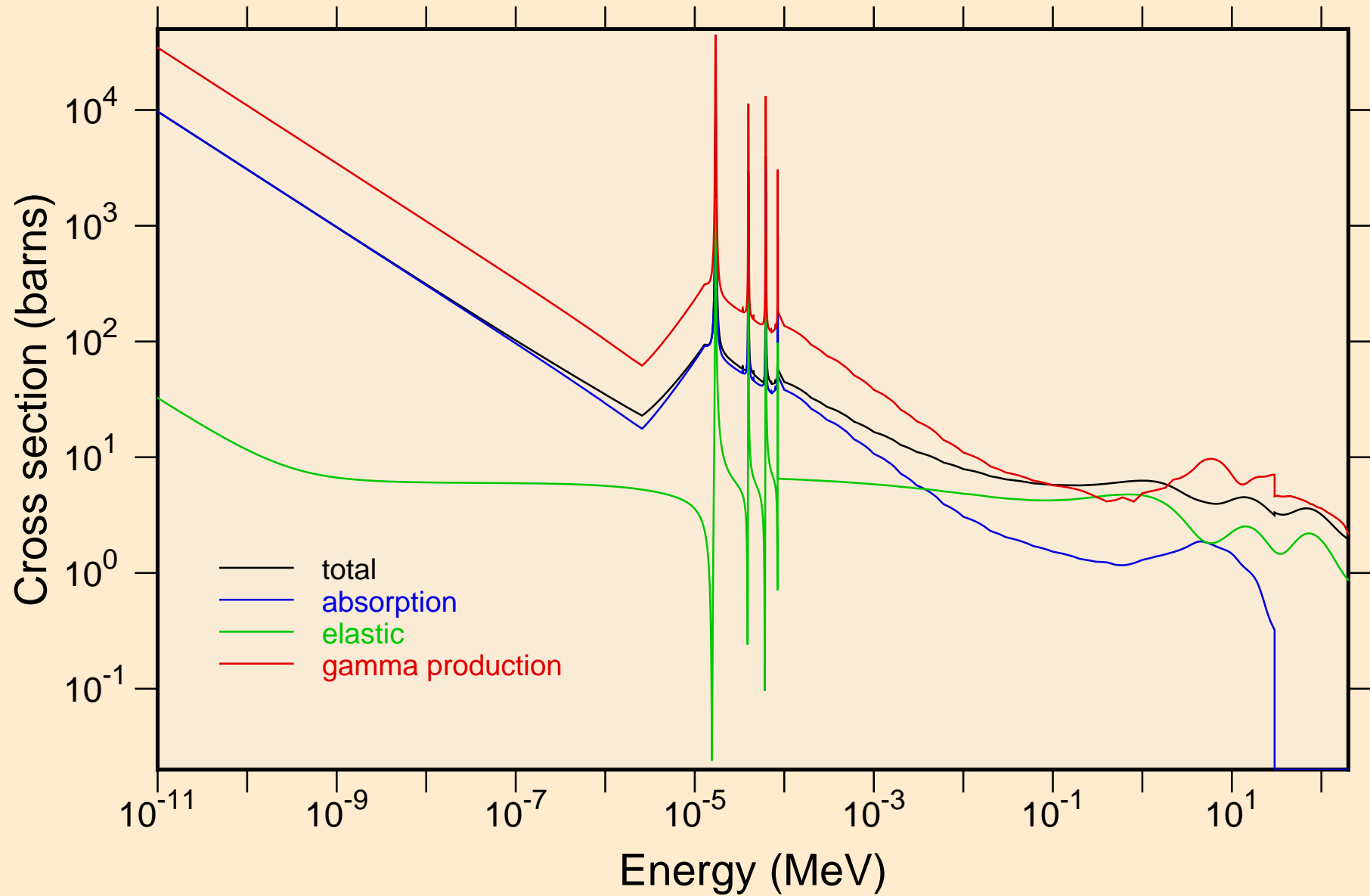


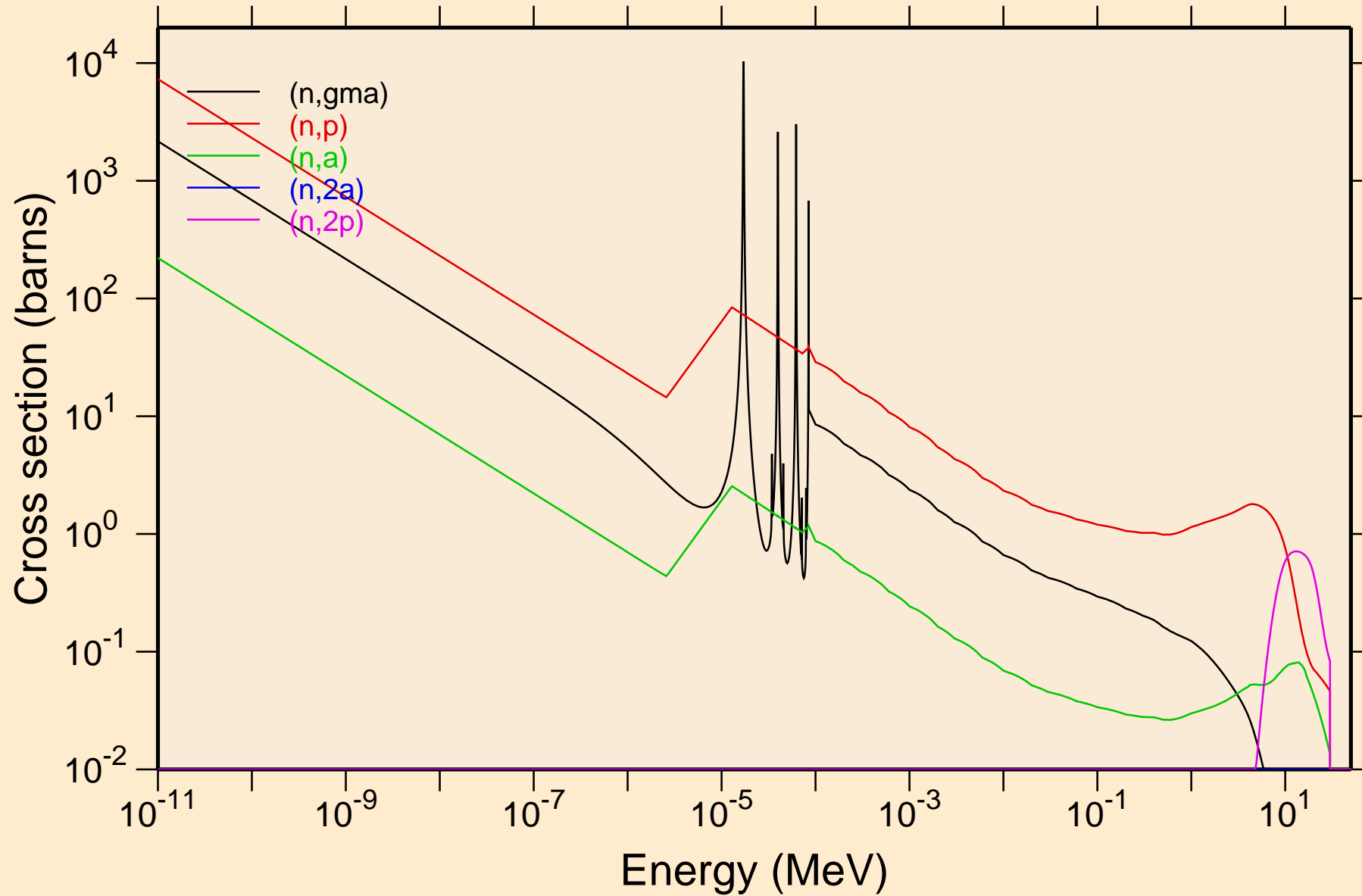
# XE116 NRG TENDL-2015, AKONING

## Principal cross sections



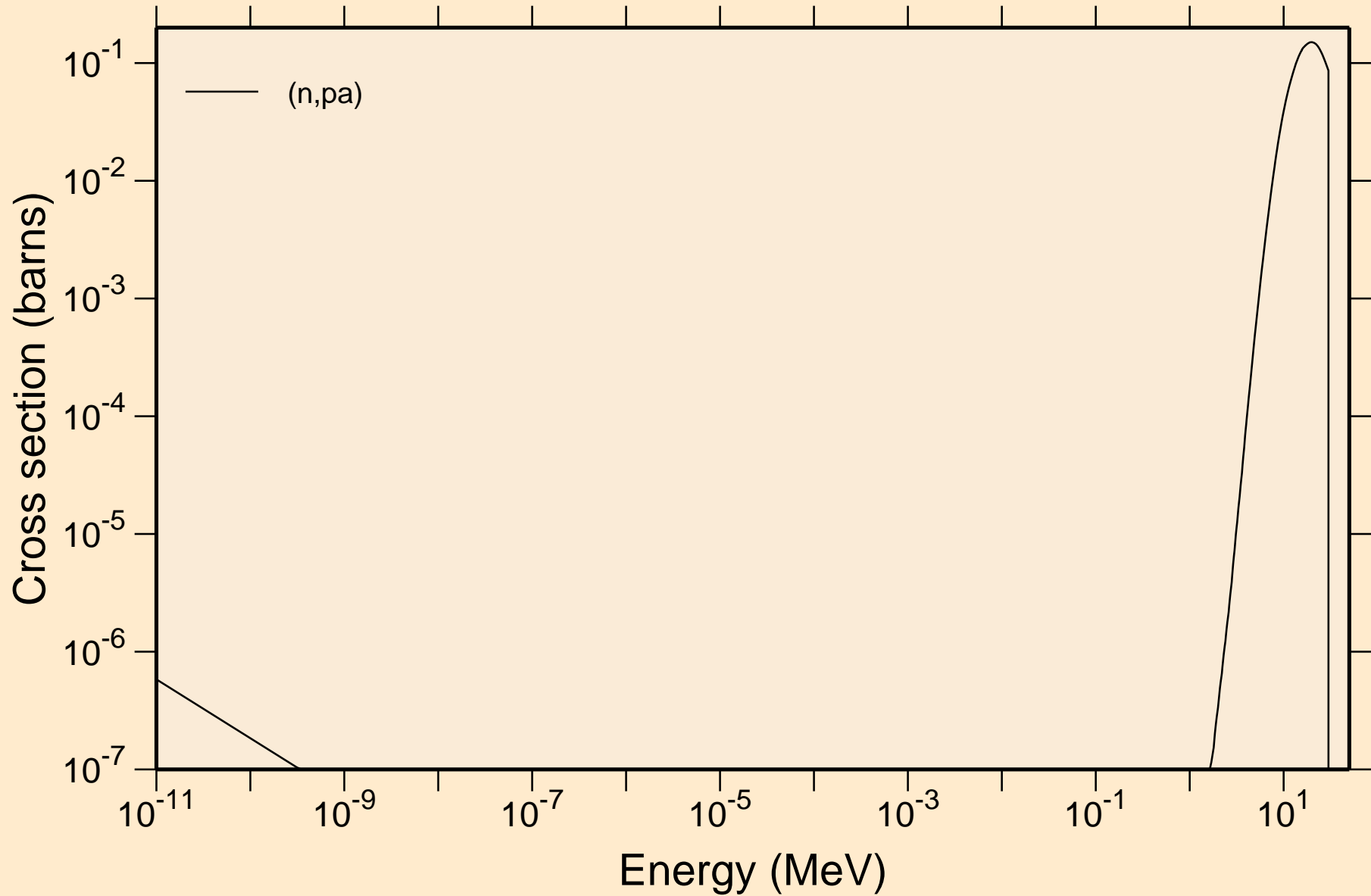
# XE116 NRG TENDL-2015, AKONING

## Non-threshold reactions



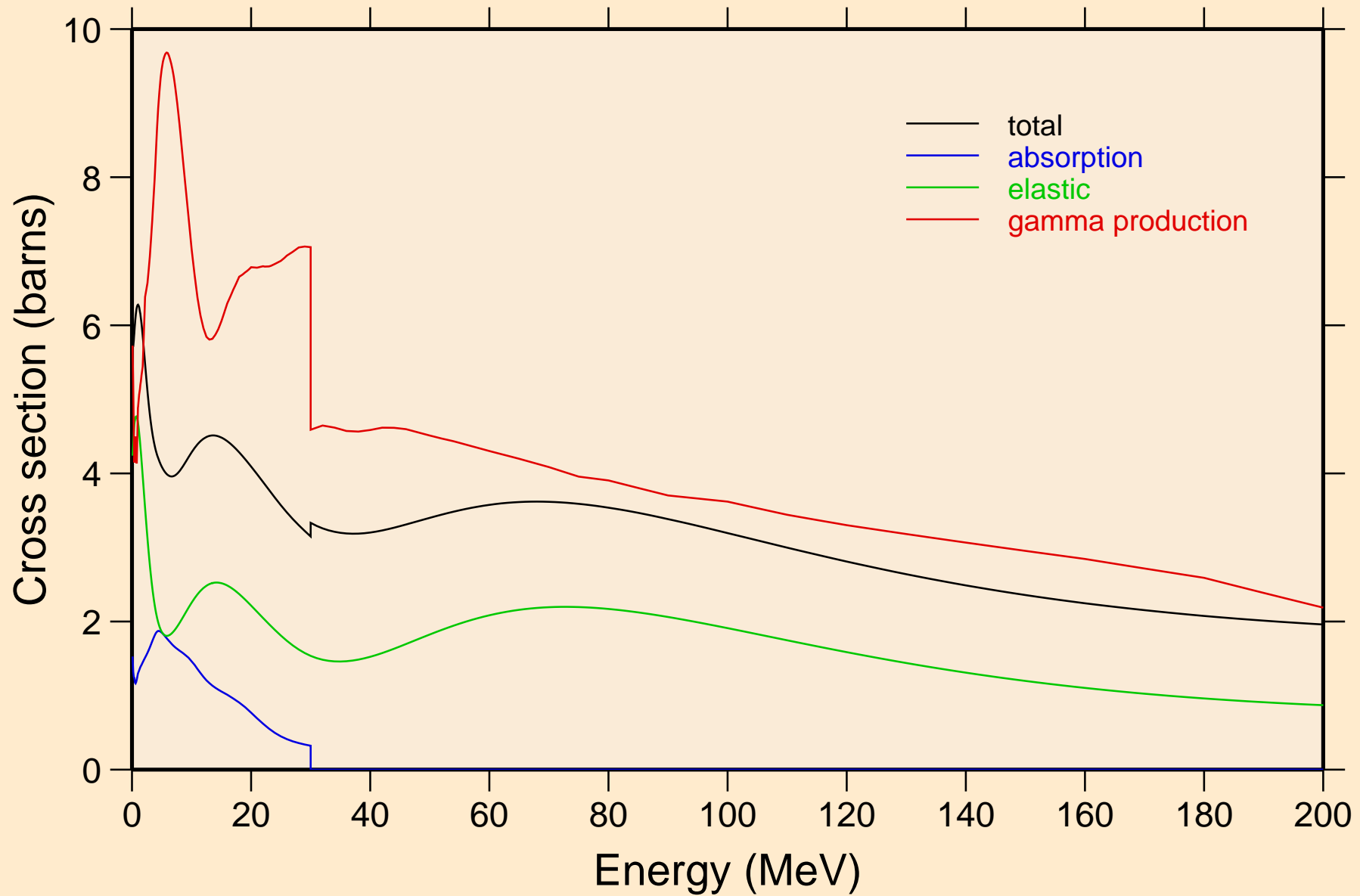
# XE116 NRG TENDL-2015, AKONING

## Non-threshold reactions



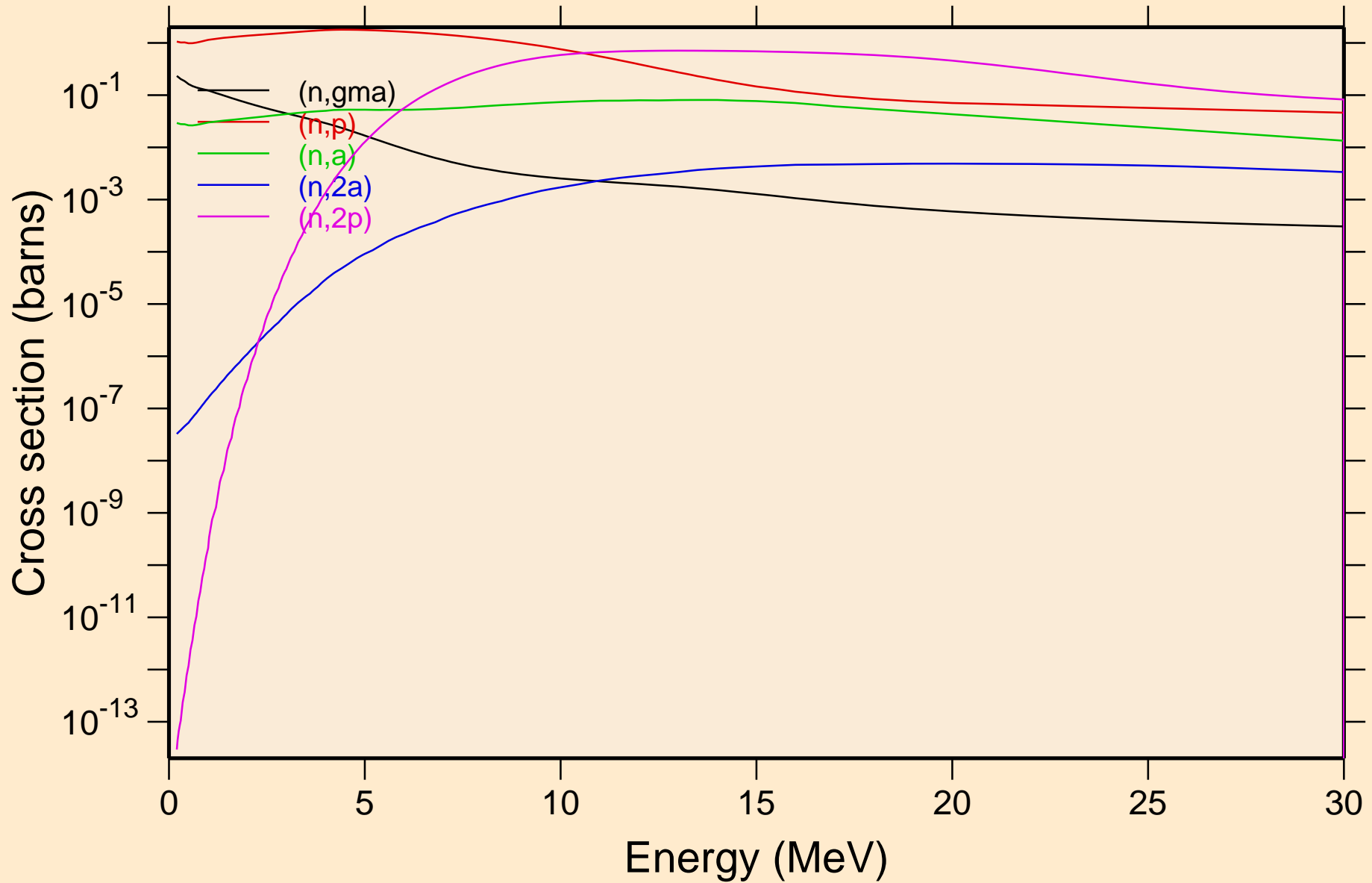
# XE116 NRG TENDL-2015, AKONING

## Principal cross sections



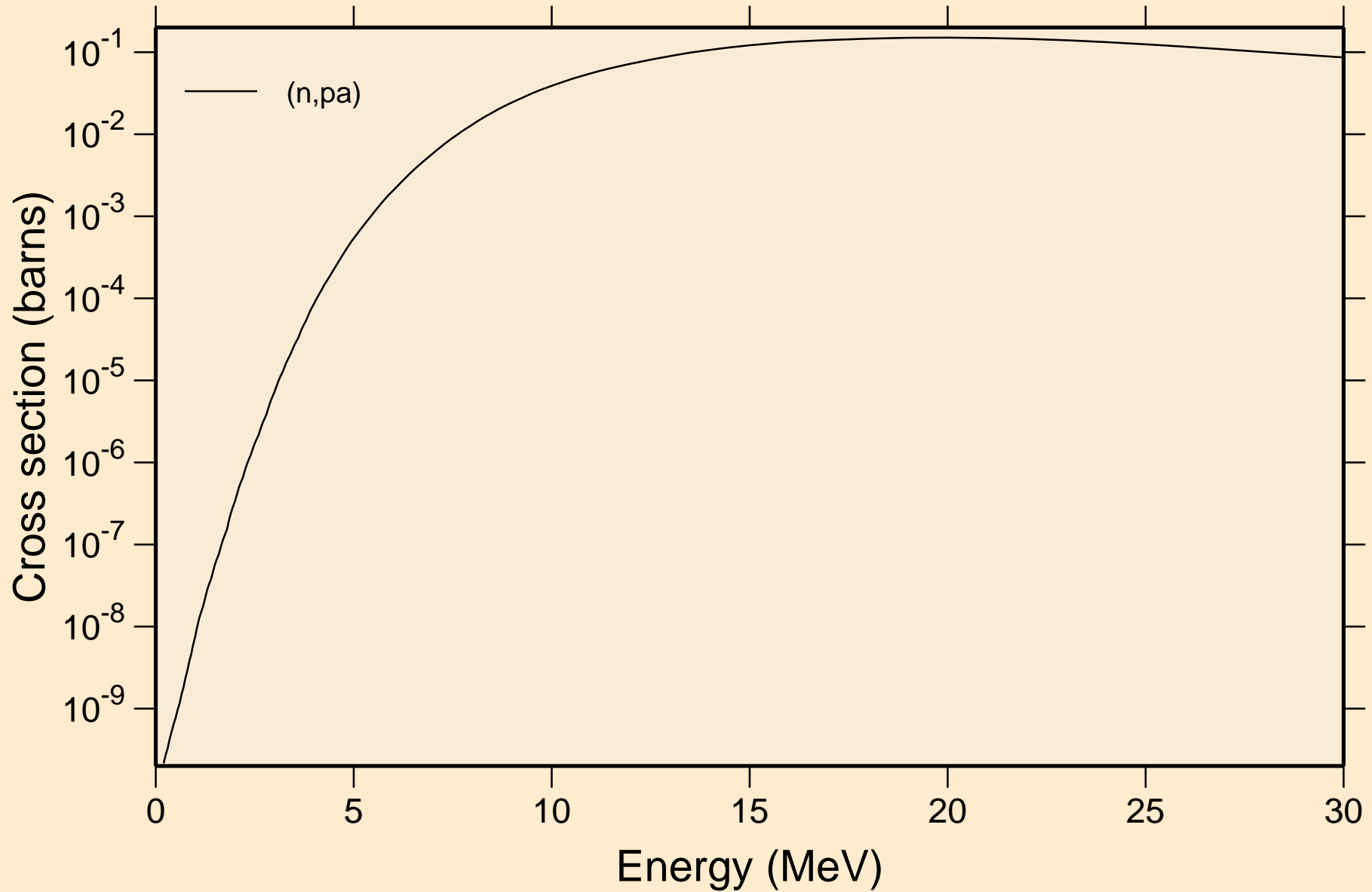
# XE116 NRG TENDL-2015, AKONING

## Non-threshold reactions



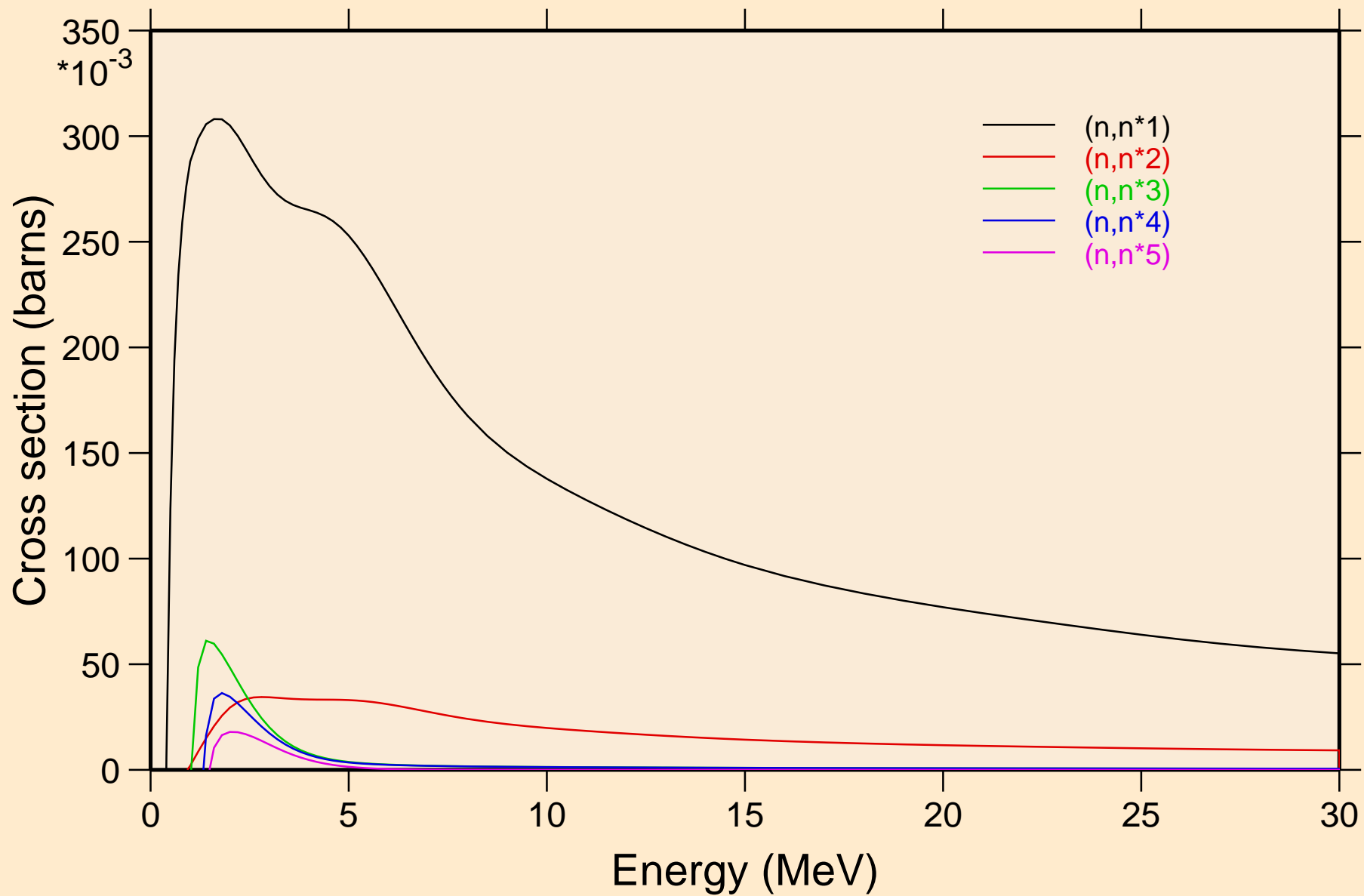
# XE116 NRG TENDL-2015, AKONING

## Non-threshold reactions



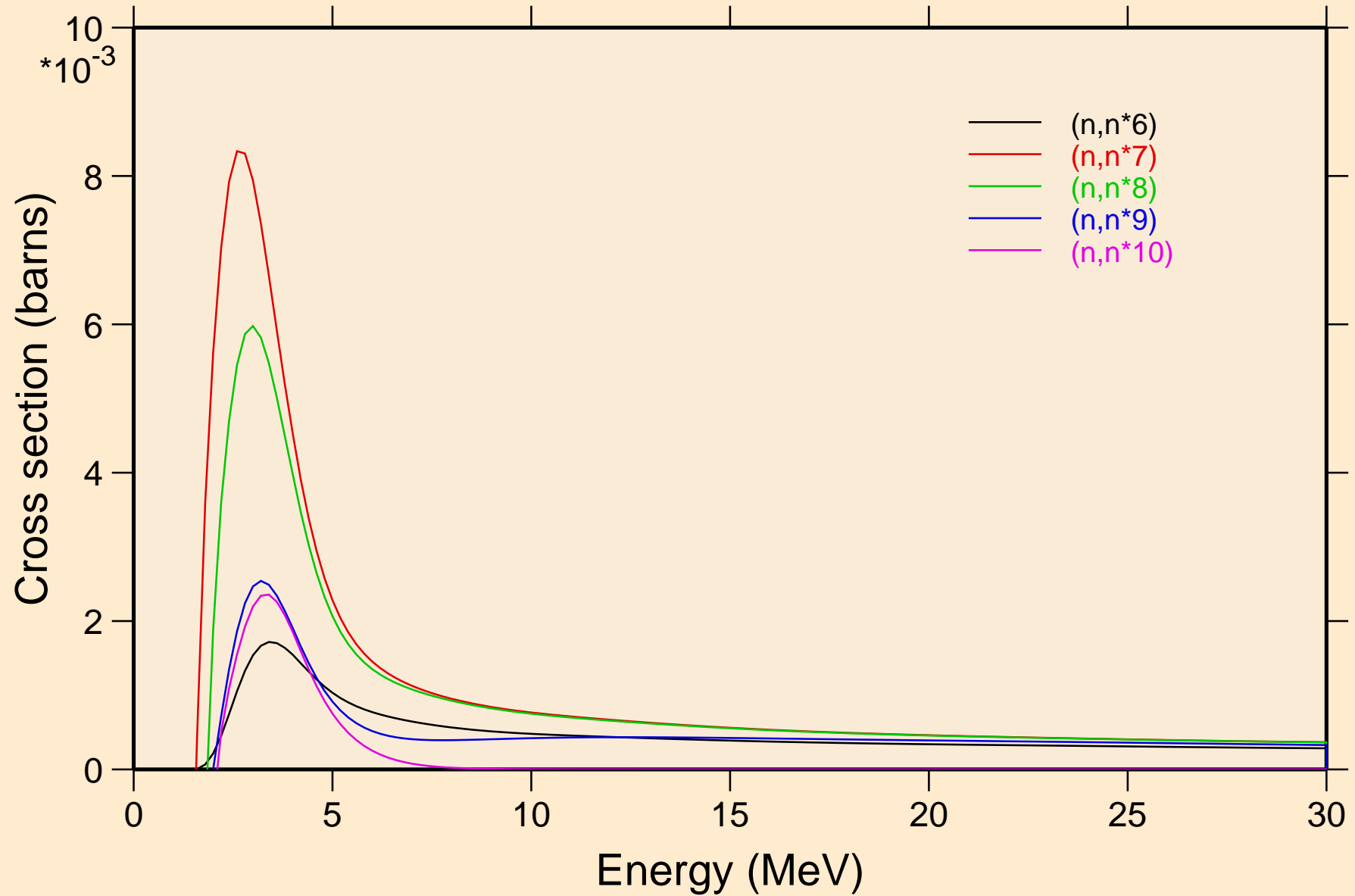
# XE116 NRG TENDL-2015, AKONING

## Inelastic levels



# XE116 NRG TENDL-2015, AKONING

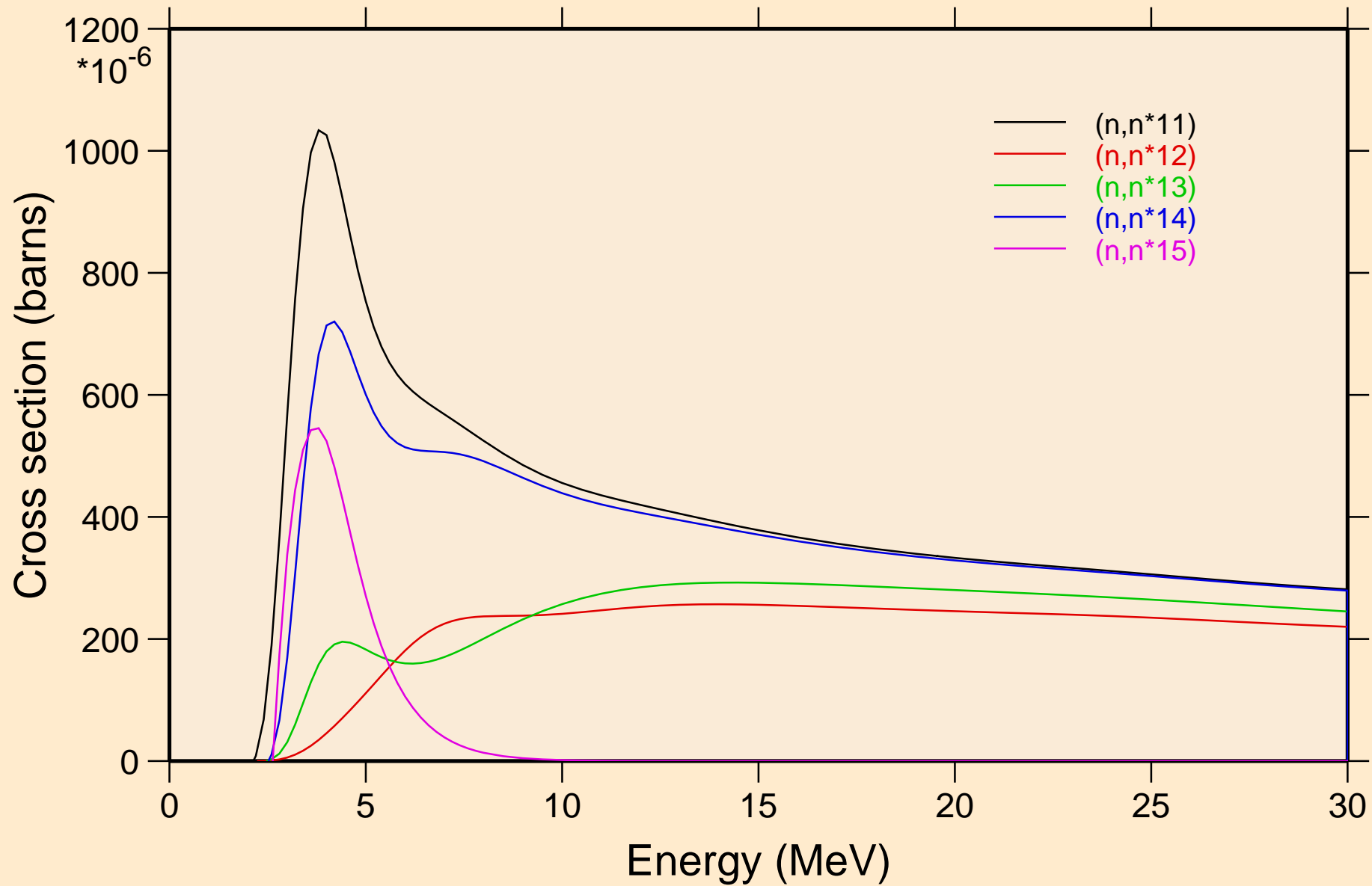
## Inelastic levels





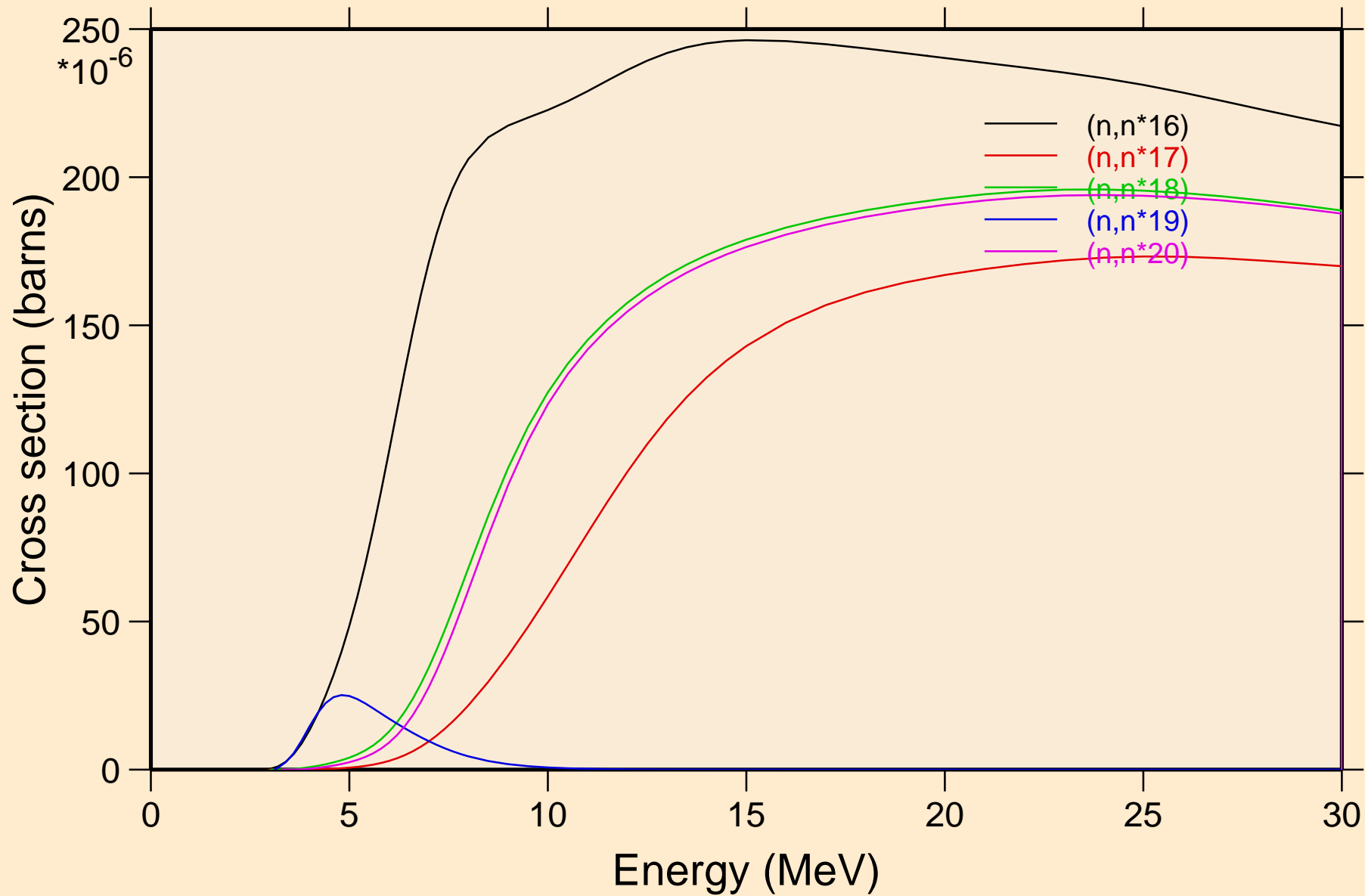
# XE116 NRG TENDL-2015, AKONING

## Inelastic levels



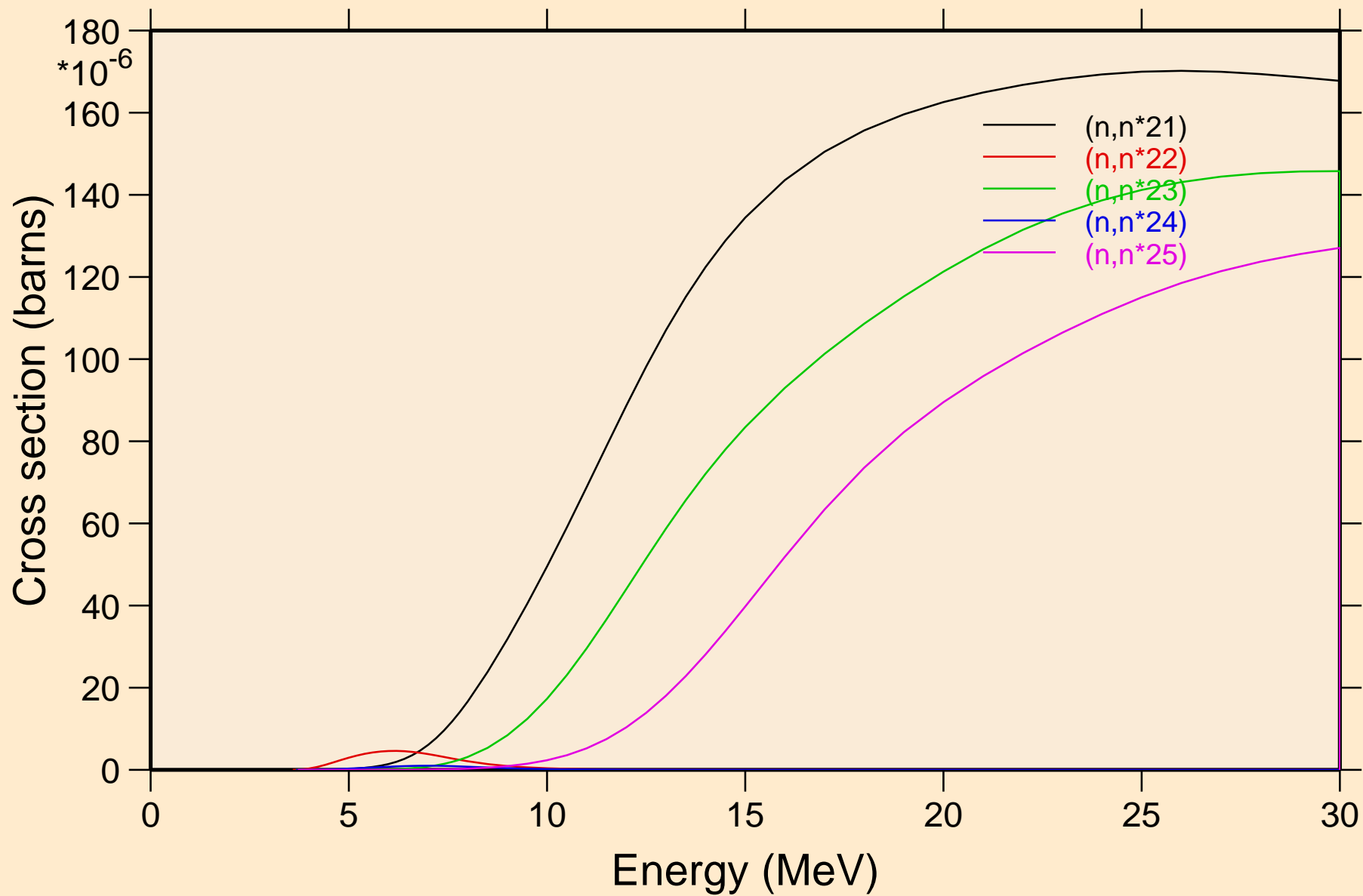
# XE116 NRG TENDL-2015, AKONING

## Inelastic levels



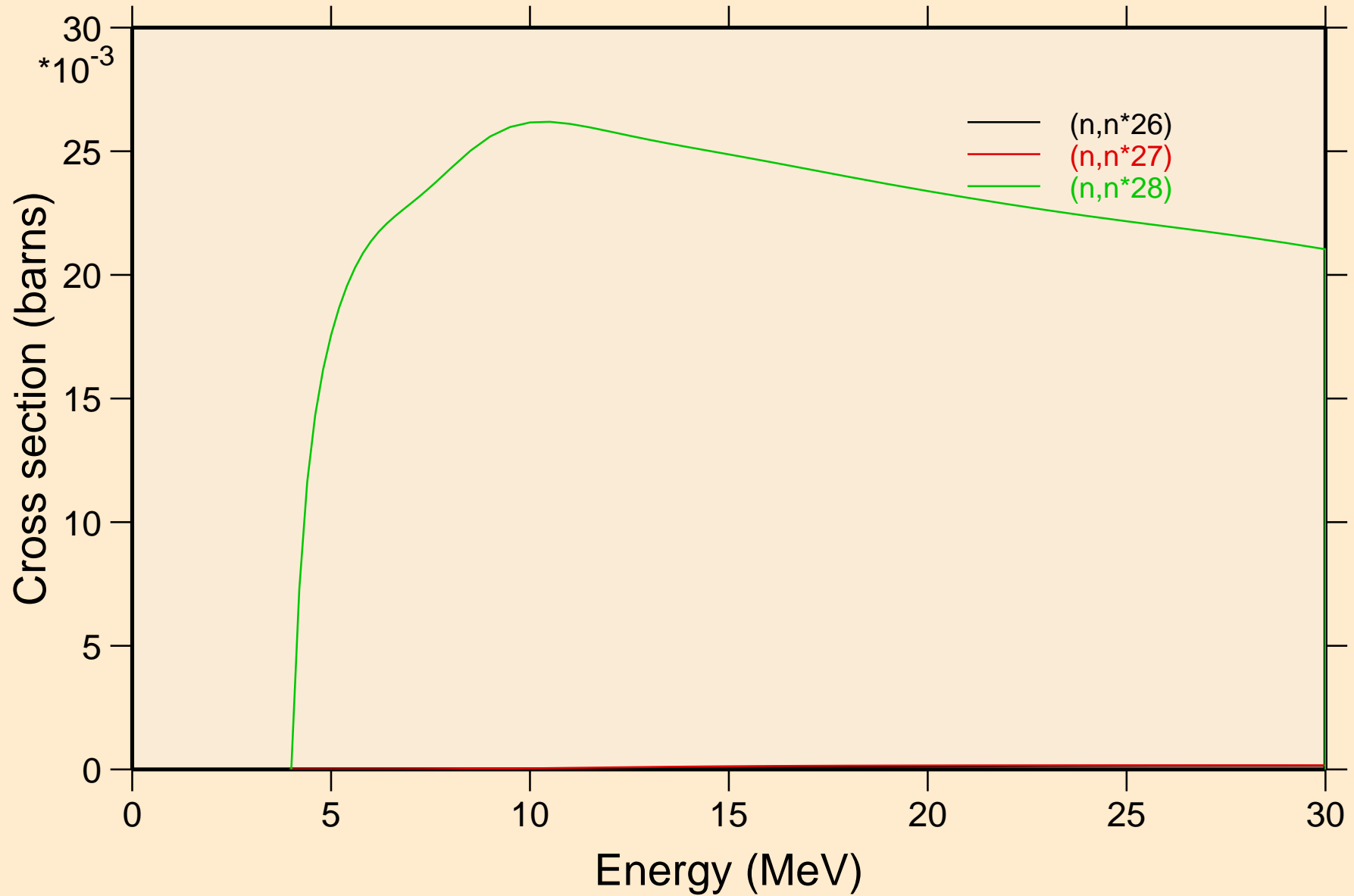
# XE116 NRG TENDL-2015, AKONING

## Inelastic levels



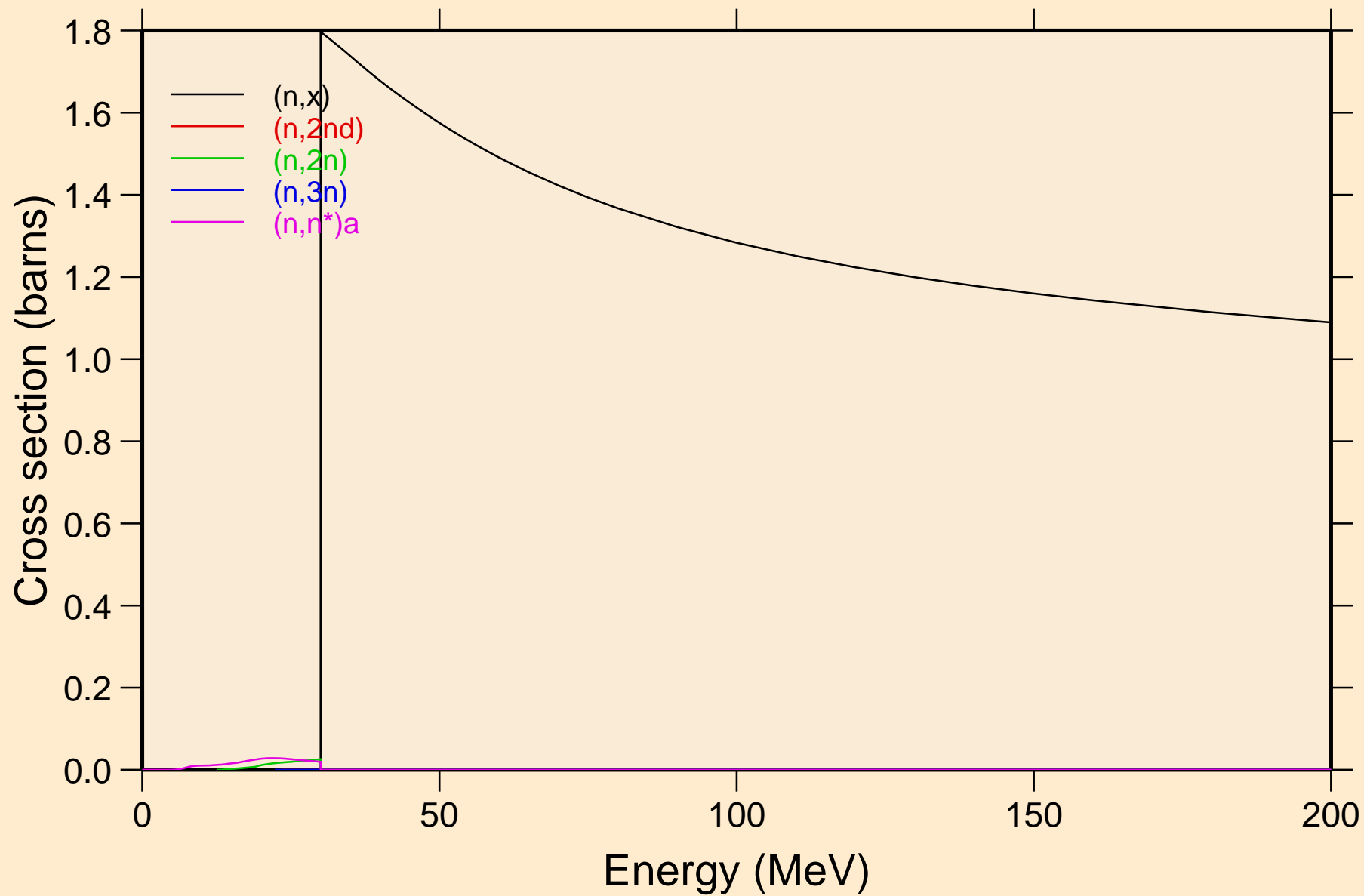
# XE116 NRG TENDL-2015, AKONING

## Inelastic levels



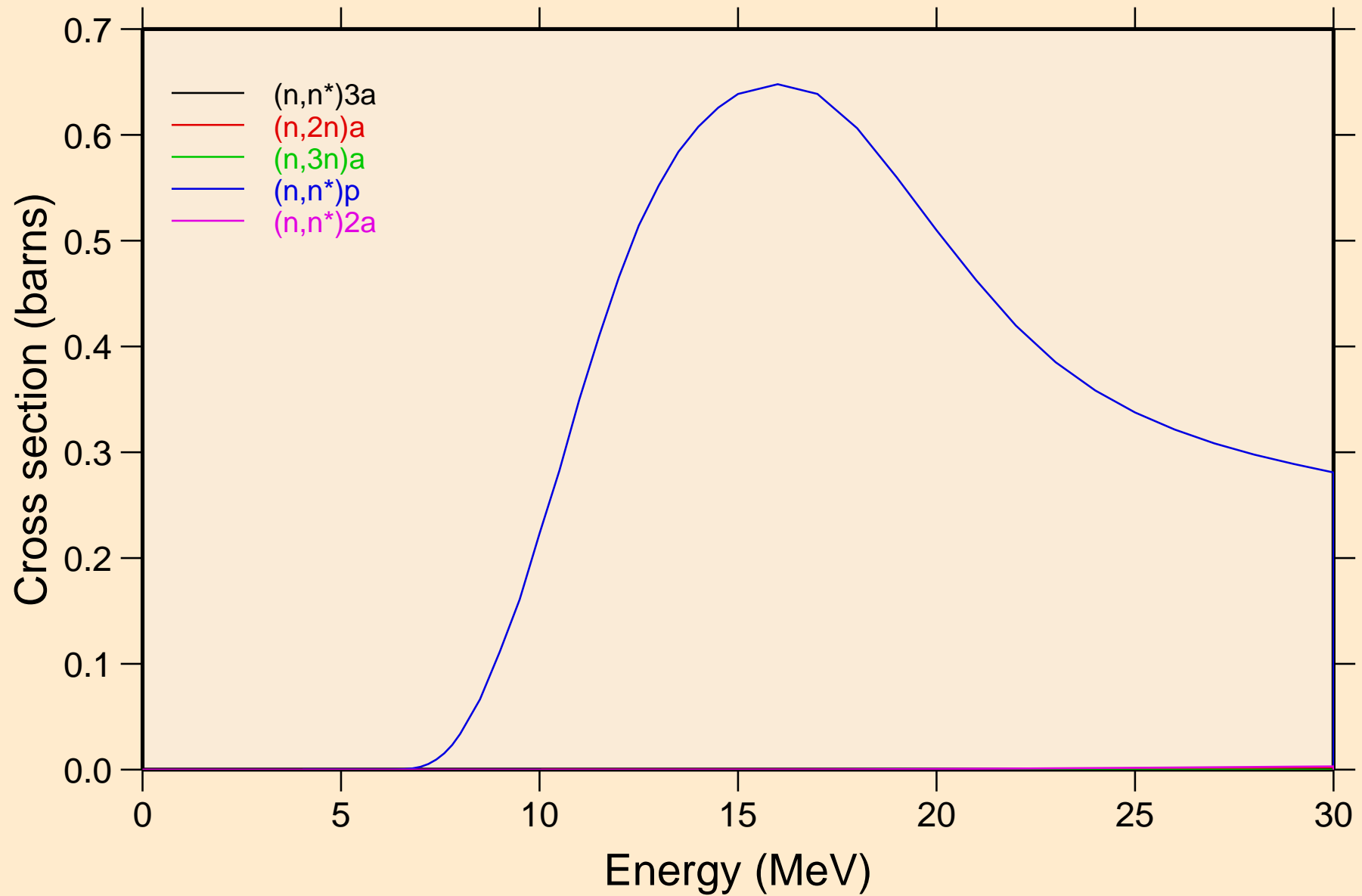
# XE116 NRG TENDL-2015, AKONING

## Threshold reactions



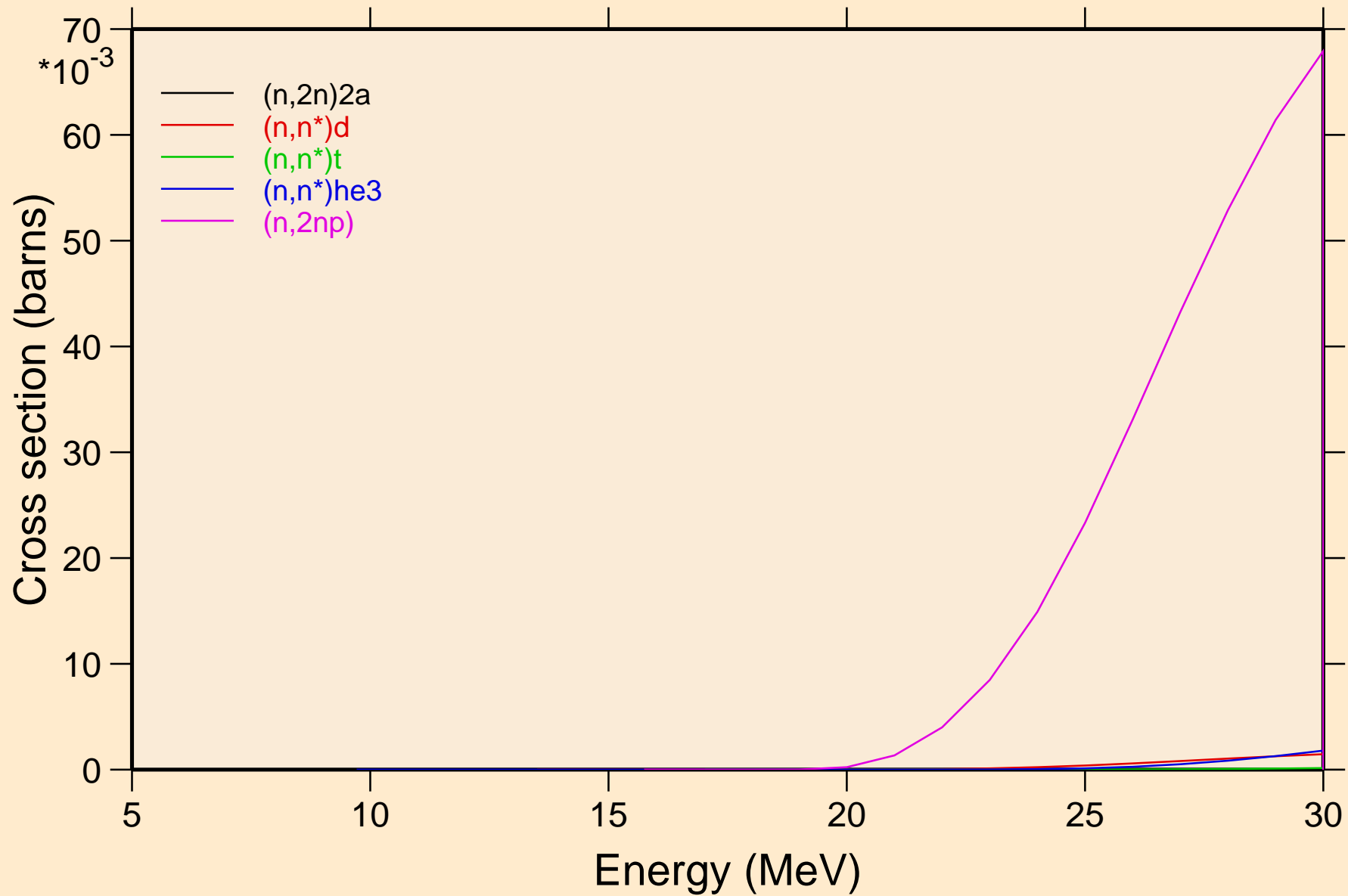
# XE116 NRG TENDL-2015, AKONING

## Threshold reactions



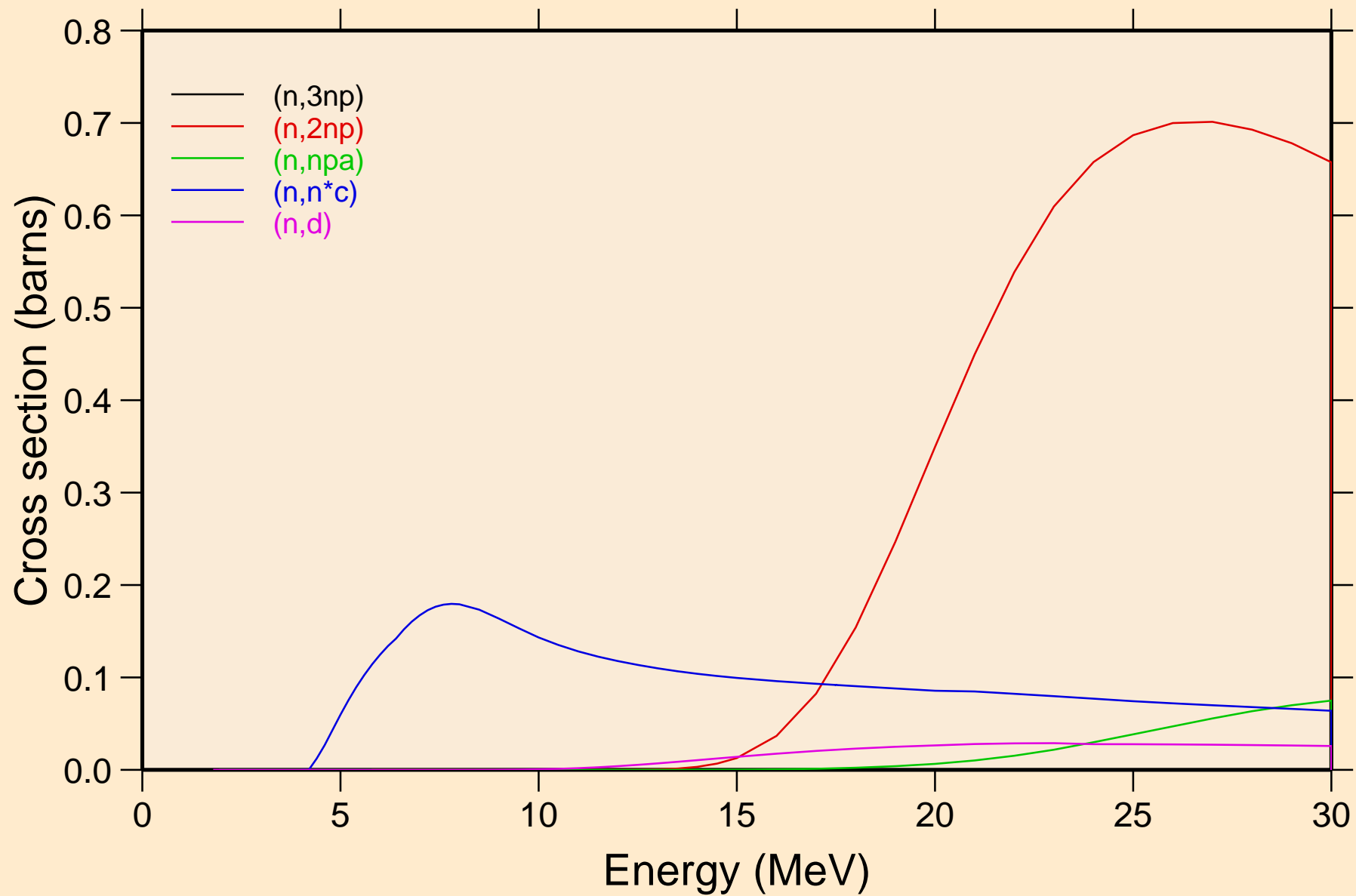
# XE116 NRG TENDL-2015, AKONING

## Threshold reactions



# XE116 NRG TENDL-2015, AKONING

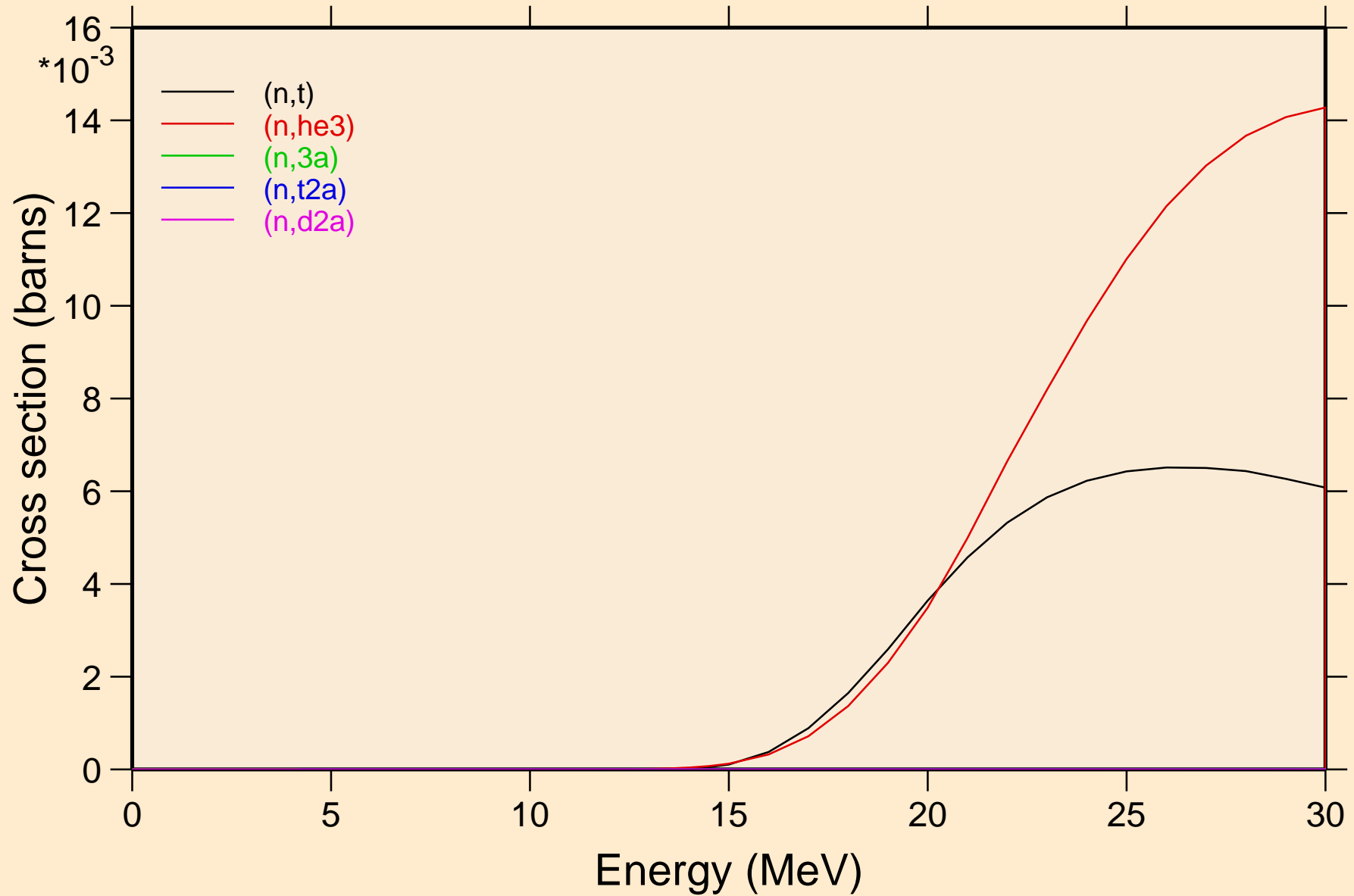
## Threshold reactions





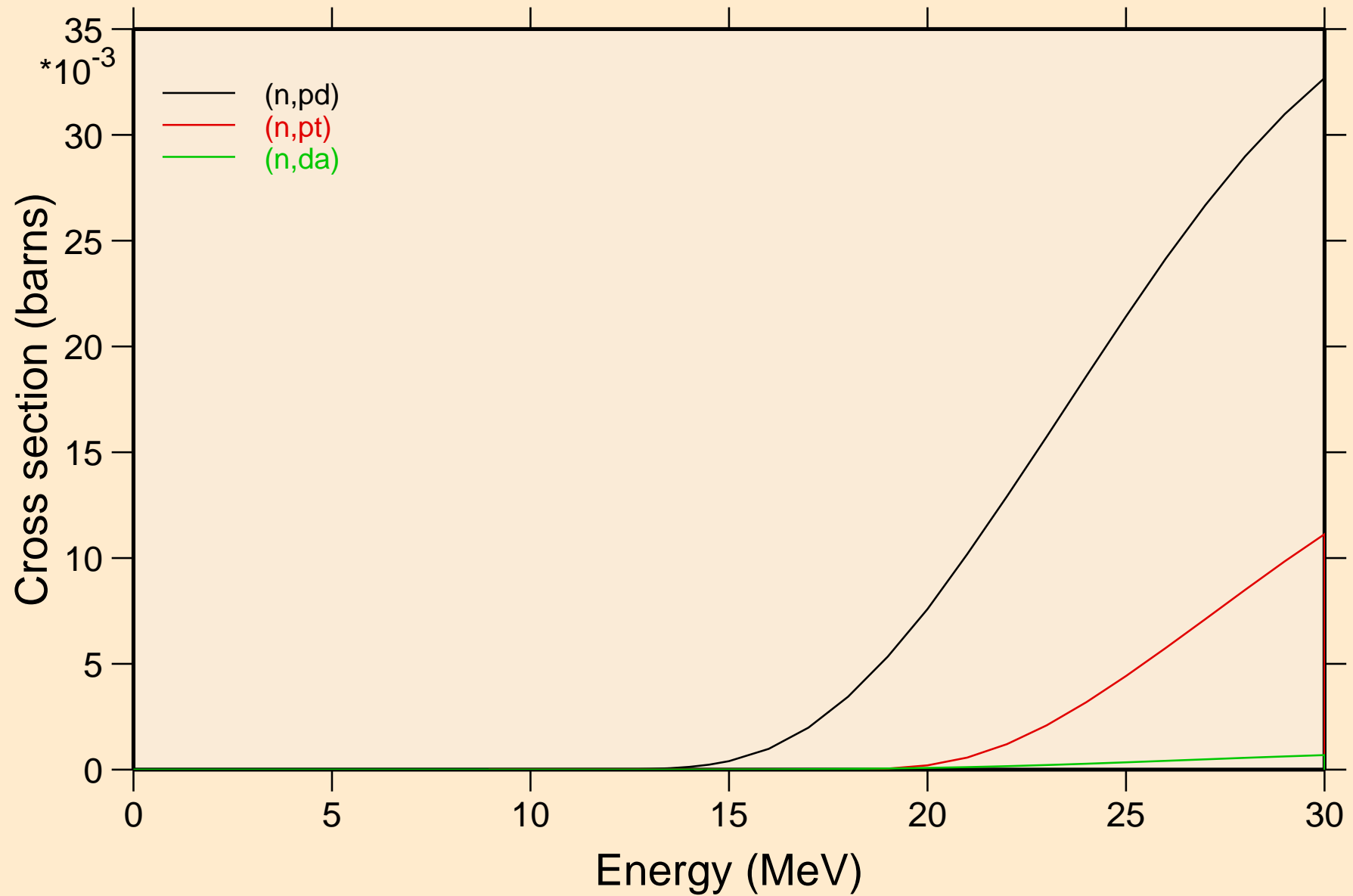
# XE116 NRG TENDL-2015, AKONING

## Threshold reactions

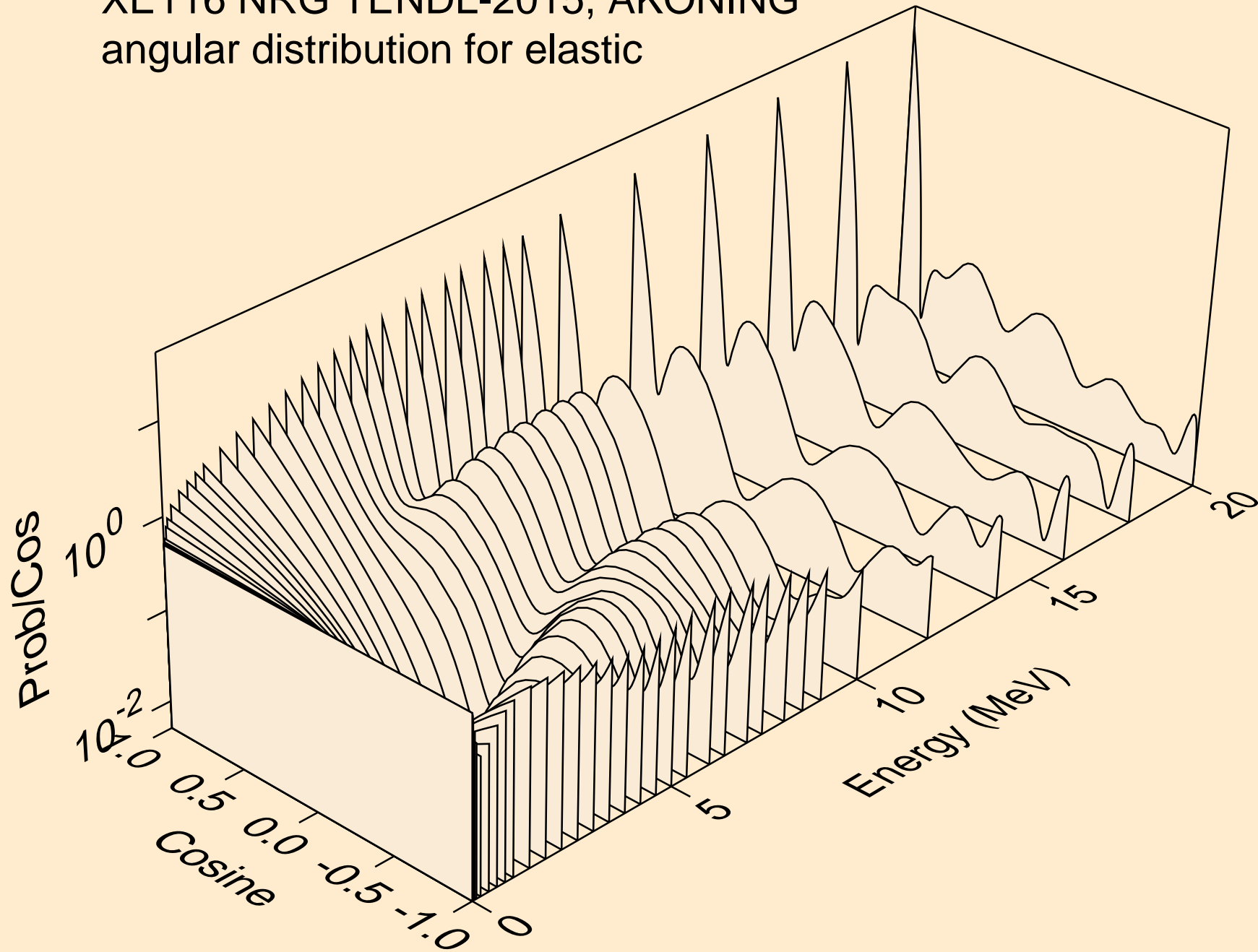


