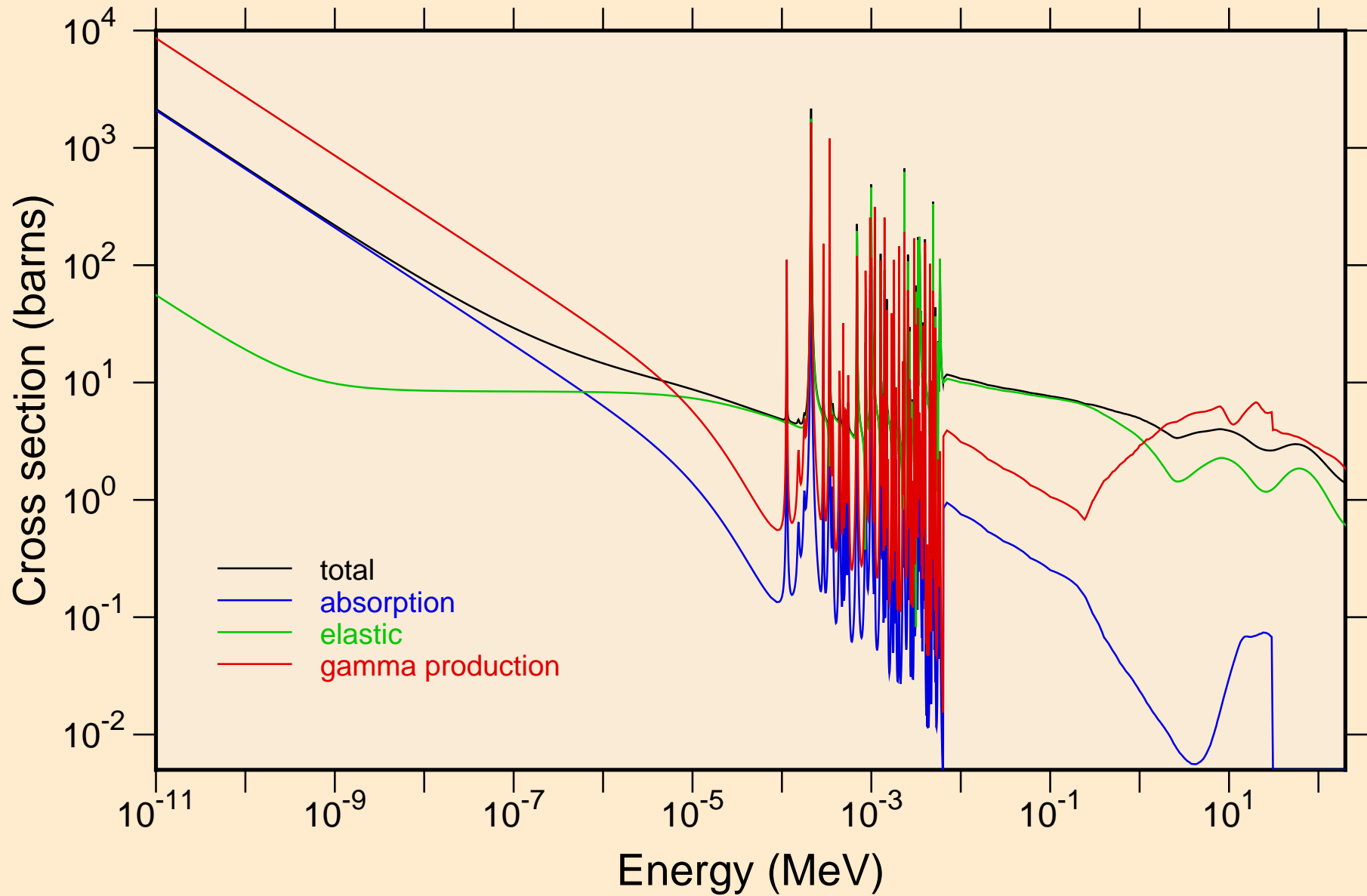
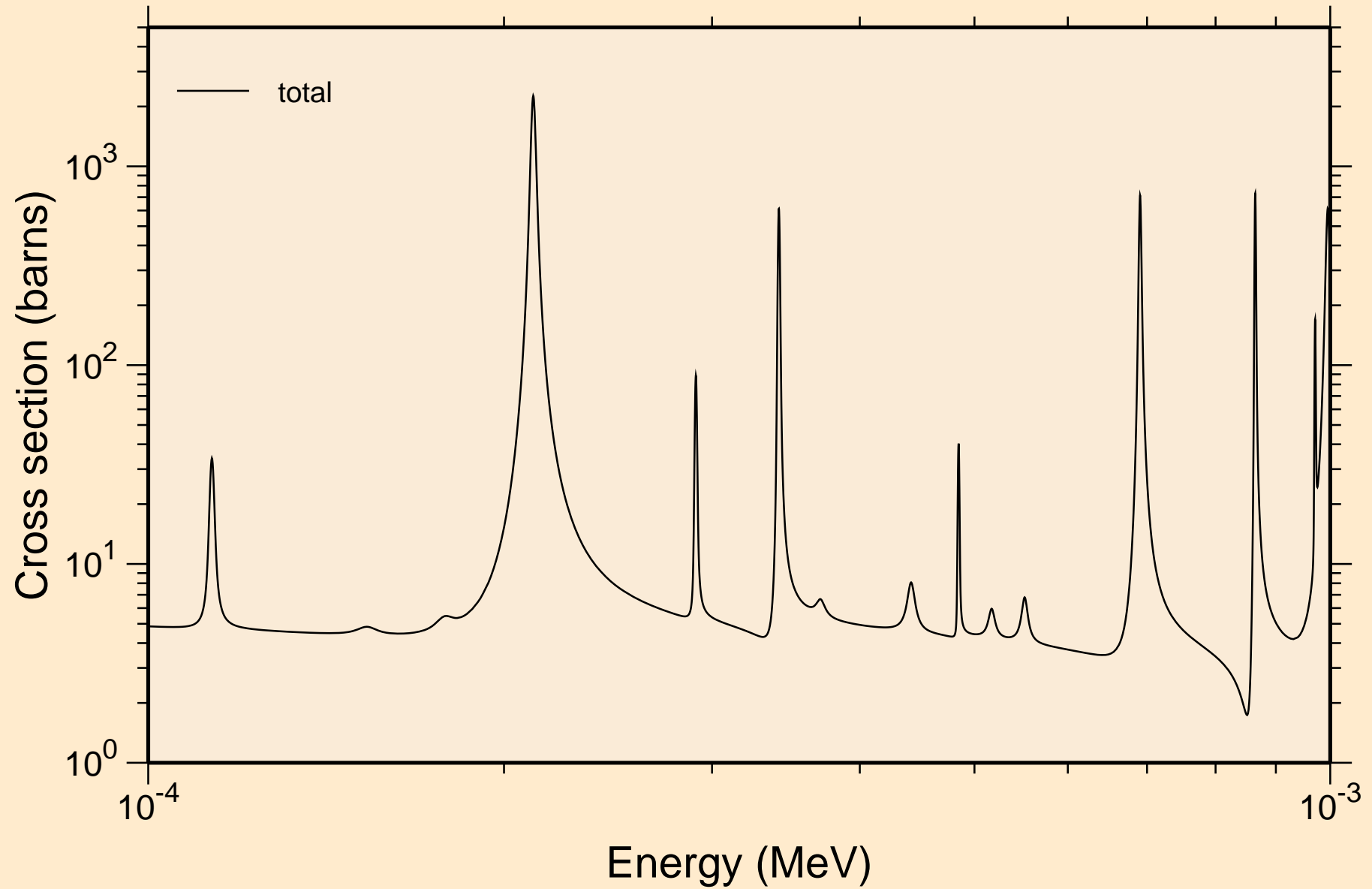


# SE077 NRG TENDL-2016, AKONING

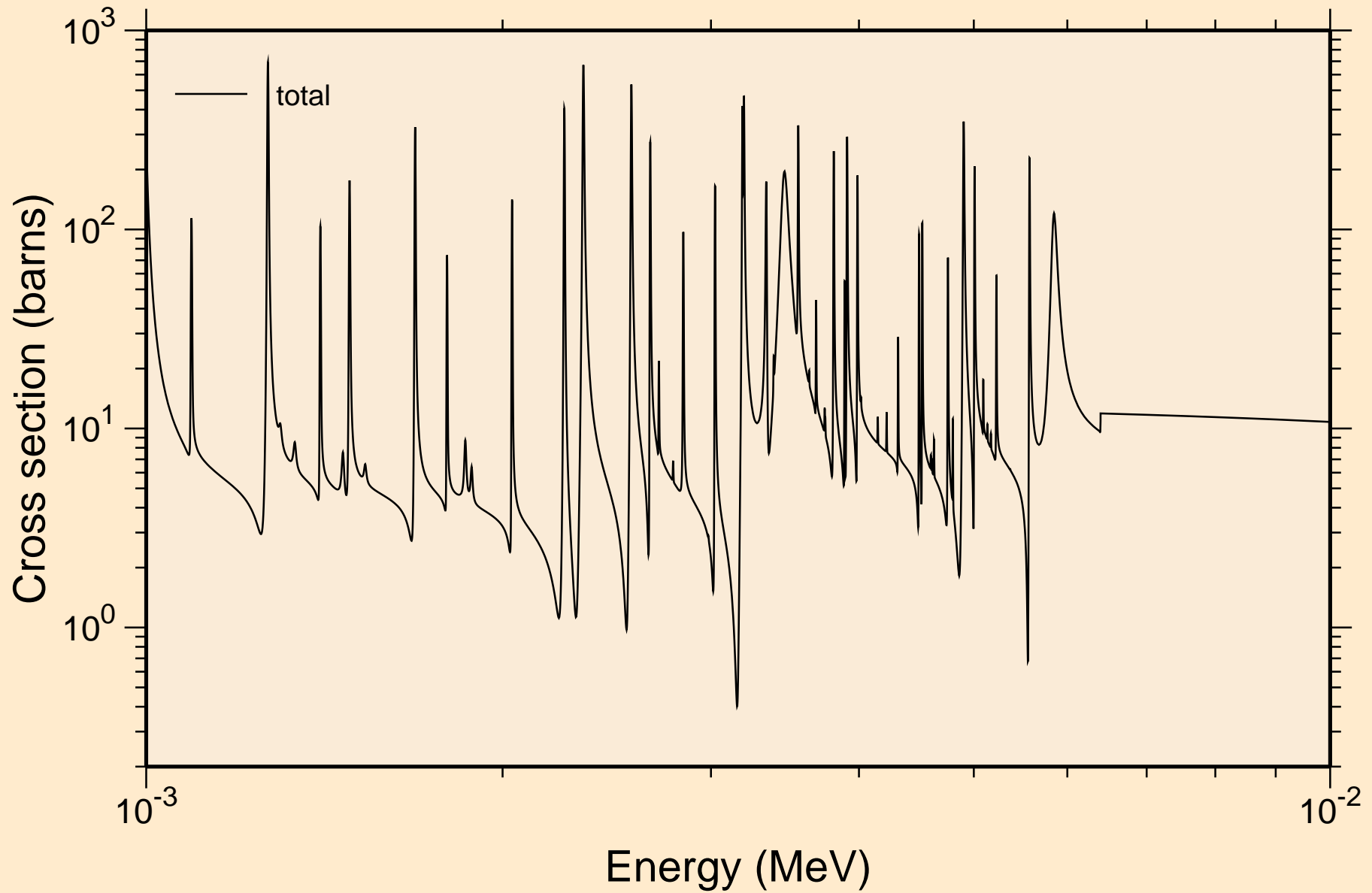
## Principal cross sections



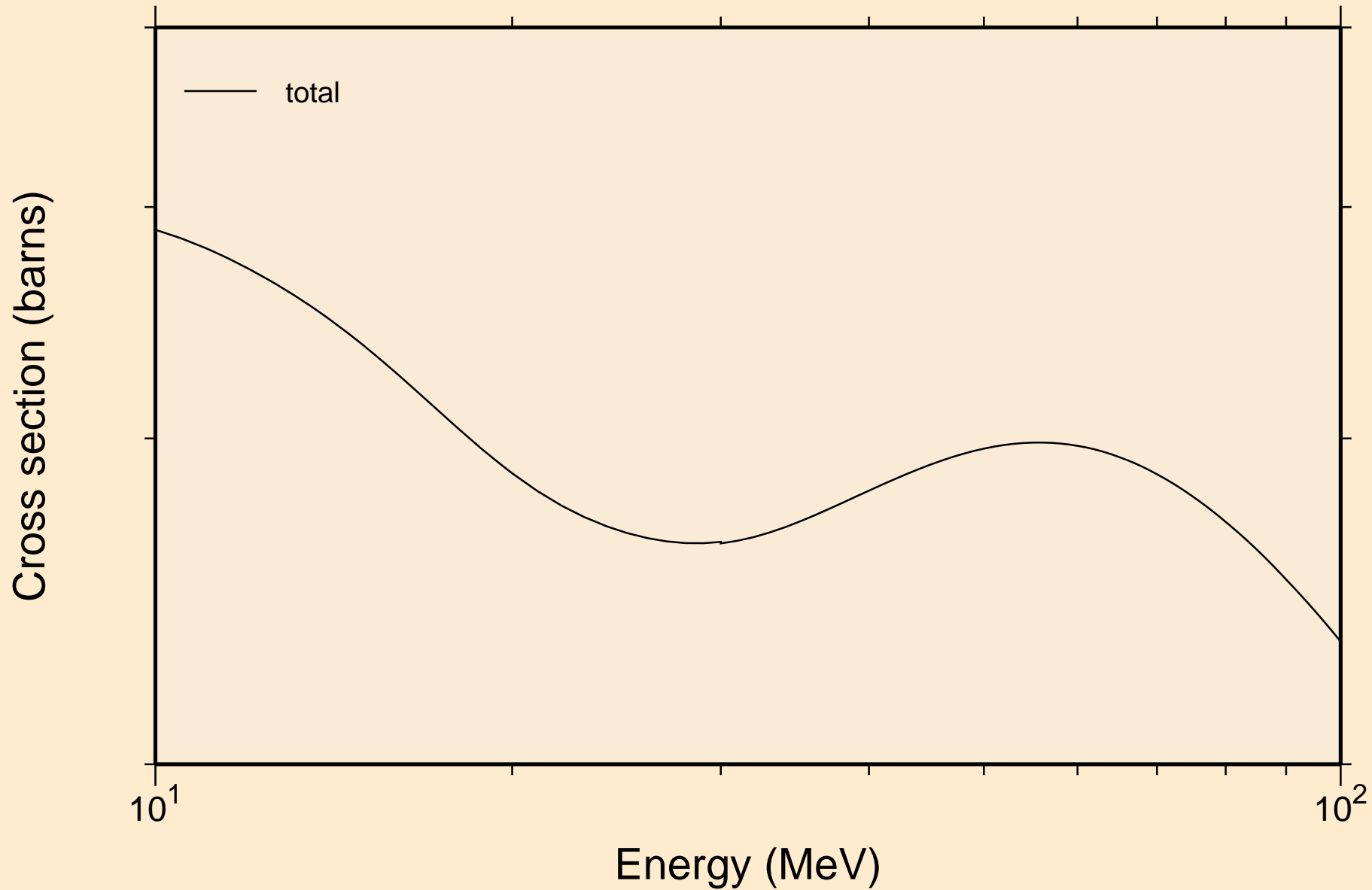
SE077 NRG TENDL-2016, AKONING  
resonance total cross section



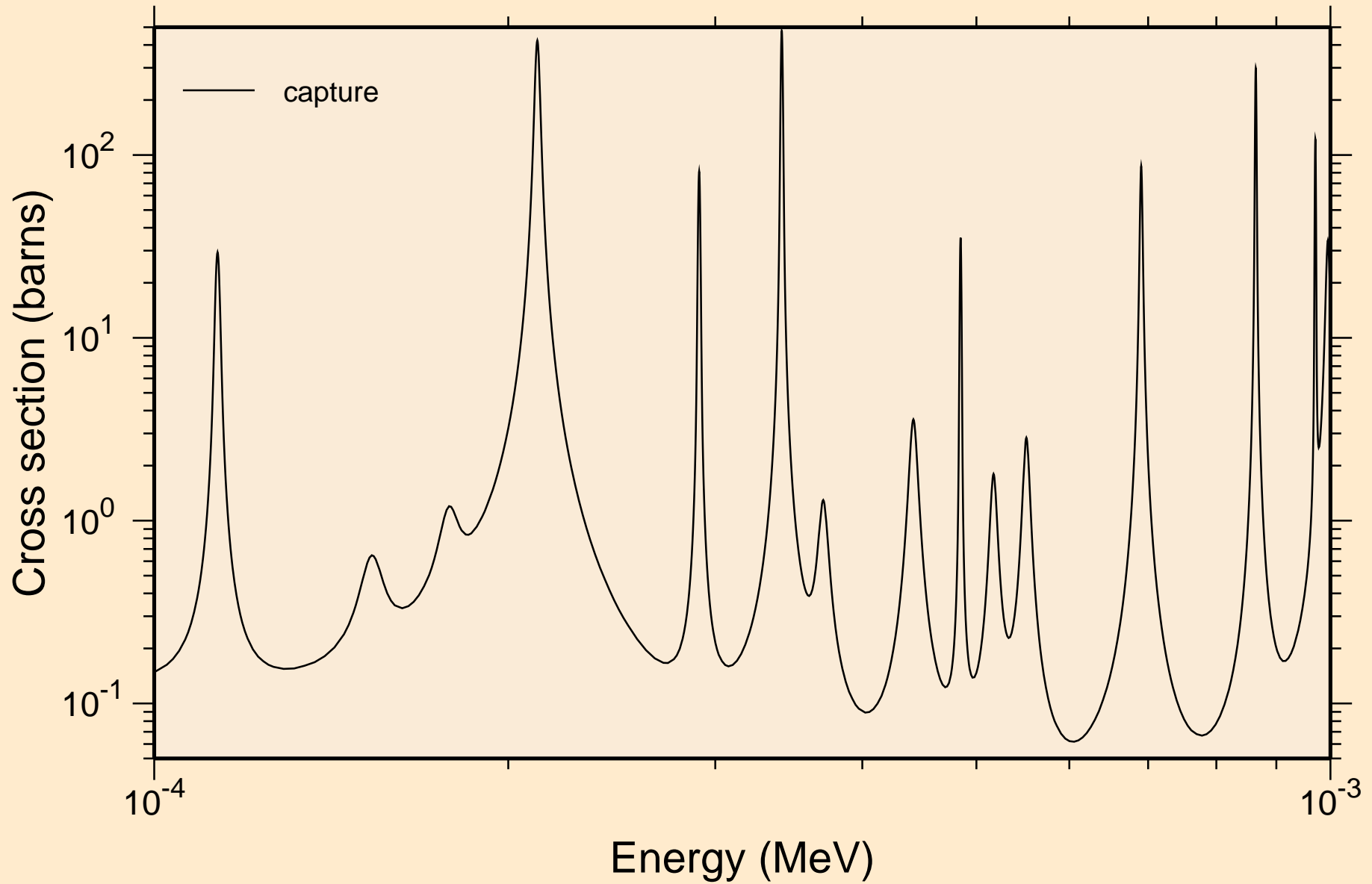
SE077 NRG TENDL-2016, AKONING  
resonance total cross section



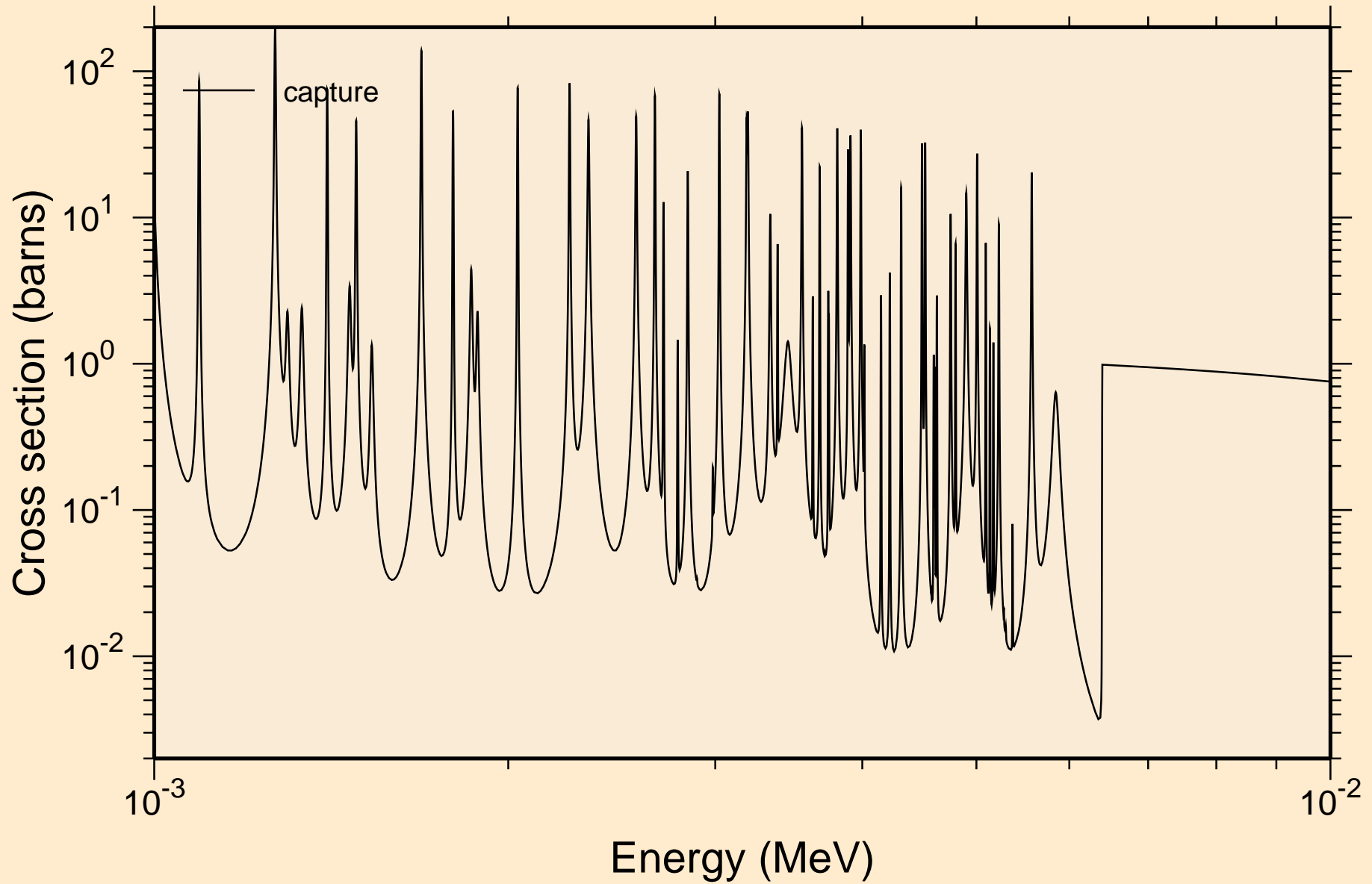
S $\bar{E}$ 077 NRG TENDL-2016, AKONING  
resonance total cross section



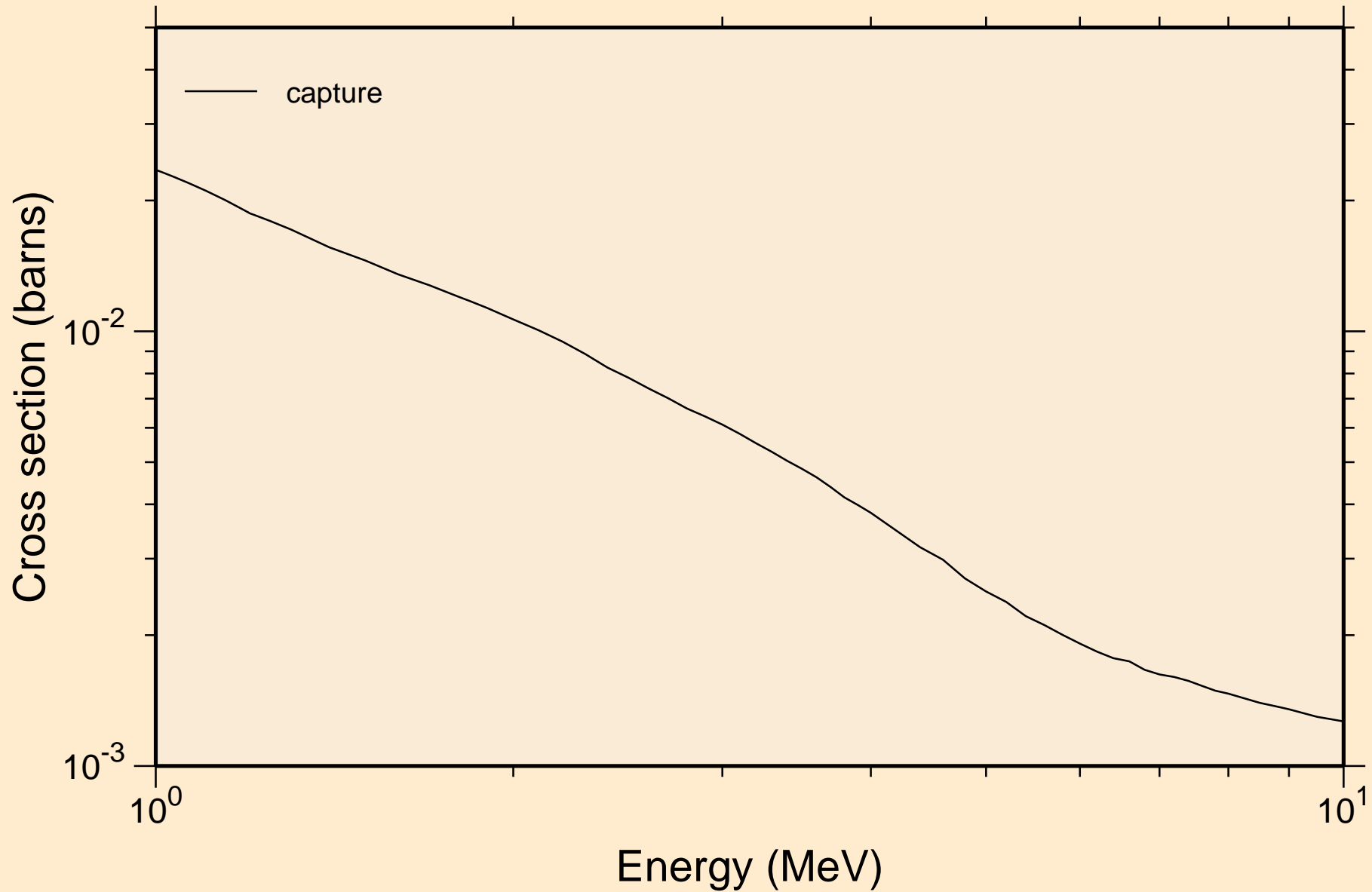
SE077 NRG TENDL-2016, AKONING  
resonance absorption cross sections



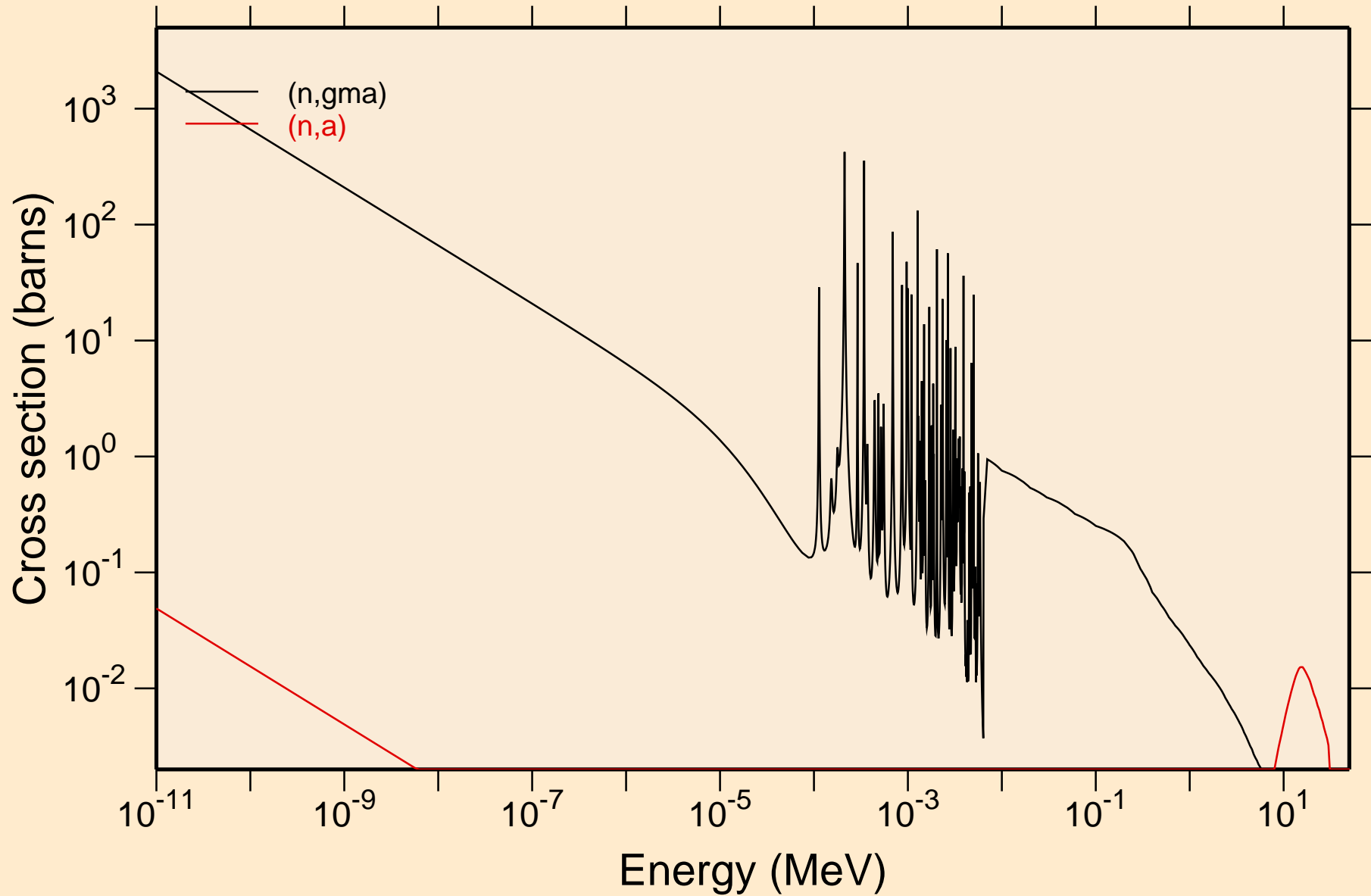
SE077 NRG TENDL-2016, AKONING  
resonance absorption cross sections



SE077 NRG TENDL-2016, AKONING  
resonance absorption cross sections



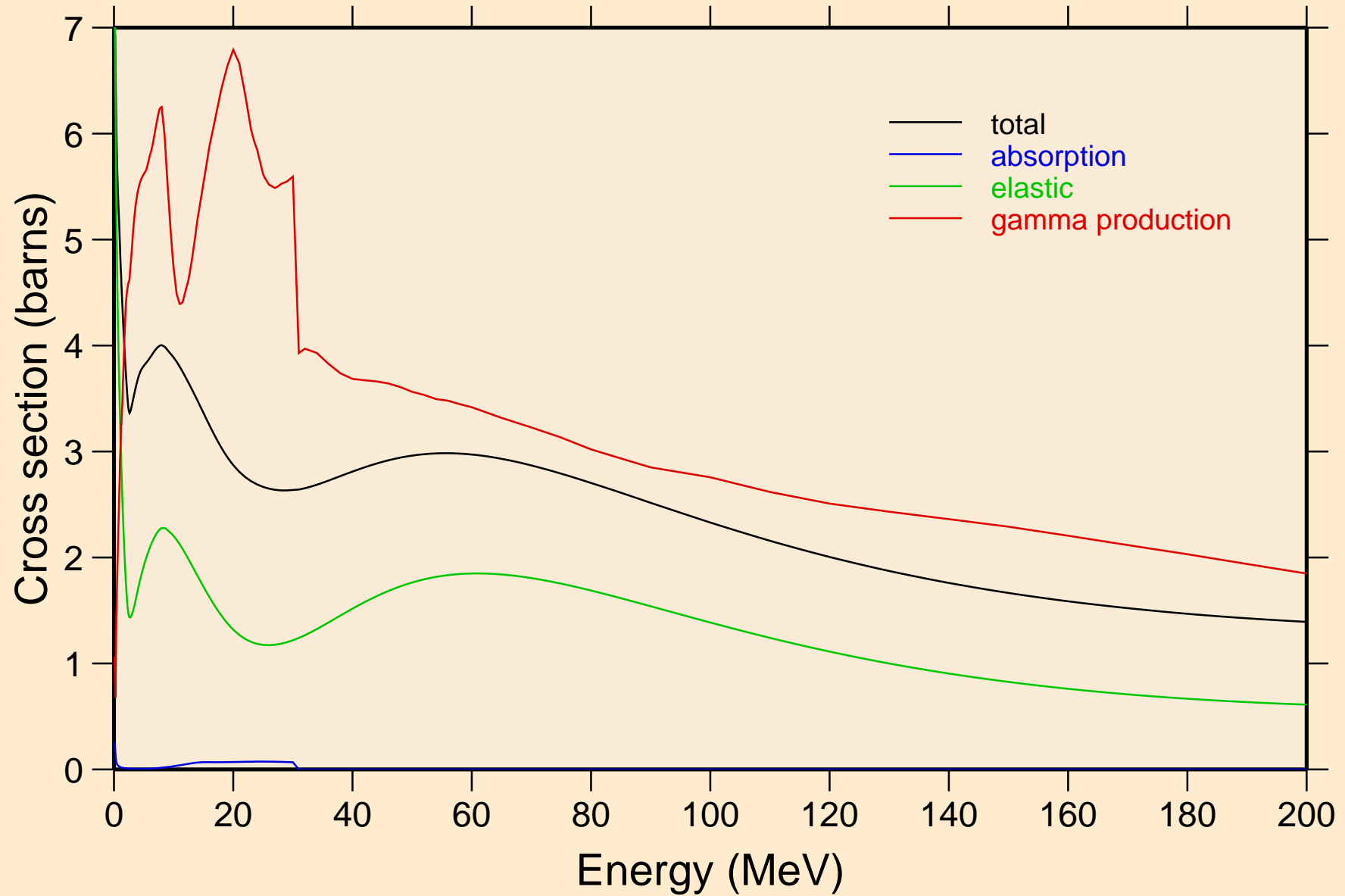
SE077 NRG TENDL-2016, AKONING  
Non-threshold reactions



