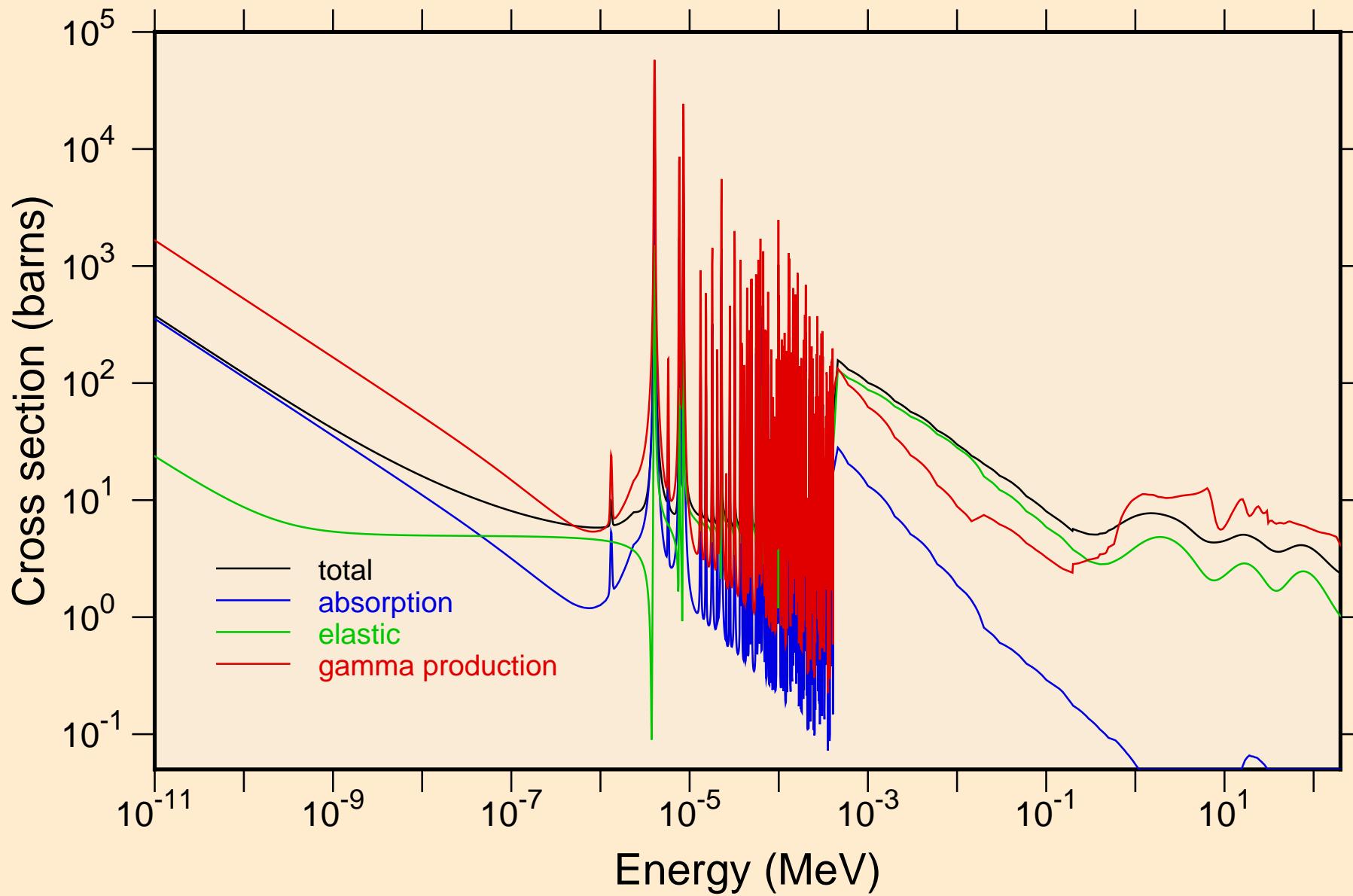
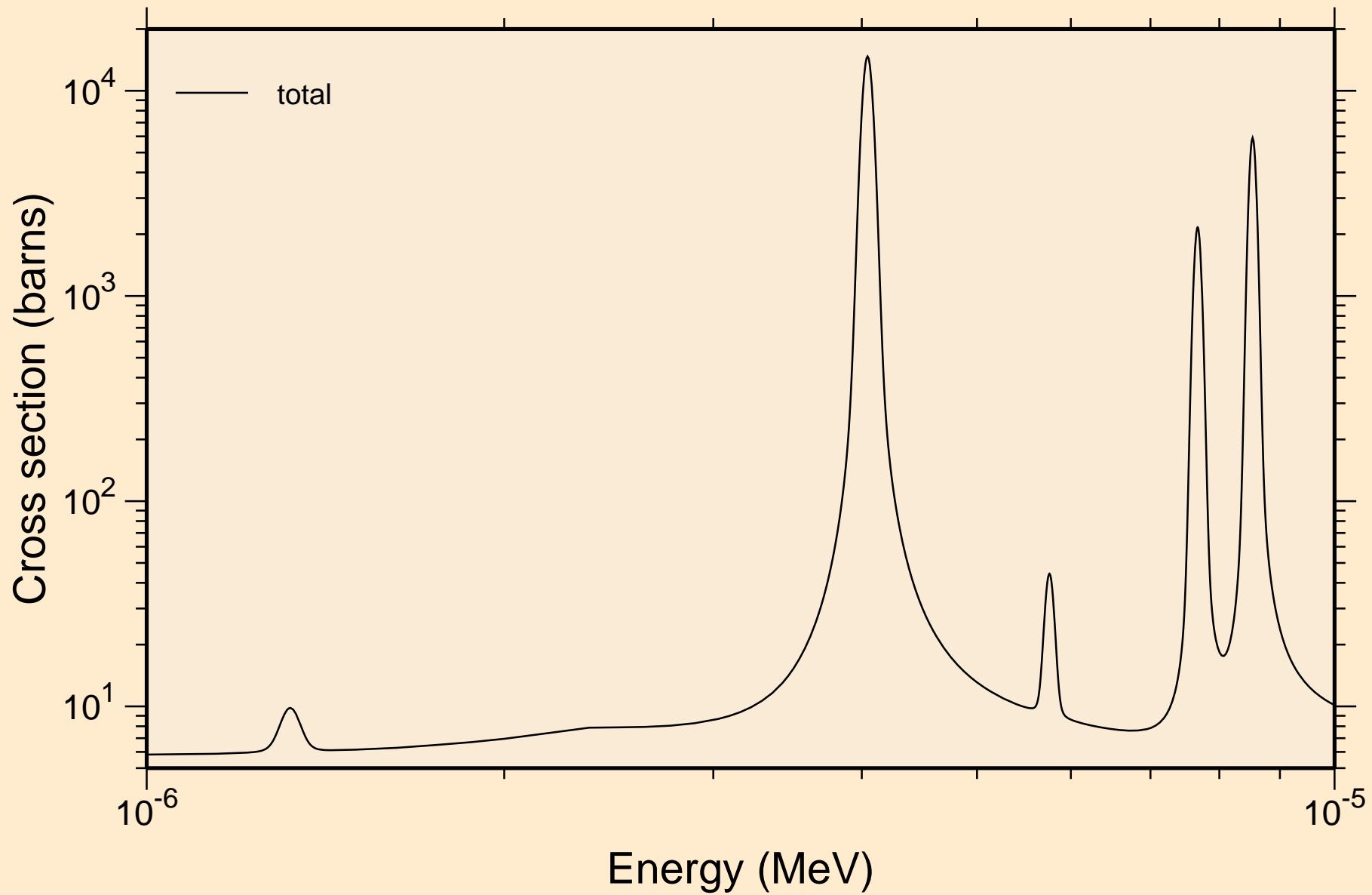


# EU150M NRG TENDL-2015, AKONING

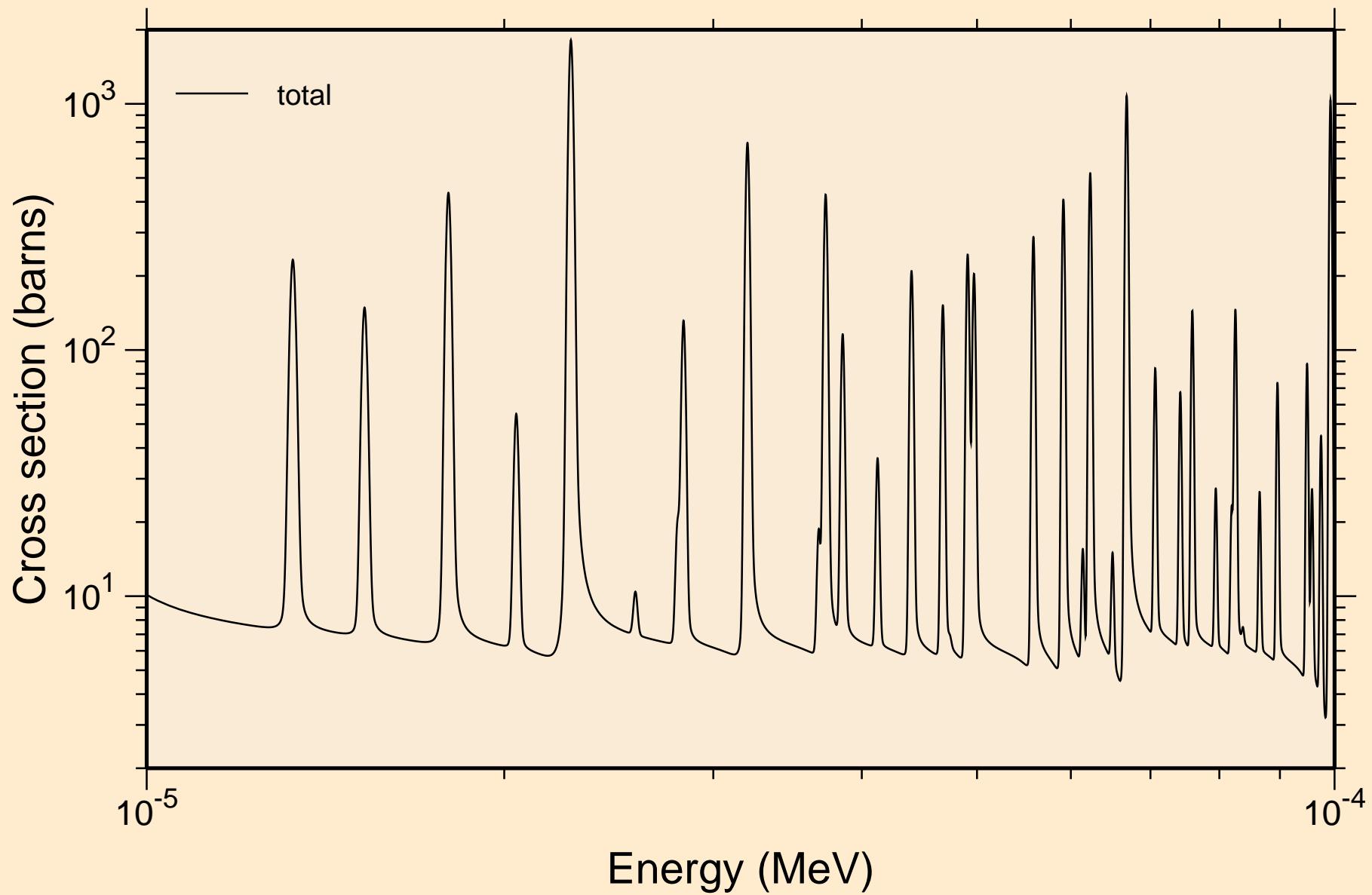
## Principal cross sections



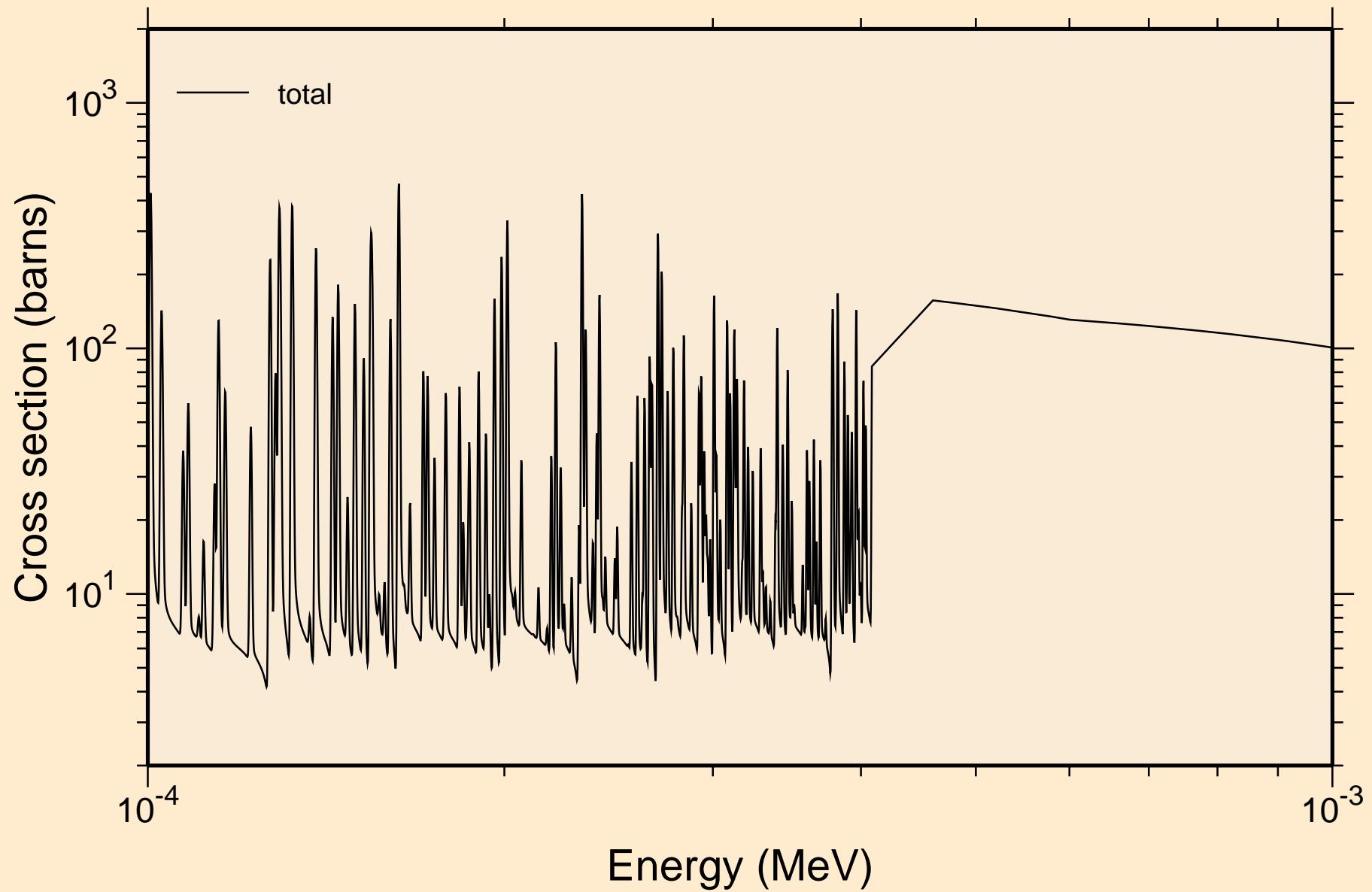
EU150M NRG TENDL-2015, AKONING  
resonance total cross section



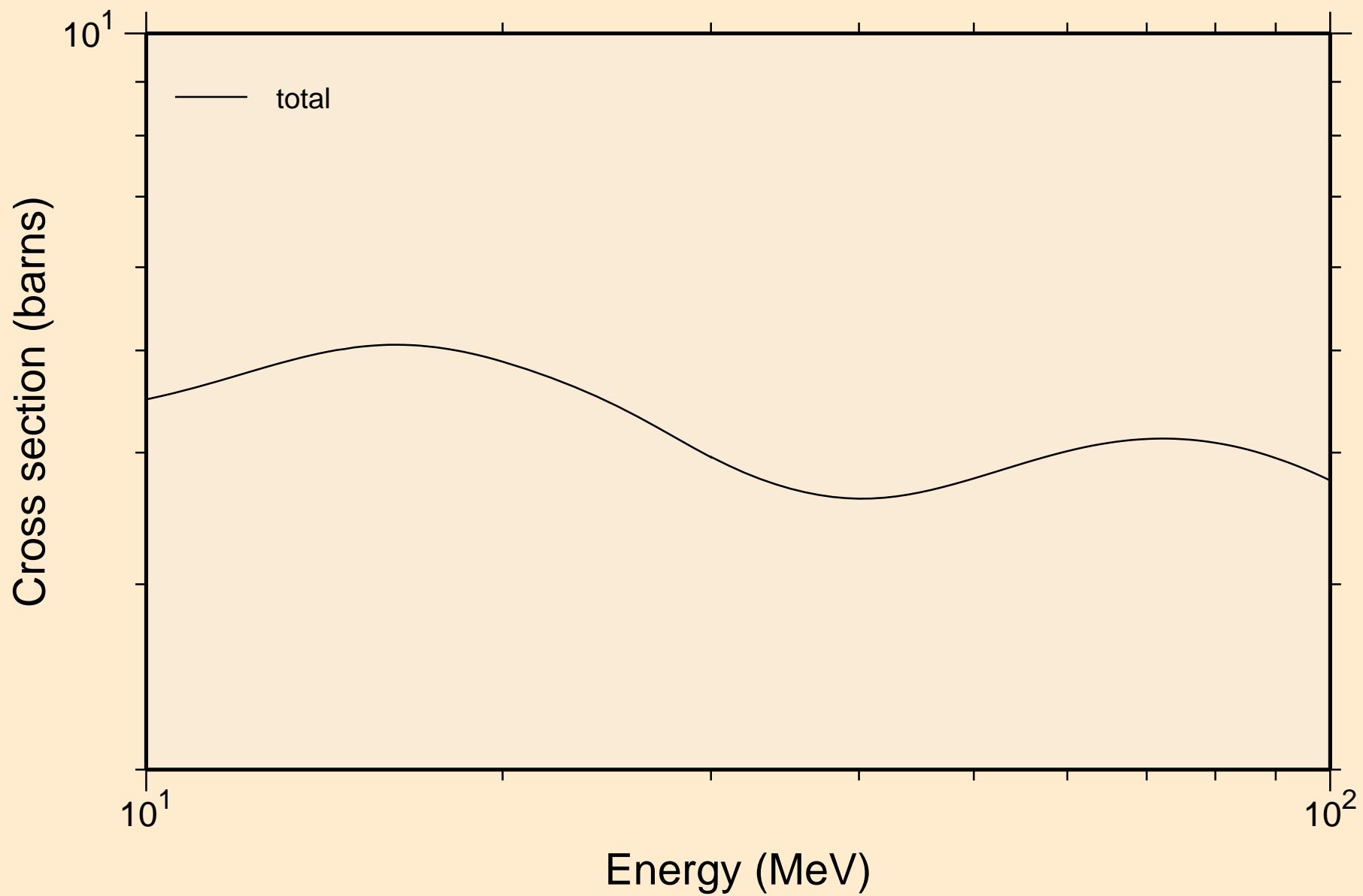
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resonance total cross section



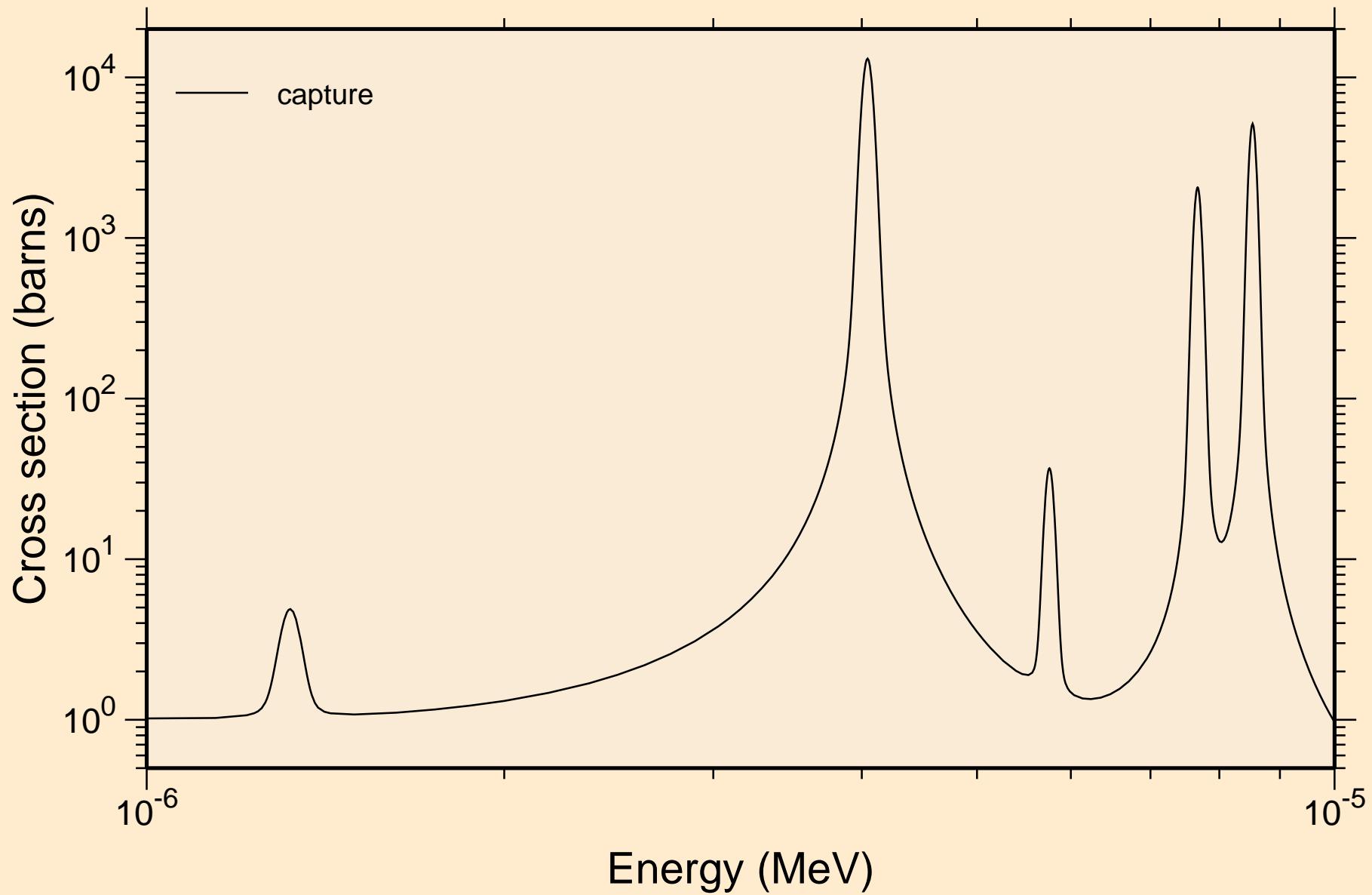
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resonance total cross section



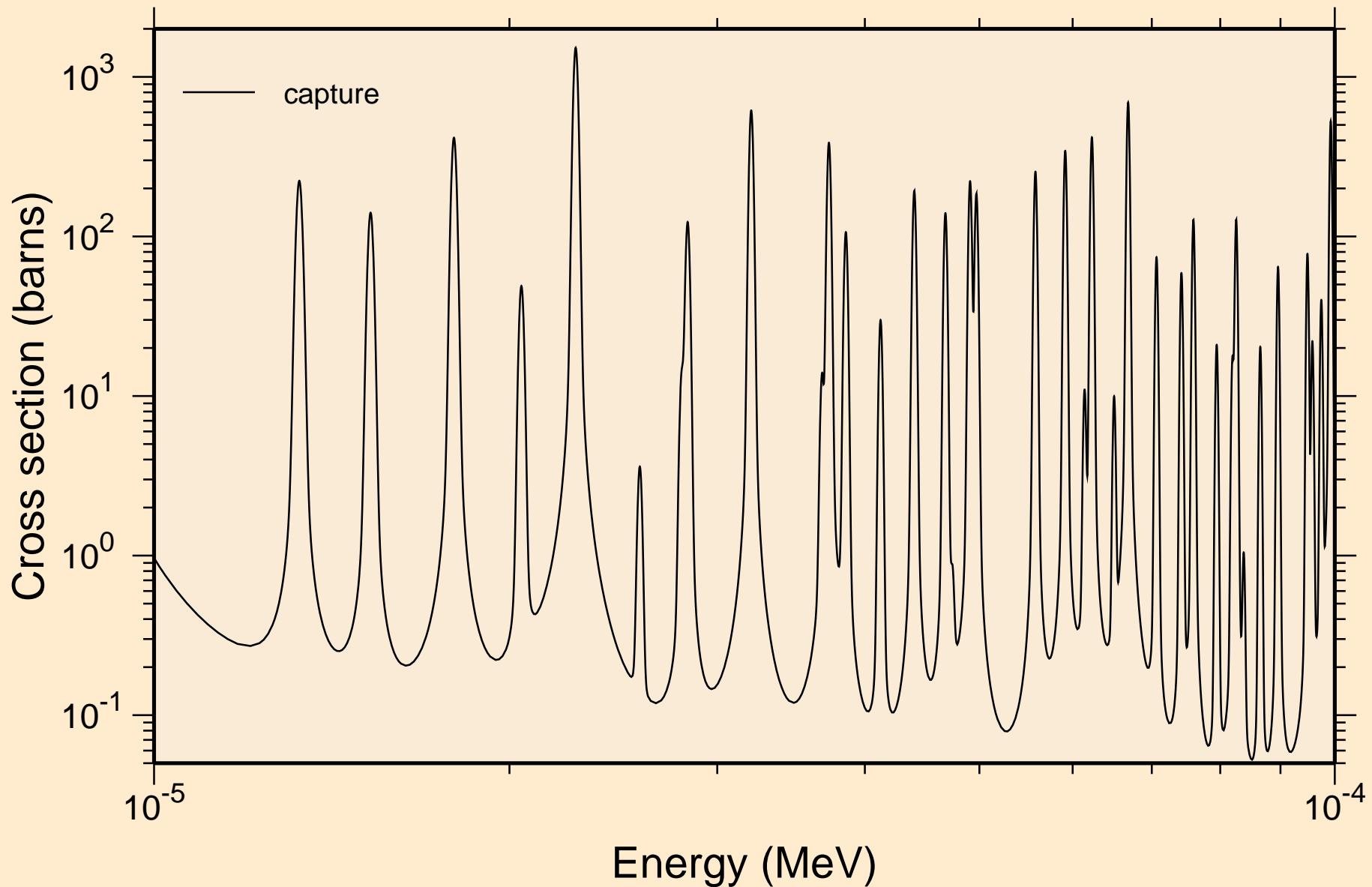
EU150M NRG TENDL-2015, AKONING  
resonance total cross section



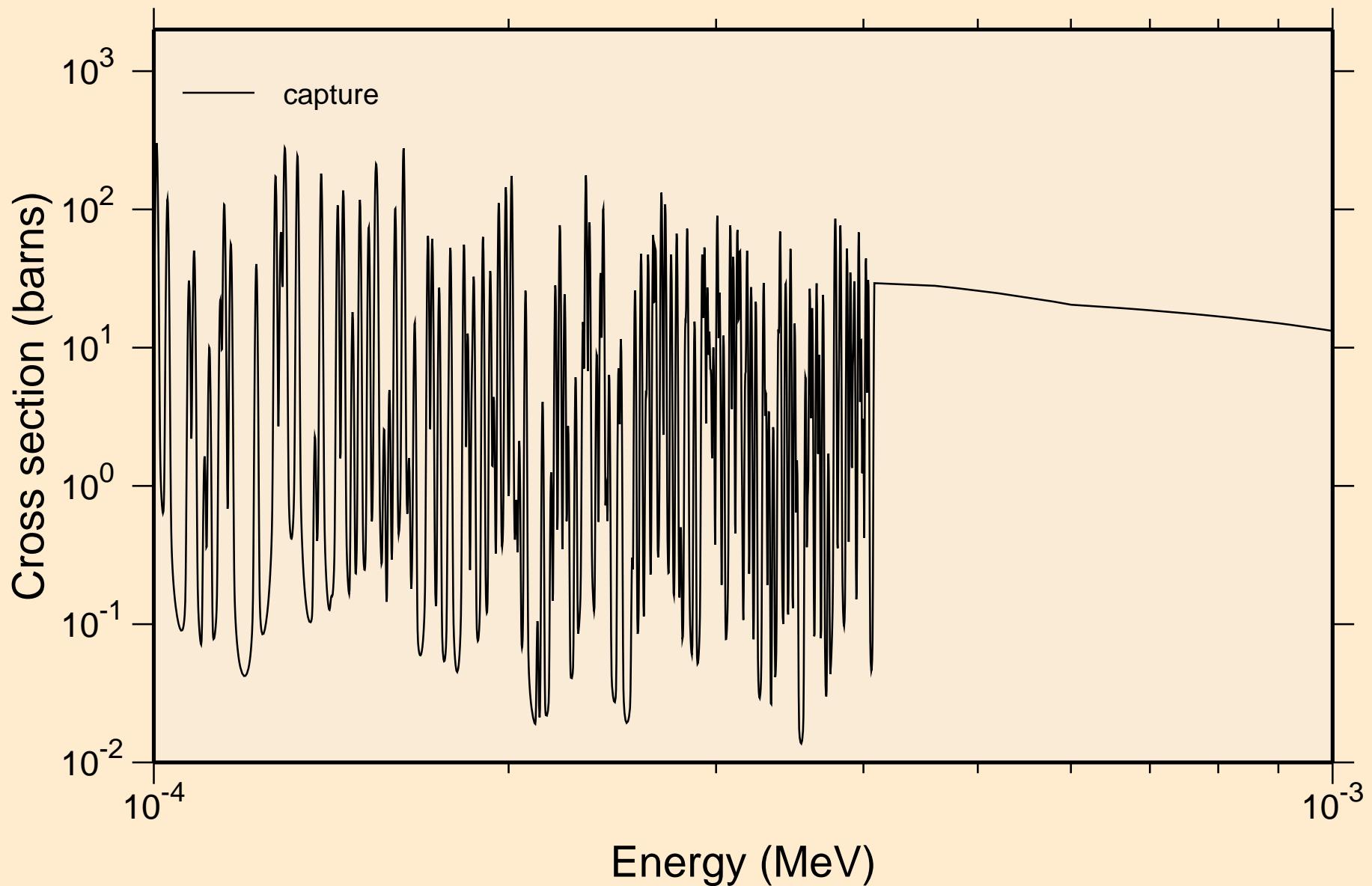
EU150M NRG TENDL-2015, AKONING  
resonance absorption cross sections



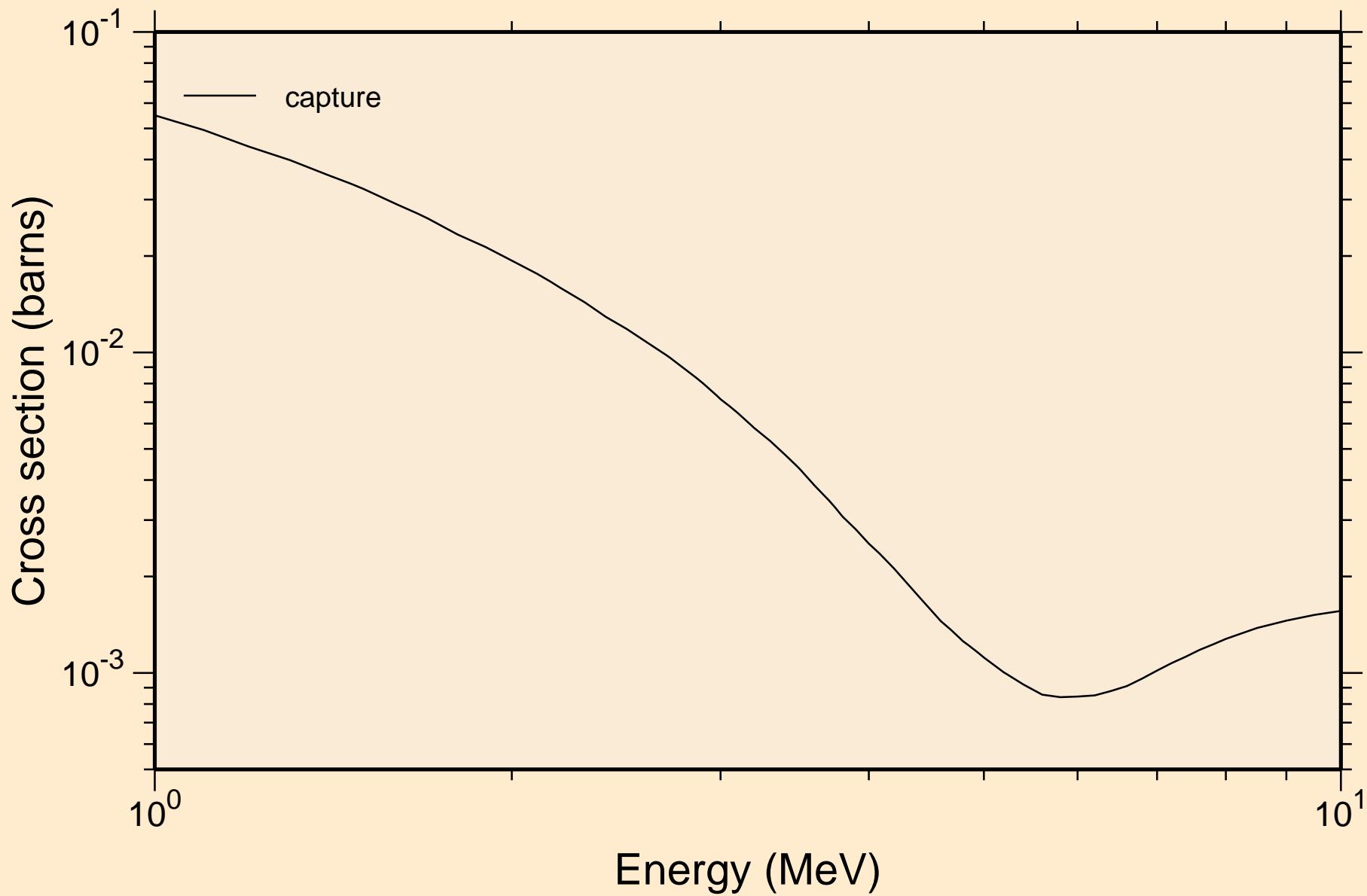
# EU150M NRG TENDL-2015, AKONING resonance absorption cross sections



