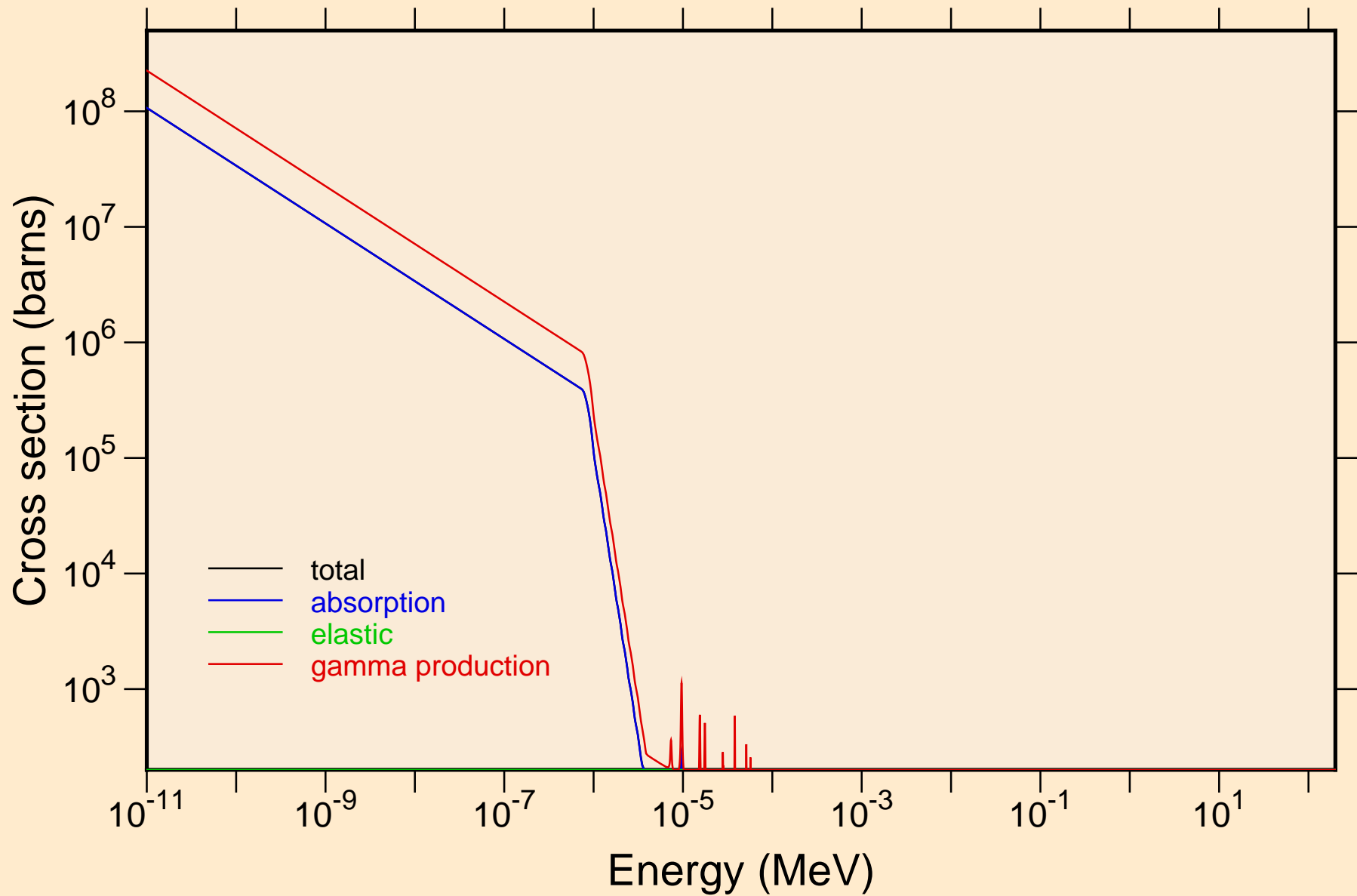


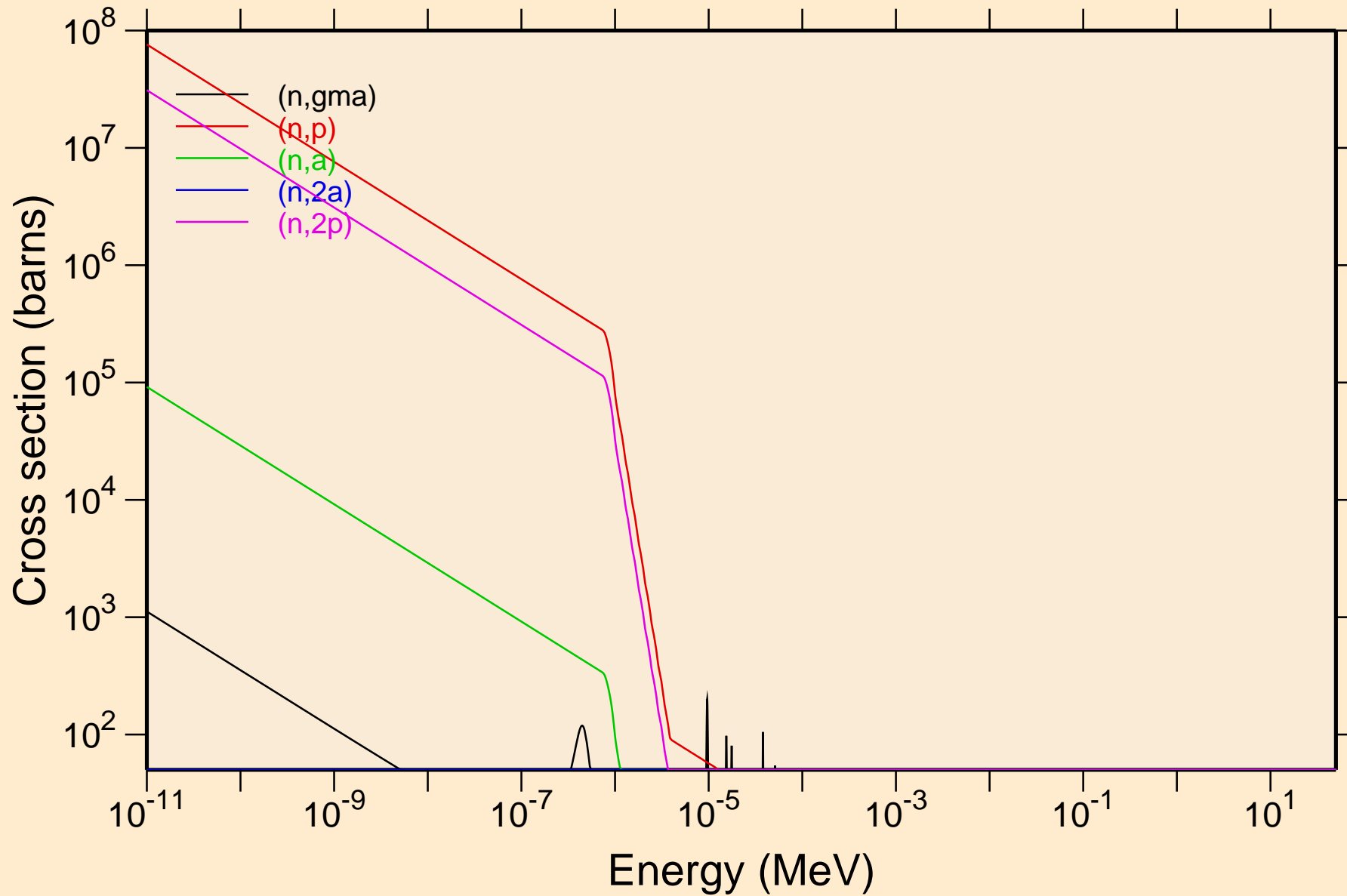
# RU089 NRG TENDL-2015, AKONING

## Principal cross sections

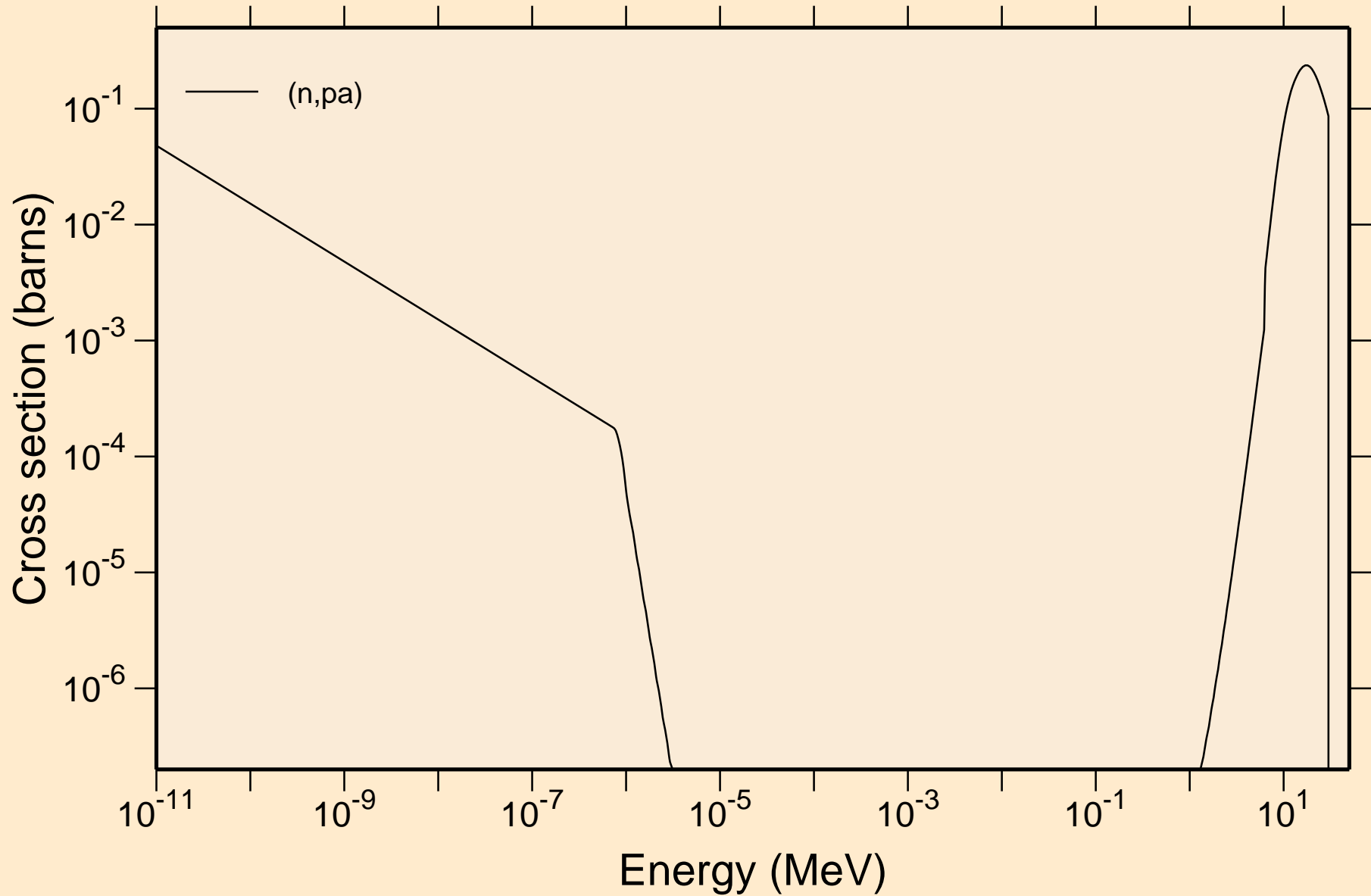


# RU089 NRG TENDL-2015, AKONING

## Non-threshold reactions

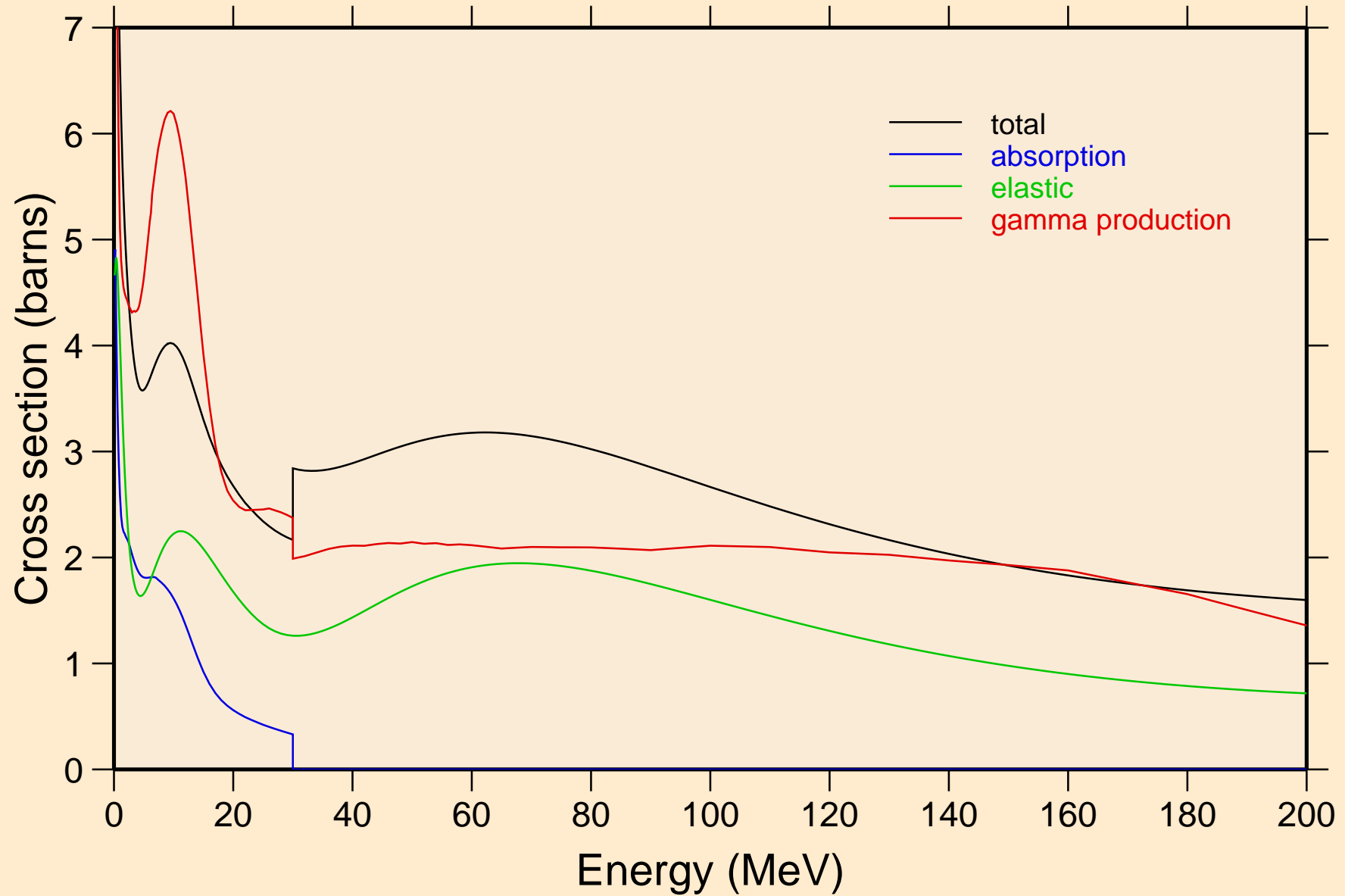


RU089 NRG TENDL-2015, AKONING  
Non-threshold reactions



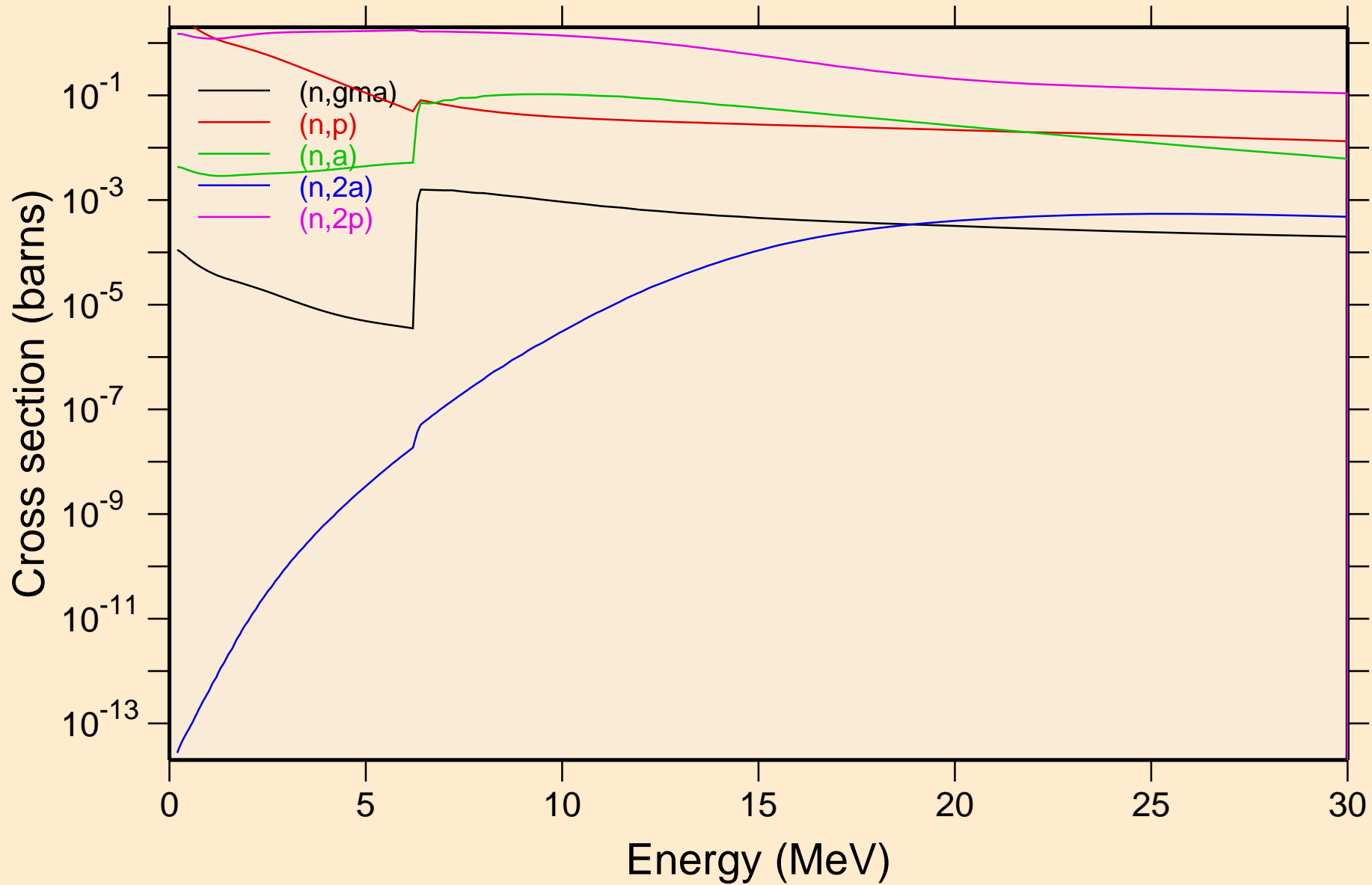
