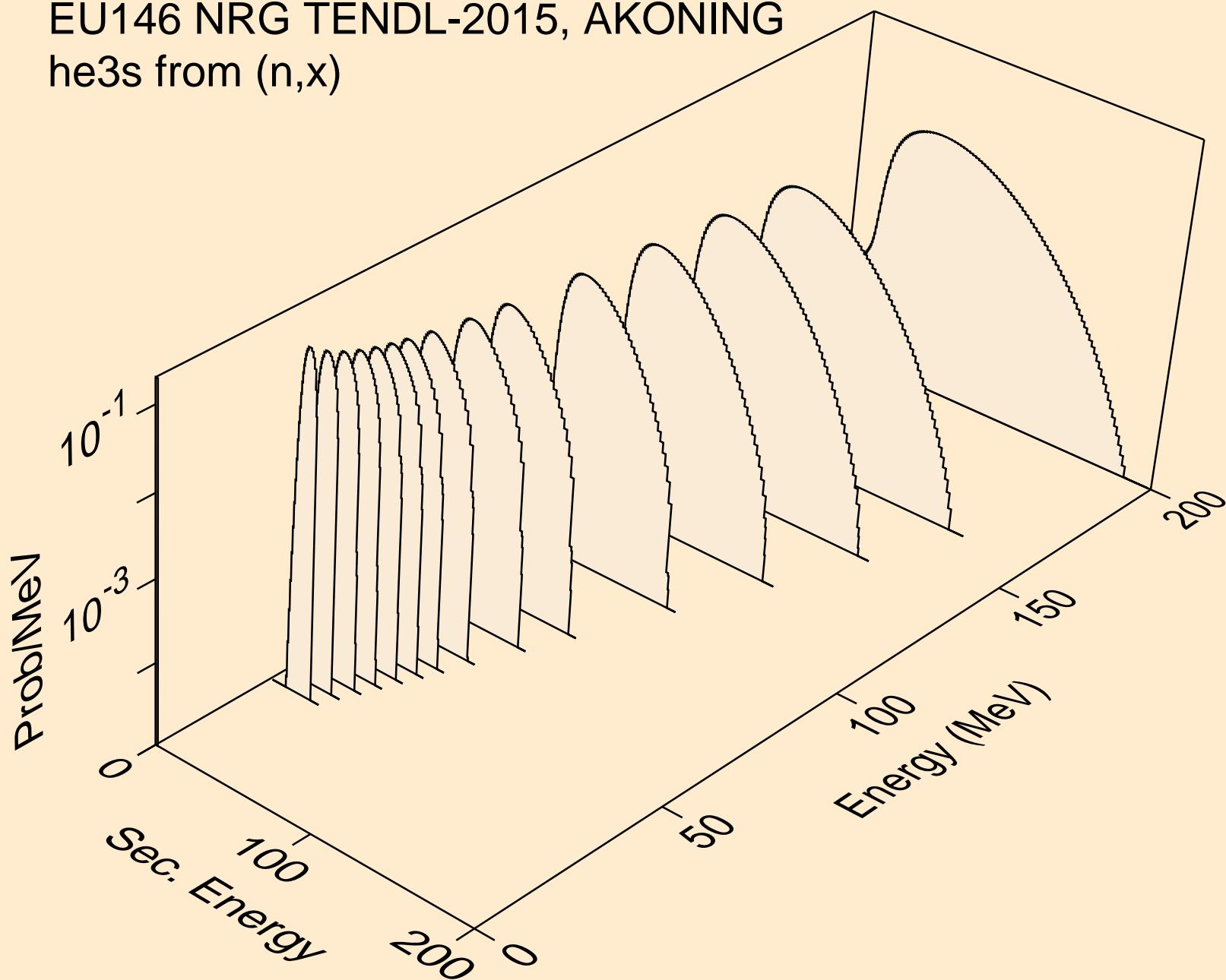
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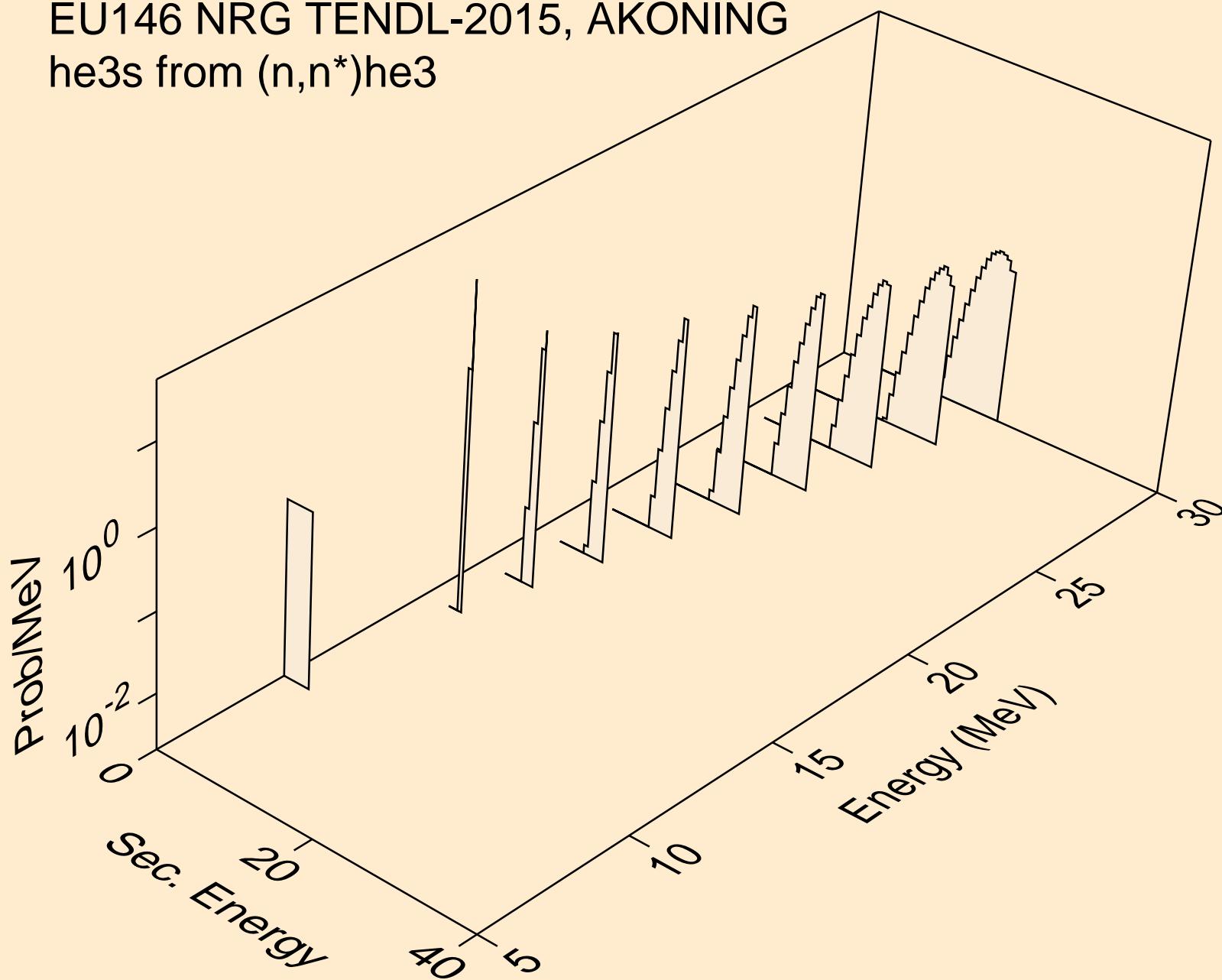
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