EU150M NRG TENDL-2015, AKONING  
resonance absorption cross sections

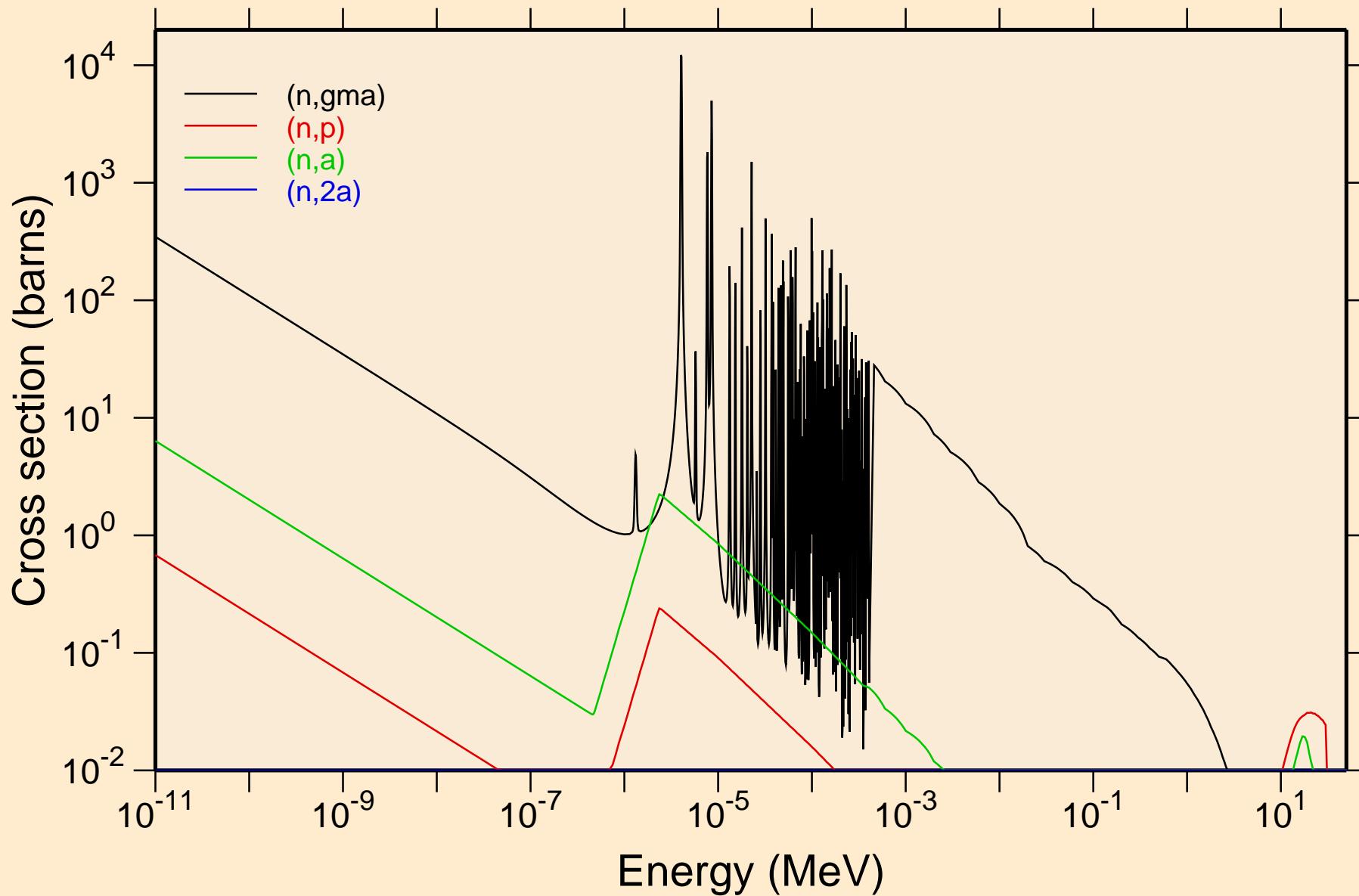


EU150M NRG TENDL-2015, AKONING  
resonance absorption cross sections



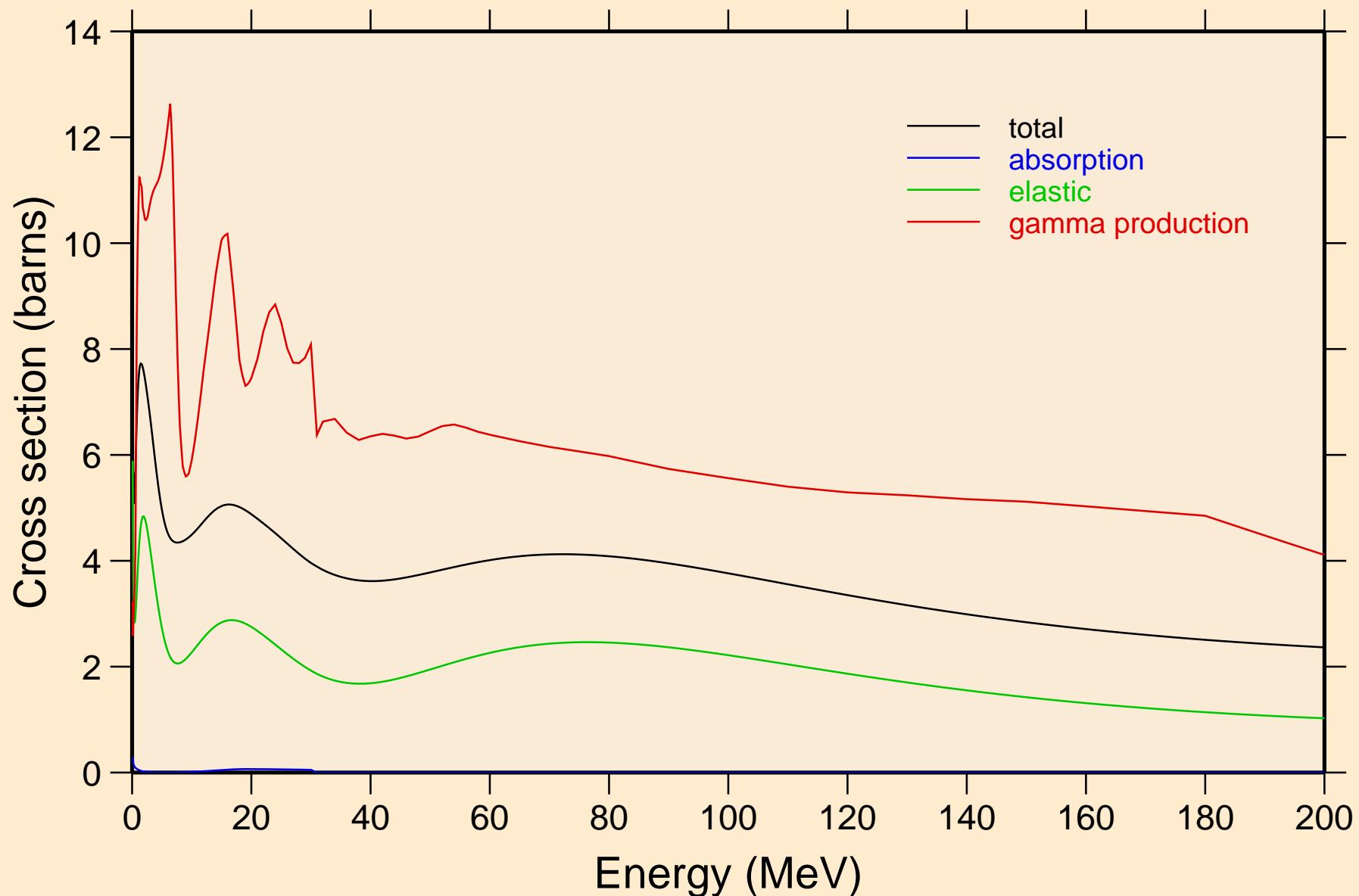
# EU150M NRG TENDL-2015, AKONING

## Non-threshold reactions



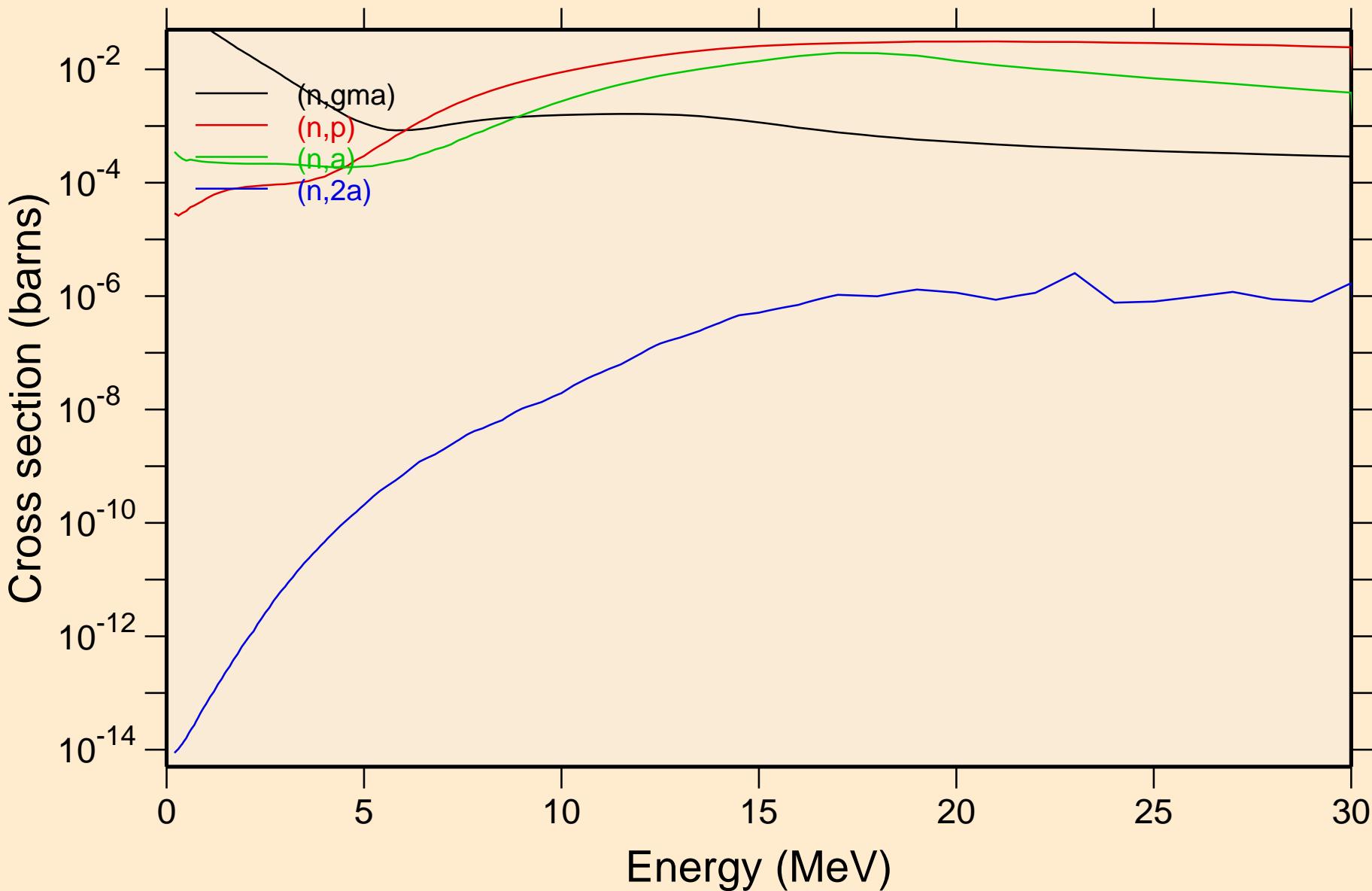
# EU150M NRG TENDL-2015, AKONING

## Principal cross sections



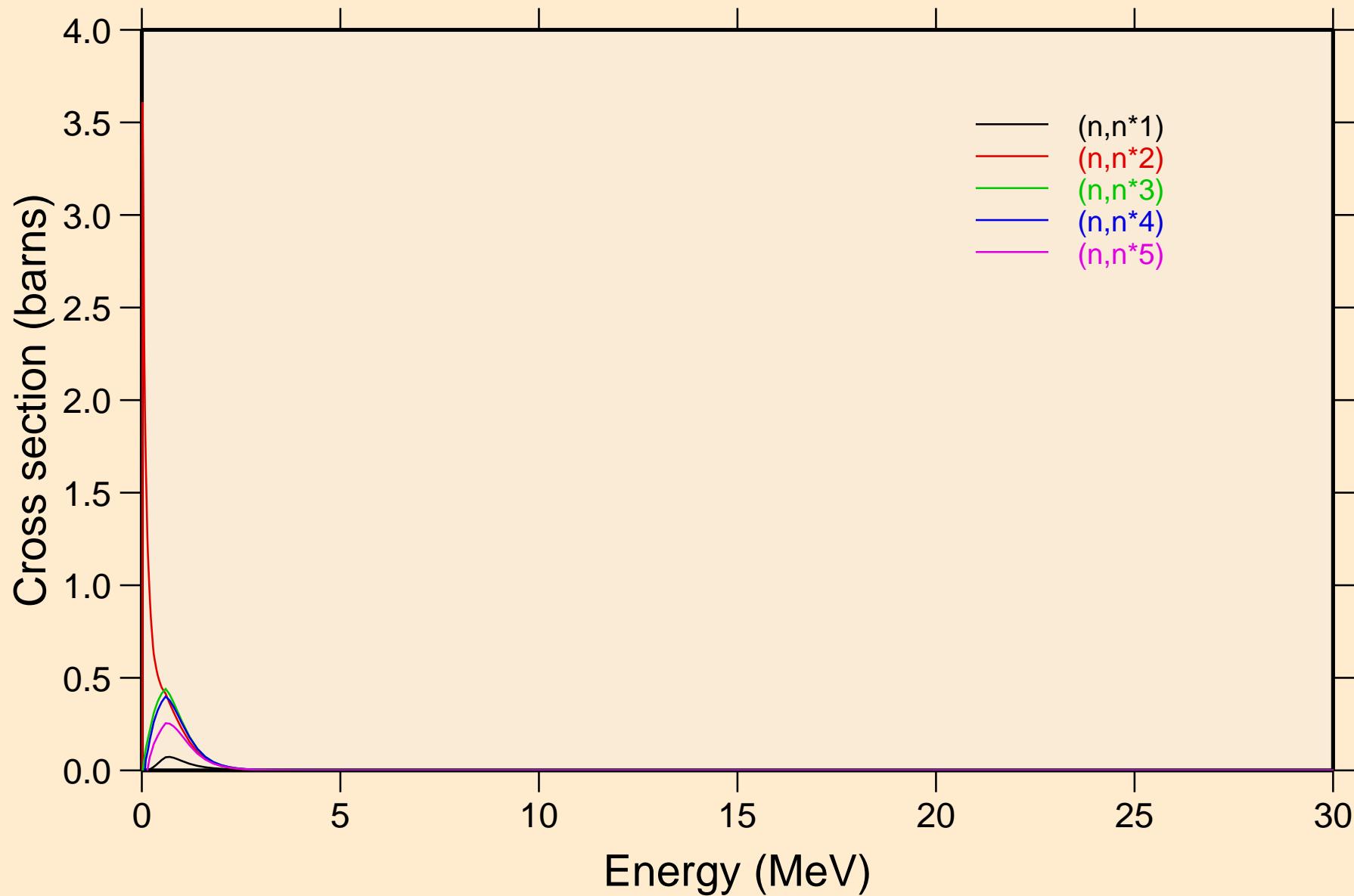
# EU150M NRG TENDL-2015, AKONING

## Non-threshold reactions



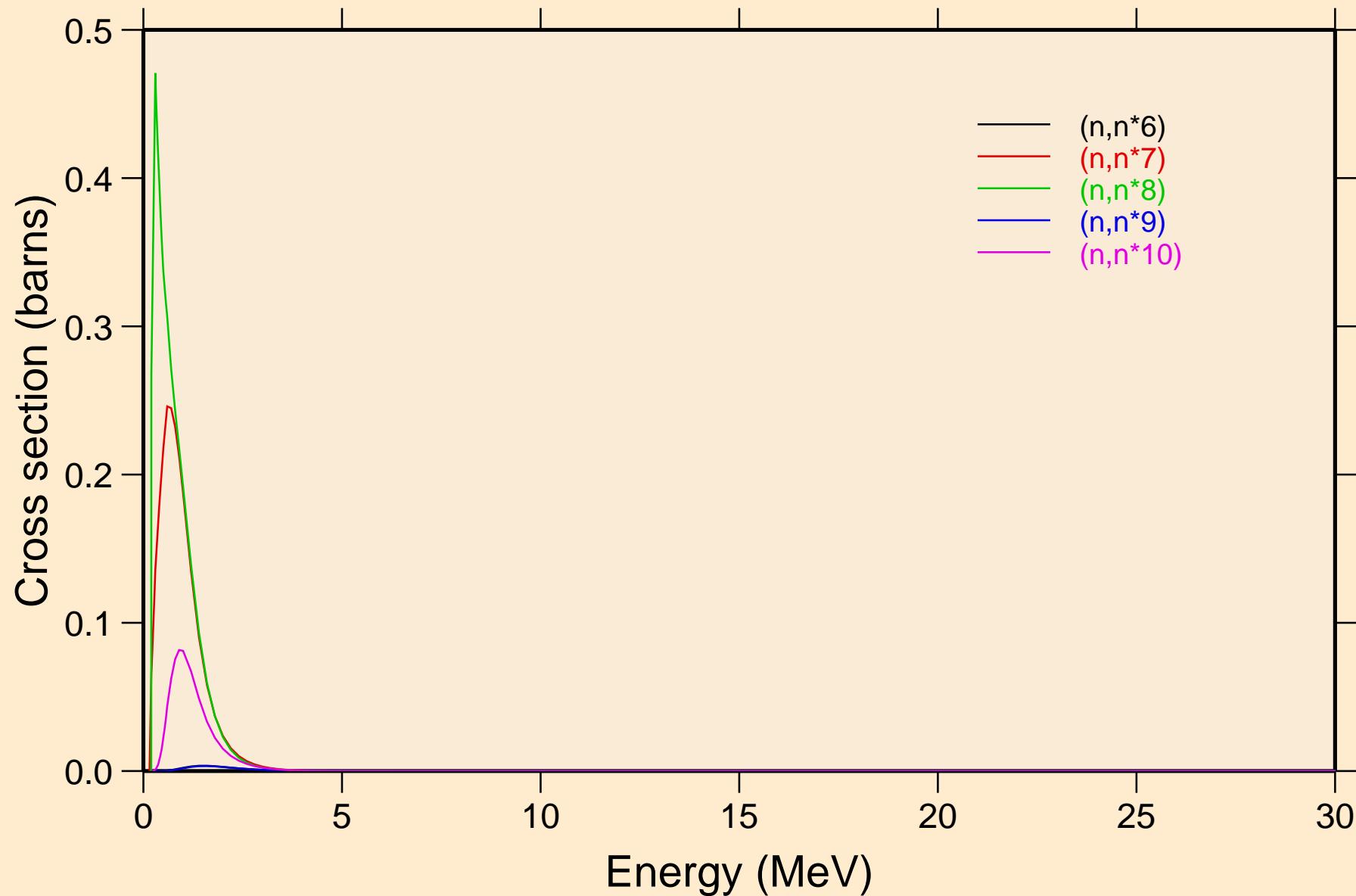
# EU150M NRG TENDL-2015, AKONING

## Inelastic levels



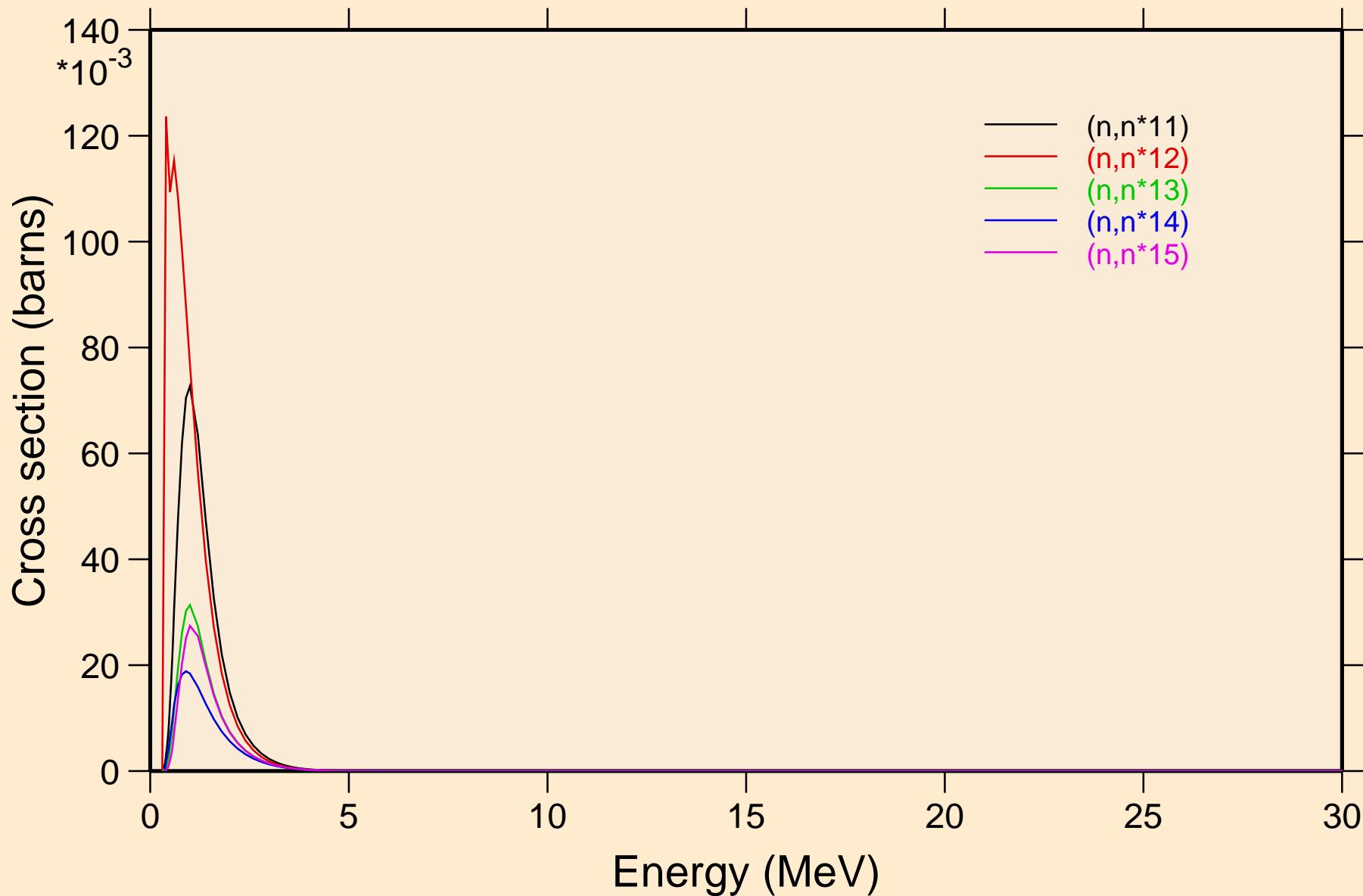
# EU150M NRG TENDL-2015, AKONING

## Inelastic levels



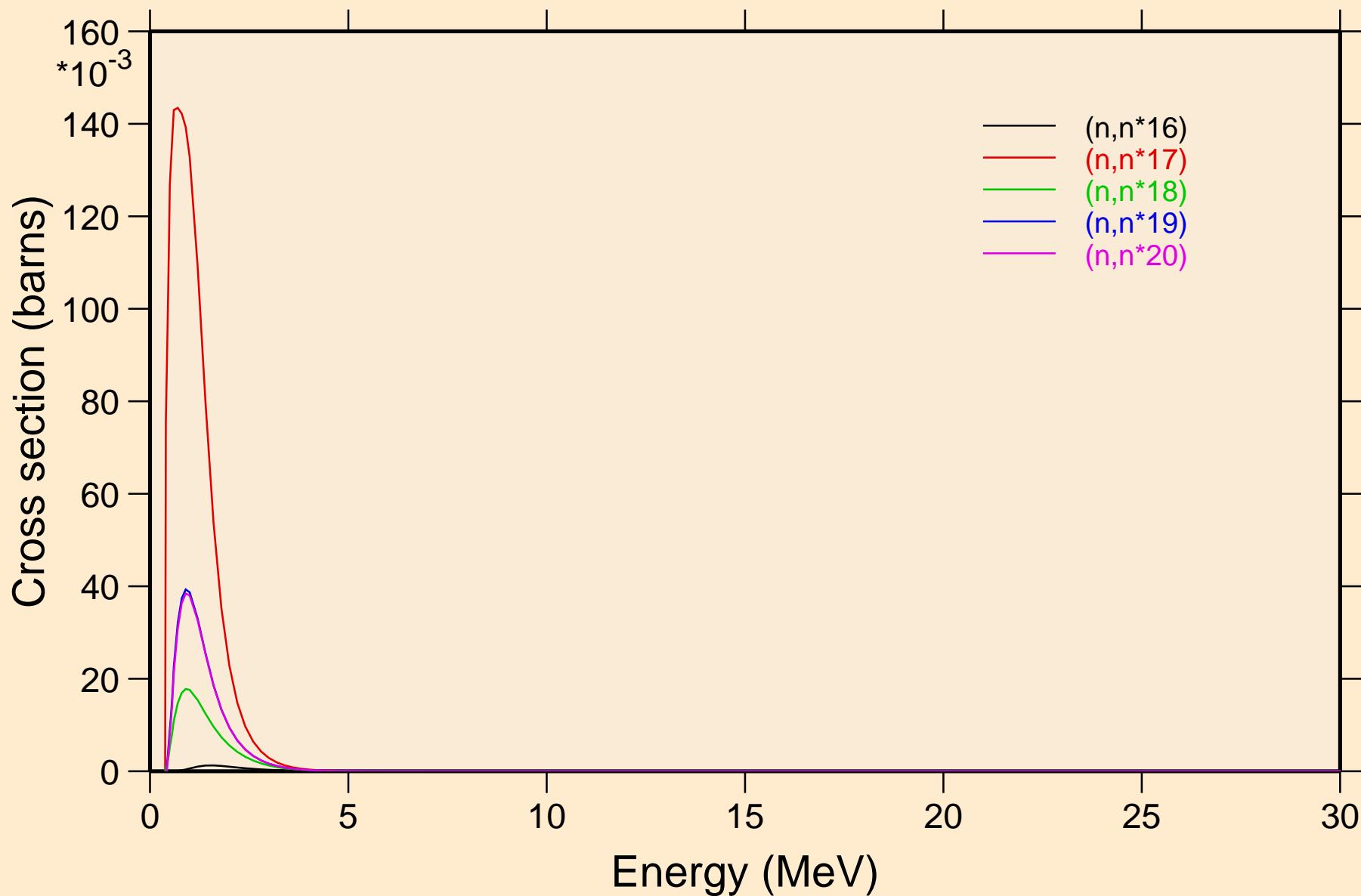
# EU150M NRG TENDL-2015, AKONING

## Inelastic levels



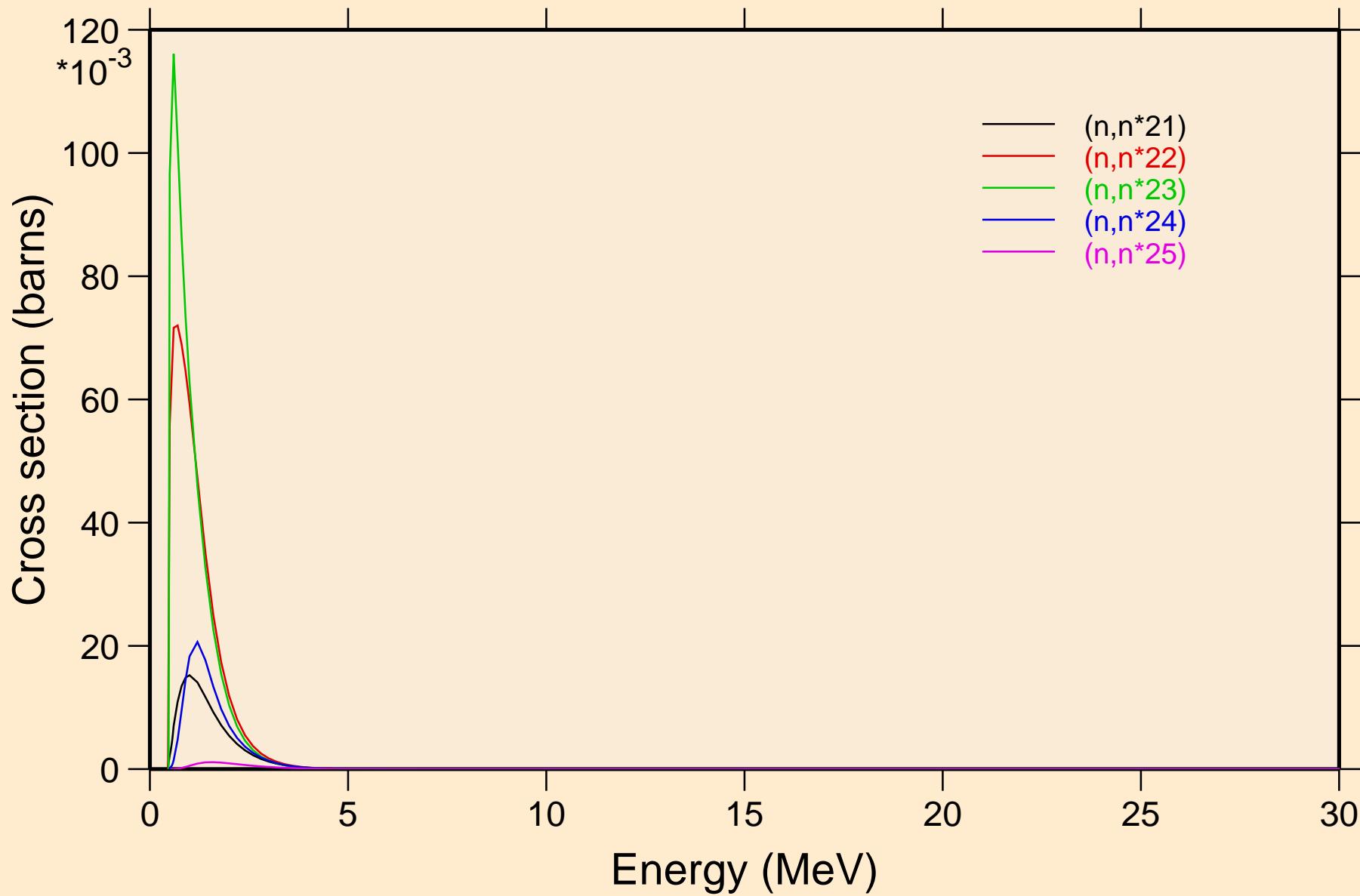
# EU150M NRG TENDL-2015, AKONING

## Inelastic levels



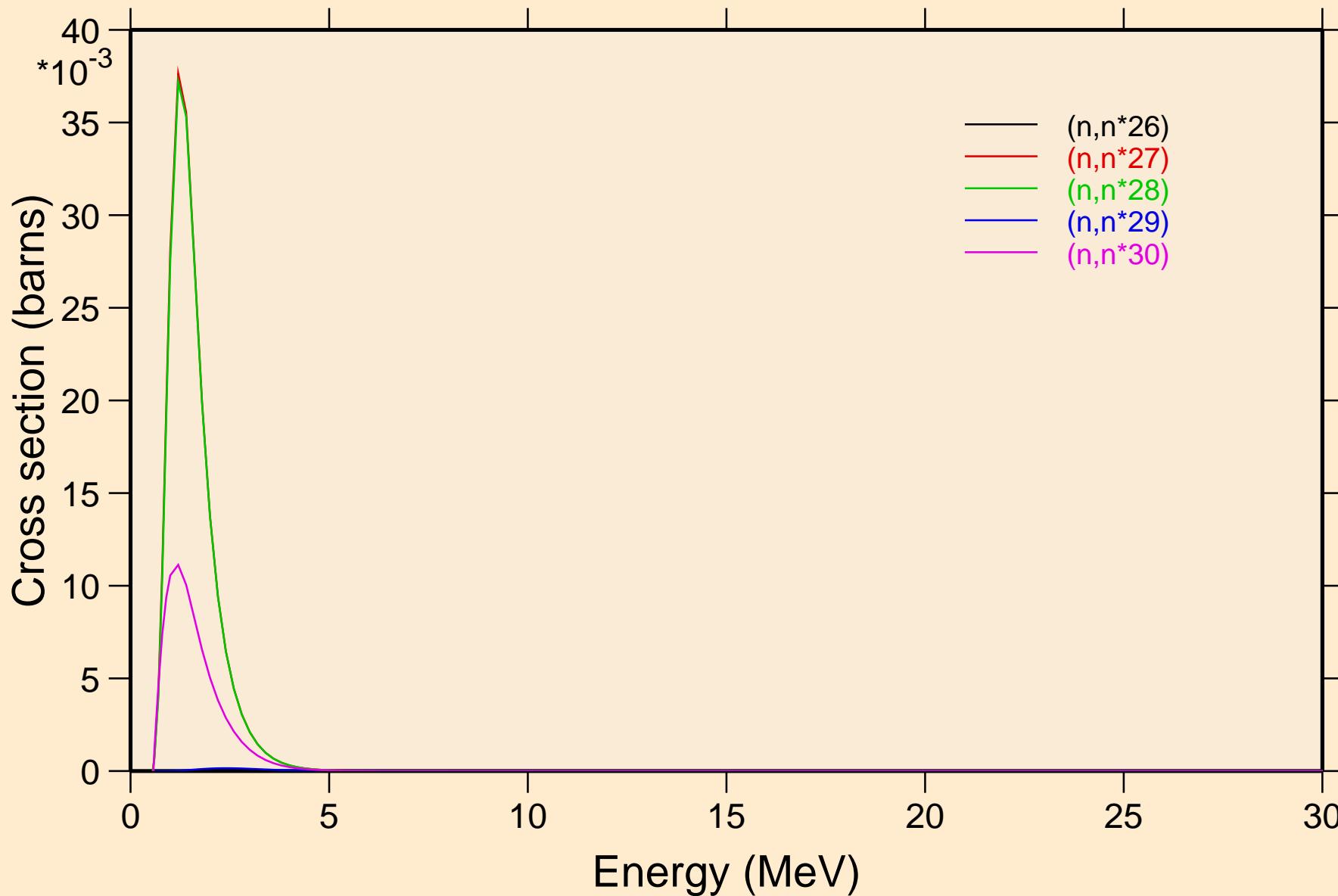
# EU150M NRG TENDL-2015, AKONING

## Inelastic levels



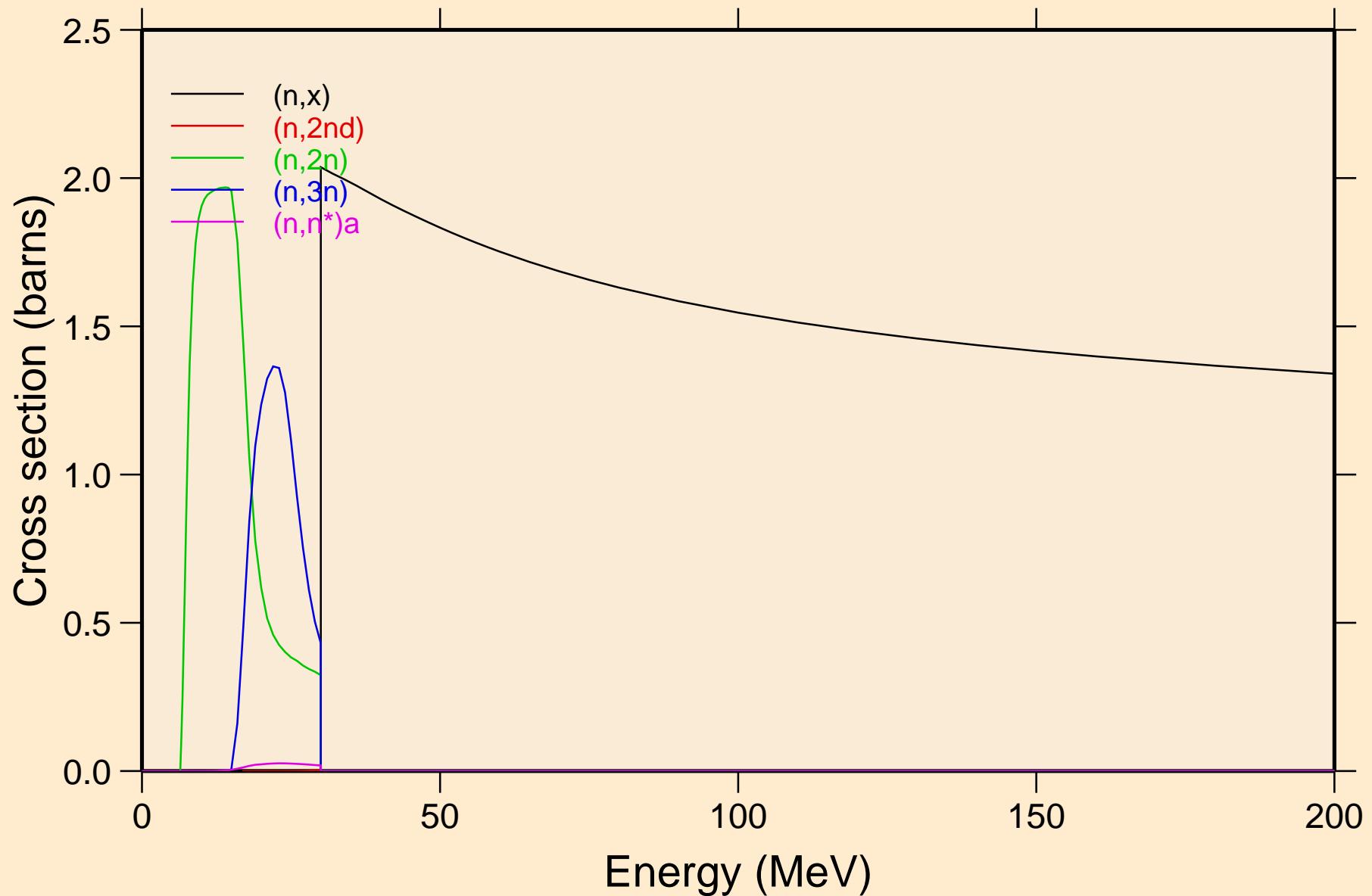
# EU150M NRG TENDL-2015, AKONING

## Inelastic levels



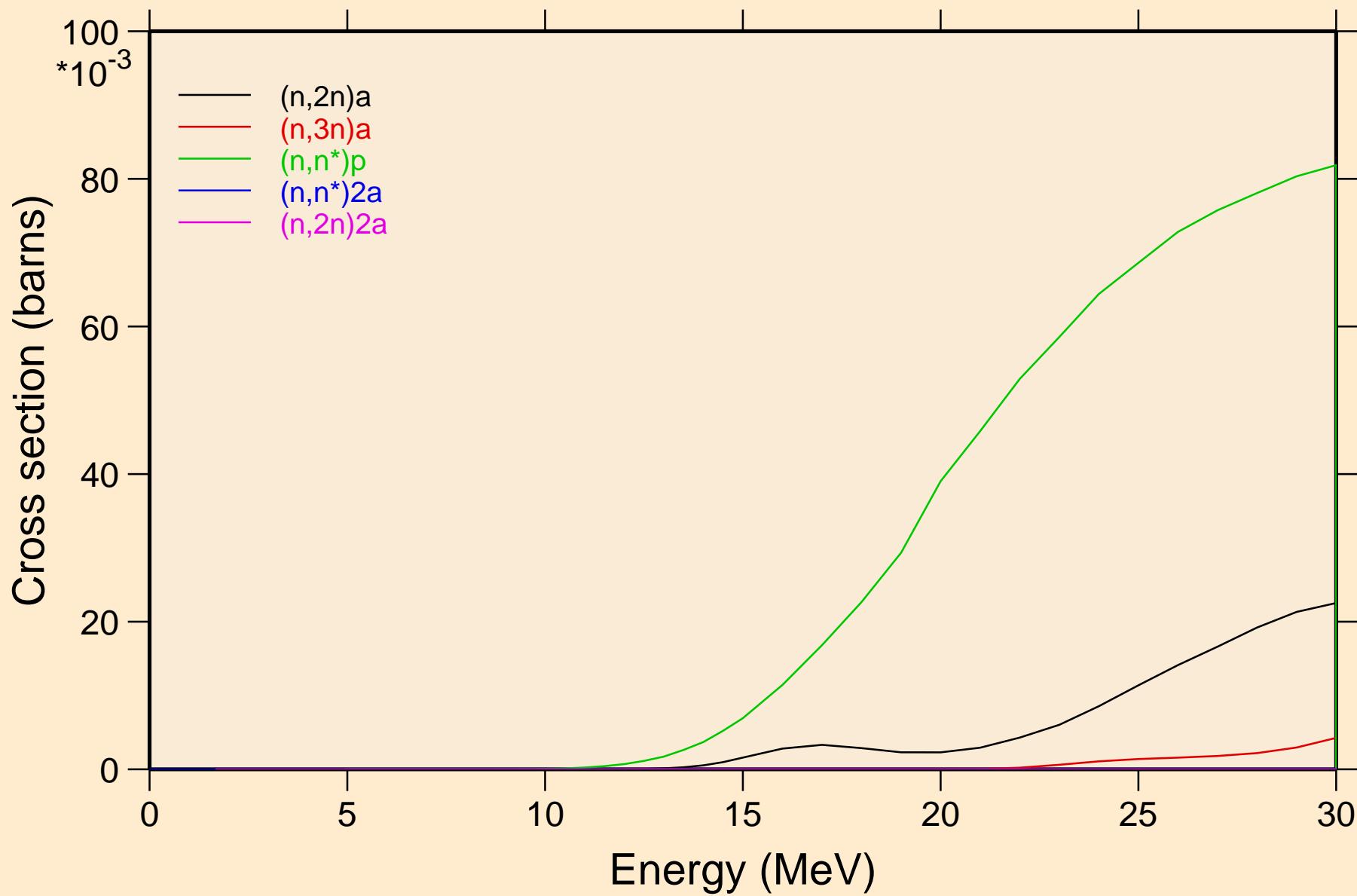
# EU150M NRG TENDL-2015, AKONING

## Threshold reactions



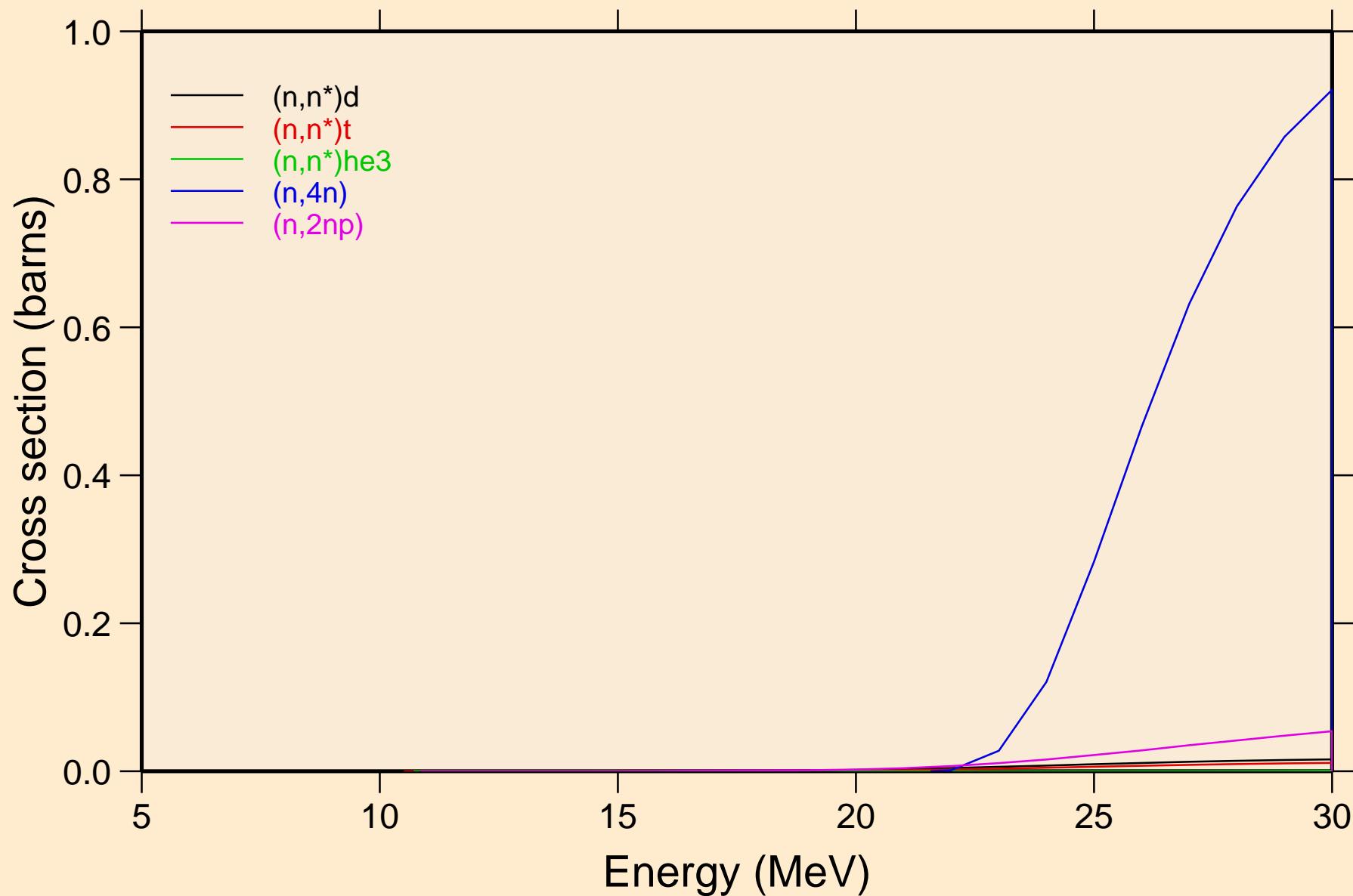
# EU150M NRG TENDL-2015, AKONING

## Threshold reactions



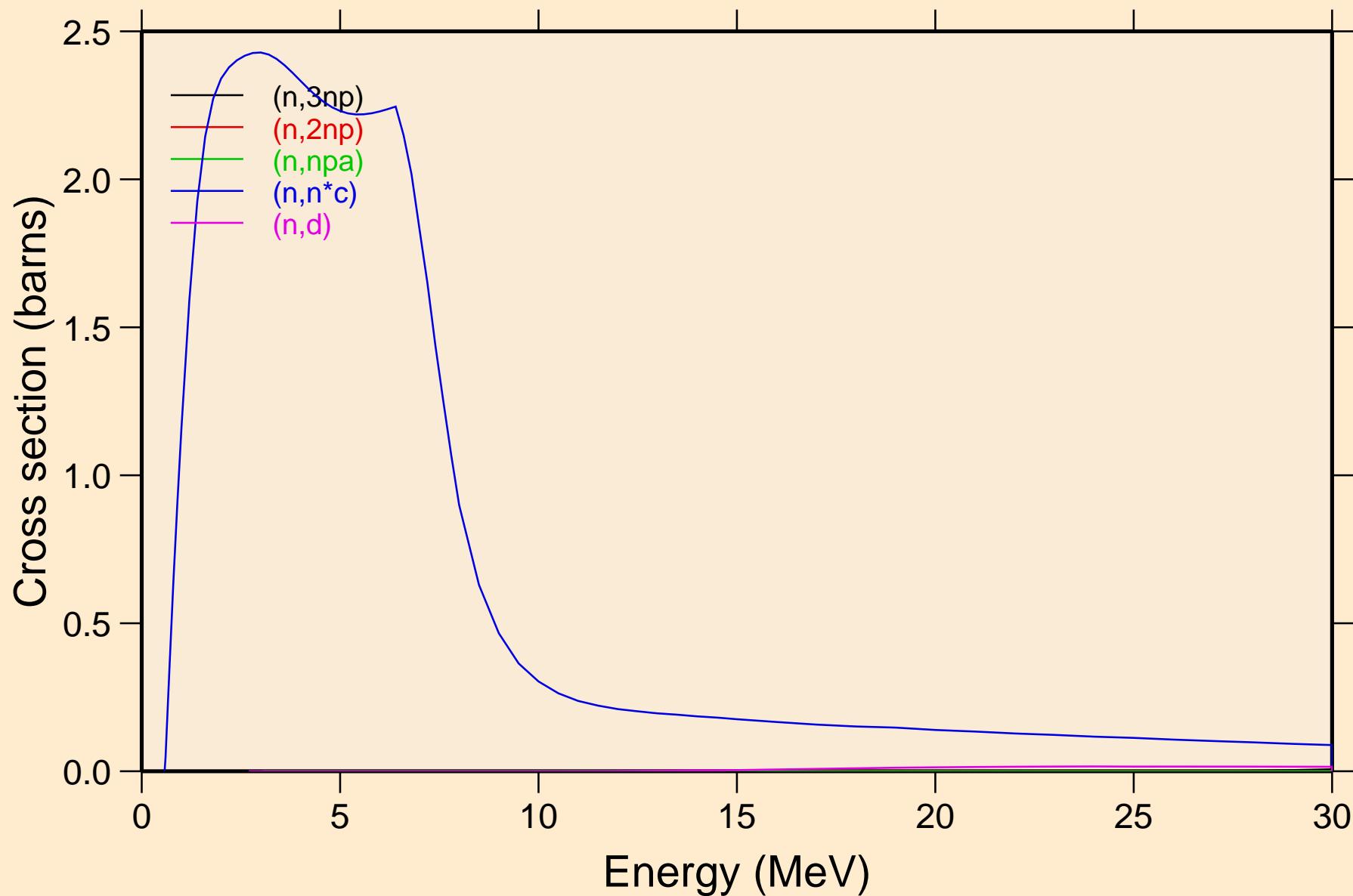
# EU150M NRG TENDL-2015, AKONING

## Threshold reactions



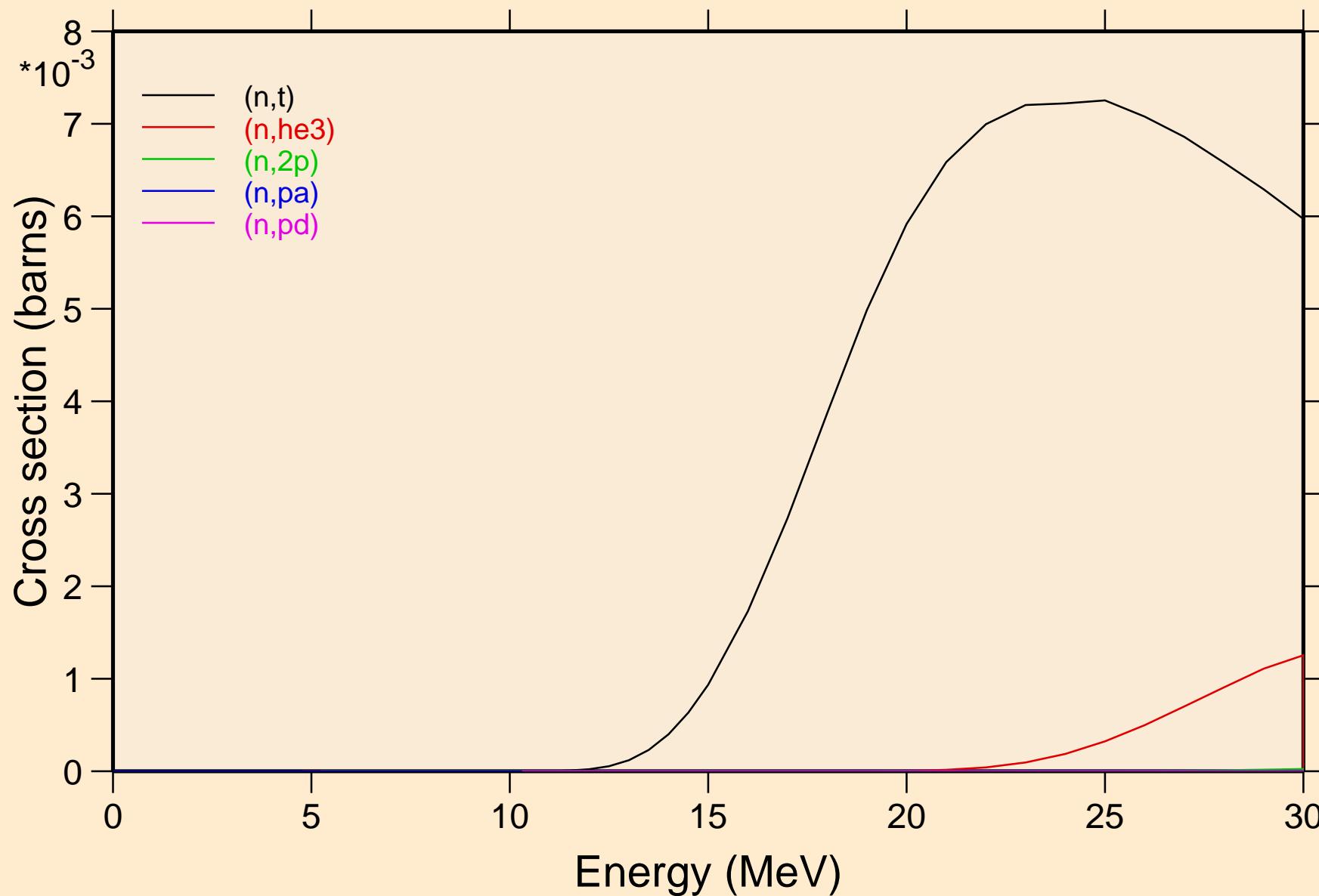
# EU150M NRG TENDL-2015, AKONING

## Threshold reactions



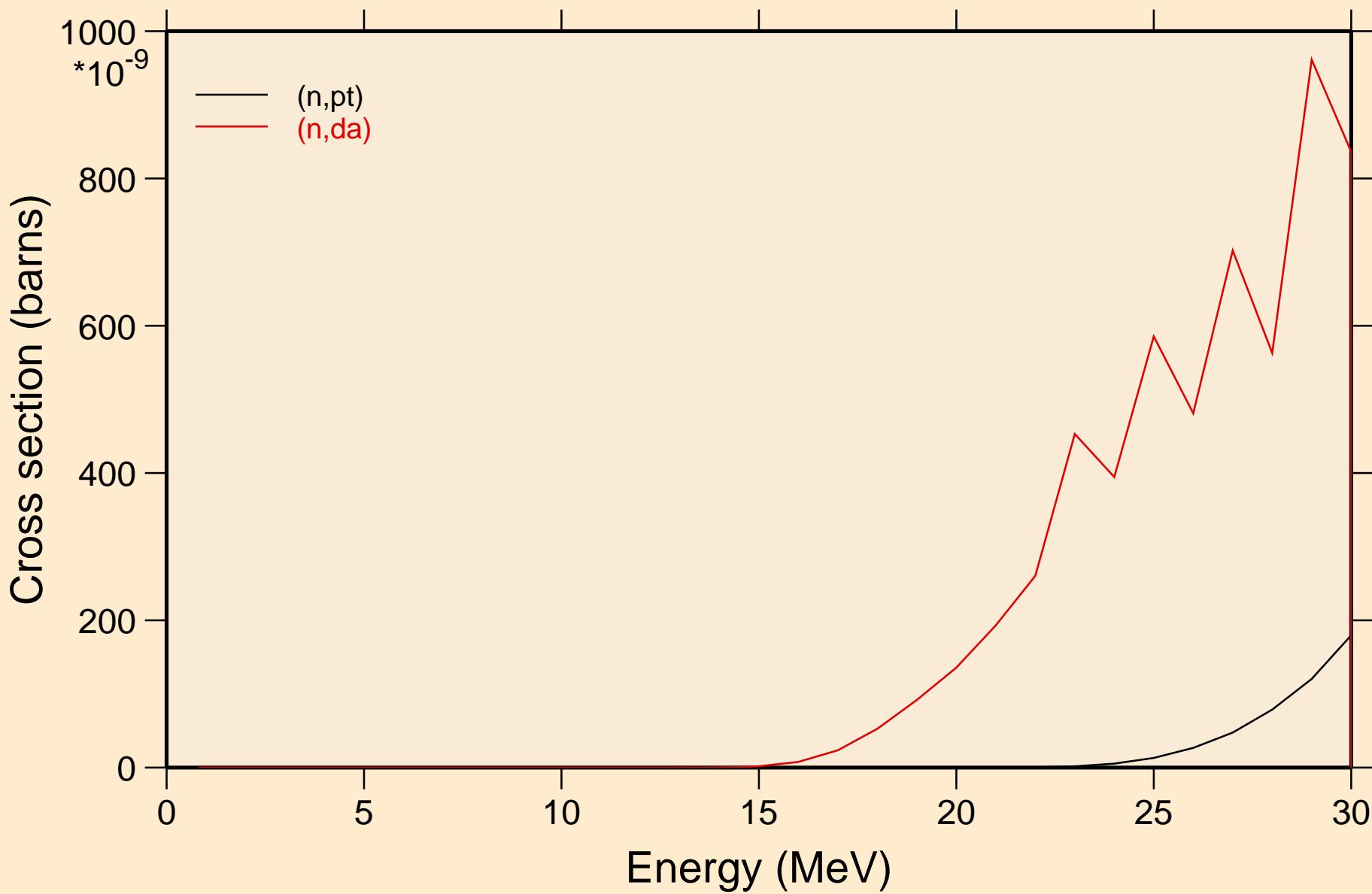
# EU150M NRG TENDL-2015, AKONING

## Threshold reactions

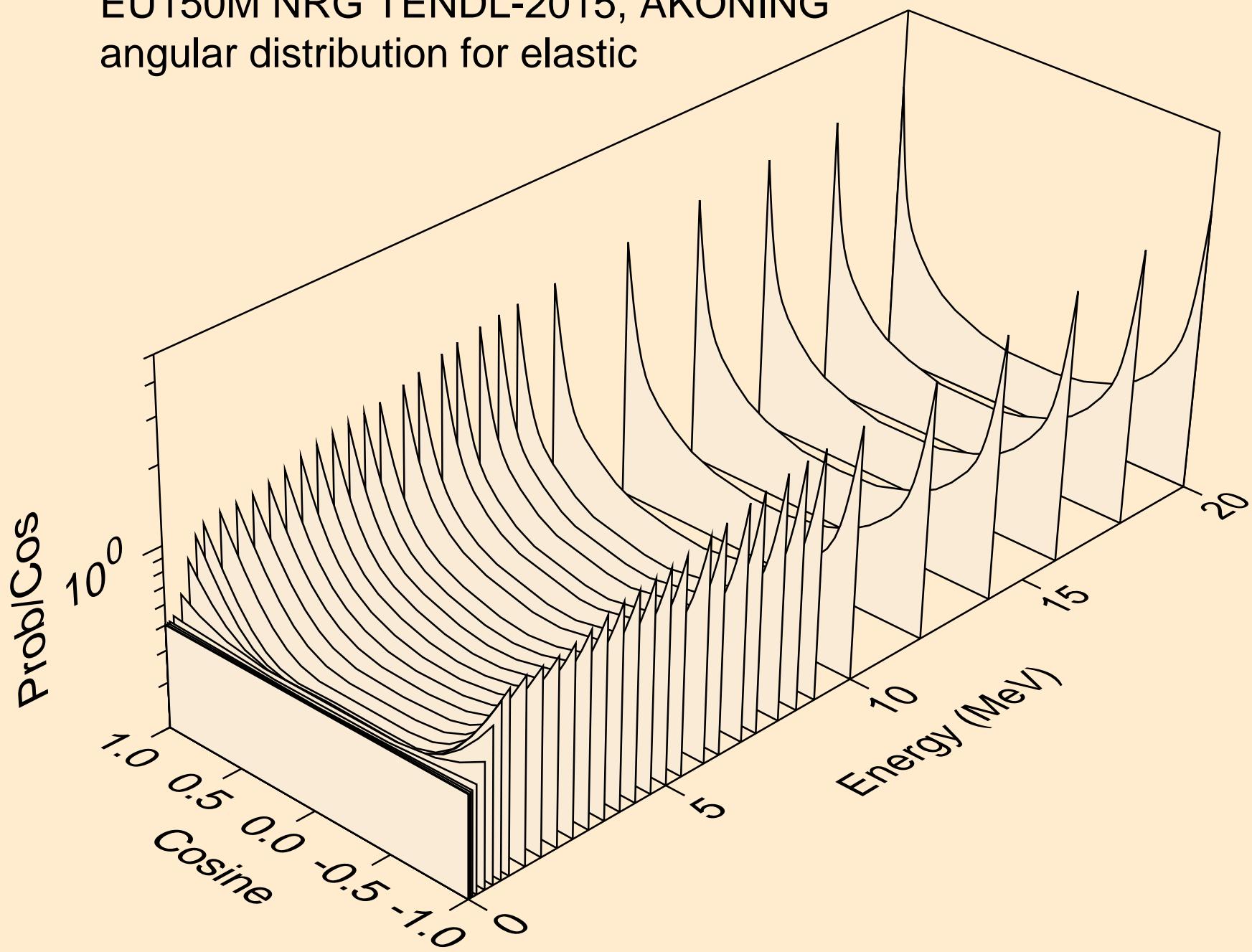


# EU150M NRG TENDL-2015, AKONING

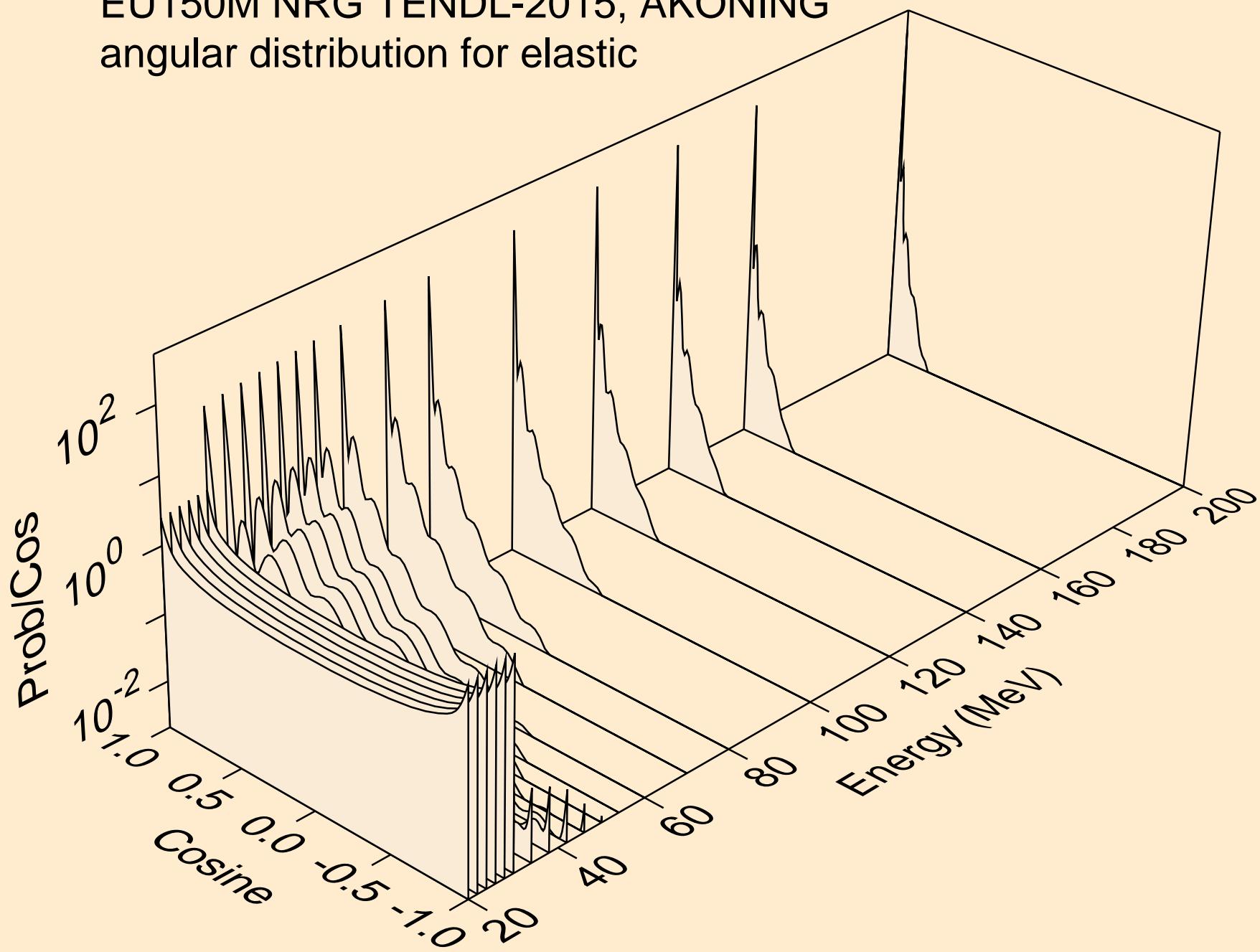
## Threshold reactions



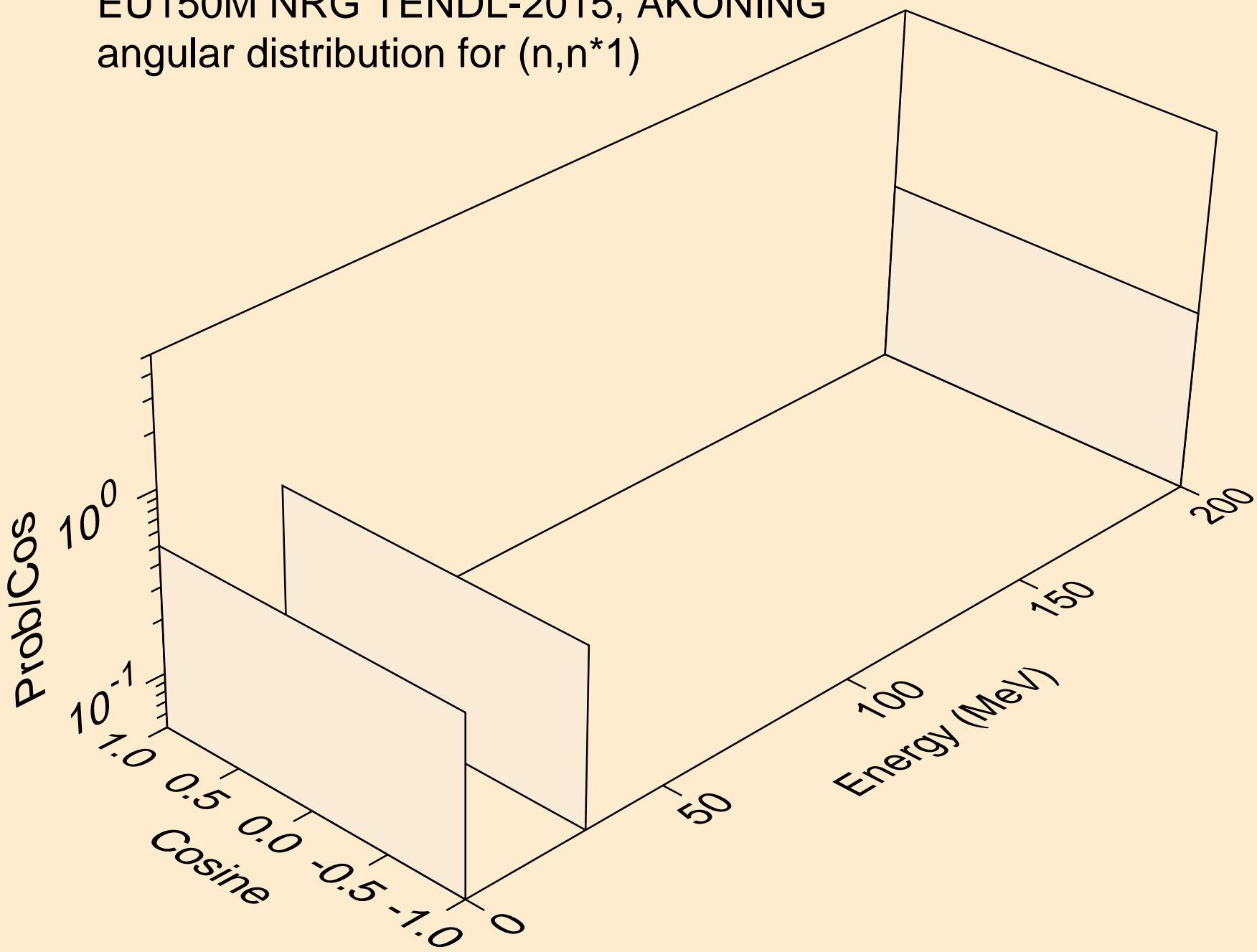
EU150M NRG TENDL-2015, AKONING  
angular distribution for elastic



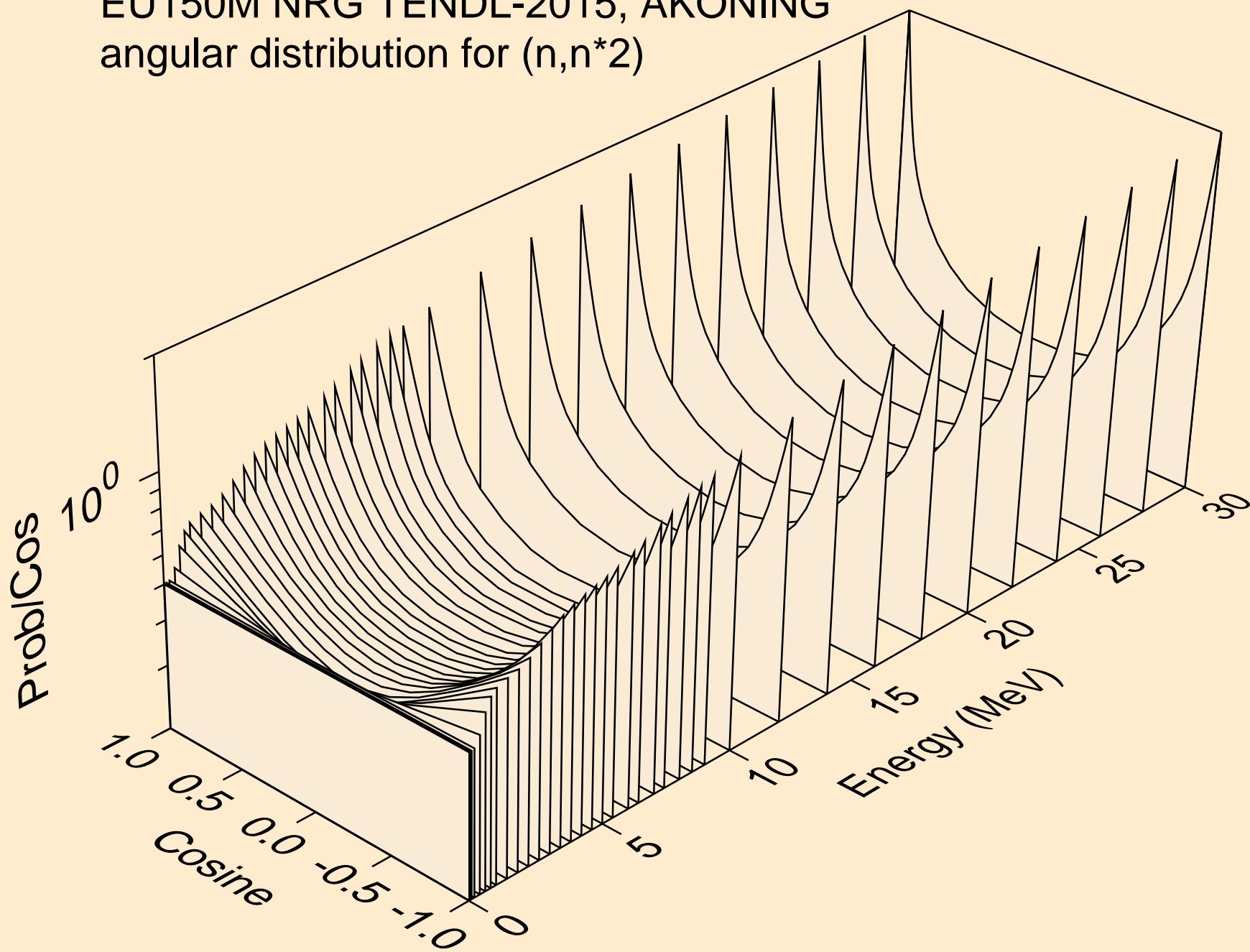
EU150M NRG TENDL-2015, AKONING  
angular distribution for elastic



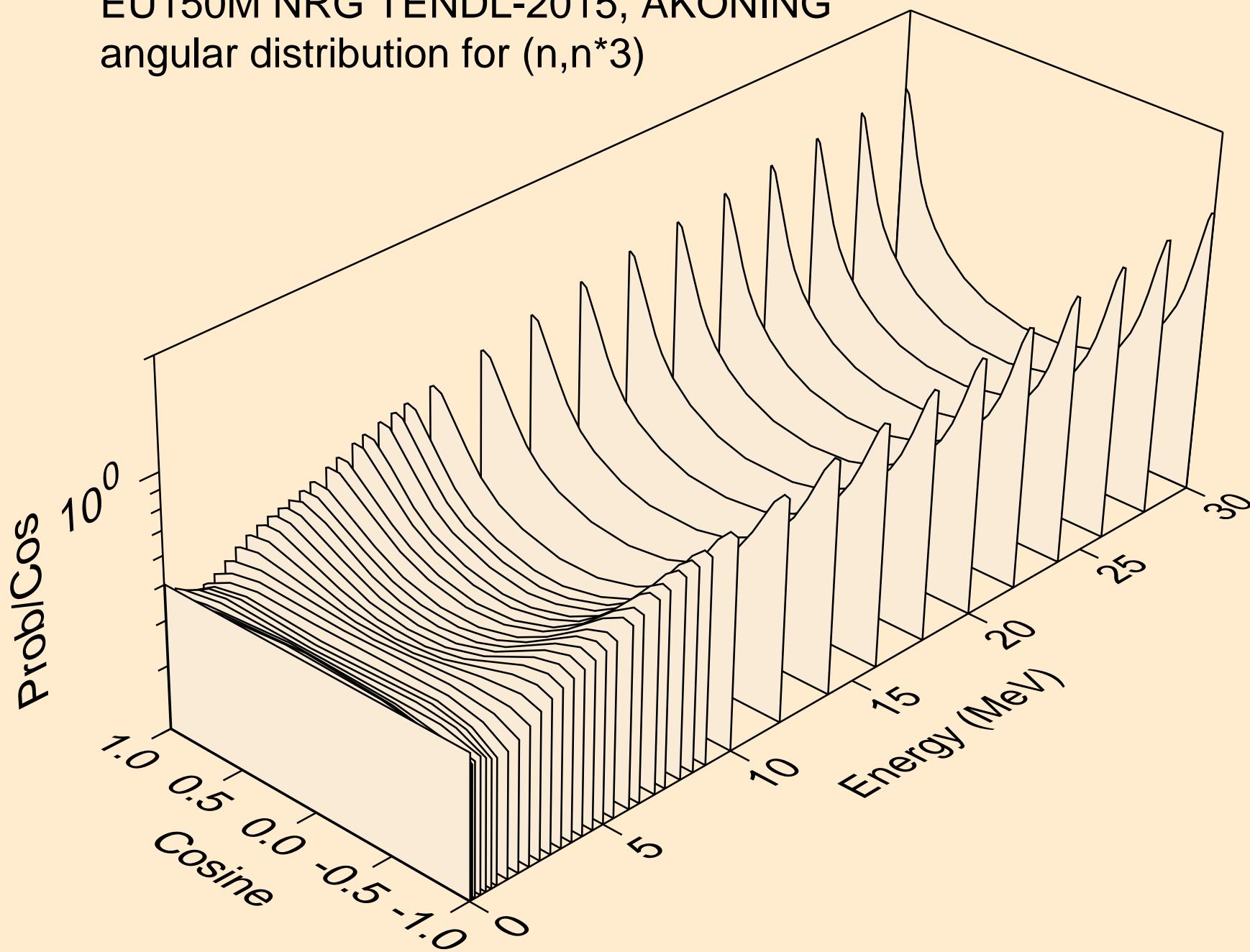
EU150M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



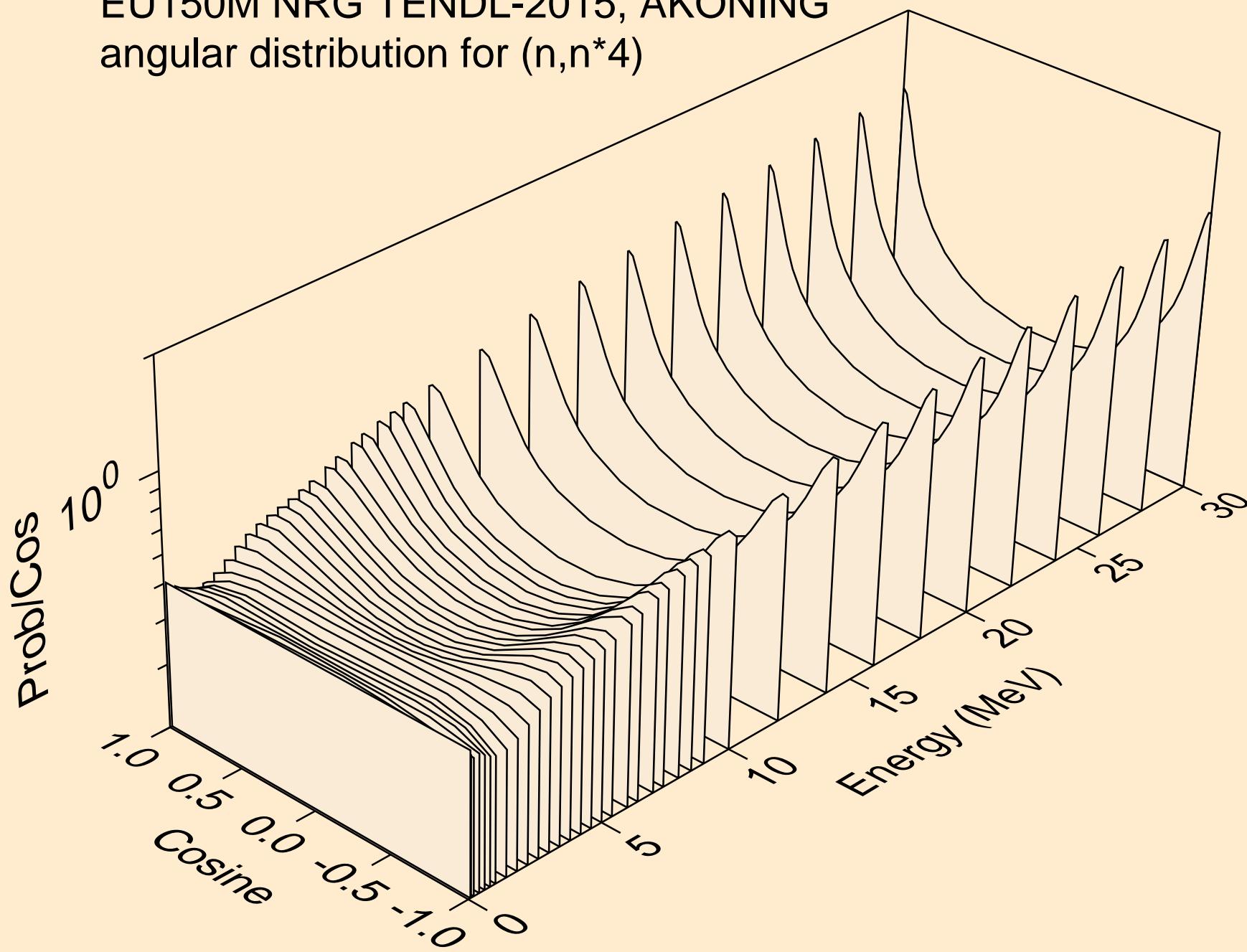
EU150M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^2$



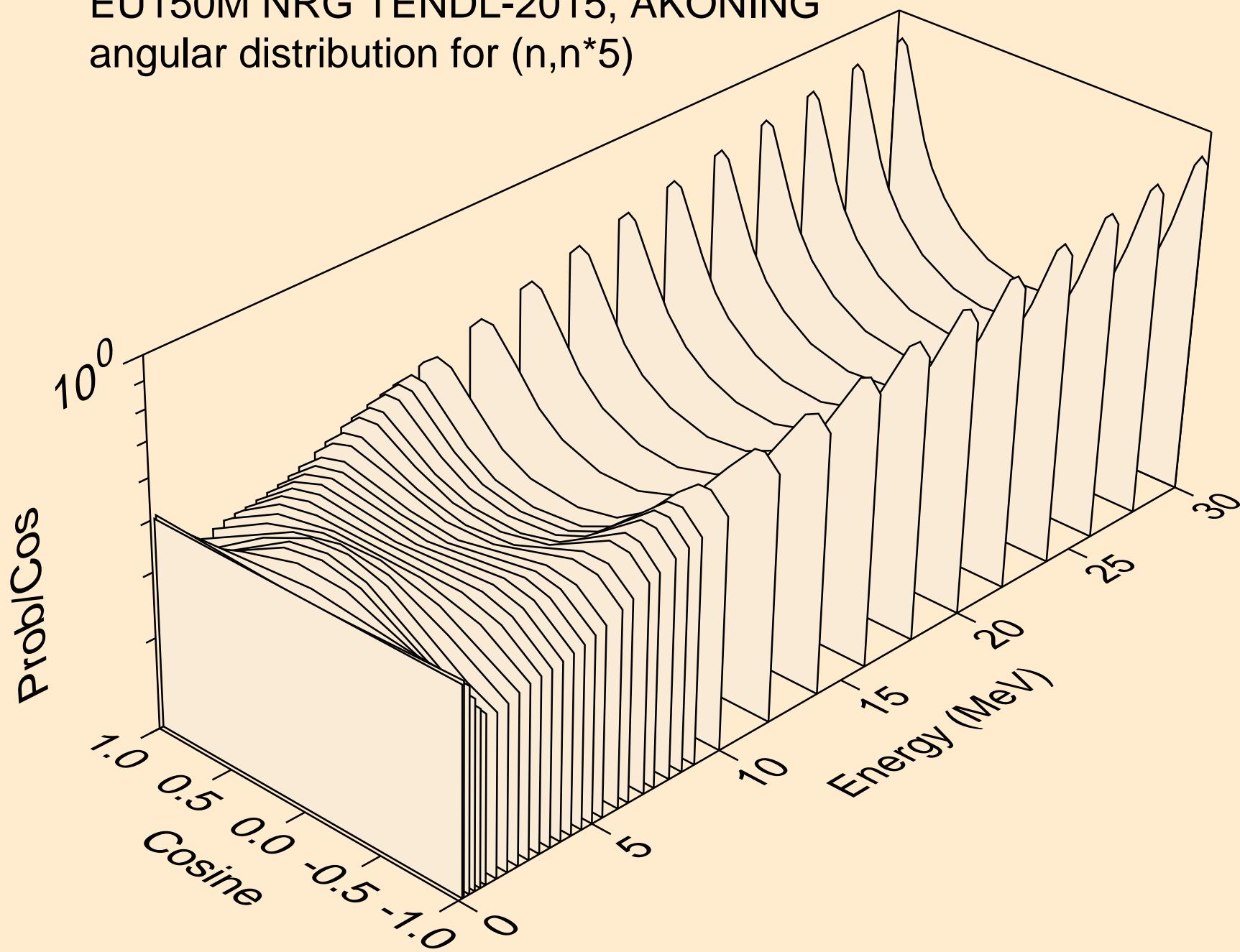
EU150M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^3$



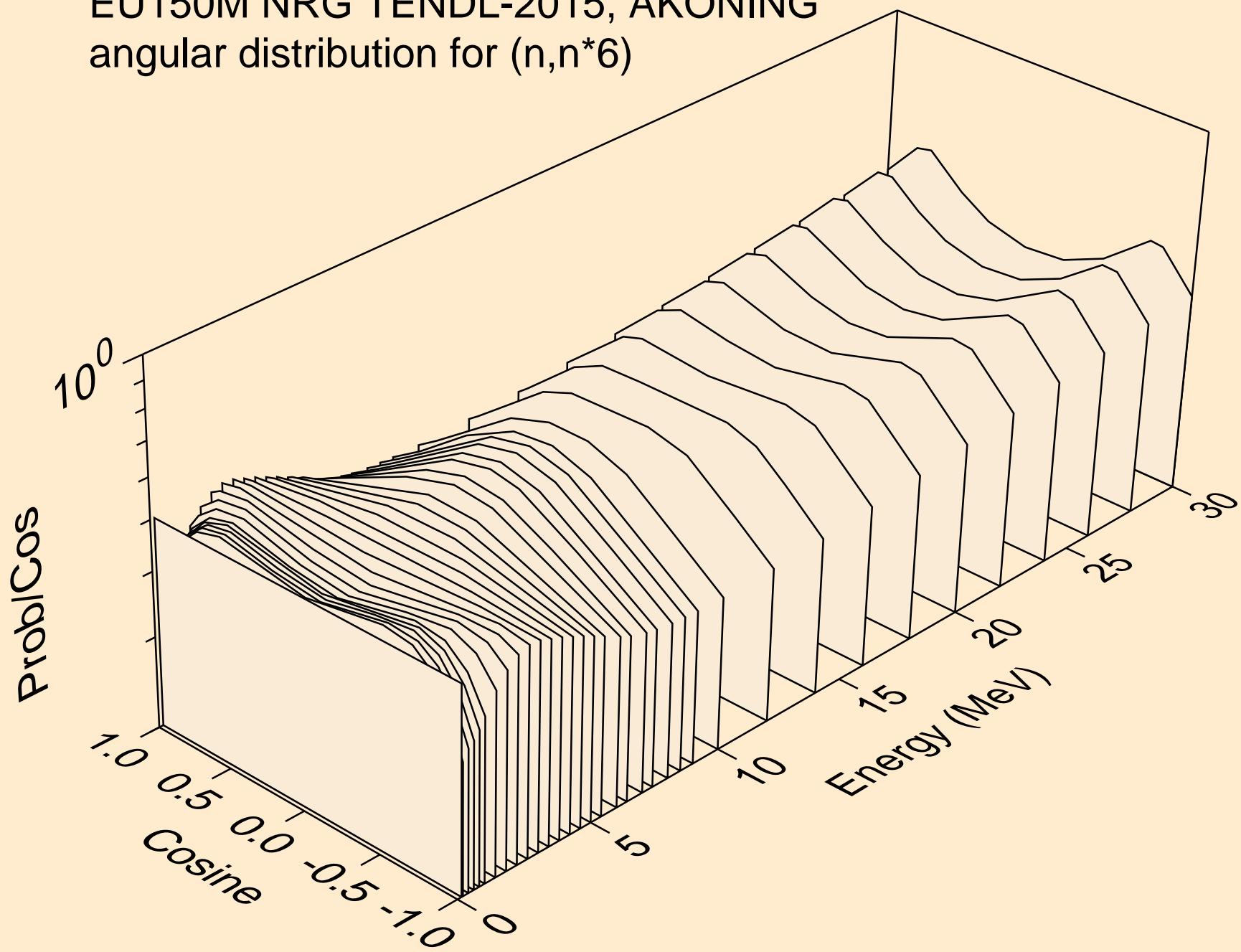
EU150M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



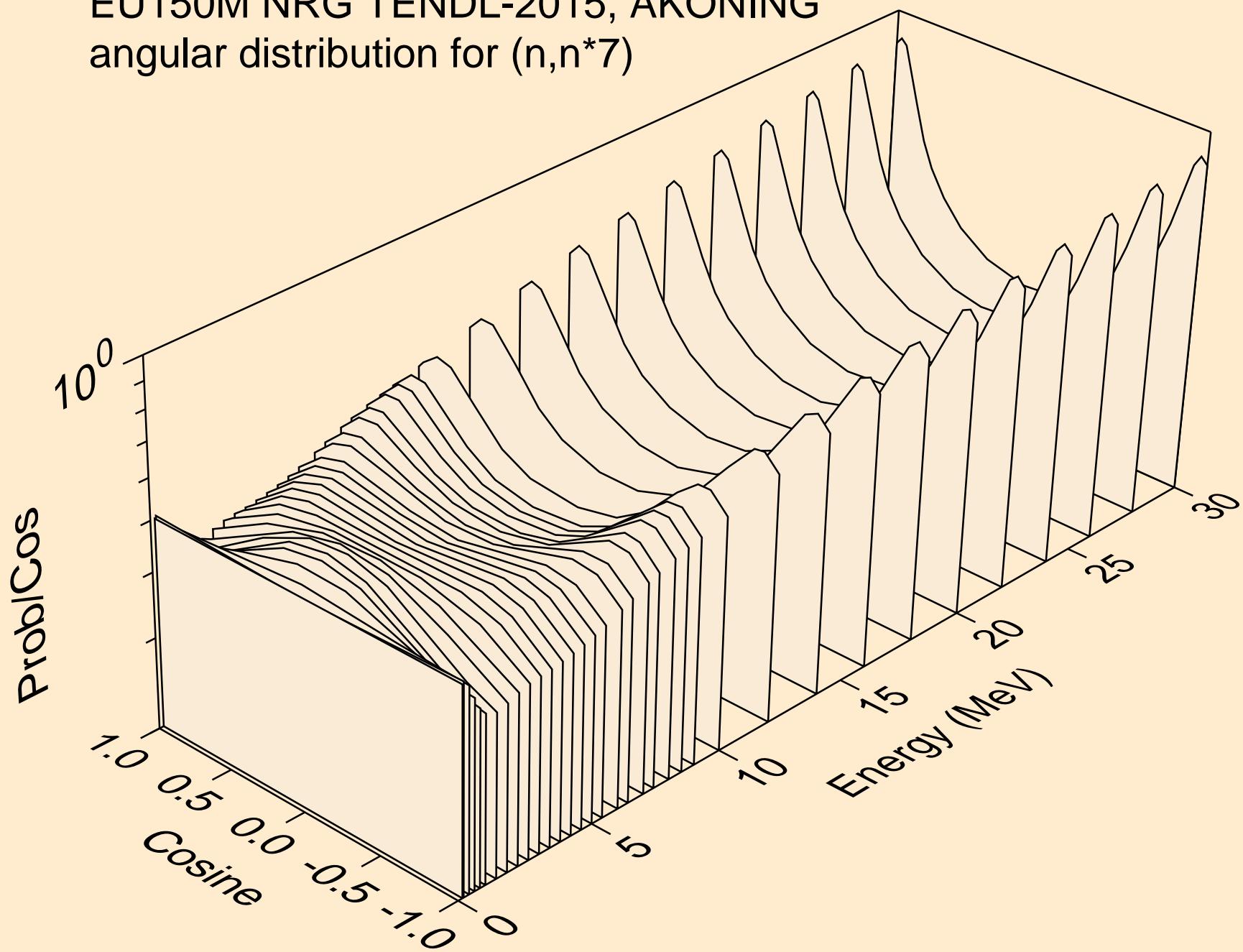
EU150M NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



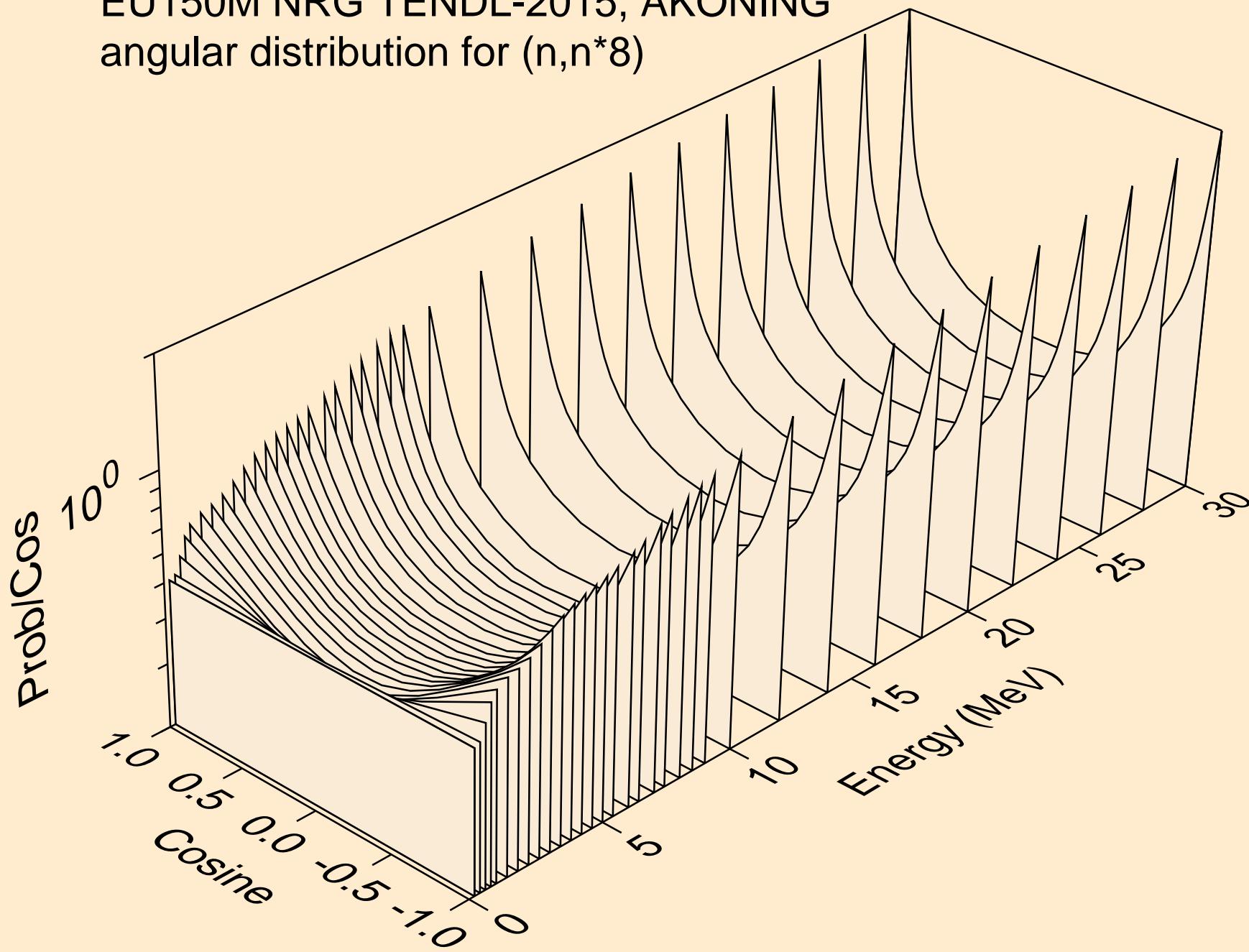
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angular distribution for  $(n,n^*6)$



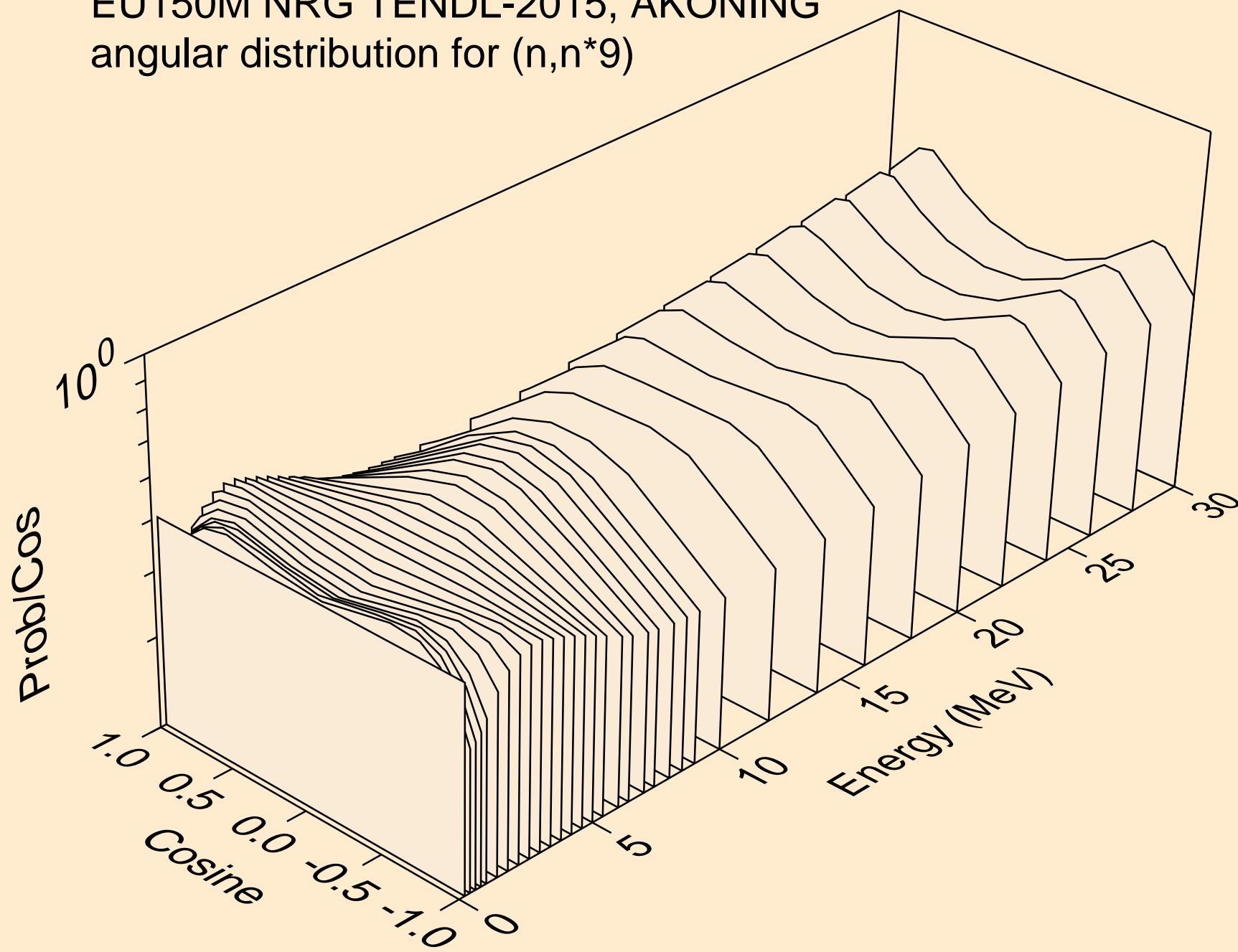
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angular distribution for  $(n,n^*)^7$



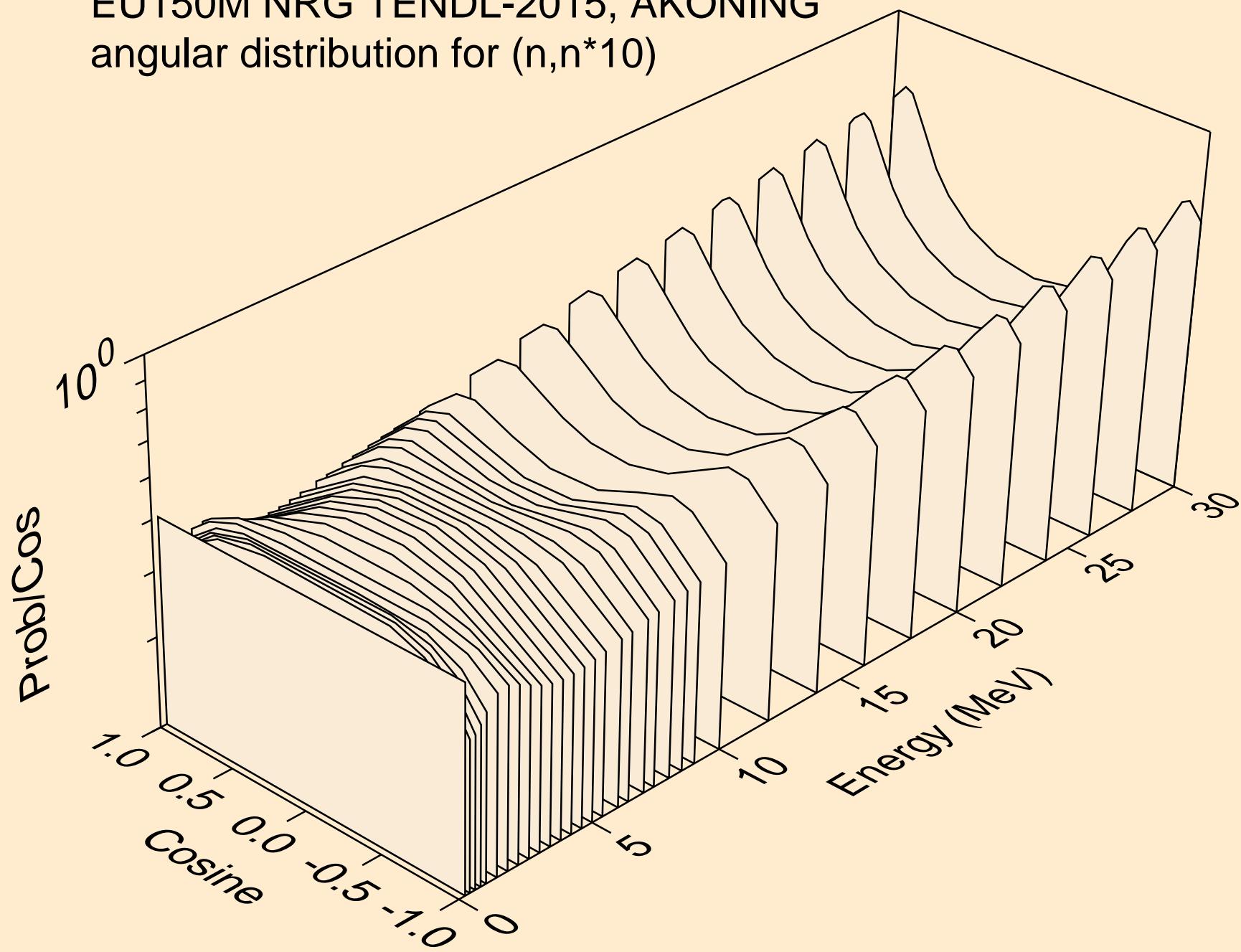
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angular distribution for  $(n,n^*)^8$



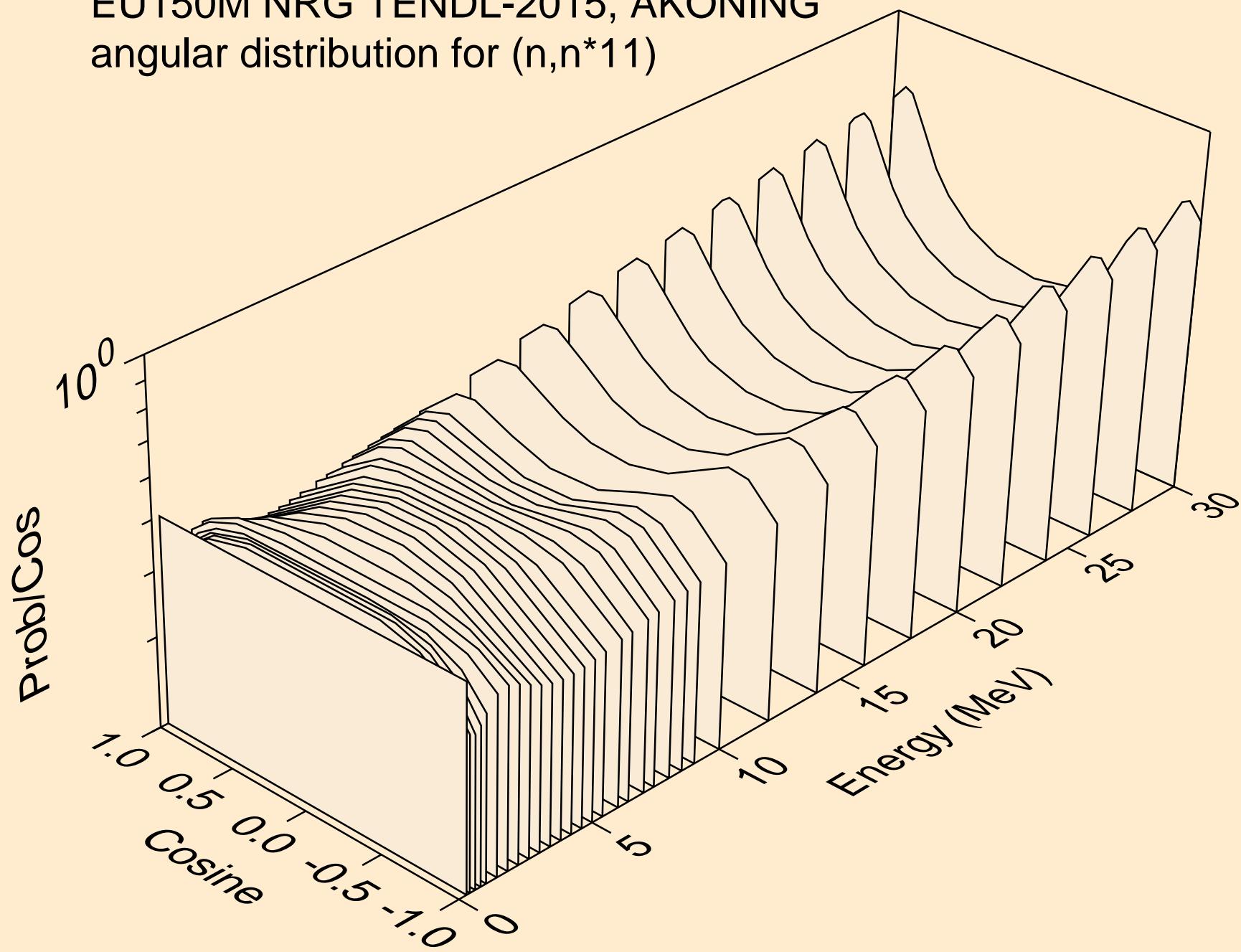
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angular distribution for  $(n,n^*)9$



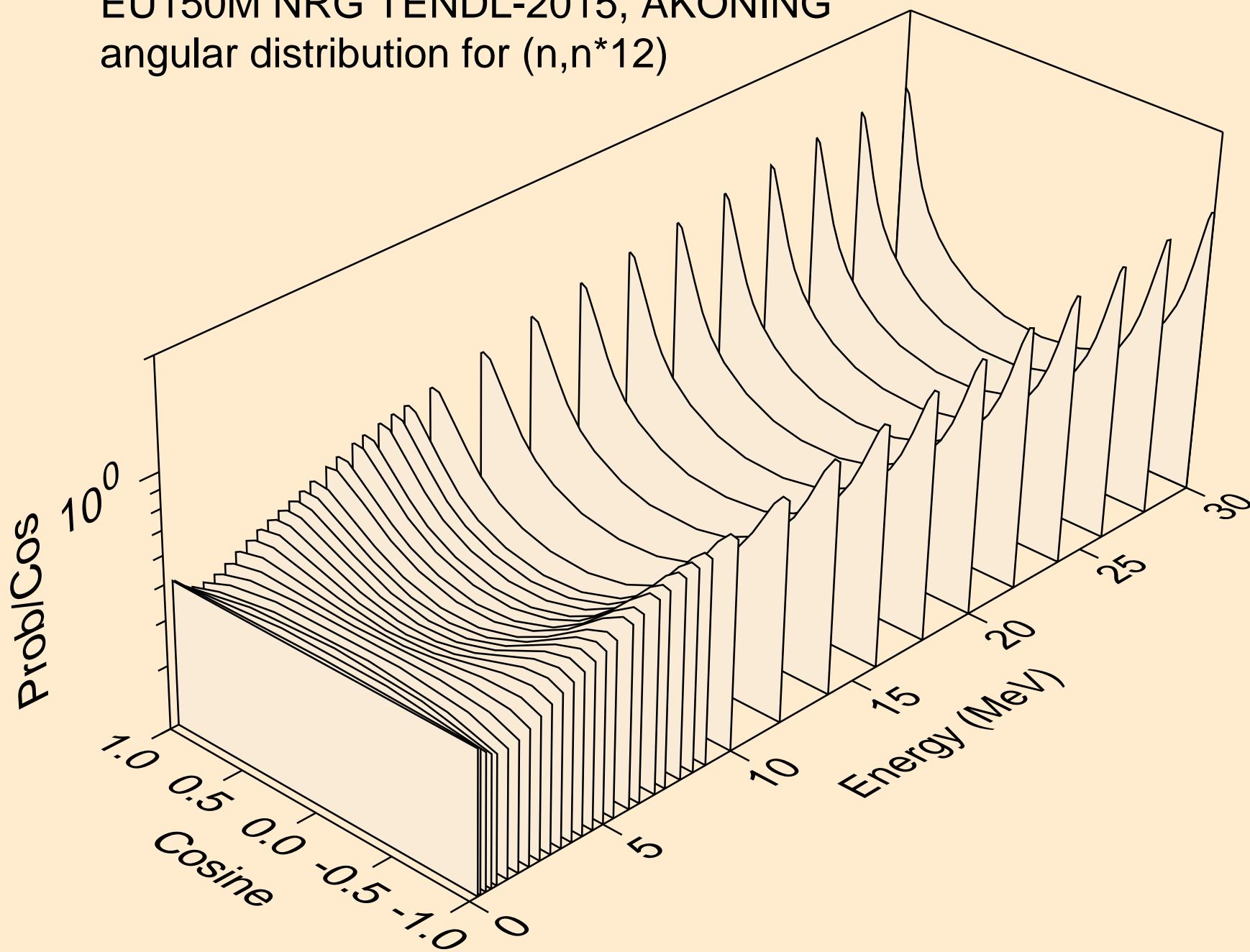
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angular distribution for (n,n\*10)



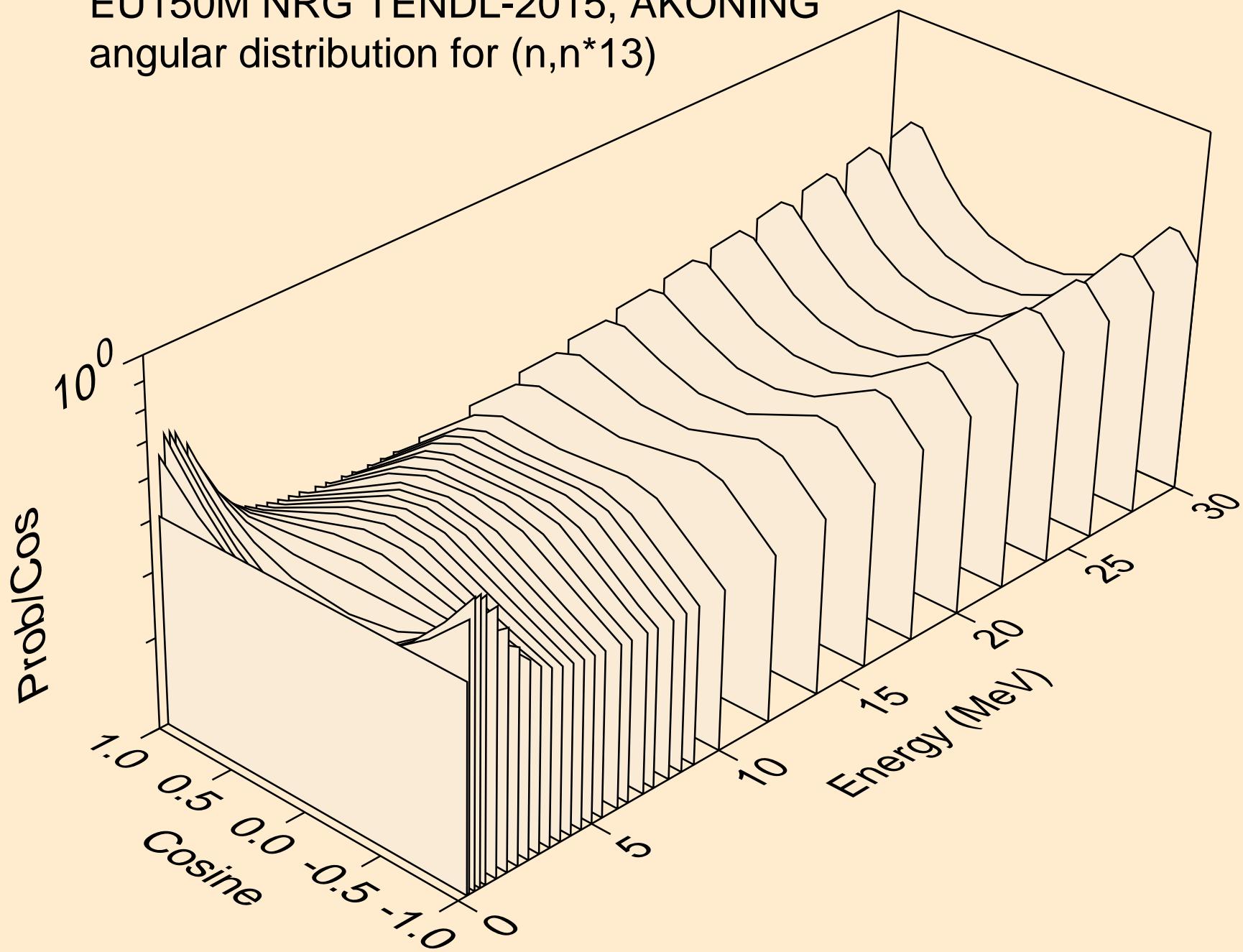
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angular distribution for (n,n\*11)



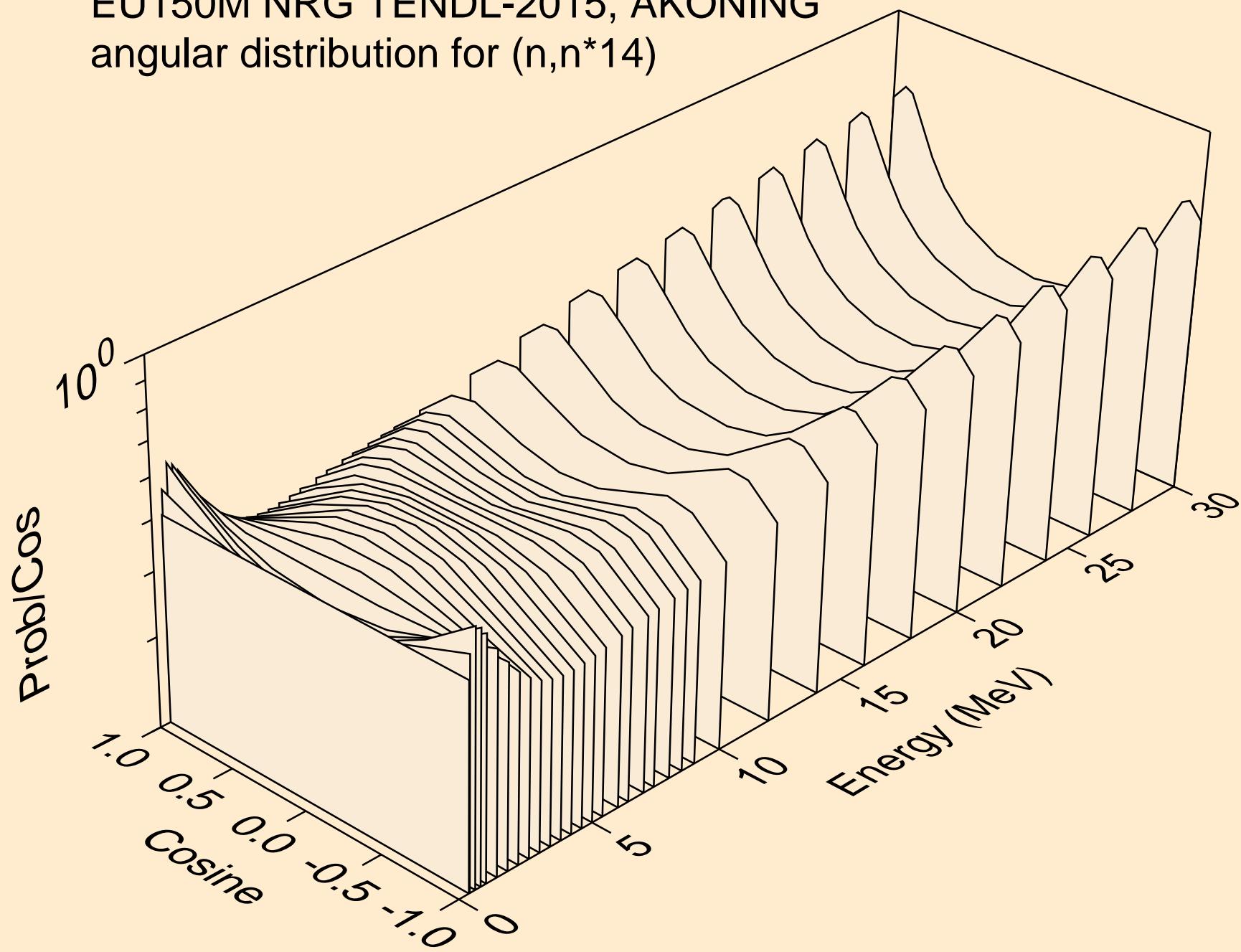
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angular distribution for  $(n,n^*12)$



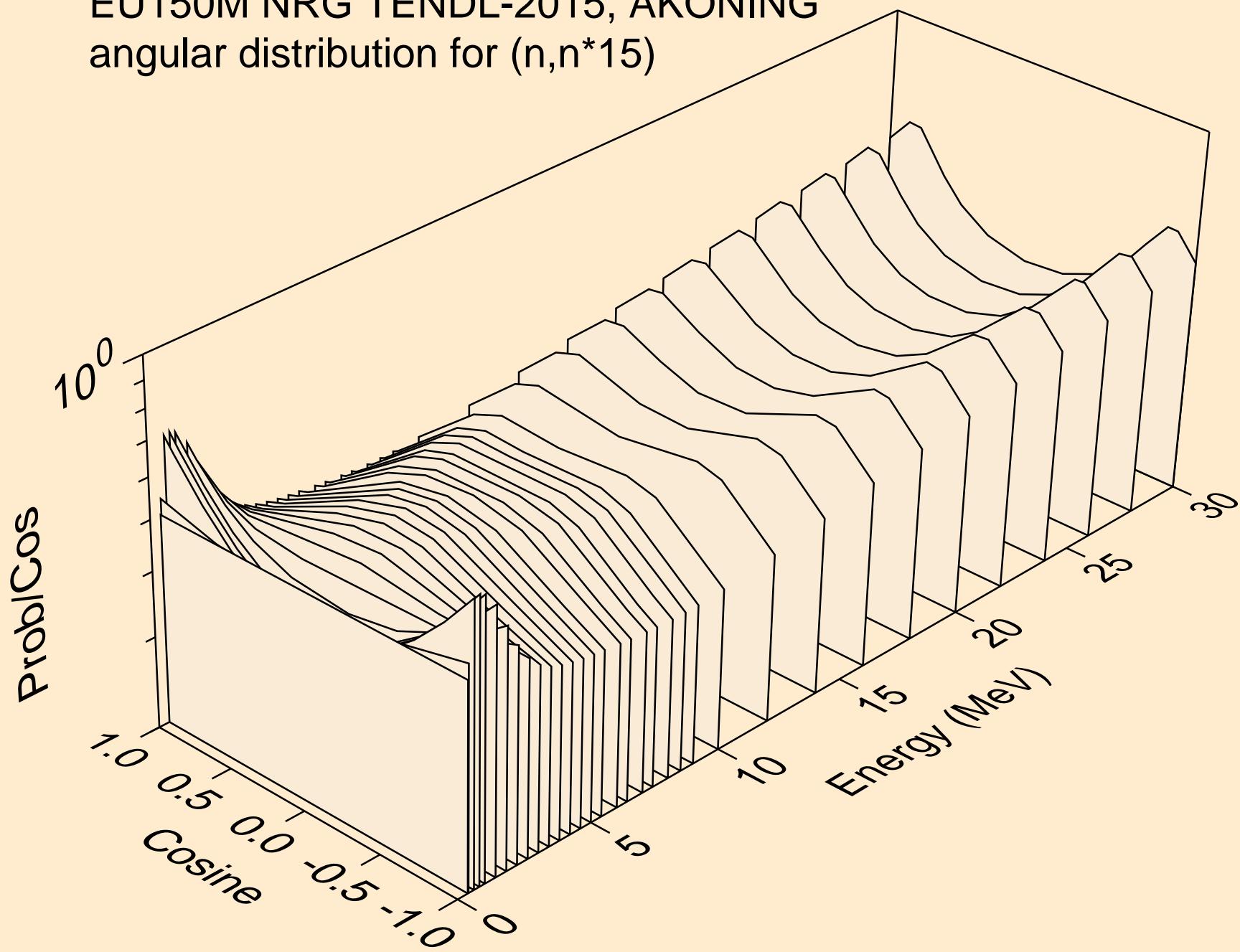
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angular distribution for  $(n,n^*13)$



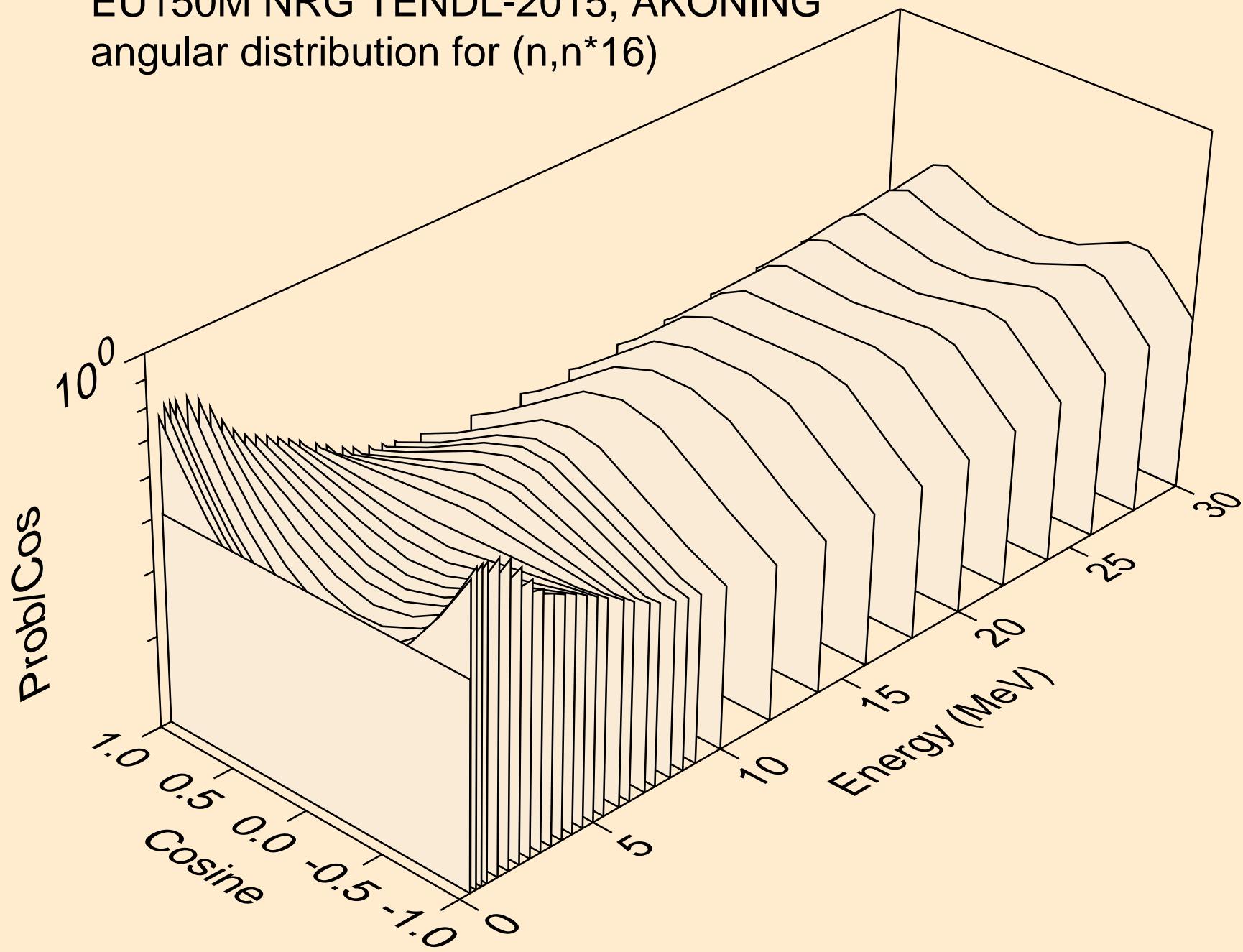
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angular distribution for (n,n\*14)



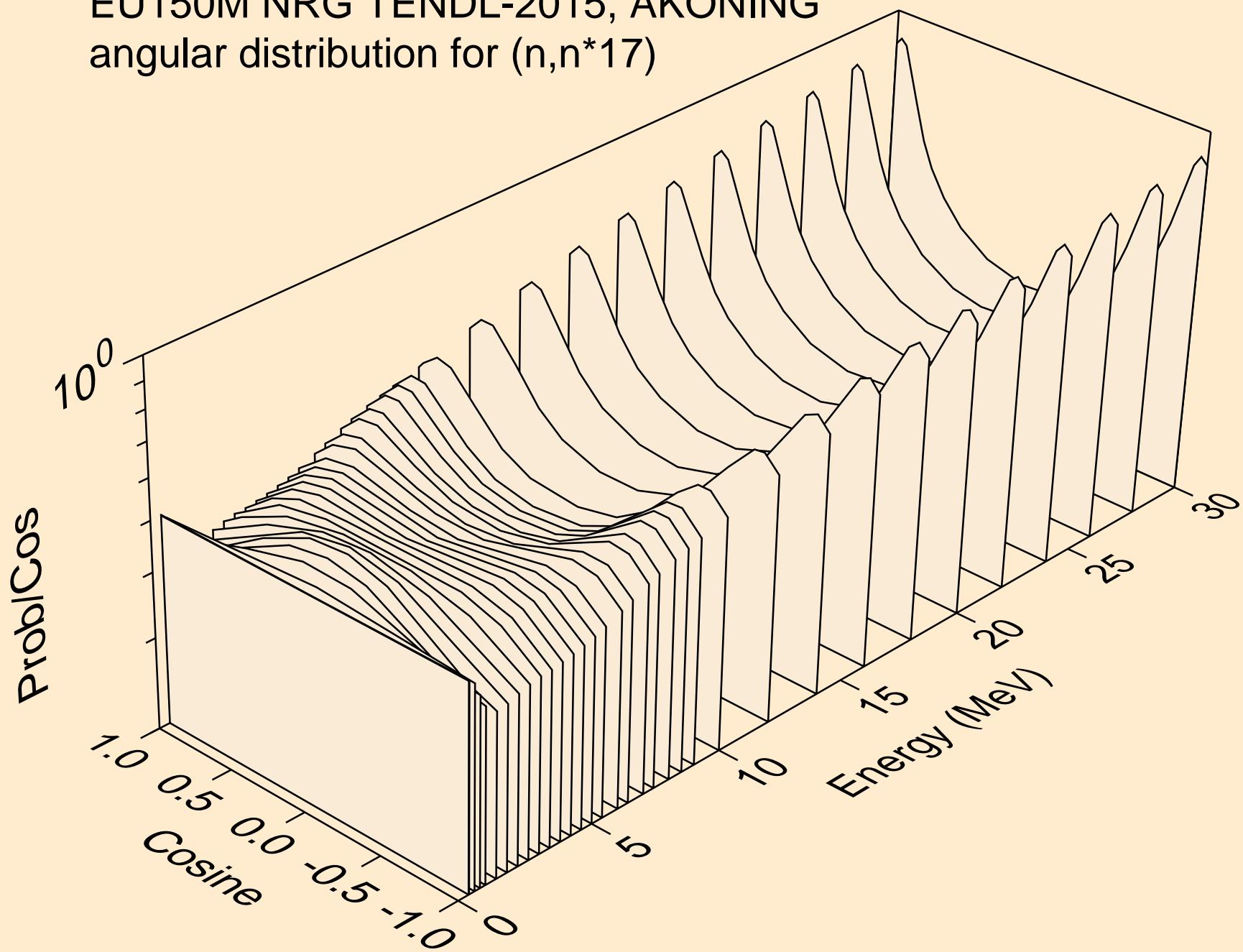
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angular distribution for  $(n,n^*15)$



