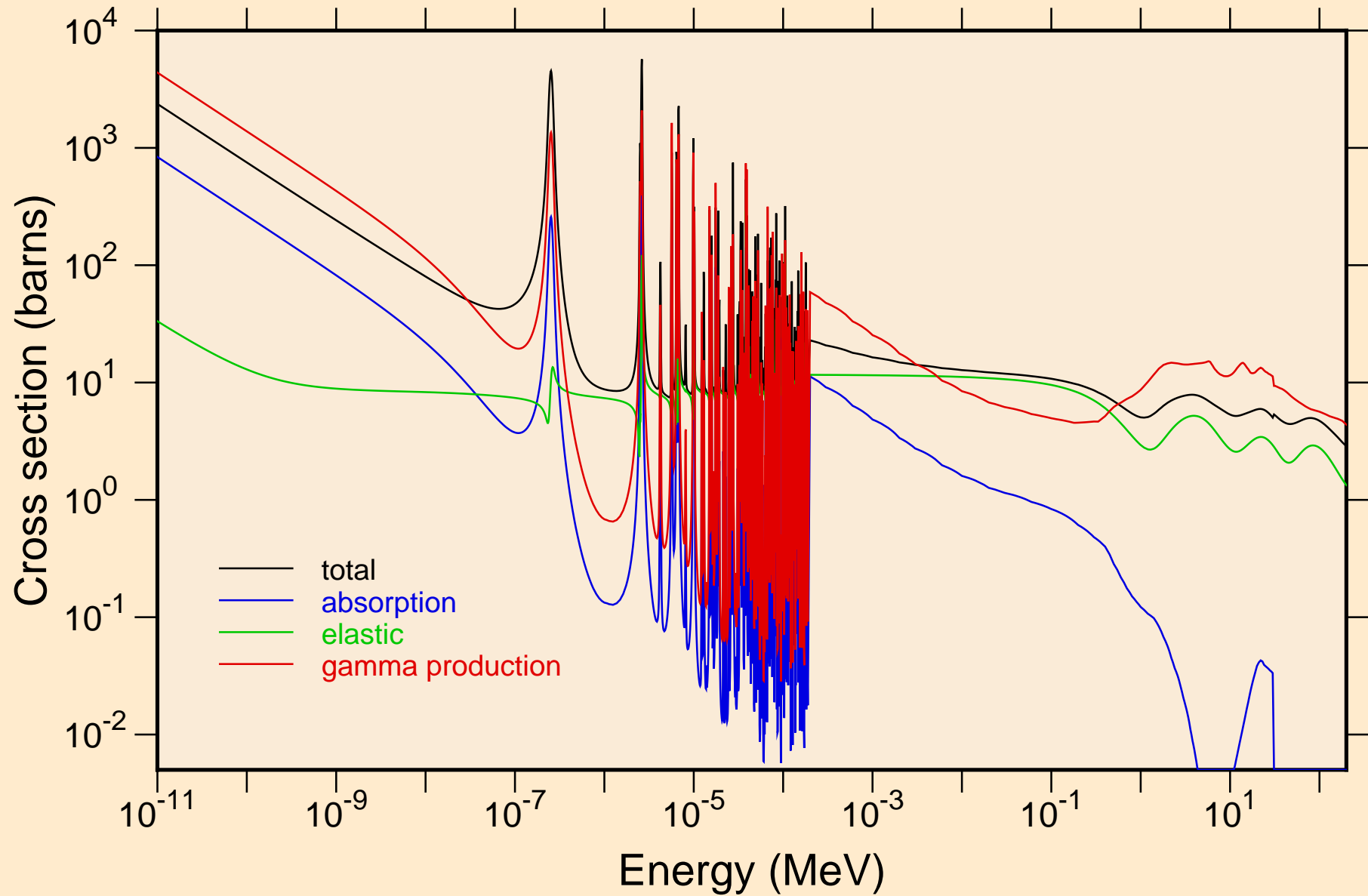
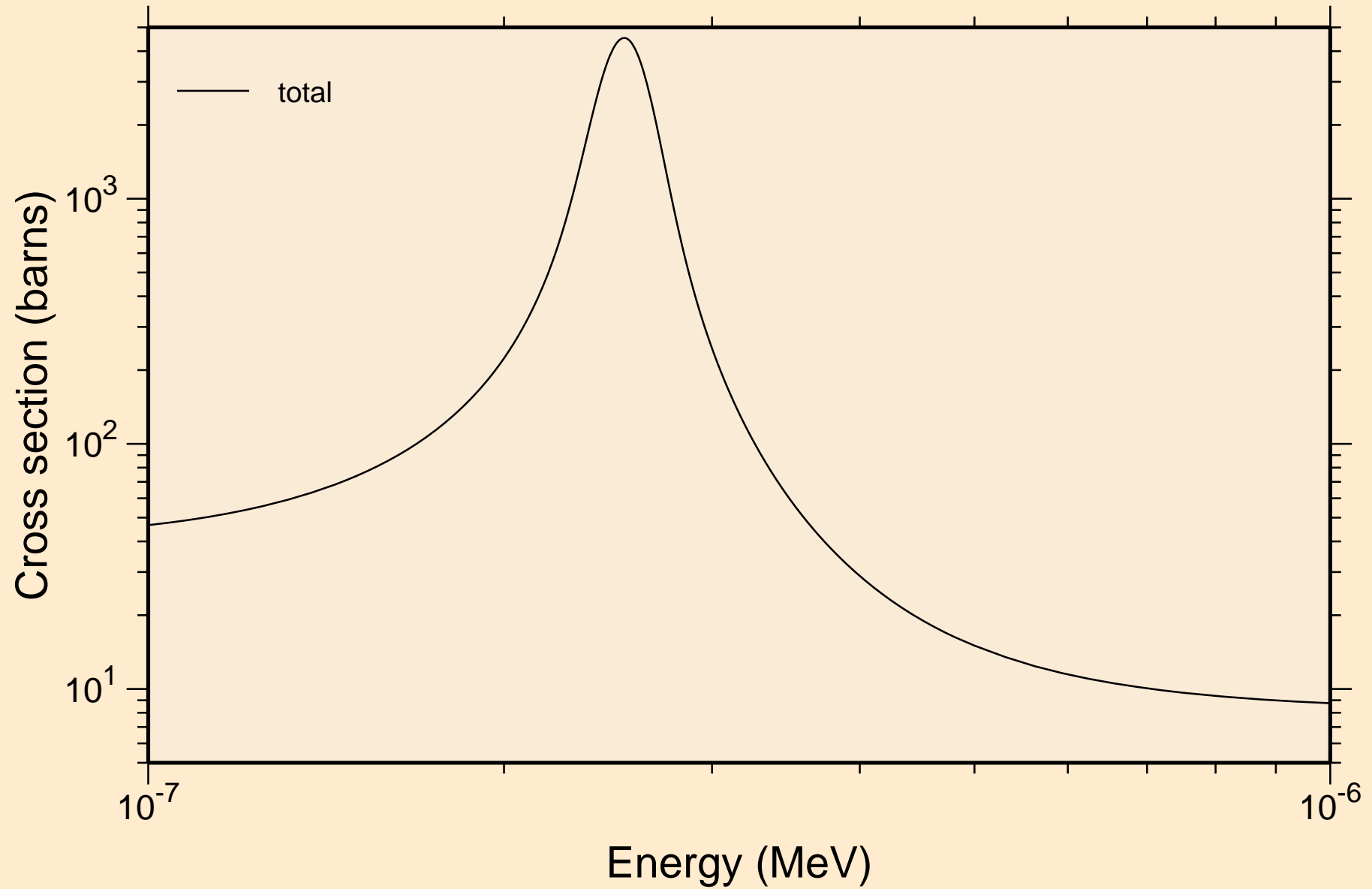


# AC224 NRG TENDL-2015, AKONING

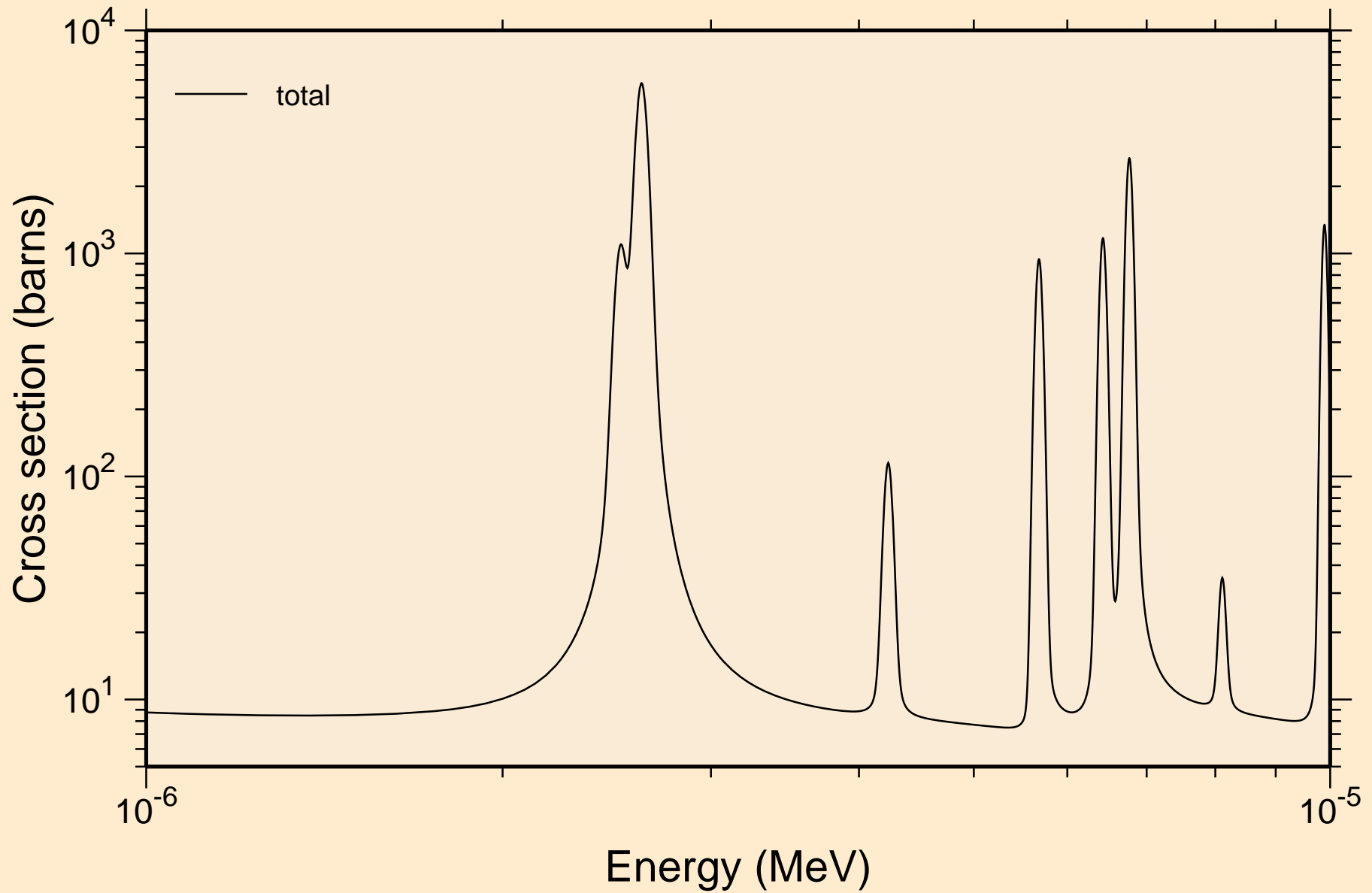
## Principal cross sections



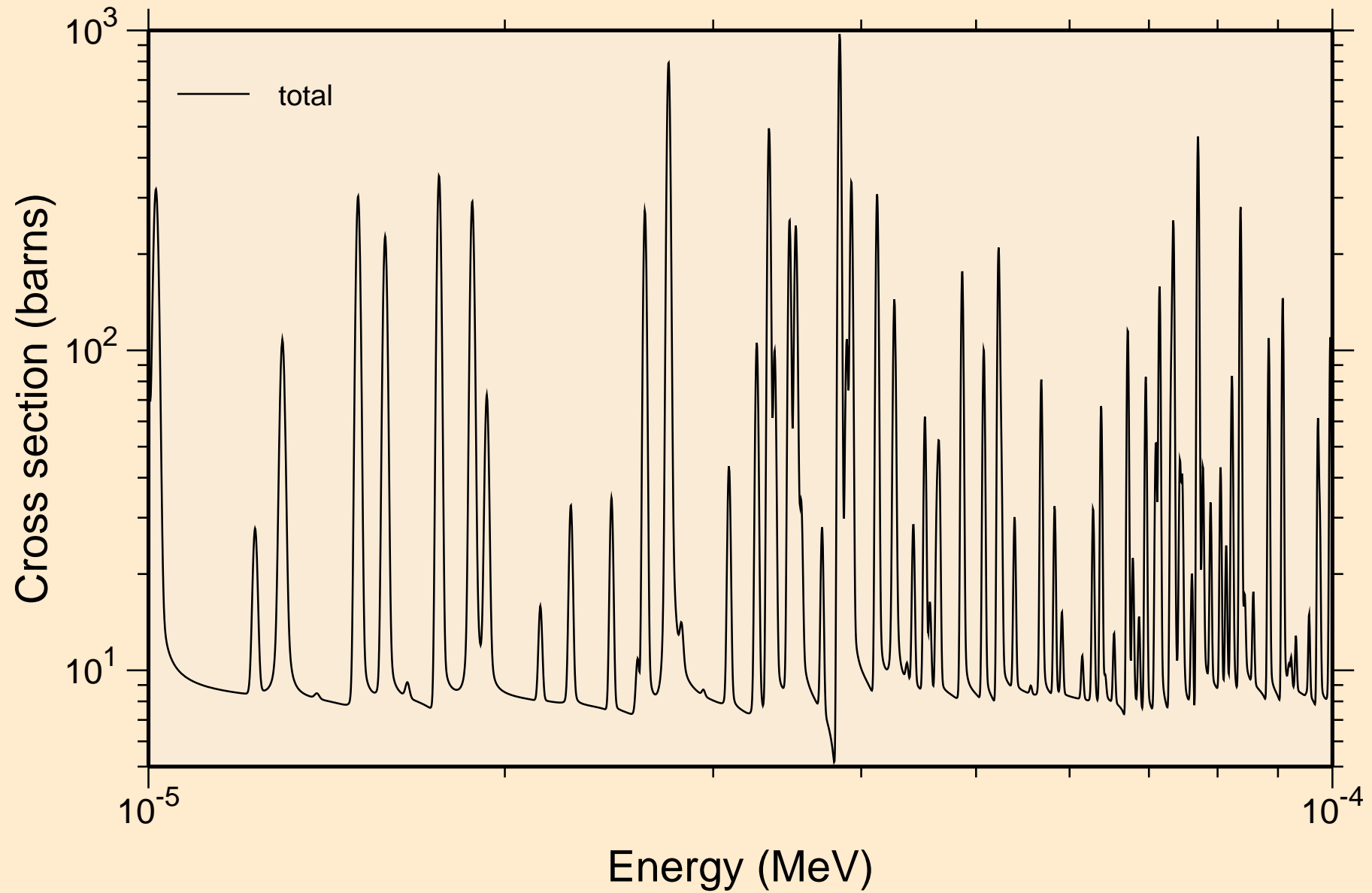
AC224 NRG TENDL-2015, AKONING  
resonance total cross section



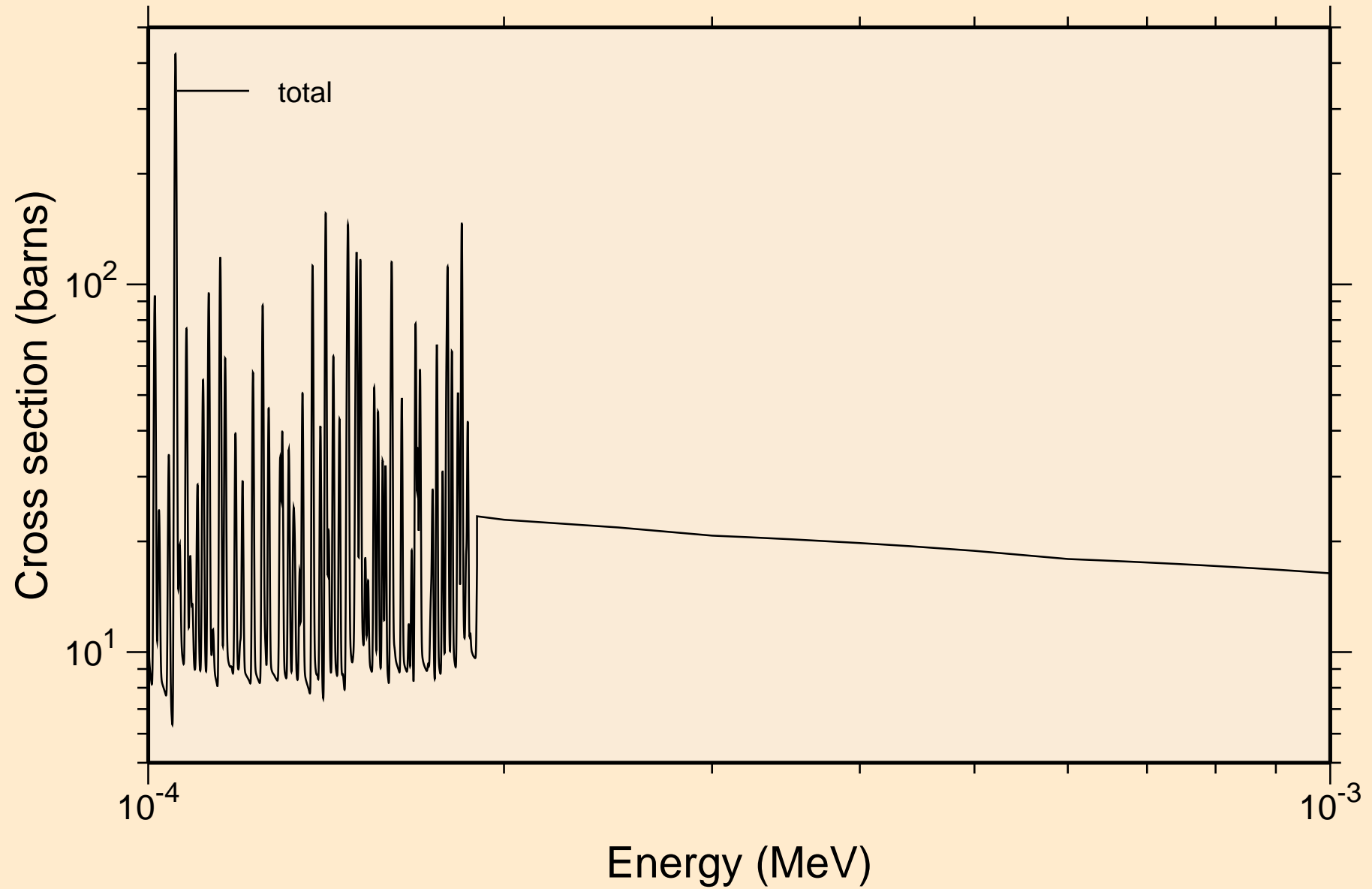
AC224 NRG TENDL-2015, AKONING  
resonance total cross section



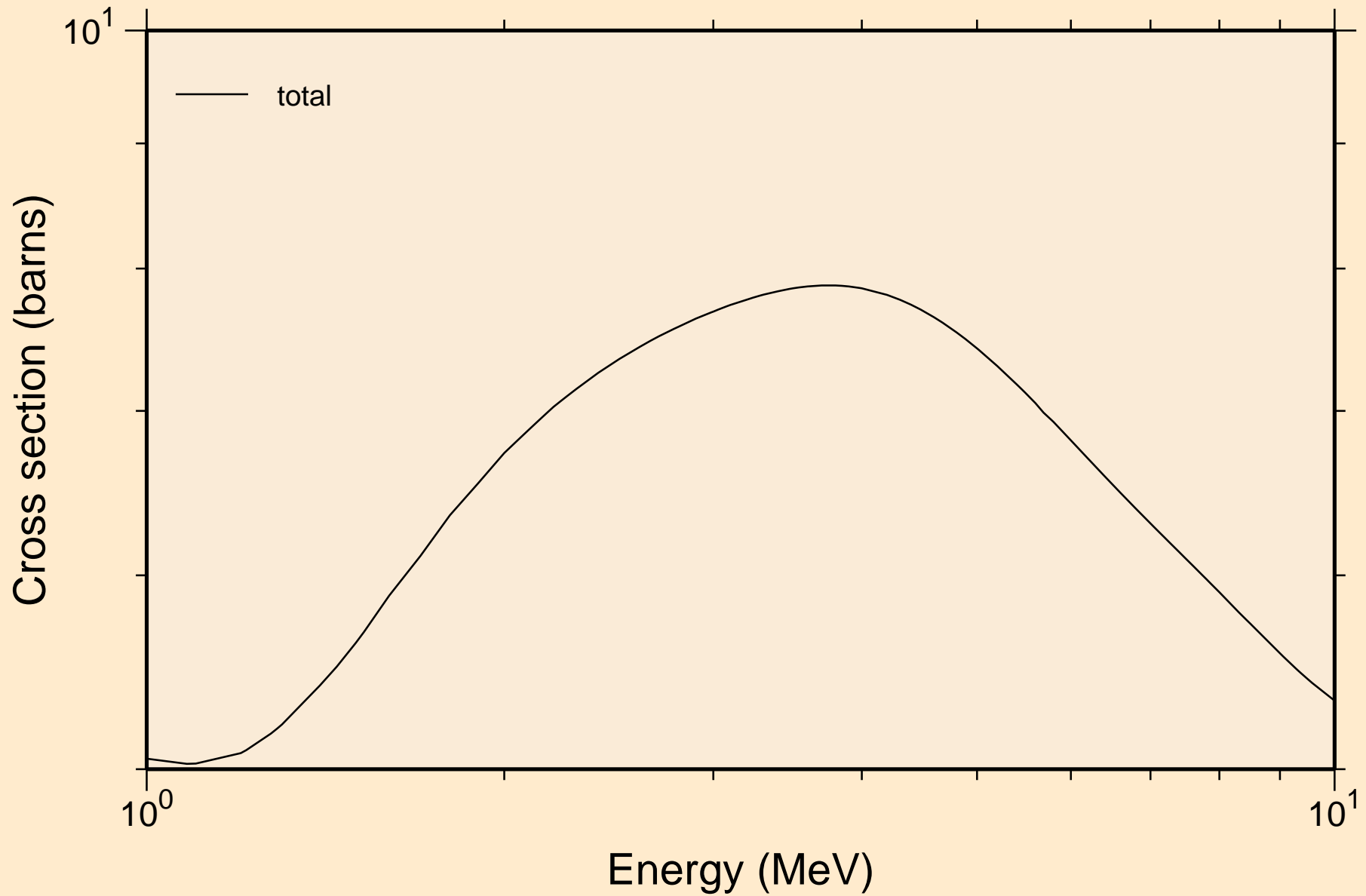
AC224 NRG TENDL-2015, AKONING  
resonance total cross section



AC224 NRG TENDL-2015, AKONING  
resonance total cross section

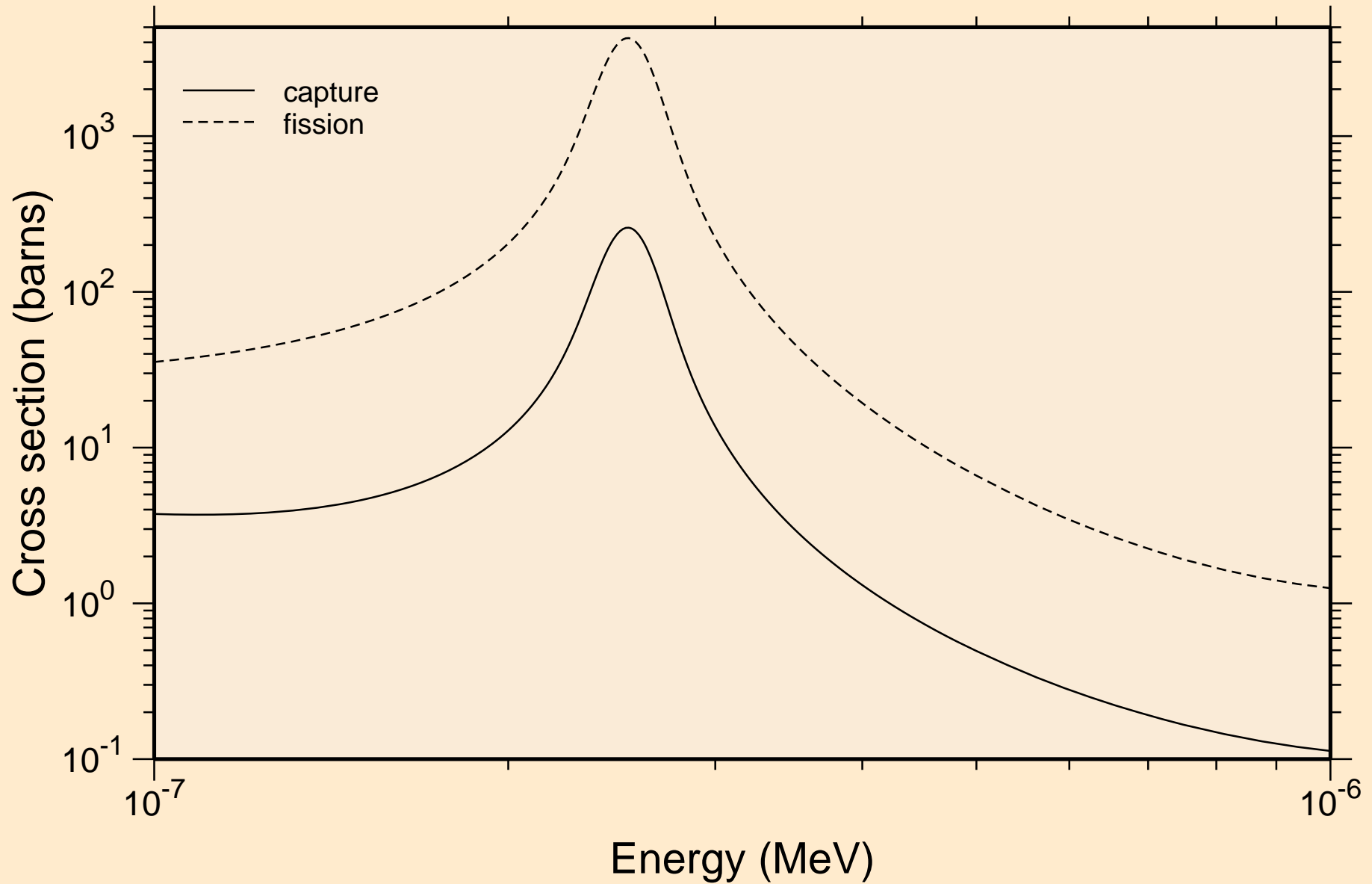


AC224 NRG TENDL-2015, AKONING  
resonance total cross section



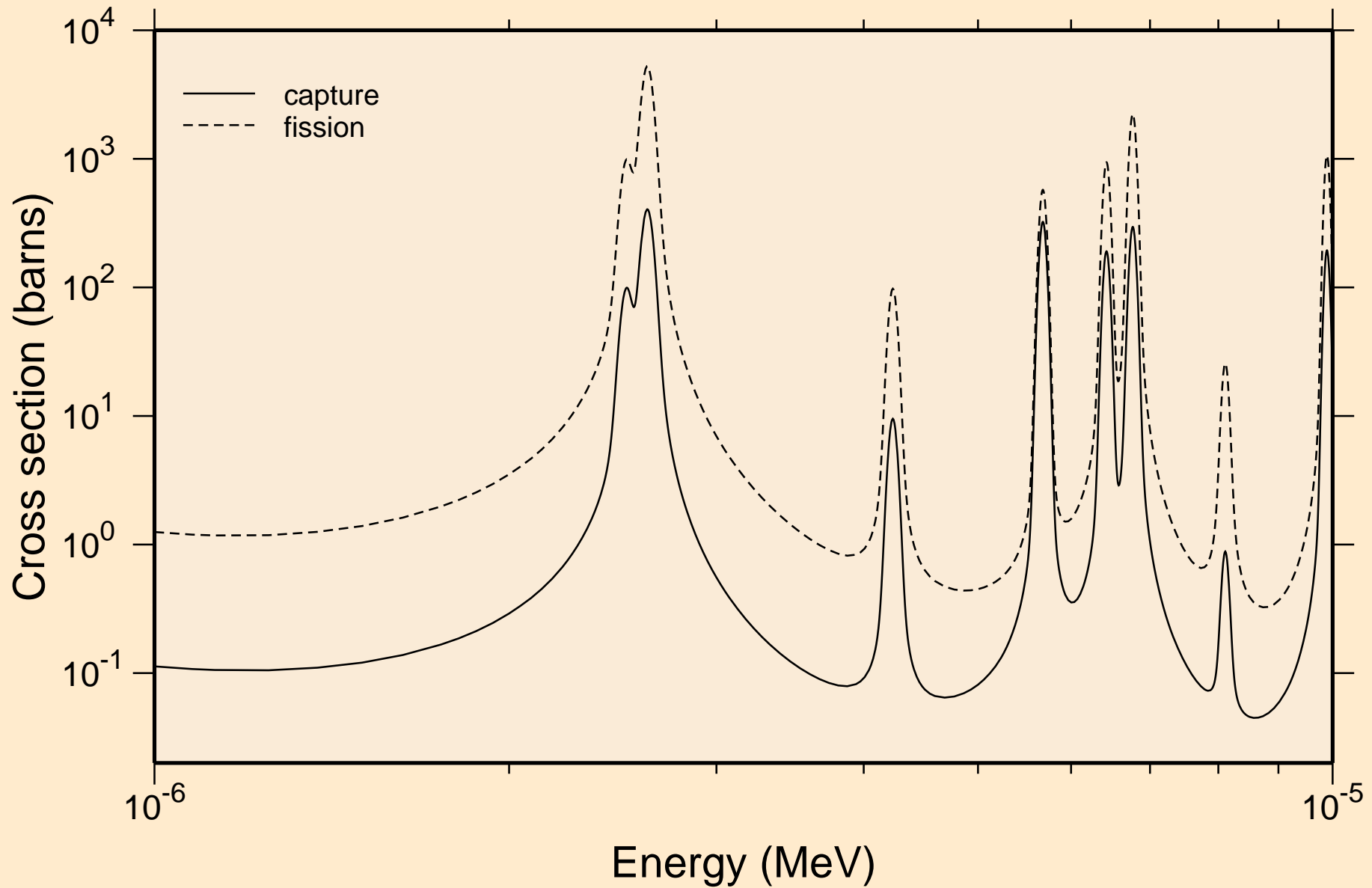
# AC224 NRG TENDL-2015, AKONING

## resonance absorption cross sections



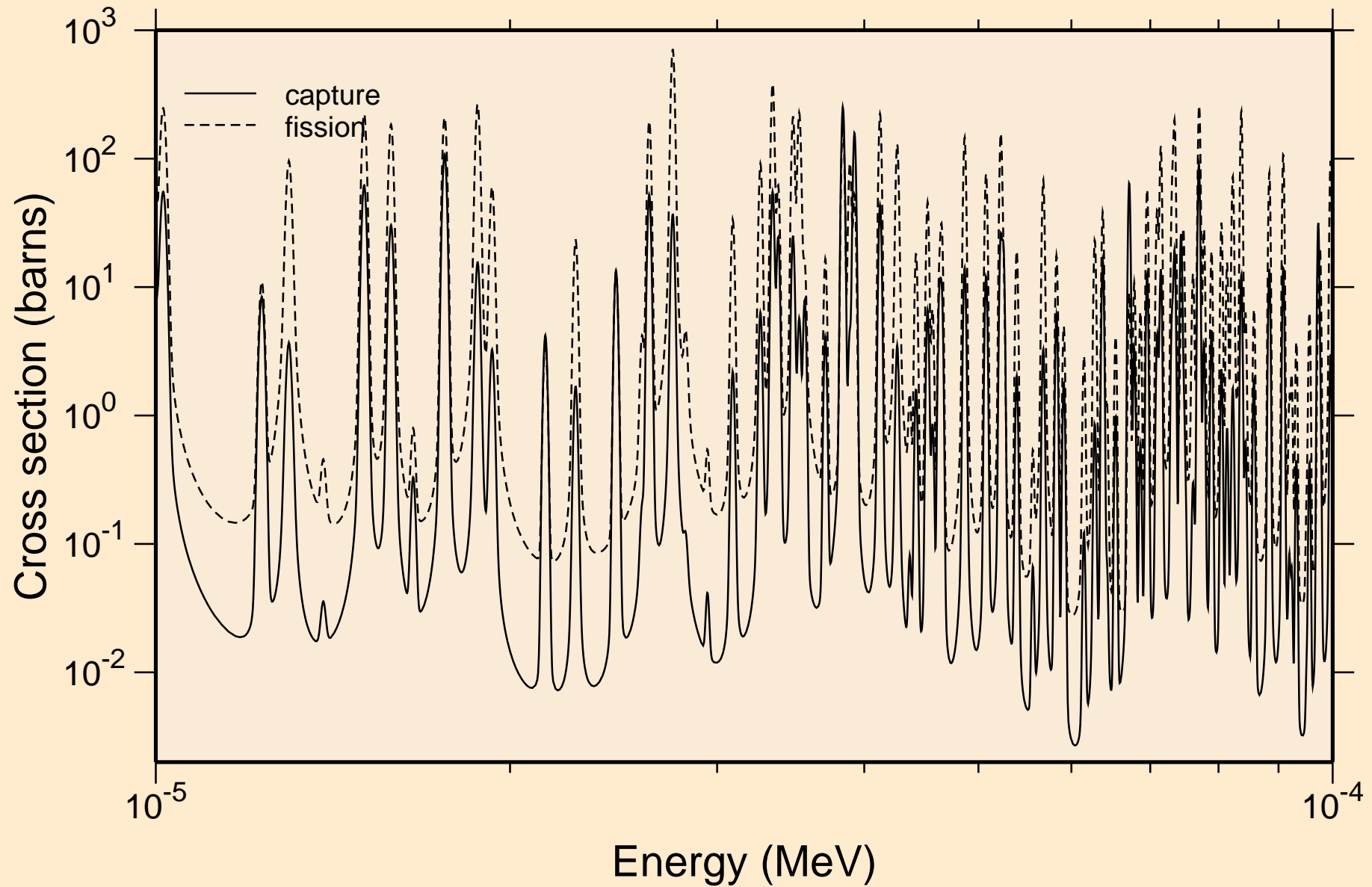
# AC224 NRG TENDL-2015, AKONING

## resonance absorption cross sections

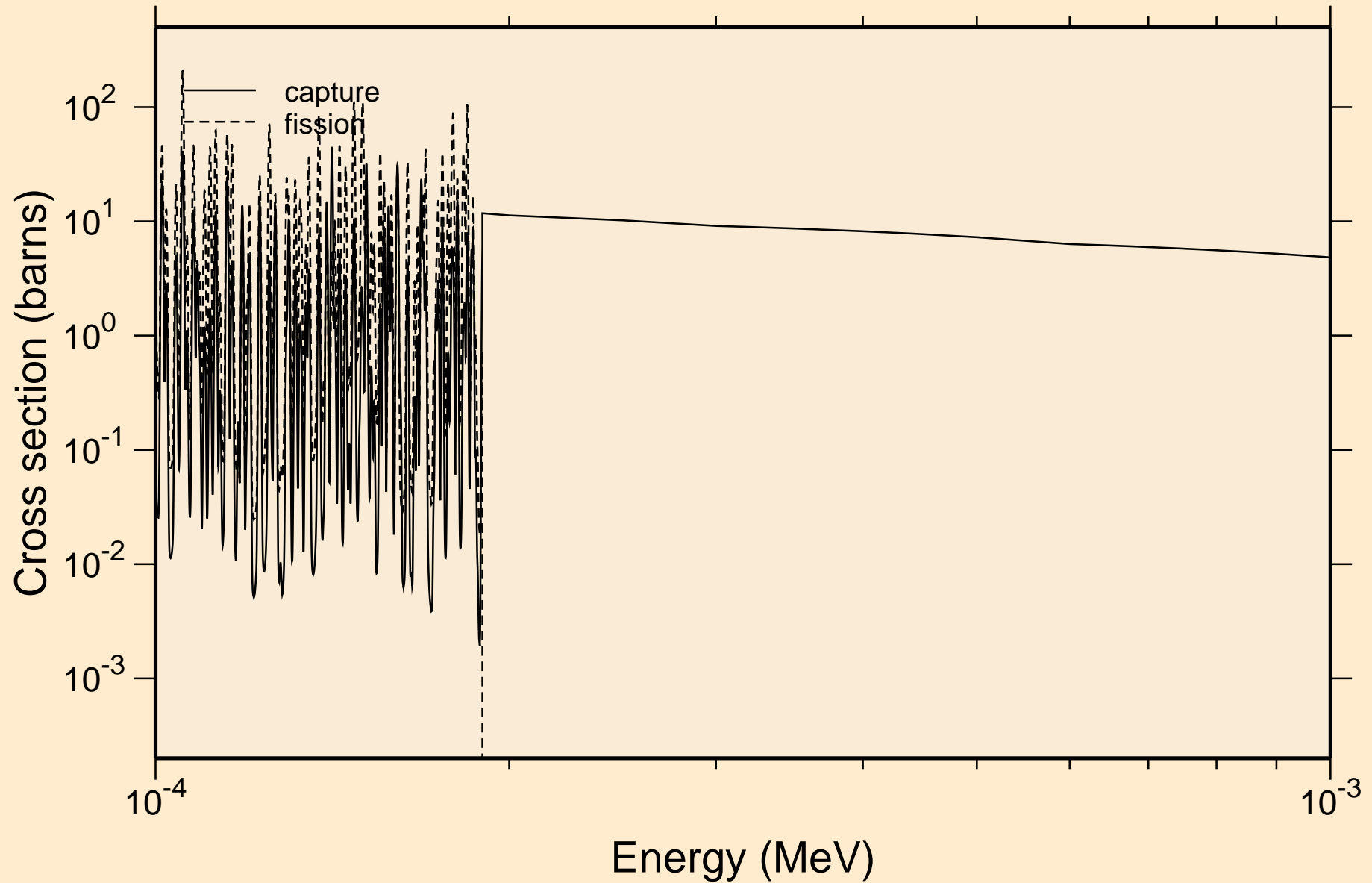




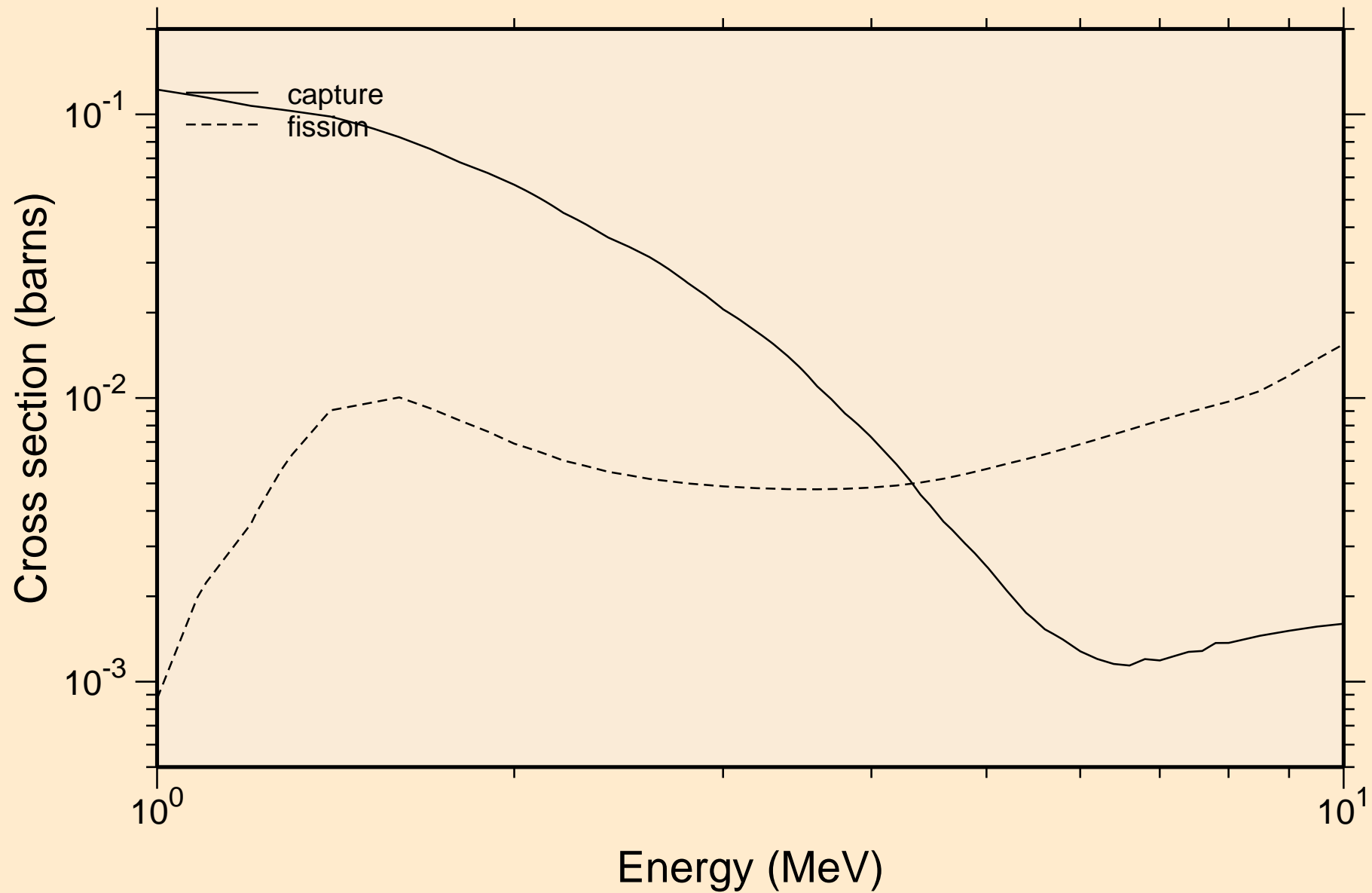
# AC224 NRG TENDL-2015, AKONING resonance absorption cross sections



AC224 NRG TENDL-2015, AKONING  
resonance absorption cross sections

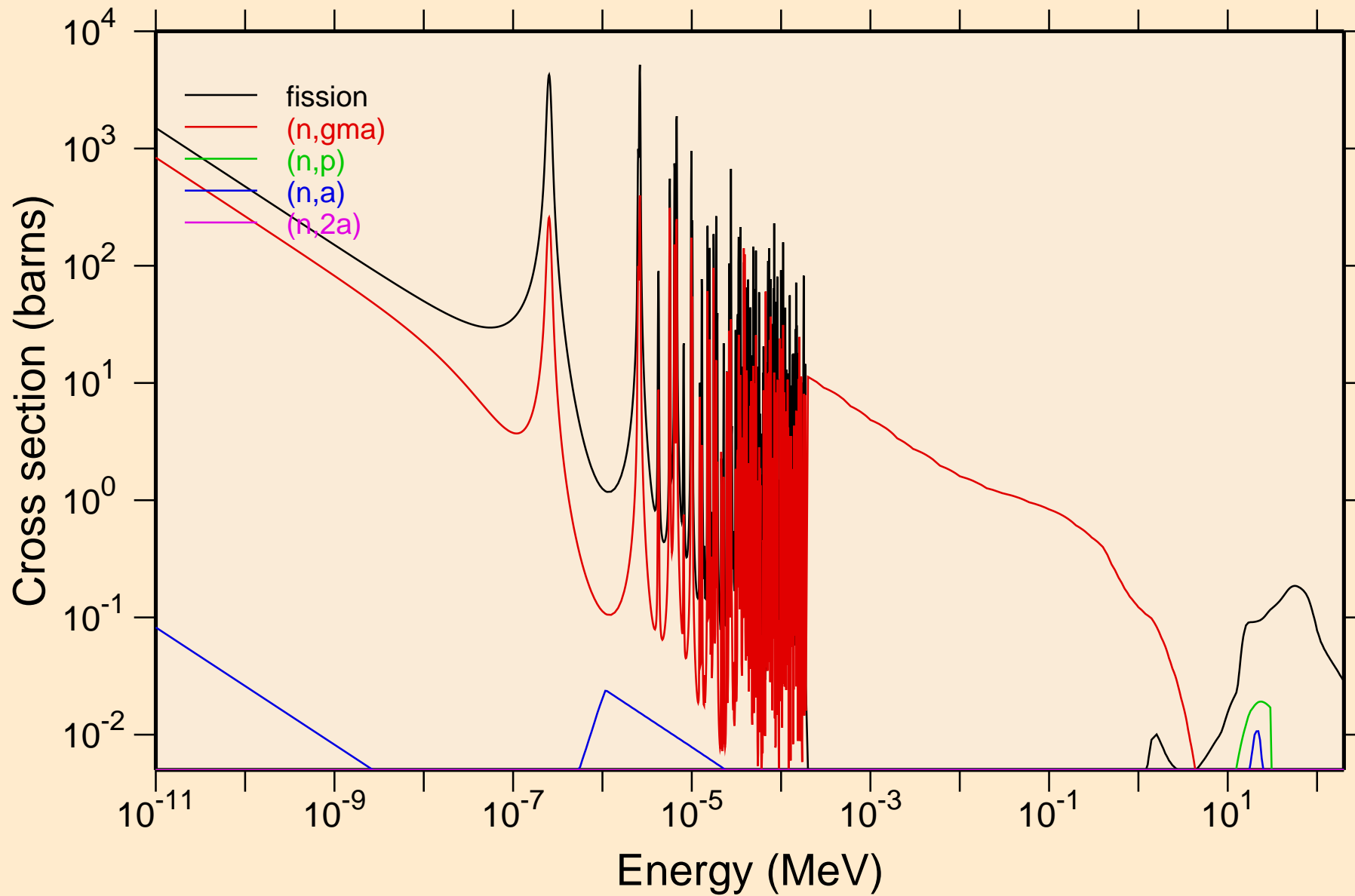


AC224 NRG TENDL-2015, AKONING  
resonance absorption cross sections

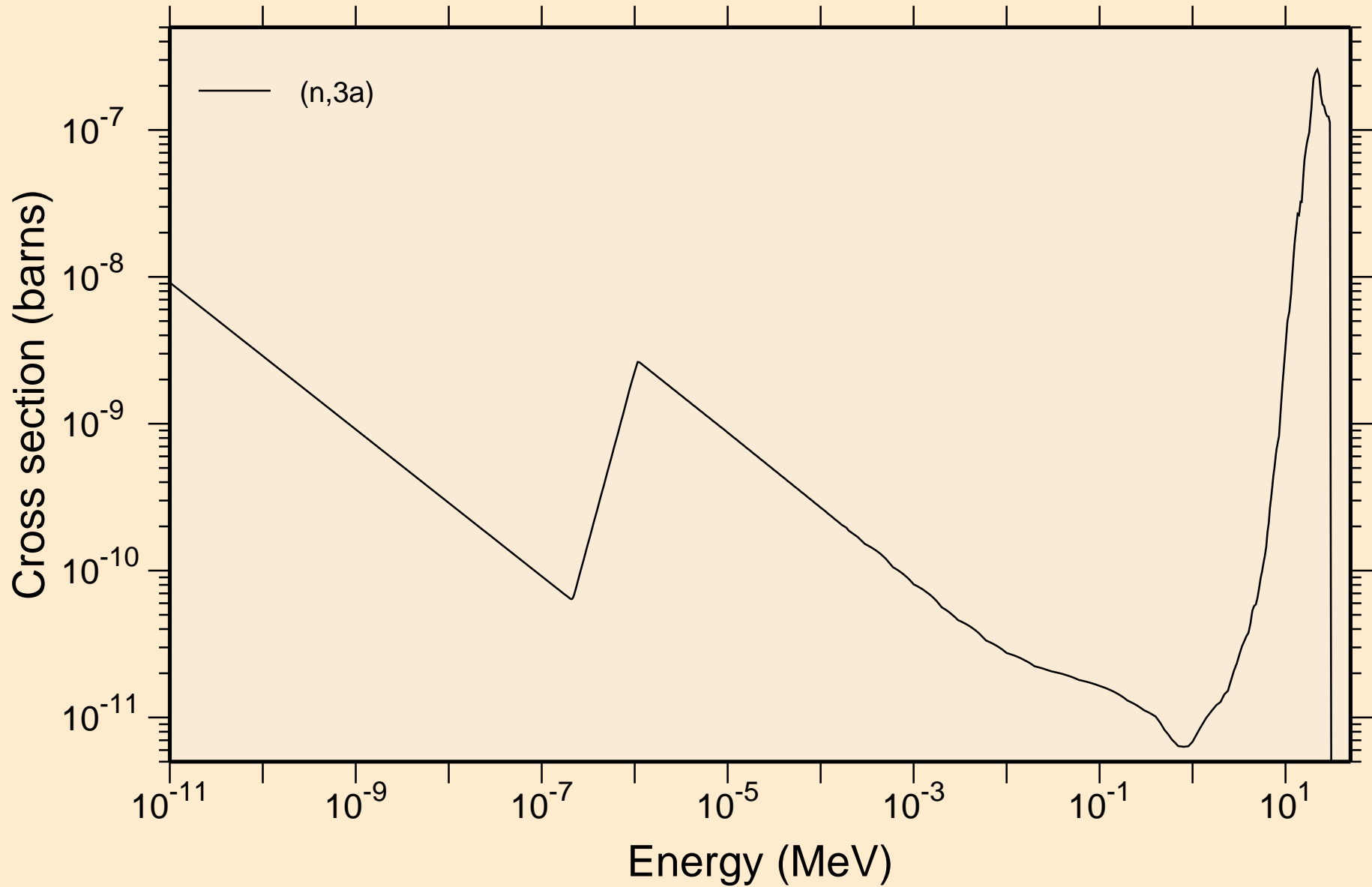


# AC224 NRG TENDL-2015, AKONING

## Non-threshold reactions

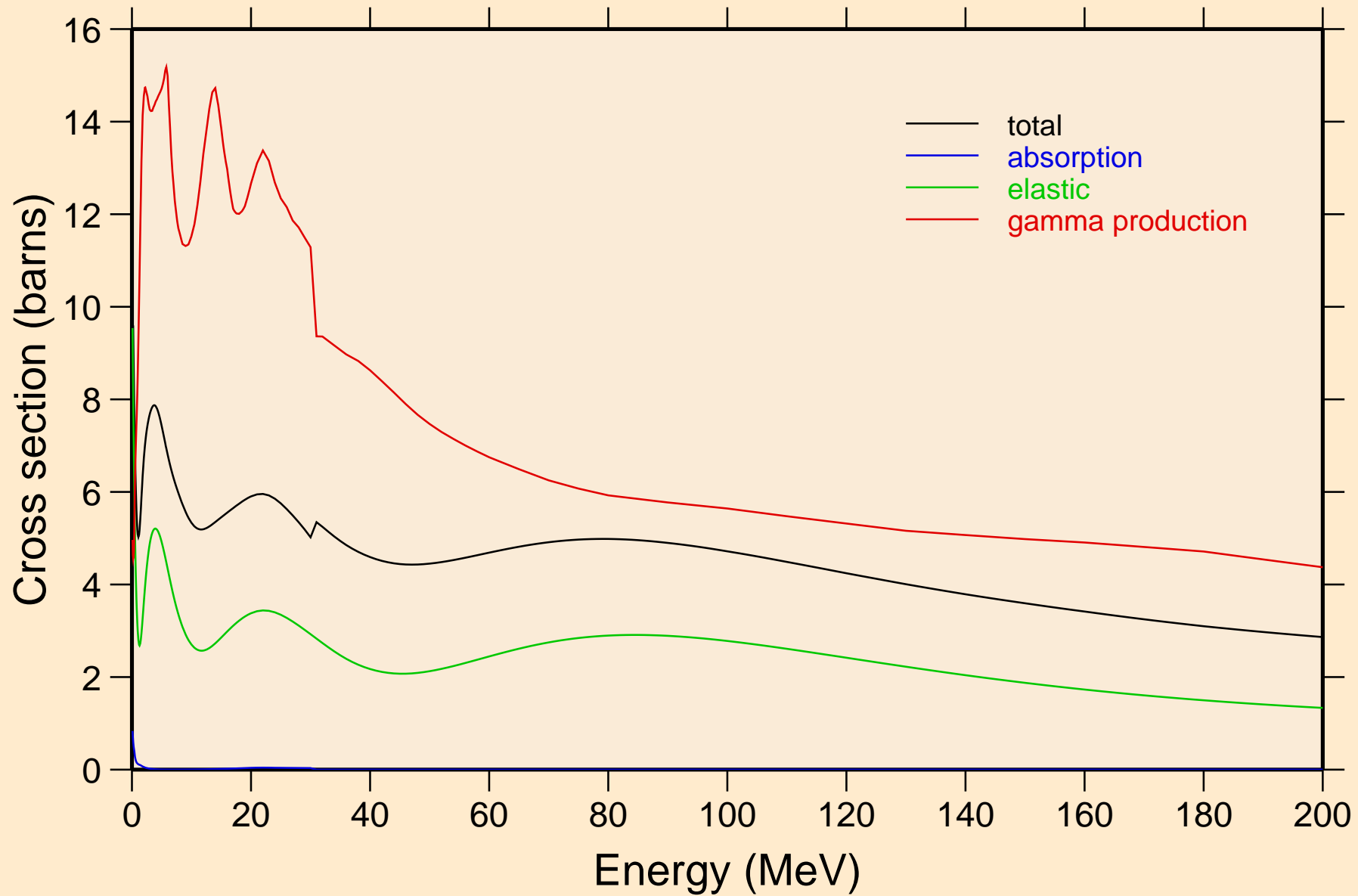


AC224 NRG TENDL-2015, AKONING  
Non-threshold reactions



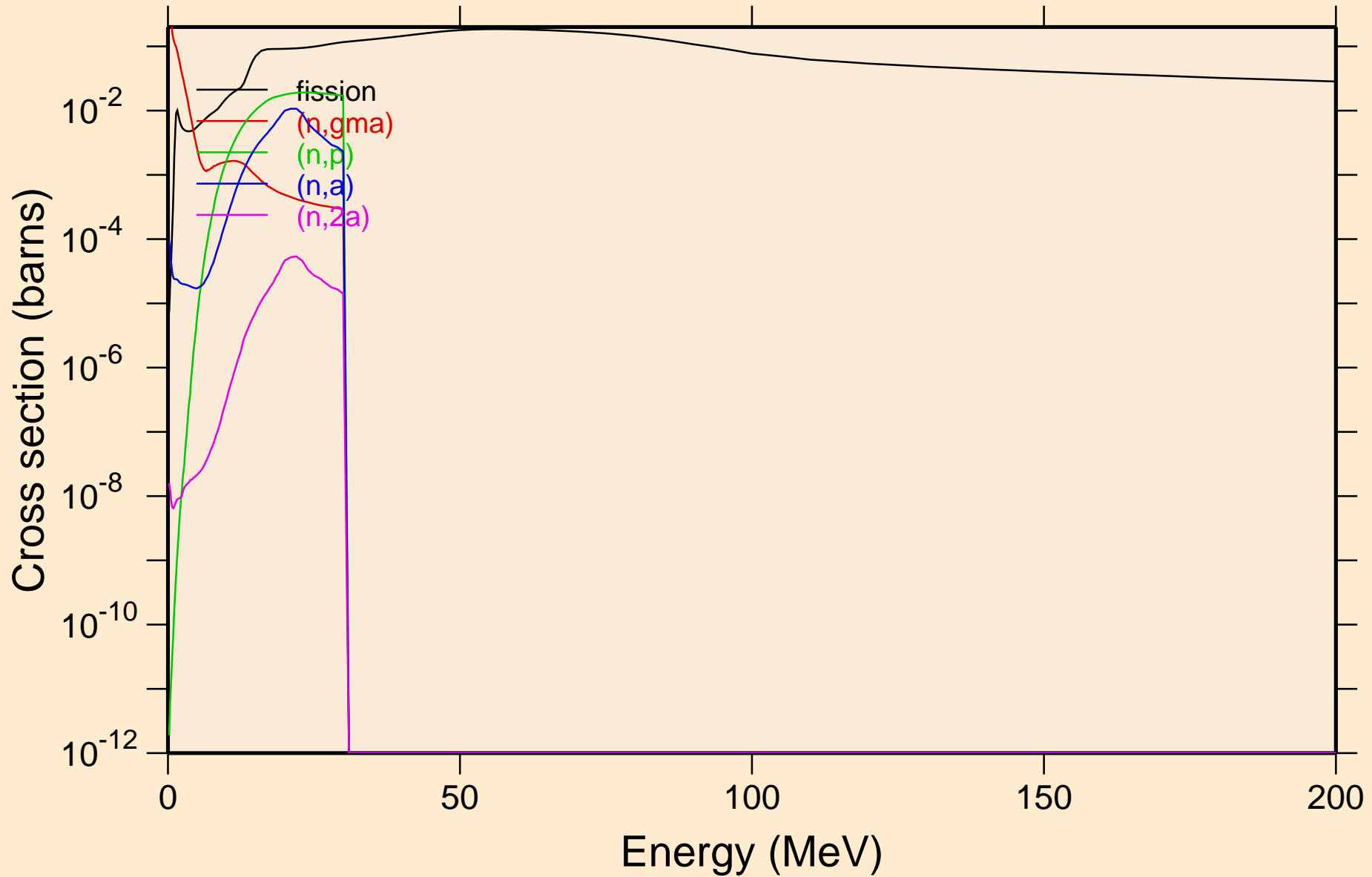
# AC224 NRG TENDL-2015, AKONING

## Principal cross sections

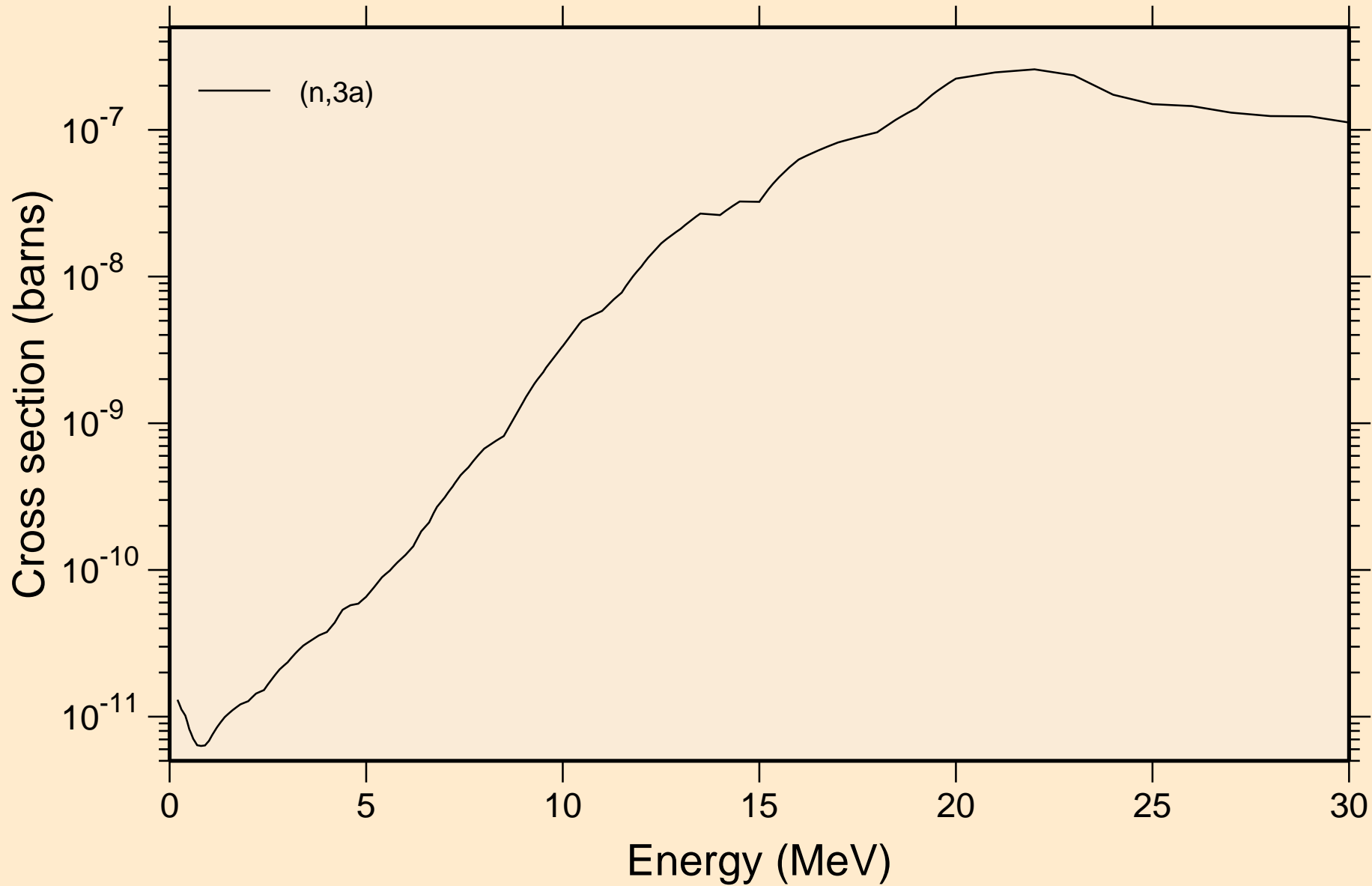


# AC224 NRG TENDL-2015, AKONING

## Non-threshold reactions



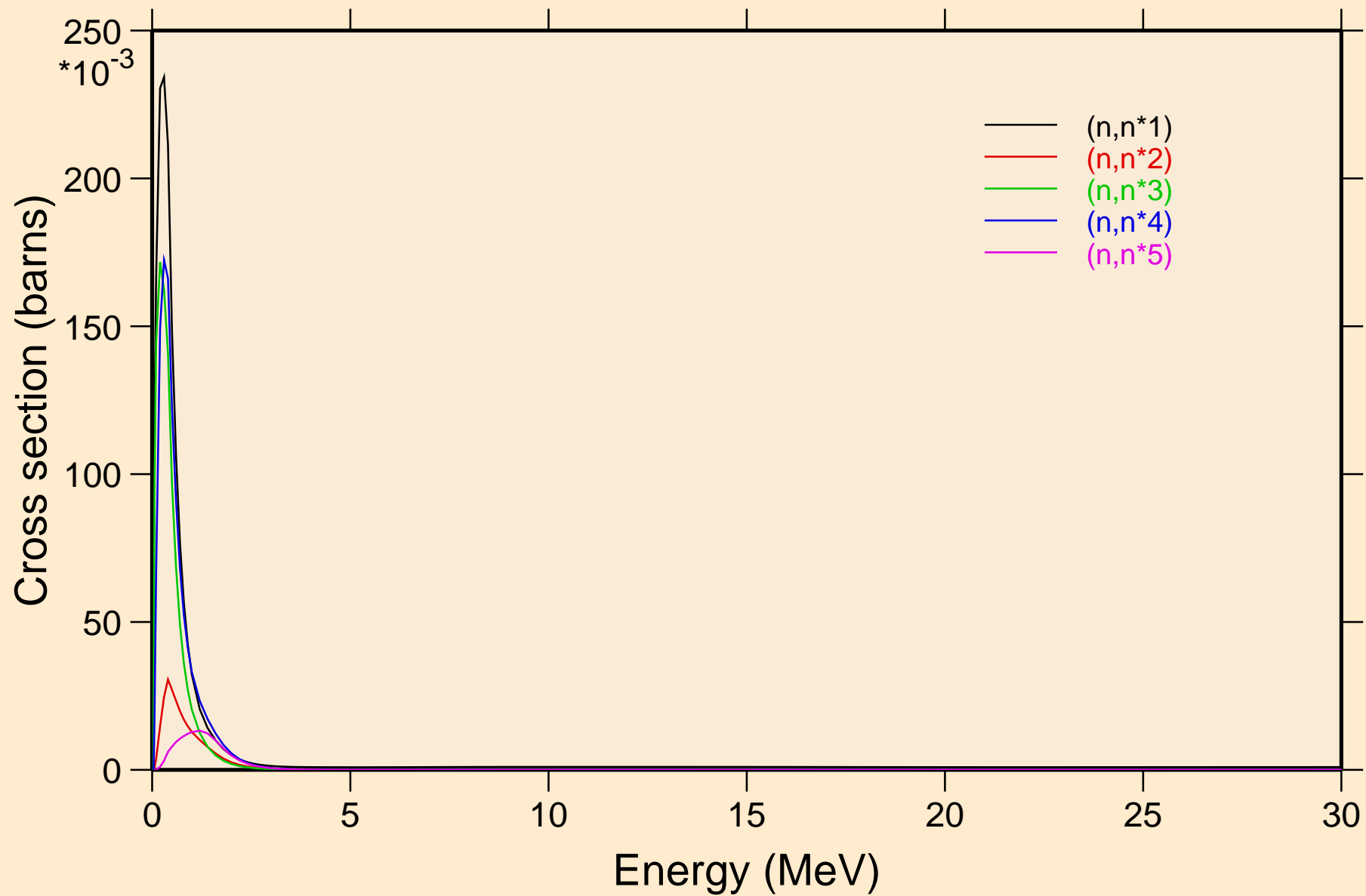
AC224 NRG TENDL-2015, AKONING  
Non-threshold reactions