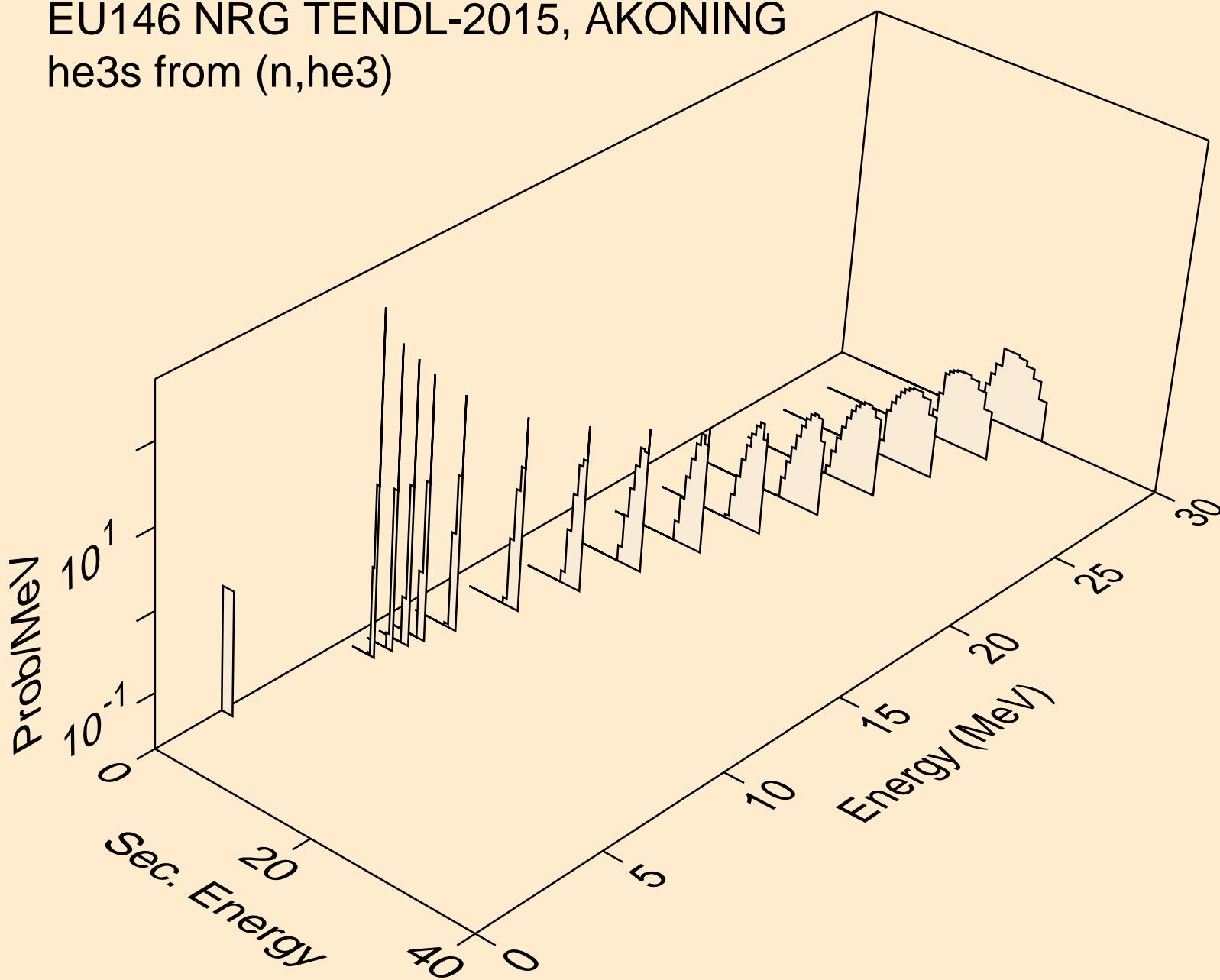
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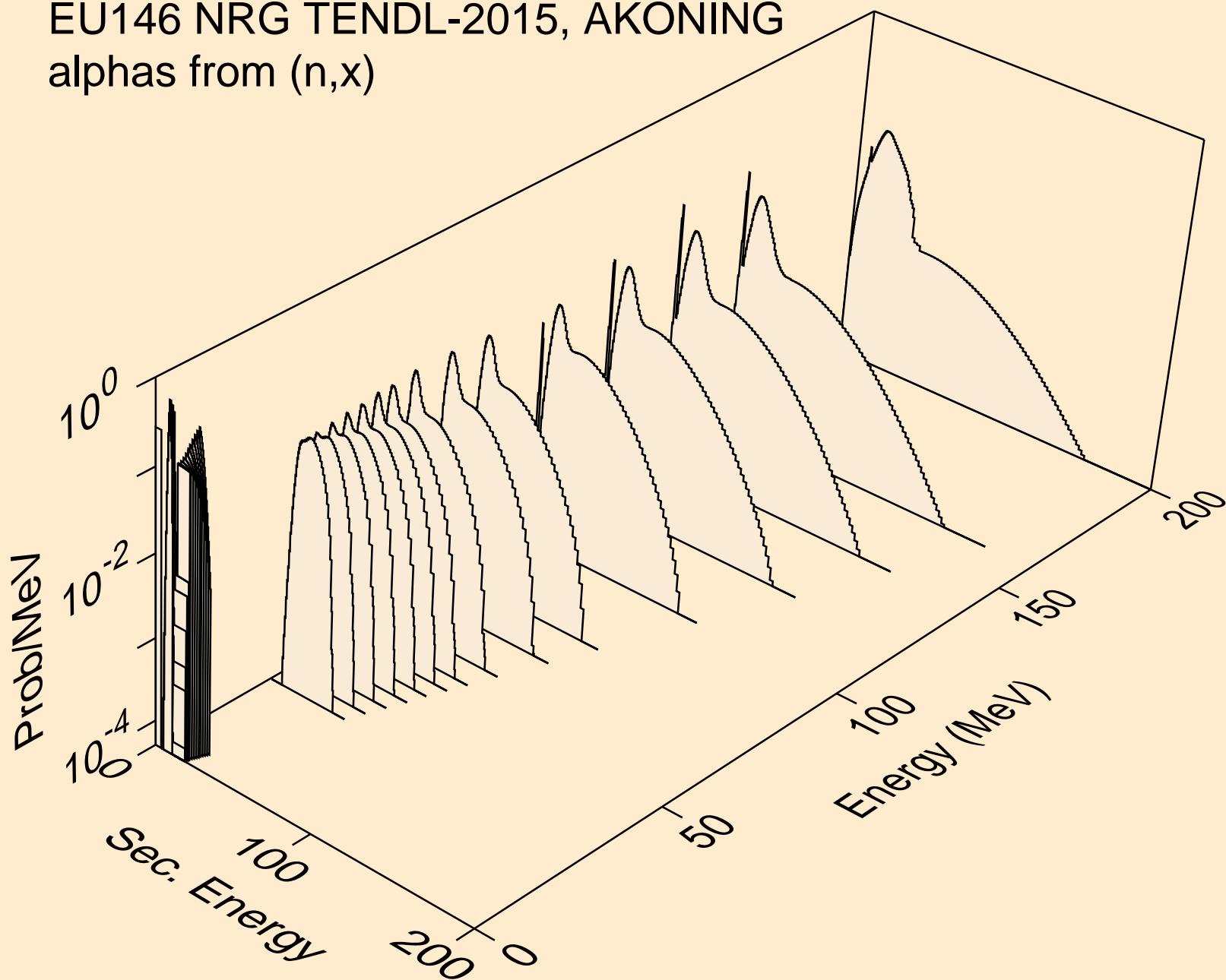
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