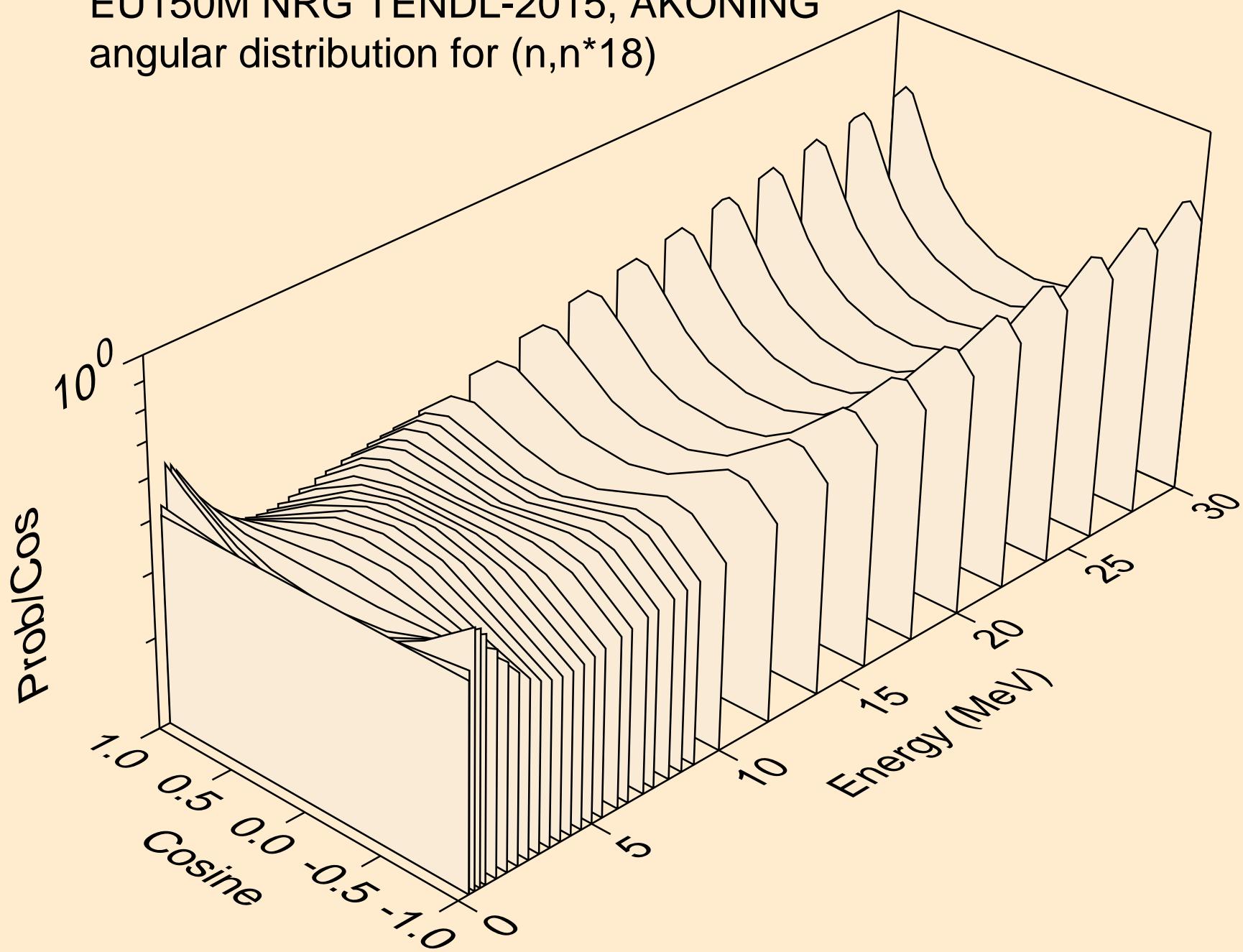
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angular distribution for (n,n\*16)



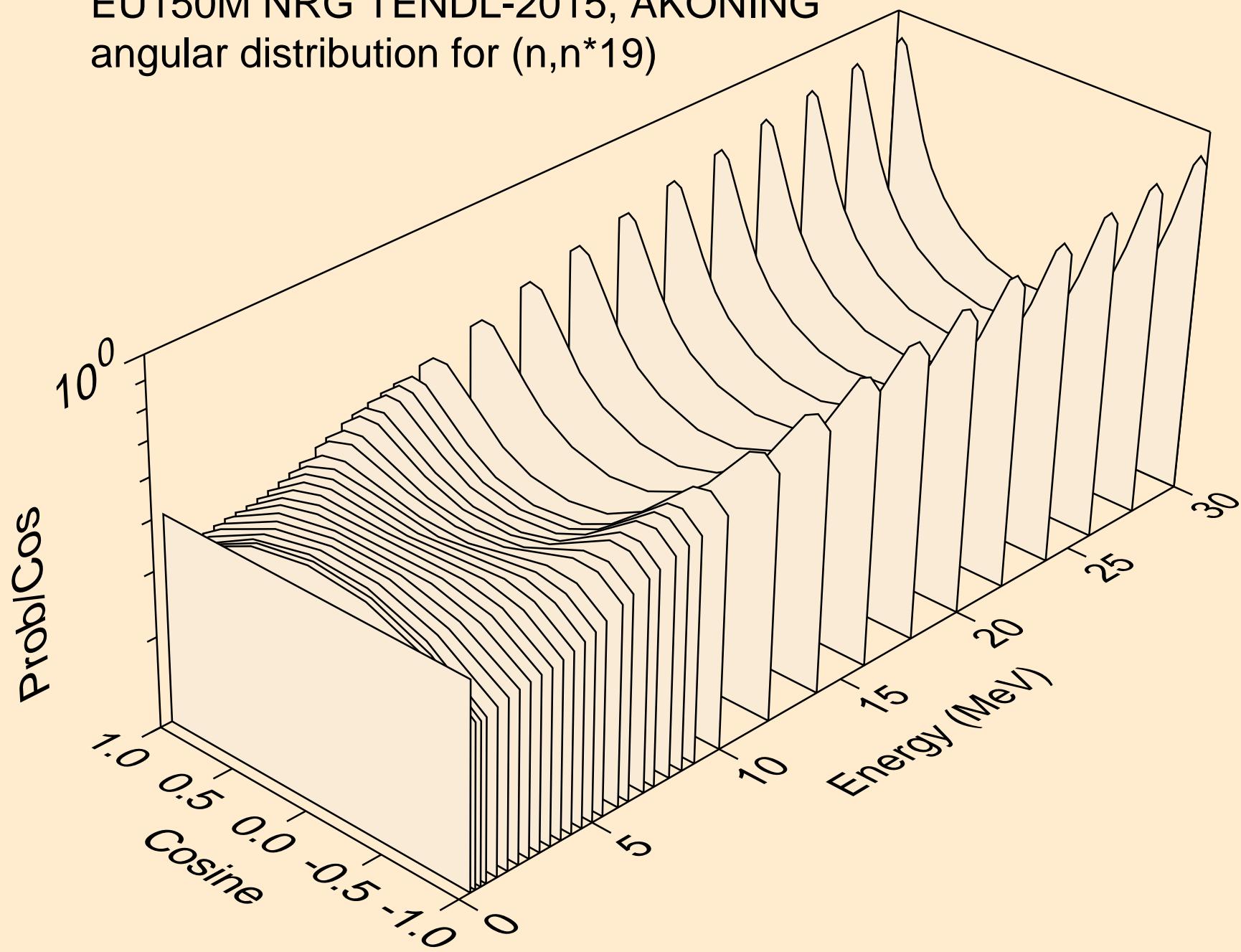
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angular distribution for (n,n\*17)



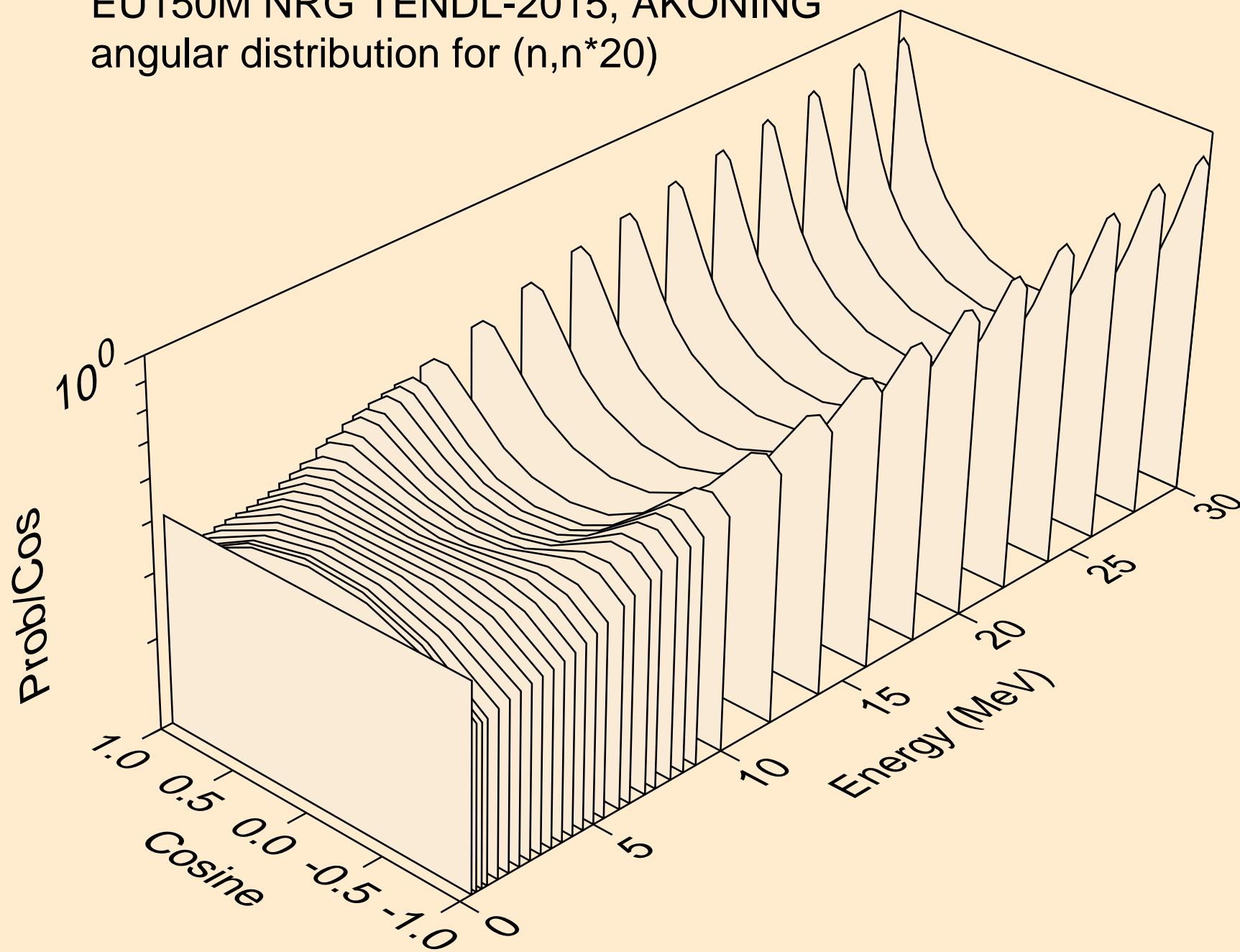
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angular distribution for  $(n,n^*18)$



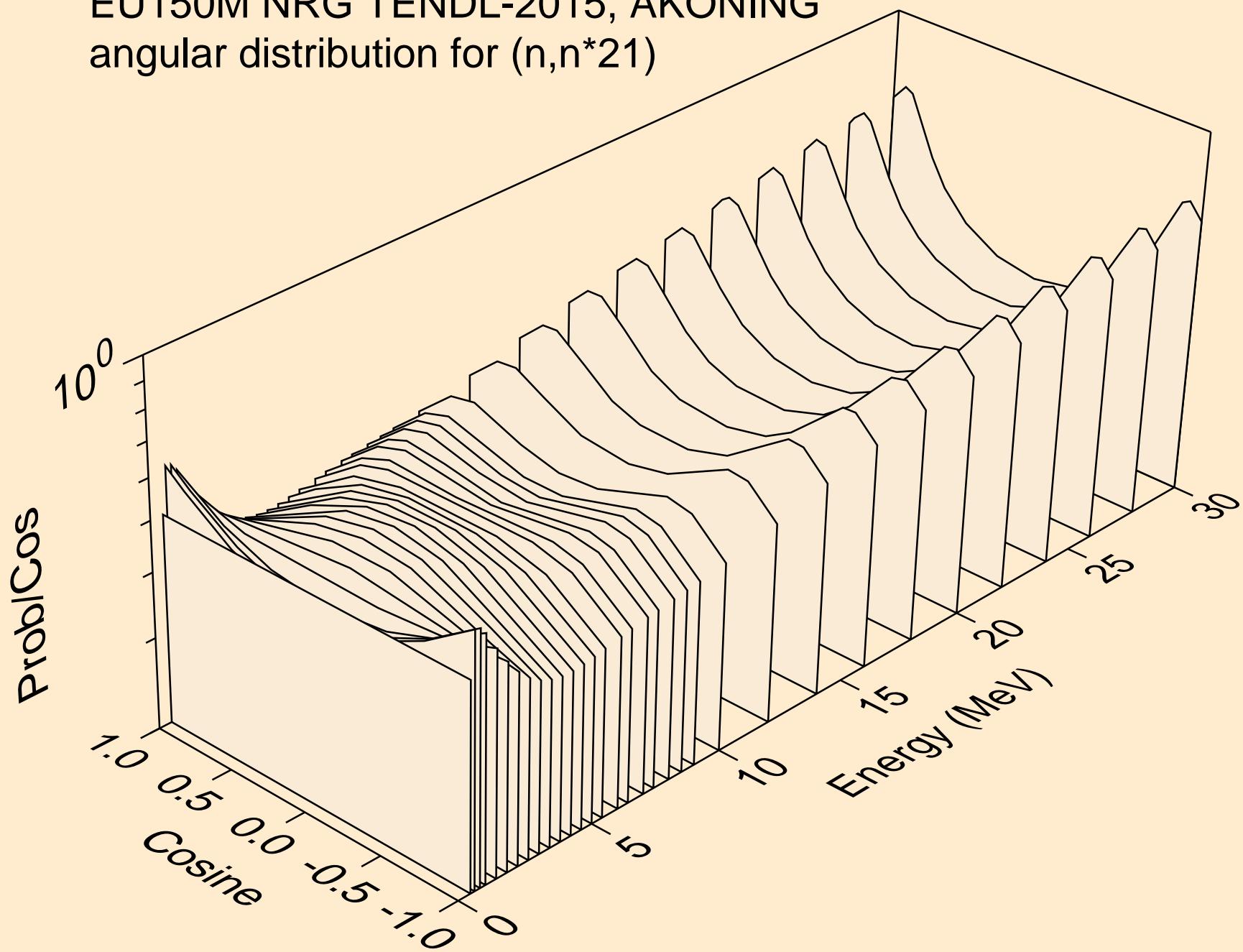
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angular distribution for (n,n\*19)



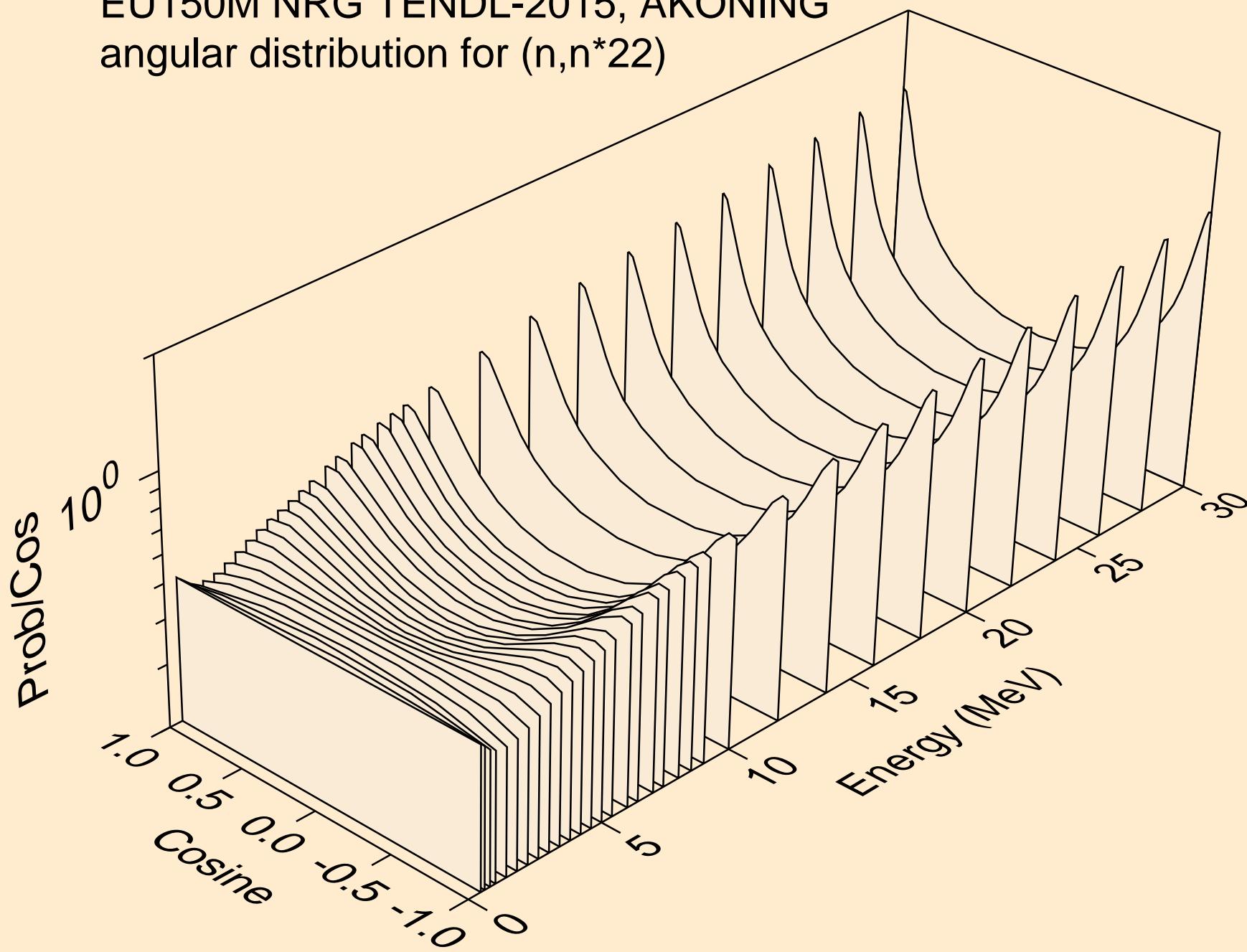
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angular distribution for (n,n\*20)



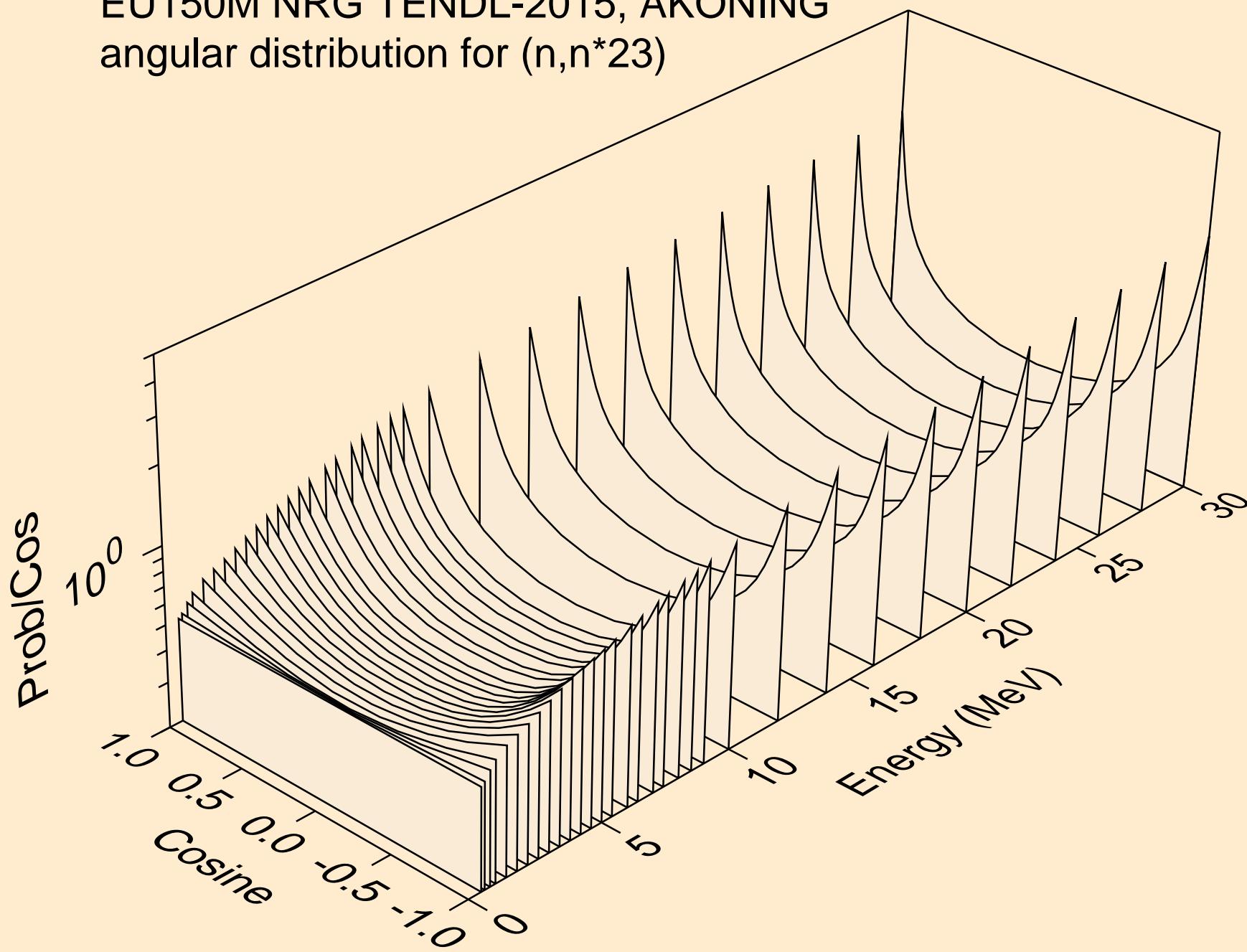
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angular distribution for  $(n,n^*21)$



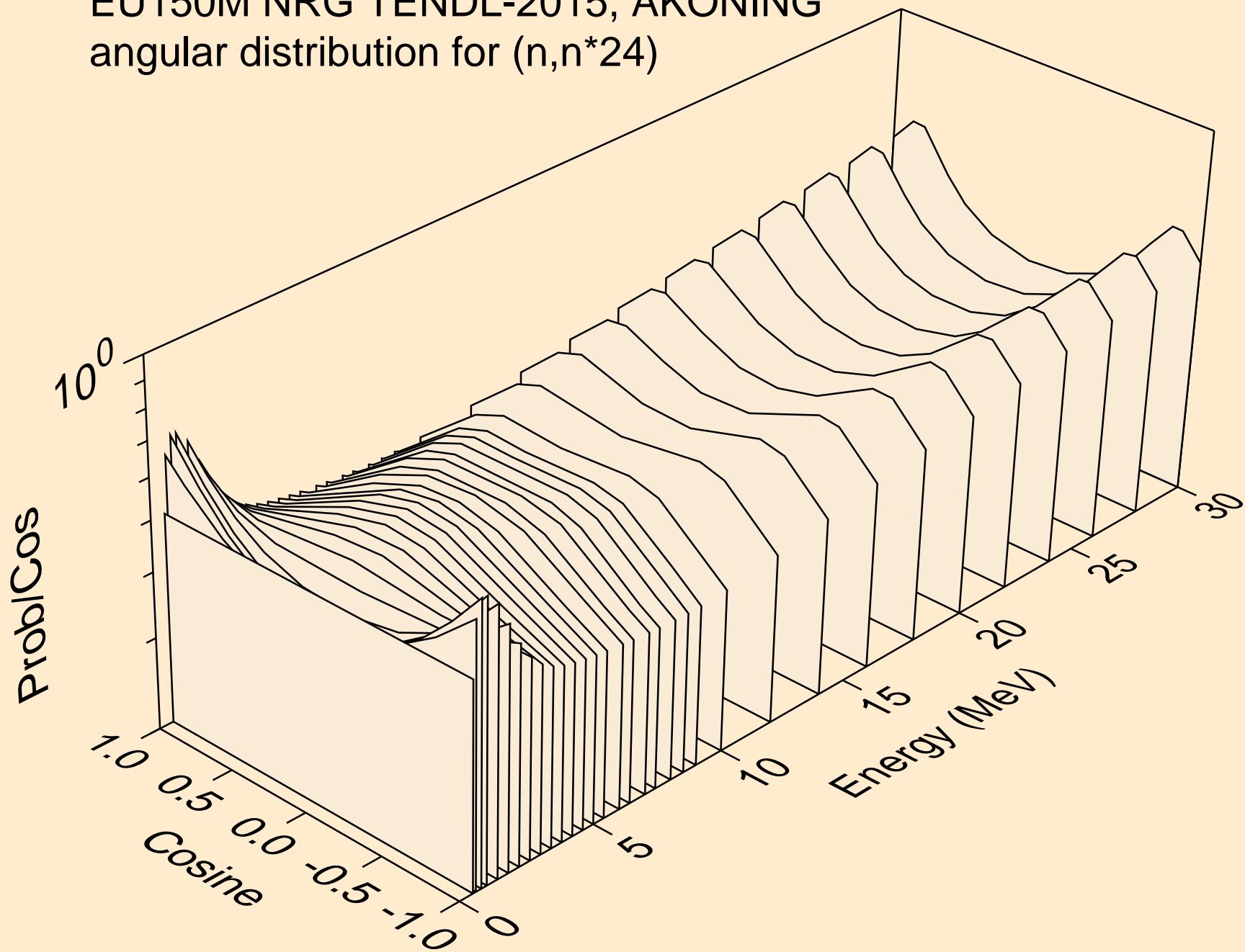
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angular distribution for  $(n,n^*)^{22}$



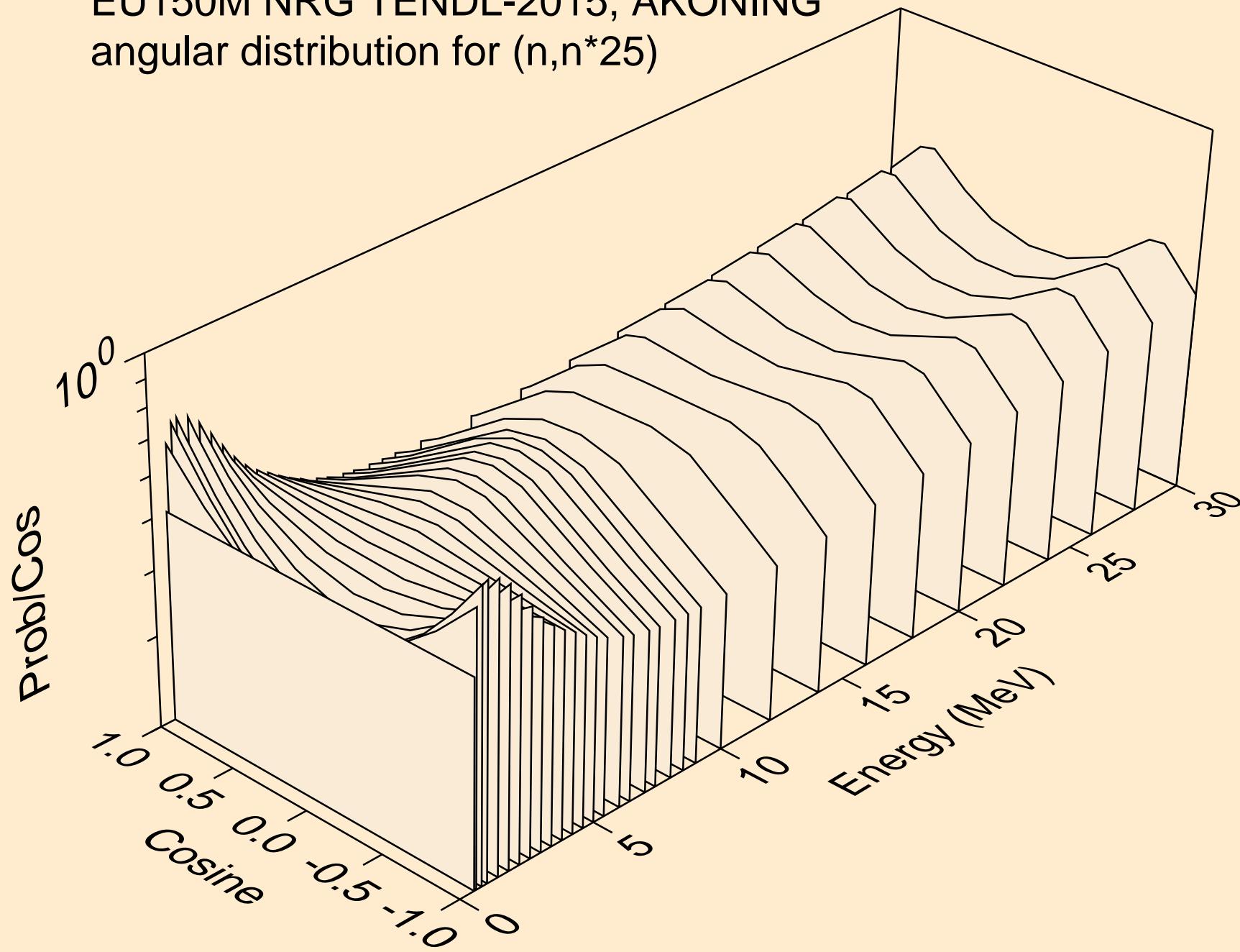
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angular distribution for  $(n,n^*)_{23}$



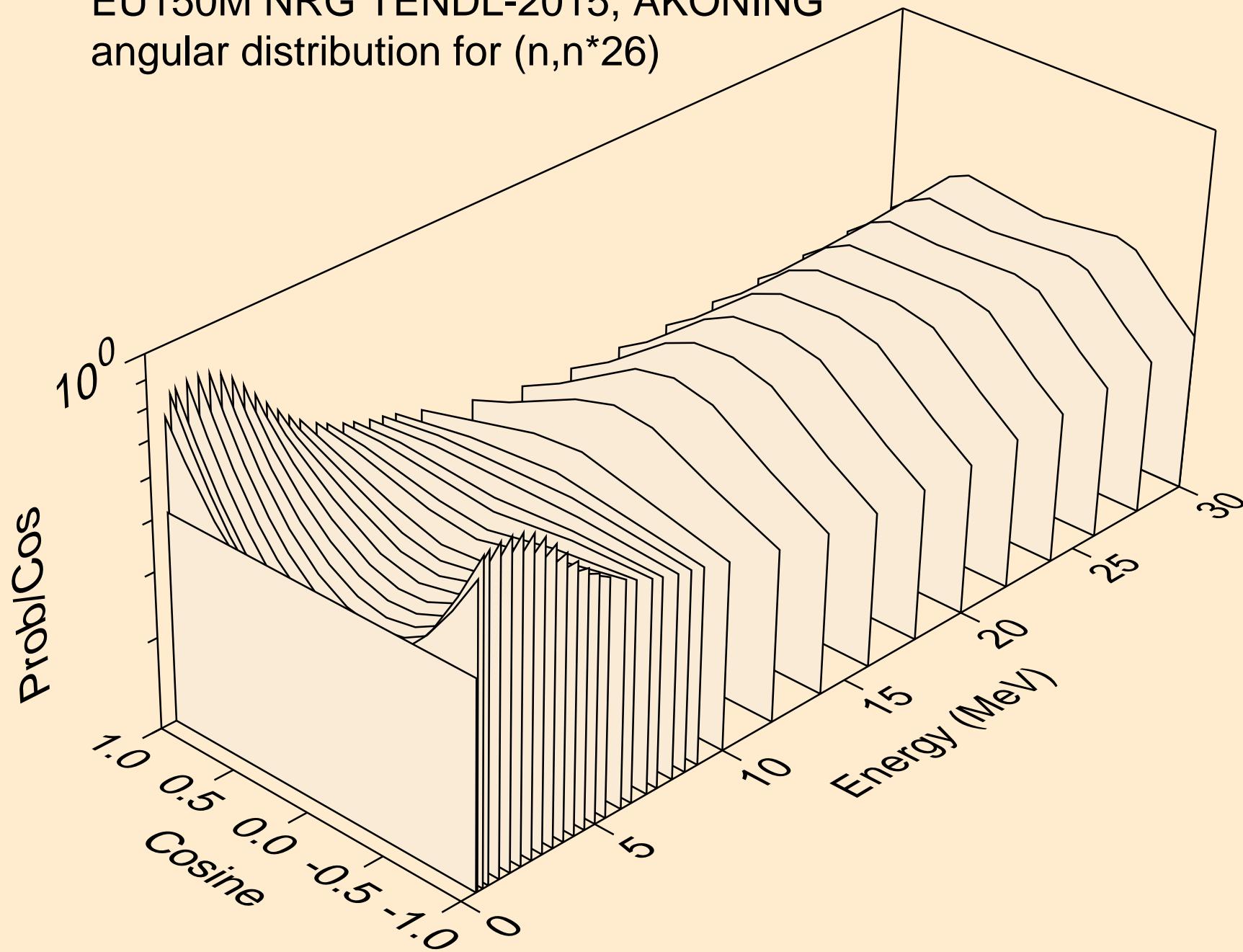
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angular distribution for  $(n,n^*)^{24}$



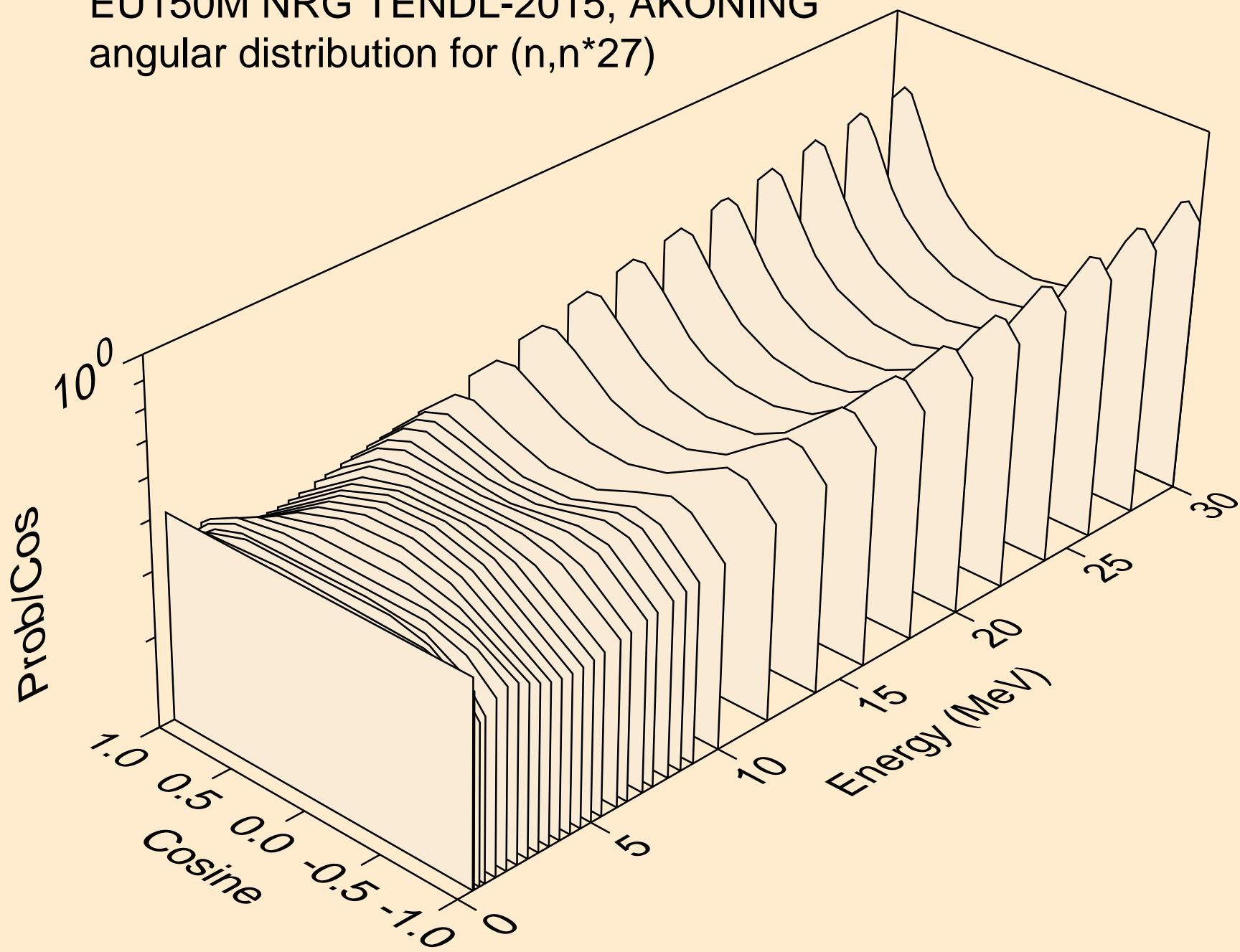
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angular distribution for (n,n\*25)



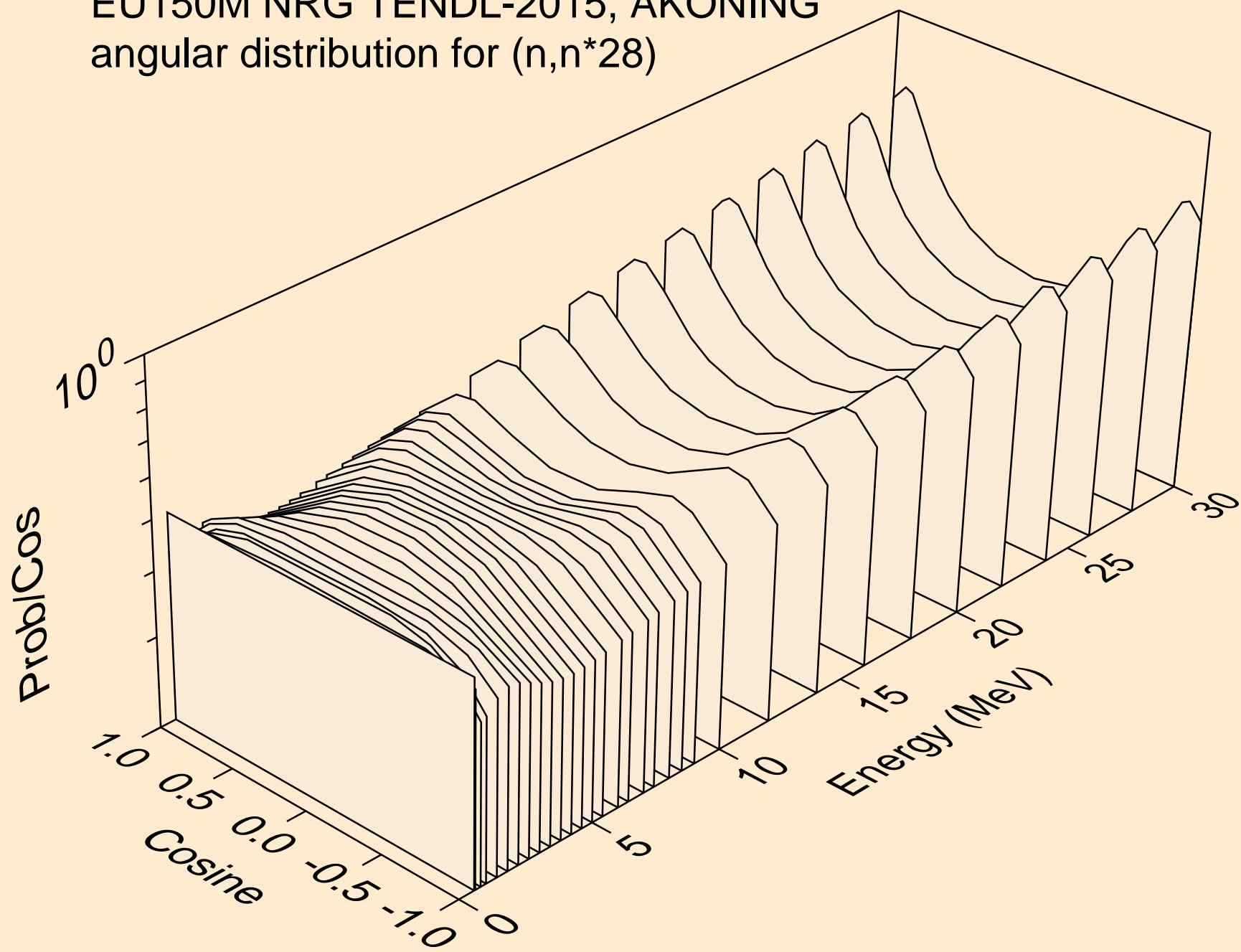
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angular distribution for (n,n\*26)



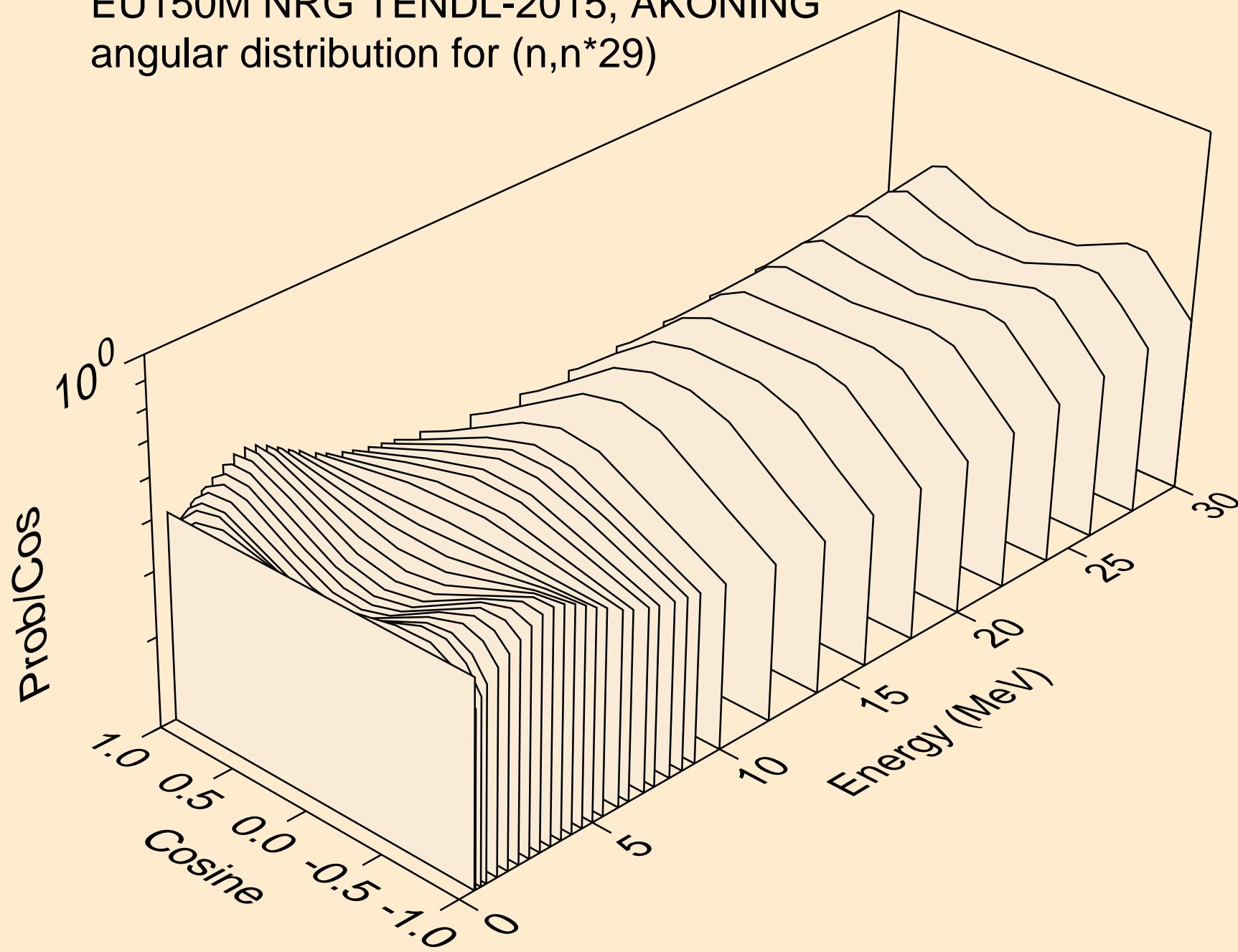
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angular distribution for  $(n,n^*27)$



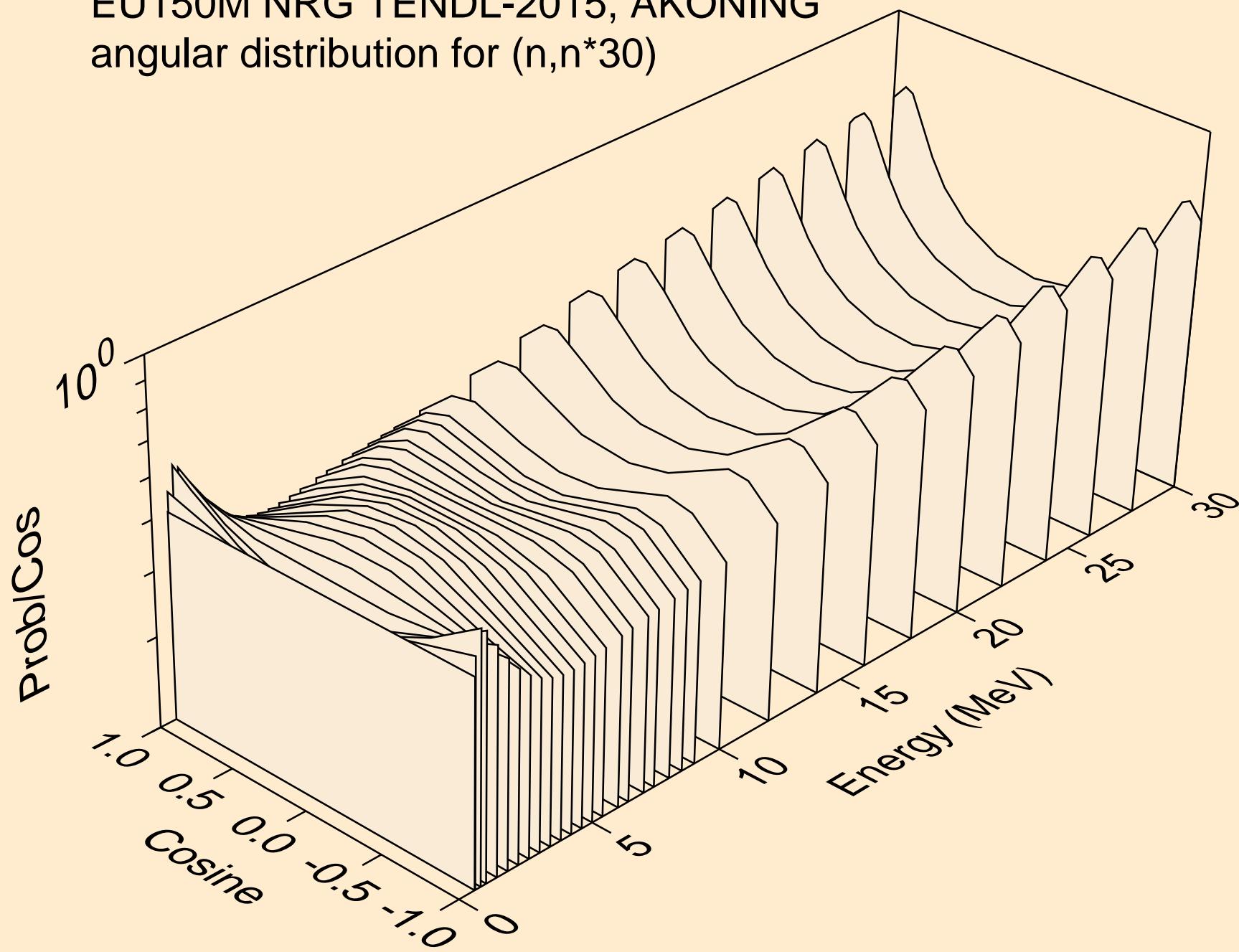
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angular distribution for  $(n,n^*)^{28}$



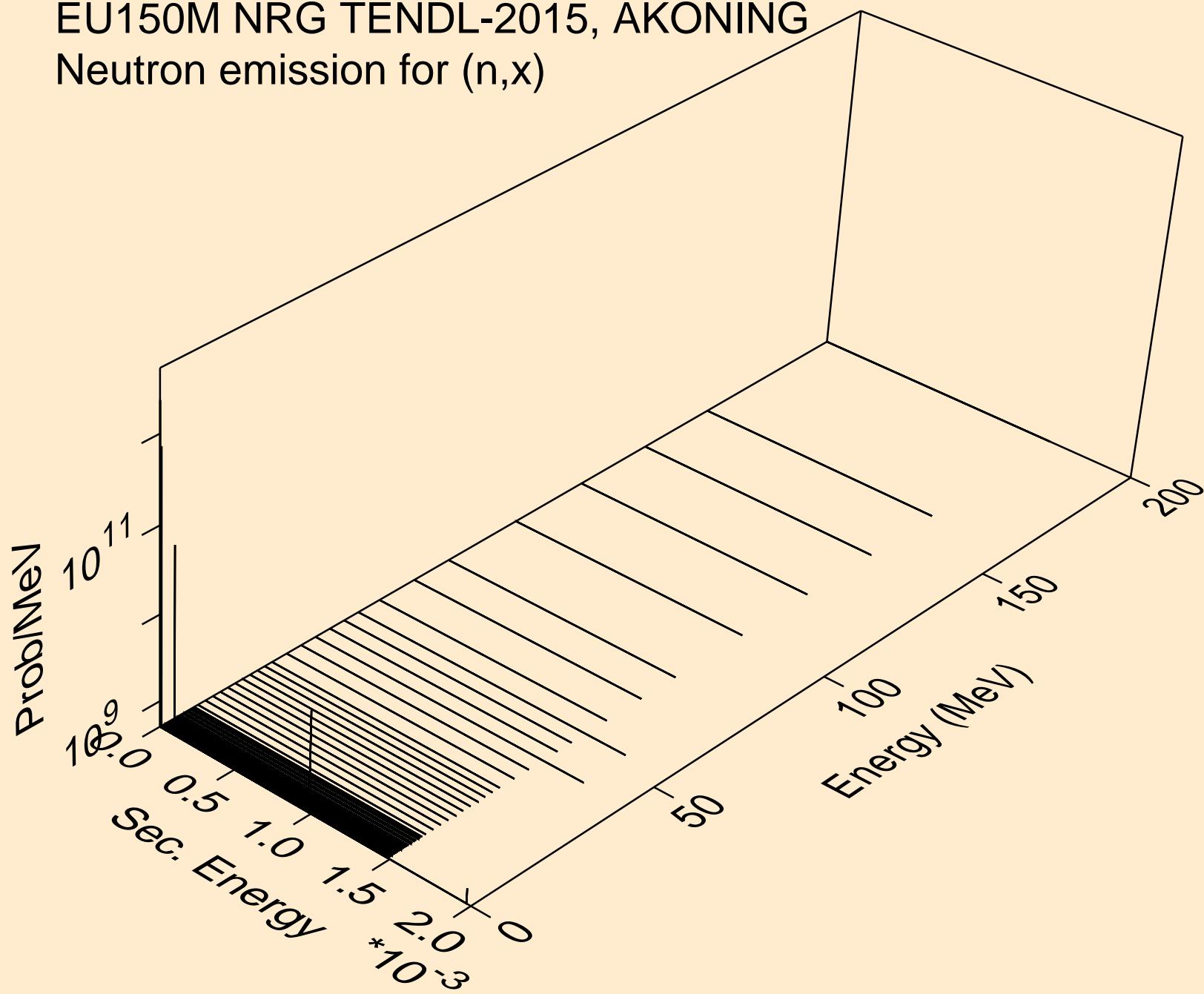
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angular distribution for  $(n,n^*29)$



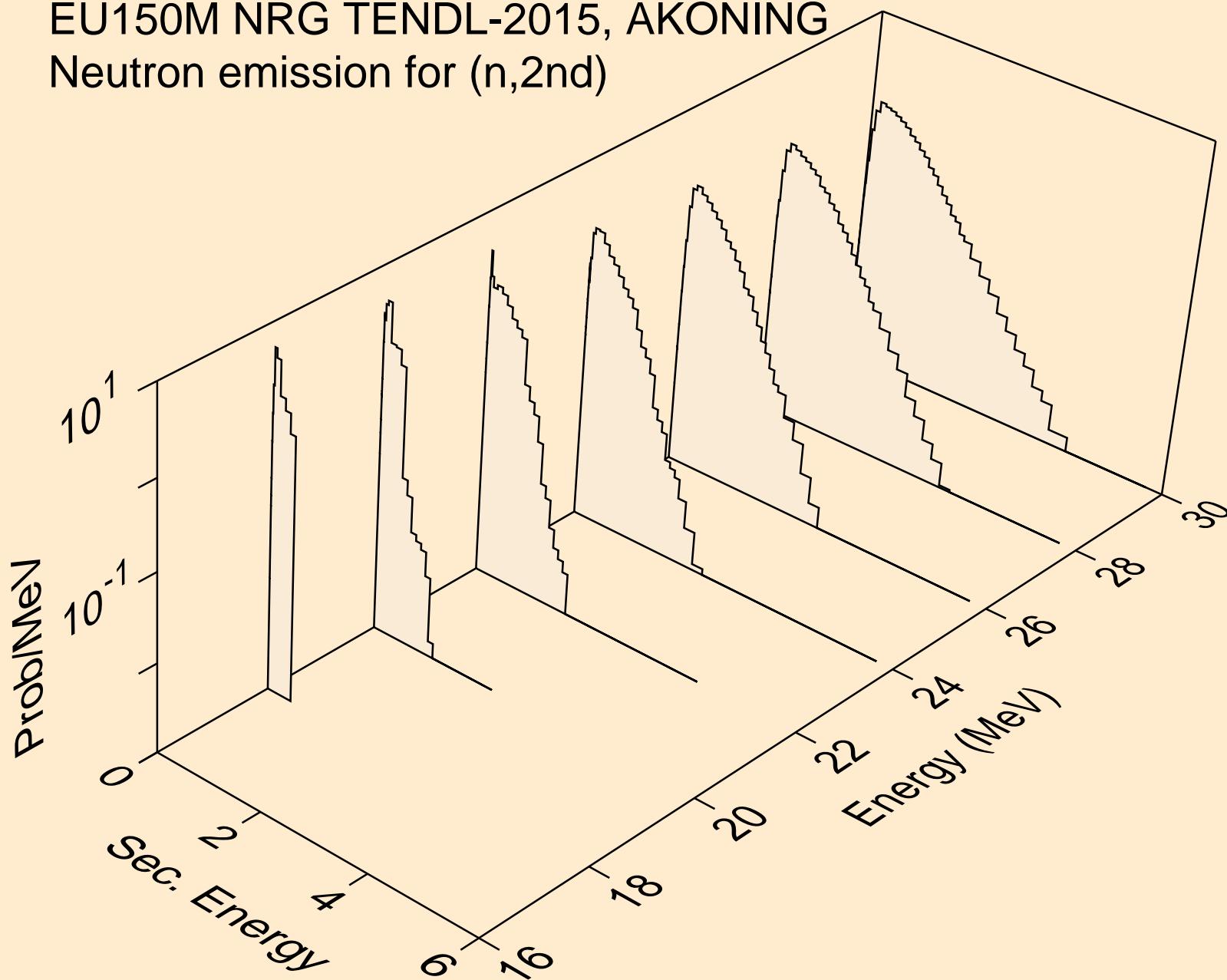
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angular distribution for (n,n\*30)



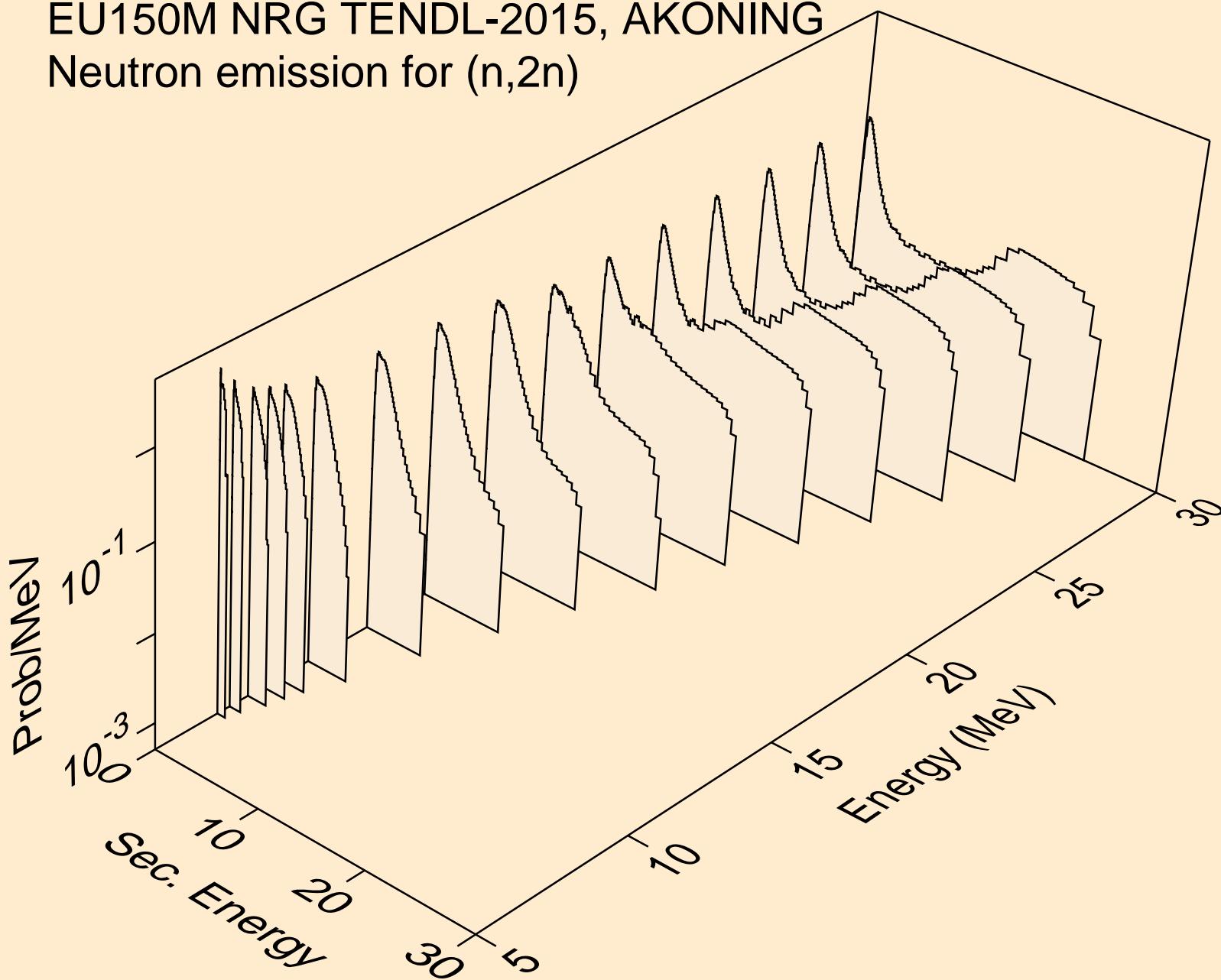
EU150M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



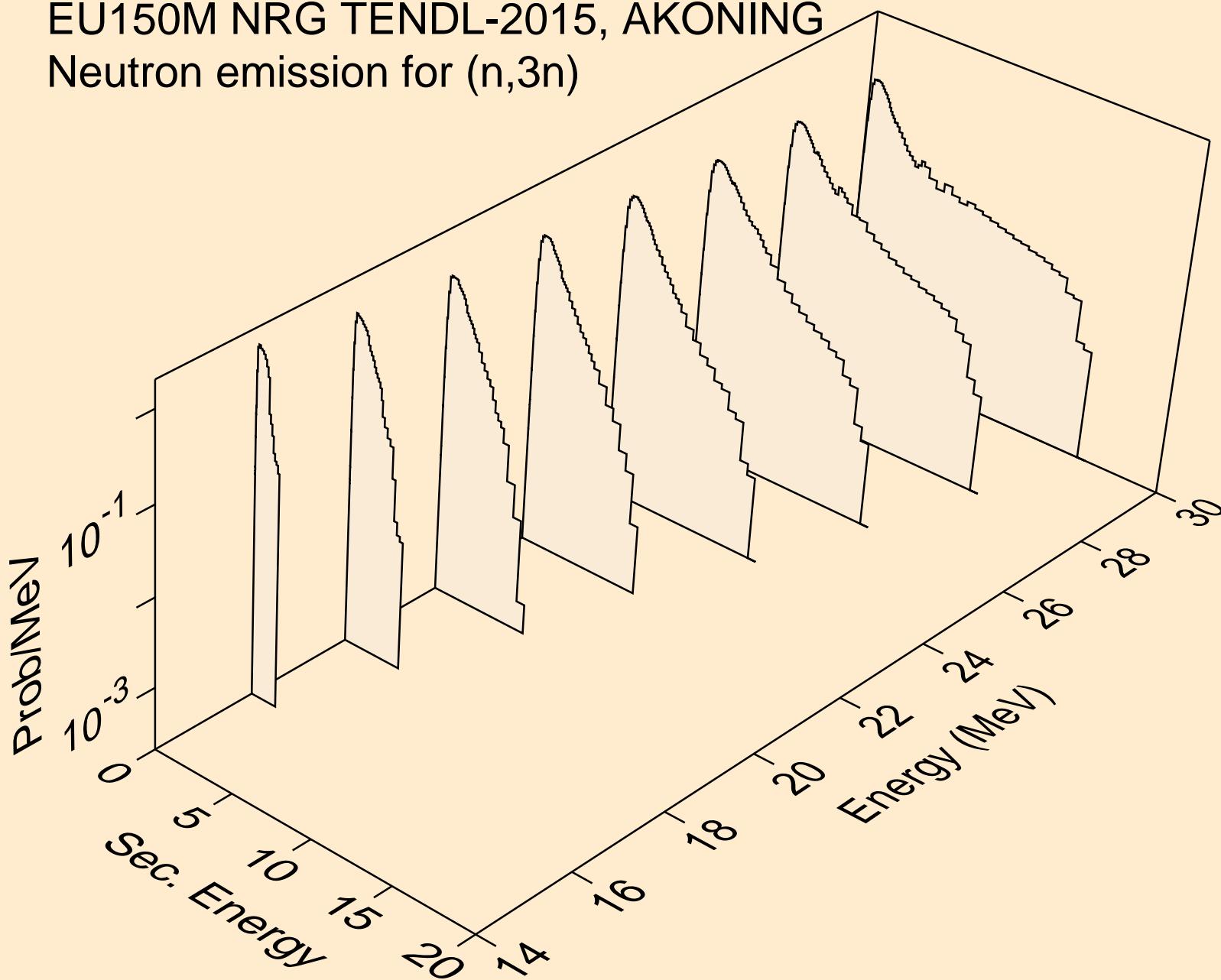
EU150M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



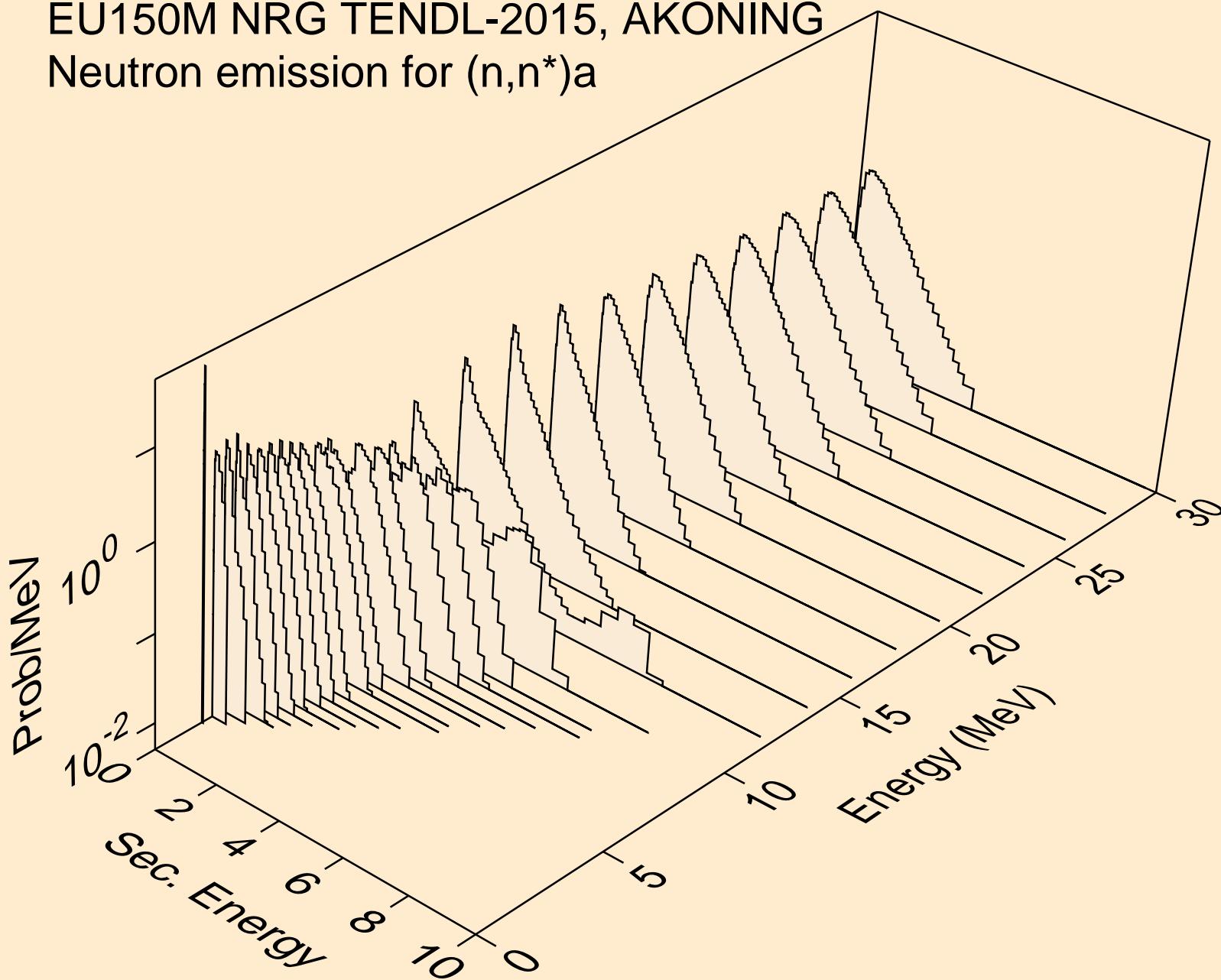
EU150M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



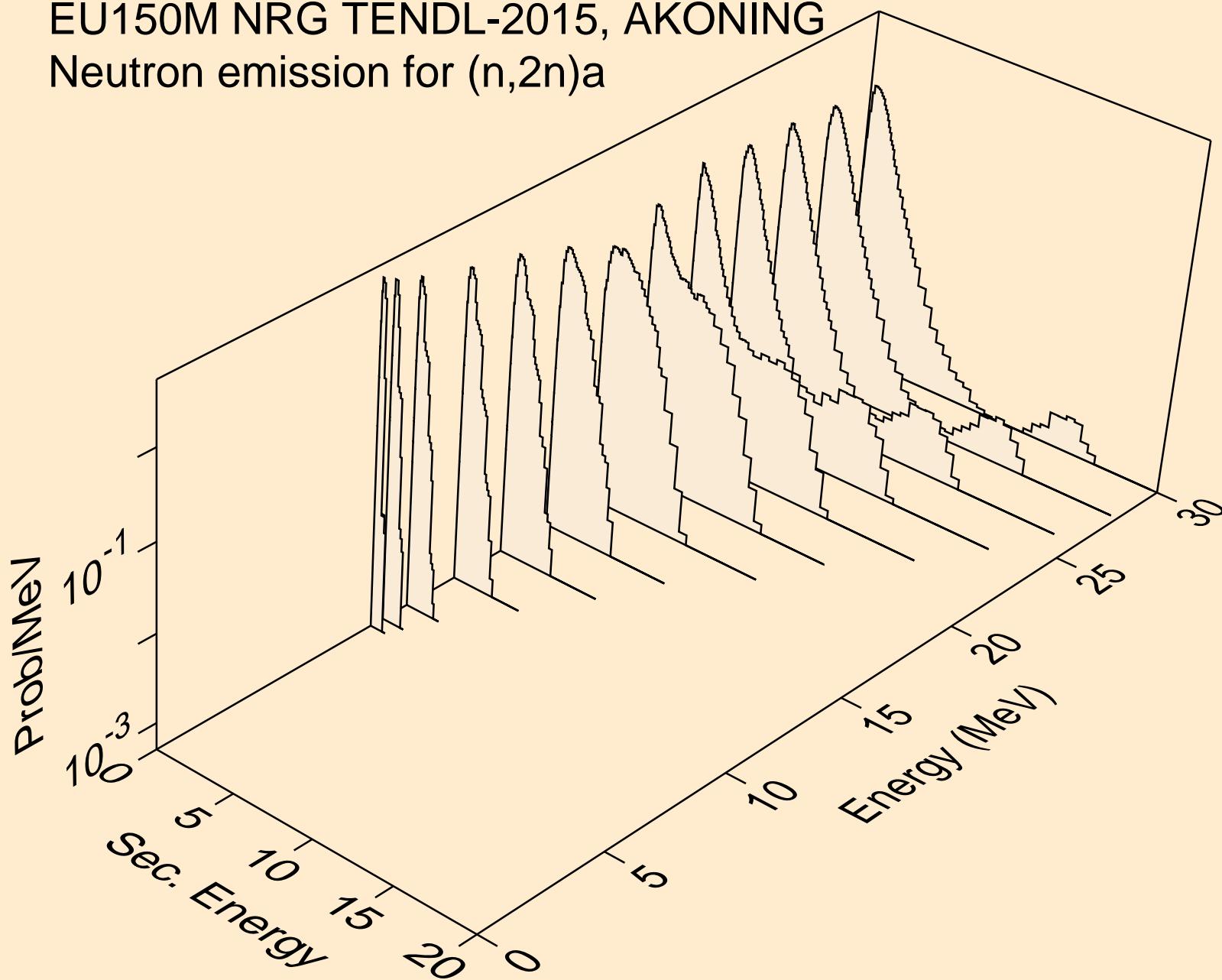
EU150M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



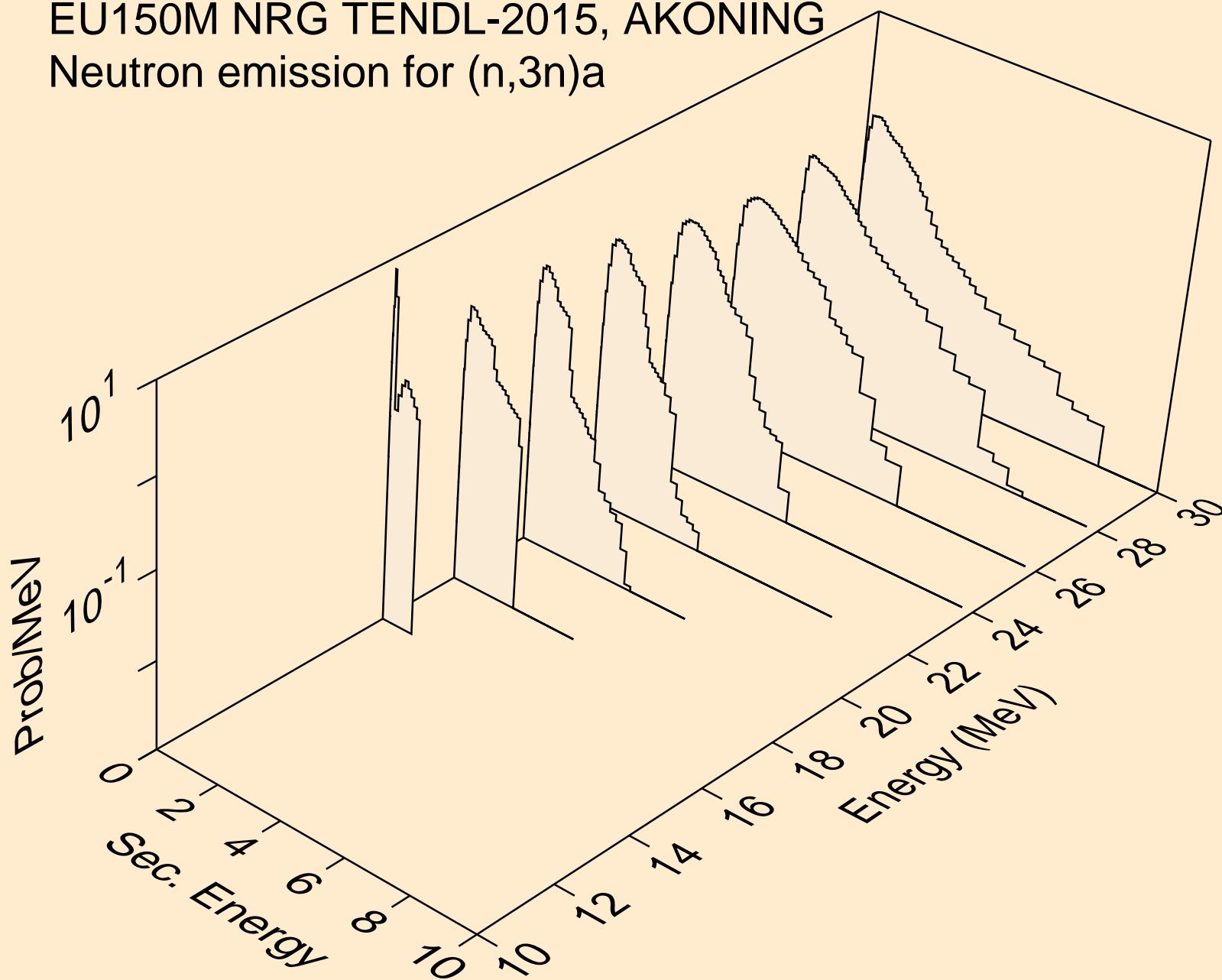
EU150M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



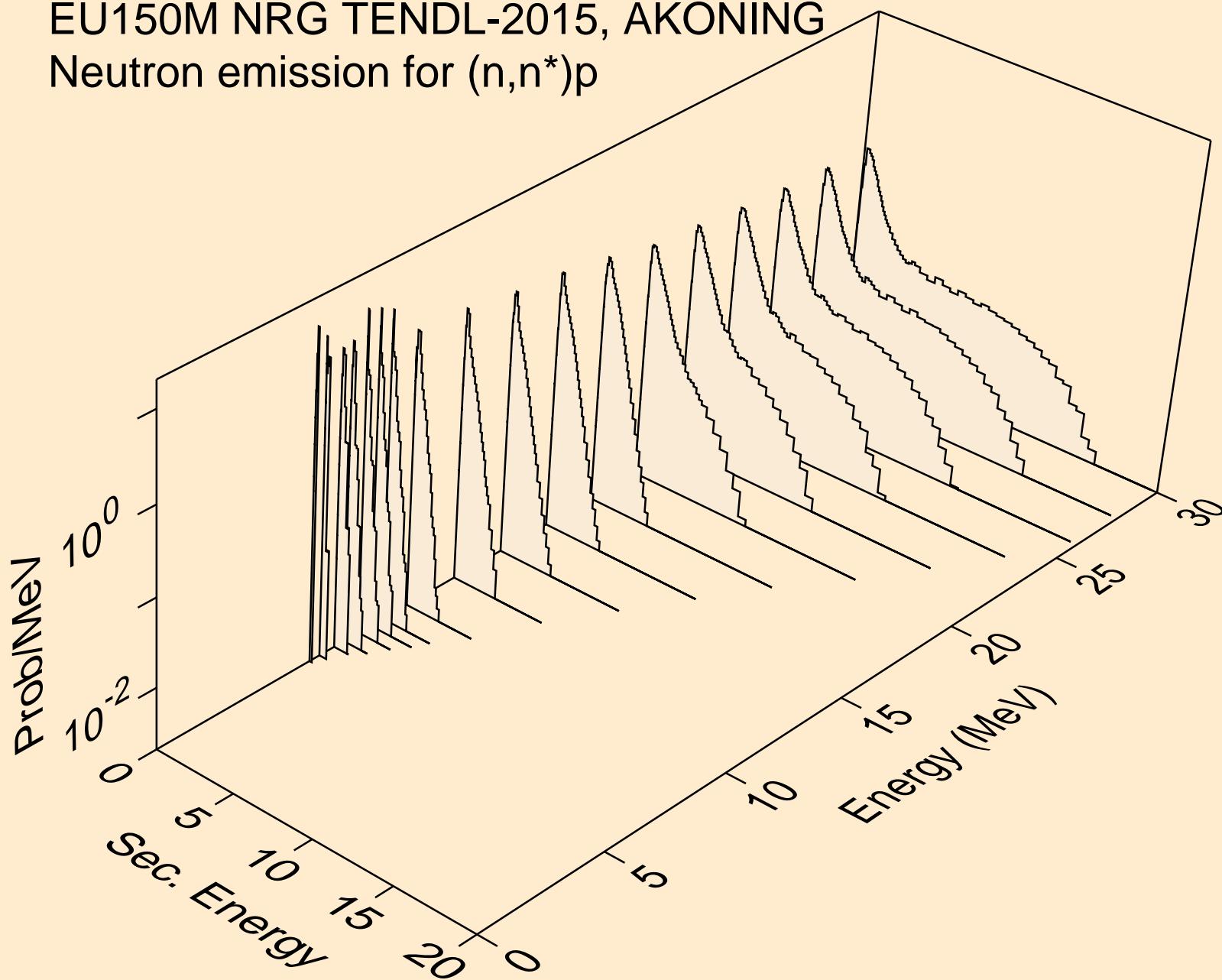
EU150M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



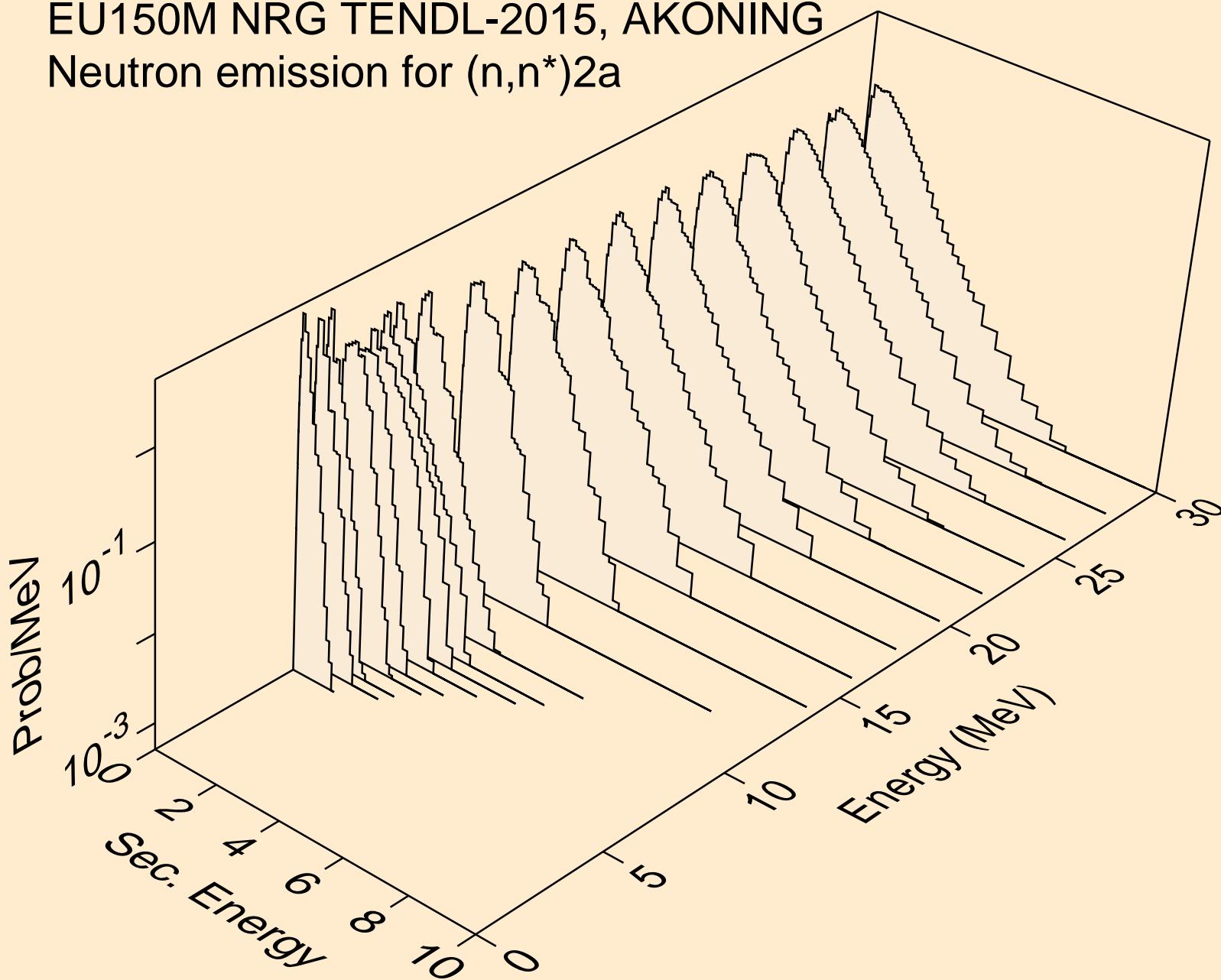
EU150M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