# XE116 NRG TENDL-2015, AKONING

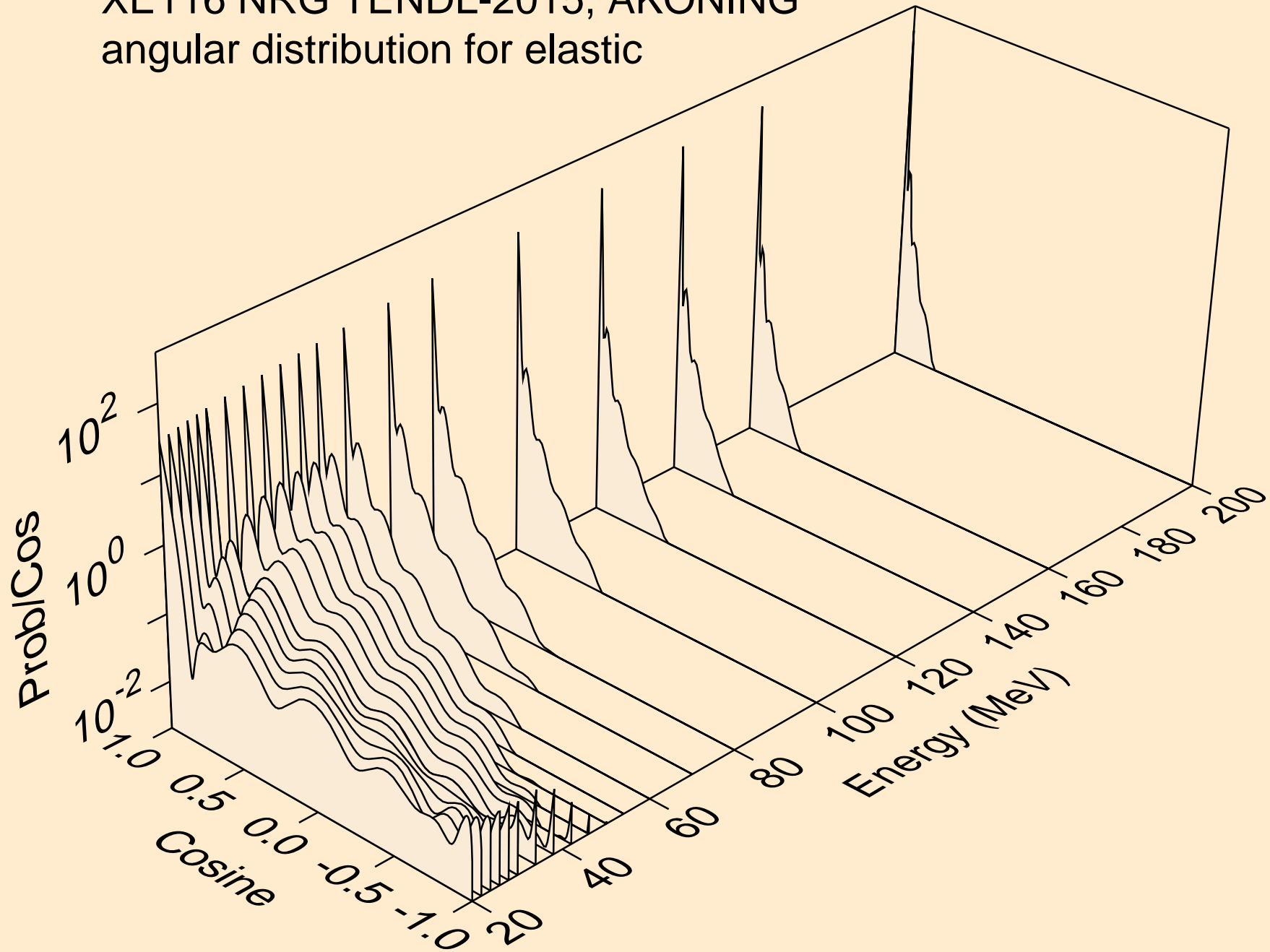
## Threshold reactions



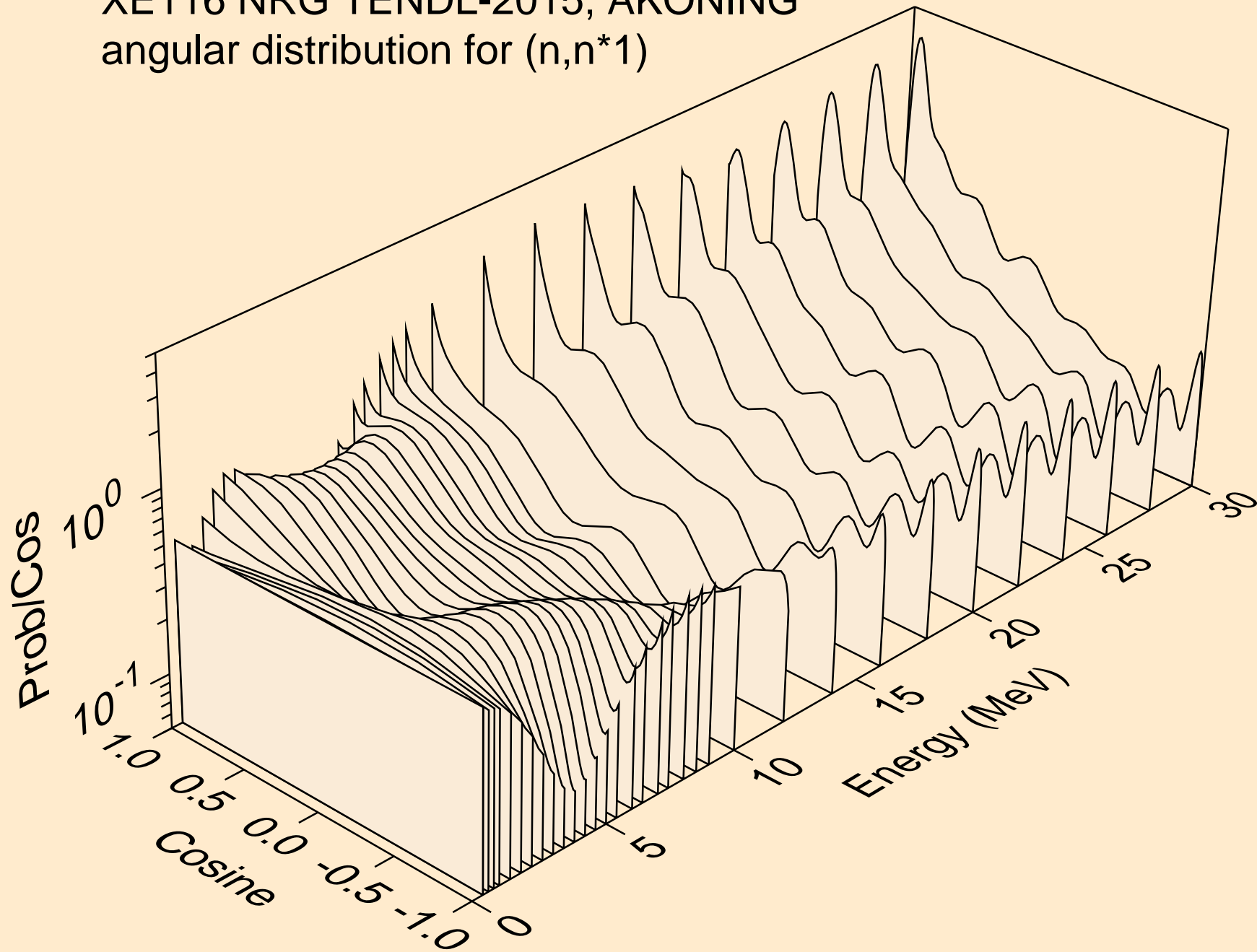
XE116 NRG TENDL-2015, AKONING  
angular distribution for elastic



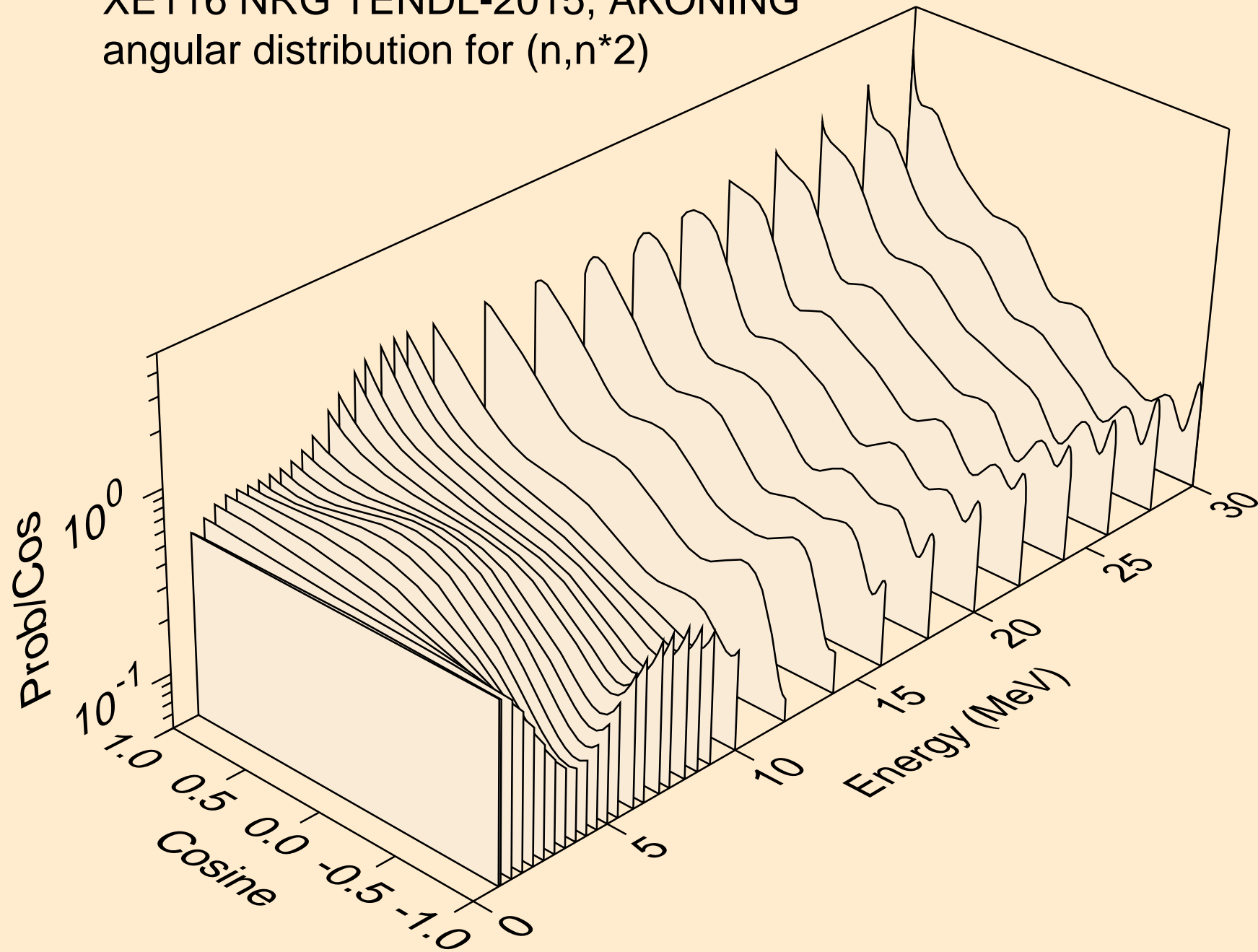
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angular distribution for elastic



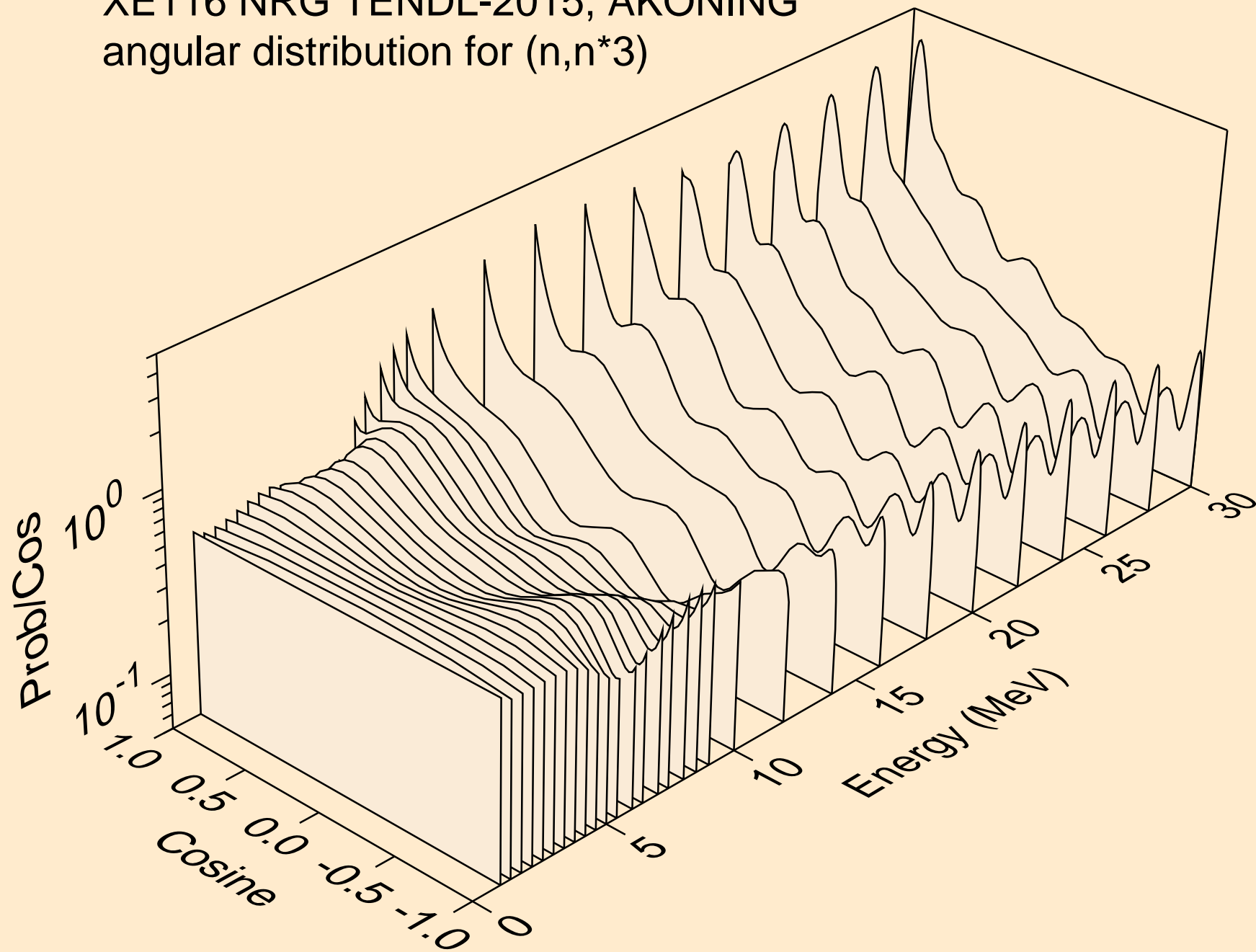
XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



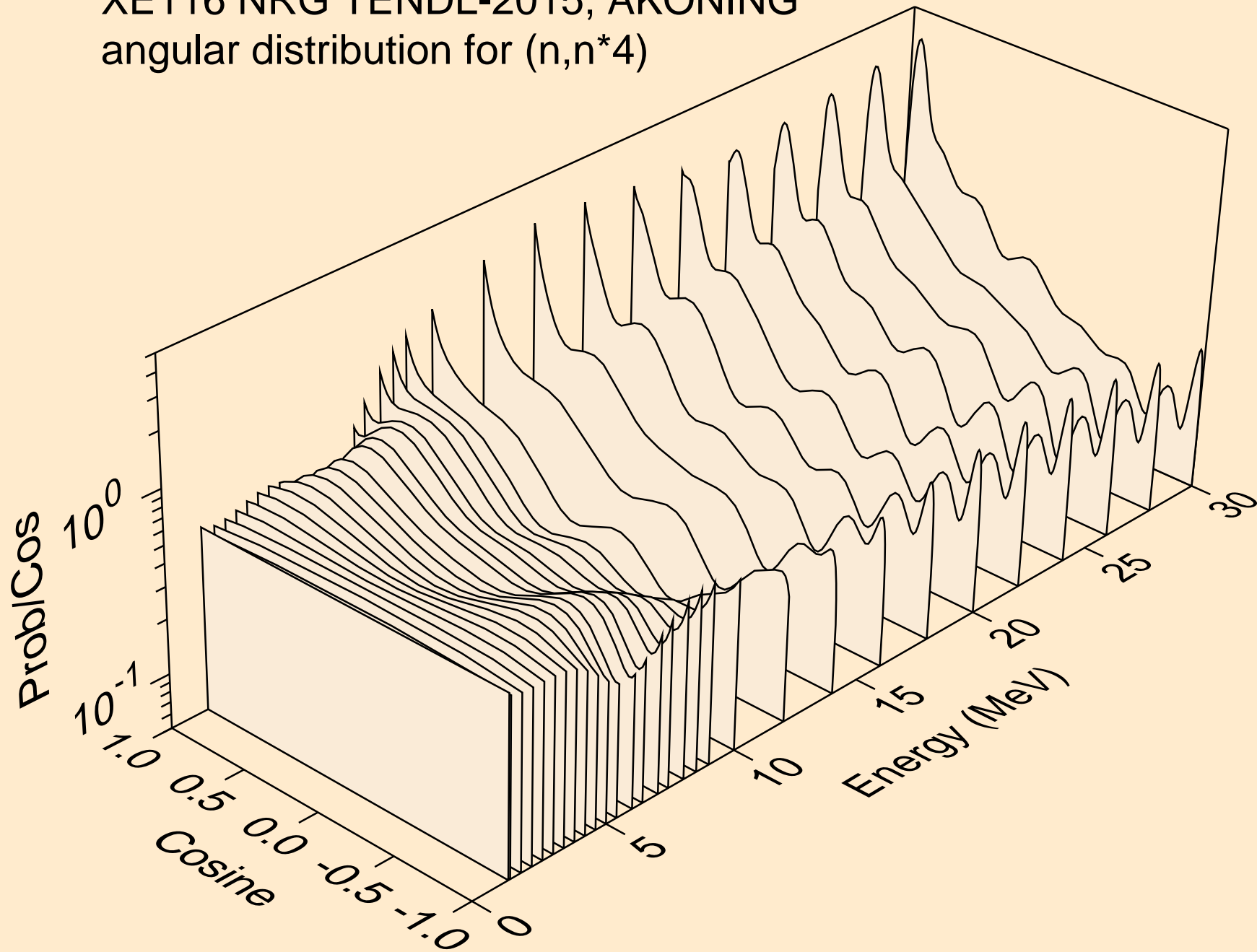
XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)

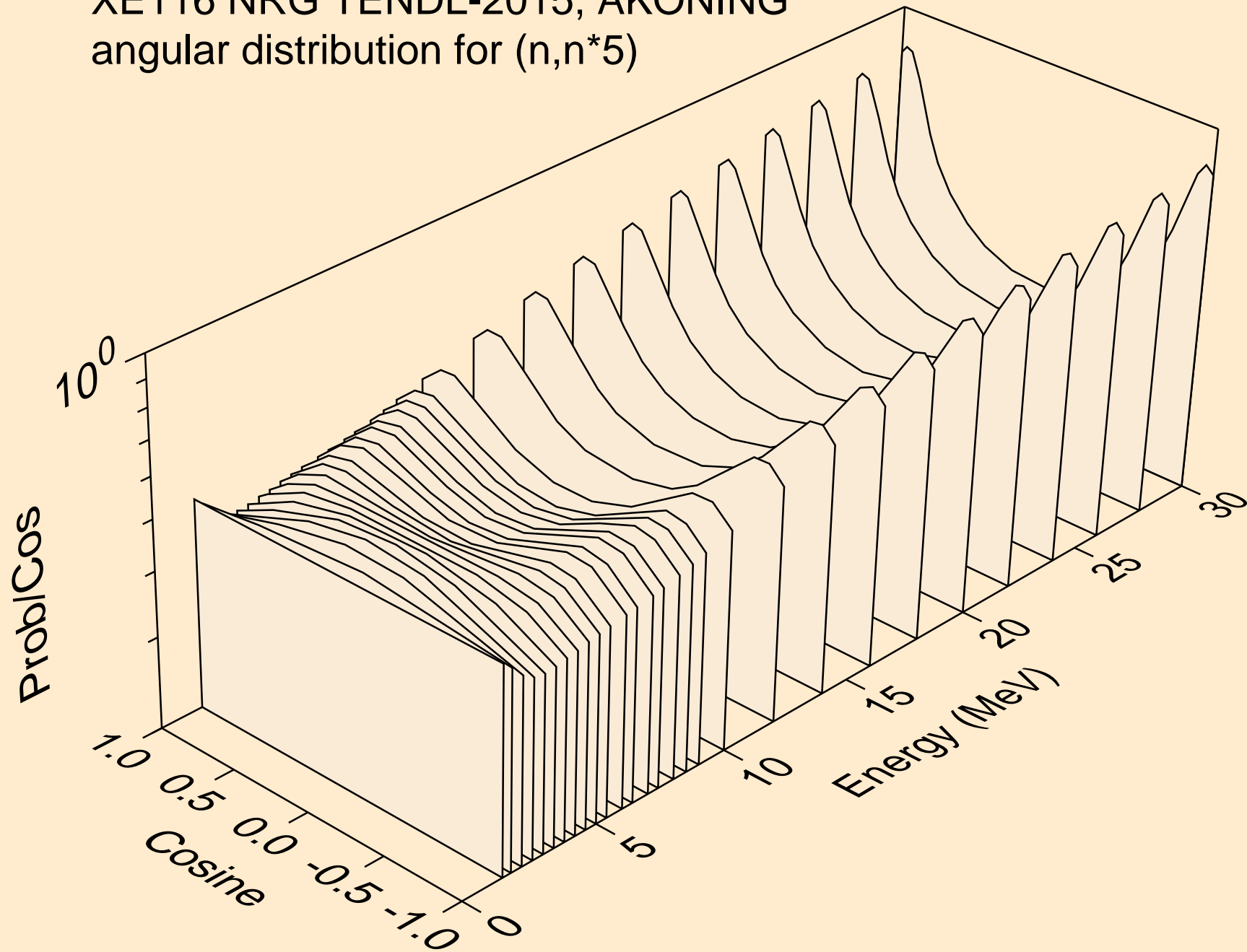


XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)

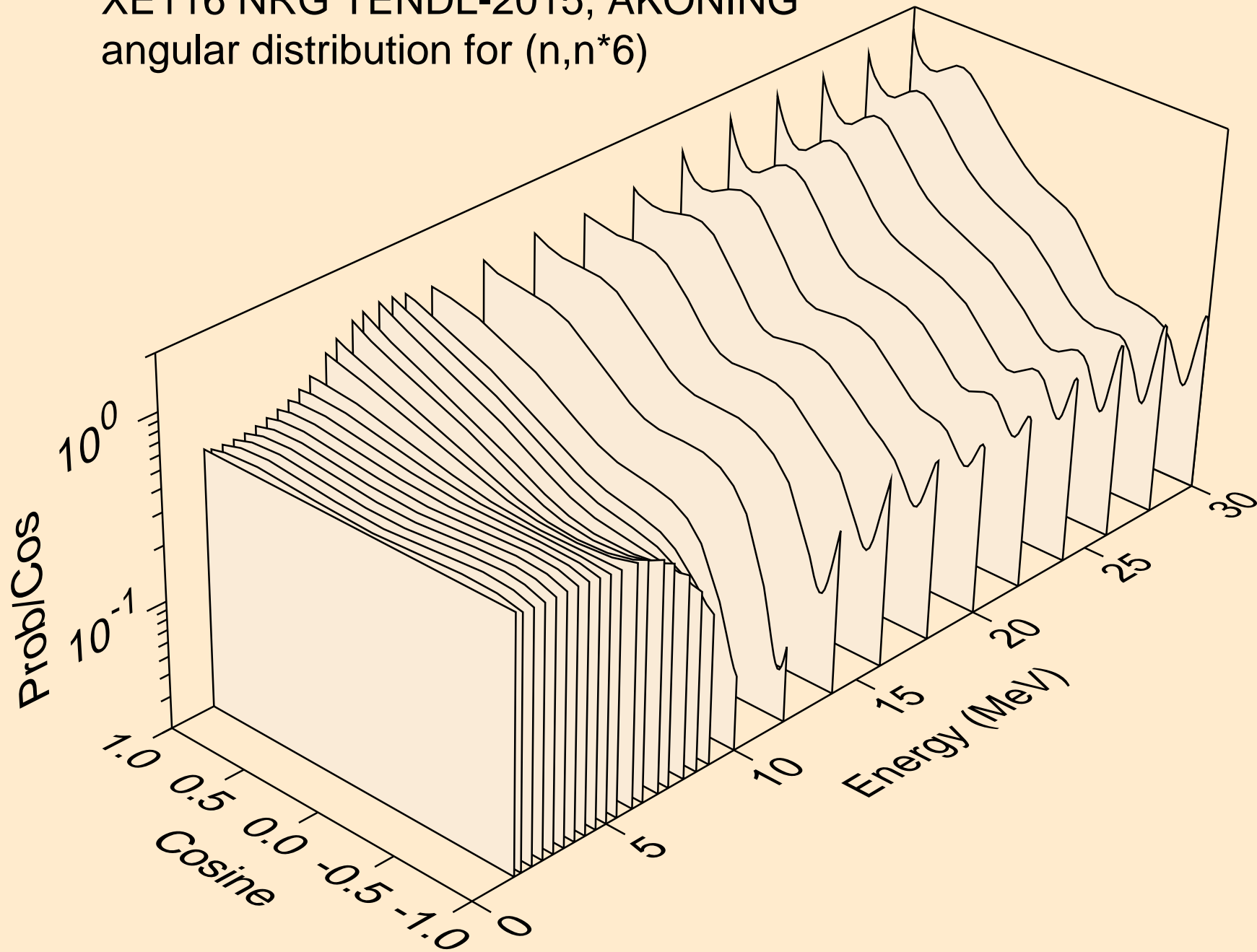




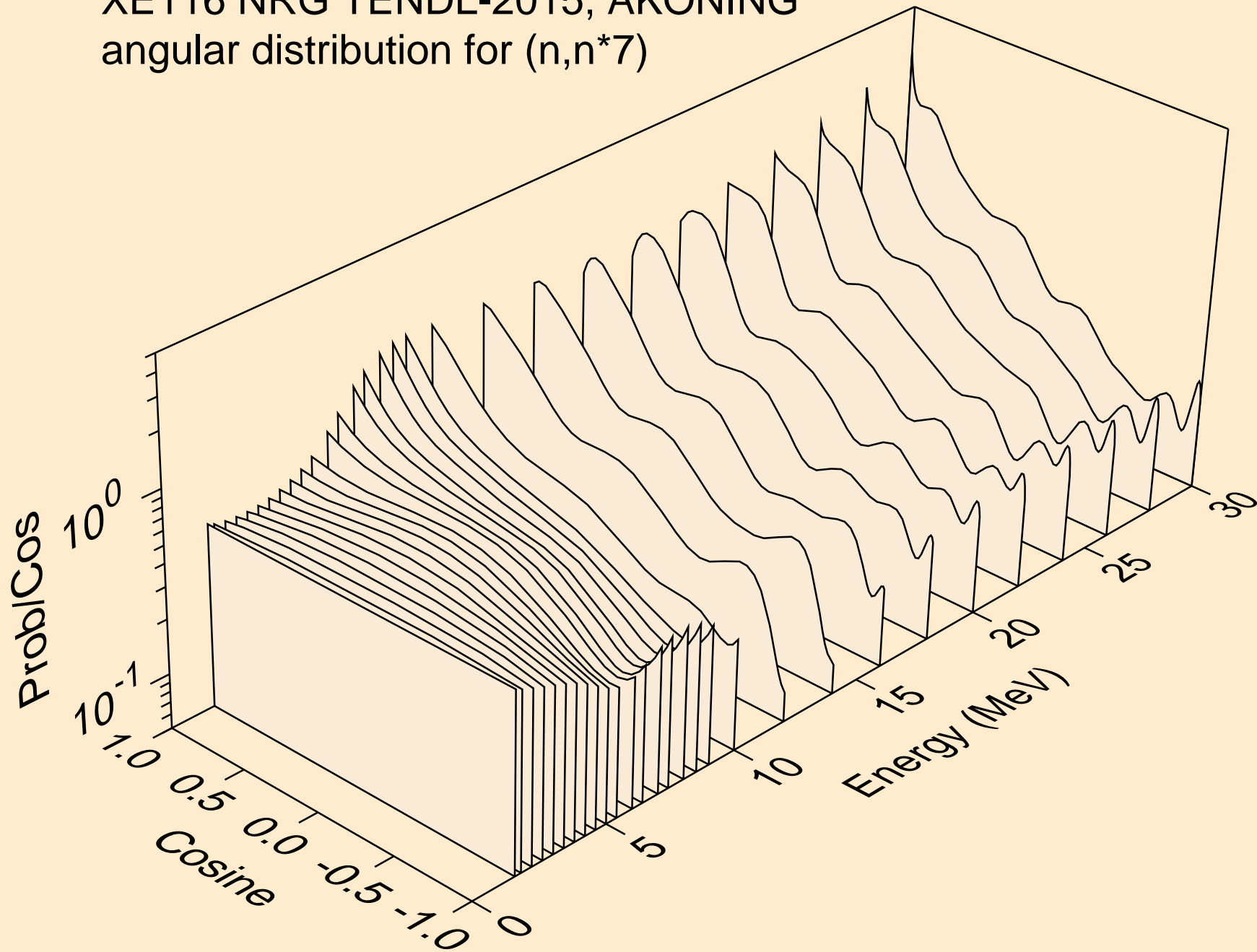
XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



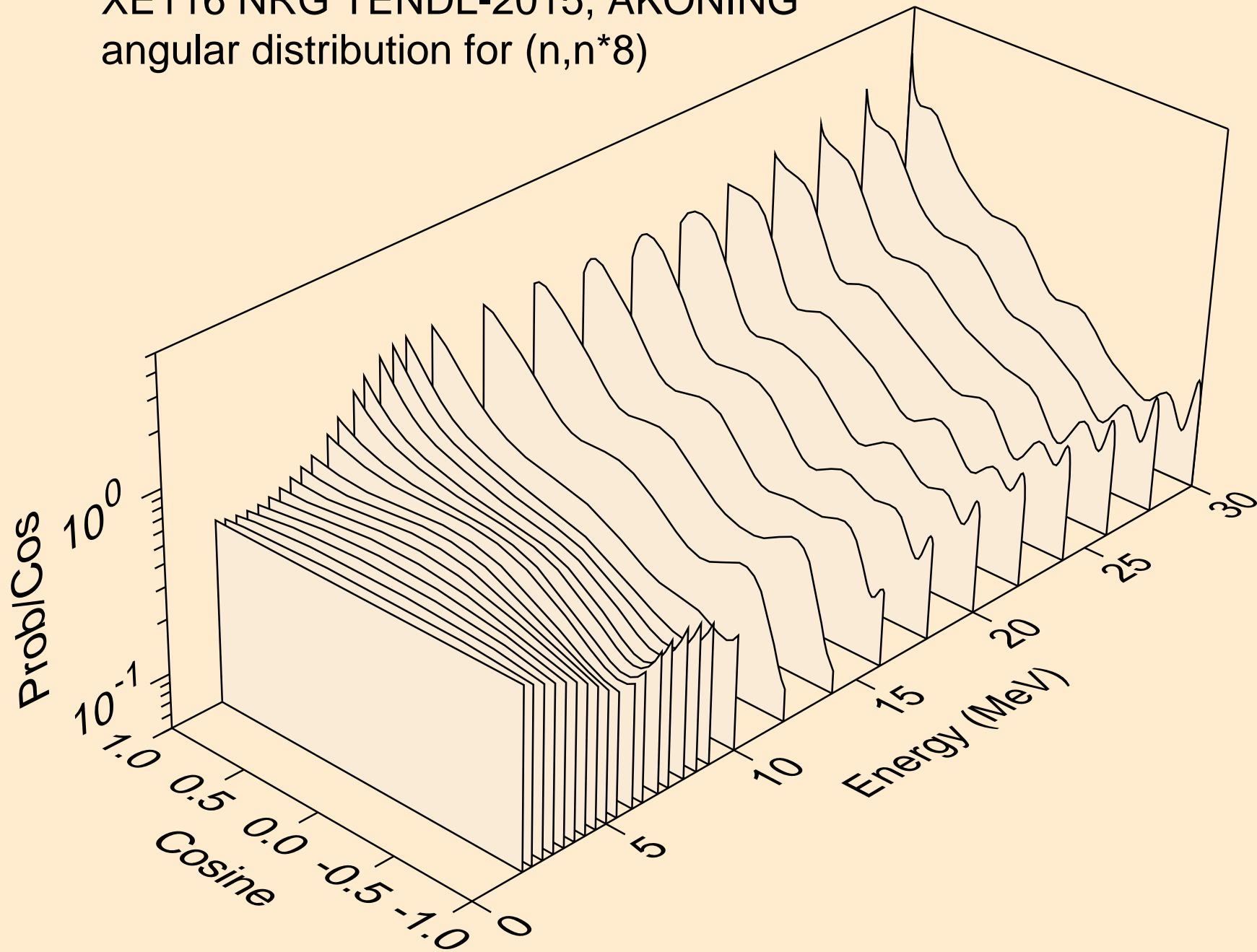
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angular distribution for (n,n\*6)



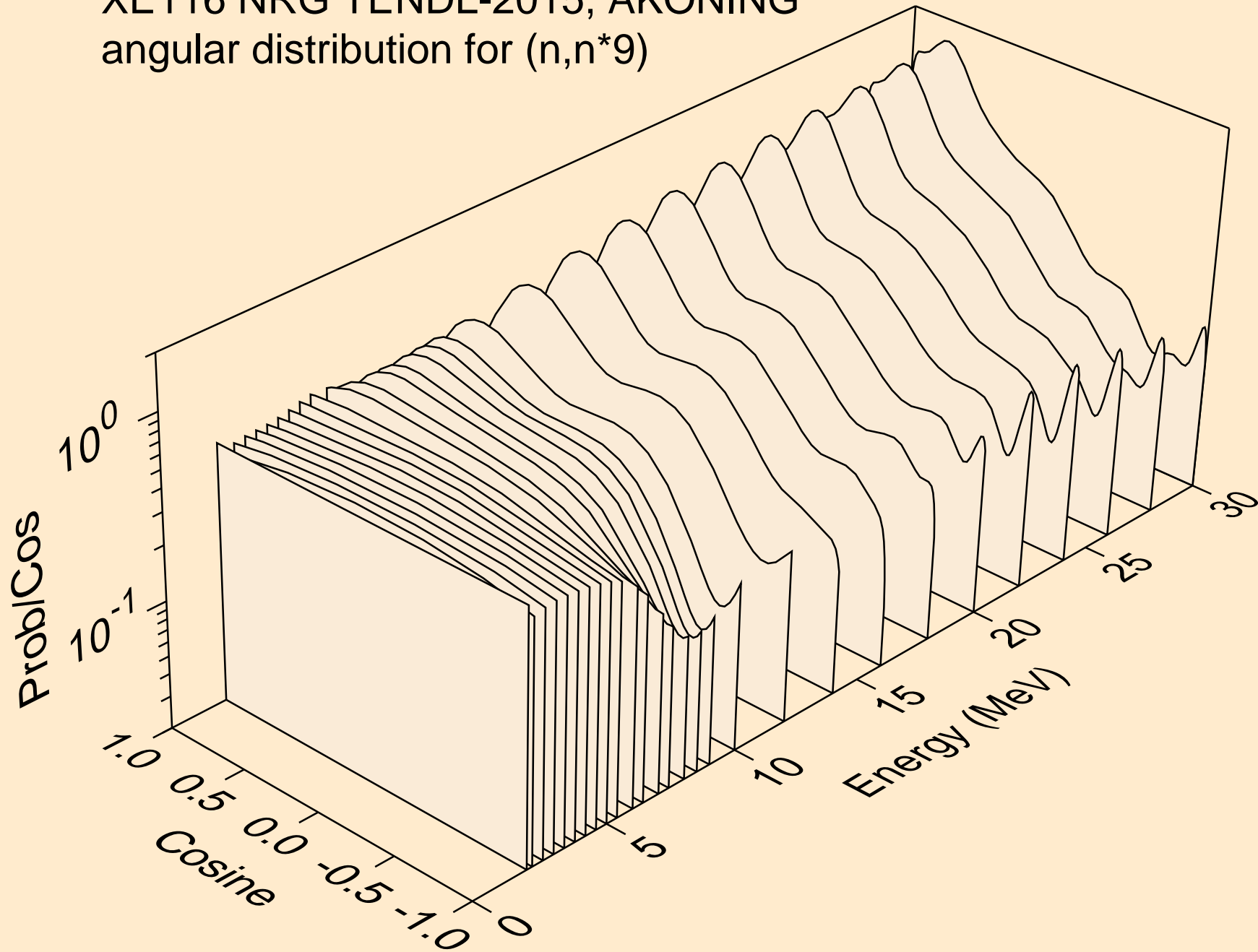
XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



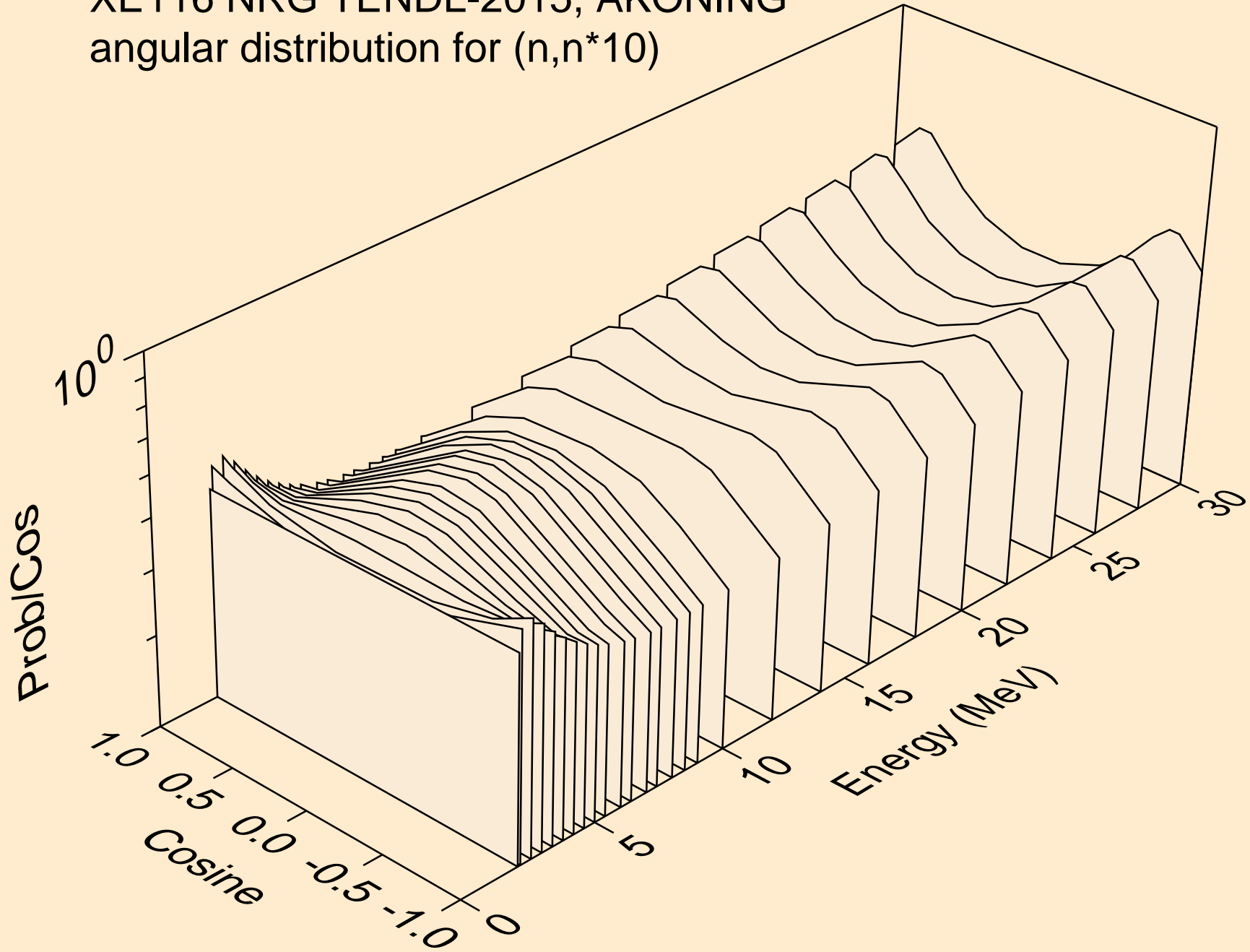
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angular distribution for (n,n\*8)



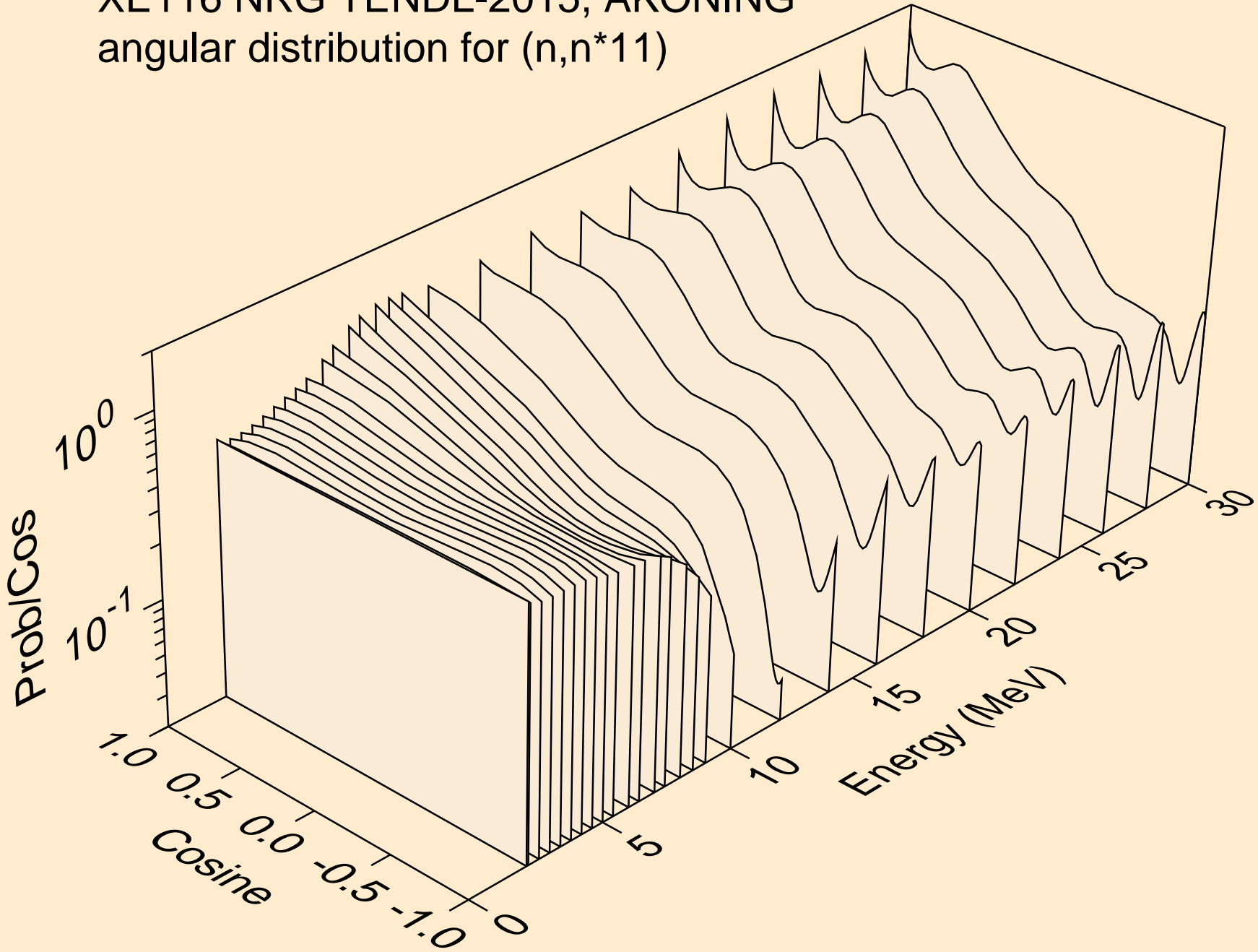
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angular distribution for (n,n\*9)



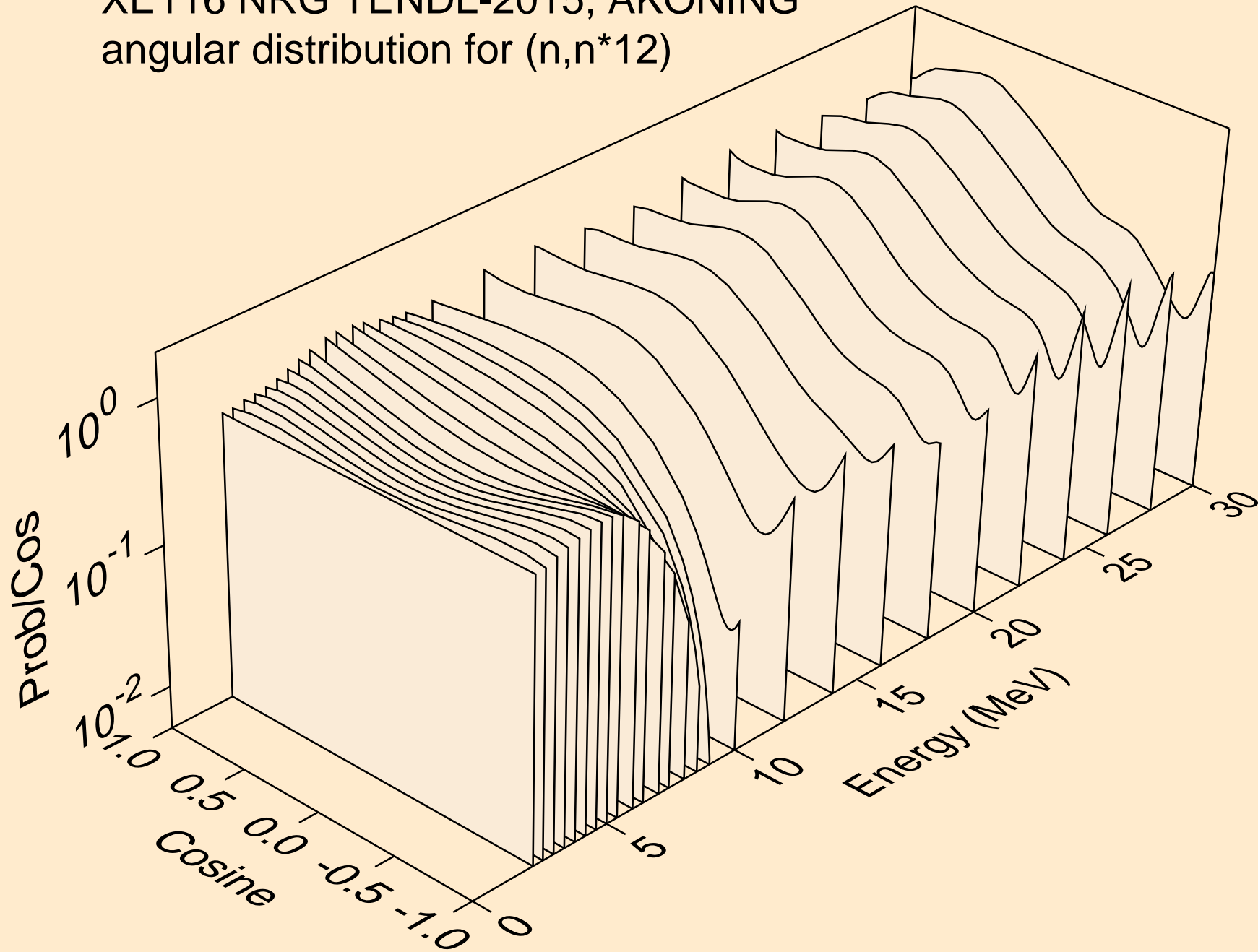
XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)

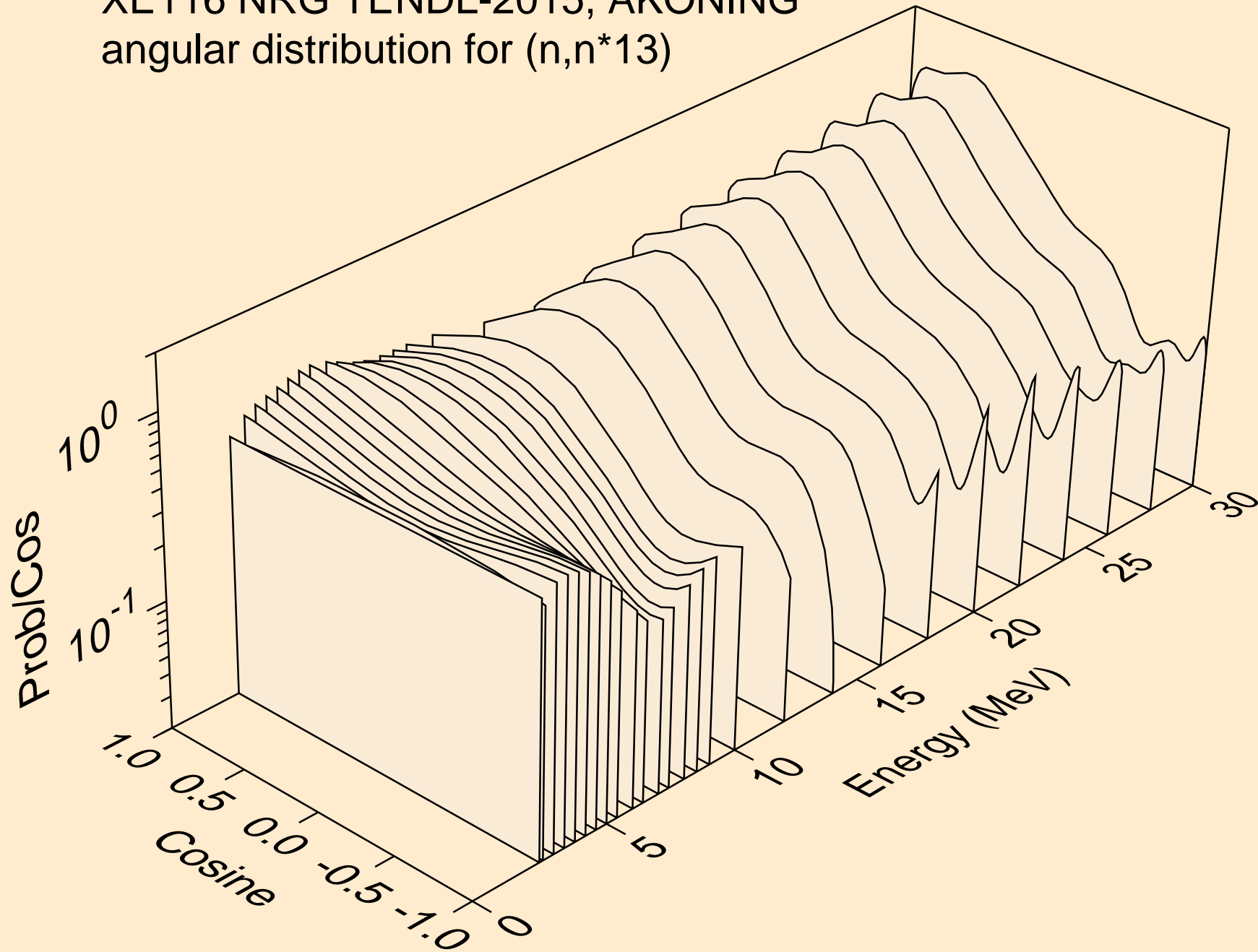


XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)

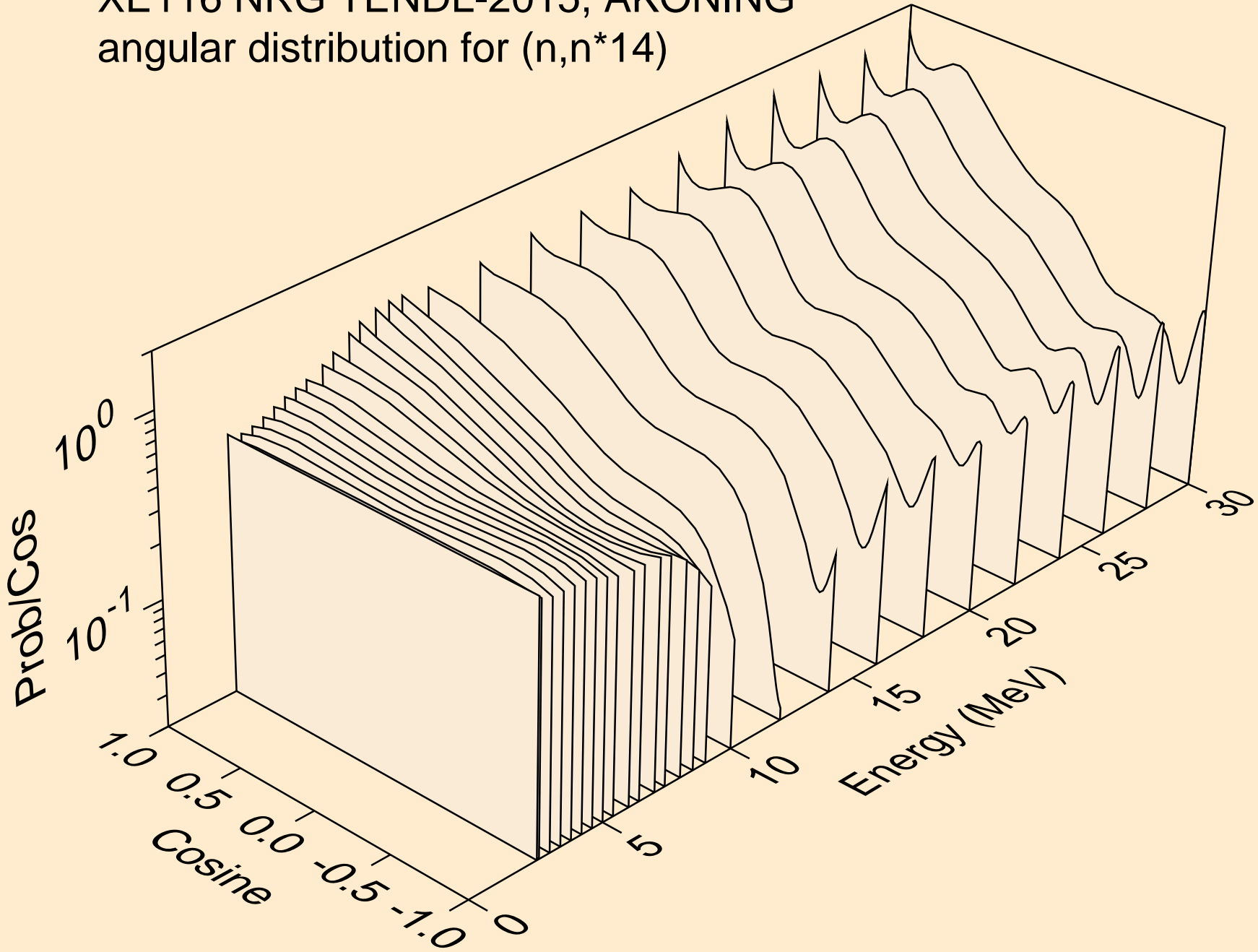




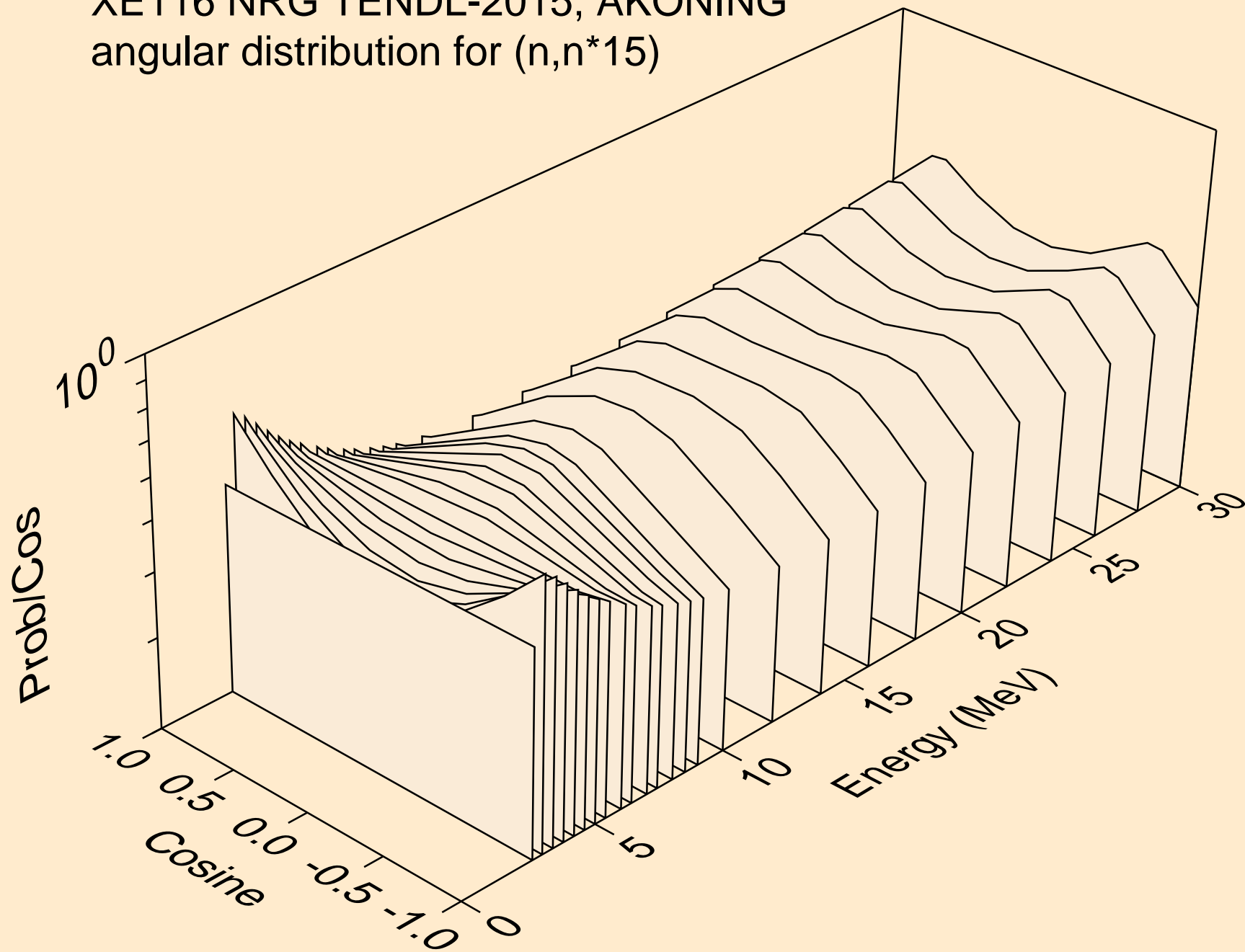
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angular distribution for (n,n\*13)



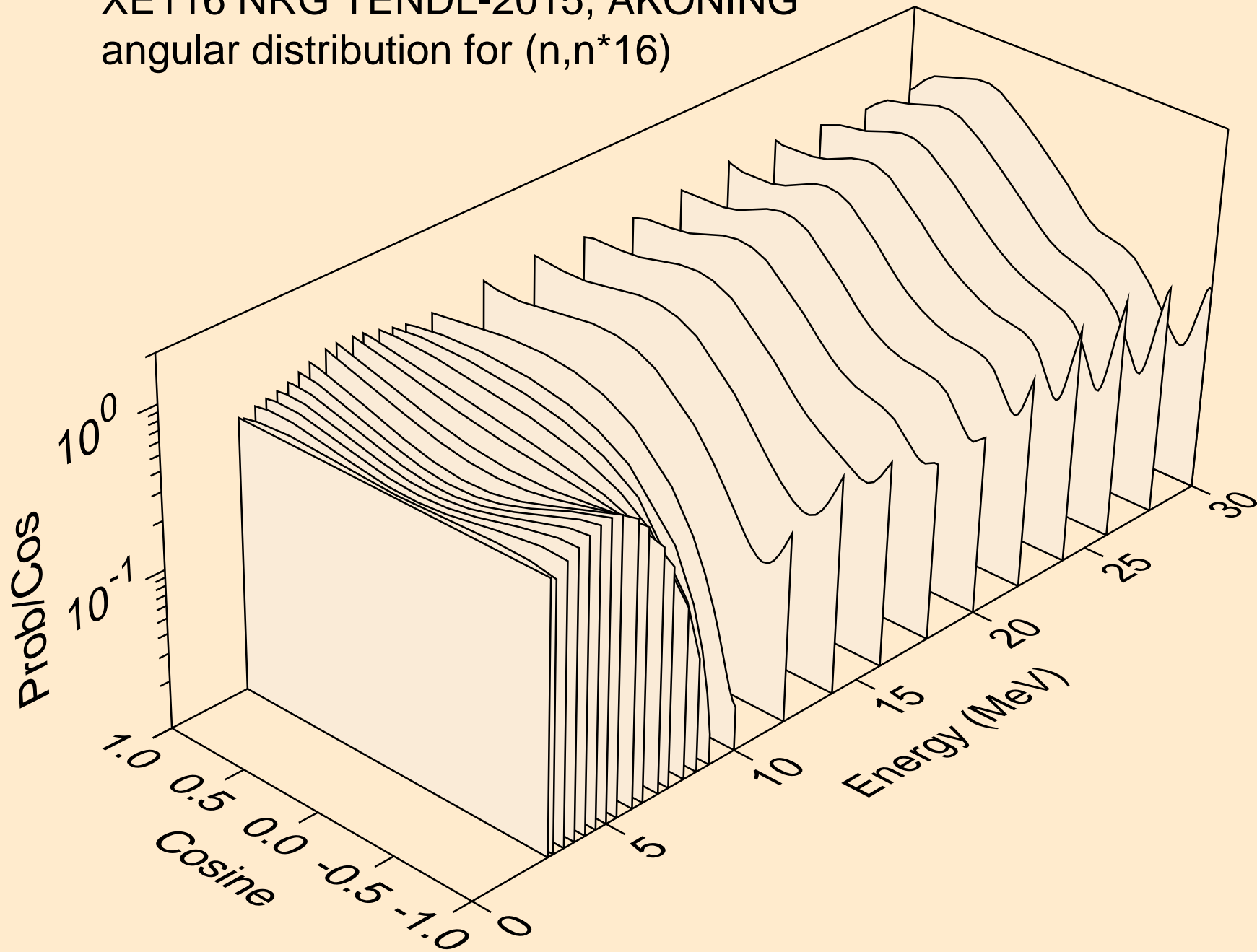
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angular distribution for (n,n\*14)