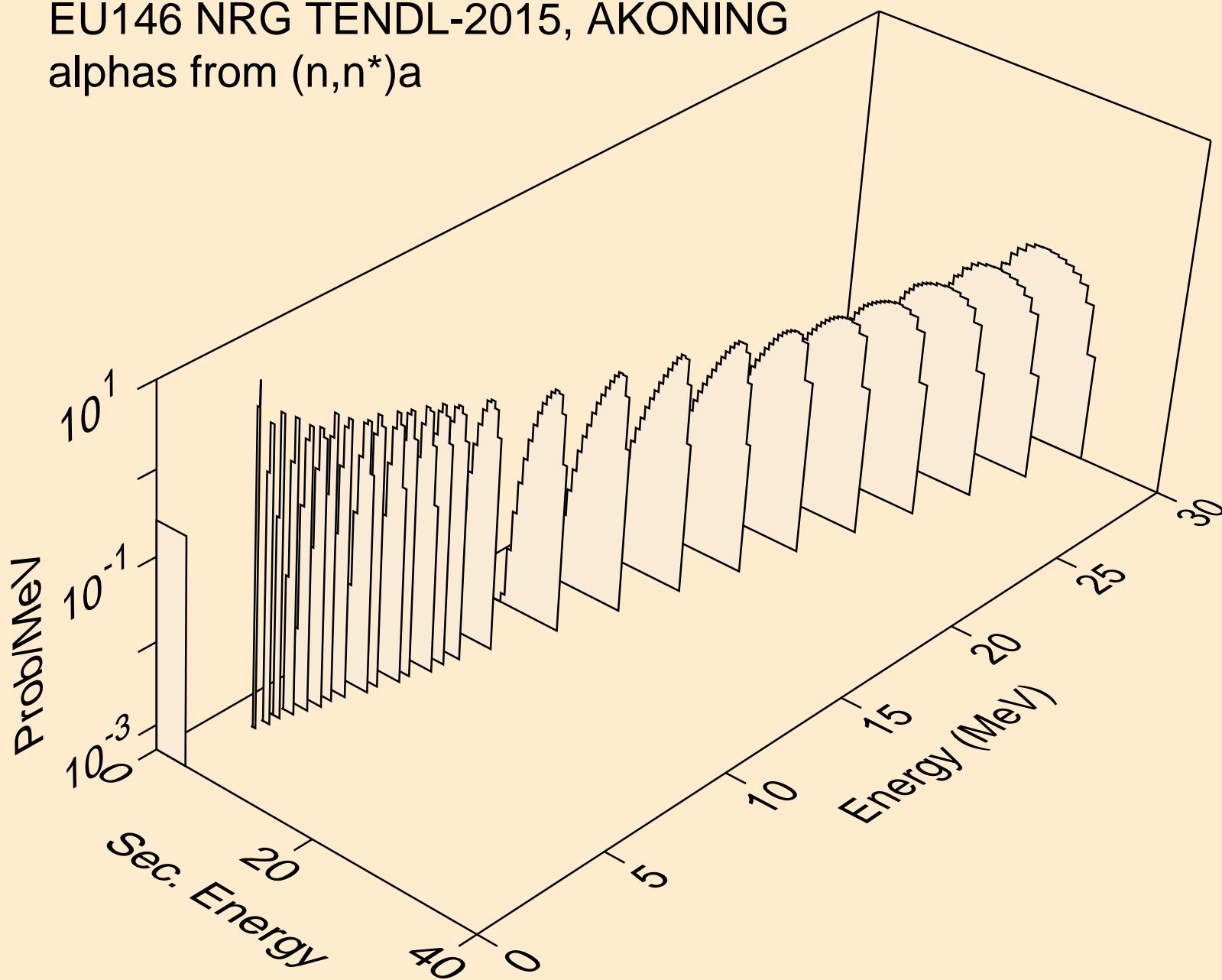
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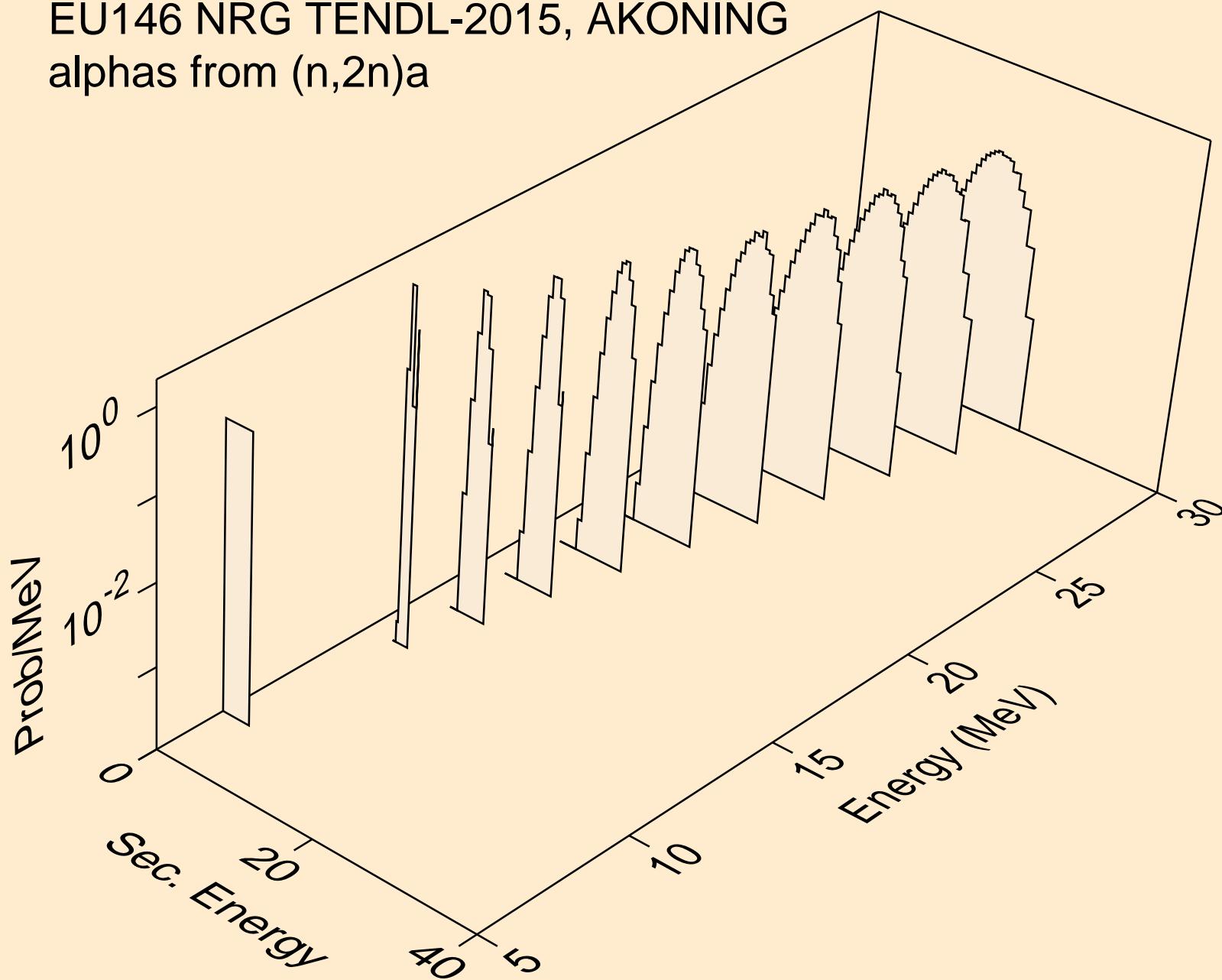