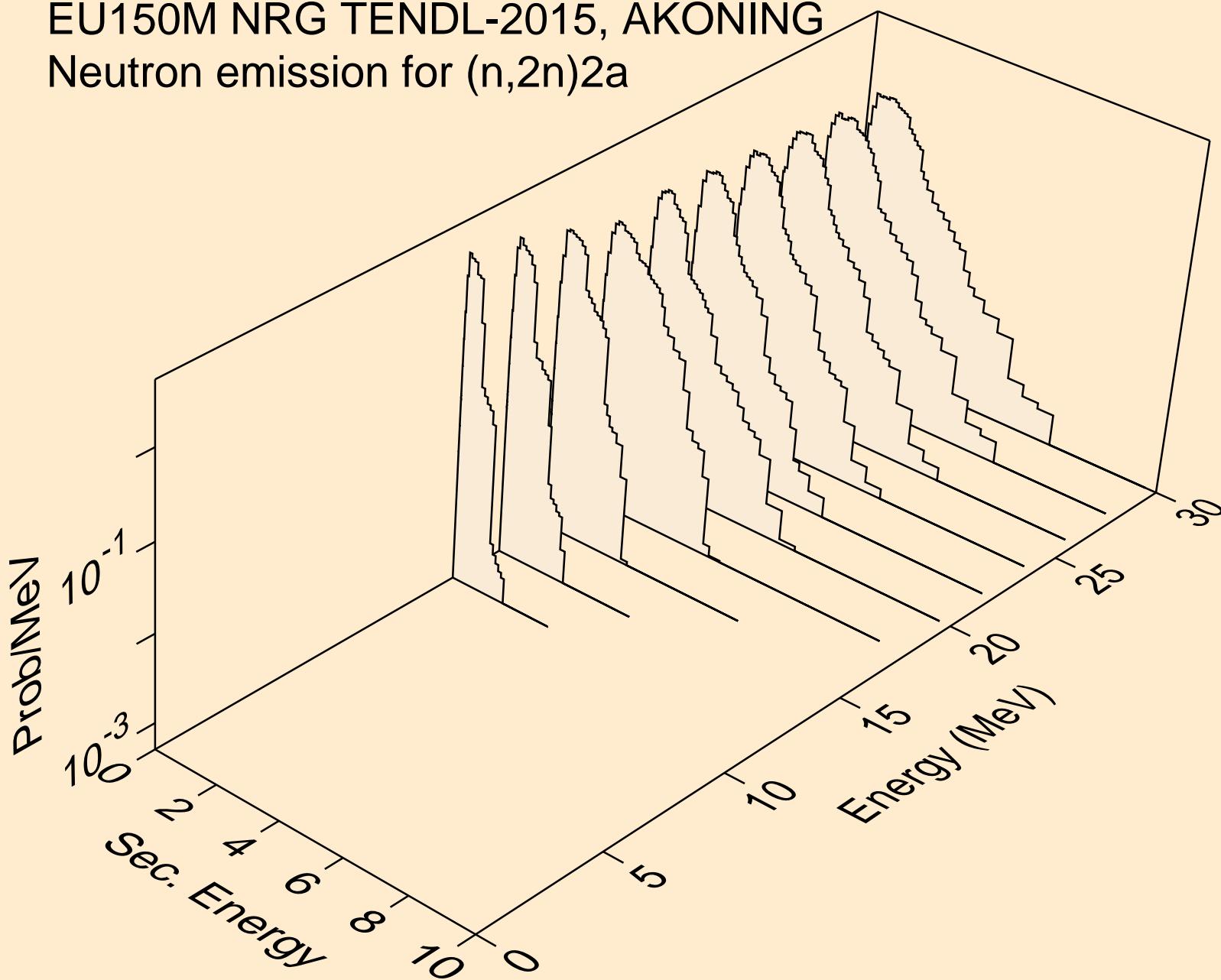
EU150M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



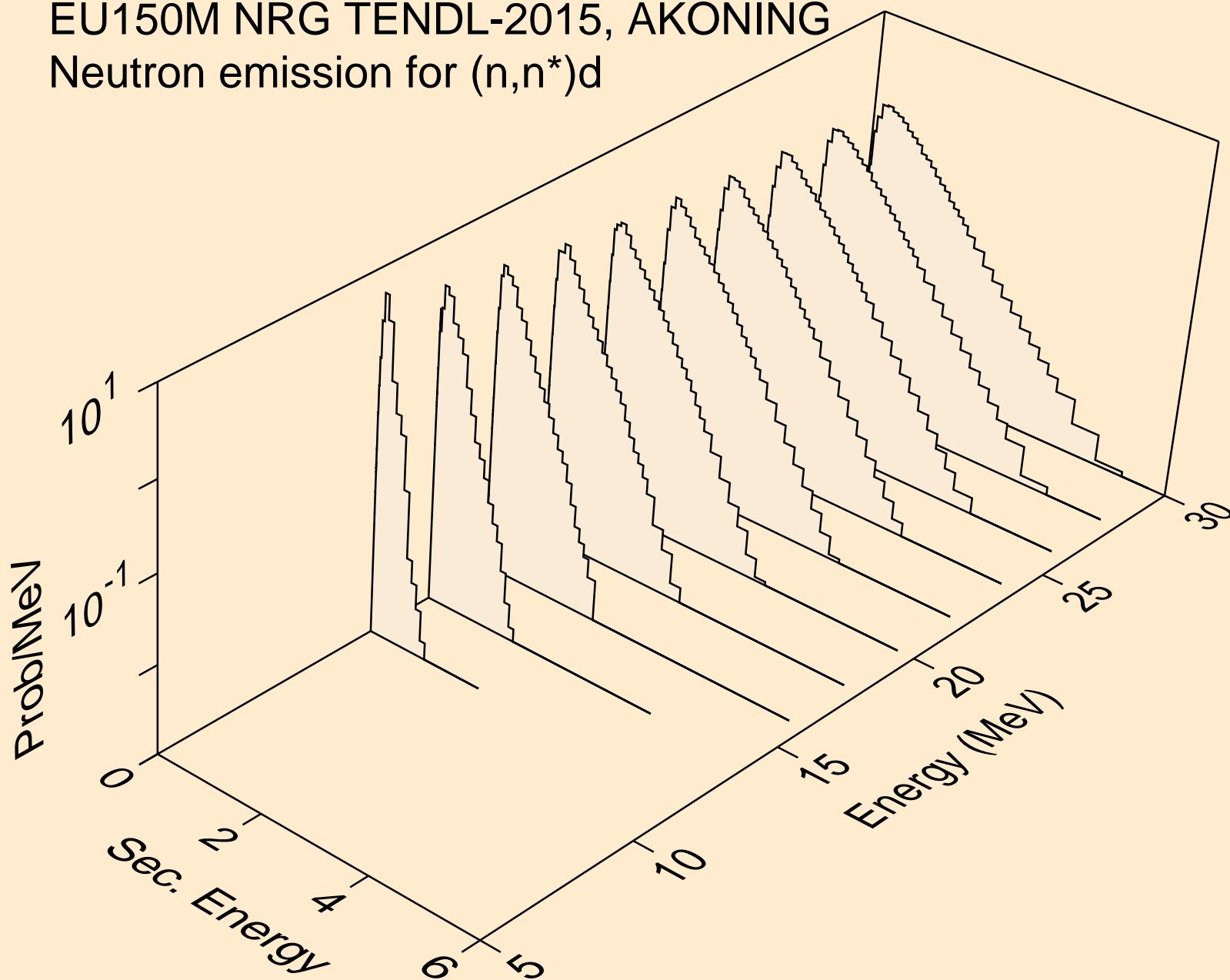
EU150M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



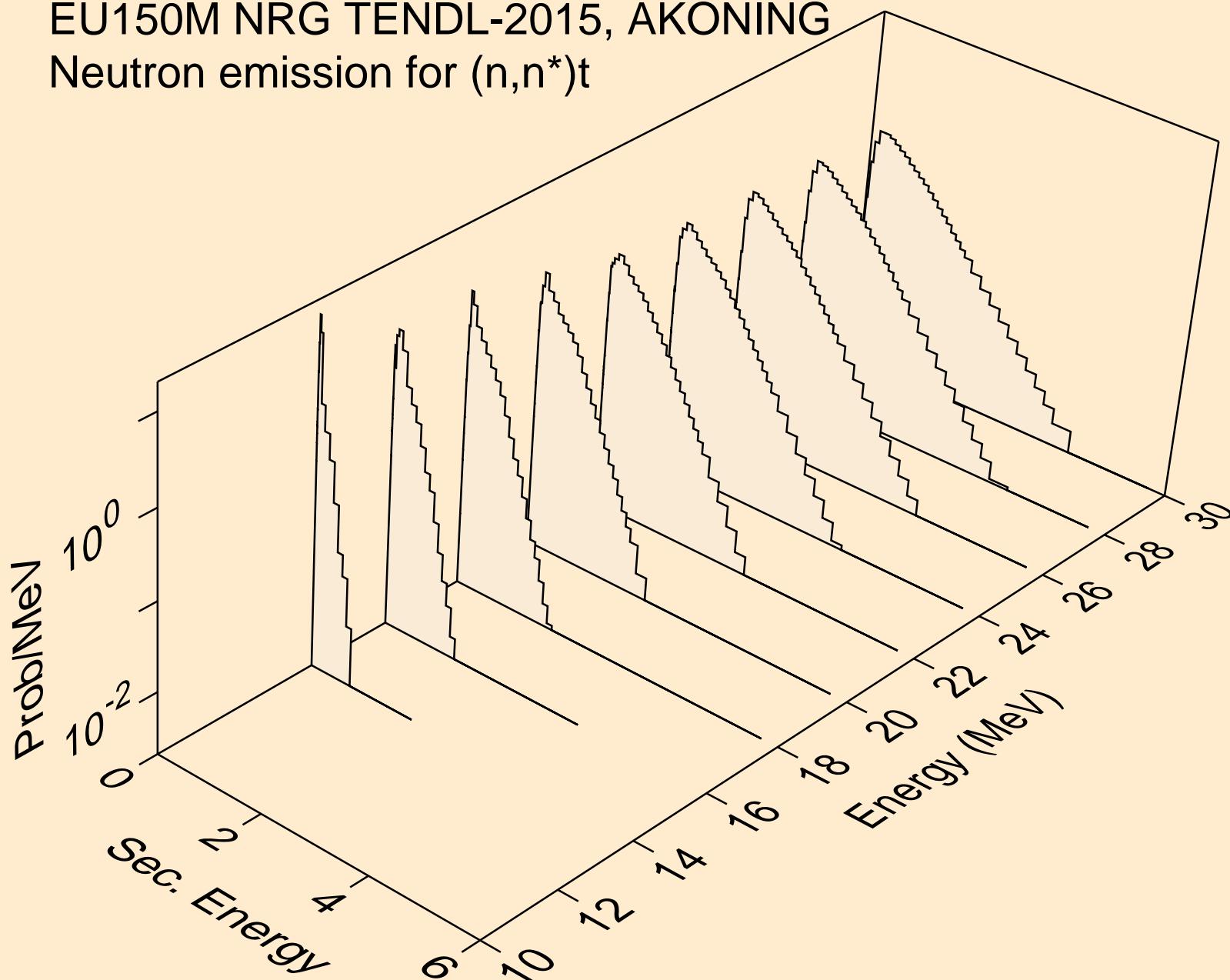
EU150M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



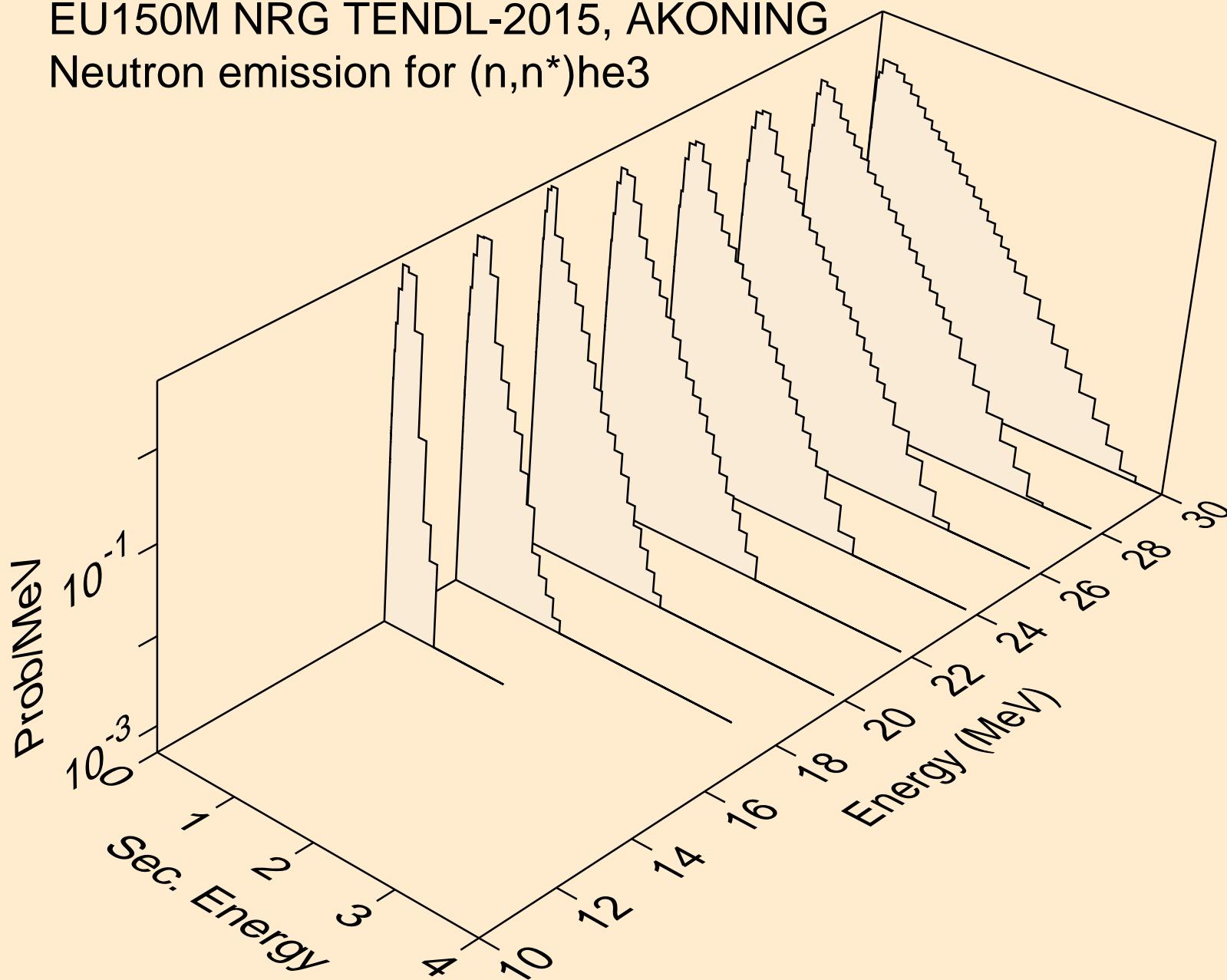
EU150M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



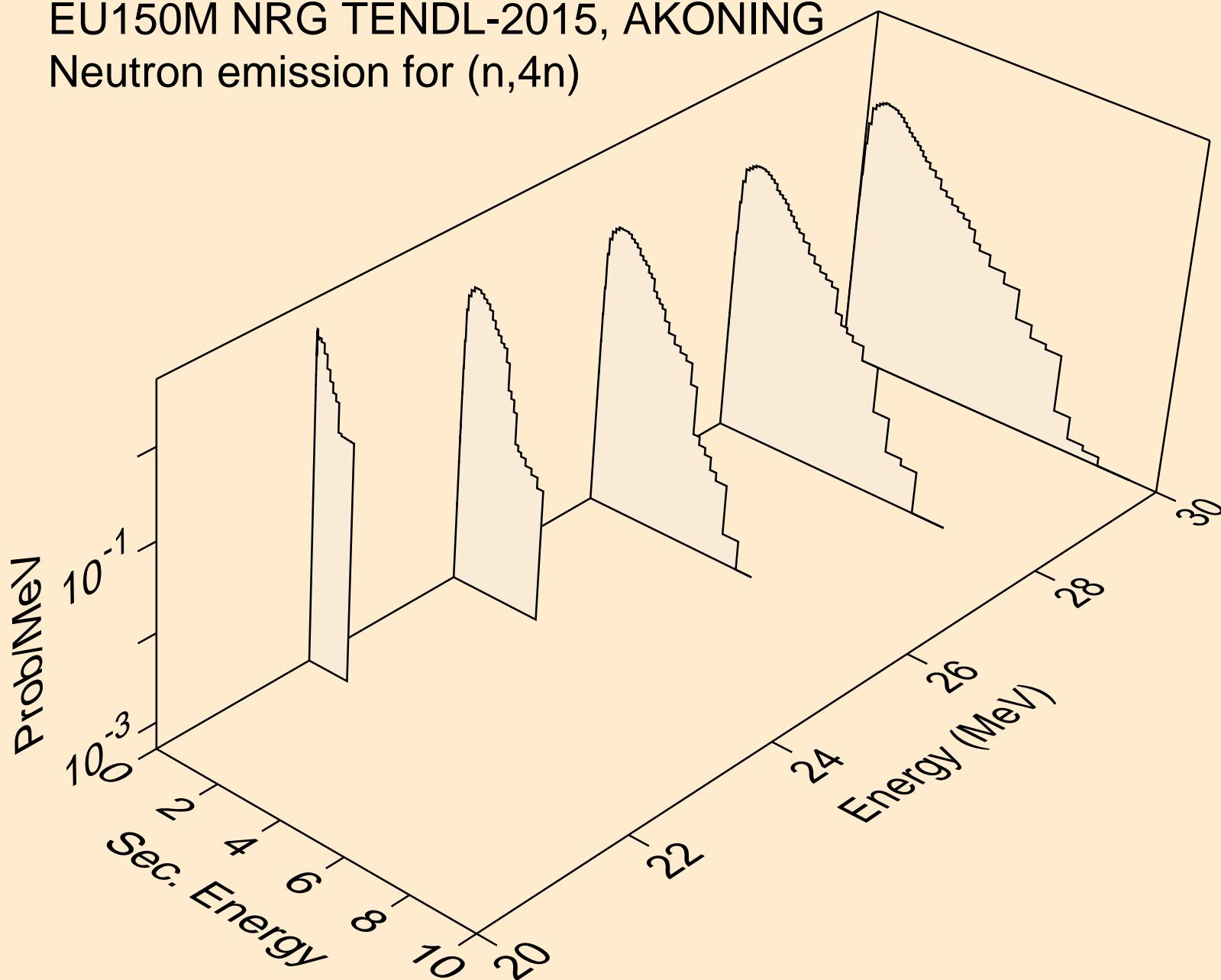
EU150M NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



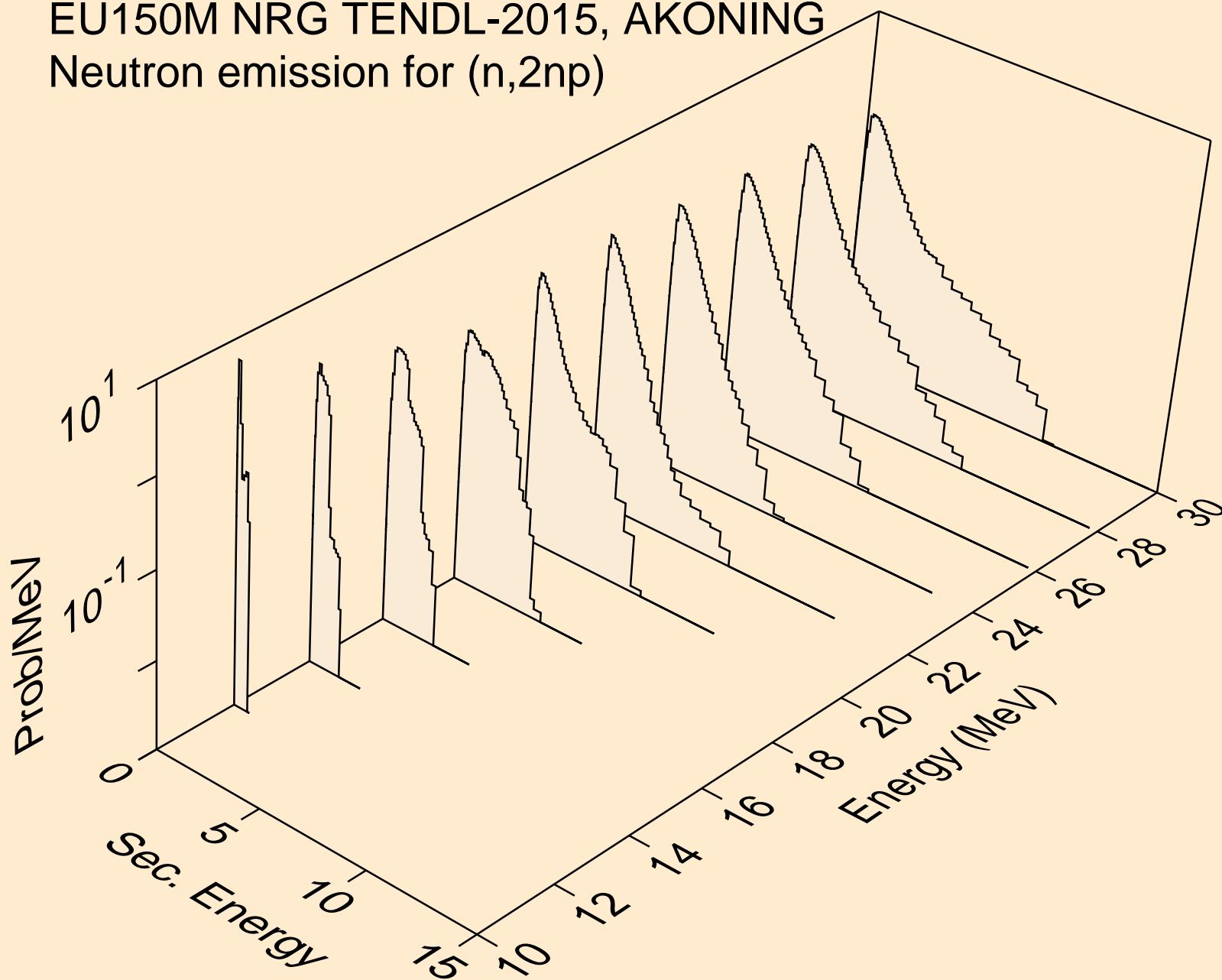
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Neutron emission for  $(n,n^*)\text{he3}$



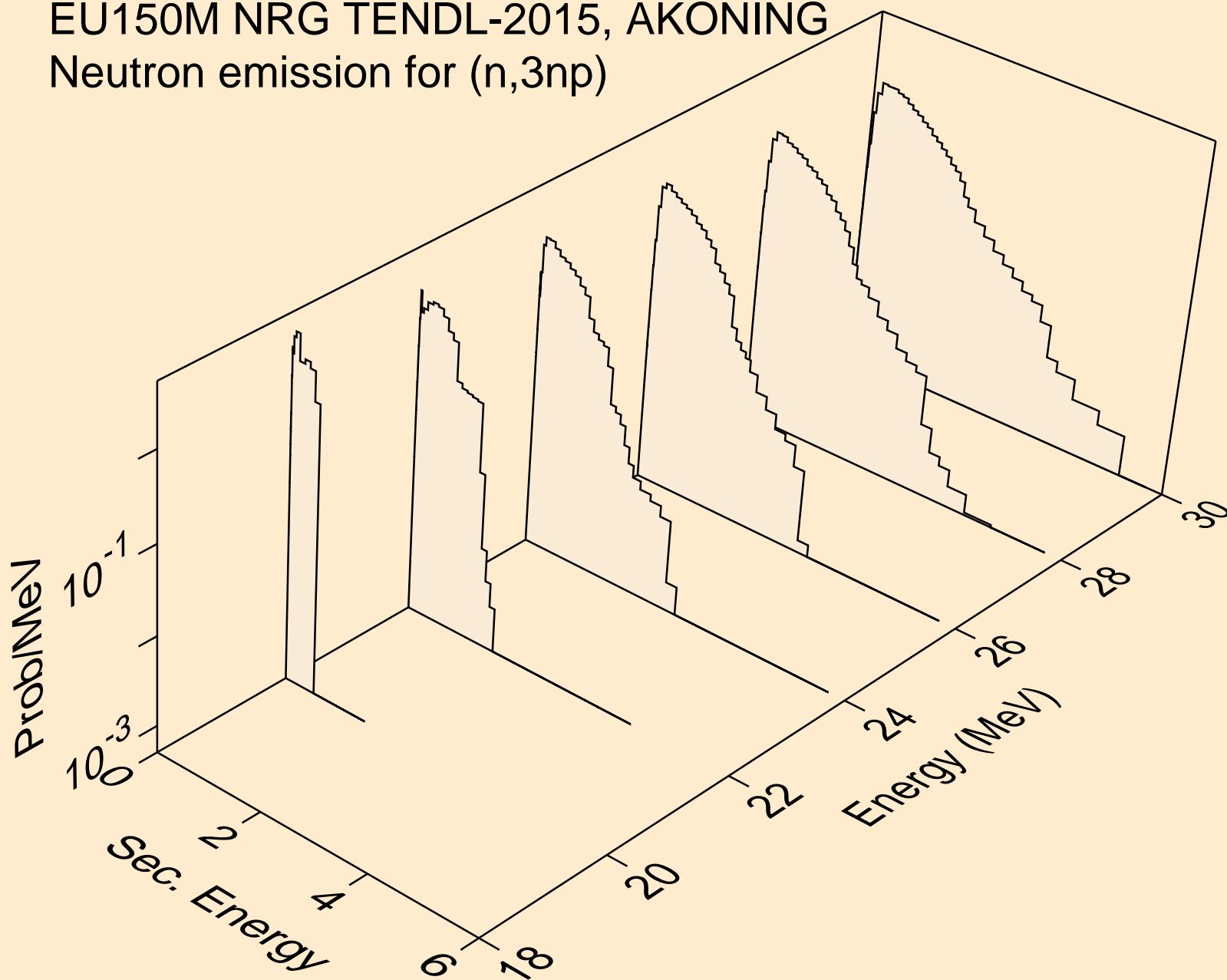
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Neutron emission for (n,4n)



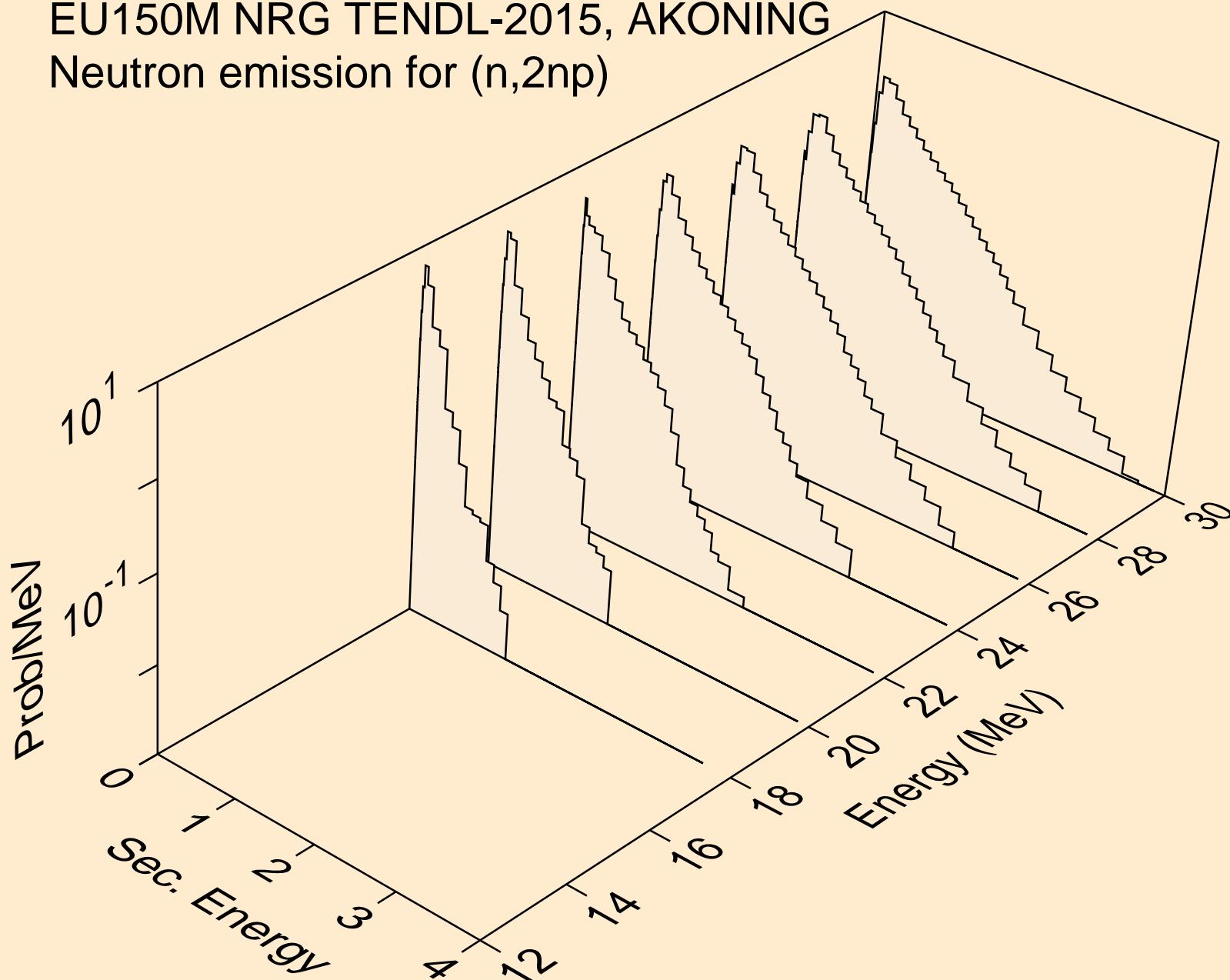
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Neutron emission for (n,2np)



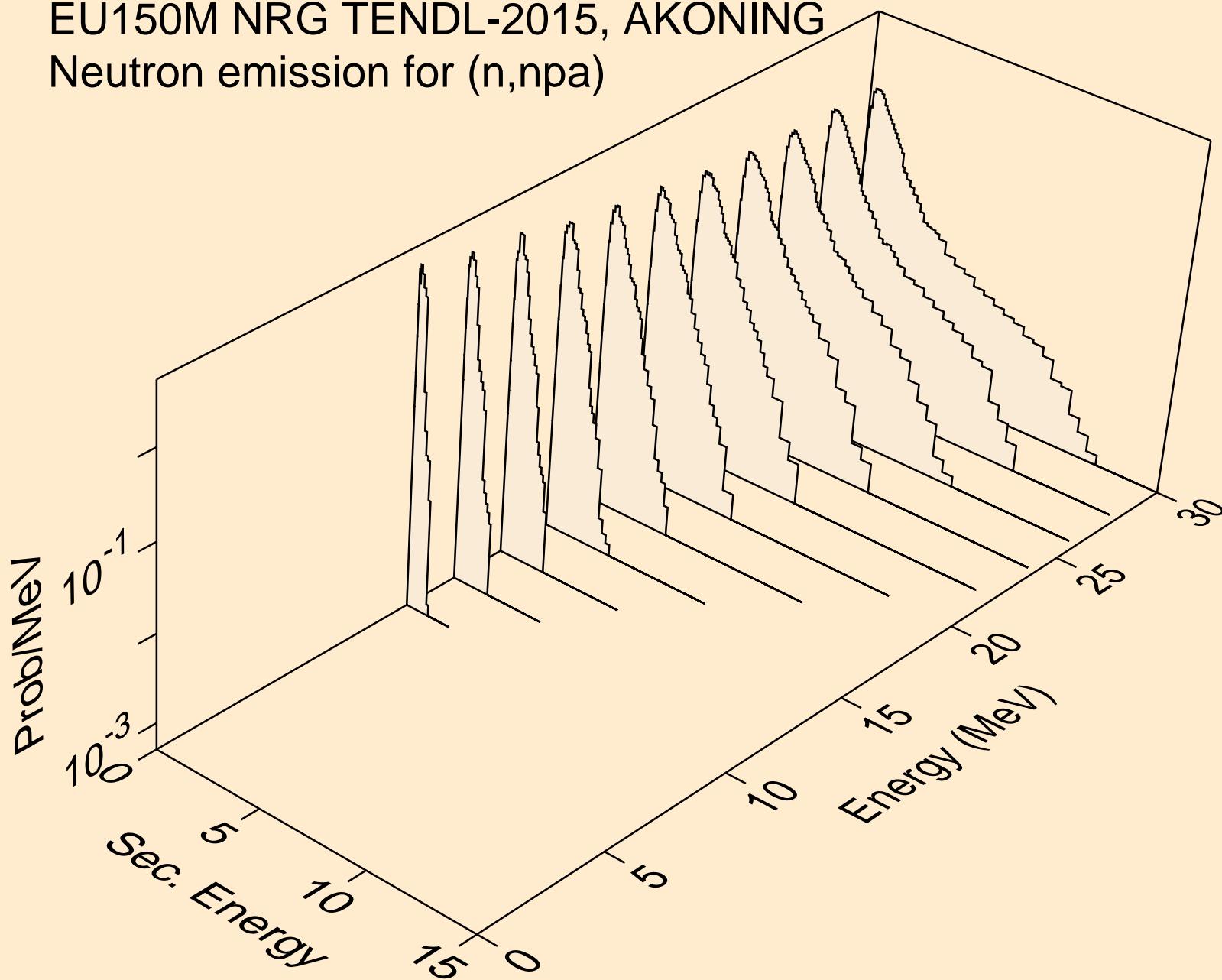
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Neutron emission for (n,3np)



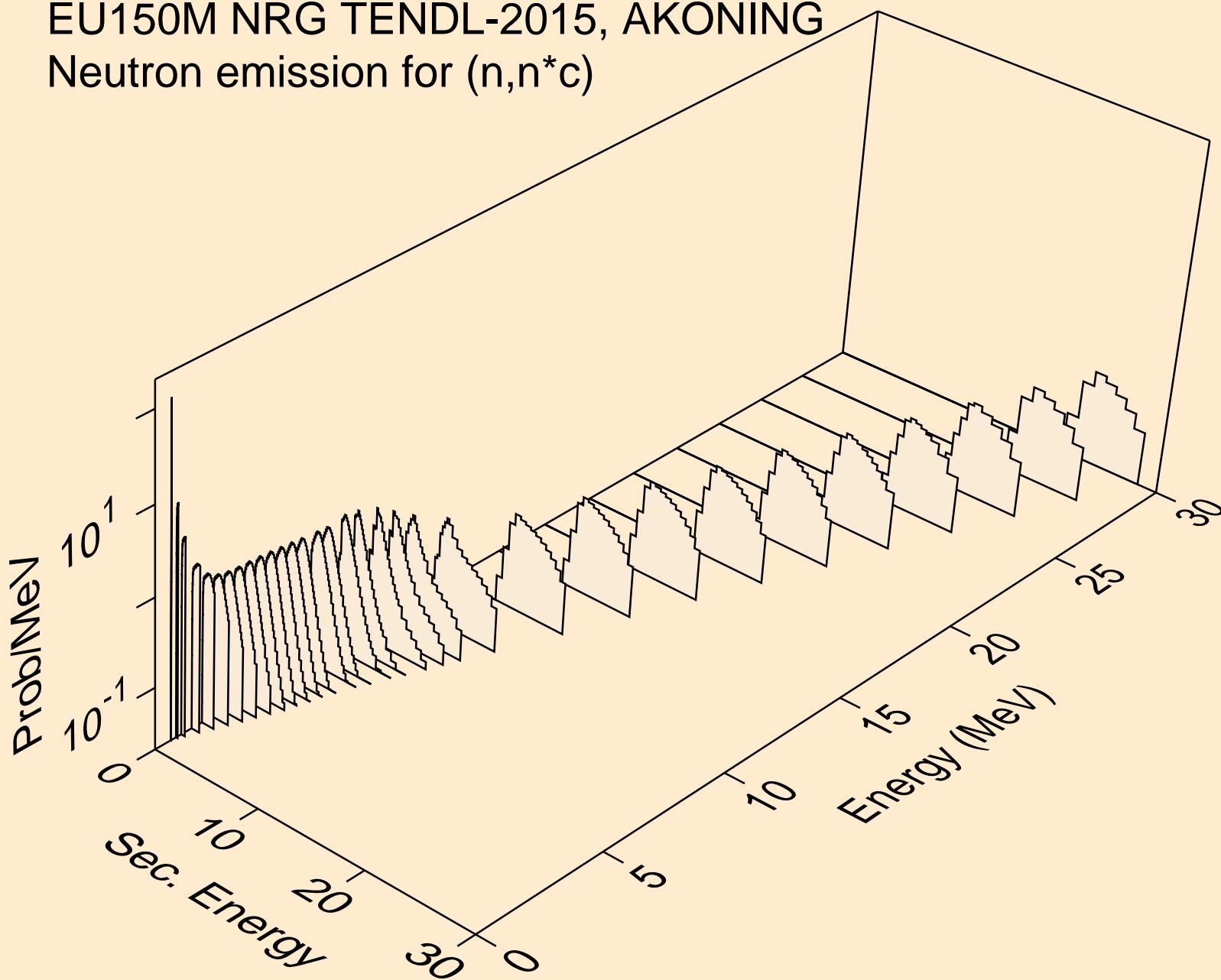
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Neutron emission for (n,2np)



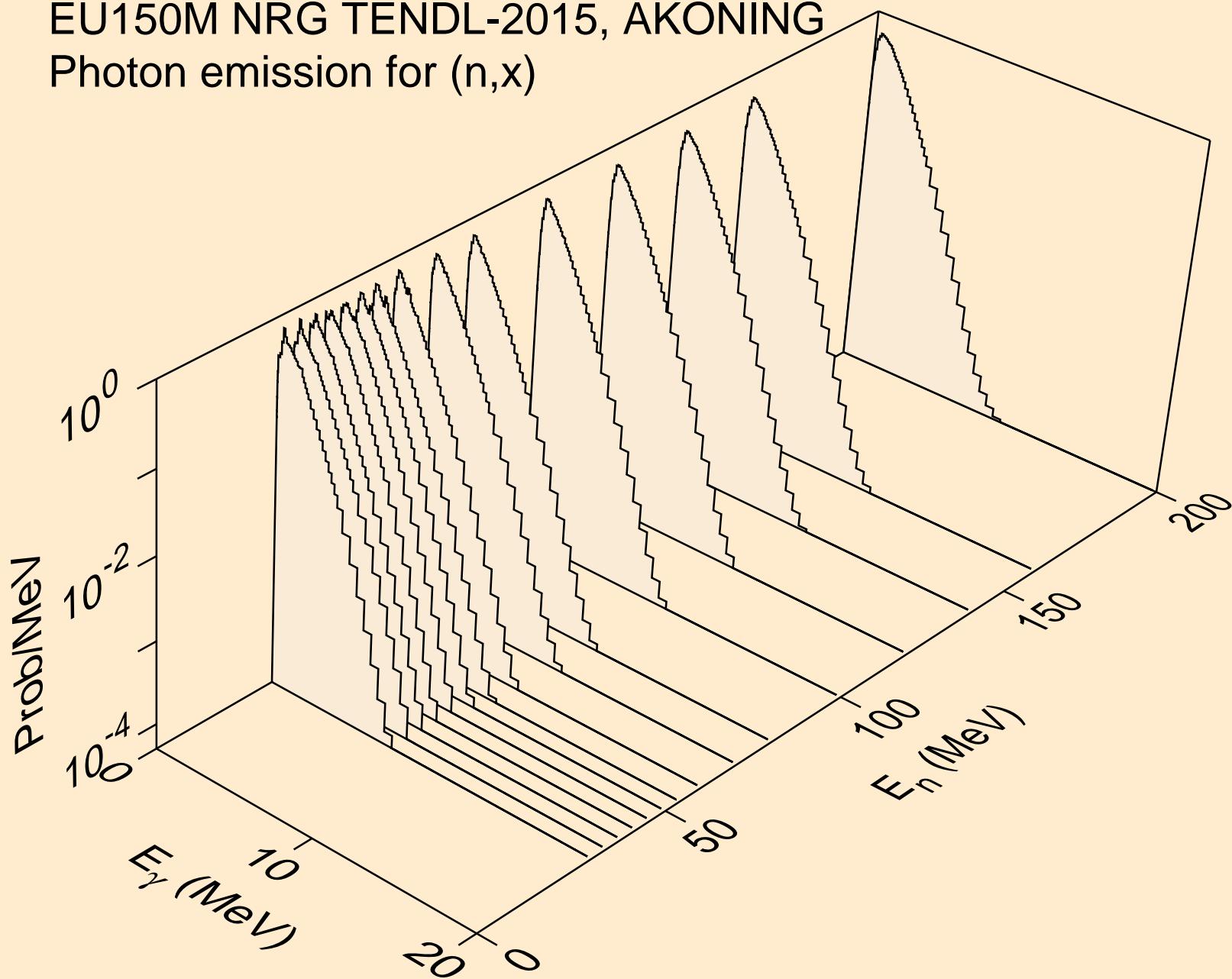
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Neutron emission for (n,npa)



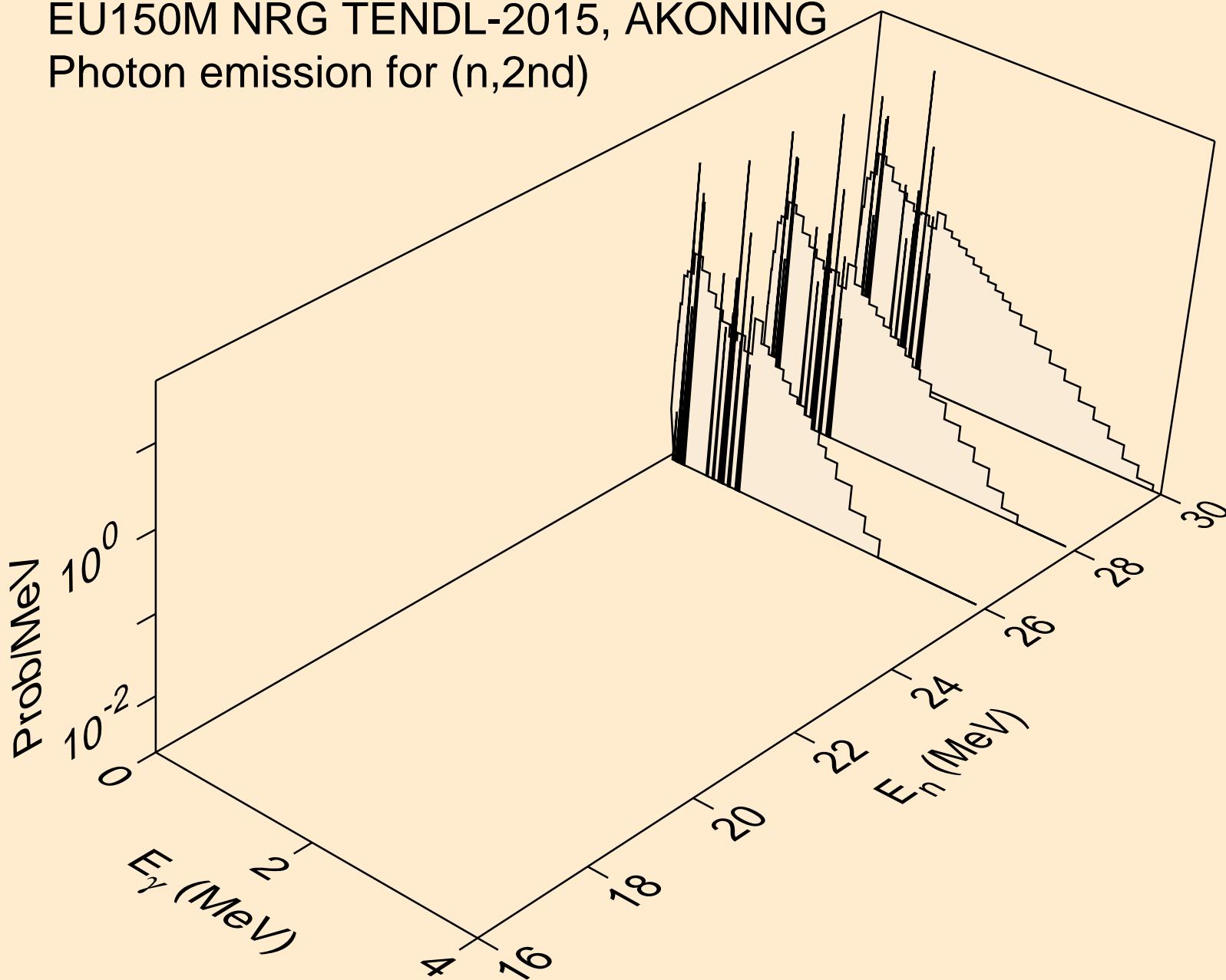
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Neutron emission for (n,n\*c)



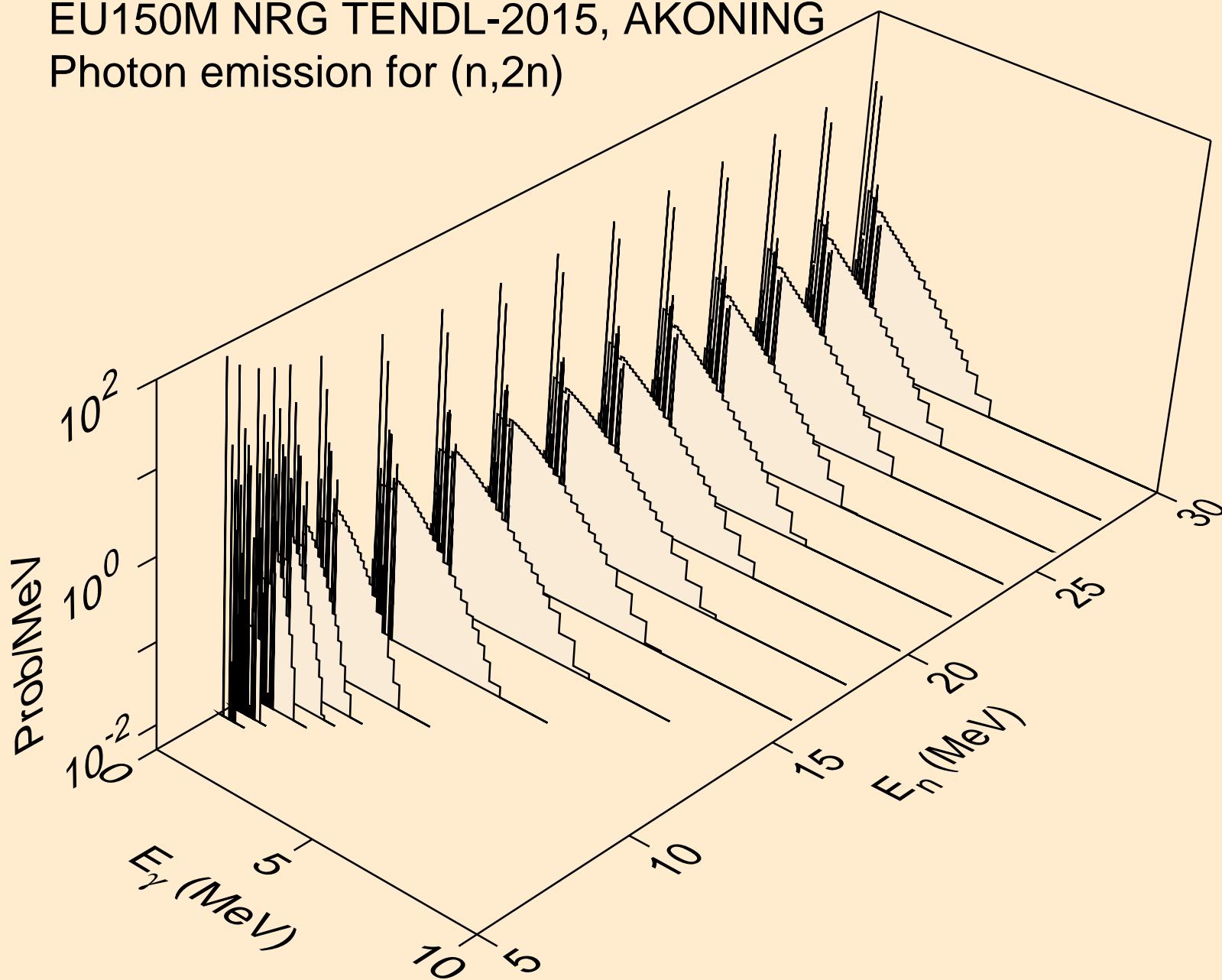
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Photon emission for (n,x)



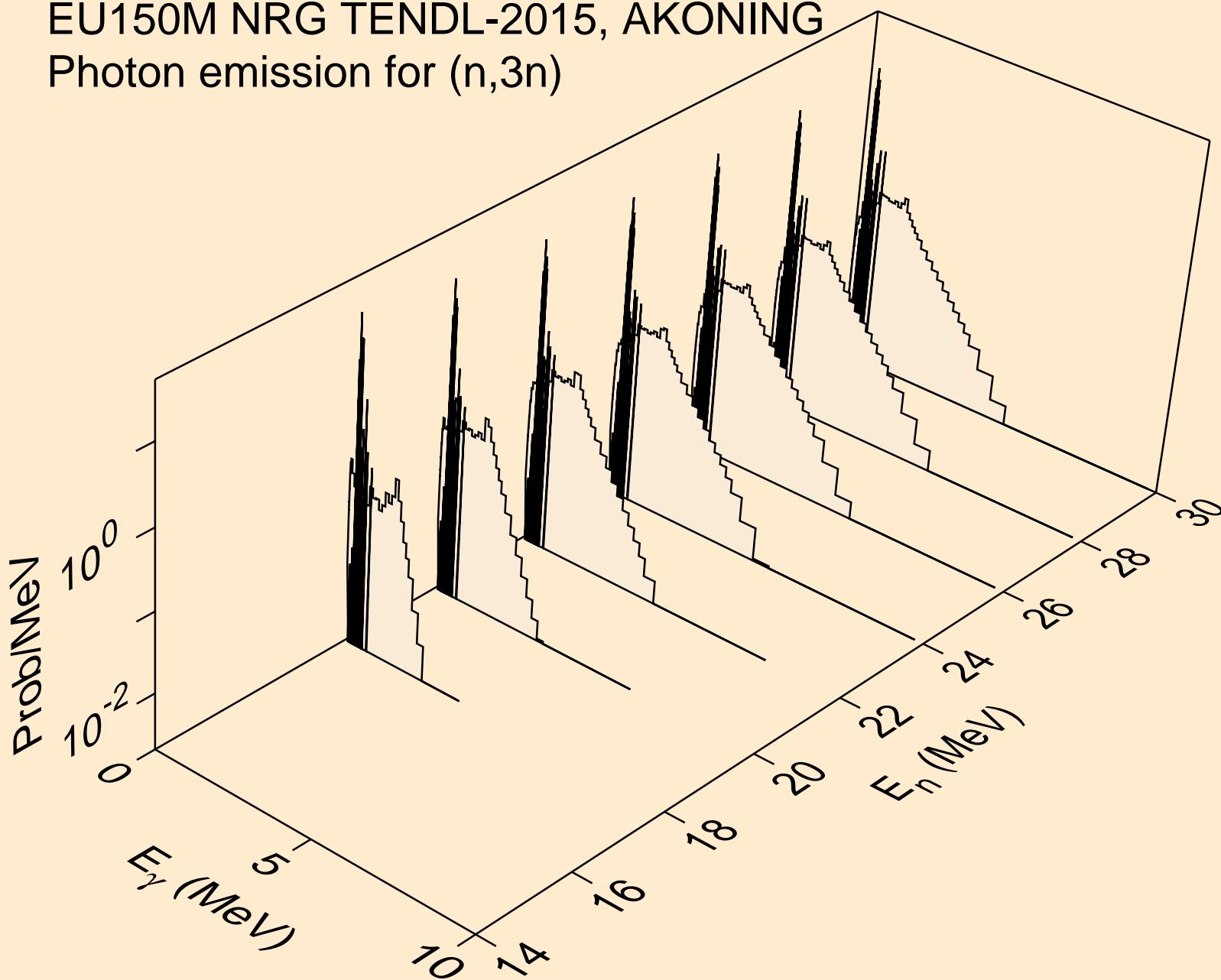
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Photon emission for (n,2nd)



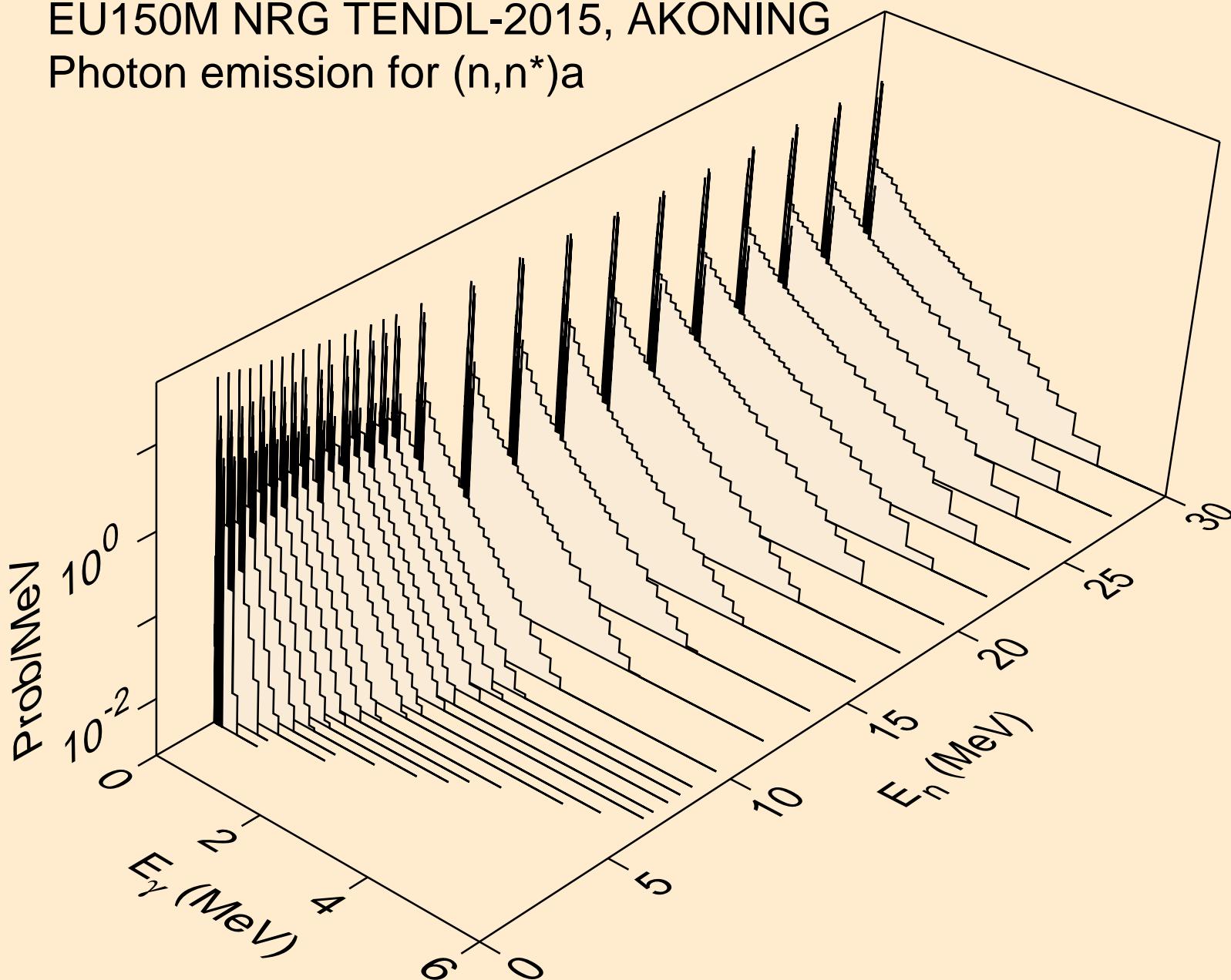
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Photon emission for (n,2n)



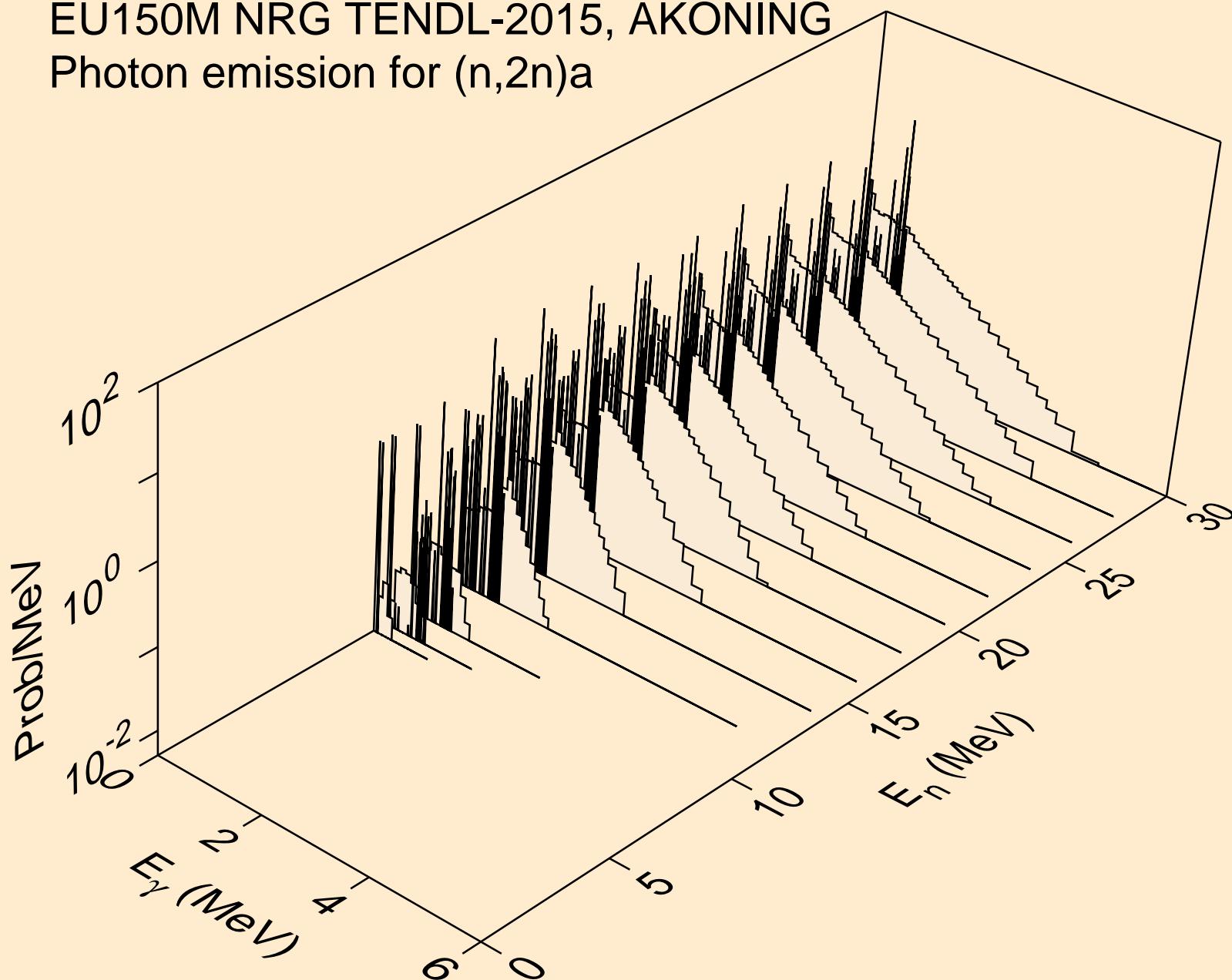
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Photon emission for (n,3n)



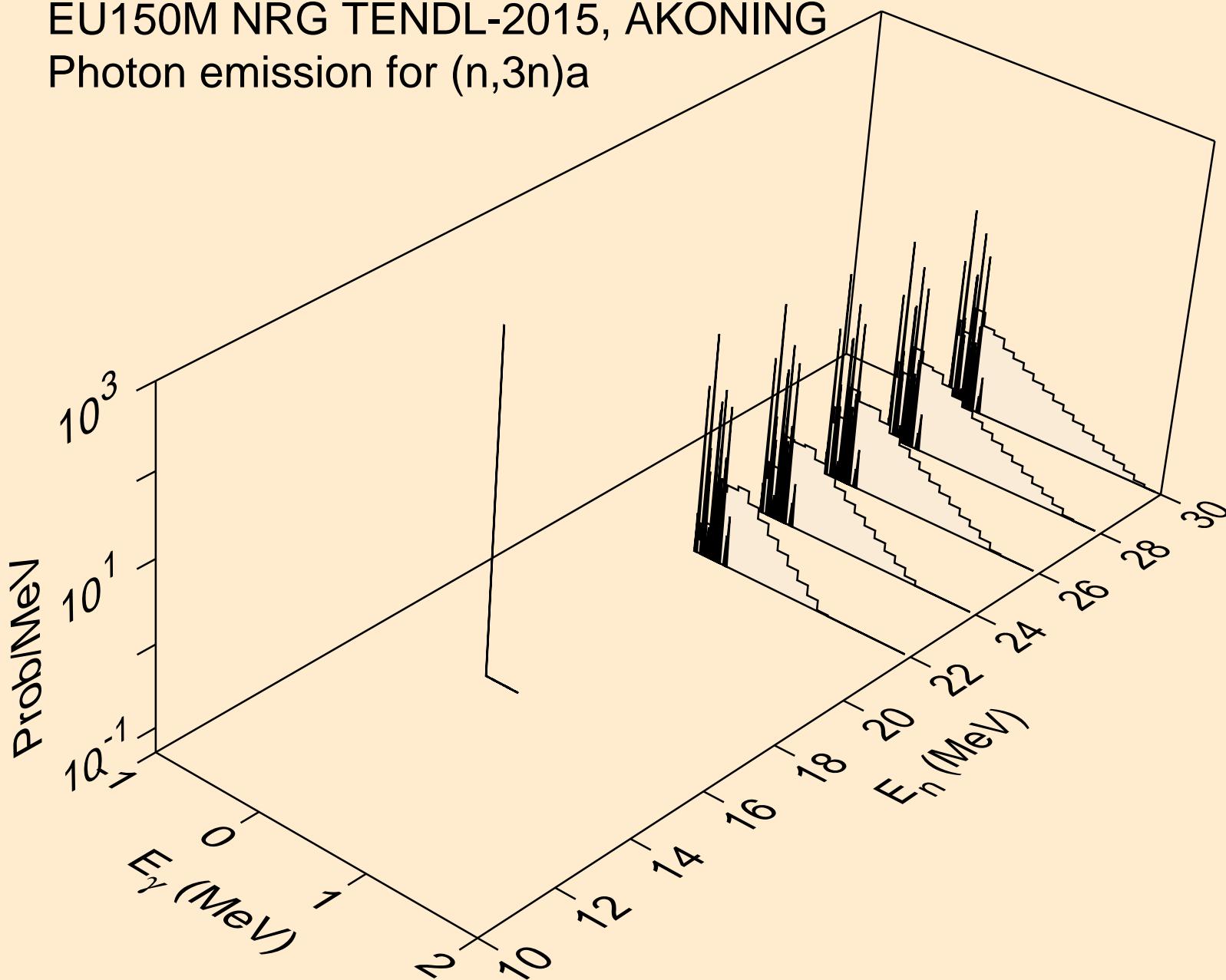
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Photon emission for  $(n,n^*)a$



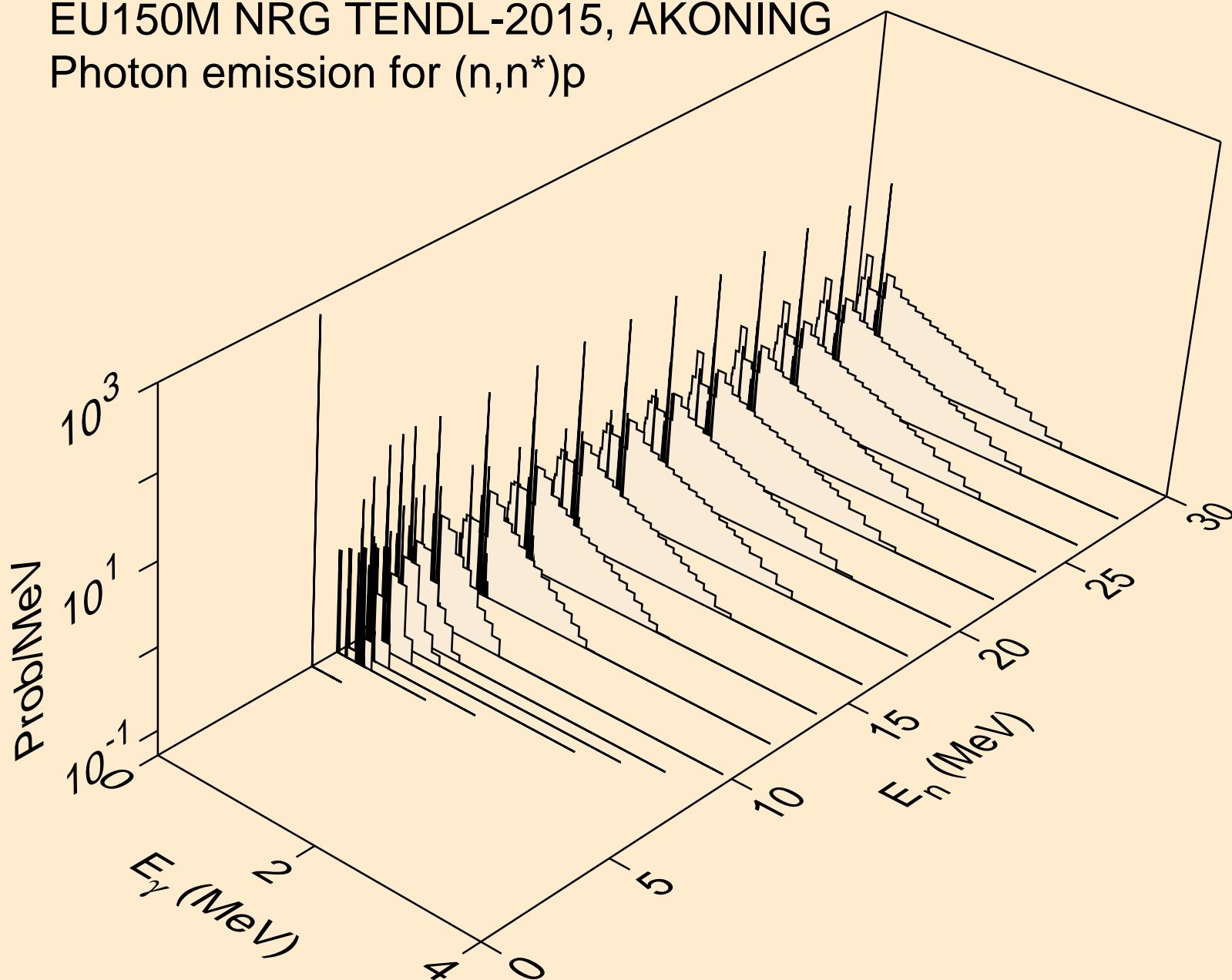
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Photon emission for (n,2n)a



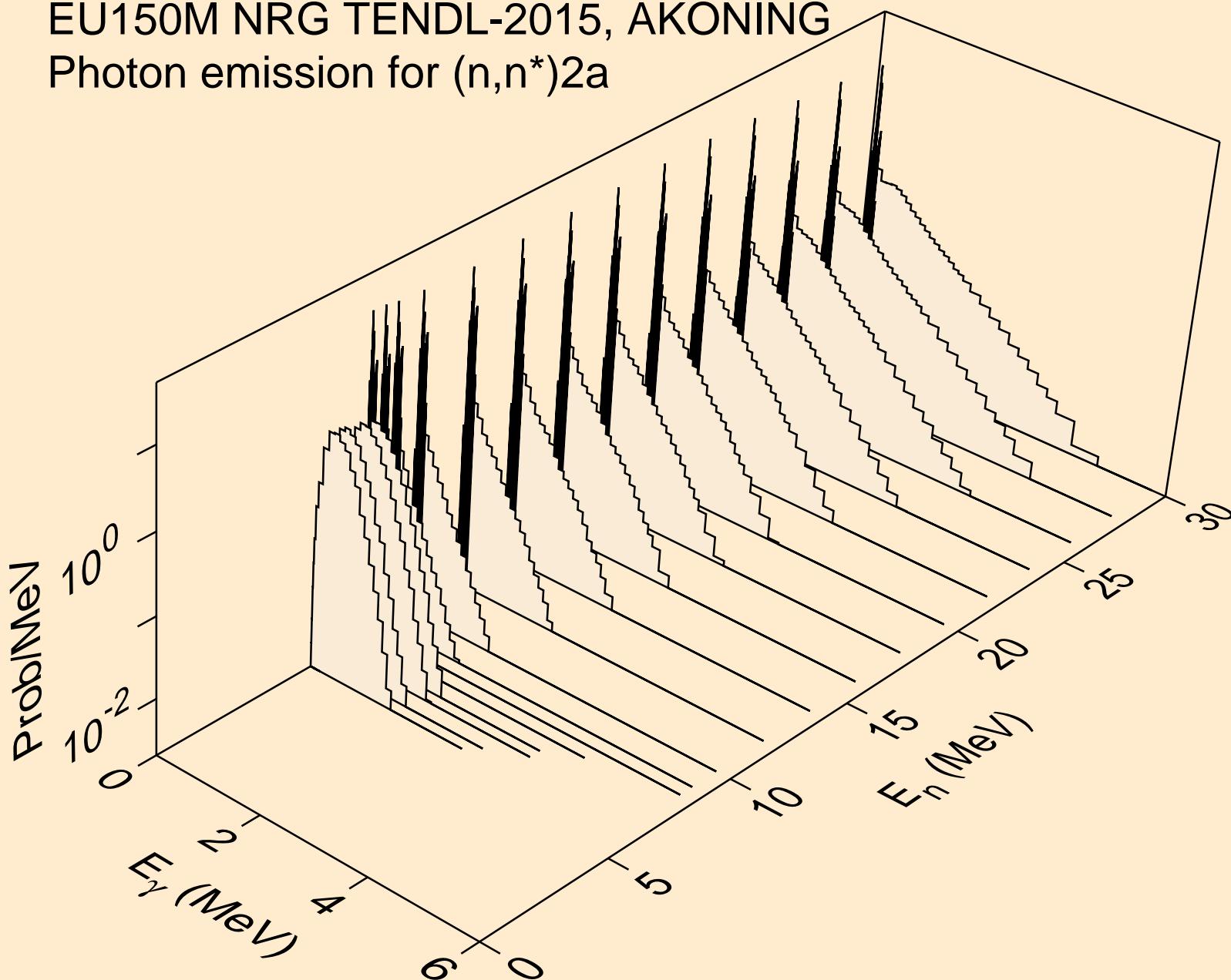
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Photon emission for (n,3n)a



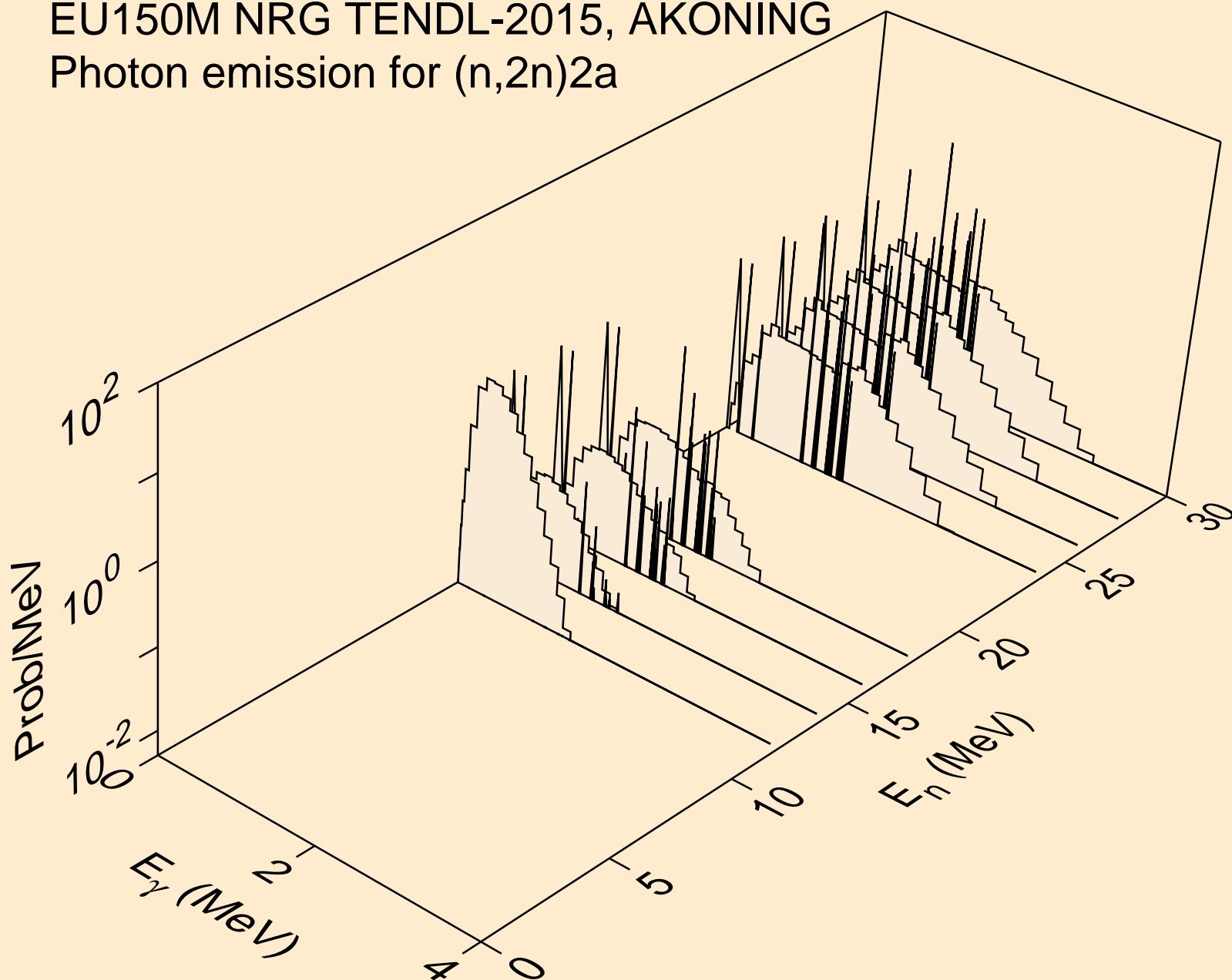
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Photon emission for  $(n,n^*)p$



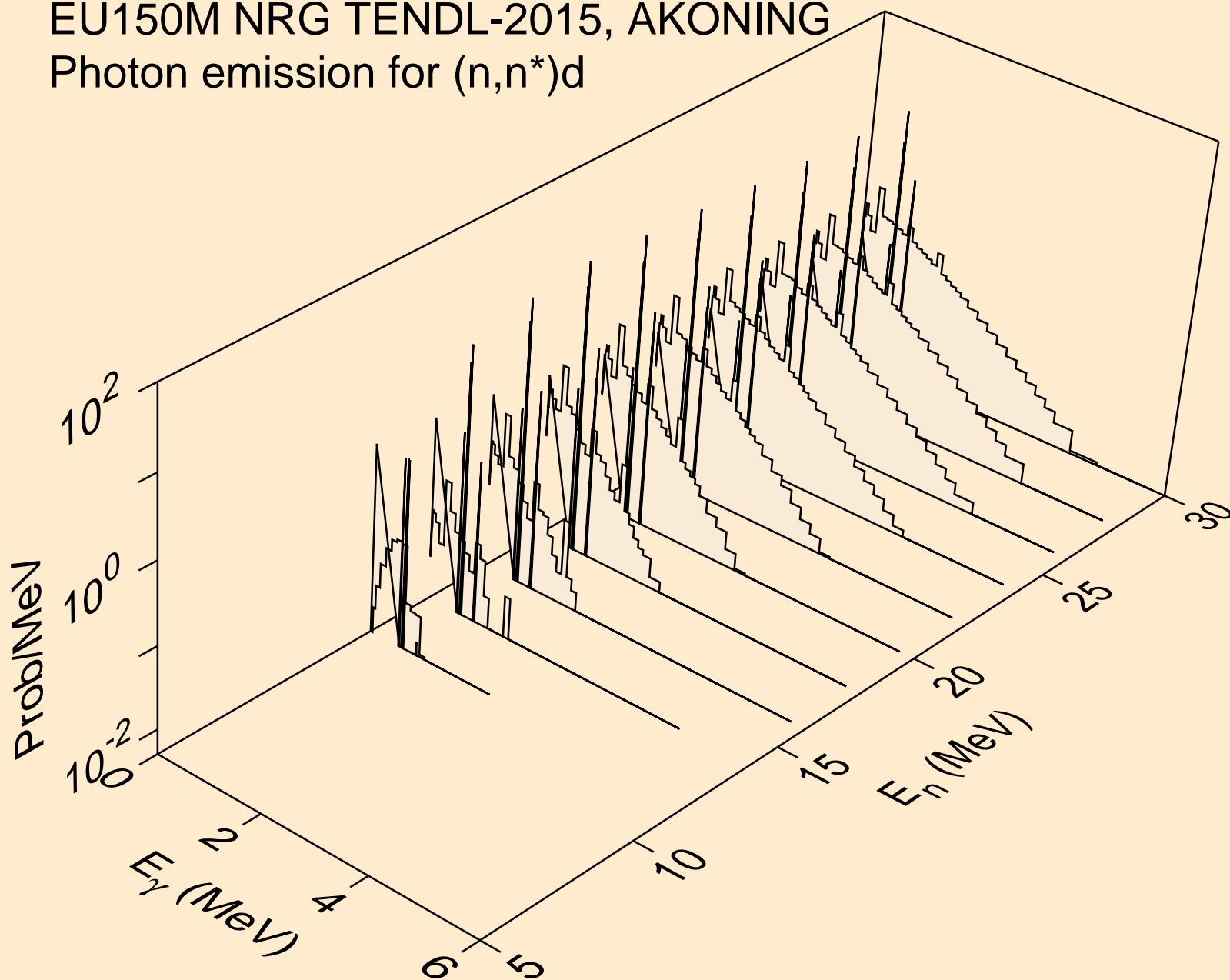
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Photon emission for  $(n,n^*)2a$



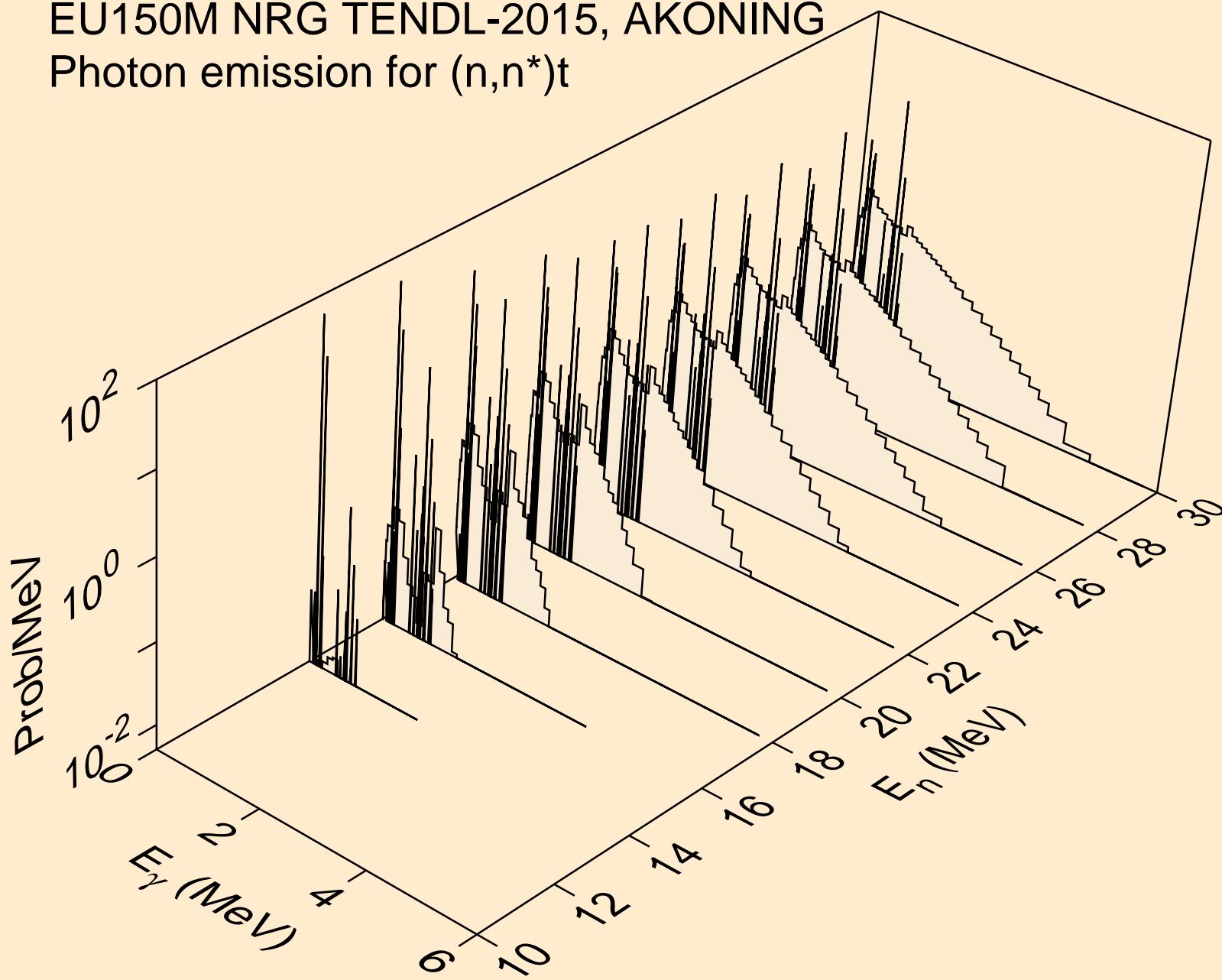
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Photon emission for (n,2n)2a



