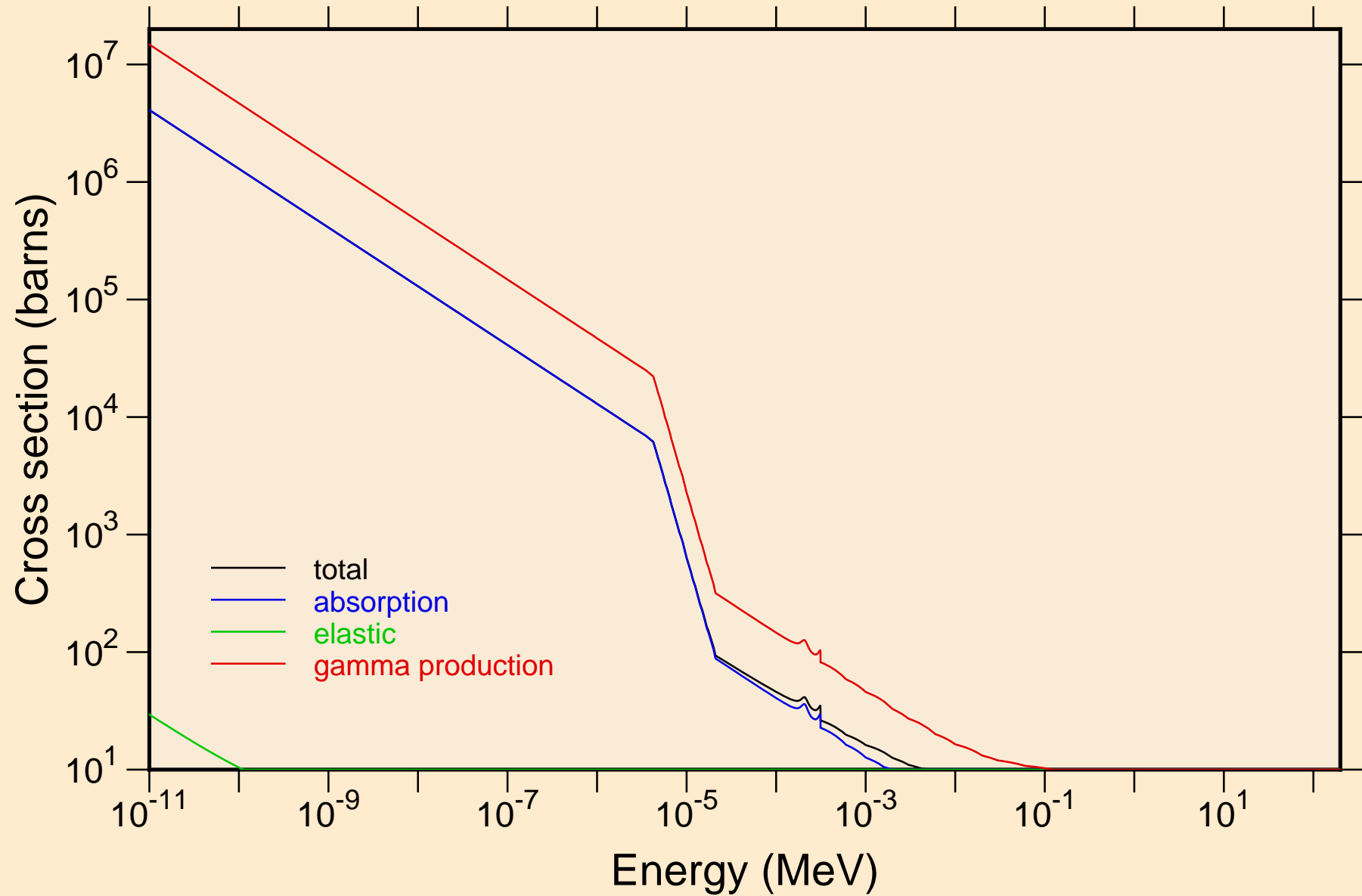


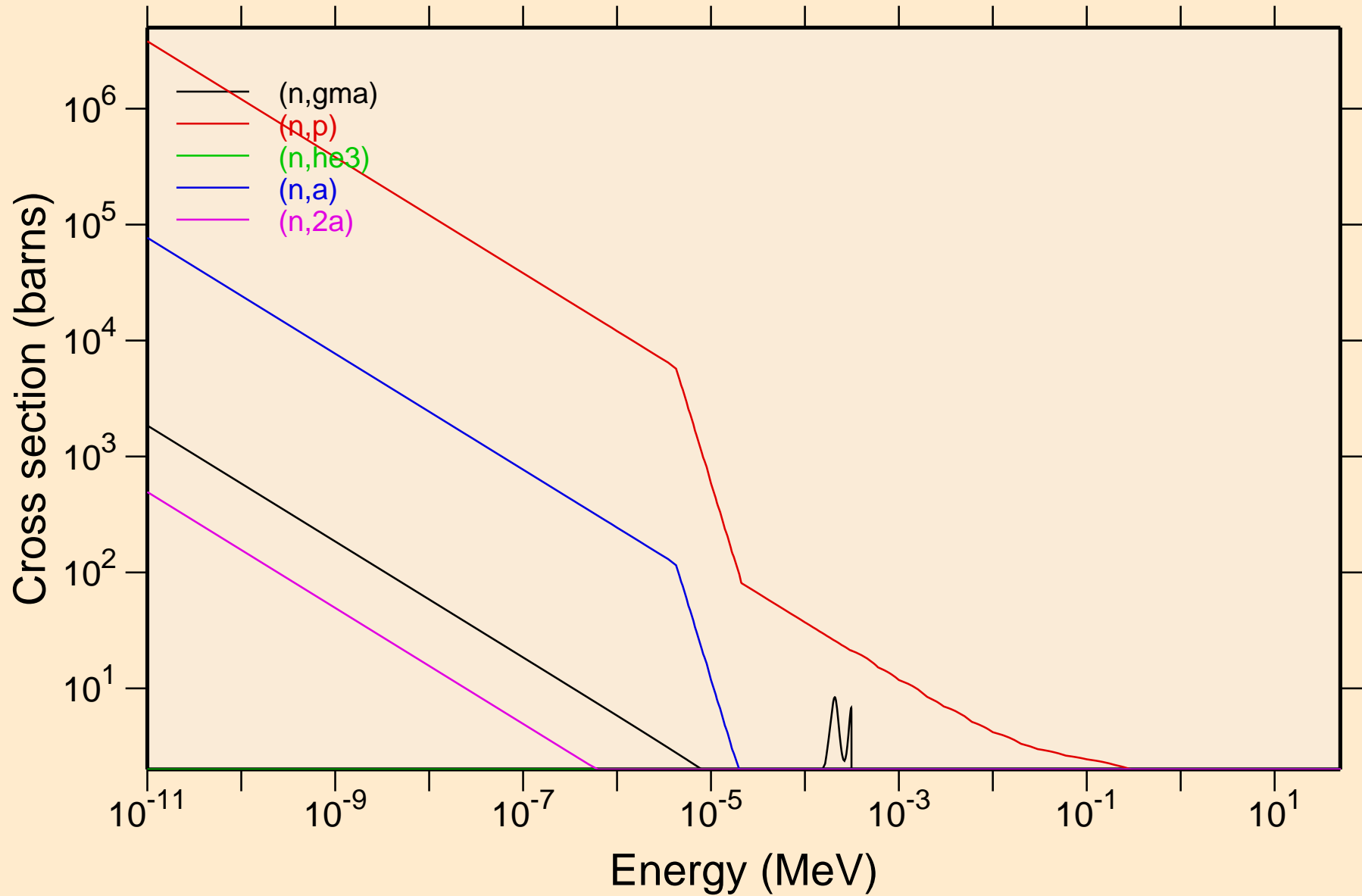
# XE112 NRG TENDL-2015, AKONING

## Principal cross sections



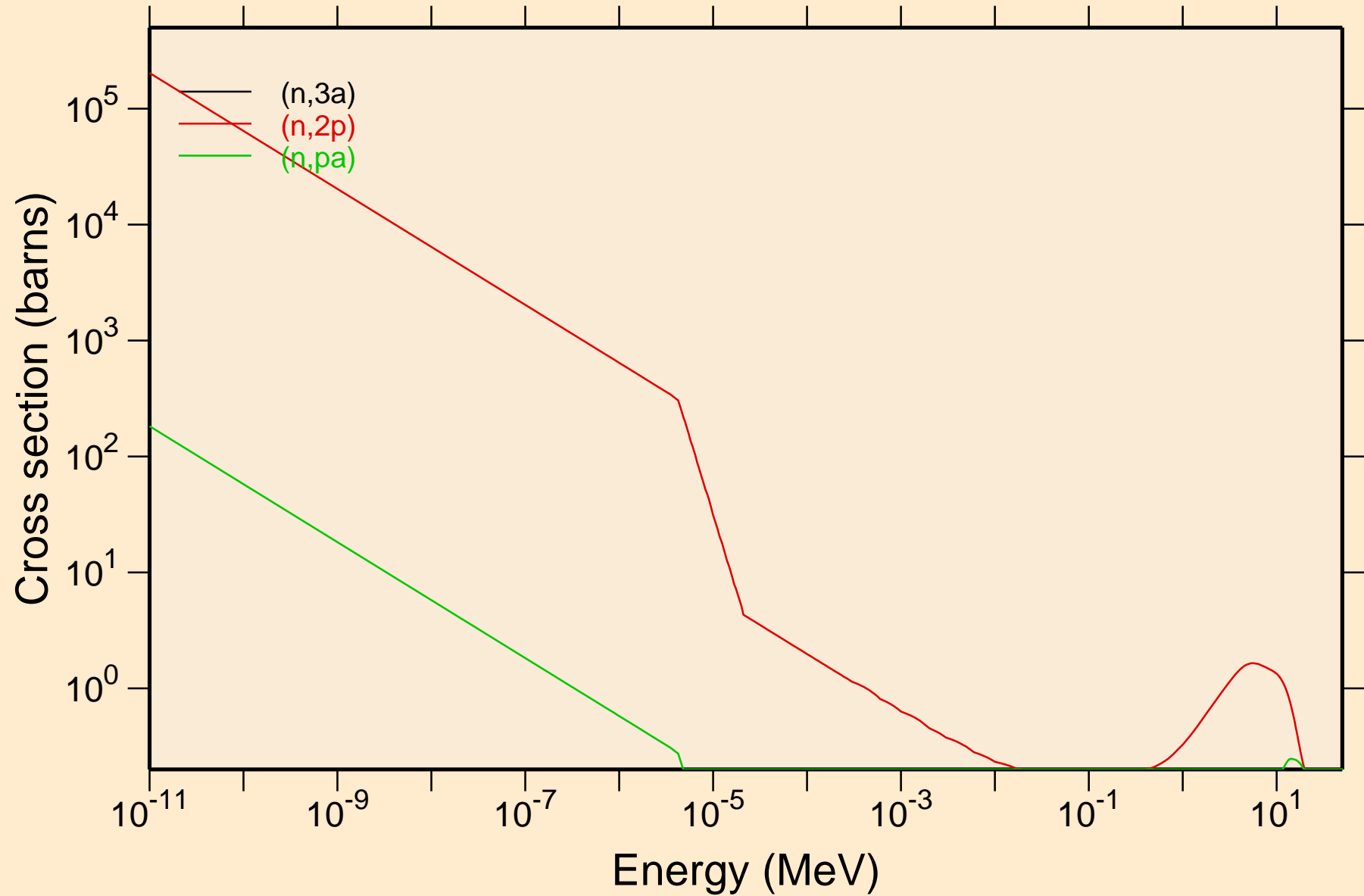
# XE112 NRG TENDL-2015, AKONING

## Non-threshold reactions



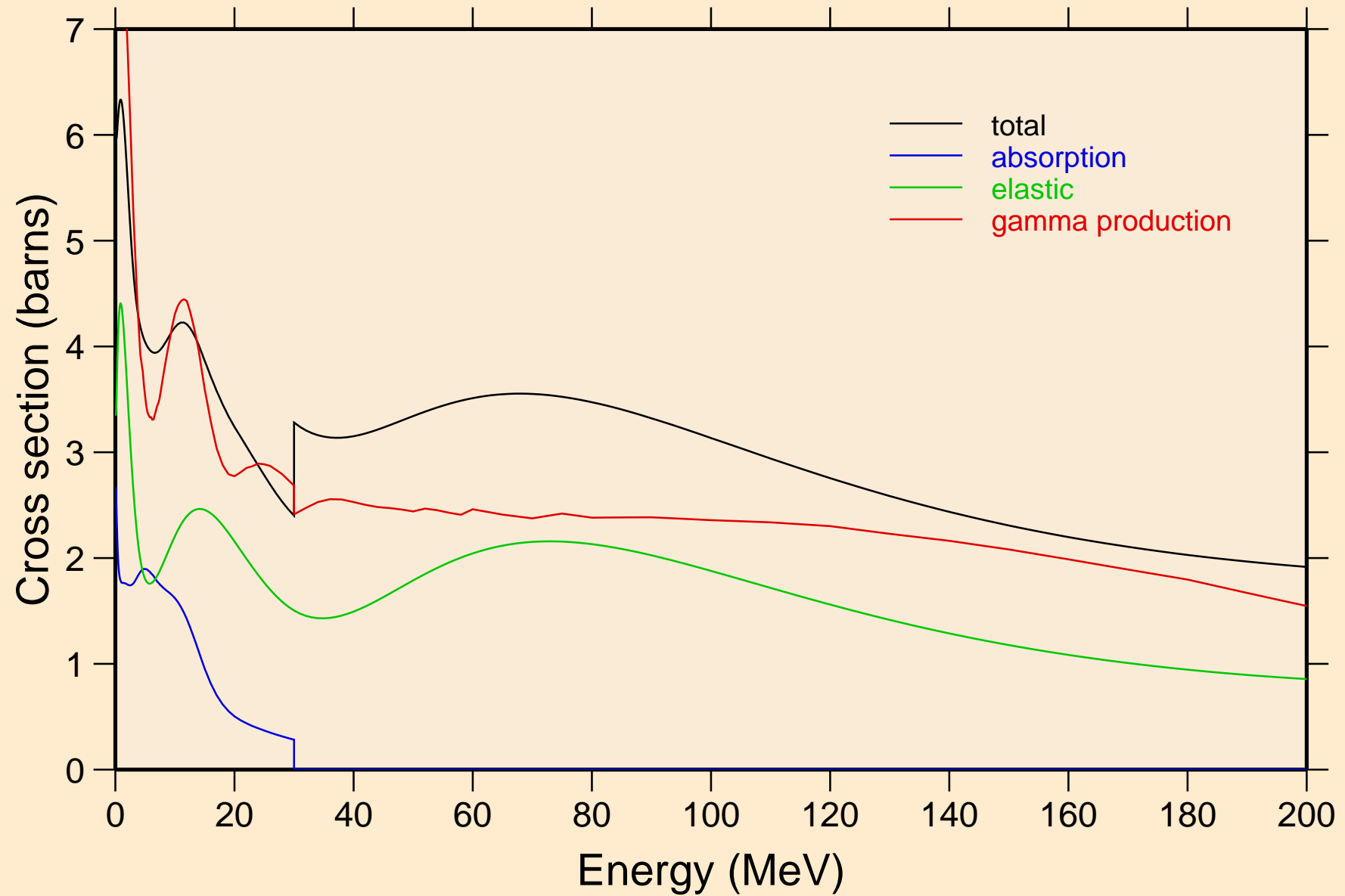
# XE112 NRG TENDL-2015, AKONING

## Non-threshold reactions



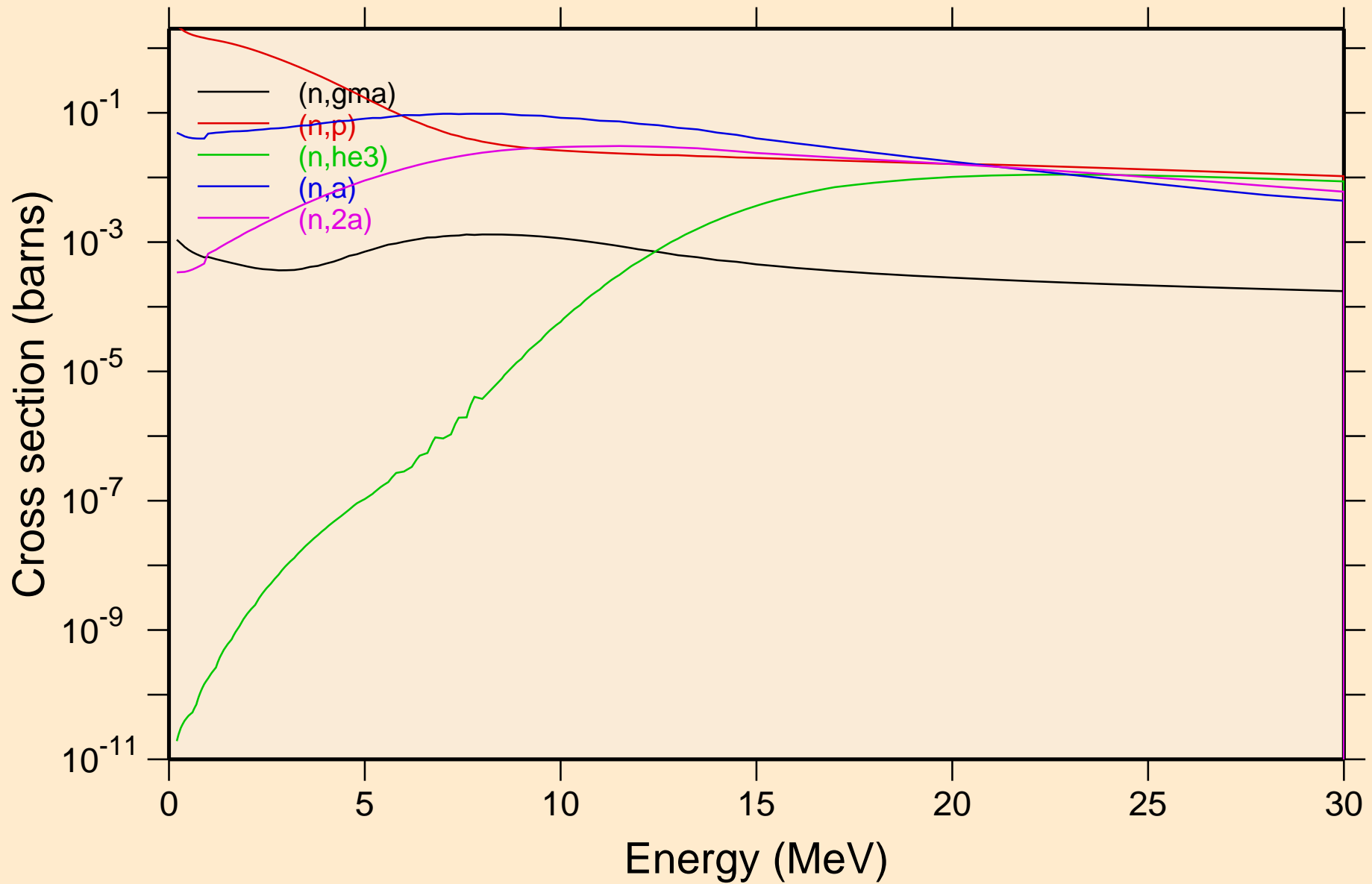
# XE112 NRG TENDL-2015, AKONING

## Principal cross sections



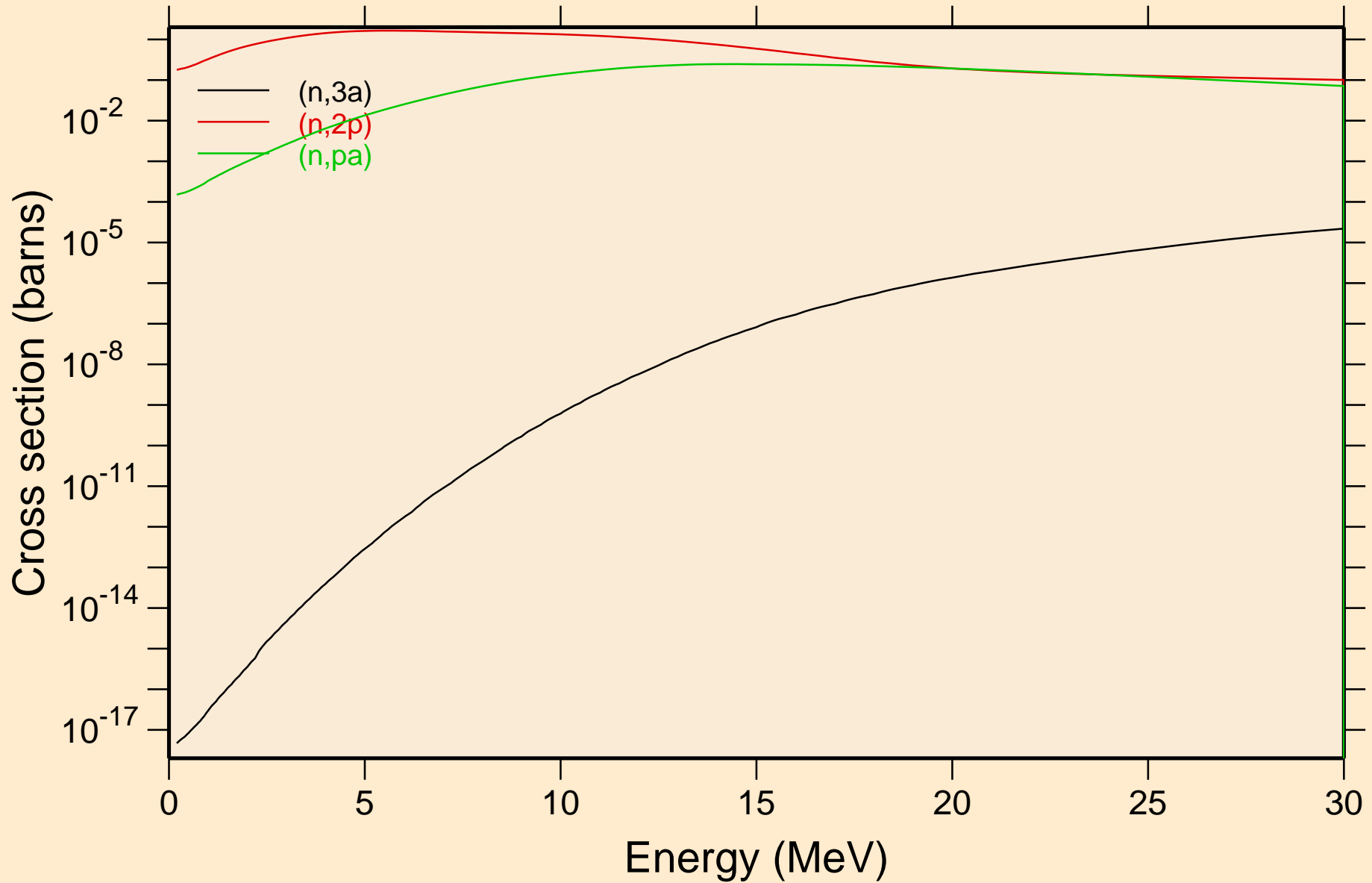
# XE112 NRG TENDL-2015, AKONING

## Non-threshold reactions

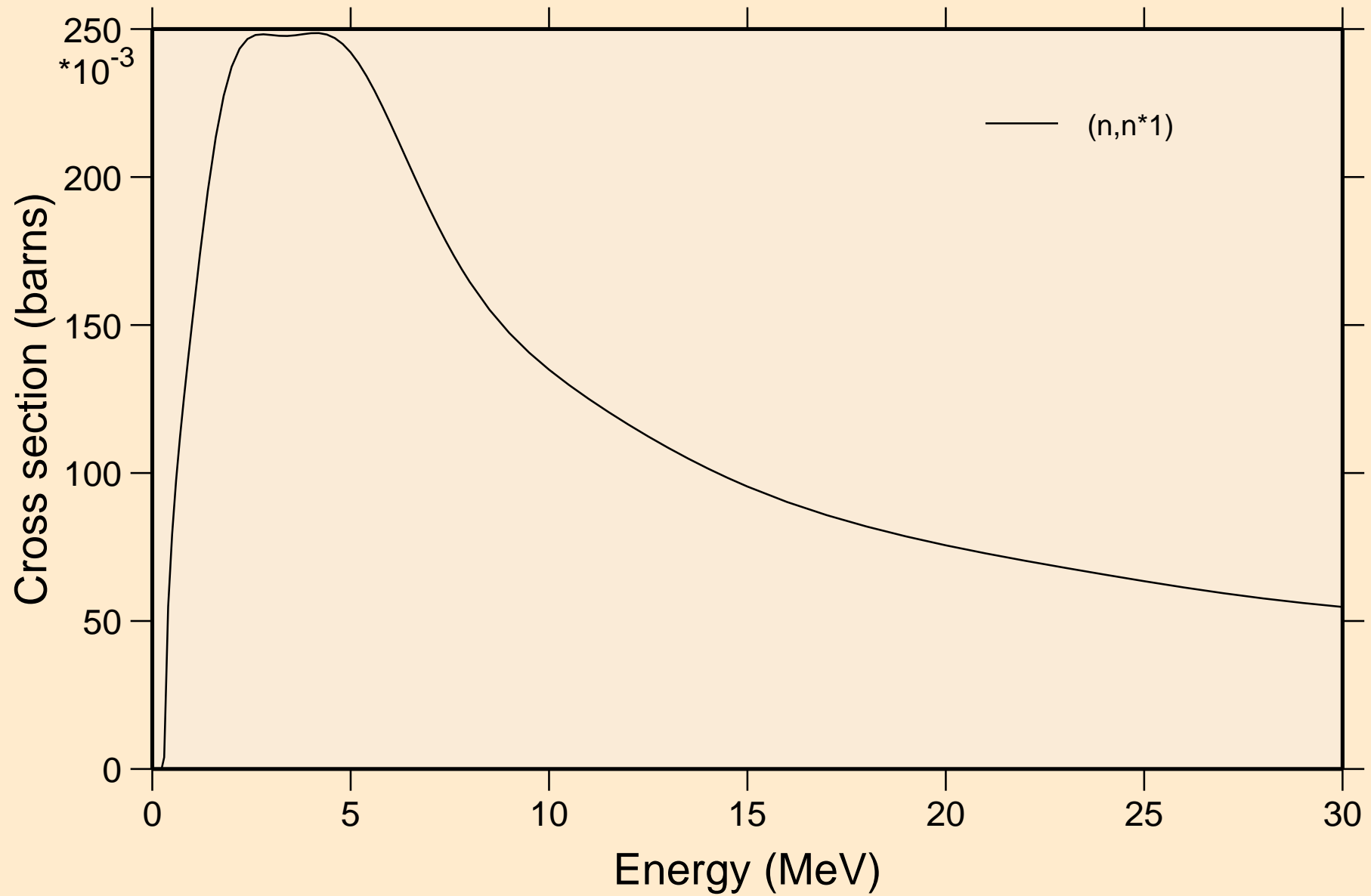


# XE112 NRG TENDL-2015, AKONING

## Non-threshold reactions

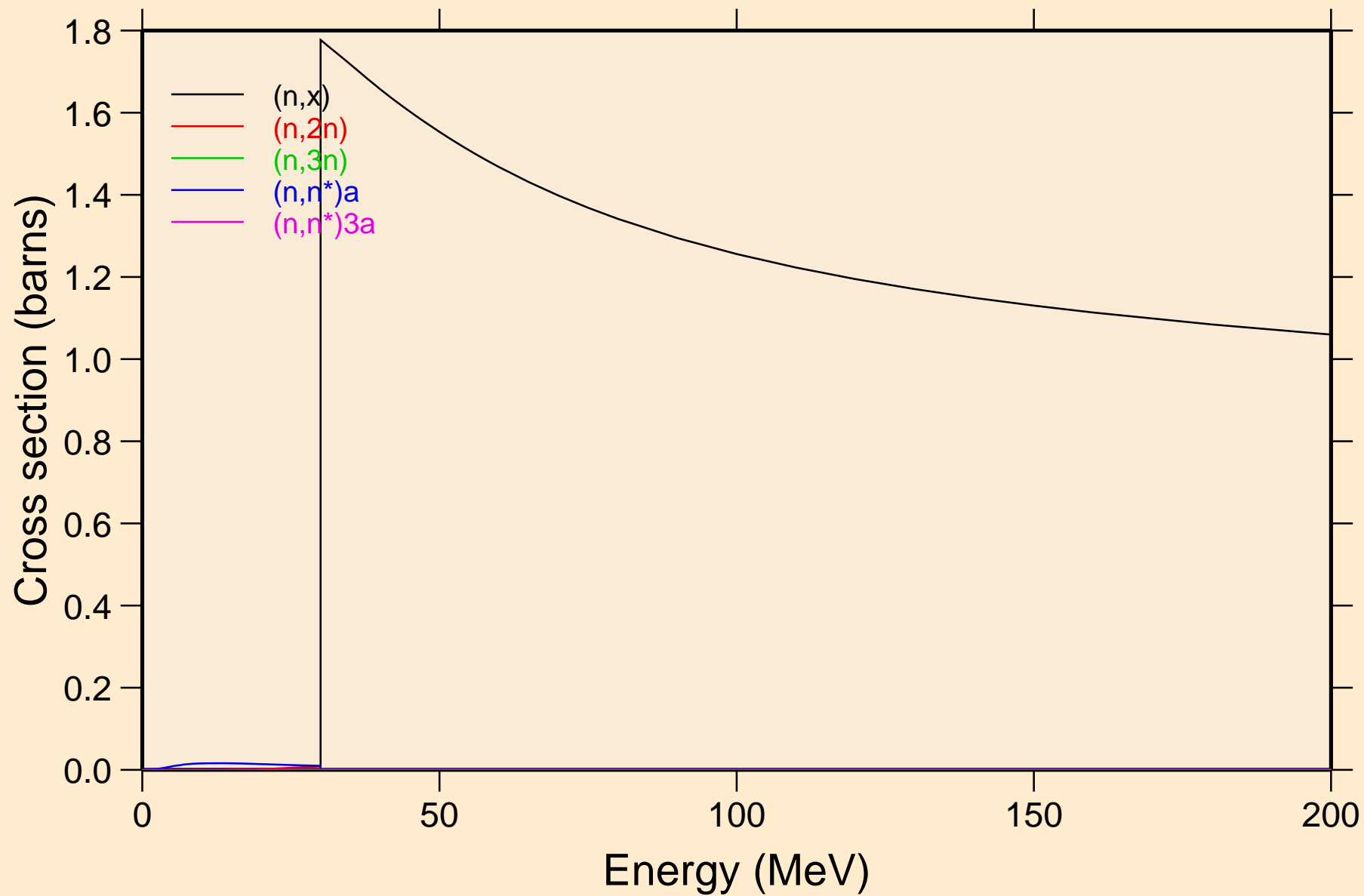


XE112 NRG TENDL-2015, AKONING  
Inelastic levels



# XE112 NRG TENDL-2015, AKONING

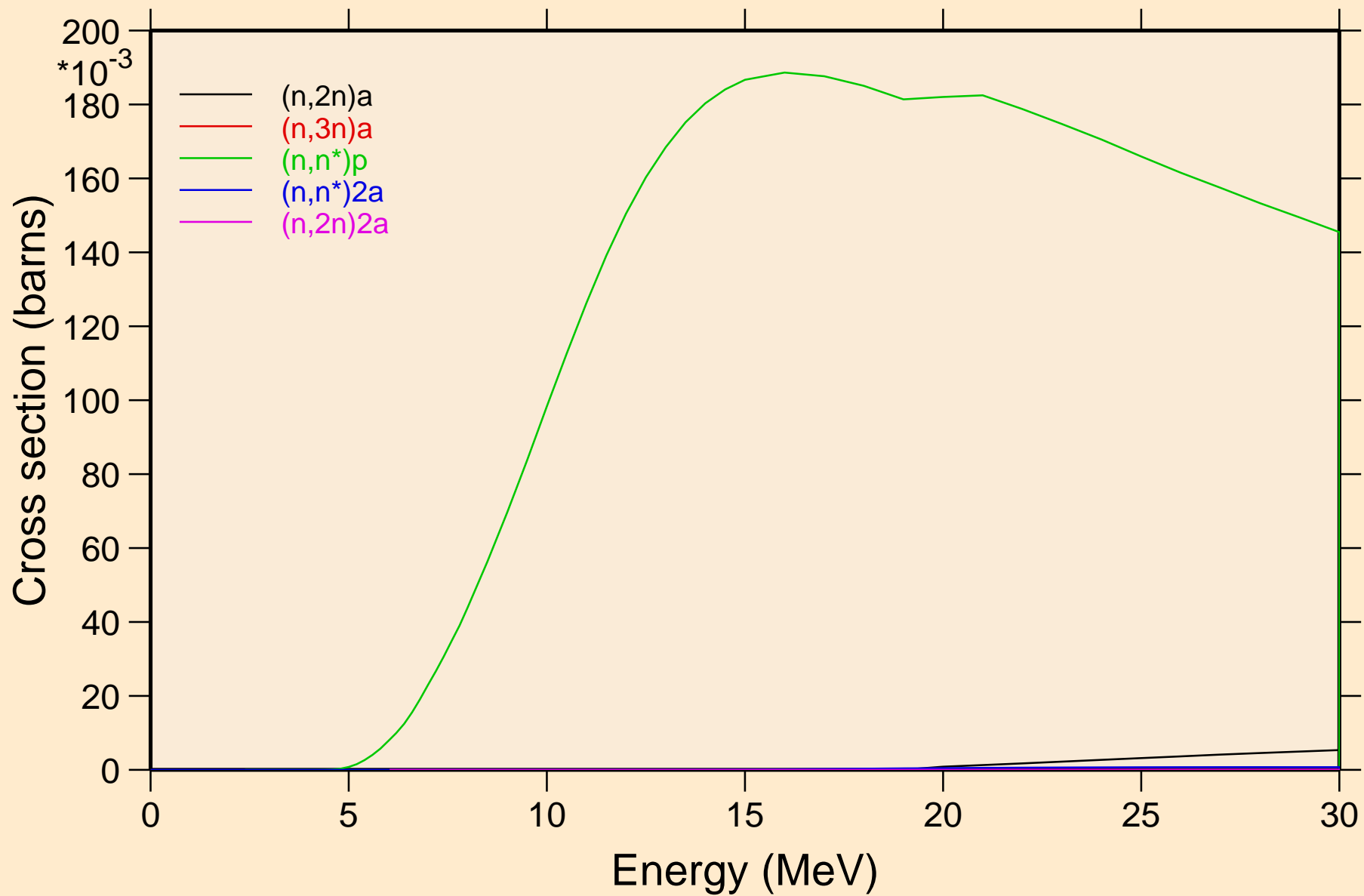
## Threshold reactions





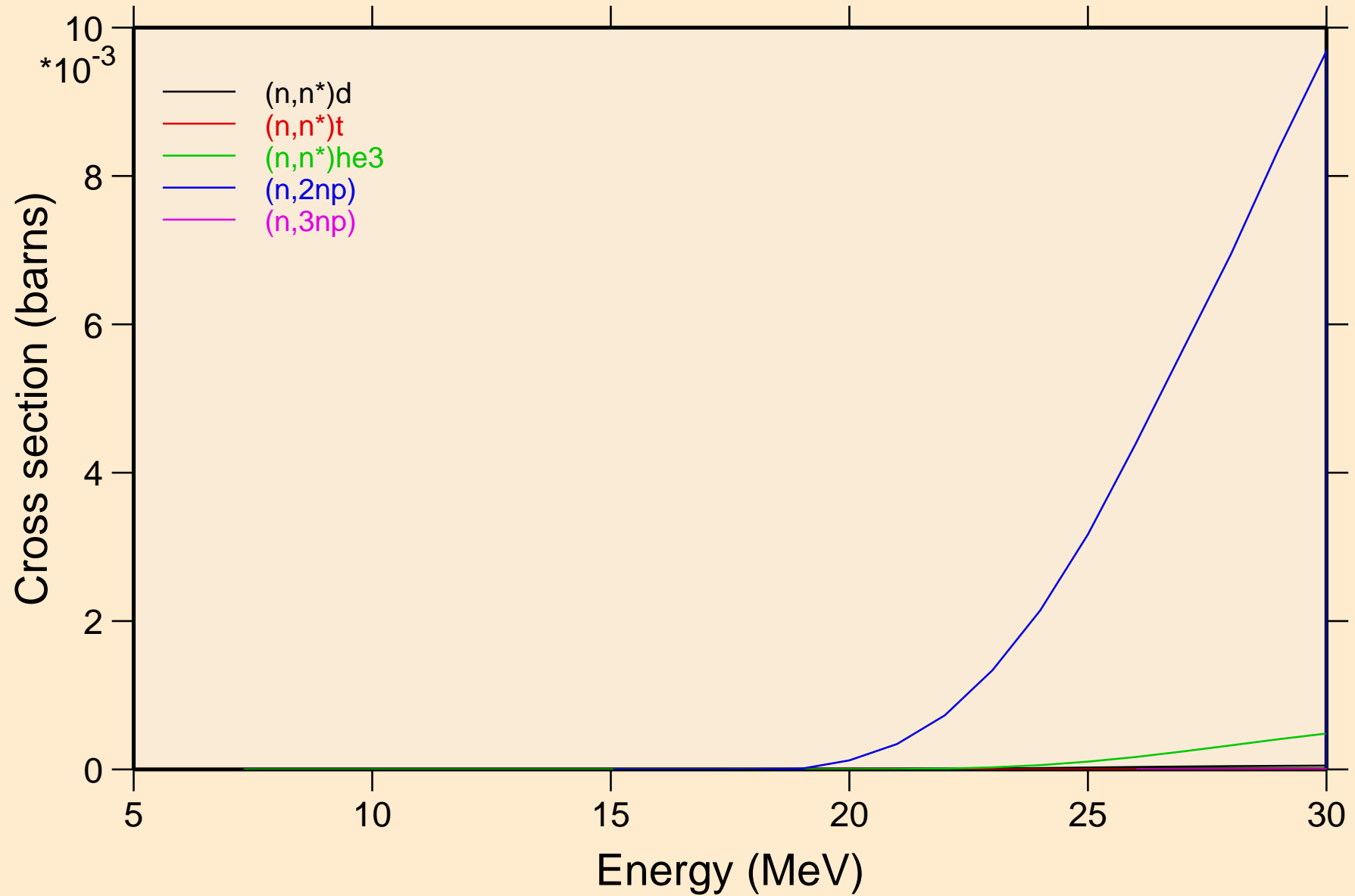
# XE112 NRG TENDL-2015, AKONING

## Threshold reactions



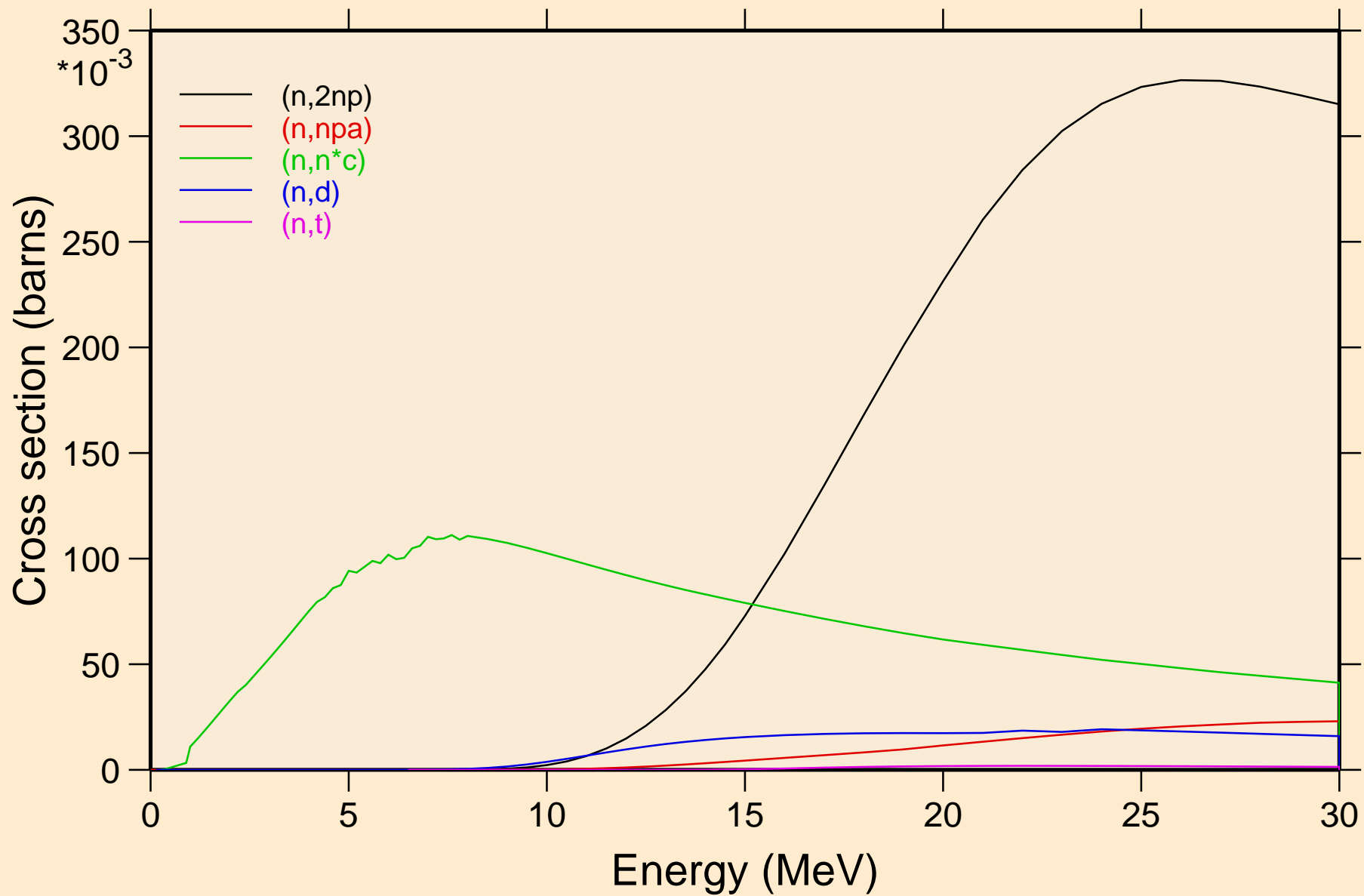
# XE112 NRG TENDL-2015, AKONING

## Threshold reactions



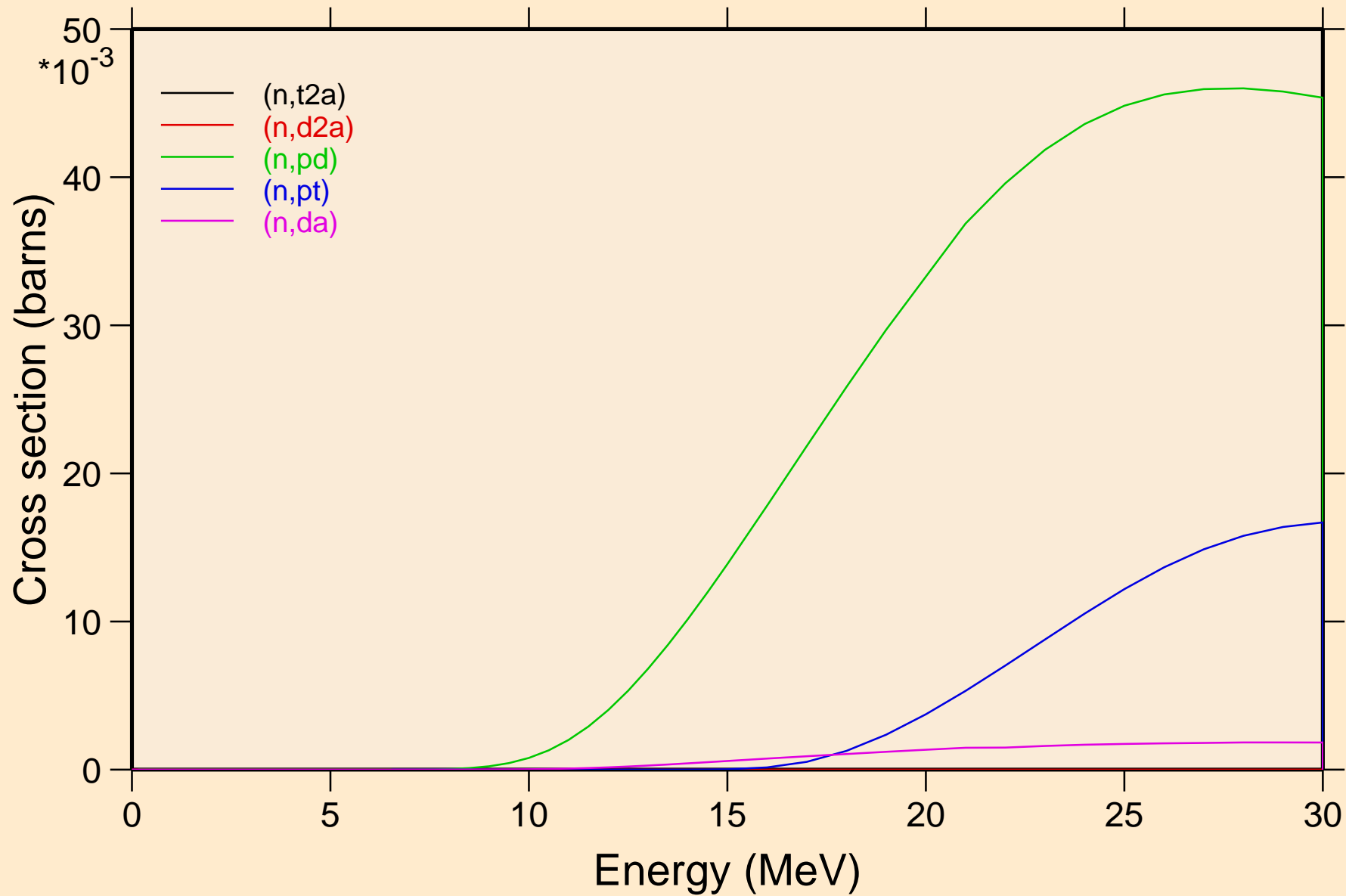
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## Threshold reactions