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alphas from (n,x)



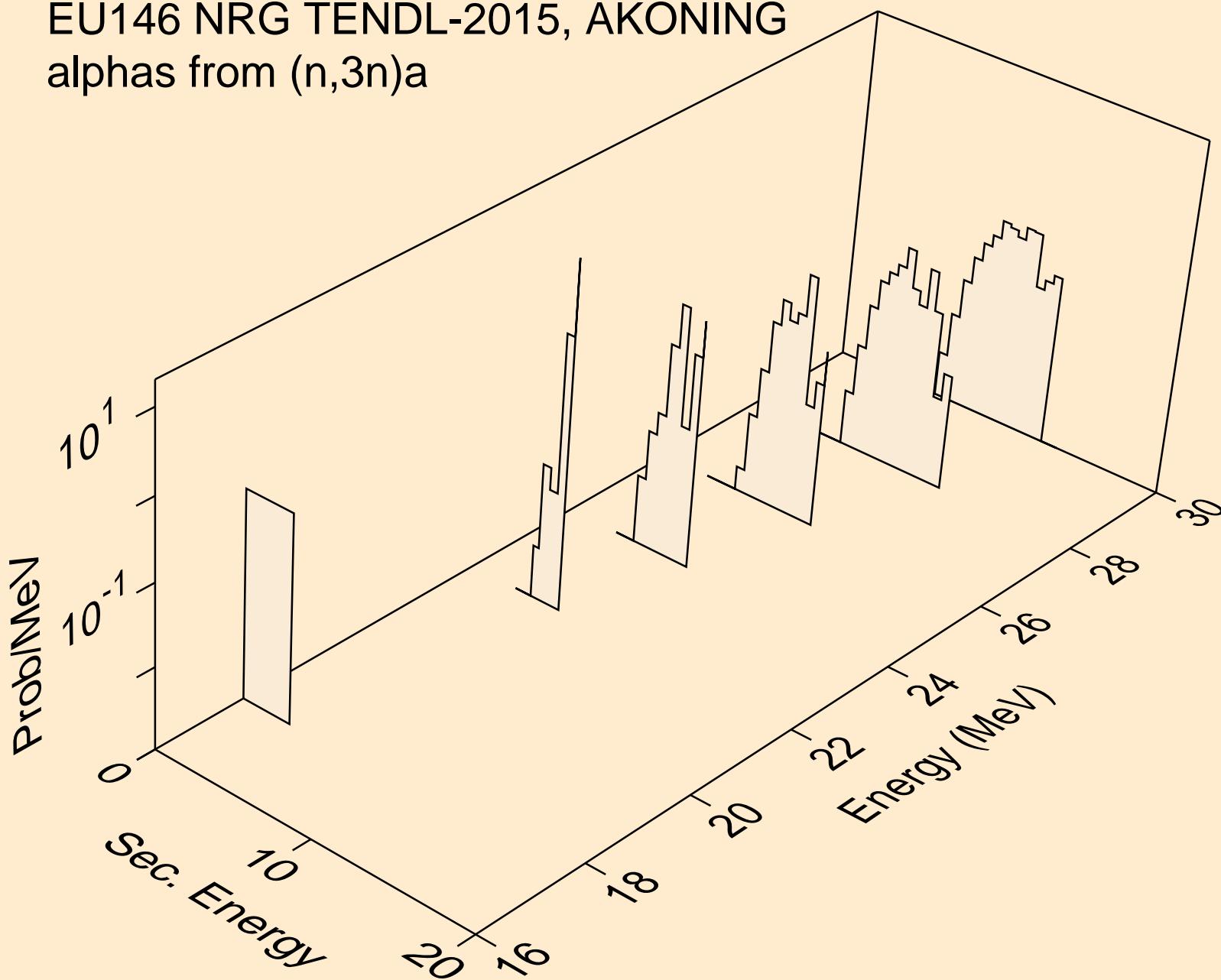
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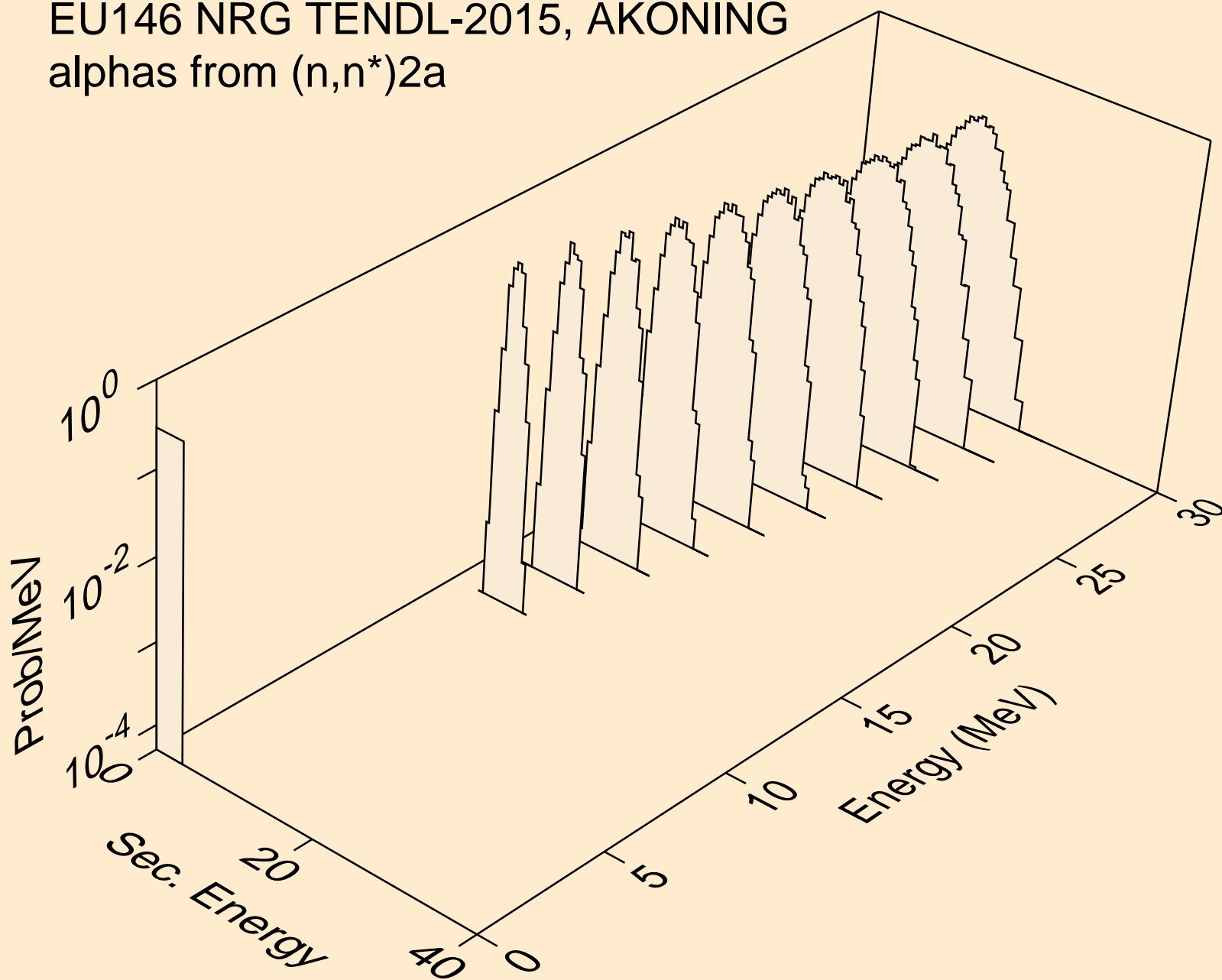