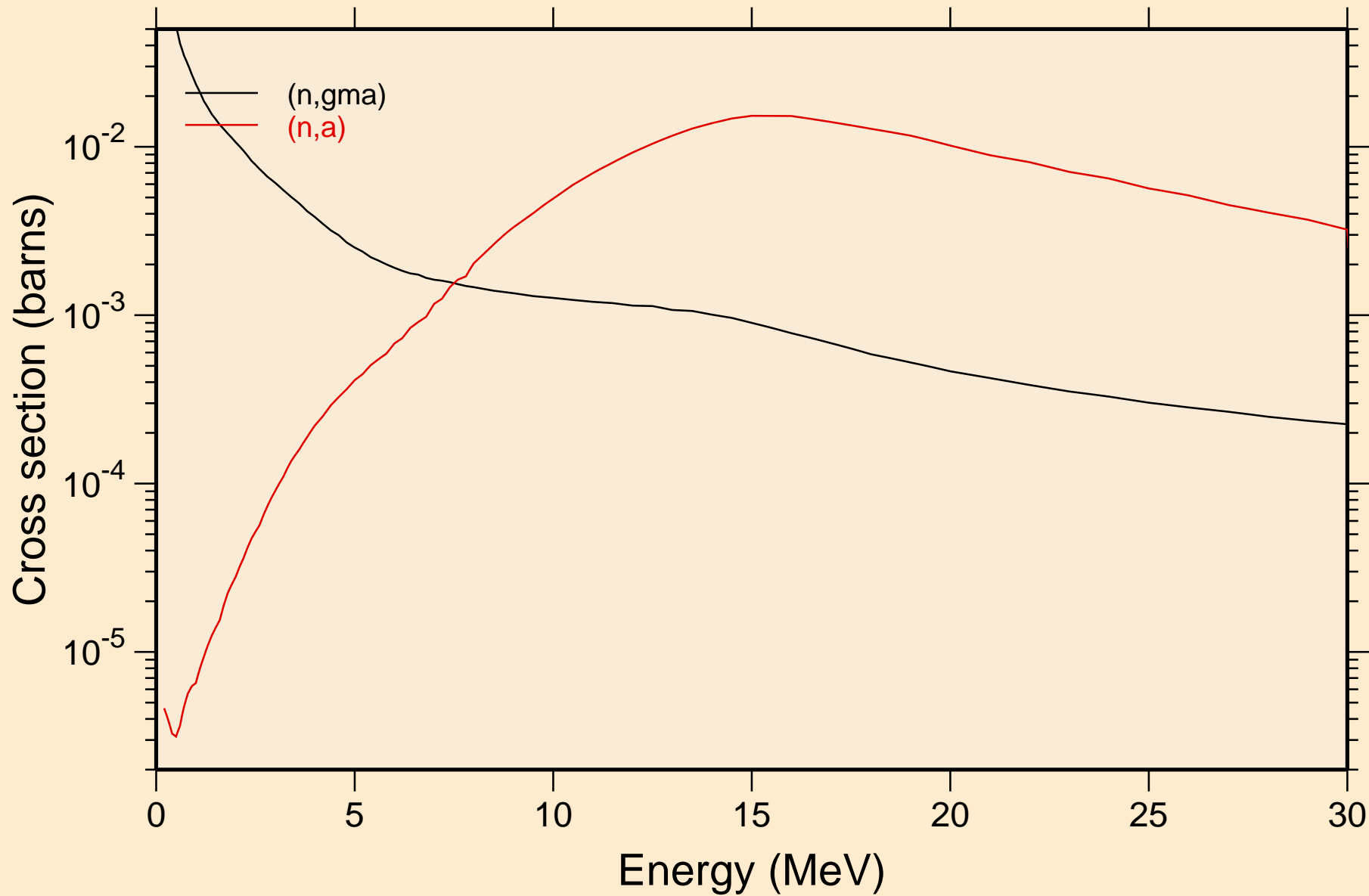


# SE077 NRG TENDL-2016, AKONING

## Principal cross sections

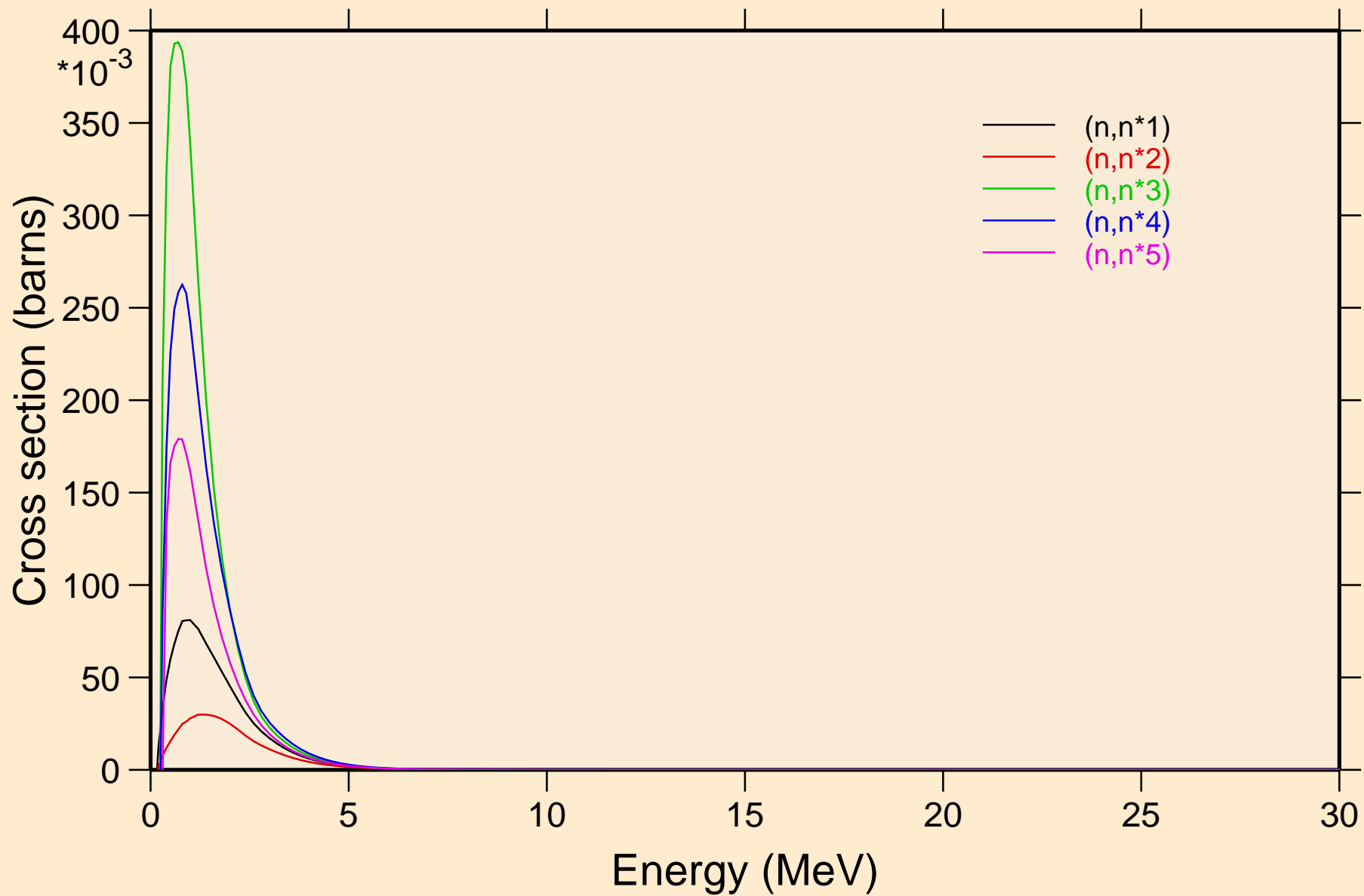


SE077 NRG TENDL-2016, AKONING  
Non-threshold reactions



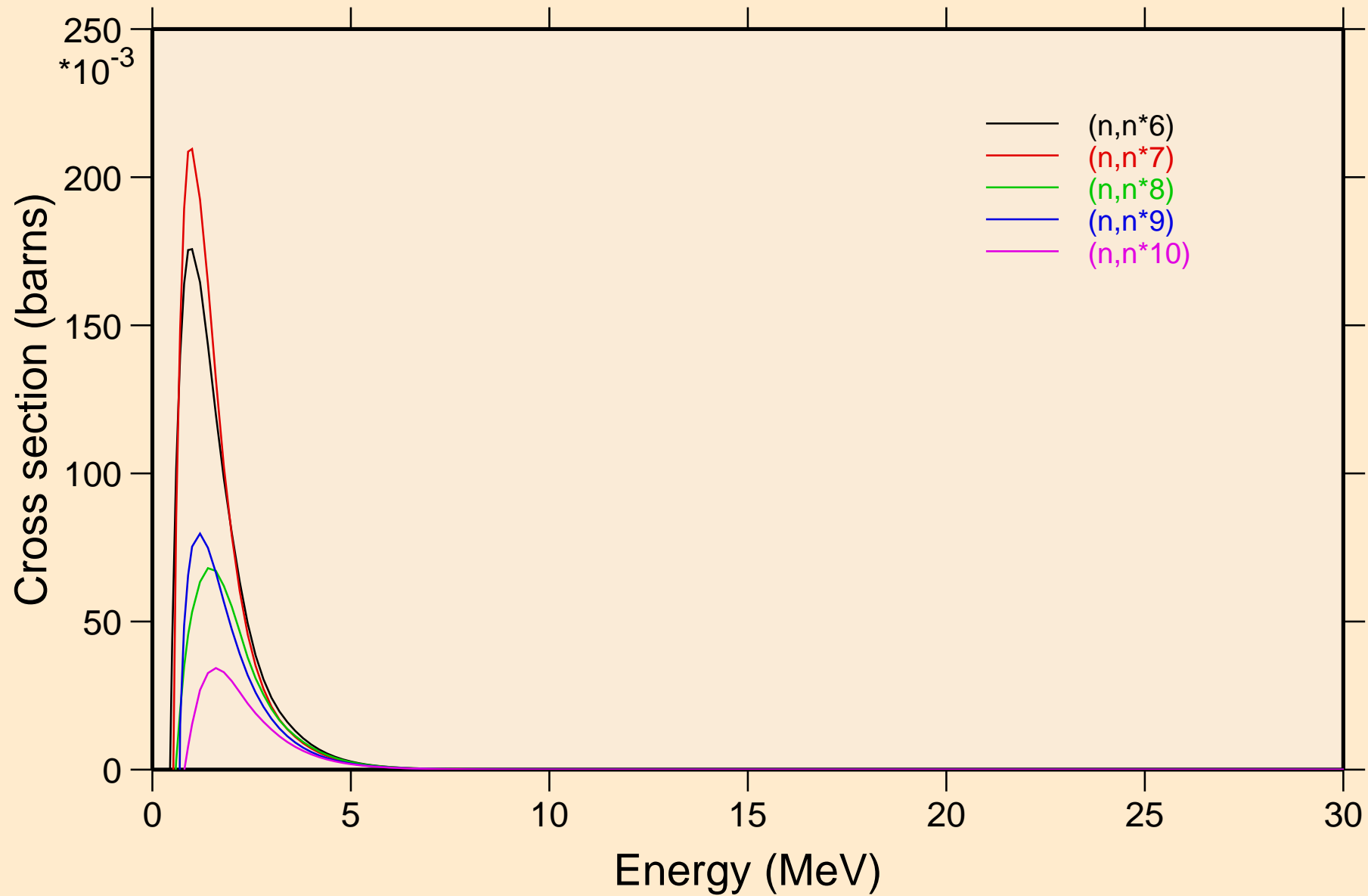
# SE077 NRG TENDL-2016, AKONING

## Inelastic levels



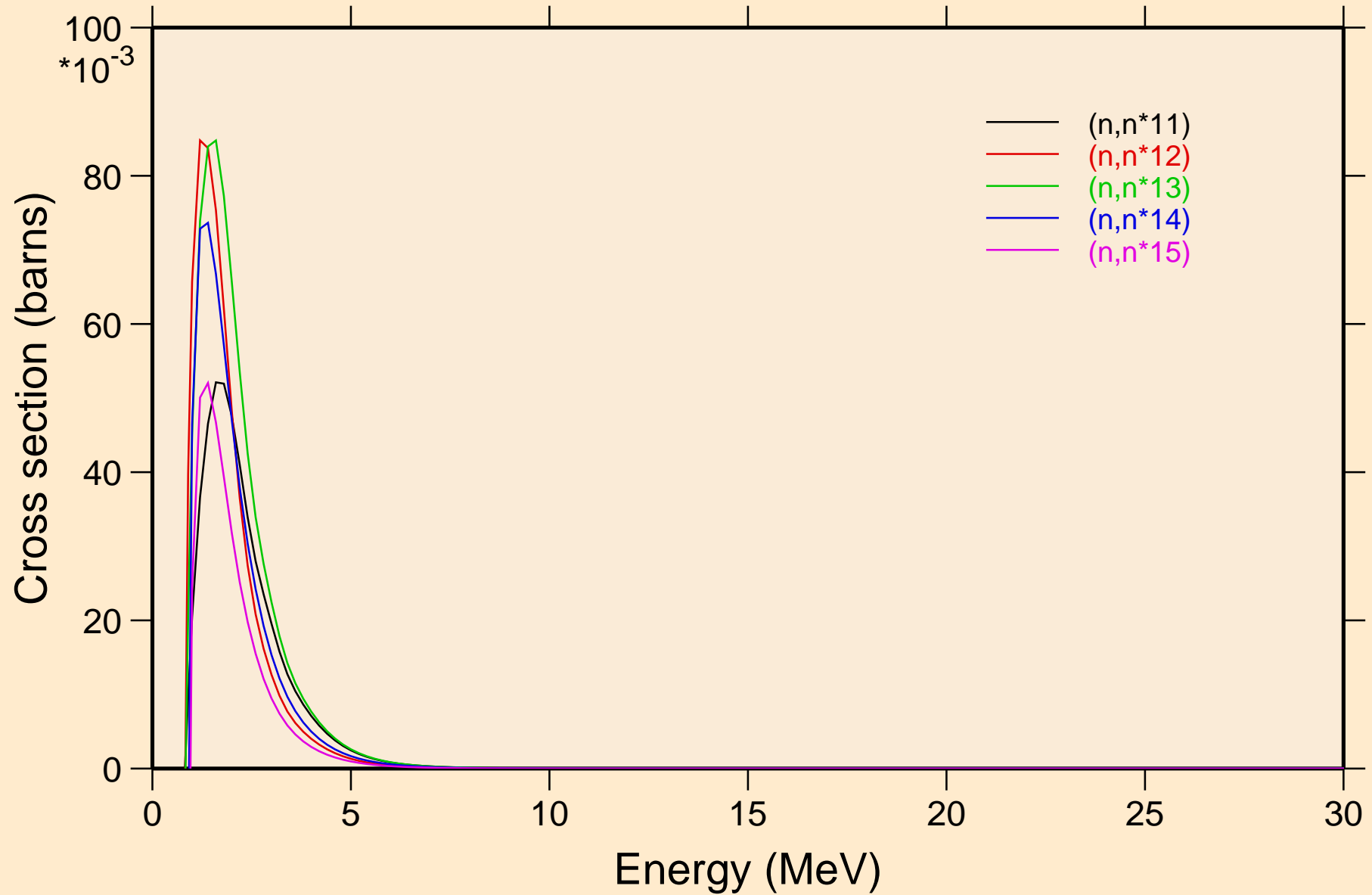
# SE077 NRG TENDL-2016, AKONING

## Inelastic levels



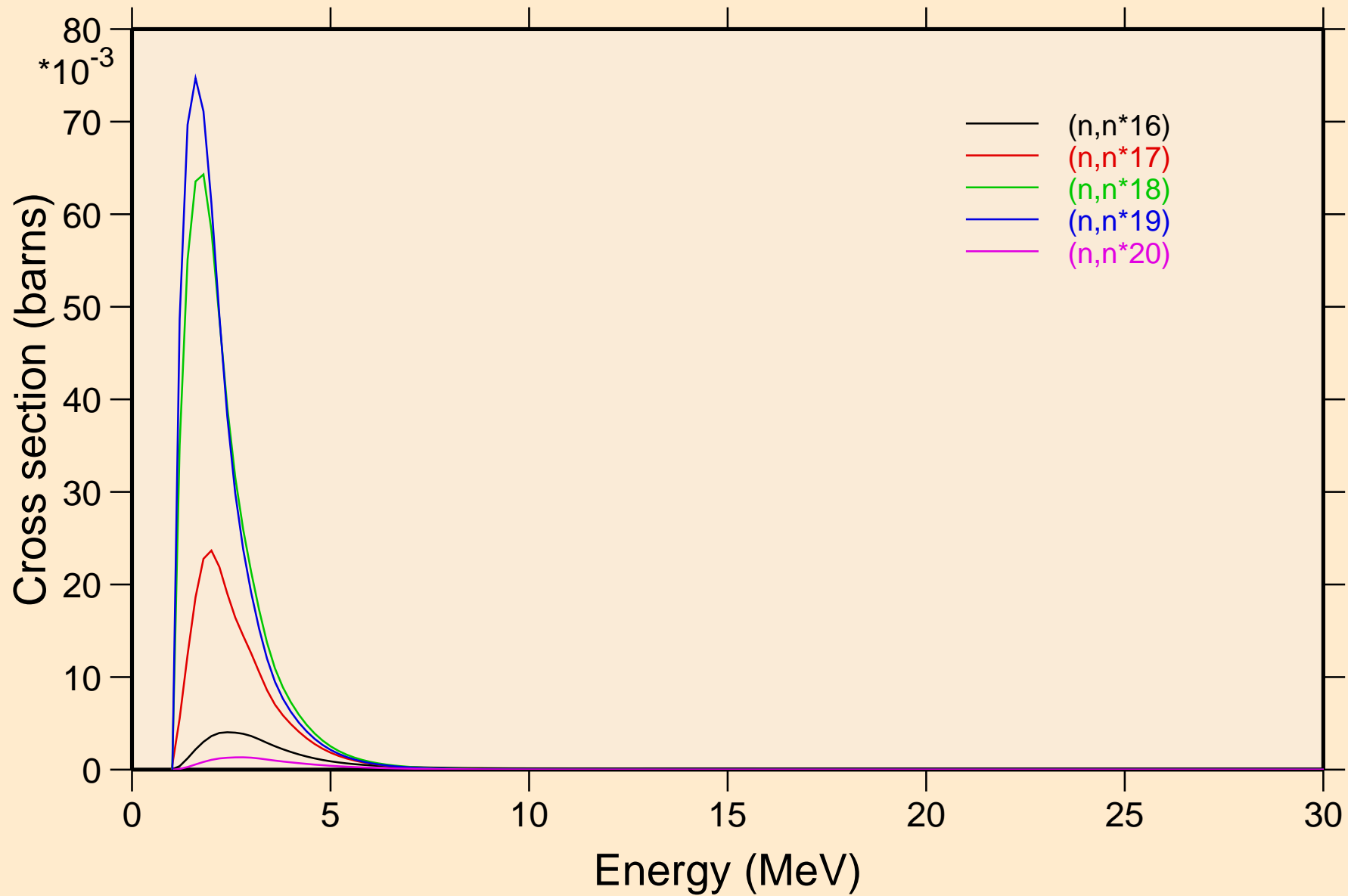
# SE077 NRG TENDL-2016, AKONING

## Inelastic levels



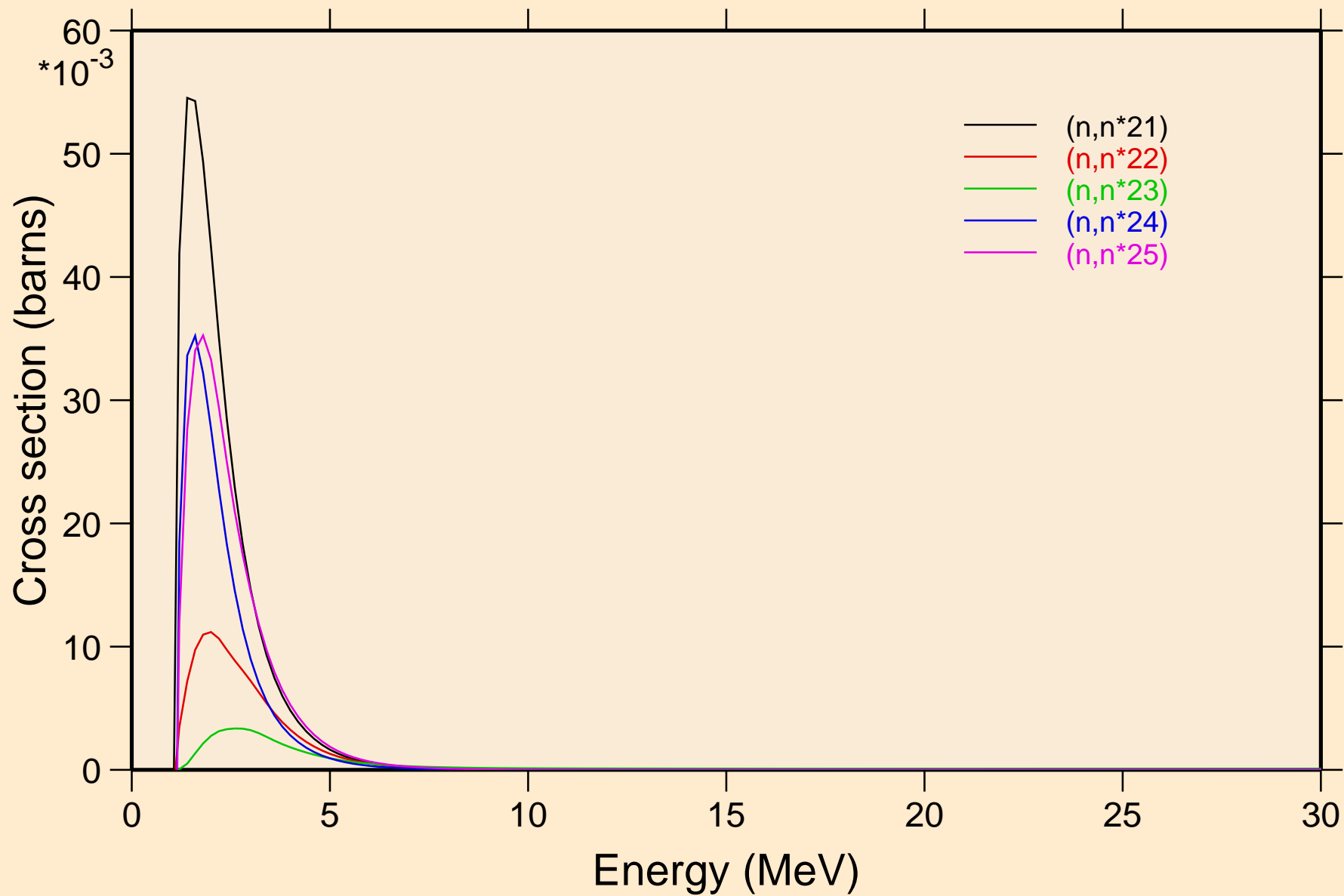
# SE077 NRG TENDL-2016, AKONING

## Inelastic levels



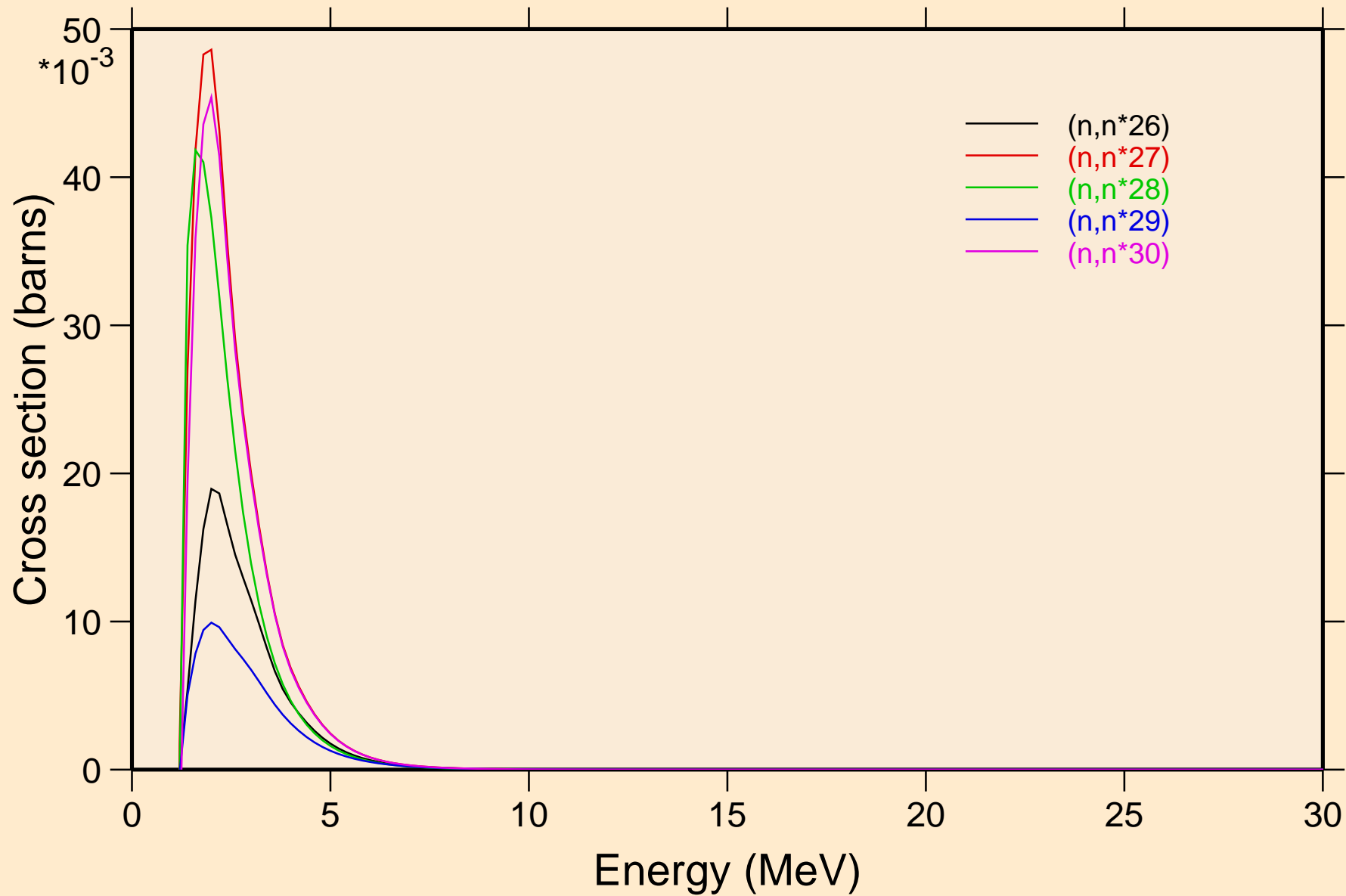
# SE077 NRG TENDL-2016, AKONING

## Inelastic levels



# SE077 NRG TENDL-2016, AKONING

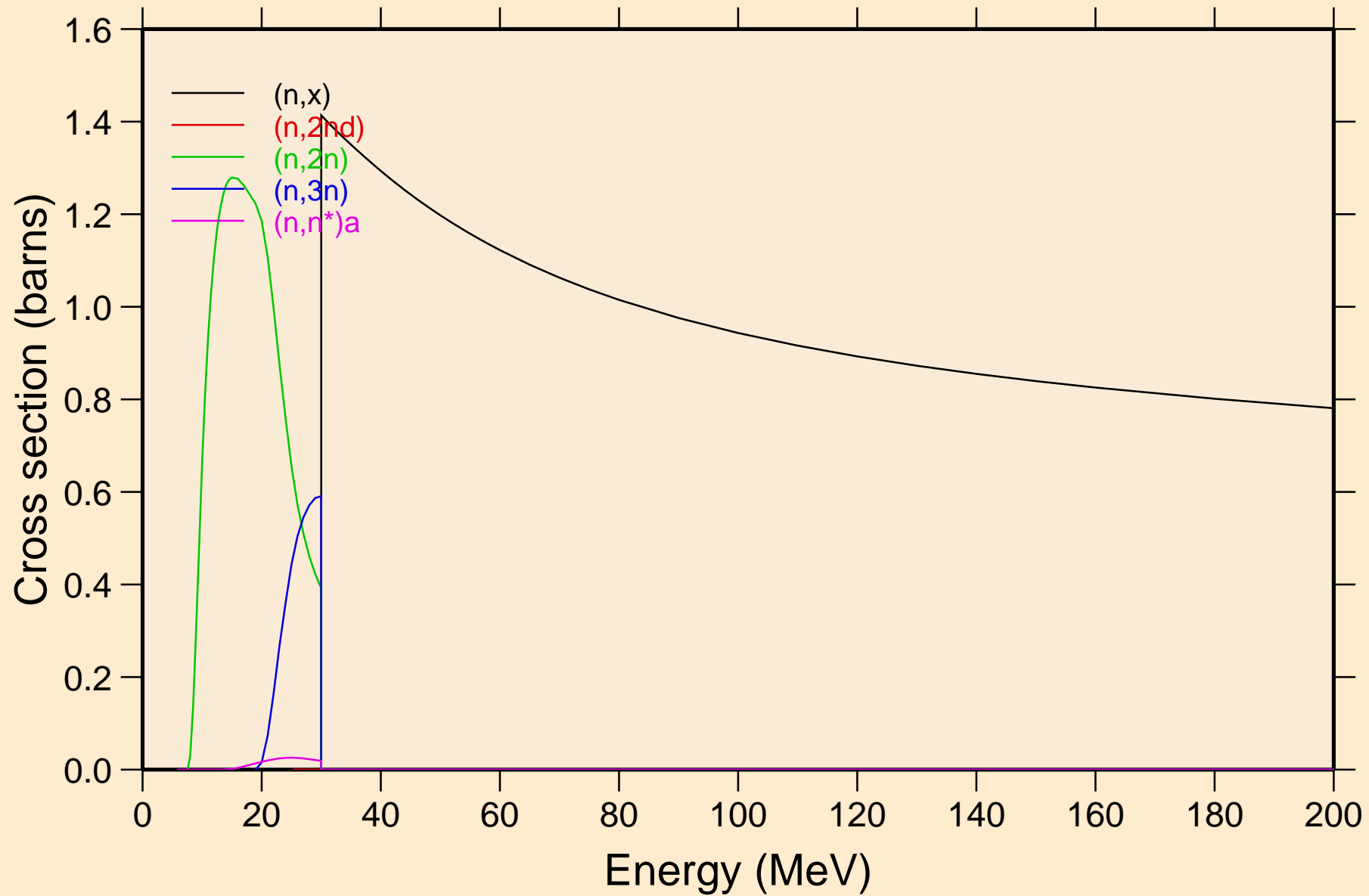
## Inelastic levels





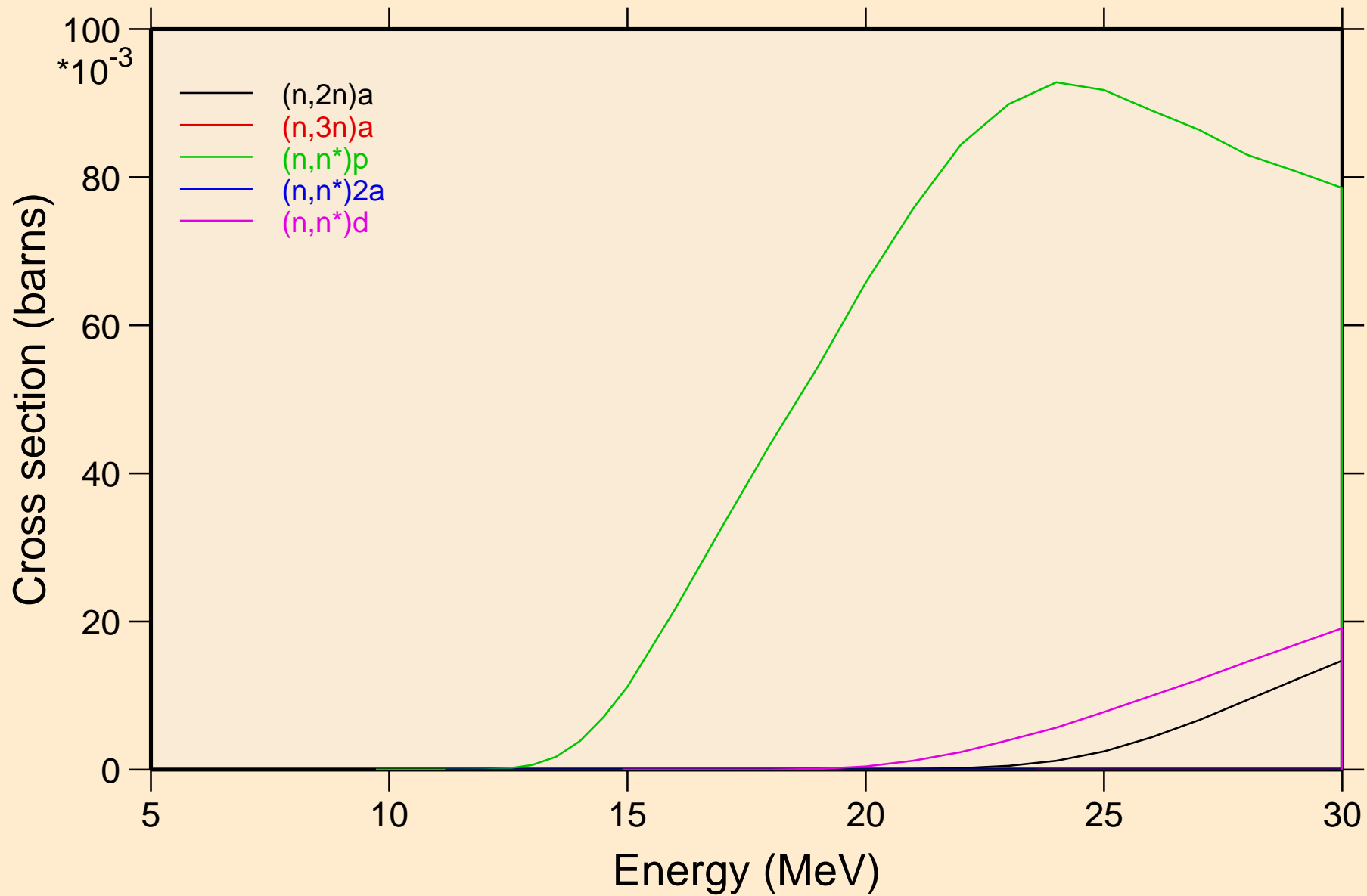
# SE077 NRG TENDL-2016, AKONING

## Threshold reactions



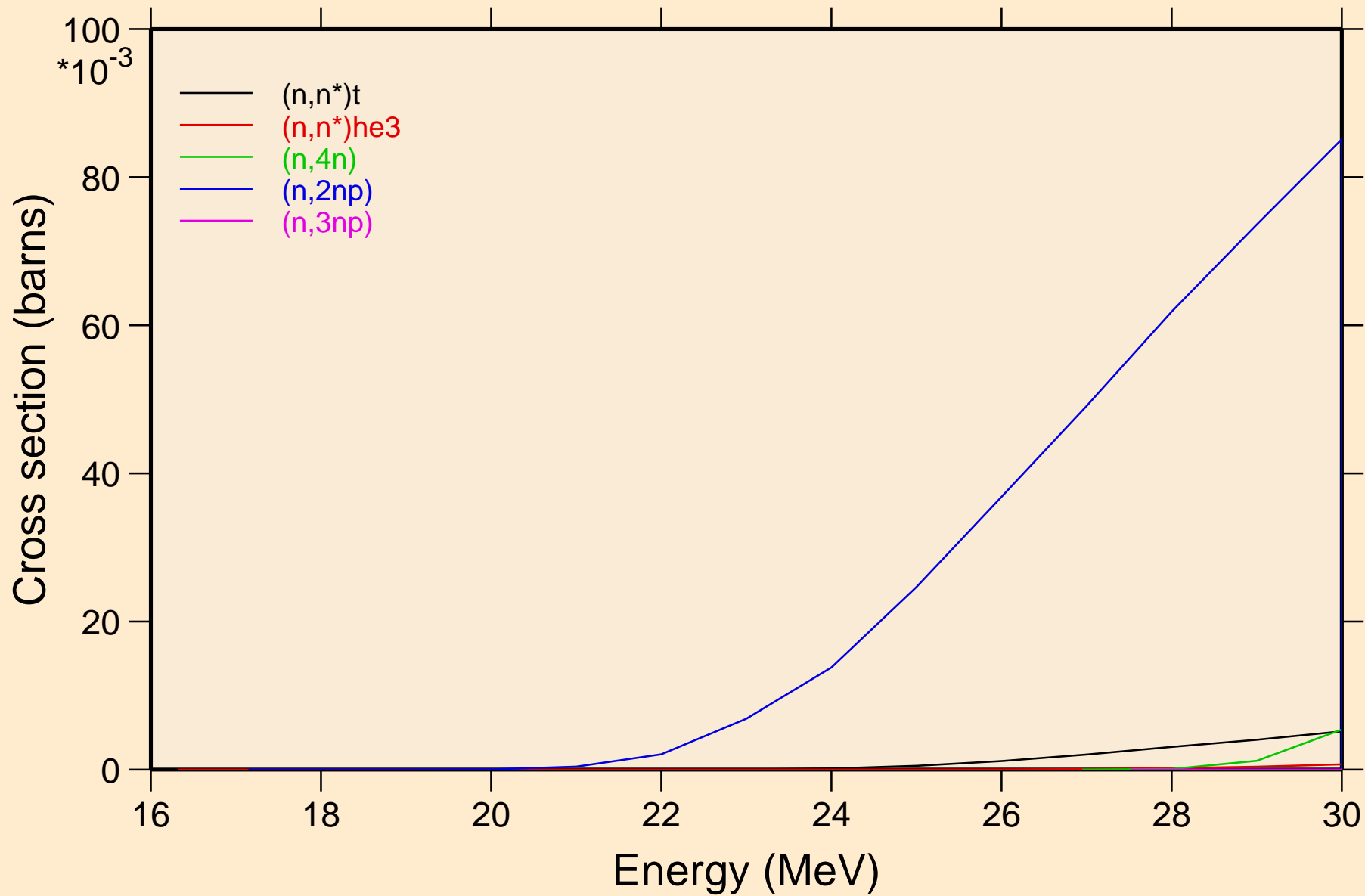
# SE077 NRG TENDL-2016, AKONING

## Threshold reactions



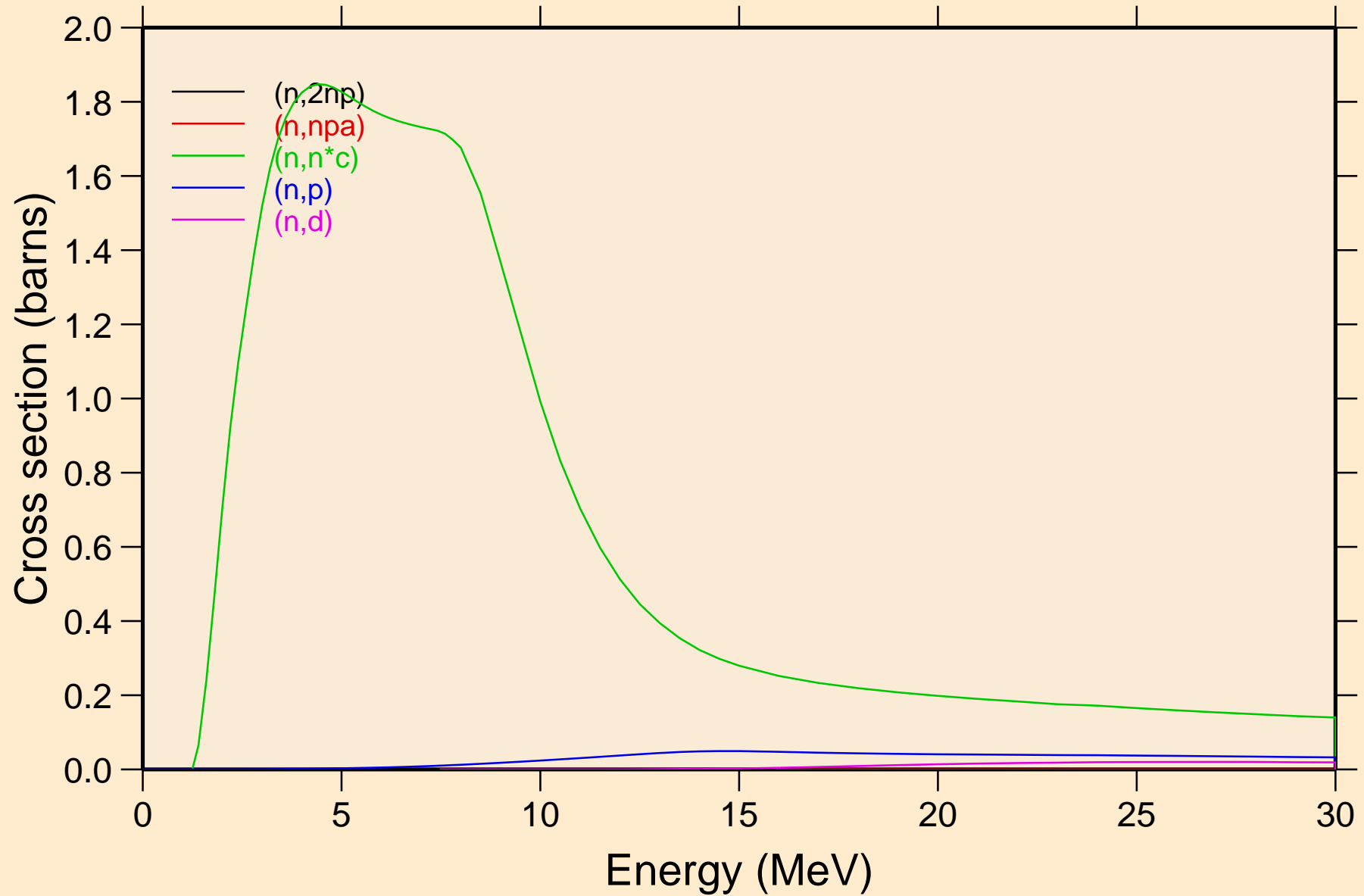
# SE077 NRG TENDL-2016, AKONING

## Threshold reactions



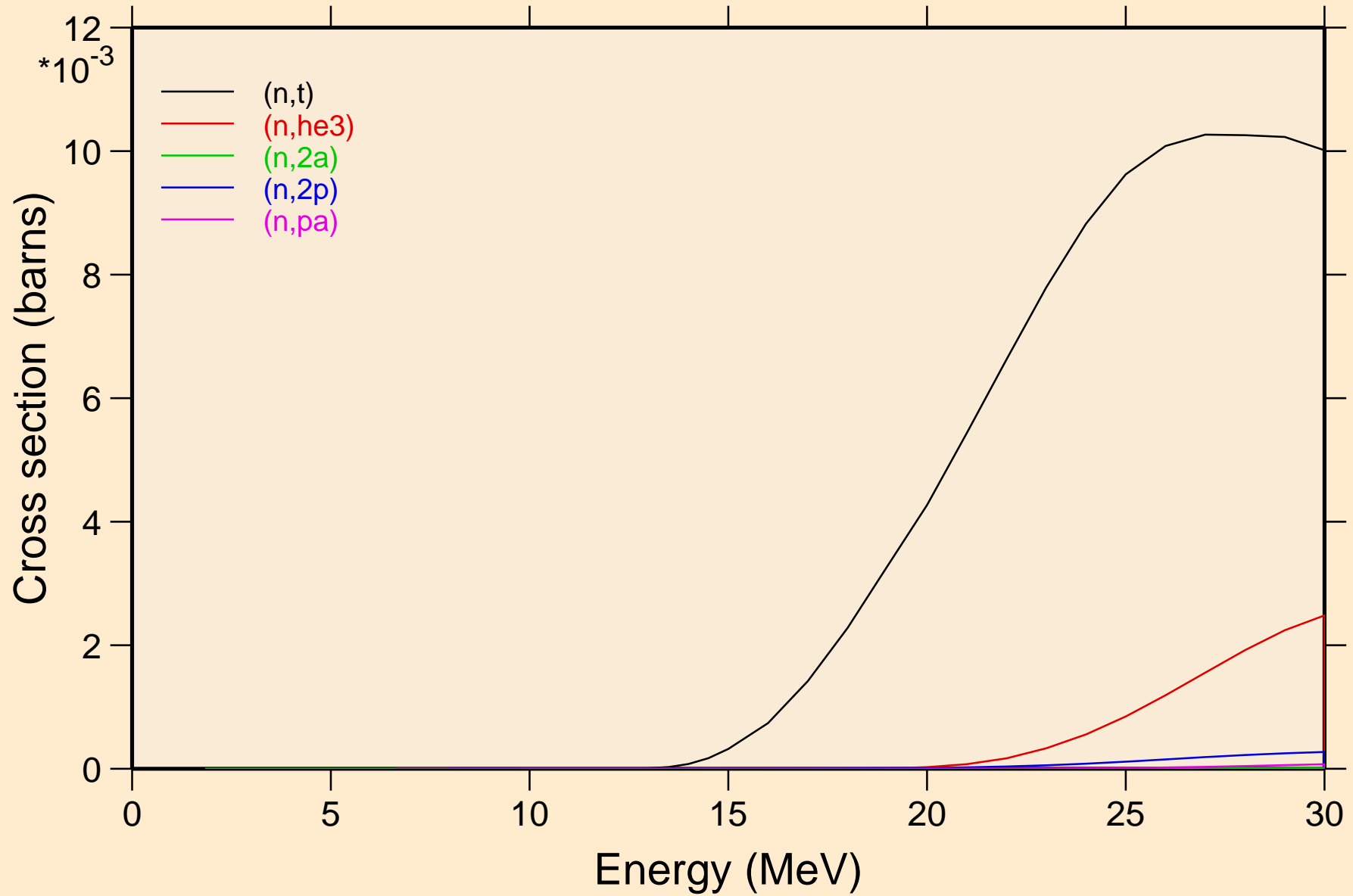
# SE077 NRG TENDL-2016, AKONING

## Threshold reactions



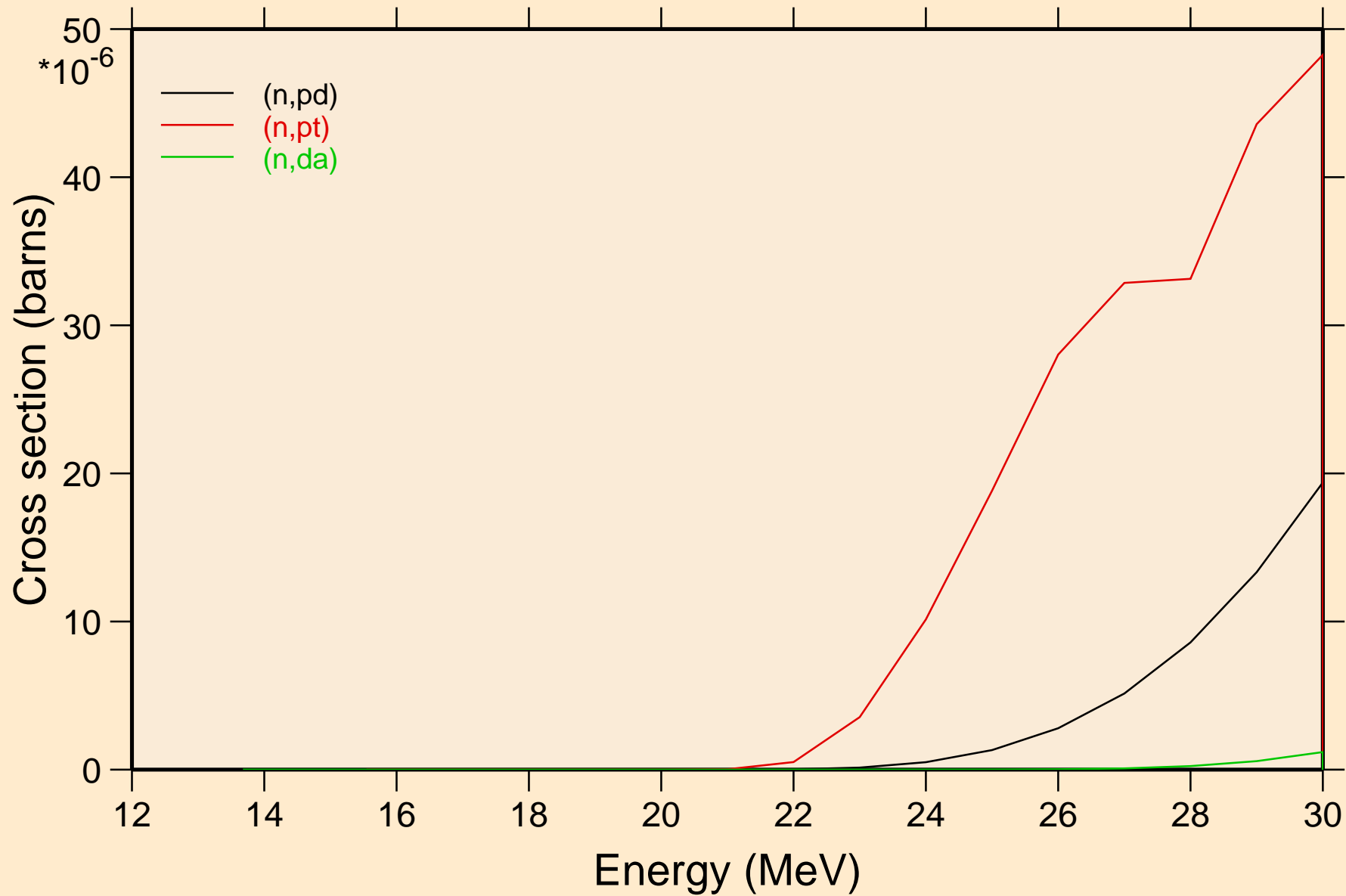
# SE077 NRG TENDL-2016, AKONING

## Threshold reactions

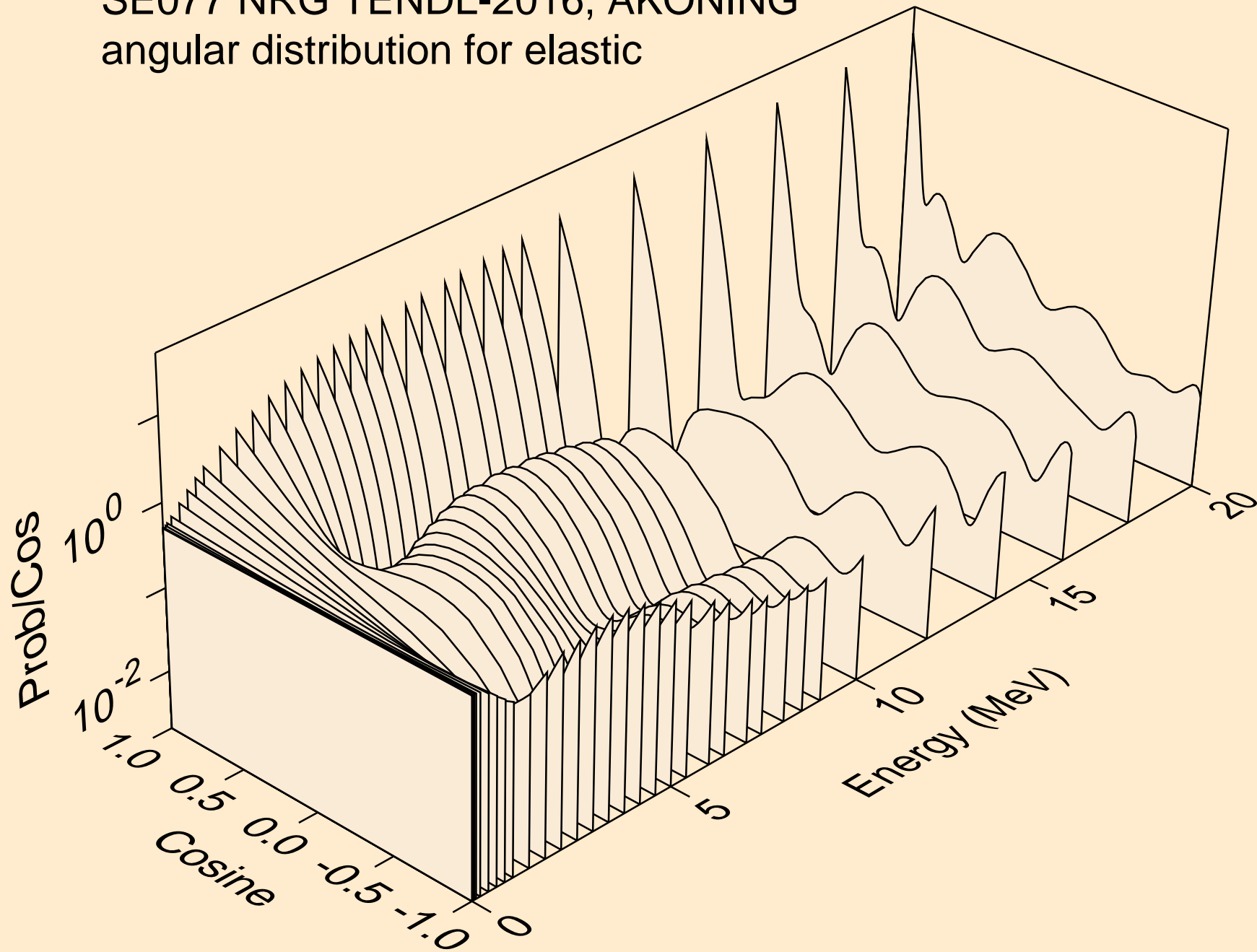


# SE077 NRG TENDL-2016, AKONING

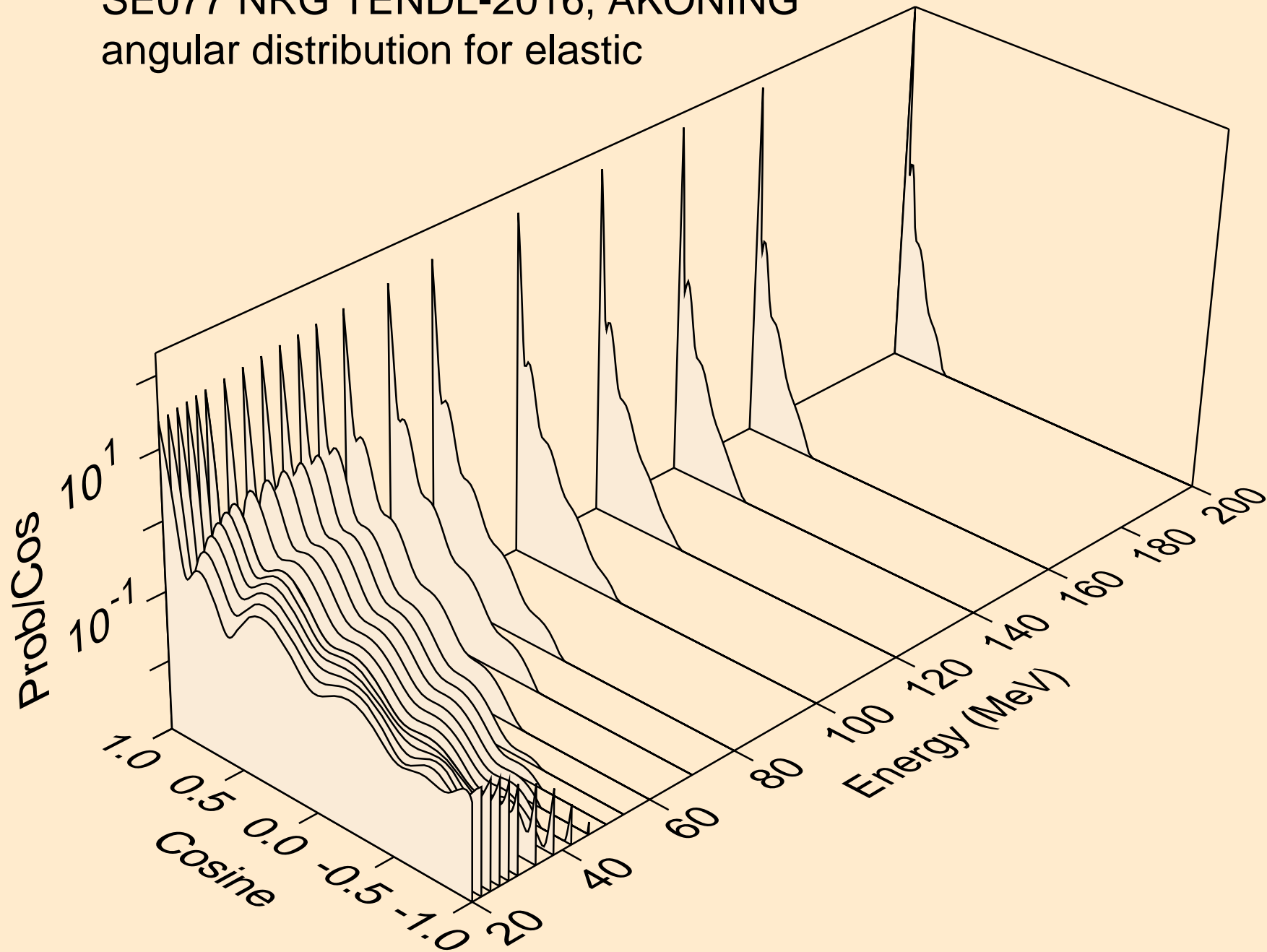
## Threshold reactions



SE077 NRG TENDL-2016, AKONING  
angular distribution for elastic

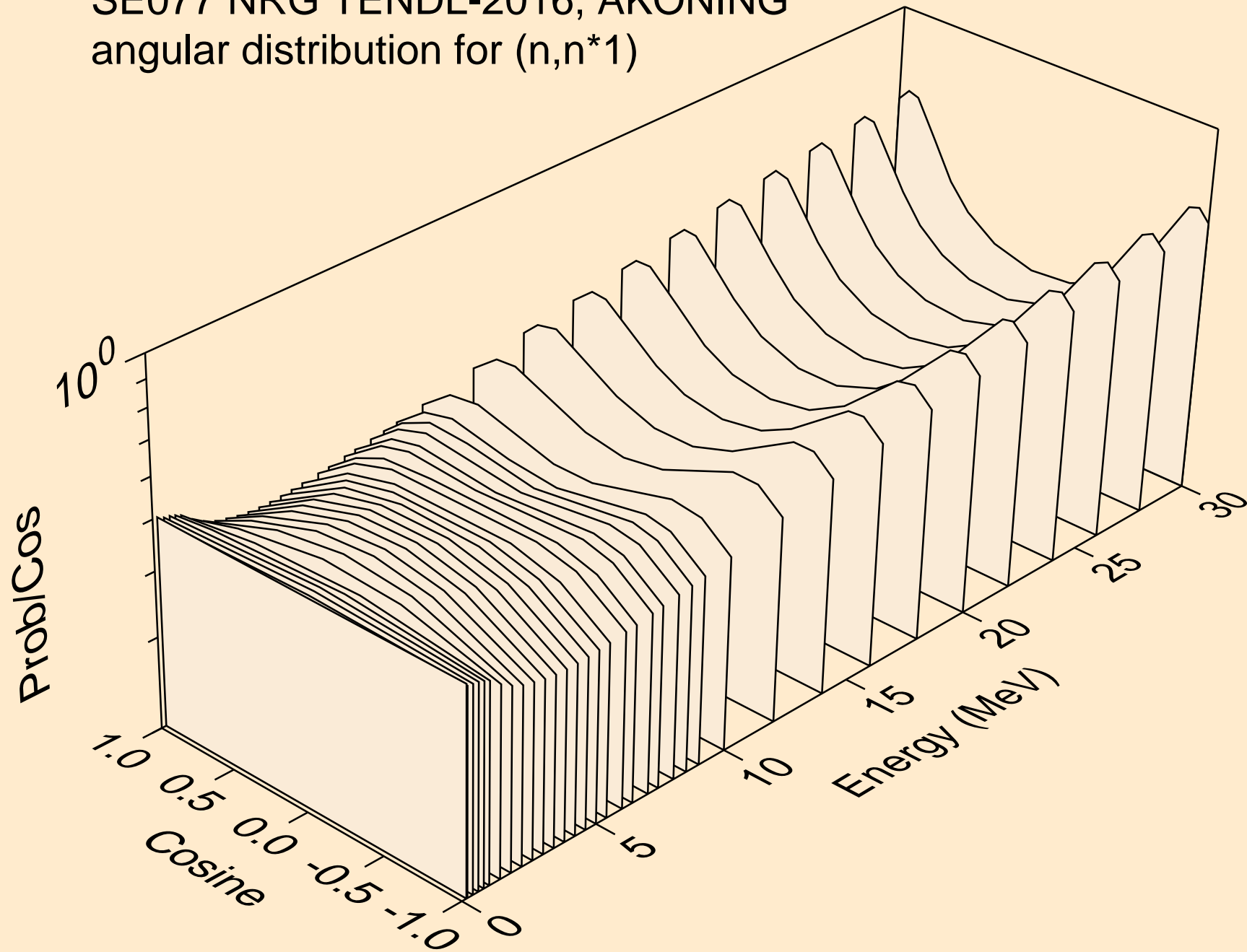


SE077 NRG TENDL-2016, AKONING  
angular distribution for elastic

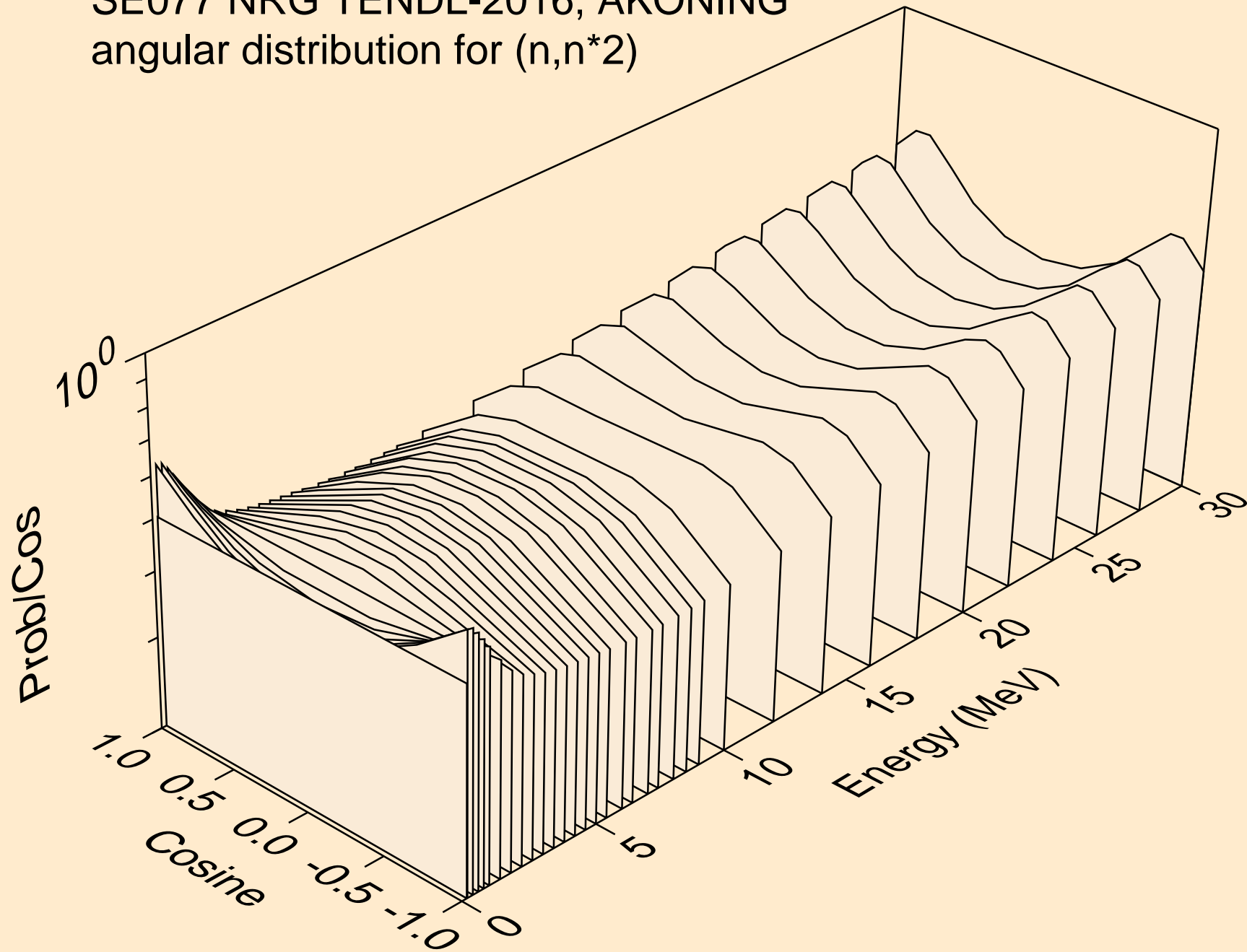




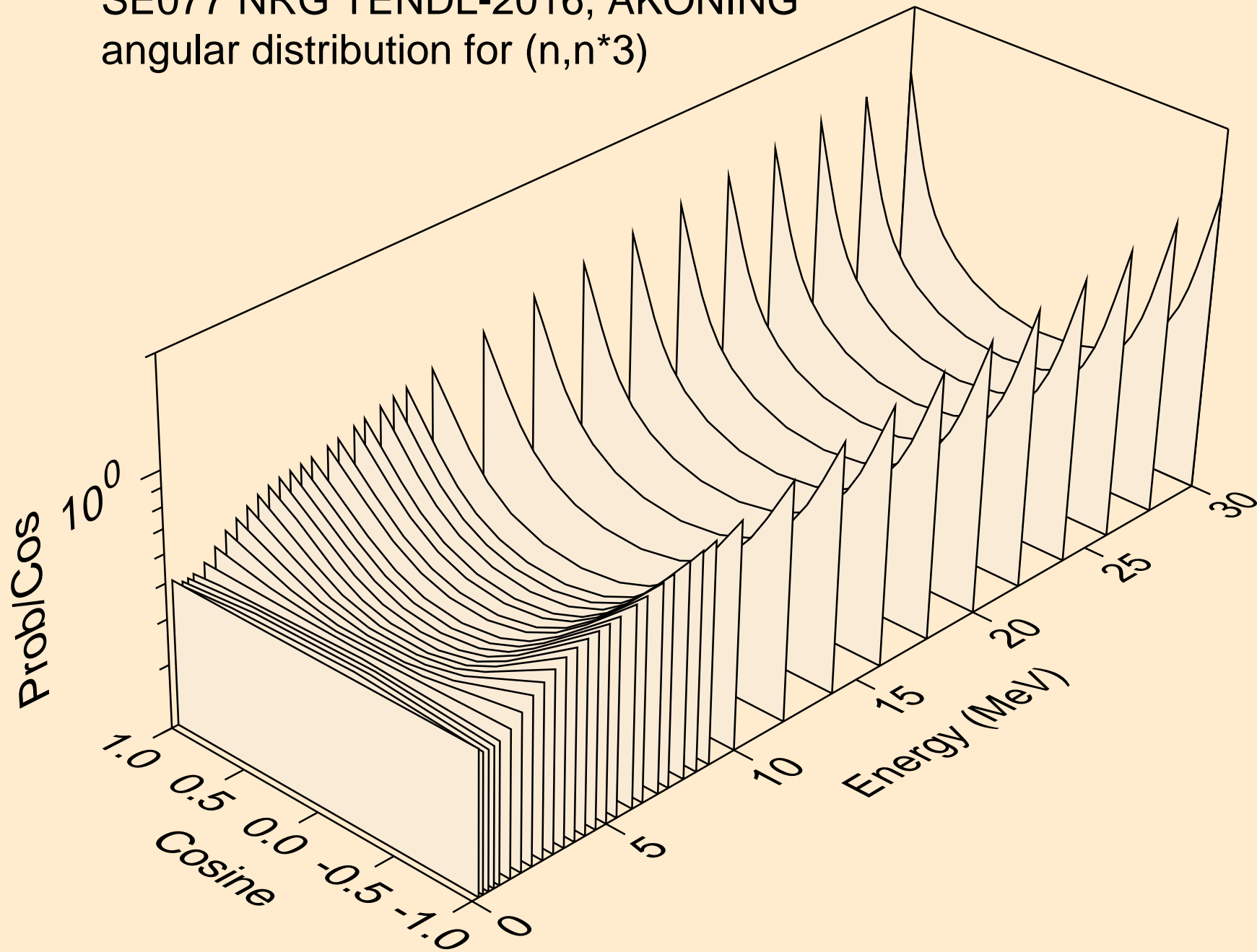
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*1)



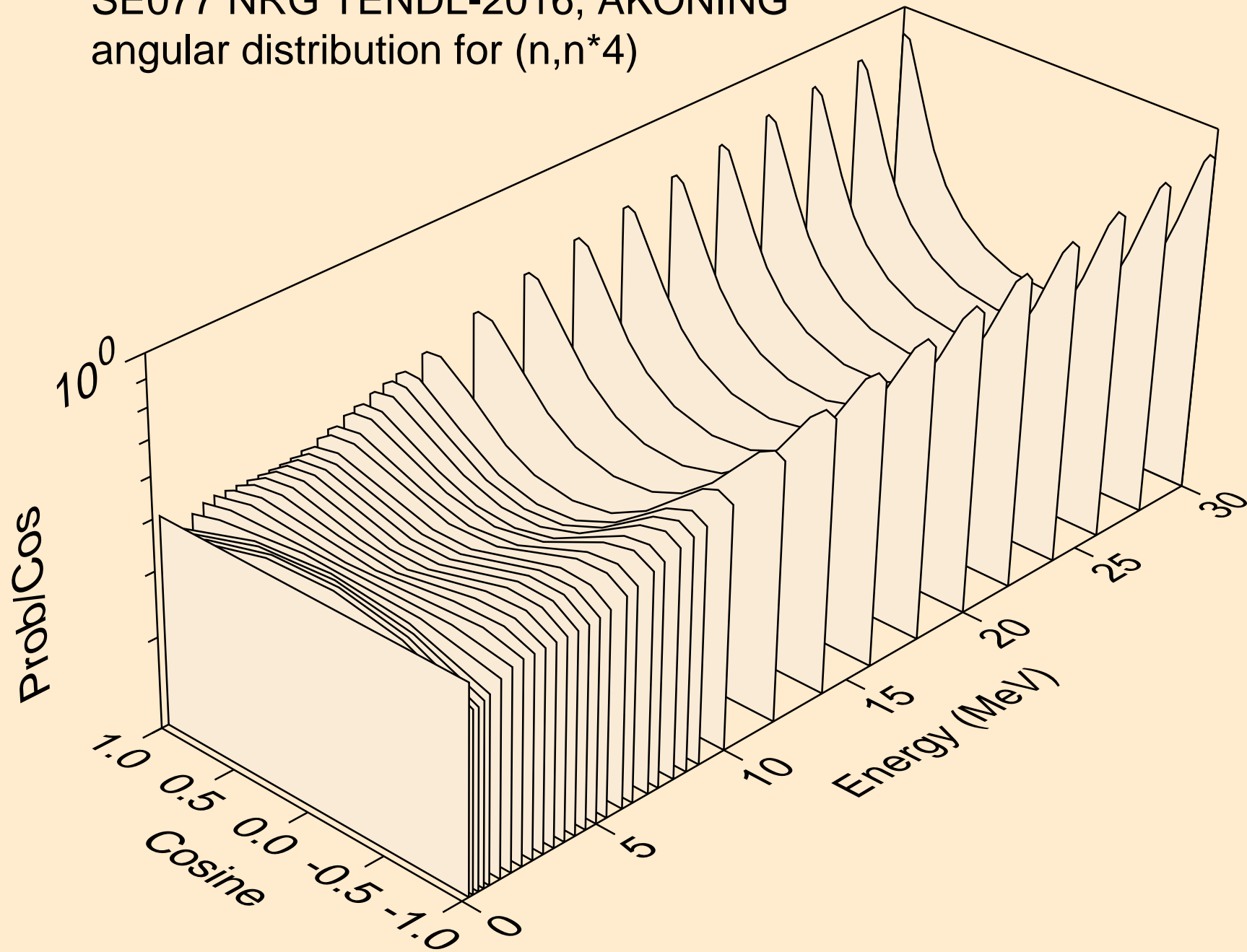
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*2)



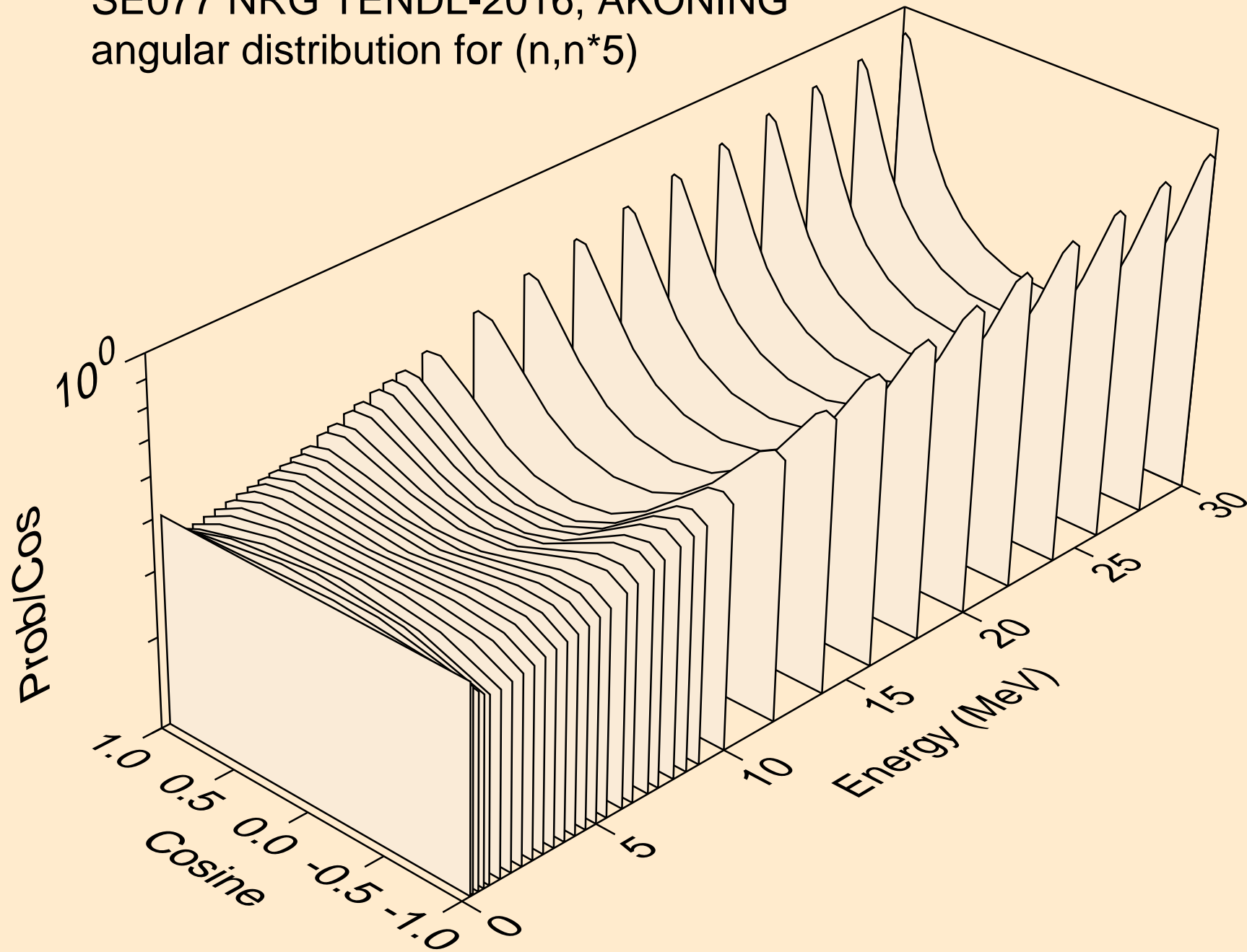
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*3)



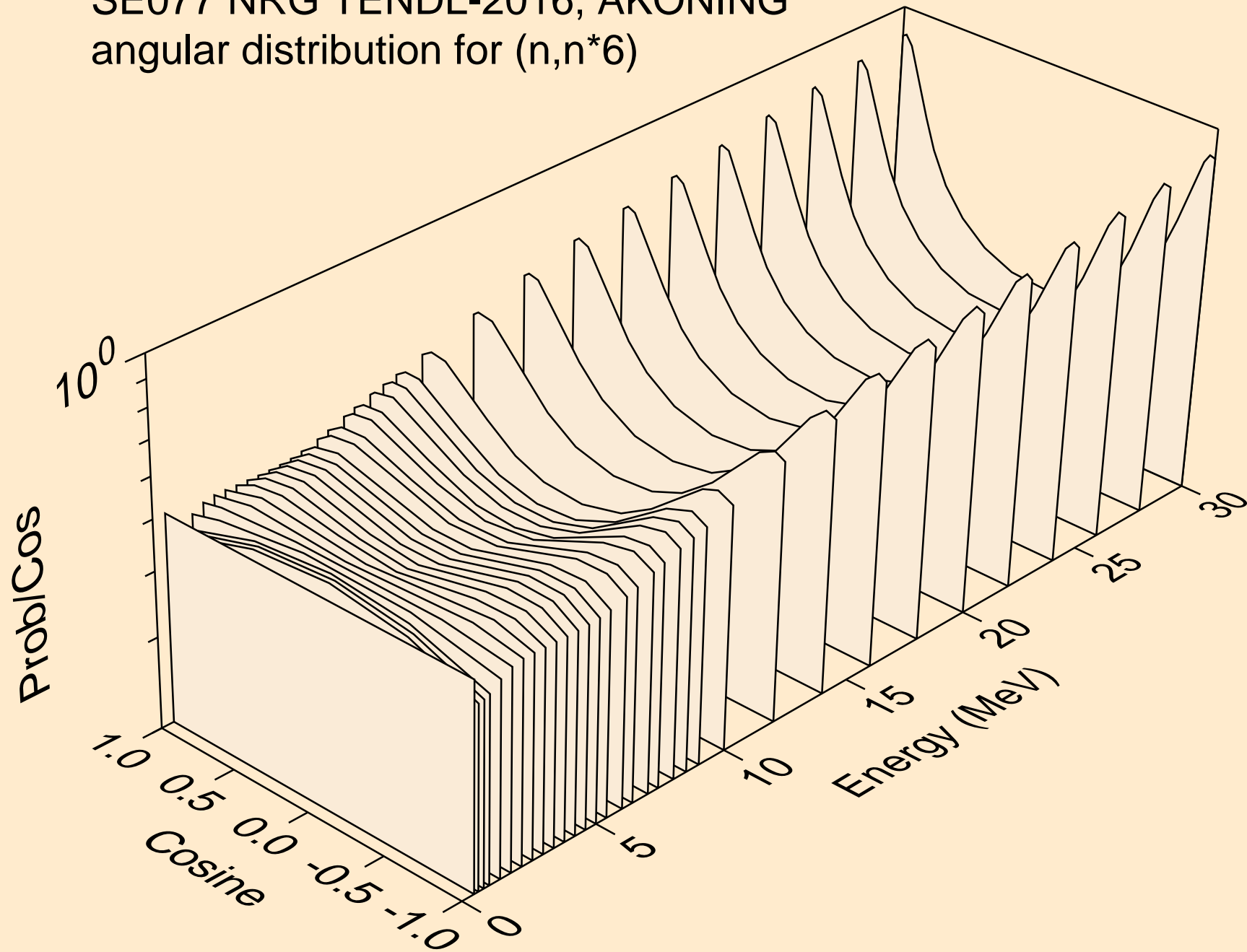
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*4)



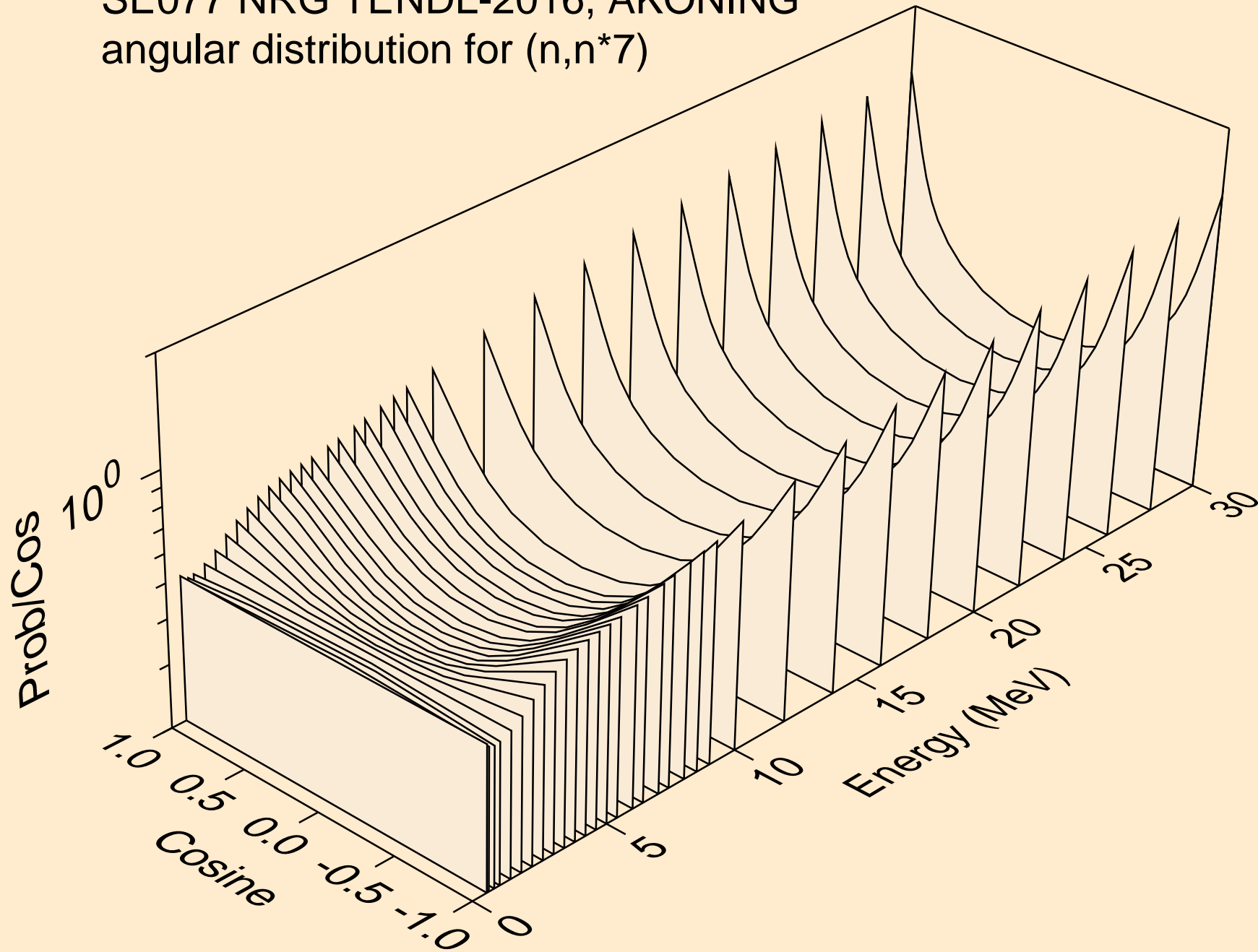
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*5)



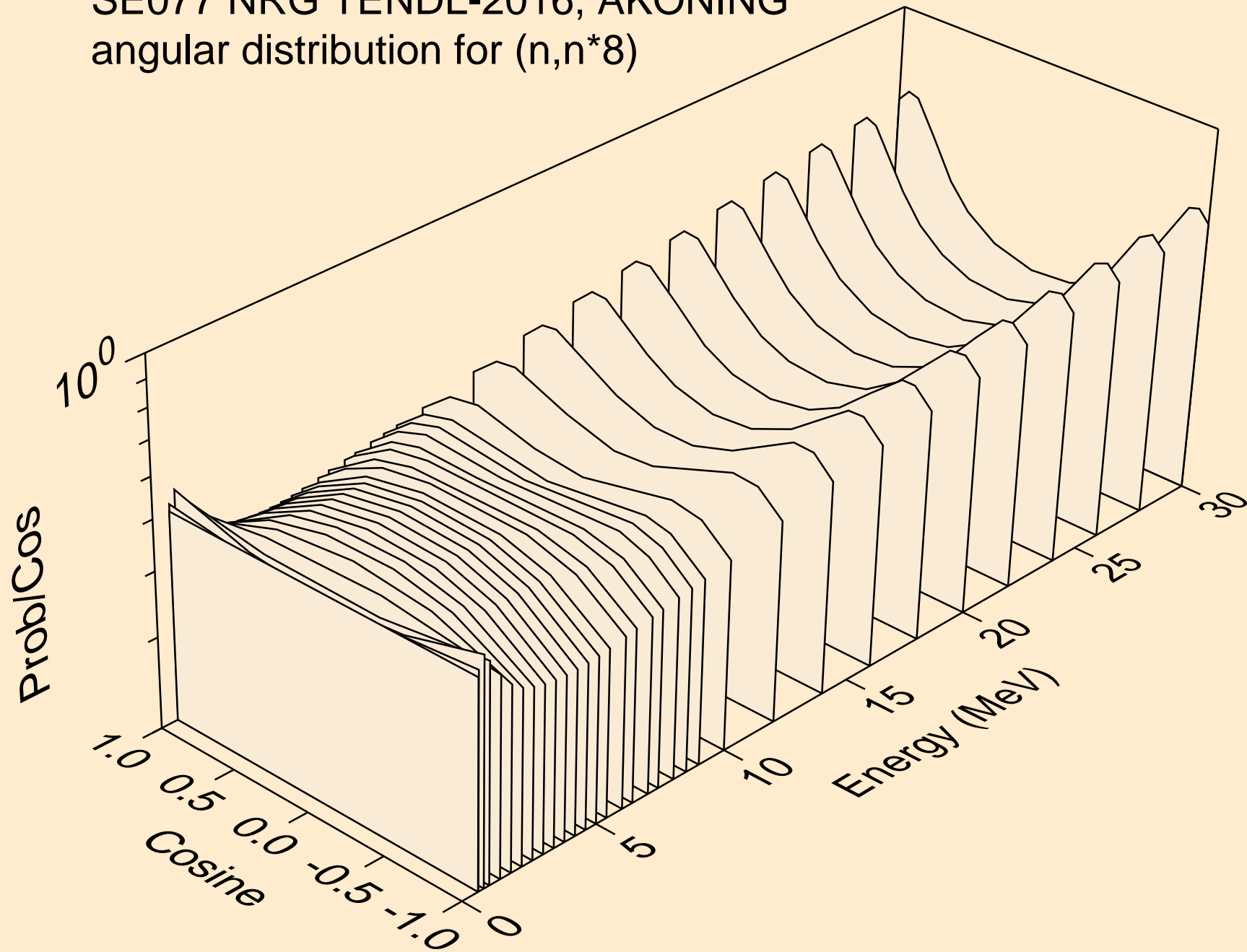
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*6)



SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*7)

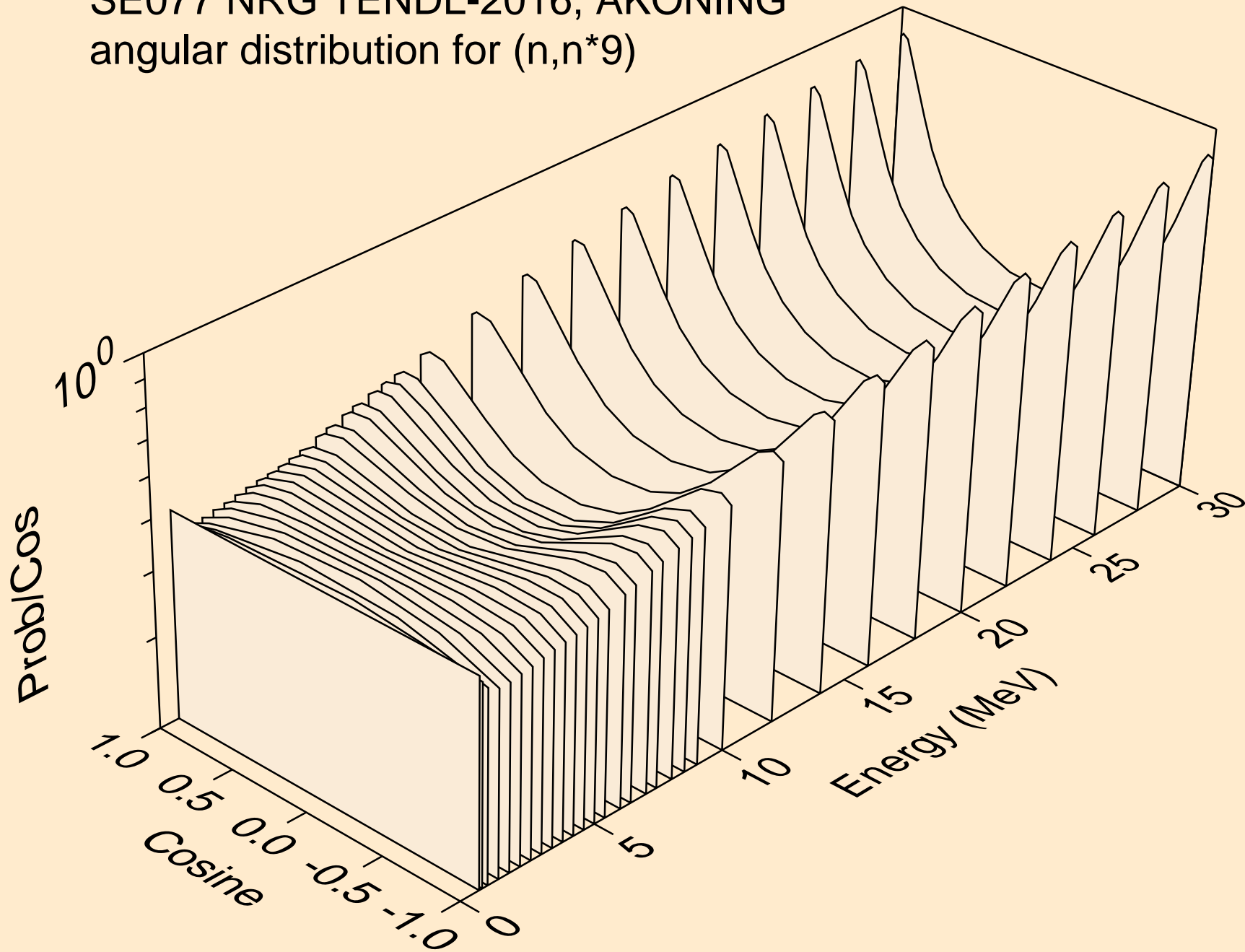


SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*8)

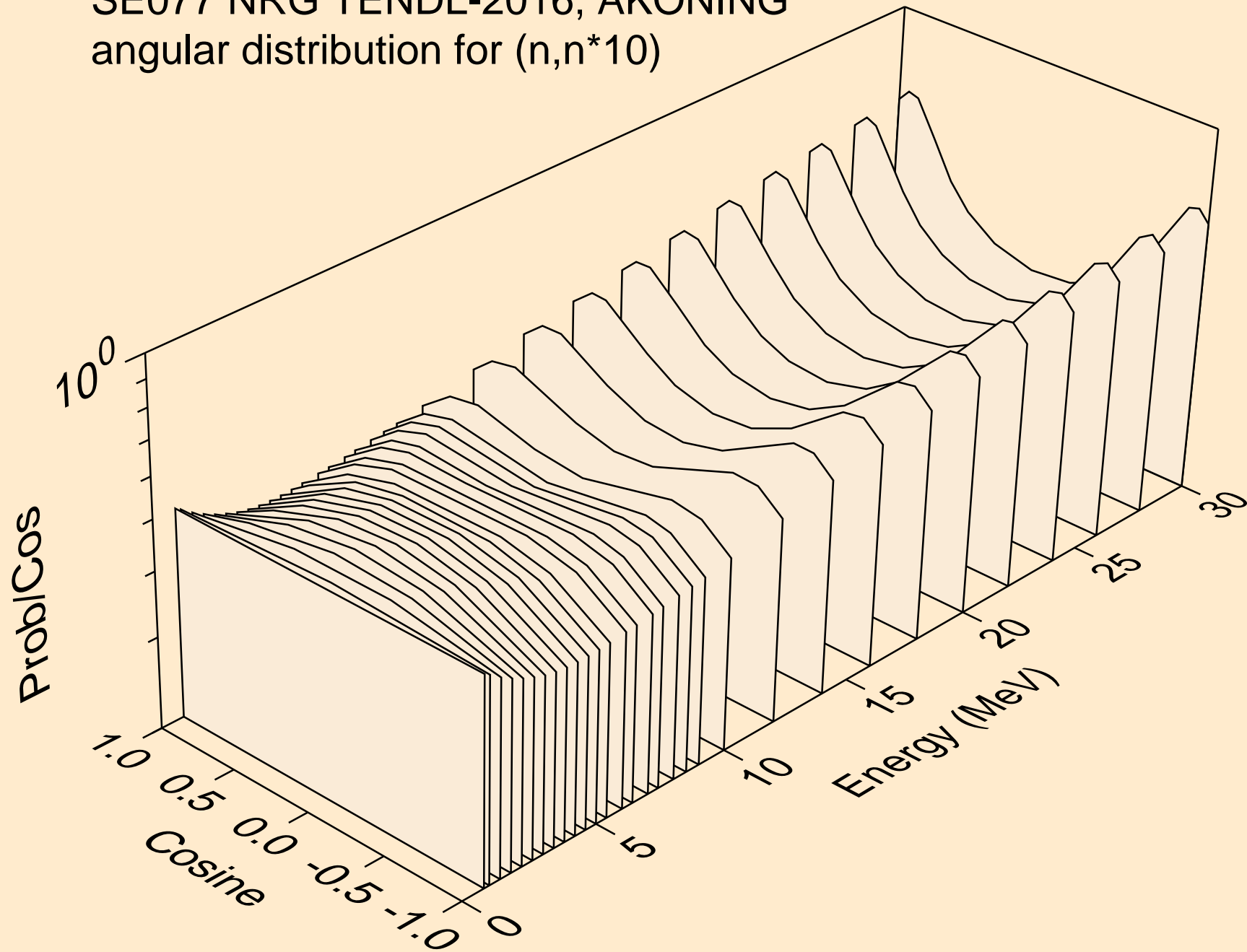




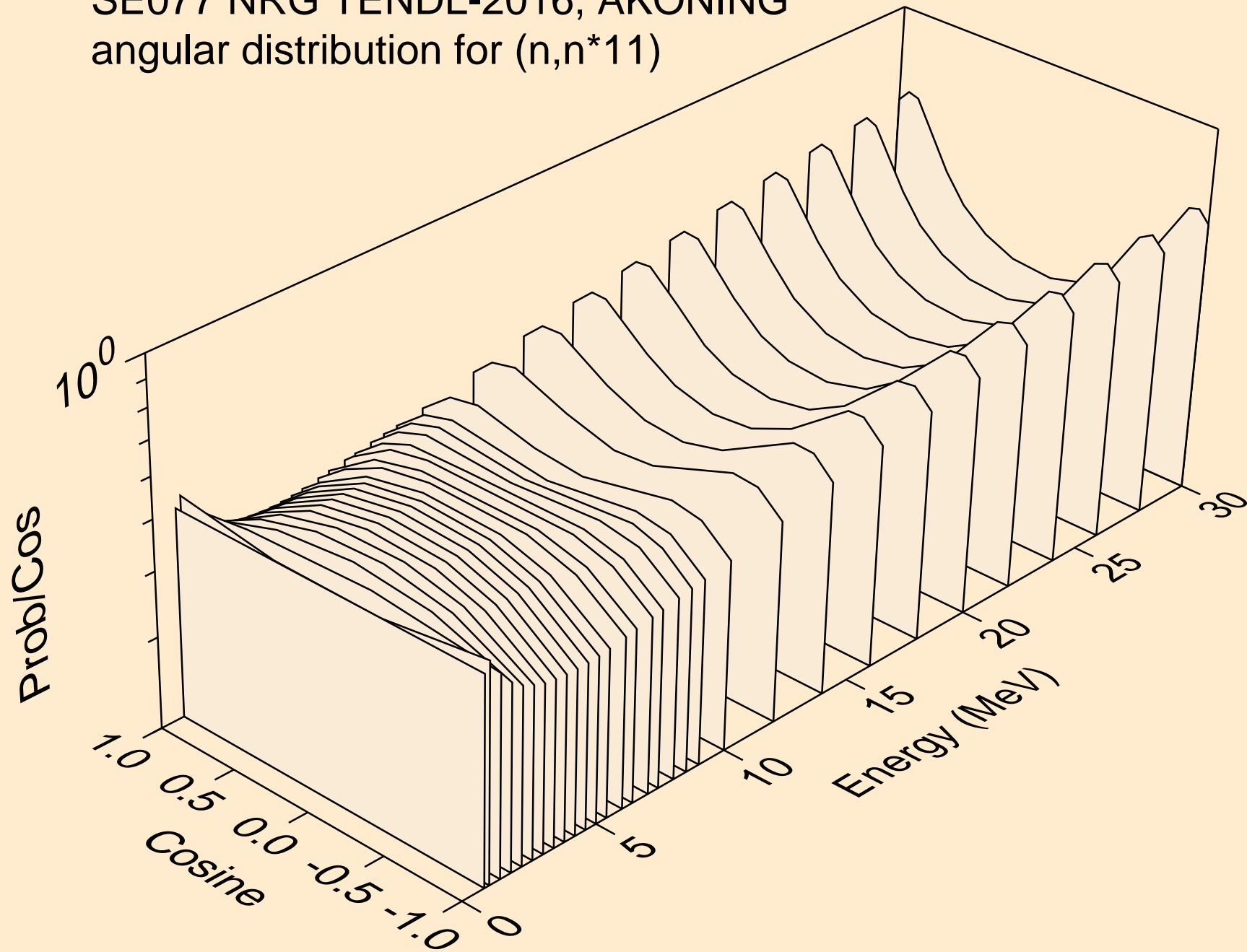
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*9)