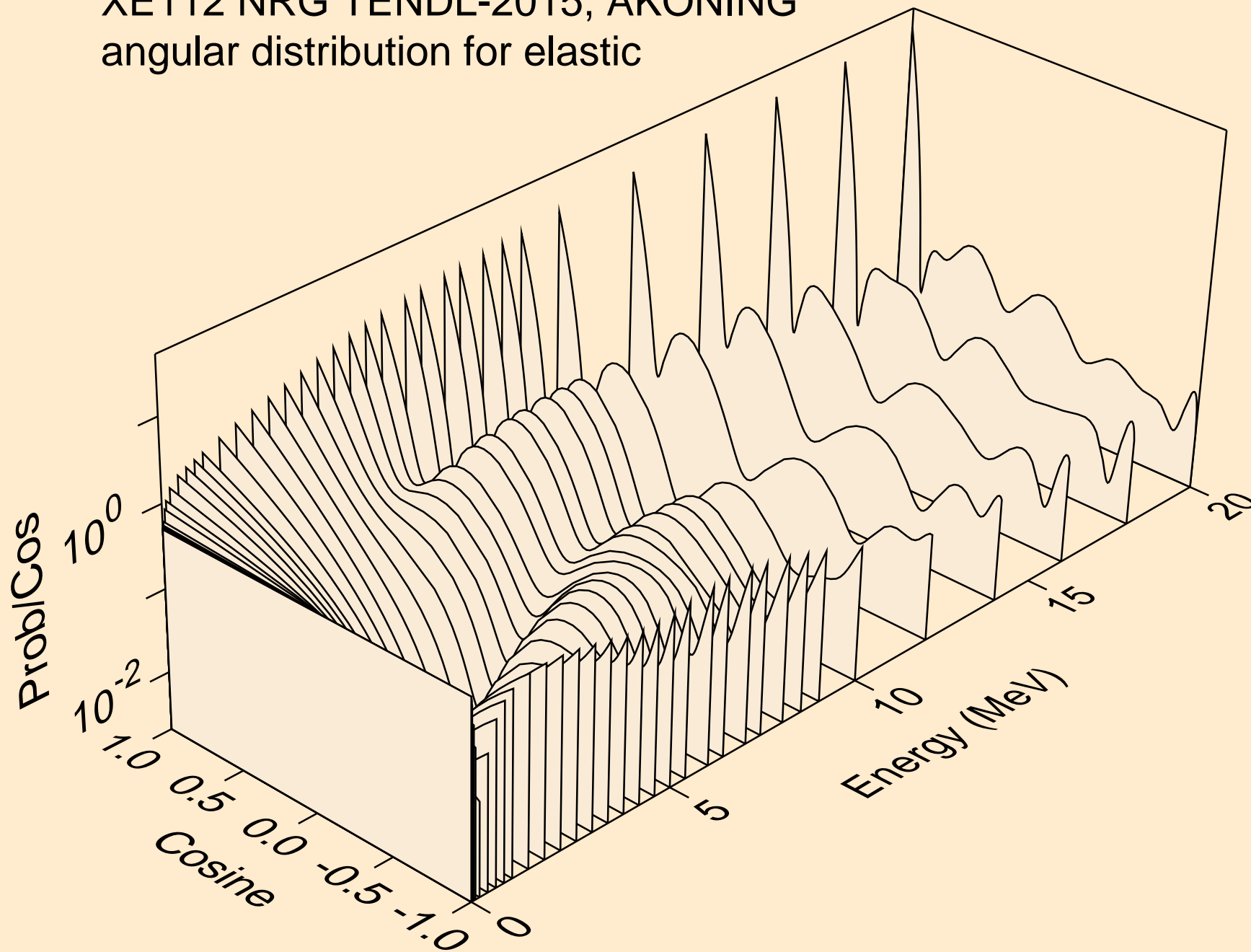


# XE112 NRG TENDL-2015, AKONING

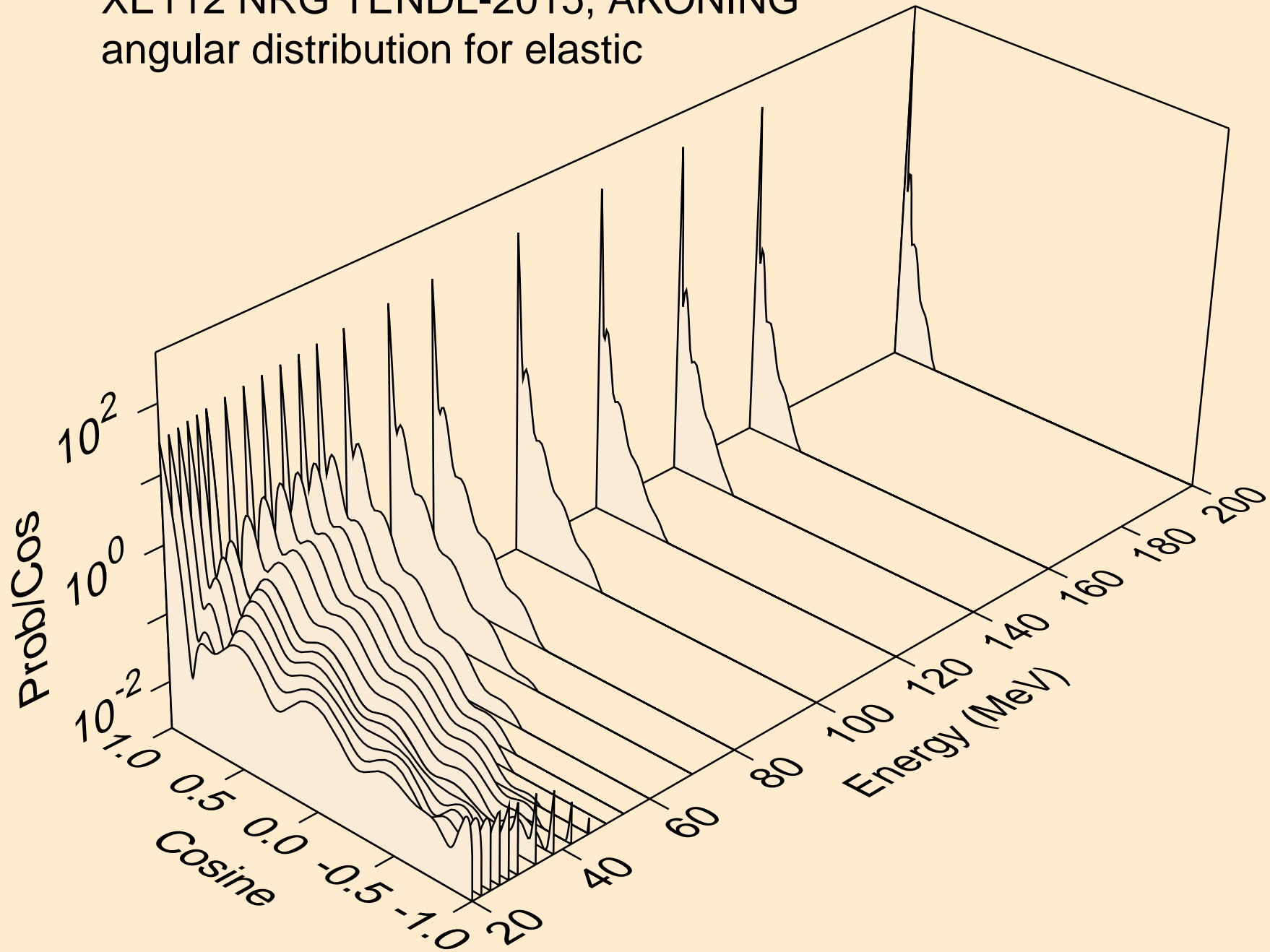
## Threshold reactions



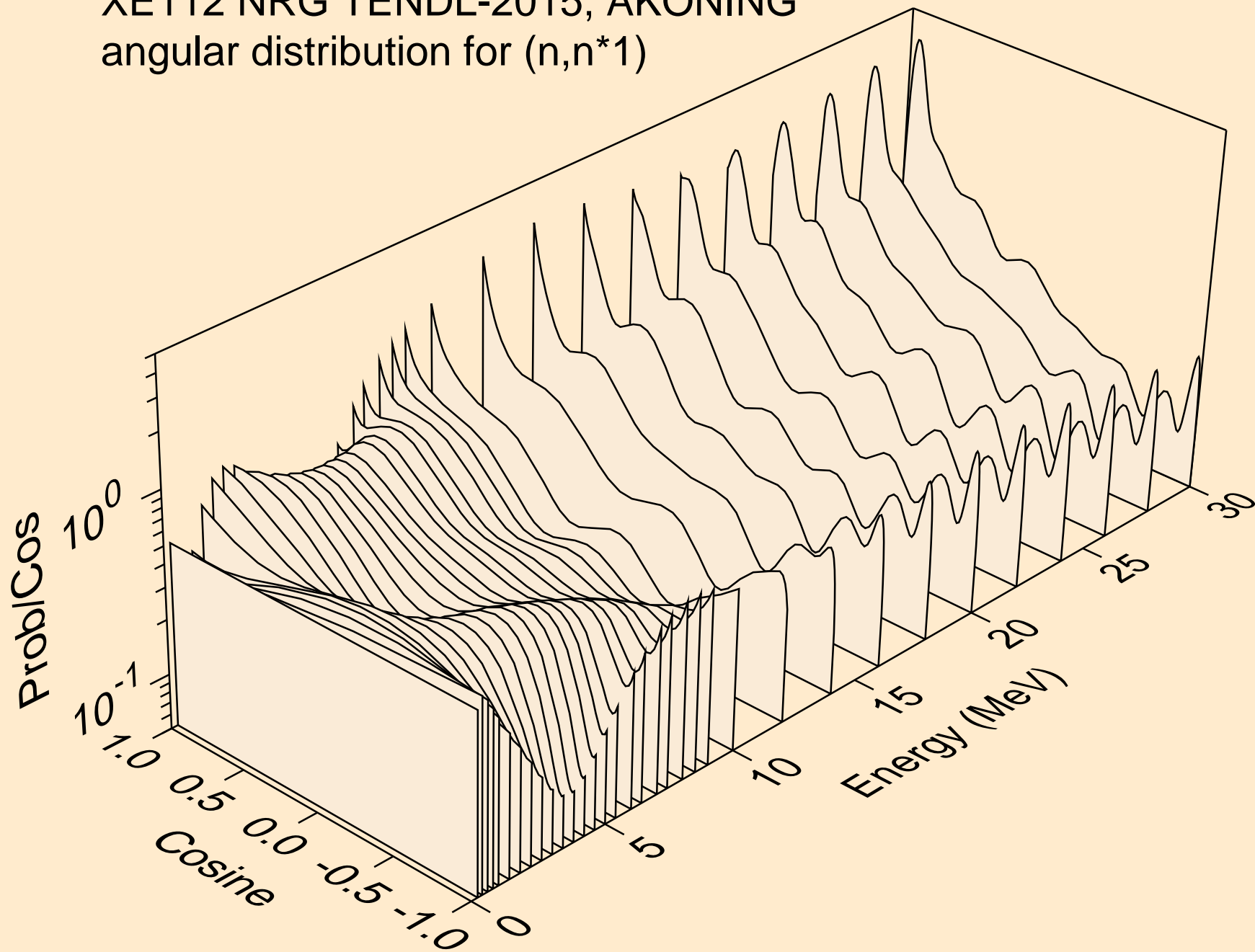
XE112 NRG TENDL-2015, AKONING  
angular distribution for elastic



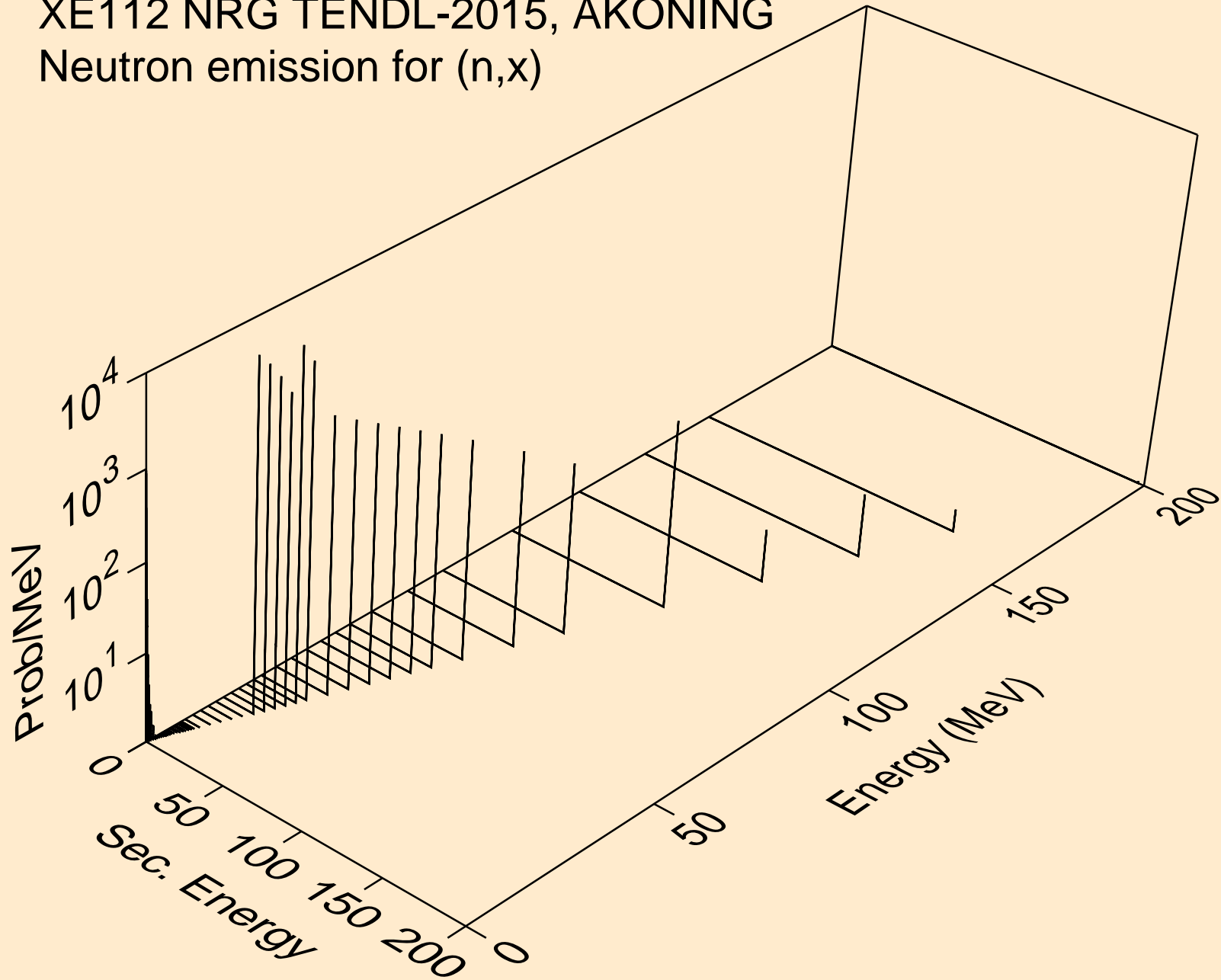
XE112 NRG TENDL-2015, AKONING  
angular distribution for elastic



XE112 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

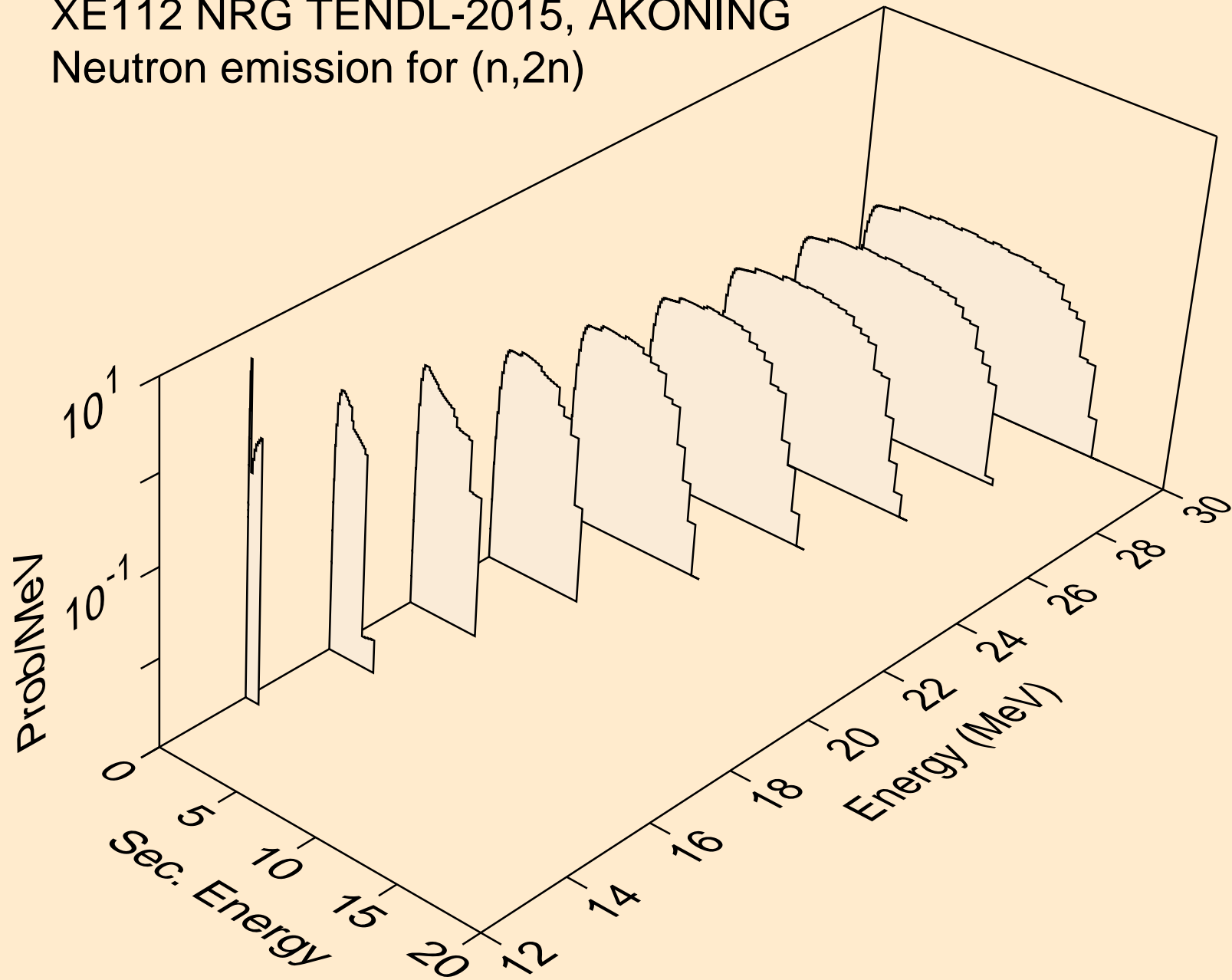


XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)

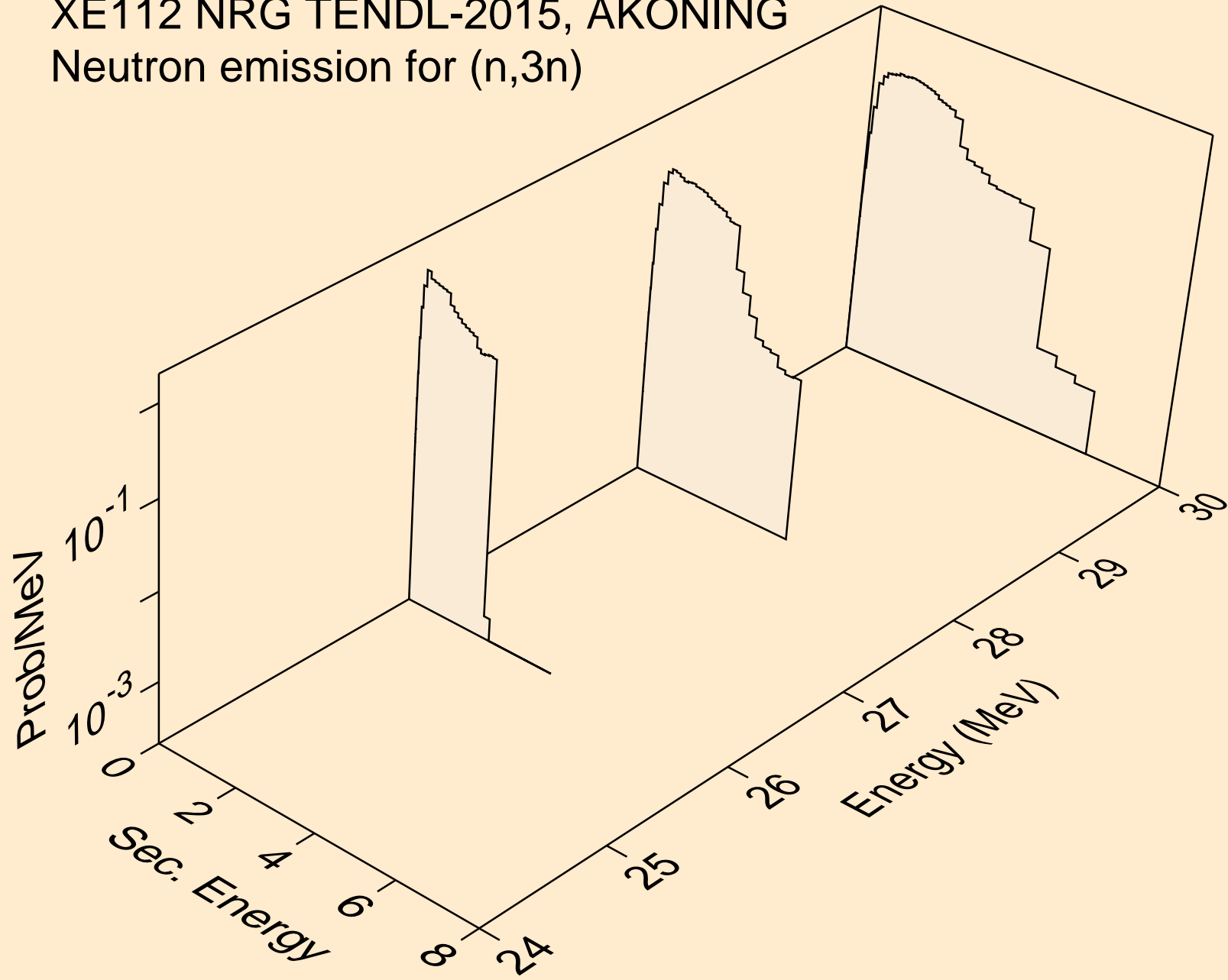




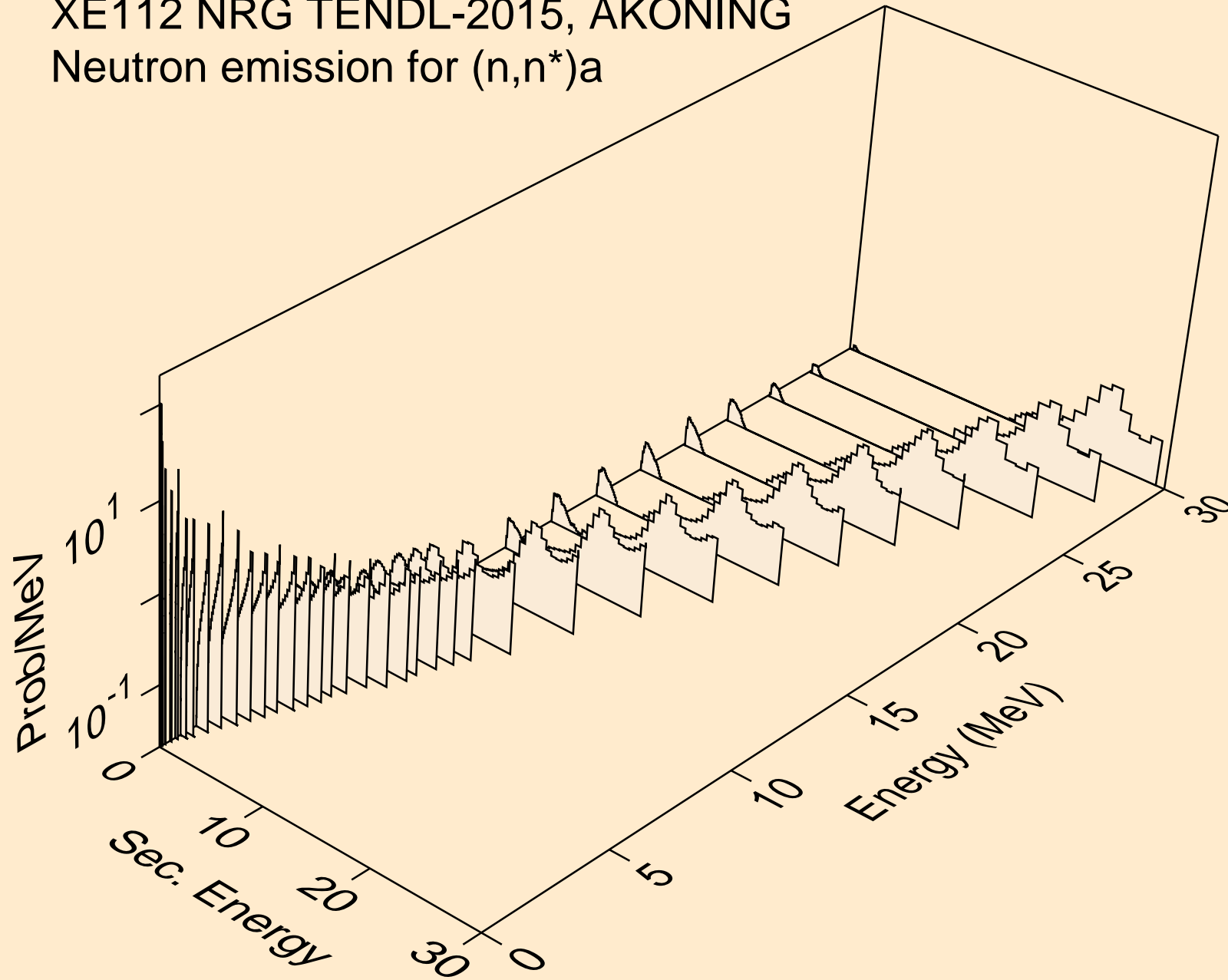
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



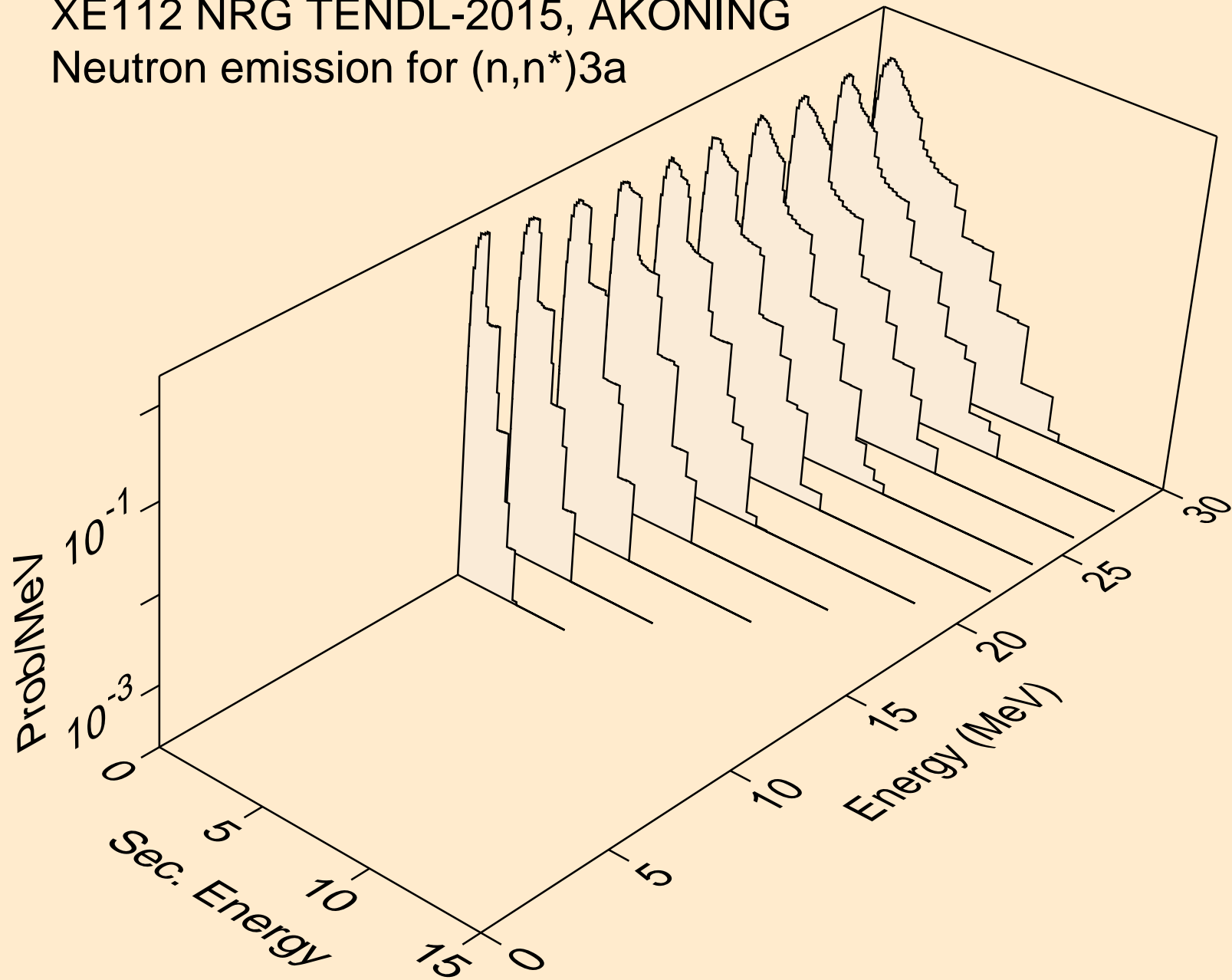
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



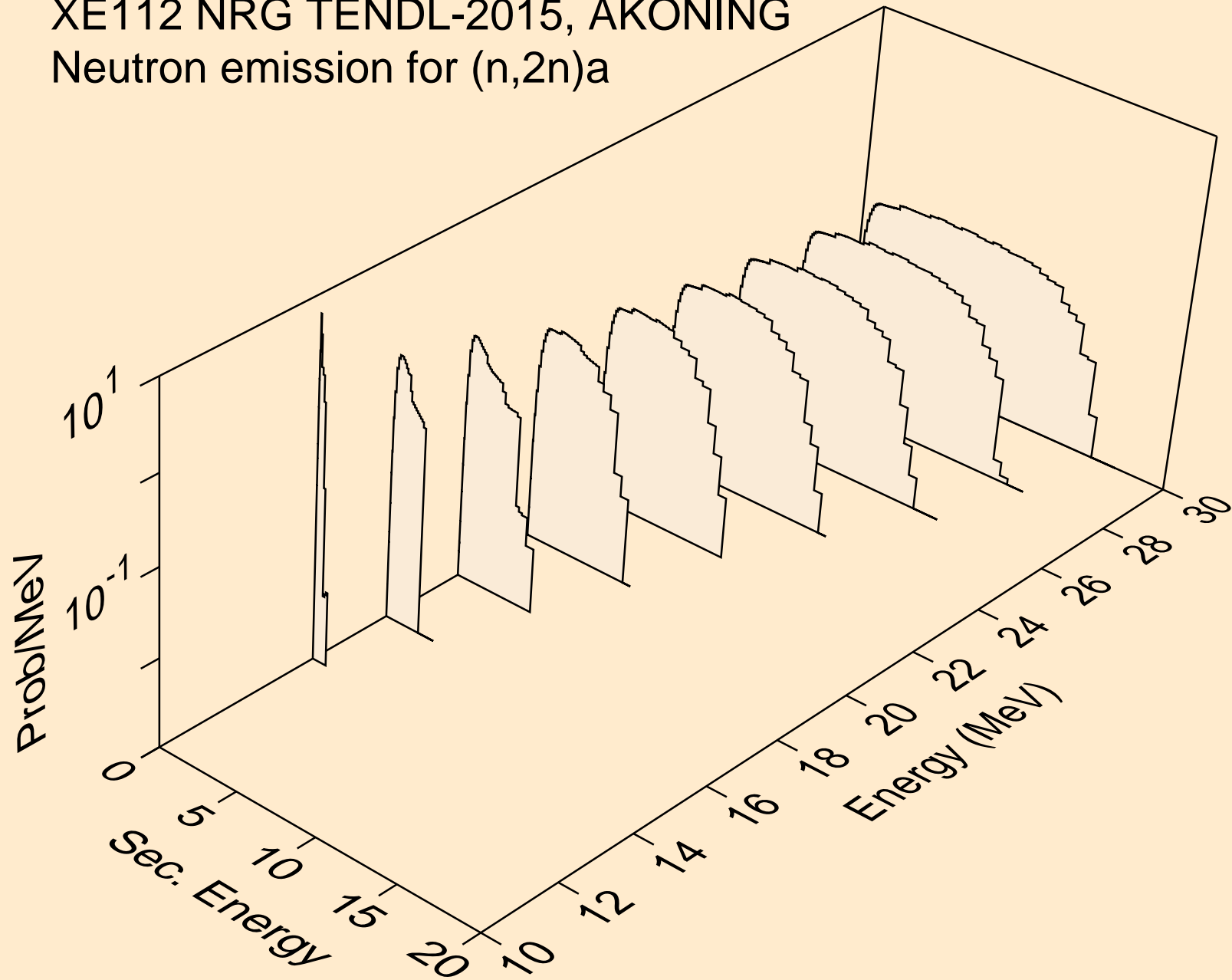
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



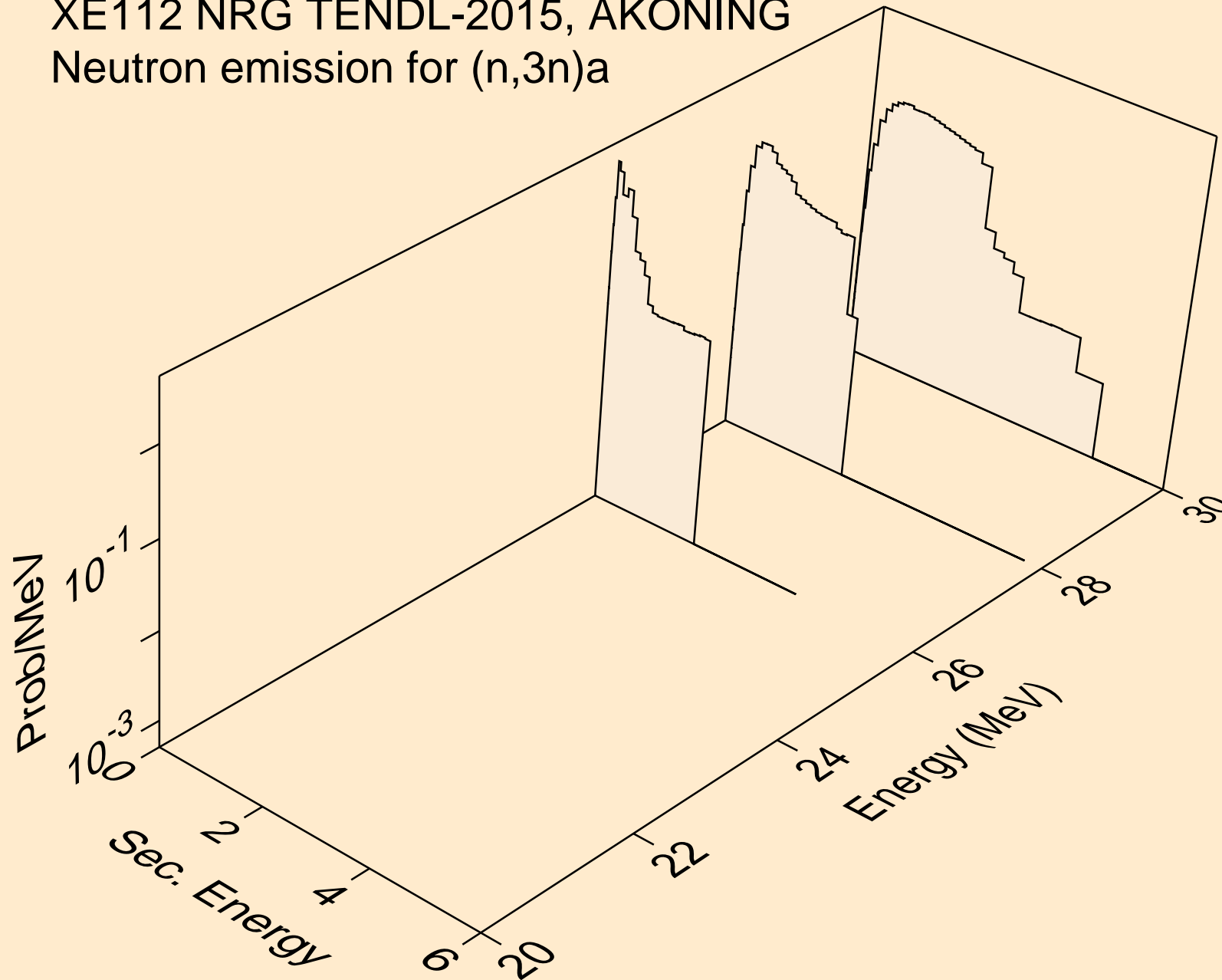
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Neutron emission for (n,n\*)3a



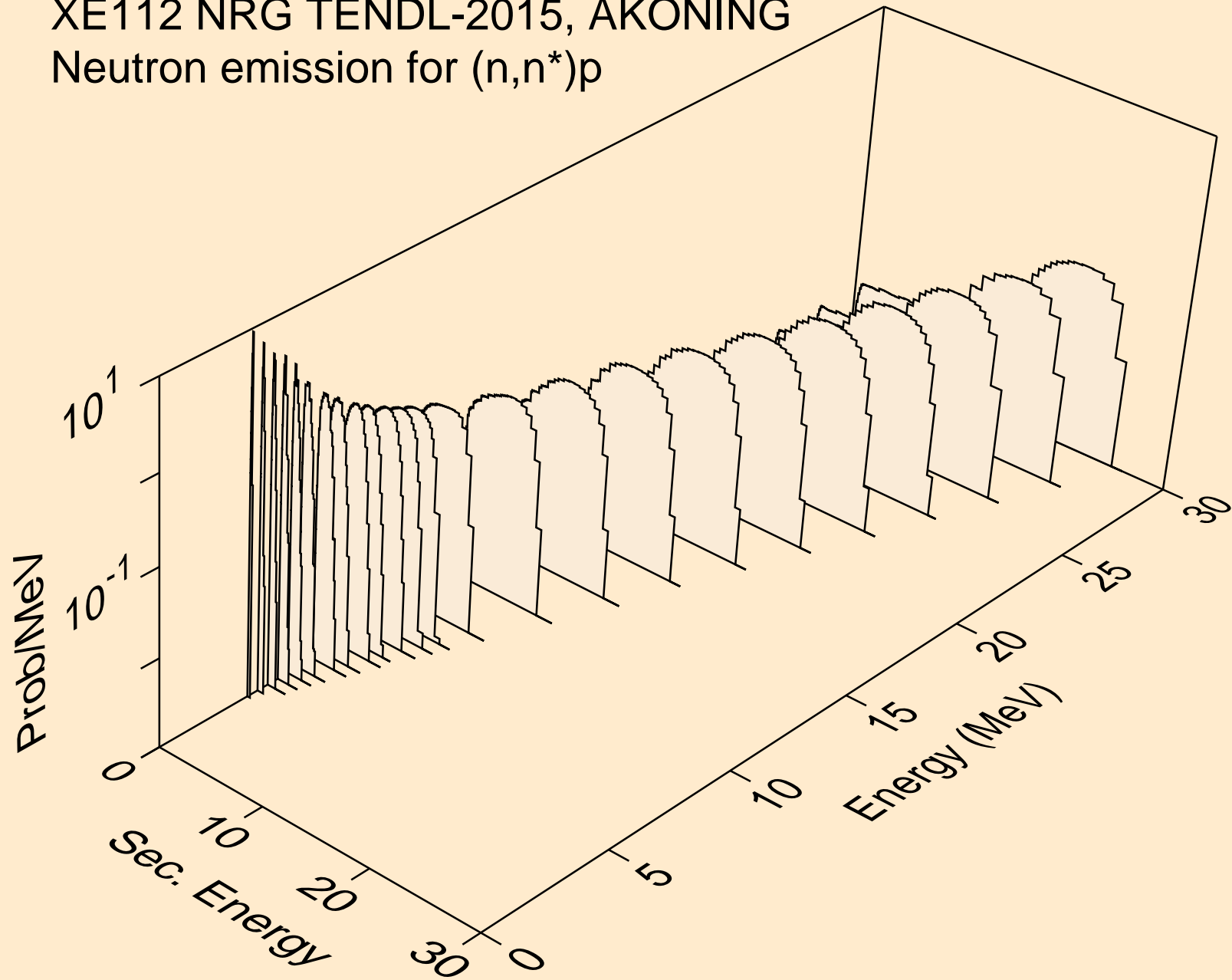
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>a</sub>



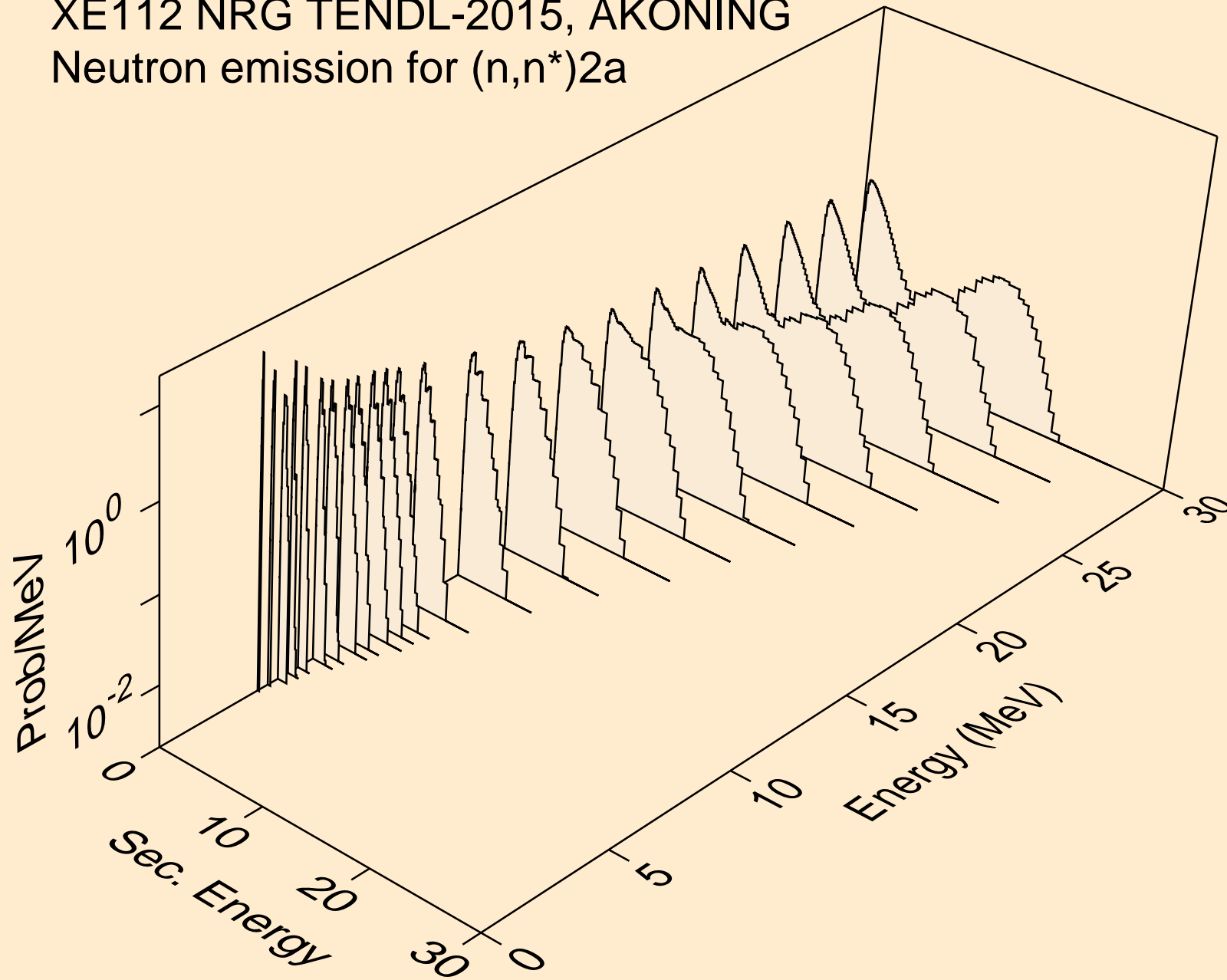
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)<sub>a</sub>



XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

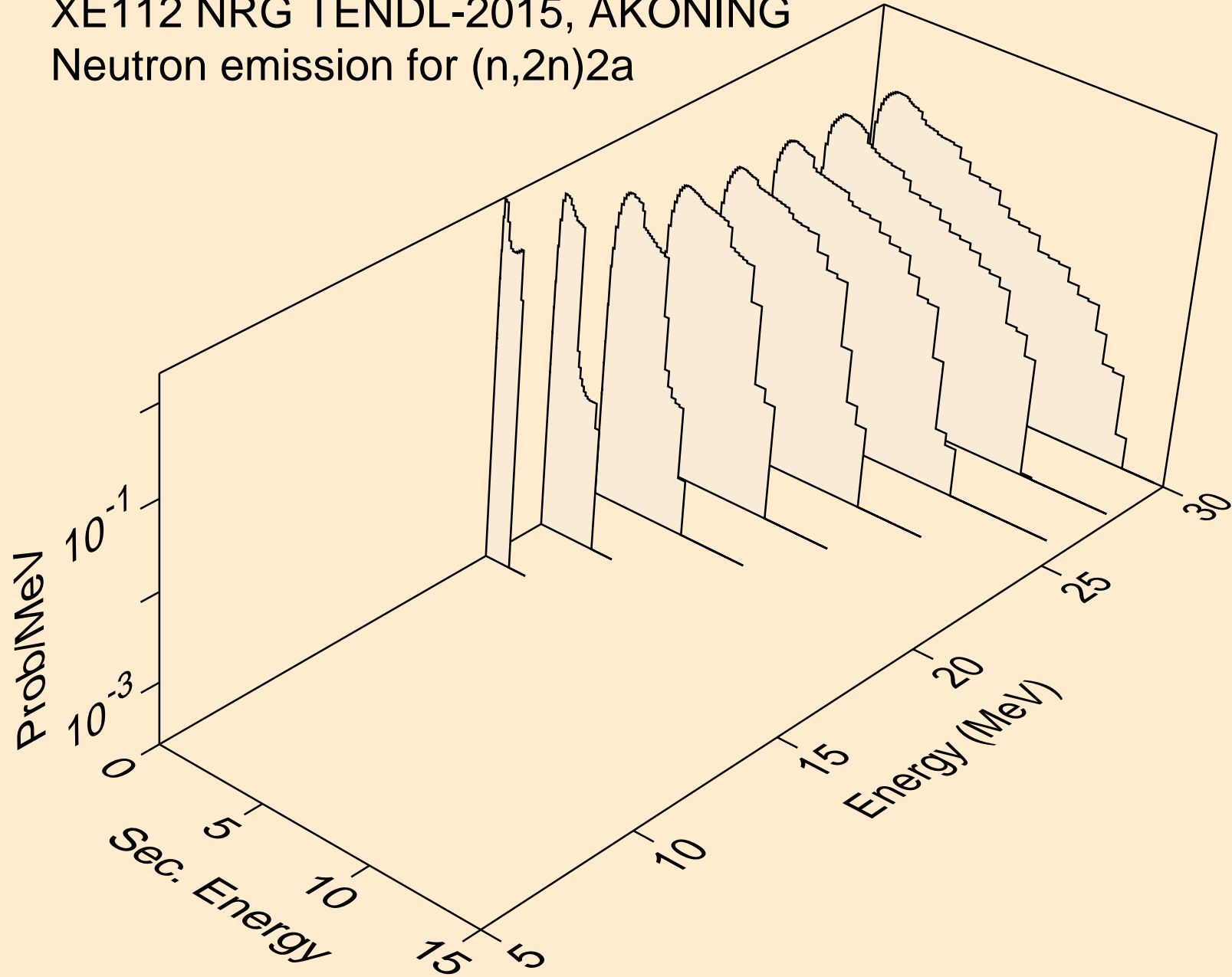


XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a

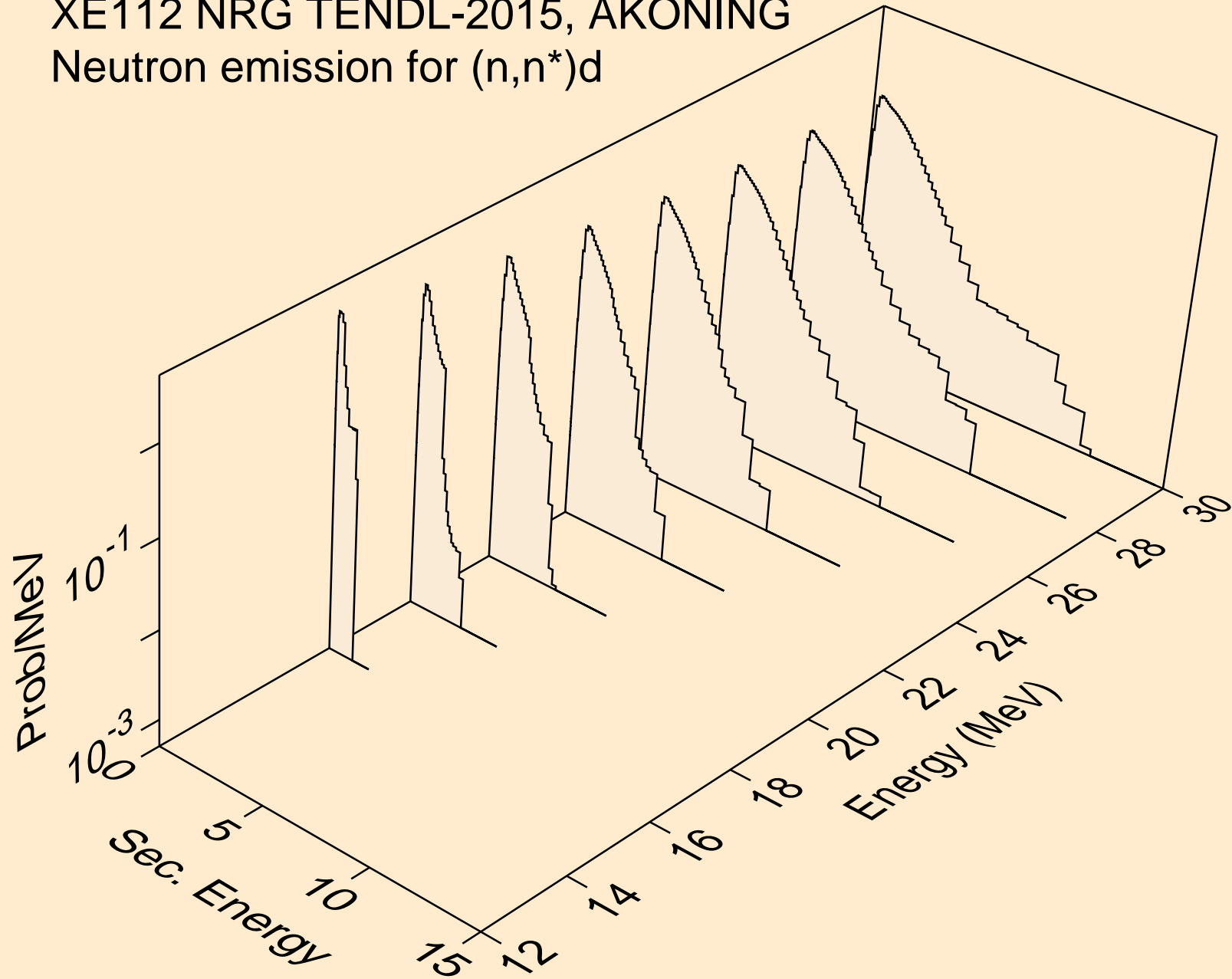




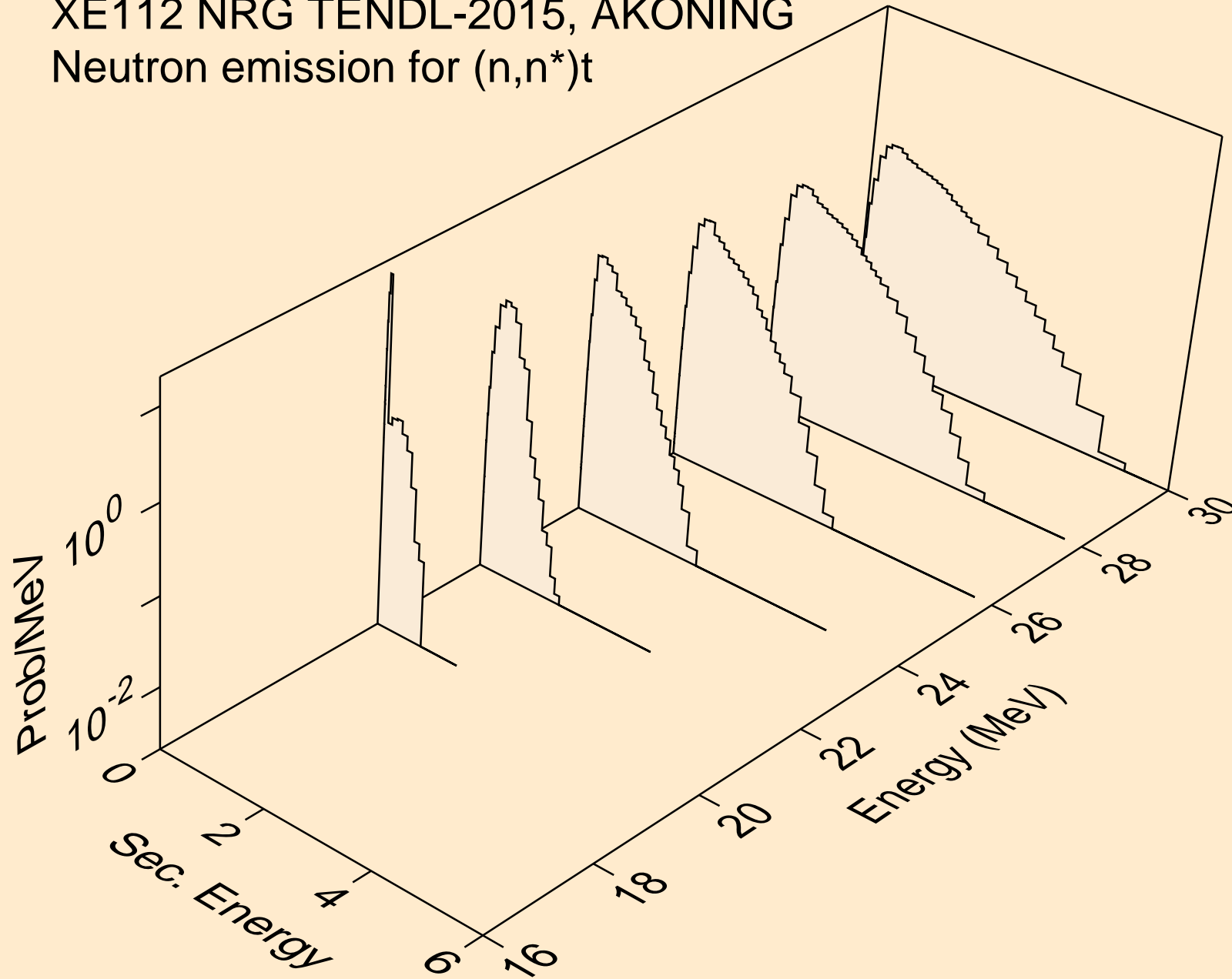
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