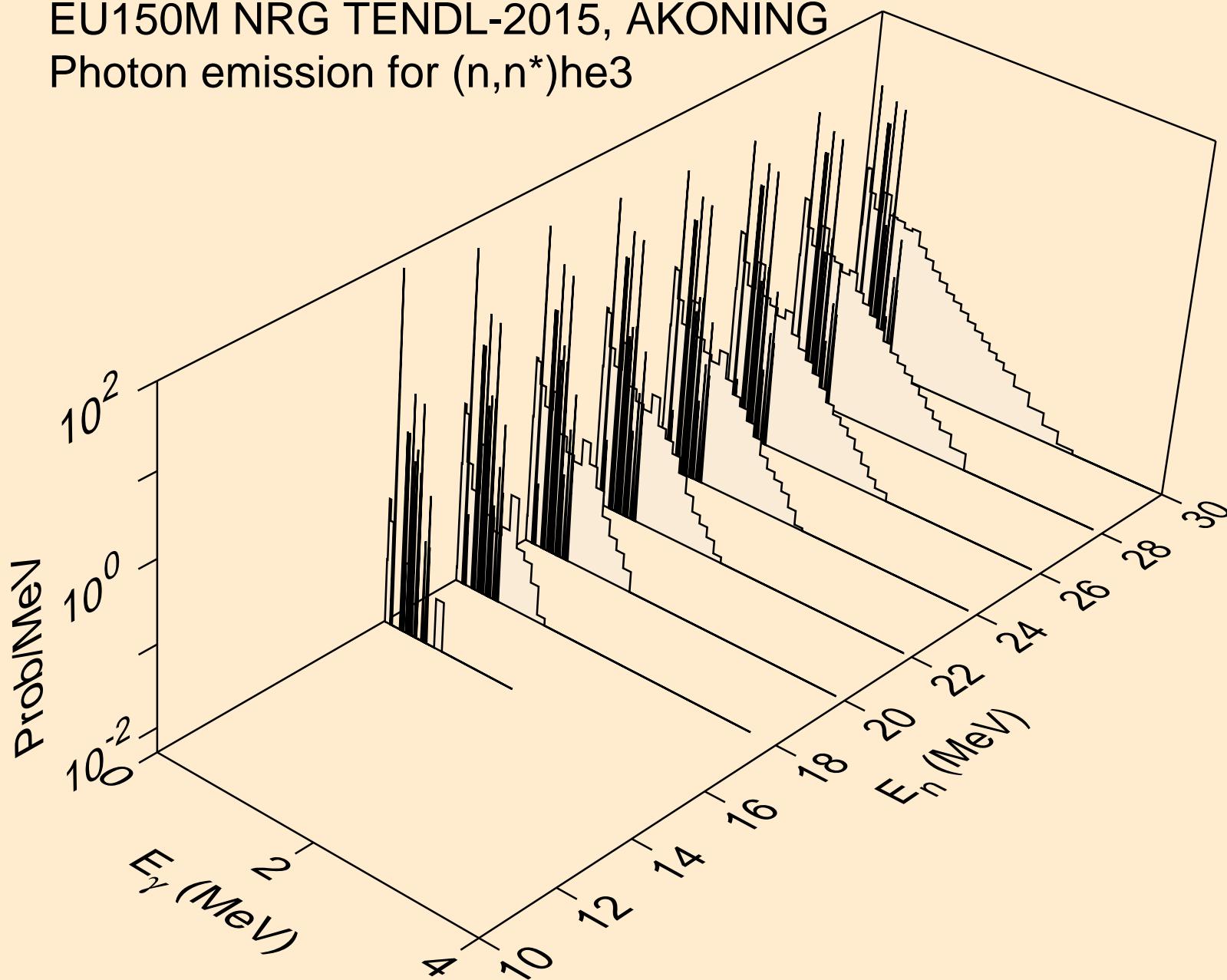
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Photon emission for  $(n,n^*)d$



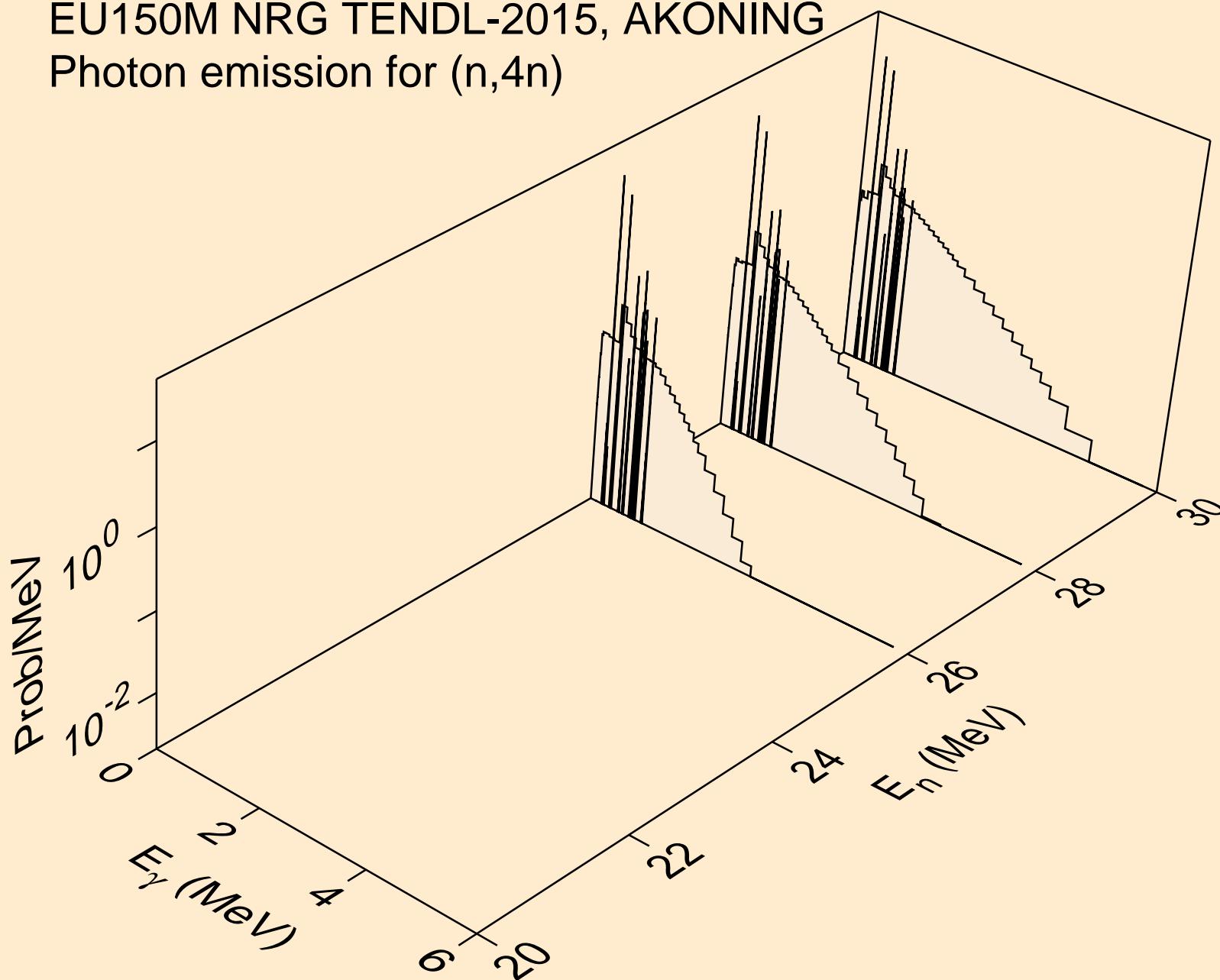
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Photon emission for  $(n,n^*)t$



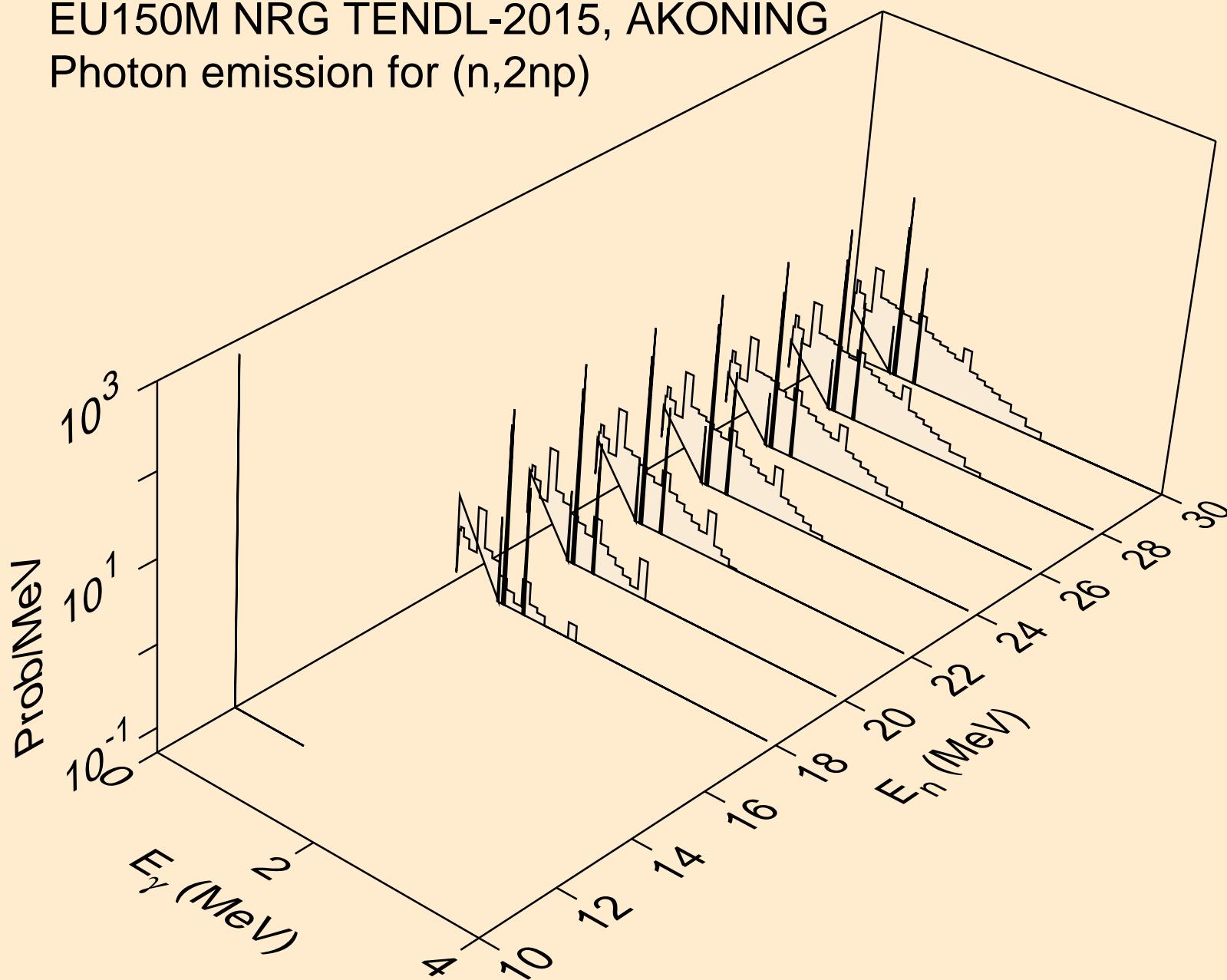
EU150M NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



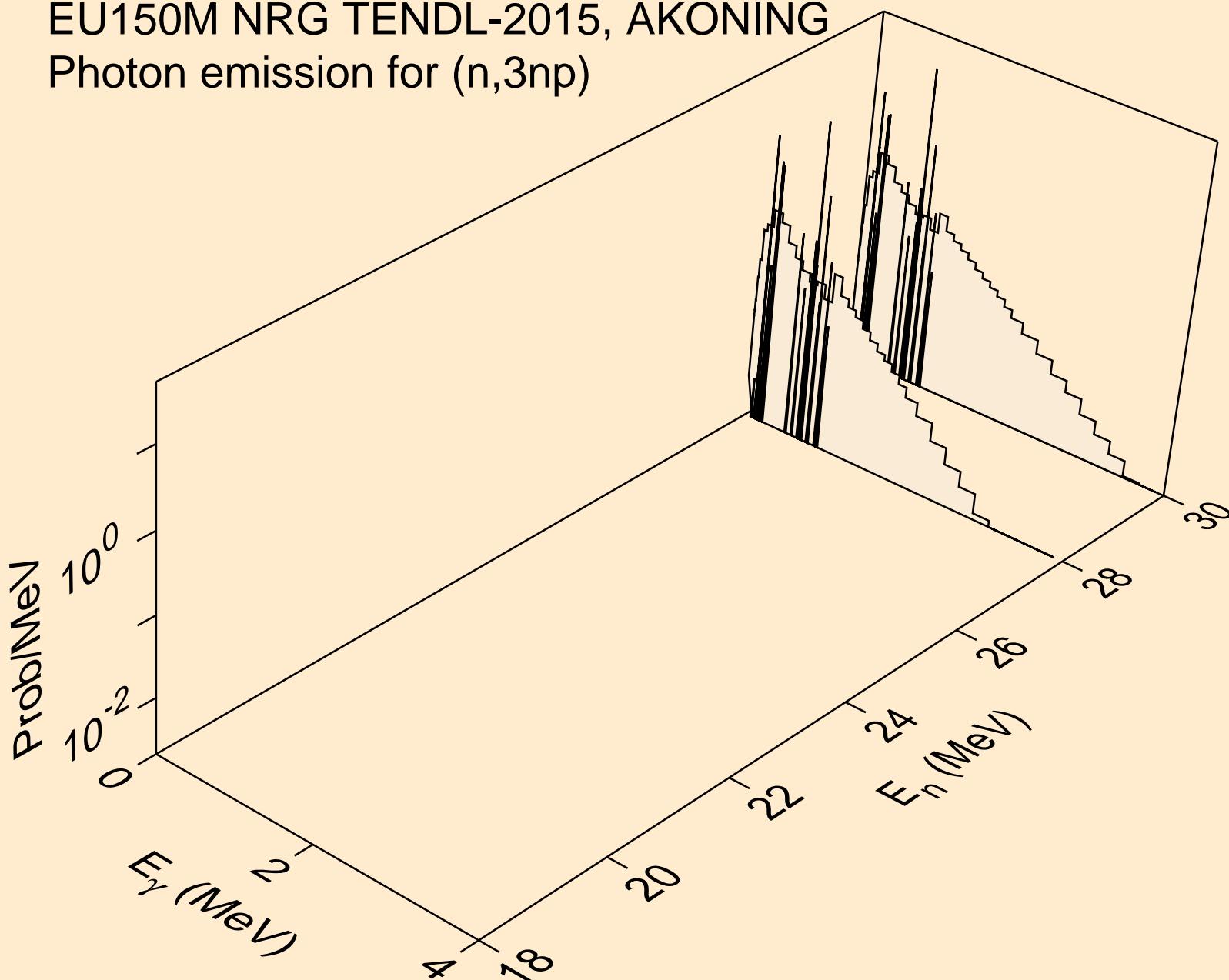
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Photon emission for (n,4n)



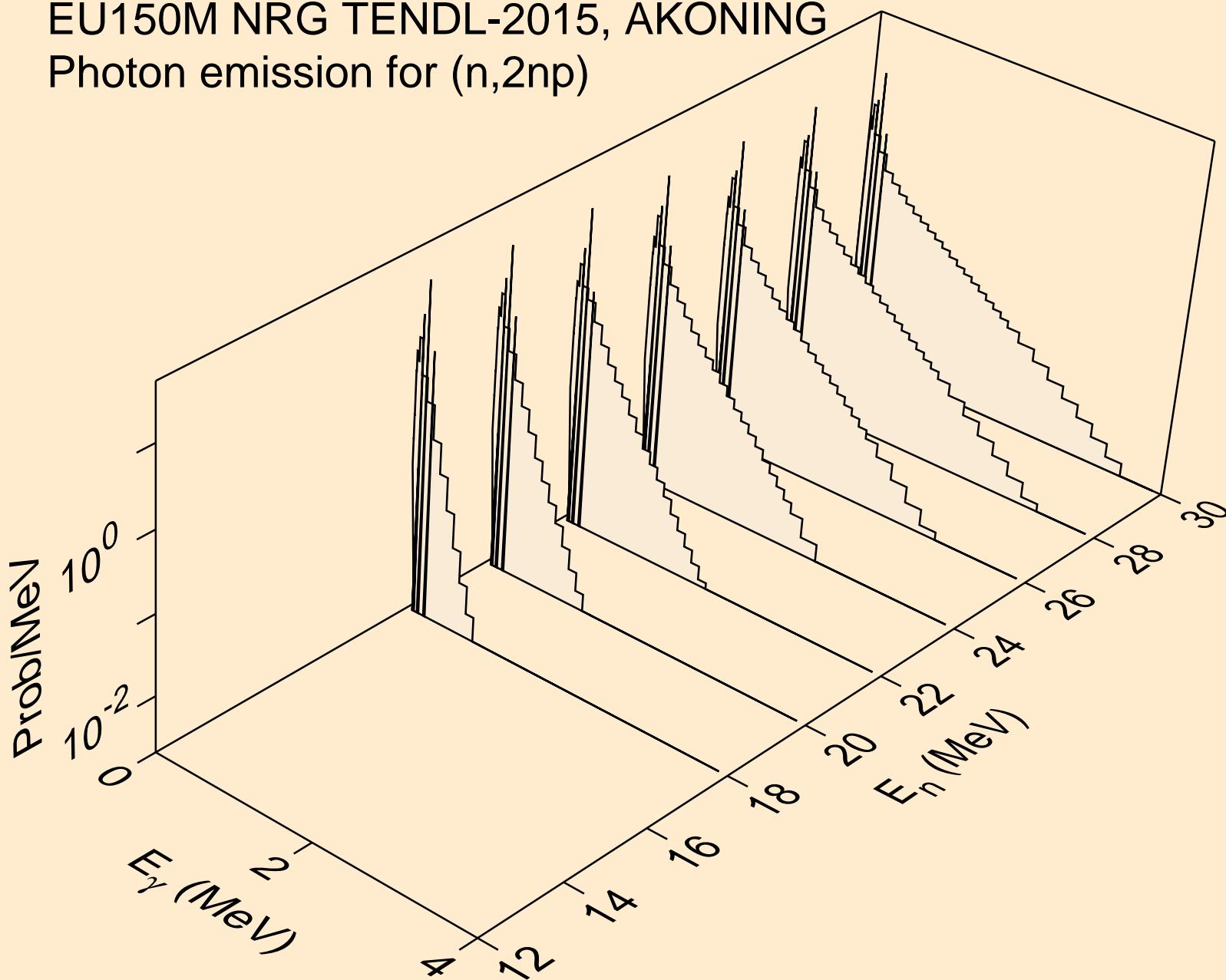
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Photon emission for (n,2np)



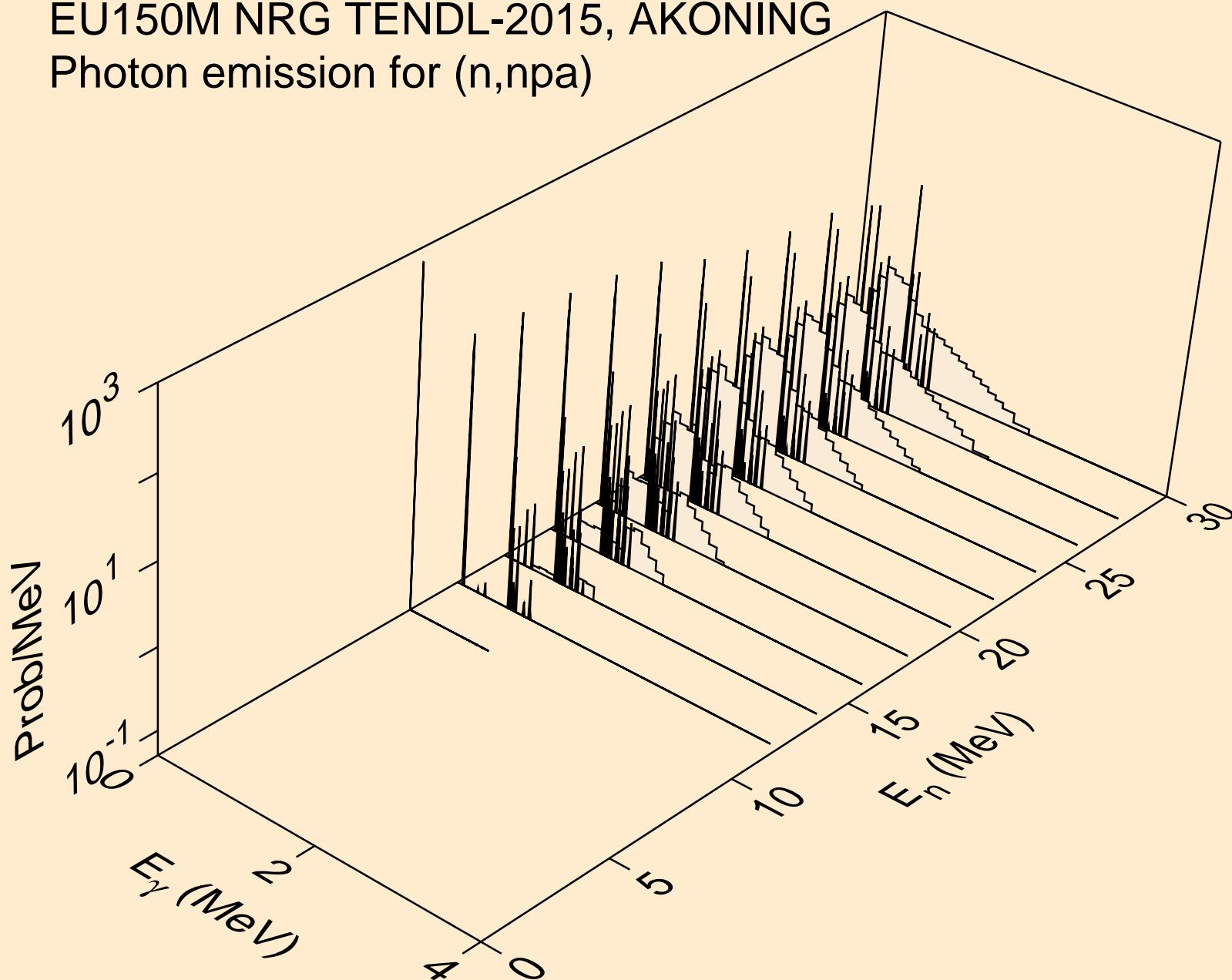
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Photon emission for (n,3np)



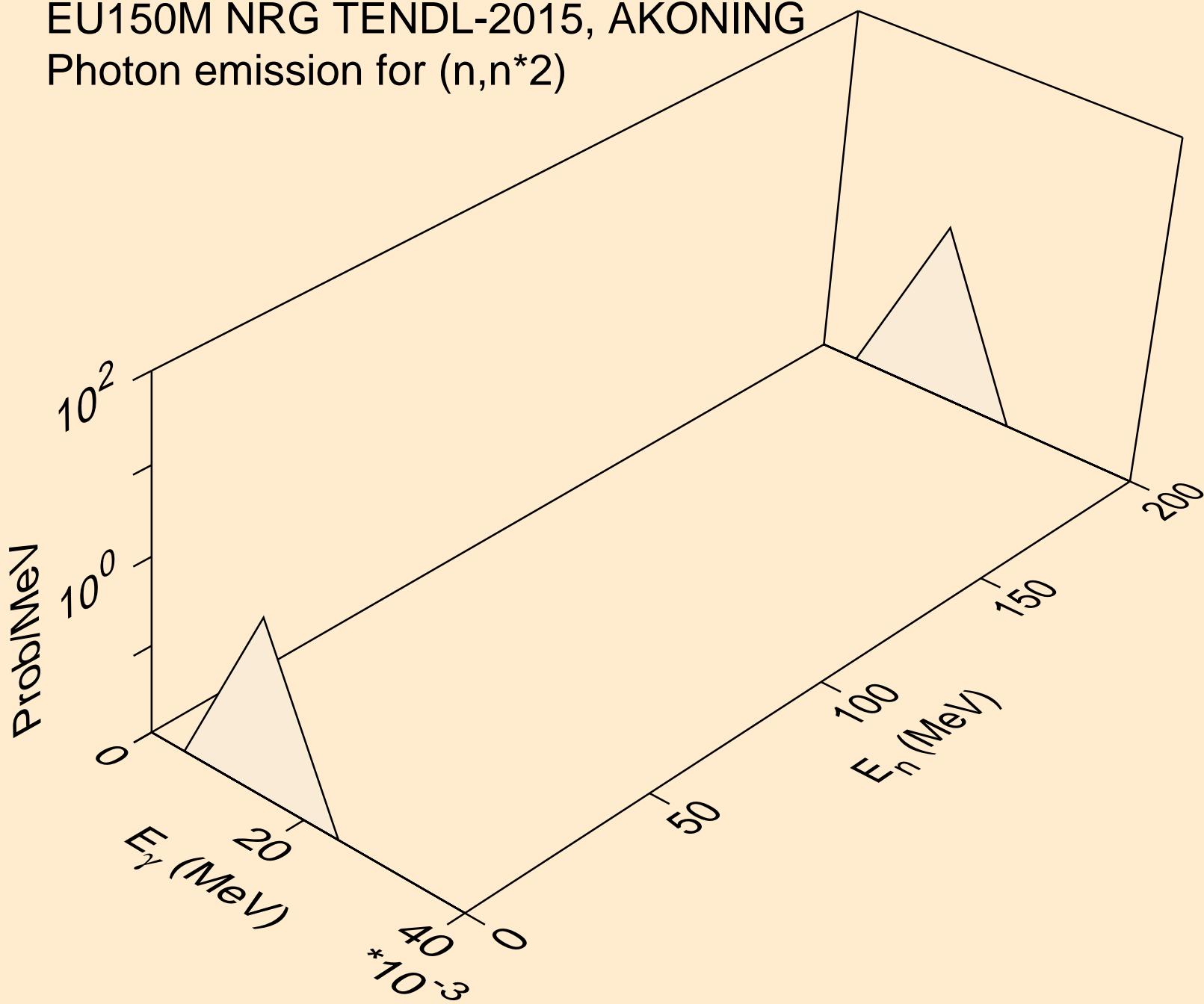
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Photon emission for (n,2np)



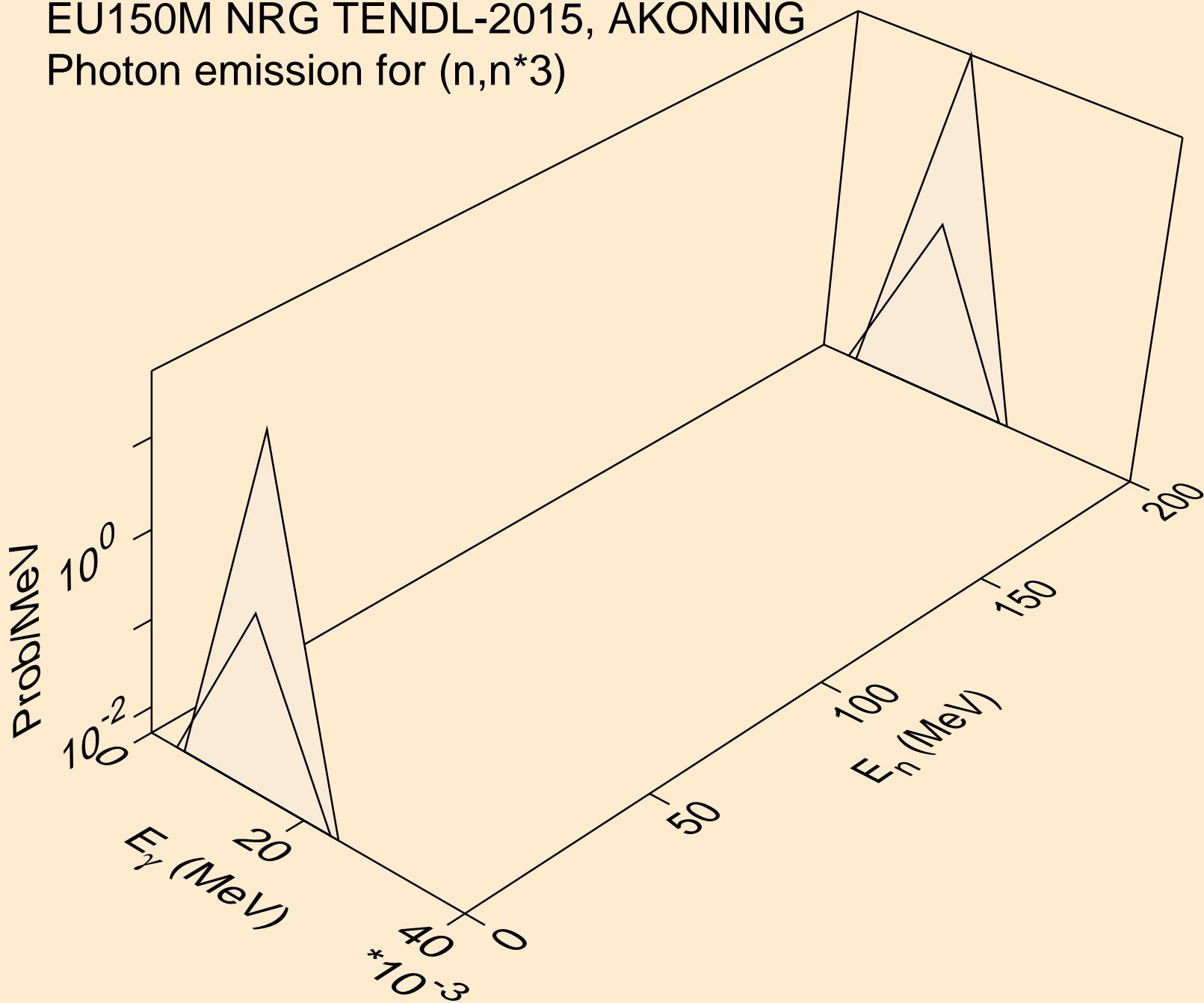
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Photon emission for (n,npa)



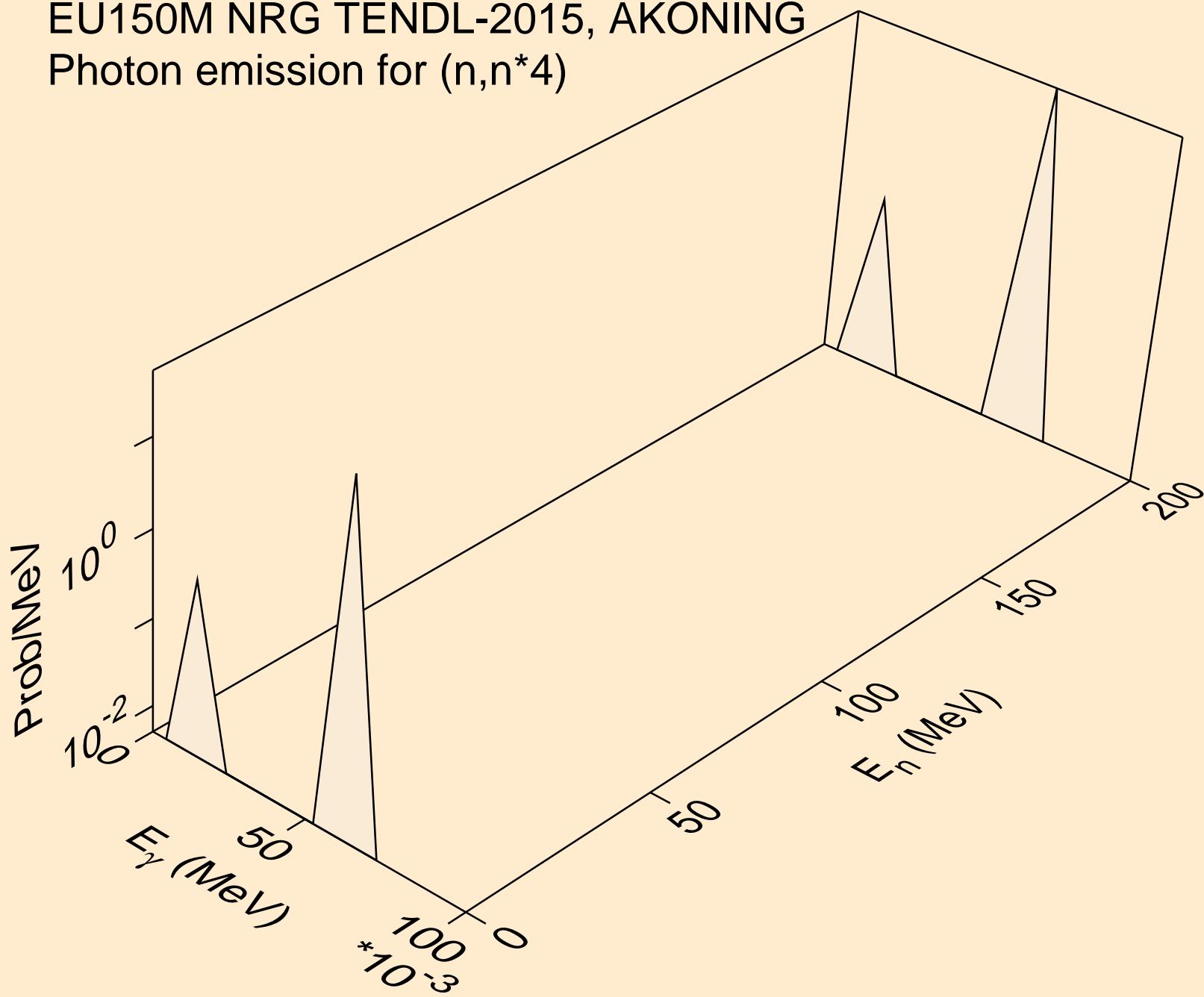
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Photon emission for (n,n\*2)



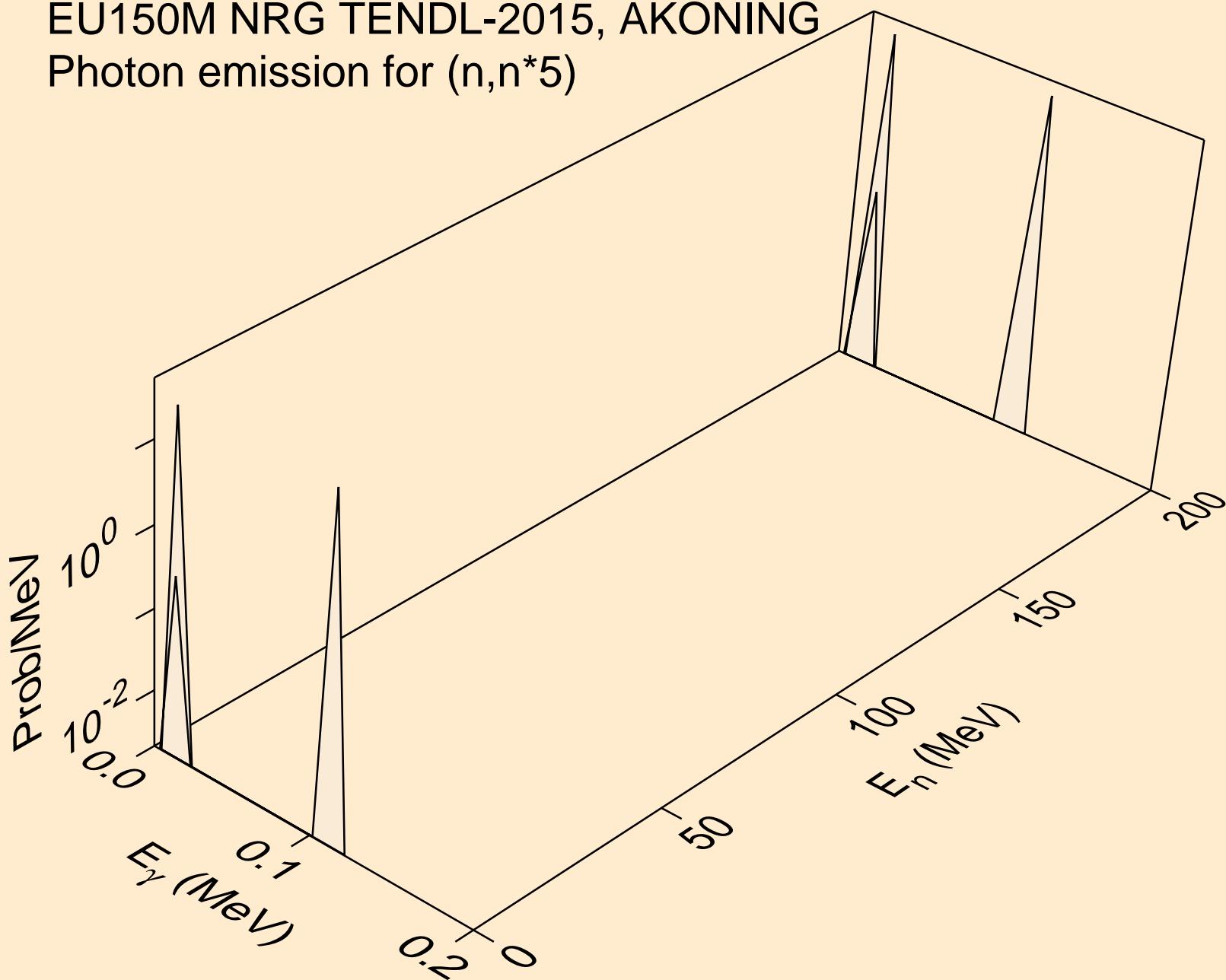
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Photon emission for (n,n\*3)



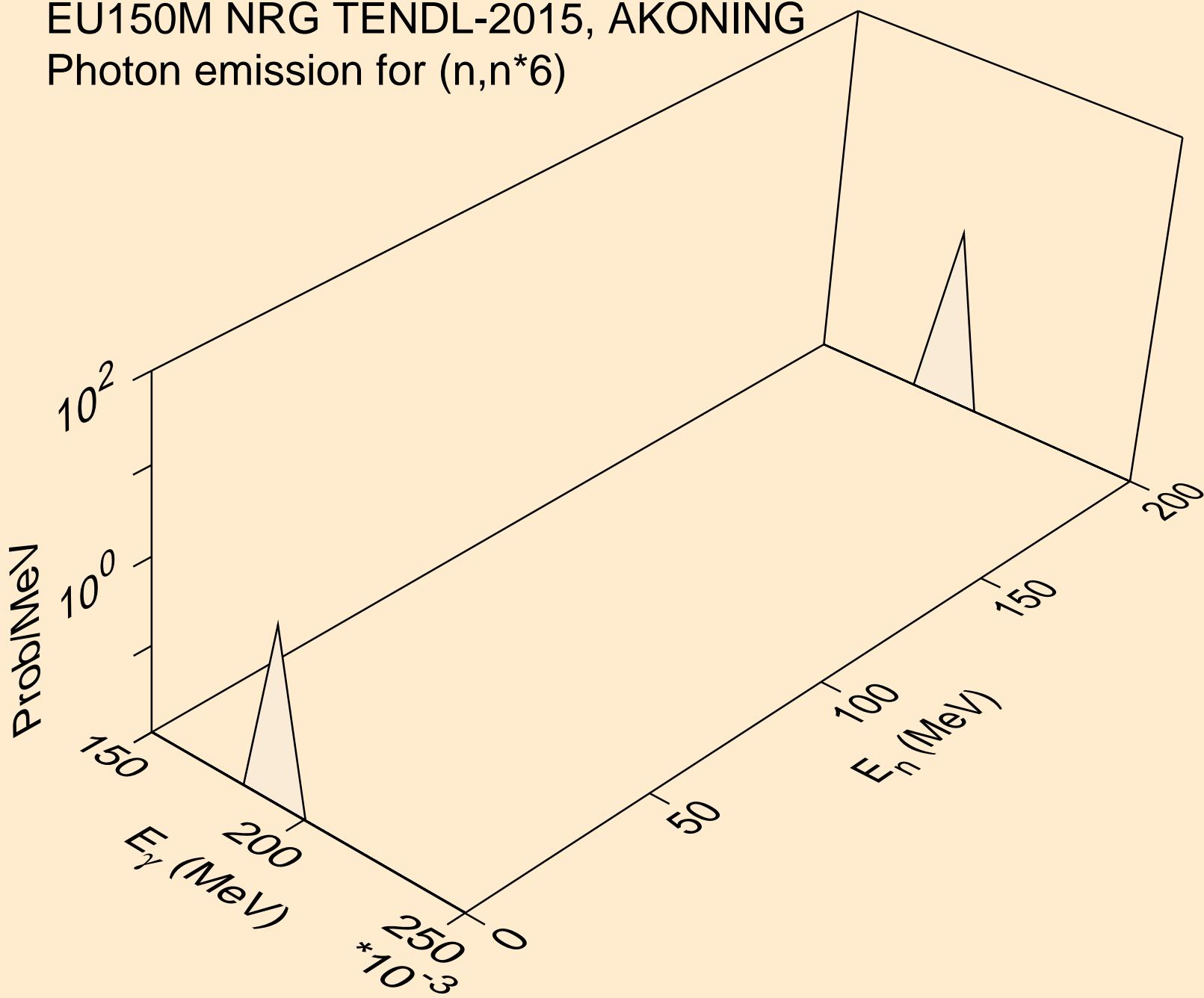
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Photon emission for (n,n\*4)



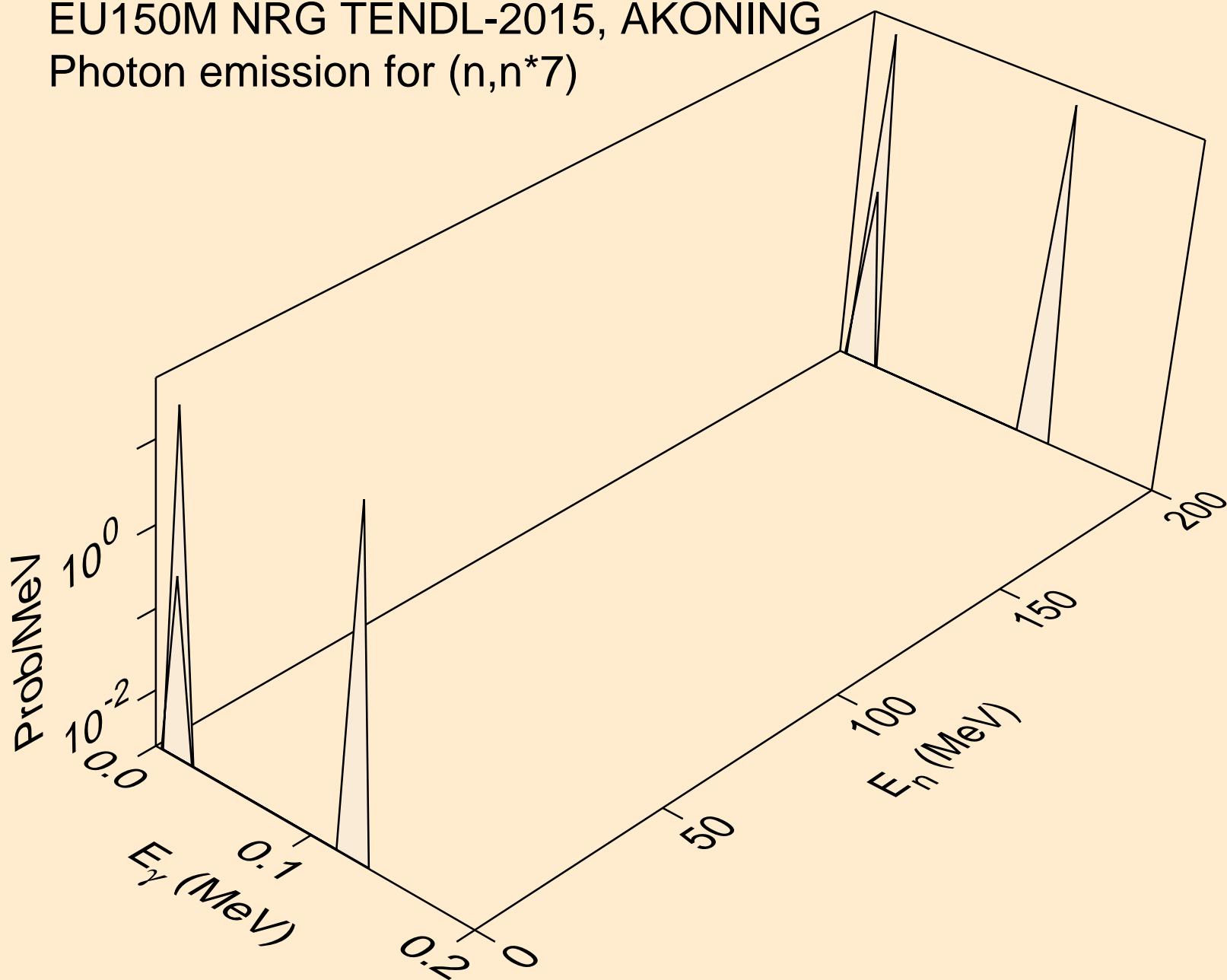
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Photon emission for (n,n\*5)



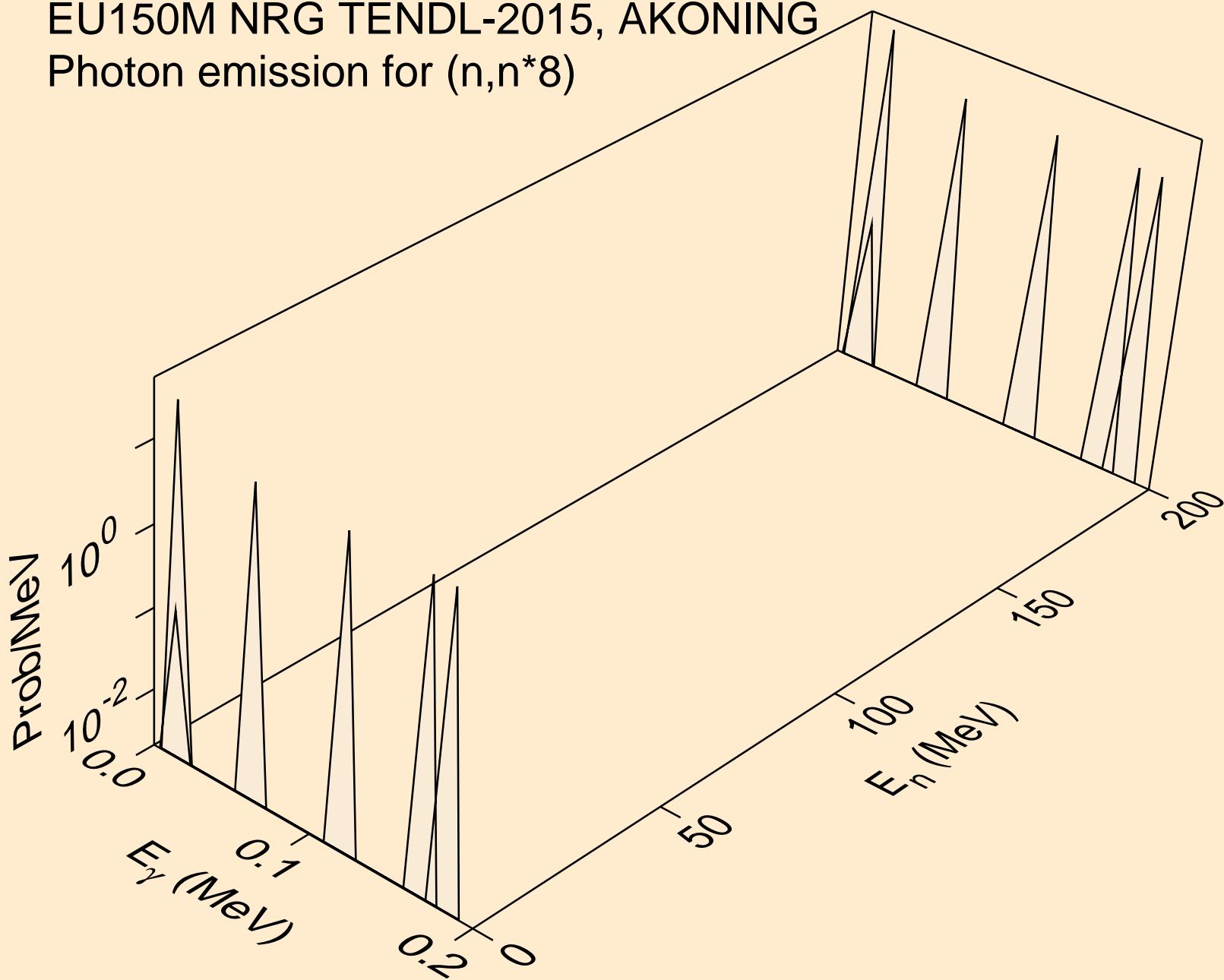
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Photon emission for (n,n\*6)



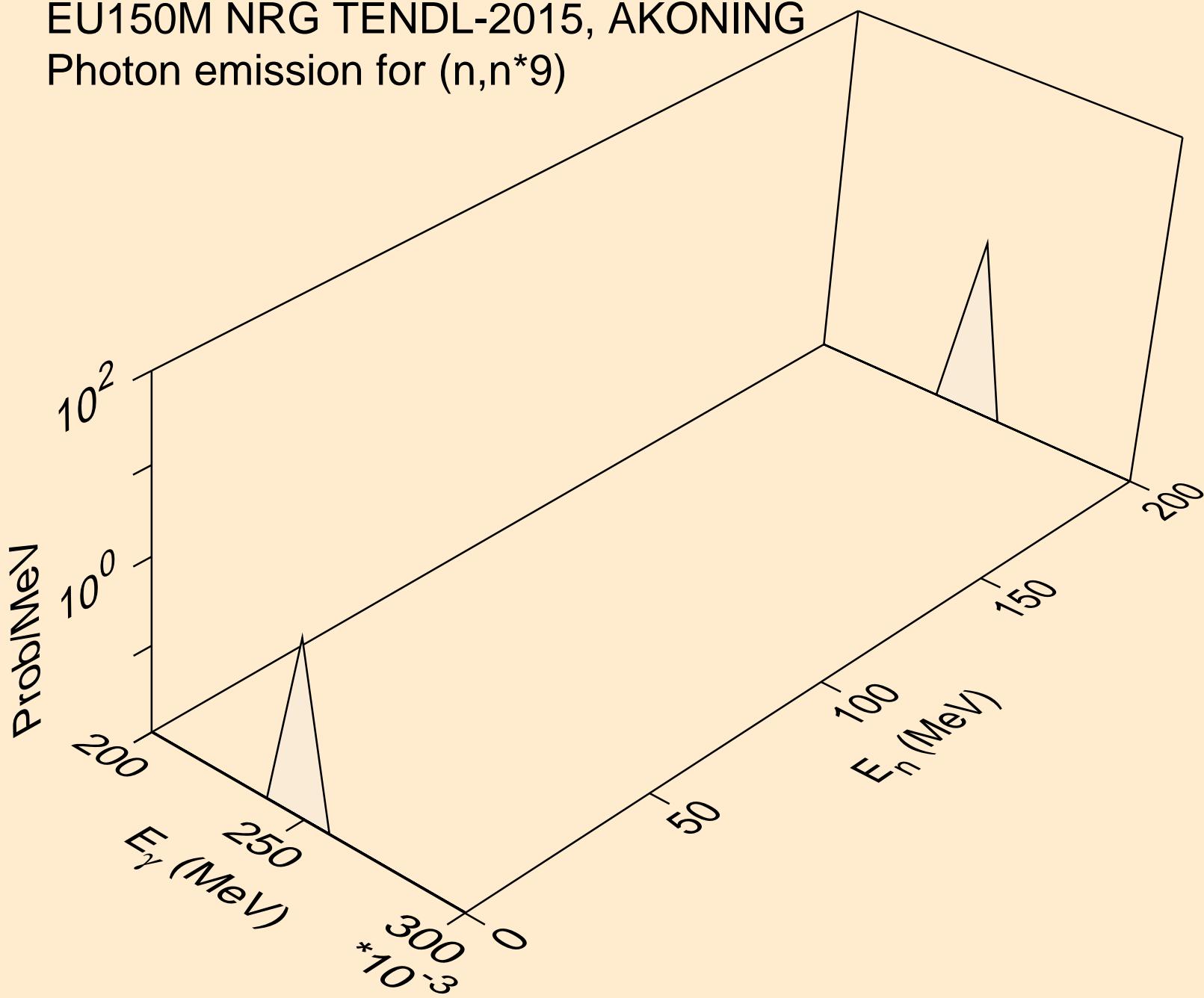
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Photon emission for ( $n, n^* 7$ )



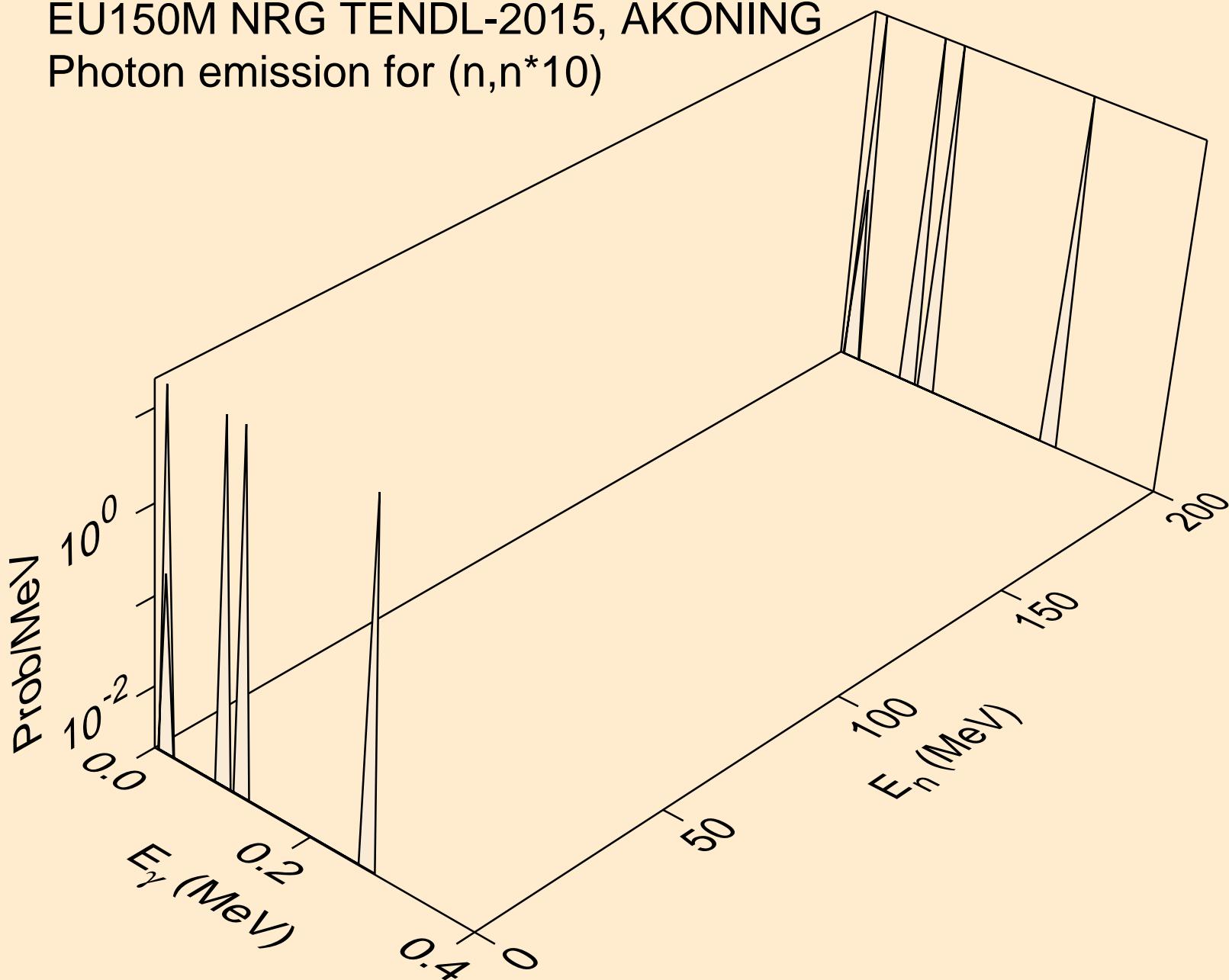
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Photon emission for (n,n\*8)



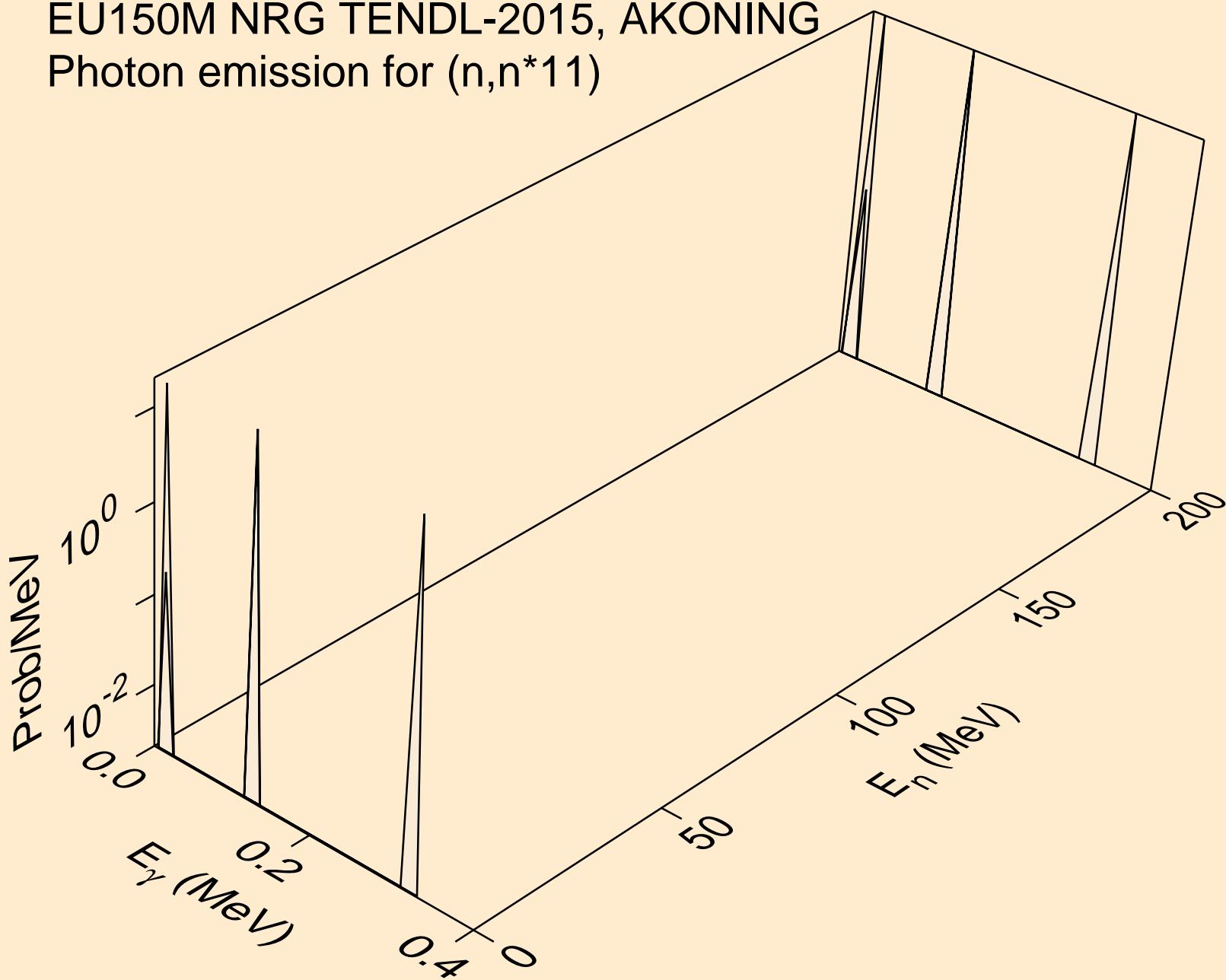
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Photon emission for (n,n\*9)



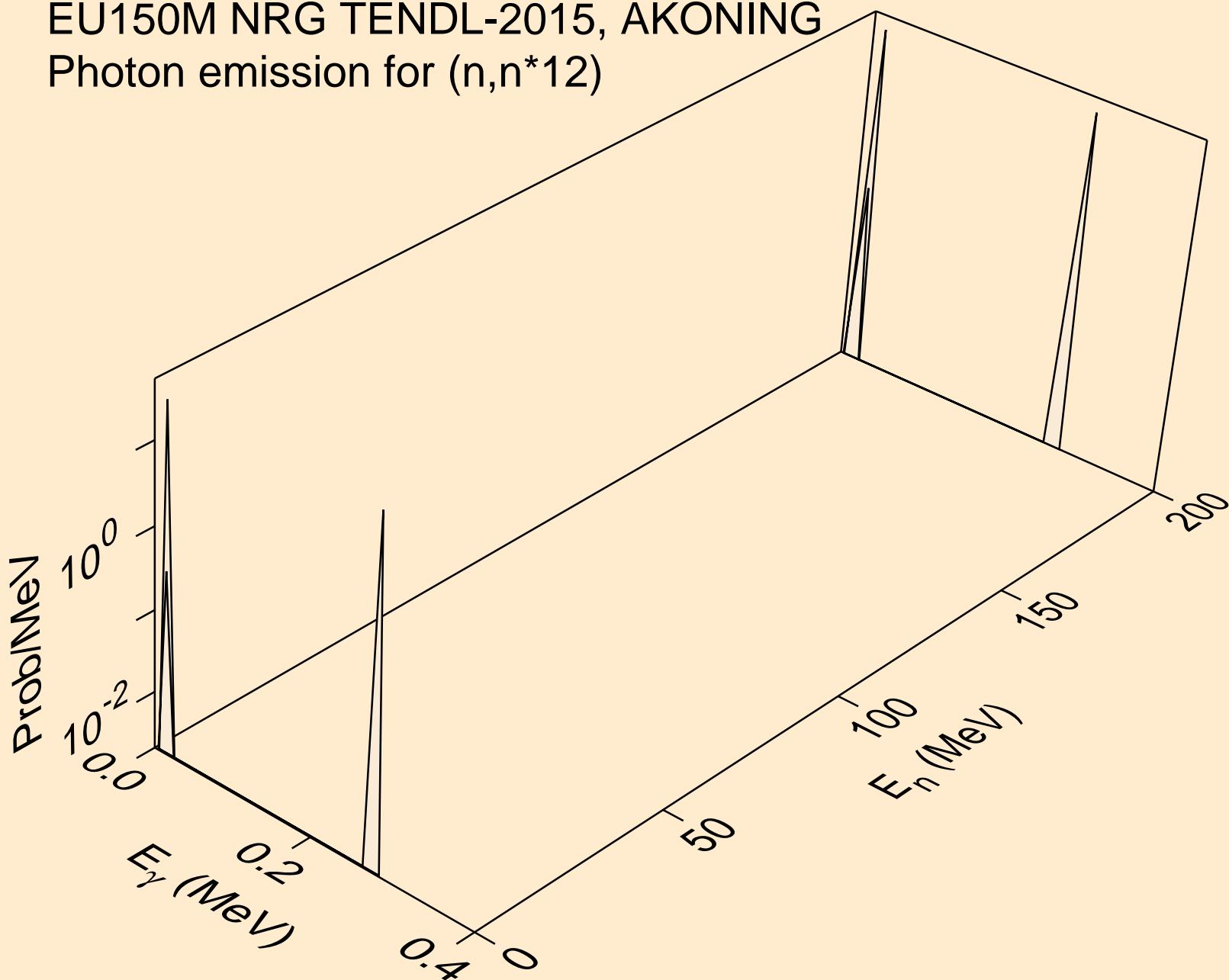
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Photon emission for (n,n\*10)



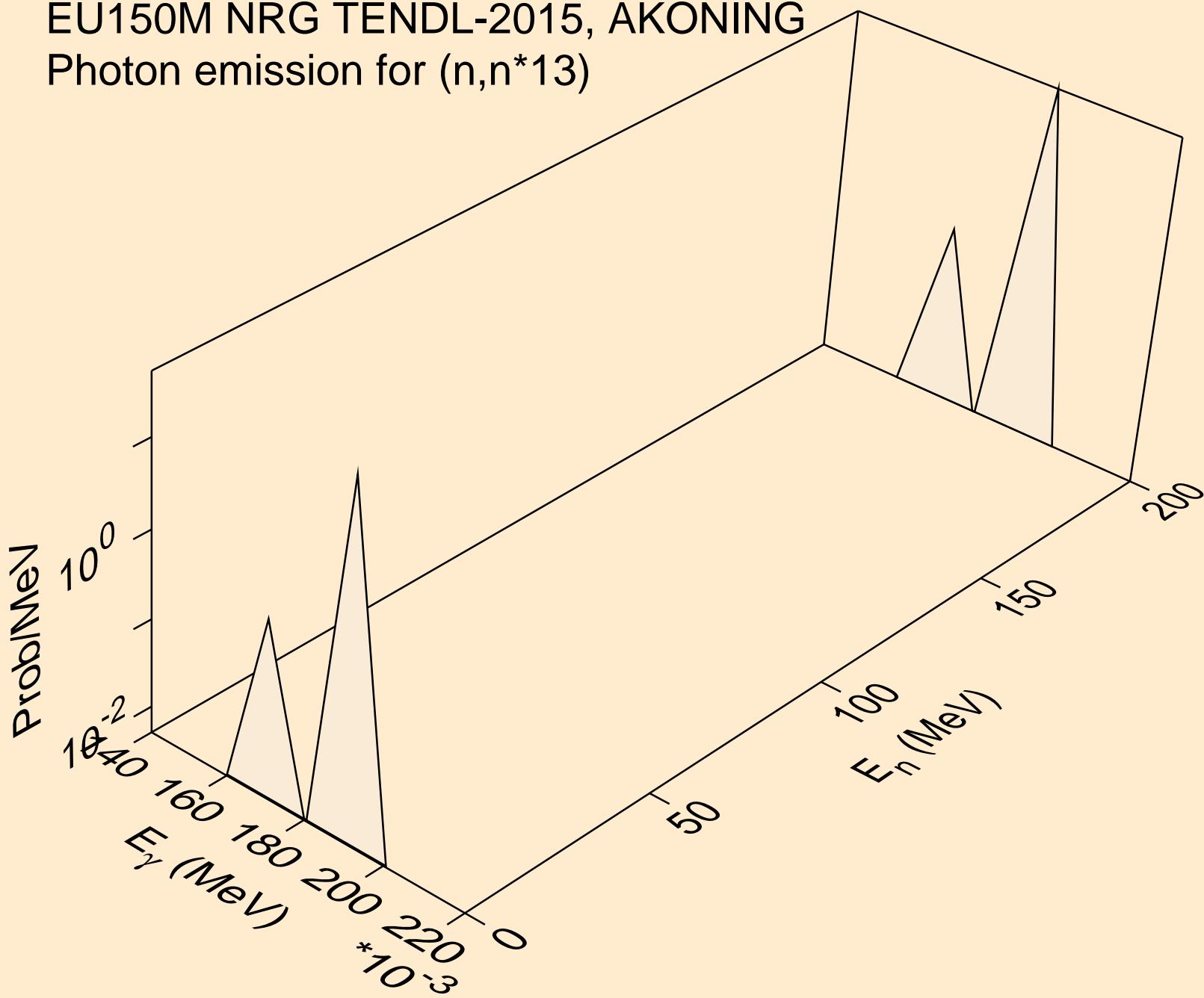
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Photon emission for (n,n\*11)



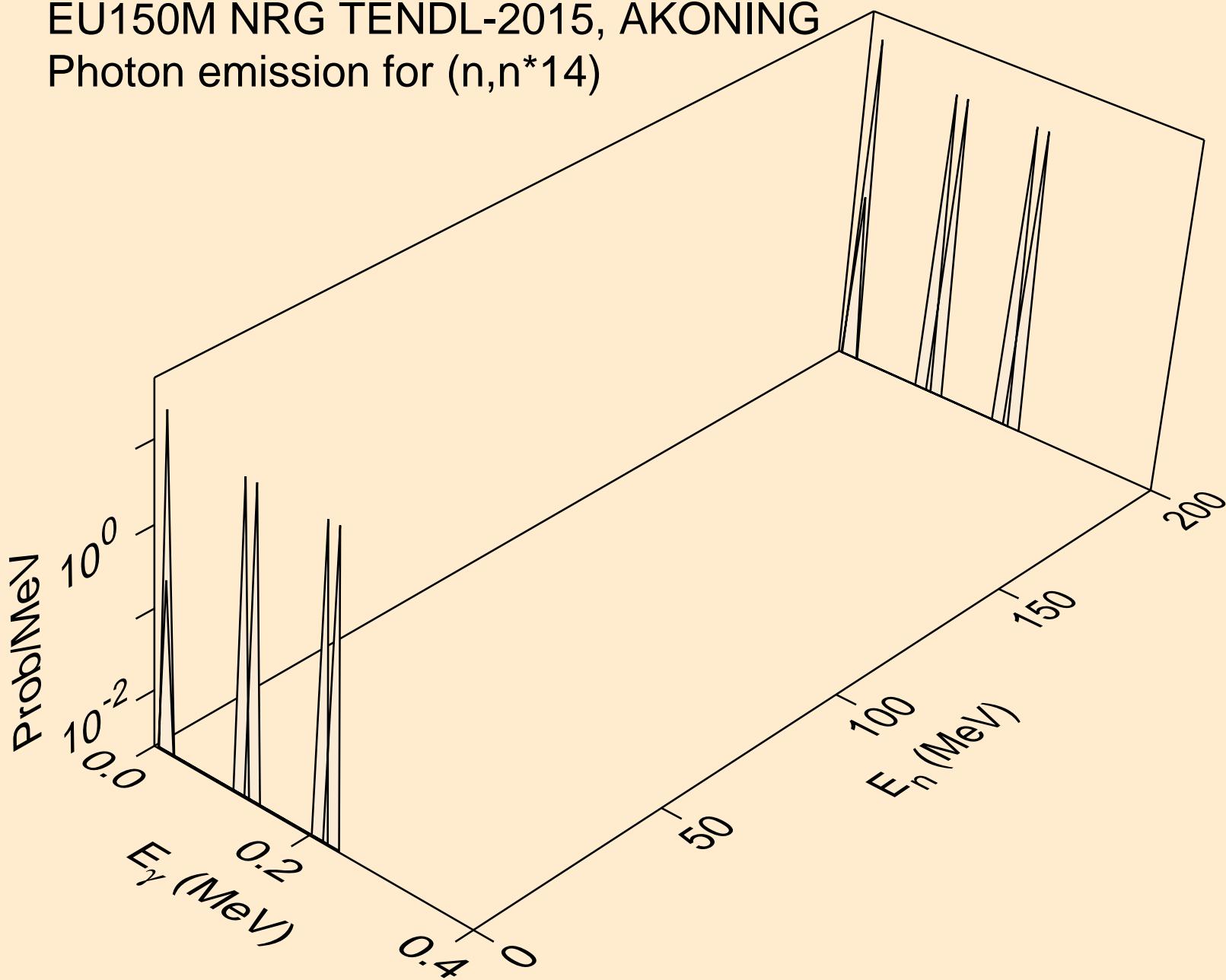
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Photon emission for (n,n\*12)



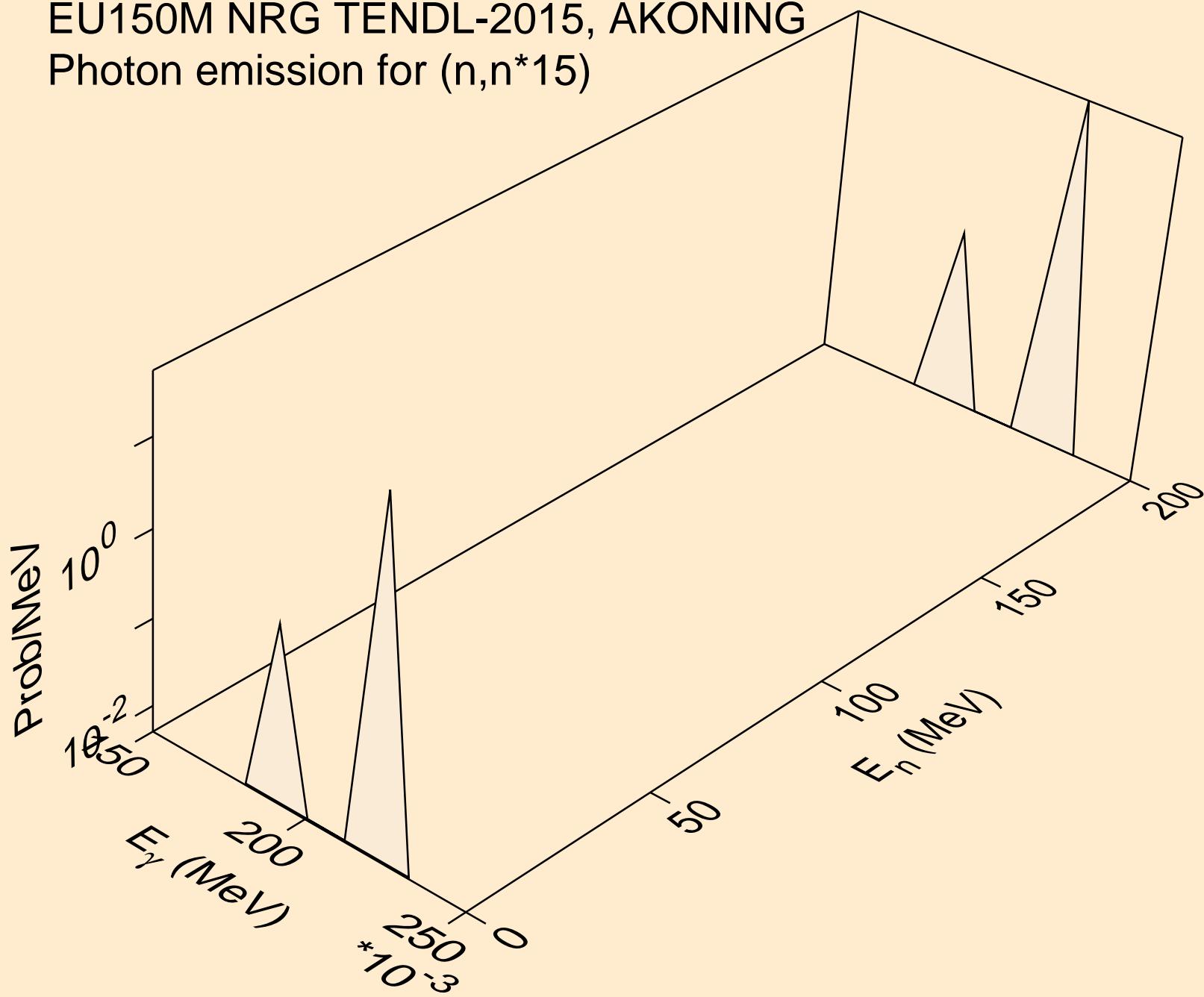
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Photon emission for (n,n\*13)



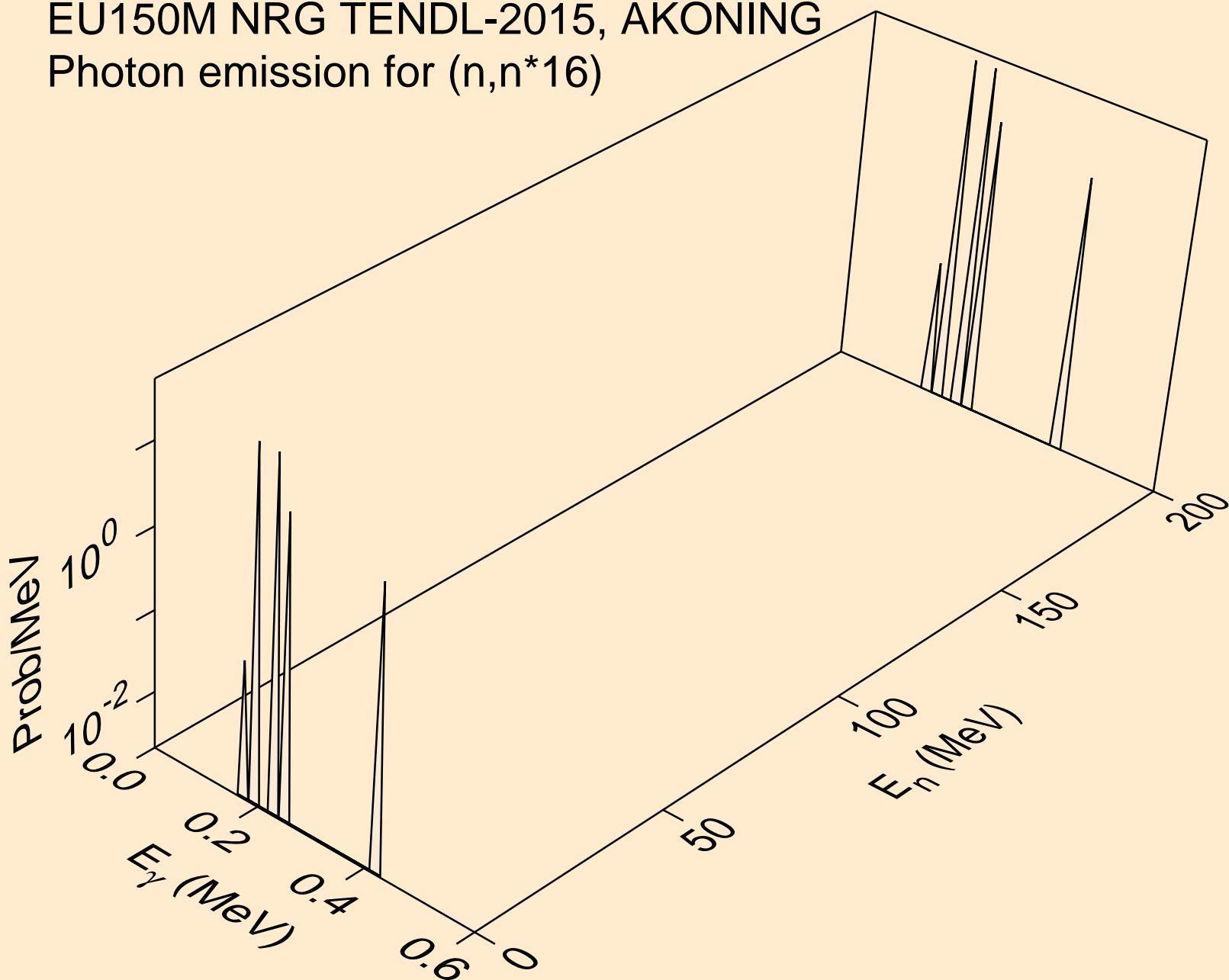
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Photon emission for (n,n\*14)



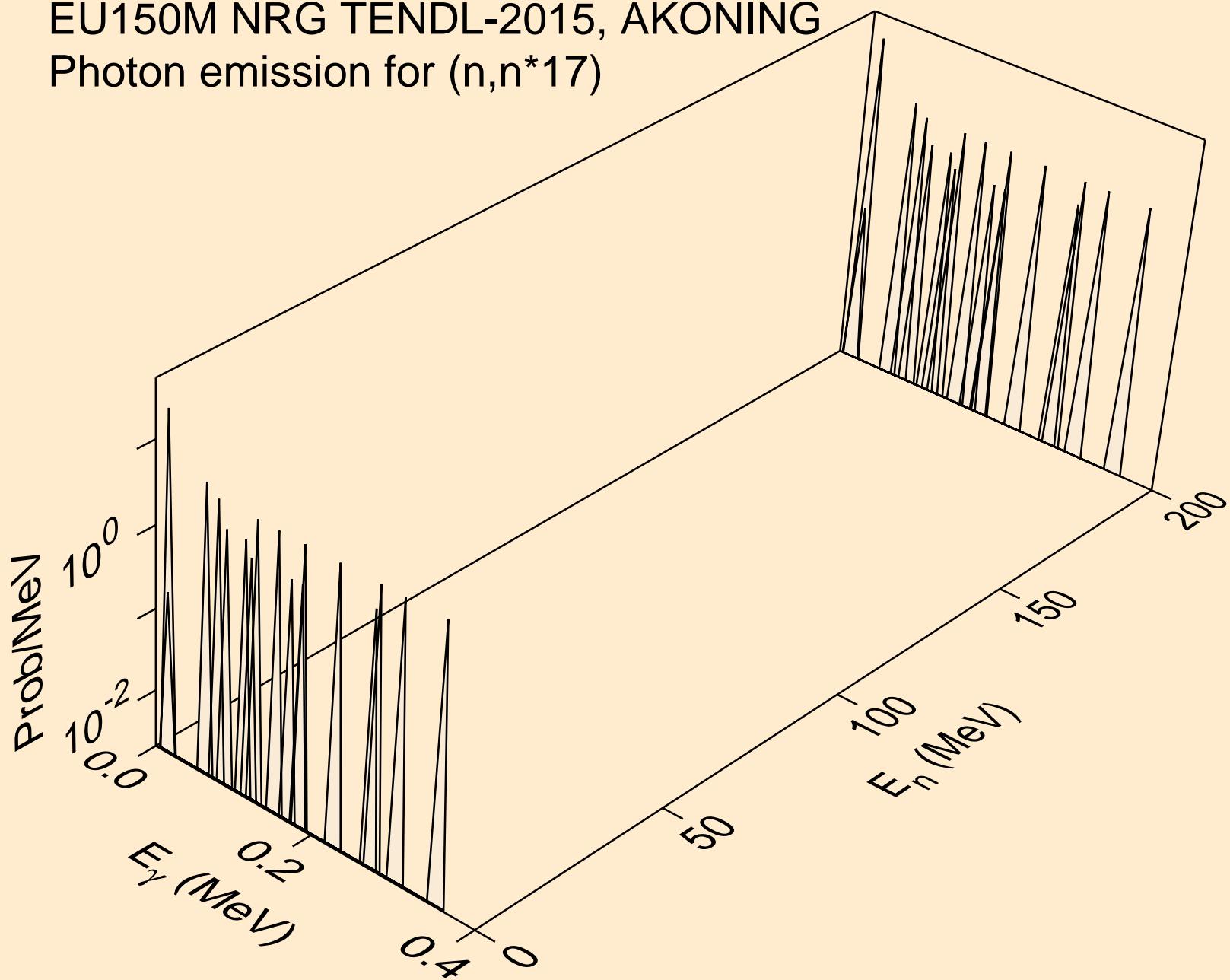
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Photon emission for (n,n\*15)



