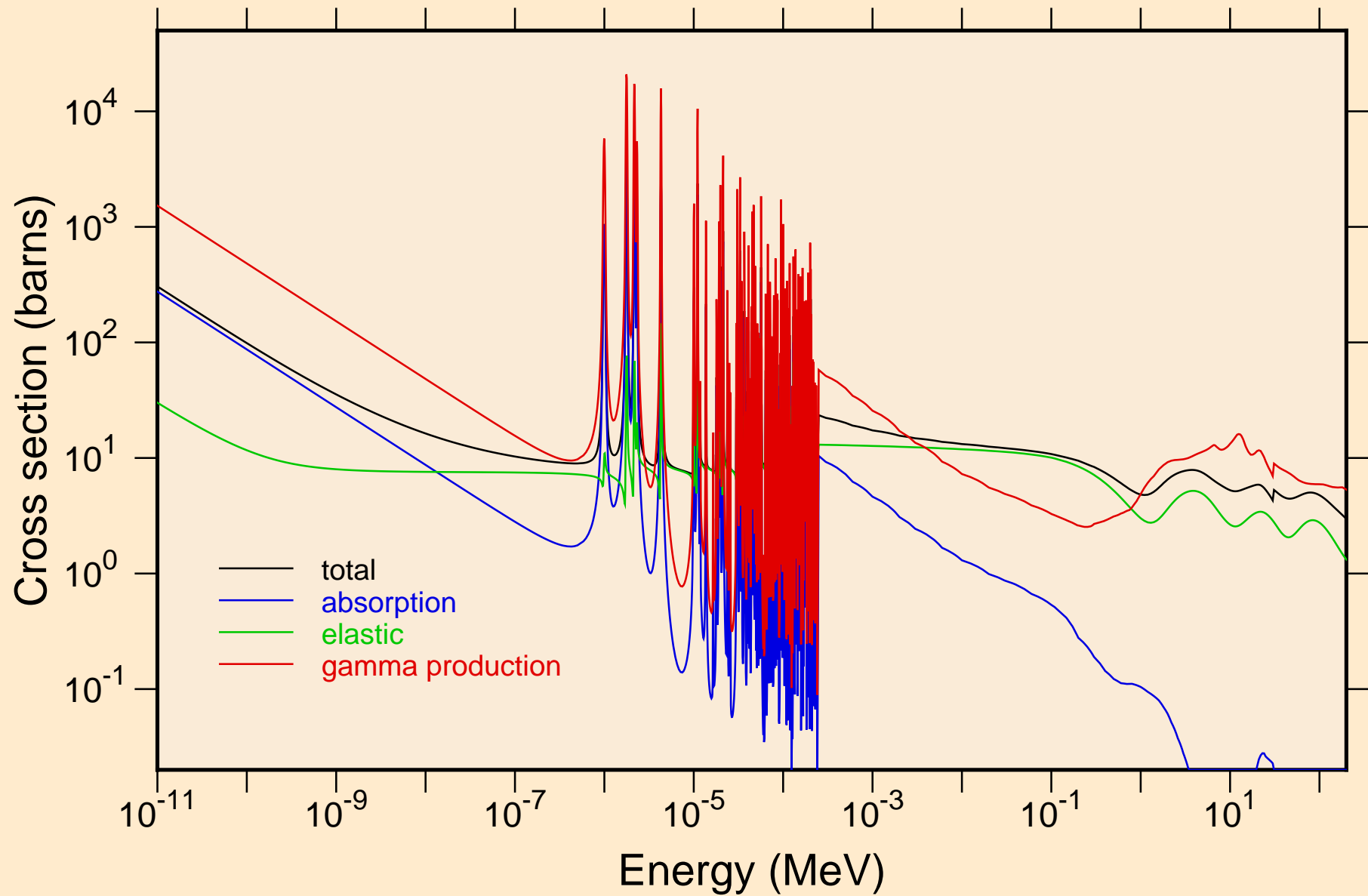
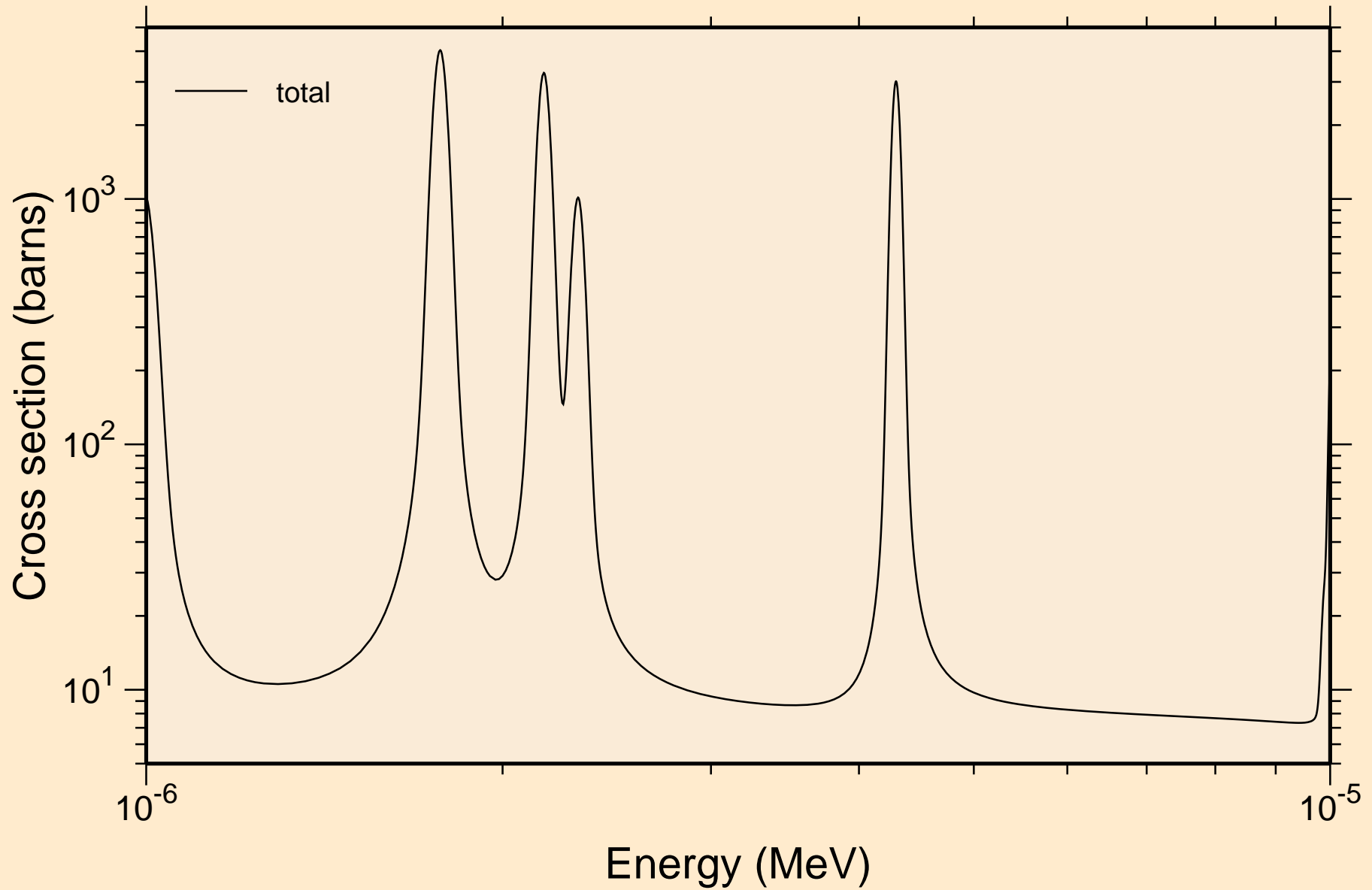


# FR221 NRG TENDL-2015, AKONING

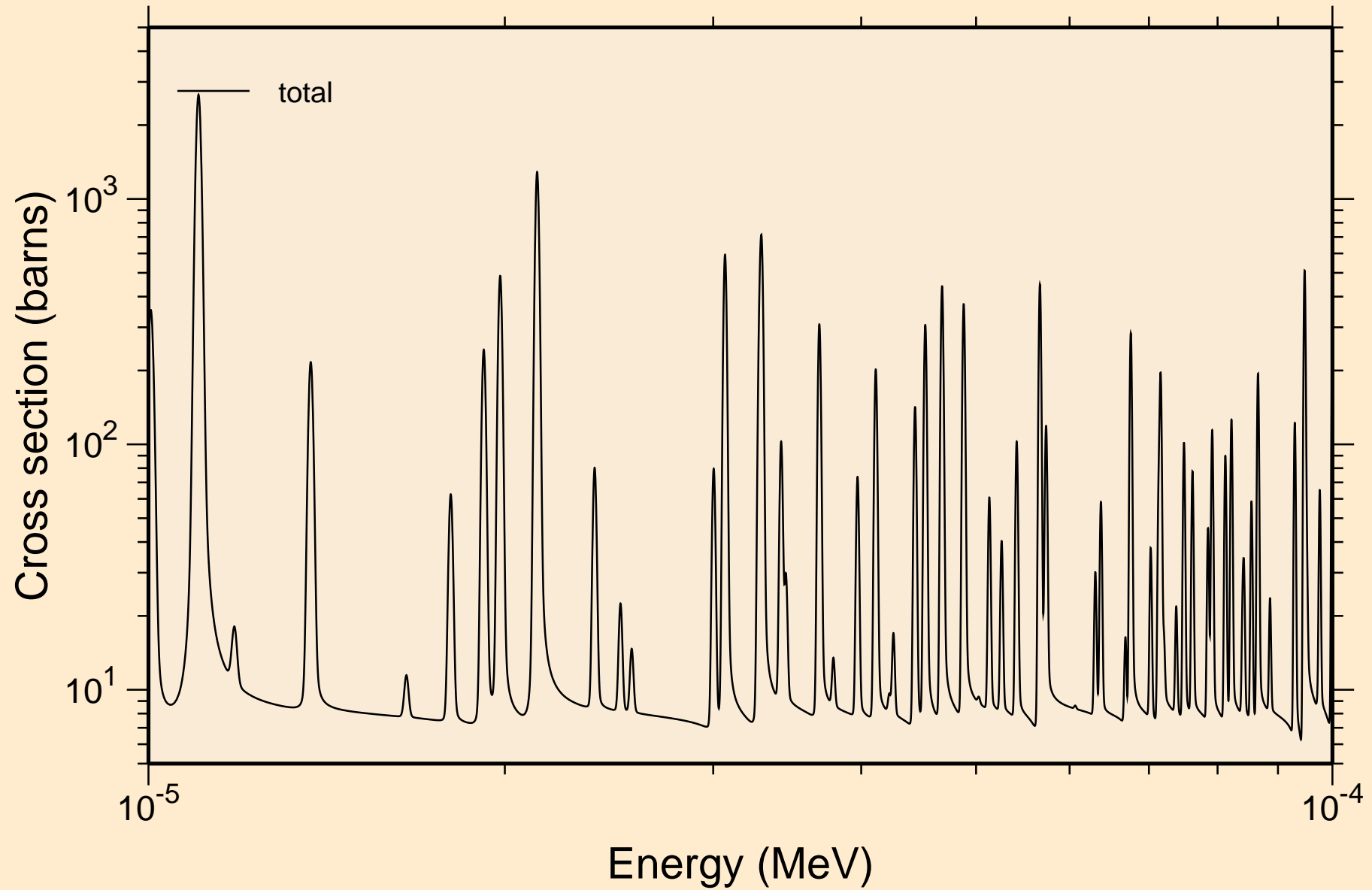
## Principal cross sections



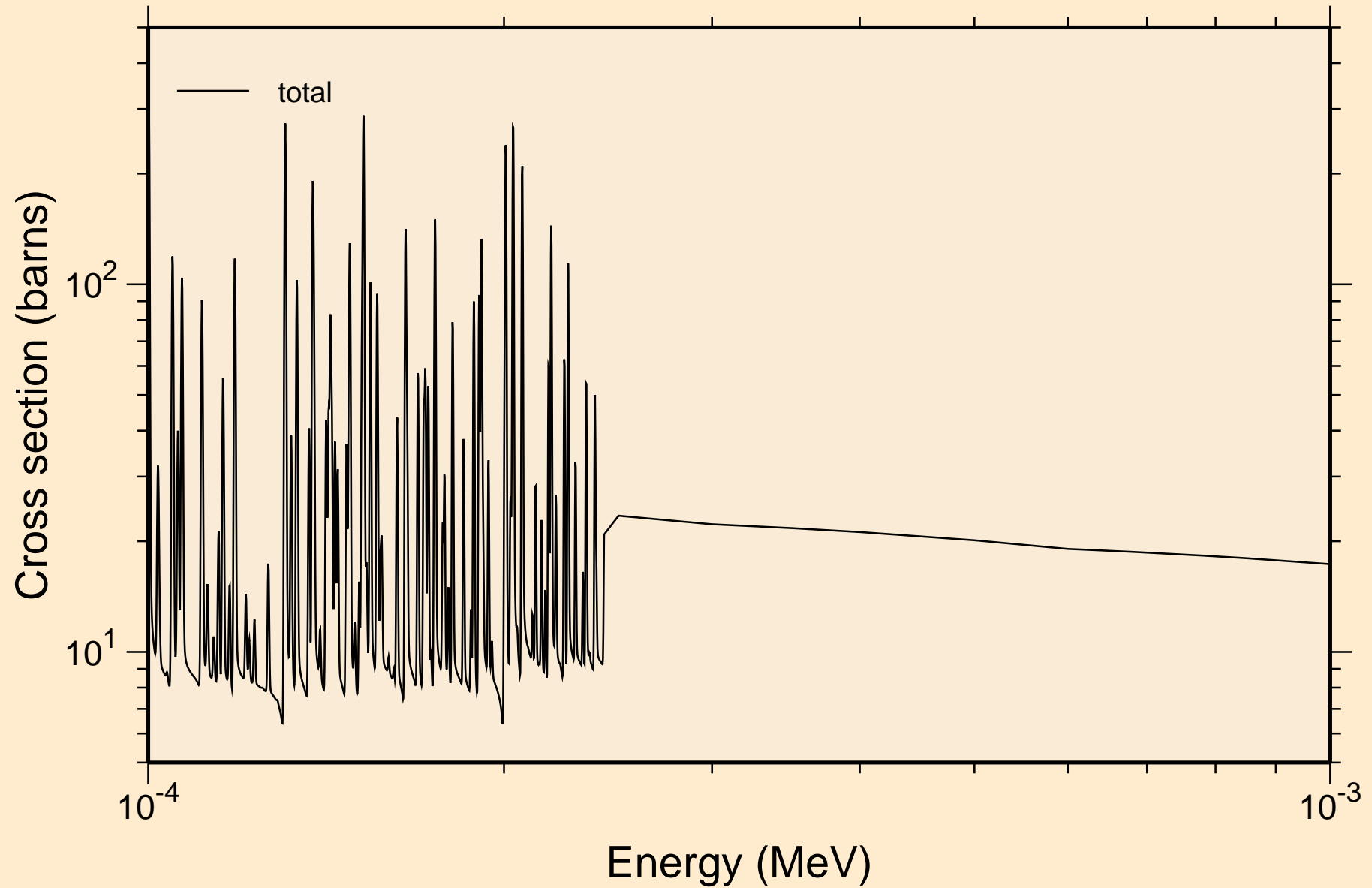
FR221 NRG TENDL-2015, AKONING  
resonance total cross section



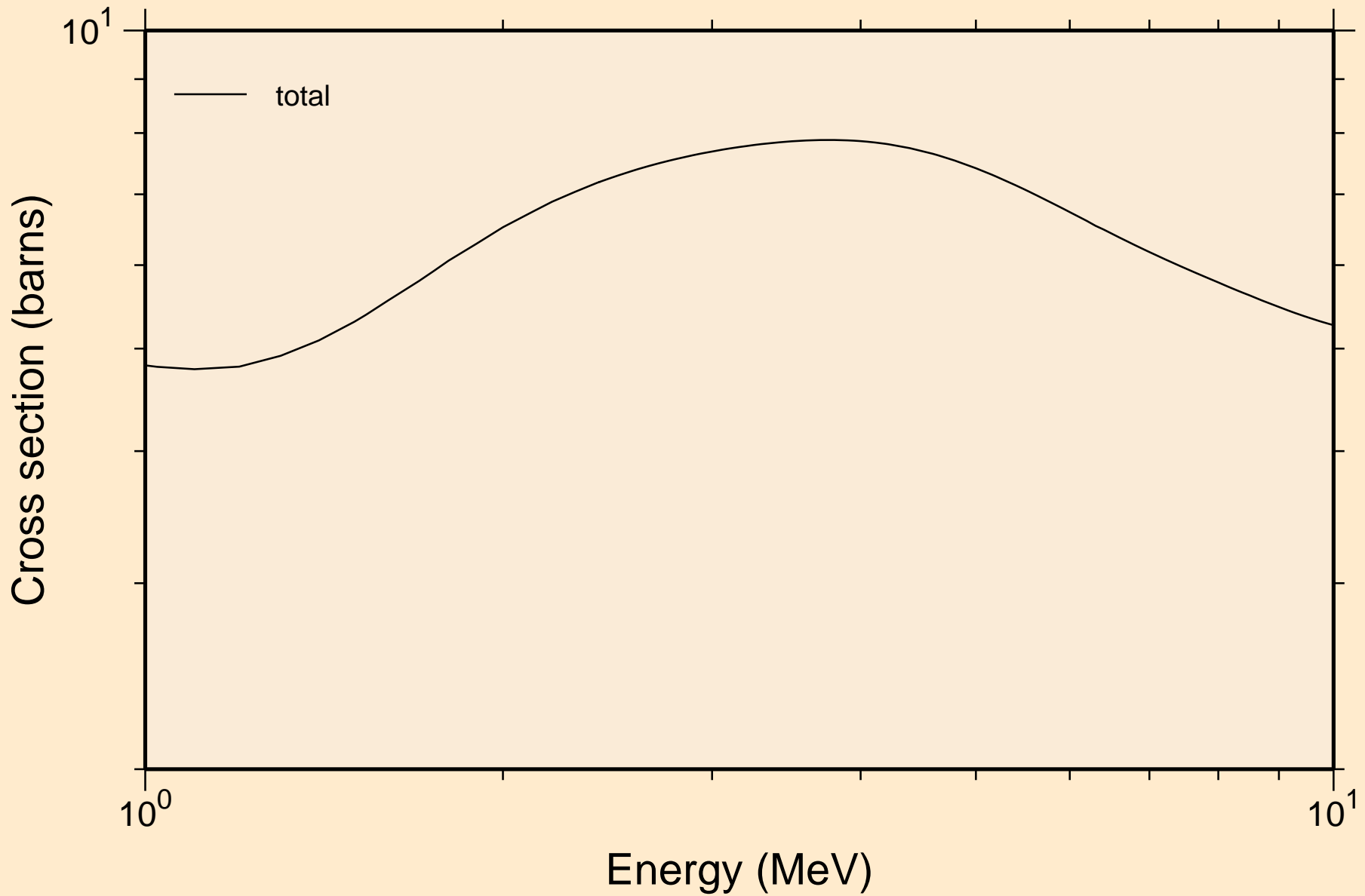
FR221 NRG TENDL-2015, AKONING  
resonance total cross section



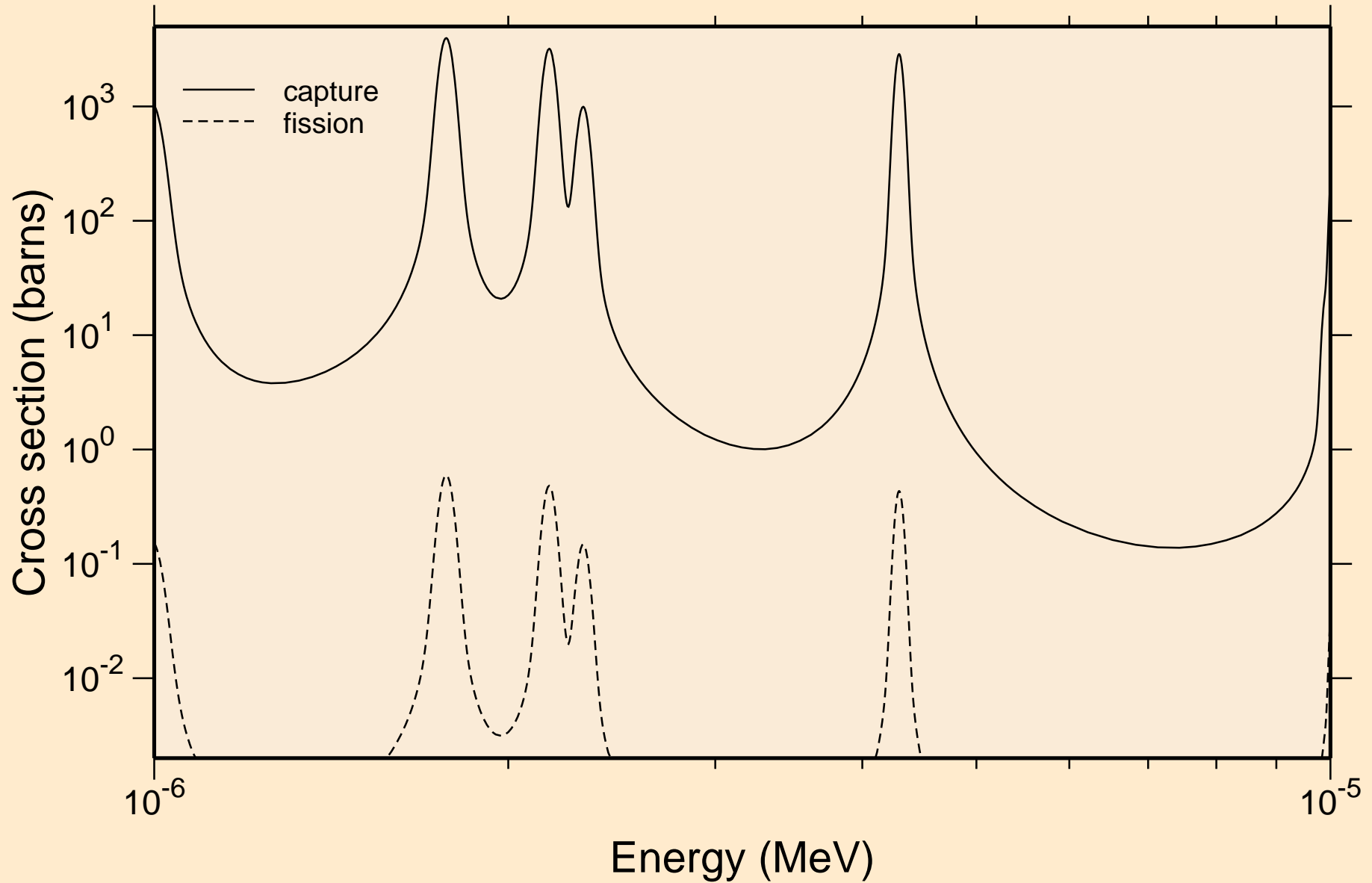
FR221 NRG TENDL-2015, AKONING  
resonance total cross section



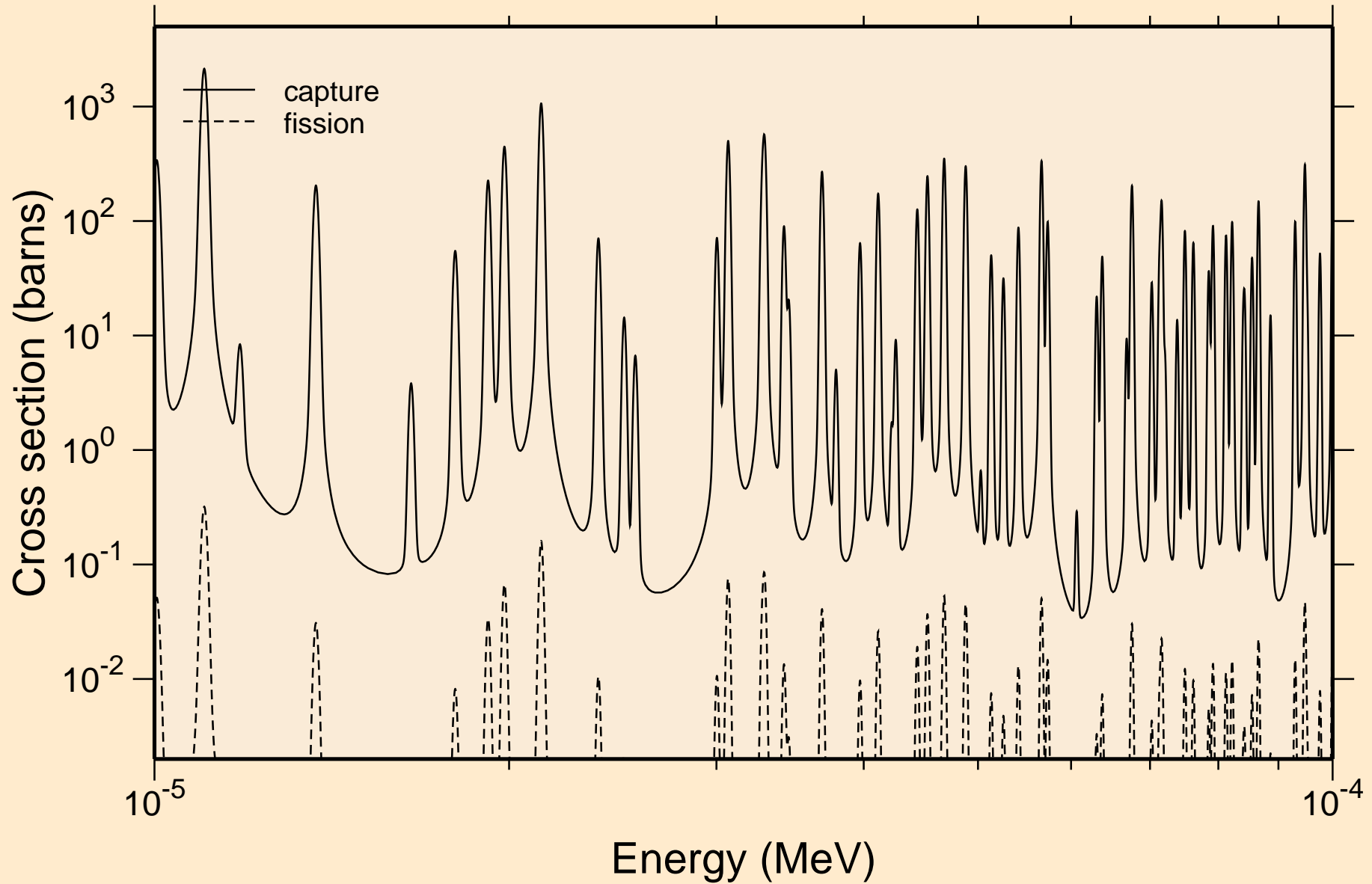
FR221 NRG TENDL-2015, AKONING  
resonance total cross section



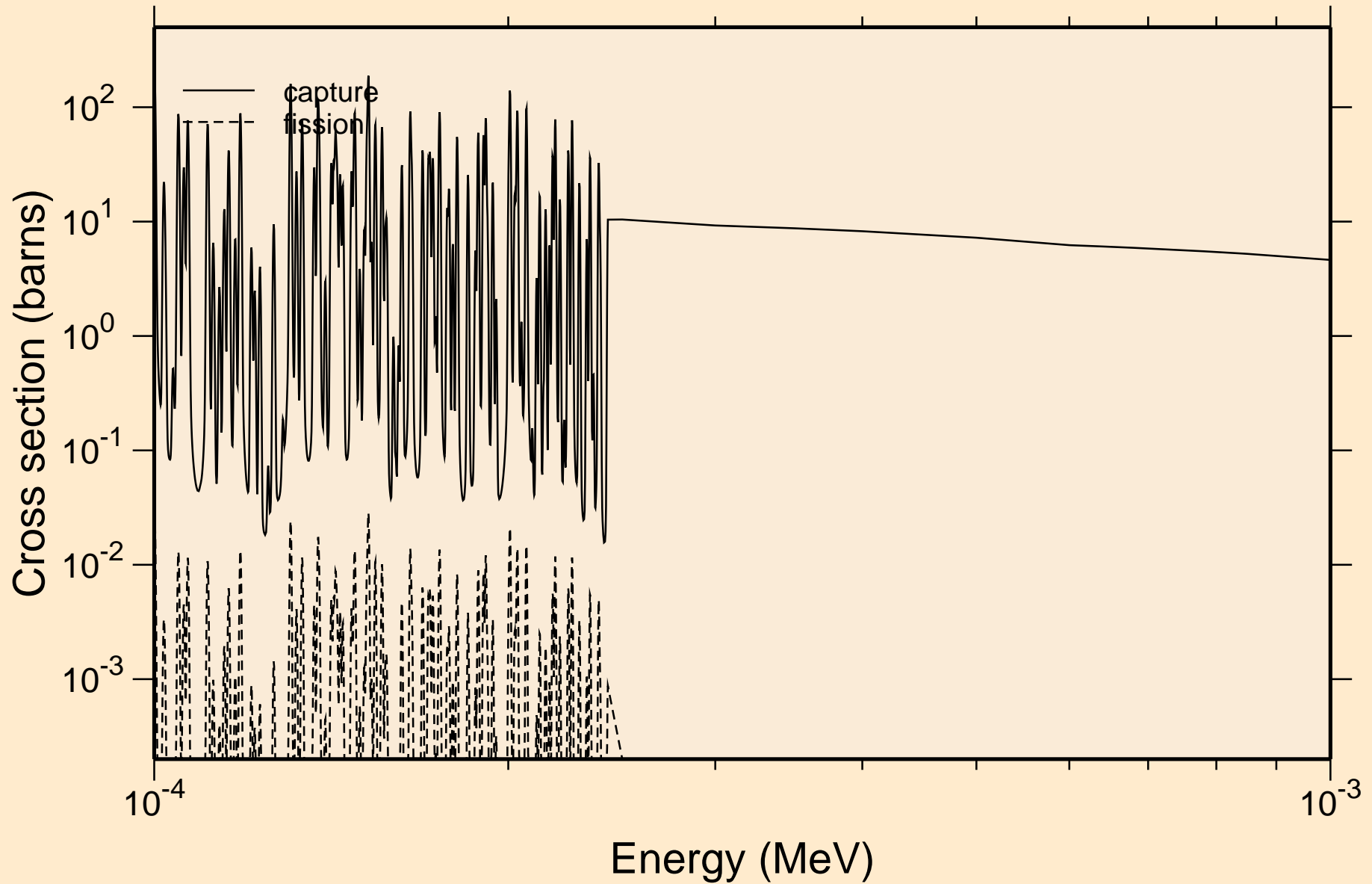
FR221 NRG TENDL-2015, AKONING  
resonance absorption cross sections



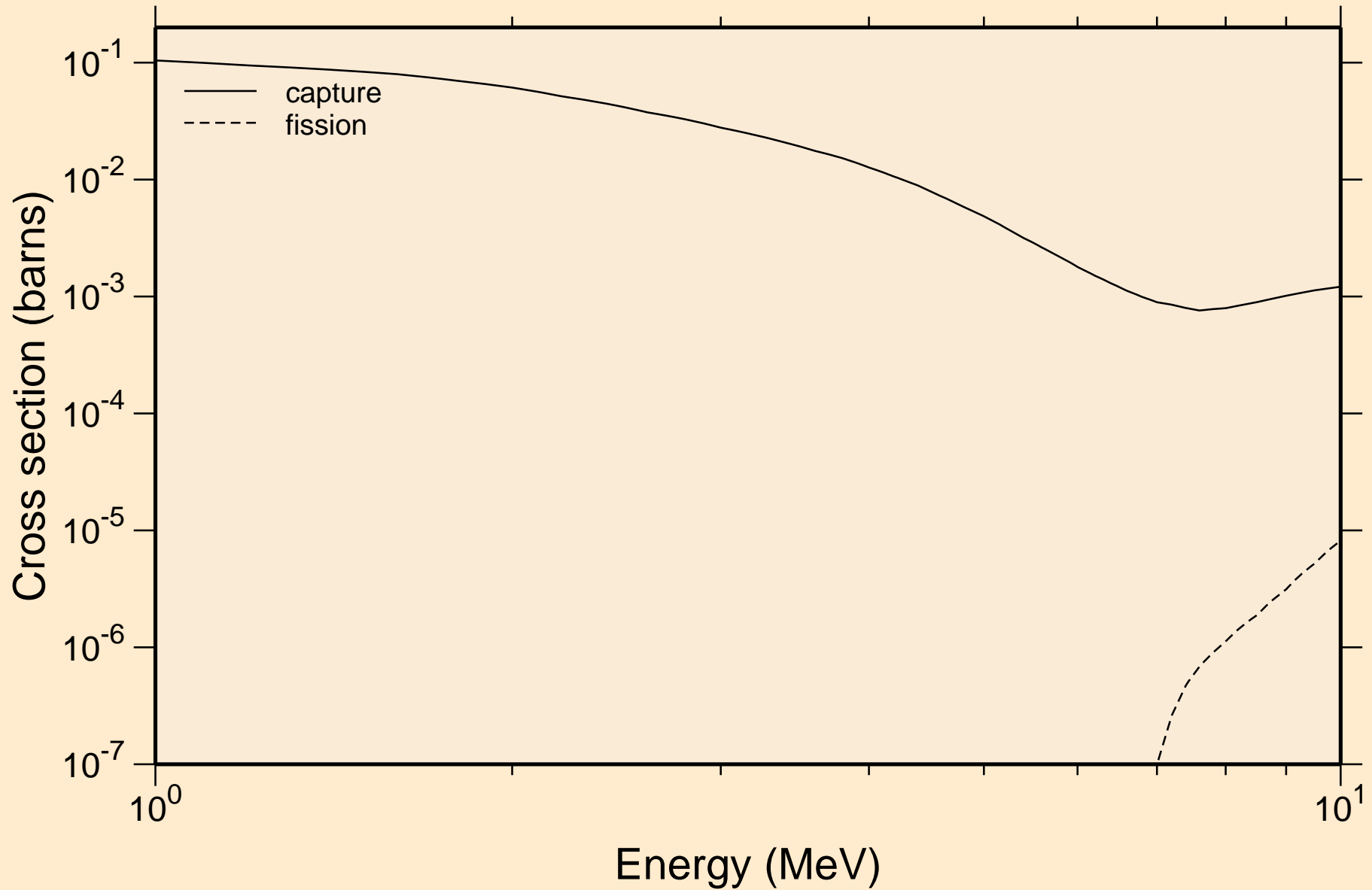
FR221 NRG TENDL-2015, AKONING  
resonance absorption cross sections