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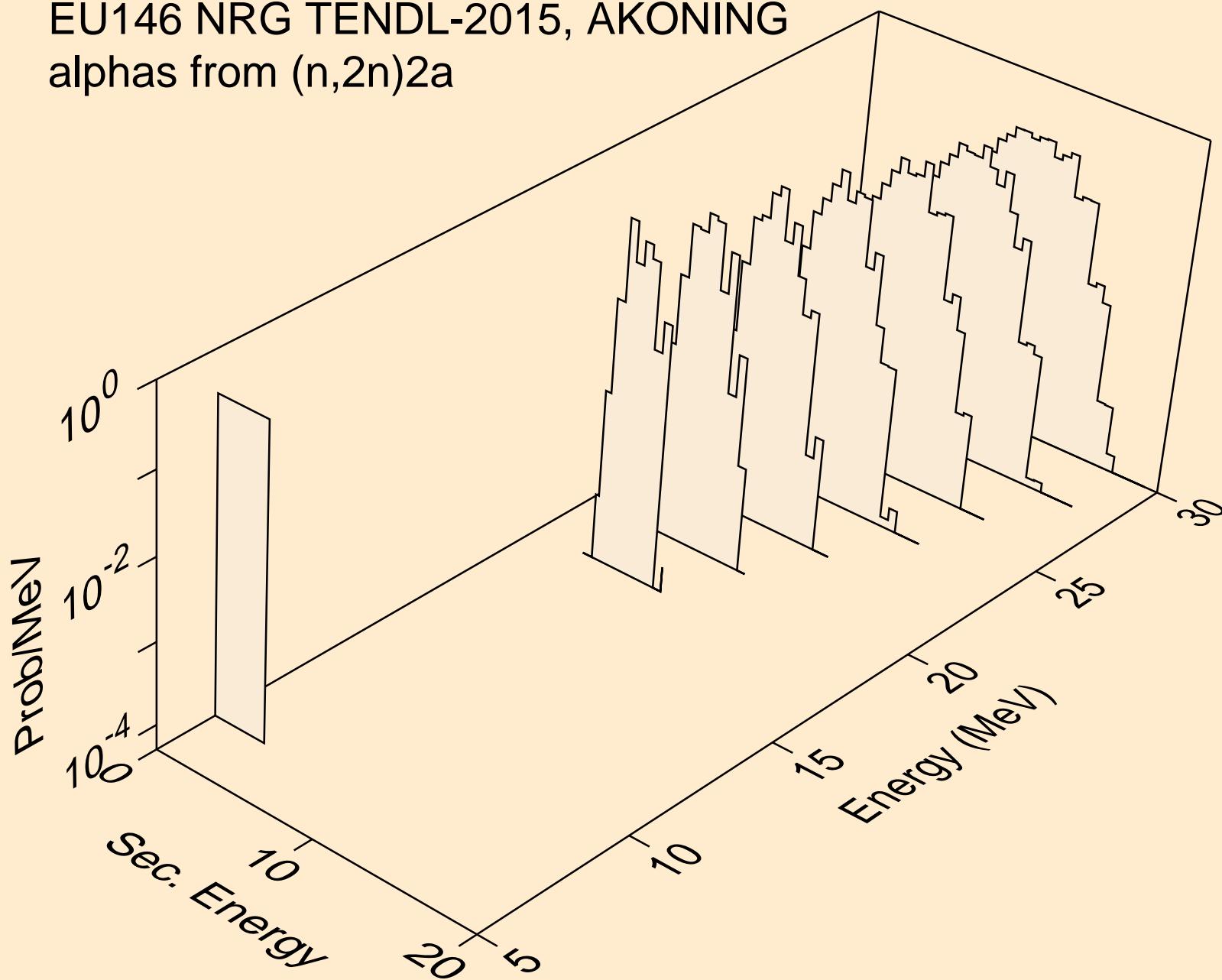
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