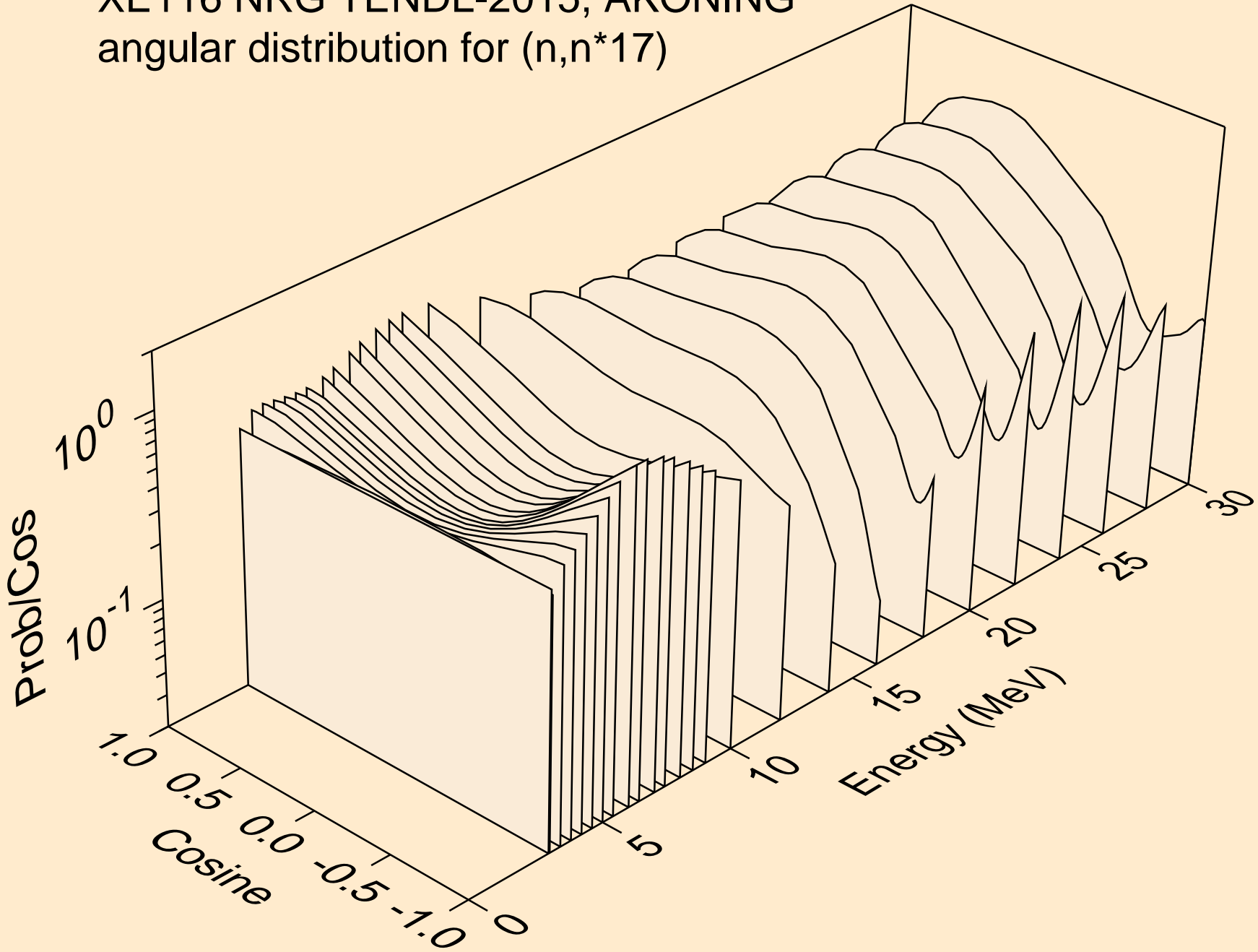
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angular distribution for (n,n\*15)



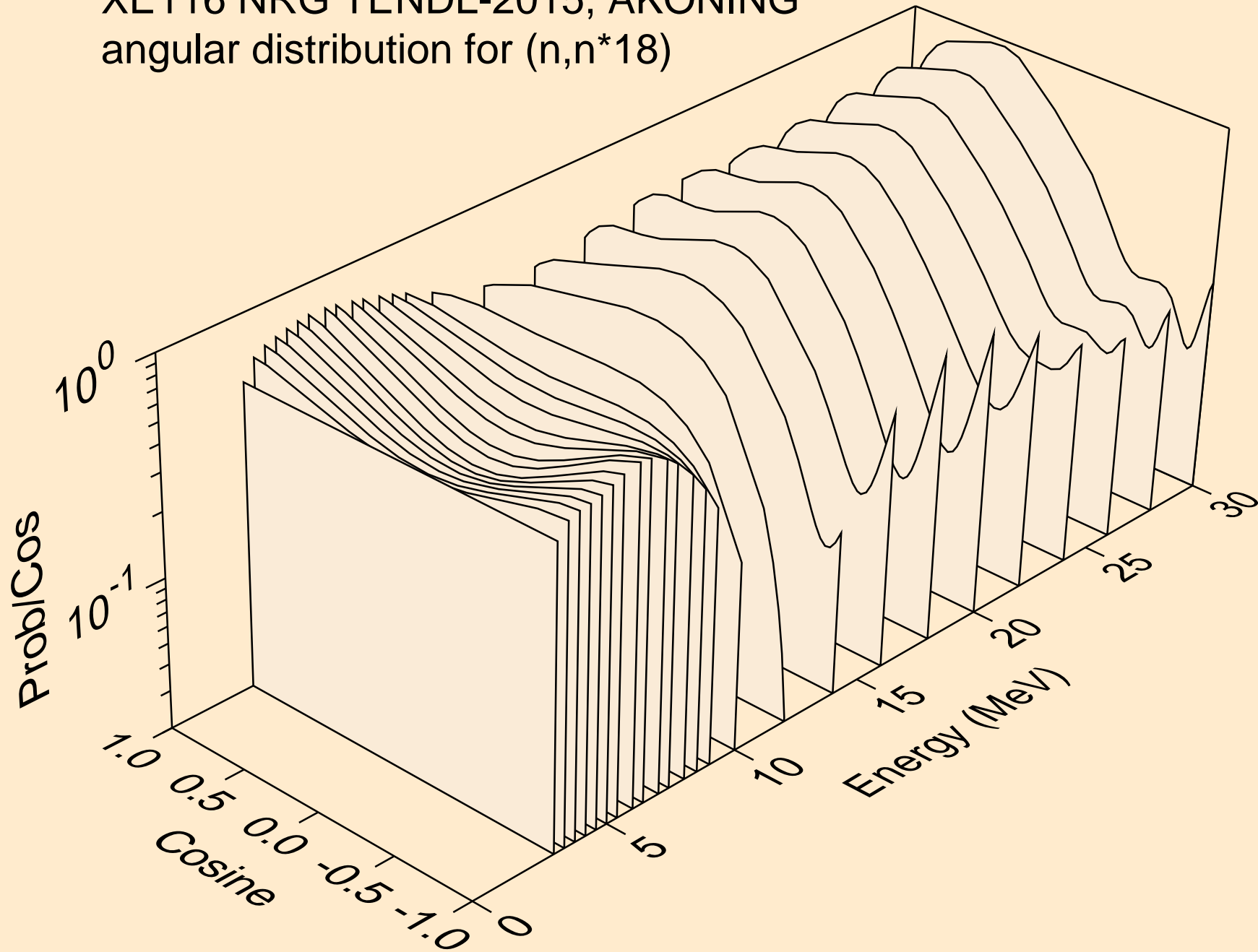
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angular distribution for (n,n\*16)



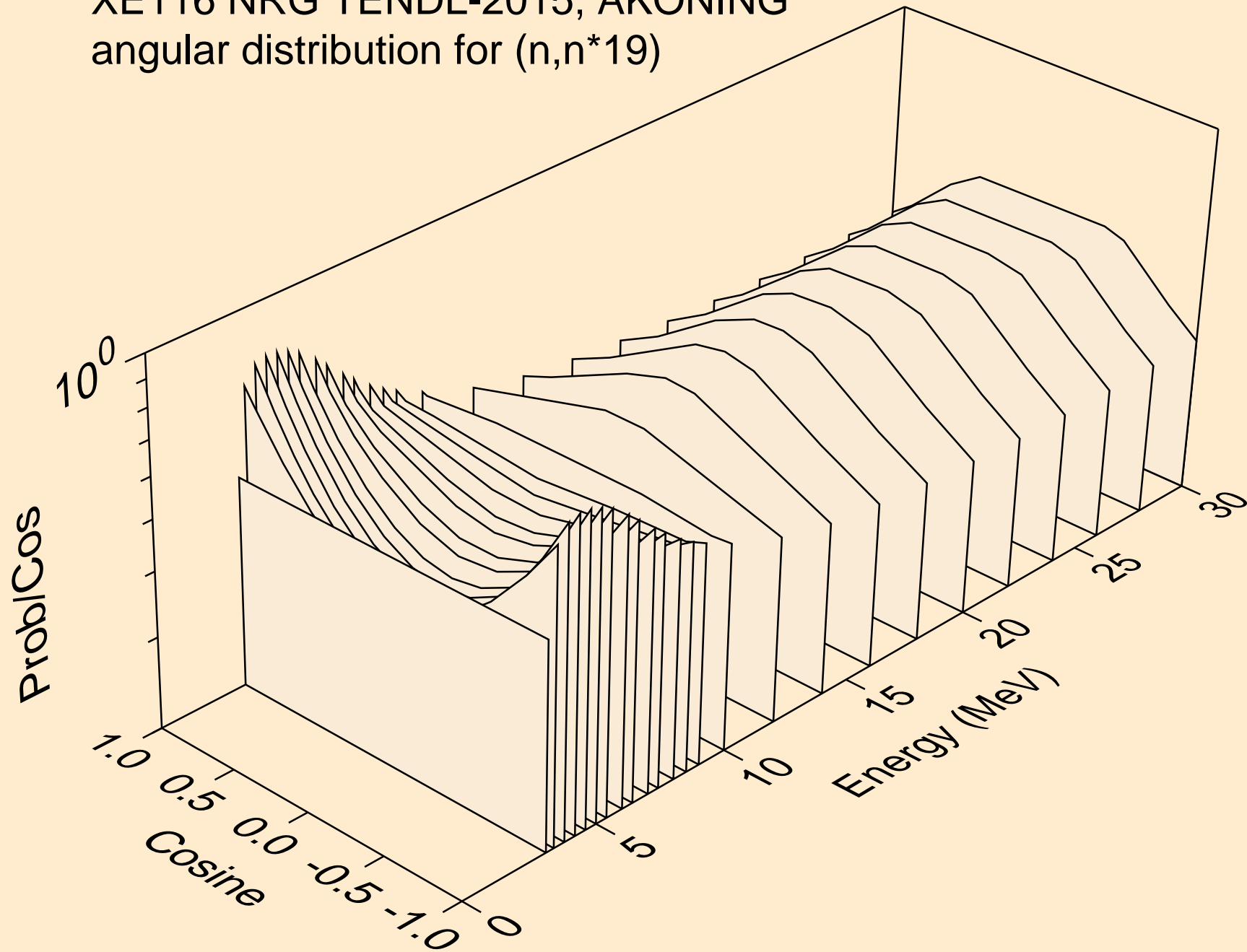
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angular distribution for (n,n\*17)



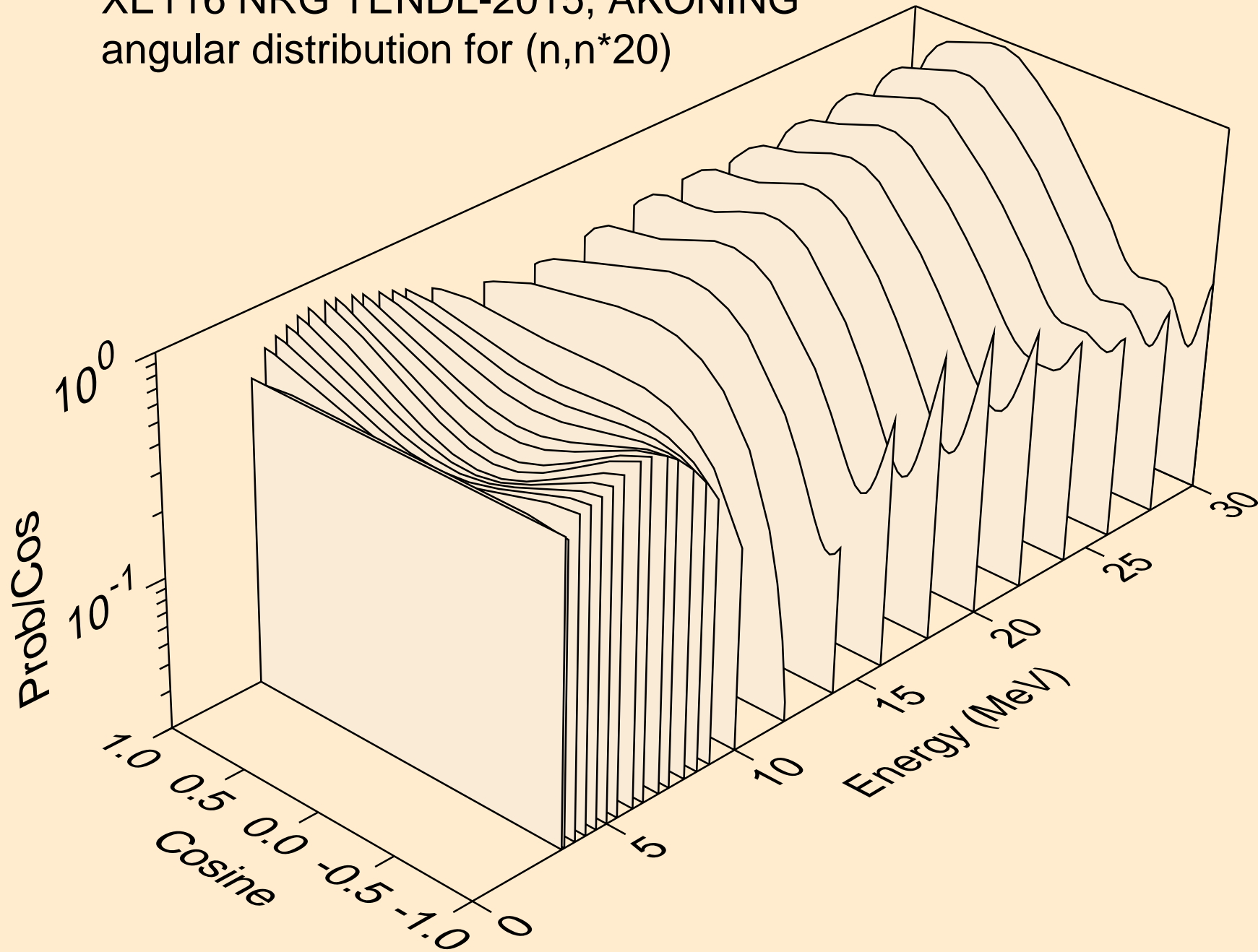
XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)

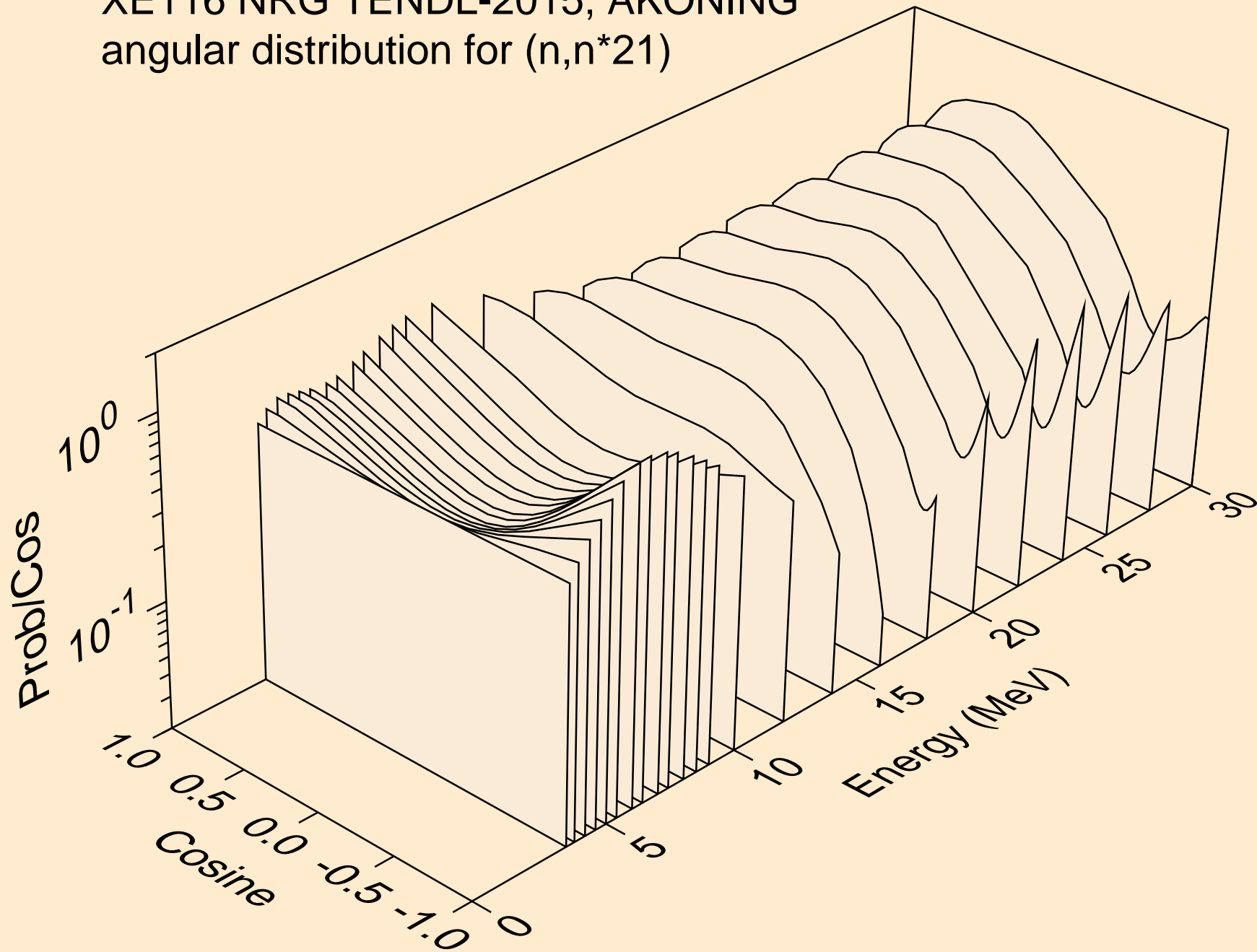


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angular distribution for (n,n\*20)

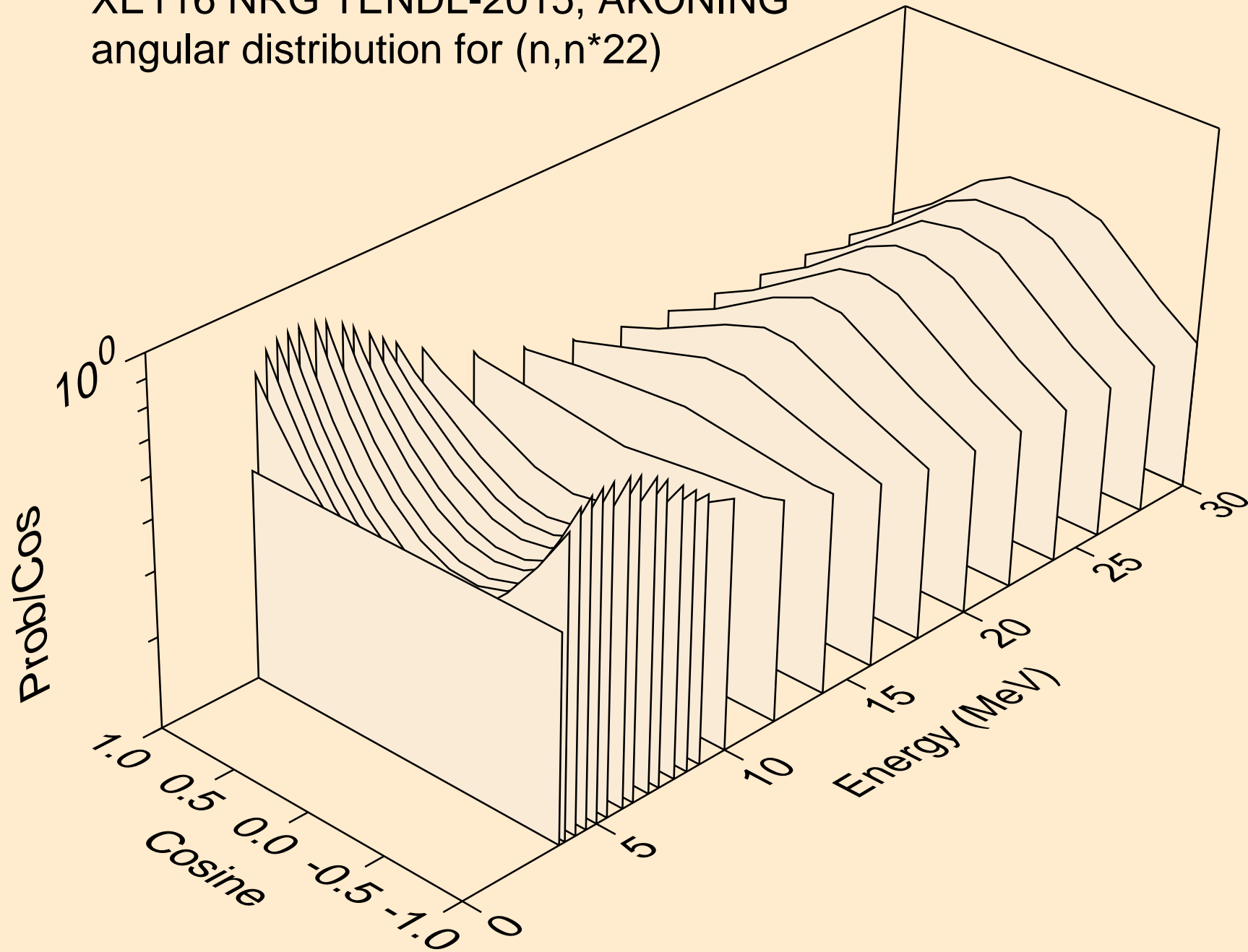




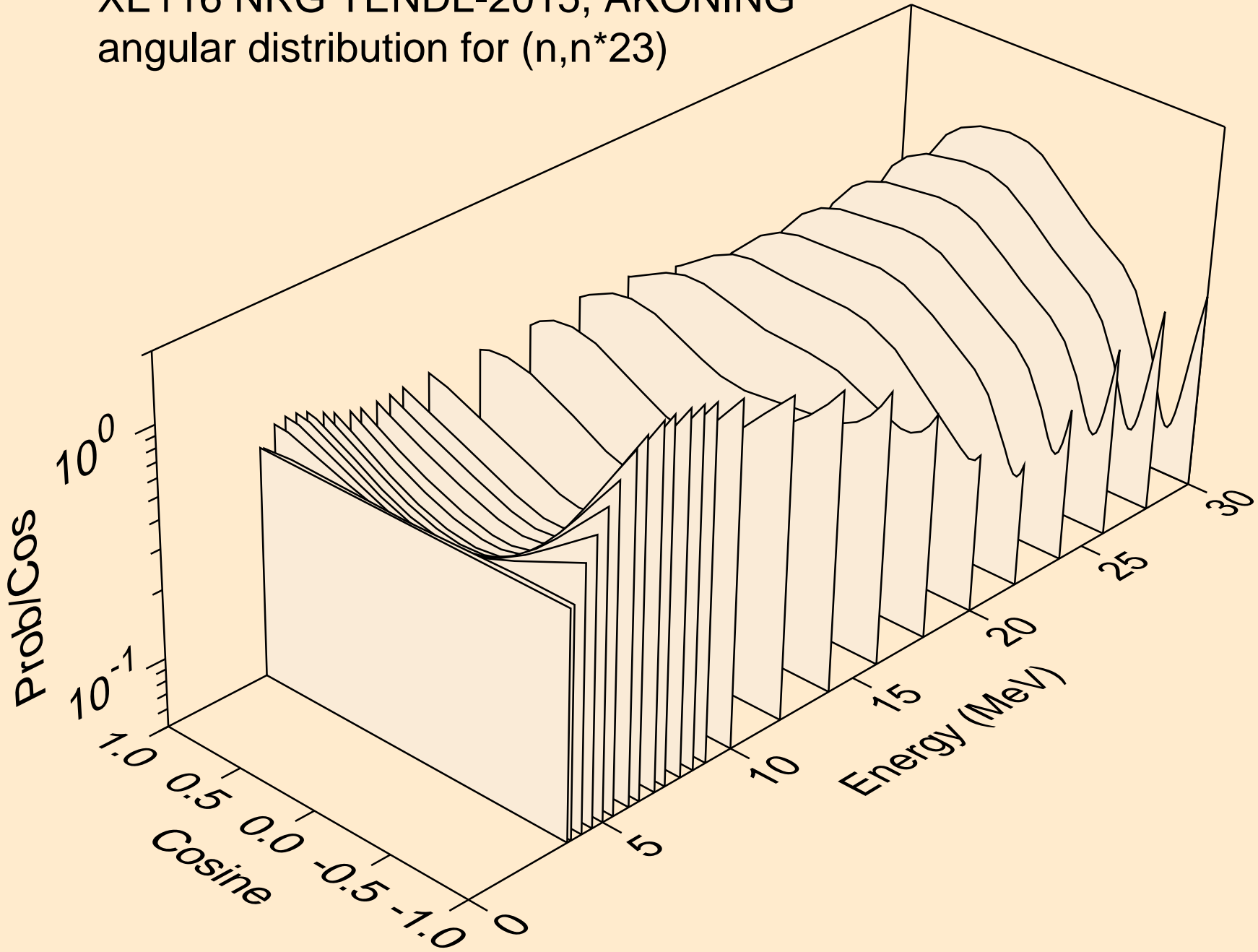
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angular distribution for (n,n\*21)



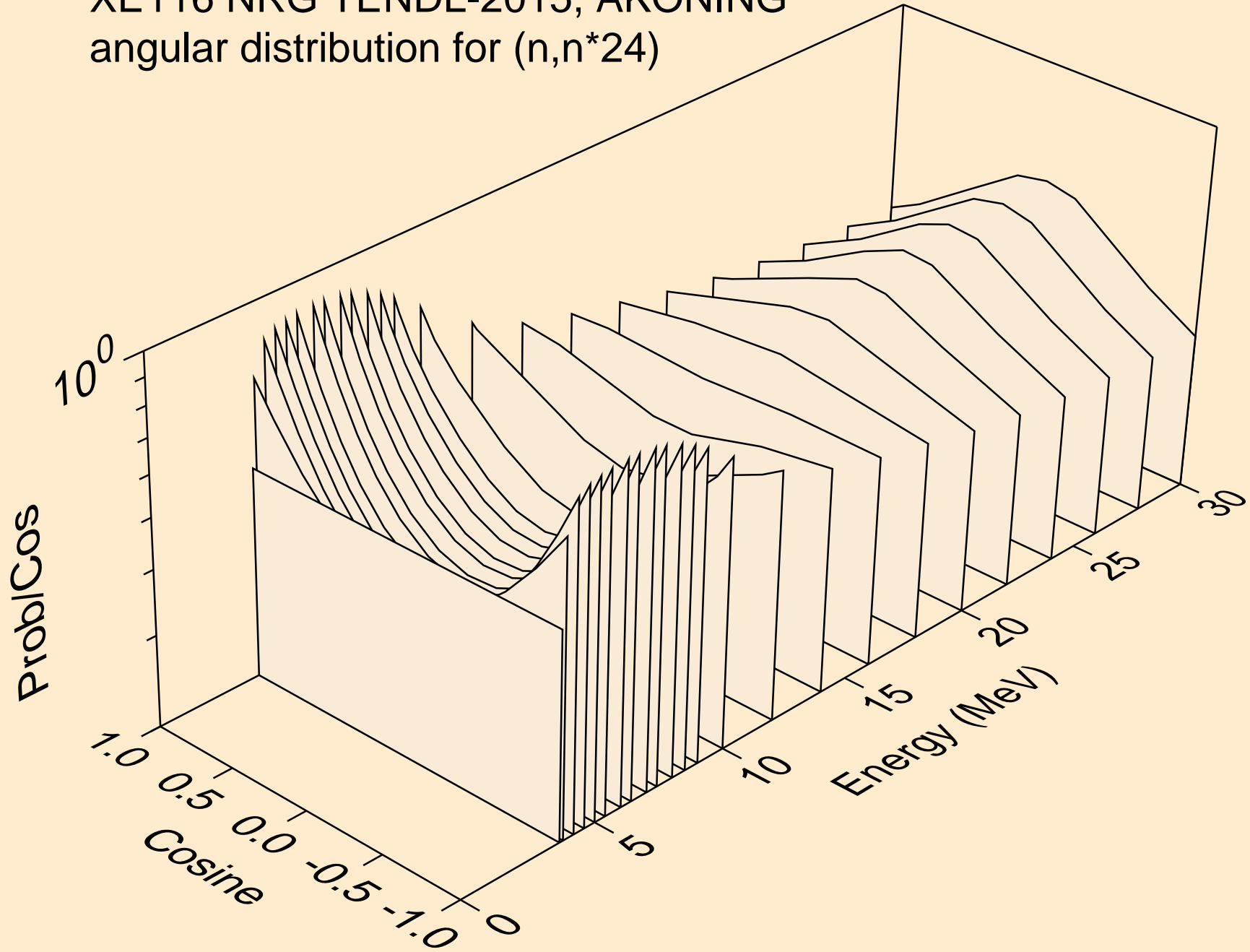
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angular distribution for (n,n\*22)



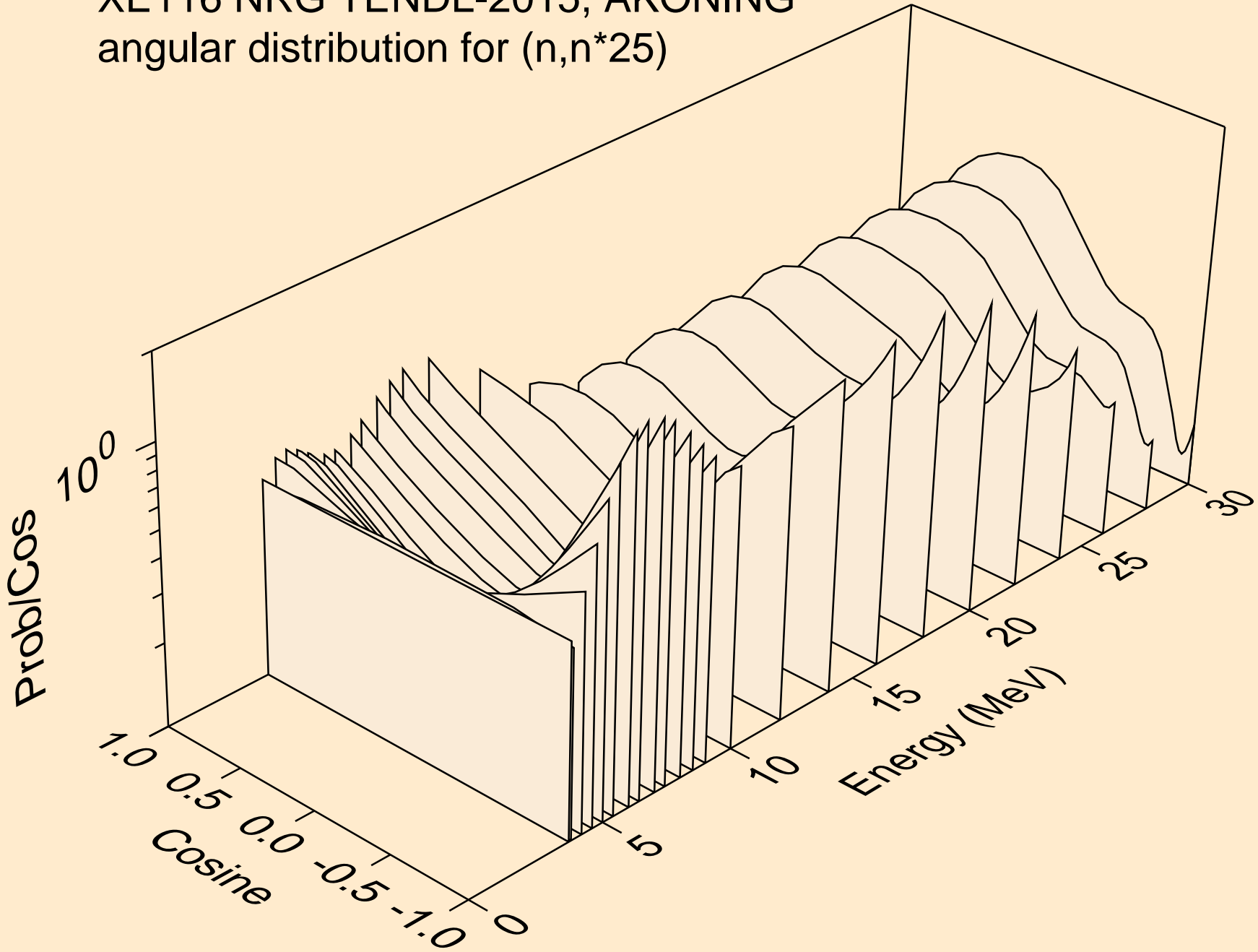
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angular distribution for (n,n\*23)



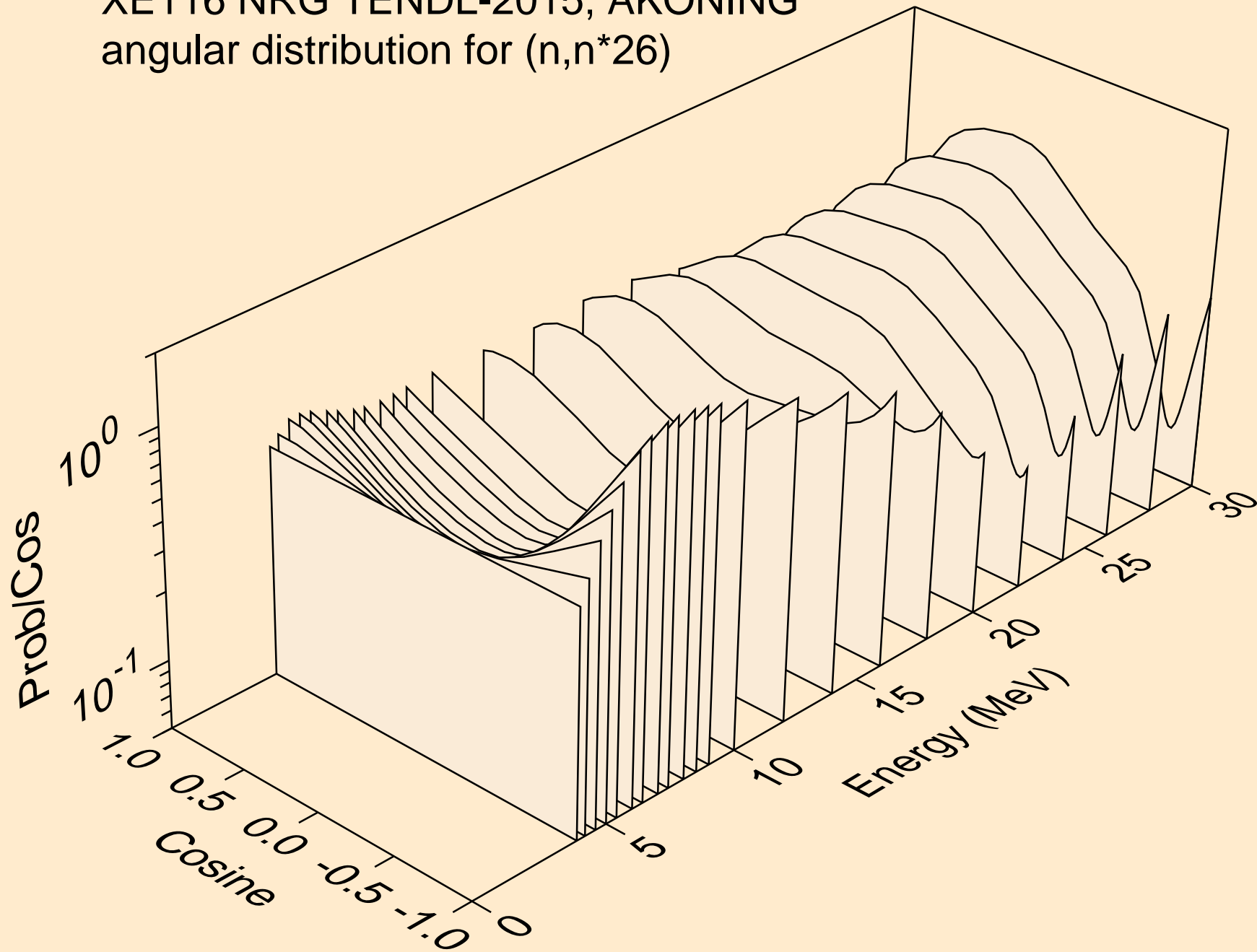
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angular distribution for (n,n\*24)



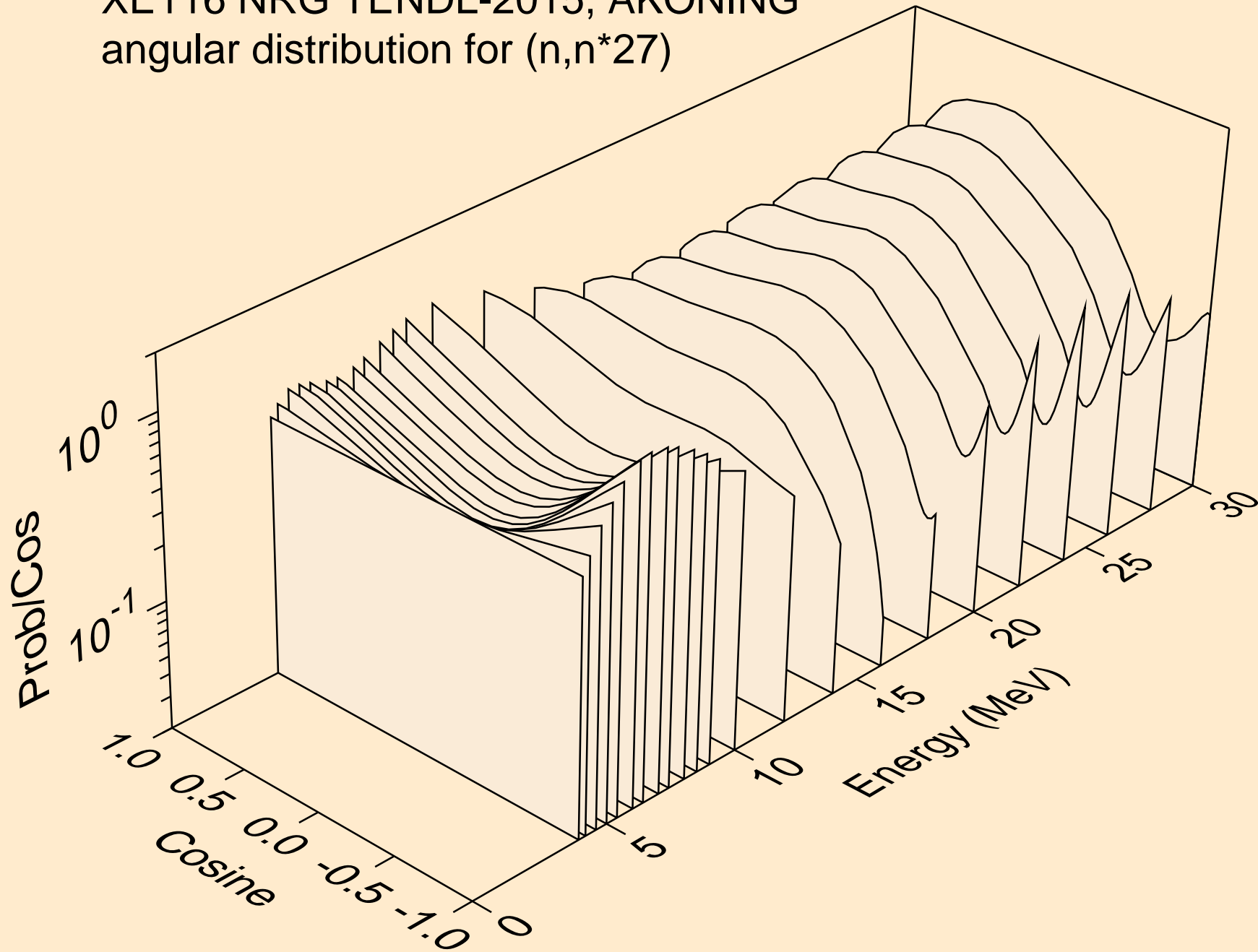
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angular distribution for (n,n\*25)



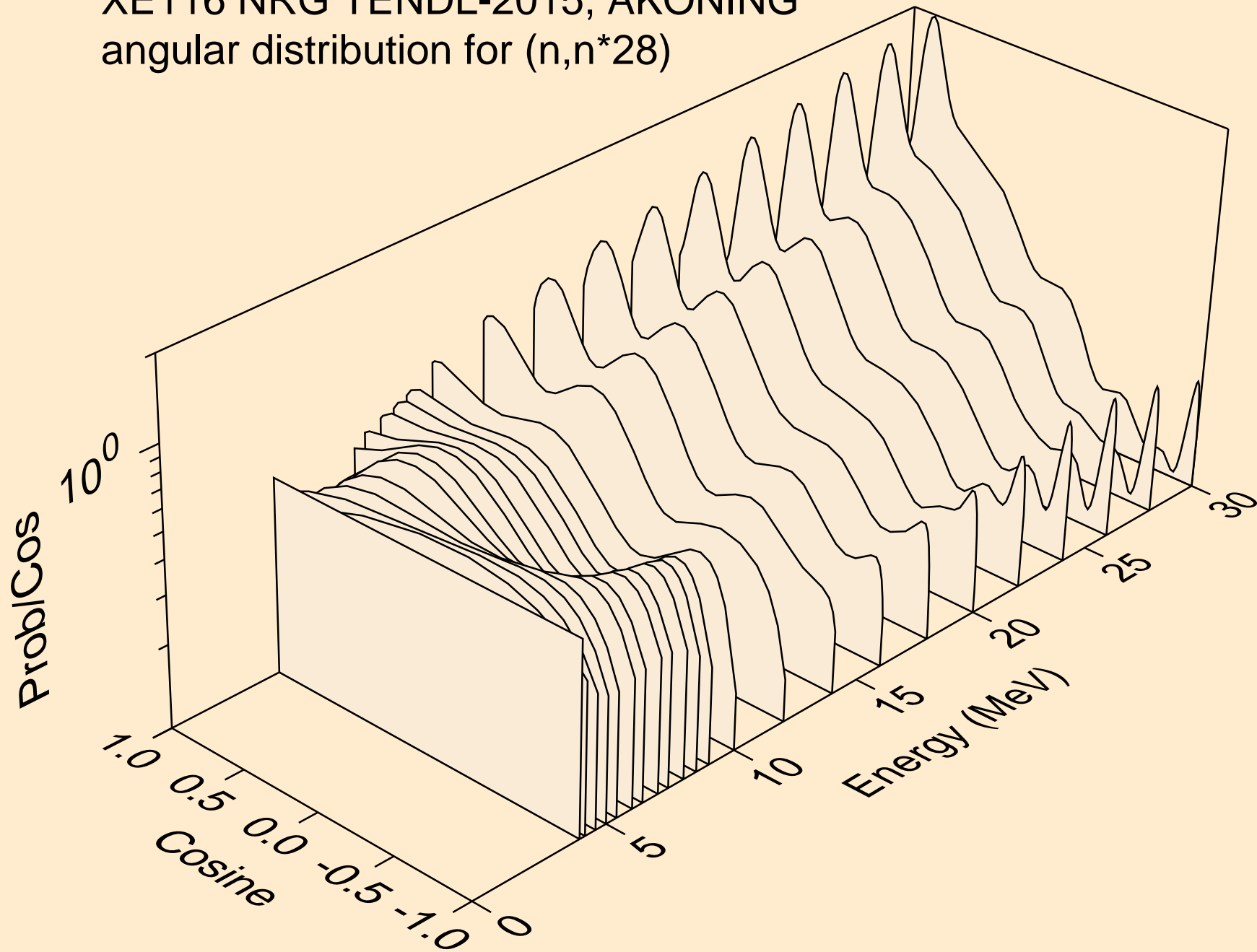
XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)

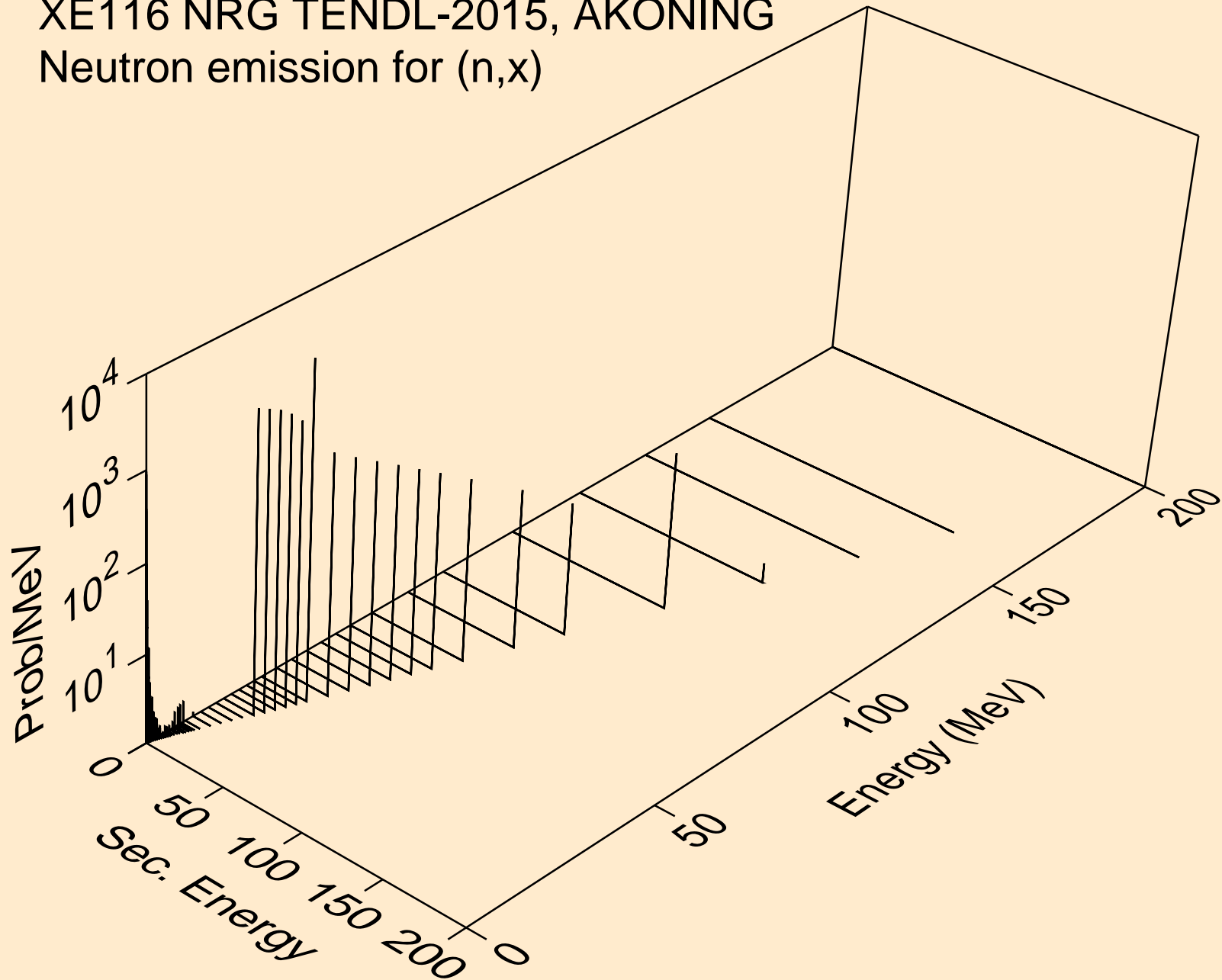


XE116 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)

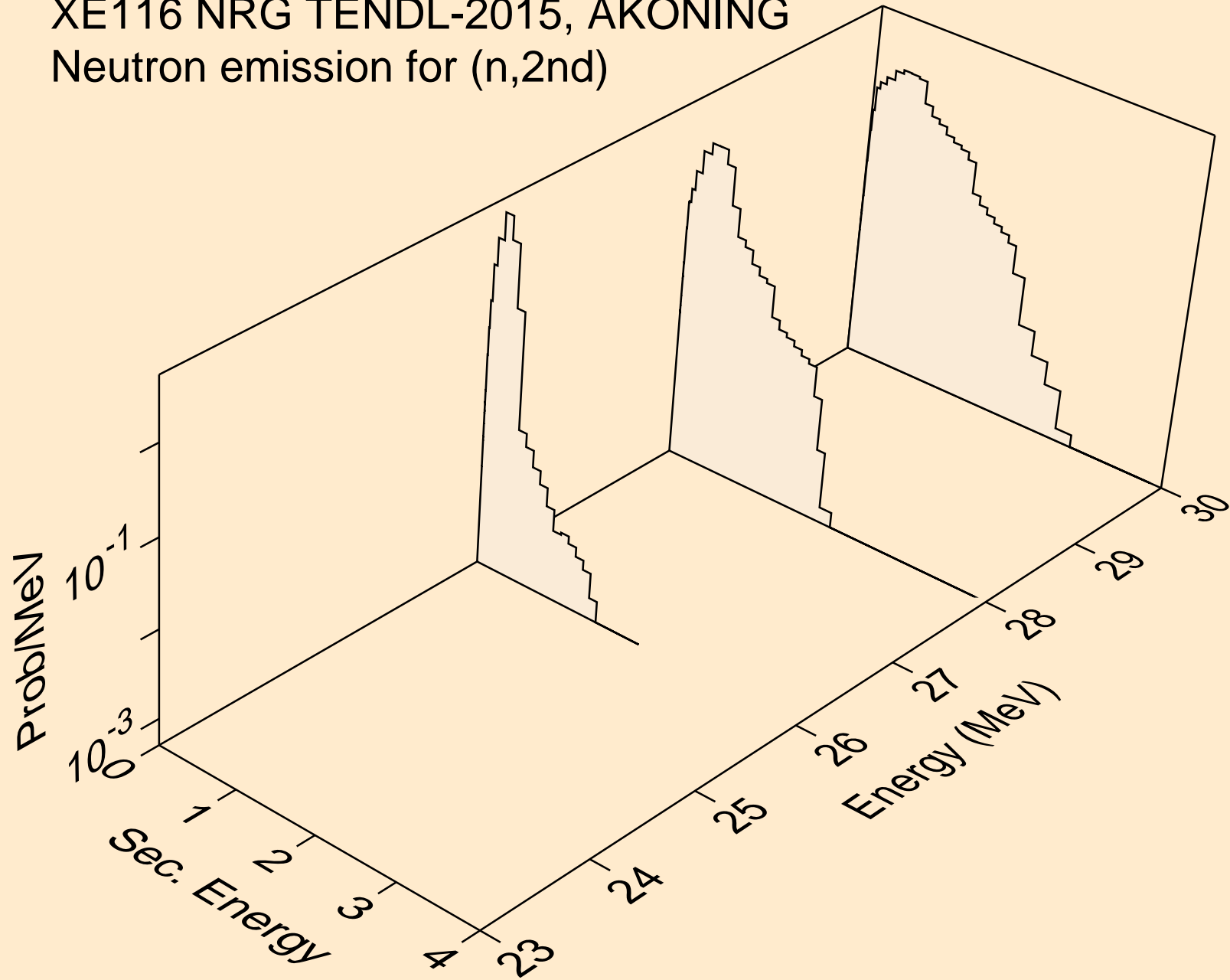




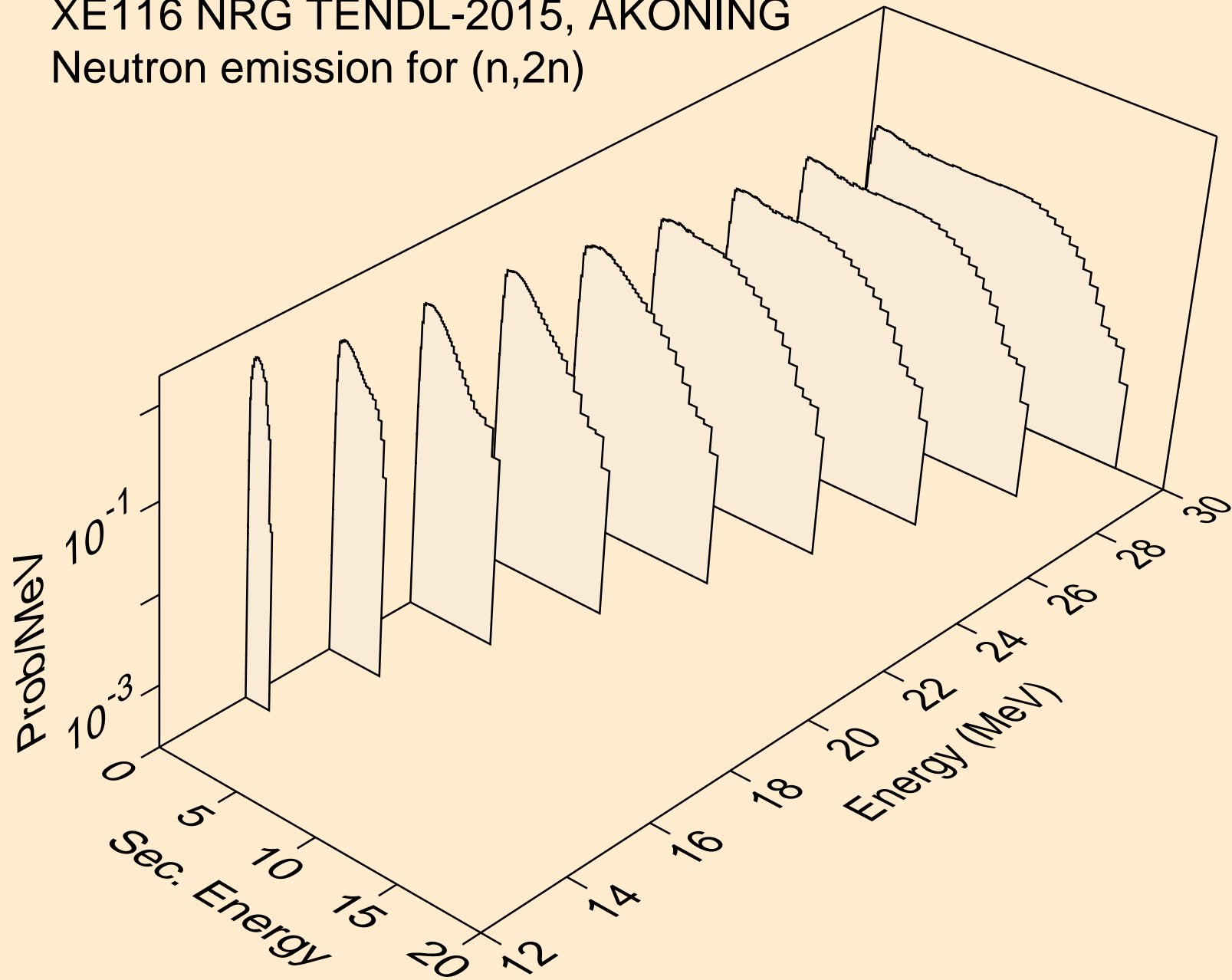
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



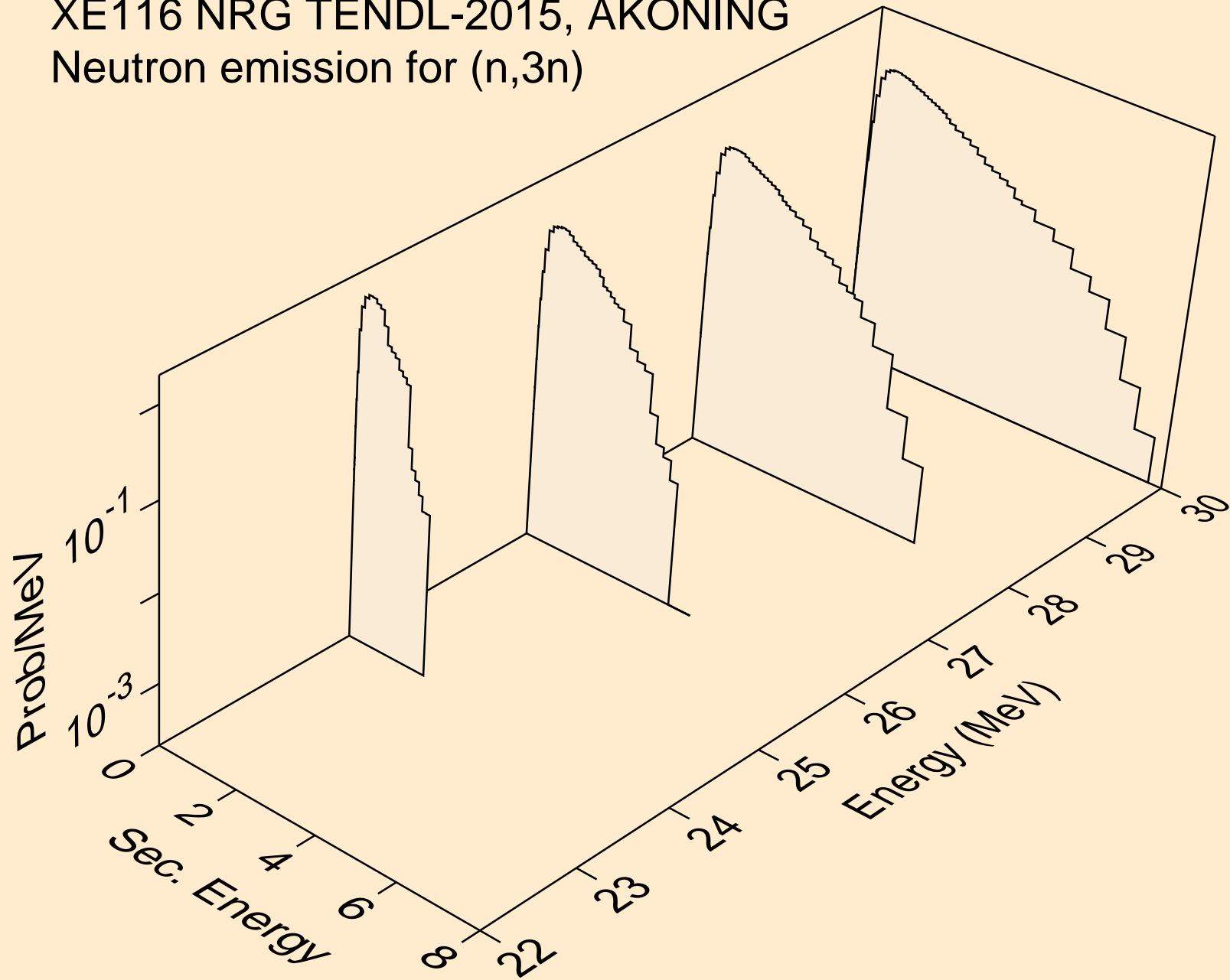
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



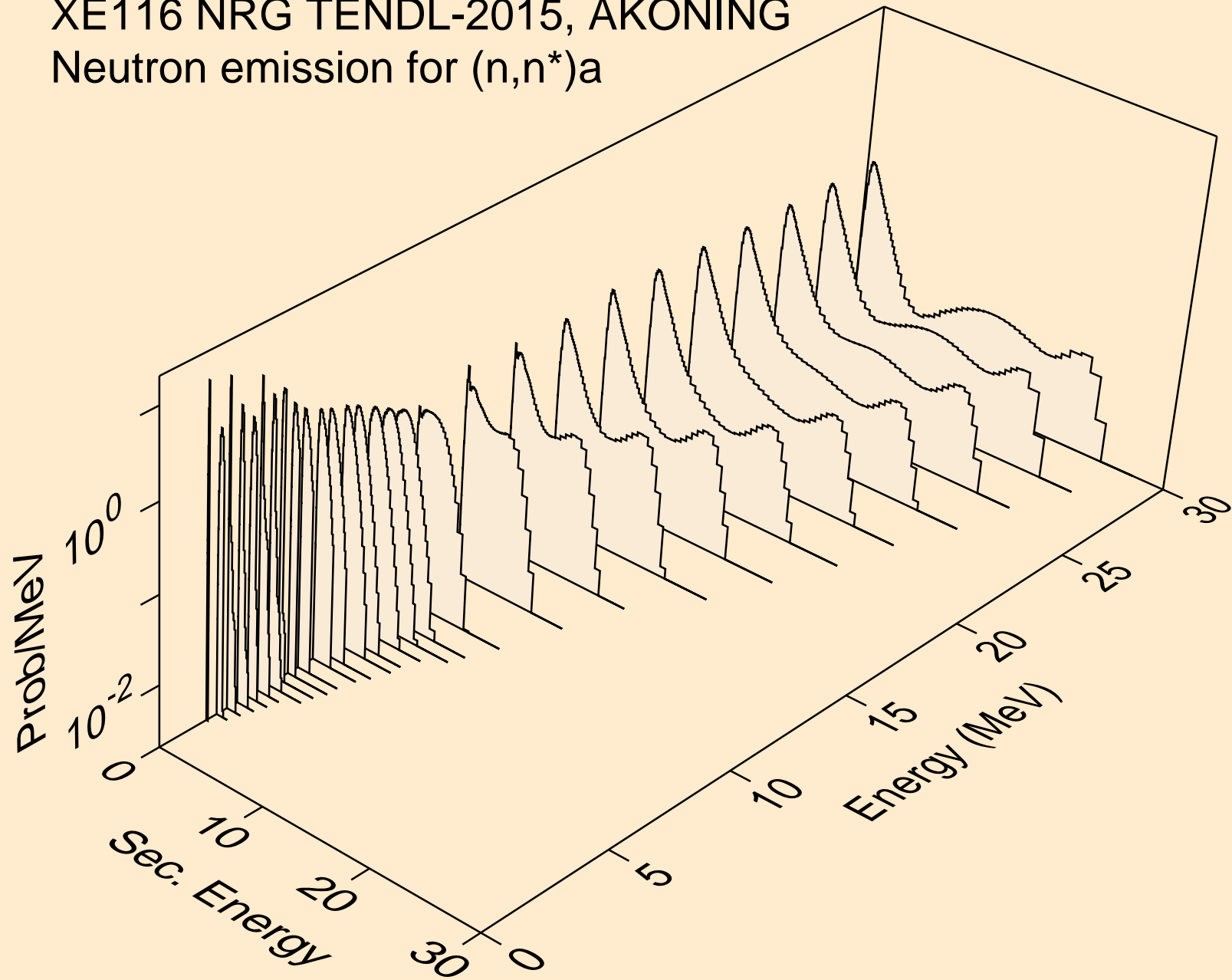
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



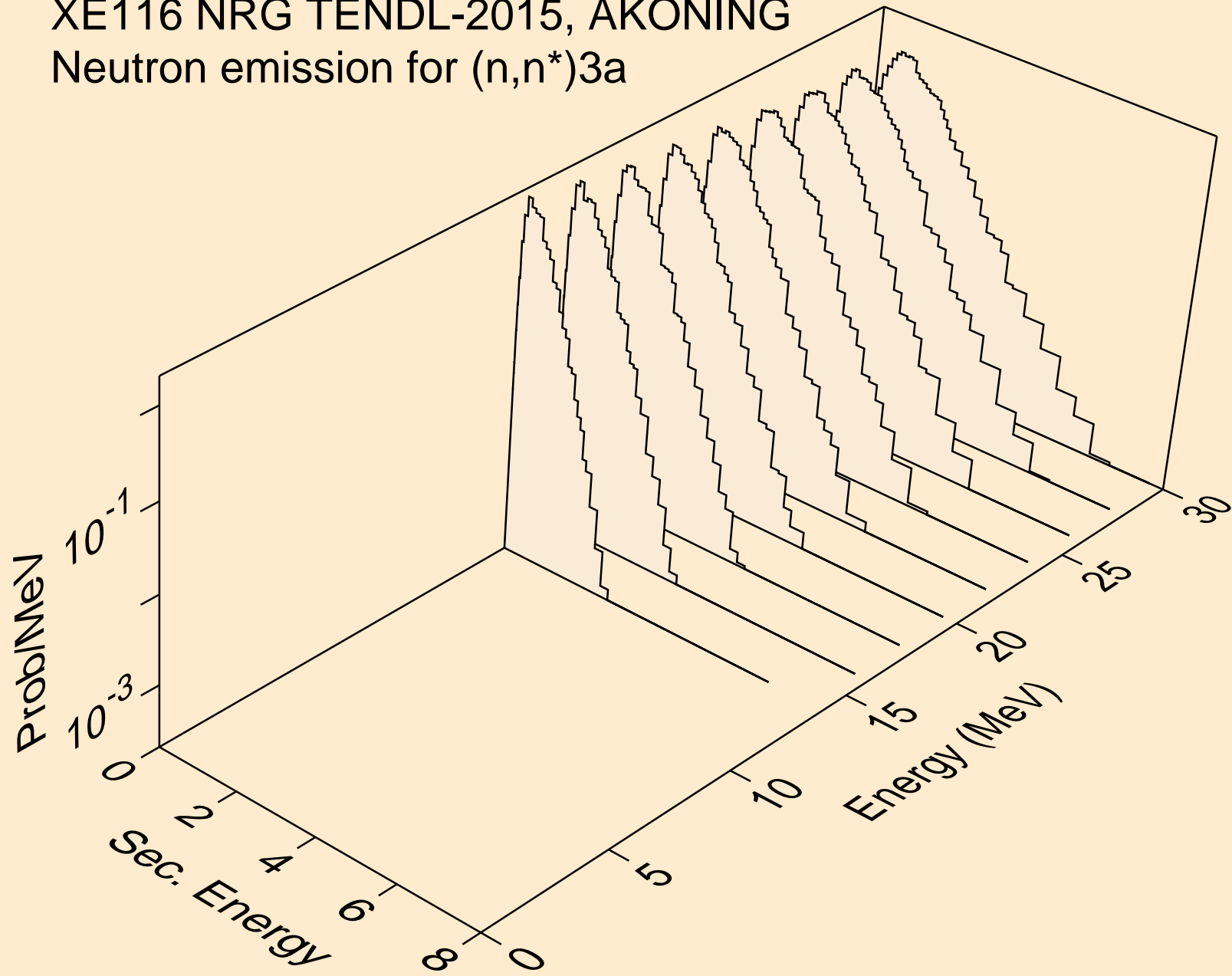
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



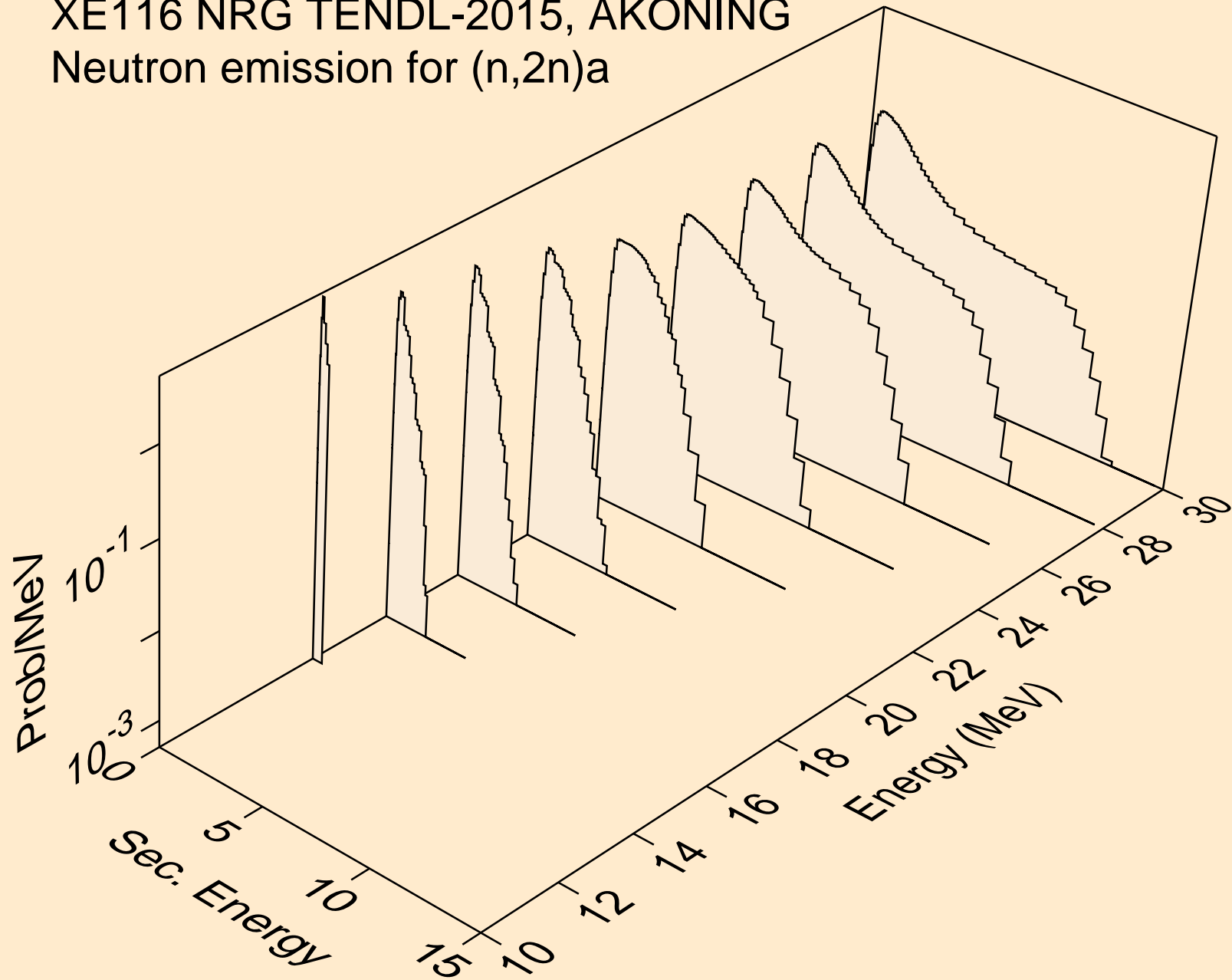
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Neutron emission for (n,n\*)a