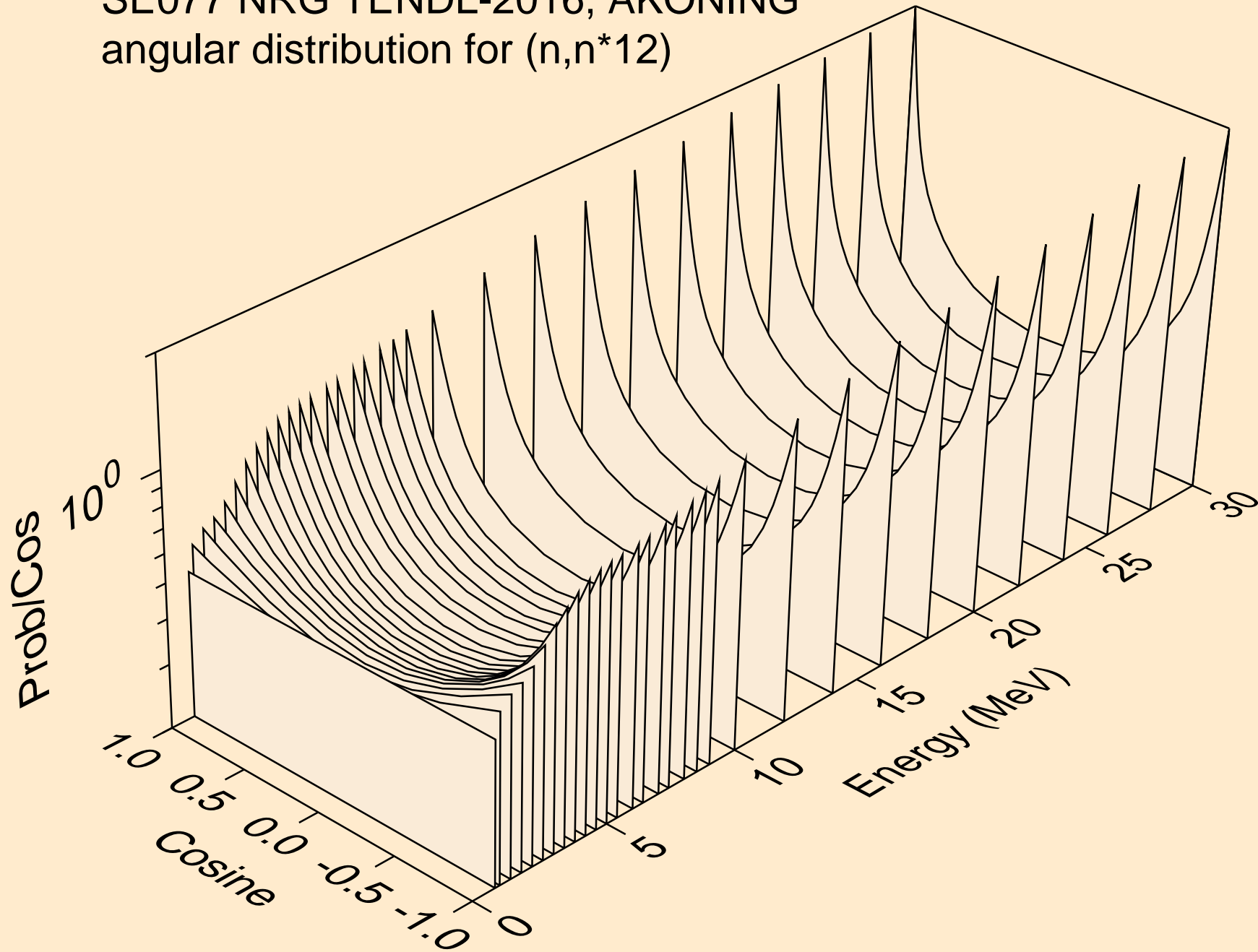
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*10)



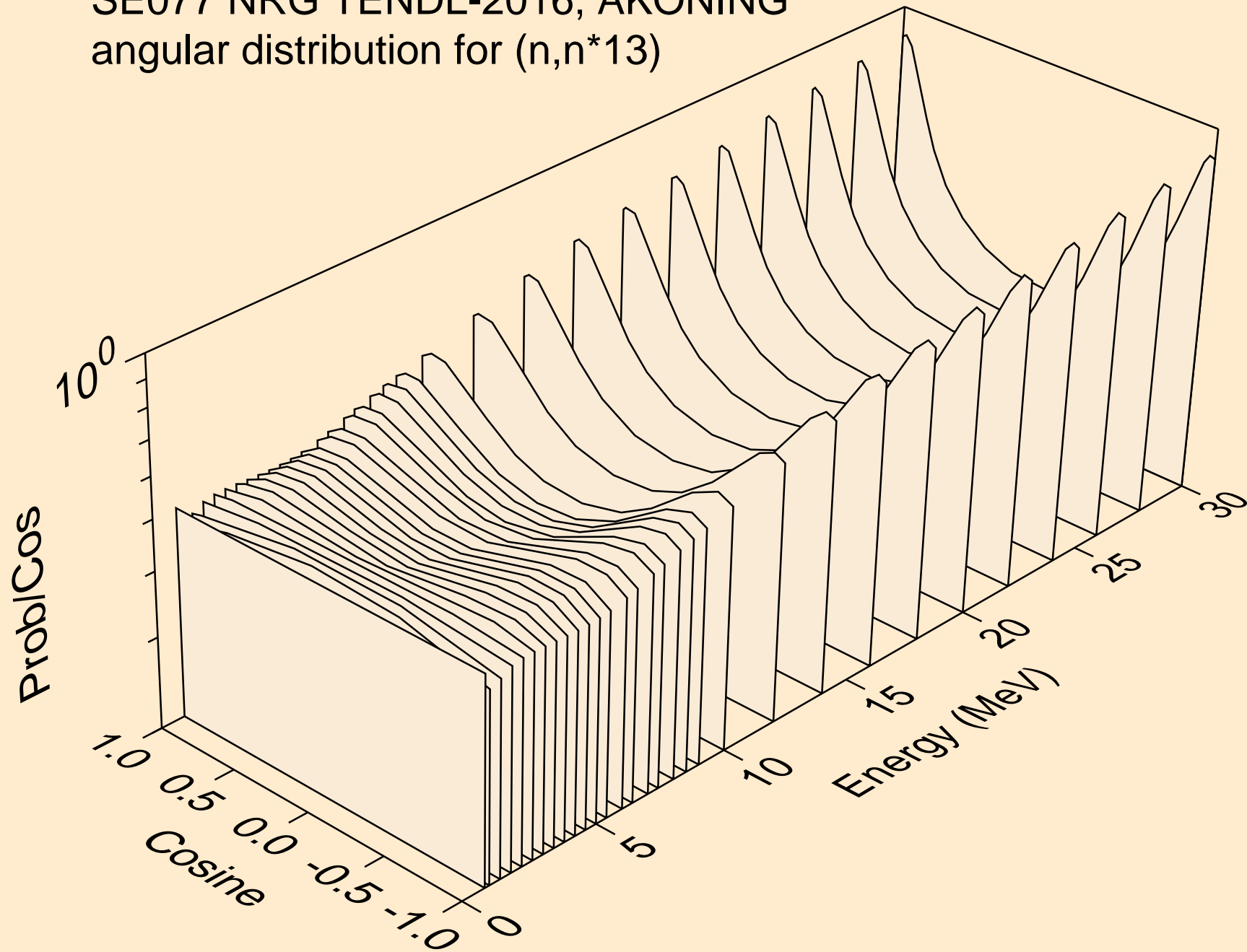
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*11)



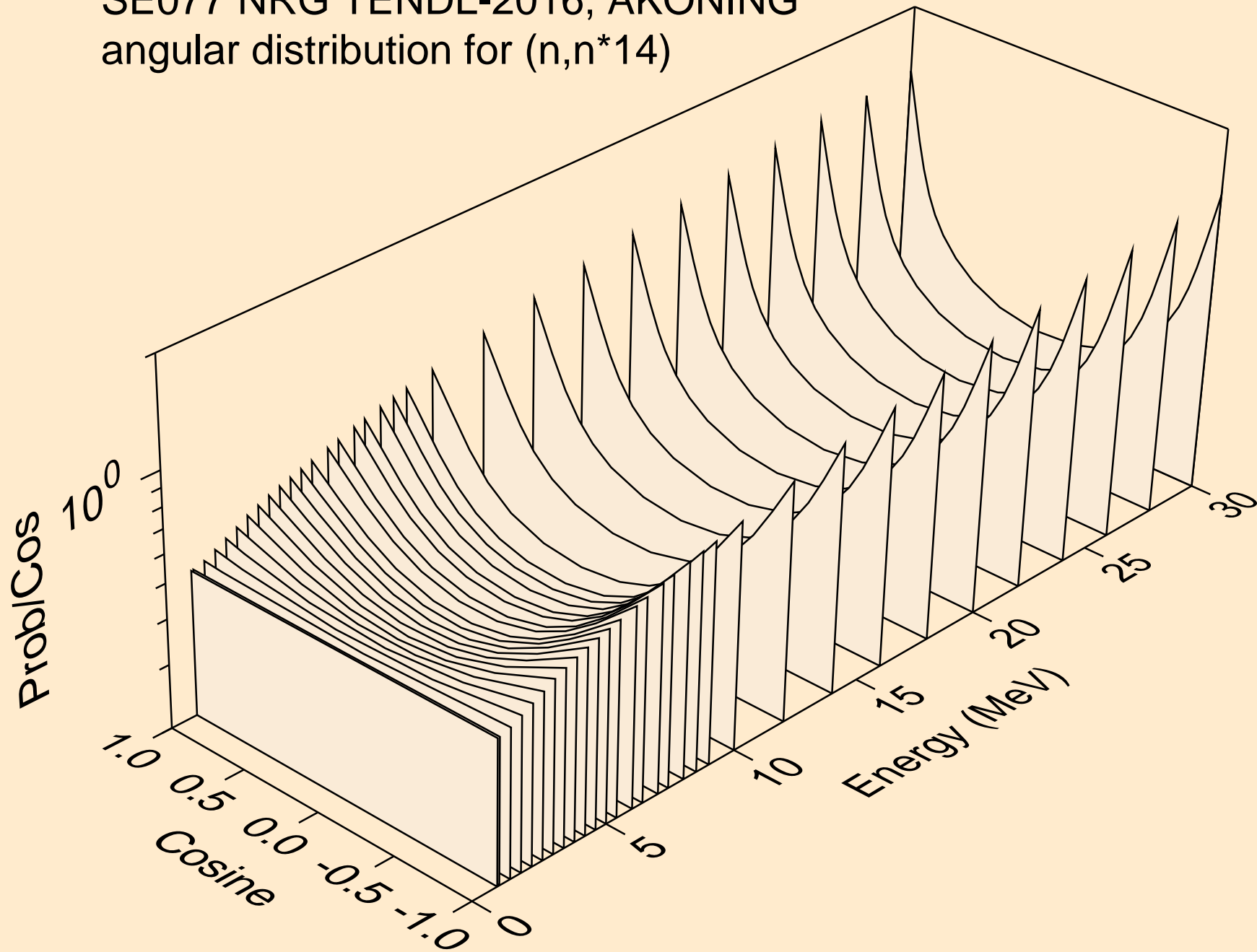
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angular distribution for (n,n\*12)



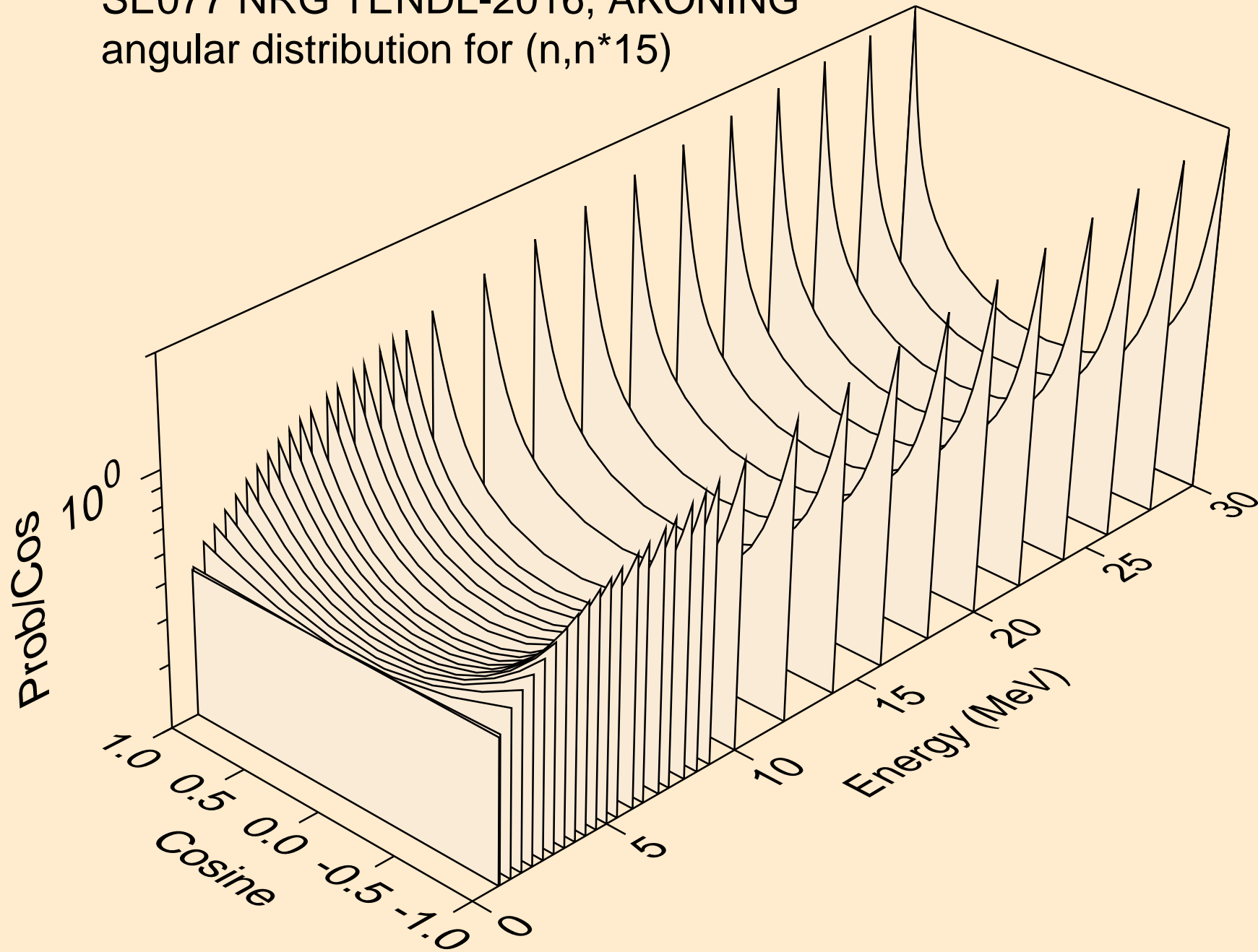
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*13)



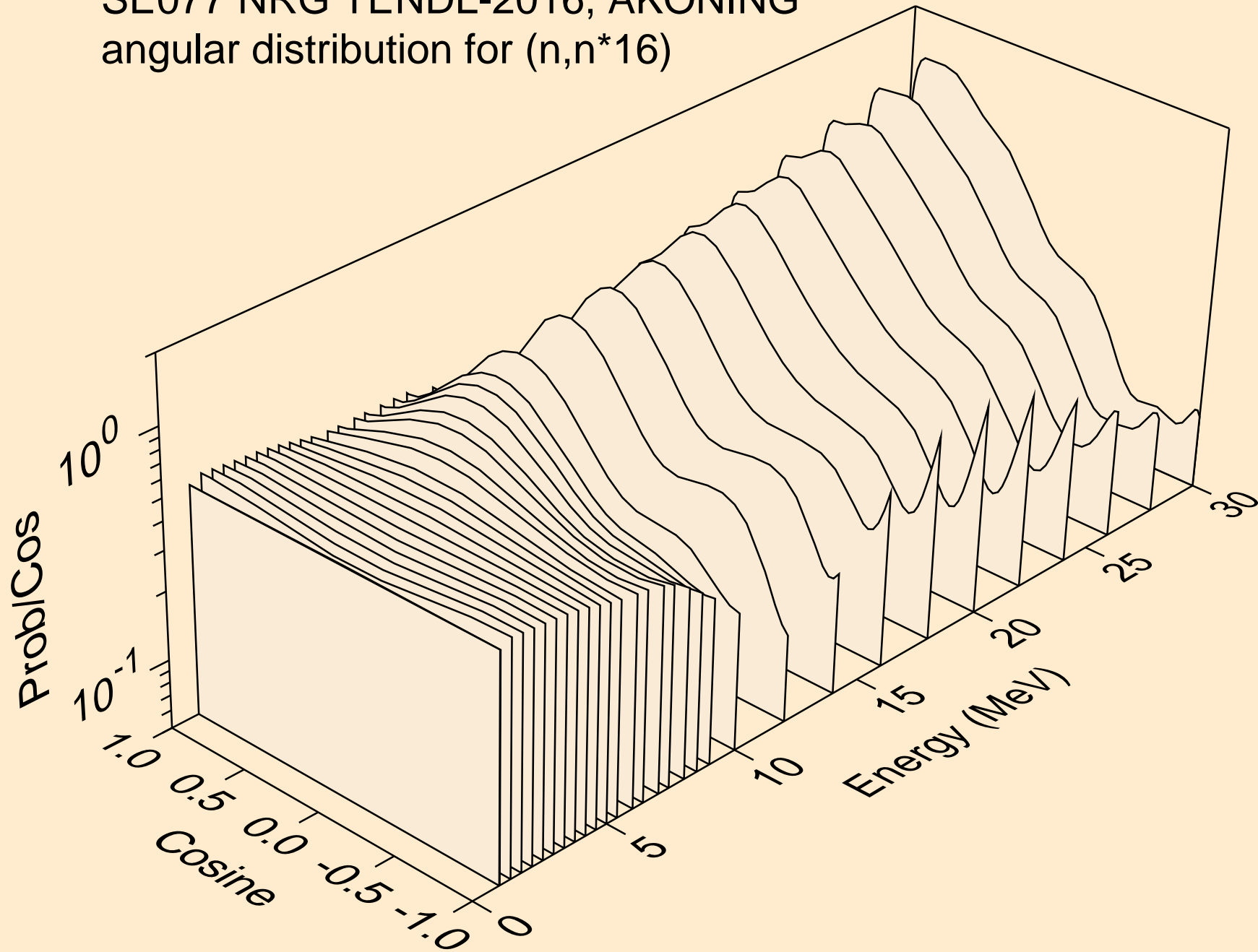
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*14)



SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*15)

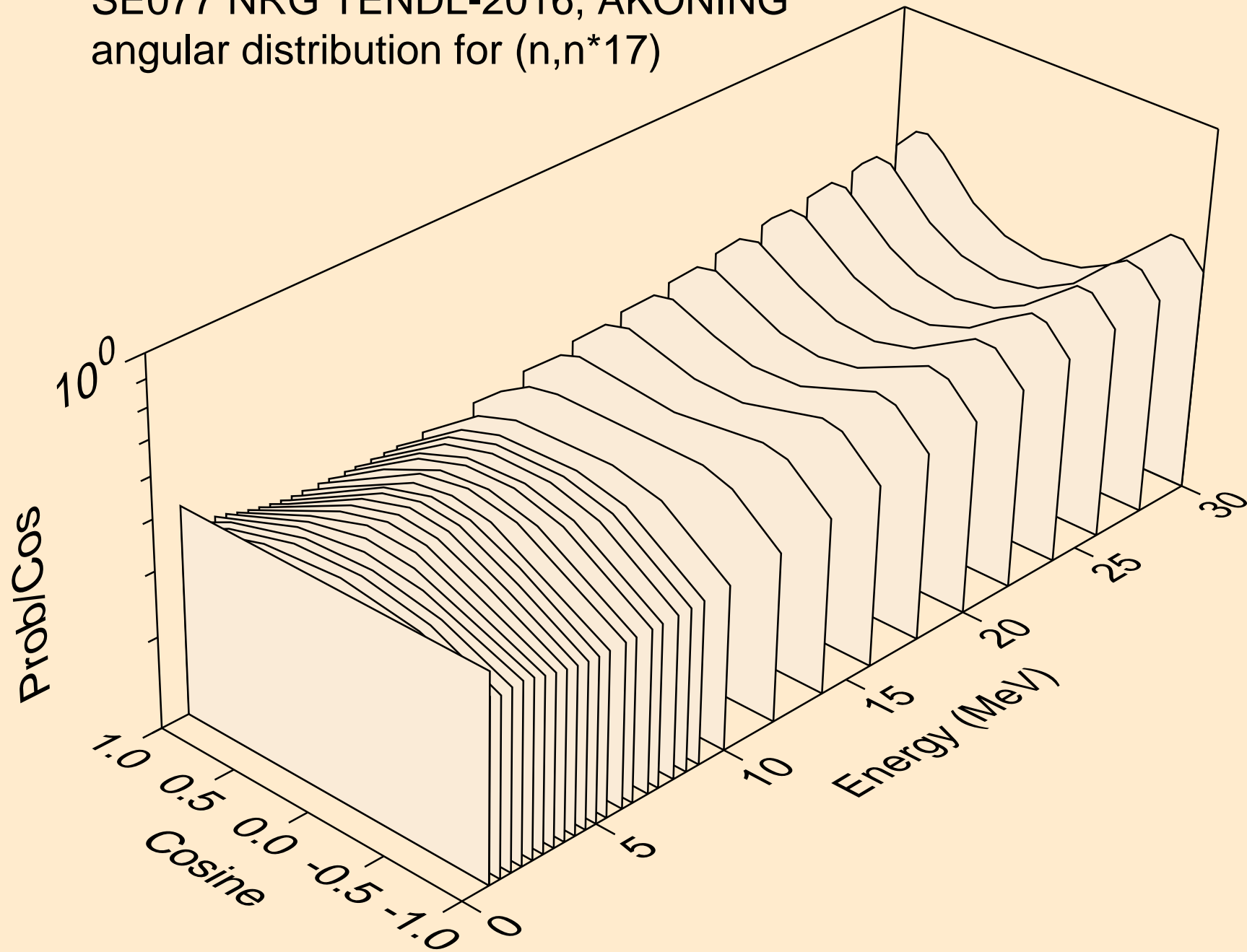


SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*16)

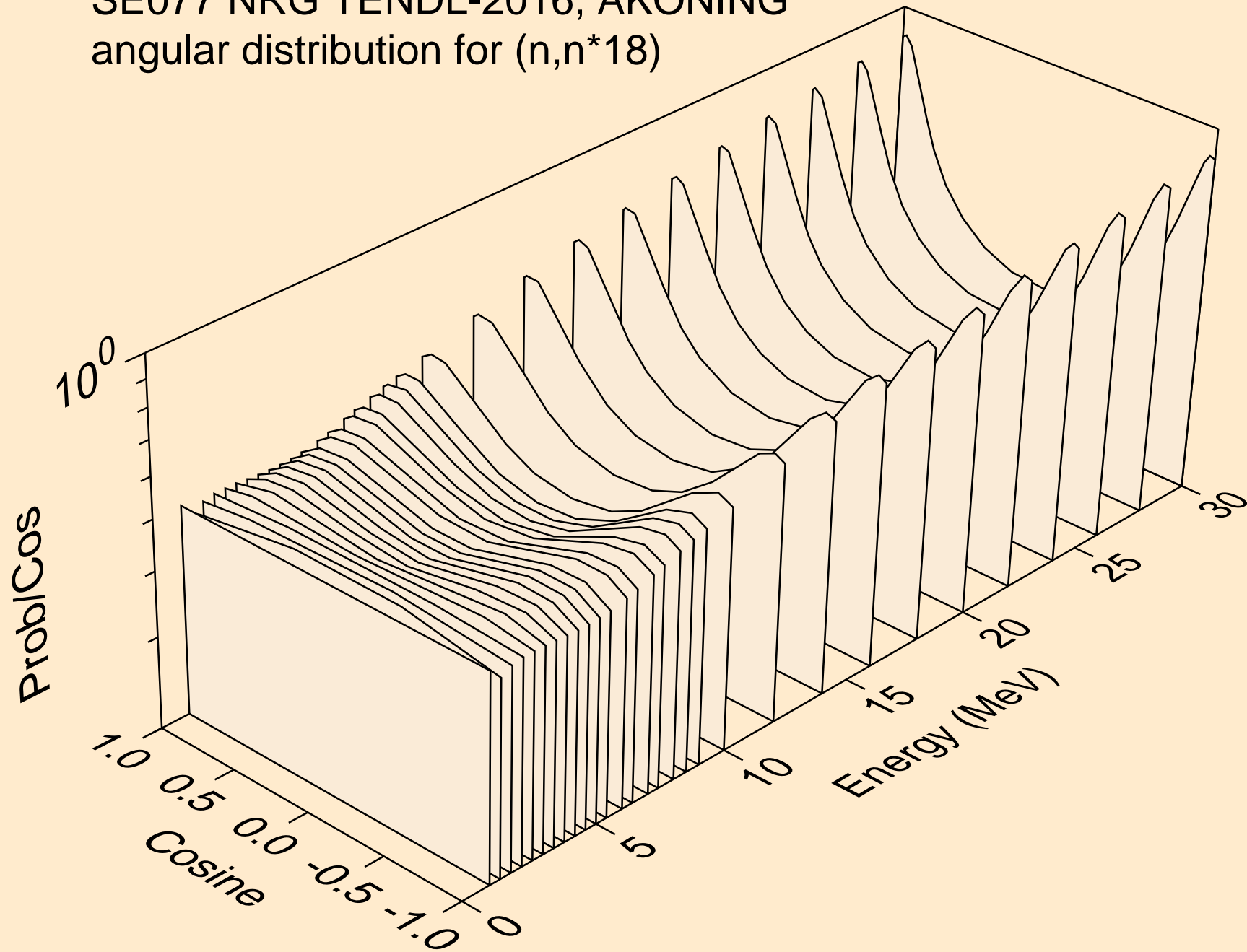




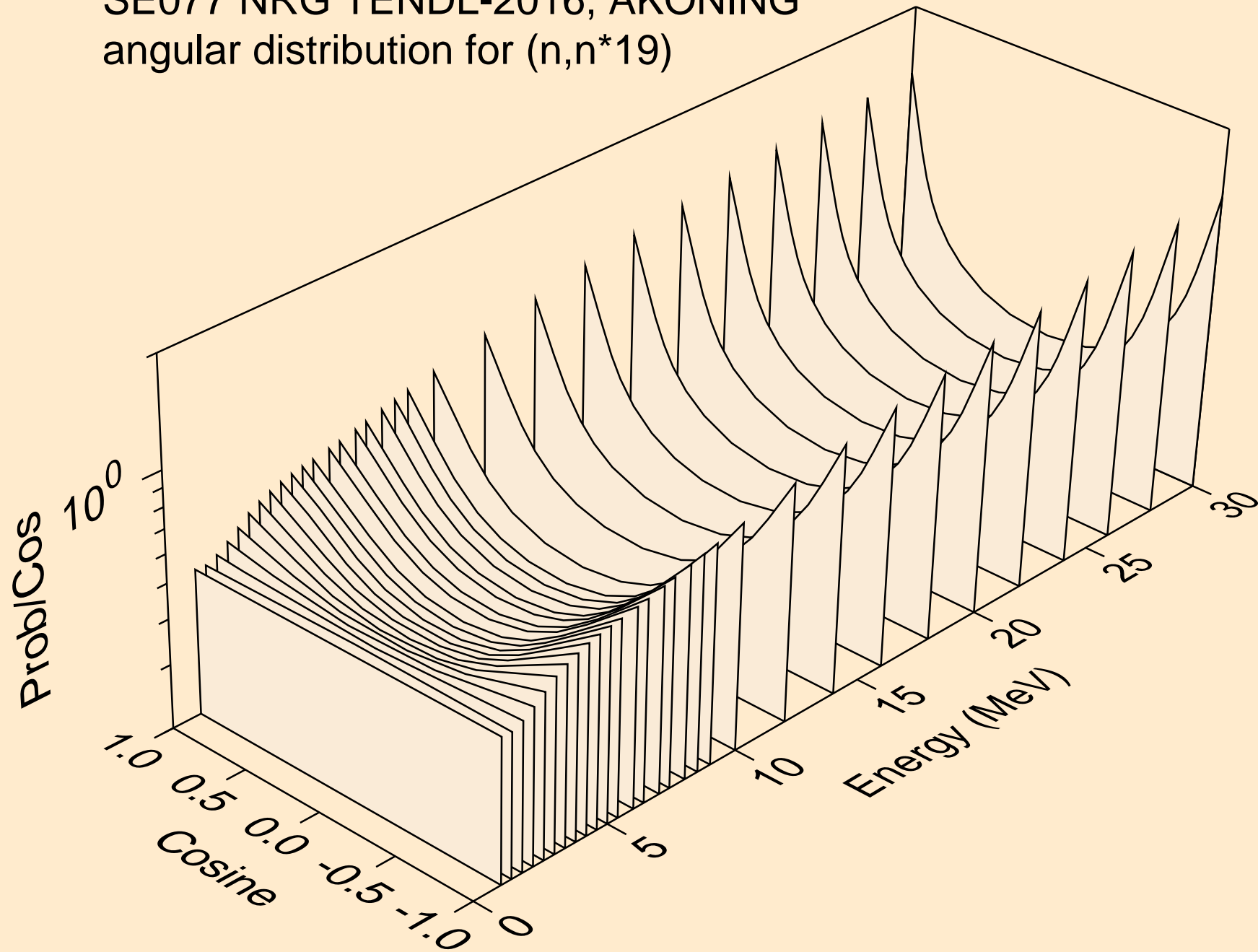
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*17)



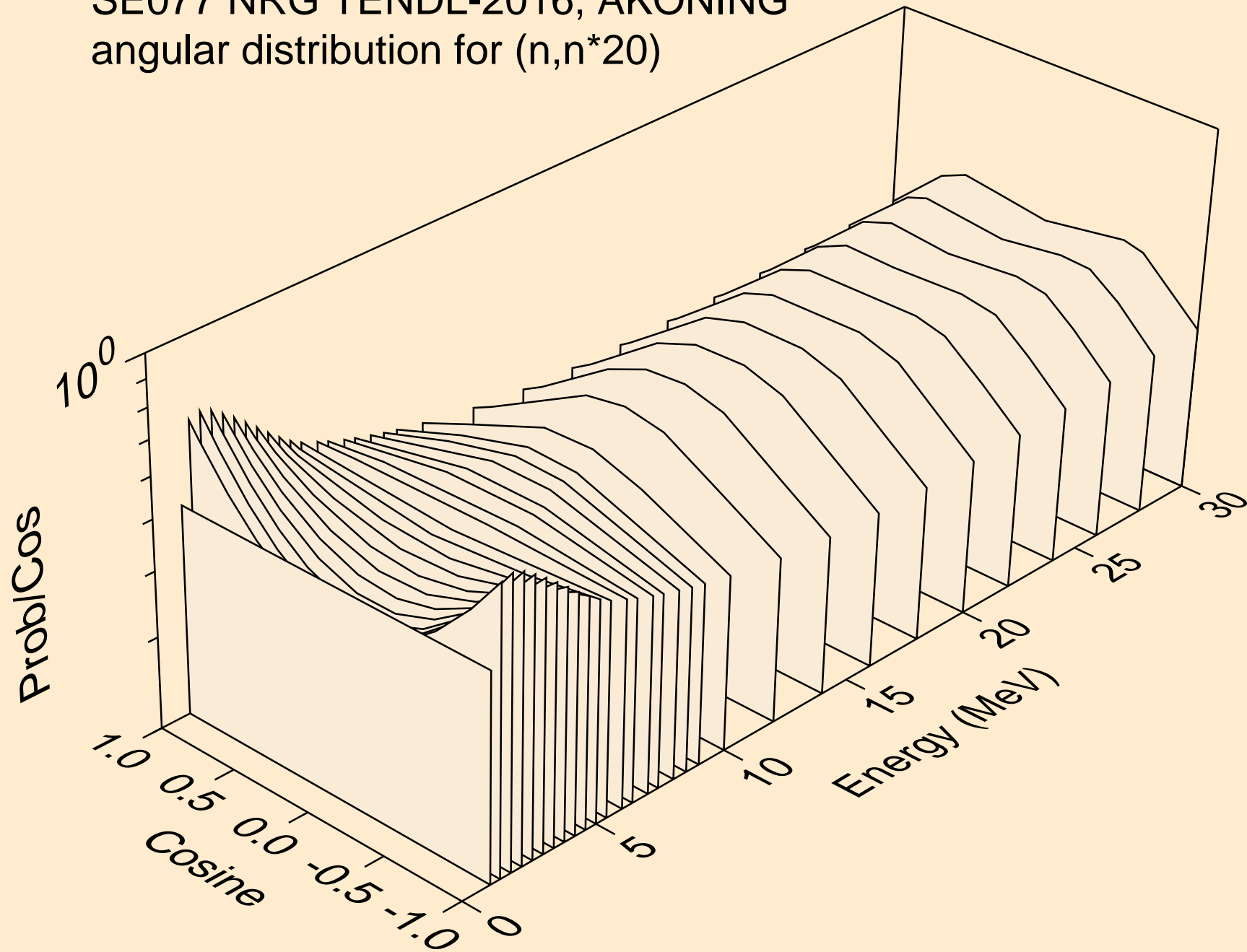
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*18)



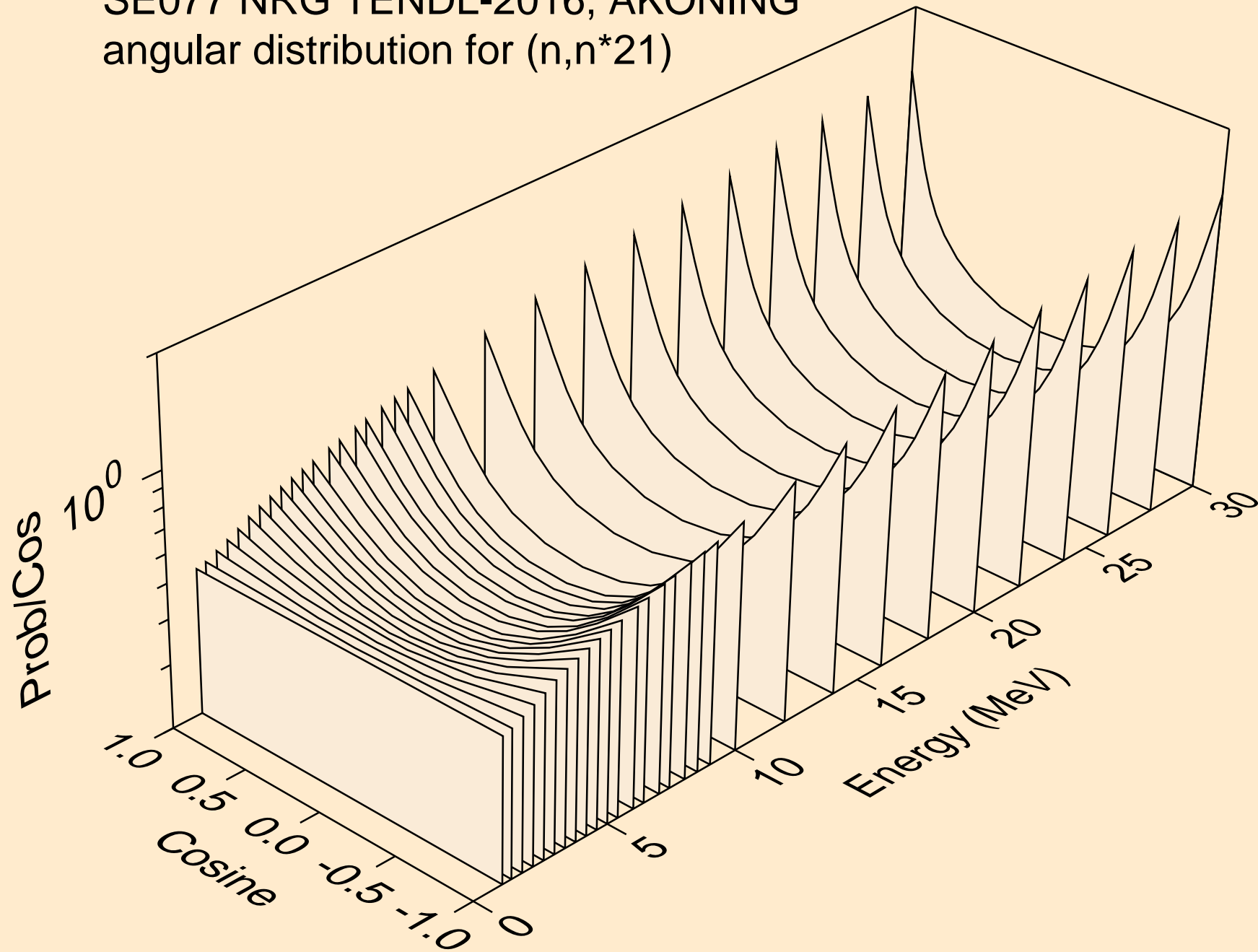
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*19)



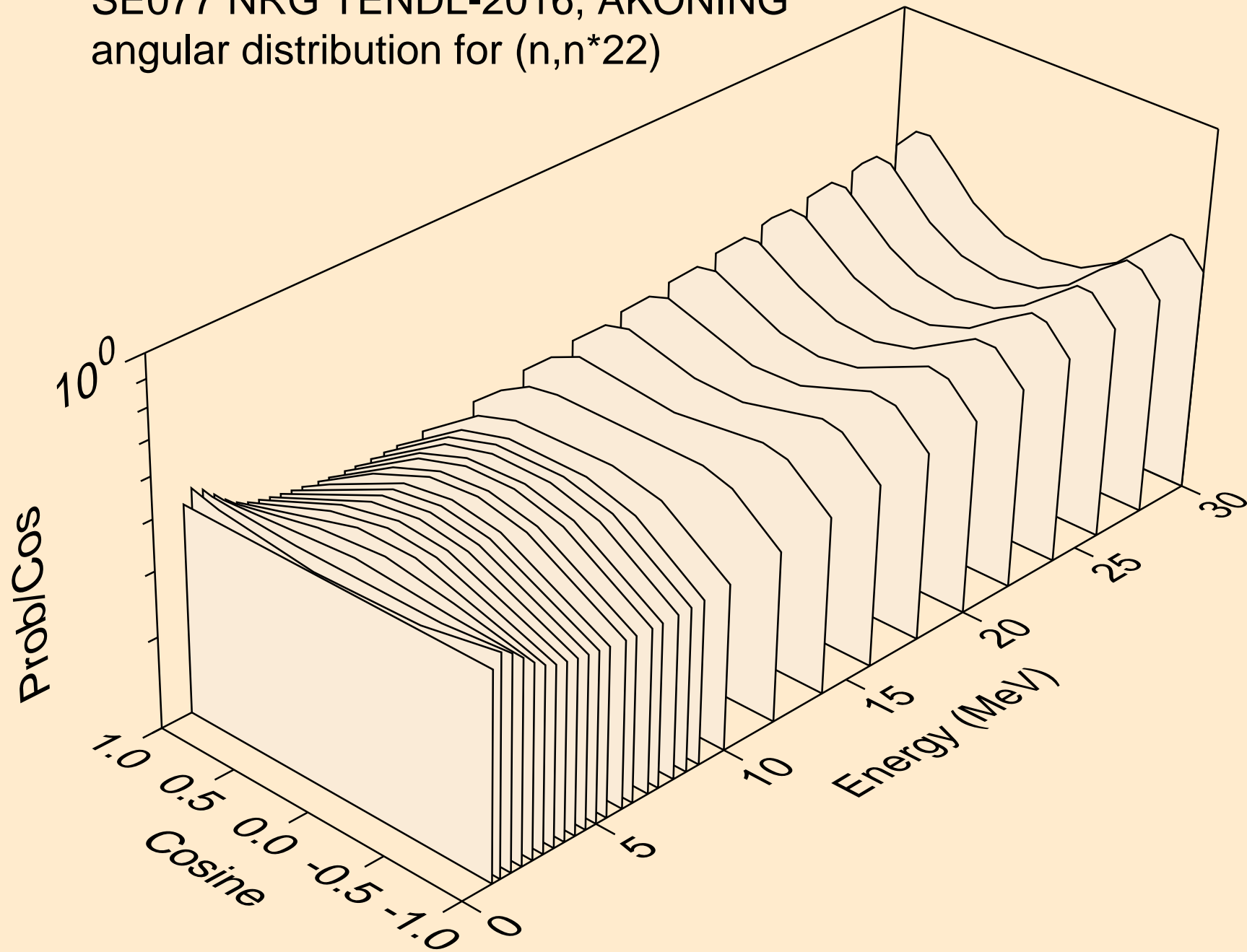
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*20)



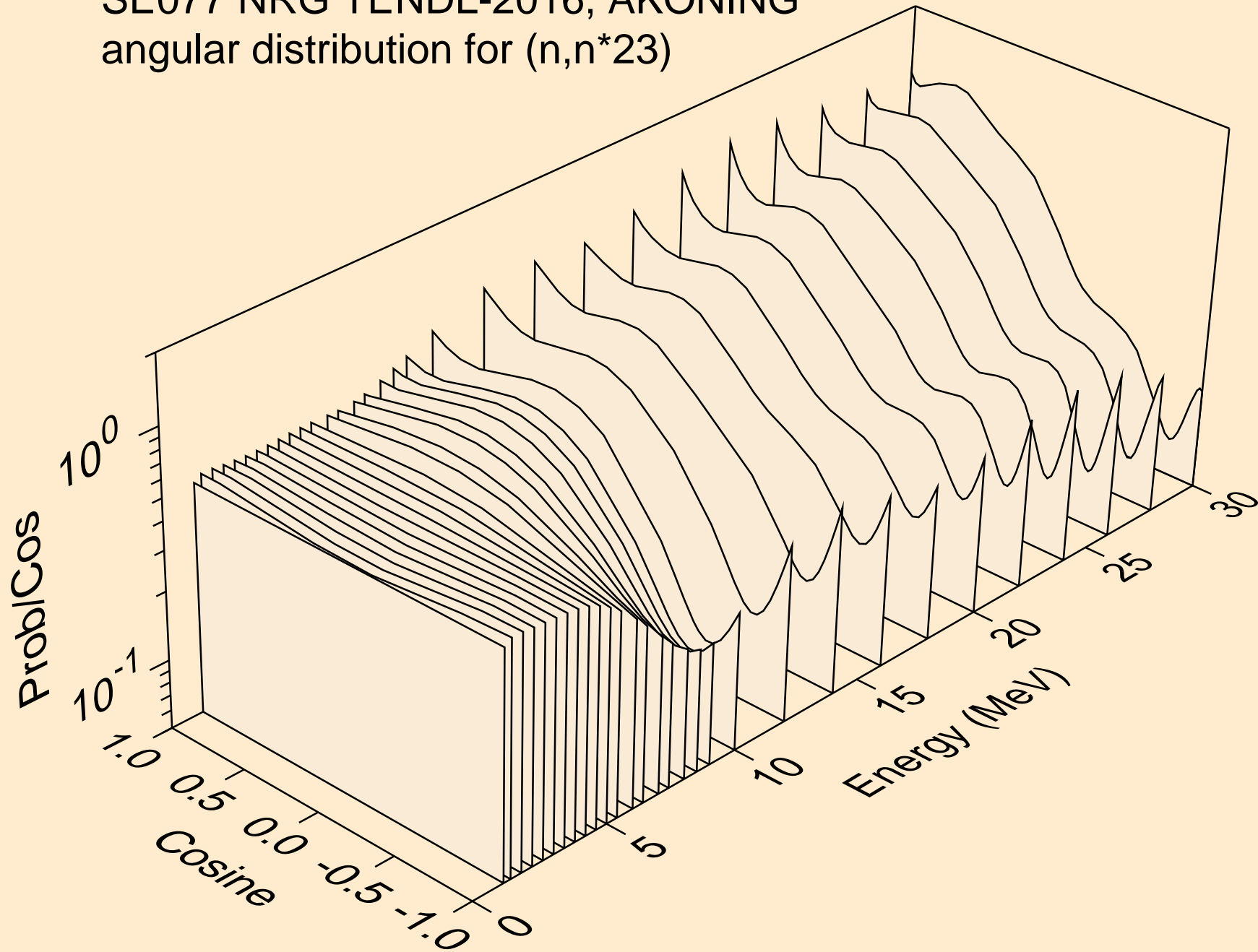
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*21)



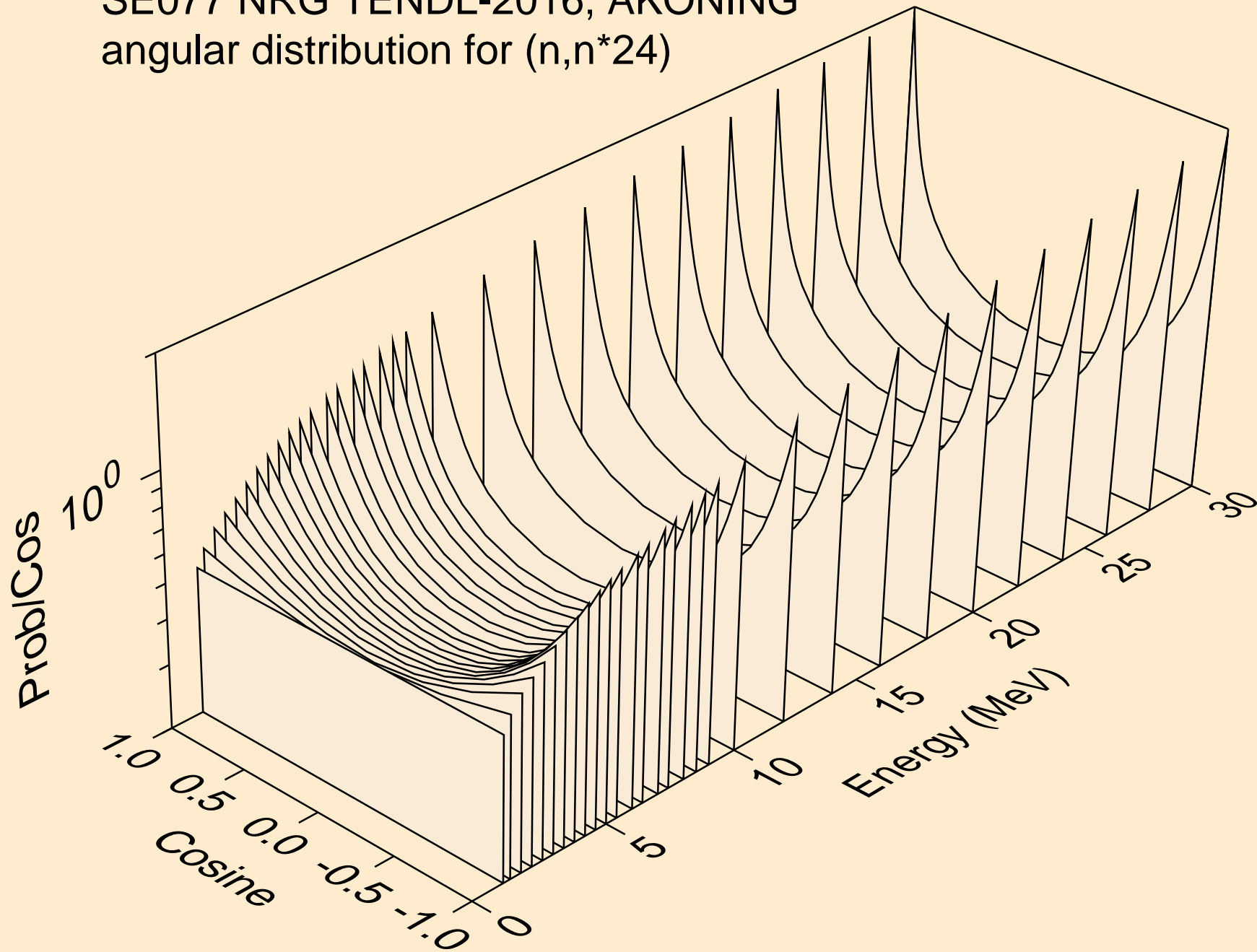
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*22)



SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*23)

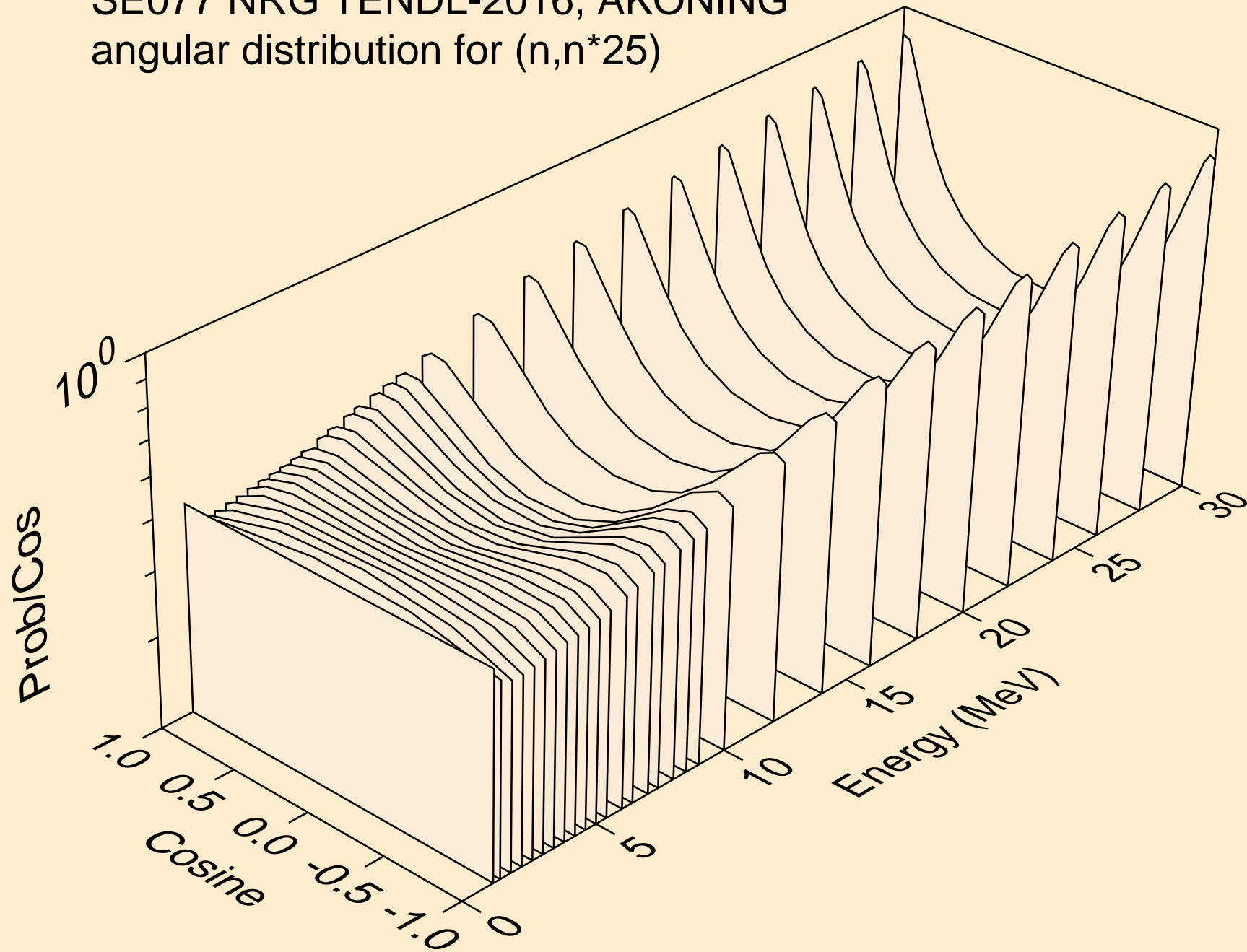


SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*24)

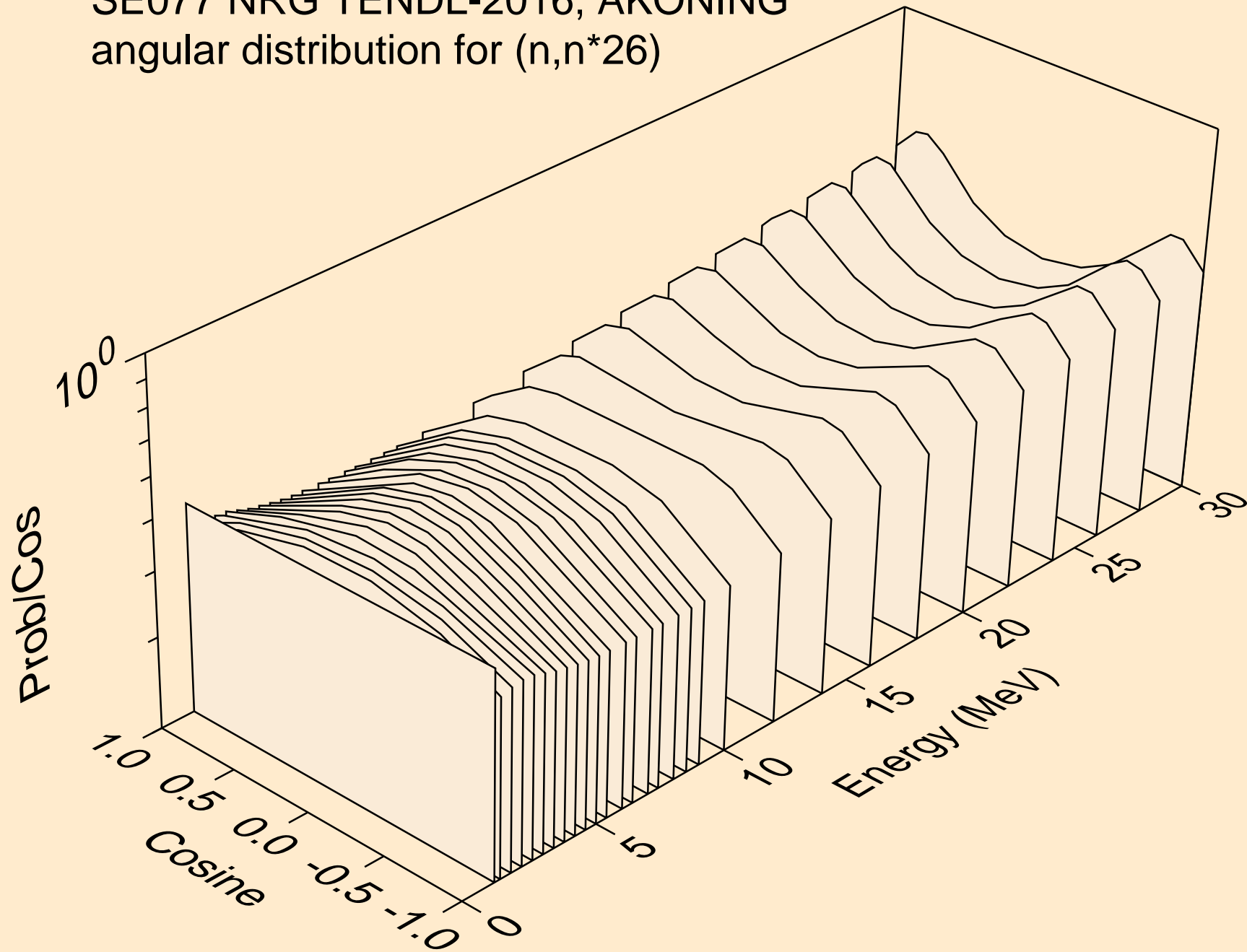




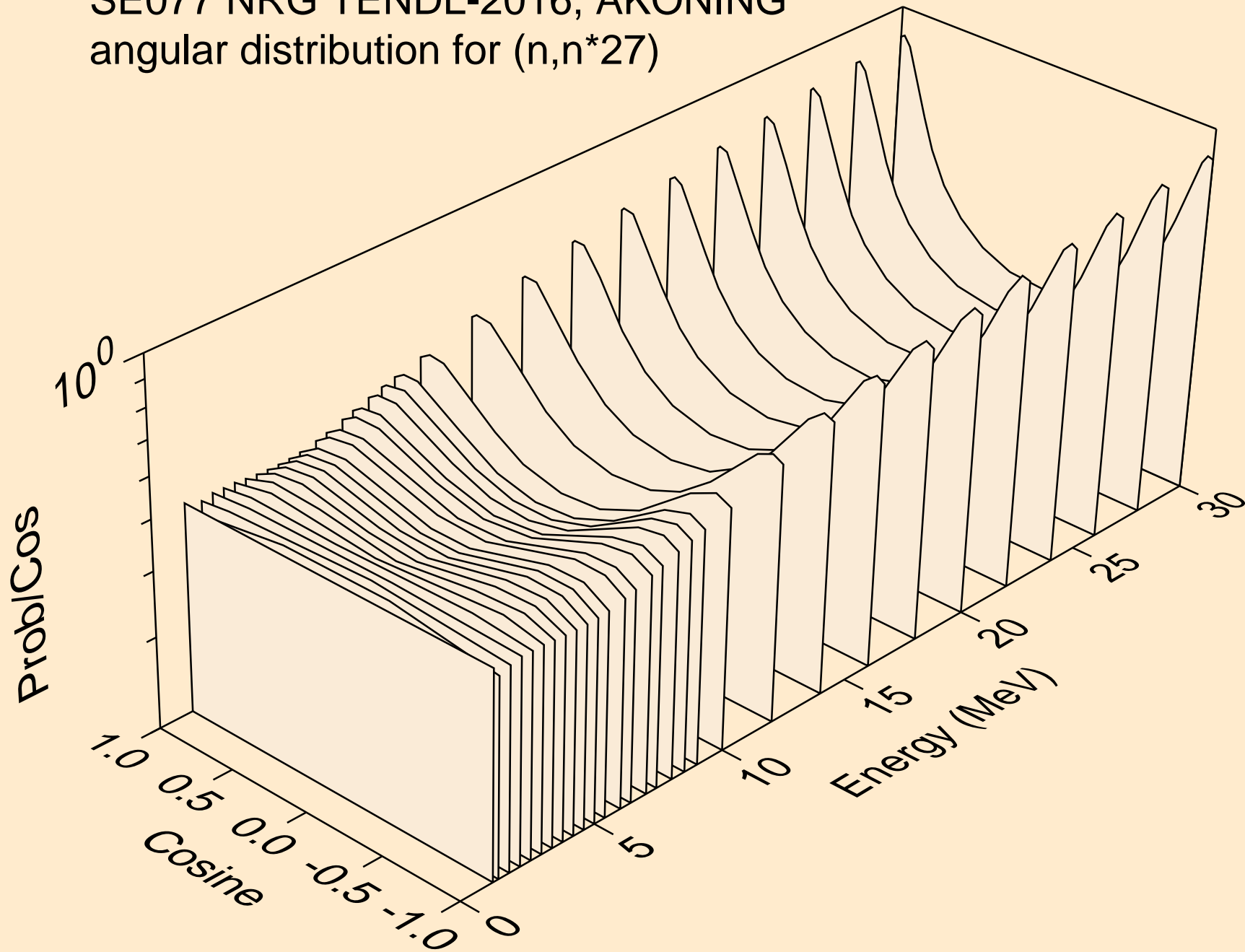
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angular distribution for (n,n\*25)



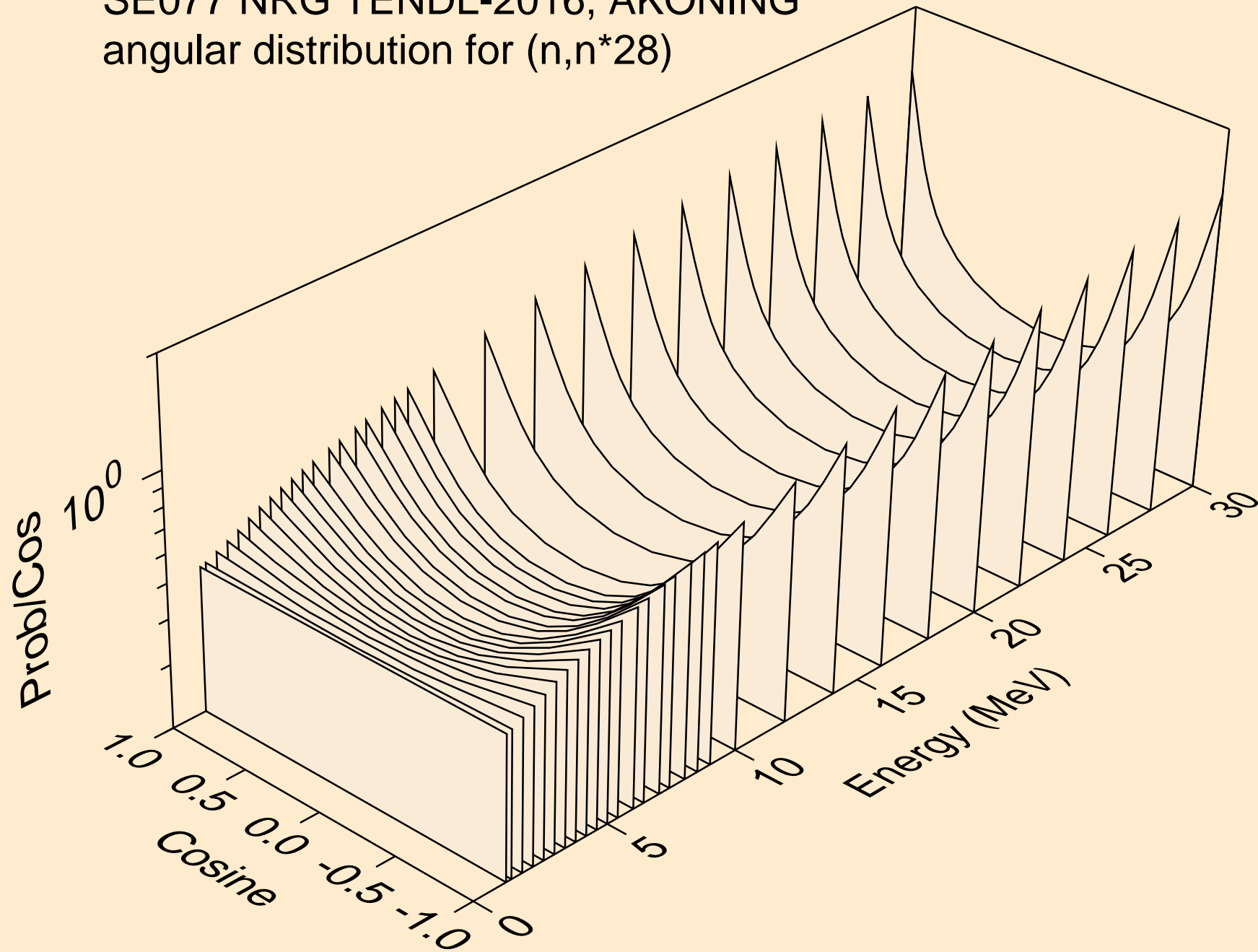
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angular distribution for (n,n\*26)