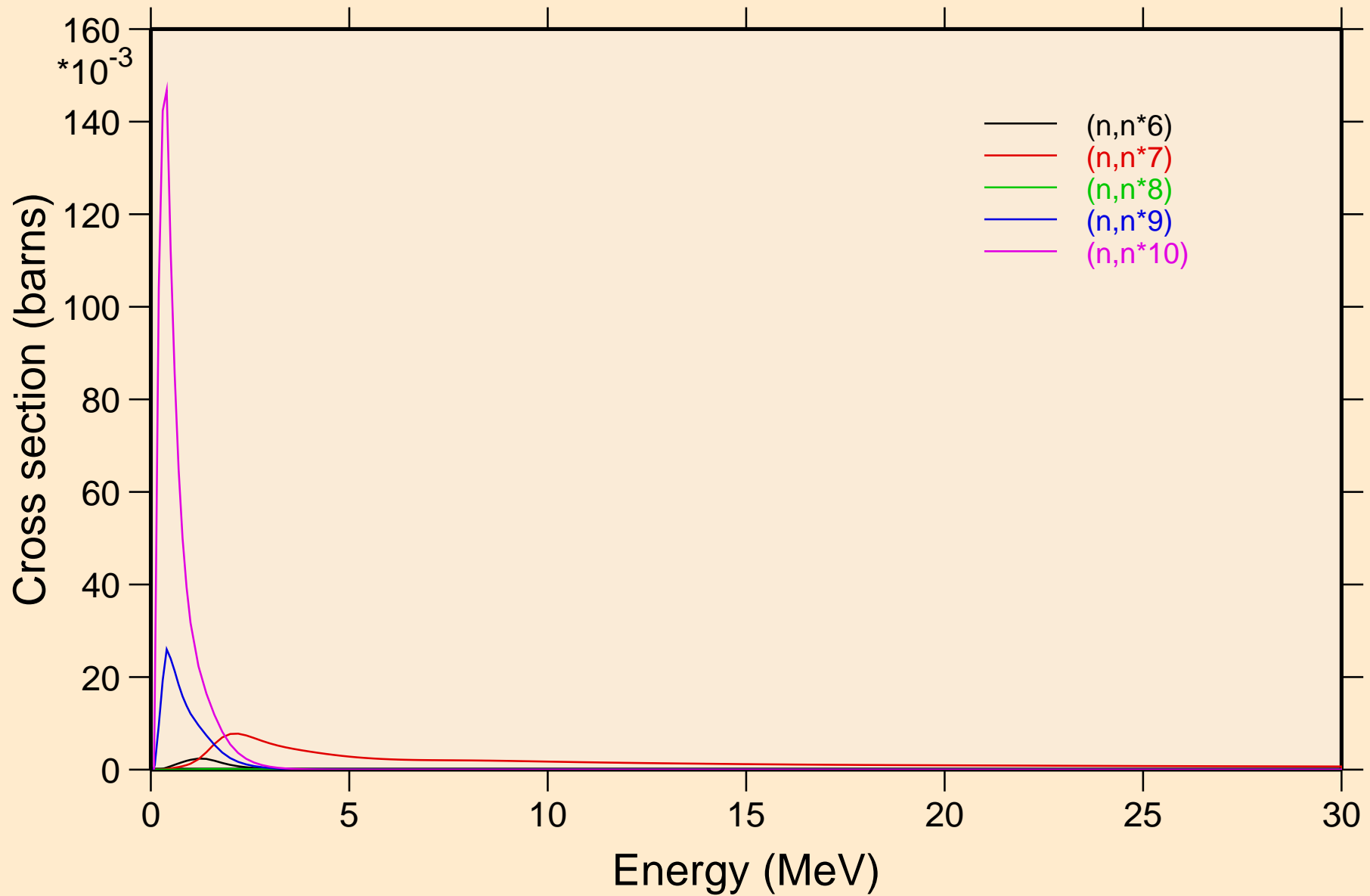
# AC224 NRG TENDL-2015, AKONING

## Inelastic levels



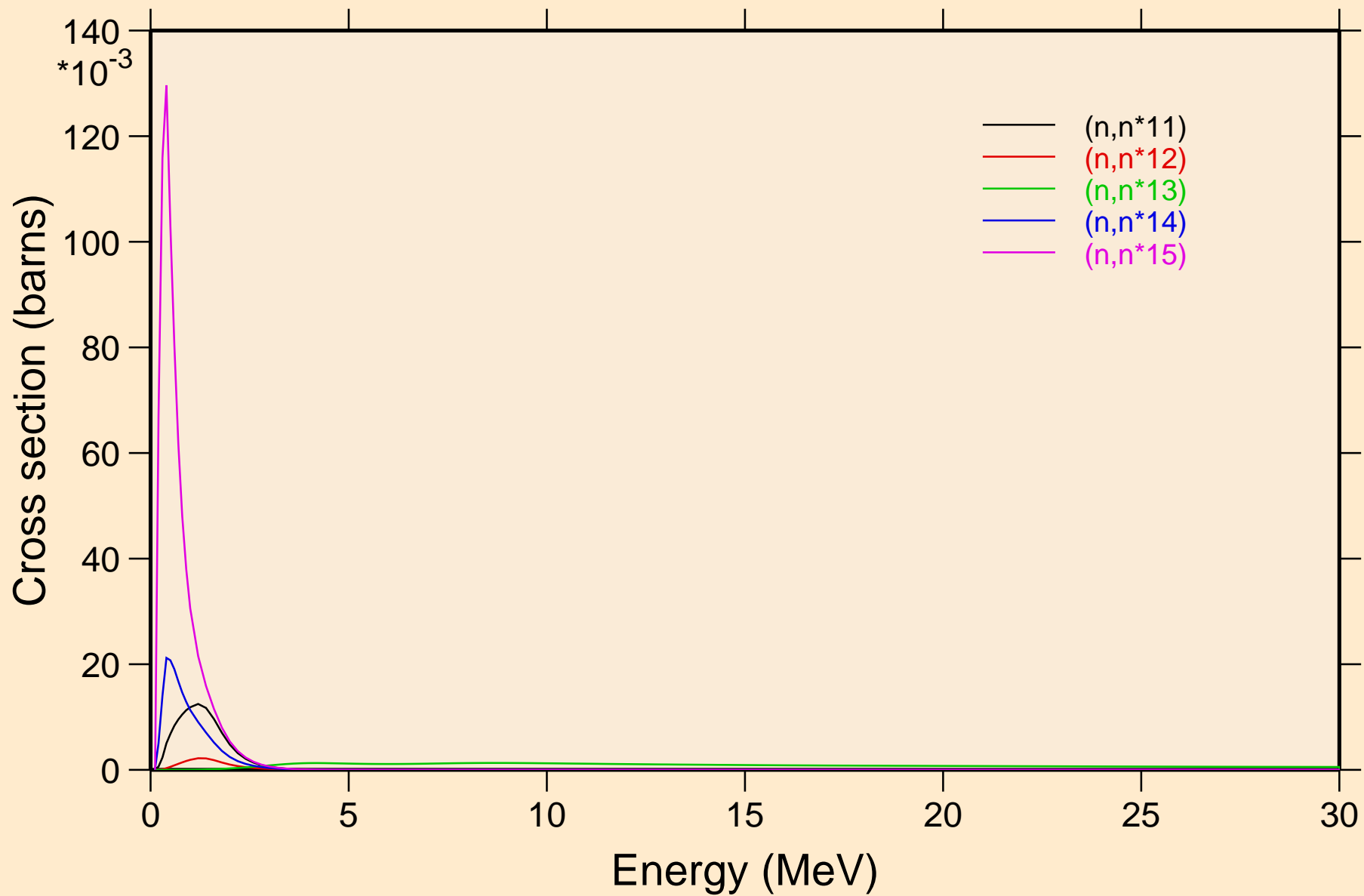
# AC224 NRG TENDL-2015, AKONING

## Inelastic levels



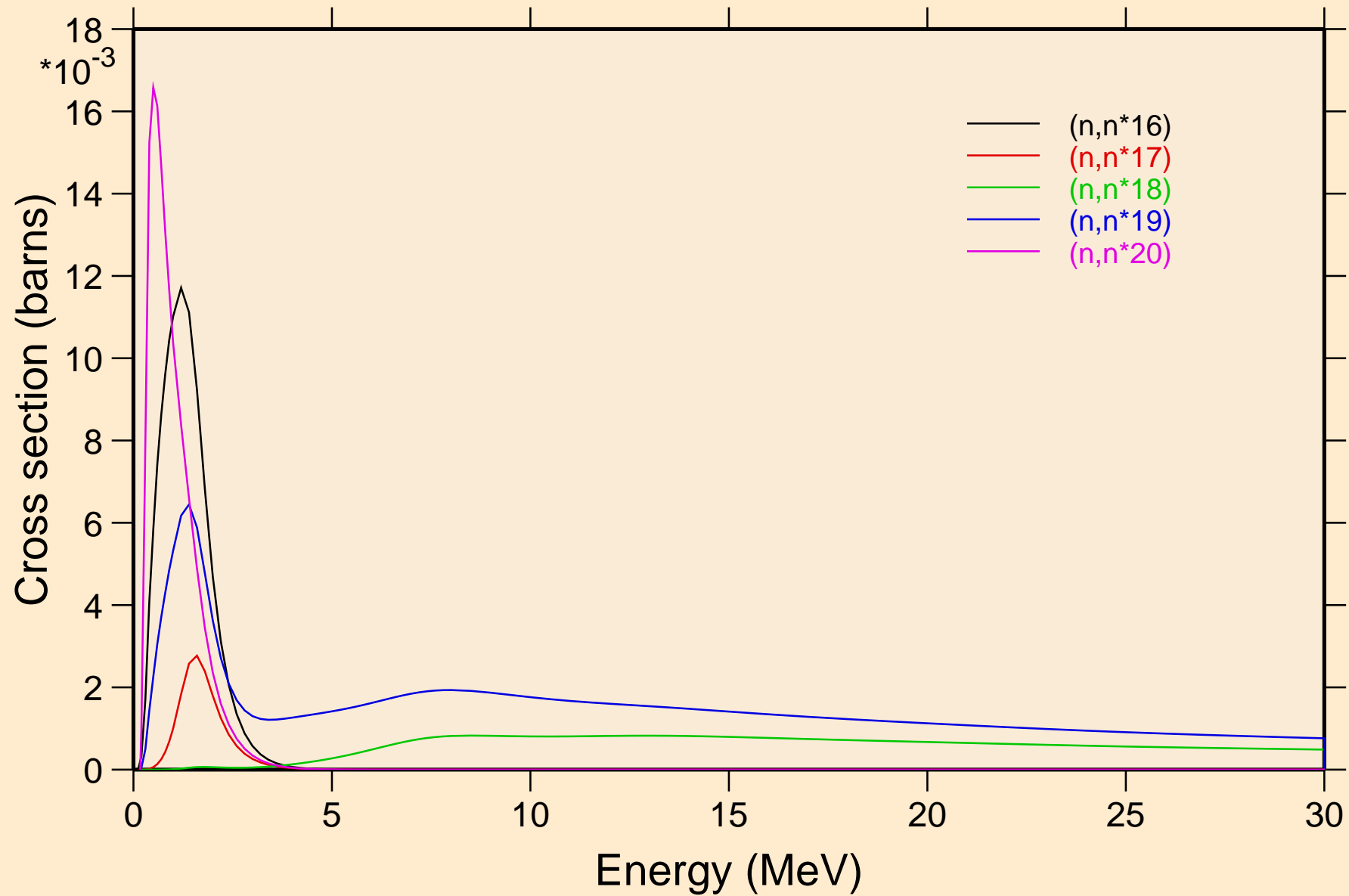
# AC224 NRG TENDL-2015, AKONING

## Inelastic levels



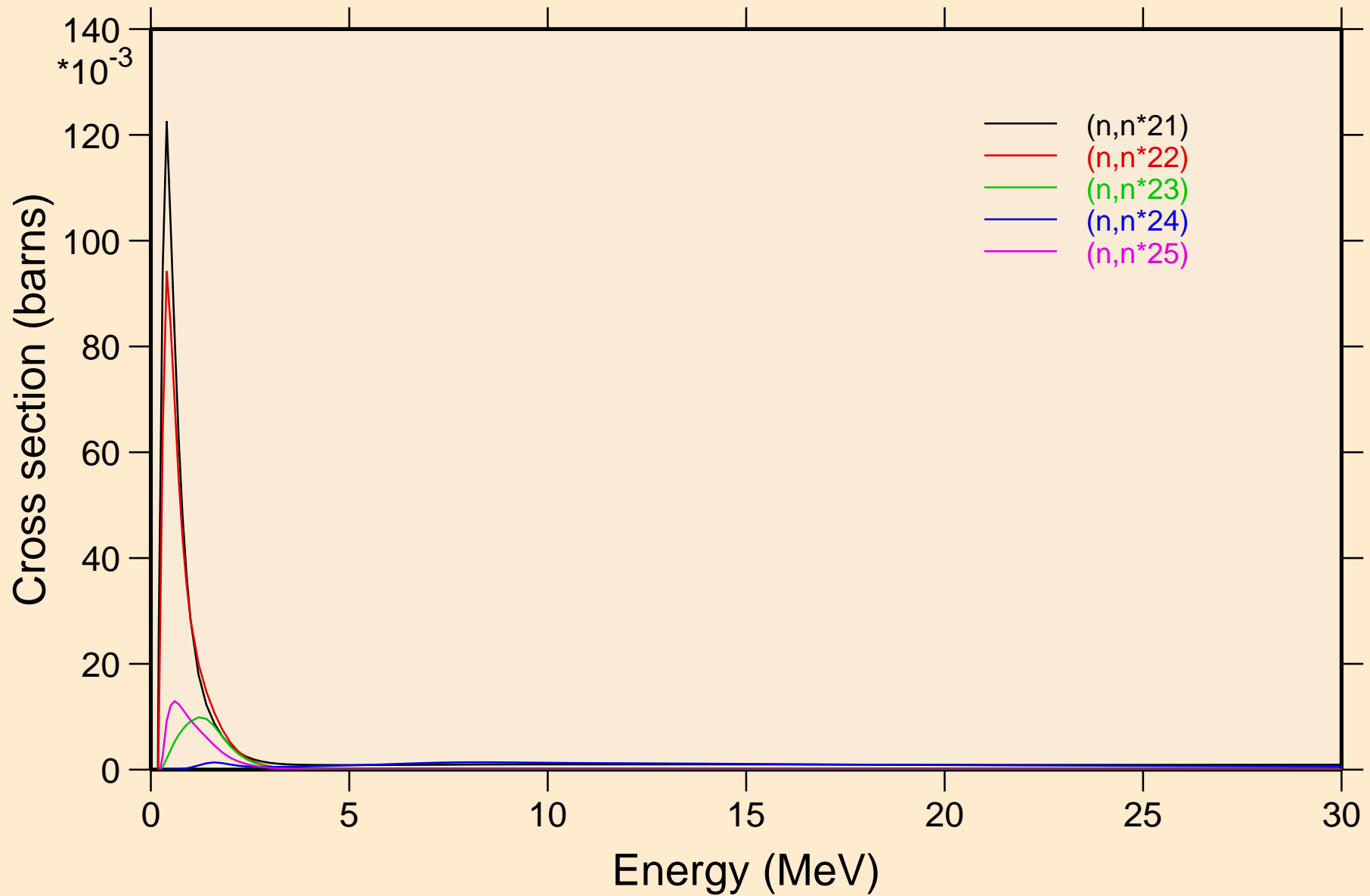
# AC224 NRG TENDL-2015, AKONING

## Inelastic levels



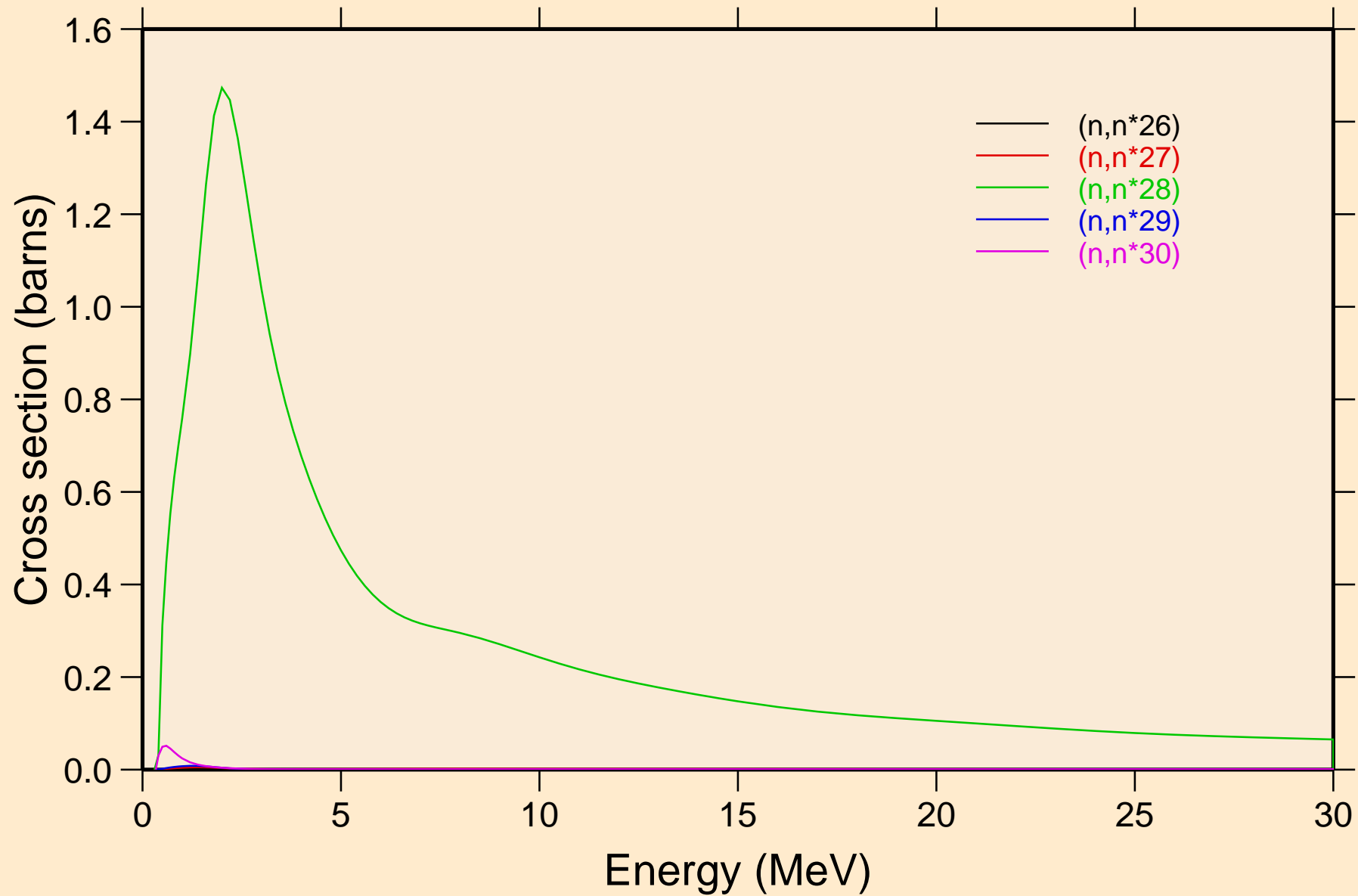
# AC224 NRG TENDL-2015, AKONING

## Inelastic levels



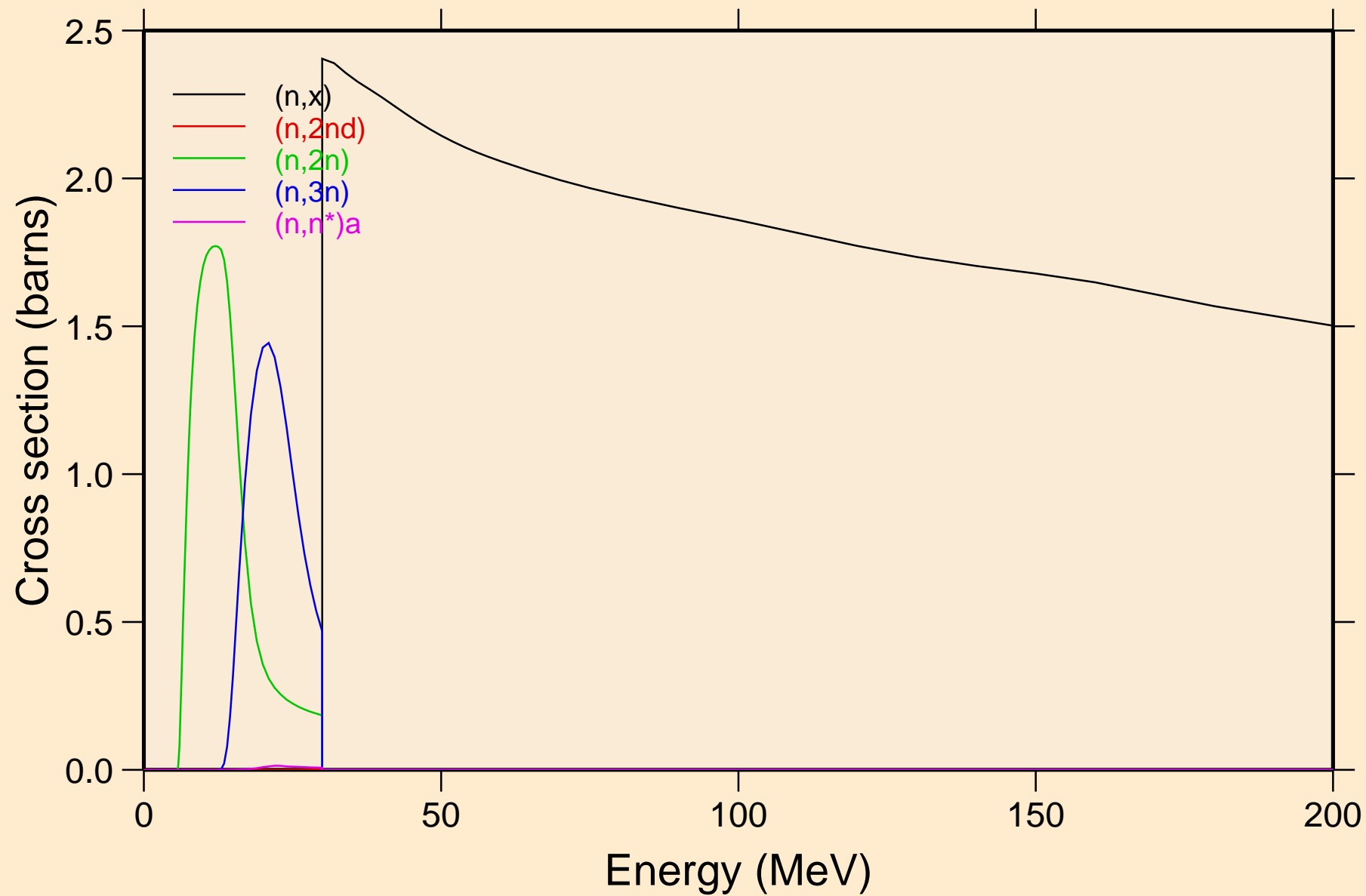
# AC224 NRG TENDL-2015, AKONING

## Inelastic levels



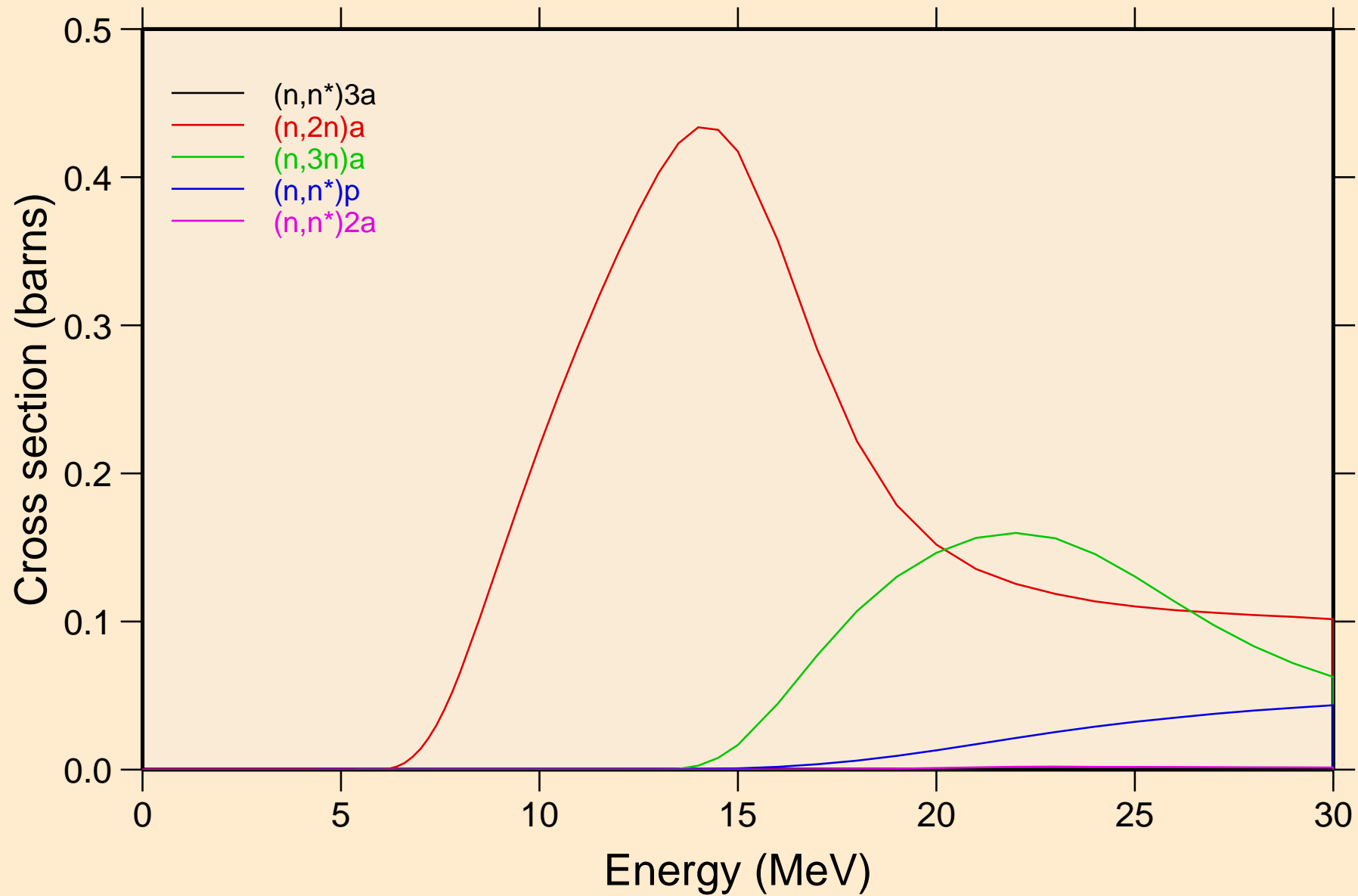
# AC224 NRG TENDL-2015, AKONING

## Threshold reactions



# AC224 NRG TENDL-2015, AKONING

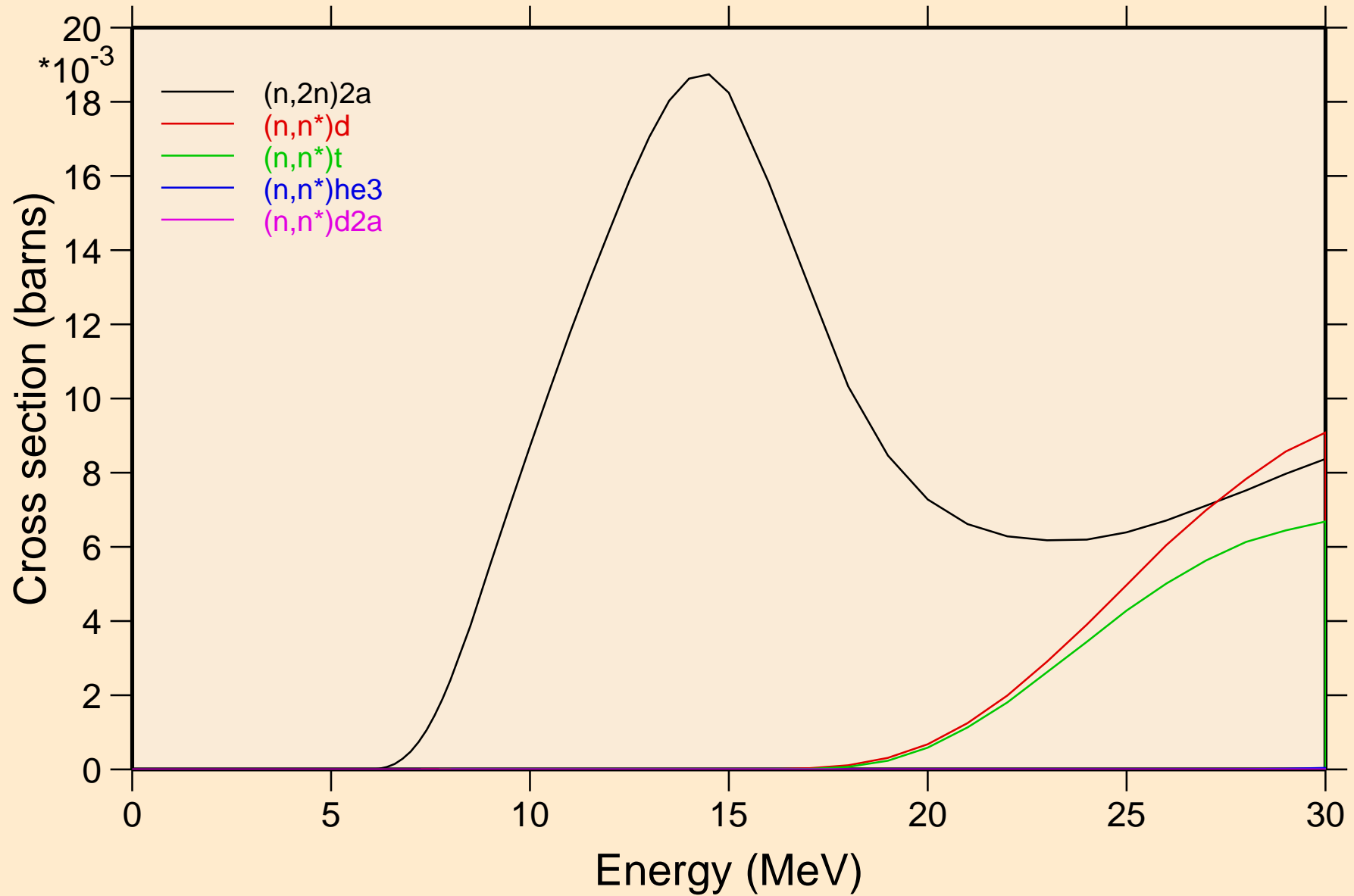
## Threshold reactions





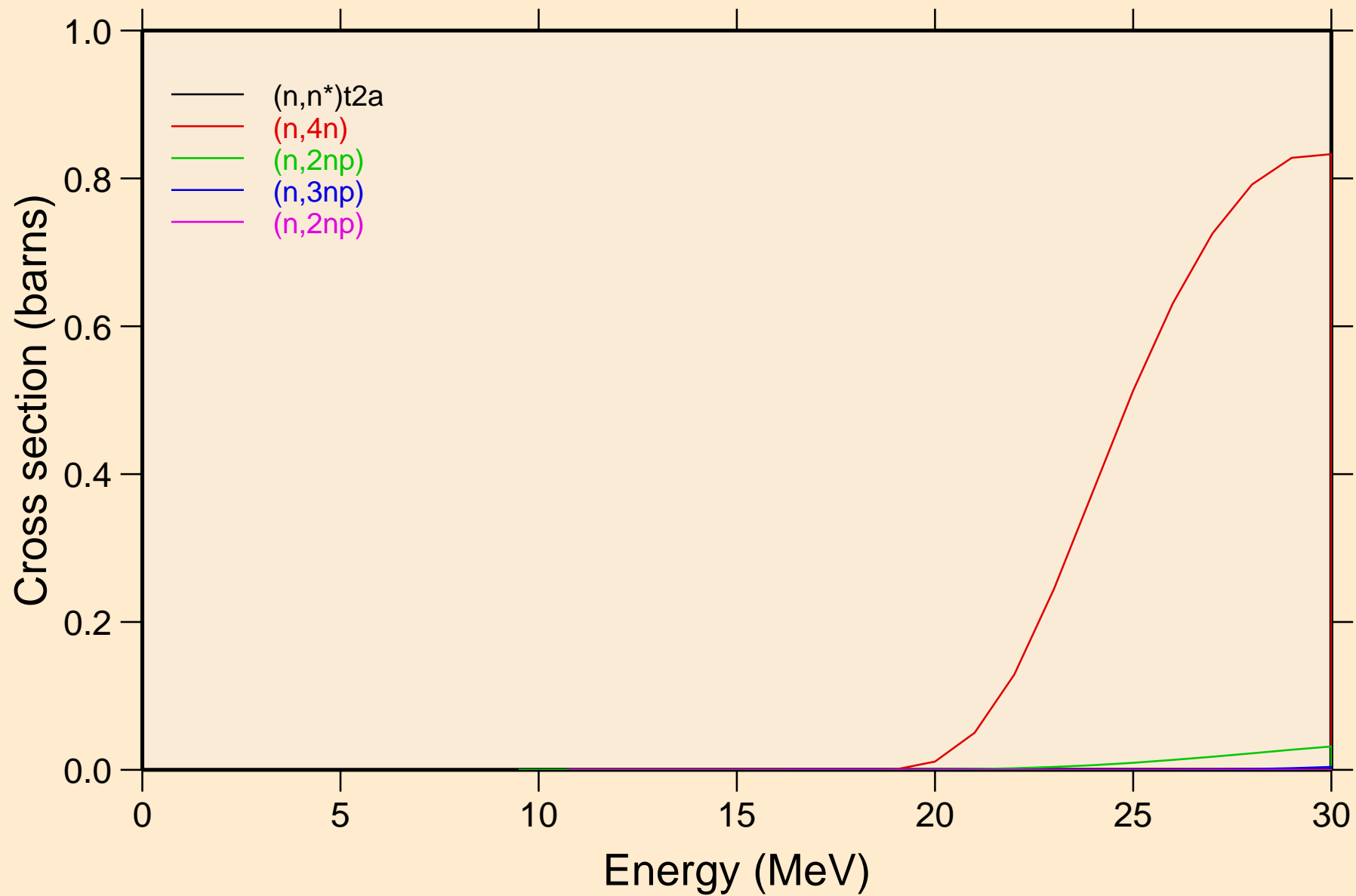
# AC224 NRG TENDL-2015, AKONING

## Threshold reactions



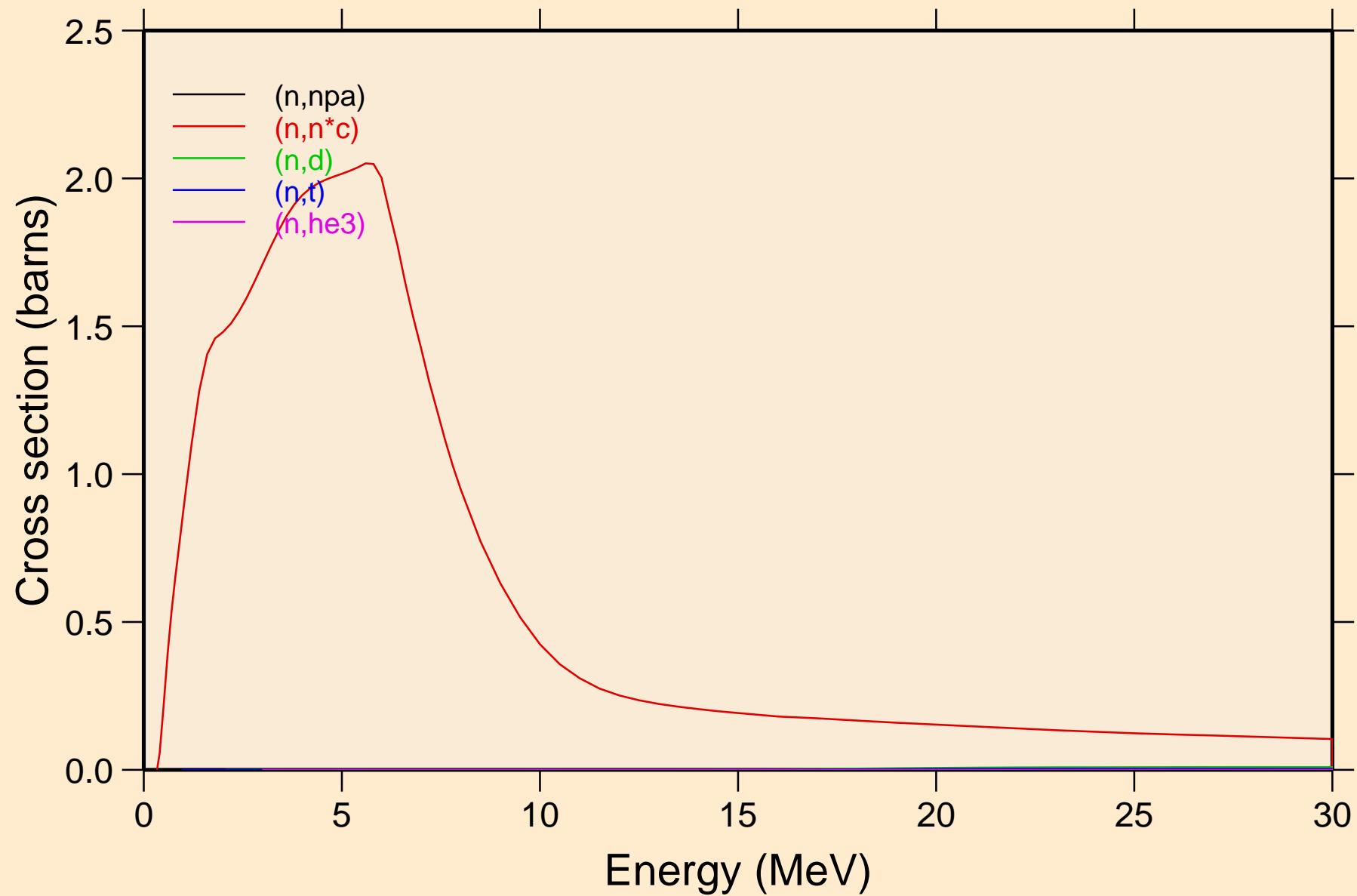
# AC224 NRG TENDL-2015, AKONING

## Threshold reactions



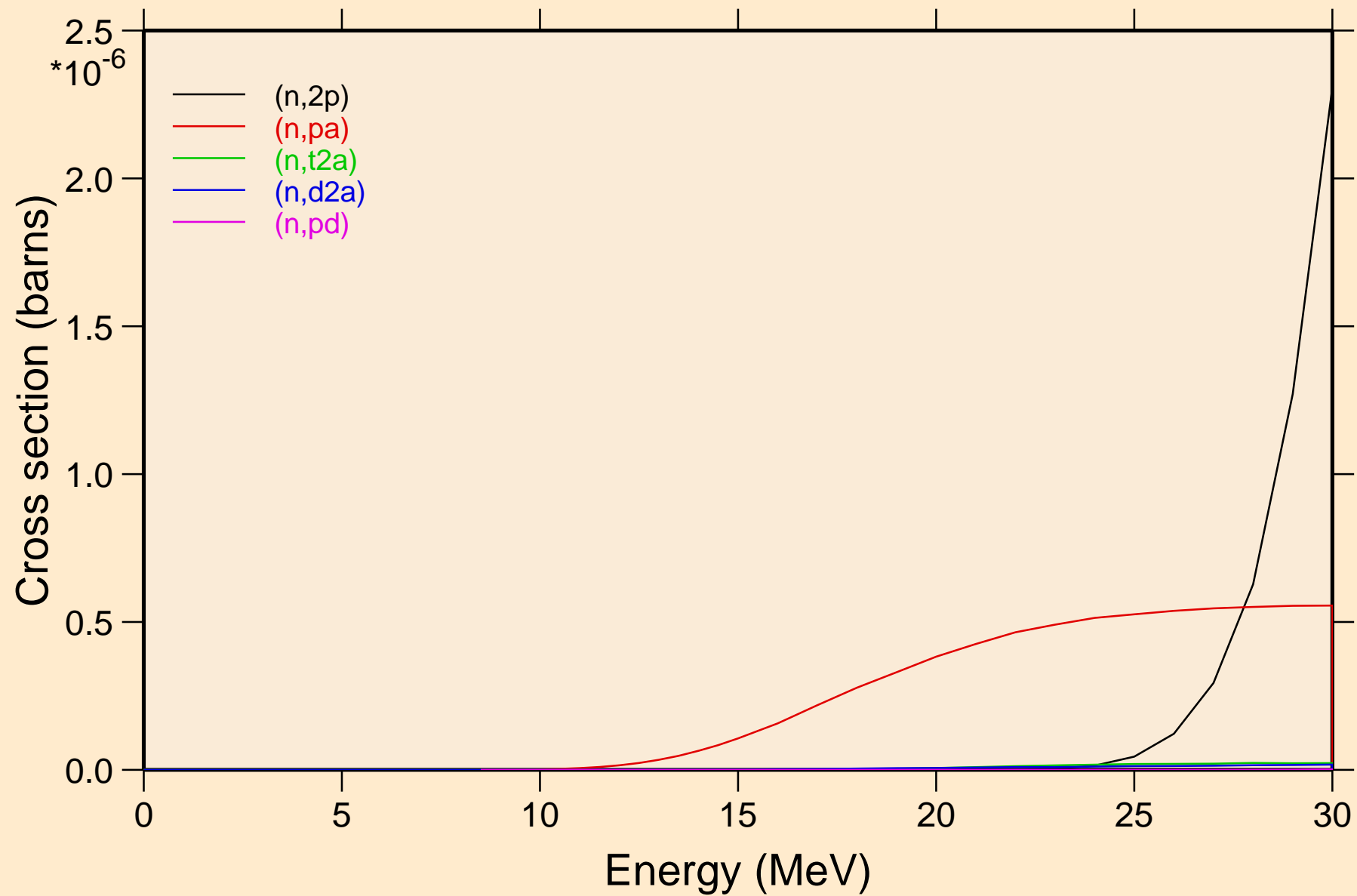
# AC224 NRG TENDL-2015, AKONING

## Threshold reactions



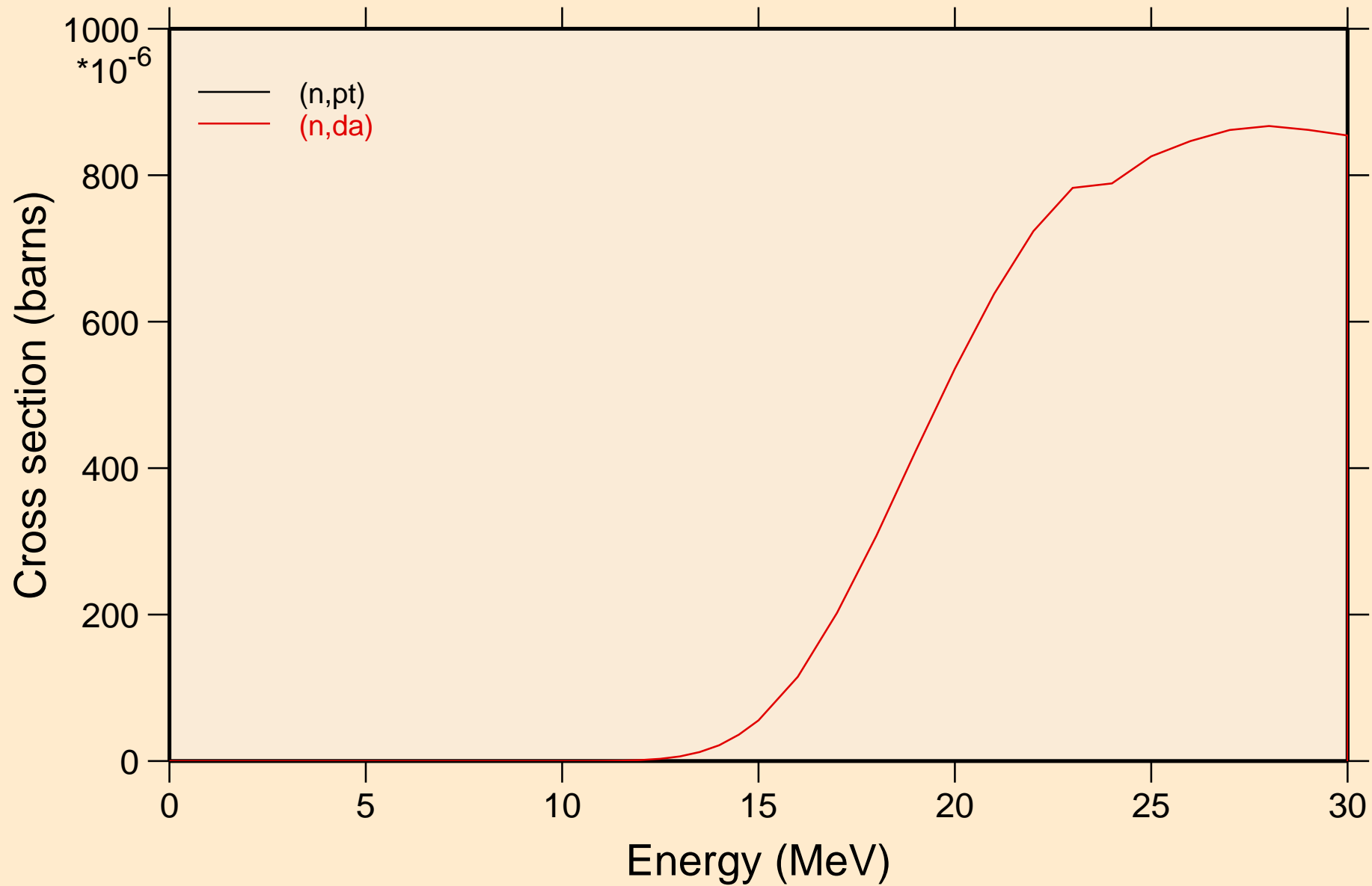
# AC224 NRG TENDL-2015, AKONING

## Threshold reactions

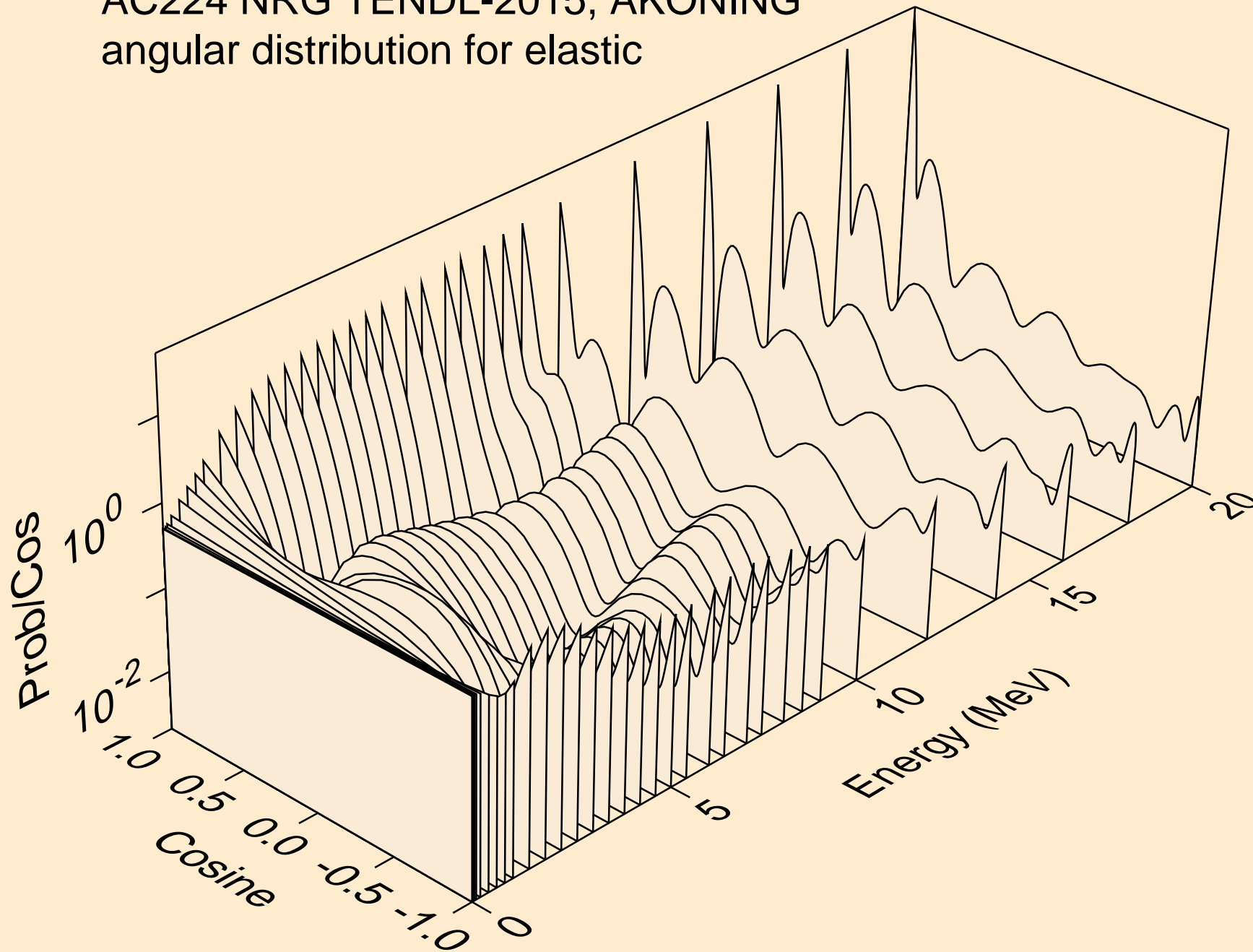


# AC224 NRG TENDL-2015, AKONING

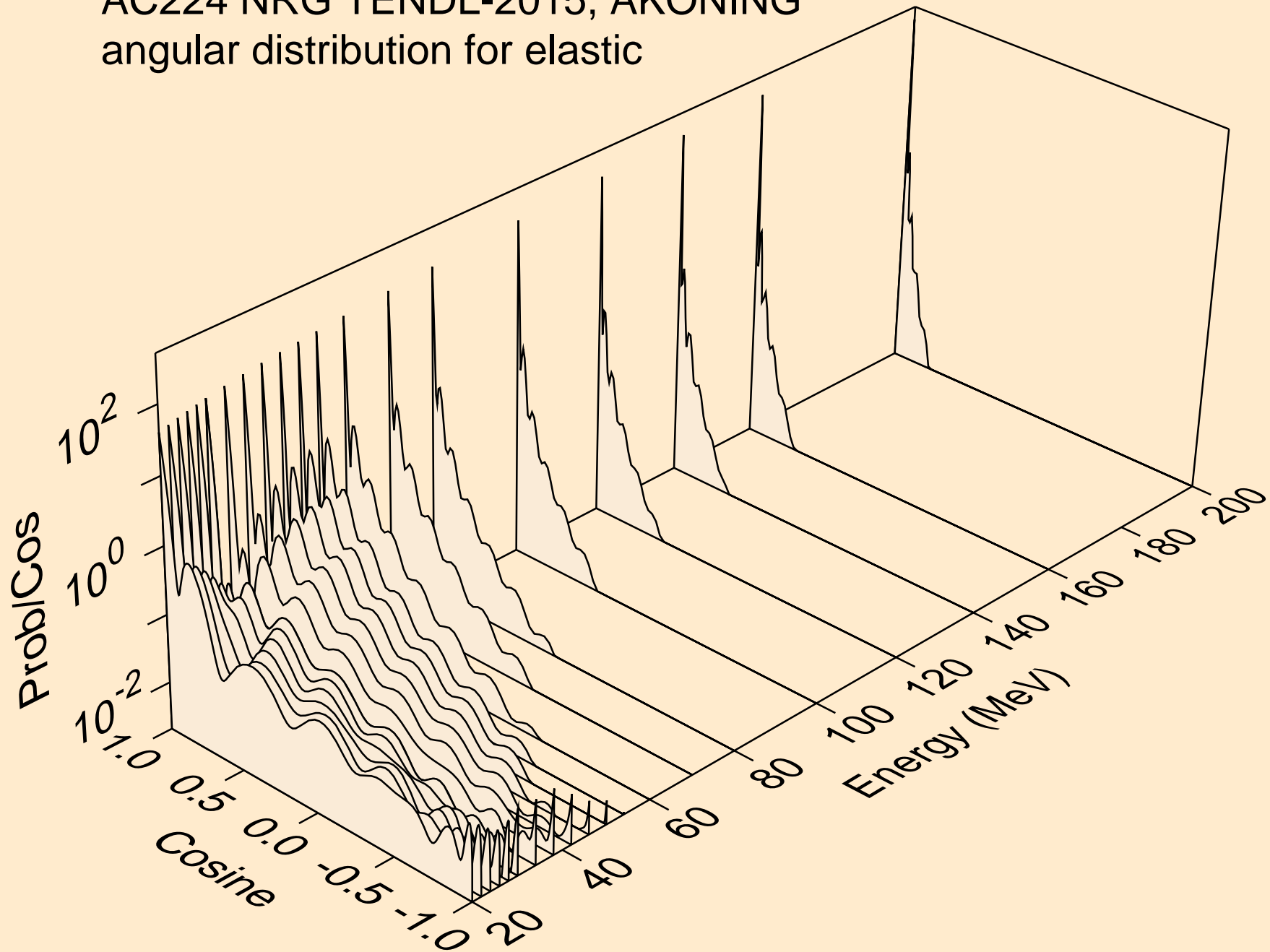
## Threshold reactions



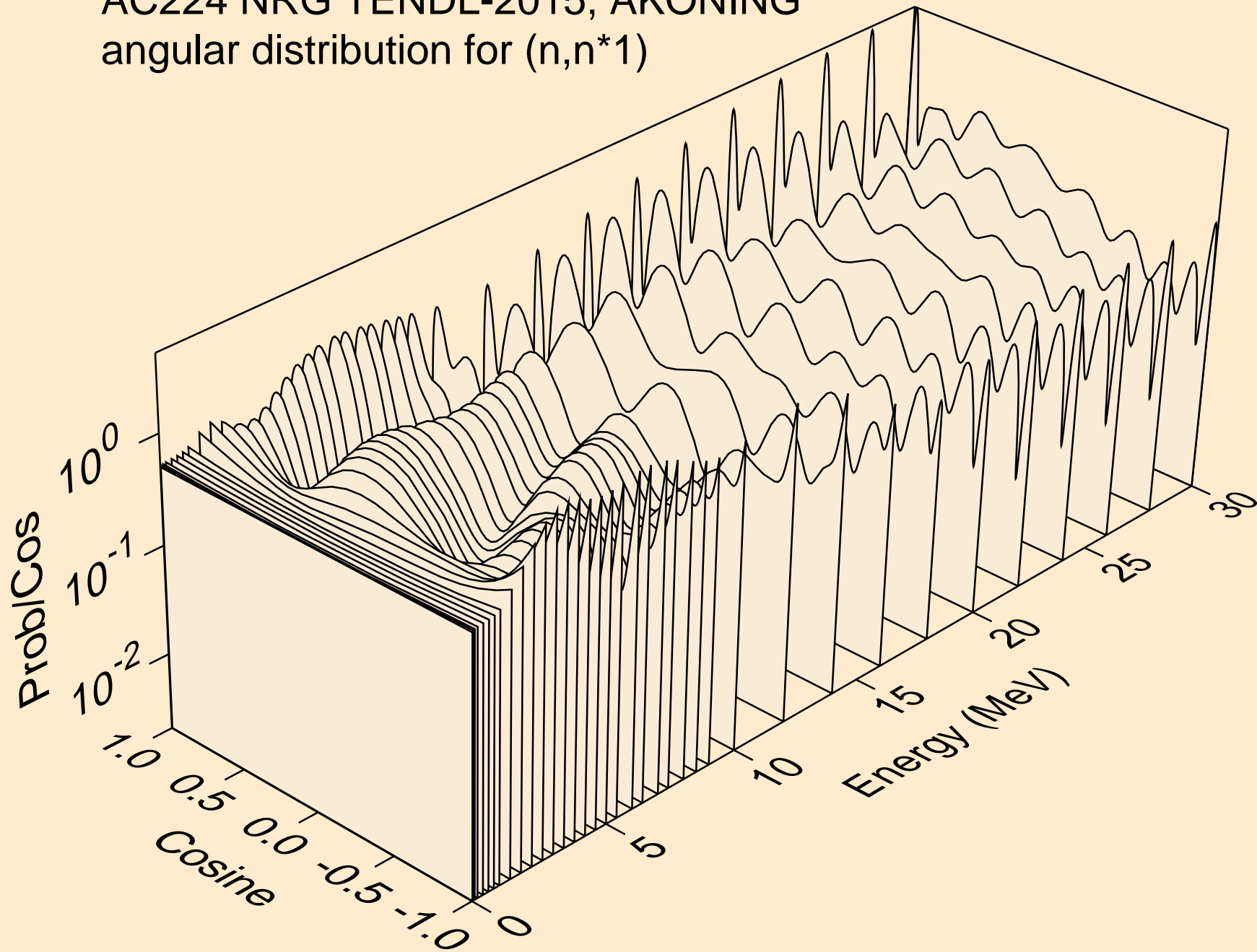
AC224 NRG TENDL-2015, AKONING  
angular distribution for elastic



AC224 NRG TENDL-2015, AKONING  
angular distribution for elastic

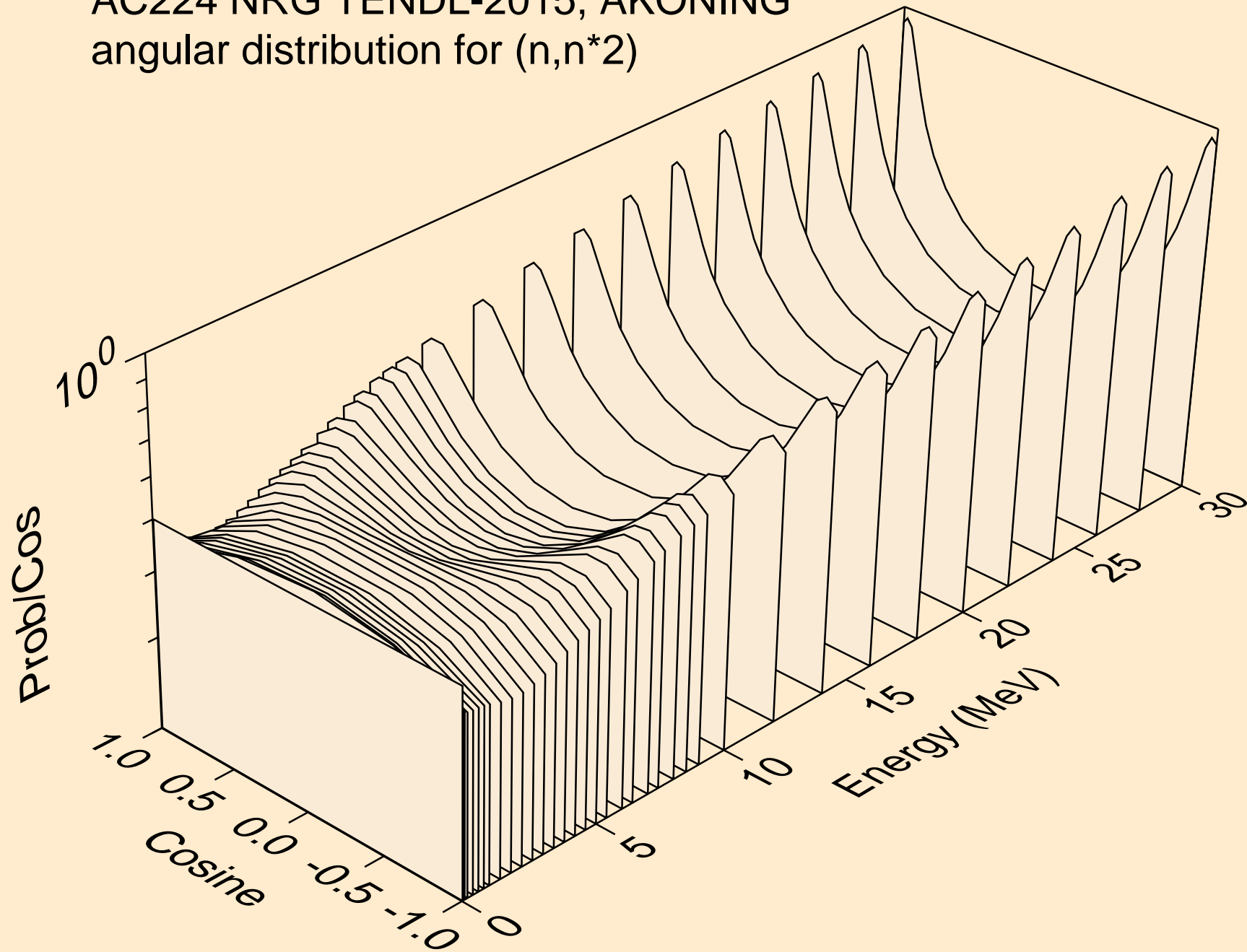


AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

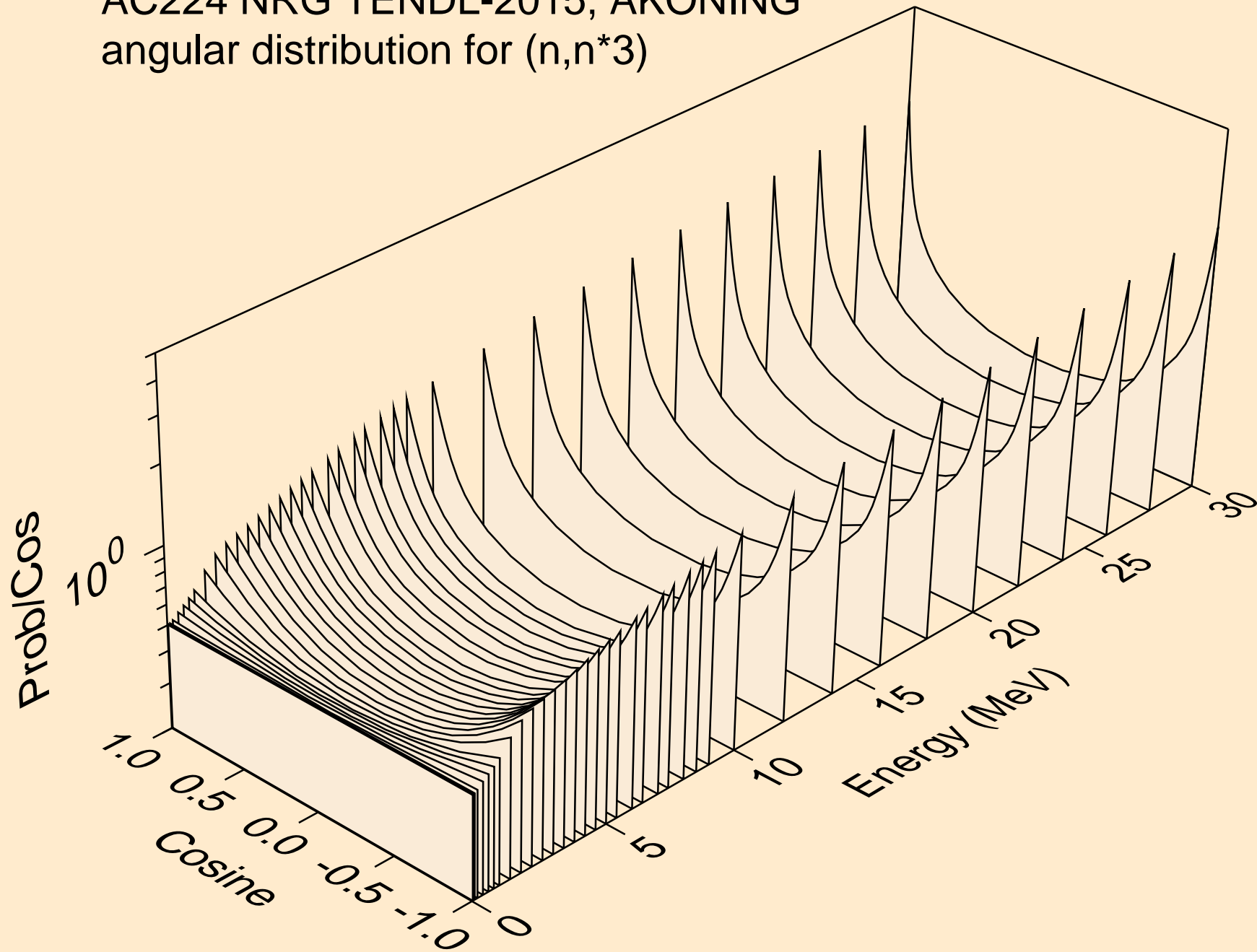




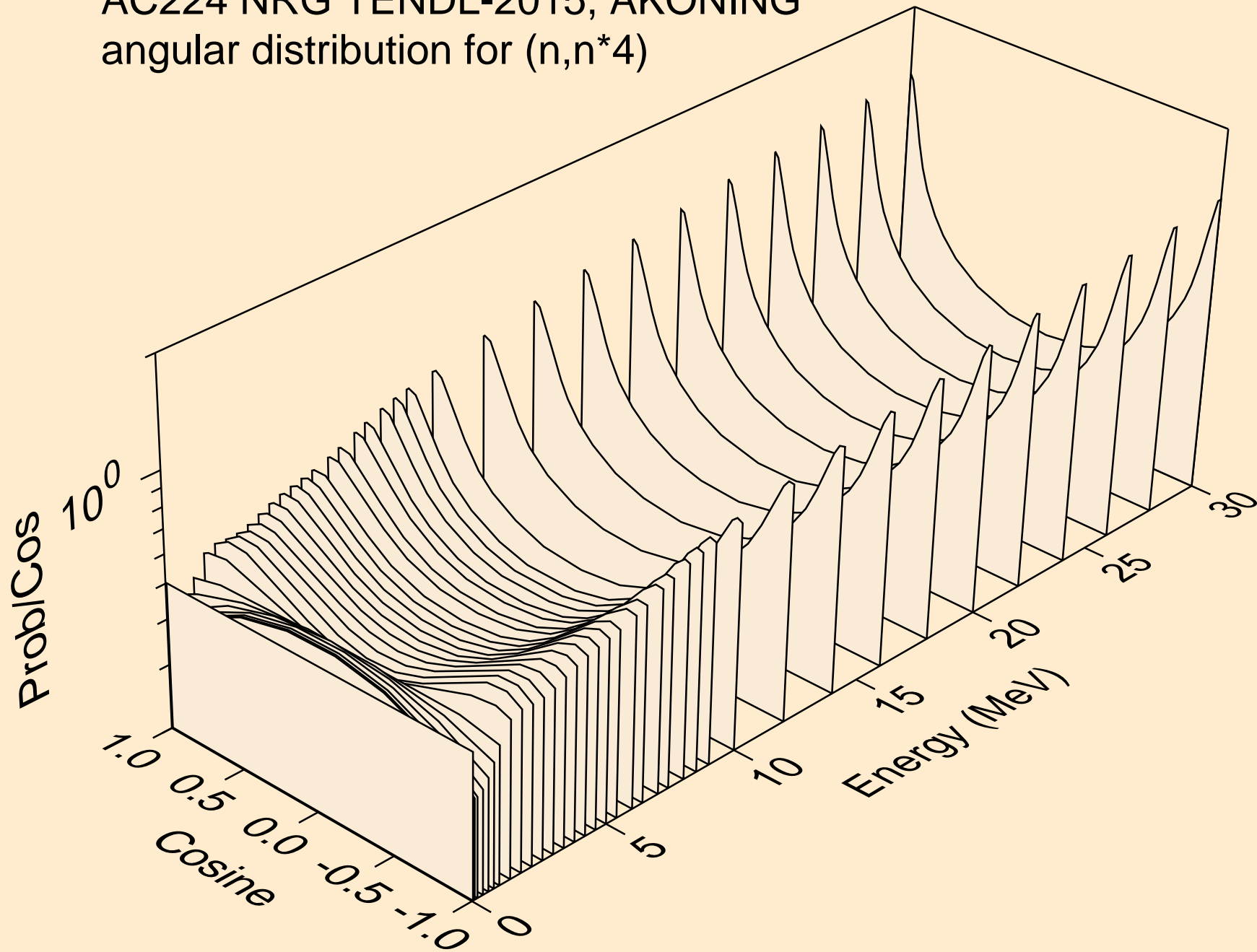
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



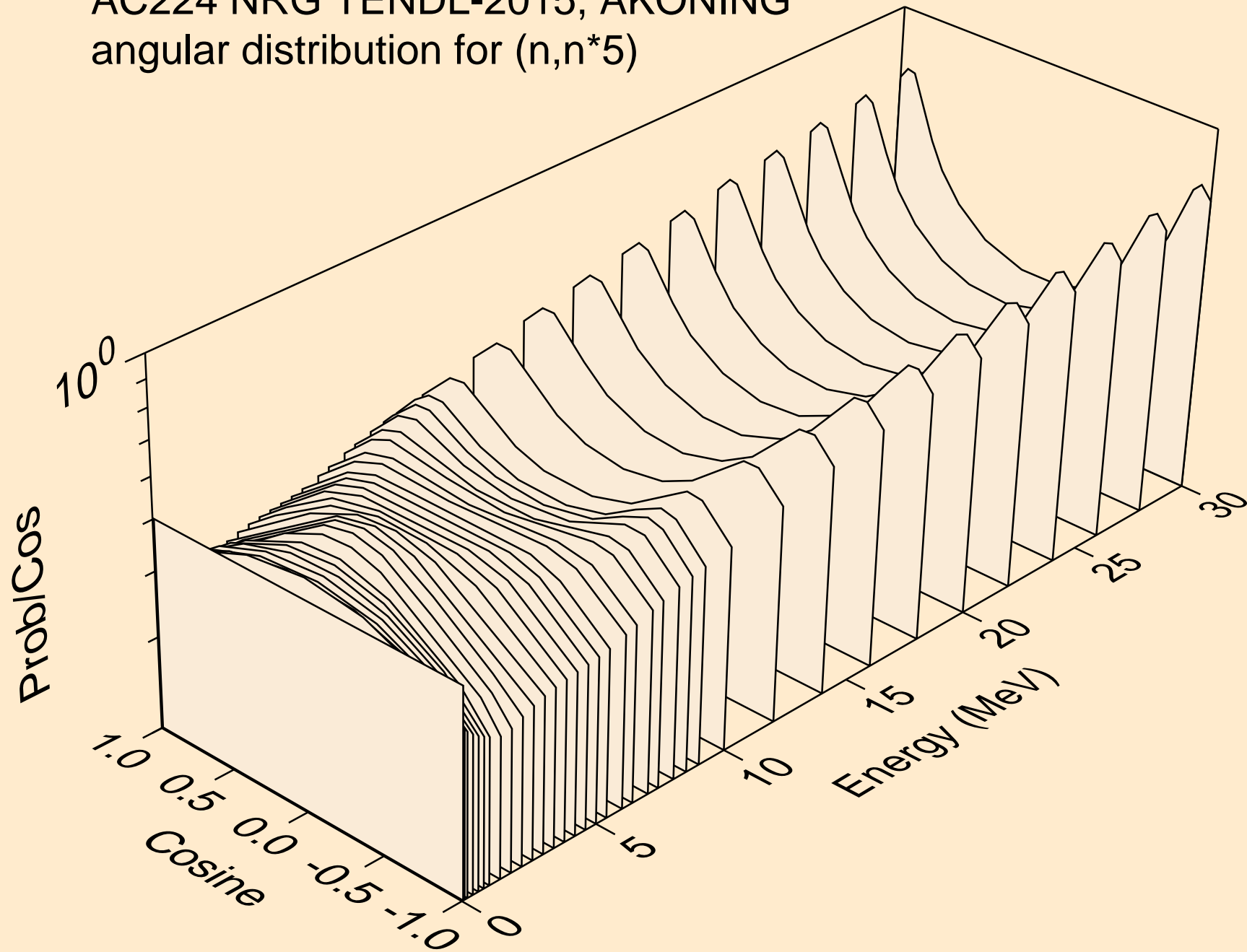
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



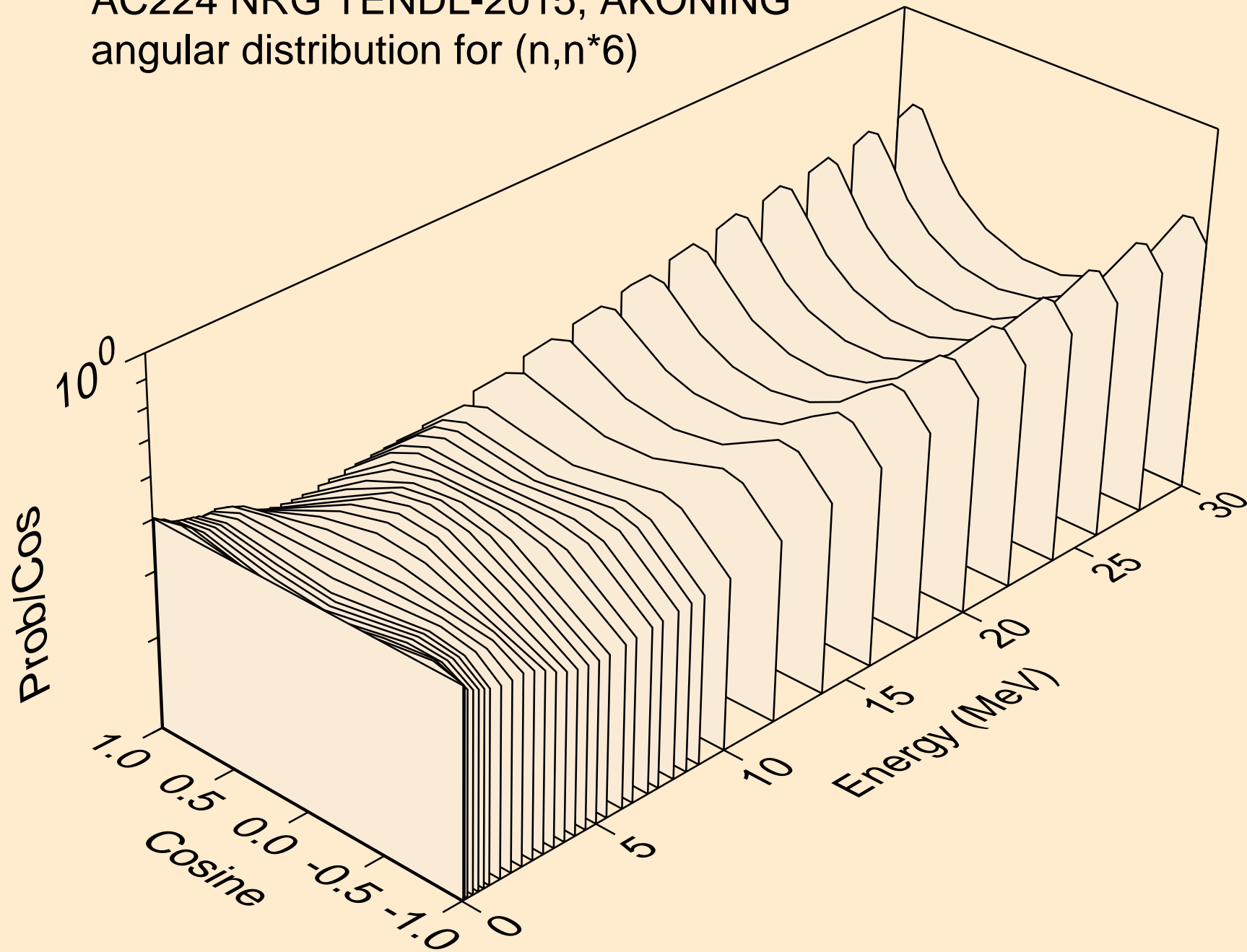
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



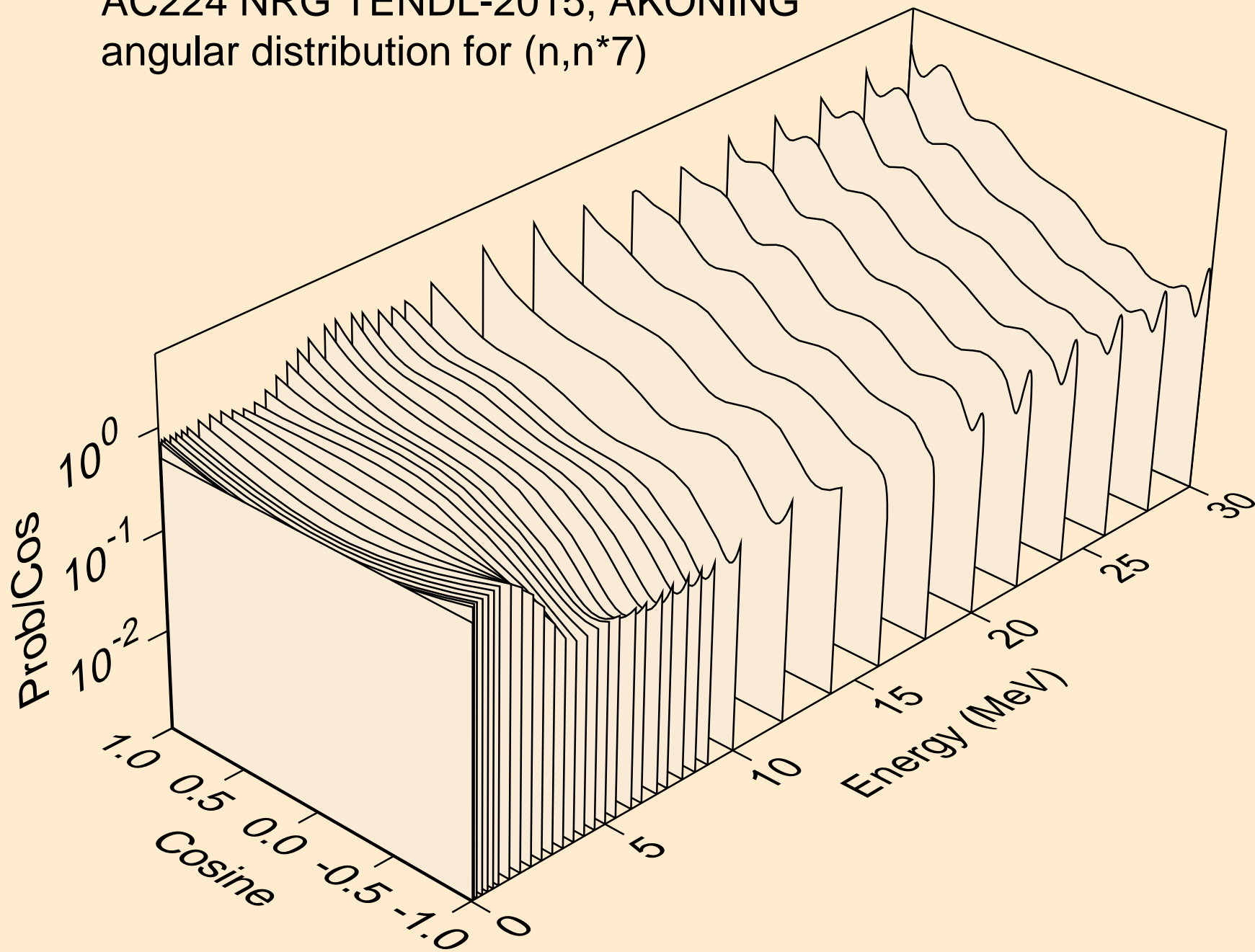
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



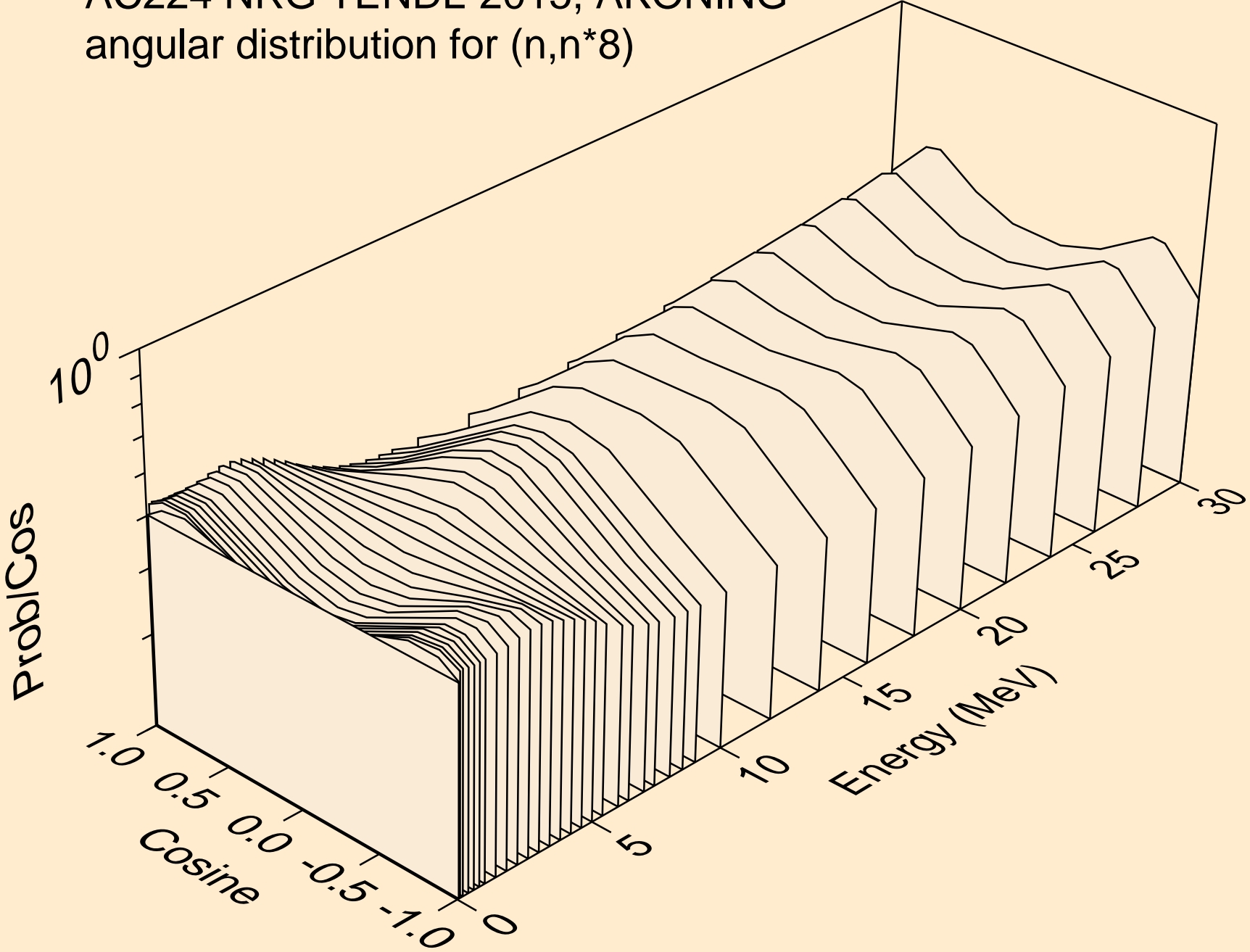
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



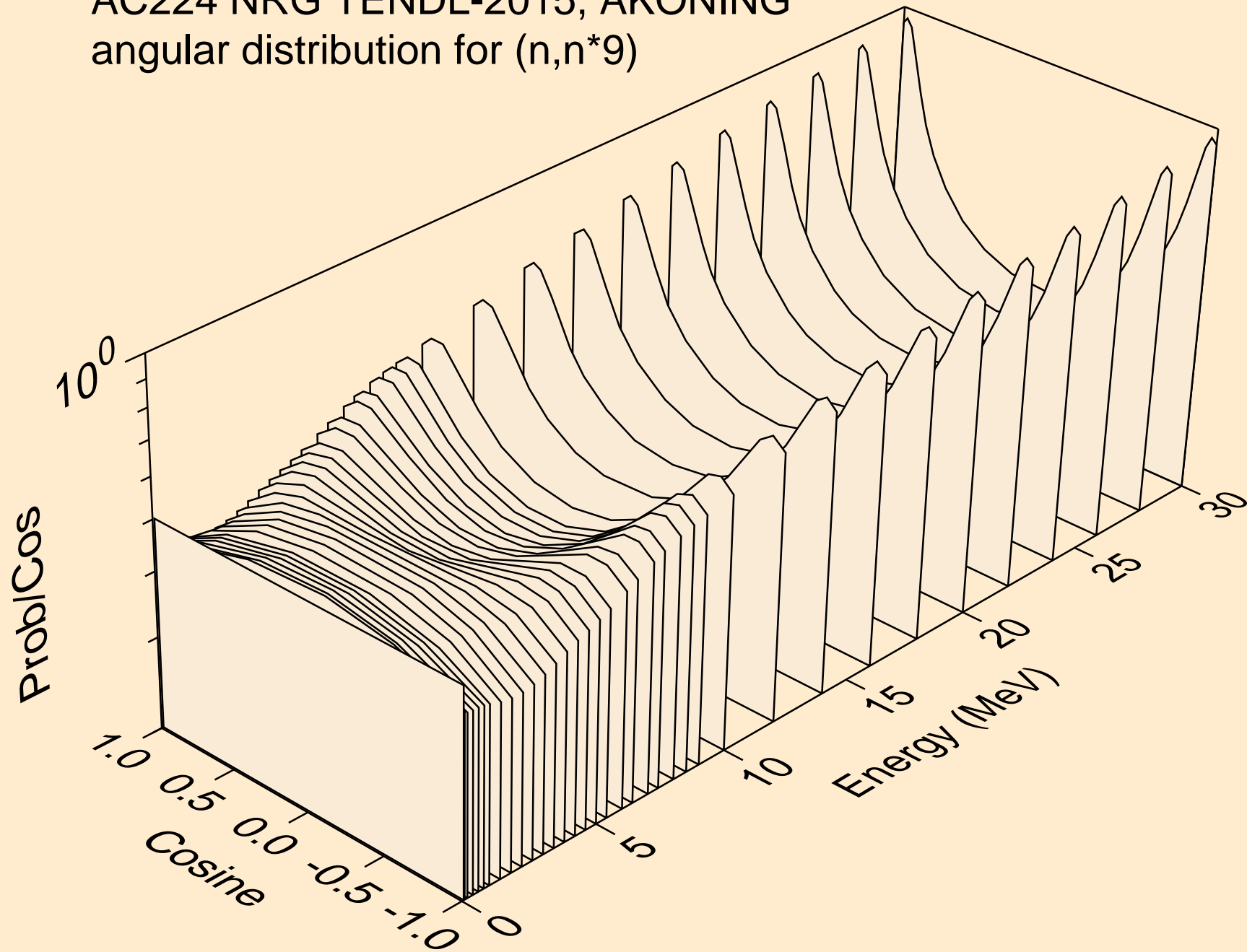
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)

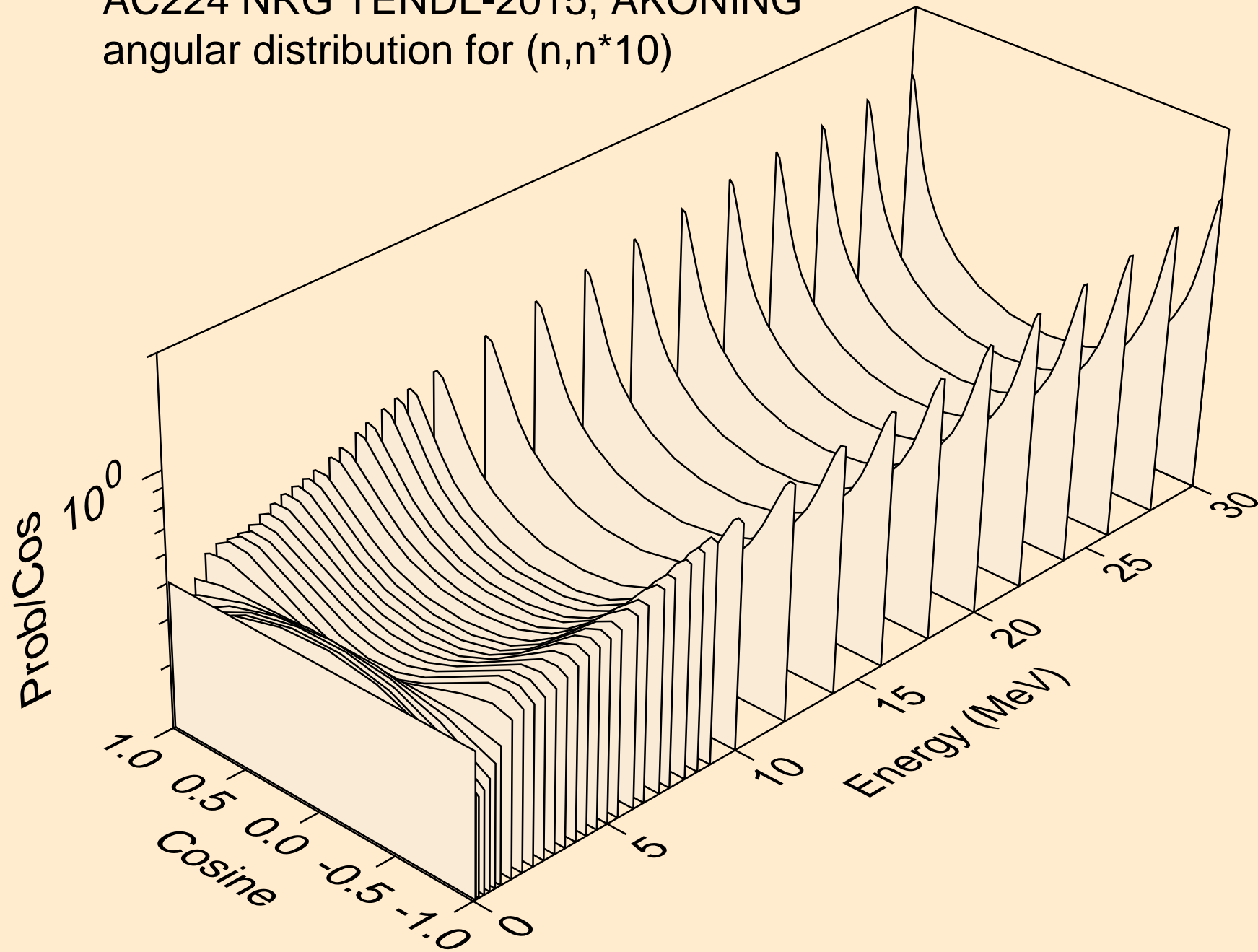


AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)

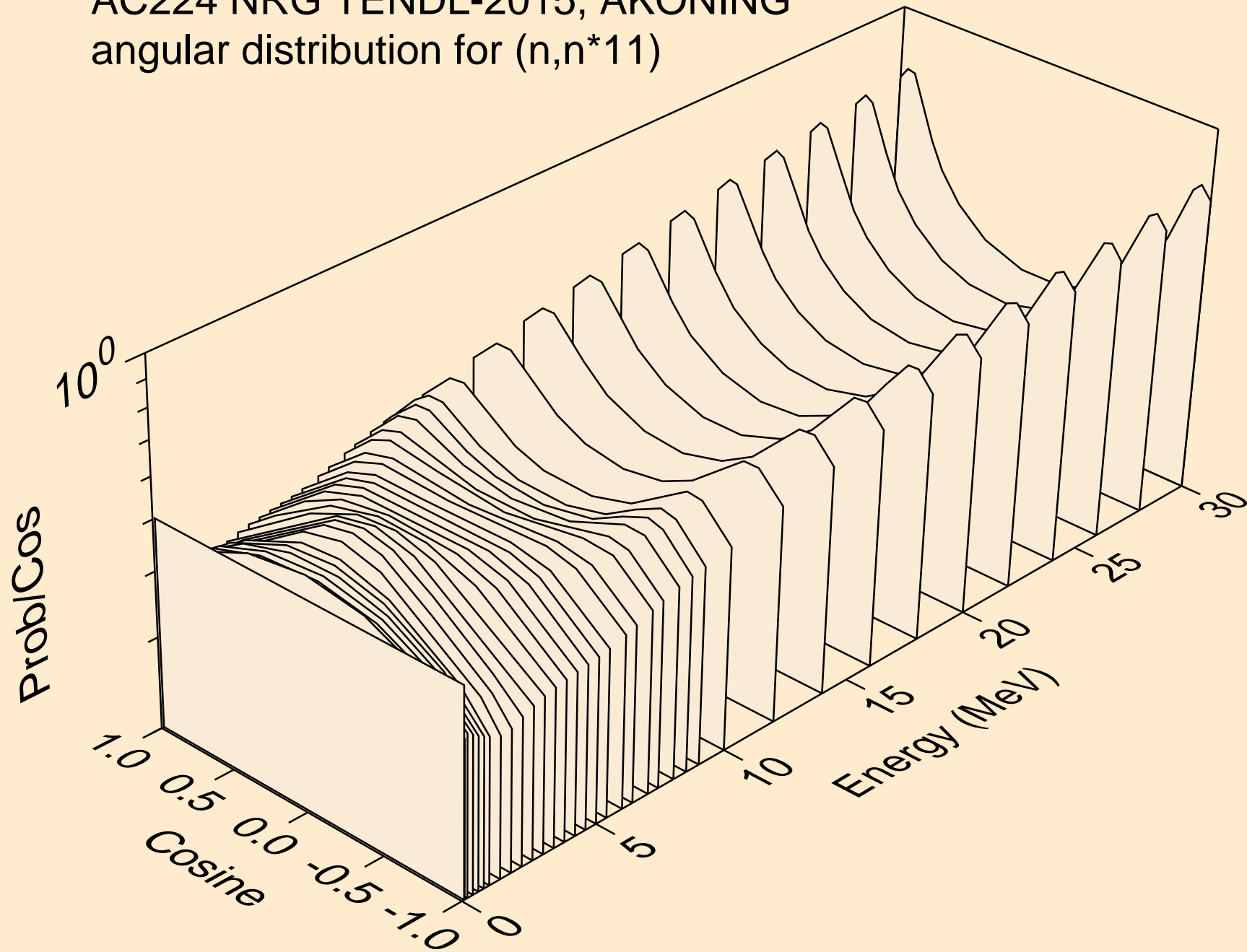




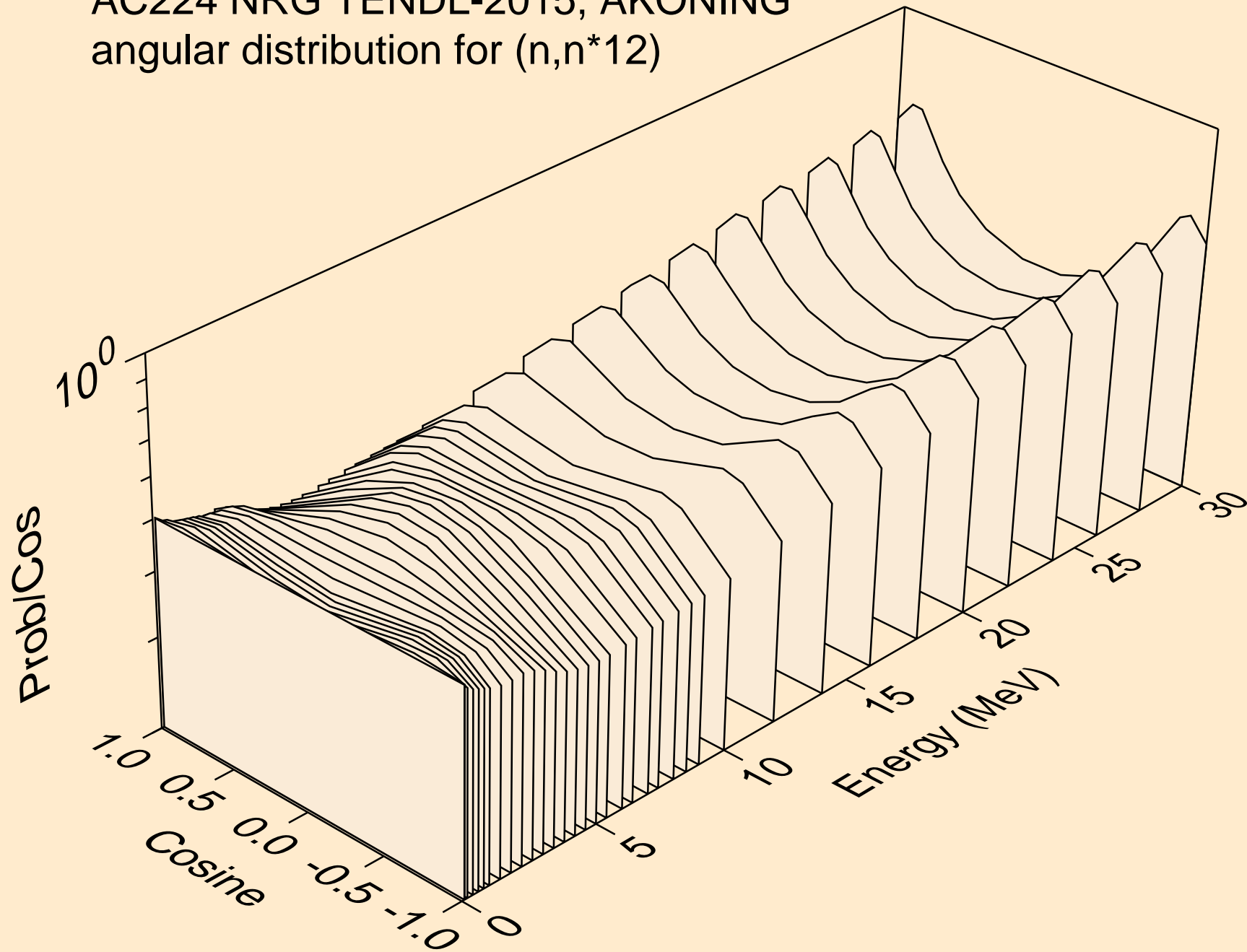
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