FR221 NRG TENDL-2015, AKONING  
resonance absorption cross sections

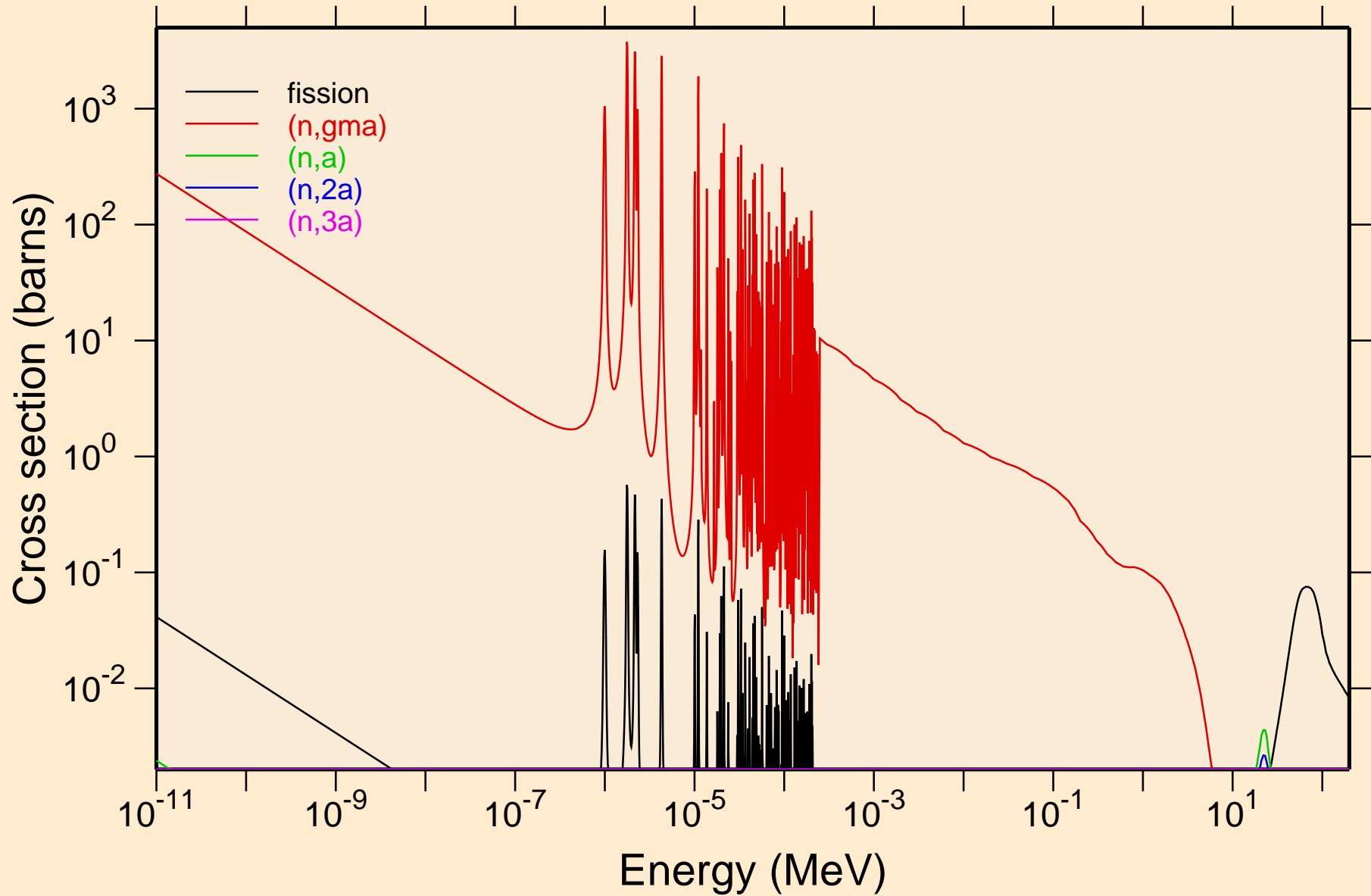


FR221 NRG TENDL-2015, AKONING  
resonance absorption cross sections



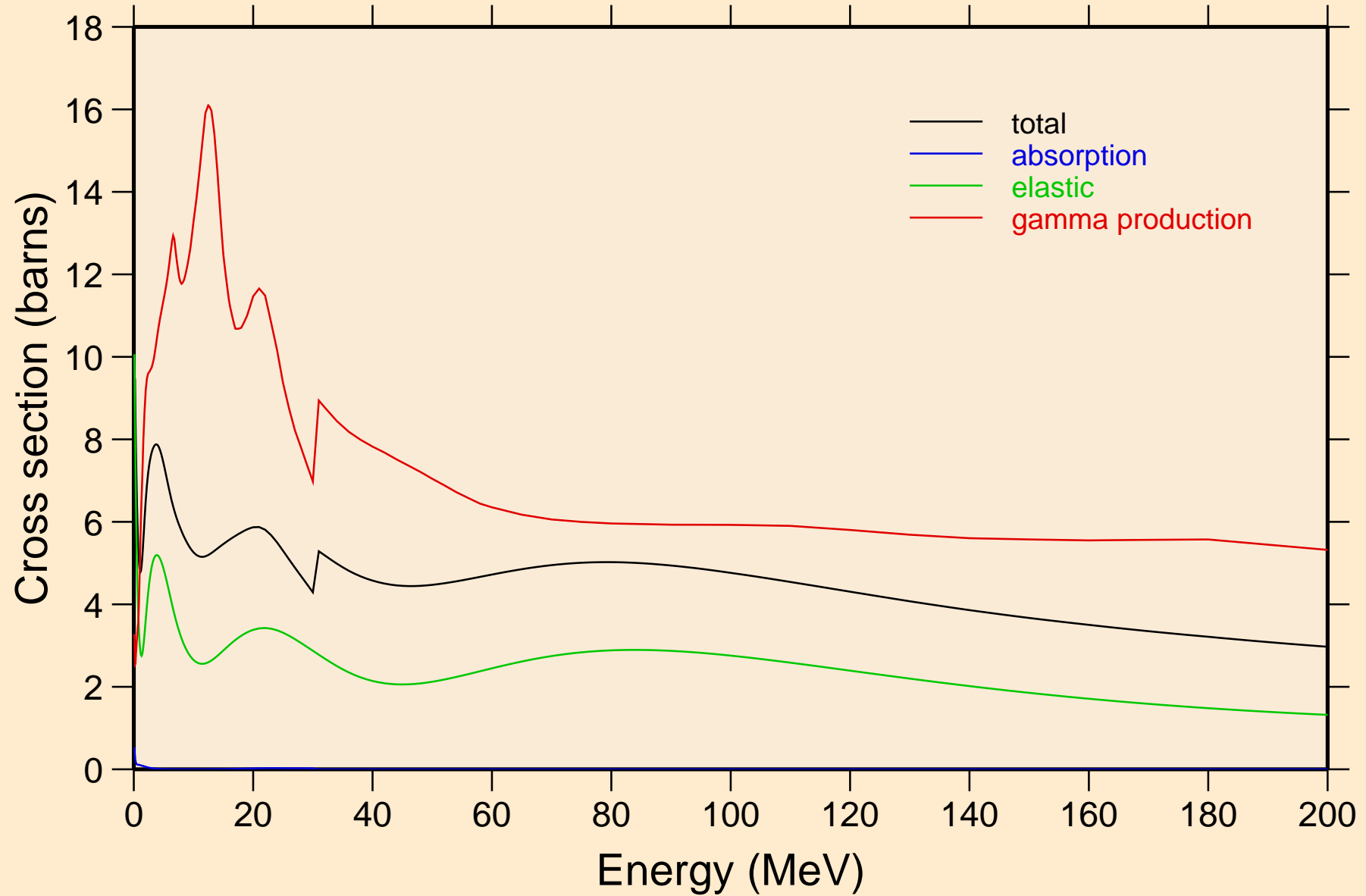
# FR221 NRG TENDL-2015, AKONING

## Non-threshold reactions



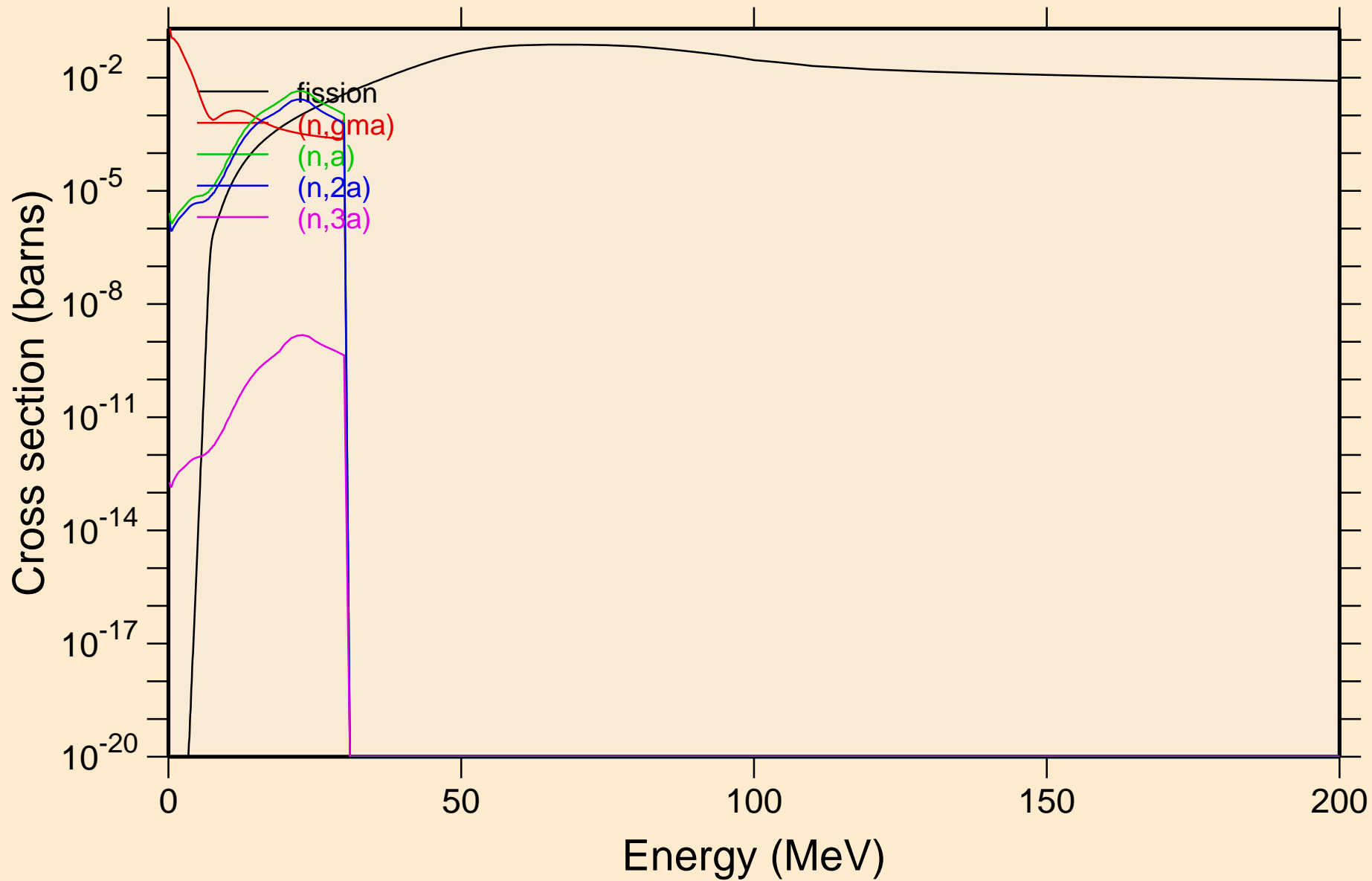
# FR221 NRG TENDL-2015, AKONING

## Principal cross sections



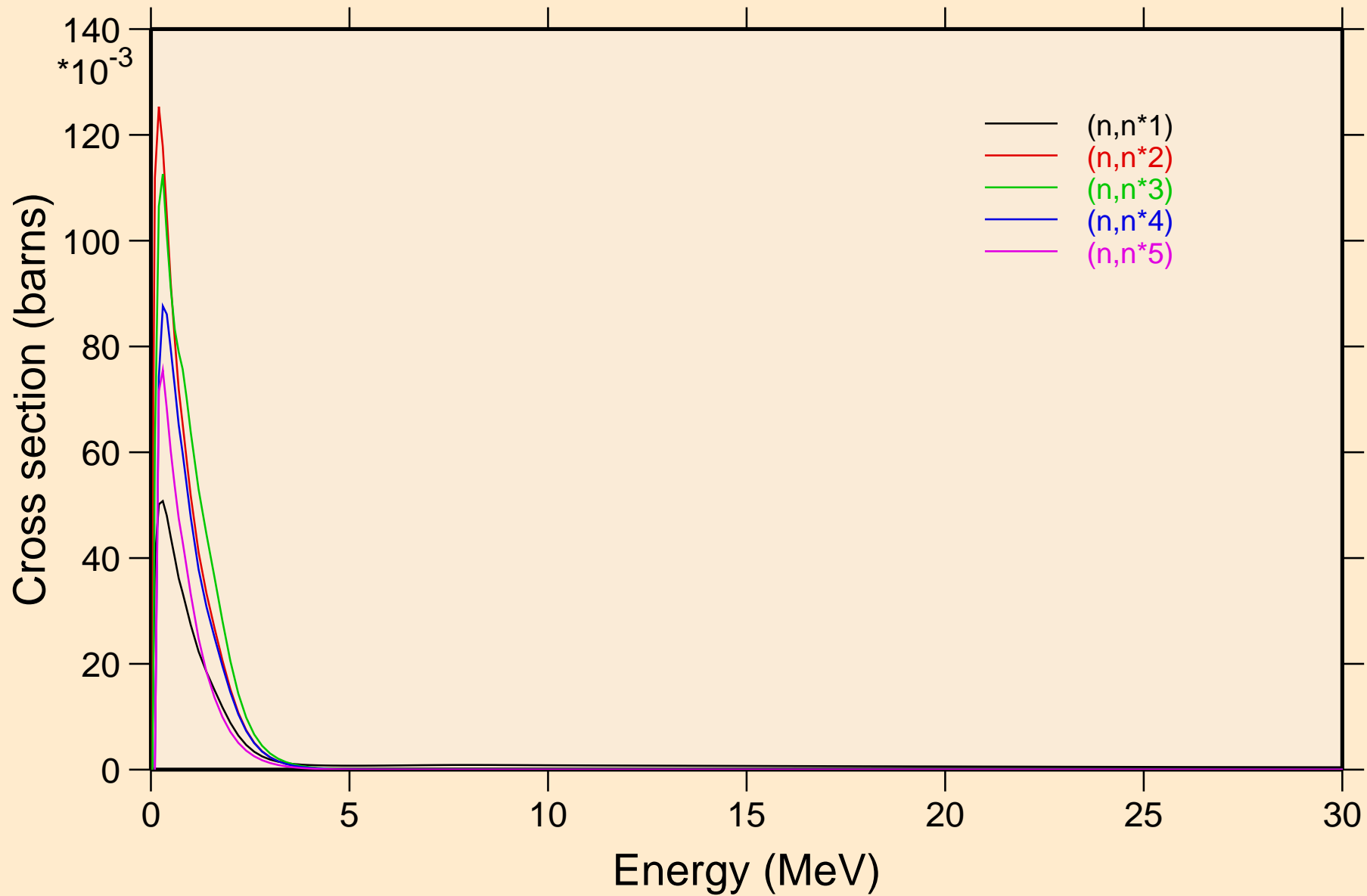
# FR221 NRG TENDL-2015, AKONING

## Non-threshold reactions



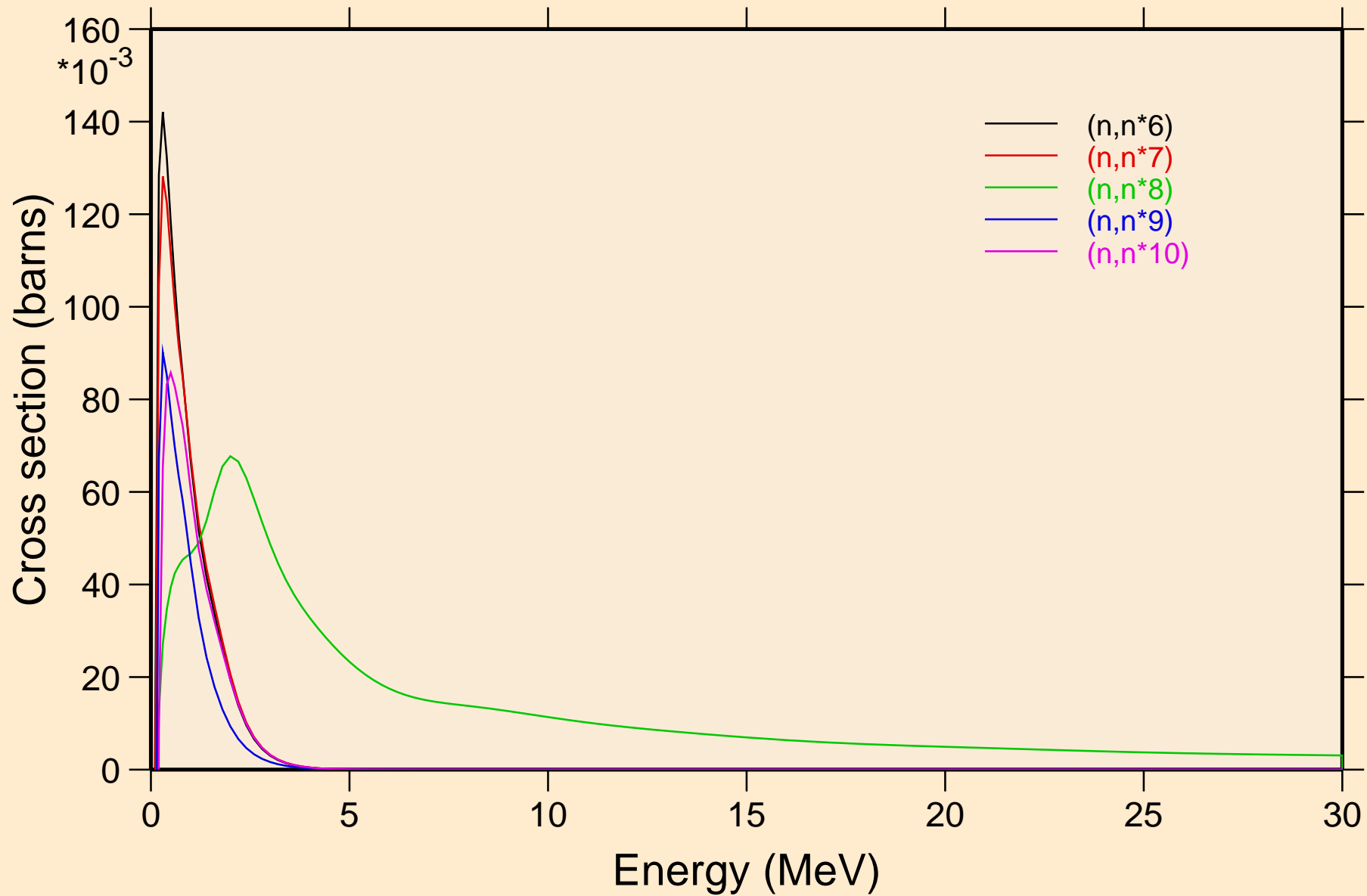
# FR221 NRG TENDL-2015, AKONING

## Inelastic levels



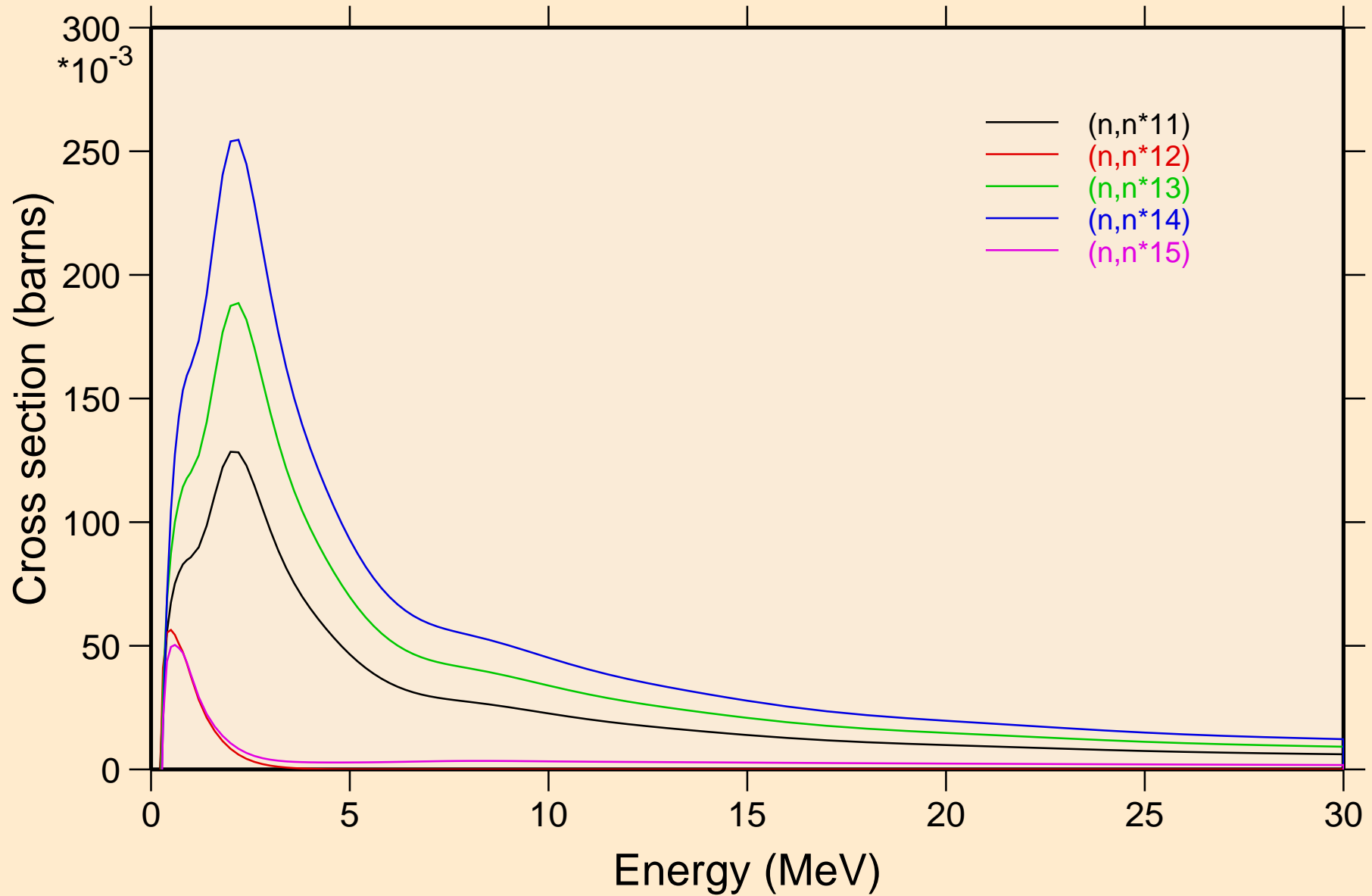
# FR221 NRG TENDL-2015, AKONING

## Inelastic levels



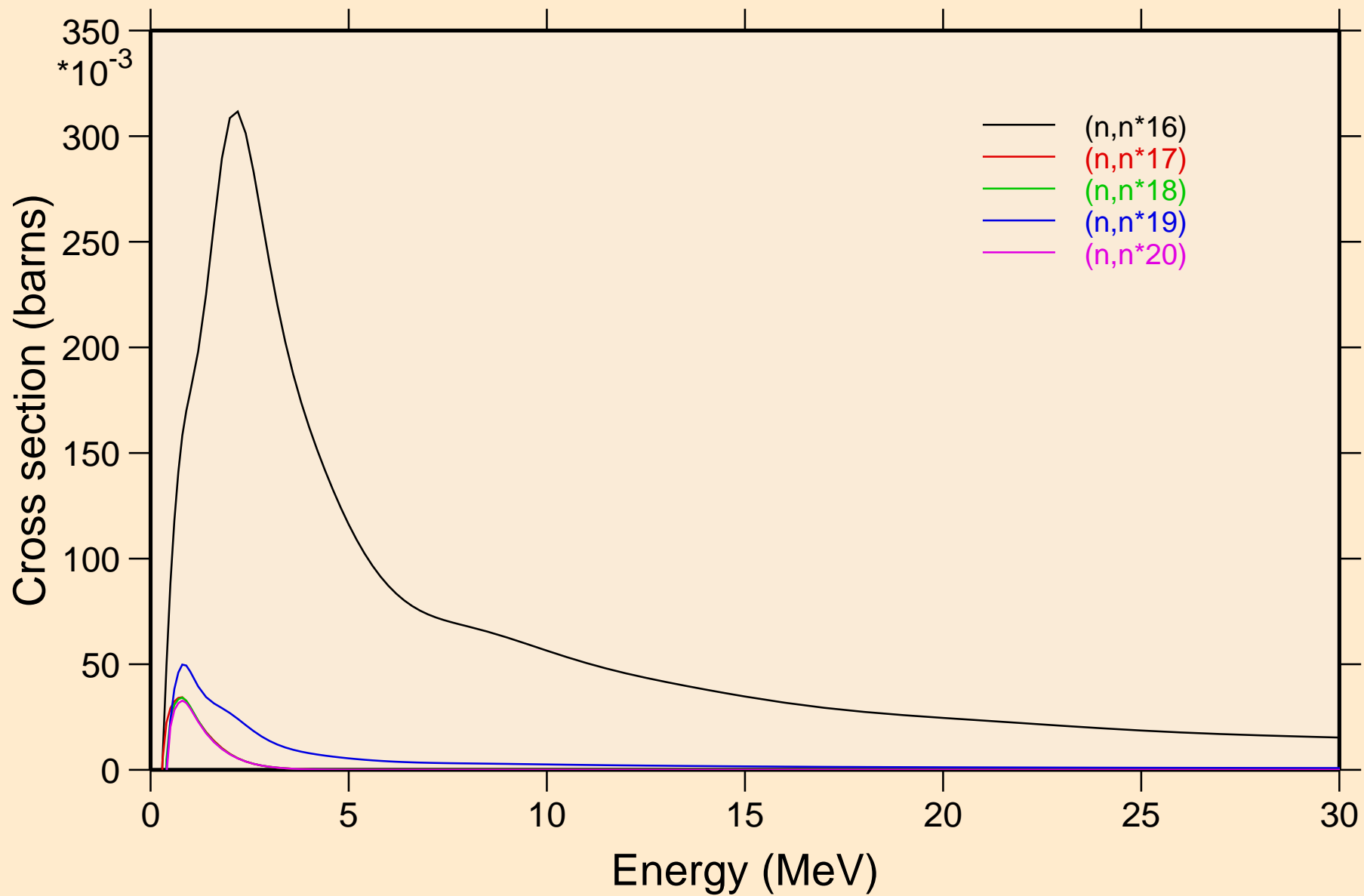
# FR221 NRG TENDL-2015, AKONING

## Inelastic levels



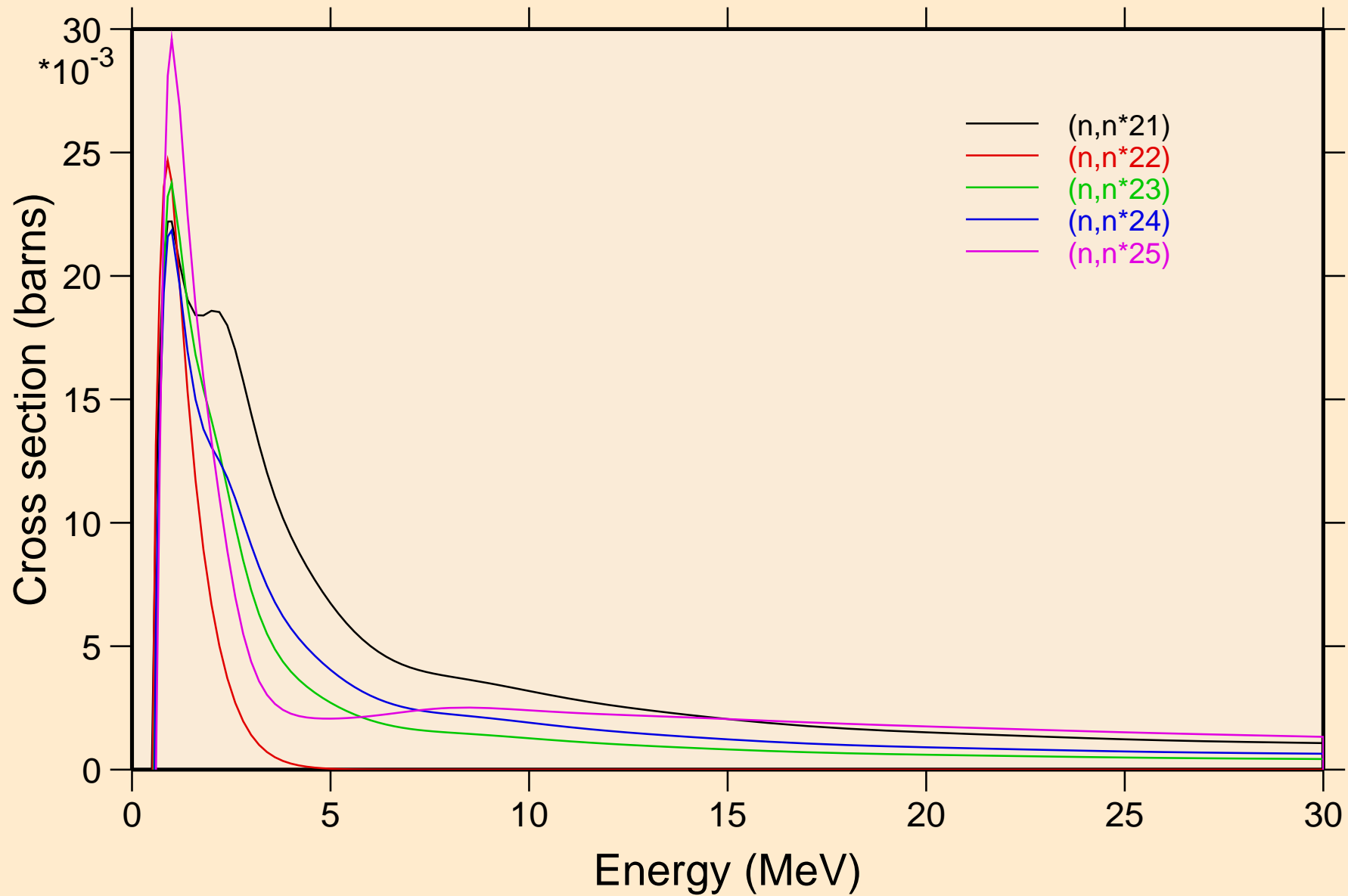
# FR221 NRG TENDL-2015, AKONING

## Inelastic levels



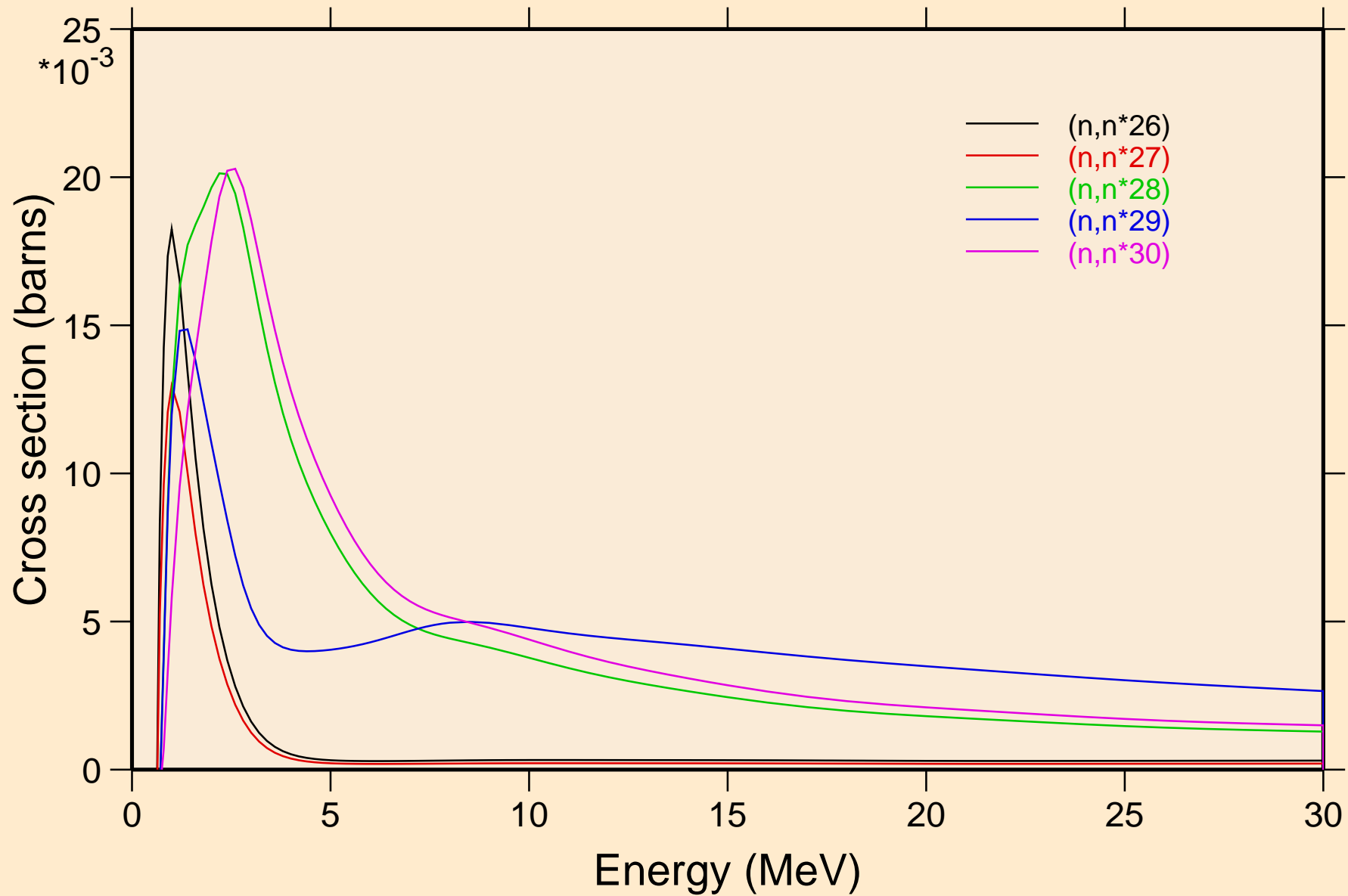
# FR221 NRG TENDL-2015, AKONING

## Inelastic levels



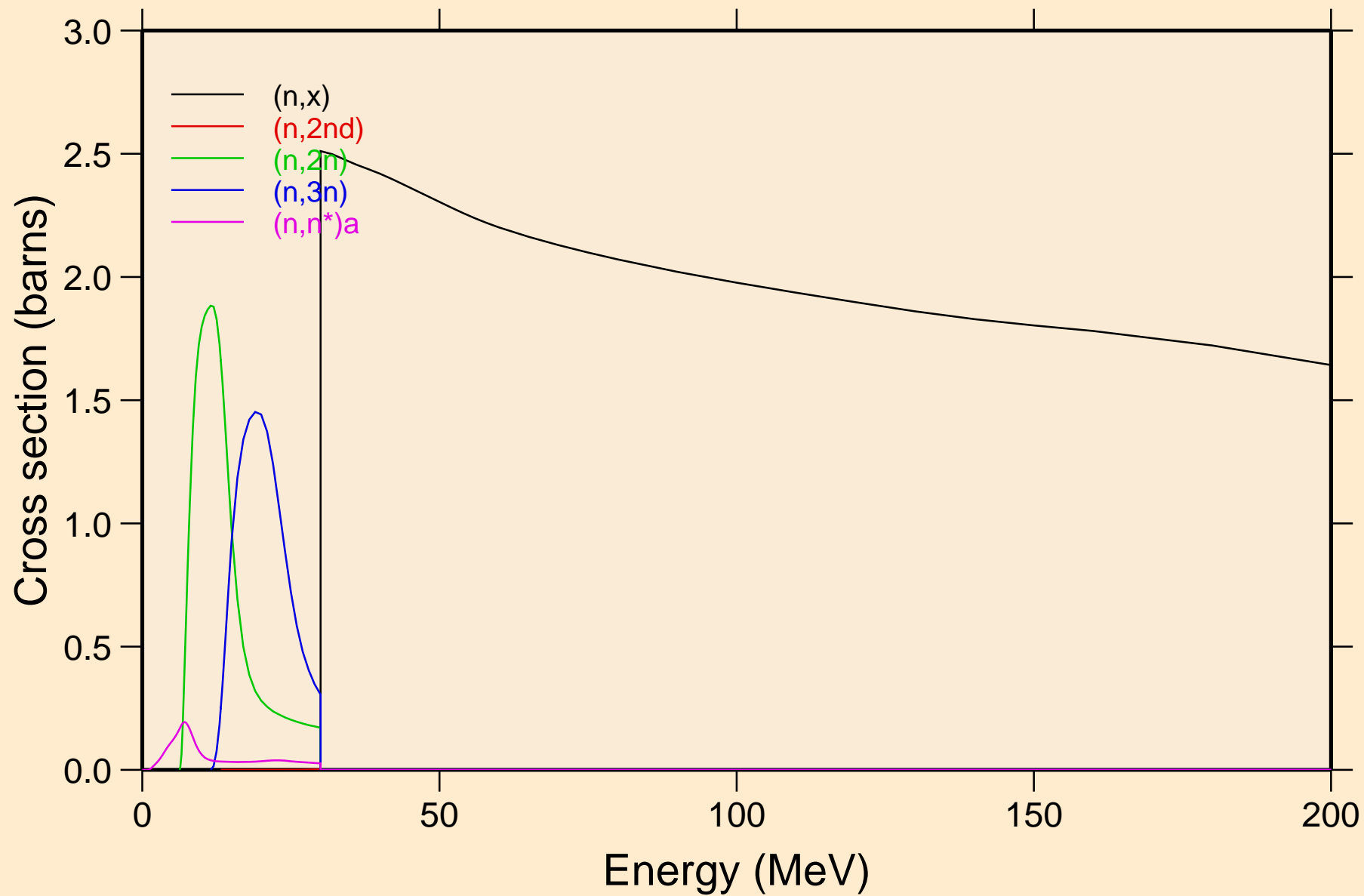
# FR221 NRG TENDL-2015, AKONING

## Inelastic levels



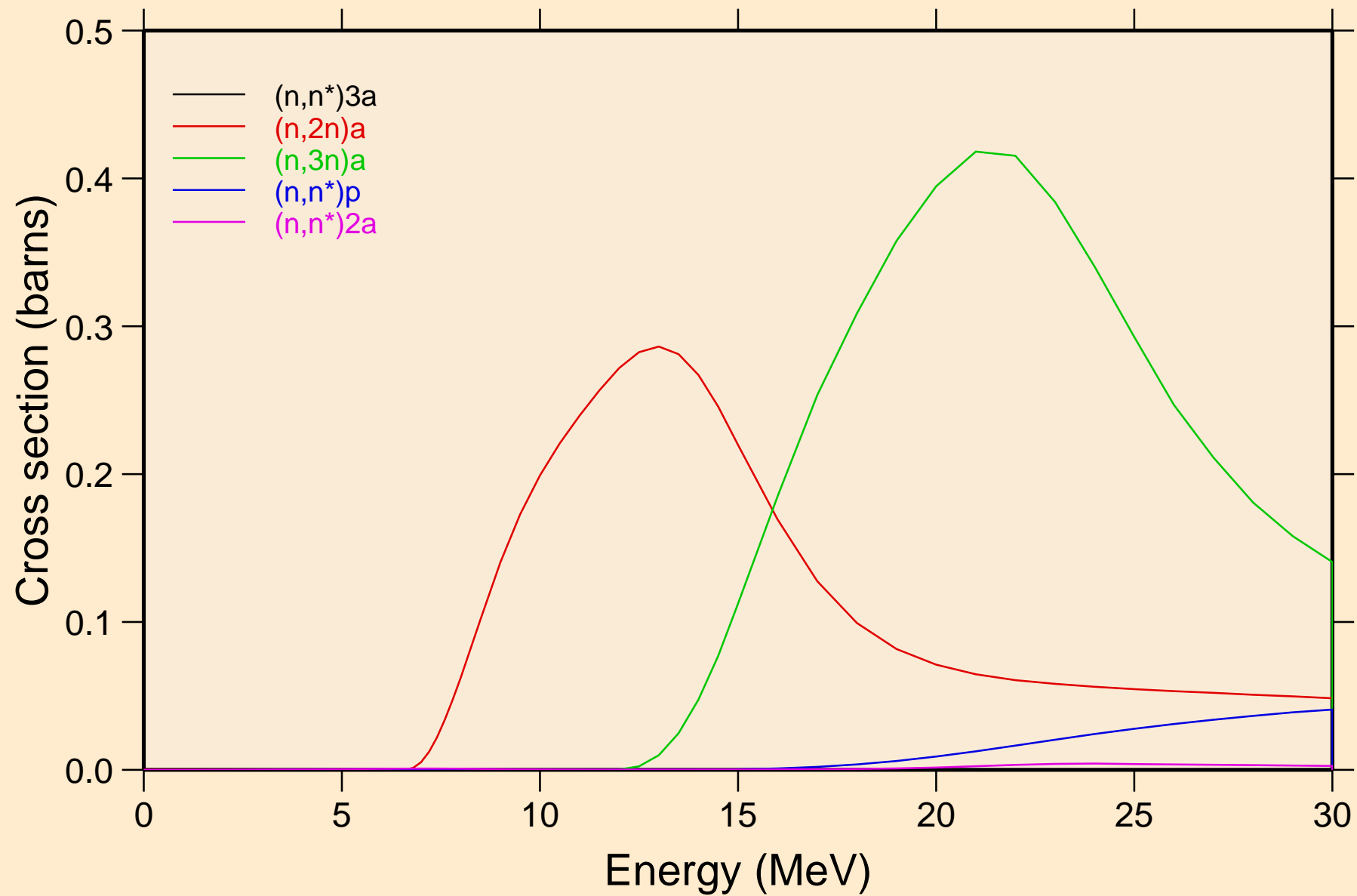
# FR221 NRG TENDL-2015, AKONING

## Threshold reactions



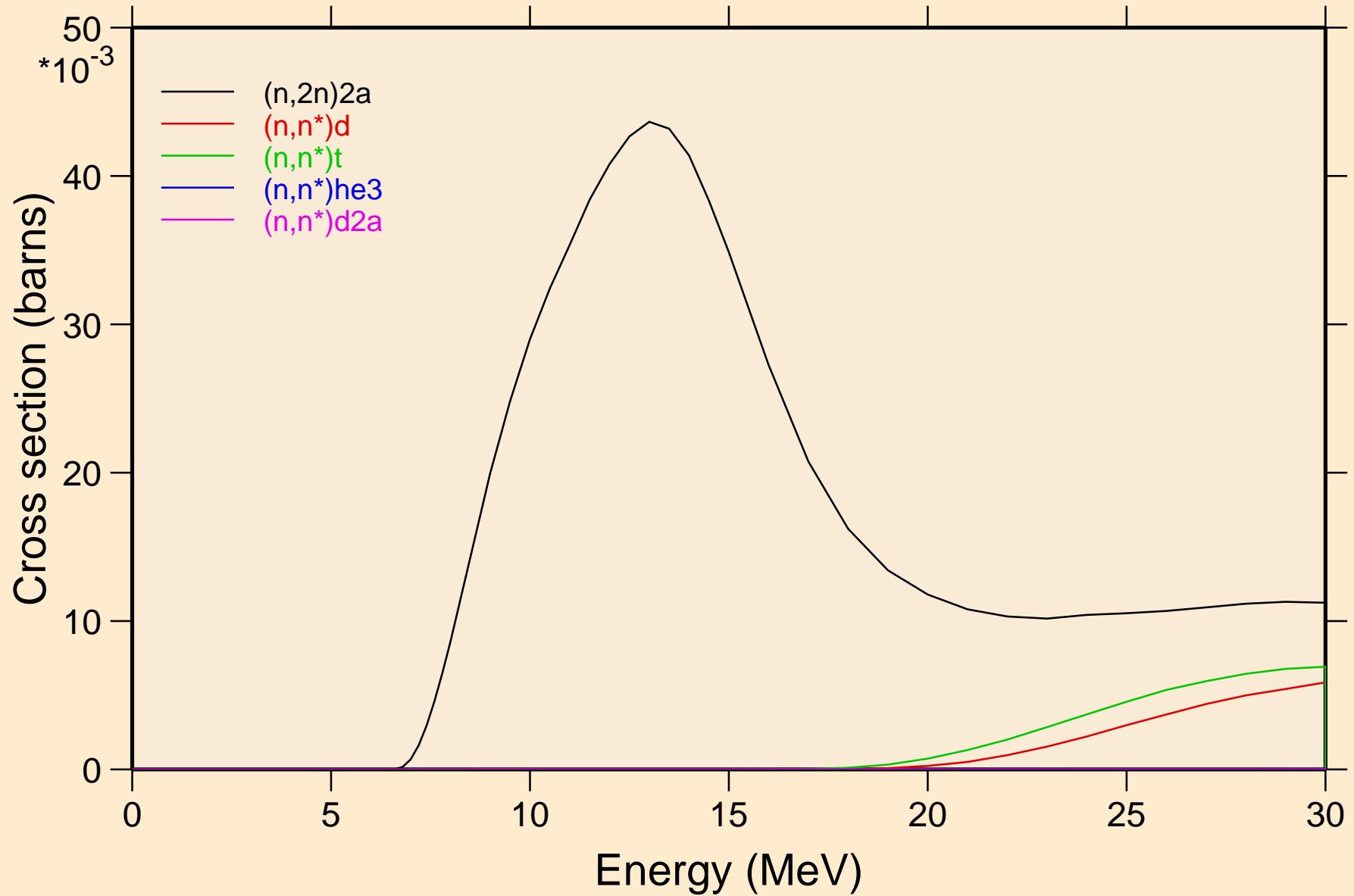
# FR221 NRG TENDL-2015, AKONING

## Threshold reactions



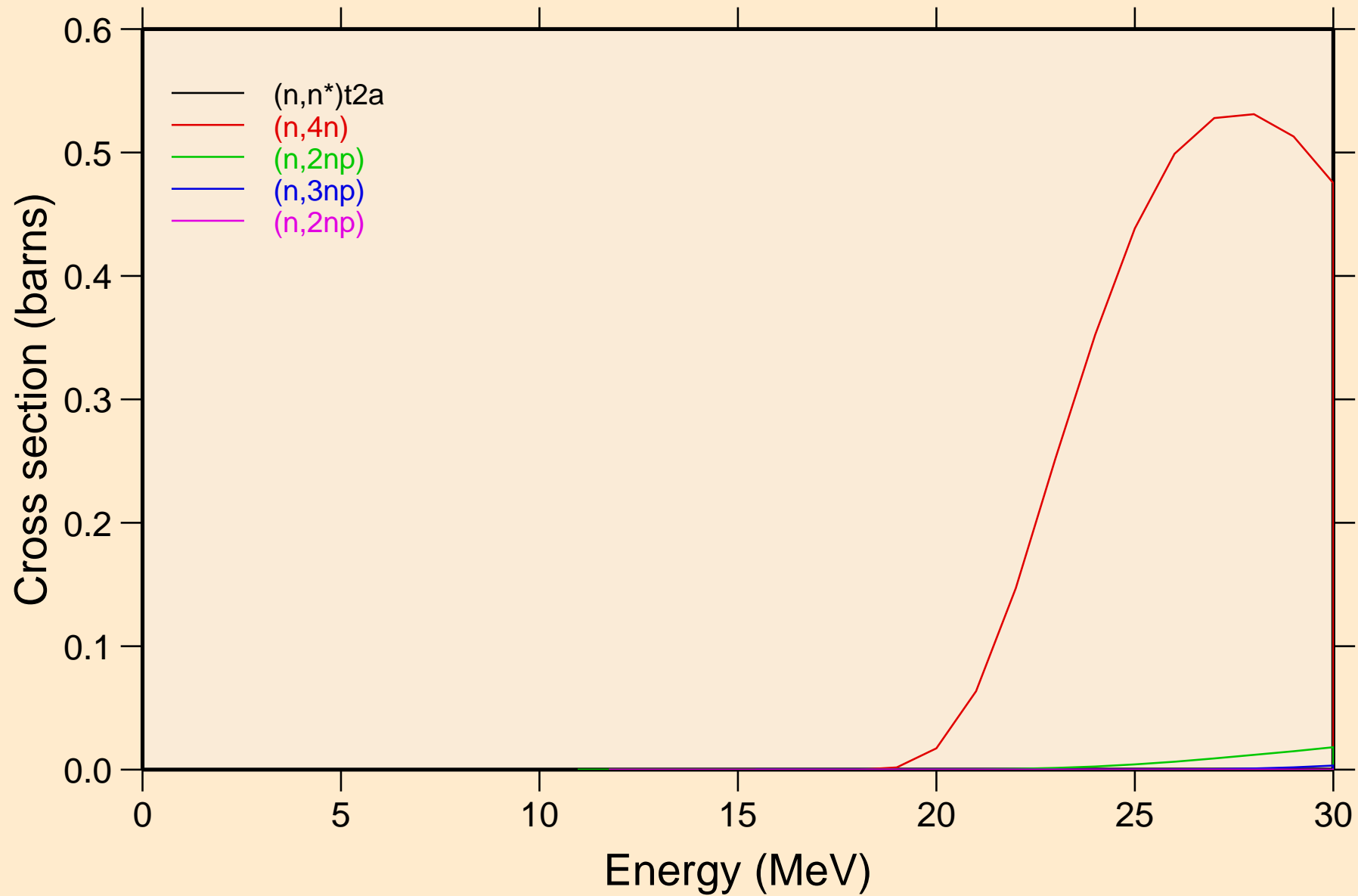
# FR221 NRG TENDL-2015, AKONING

## Threshold reactions



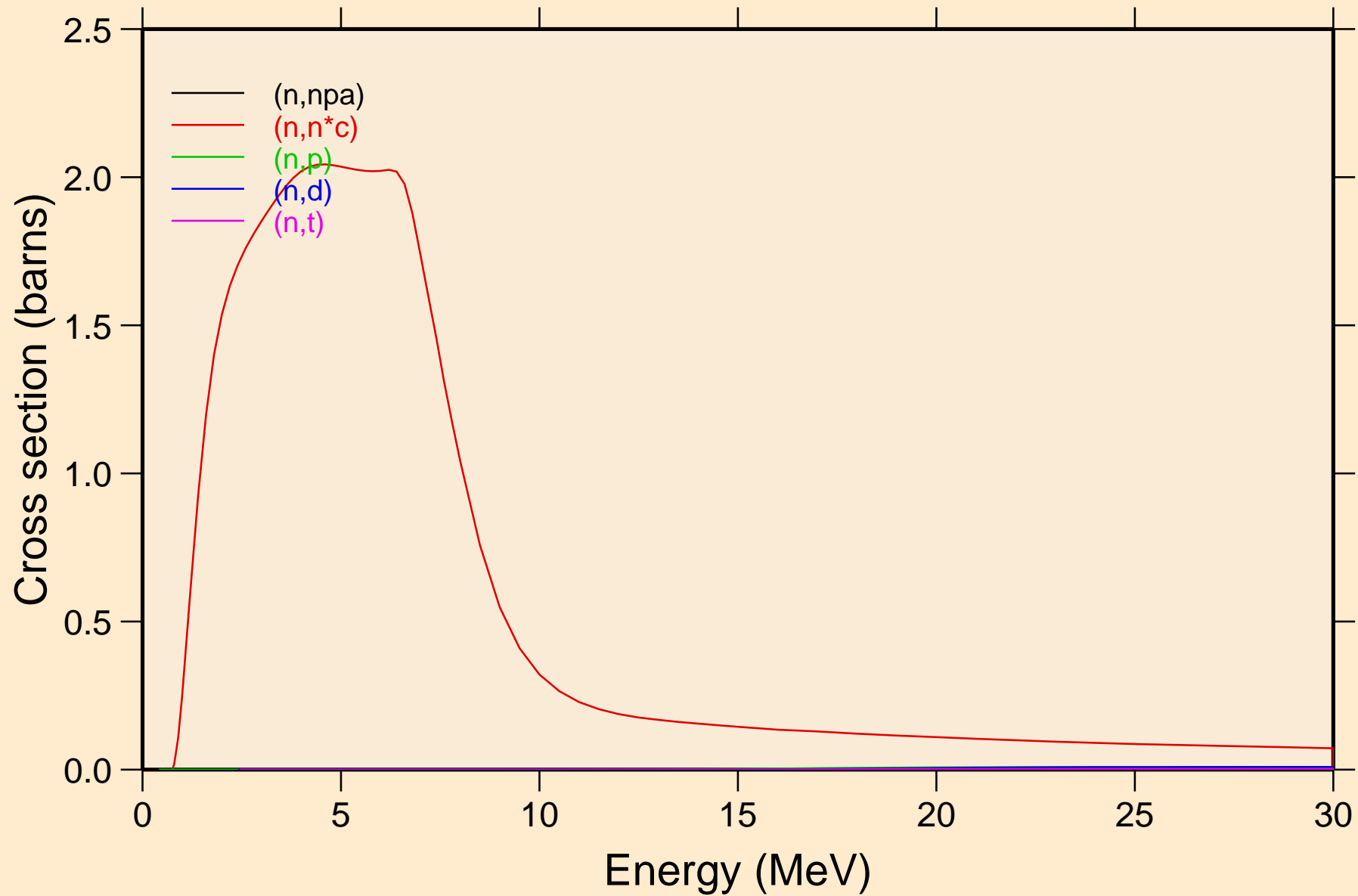
# FR221 NRG TENDL-2015, AKONING

## Threshold reactions



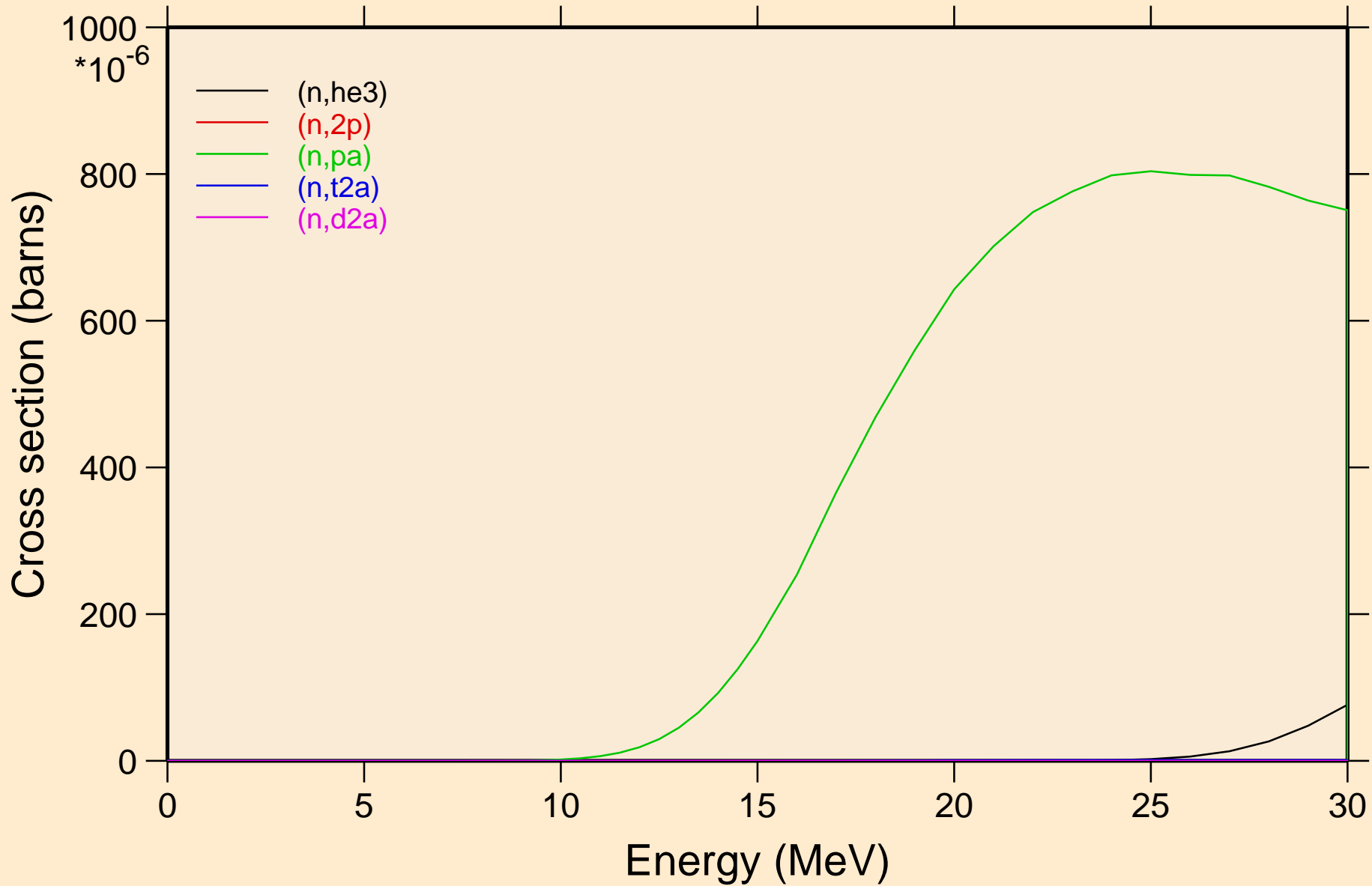
# FR221 NRG TENDL-2015, AKONING

## Threshold reactions



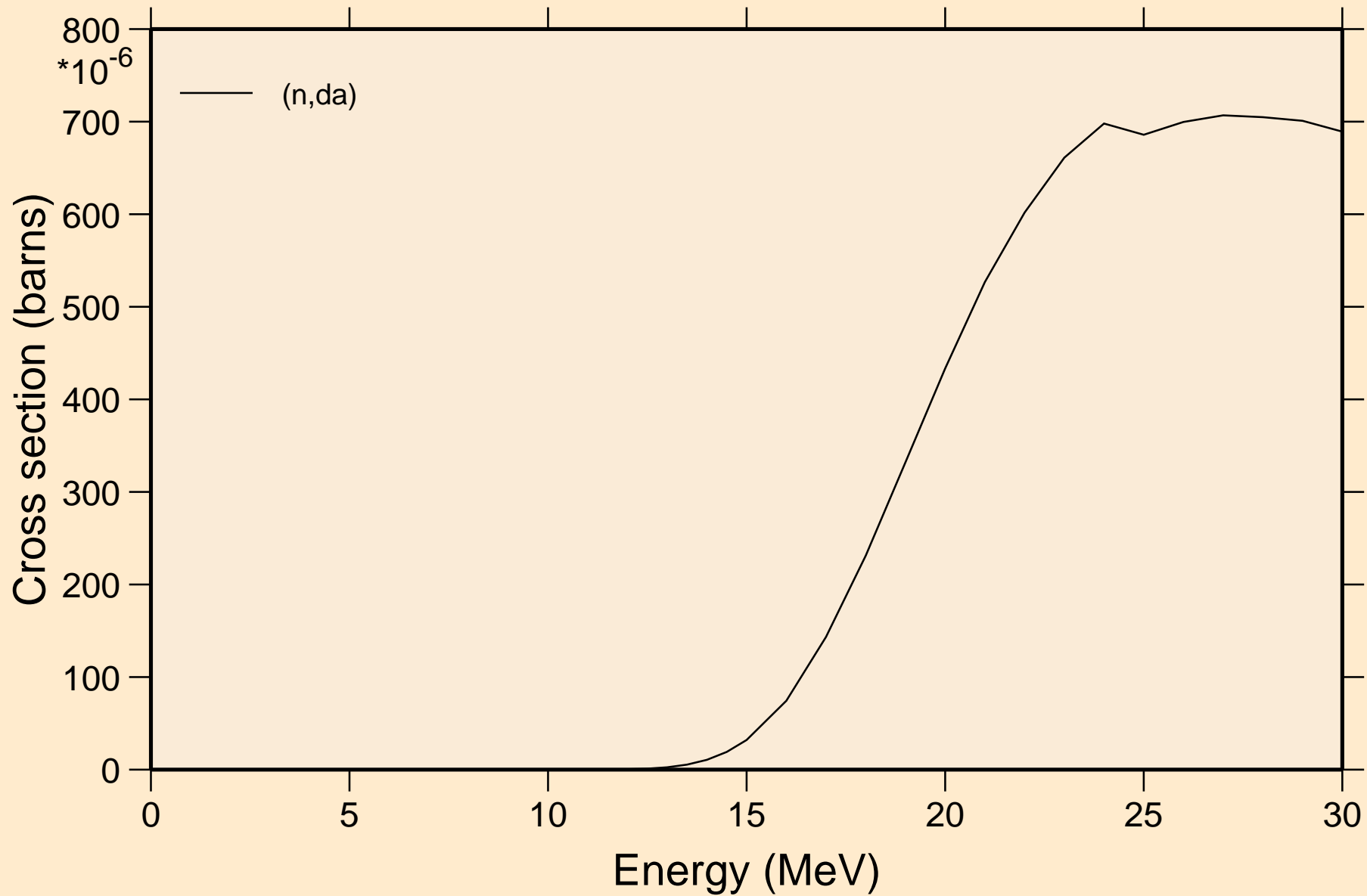
# FR221 NRG TENDL-2015, AKONING

## Threshold reactions

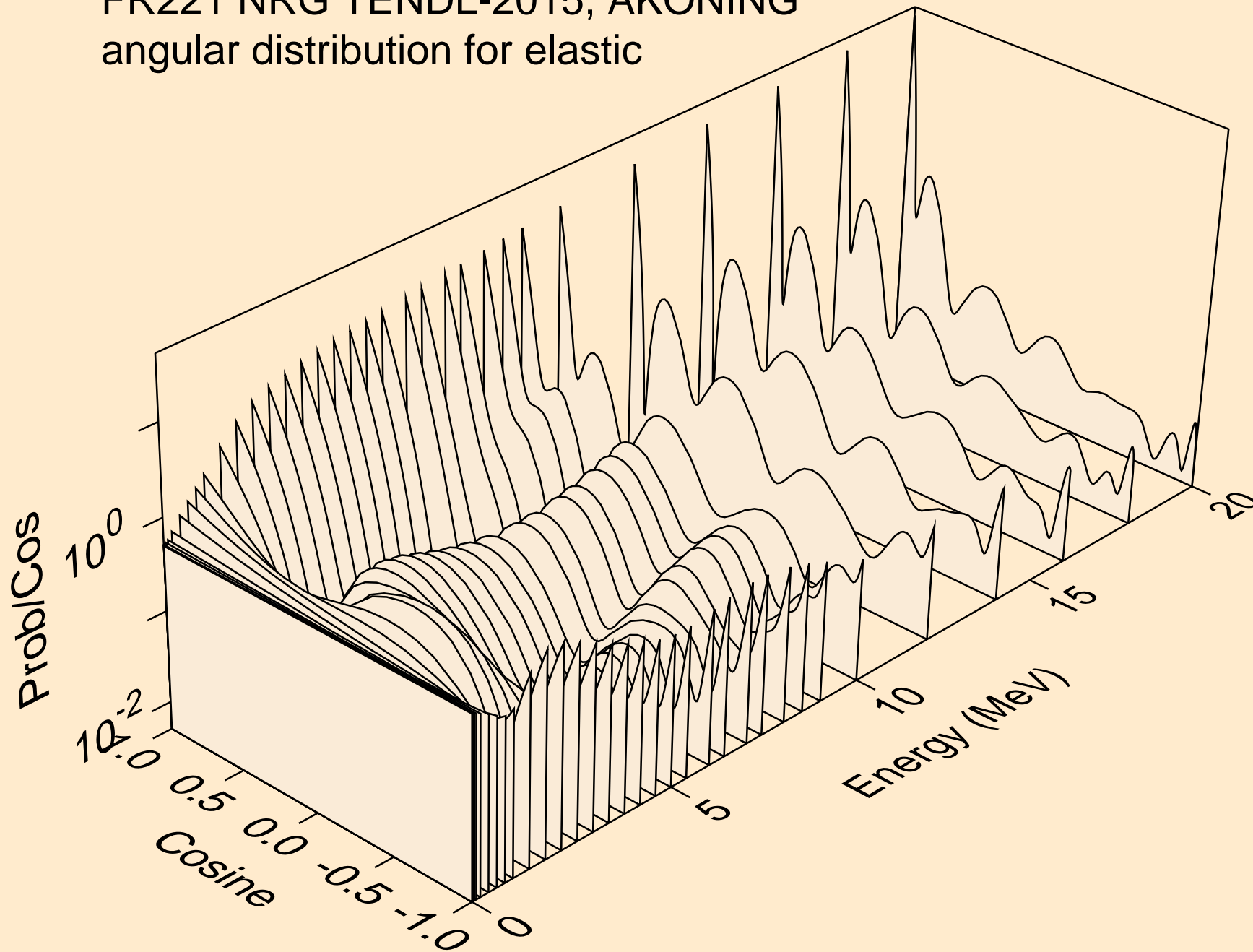


# FR221 NRG TENDL-2015, AKONING

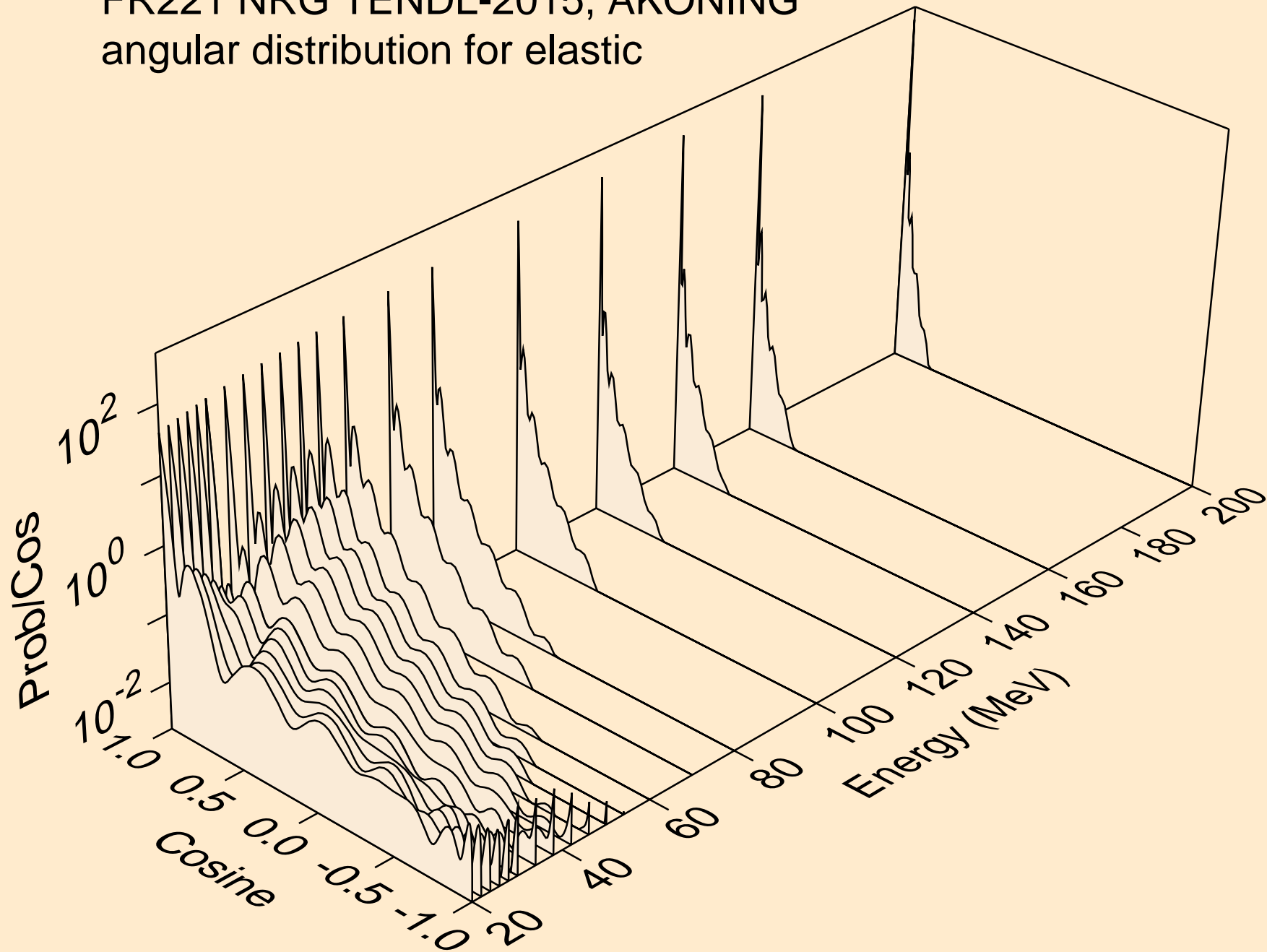
## Threshold reactions



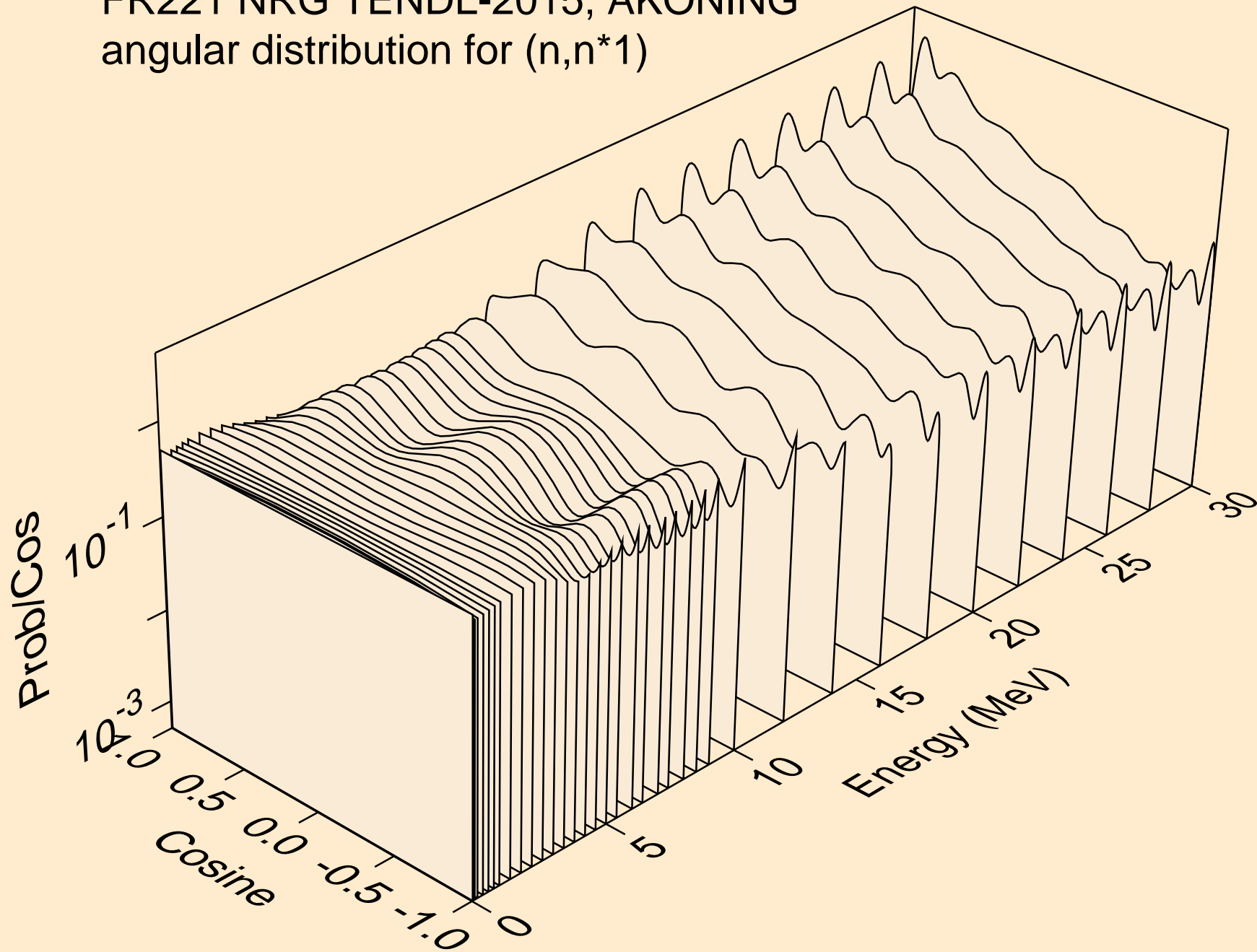
FR221 NRG TENDL-2015, AKONING  
angular distribution for elastic



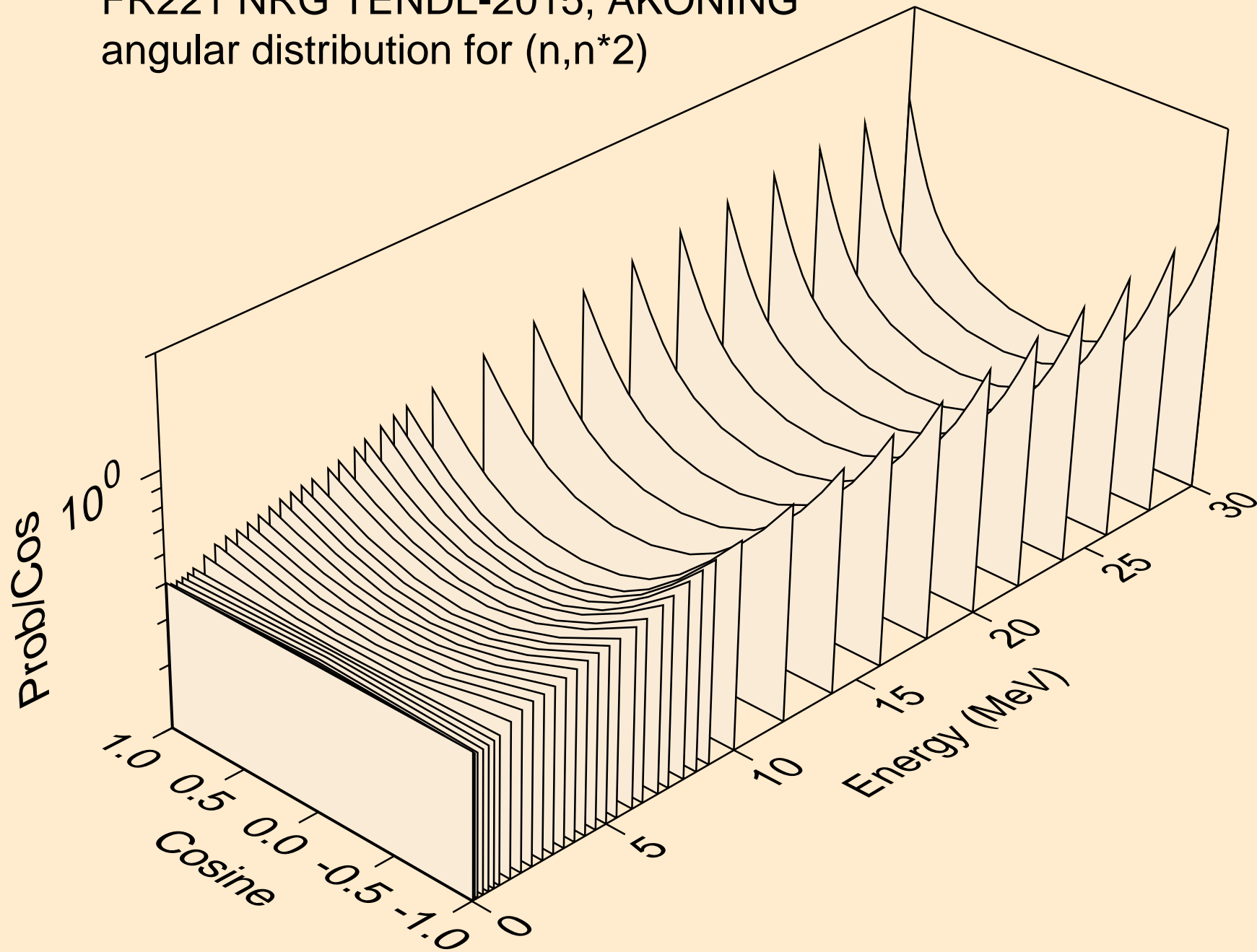
FR221 NRG TENDL-2015, AKONING  
angular distribution for elastic



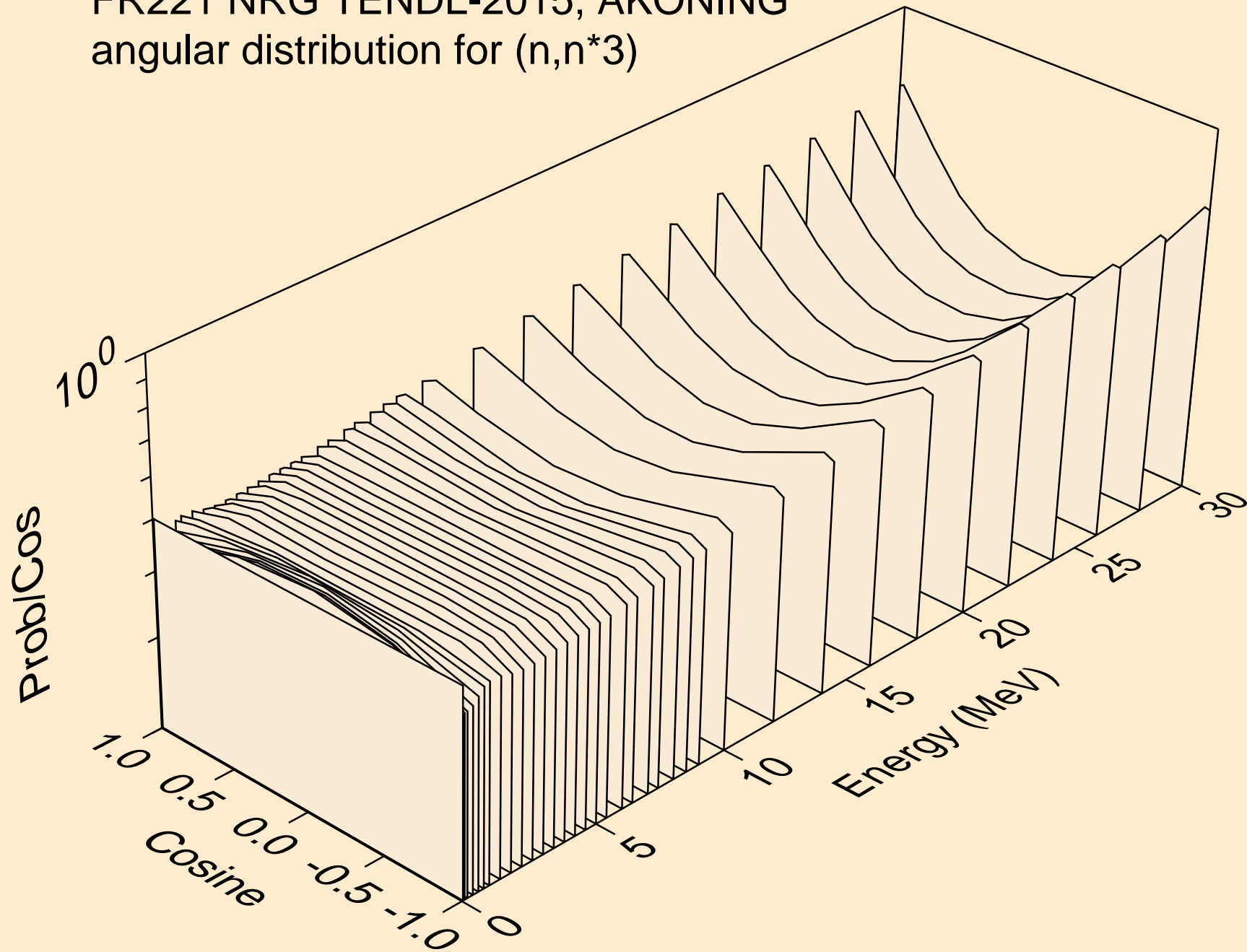
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



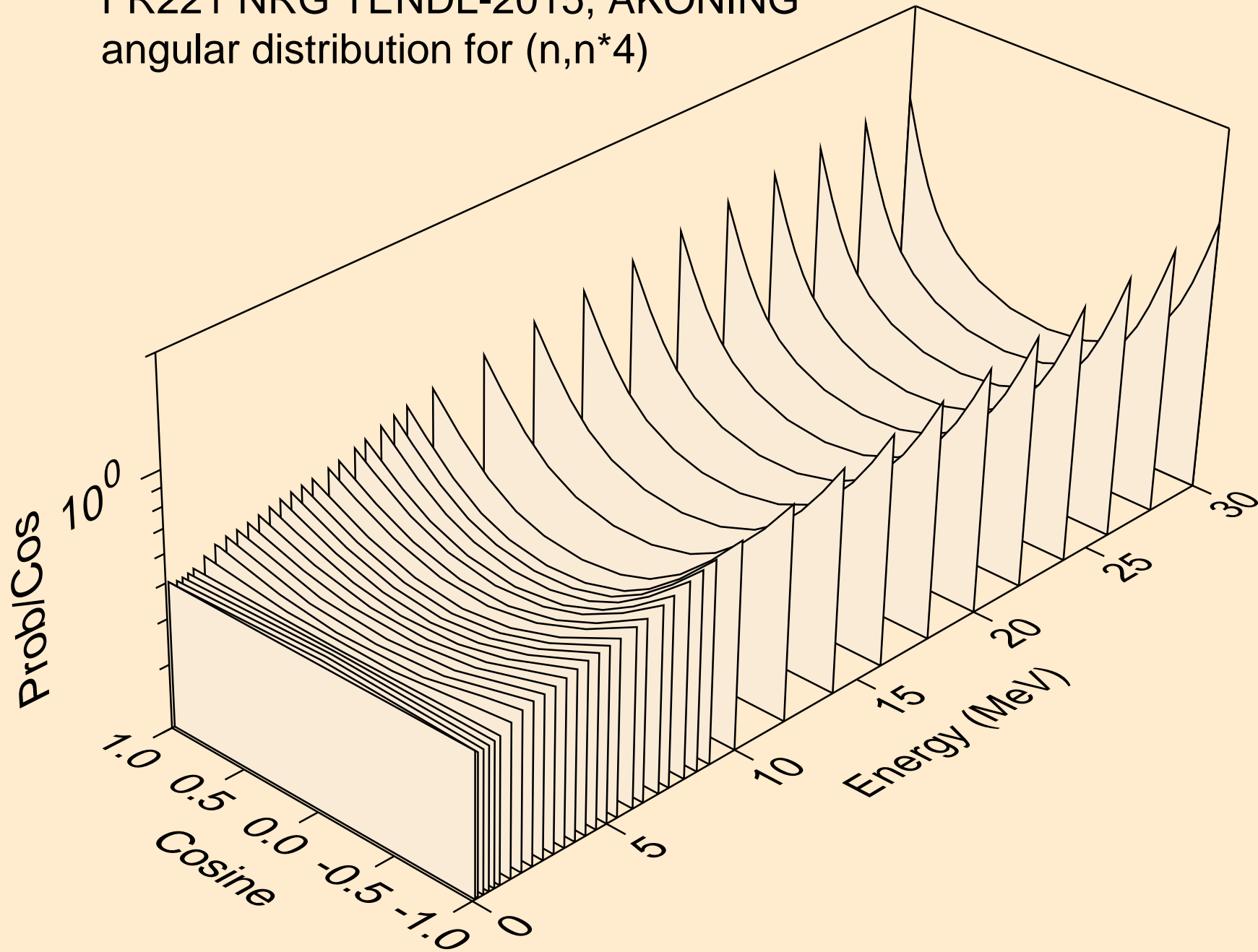
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



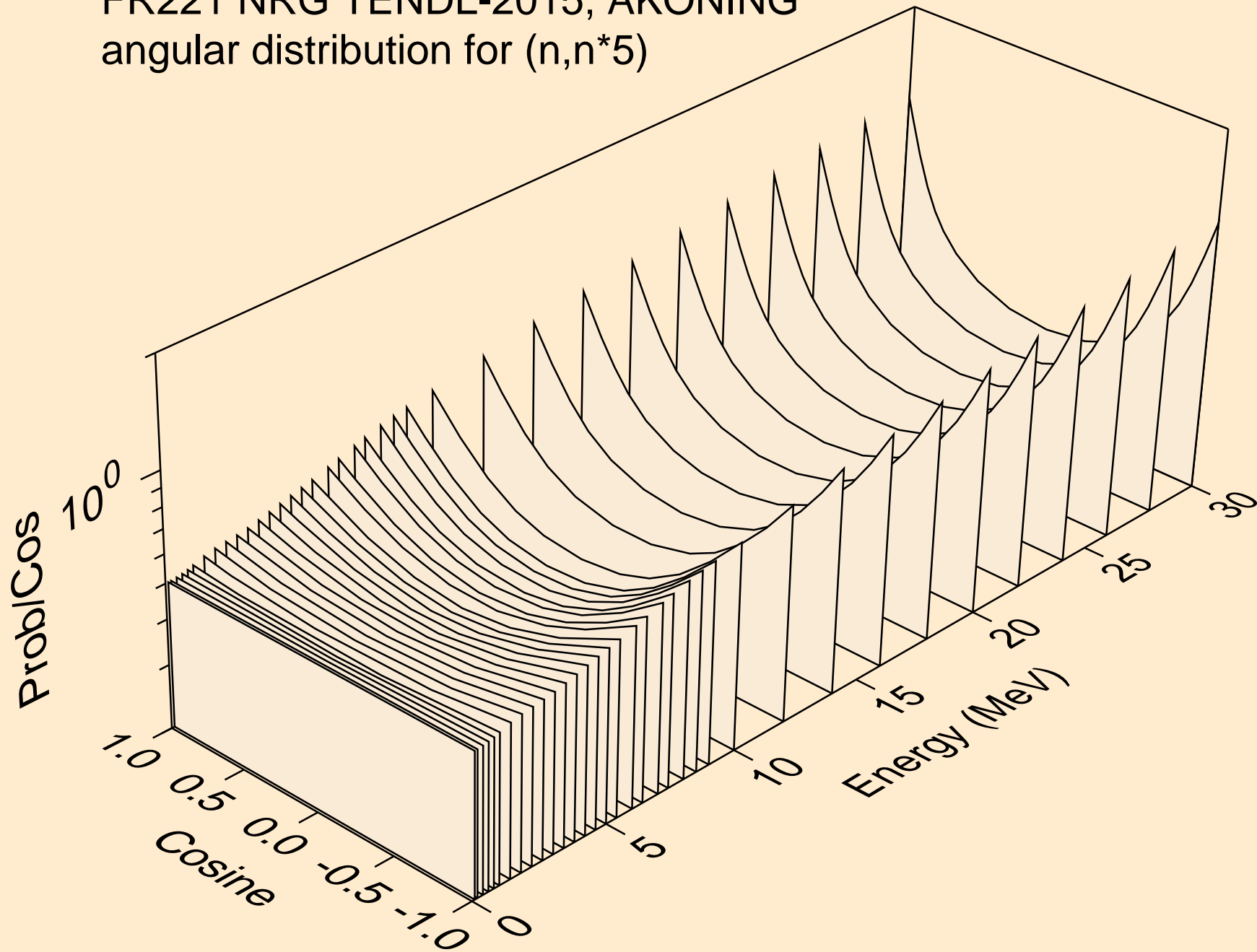
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



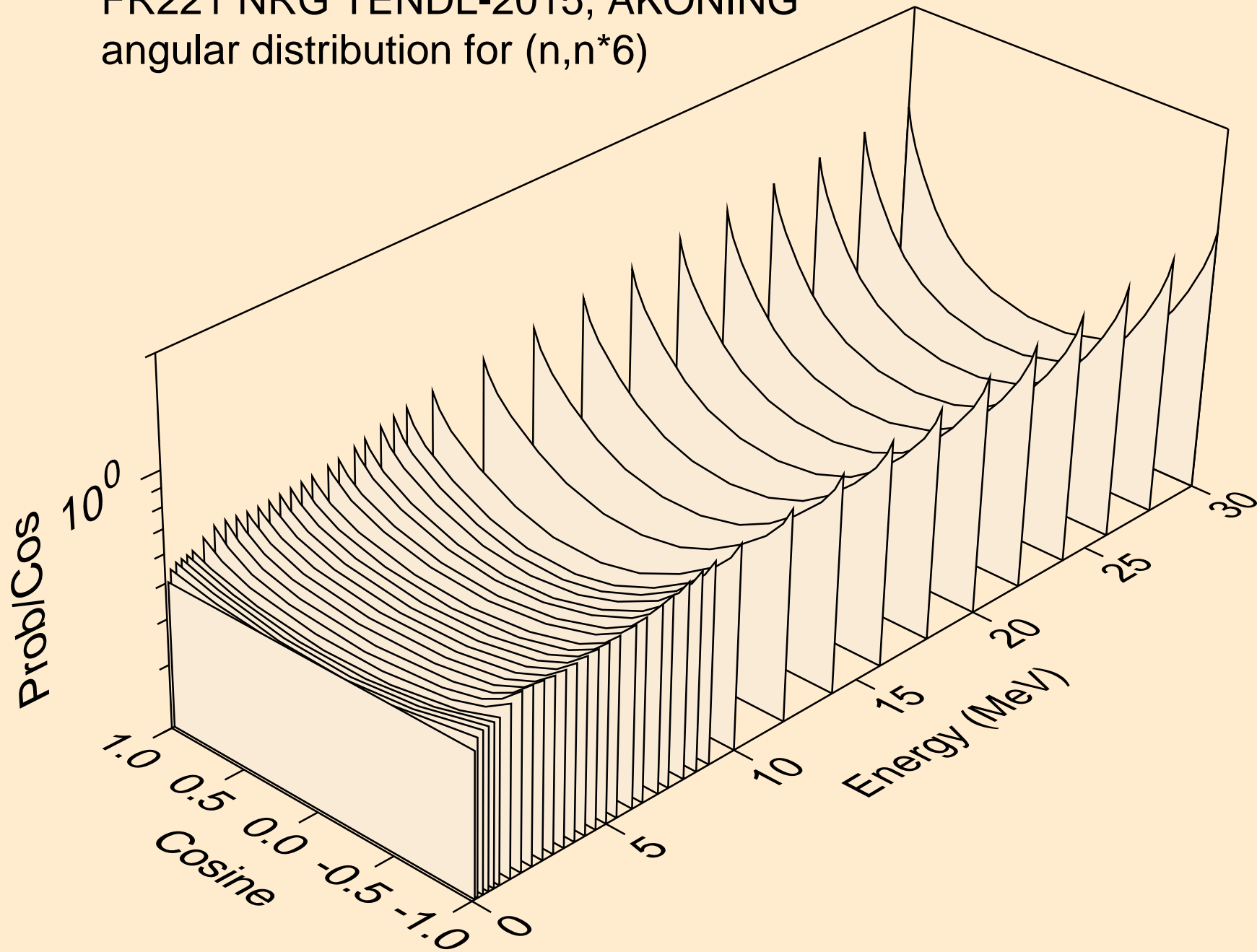
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



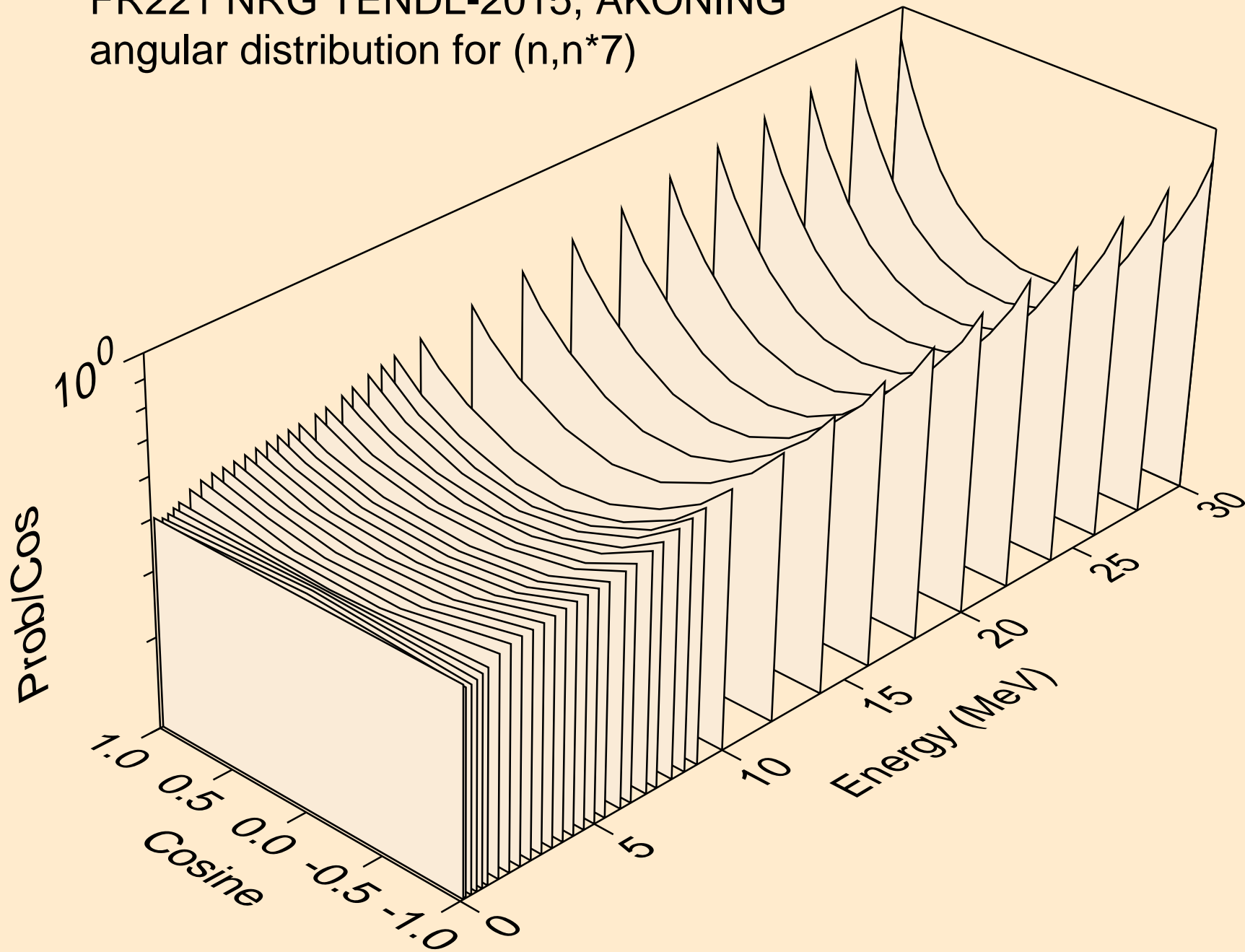
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)



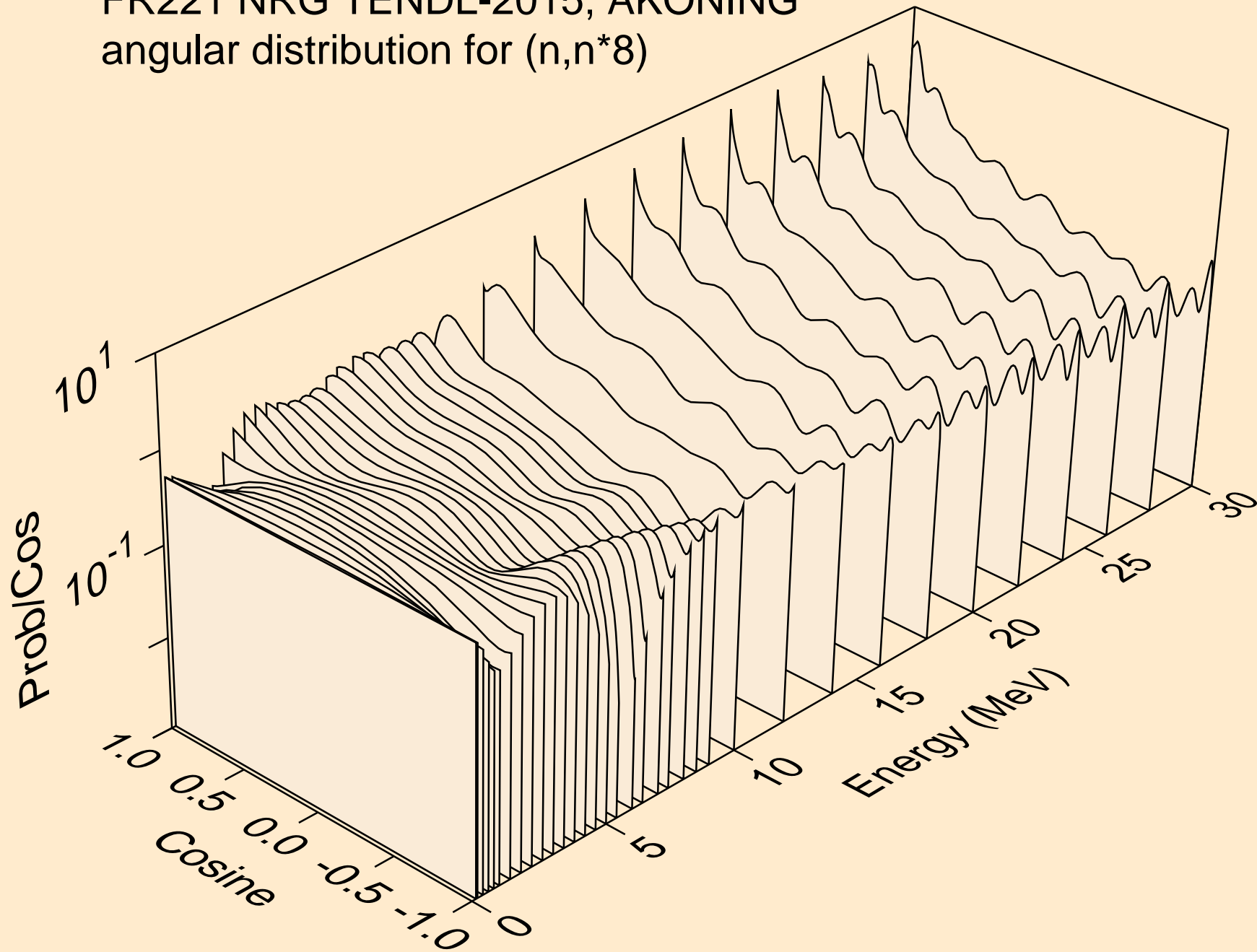
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



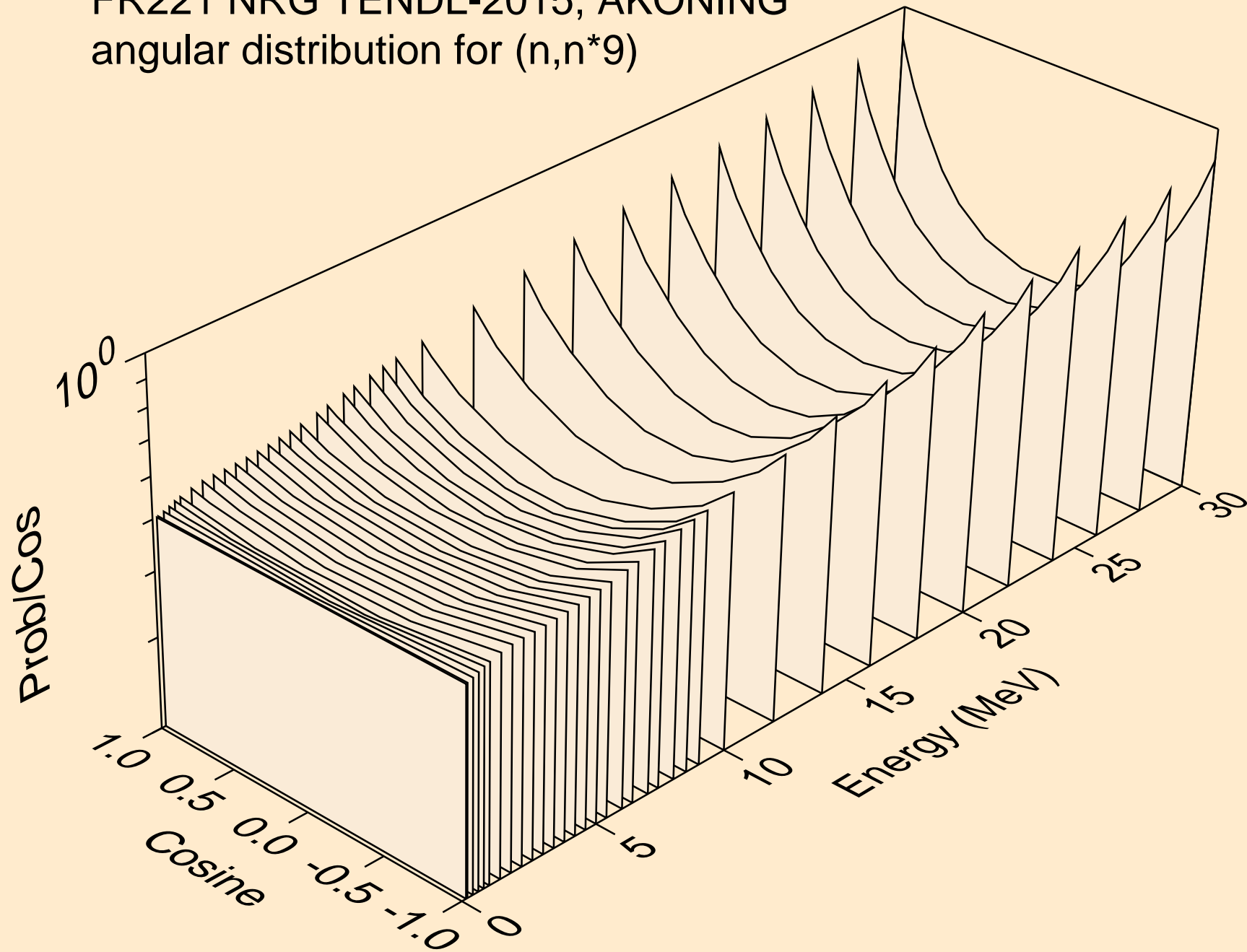
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



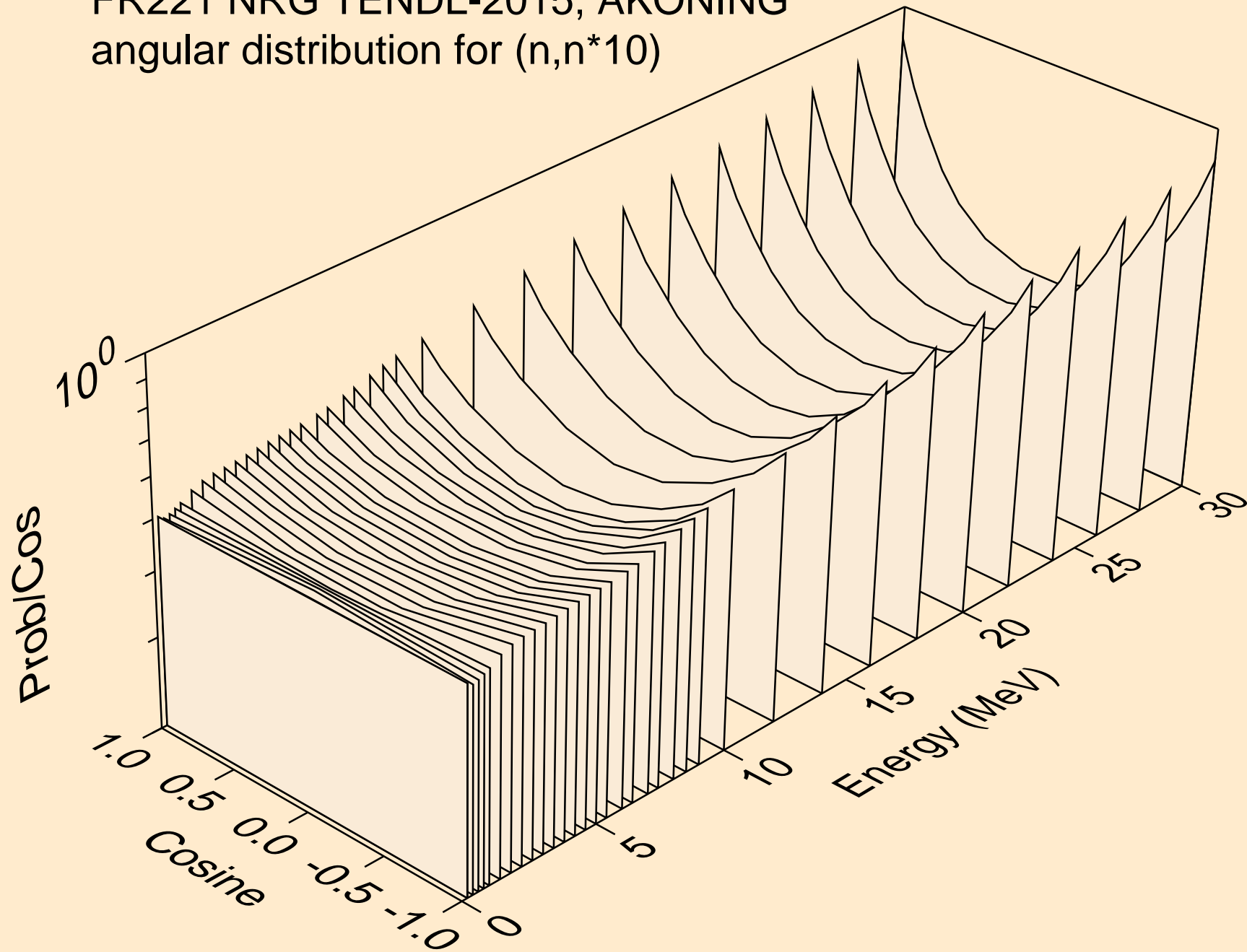
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



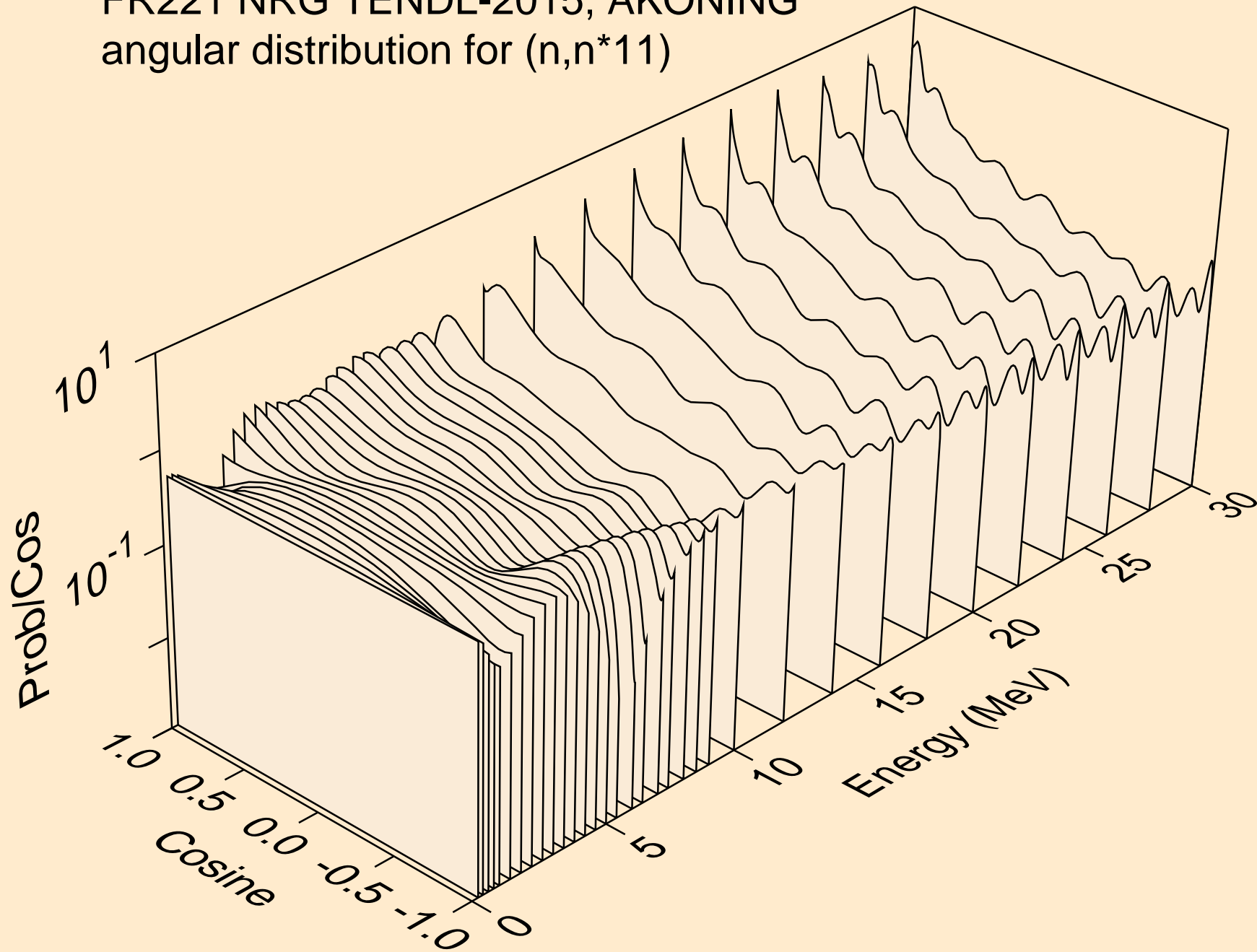
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angular distribution for (n,n\*9)



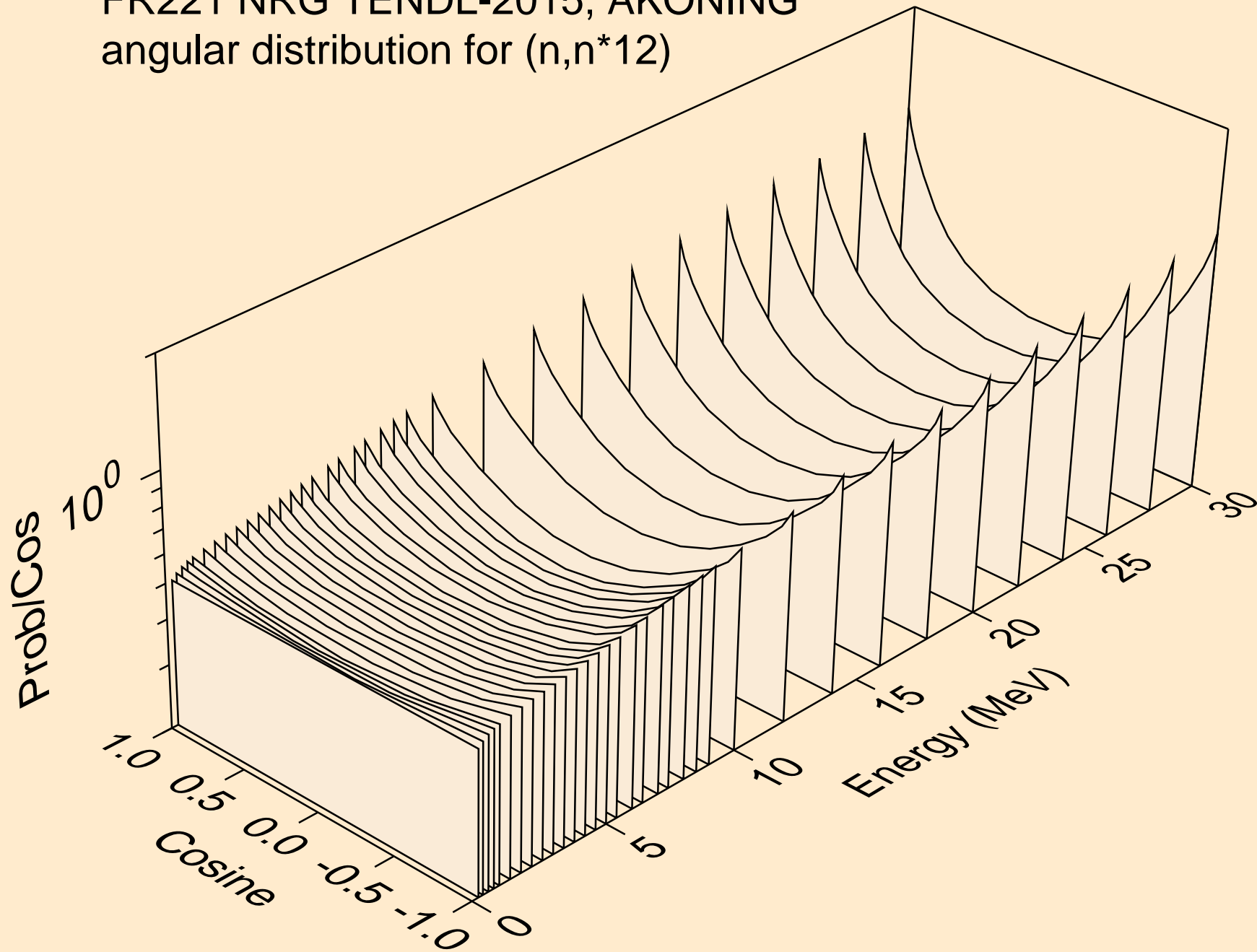
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



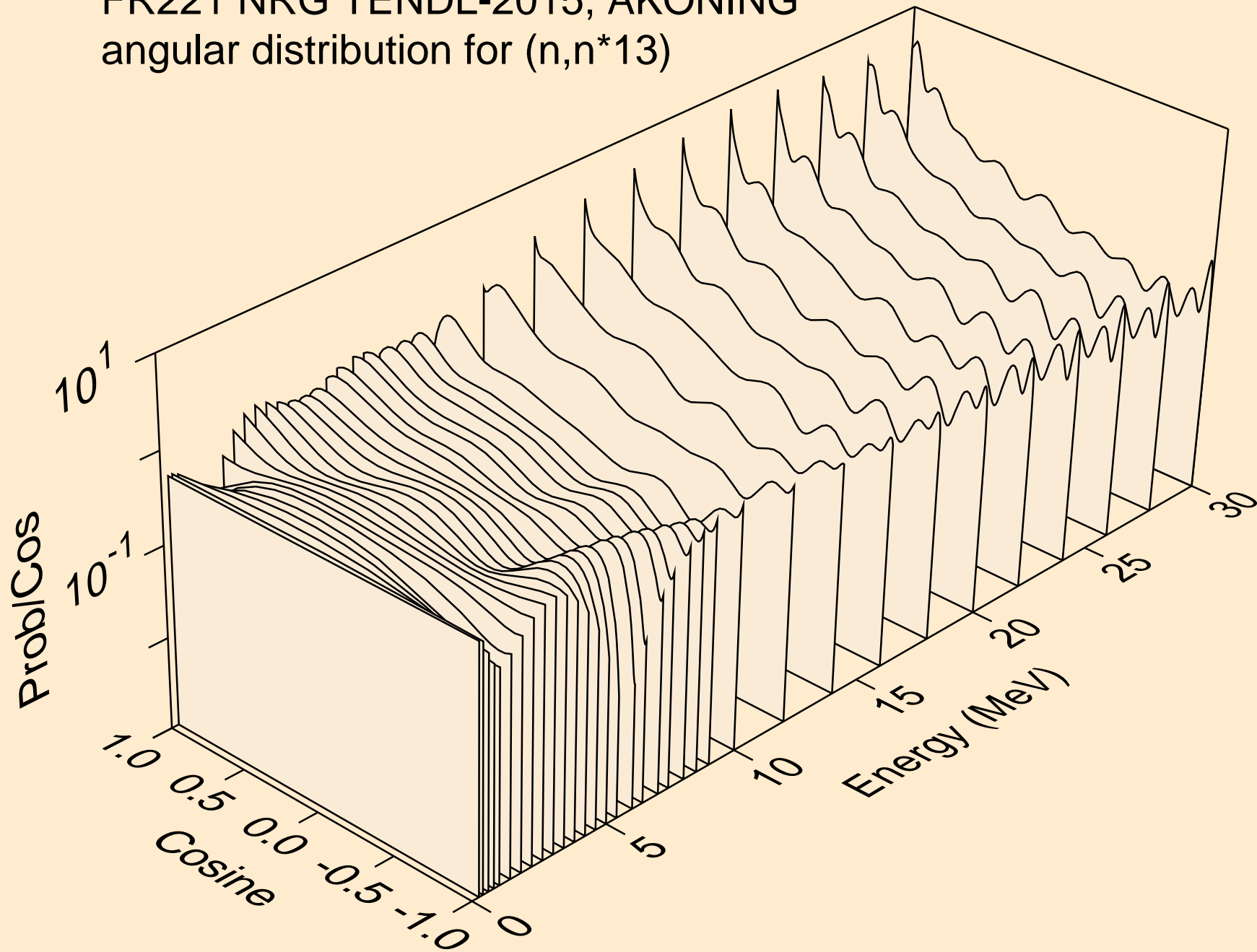
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