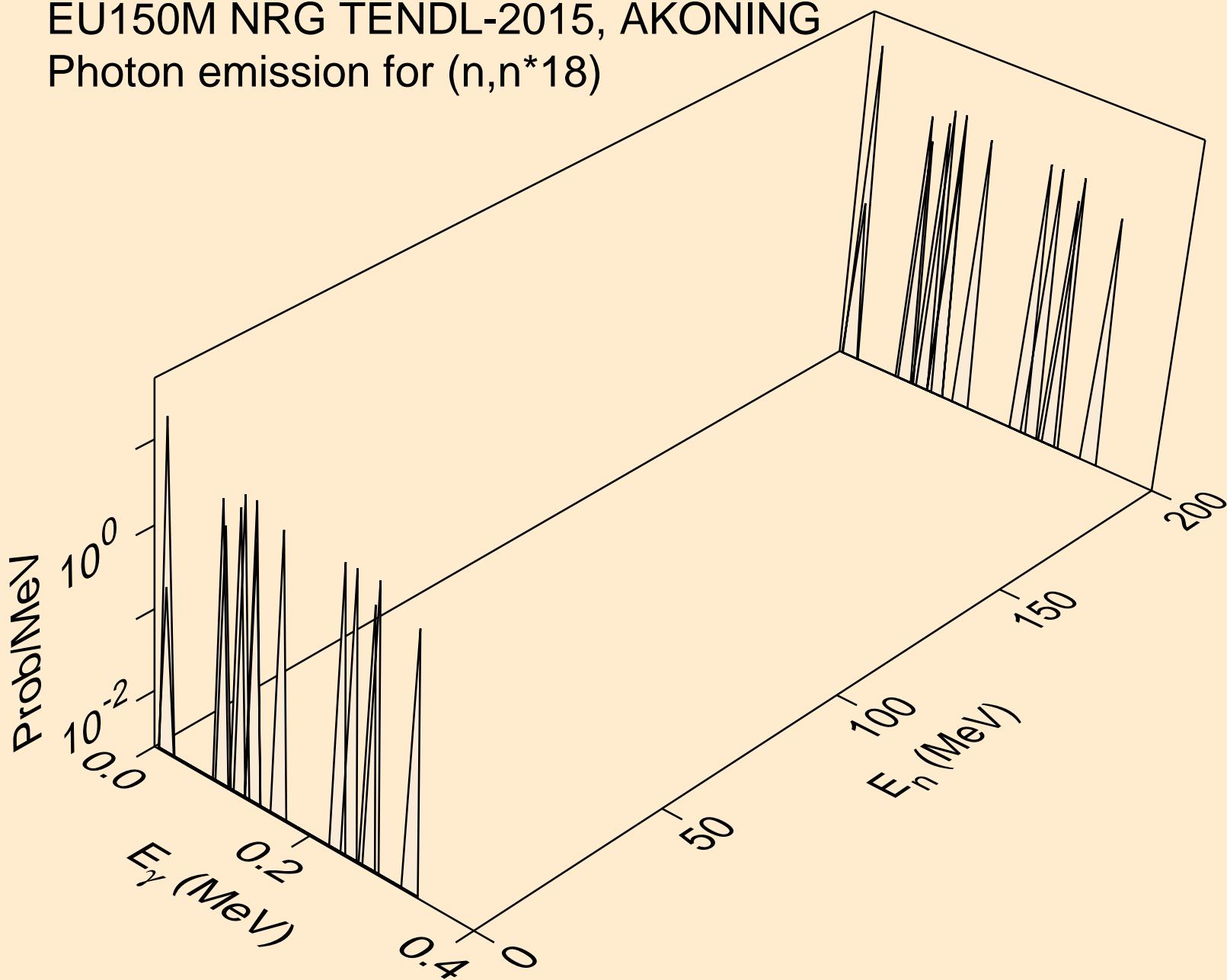
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Photon emission for (n,n\*16)



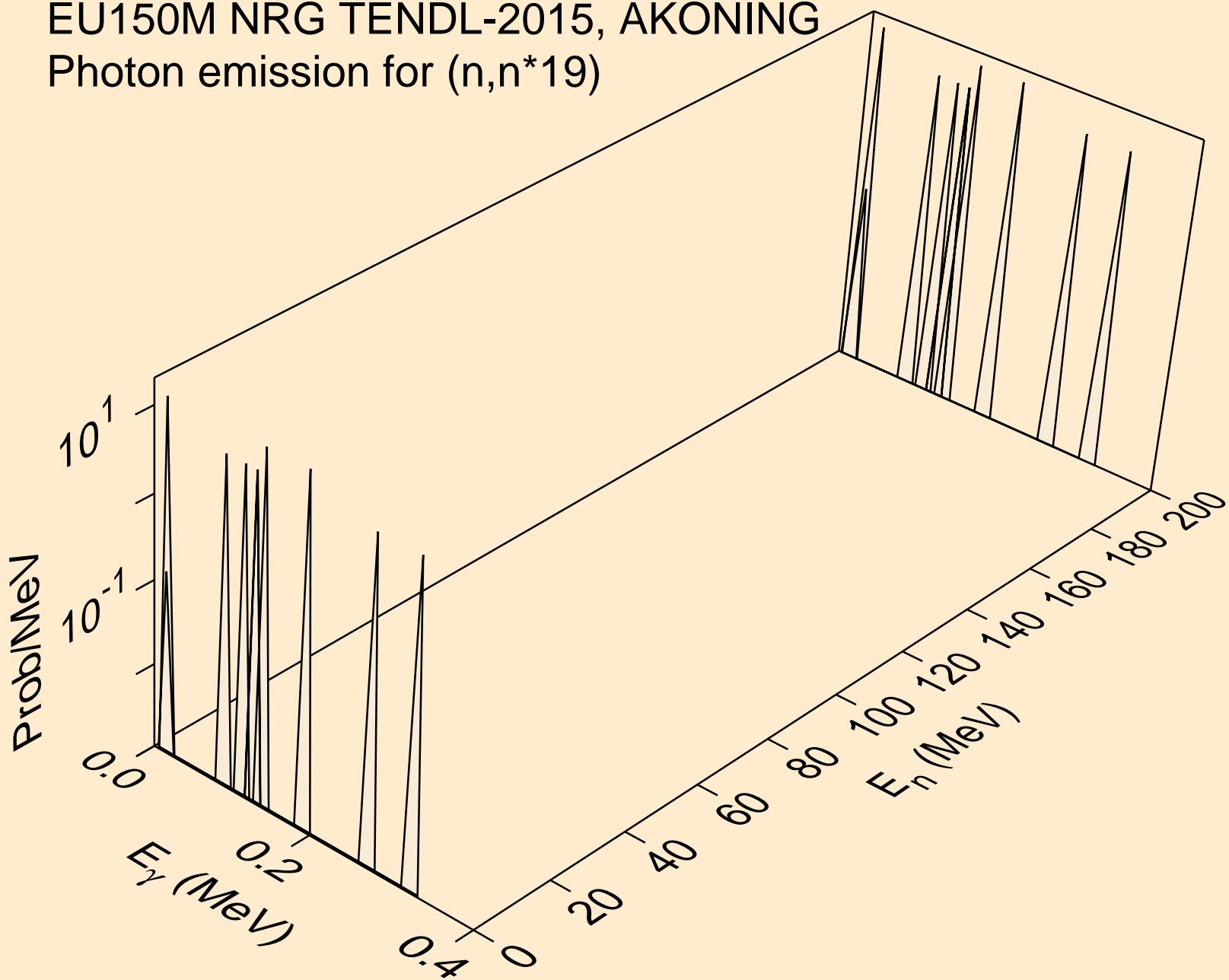
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Photon emission for (n,n\*17)



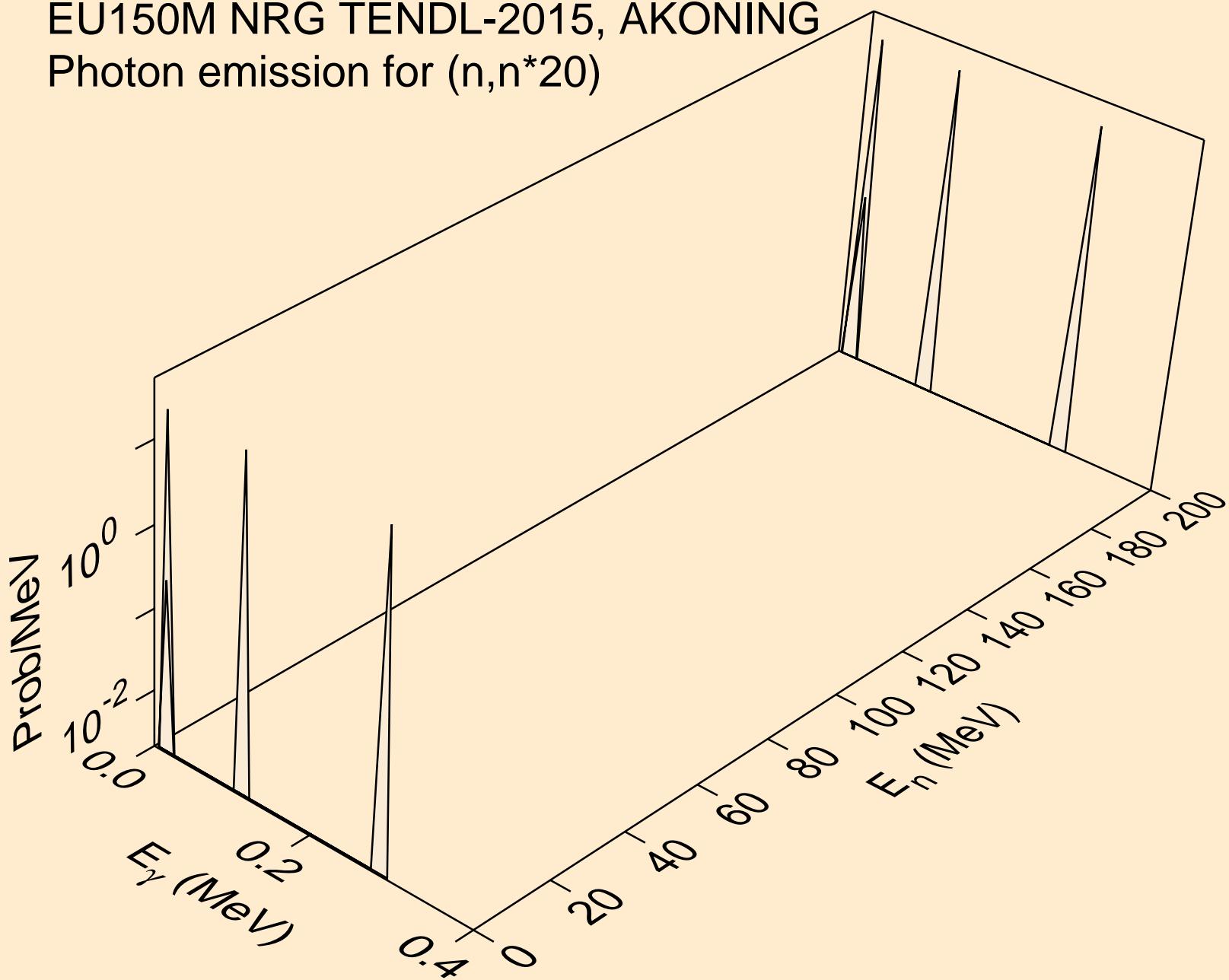
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Photon emission for (n,n\*18)



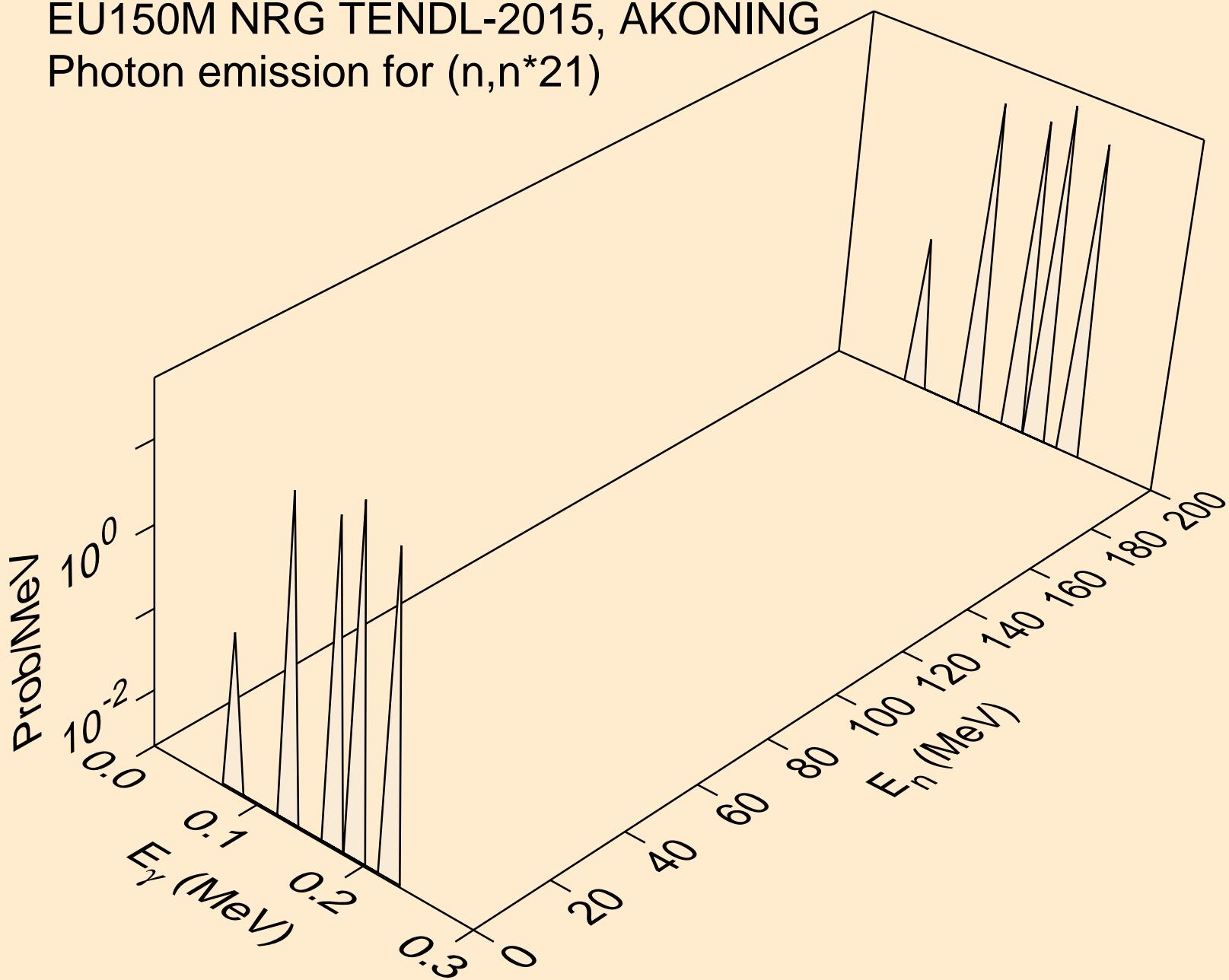
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Photon emission for (n,n\*19)



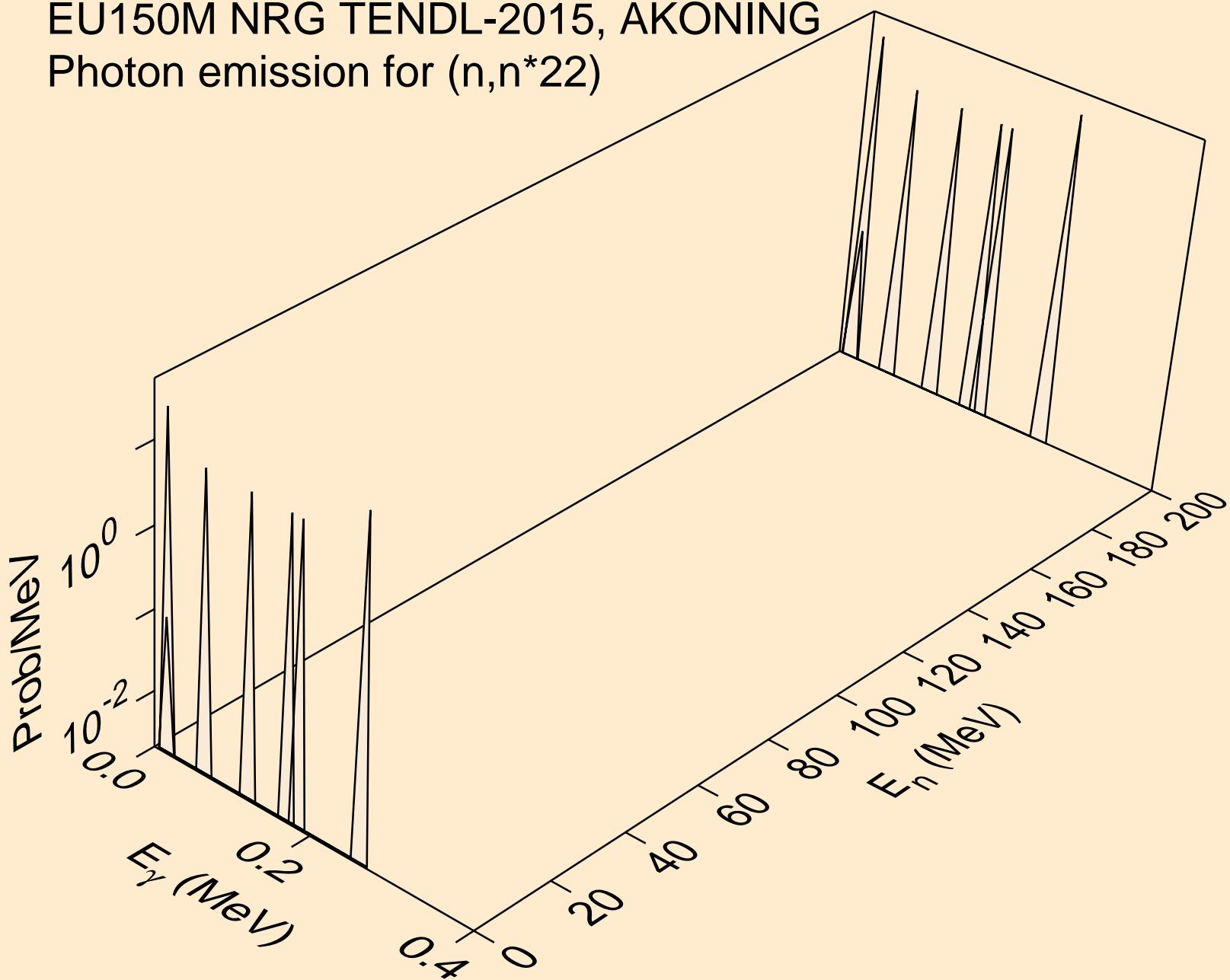
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Photon emission for (n,n\*20)



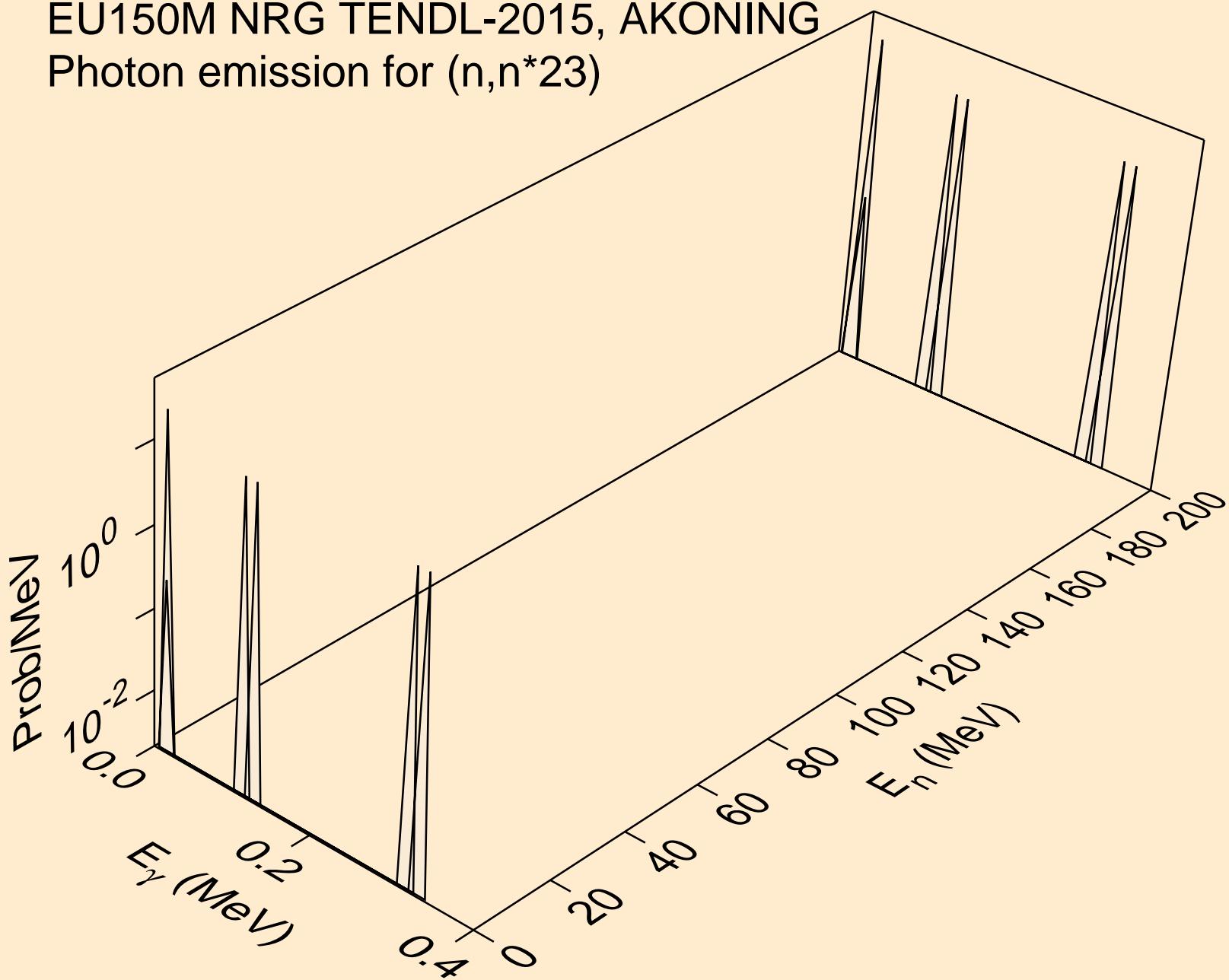
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Photon emission for (n,n\*21)



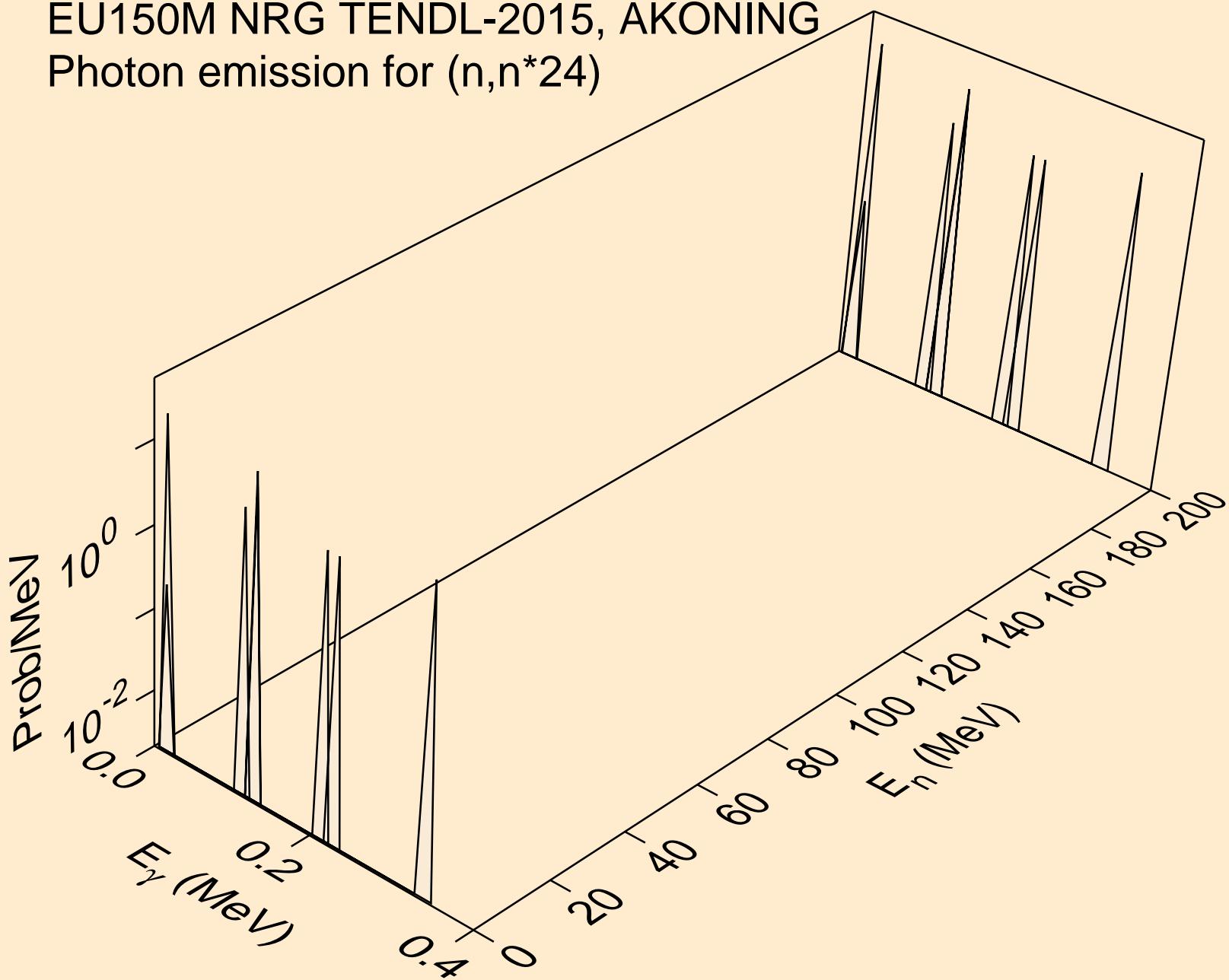
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Photon emission for (n,n\*22)



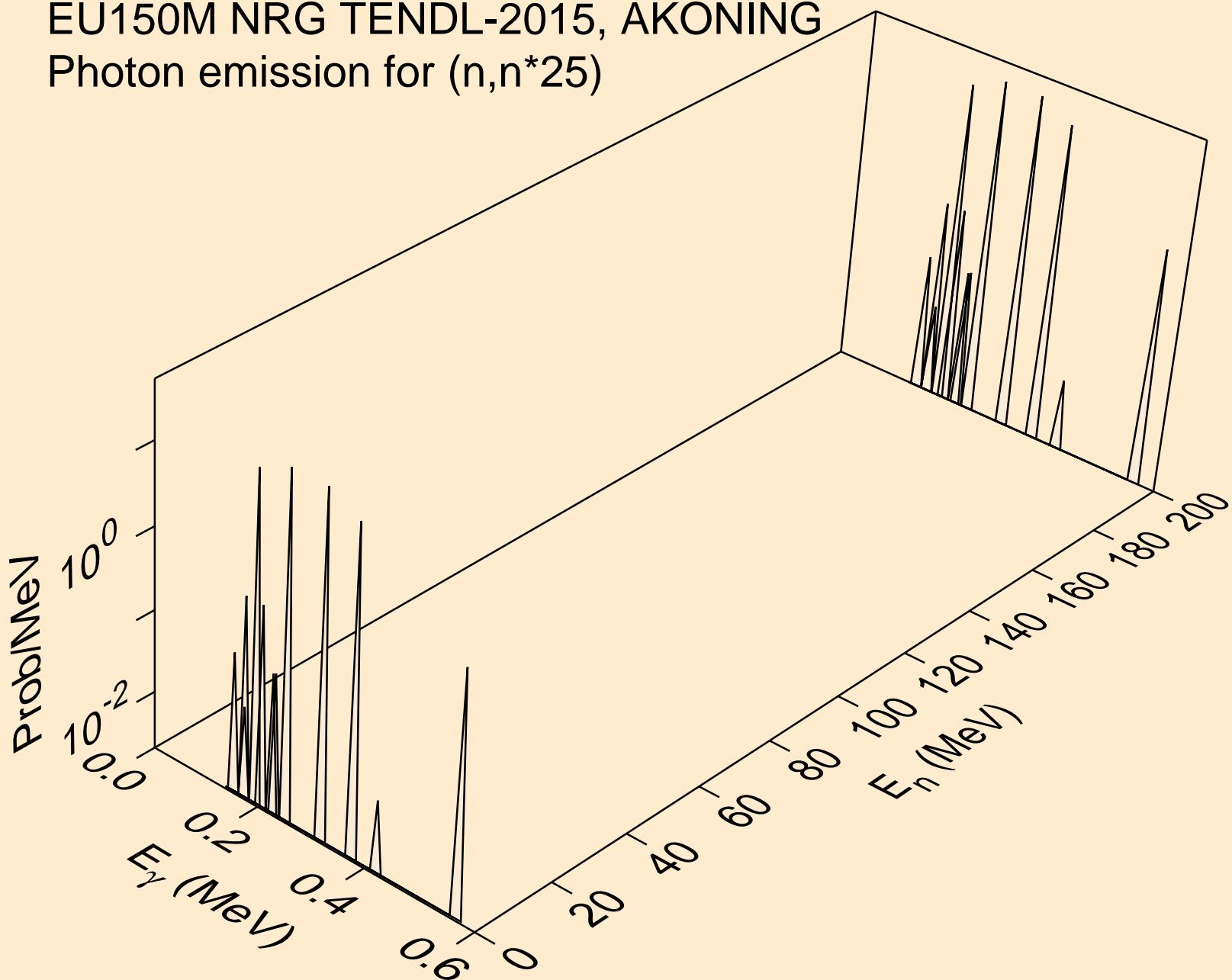
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Photon emission for (n,n\*23)



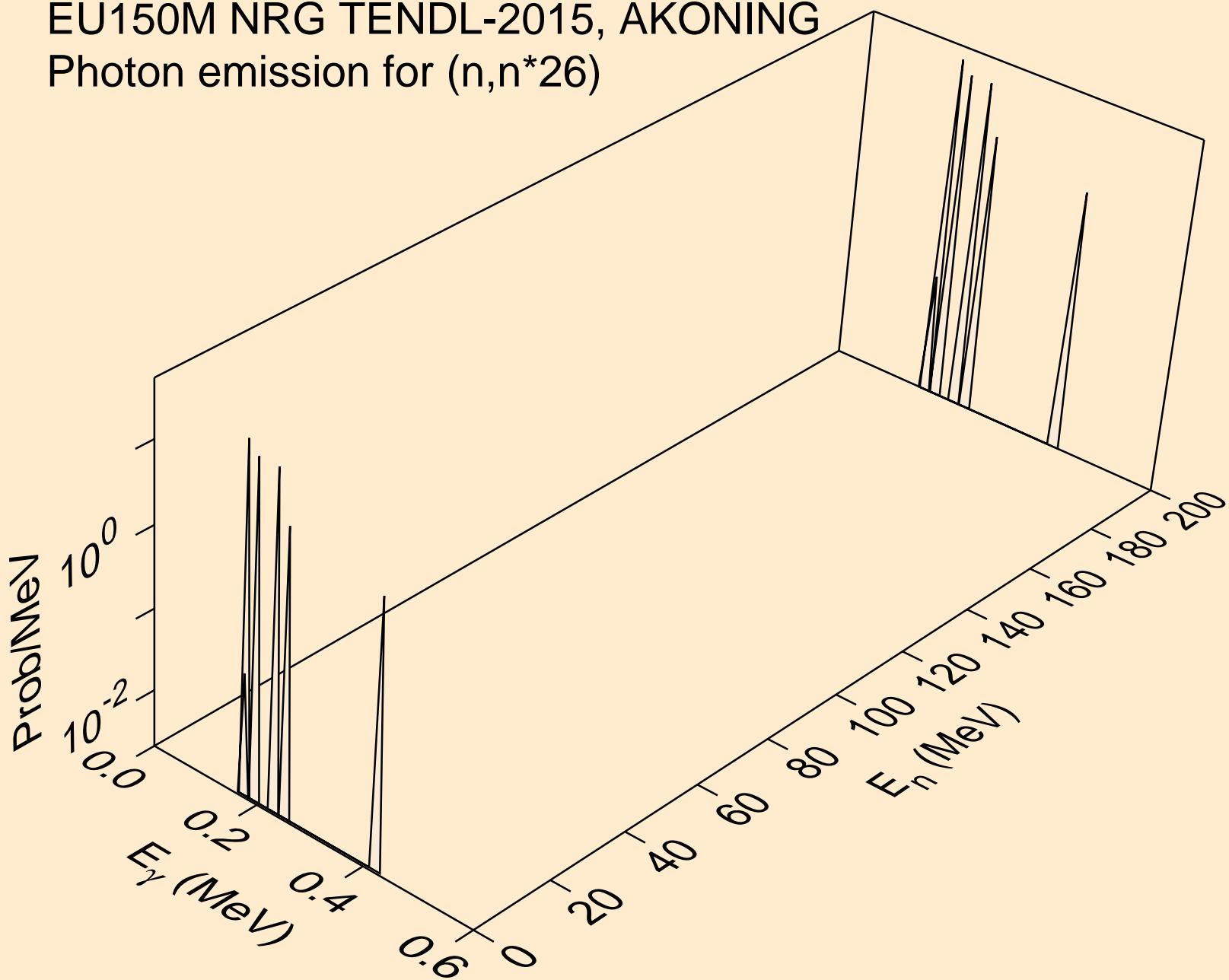
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Photon emission for (n,n\*24)



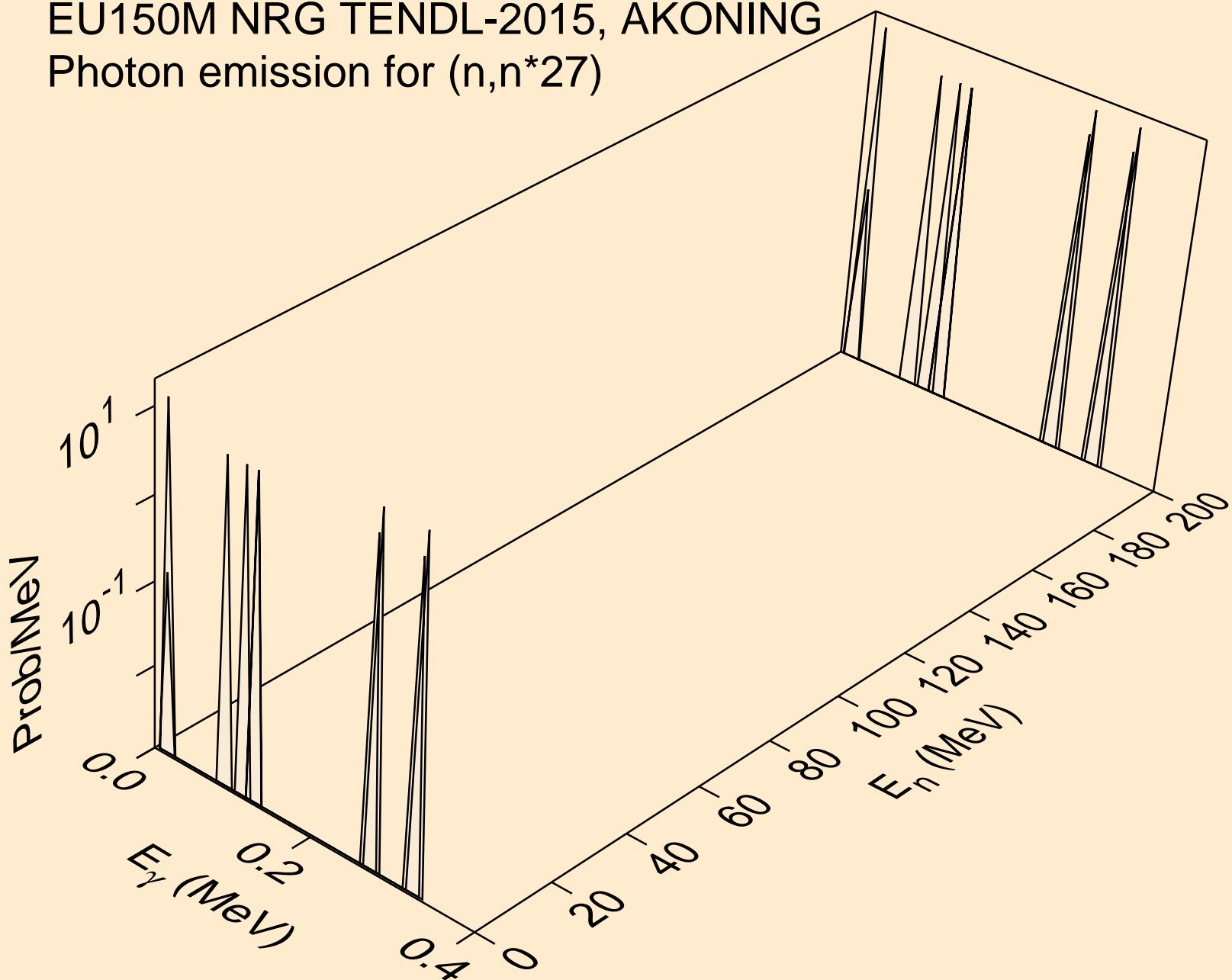
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Photon emission for (n,n\*25)



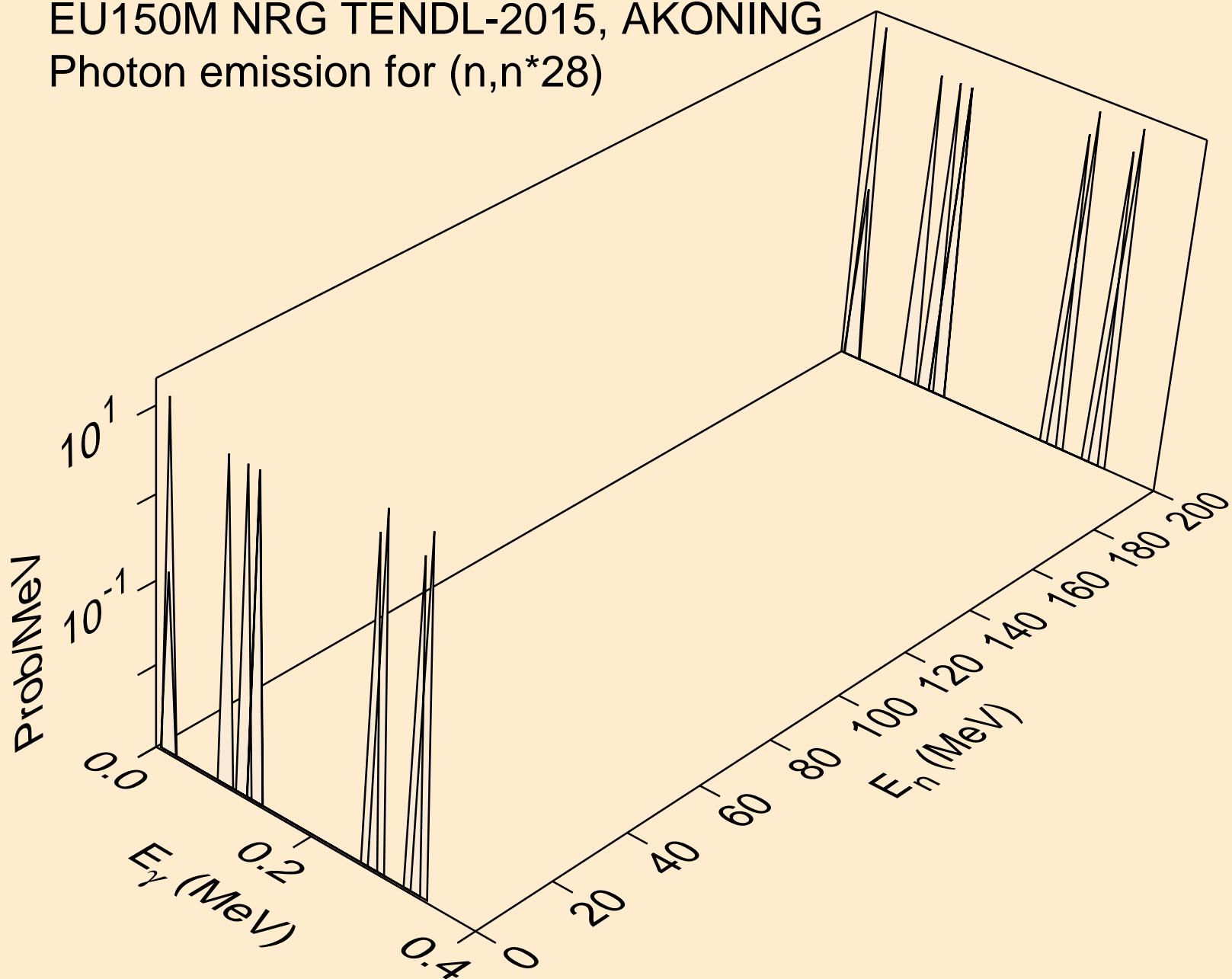
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Photon emission for (n,n\*26)



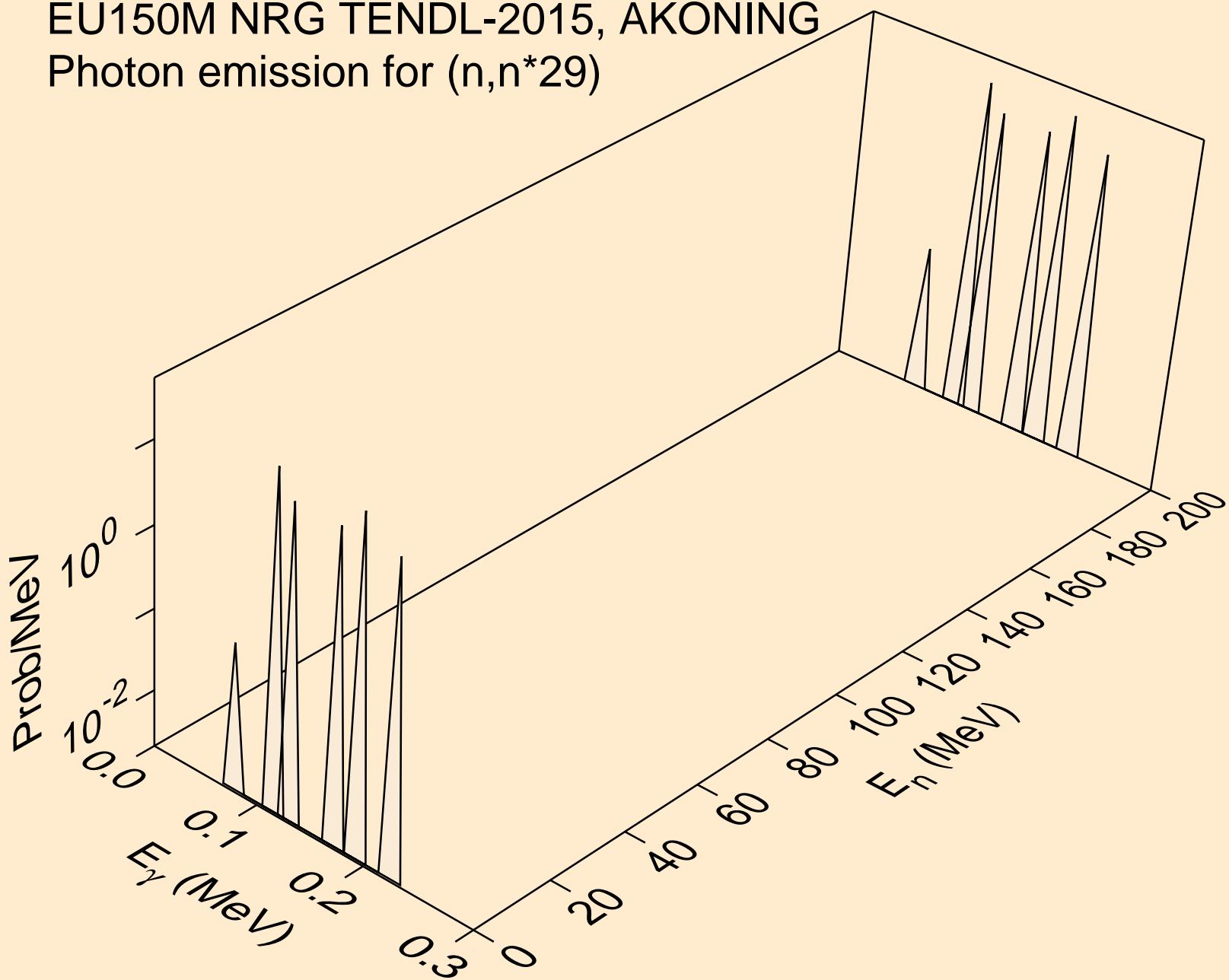
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Photon emission for (n,n\*27)



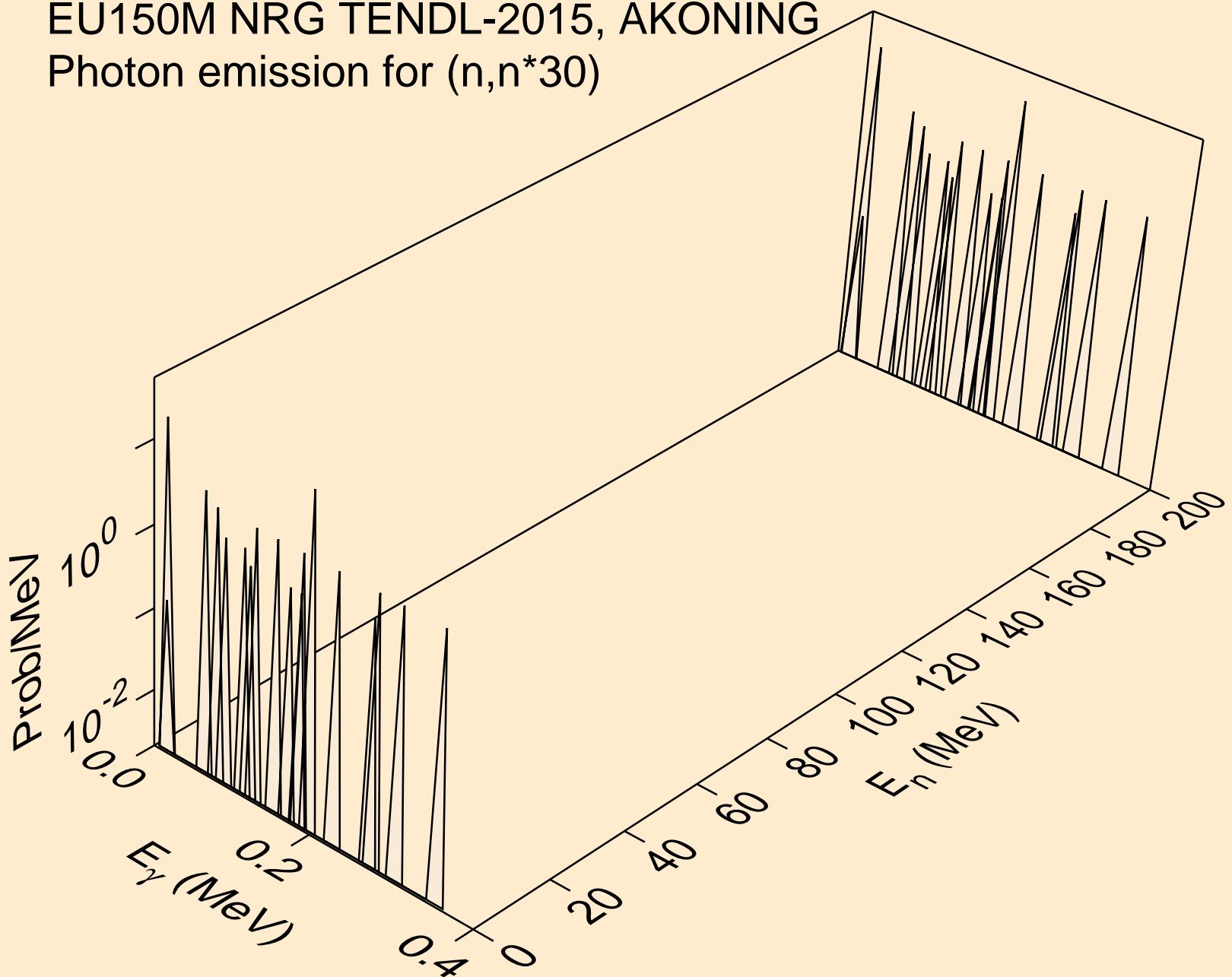
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Photon emission for (n,n\*28)



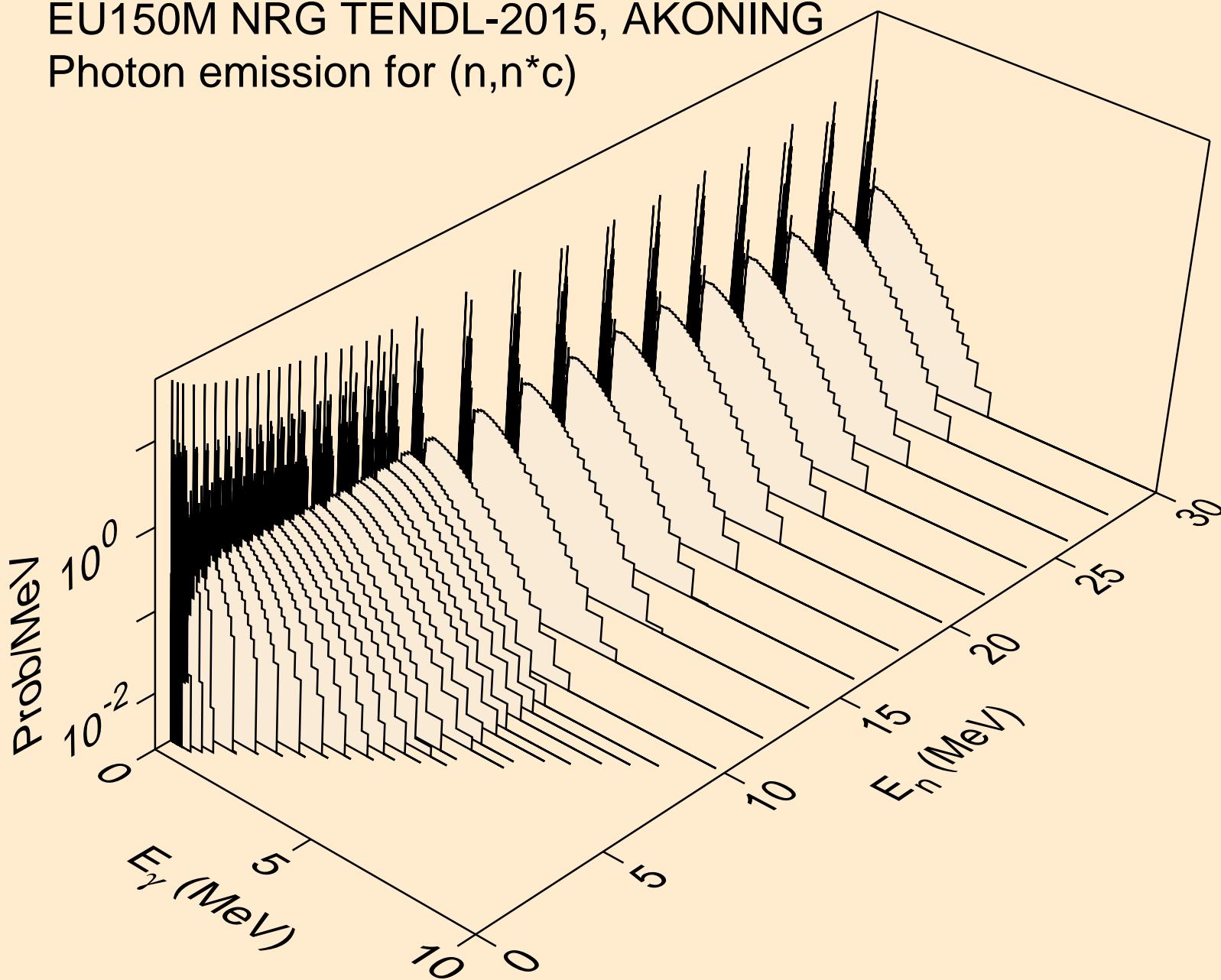
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Photon emission for (n,n\*29)



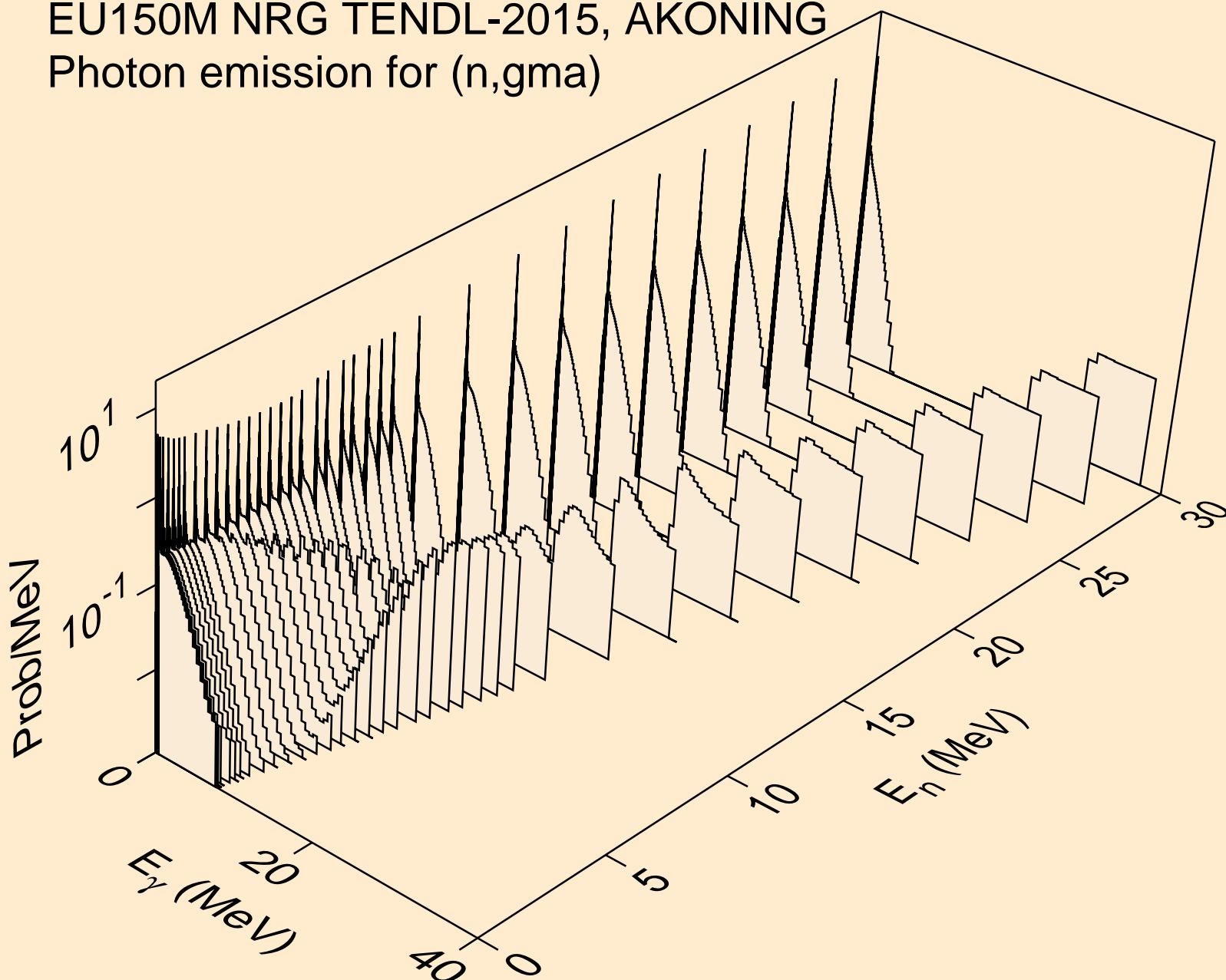
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Photon emission for (n,n\*30)



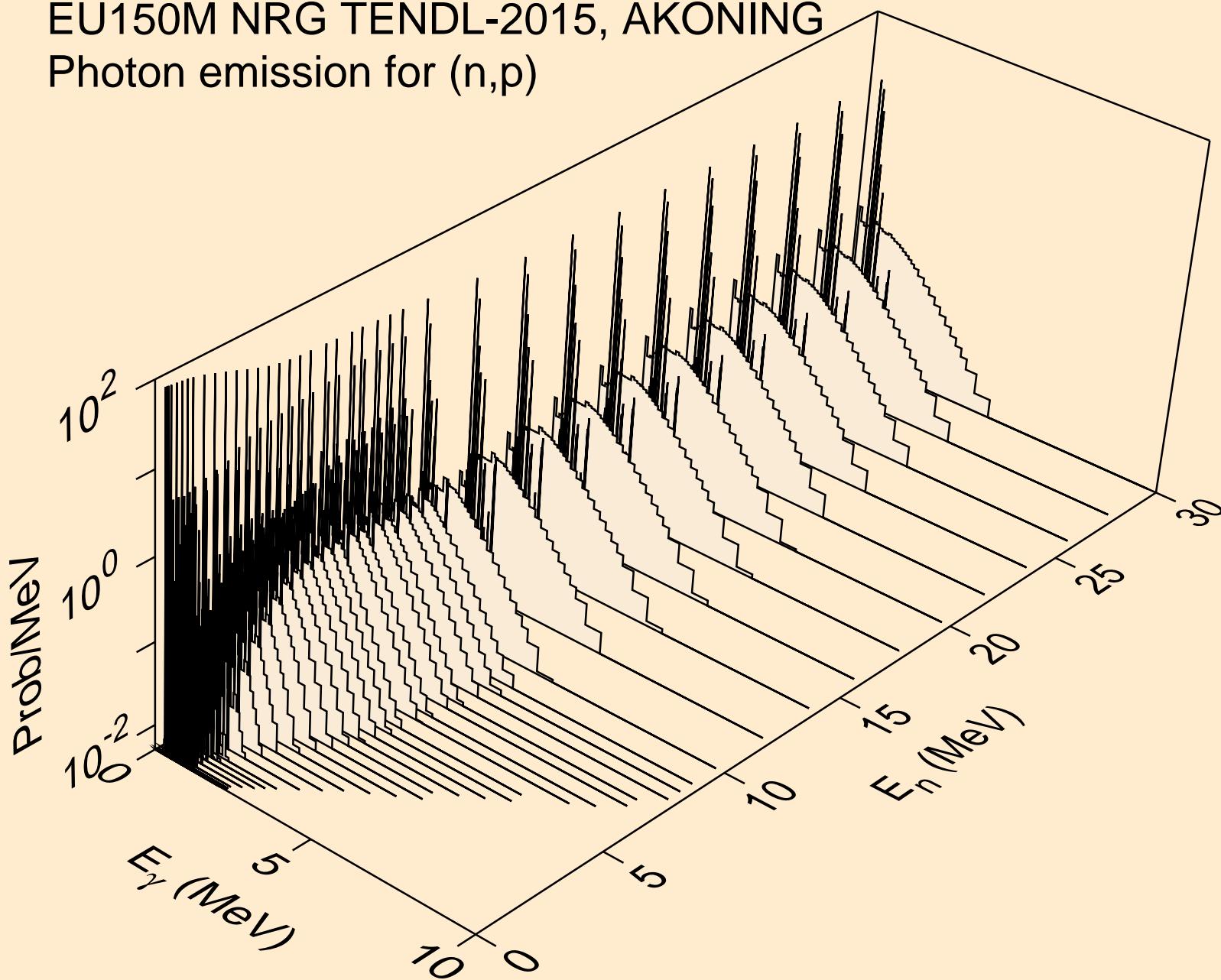
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Photon emission for (n,n\*c)



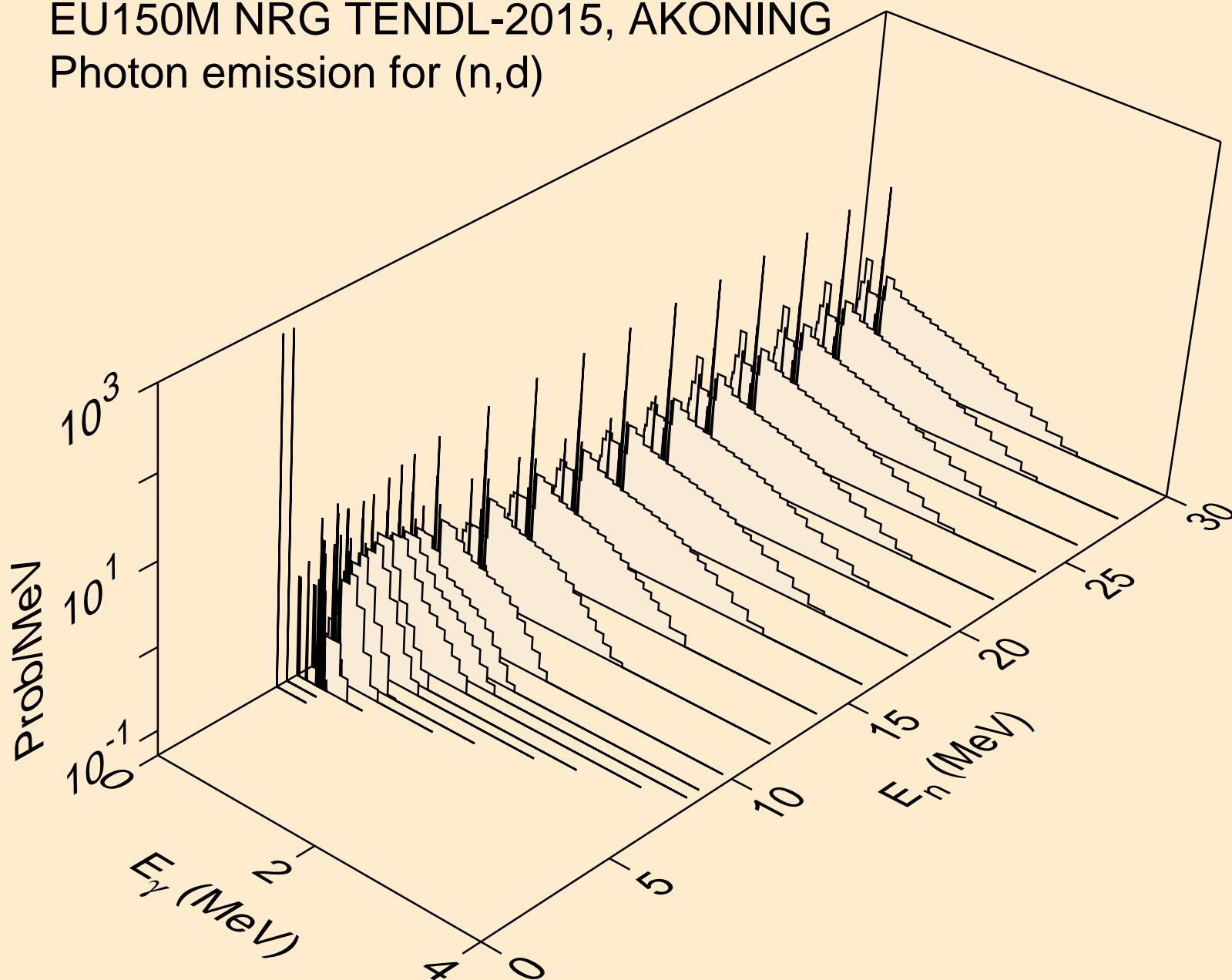
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Photon emission for (n,gma)



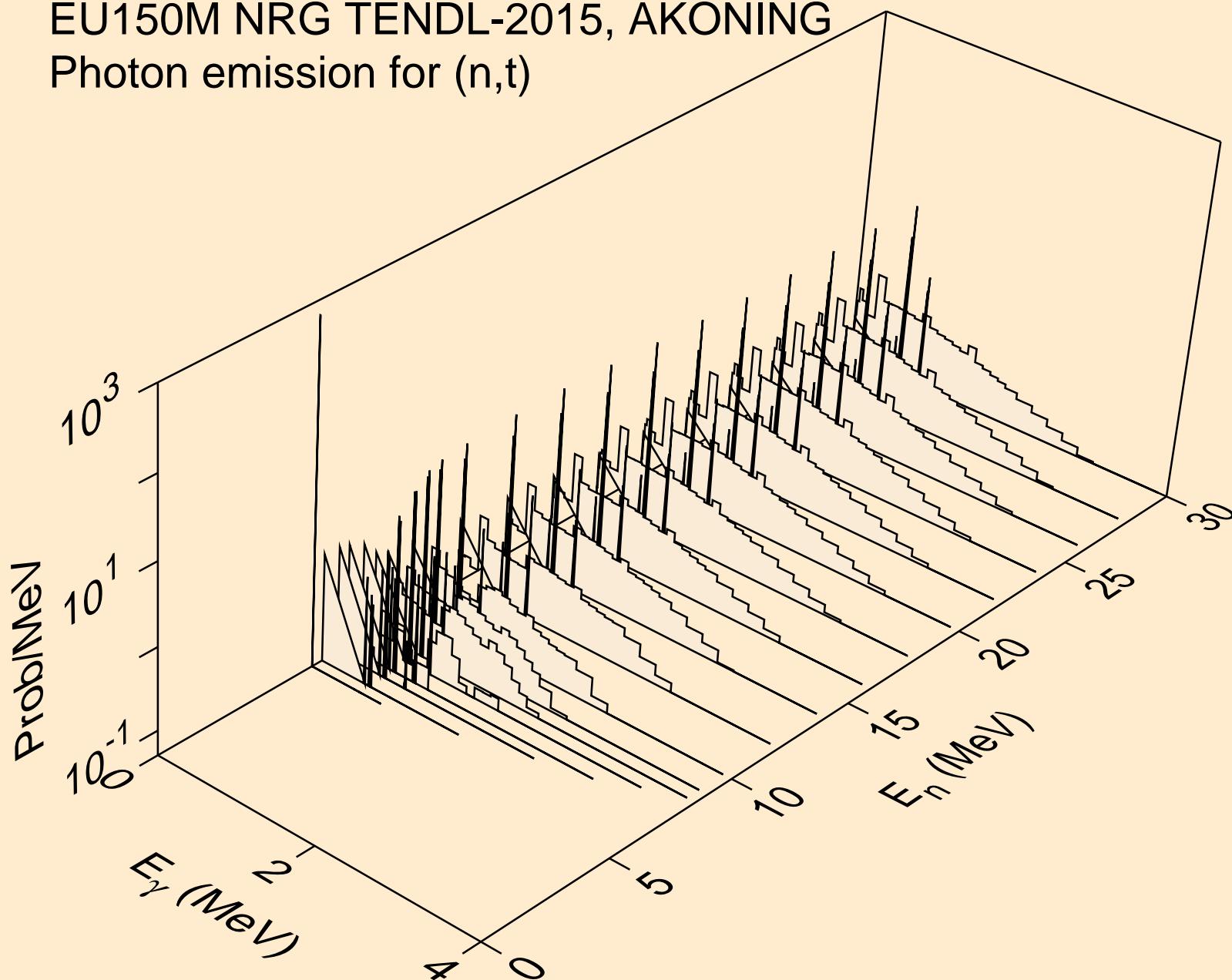
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Photon emission for (n,p)



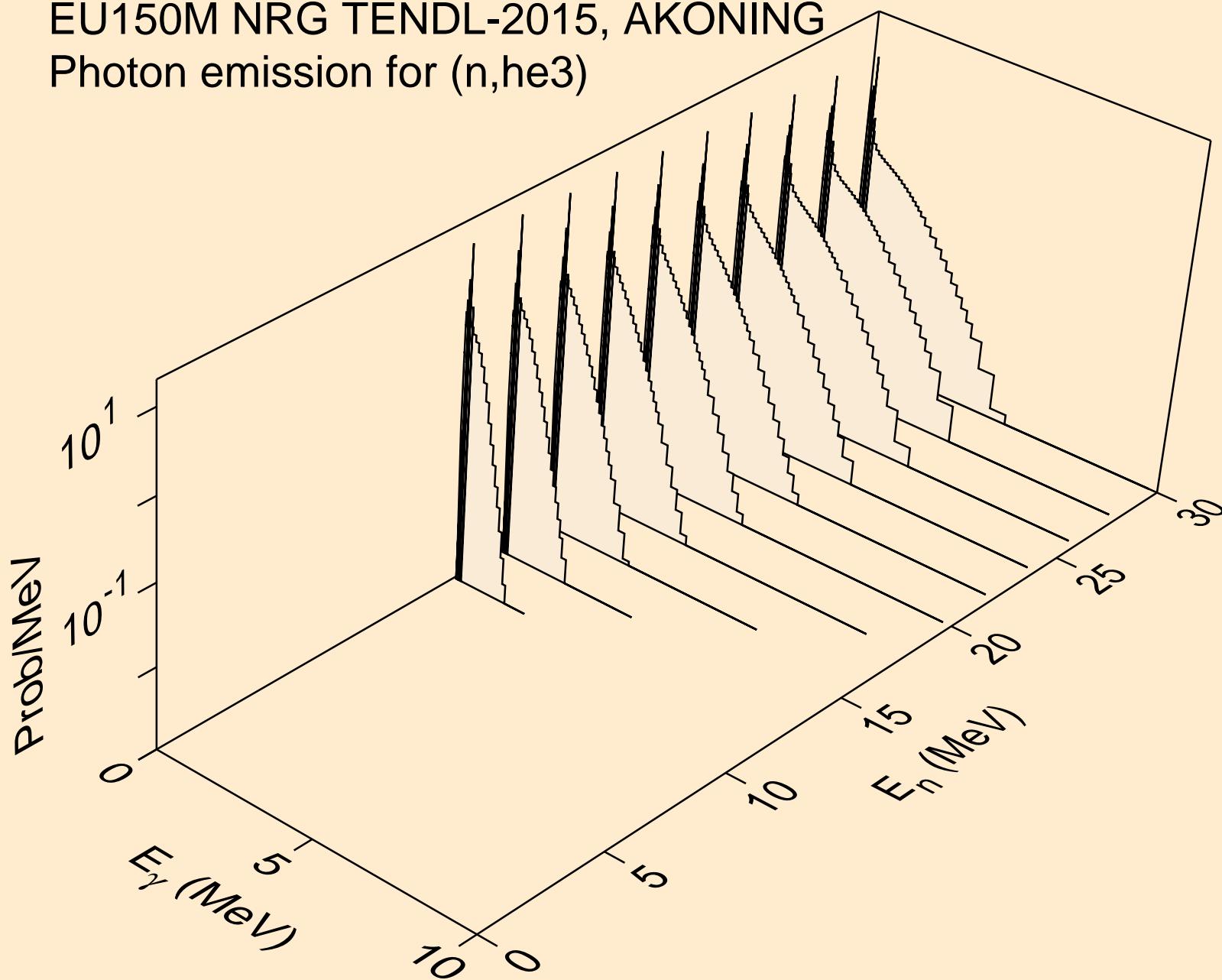
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Photon emission for (n,d)



EU150M NRG TENDL-2015, AKONING  
Photon emission for (n,t)

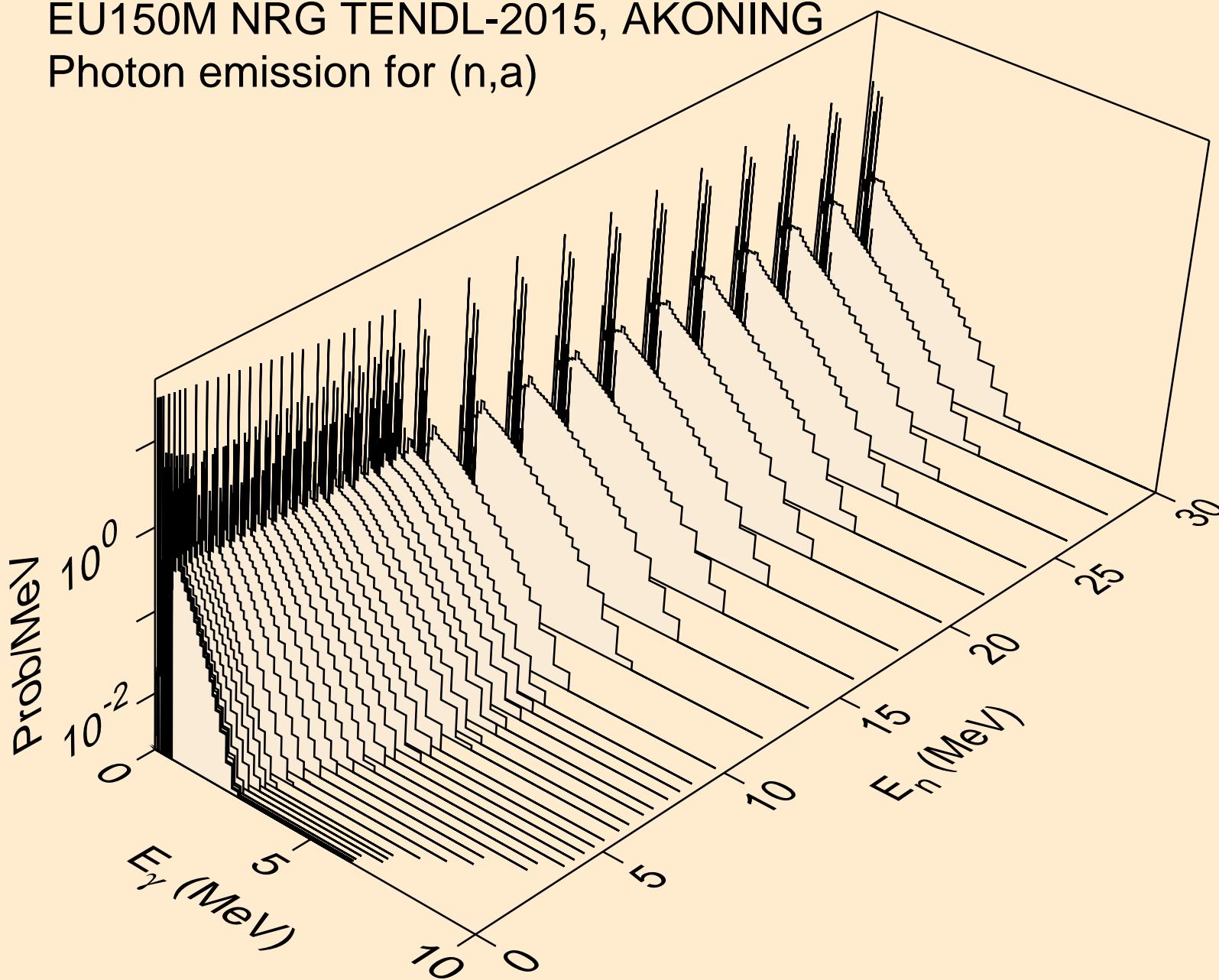


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Photon emission for (n,he3)

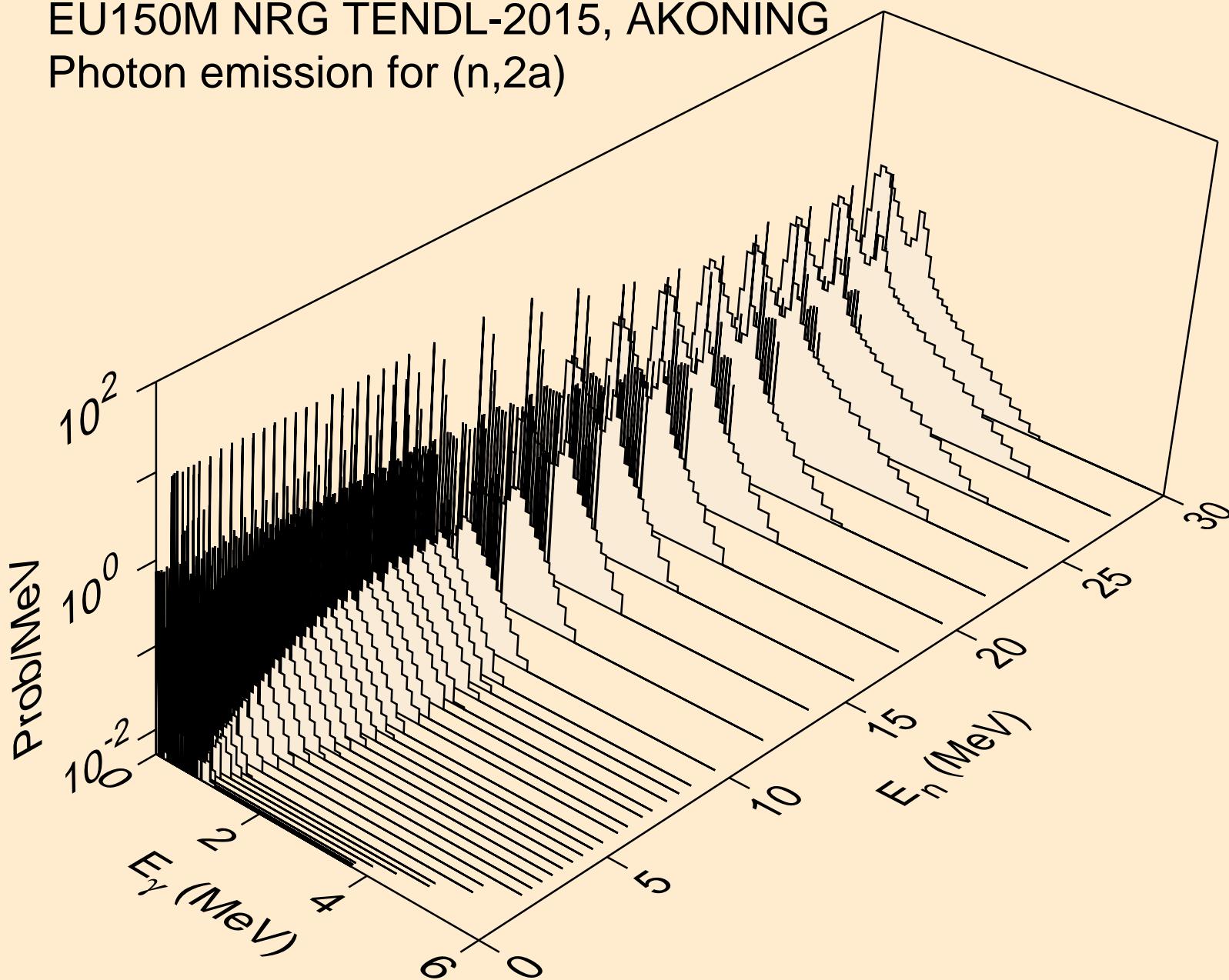


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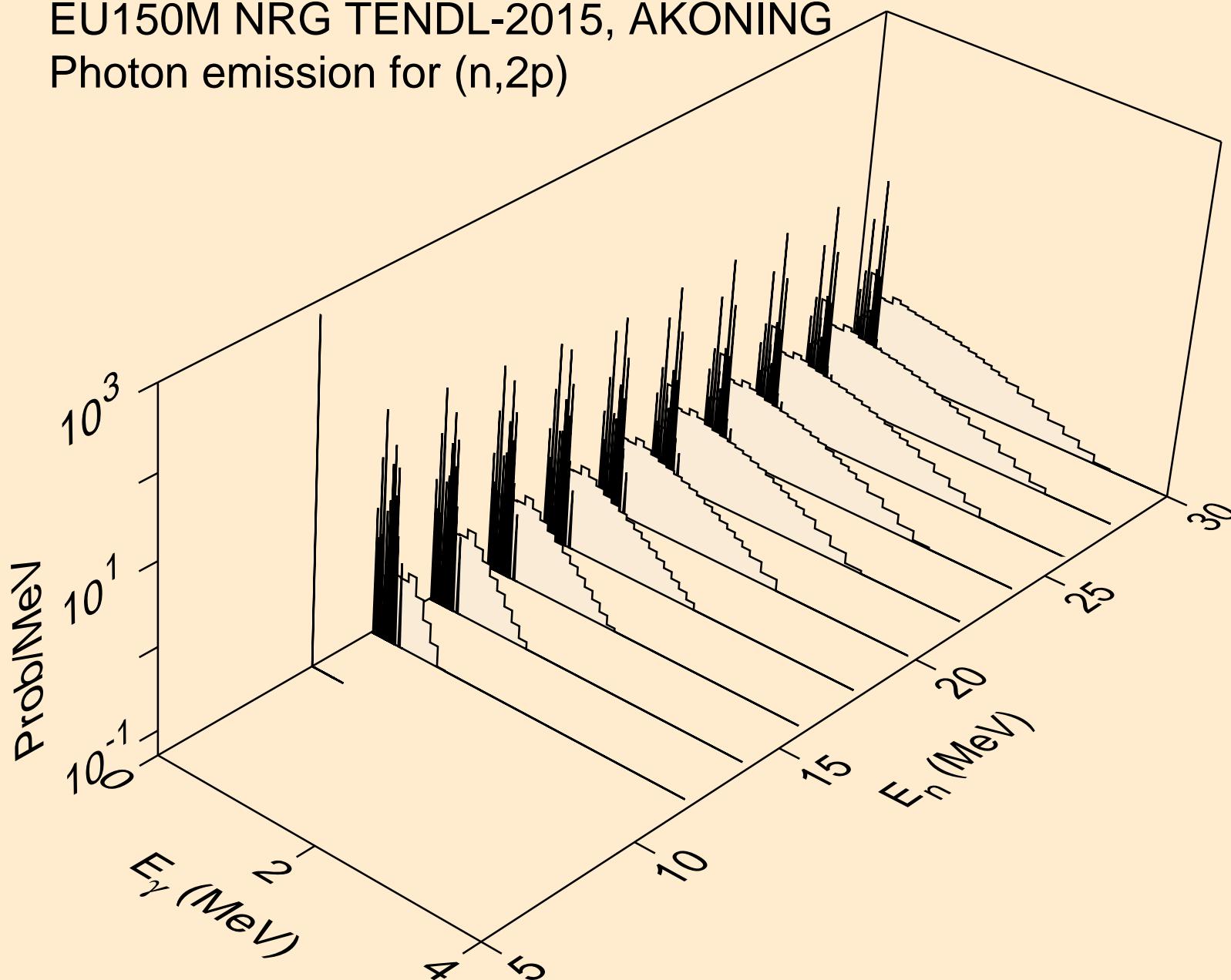
Photon emission for (n,a)