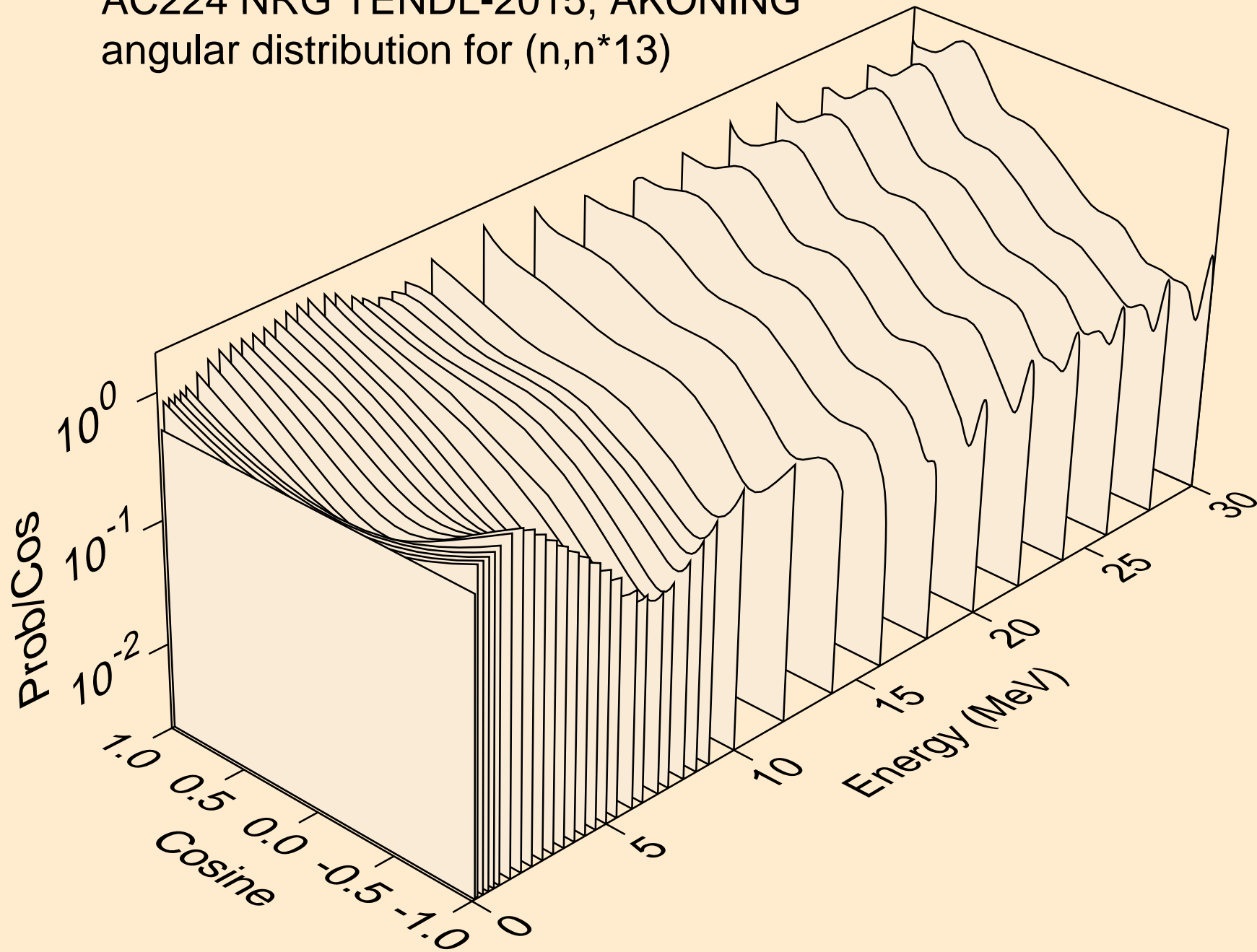
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



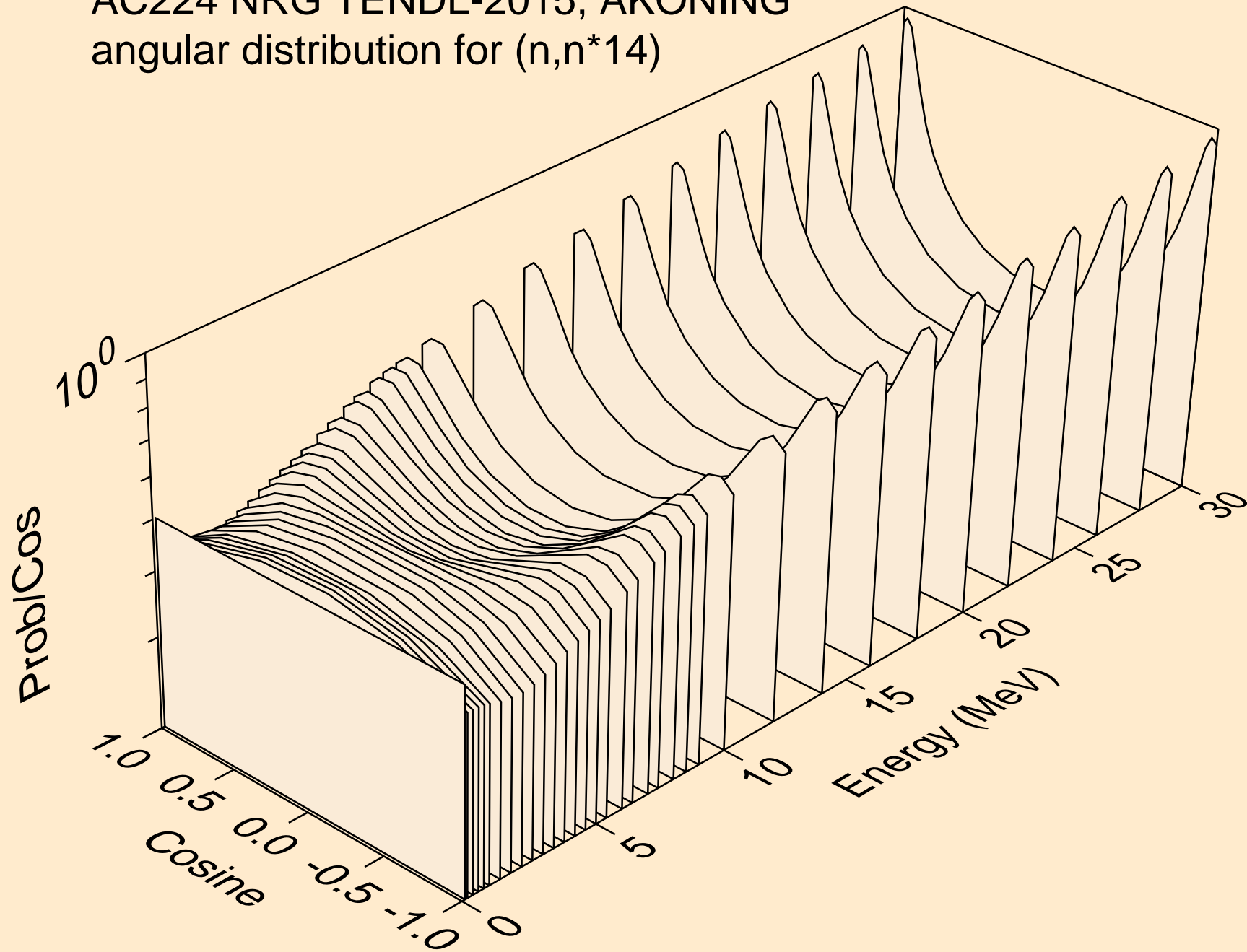
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



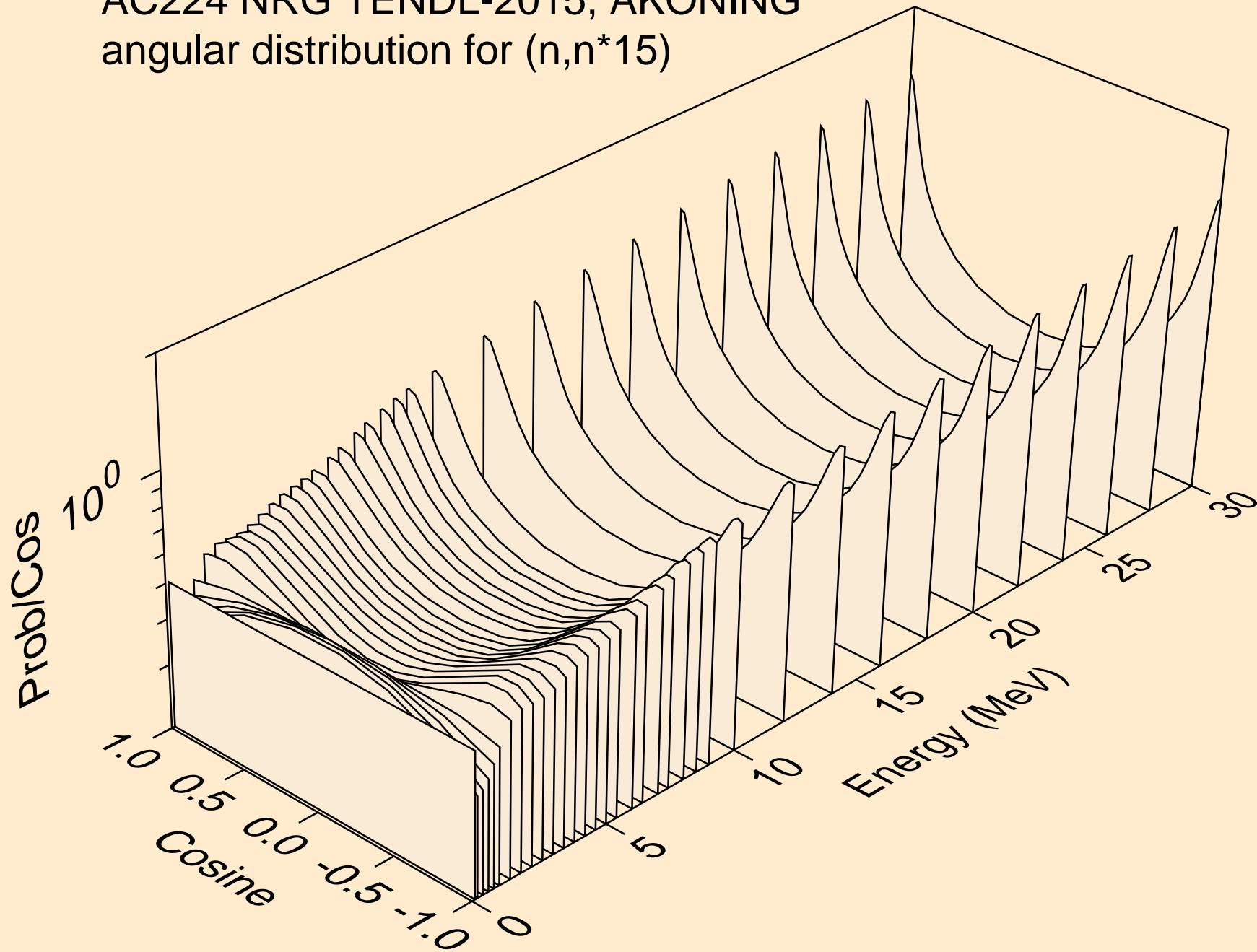
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



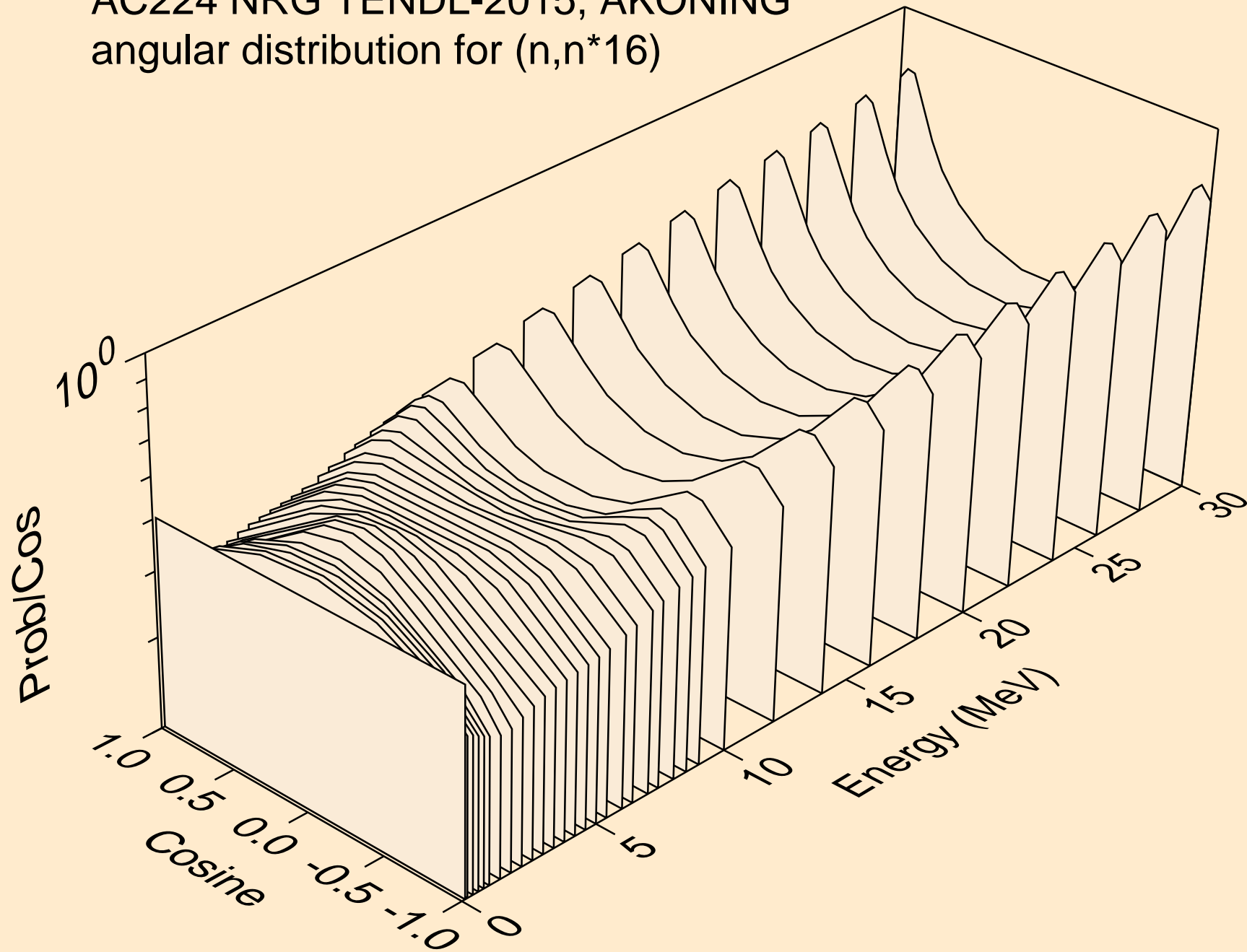
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



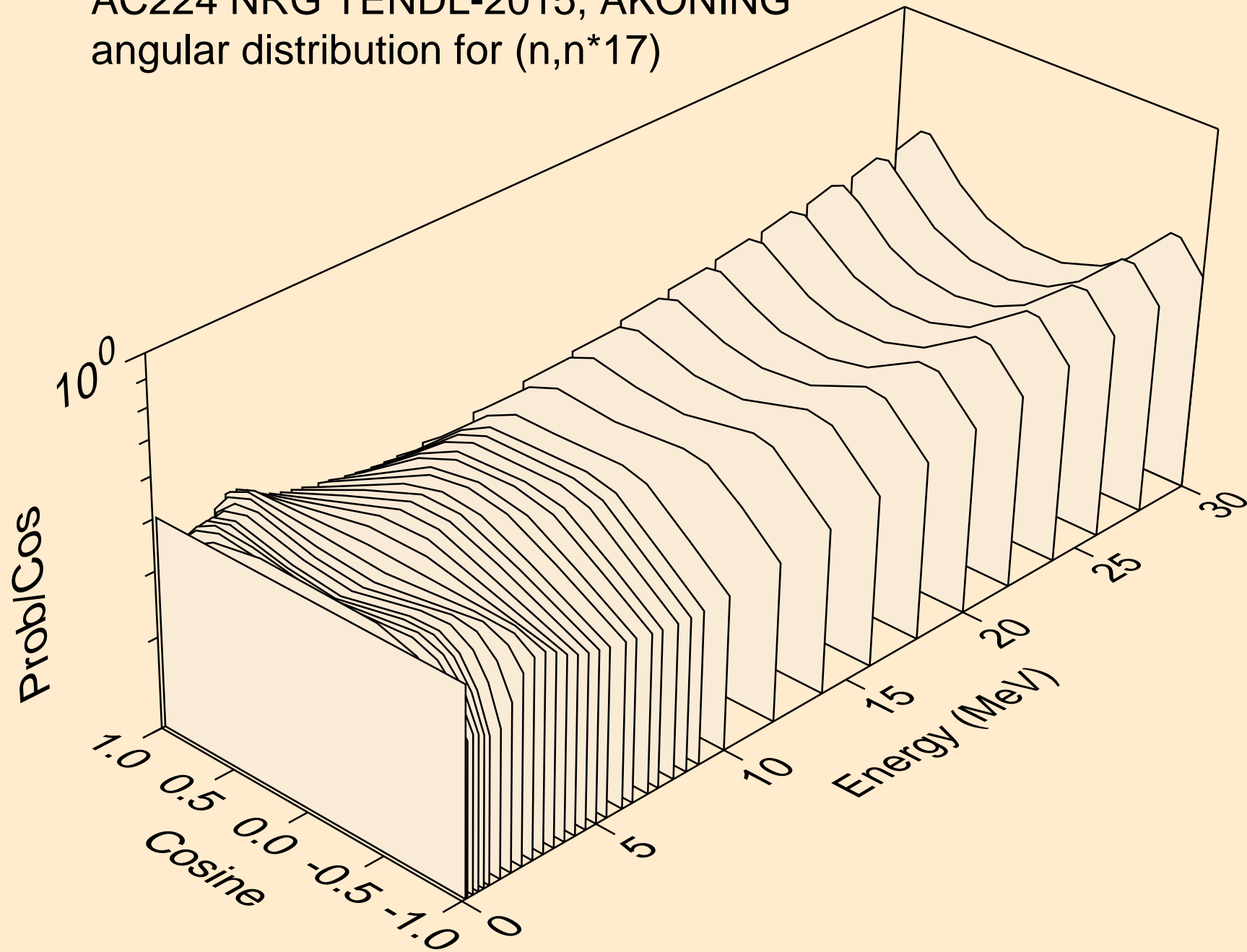
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)

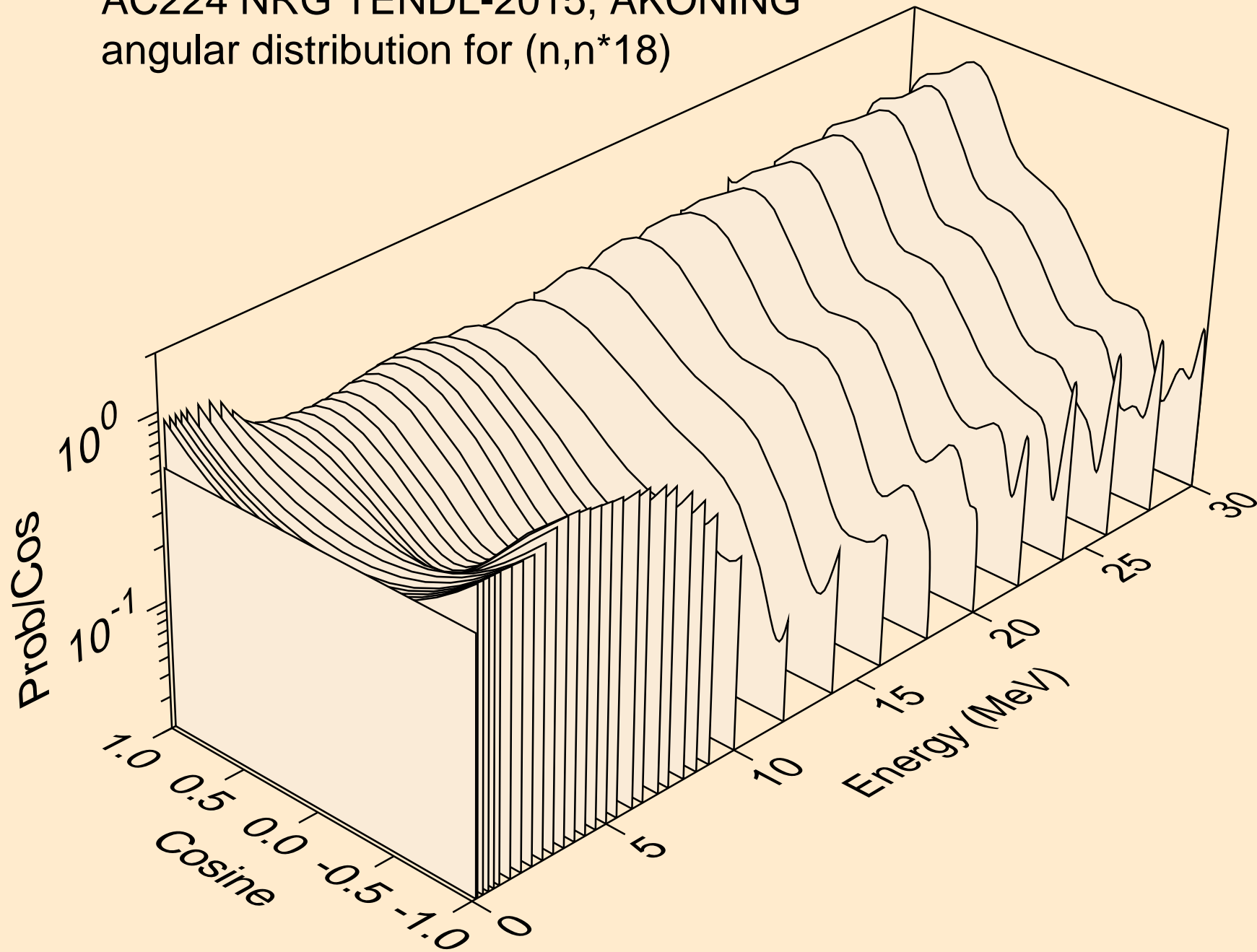


AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)

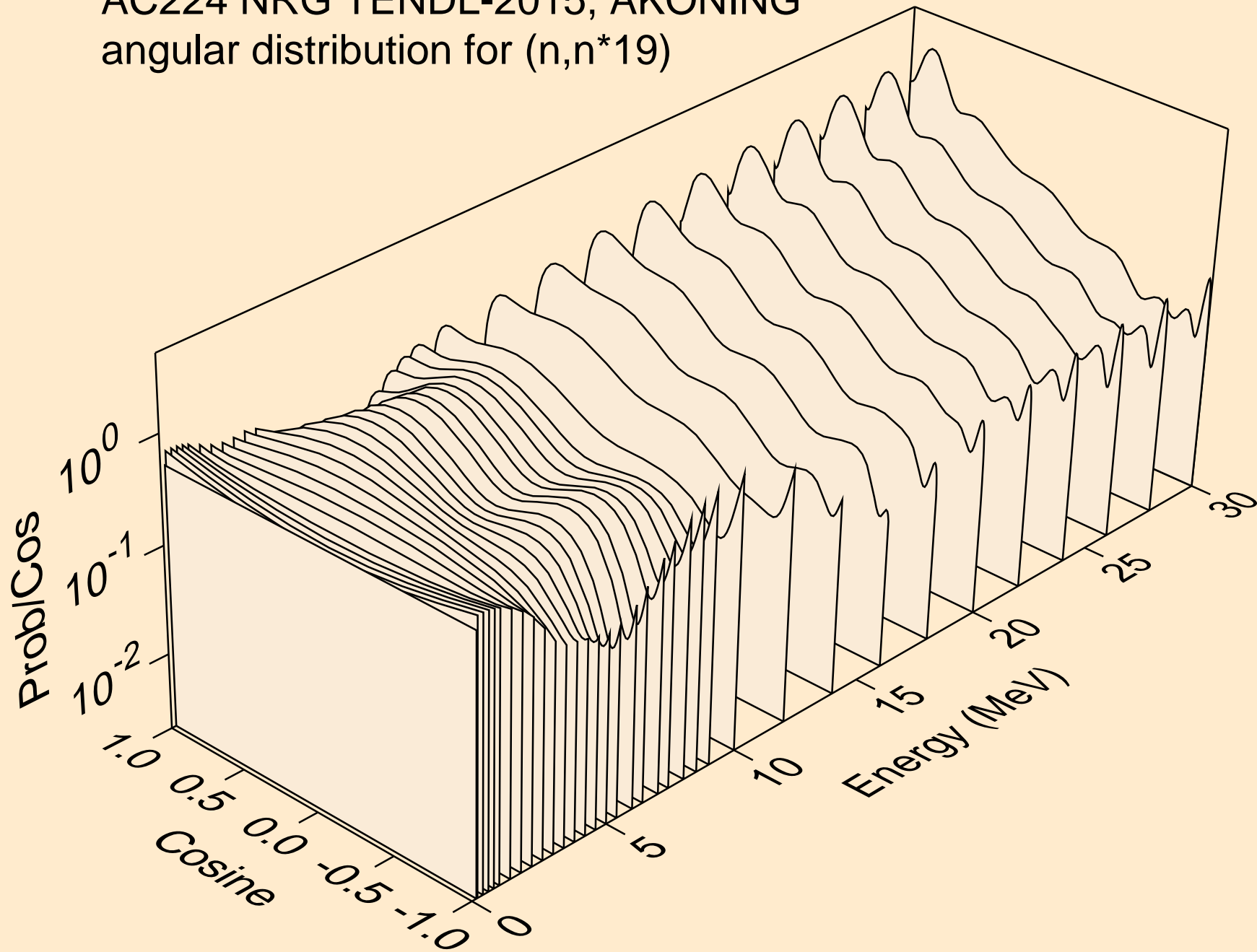




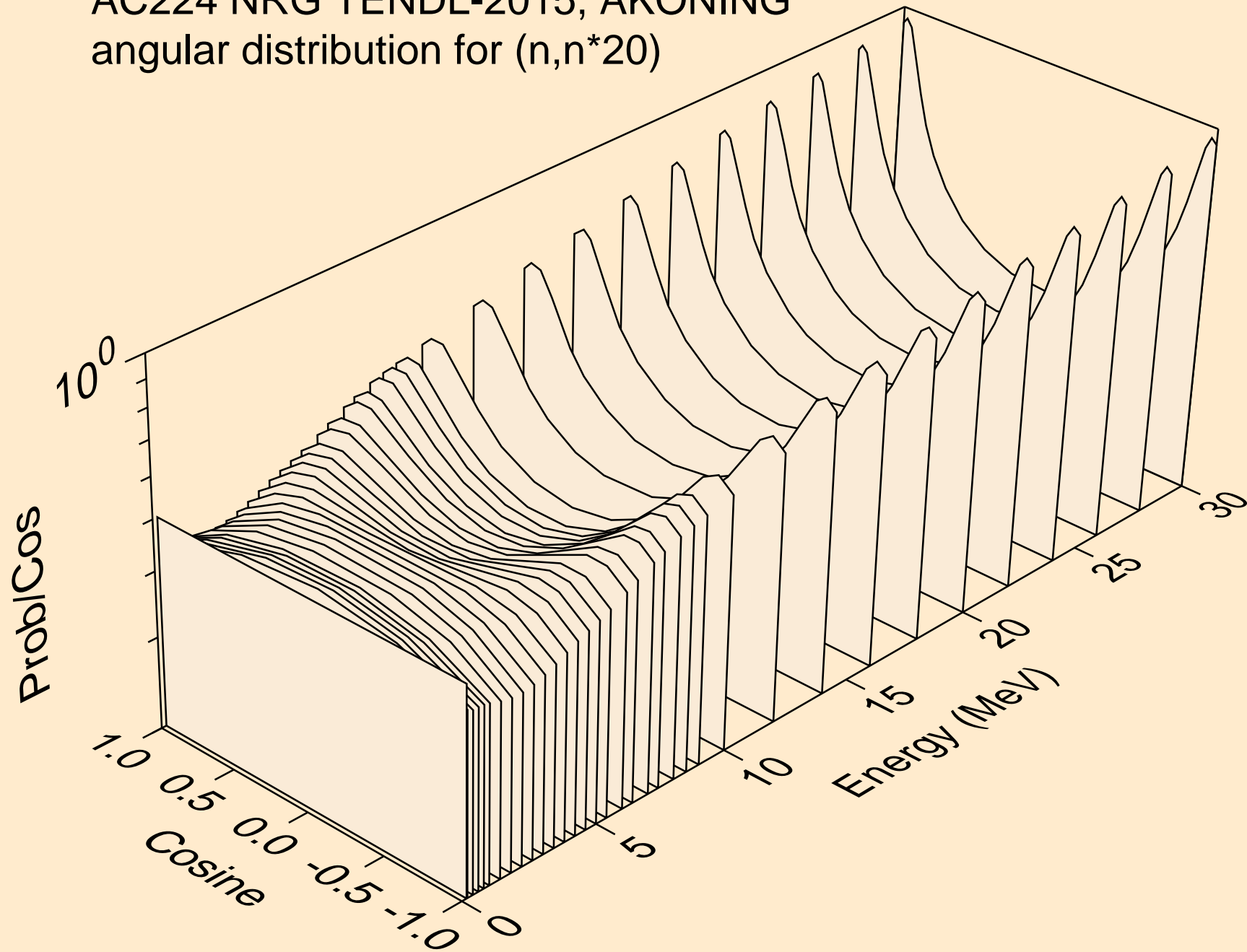
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



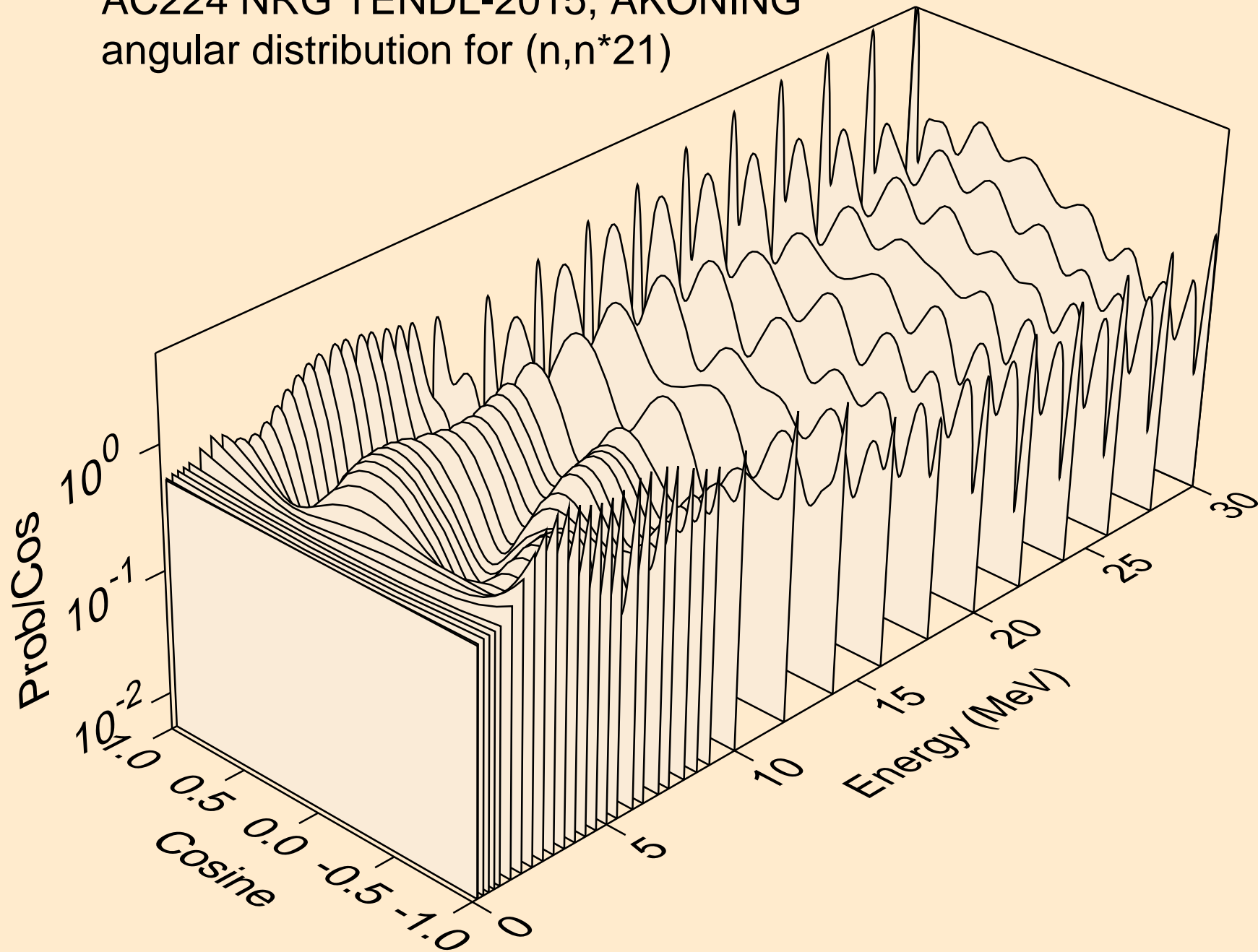
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



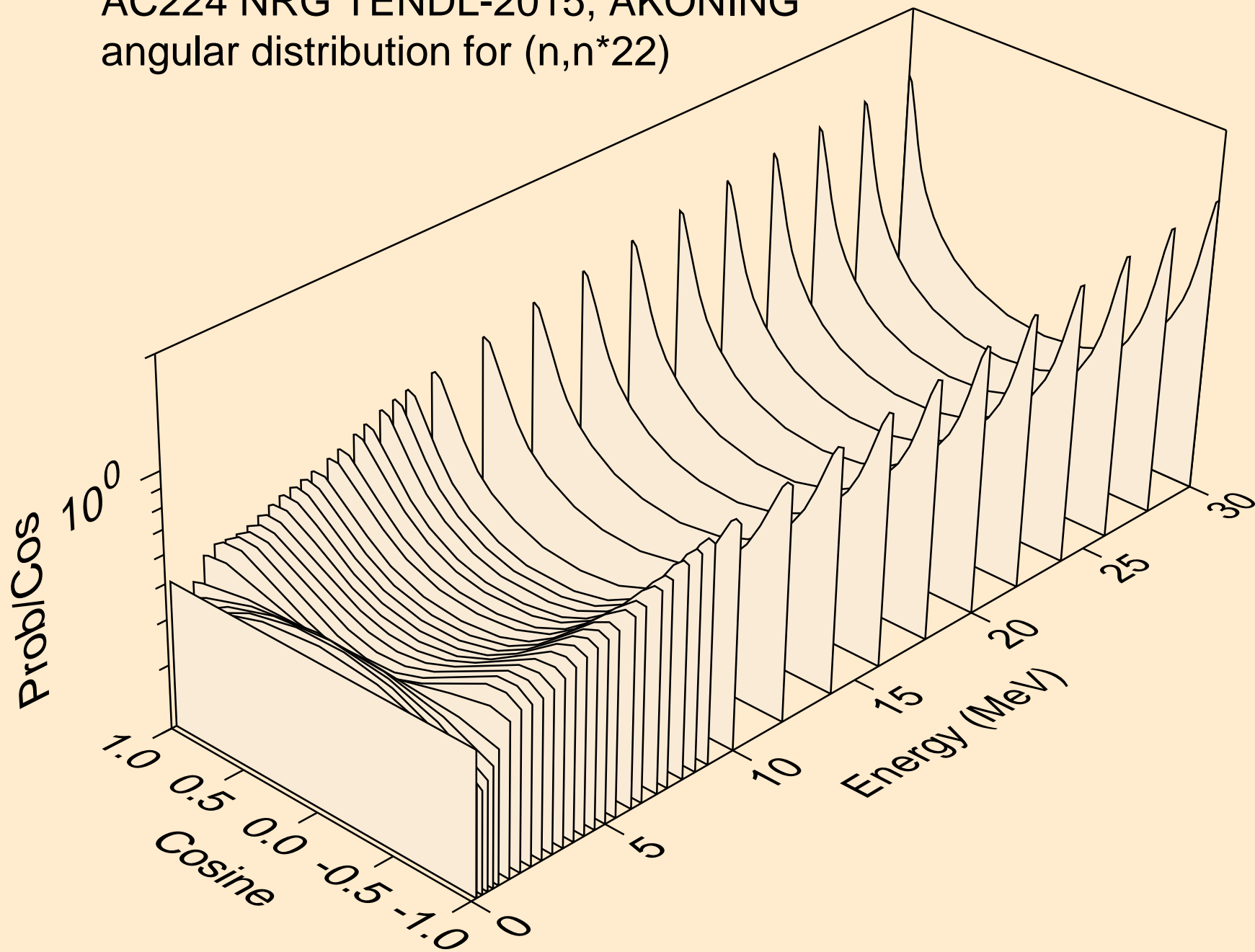
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



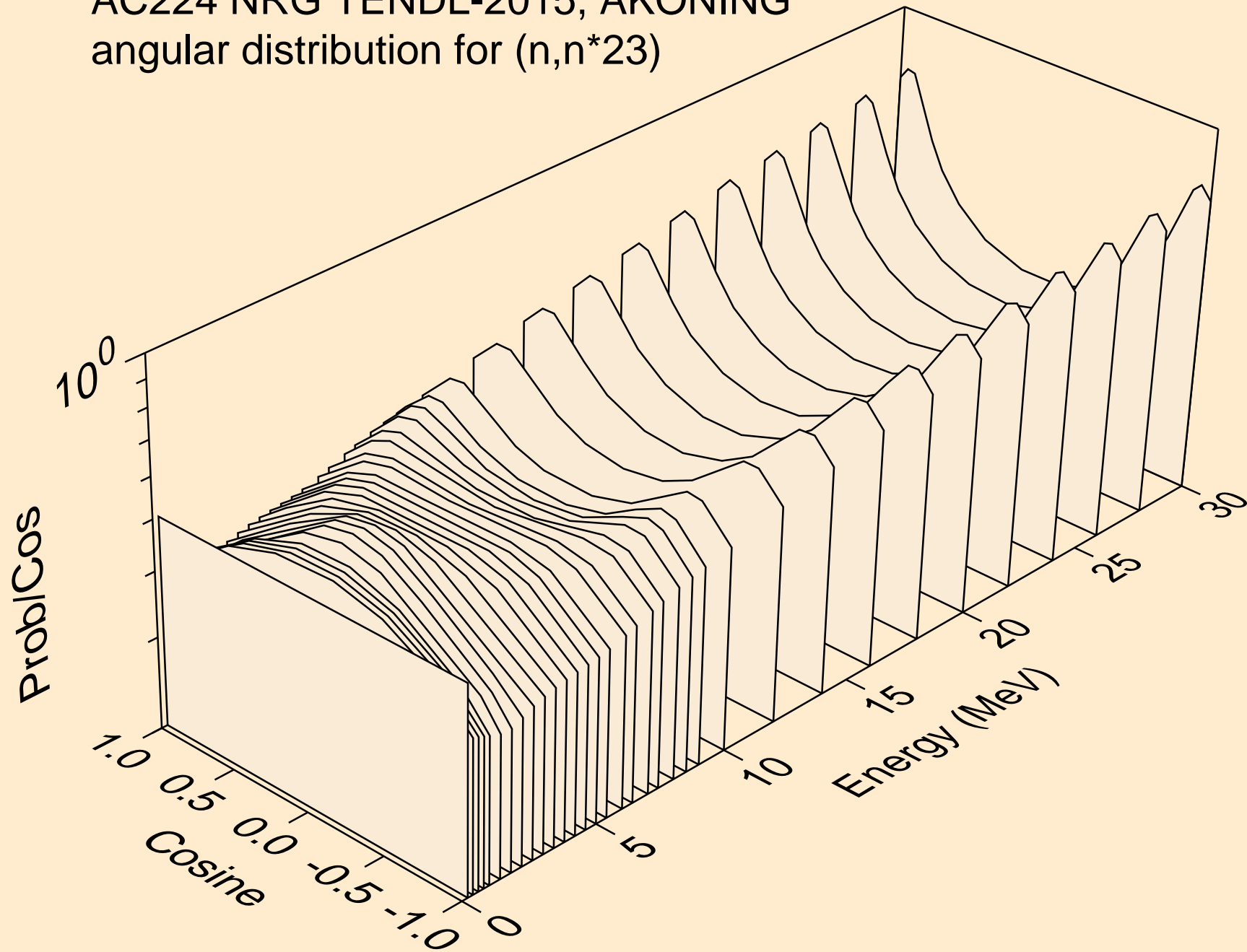
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



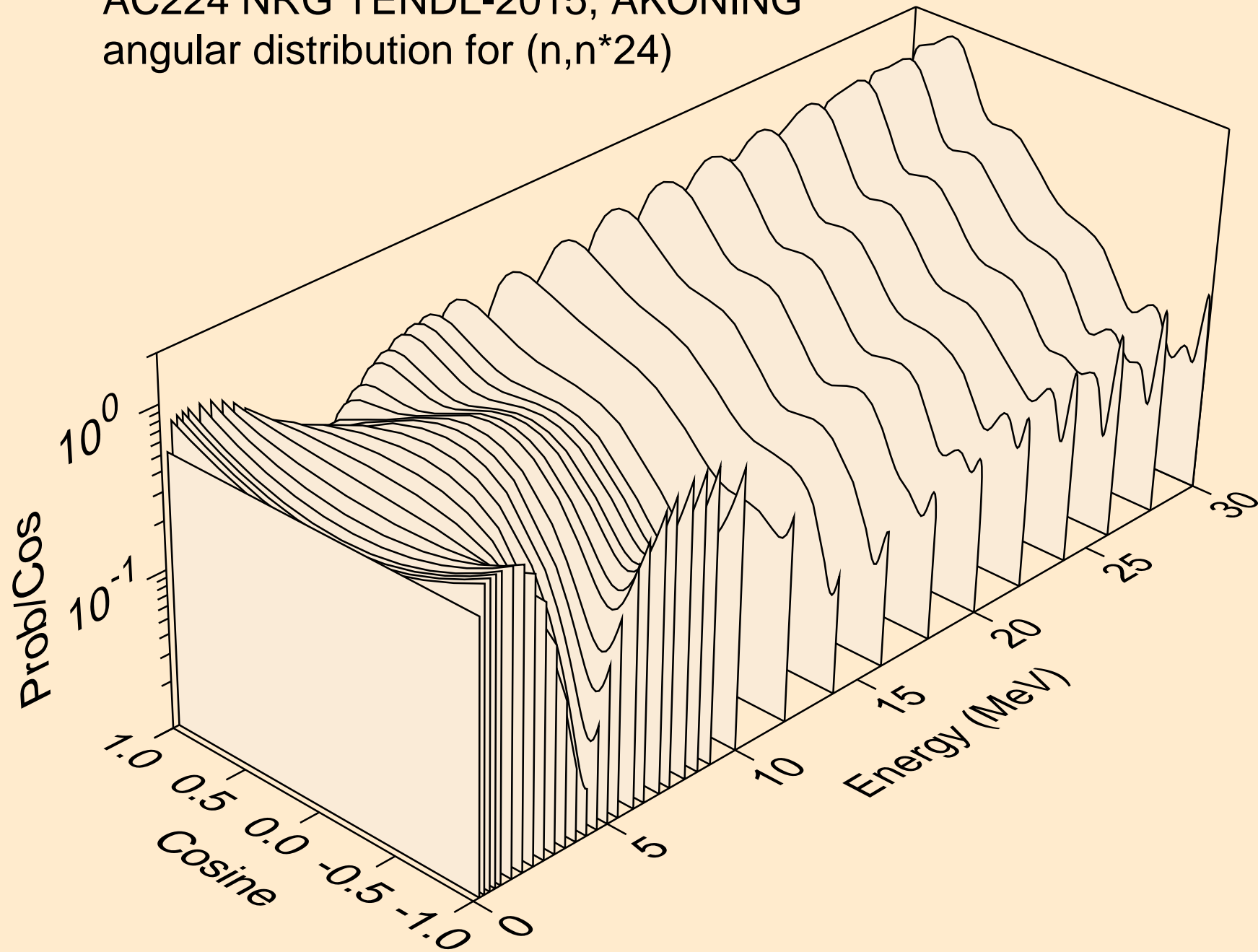
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



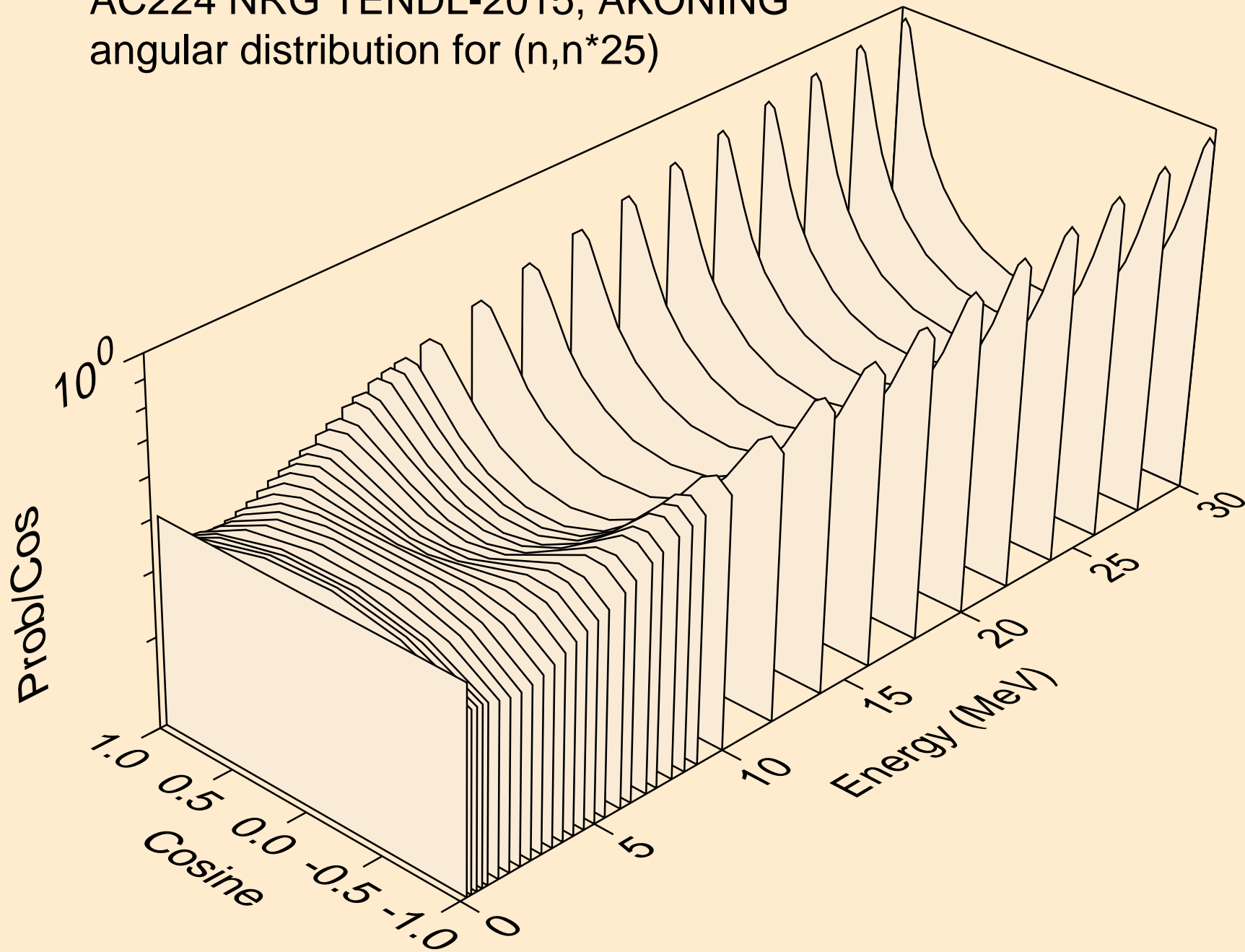
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)

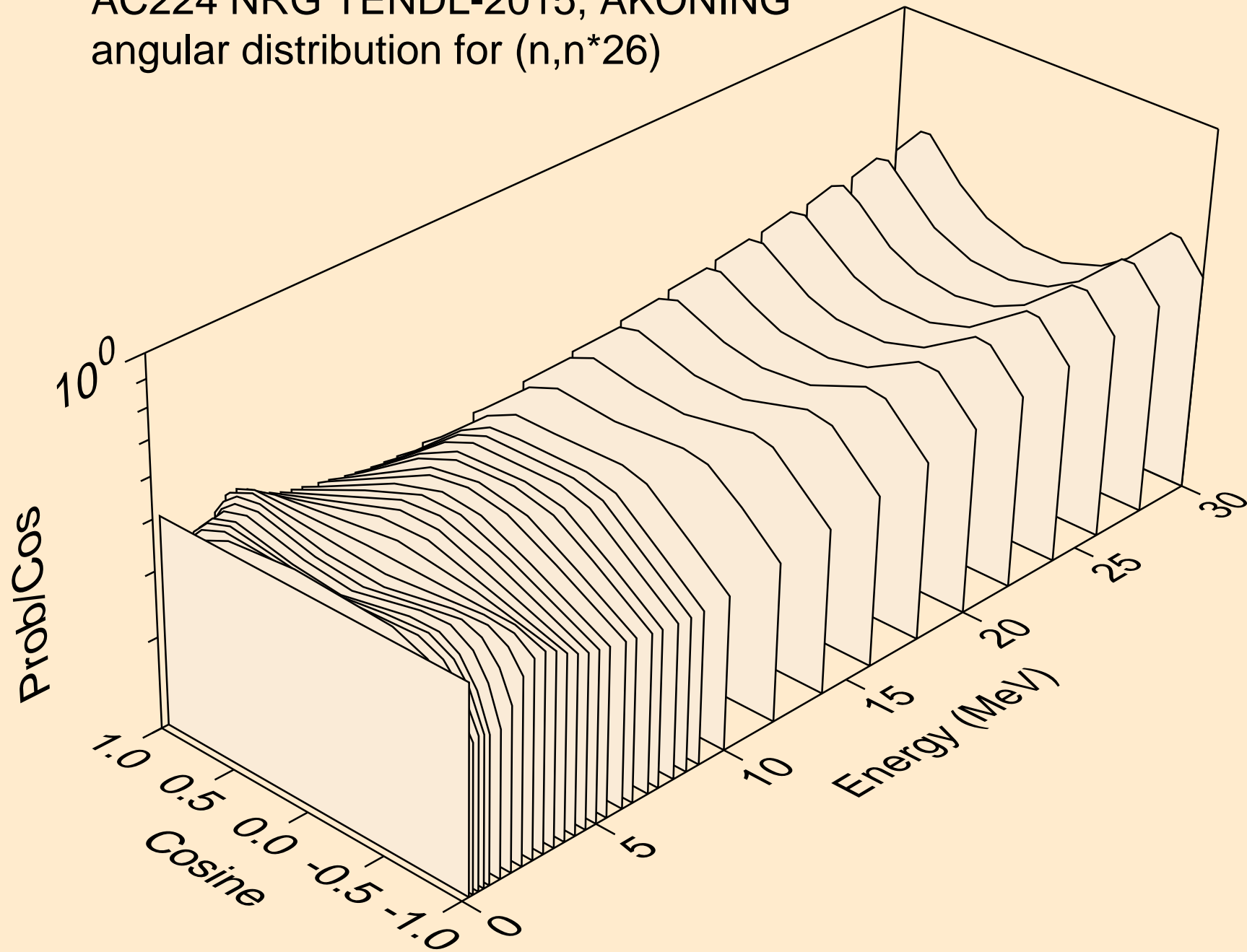


AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)

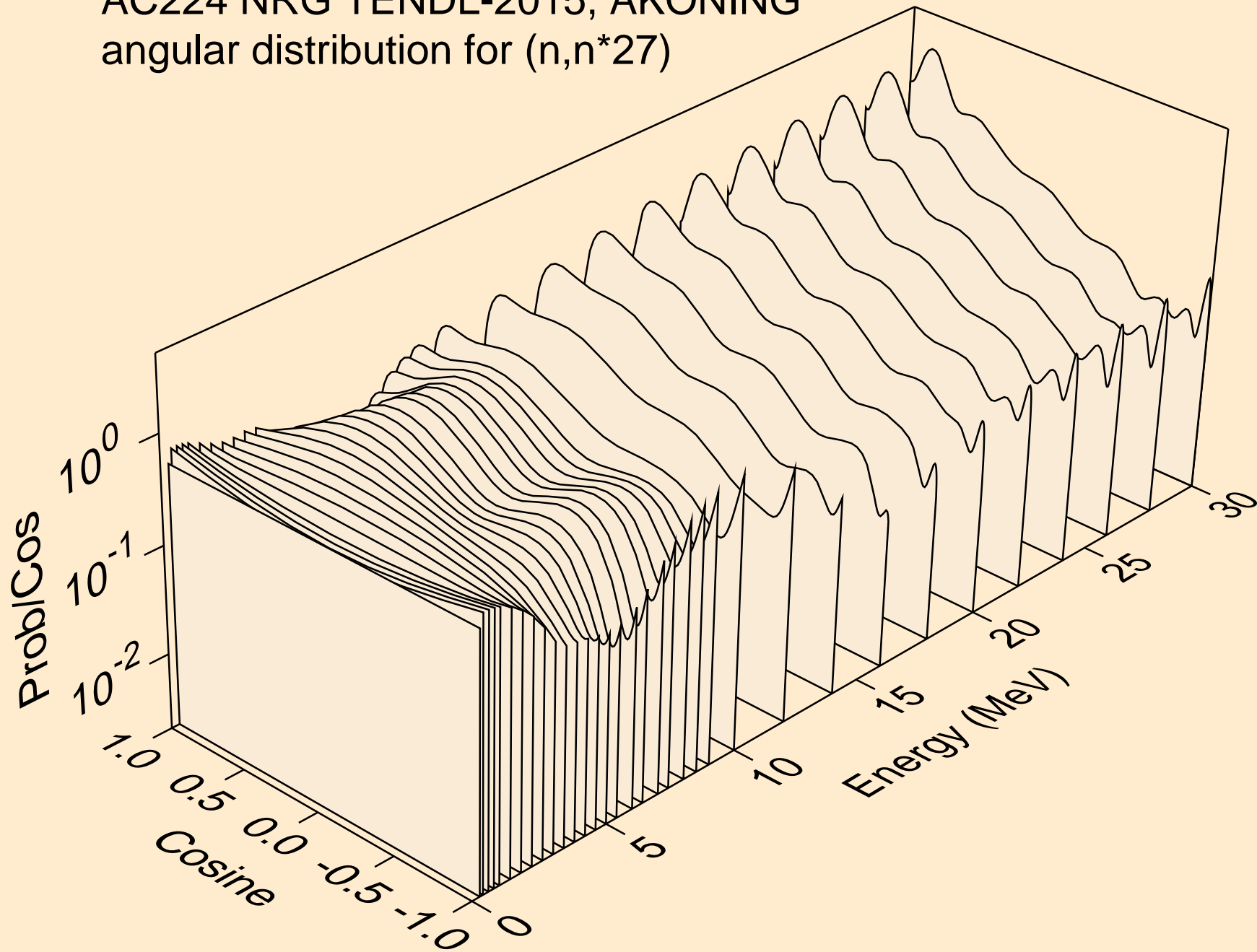




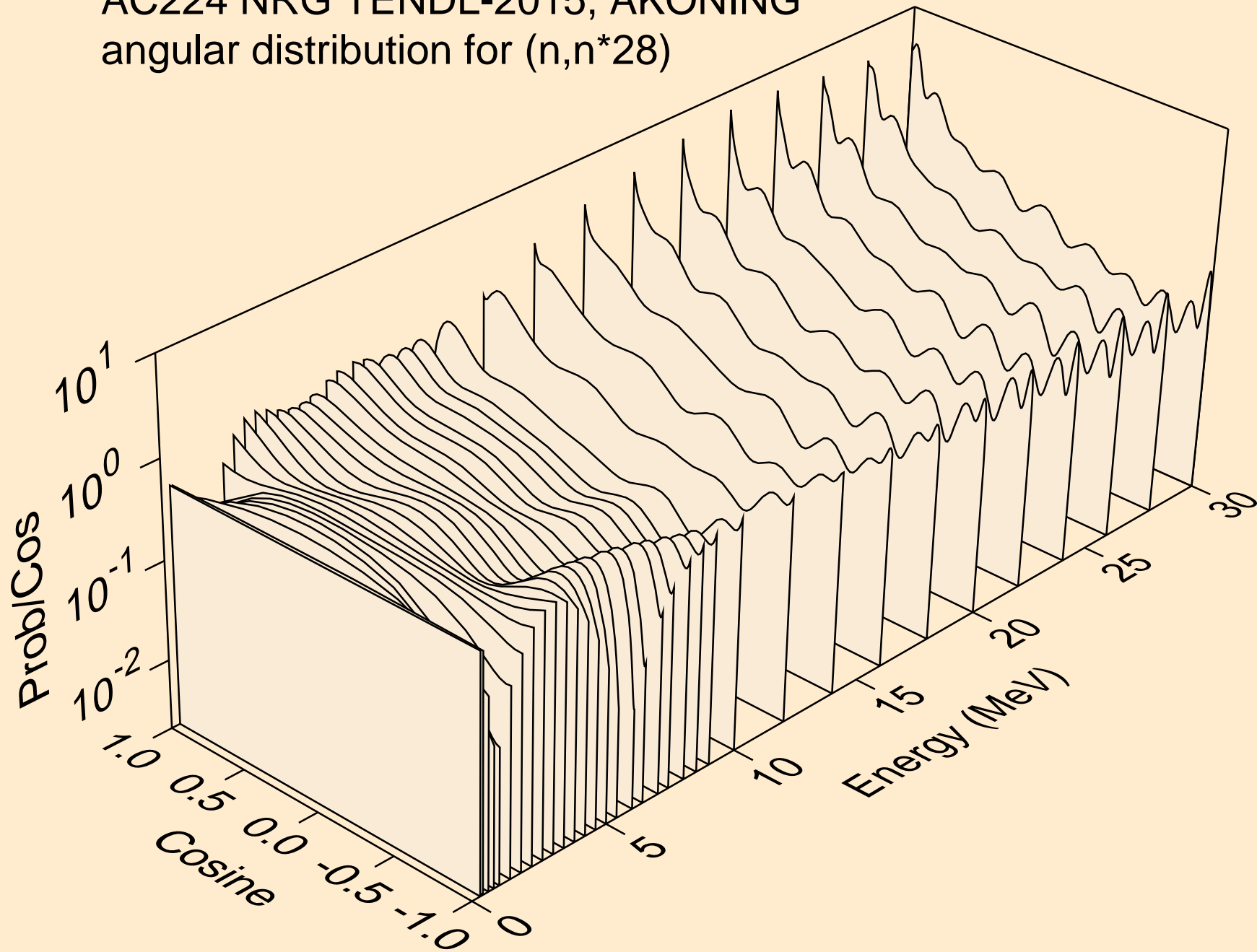
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



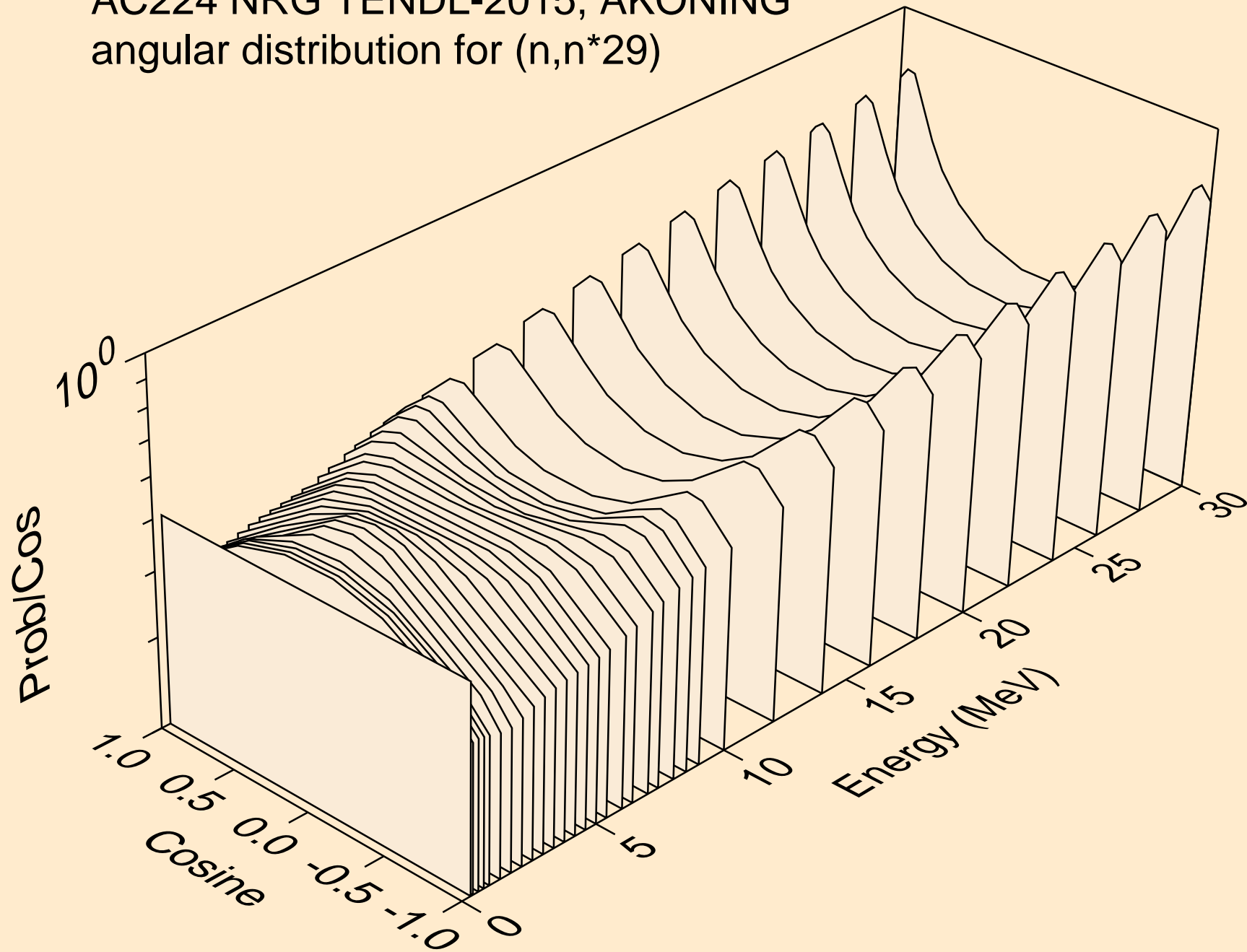
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



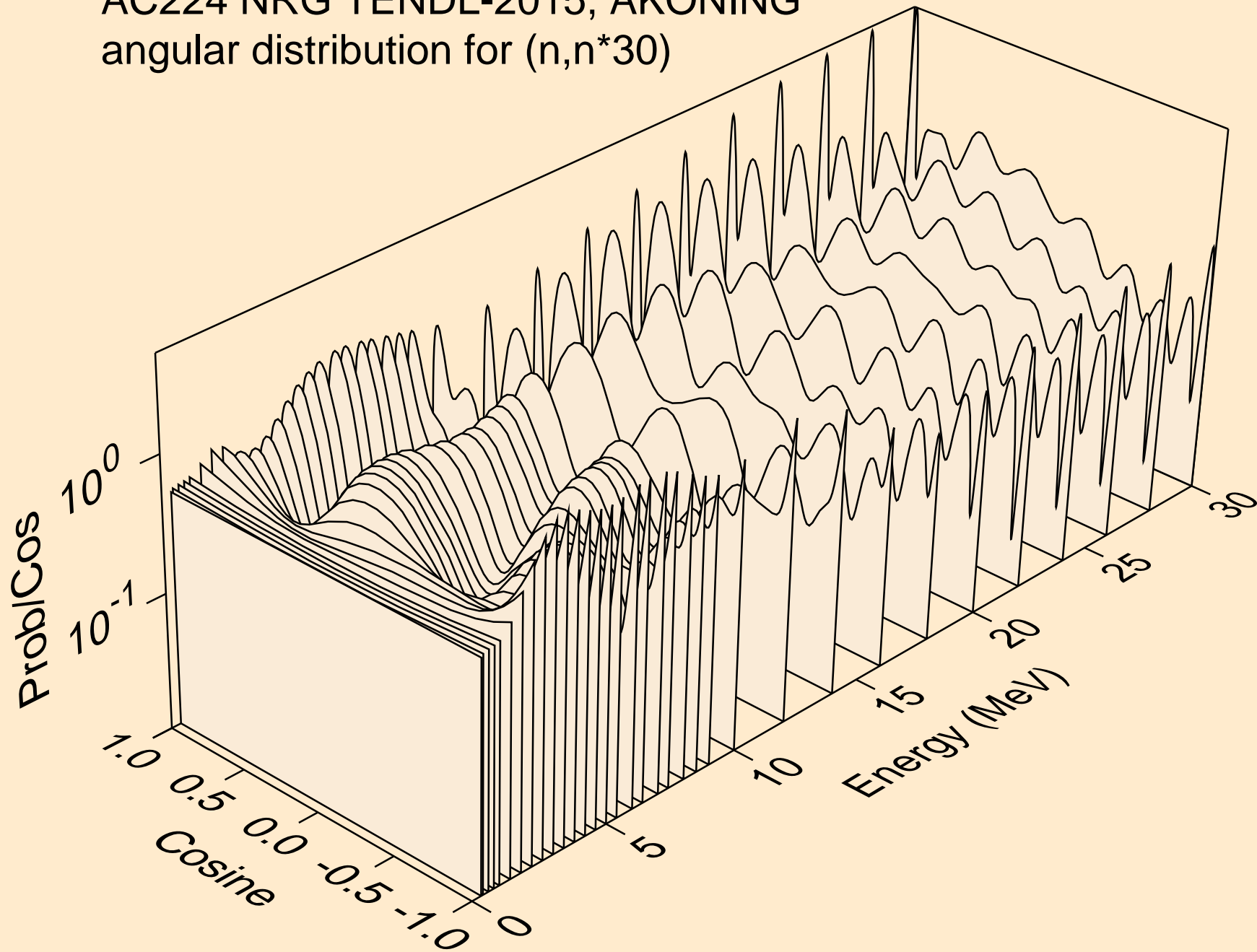
AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

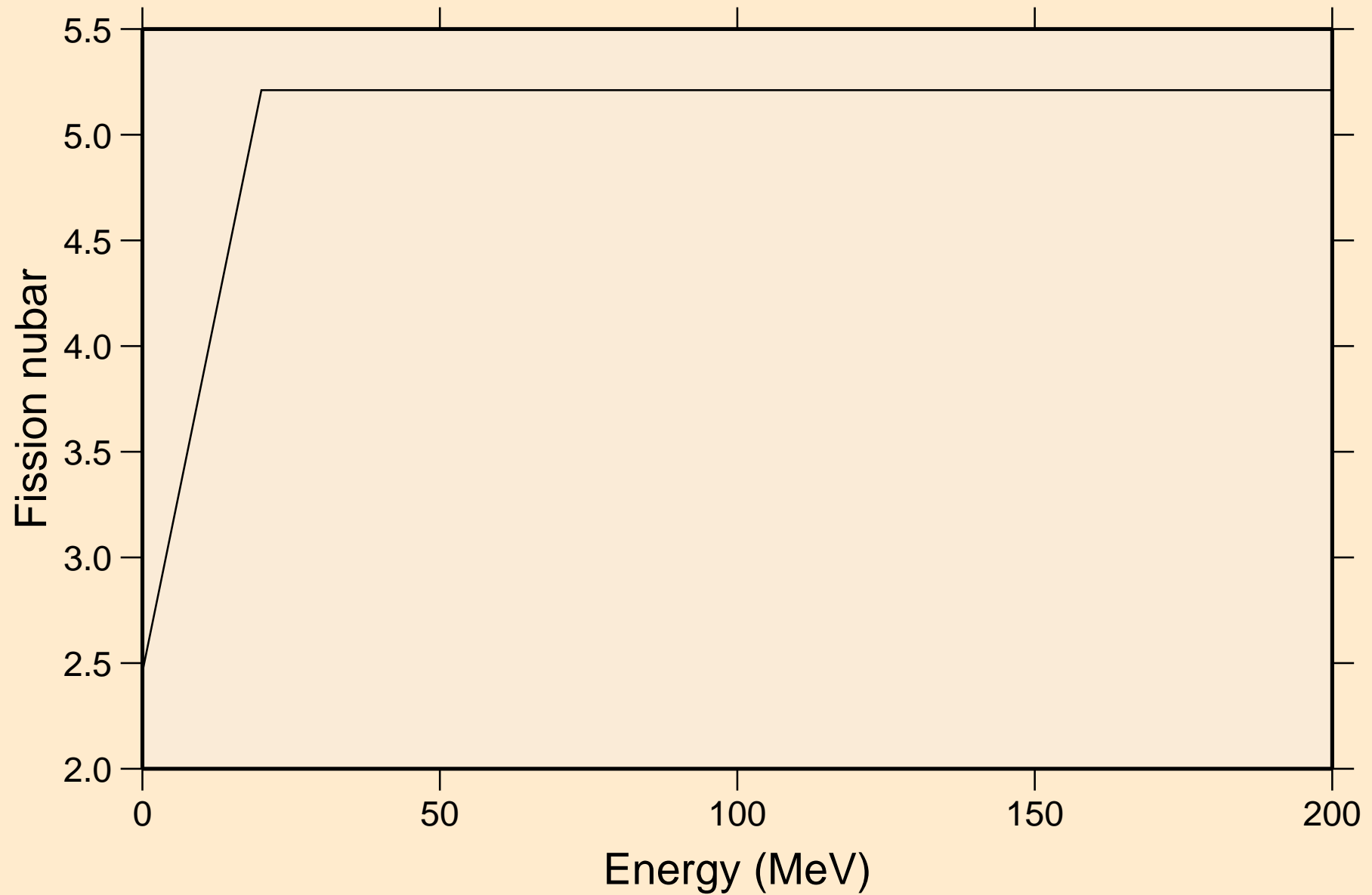


AC224 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

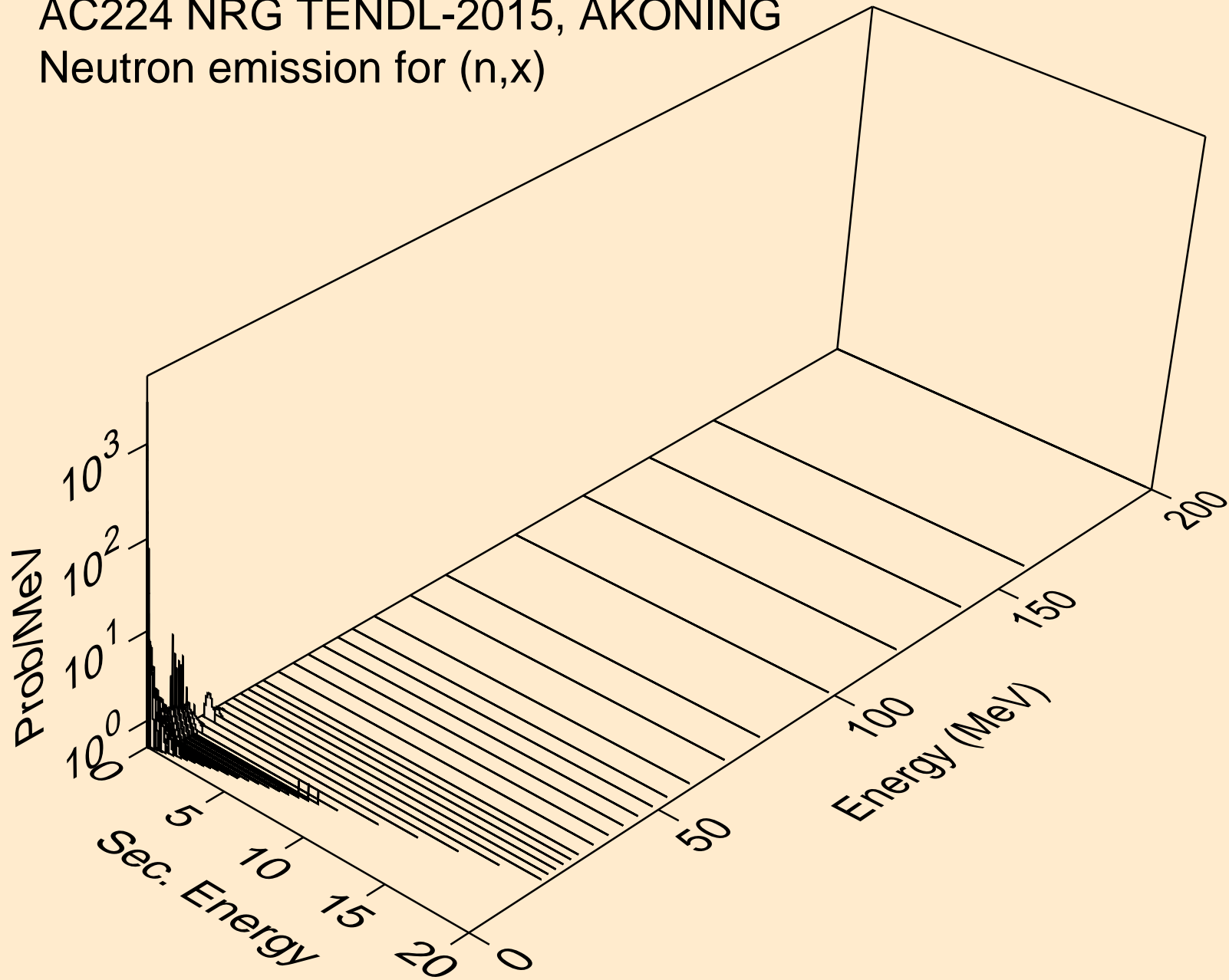


# AC224 NRG TENDL-2015, AKONING

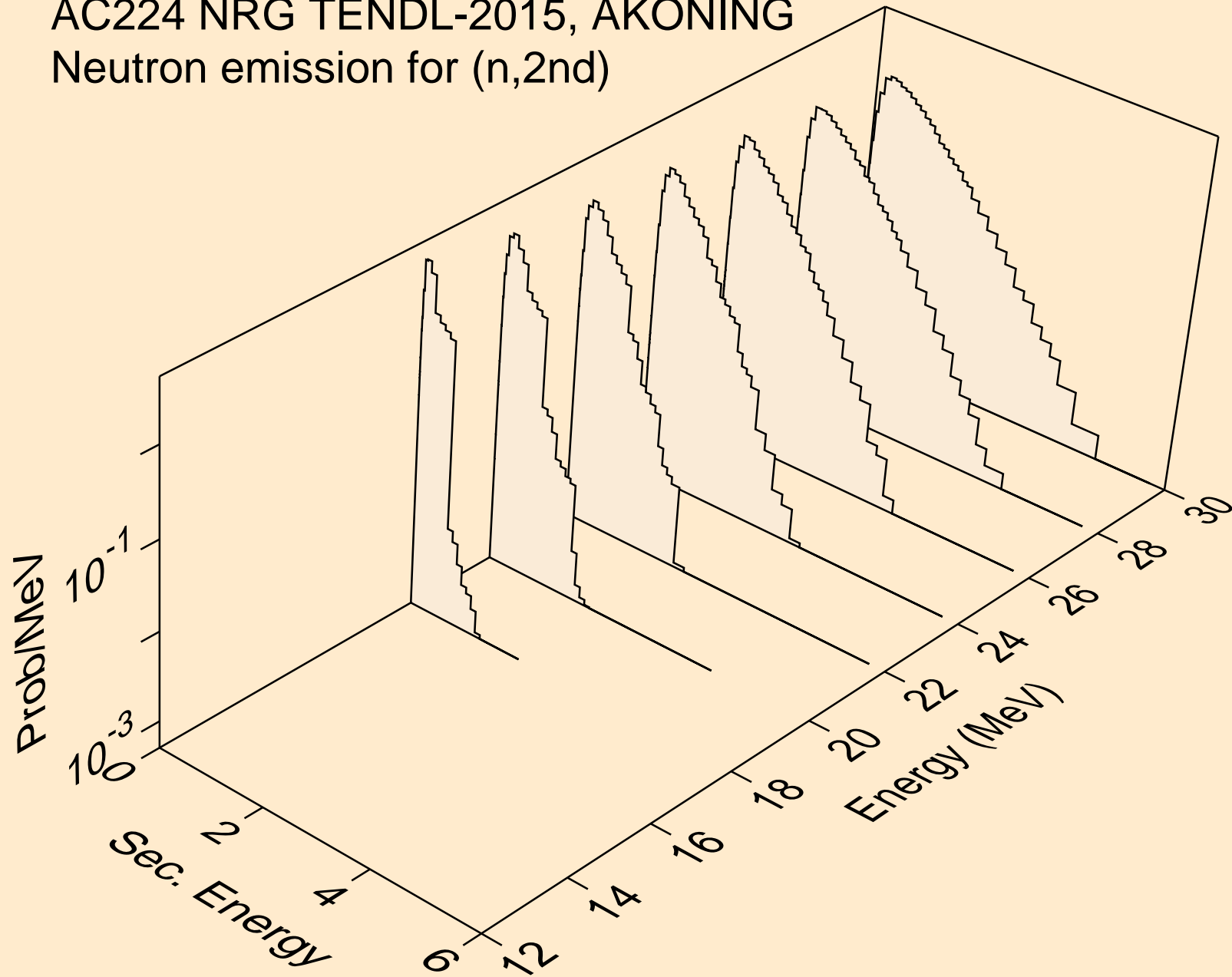
Total fission nubar



AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

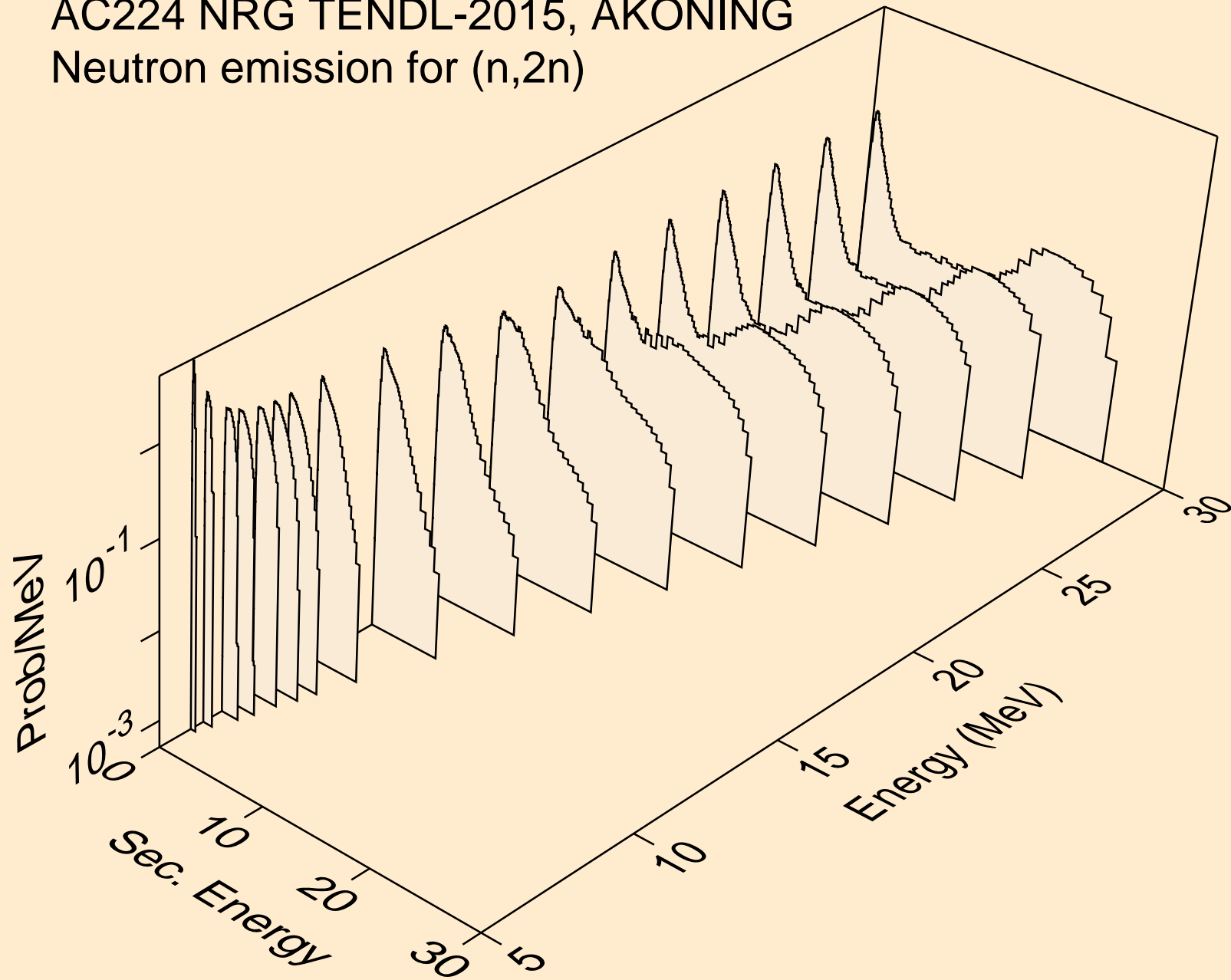


AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)