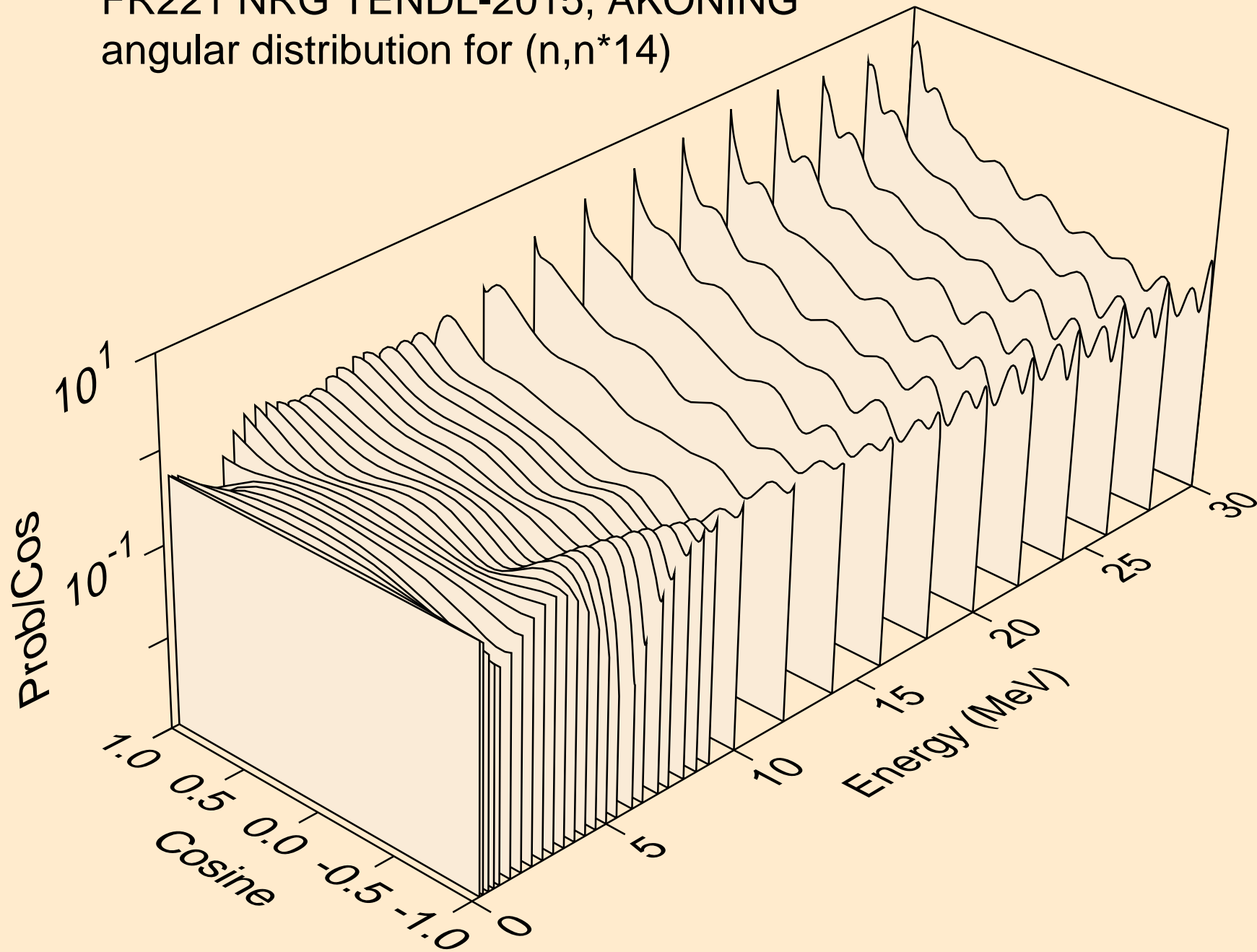
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



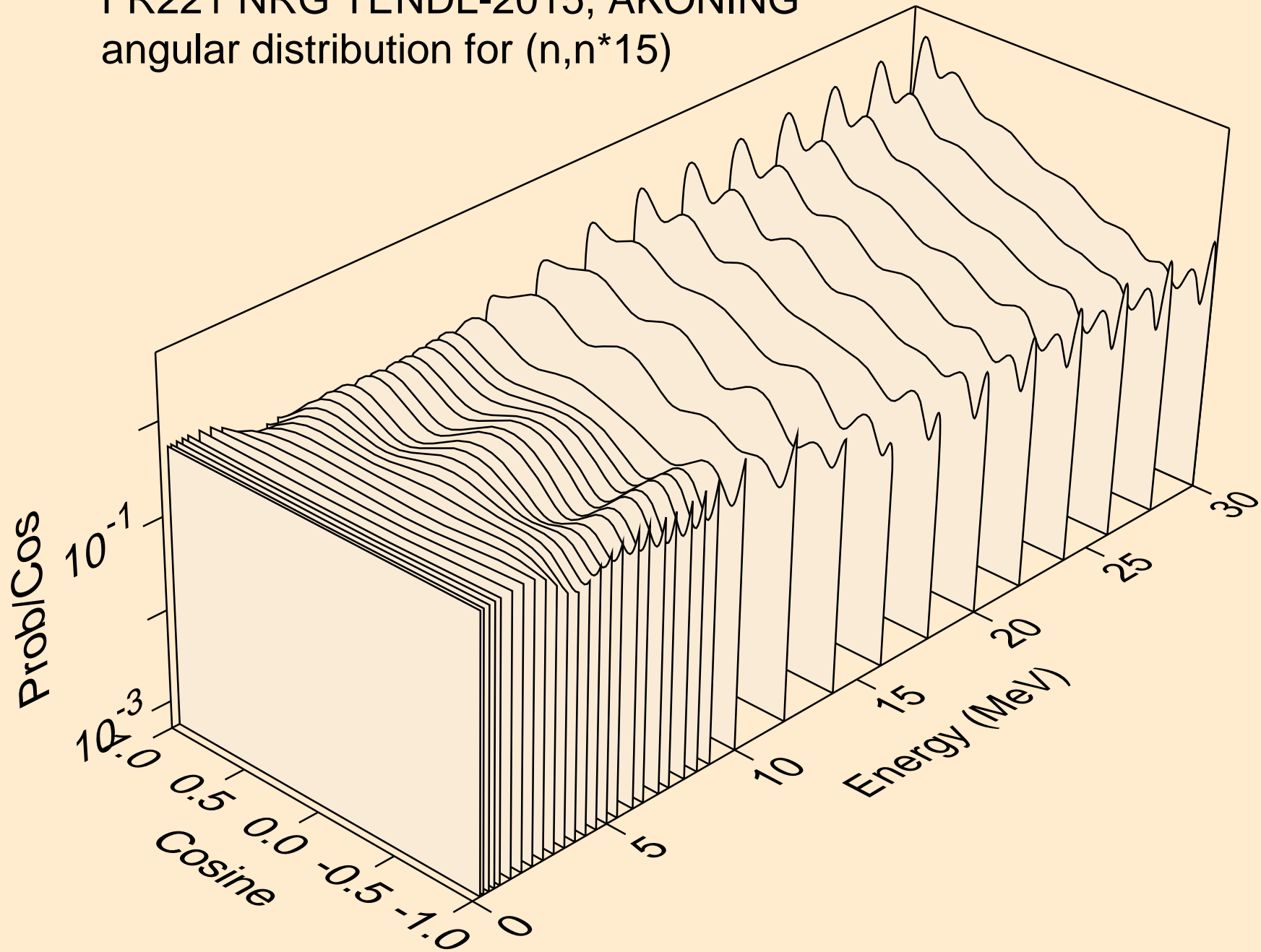
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



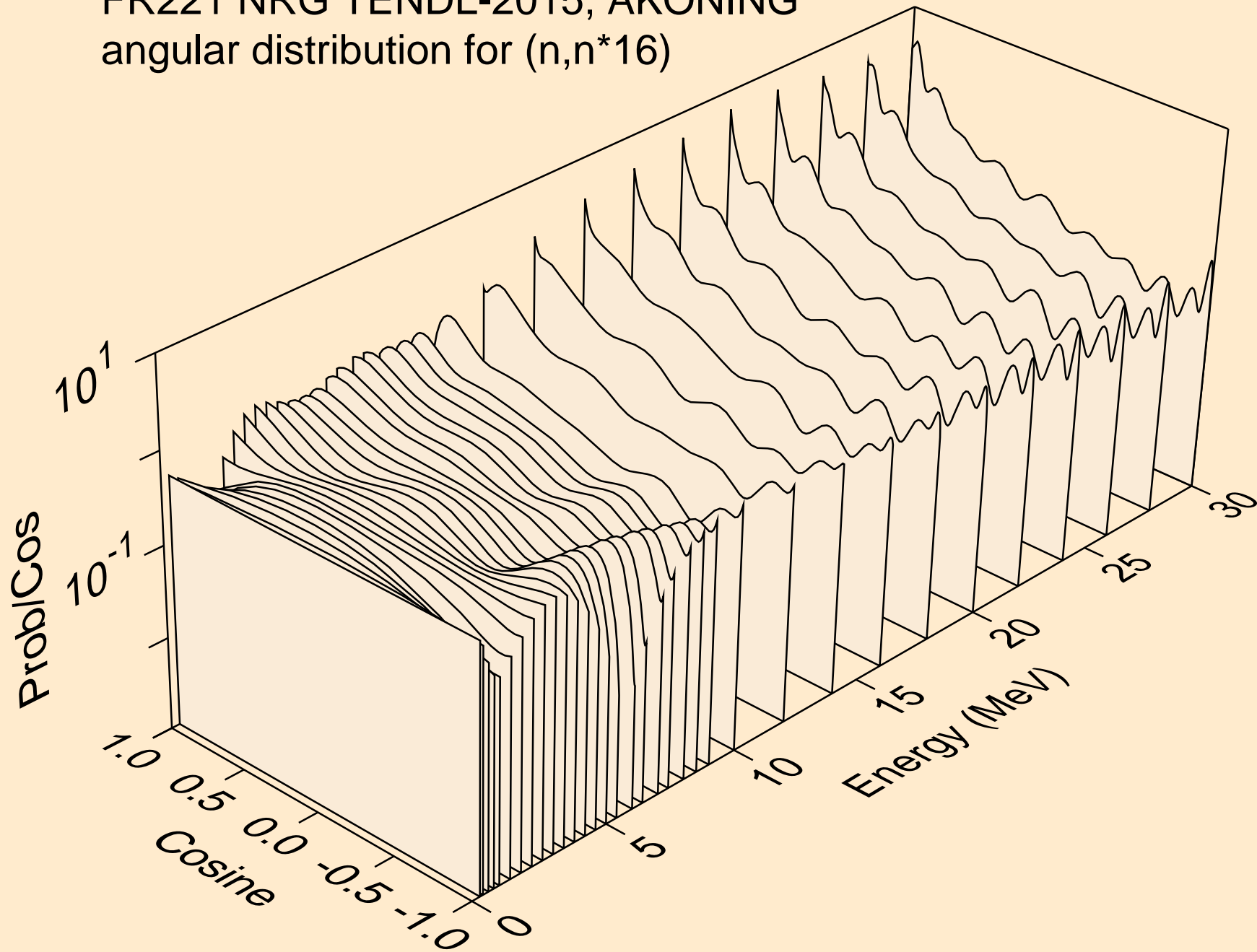
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



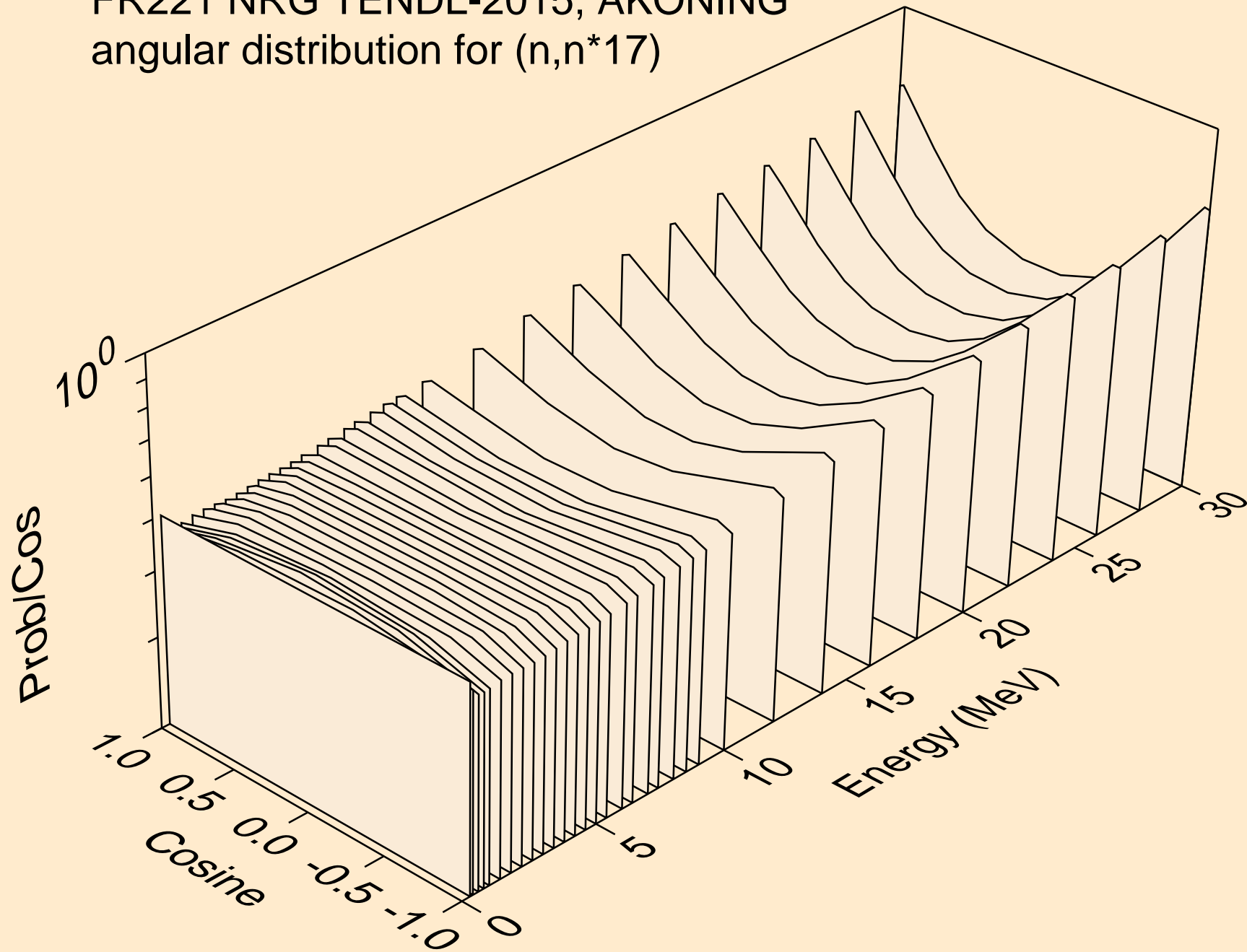
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angular distribution for (n,n\*15)



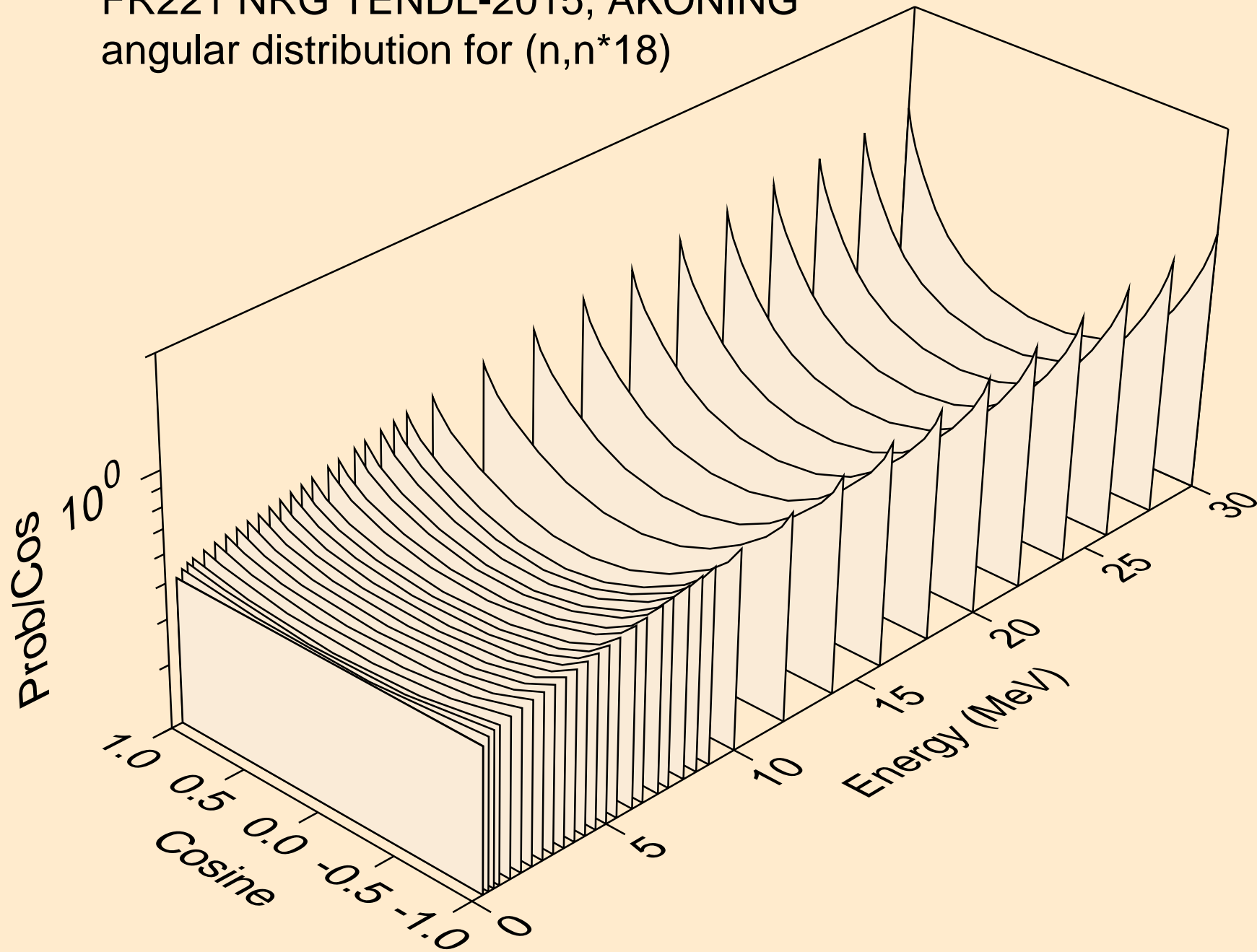
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



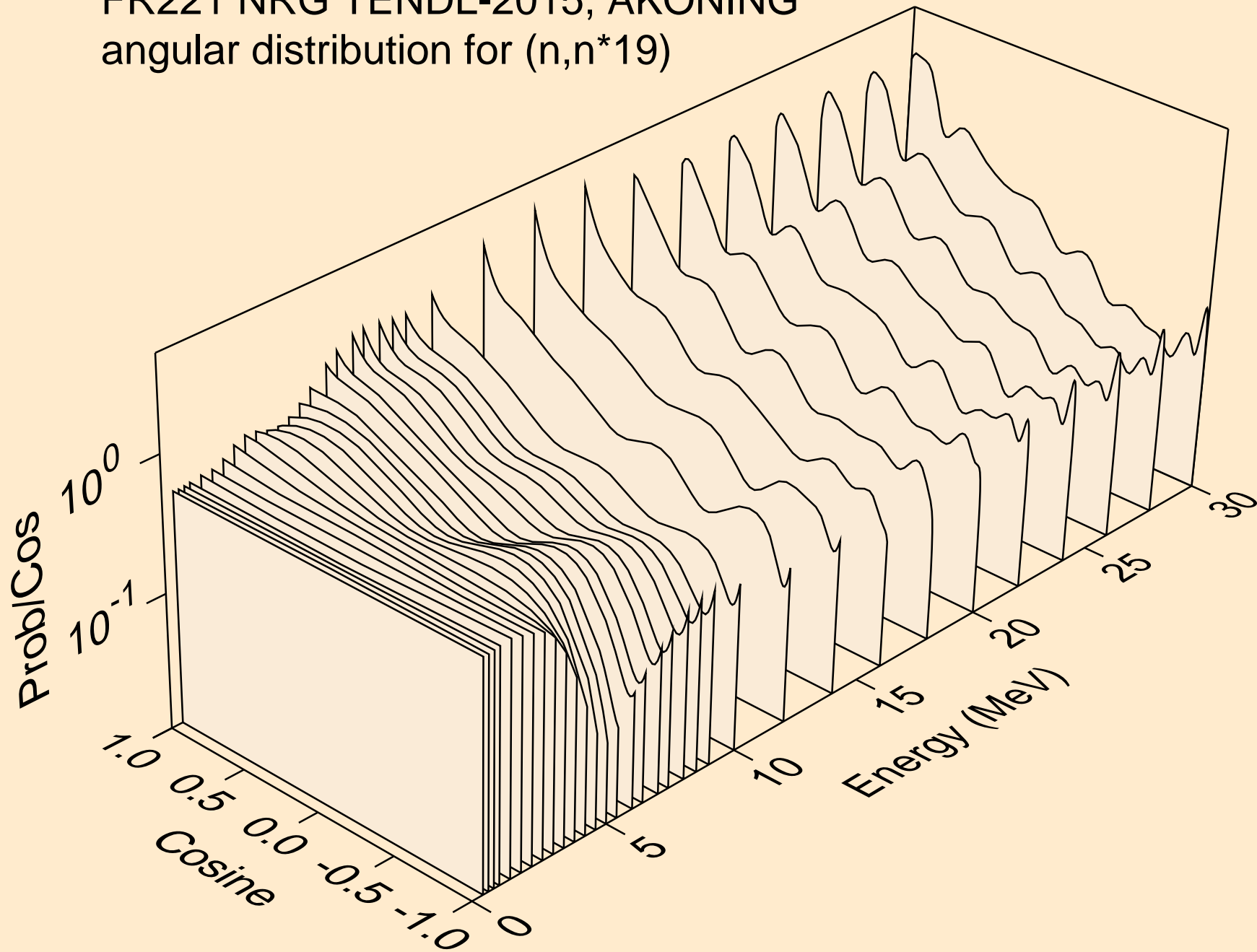
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



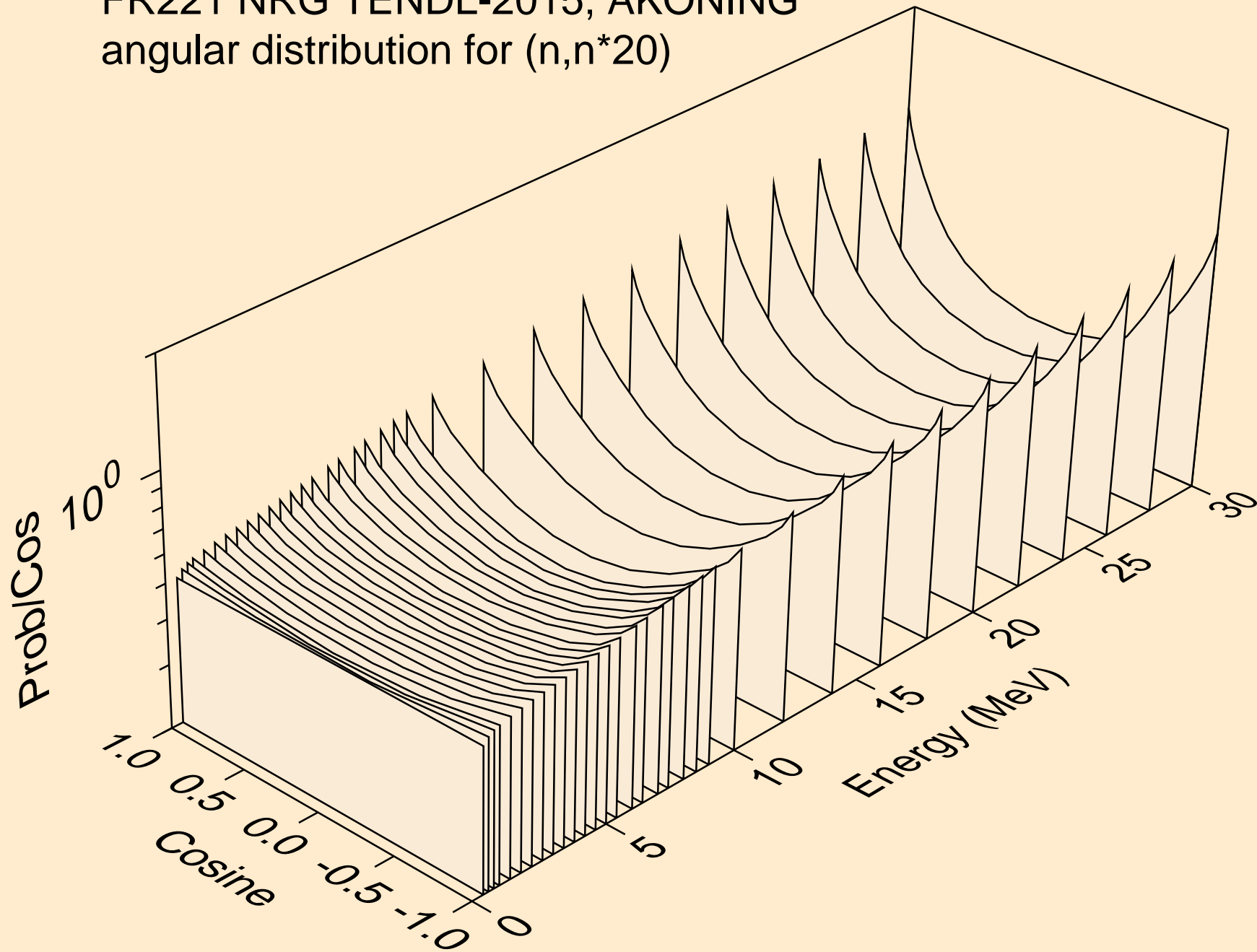
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



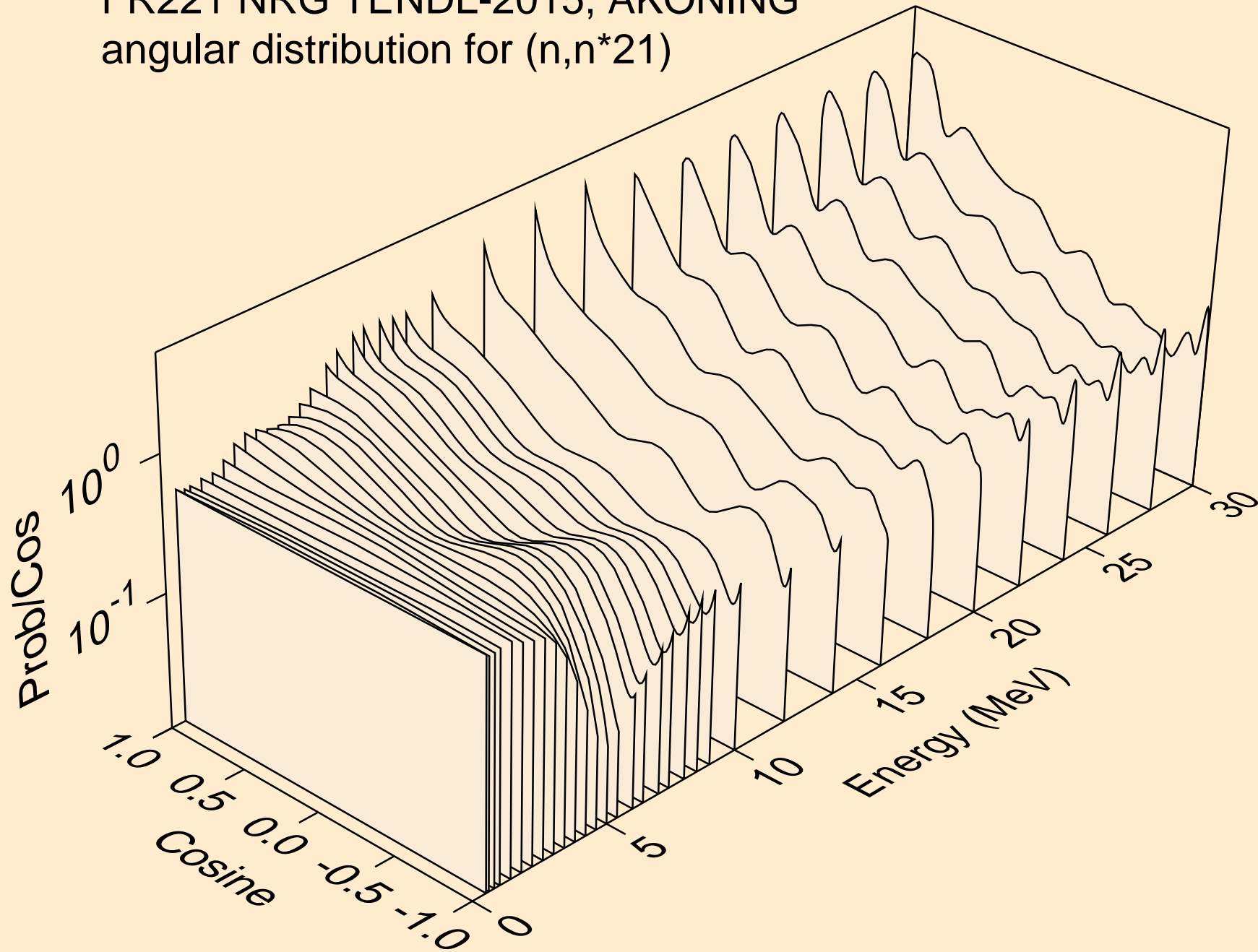
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



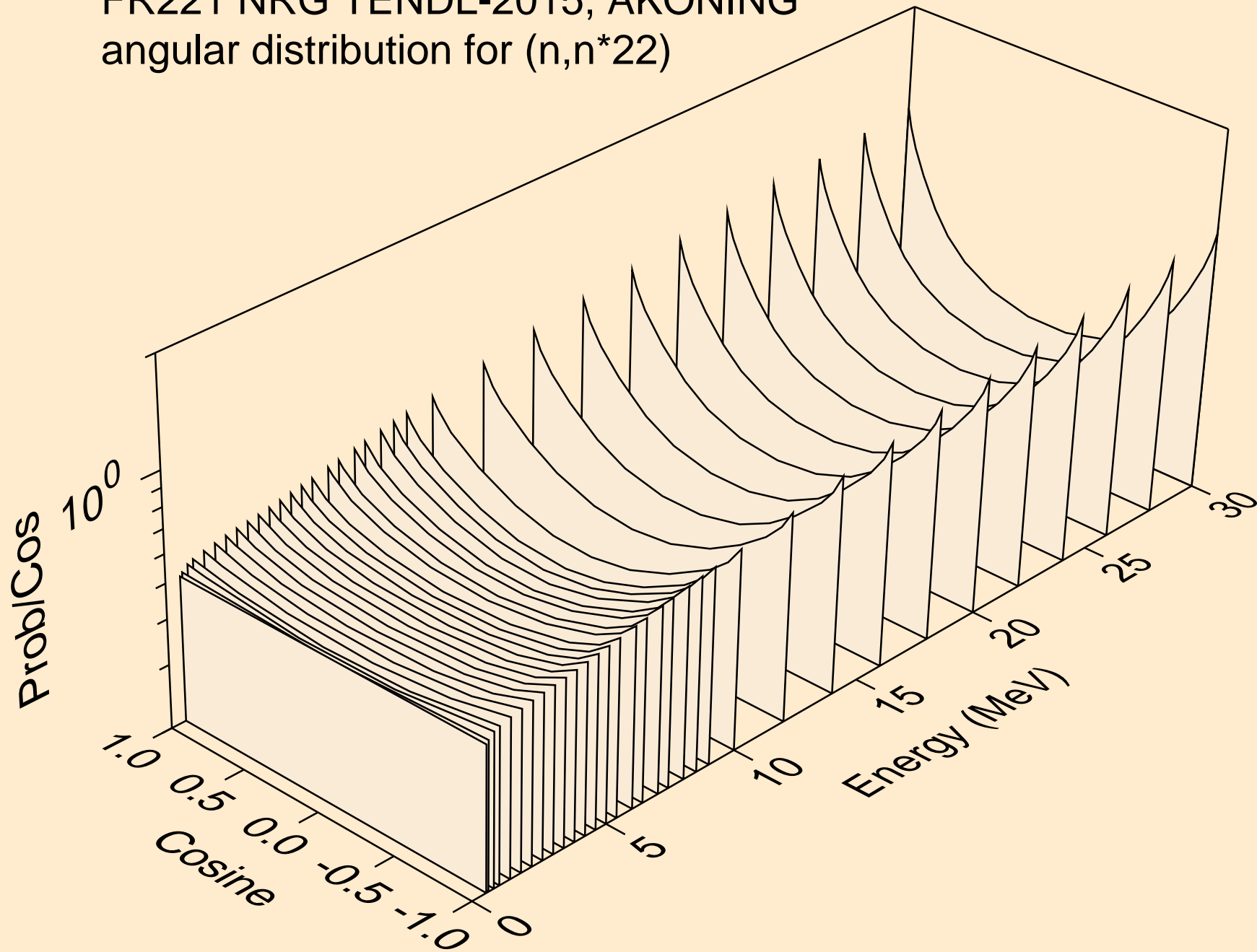
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



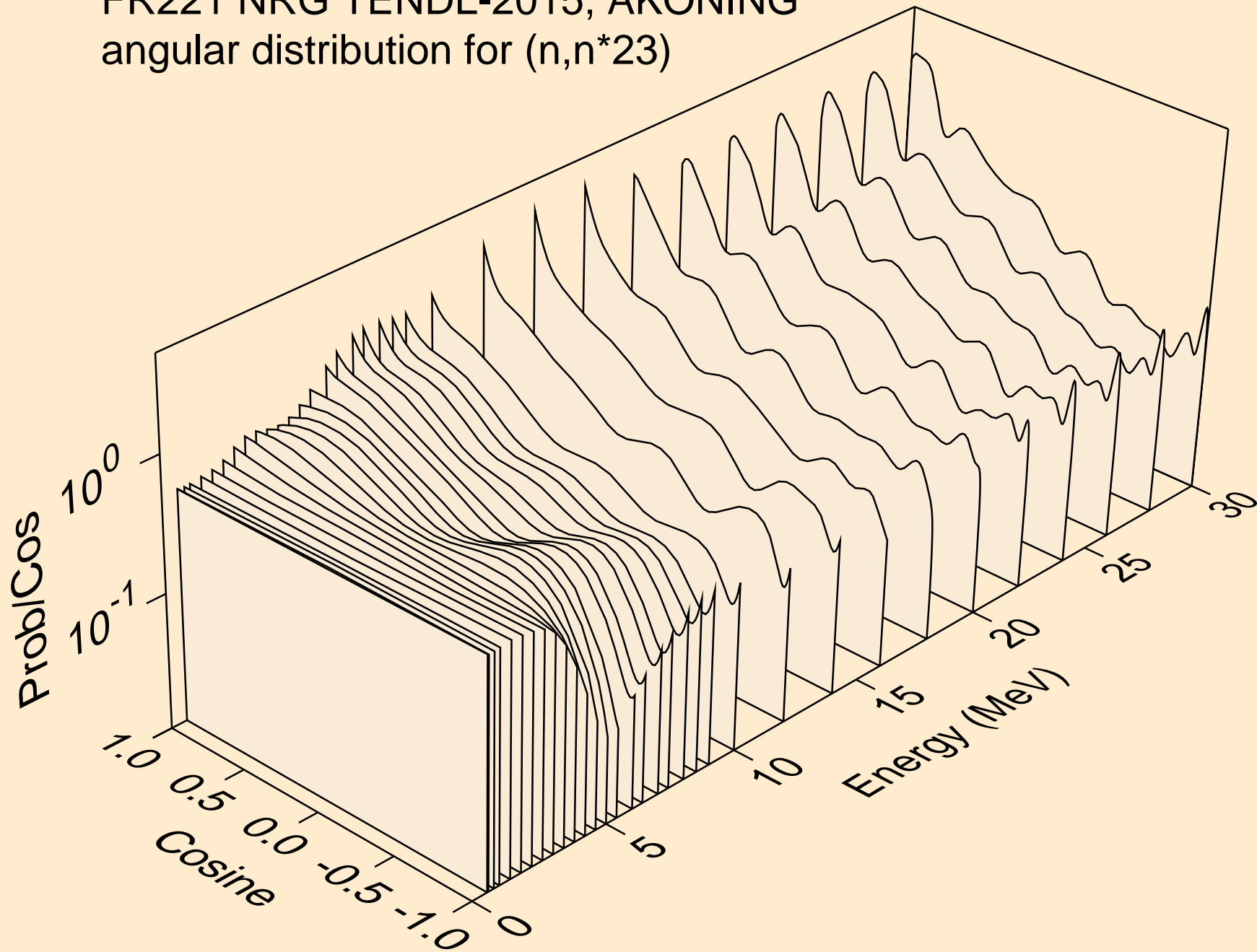
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)



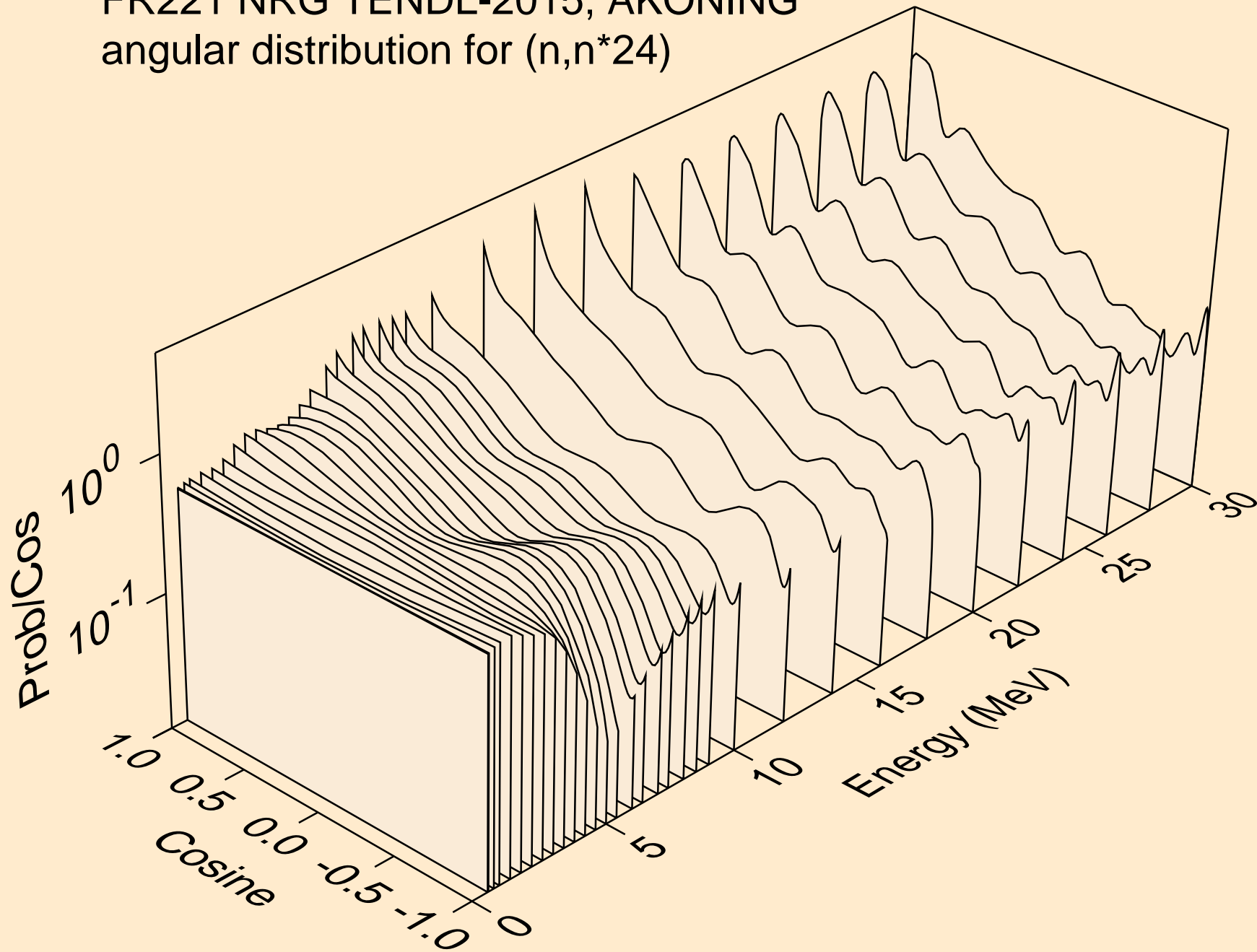
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)



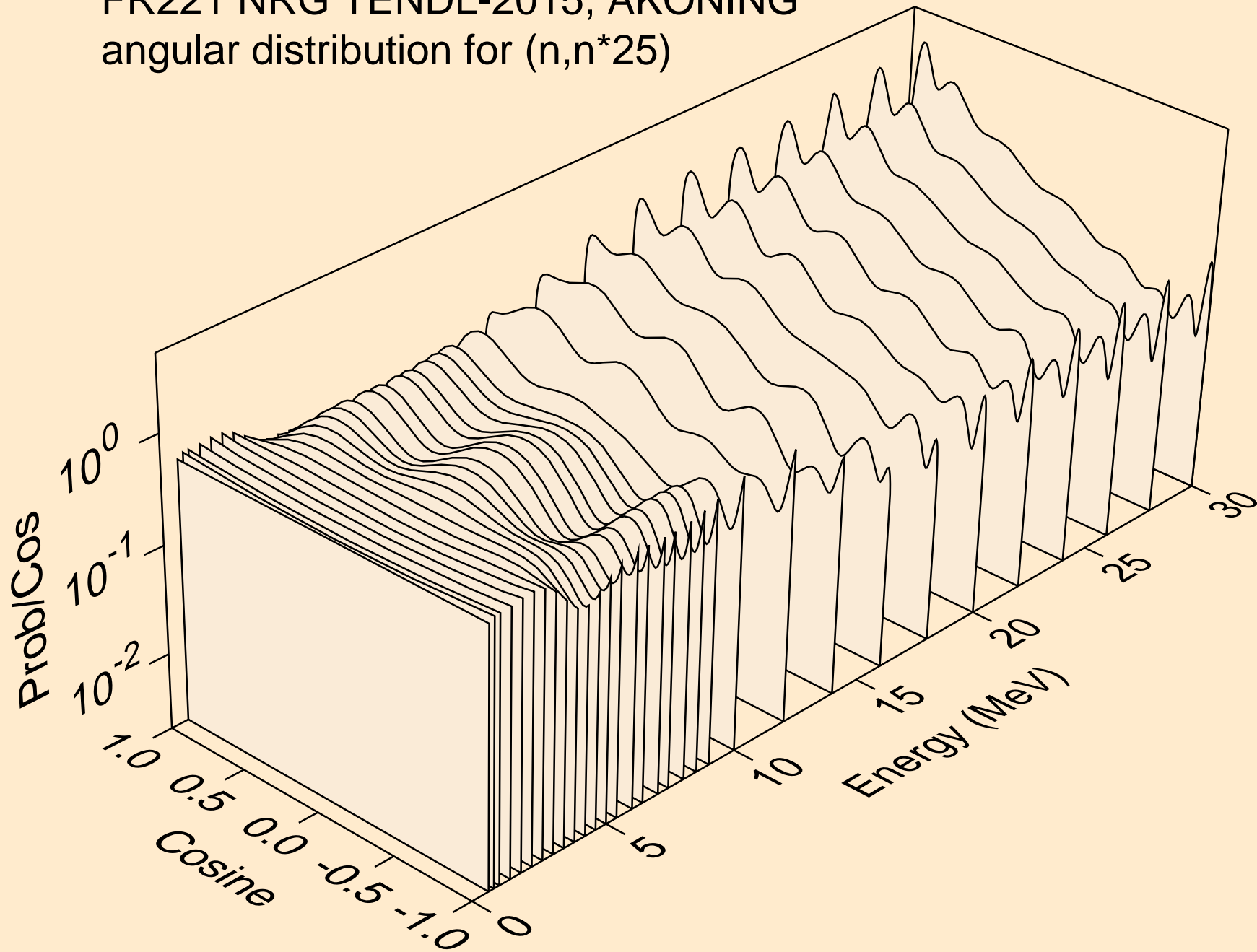
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angular distribution for (n,n\*23)



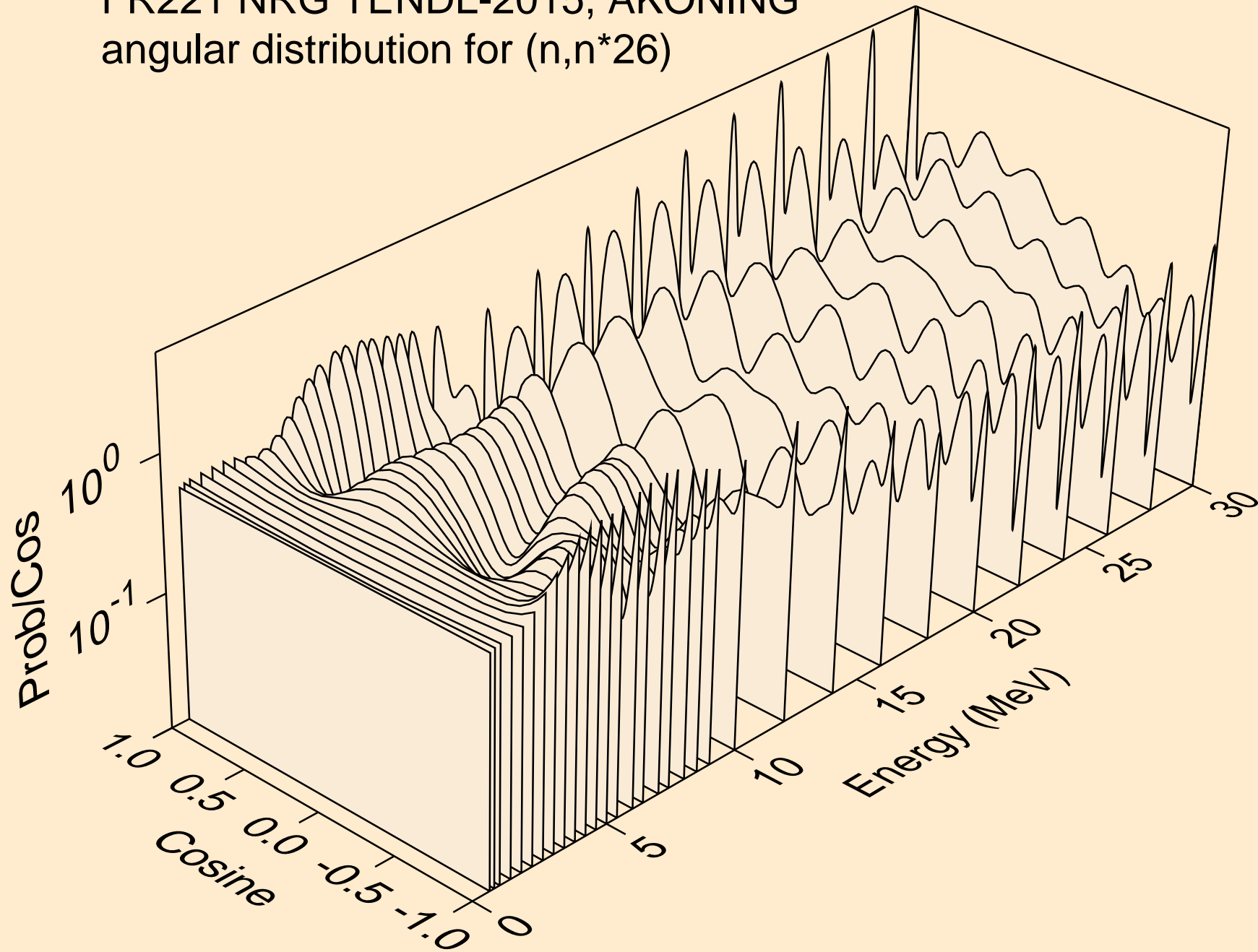
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



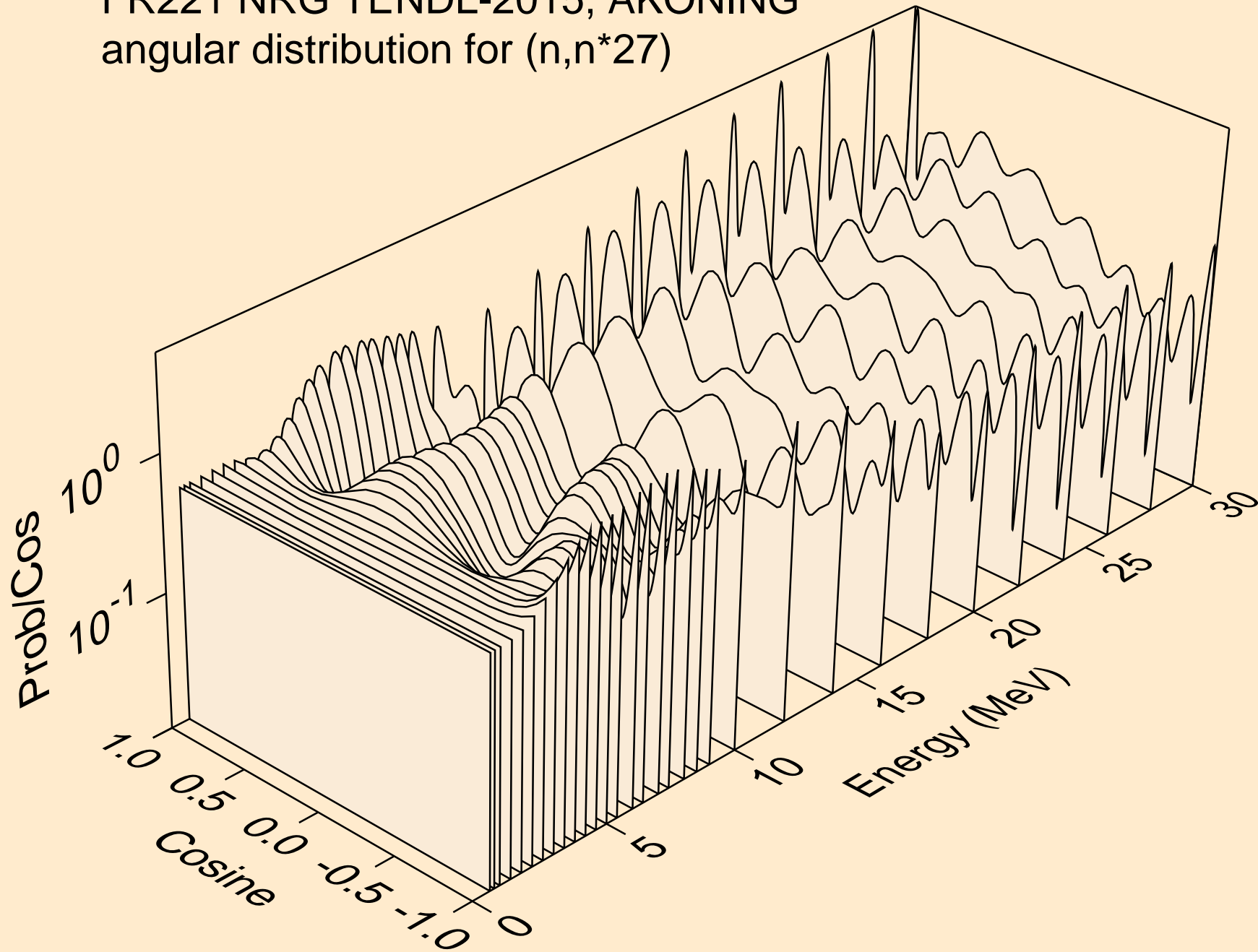
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



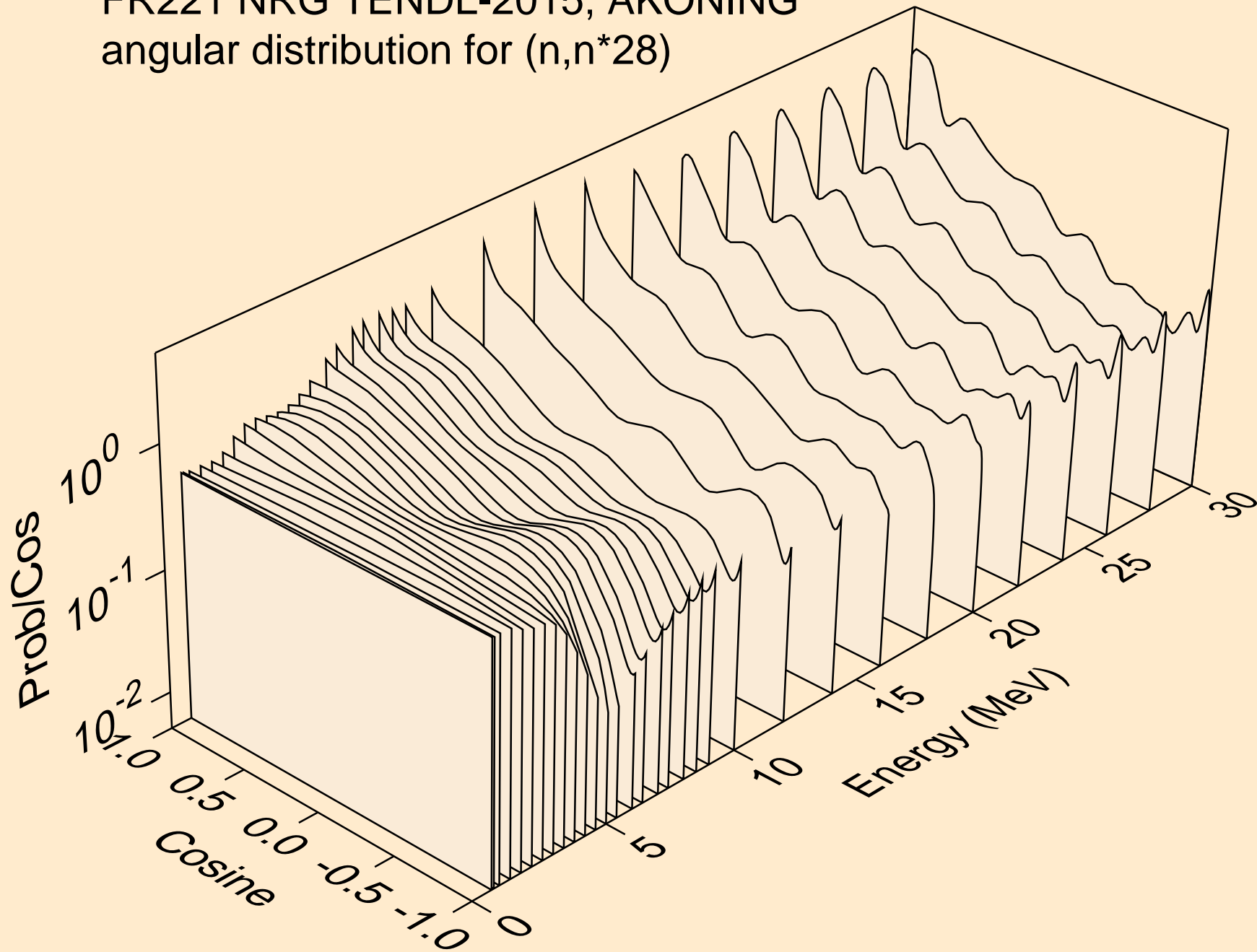
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



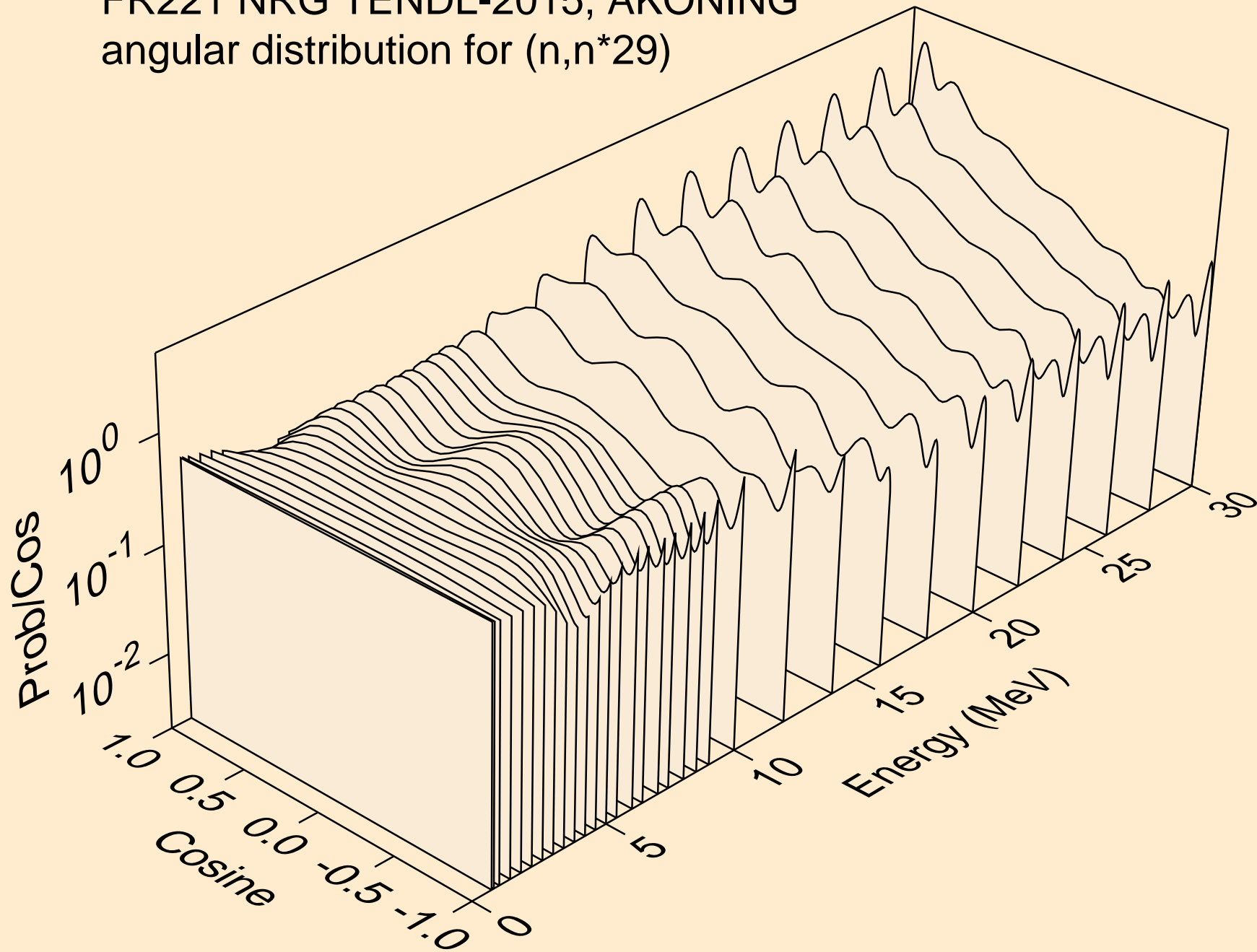
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



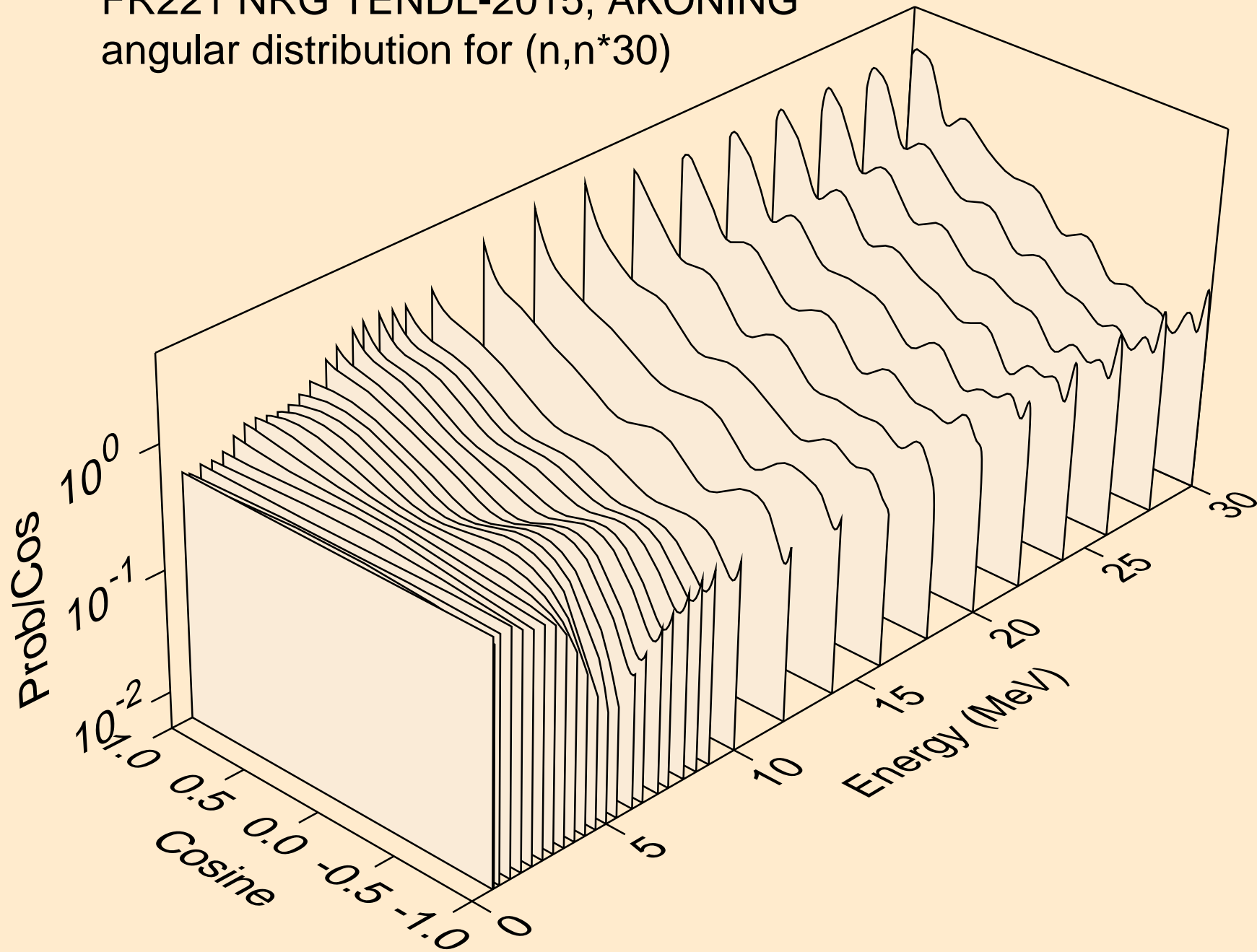
FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

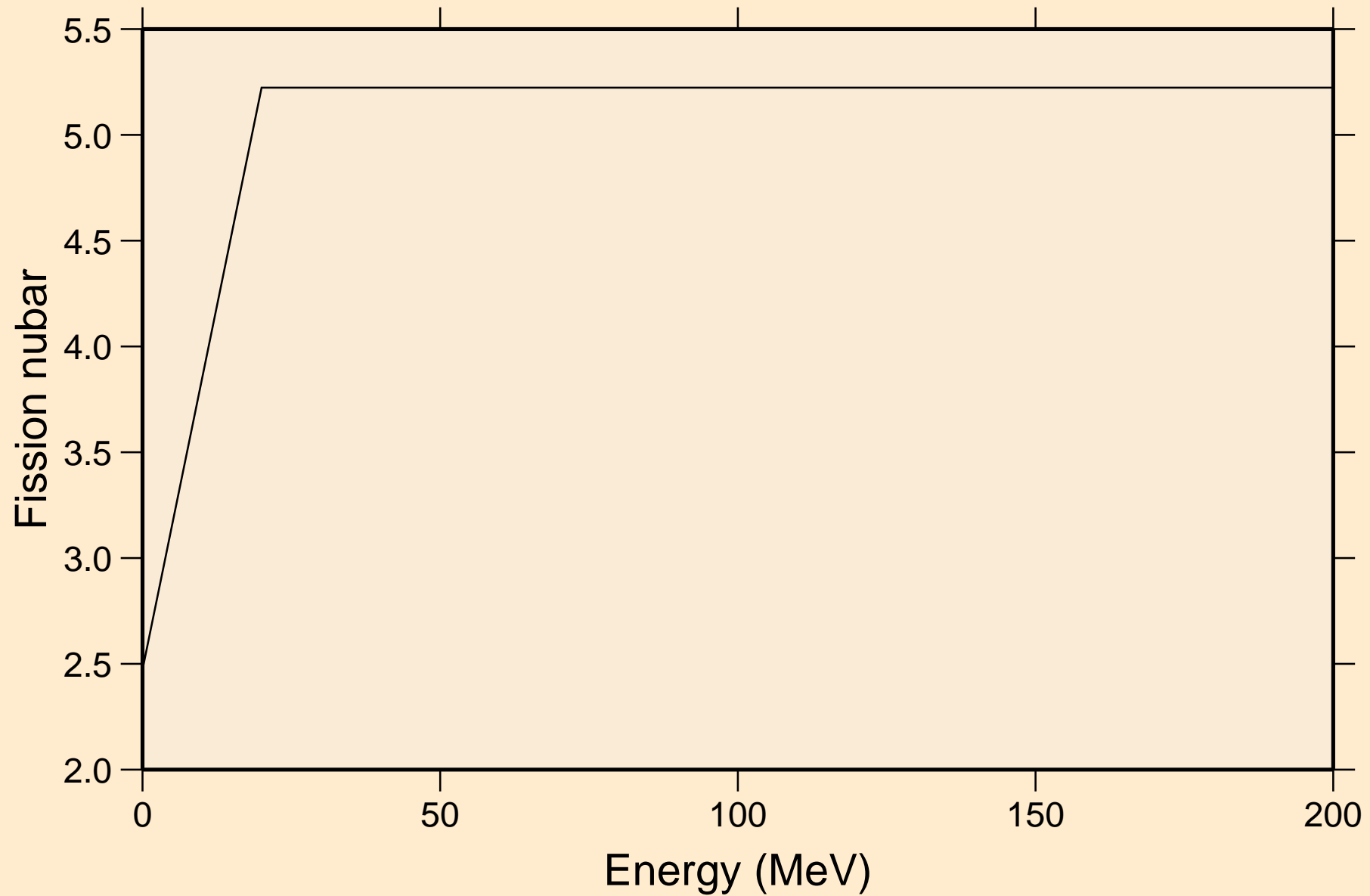


FR221 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

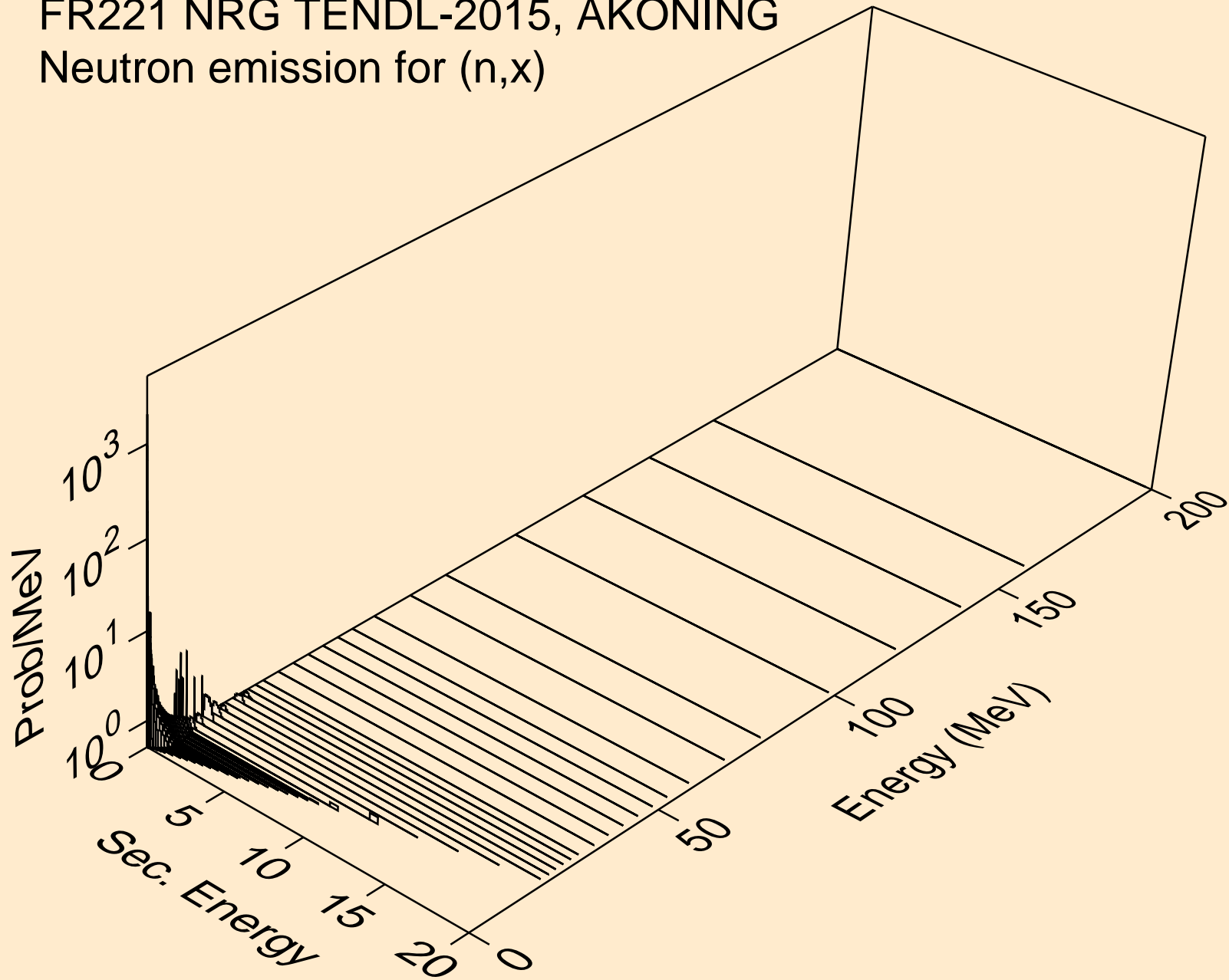


# FR221 NRG TENDL-2015, AKONING

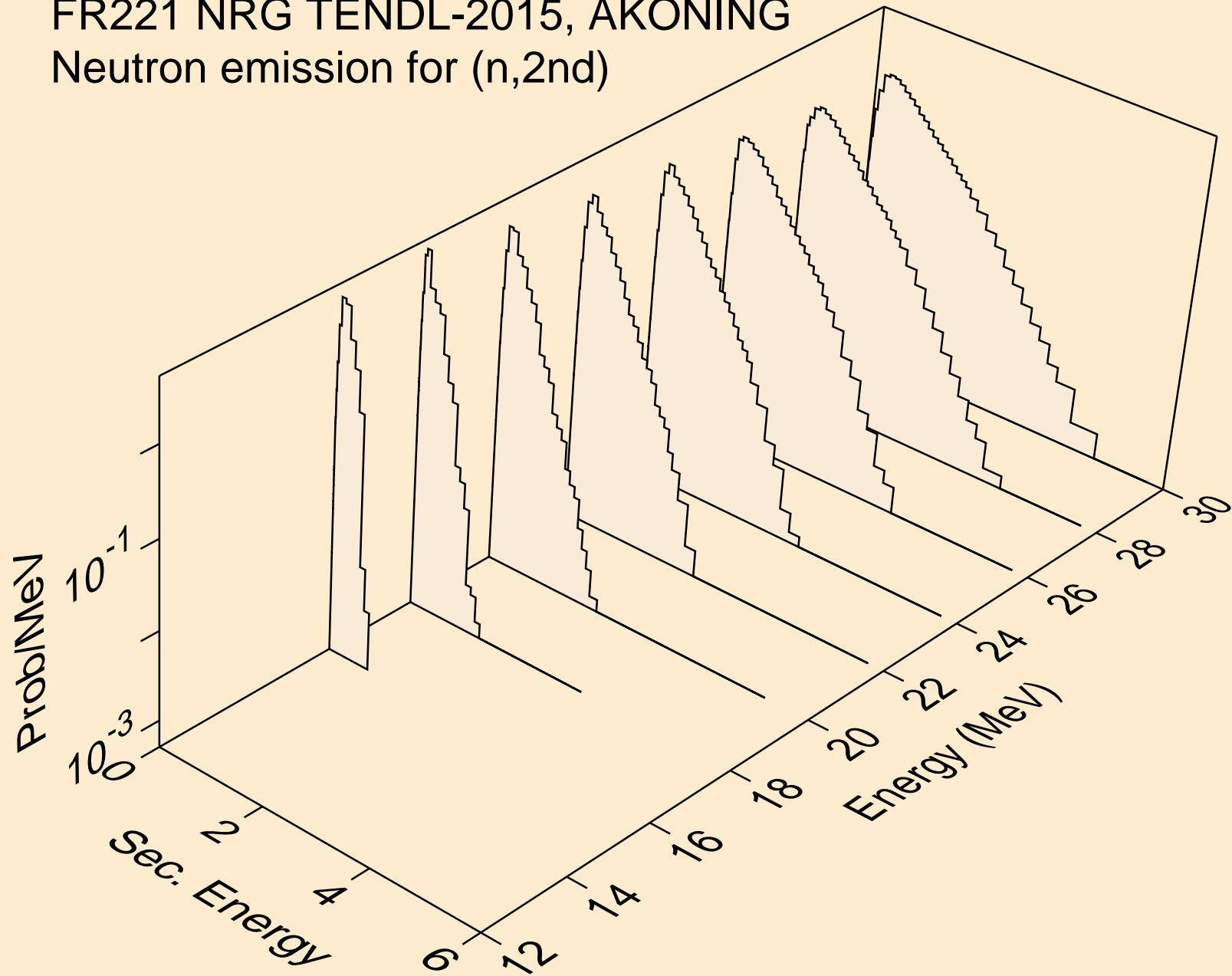
Total fission nubar



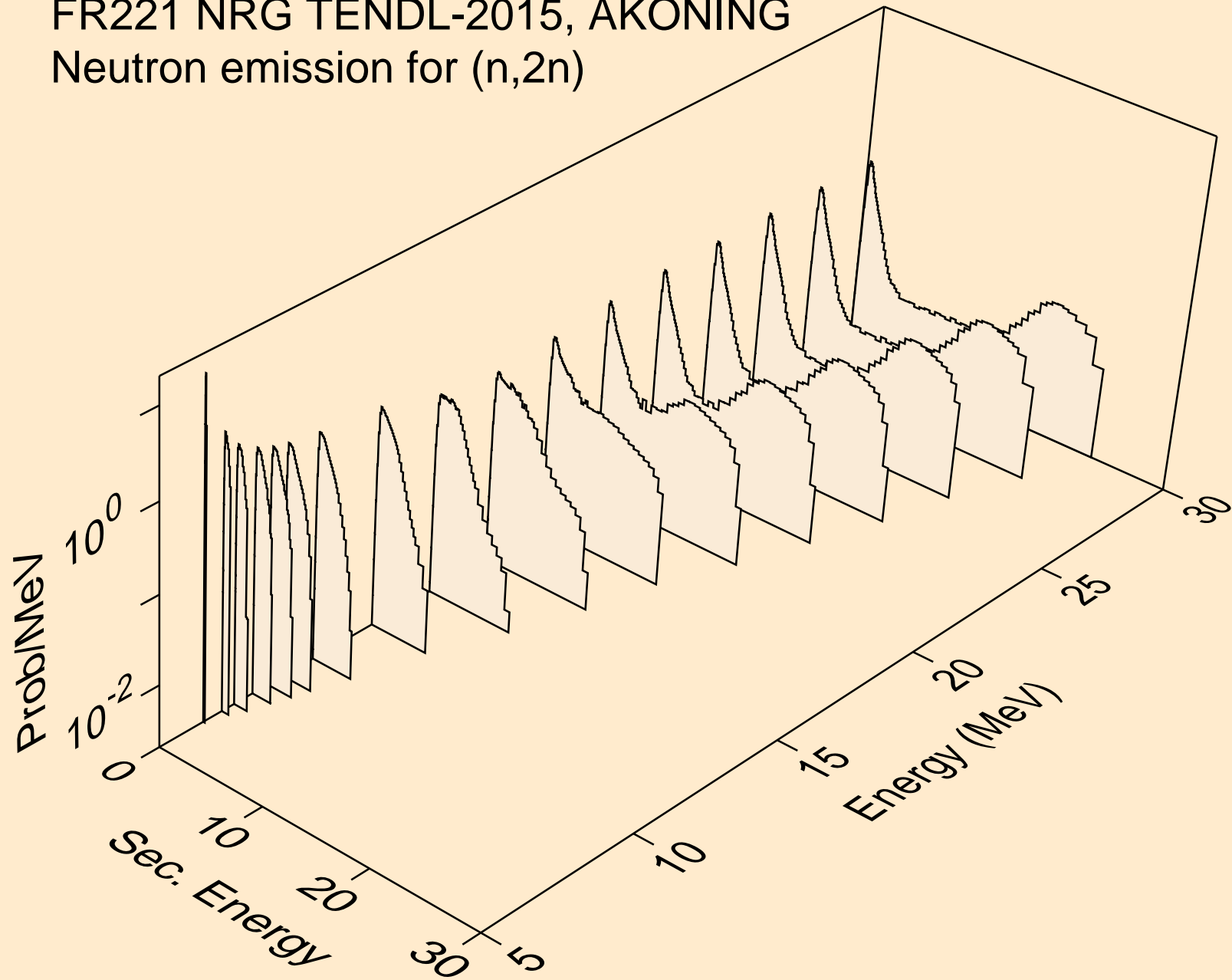
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