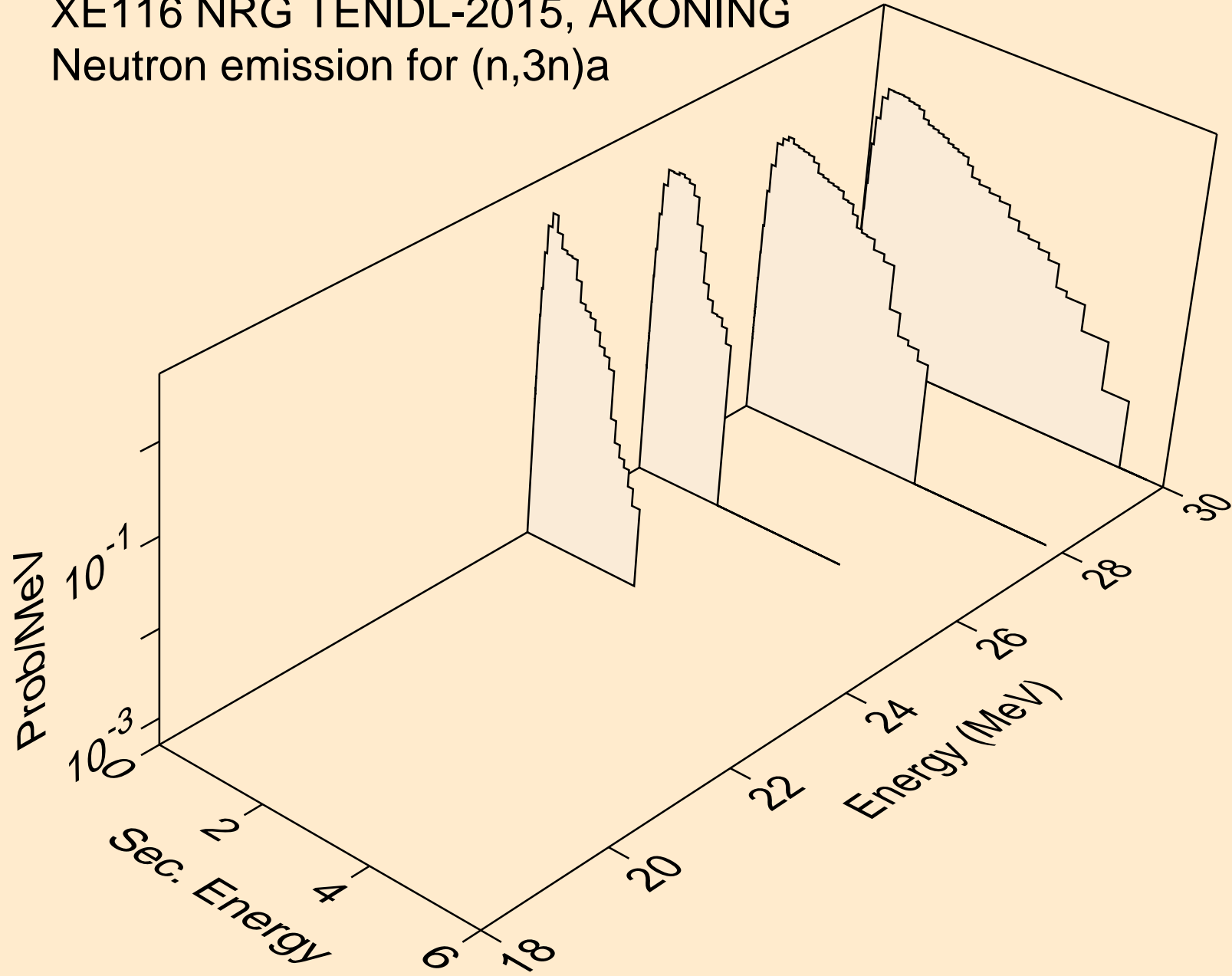
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>a</sub>

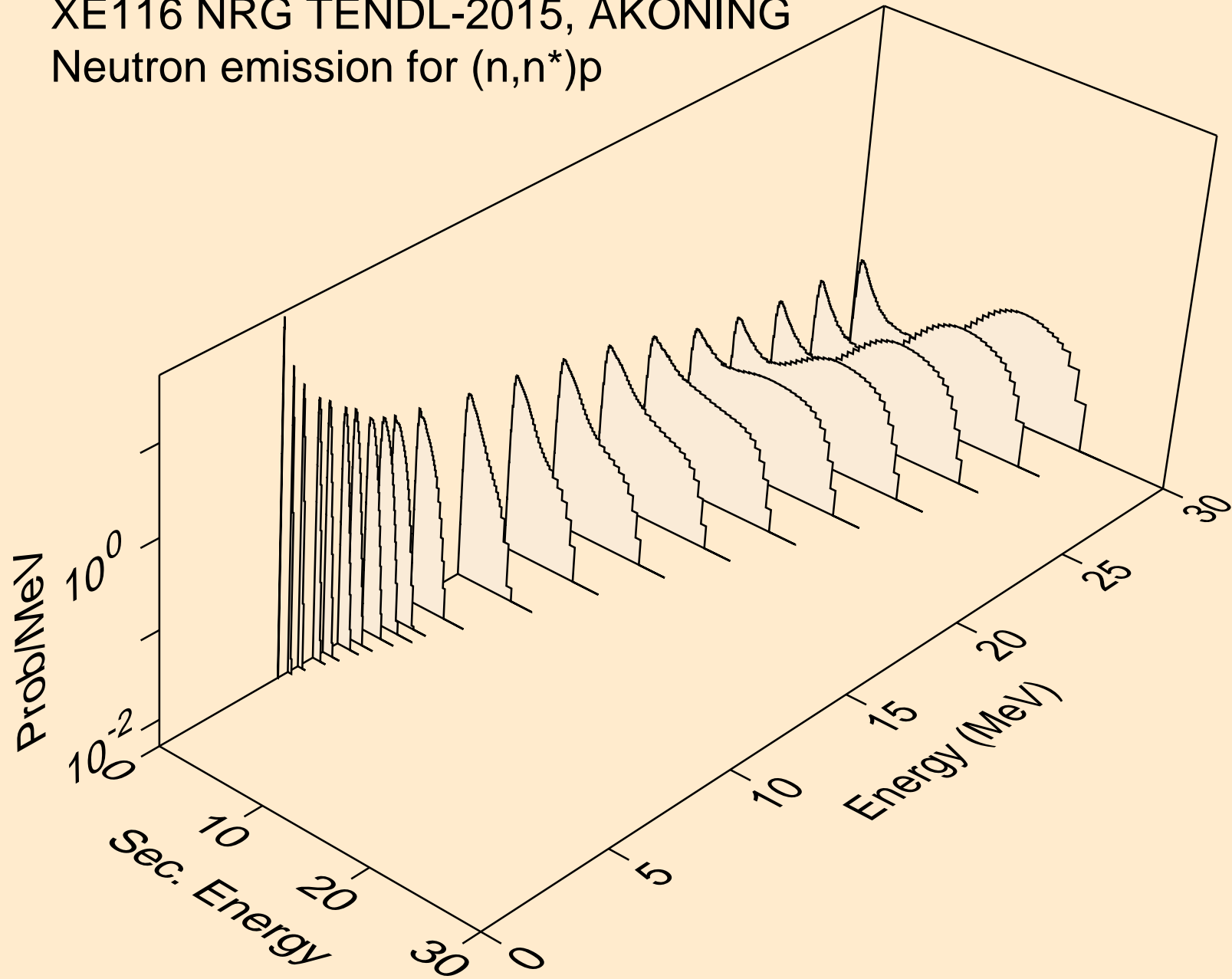


XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

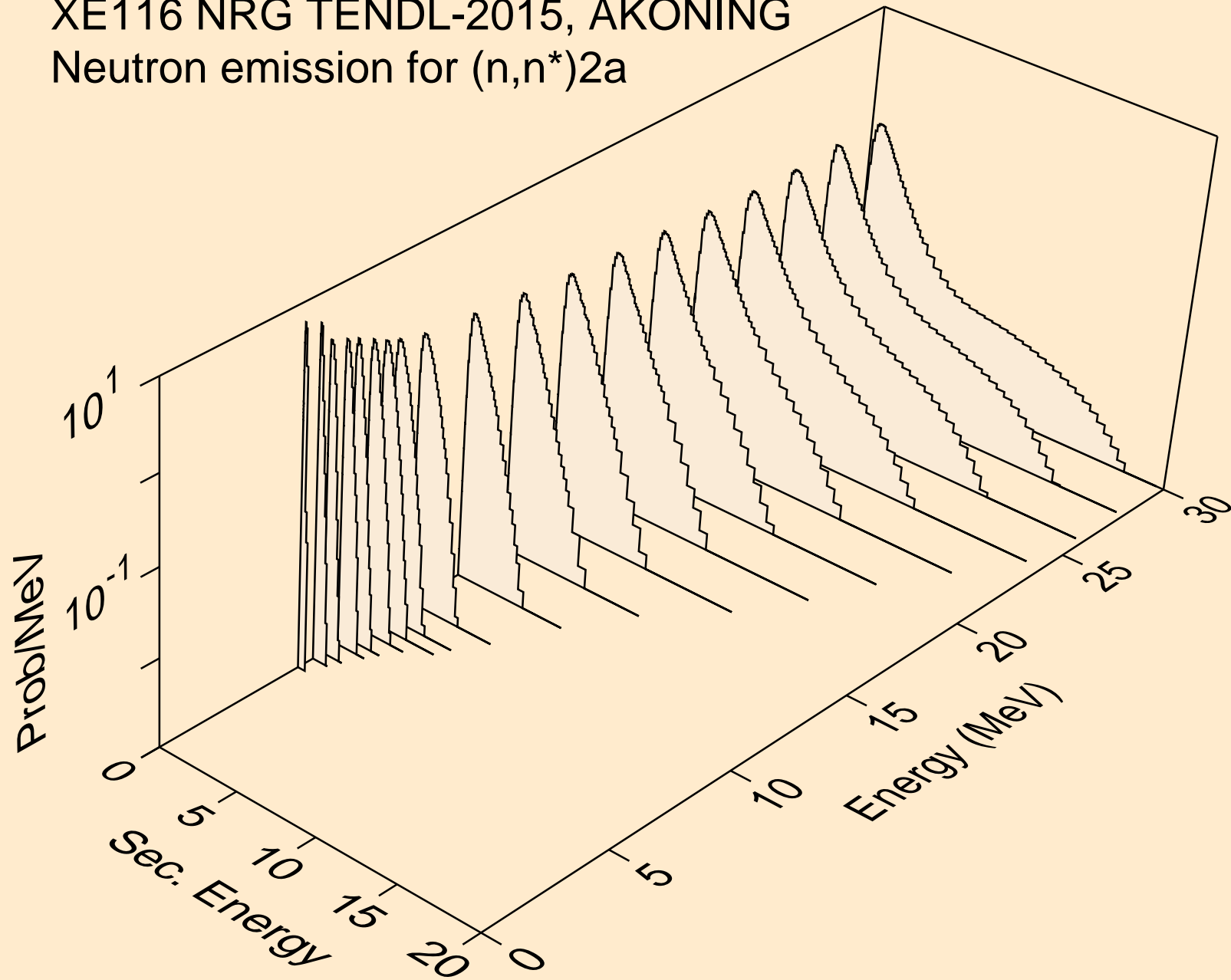




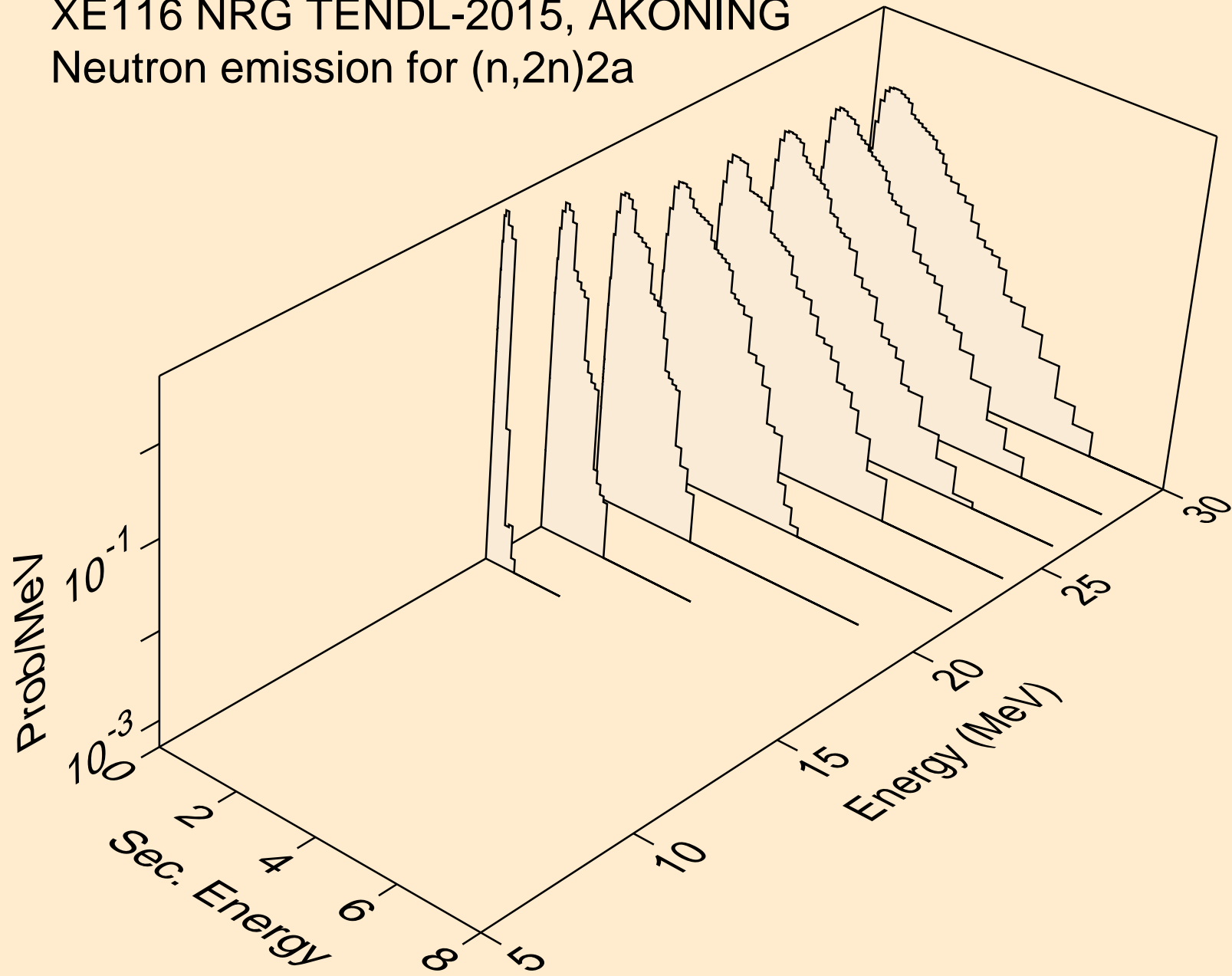
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



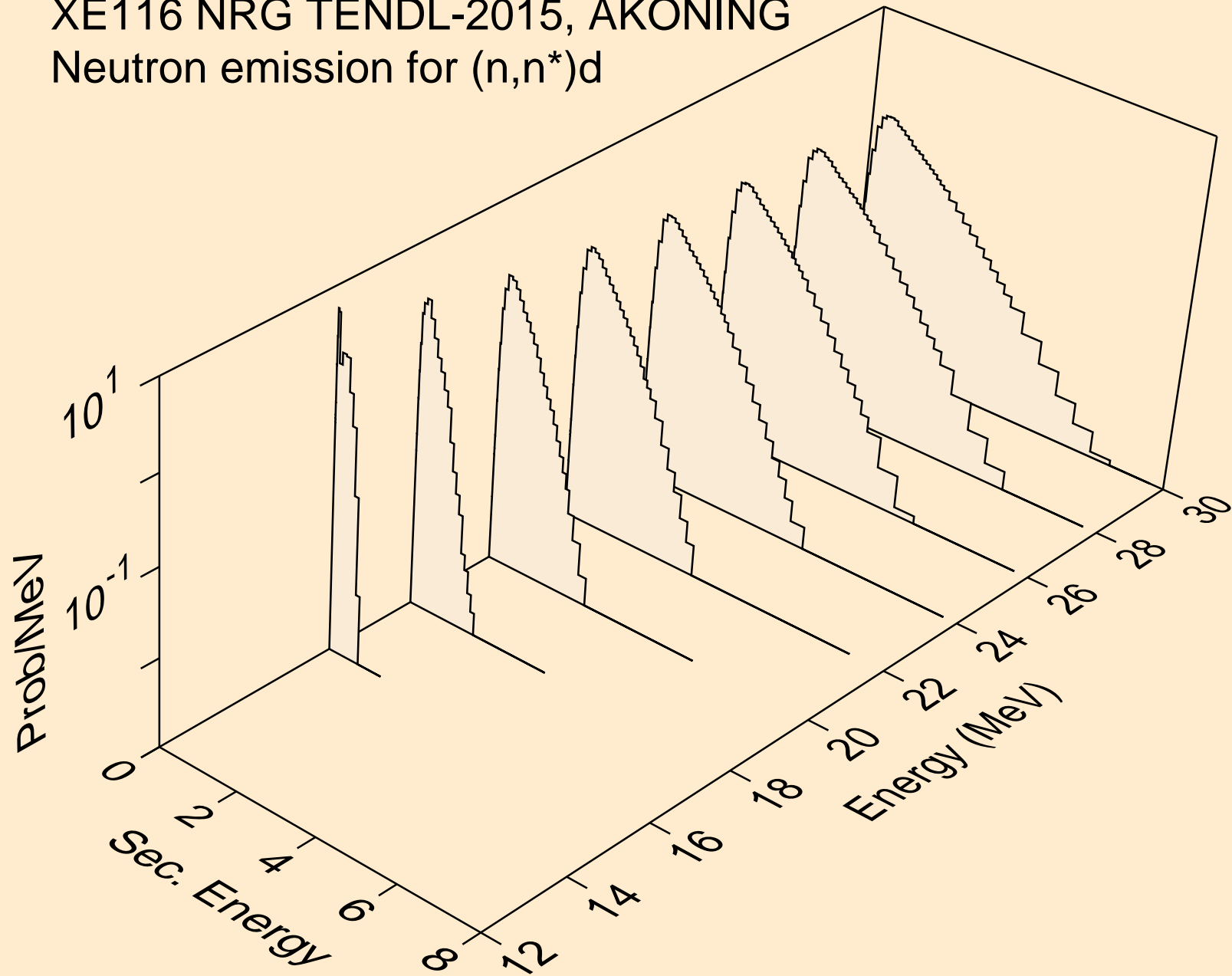
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Neutron emission for (n,n\*)2a



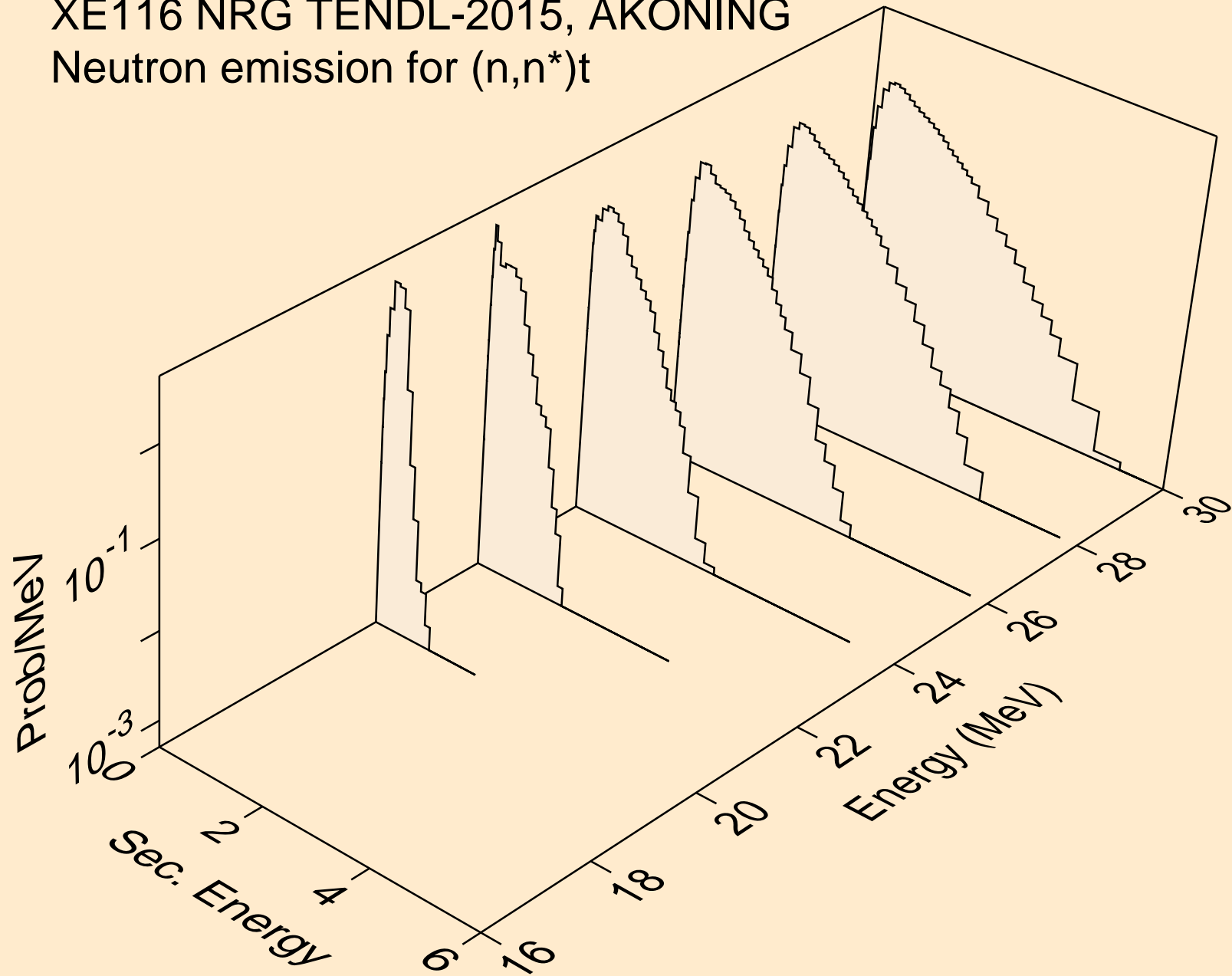
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



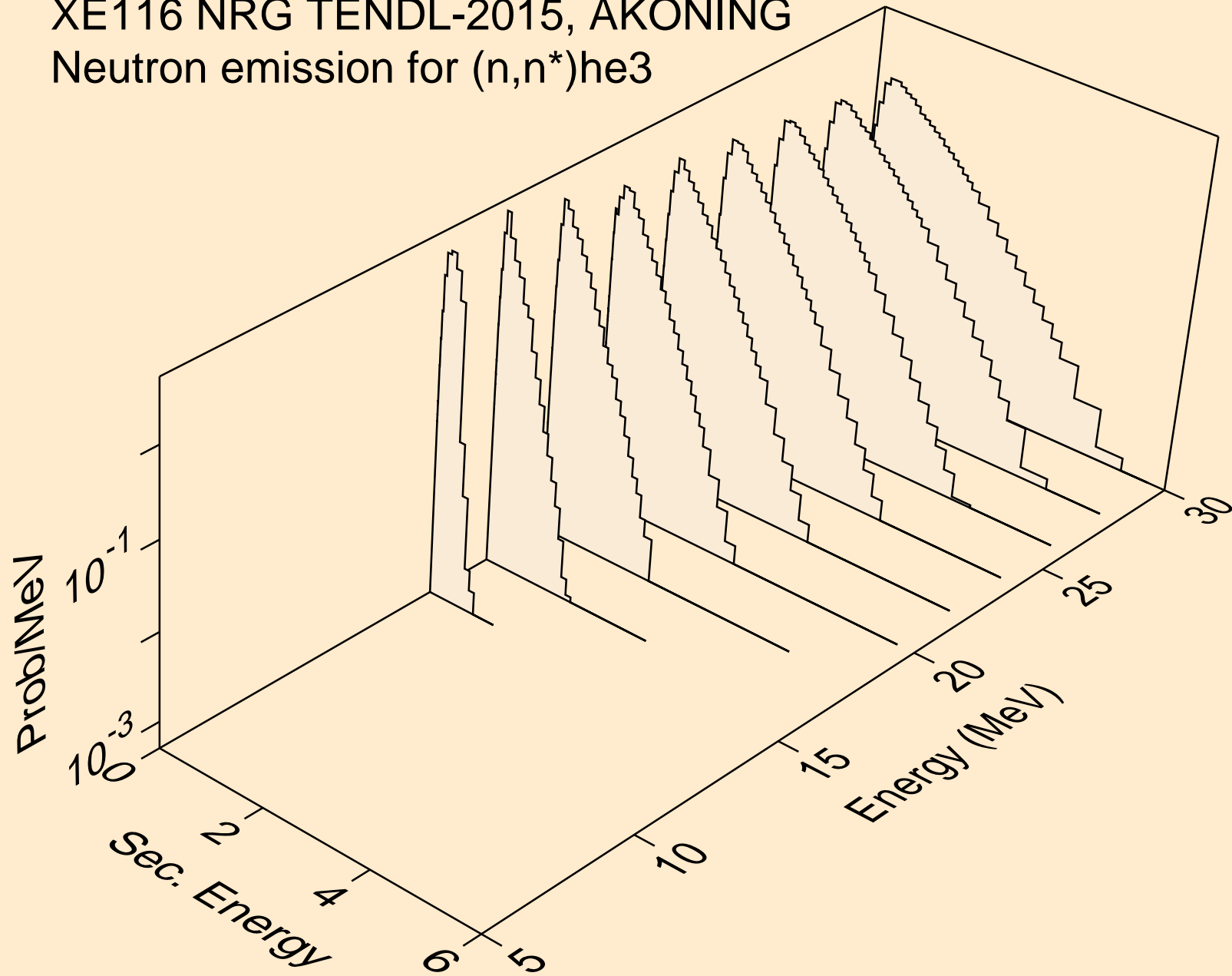
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



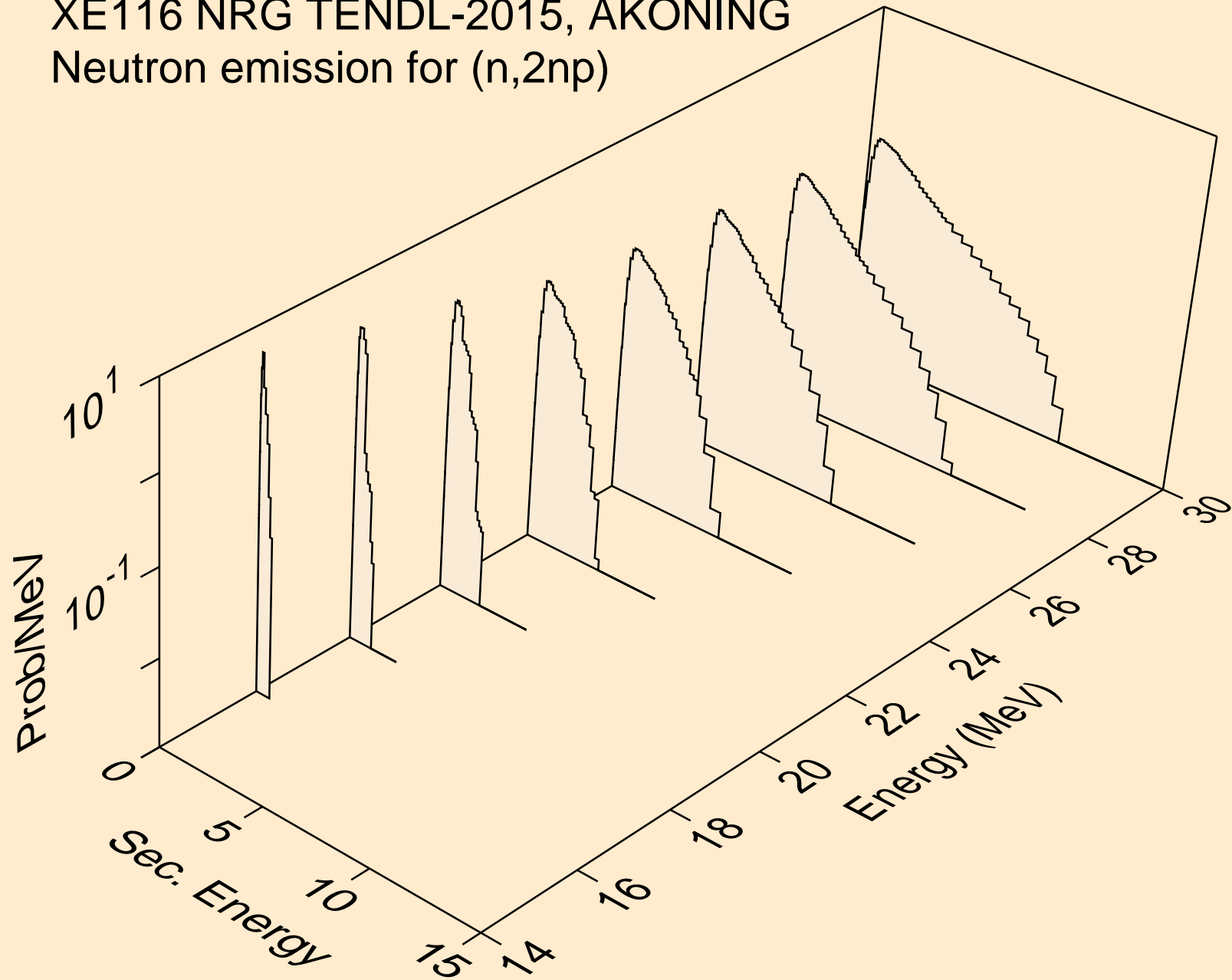
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



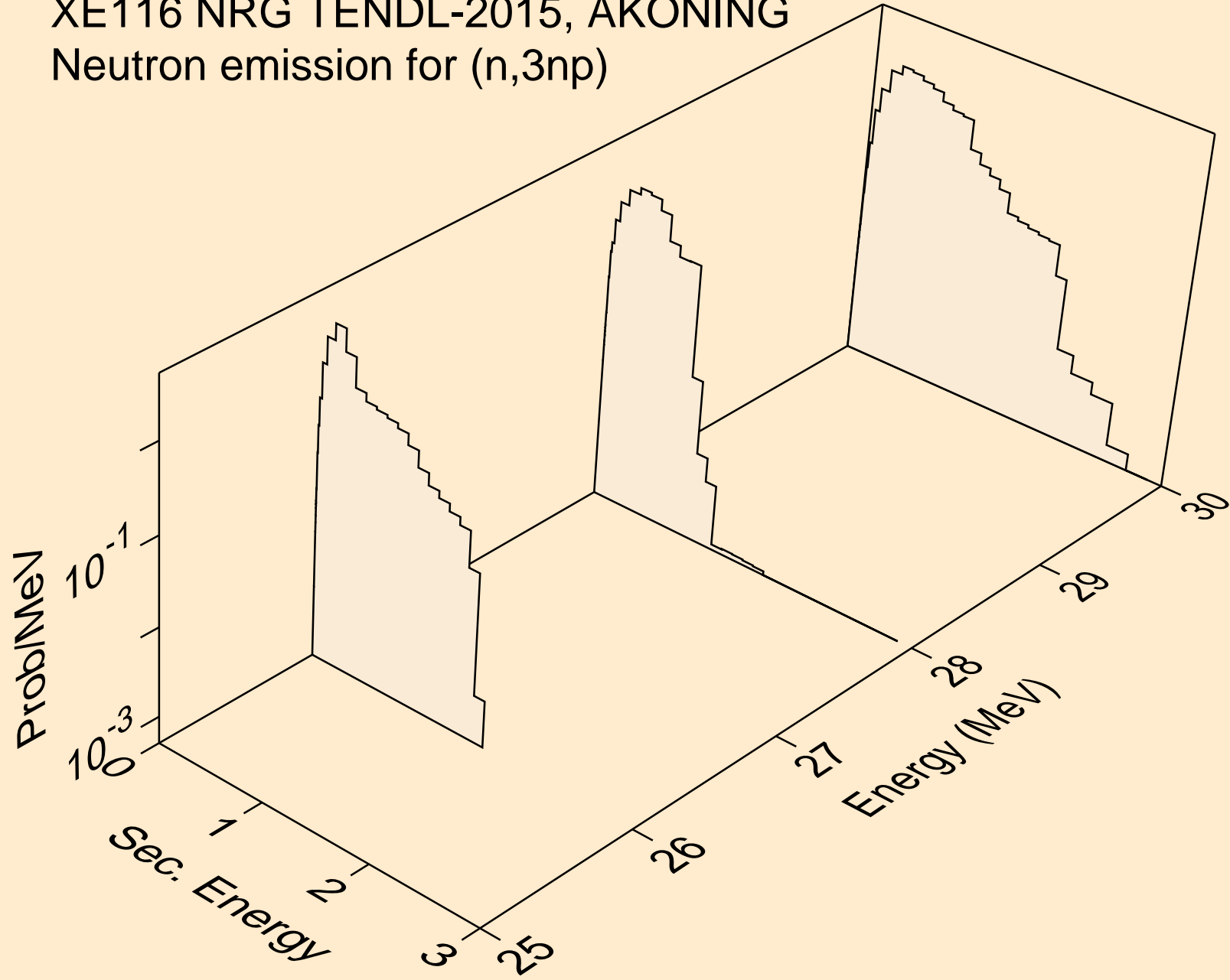
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

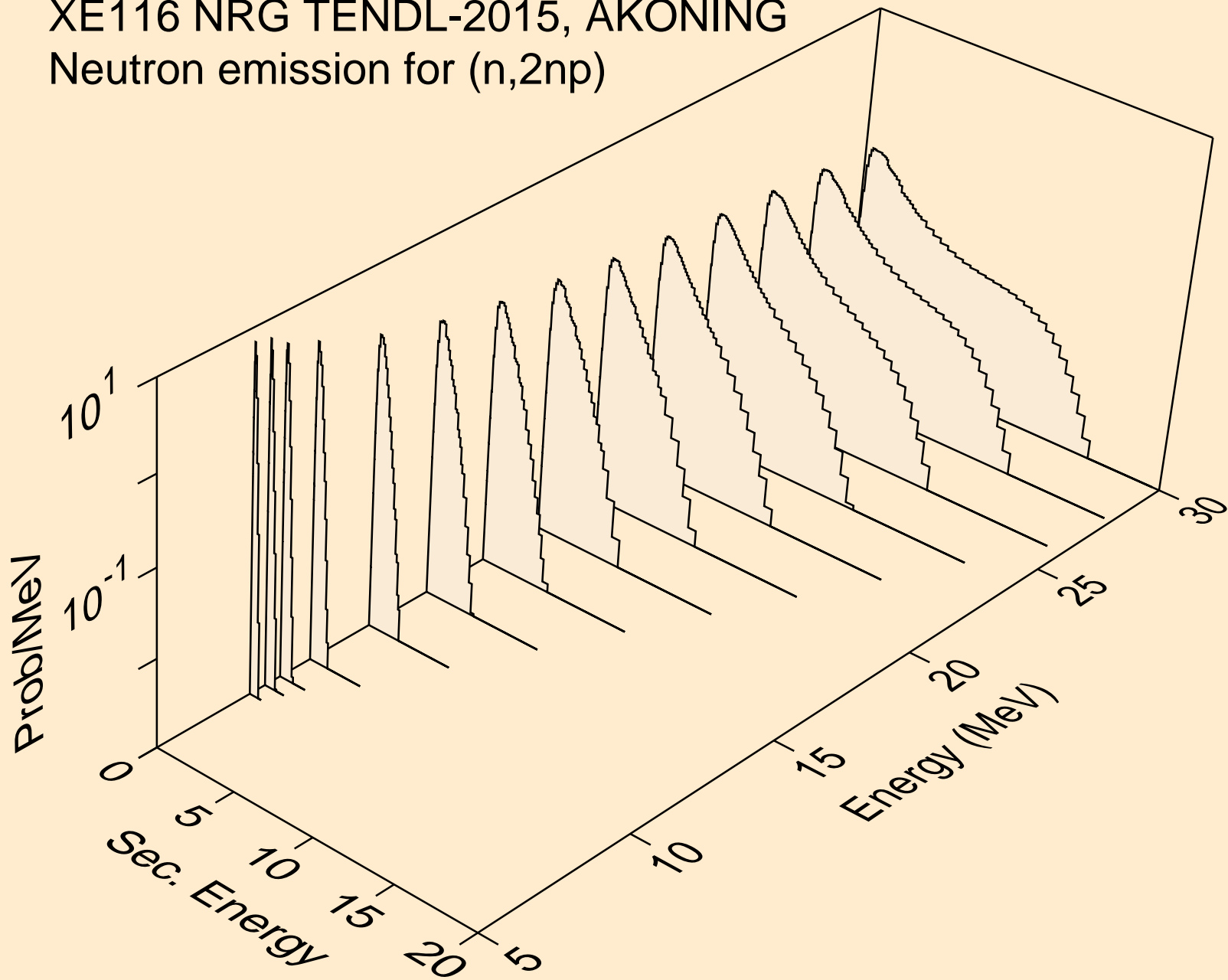


XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

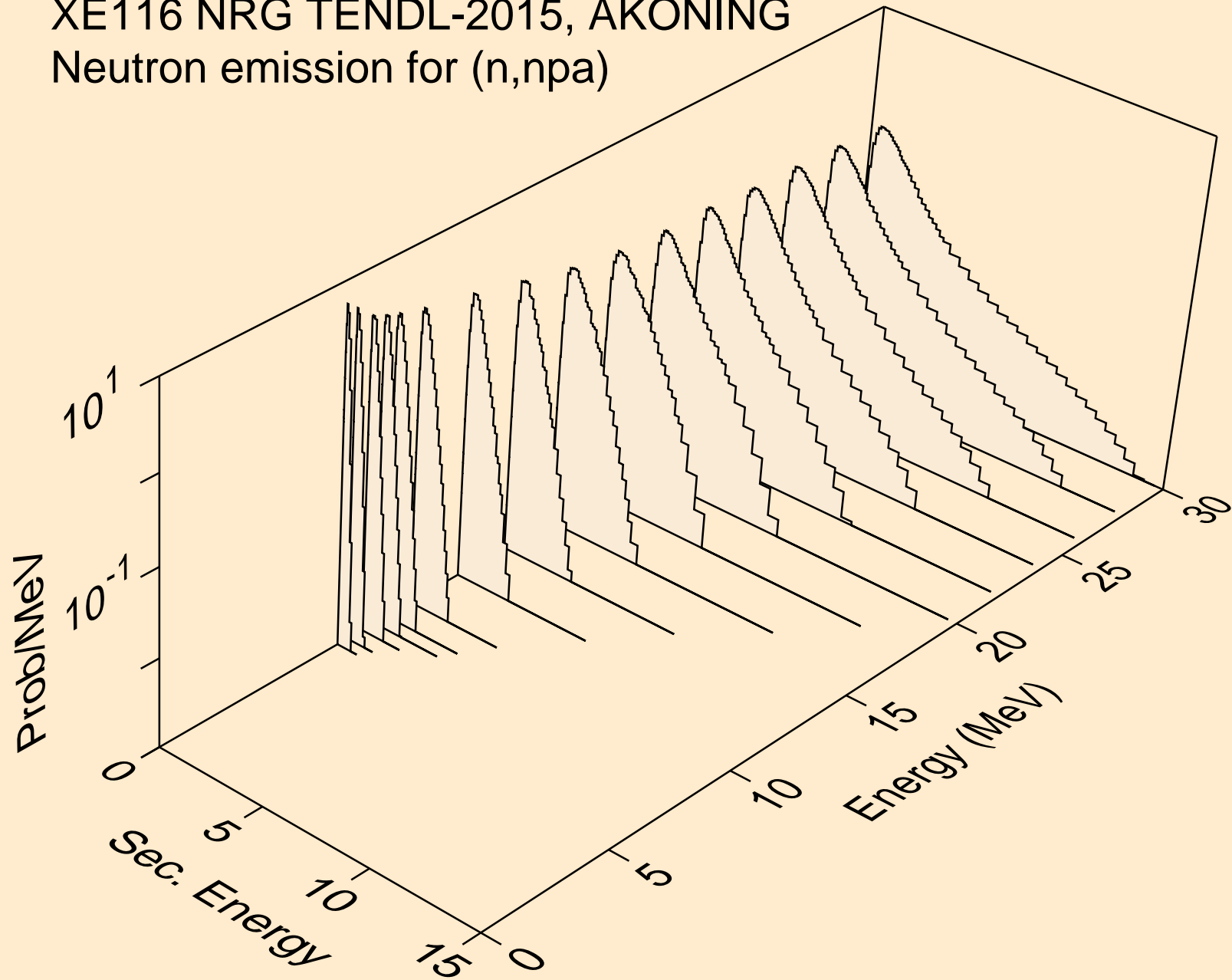




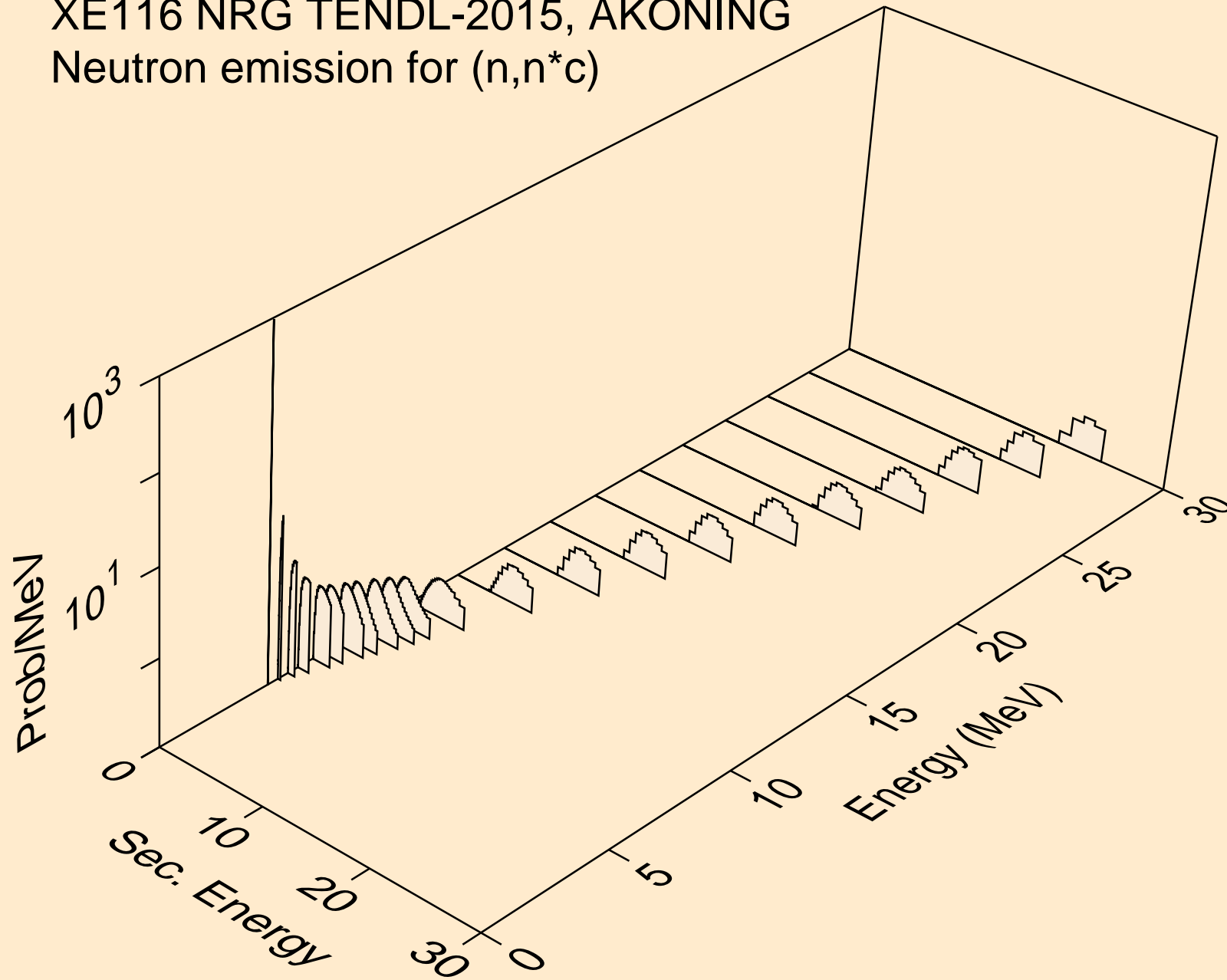
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



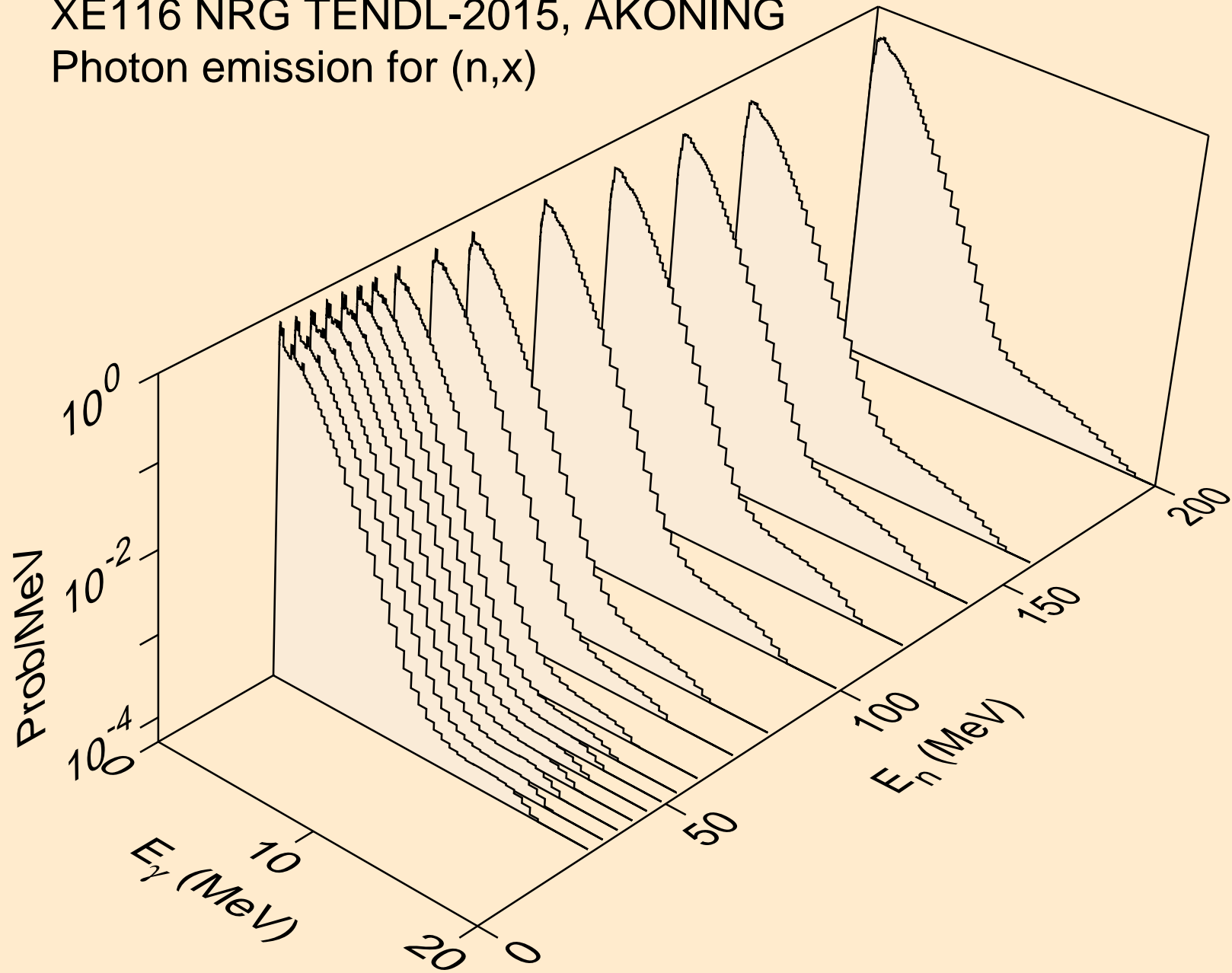
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



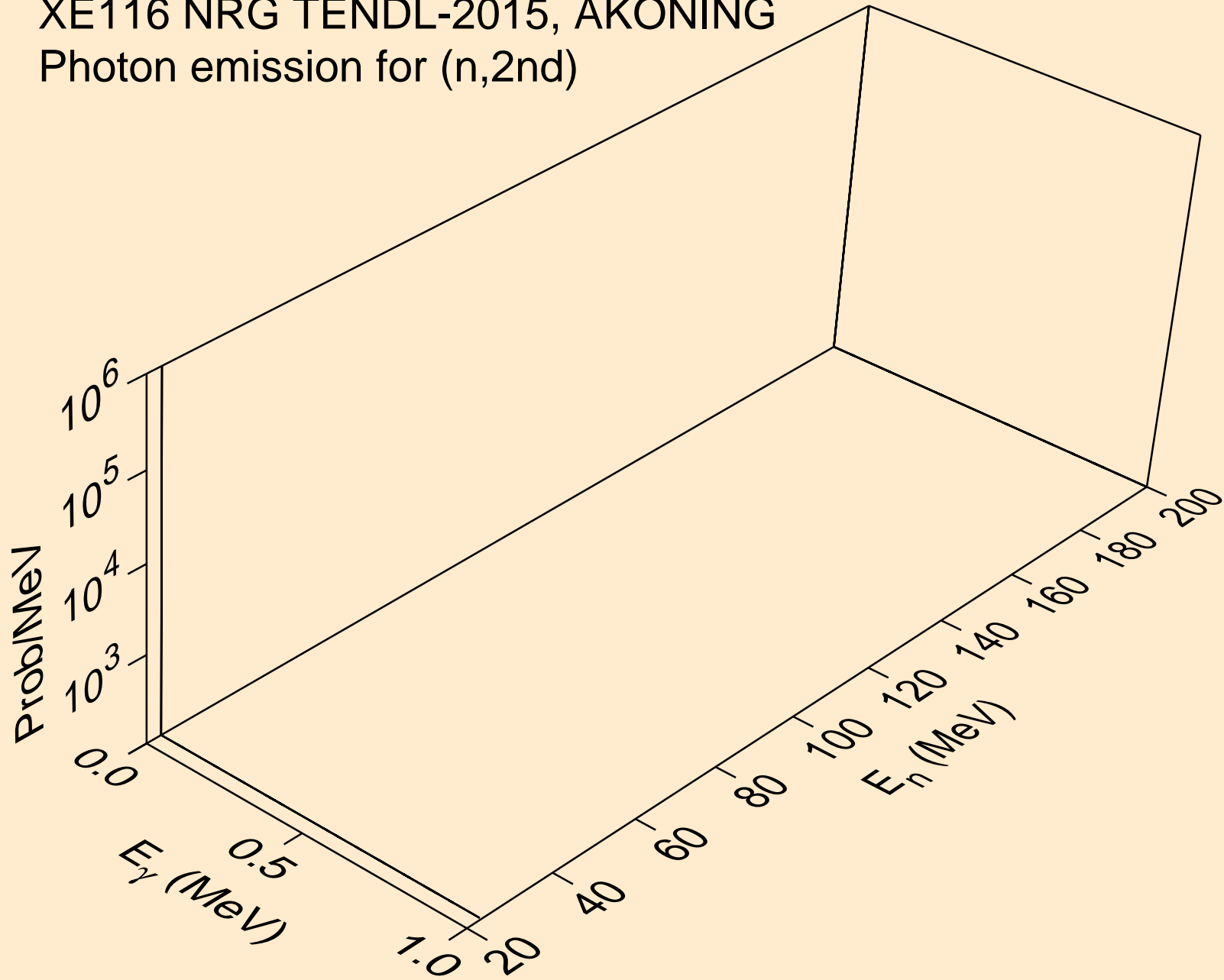
XE116 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



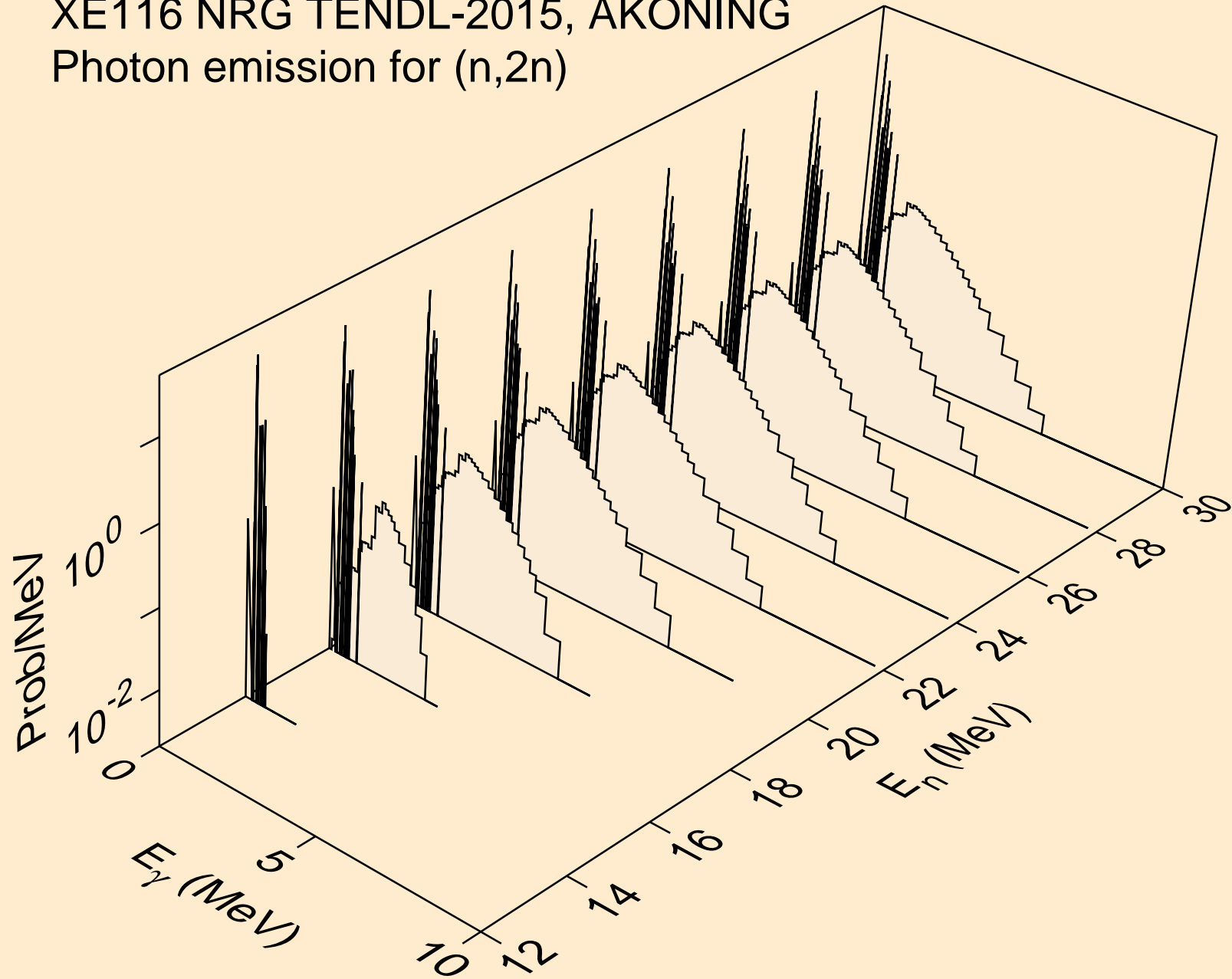
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



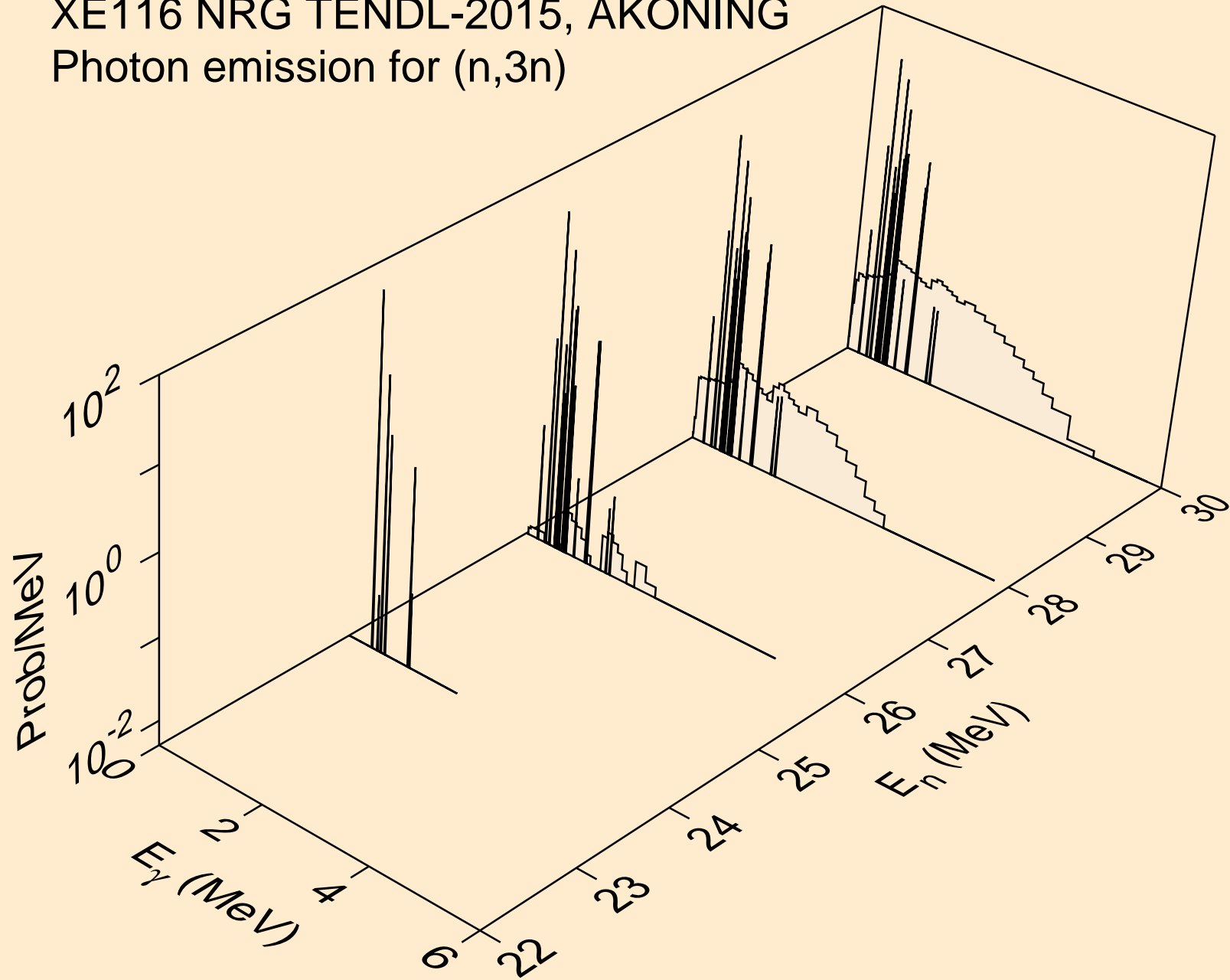
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



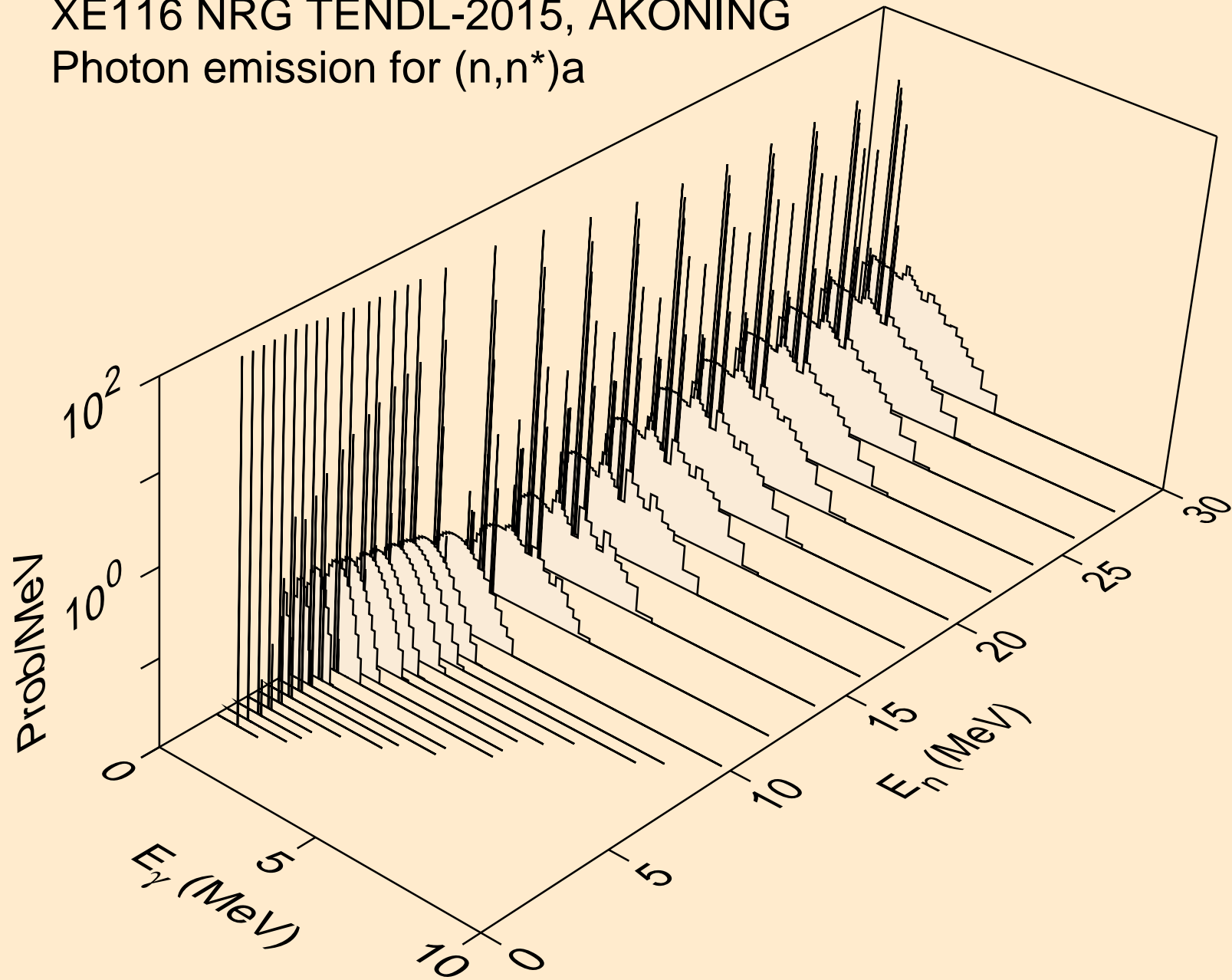
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