# RU089 NRG TENDL-2015, AKONING

## Principal cross sections

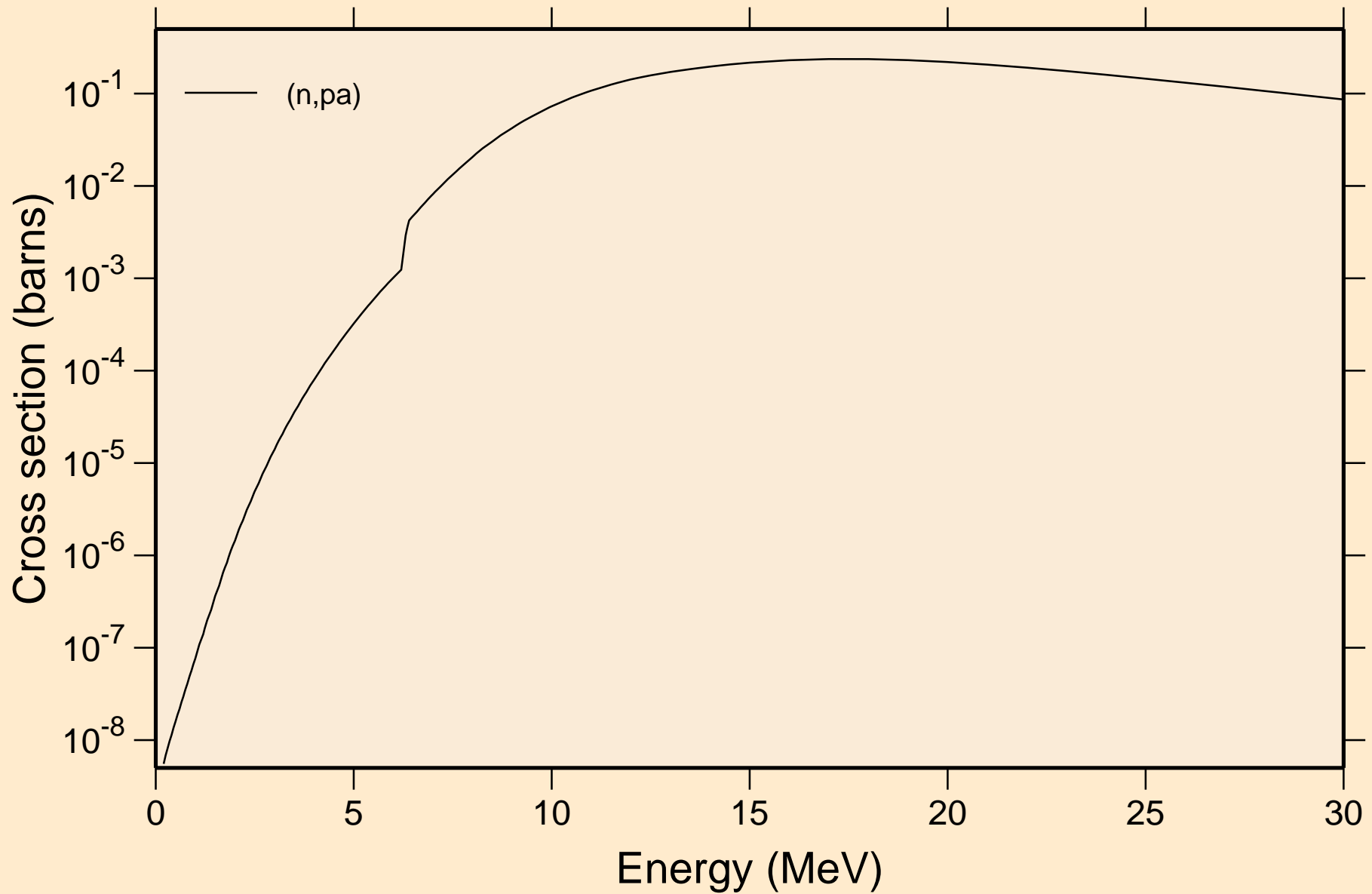


# RU089 NRG TENDL-2015, AKONING

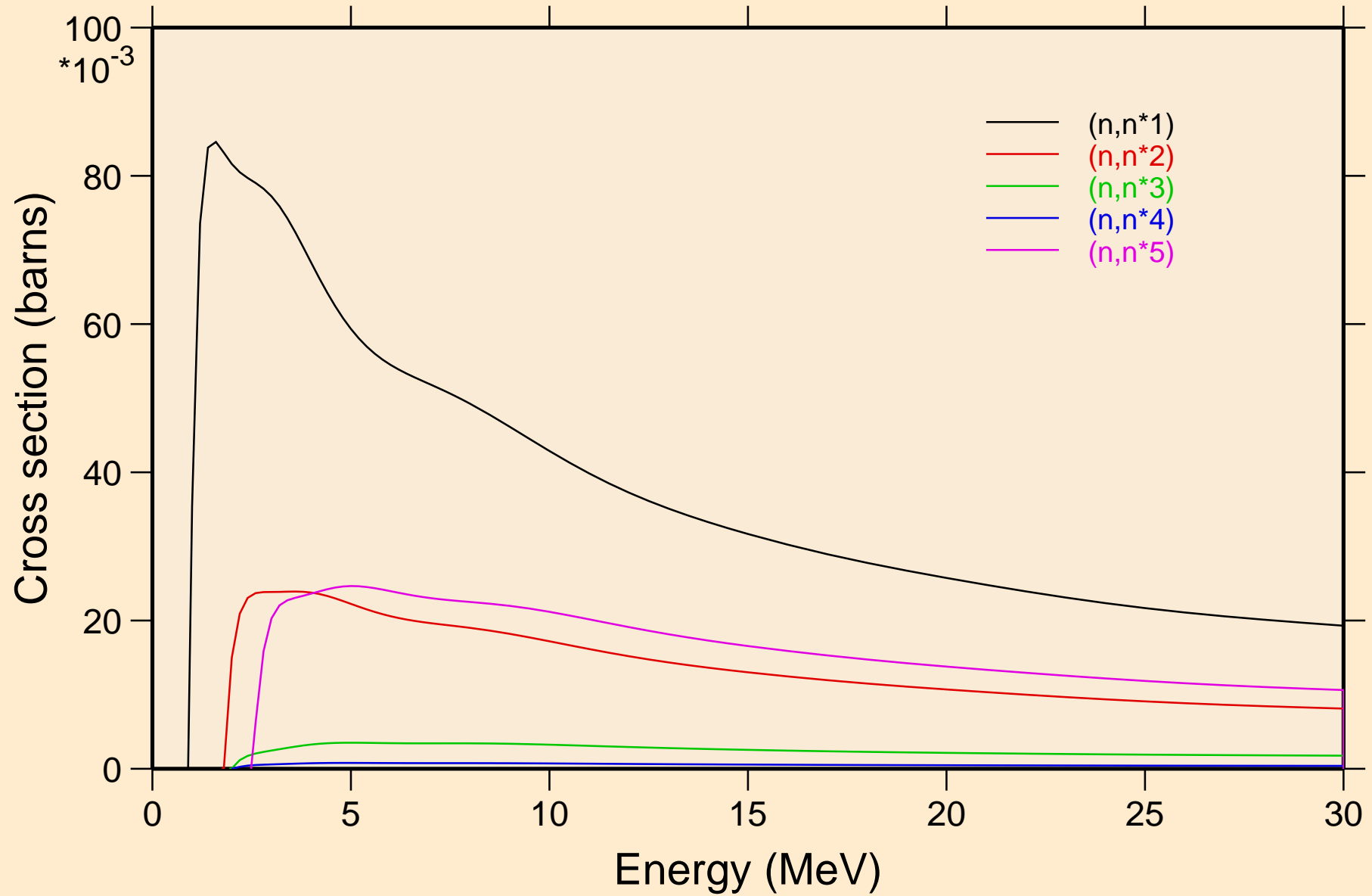
## Non-threshold reactions



RU089 NRG TENDL-2015, AKONING  
Non-threshold reactions

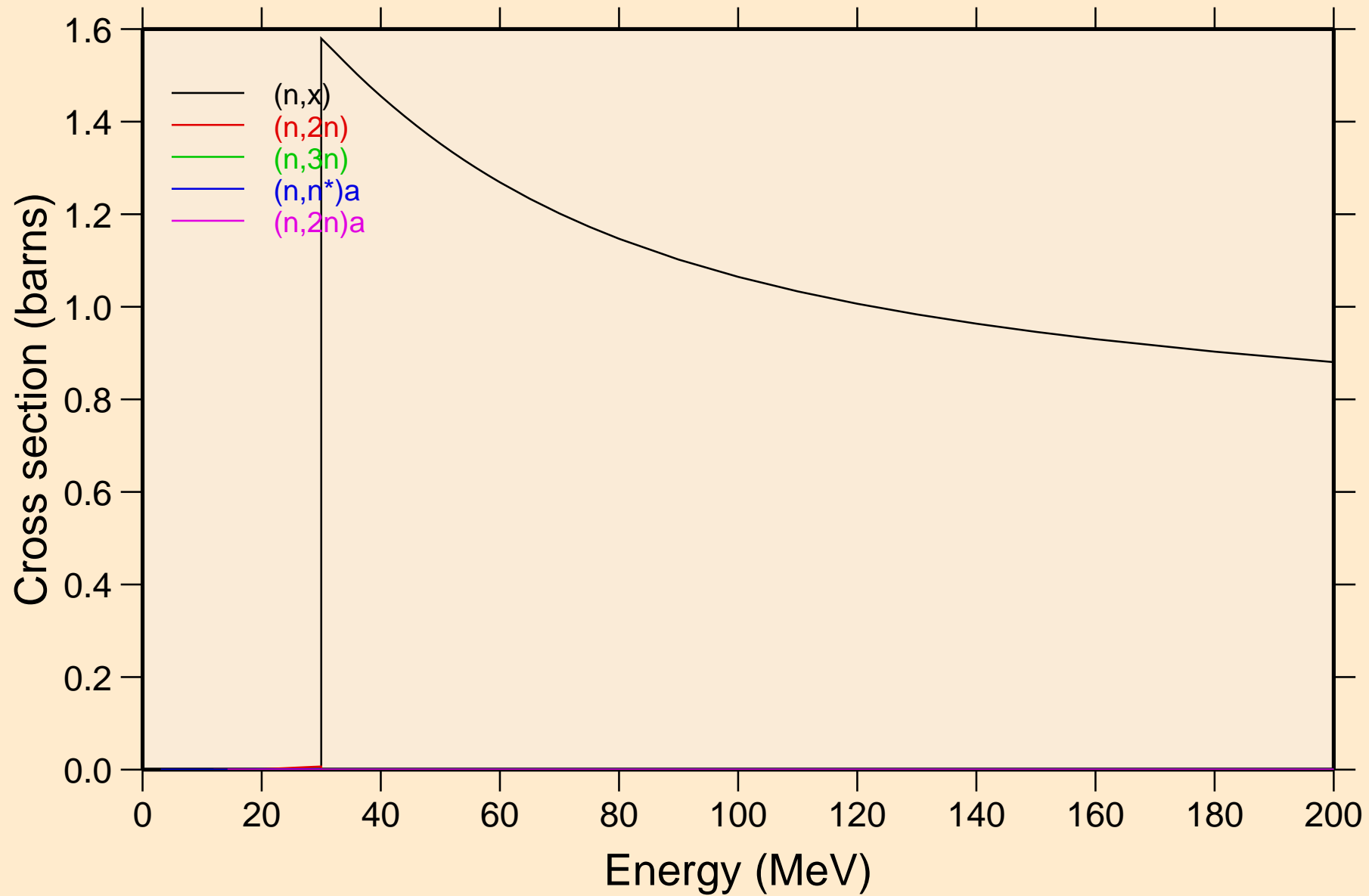


RU089 NRG TENDL-2015, AKONING  
Inelastic levels



# RU089 NRG TENDL-2015, AKONING

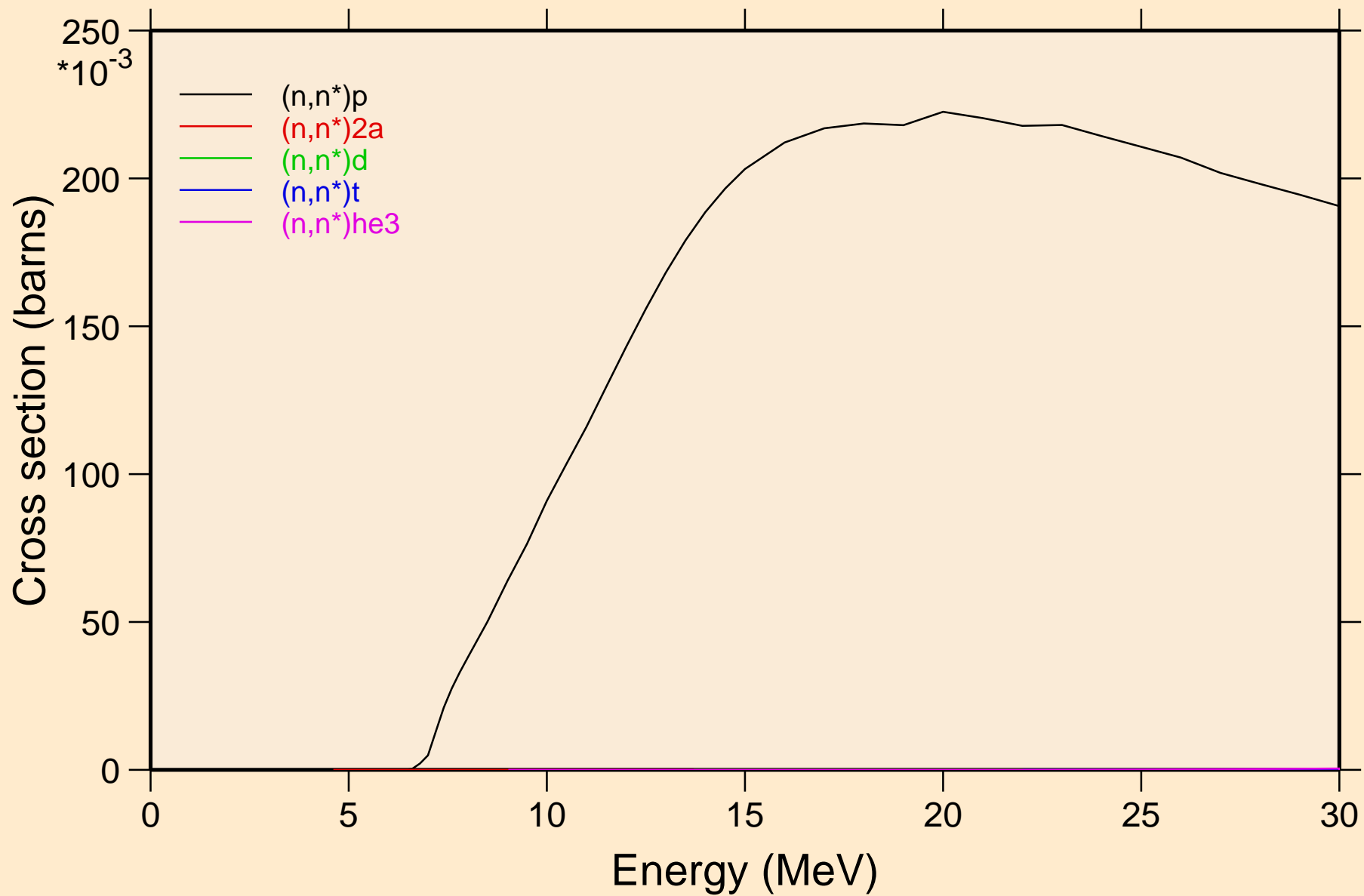