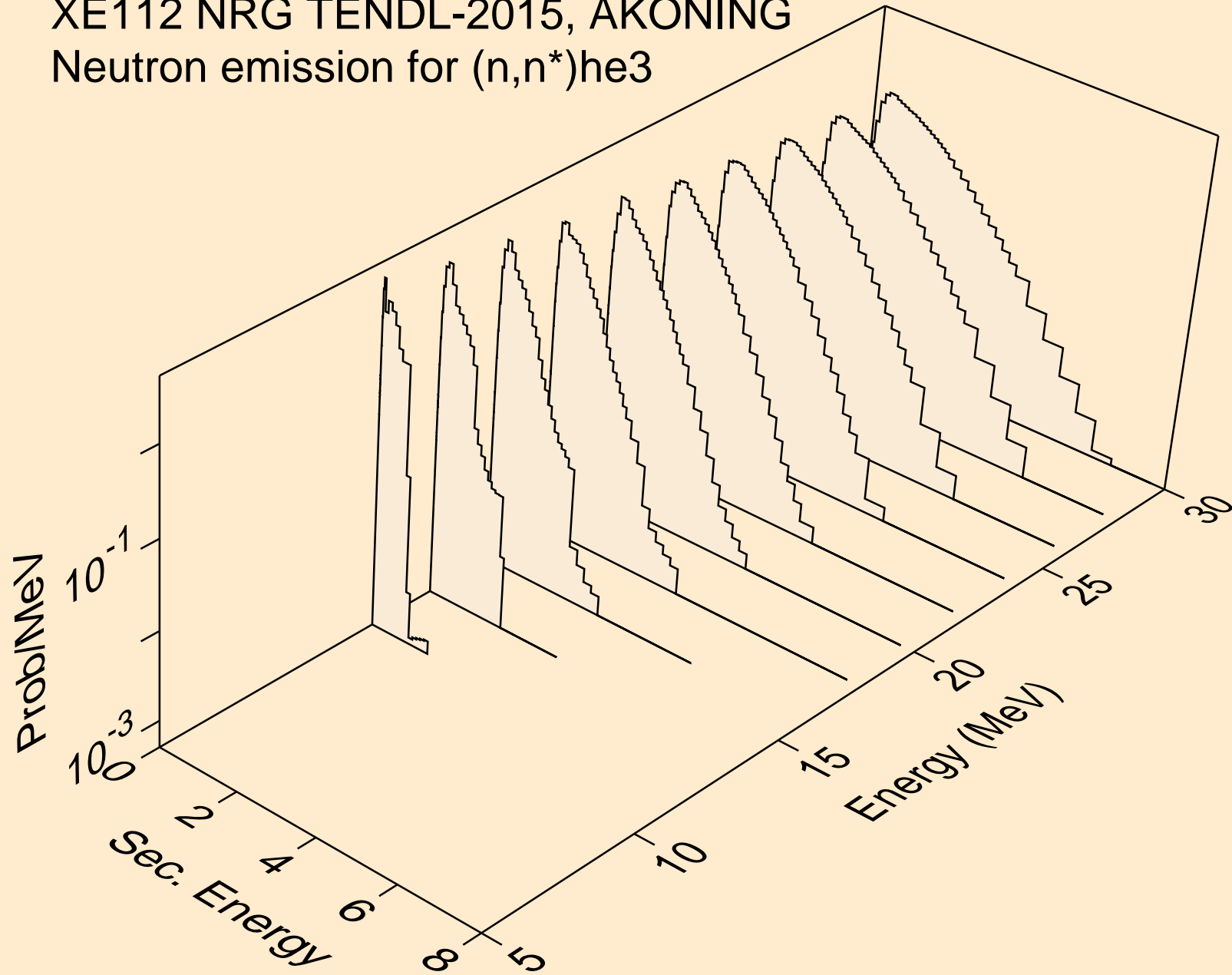
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



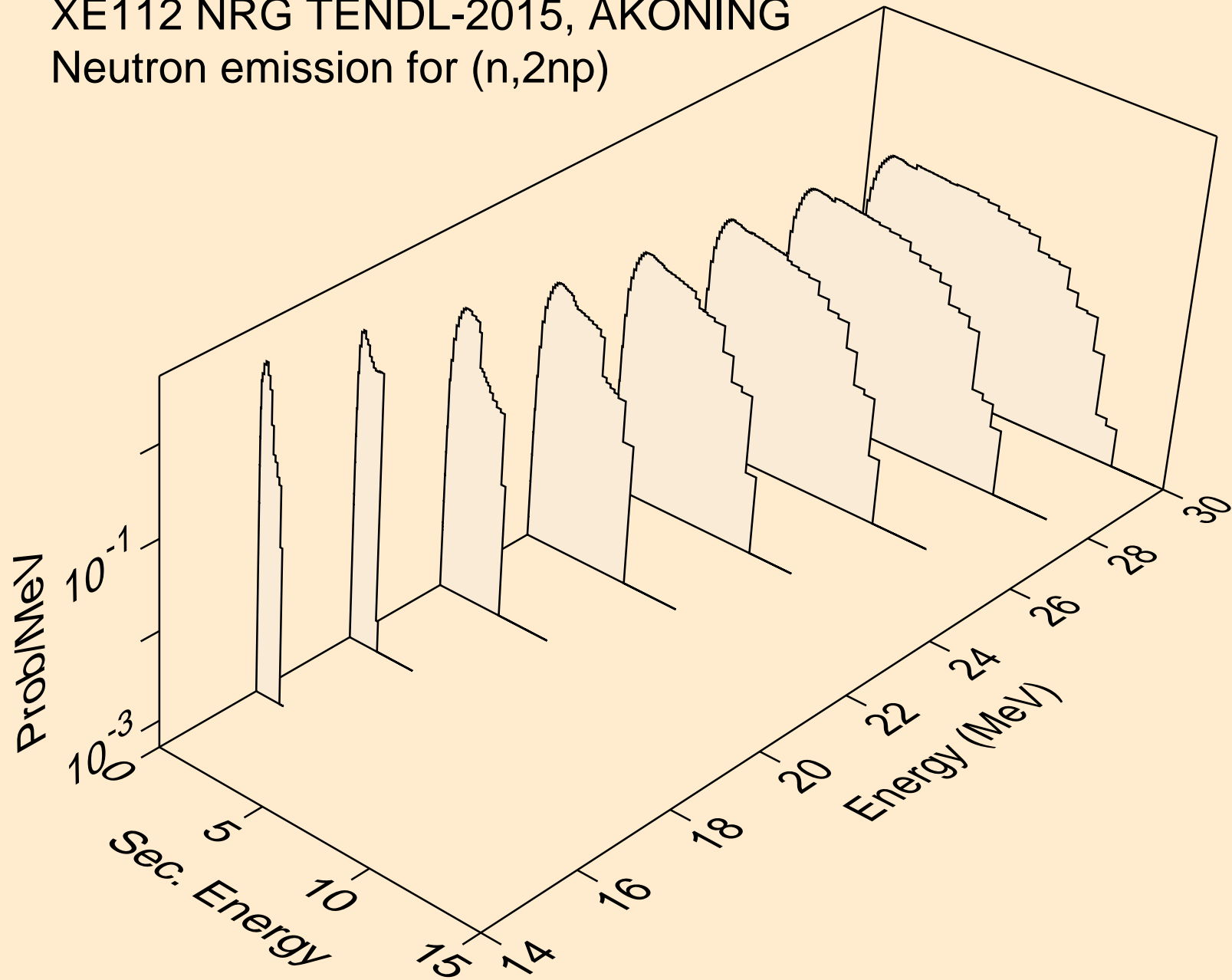
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



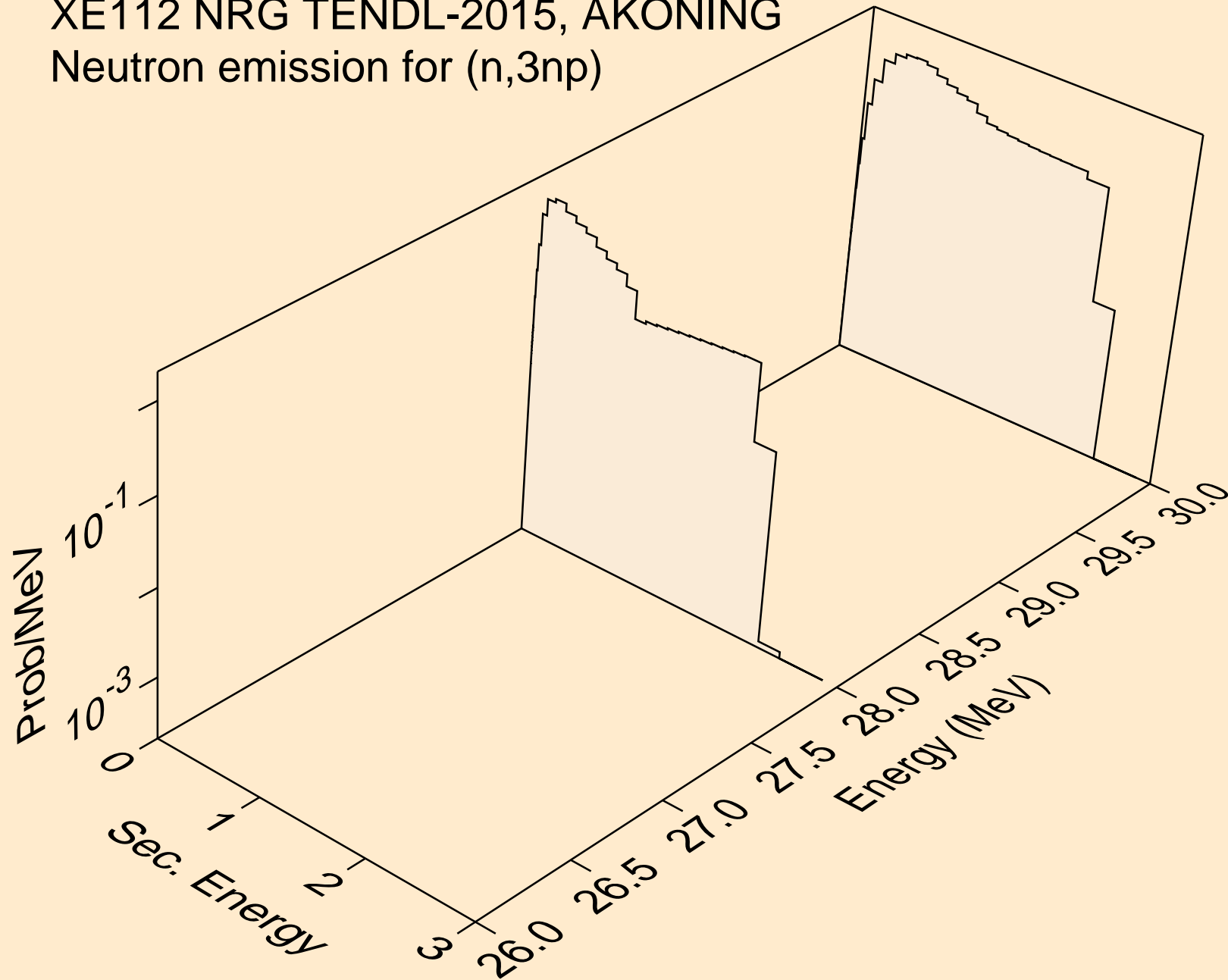
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



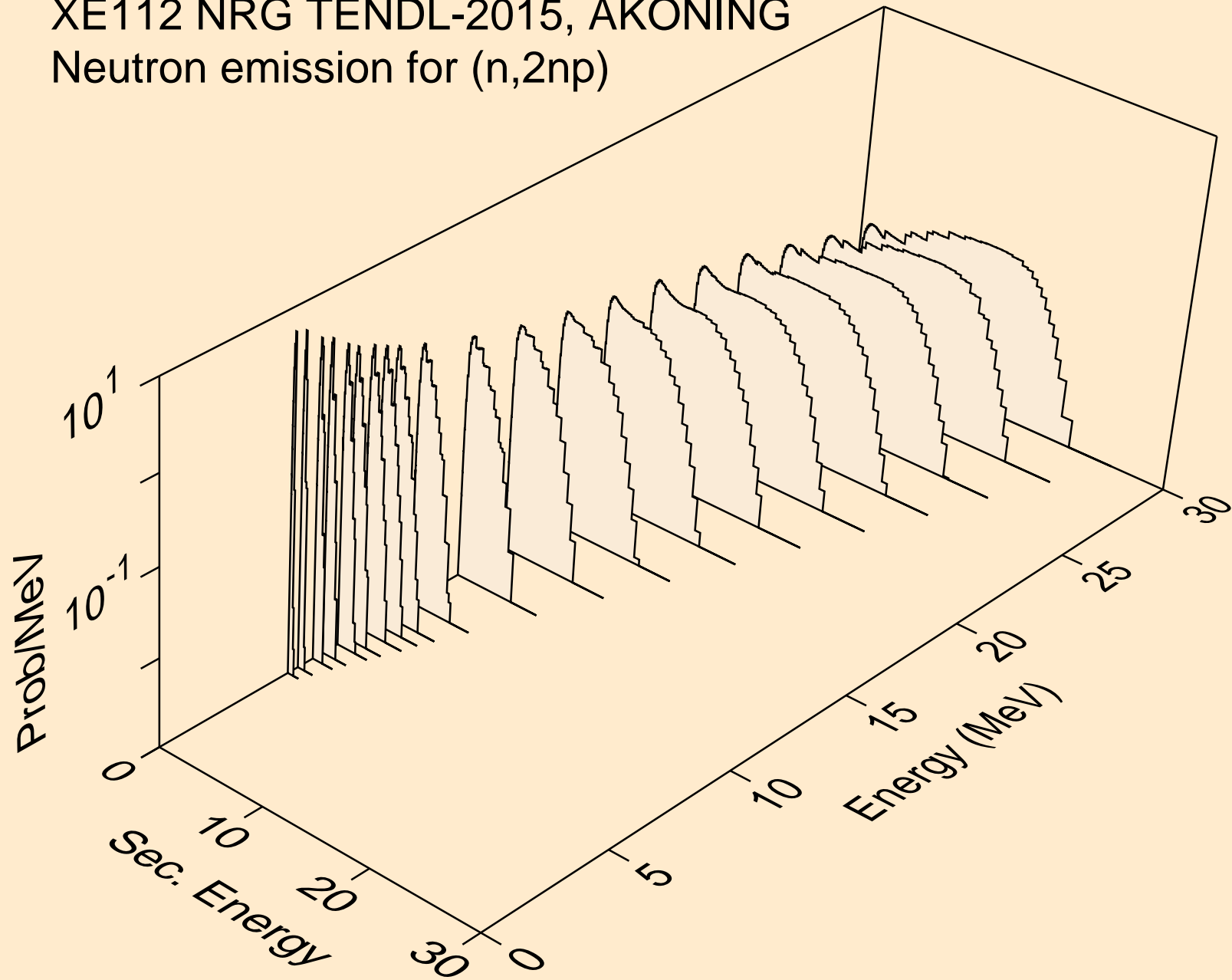
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Neutron emission for (n,2np)



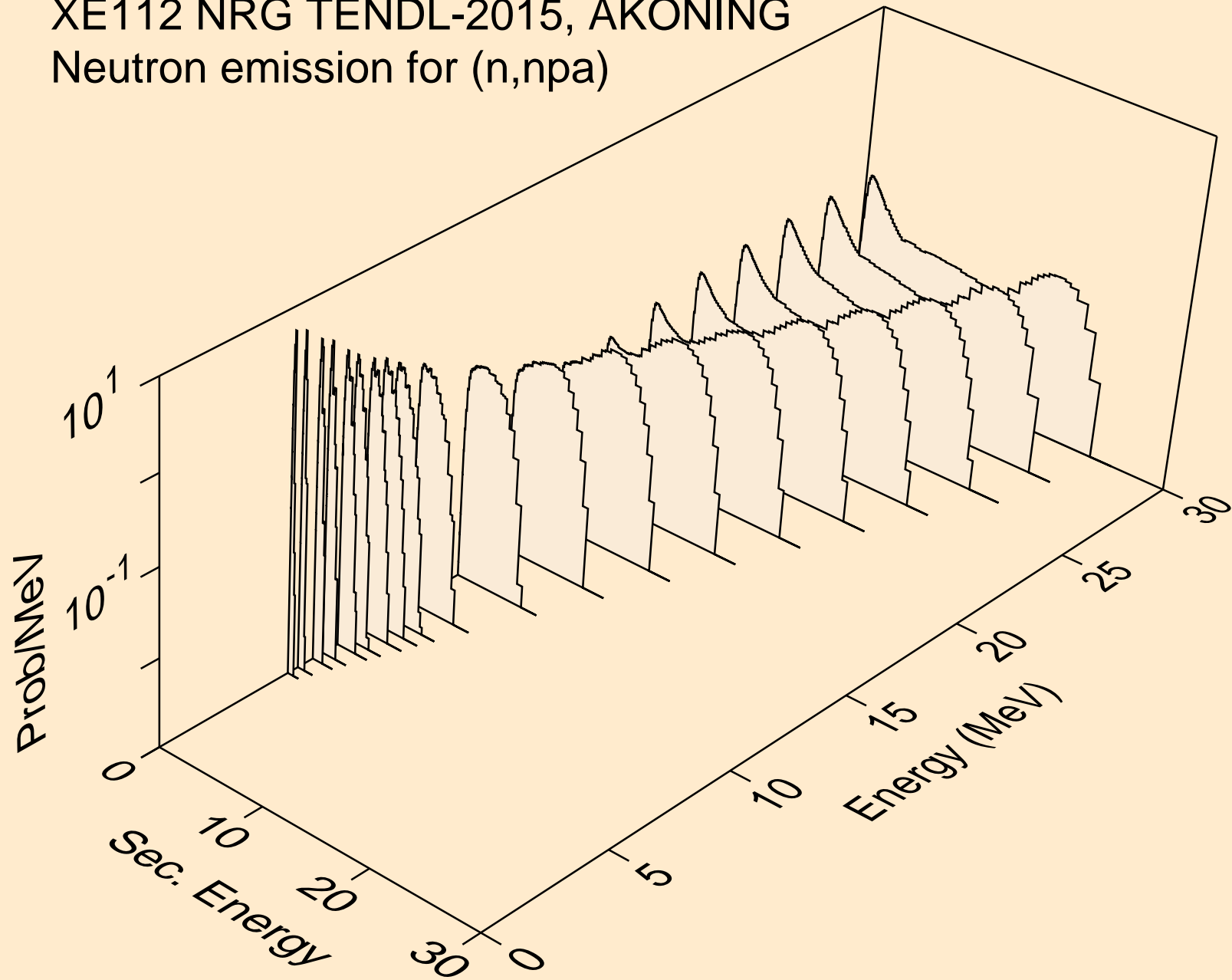
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

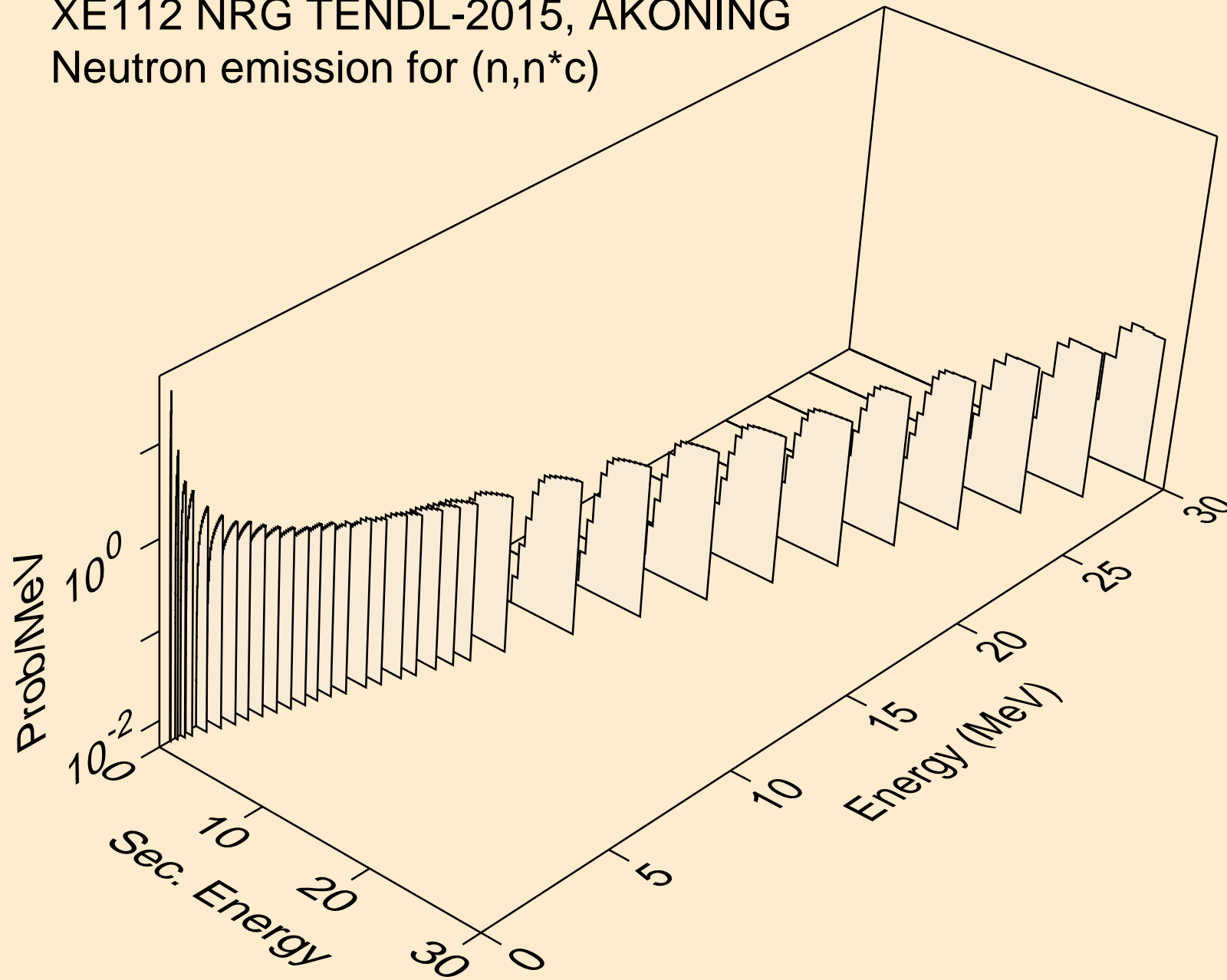


XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

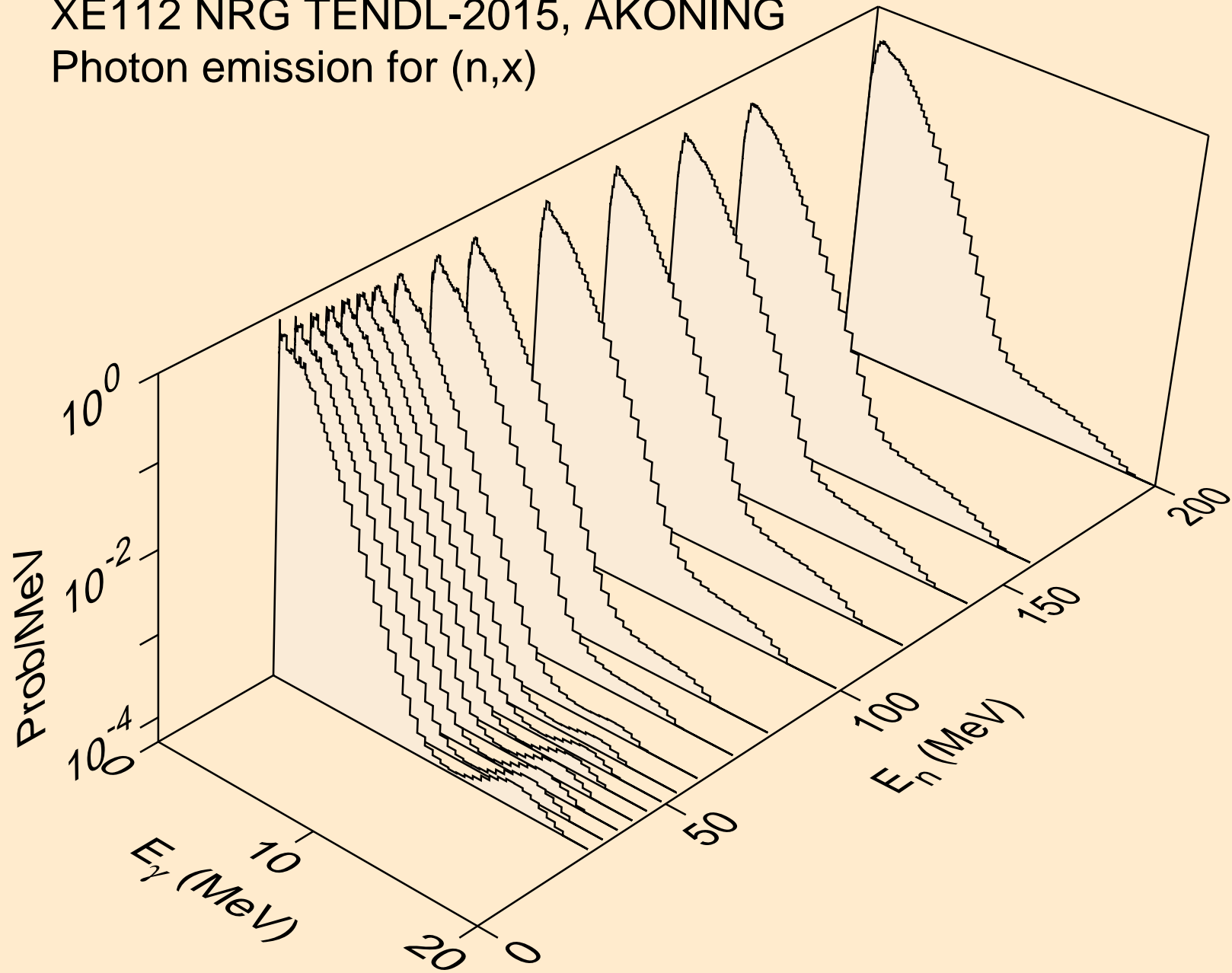




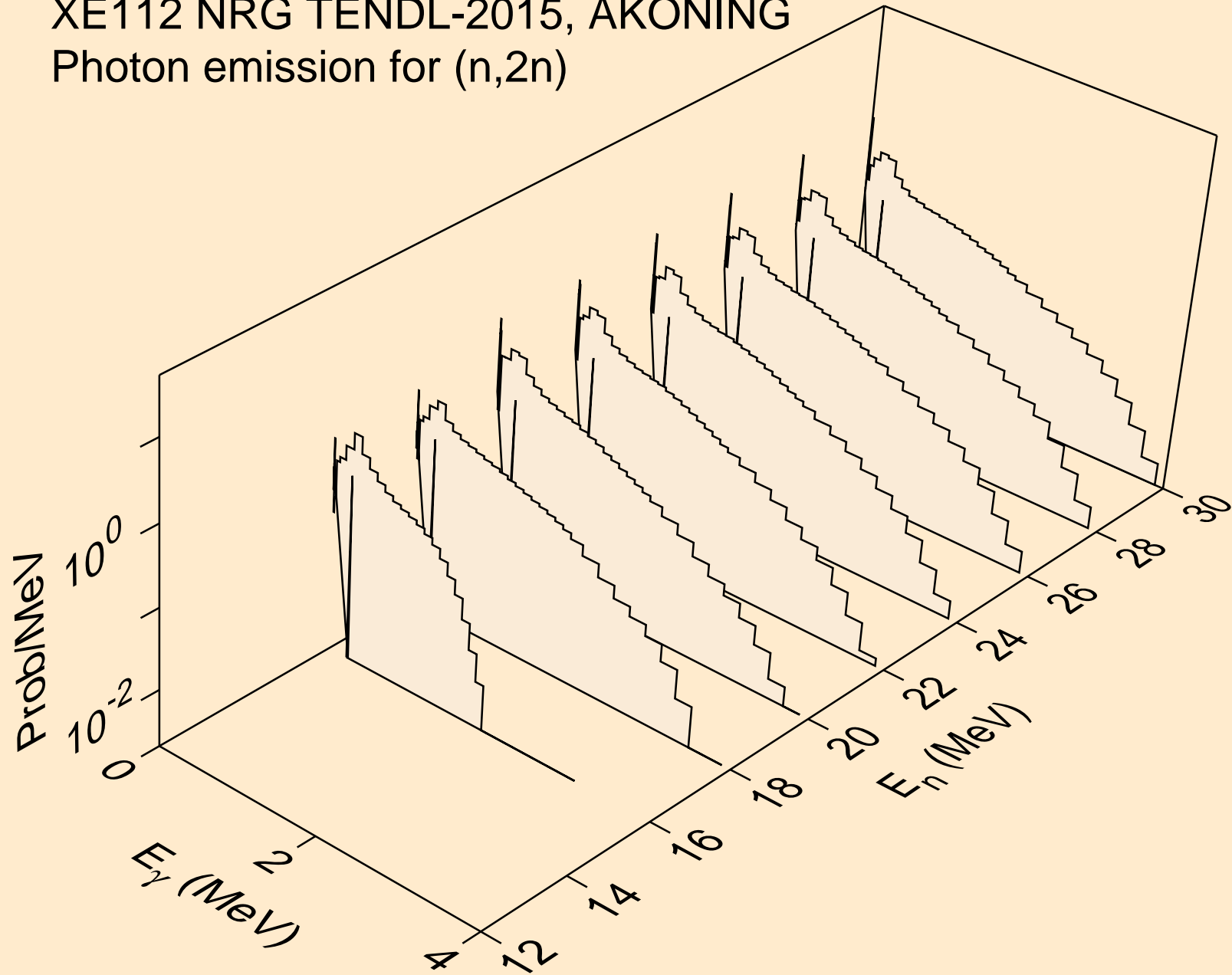
XE112 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



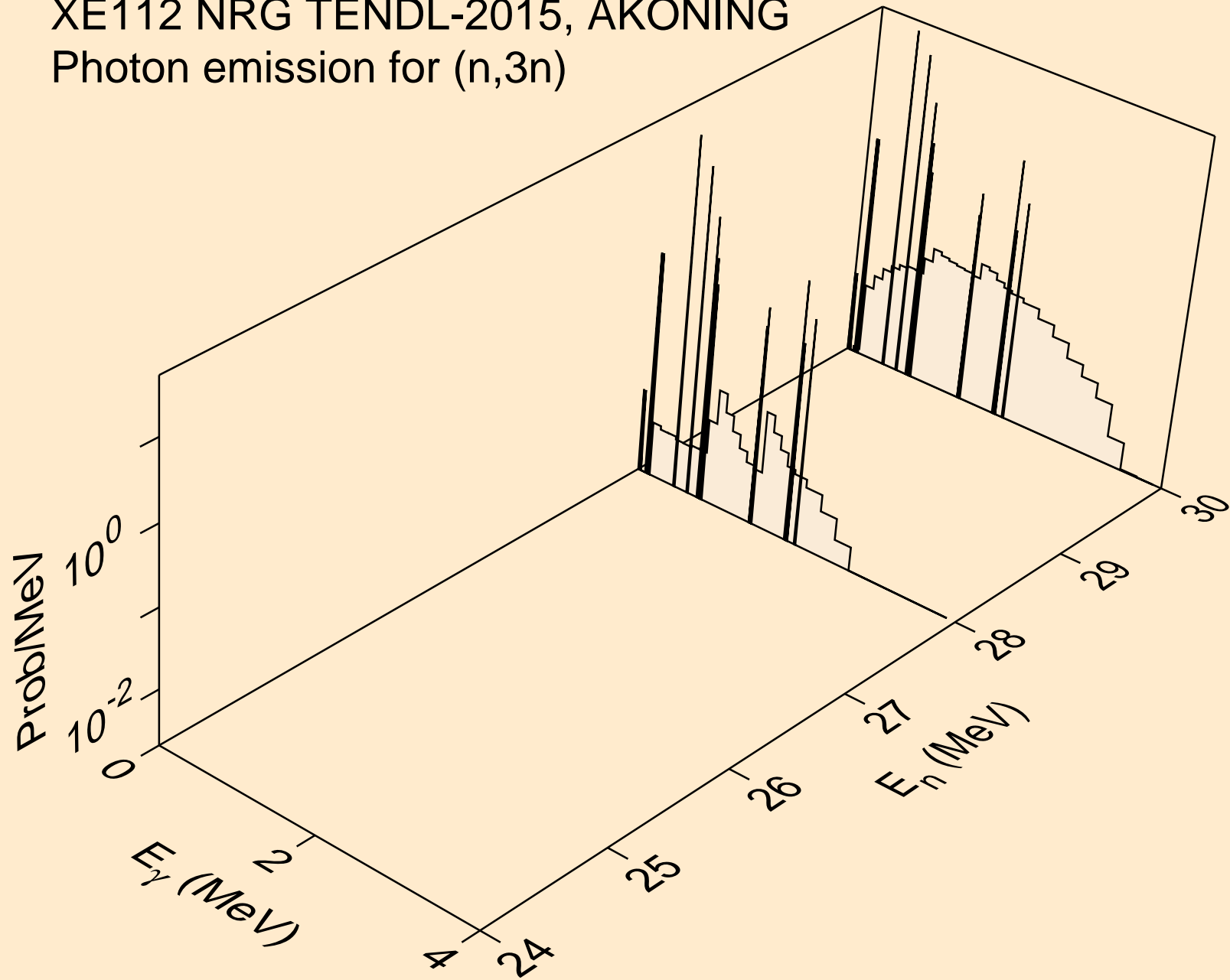
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



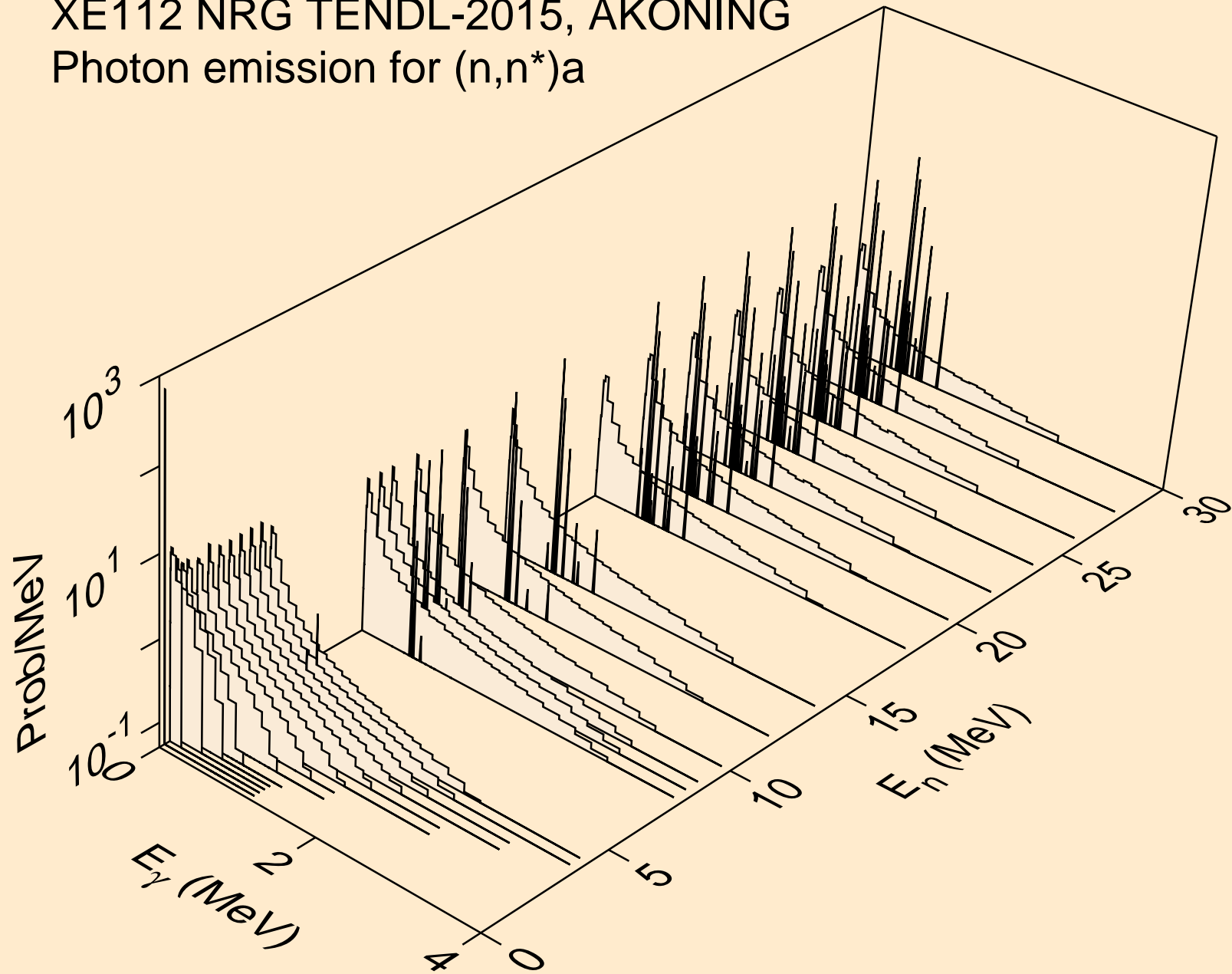
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Photon emission for (n,2n)



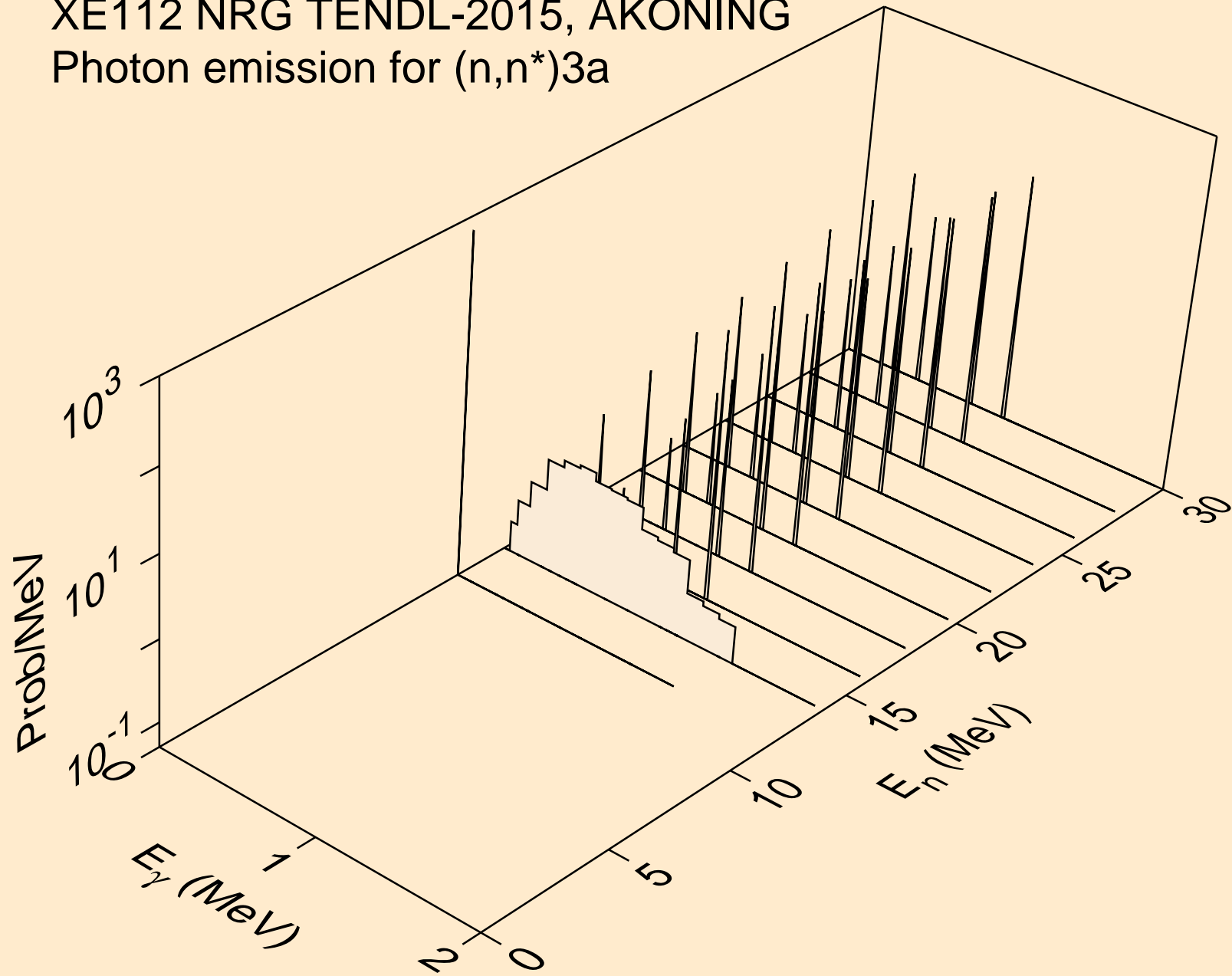
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Photon emission for (n,3n)



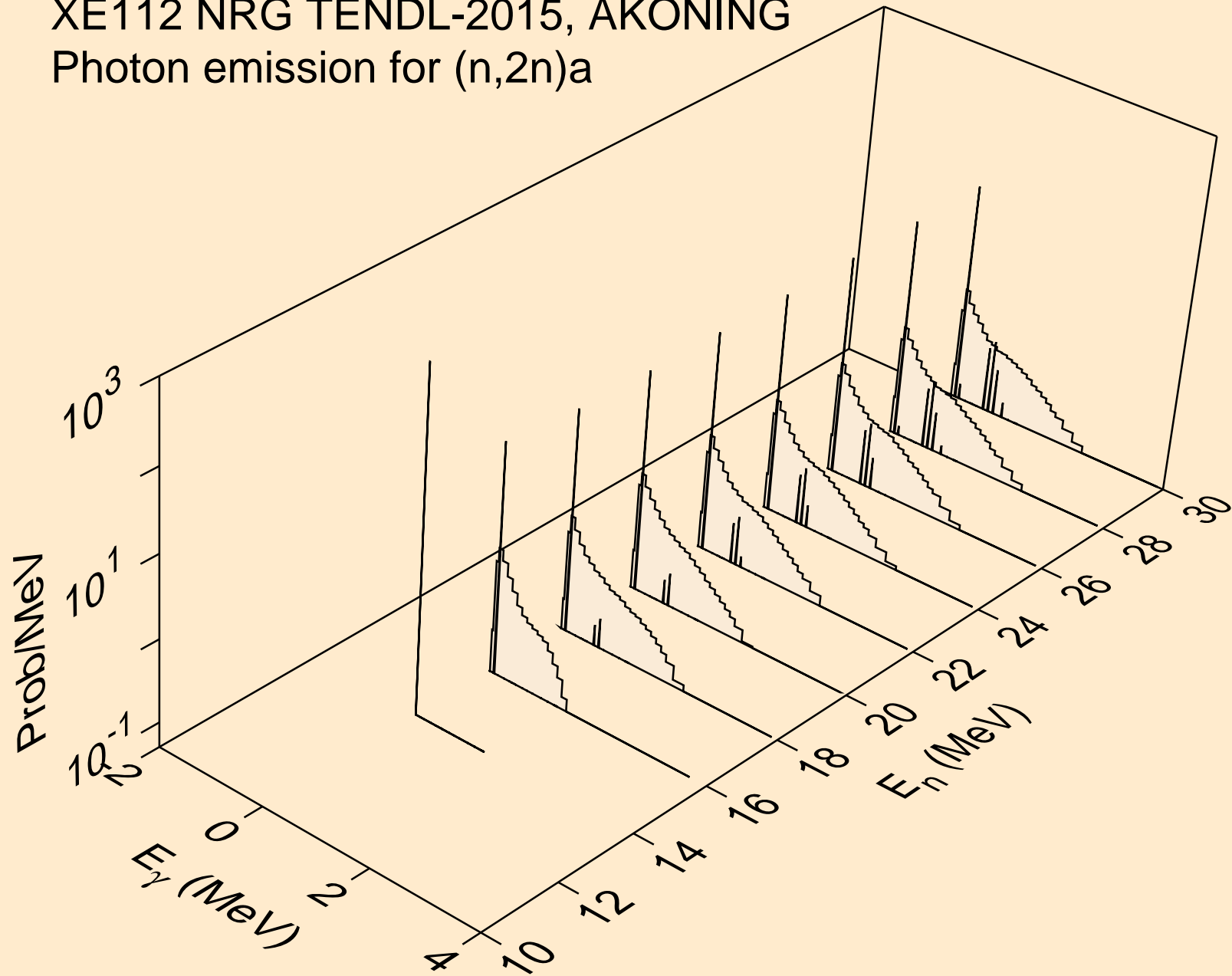
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



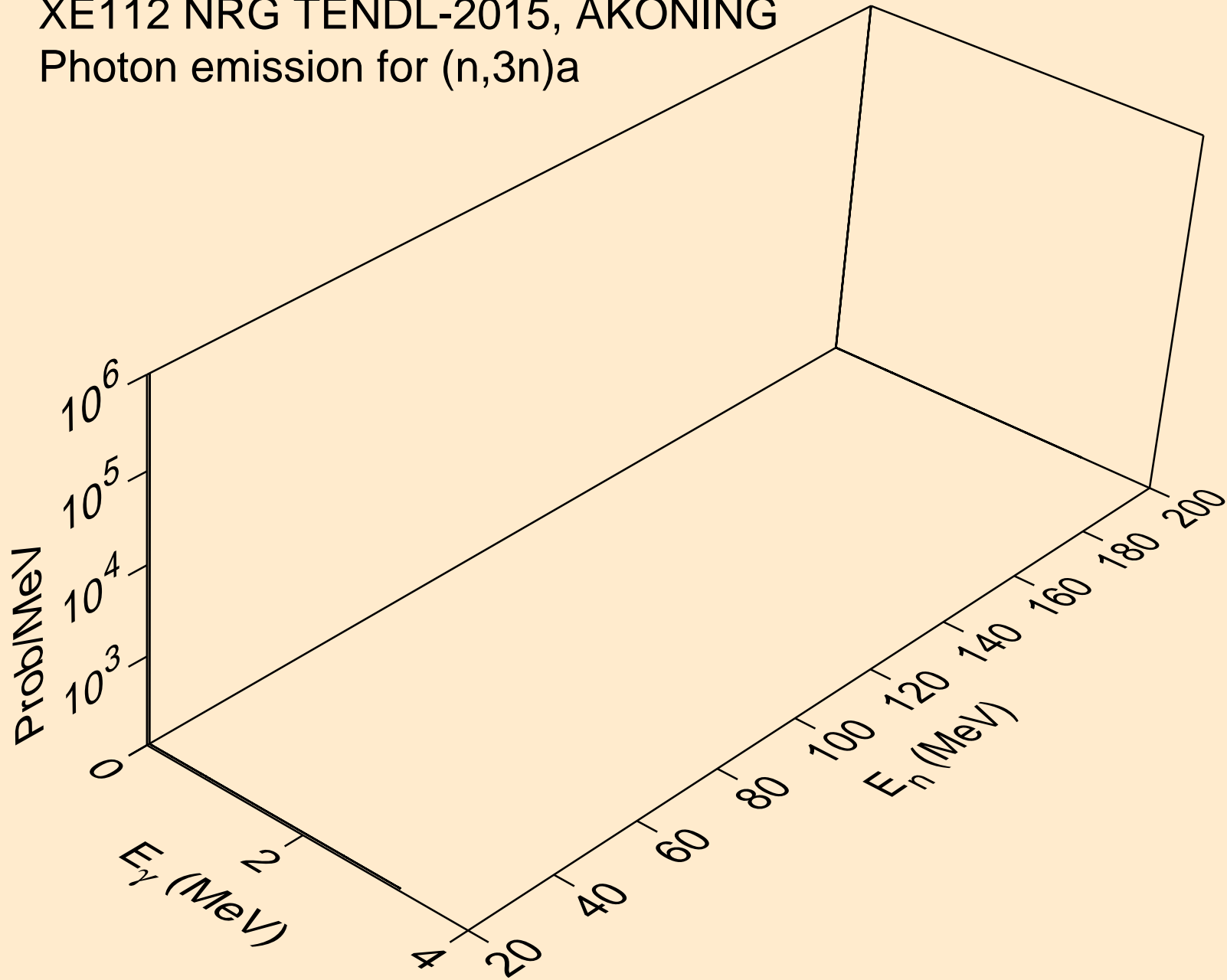
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,2n) $\alpha$