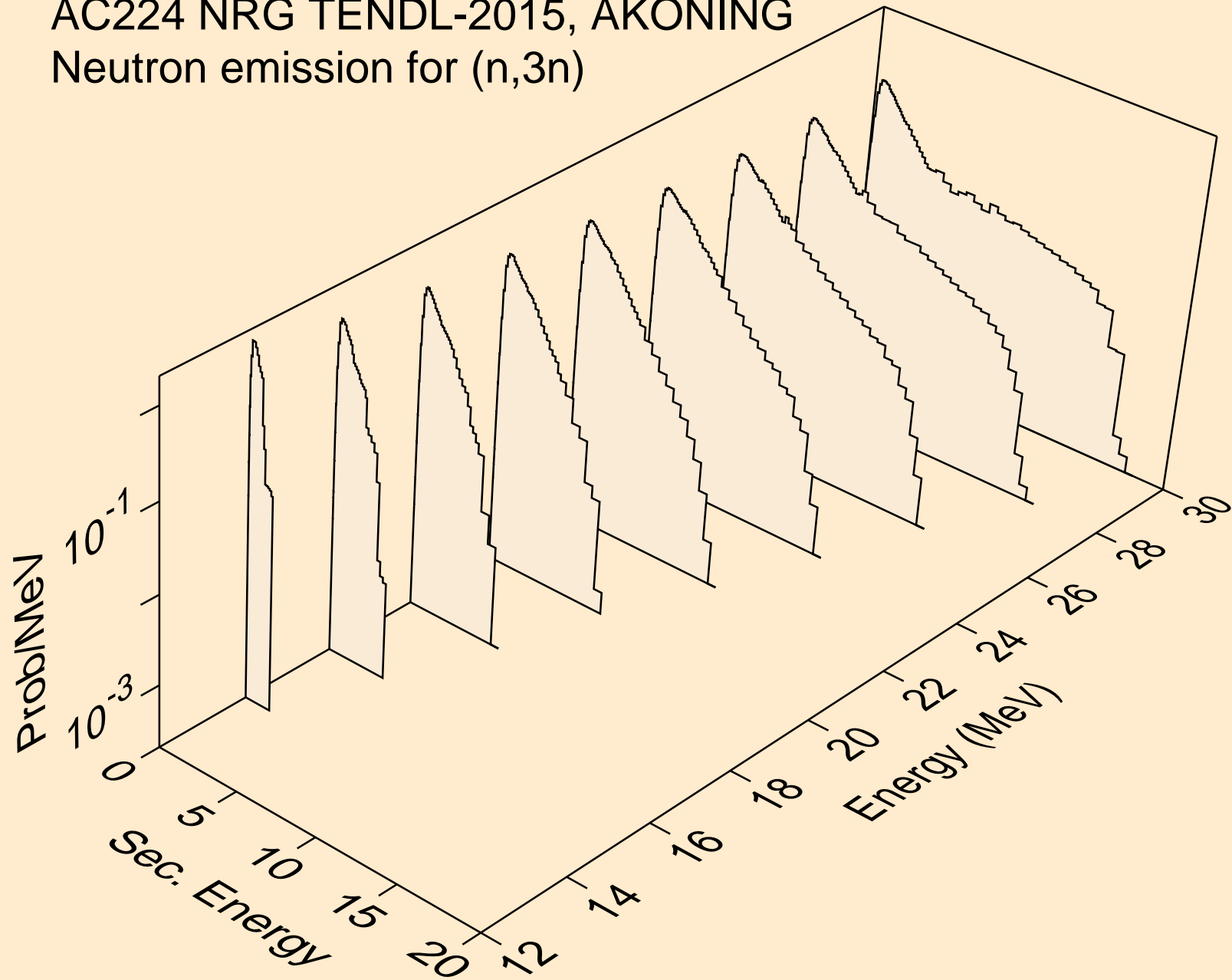




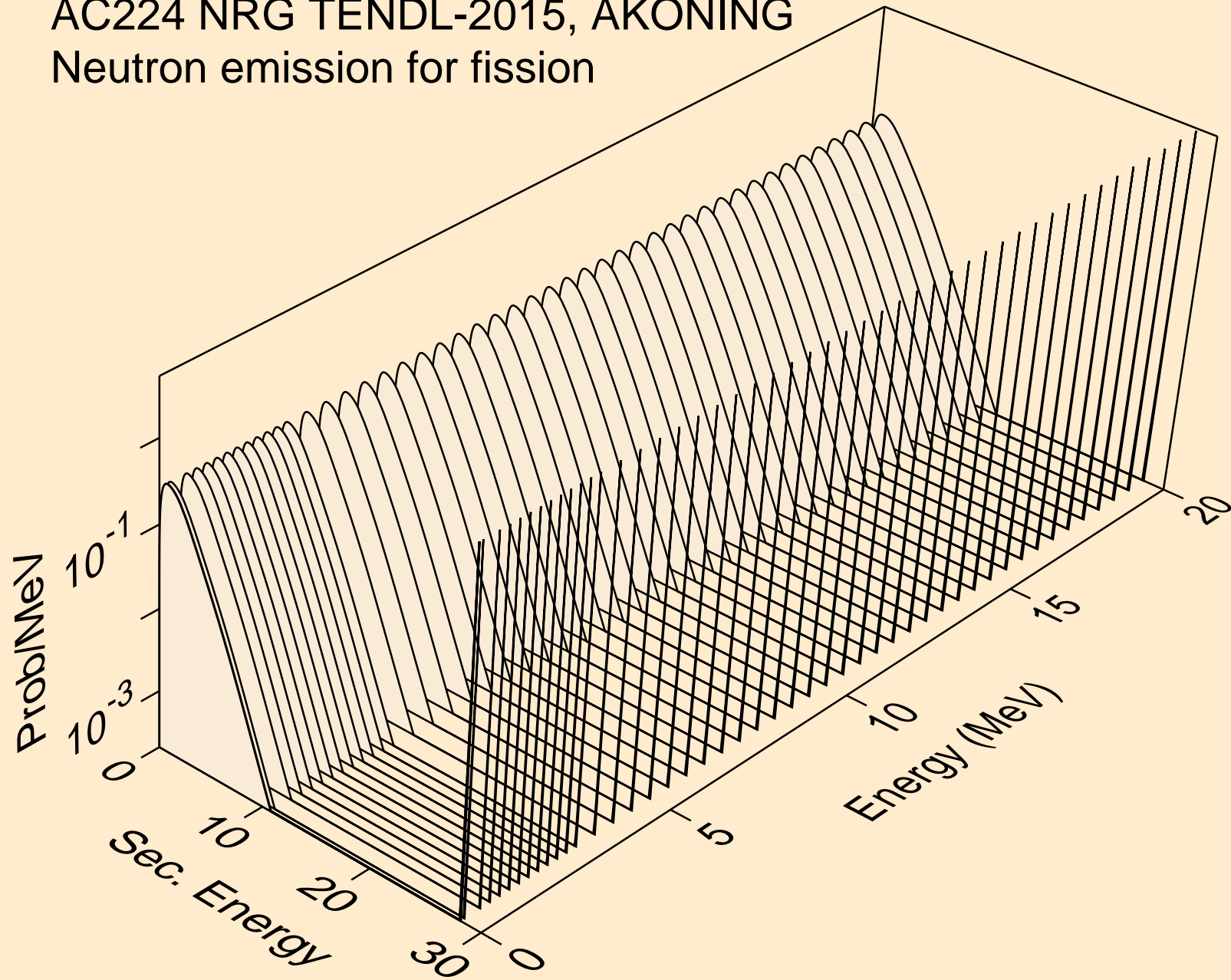
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



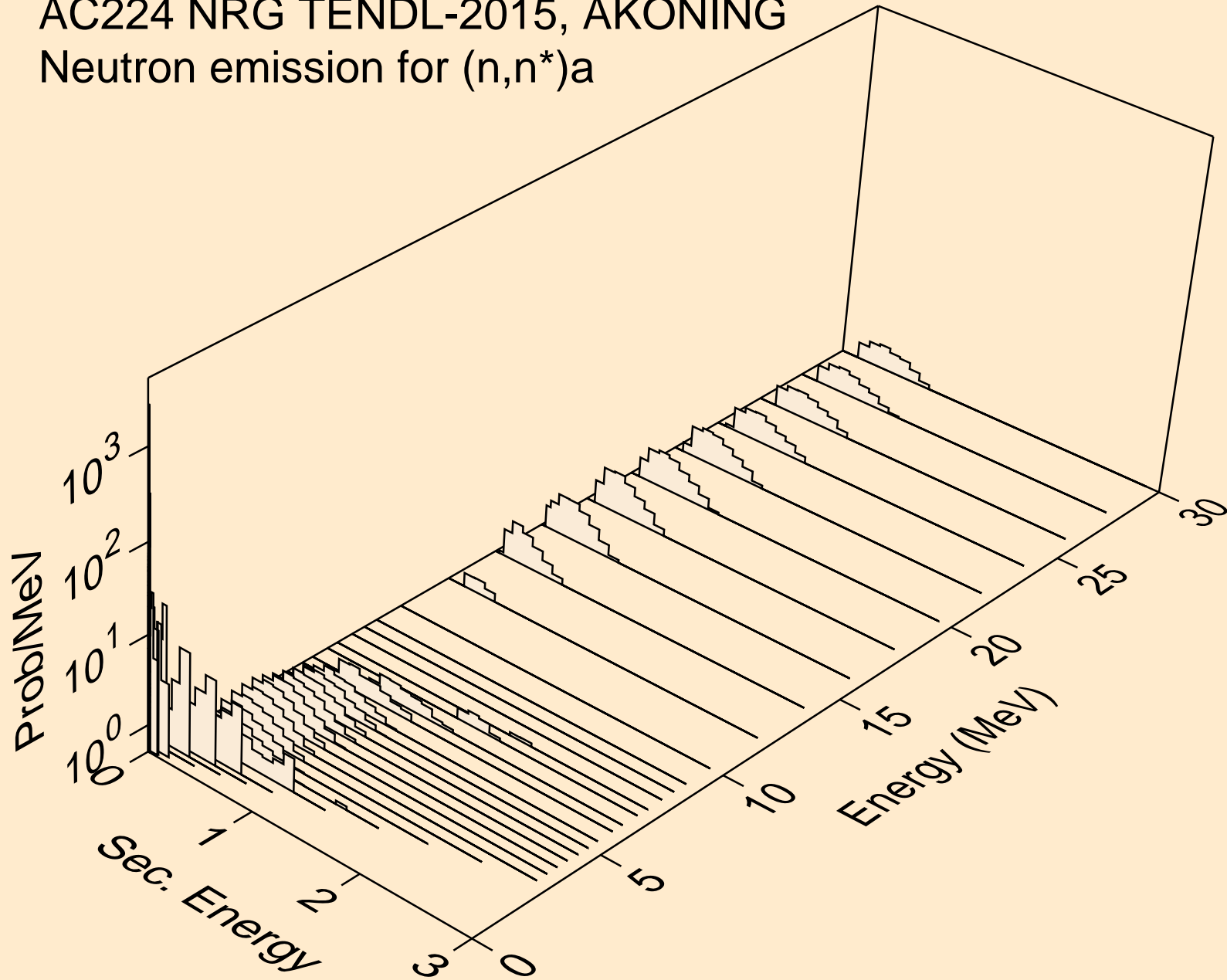
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



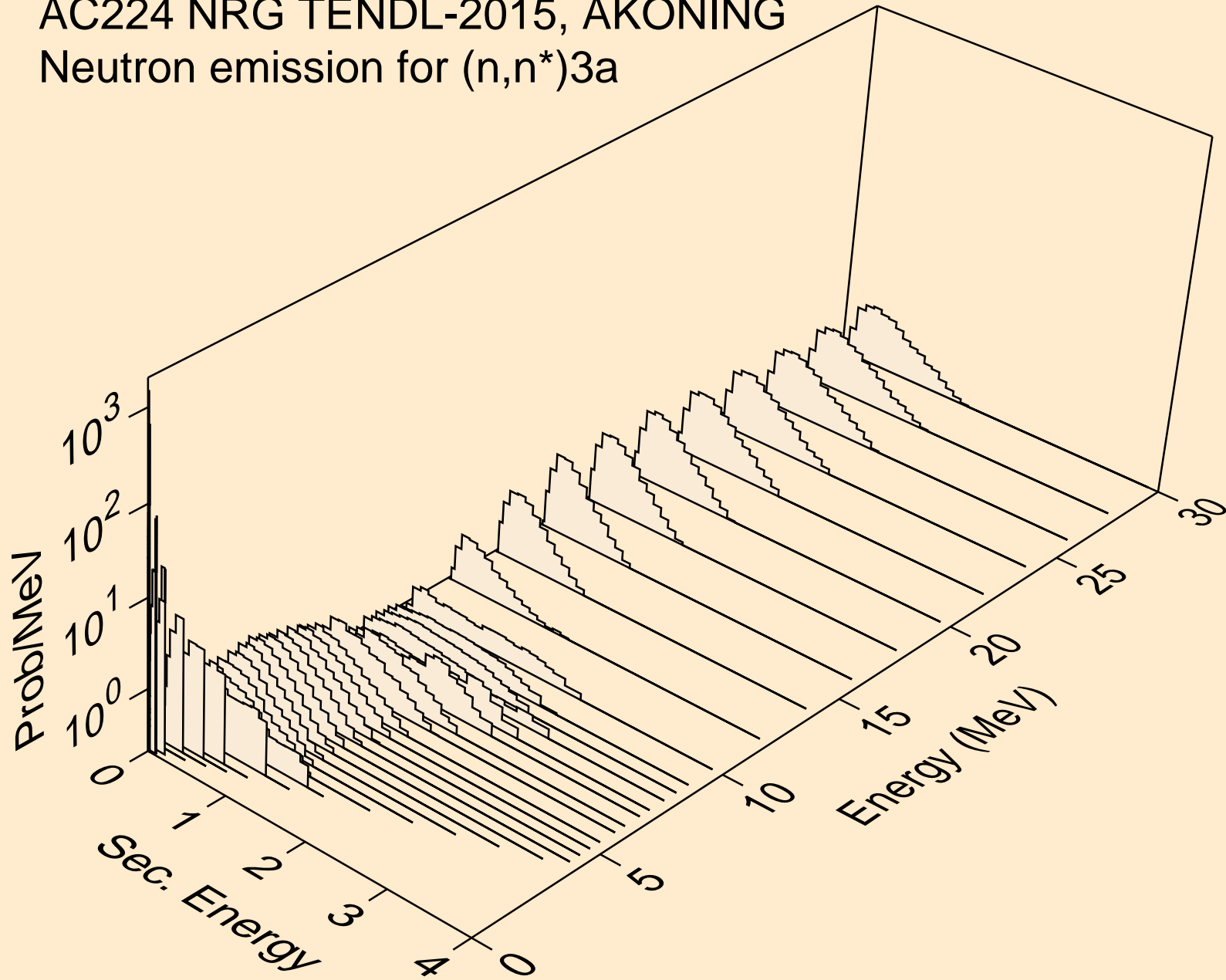
AC224 NRG TENDL-2015, AKONING  
Neutron emission for fission



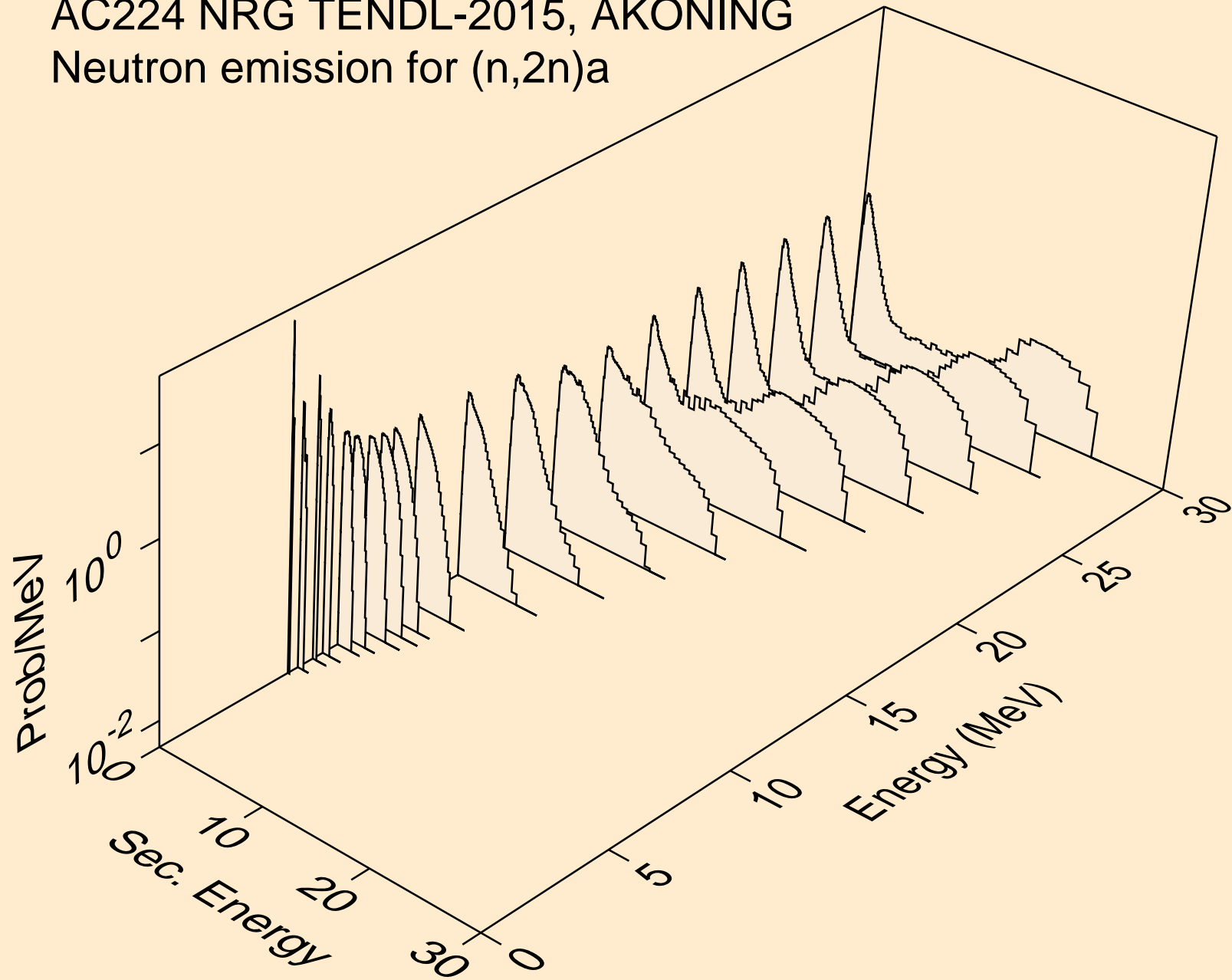
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



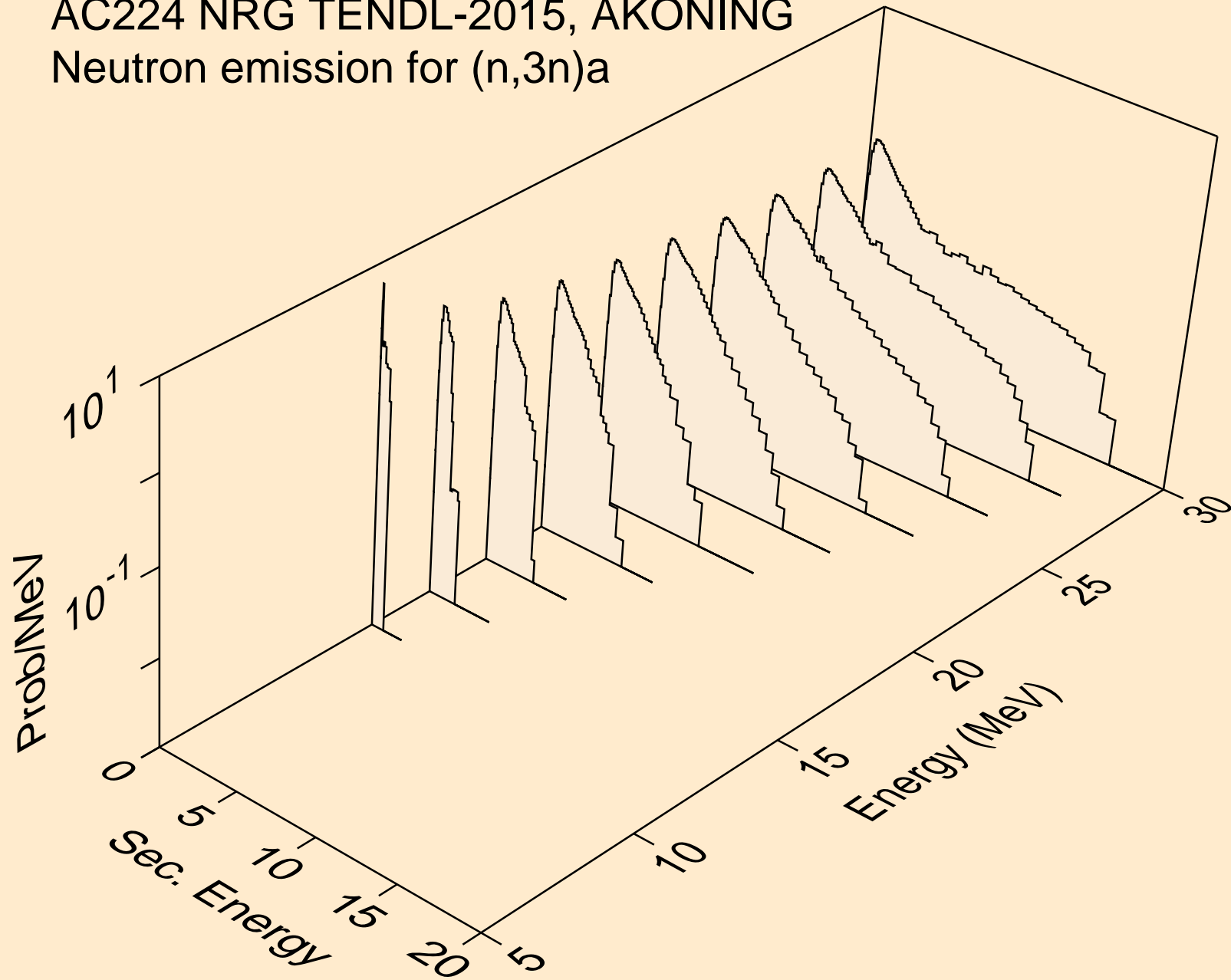
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



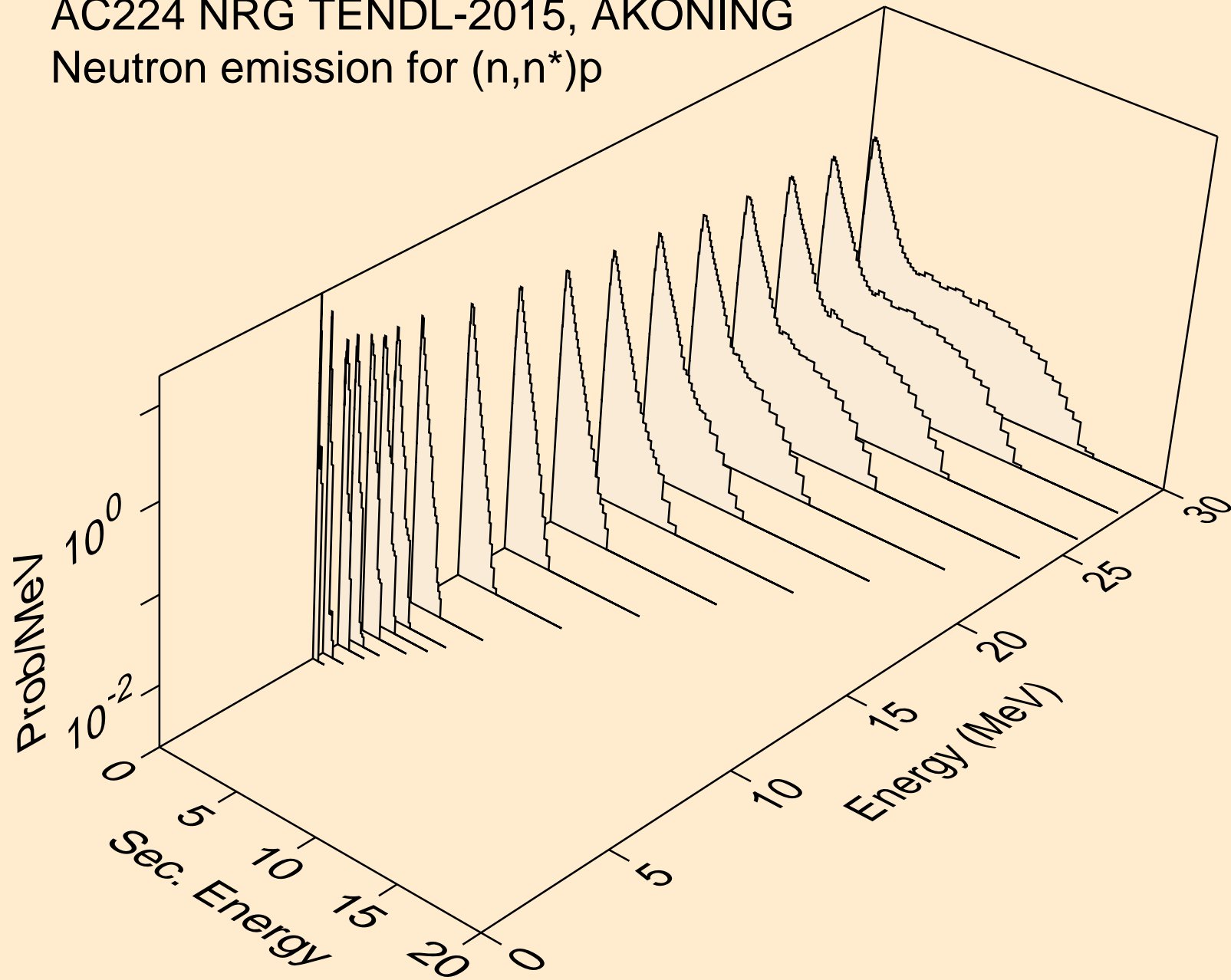
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

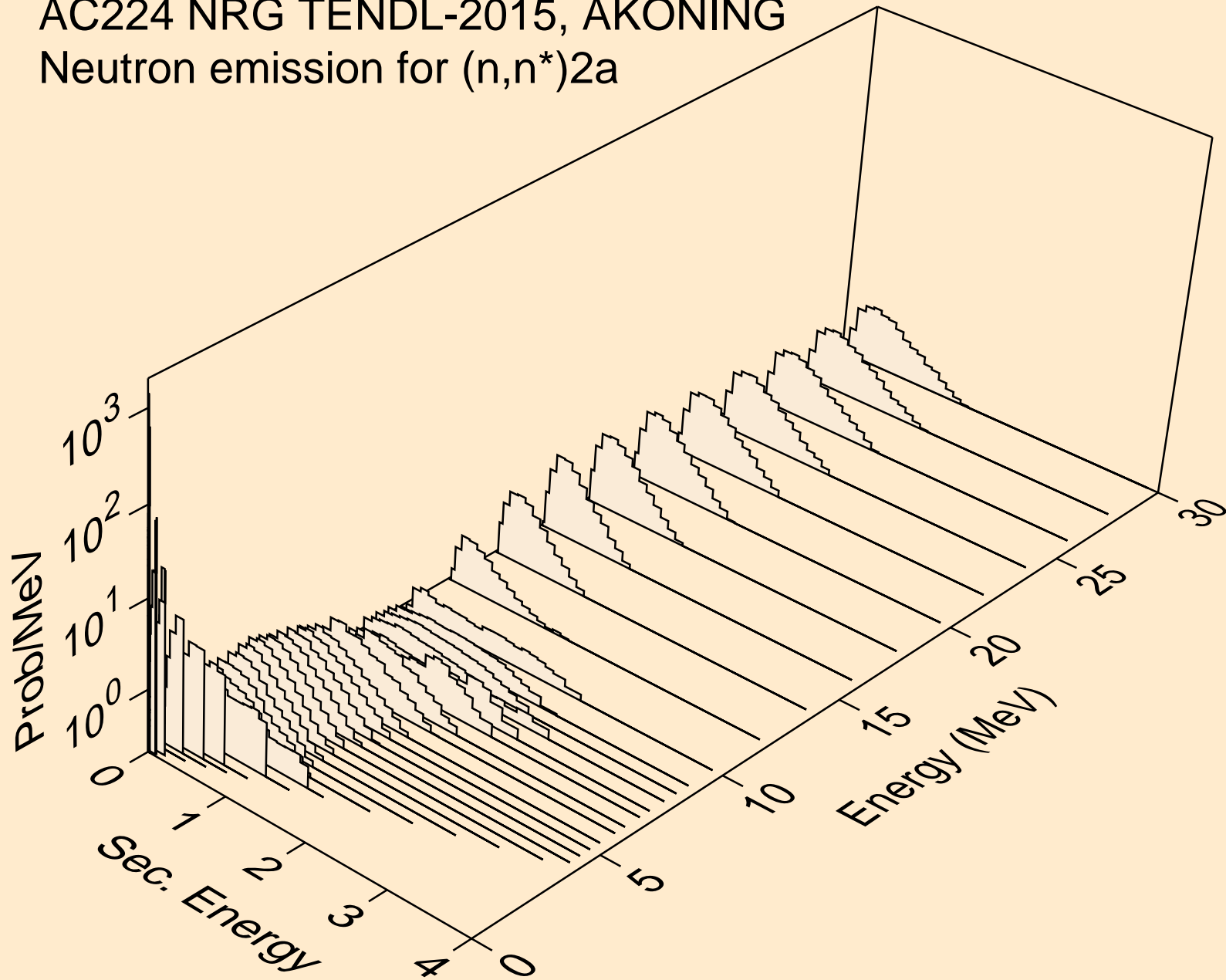


AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

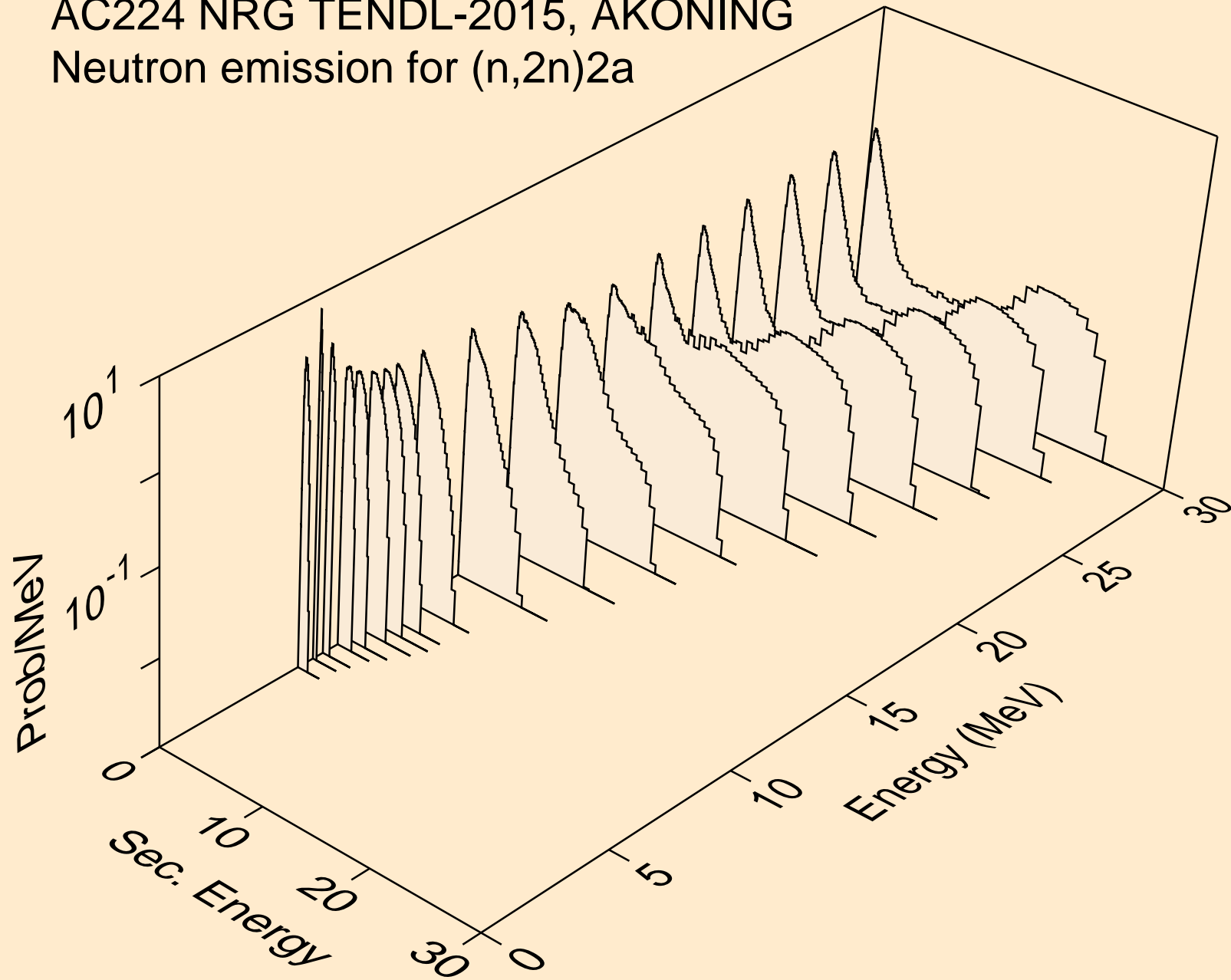




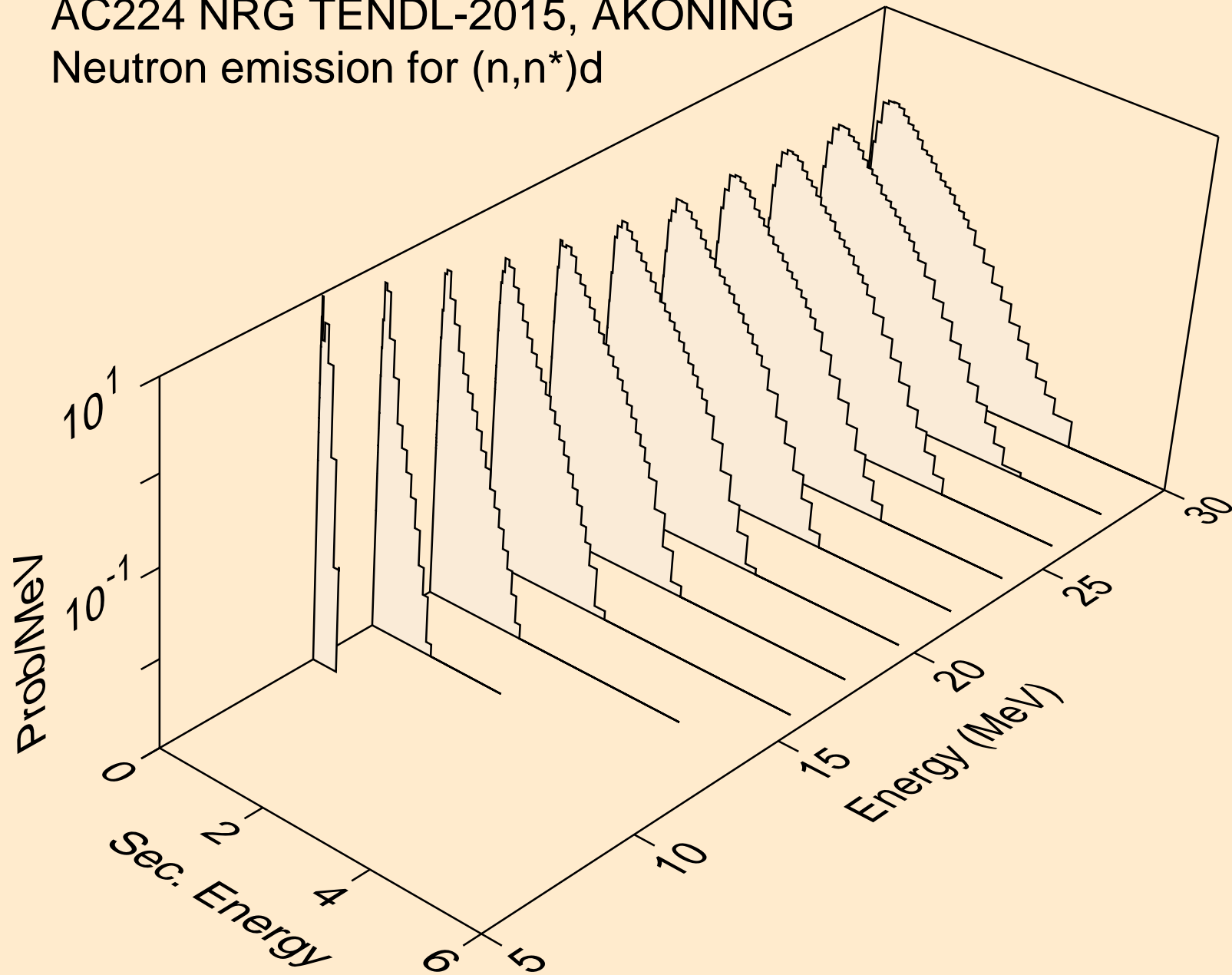
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



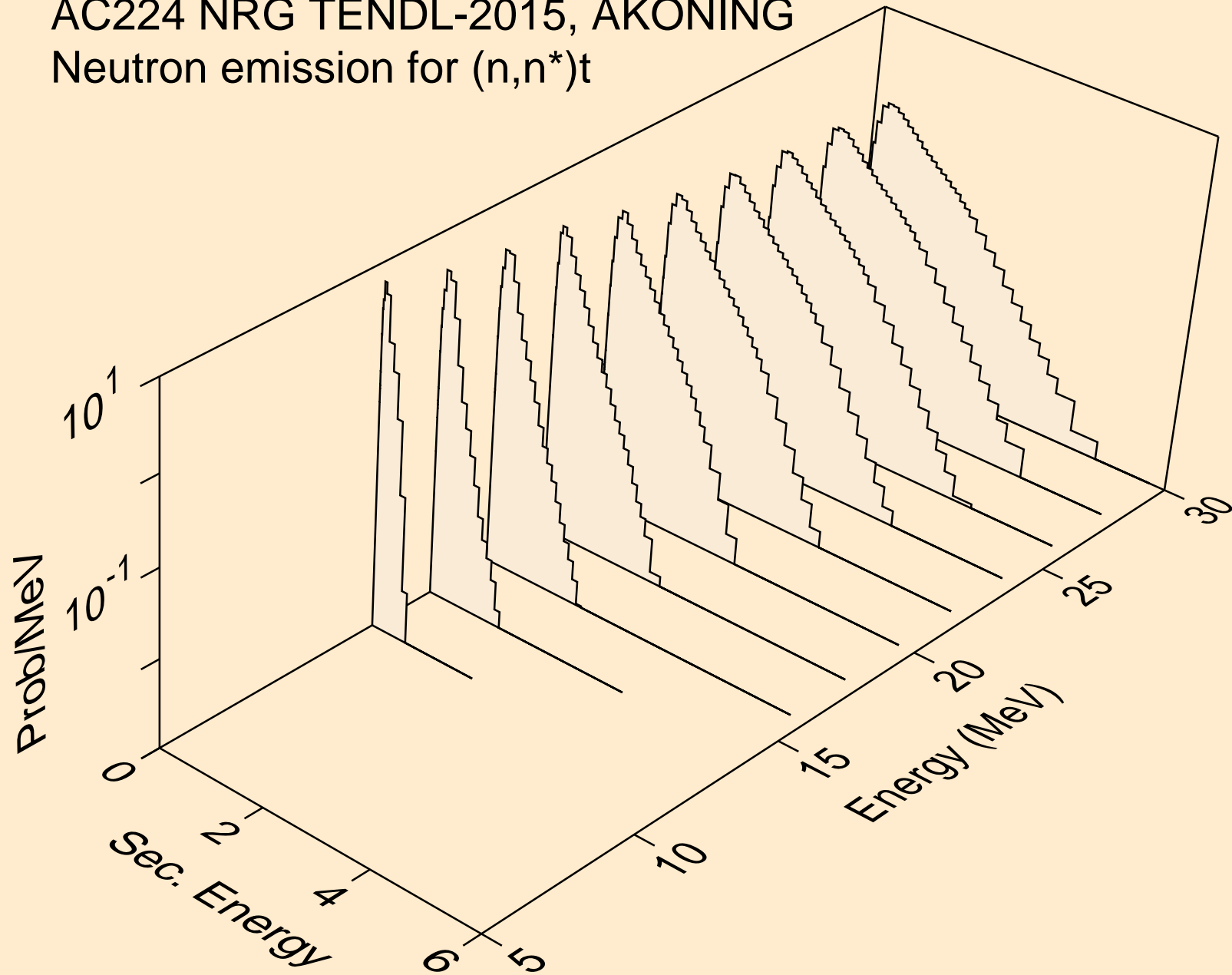
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



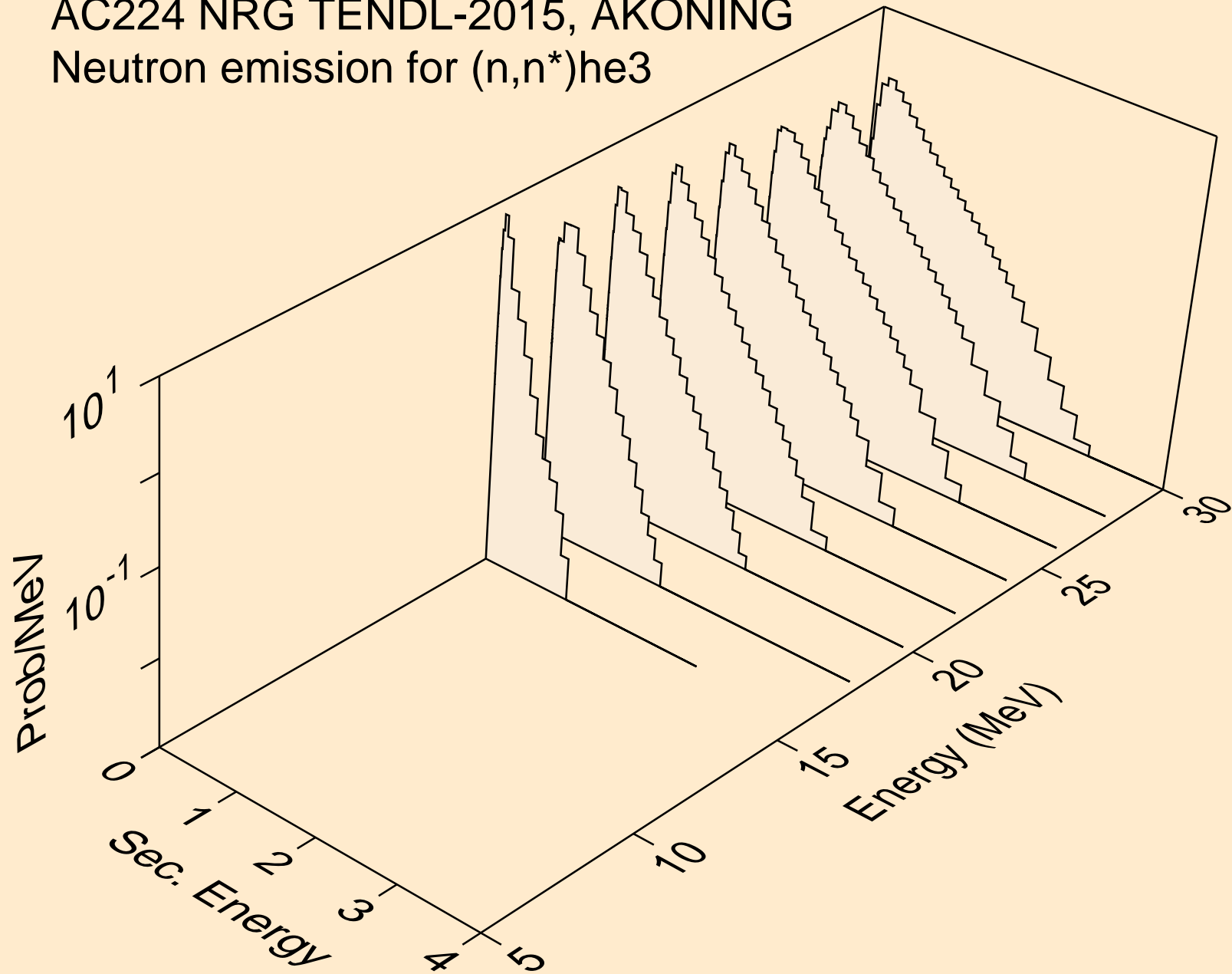
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



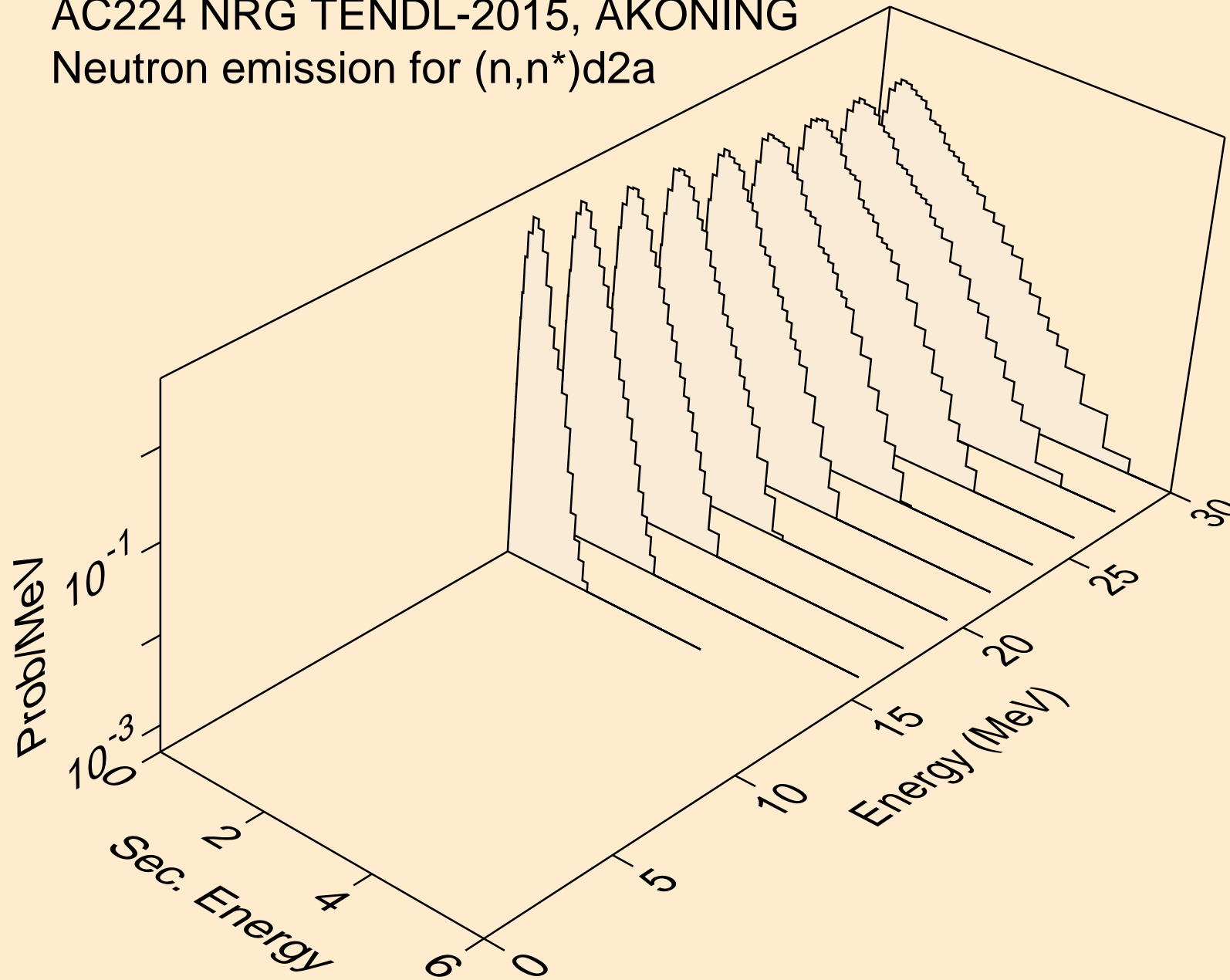
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



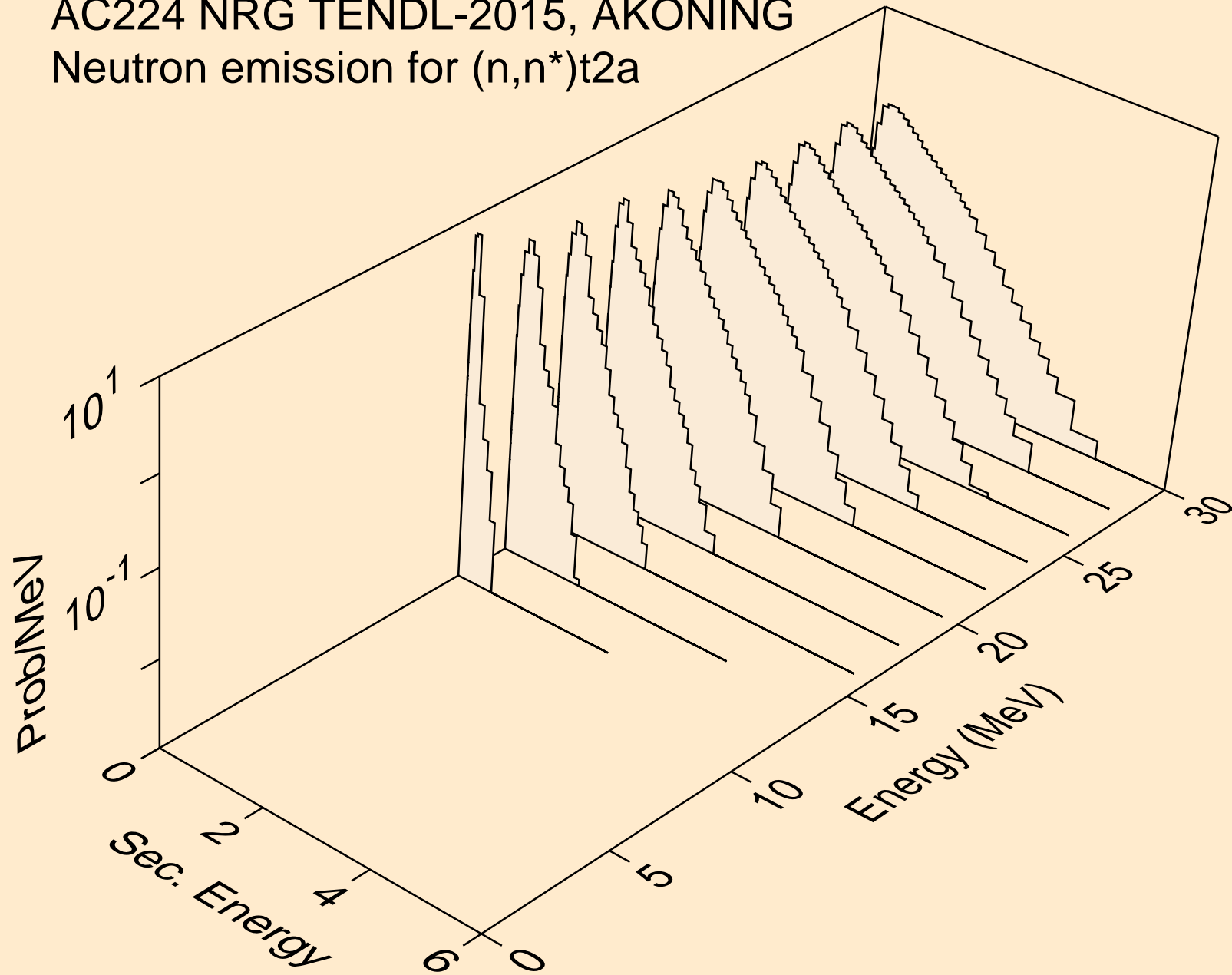
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



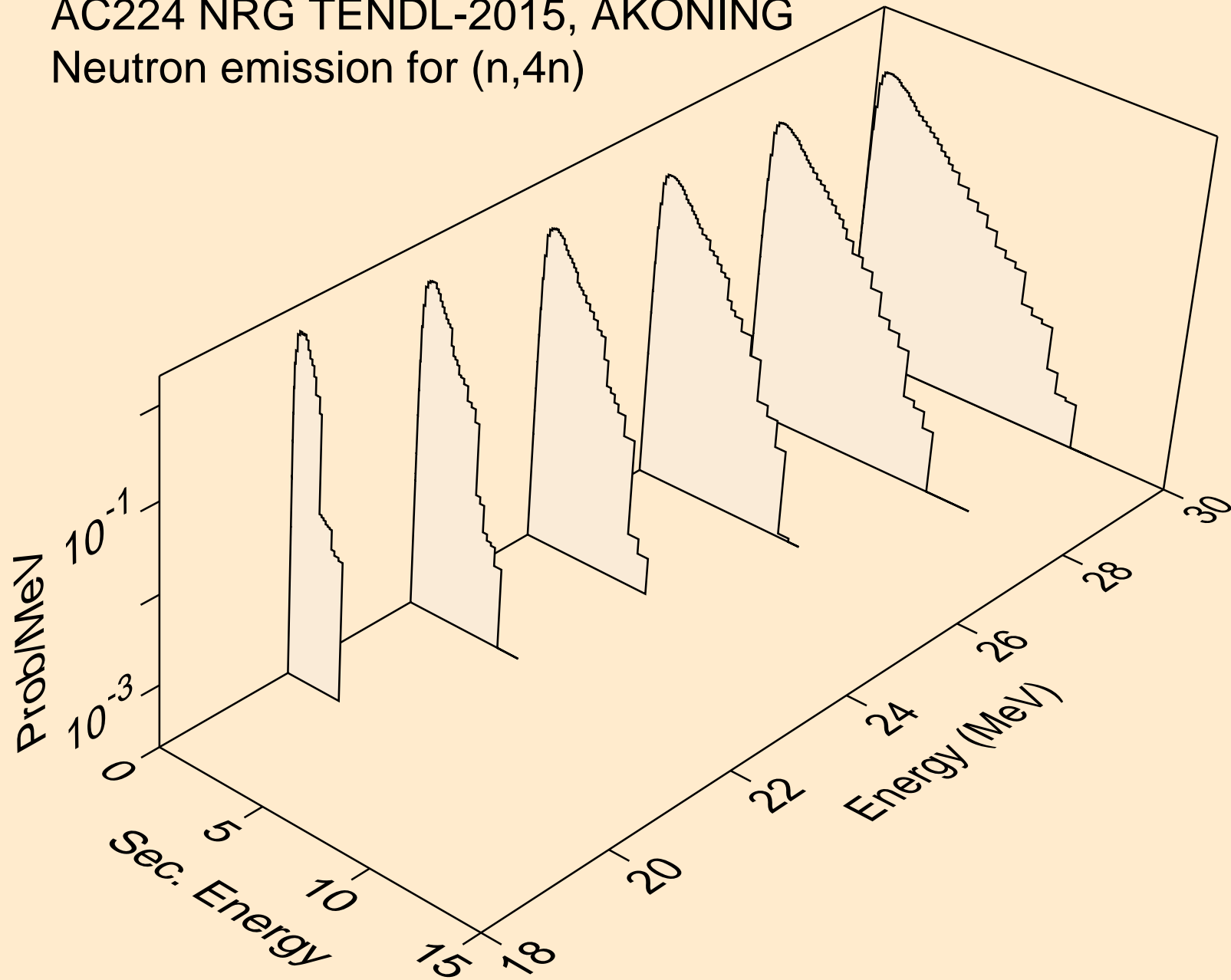
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a

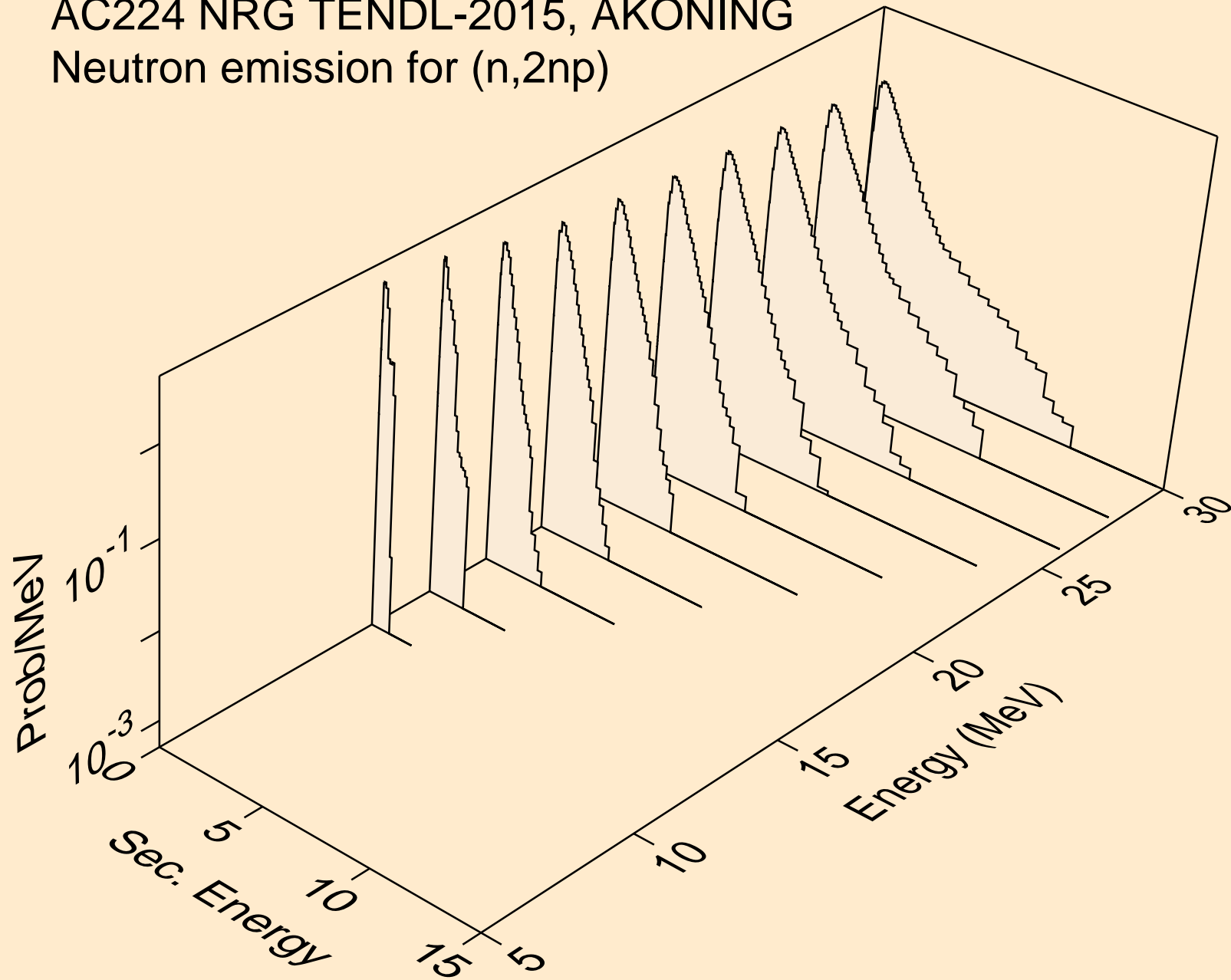


AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)

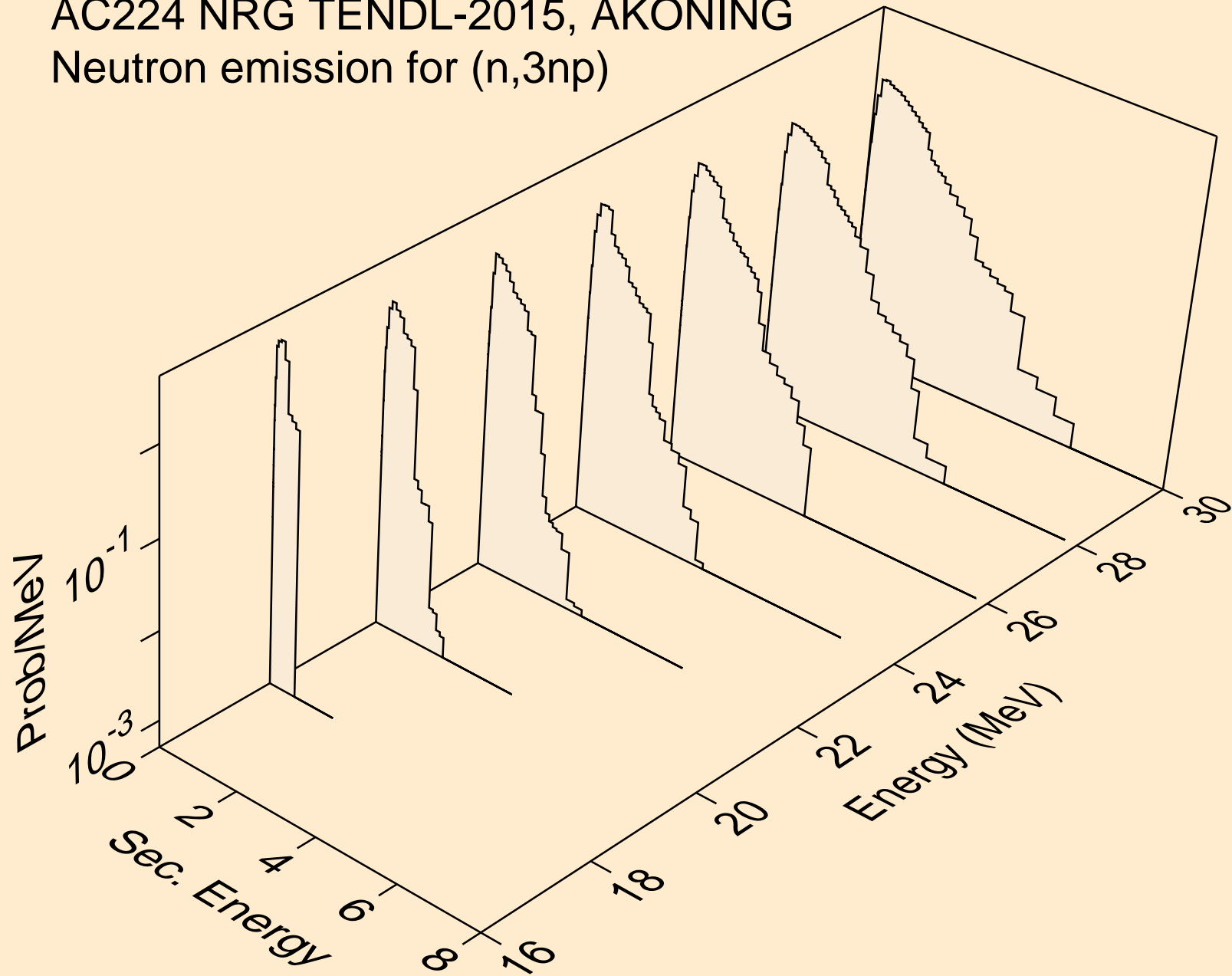




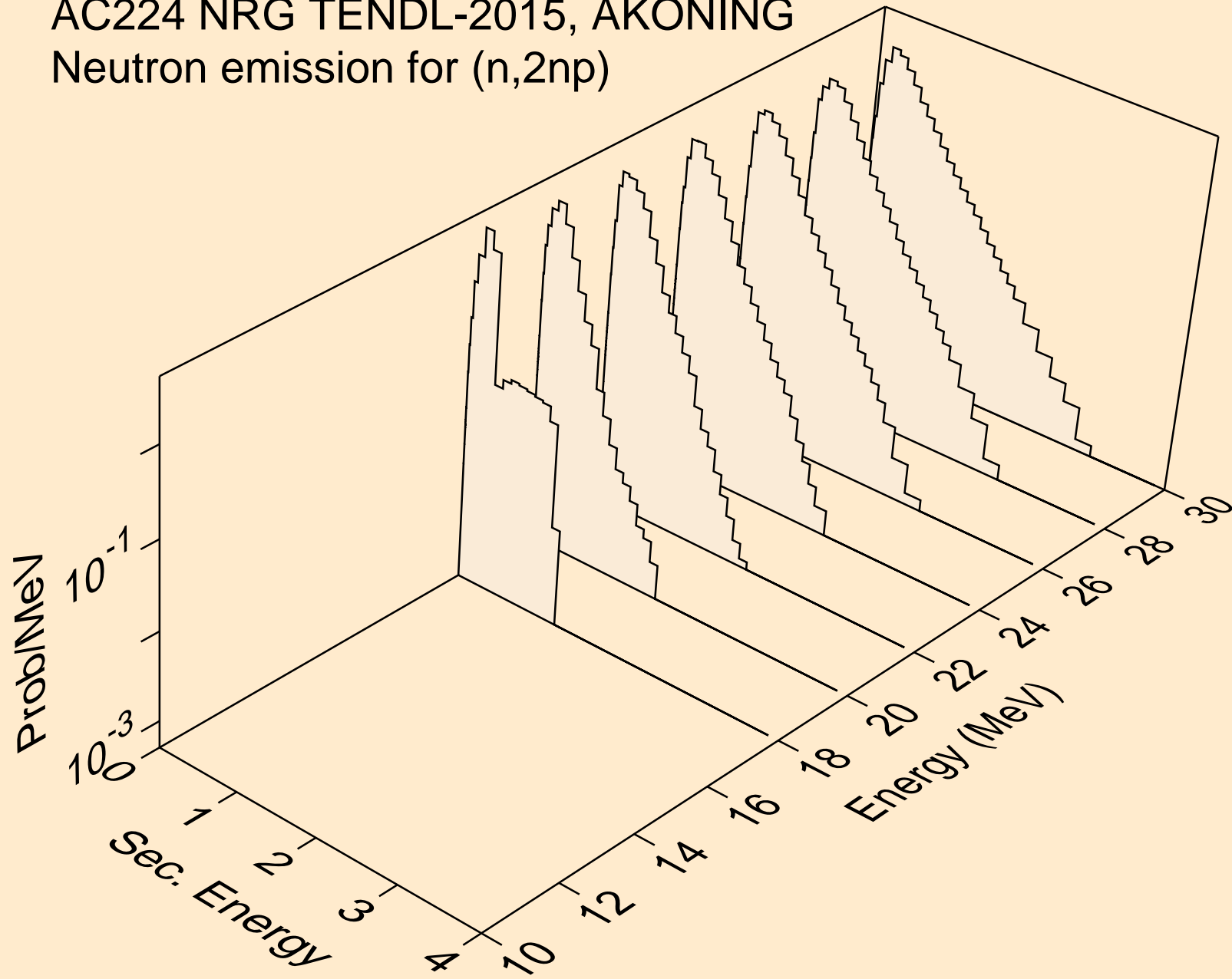
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



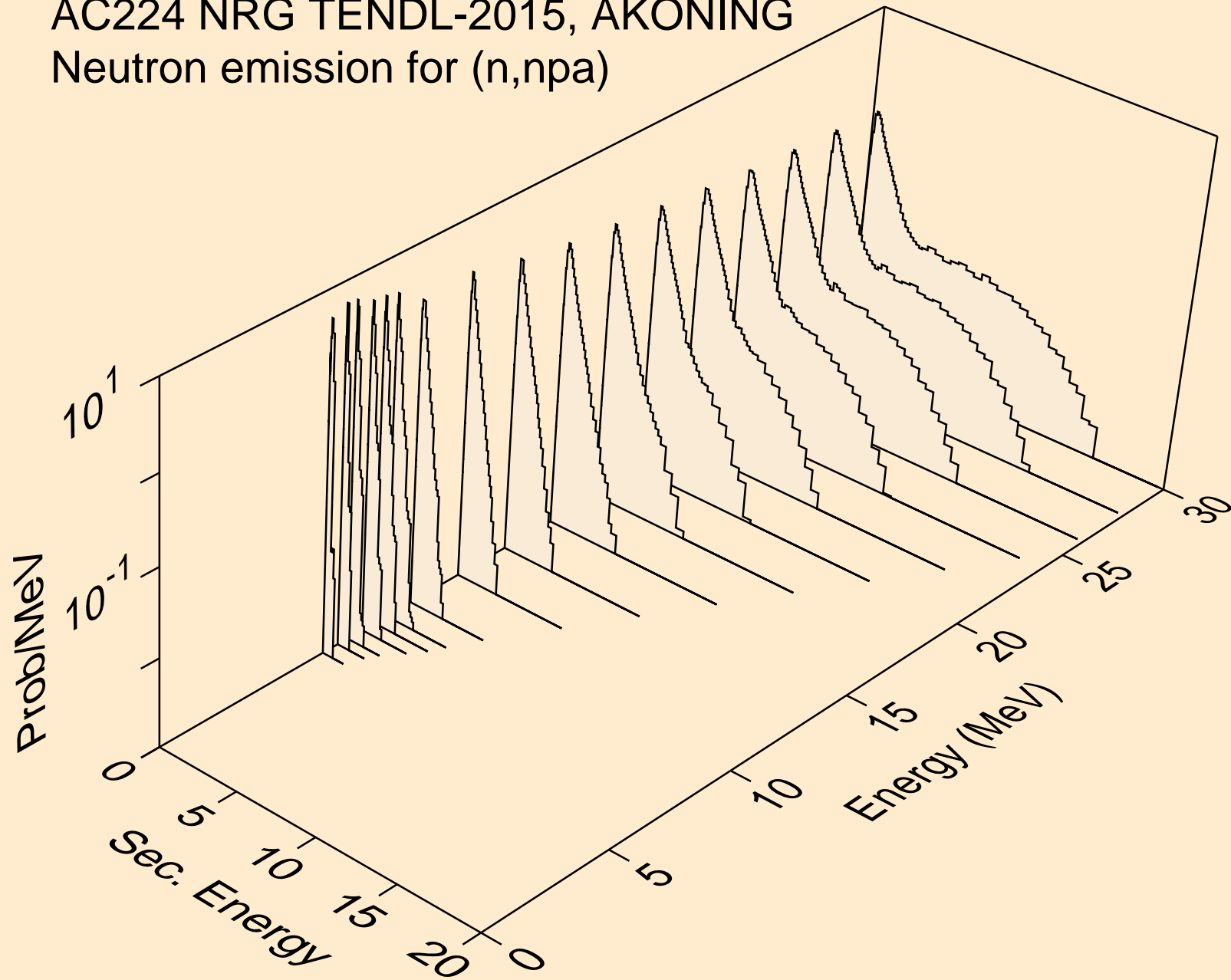
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



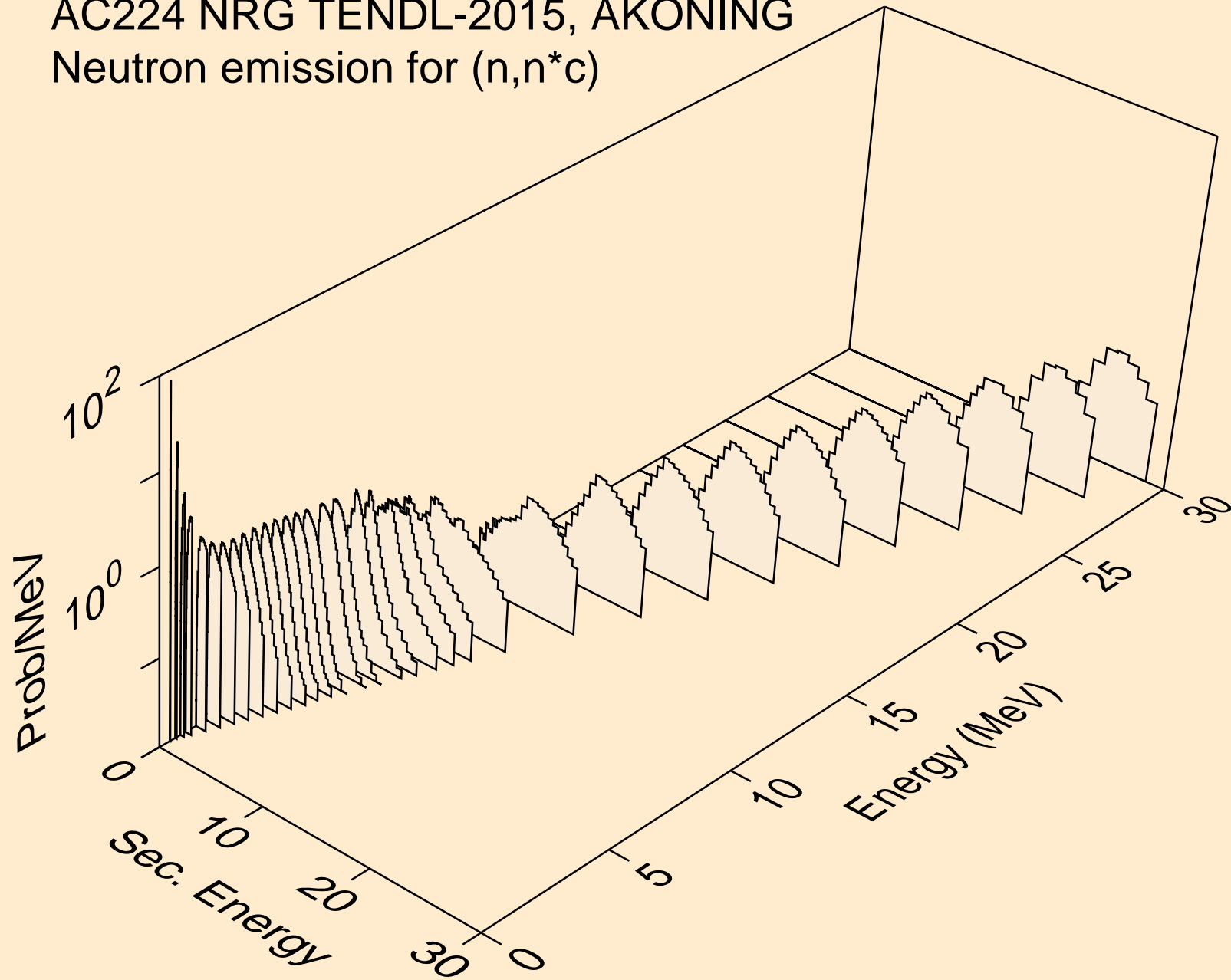
AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