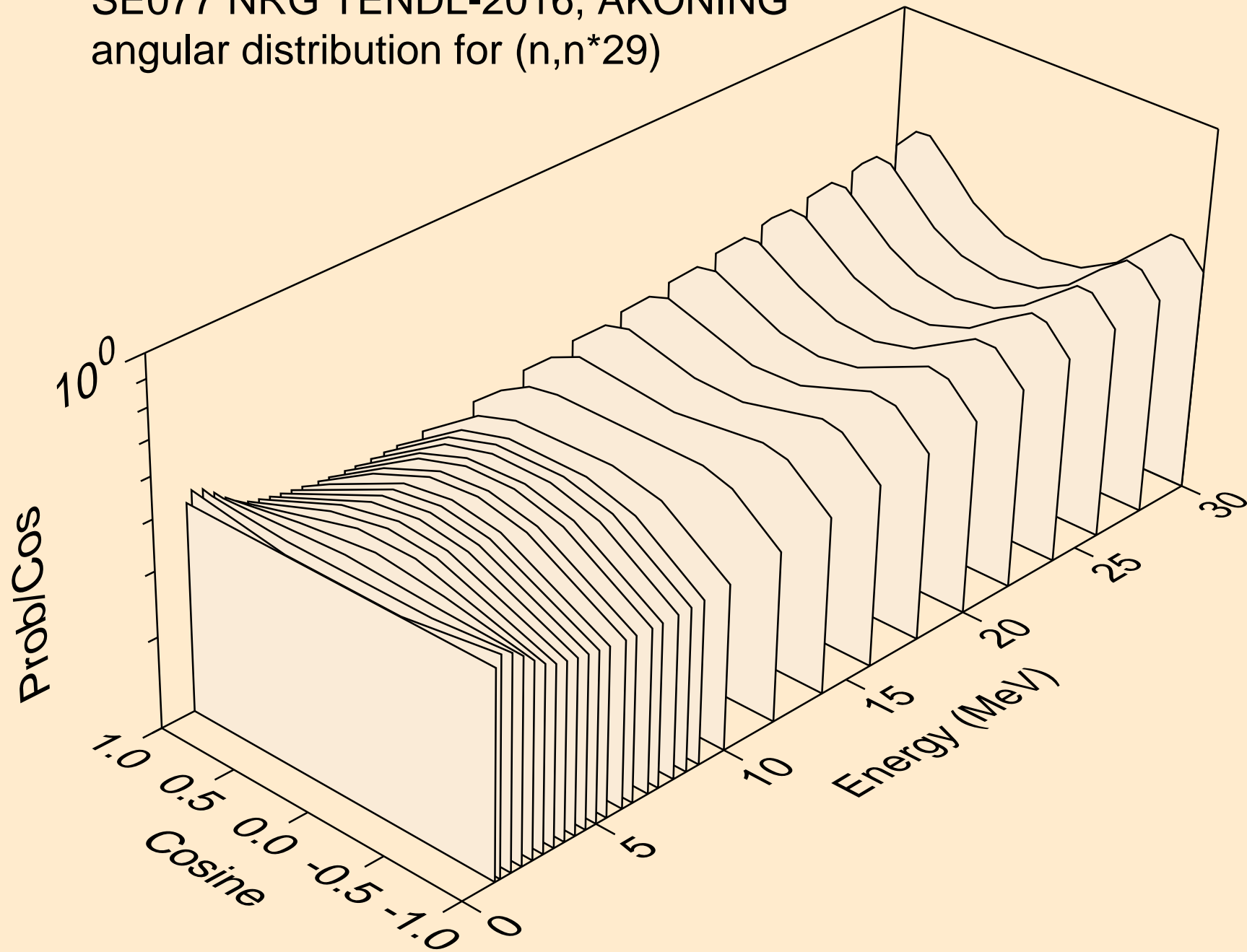
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angular distribution for (n,n\*27)



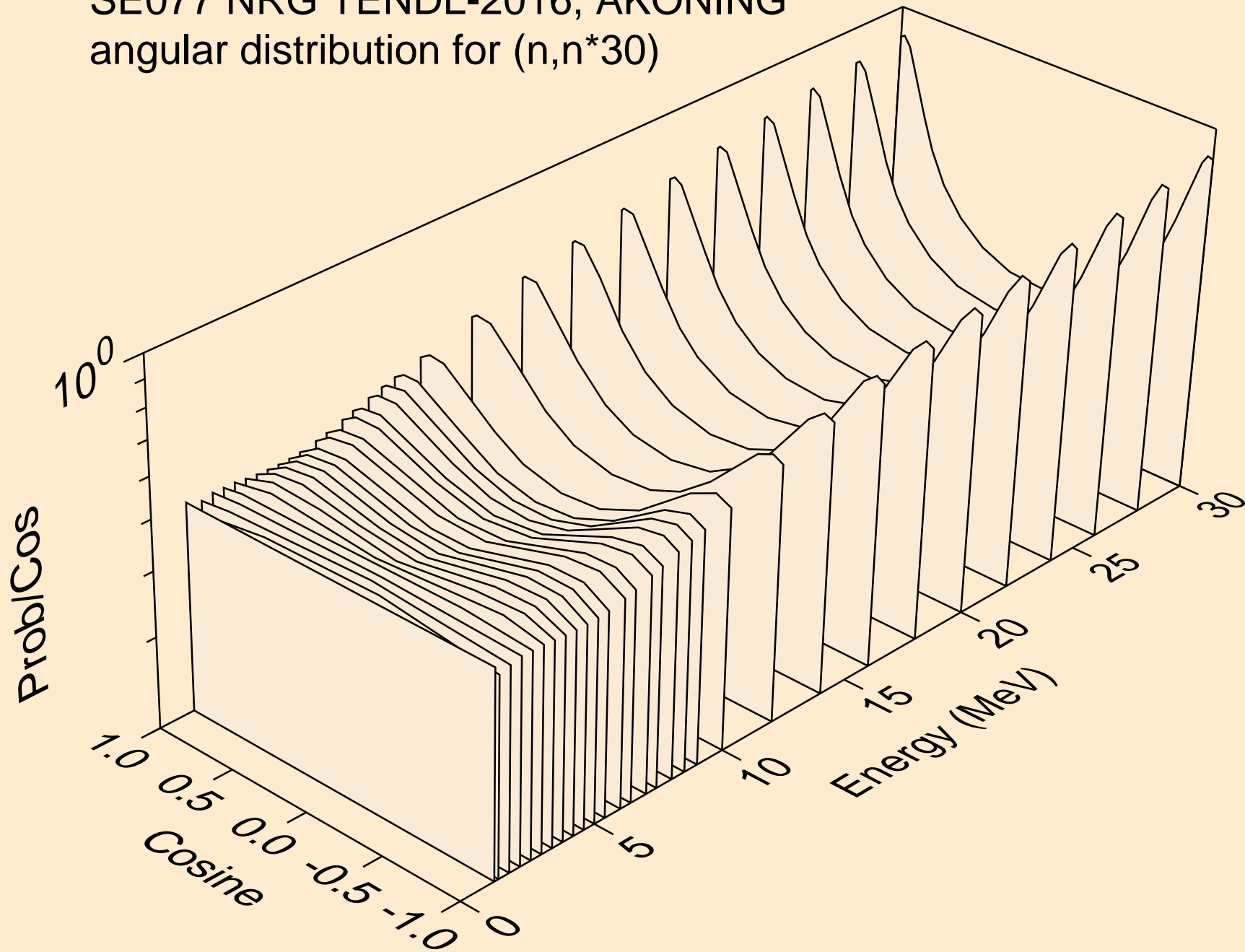
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*28)



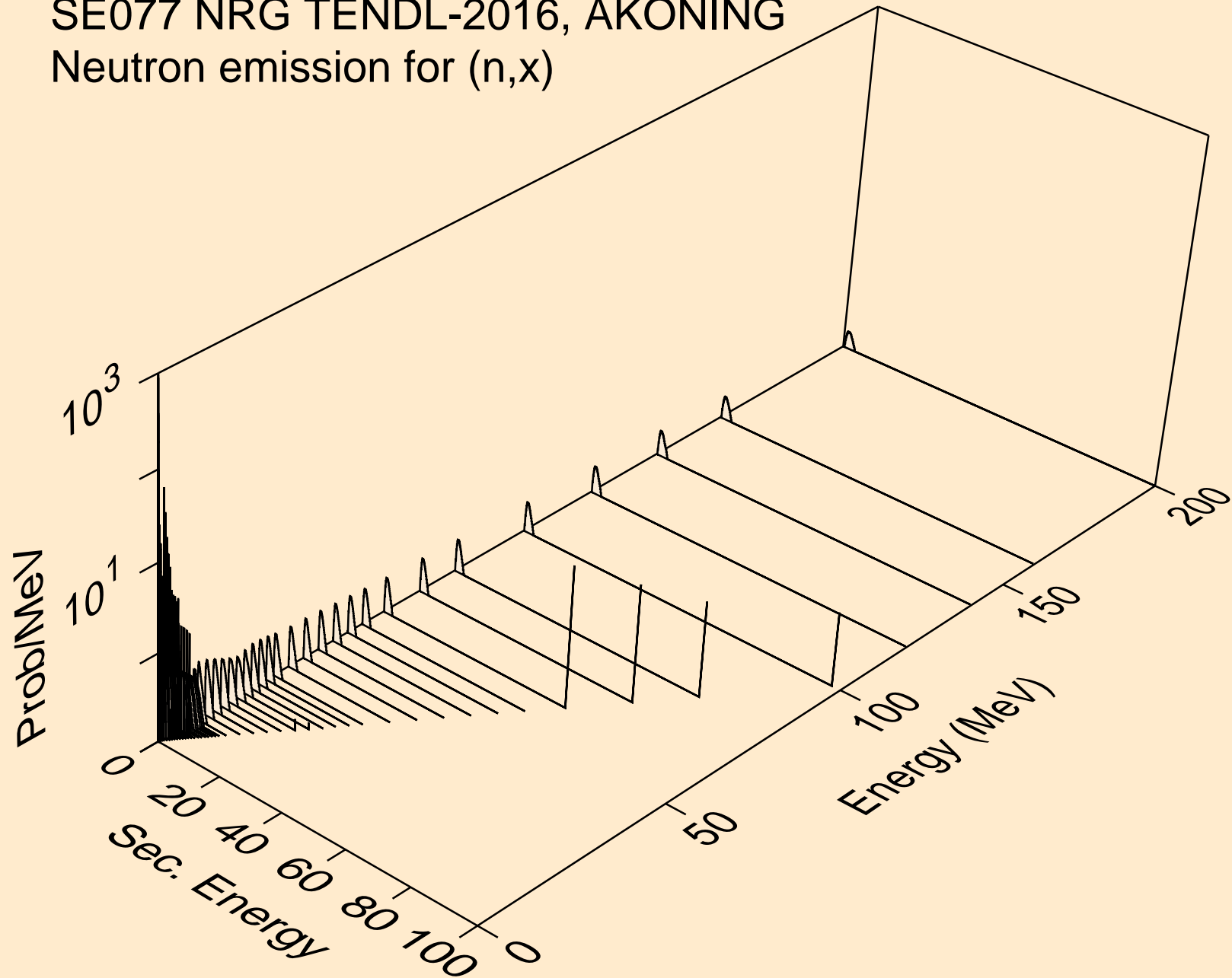
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angular distribution for (n,n\*29)



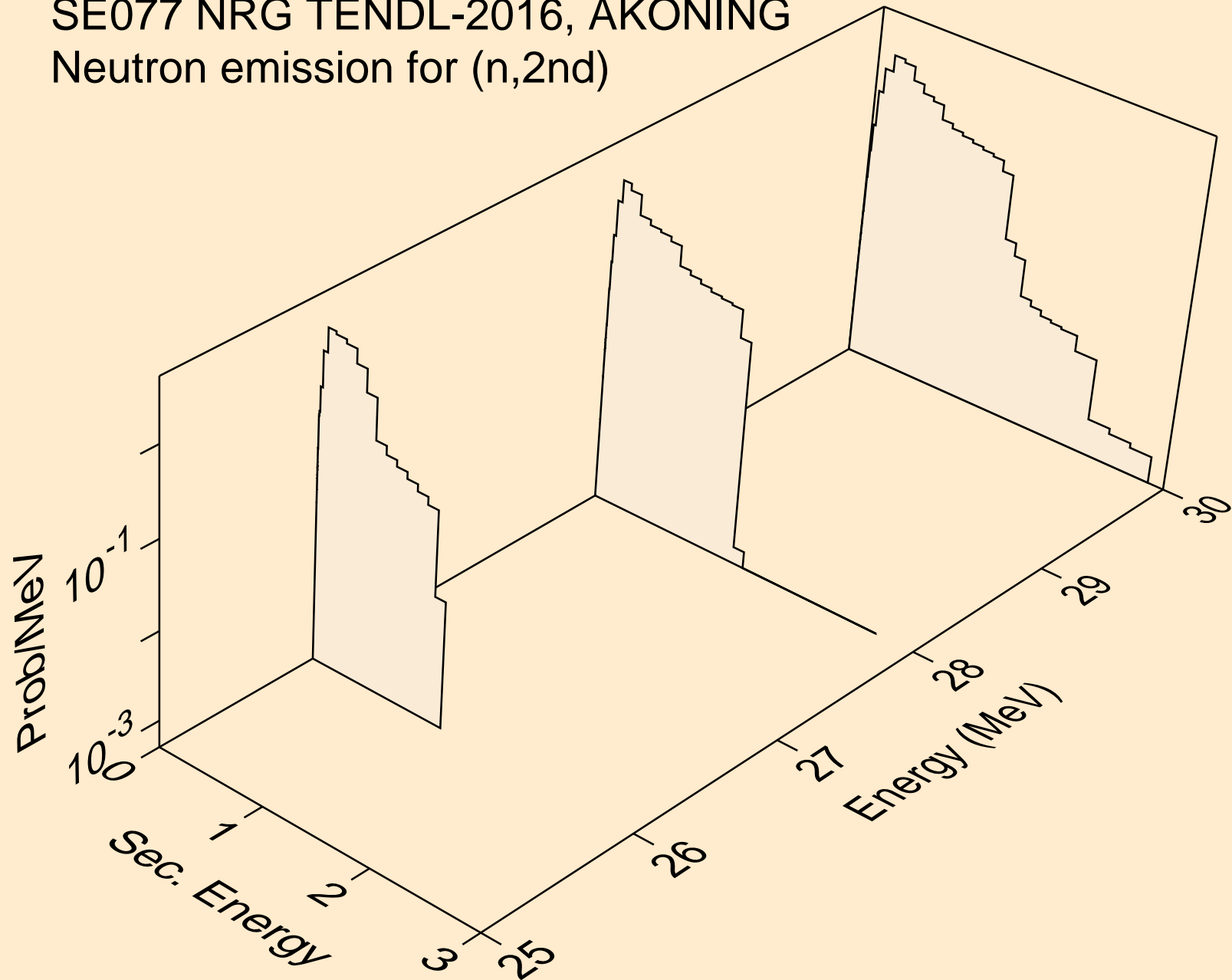
SE077 NRG TENDL-2016, AKONING  
angular distribution for (n,n\*30)



SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,x)

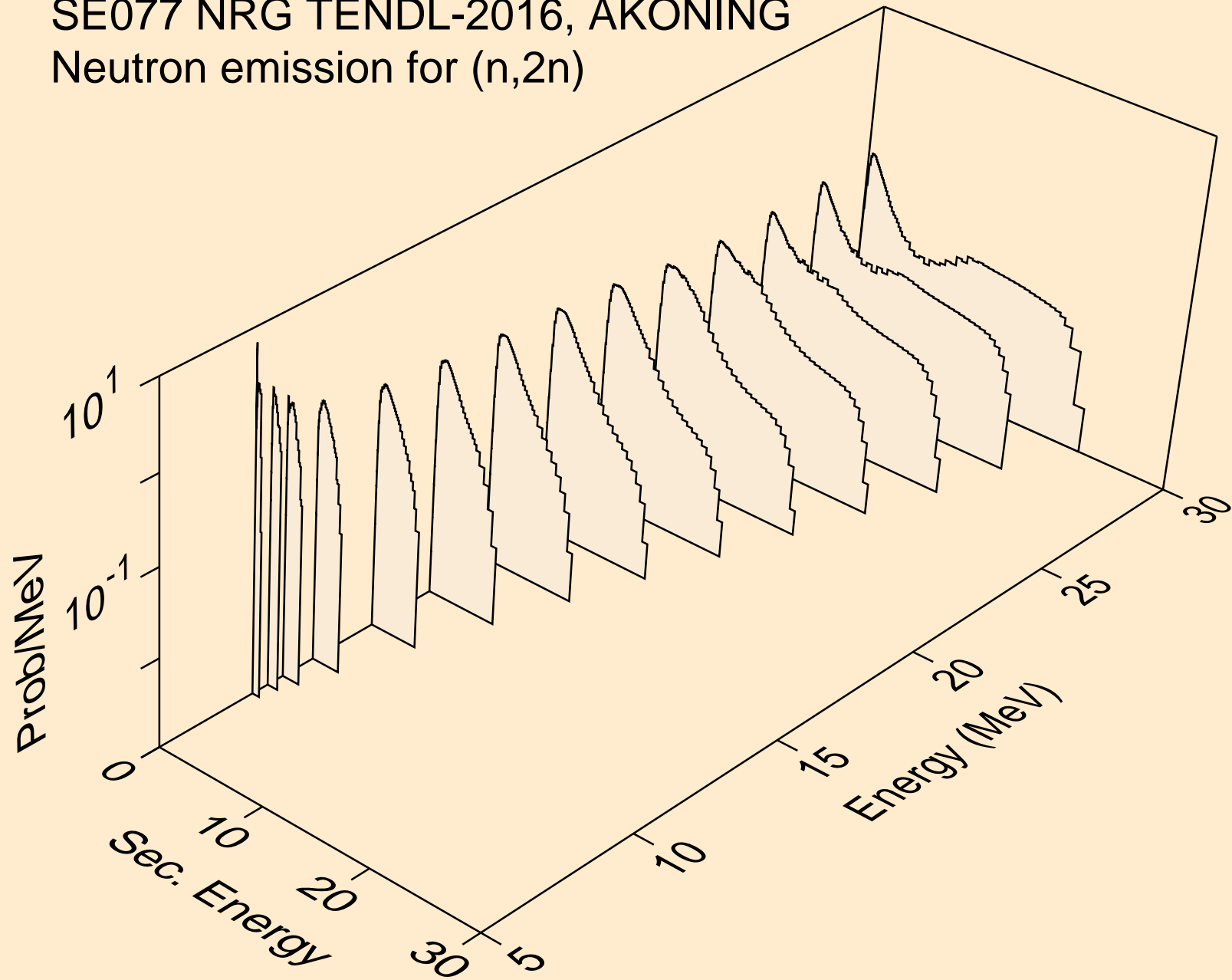


SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,2nd)

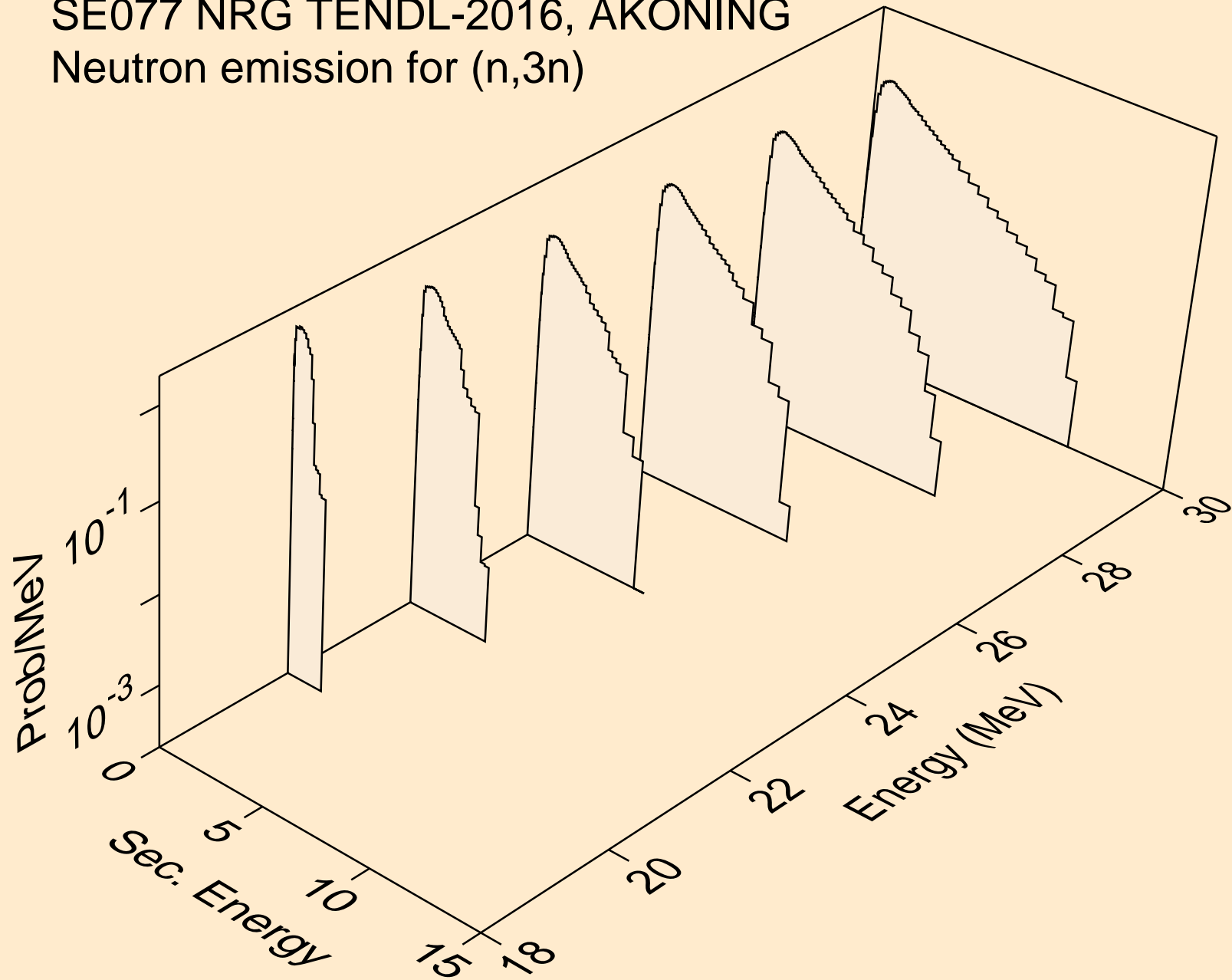




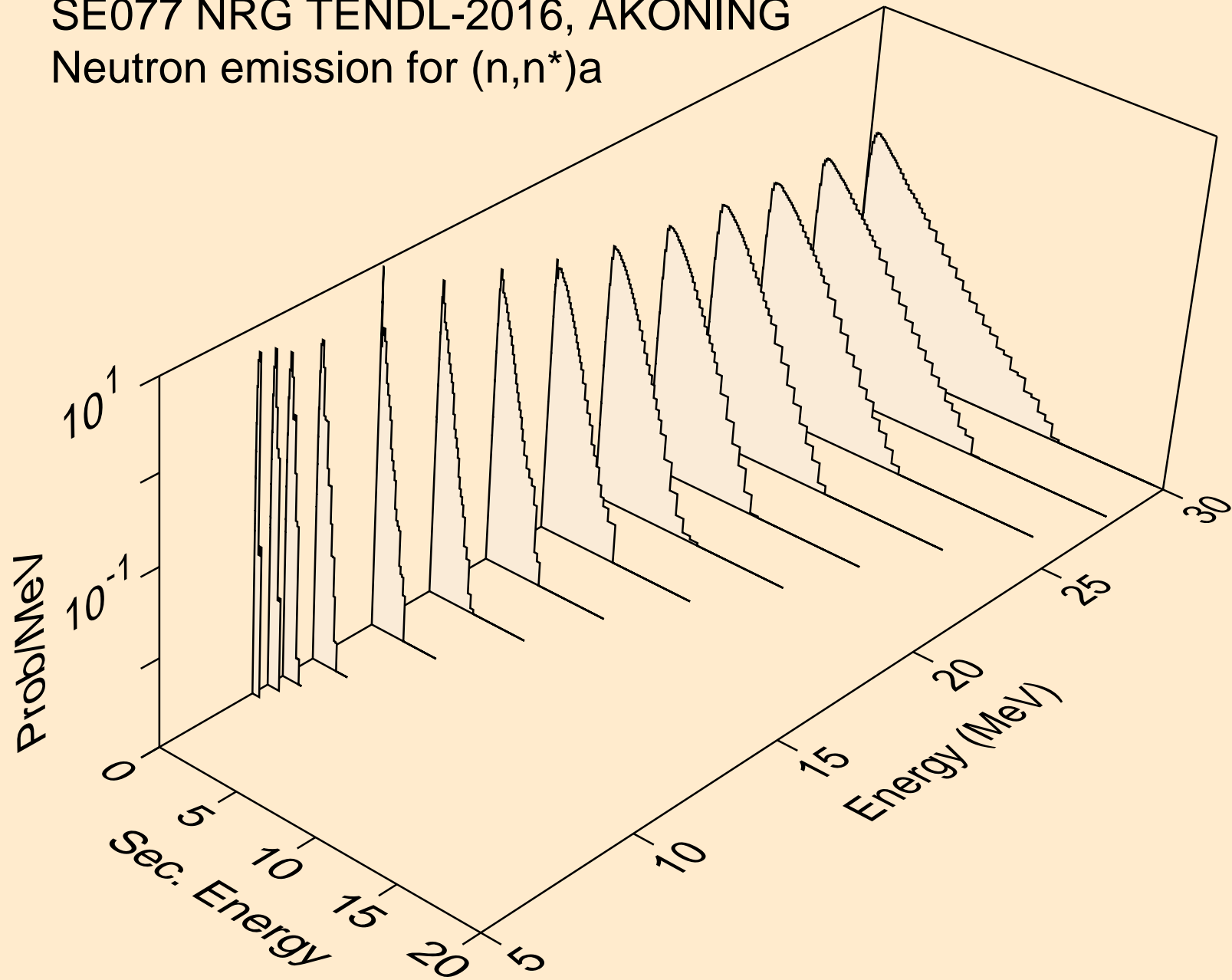
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,2n)



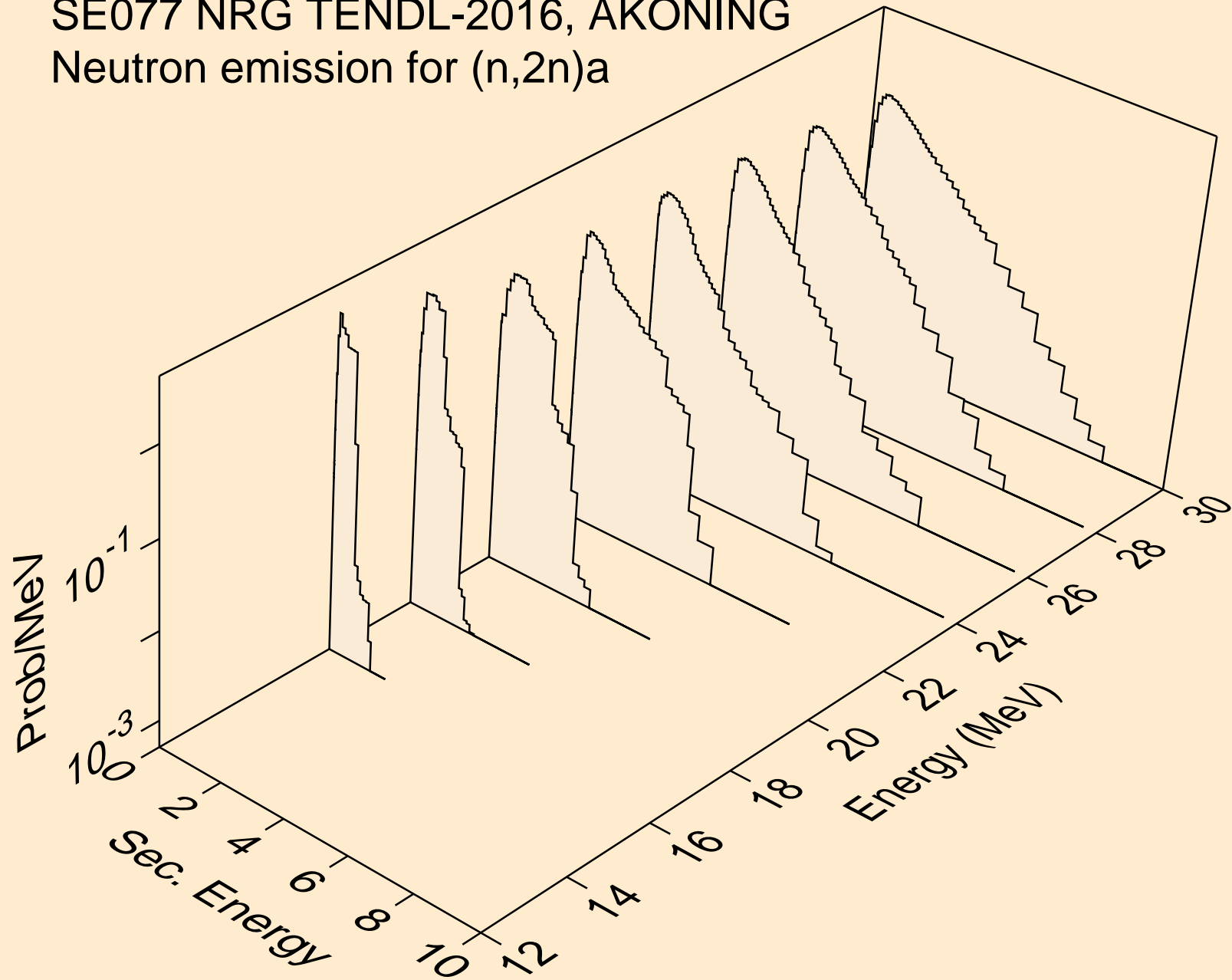
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,3n)



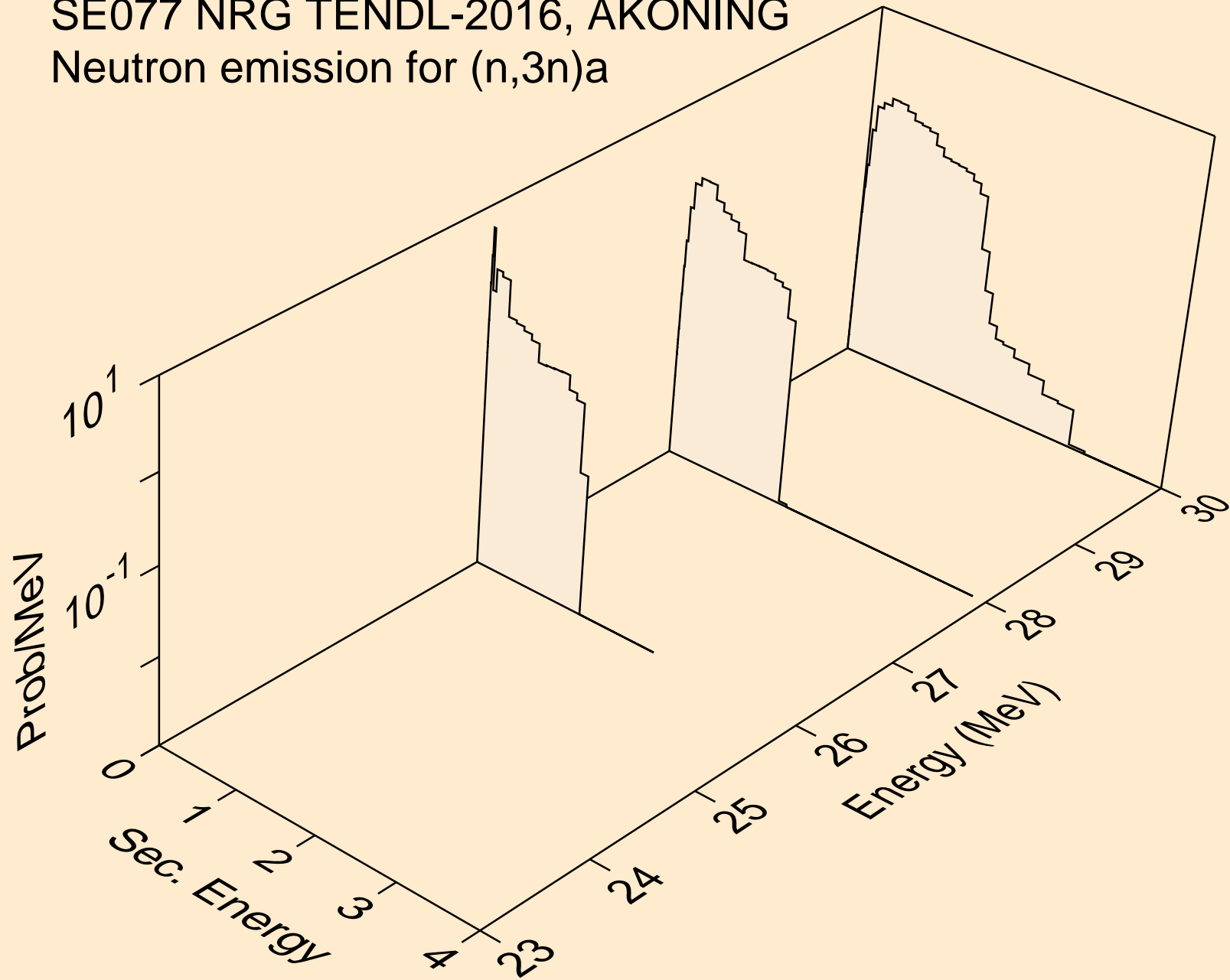
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,n\*)a



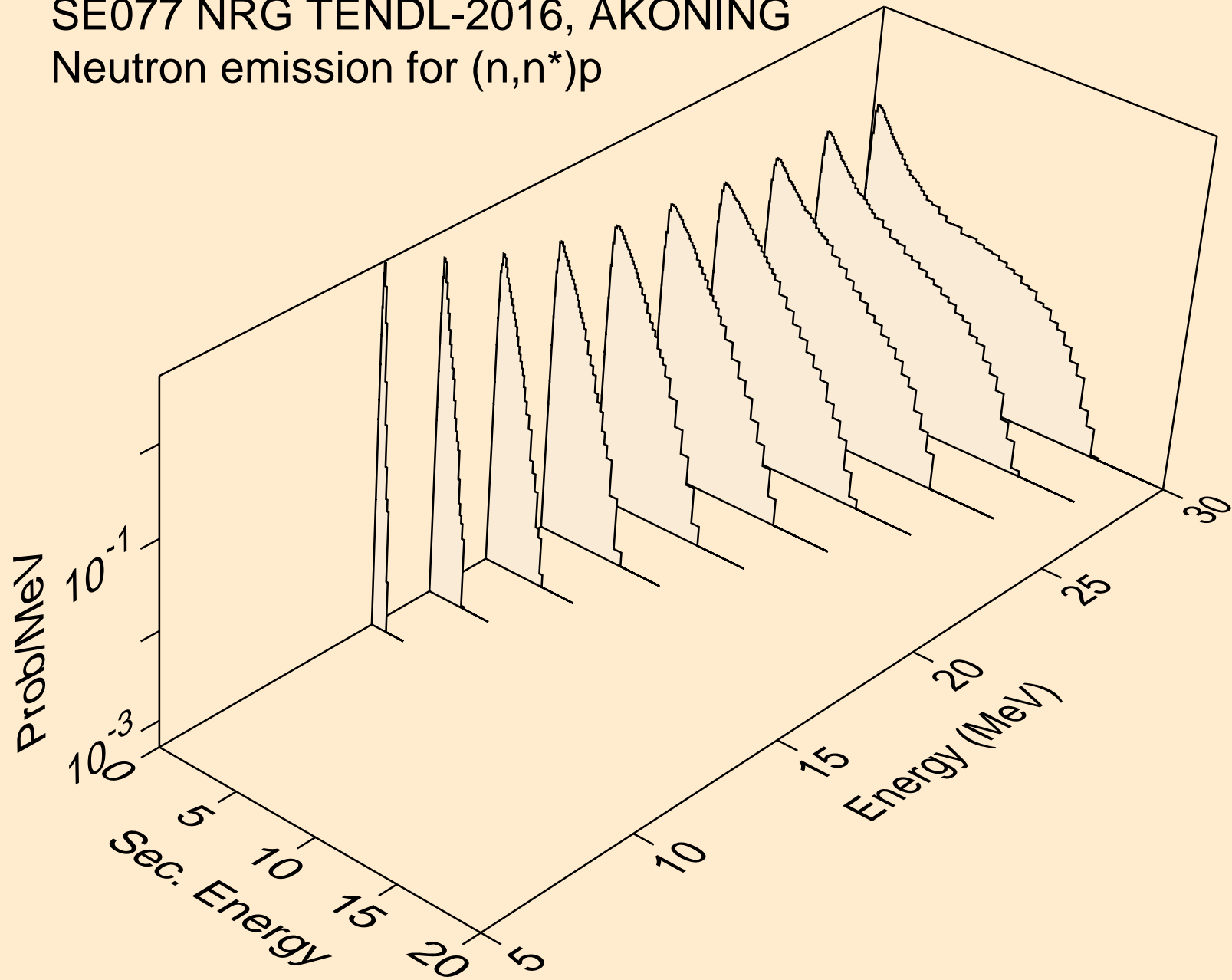
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,2n)a



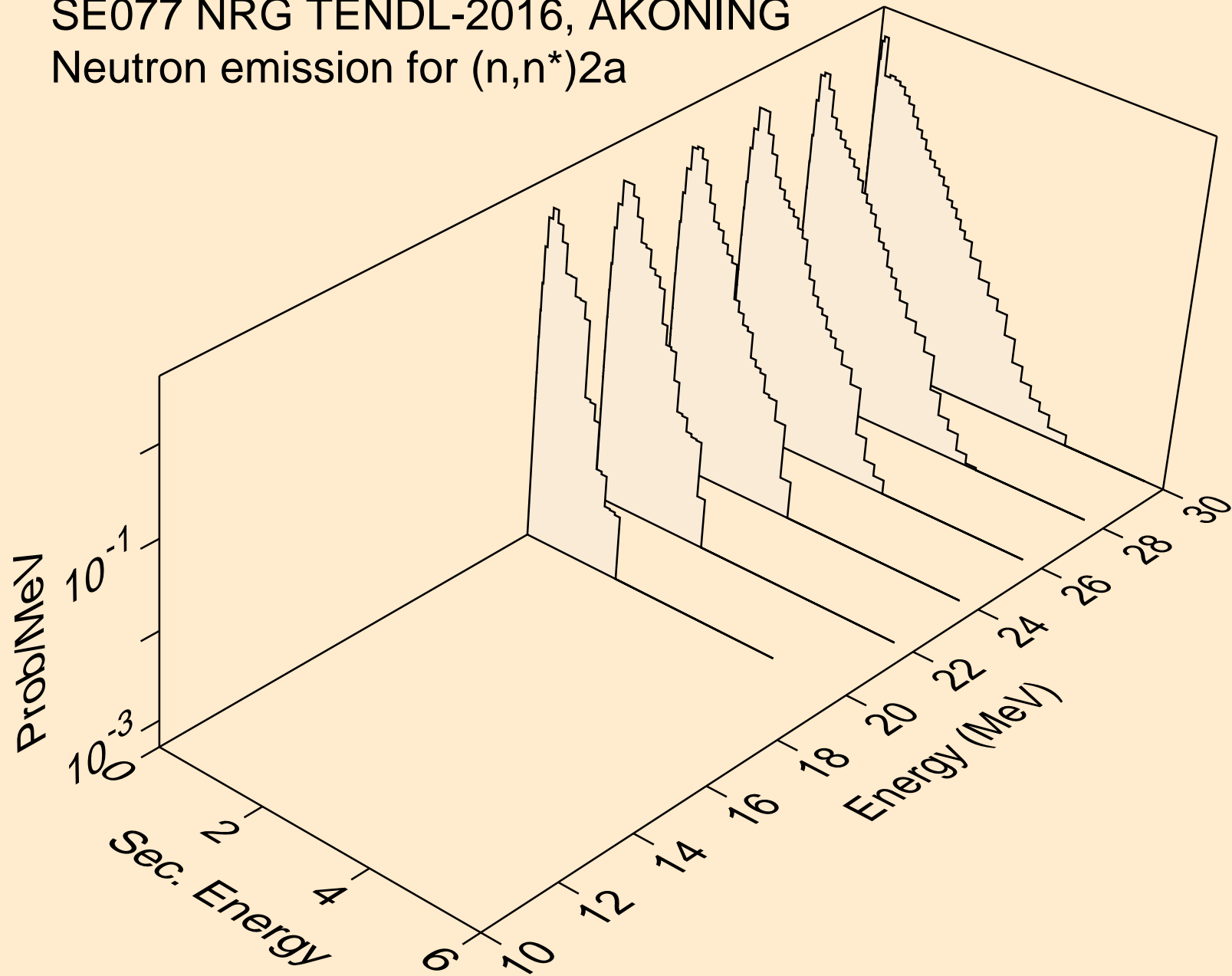
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,3n)a



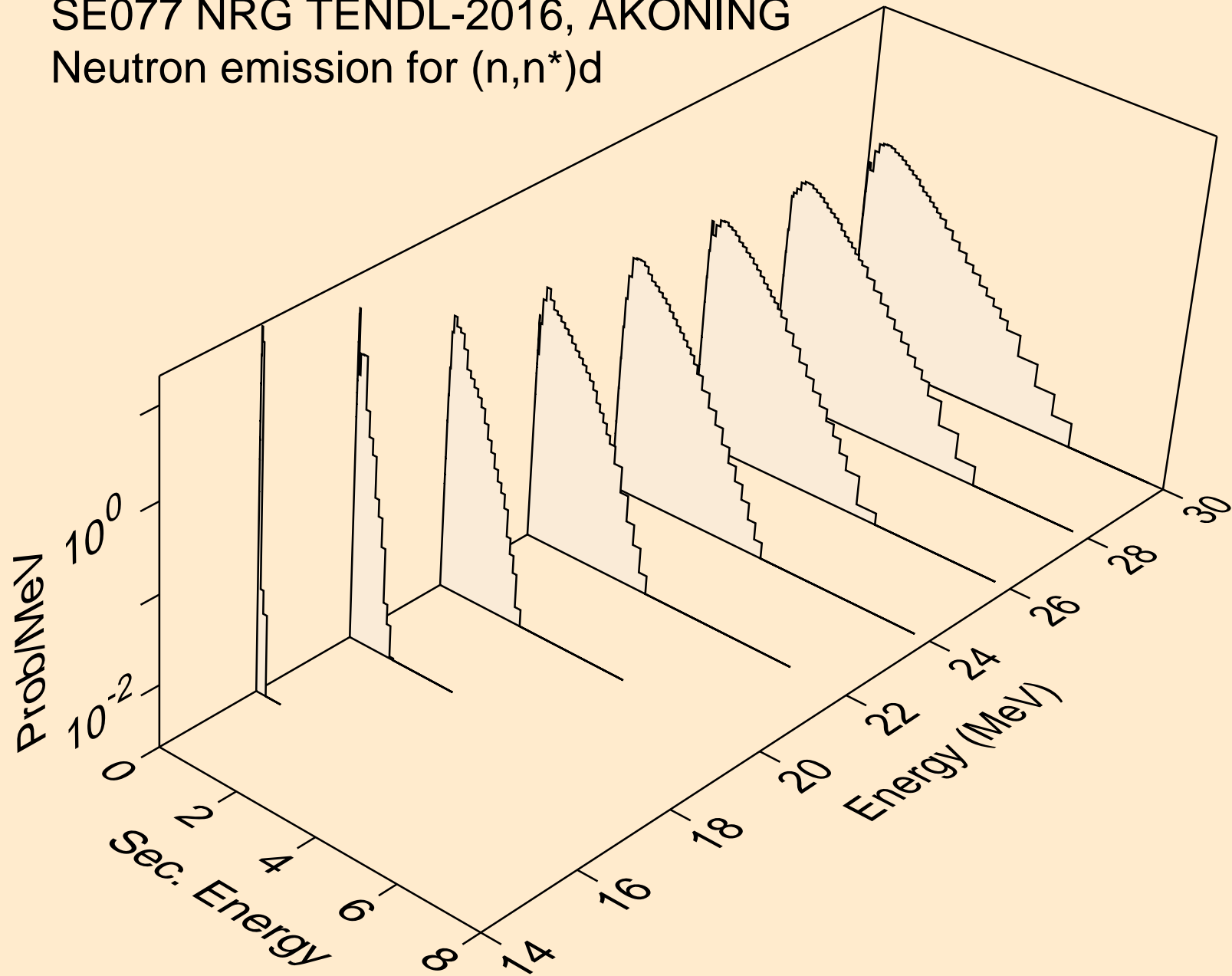
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,n\*)p



SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,n\*)2a

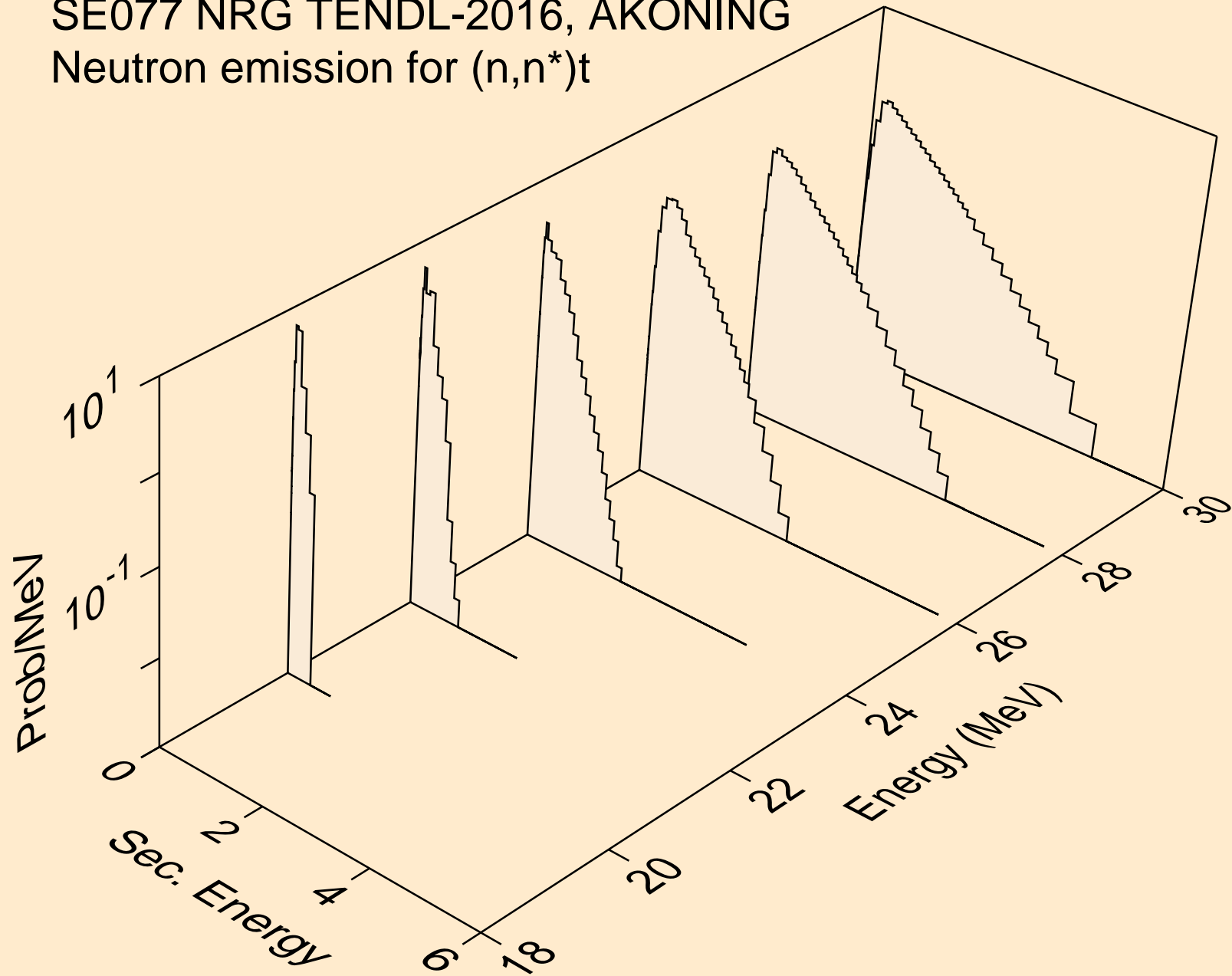


SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,n\*)d

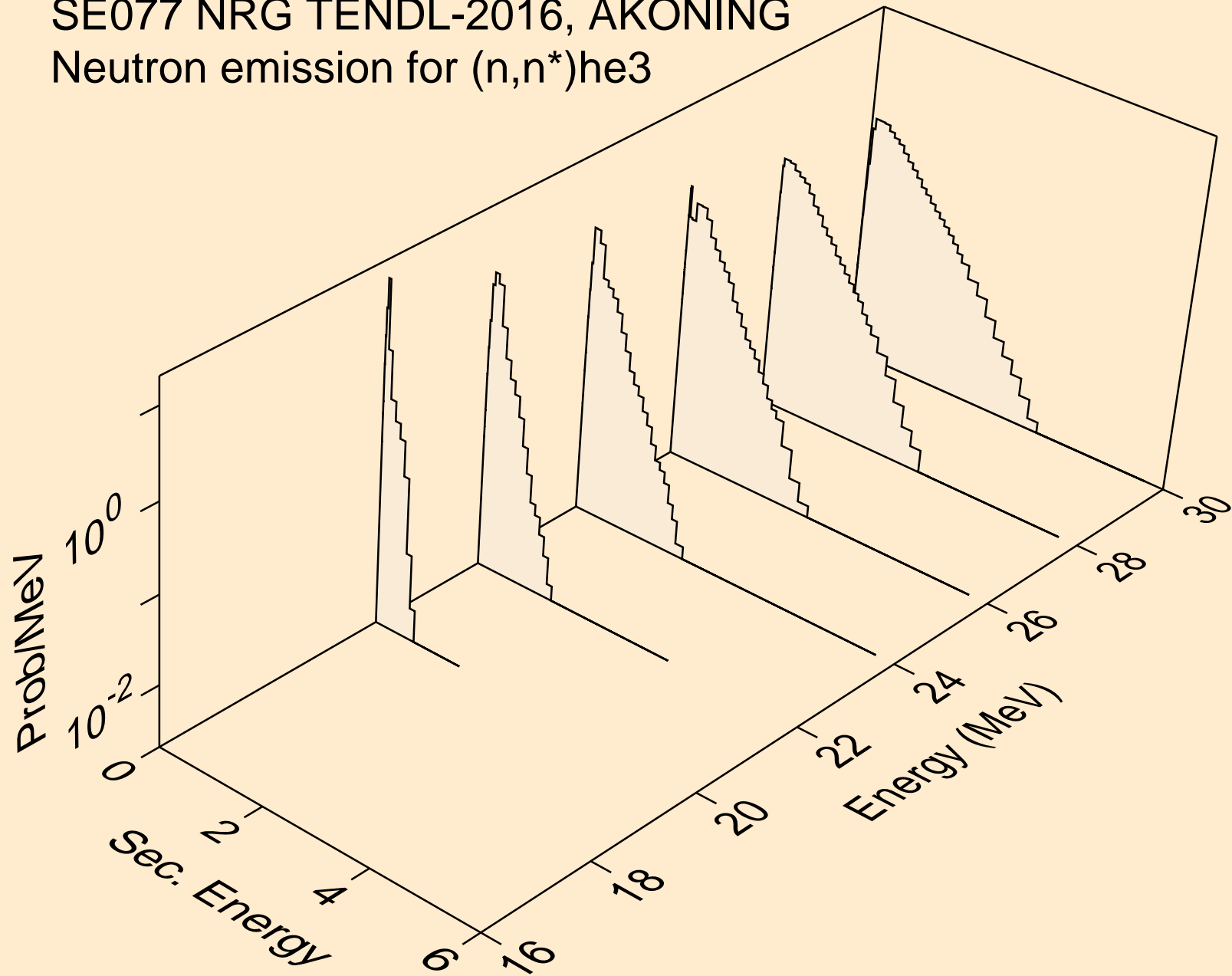




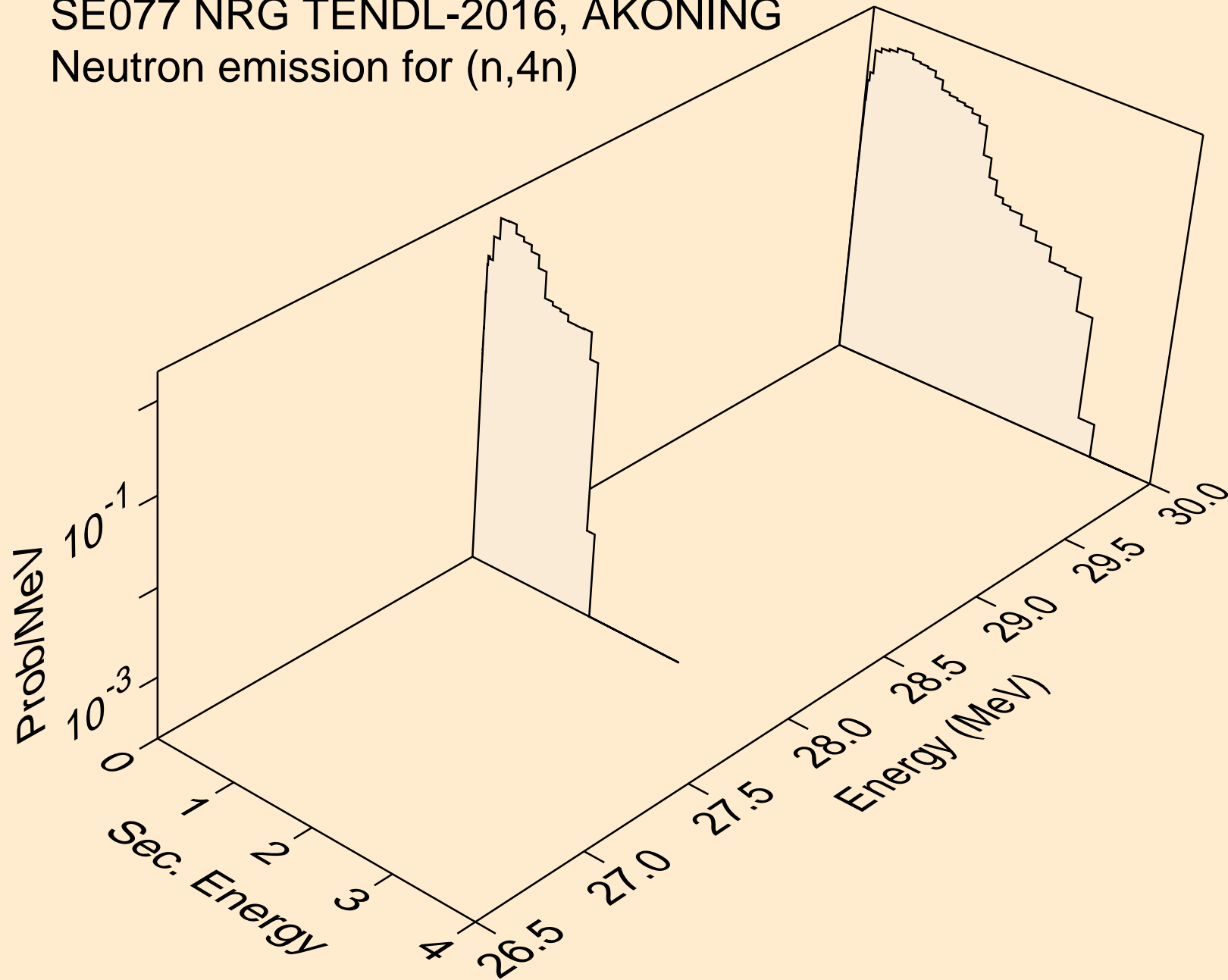
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,n\*)t



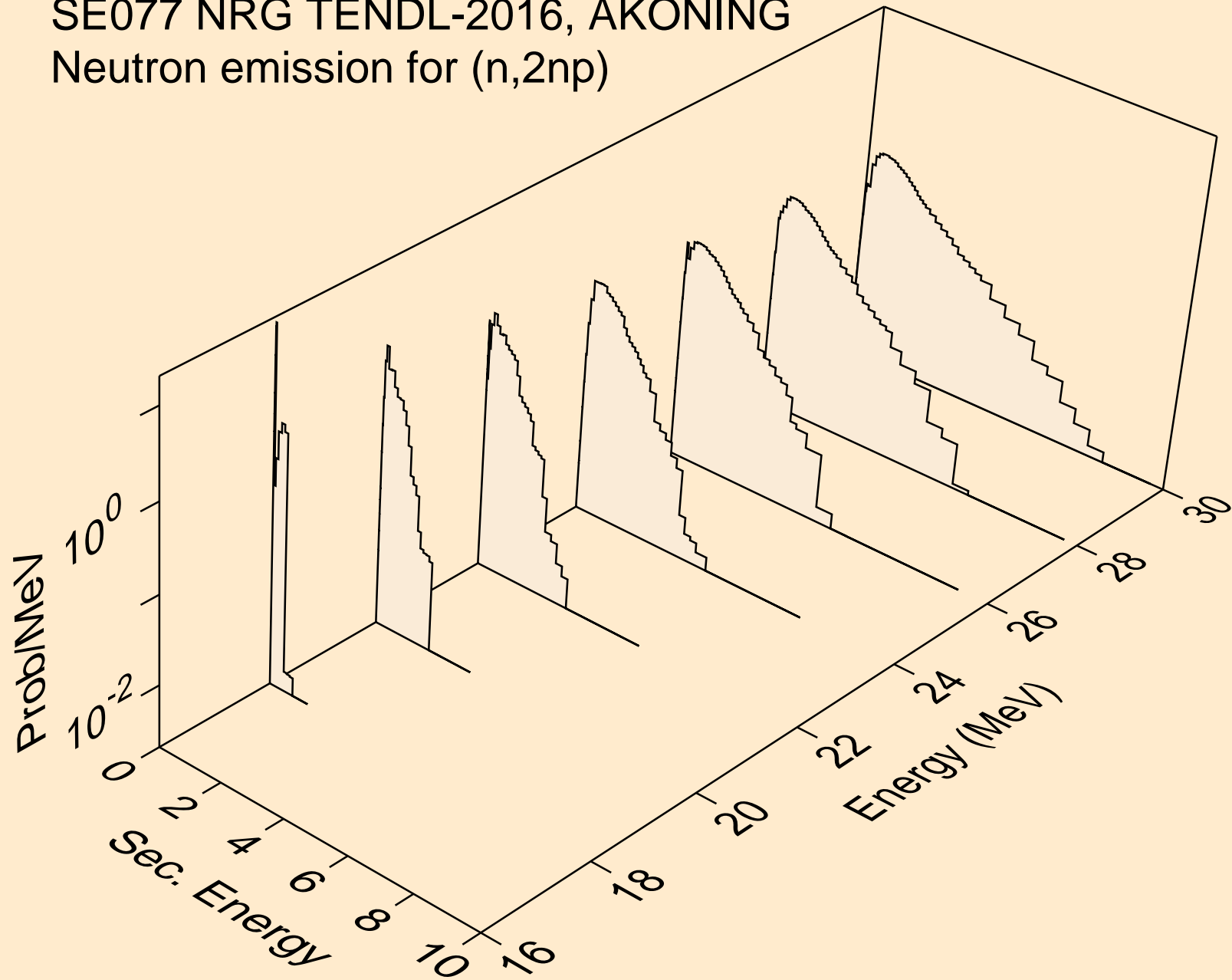
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,n\*)he3



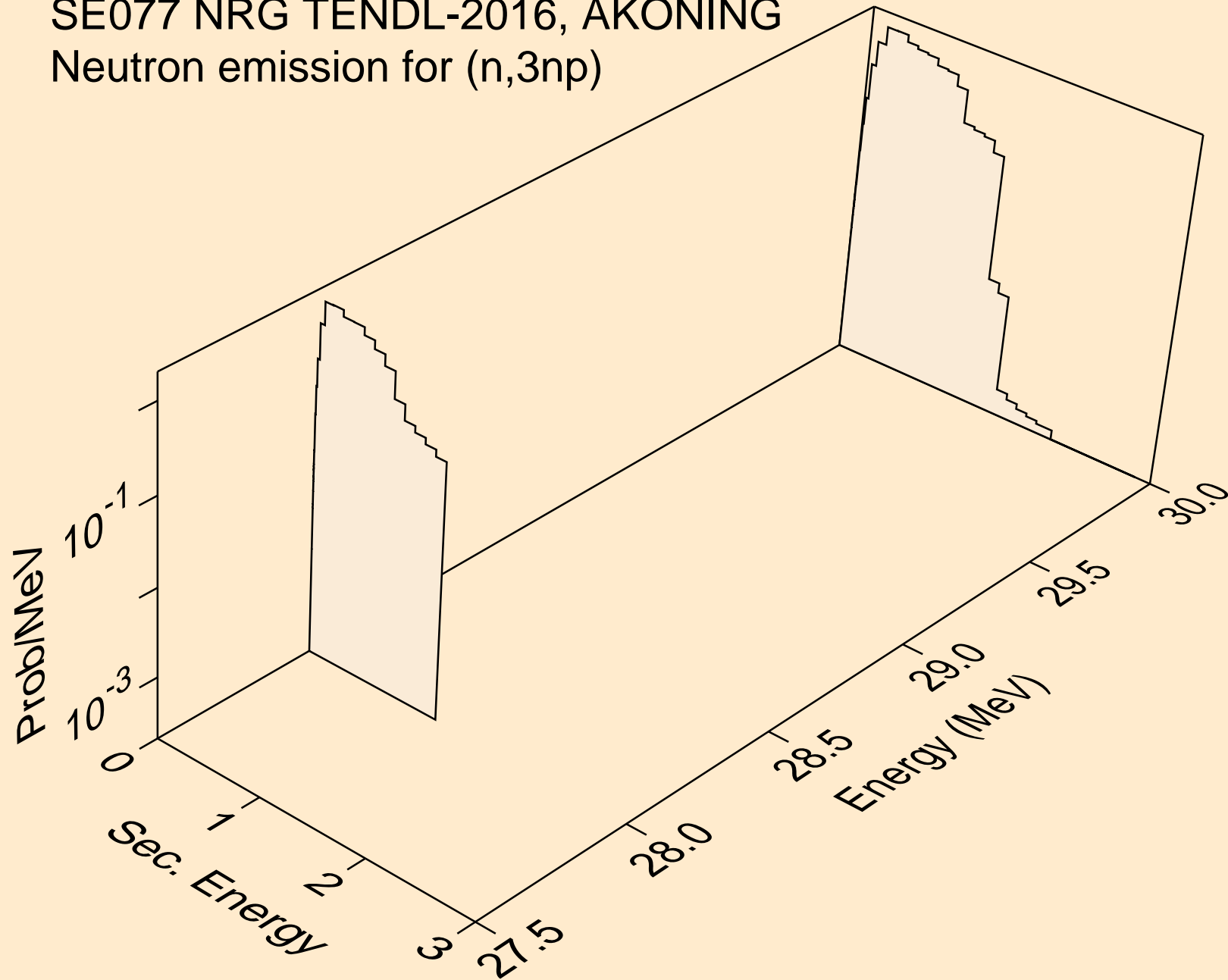
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,4n)



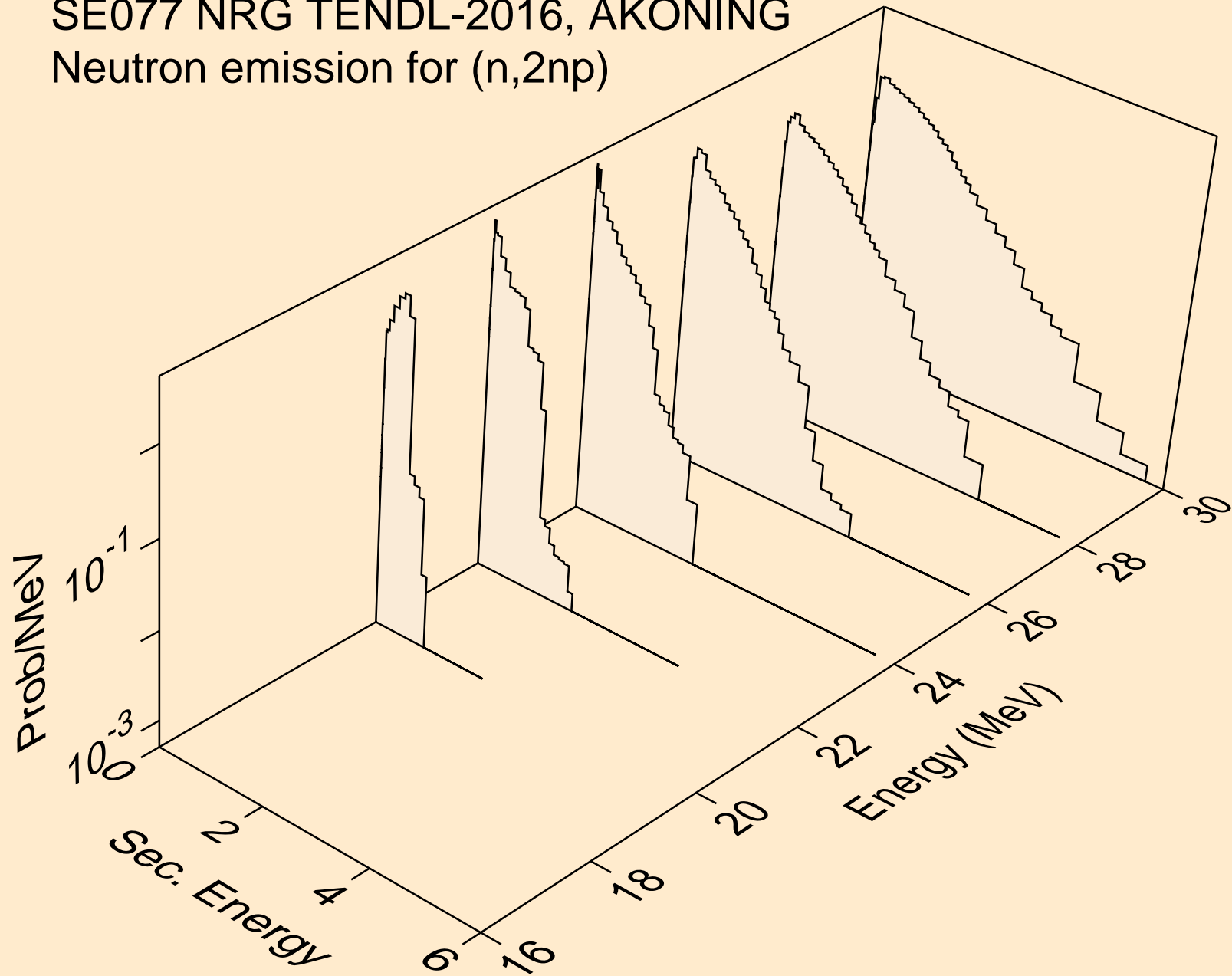
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,2np)