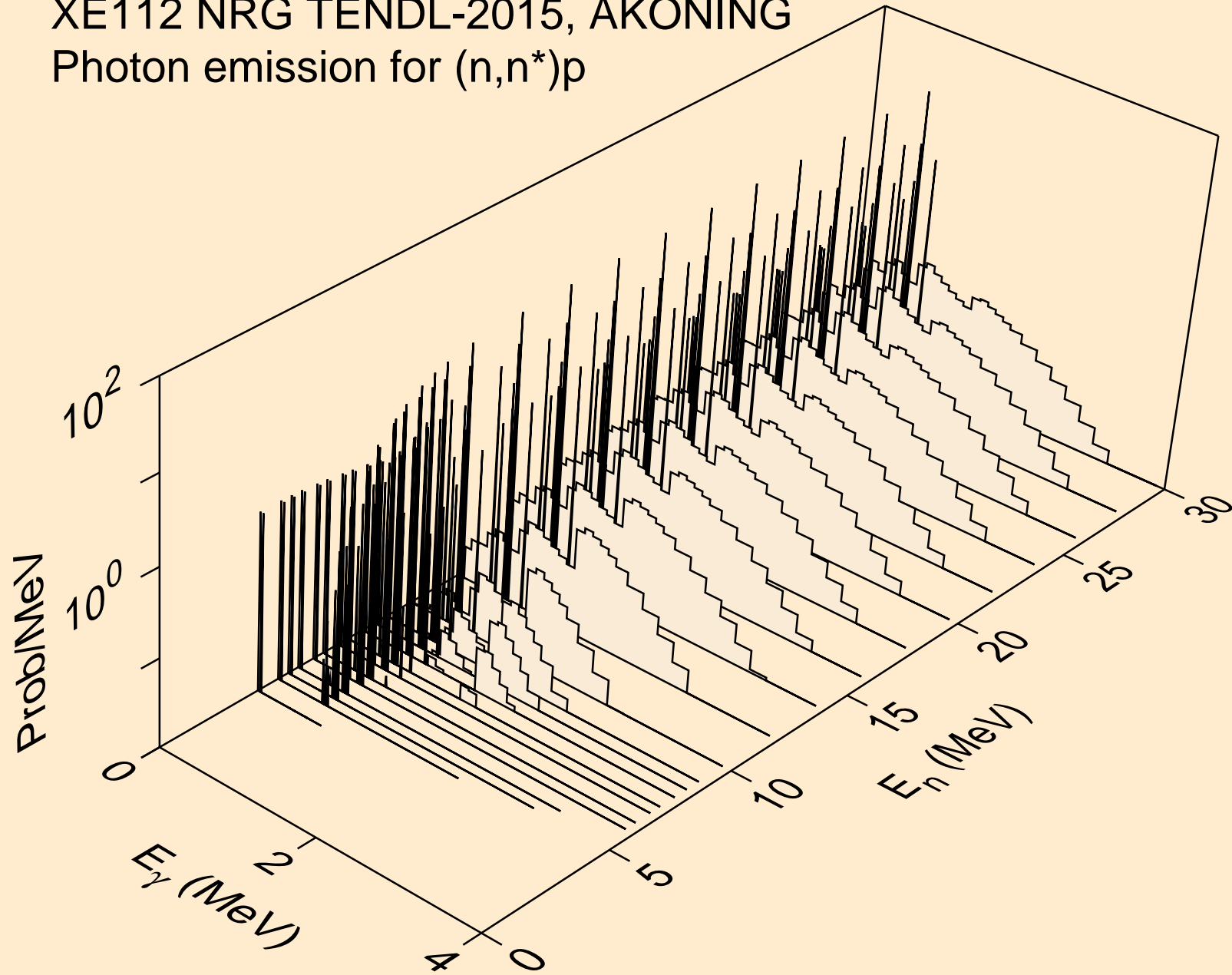


XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

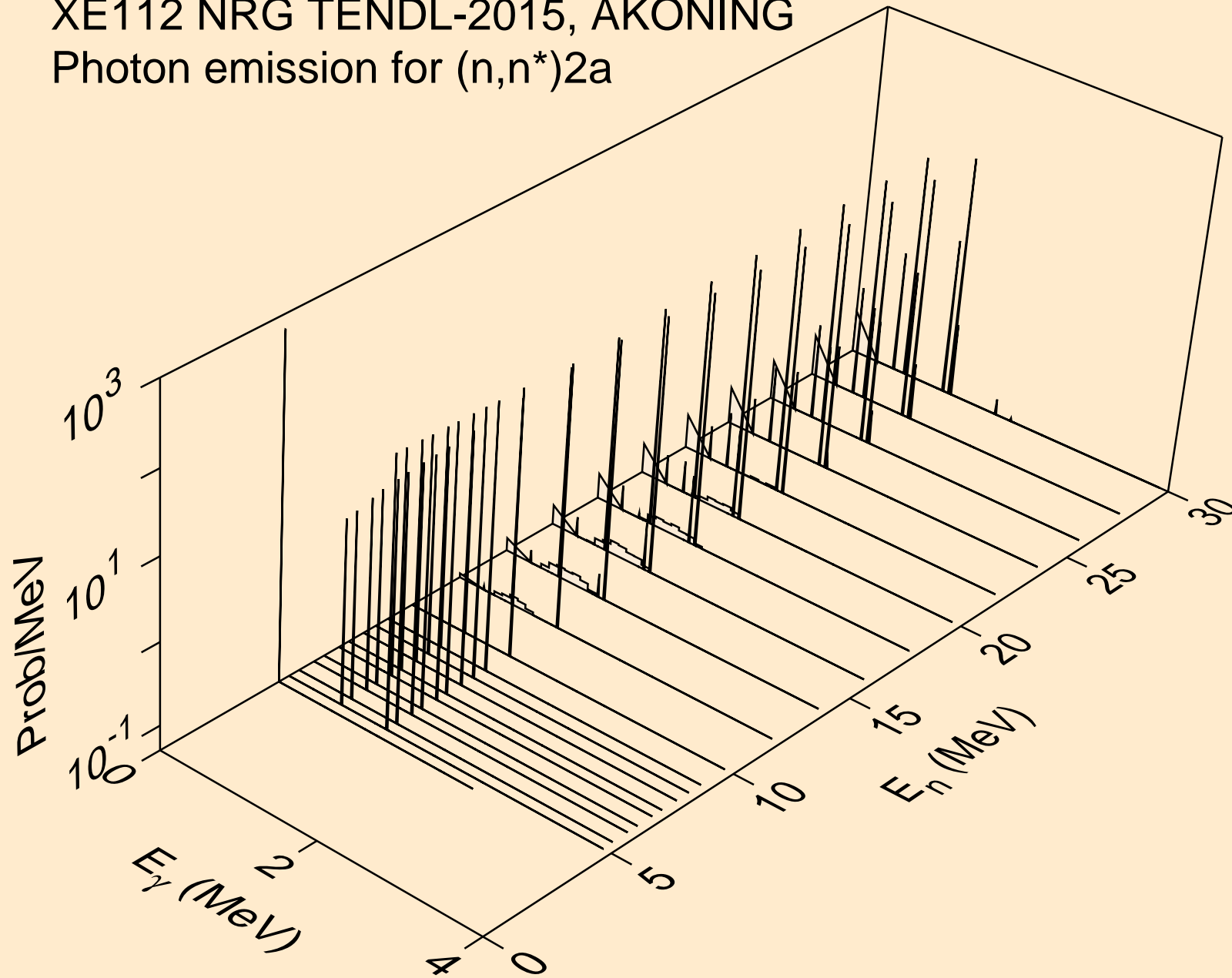




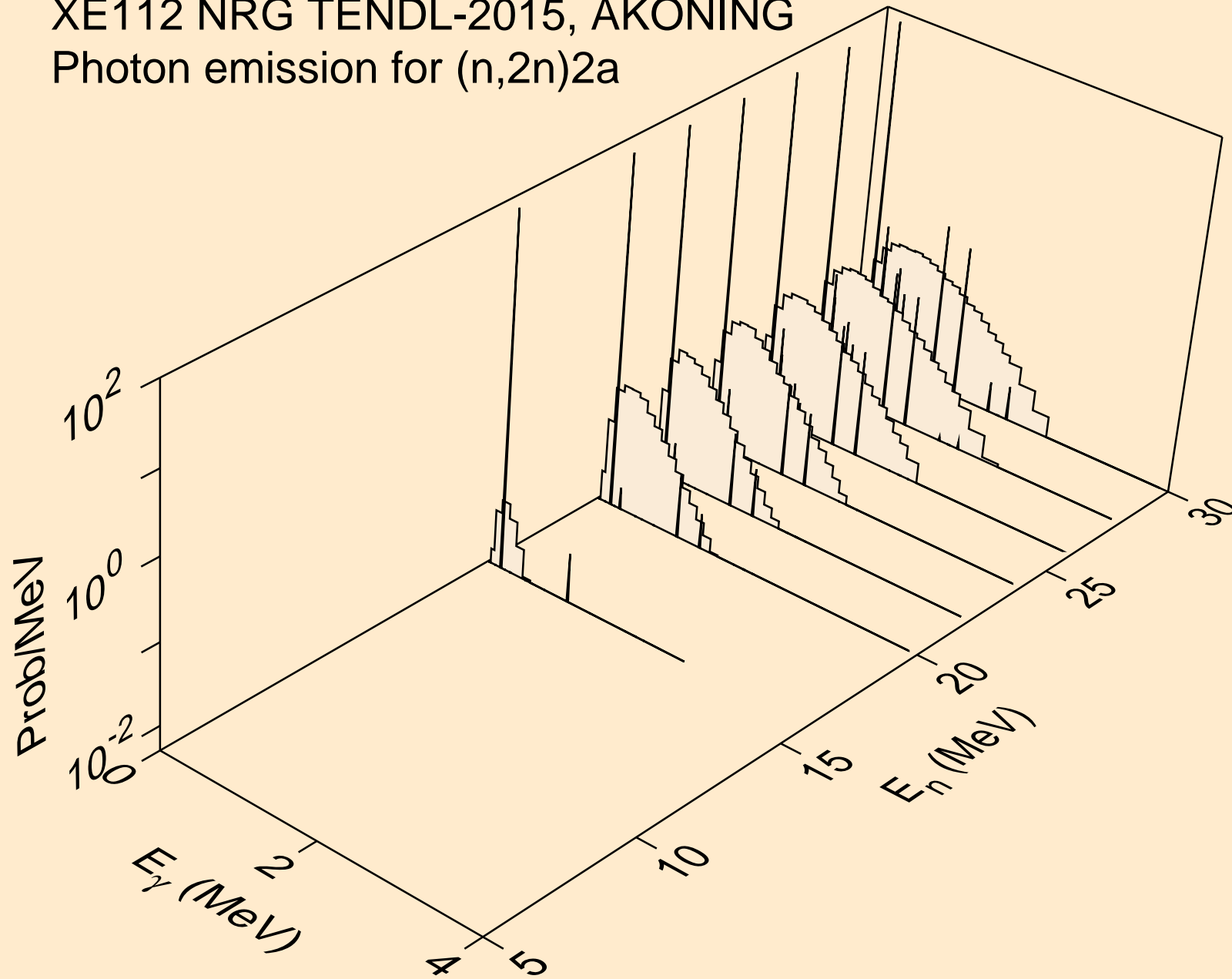
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Photon emission for (n,n\*)p



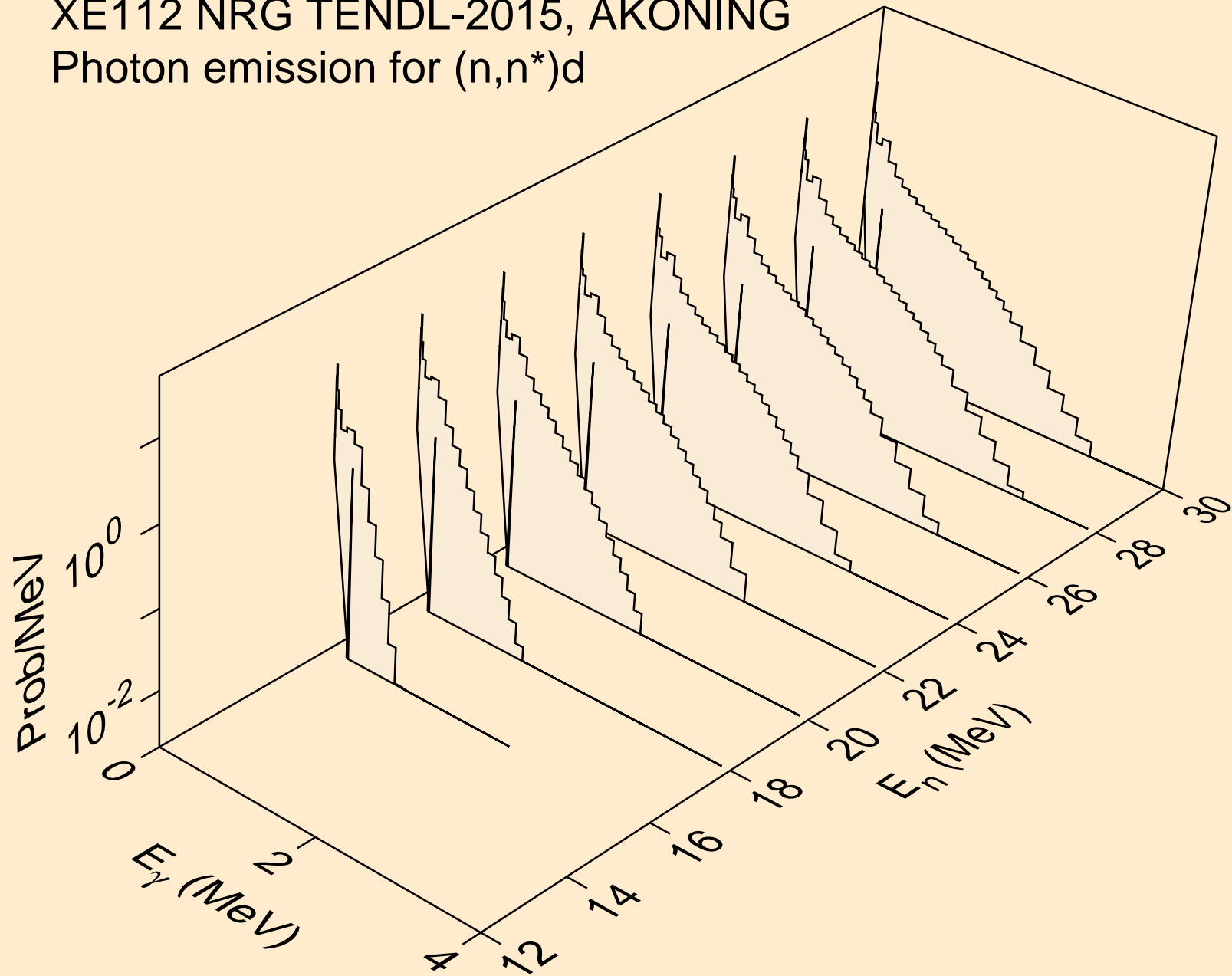
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



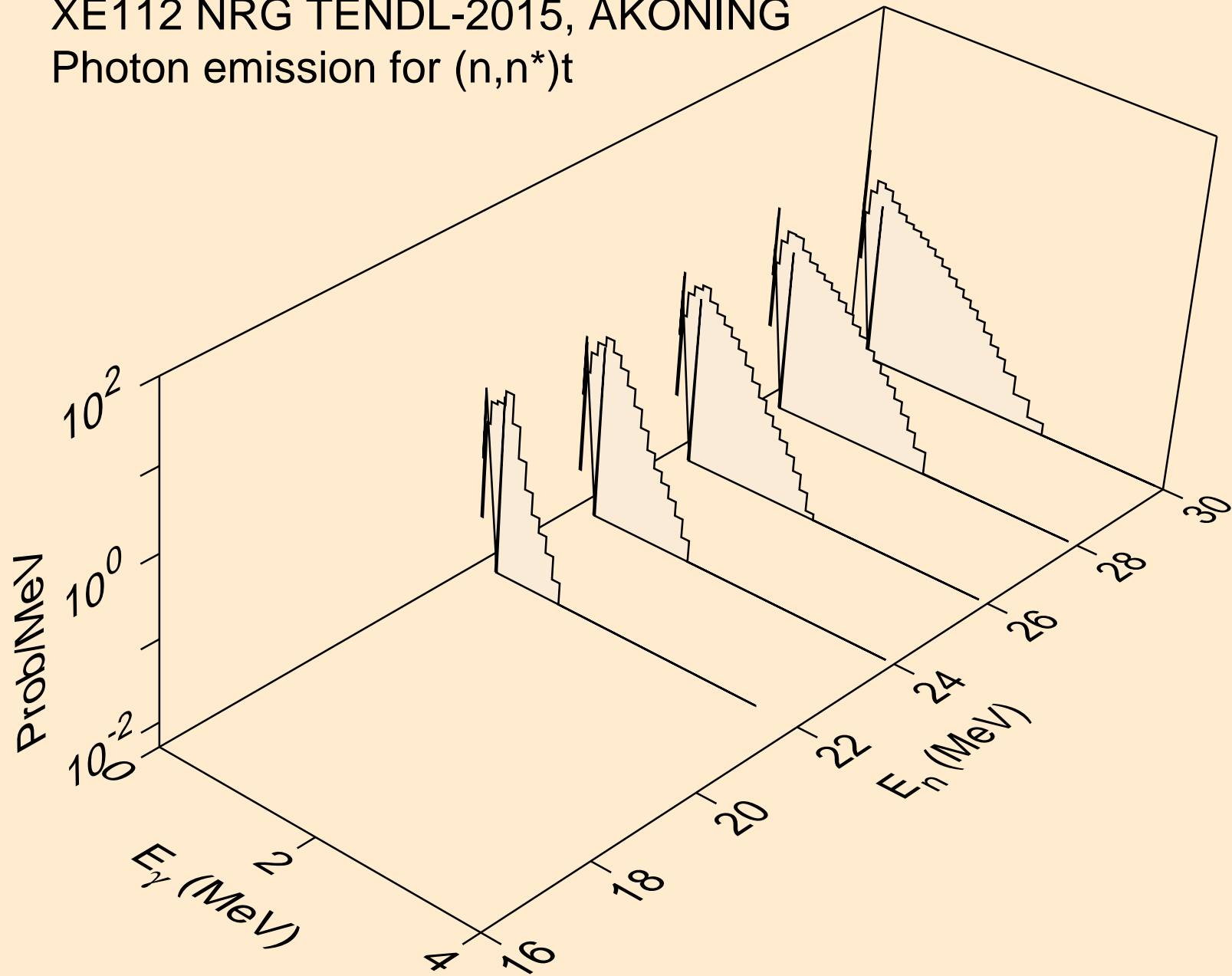
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



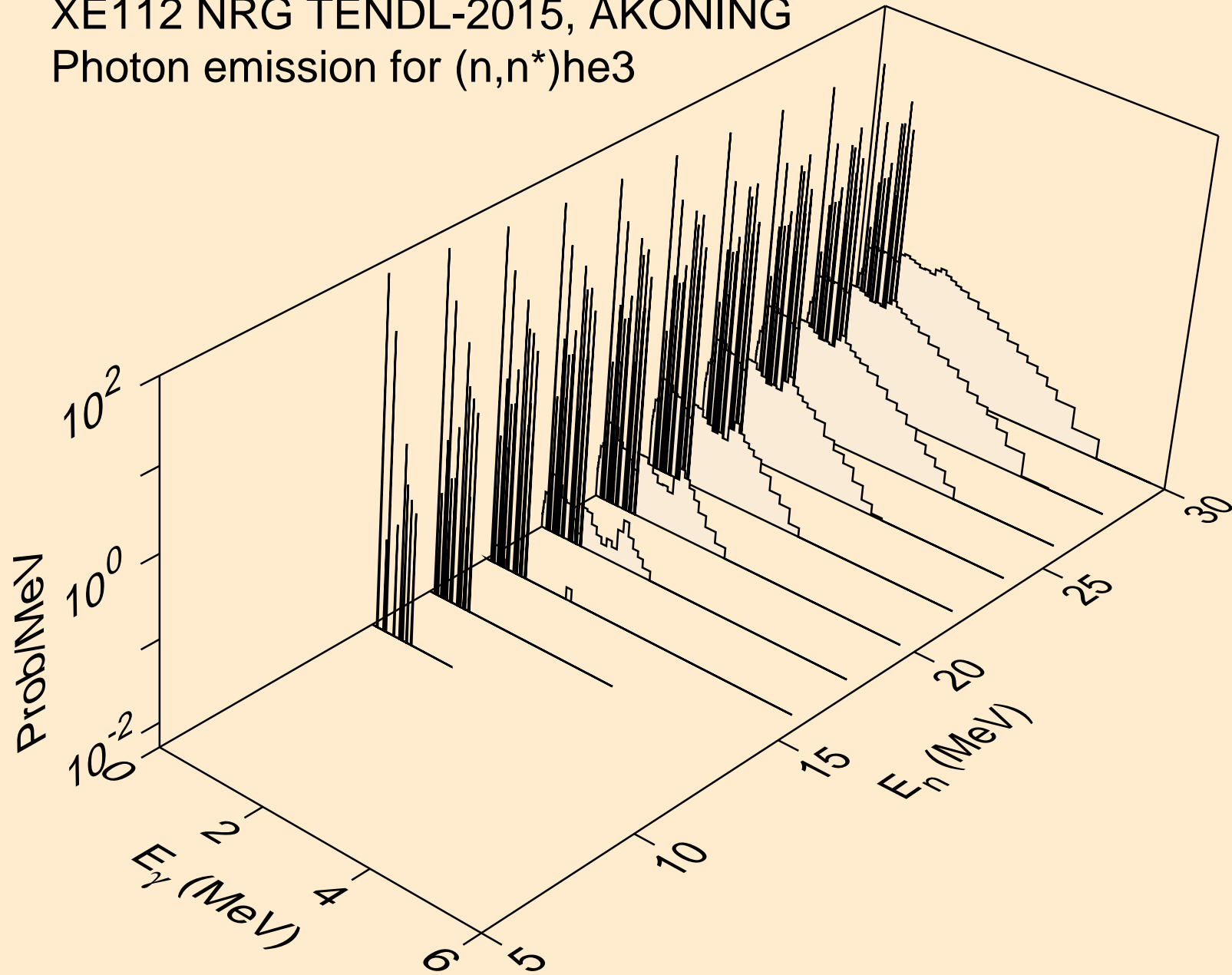
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Photon emission for (n,n\*)d



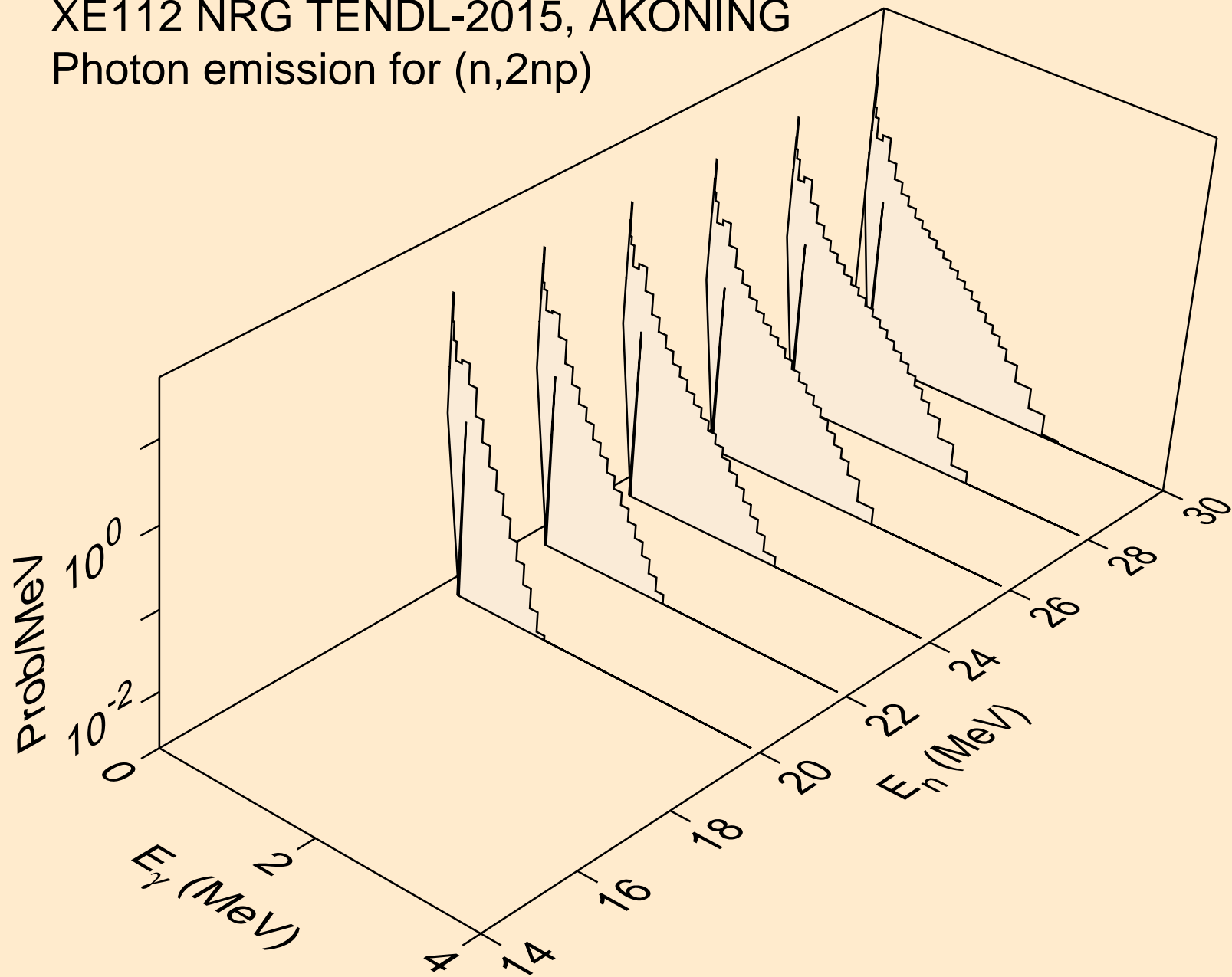
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Photon emission for (n,n\*)t



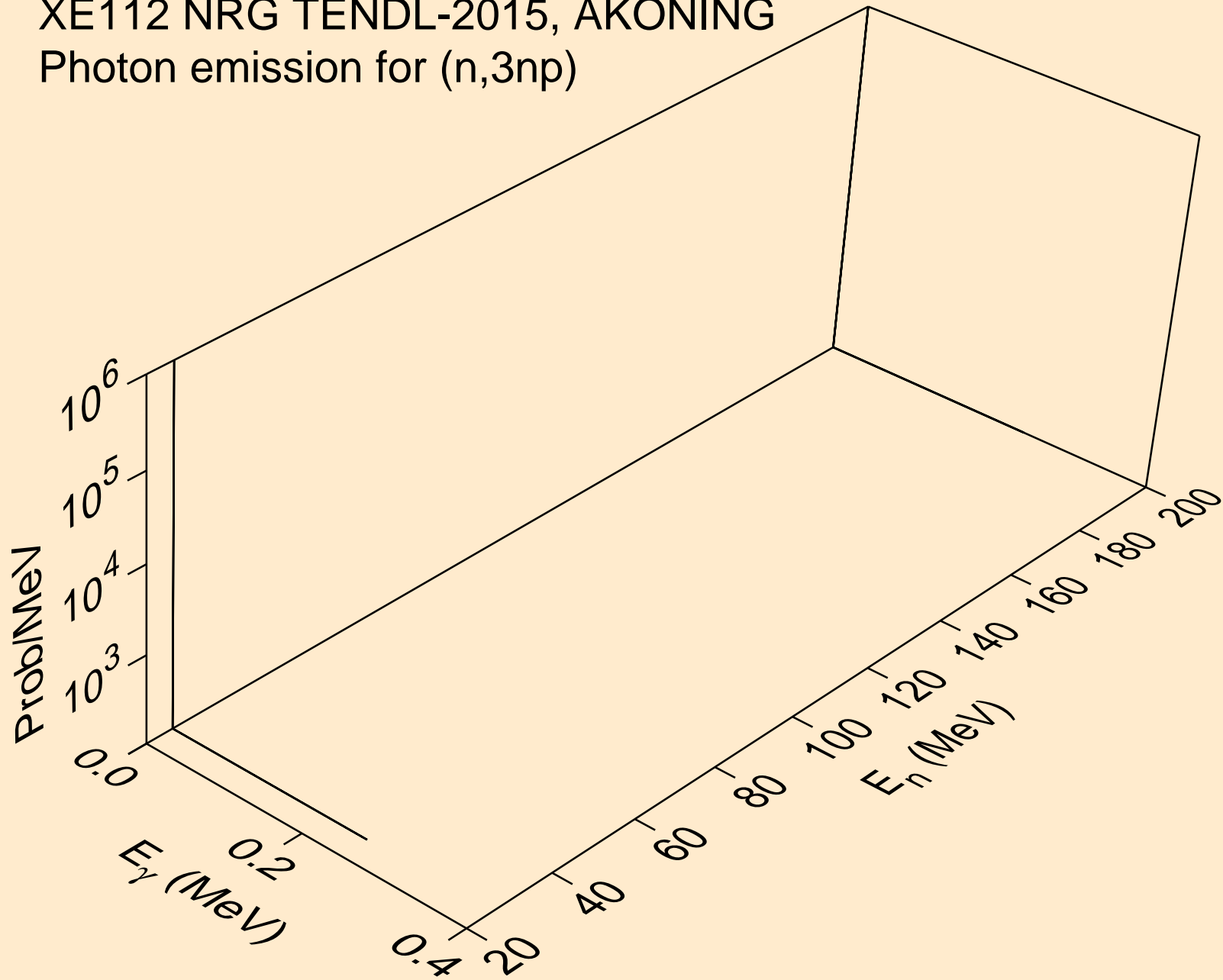
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

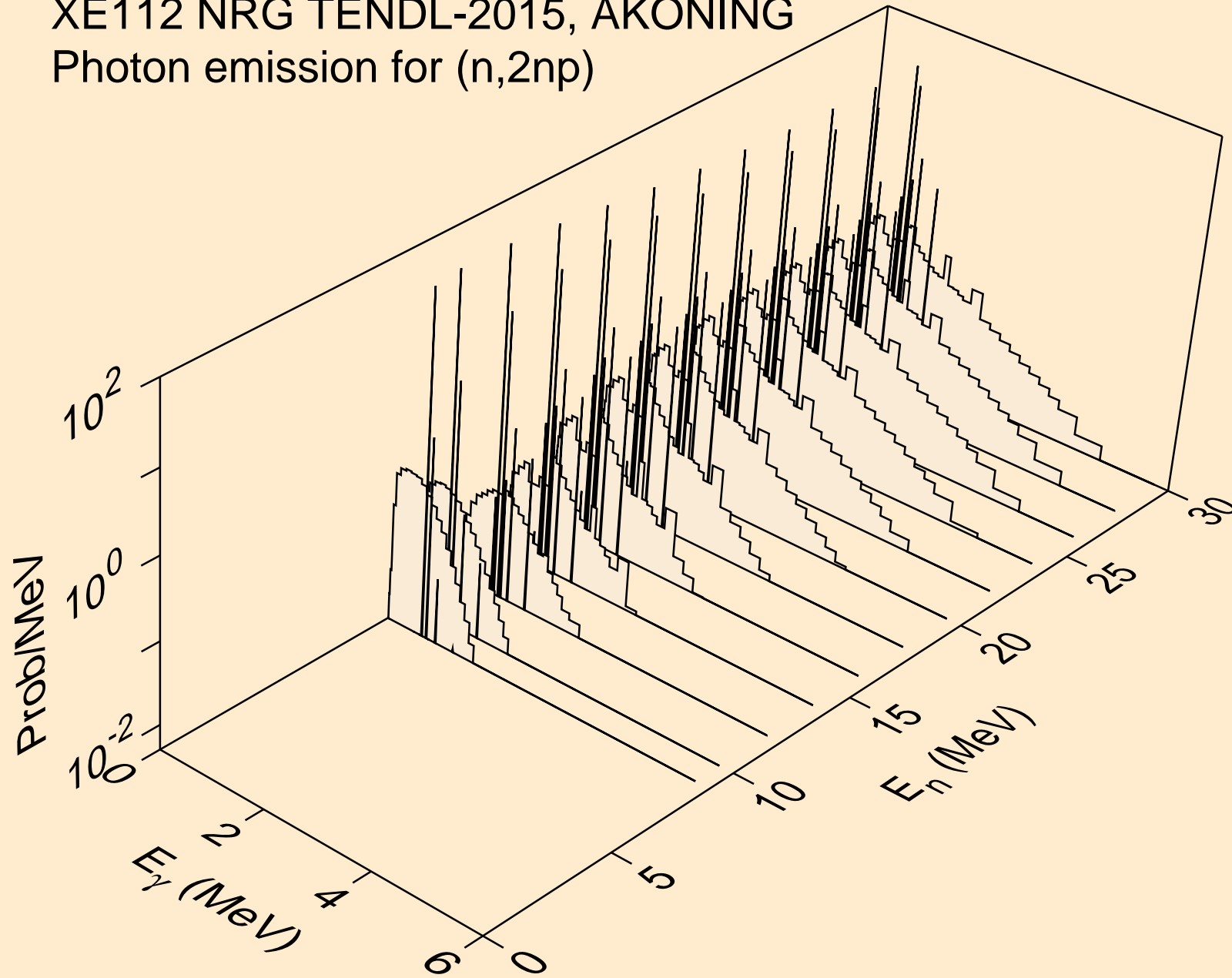


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Photon emission for (n,3np)

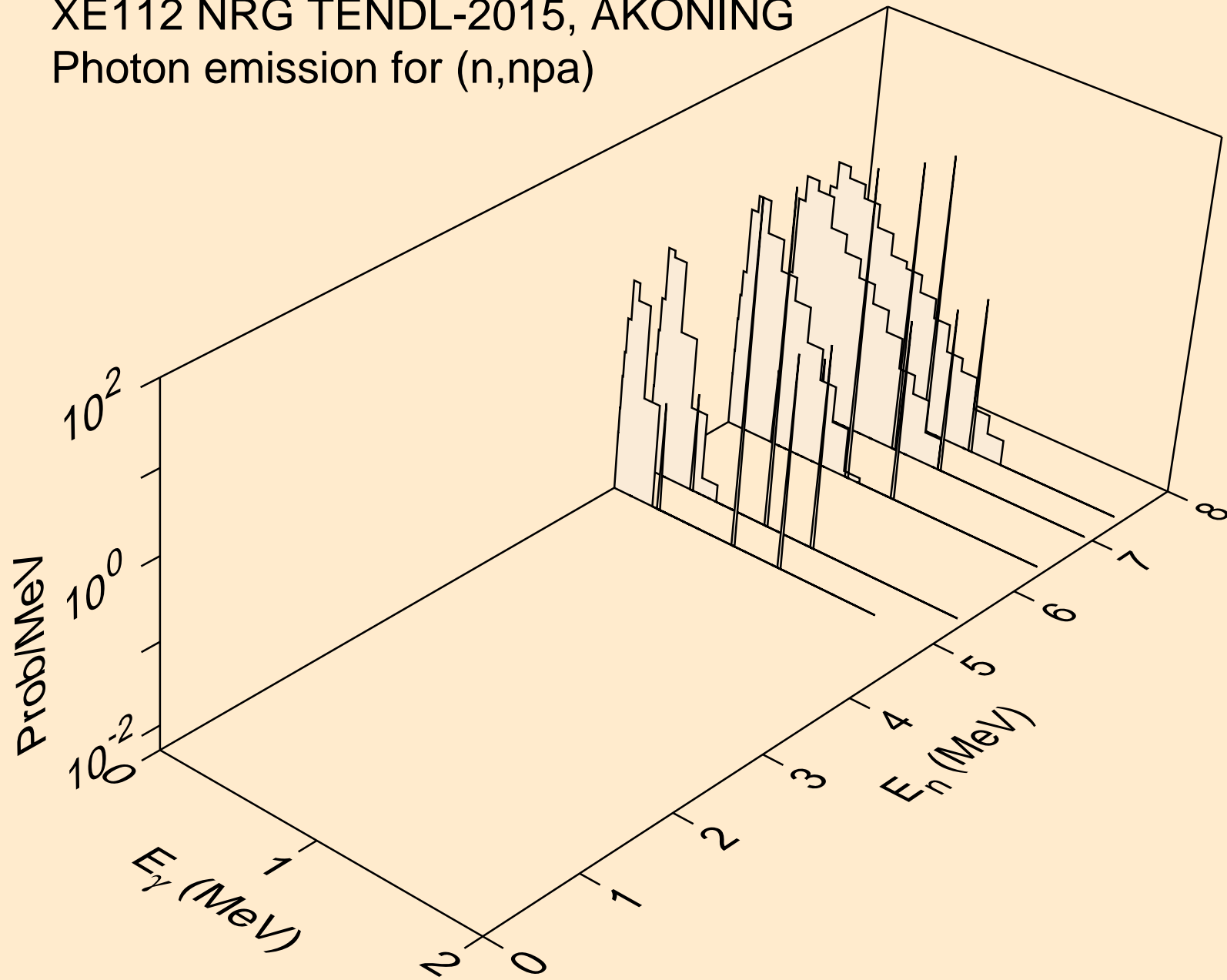




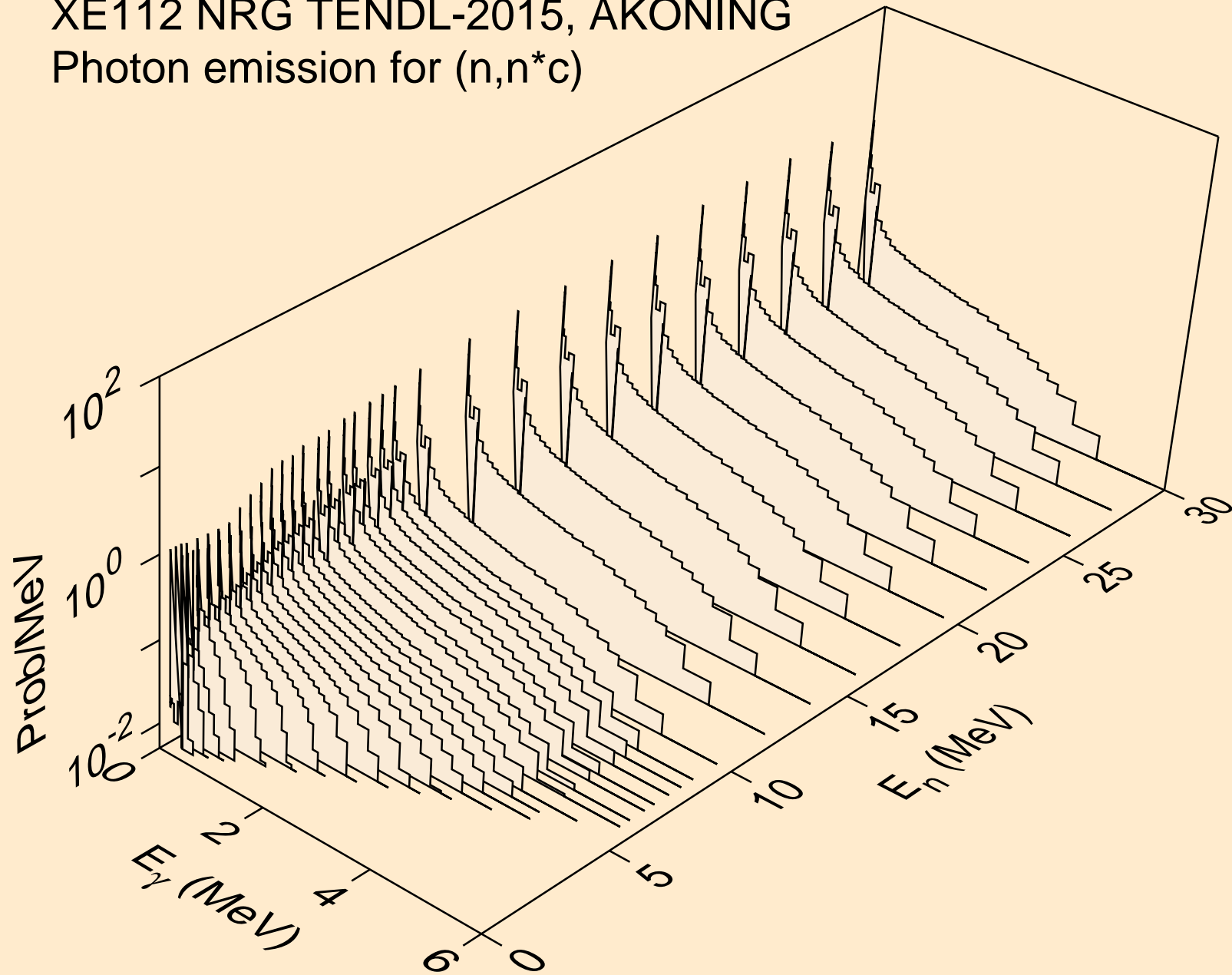
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Photon emission for (n,2np)



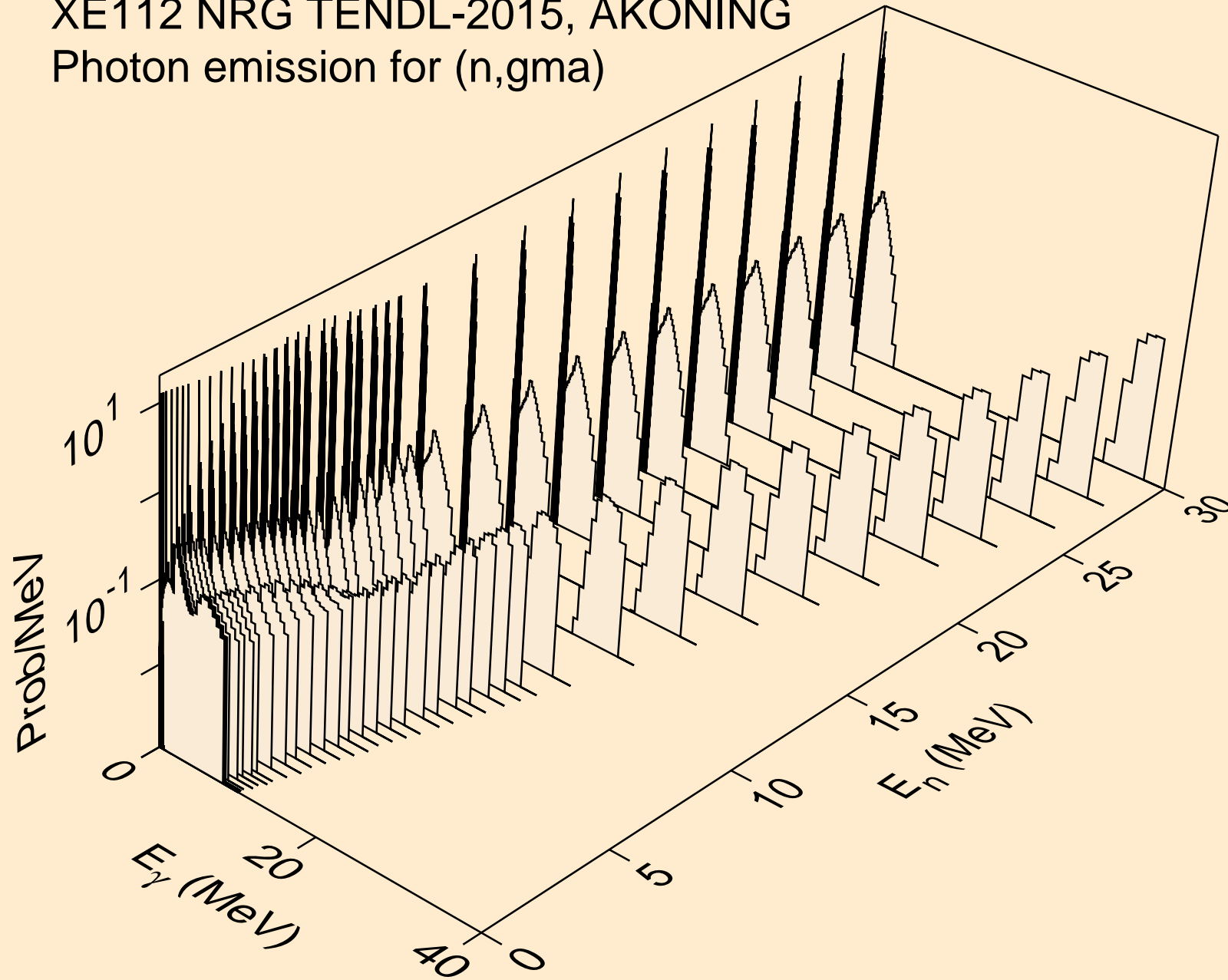
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Photon emission for (n,npa)



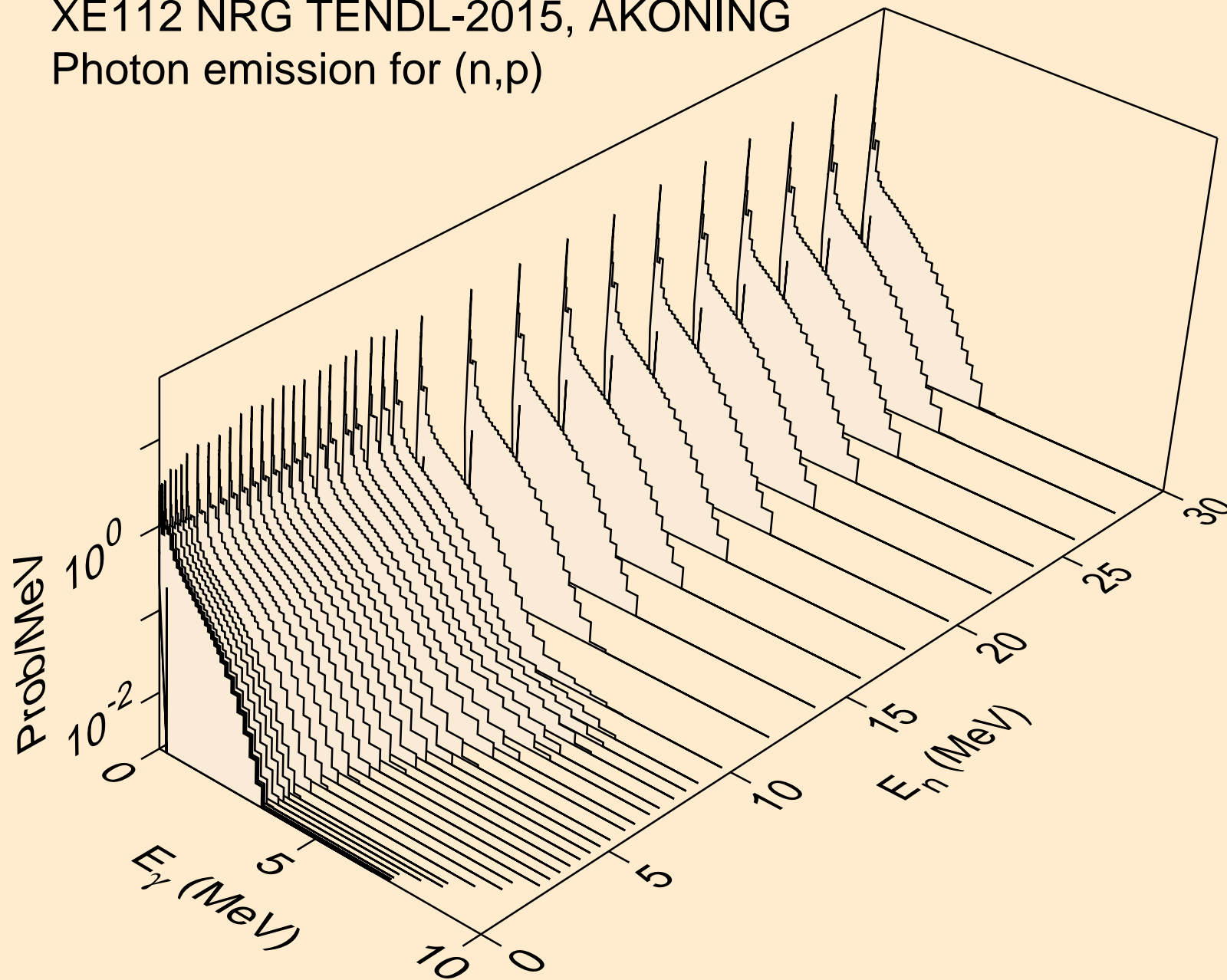
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Photon emission for (n,n\*c)



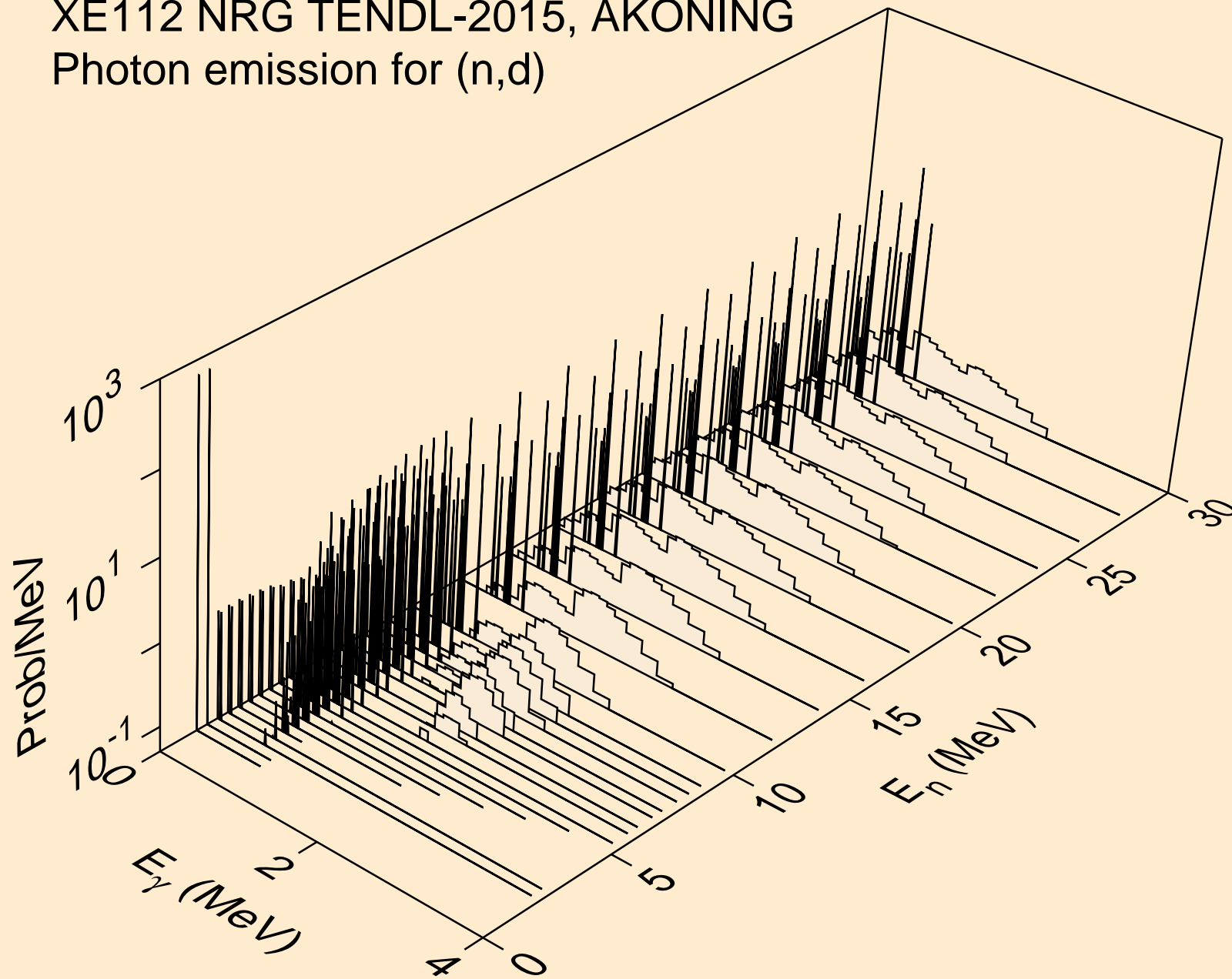
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



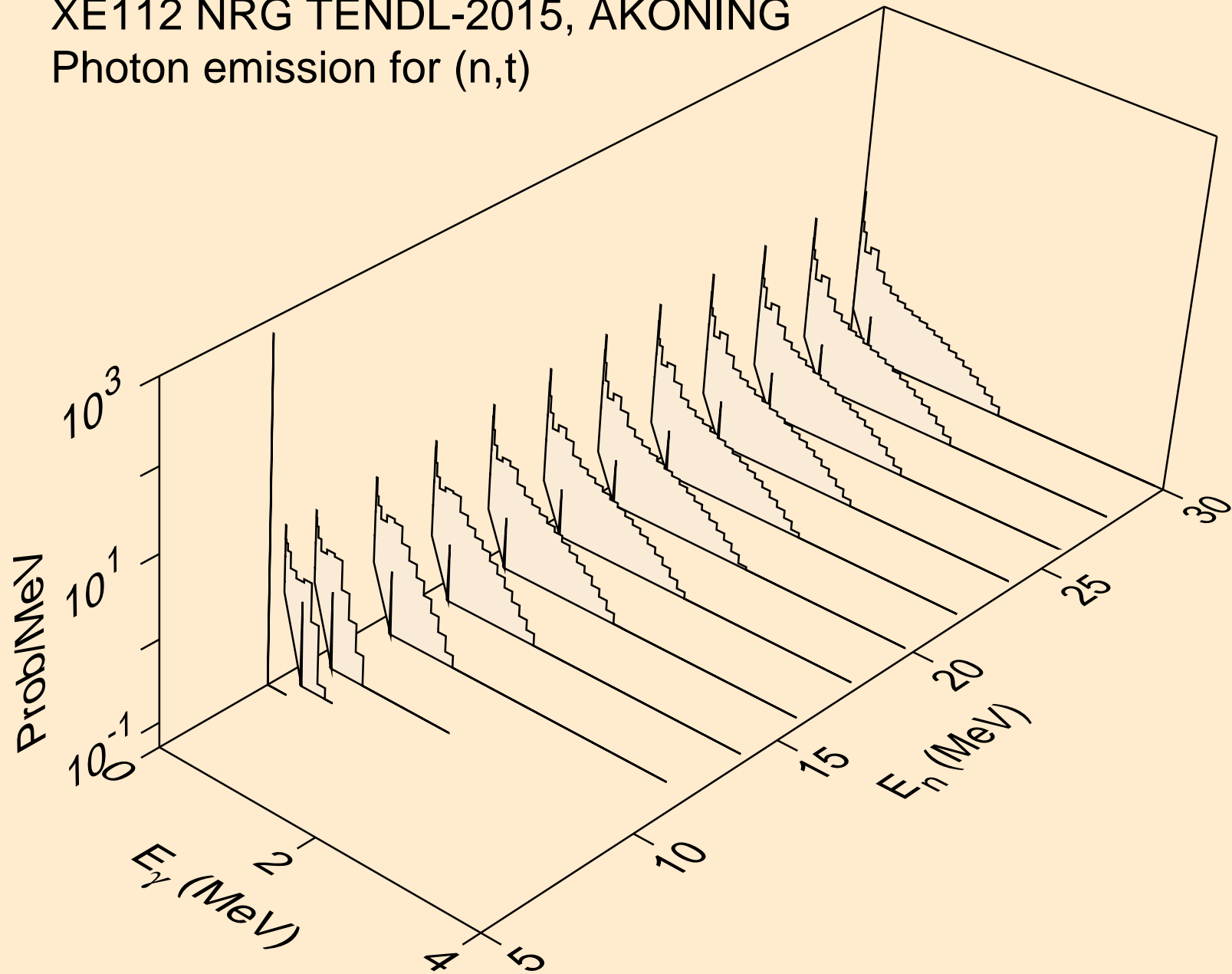
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Photon emission for (n,p)