## Threshold reactions





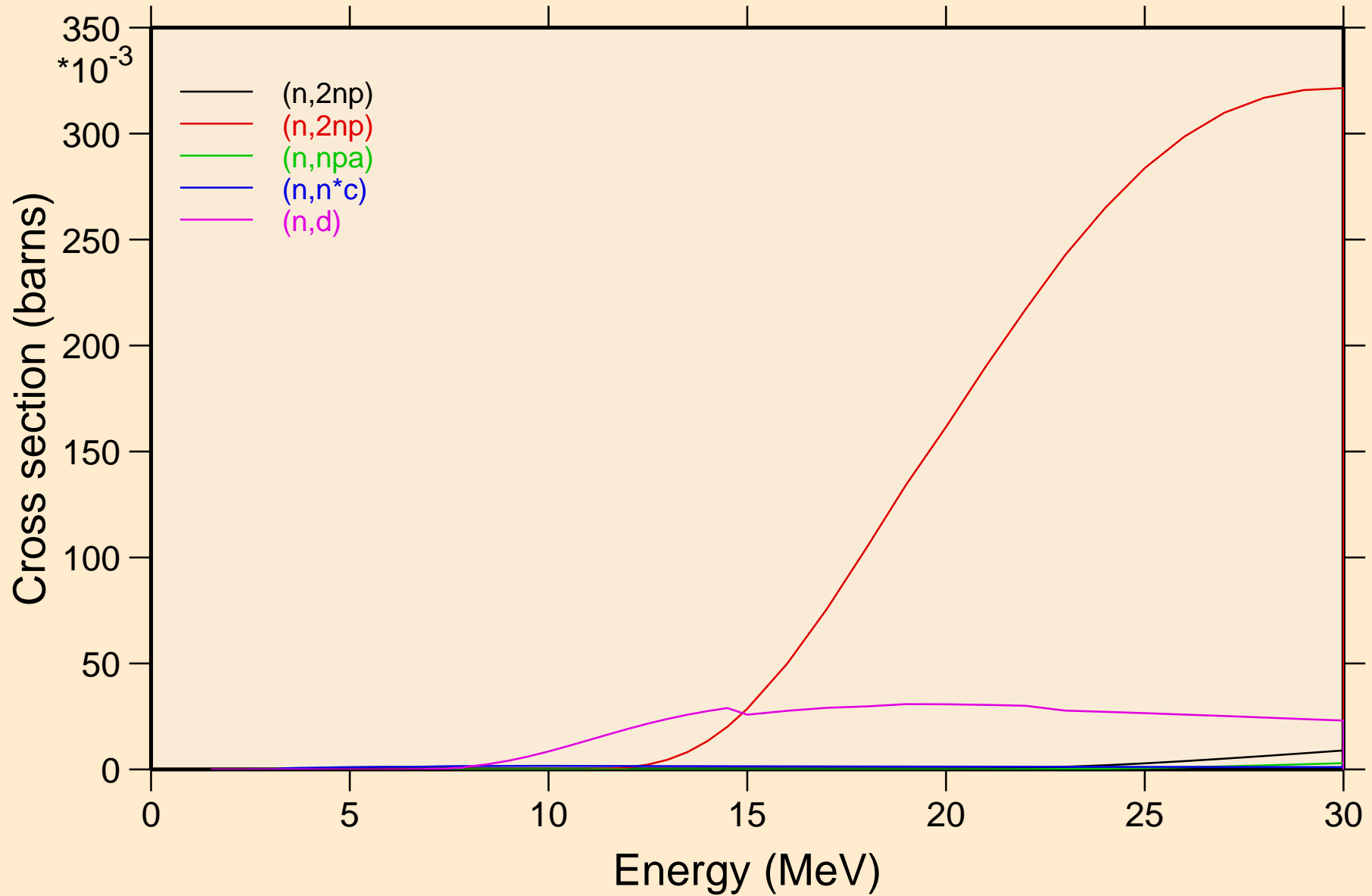
# RU089 NRG TENDL-2015, AKONING

## Threshold reactions



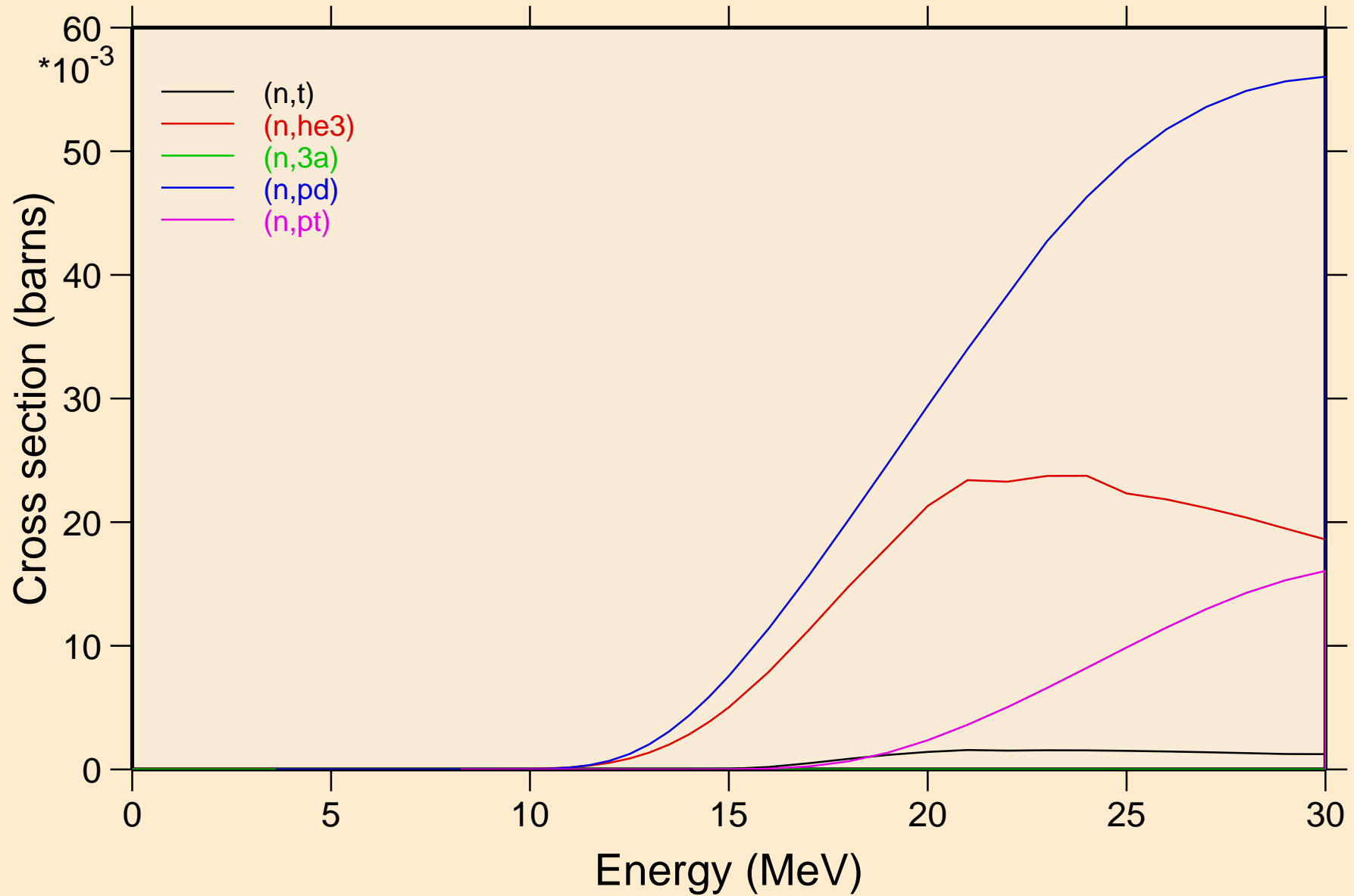
# RU089 NRG TENDL-2015, AKONING

## Threshold reactions

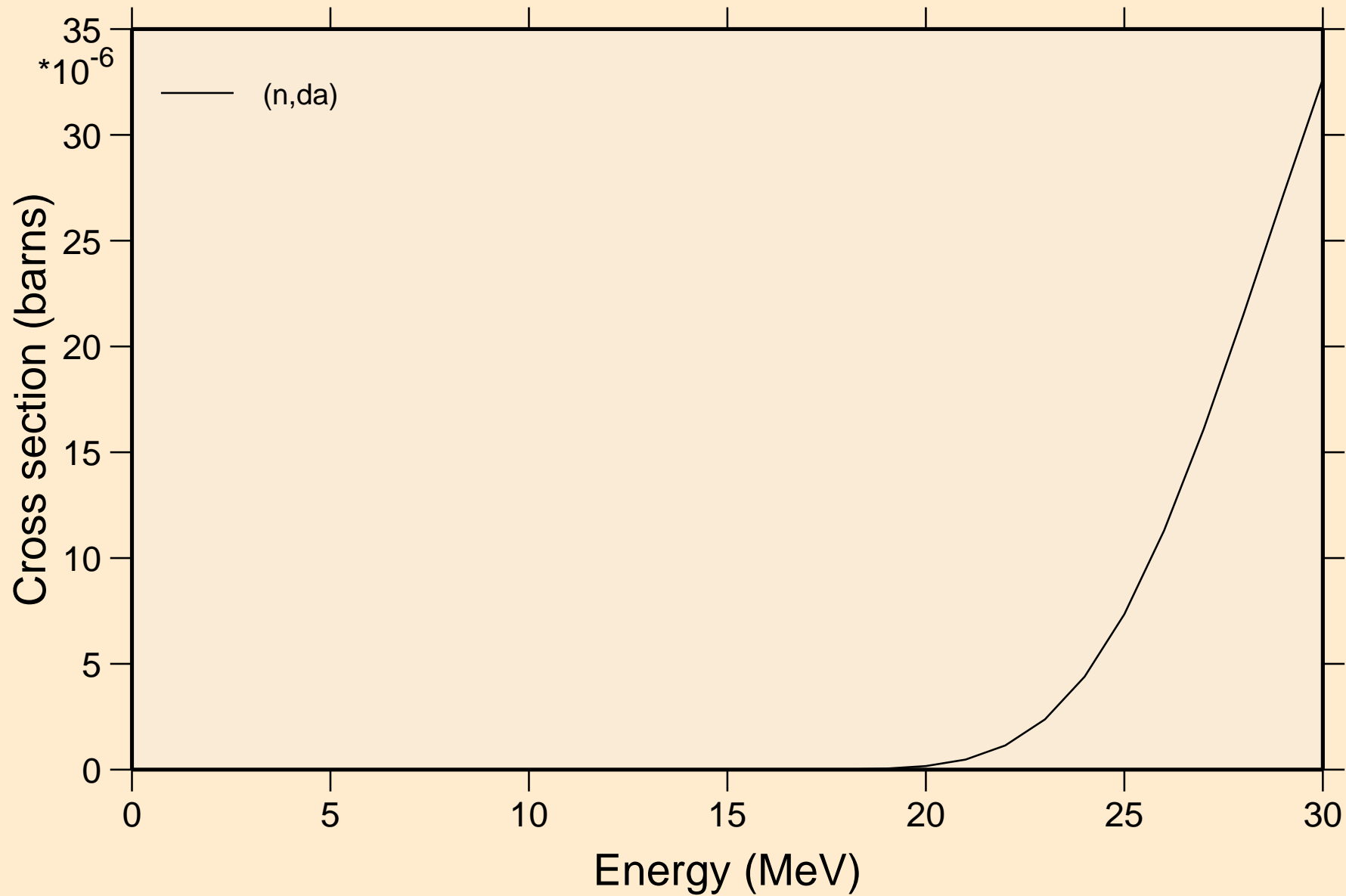


# RU089 NRG TENDL-2015, AKONING

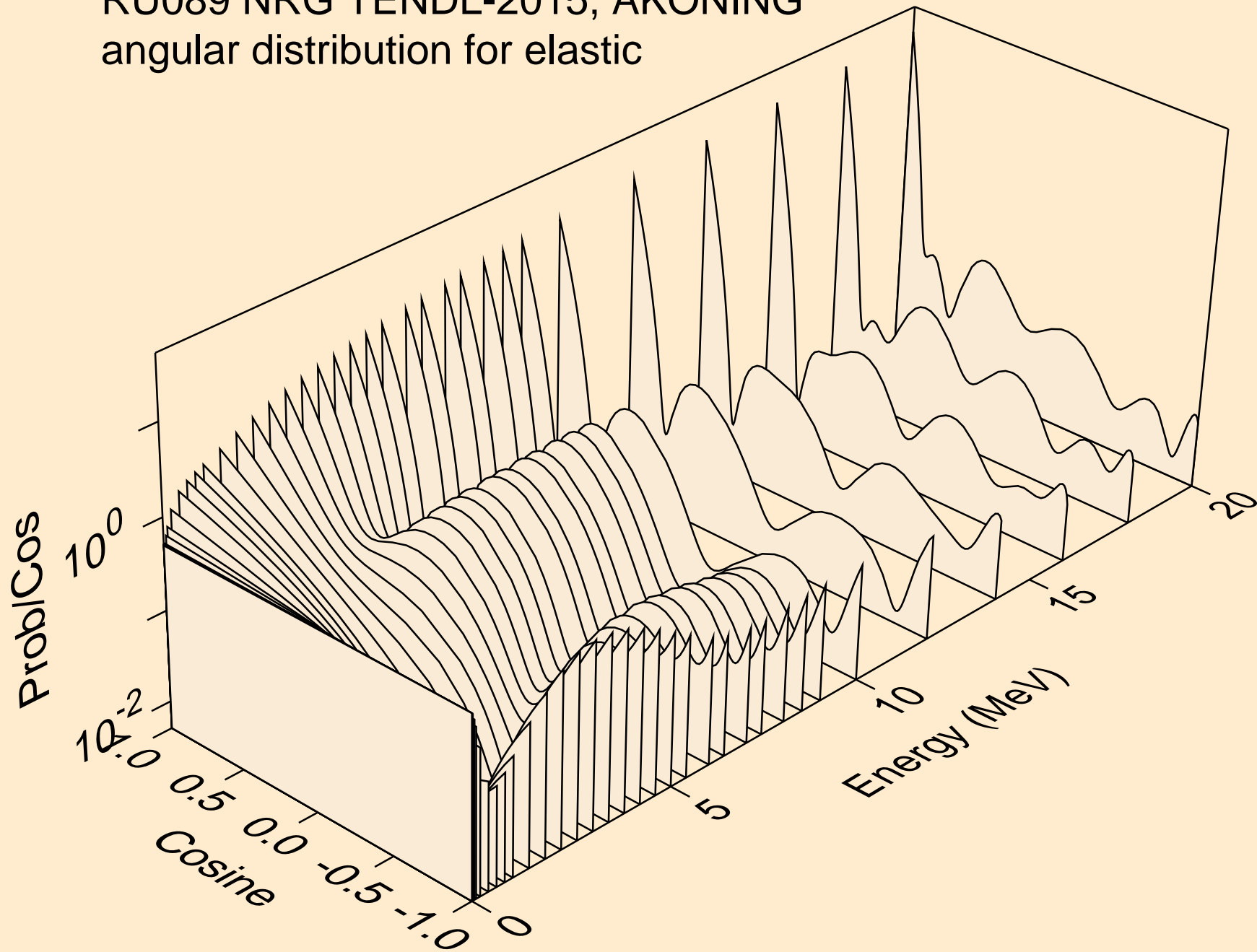
## Threshold reactions



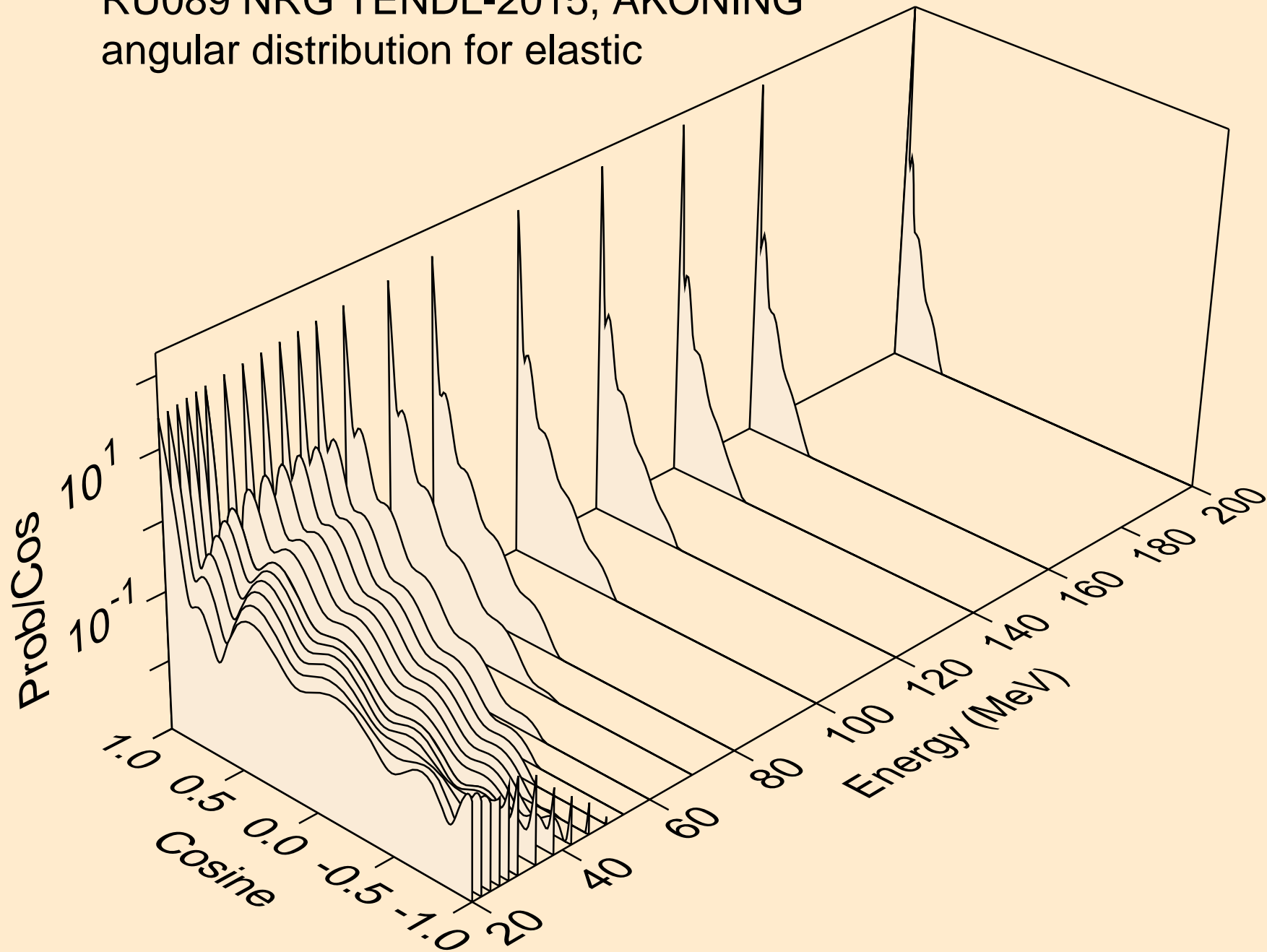
RU089 NRG TENDL-2015, AKONING  