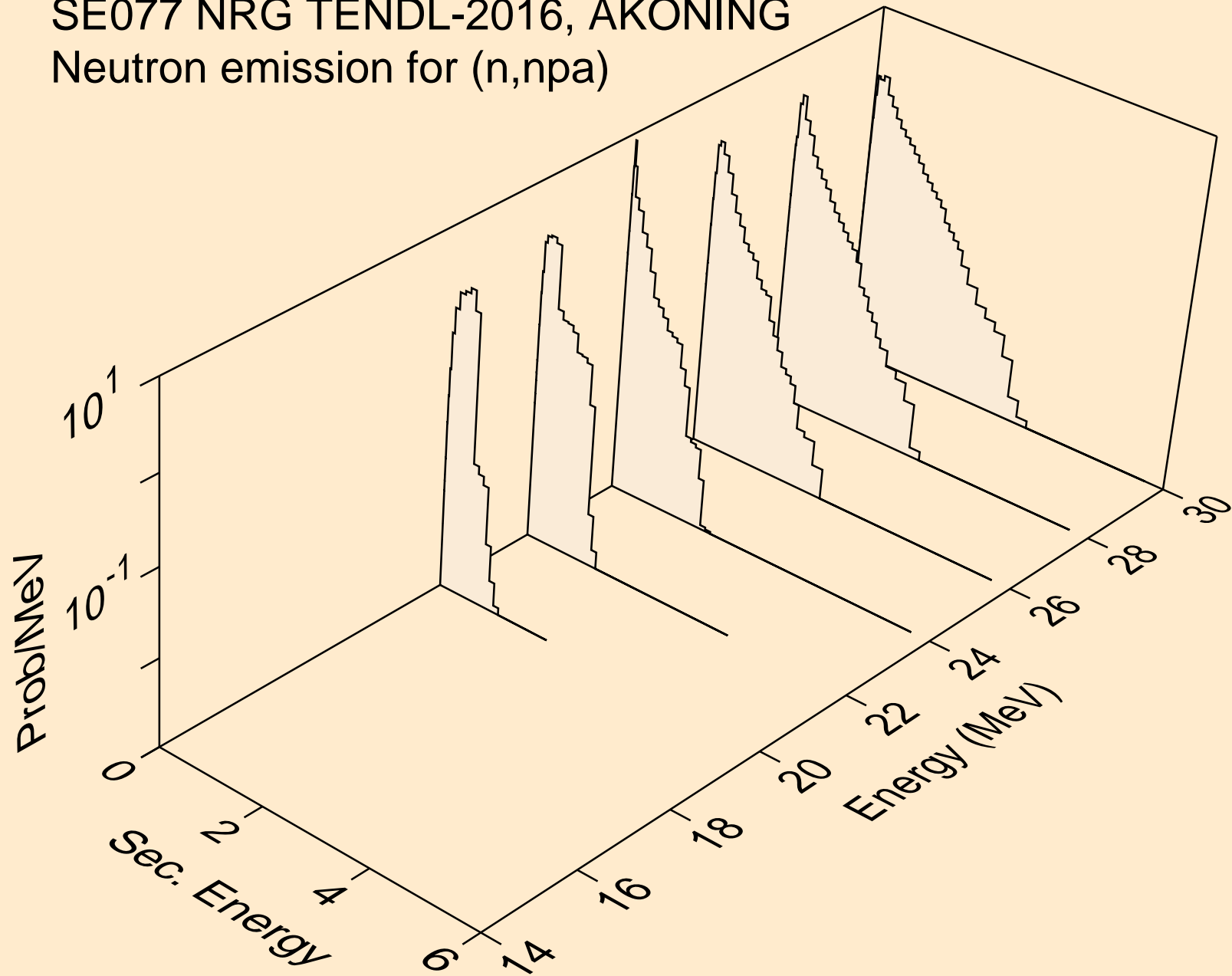
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,3np)



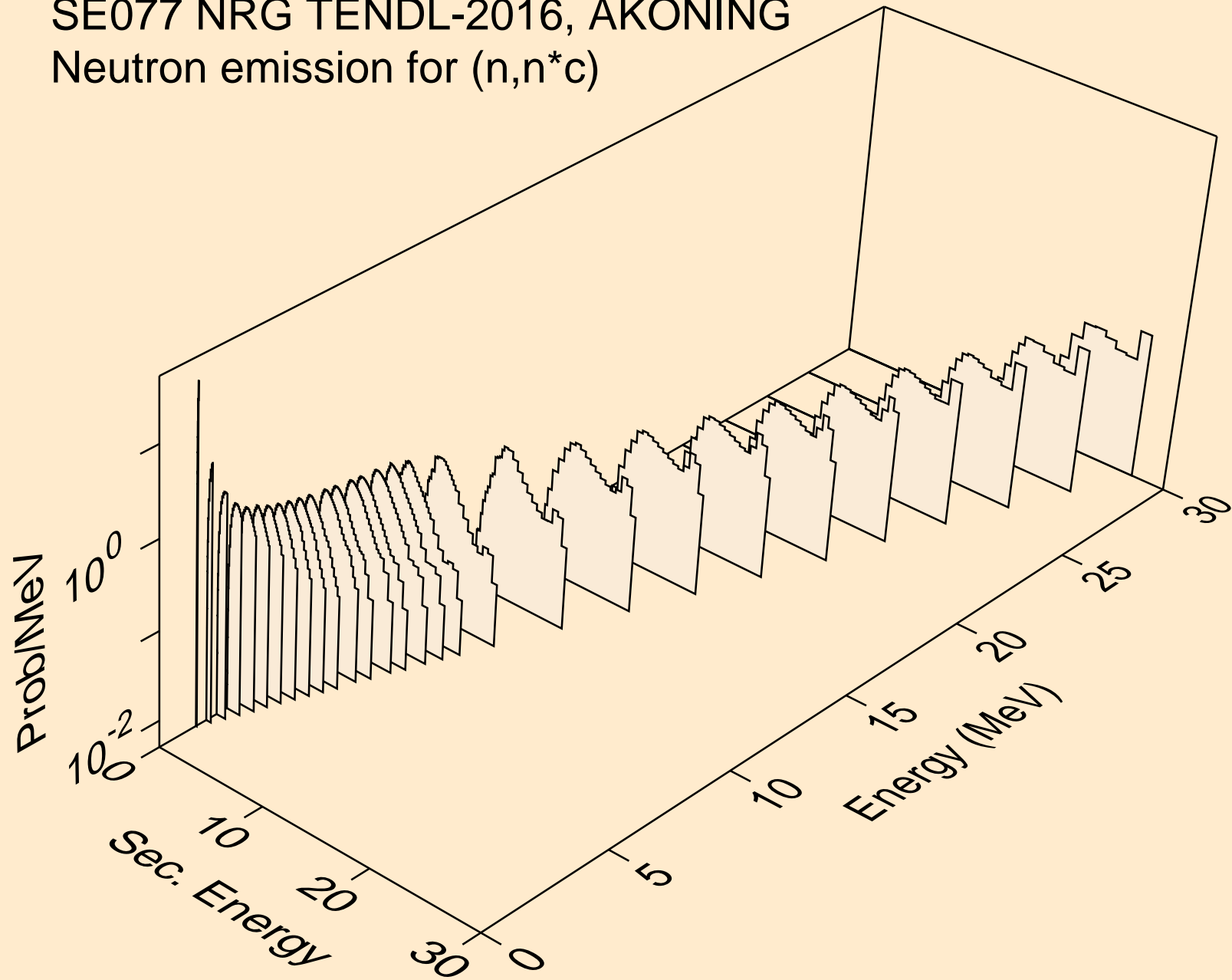
SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,2np)



SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,npa)

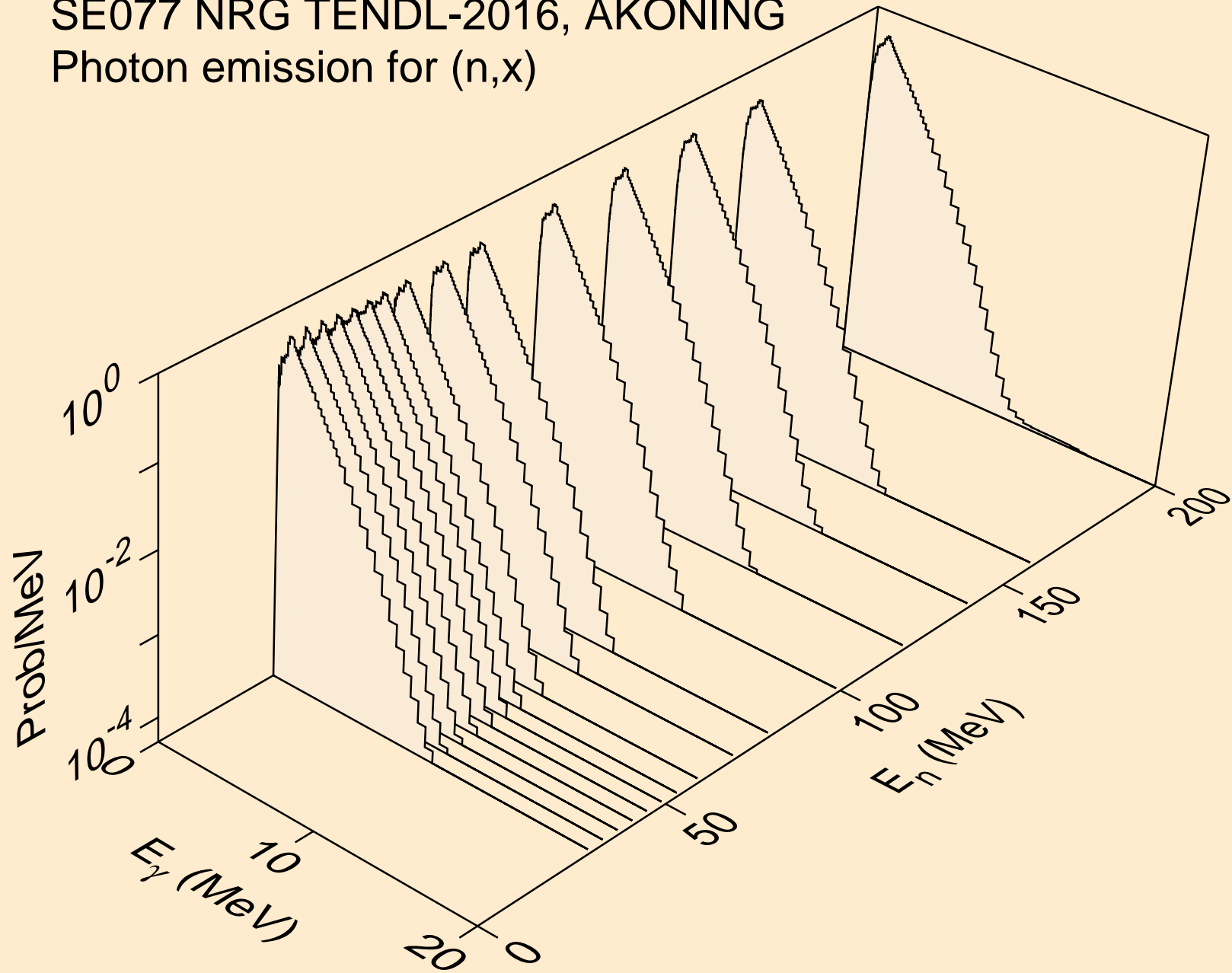


SE077 NRG TENDL-2016, AKONING  
Neutron emission for (n,n\*c)

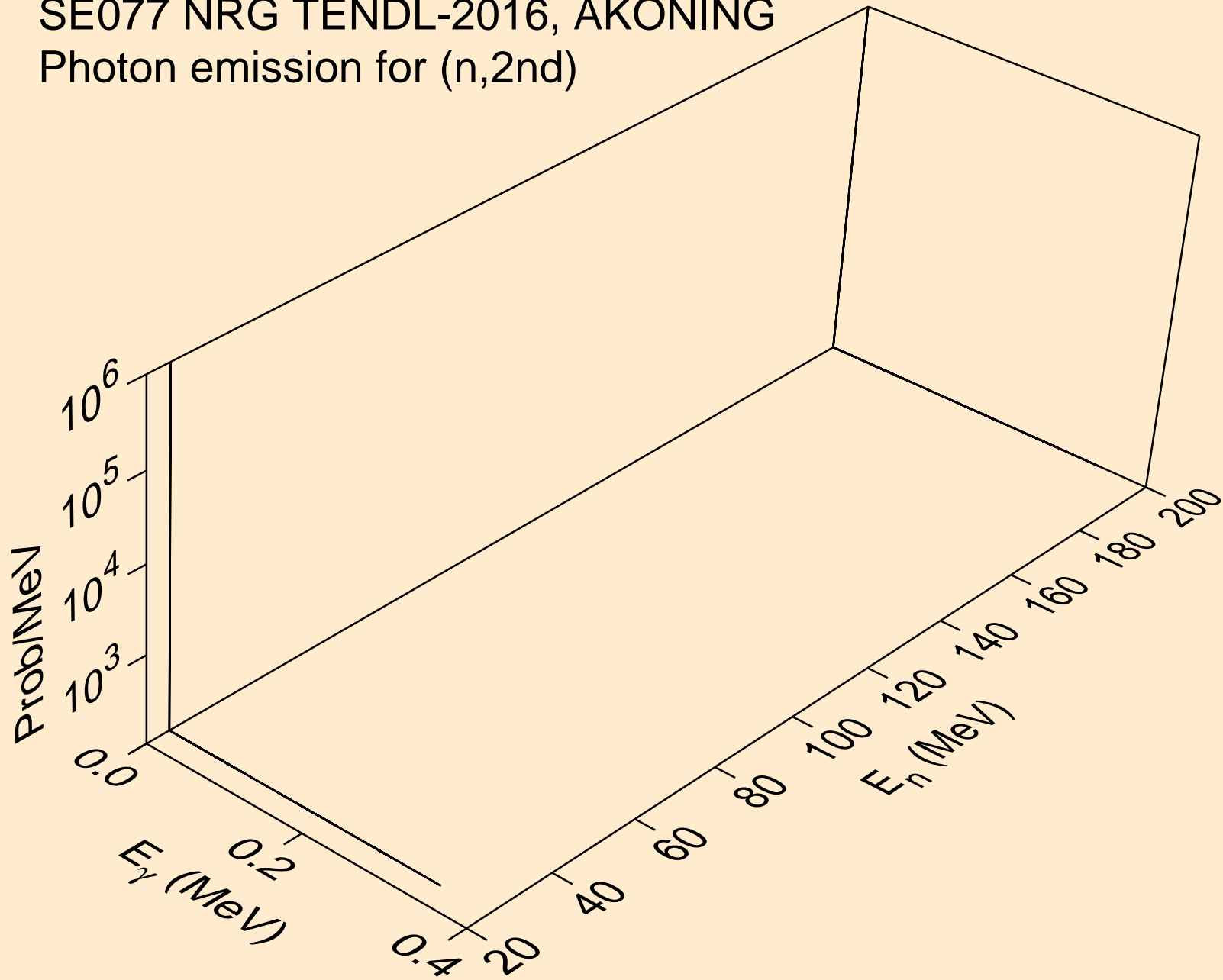




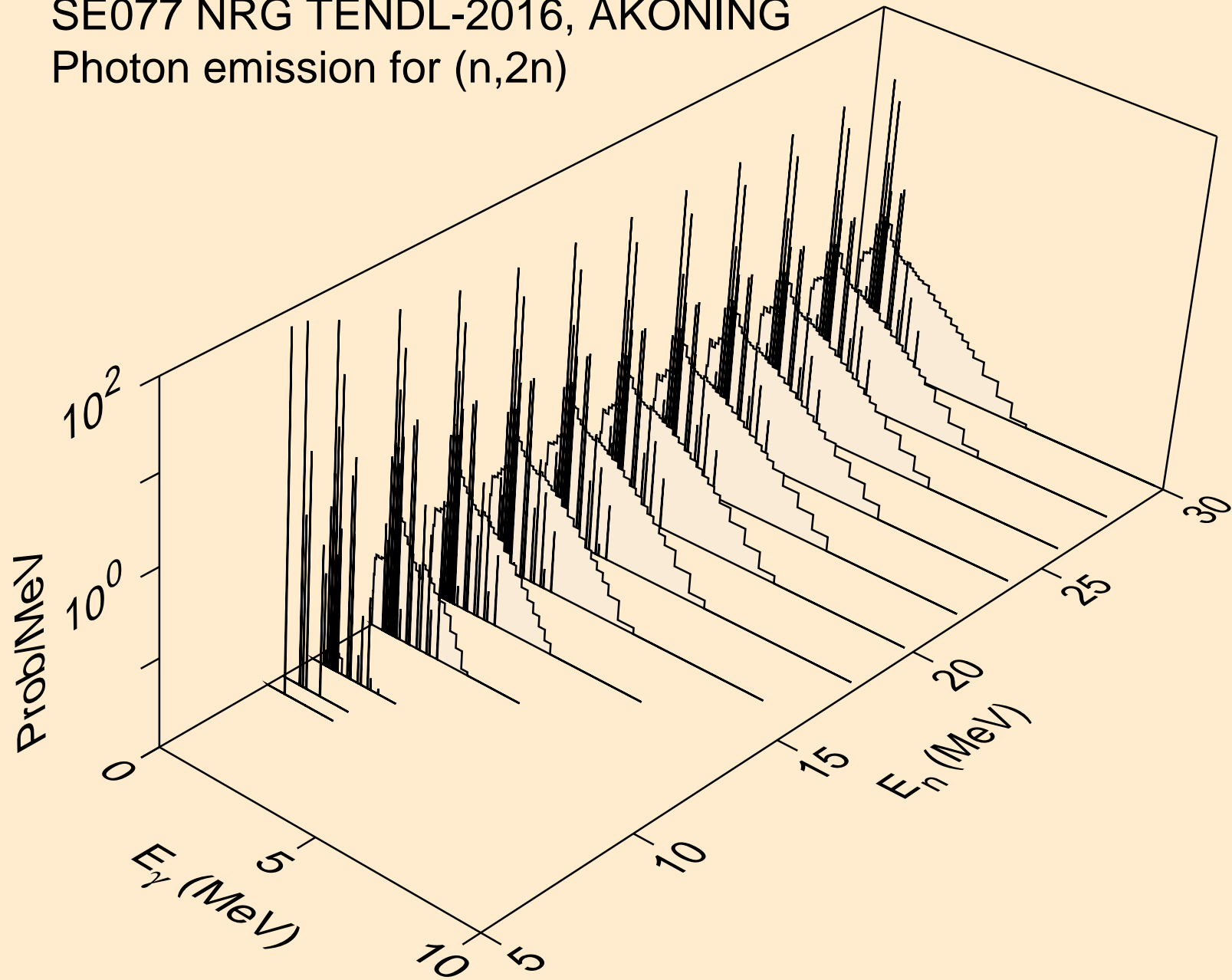
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,x)



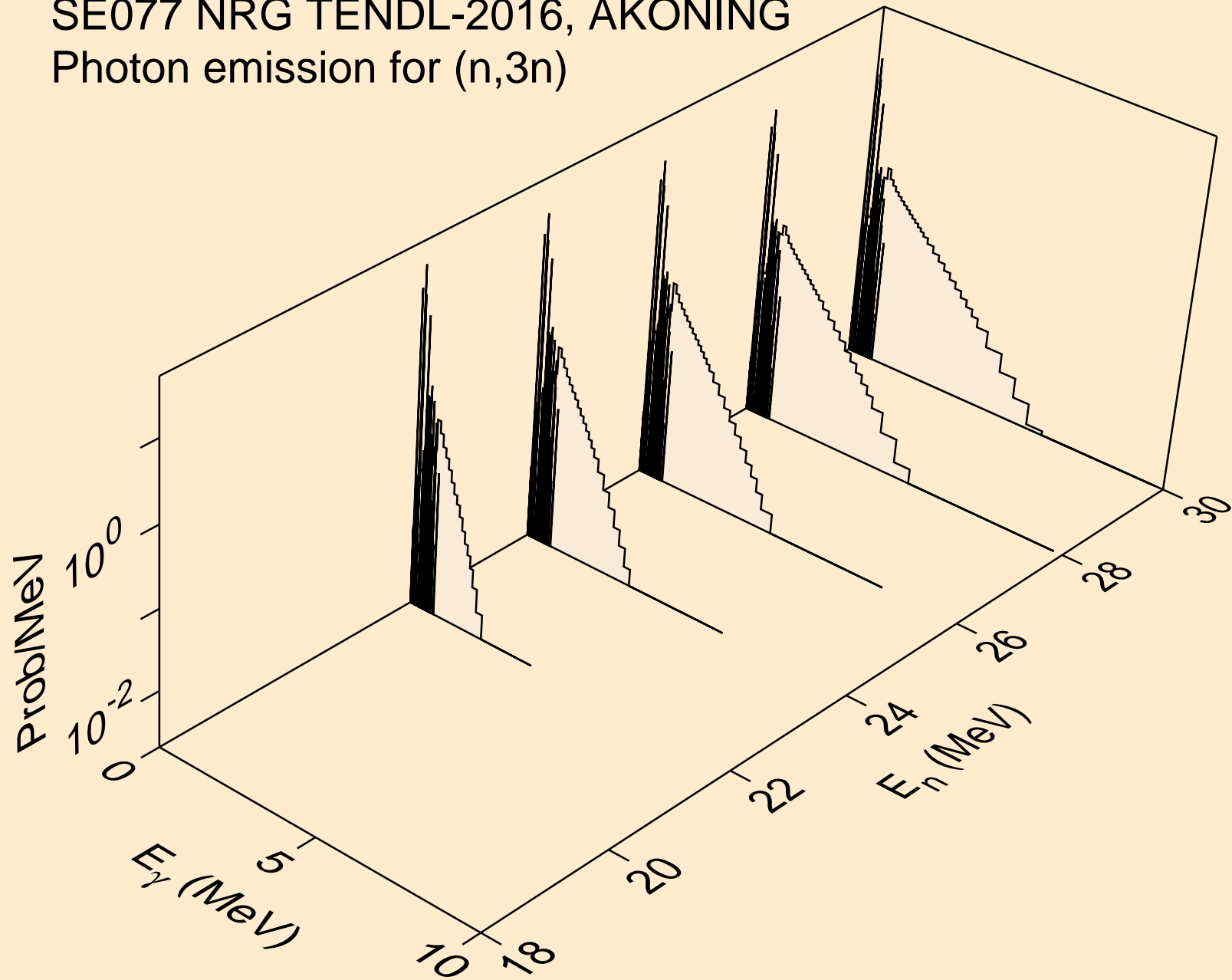
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,2nd)



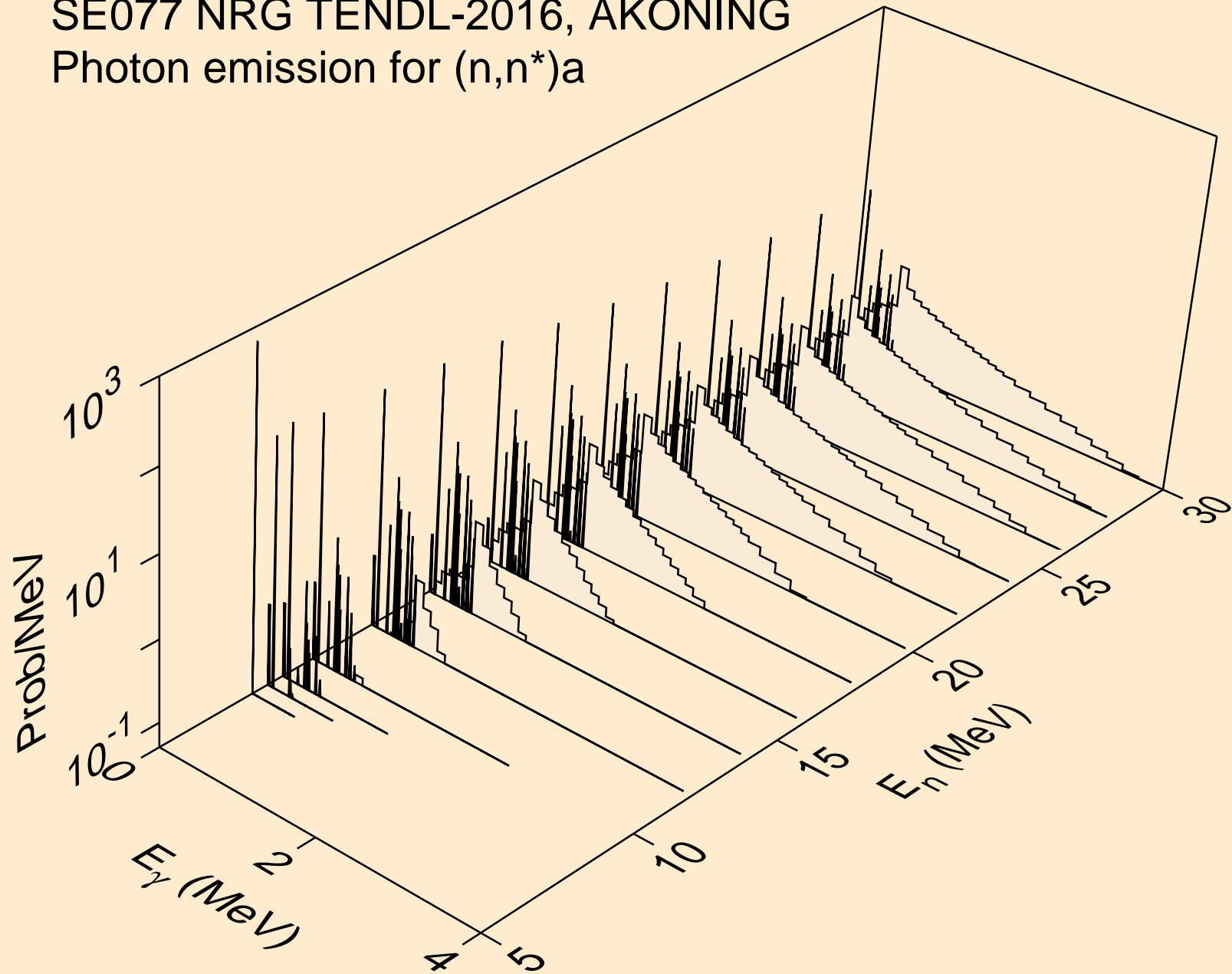
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,2n)



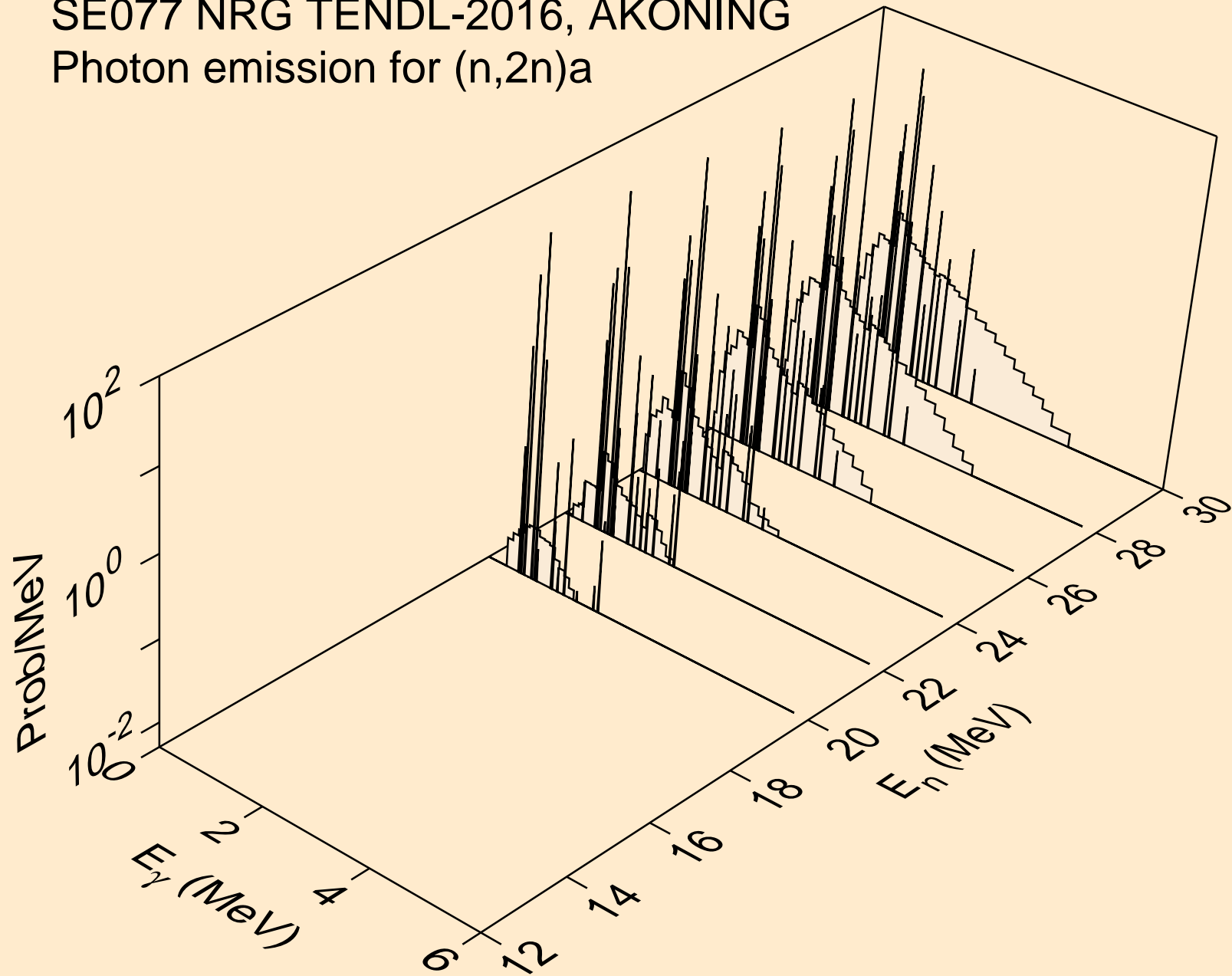
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,3n)



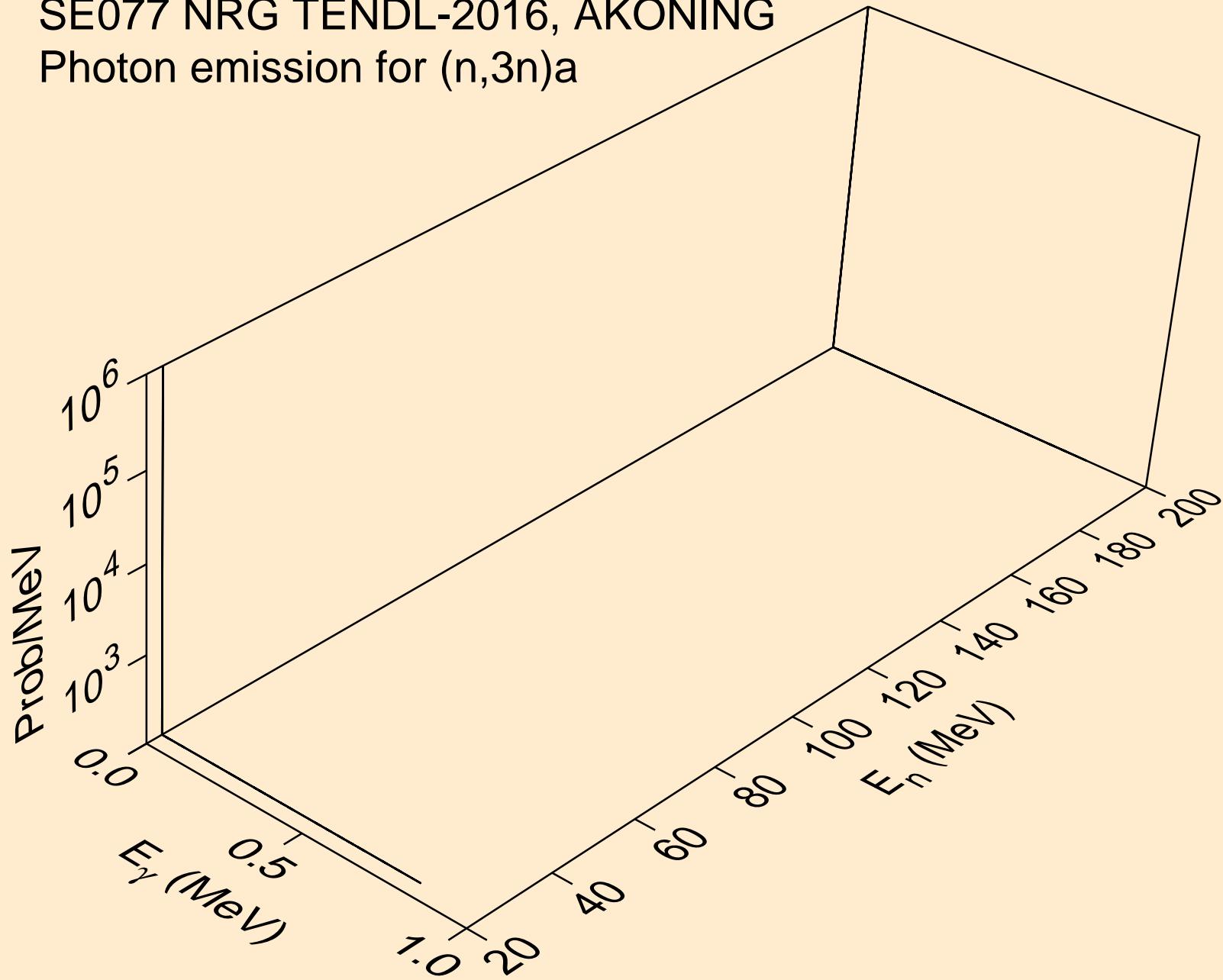
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,n\*)a



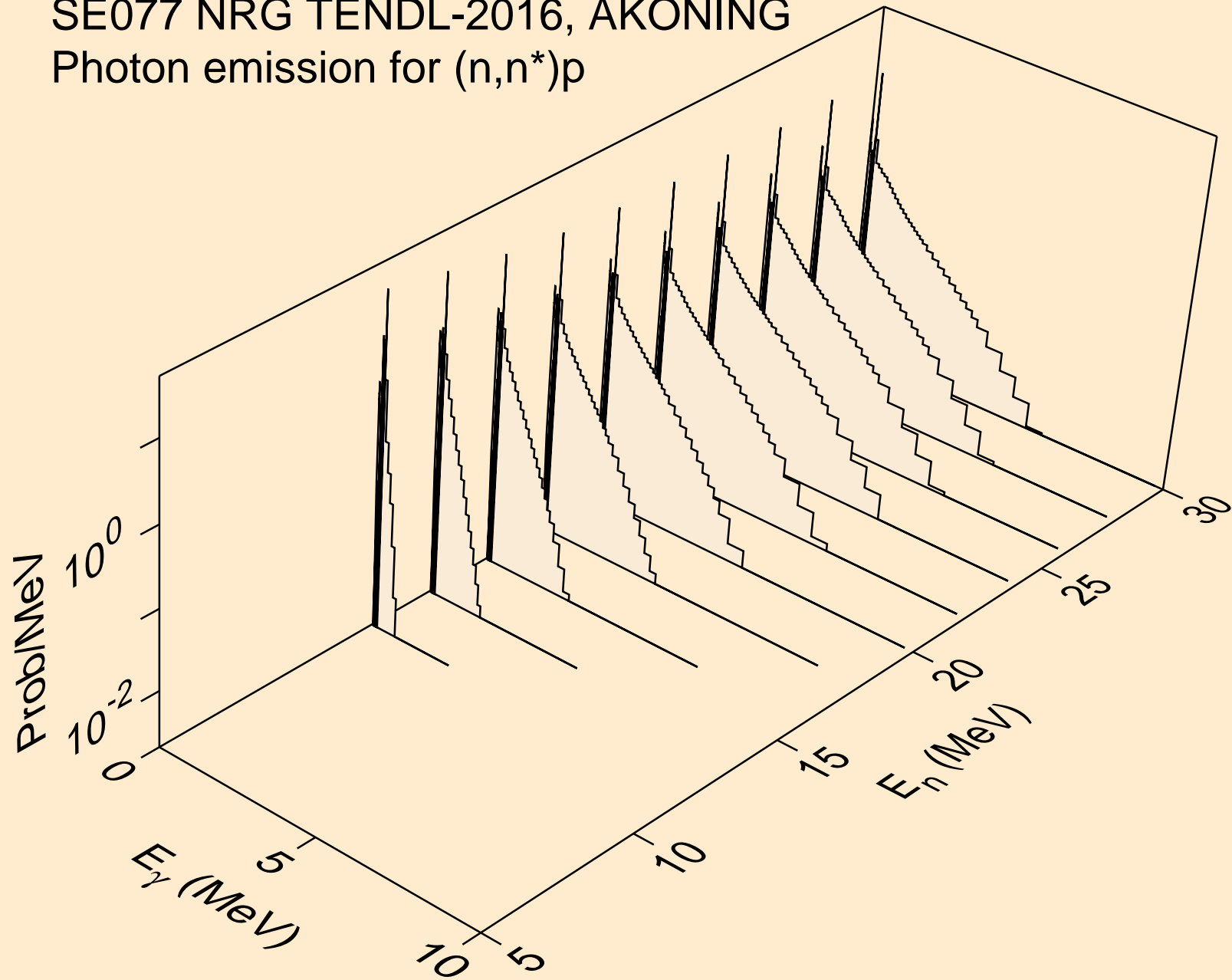
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,2n)a



SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,3n)a

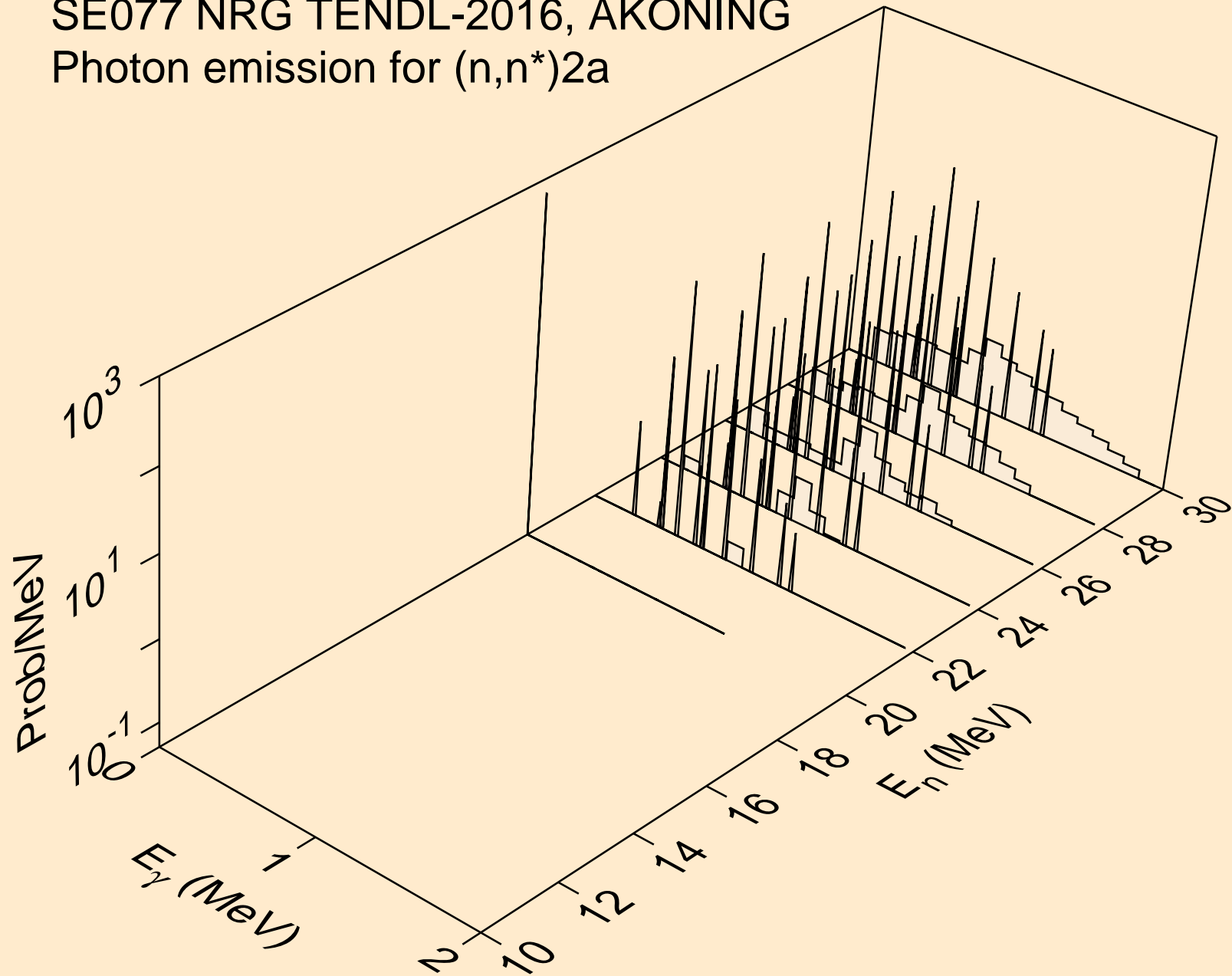


SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,n\*)p

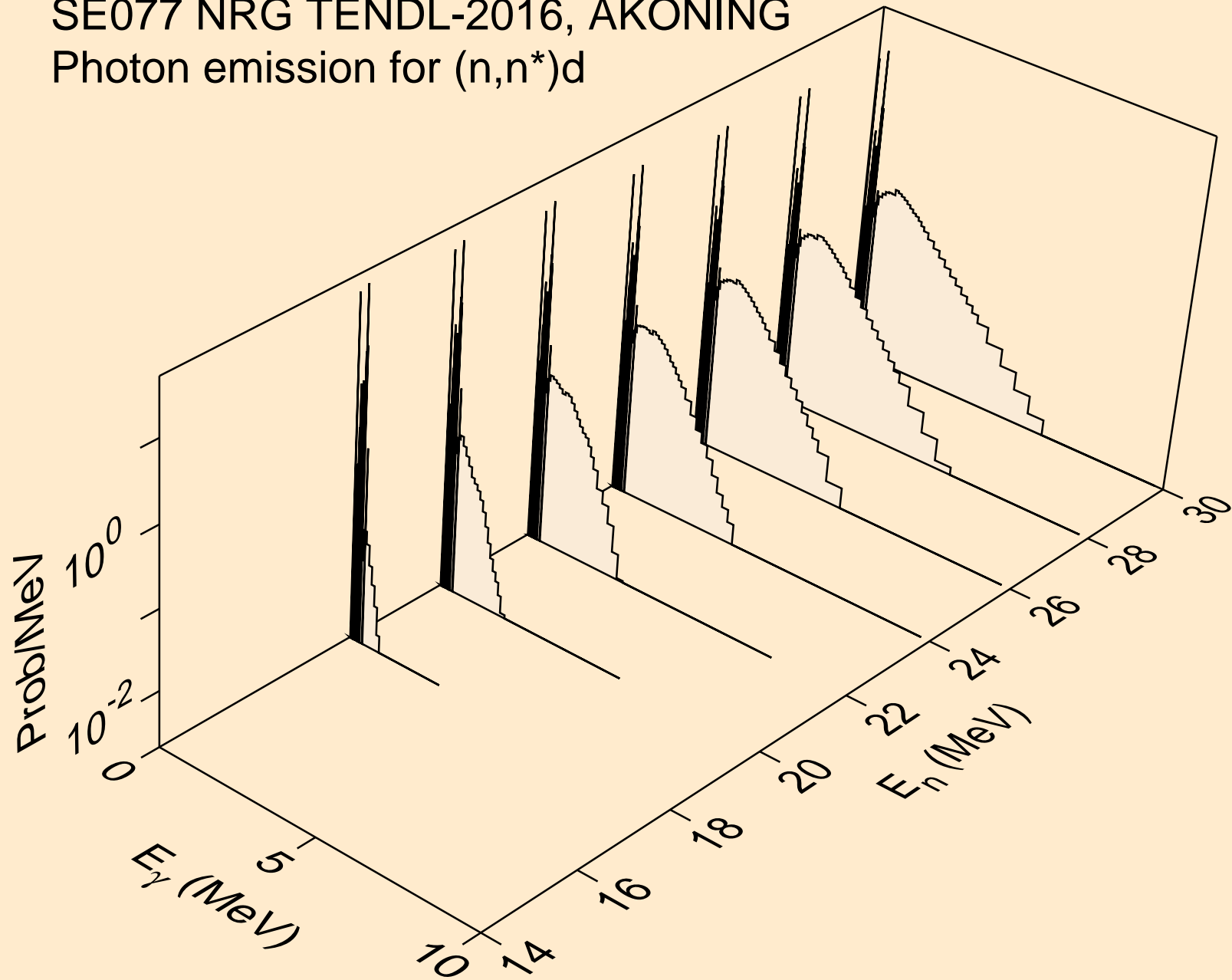




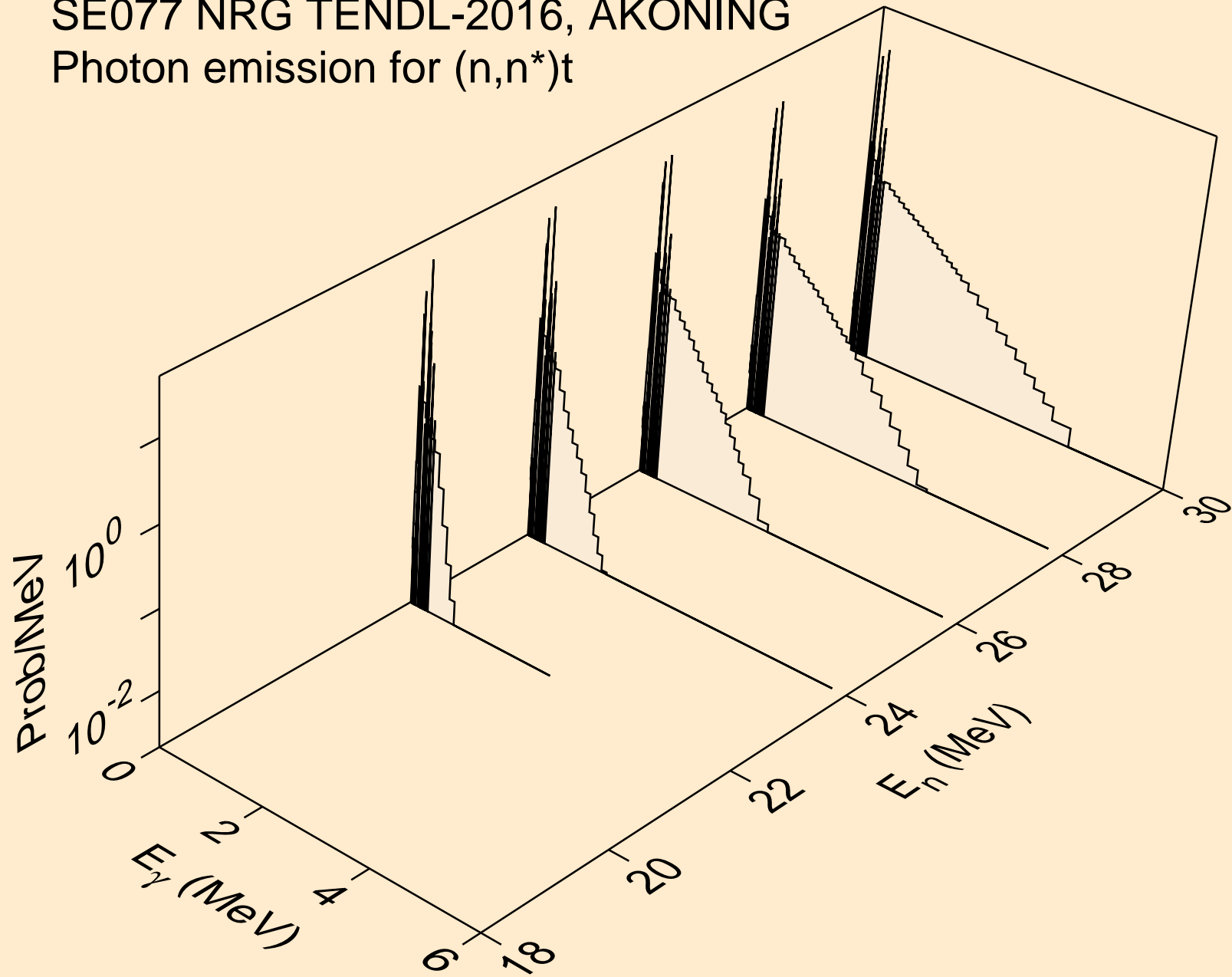
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,n\*)2a



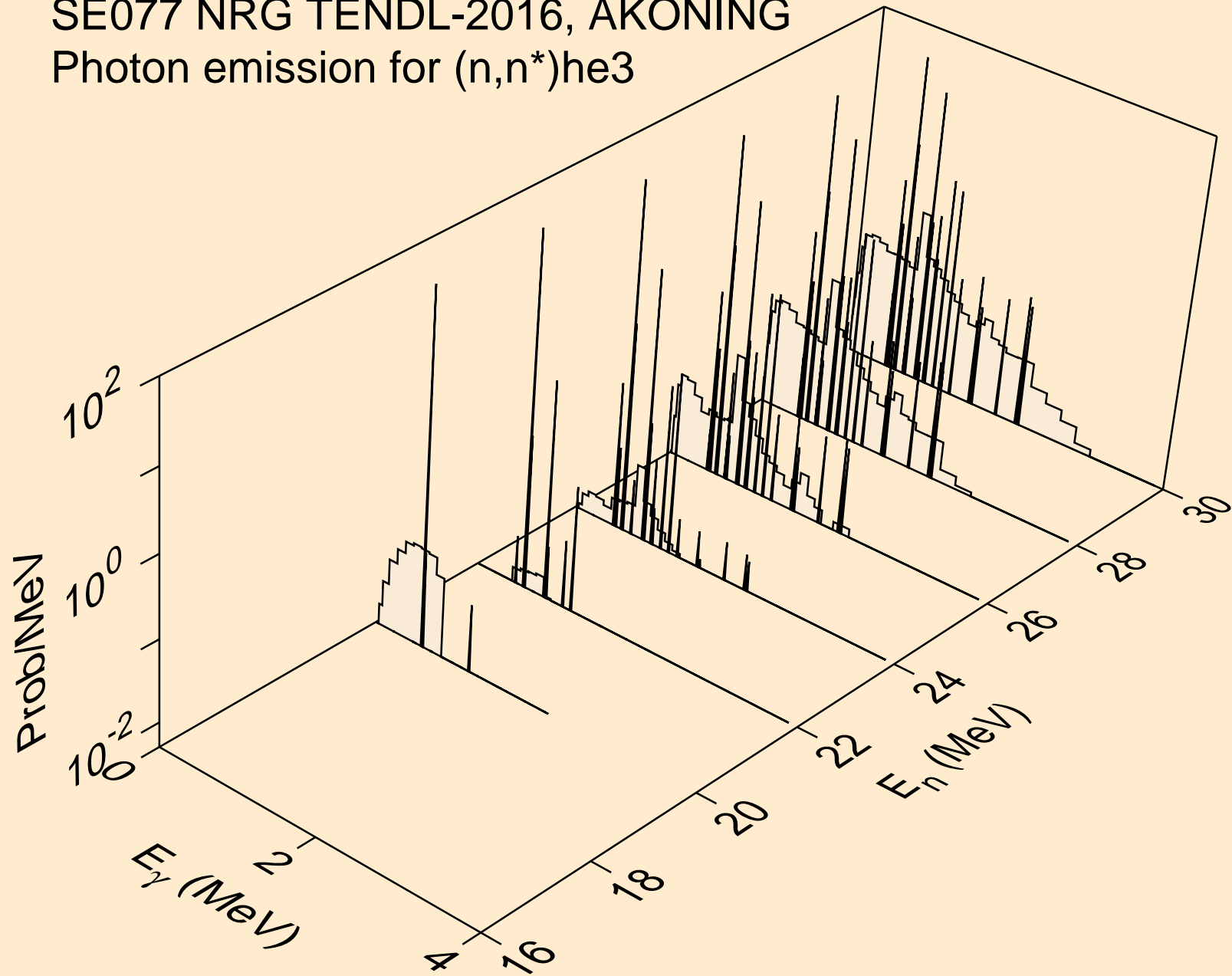
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,n\*)d



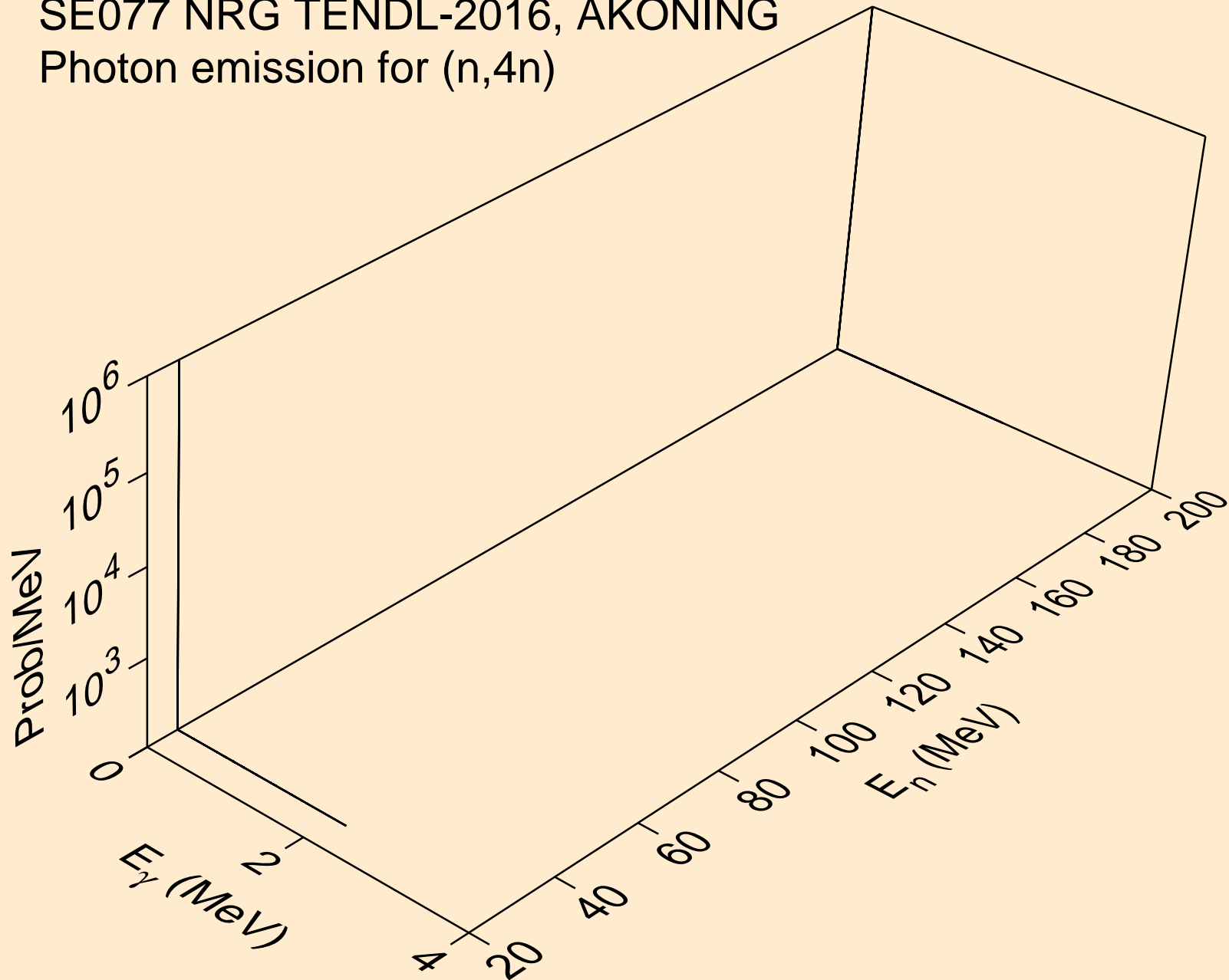
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,n\*)t



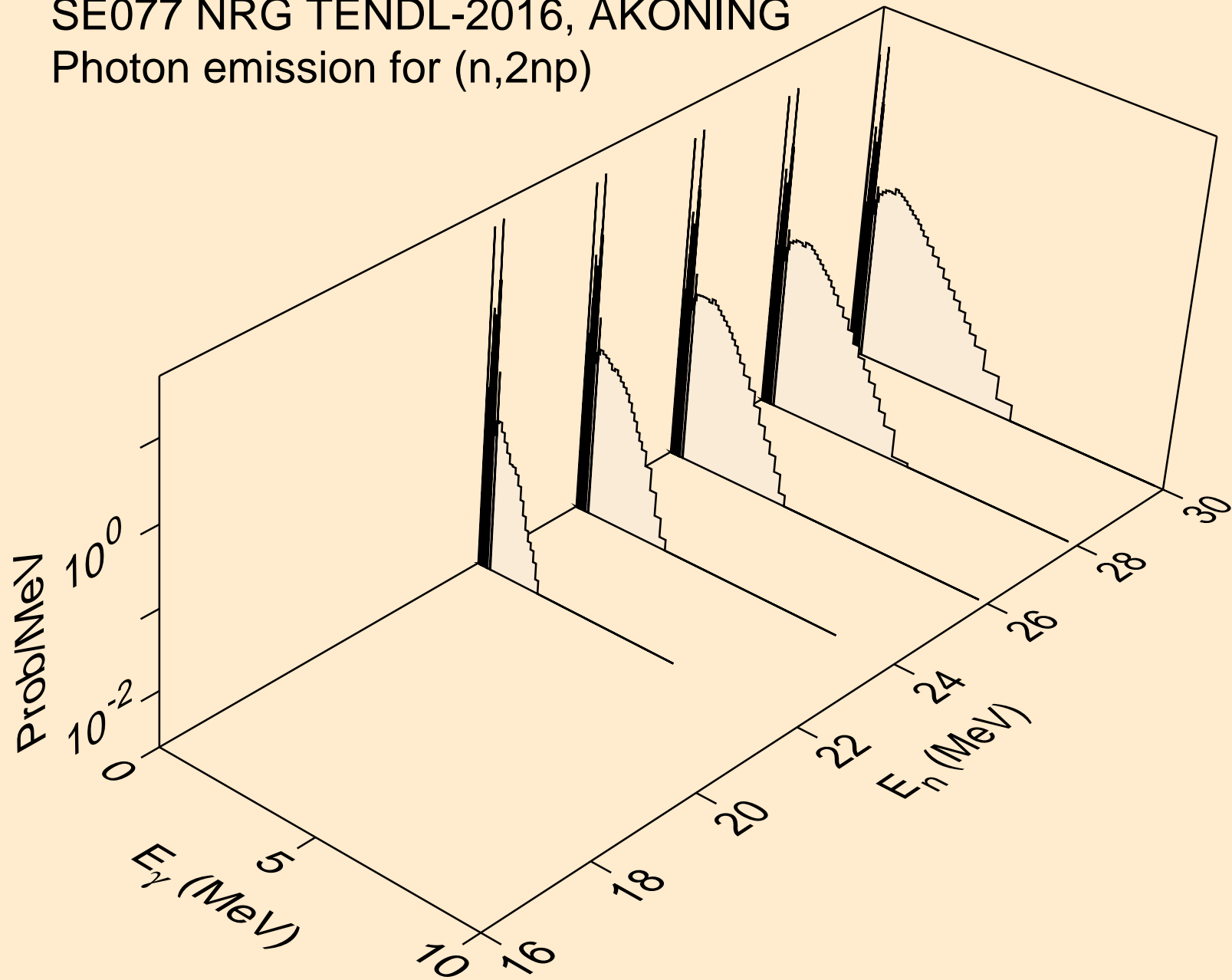
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,n\*)he3



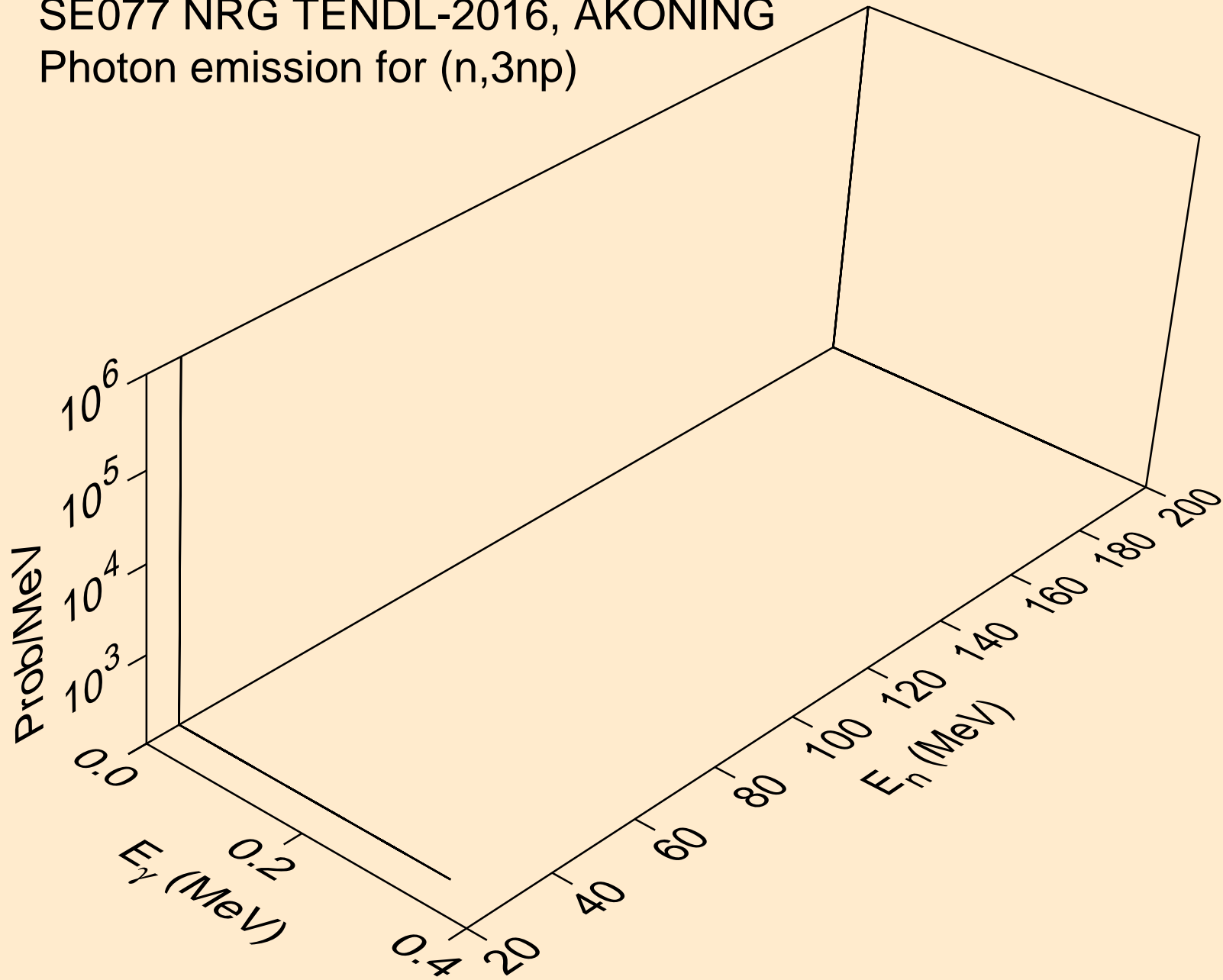
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Photon emission for (n,4n)



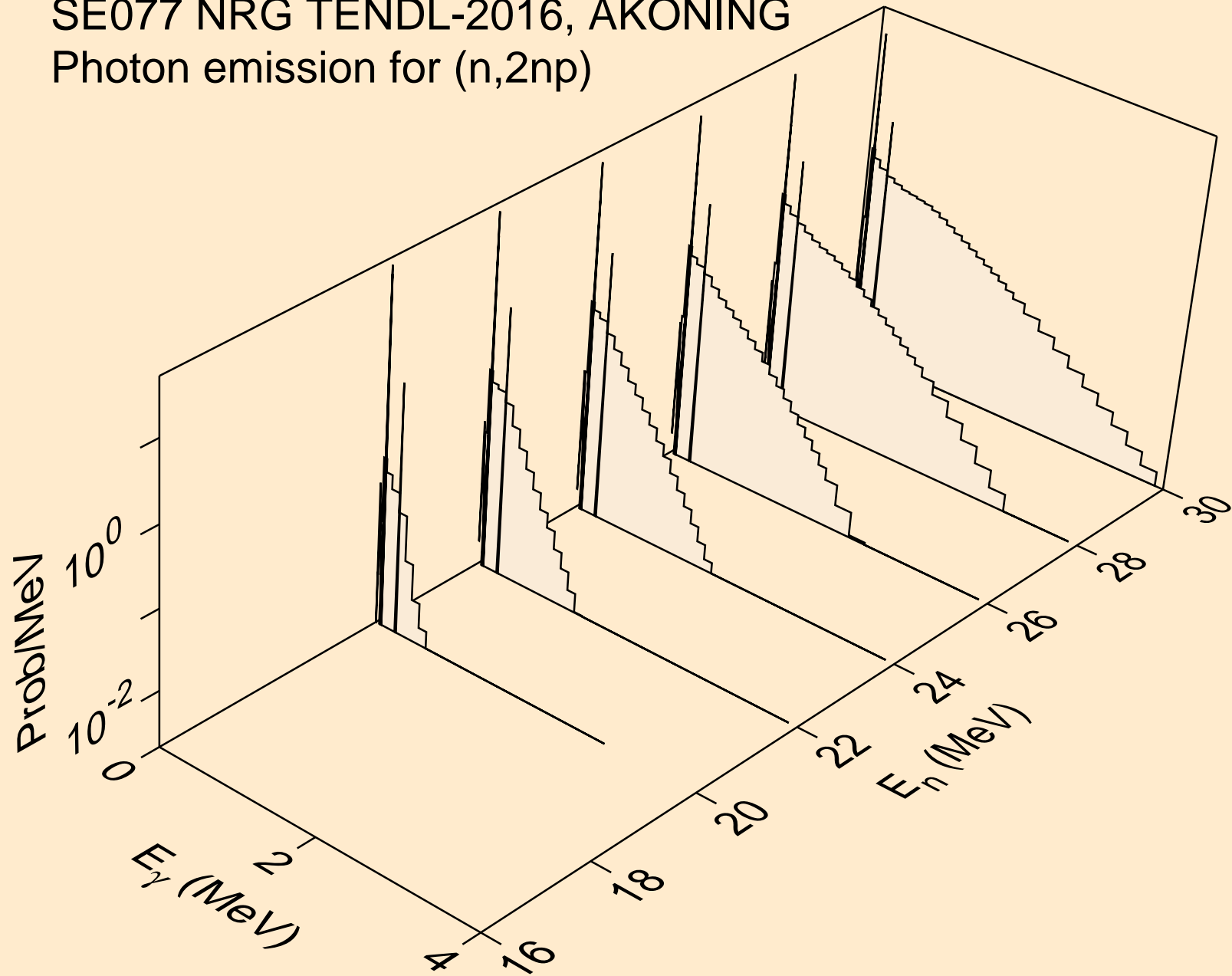
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,2np)



SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,3np)

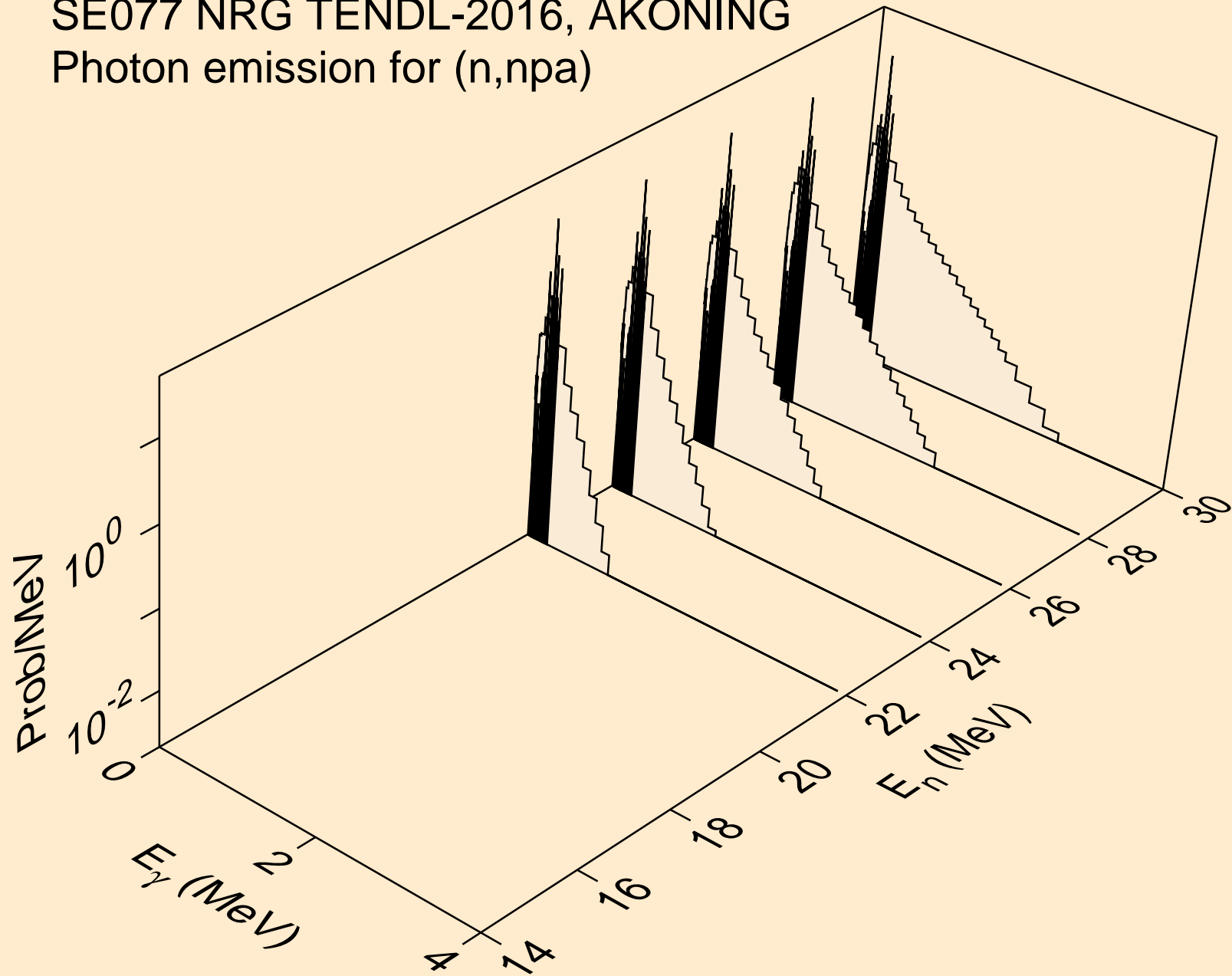


SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,2np)

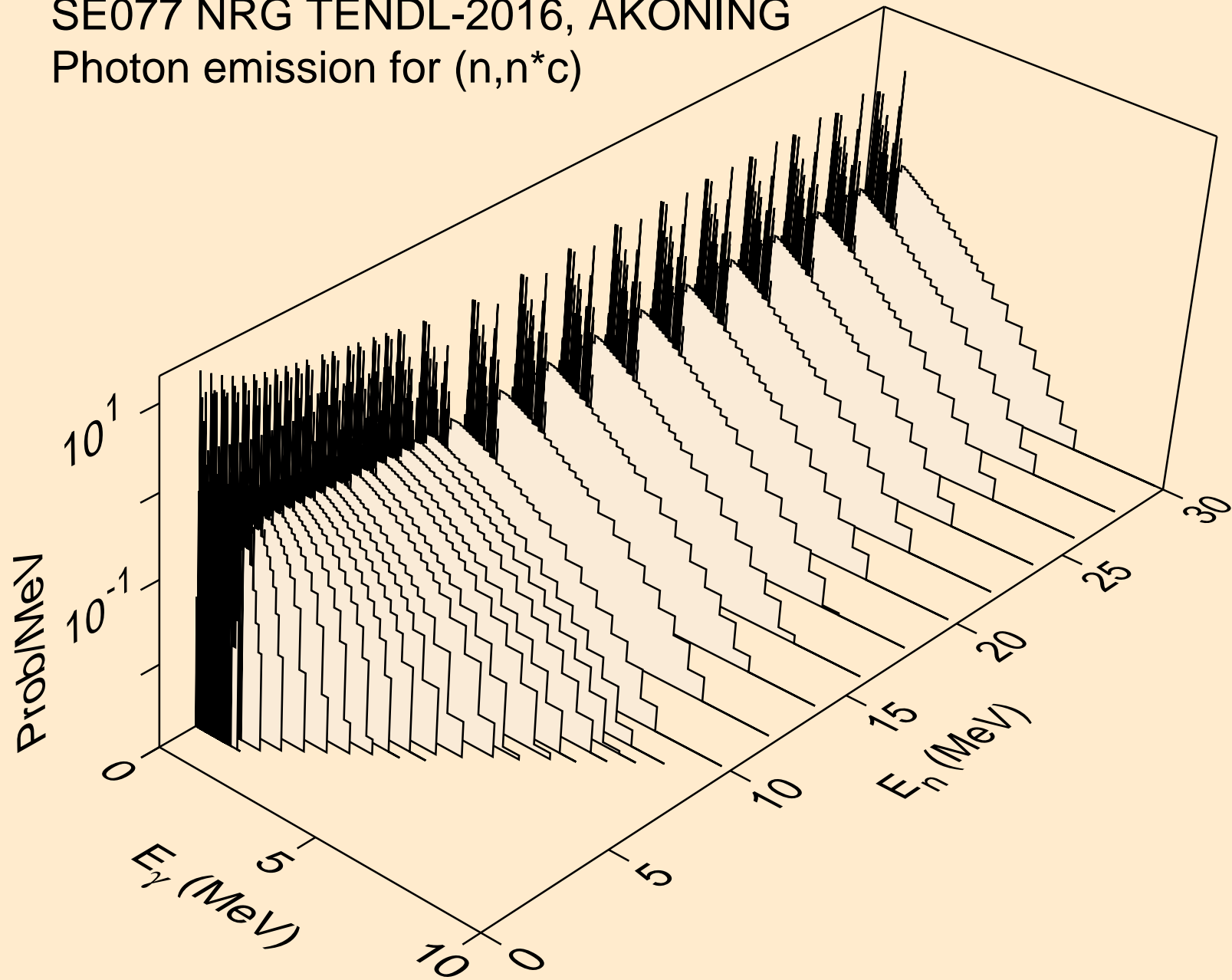




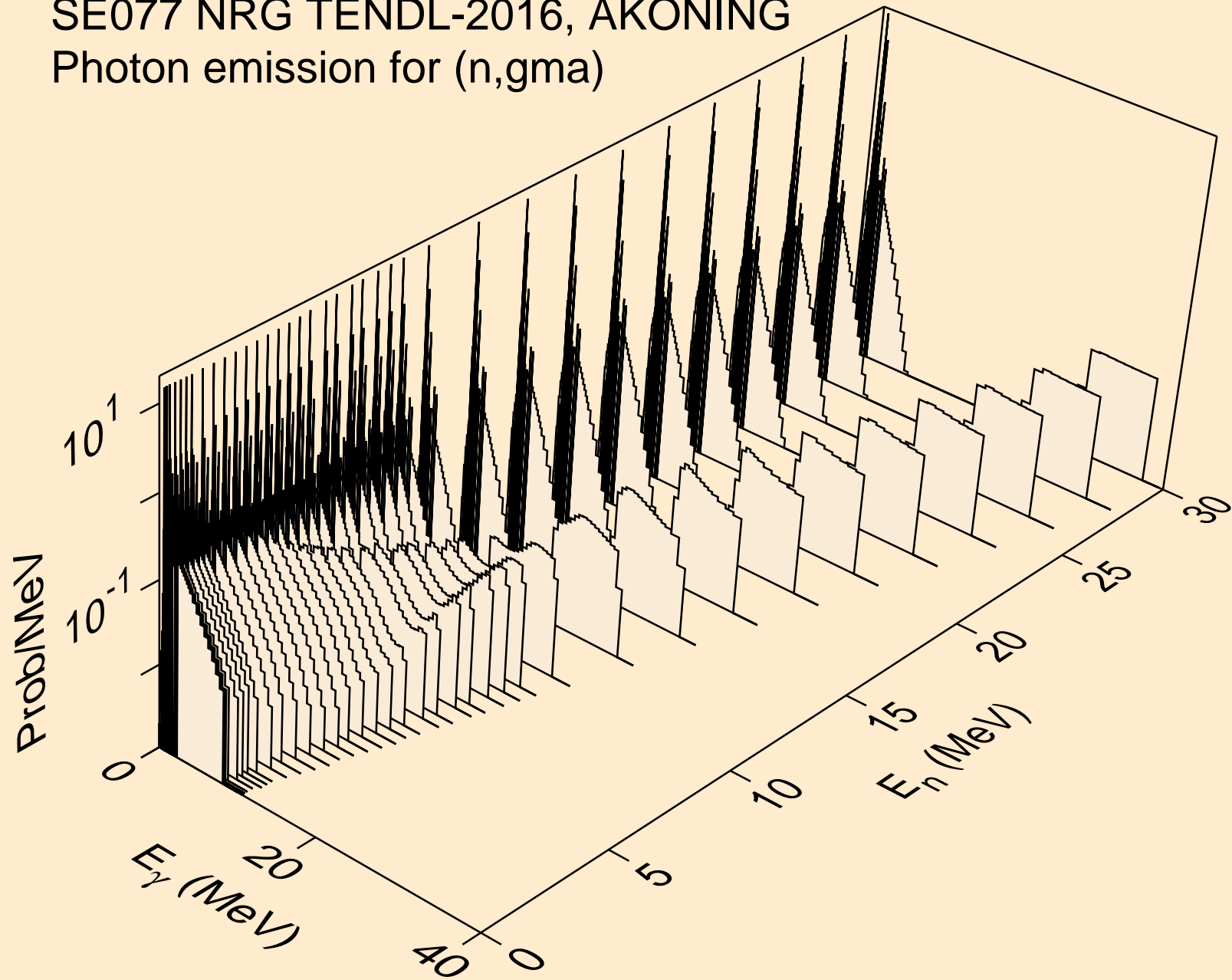
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Photon emission for (n,npa)



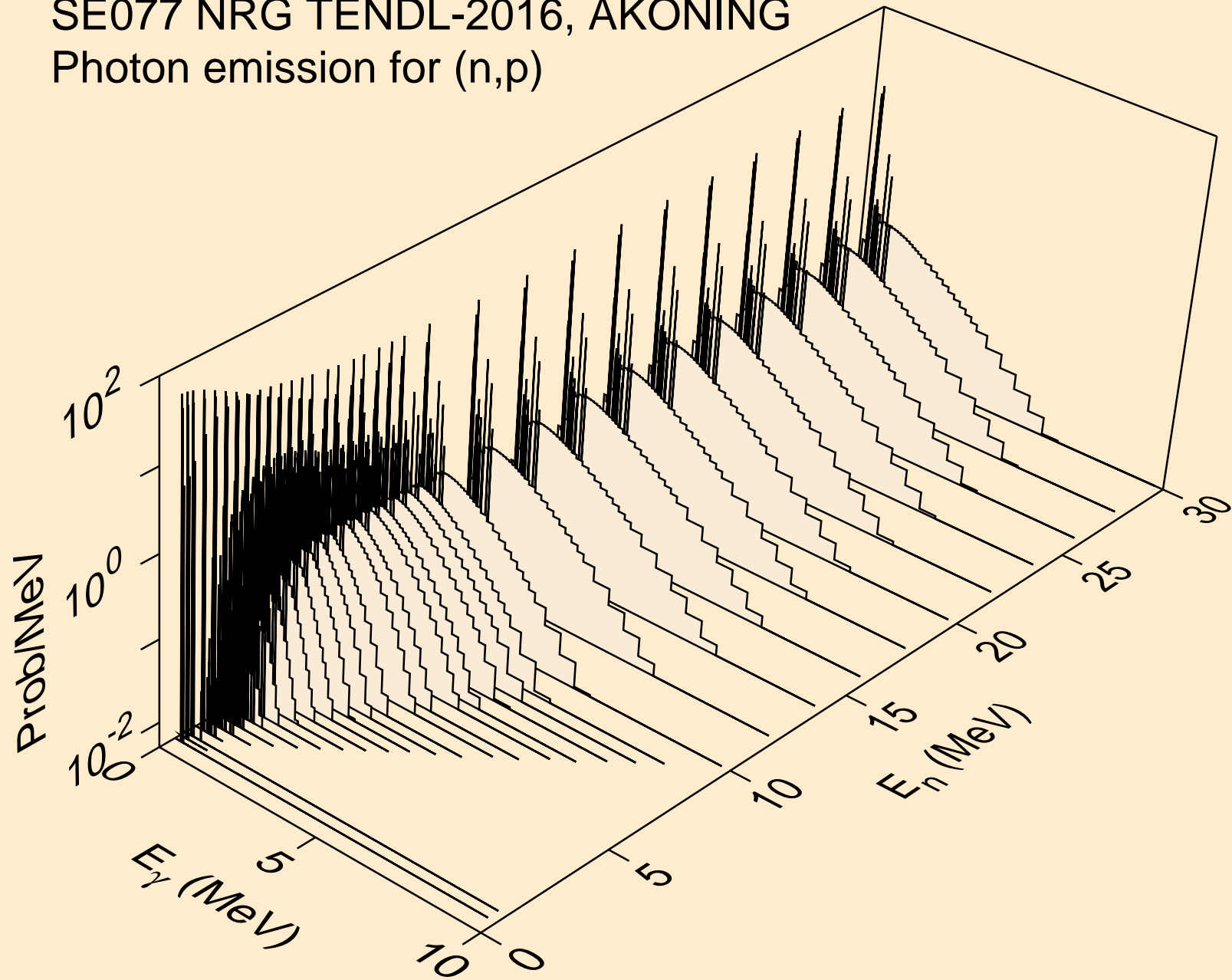
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Photon emission for (n,n\*c)



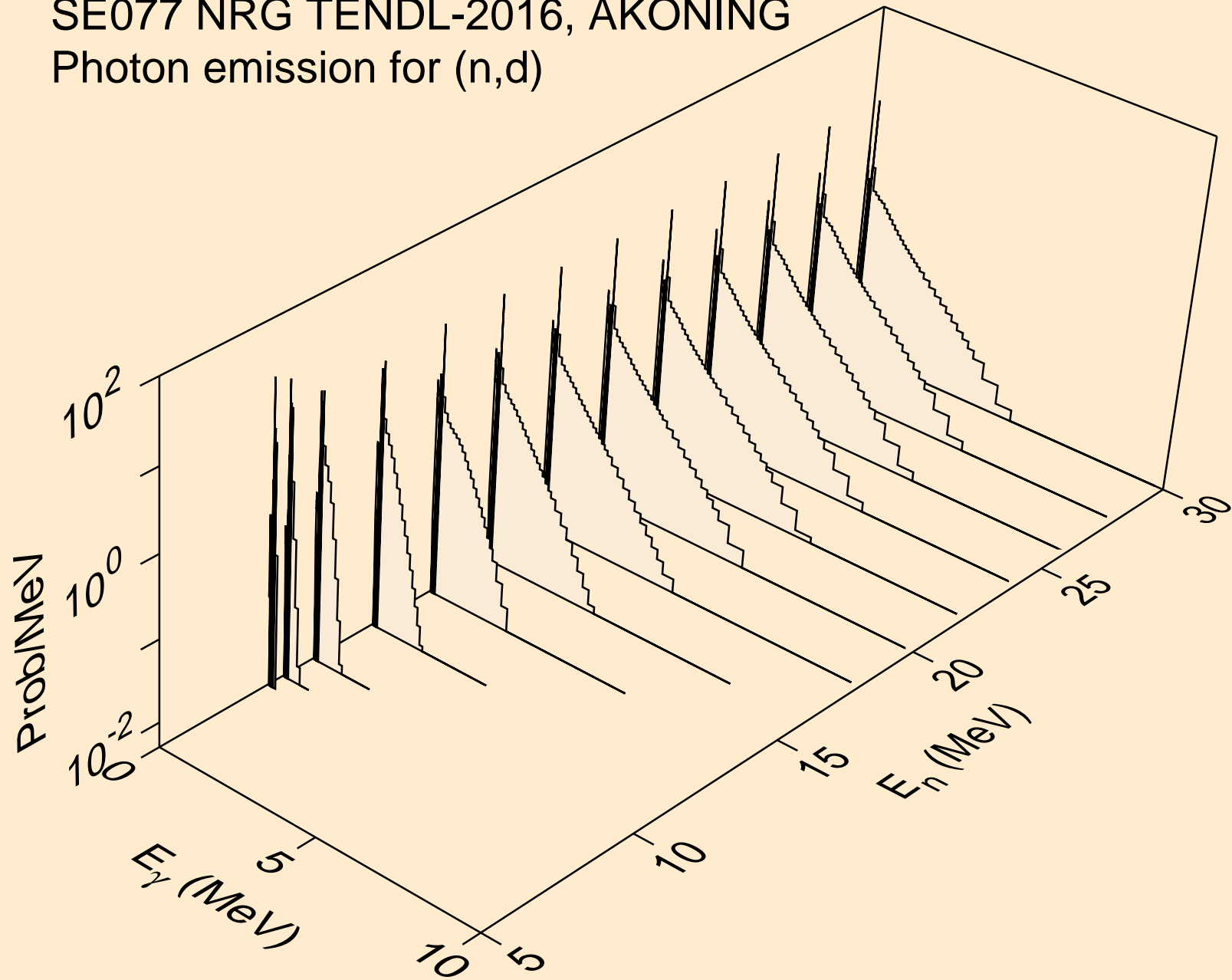
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Photon emission for (n,gma)



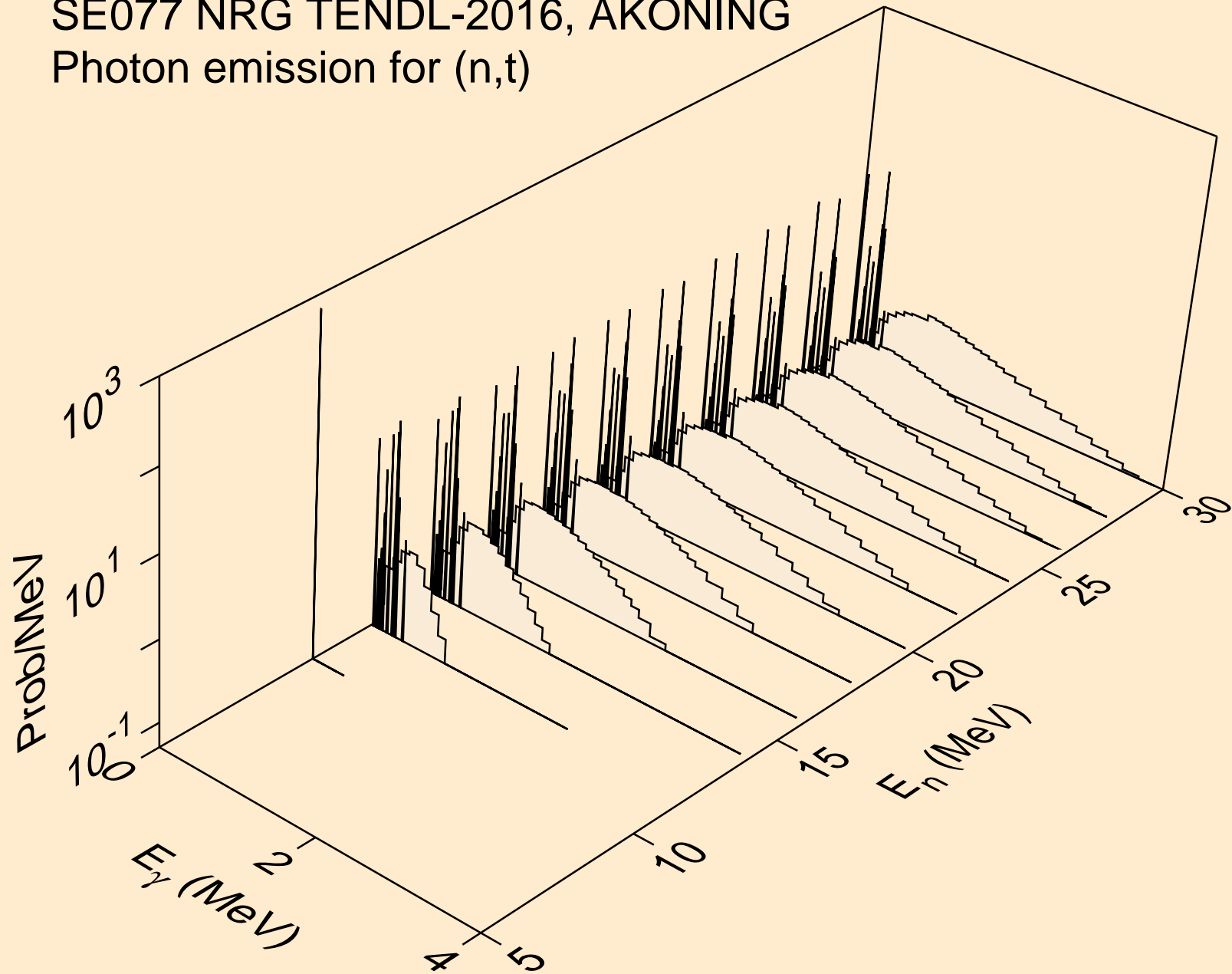
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,p)



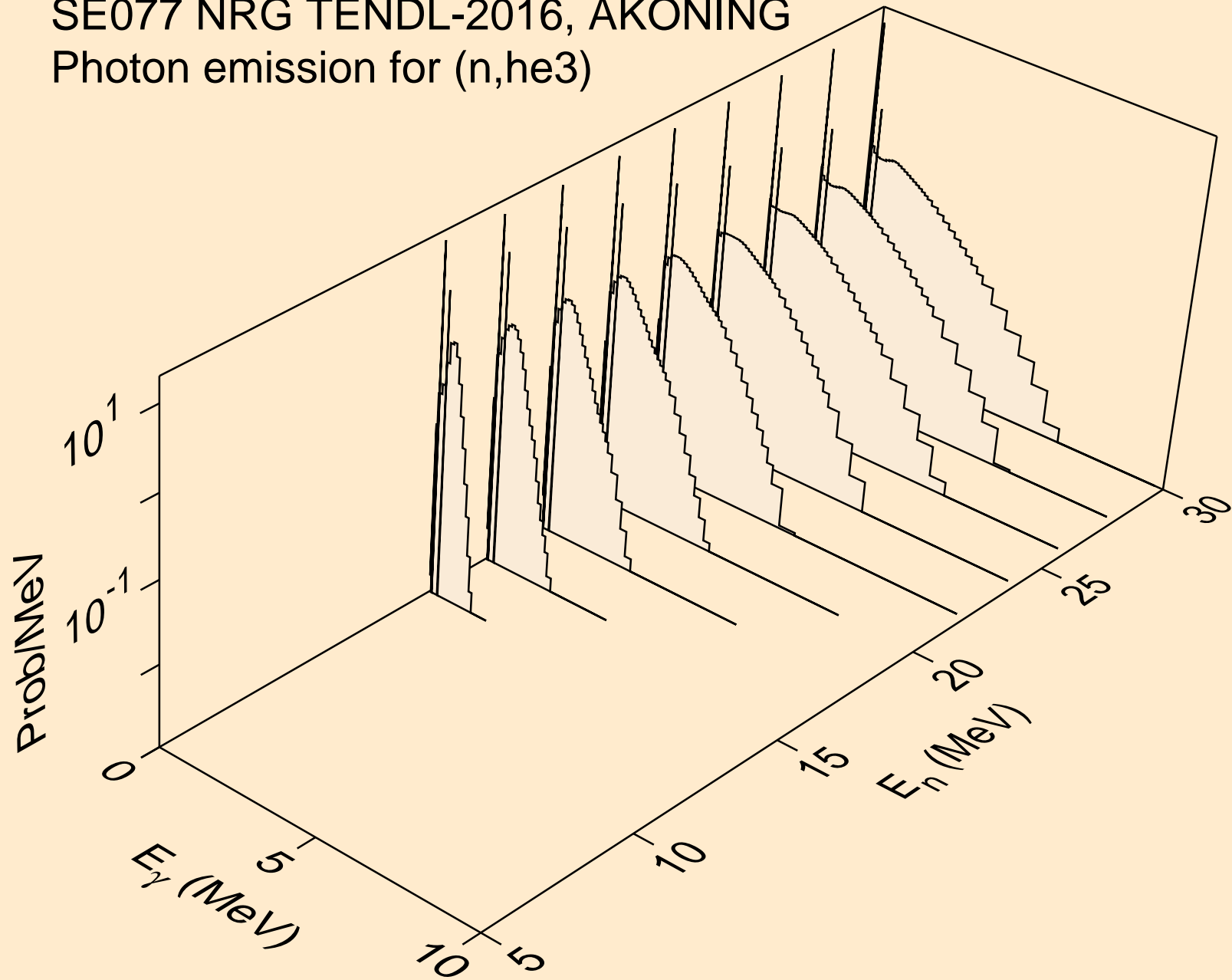
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,d)



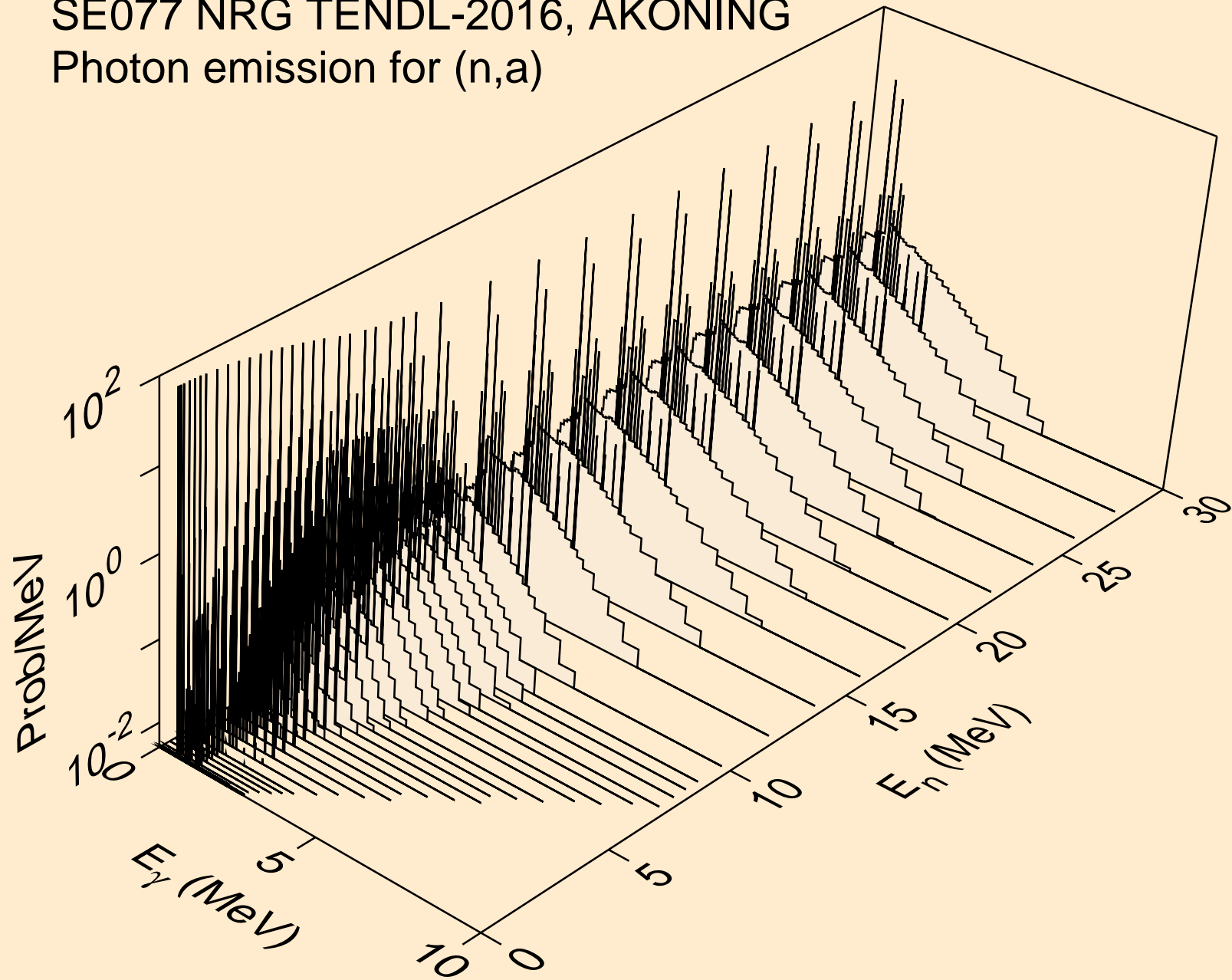
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,t)



SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,he3)

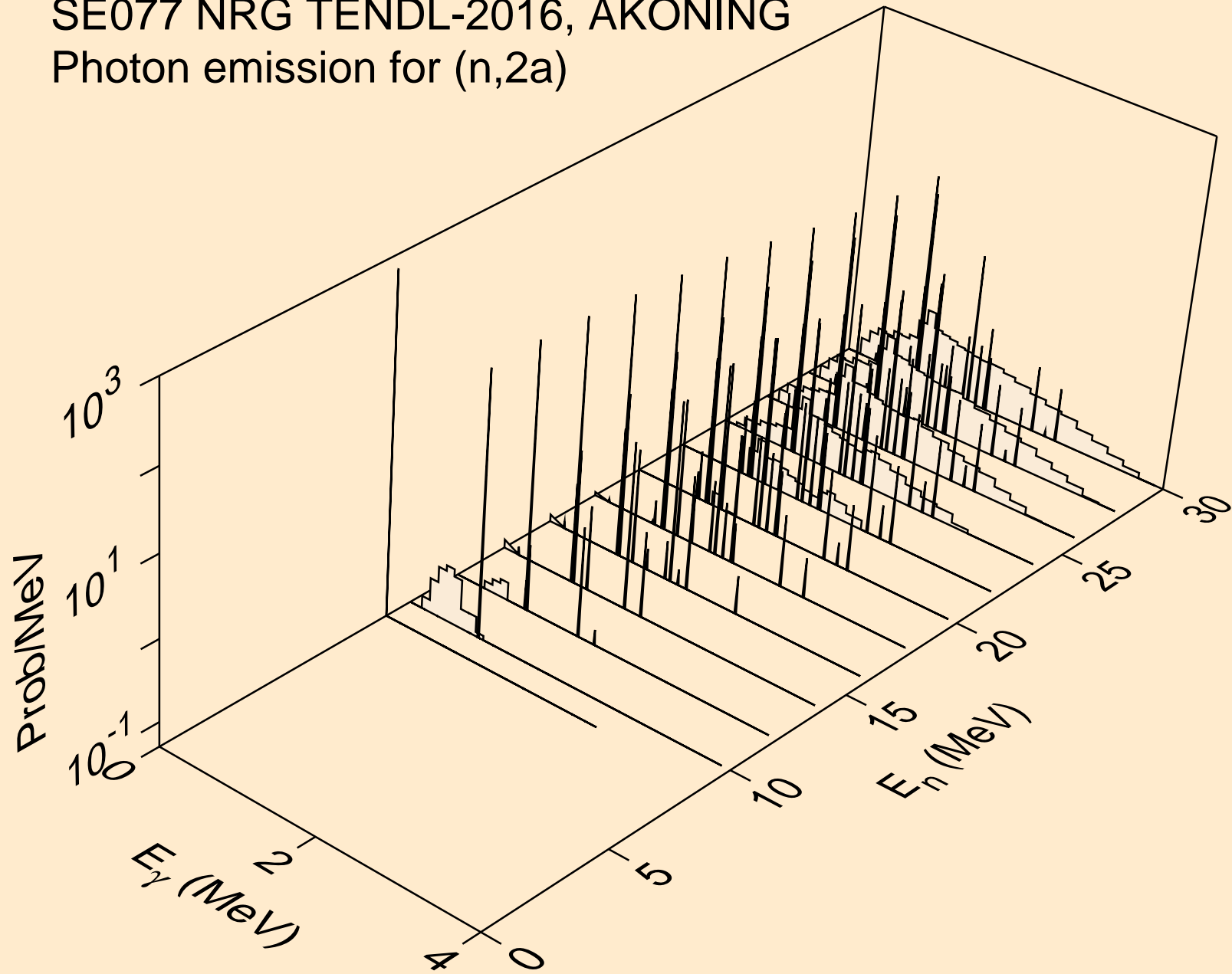


SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,a)

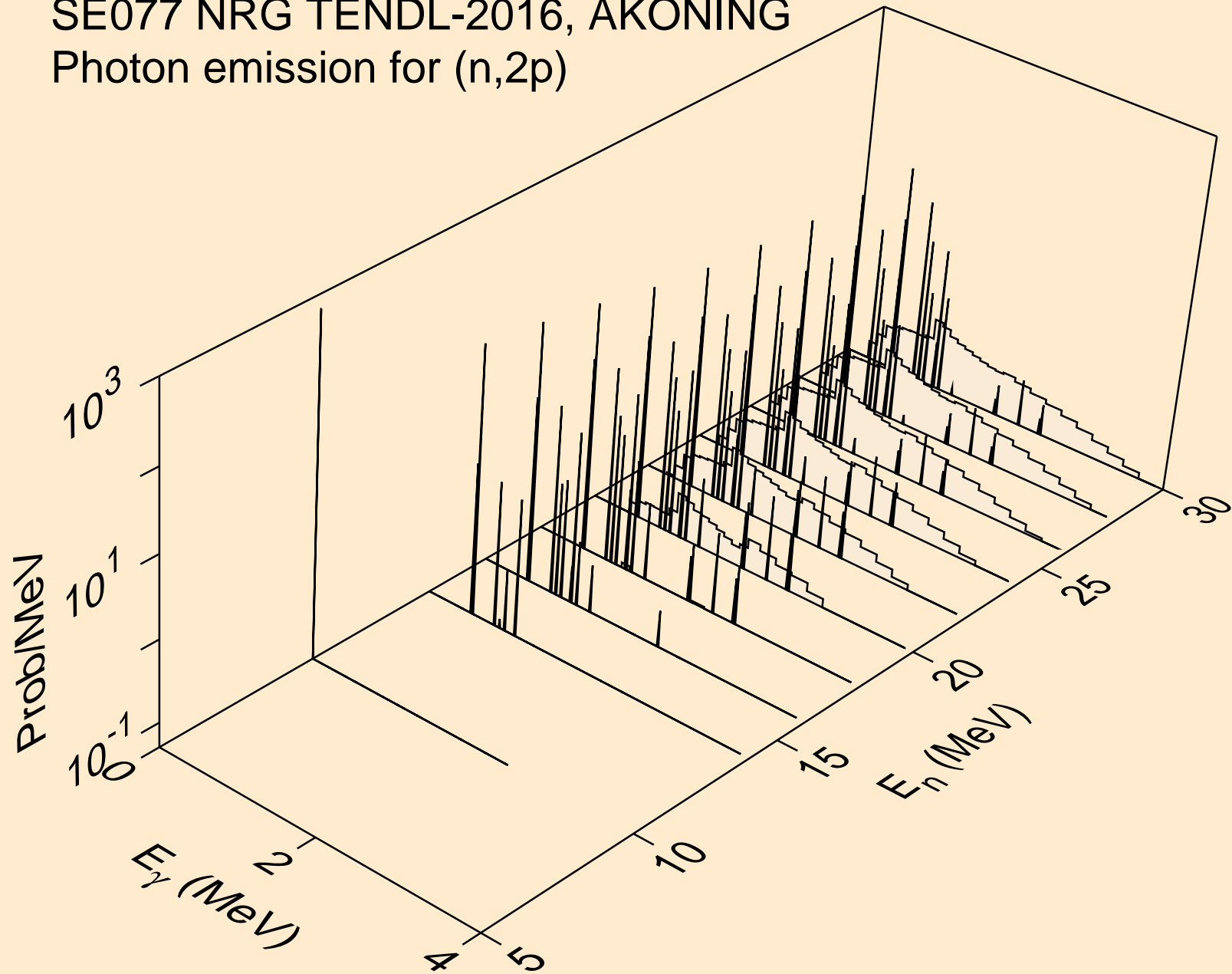




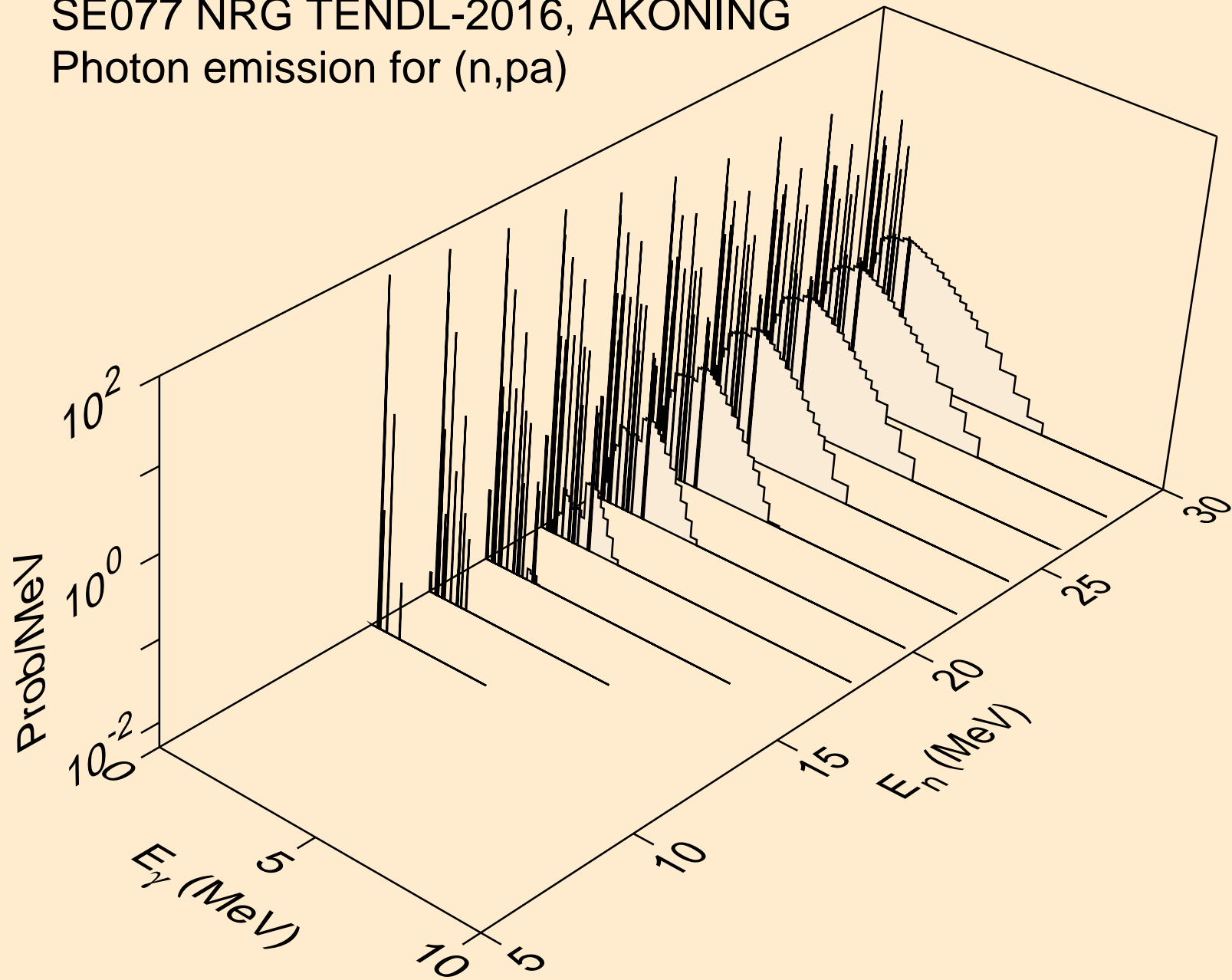
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Photon emission for (n,2a)



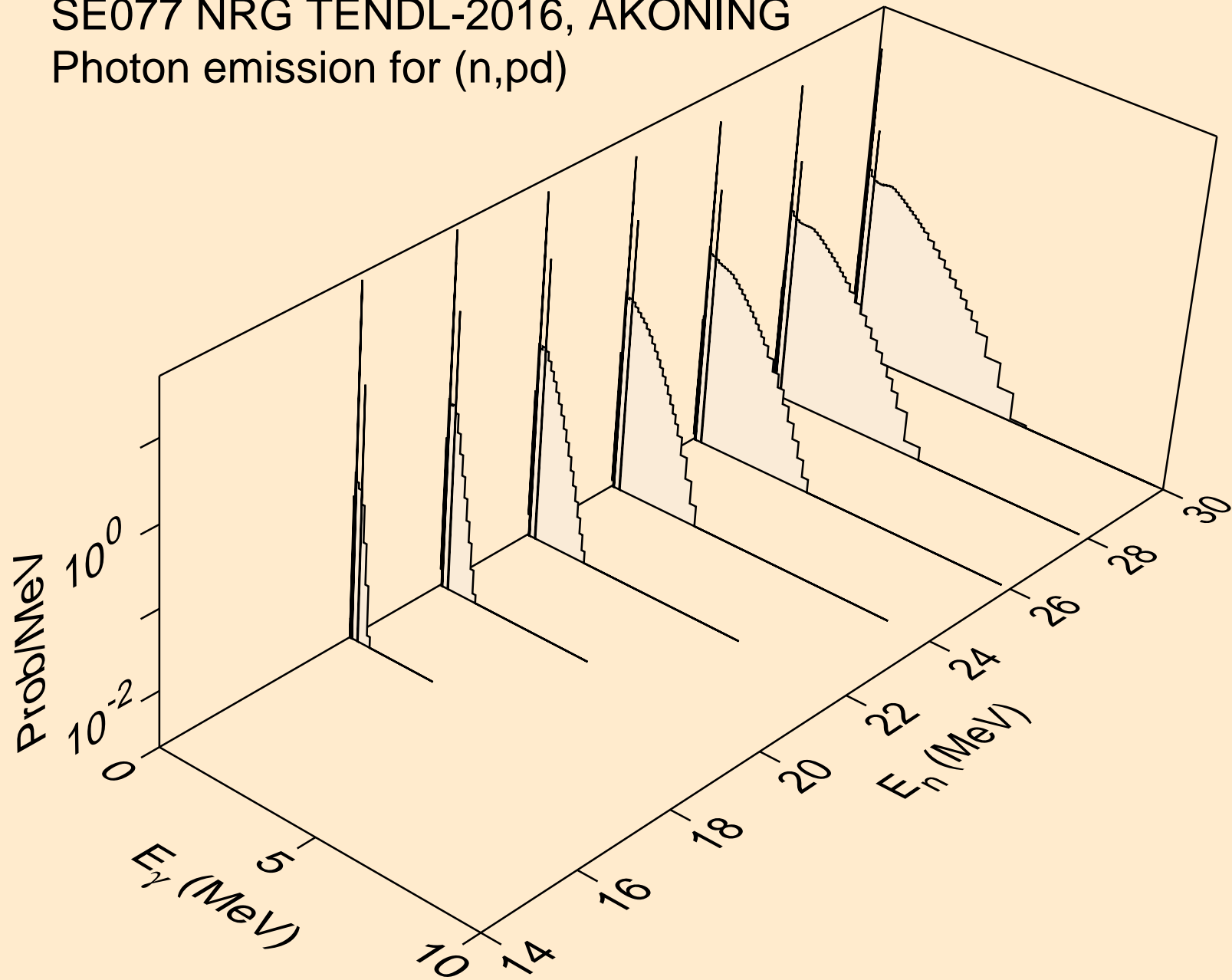
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Photon emission for (n,2p)



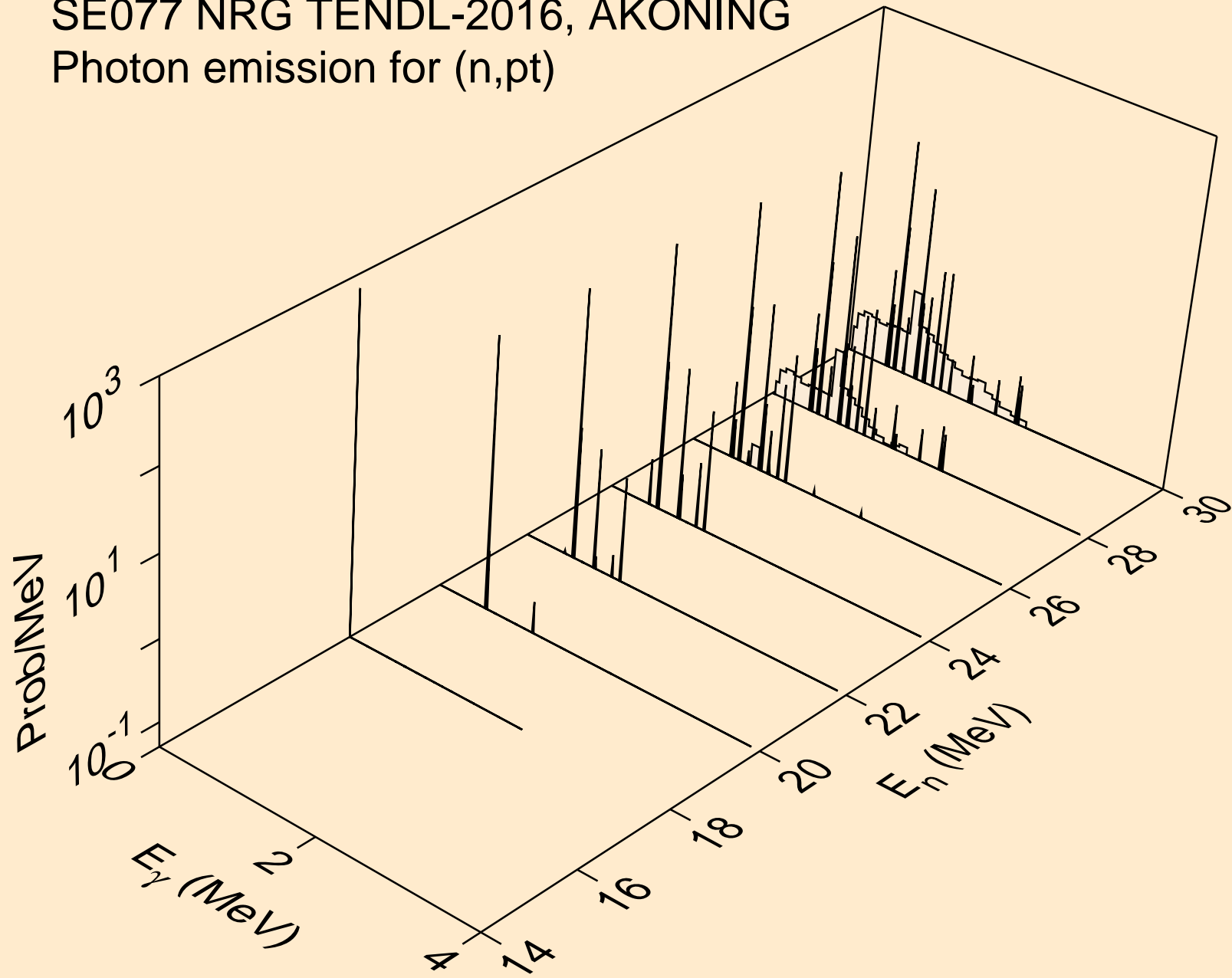
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,pa)



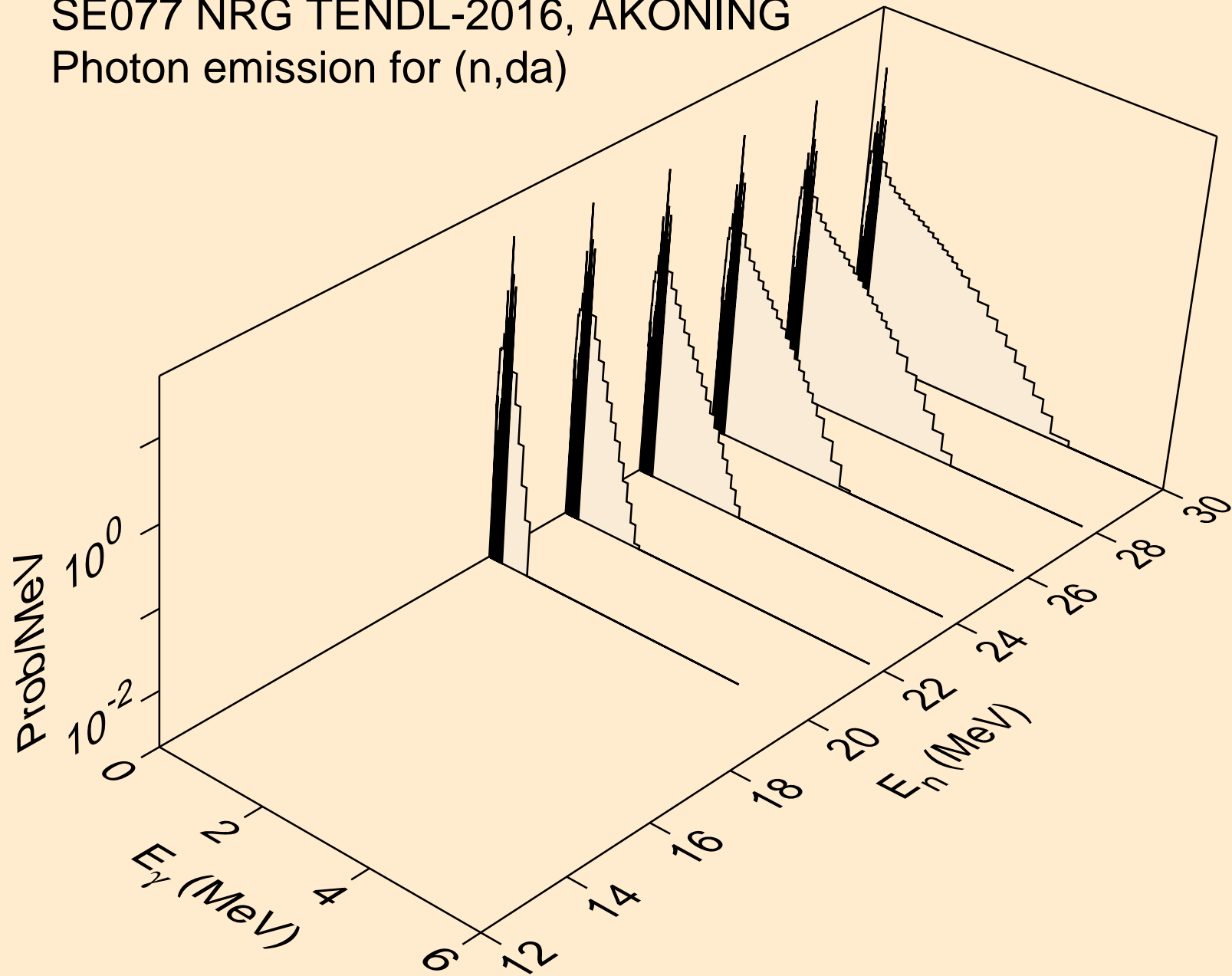
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,pd)



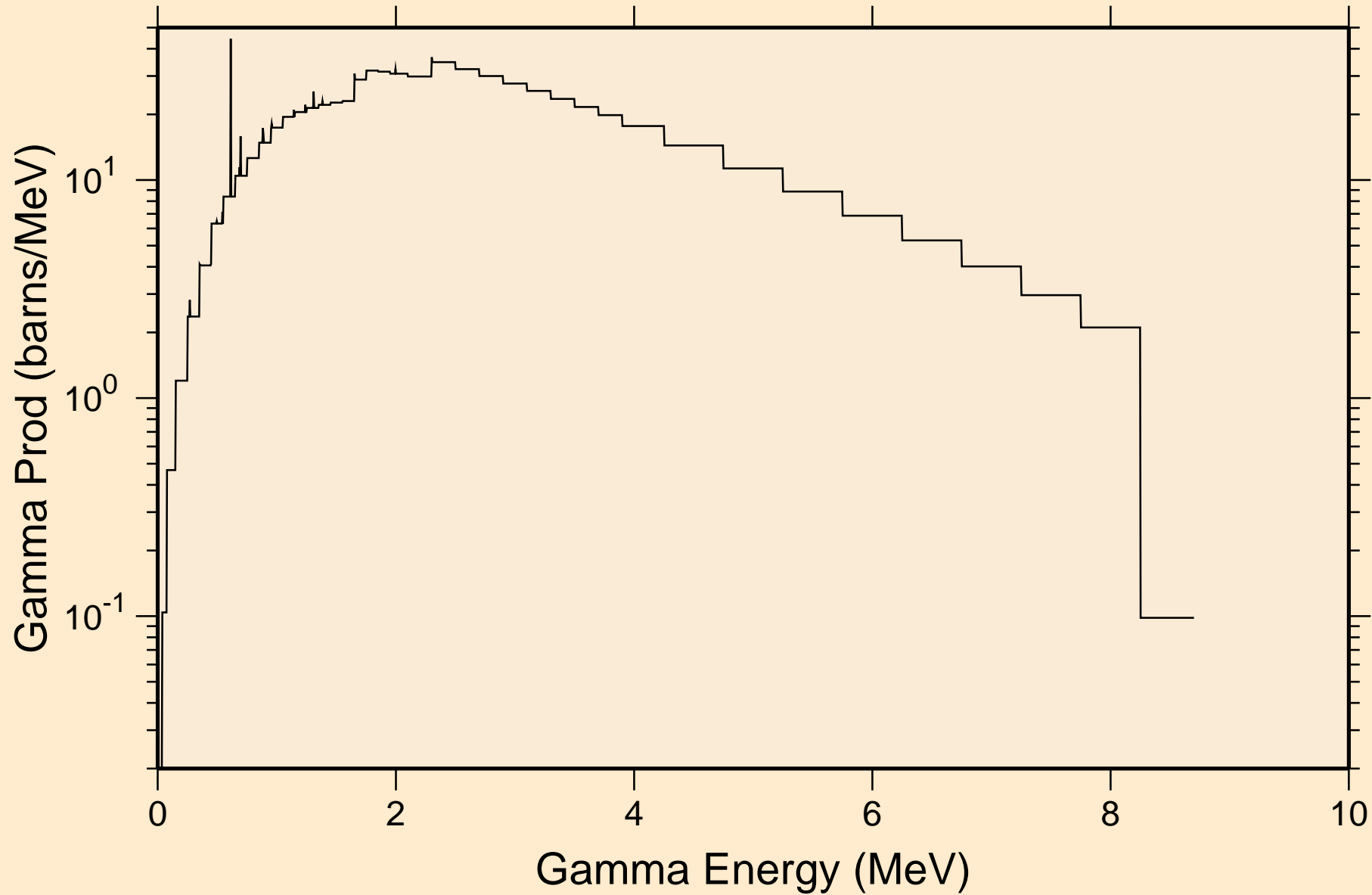
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,pt)



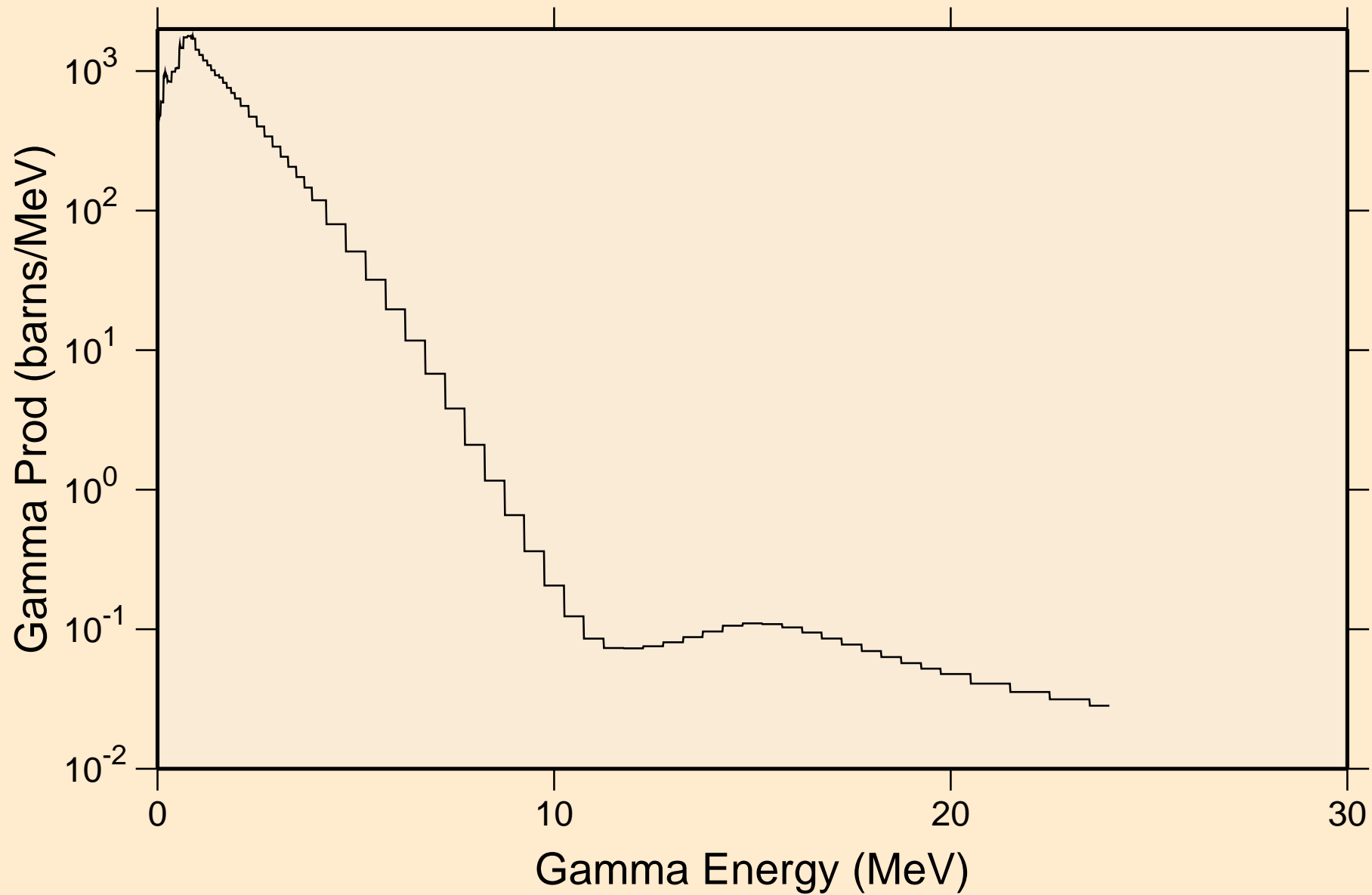
SE077 NRG TENDL-2016, AKONING  
Photon emission for (n,da)



SE077 NRG TENDL-2016, AKONING  
thermal capture photon spectrum



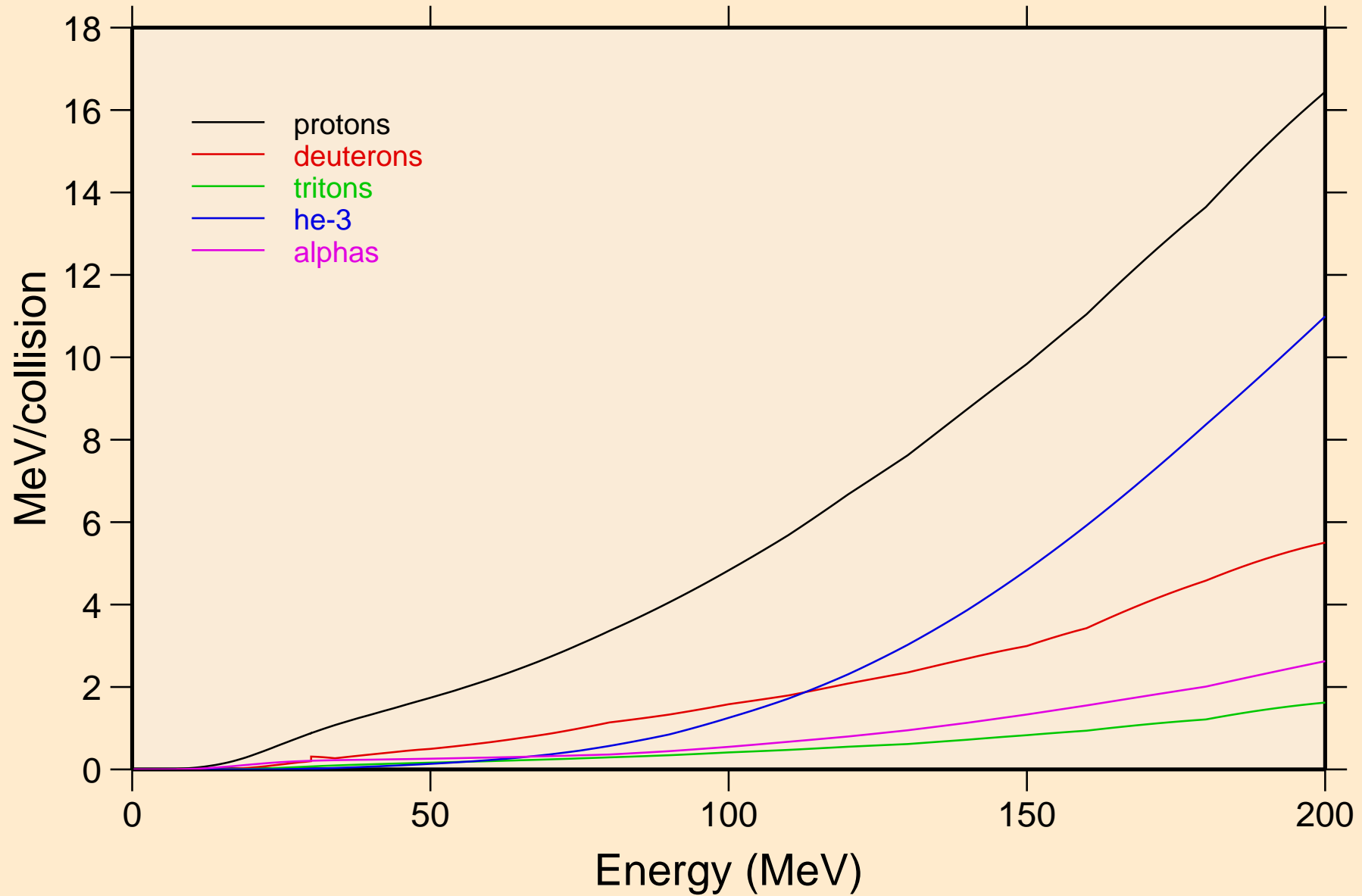
SE077 NRG TENDL-2016, AKONING  
14 MeV photon spectrum