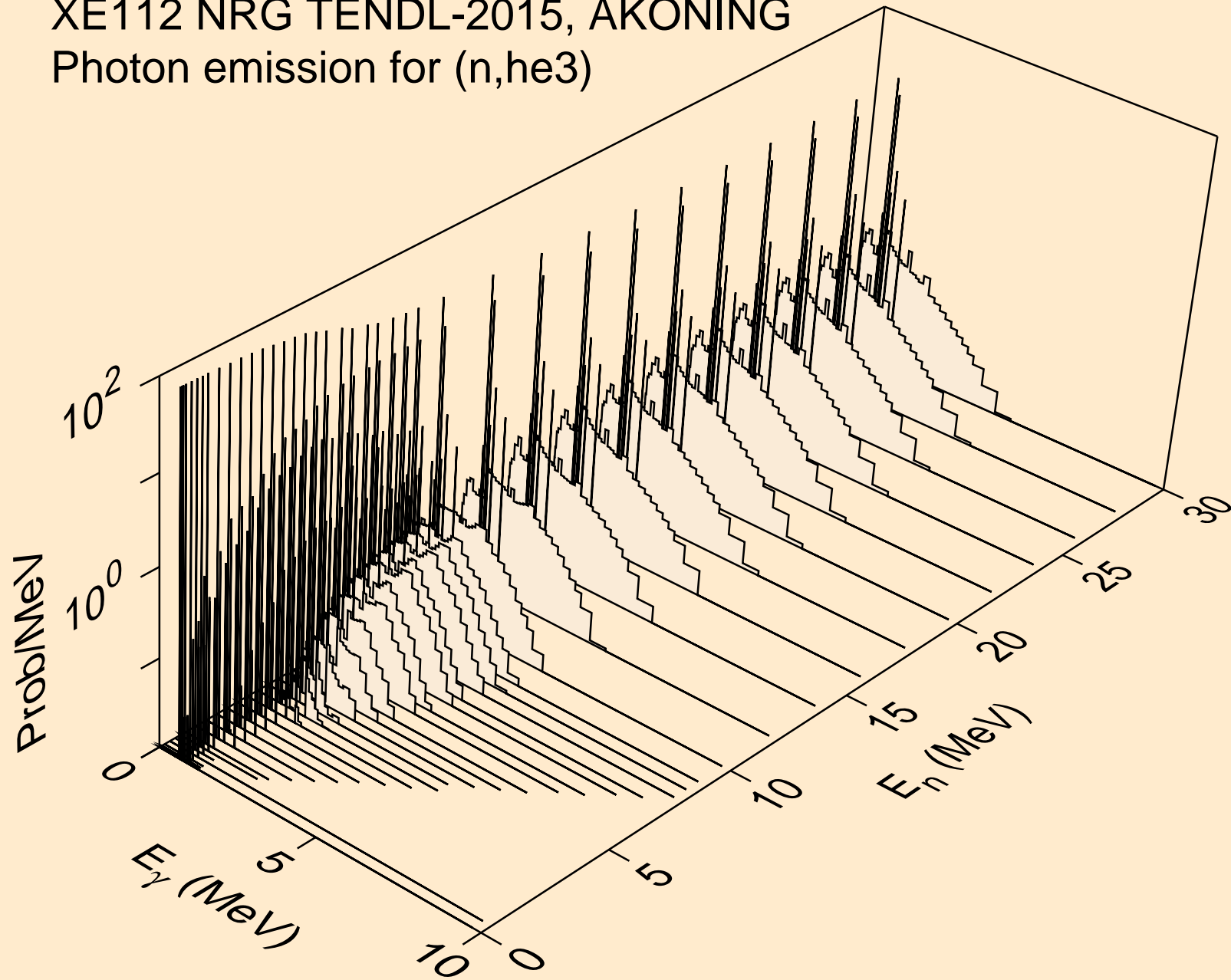
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

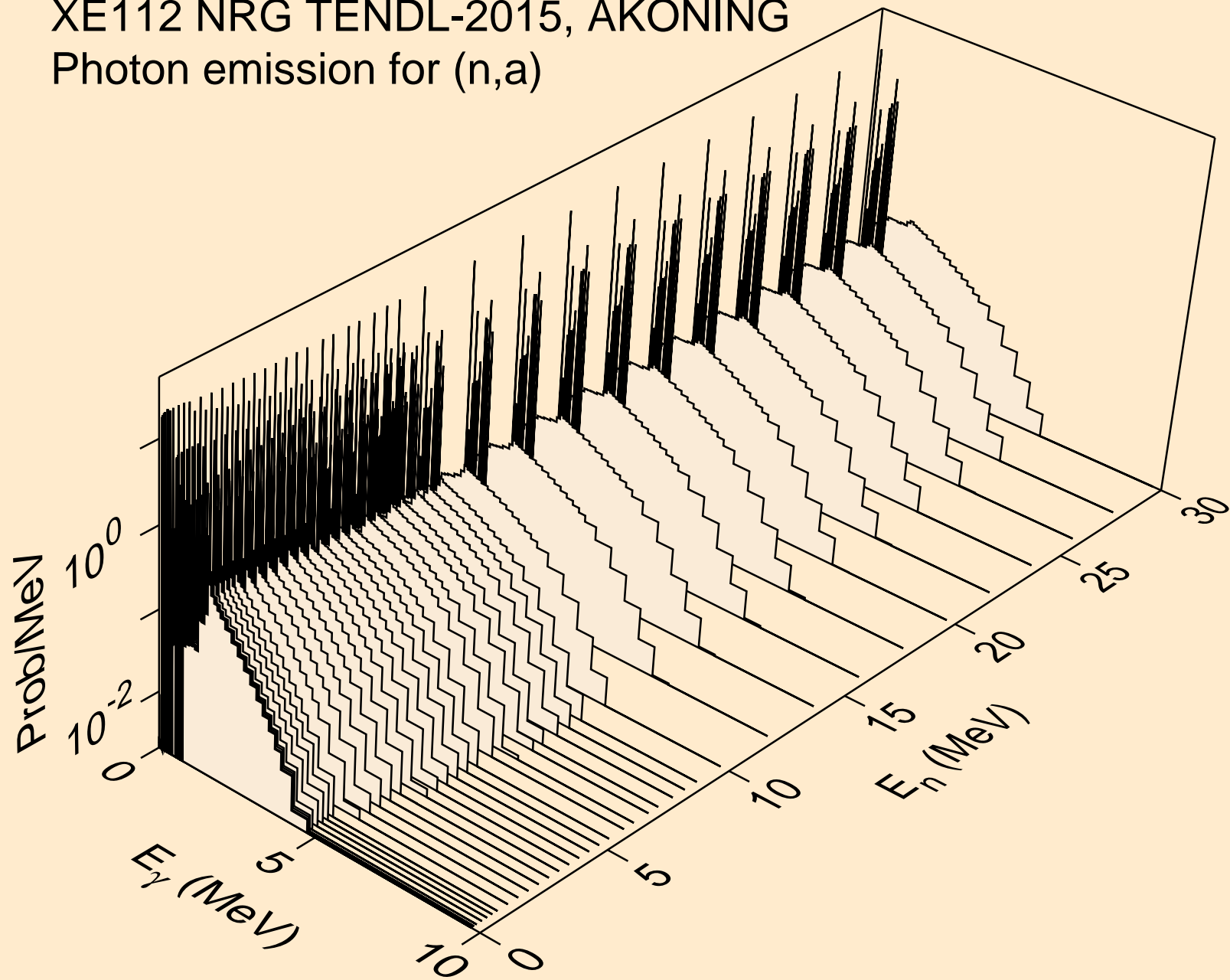


XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

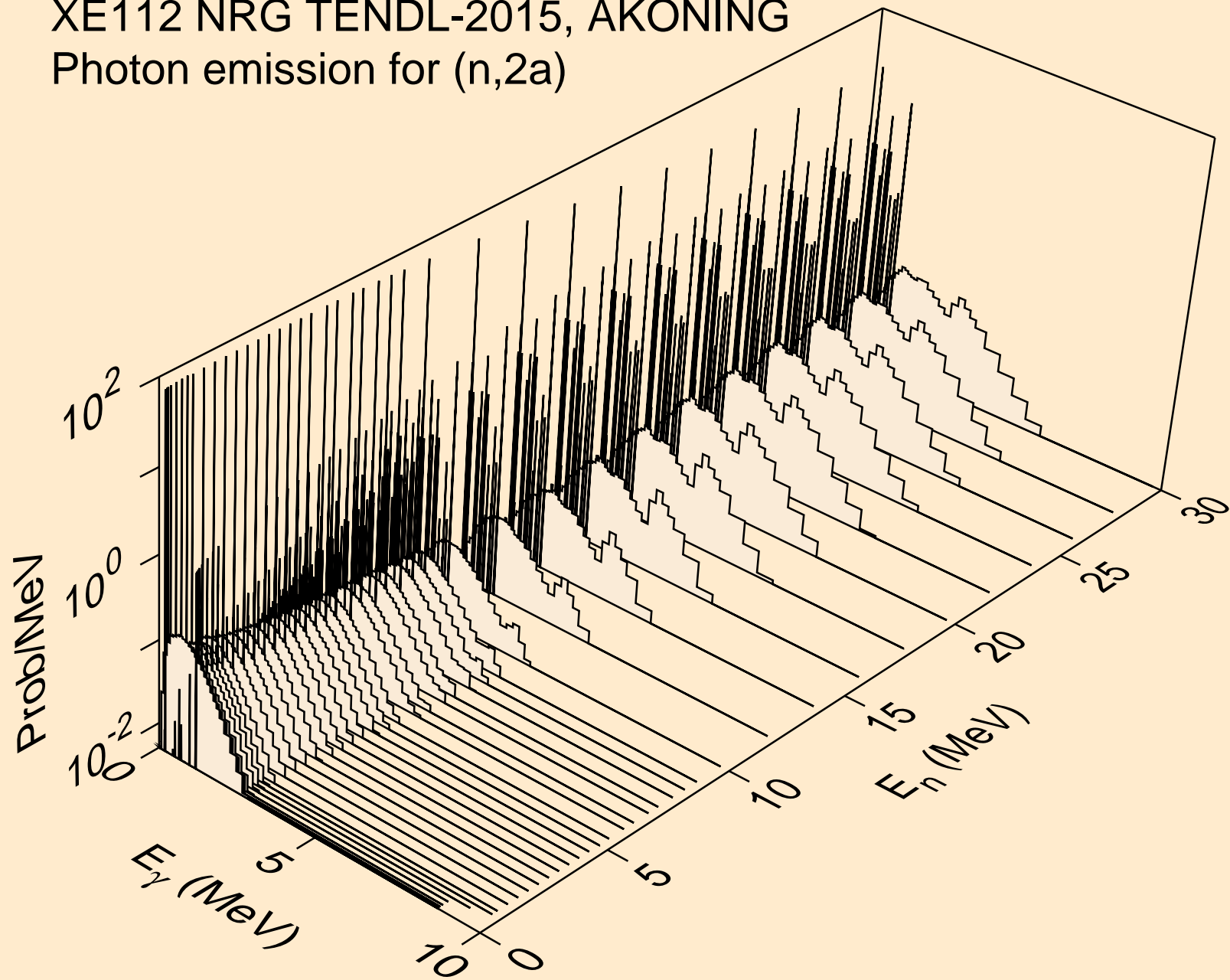




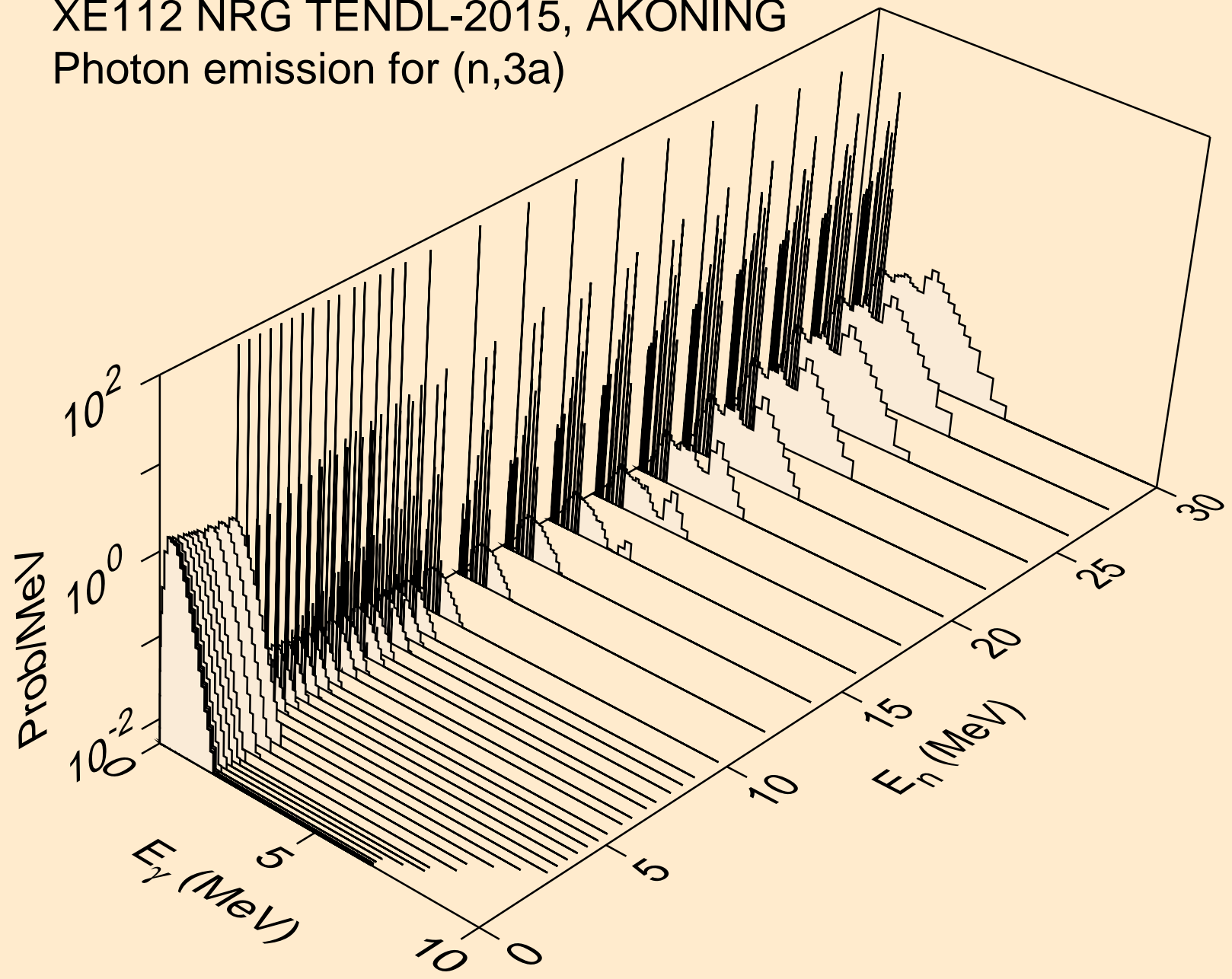
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



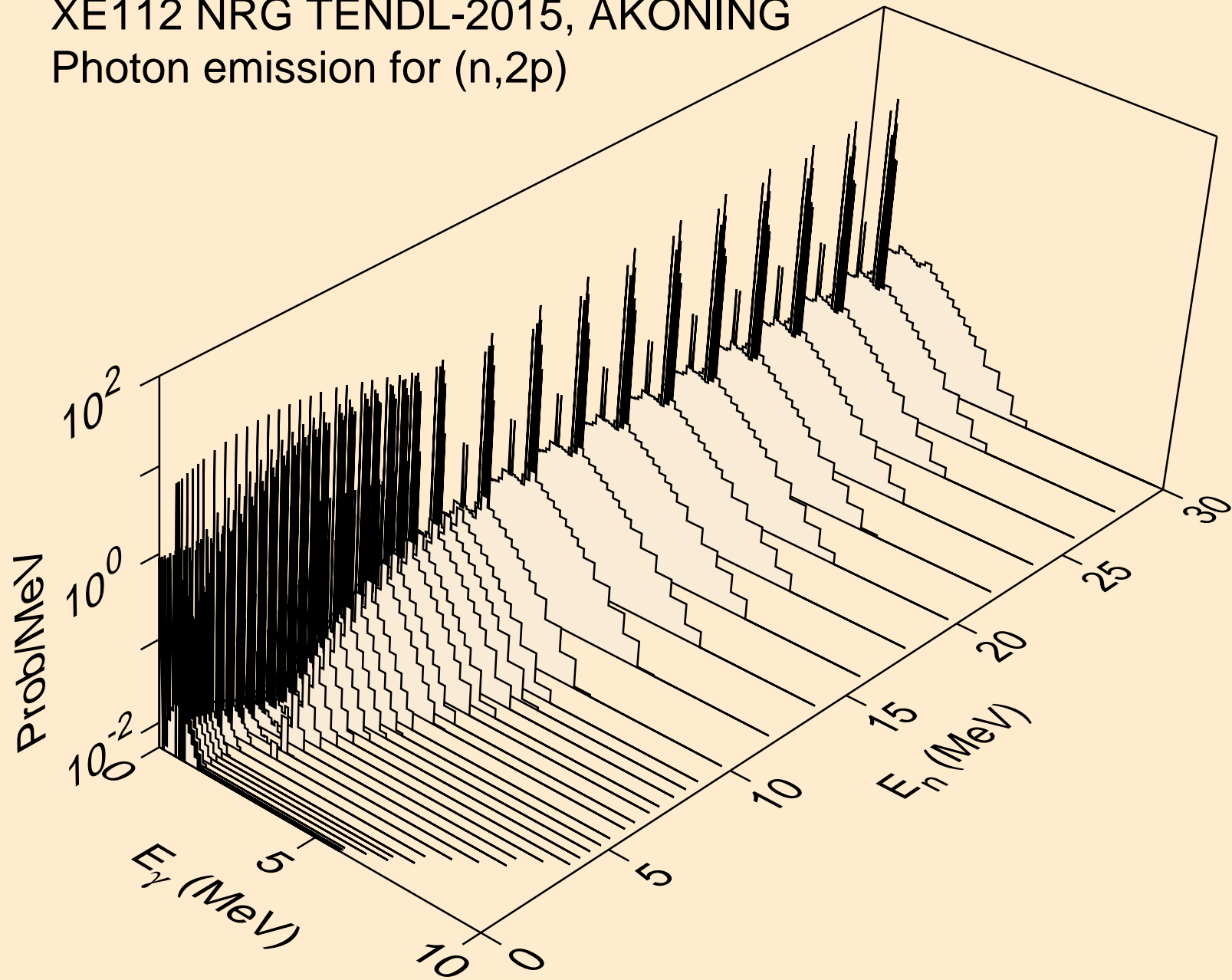
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Photon emission for (n,2a)



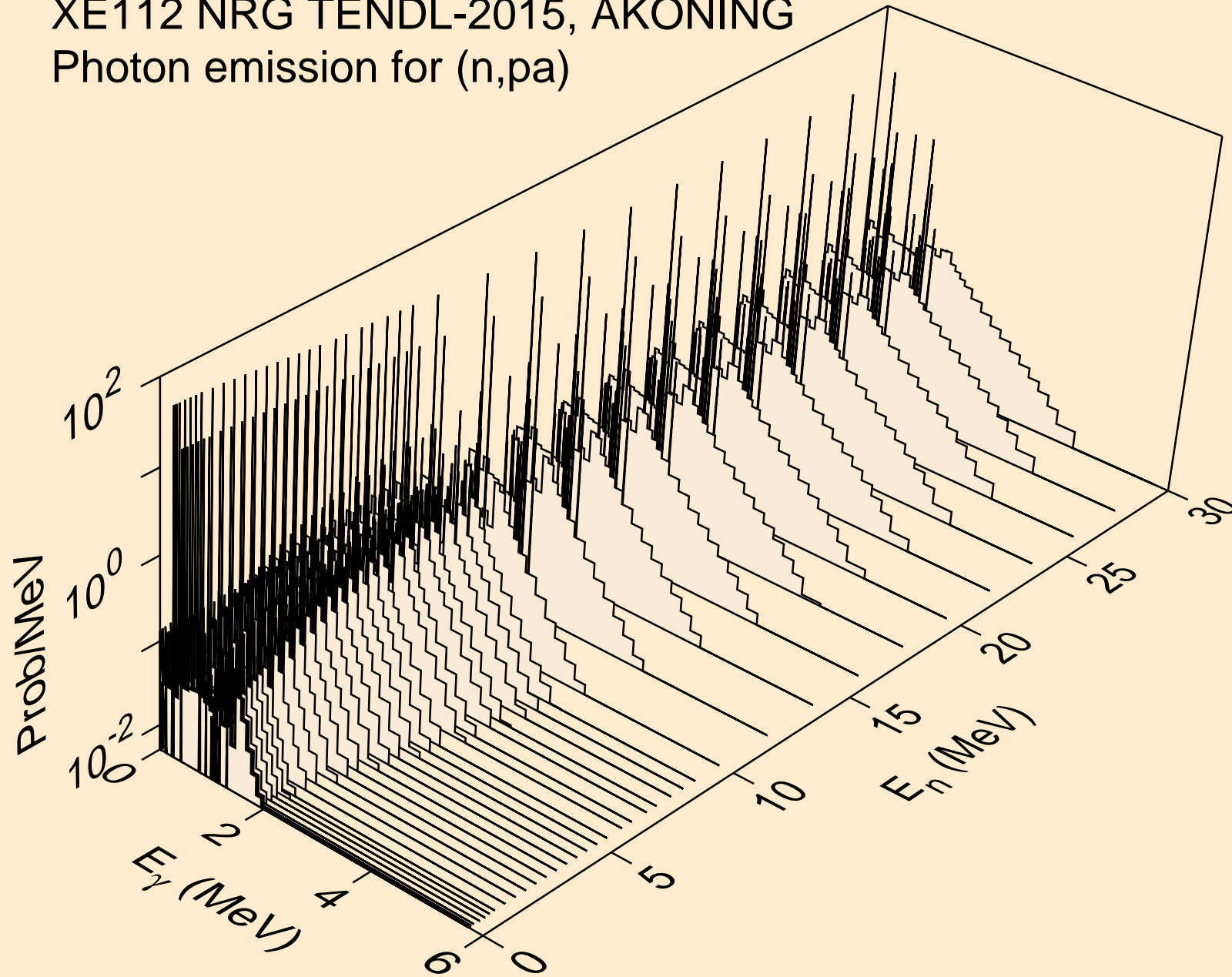
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



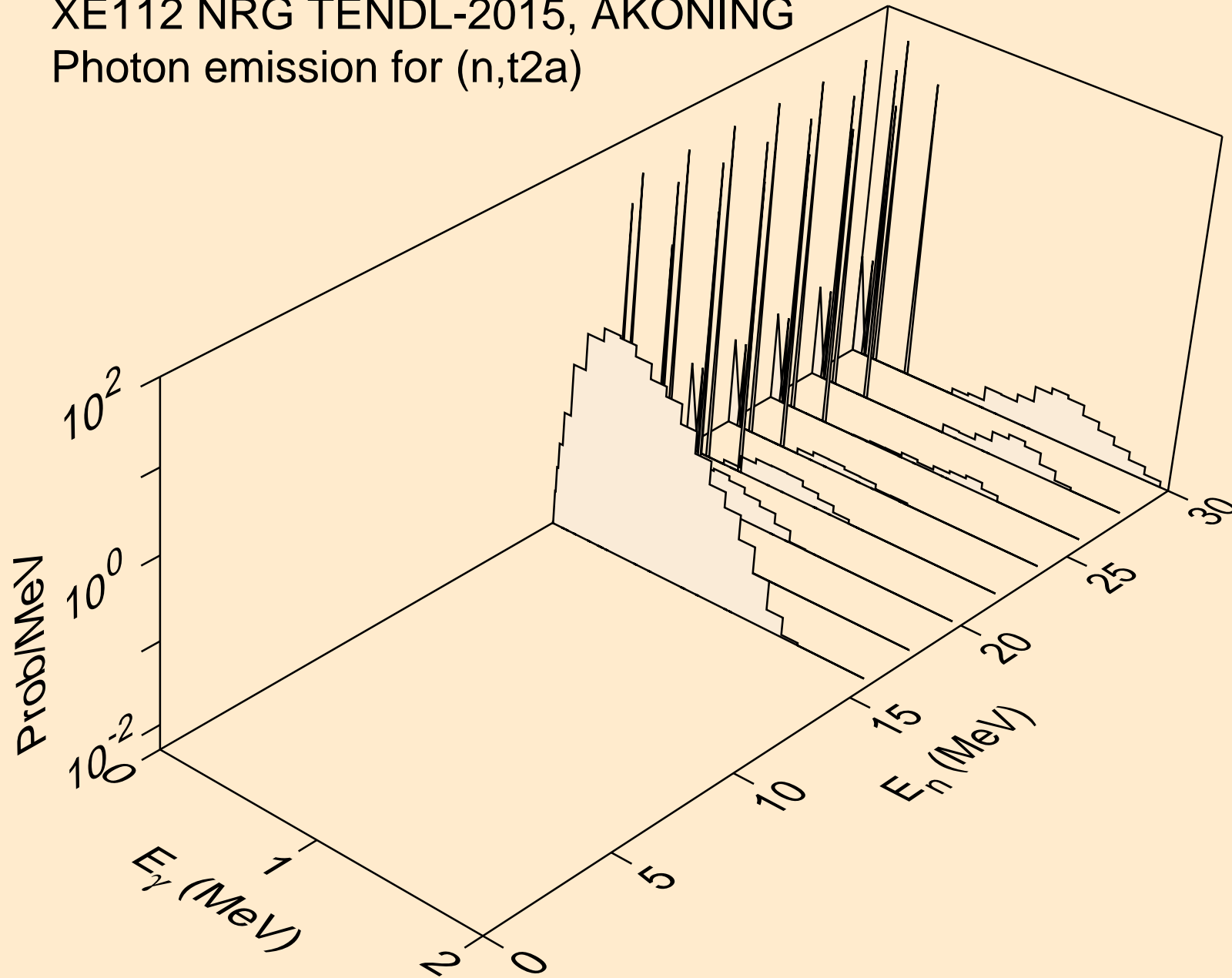
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Photon emission for (n,2p)



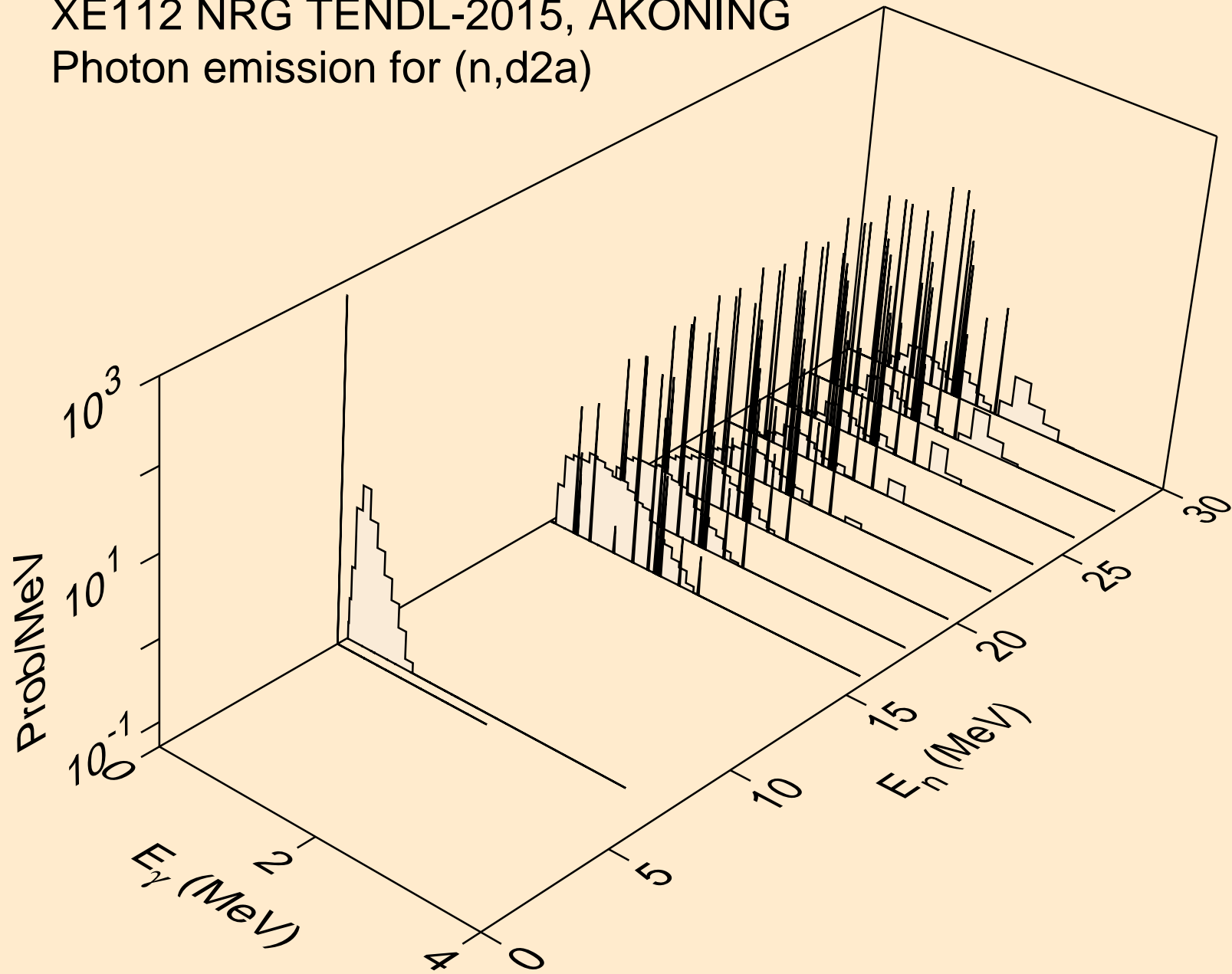
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Photon emission for (n,p $\alpha$ )



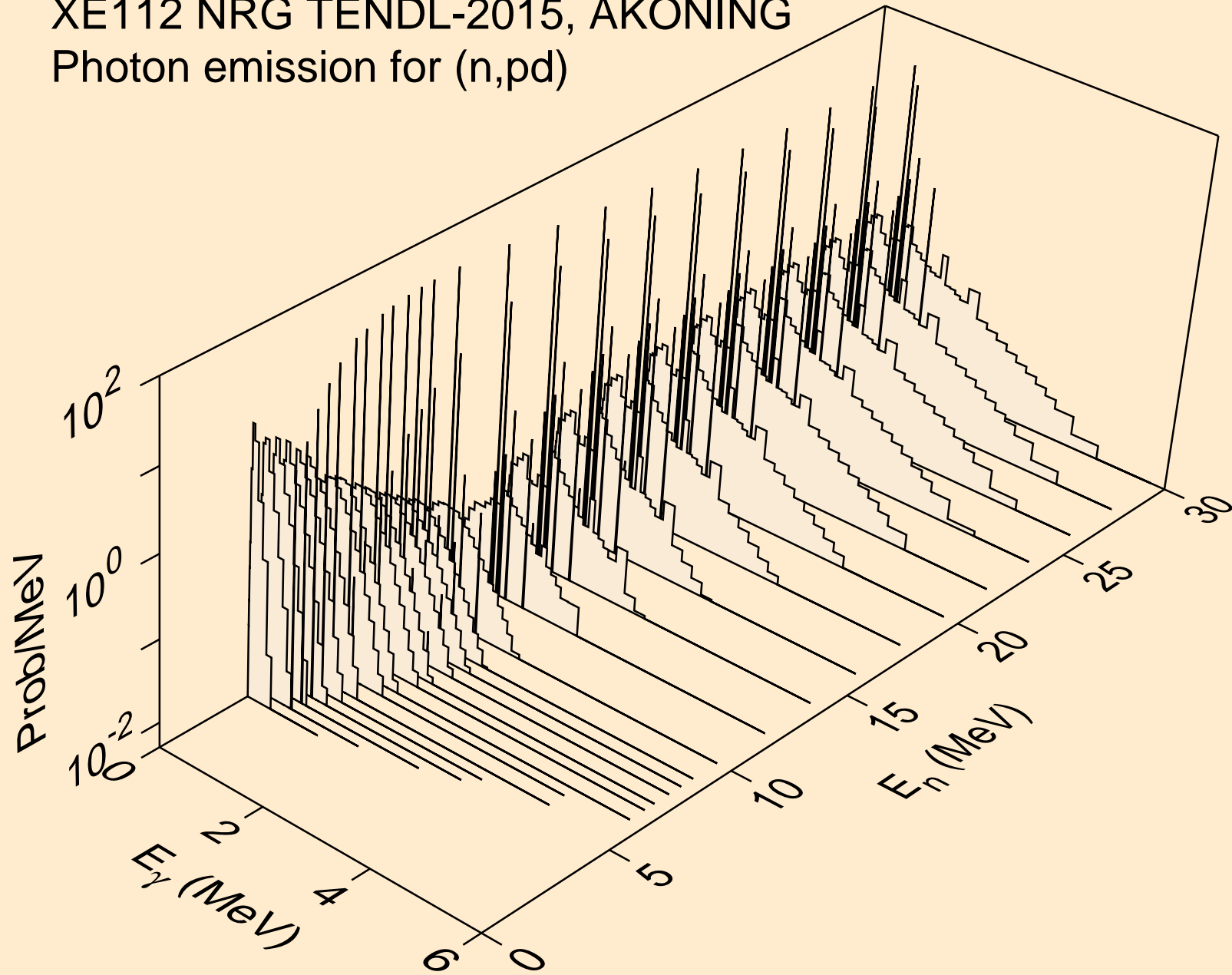
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)

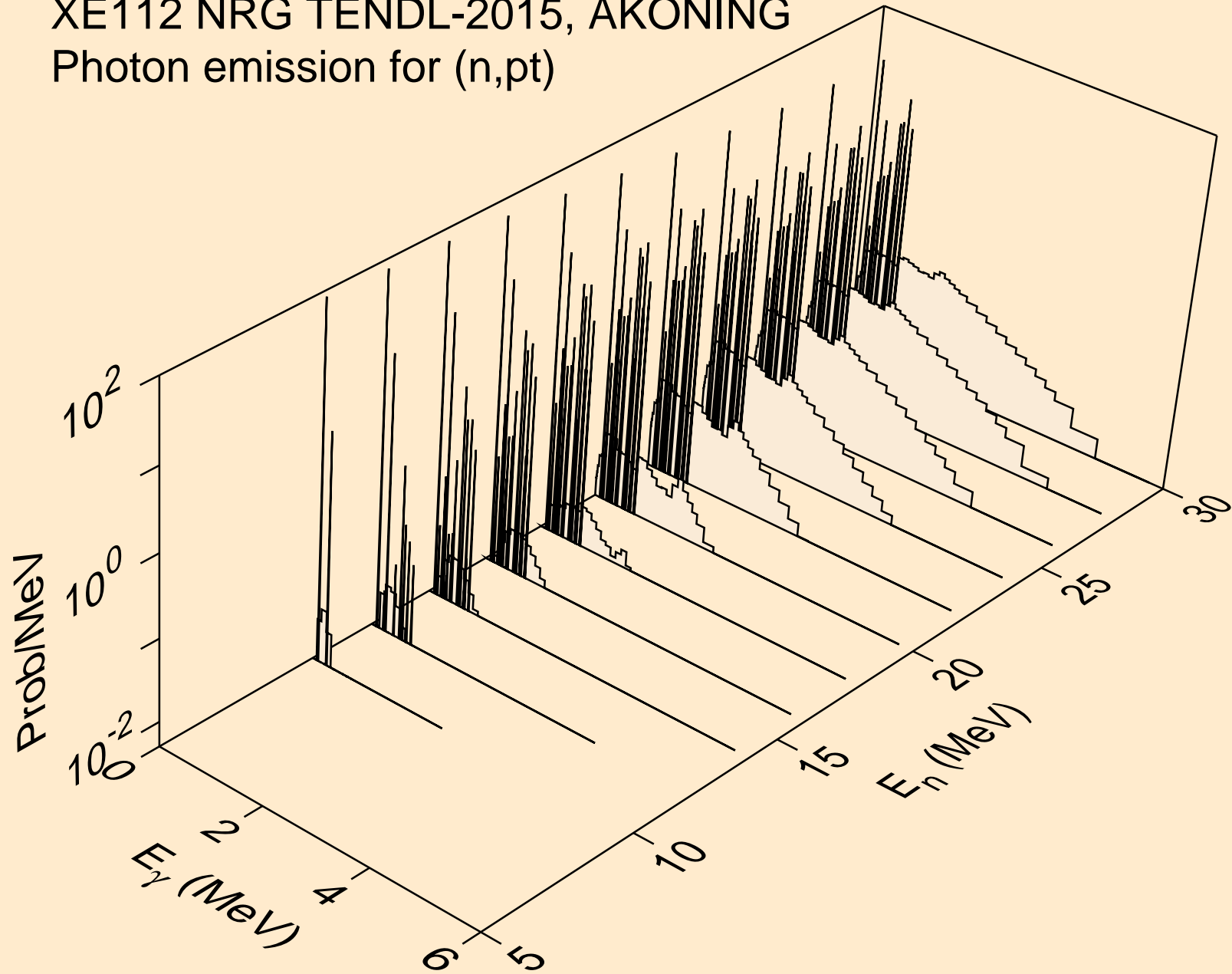


XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

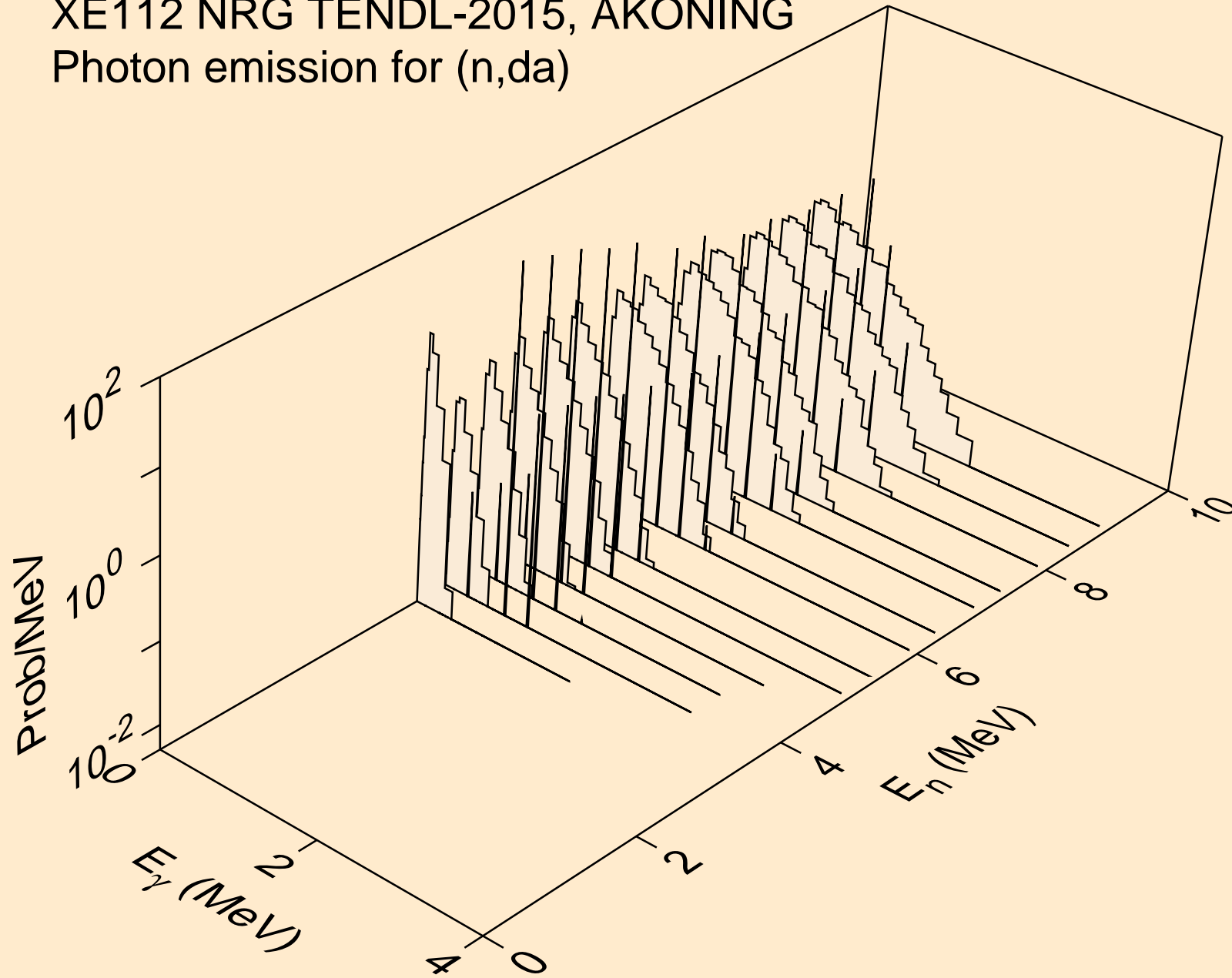




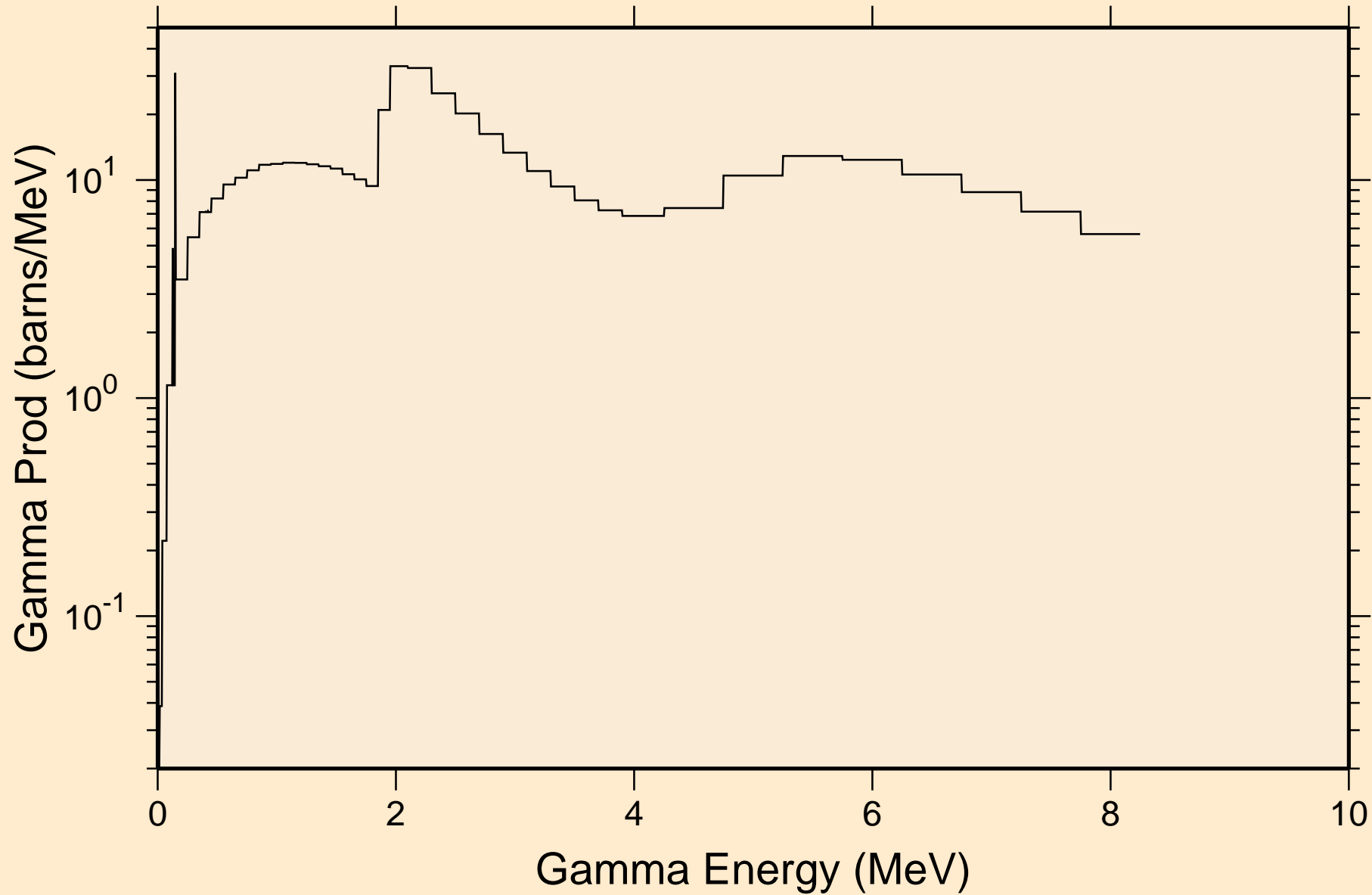
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



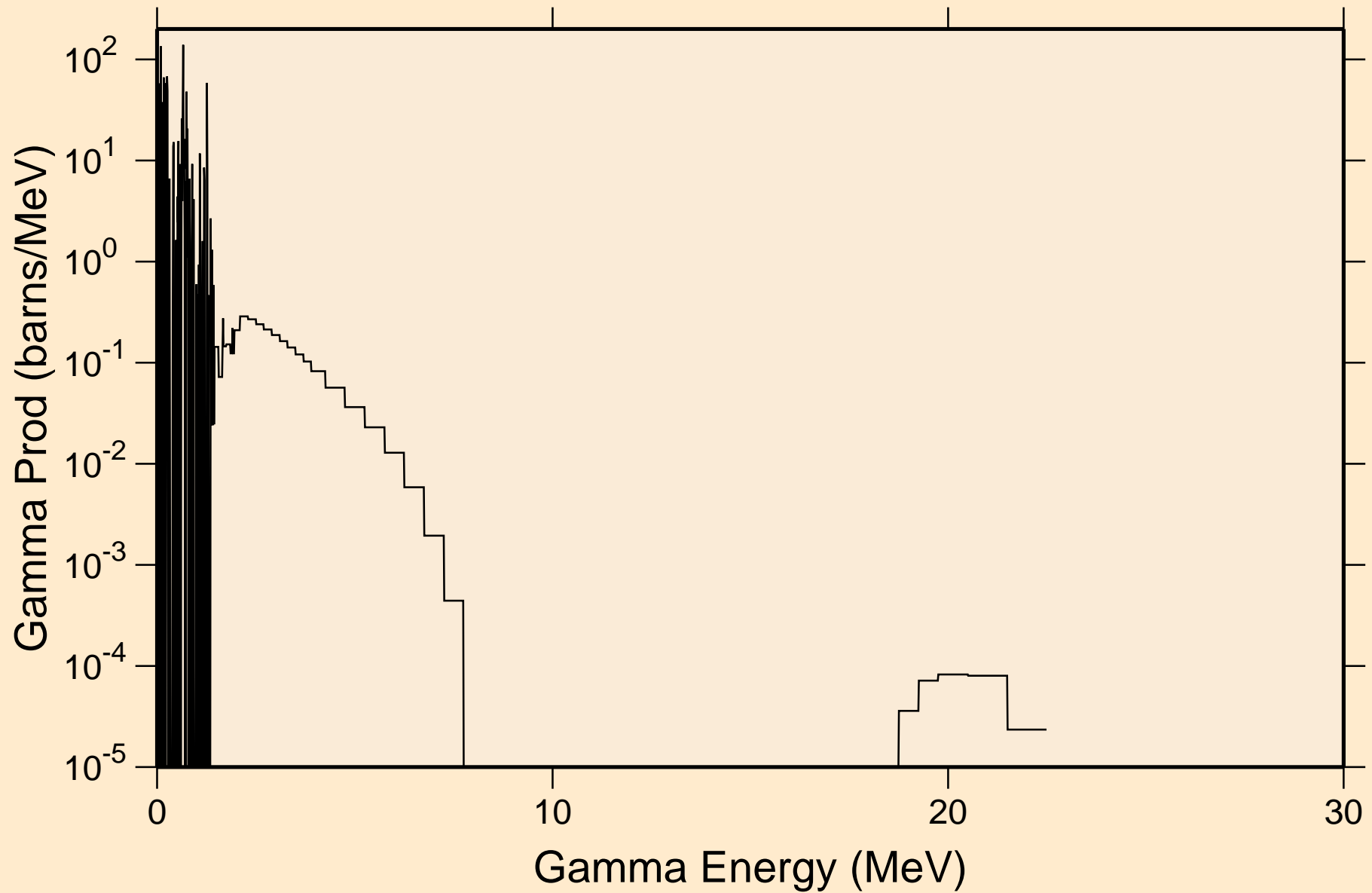
XE112 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