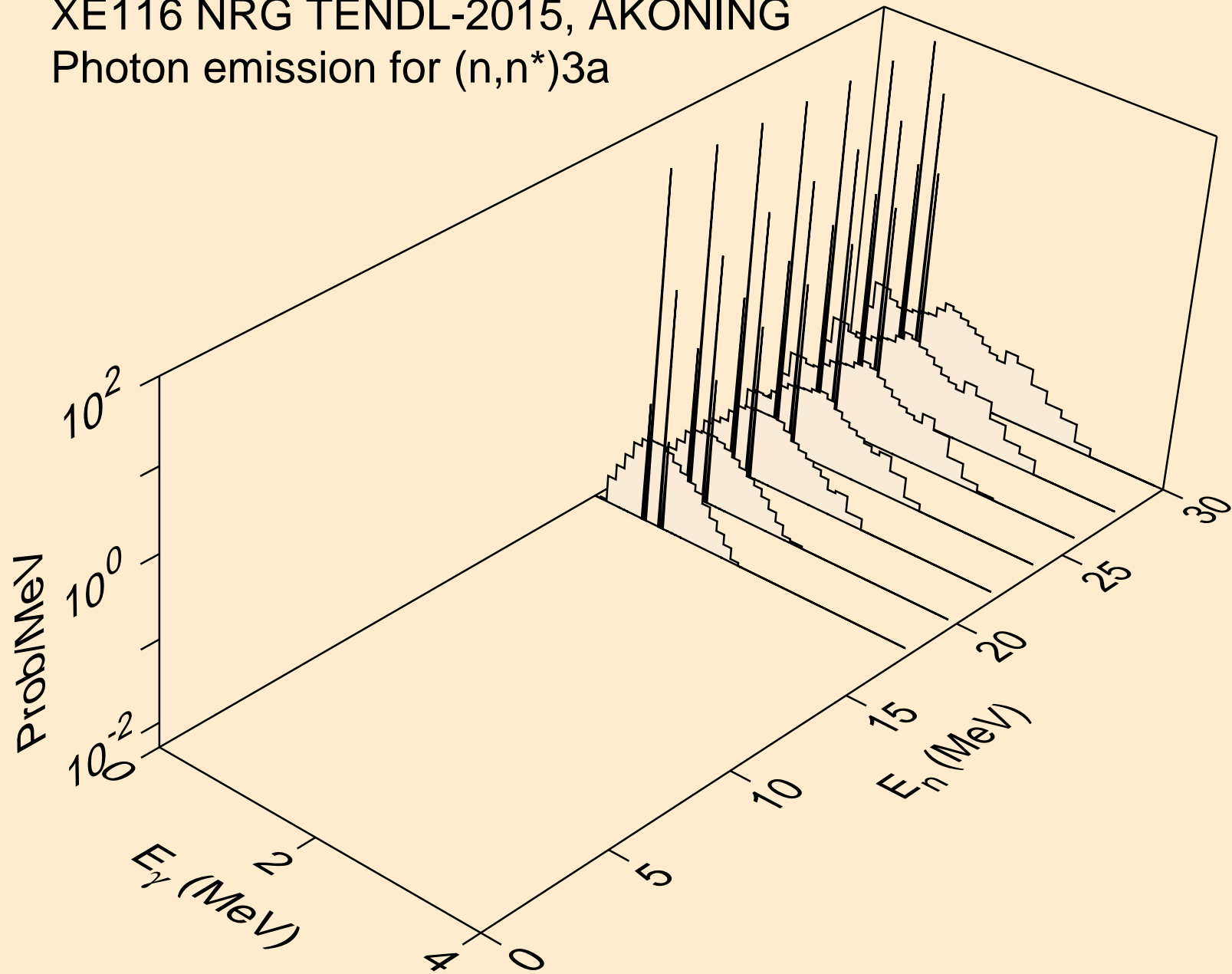


XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

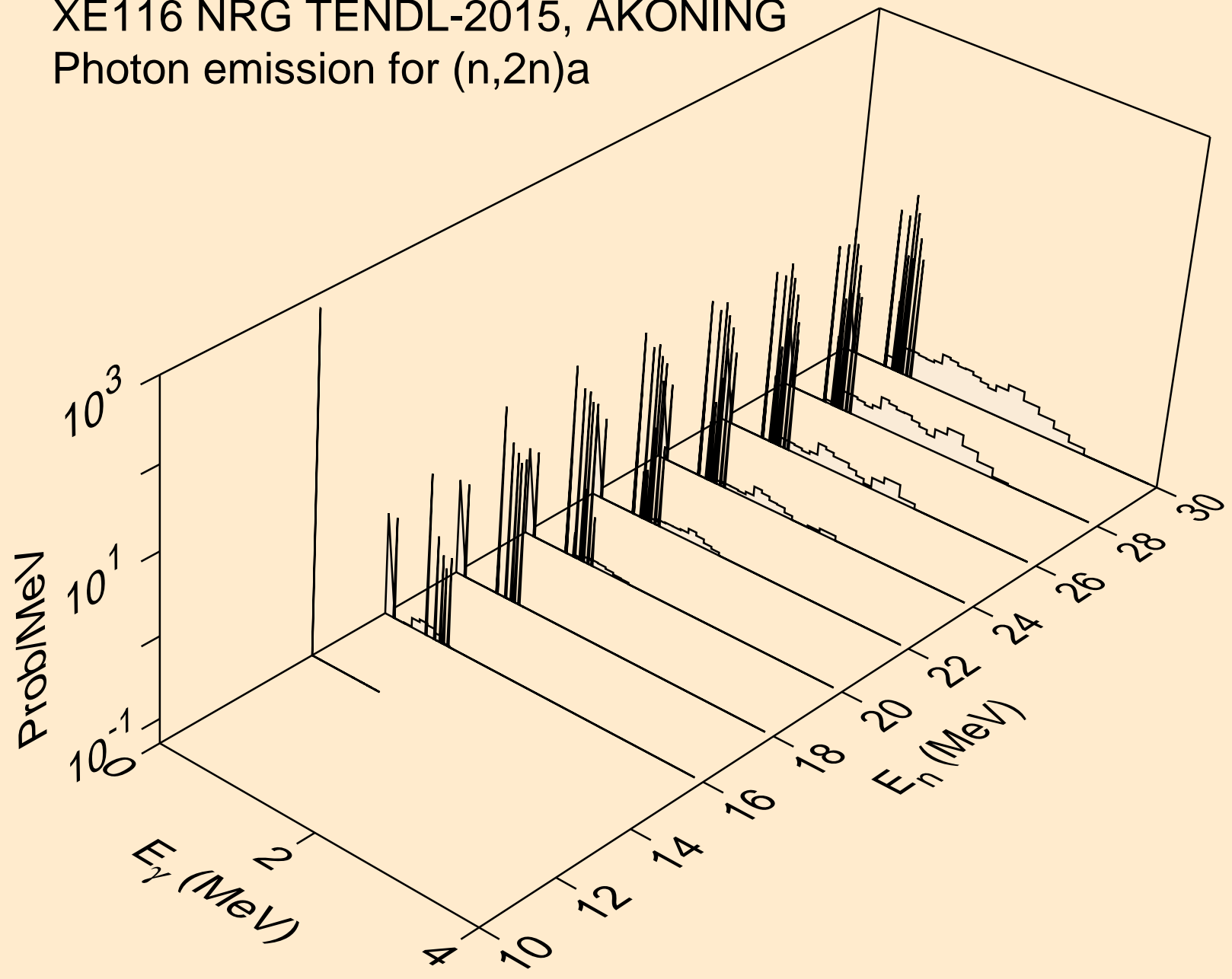




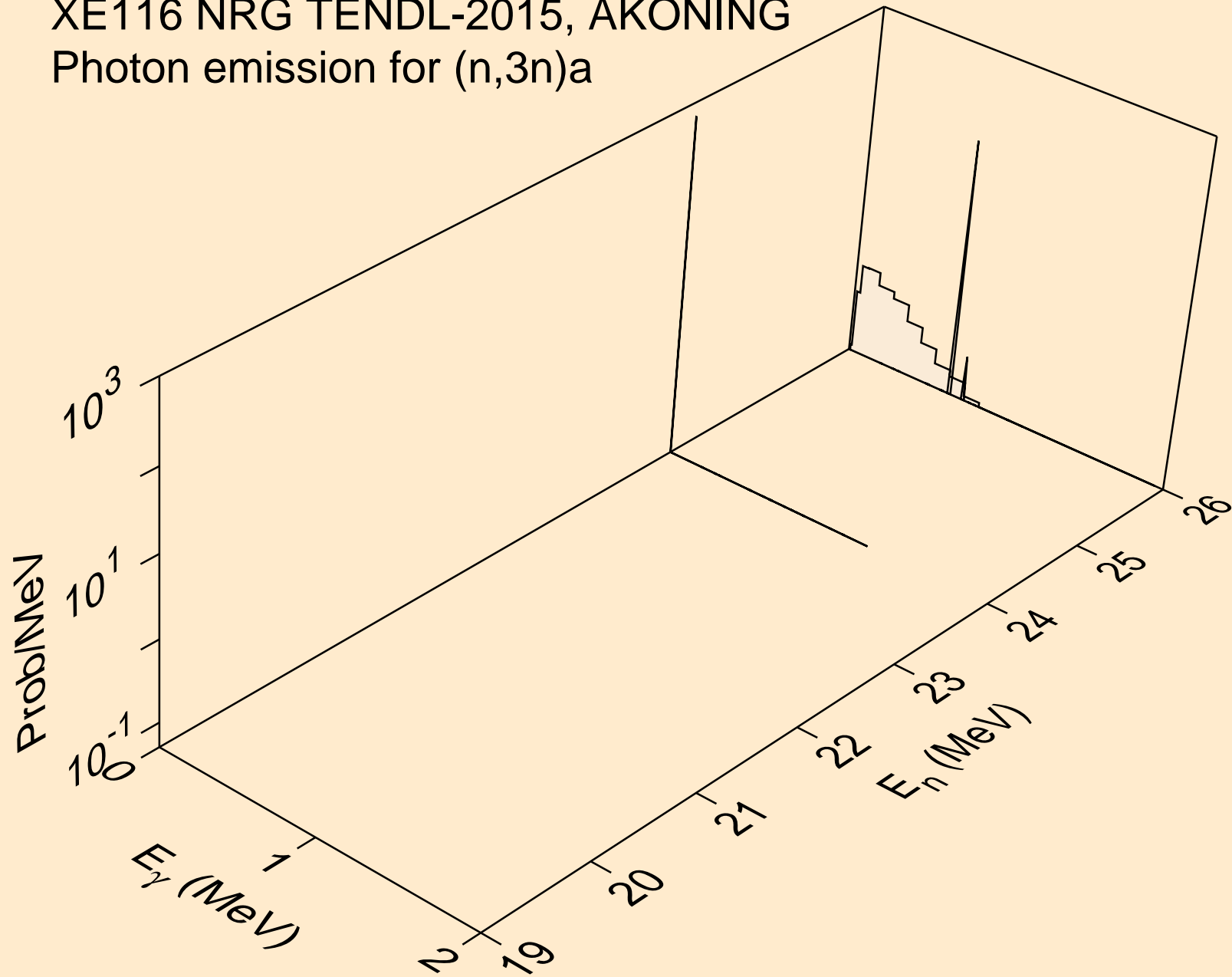
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



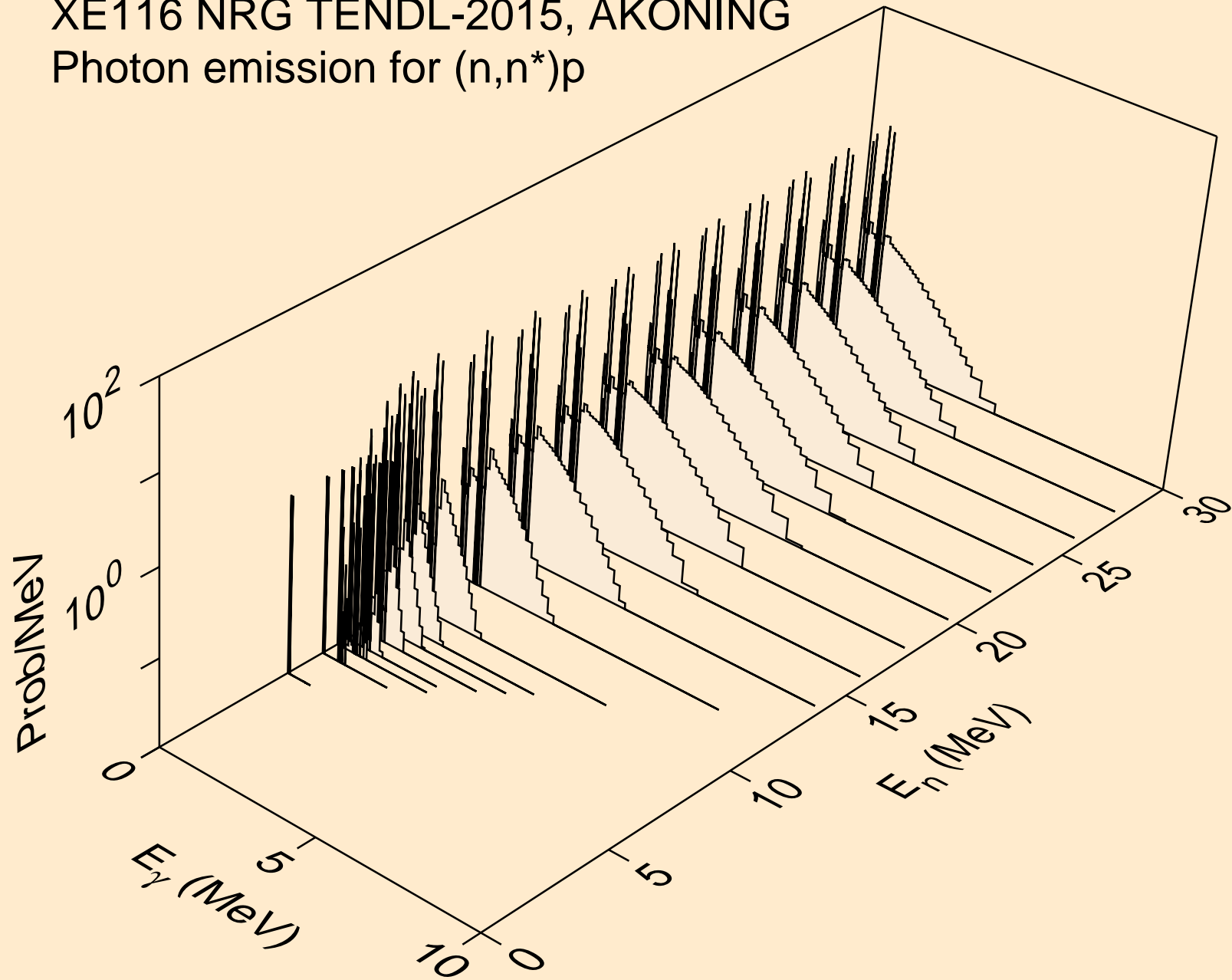
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



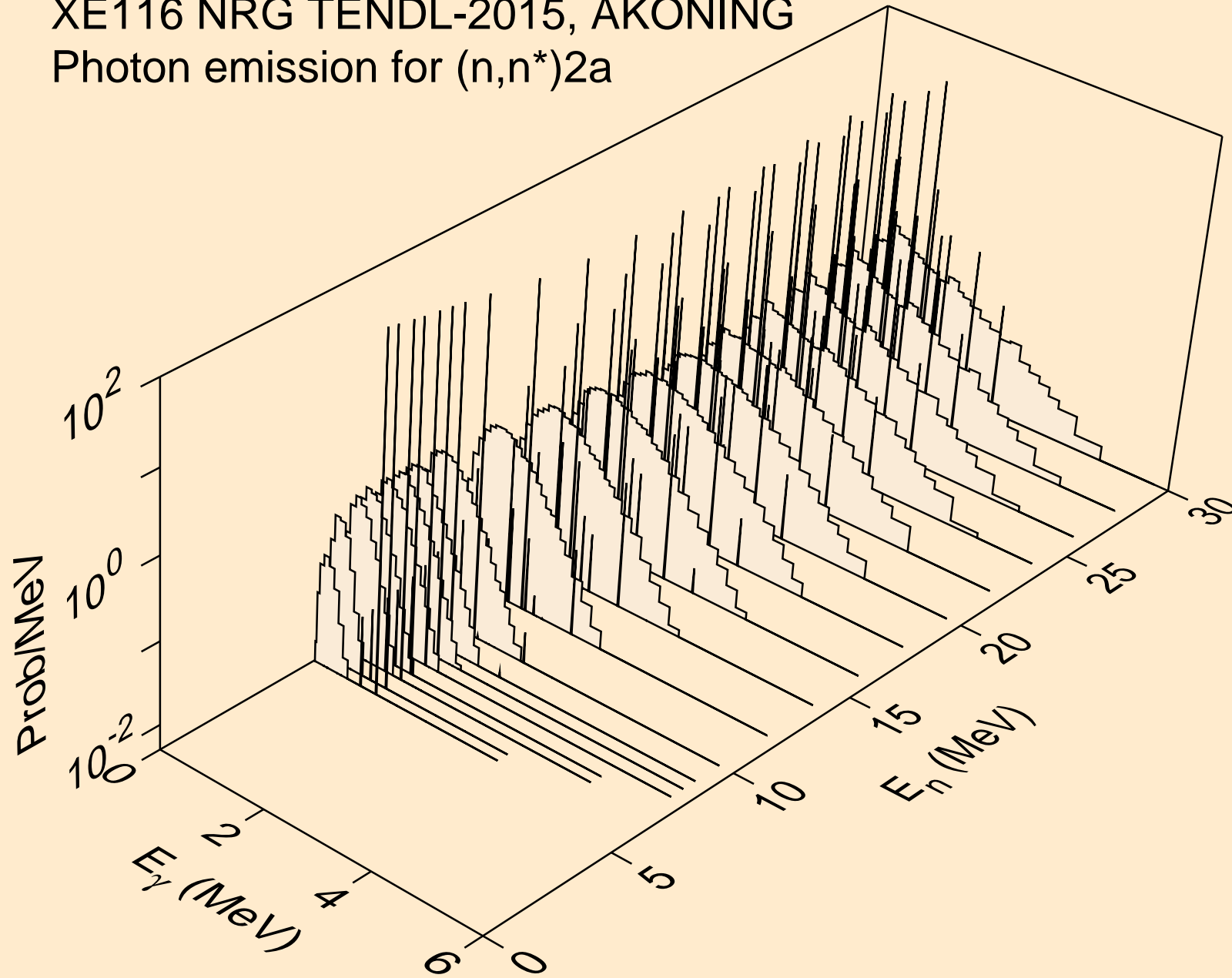
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



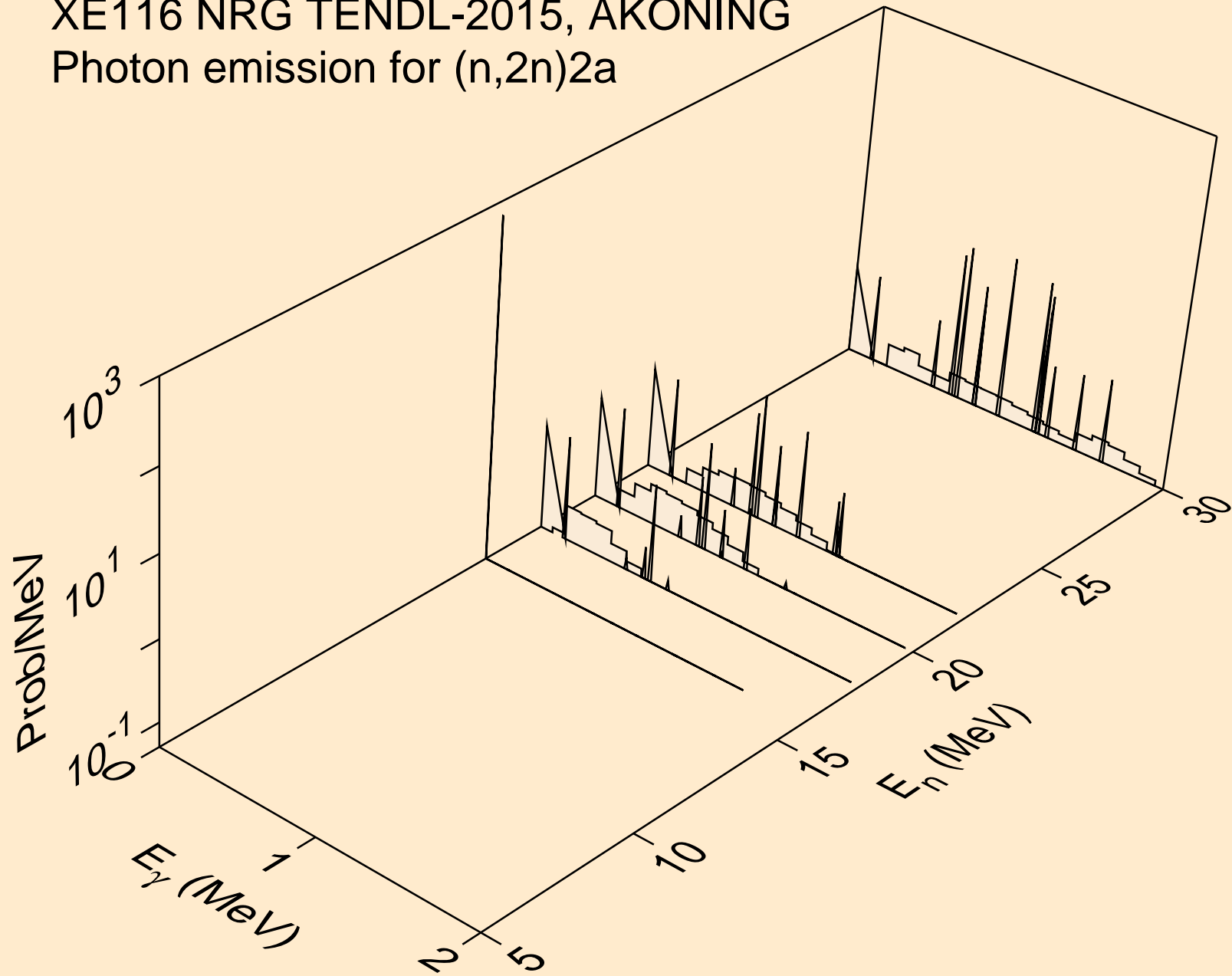
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



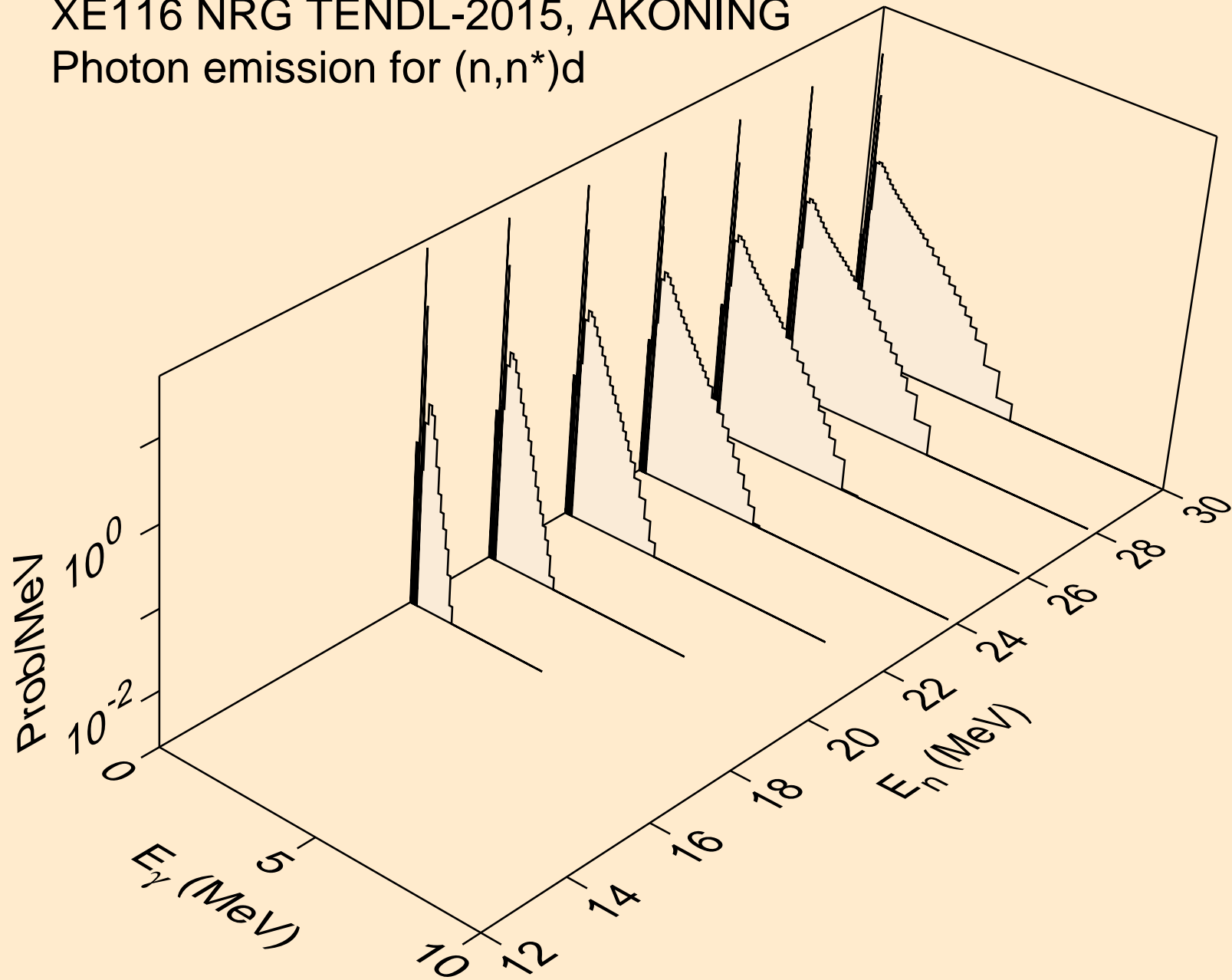
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



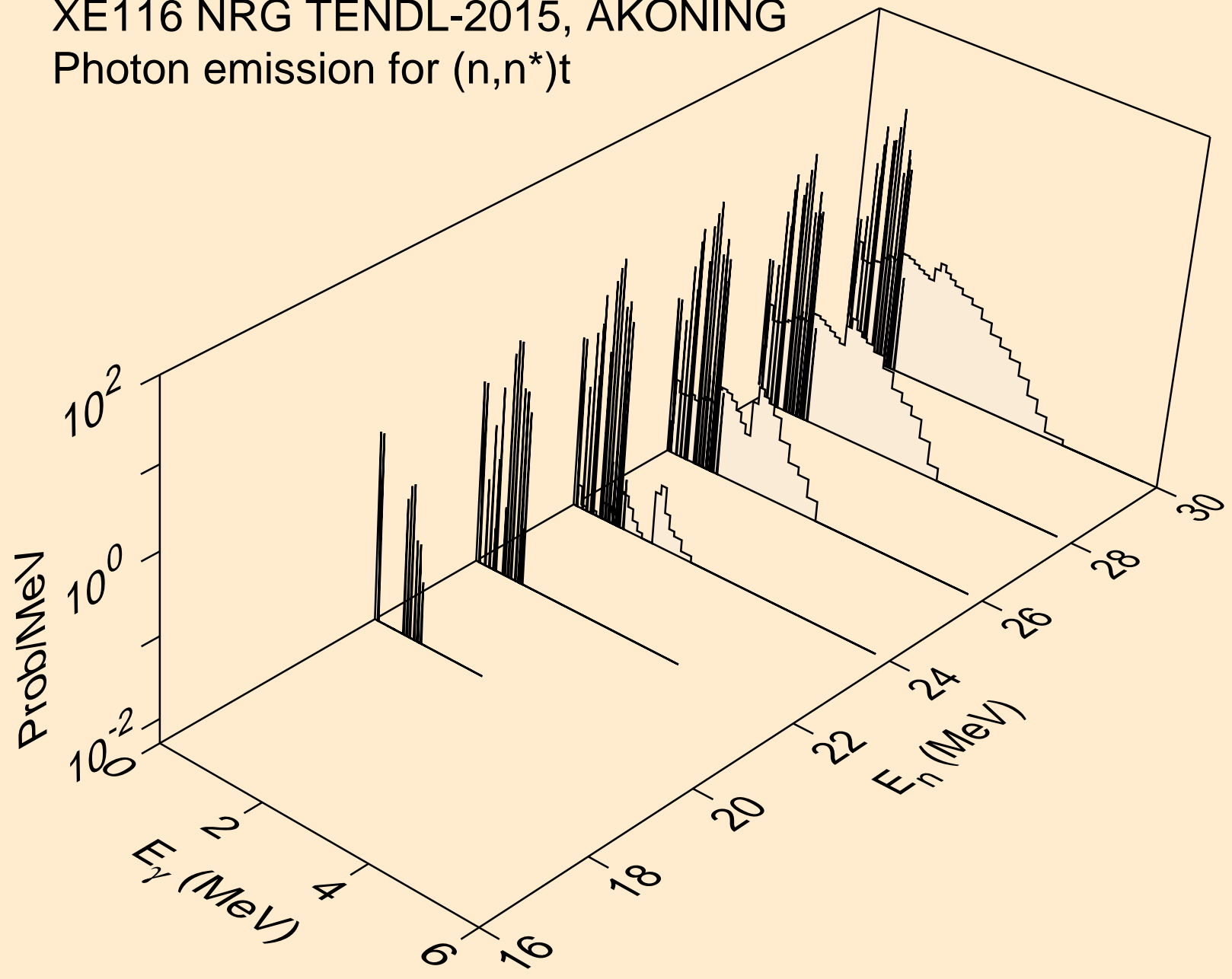
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

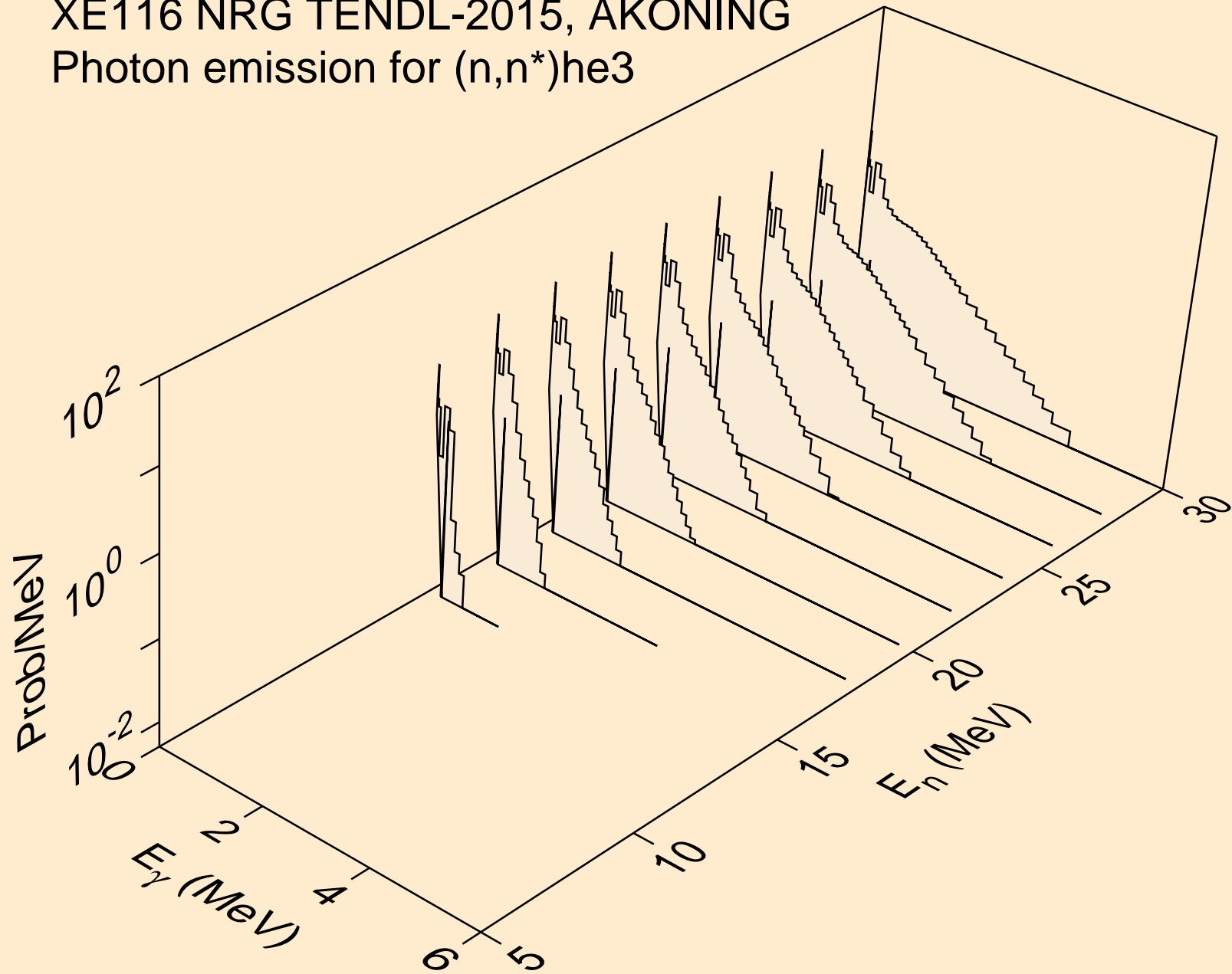


XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

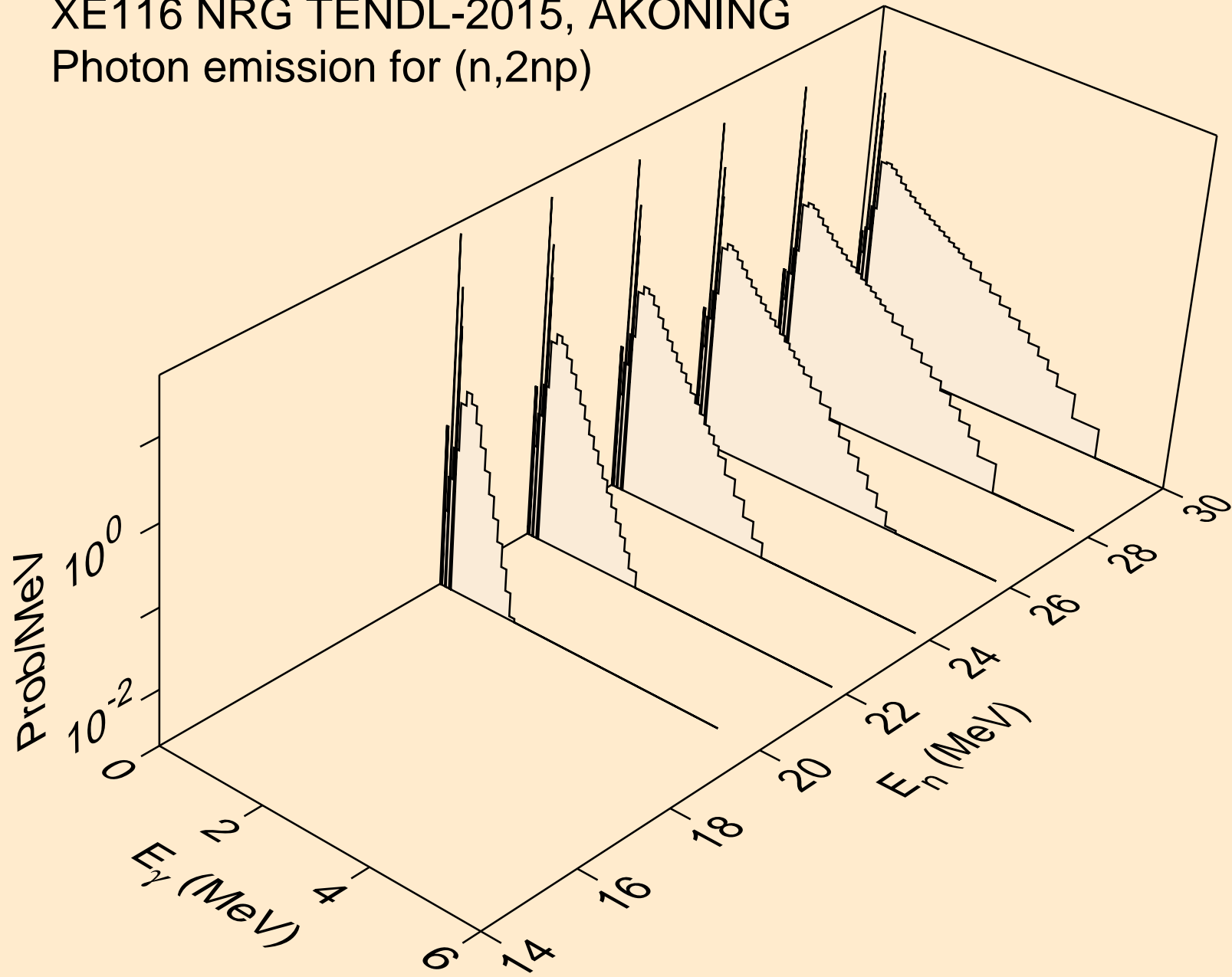




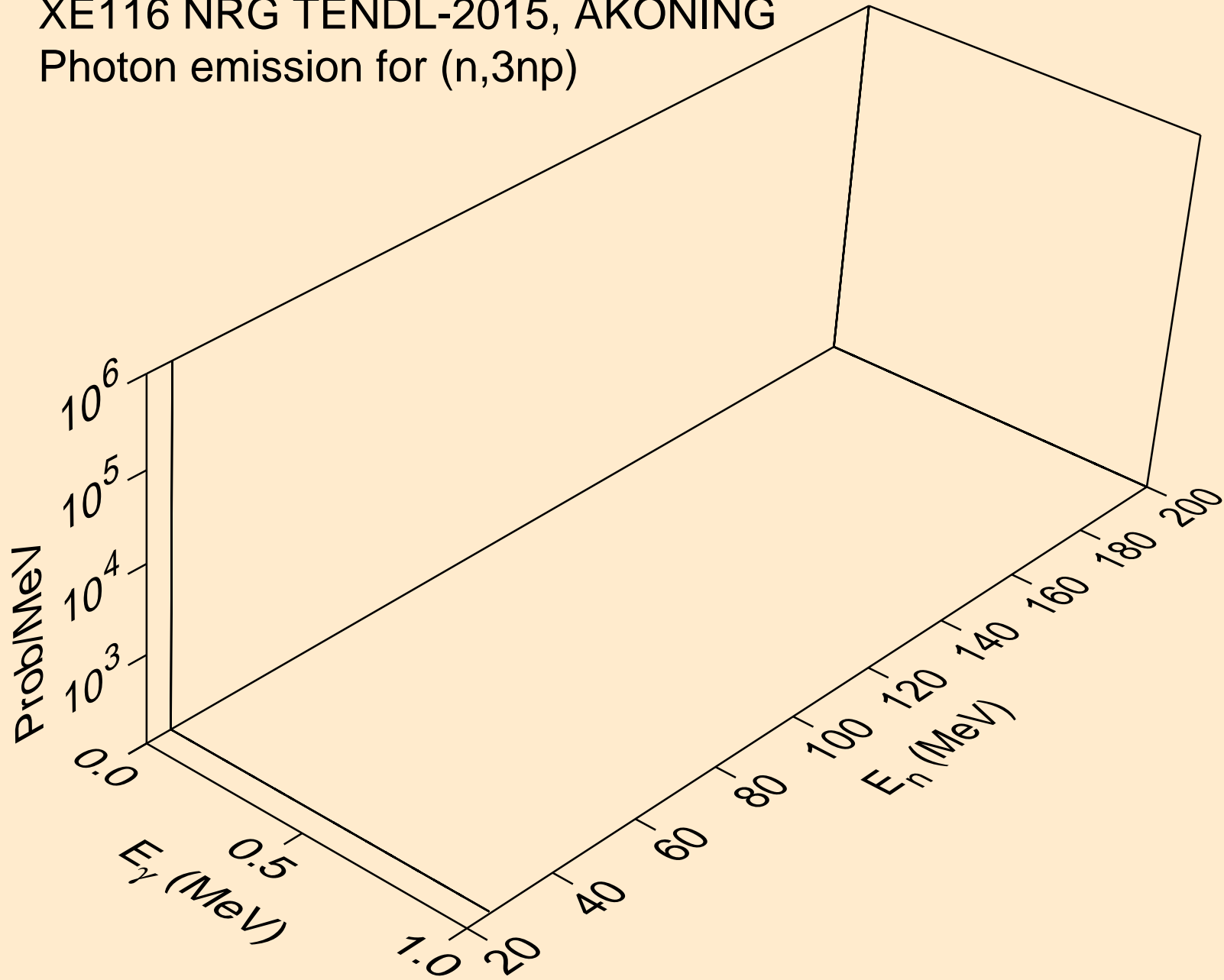
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



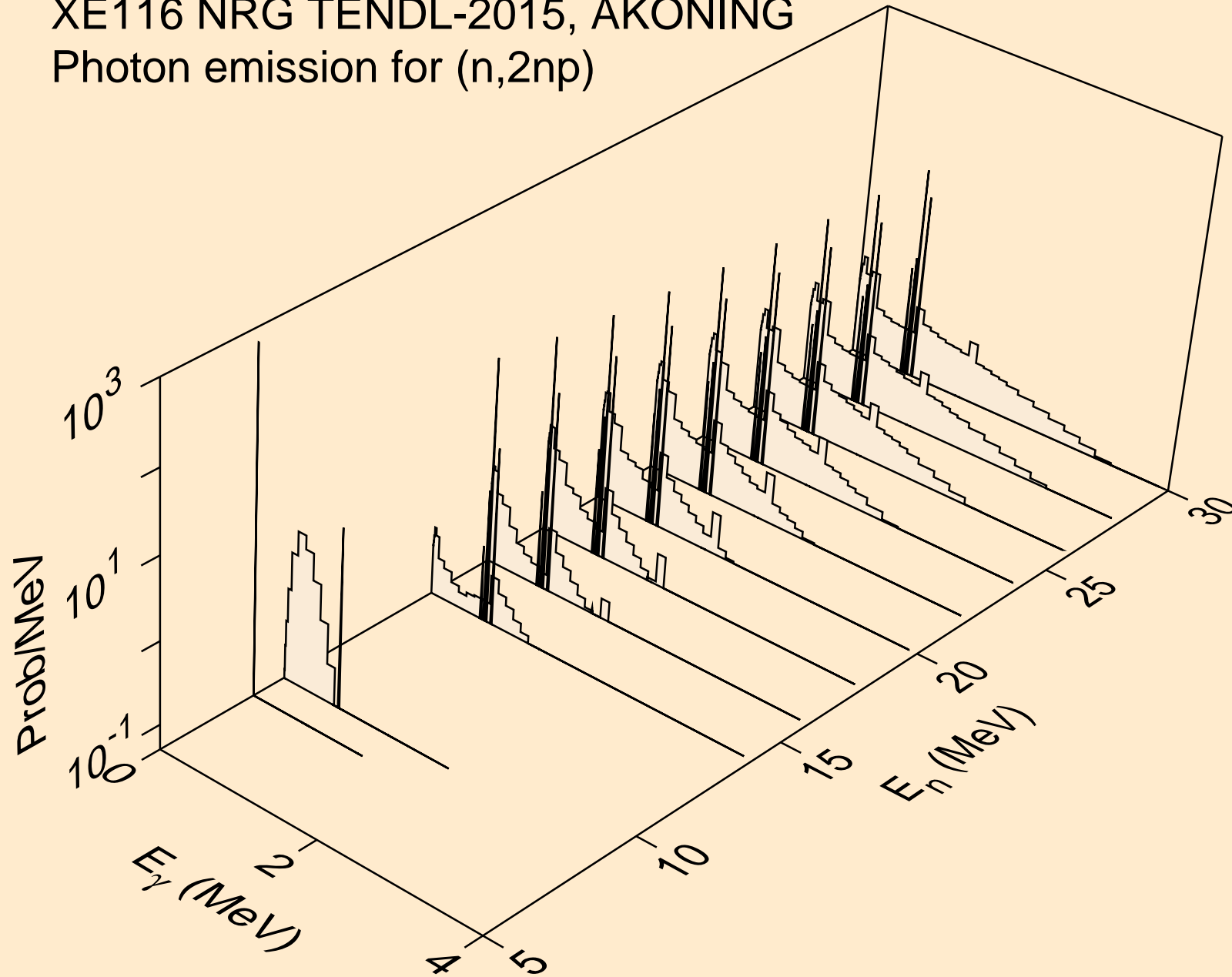
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



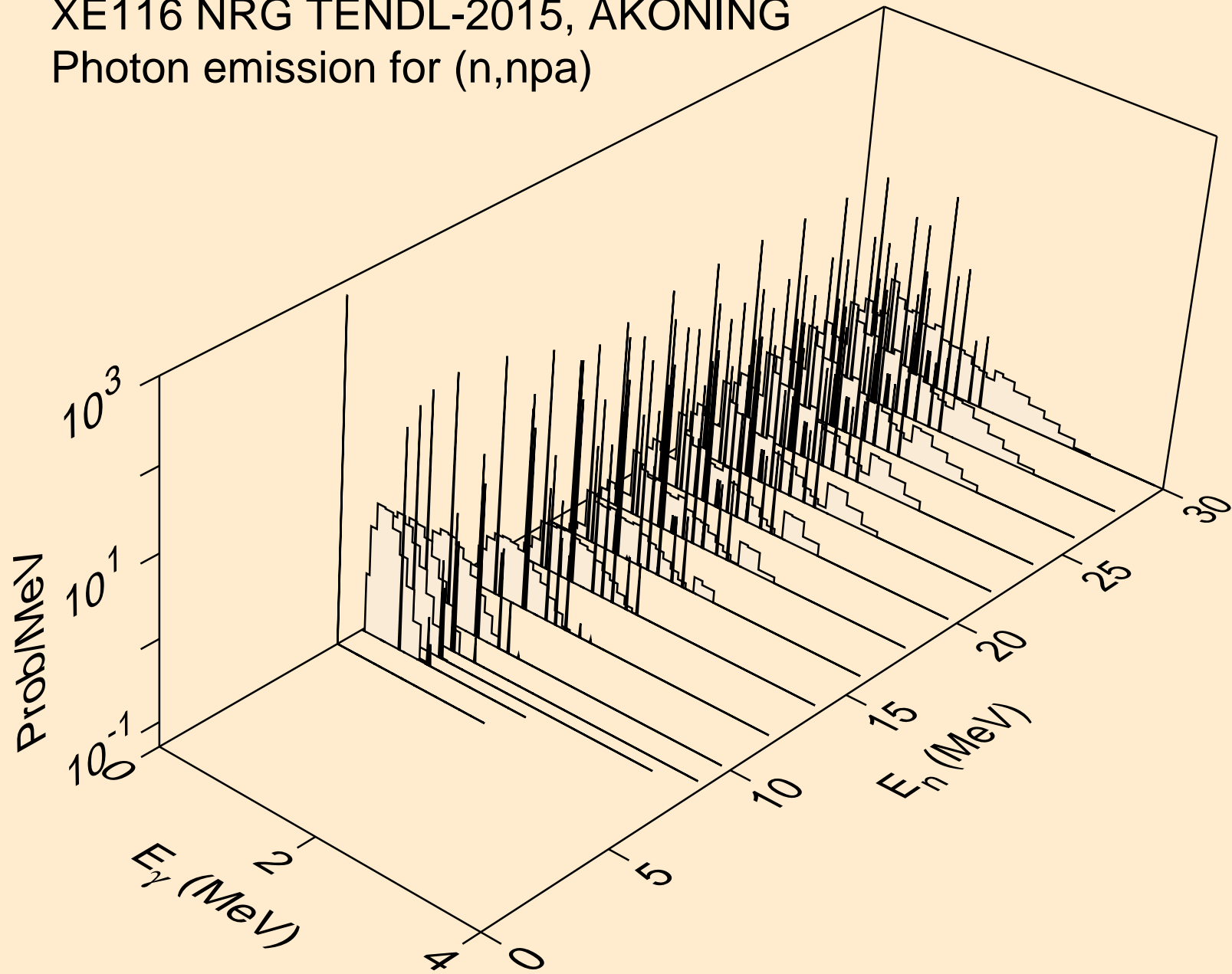
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



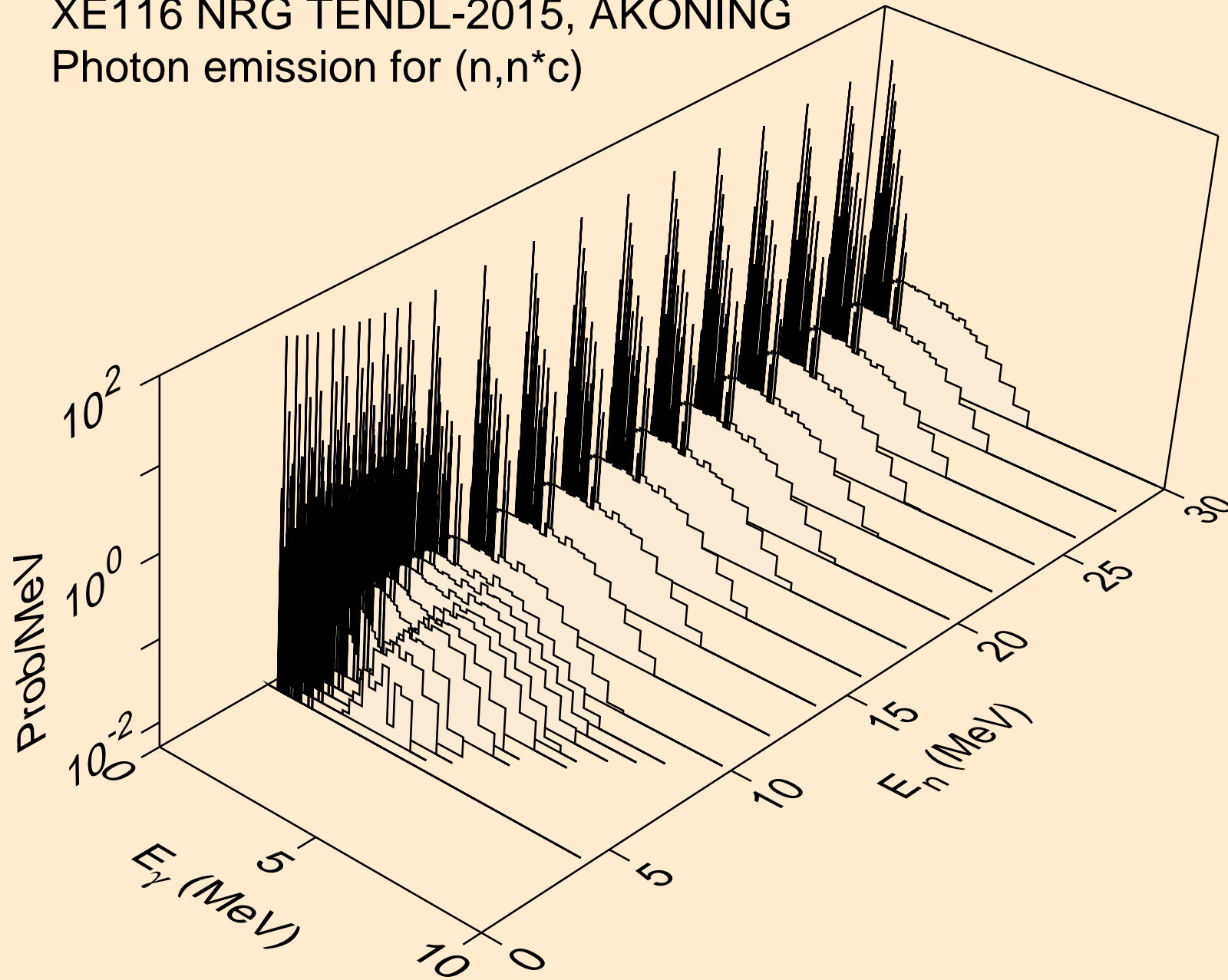
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



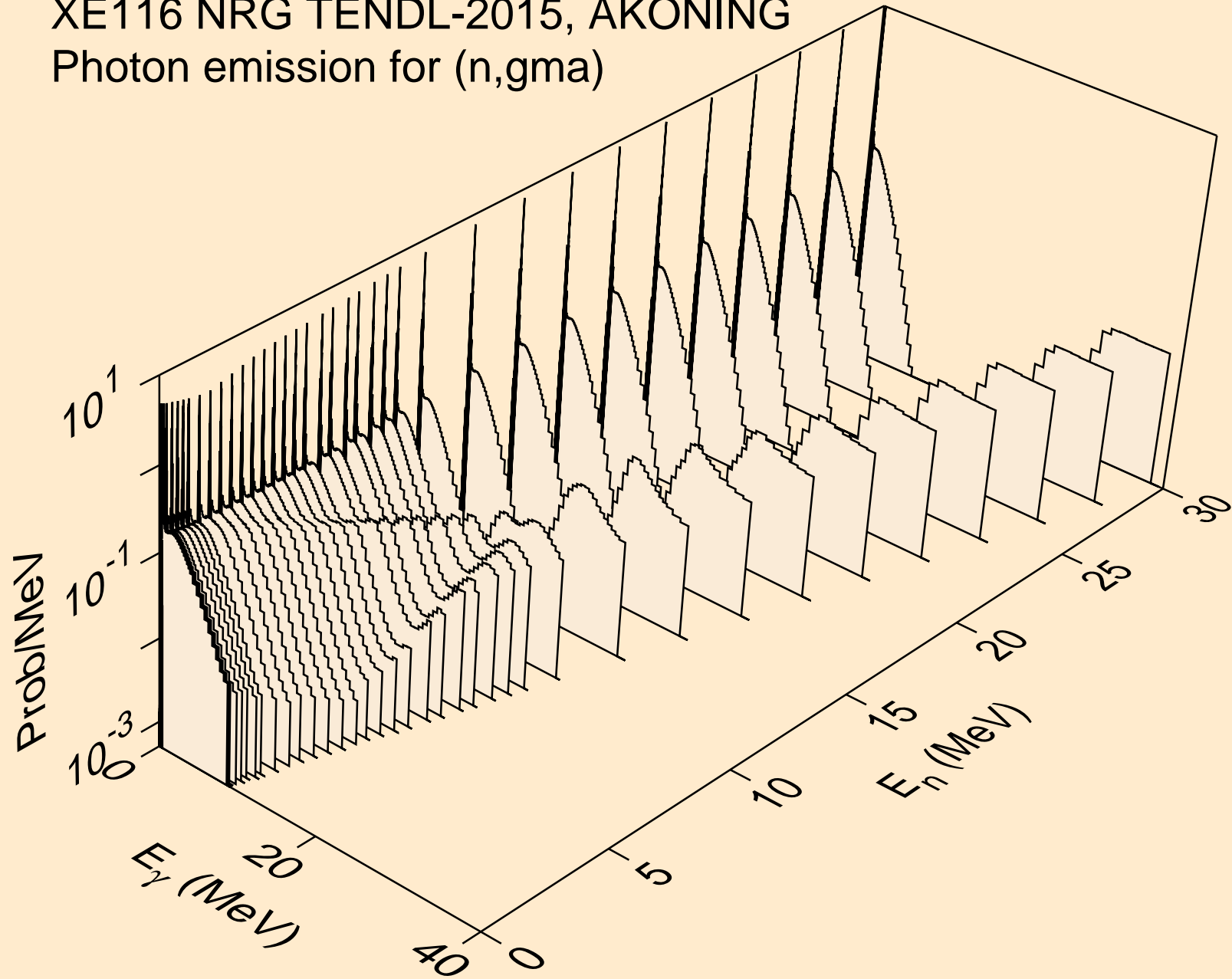
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



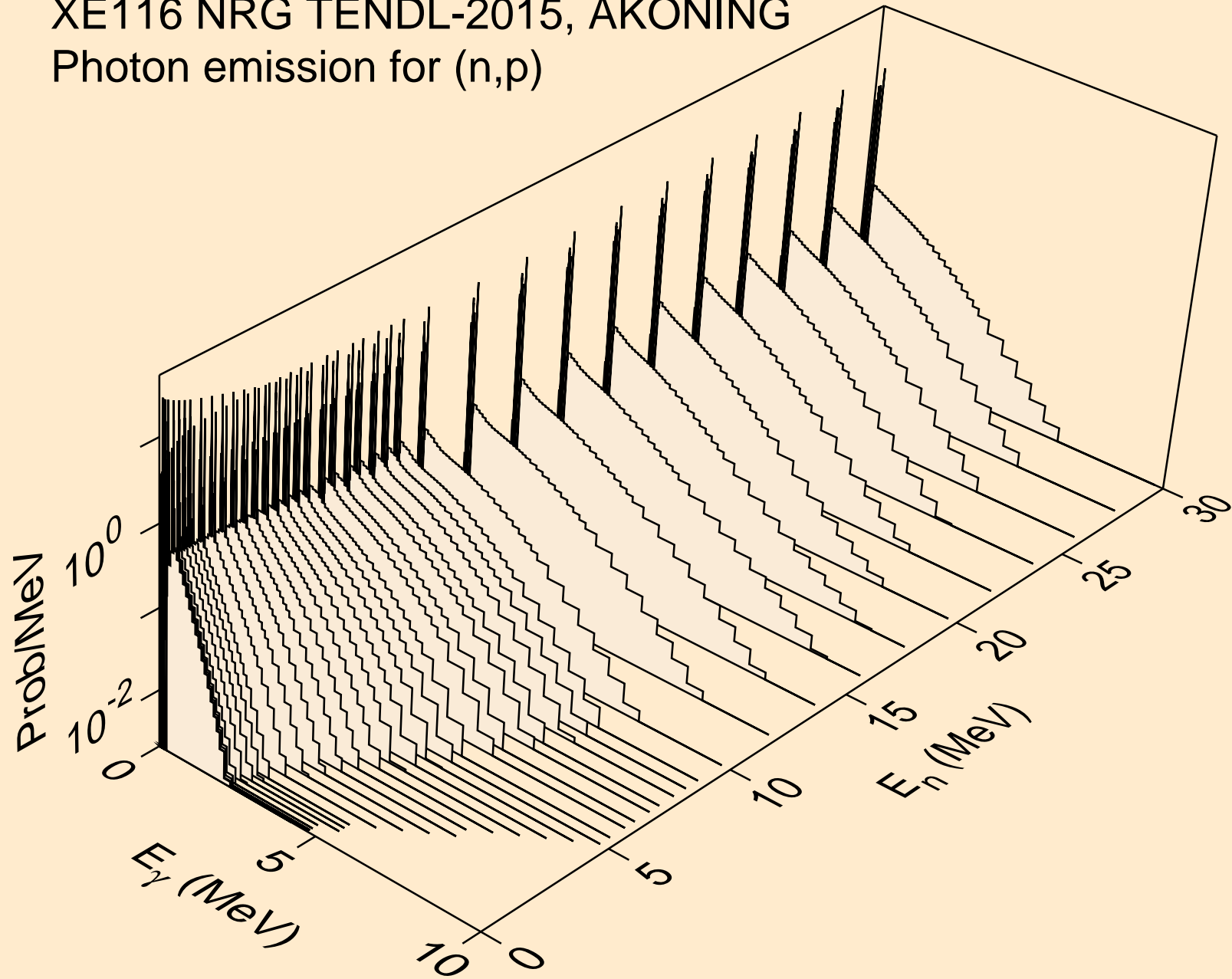
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

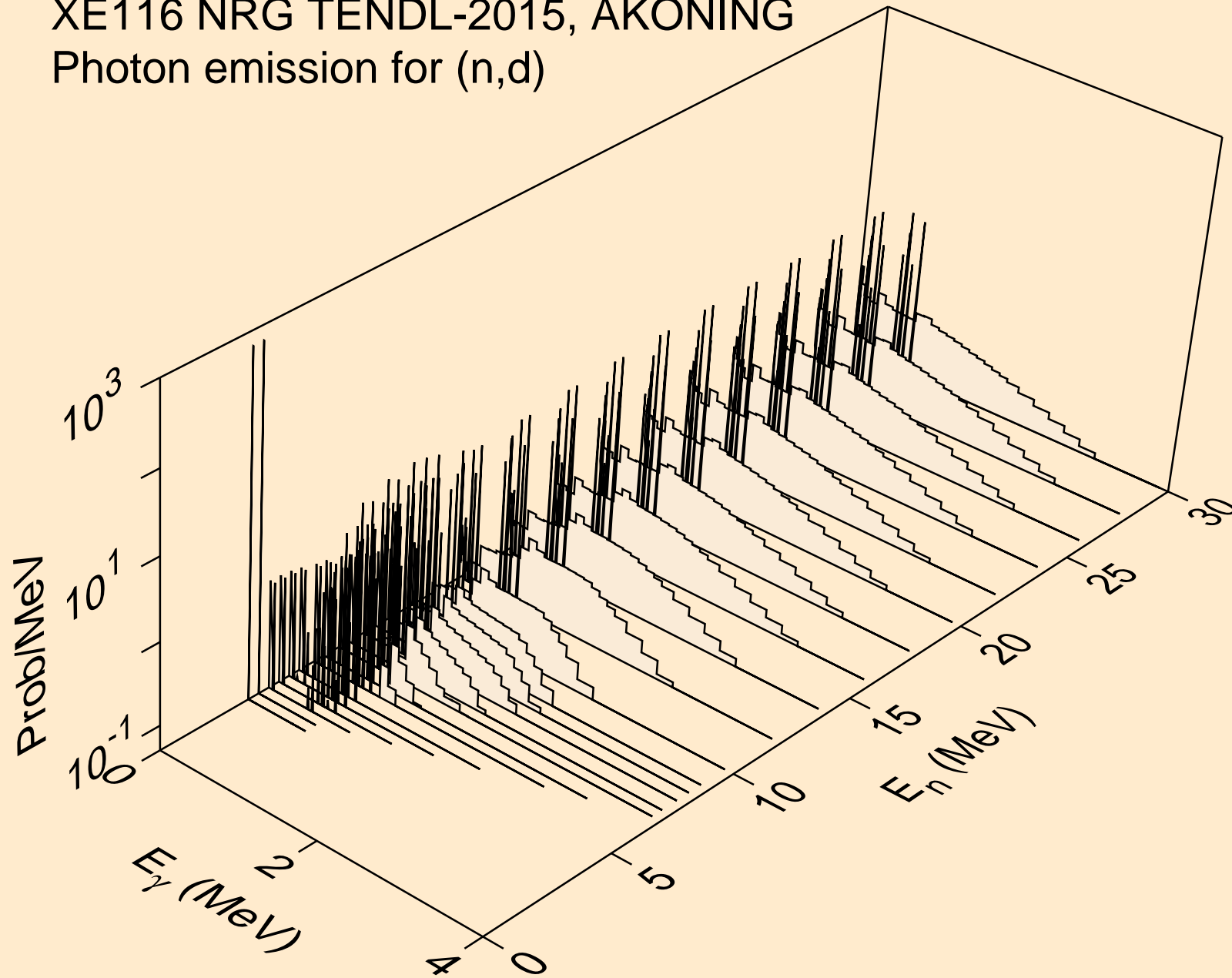


XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

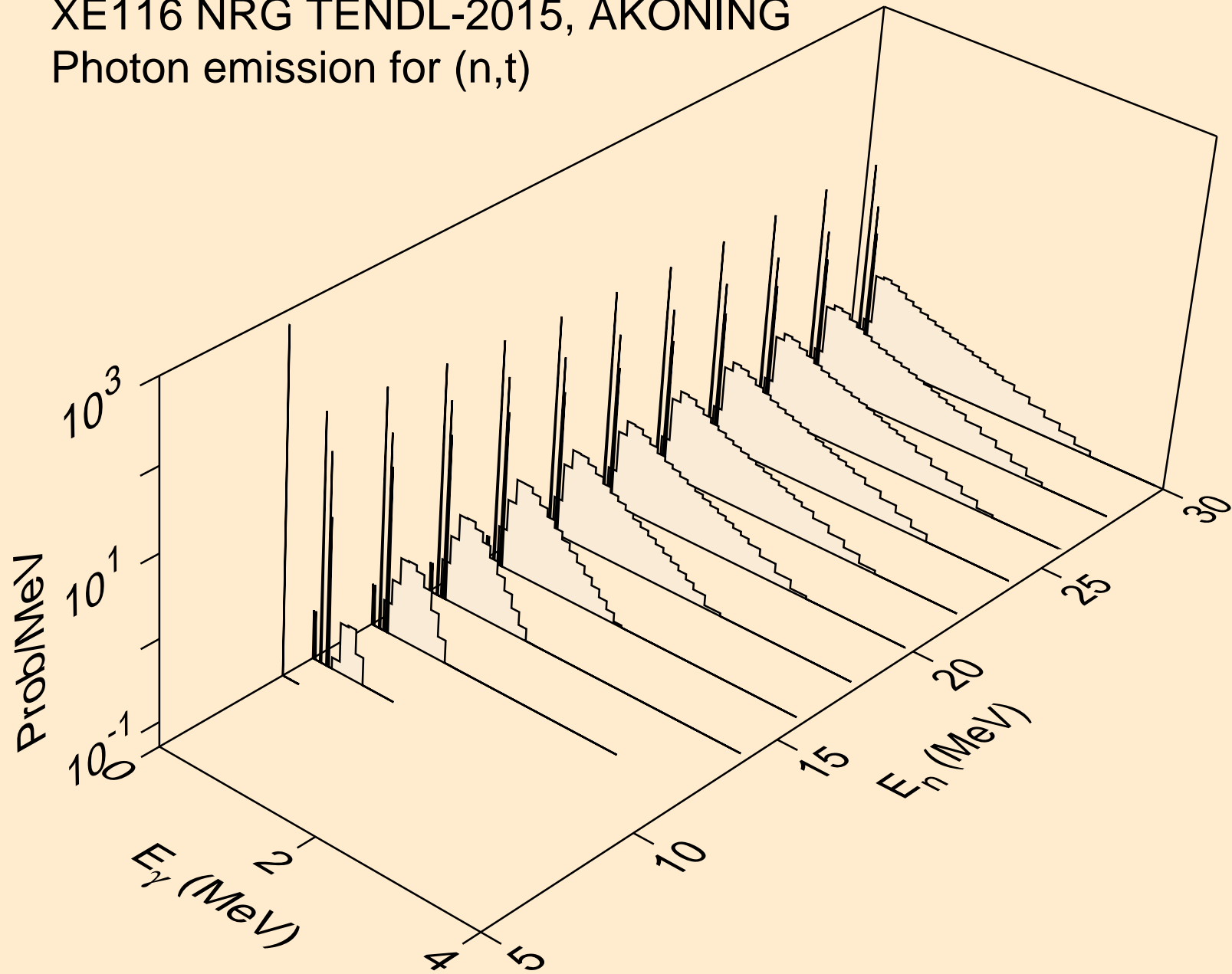




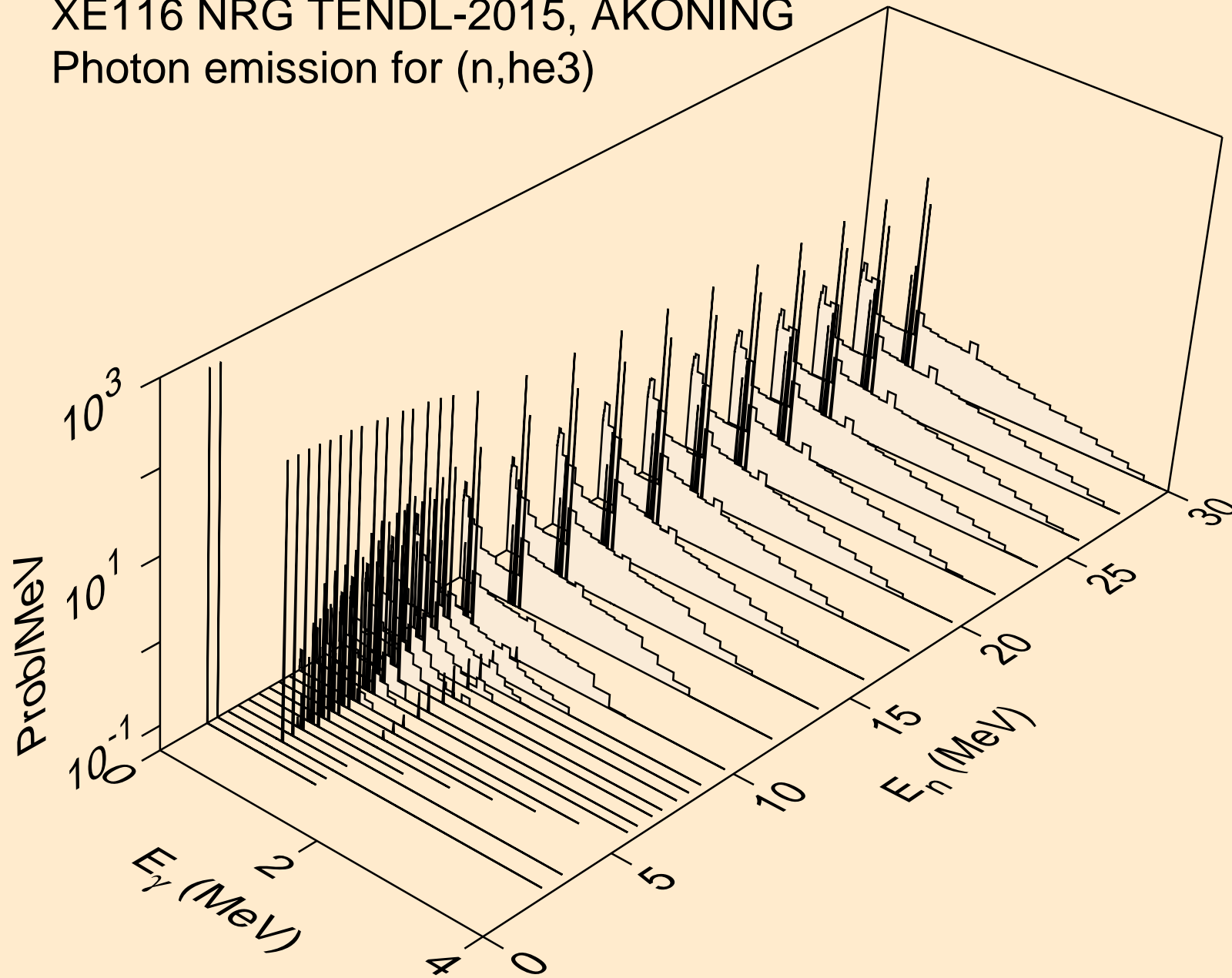
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