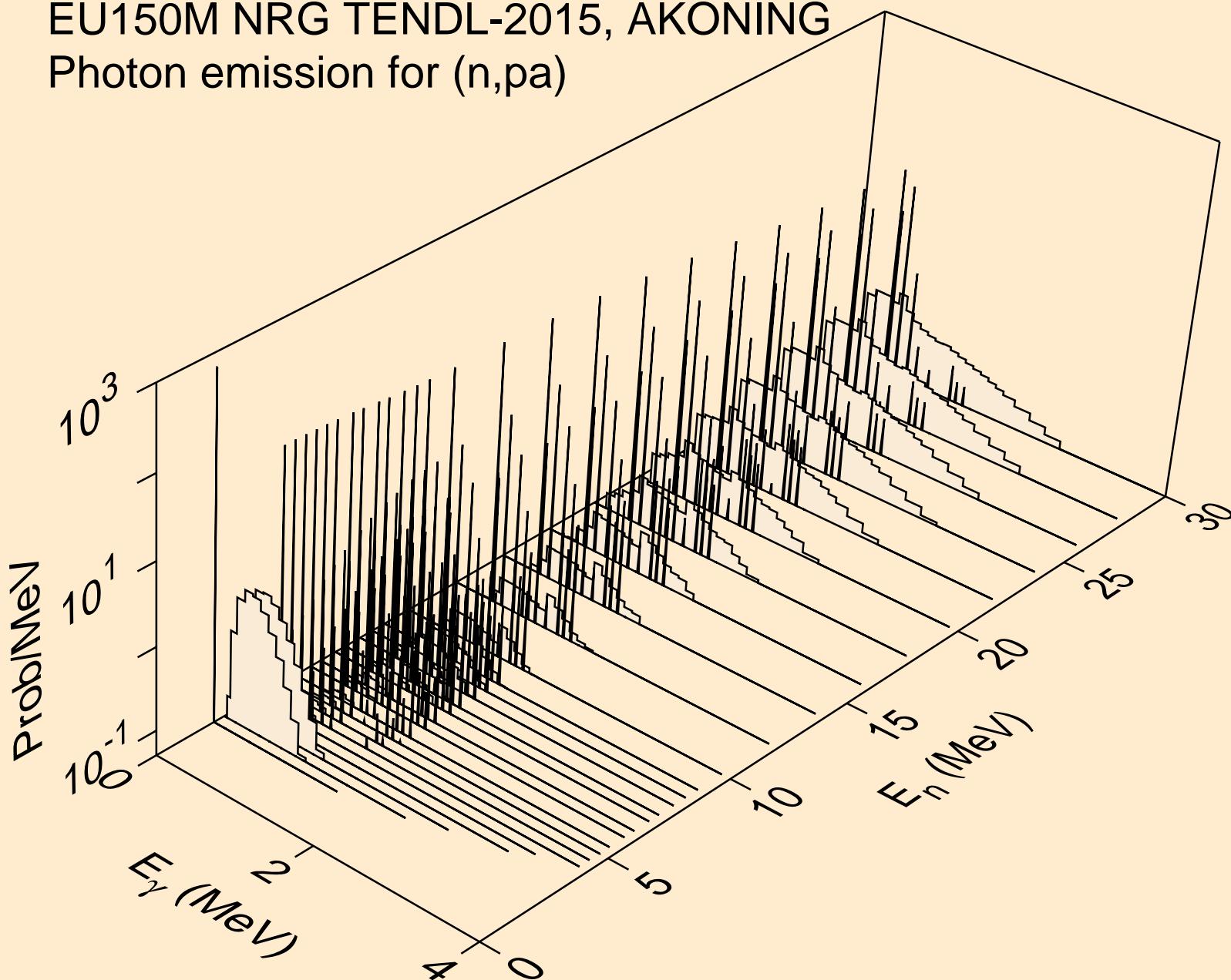
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Photon emission for (n,2a)



EU150M NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

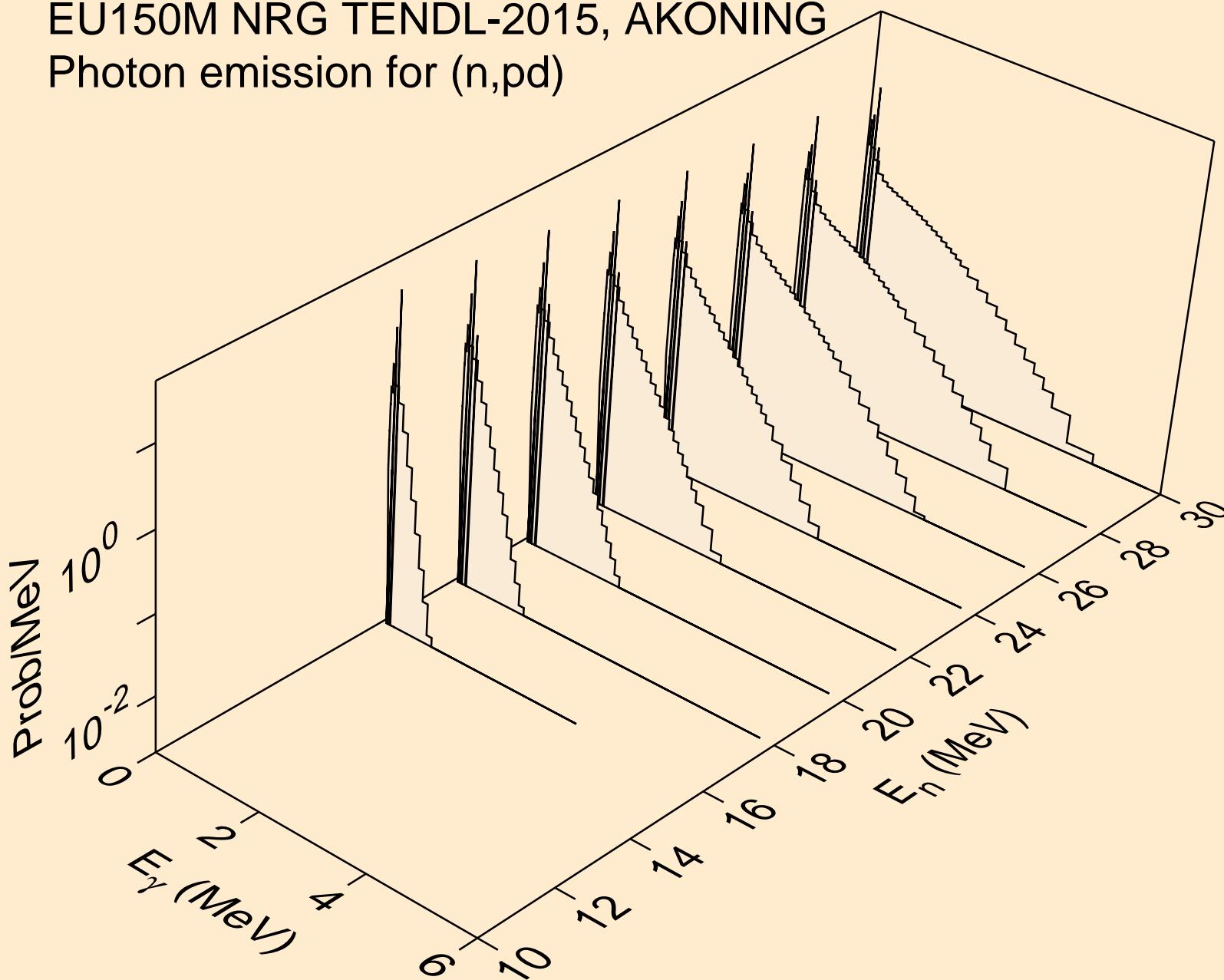


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Photon emission for (n,pa)

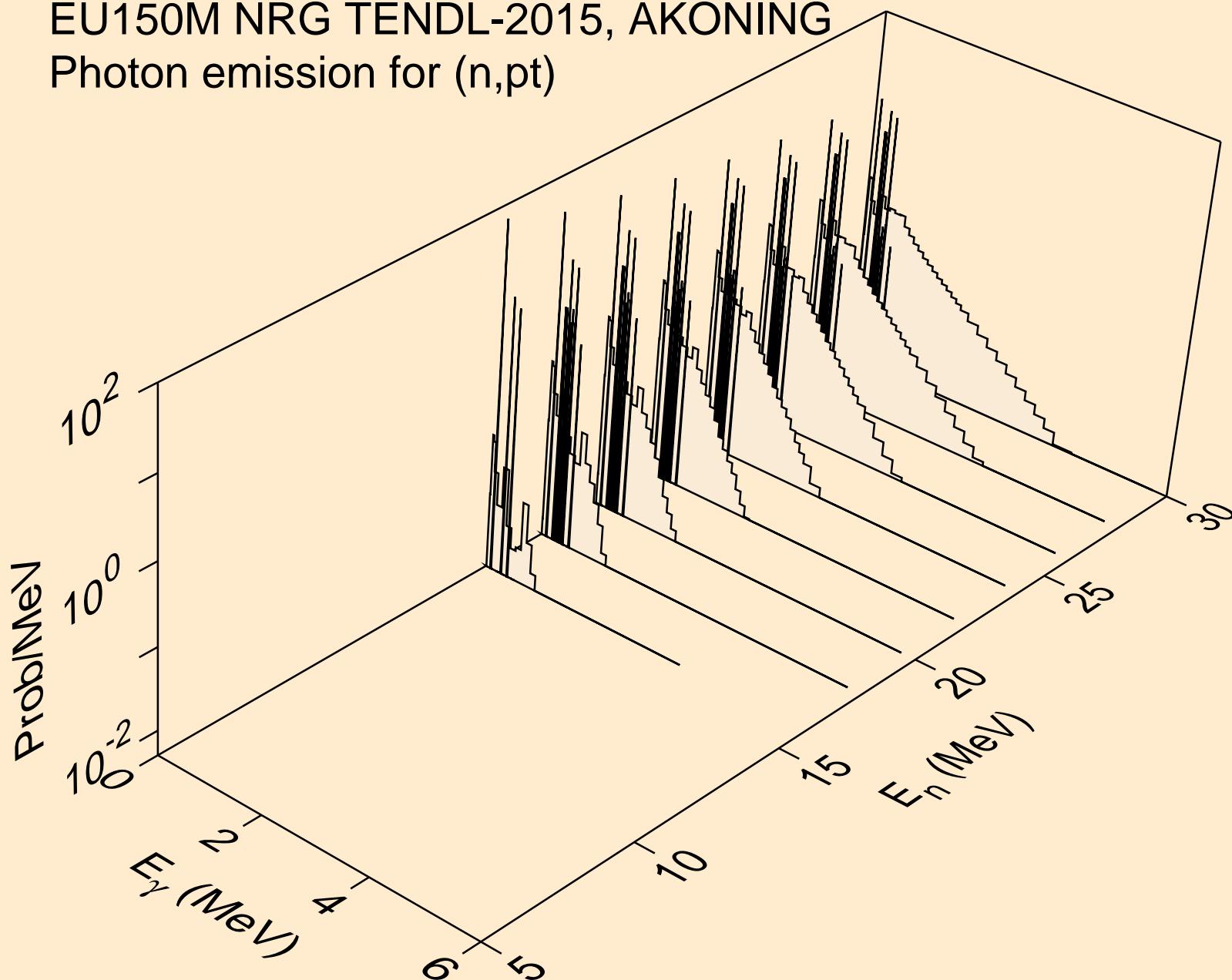


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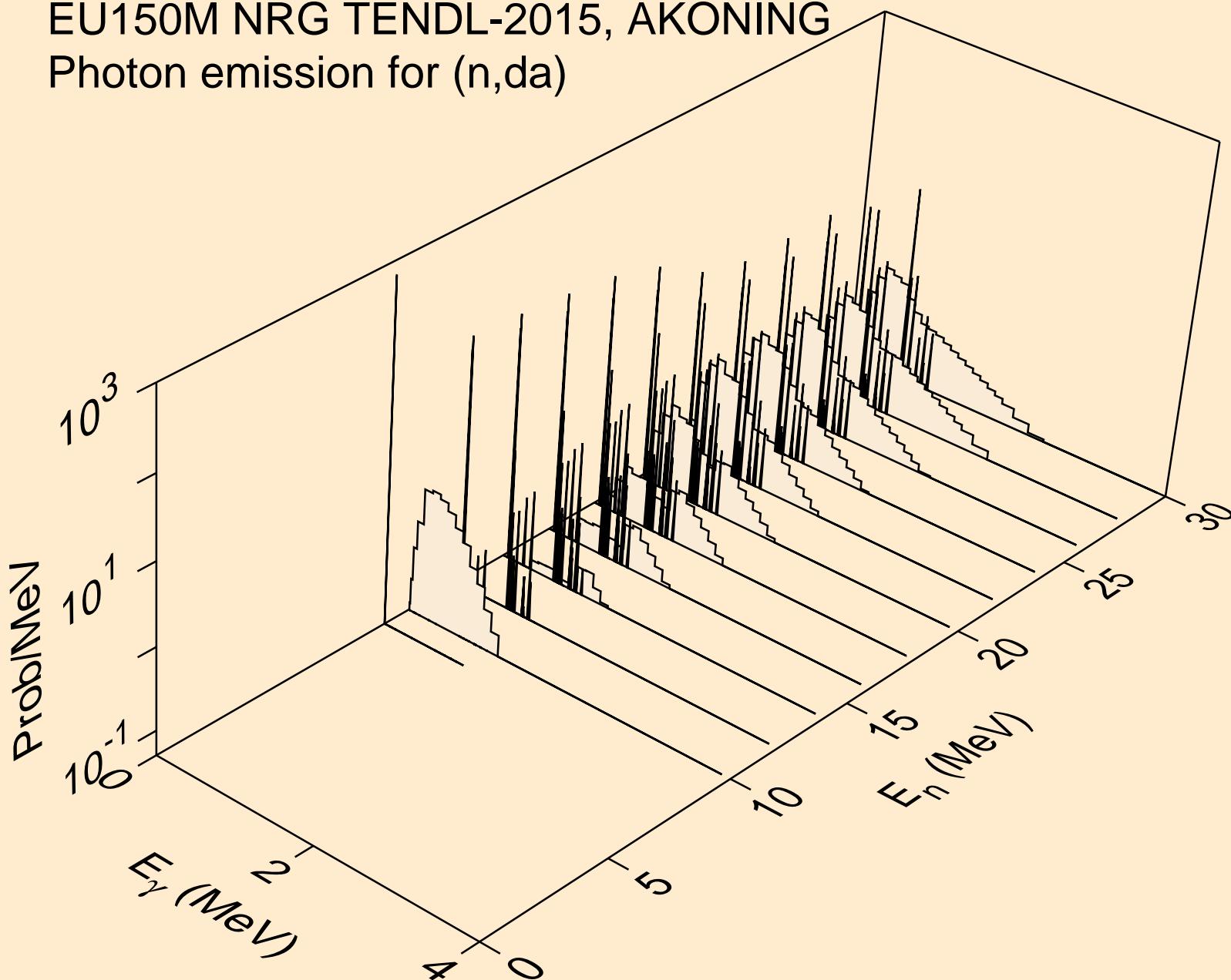
Photon emission for (n,pd)



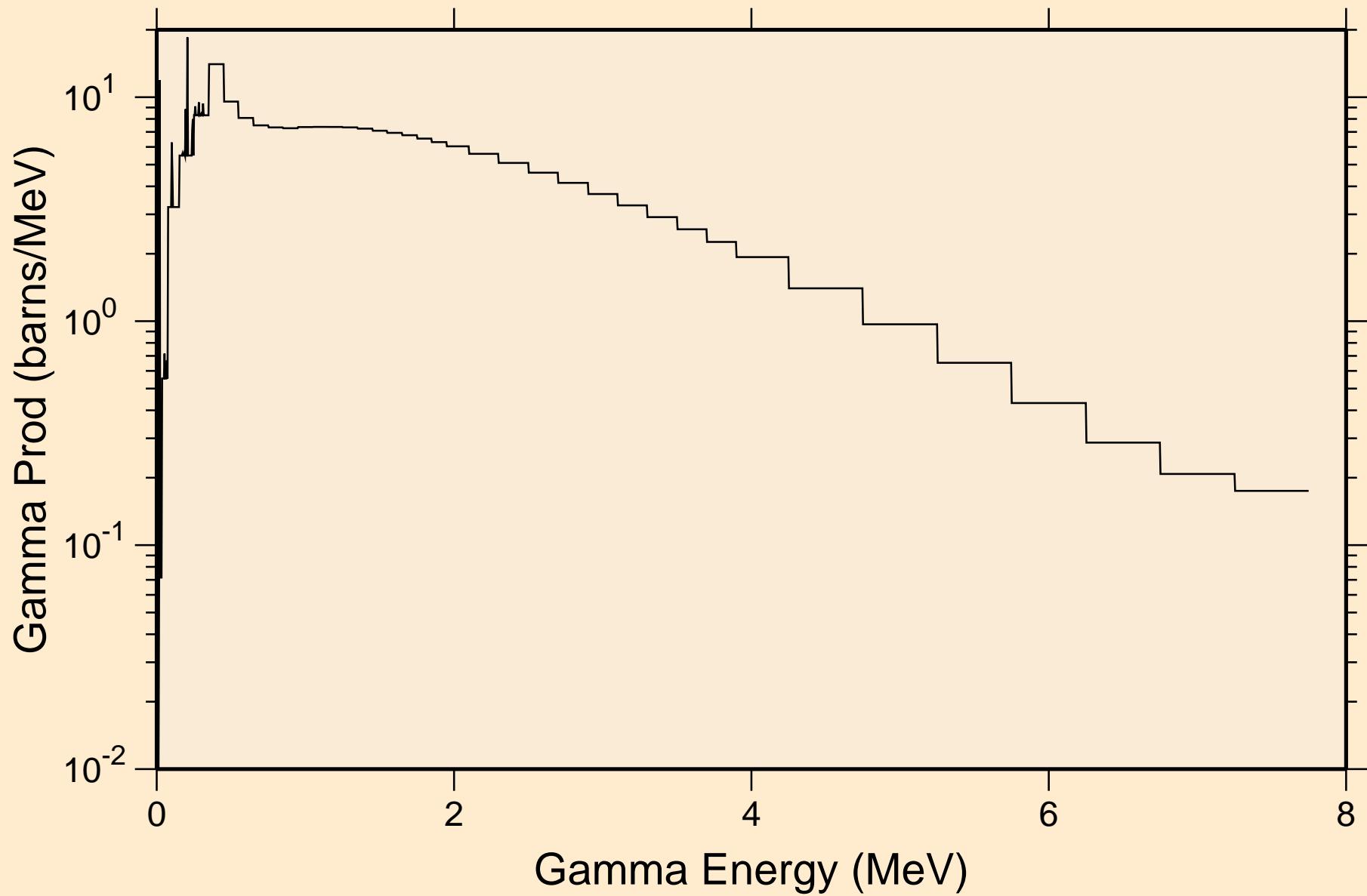
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Photon emission for (n,pt)



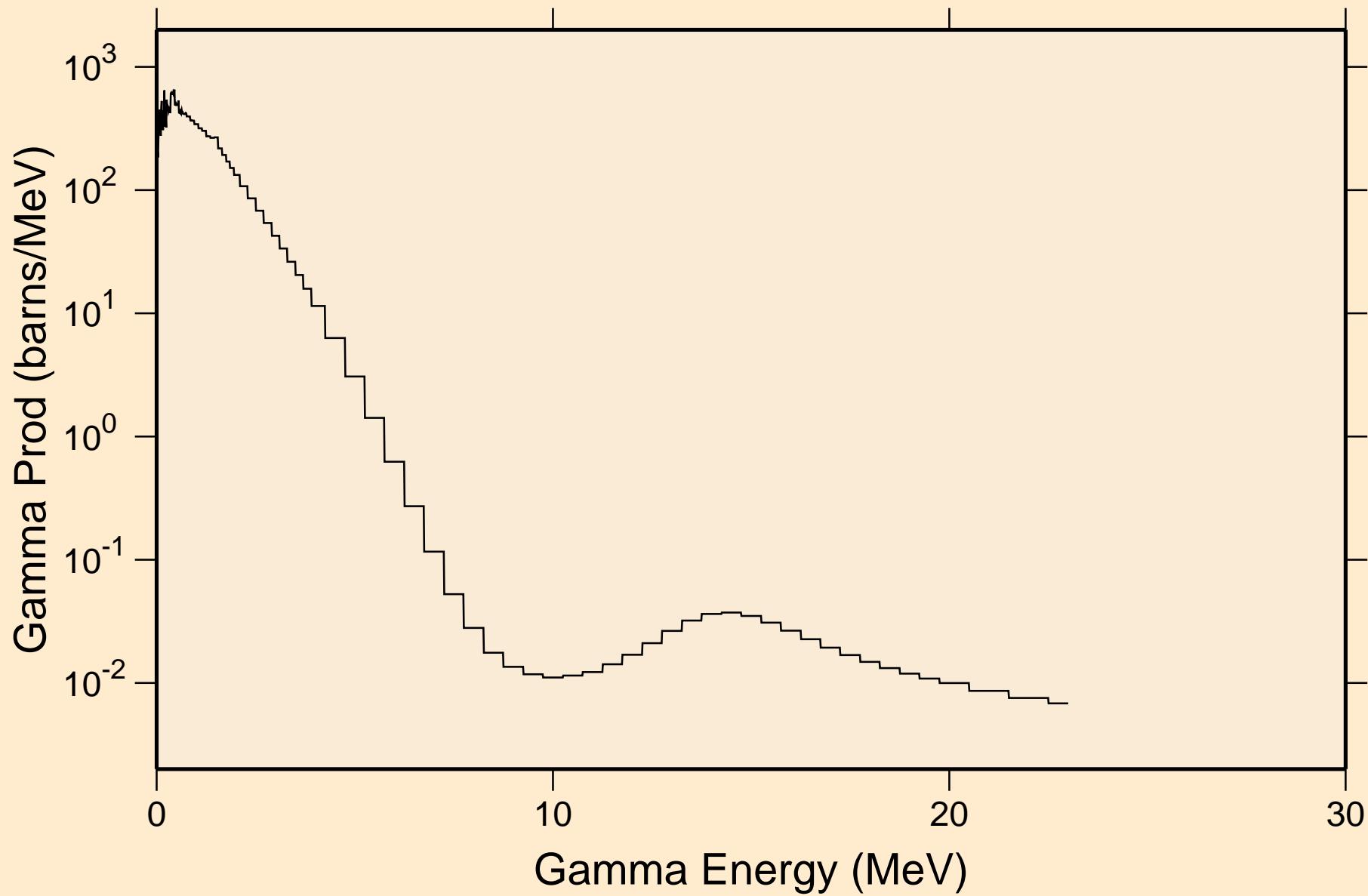
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Photon emission for (n,da)



EU150M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

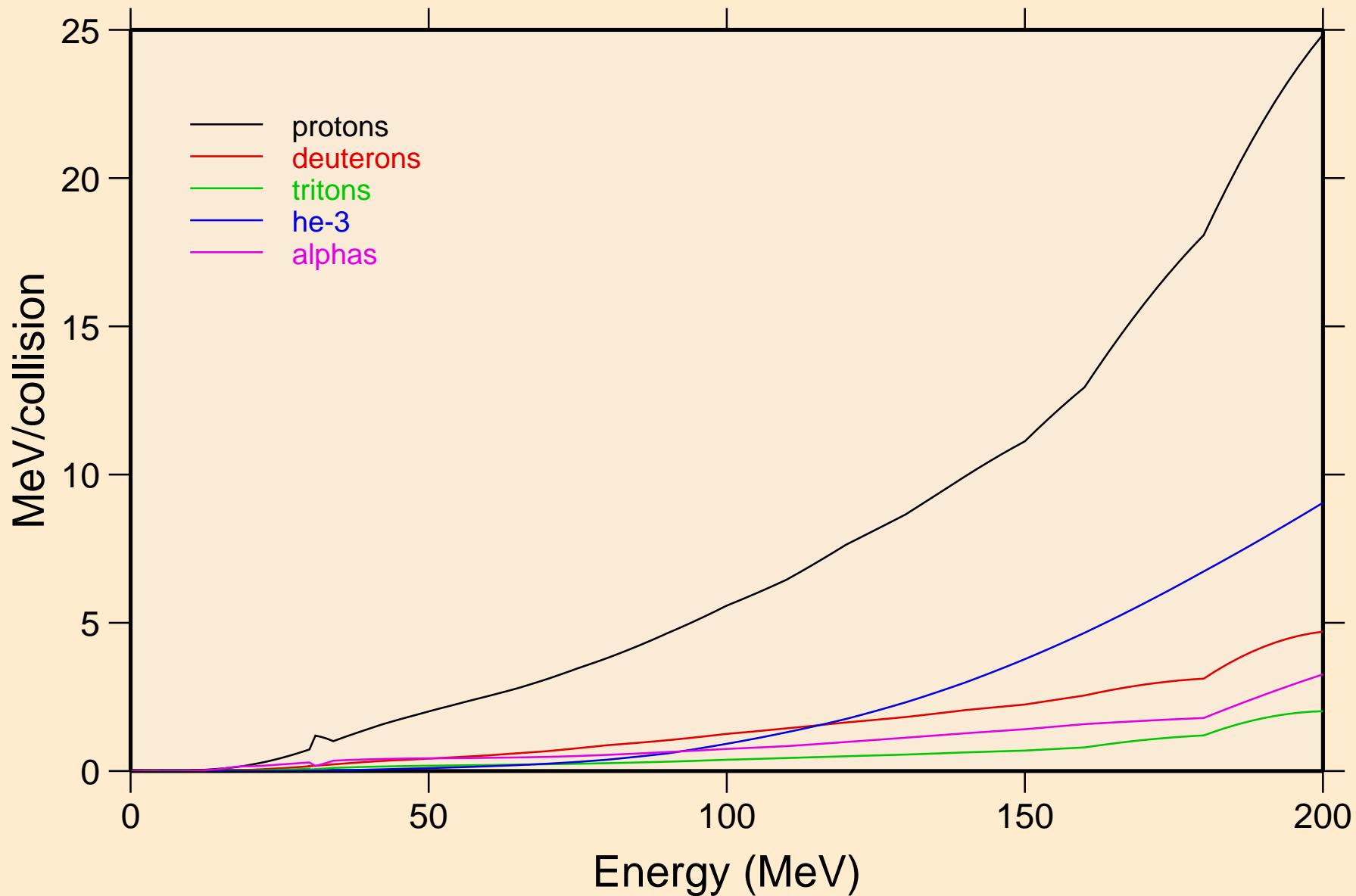


EU150M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



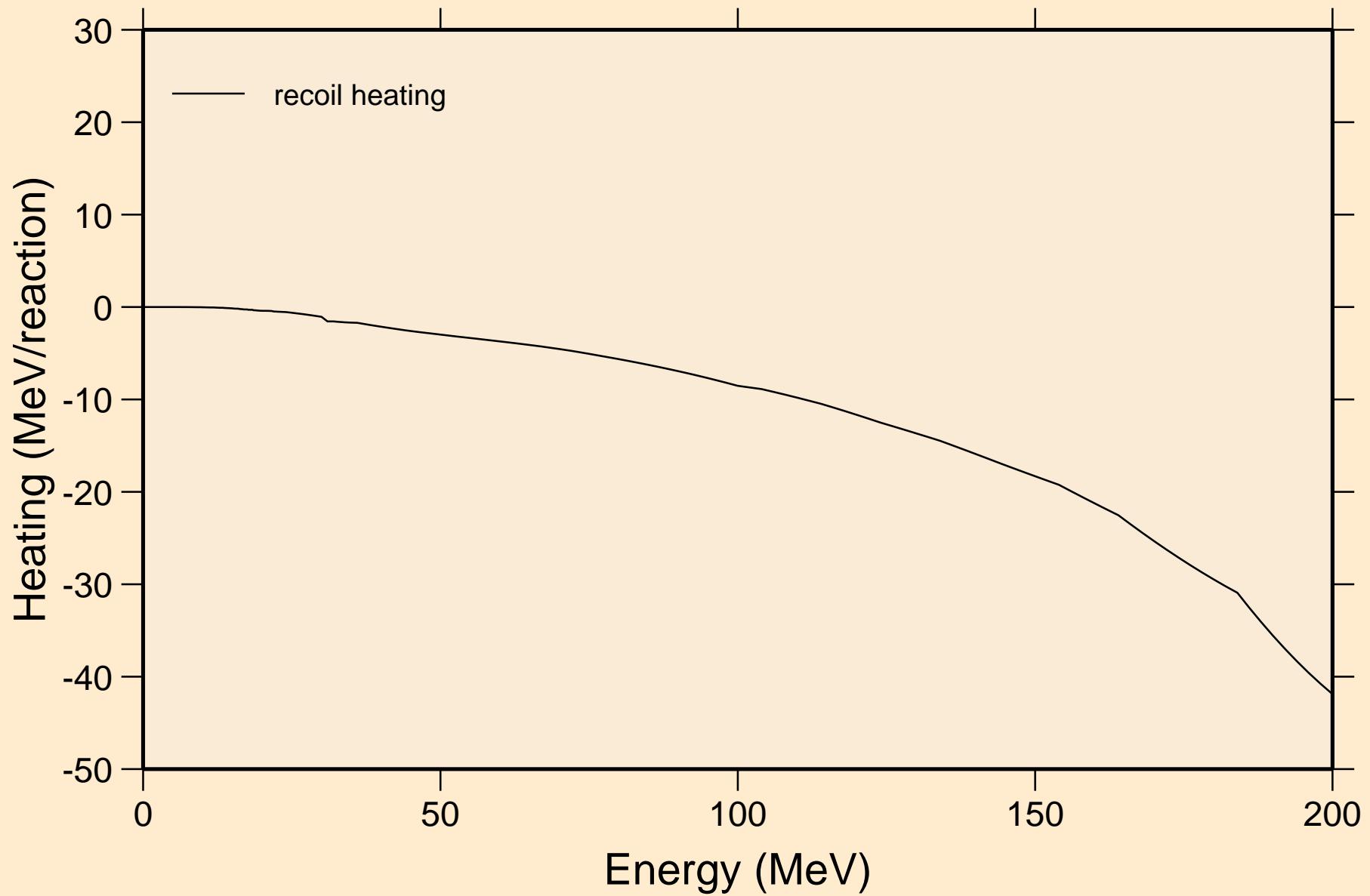
# EU150M NRG TENDL-2015, AKONING

## Particle heating contributions



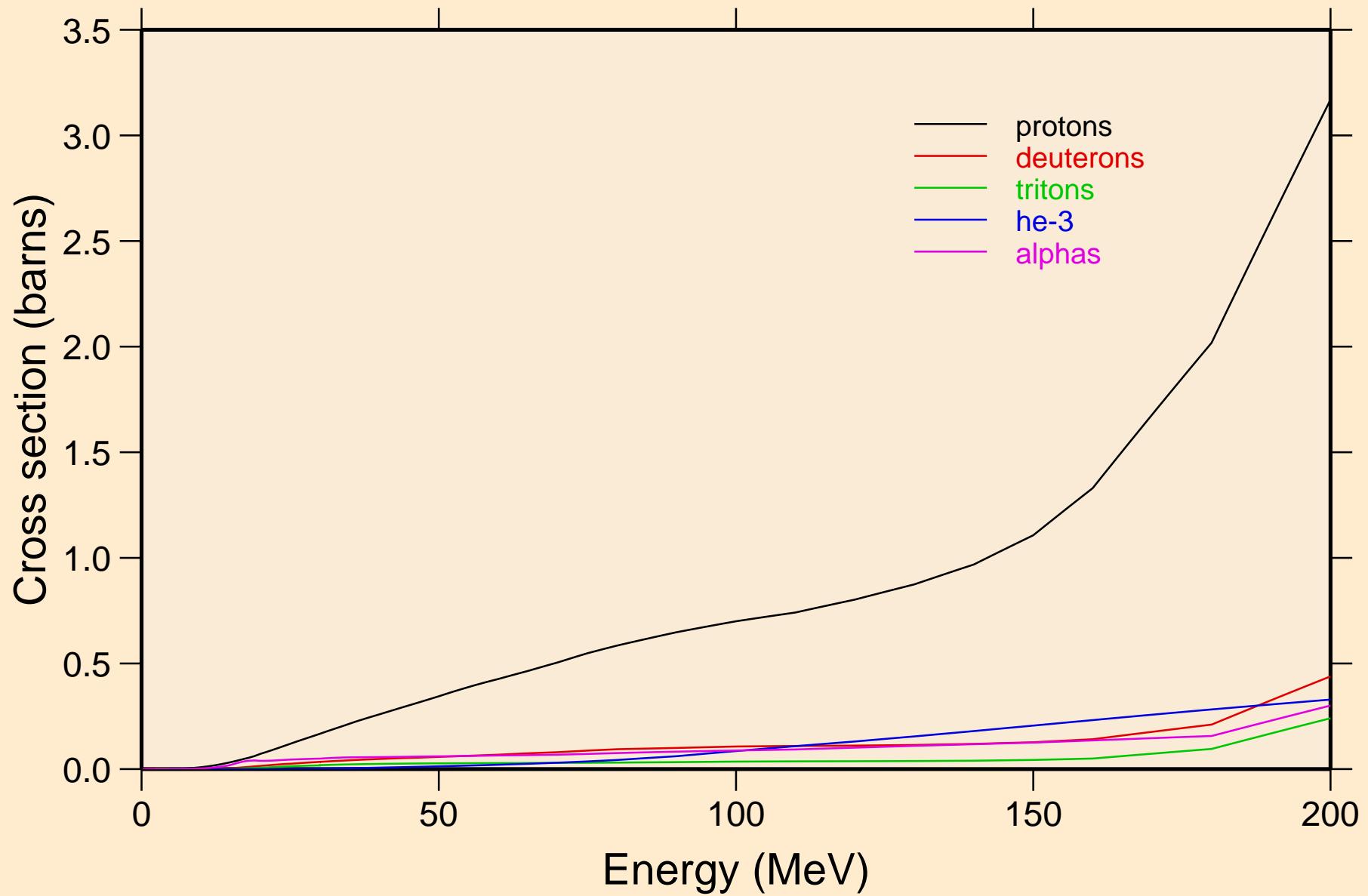
# EU150M NRG TENDL-2015, AKONING

## Recoil Heating

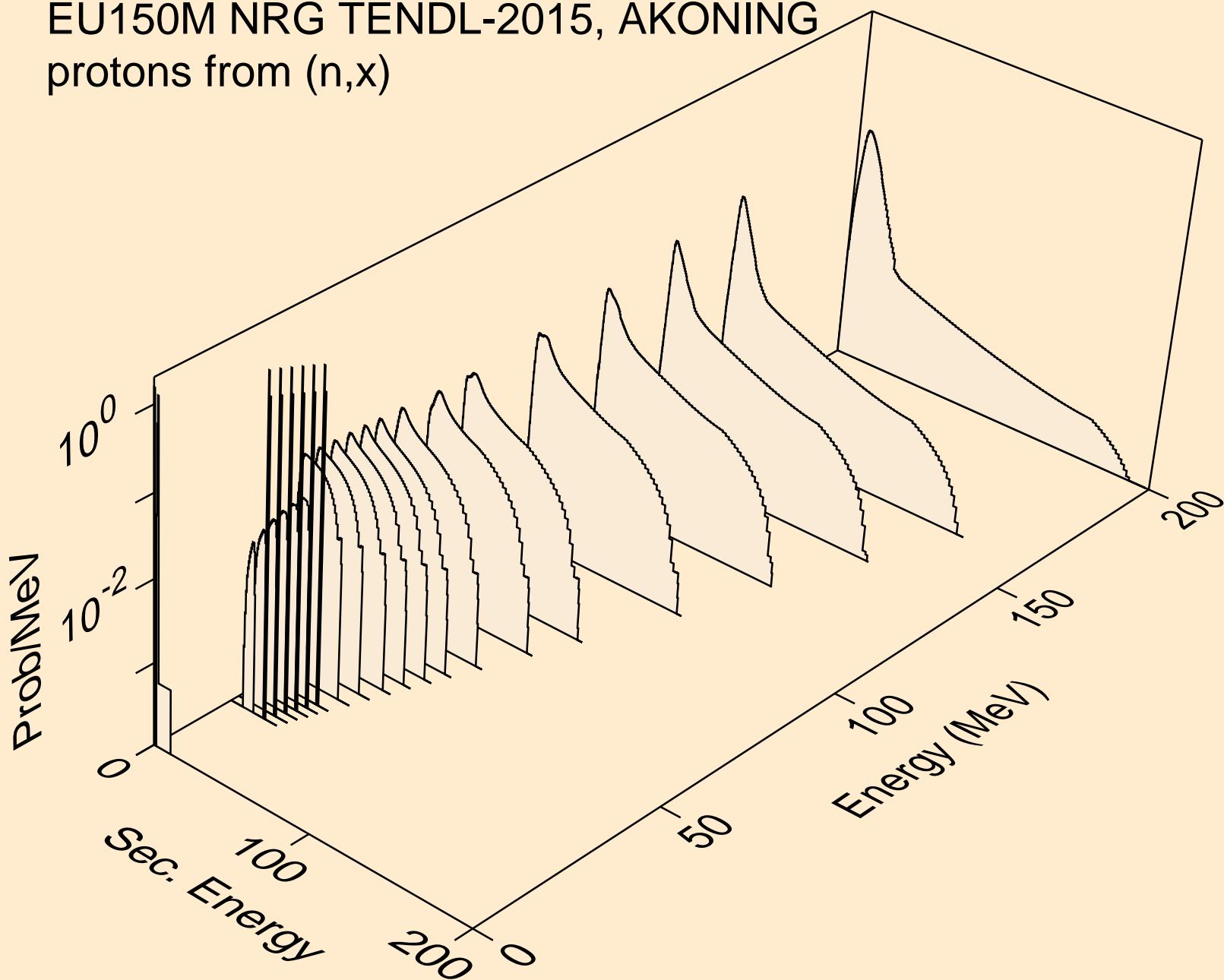


# EU150M NRG TENDL-2015, AKONING

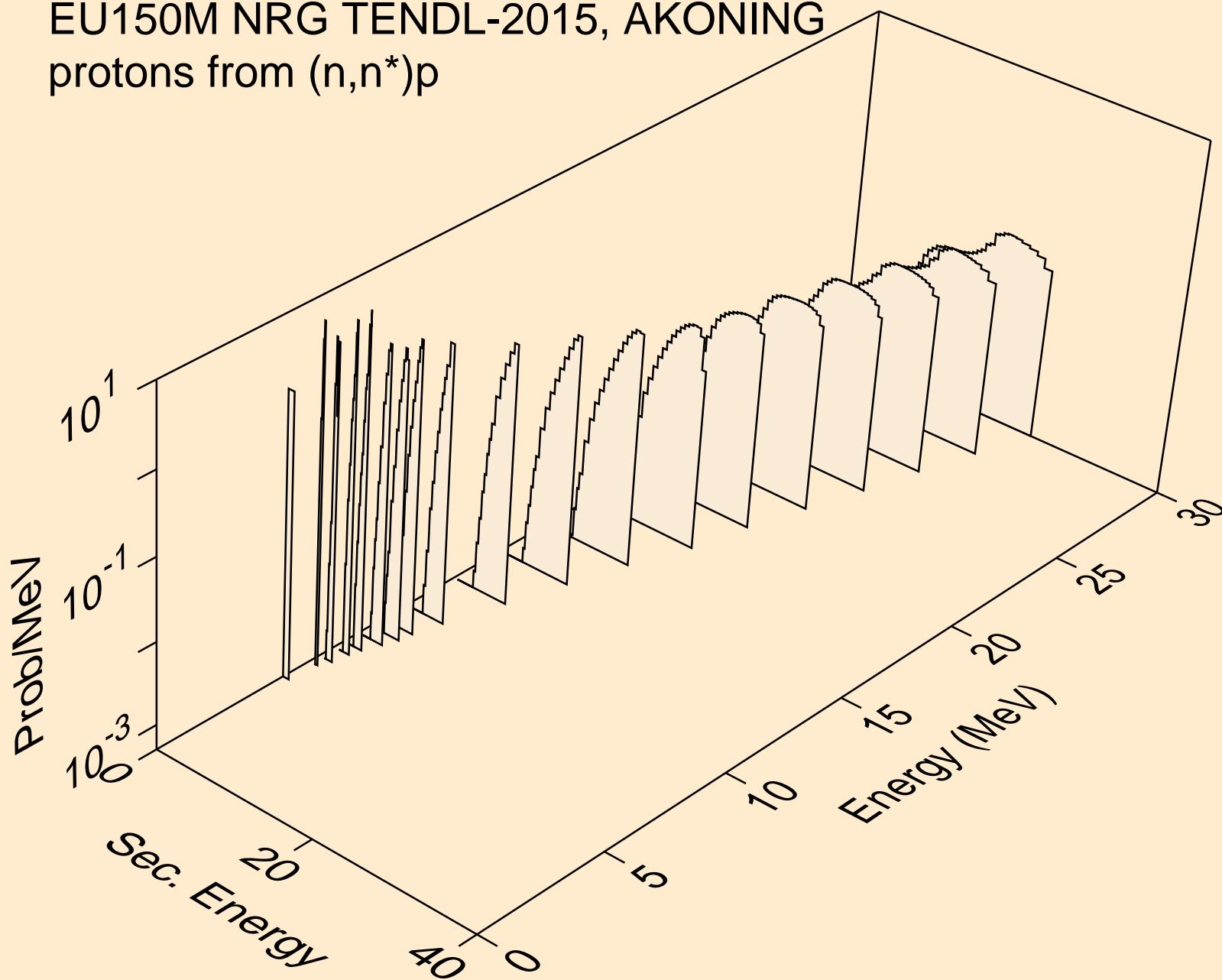
## Particle production cross sections



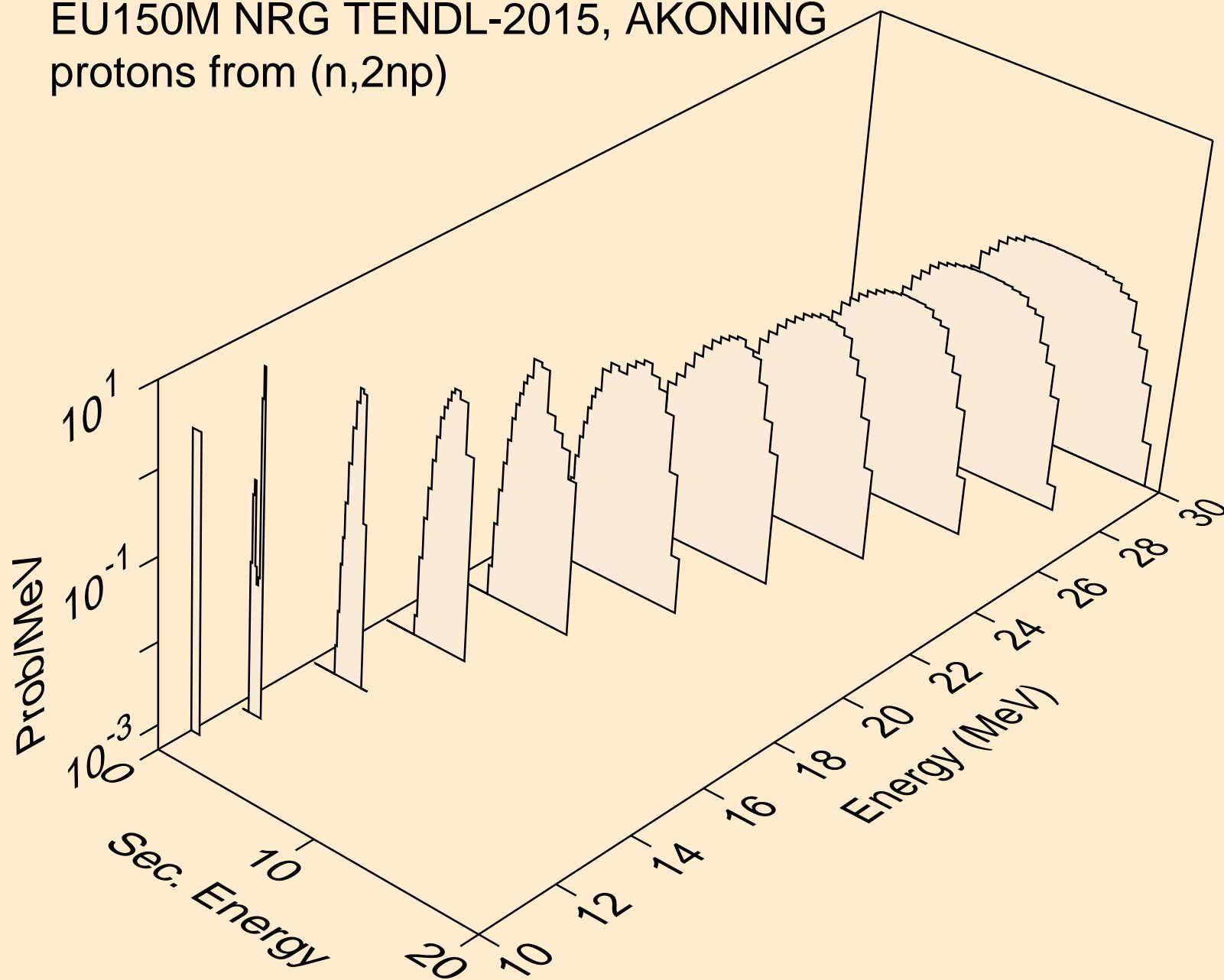
EU150M NRG TENDL-2015, AKONING  
protons from (n,x)



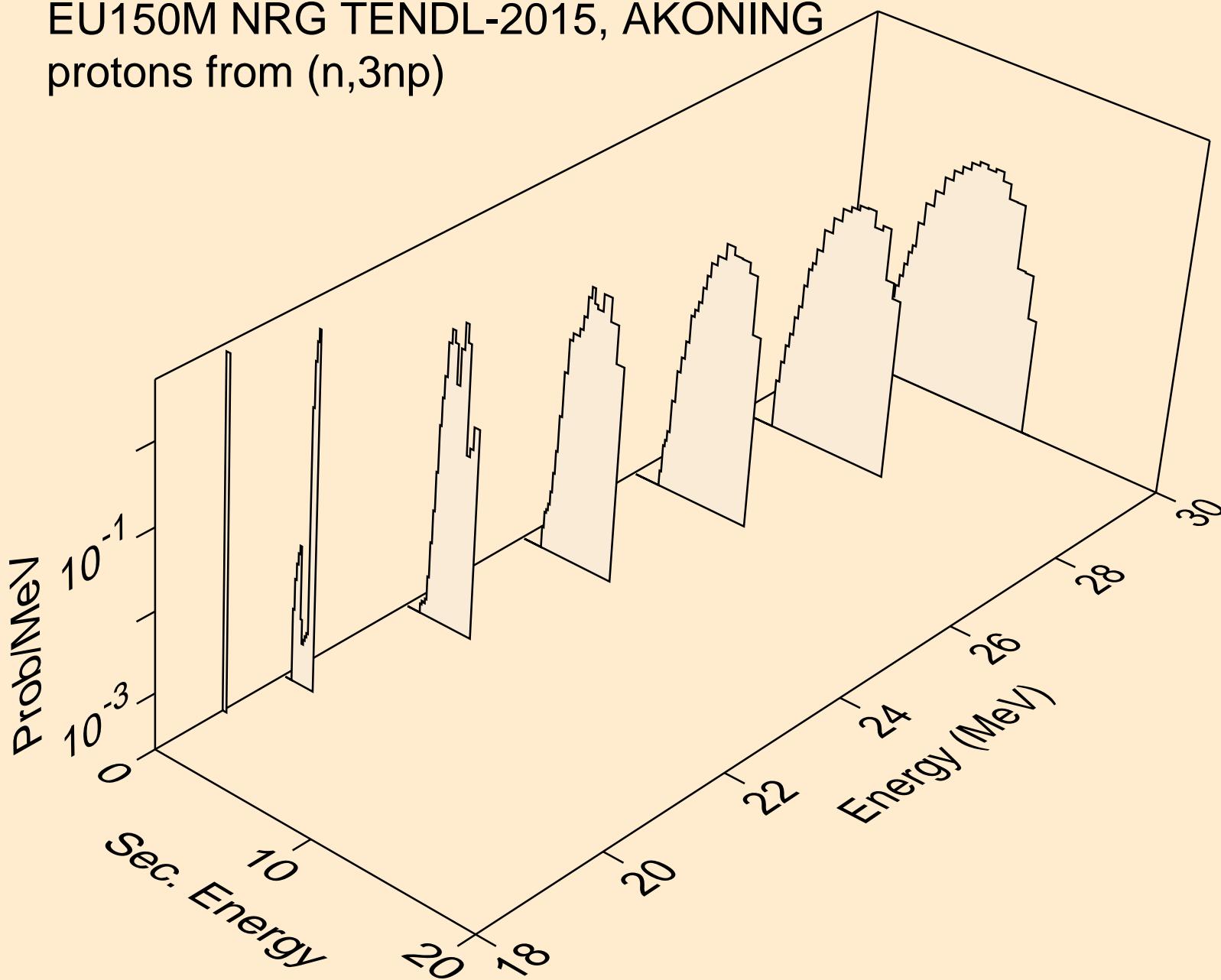
EU150M NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



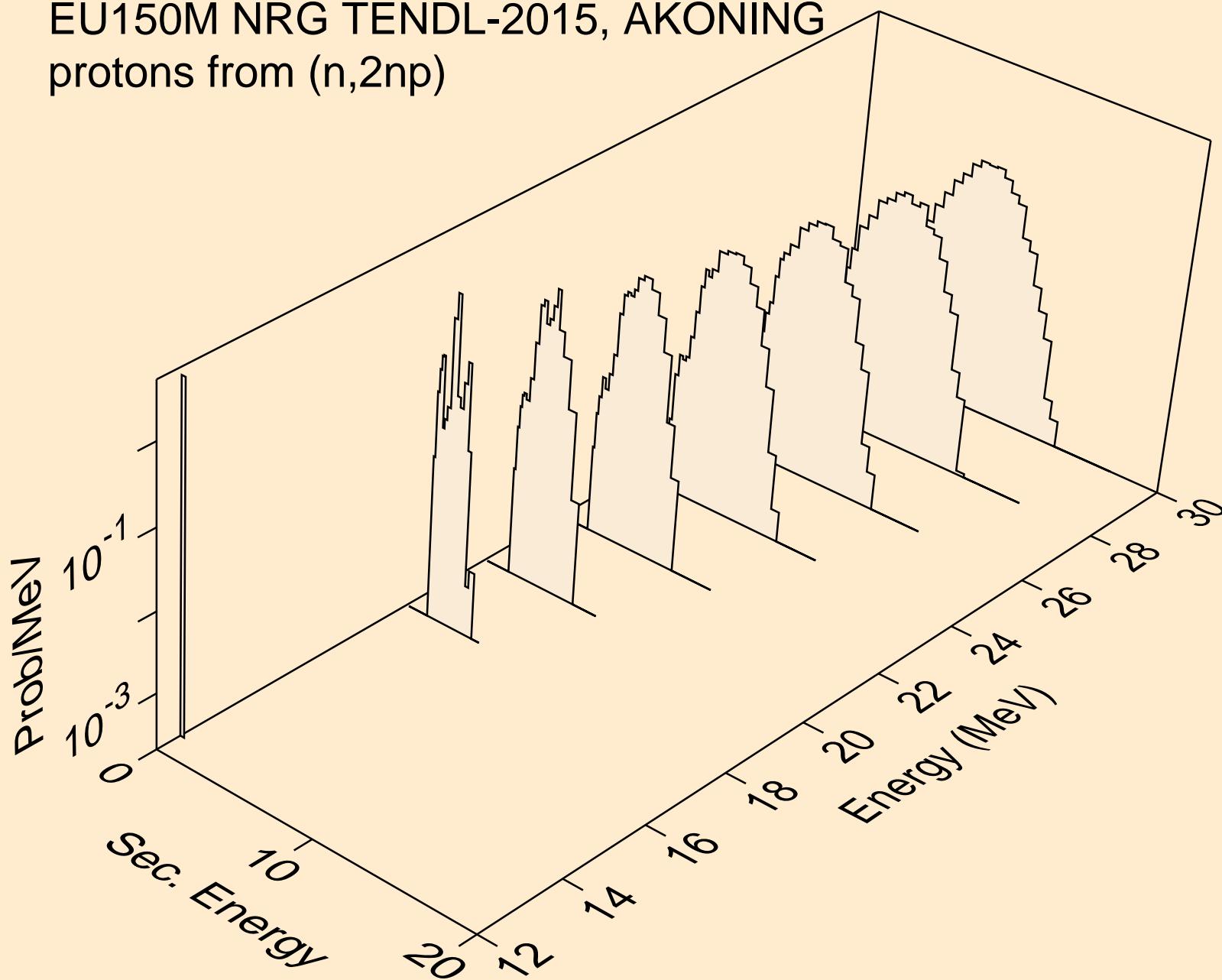
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protons from ( $n,2np$ )



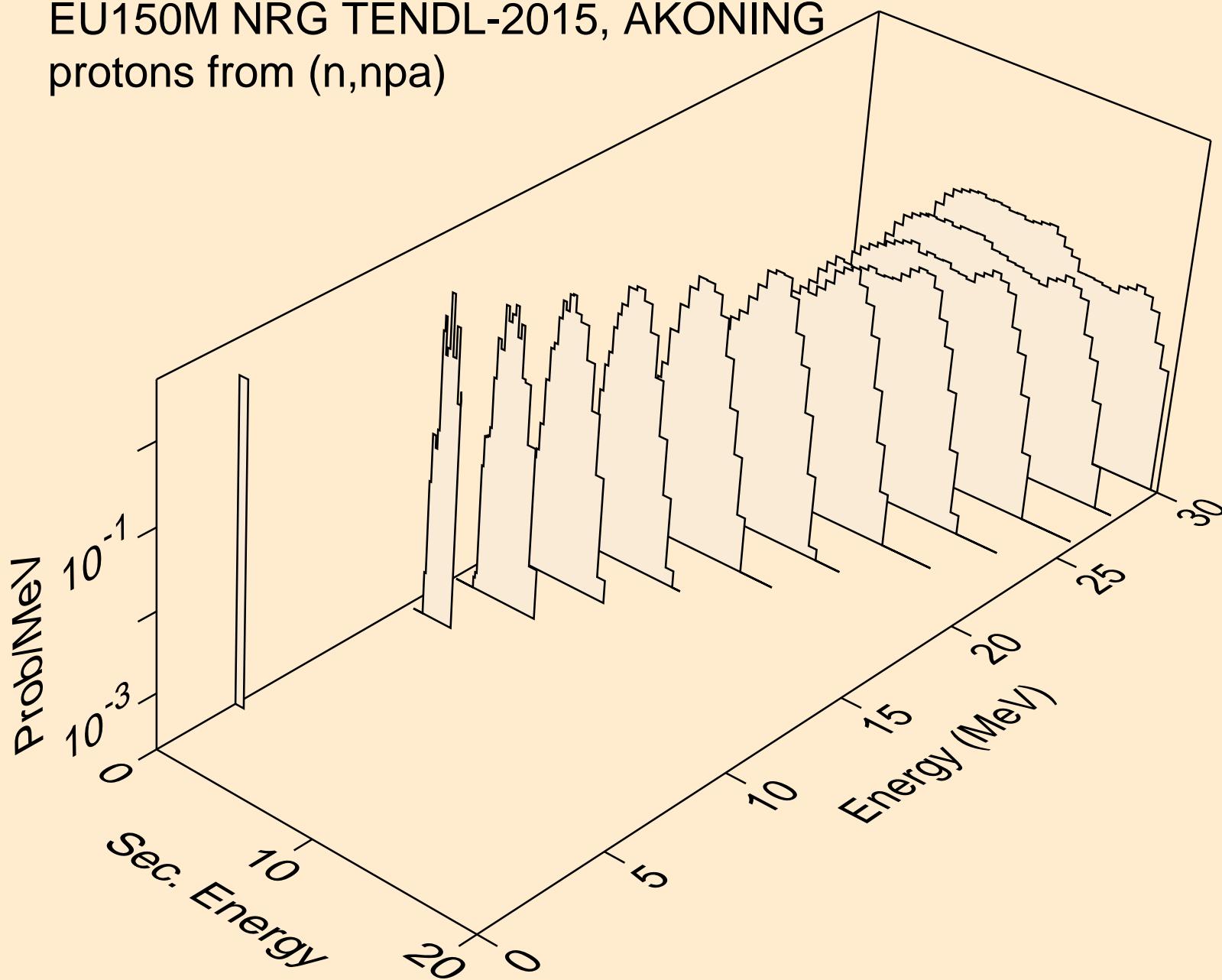
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protons from ( $n,3np$ )



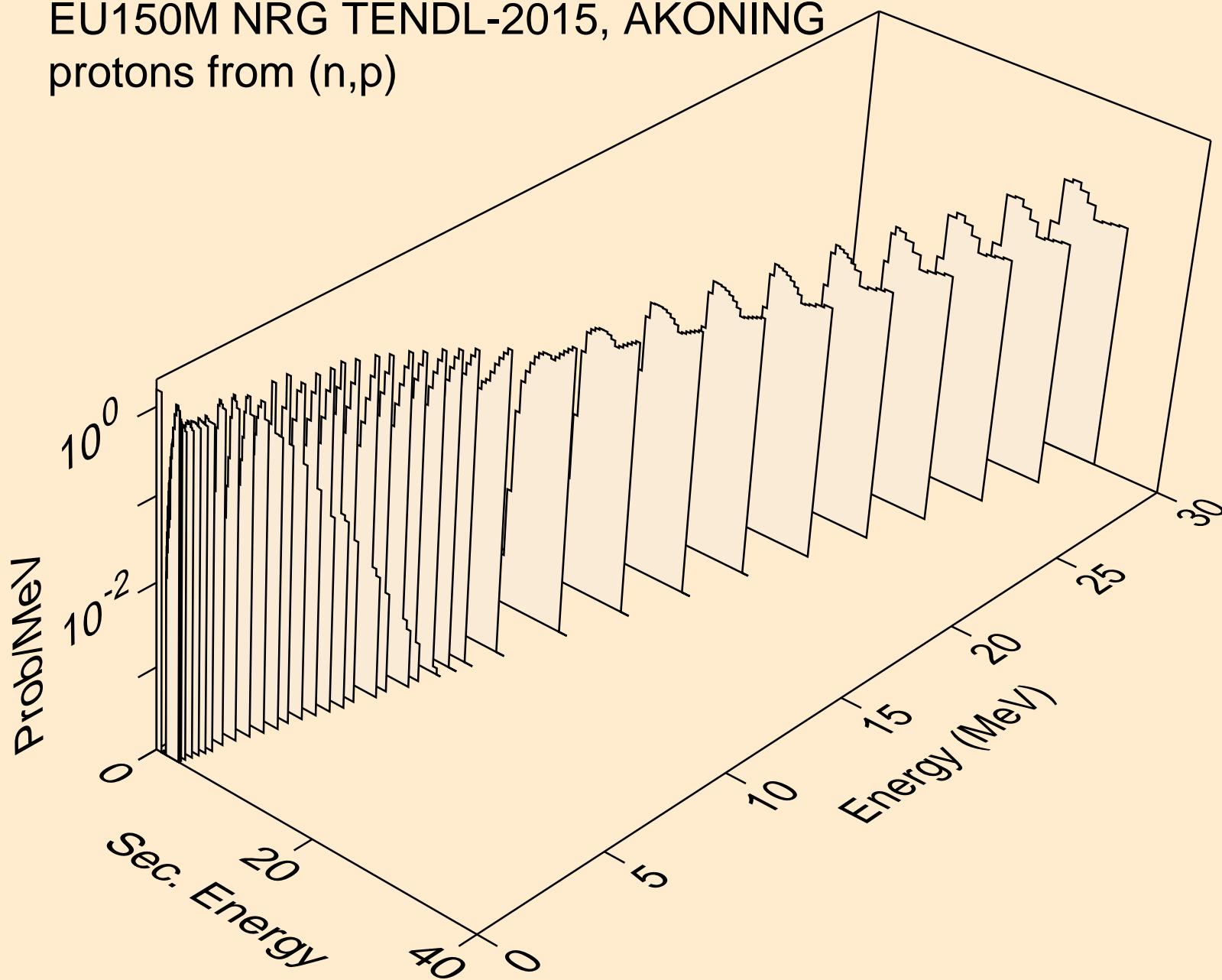
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protons from ( $n,2np$ )



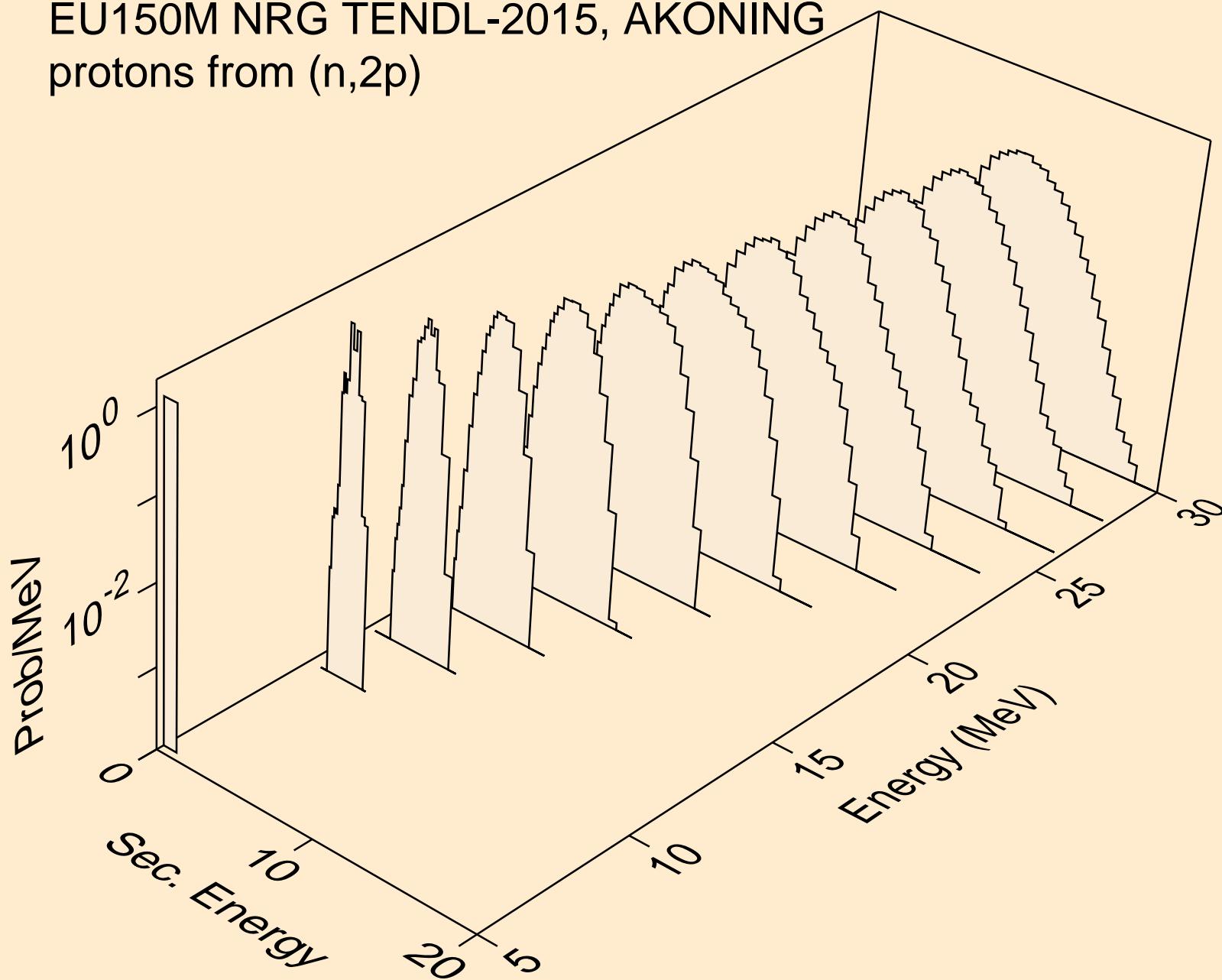
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protons from (n,npa)



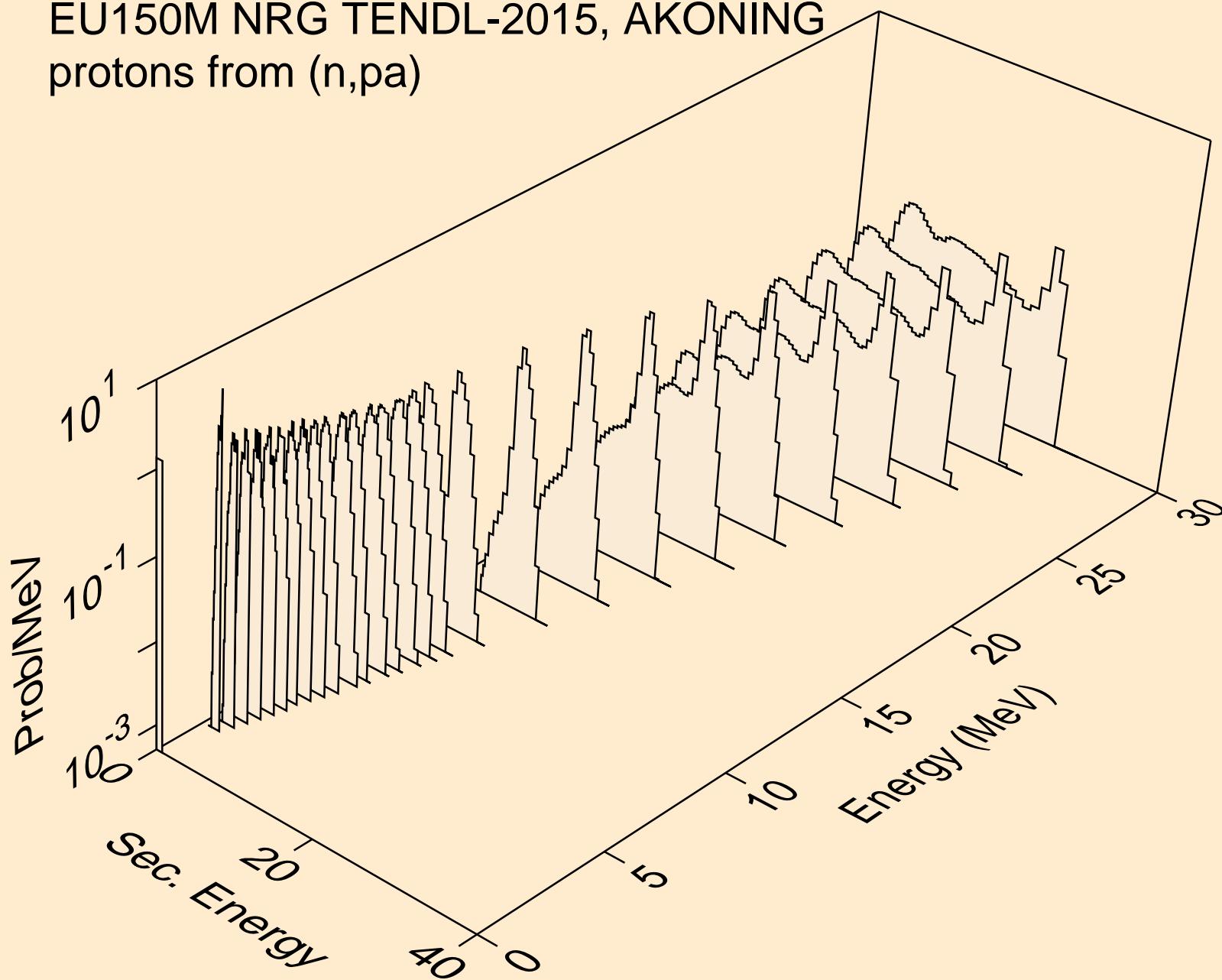
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protons from (n,p)



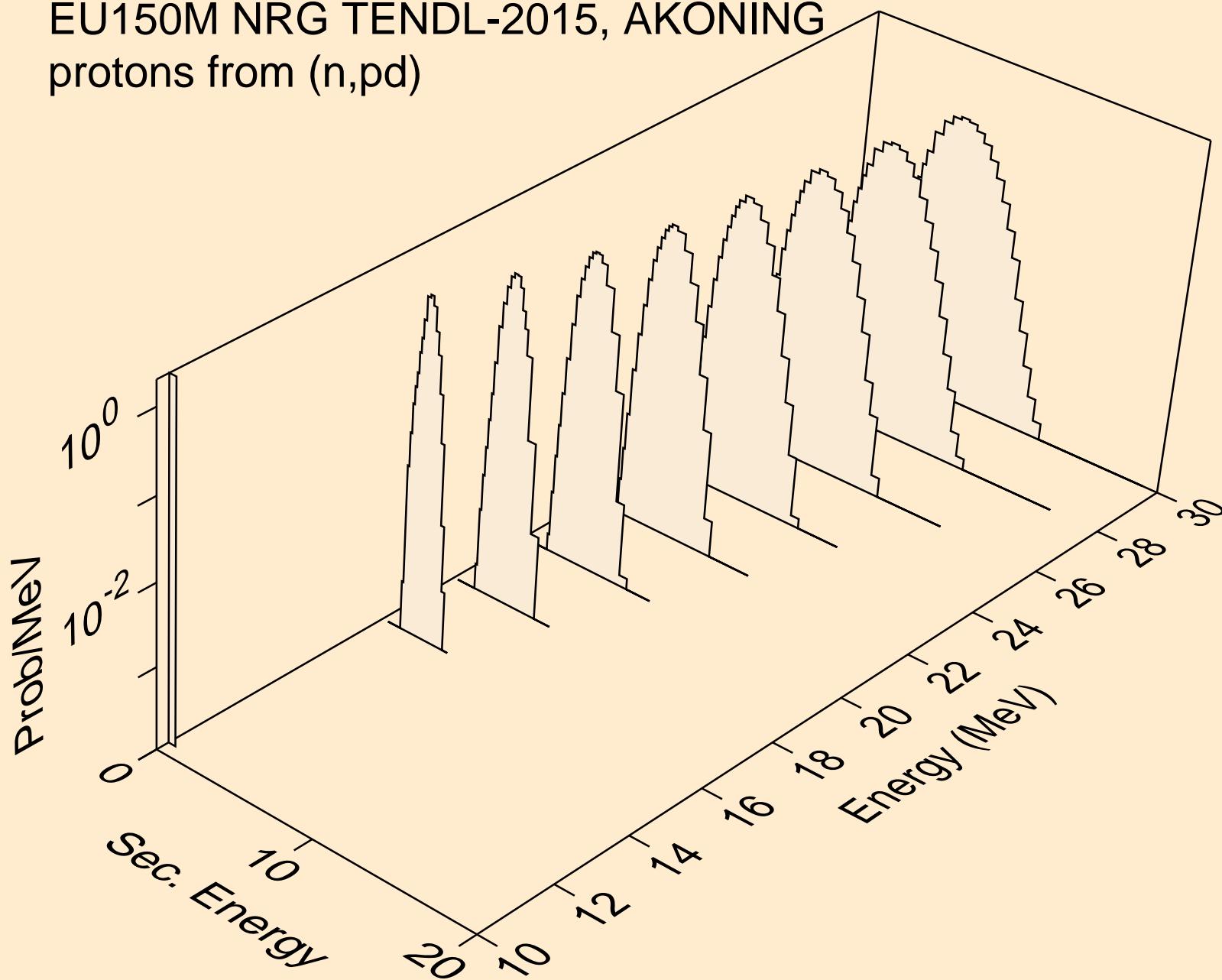
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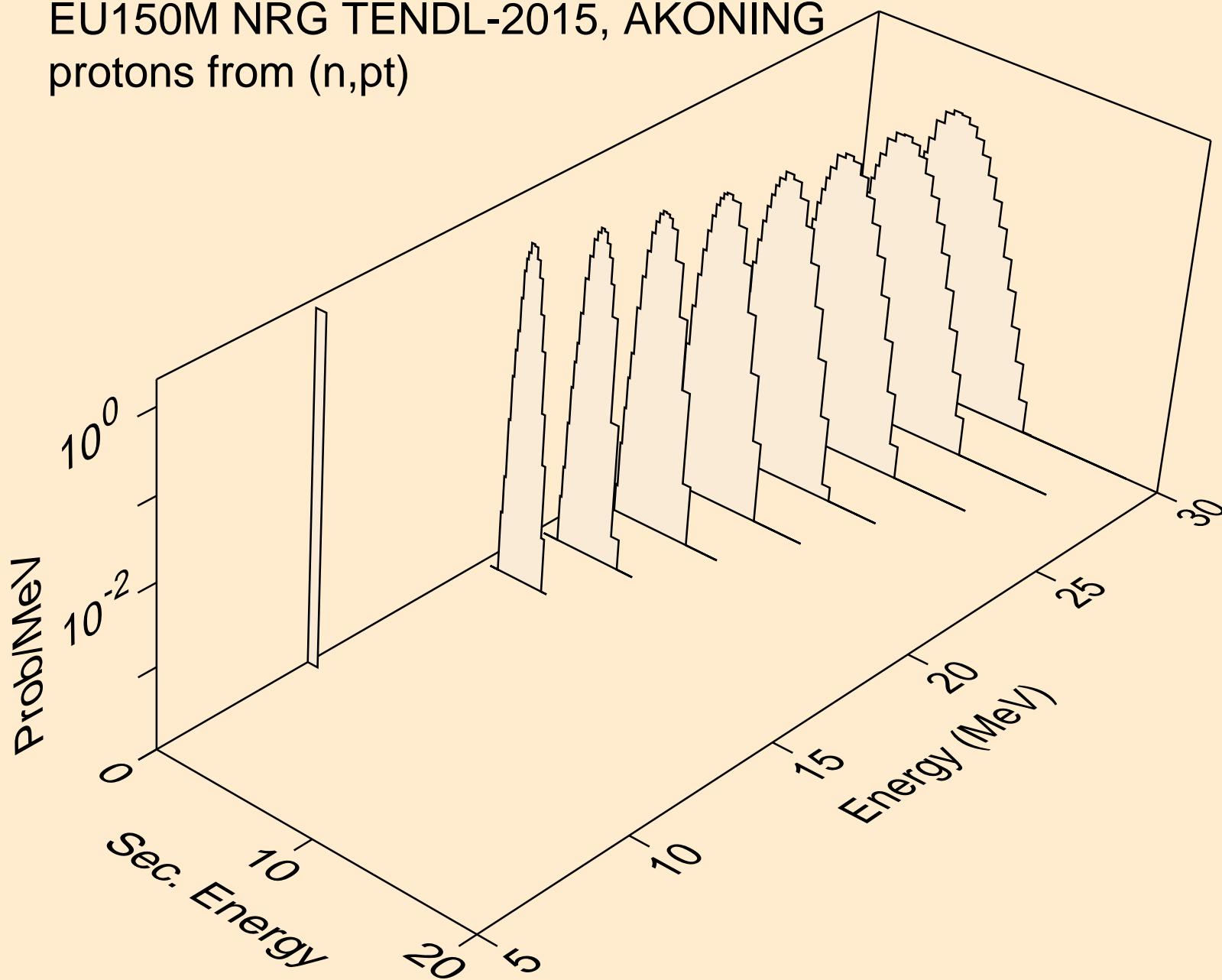
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protons from (n,pa)



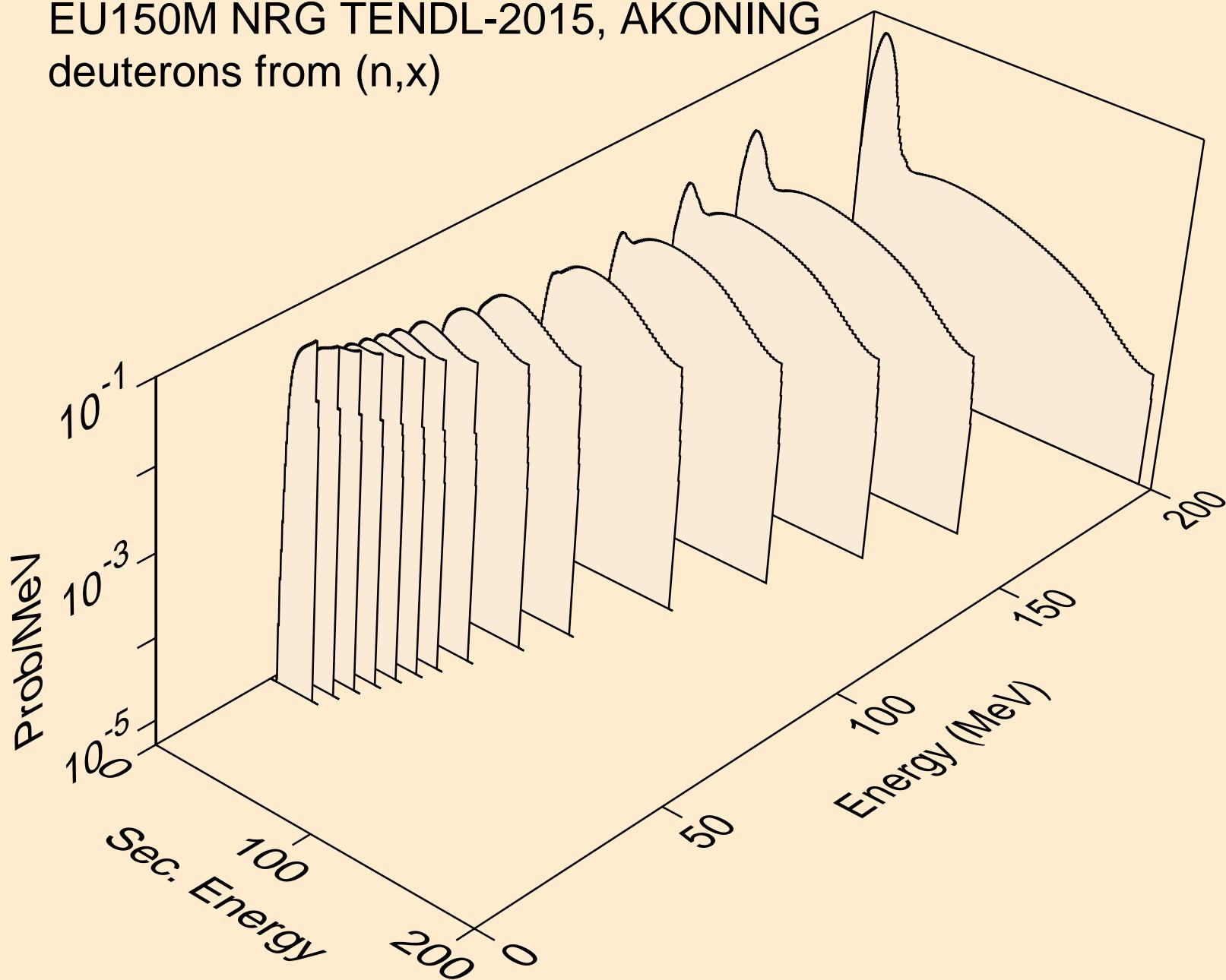
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protons from (n,pd)