XE112 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

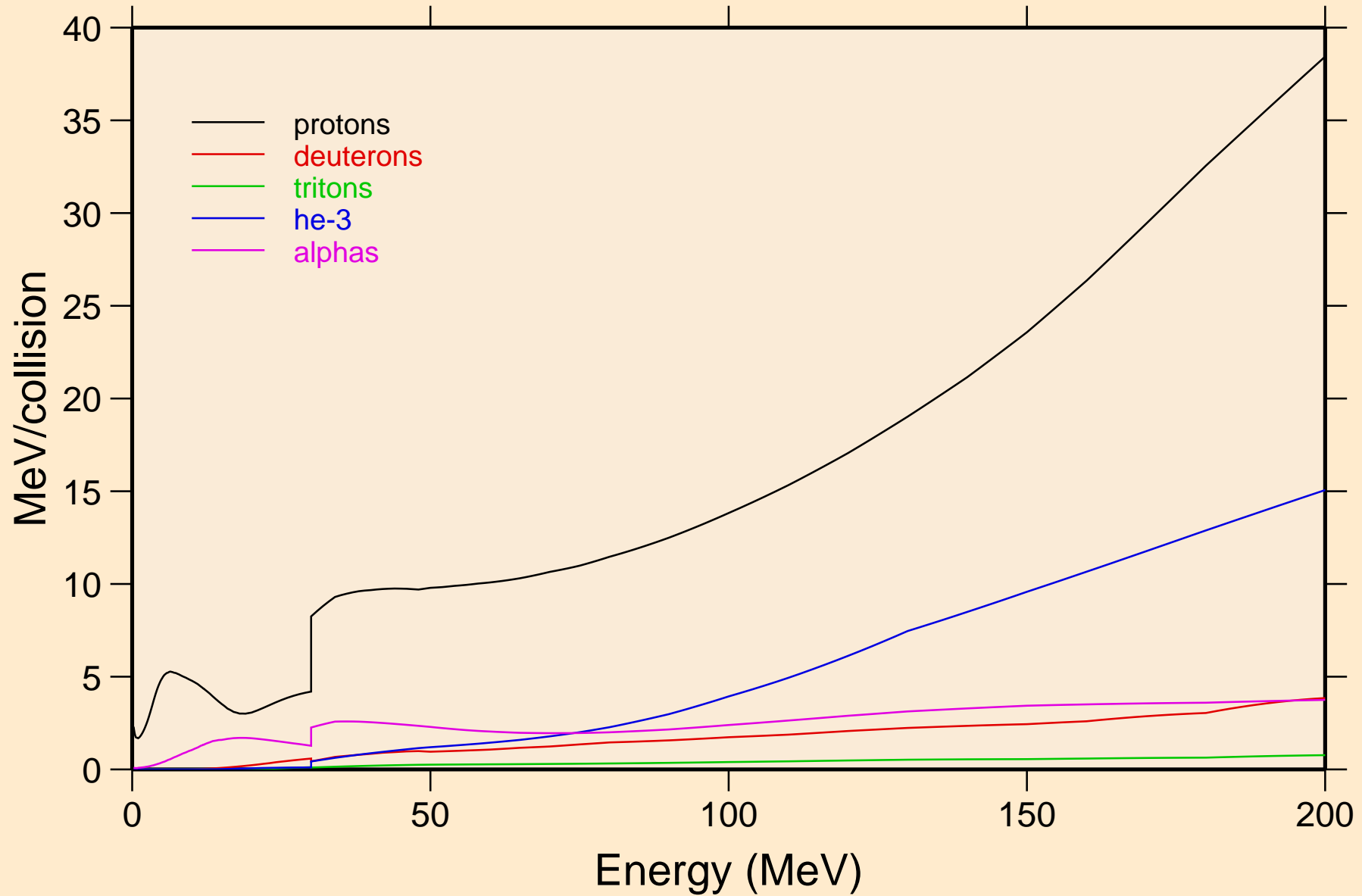


XE112 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



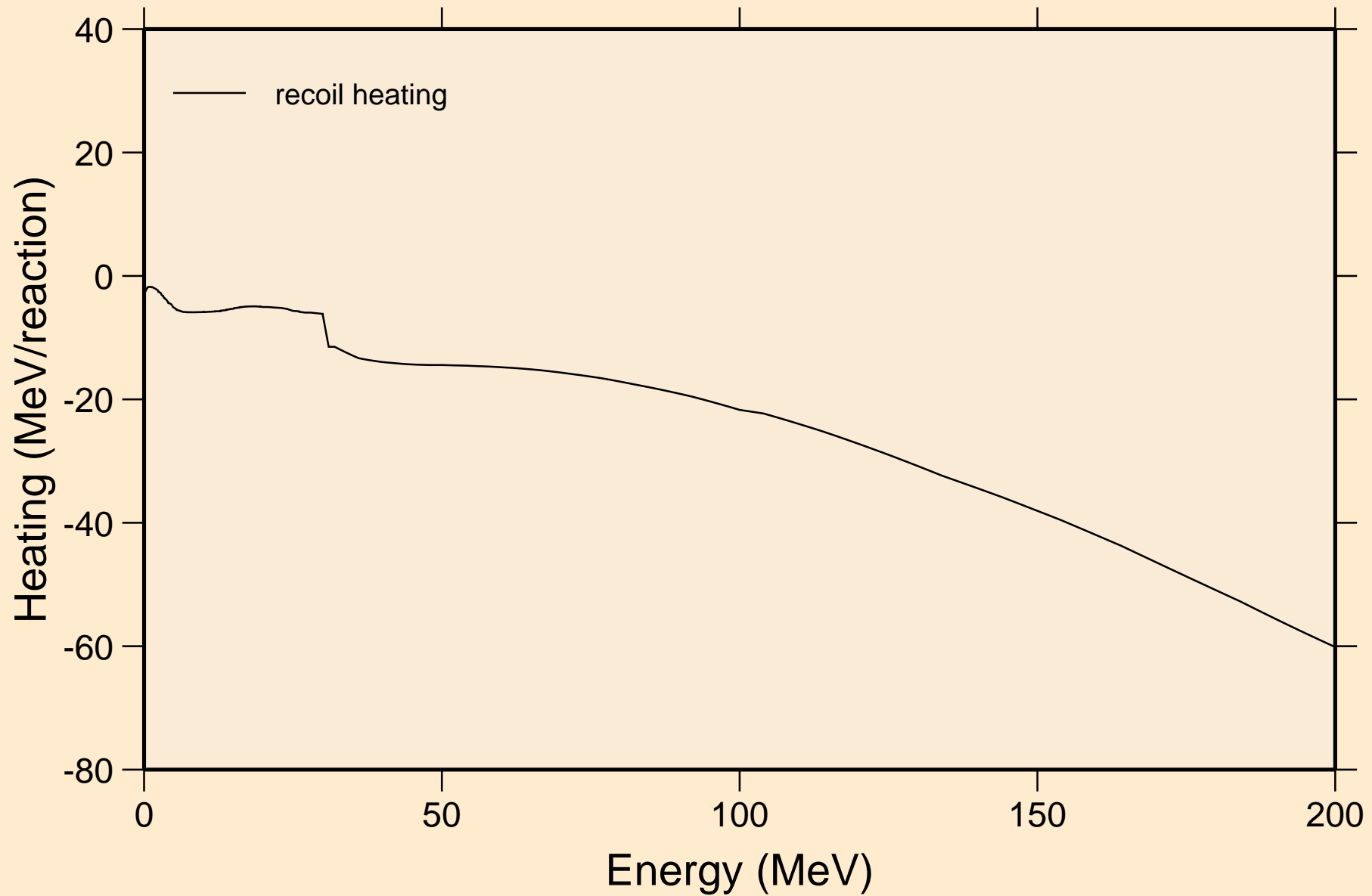
# XE112 NRG TENDL-2015, AKONING

## Particle heating contributions



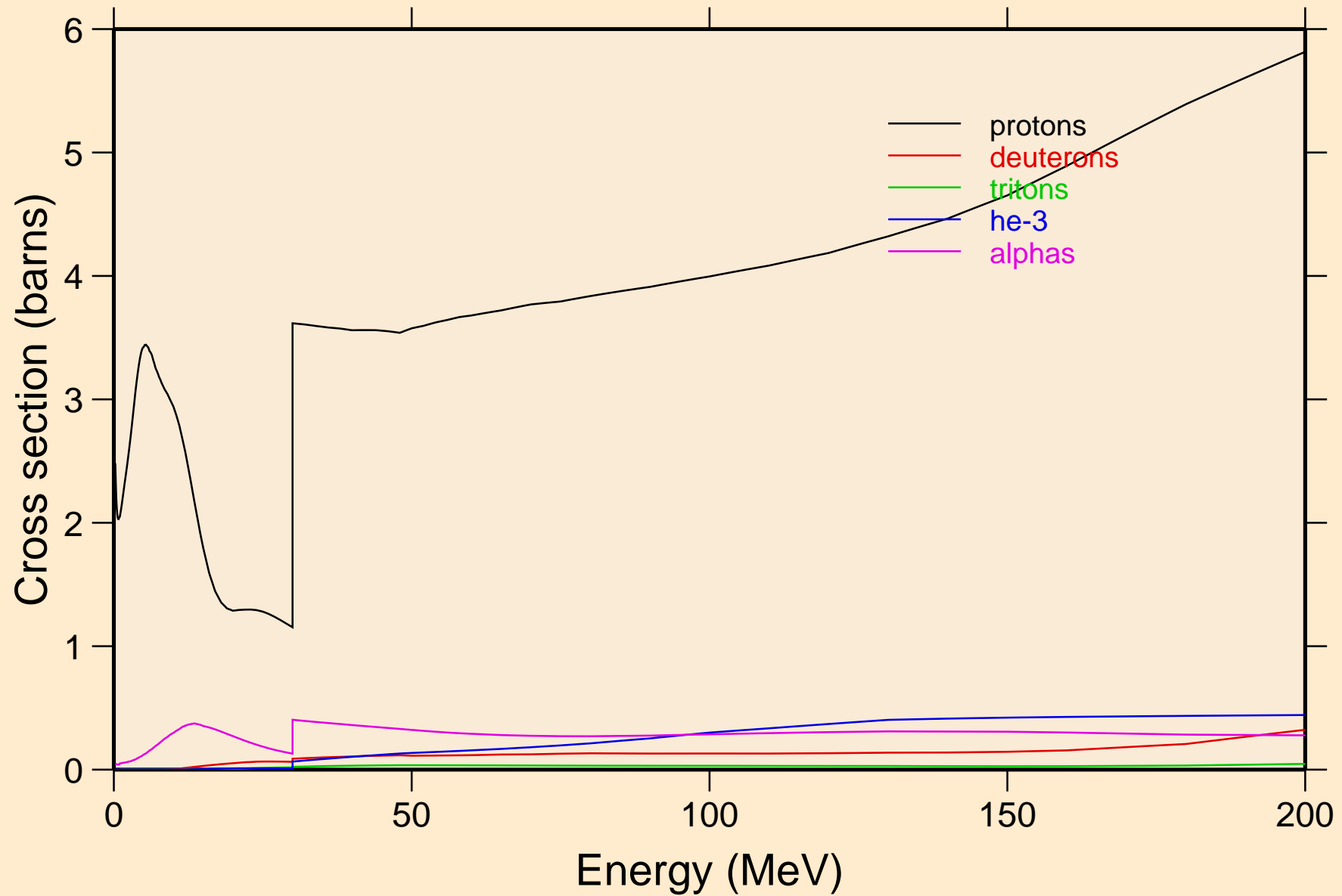
# XE112 NRG TENDL-2015, AKONING

## Recoil Heating

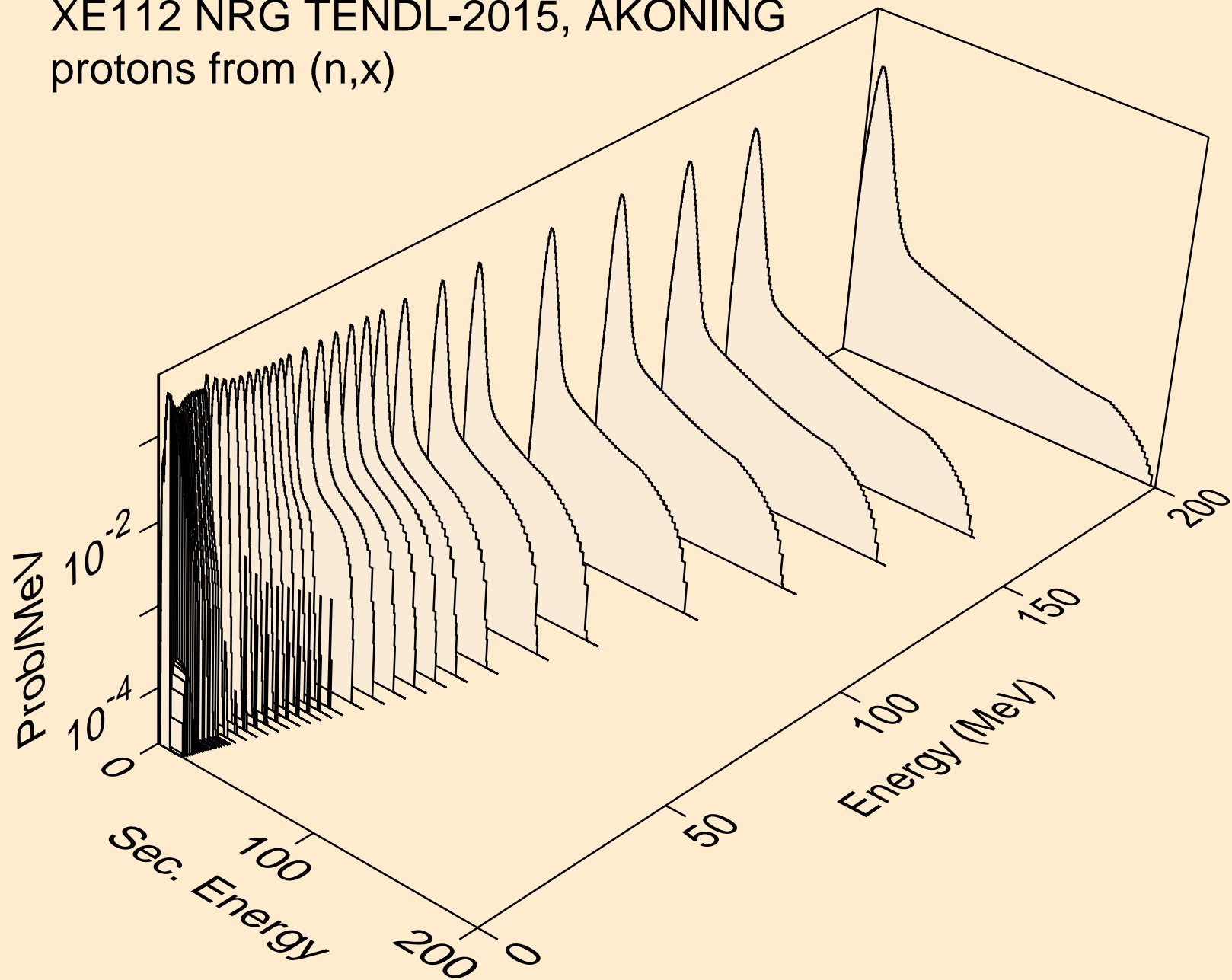


# XE112 NRG TENDL-2015, AKONING

## Particle production cross sections

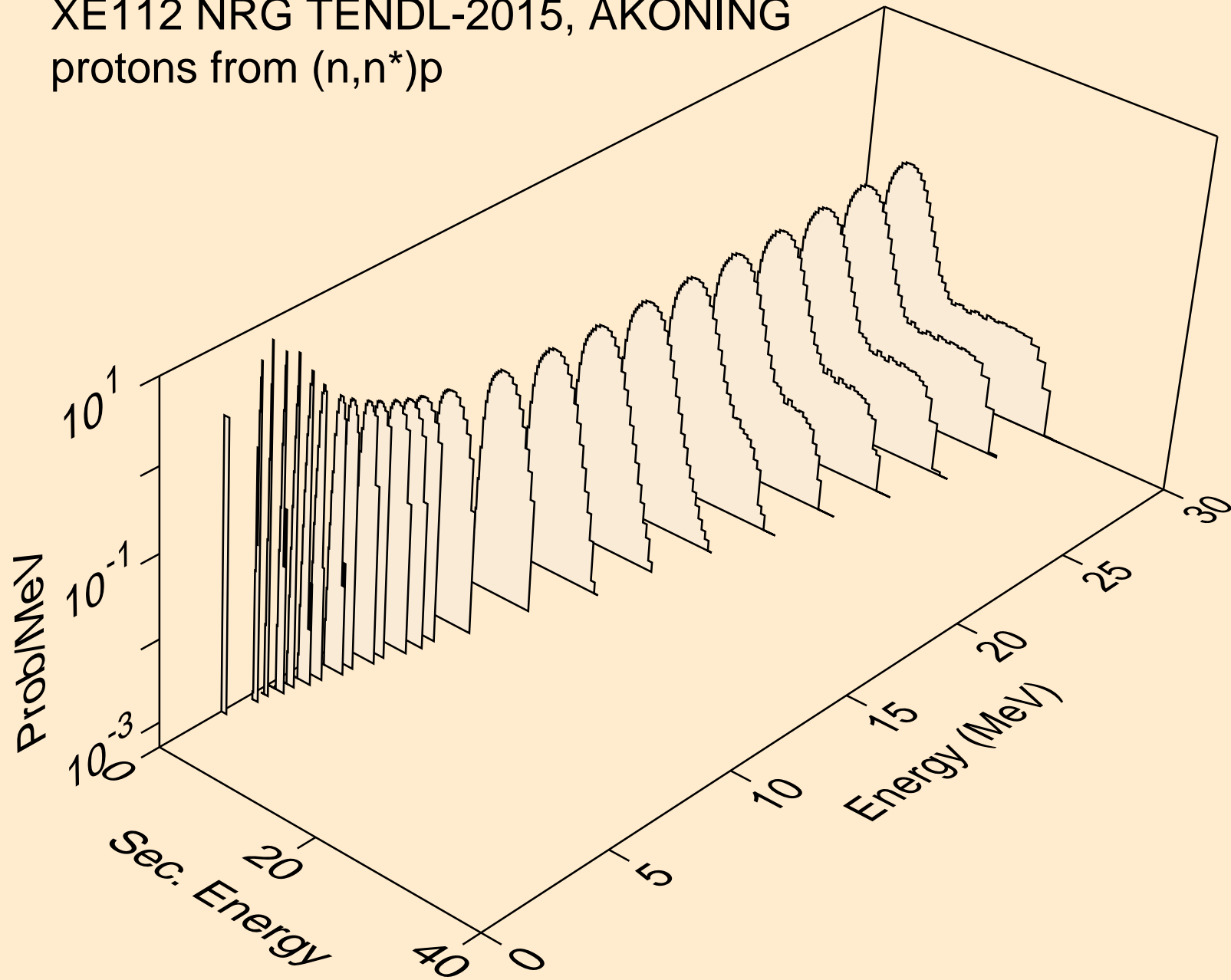


XE112 NRG TENDL-2015, AKONING  
protons from (n,x)

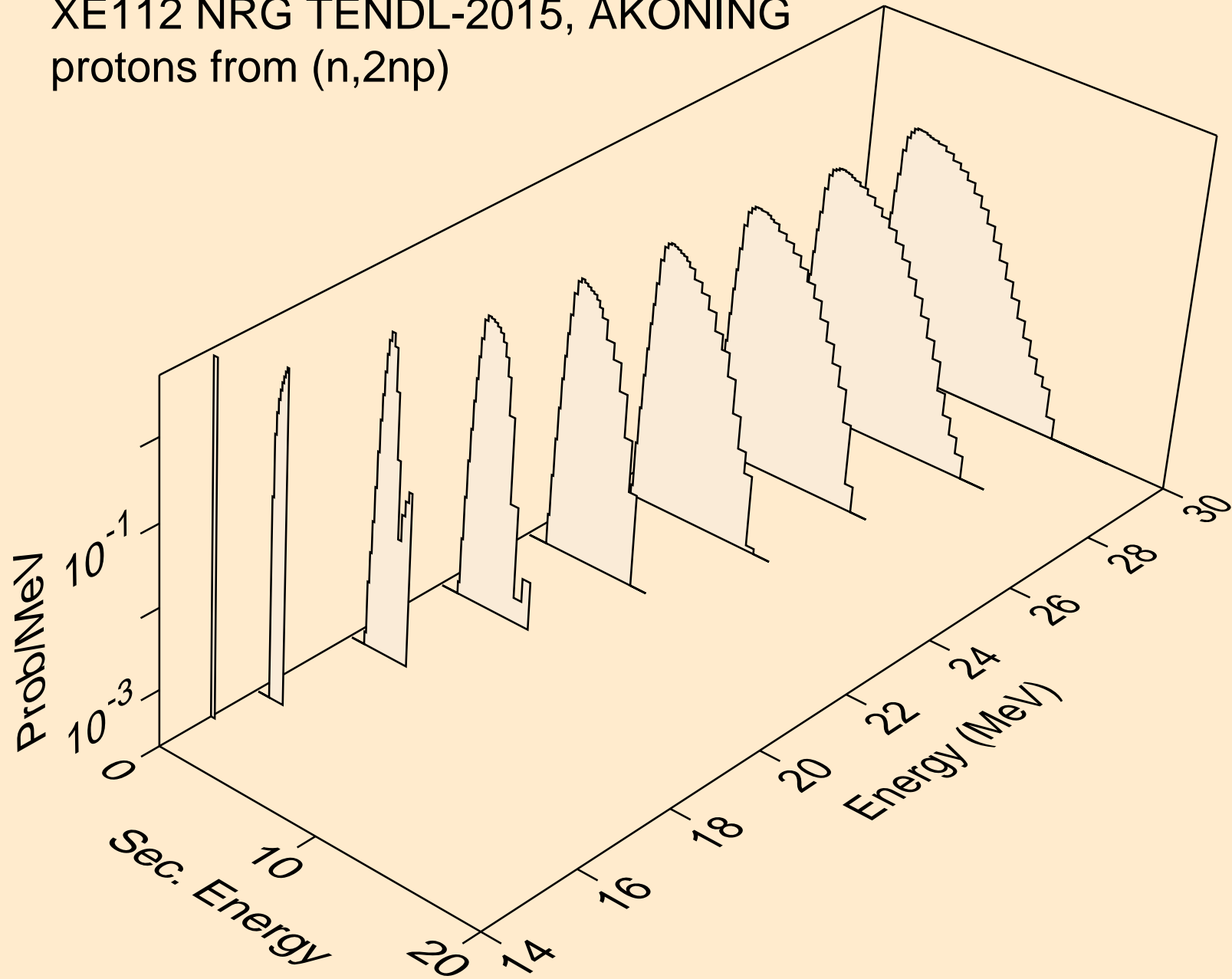




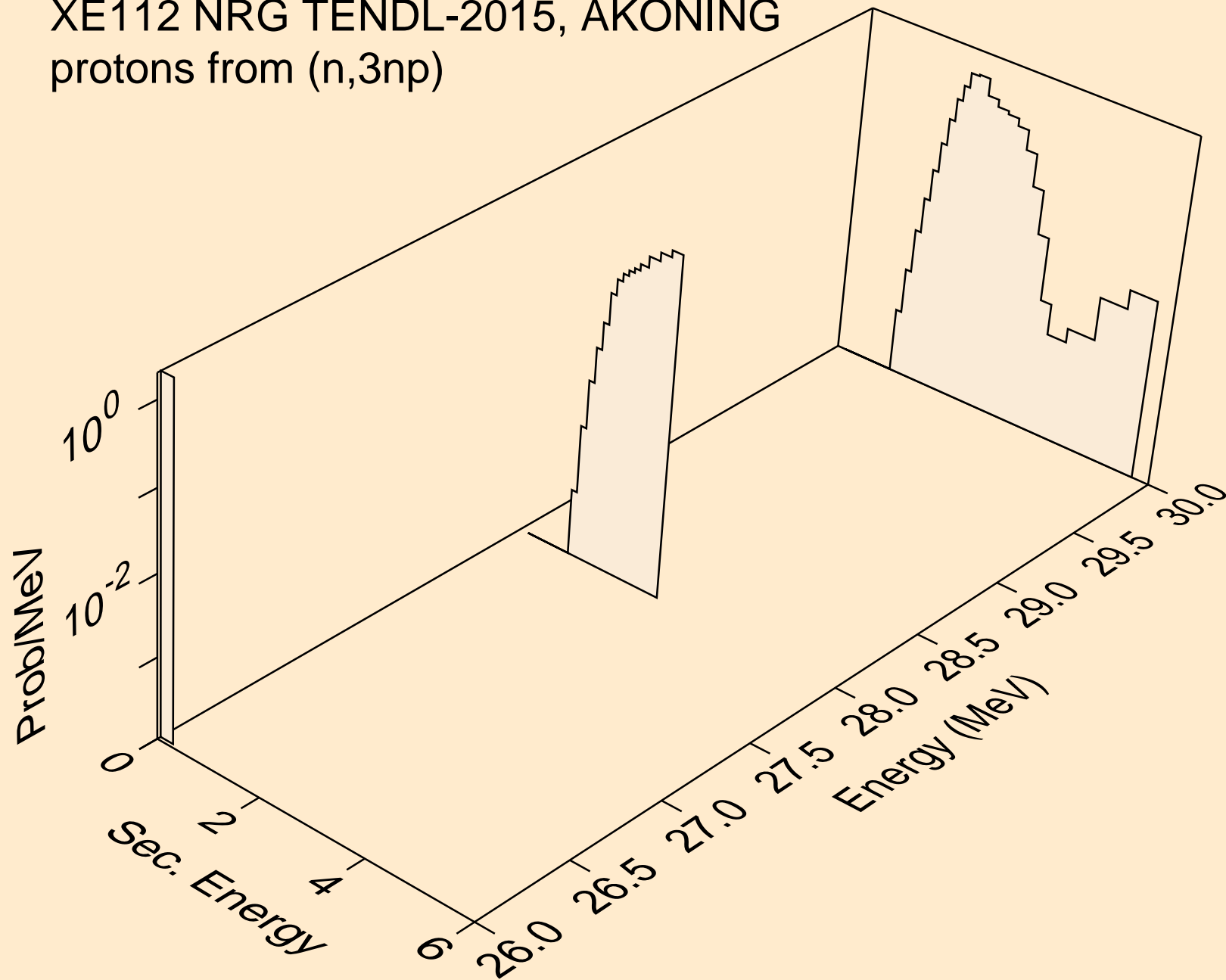
XE112 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



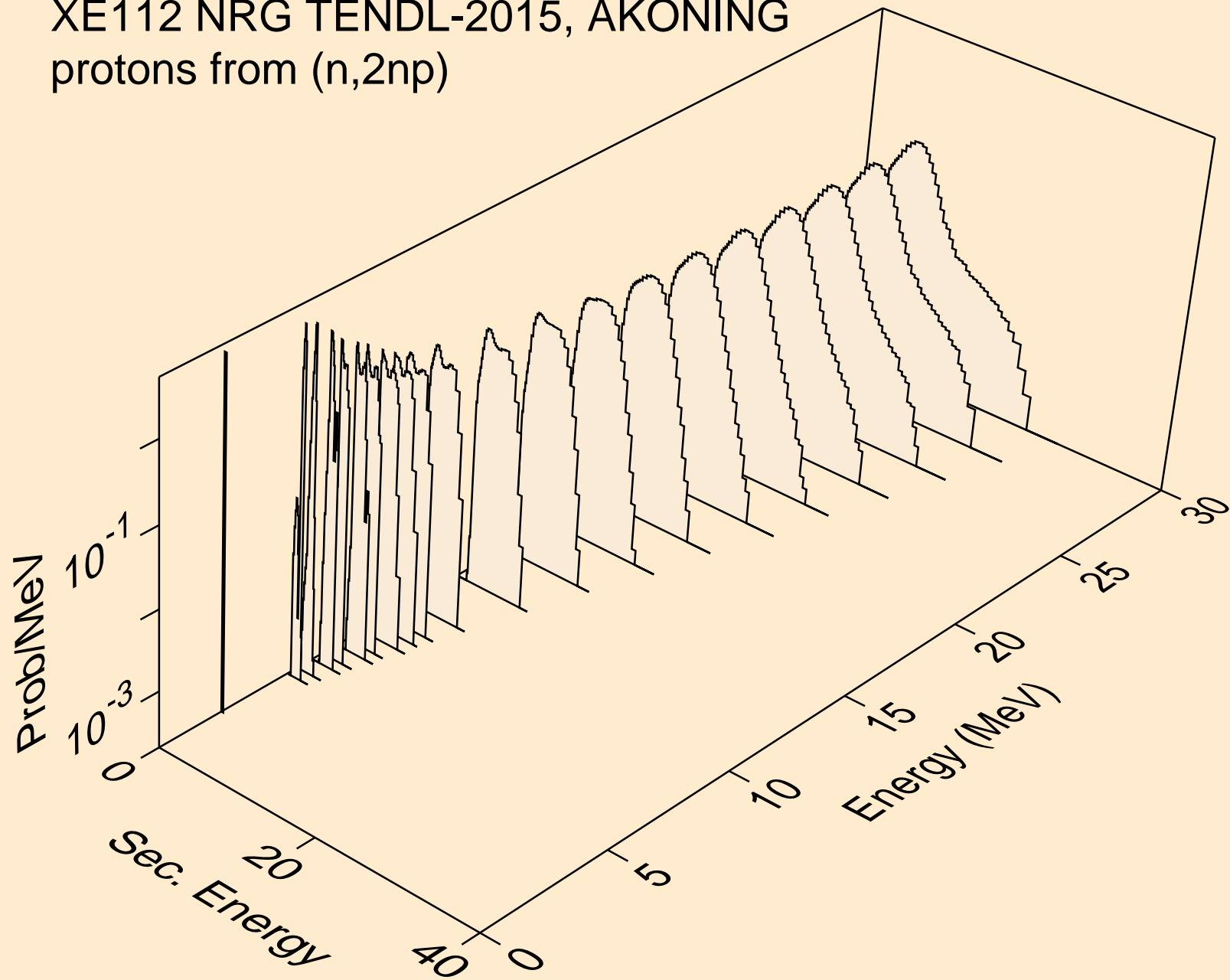
XE112 NRG TENDL-2015, AKONING  
protons from (n,2np)



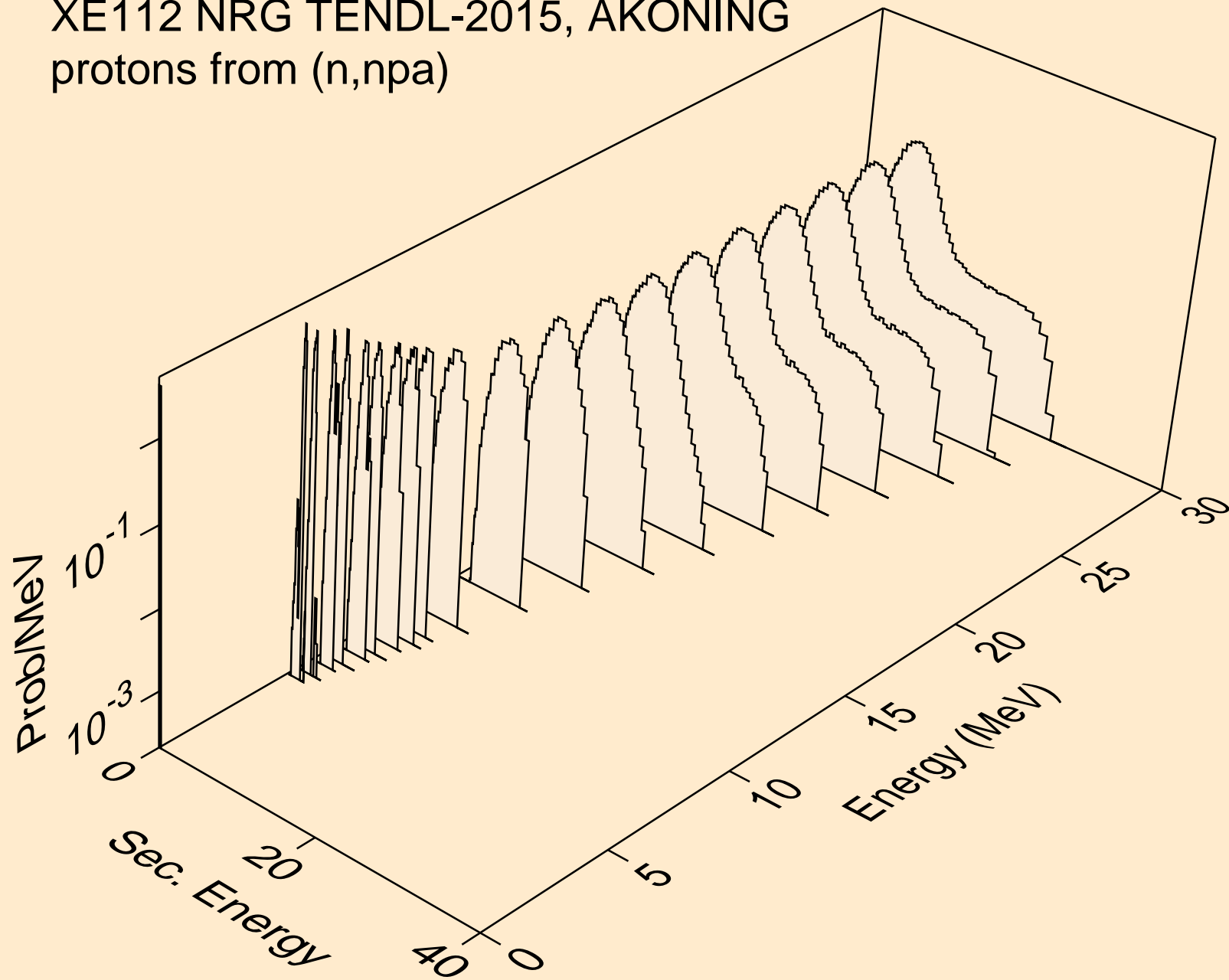
XE112 NRG TENDL-2015, AKONING  
protons from (n,3np)



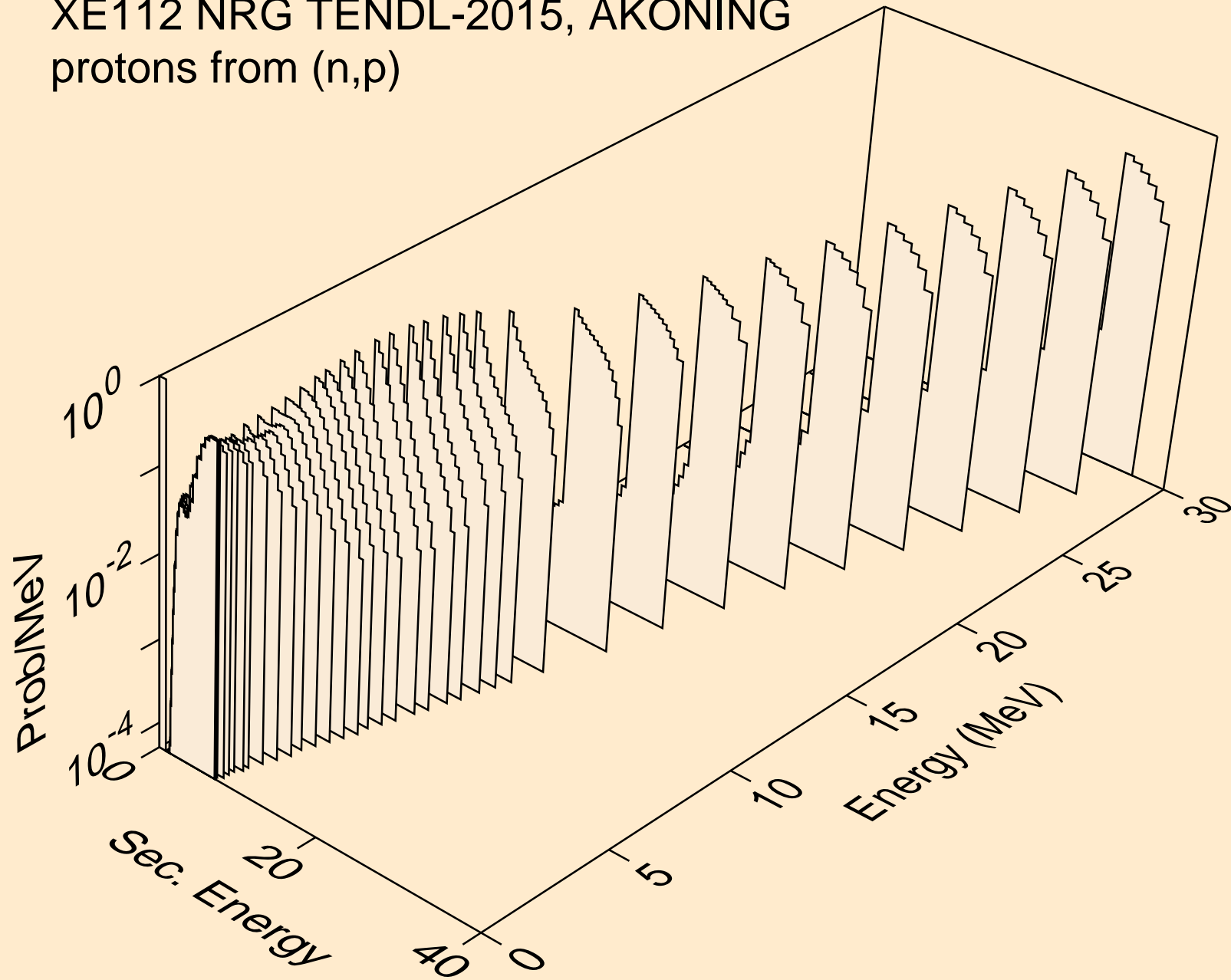
XE112 NRG TENDL-2015, AKONING  
protons from (n,2np)



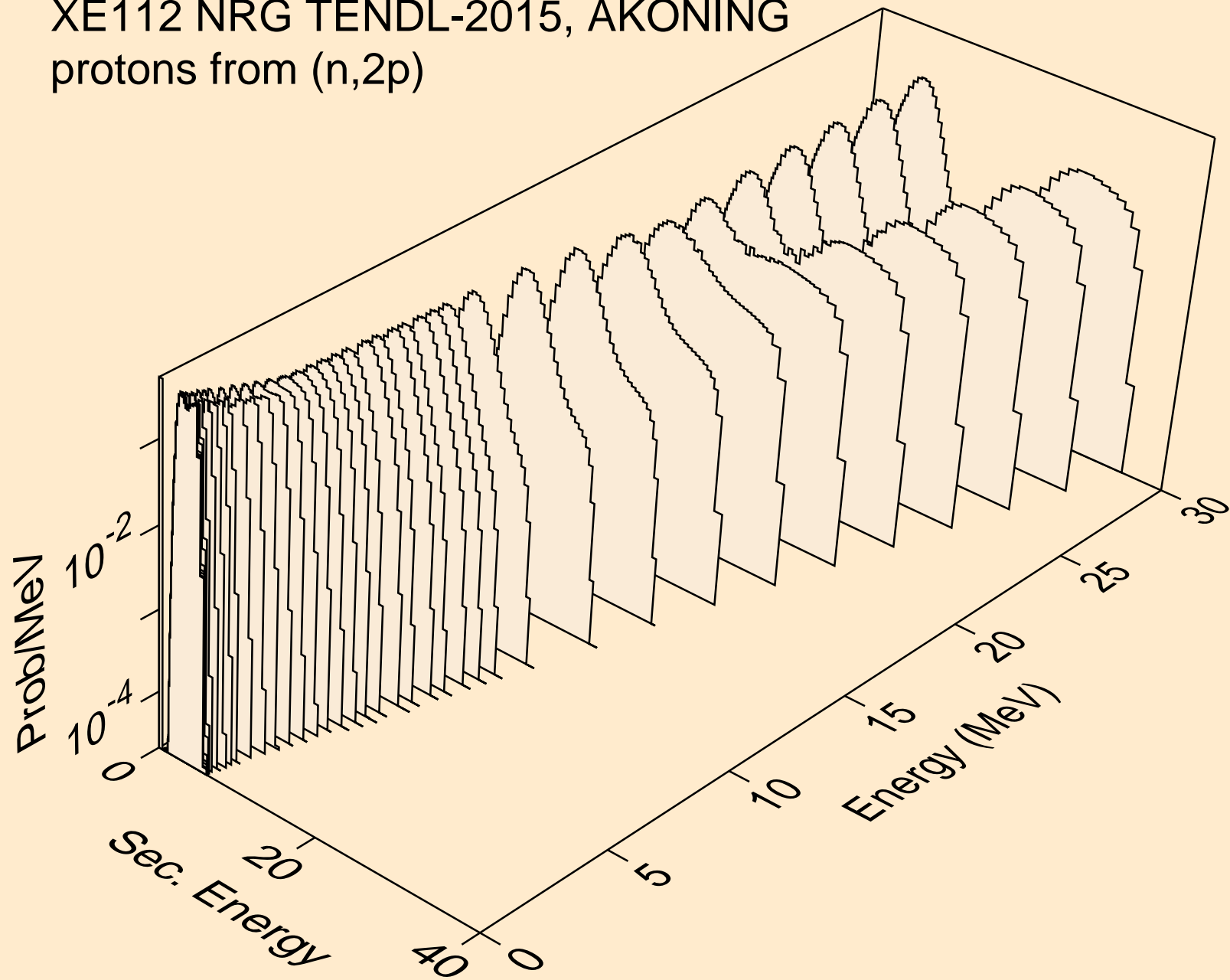
XE112 NRG TENDL-2015, AKONING  
protons from (n,npa)



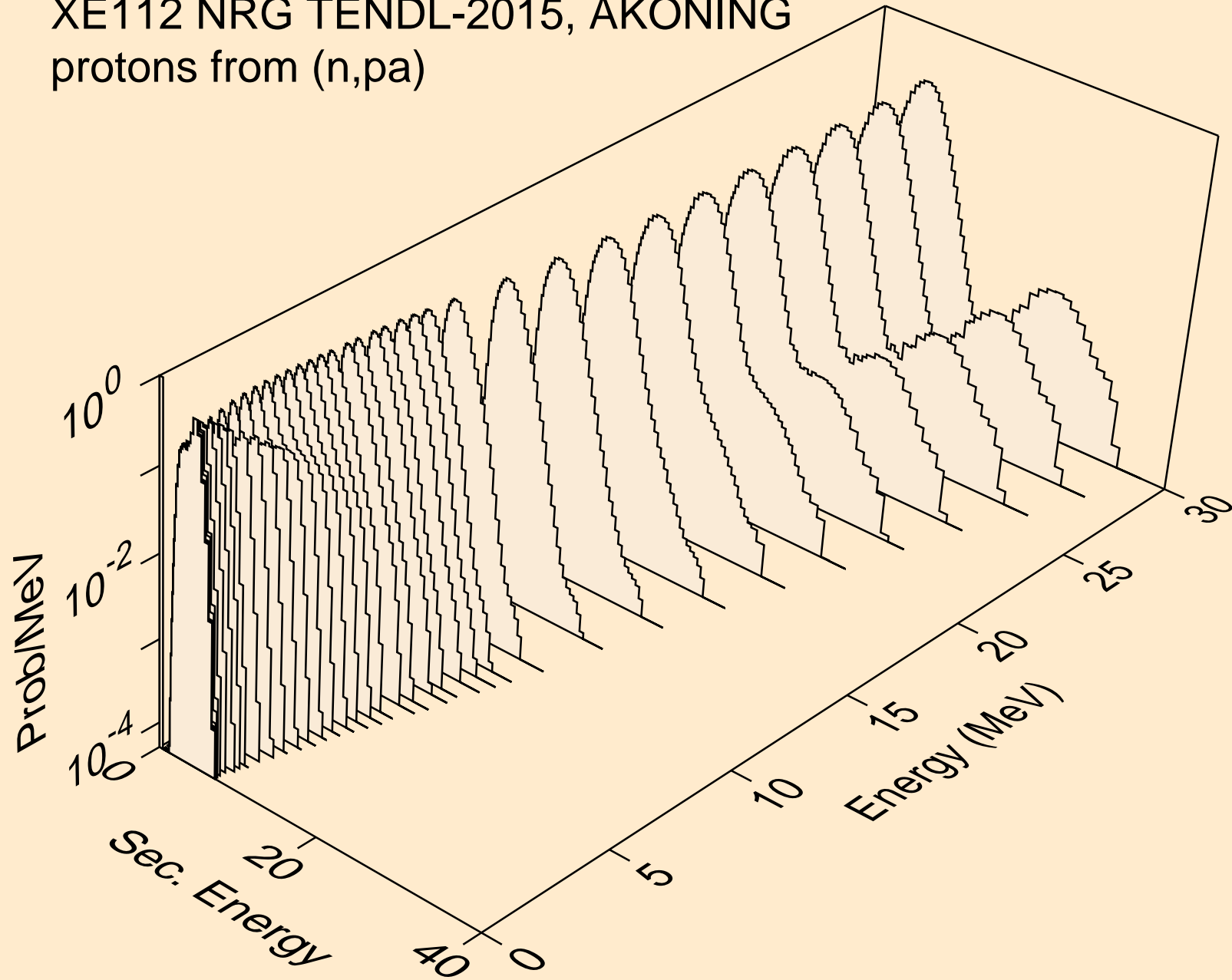
XE112 NRG TENDL-2015, AKONING  
protons from (n,p)



XE112 NRG TENDL-2015, AKONING  
protons from (n,2p)

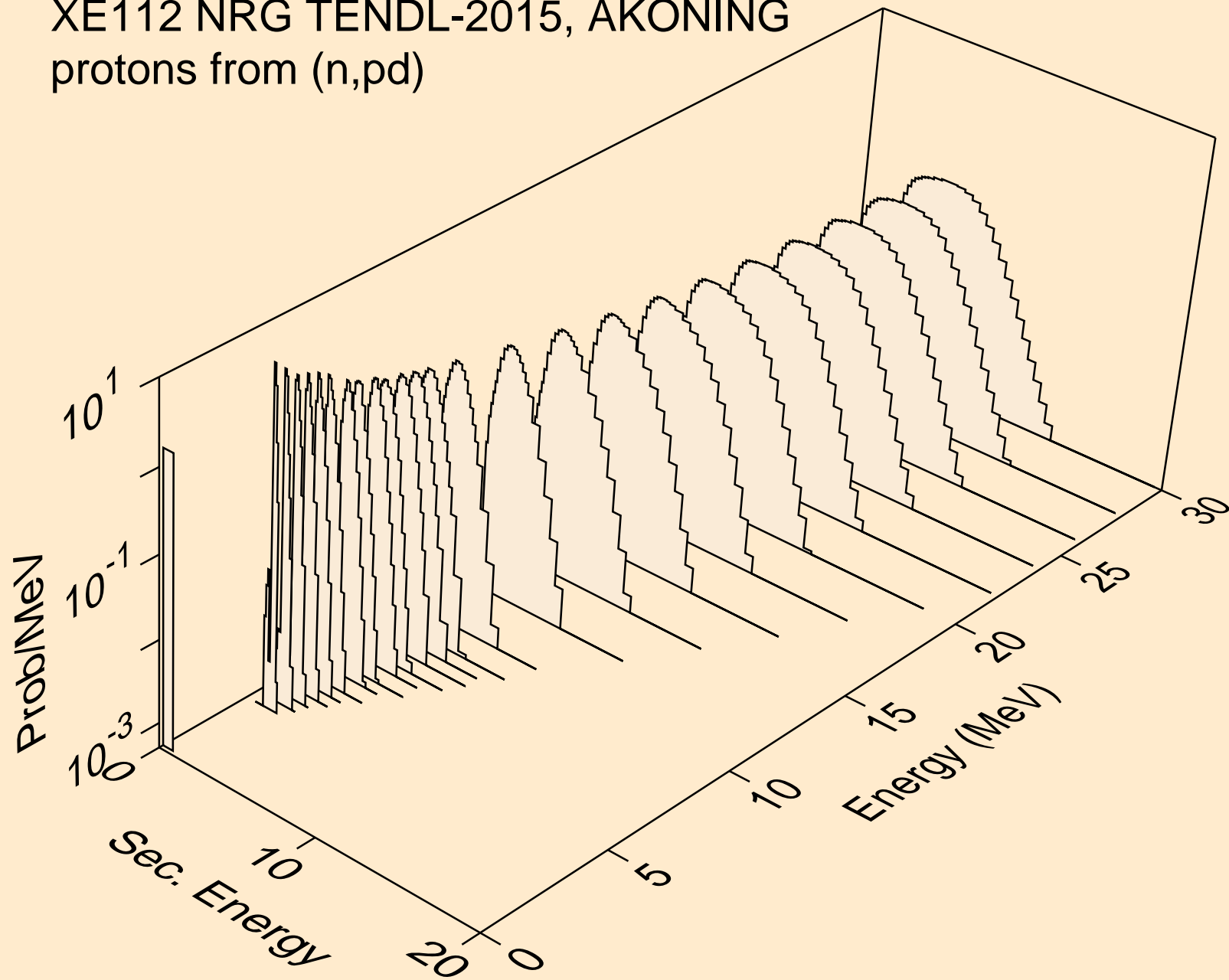


XE112 NRG TENDL-2015, AKONING  
protons from (n,pa)

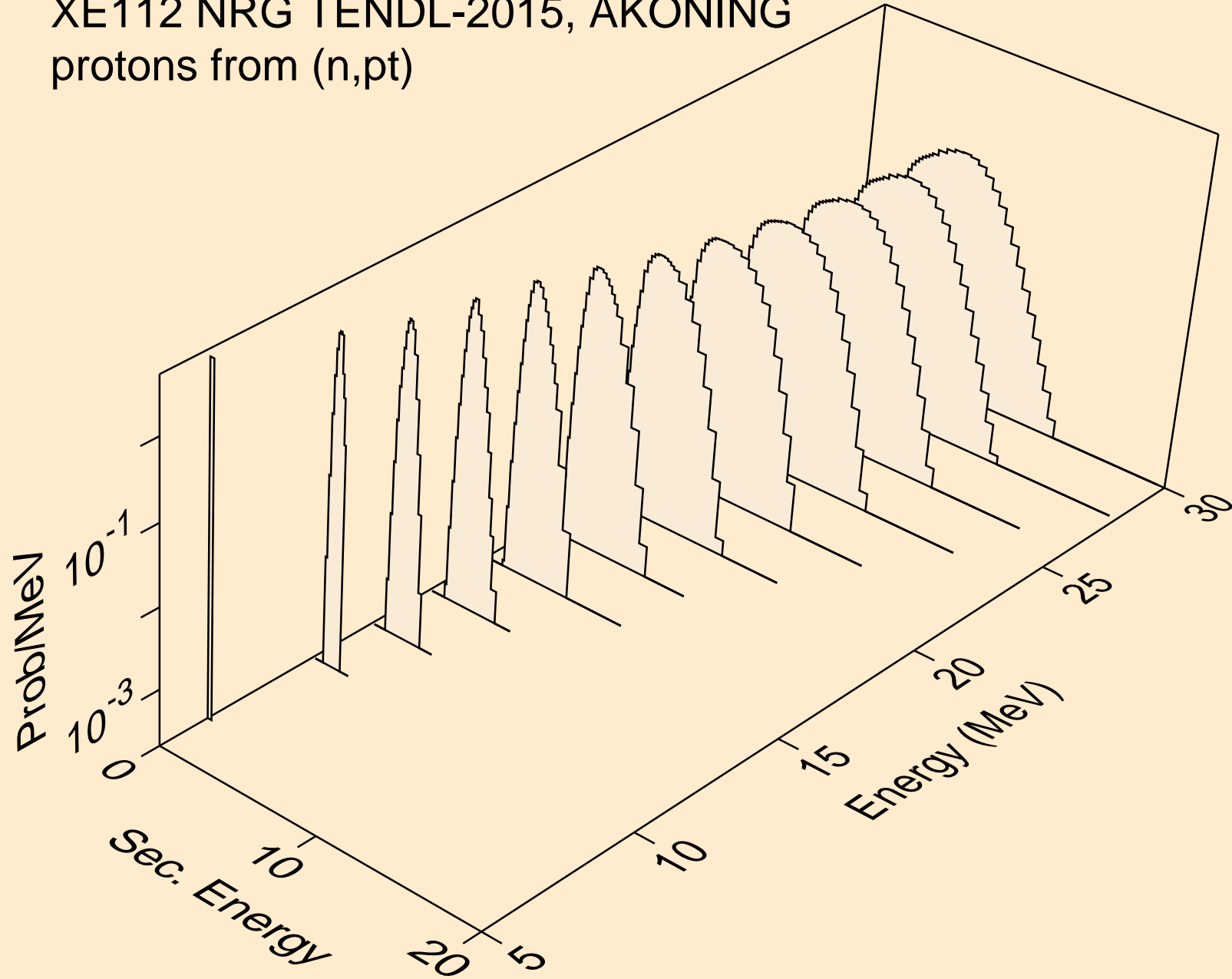




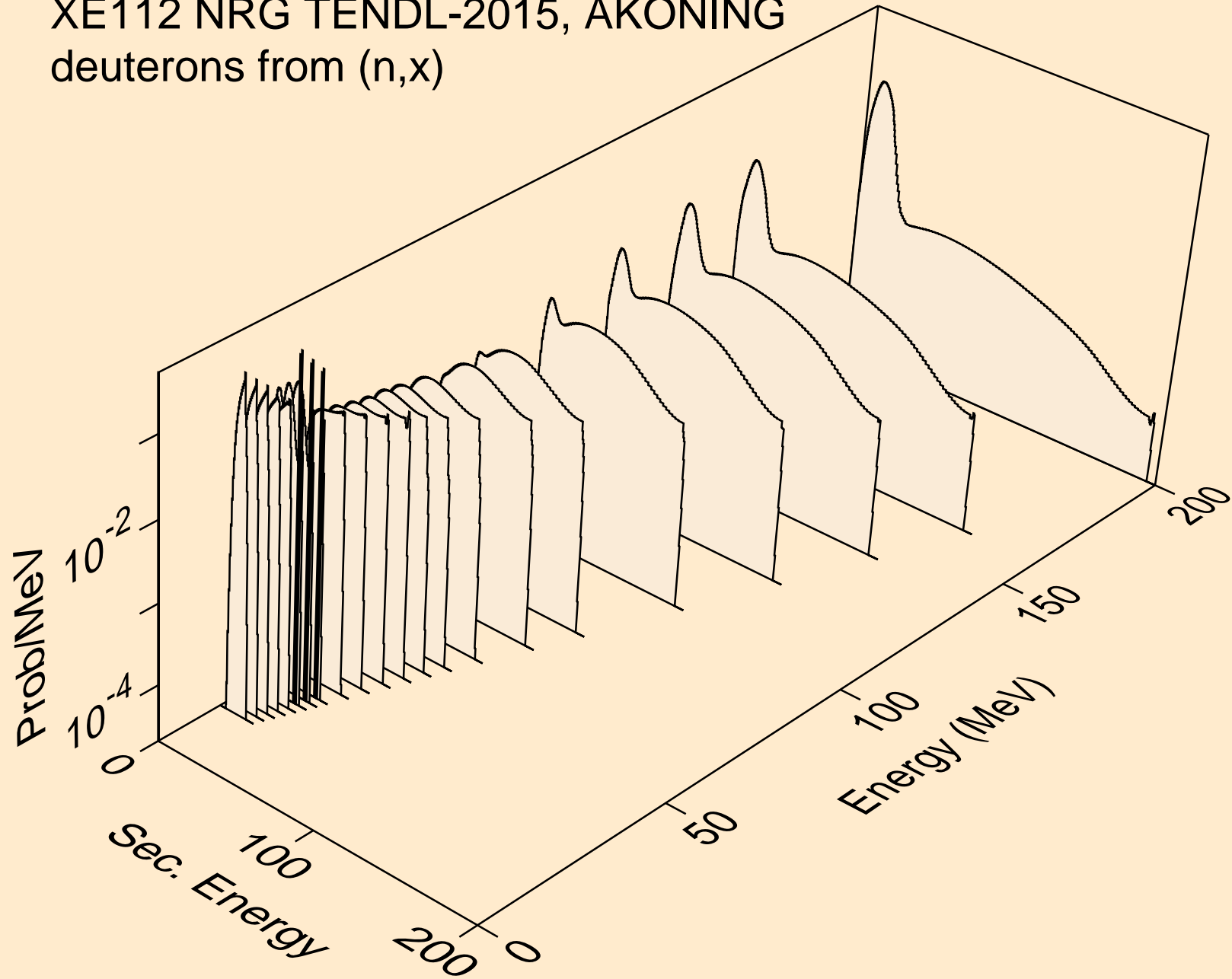
XE112 NRG TENDL-2015, AKONING  
protons from (n,pd)