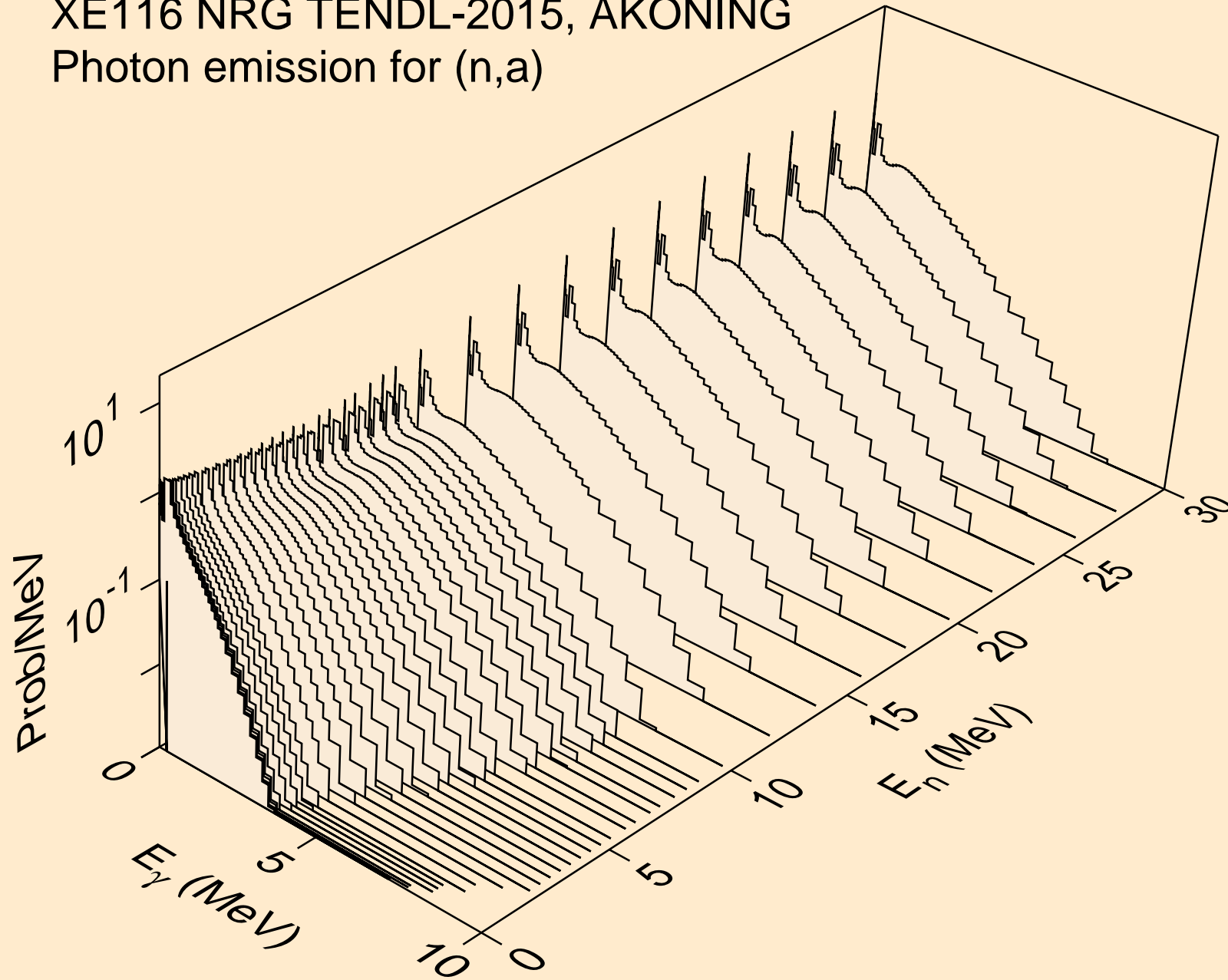
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



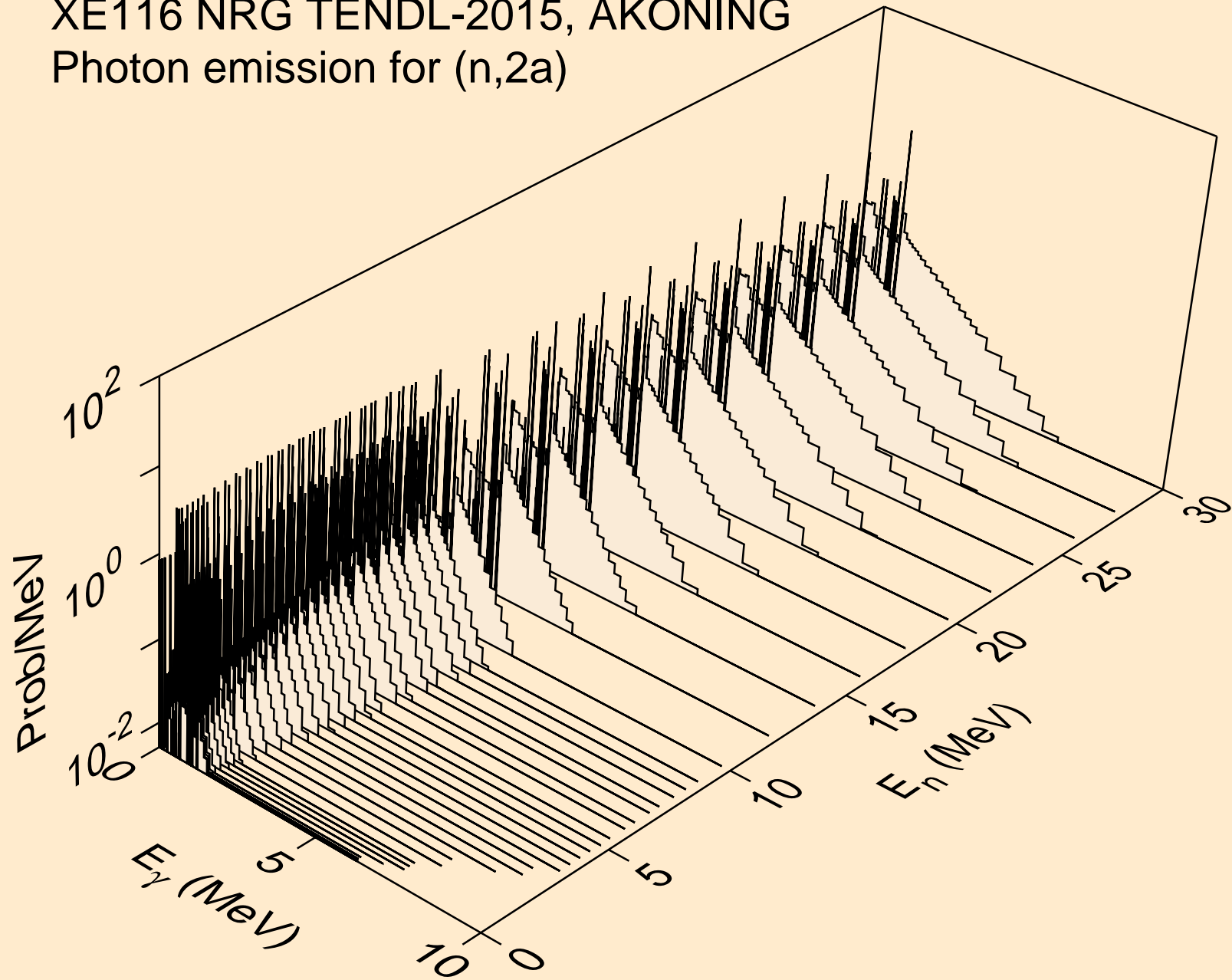
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



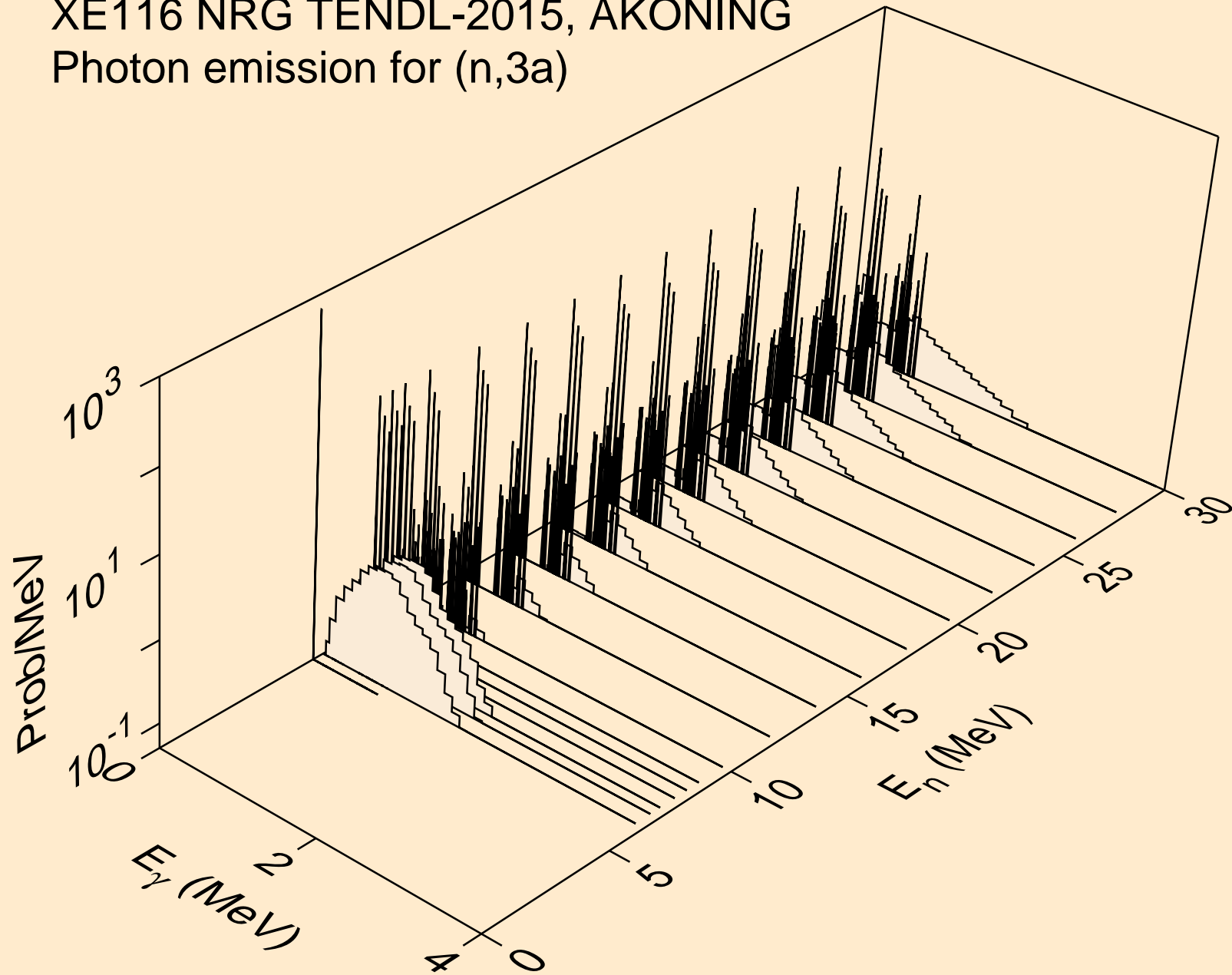
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



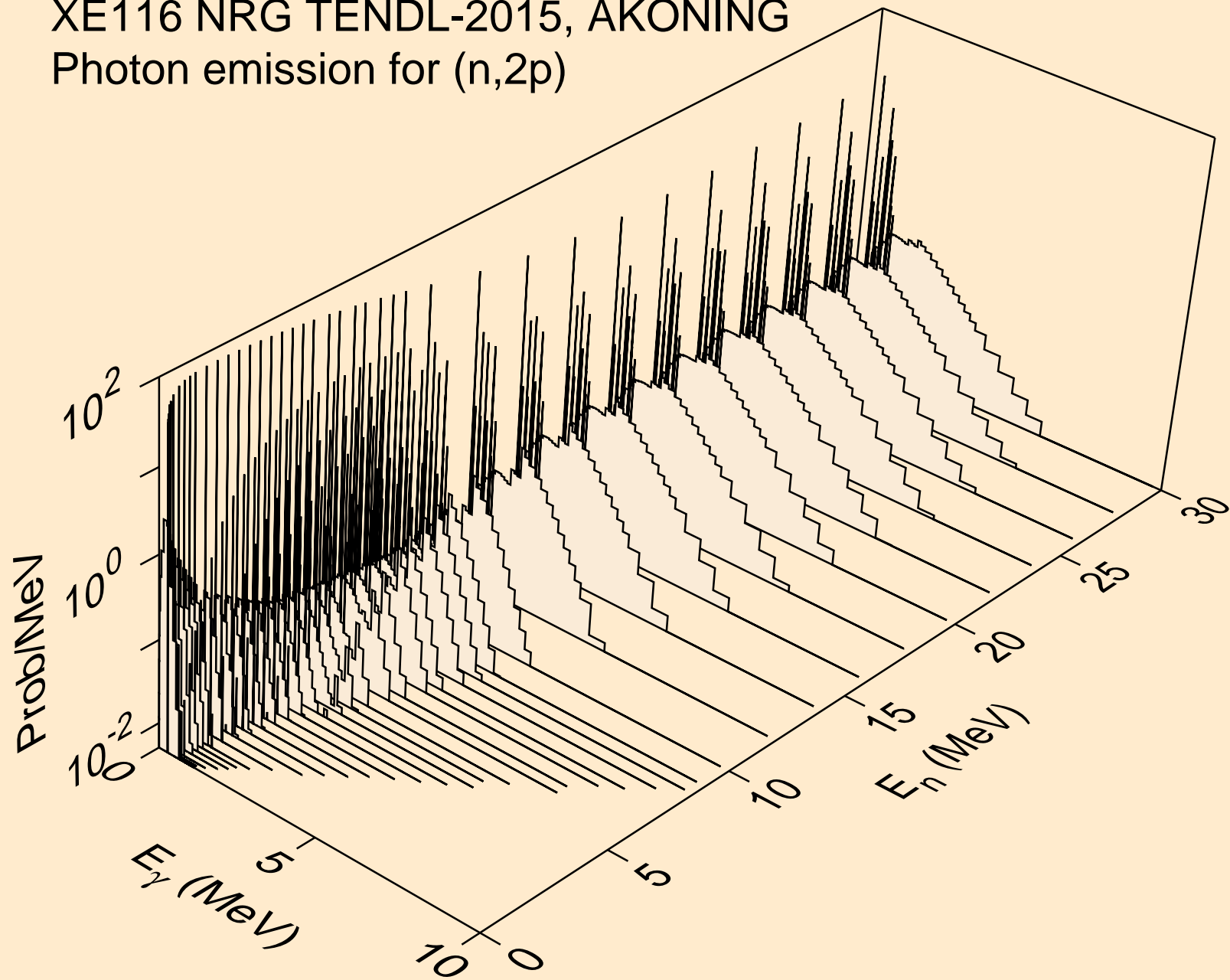
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



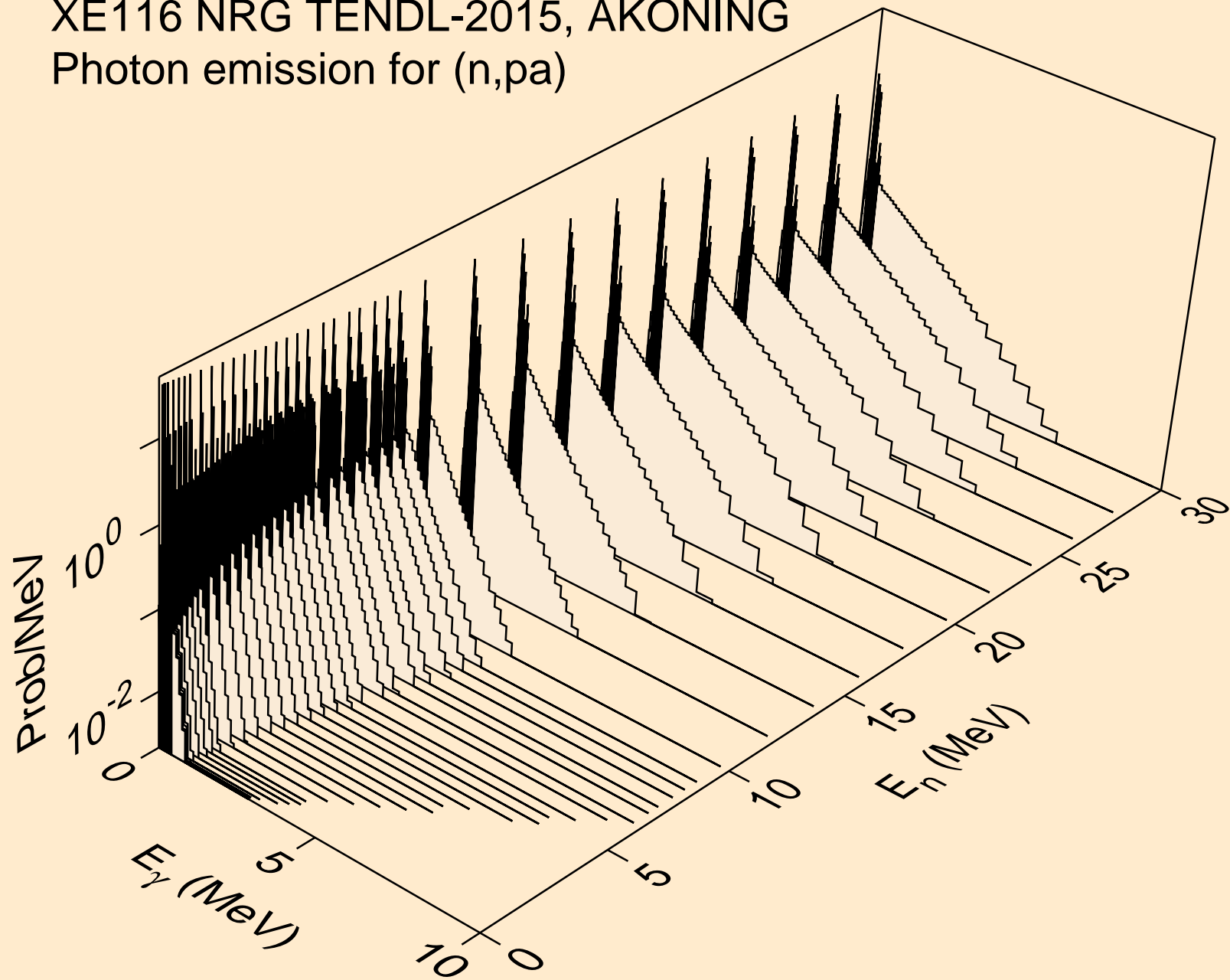
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

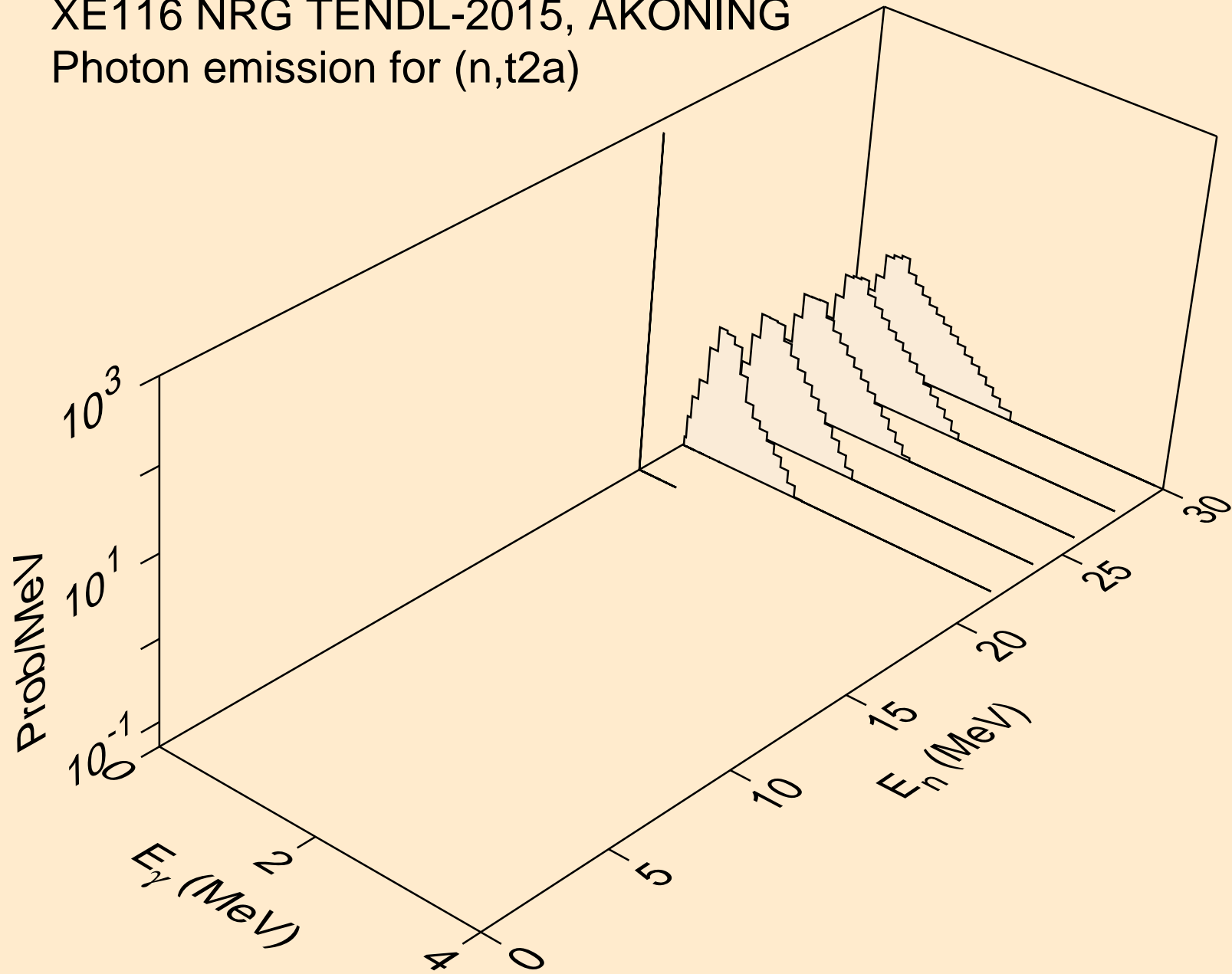


XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

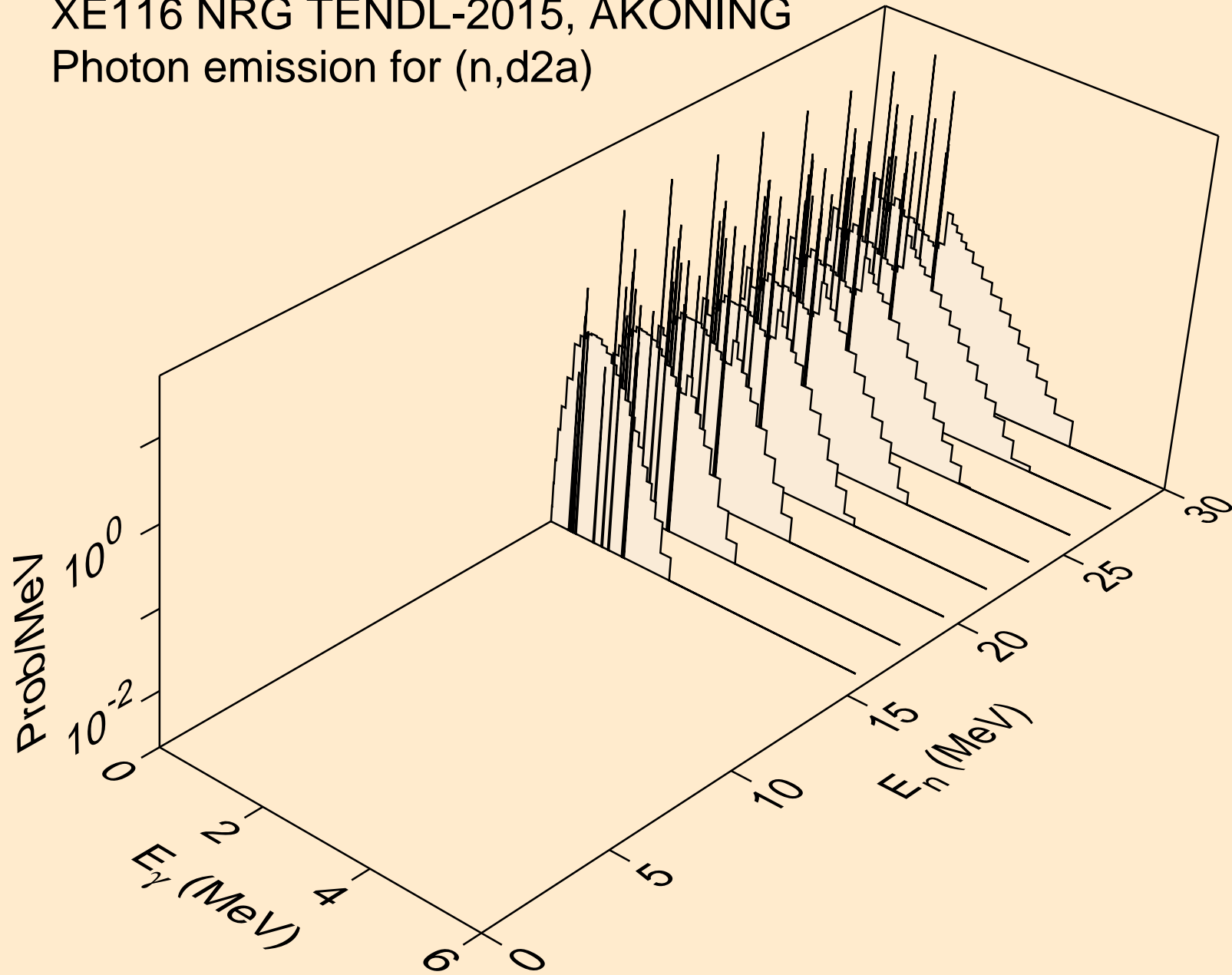




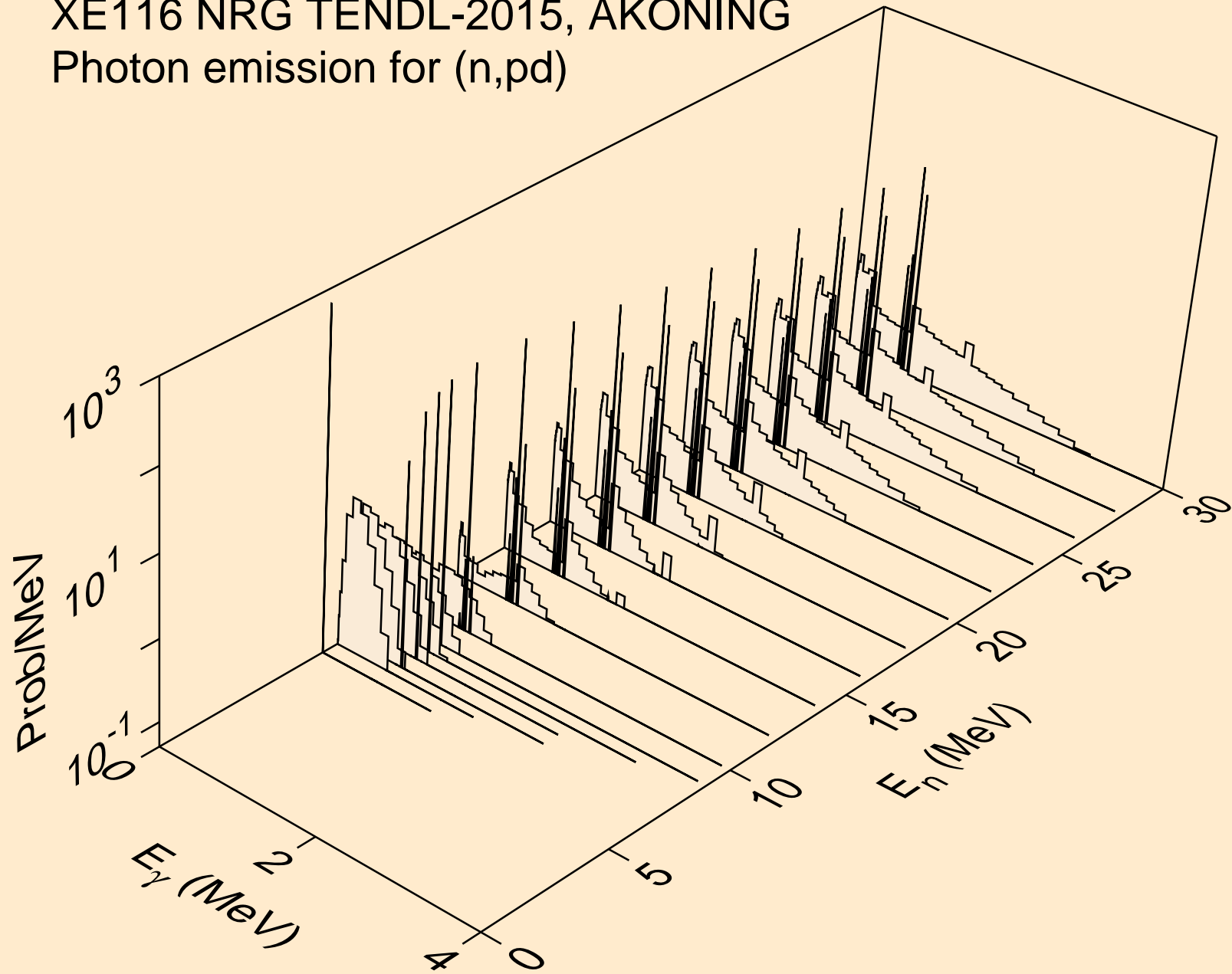
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



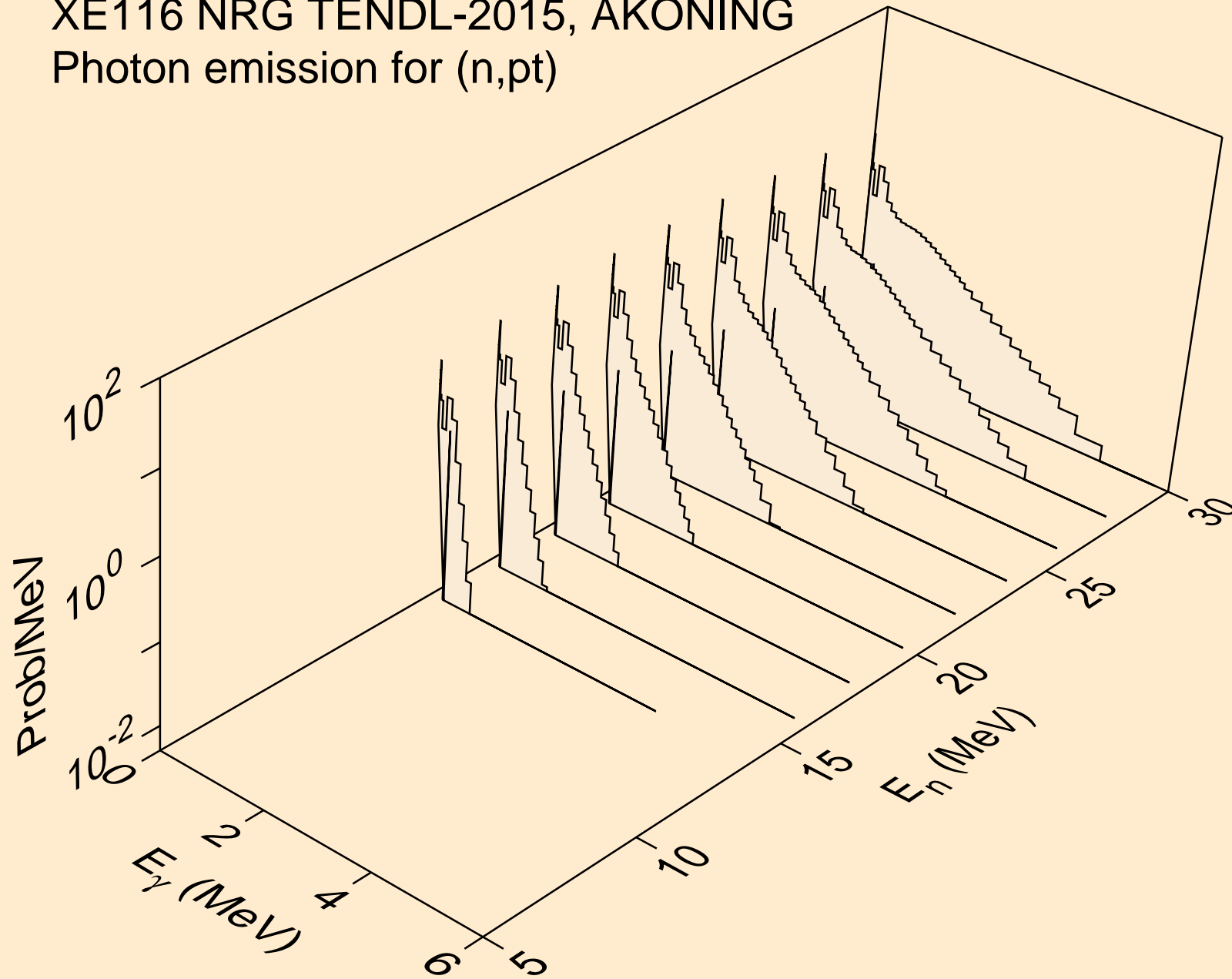
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



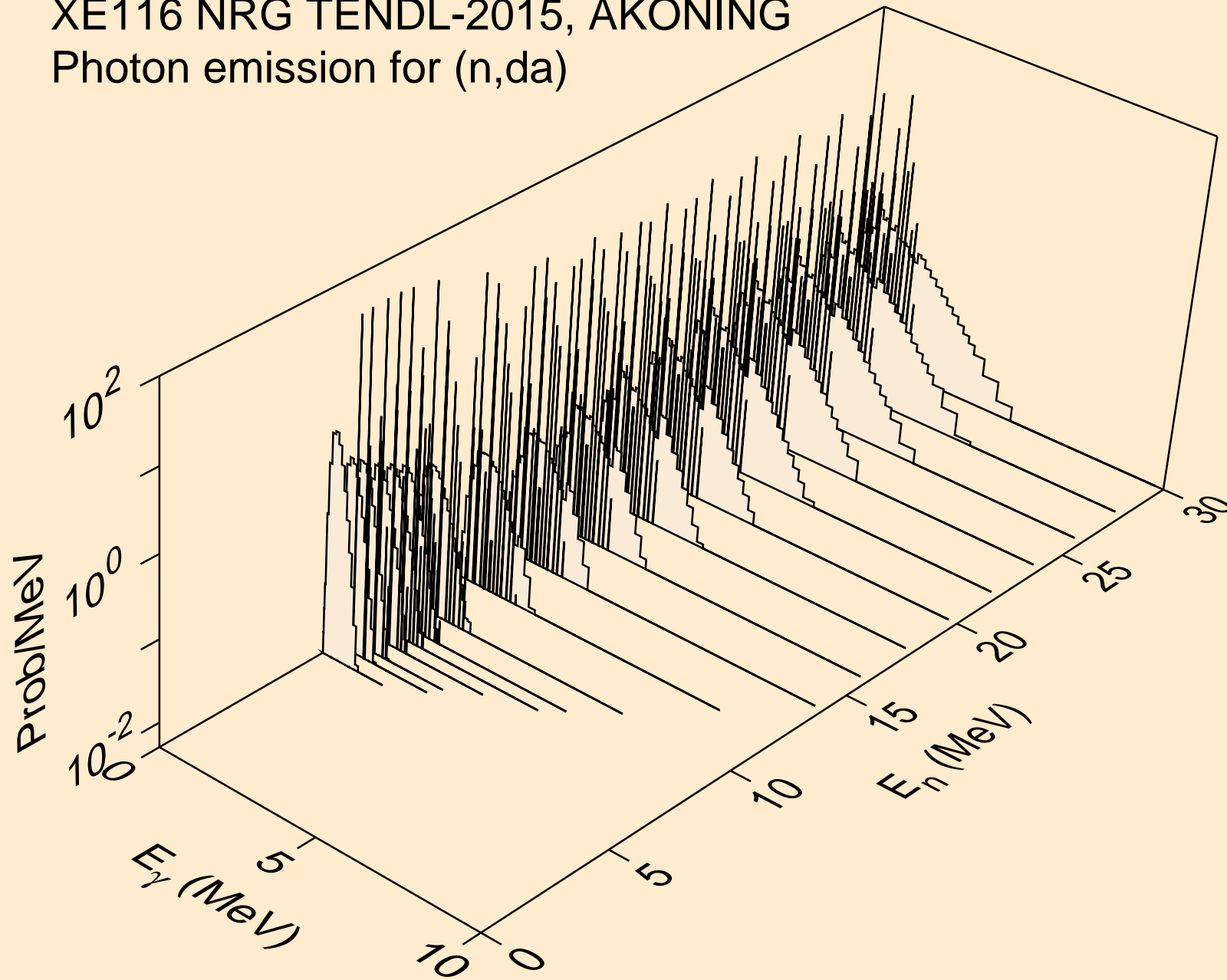
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



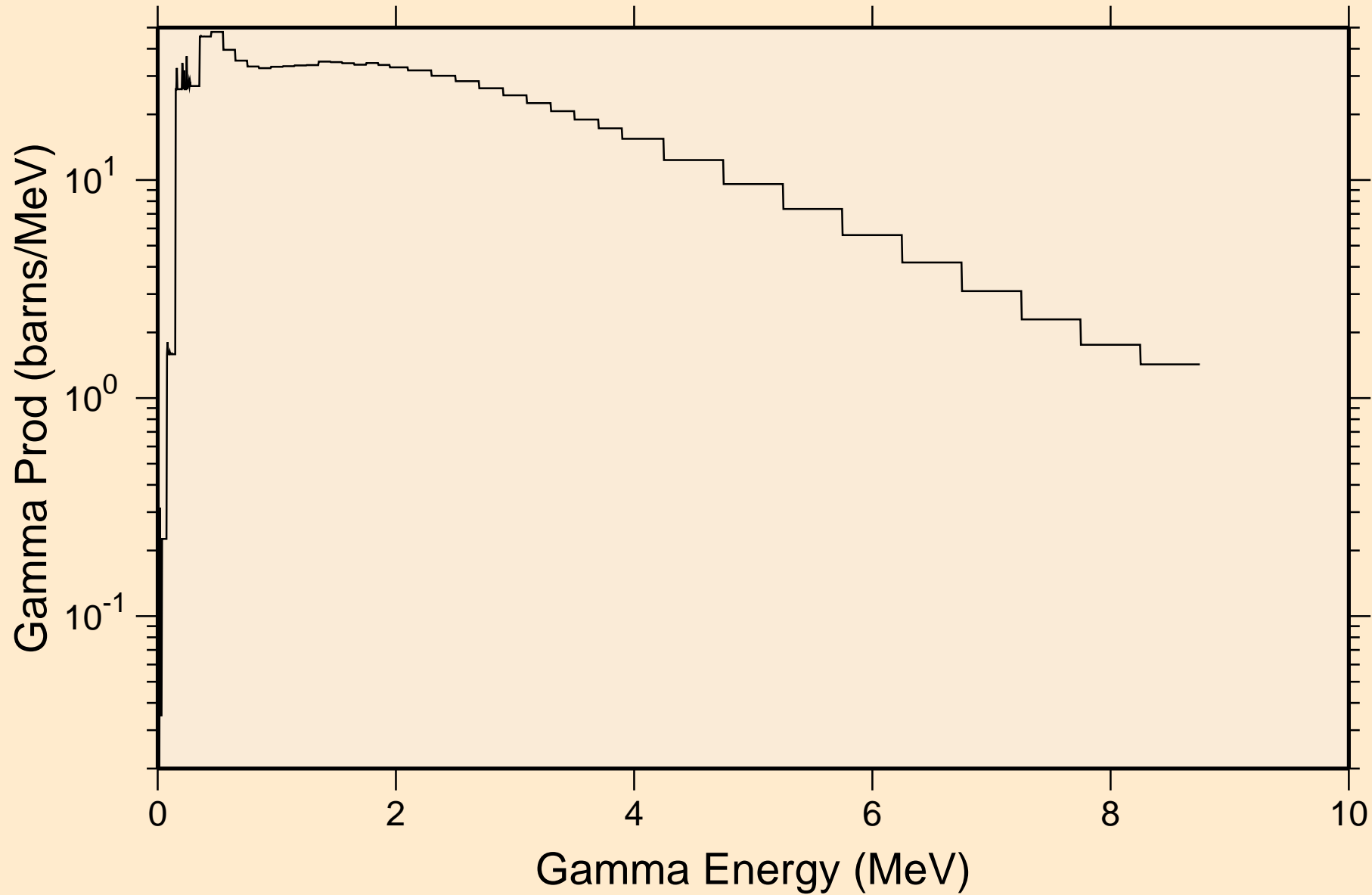
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



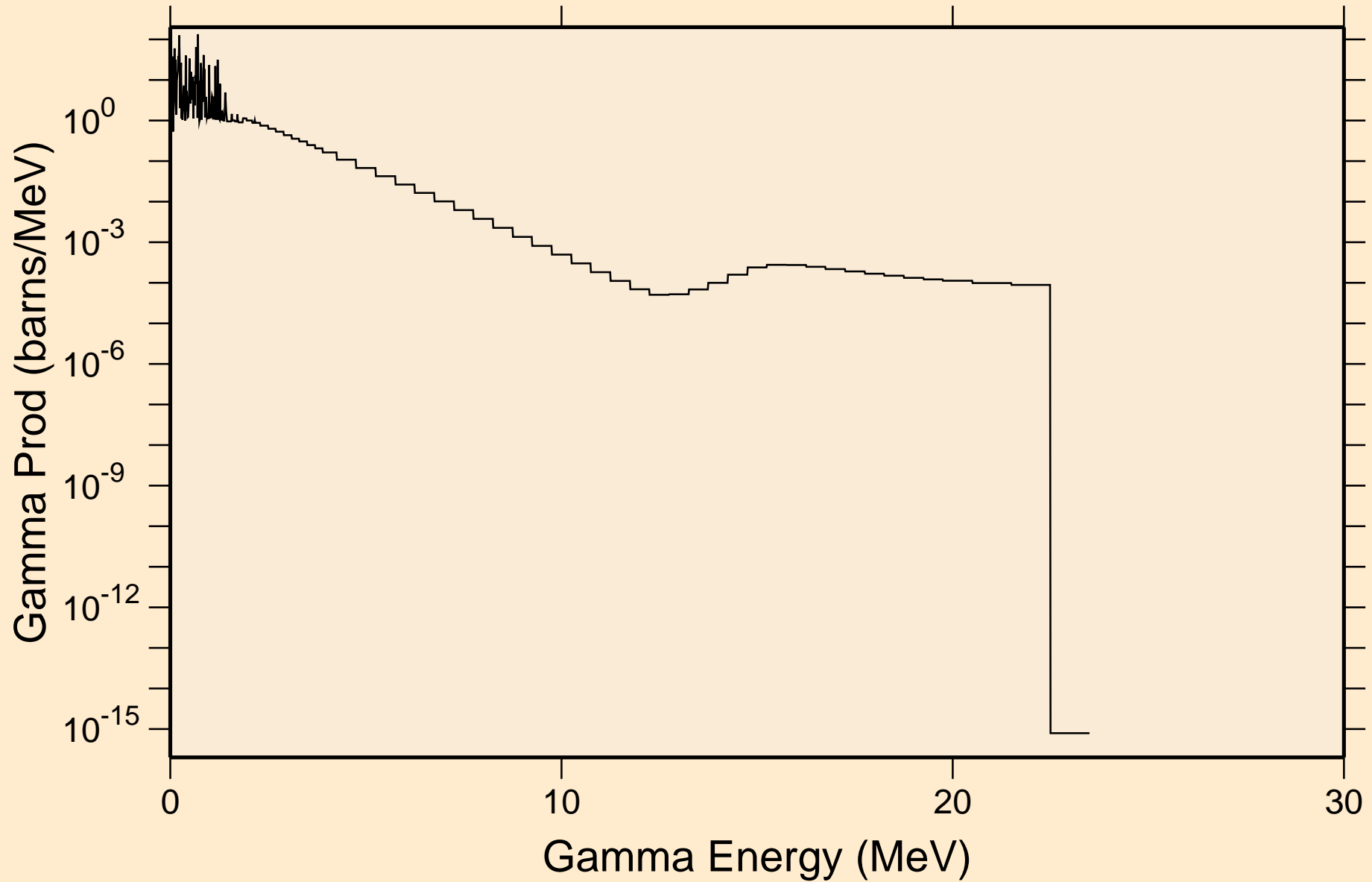
XE116 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



XE116 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

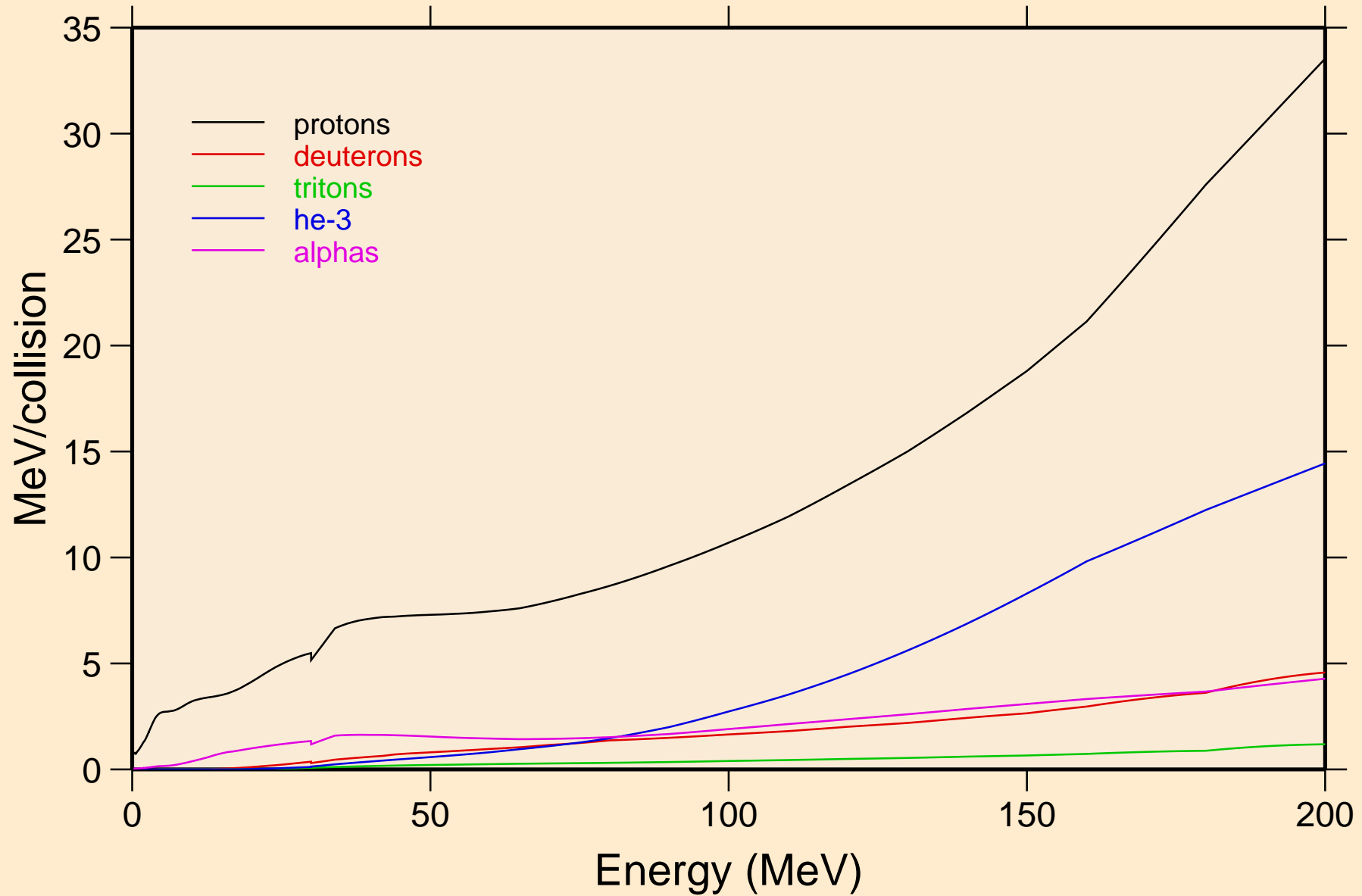


XE116 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



# XE116 NRG TENDL-2015, AKONING

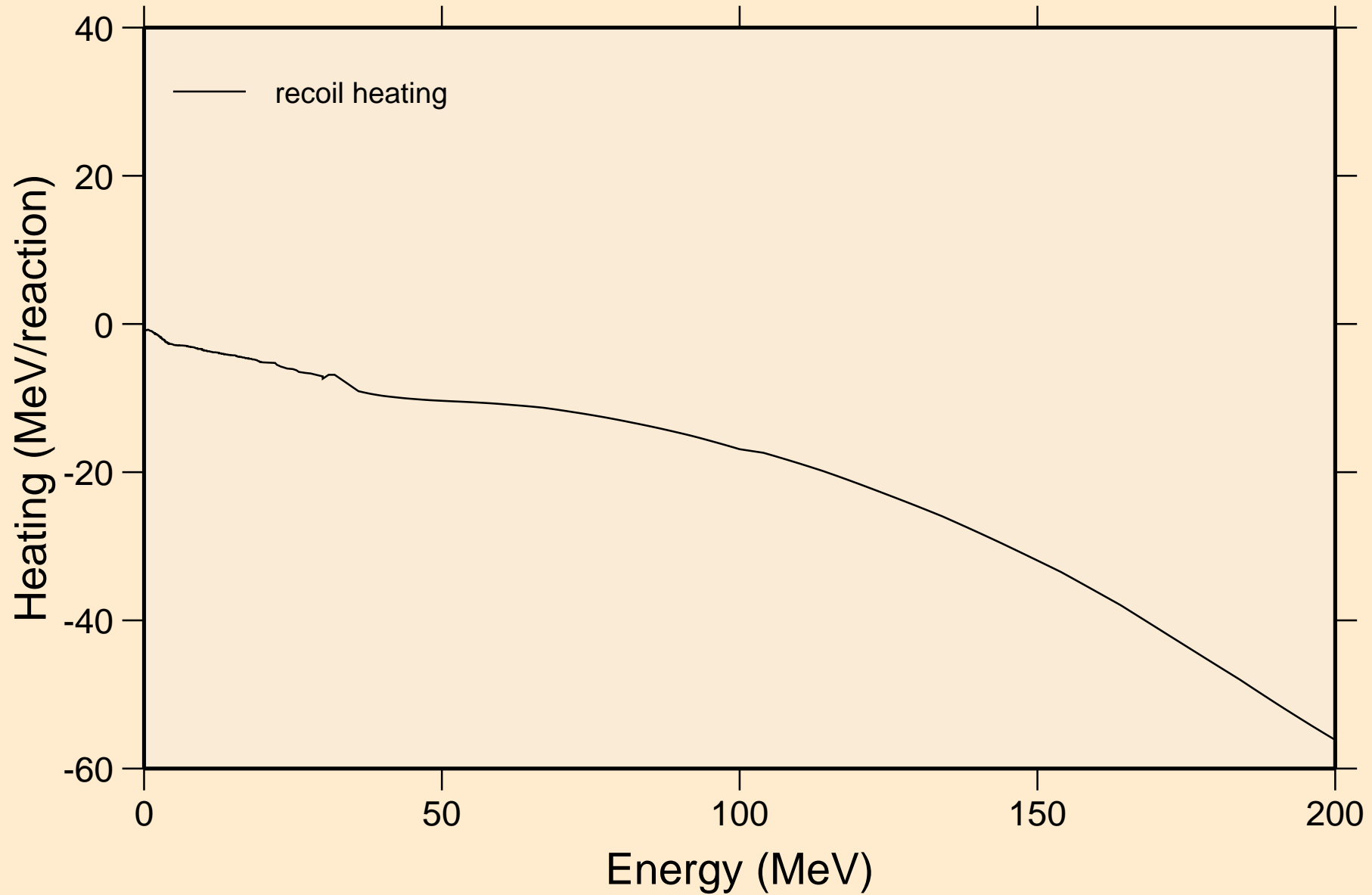
## Particle heating contributions





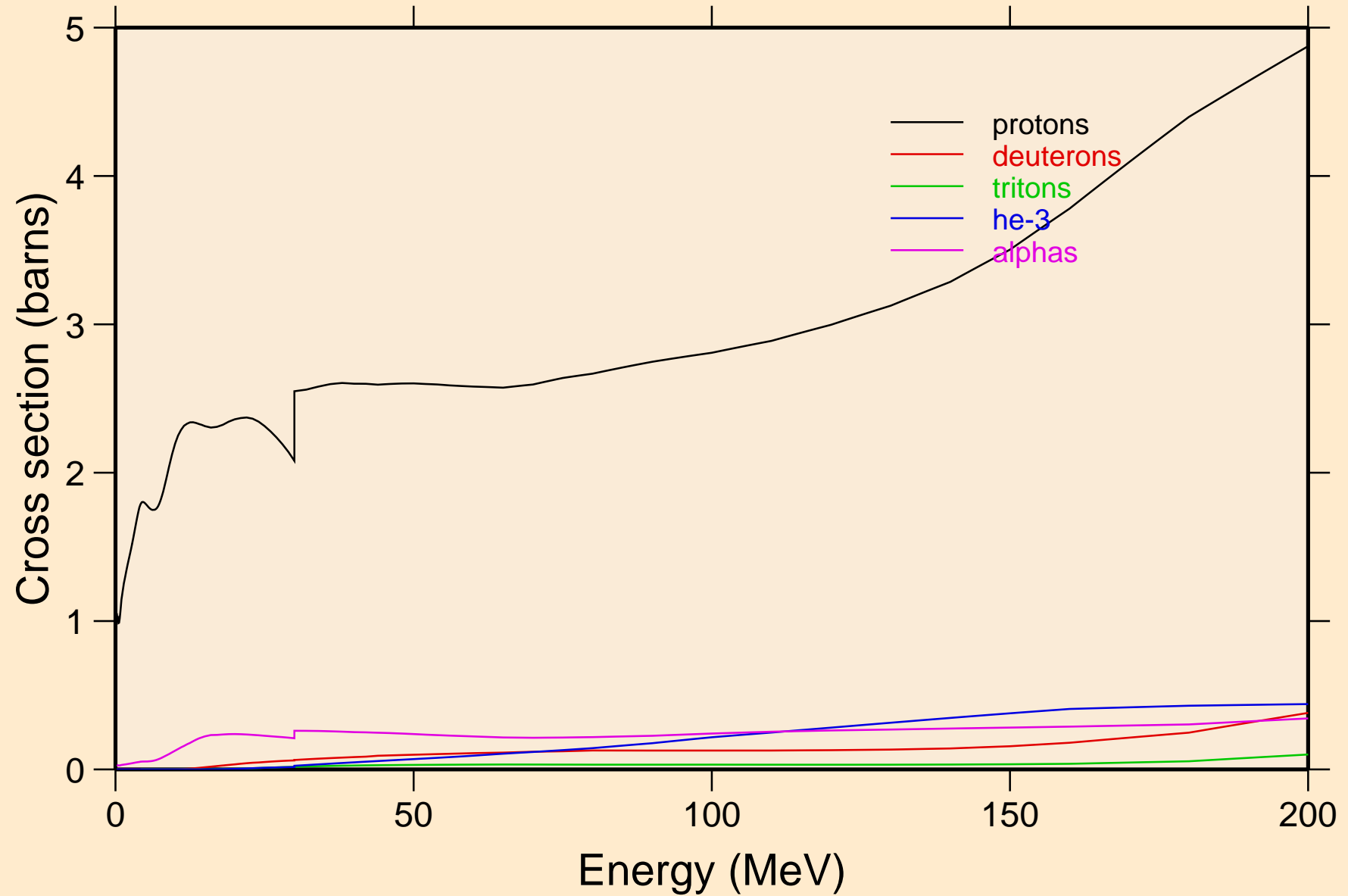
# XE116 NRG TENDL-2015, AKONING

## Recoil Heating

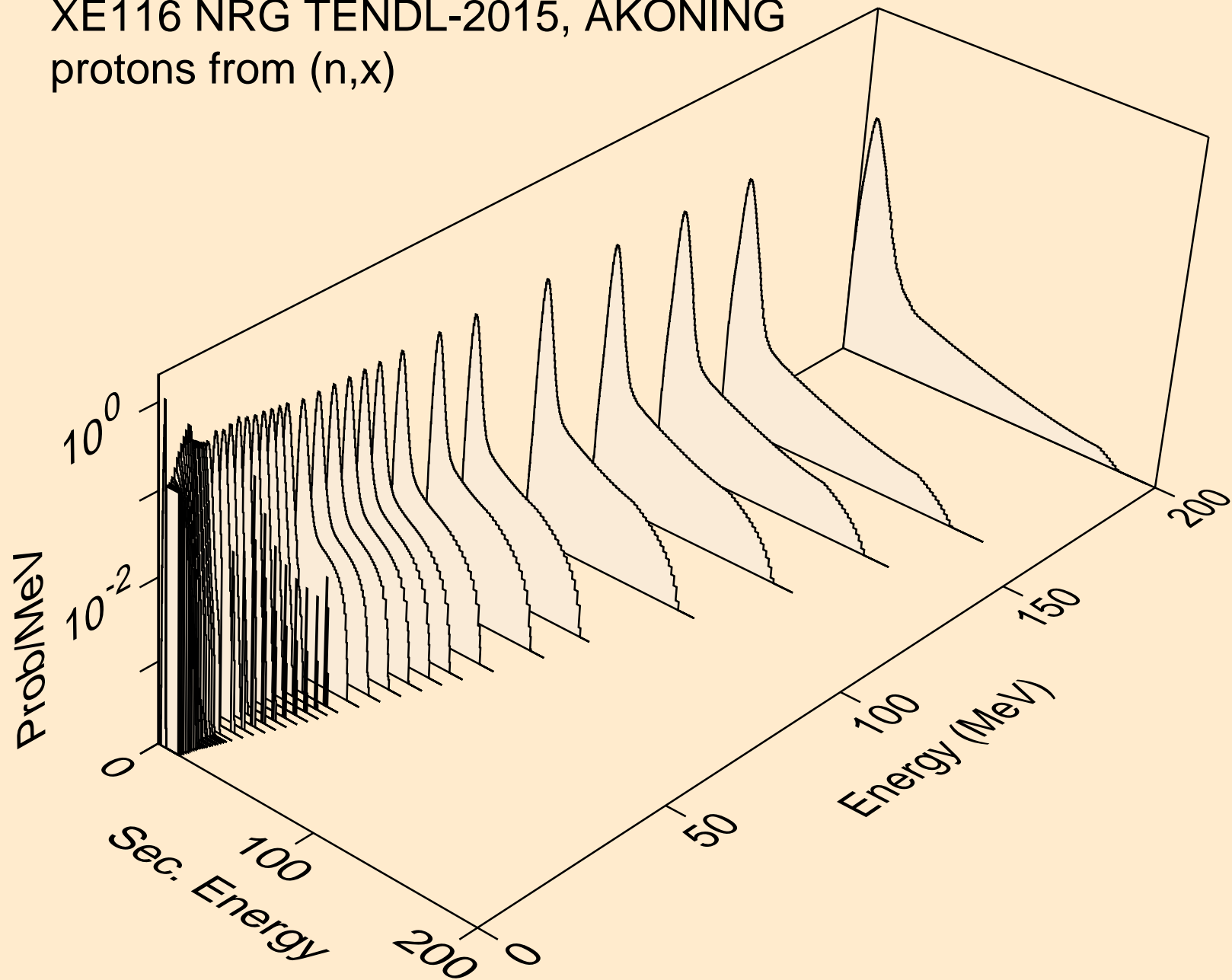


# XE116 NRG TENDL-2015, AKONING

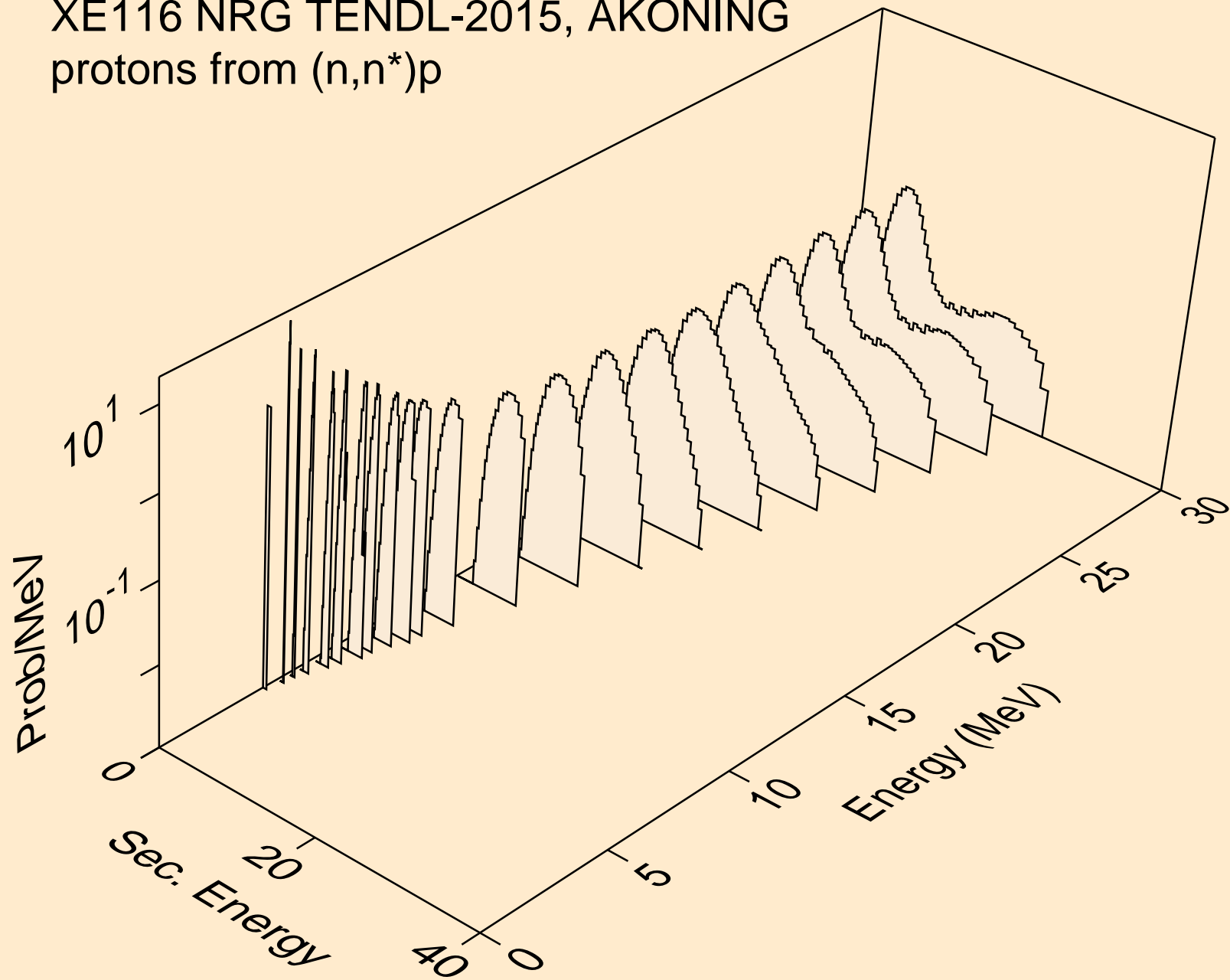
## Particle production cross sections



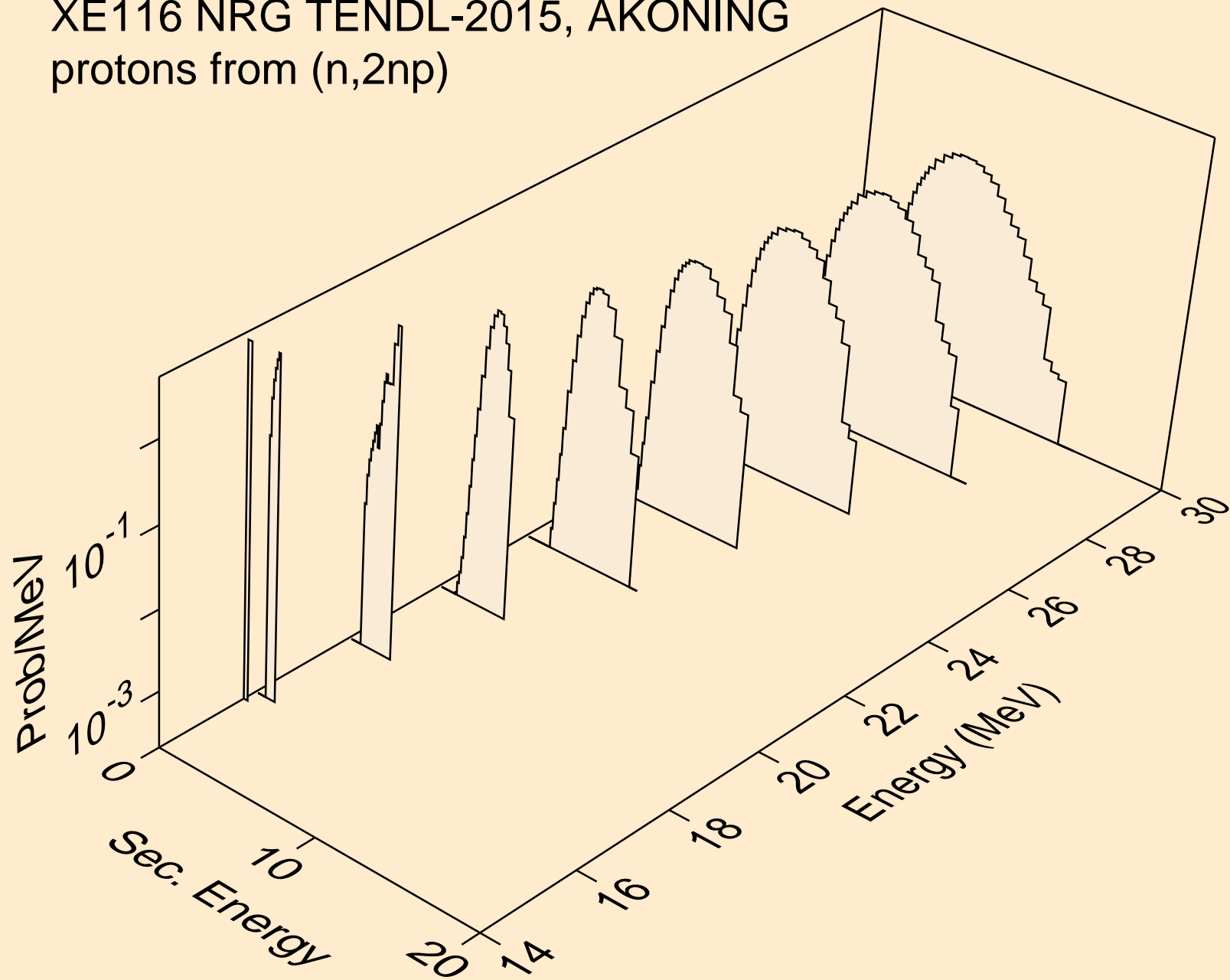
XE116 NRG TENDL-2015, AKONING  
protons from (n,x)



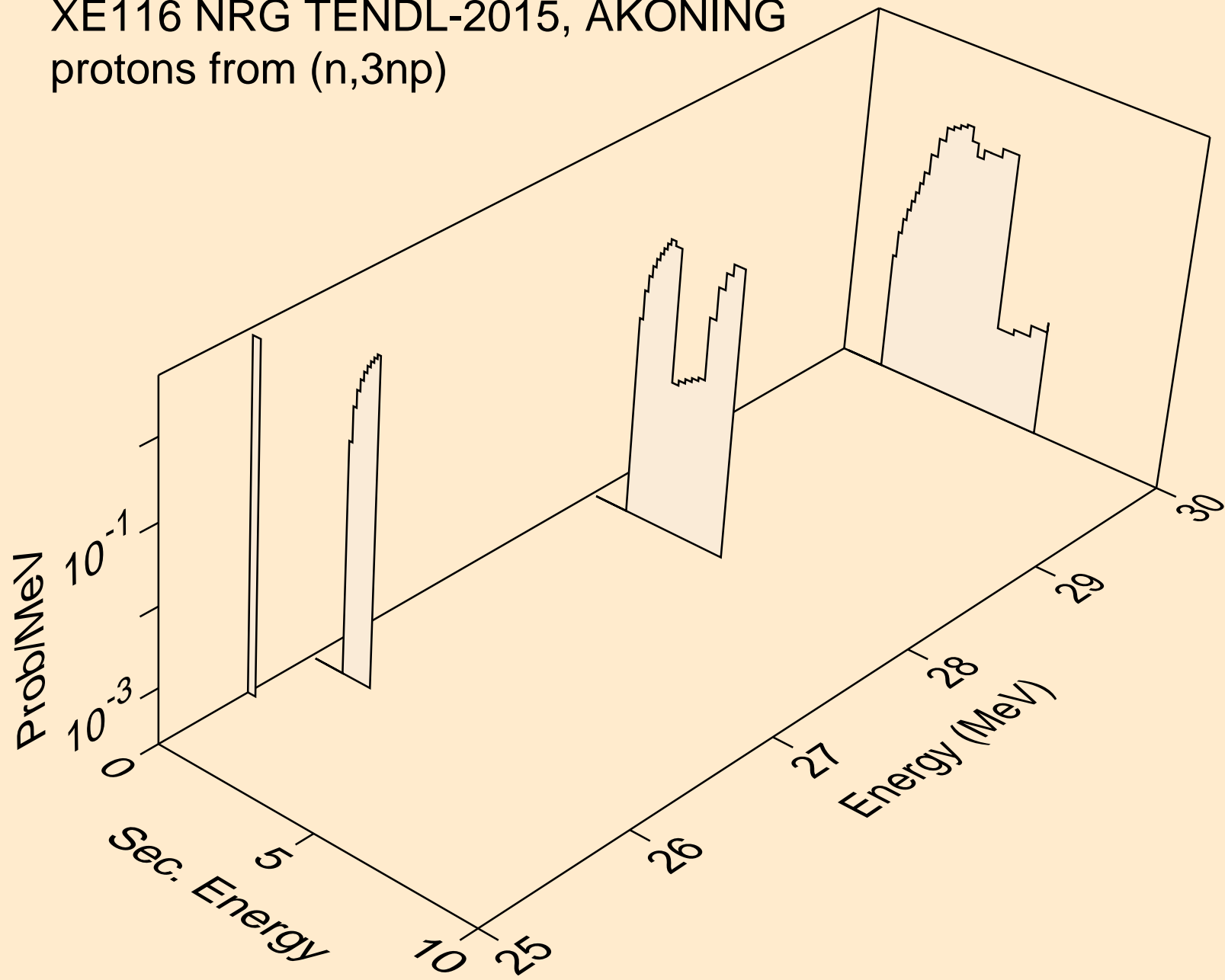
XE116 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