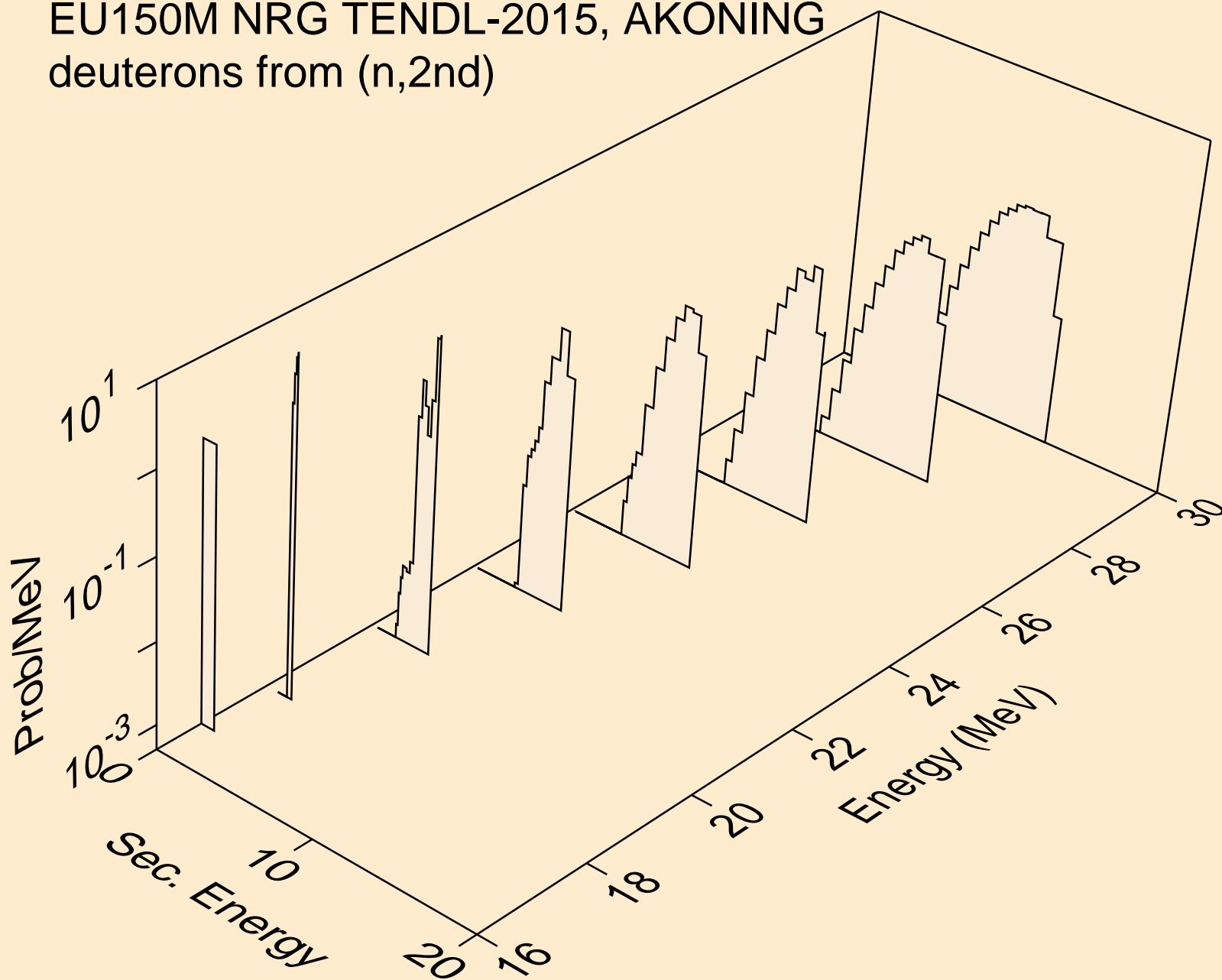
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protons from (n,pt)



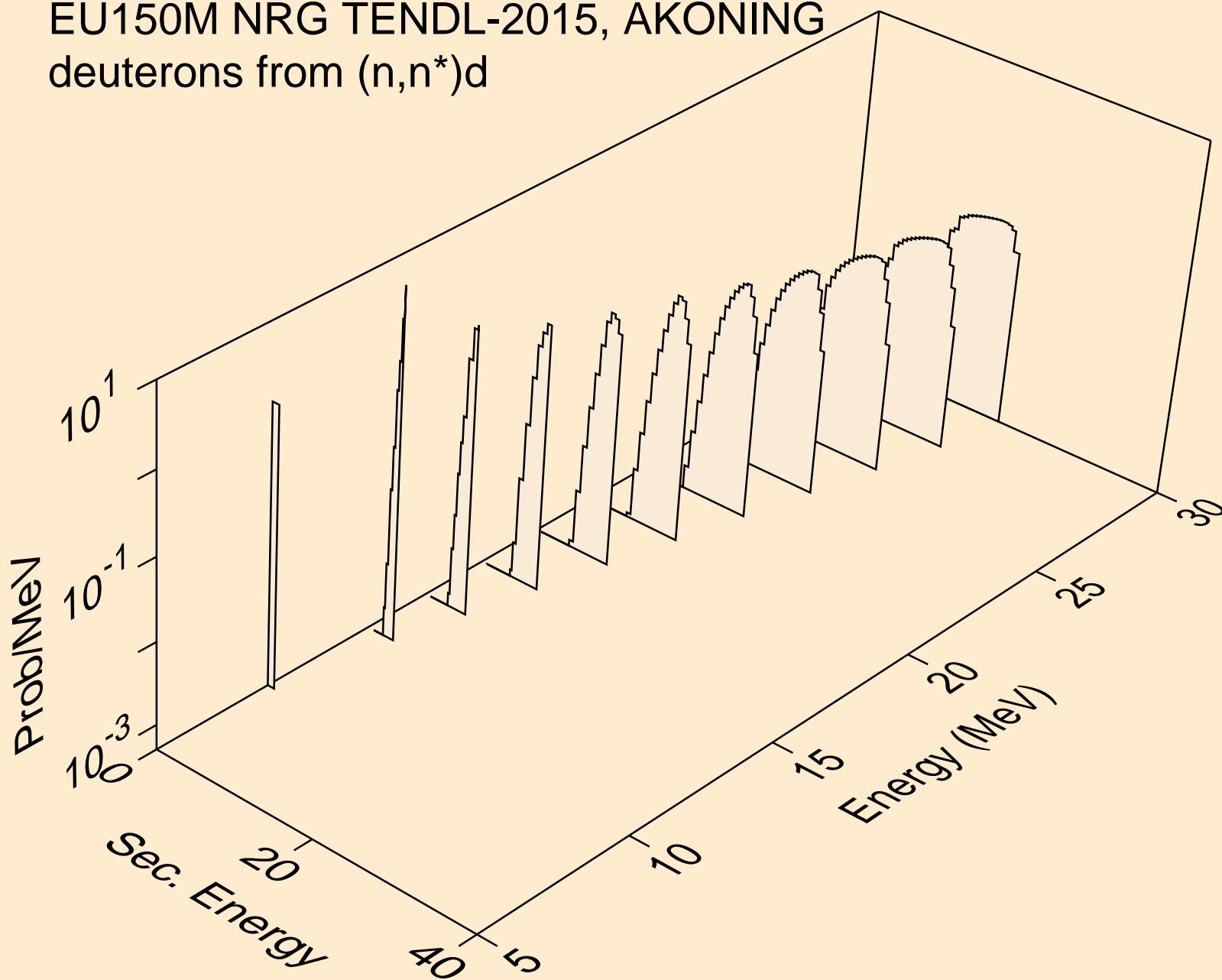
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deuterons from ( $n, x$ )



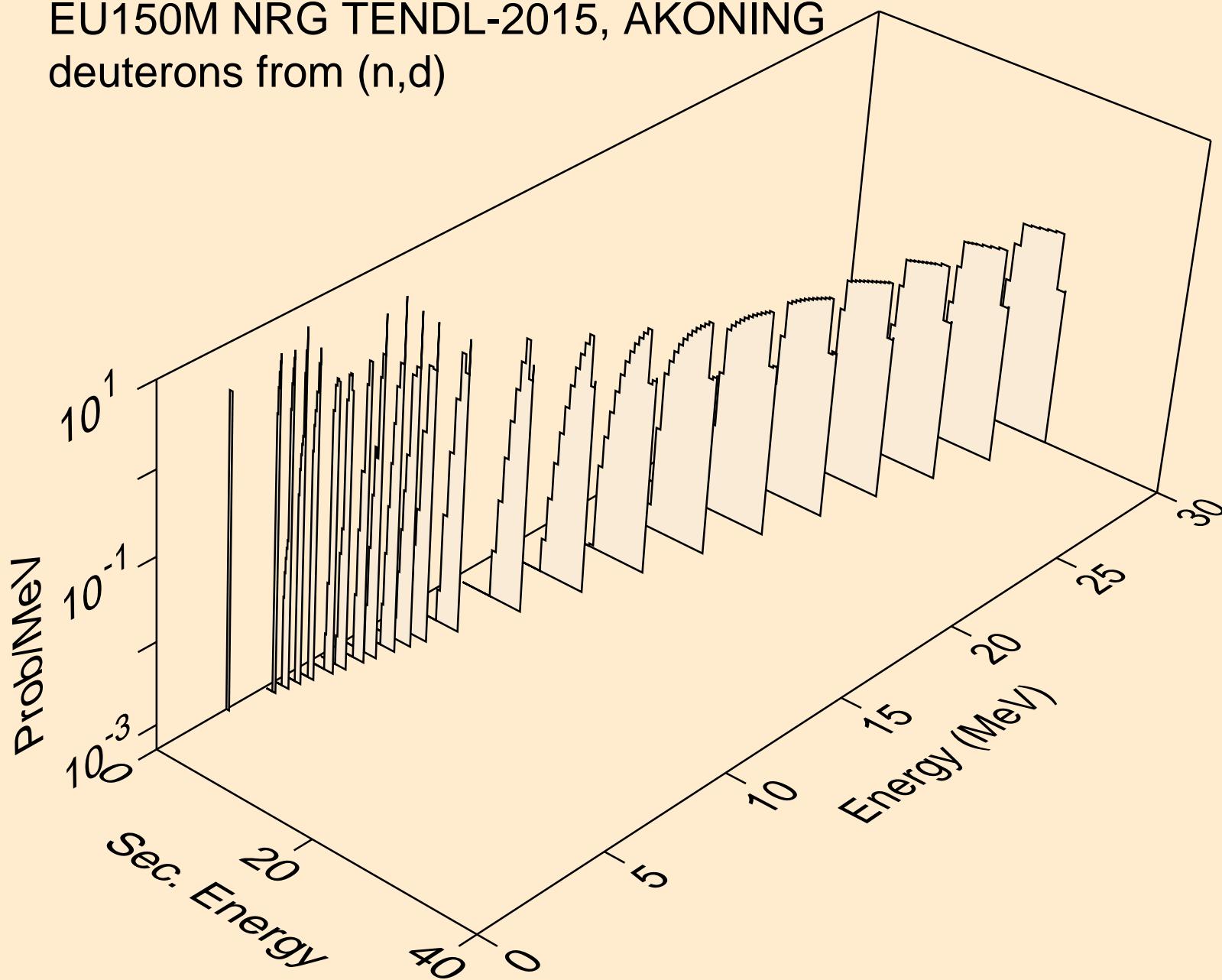
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deuterons from ( $n,2nd$ )



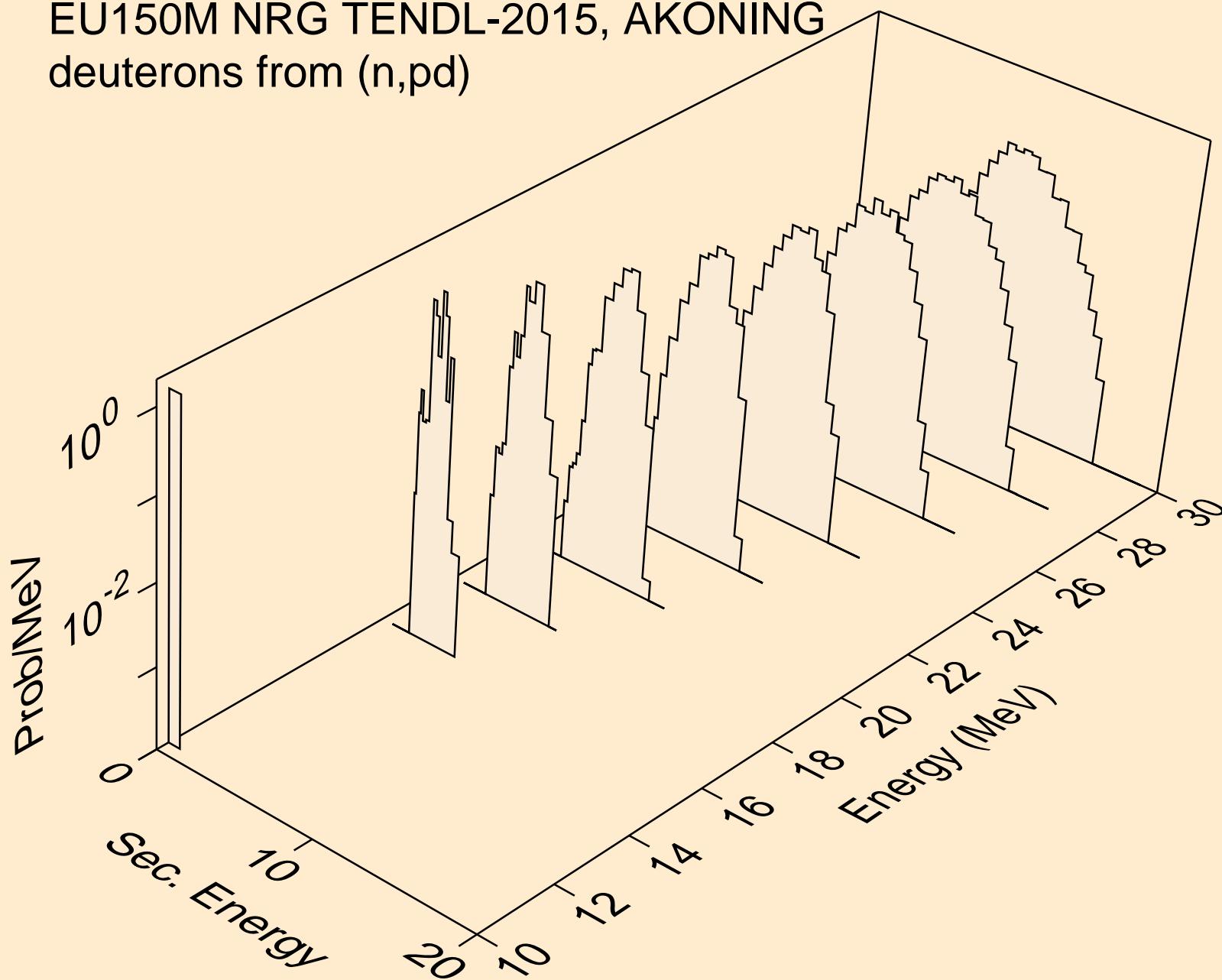
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deuterons from  $(n,n^*)d$



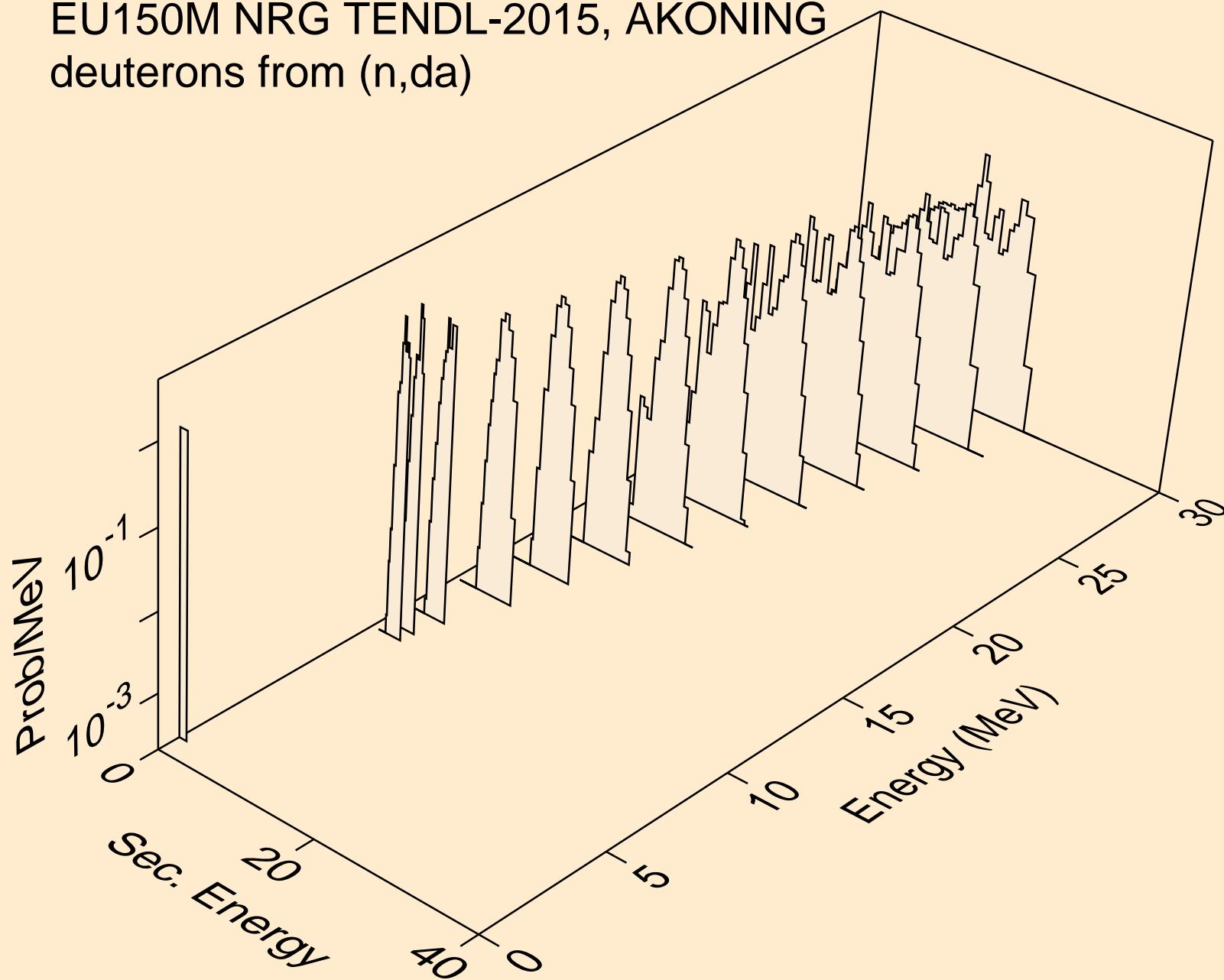
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deuterons from ( $n, d$ )



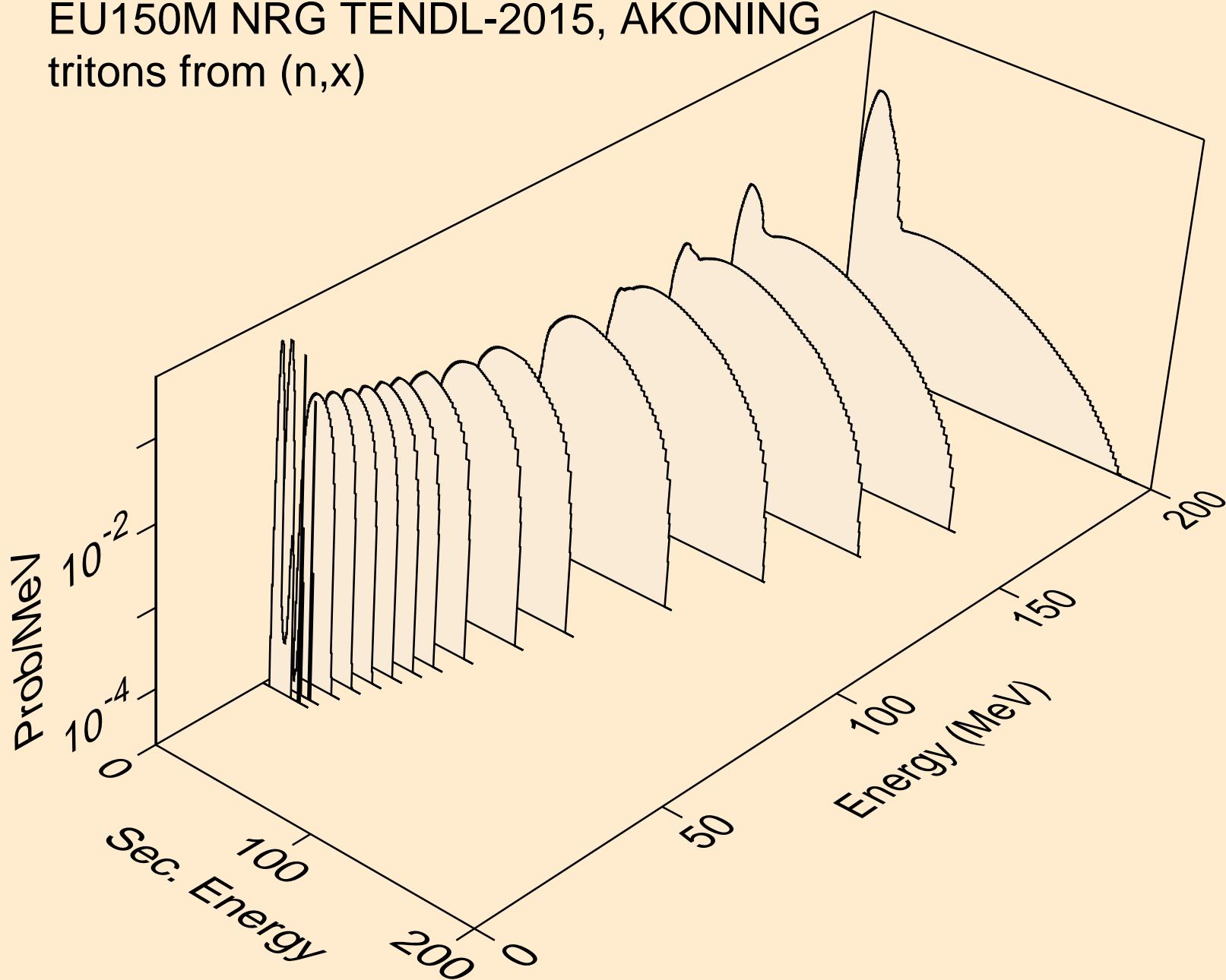
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deuterons from (n,pd)



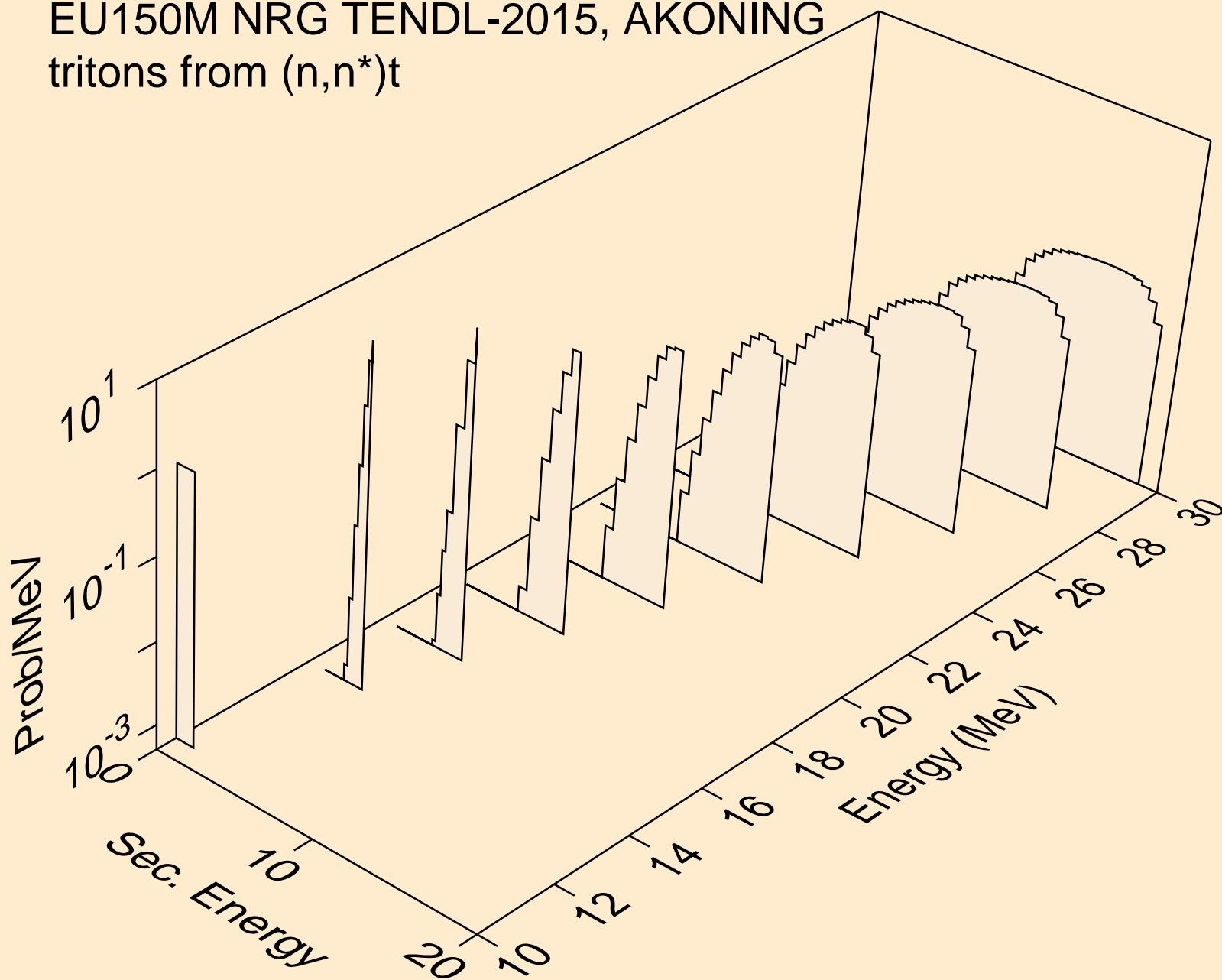
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deuterons from (n,da)



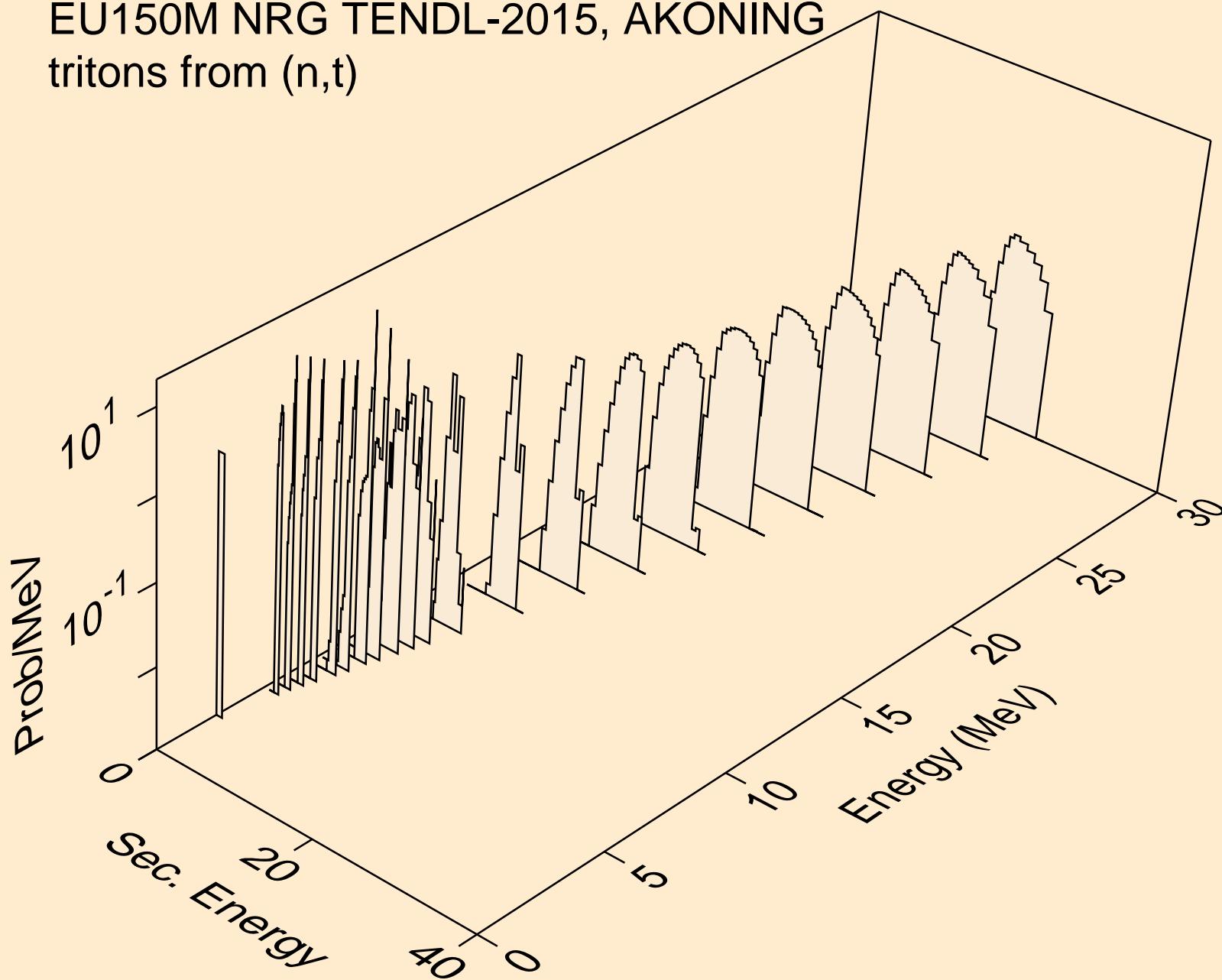
EU150M NRG TENDL-2015, AKONING  
tritons from ( $n,x$ )



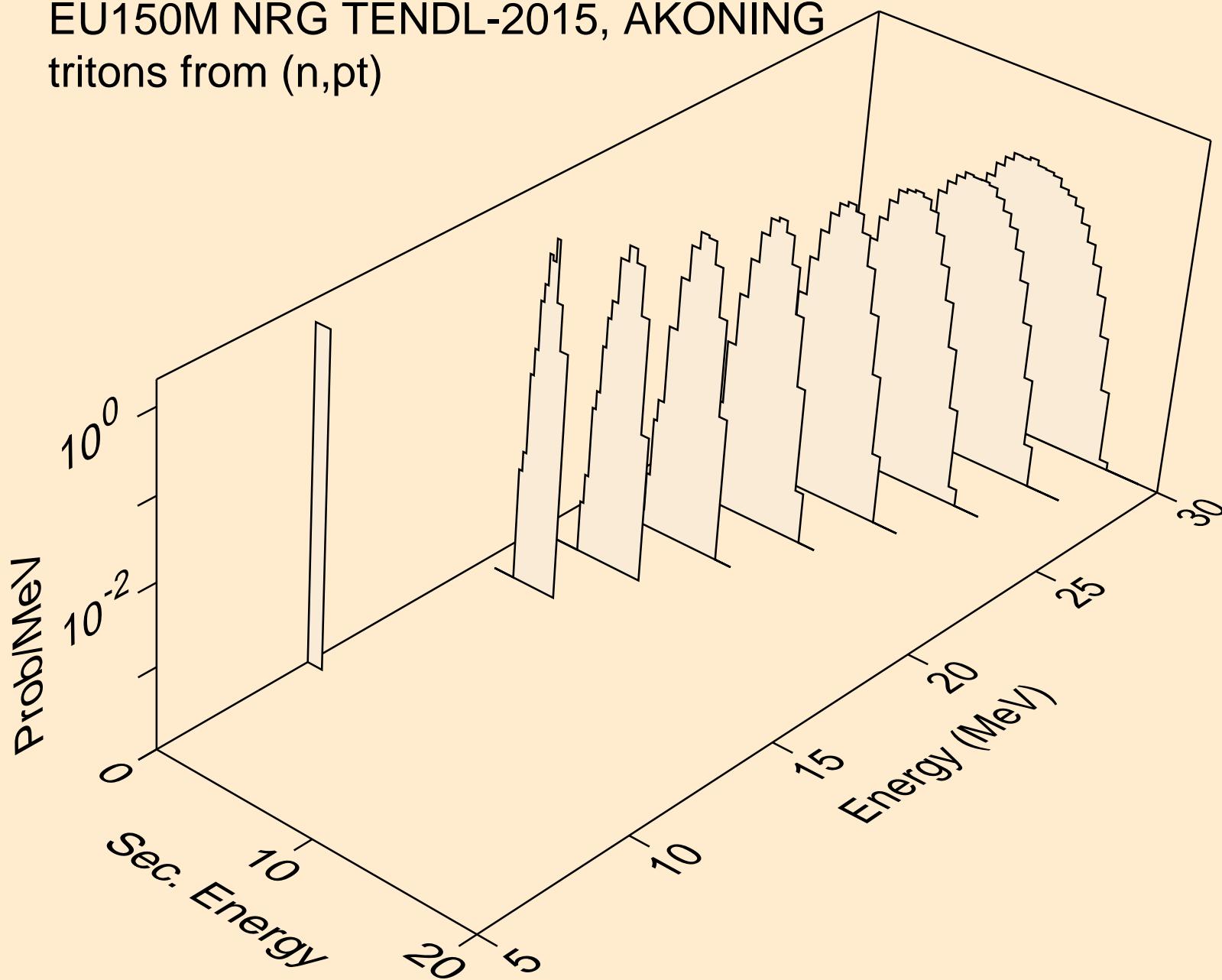
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tritons from  $(n,n^*)t$



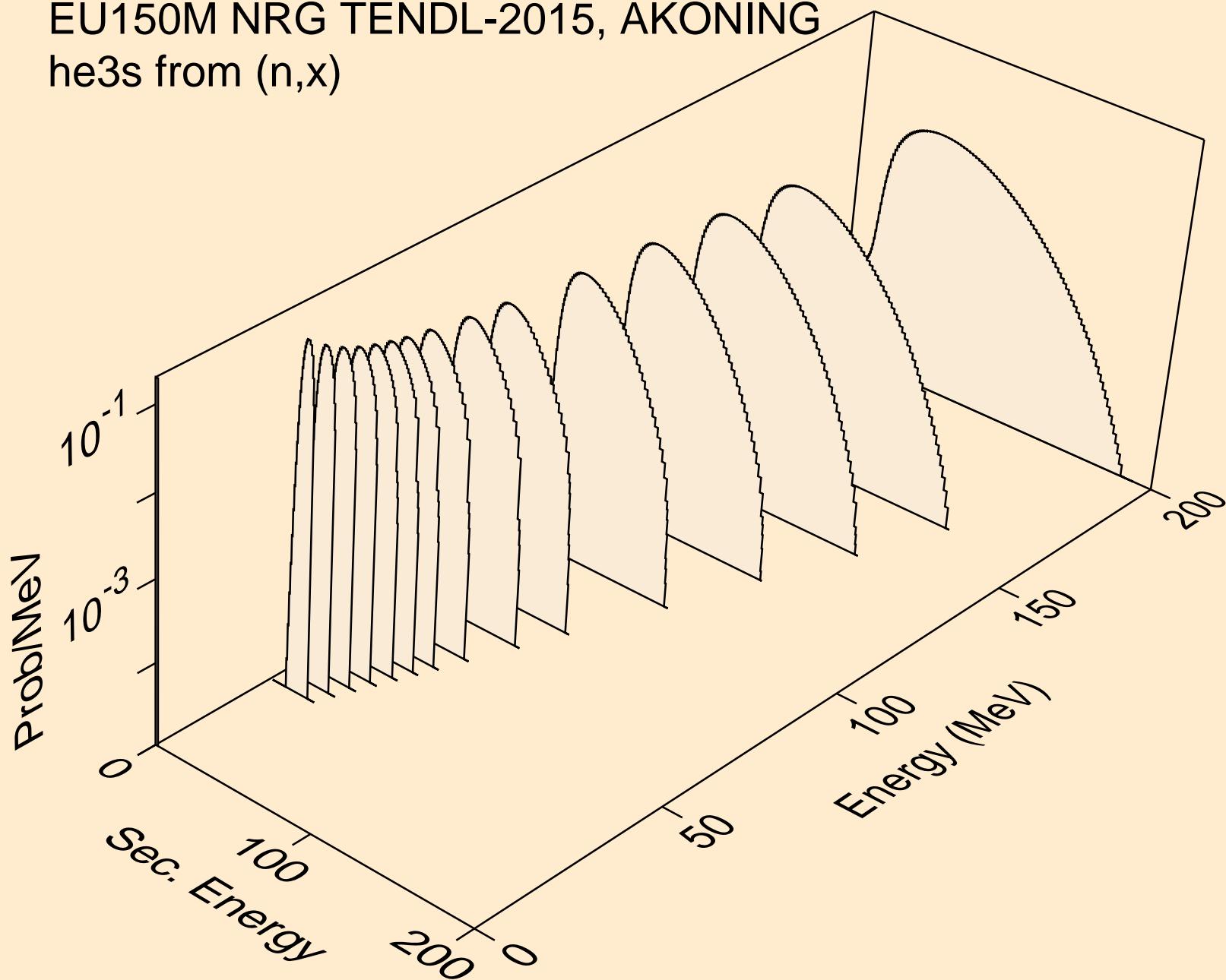
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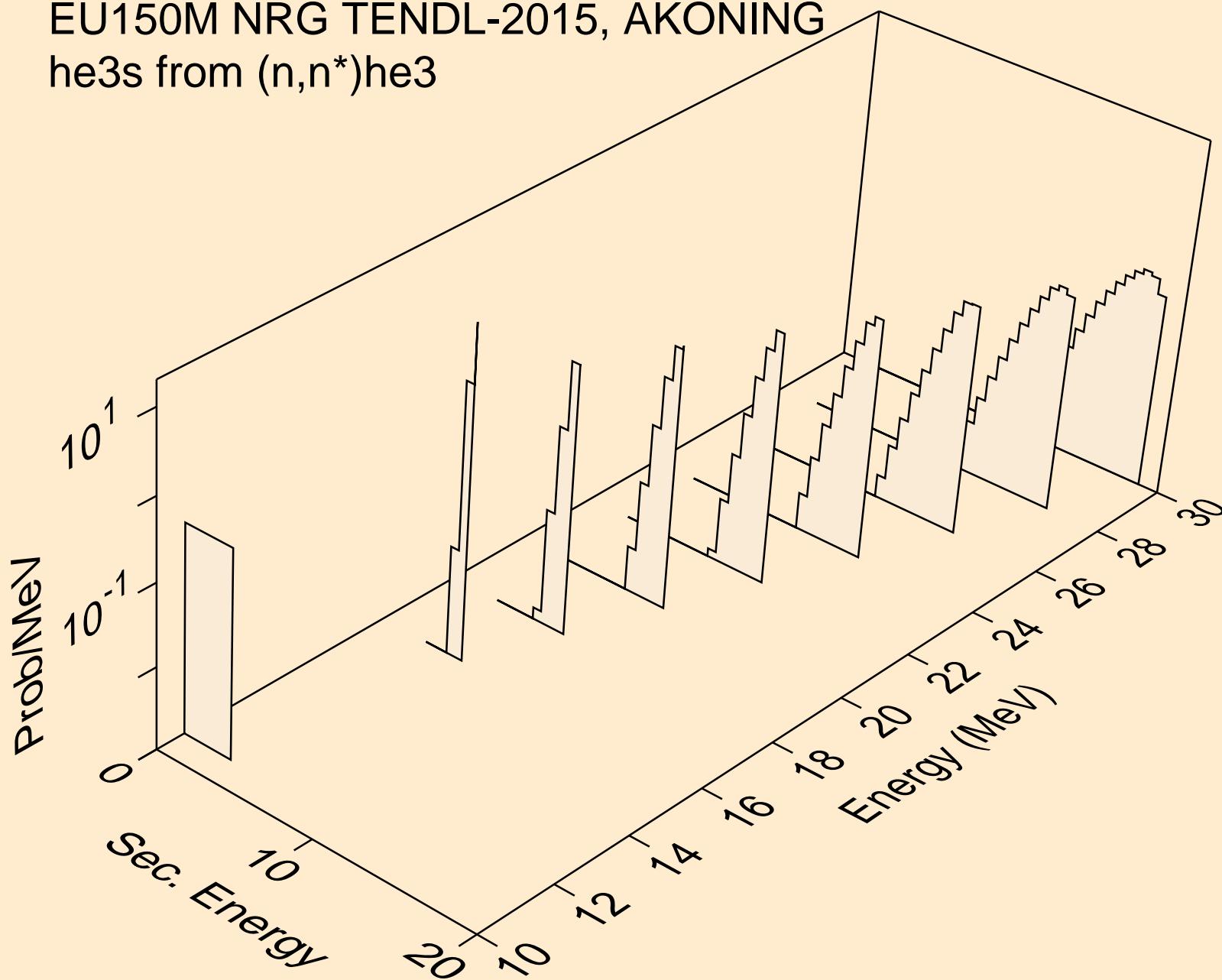
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tritons from (n,pt)



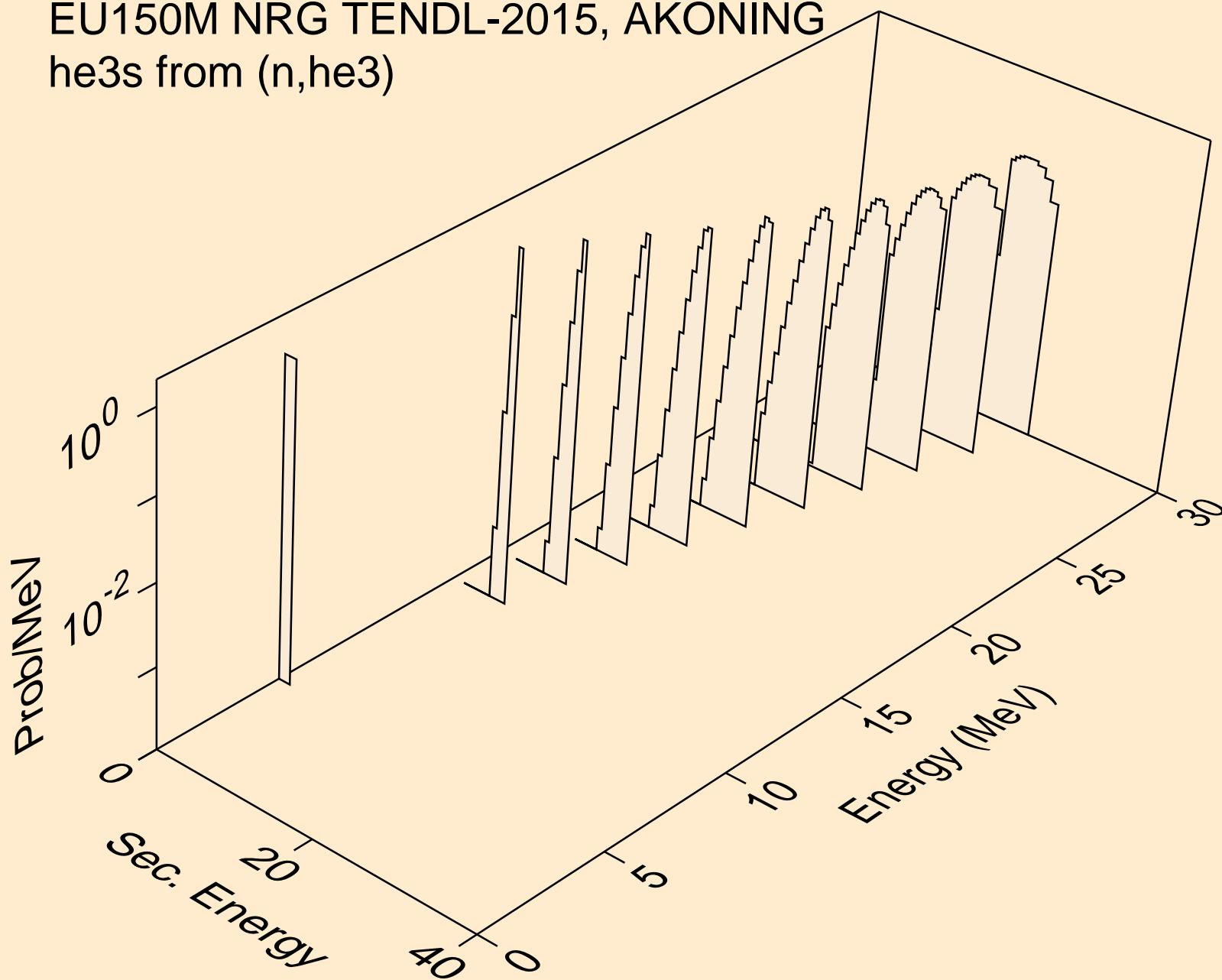
EU150M NRG TENDL-2015, AKONING  
he3s from (n,x)



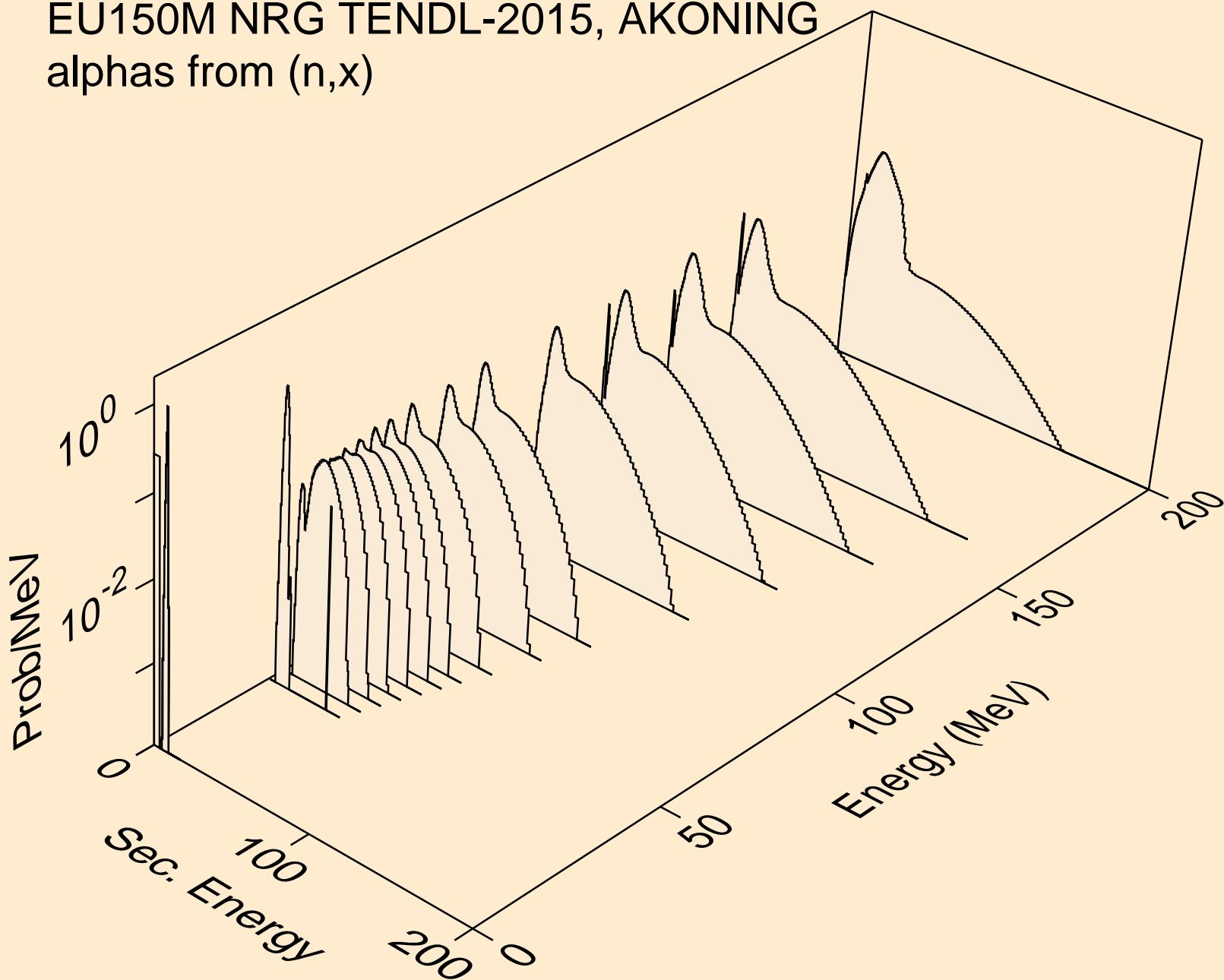
EU150M NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



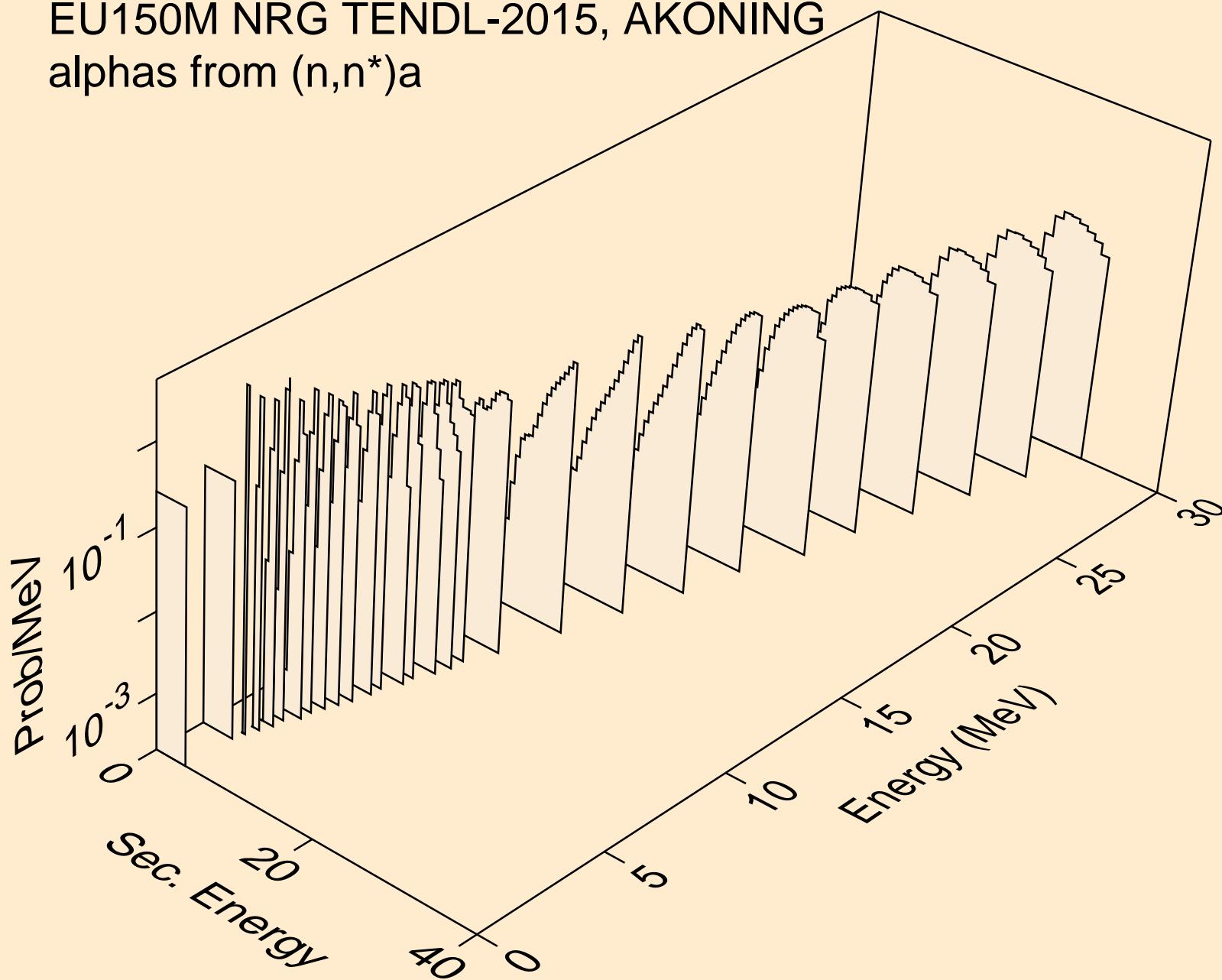
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he3s from (n,he3)



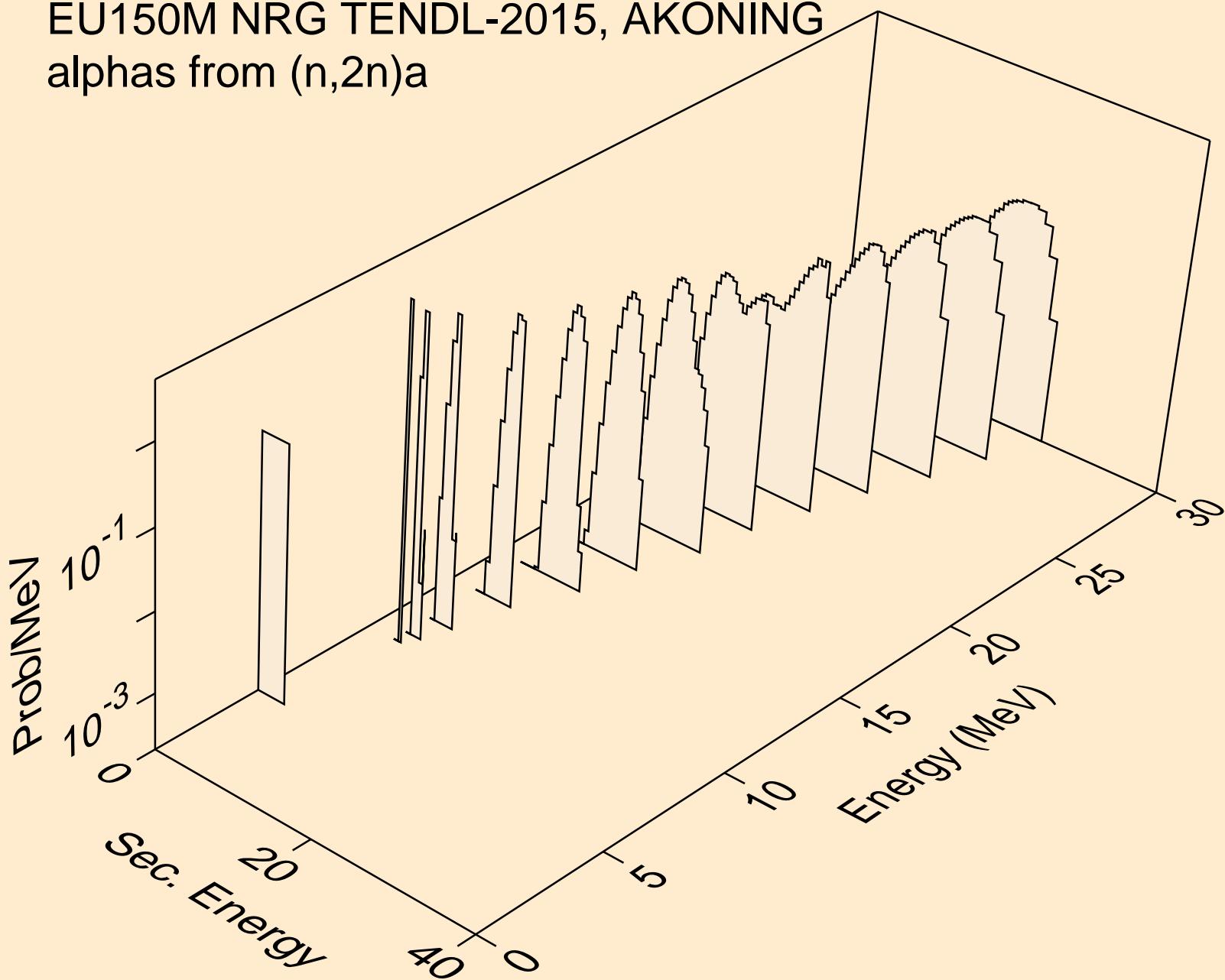
EU150M NRG TENDL-2015, AKONING  
alphas from (n,x)



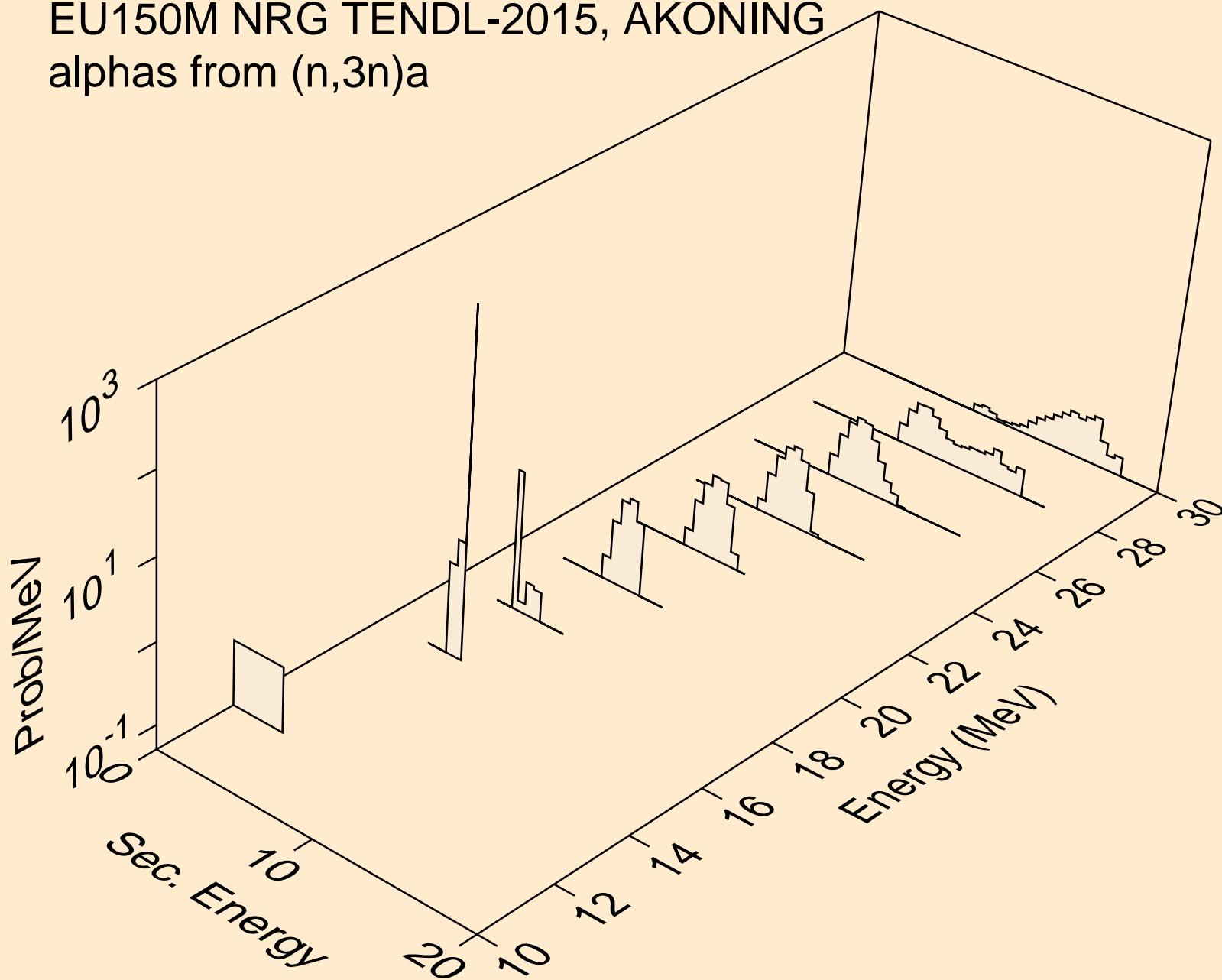
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alphas from  $(n,n^*)a$



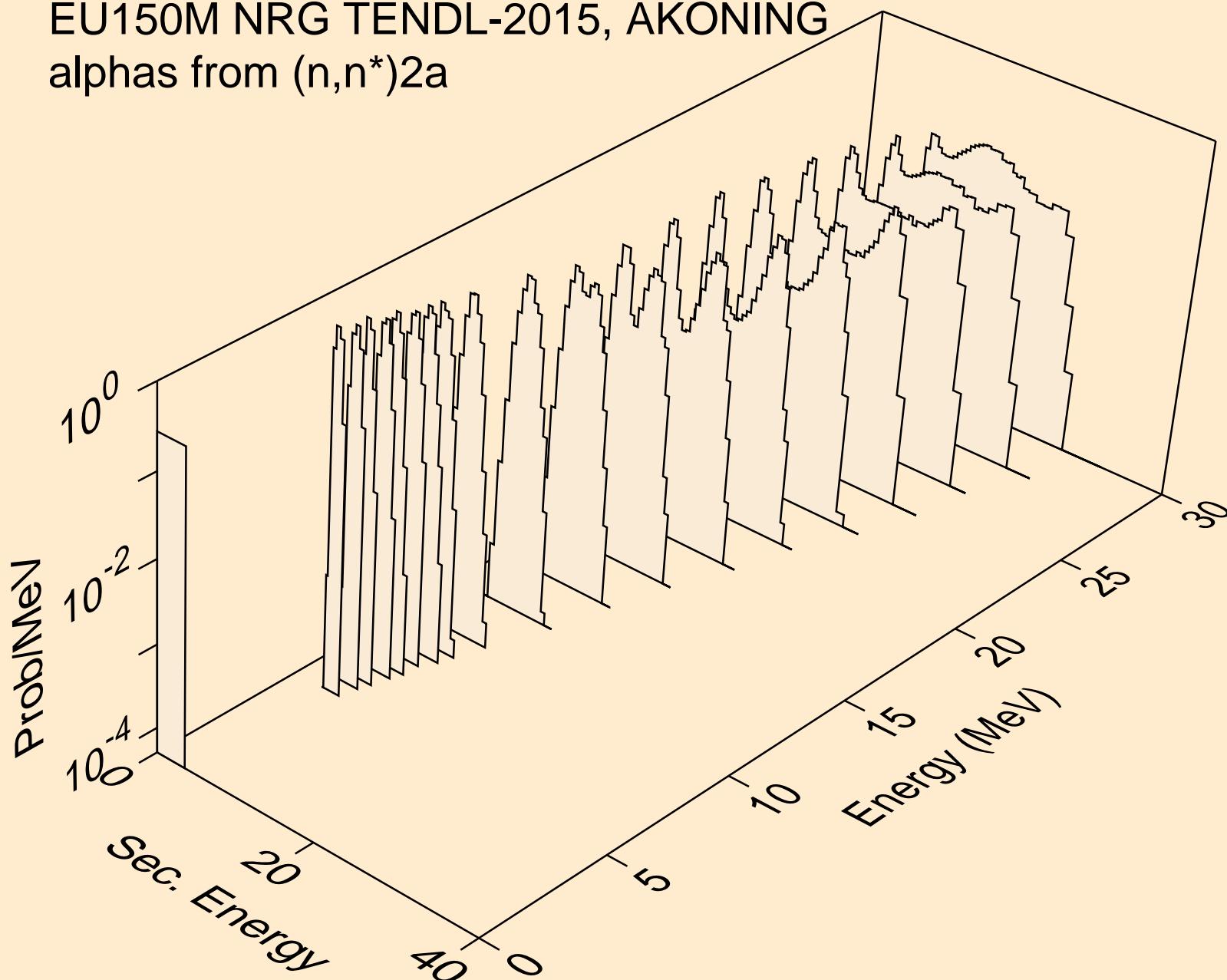
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alphas from ( $n,2n$ )a



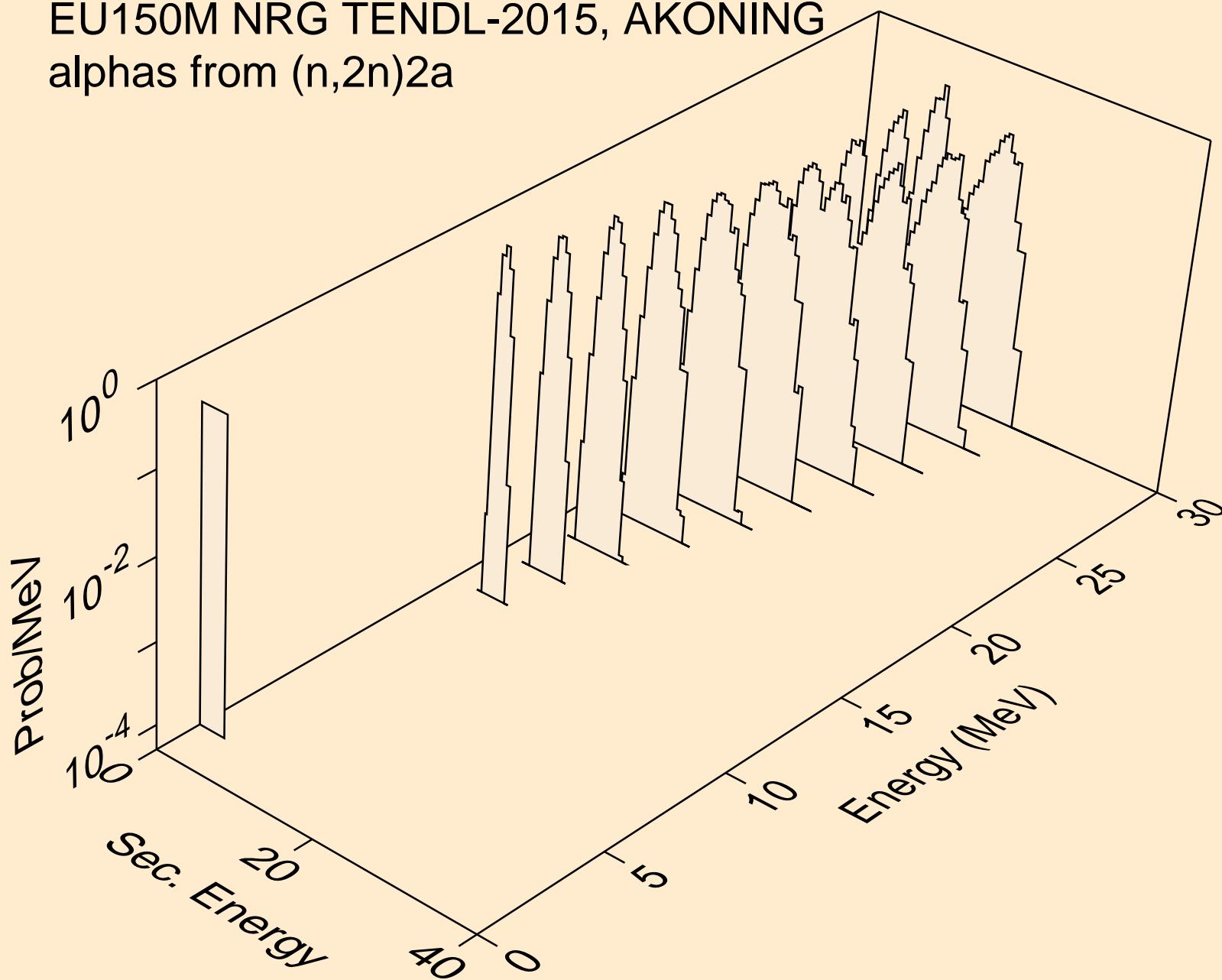
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alphas from  $(n,3n)a$



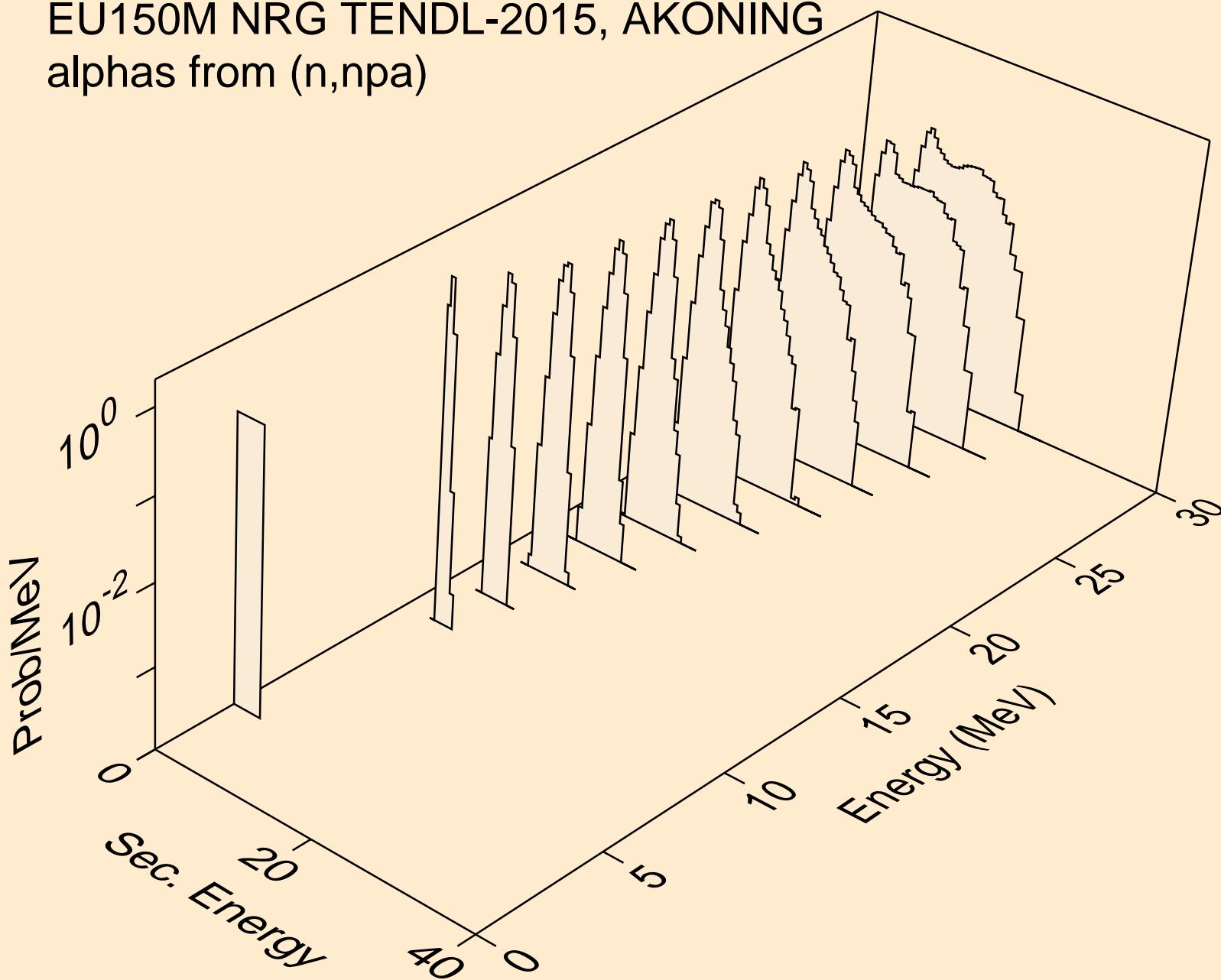
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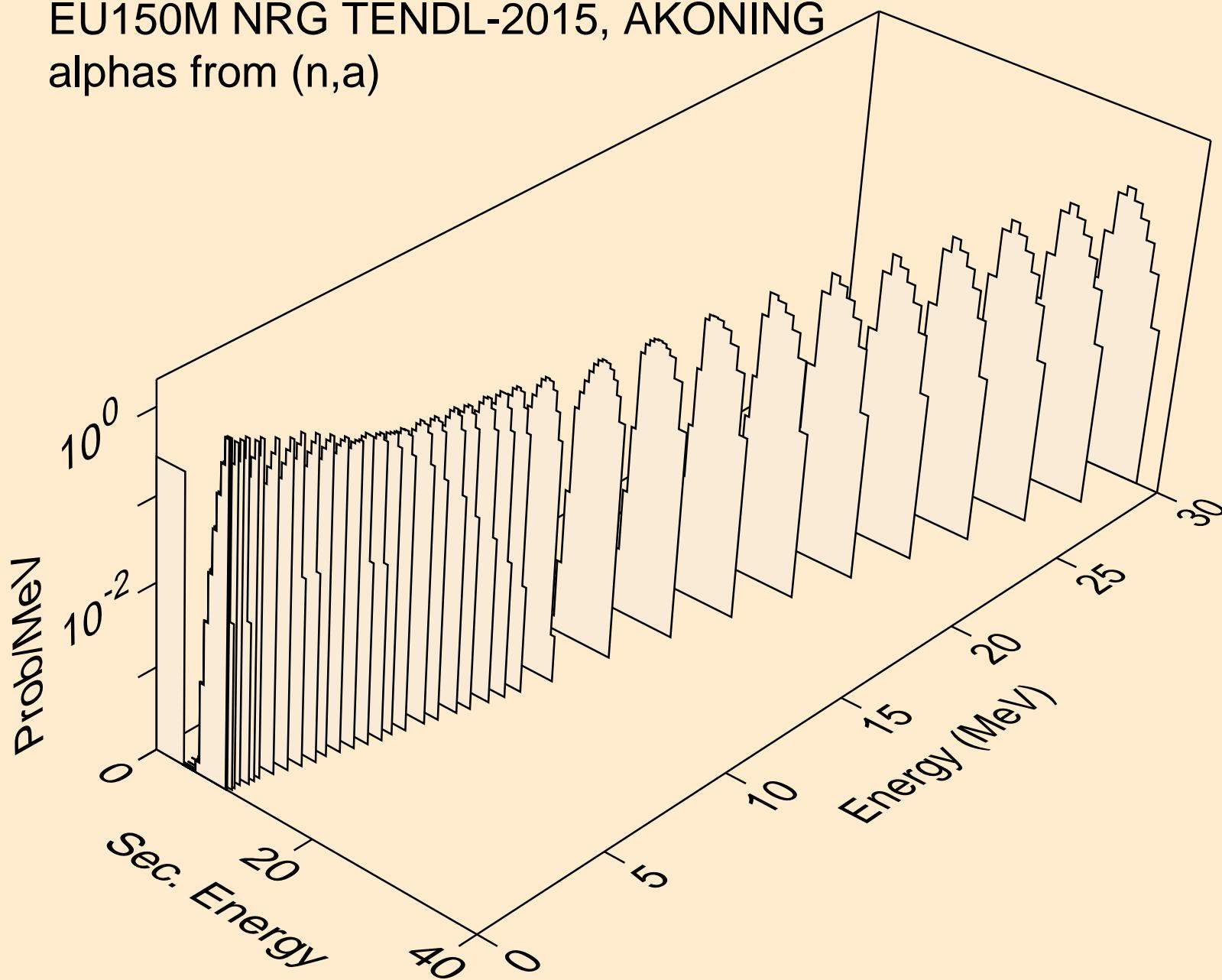
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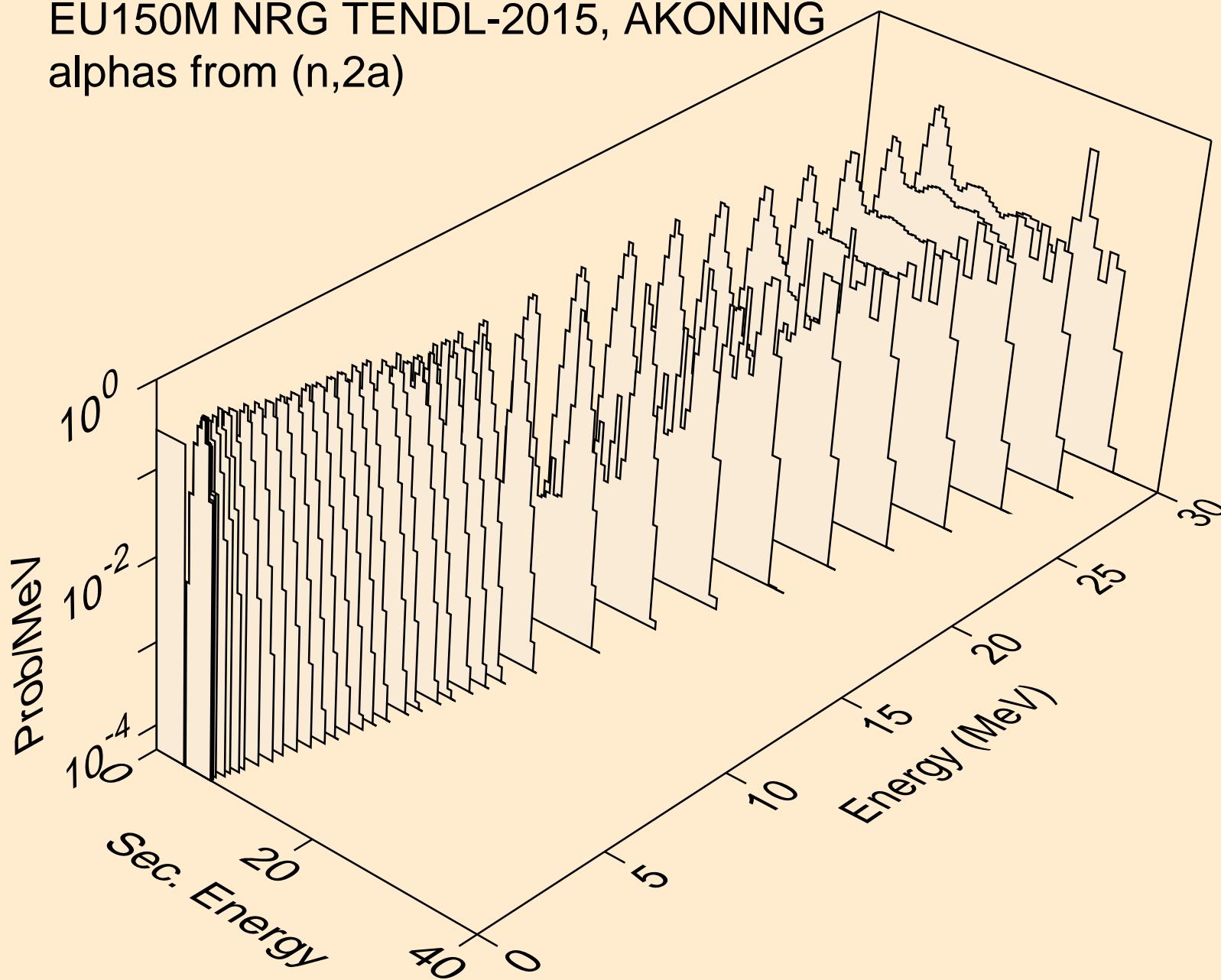
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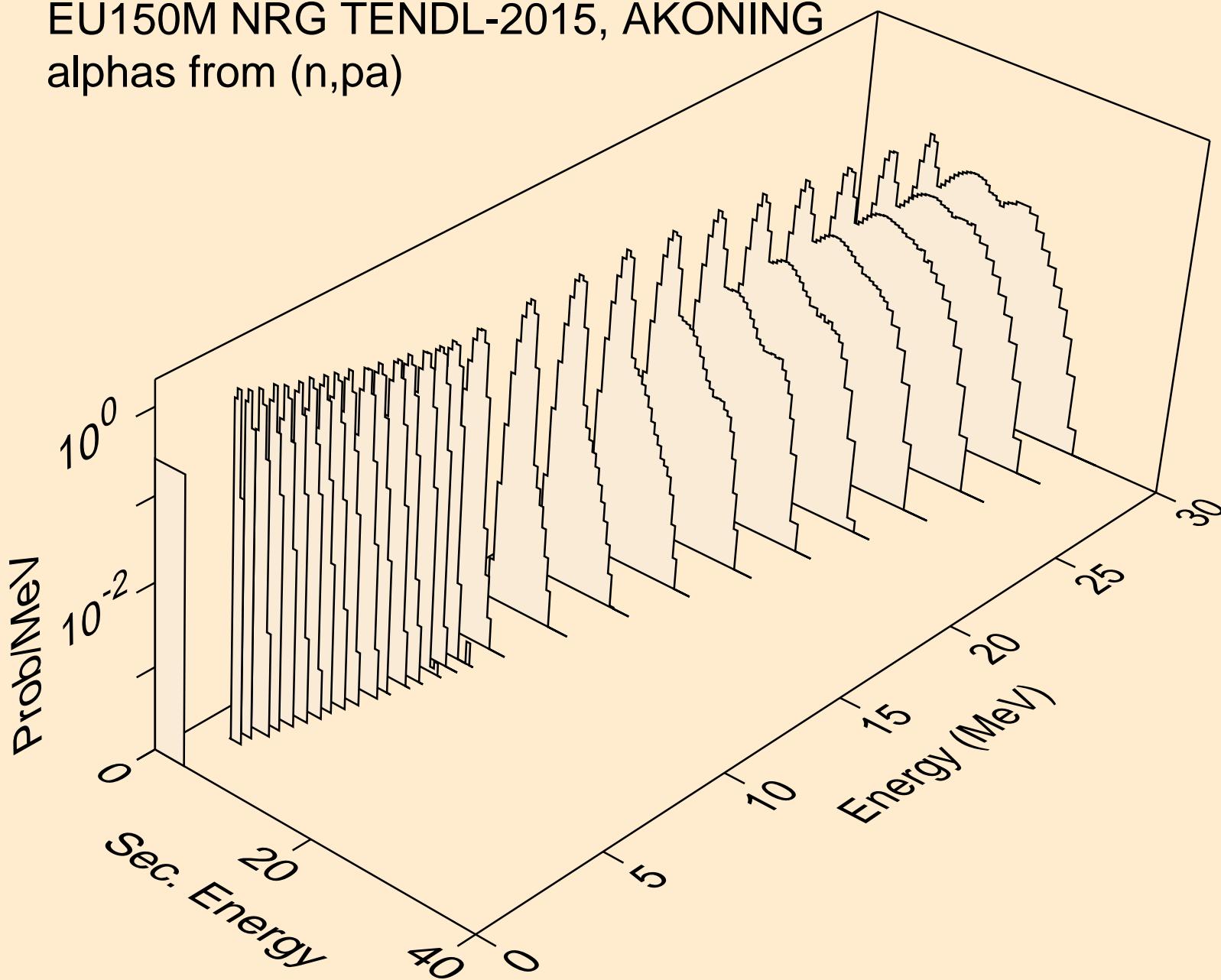
EU150M NRG TENDL-2015, AKONING  
alphas from (n,a)



EU150M NRG TENDL-2015, AKONING  
alphas from (n,2a)



EU150M NRG TENDL-2015, AKONING  
alphas from (n,pa)



EU150M NRG TENDL-2015, AKONING  
alphas from (n,da)