Threshold reactions



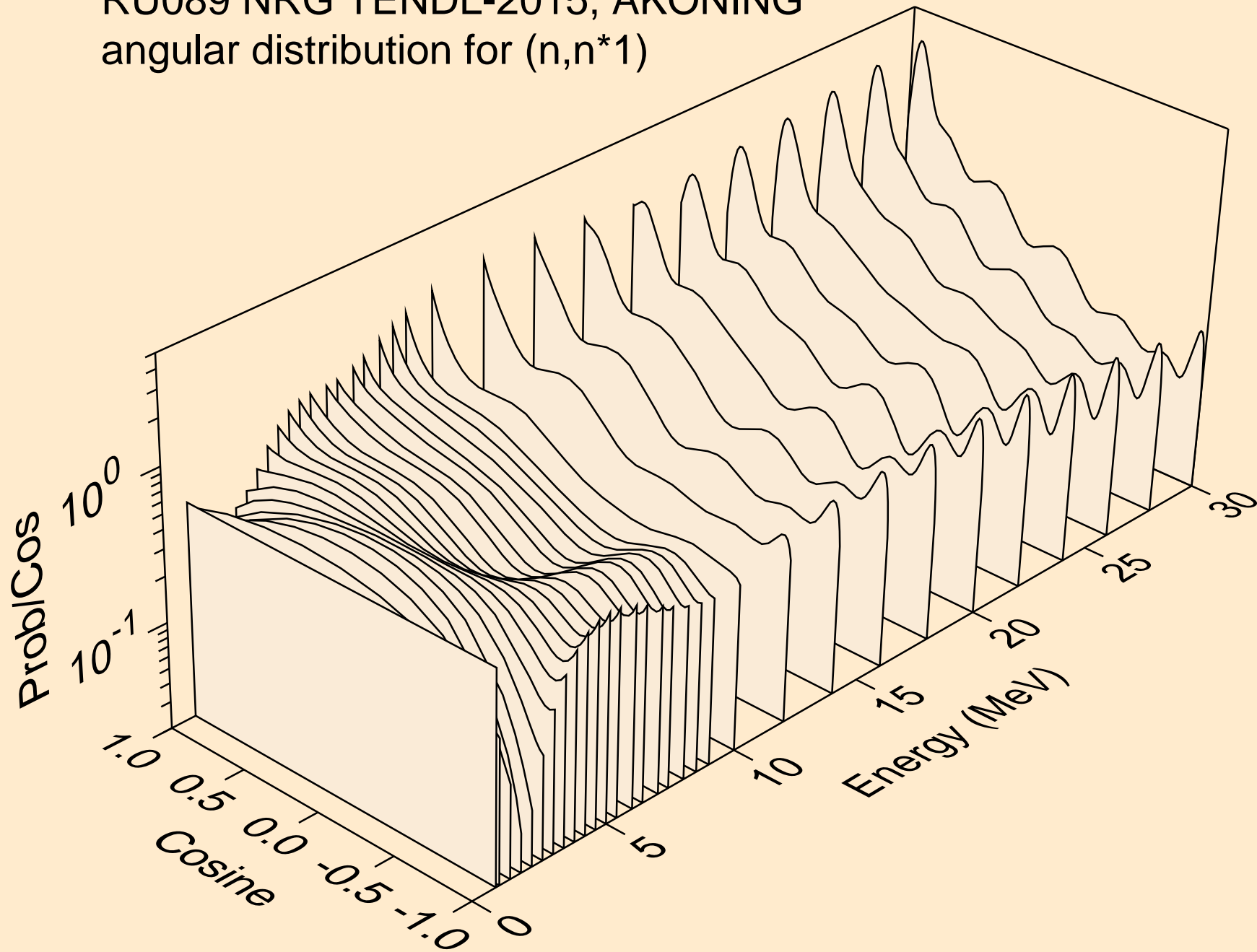
RU089 NRG TENDL-2015, AKONING  
angular distribution for elastic



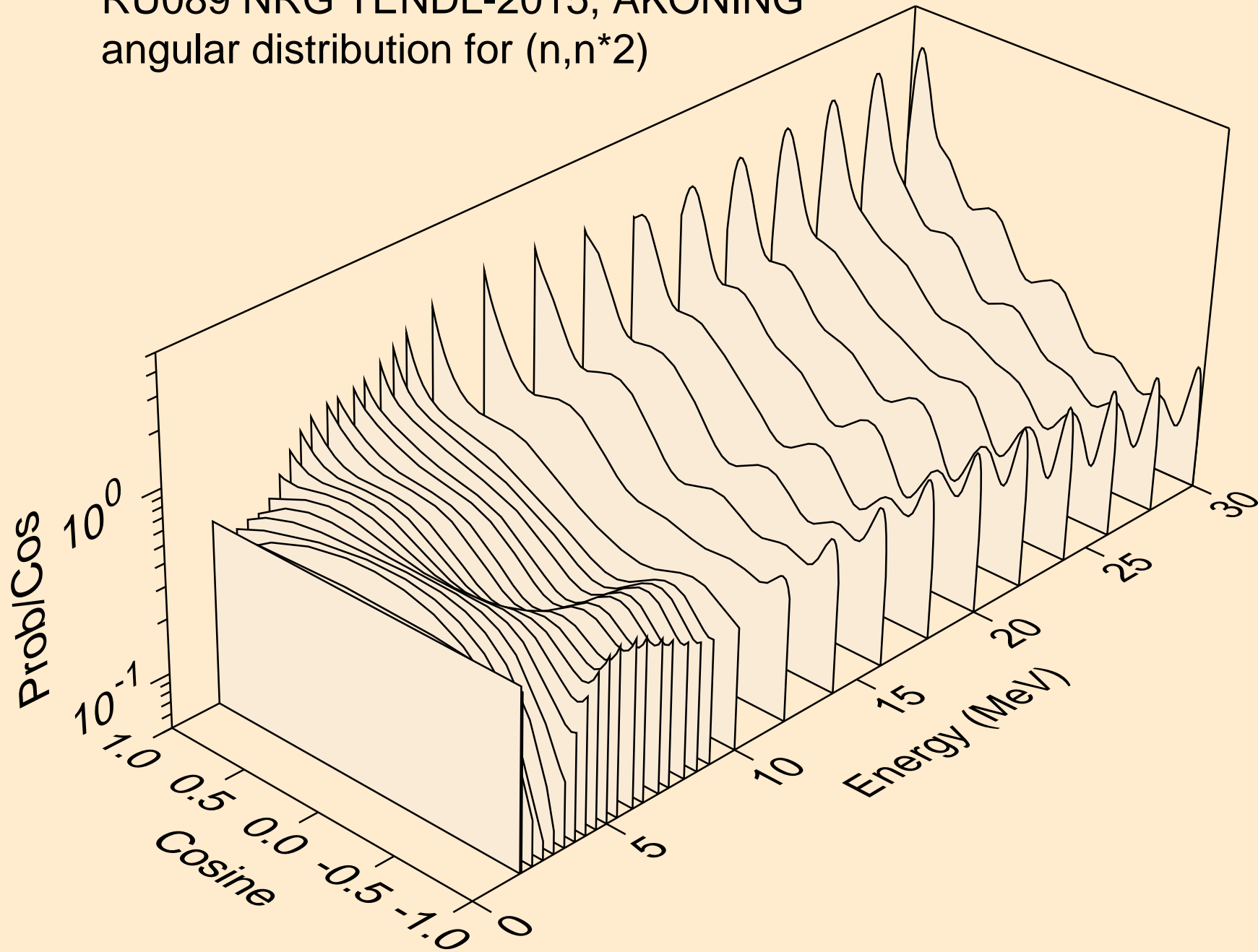
RU089 NRG TENDL-2015, AKONING  
angular distribution for elastic



RU089 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

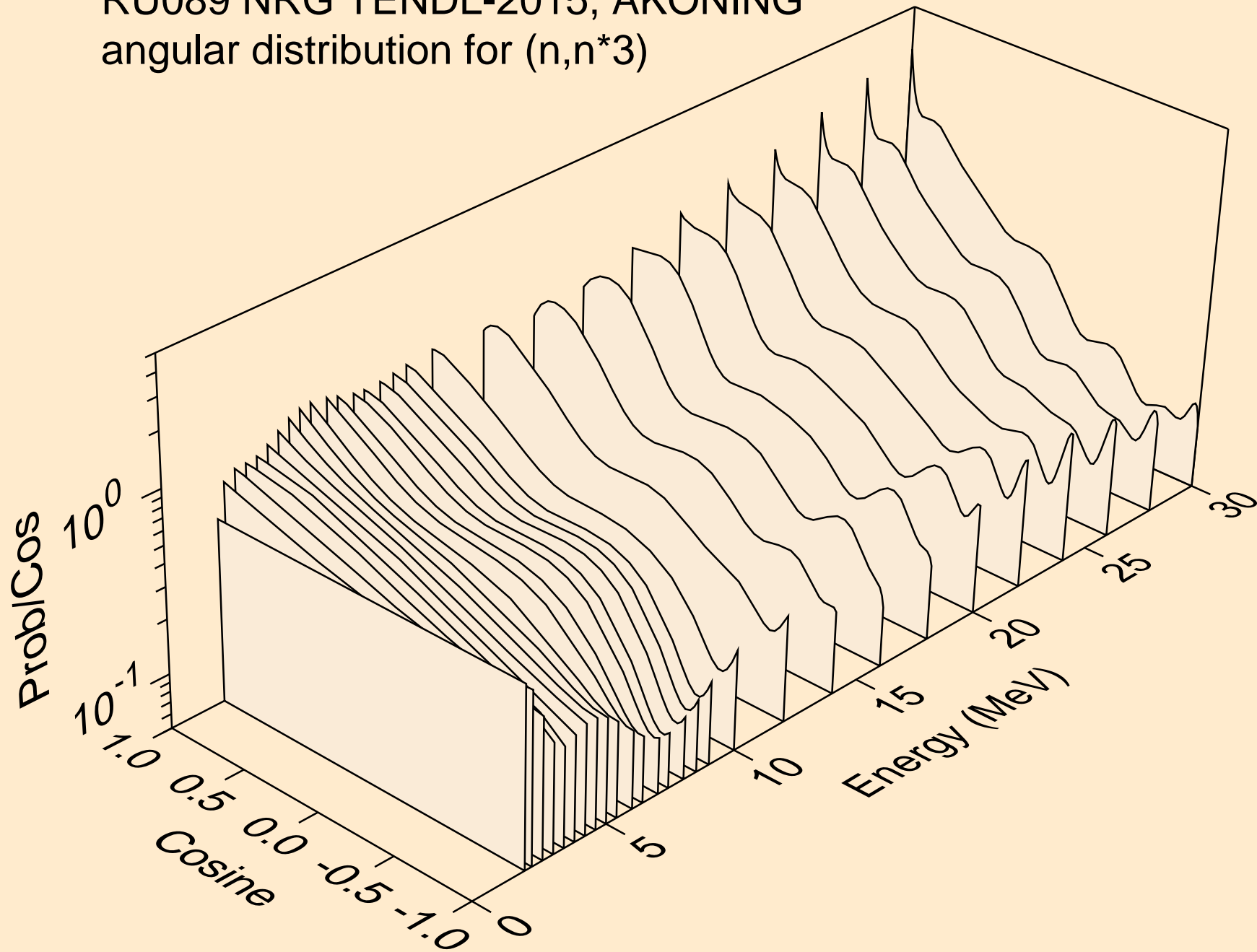


RU089 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)