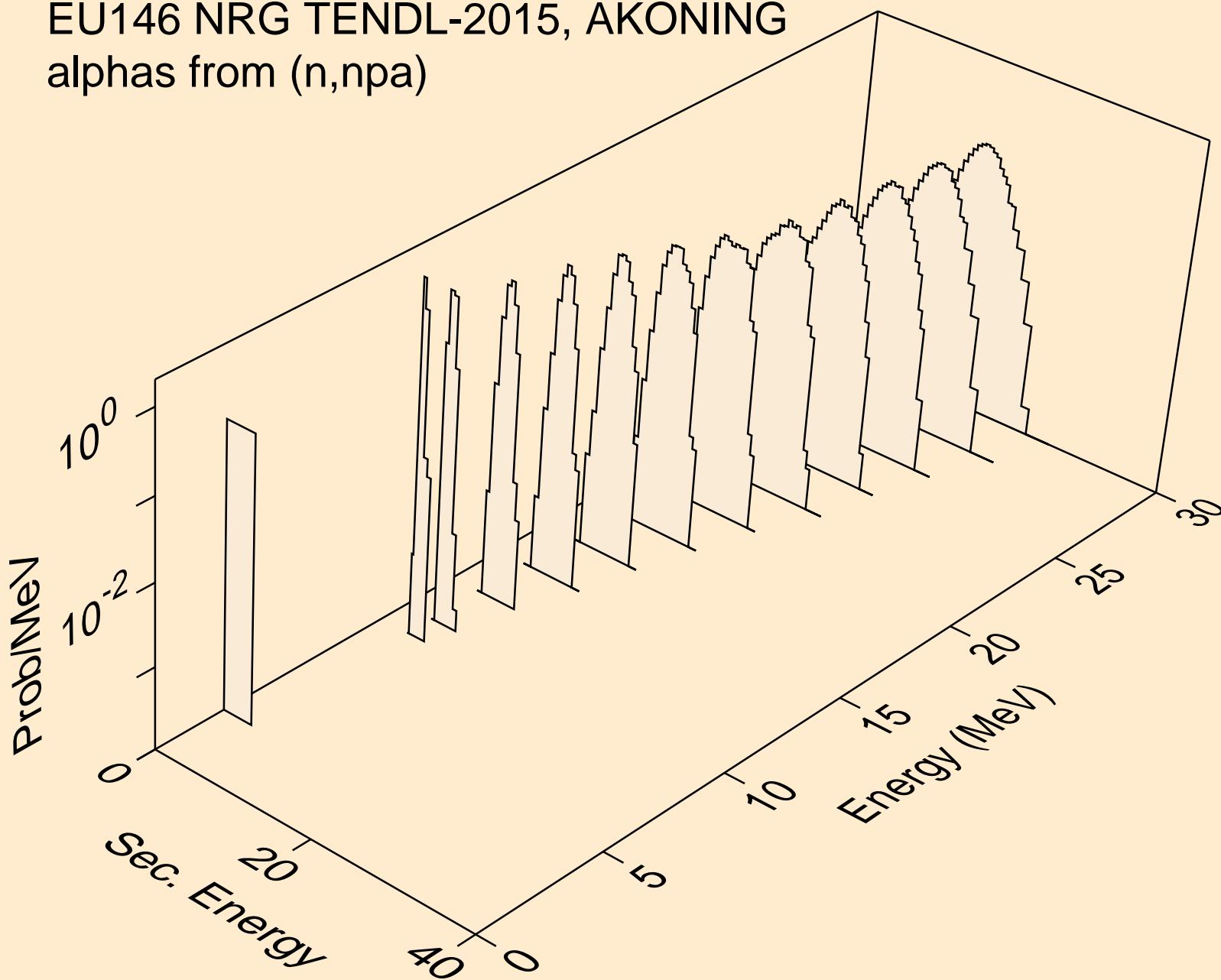
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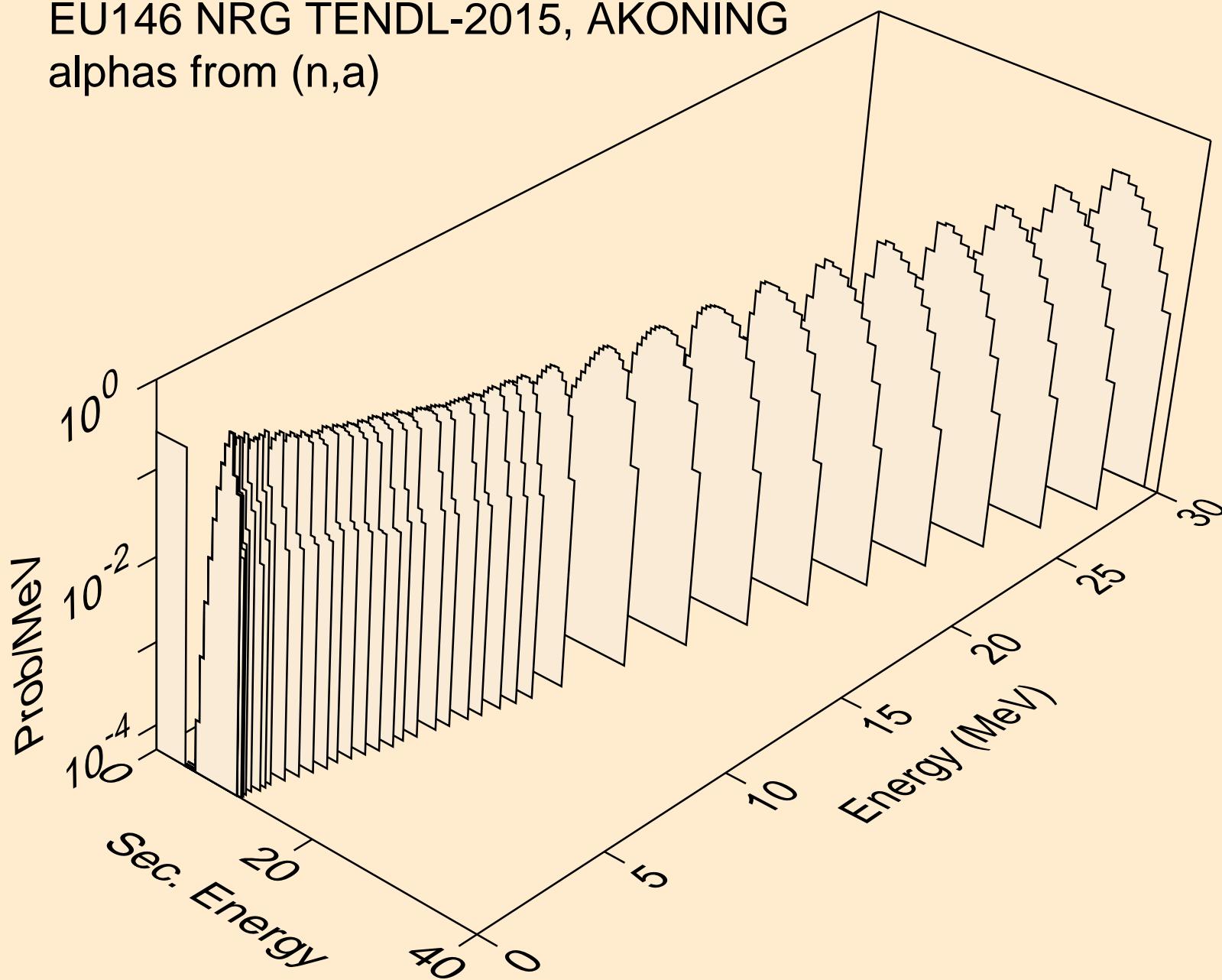
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