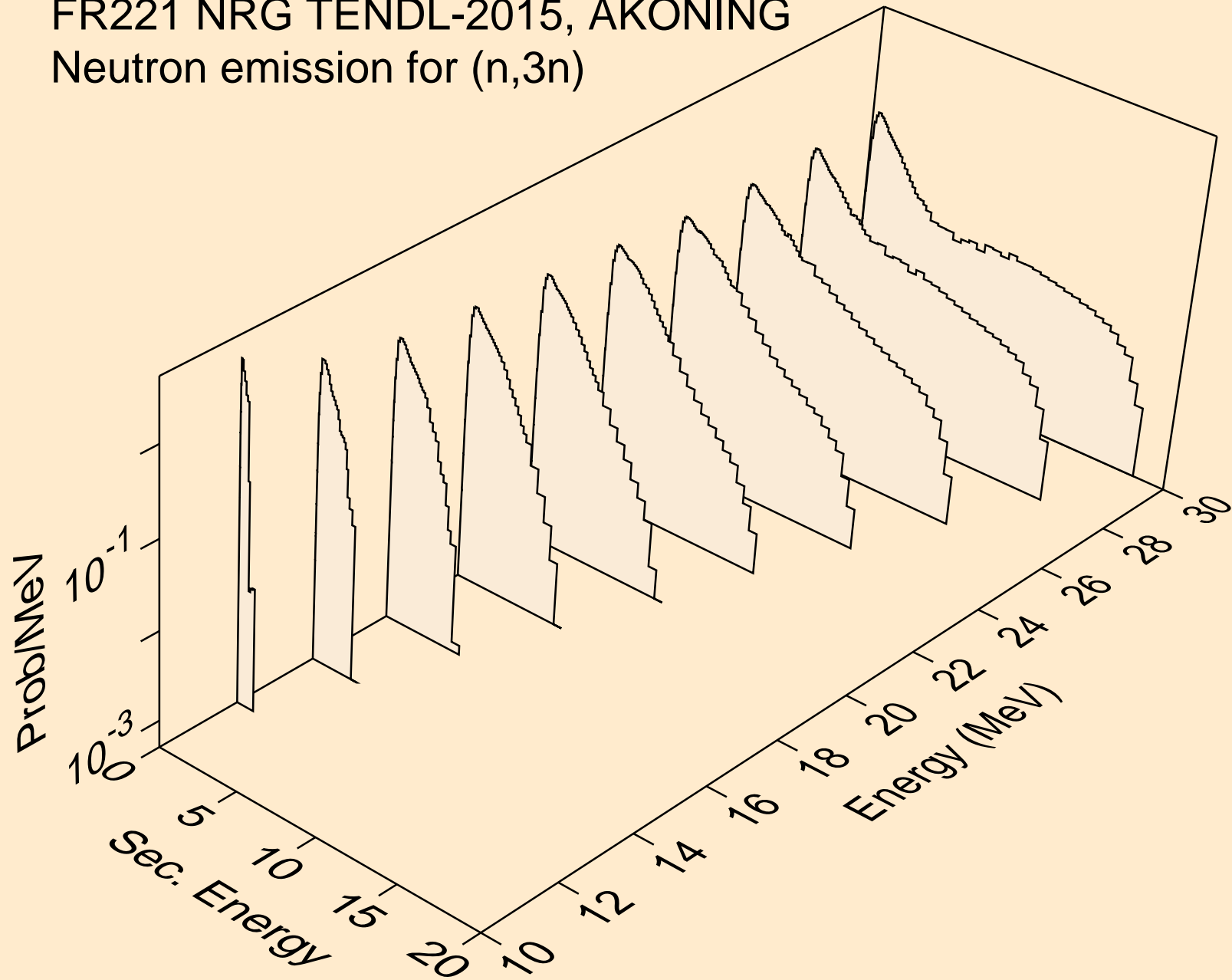
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



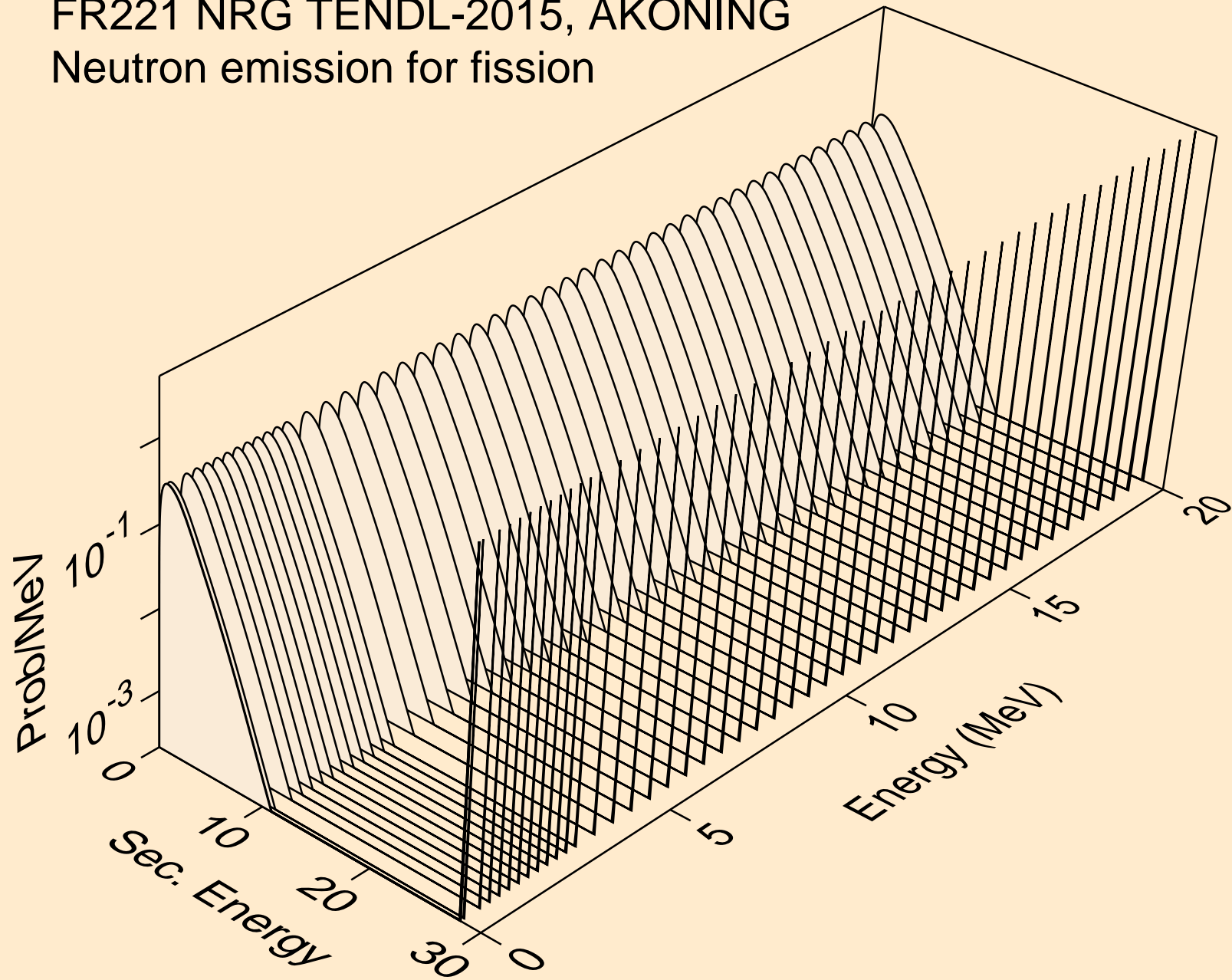
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



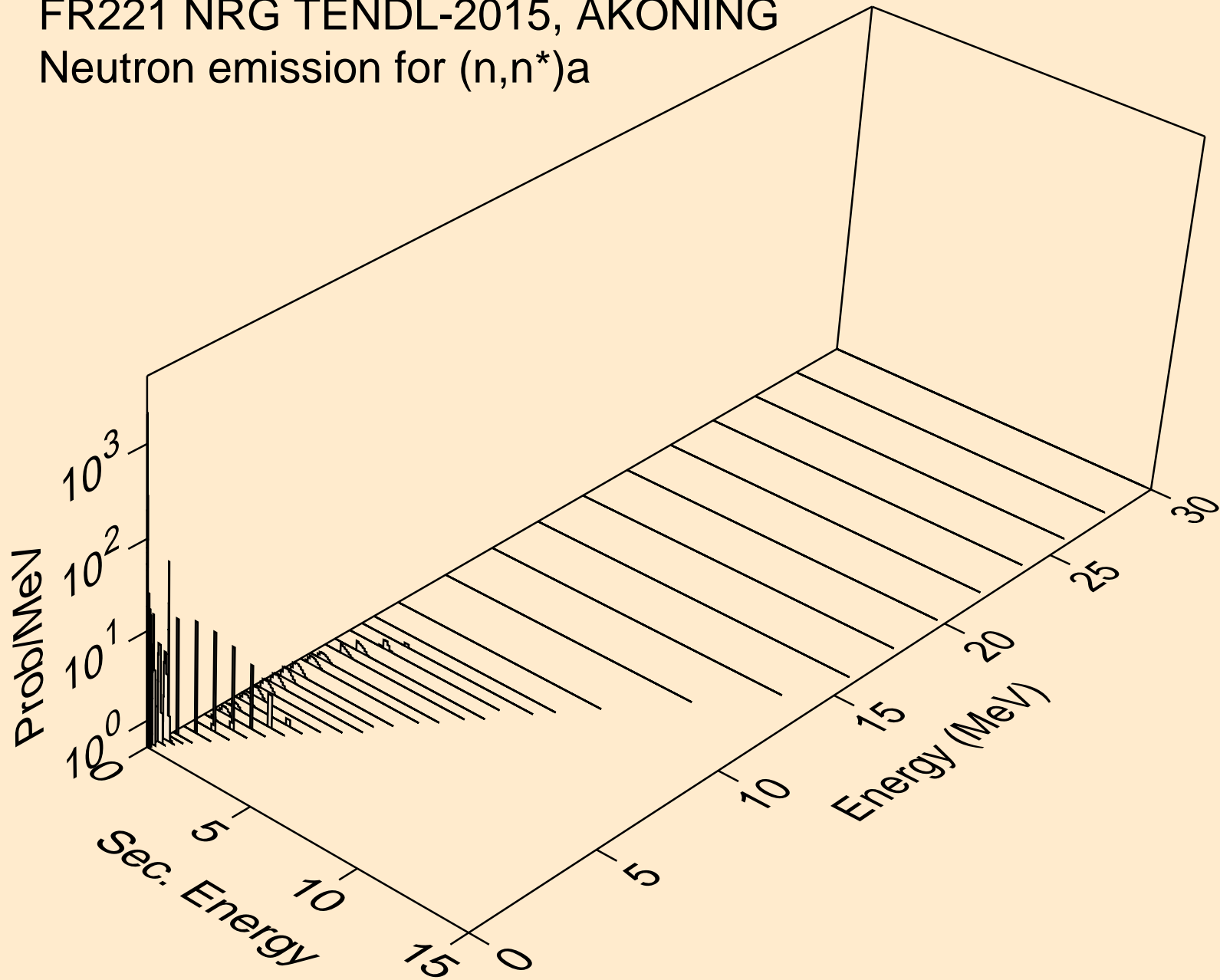
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



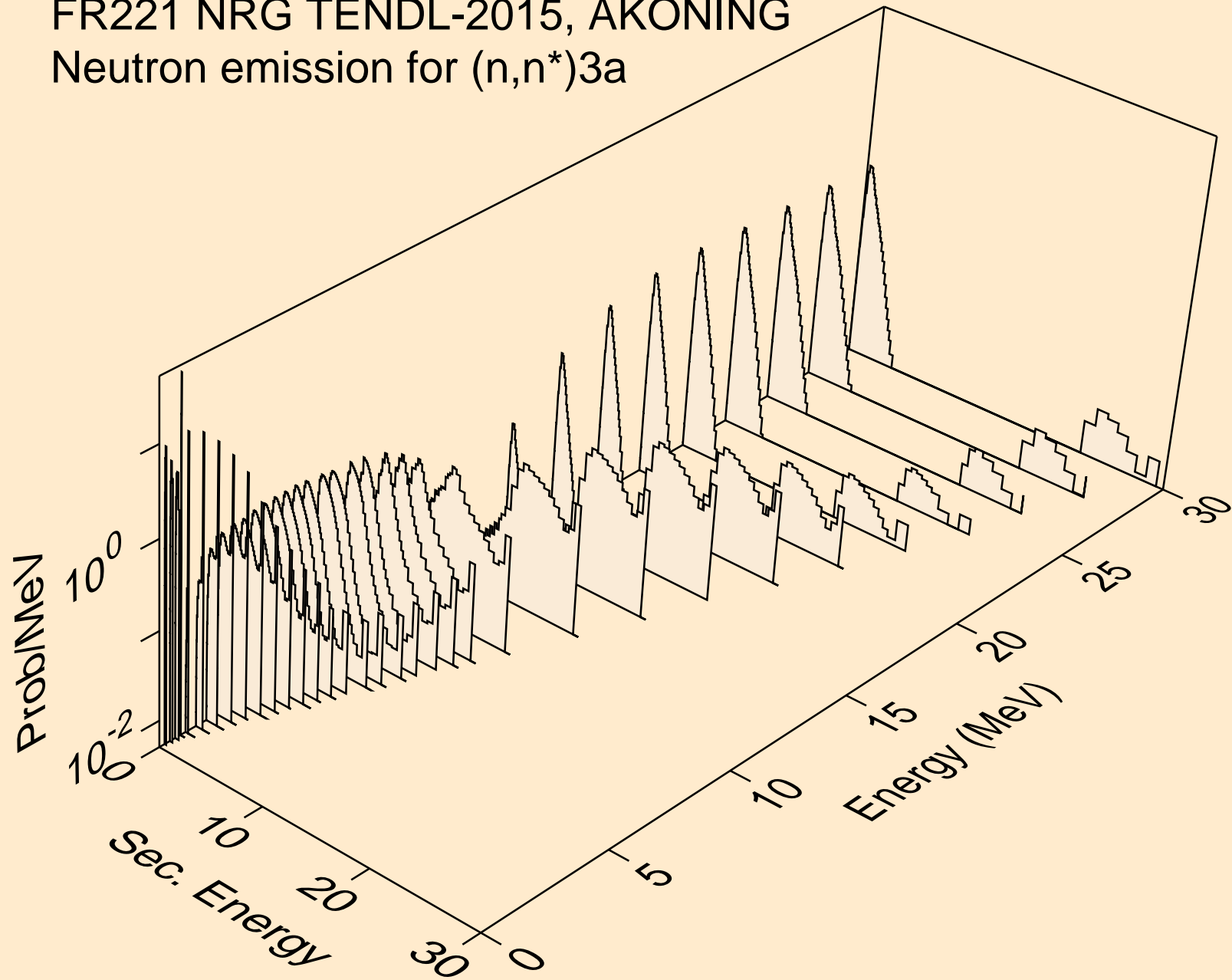
FR221 NRG TENDL-2015, AKONING  
Neutron emission for fission



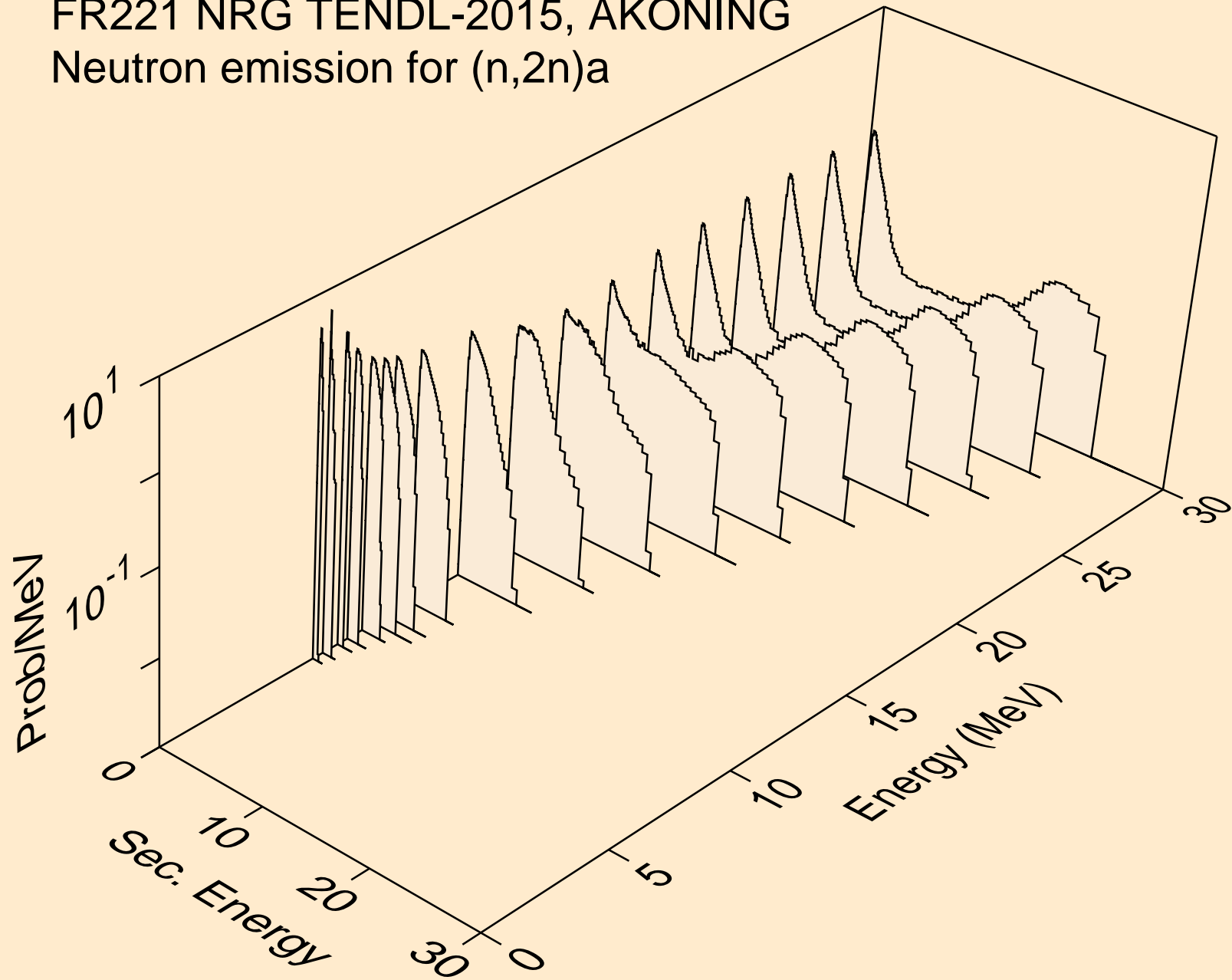
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



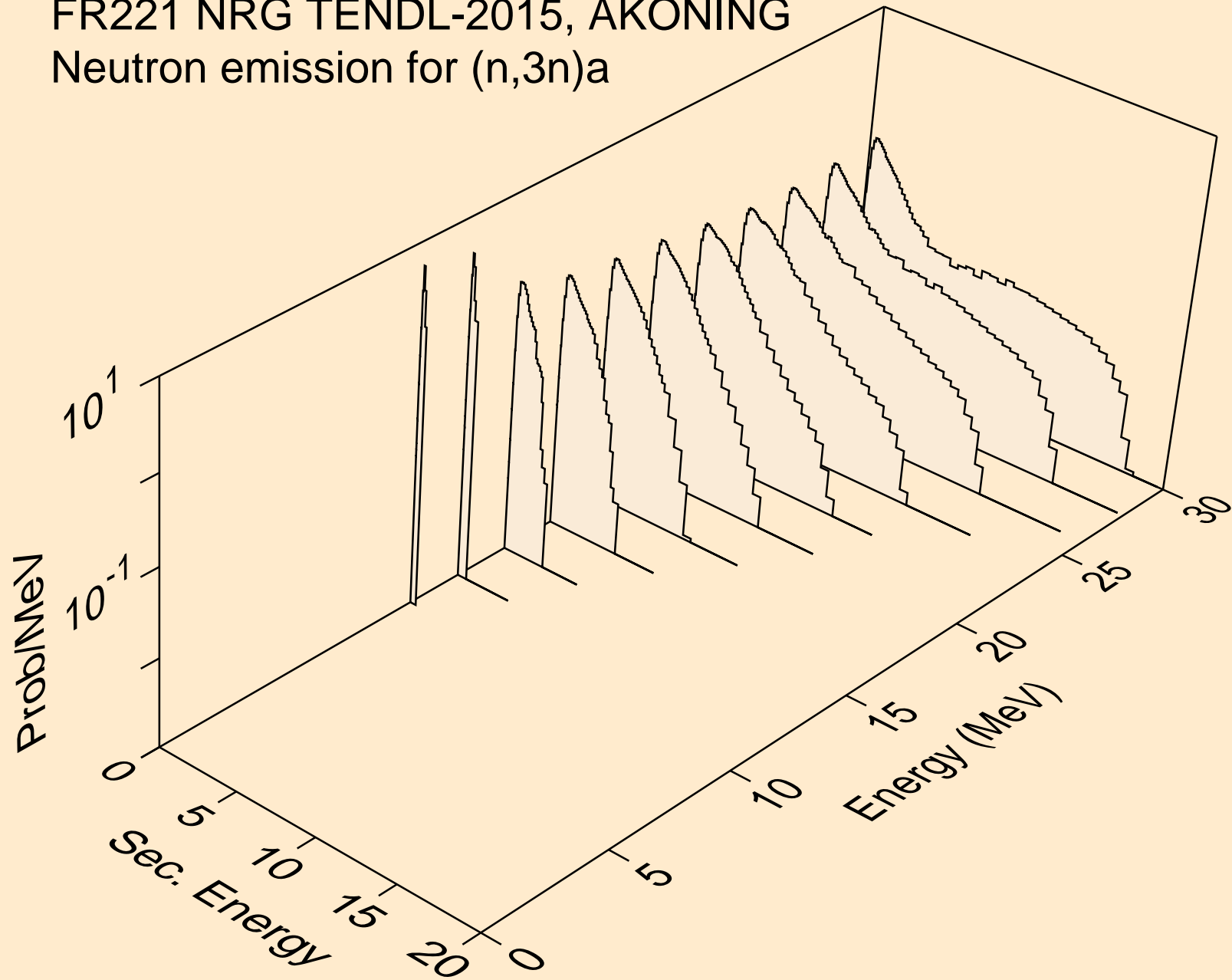
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



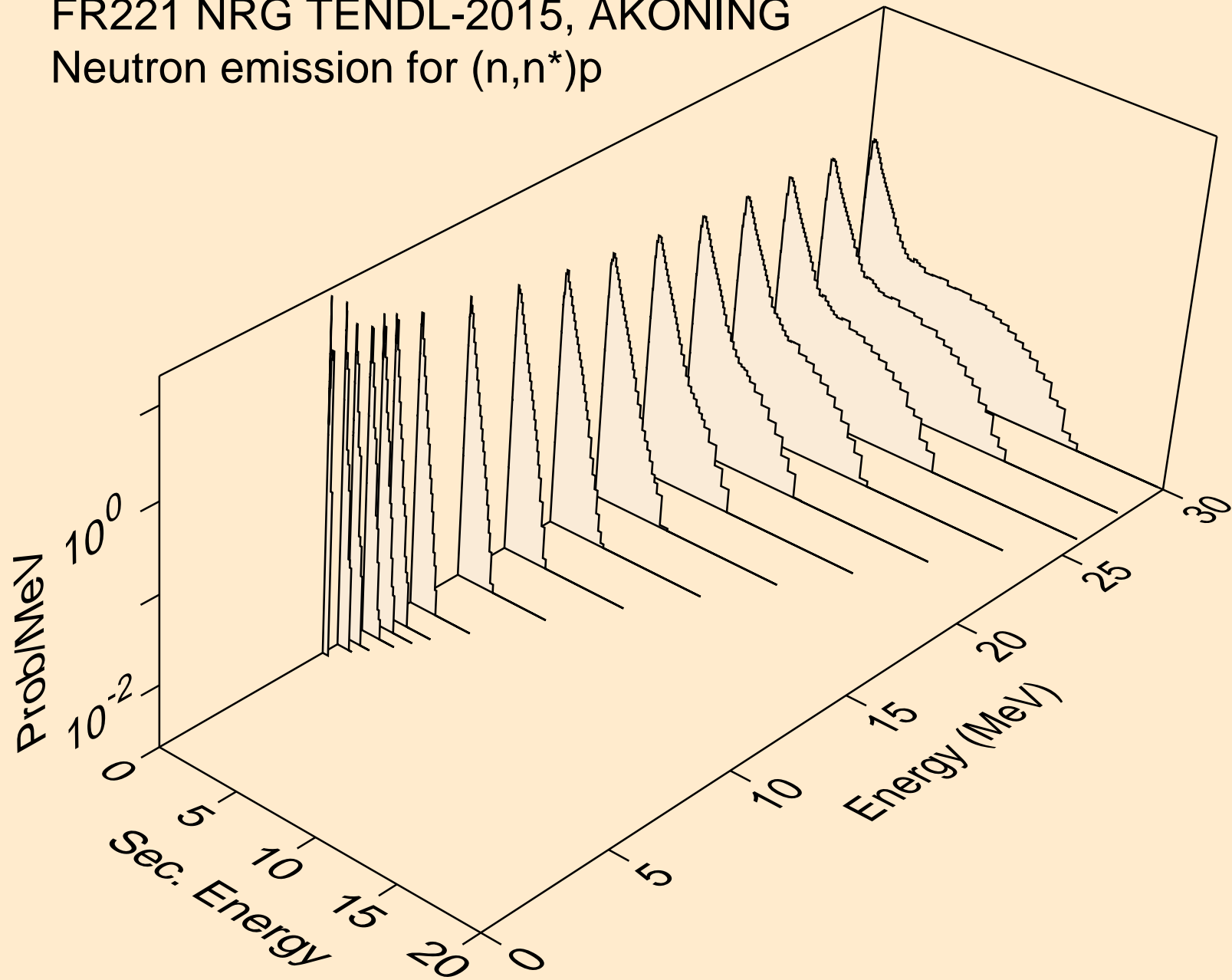
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



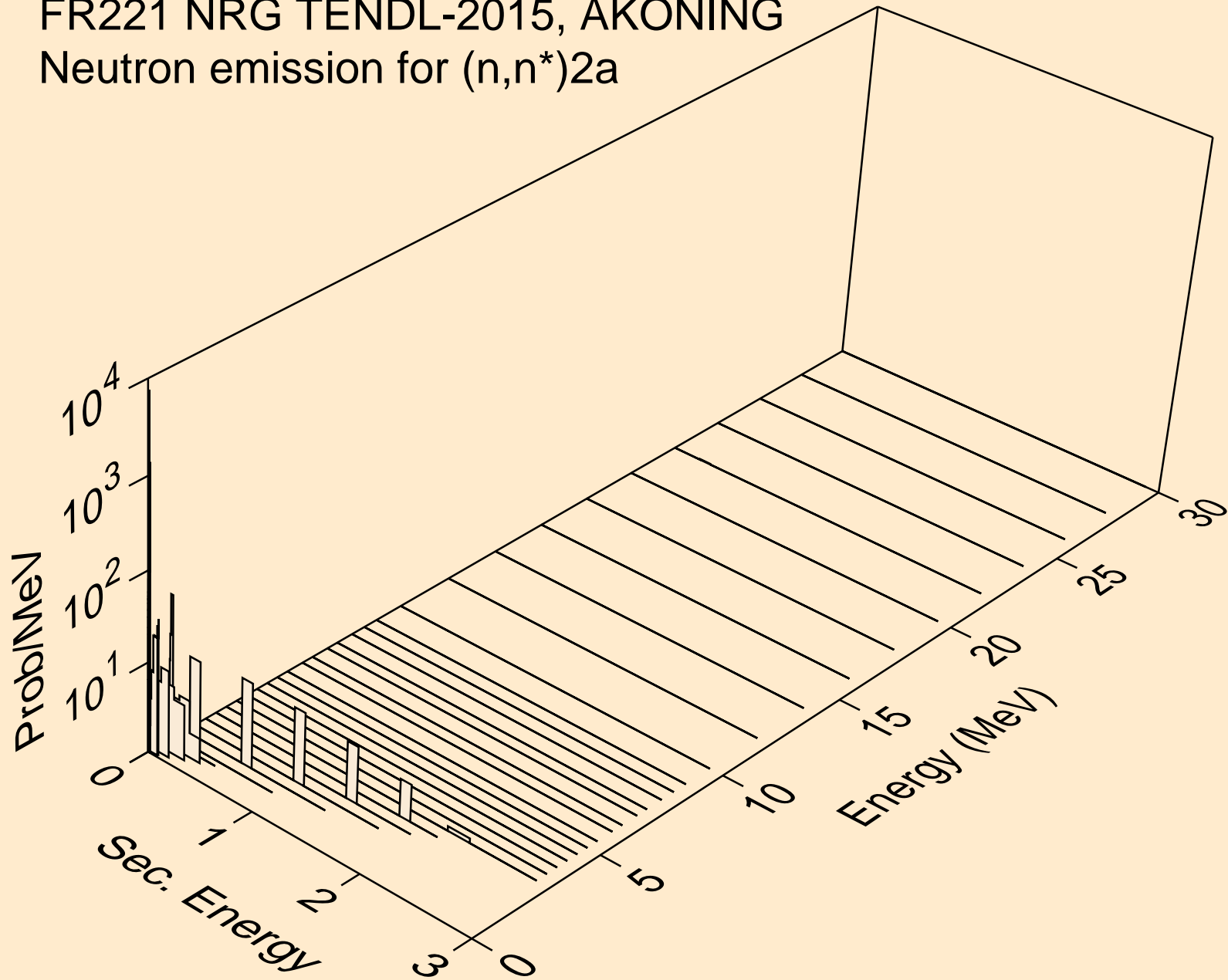
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



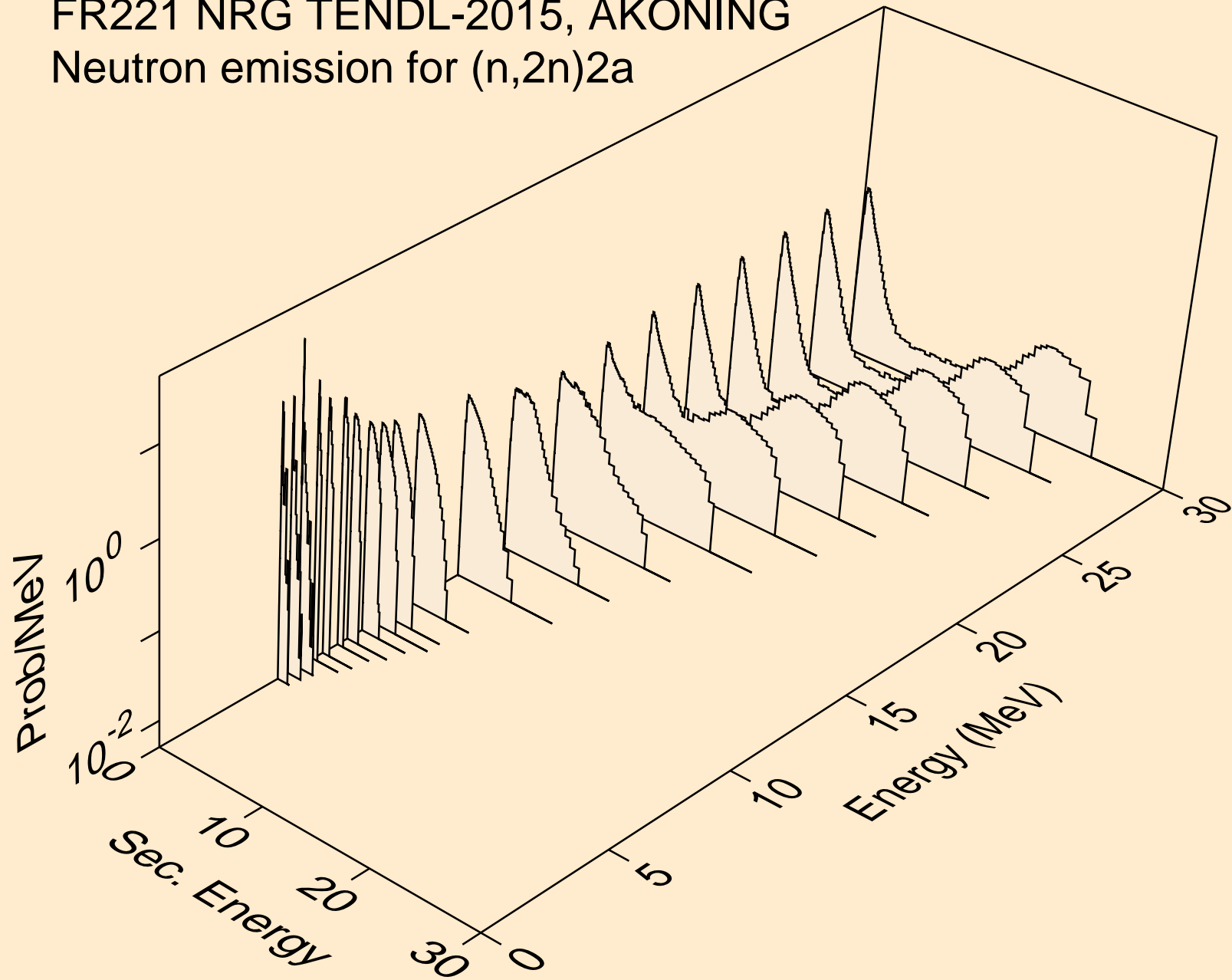
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



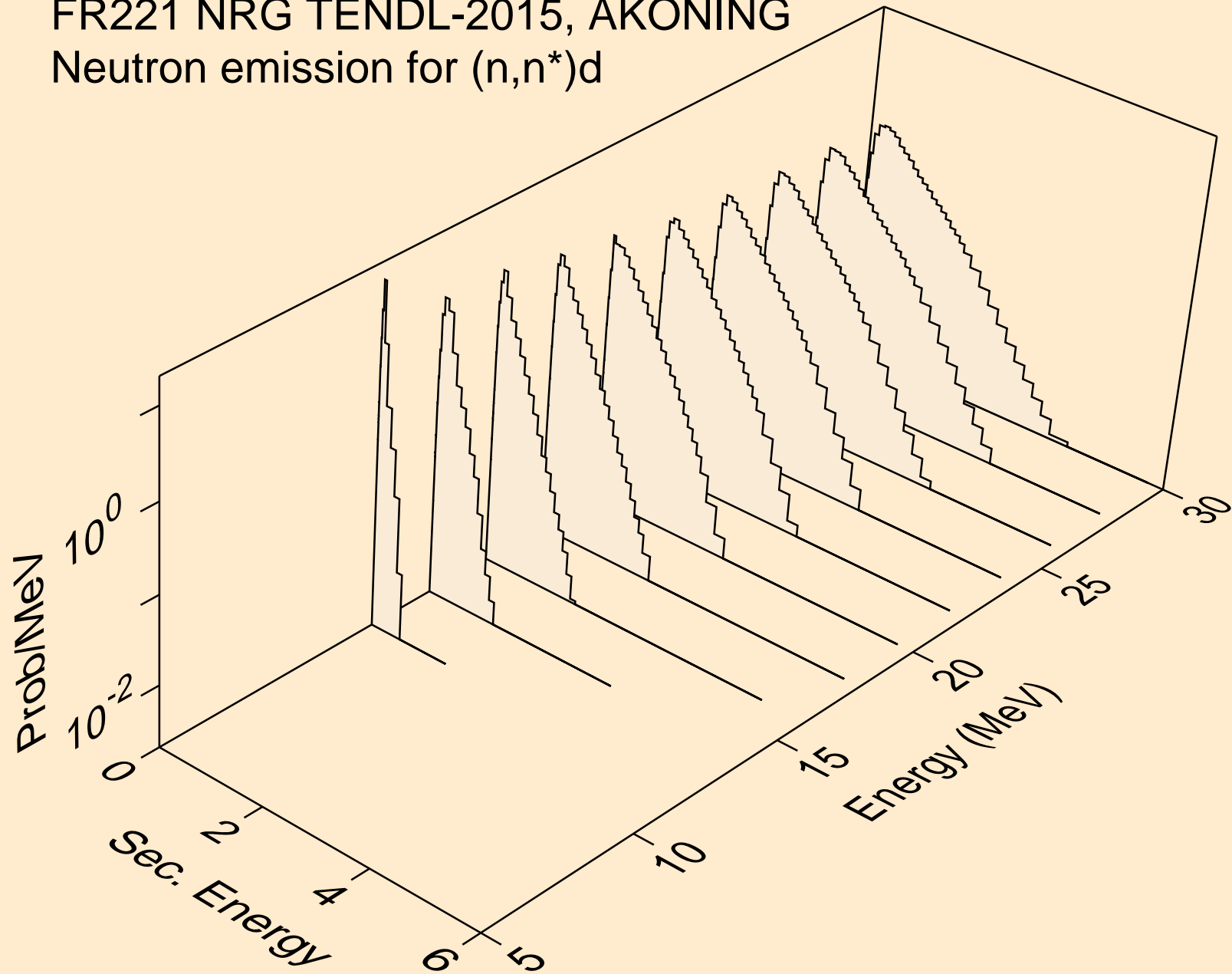
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



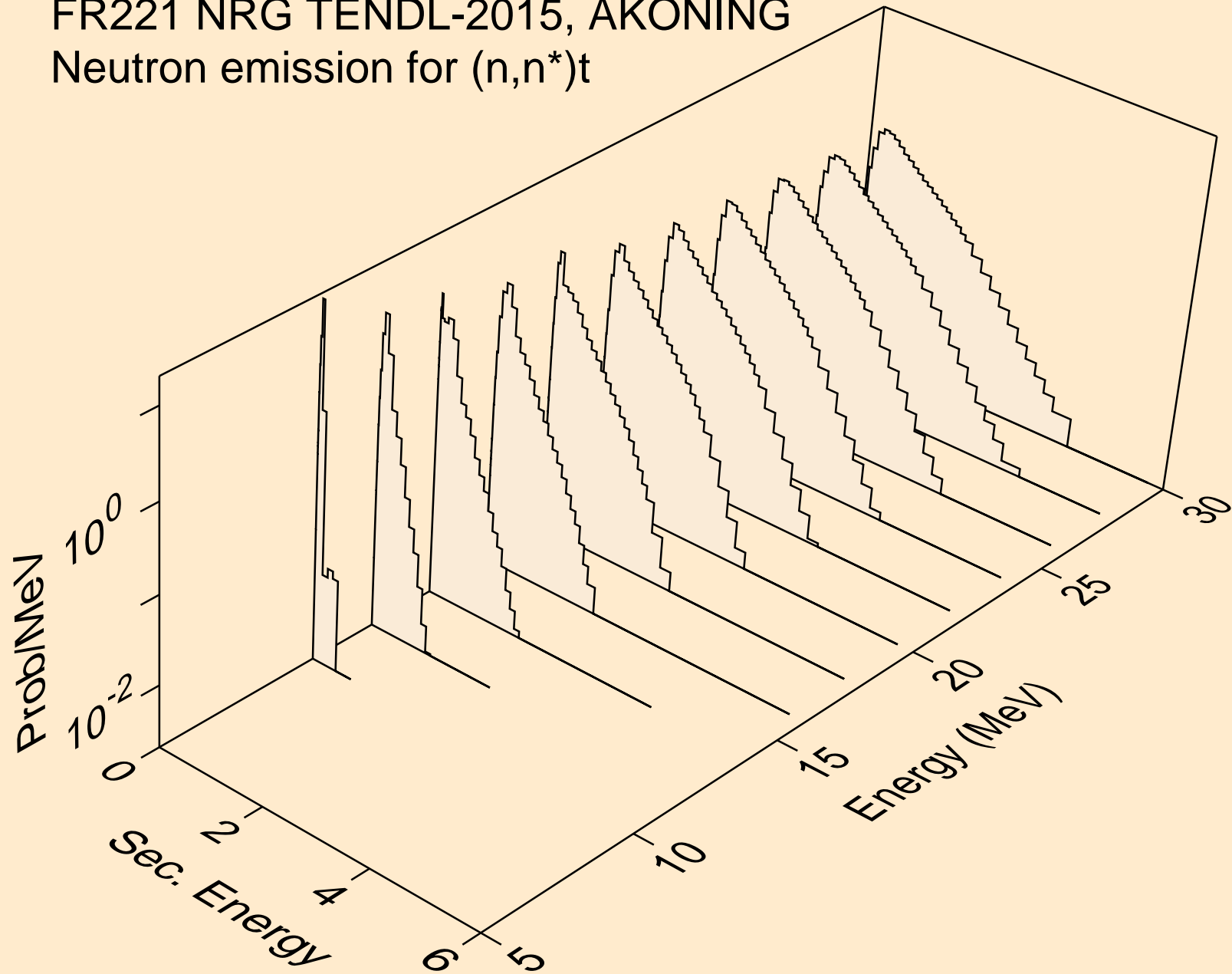
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



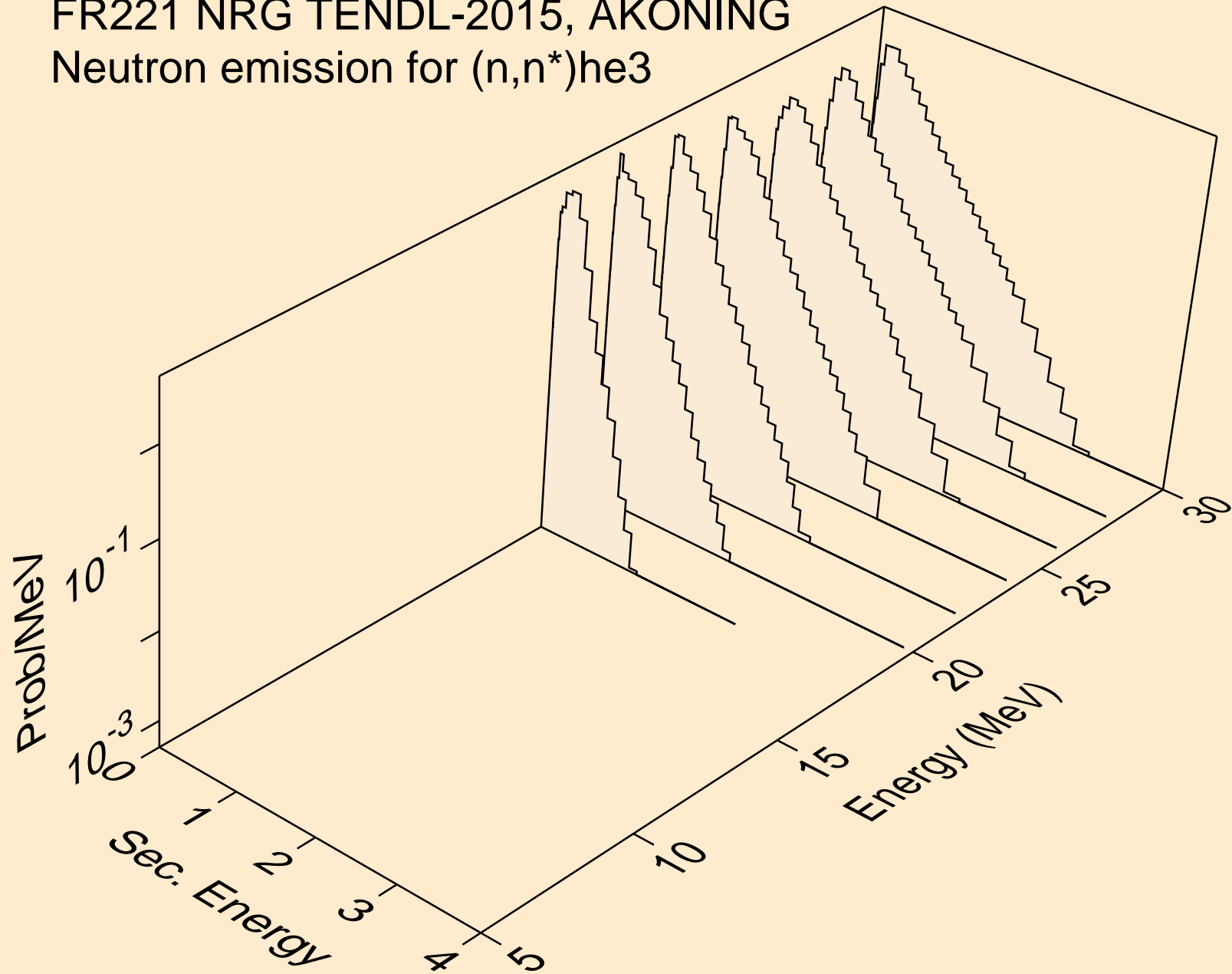
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



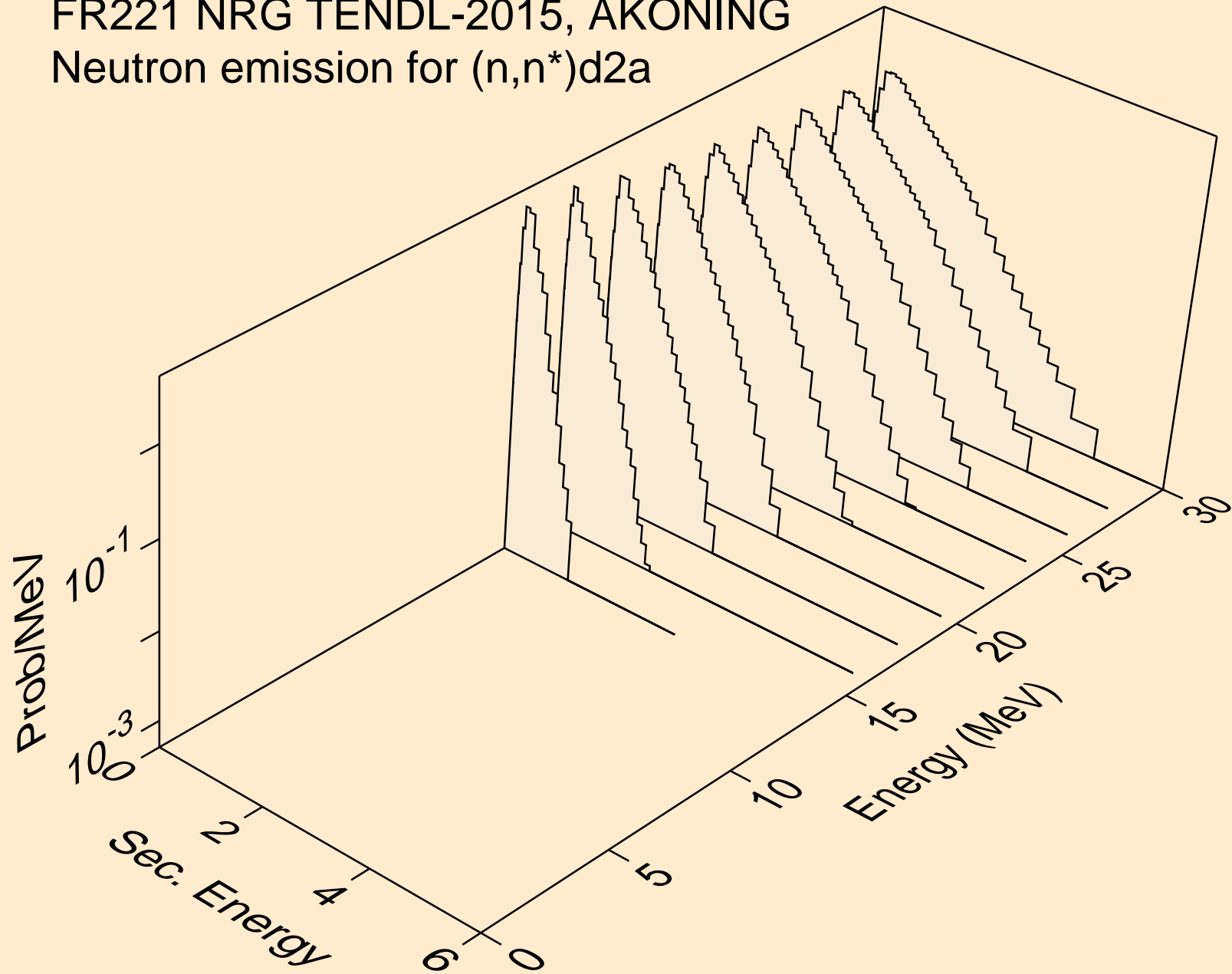
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



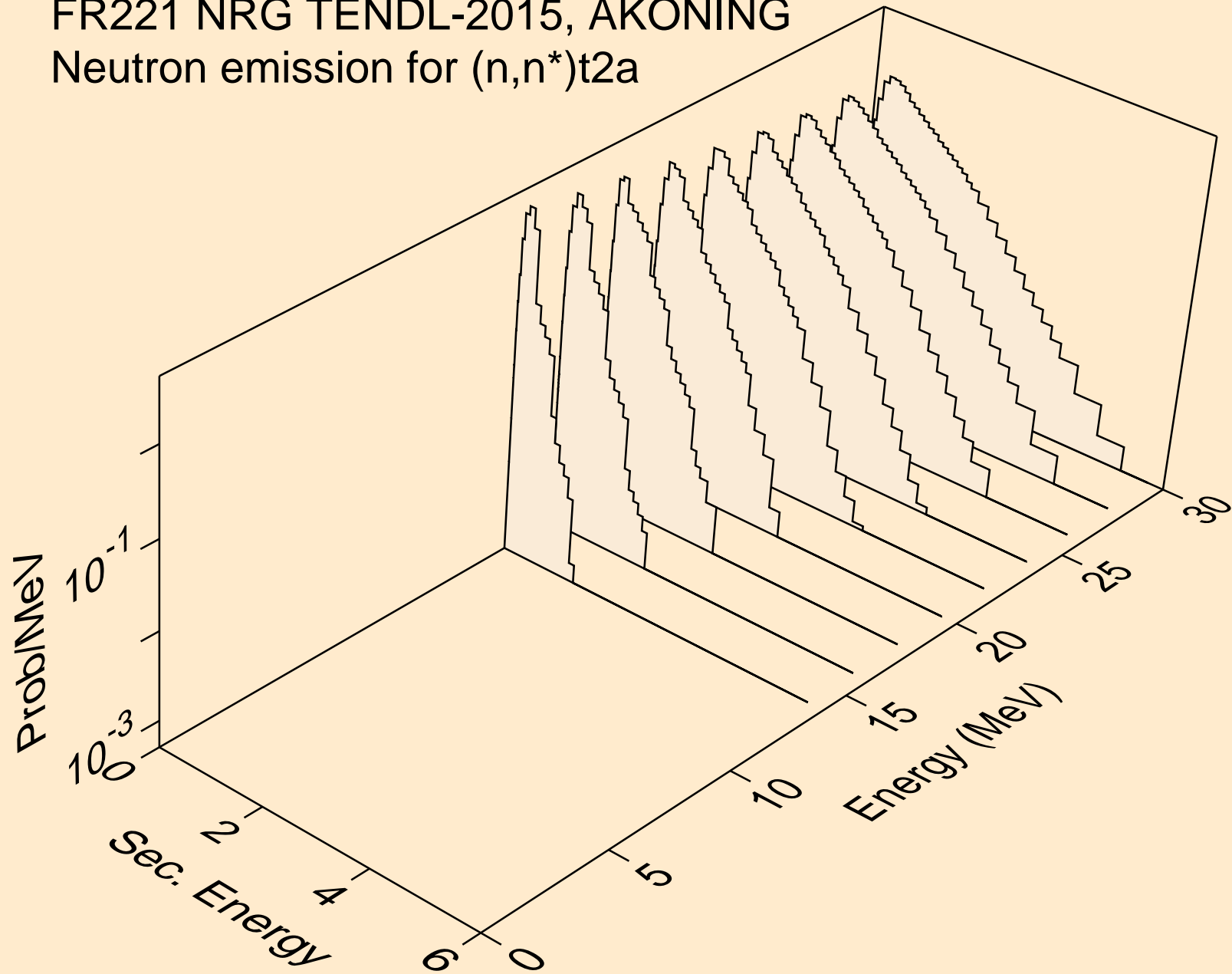
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



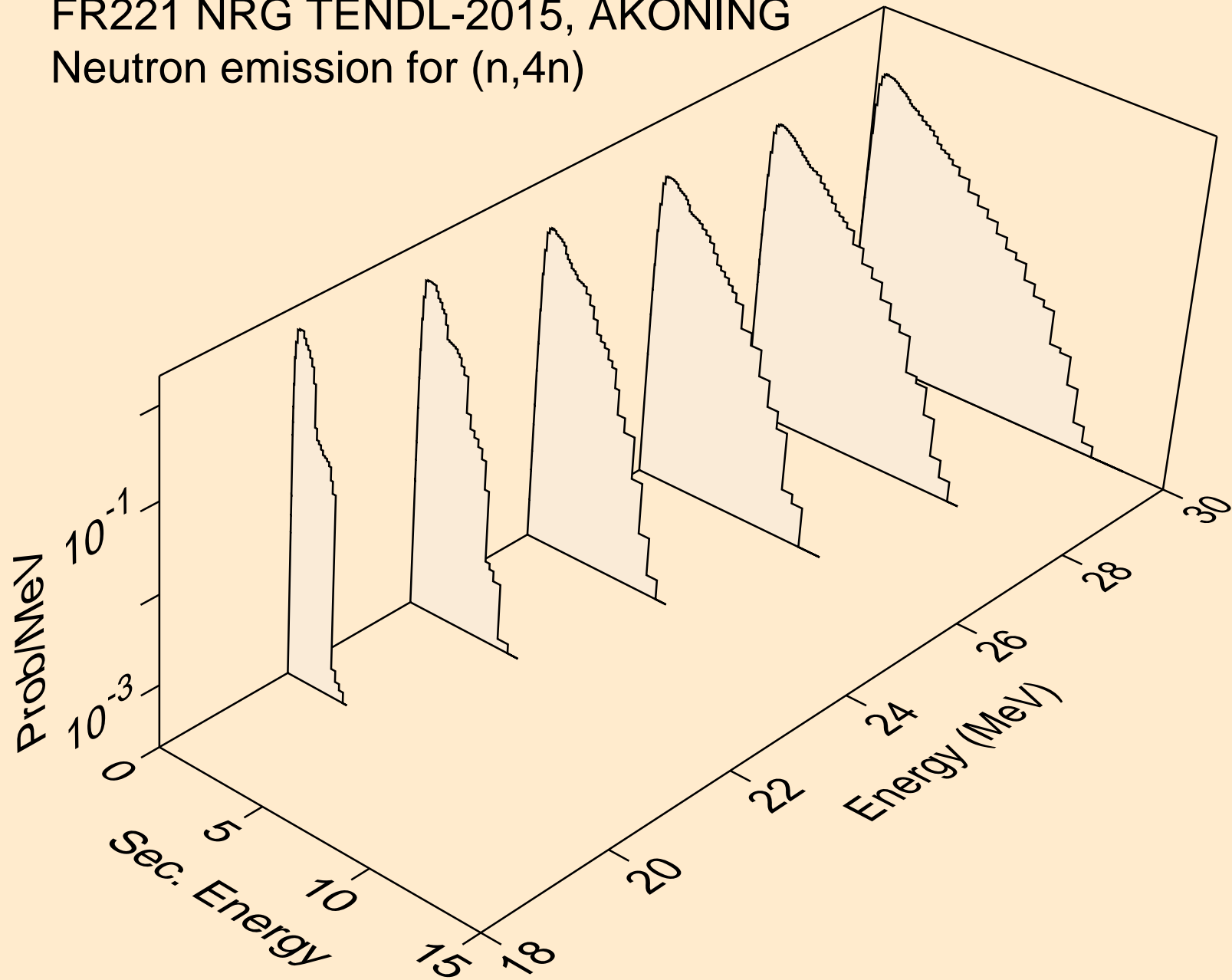
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



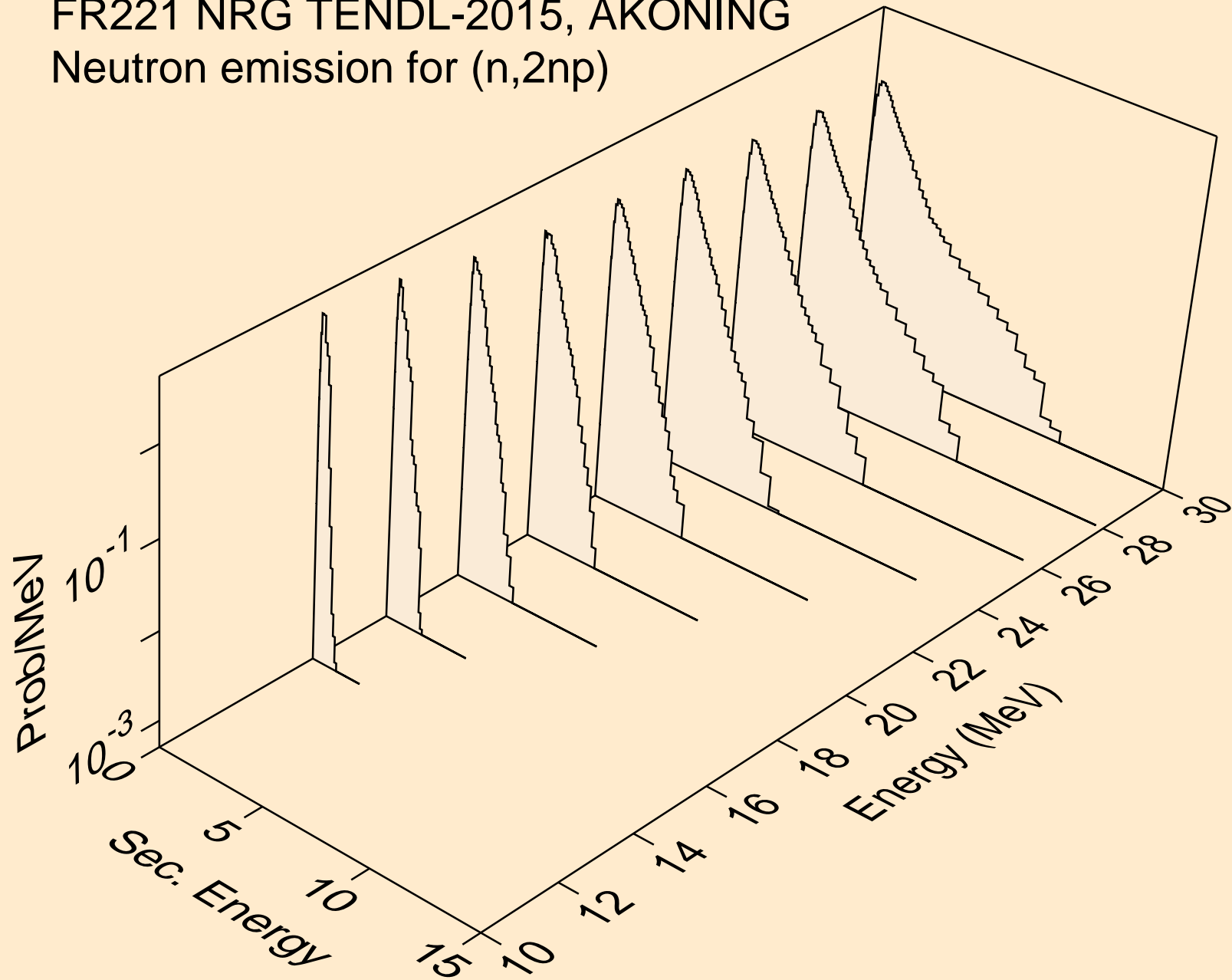
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t2a



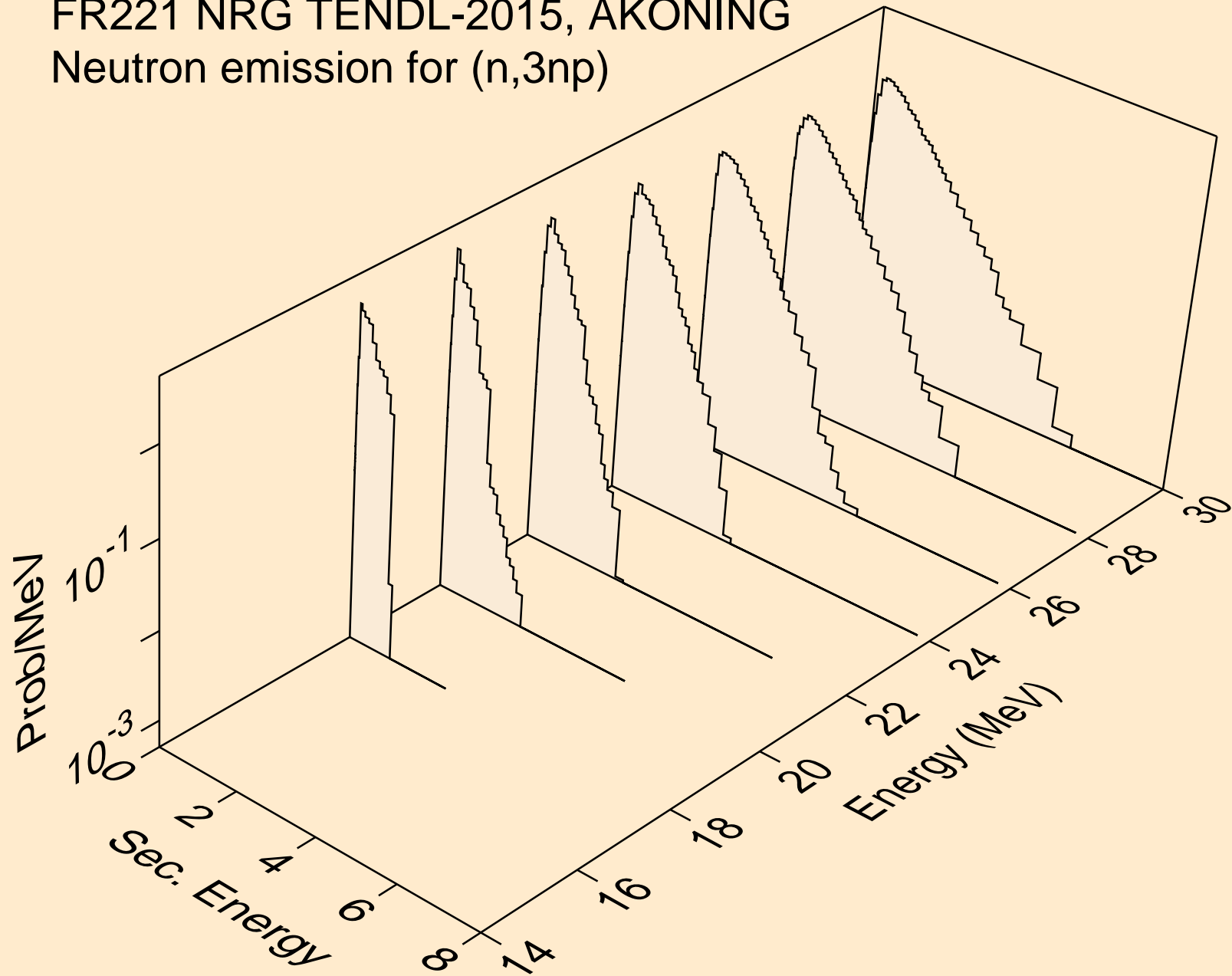
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



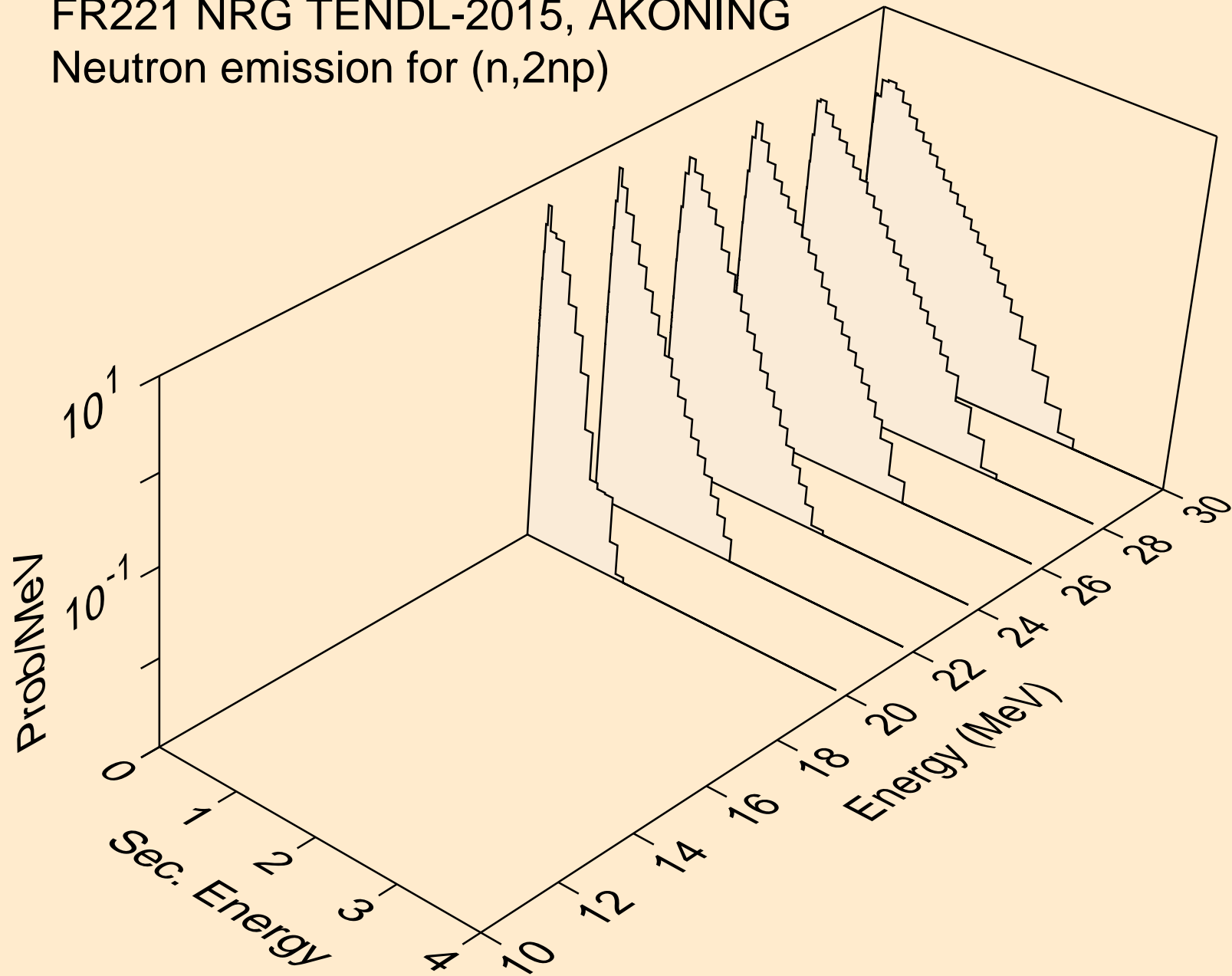
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



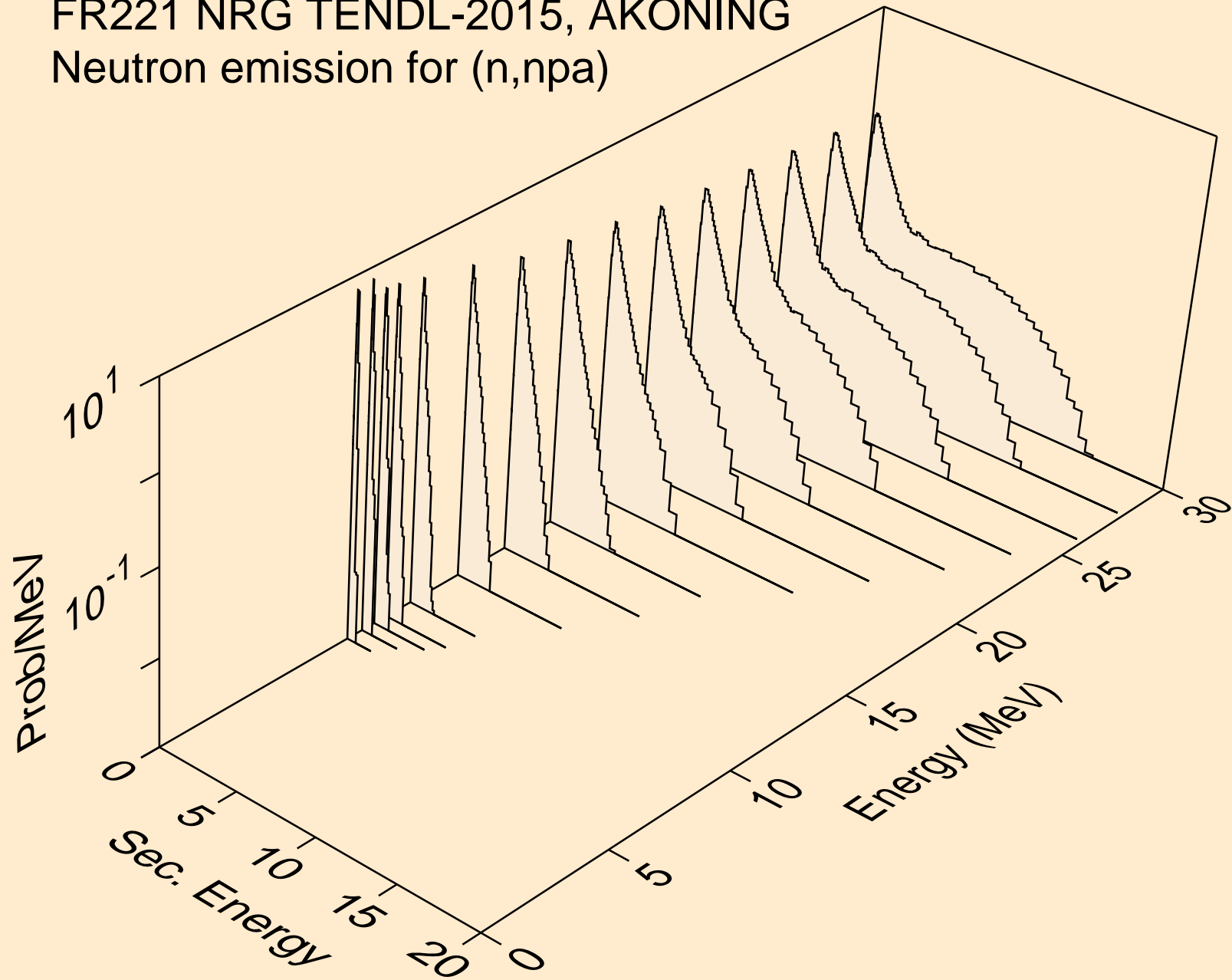
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



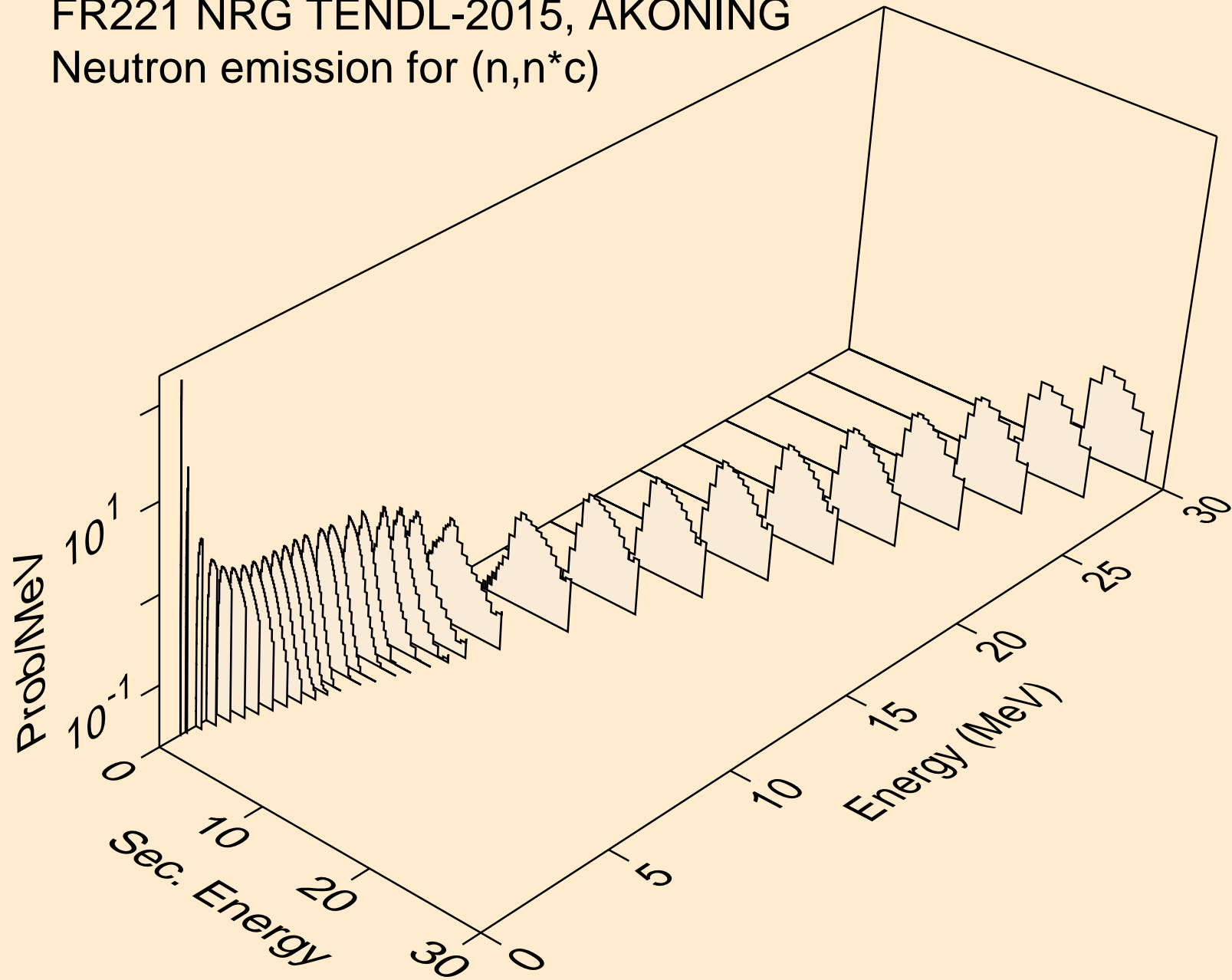
FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