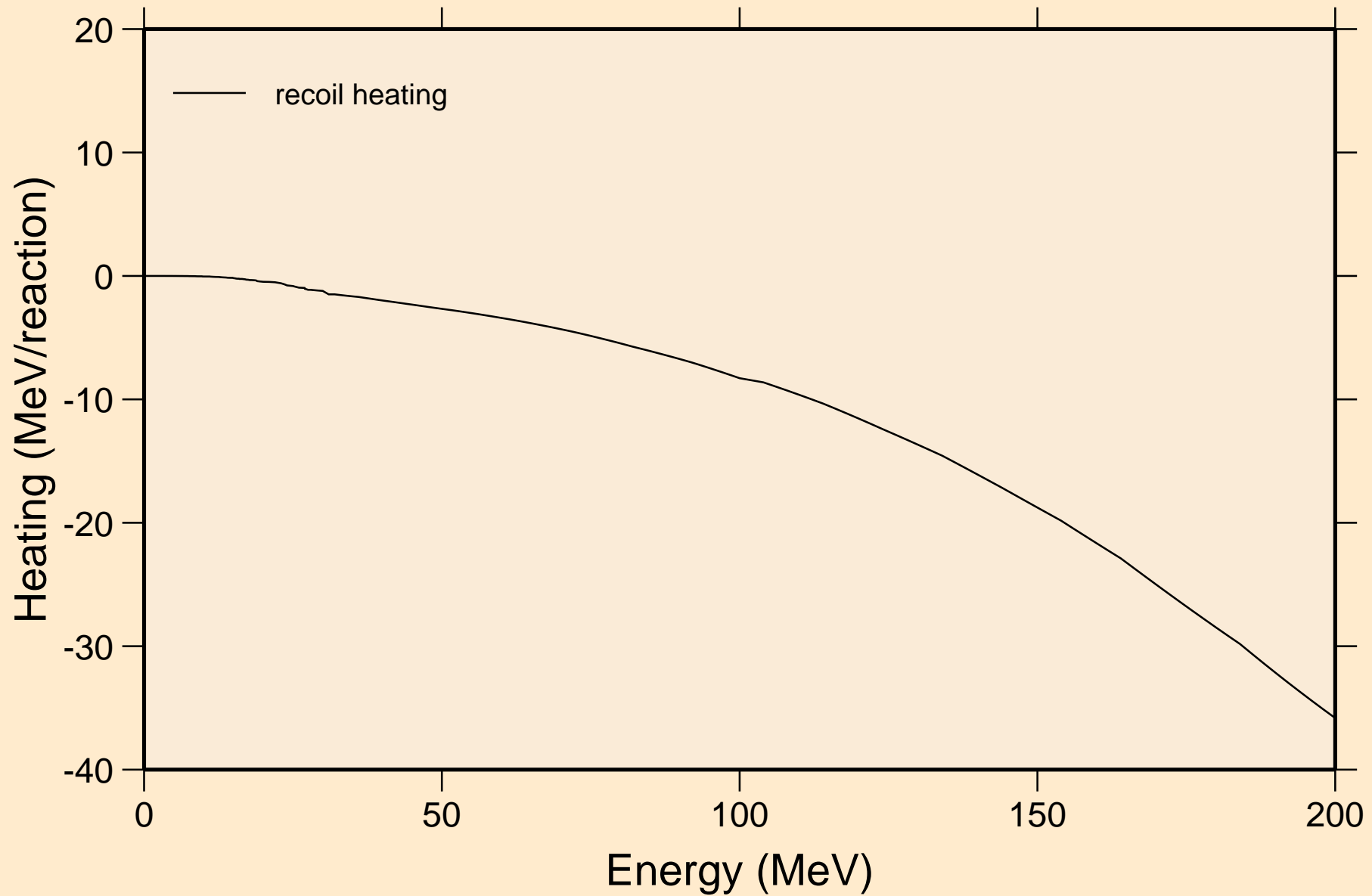
# SE077 NRG TENDL-2016, AKONING

## Particle heating contributions



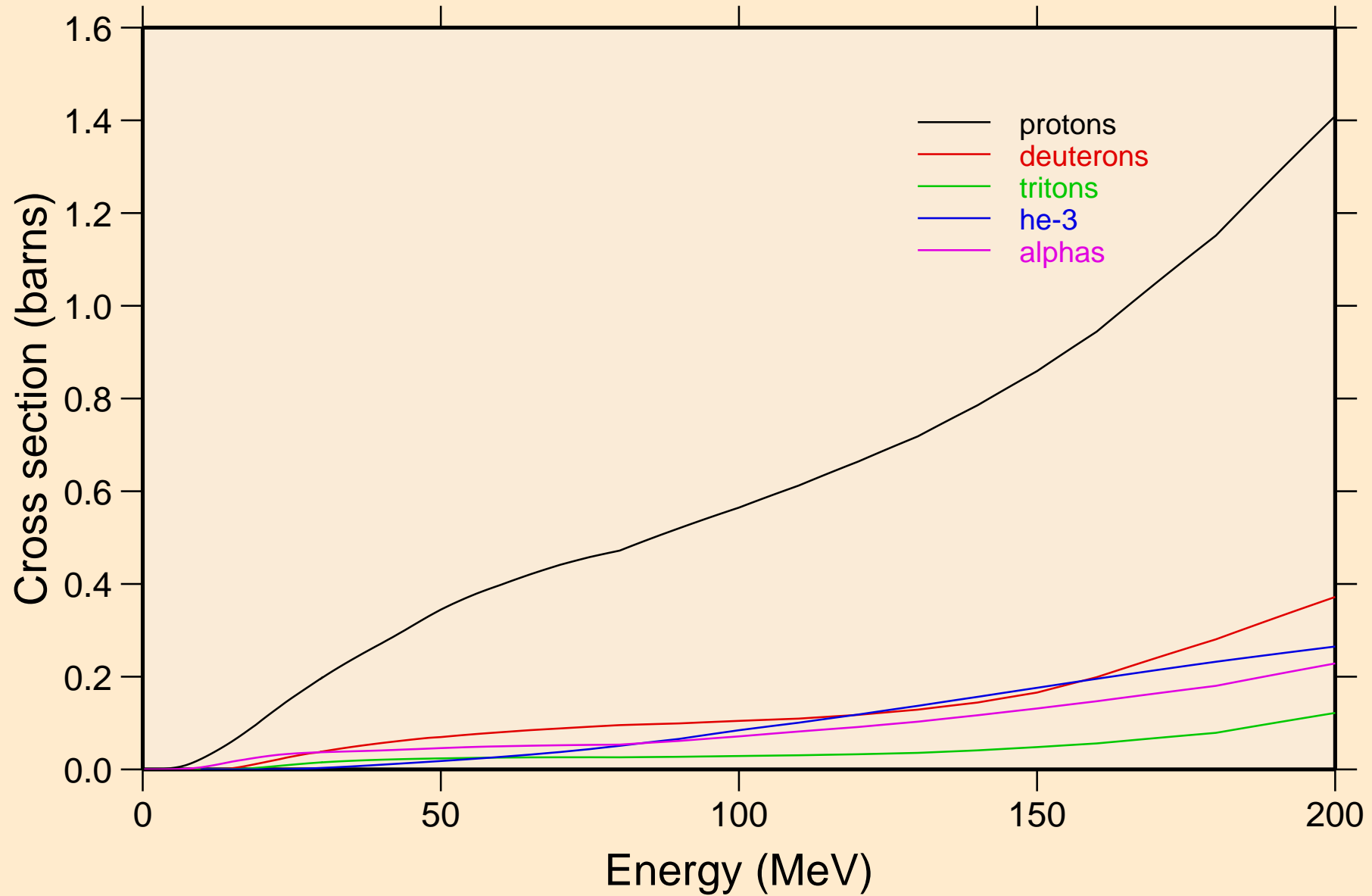
# SE077 NRG TENDL-2016, AKONING

## Recoil Heating

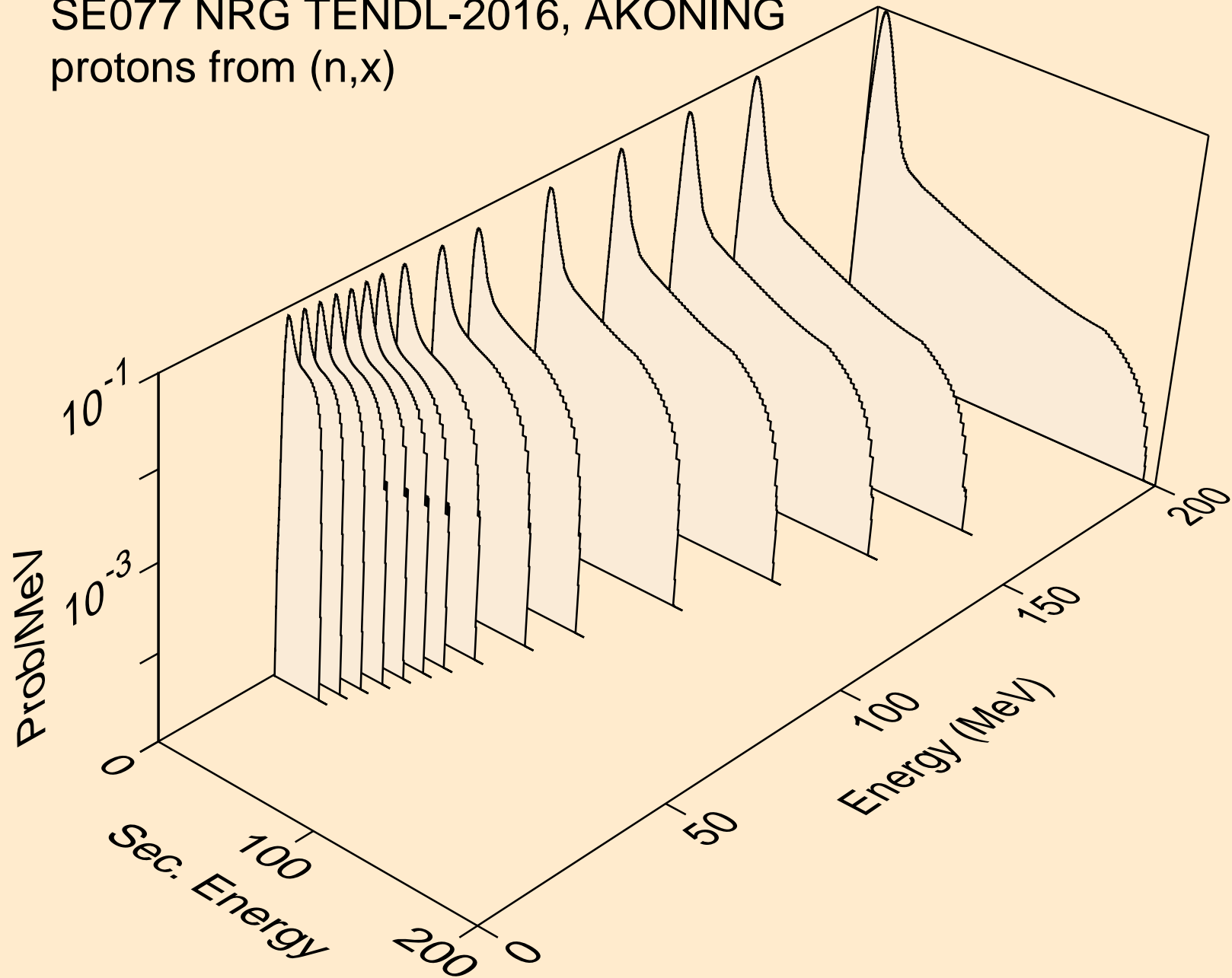


# SE077 NRG TENDL-2016, AKONING

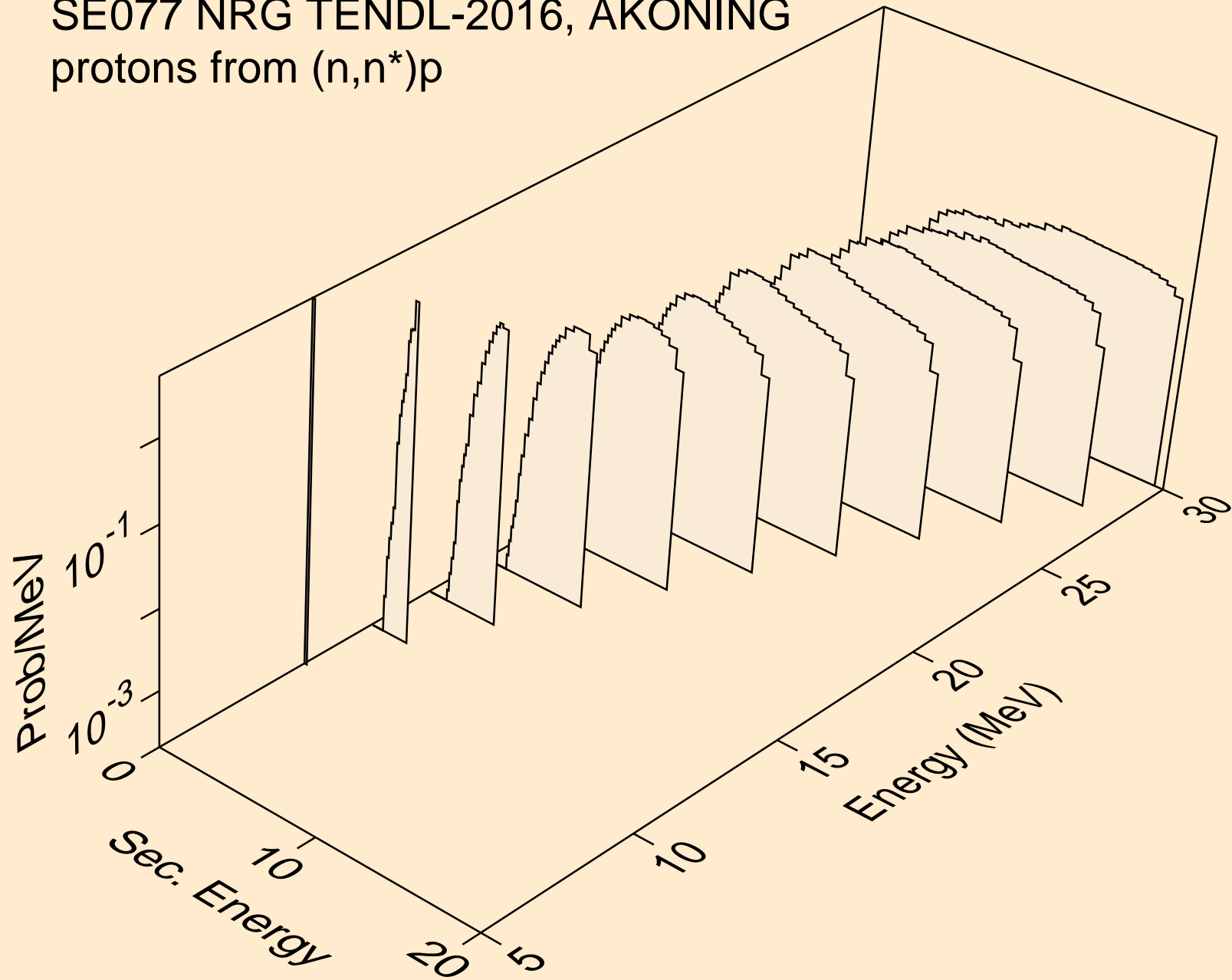
## Particle production cross sections



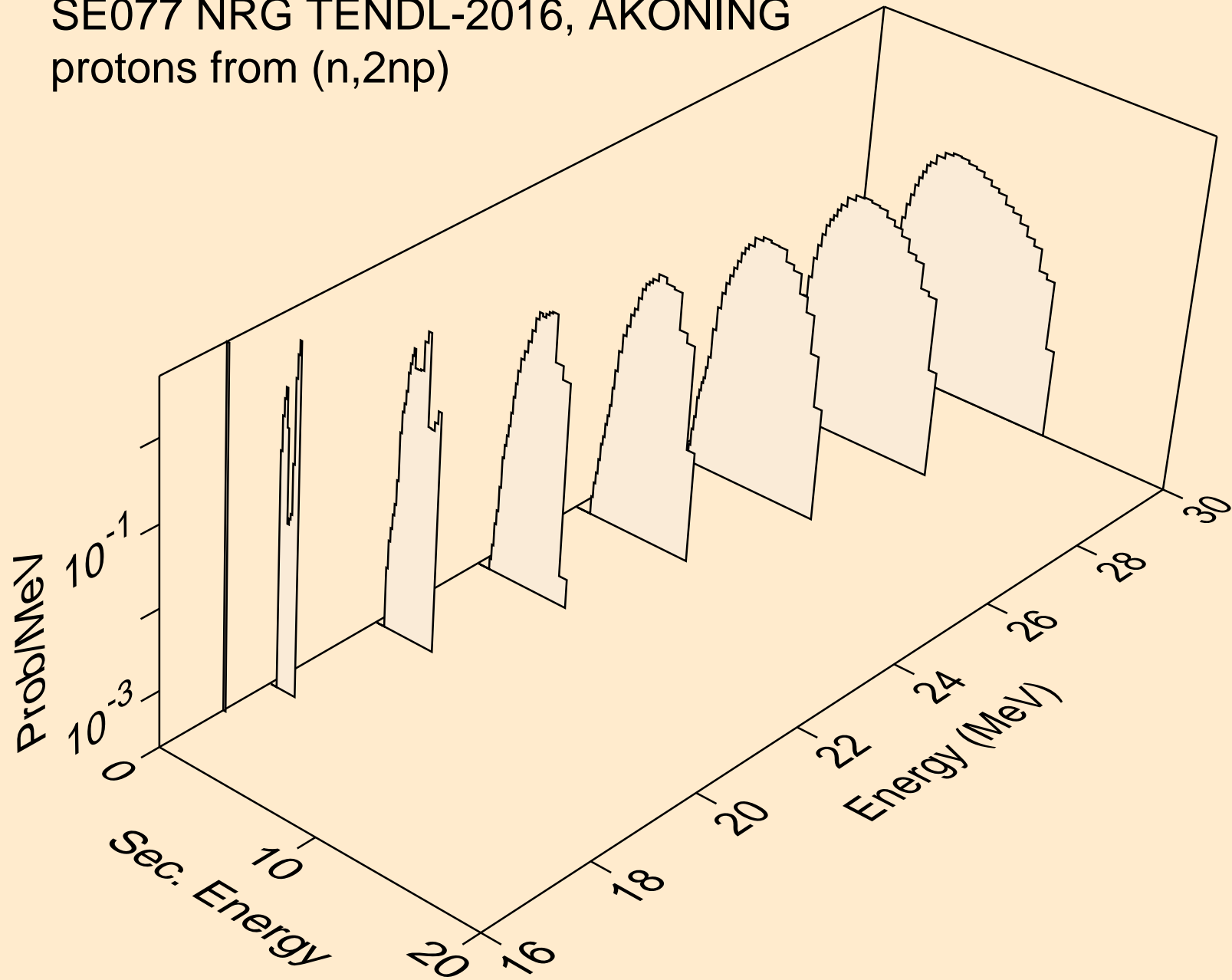
SE077 NRG TENDL-2016, AKONING  
protons from (n,x)



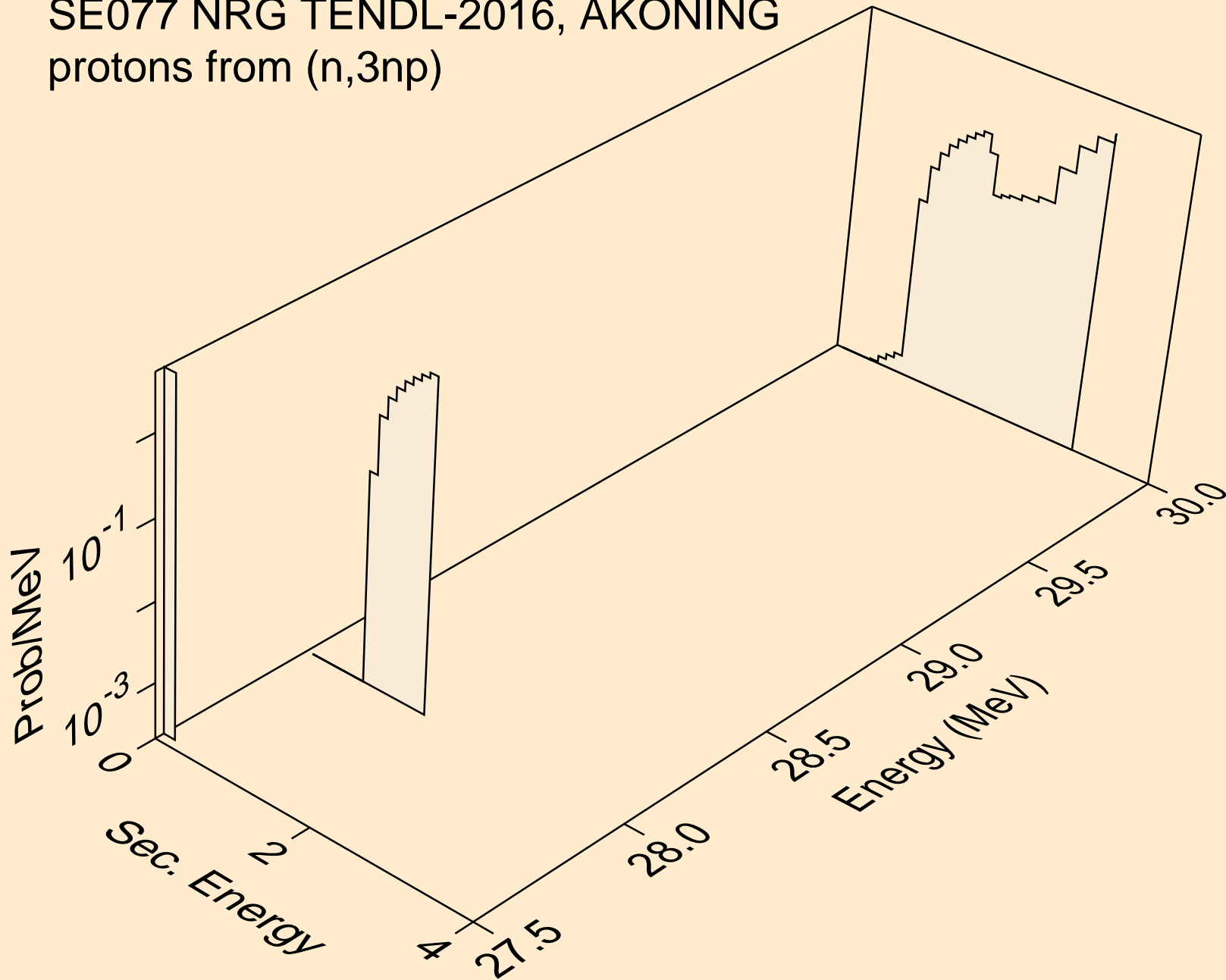
SE077 NRG TENDL-2016, AKONING  
protons from (n,n\*)p



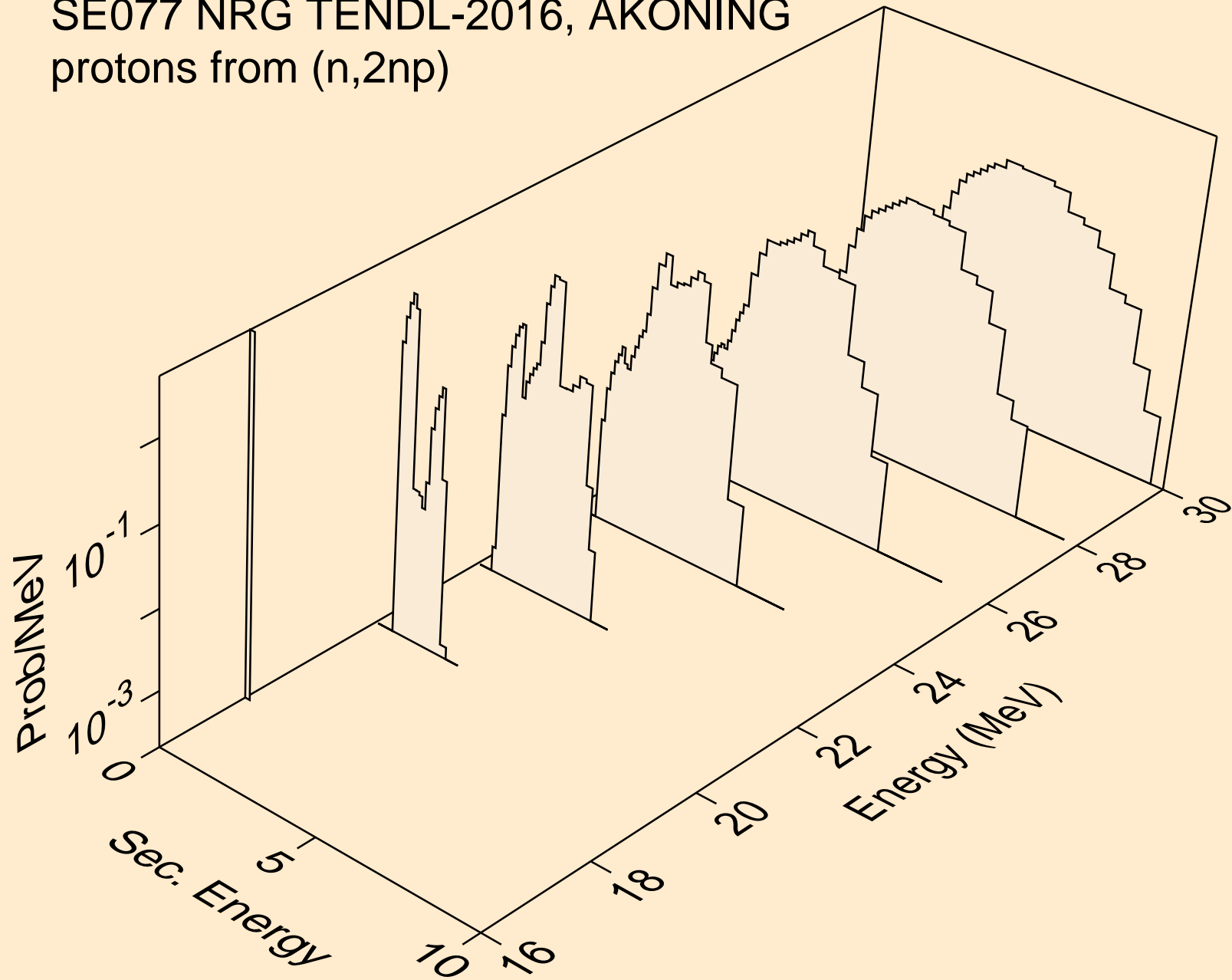
SE077 NRG TENDL-2016, AKONING  
protons from (n,2np)



SE077 NRG TENDL-2016, AKONING  
protons from (n,3np)

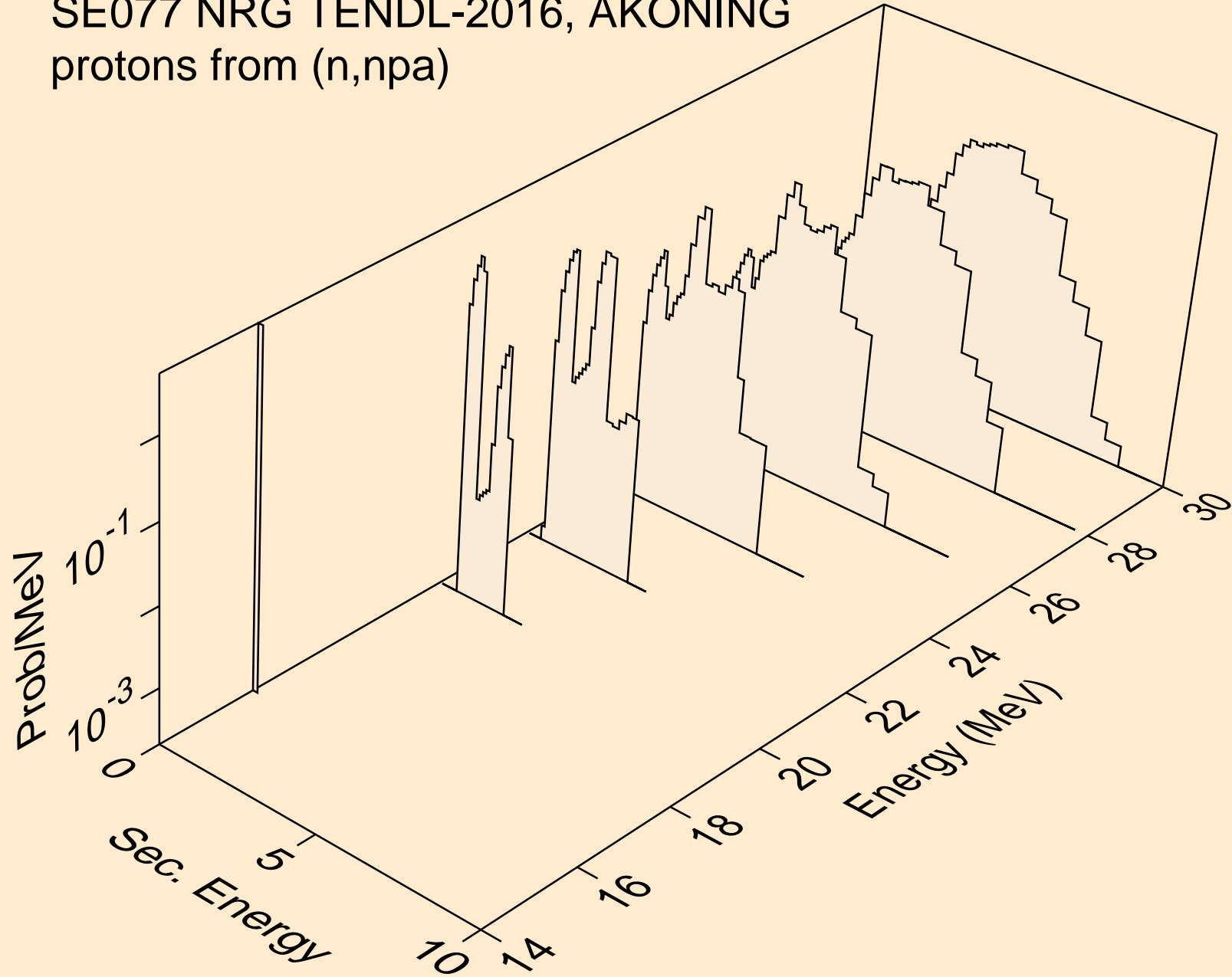


SE077 NRG TENDL-2016, AKONING  
protons from (n,2np)

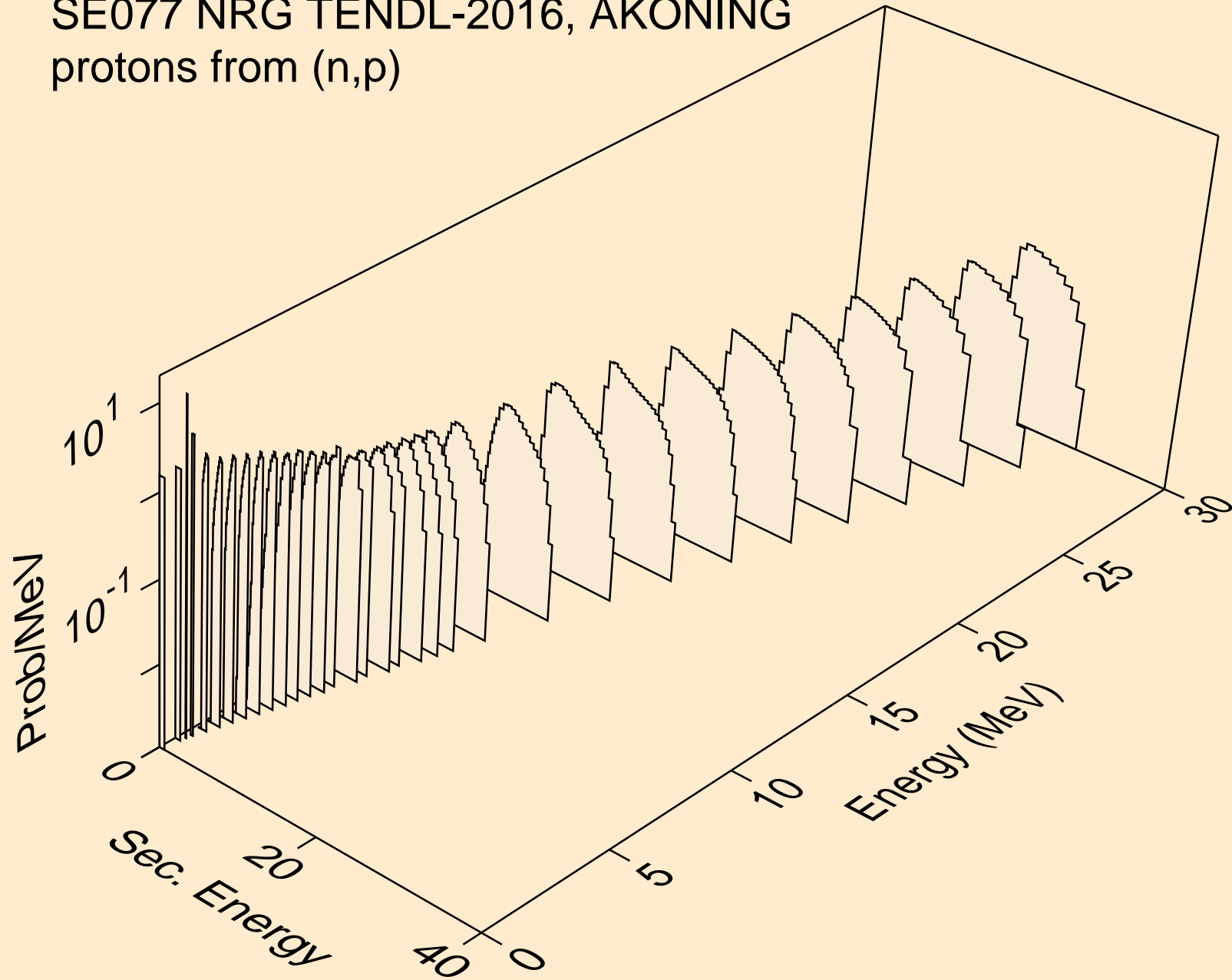




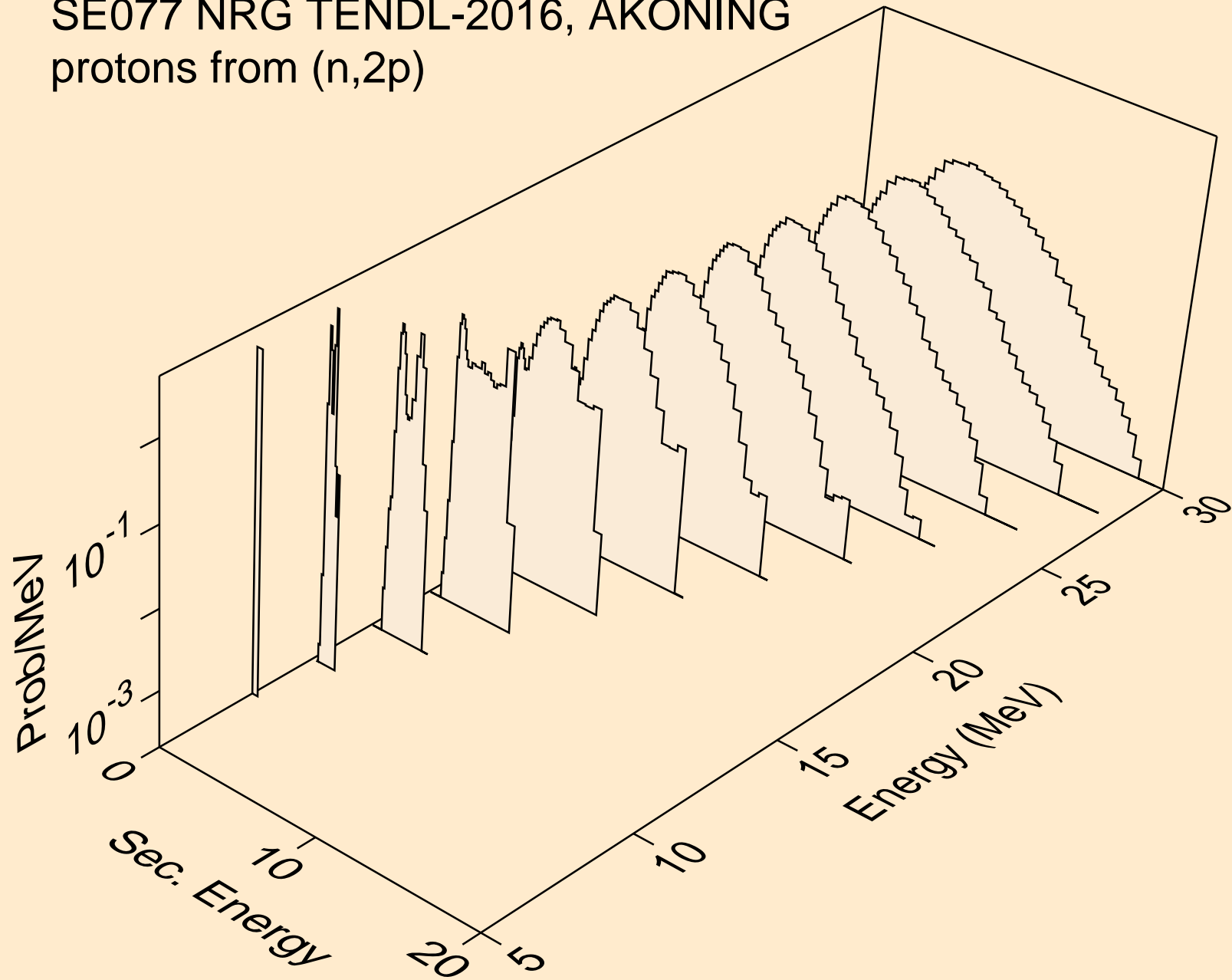
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protons from (n,npa)



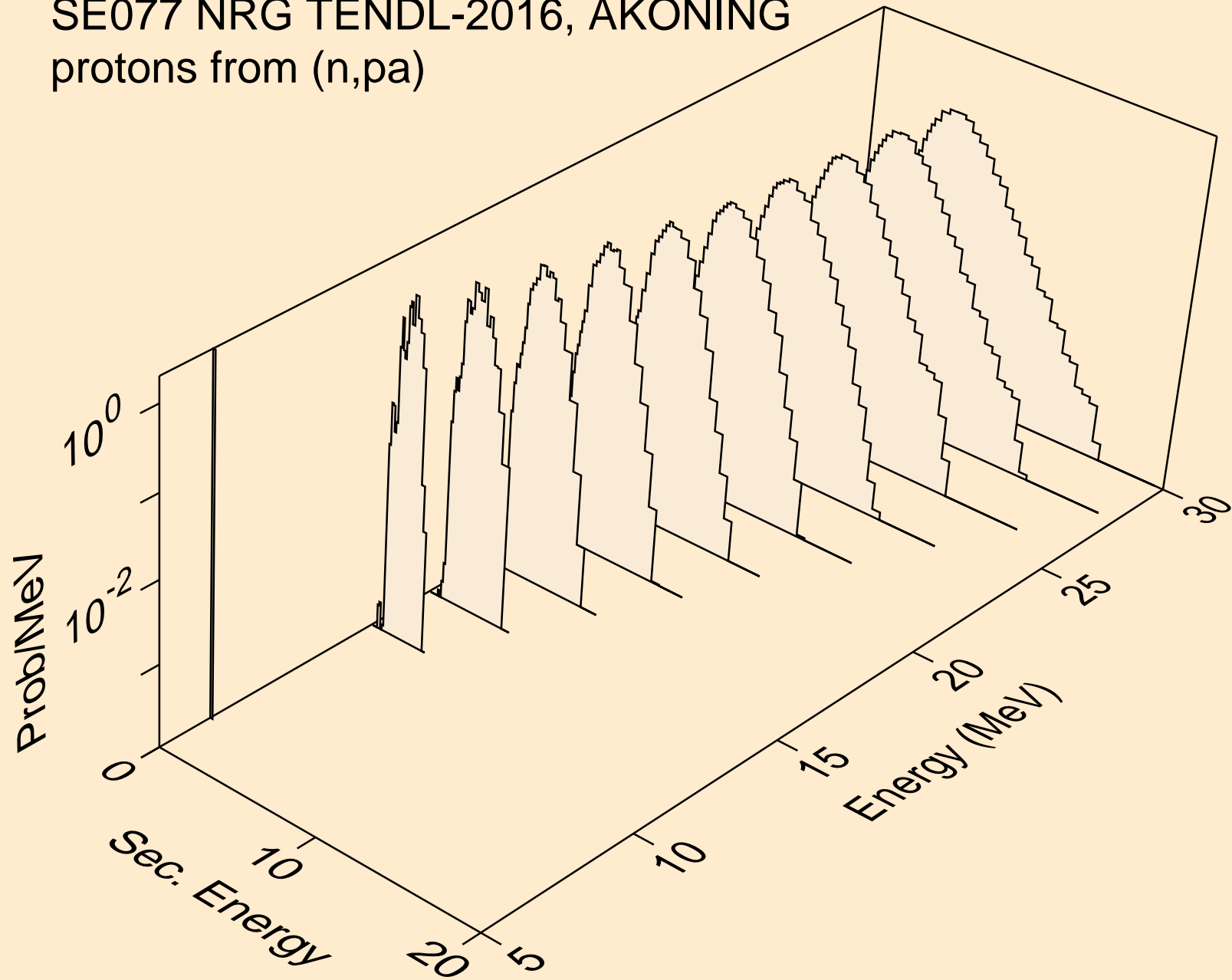
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protons from (n,p)



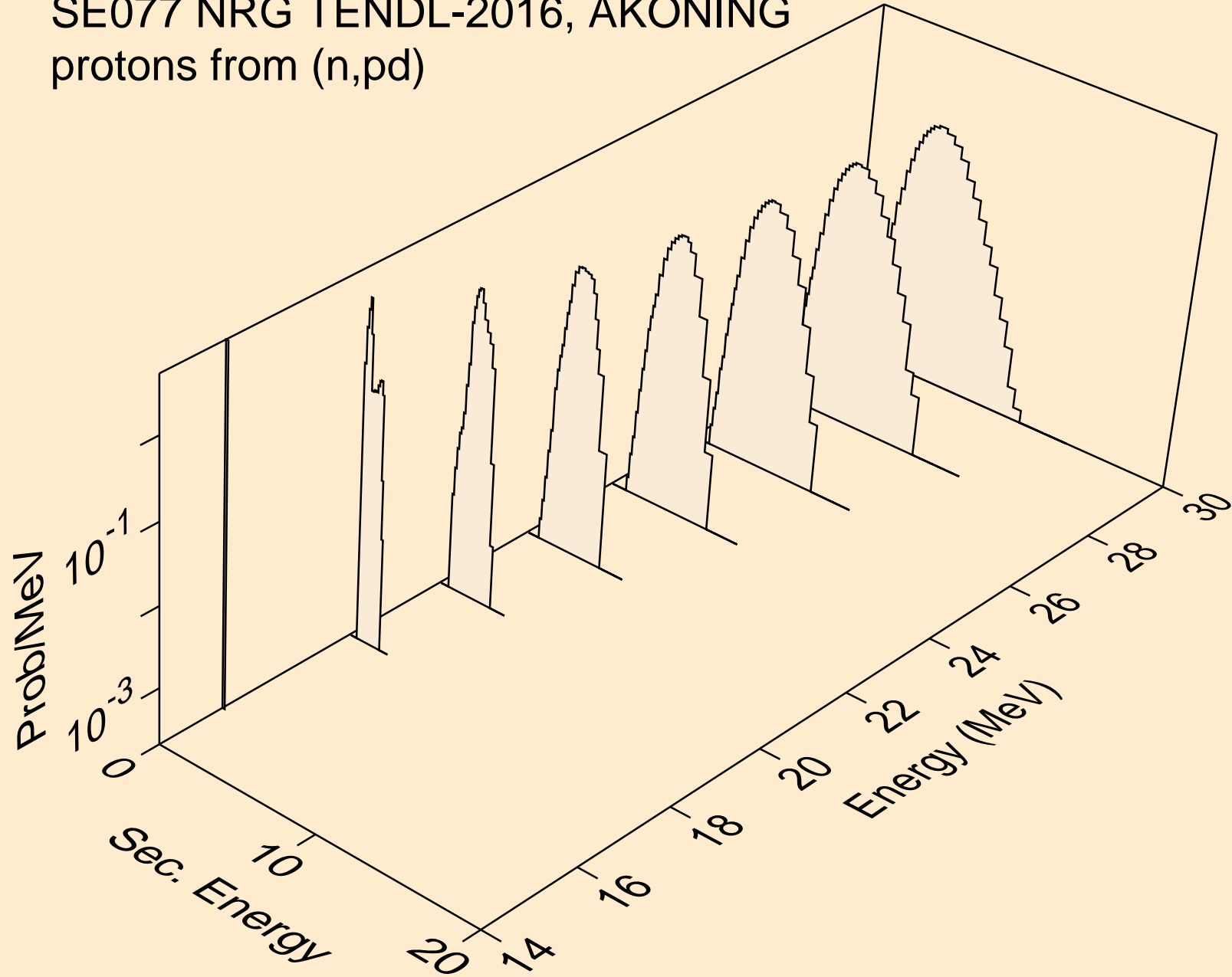
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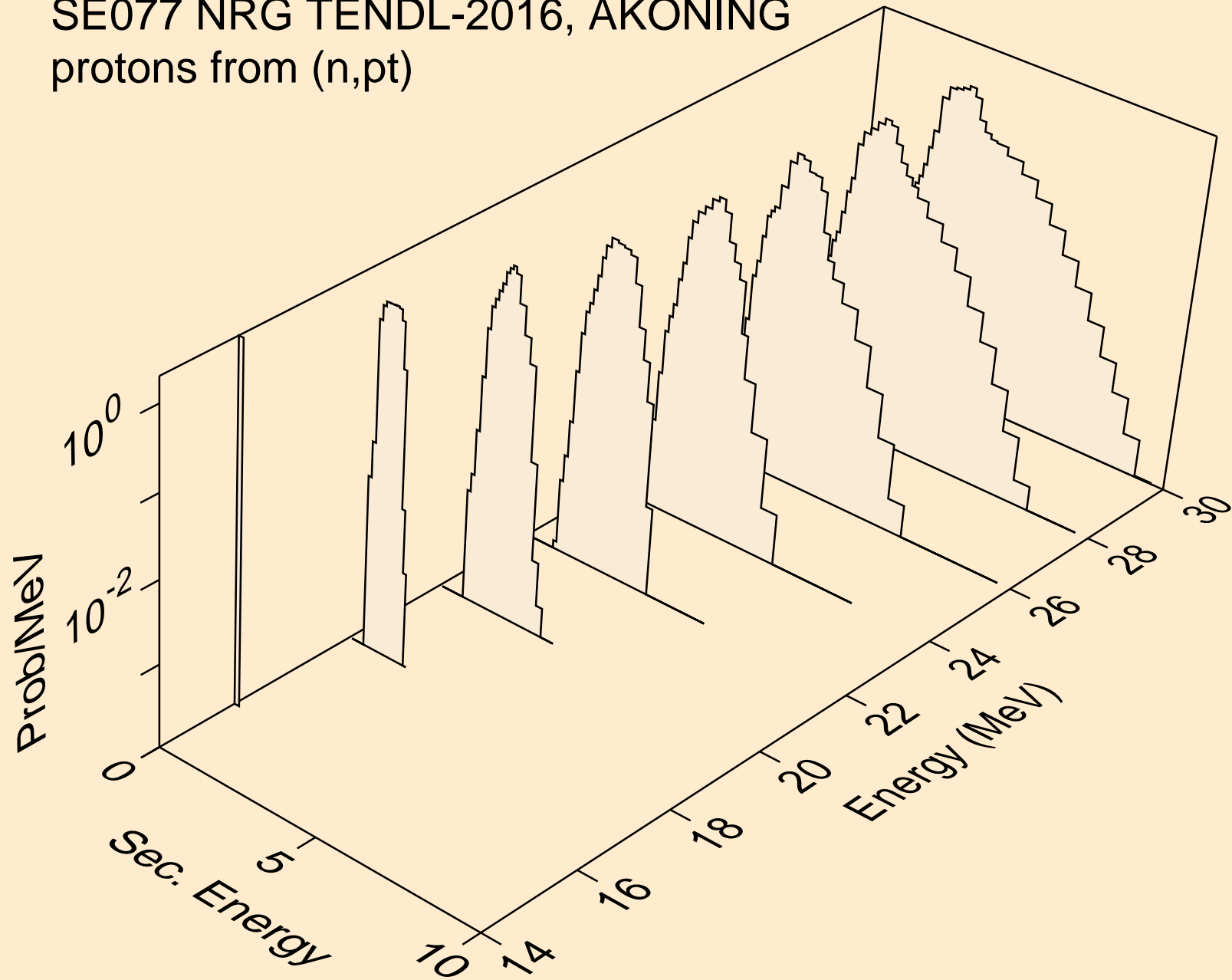
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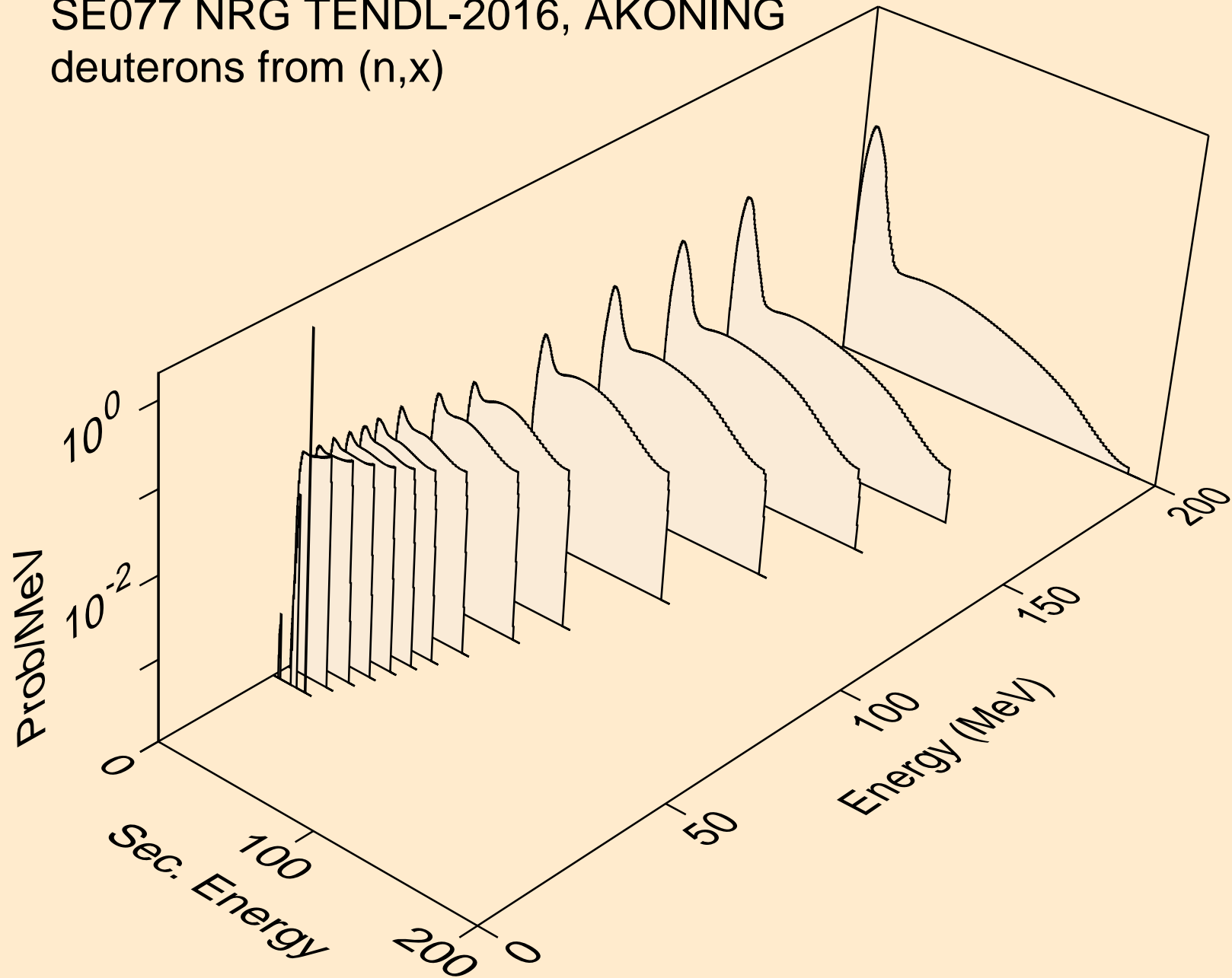
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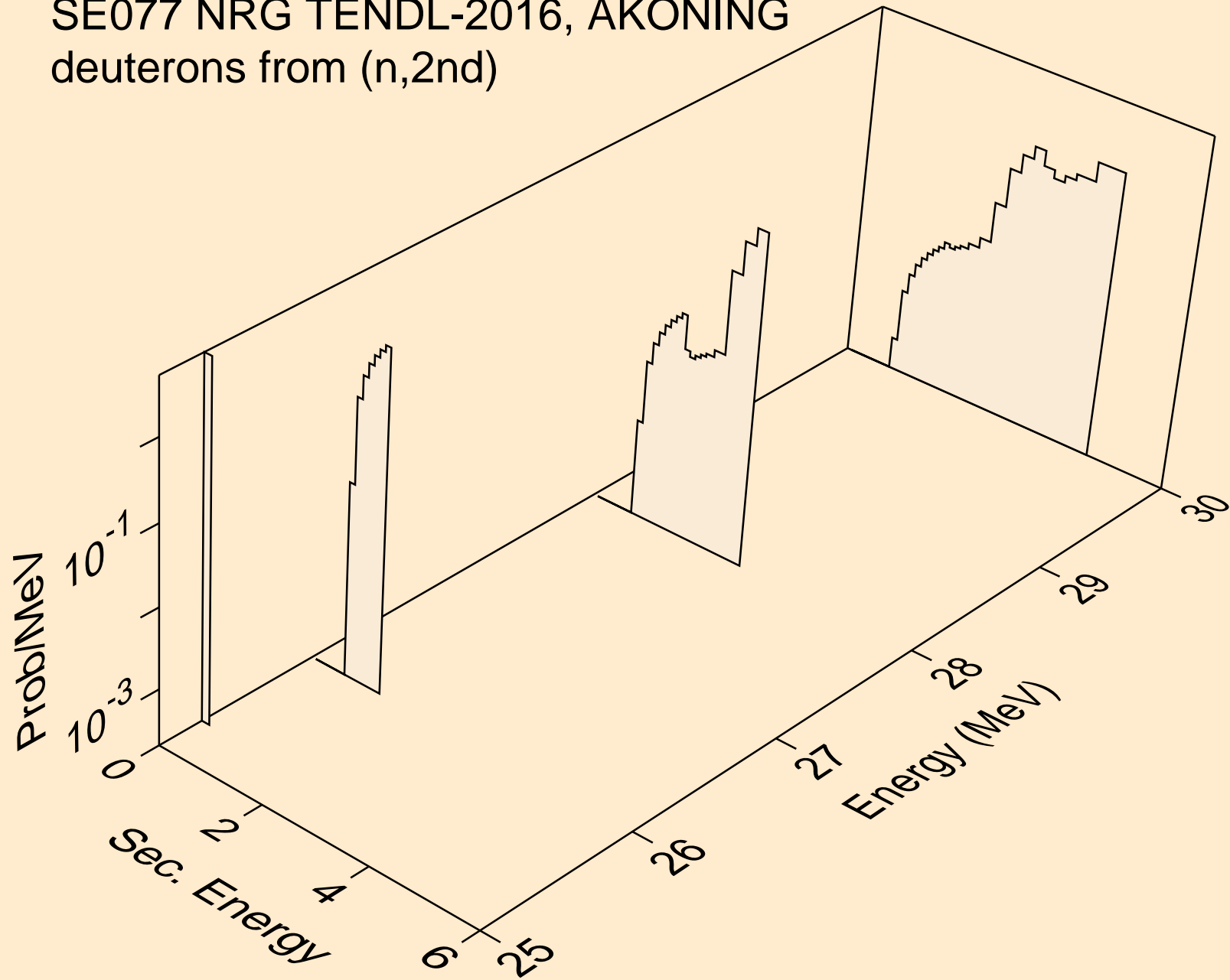
SE077 NRG TENDL-2016, AKONING  
protons from (n,pt)



SE077 NRG TENDL-2016, AKONING  
deuterons from (n,x)

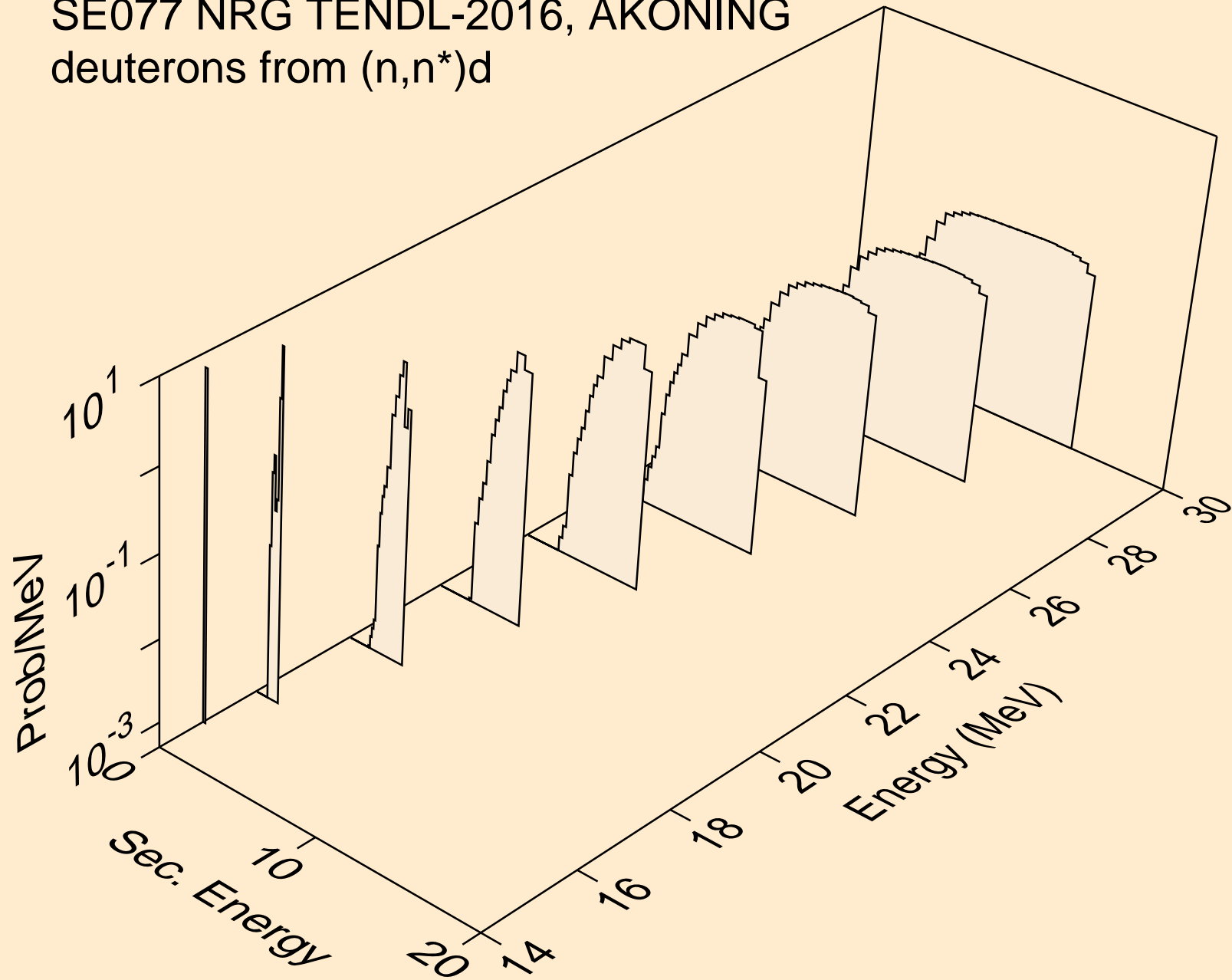


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deuterons from (n,2nd)

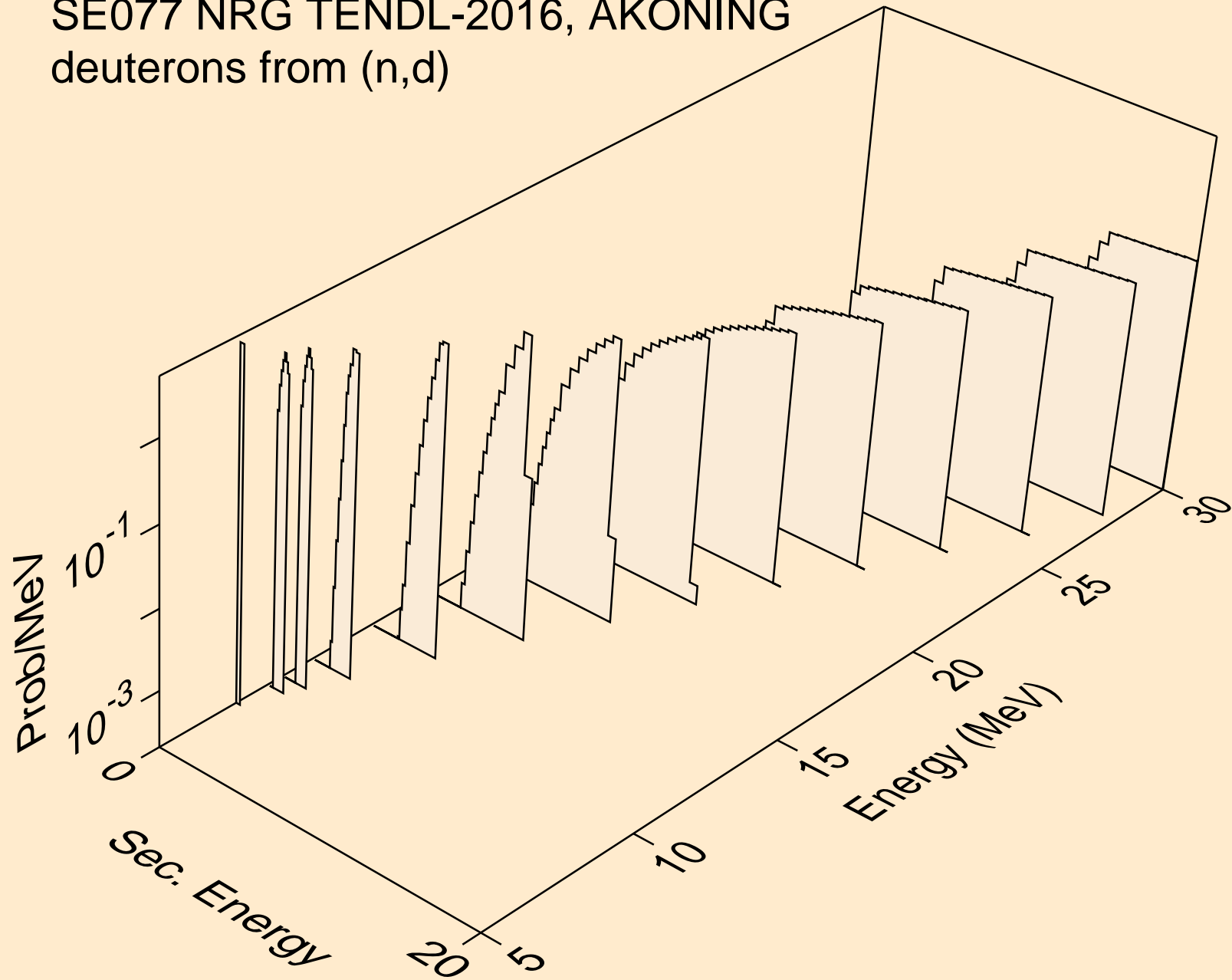




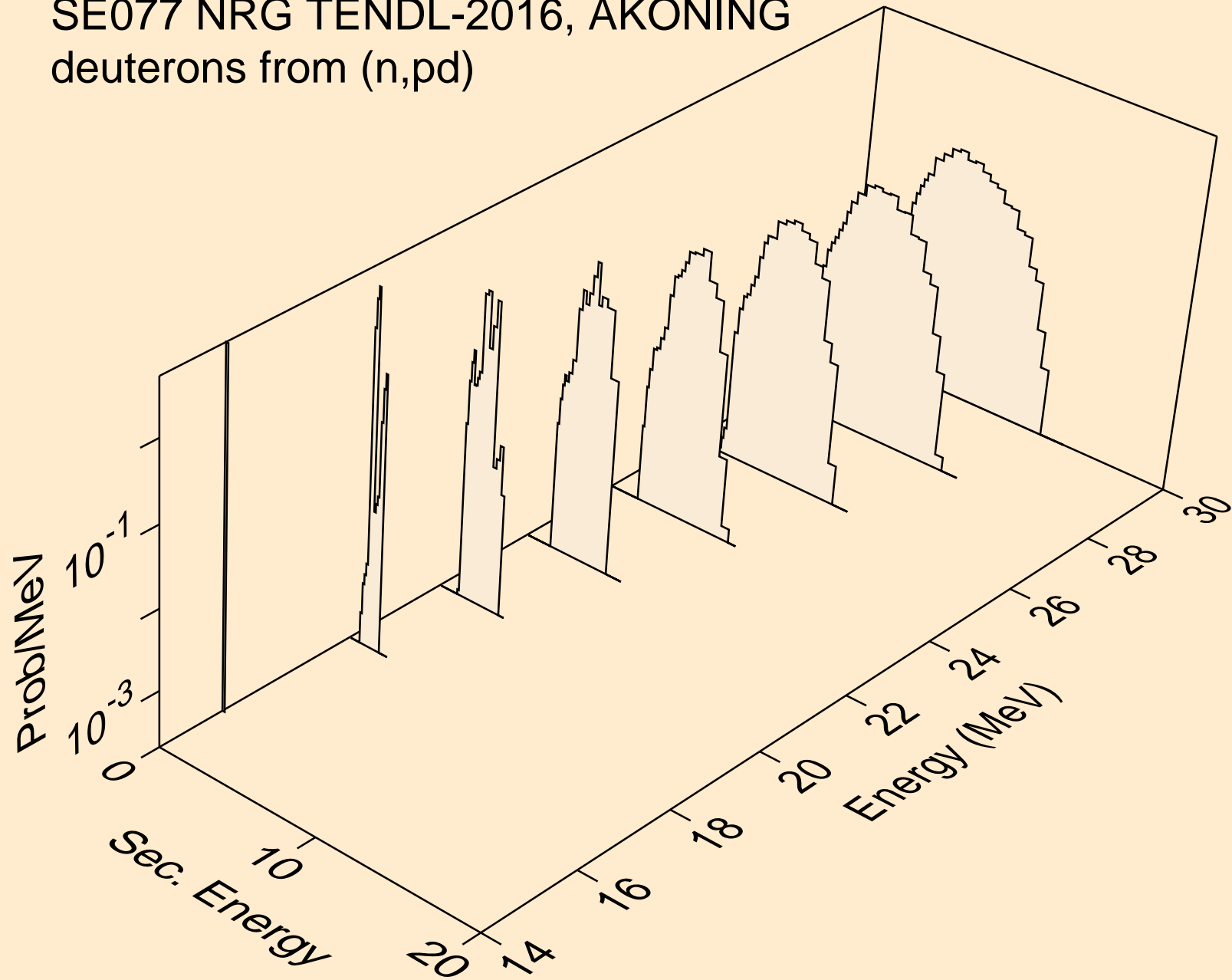
SE077 NRG TENDL-2016, AKONING  
deuterons from (n,n\*)d