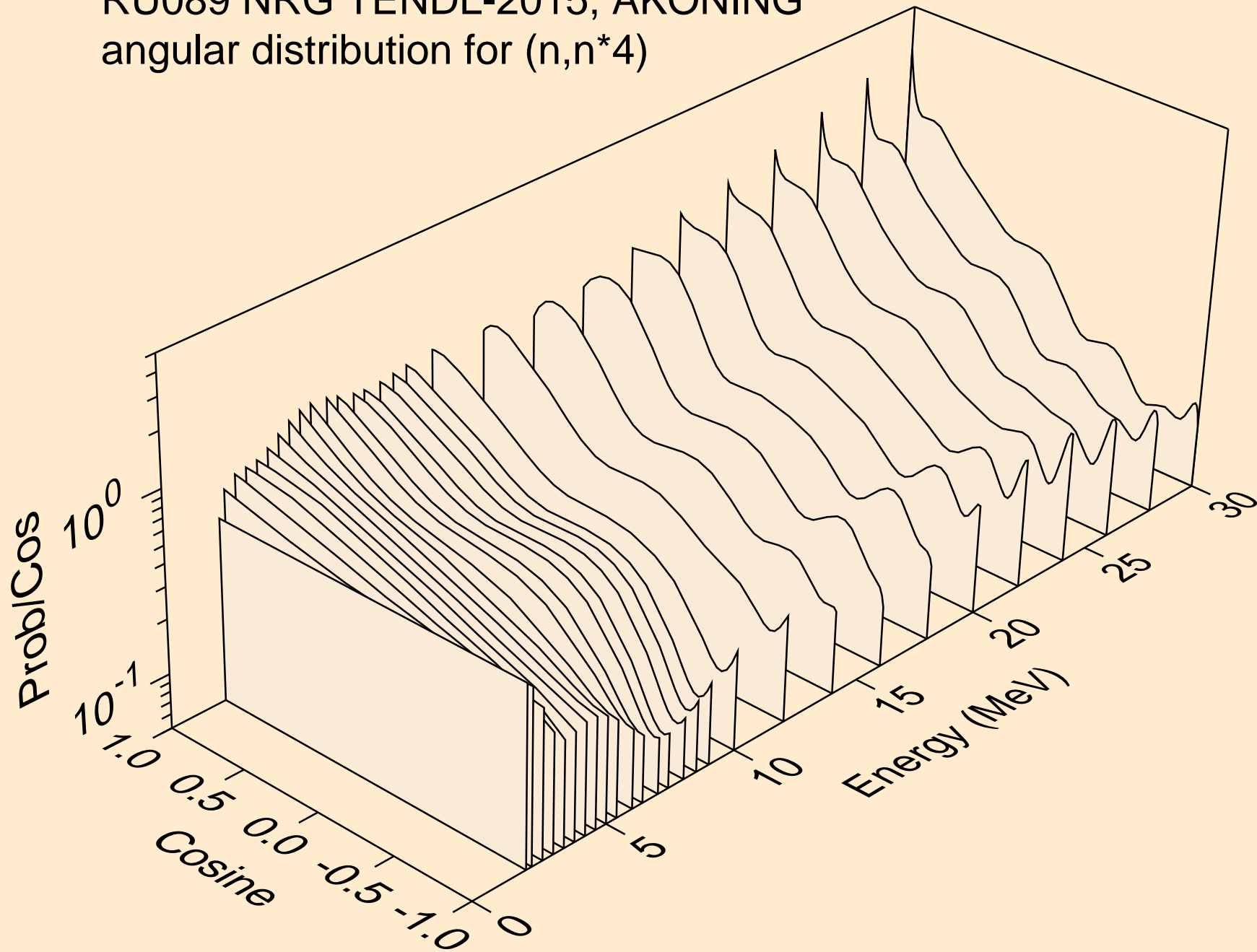




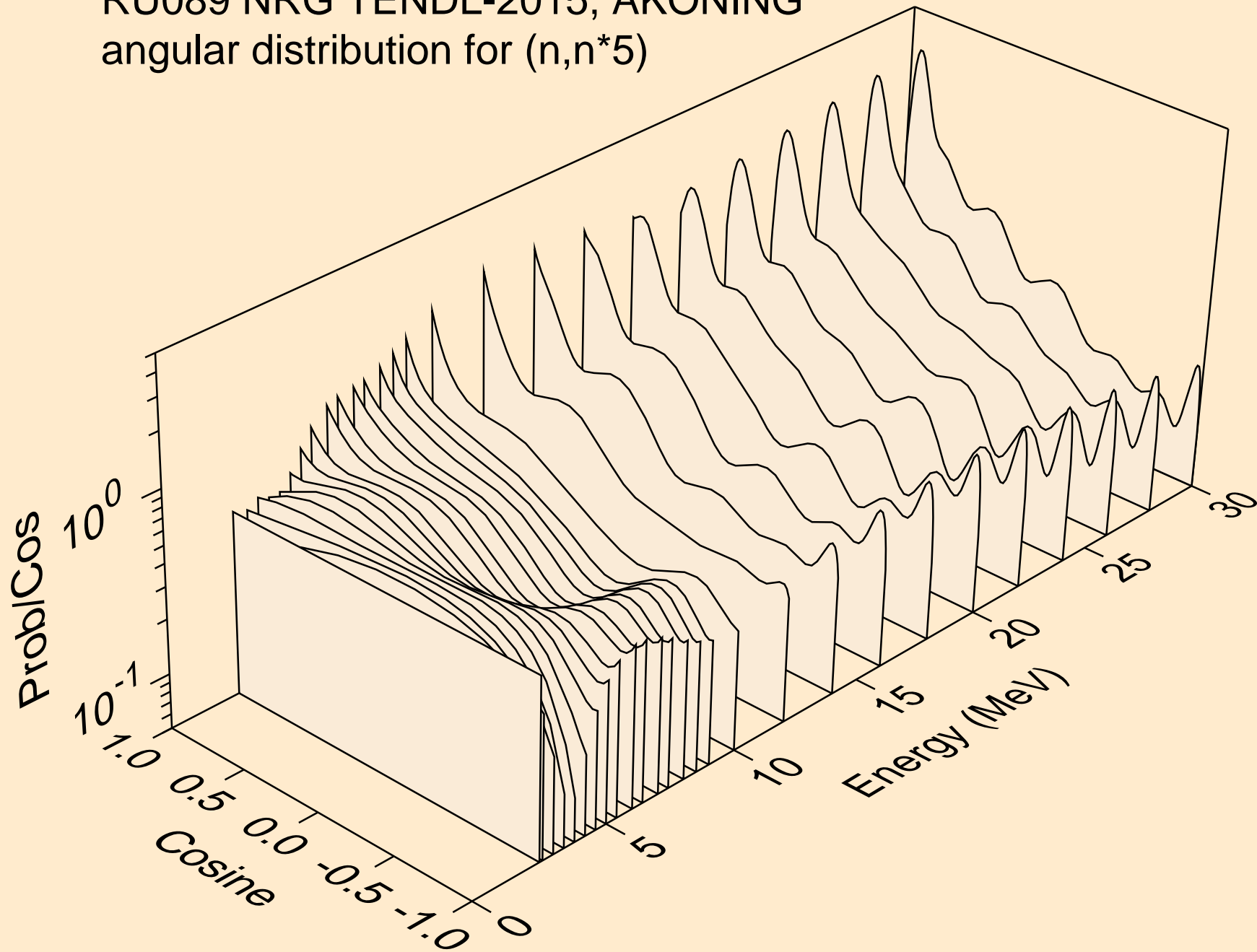
RU089 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



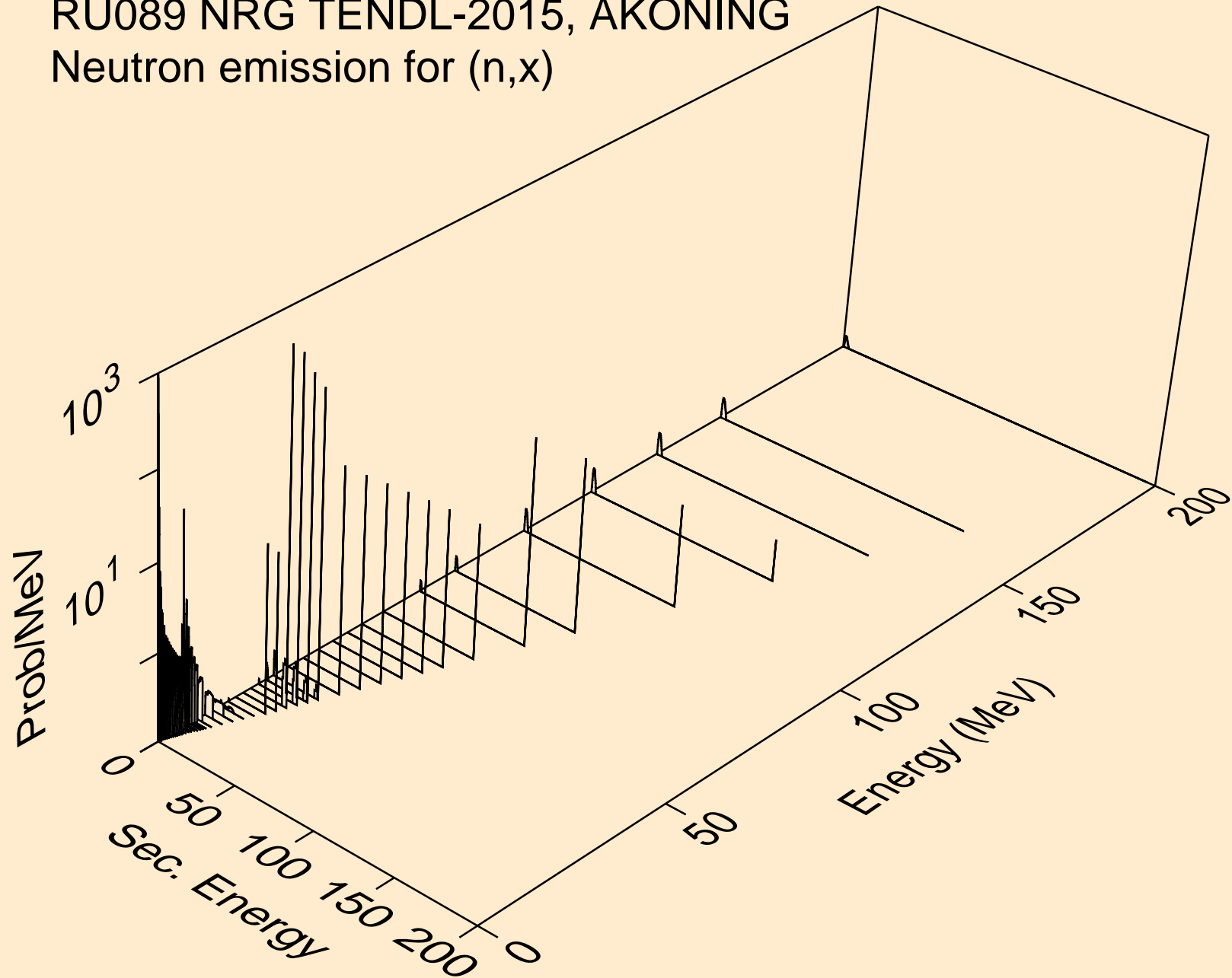
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angular distribution for (n,n\*4)



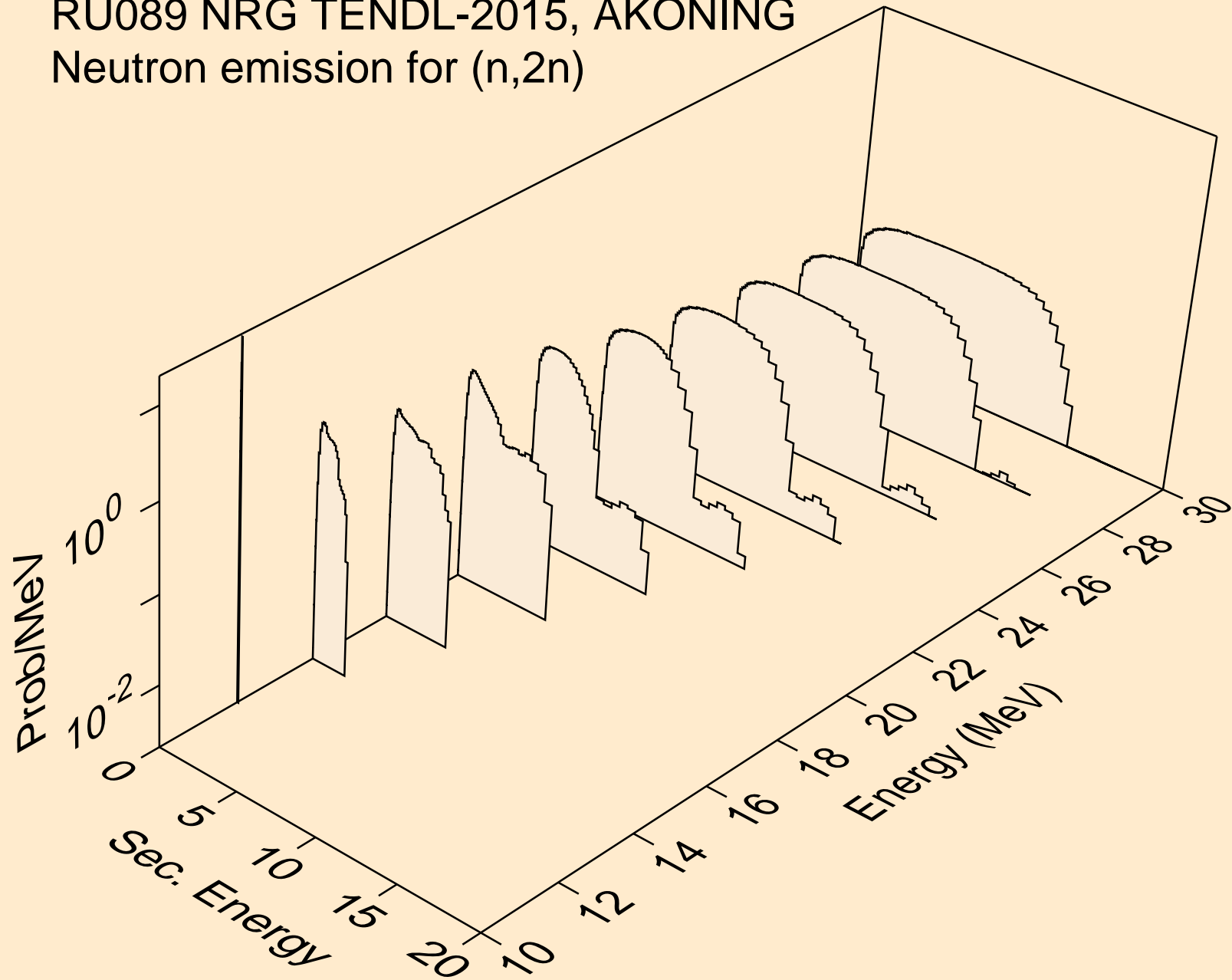
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angular distribution for (n,n\*5)