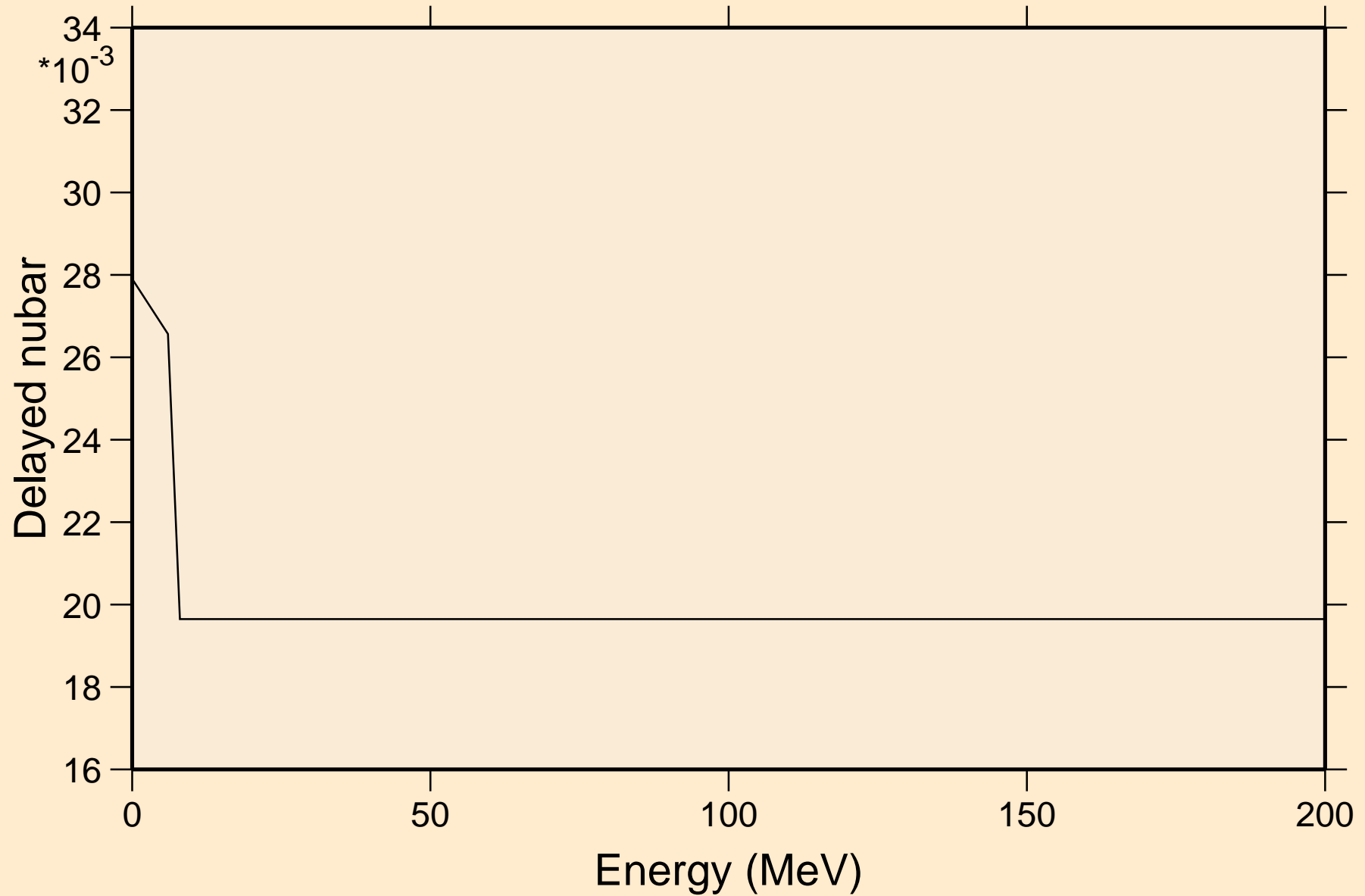


FR221 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



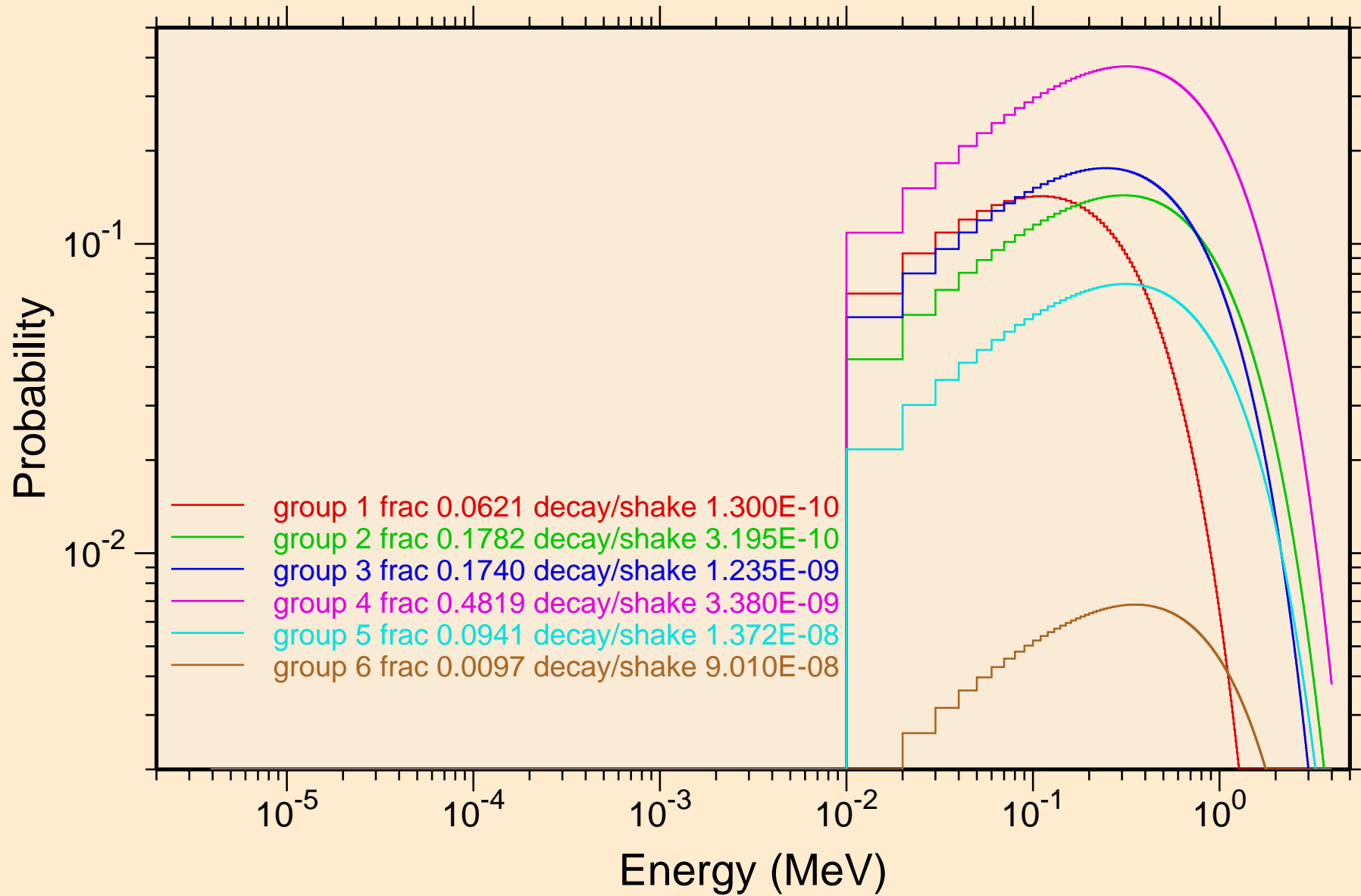
# FR221 NRG TENDL-2015, AKONING

Delayed nubar

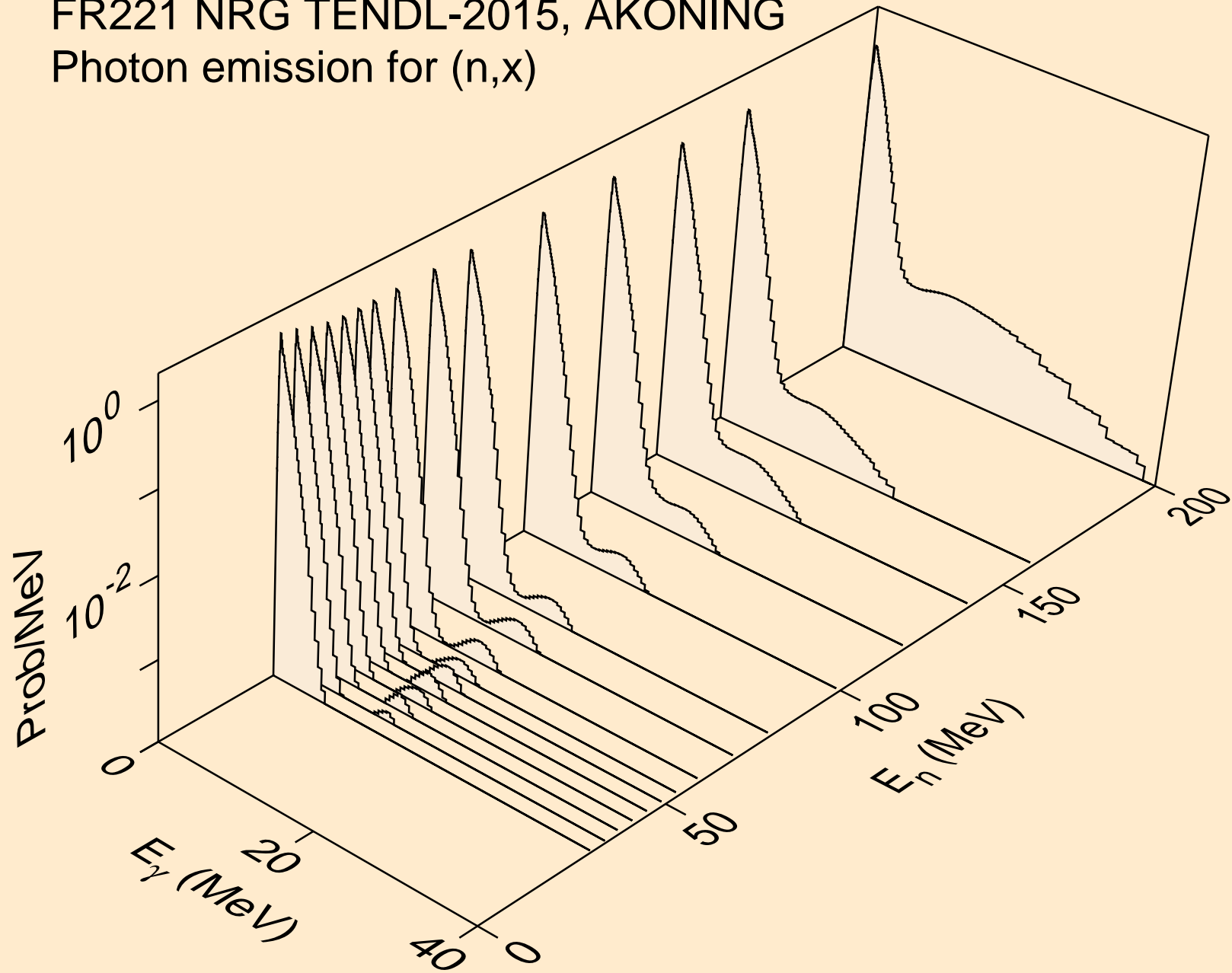


# FR221 NRG TENDL-2015, AKONING

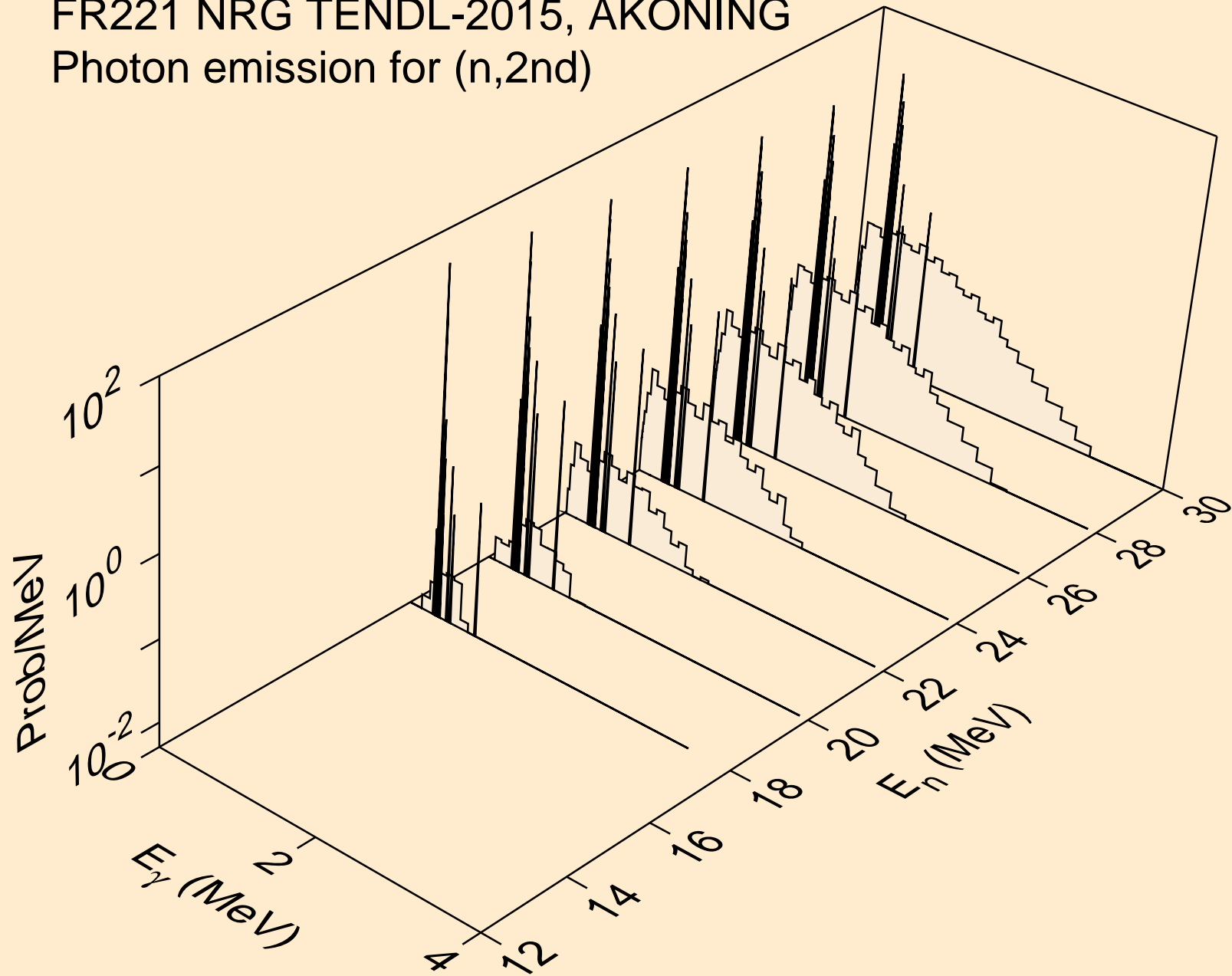
## Delayed neutron spectra



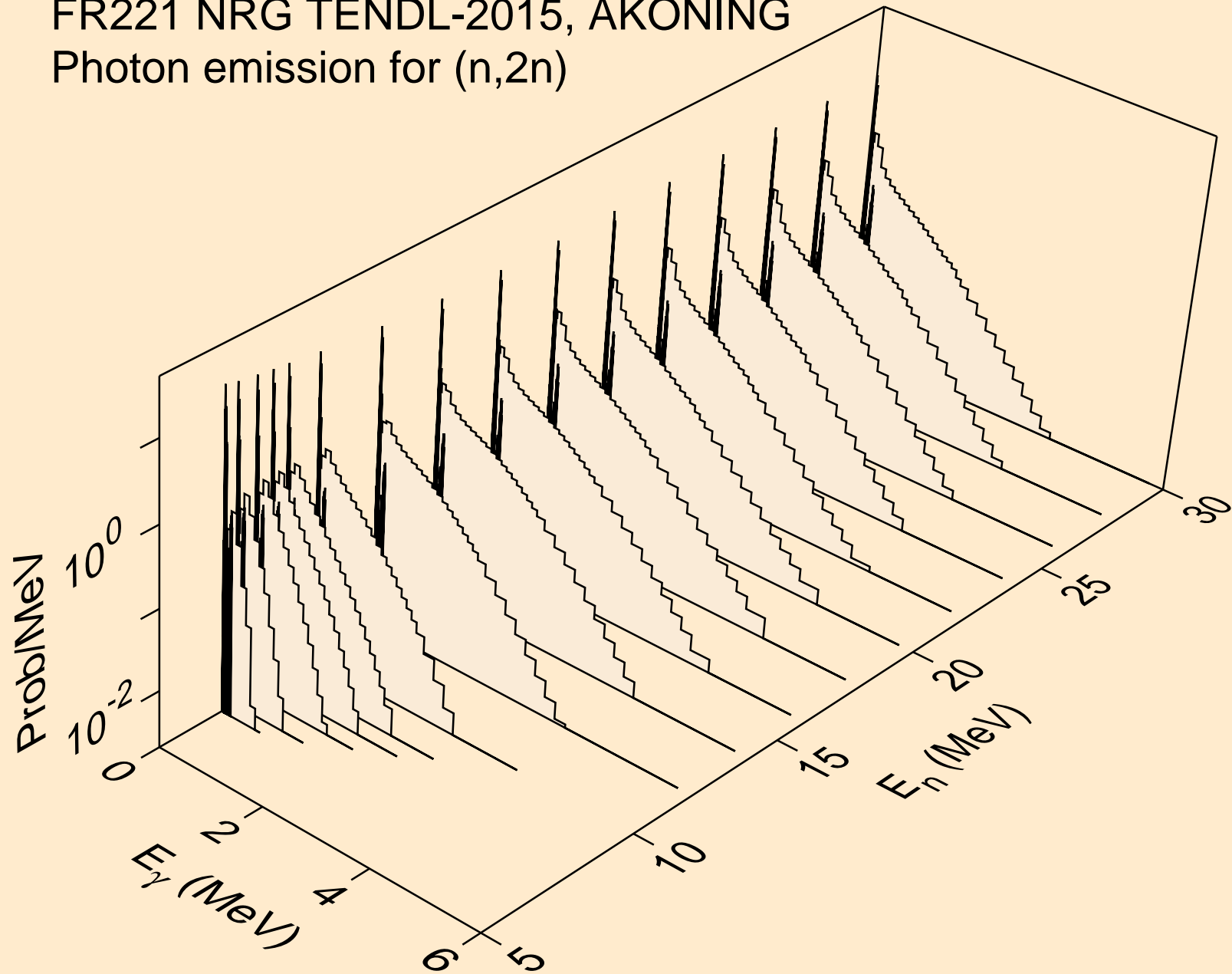
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



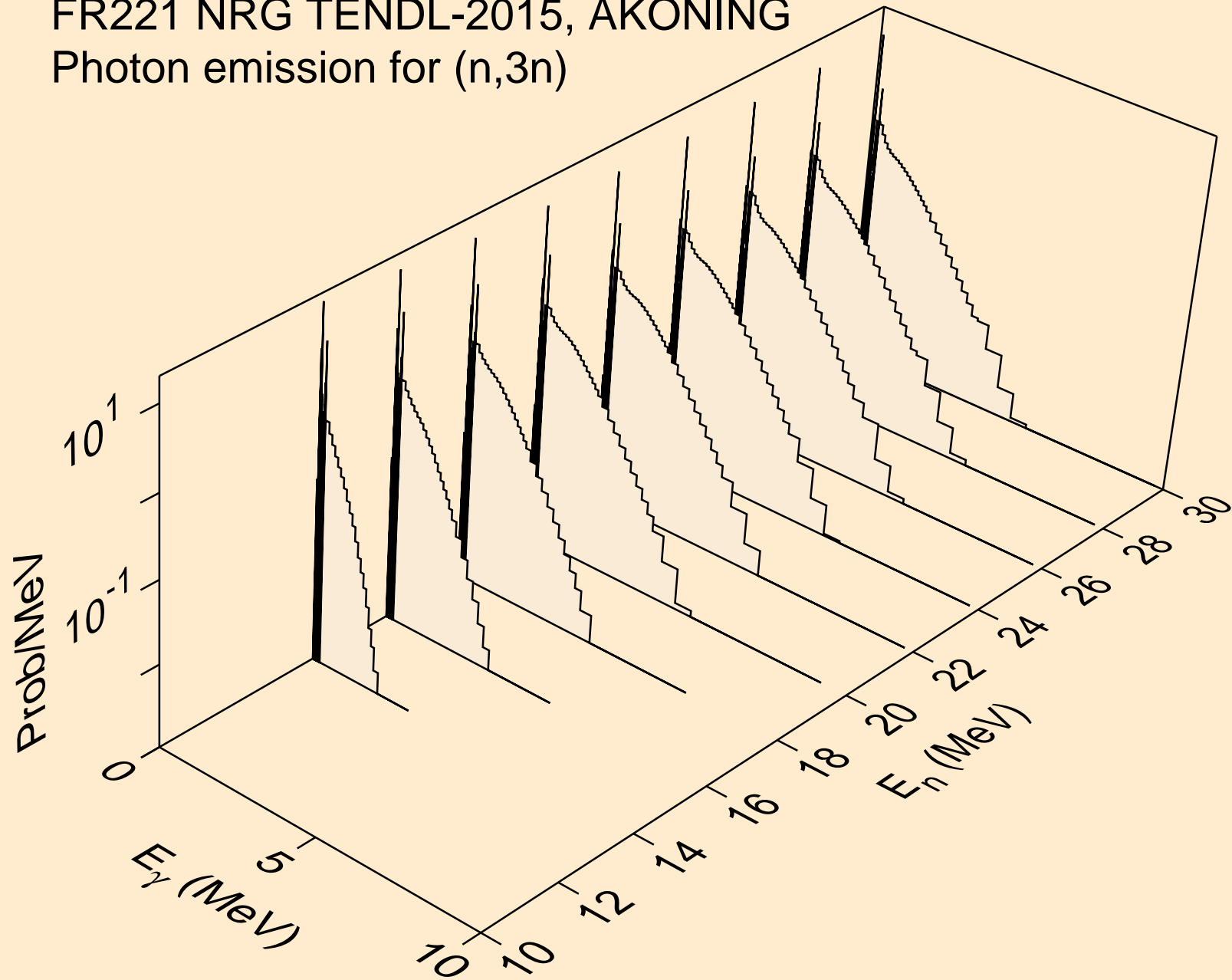
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



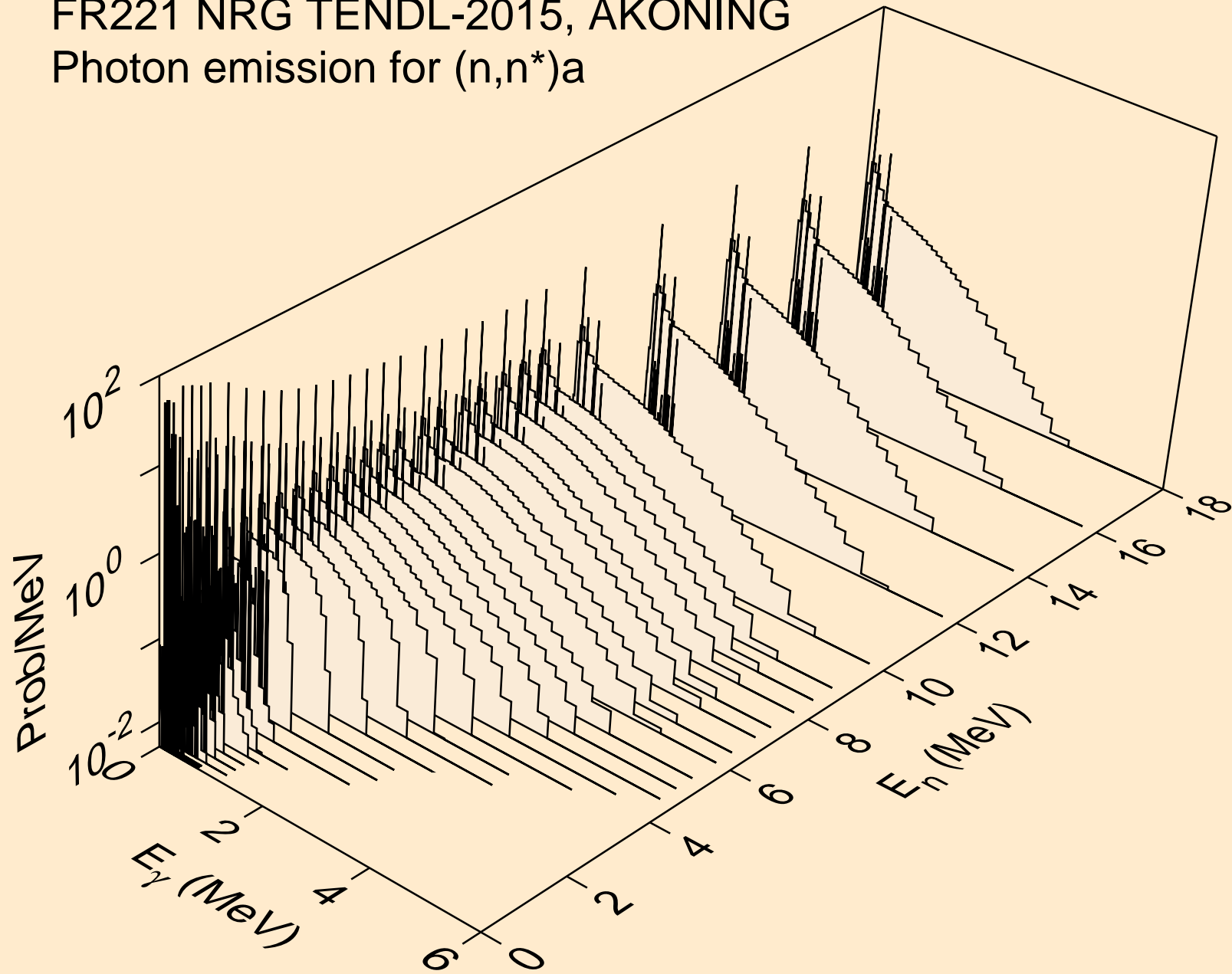
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



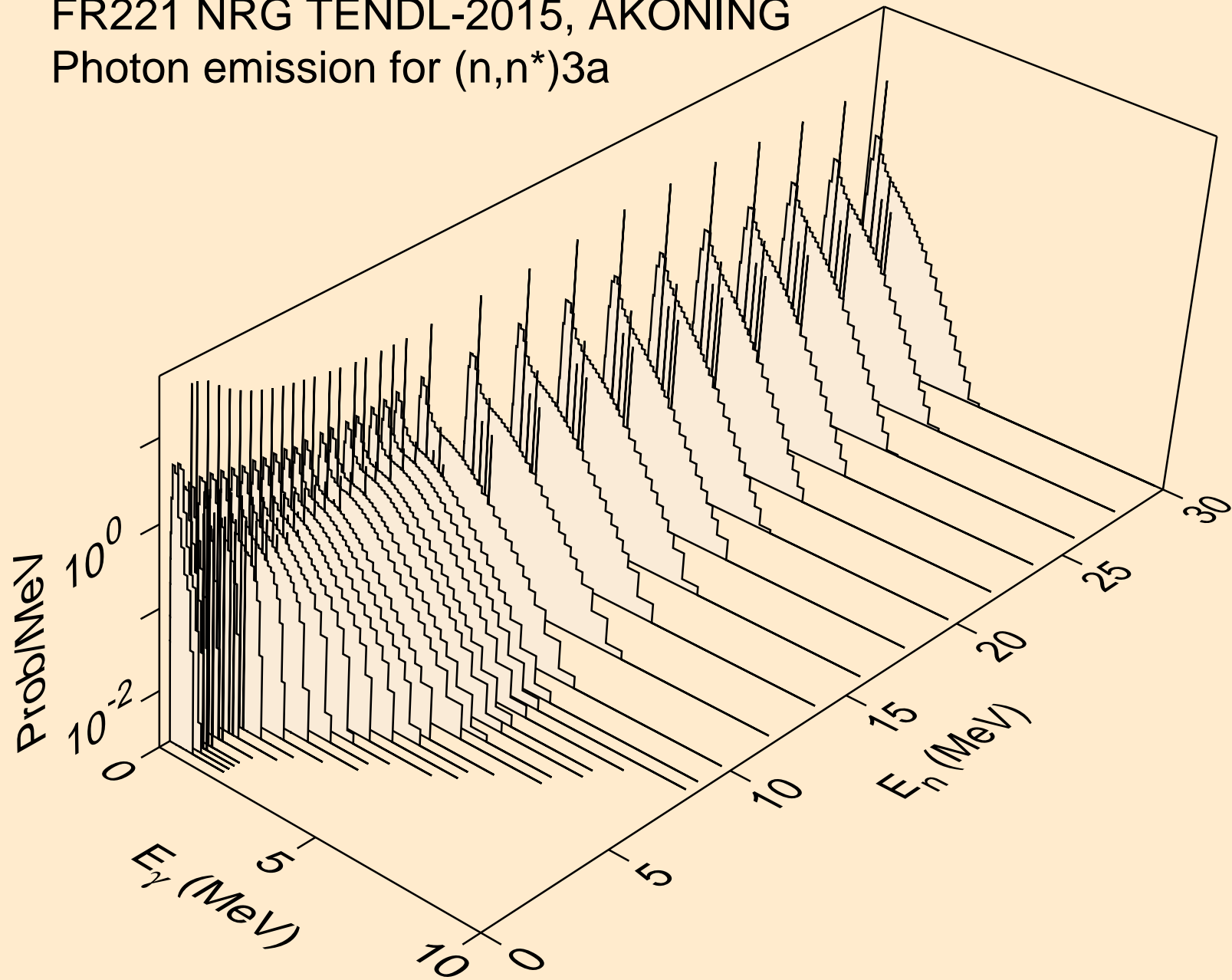
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



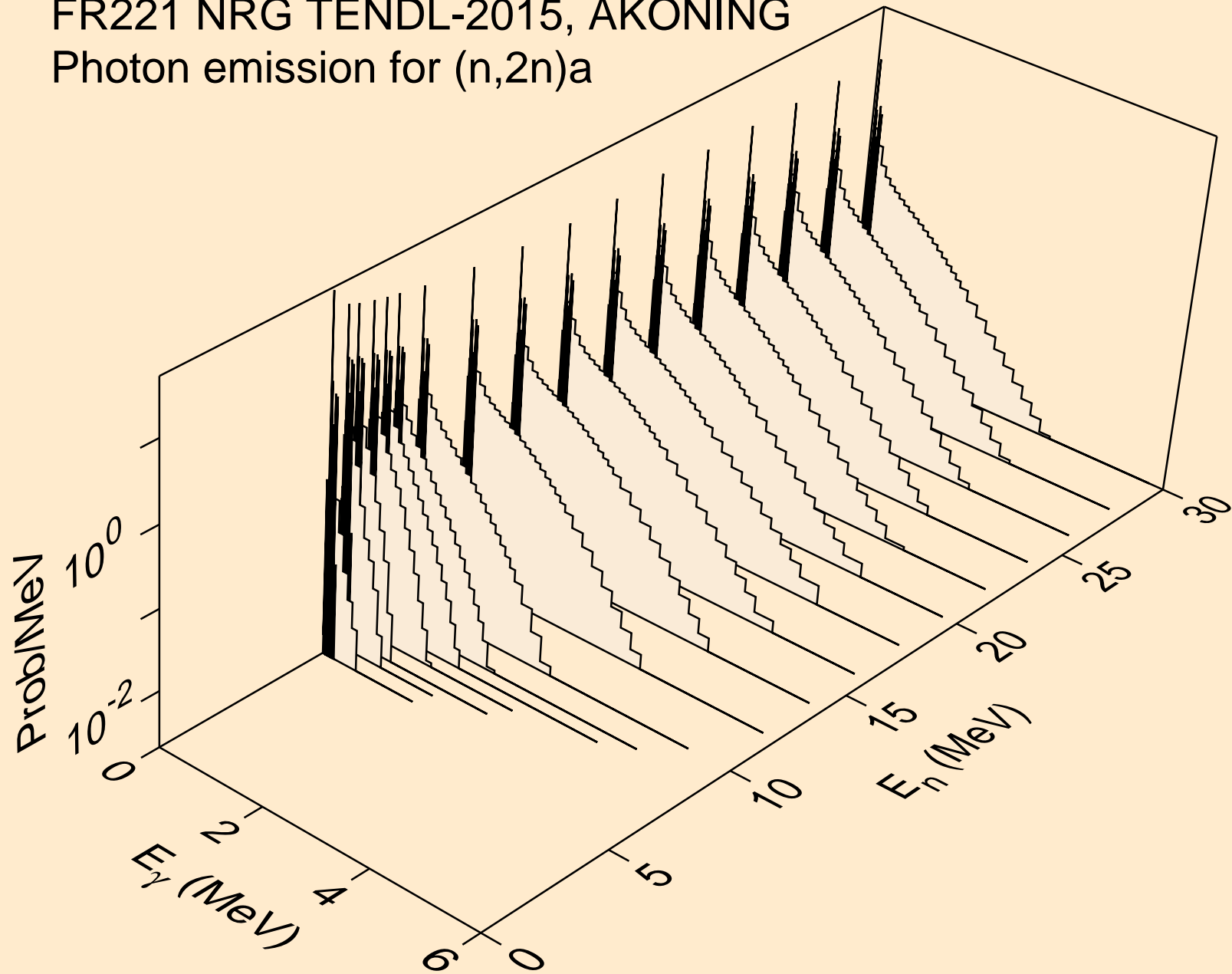
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



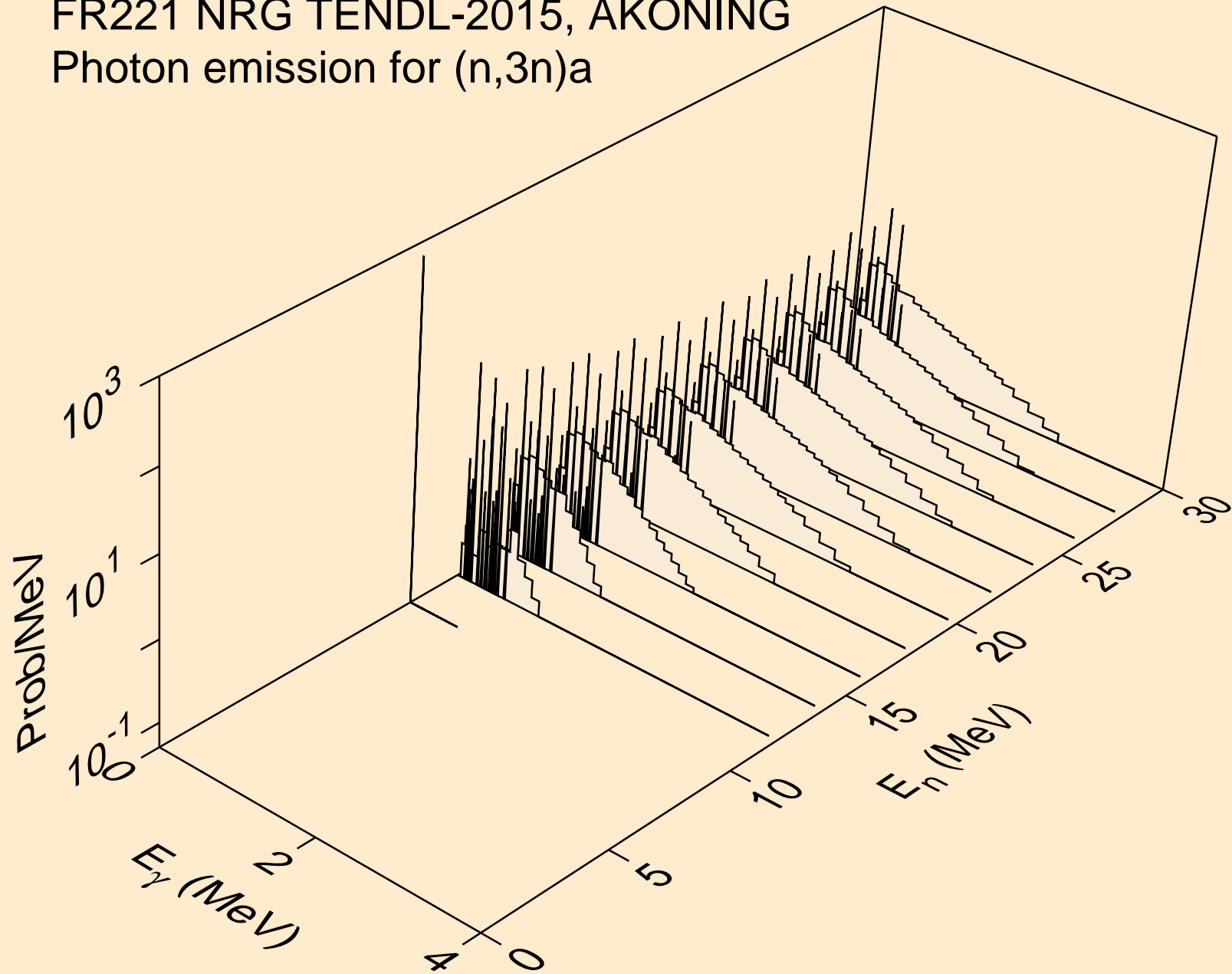
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



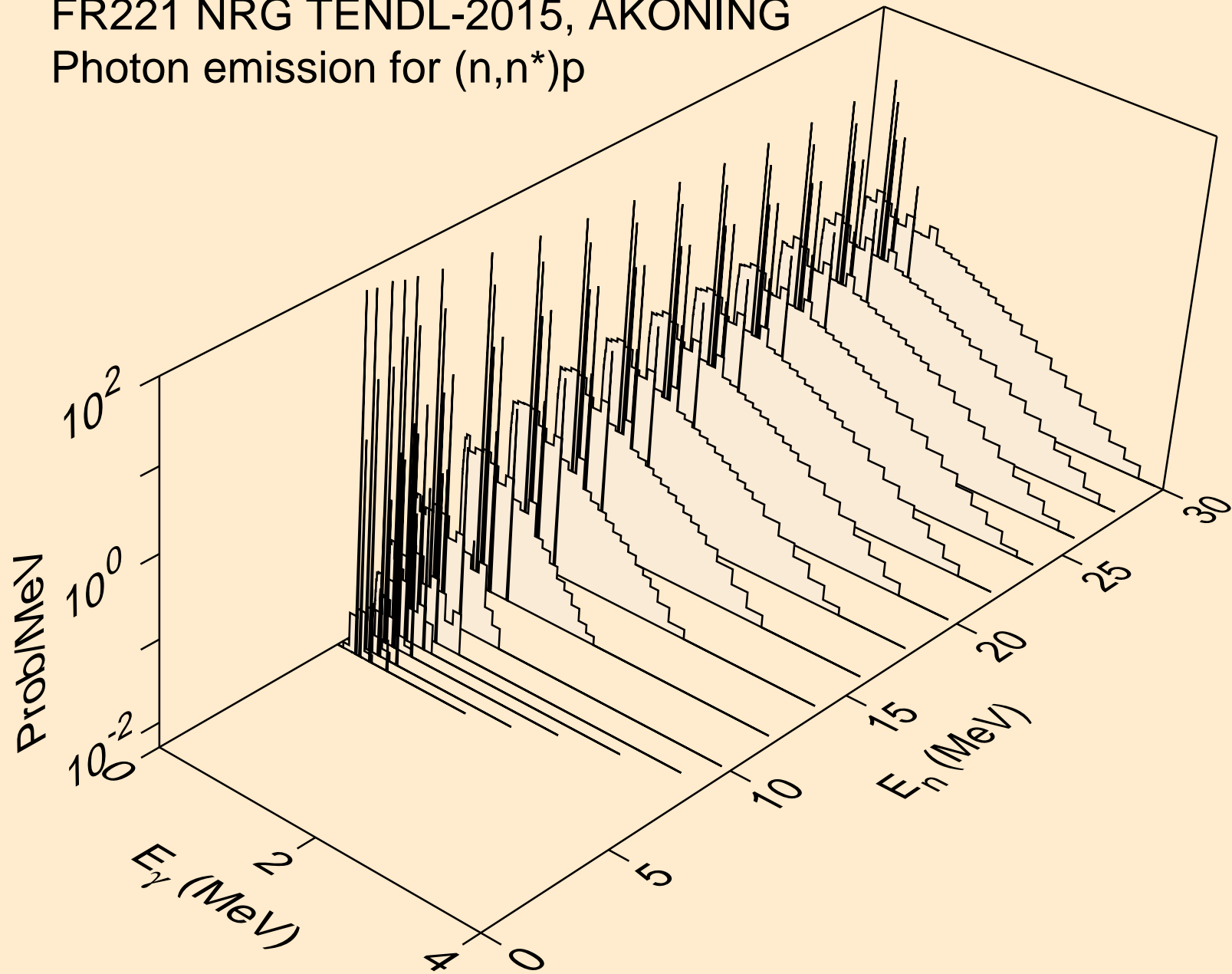
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Photon emission for (n,2n)a



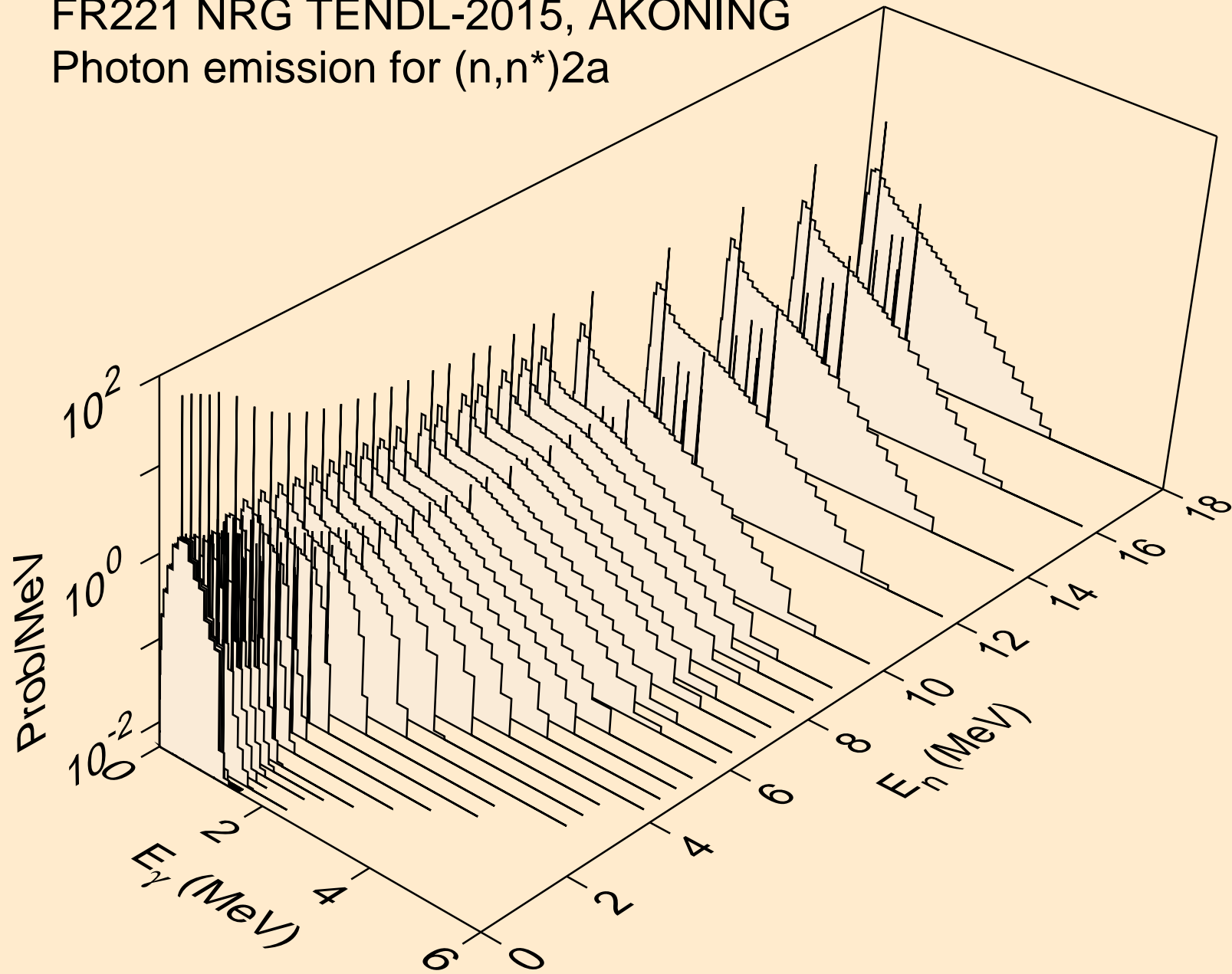
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



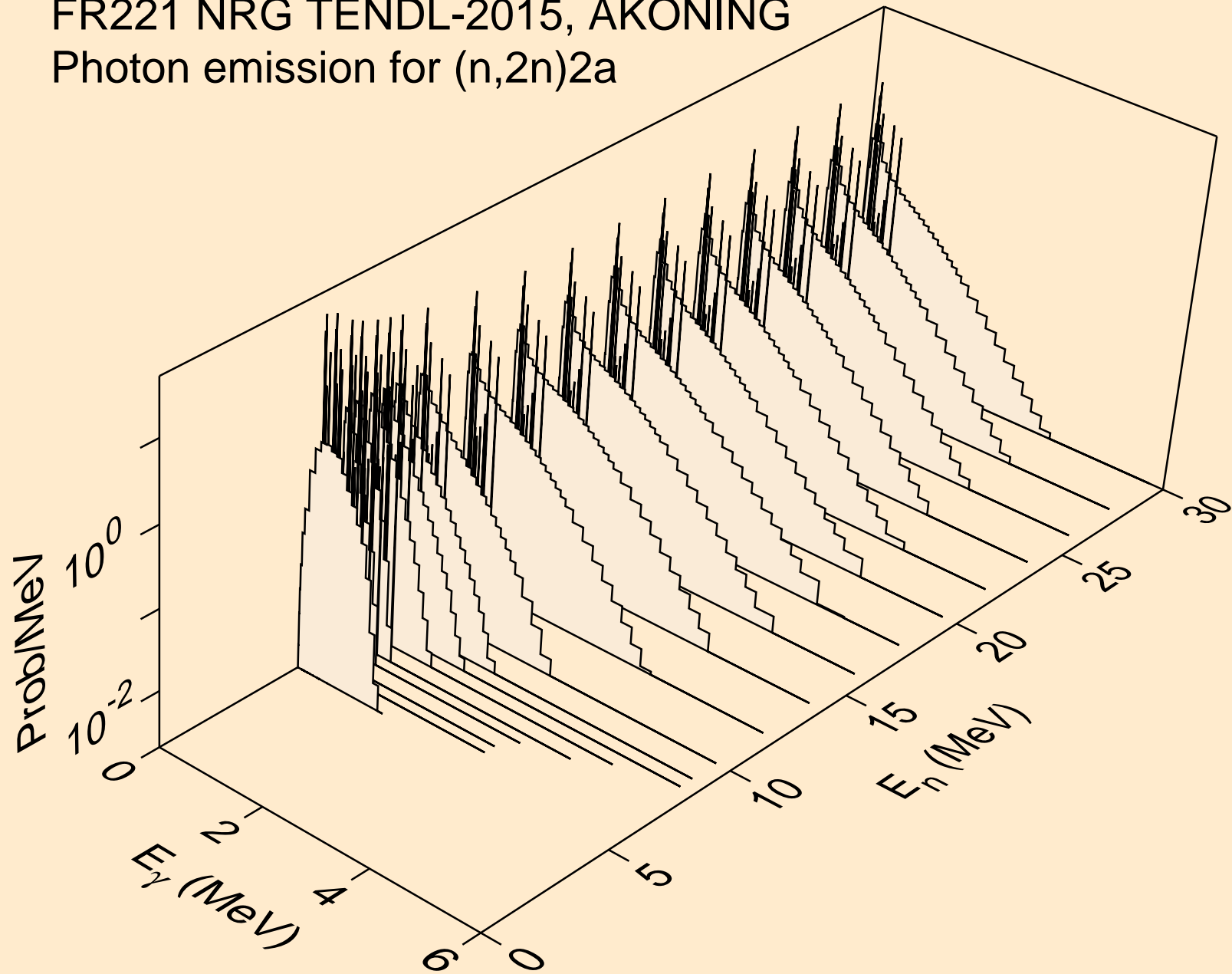
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



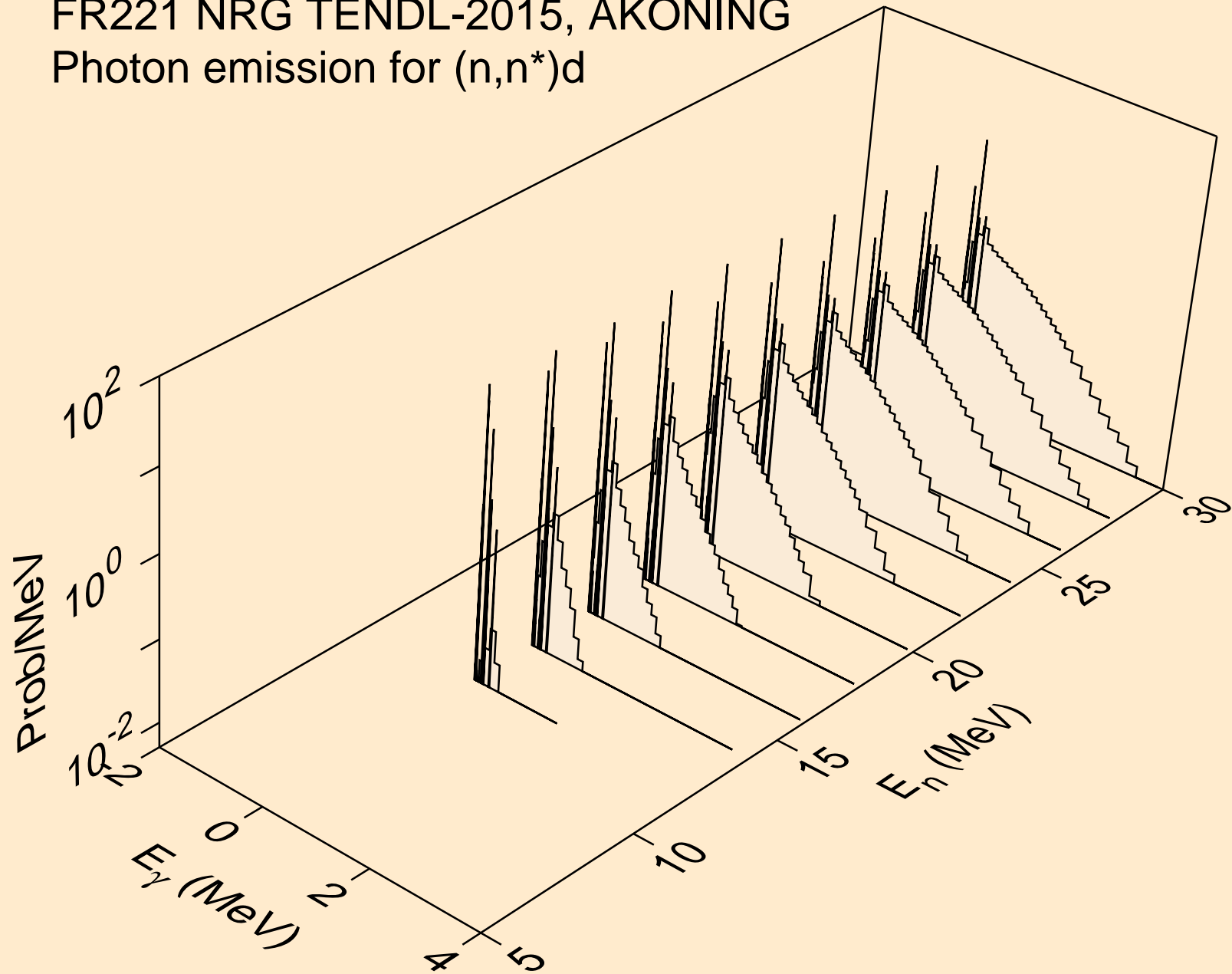
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



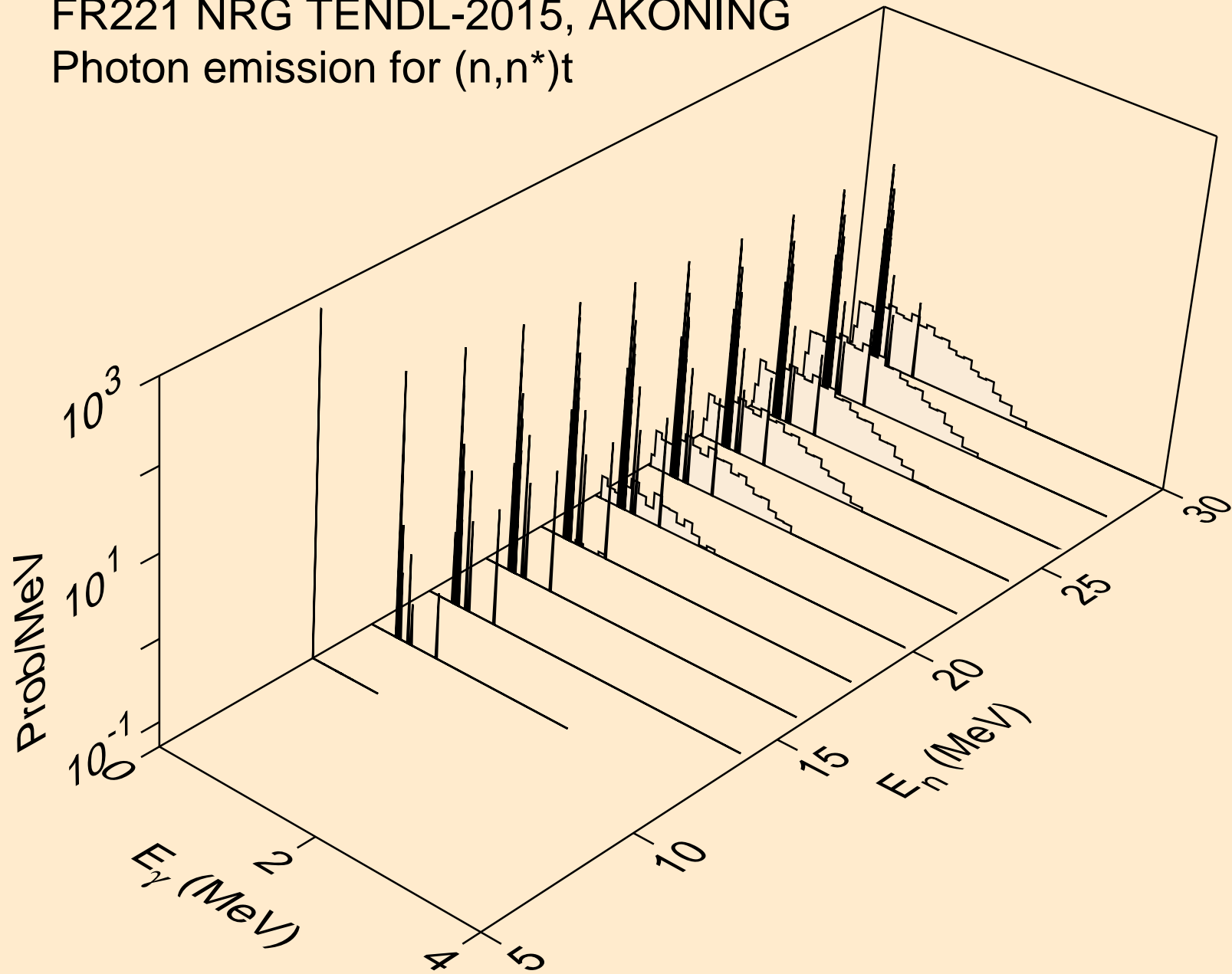
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



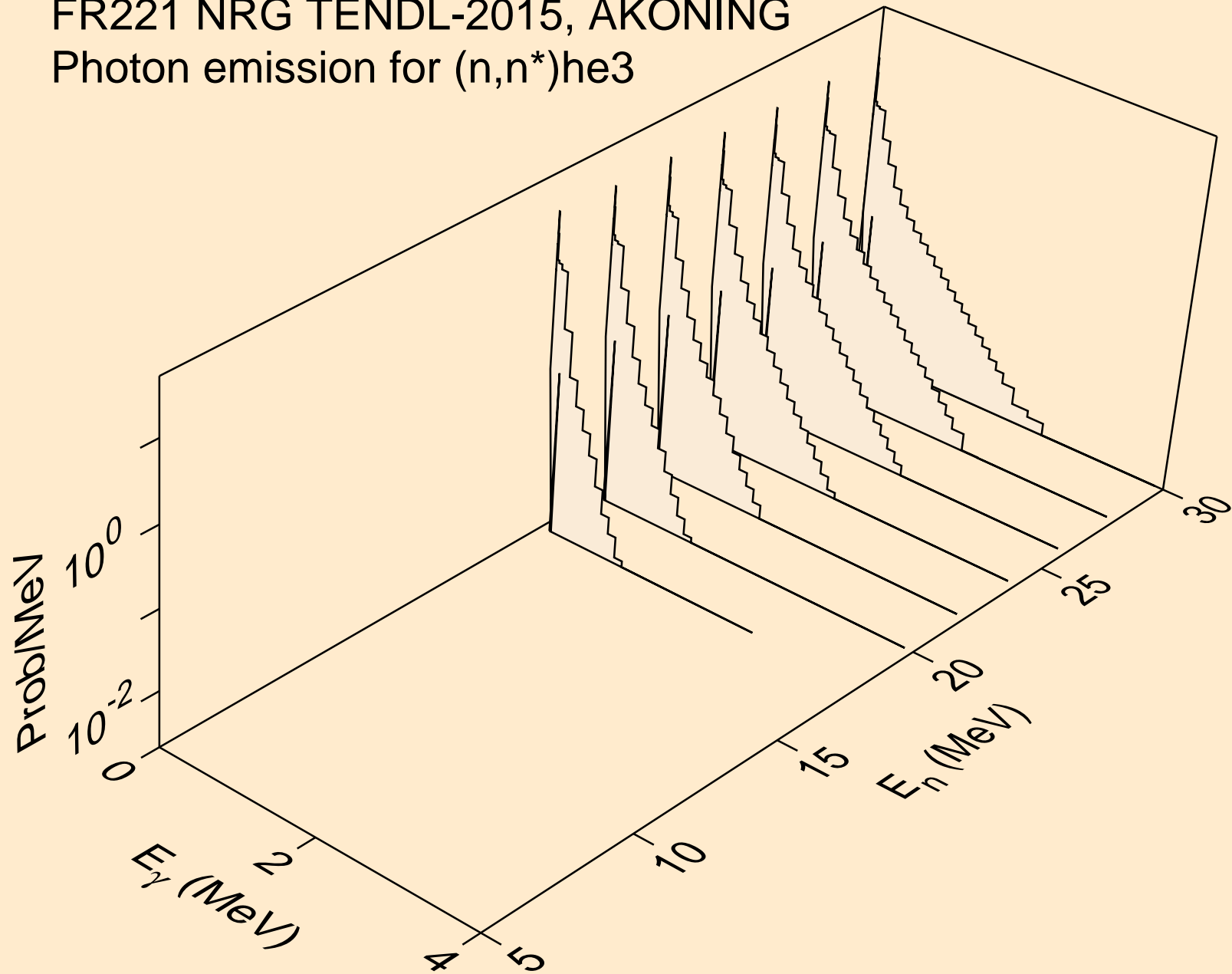
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



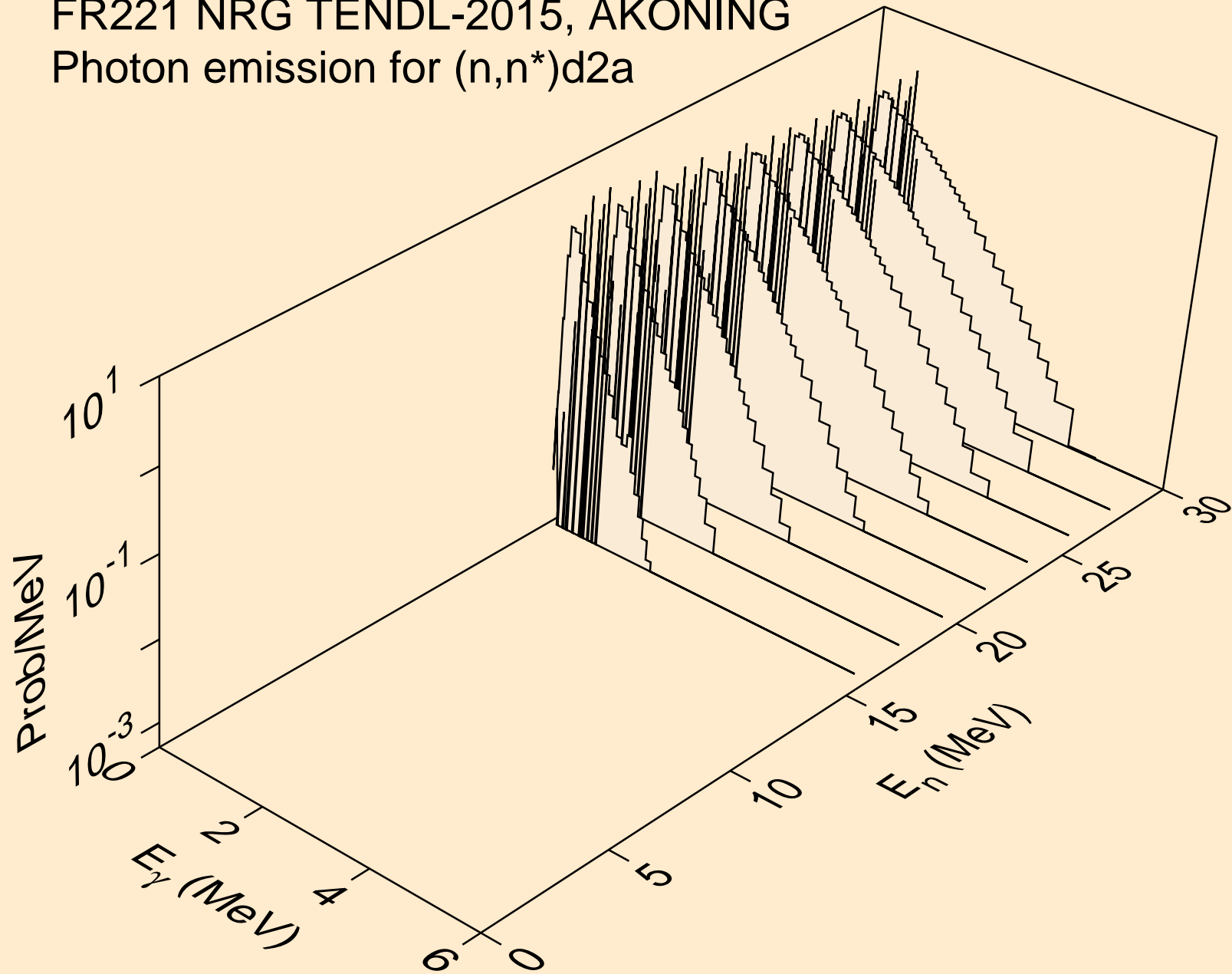
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



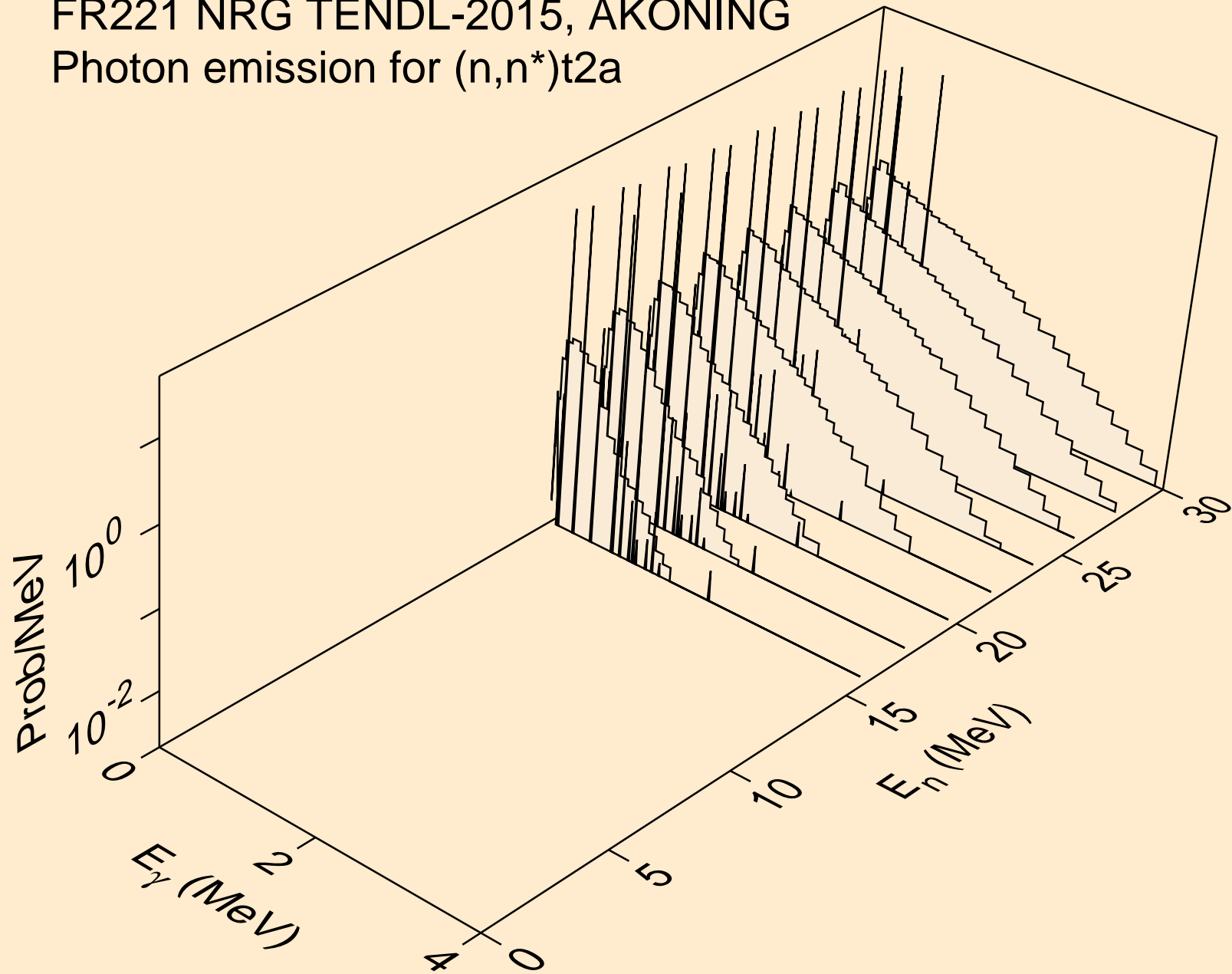
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



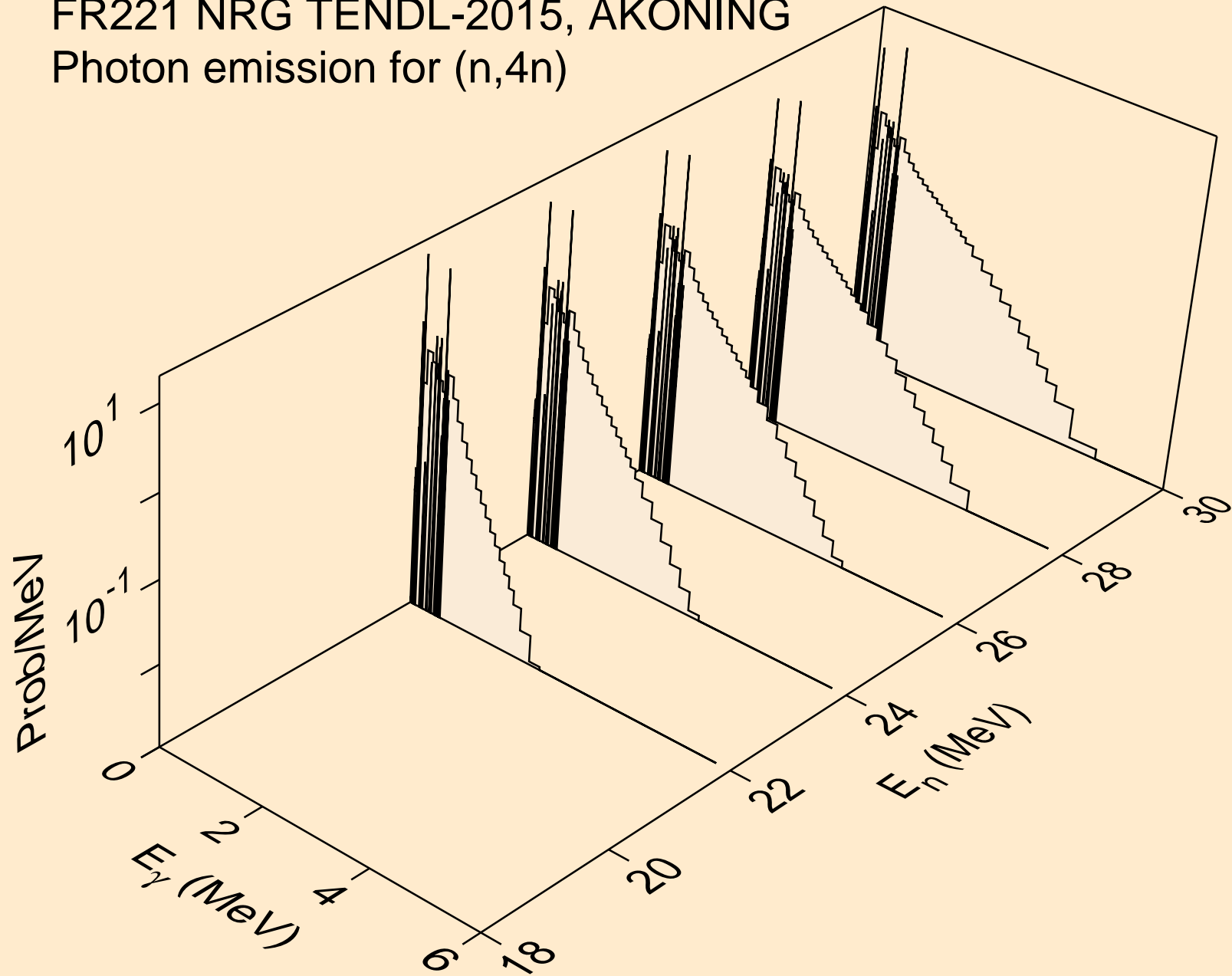
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a



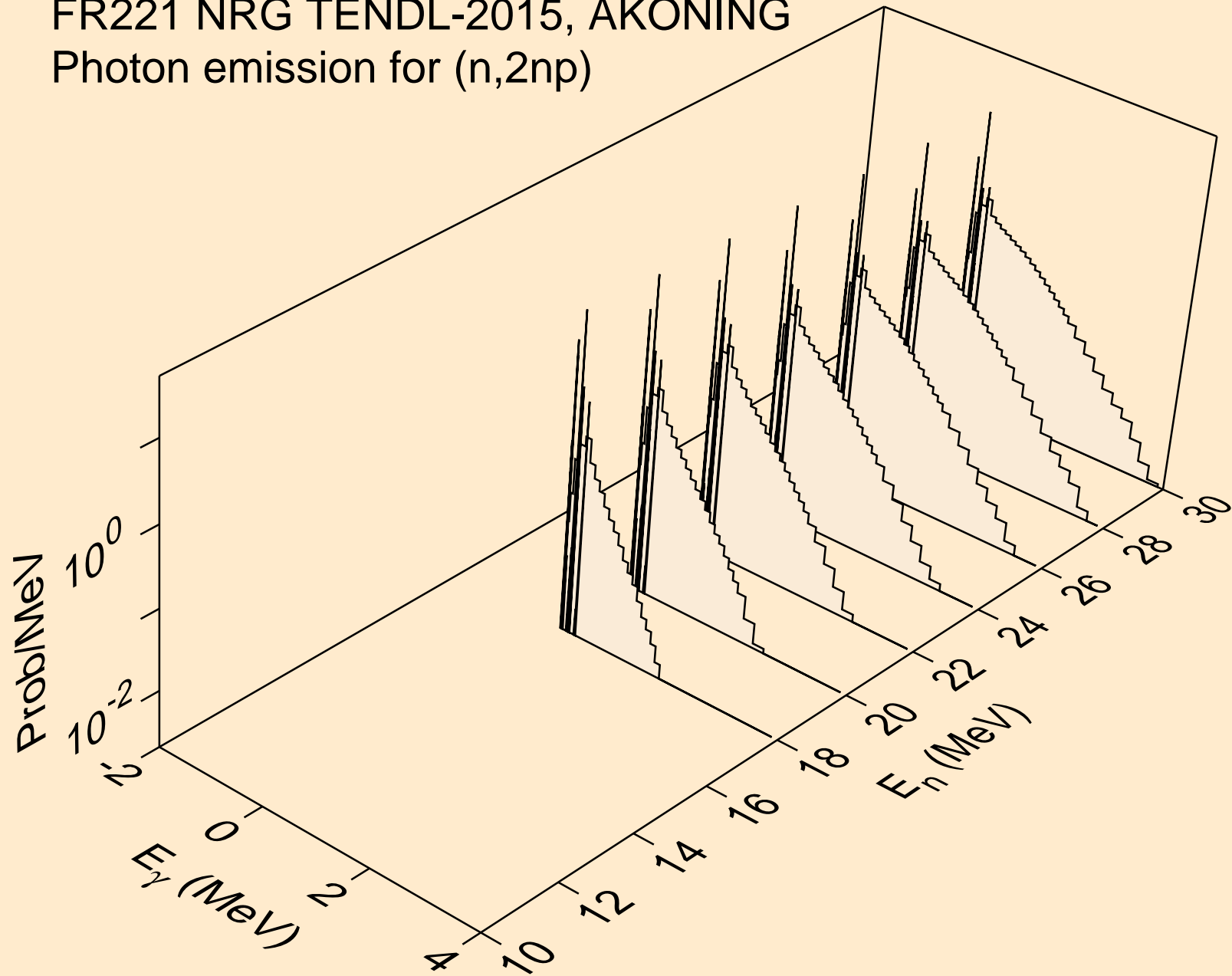
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t2a



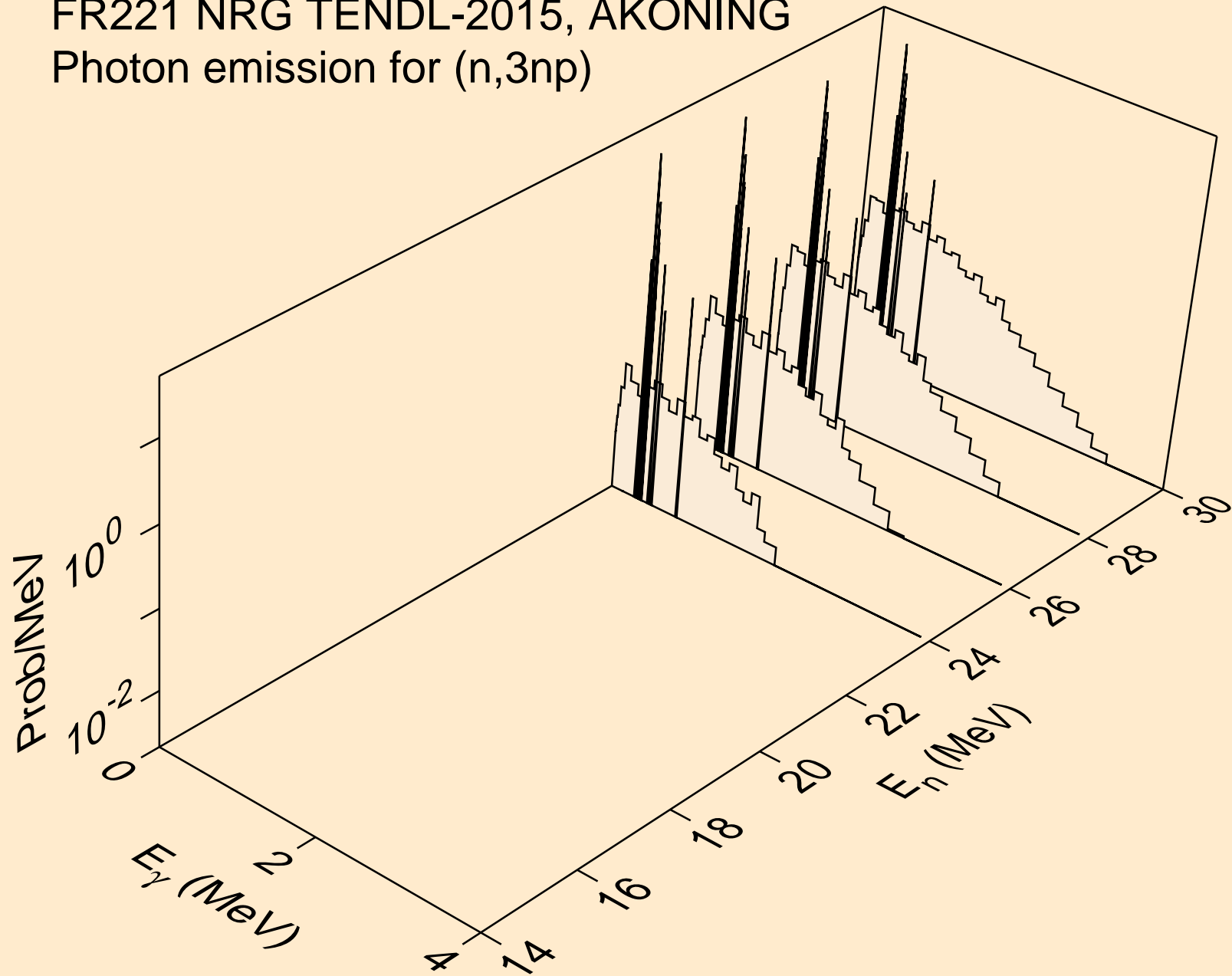
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