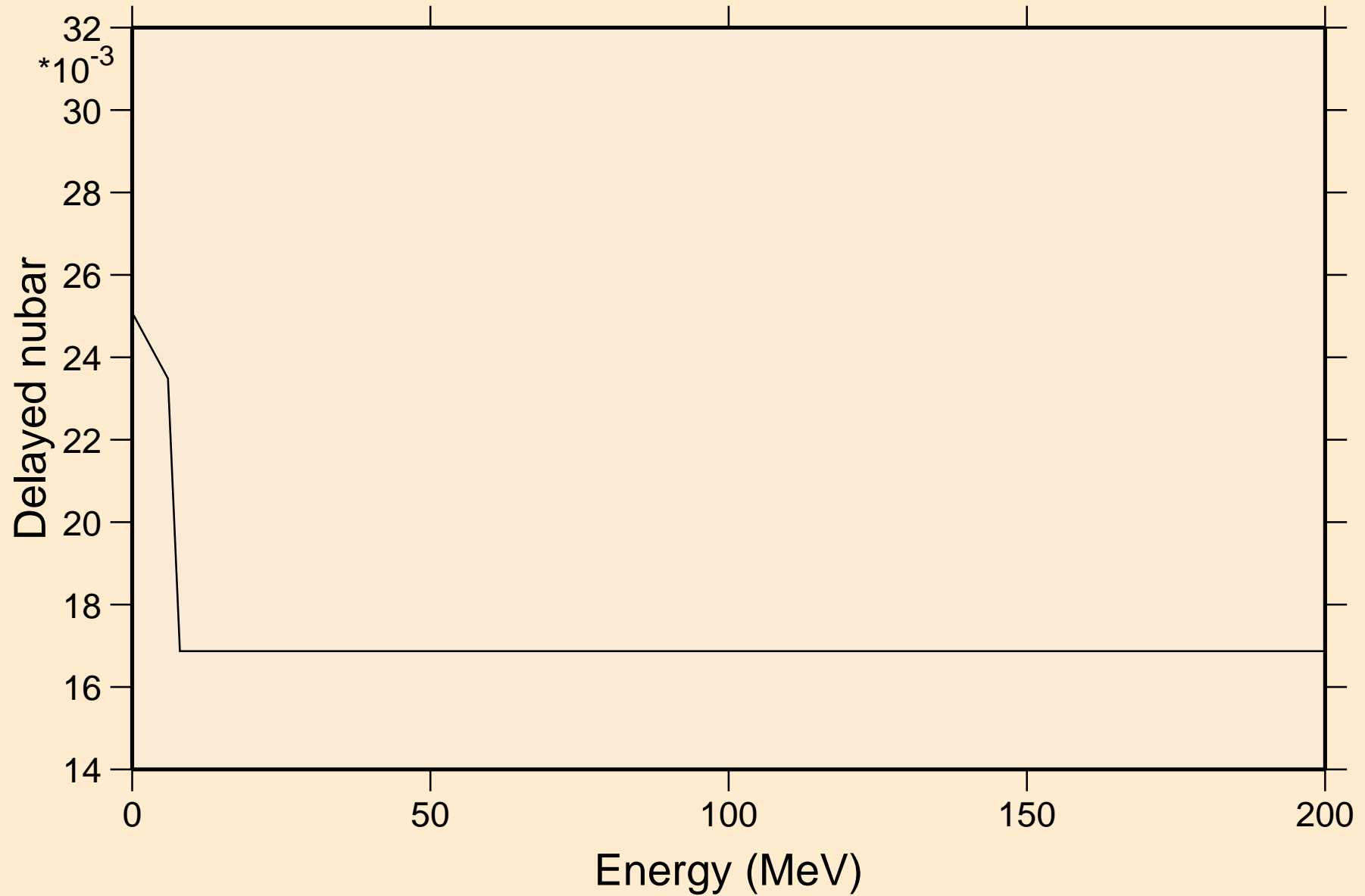


AC224 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



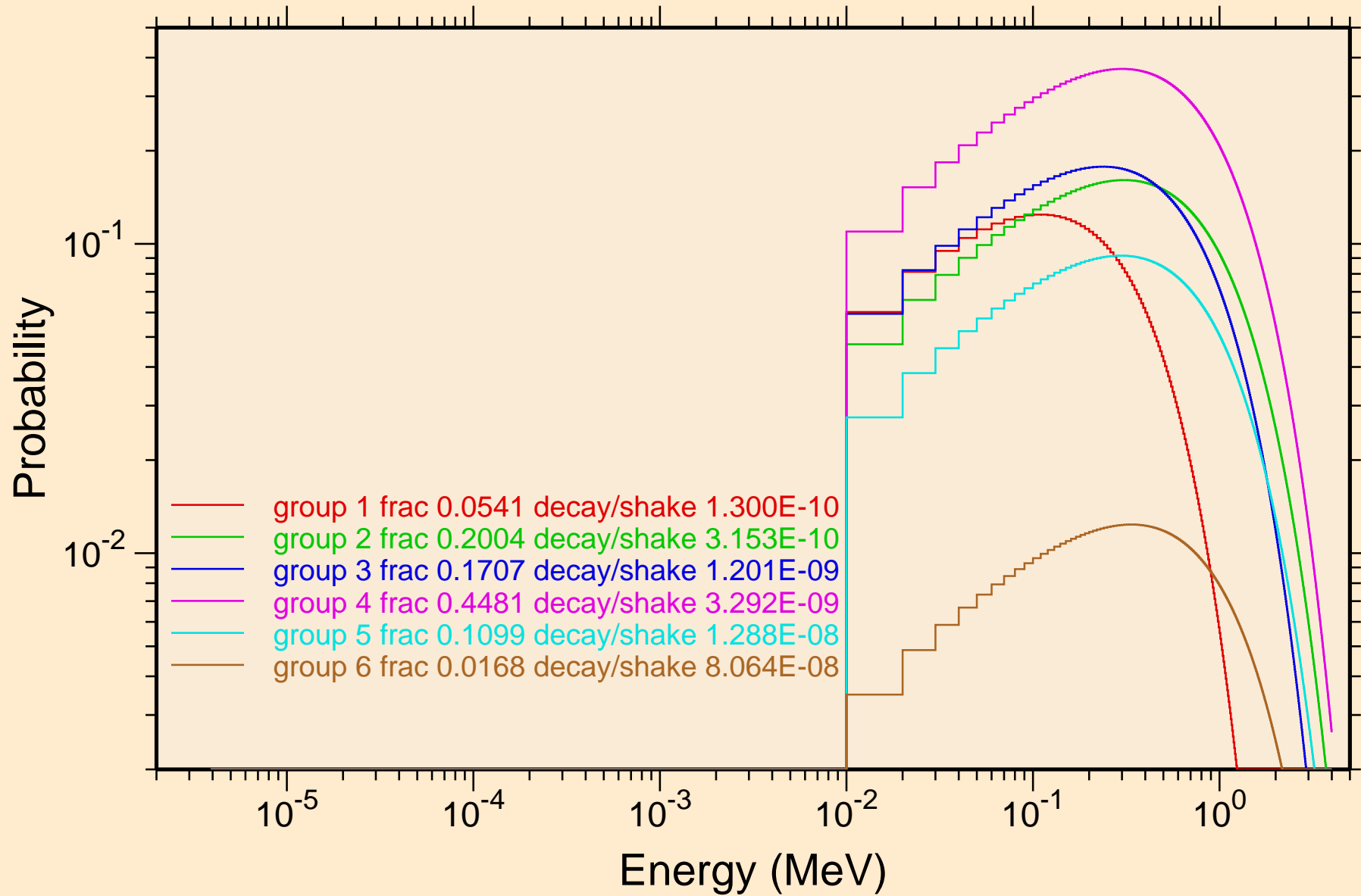
# AC224 NRG TENDL-2015, AKONING

Delayed nubar

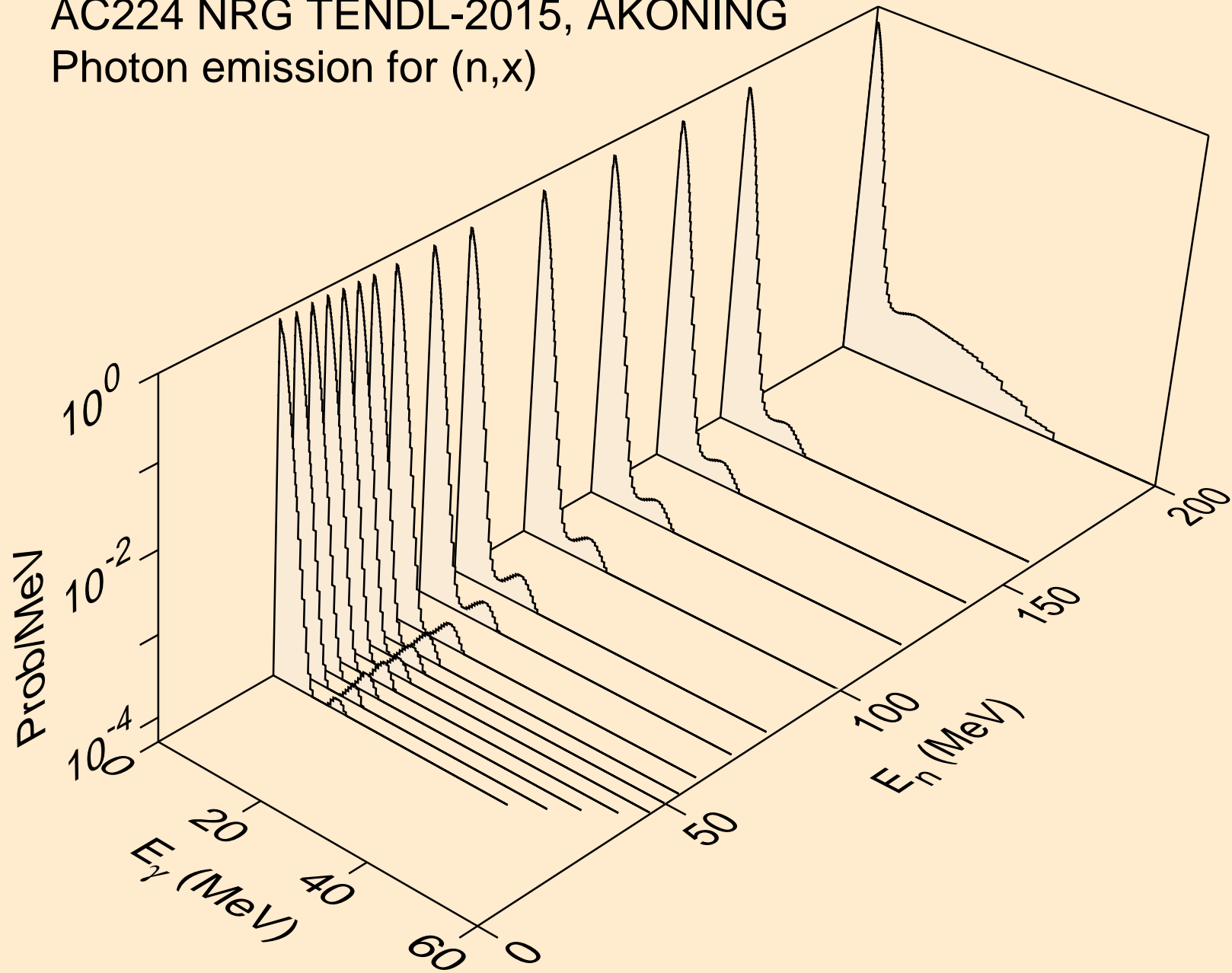


# AC224 NRG TENDL-2015, AKONING

## Delayed neutron spectra

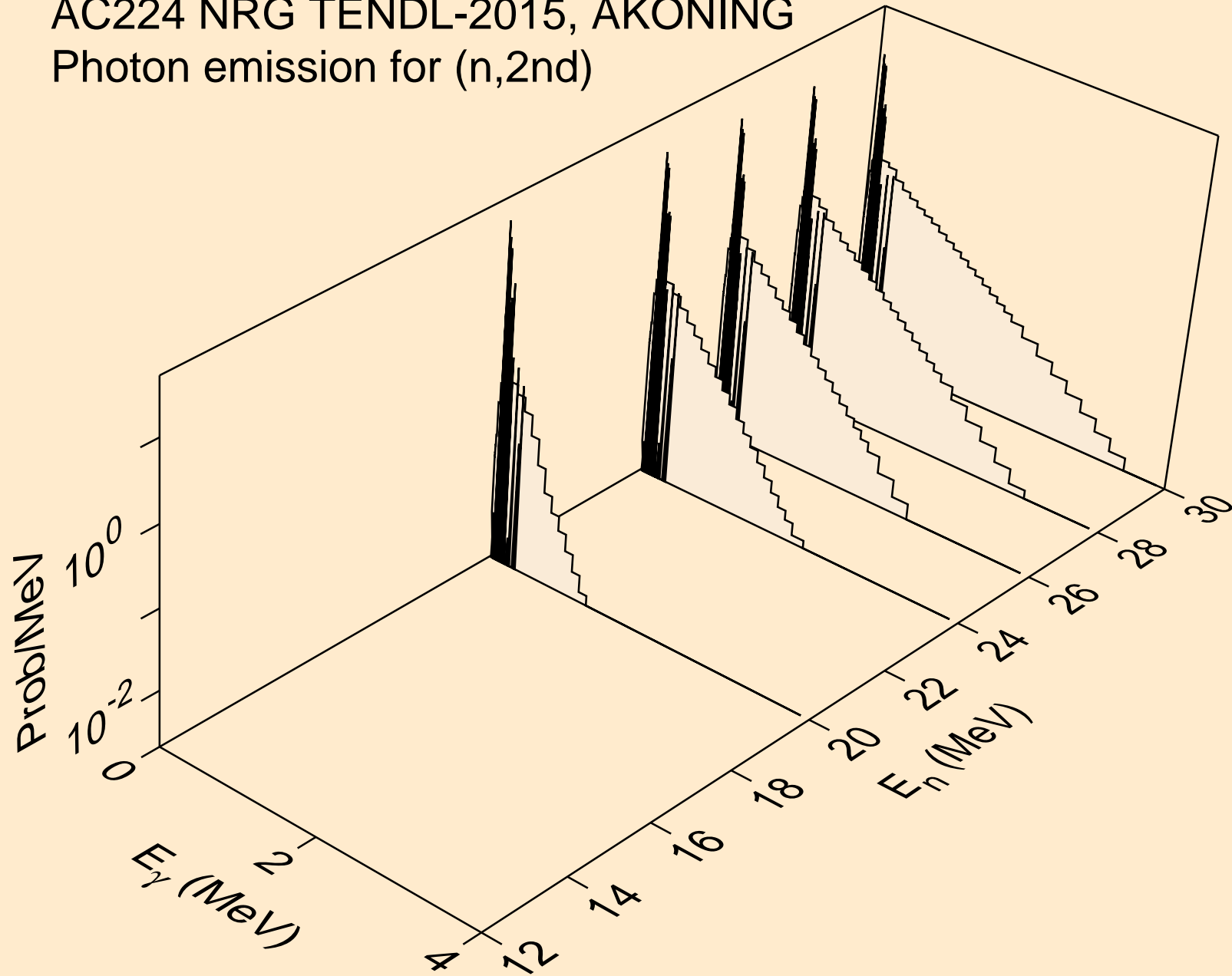


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,x)

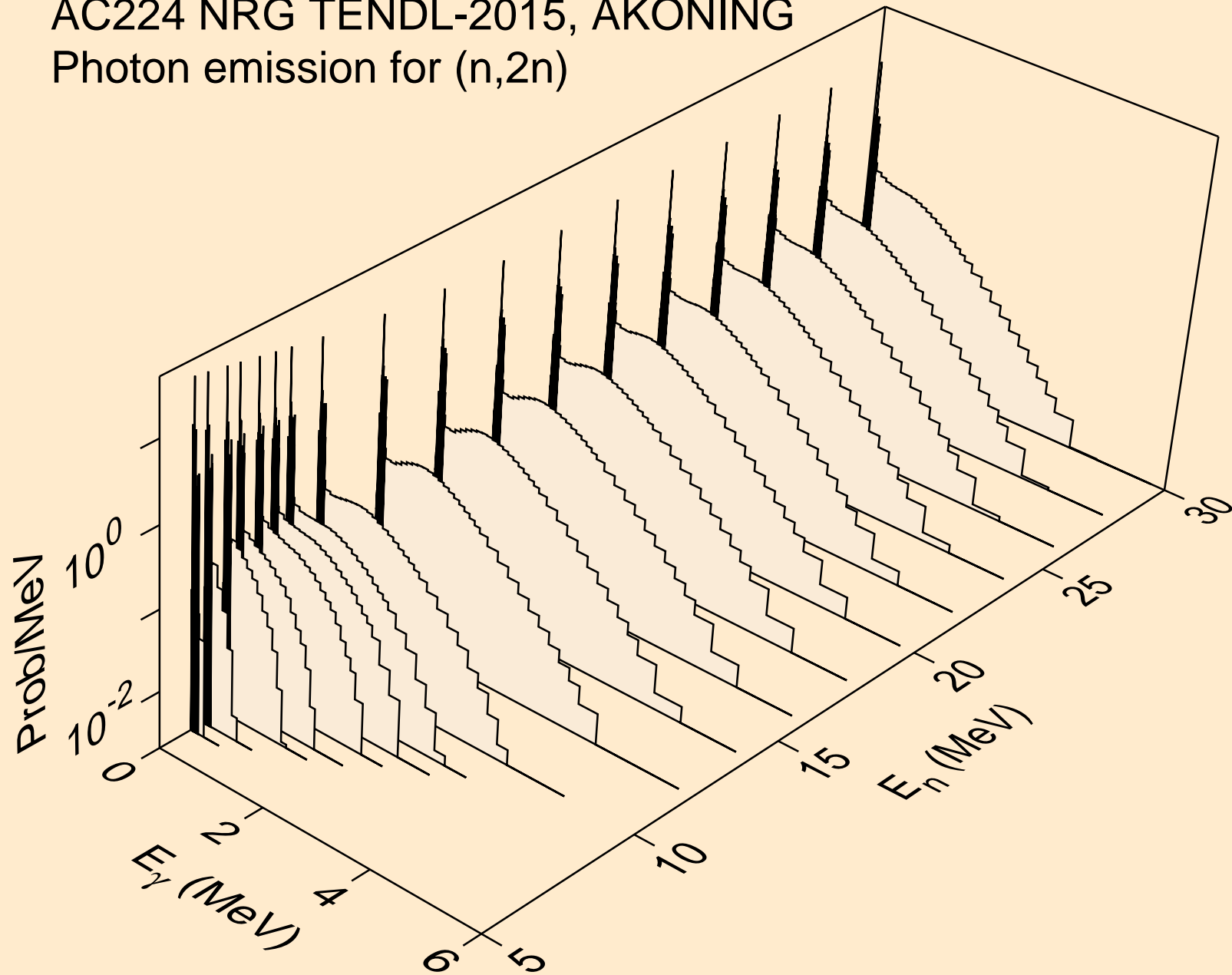




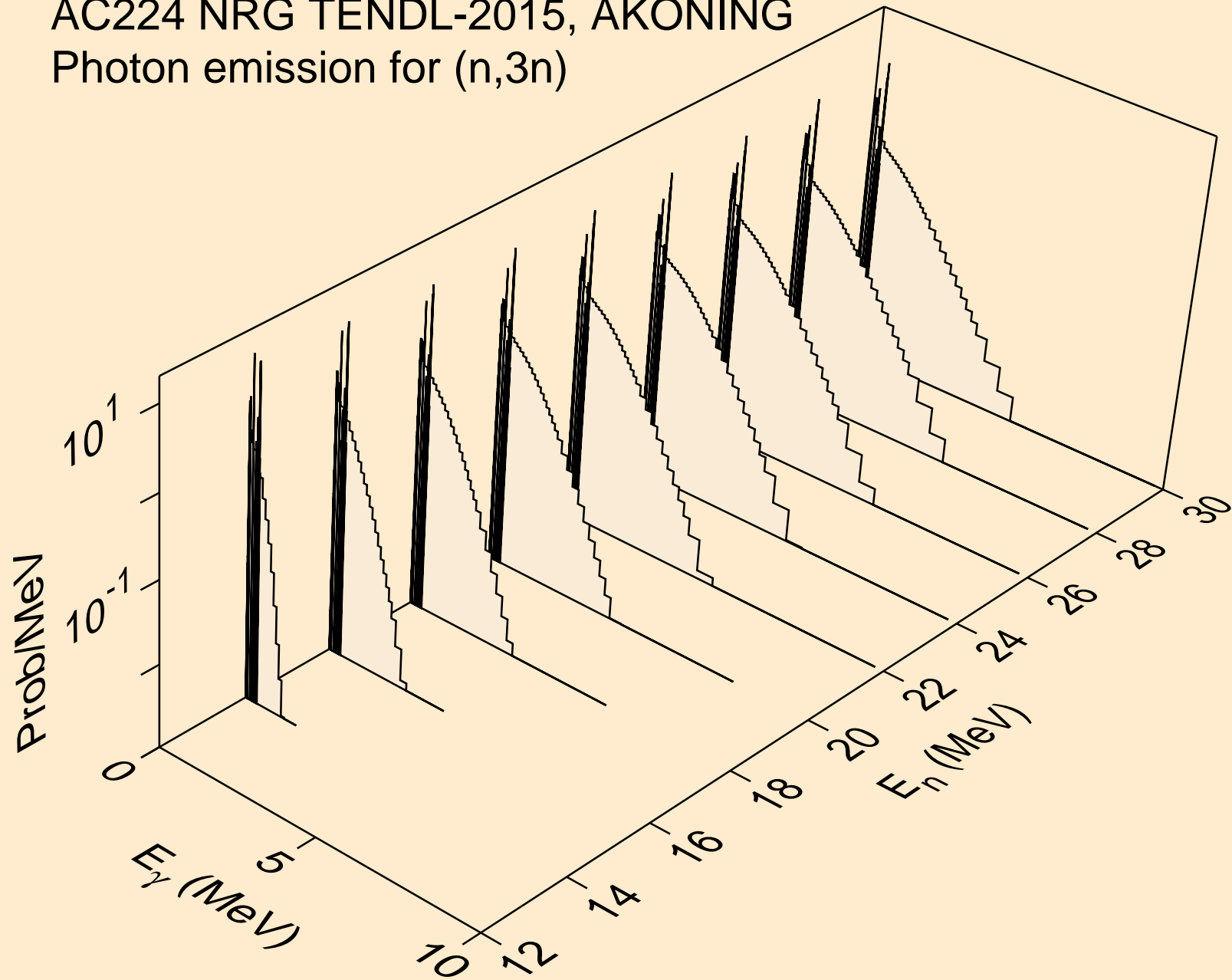
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

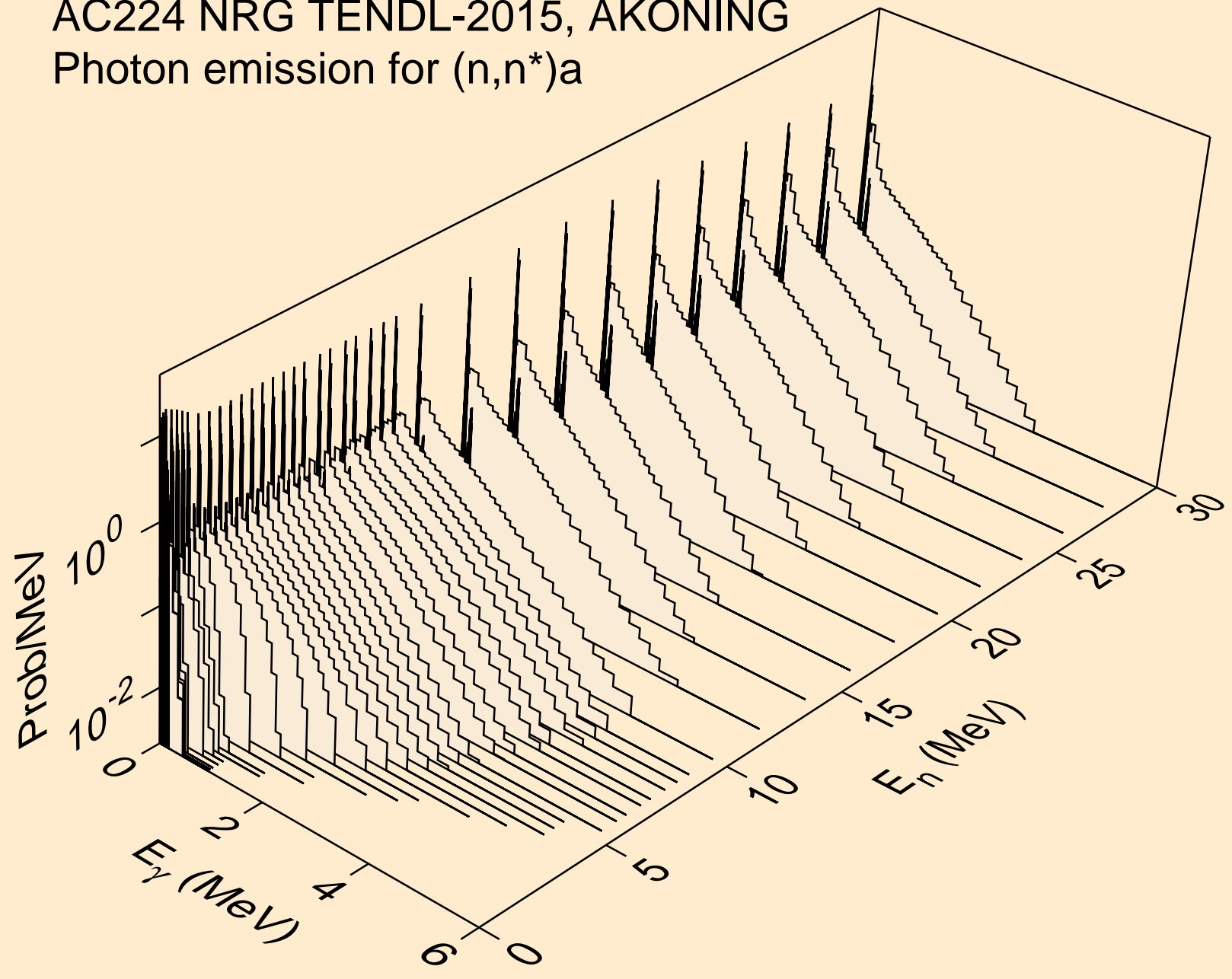


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

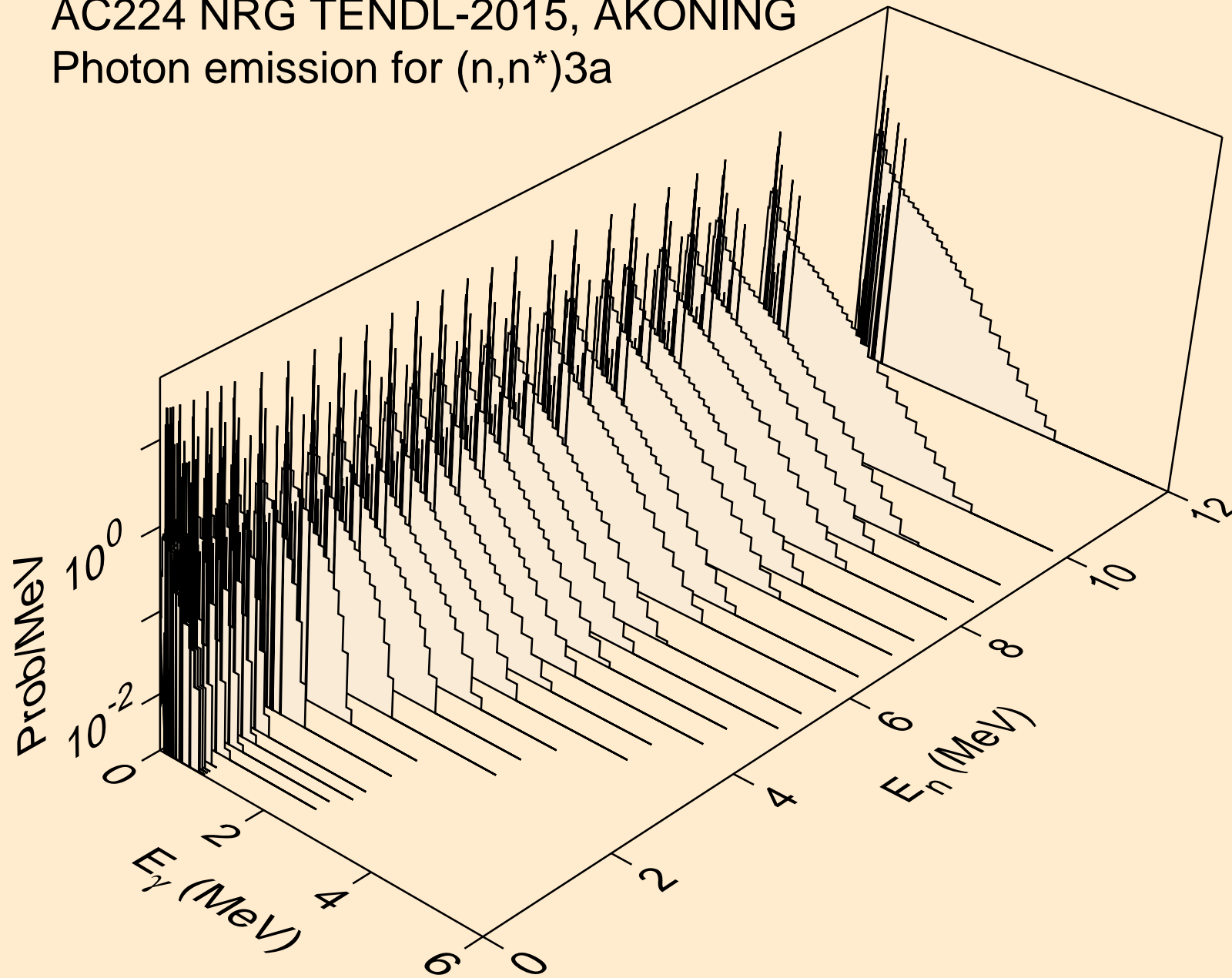


AC224 NRG TENDL-2015, AKONING

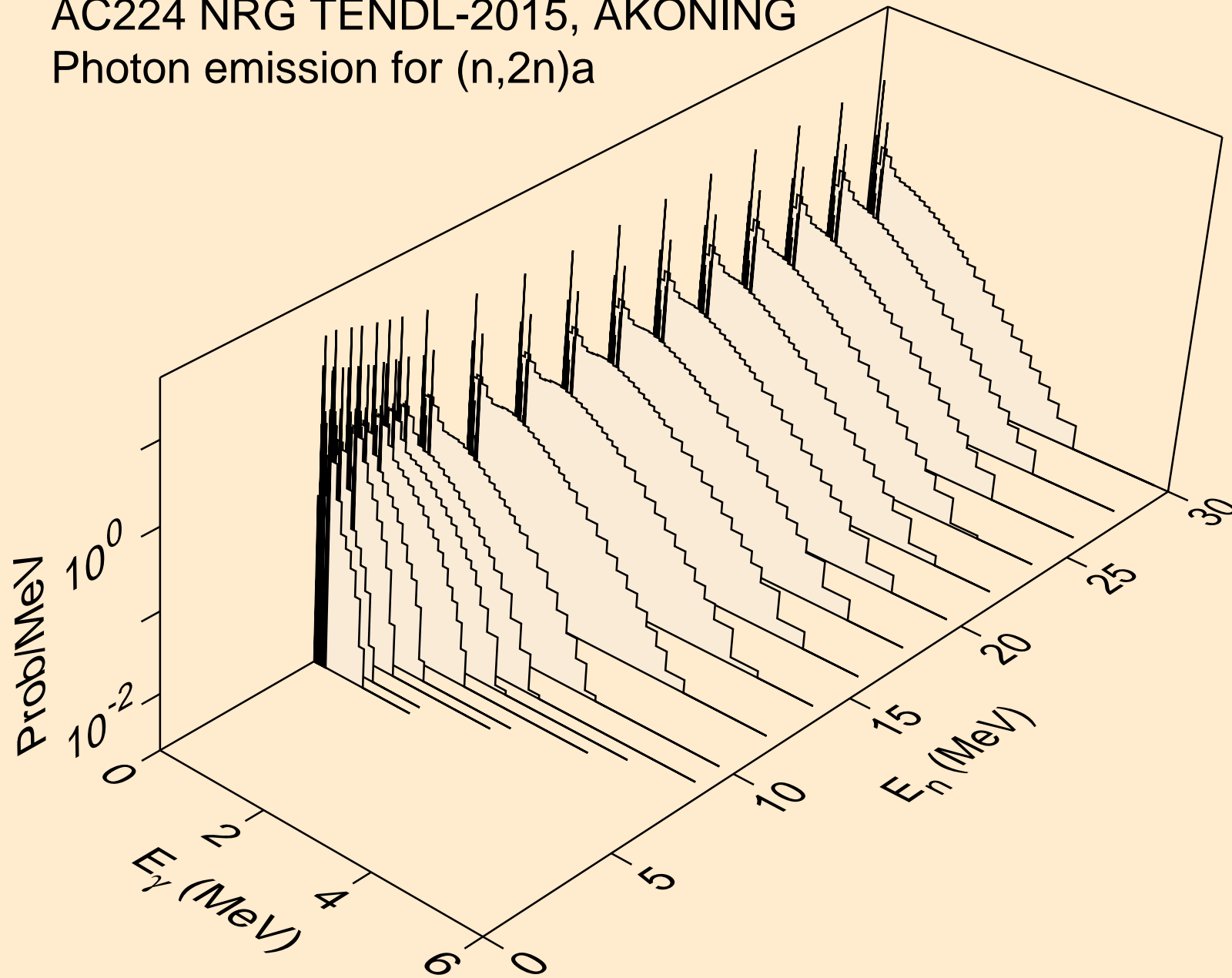
Photon emission for (n,n\*)a



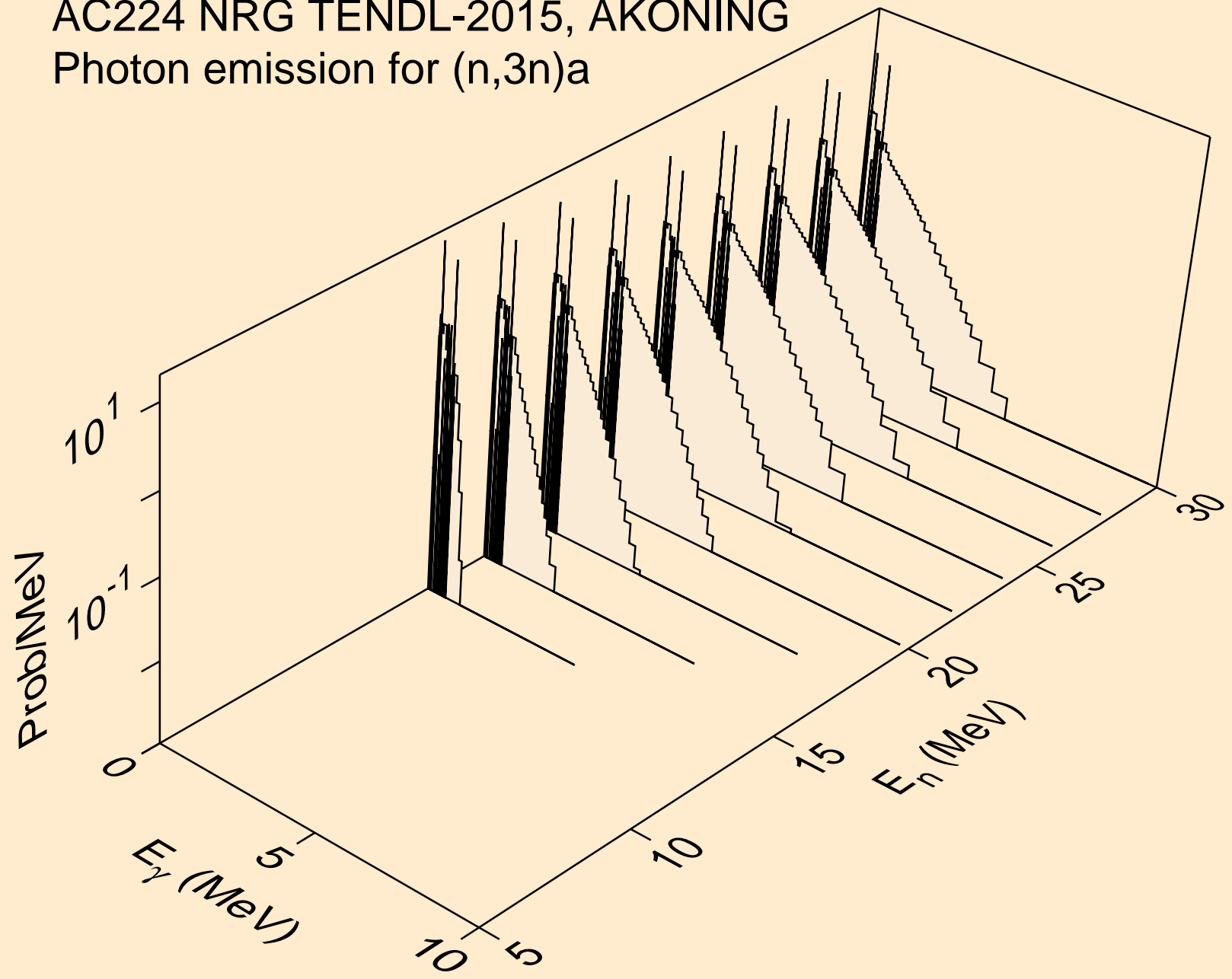
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

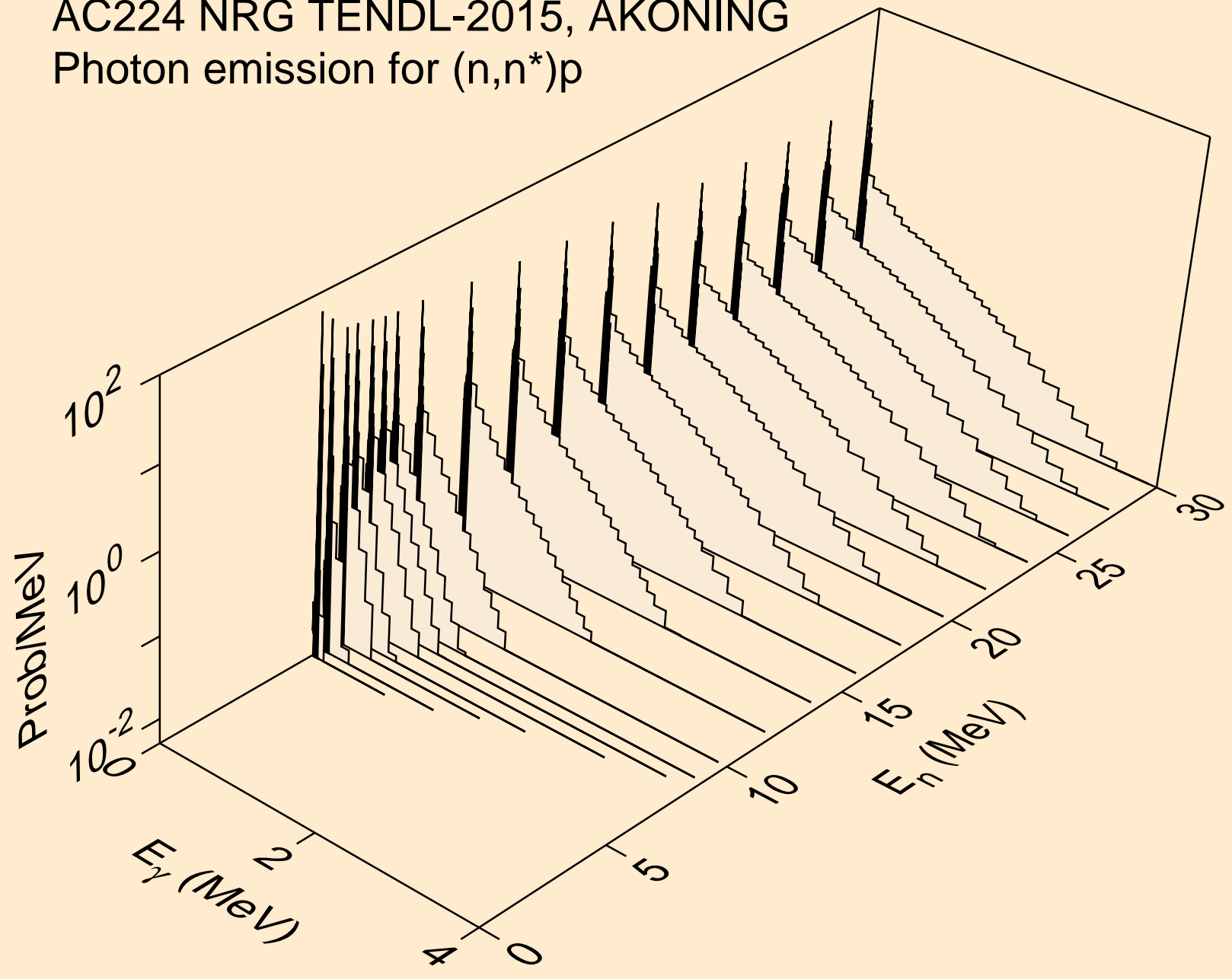


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



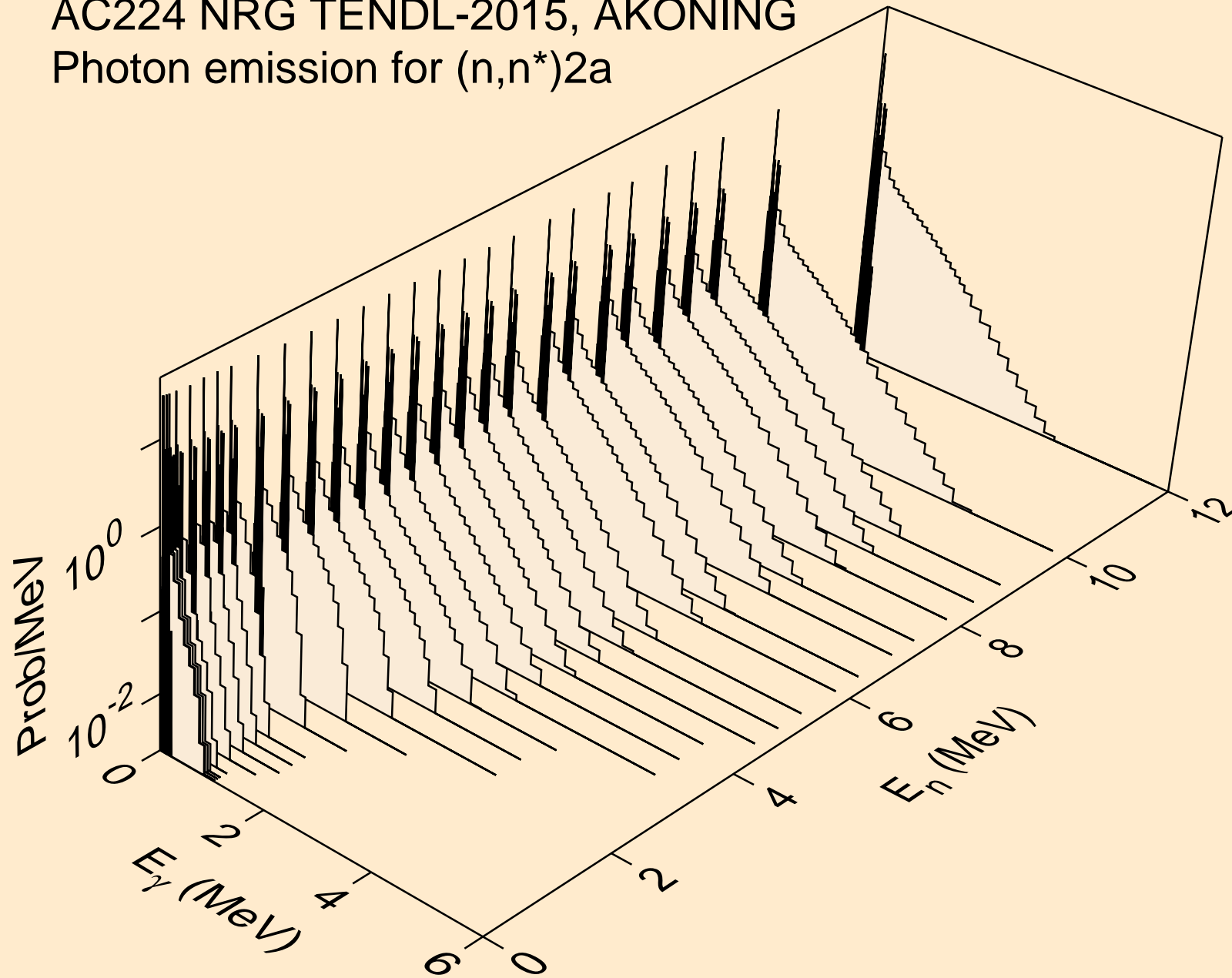
# AC224 NRG TENDL-2015, AKONING

Photon emission for (n,n\*)p

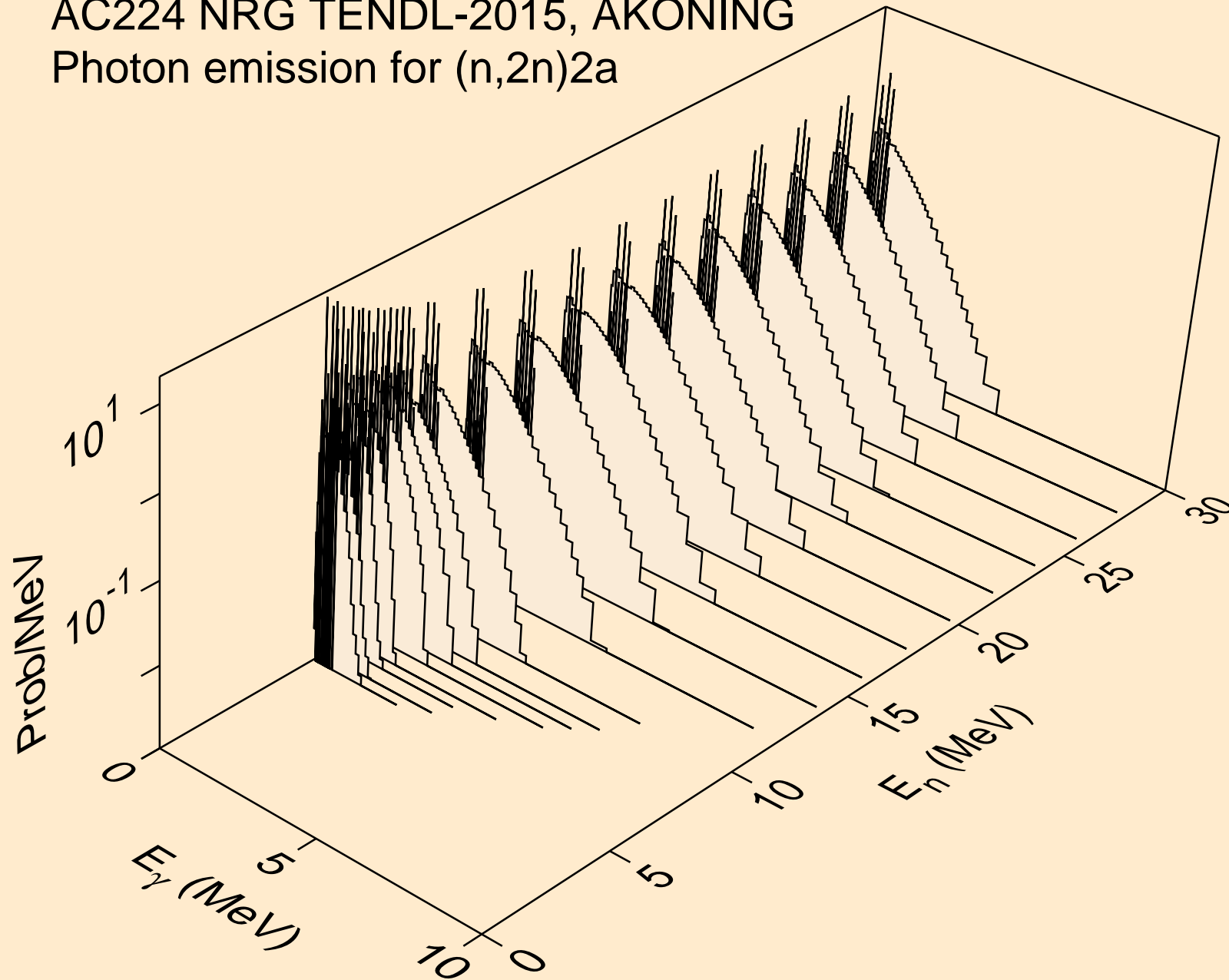




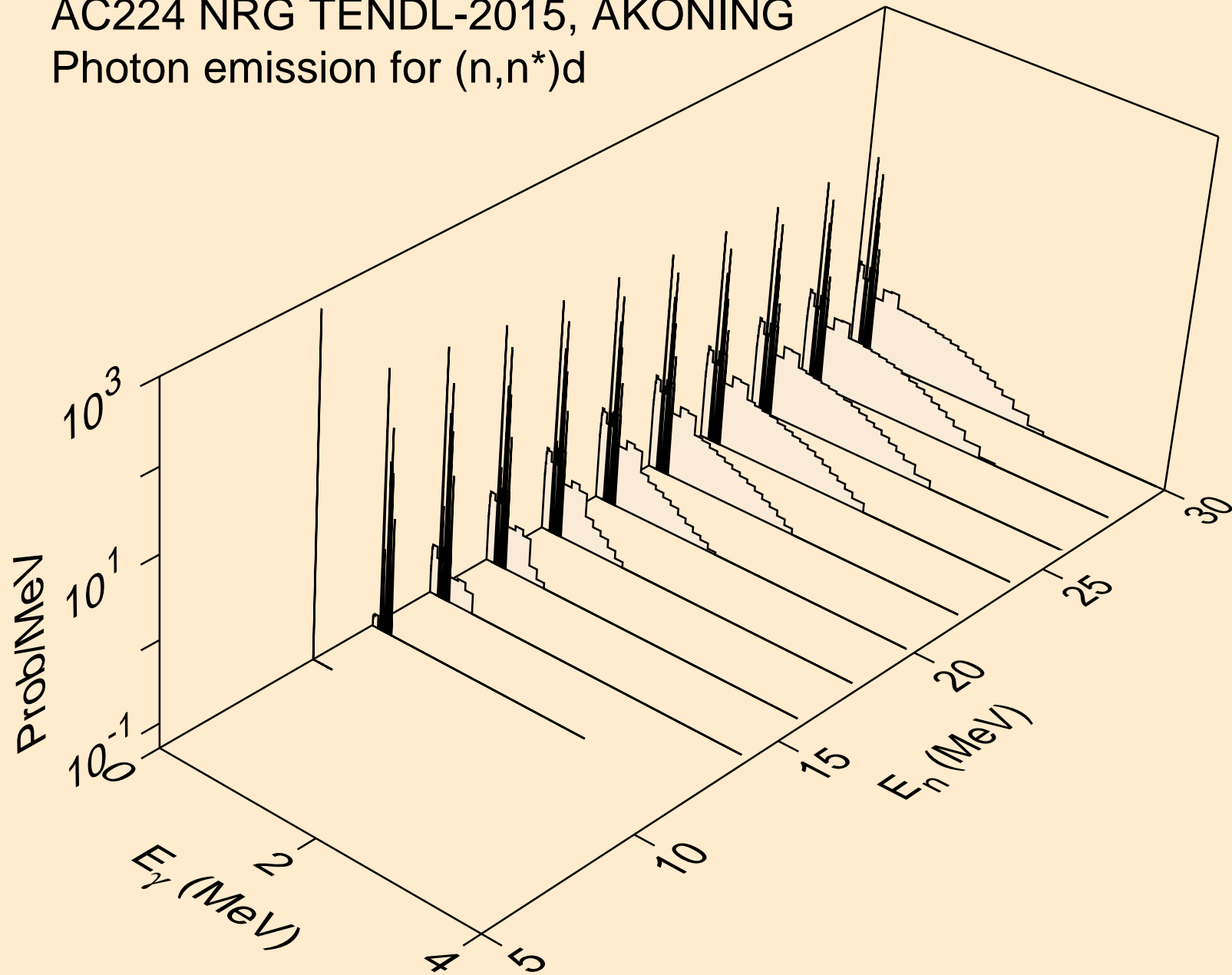
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

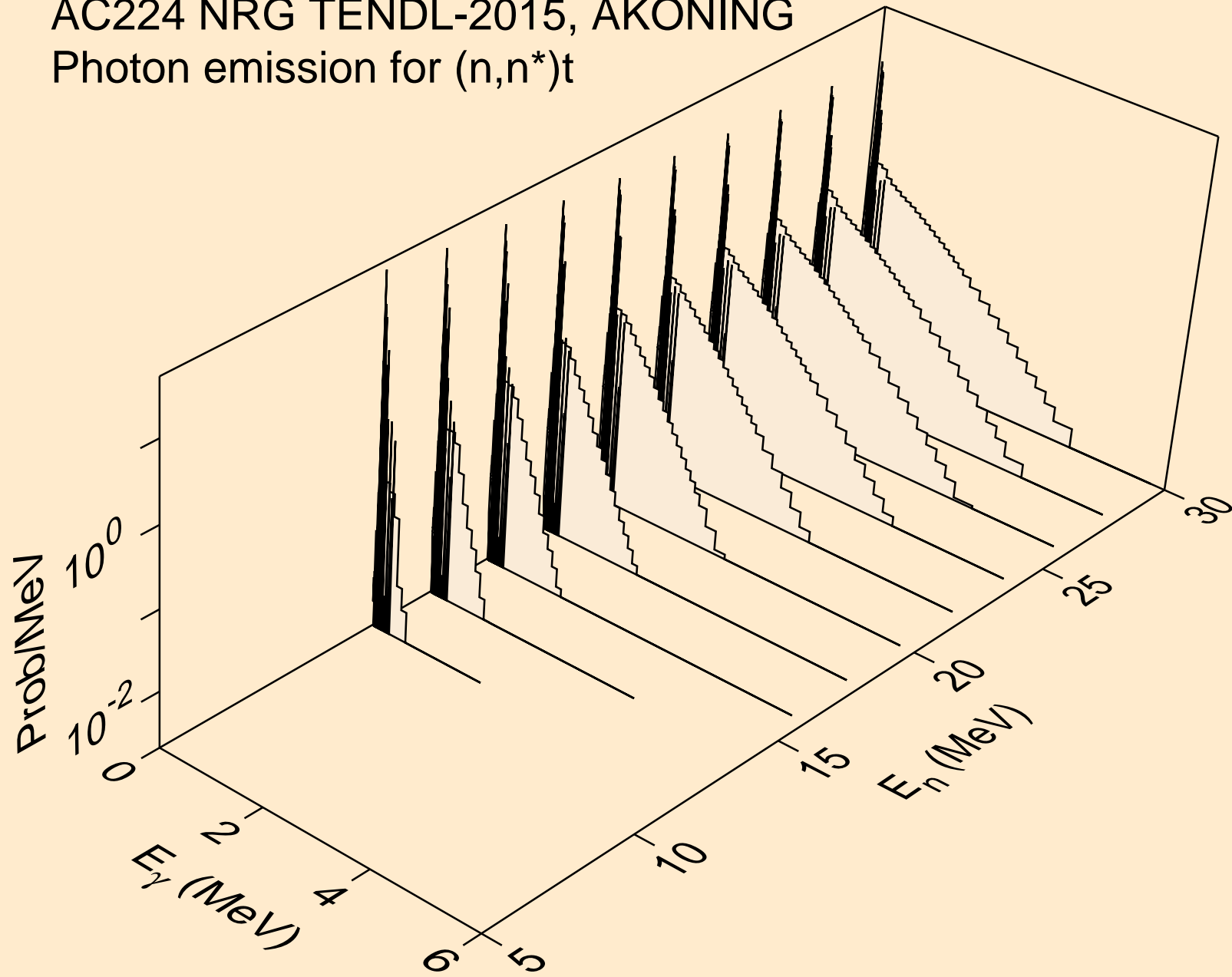


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d

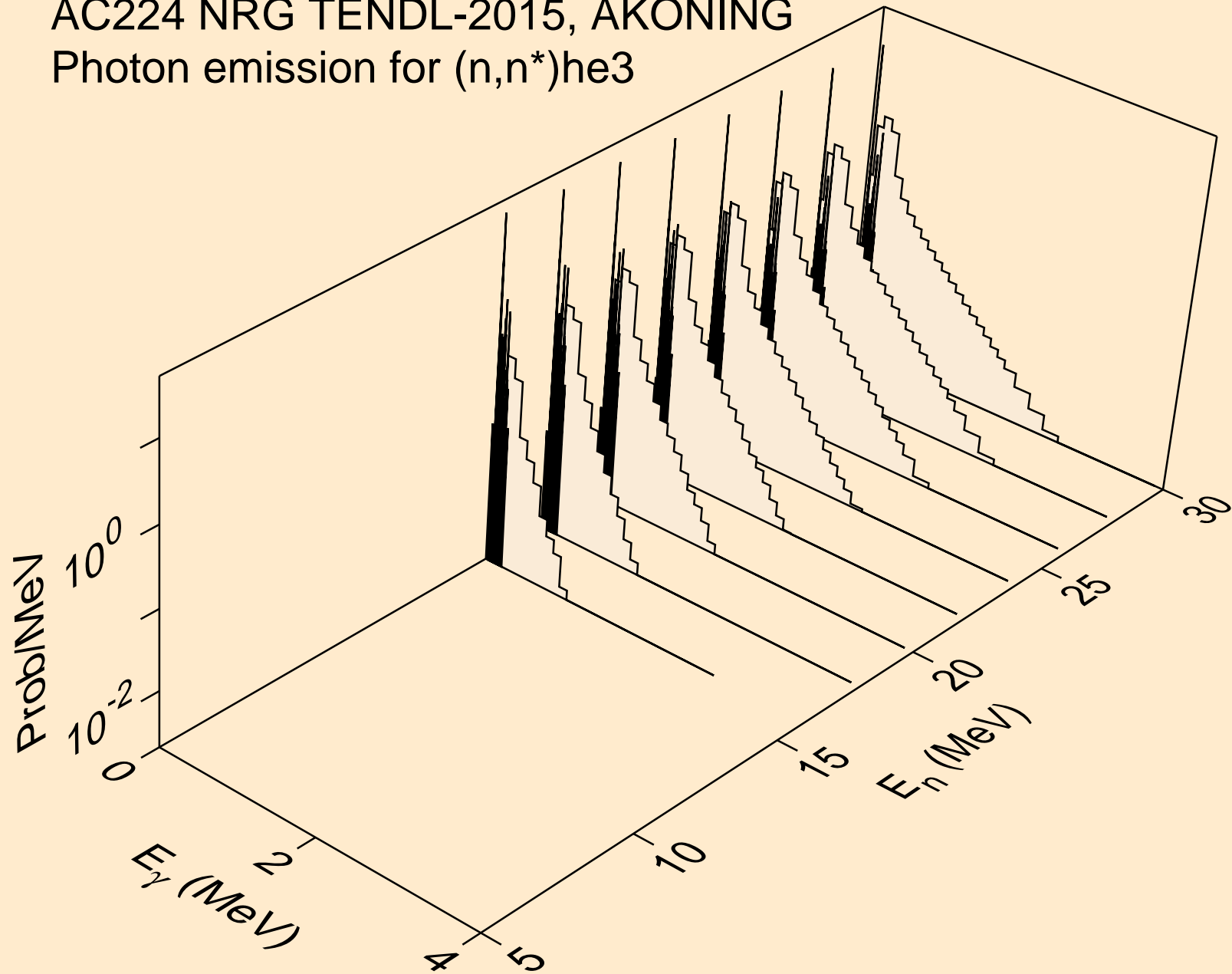


AC224 NRG TENDL-2015, AKONING

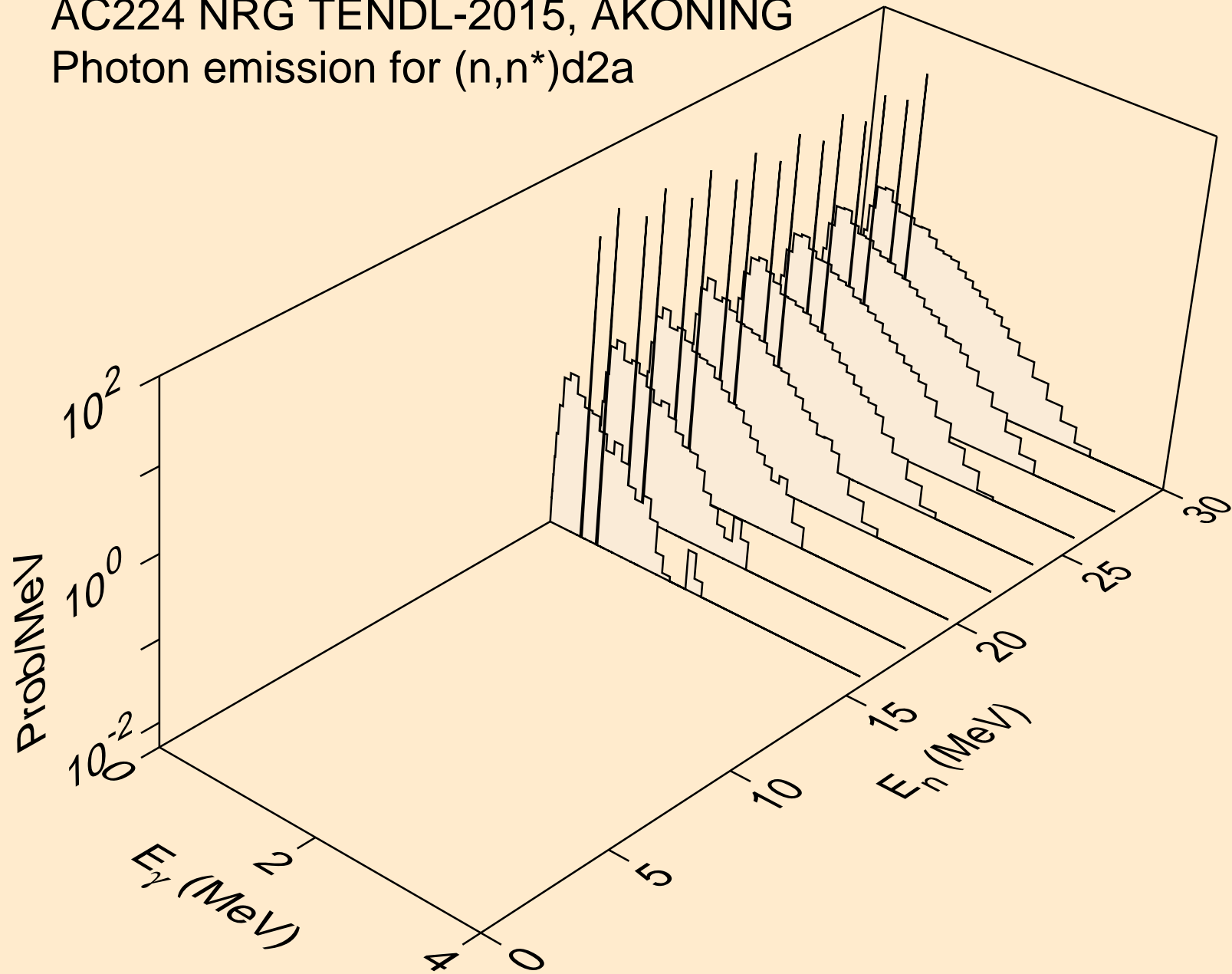
Photon emission for (n,n\*)t



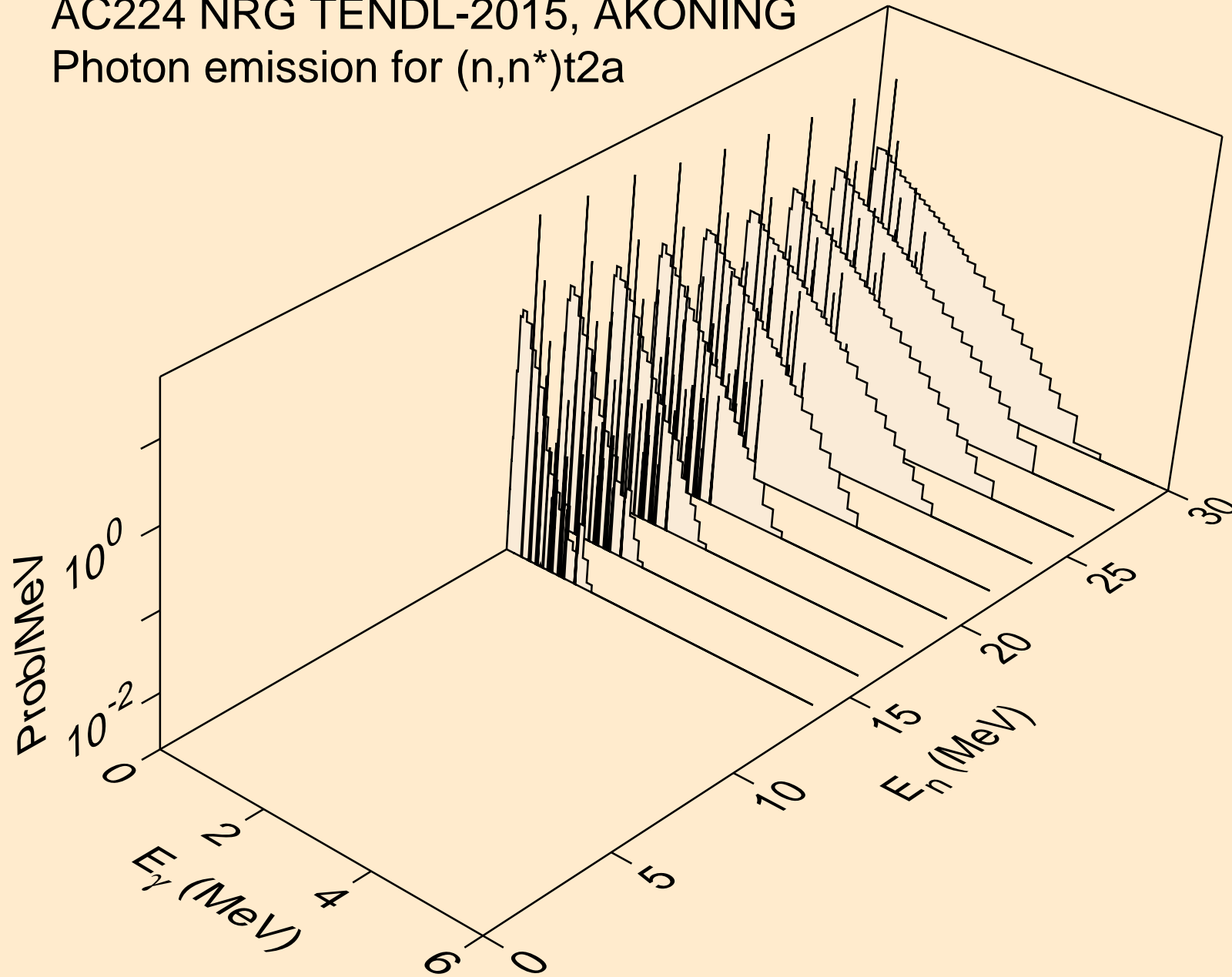
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



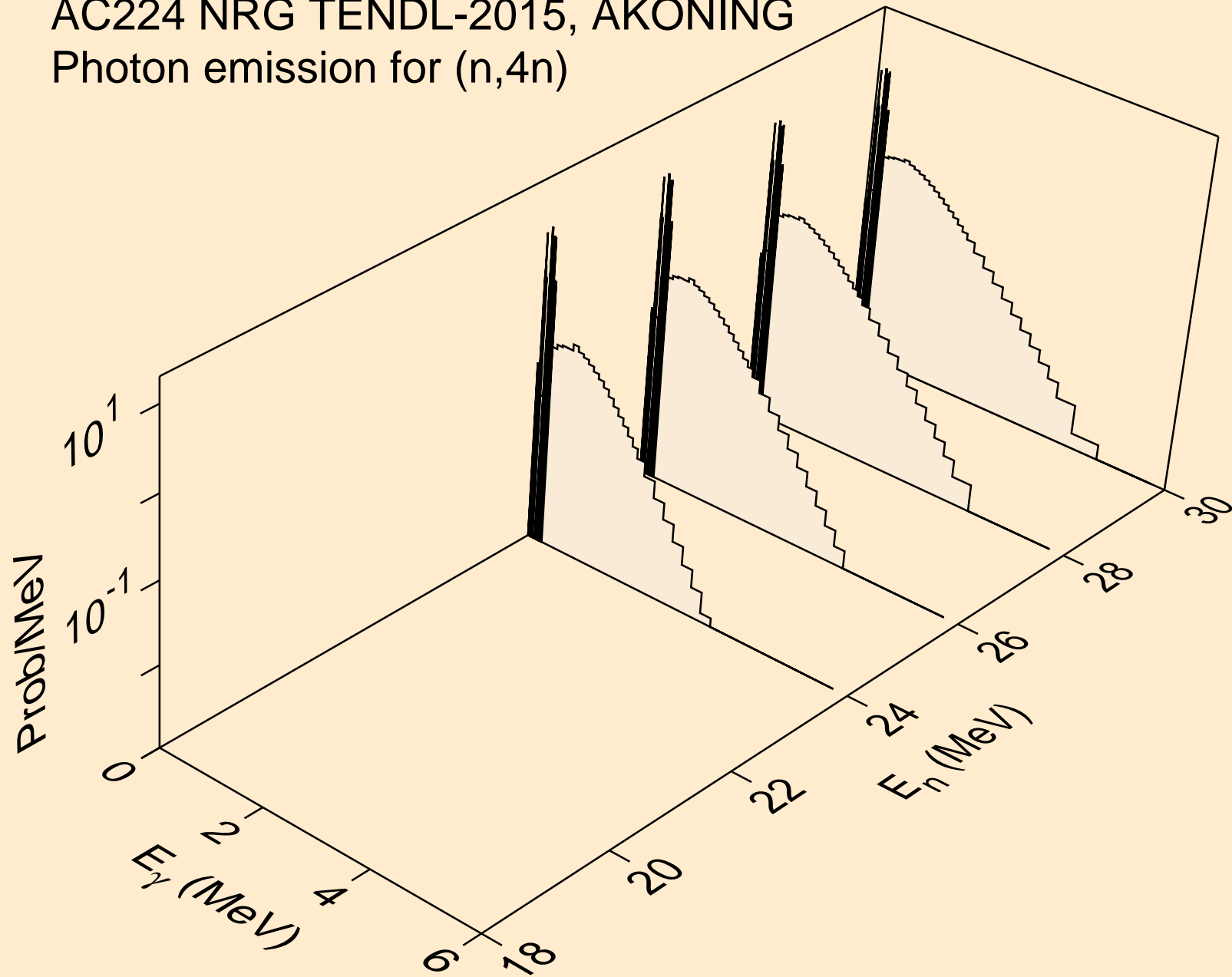
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a



AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a

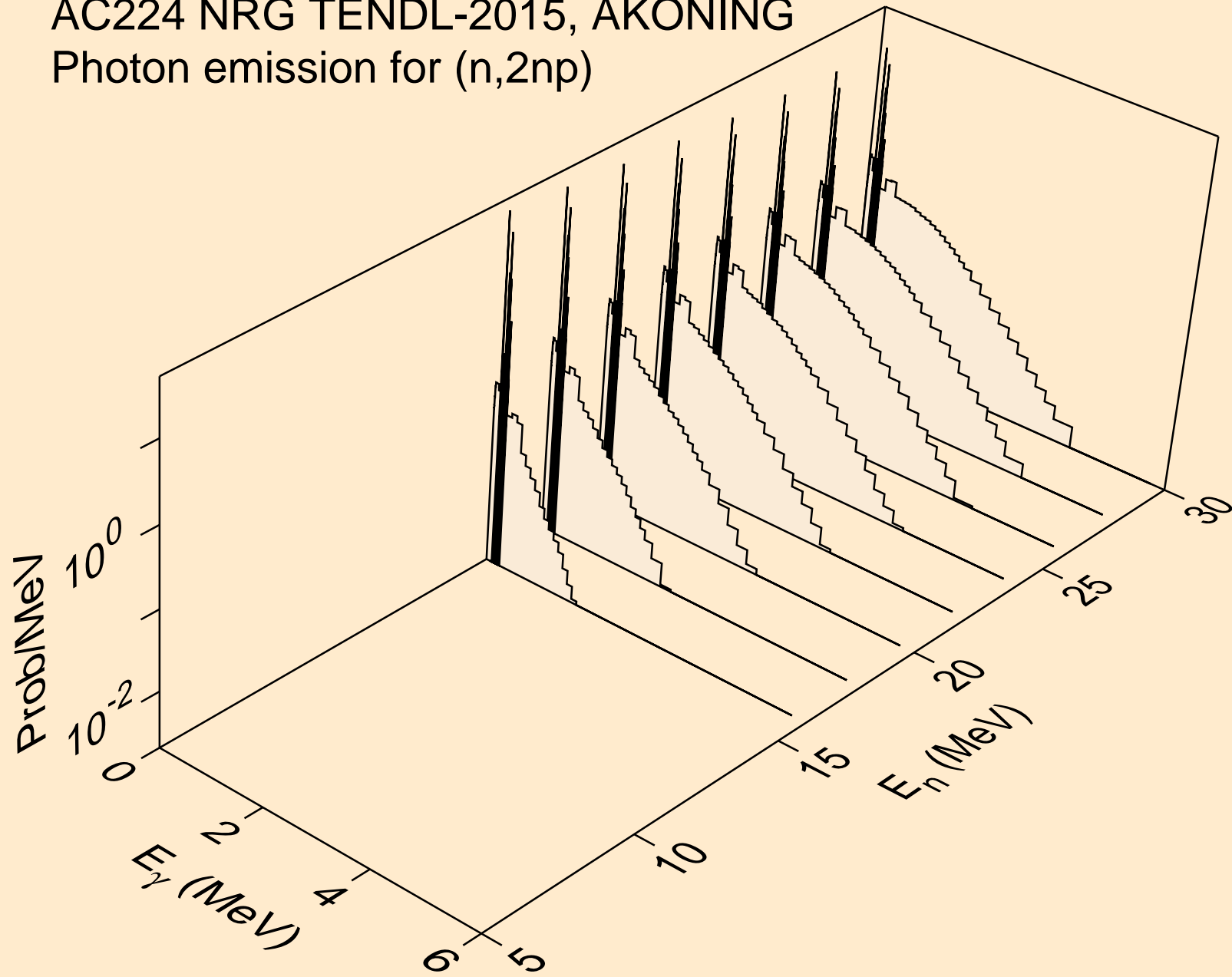


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)

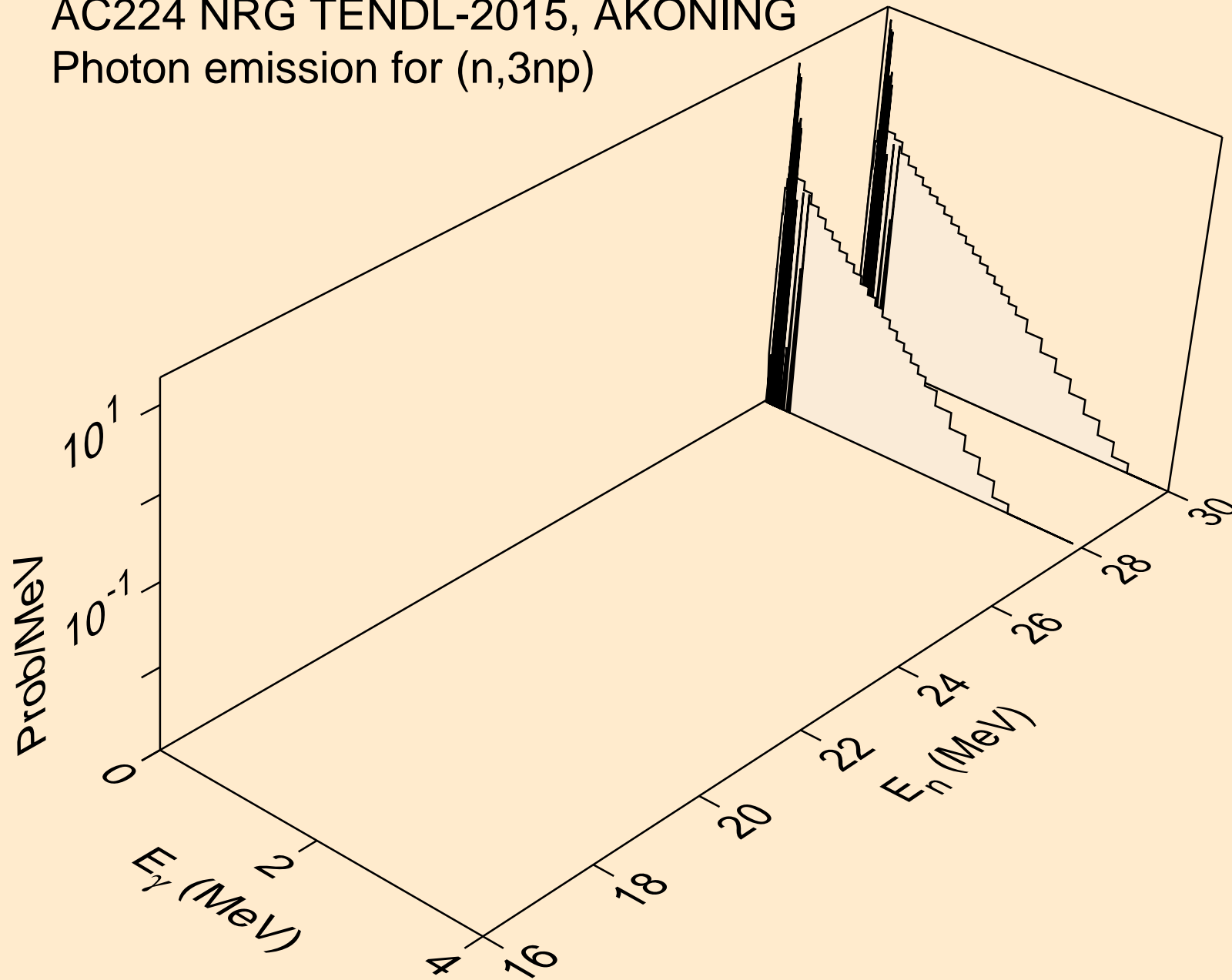




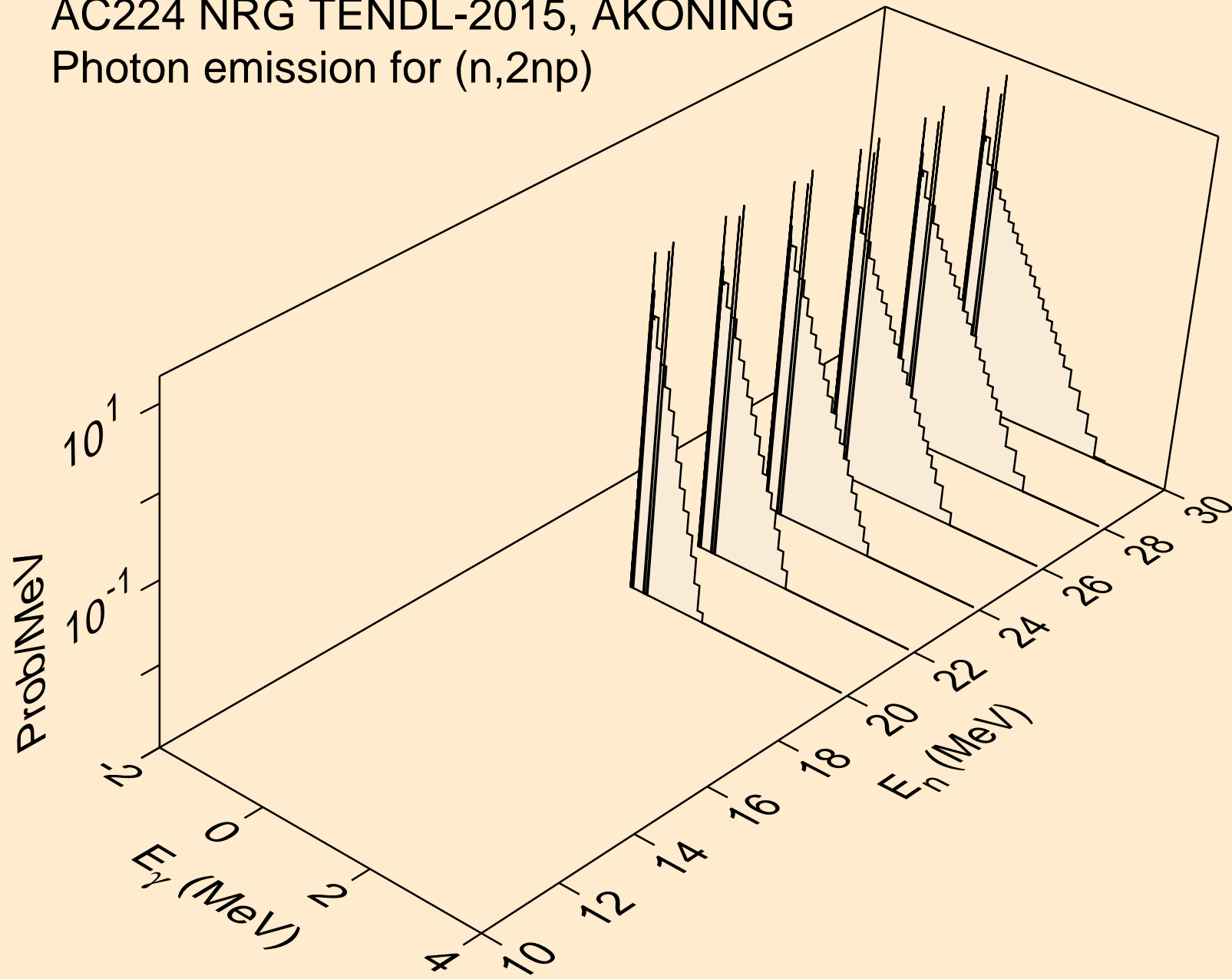
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



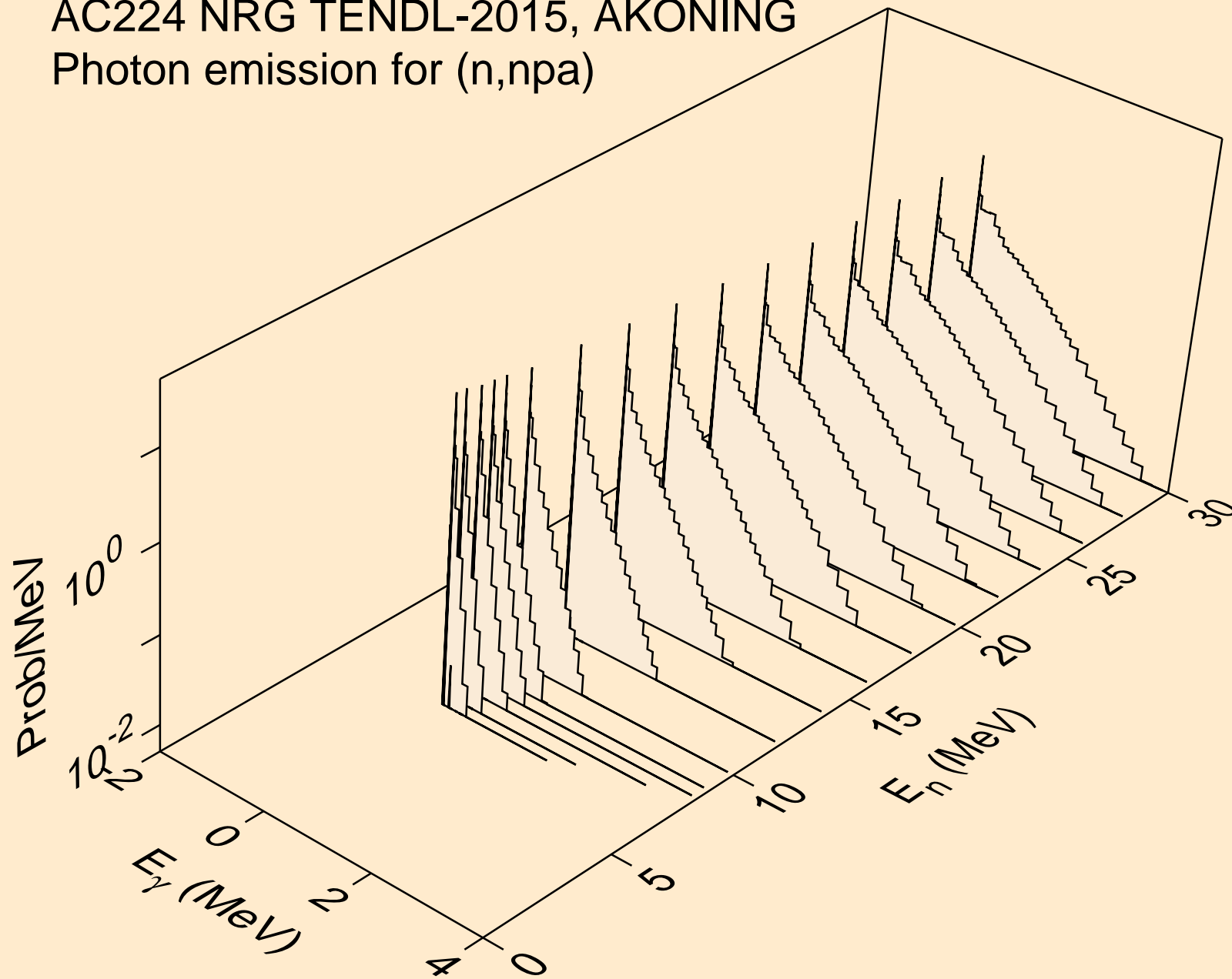
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