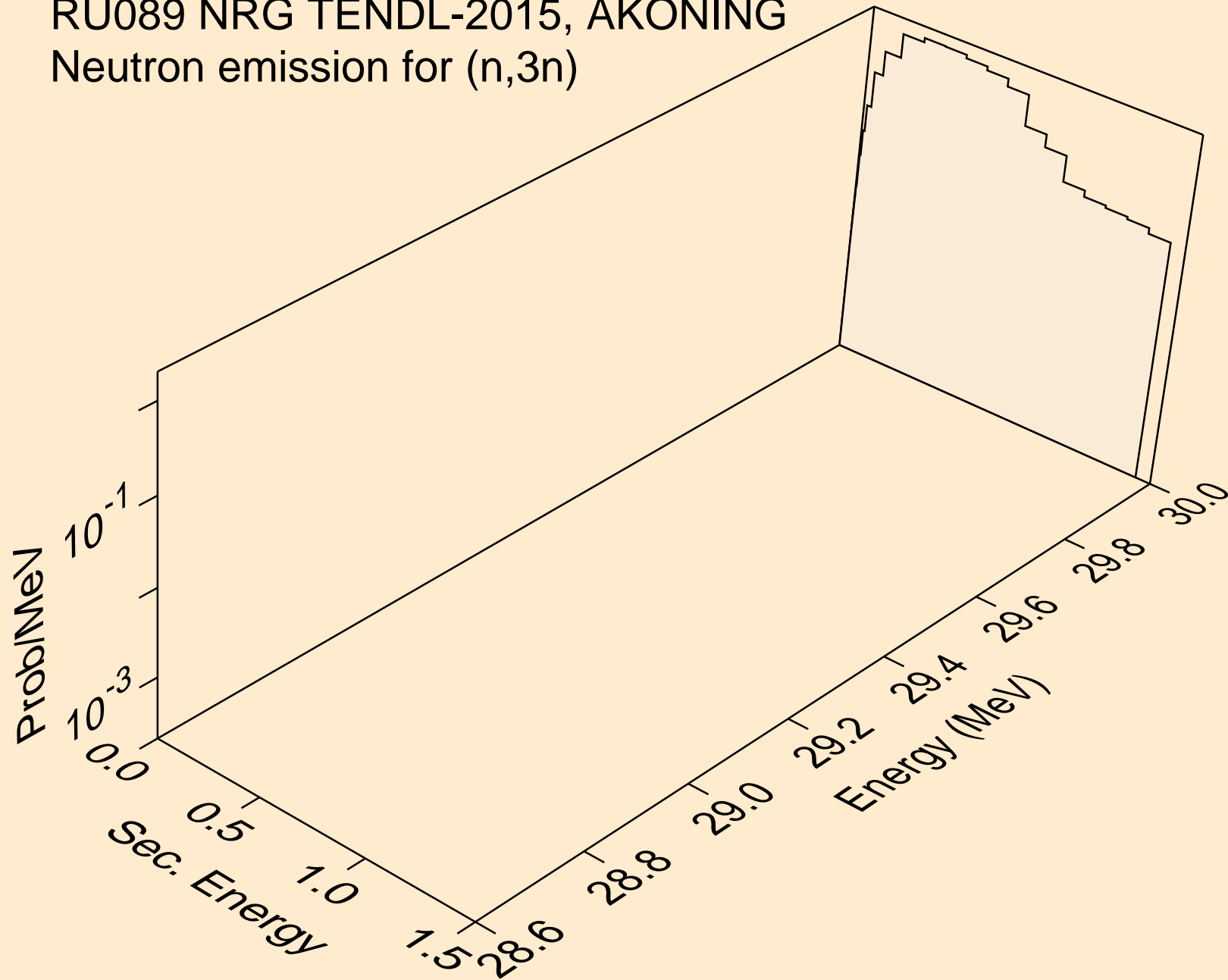
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



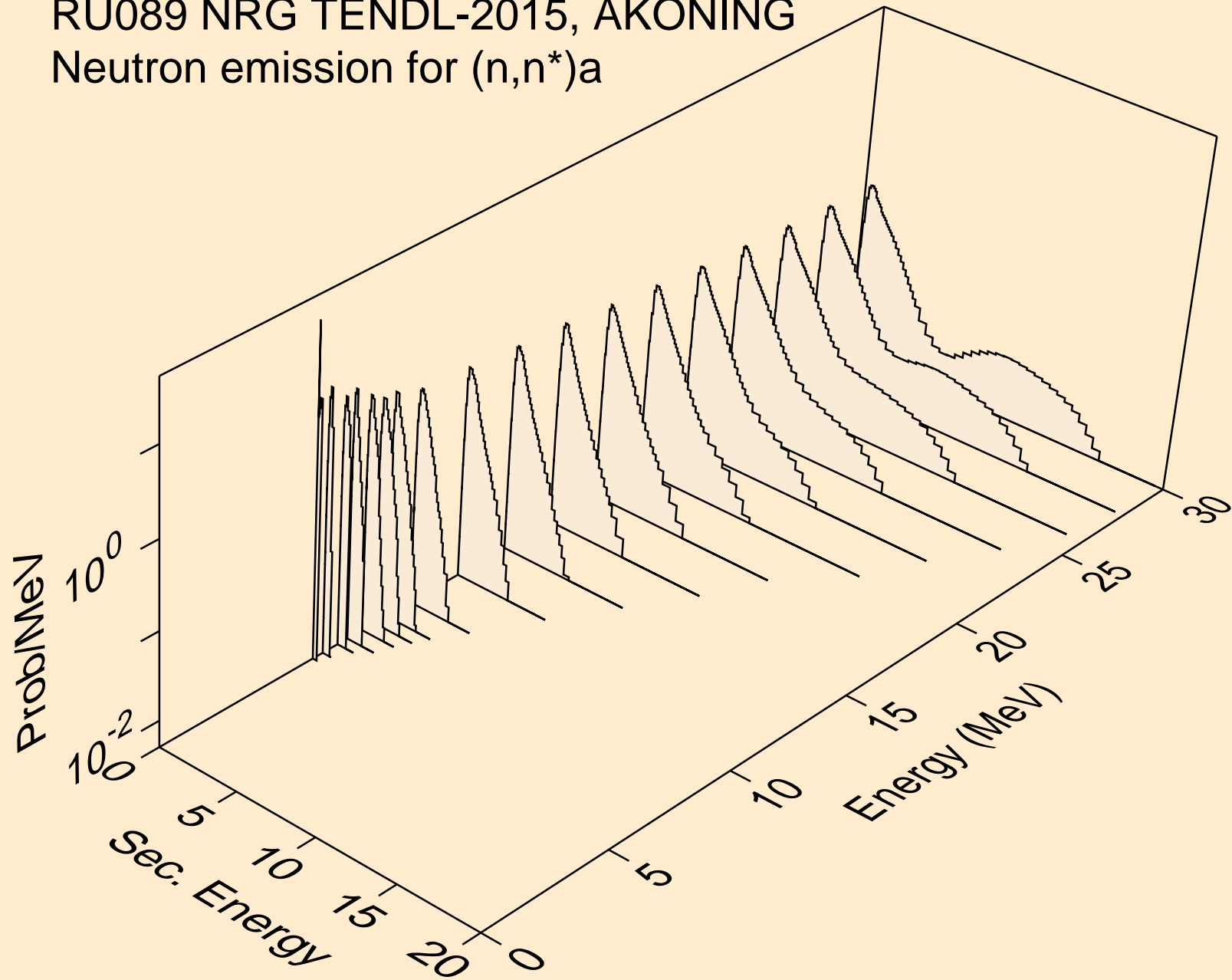
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



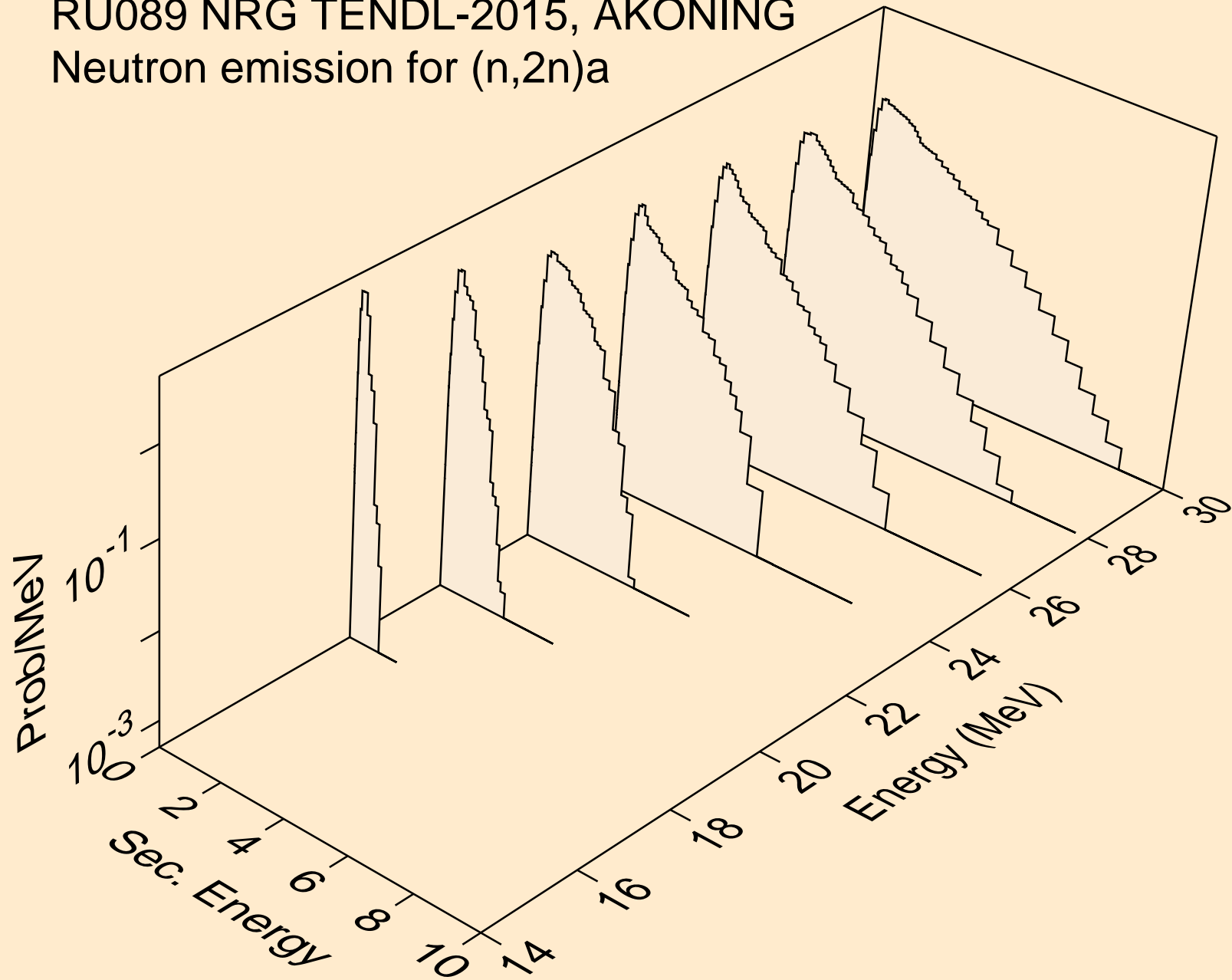
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