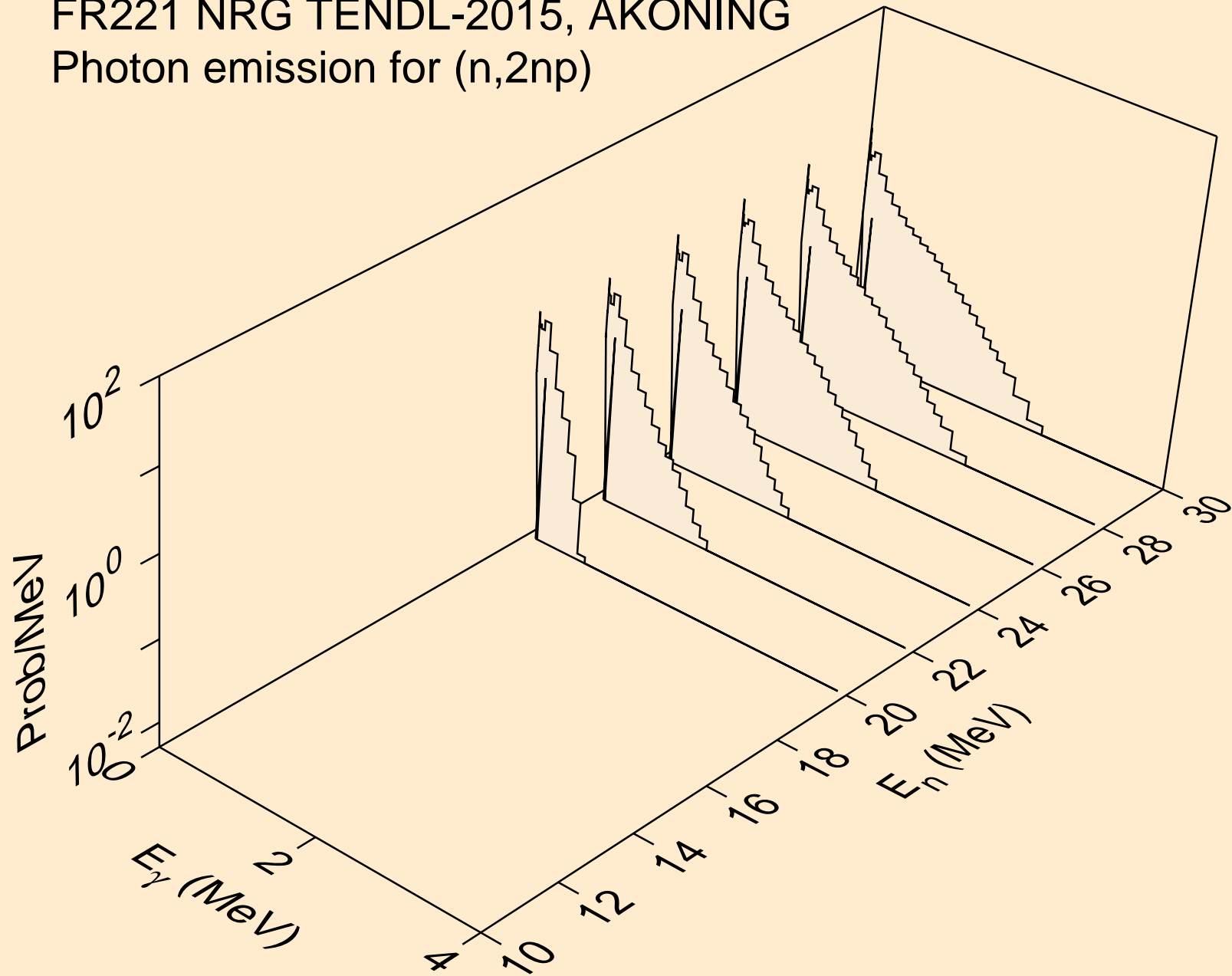
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Photon emission for (n,2np)



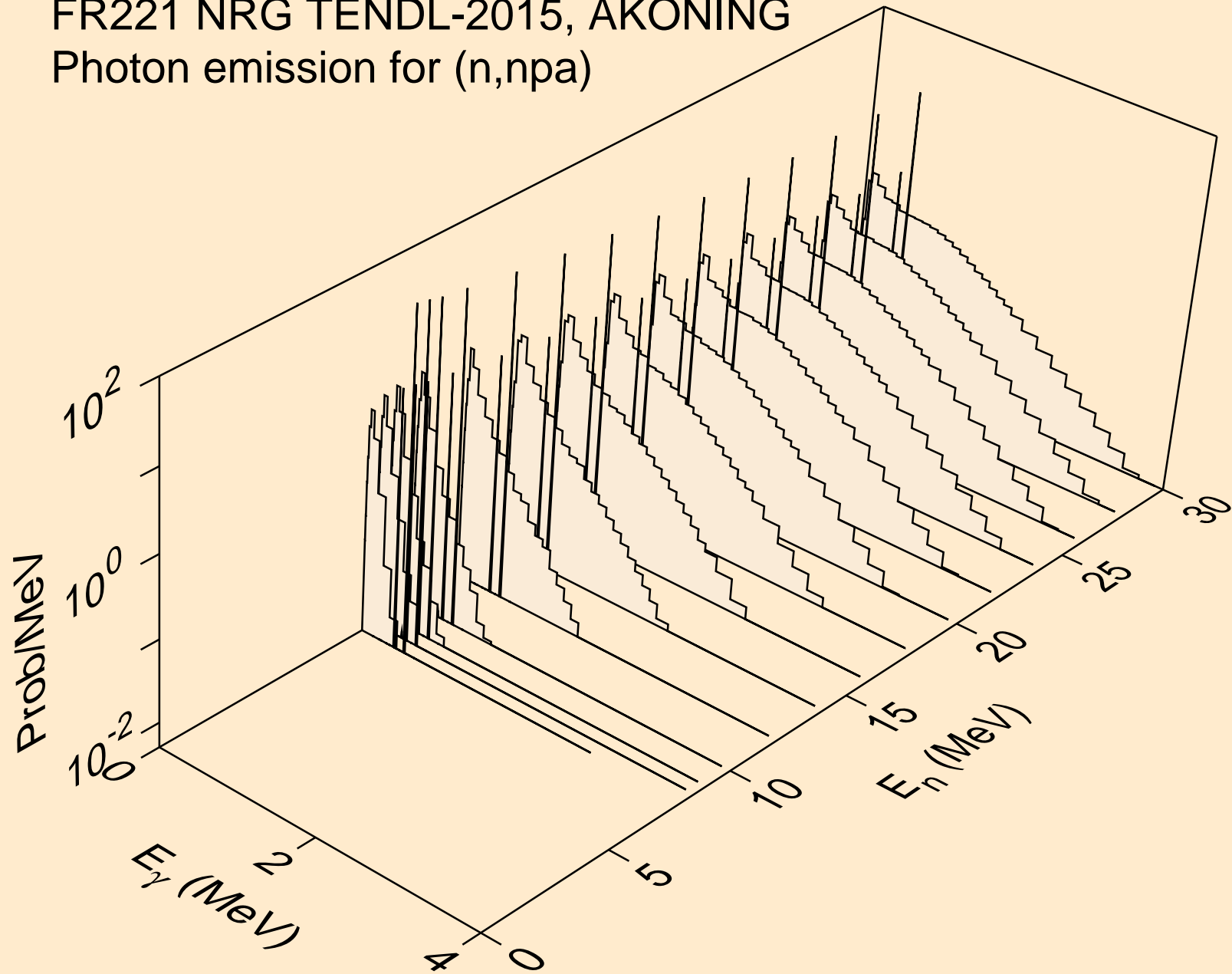
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Photon emission for (n,3np)



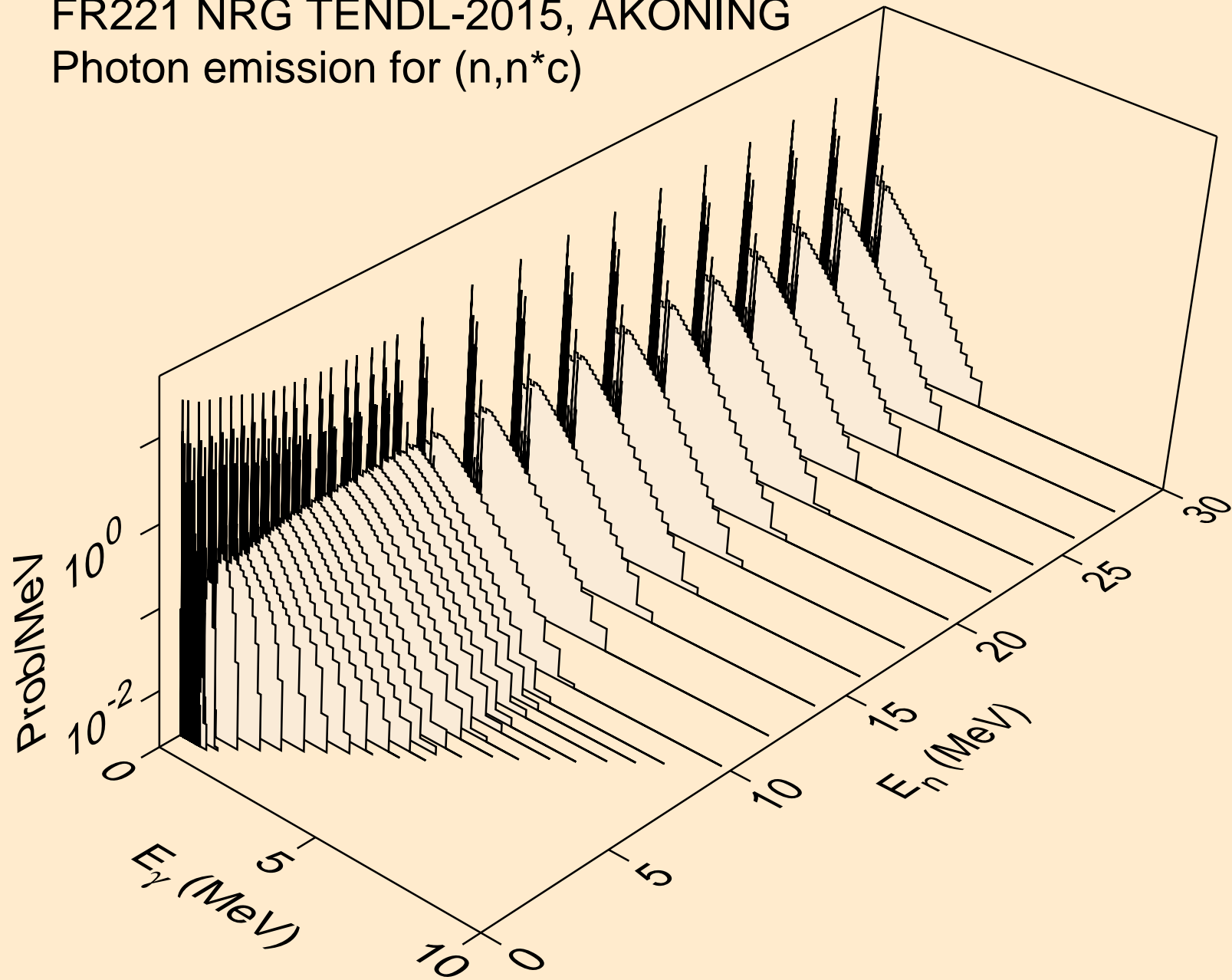
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Photon emission for (n,2np)



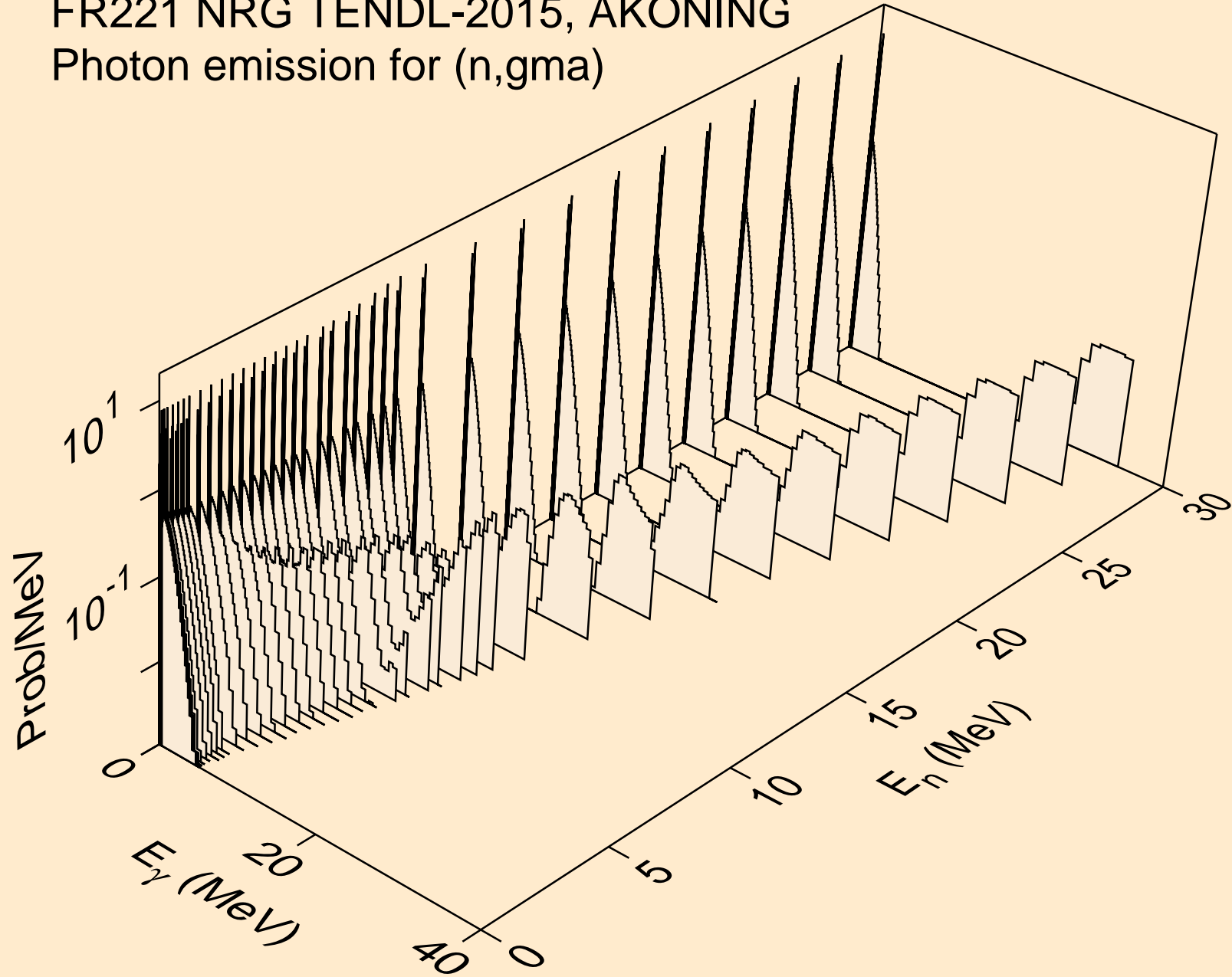
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



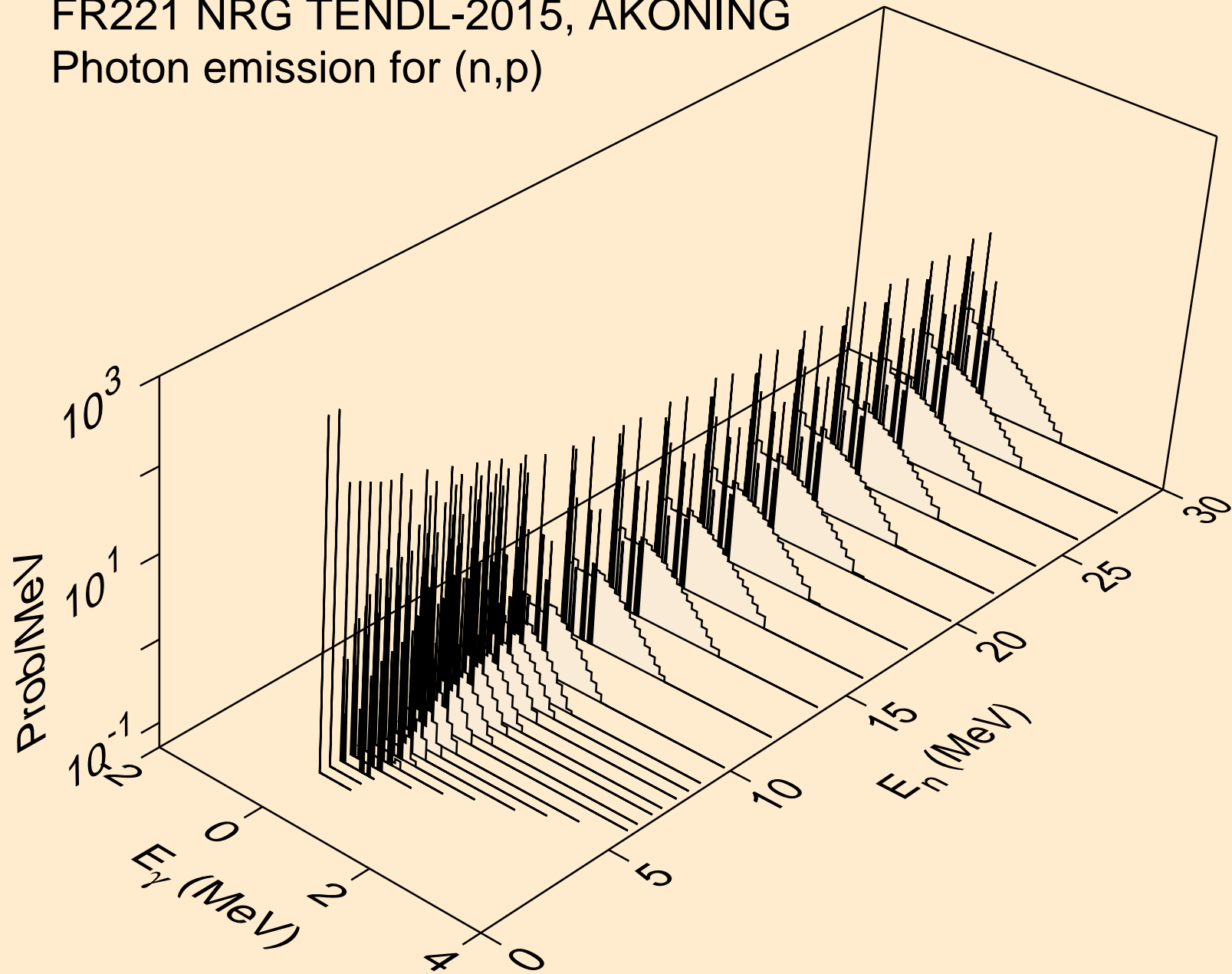
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



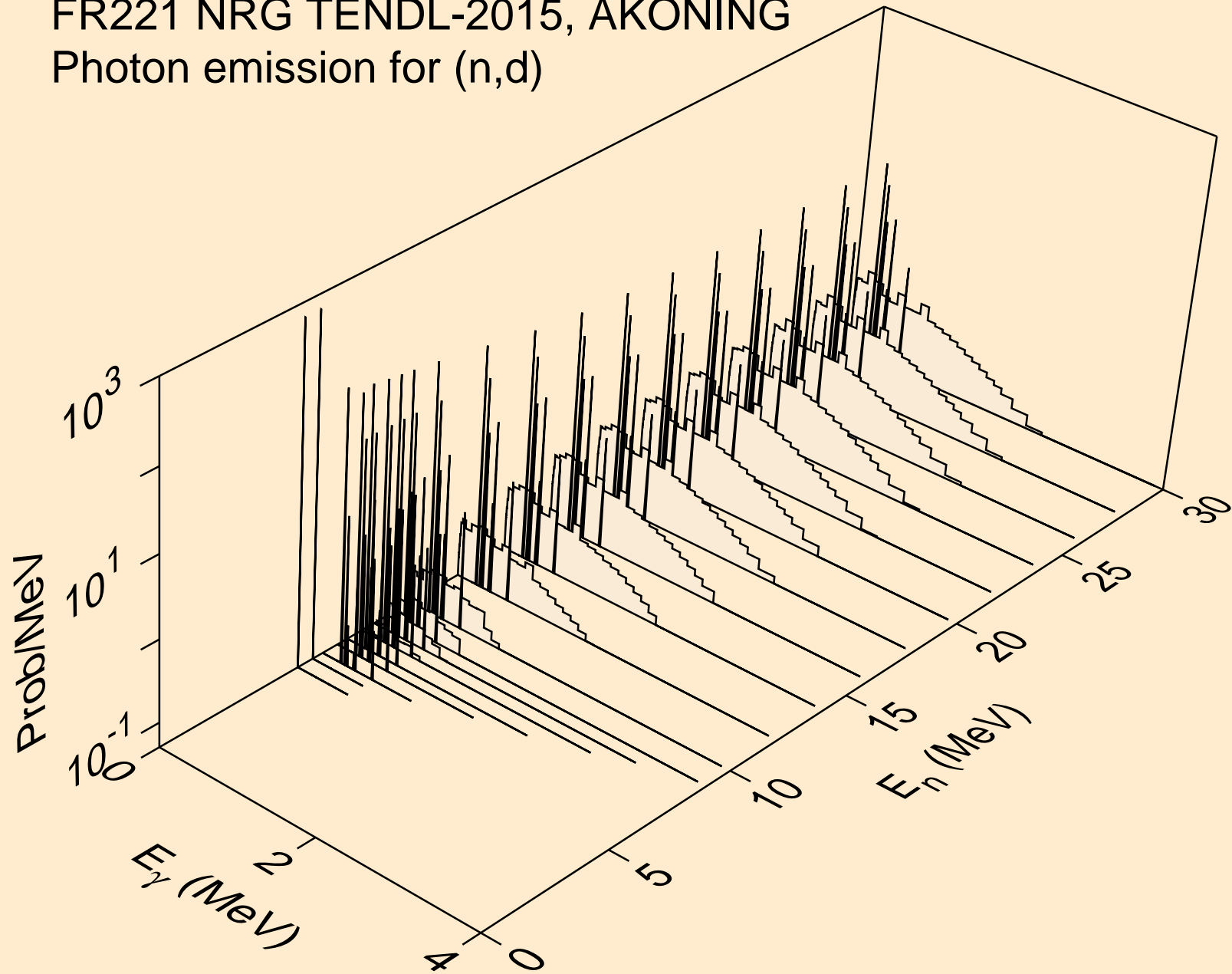
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



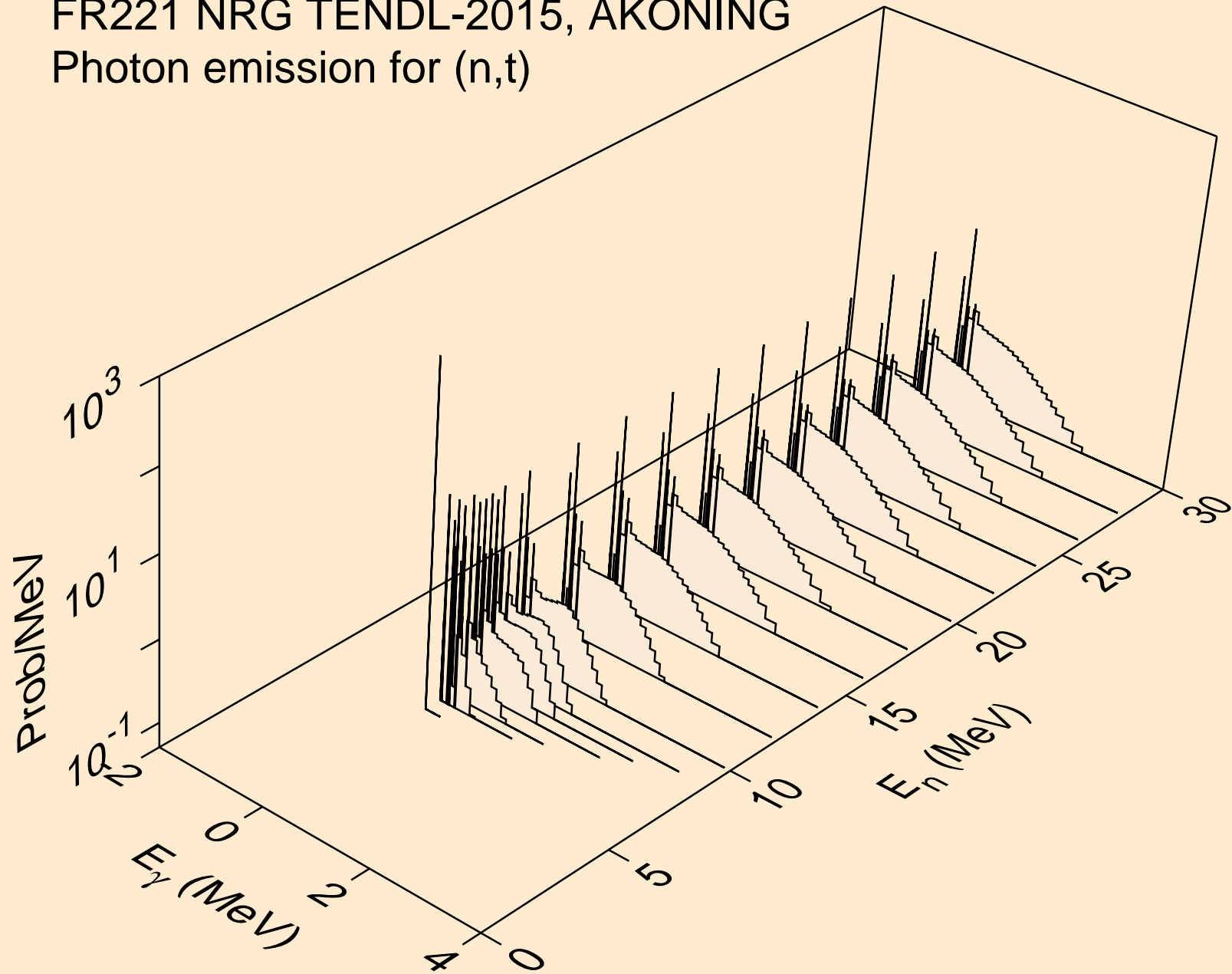
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



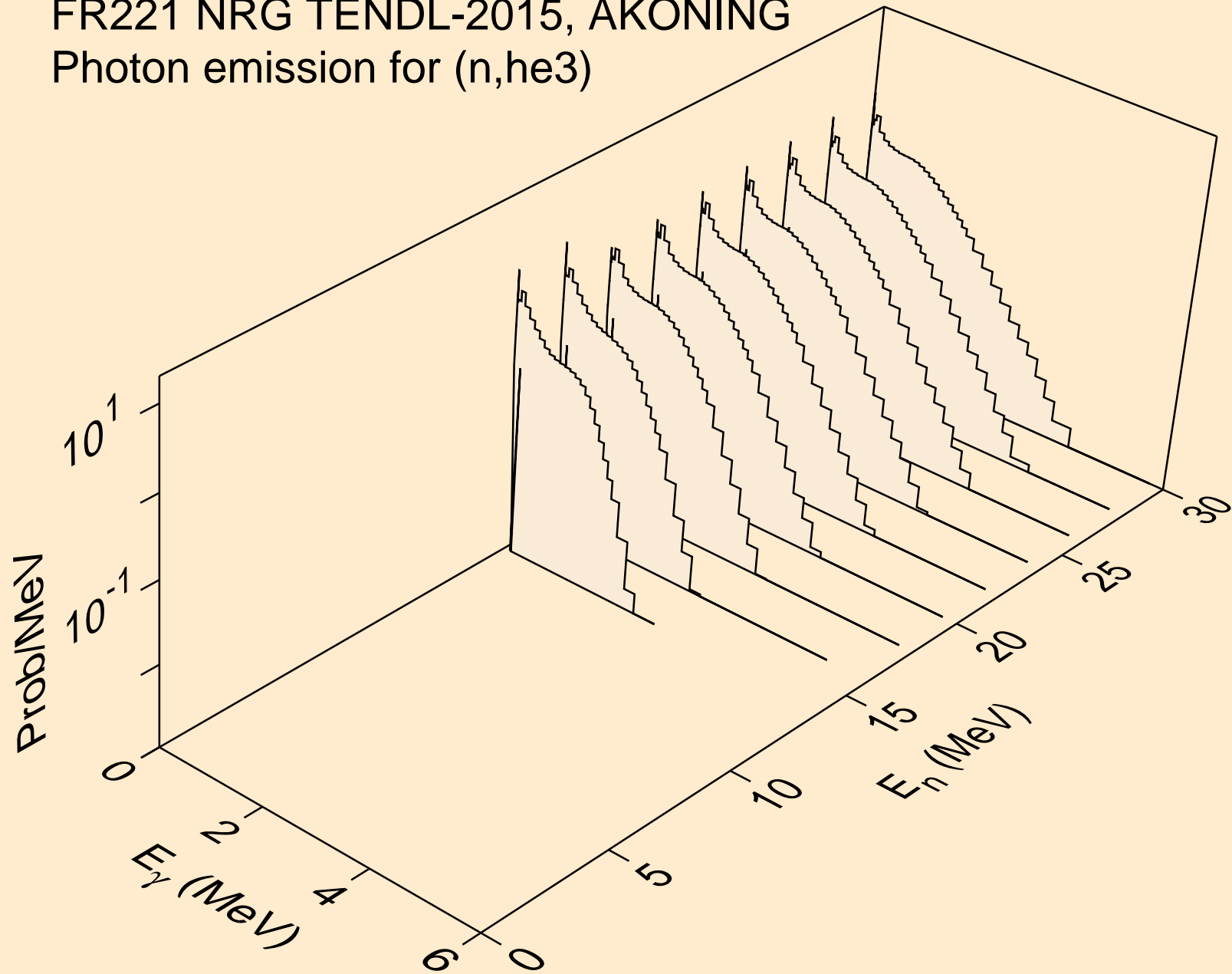
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



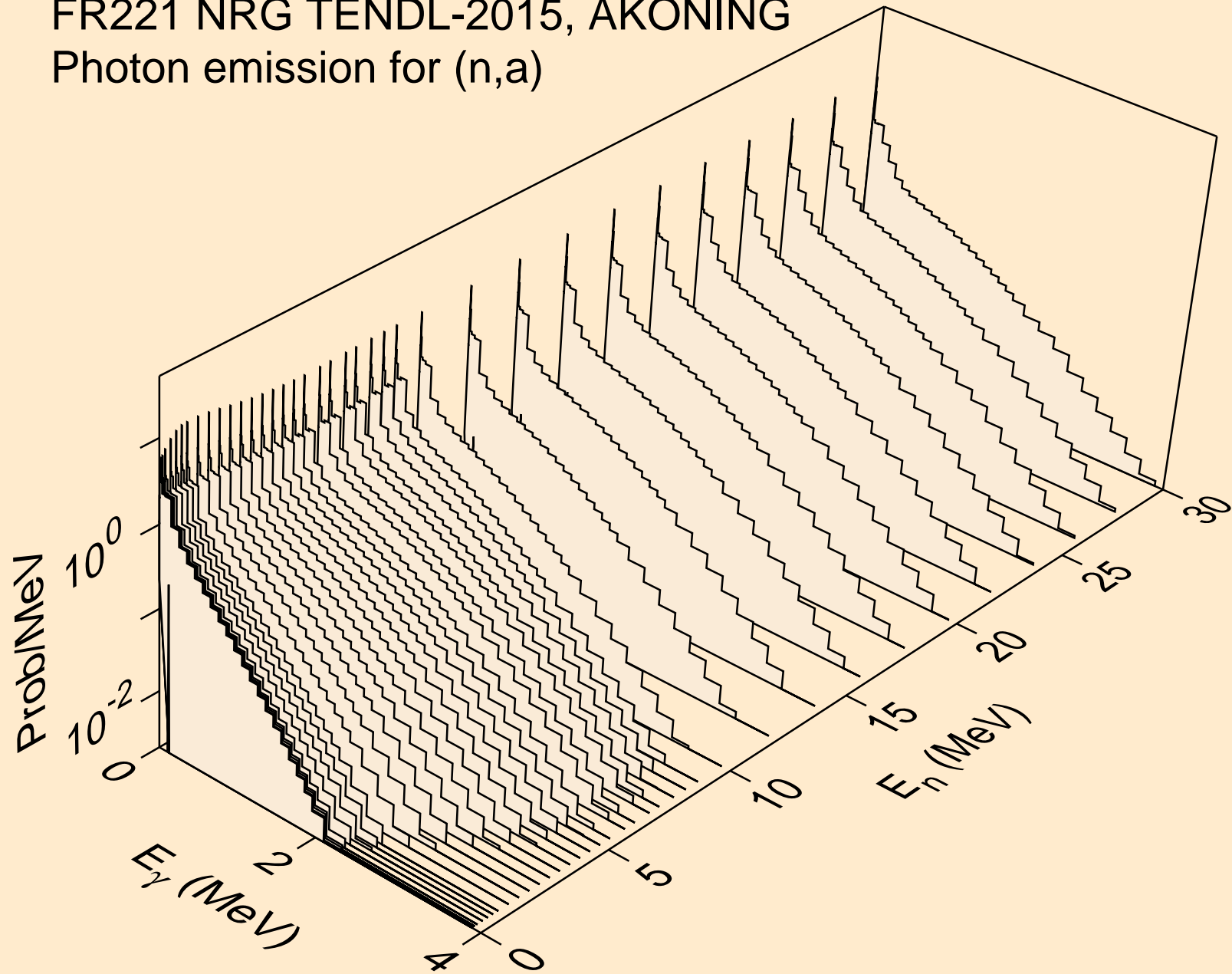
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



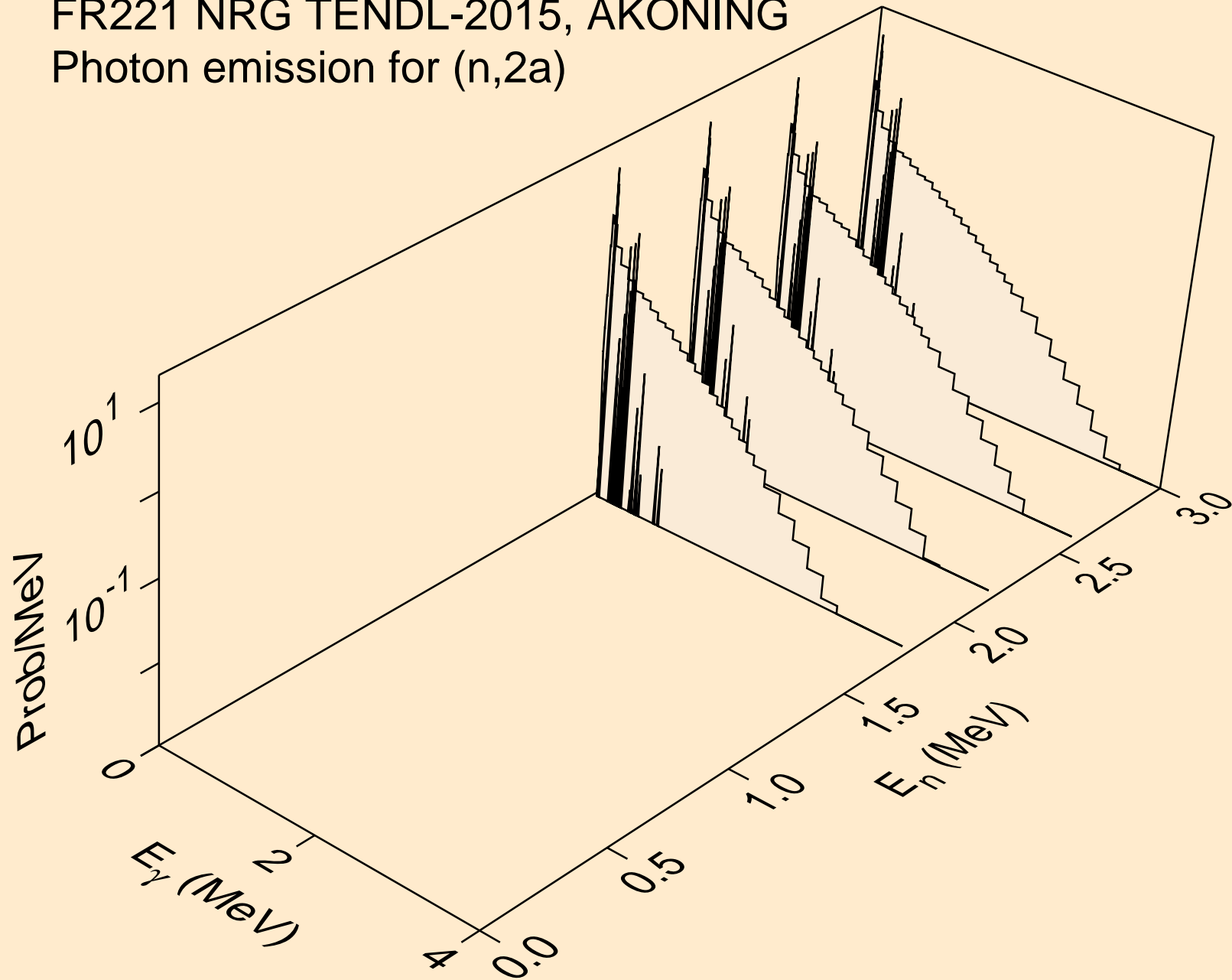
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



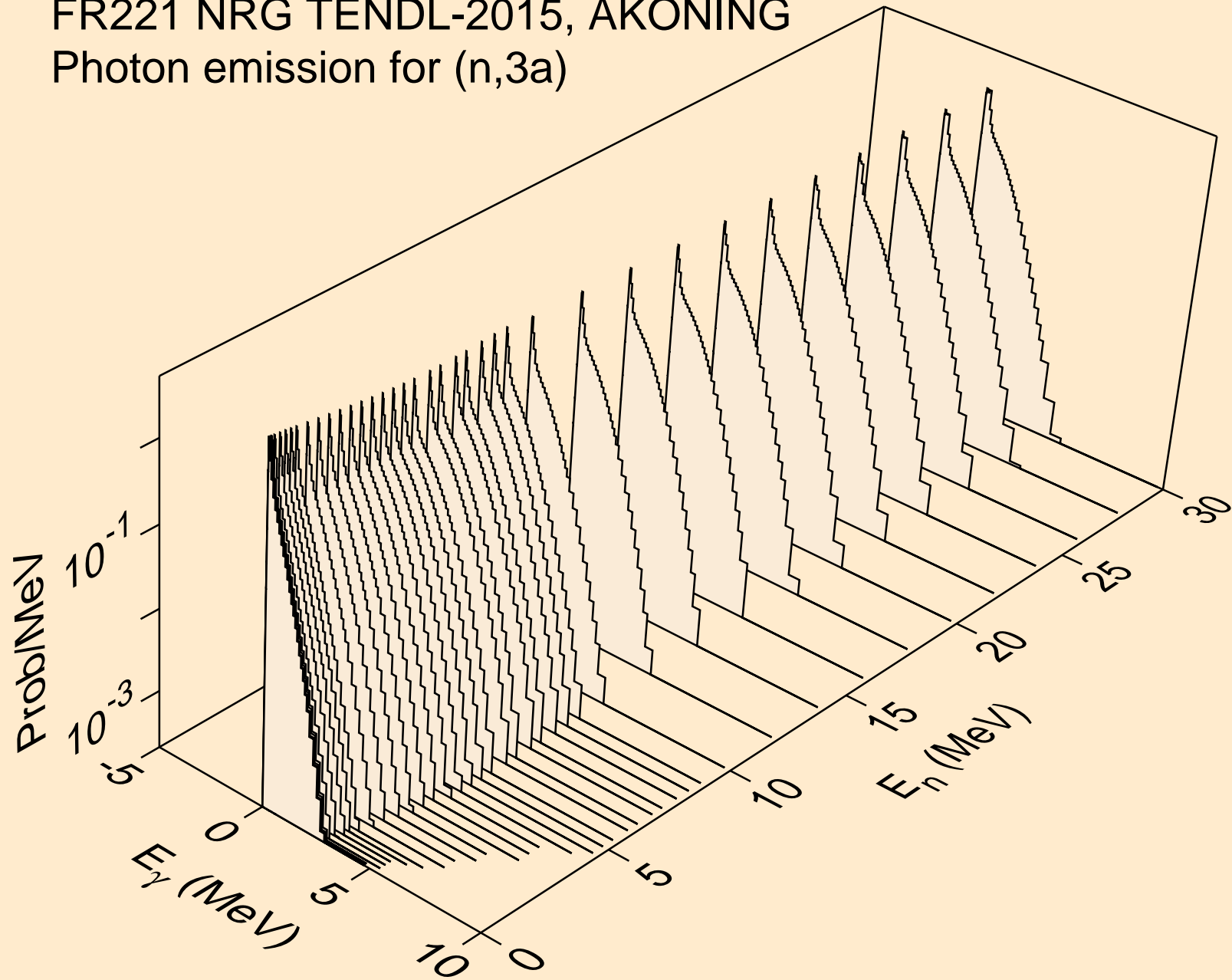
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



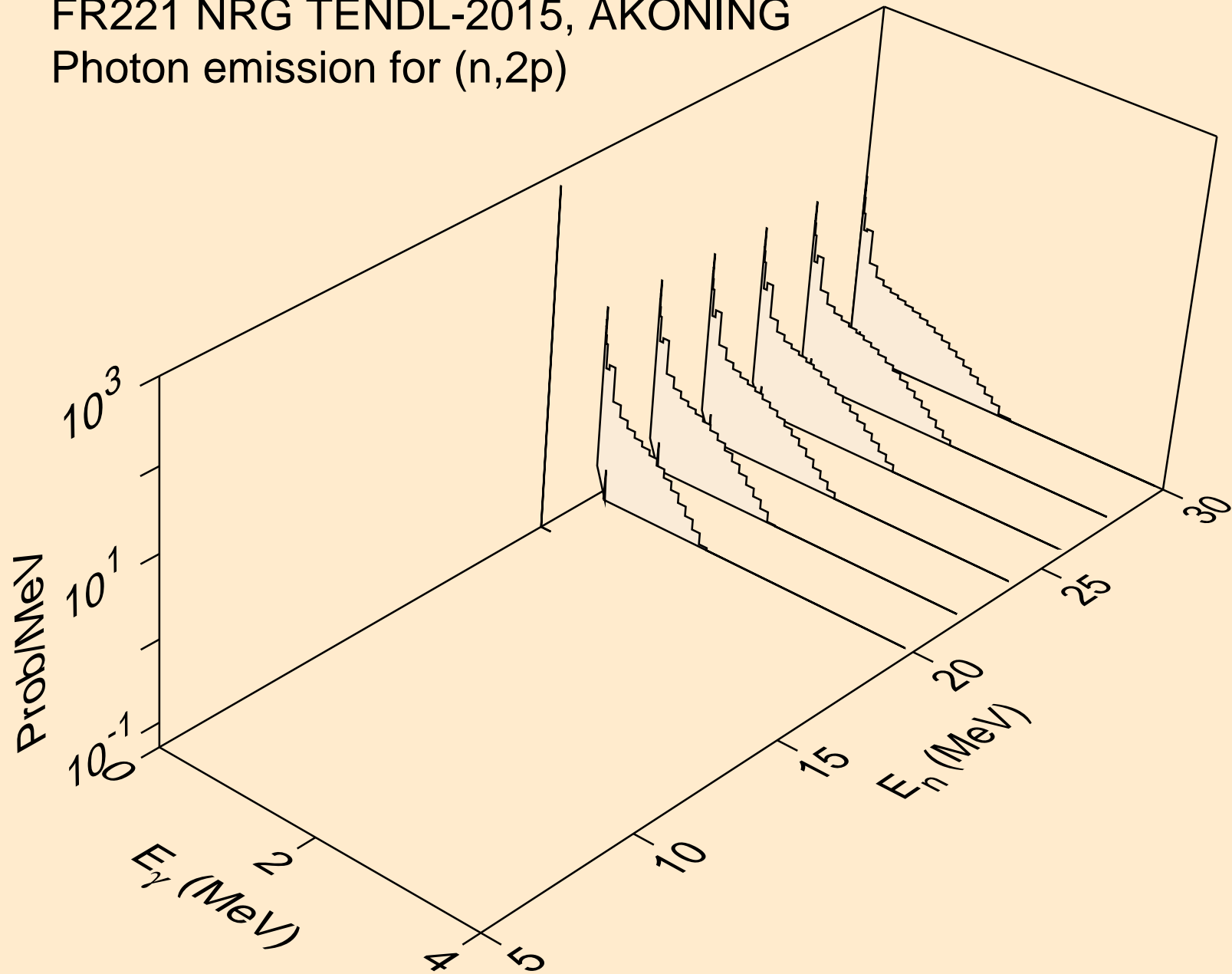
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



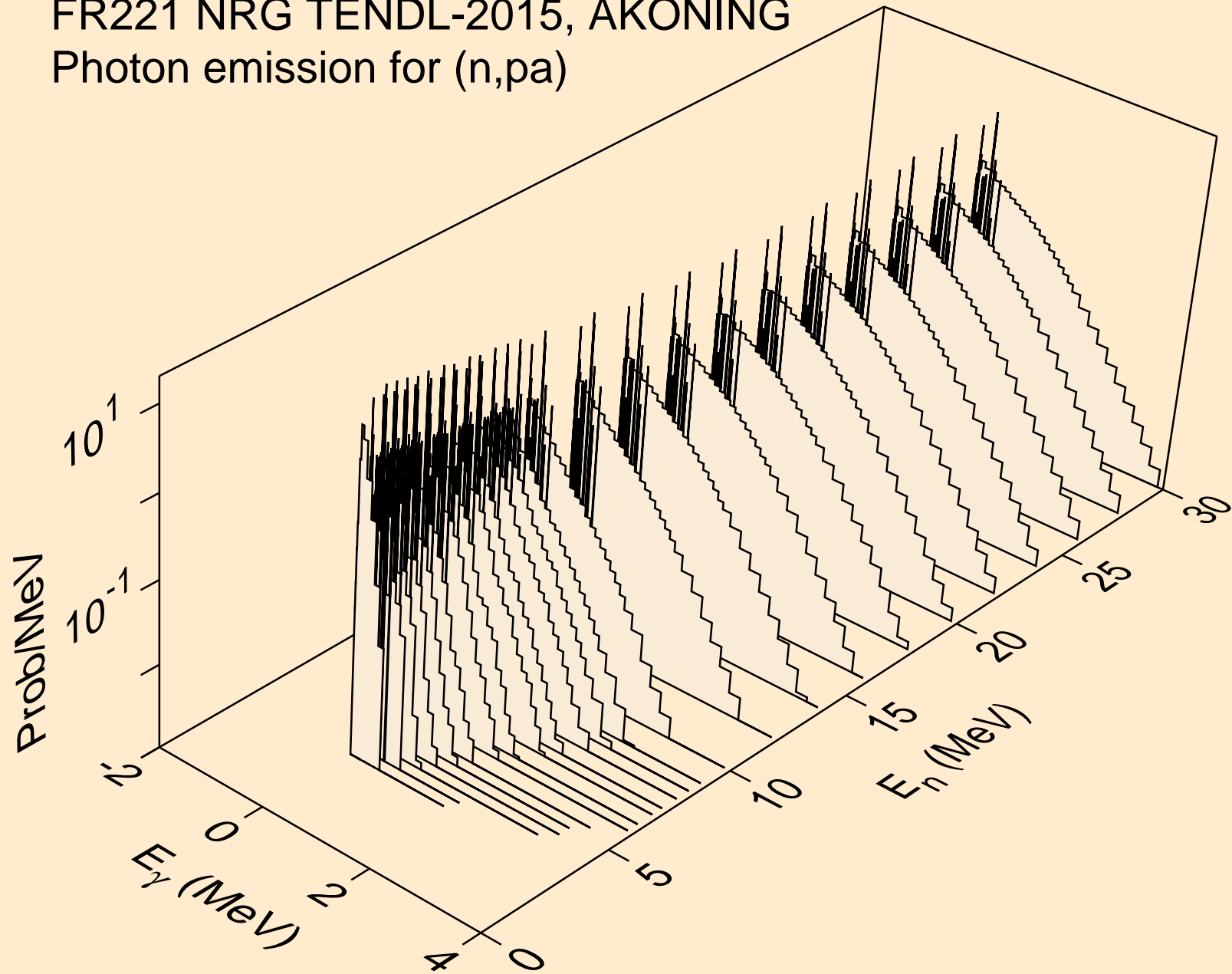
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Photon emission for (n,3a)



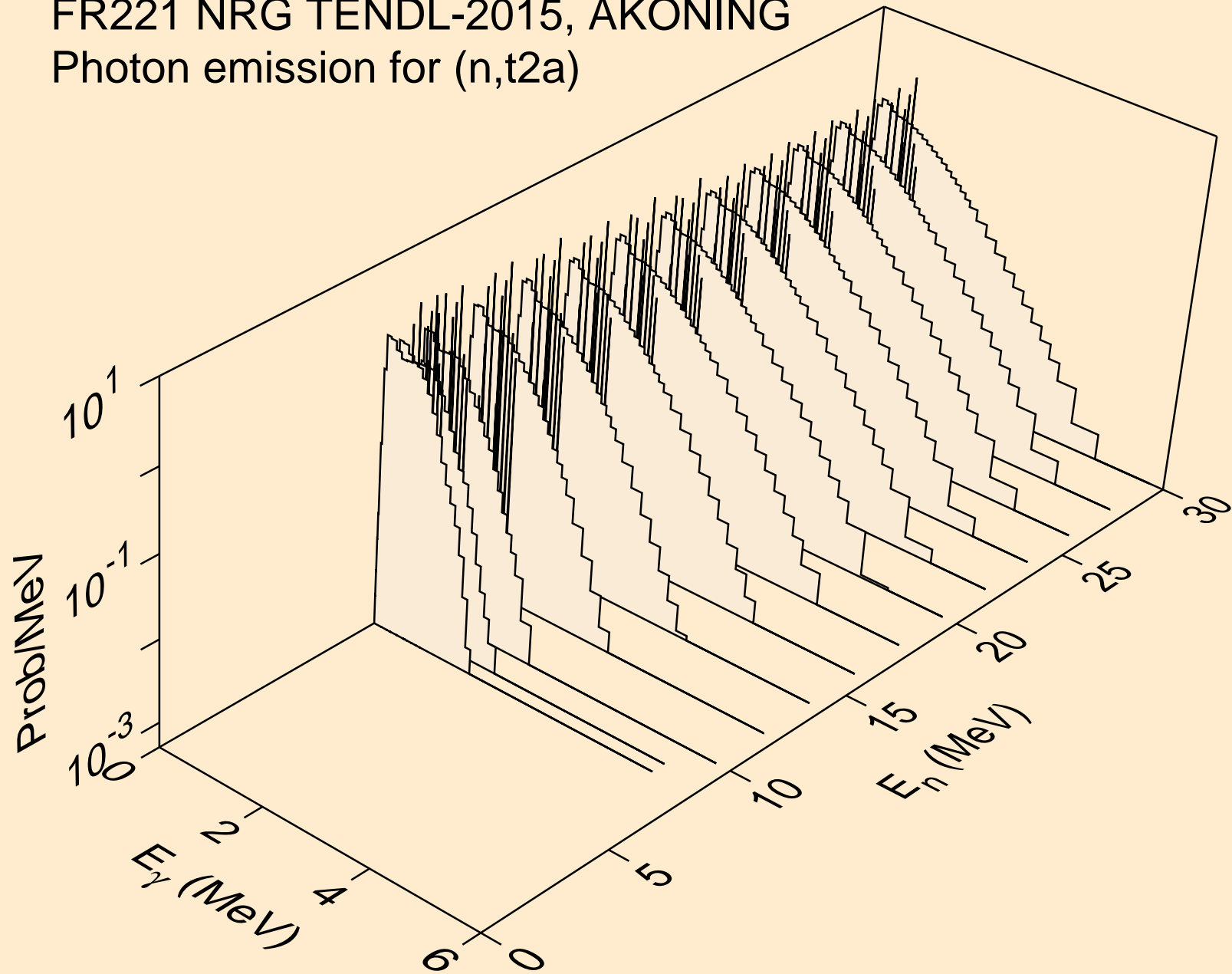
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Photon emission for (n,2p)



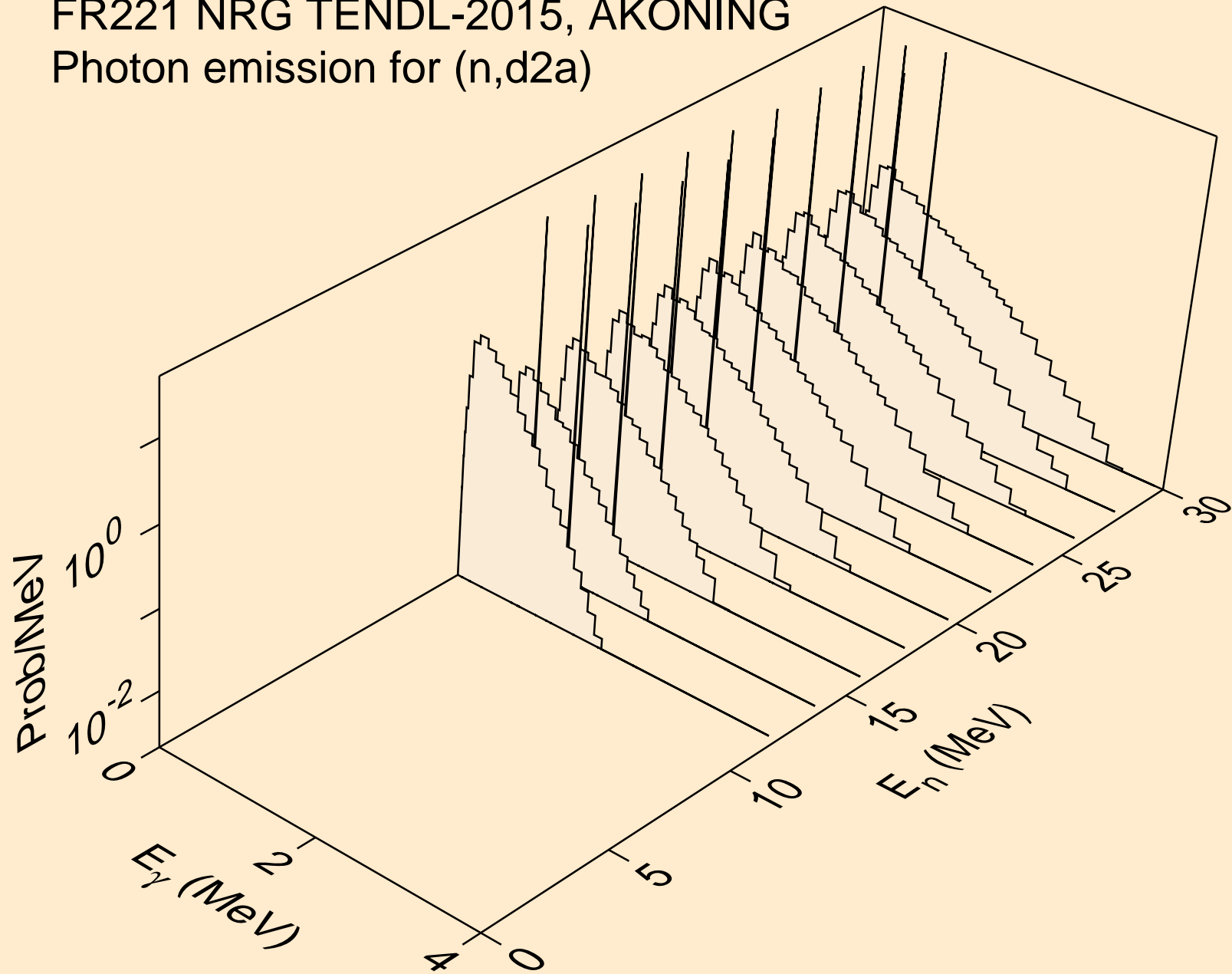
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Photon emission for (n,p $\alpha$ )



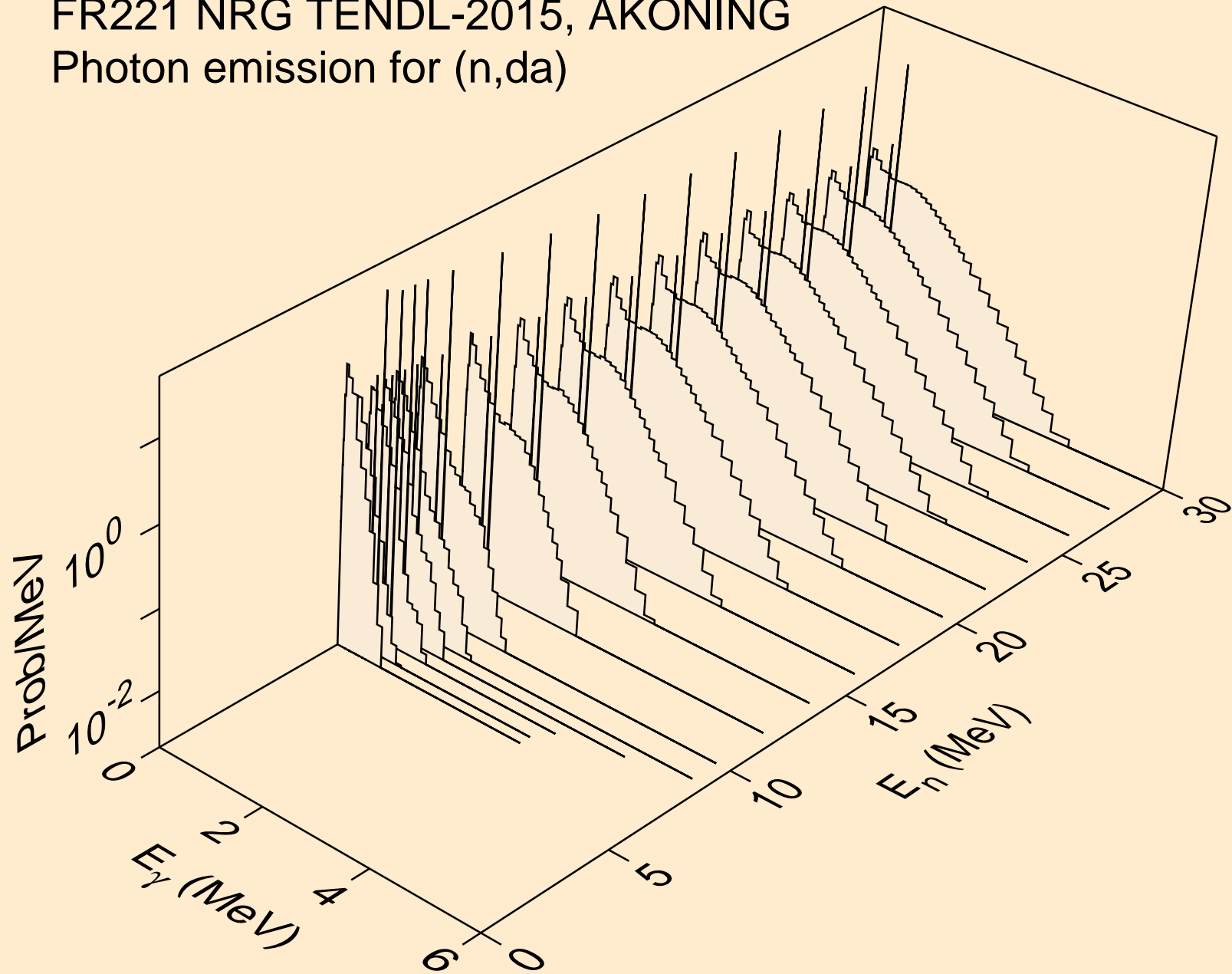
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Photon emission for (n,t2a)



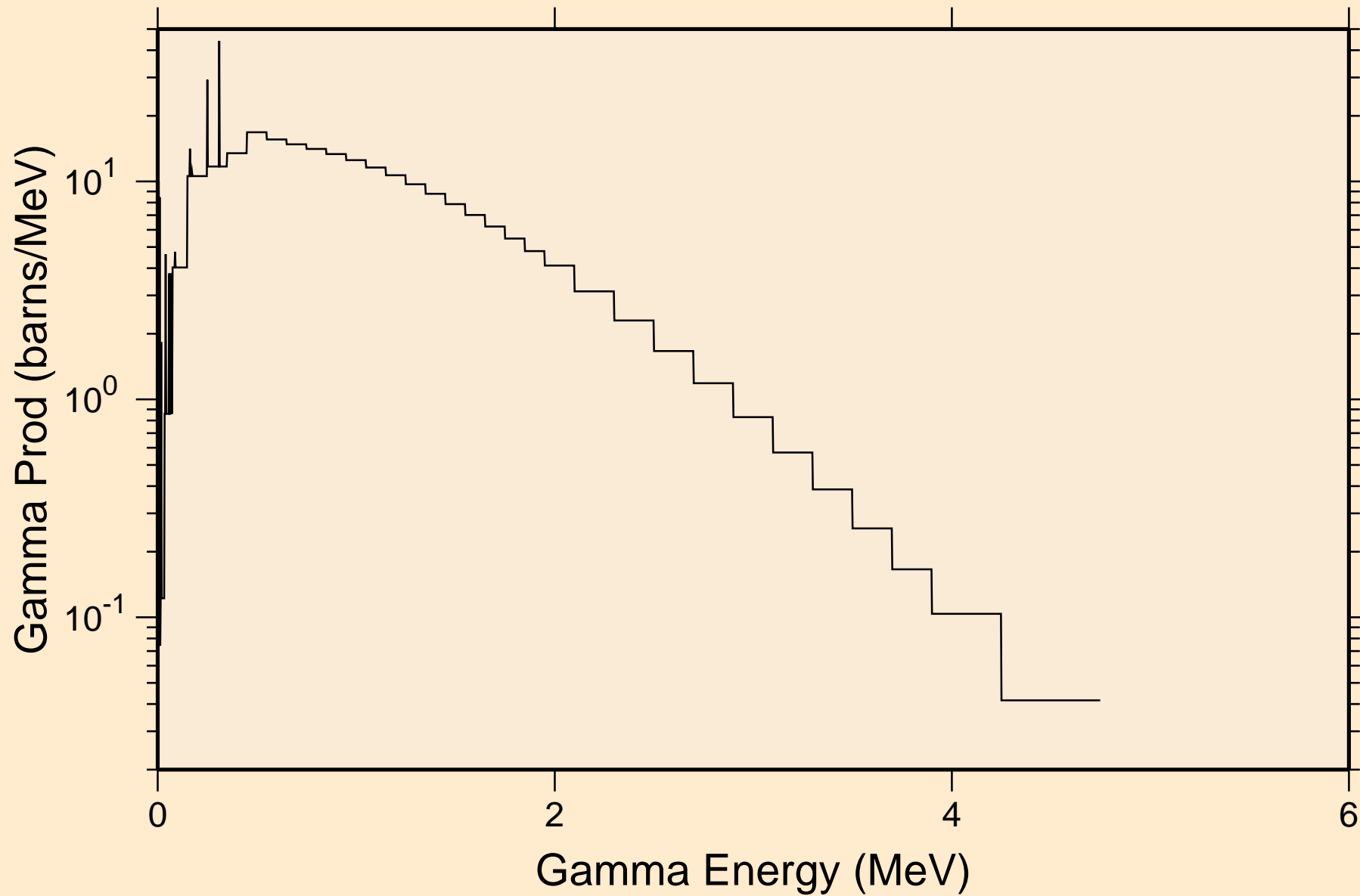
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Photon emission for (n,d2a)



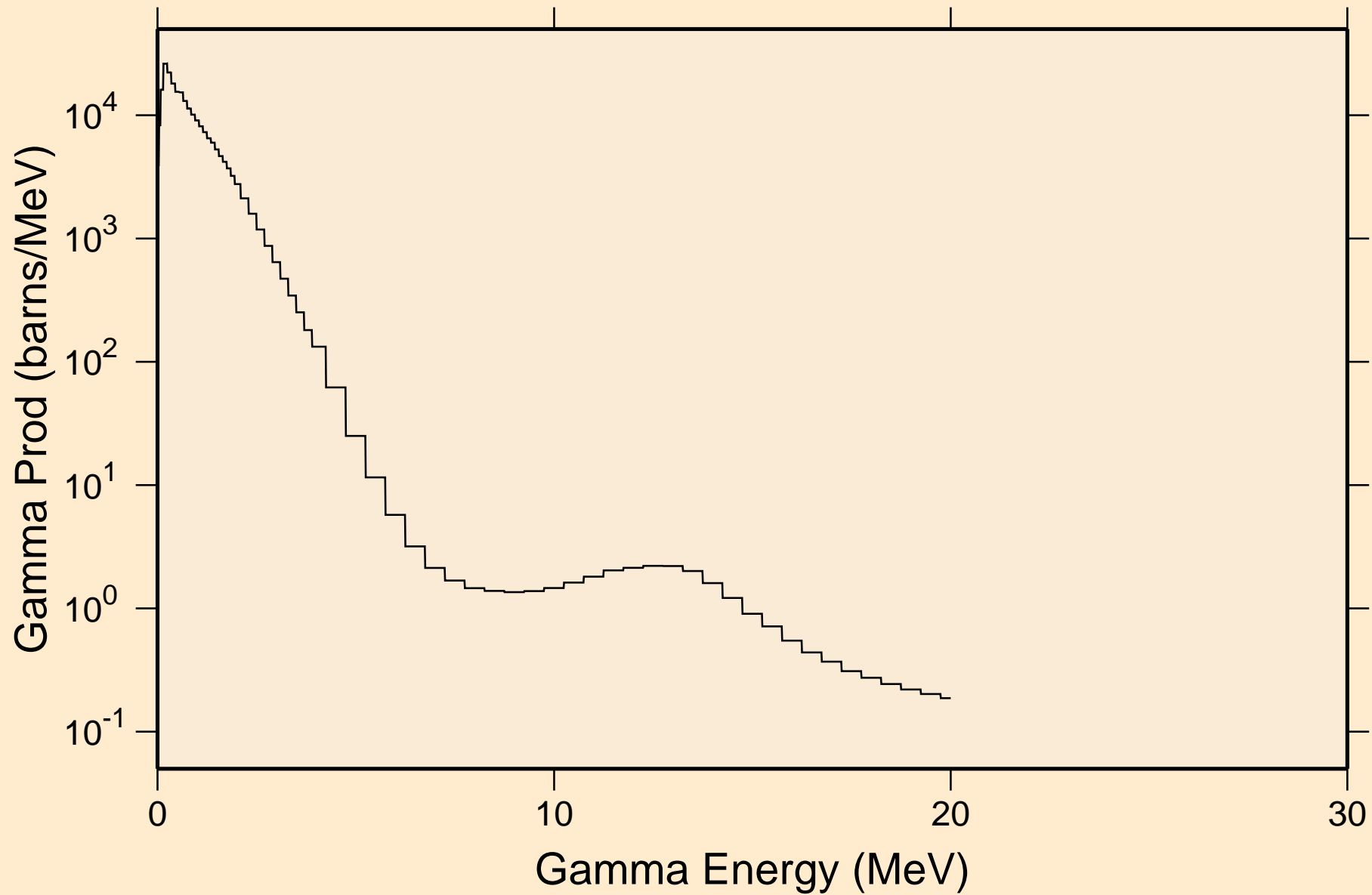
FR221 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