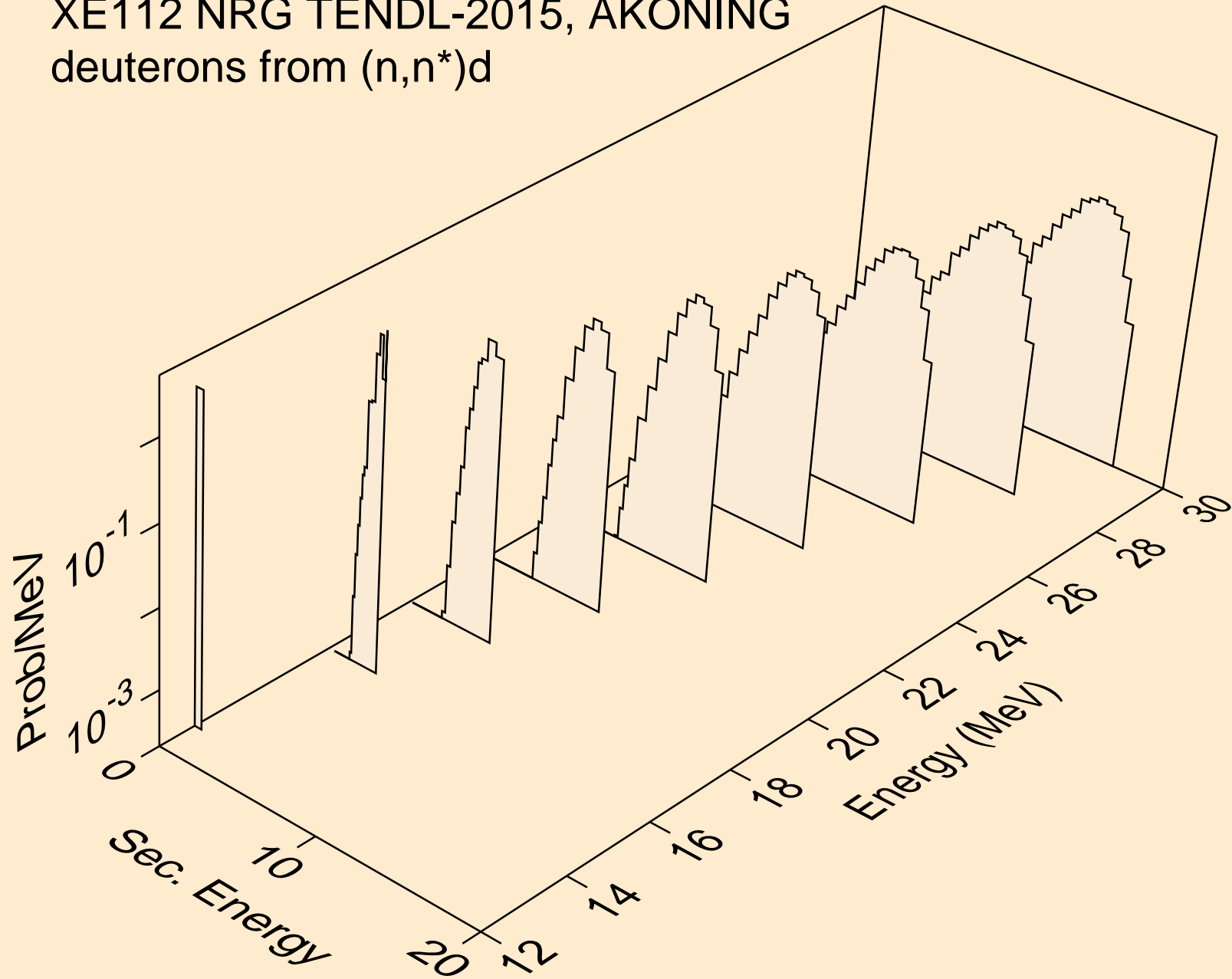
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protons from (n,pt)



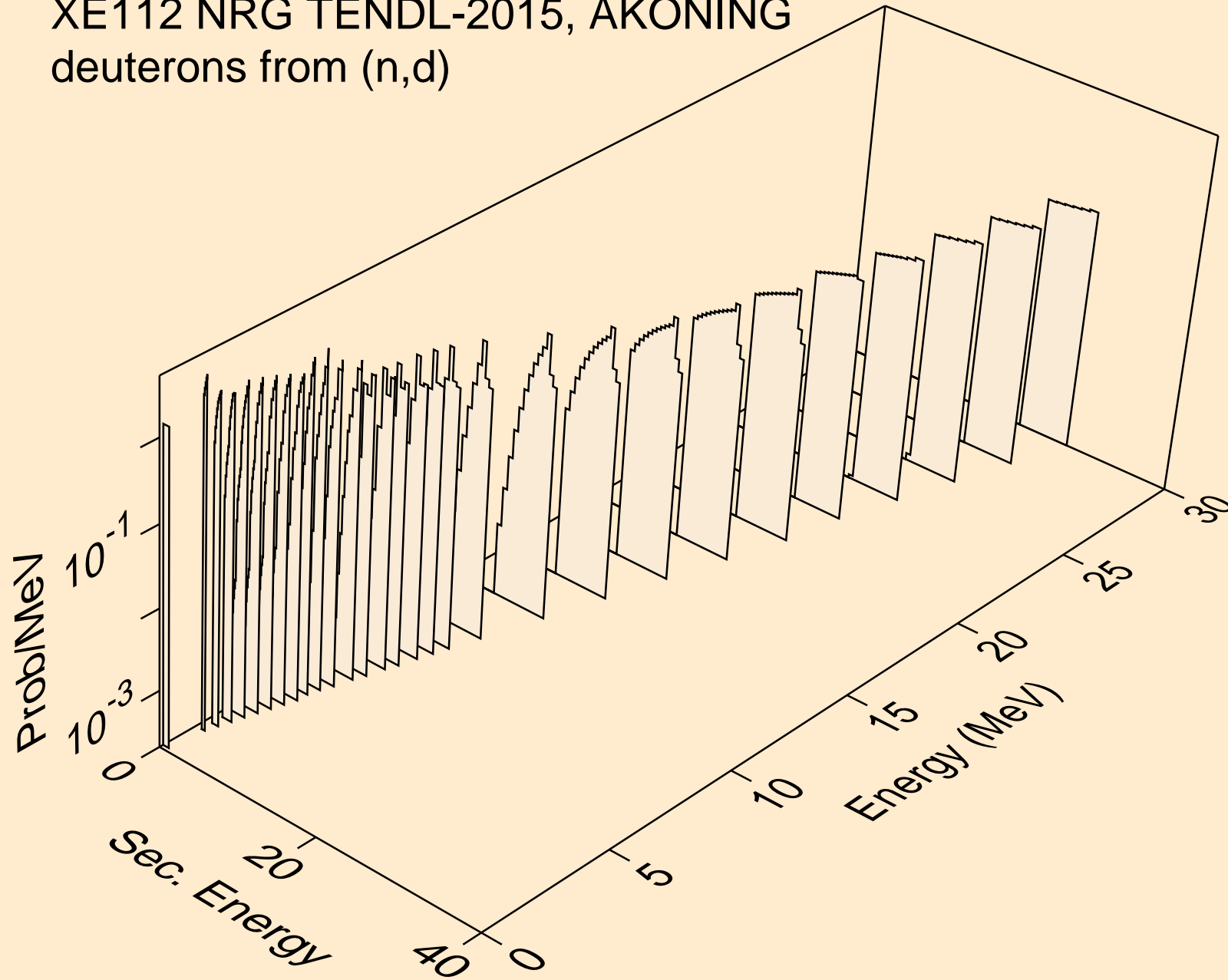
XE112 NRG TENDL-2015, AKONING  
deuterons from (n,x)



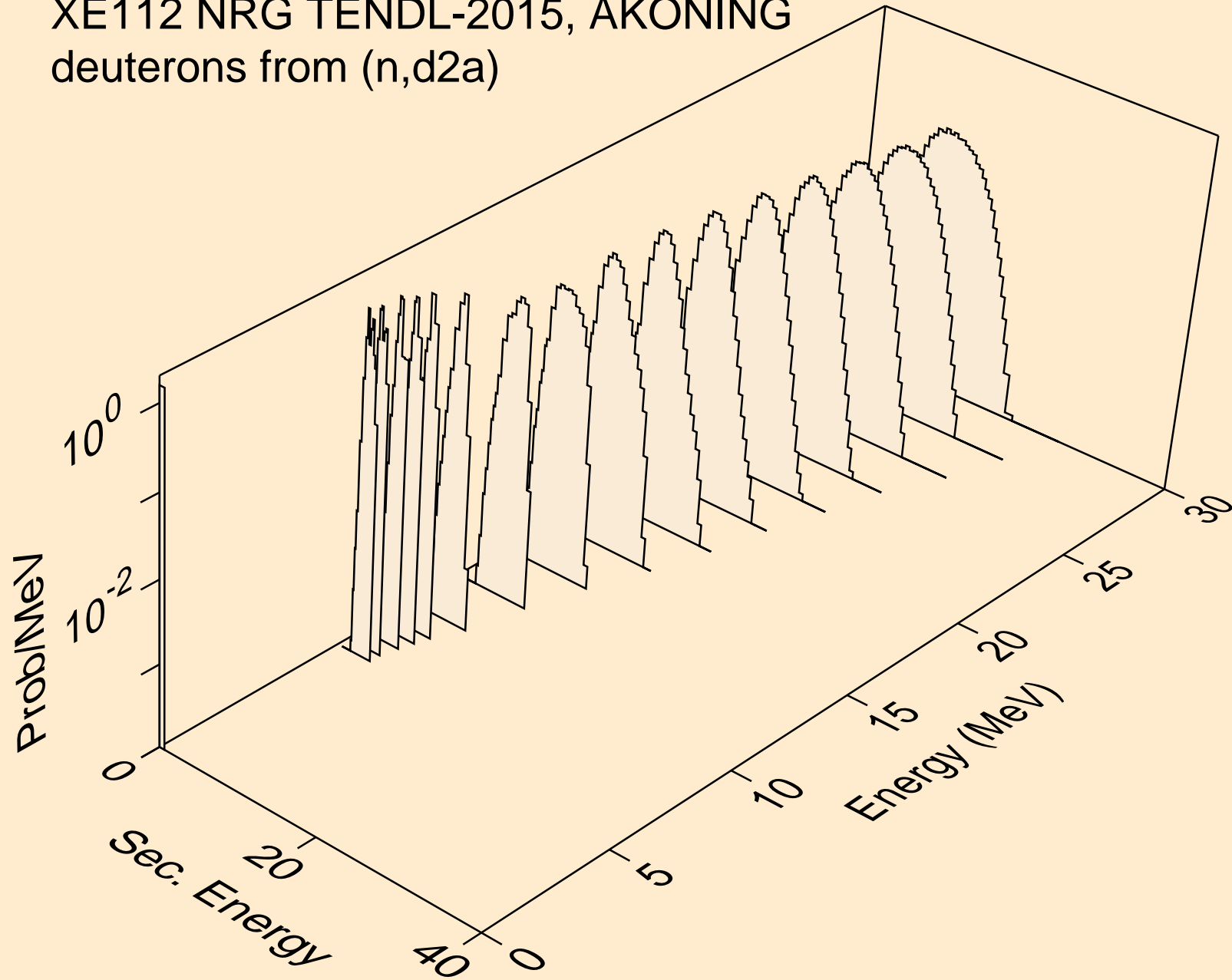
XE112 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



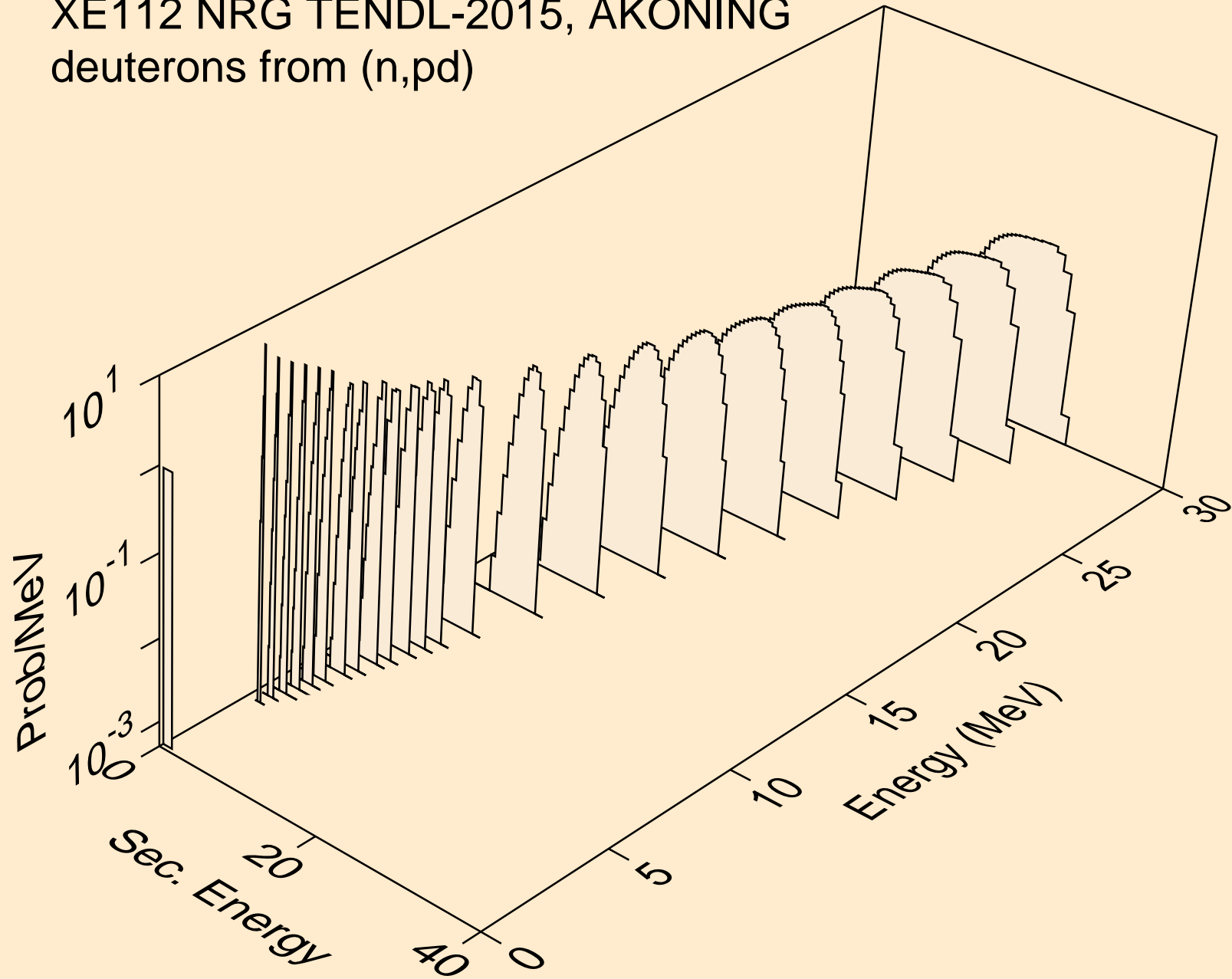
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deuterons from (n,d)



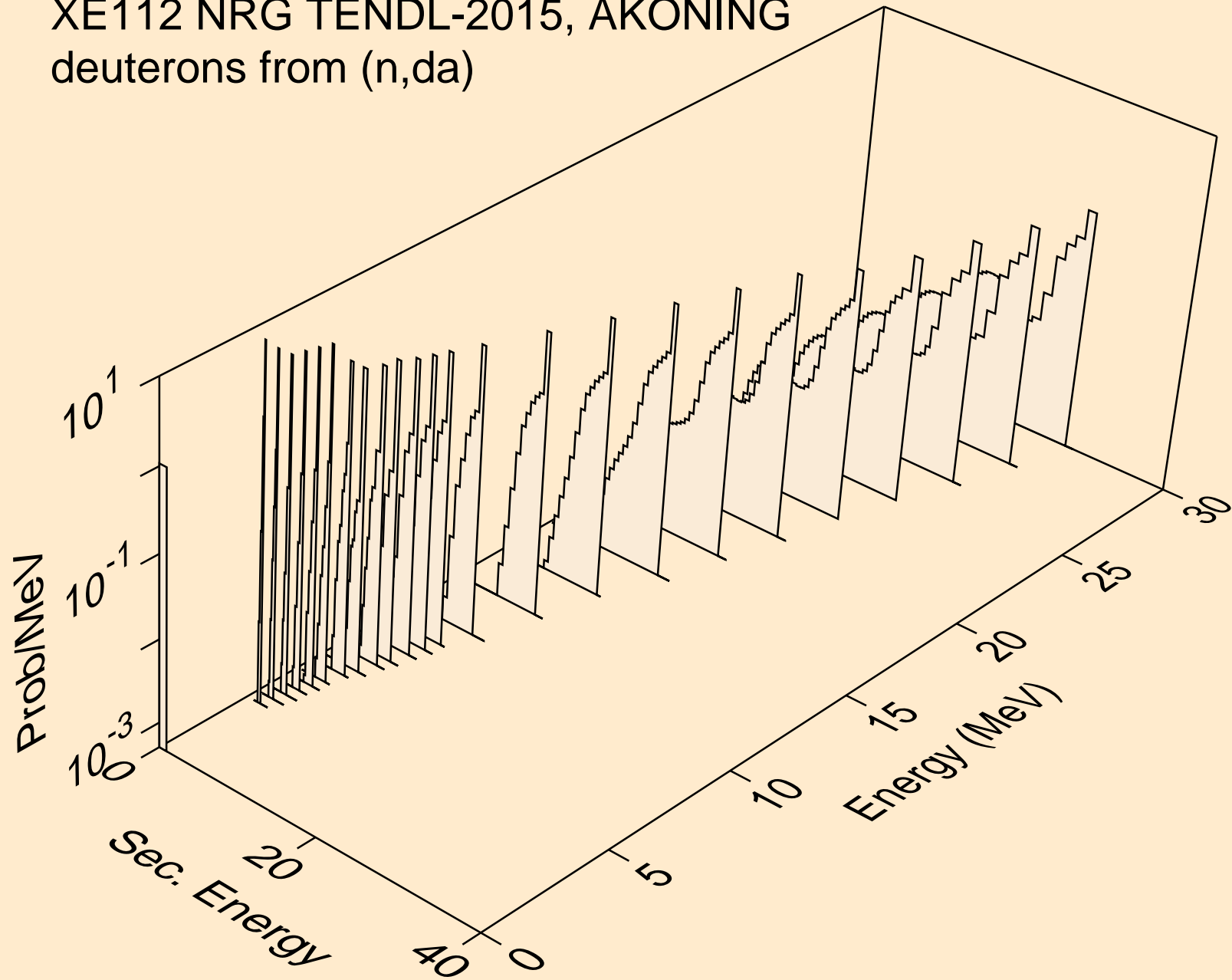
XE112 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



XE112 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

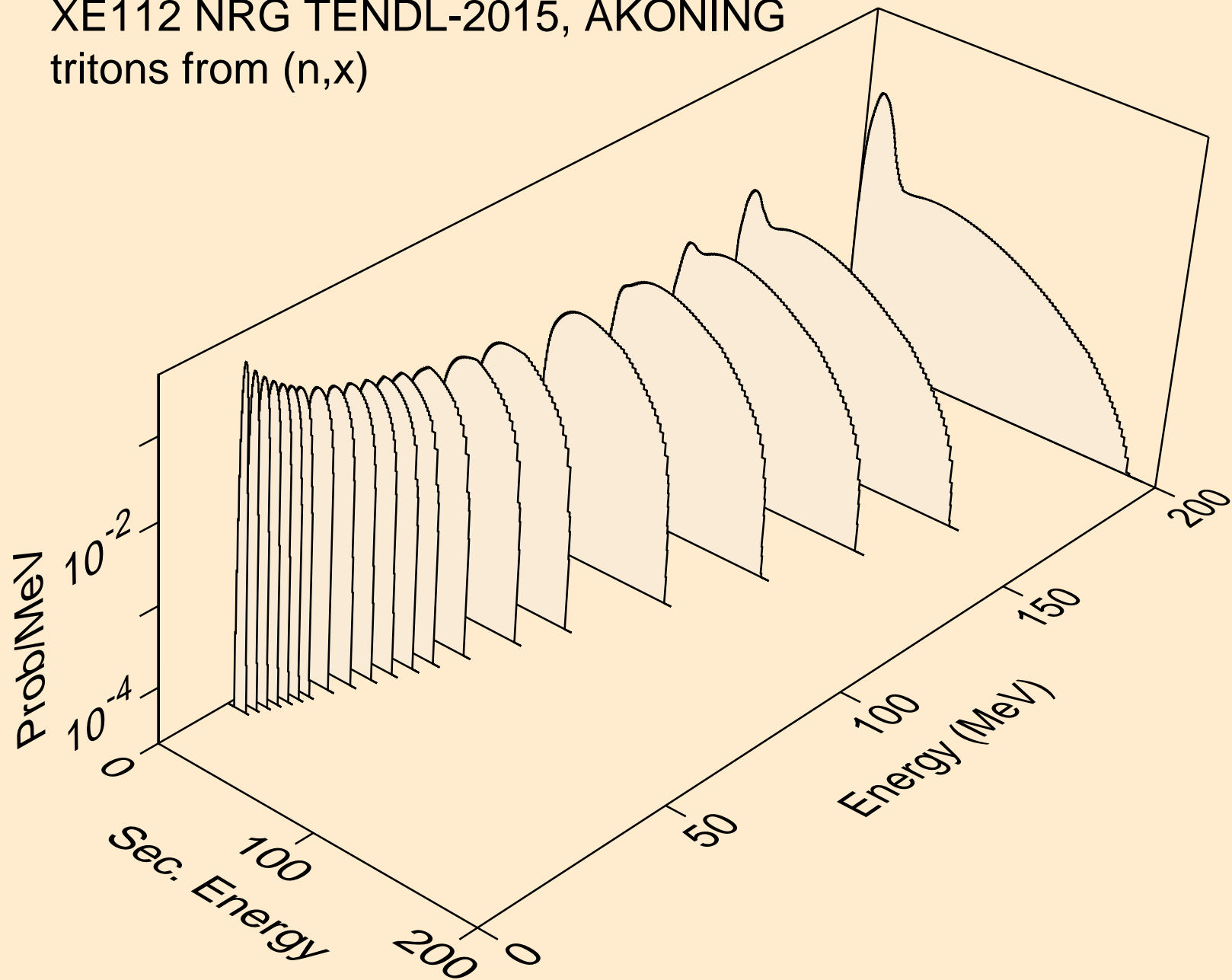


XE112 NRG TENDL-2015, AKONING  
deuterons from (n,da)

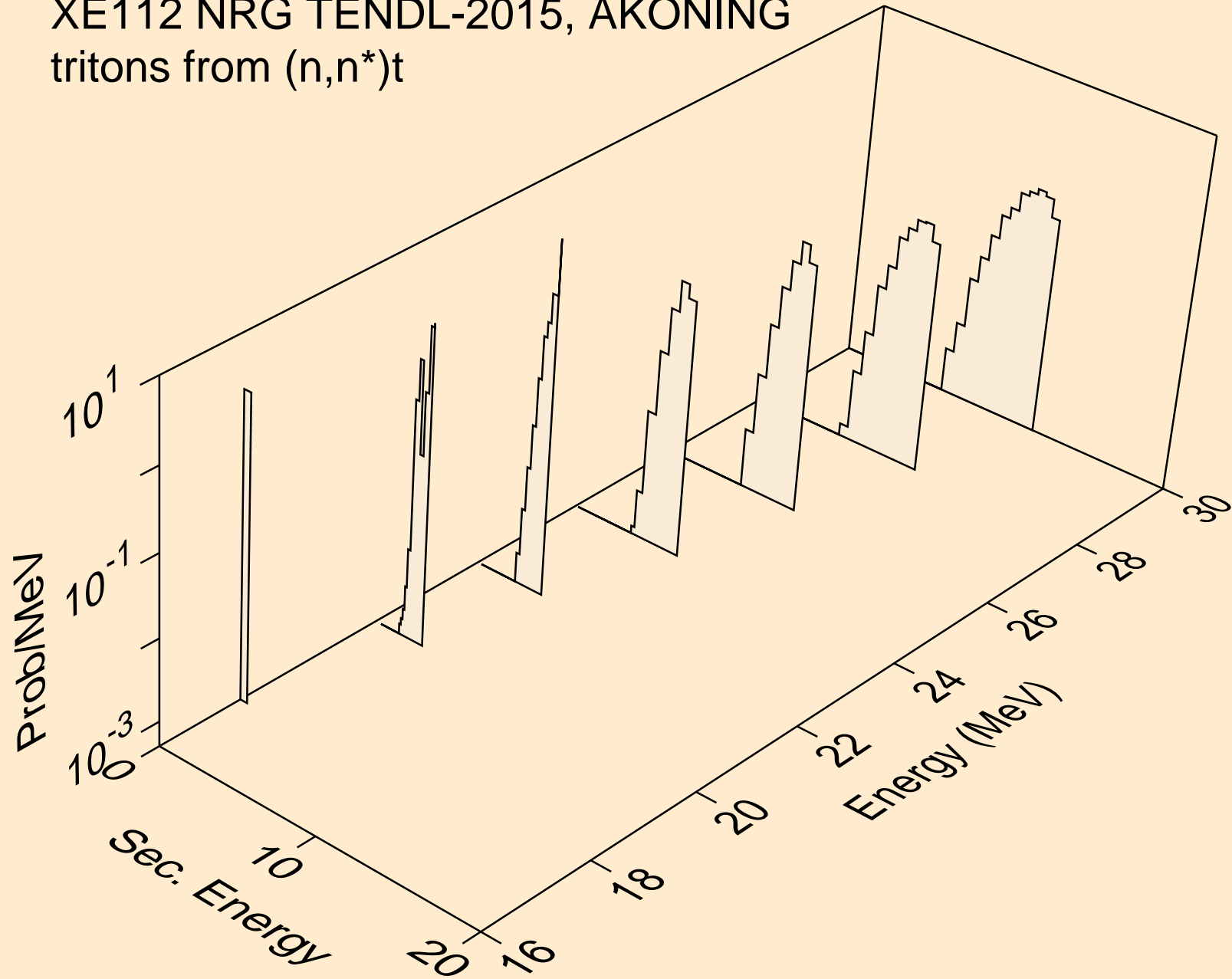




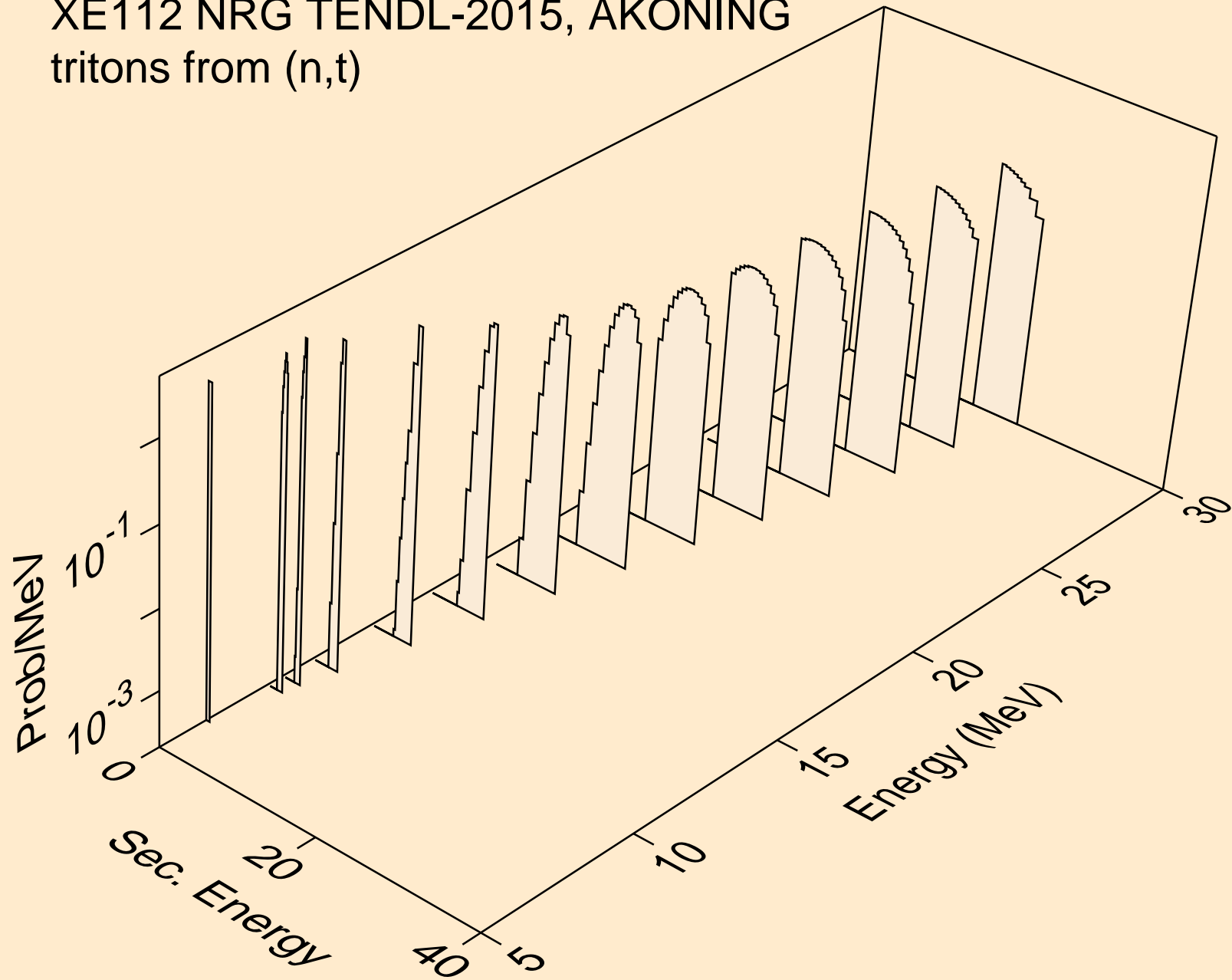
XE112 NRG TENDL-2015, AKONING  
tritons from (n,x)



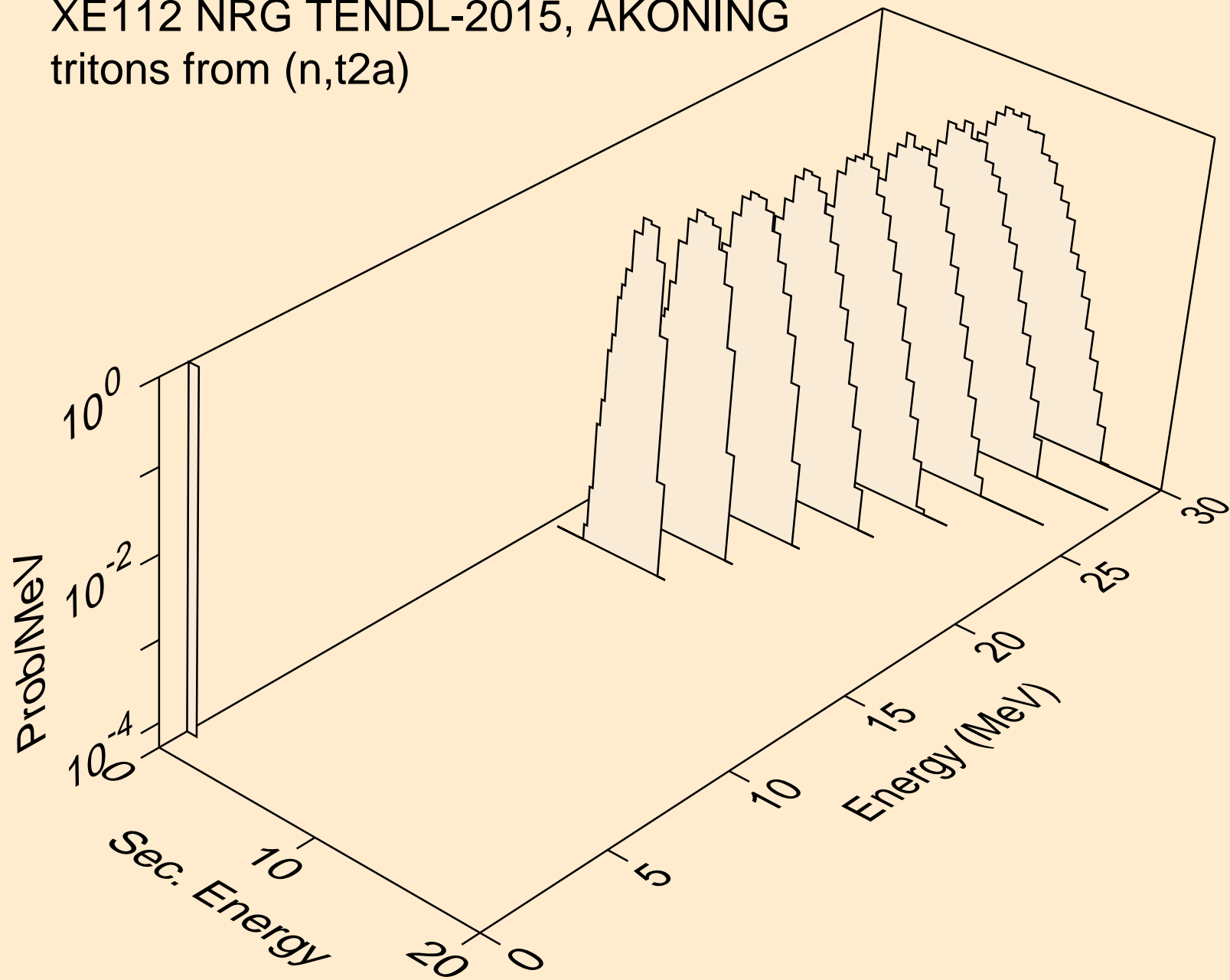
XE112 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



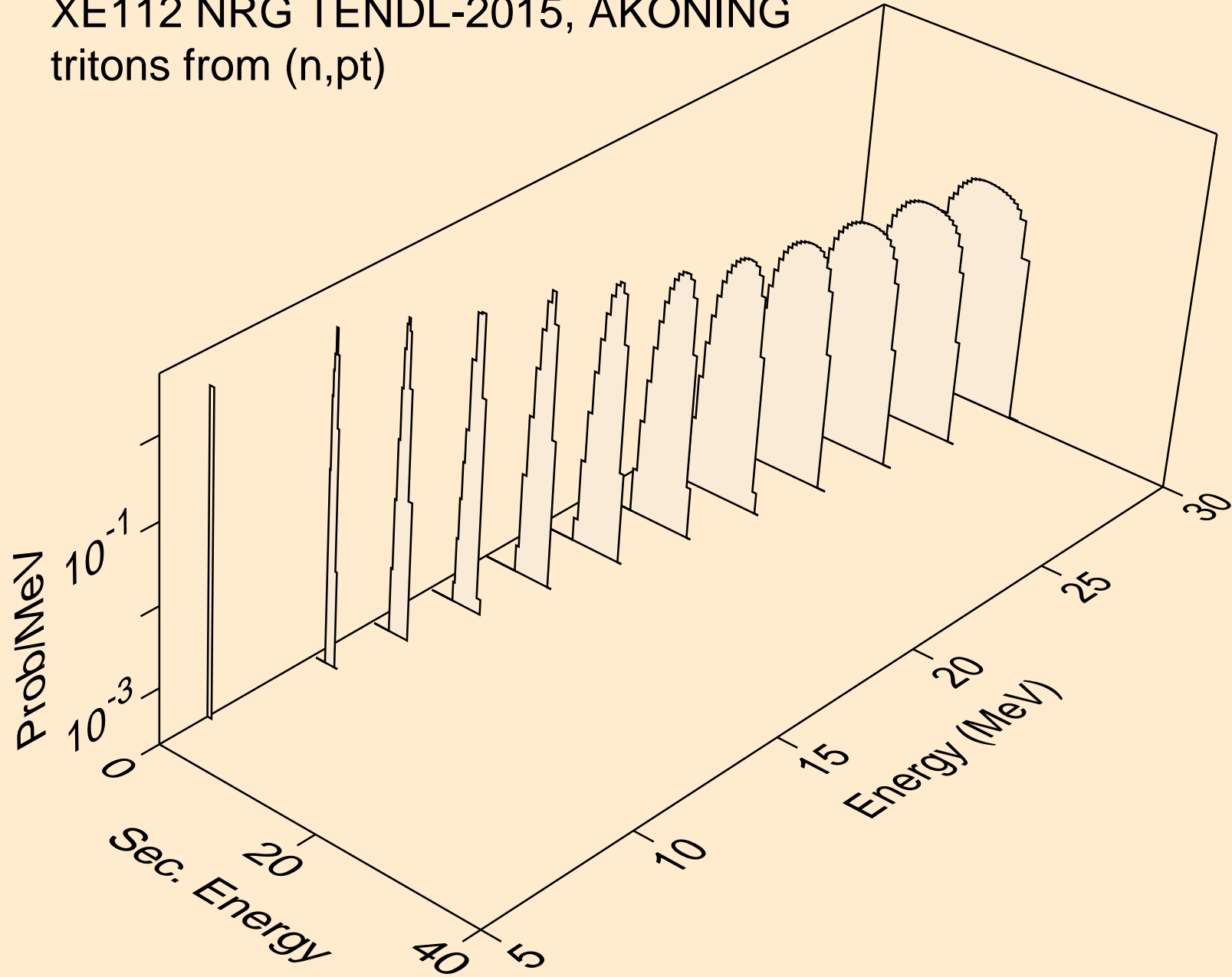
XE112 NRG TENDL-2015, AKONING  
tritons from (n,t)



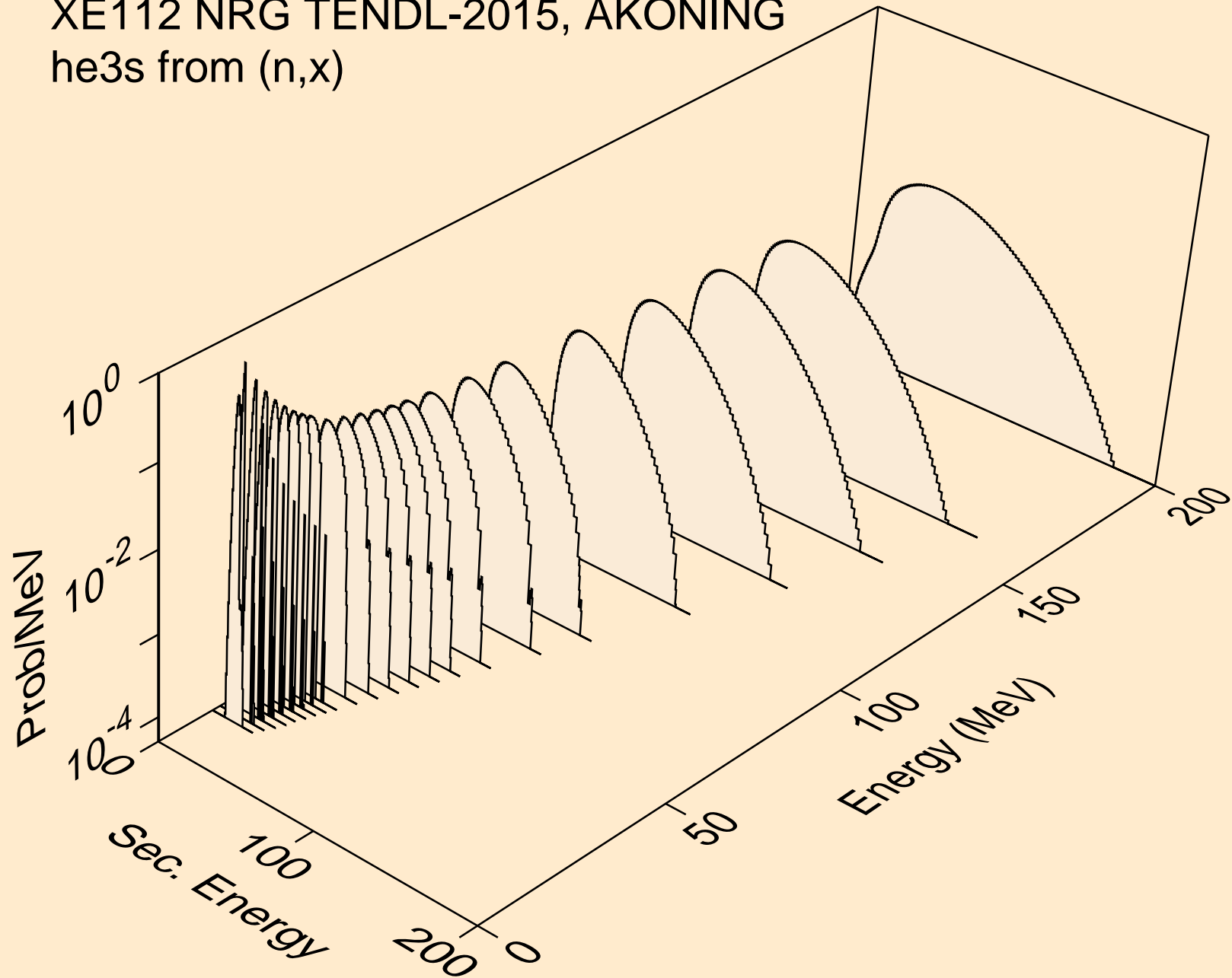
XE112 NRG TENDL-2015, AKONING  
tritons from (n,t2a)



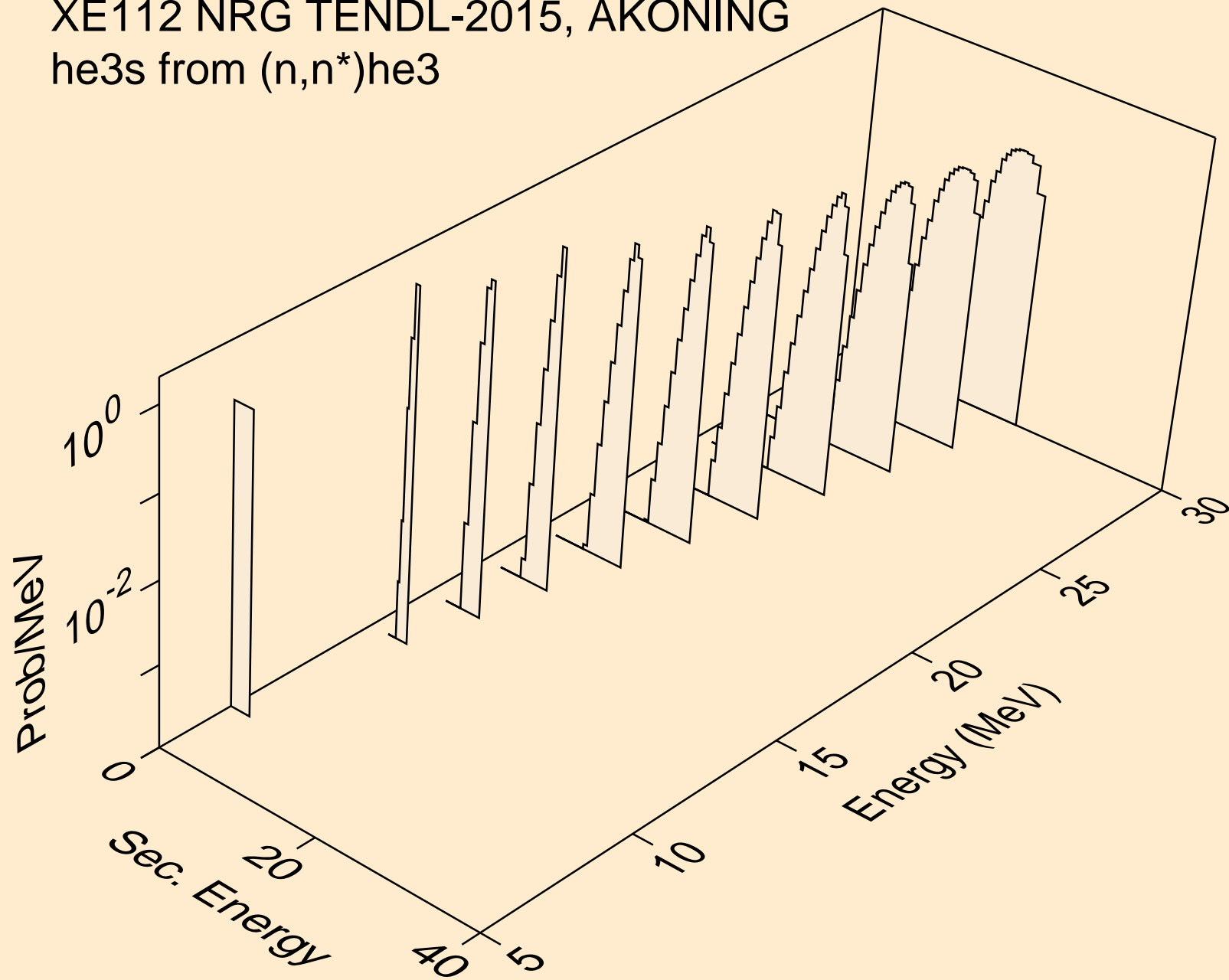
XE112 NRG TENDL-2015, AKONING  
tritons from (n,pt)



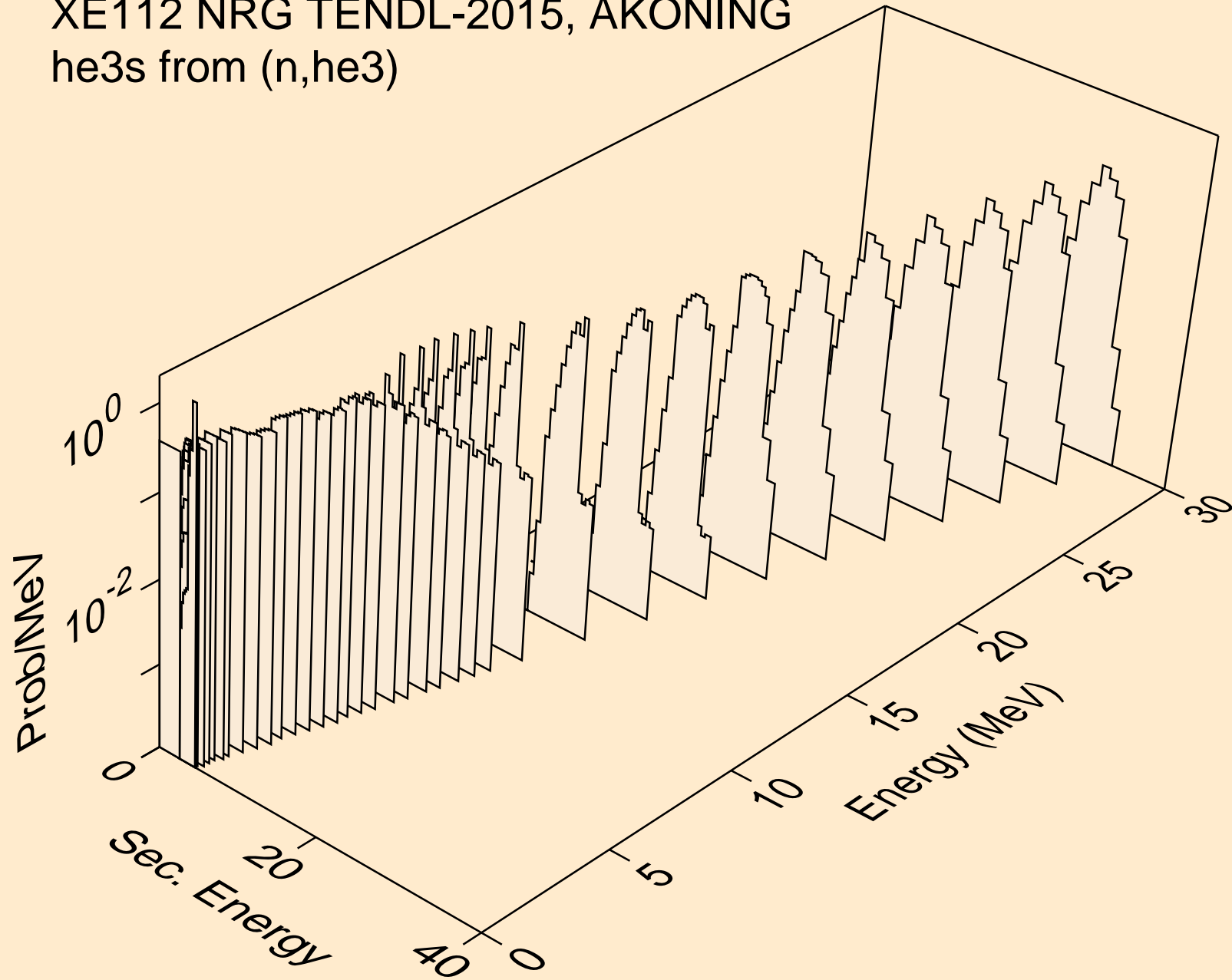
XE112 NRG TENDL-2015, AKONING  
he3s from (n,x)