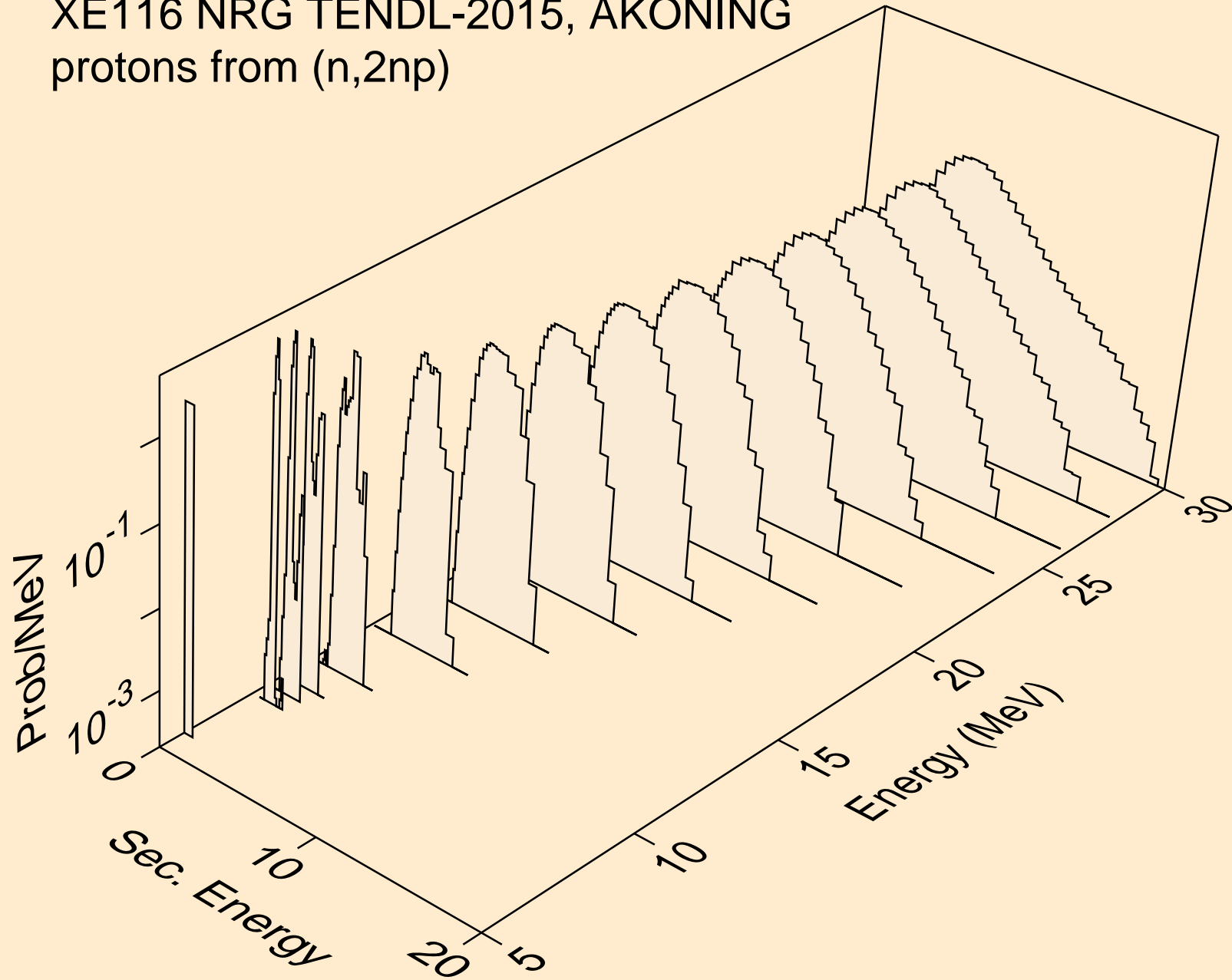
XE116 NRG TENDL-2015, AKONING  
protons from (n,2np)



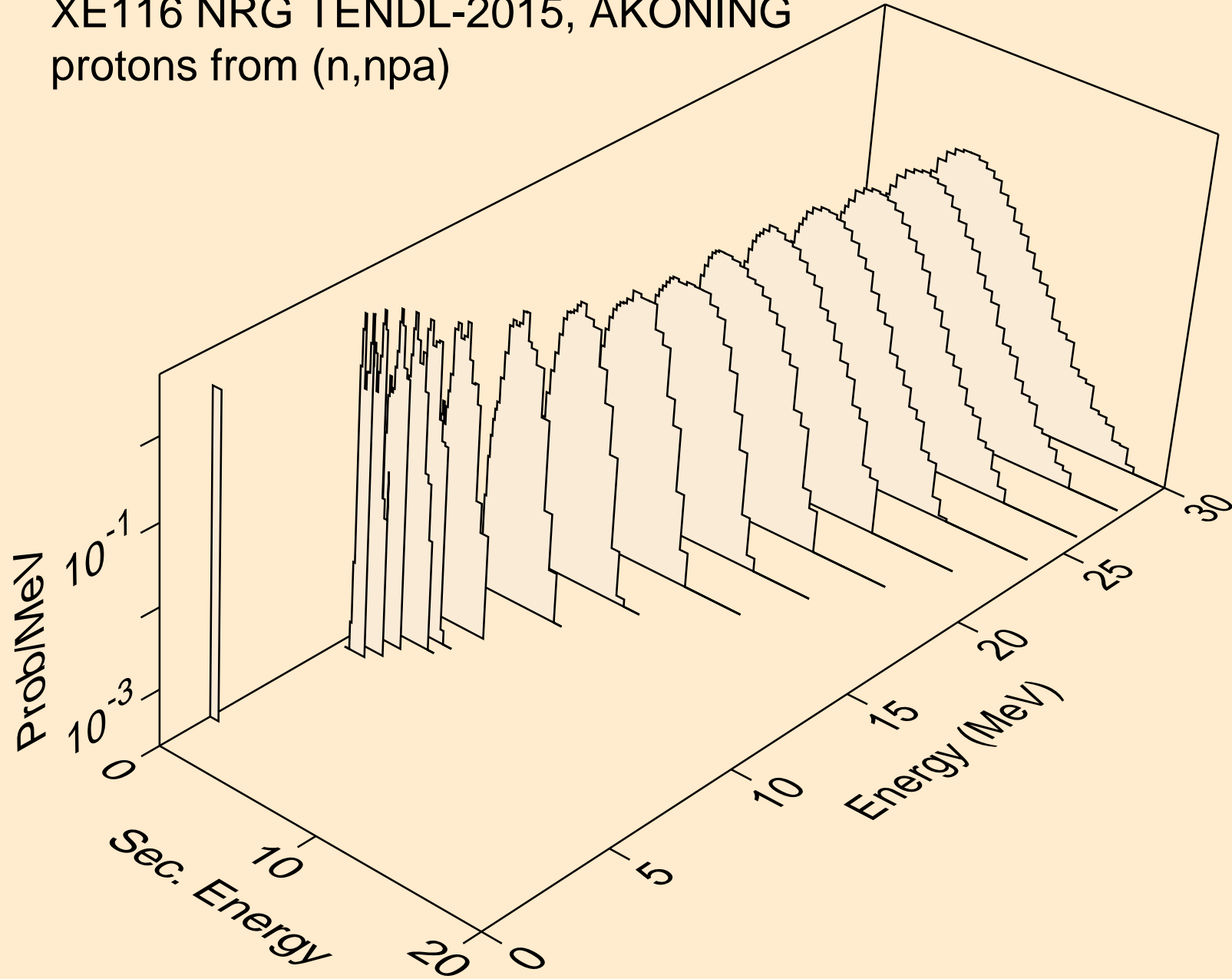
XE116 NRG TENDL-2015, AKONING  
protons from (n,3np)



XE116 NRG TENDL-2015, AKONING  
protons from (n,2np)

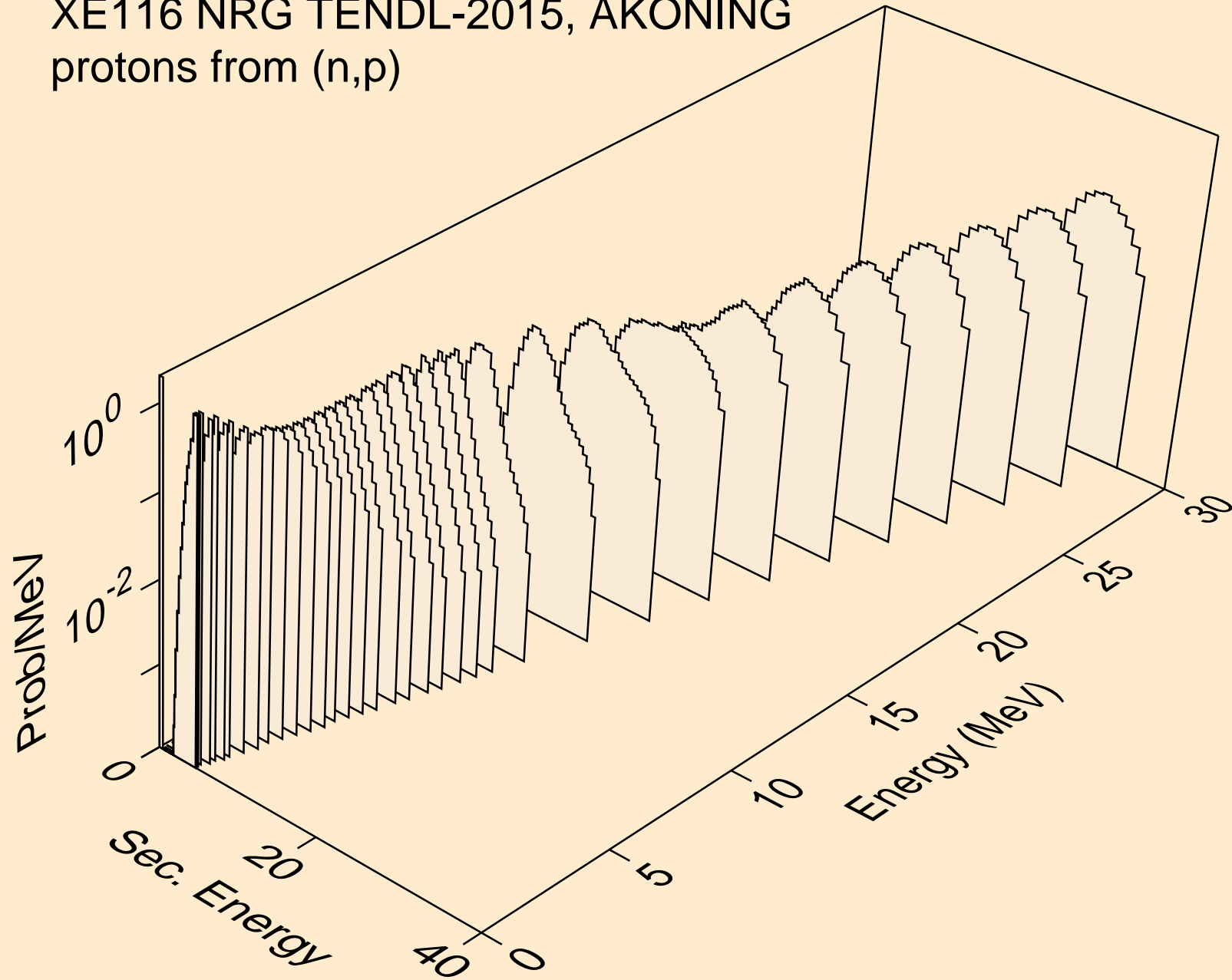


XE116 NRG TENDL-2015, AKONING  
protons from (n,npa)

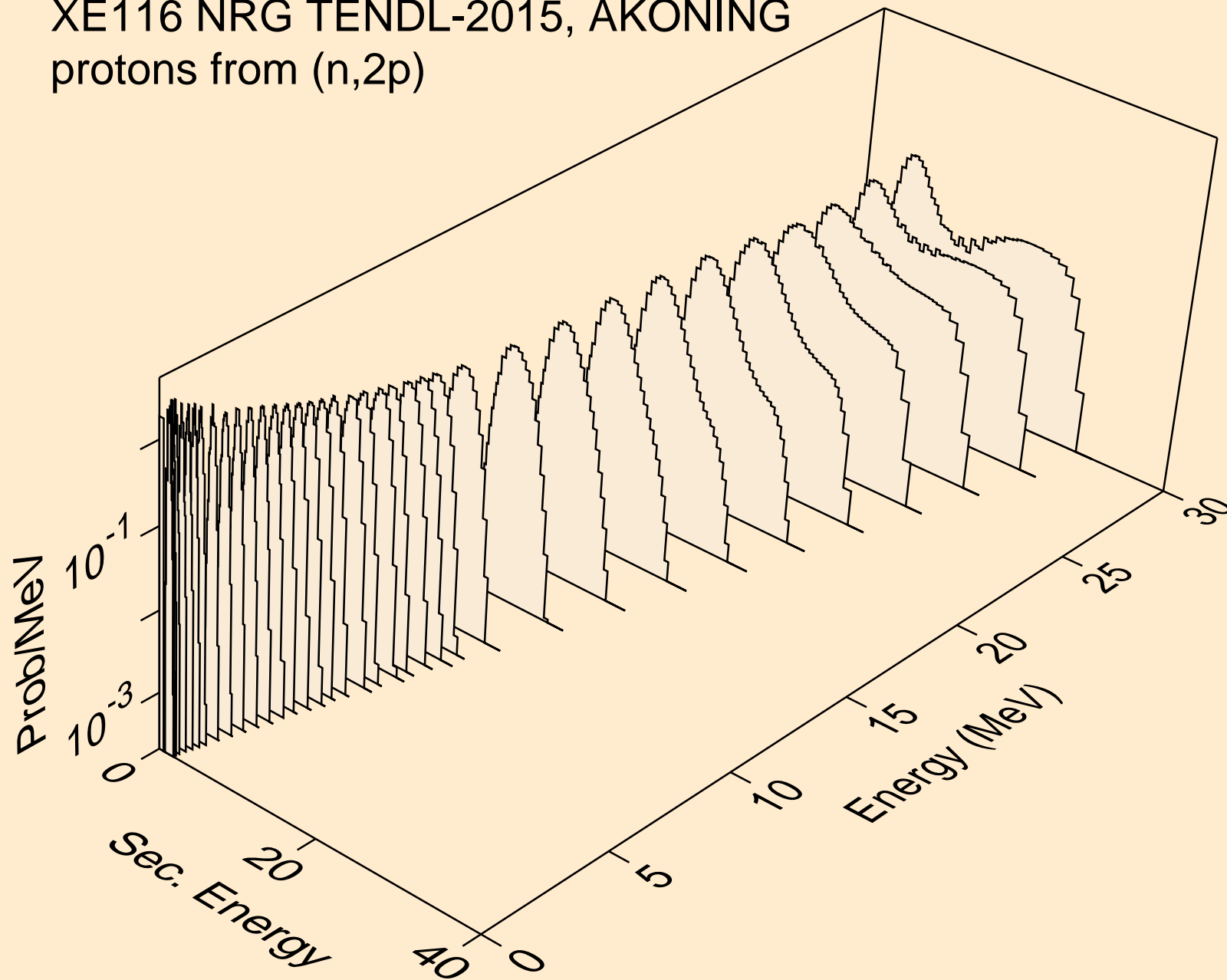




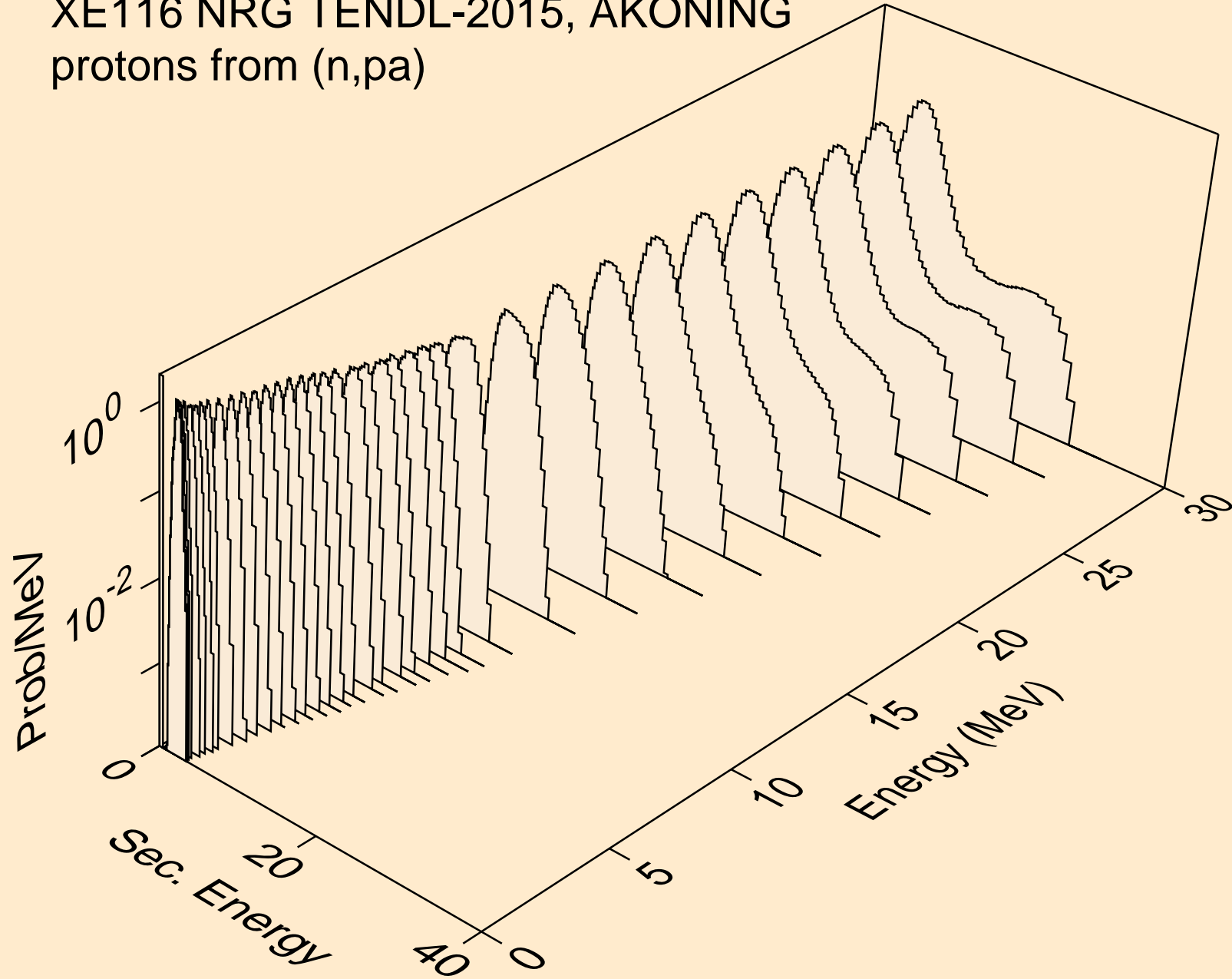
XE116 NRG TENDL-2015, AKONING  
protons from (n,p)



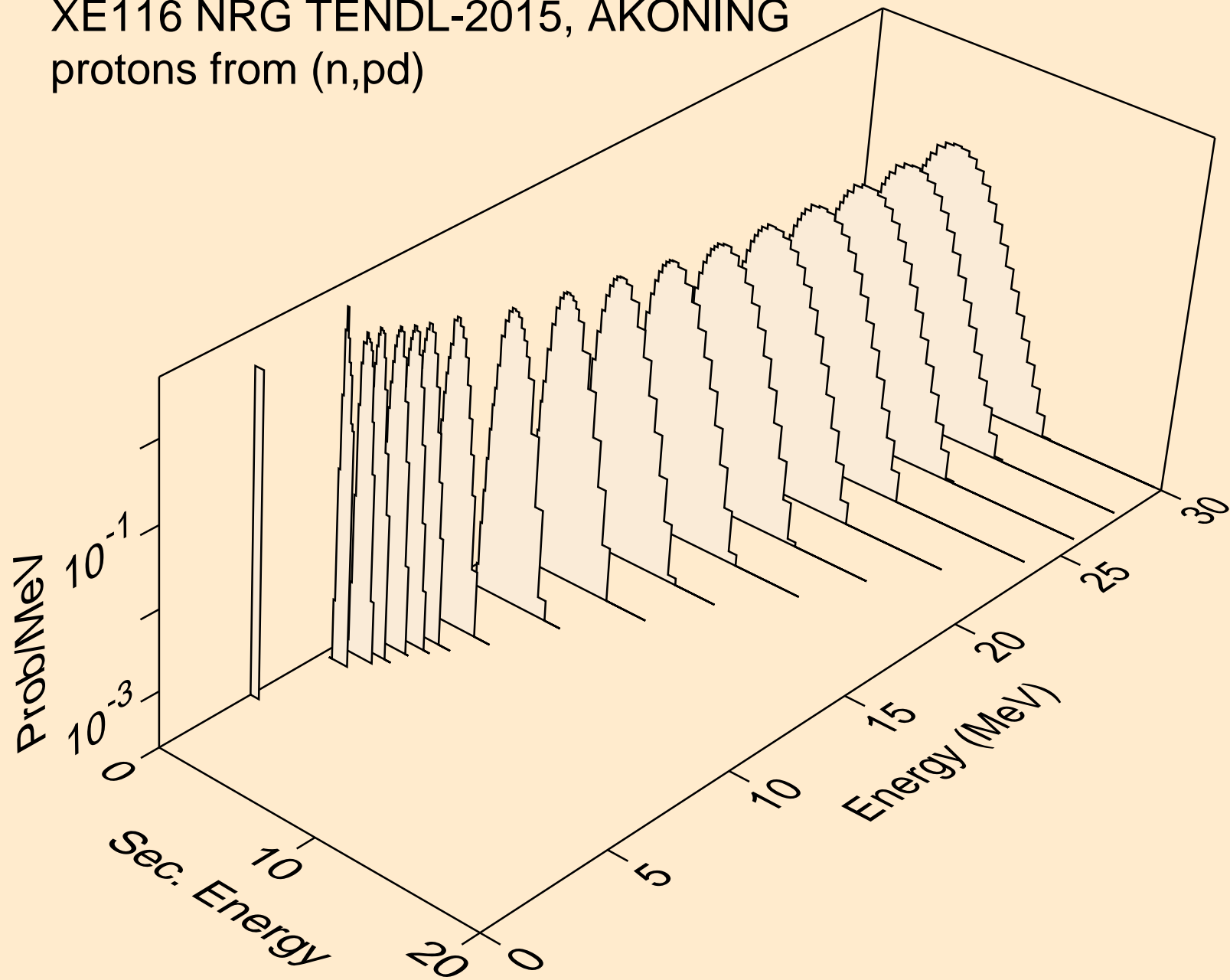
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protons from (n,2p)



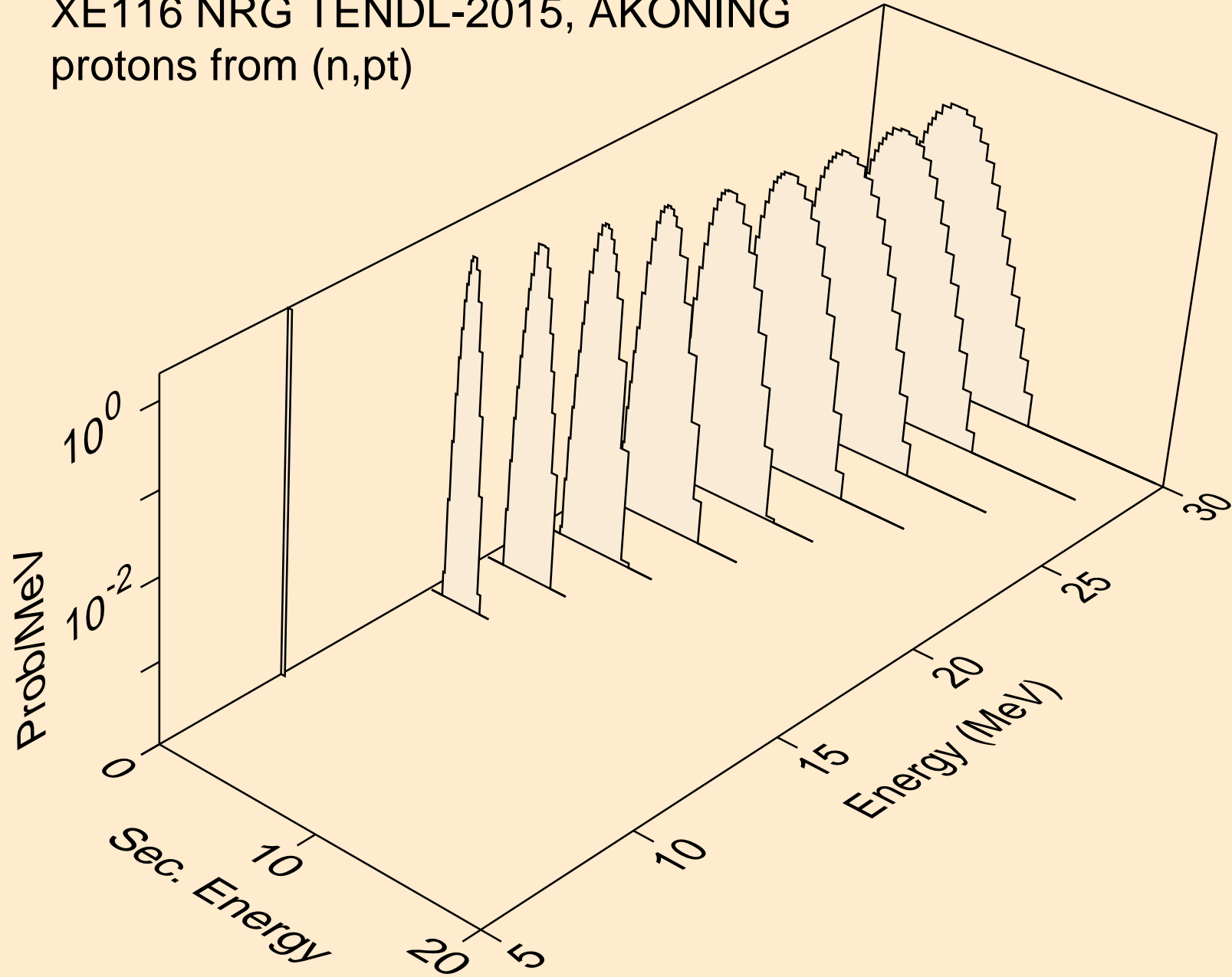
XE116 NRG TENDL-2015, AKONING  
protons from (n,pa)



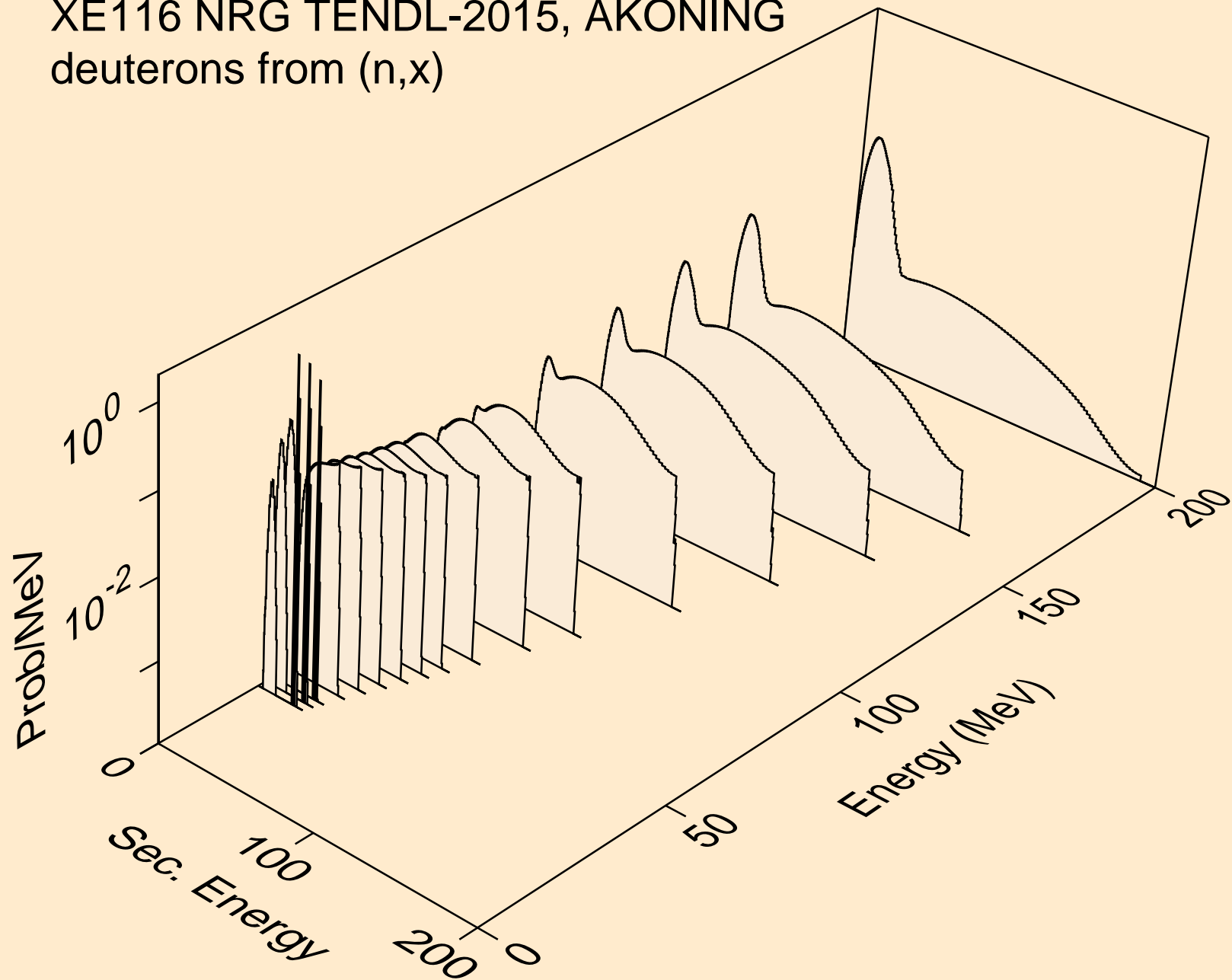
XE116 NRG TENDL-2015, AKONING  
protons from (n,pd)



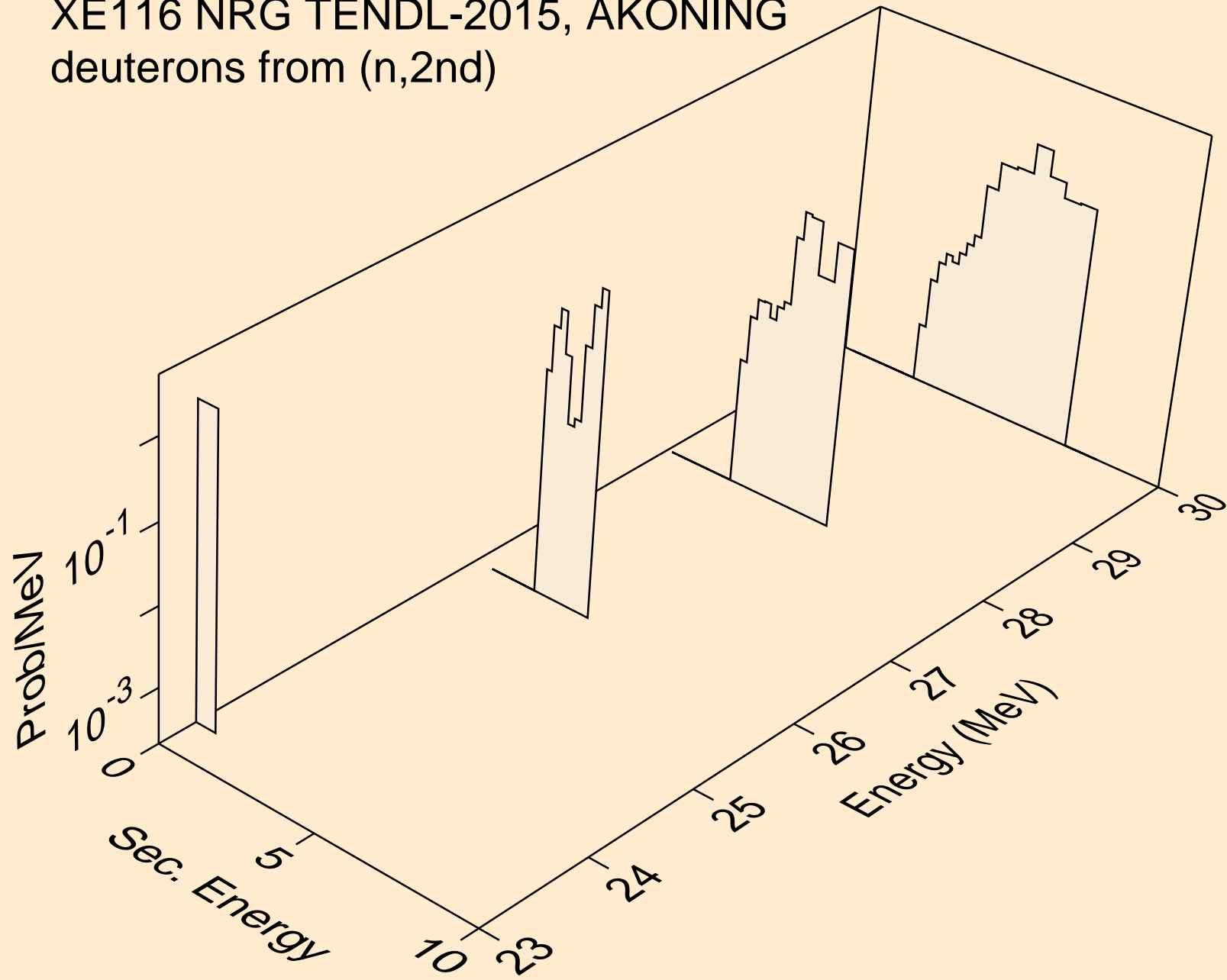
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protons from (n,pt)



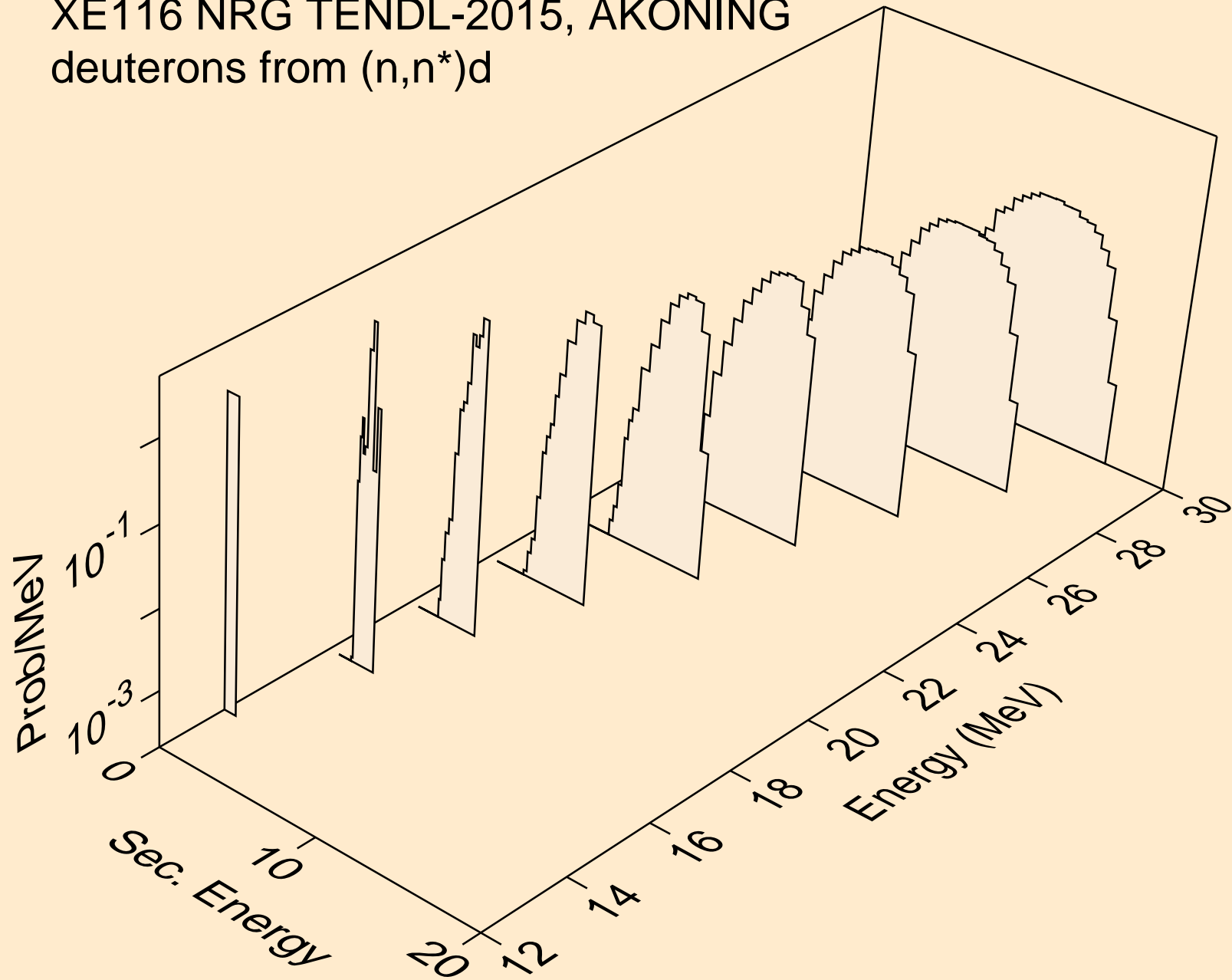
XE116 NRG TENDL-2015, AKONING  
deuterons from (n,x)



XE116 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)

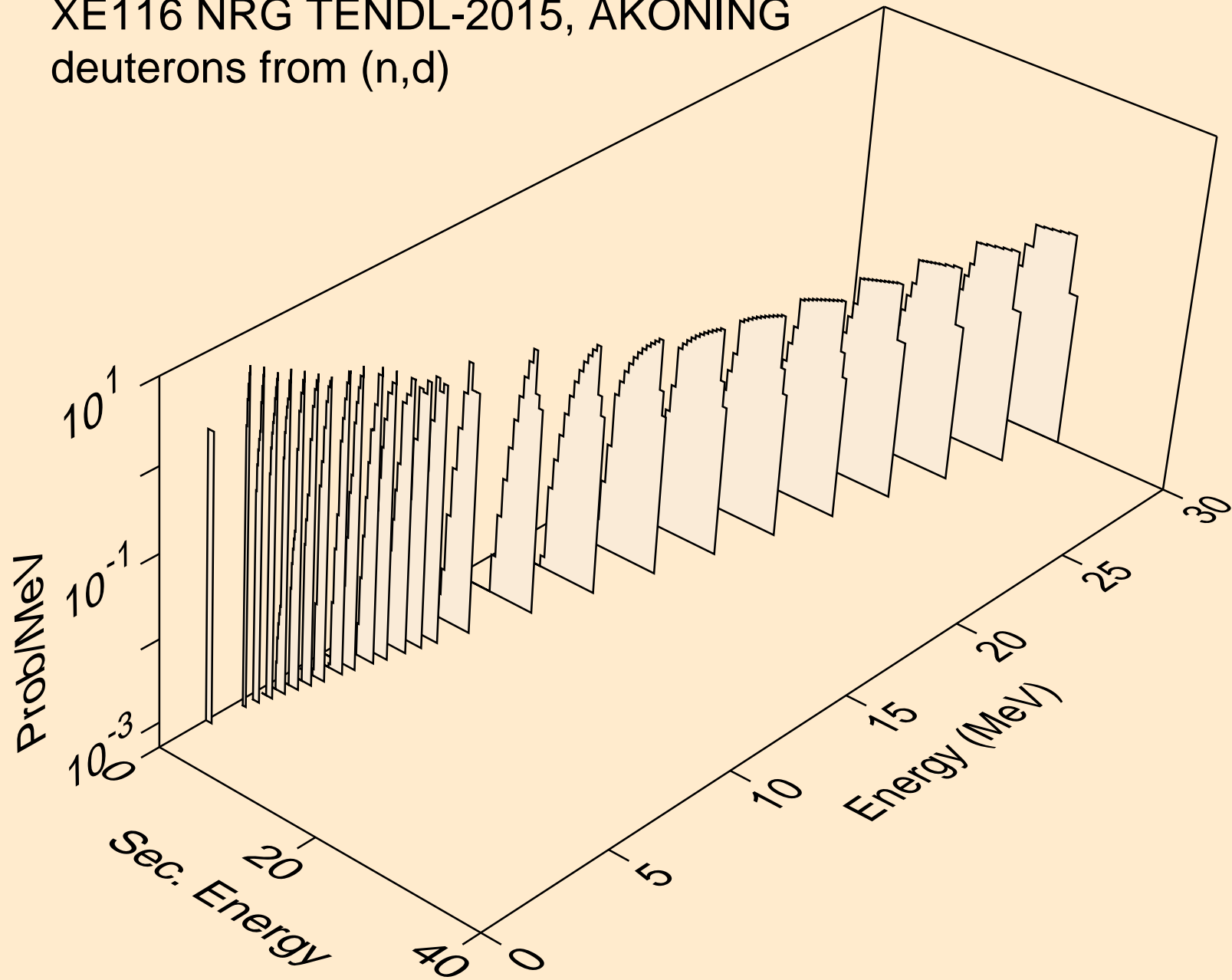


XE116 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

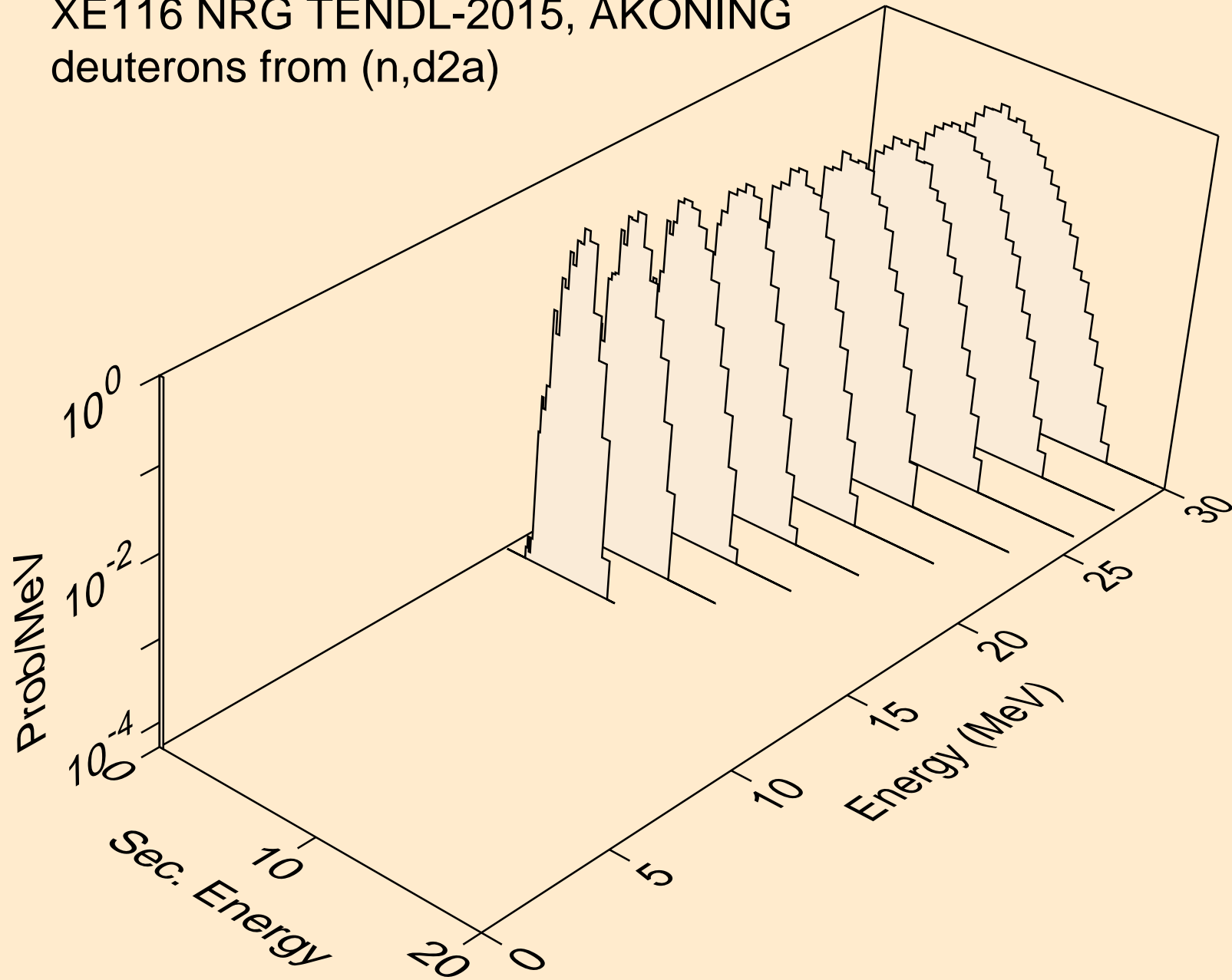




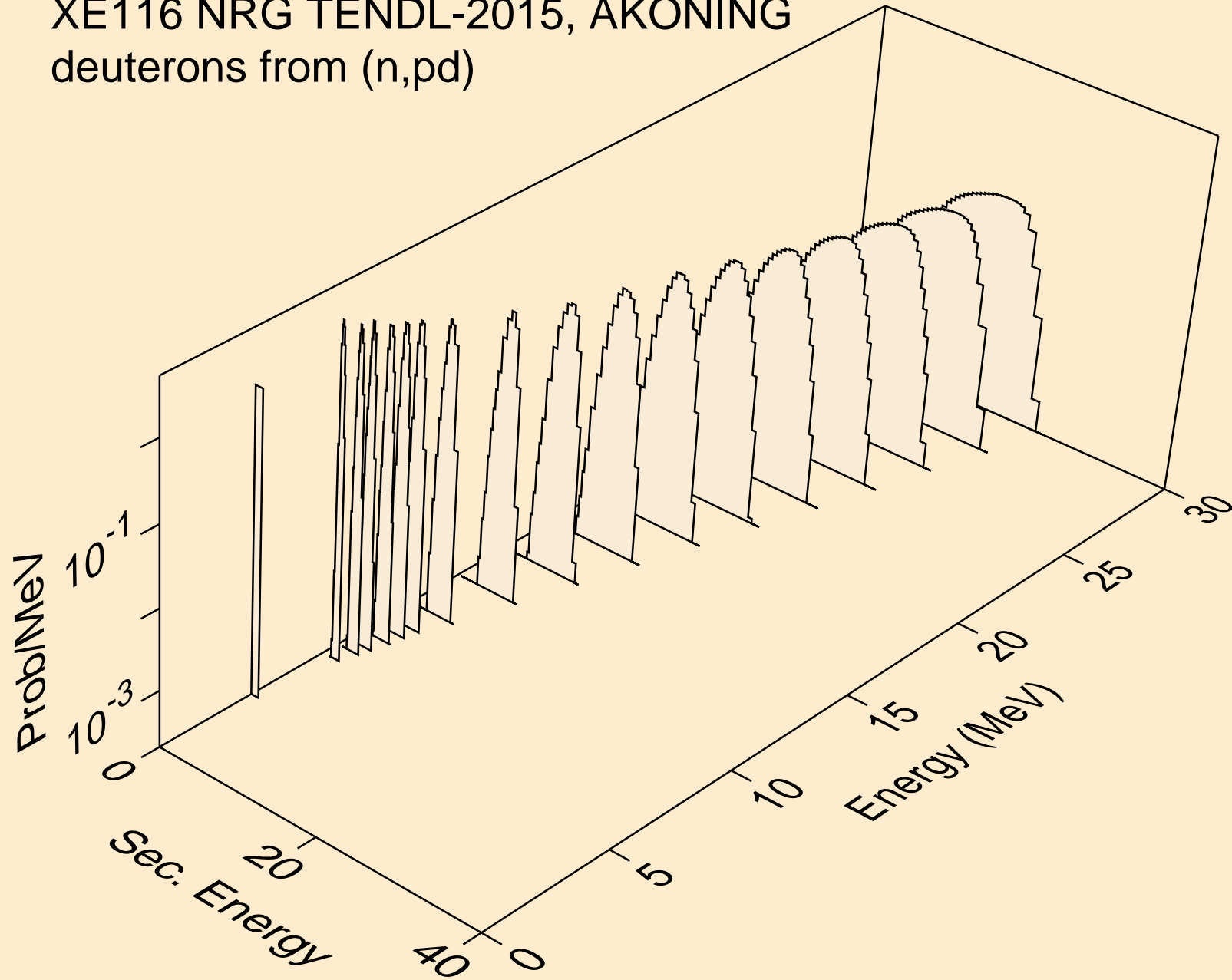
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deuterons from (n,d)



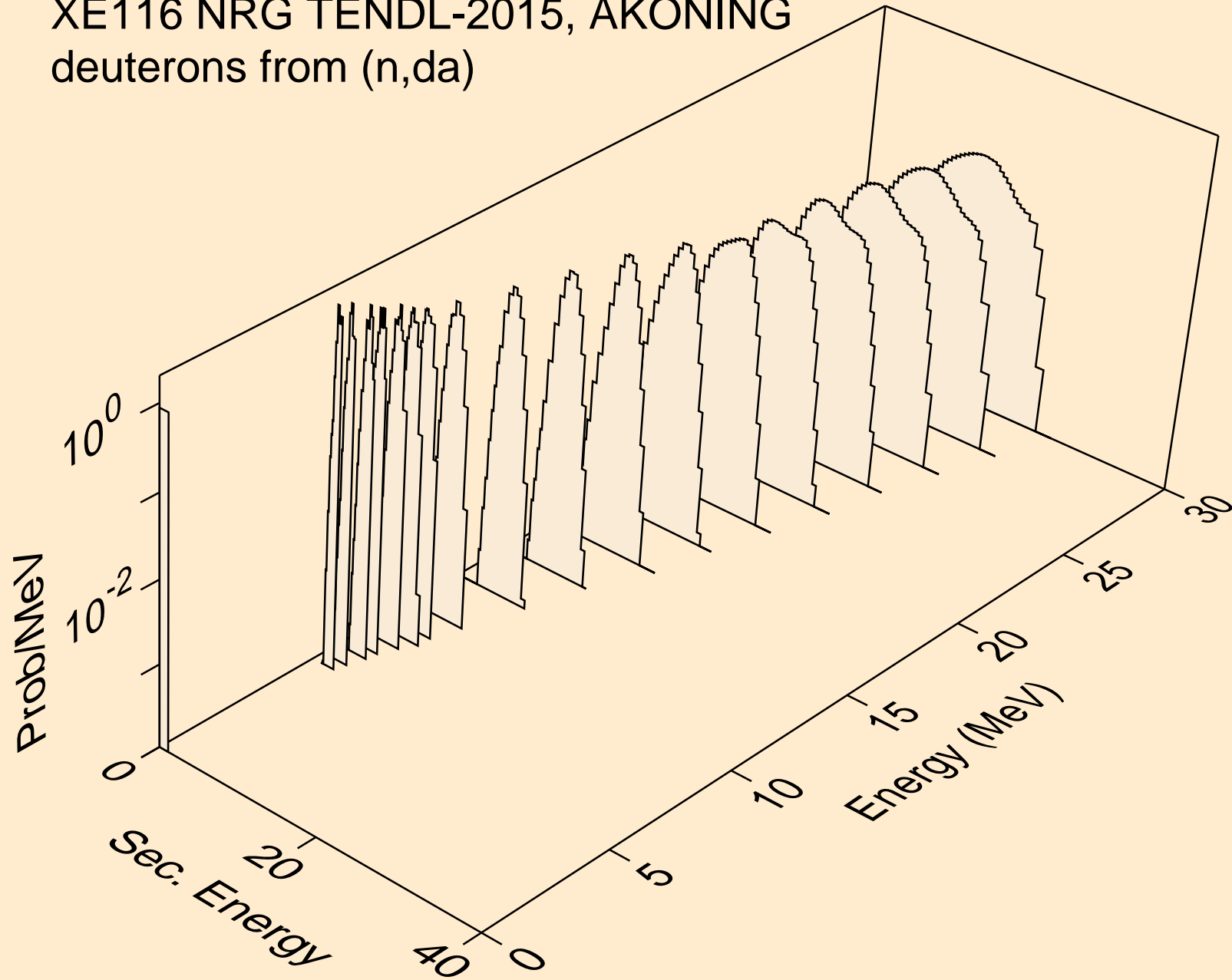
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deuterons from (n,d2a)



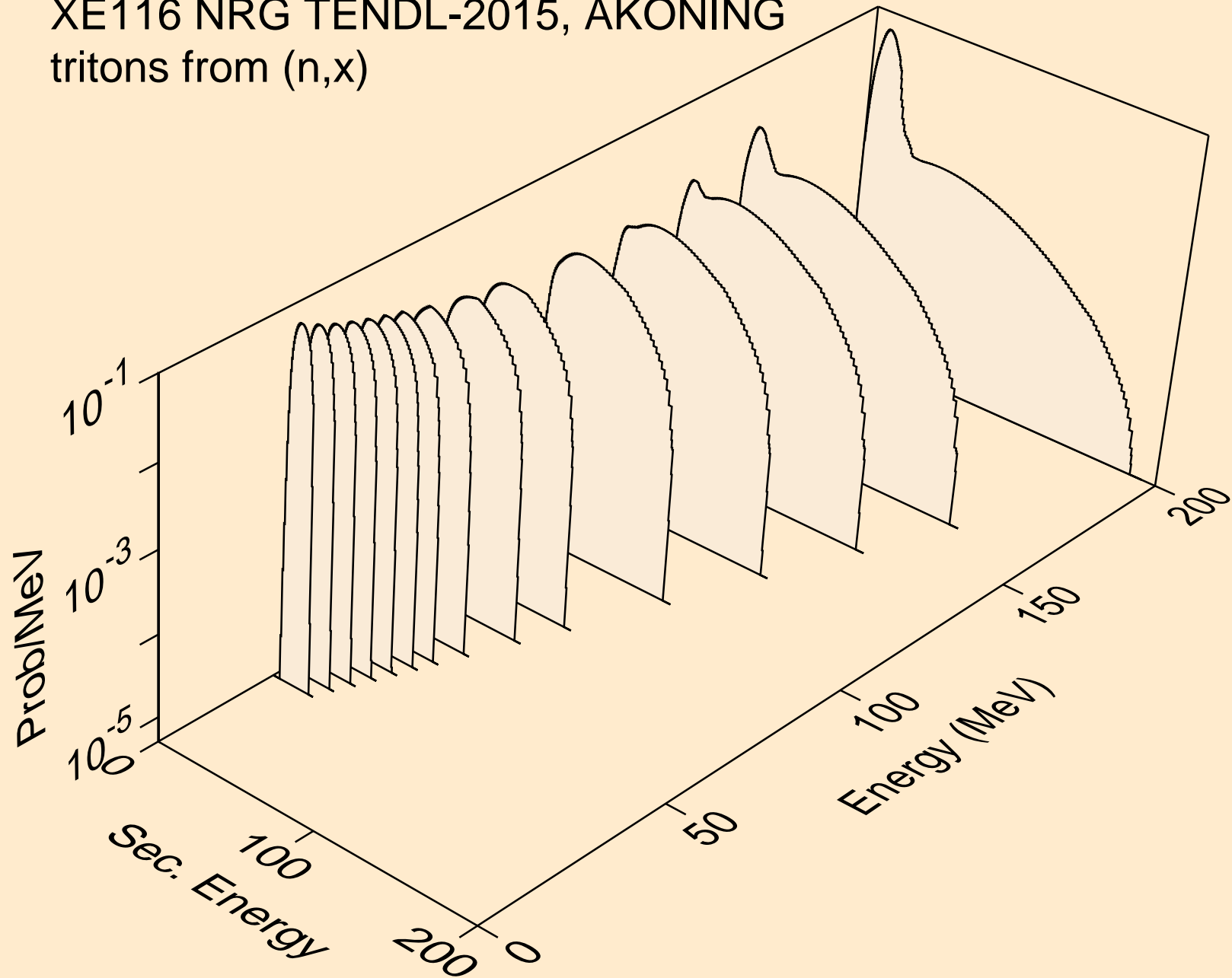
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deuterons from (n,pd)



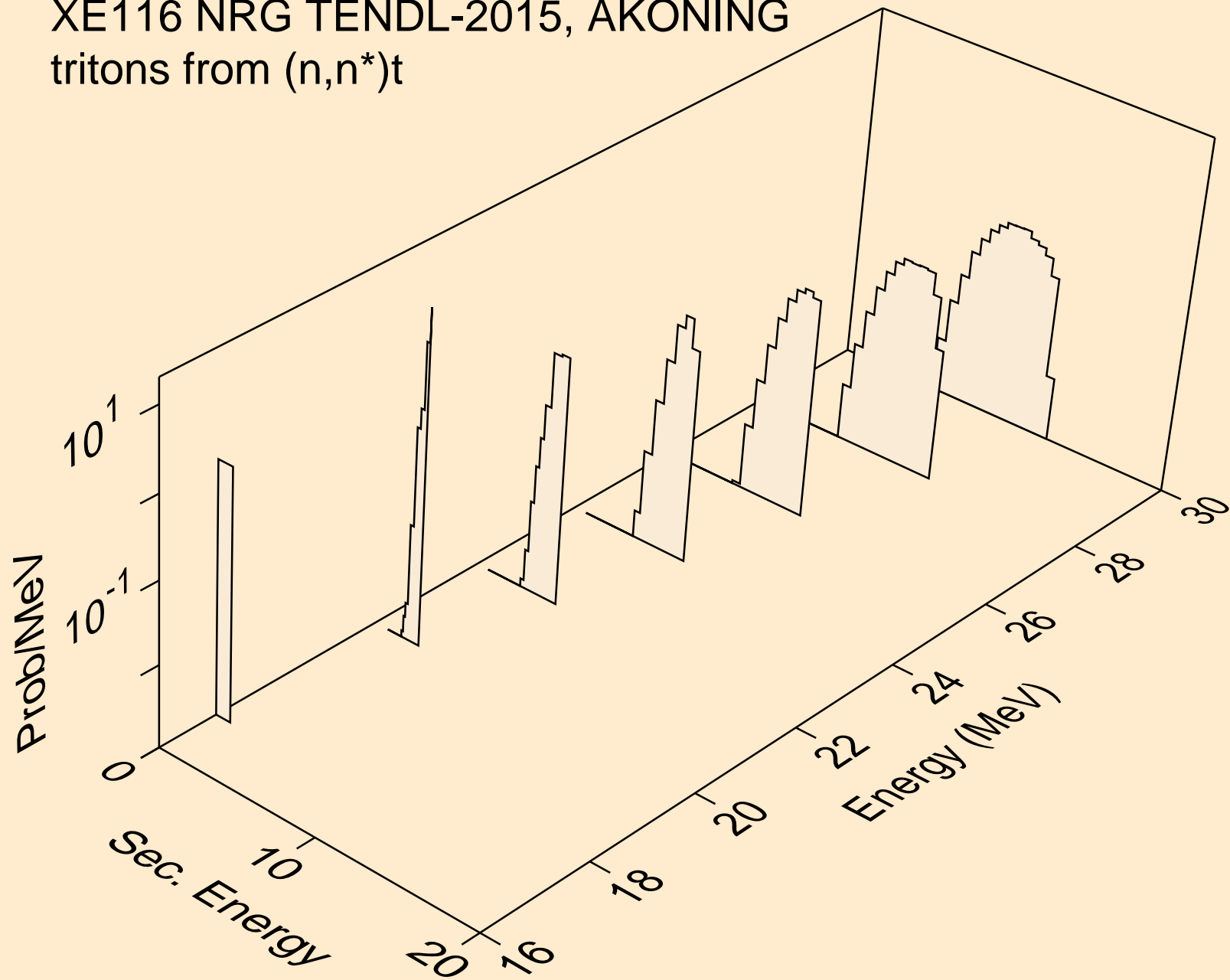
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deuterons from (n,da)



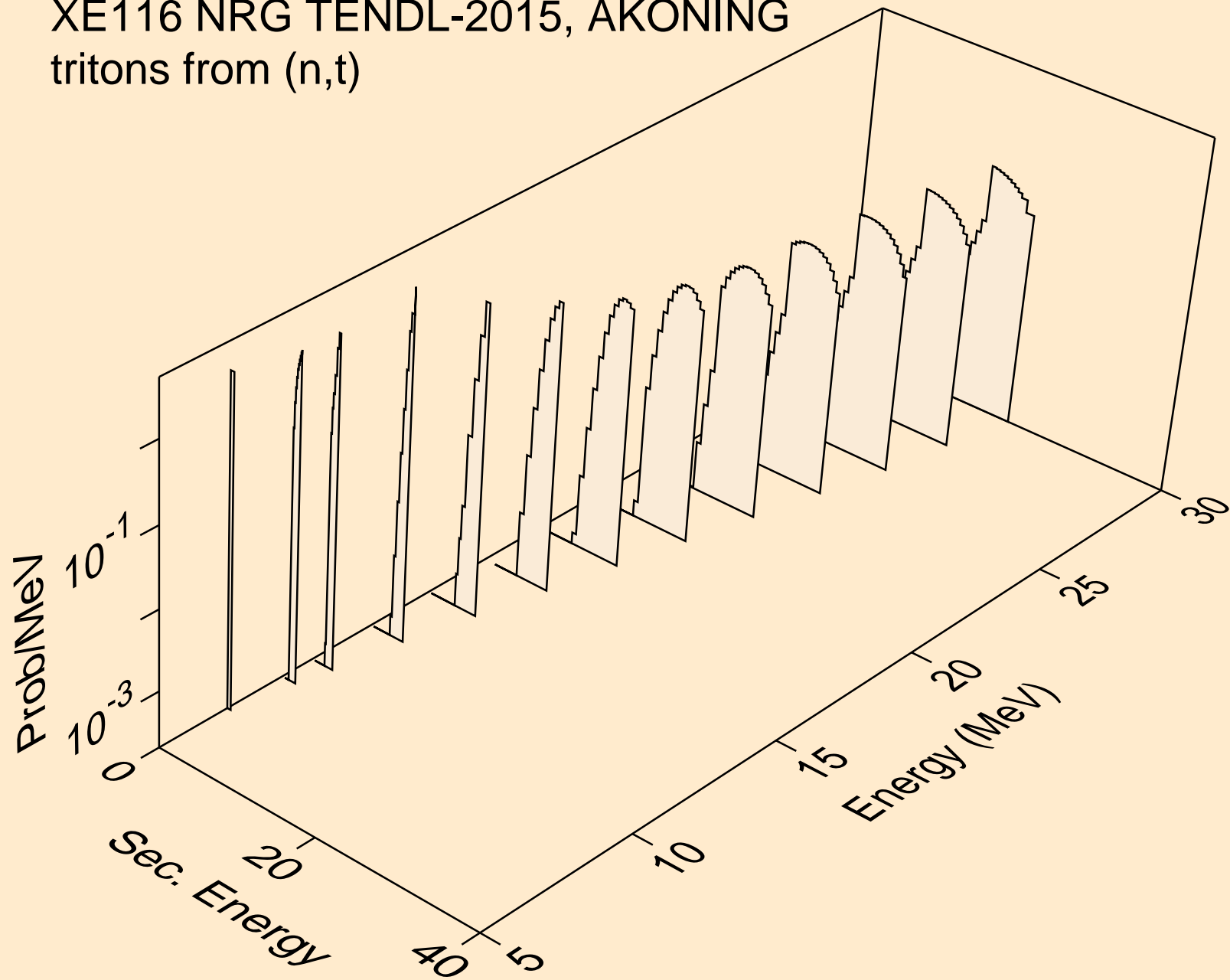
XE116 NRG TENDL-2015, AKONING  
tritons from (n,x)



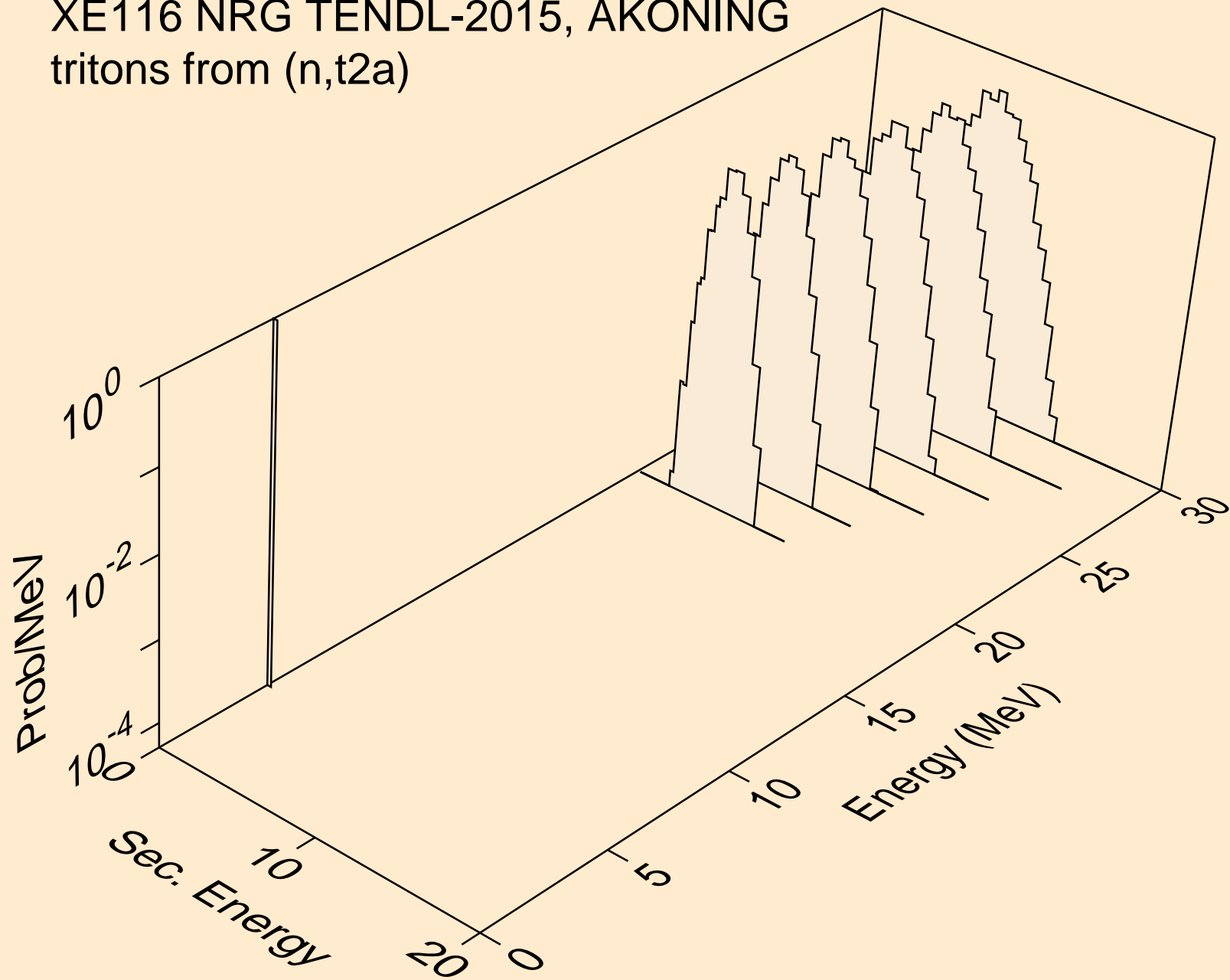
XE116 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