FR221 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

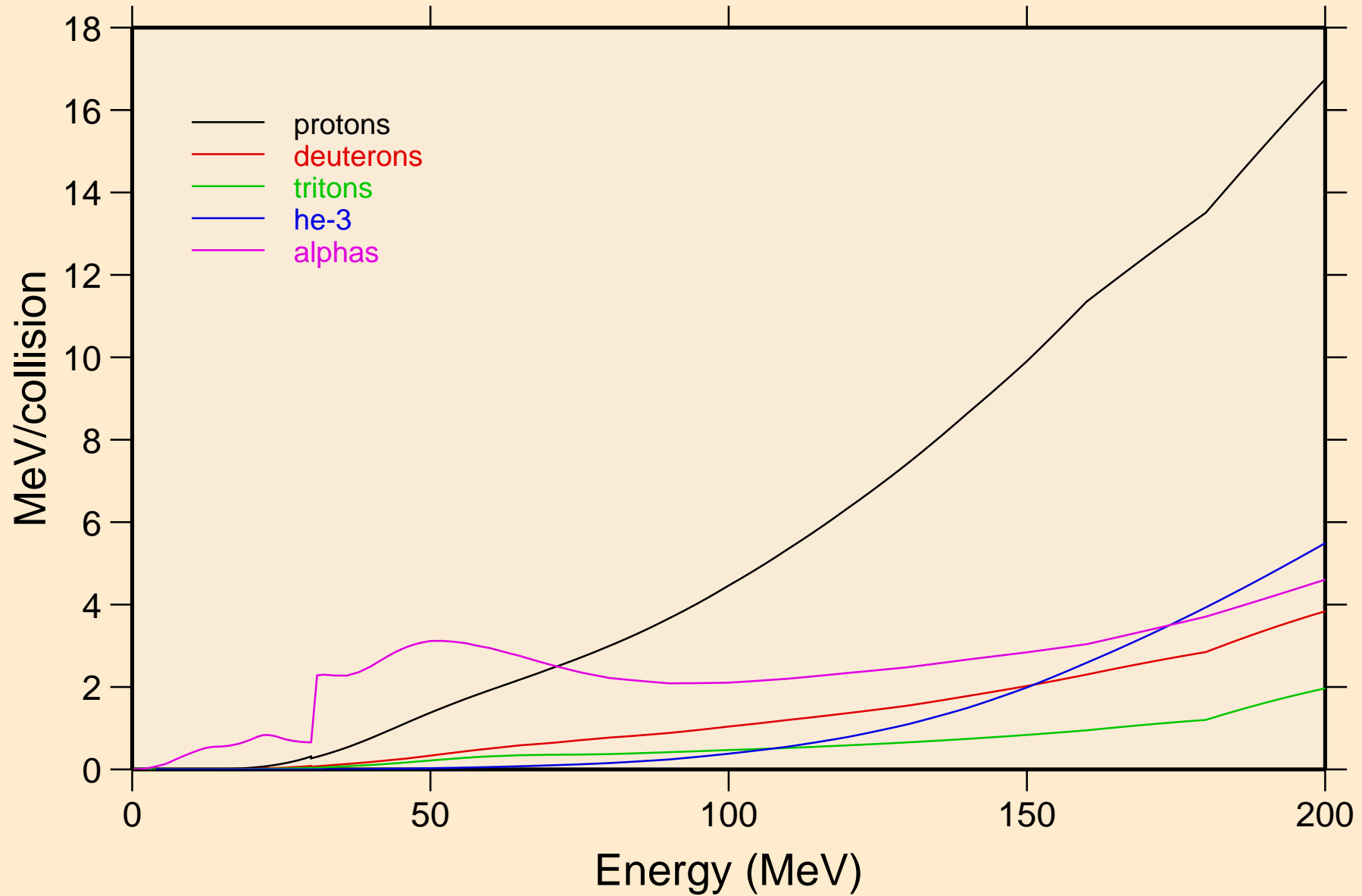


FR221 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



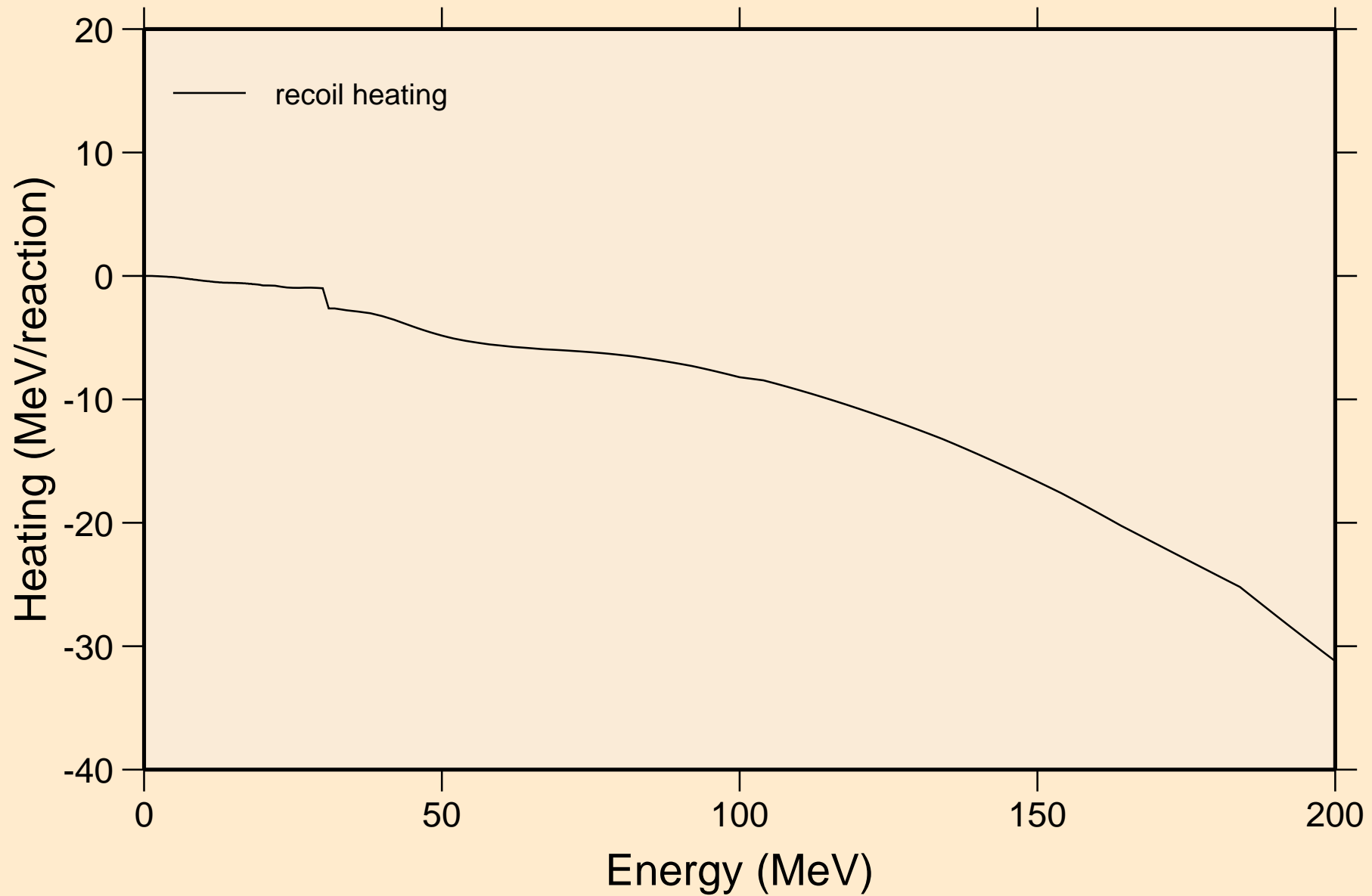
# FR221 NRG TENDL-2015, AKONING

## Particle heating contributions



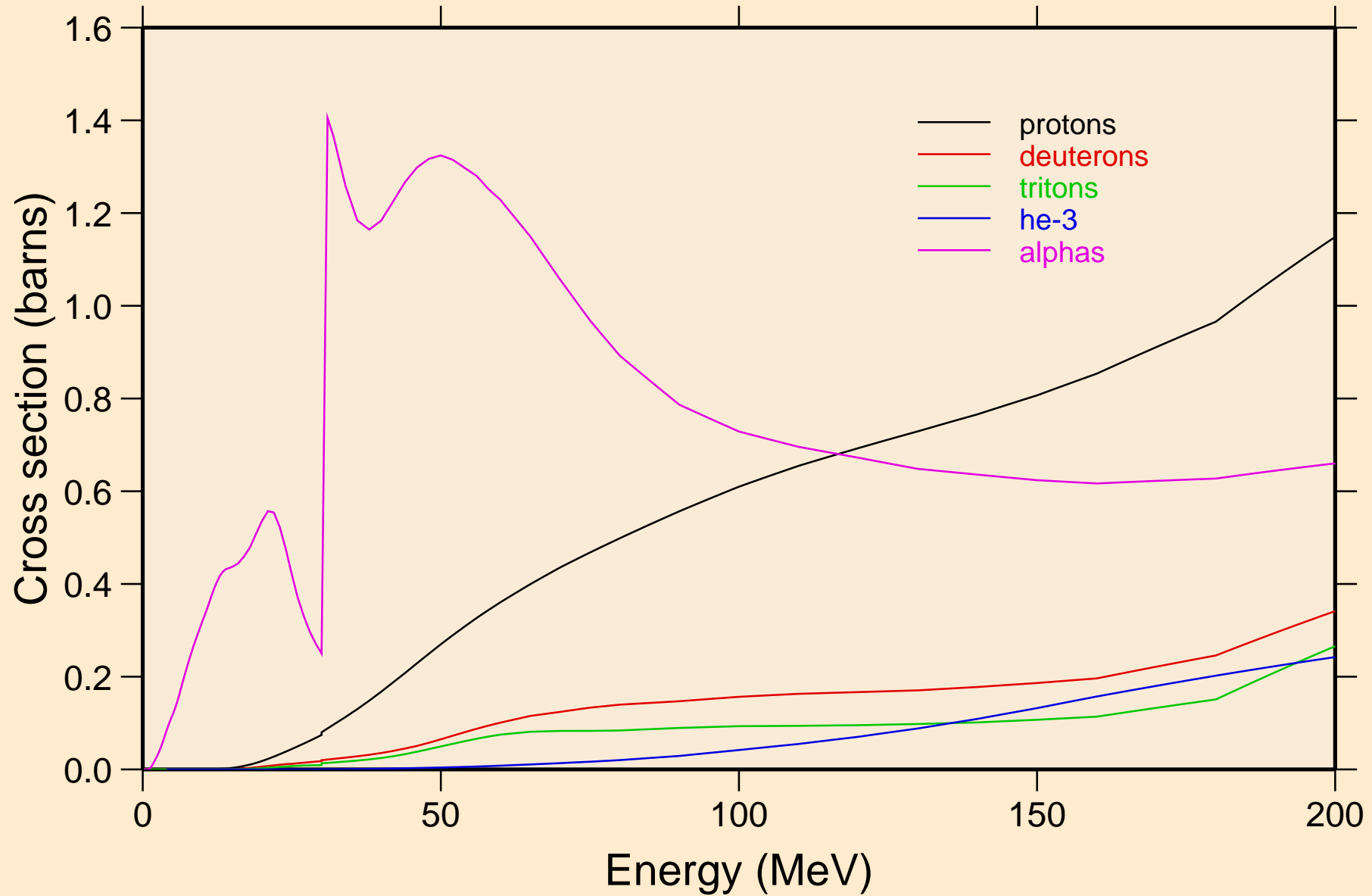
# FR221 NRG TENDL-2015, AKONING

## Recoil Heating

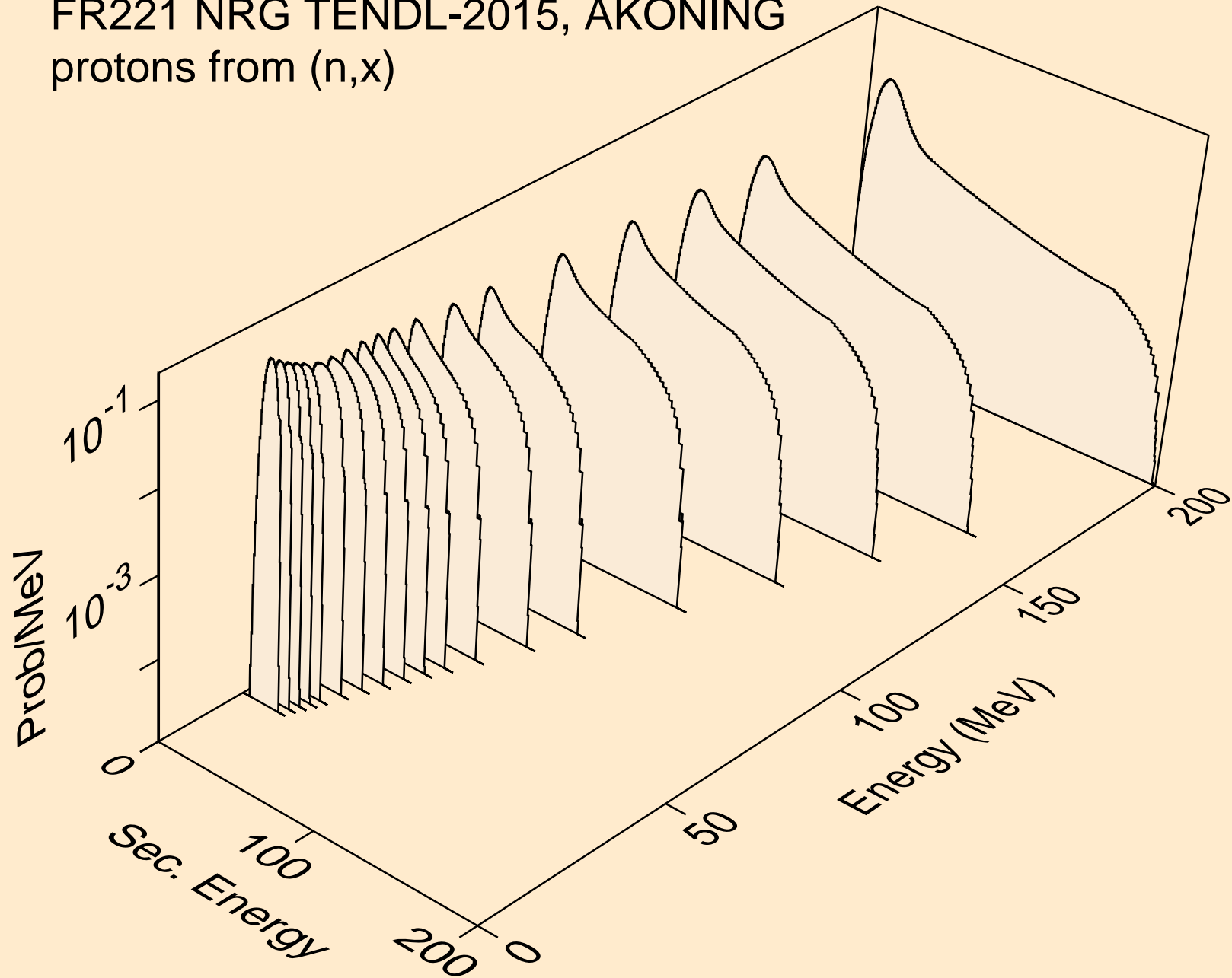


# FR221 NRG TENDL-2015, AKONING

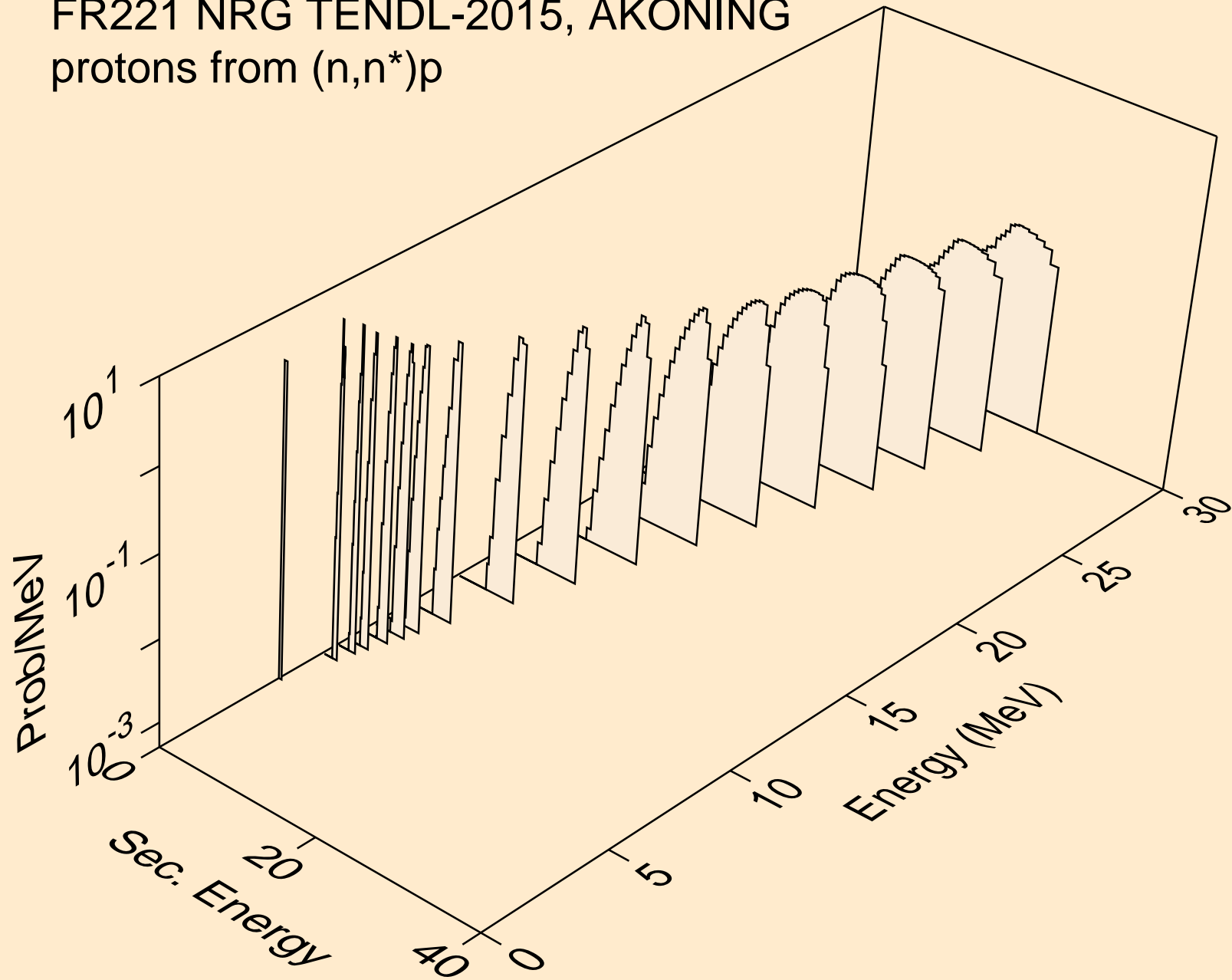
## Particle production cross sections



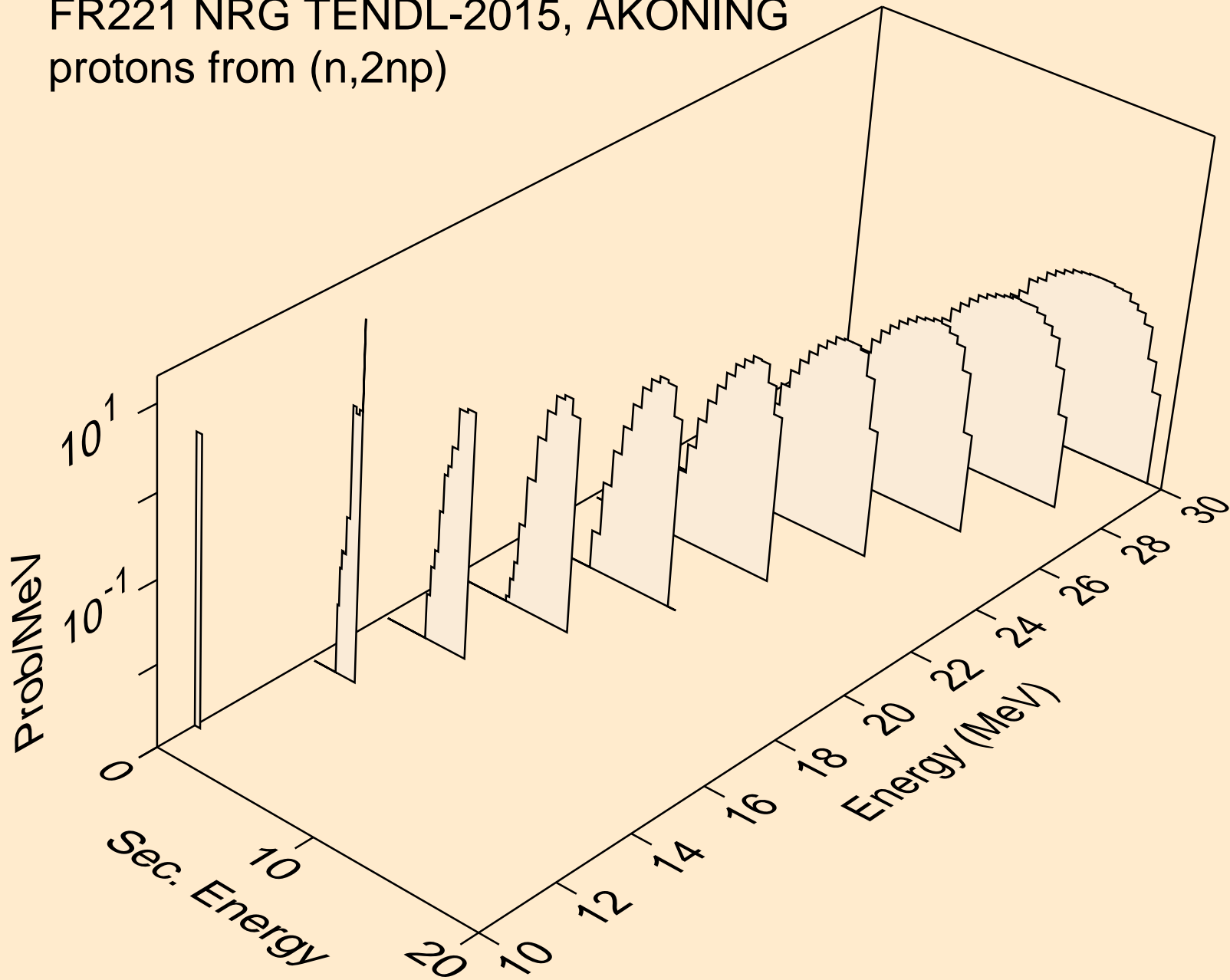
FR221 NRG TENDL-2015, AKONING  
protons from (n,x)



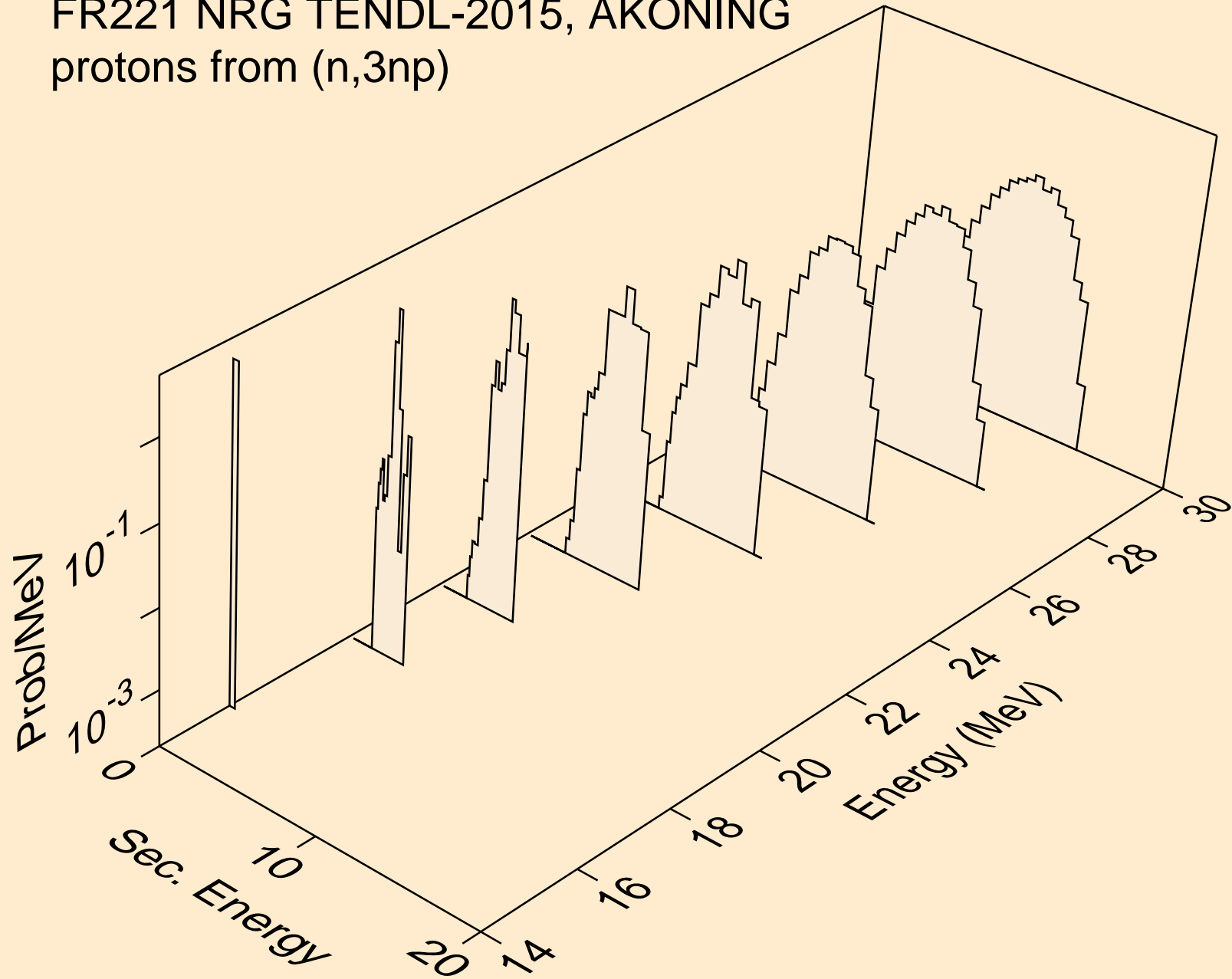
FR221 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



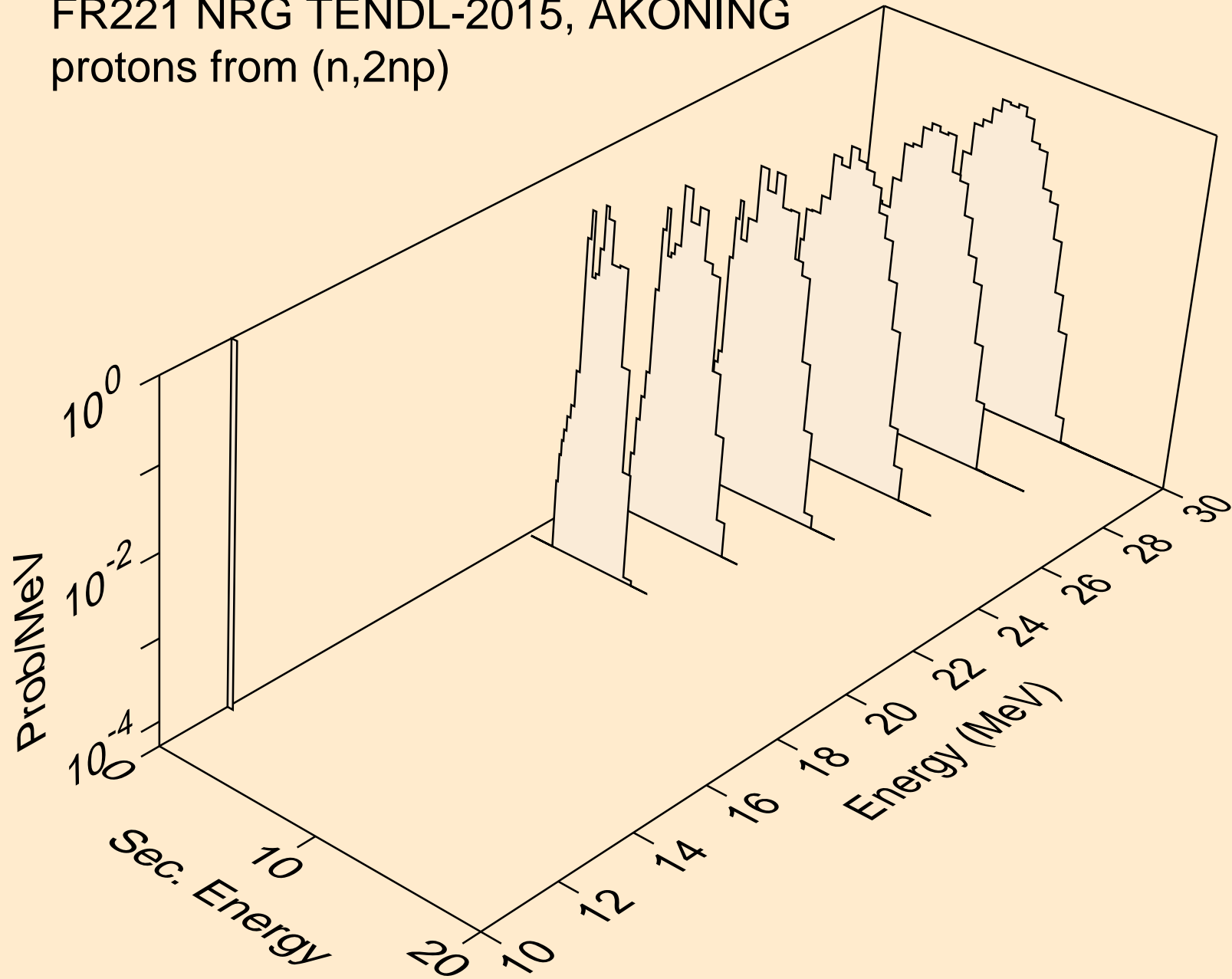
FR221 NRG TENDL-2015, AKONING  
protons from (n,2np)



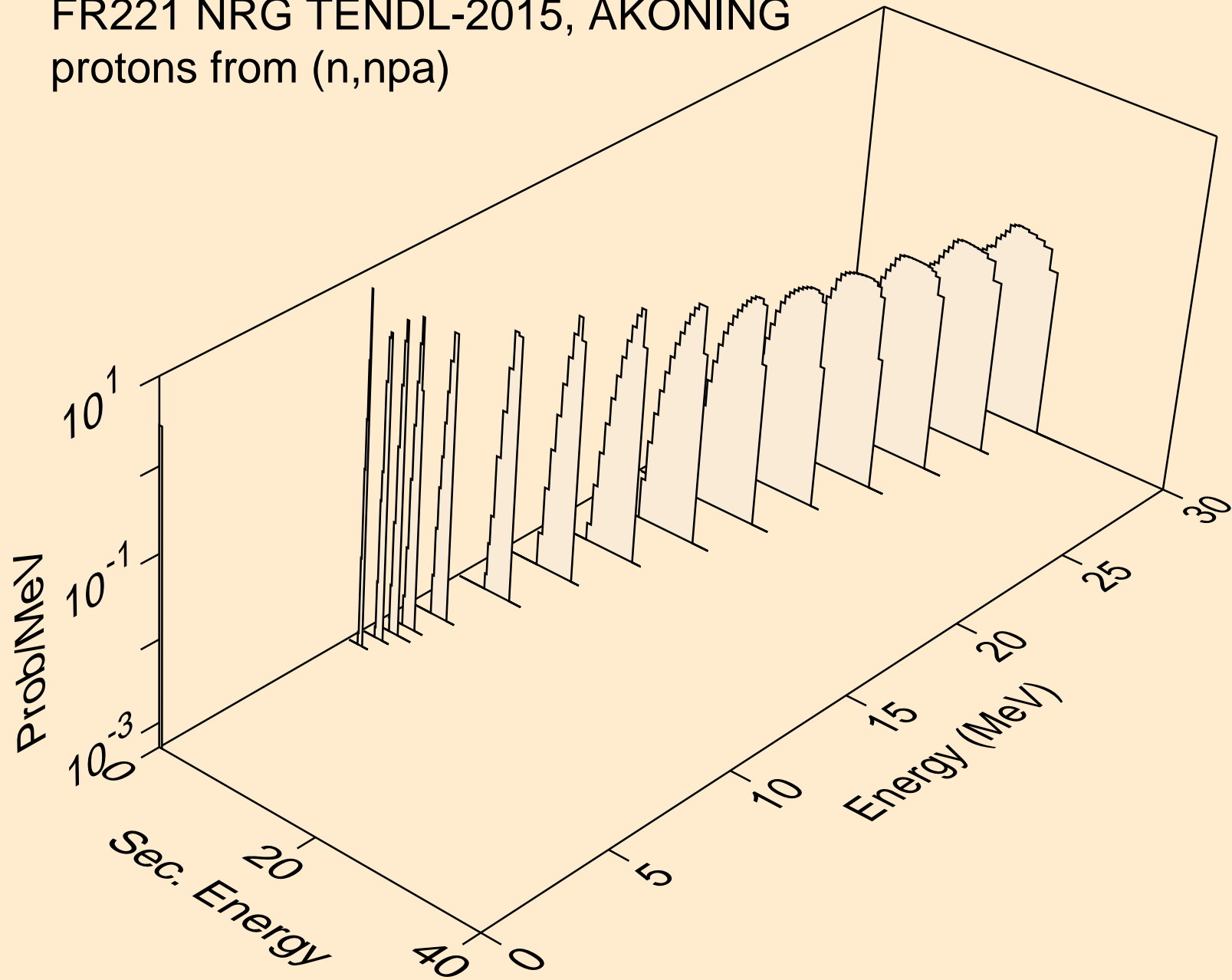
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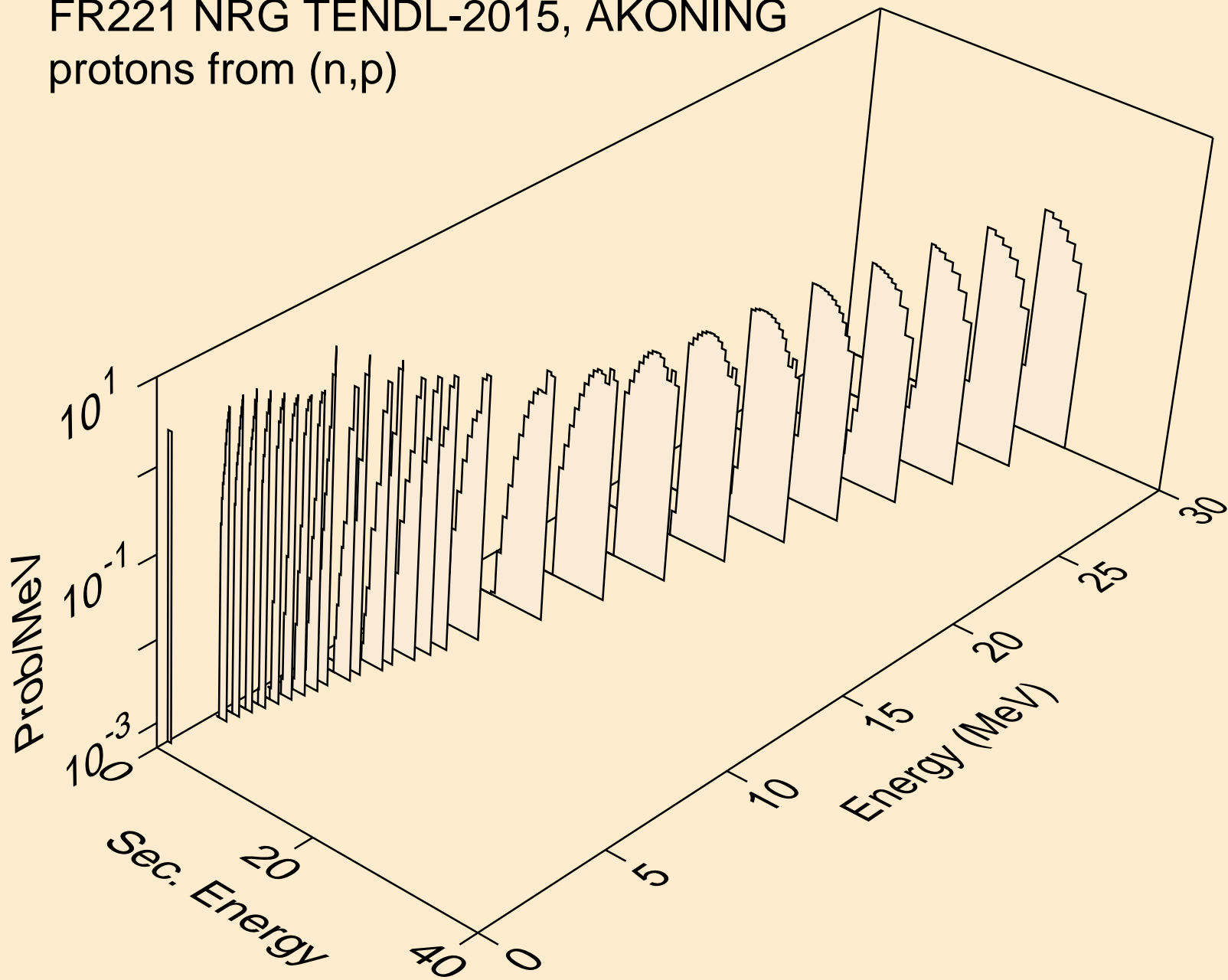
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protons from (n,2np)



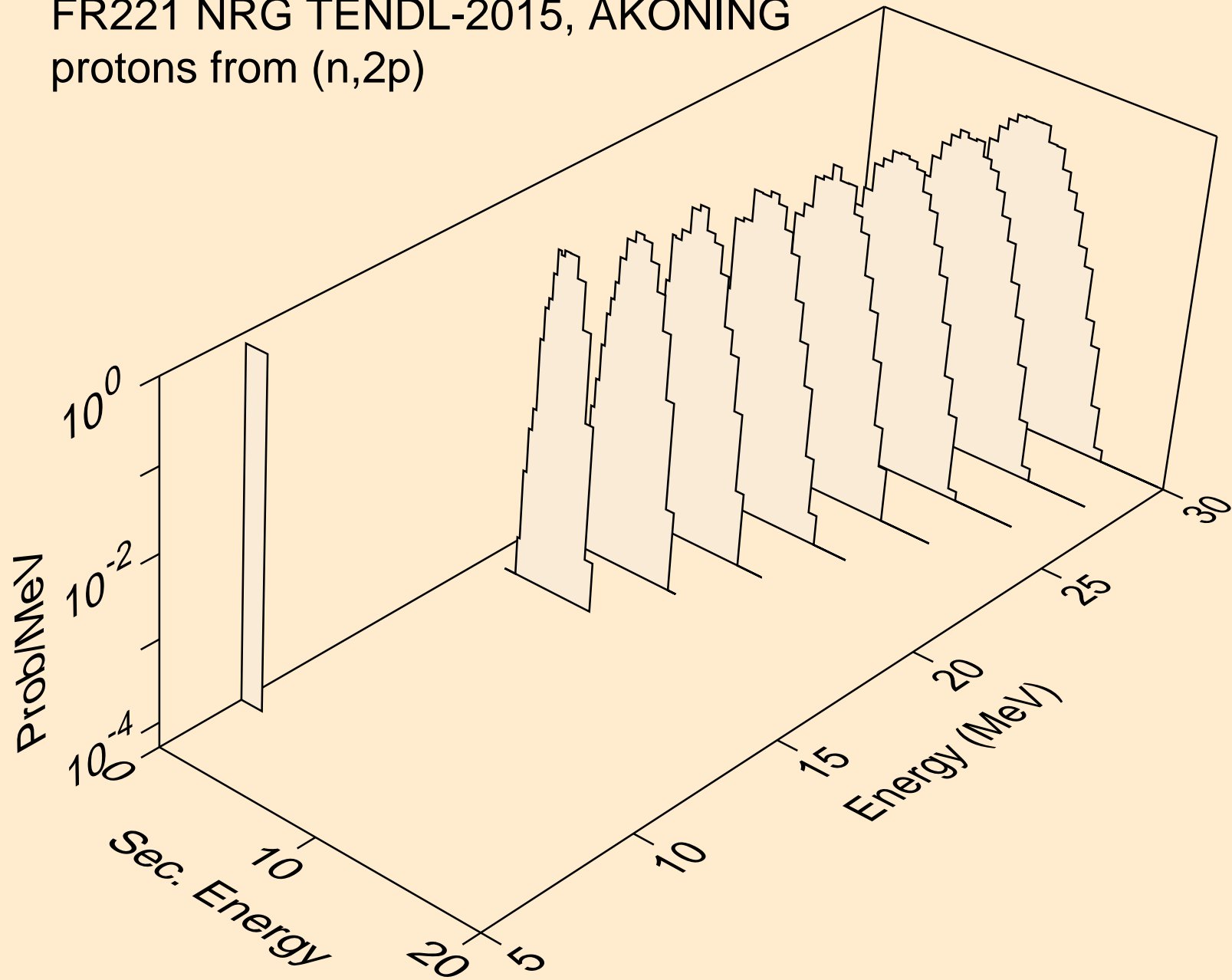
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protons from (n,npa)



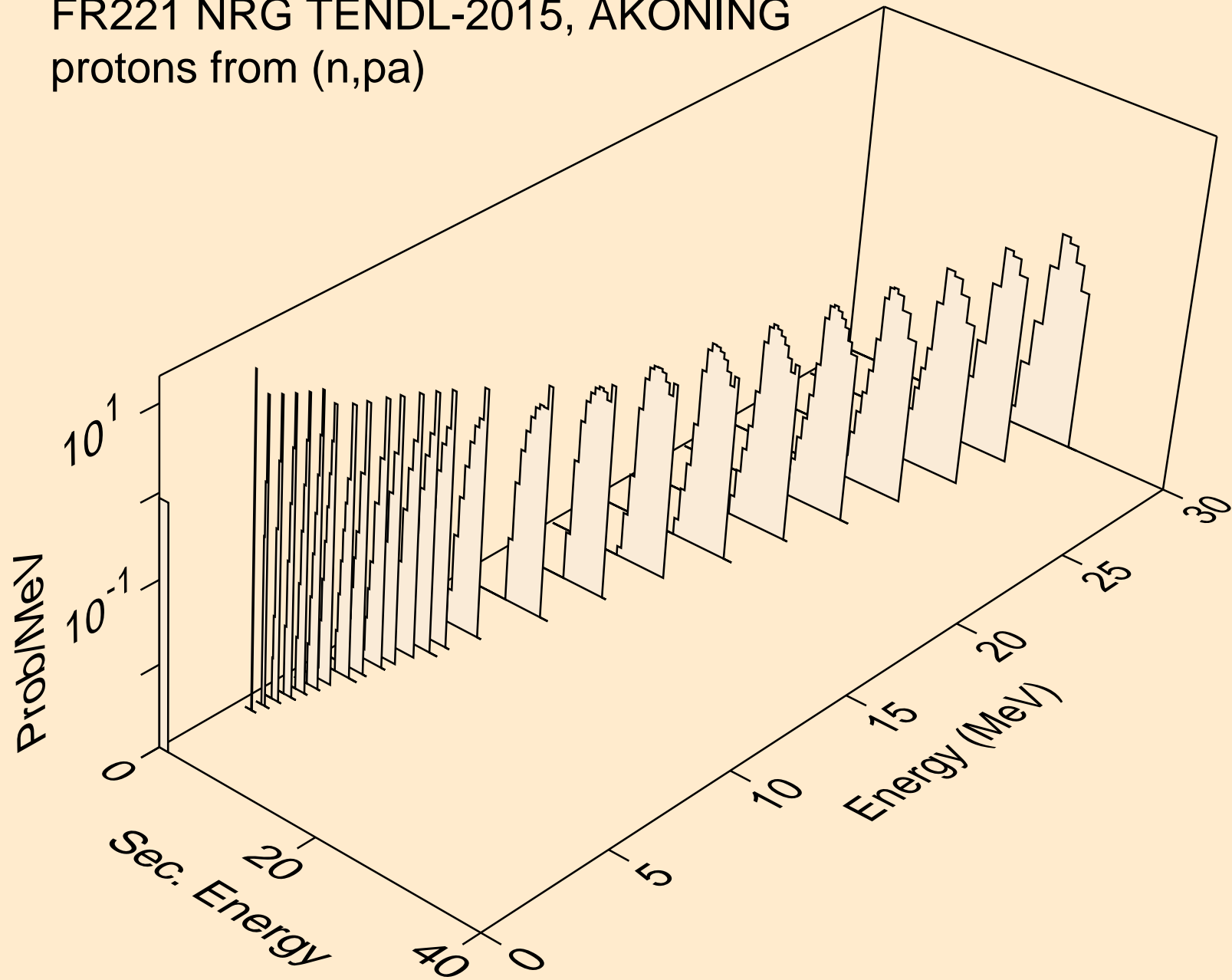
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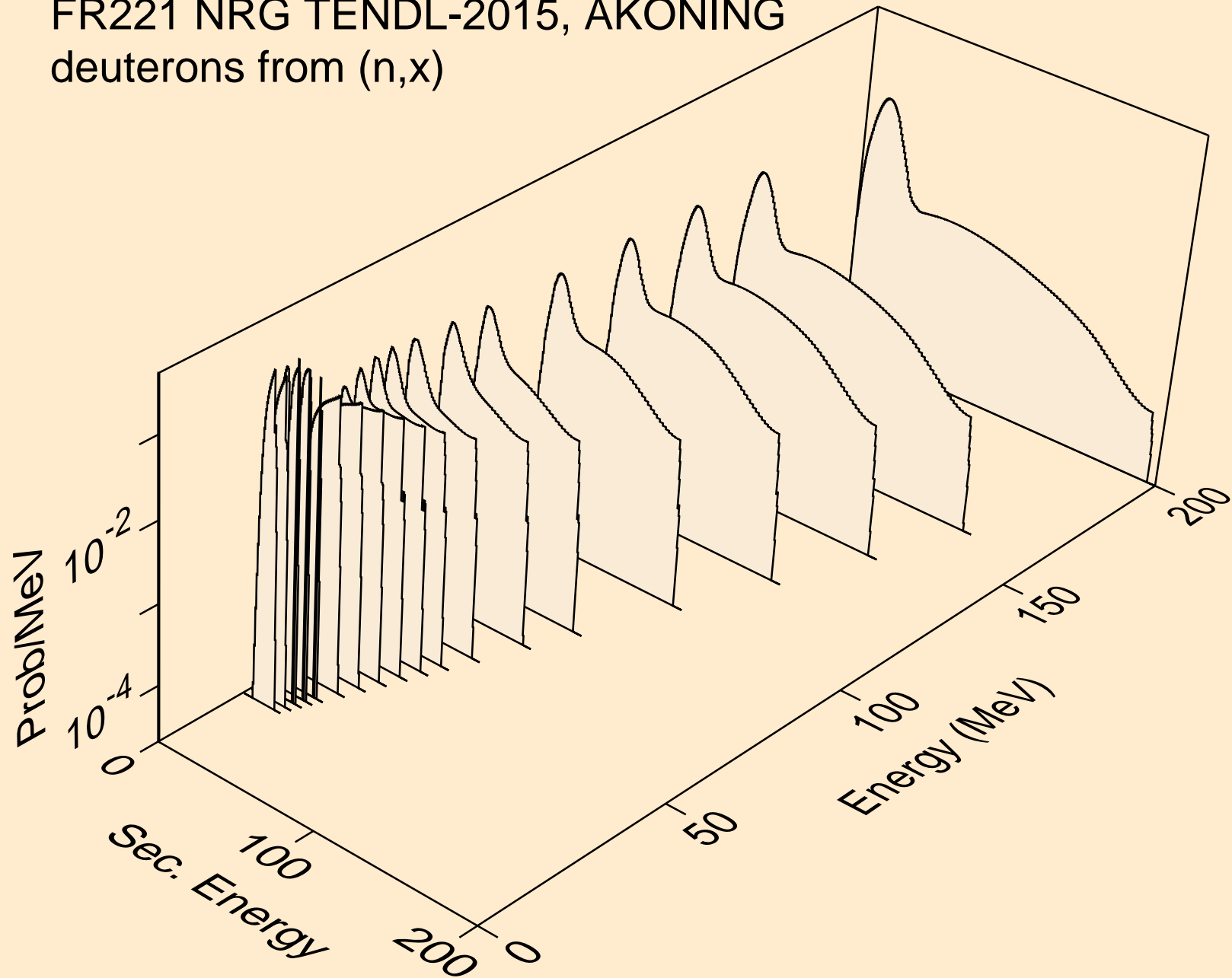
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protons from (n,2p)



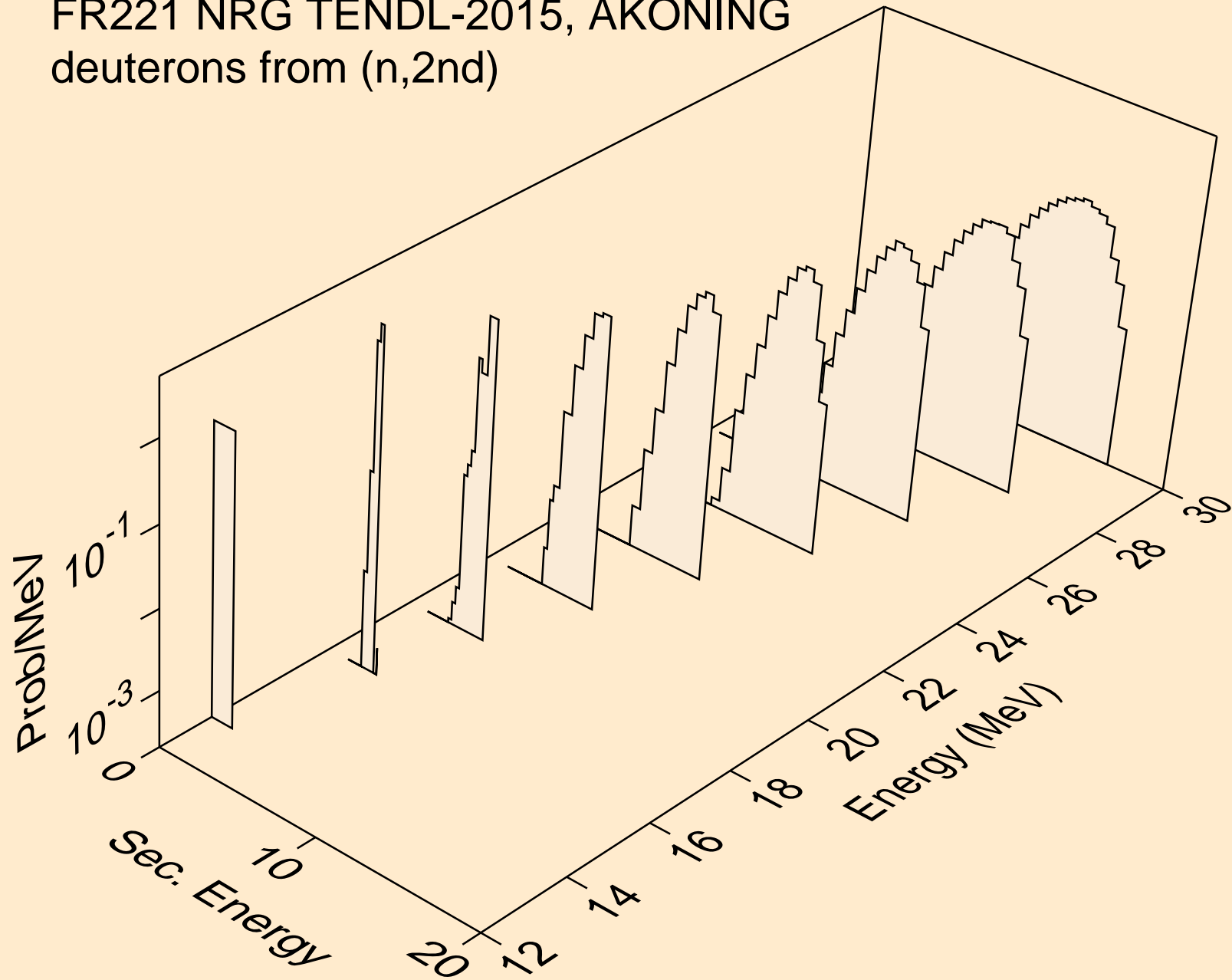
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protons from (n,pa)



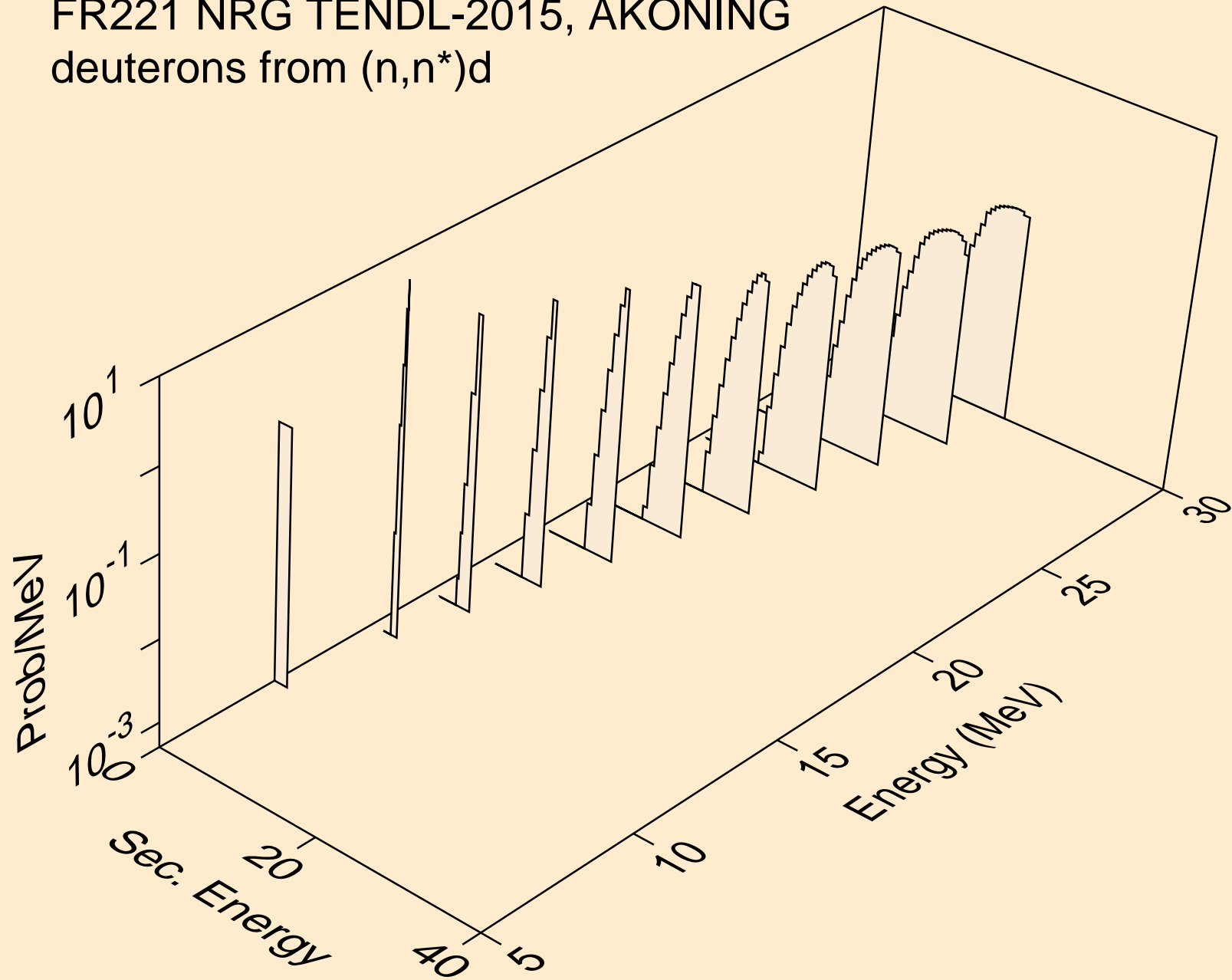
FR221 NRG TENDL-2015, AKONING  
deuterons from (n,x)



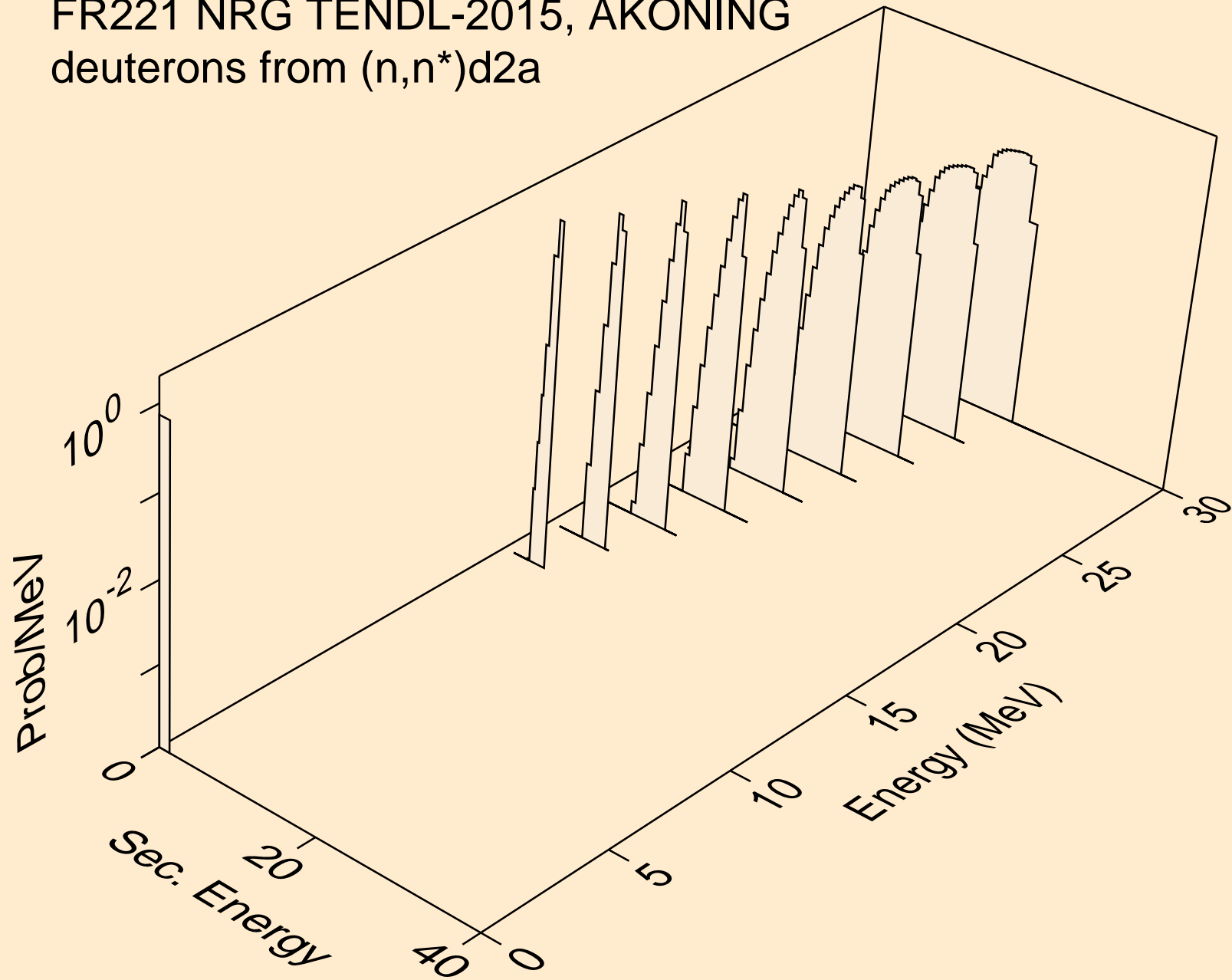
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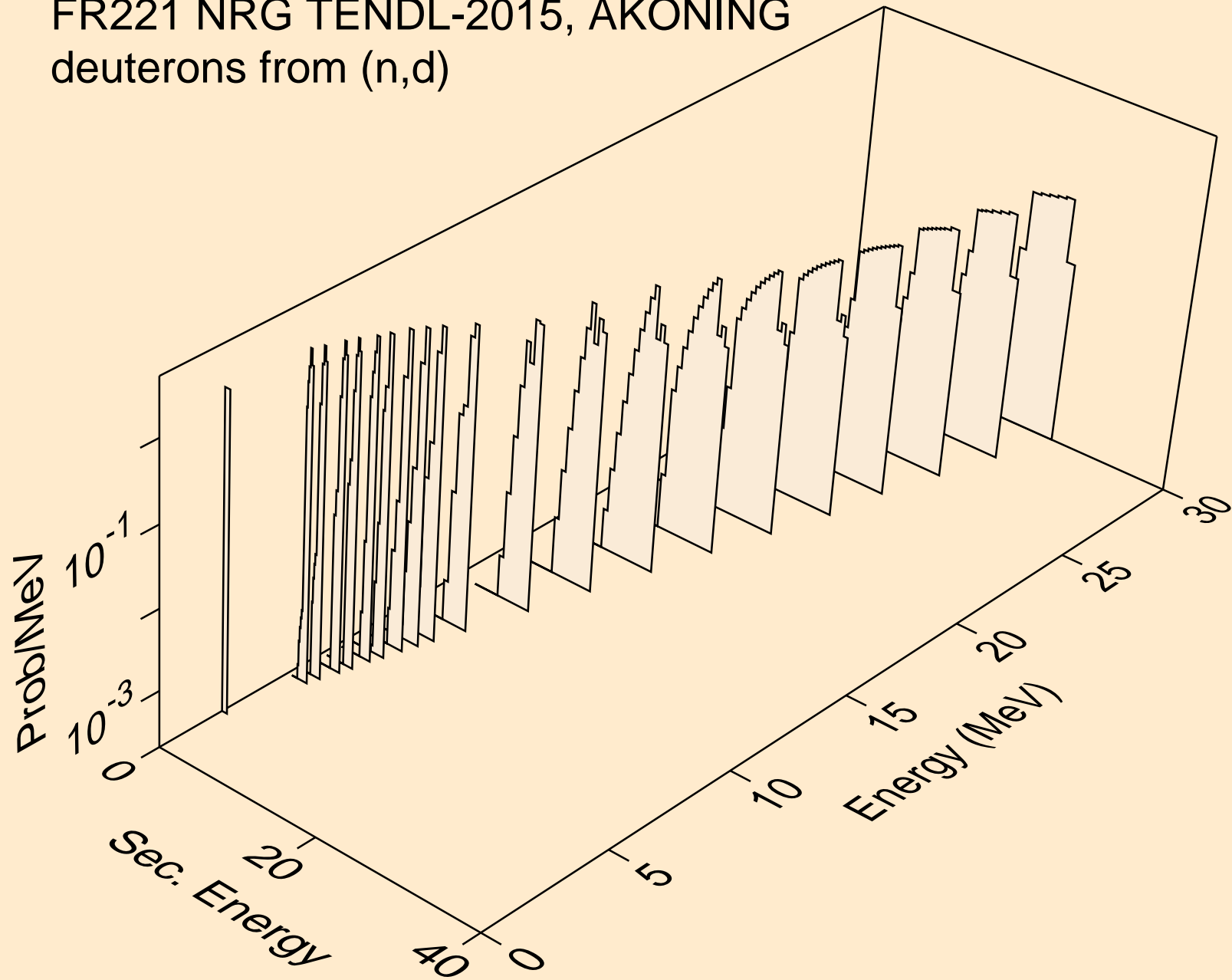
FR221 NRG TENDL-2015, AKONING  
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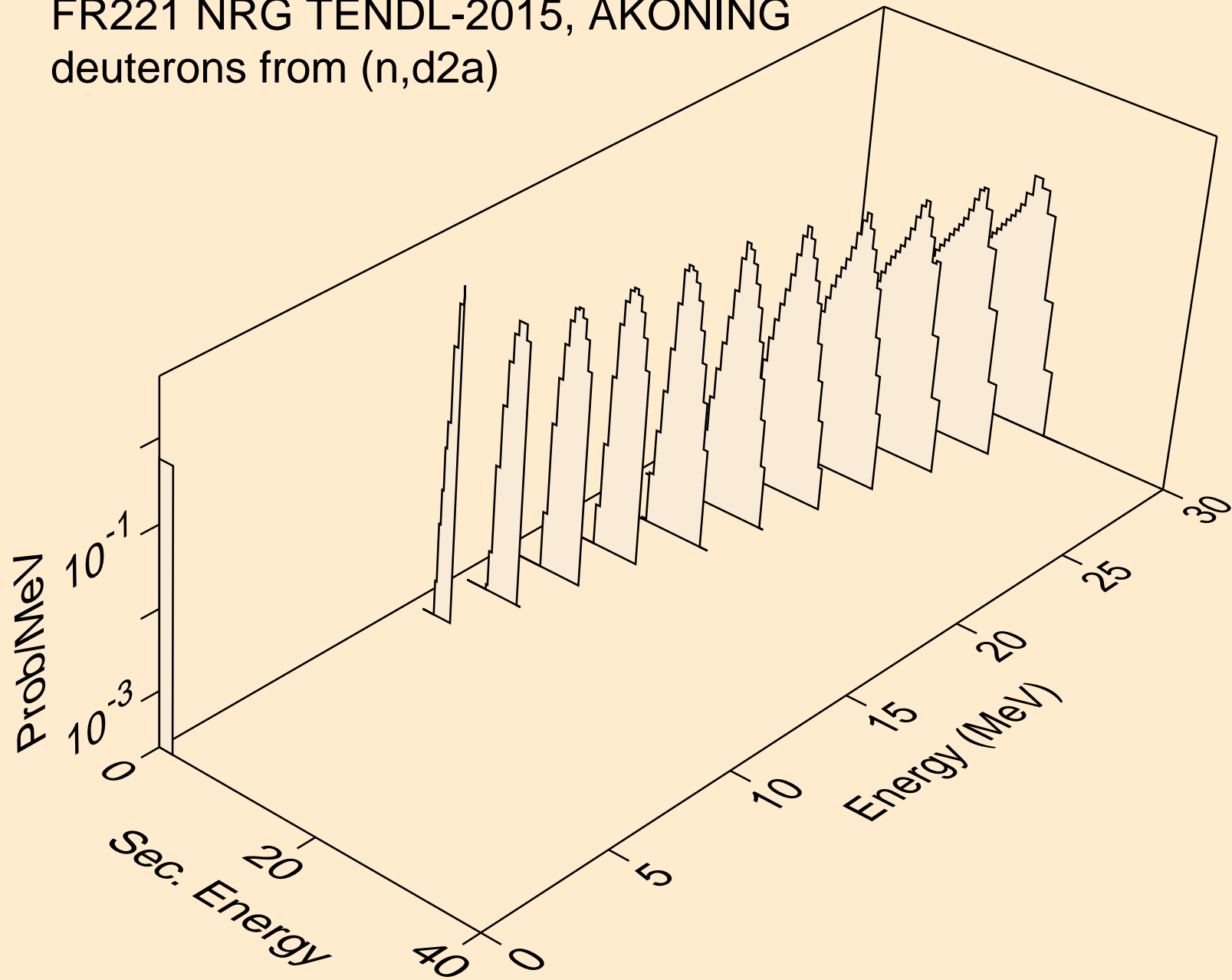
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deuterons from (n,n\*)d2a



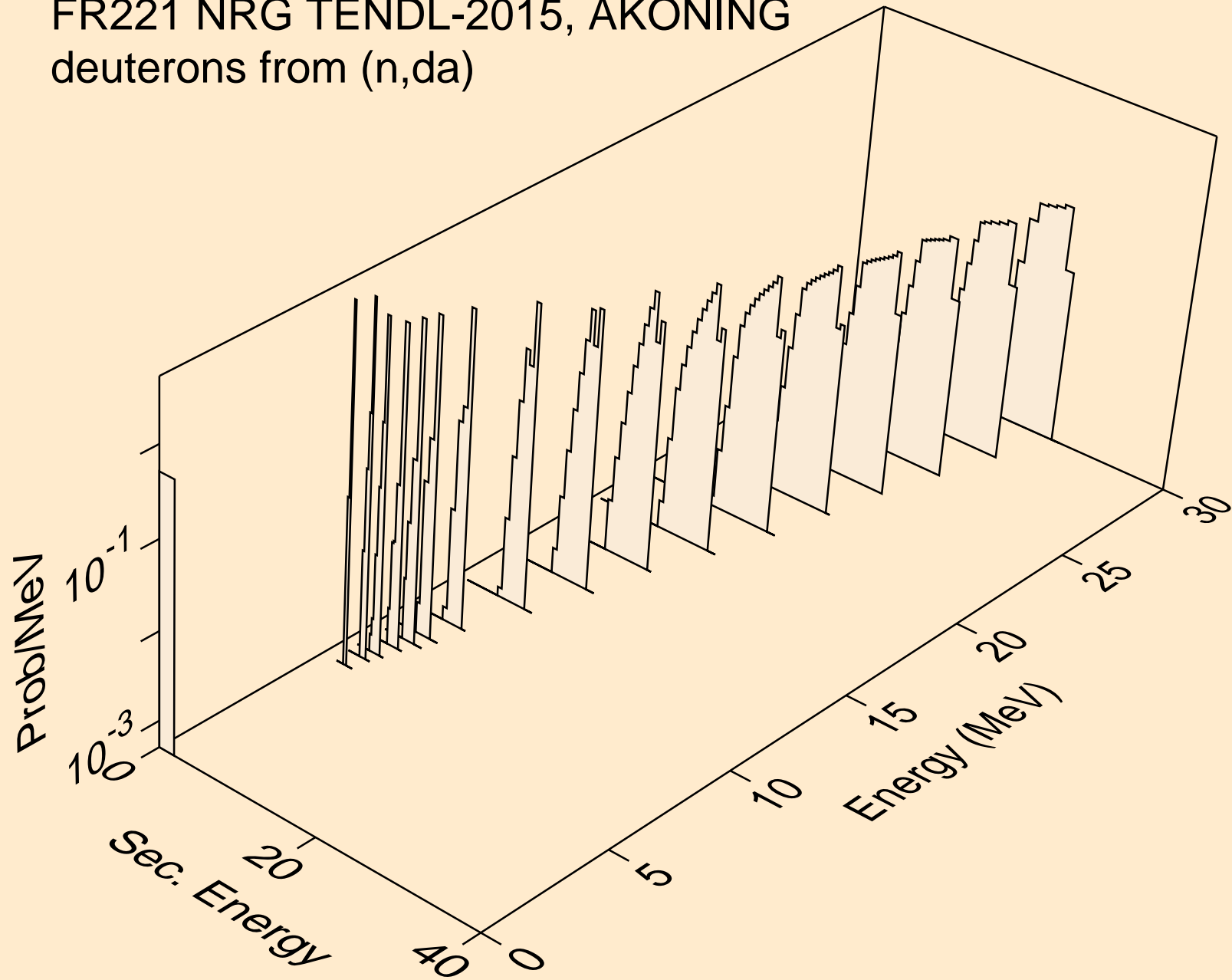
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deuterons from (n,d)



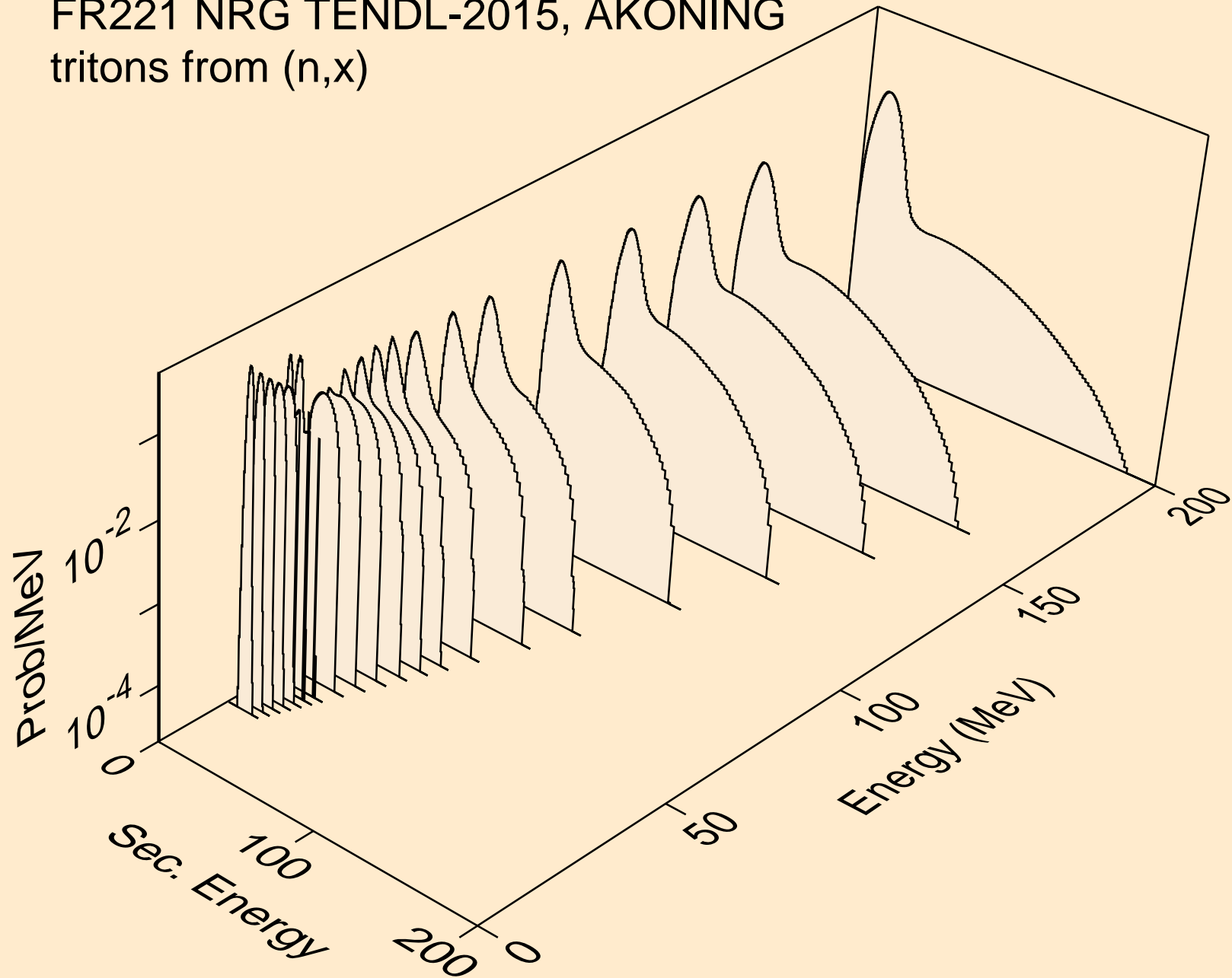
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deuterons from (n,d2a)



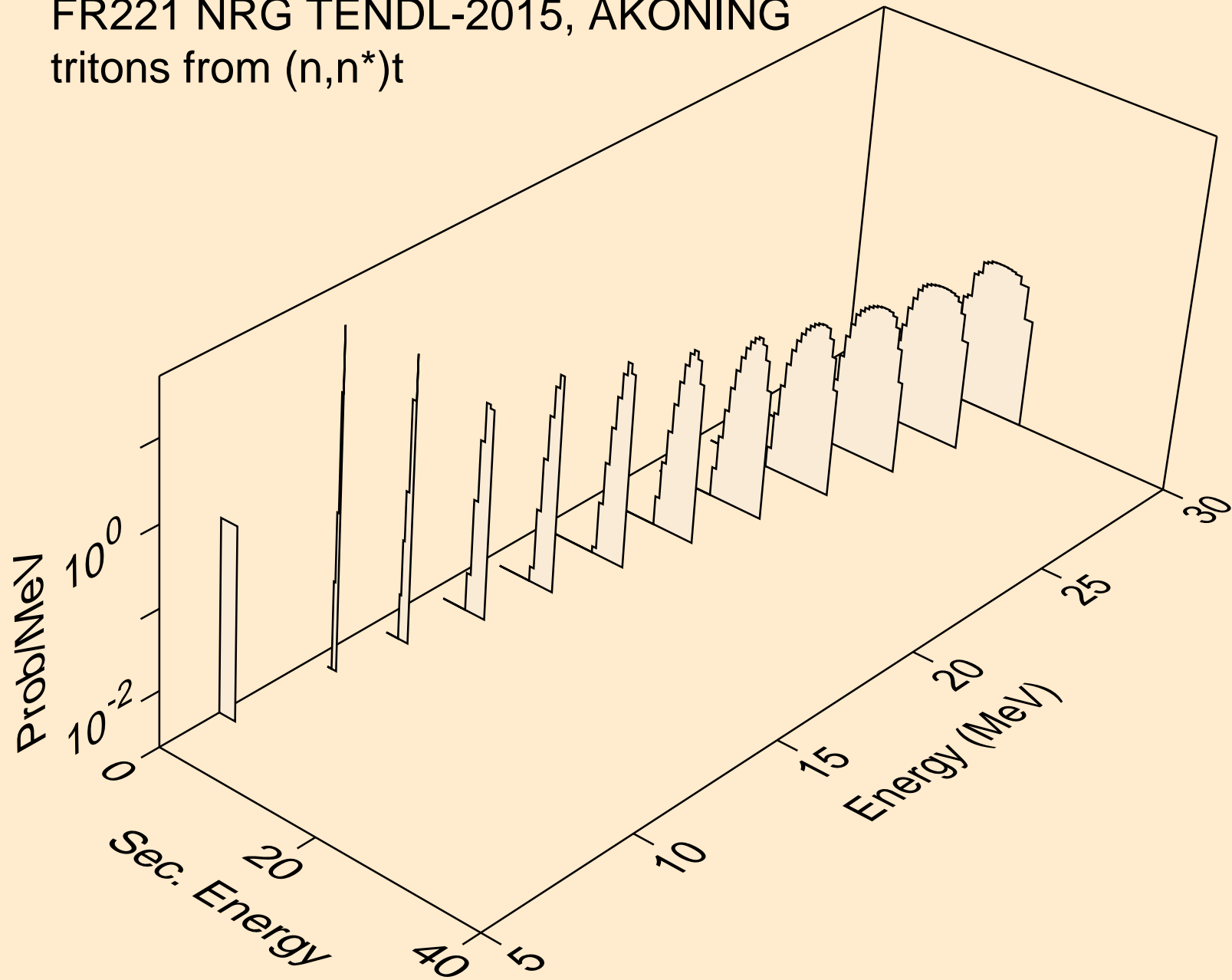
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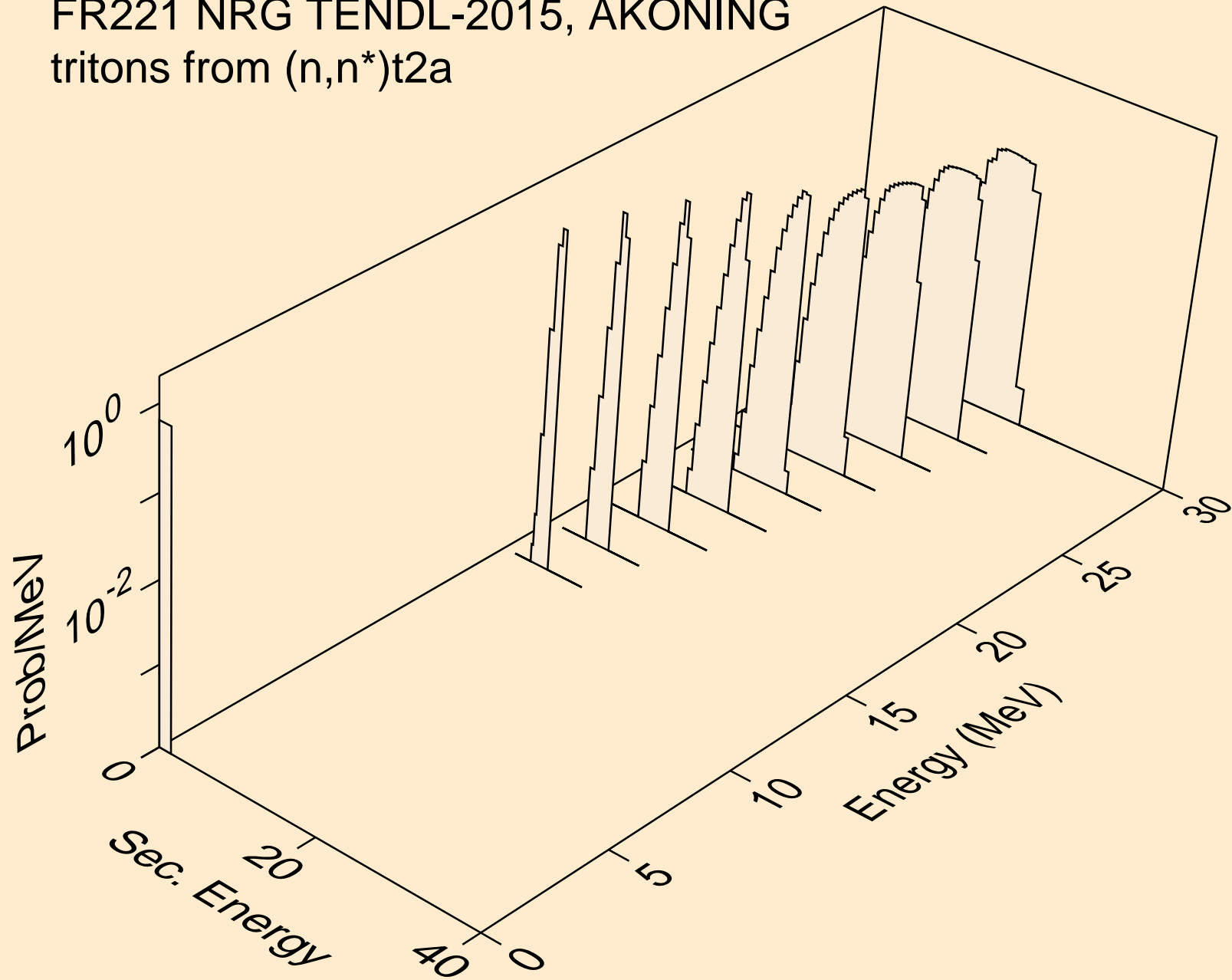
FR221 NRG TENDL-2015, AKONING  
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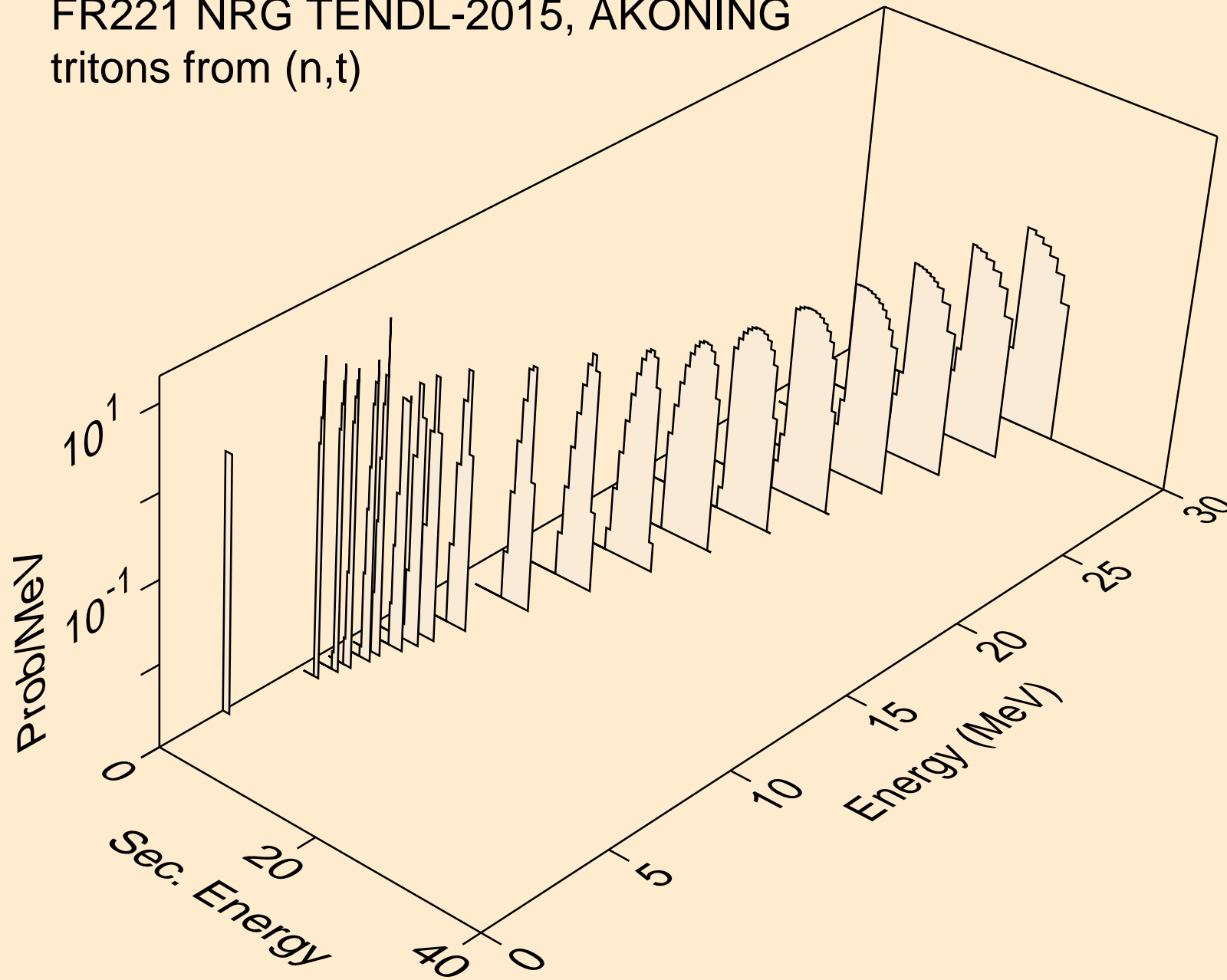
FR221 NRG TENDL-2015, AKONING  
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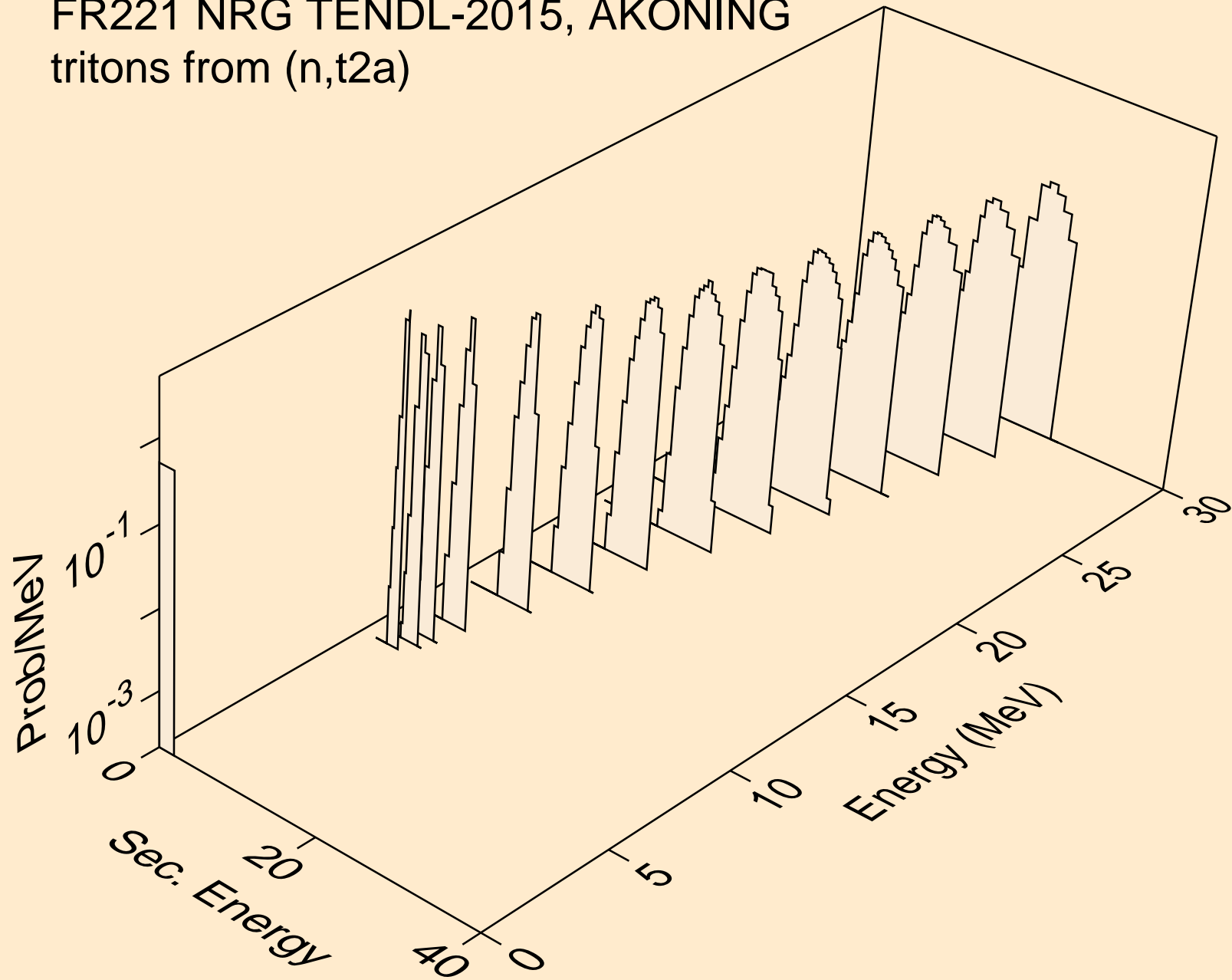
FR221 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t2a