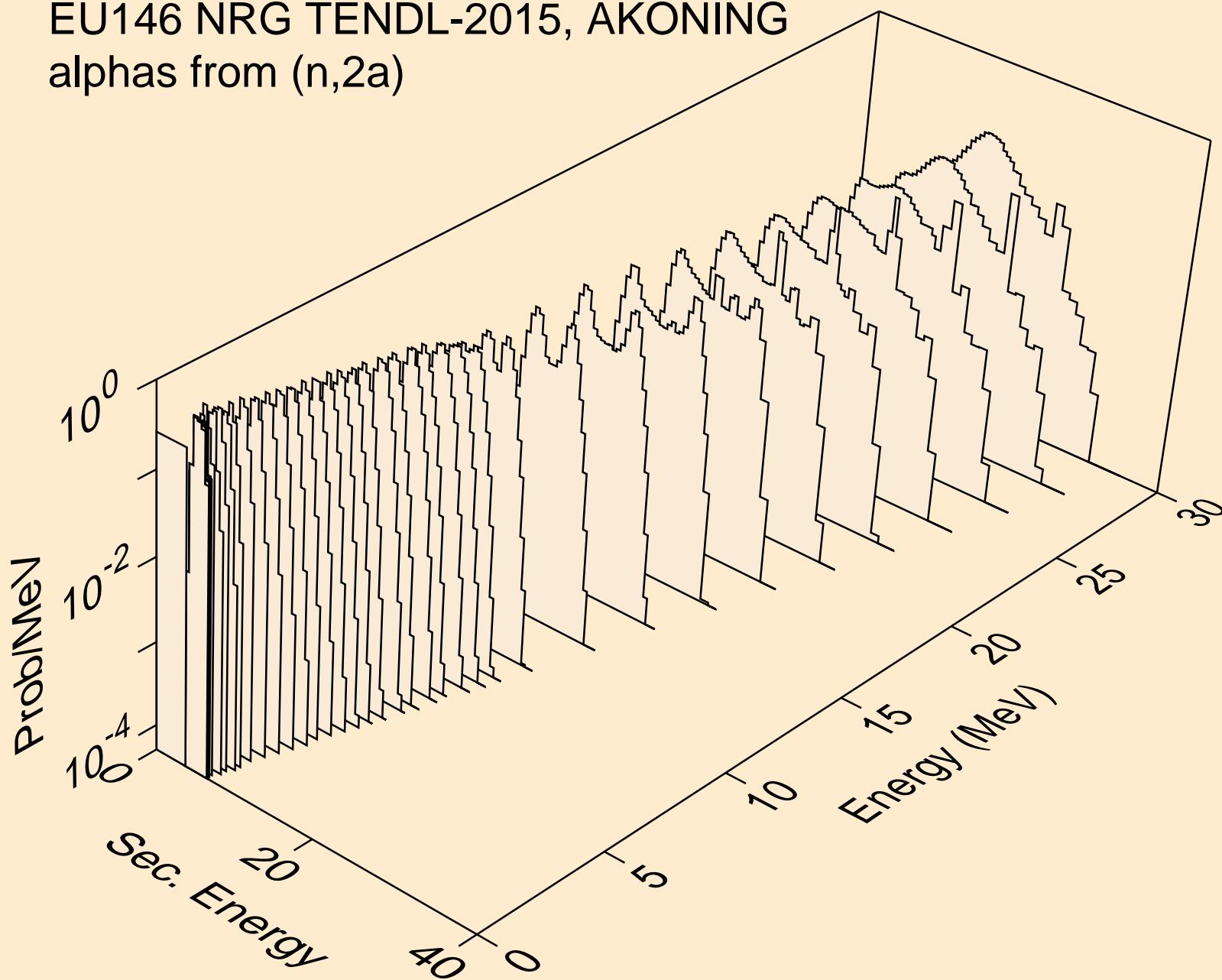
EU146 NRG TENDL-2015, AKONING  
alphas from (n,npa)



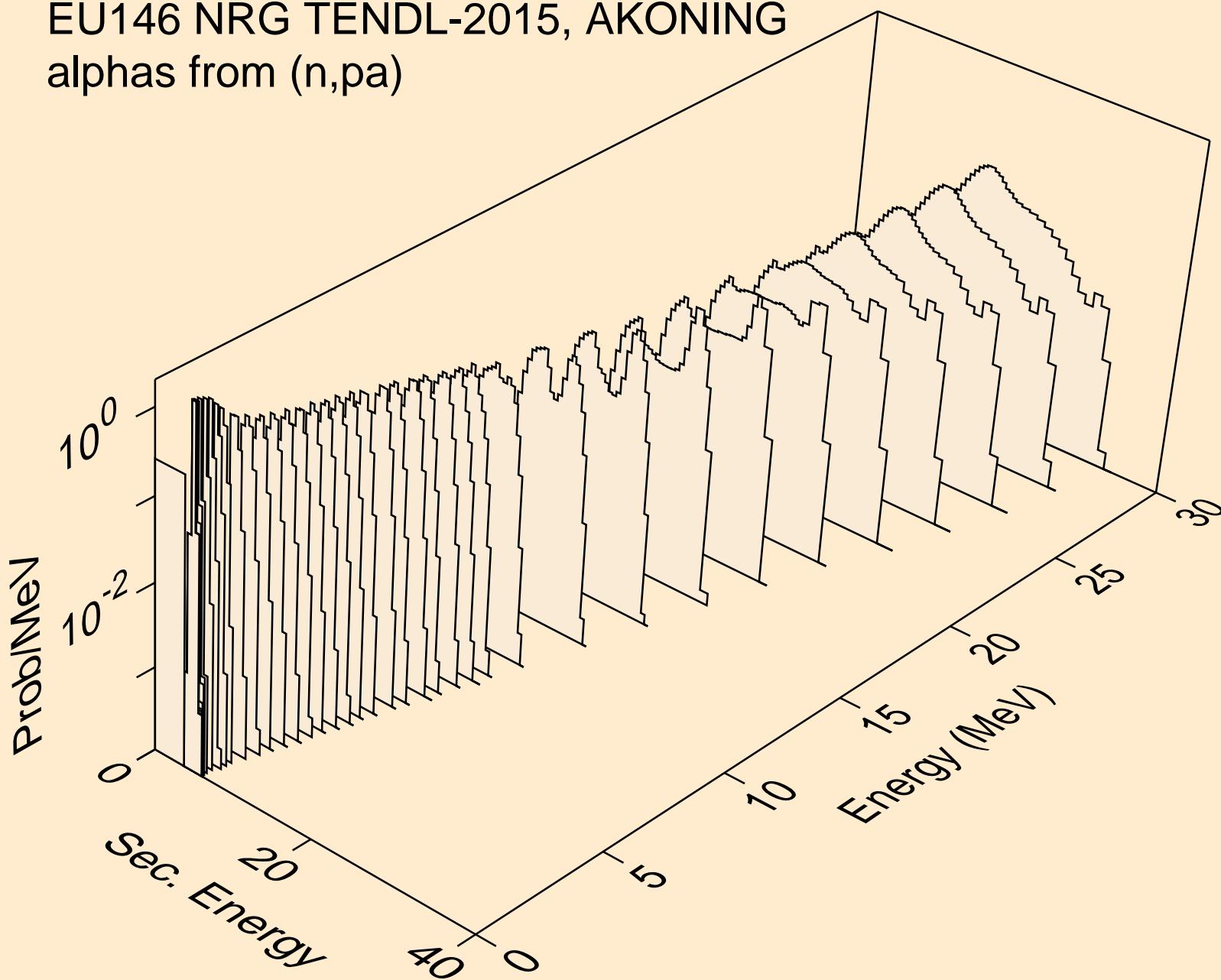
EU146 NRG TENDL-2015, AKONING  
alphas from (n,a)



EU146 NRG TENDL-2015, AKONING  
alphas from ( $n,2a$ )



EU146 NRG TENDL-2015, AKONING  
alphas from (n,pa)



EU146 NRG TENDL-2015, AKONING  
alphas from (n,da)