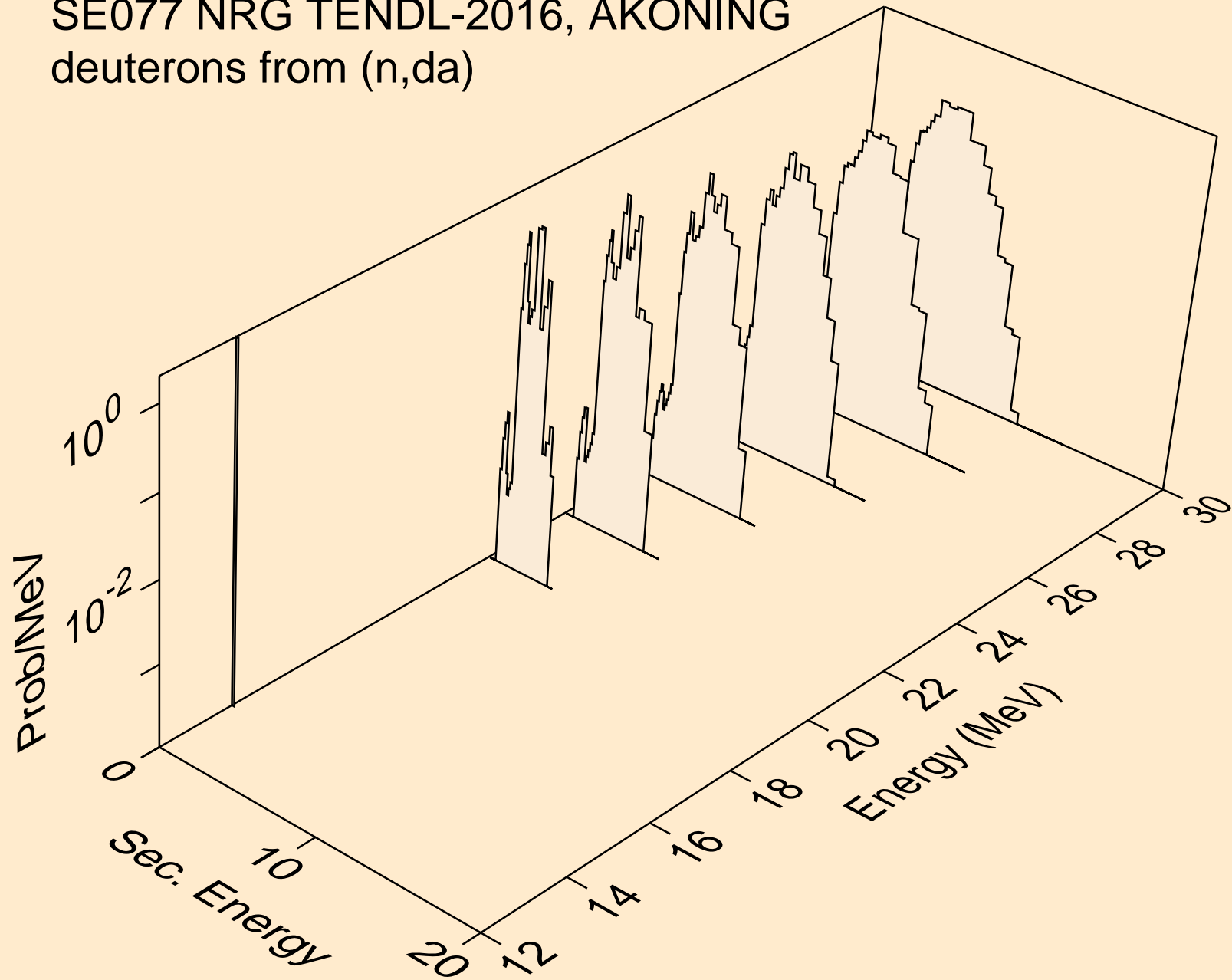
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deuterons from (n,d)



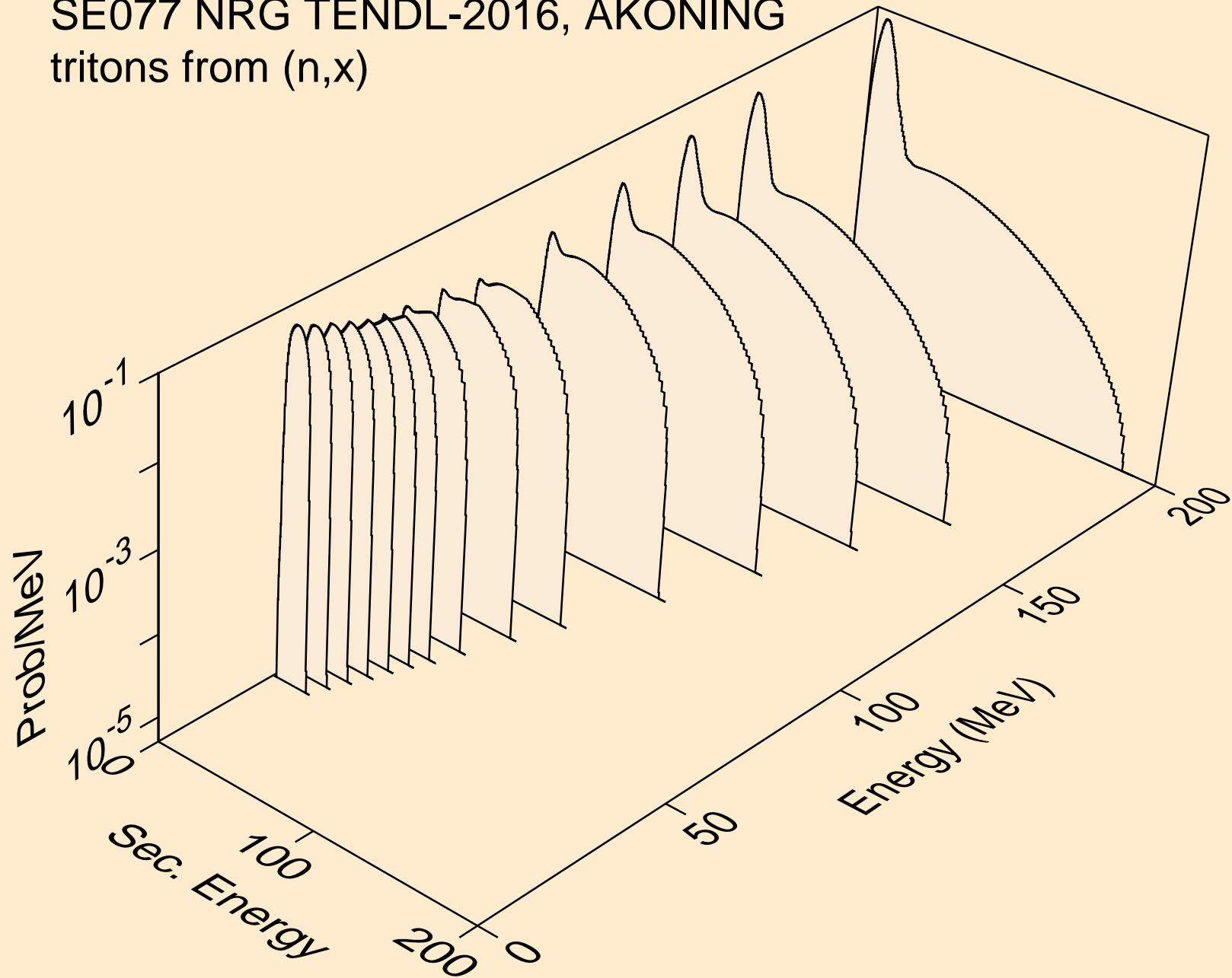
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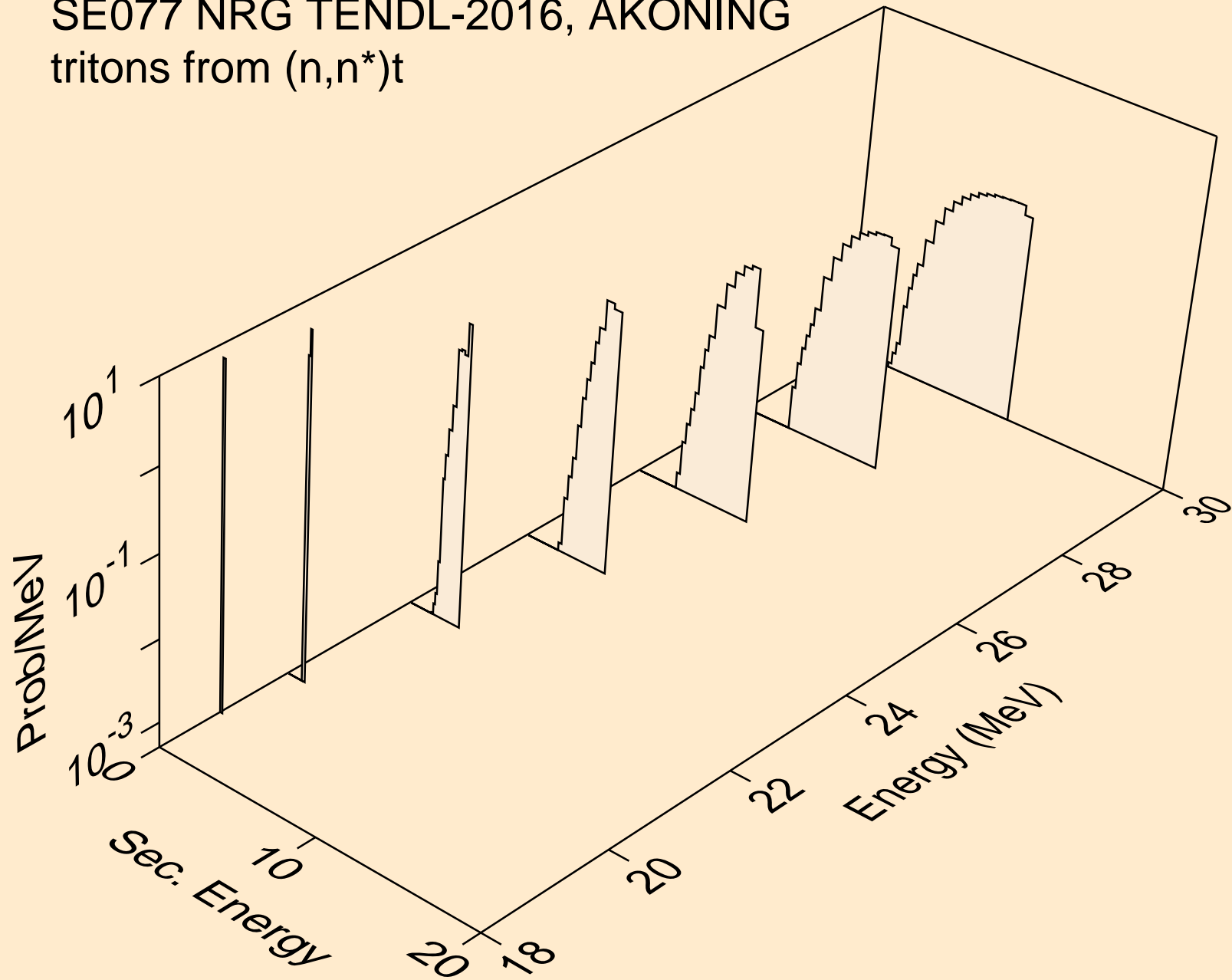
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deuterons from (n,da)



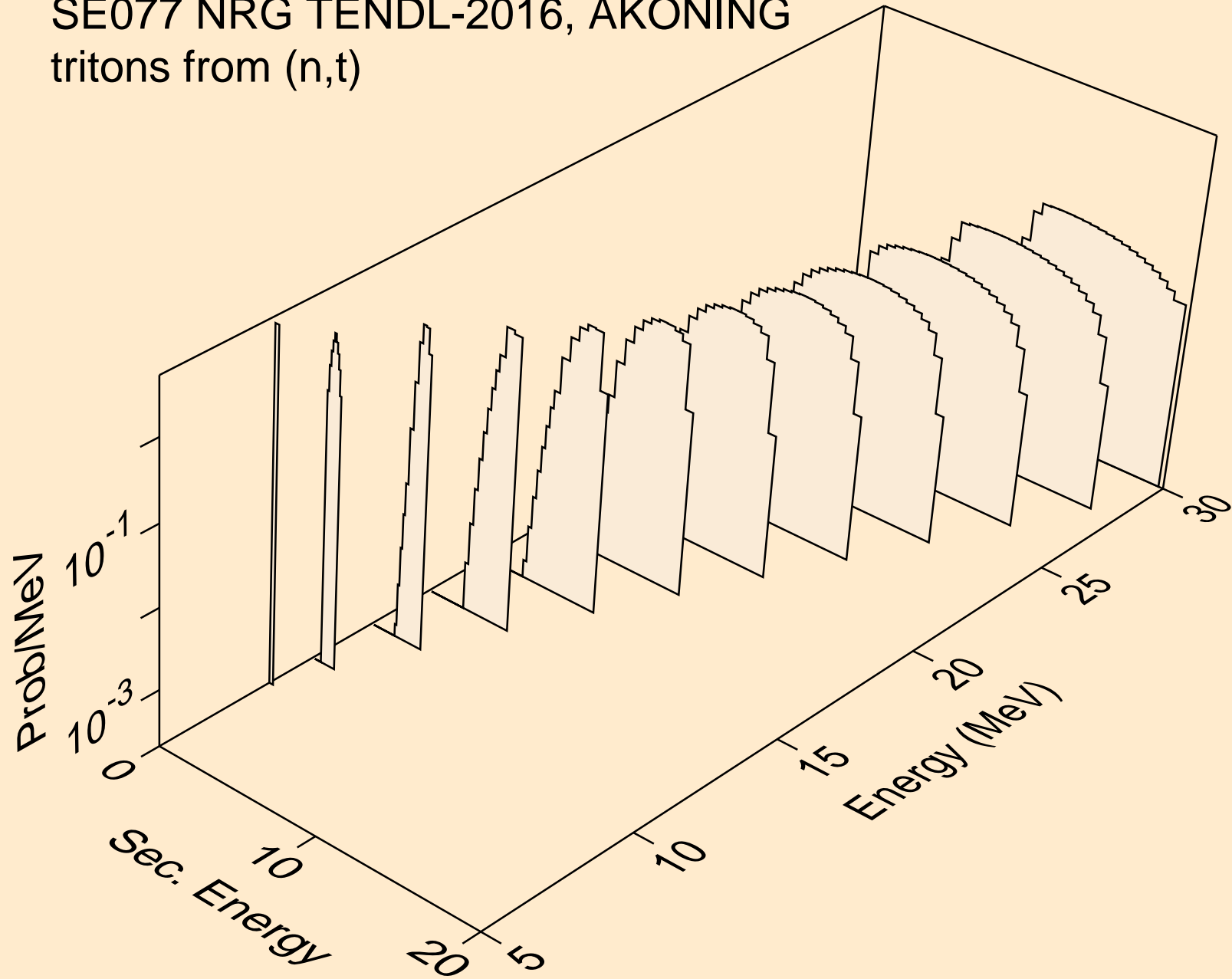
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tritons from (n,x)



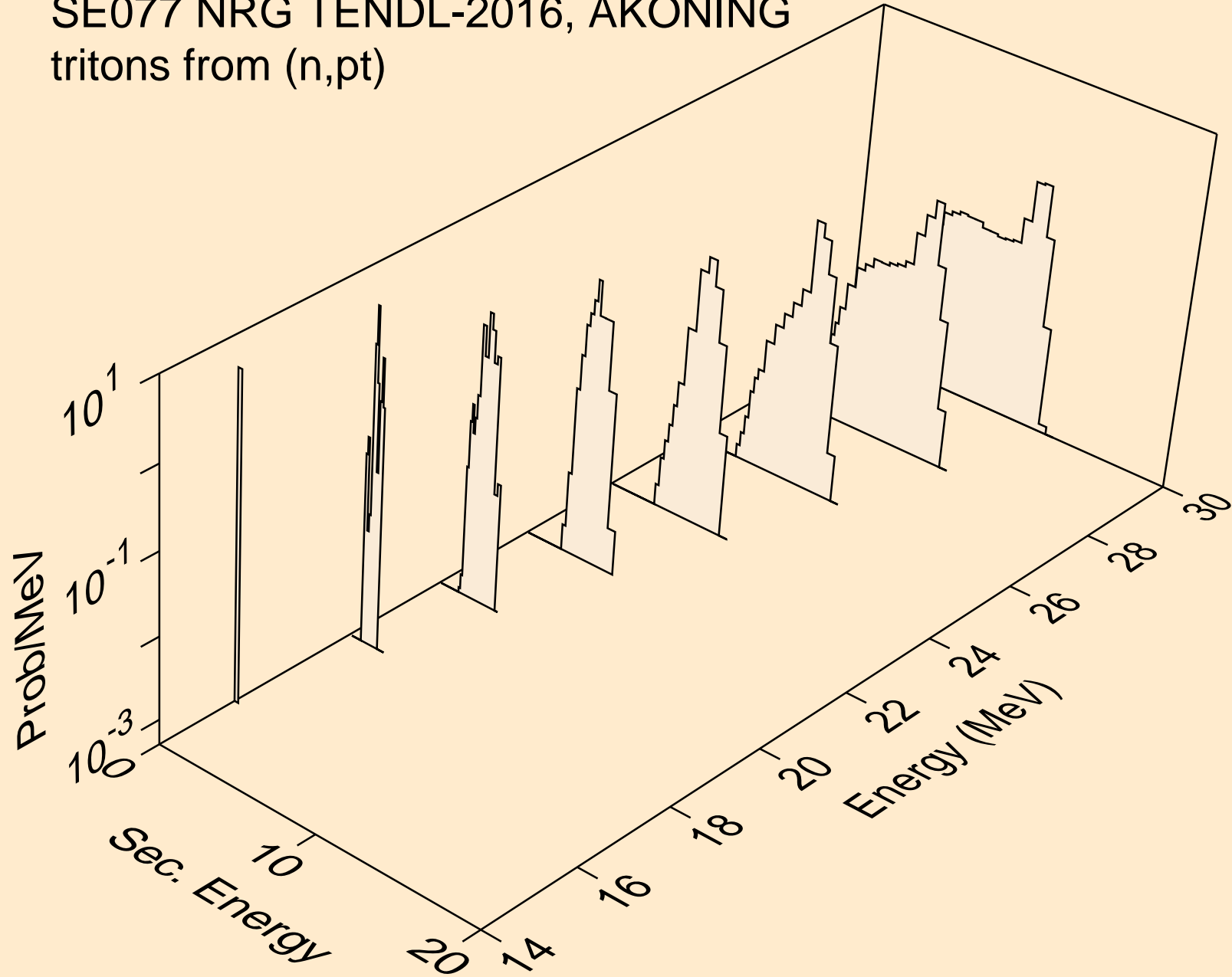
SE077 NRG TENDL-2016, AKONING  
tritons from (n,n\*)t



SE077 NRG TENDL-2016, AKONING  
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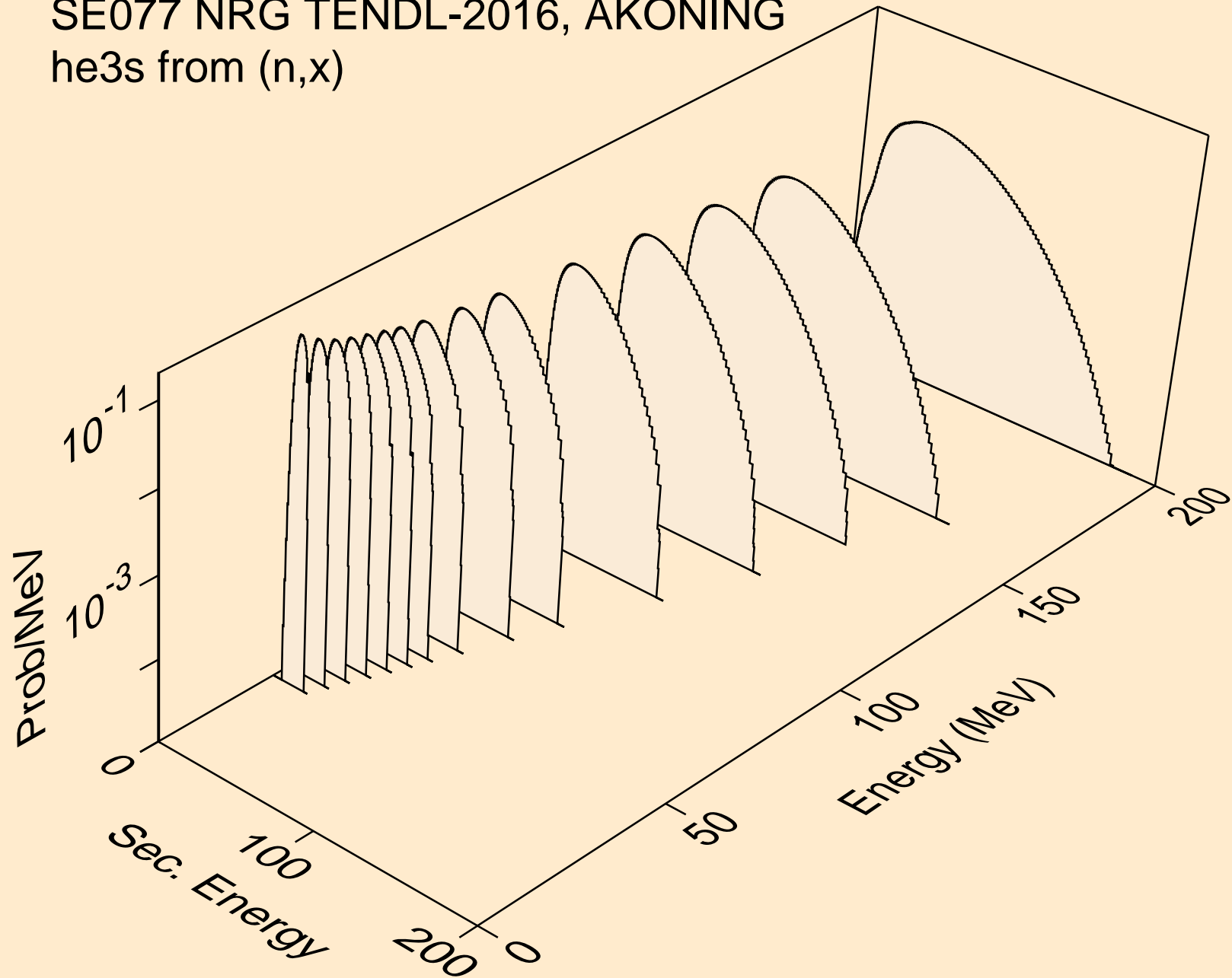


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tritons from (n,pt)

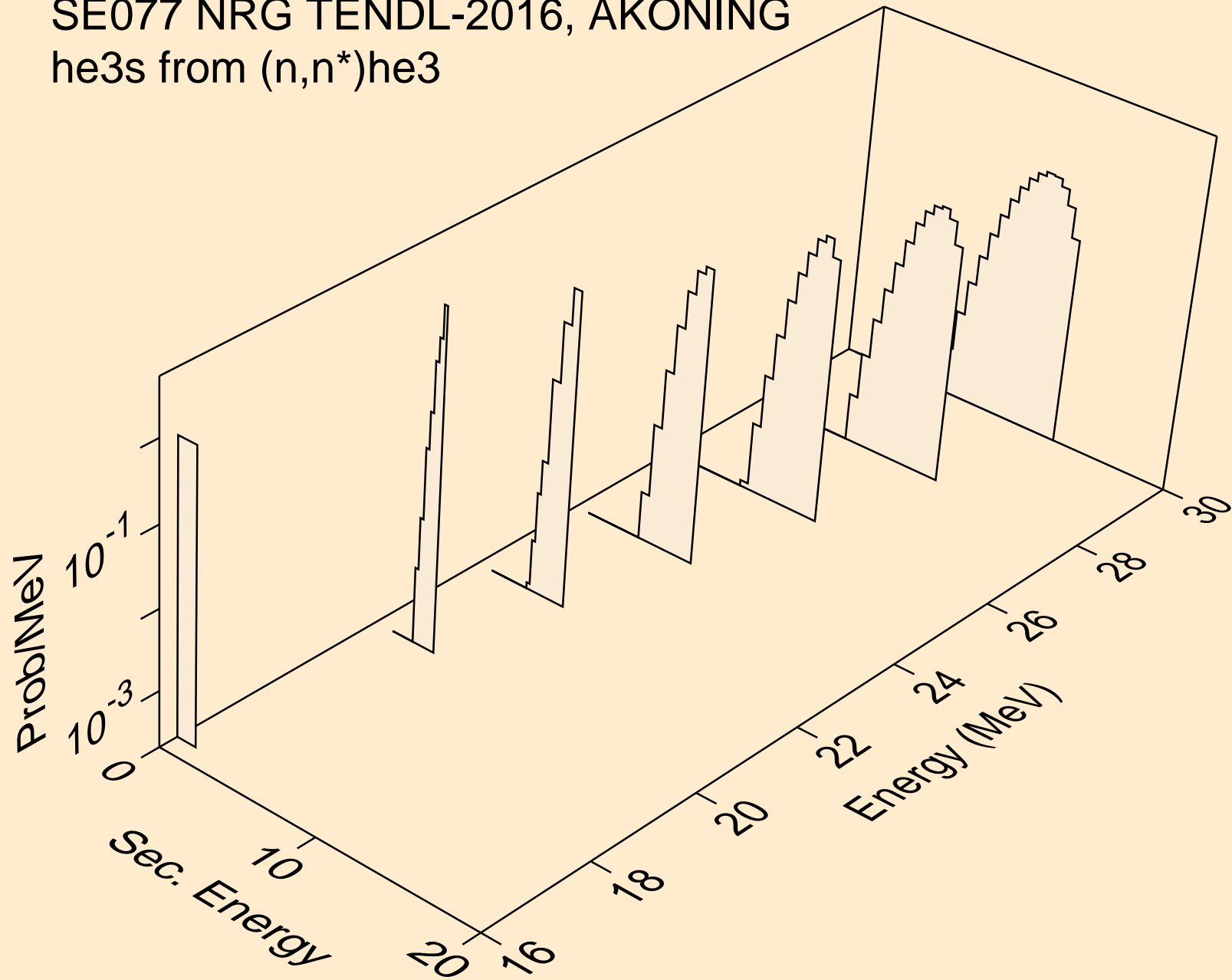




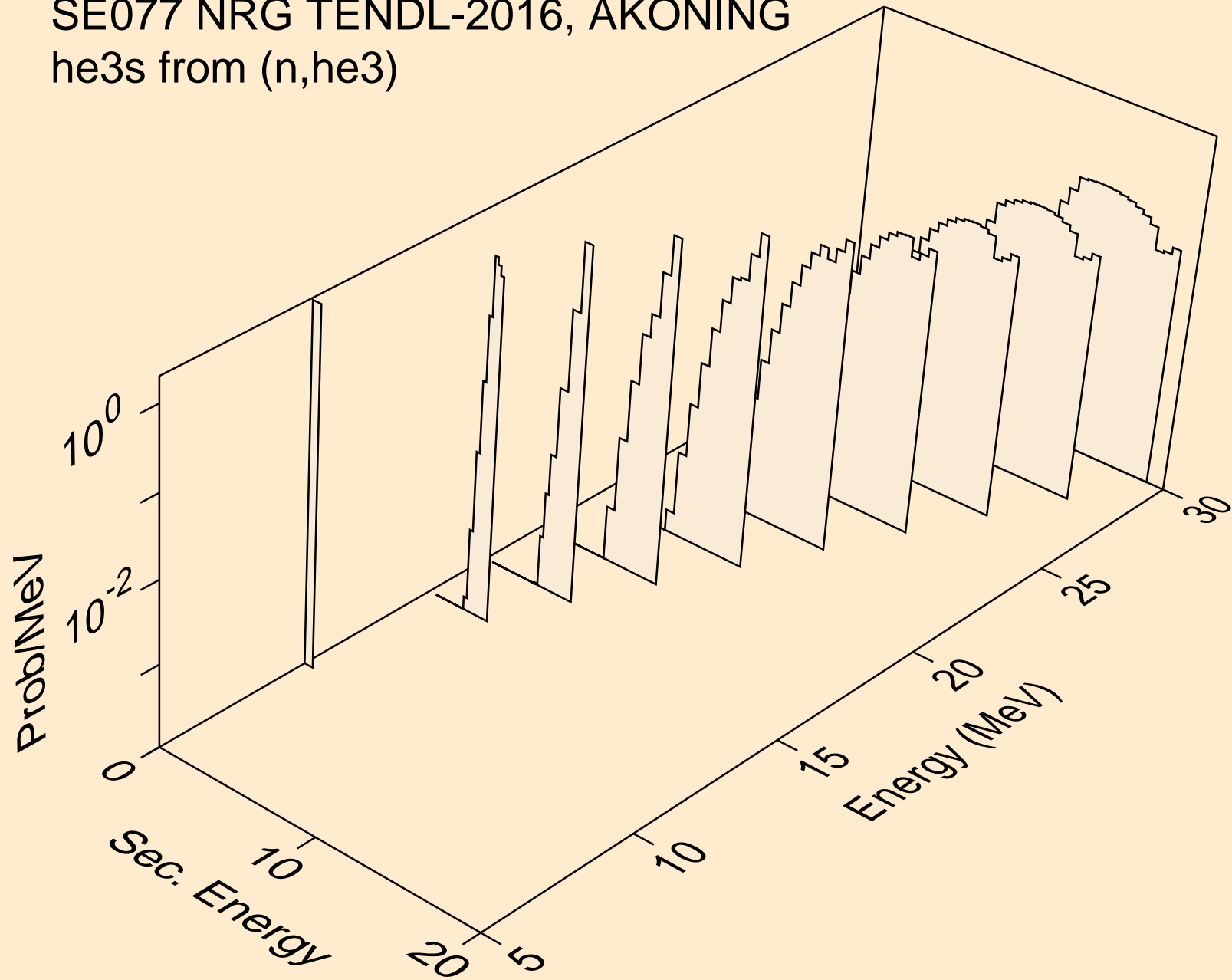
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he3s from (n,x)



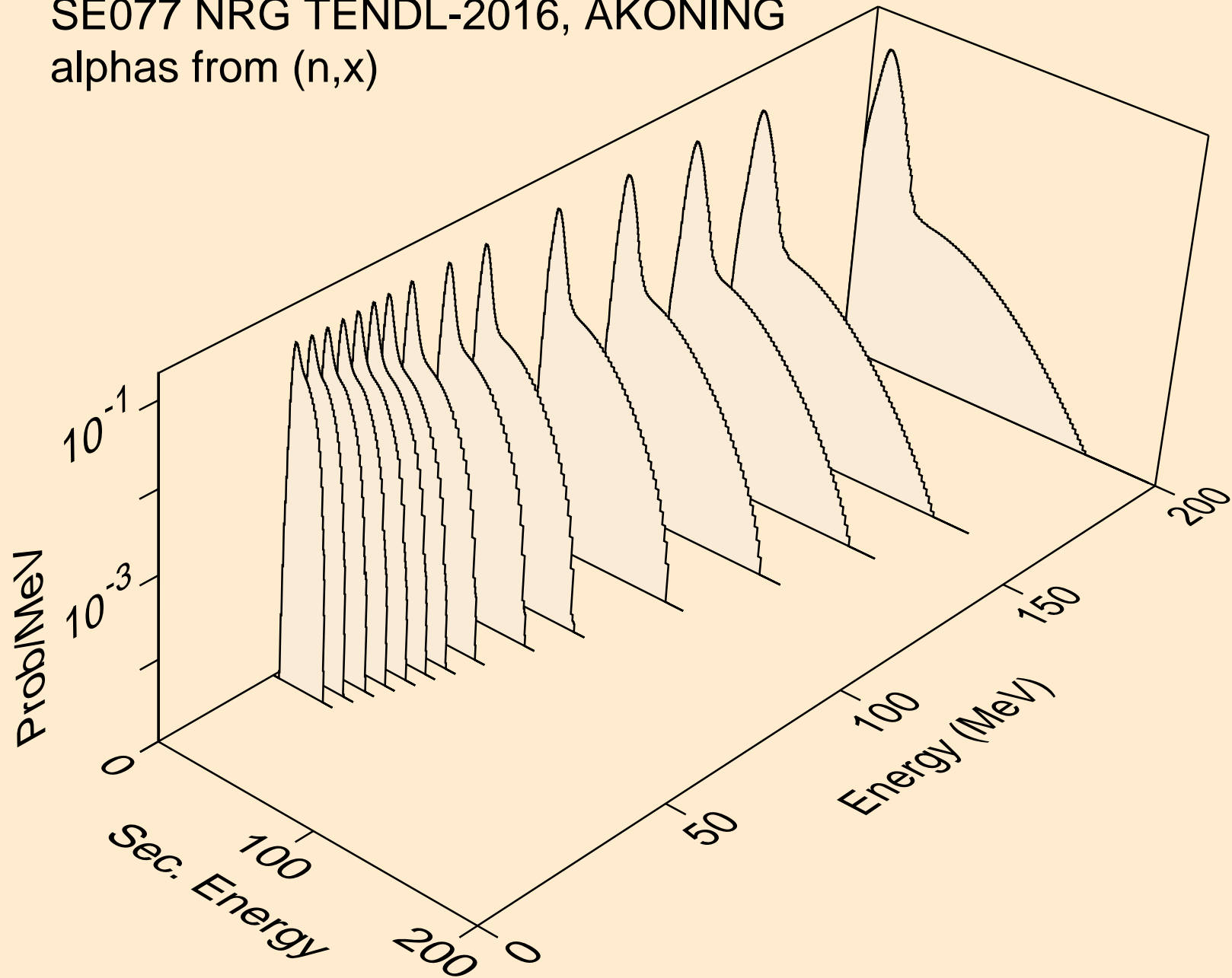
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he3s from (n,n\*)he3



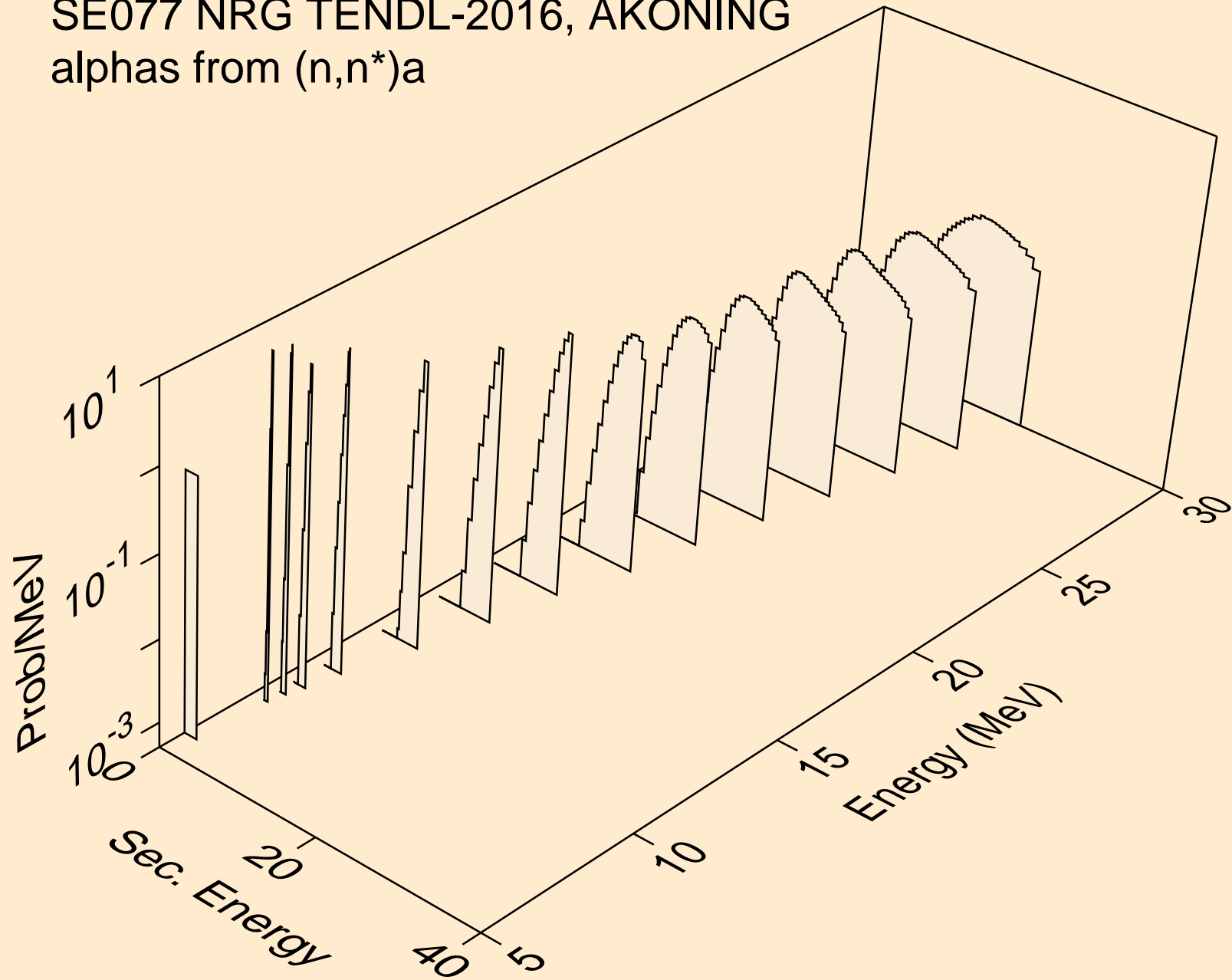
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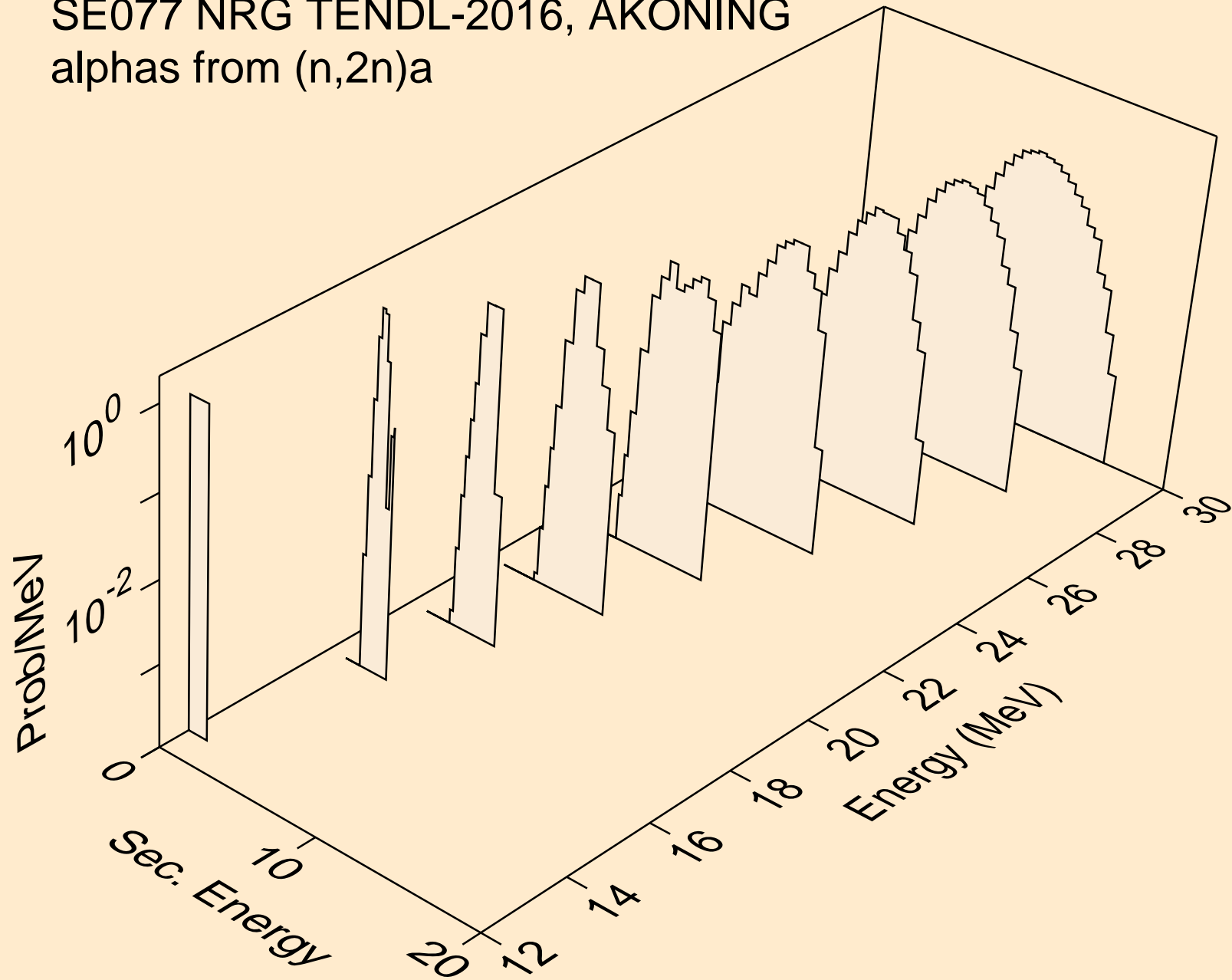
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alphas from (n,x)



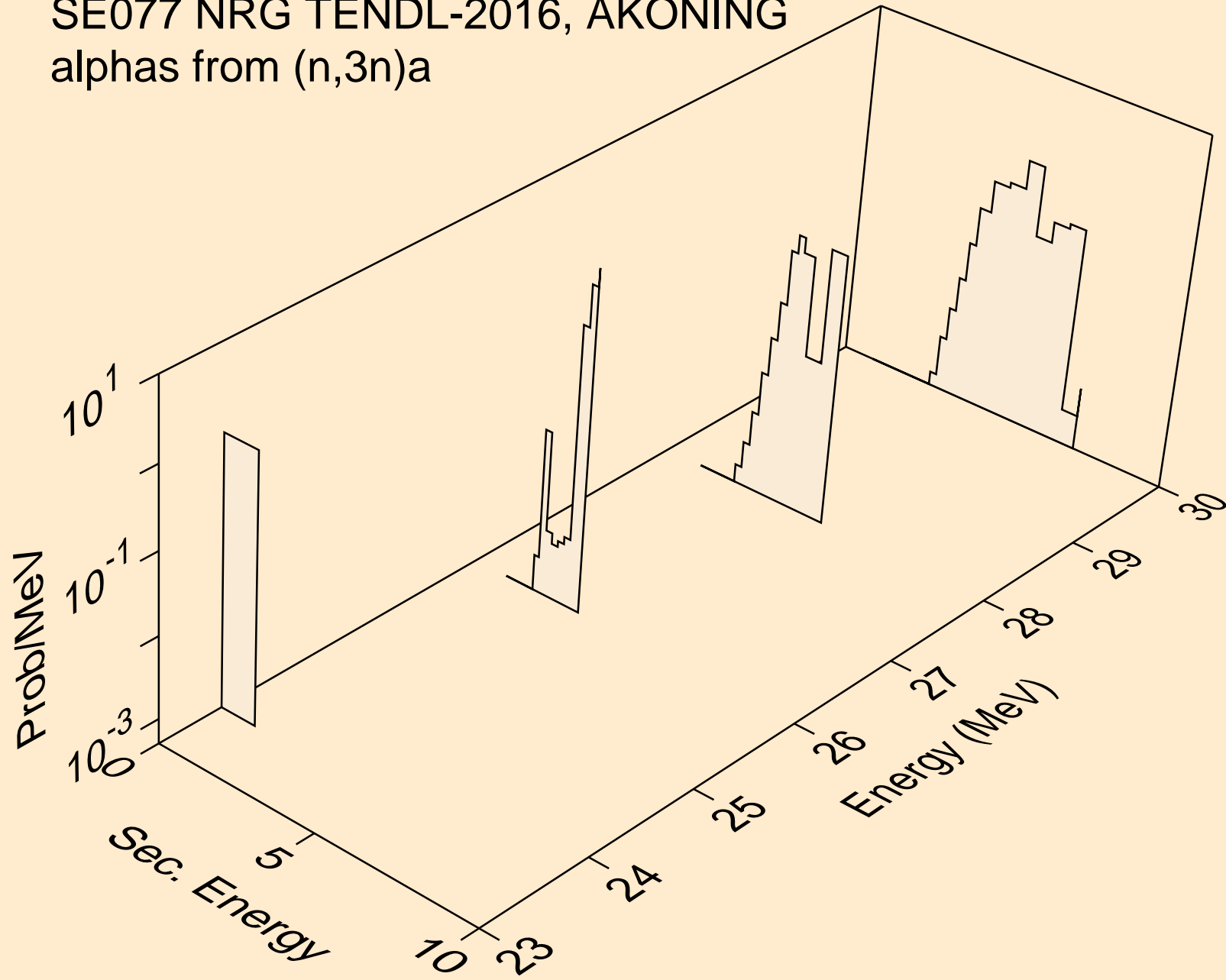
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alphas from (n,n\*)a



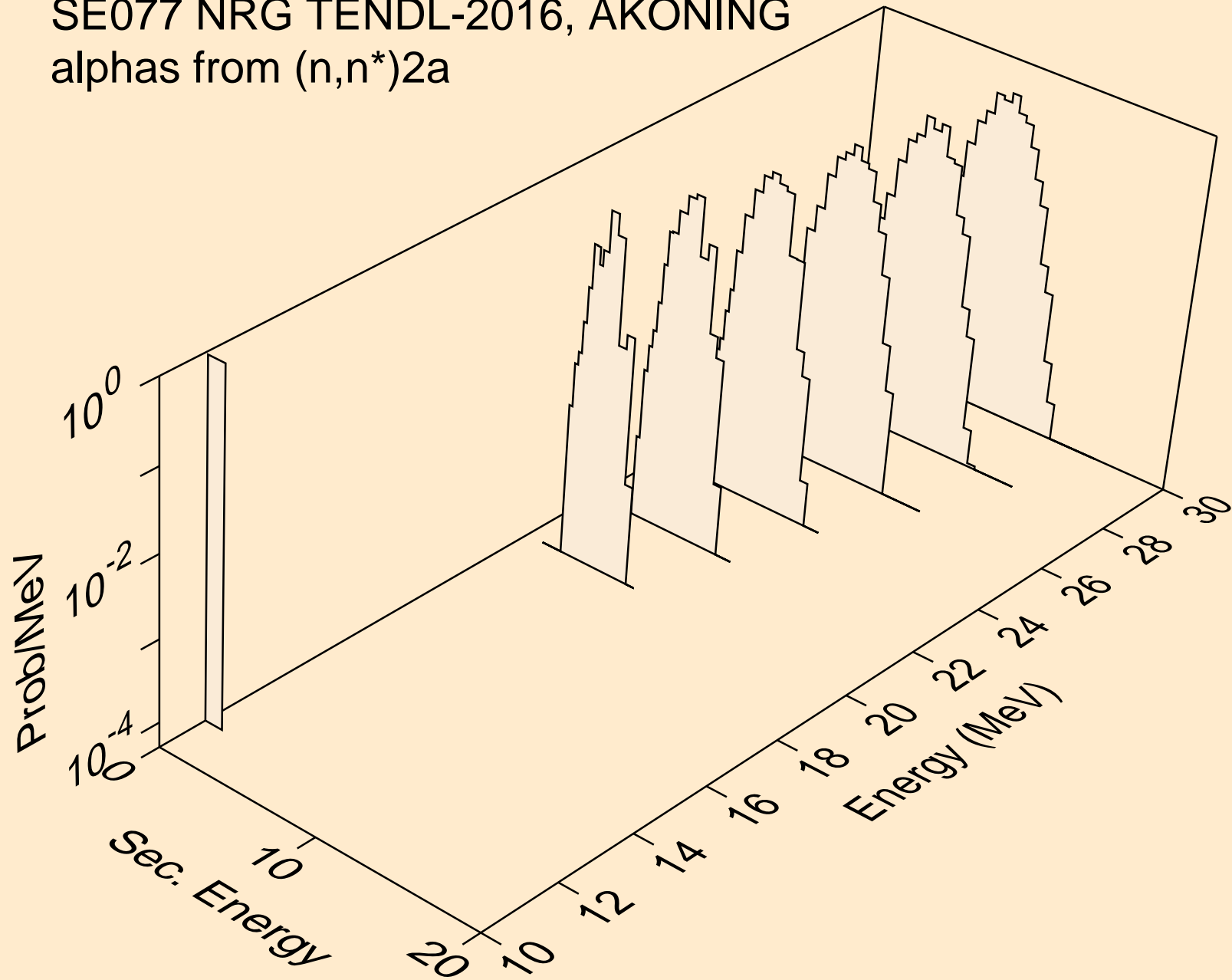
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alphas from (n,2n)a



SE077 NRG TENDL-2016, AKONING  
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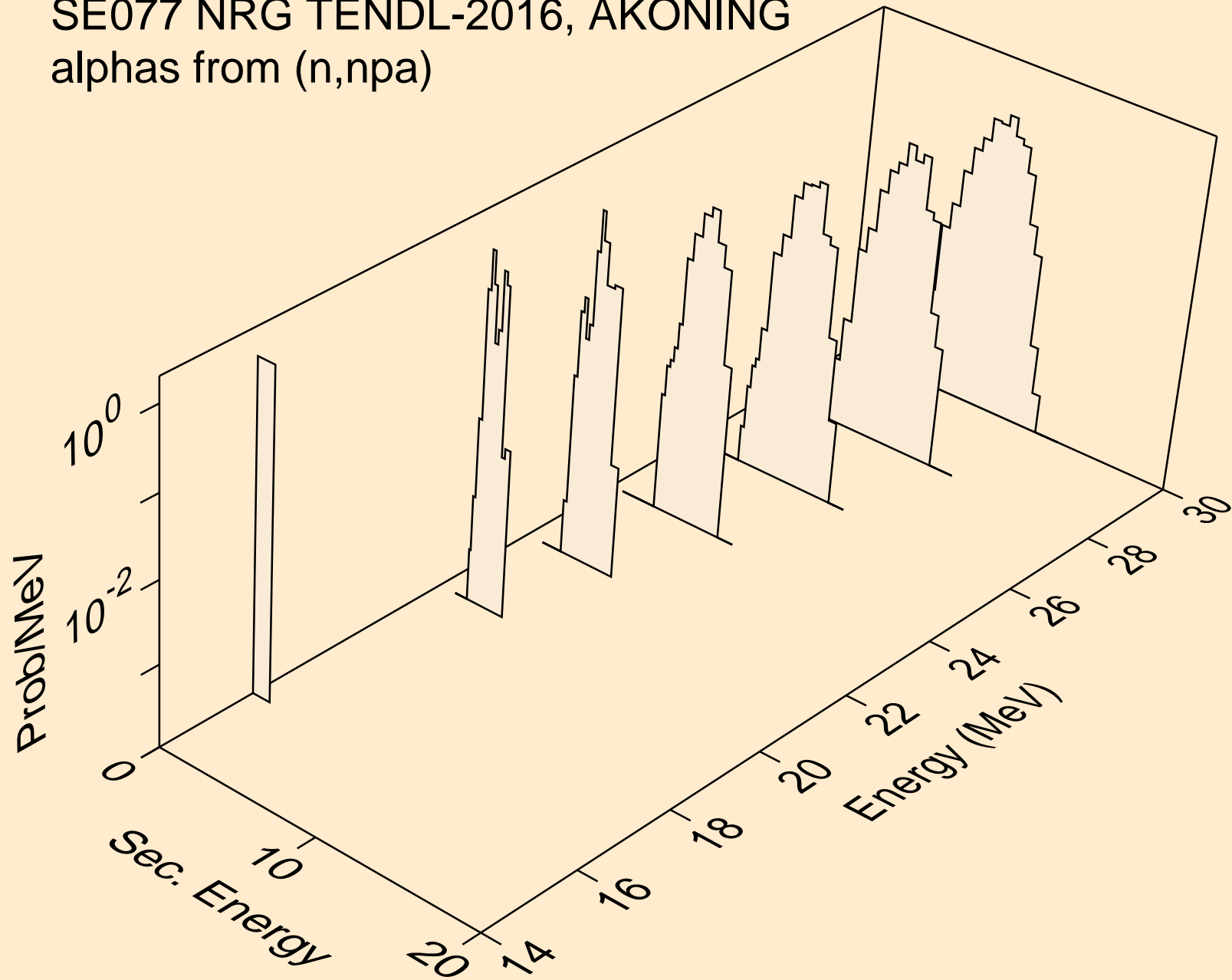


SE077 NRG TENDL-2016, AKONING  
alphas from (n,n\*)2a

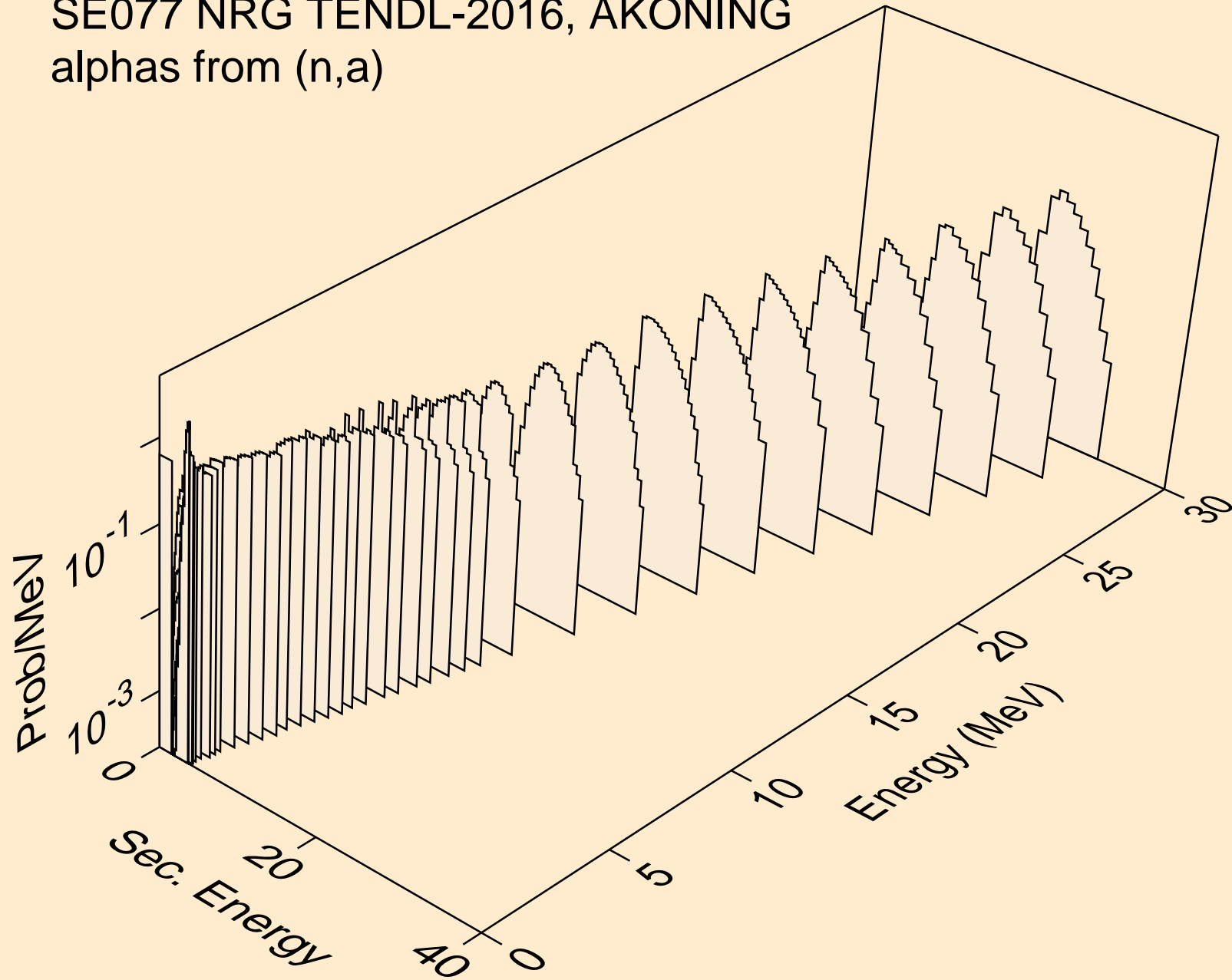




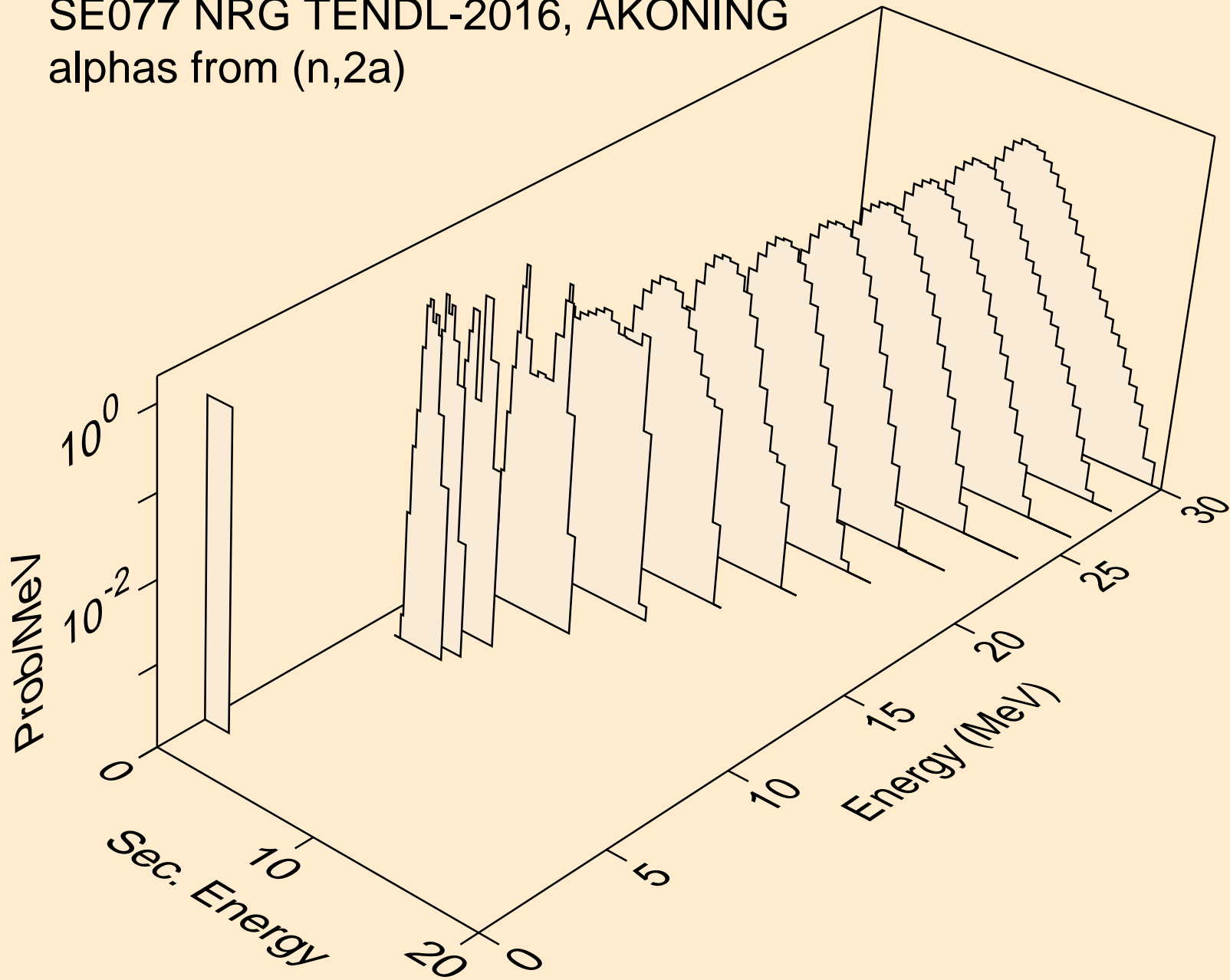
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alphas from (n,npa)



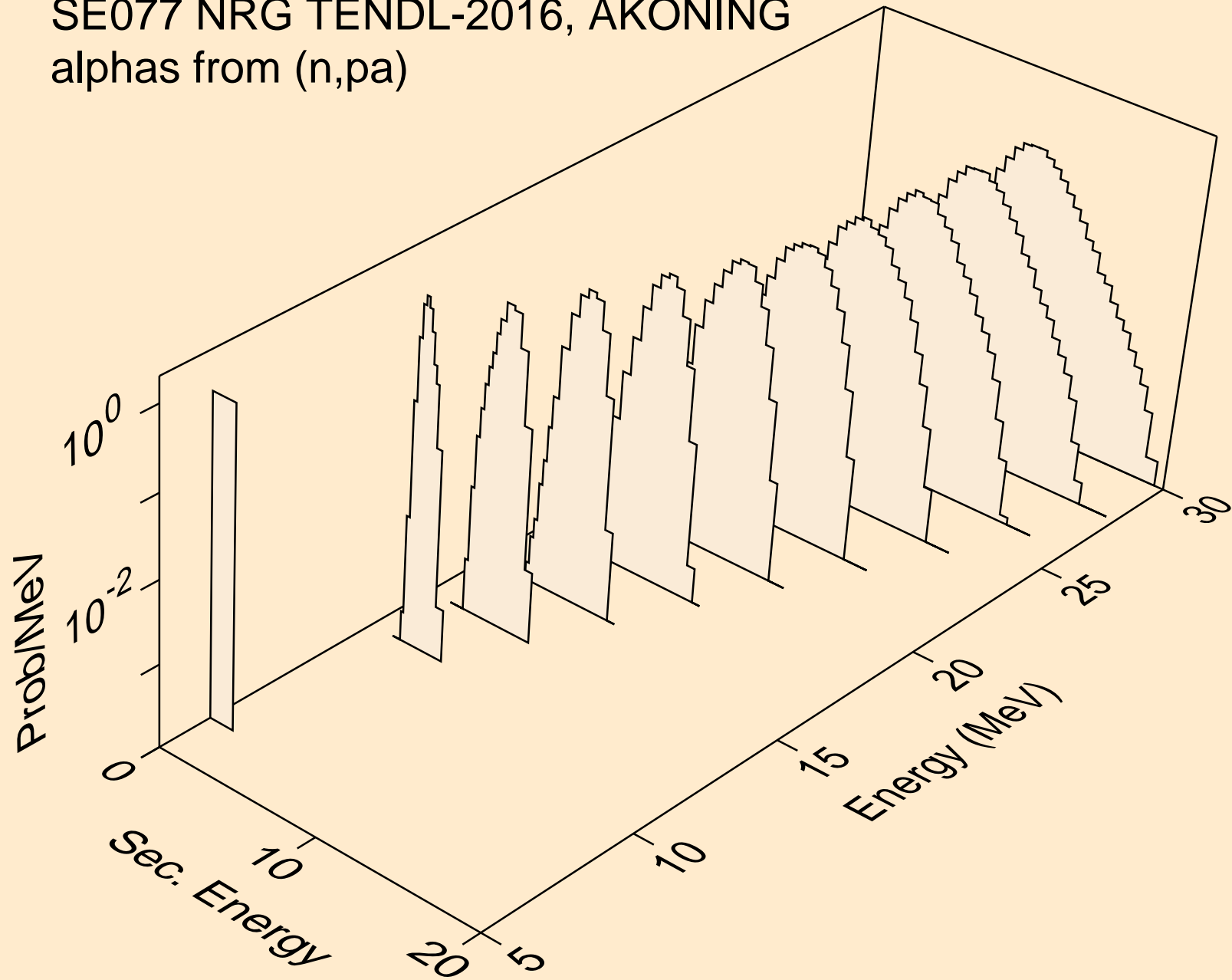
SE077 NRG TENDL-2016, AKONING  
alphas from (n,a)



SE077 NRG TENDL-2016, AKONING  
alphas from (n,2a)



SE077 NRG TENDL-2016, AKONING  
alphas from (n,pa)



SE077 NRG TENDL-2016, AKONING  
alphas from (n,da)