XE116 NRG TENDL-2015, AKONING  
tritons from (n,t)

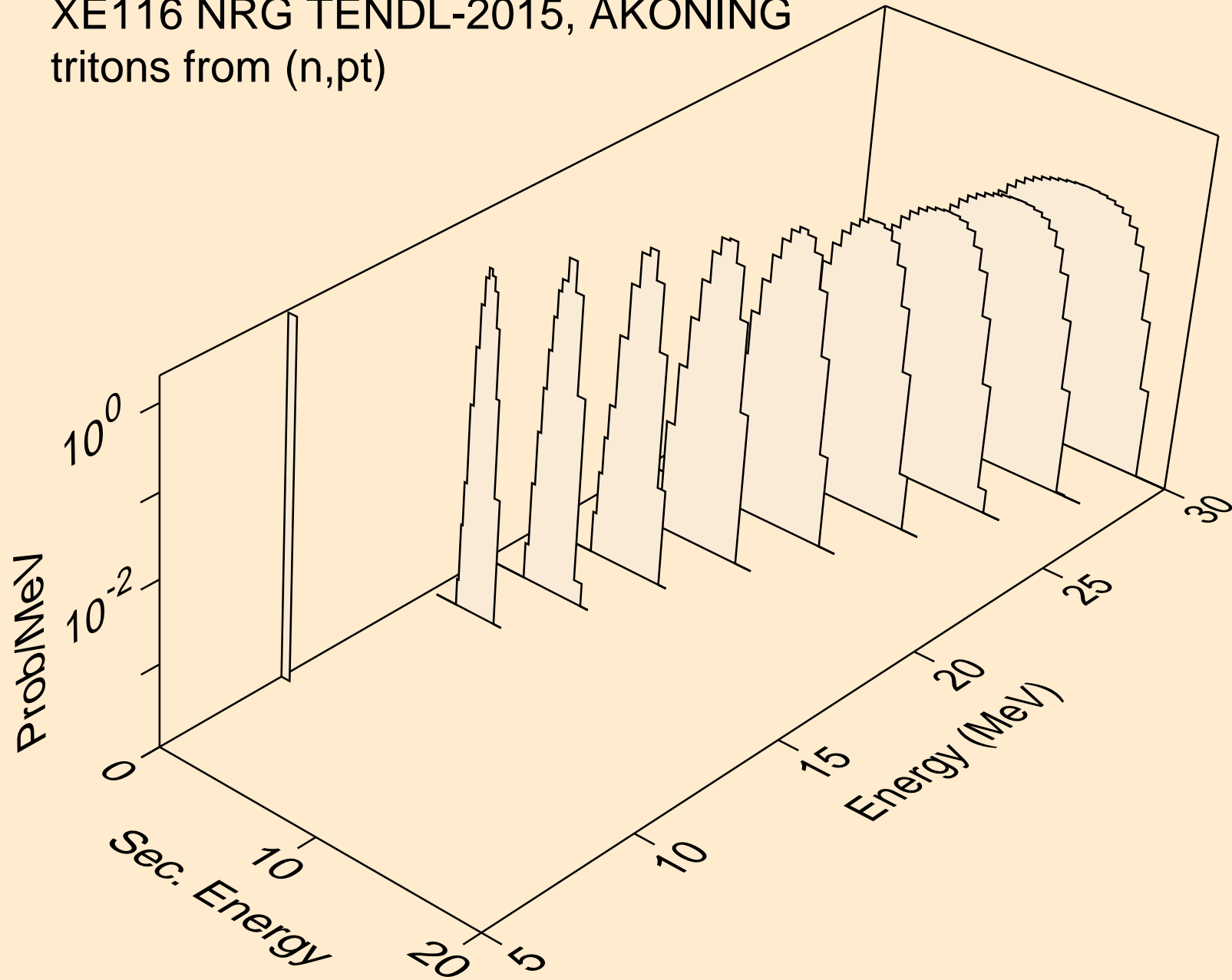


XE116 NRG TENDL-2015, AKONING  
tritons from (n,t2a)

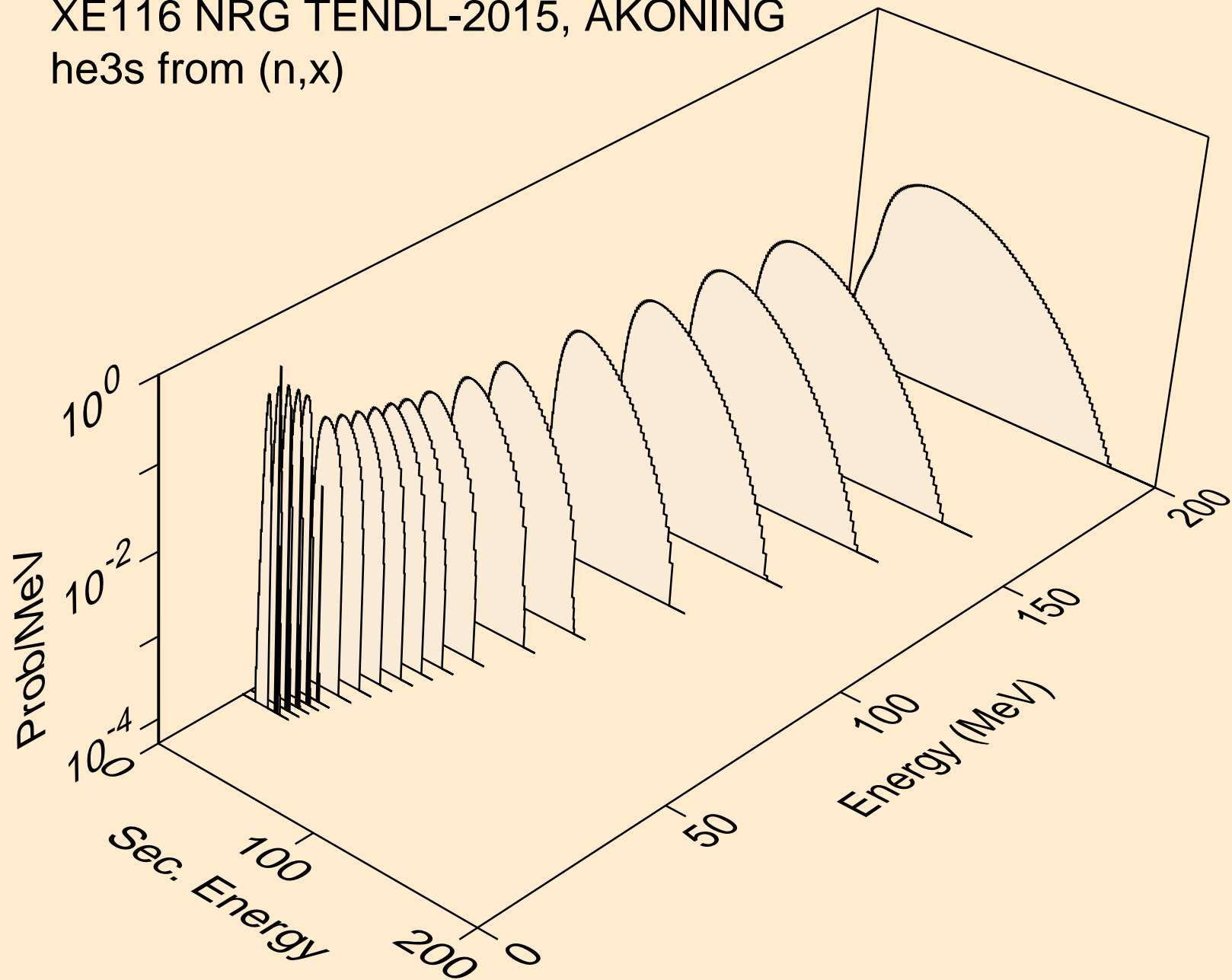




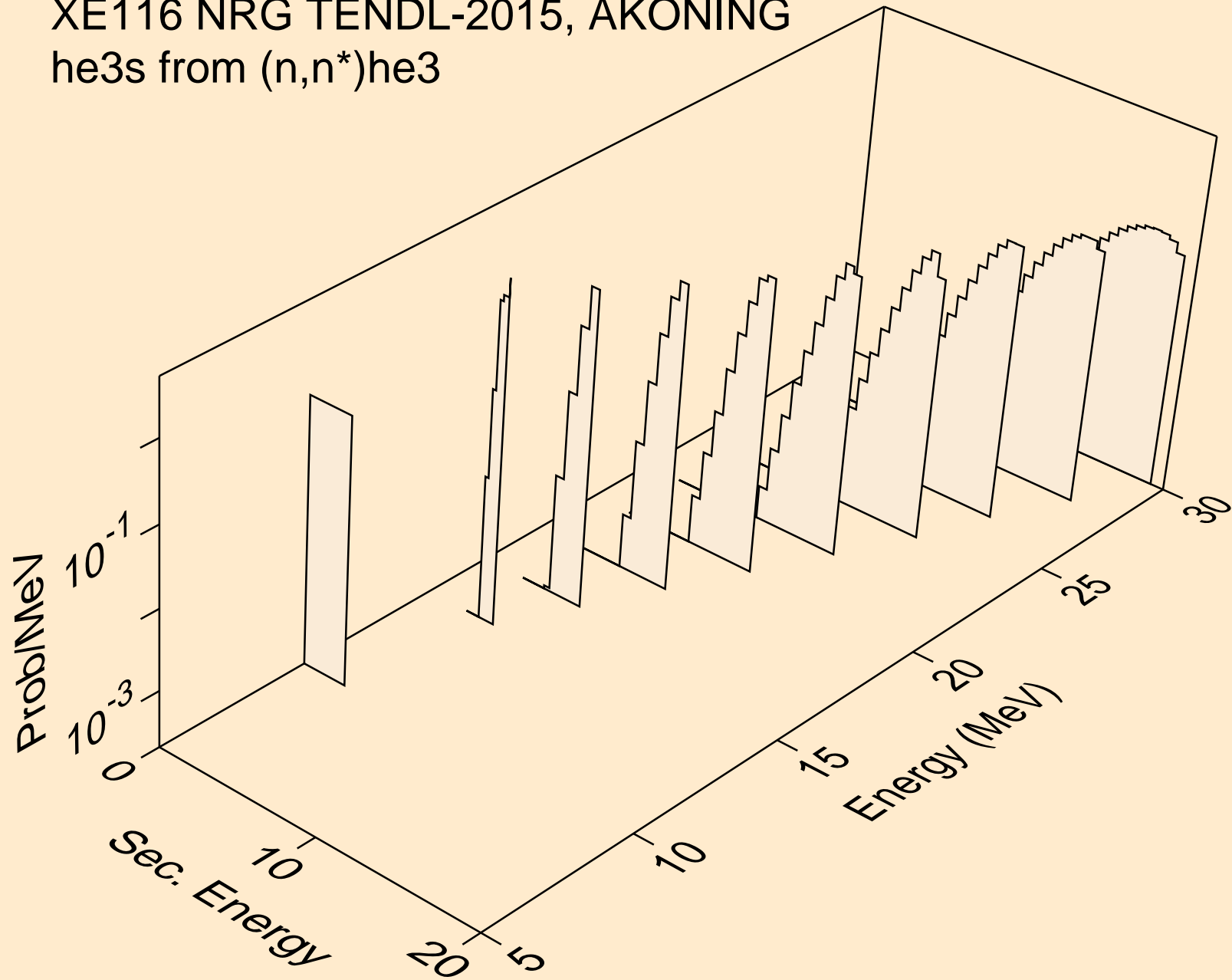
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tritons from (n,pt)



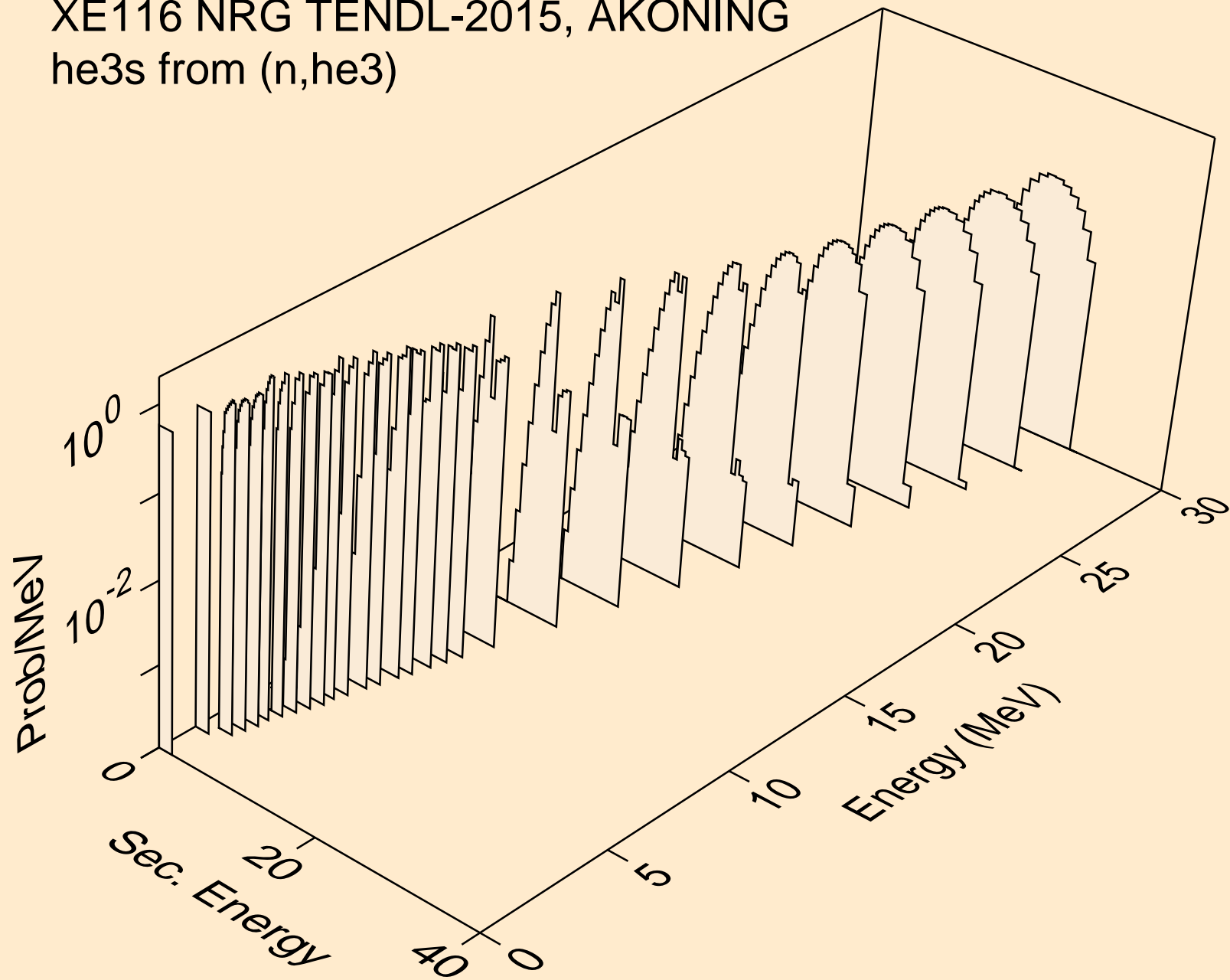
XE116 NRG TENDL-2015, AKONING  
he3s from (n,x)



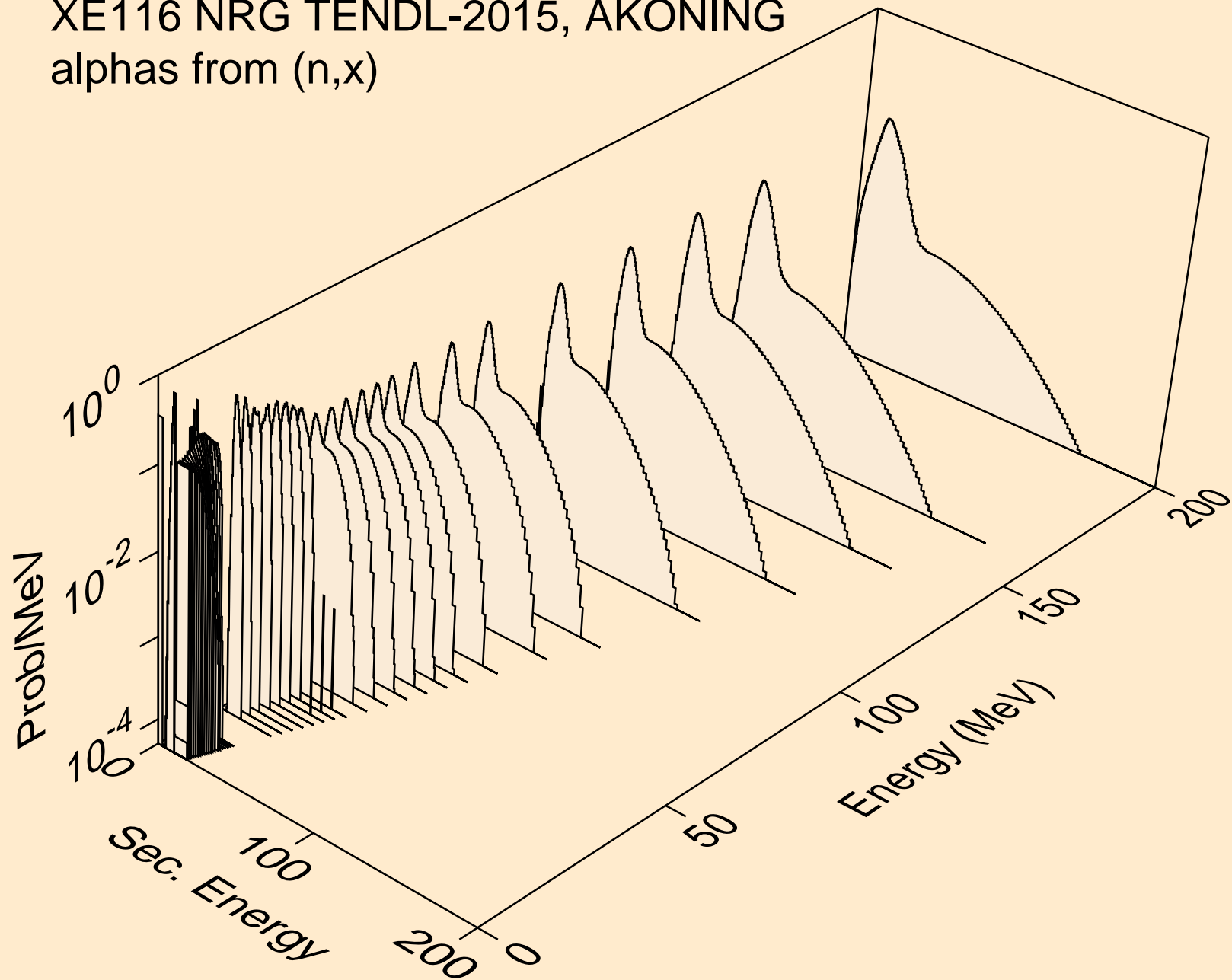
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he3s from (n,n\*)he3



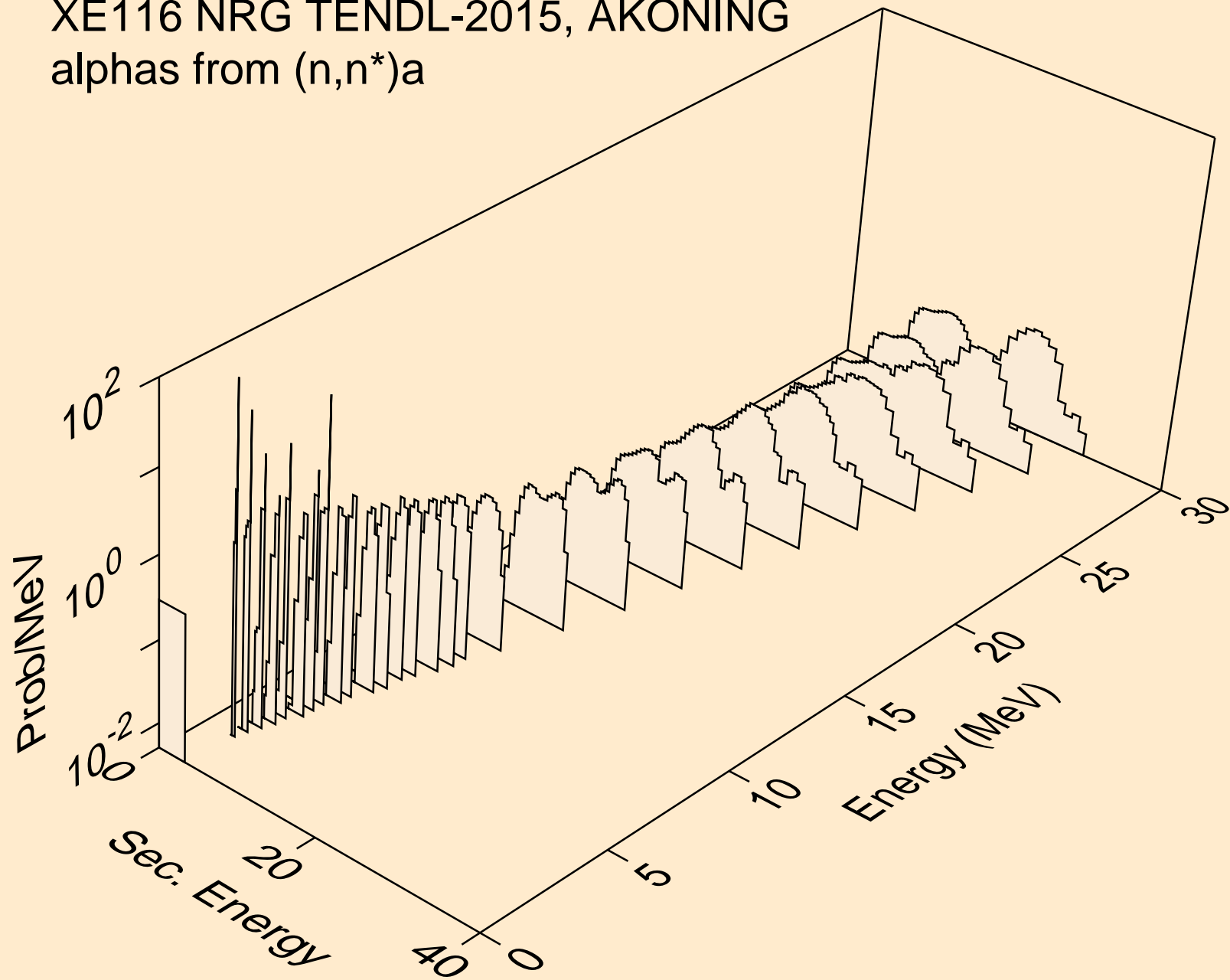
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he3s from (n,he3)



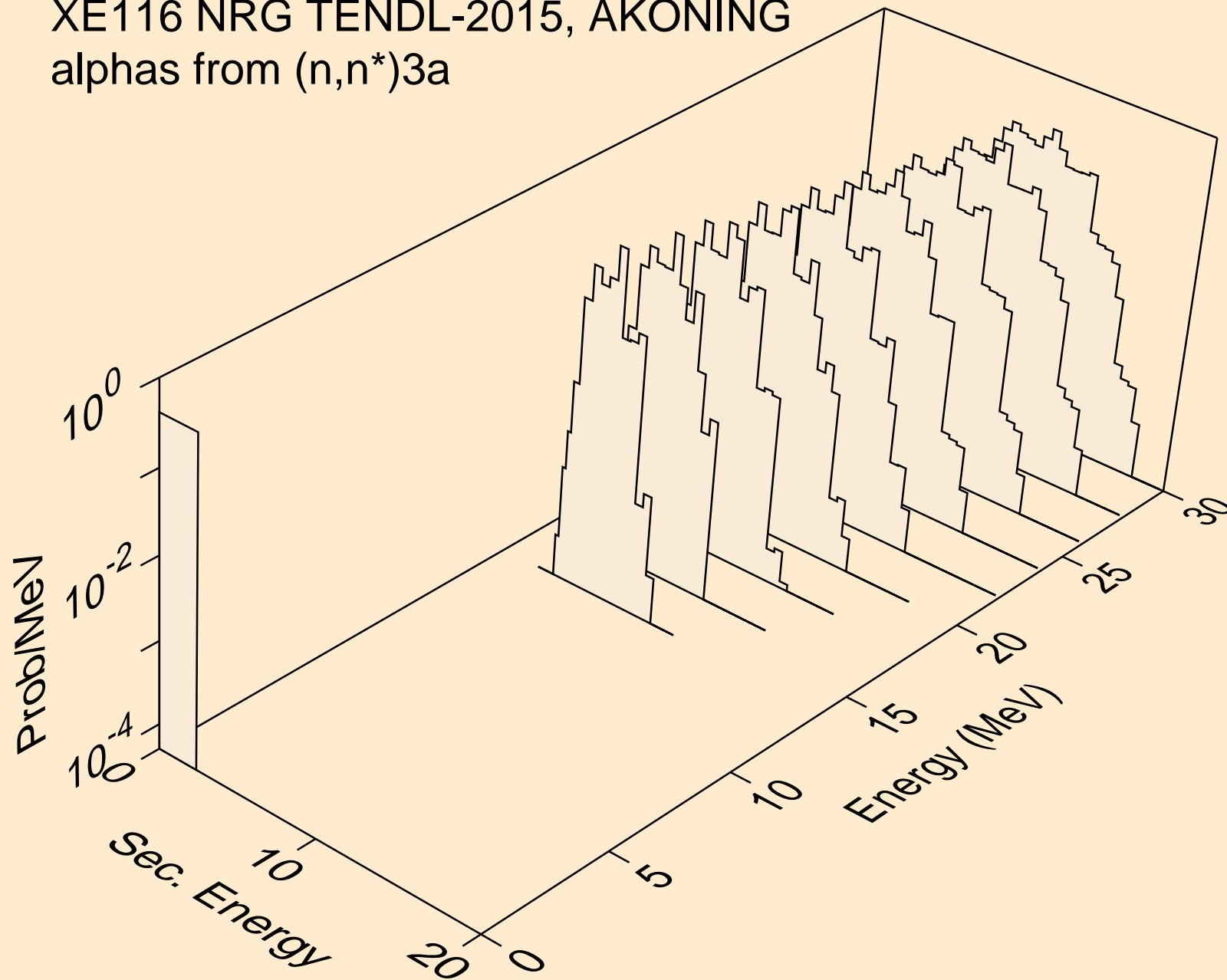
XE116 NRG TENDL-2015, AKONING  
alphas from (n,x)



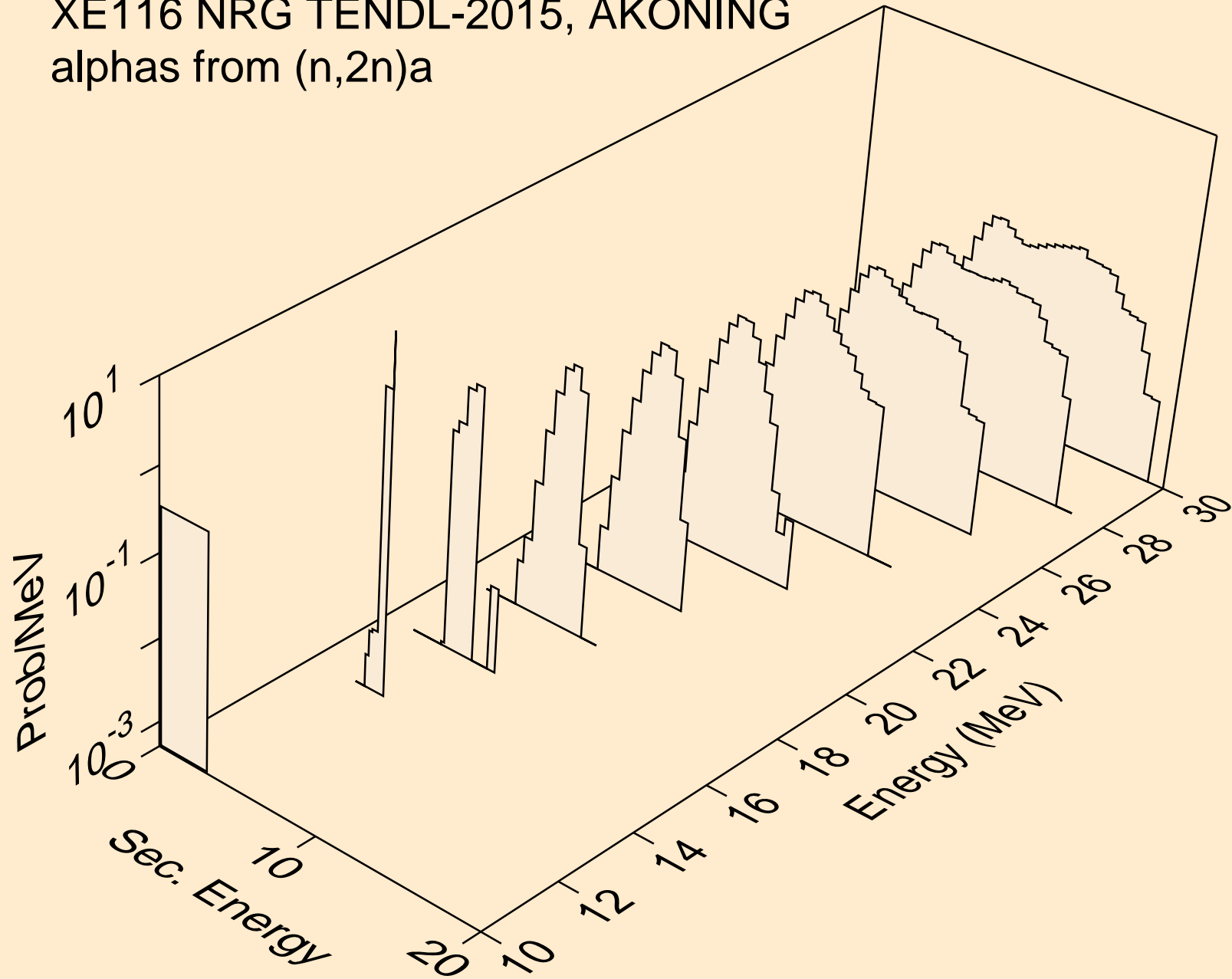
XE116 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



XE116 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a

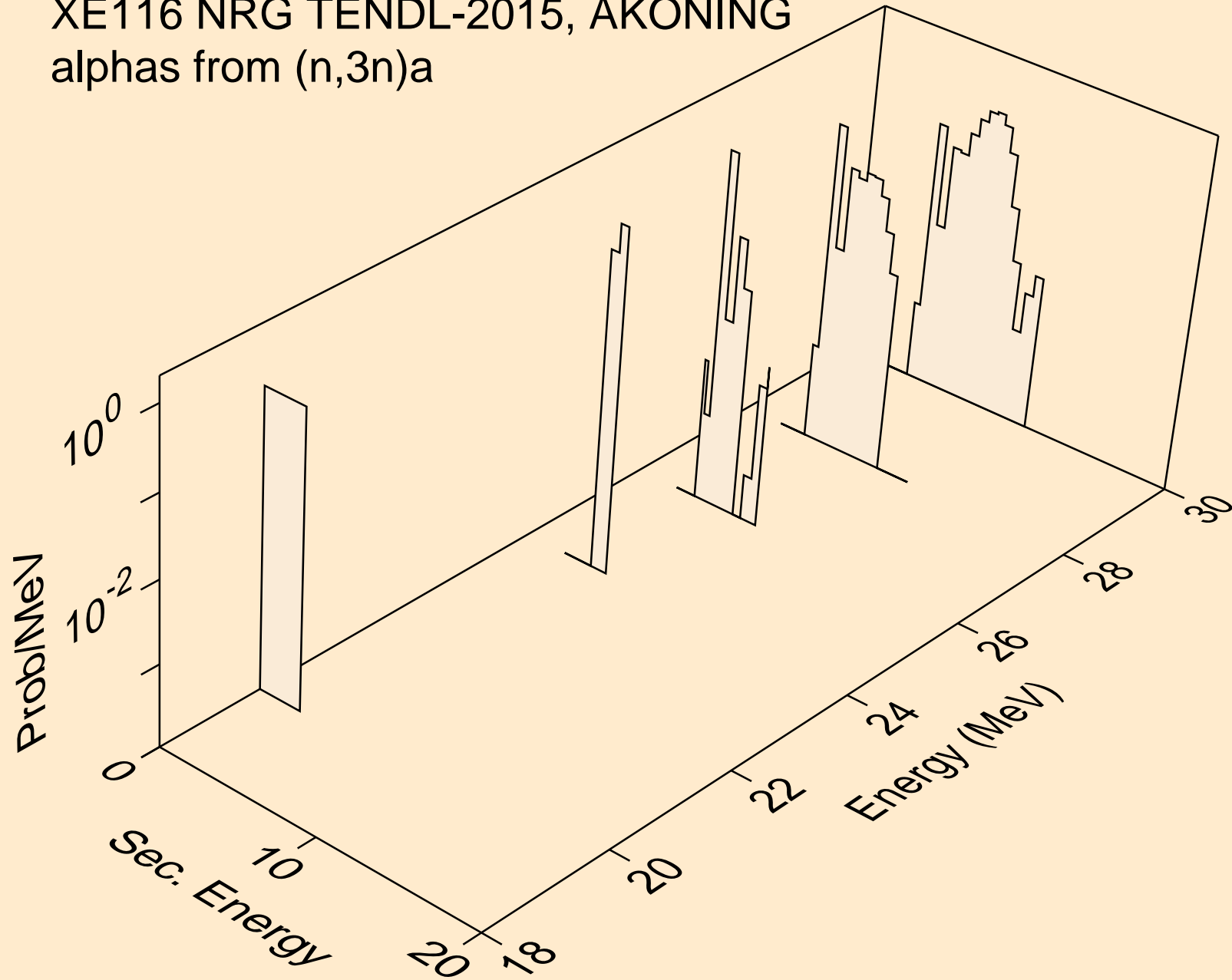


XE116 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

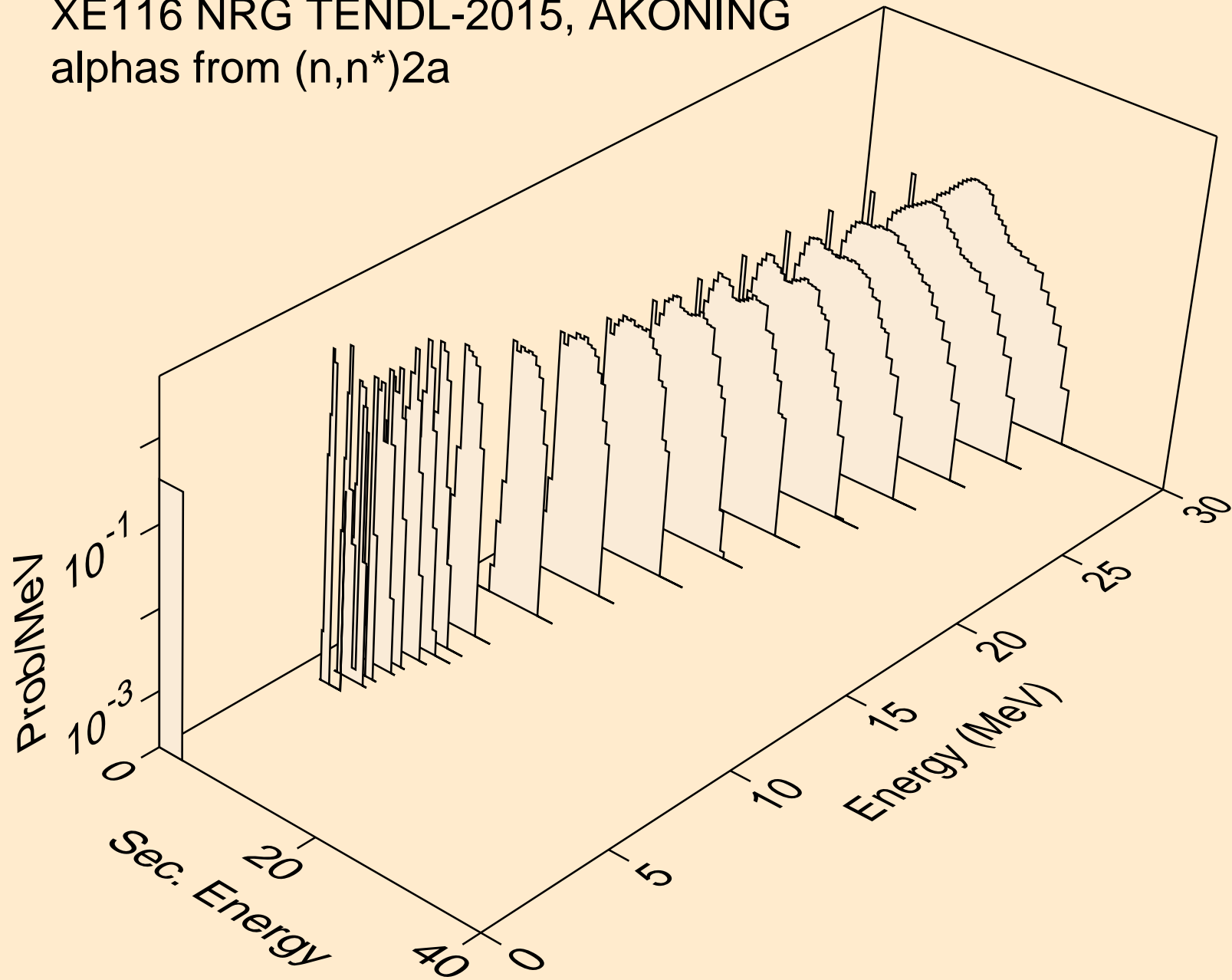




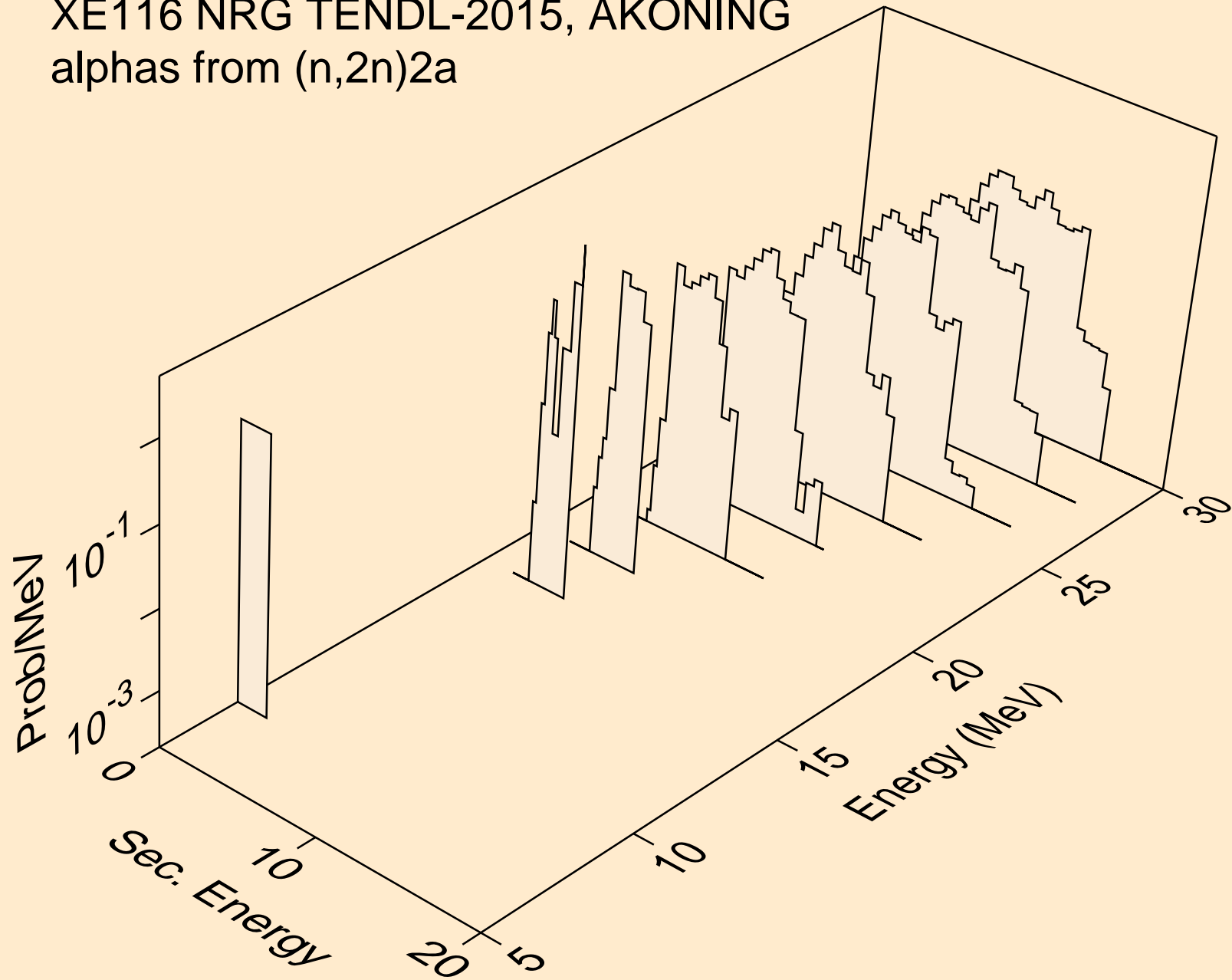
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alphas from (n,3n)a



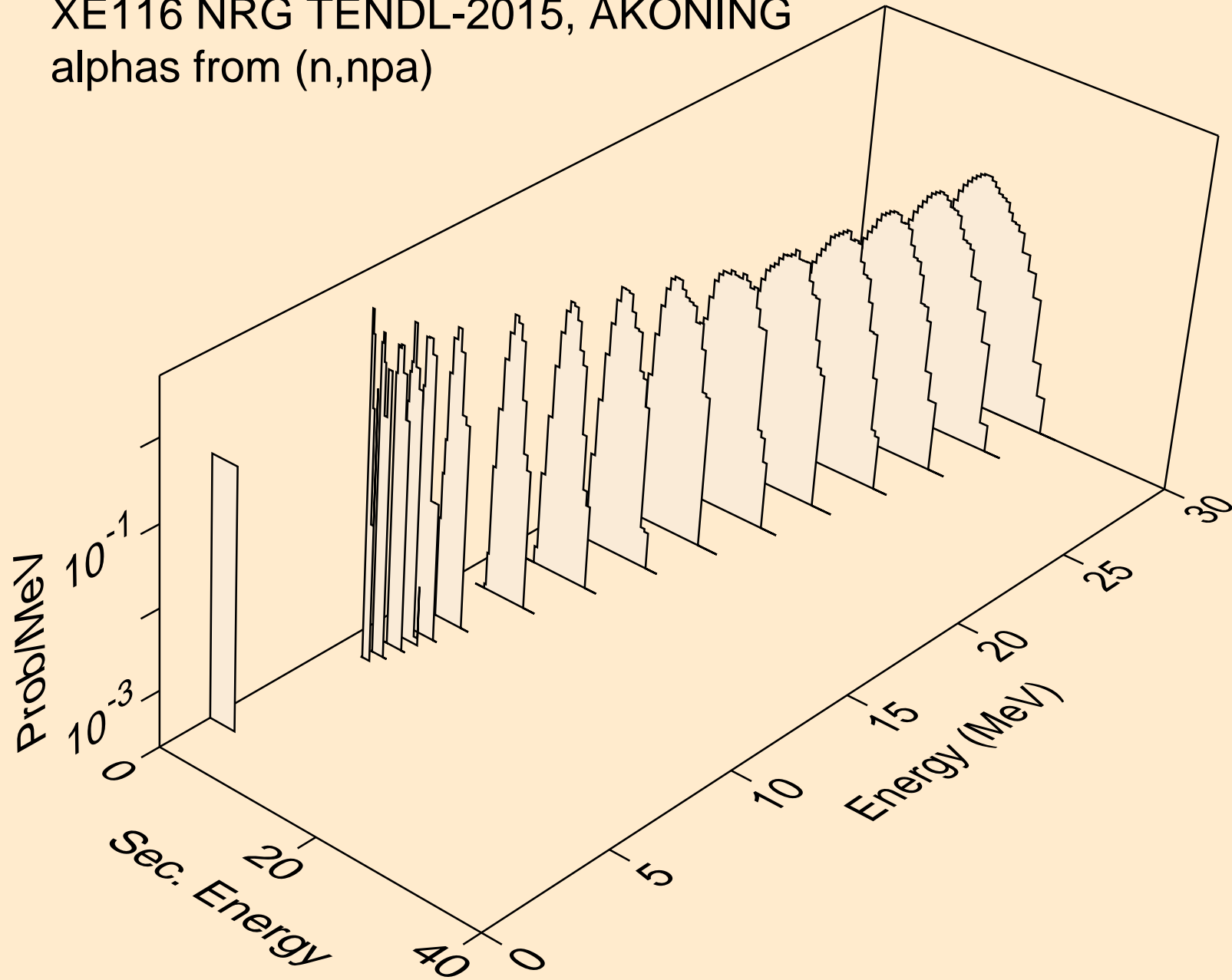
XE116 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



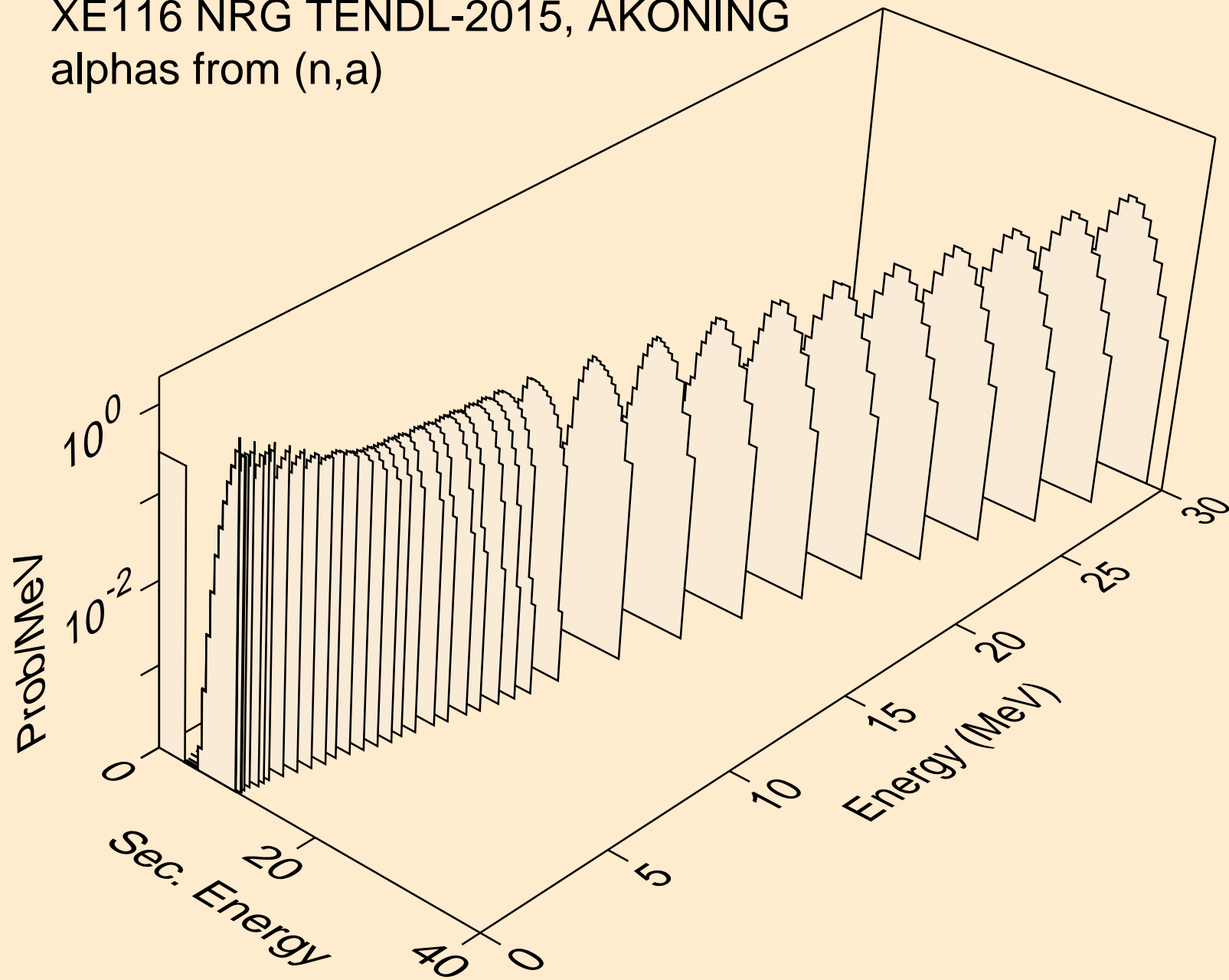
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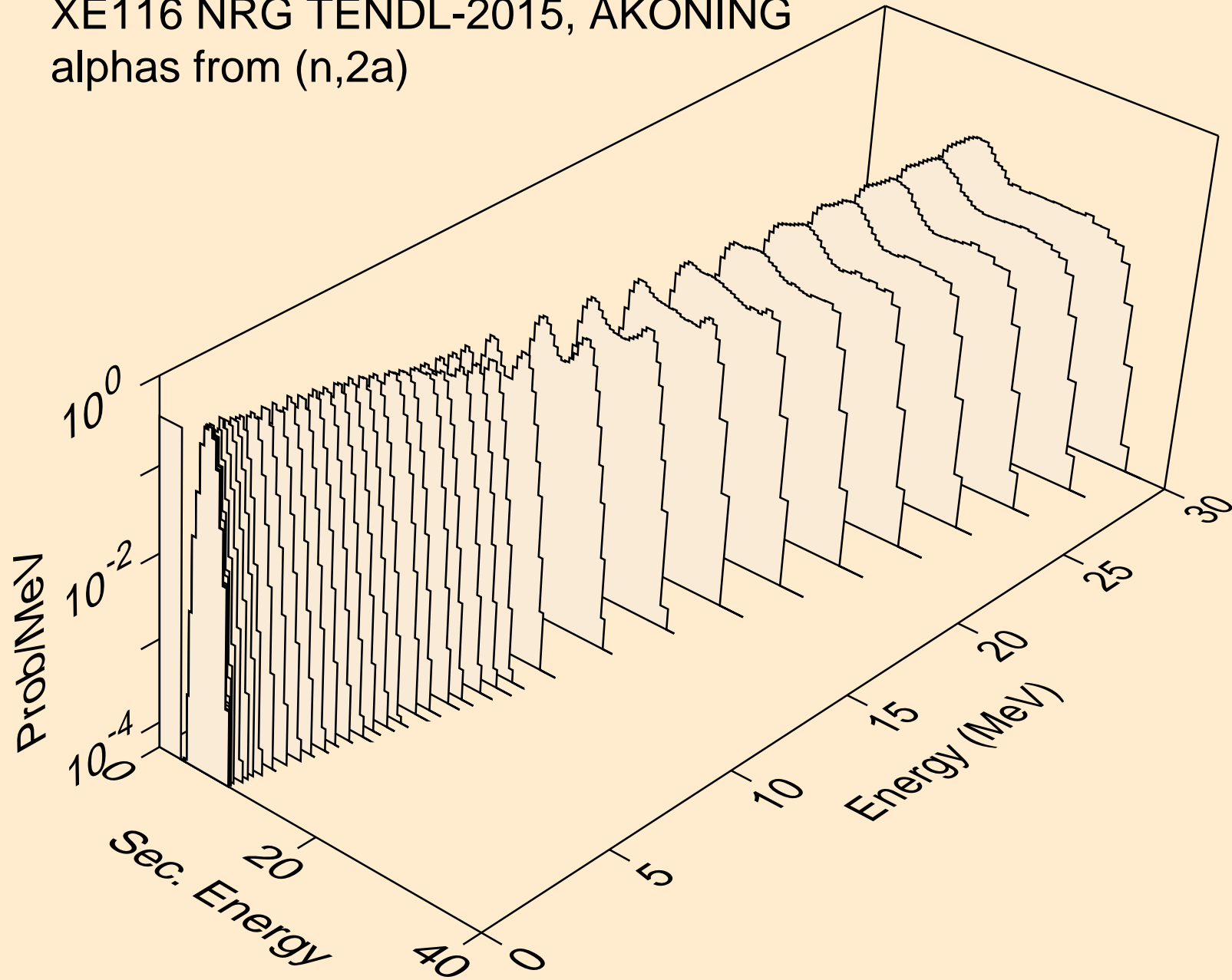
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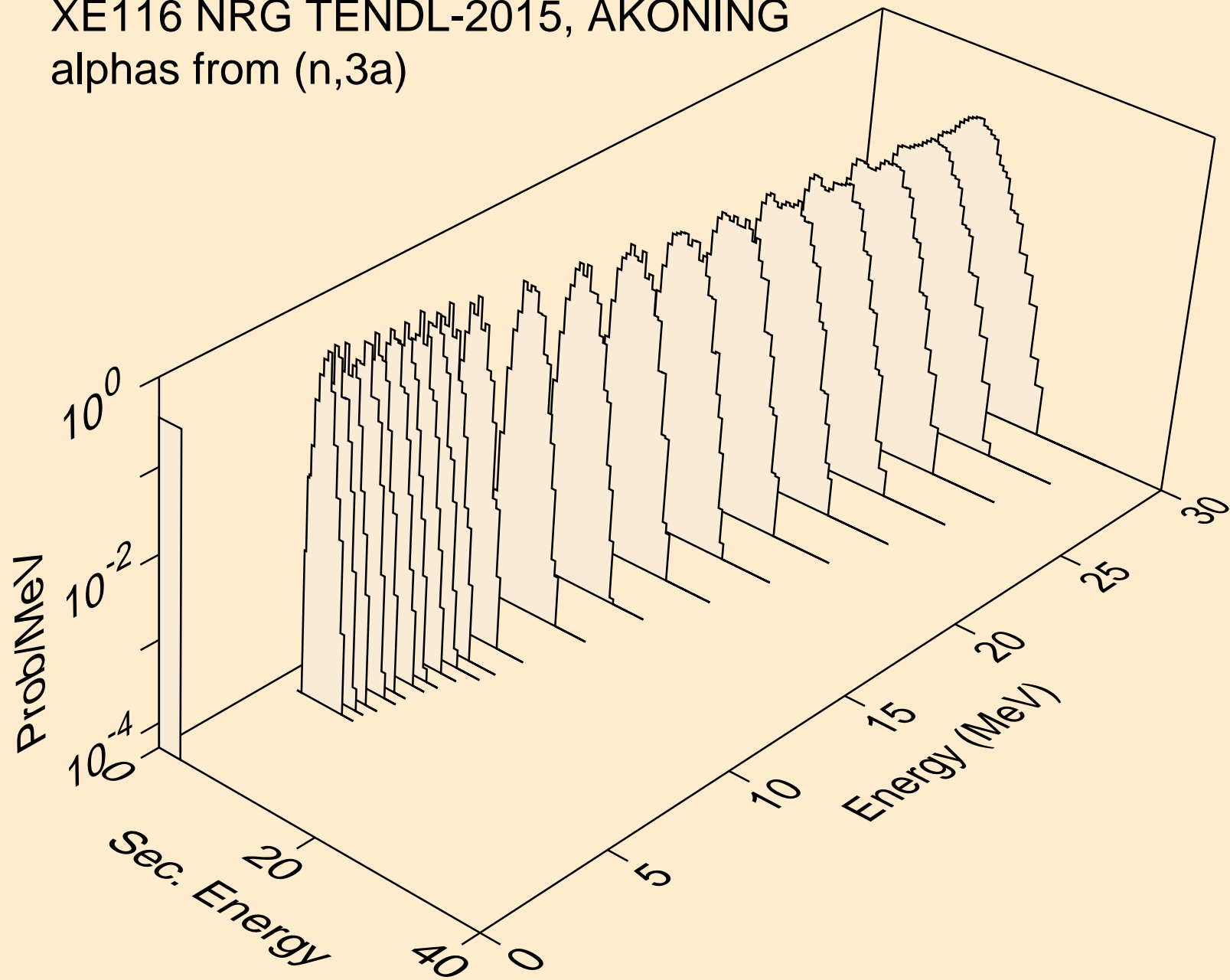
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alphas from (n,a)



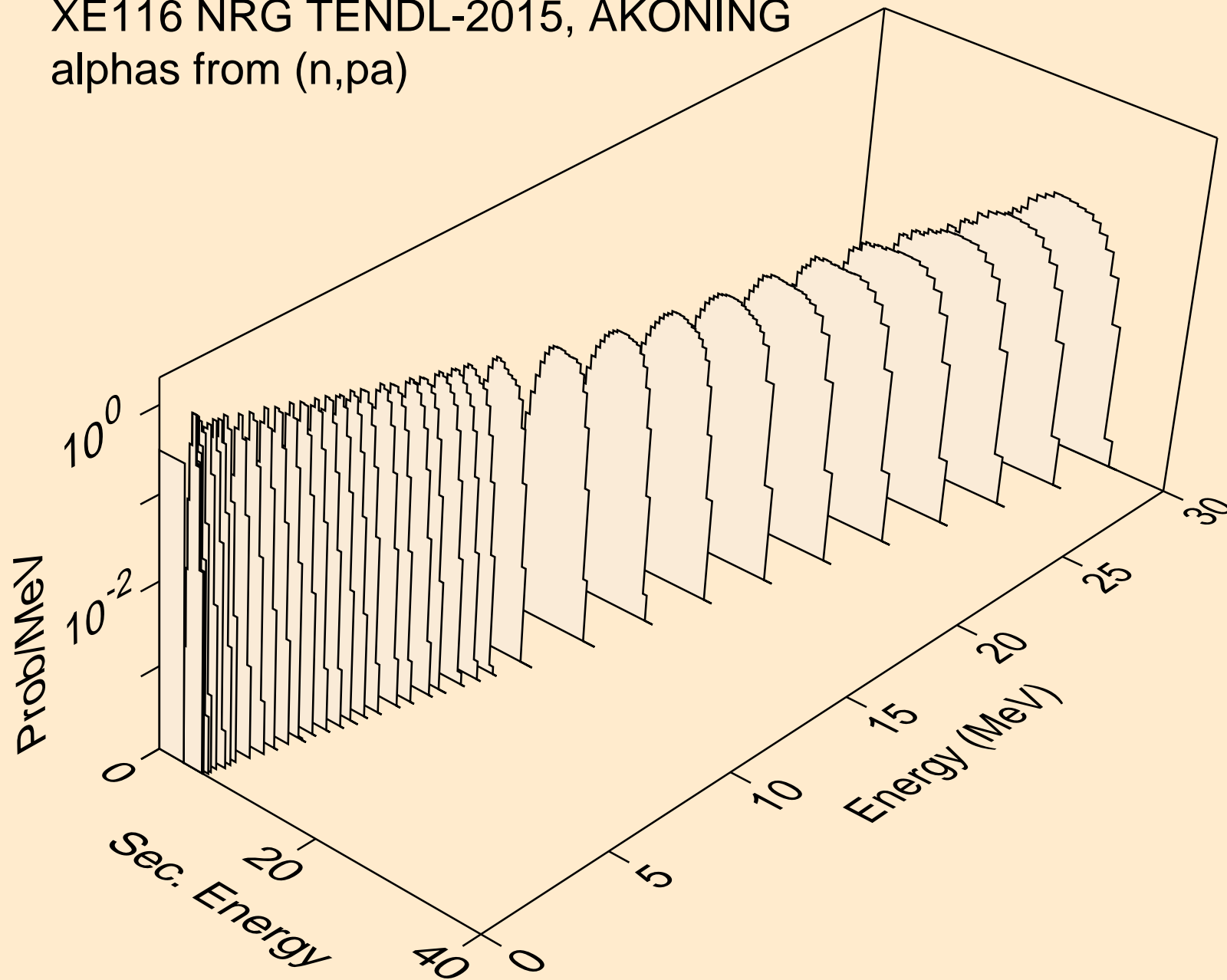
XE116 NRG TENDL-2015, AKONING  
alphas from (n,2a)



XE116 NRG TENDL-2015, AKONING  
alphas from (n,3a)

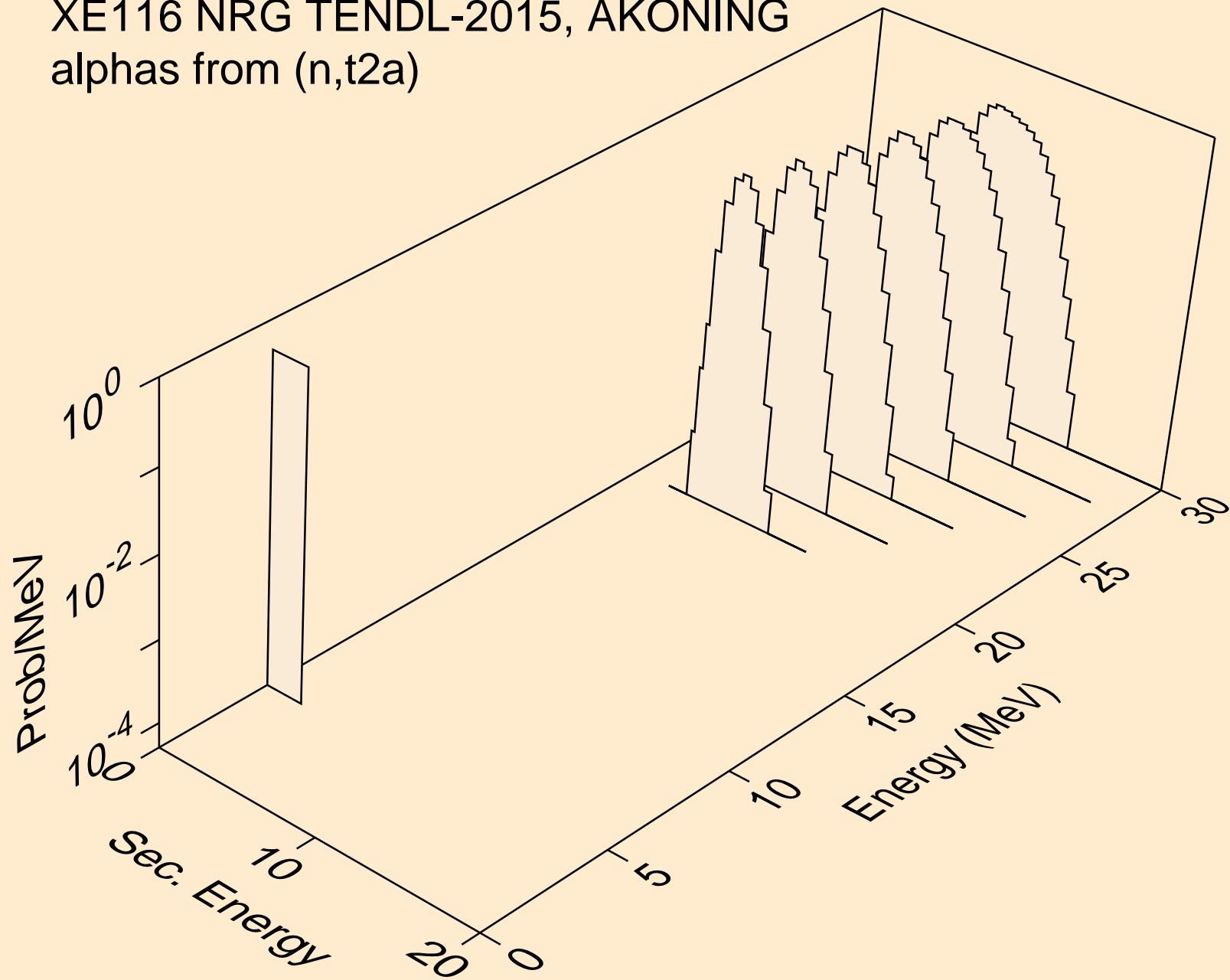


XE116 NRG TENDL-2015, AKONING  
alphas from (n,pa)

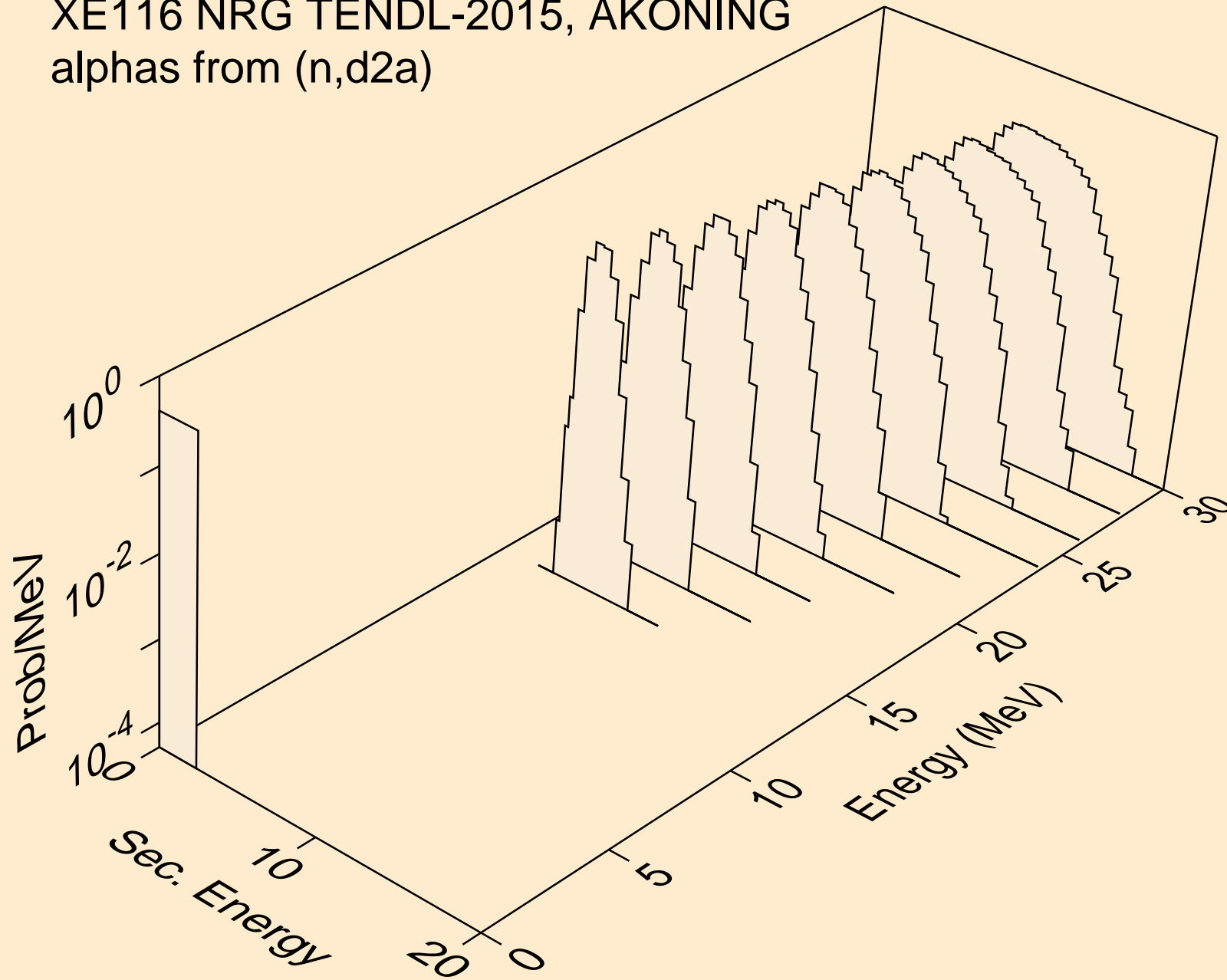




XE116 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



XE116 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



XE116 NRG TENDL-2015, AKONING  
alphas from (n,da)