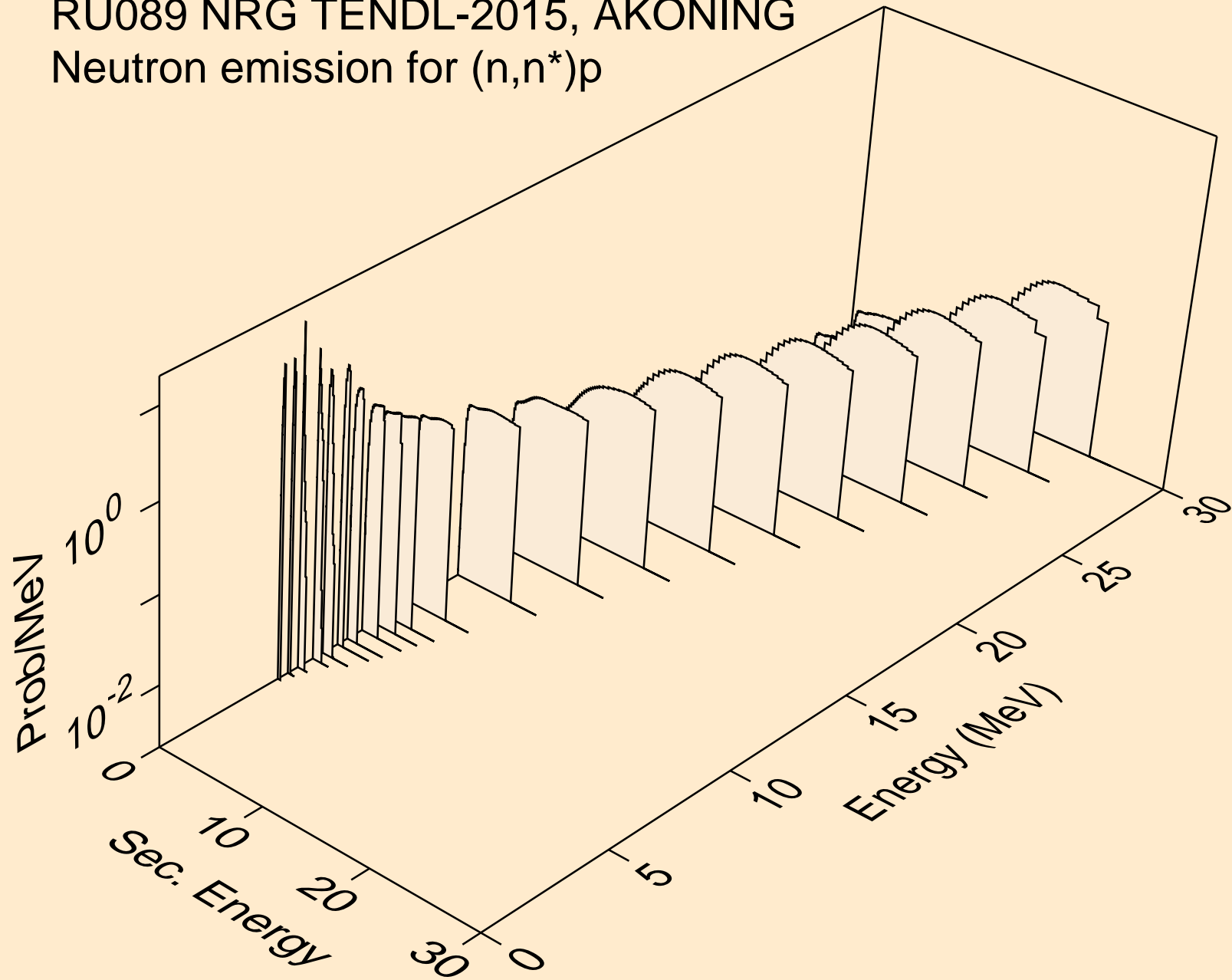


RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a

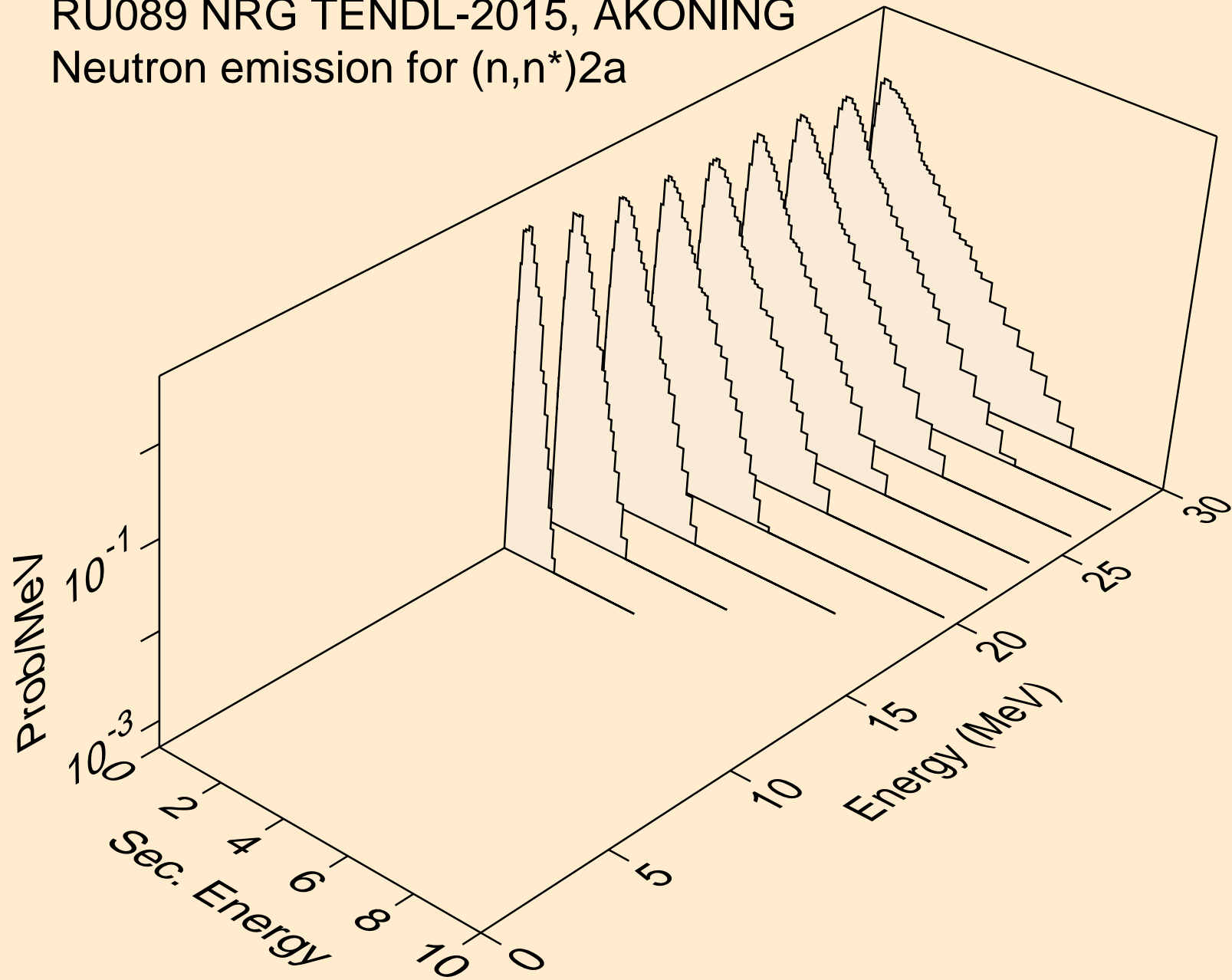




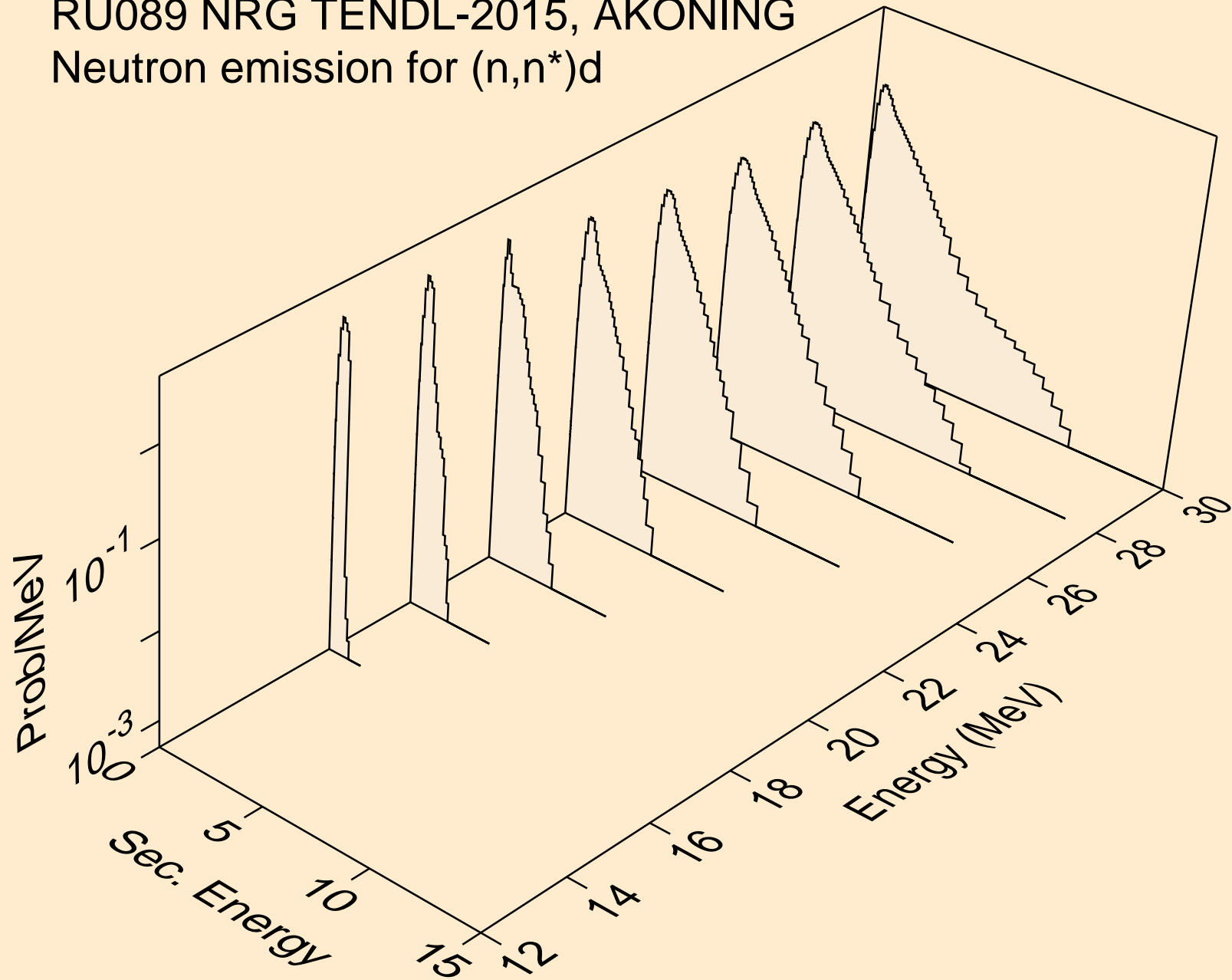
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



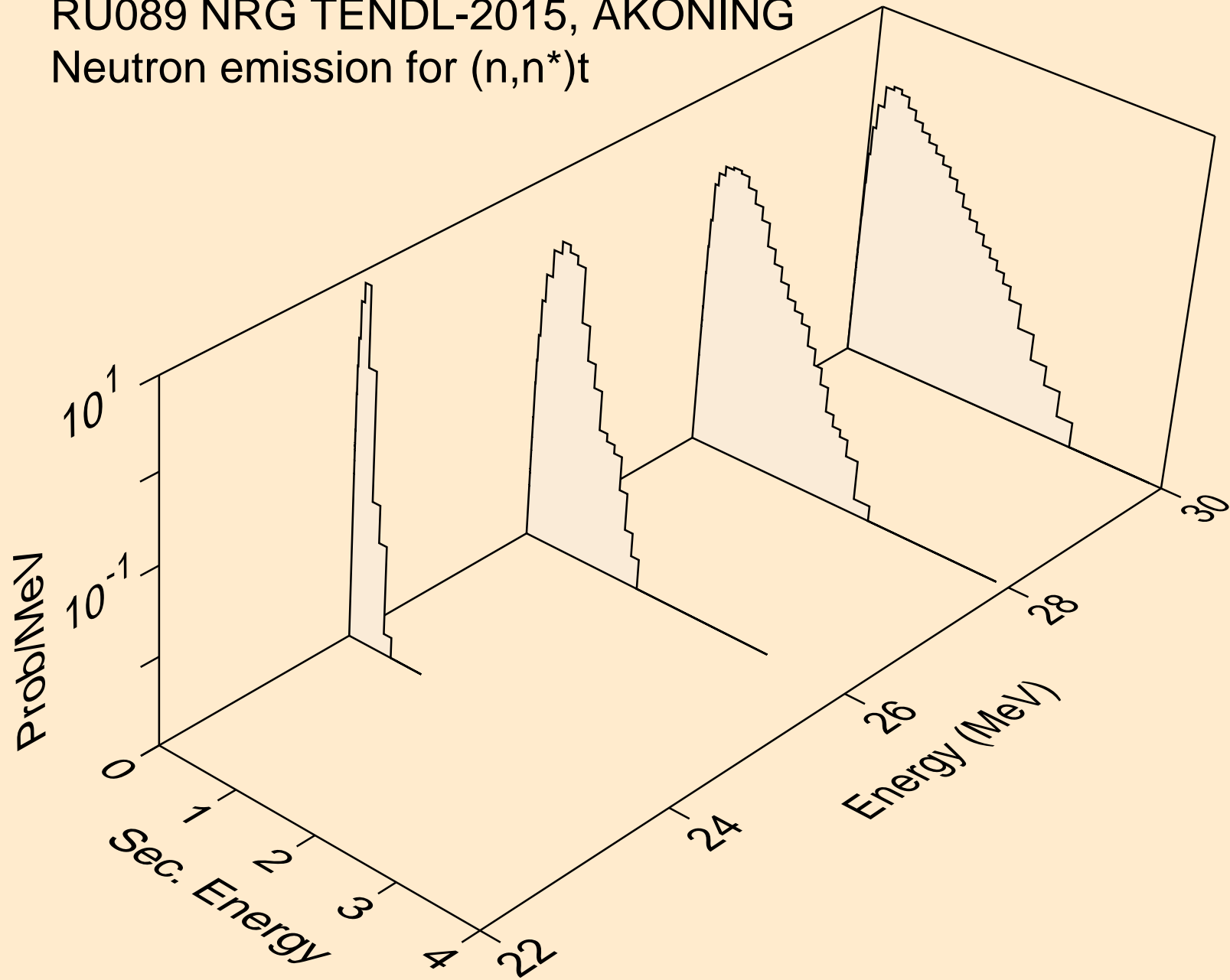
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



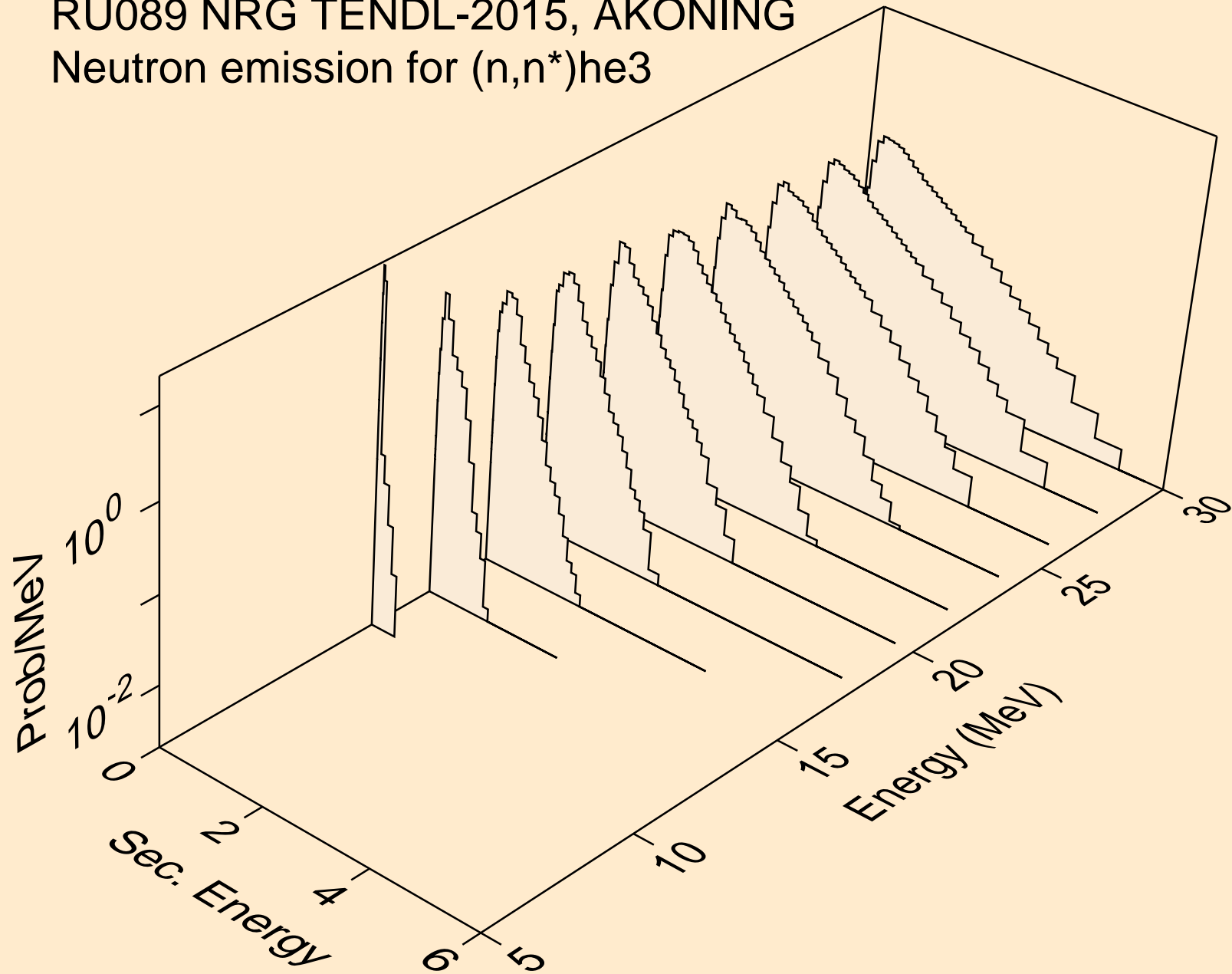
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



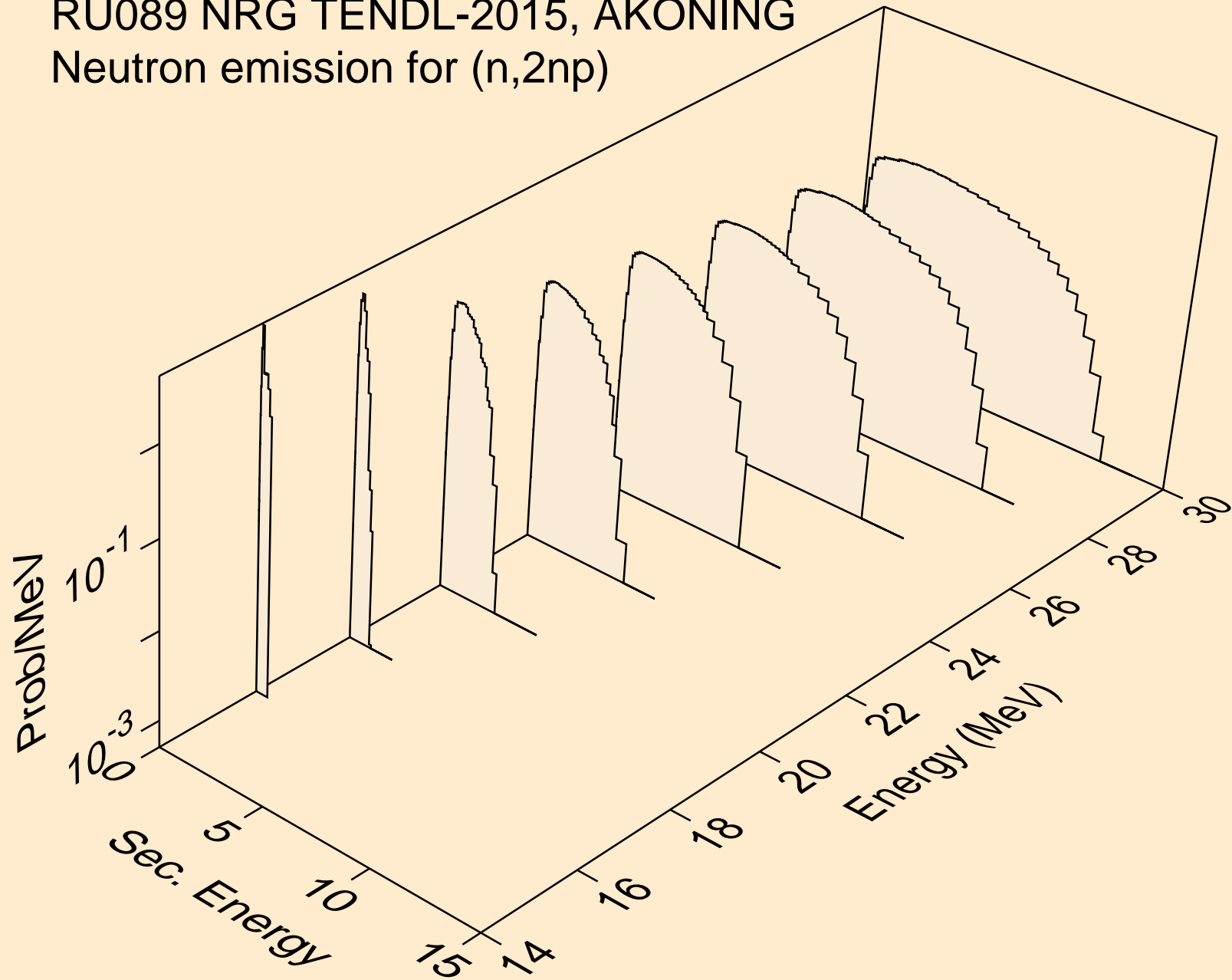
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