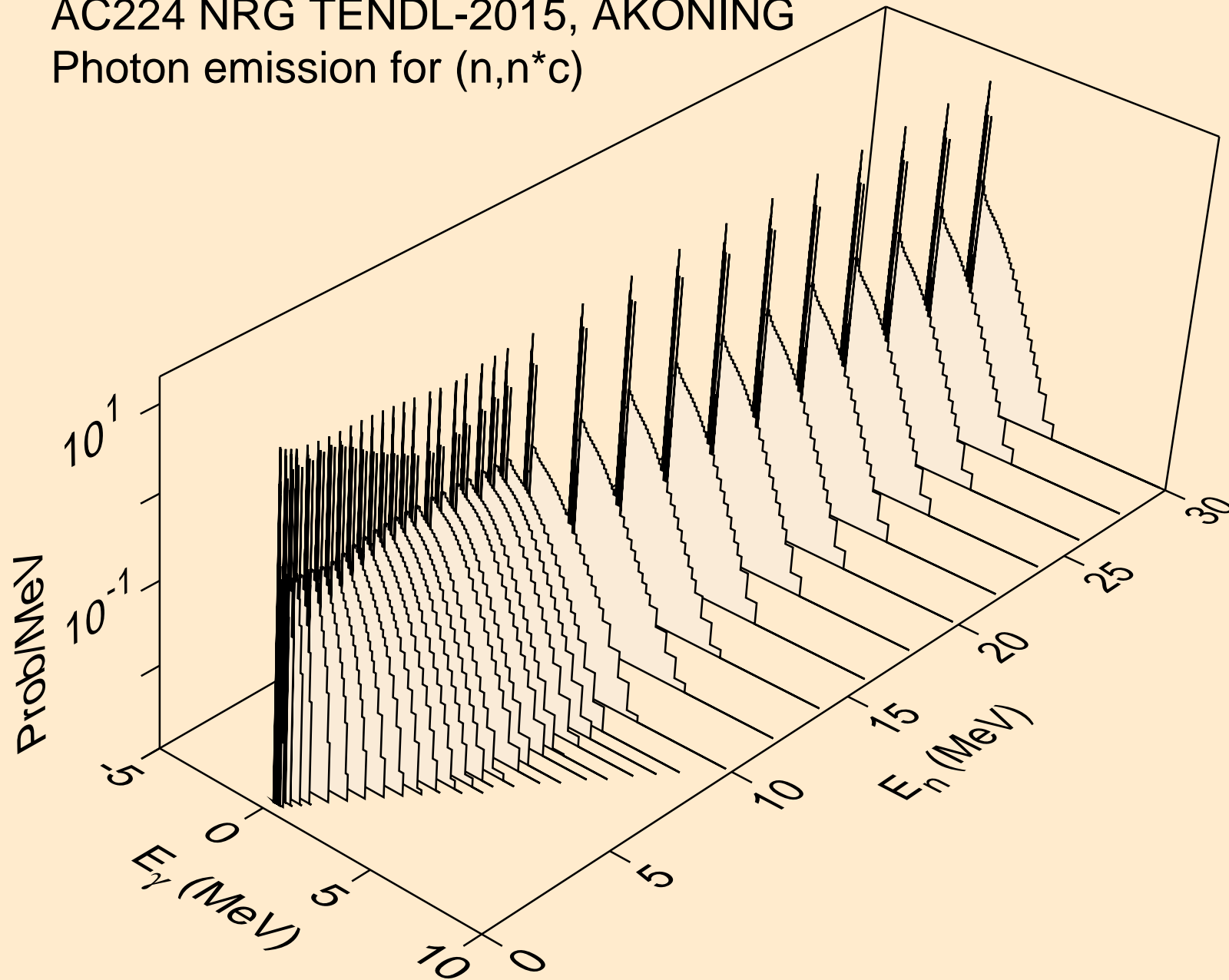
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



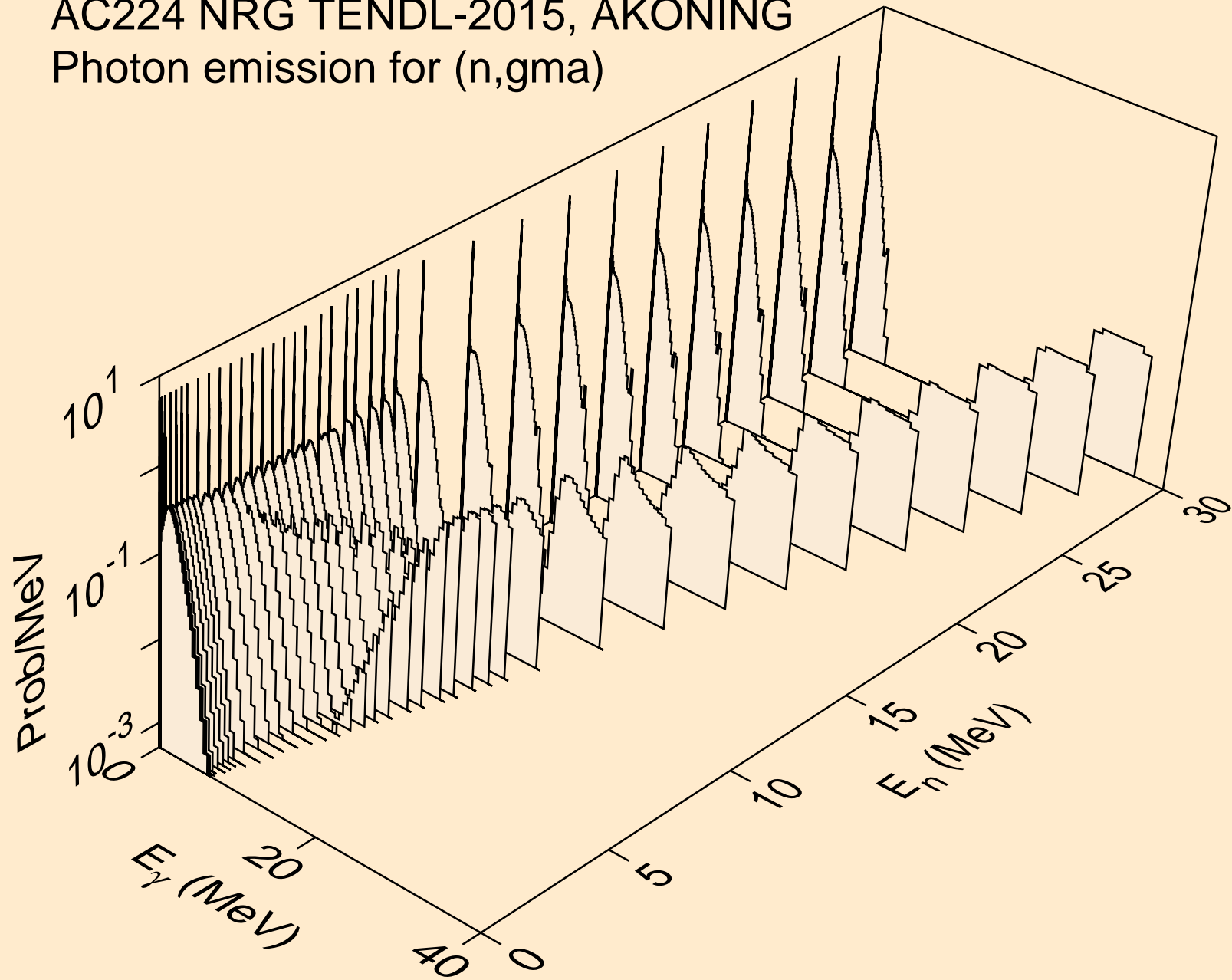
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



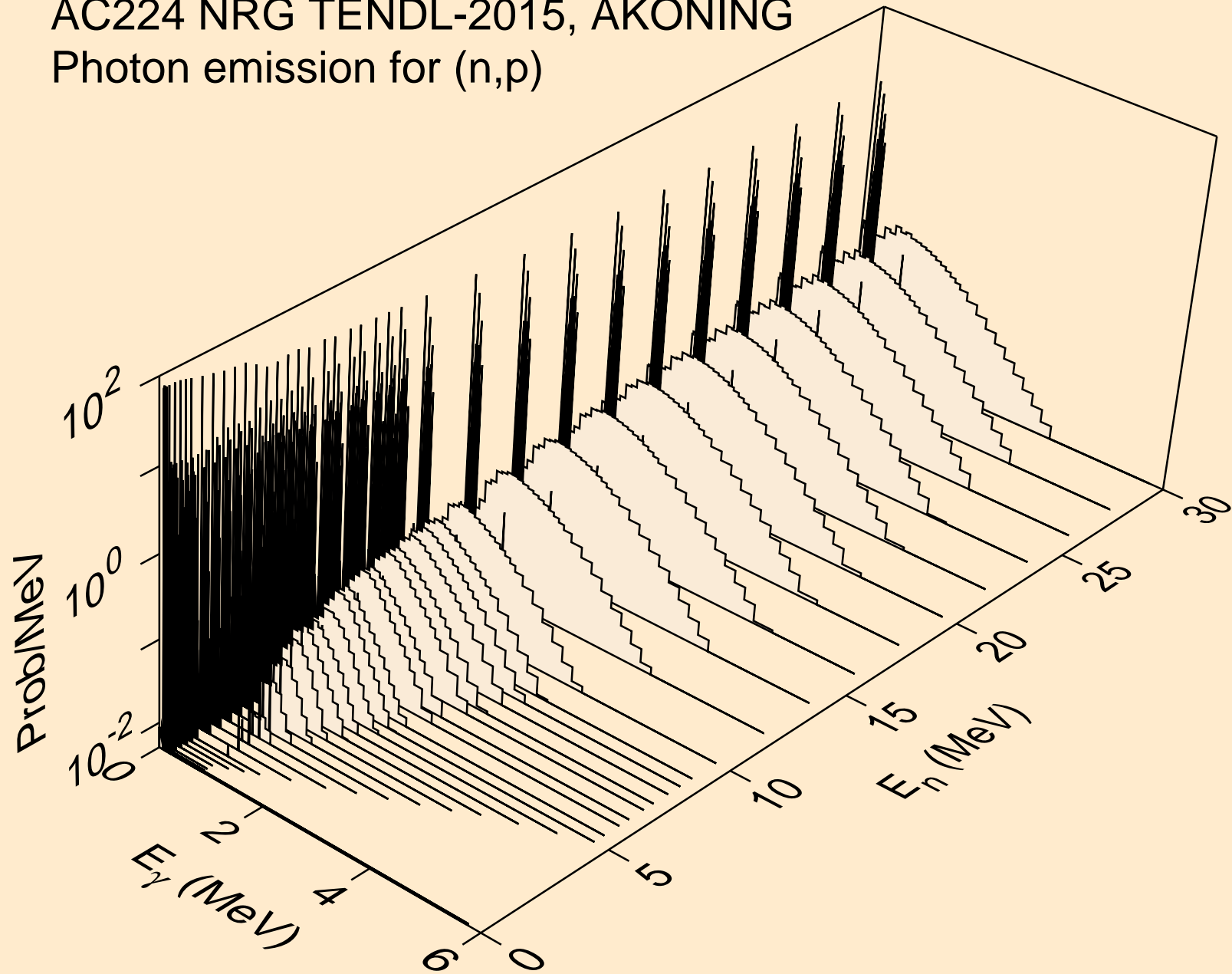
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



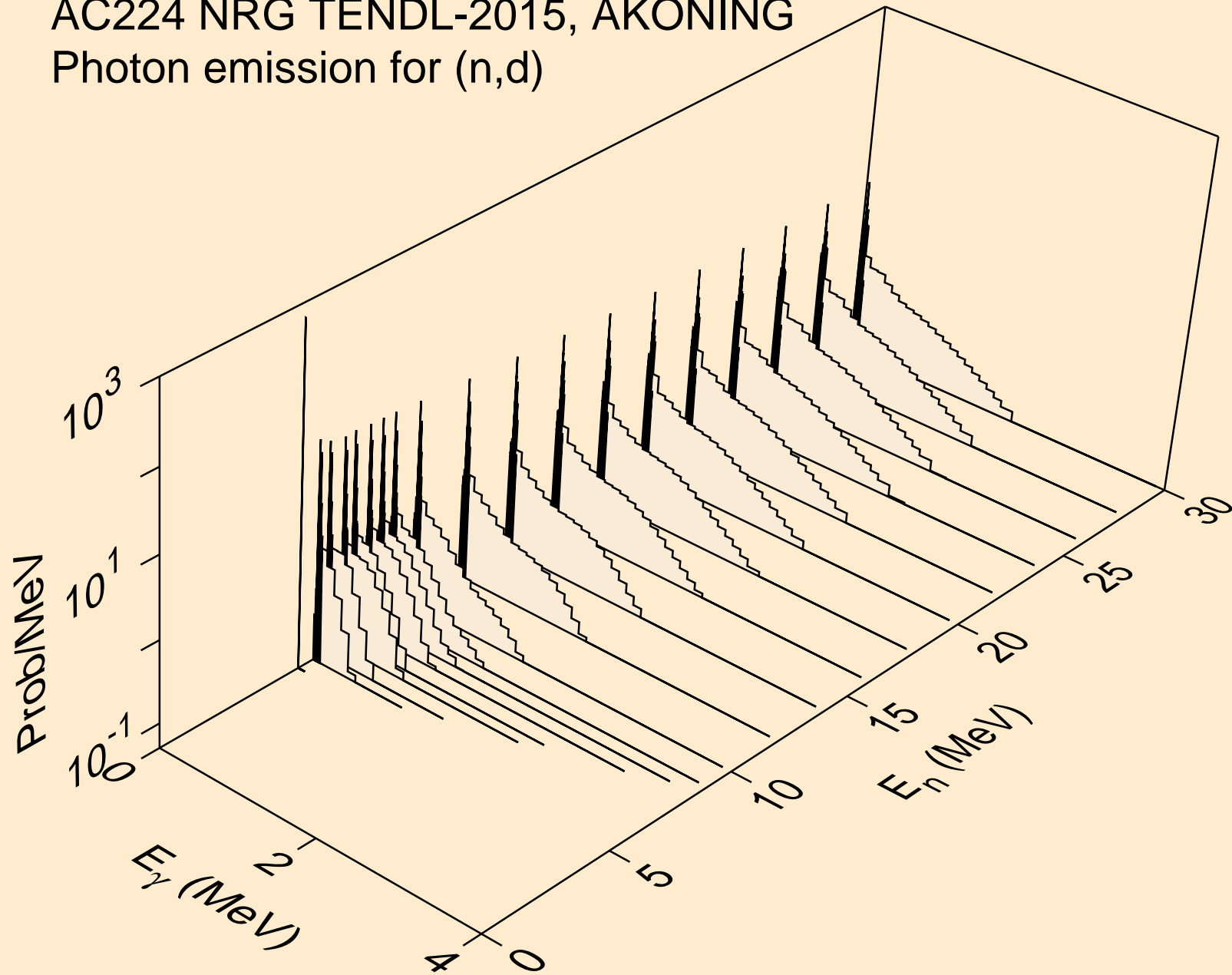
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

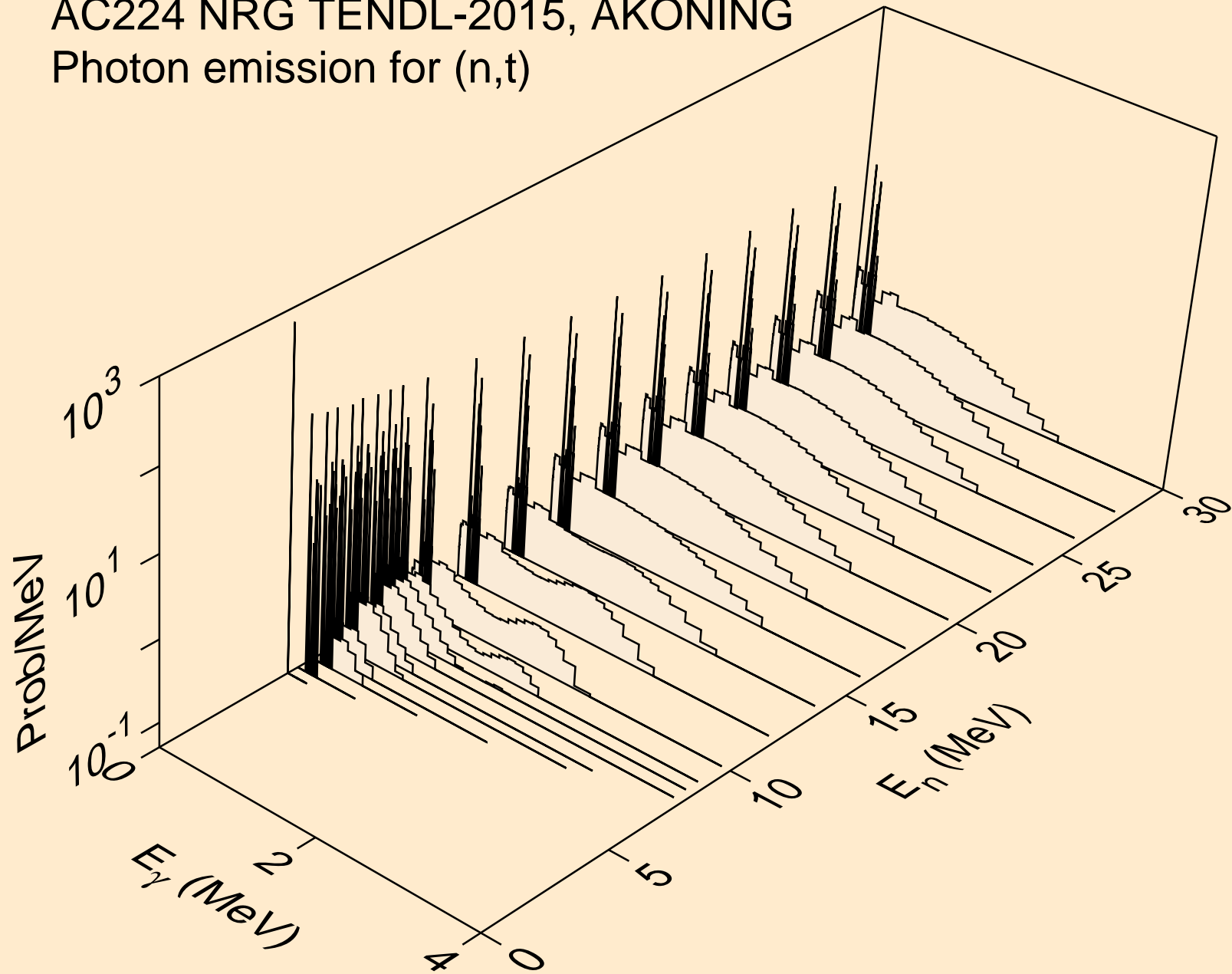


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

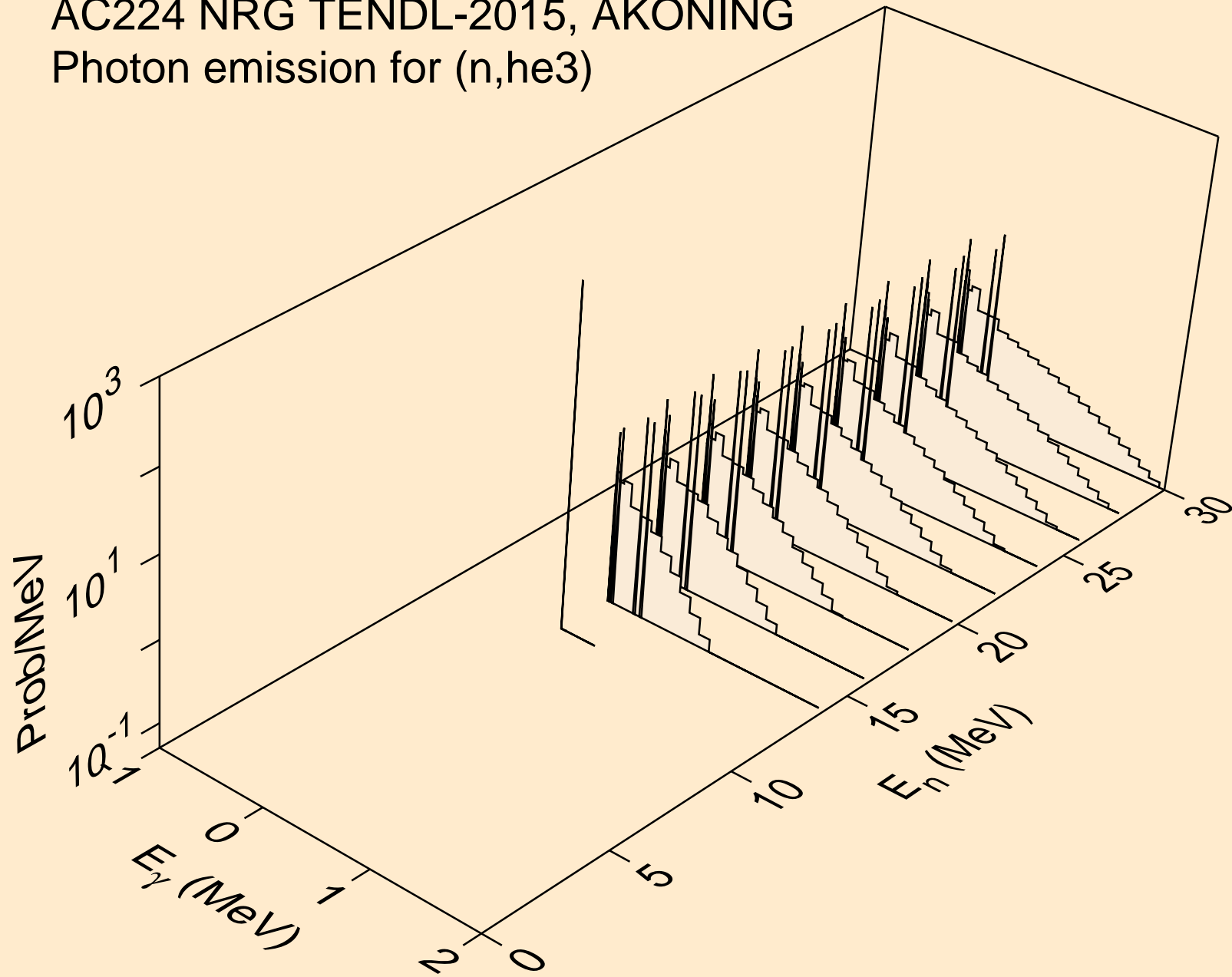




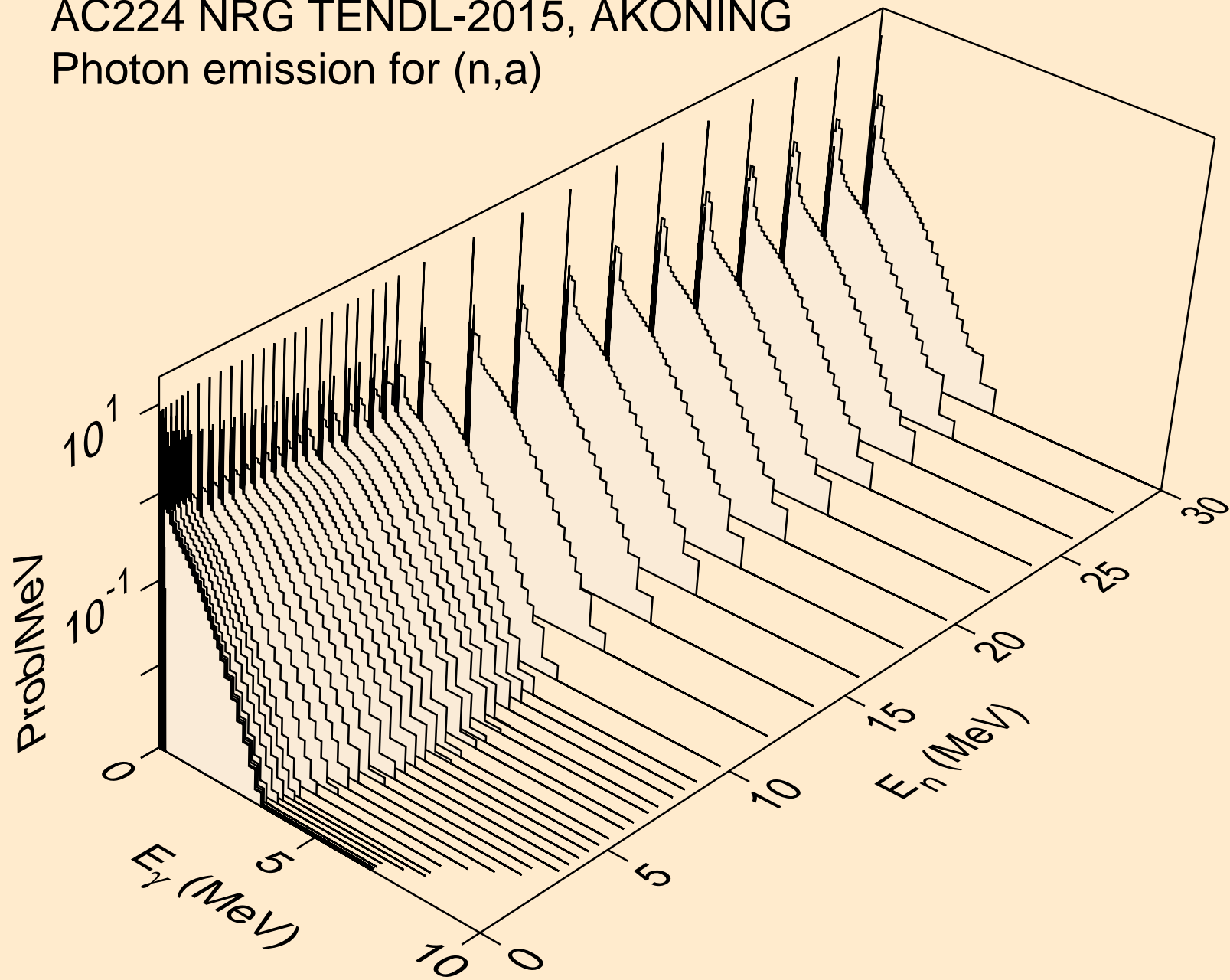
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



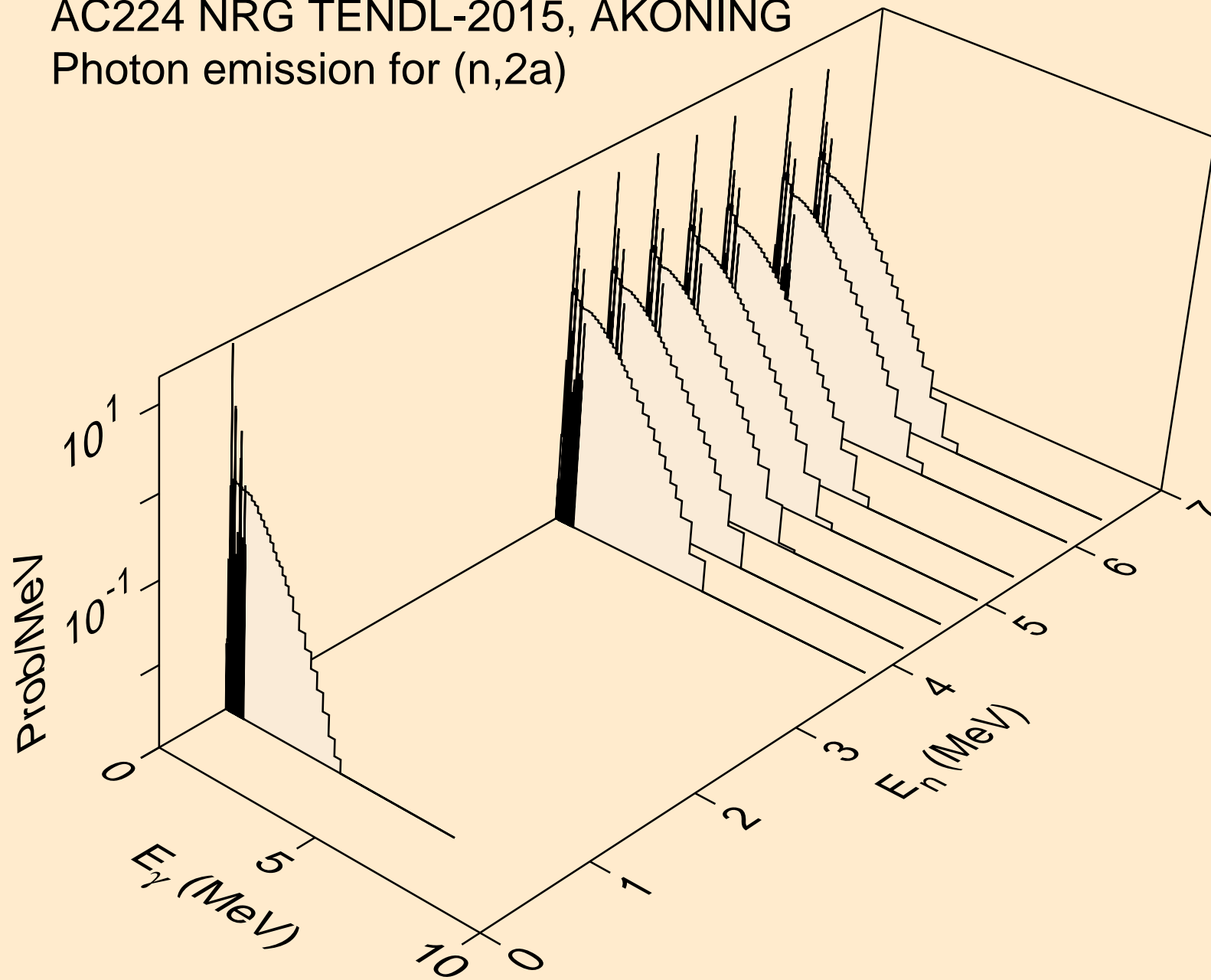
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



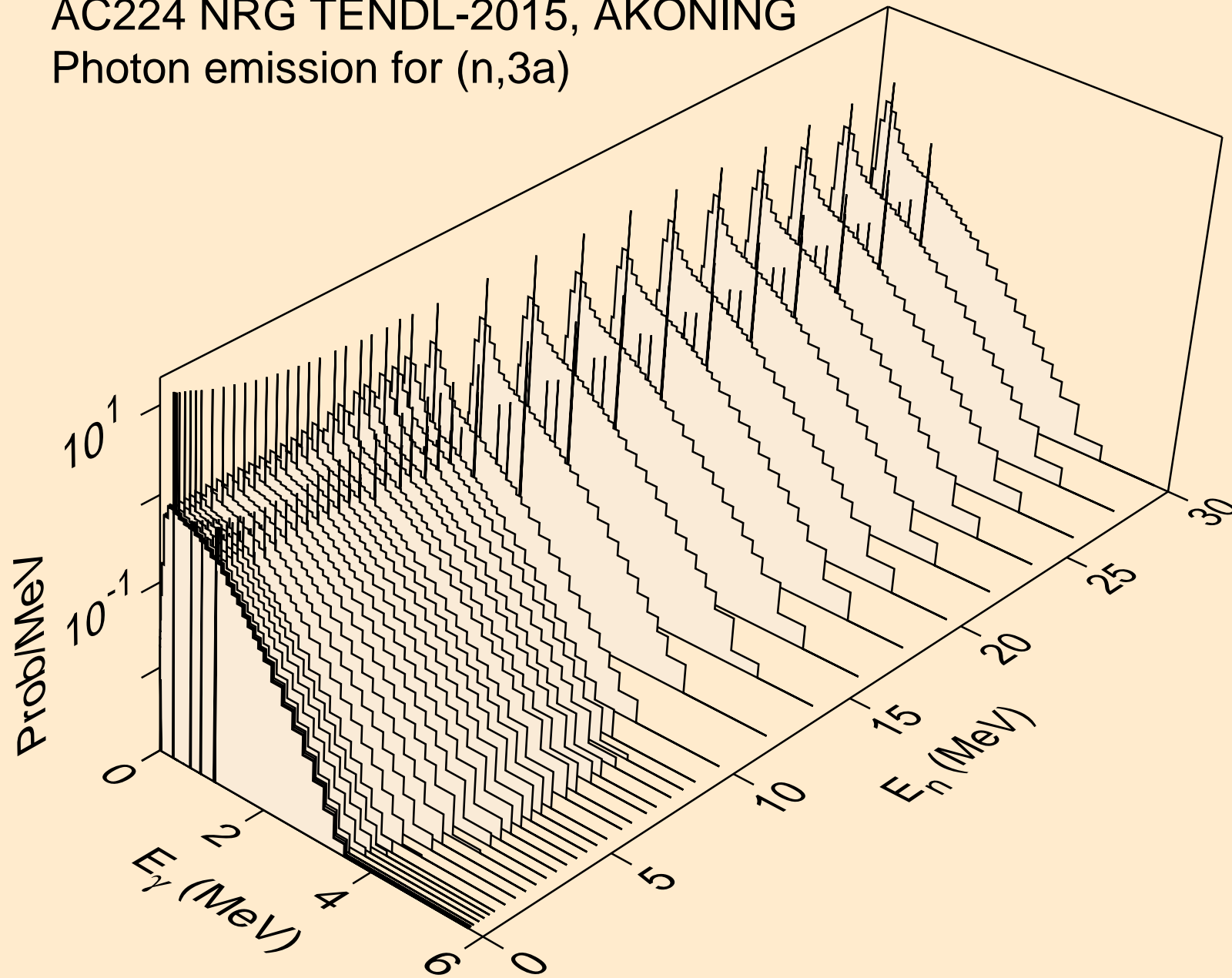
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



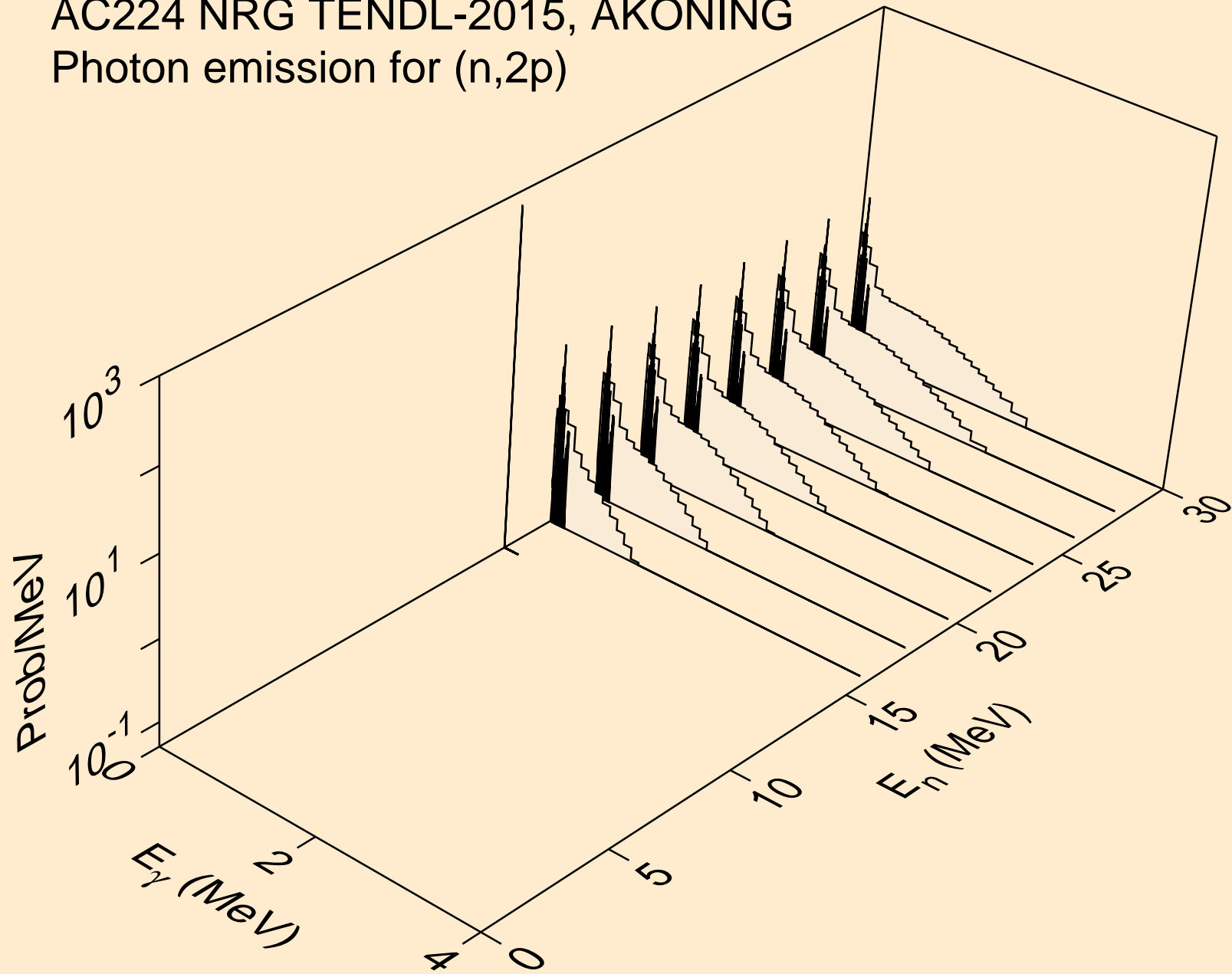
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



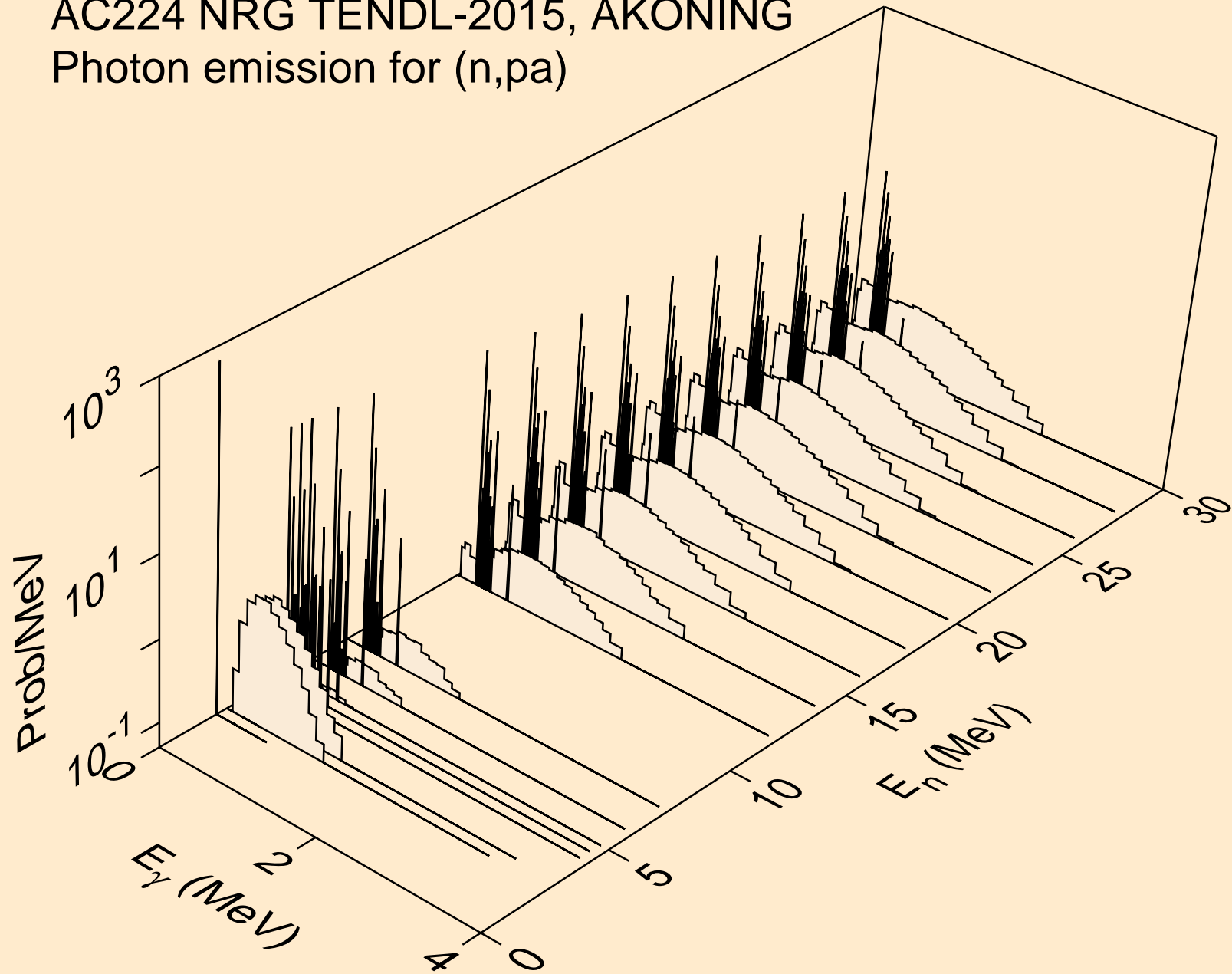
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



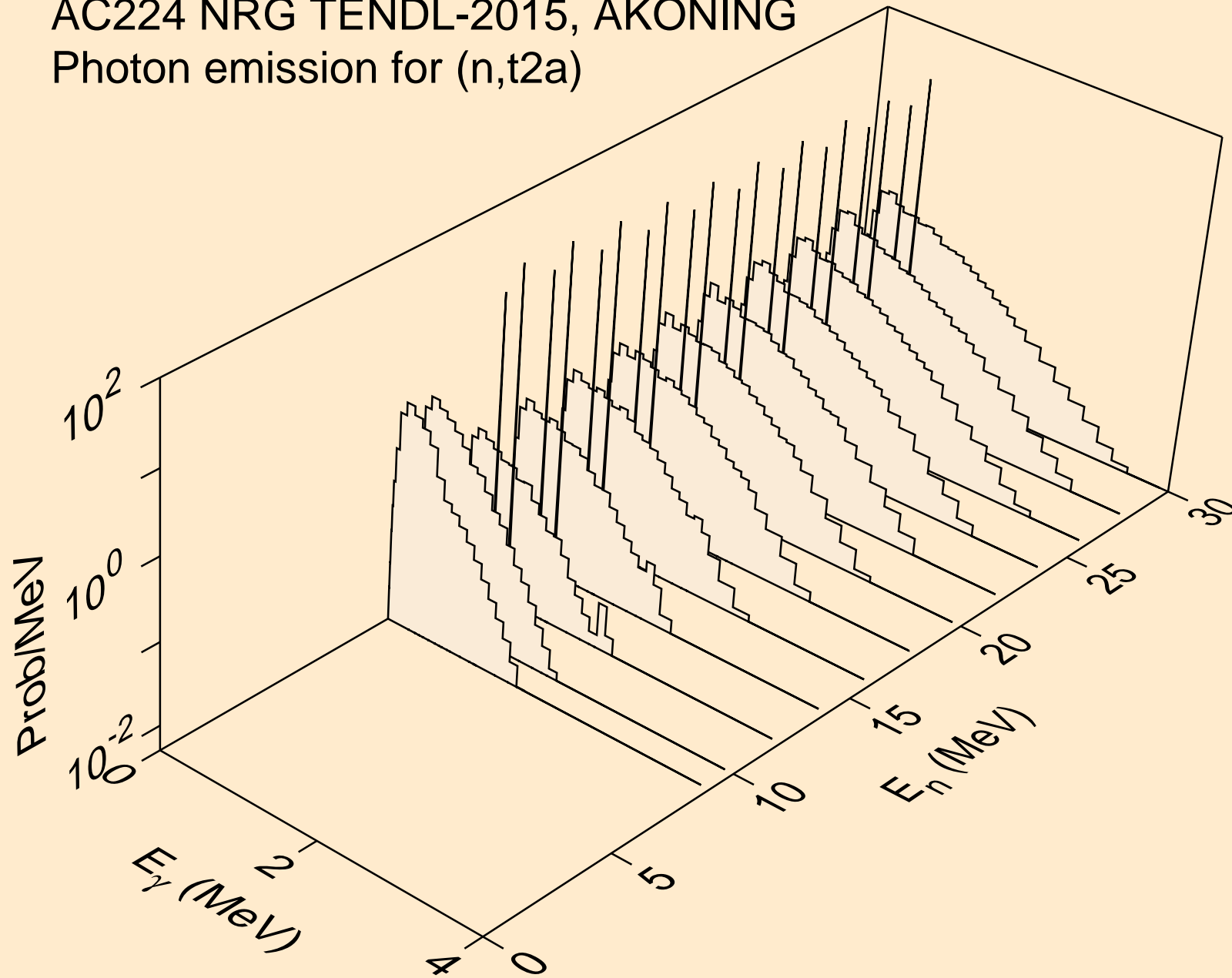
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )

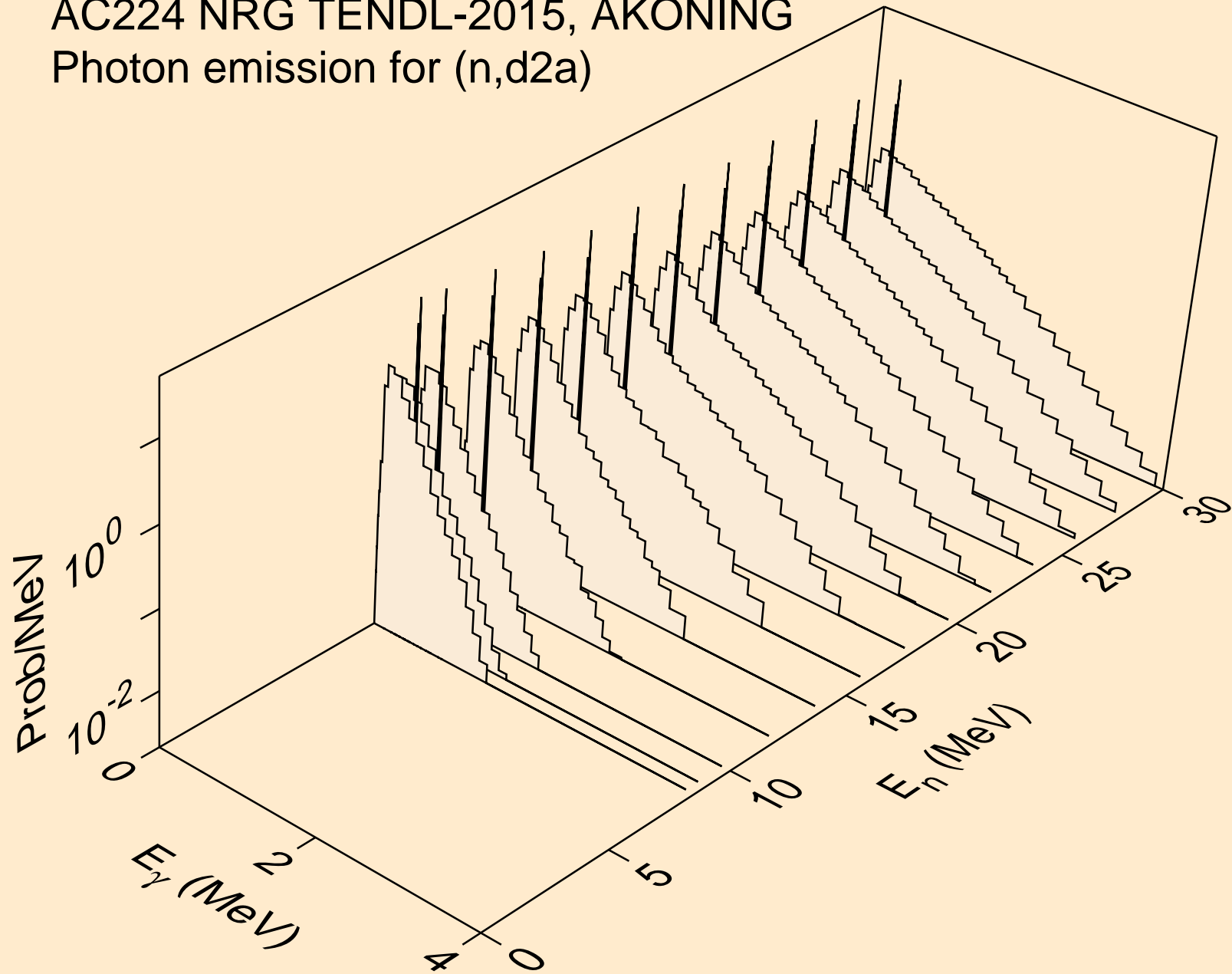


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)

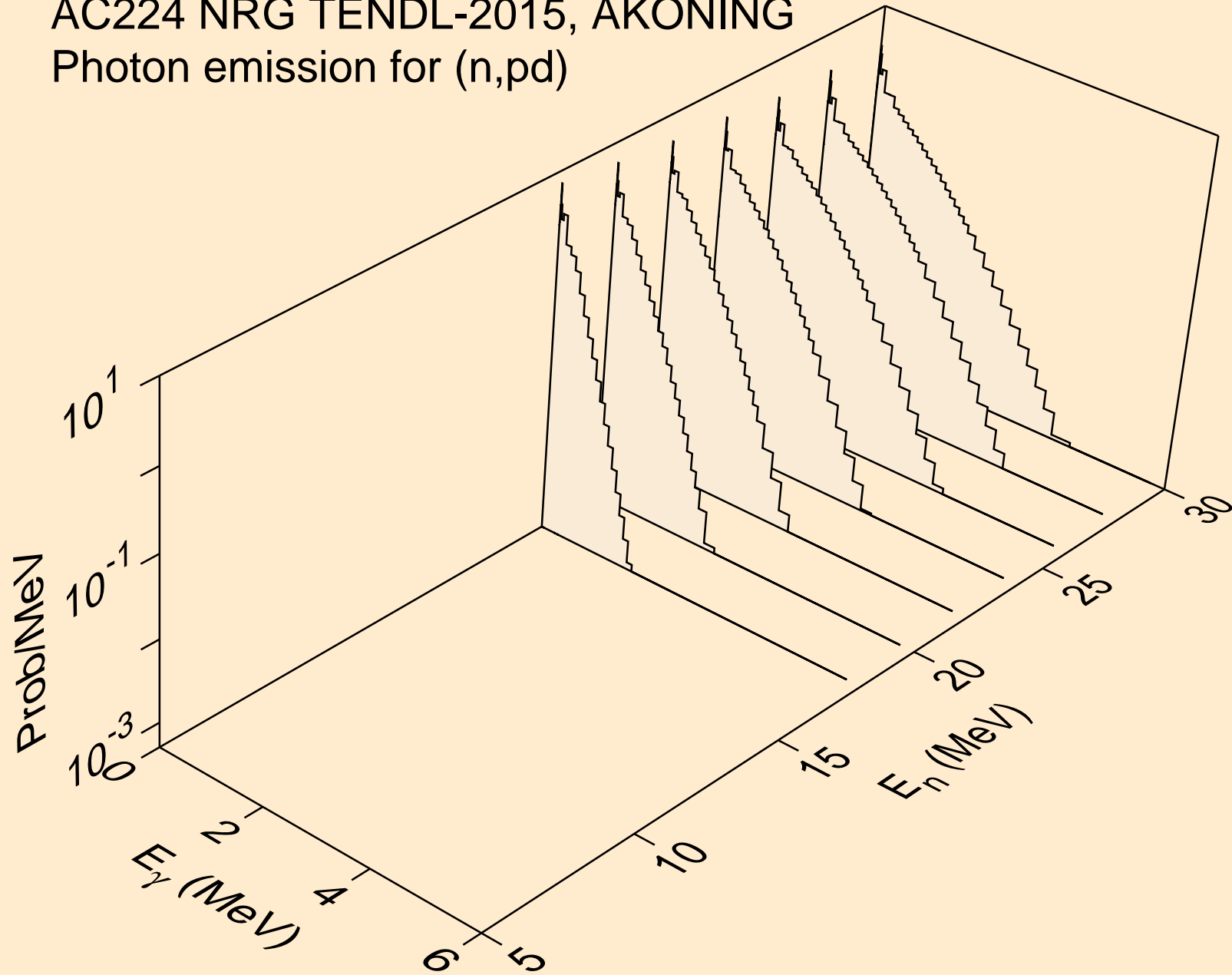




AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)

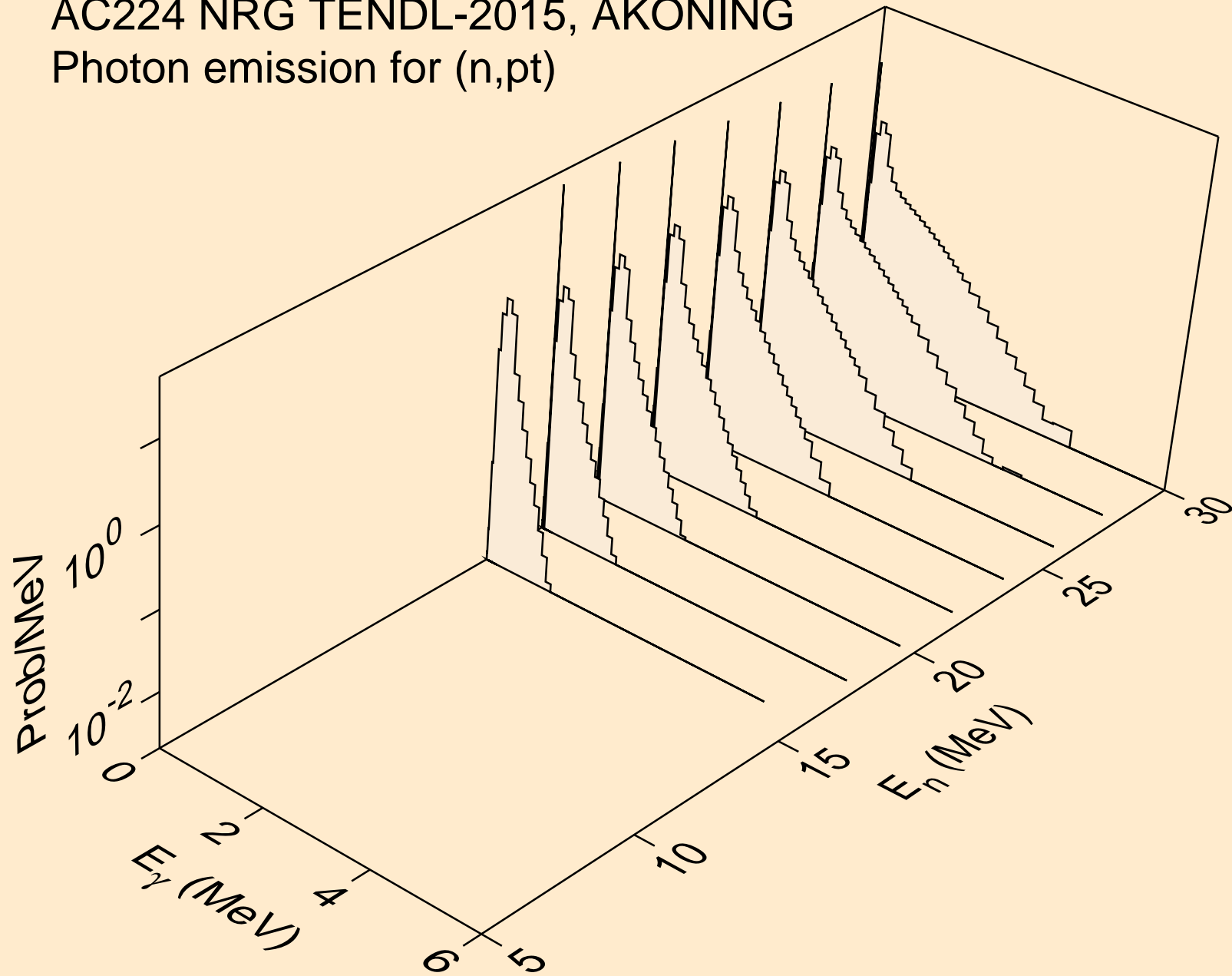


AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

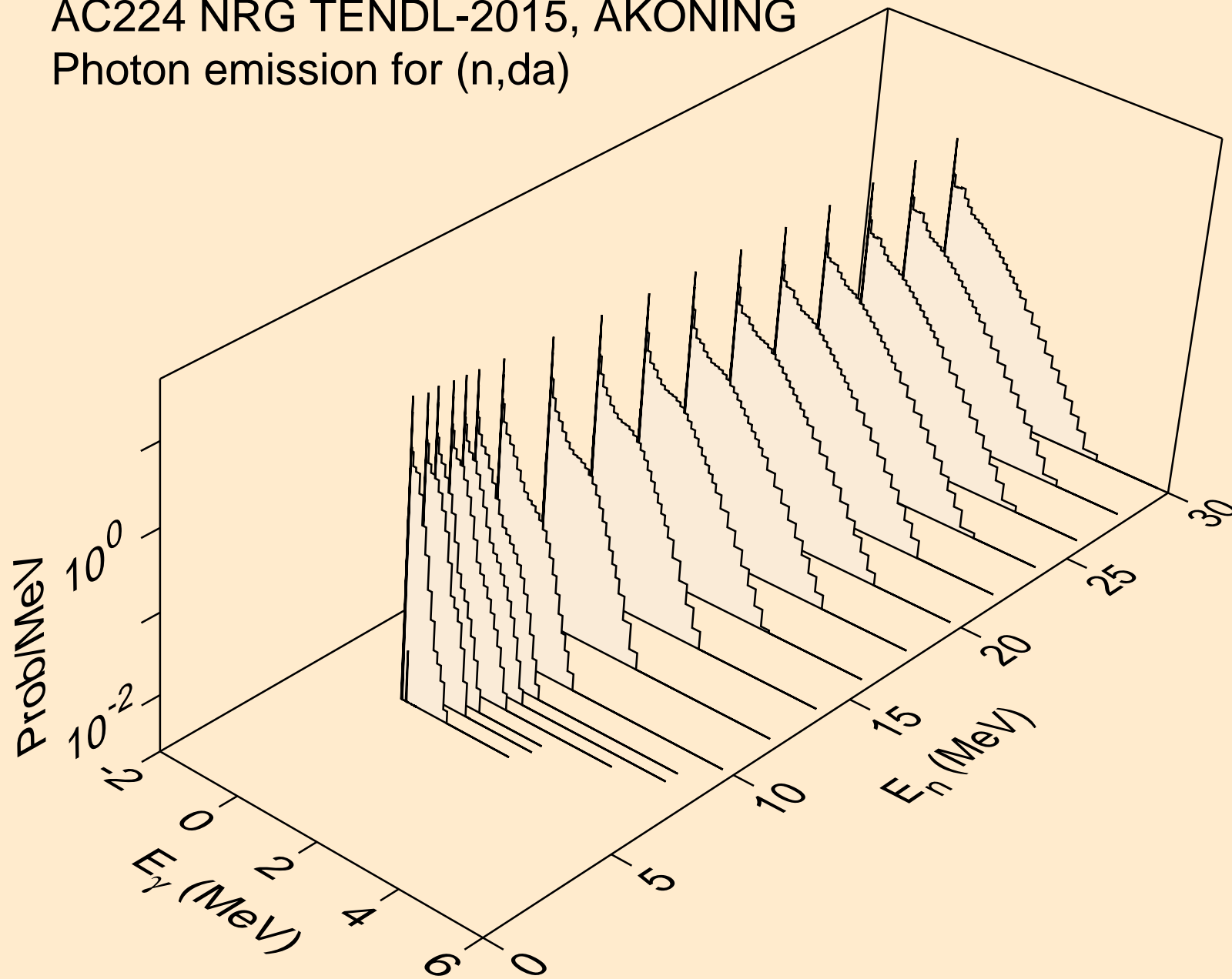


# AC224 NRG TENDL-2015, AKONING

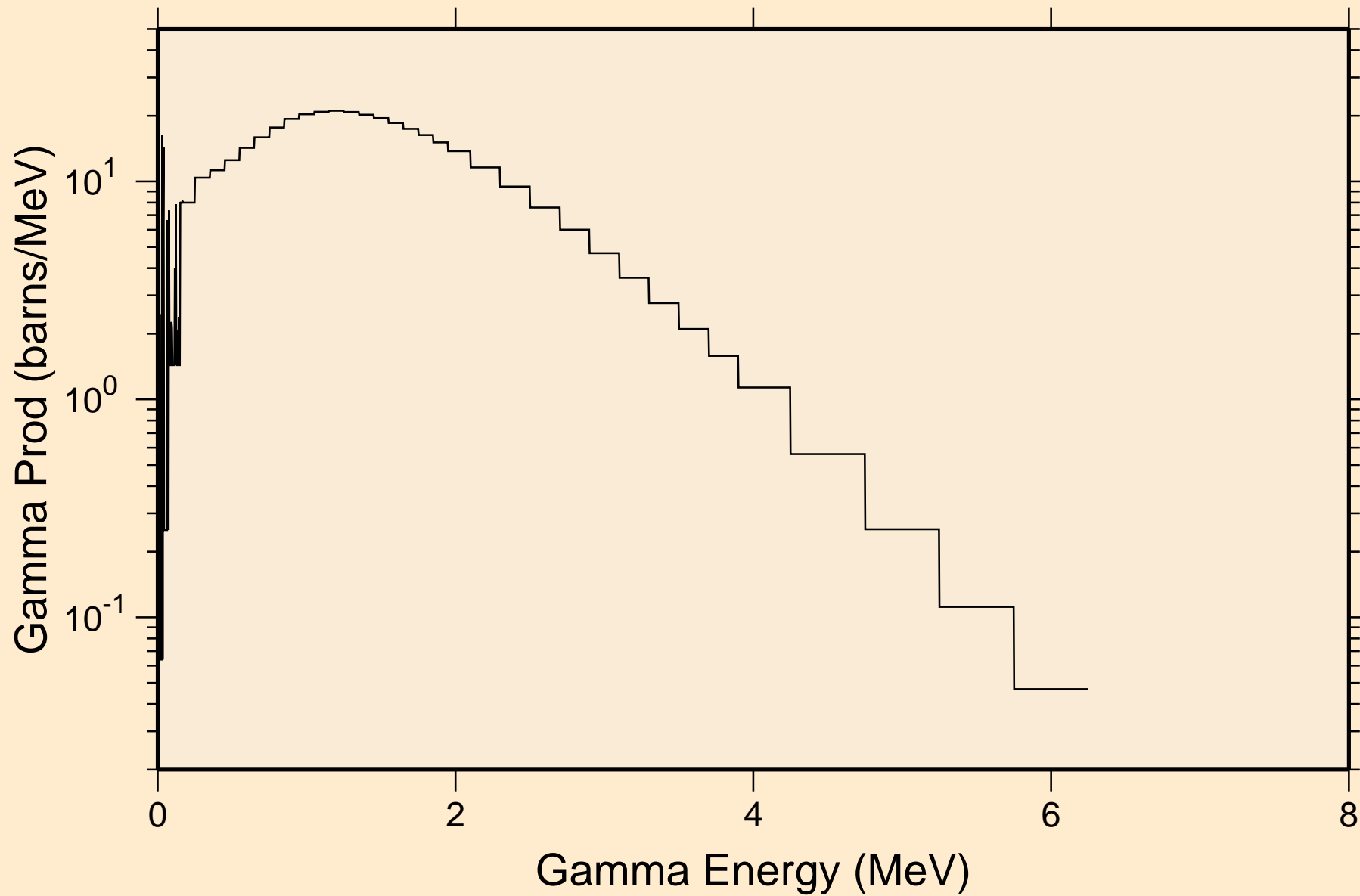
Photon emission for (n,pt)



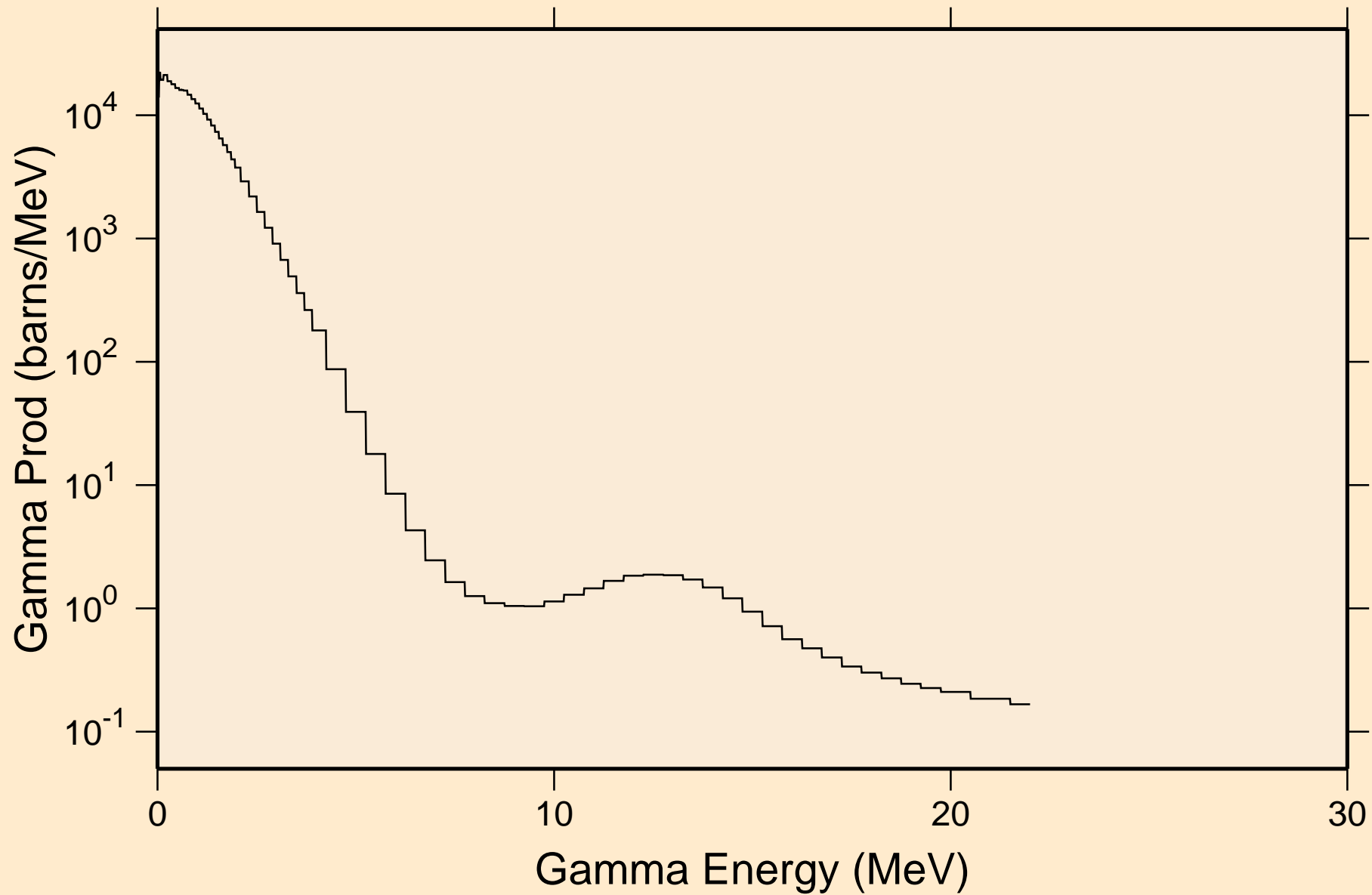
AC224 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



AC224 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

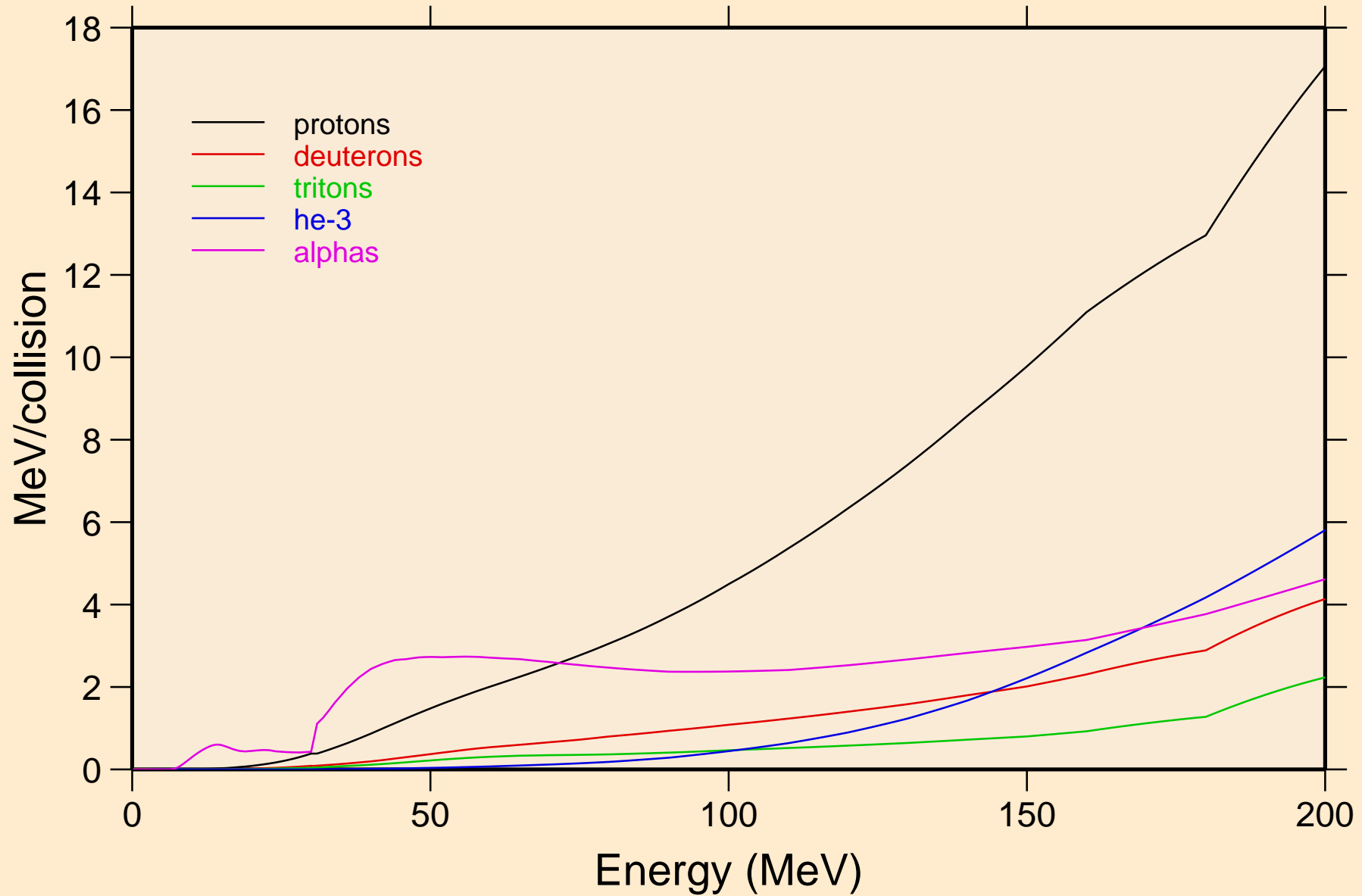


AC224 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



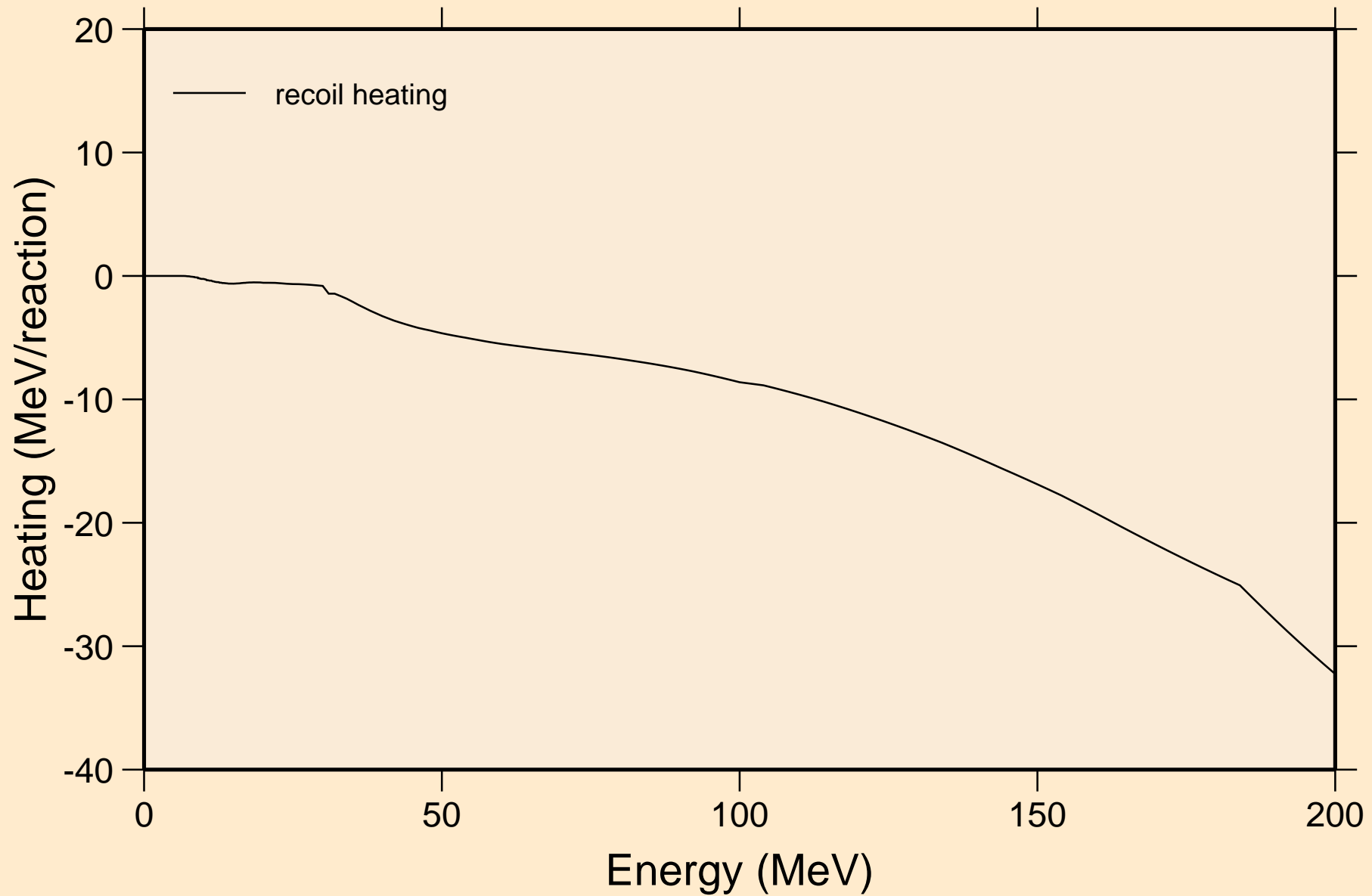
# AC224 NRG TENDL-2015, AKONING

## Particle heating contributions



# AC224 NRG TENDL-2015, AKONING

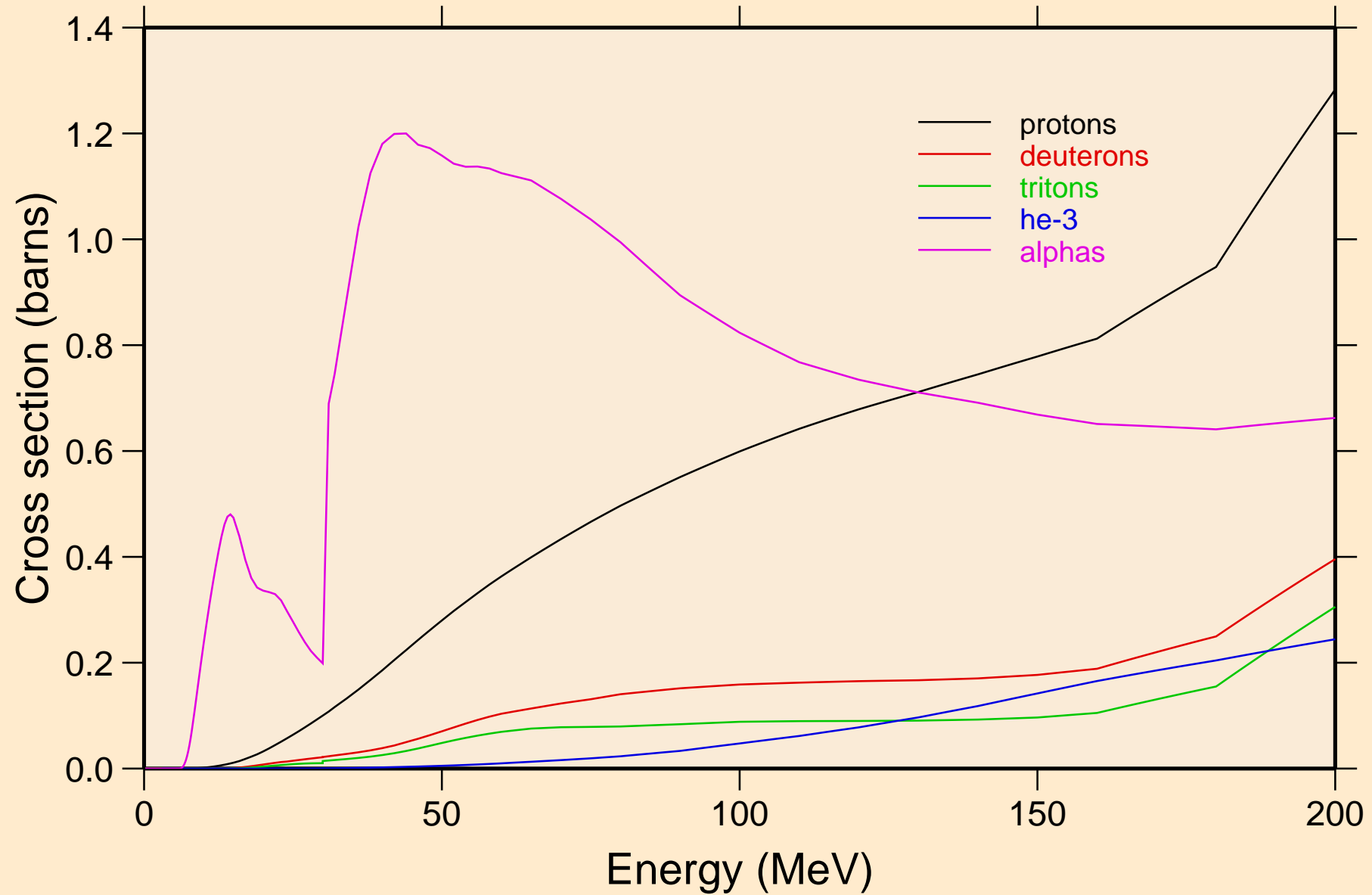
## Recoil Heating



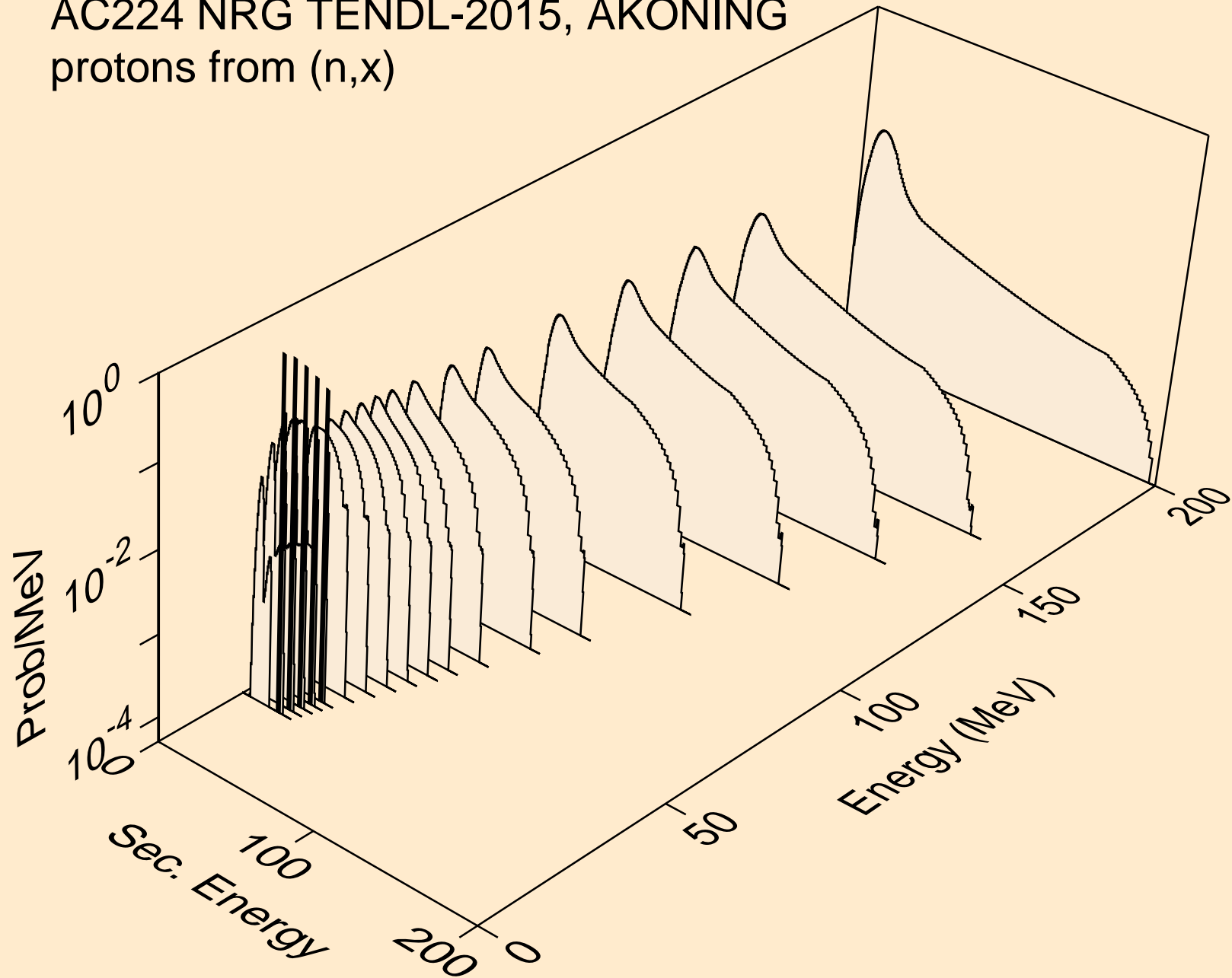


# AC224 NRG TENDL-2015, AKONING

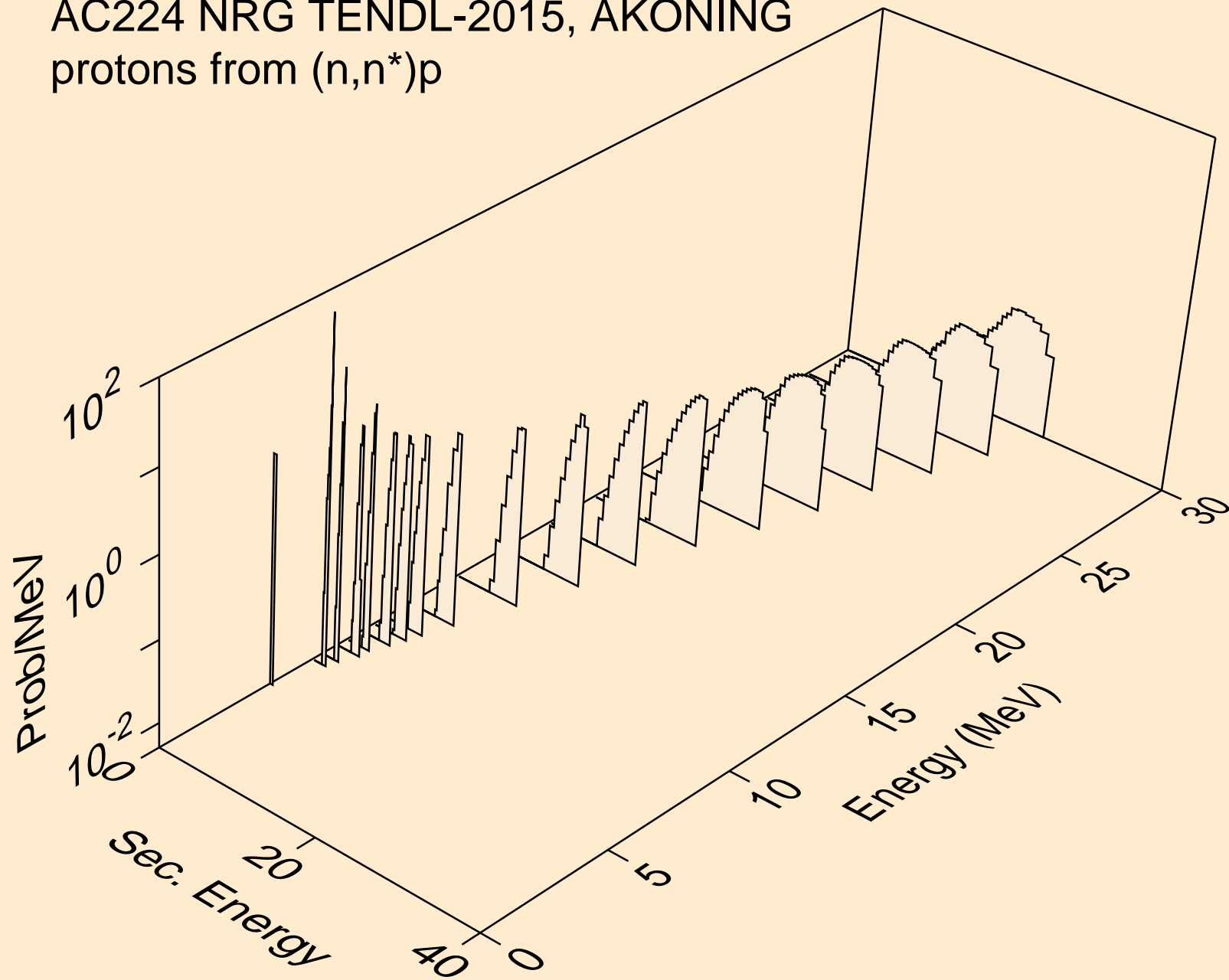
## Particle production cross sections



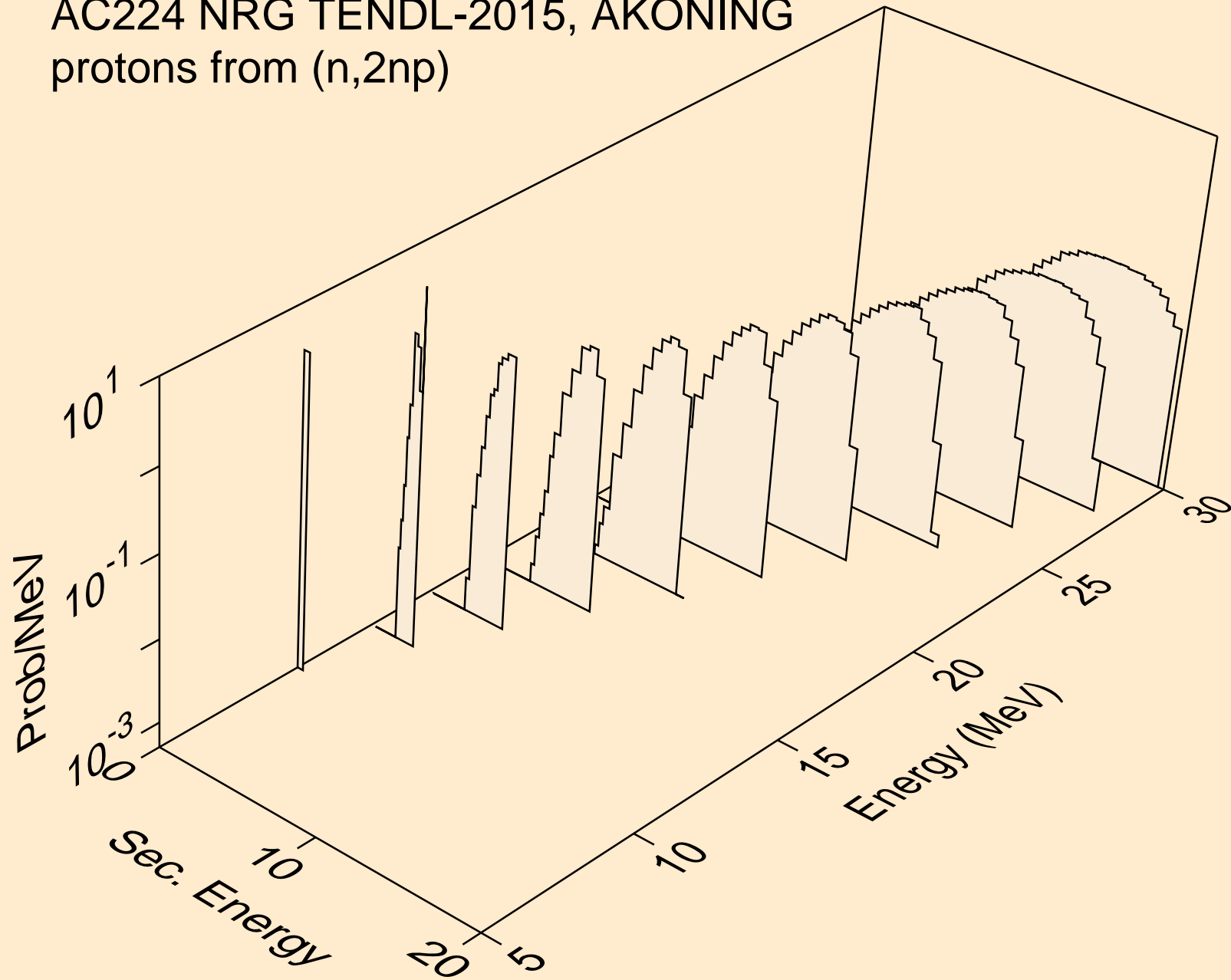
AC224 NRG TENDL-2015, AKONING  
protons from (n,x)