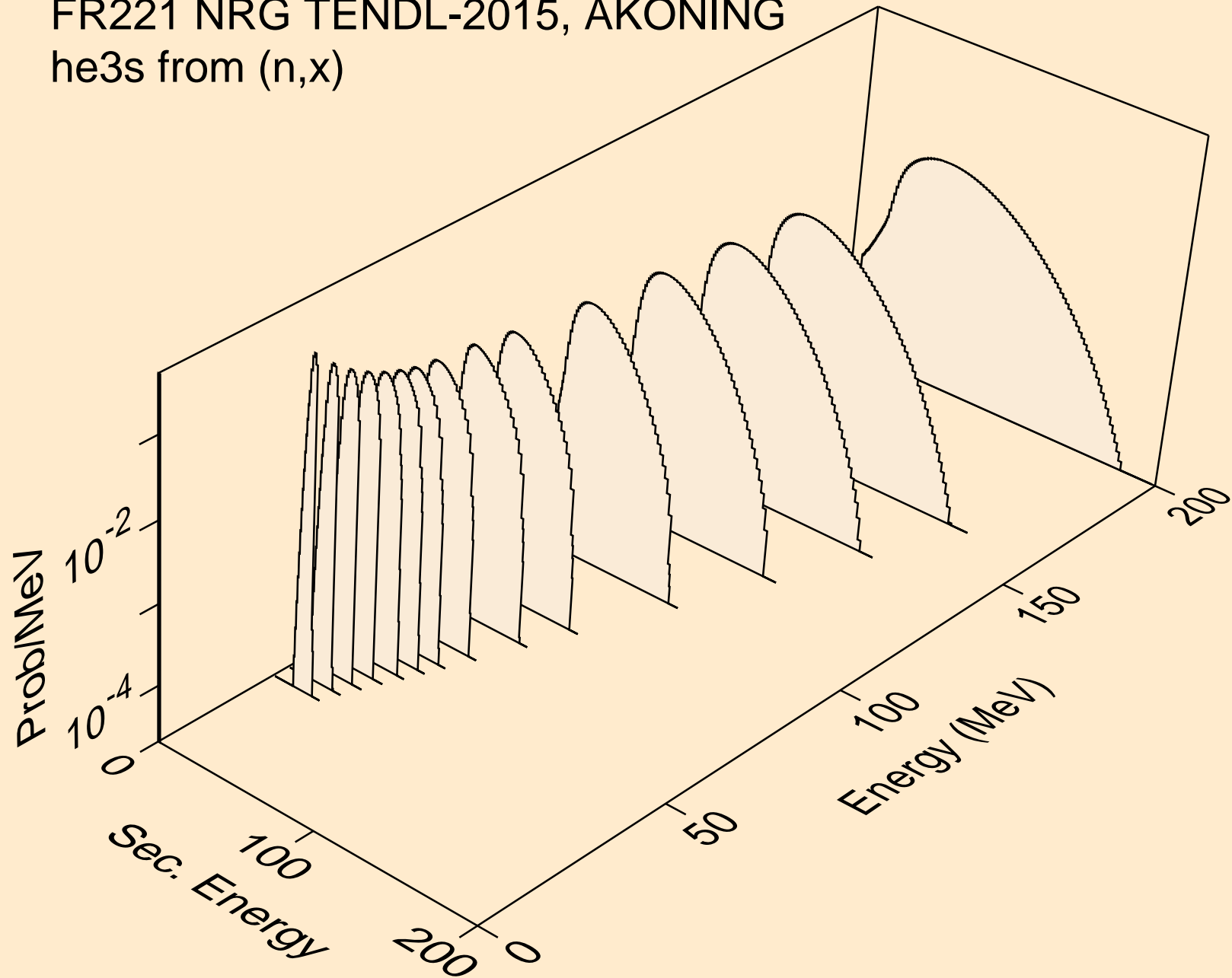
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tritons from (n,t)



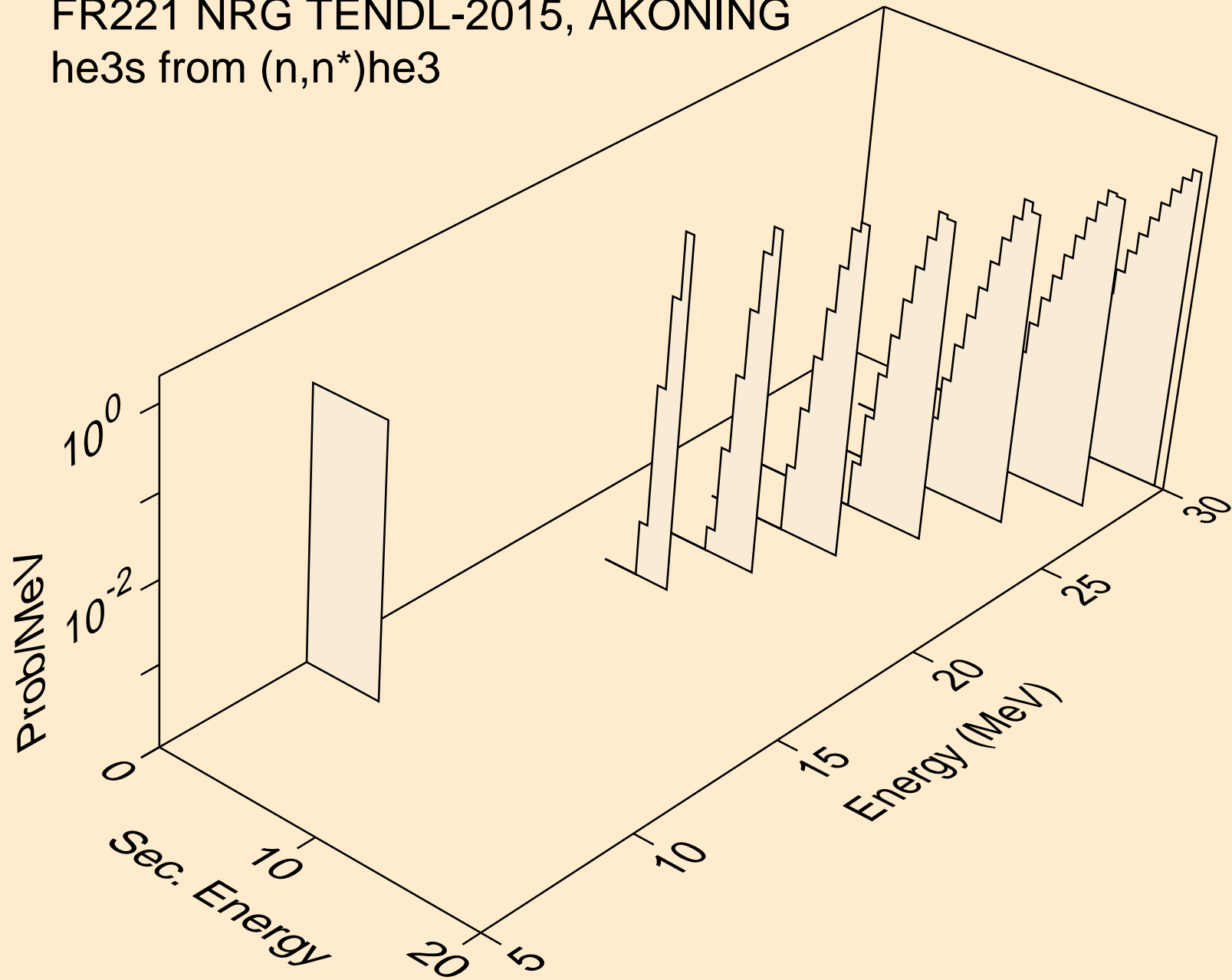
FR221 NRG TENDL-2015, AKONING  
tritons from (n,t2a)



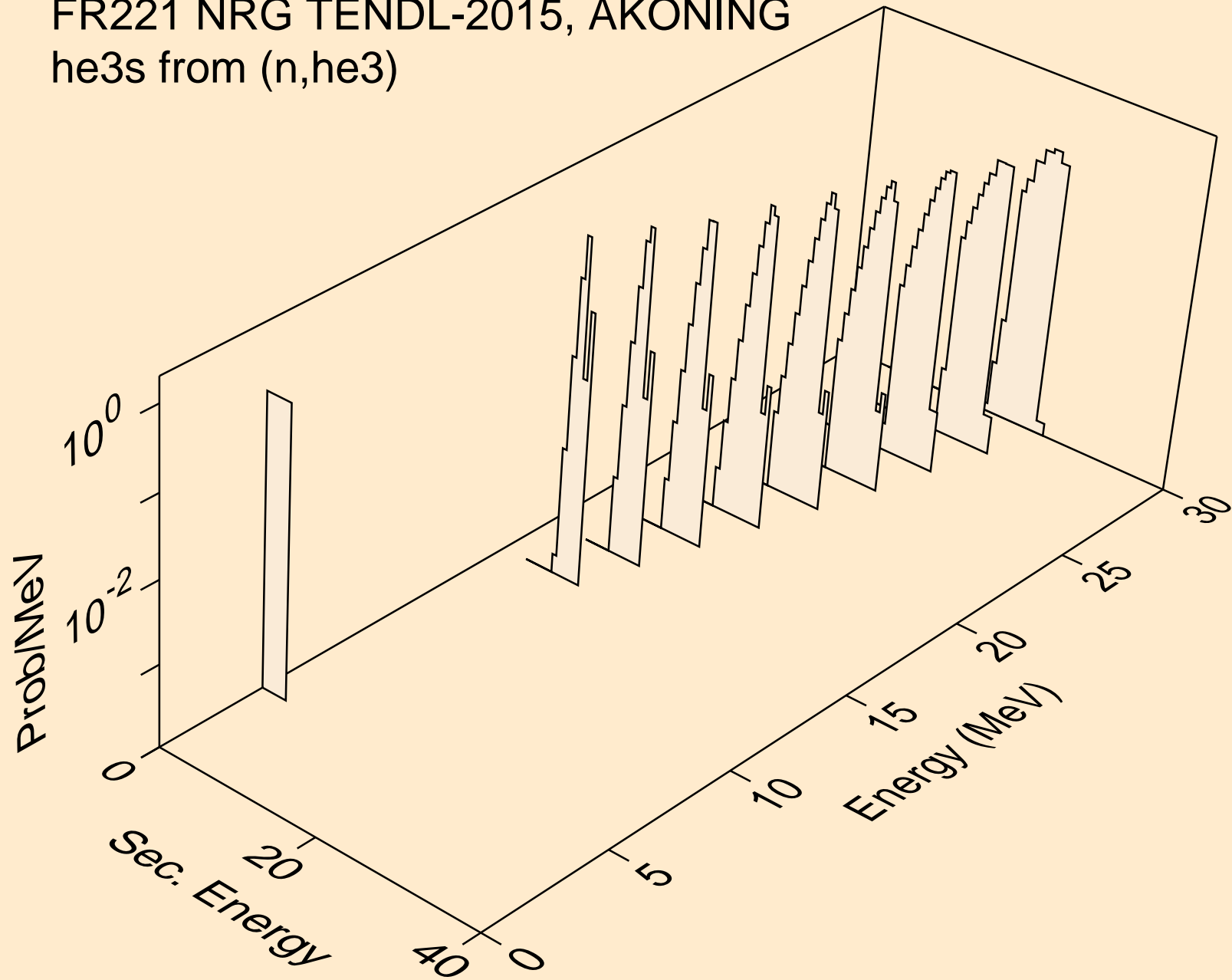
FR221 NRG TENDL-2015, AKONING  
he3s from (n,x)



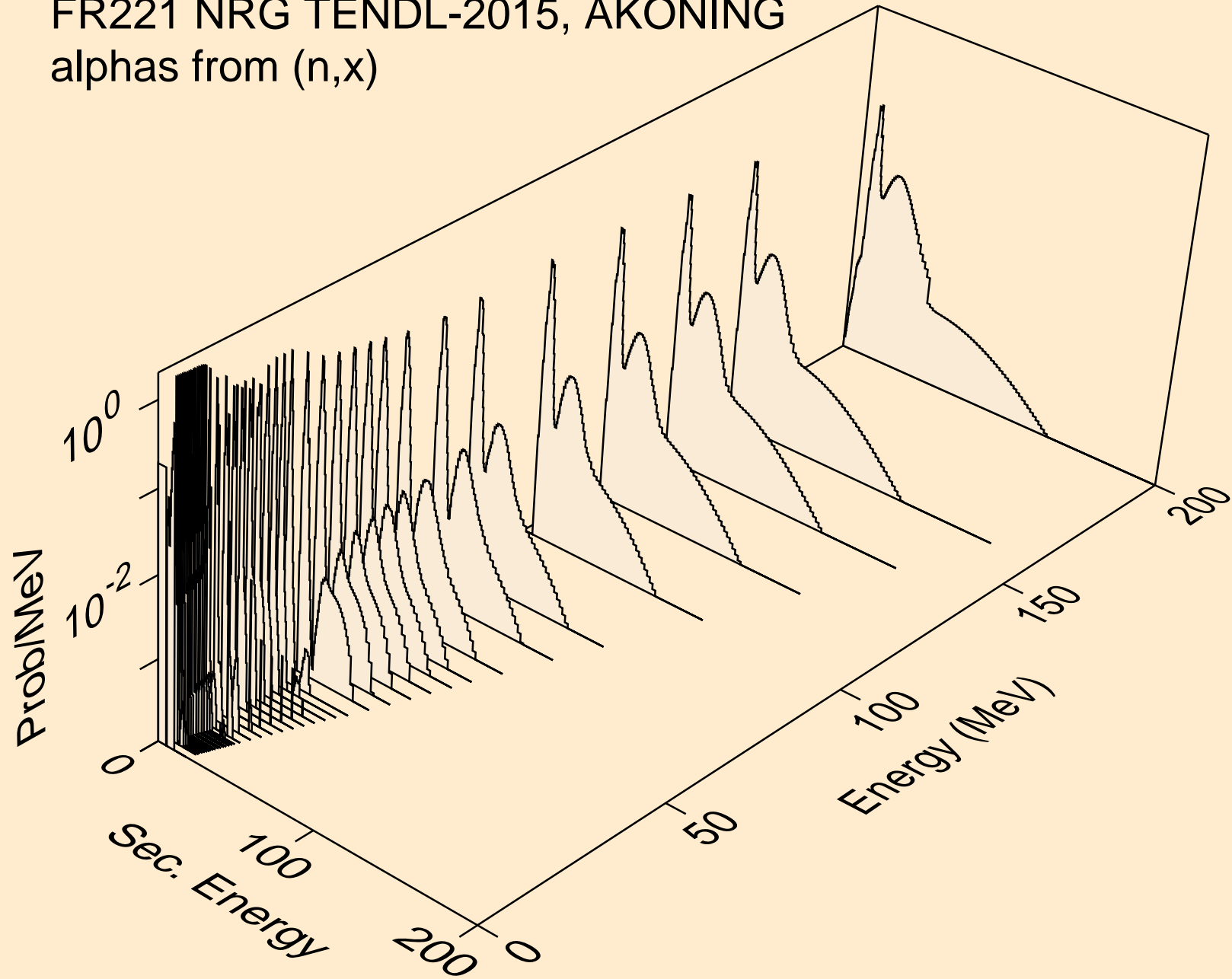
FR221 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



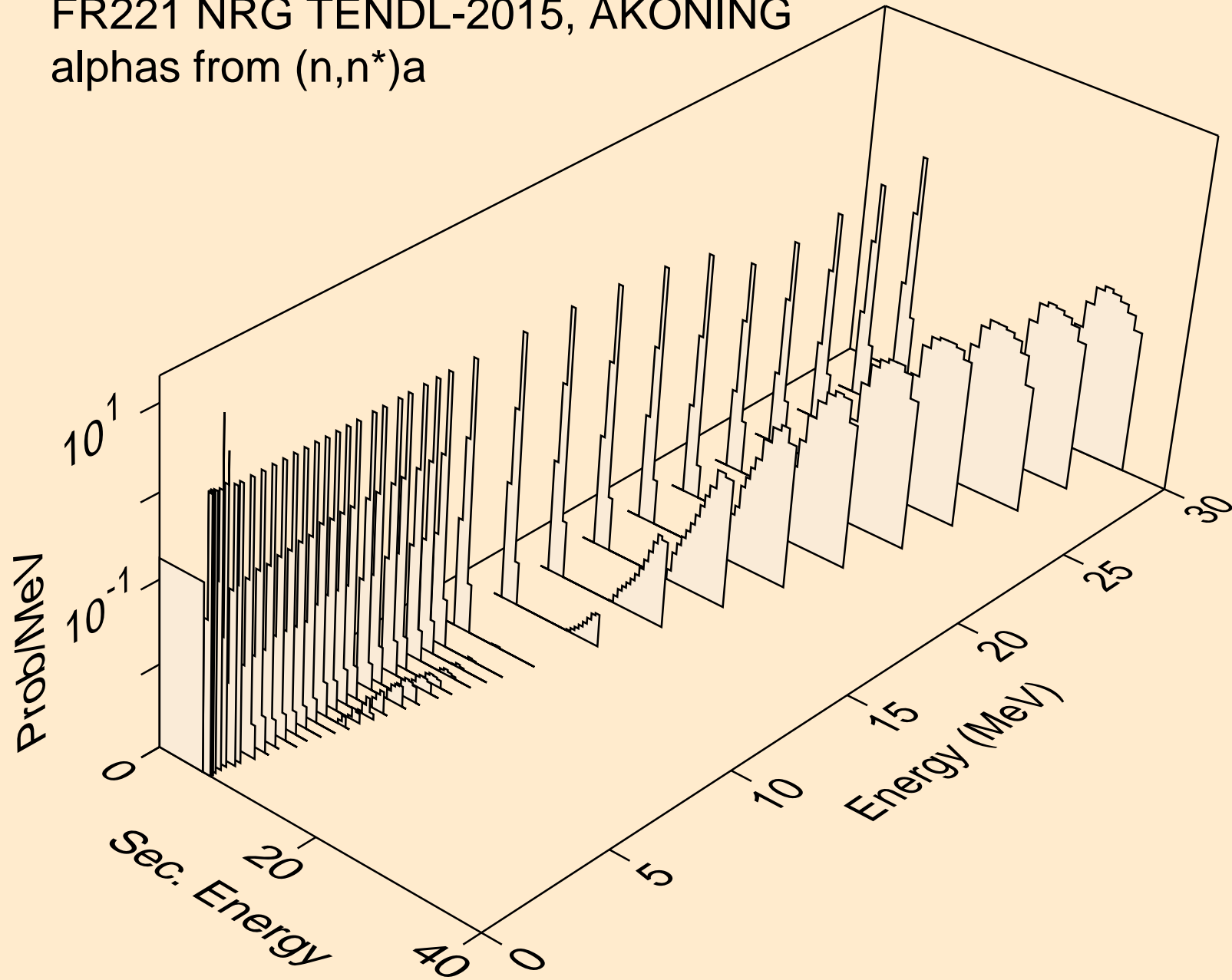
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he3s from (n,he3)



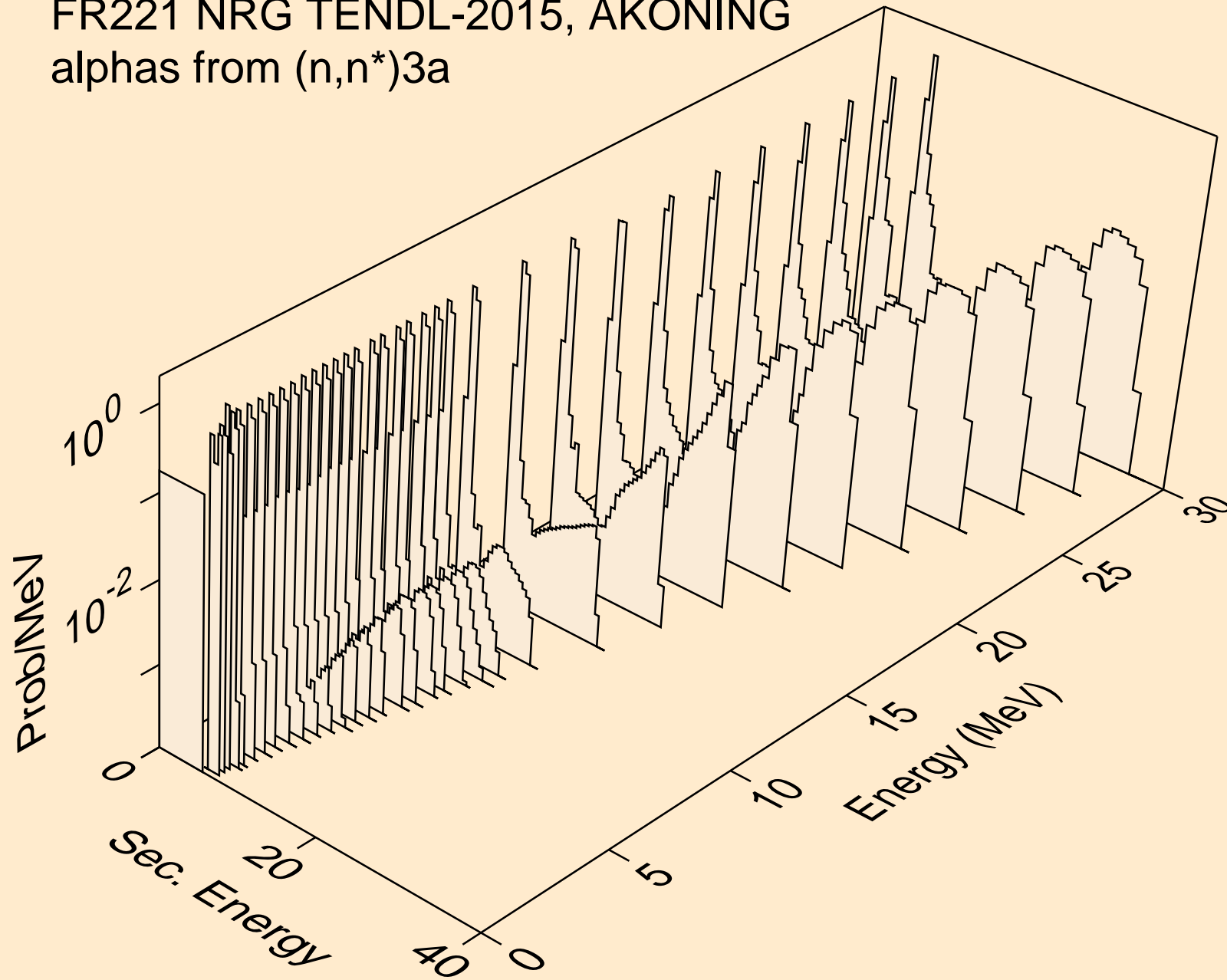
FR221 NRG TENDL-2015, AKONING  
alphas from (n,x)



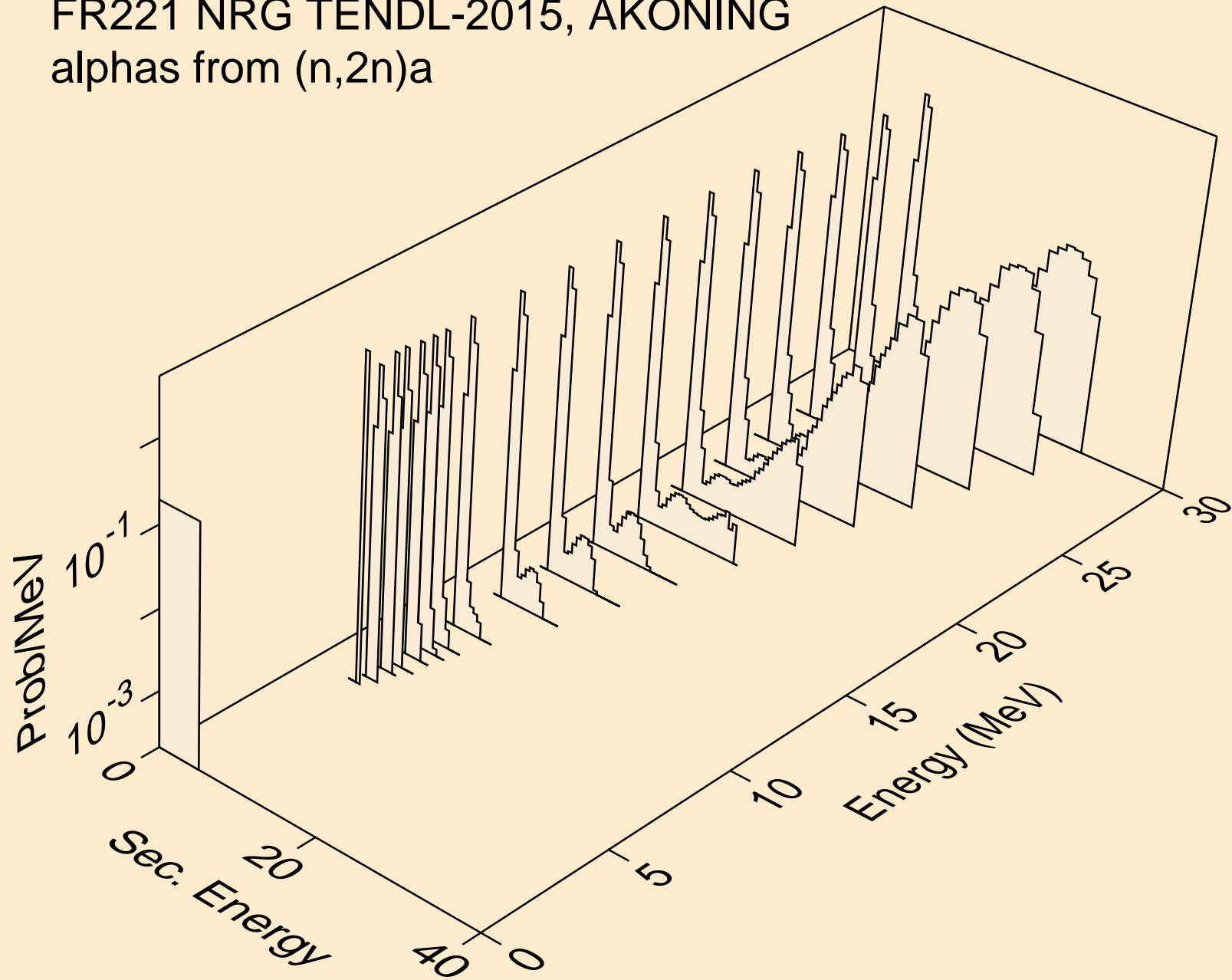
FR221 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



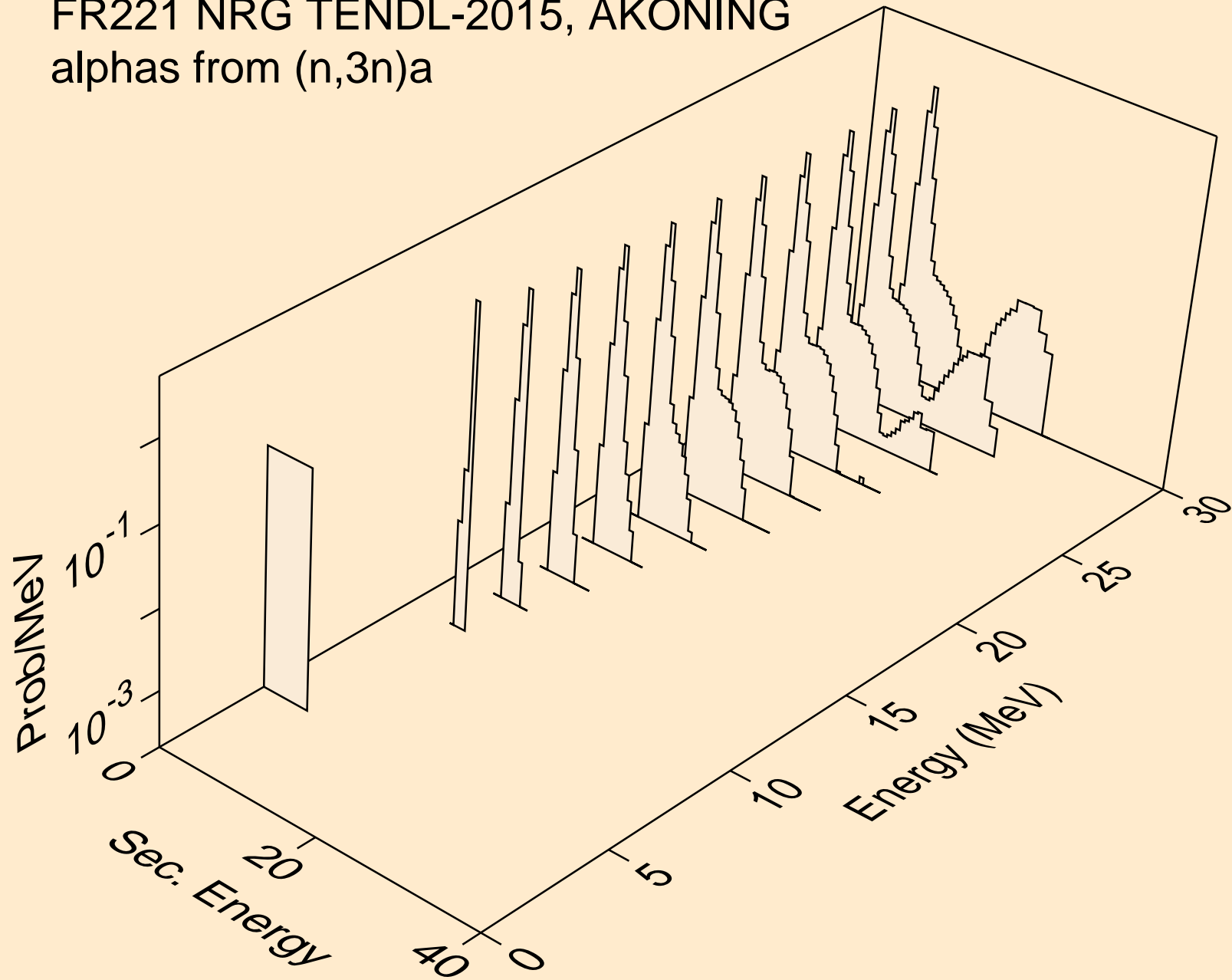
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alphas from (n,n\*)3a



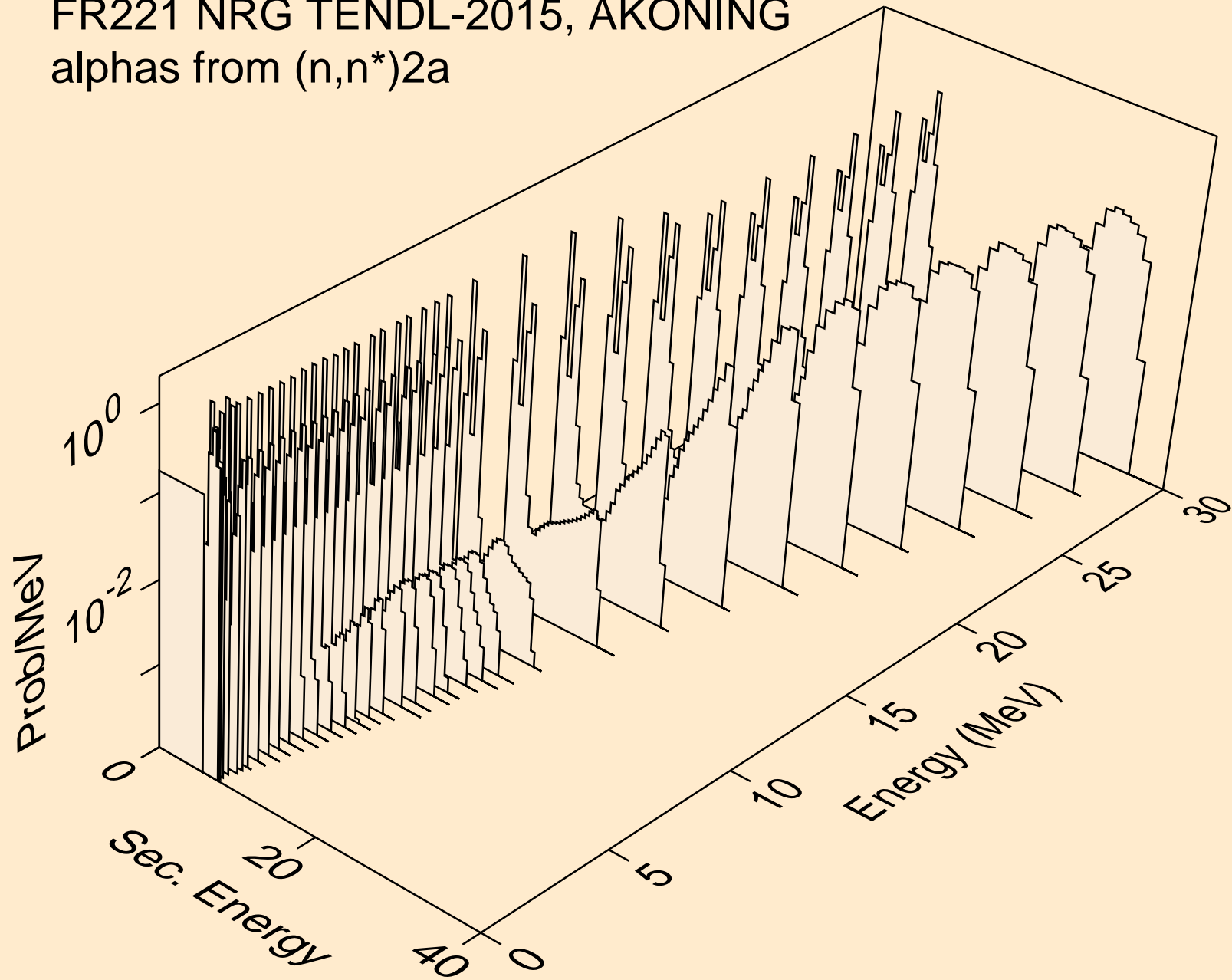
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alphas from (n,2n)a



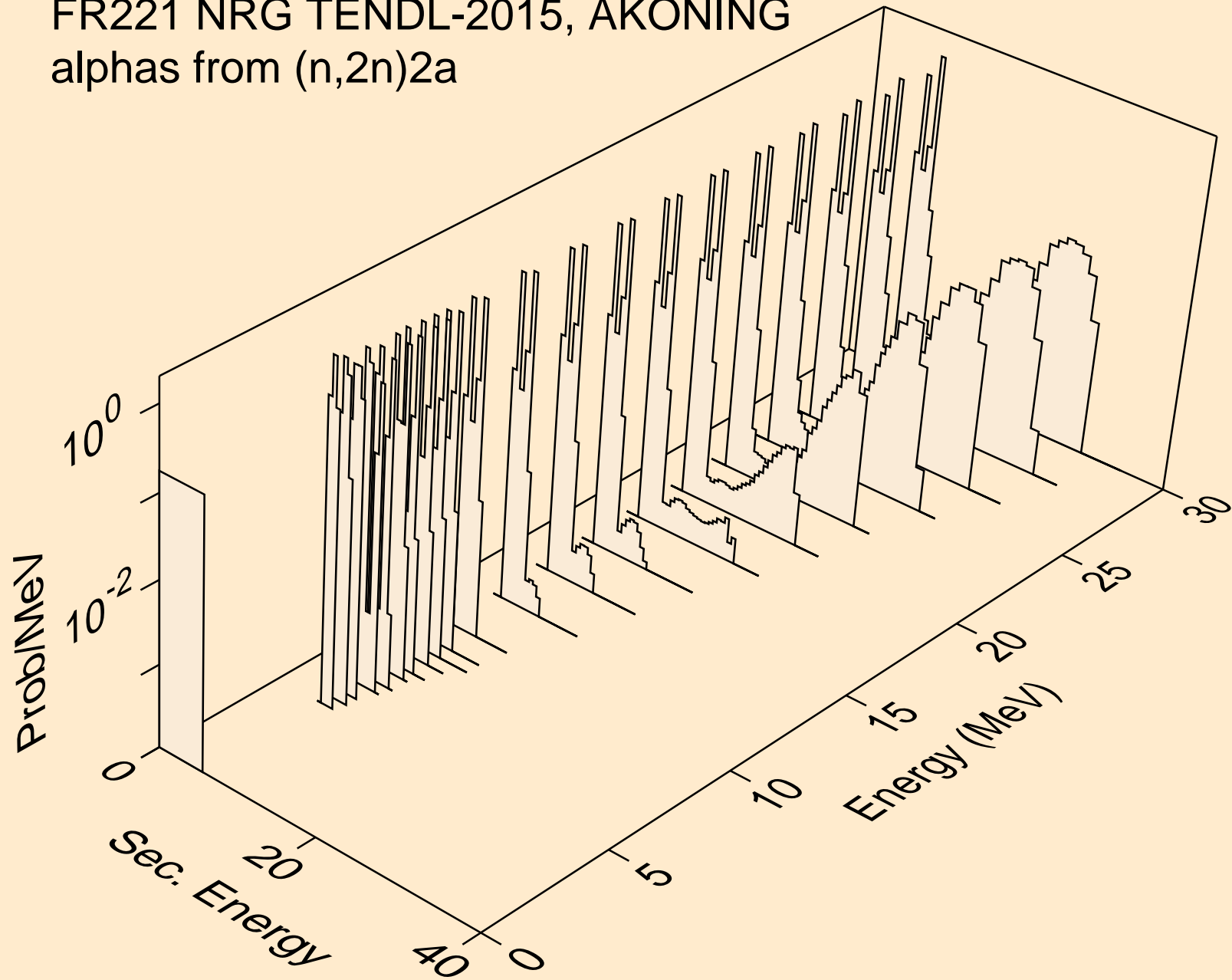
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alphas from (n,3n)a



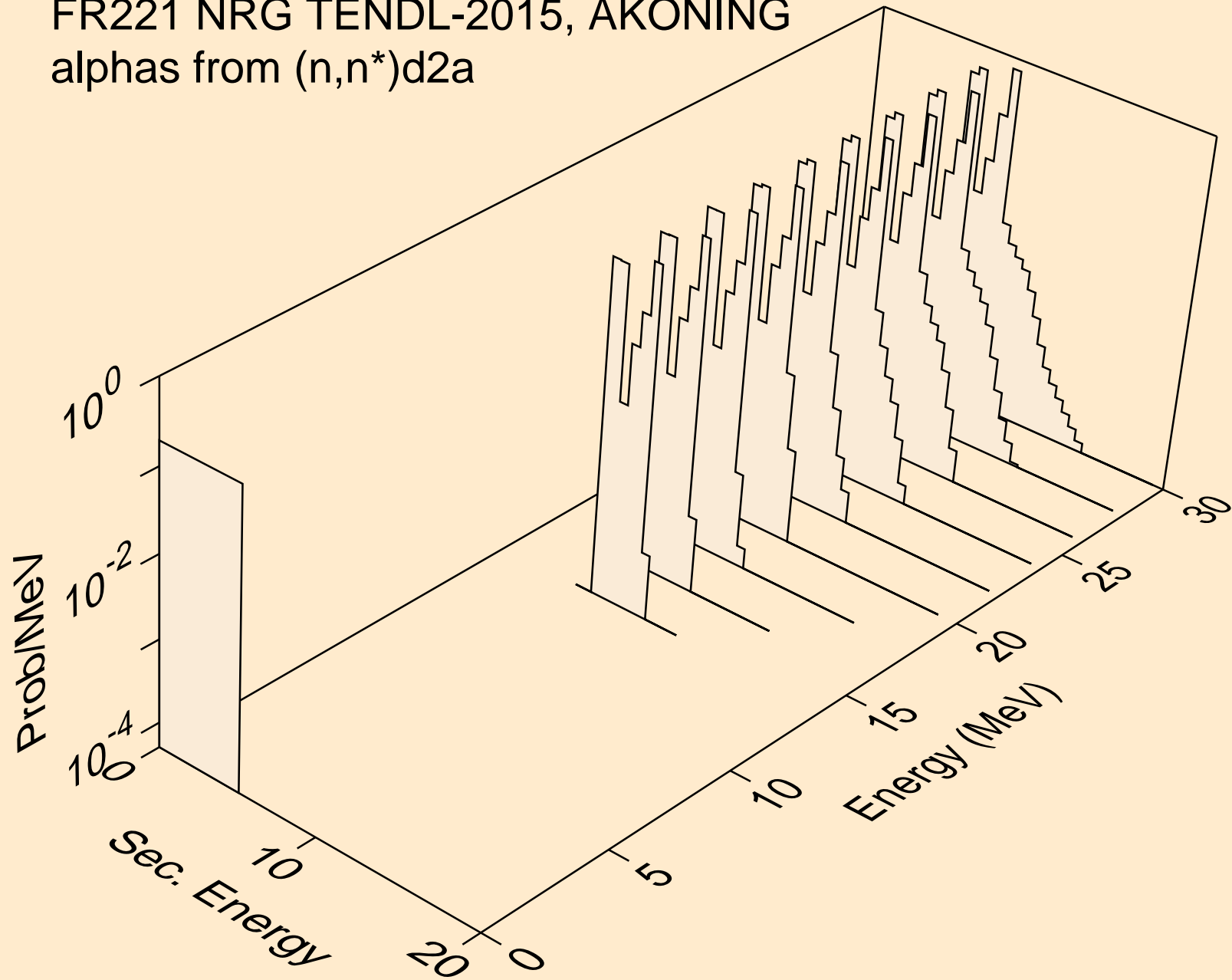
FR221 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



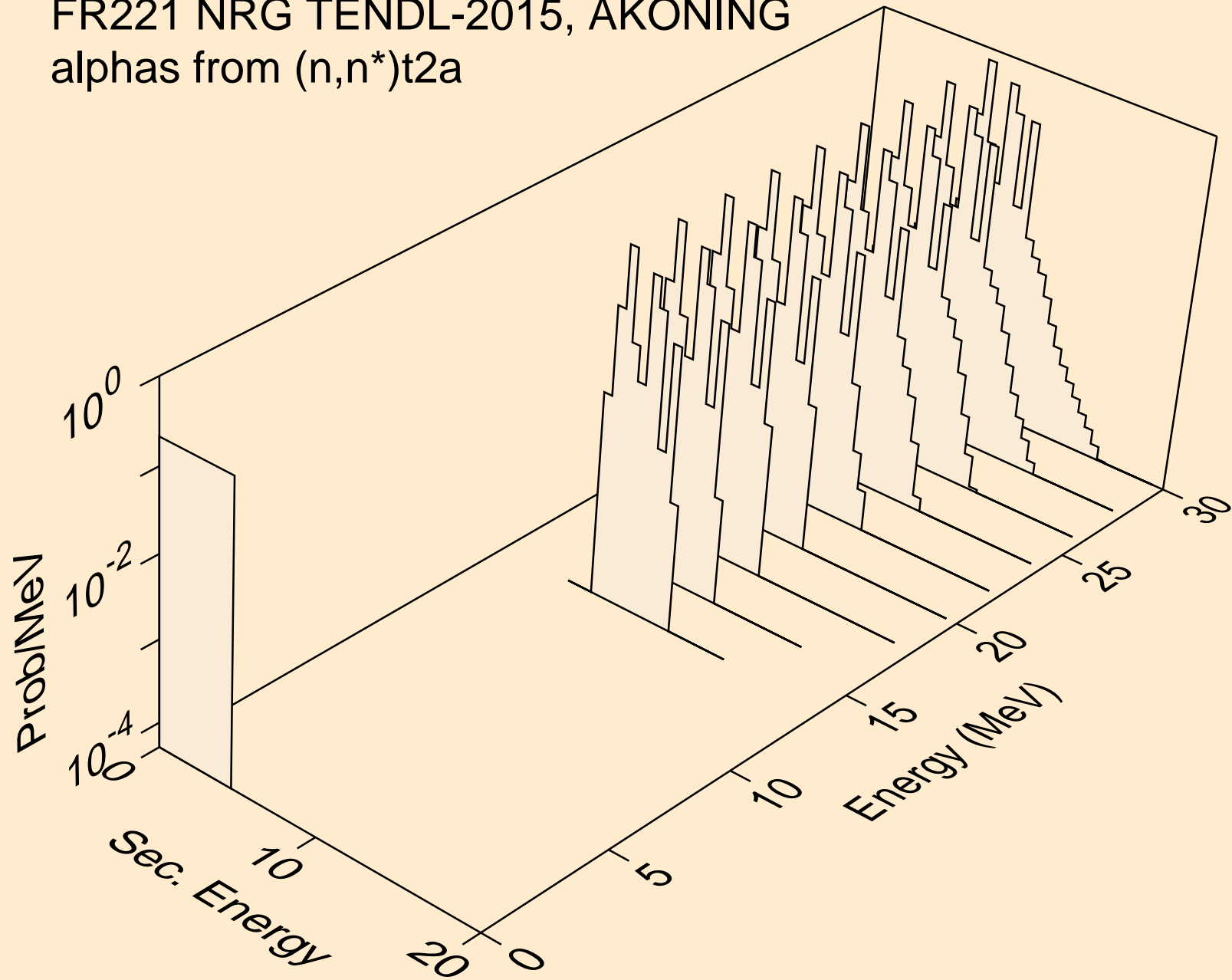
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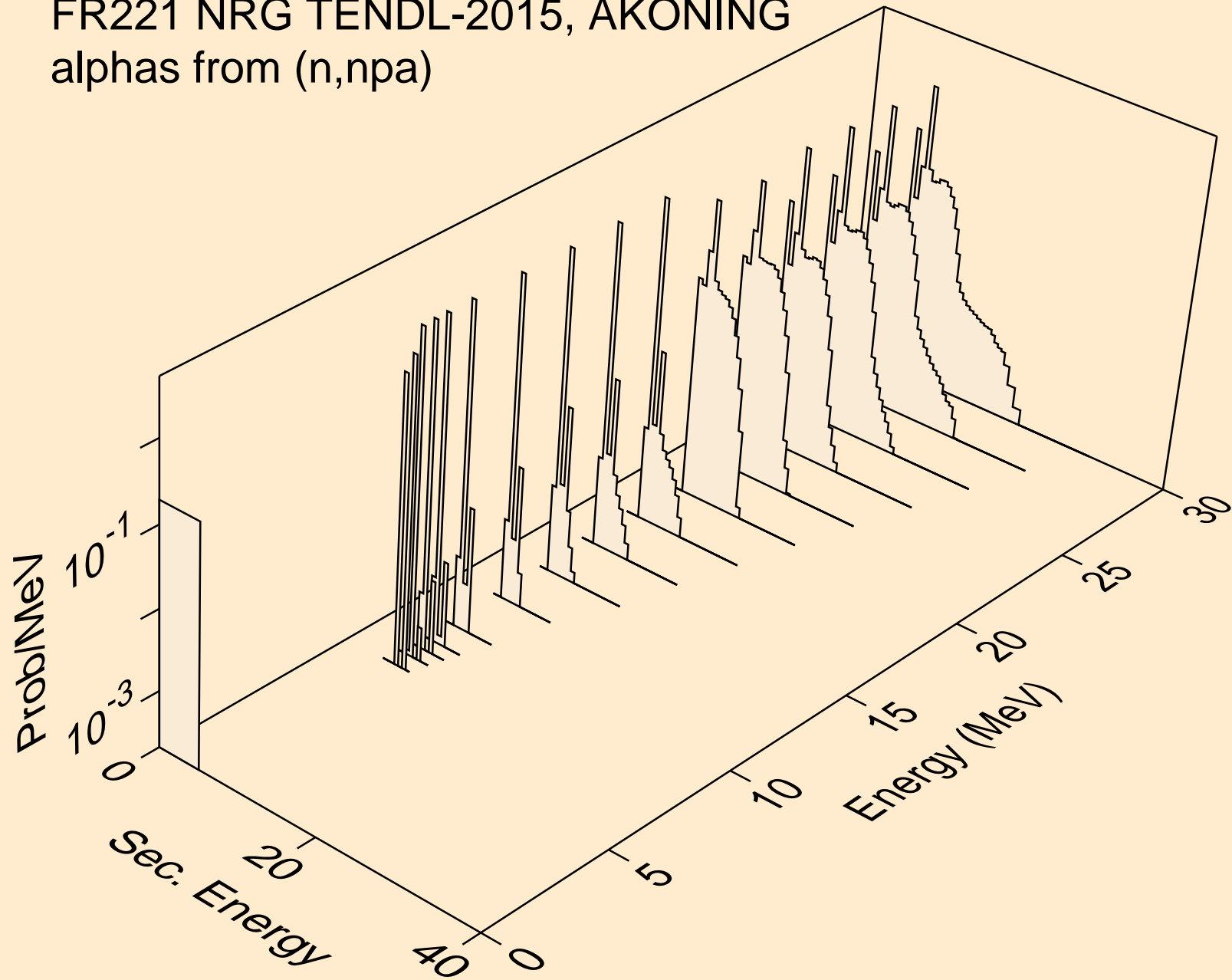
FR221 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



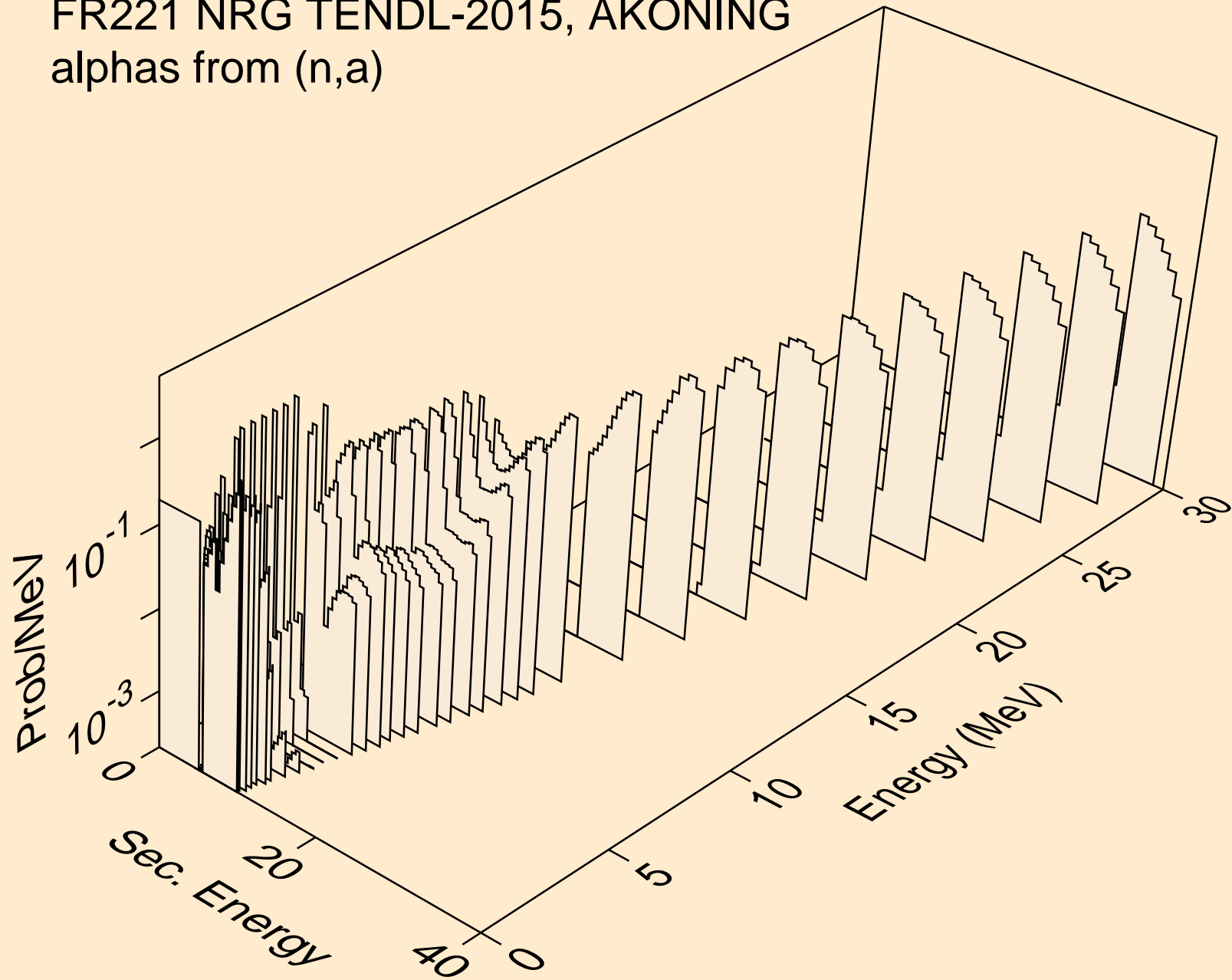
FR221 NRG TENDL-2015, AKONING  
alphas from (n,n\*)t2a



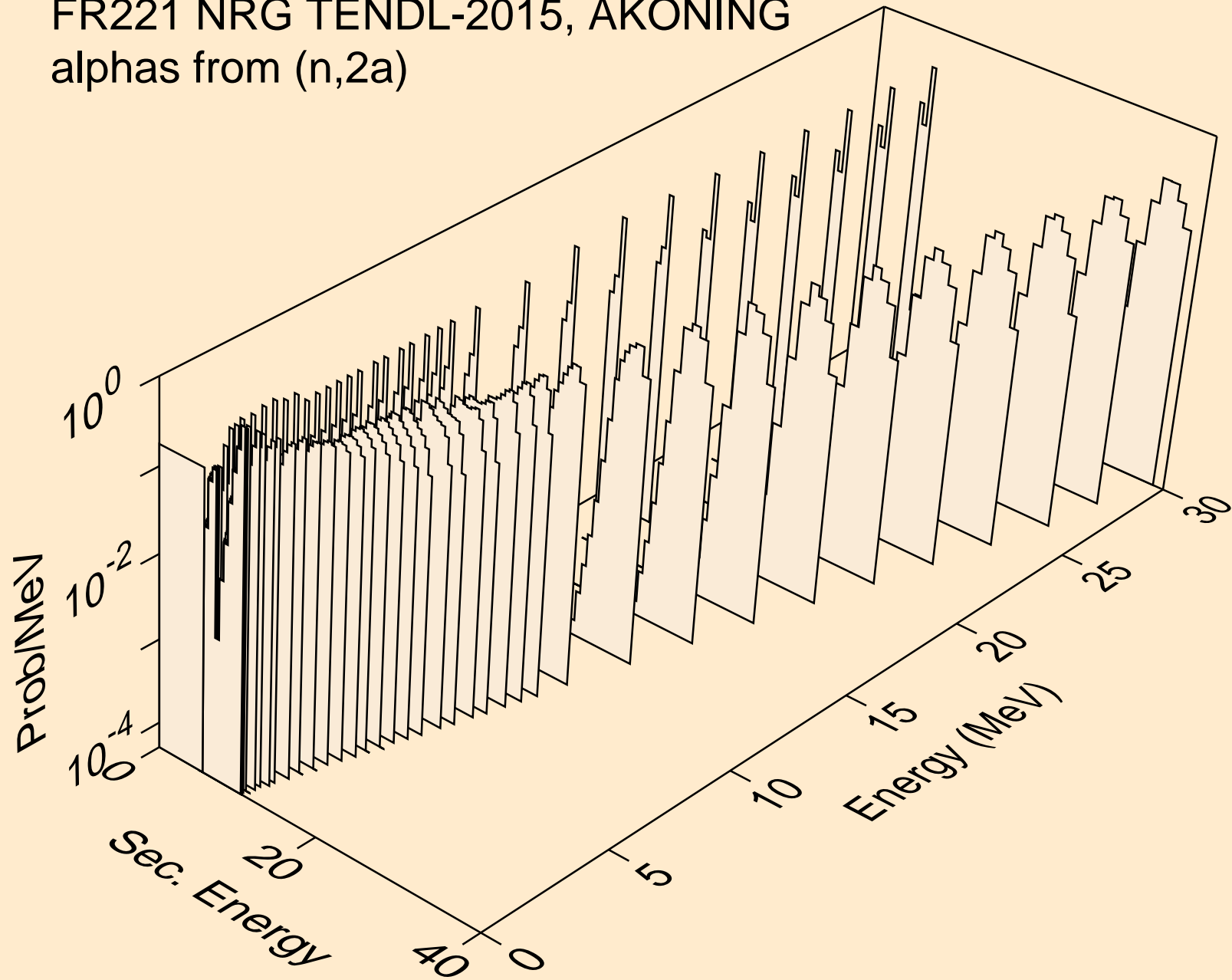
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alphas from (n,npa)



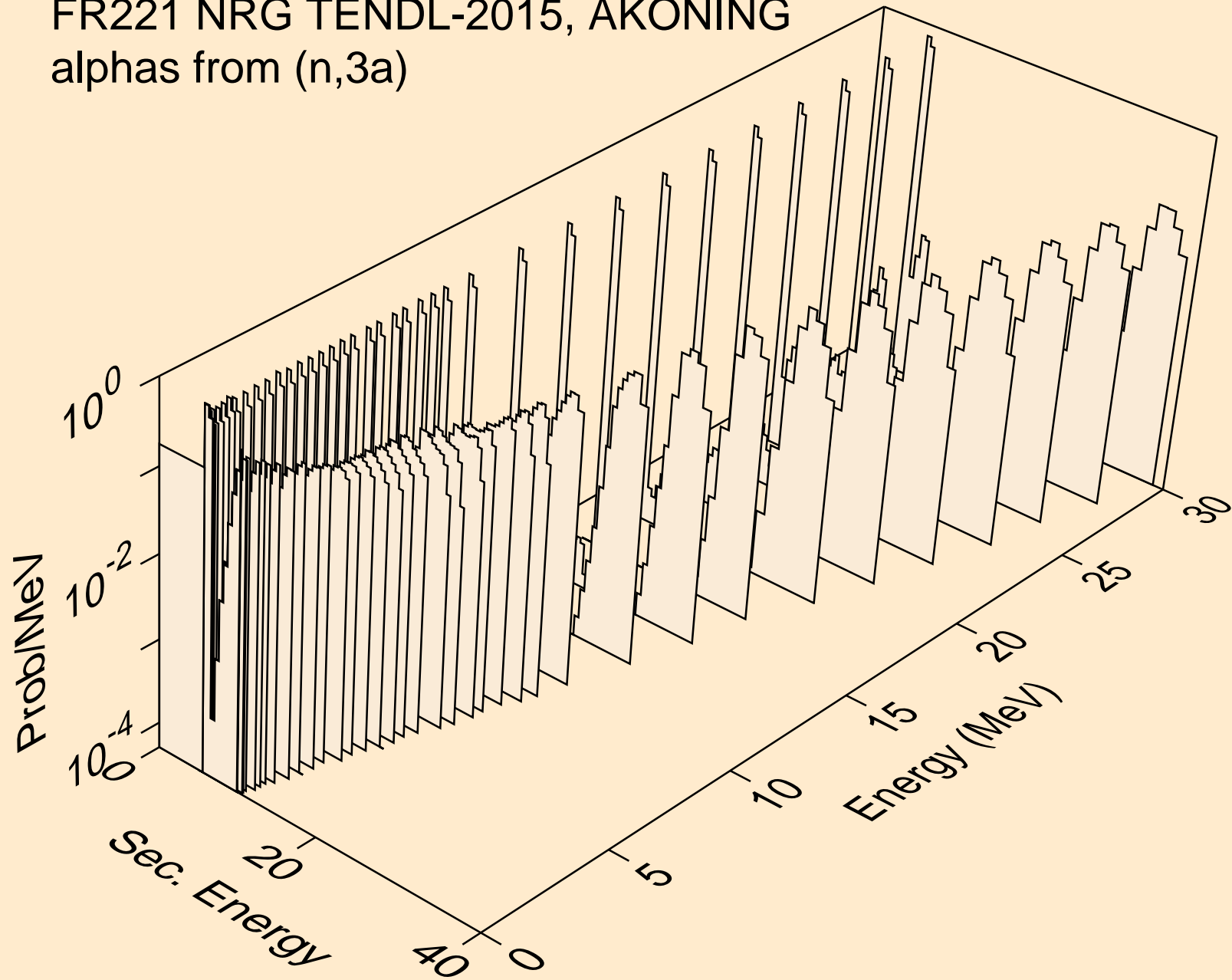
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alphas from (n,a)



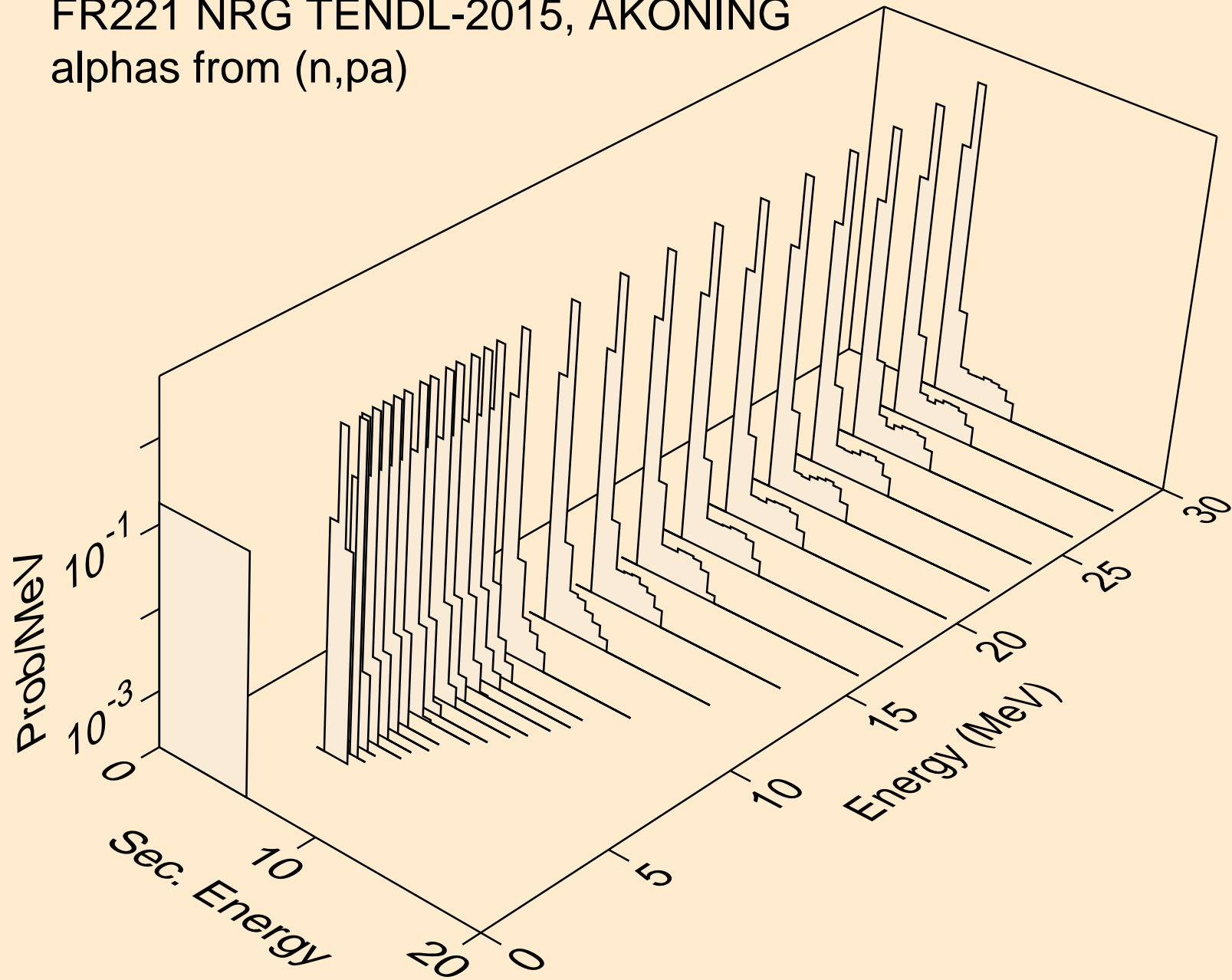
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alphas from (n,2a)



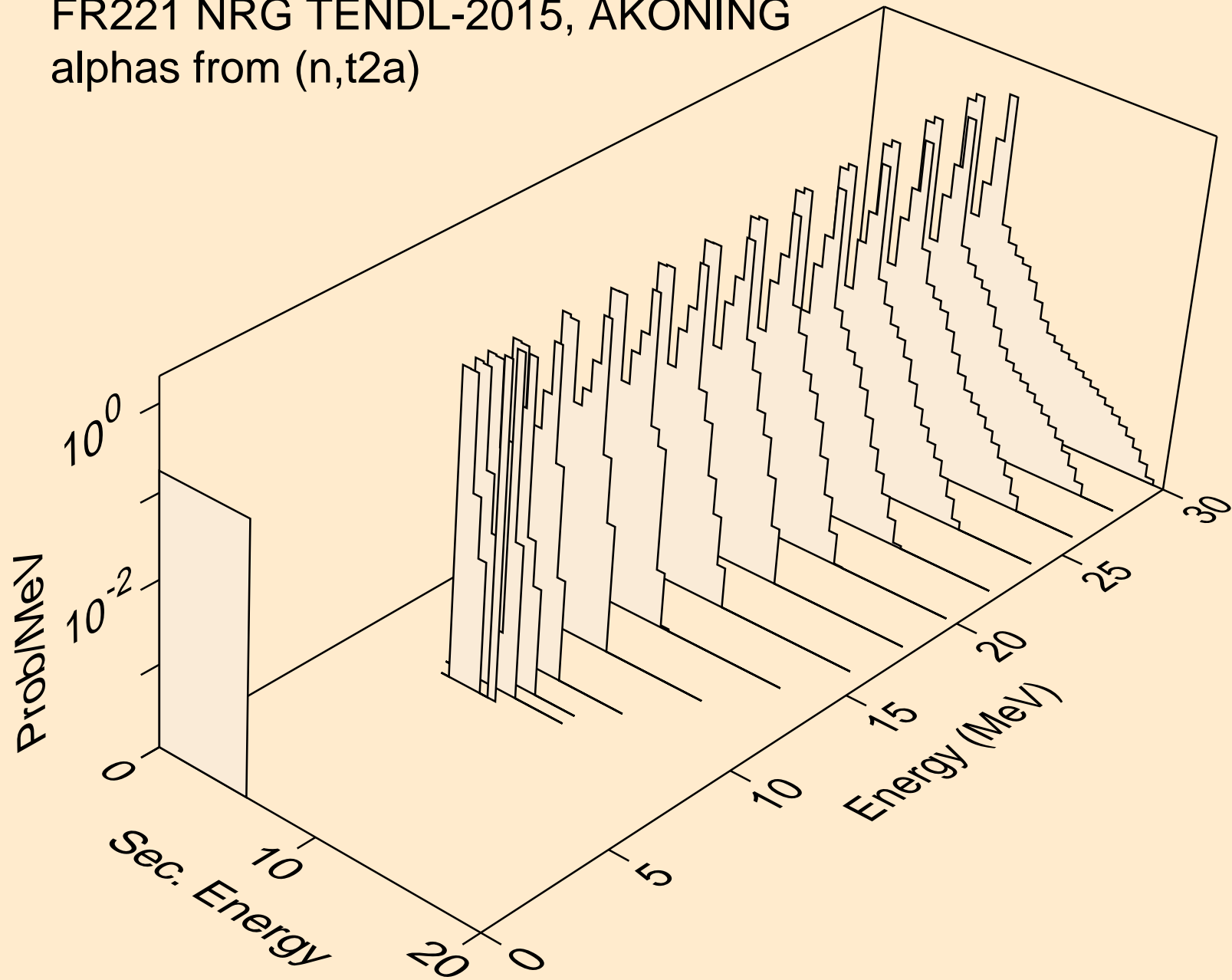
FR221 NRG TENDL-2015, AKONING  
alphas from (n,3a)



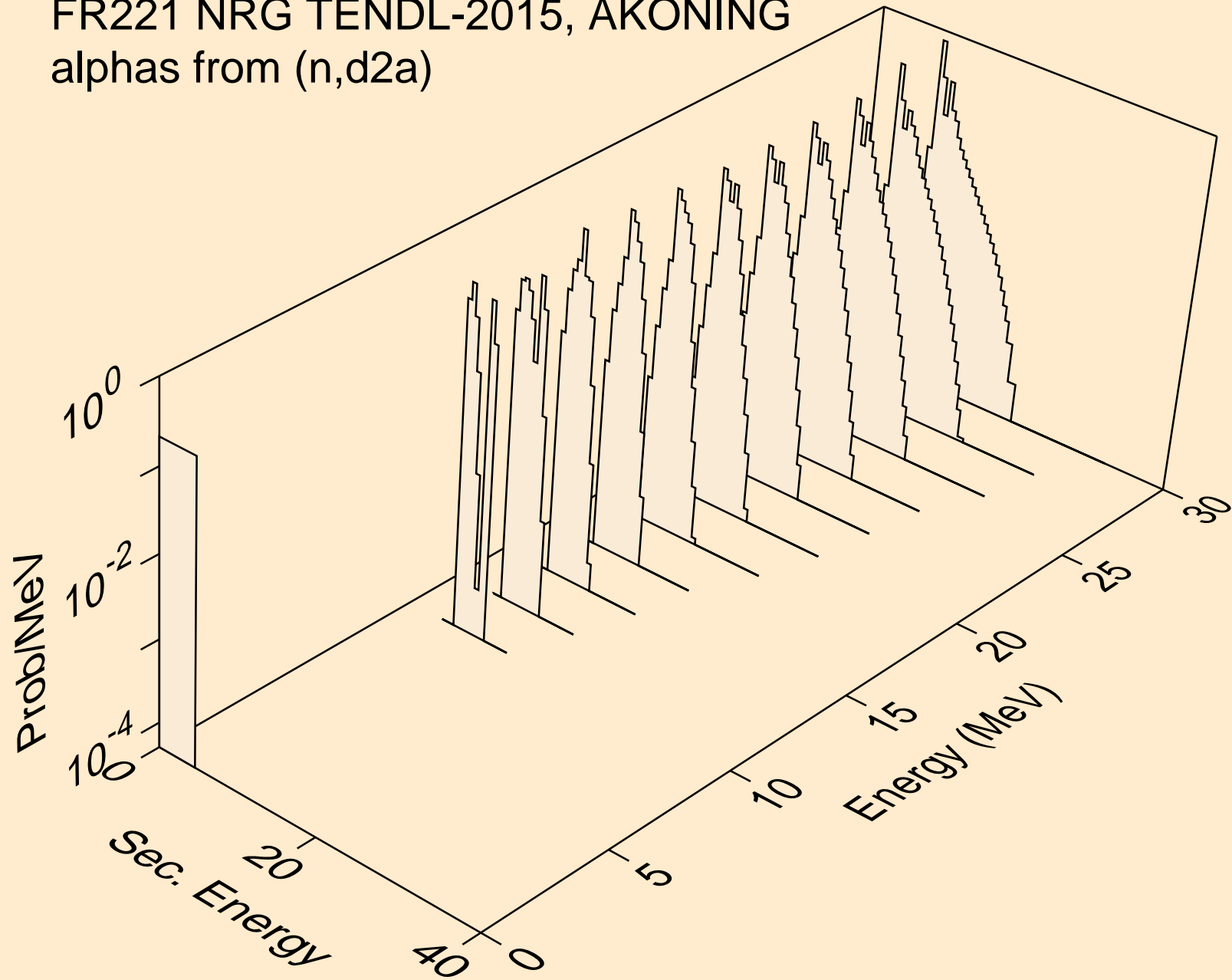
FR221 NRG TENDL-2015, AKONING  
alphas from (n,pa)



FR221 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



FR221 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



FR221 NRG TENDL-2015, AKONING  
alphas from (n,da)