XE112 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

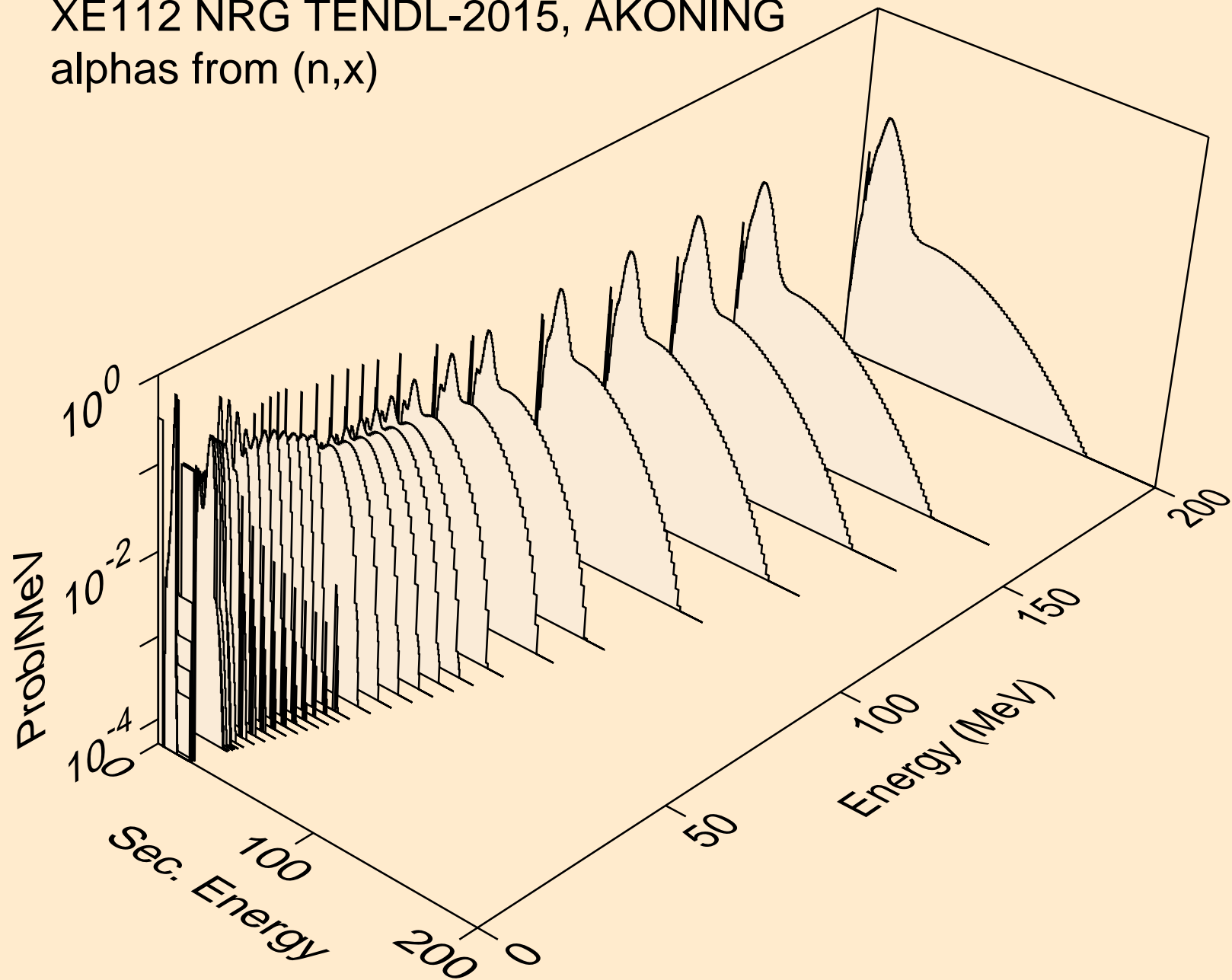


XE112 NRG TENDL-2015, AKONING  
he3s from (n,he3)

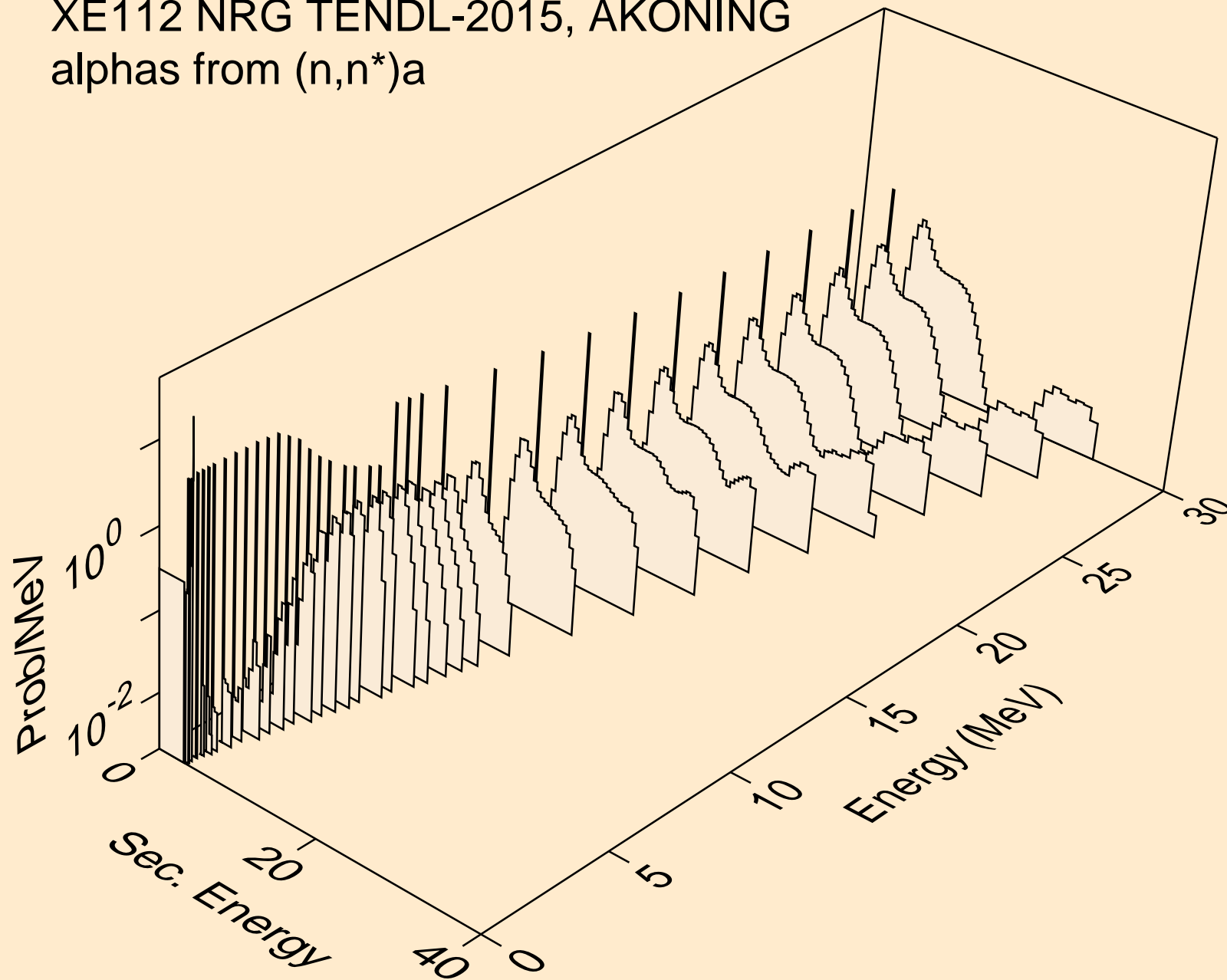




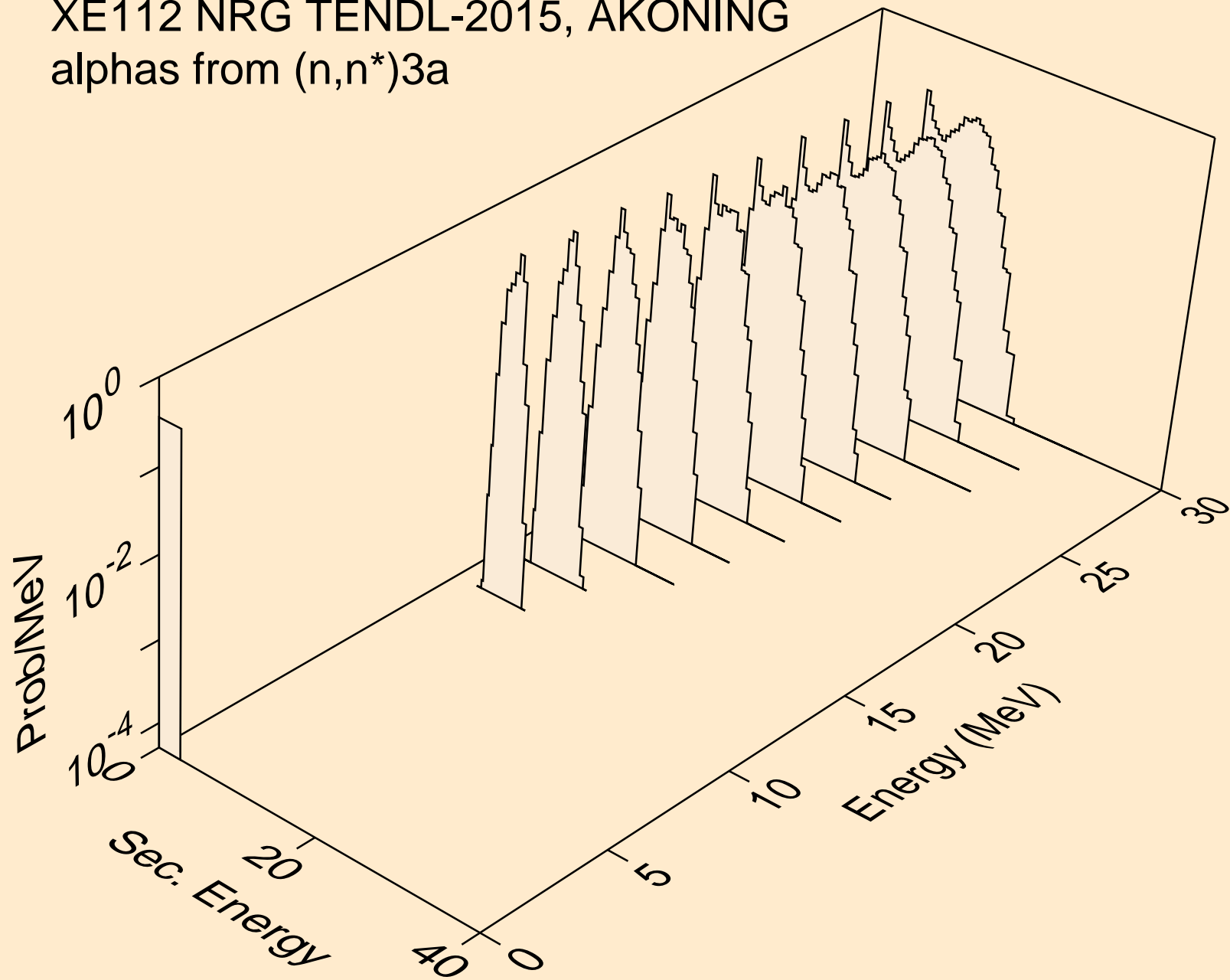
XE112 NRG TENDL-2015, AKONING  
alphas from (n,x)



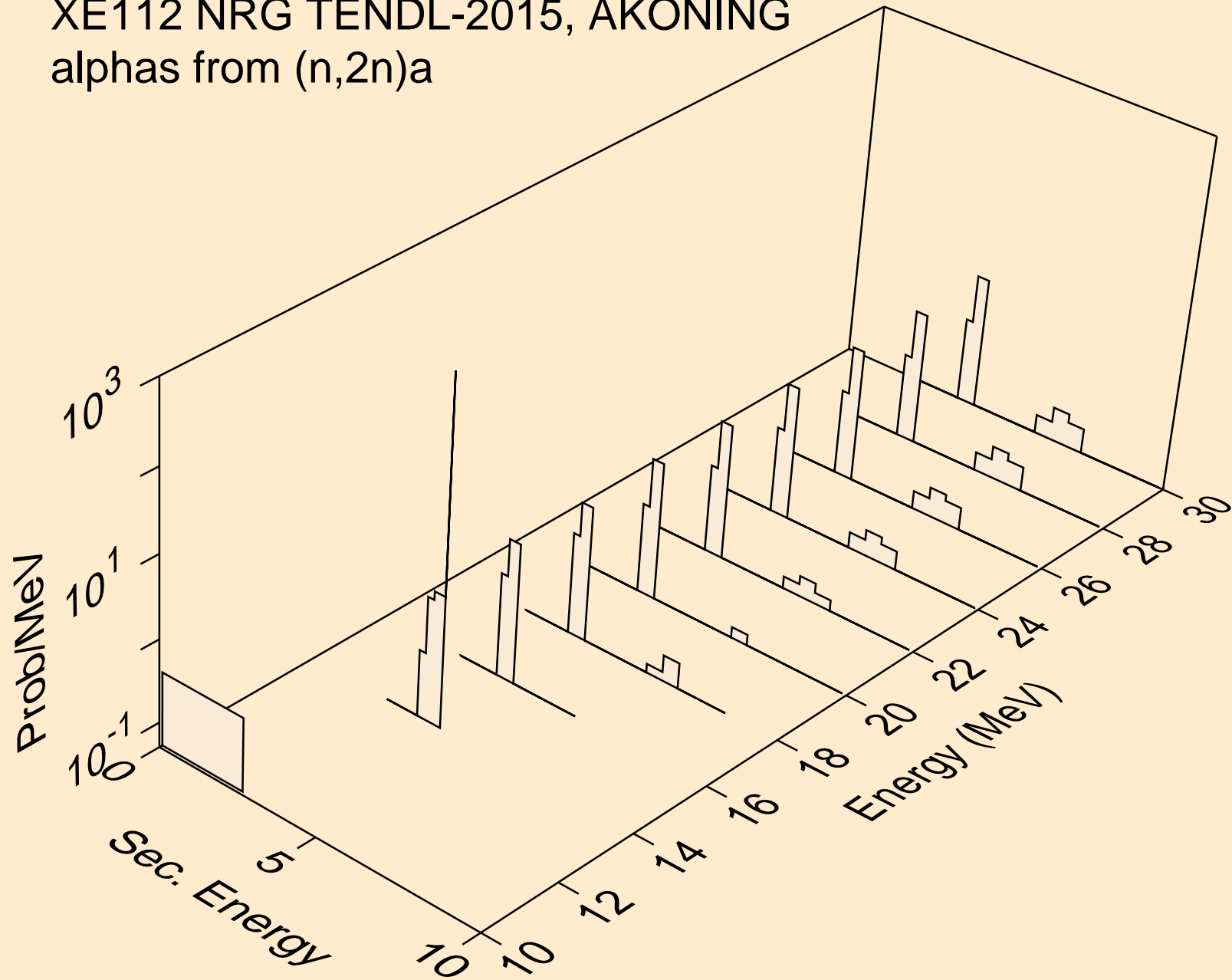
XE112 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



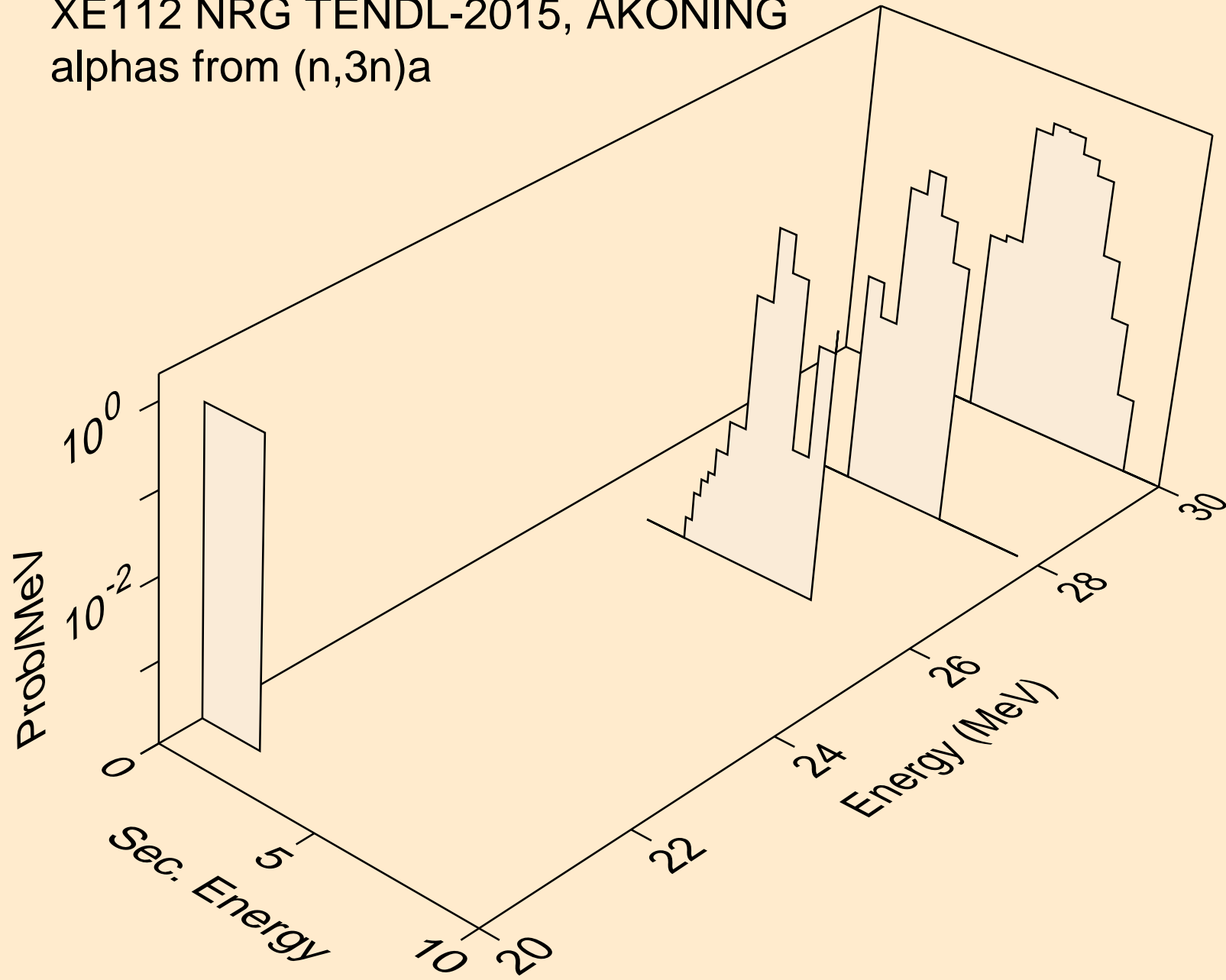
XE112 NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



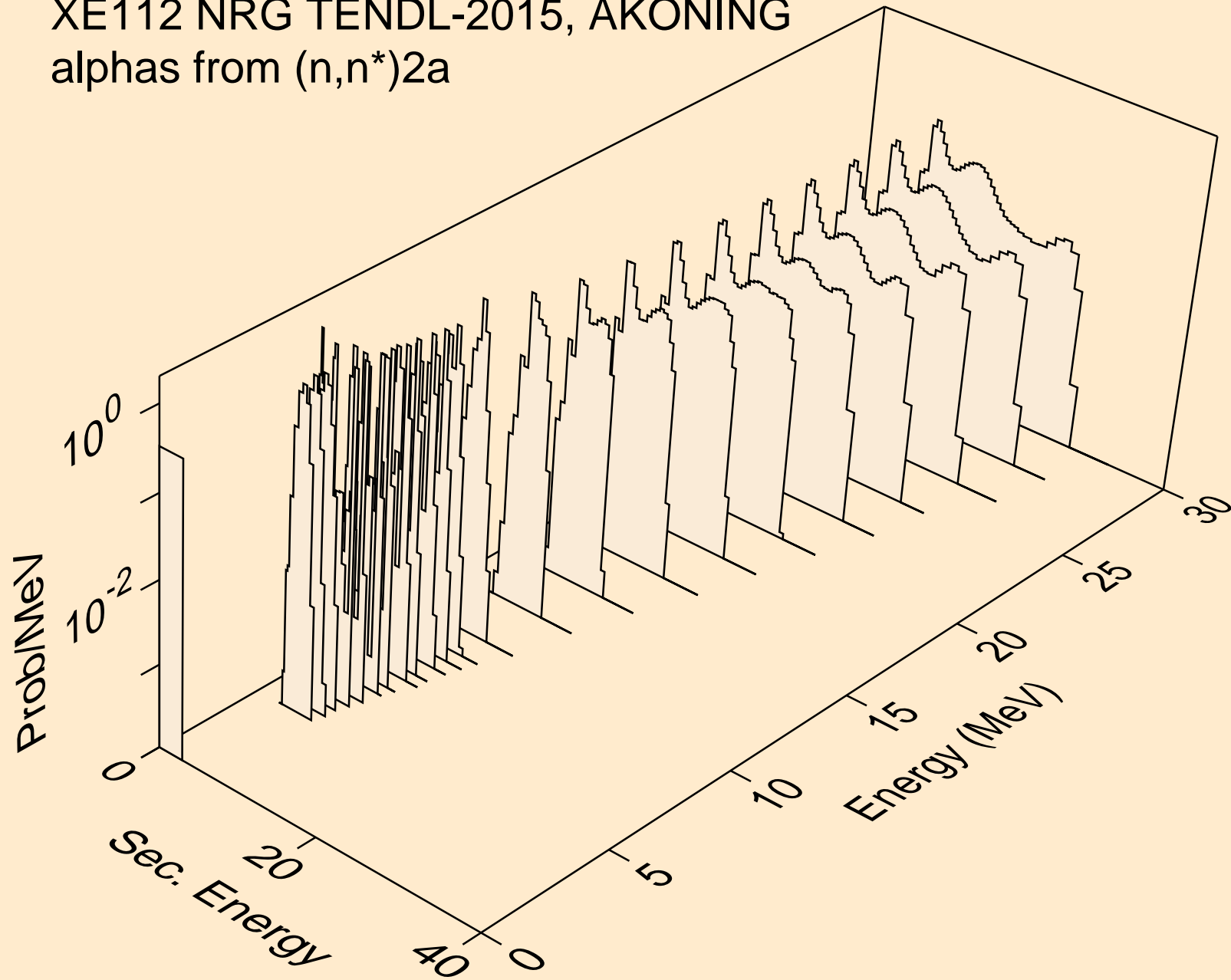
XE112 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



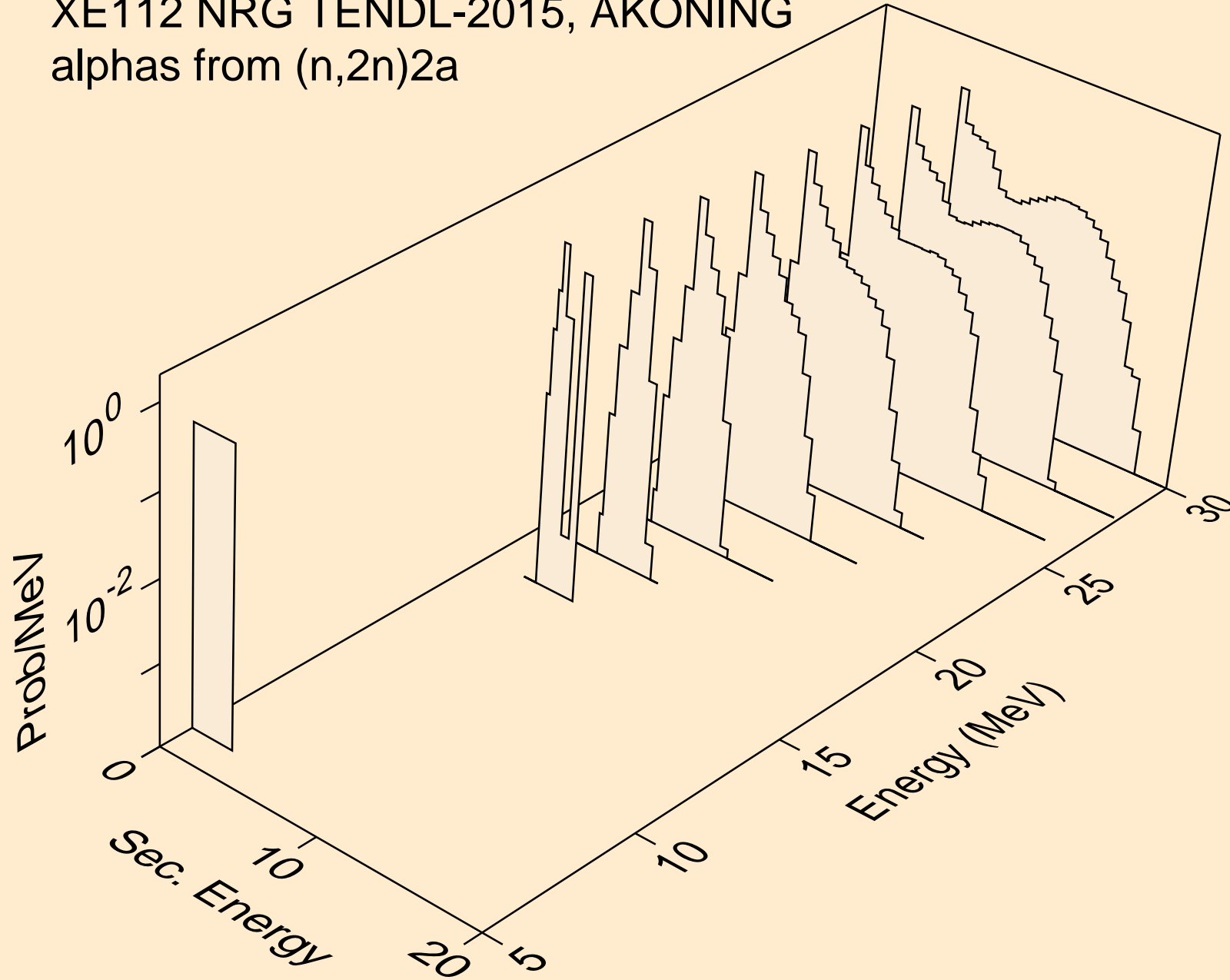
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alphas from (n,3n)a



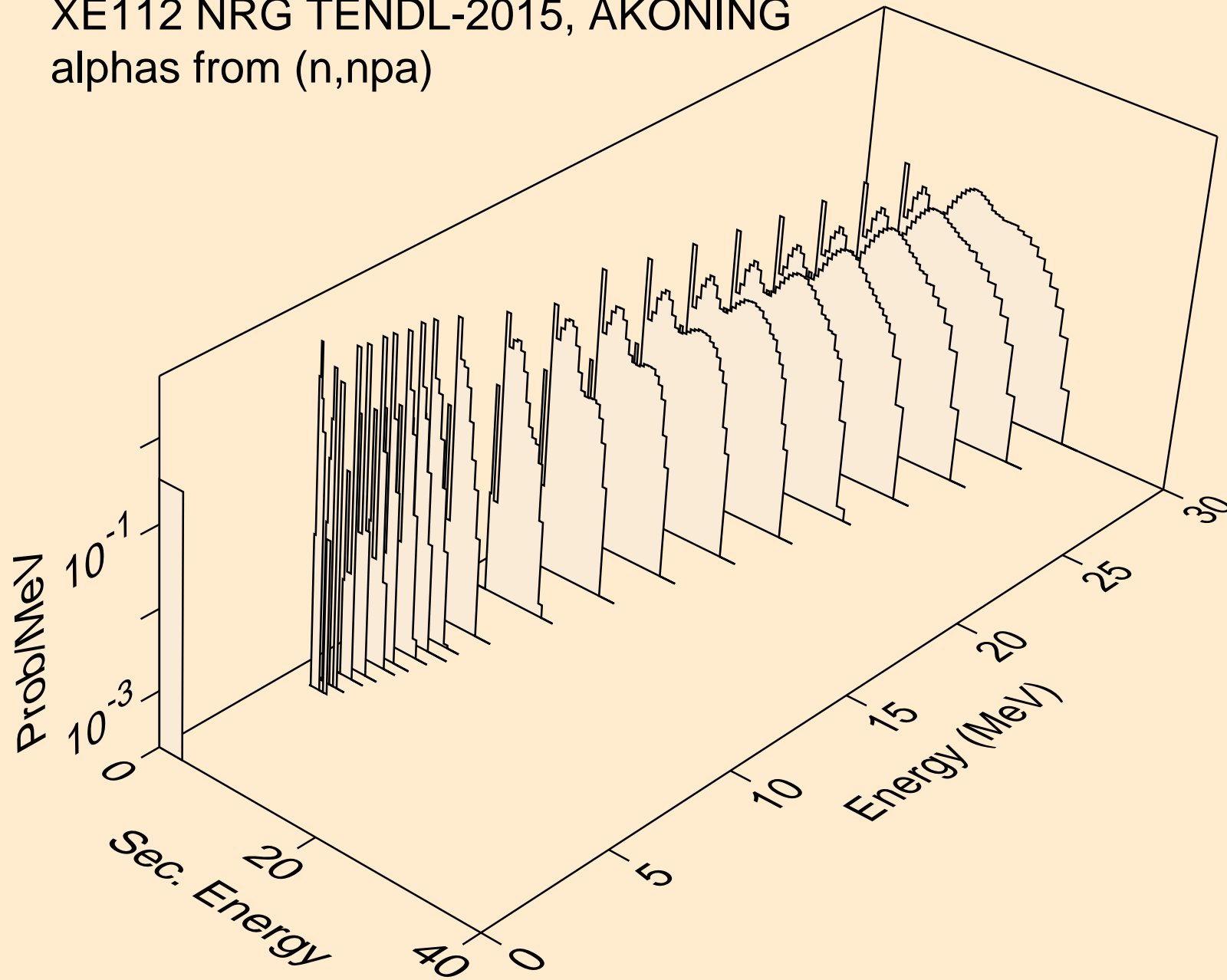
XE112 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



XE112 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

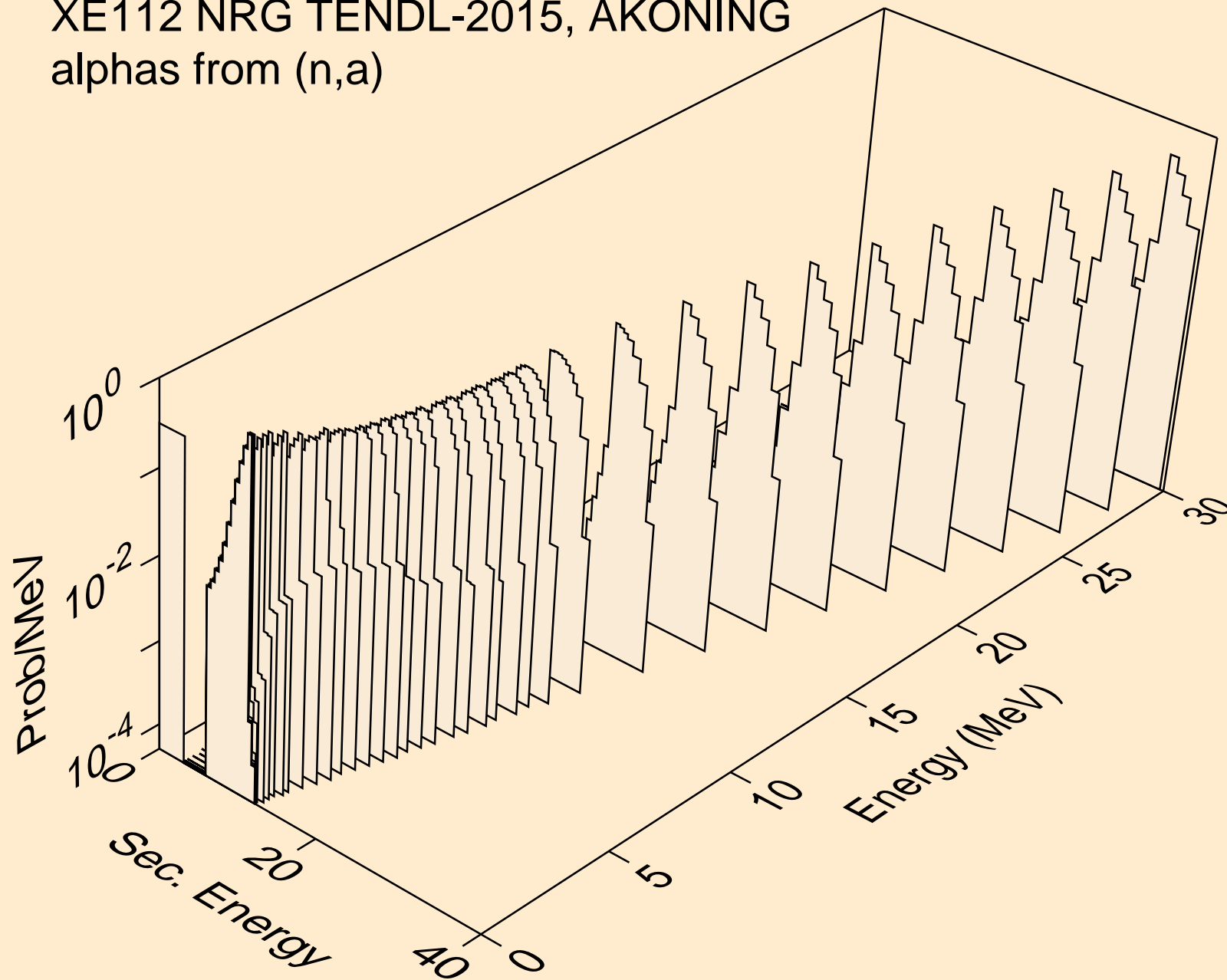


XE112 NRG TENDL-2015, AKONING  
alphas from (n,npa)

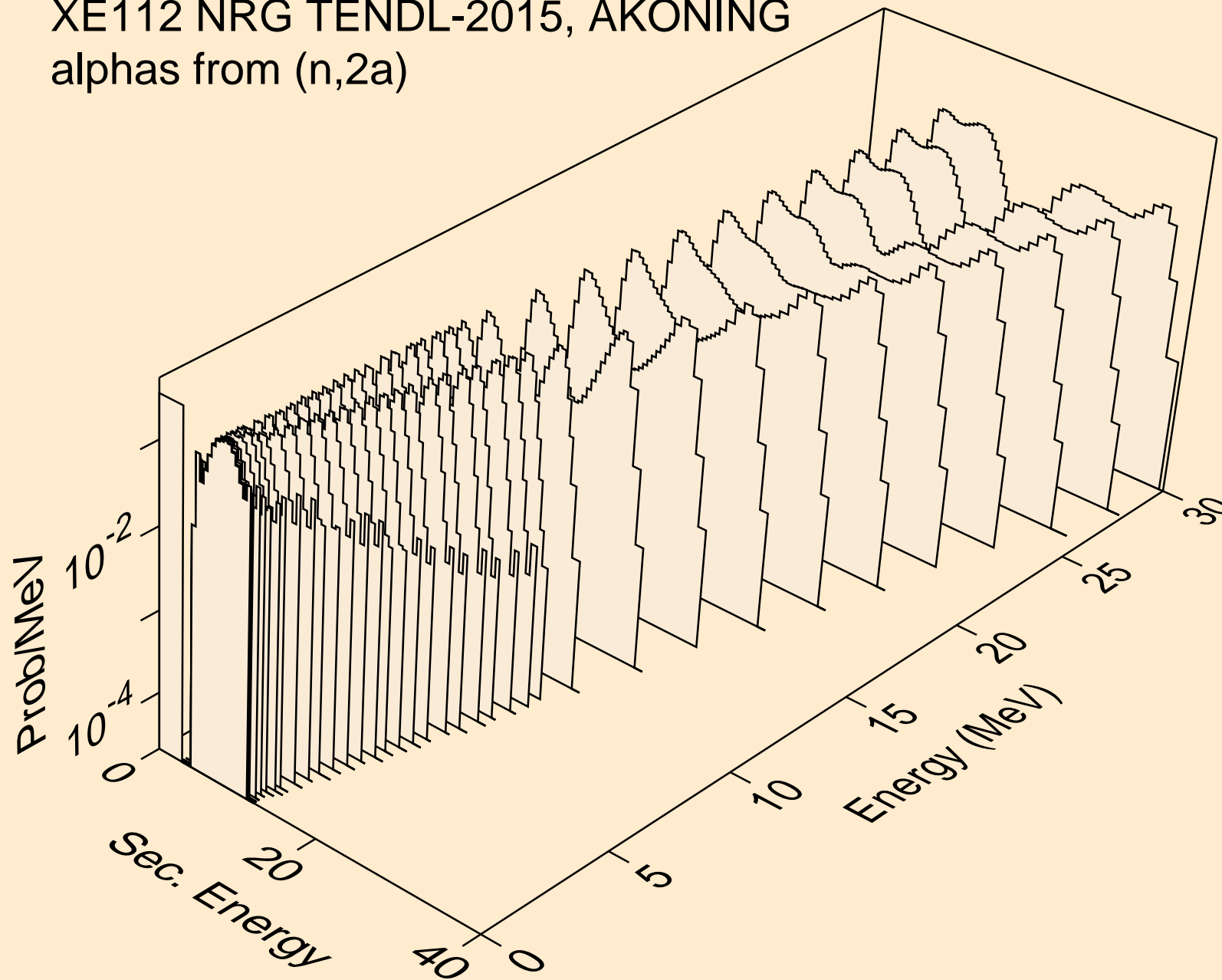




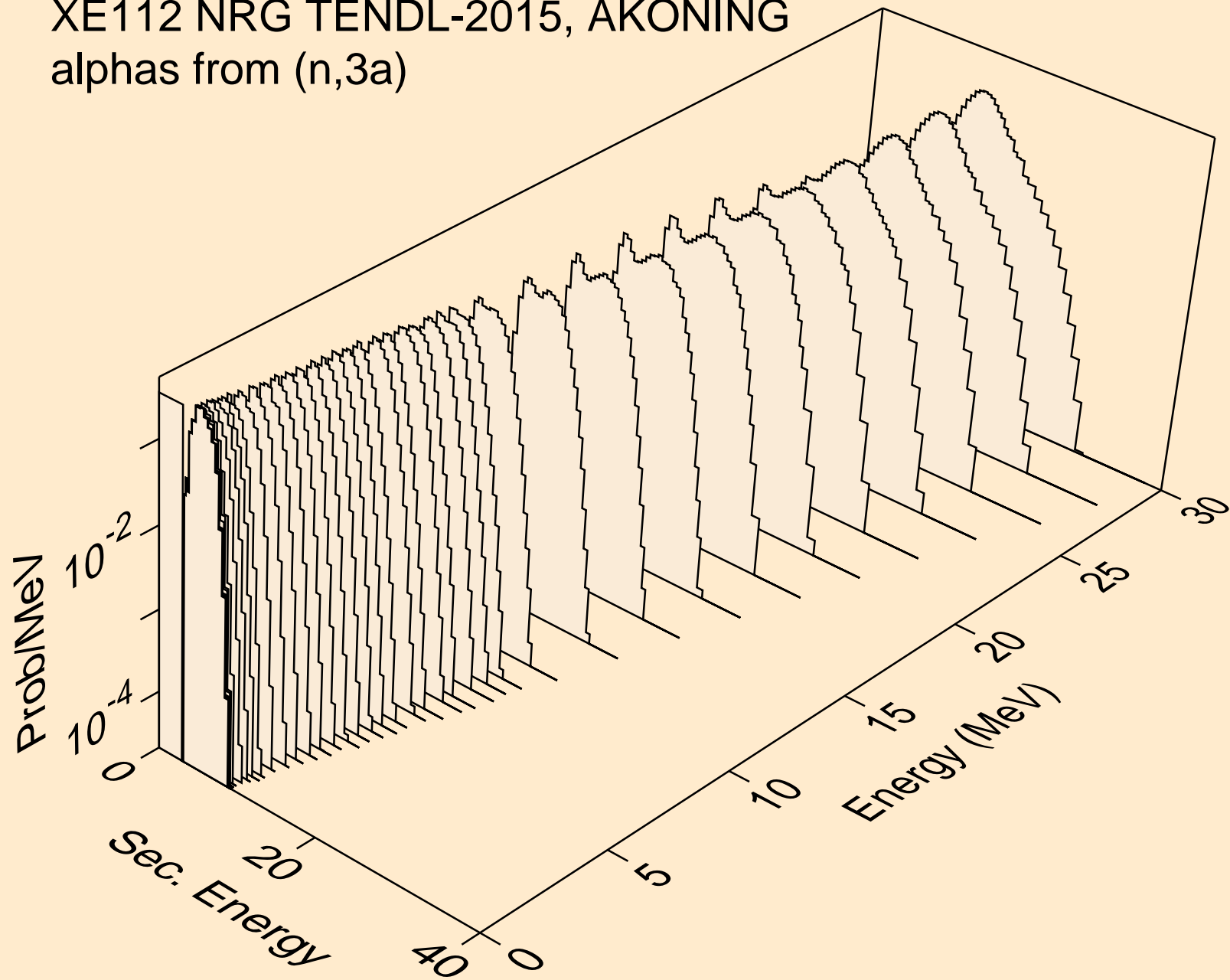
XE112 NRG TENDL-2015, AKONING  
alphas from (n,a)



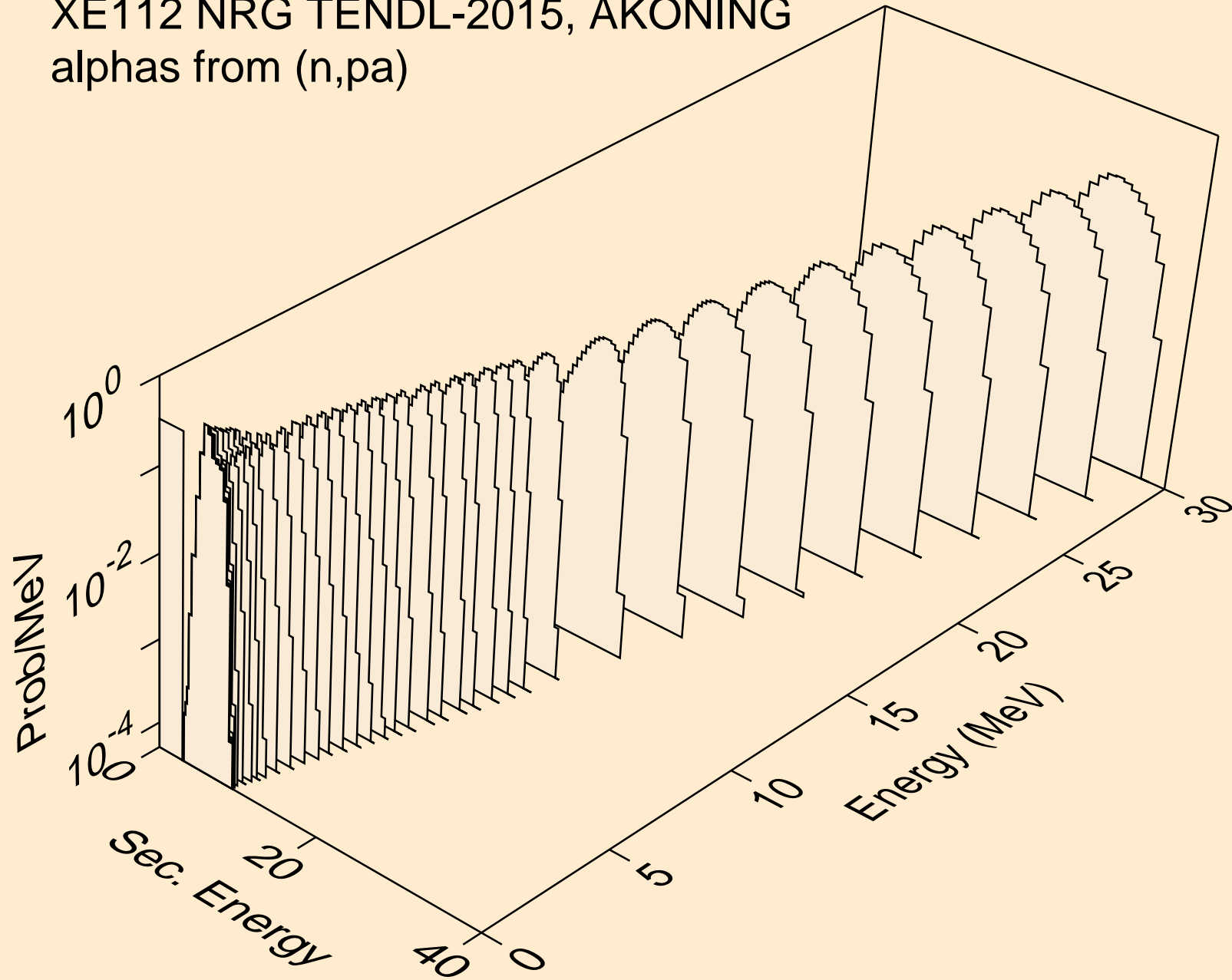
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alphas from (n,2a)



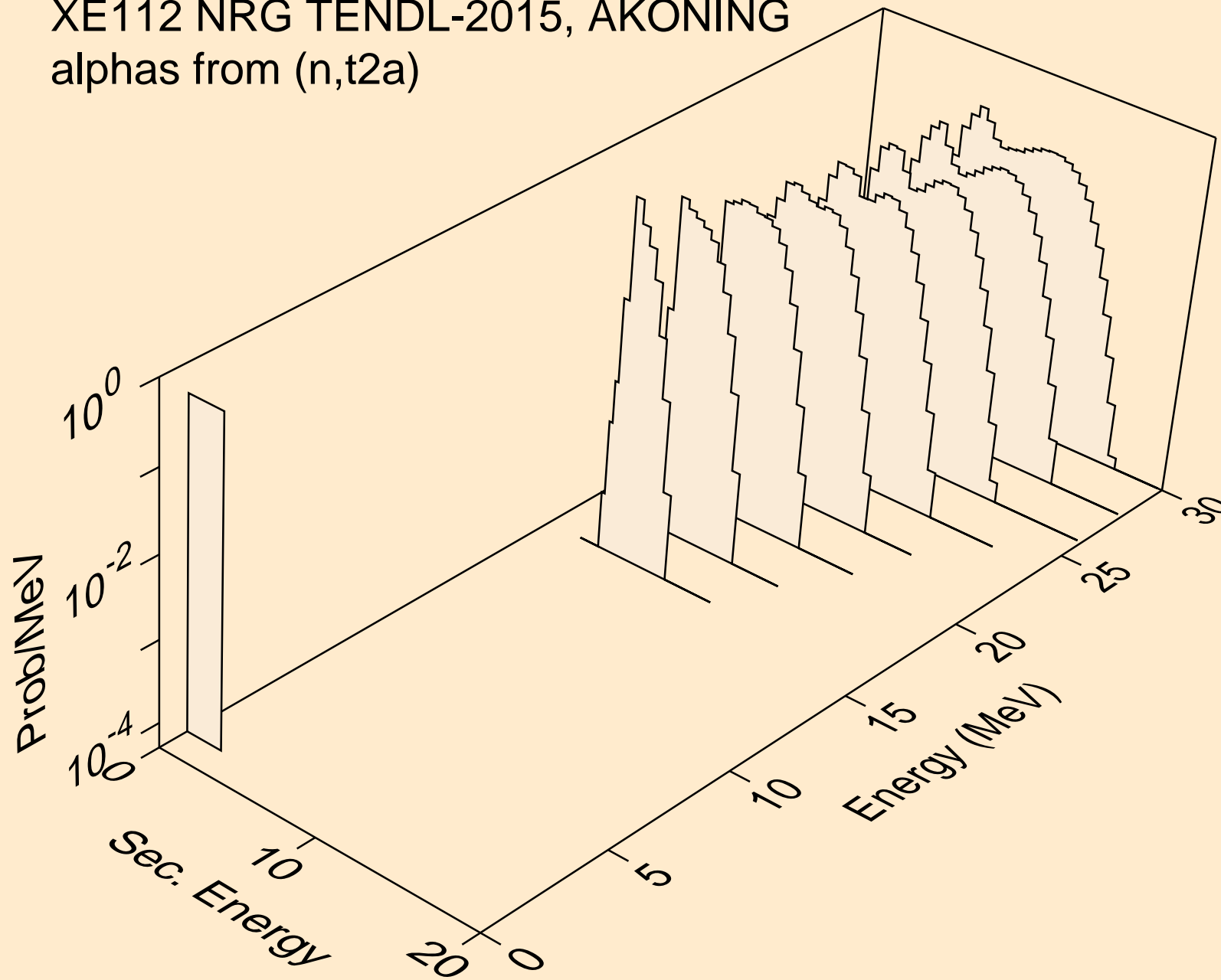
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alphas from (n,3a)



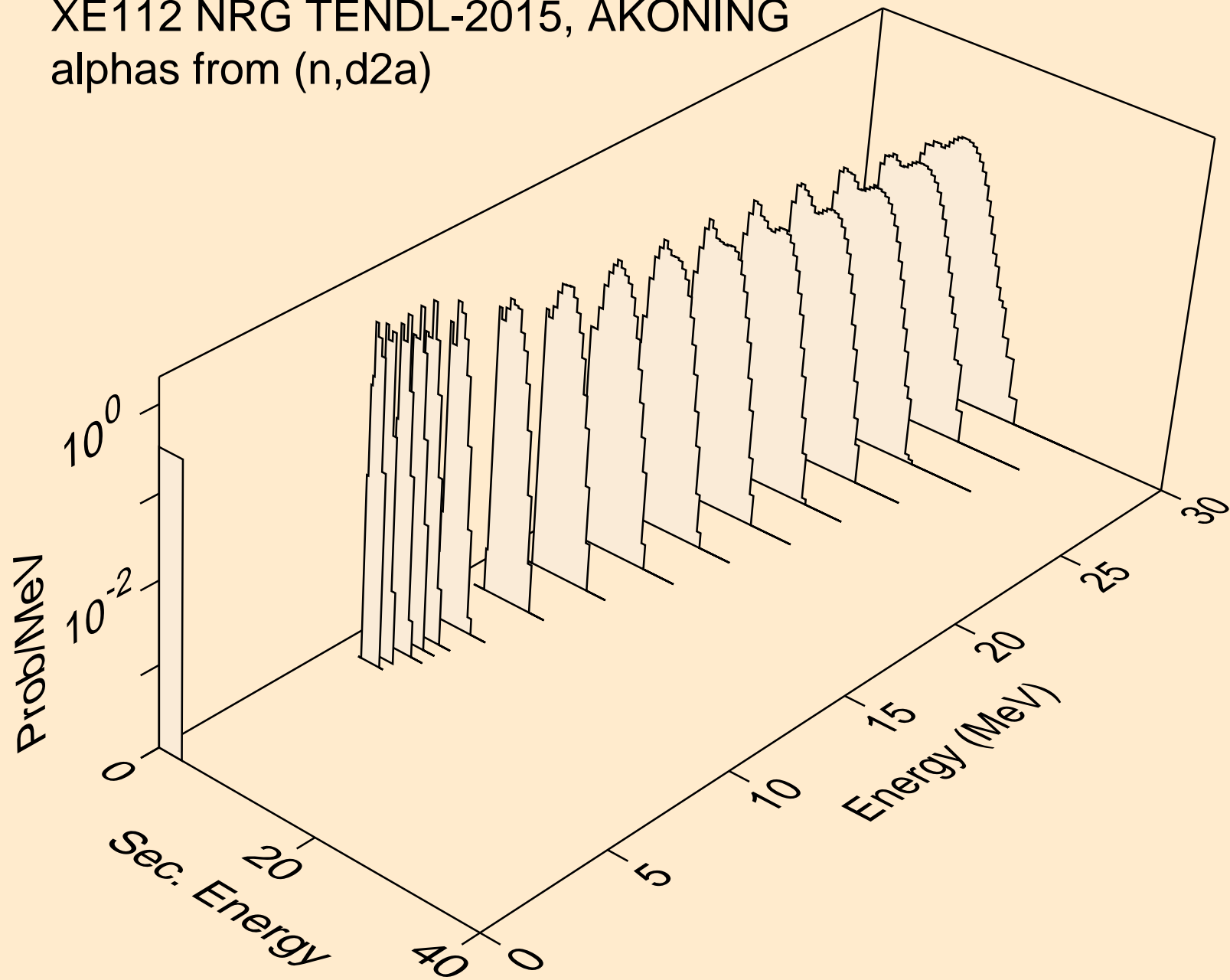
XE112 NRG TENDL-2015, AKONING  
alphas from (n,pa)



XE112 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



XE112 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



XE112 NRG TENDL-2015, AKONING  
alphas from (n,da)