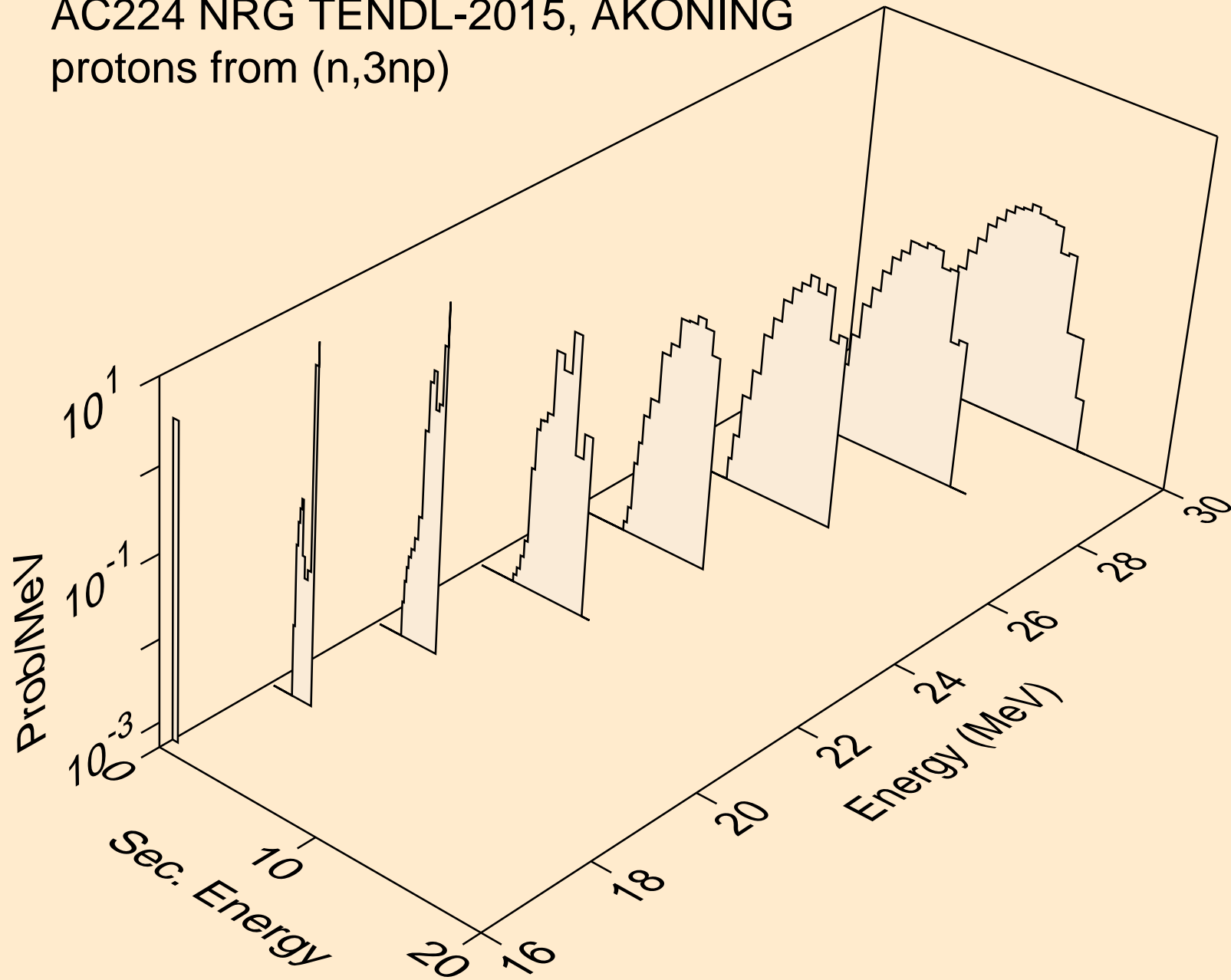
AC224 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



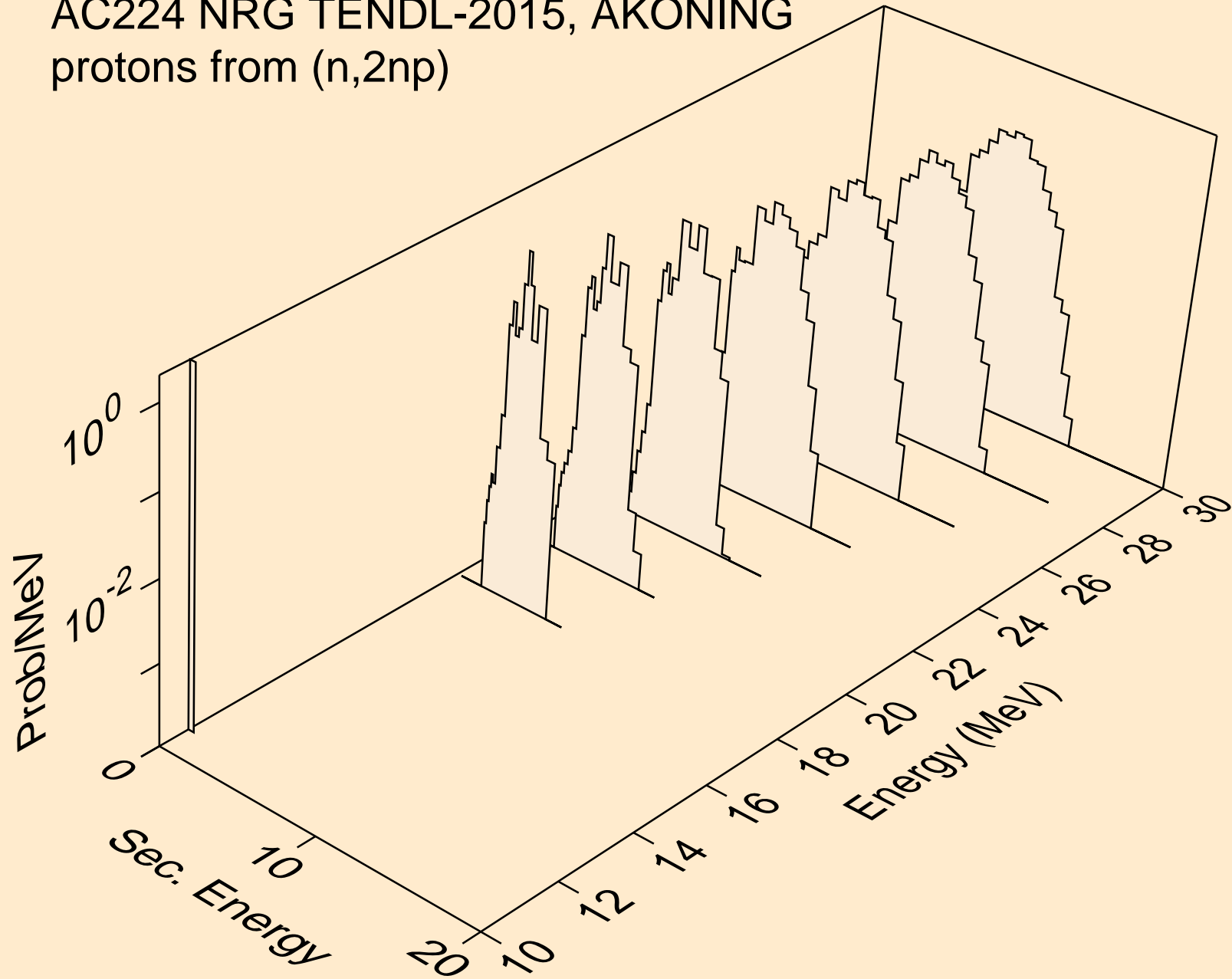
AC224 NRG TENDL-2015, AKONING  
protons from (n,2np)



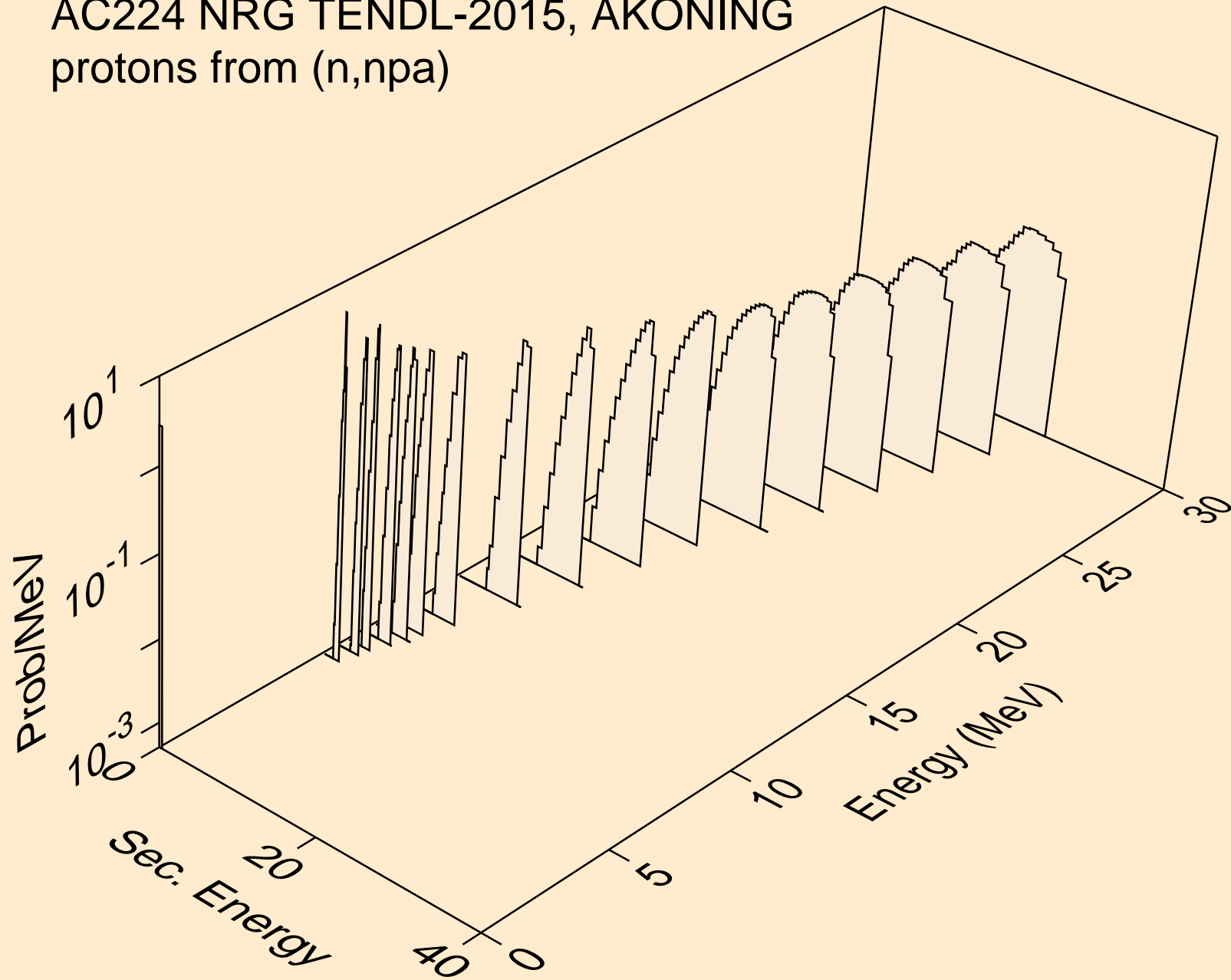
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protons from (n,3np)



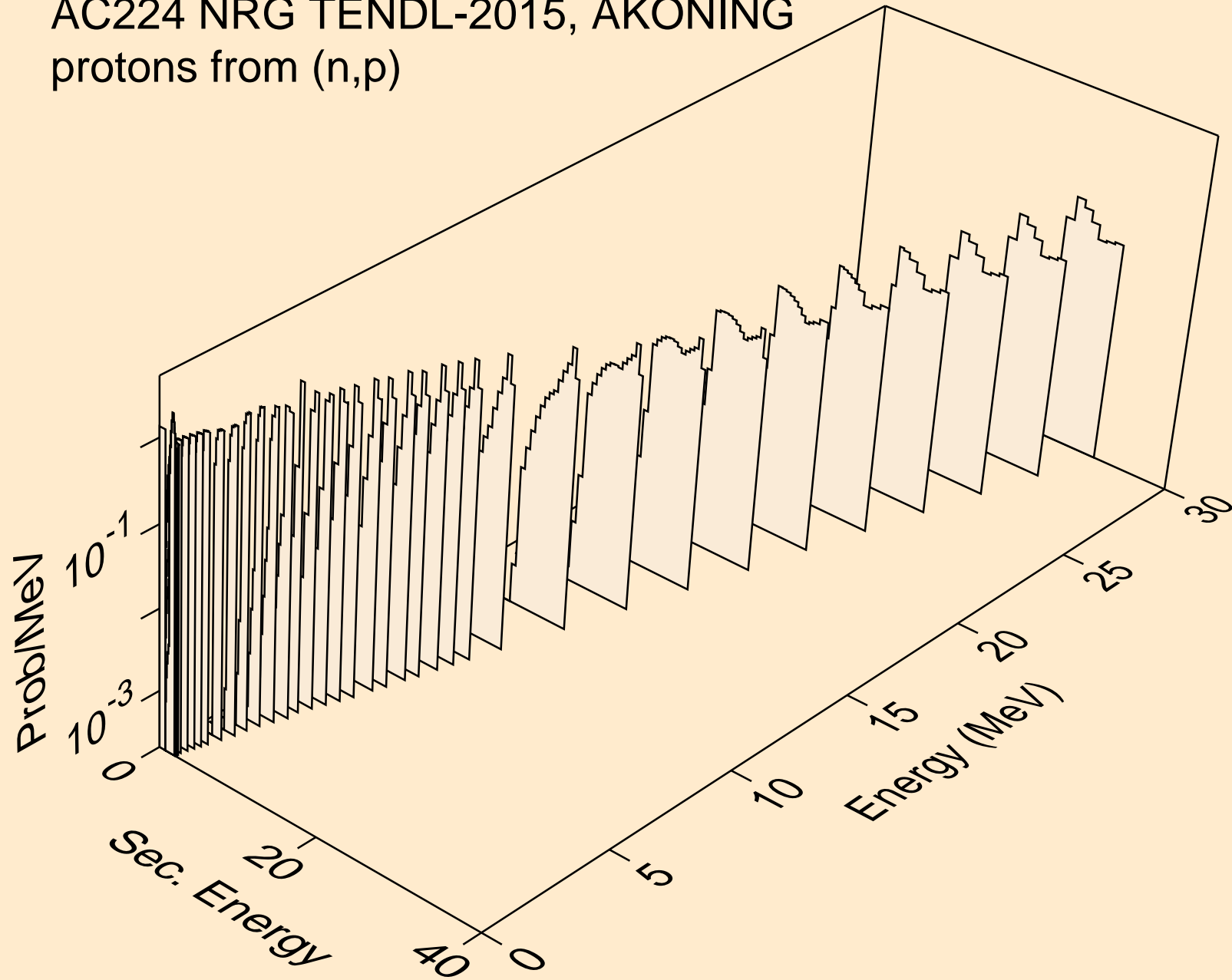
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protons from (n,2np)



AC224 NRG TENDL-2015, AKONING  
protons from (n,npa)

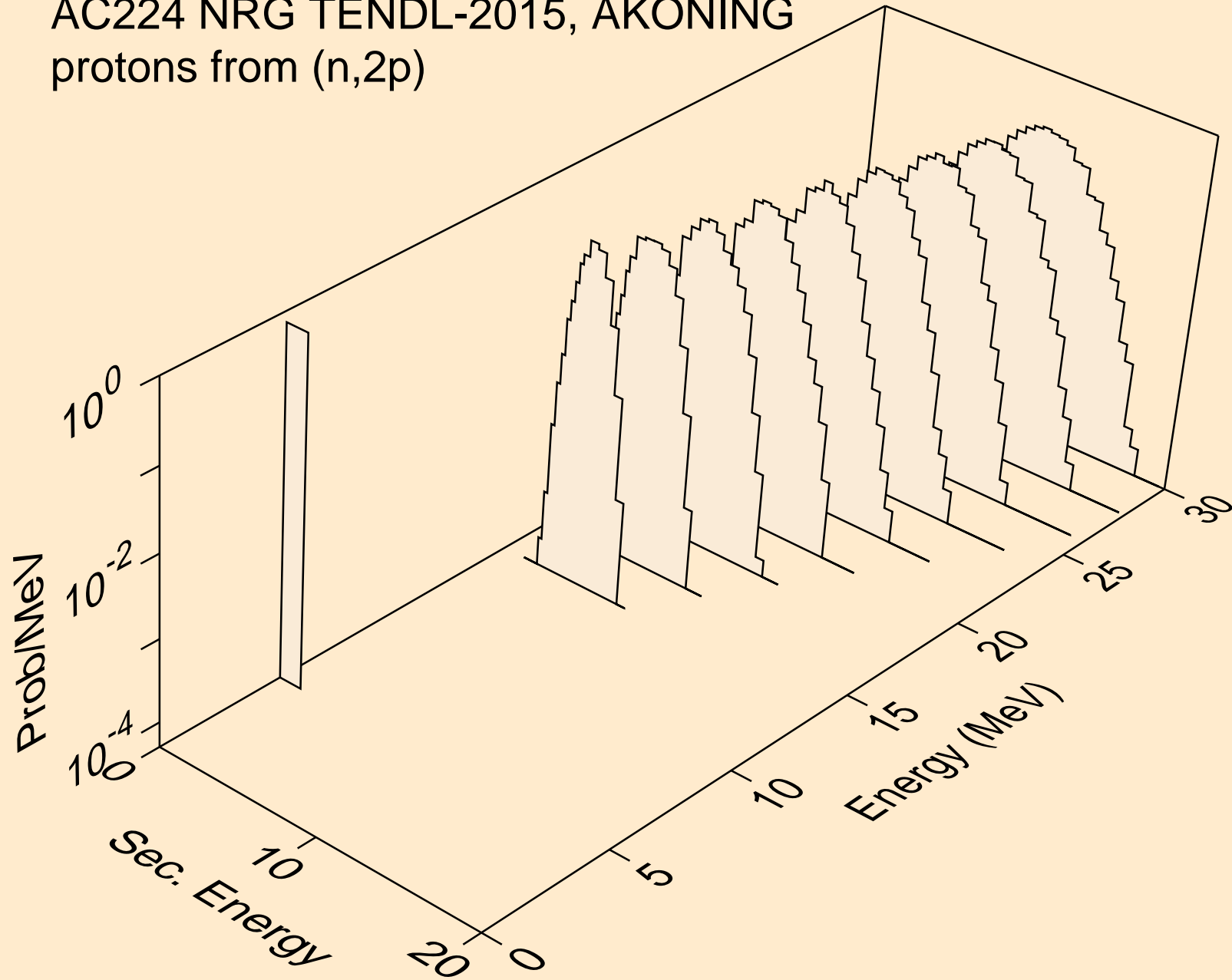


AC224 NRG TENDL-2015, AKONING  
protons from (n,p)

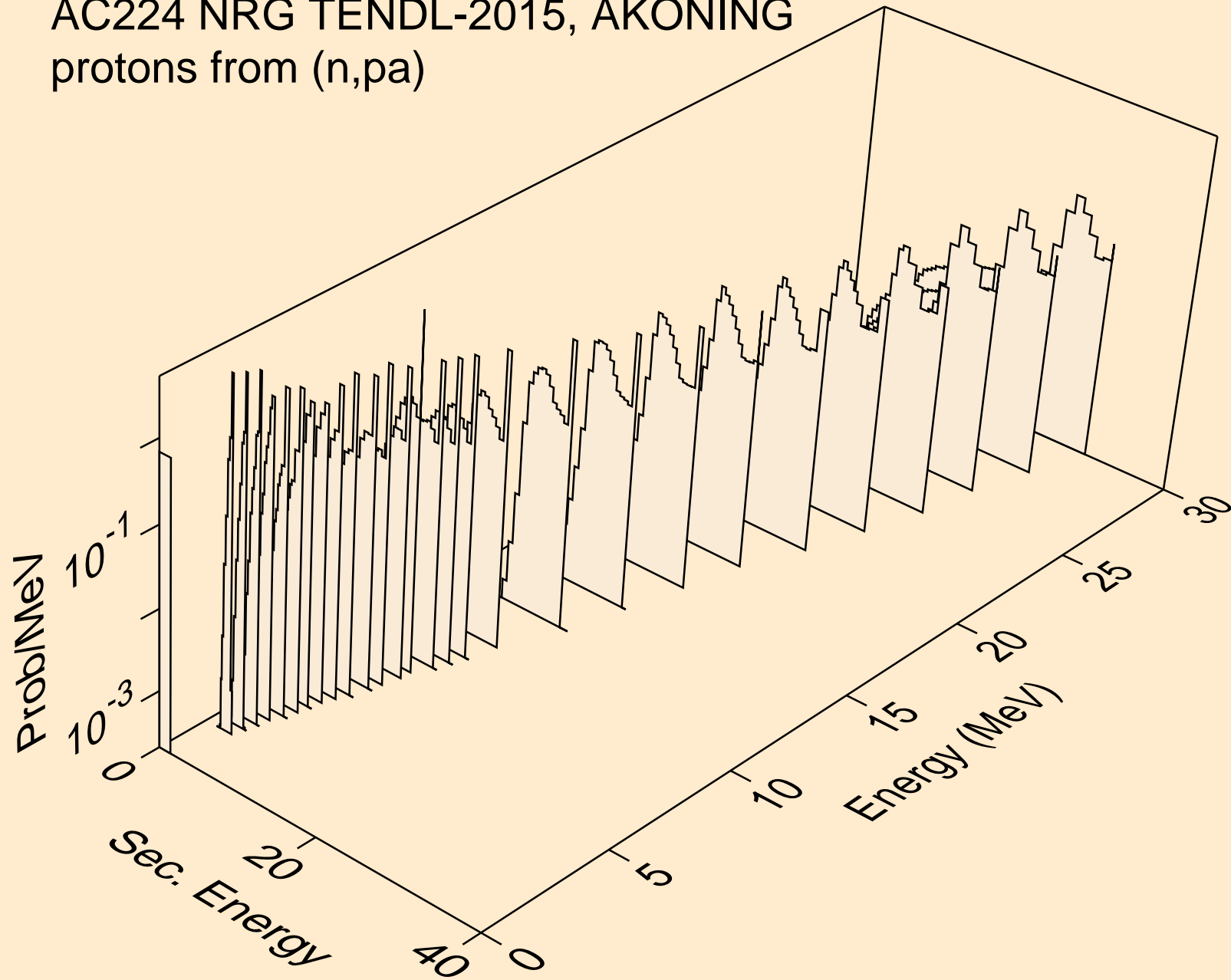




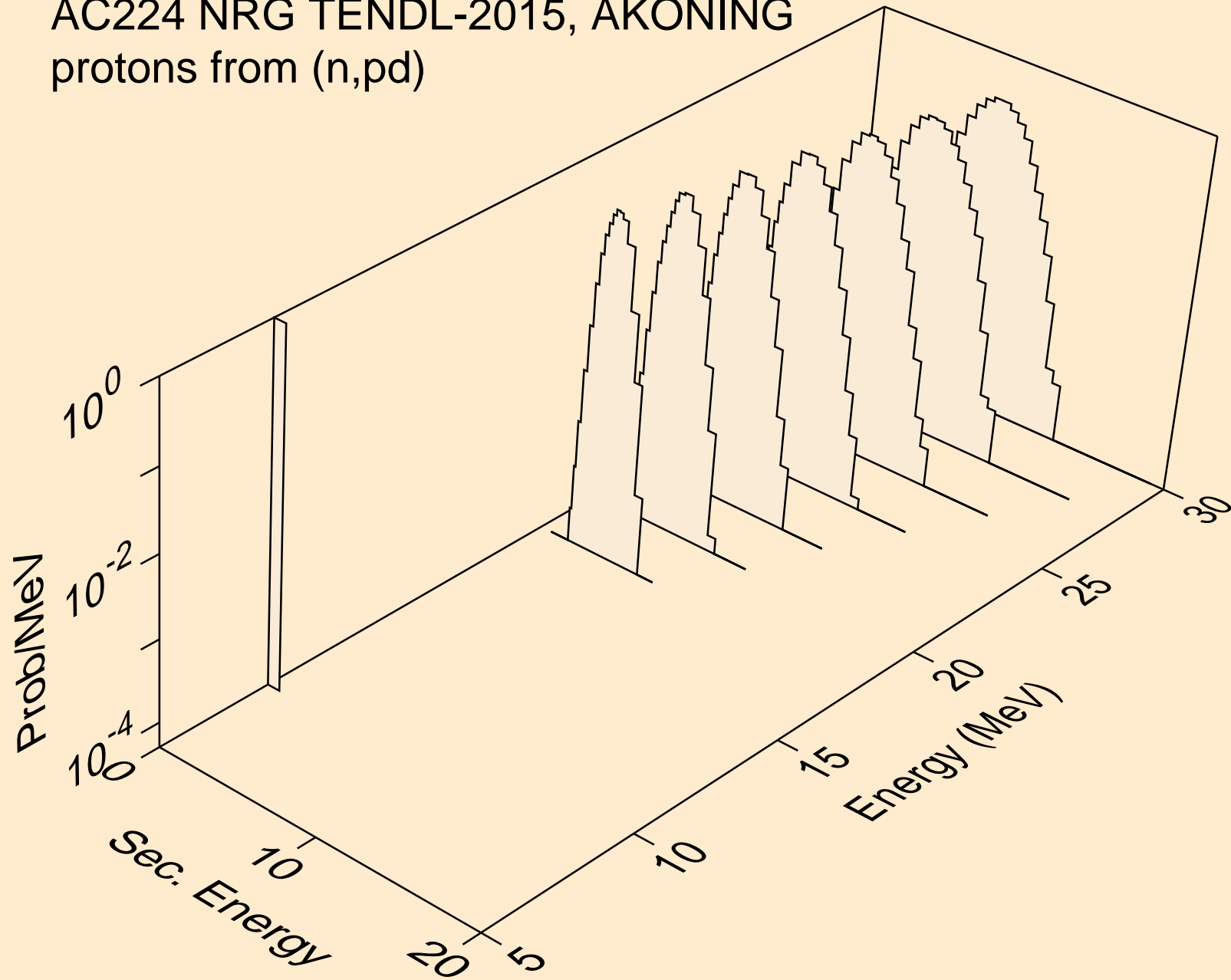
AC224 NRG TENDL-2015, AKONING  
protons from (n,2p)



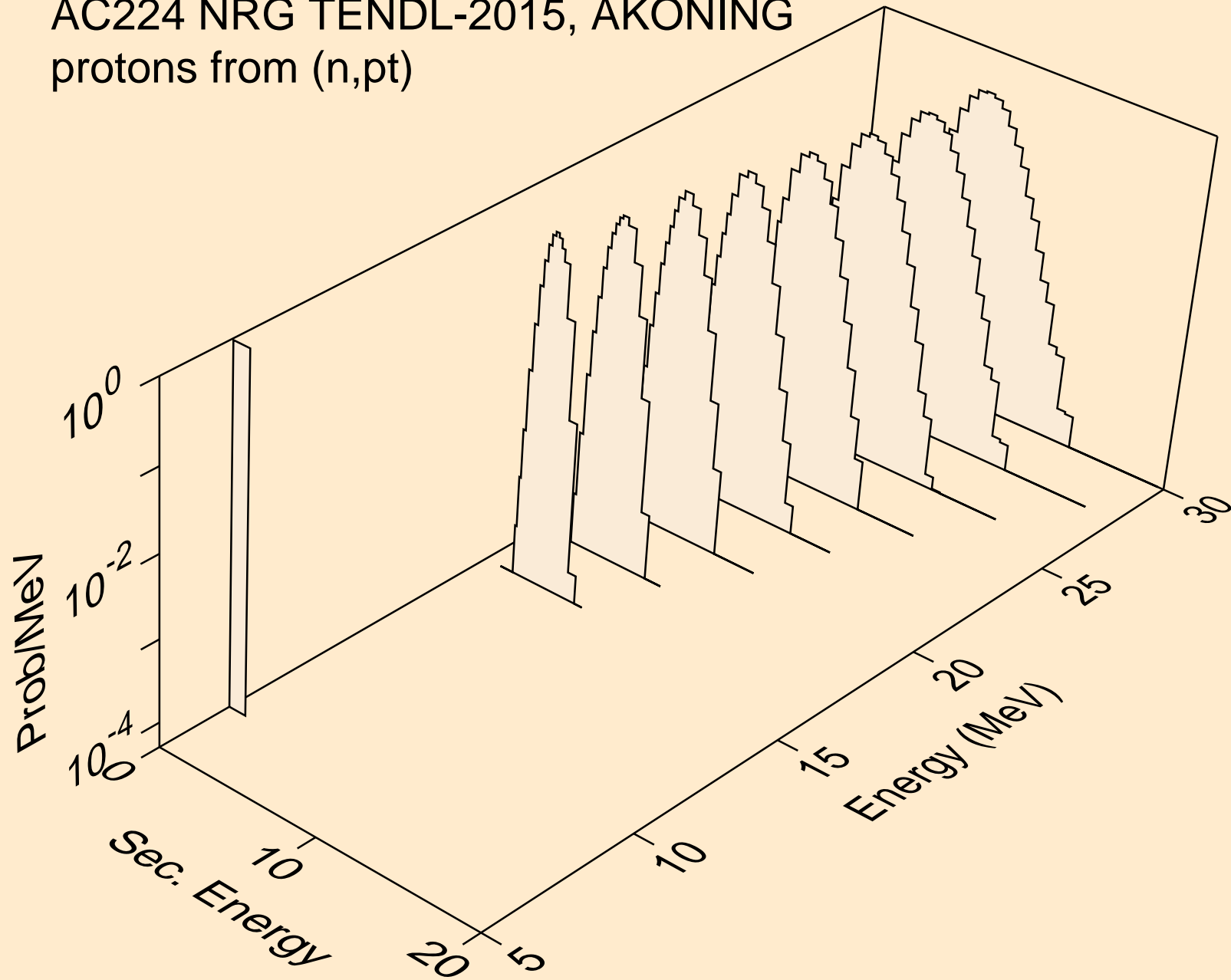
AC224 NRG TENDL-2015, AKONING  
protons from (n,pa)



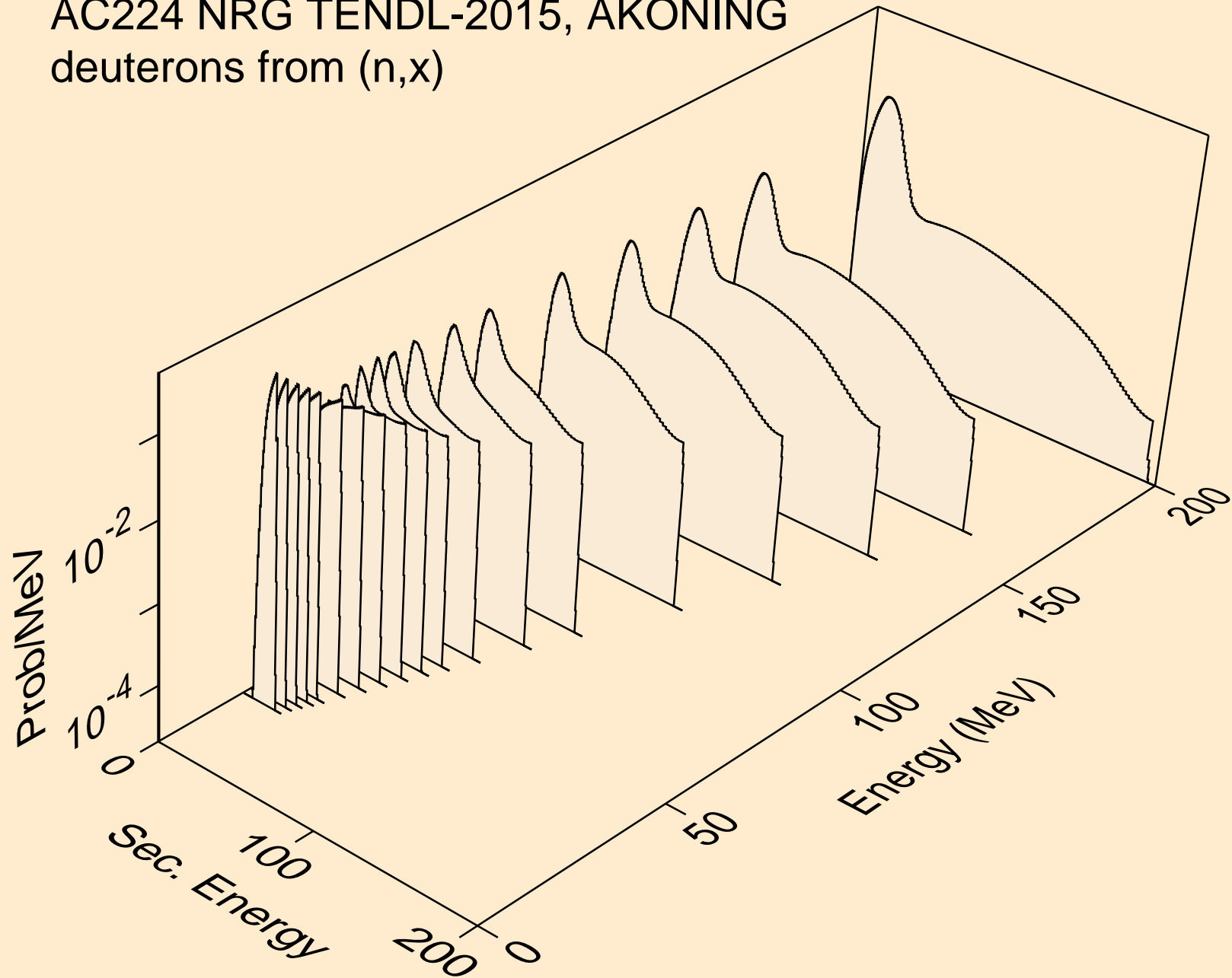
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protons from (n,pd)



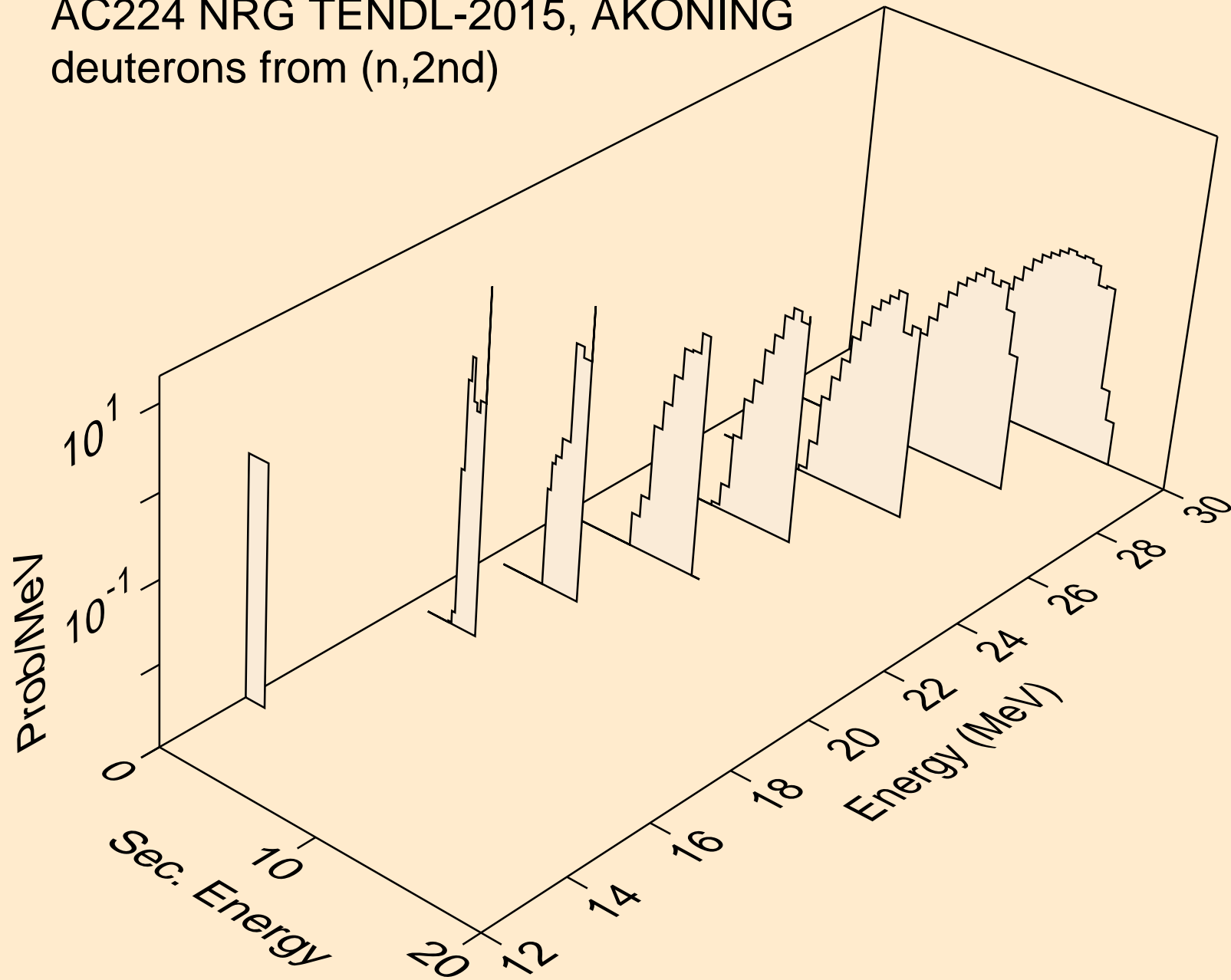
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protons from (n,pt)



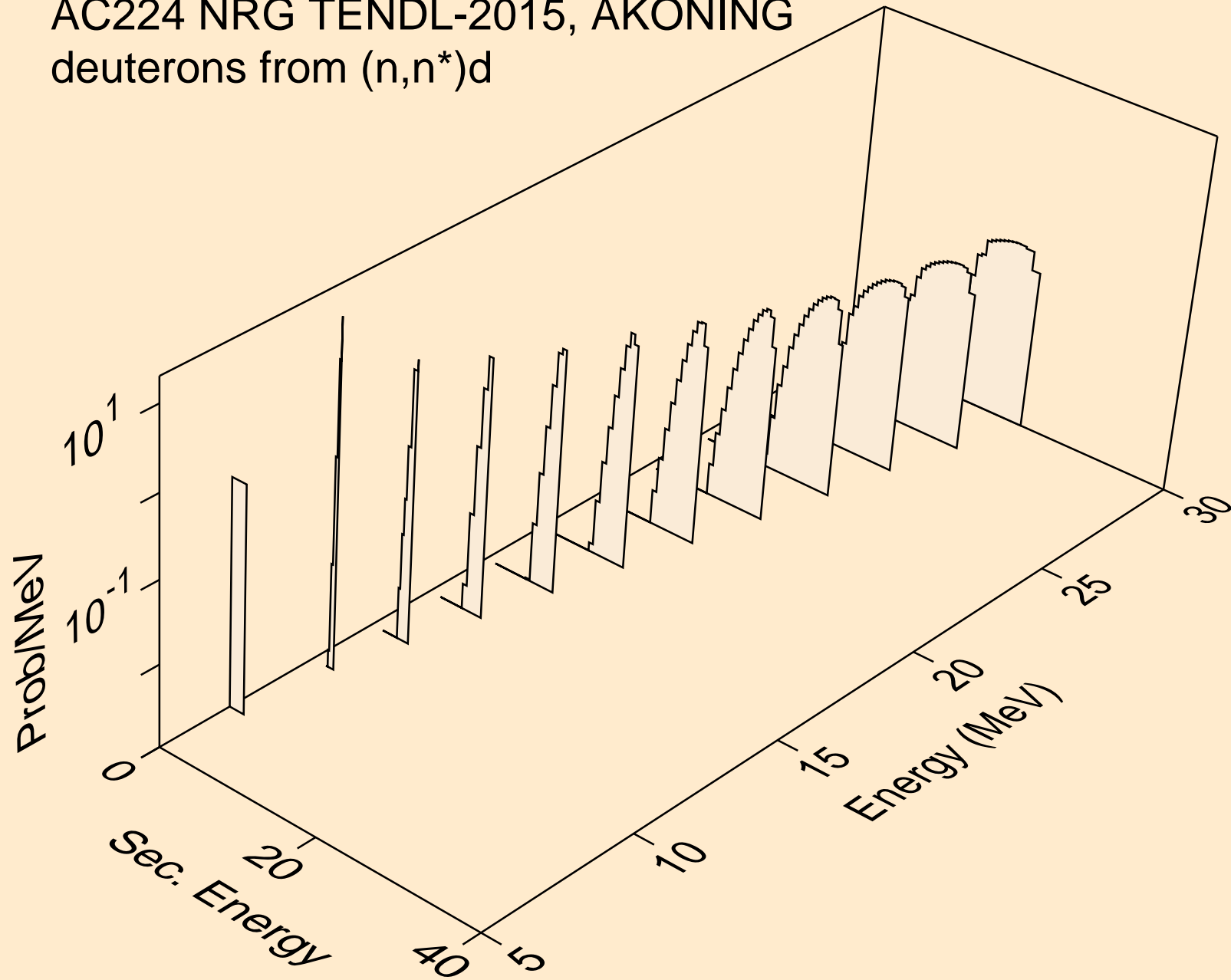
AC224 NRG TENDL-2015, AKONING  
deuterons from (n,x)



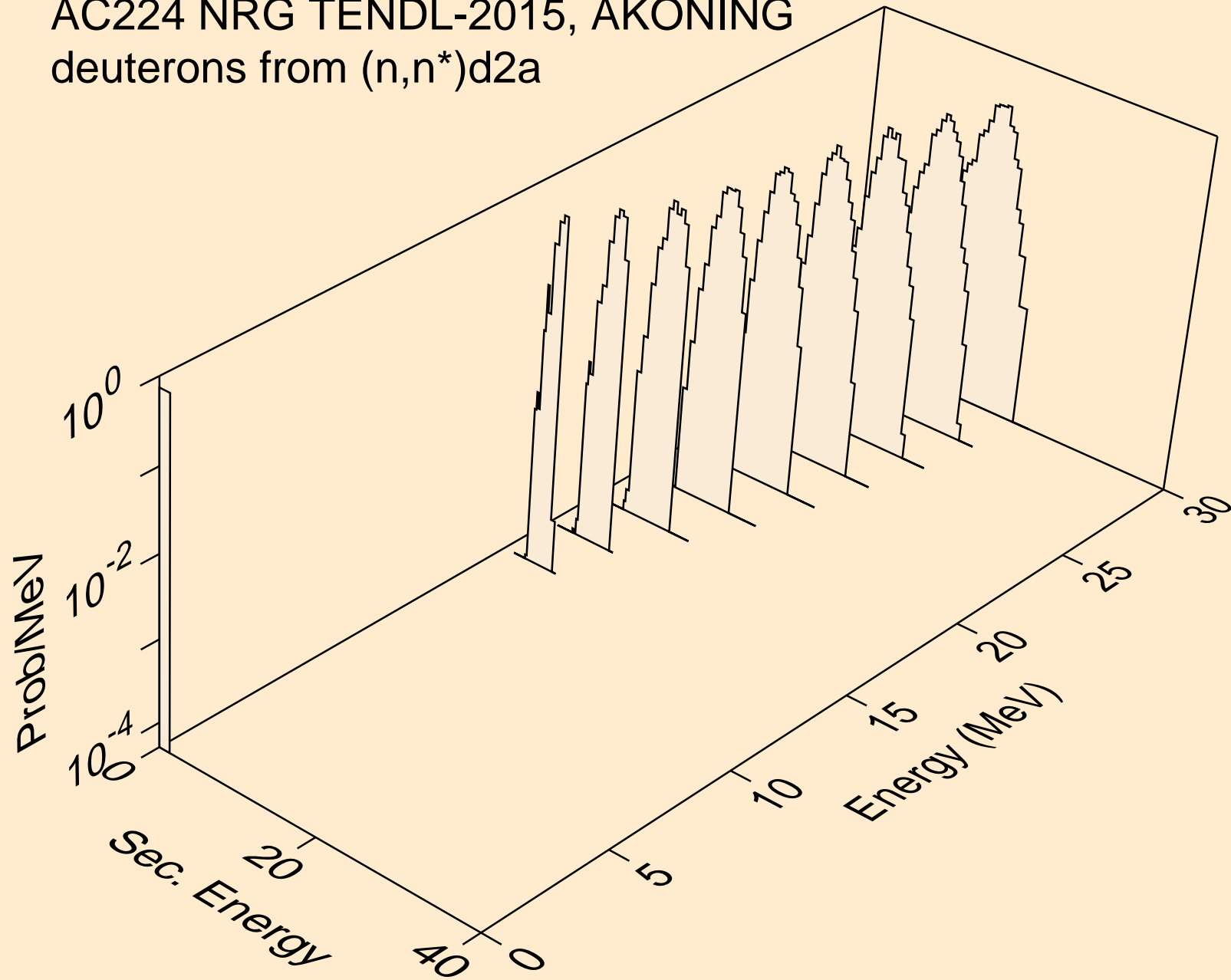
AC224 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



AC224 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d

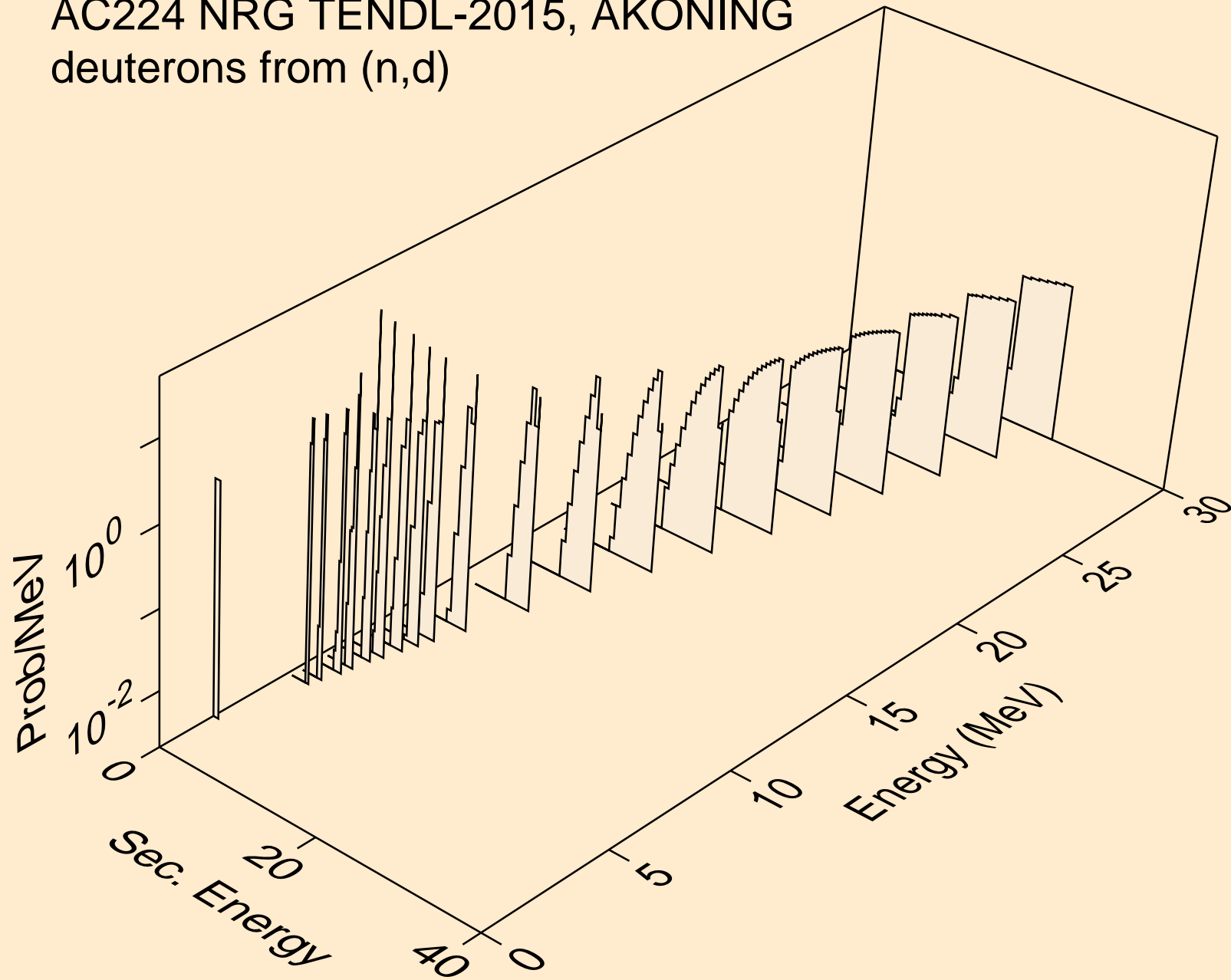


AC224 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a

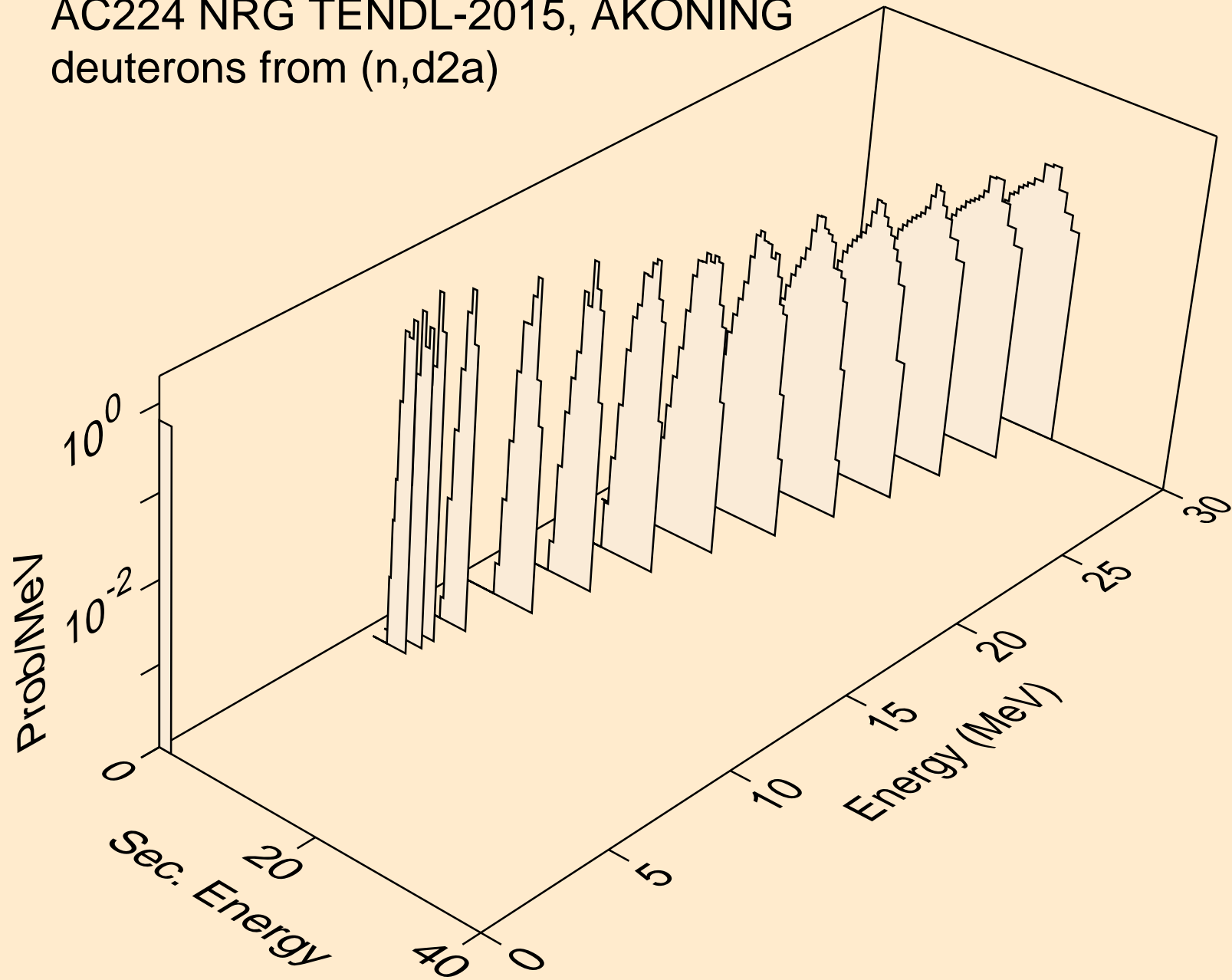




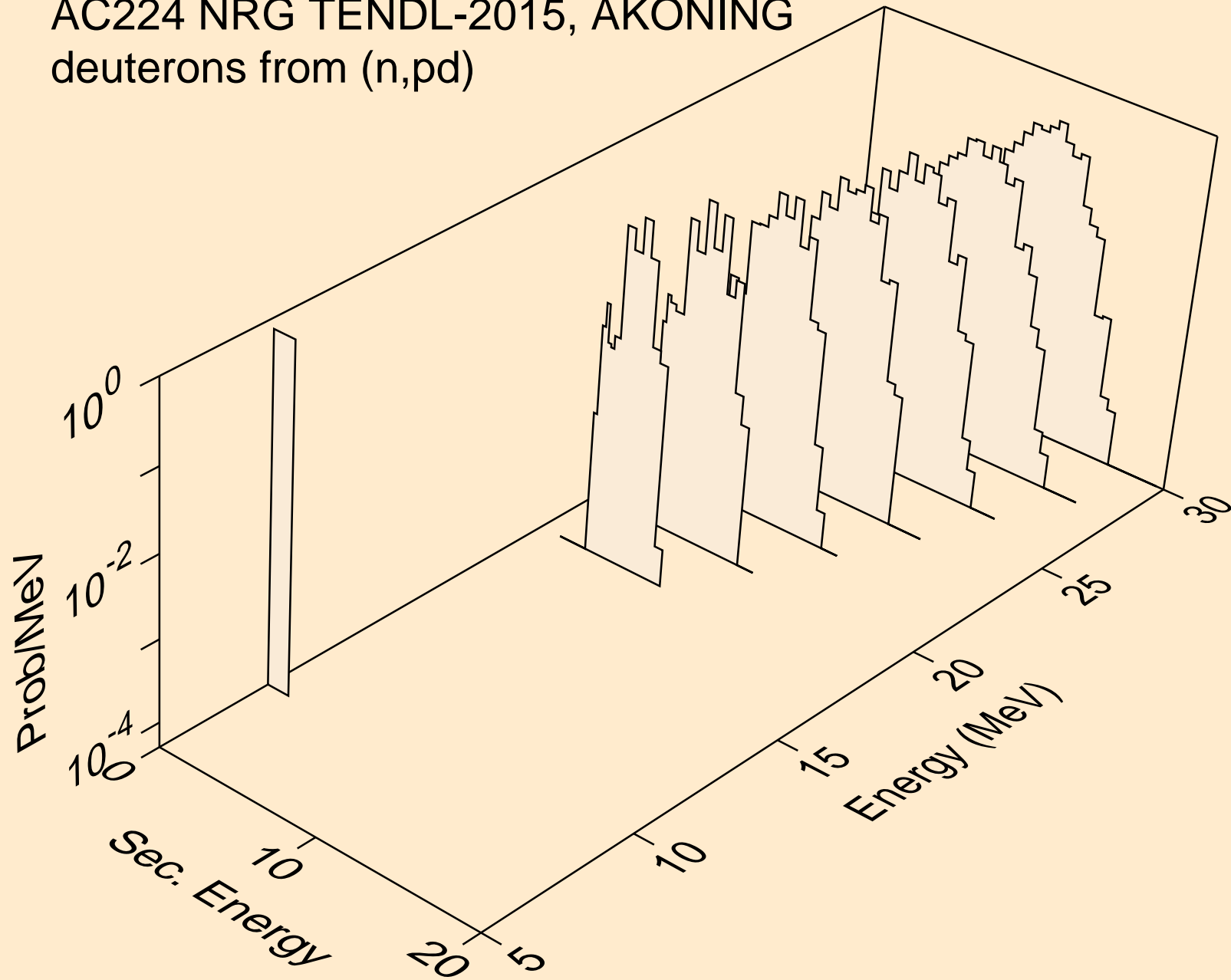
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deuterons from (n,d)



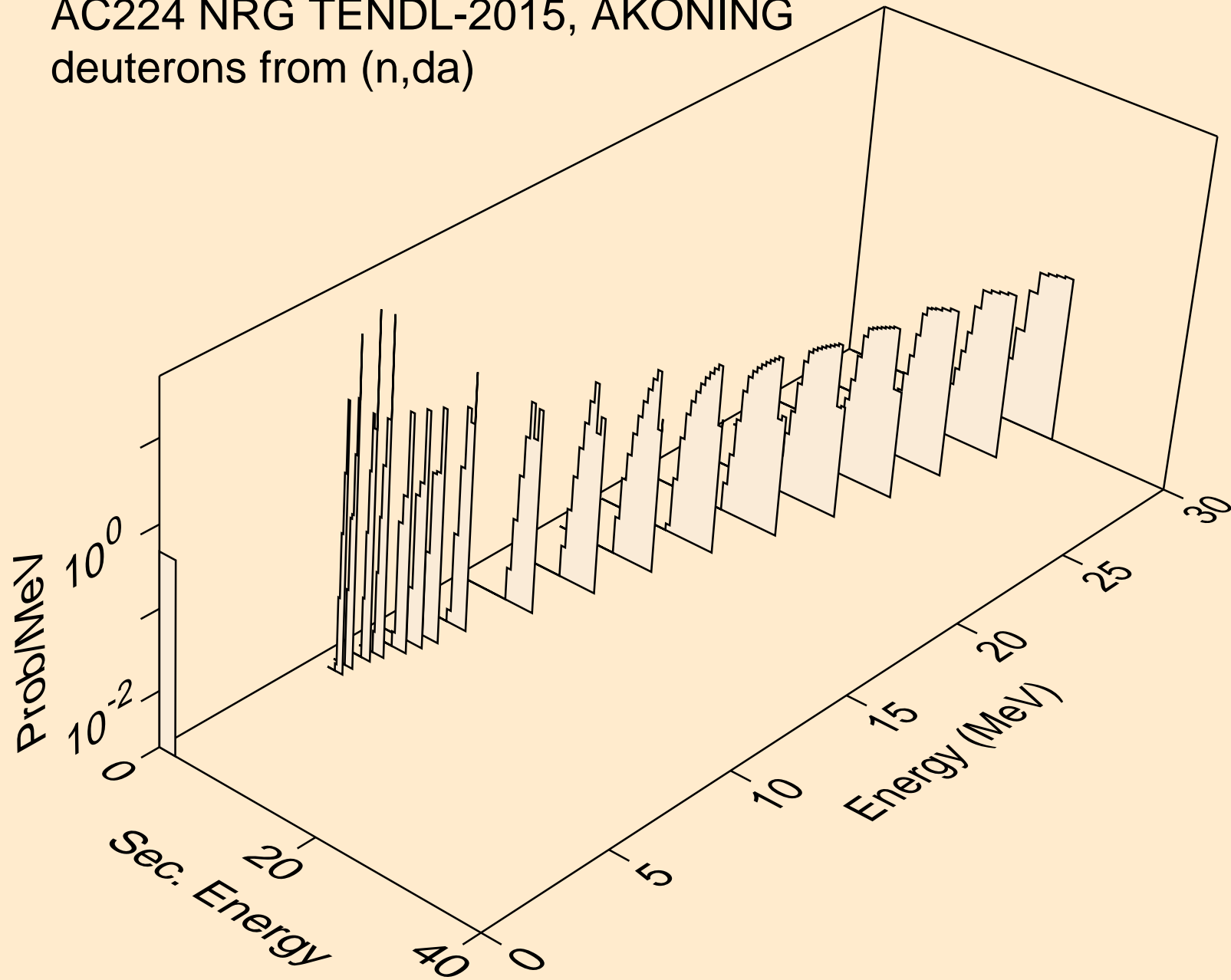
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deuterons from (n,d2a)



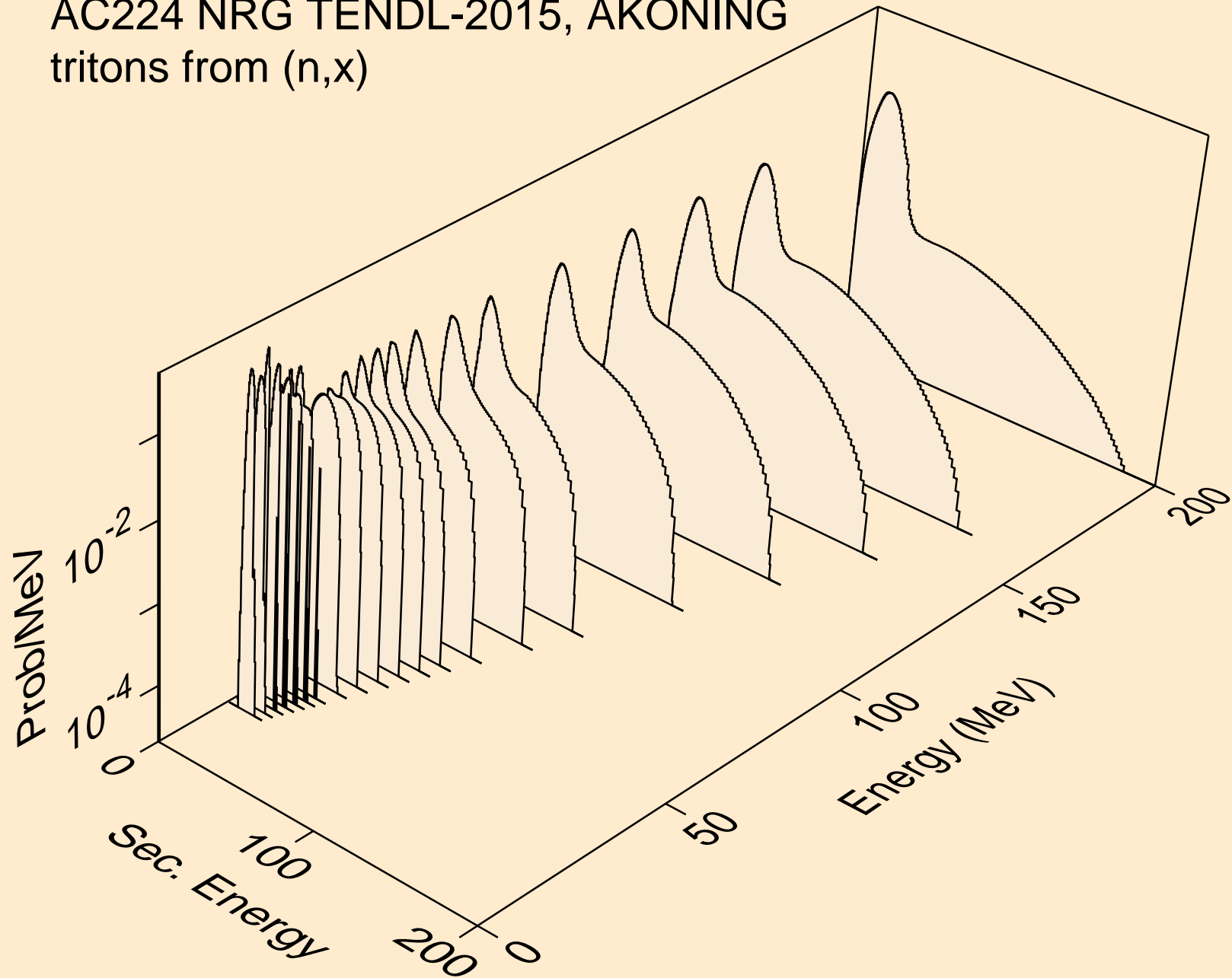
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deuterons from (n,pd)



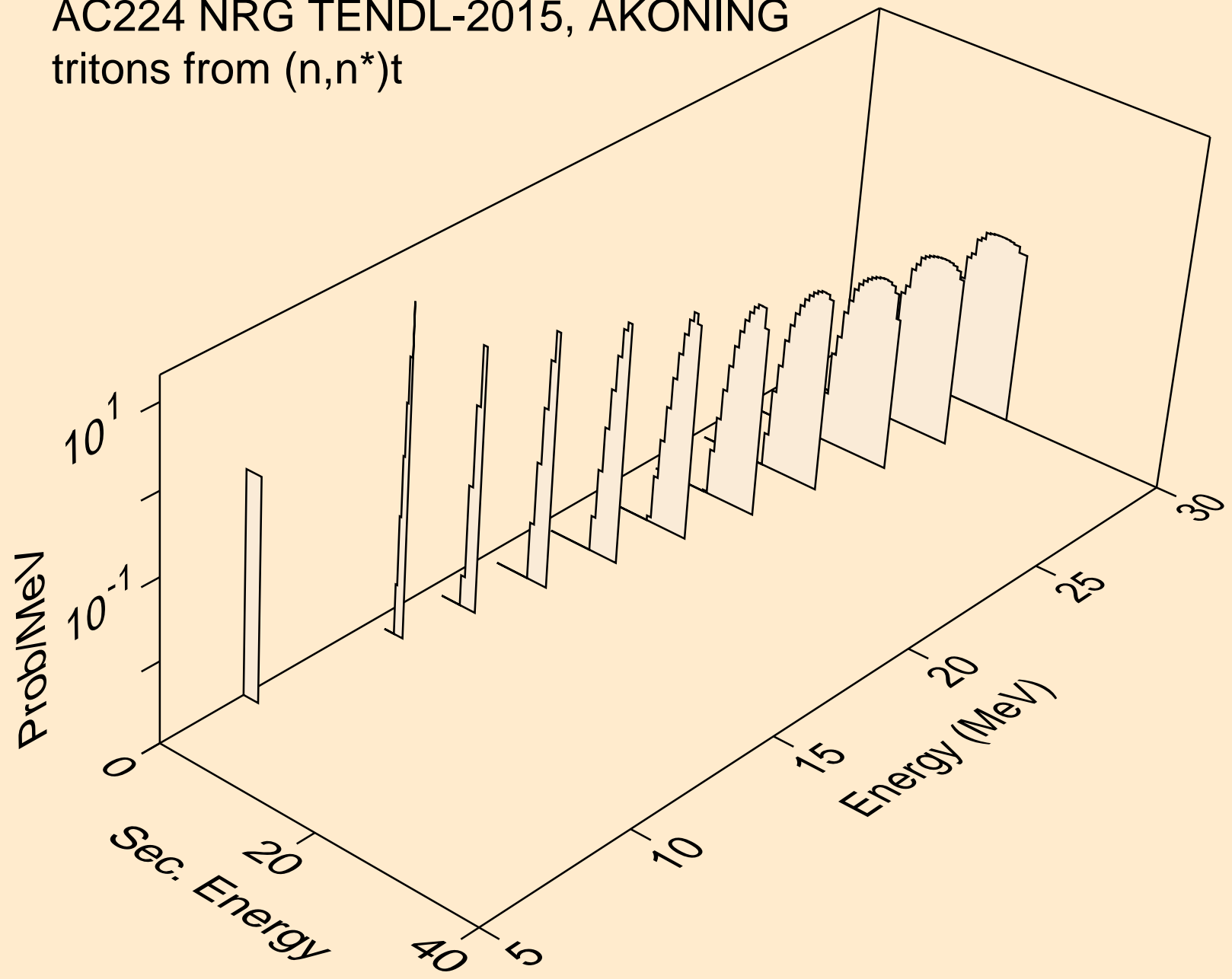
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deuterons from (n,da)



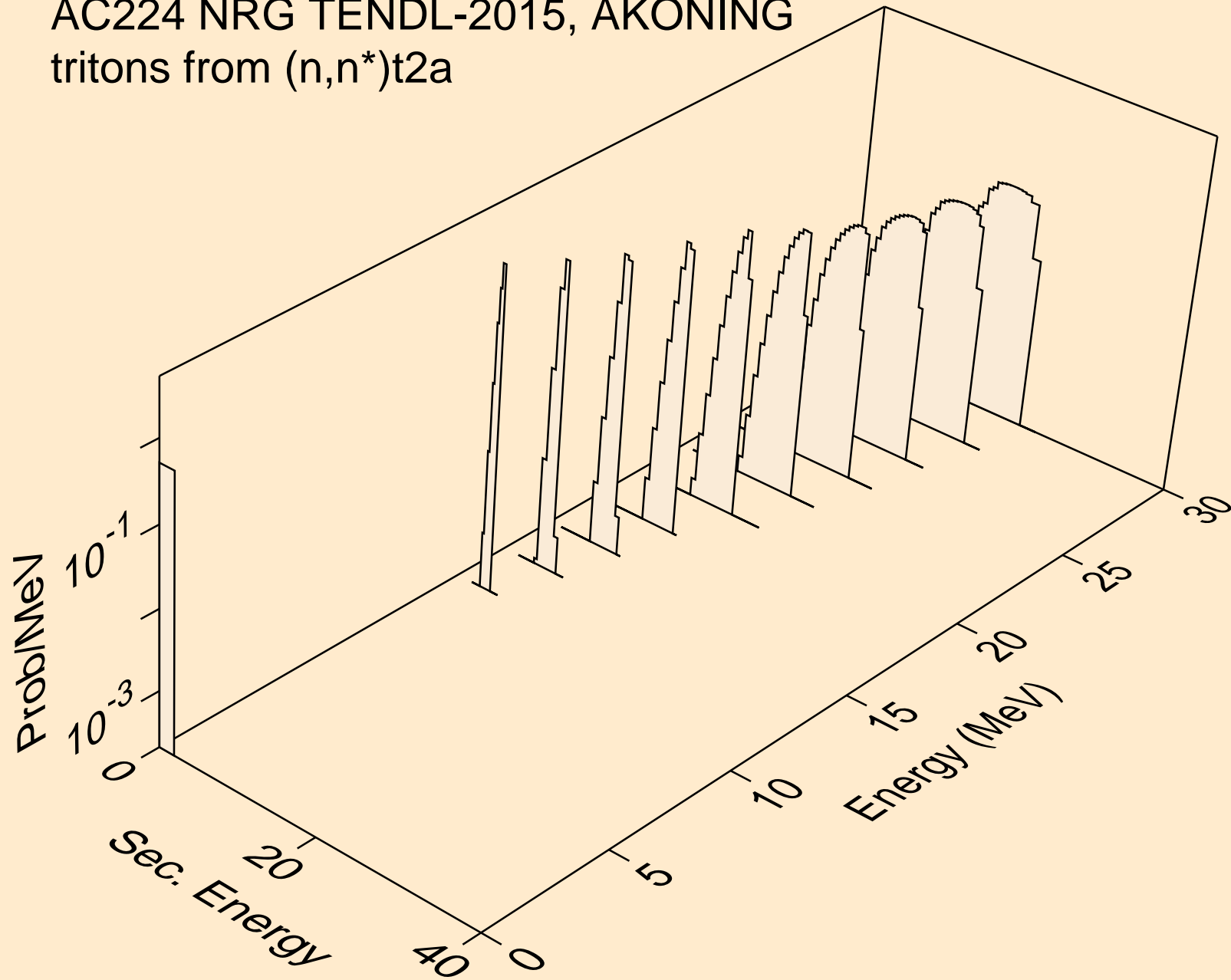
AC224 NRG TENDL-2015, AKONING  
tritons from (n,x)



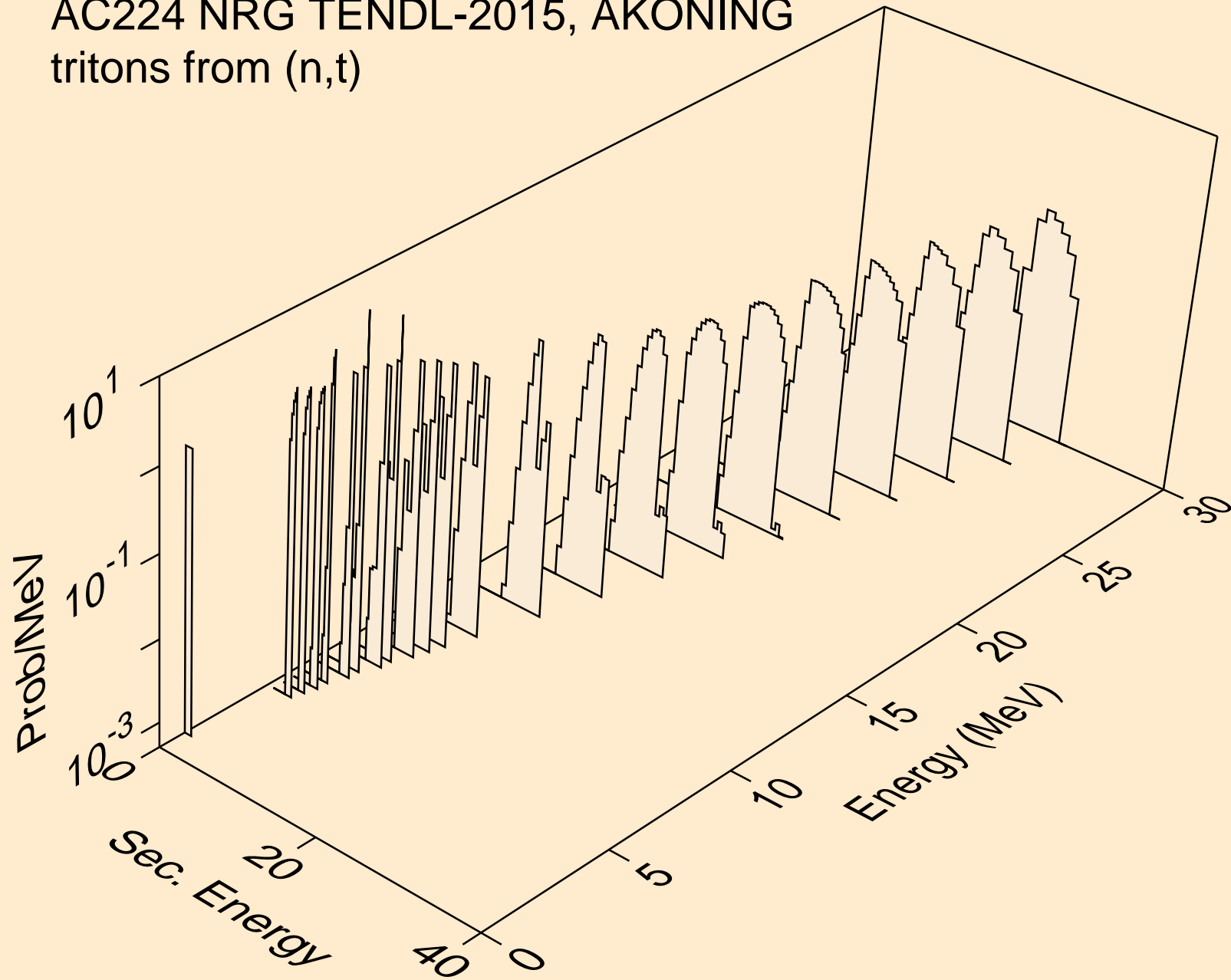
AC224 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



AC224 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a

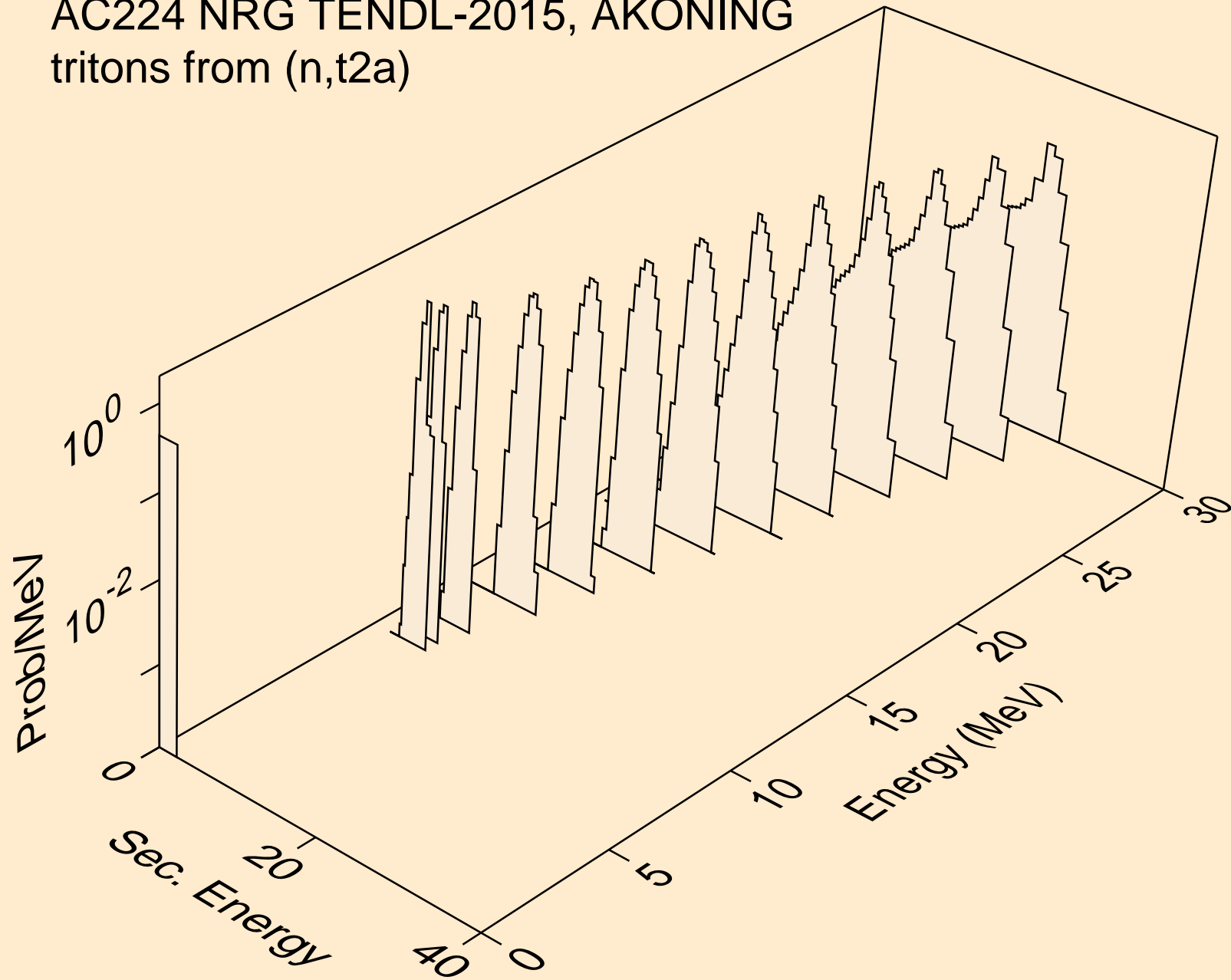


AC224 NRG TENDL-2015, AKONING  
tritons from (n,t)

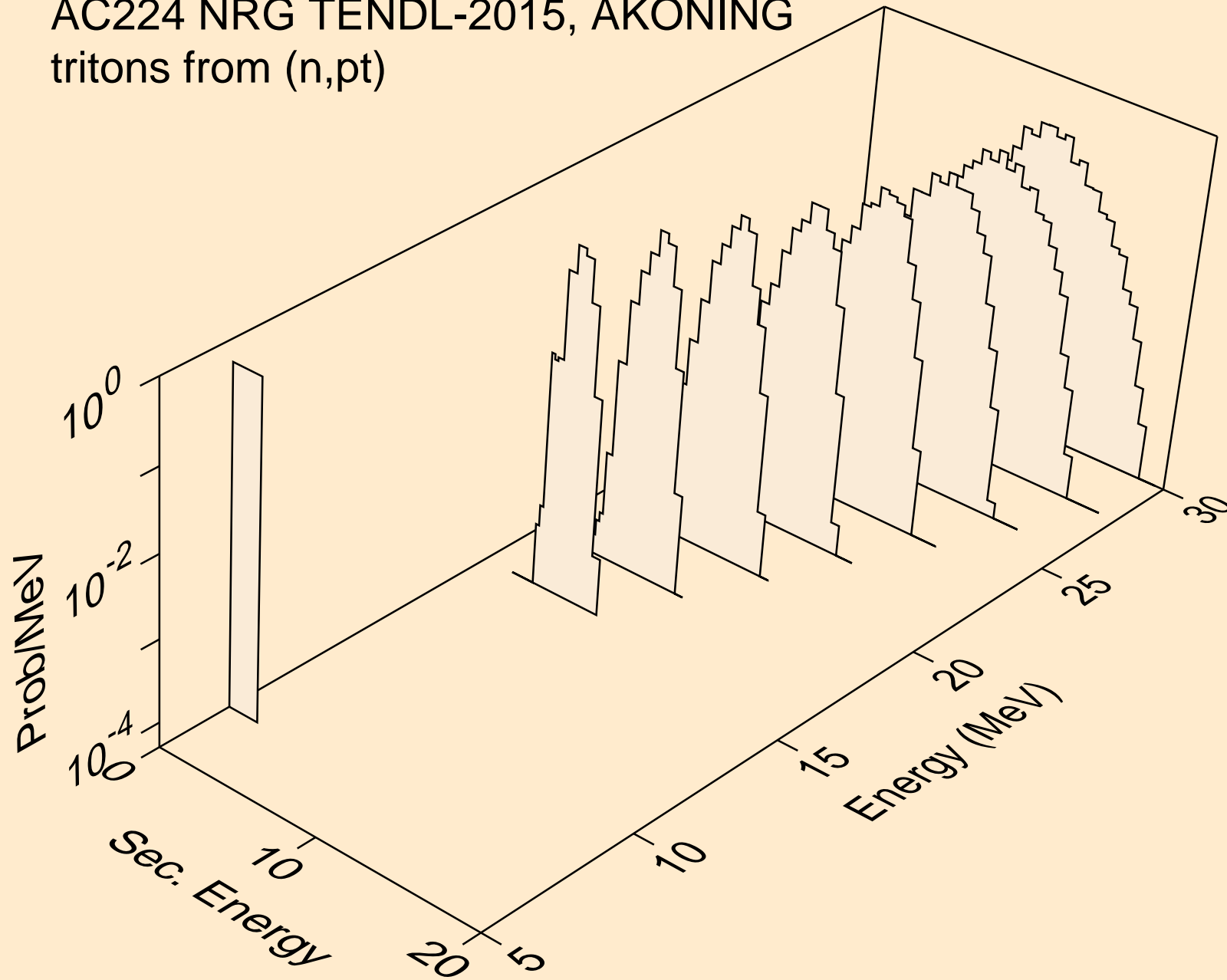




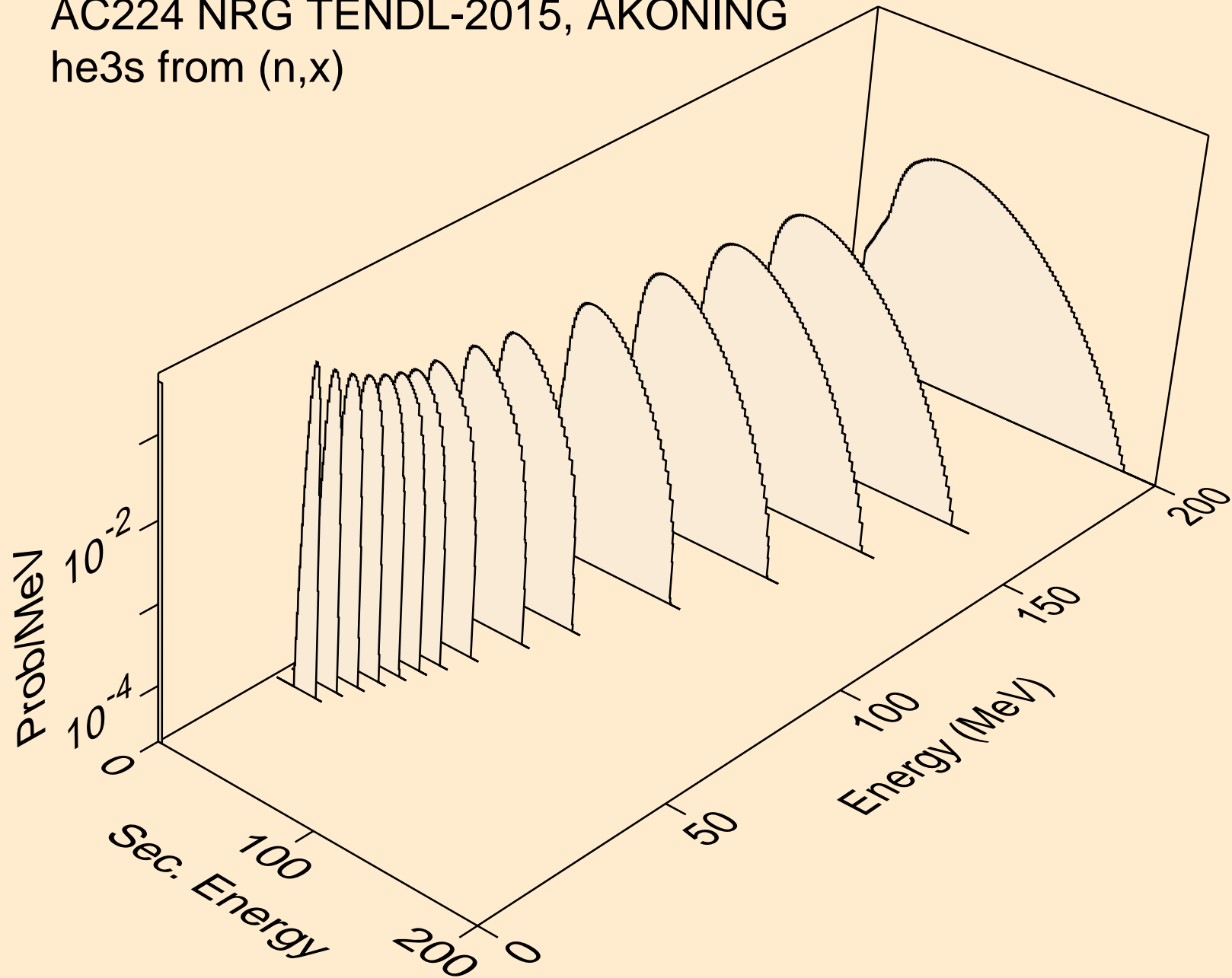
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tritons from (n,t2a)



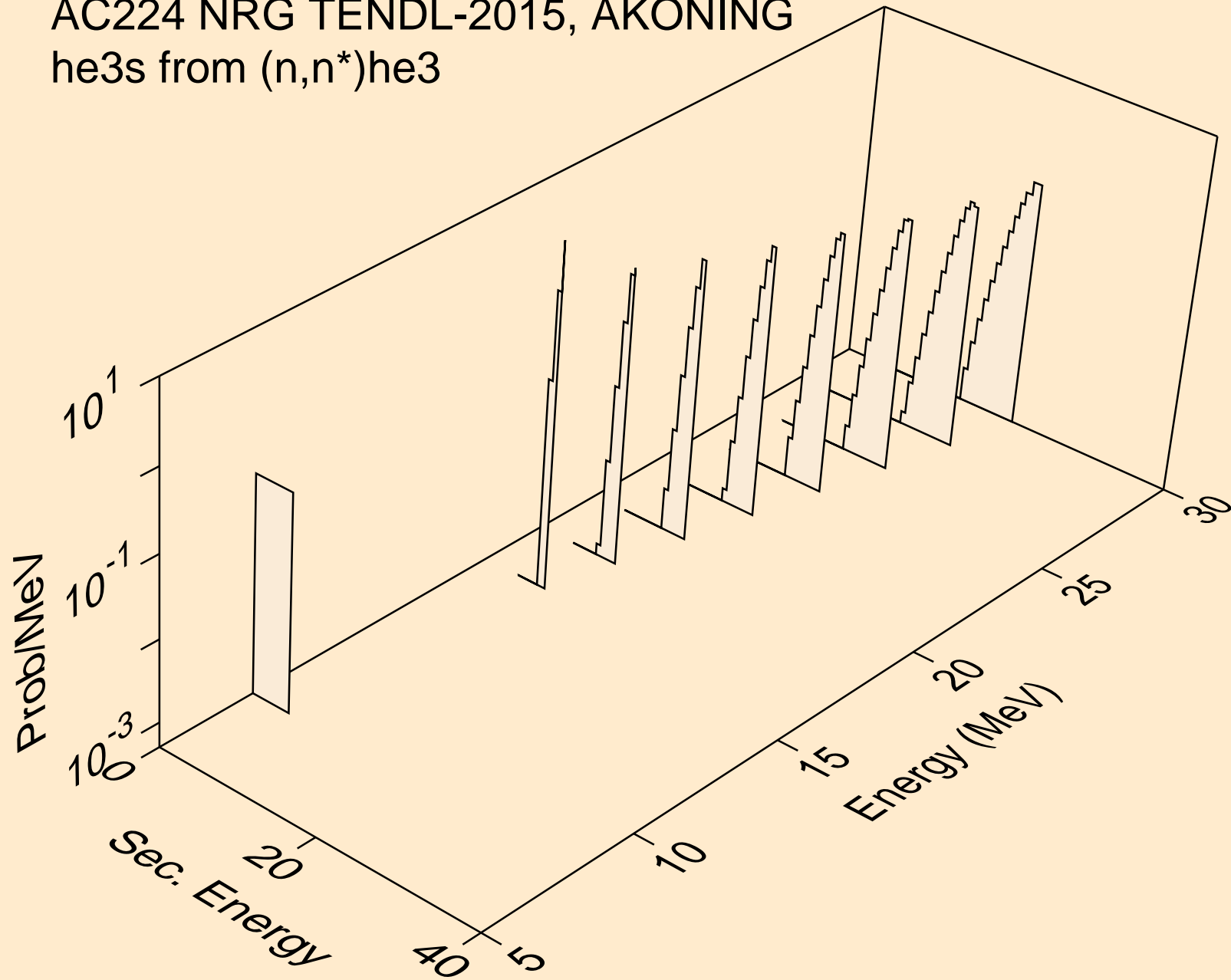
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tritons from (n,pt)



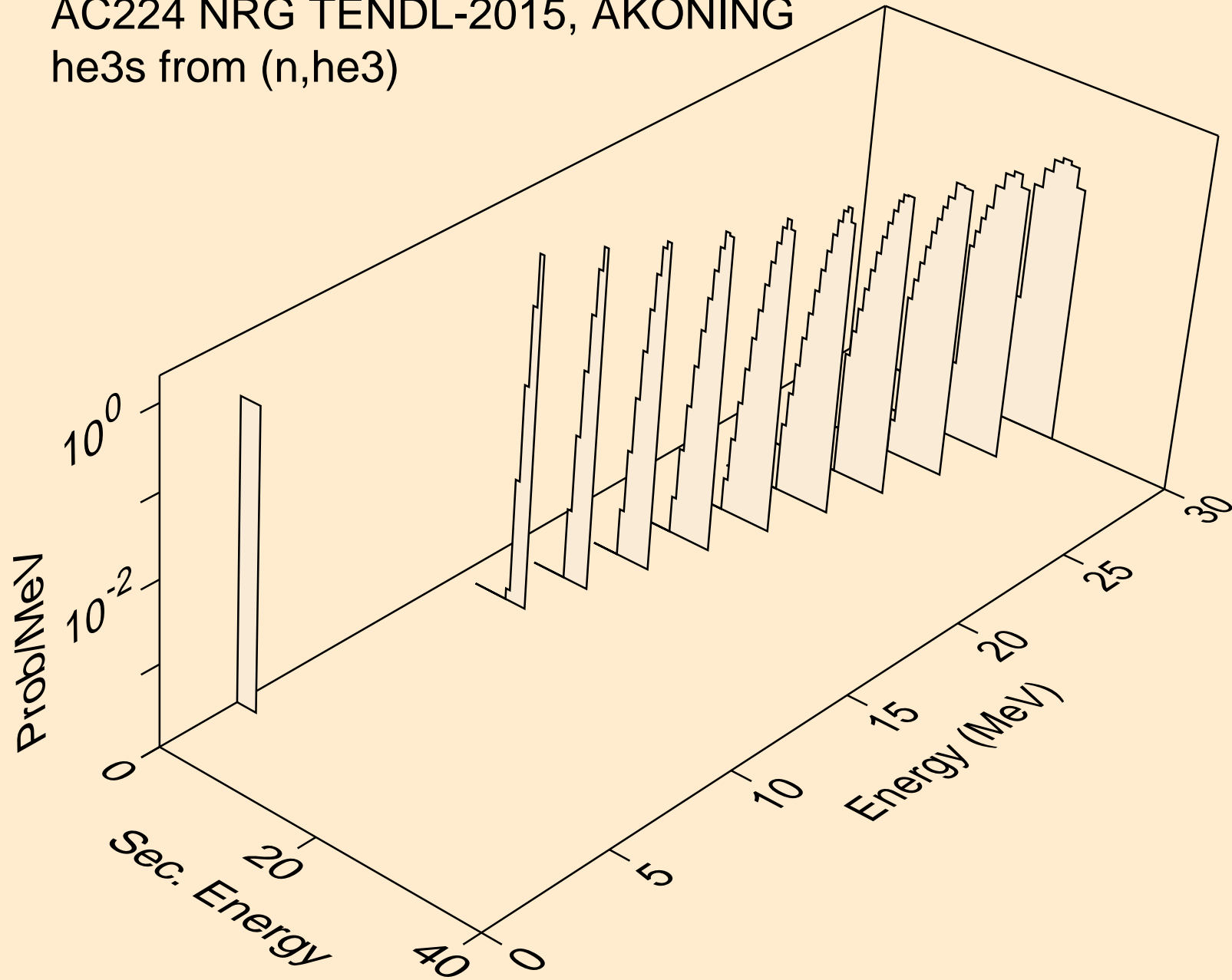
AC224 NRG TENDL-2015, AKONING  
he3s from (n,x)



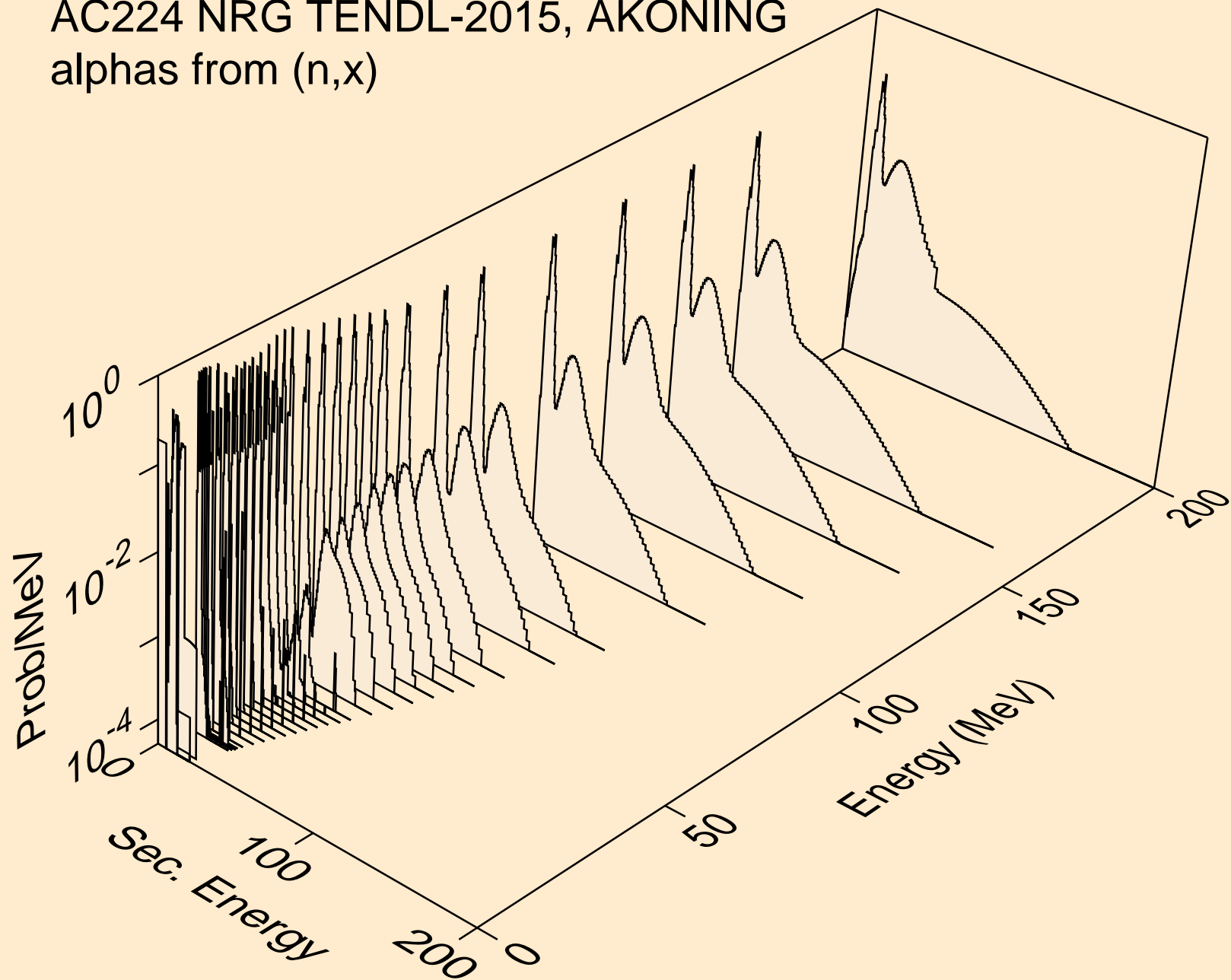
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he3s from (n,n\*)he3



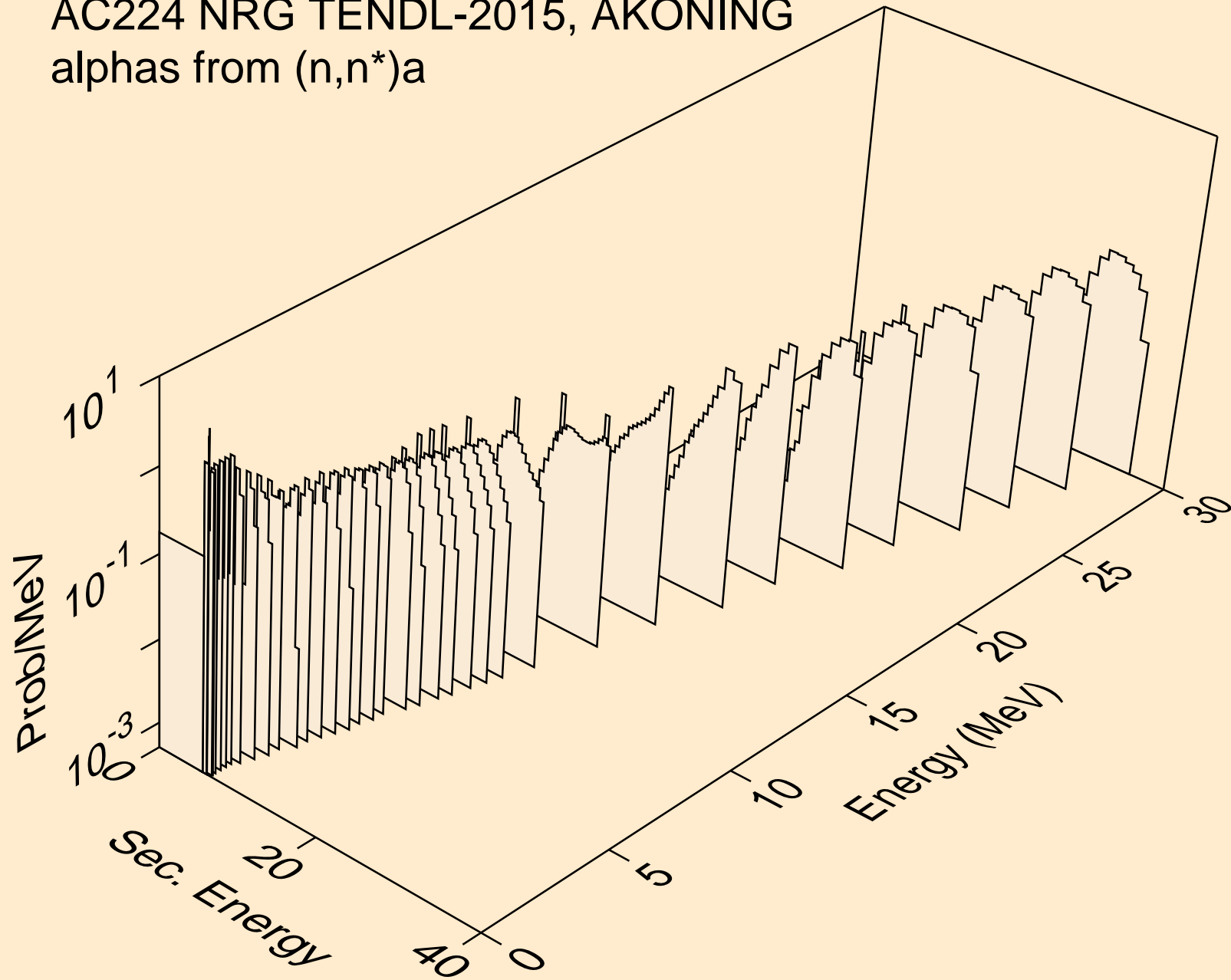
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he3s from (n,he3)



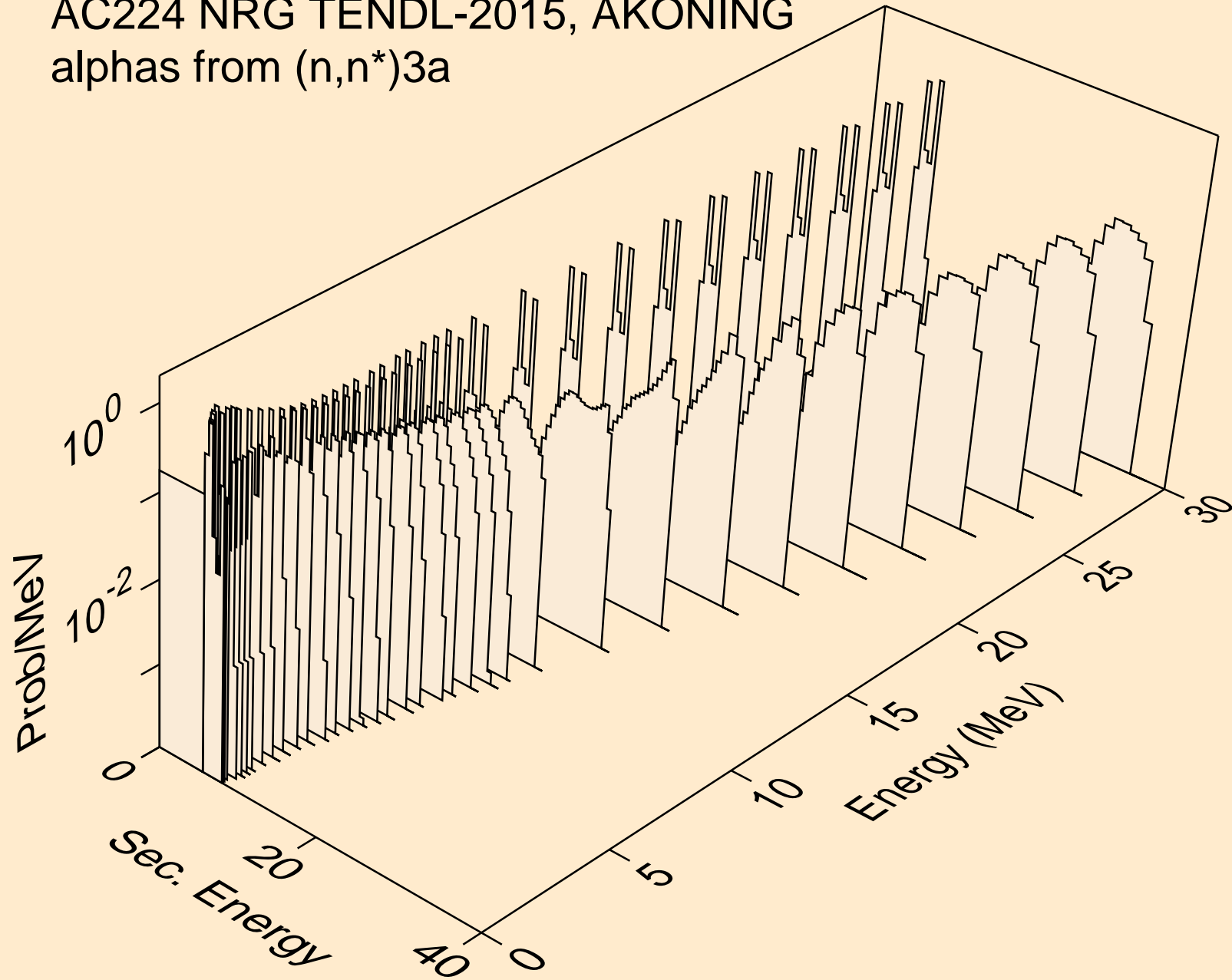
AC224 NRG TENDL-2015, AKONING  
alphas from (n,x)



AC224 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a

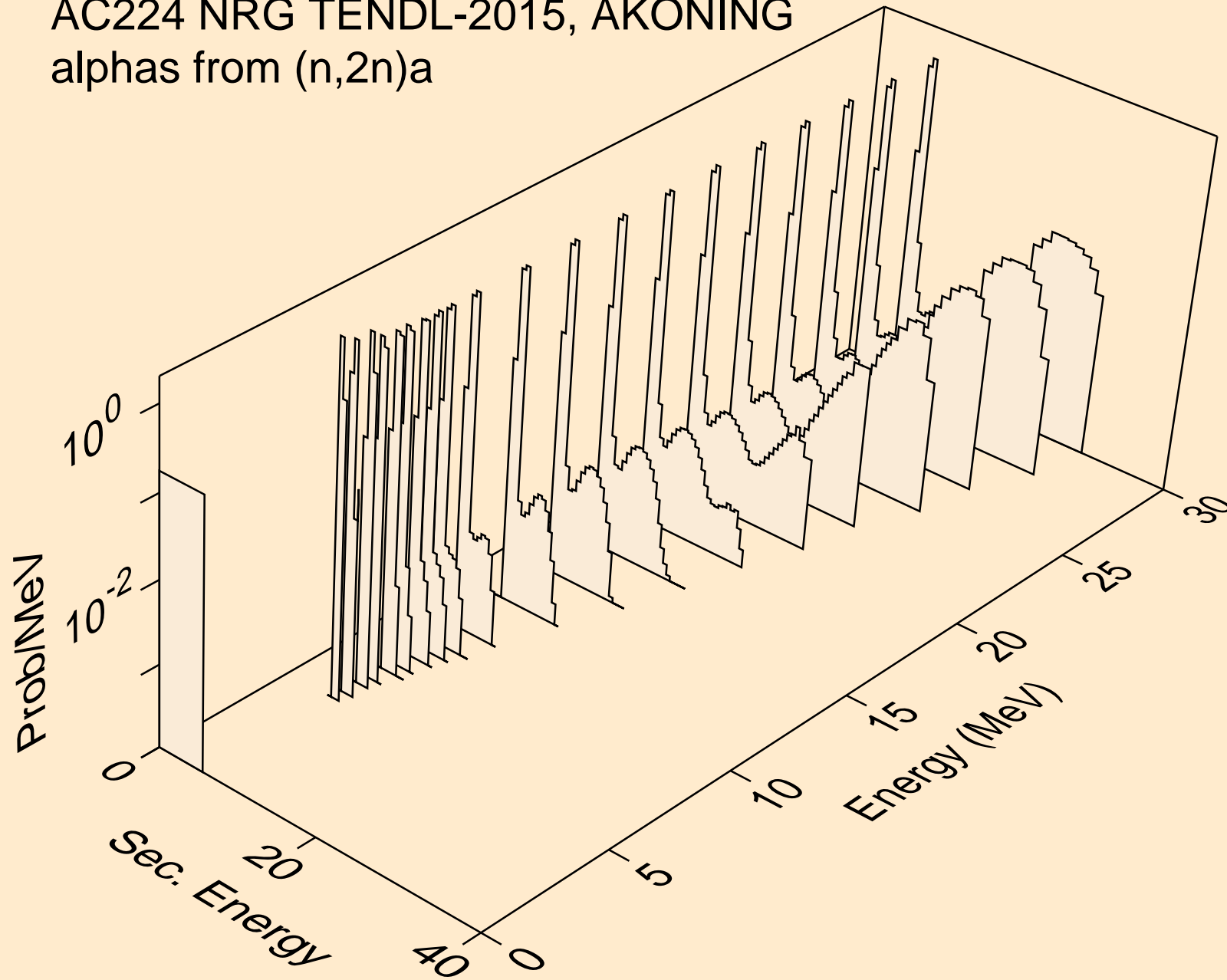


AC224 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a

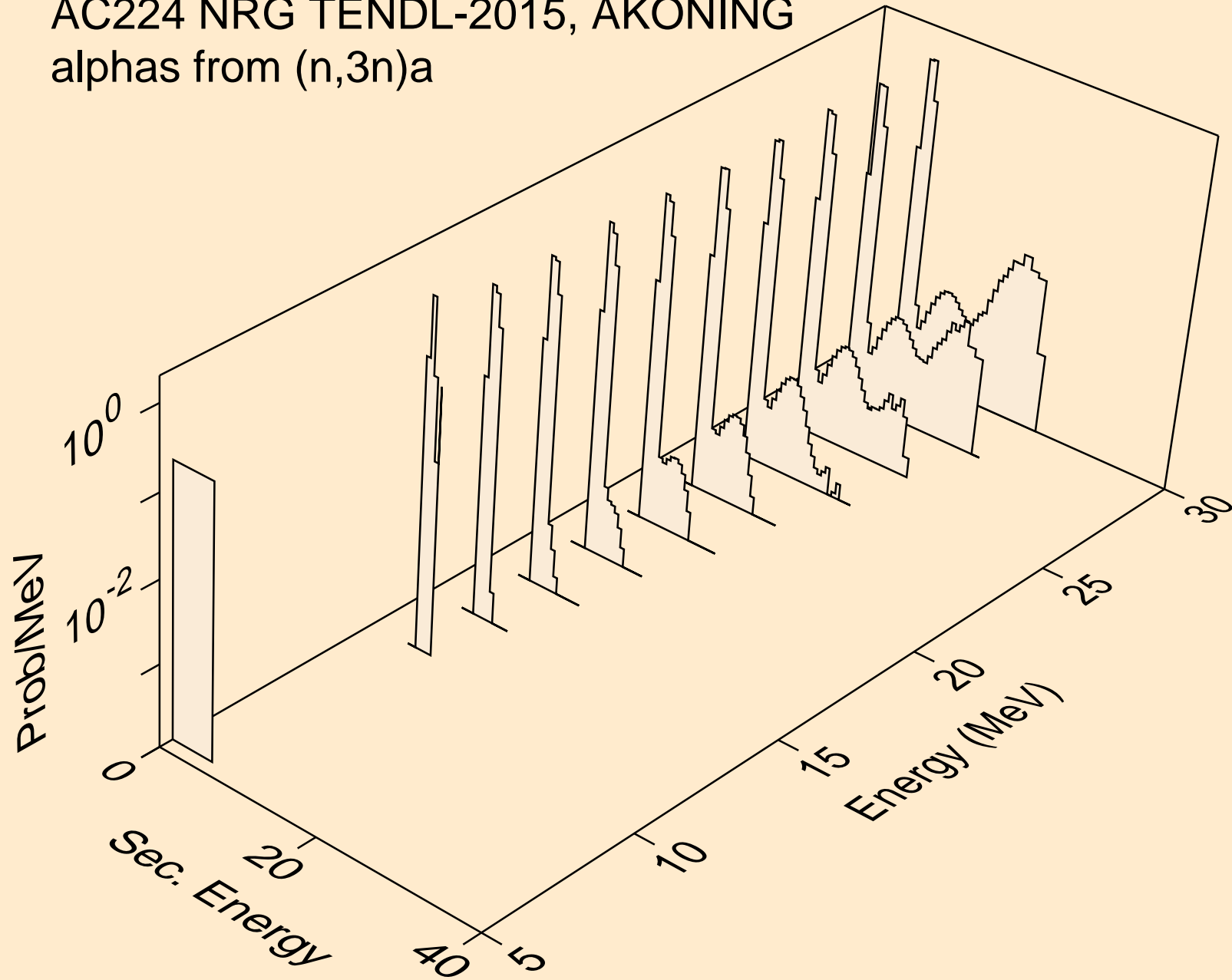




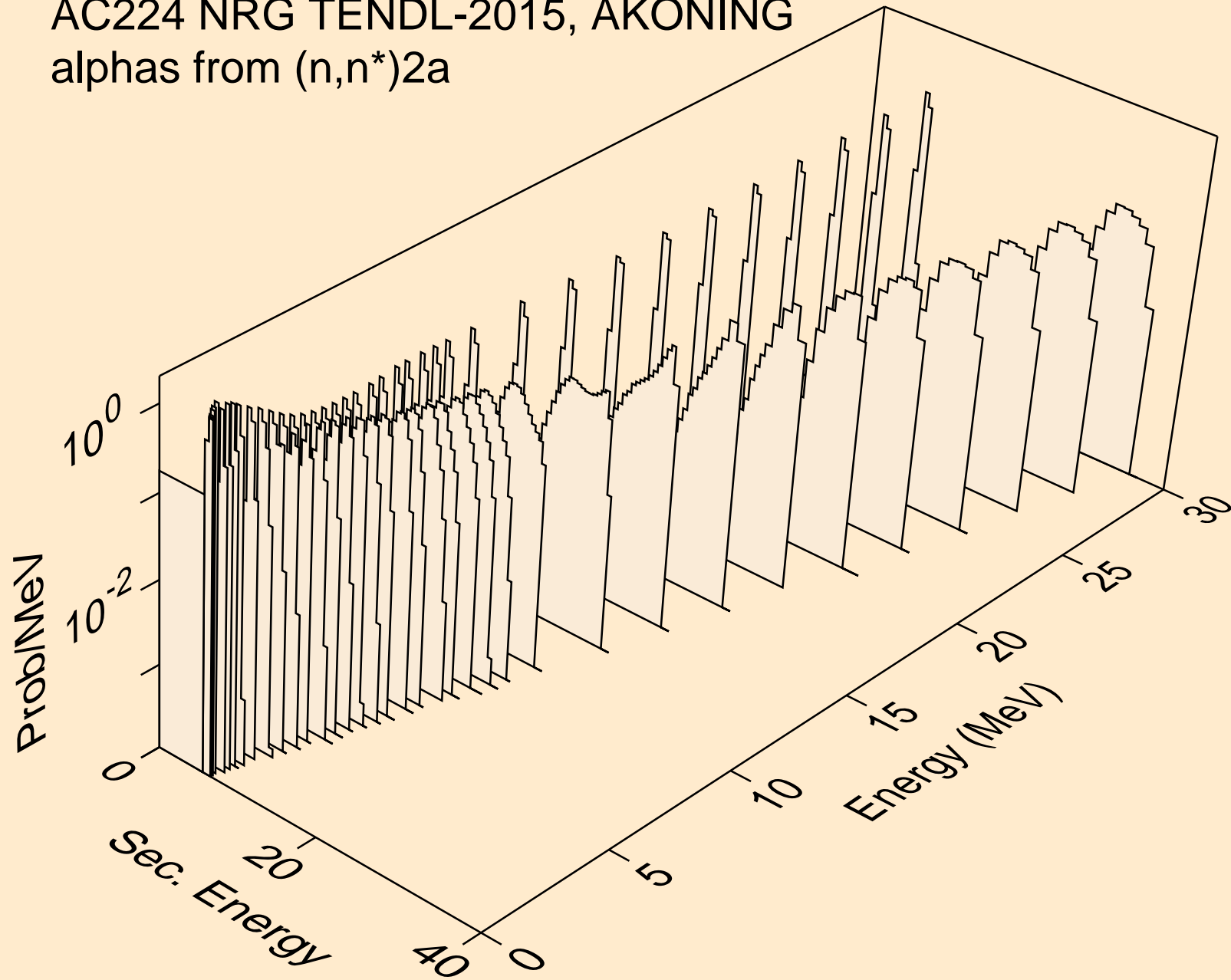
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alphas from (n,2n)a



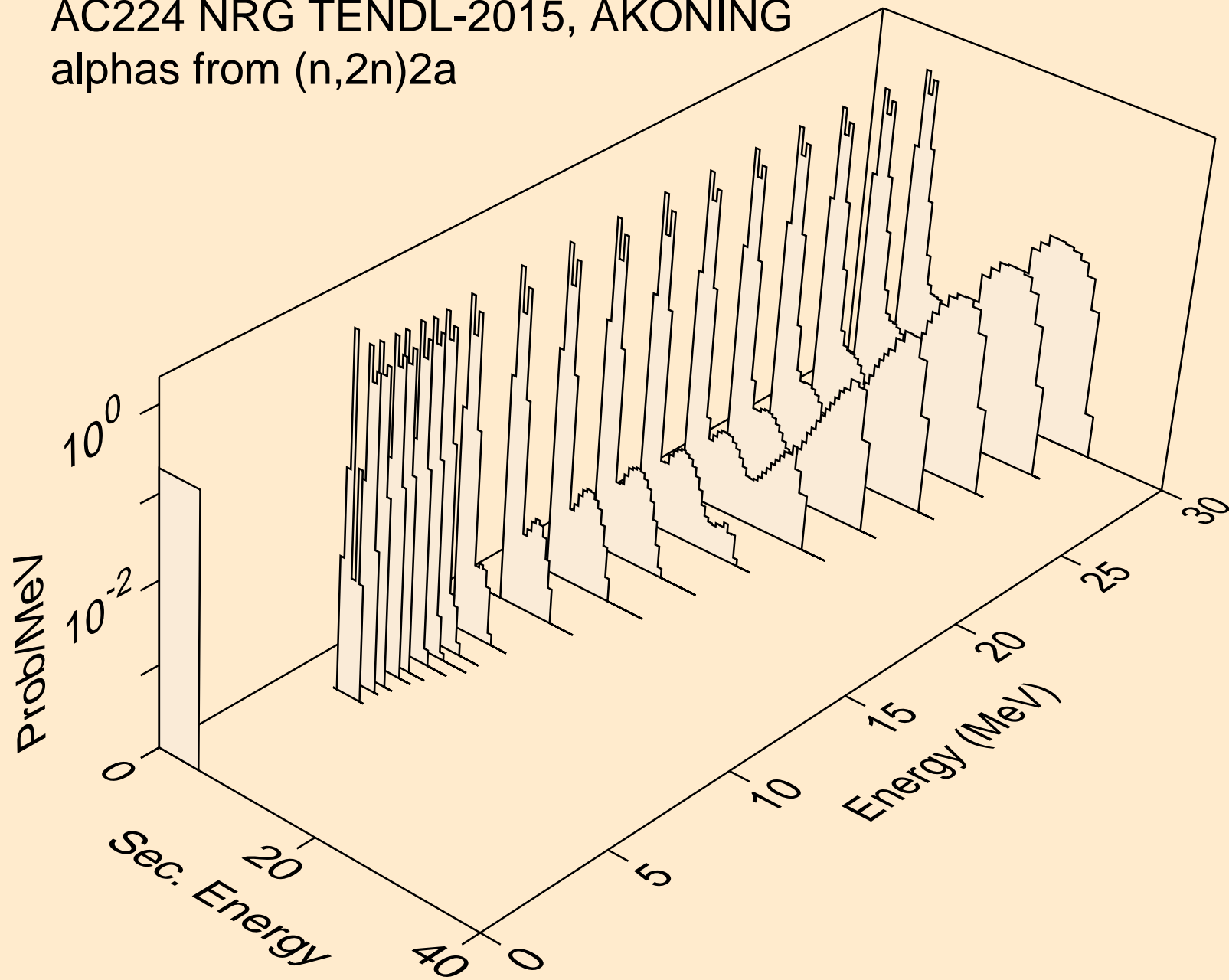
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alphas from (n,3n)a



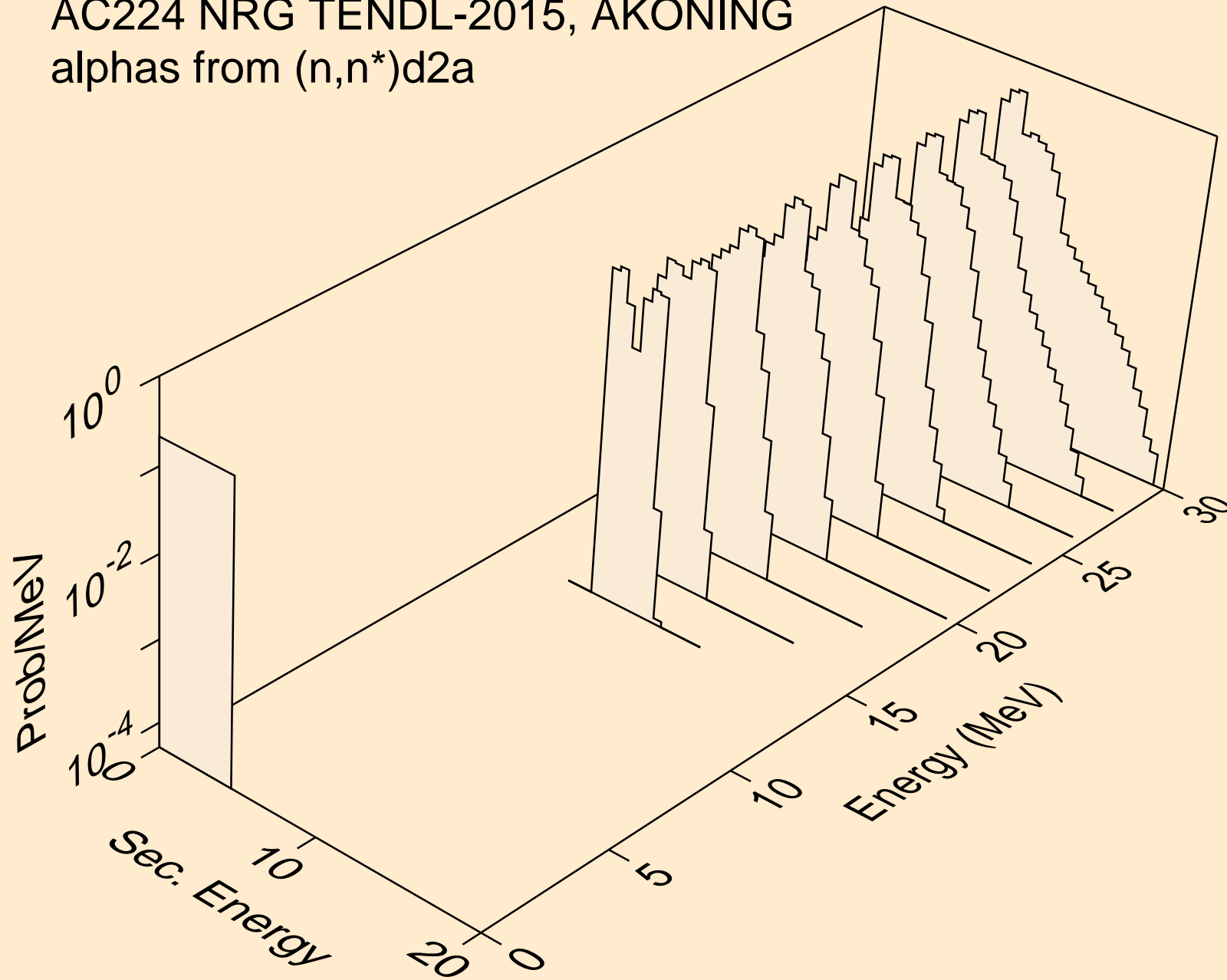
AC224 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



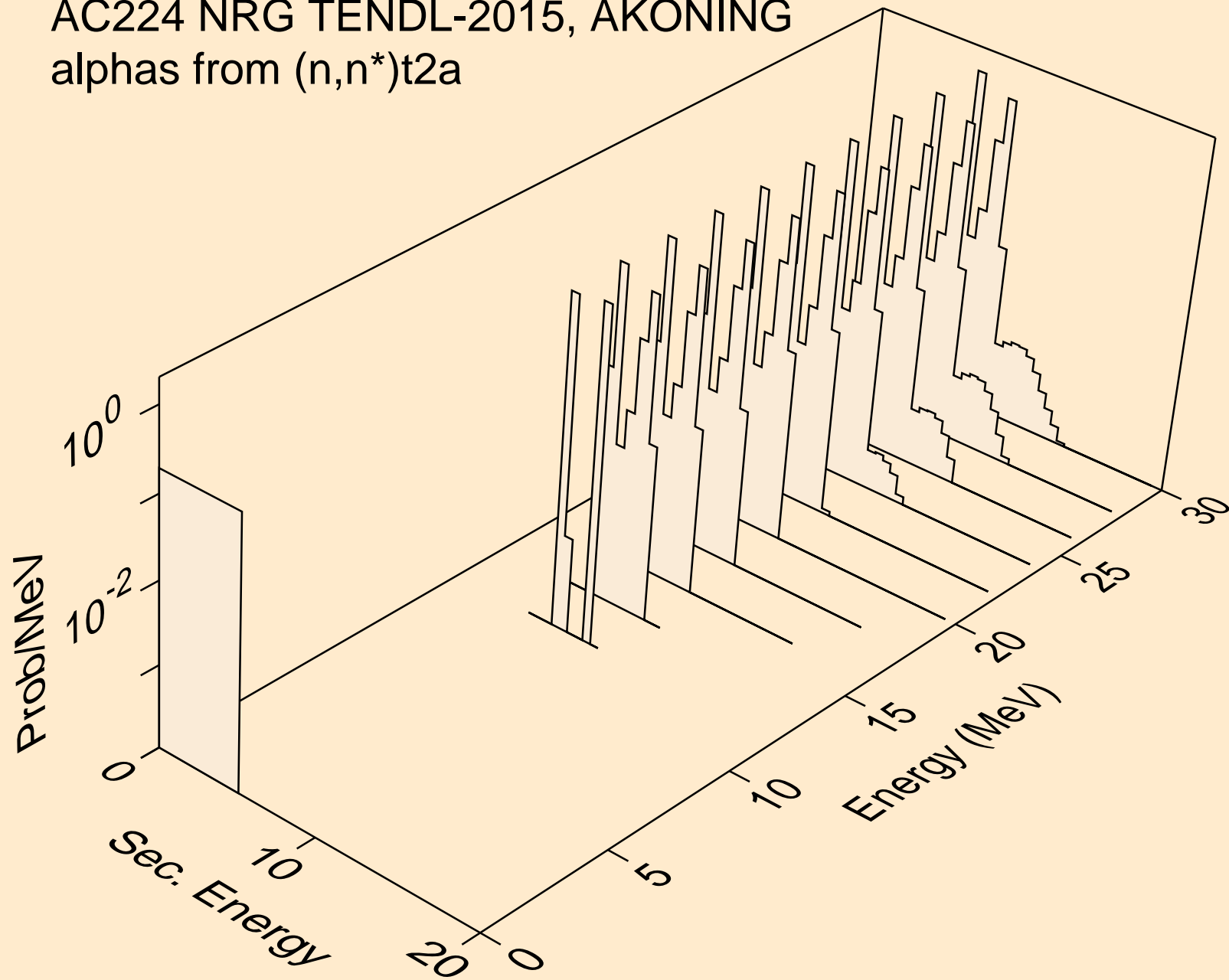
AC224 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



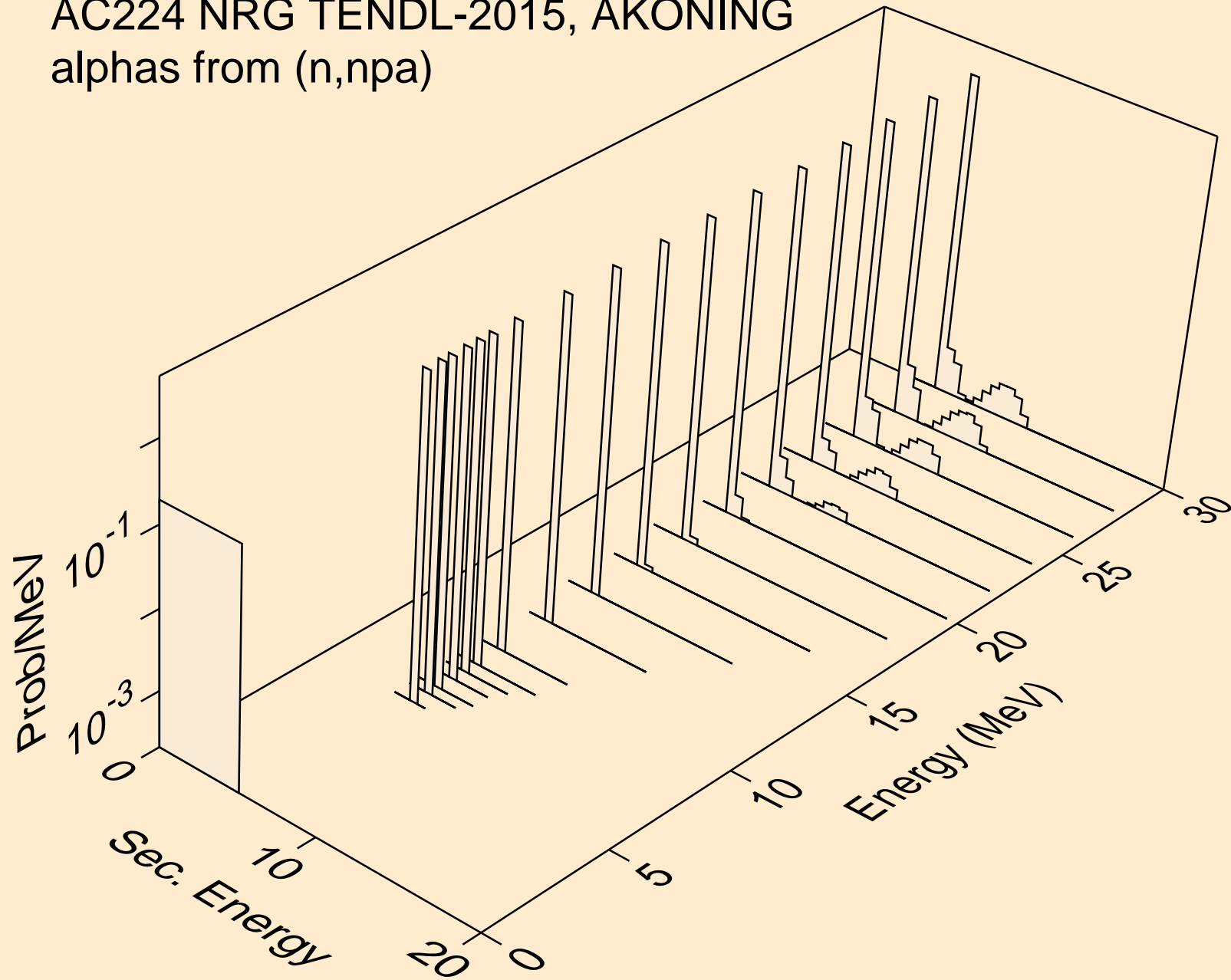
AC224 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



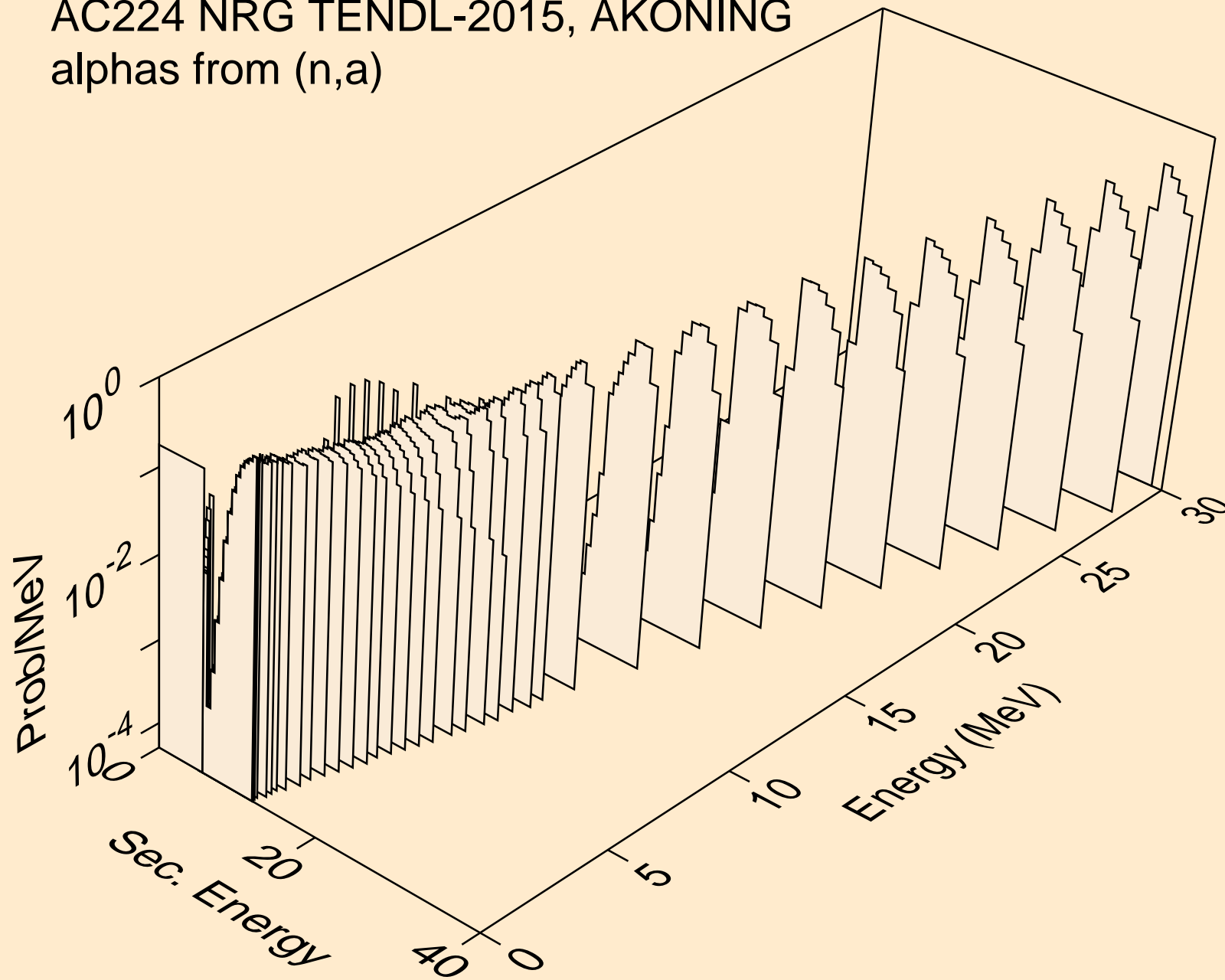
AC224 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



AC224 NRG TENDL-2015, AKONING  
alphas from (n,npa)

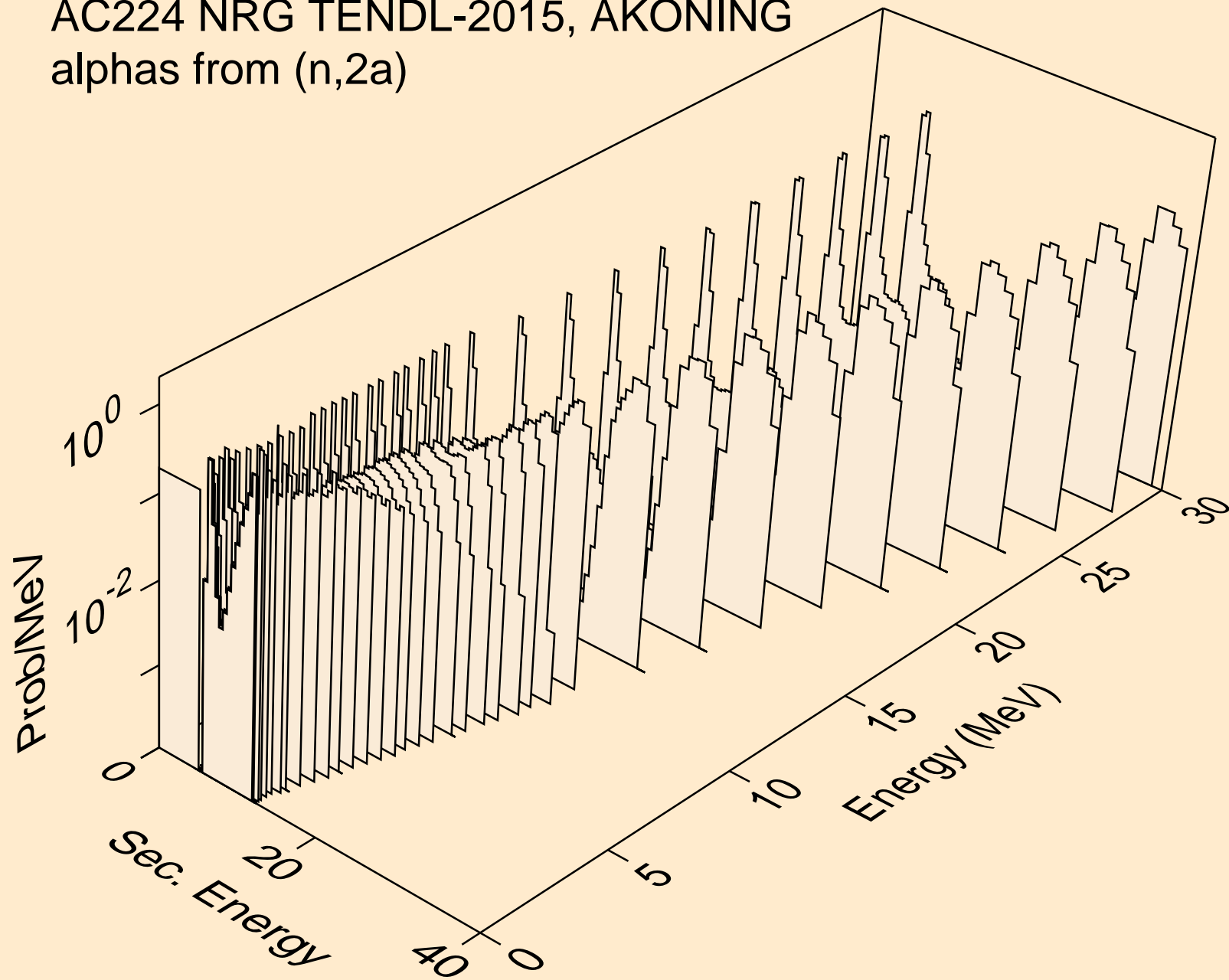


AC224 NRG TENDL-2015, AKONING  
alphas from (n,a)

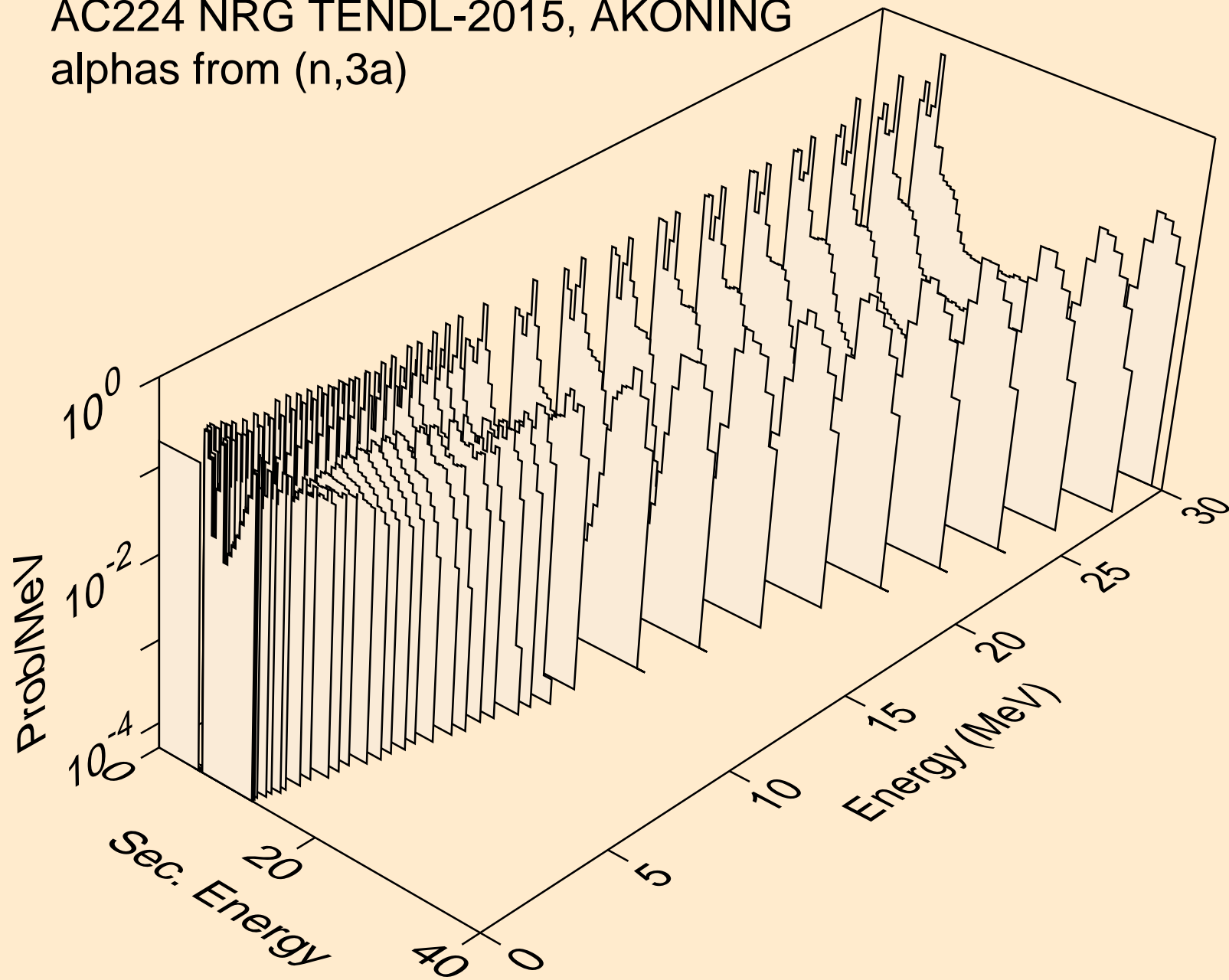




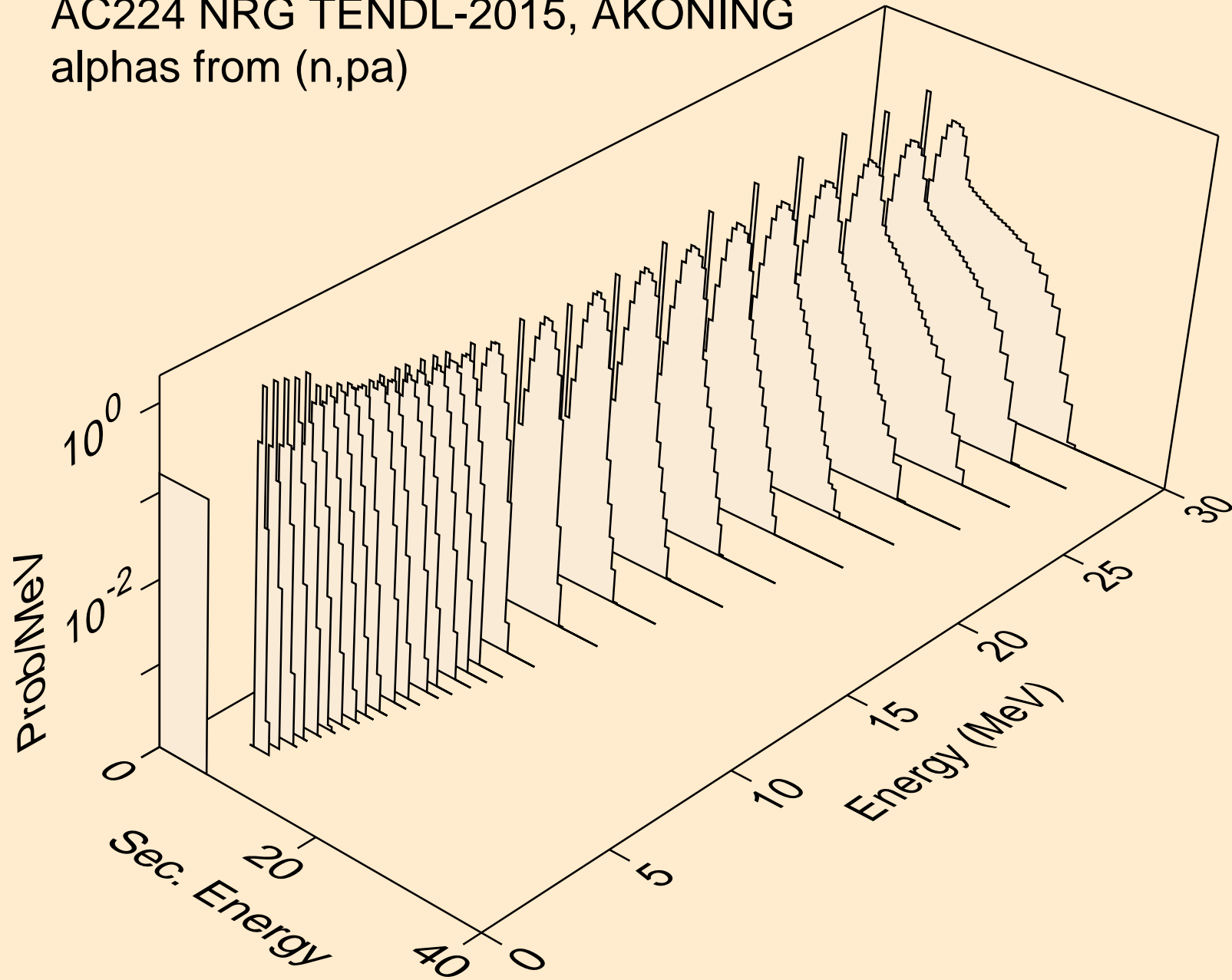
AC224 NRG TENDL-2015, AKONING  
alphas from (n,2a)



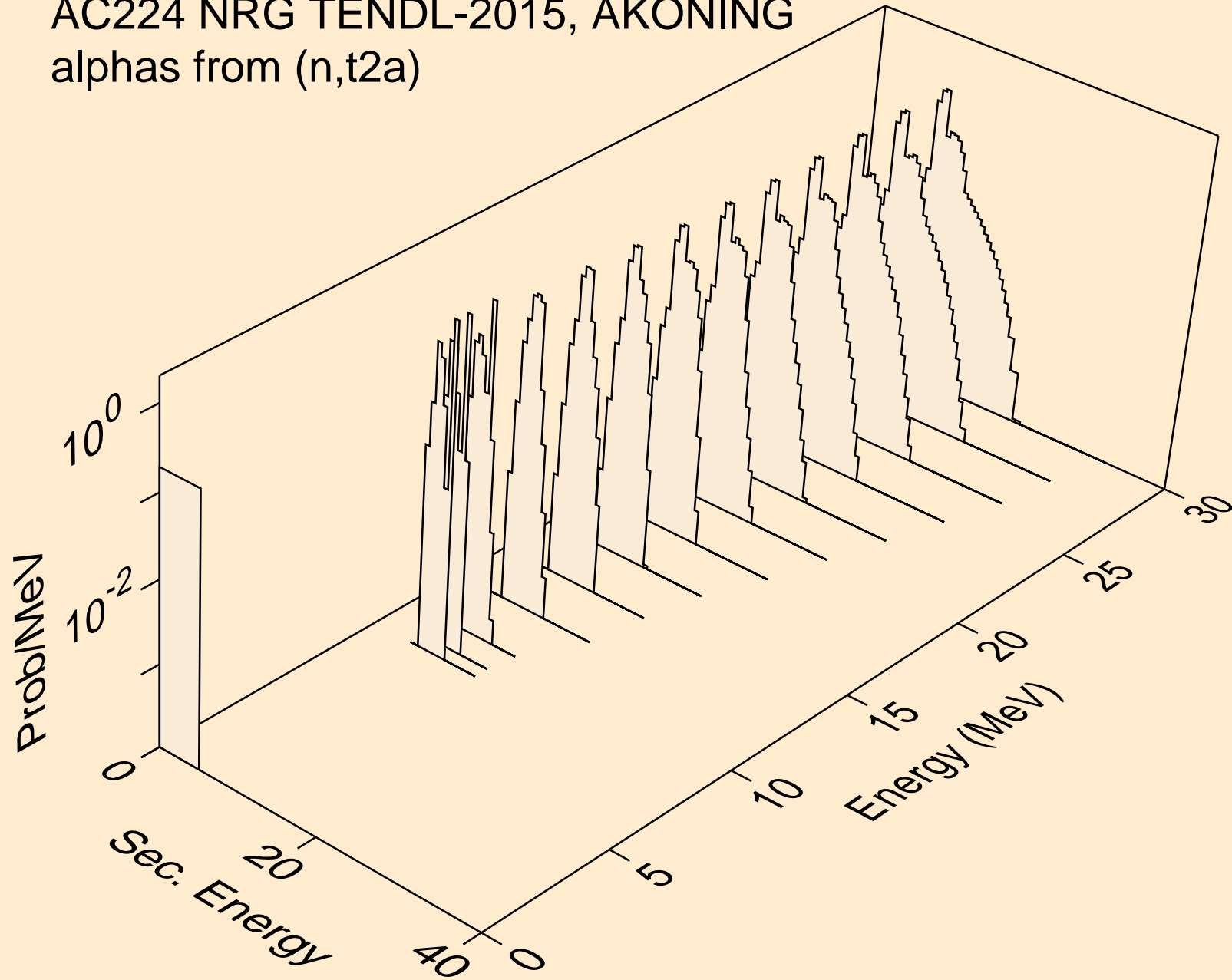
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alphas from (n,3a)



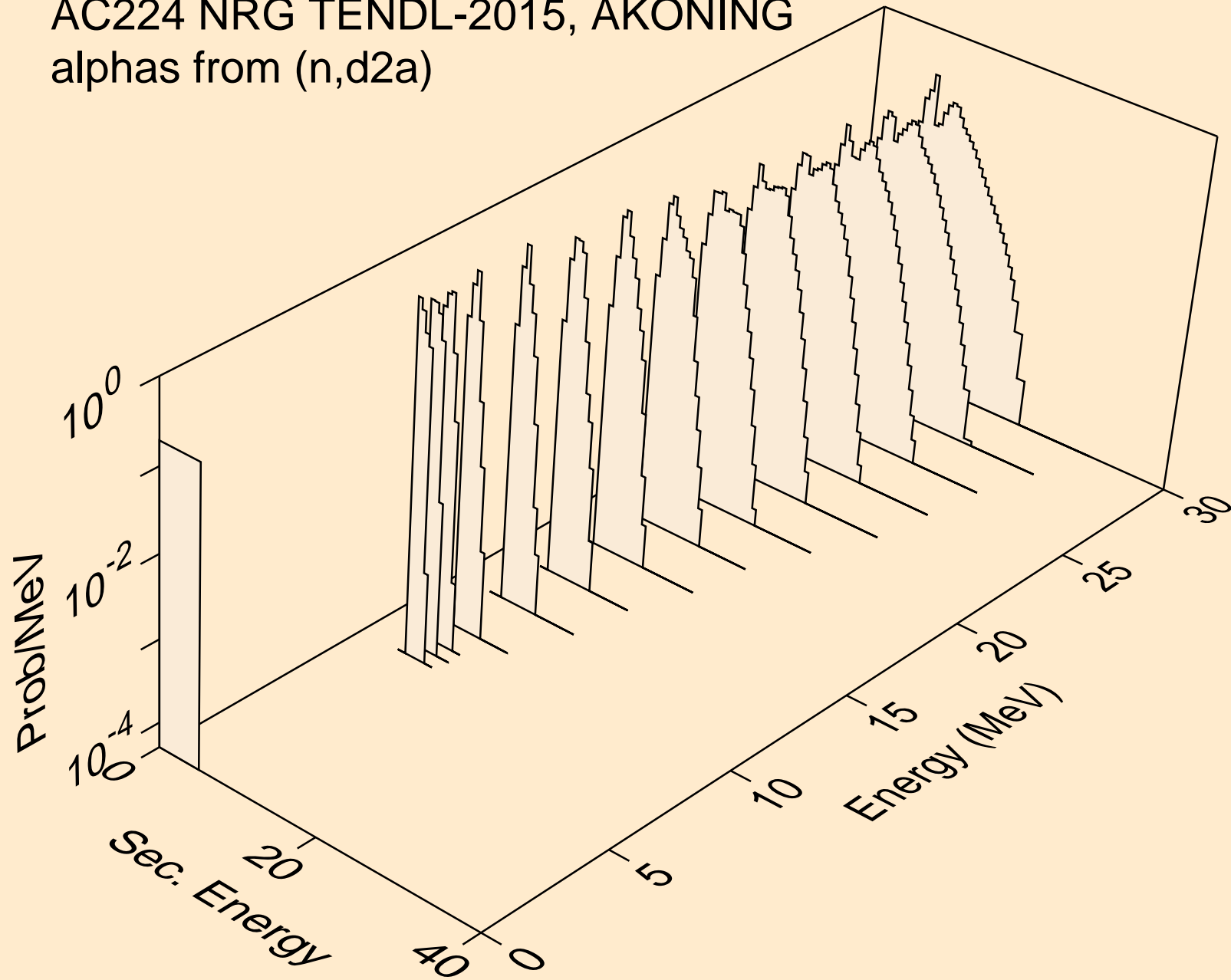
AC224 NRG TENDL-2015, AKONING  
alphas from (n,pa)



AC224 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



AC224 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



AC224 NRG TENDL-2015, AKONING  
alphas from (n,da)