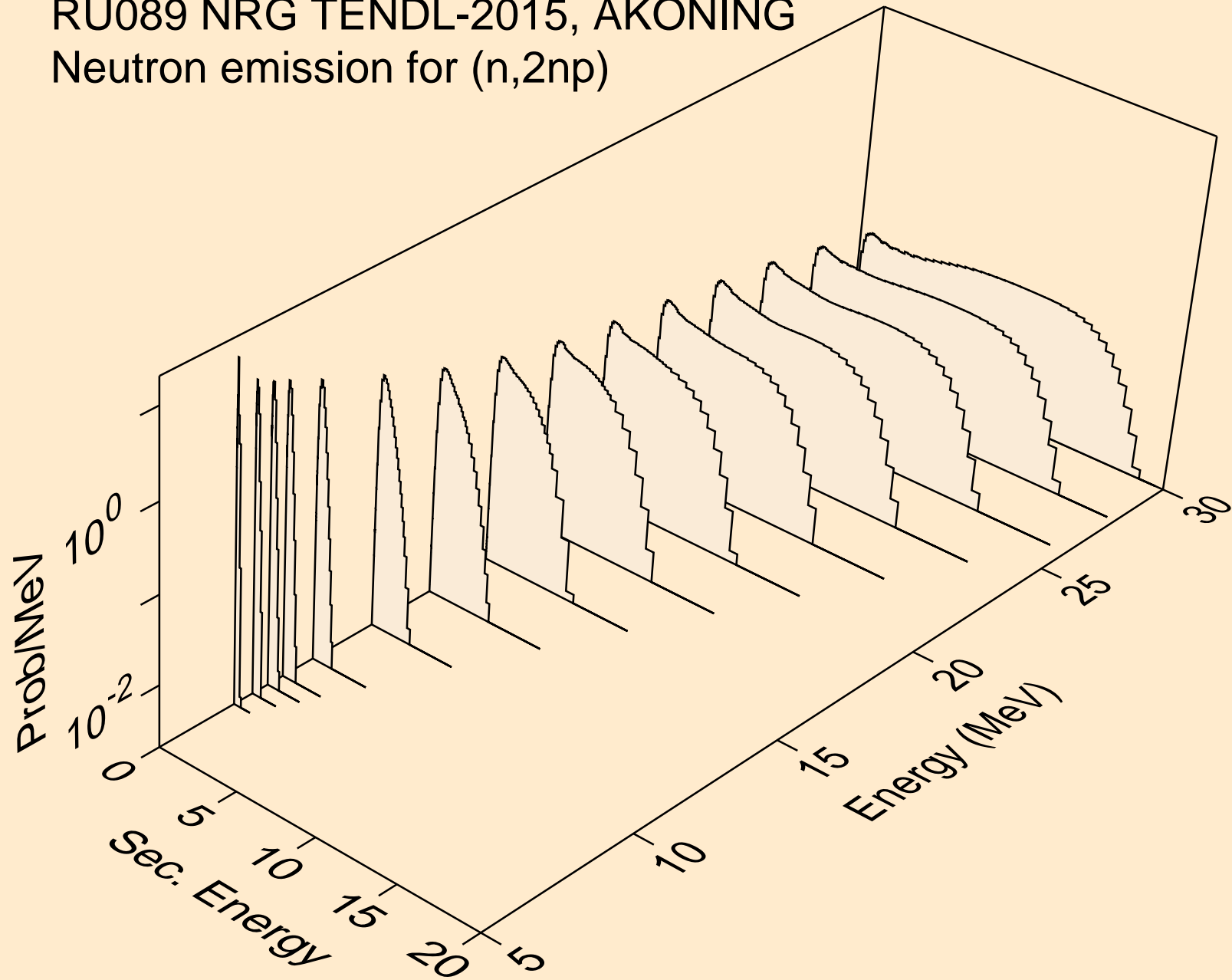
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



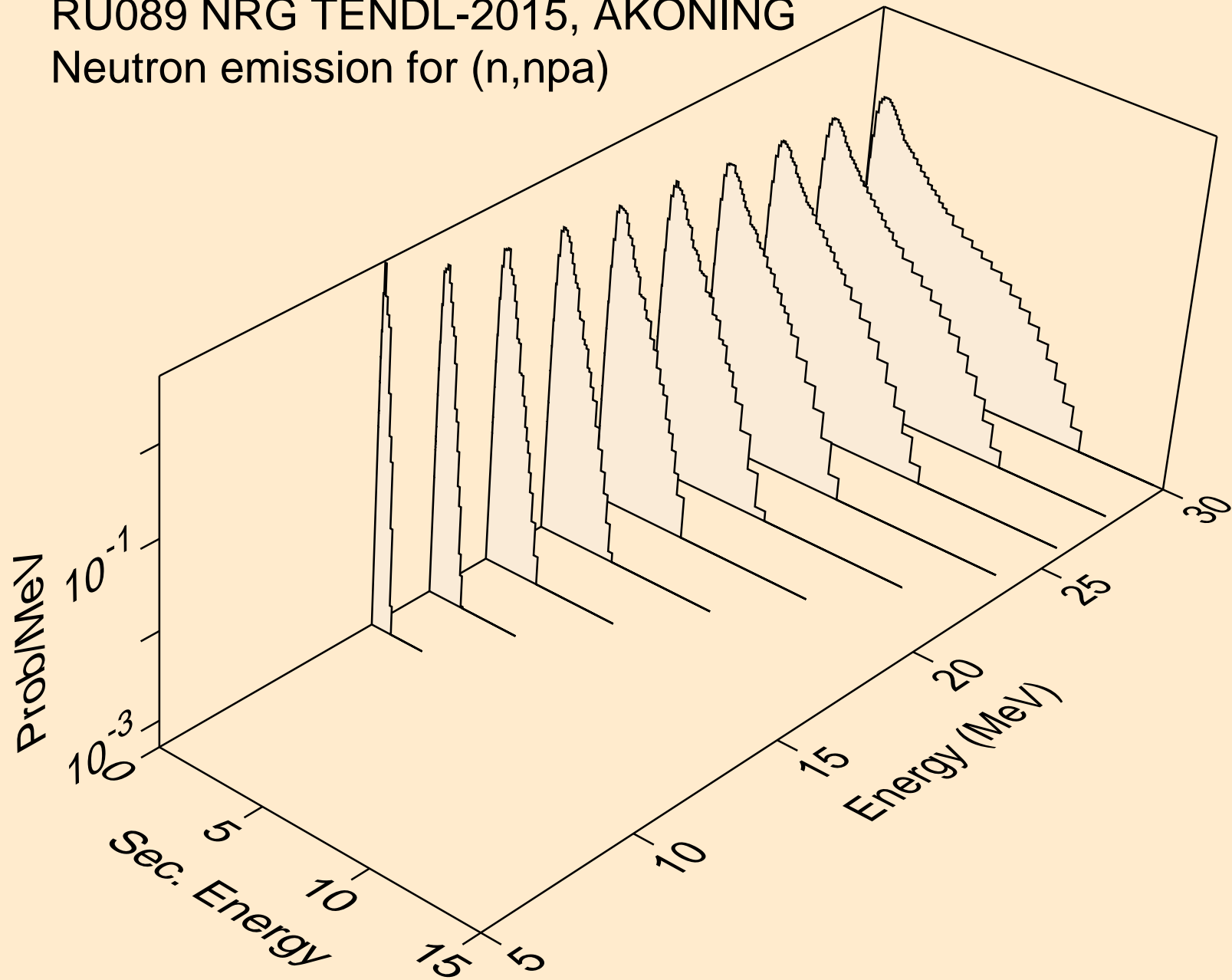
RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

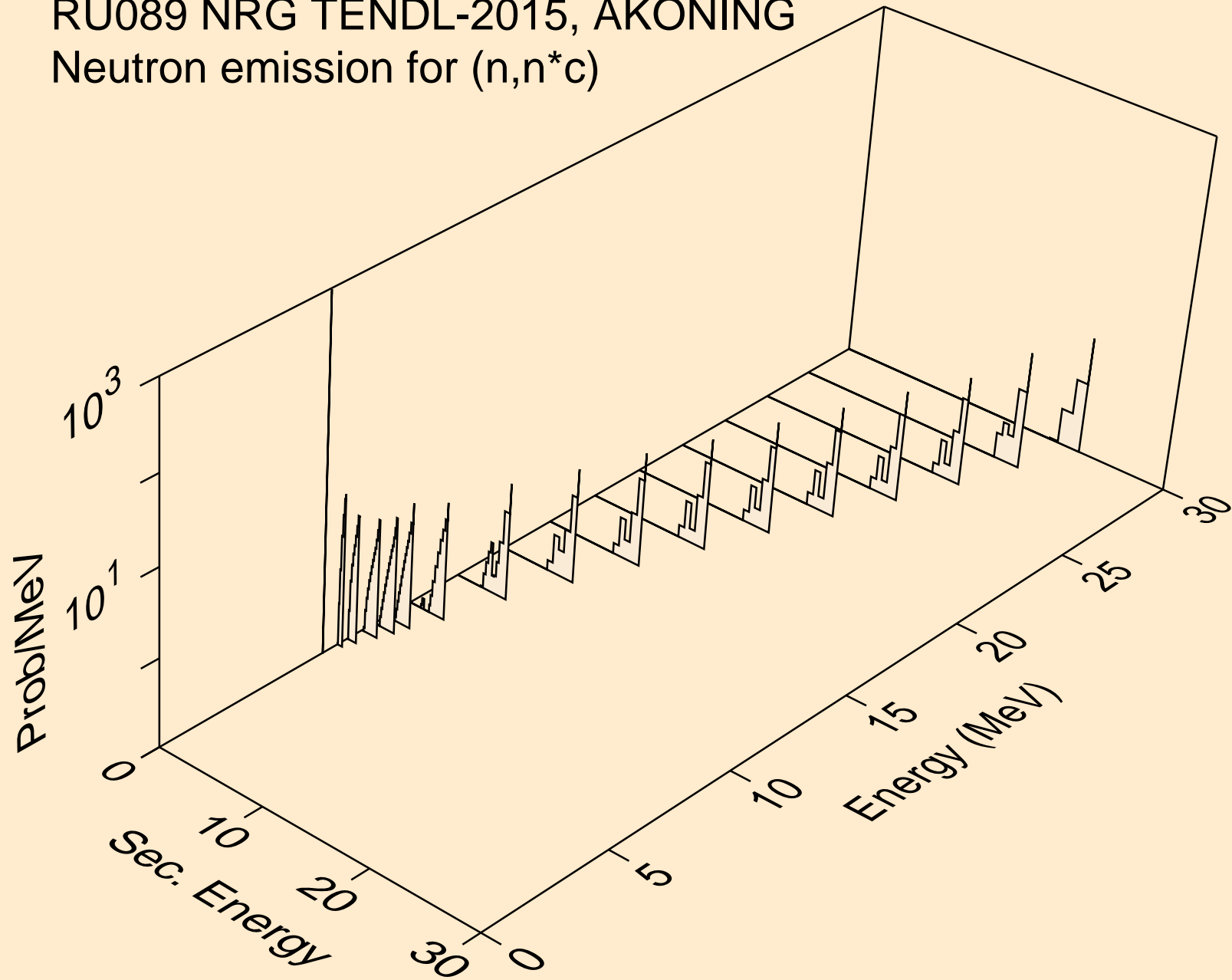


RU089 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

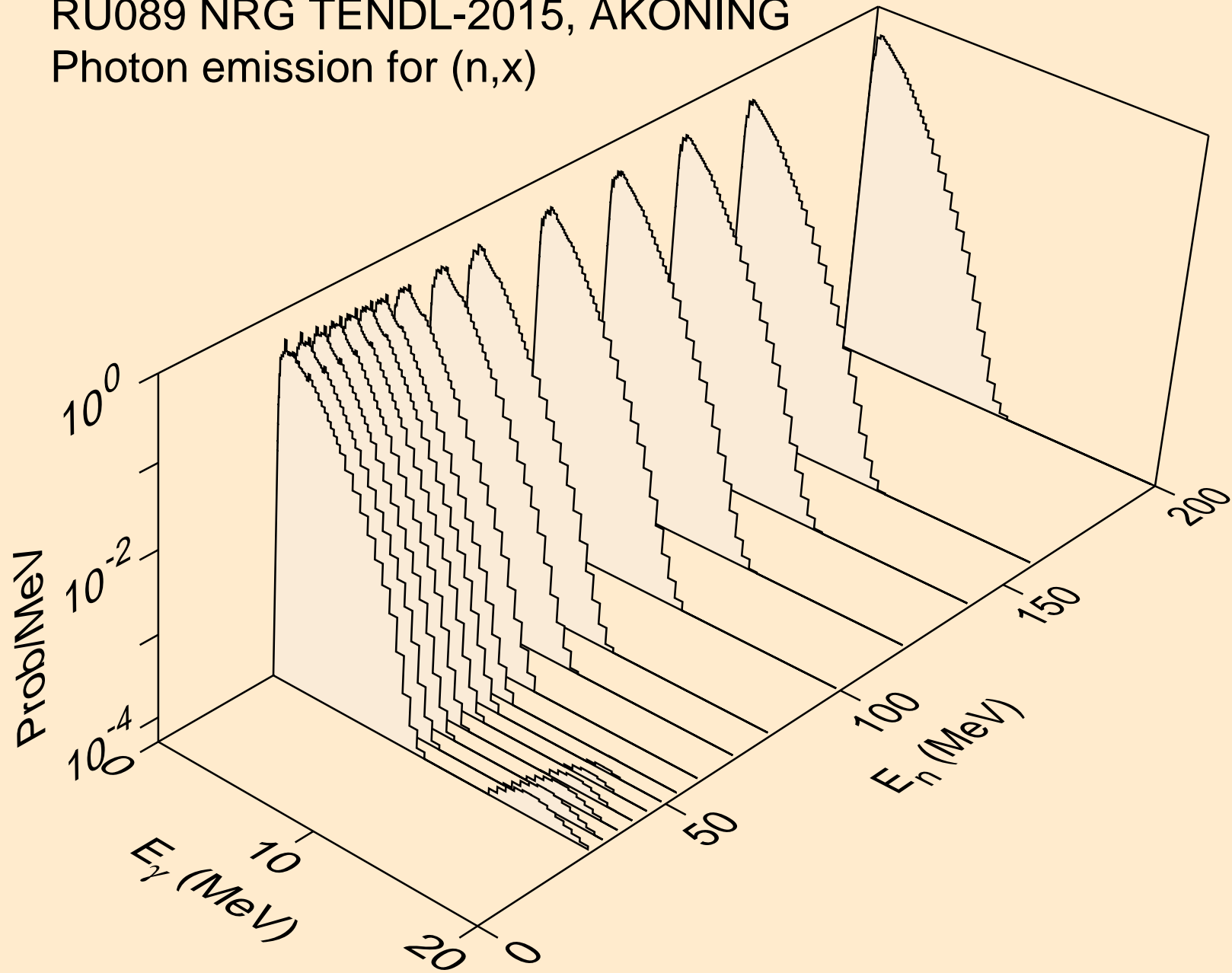




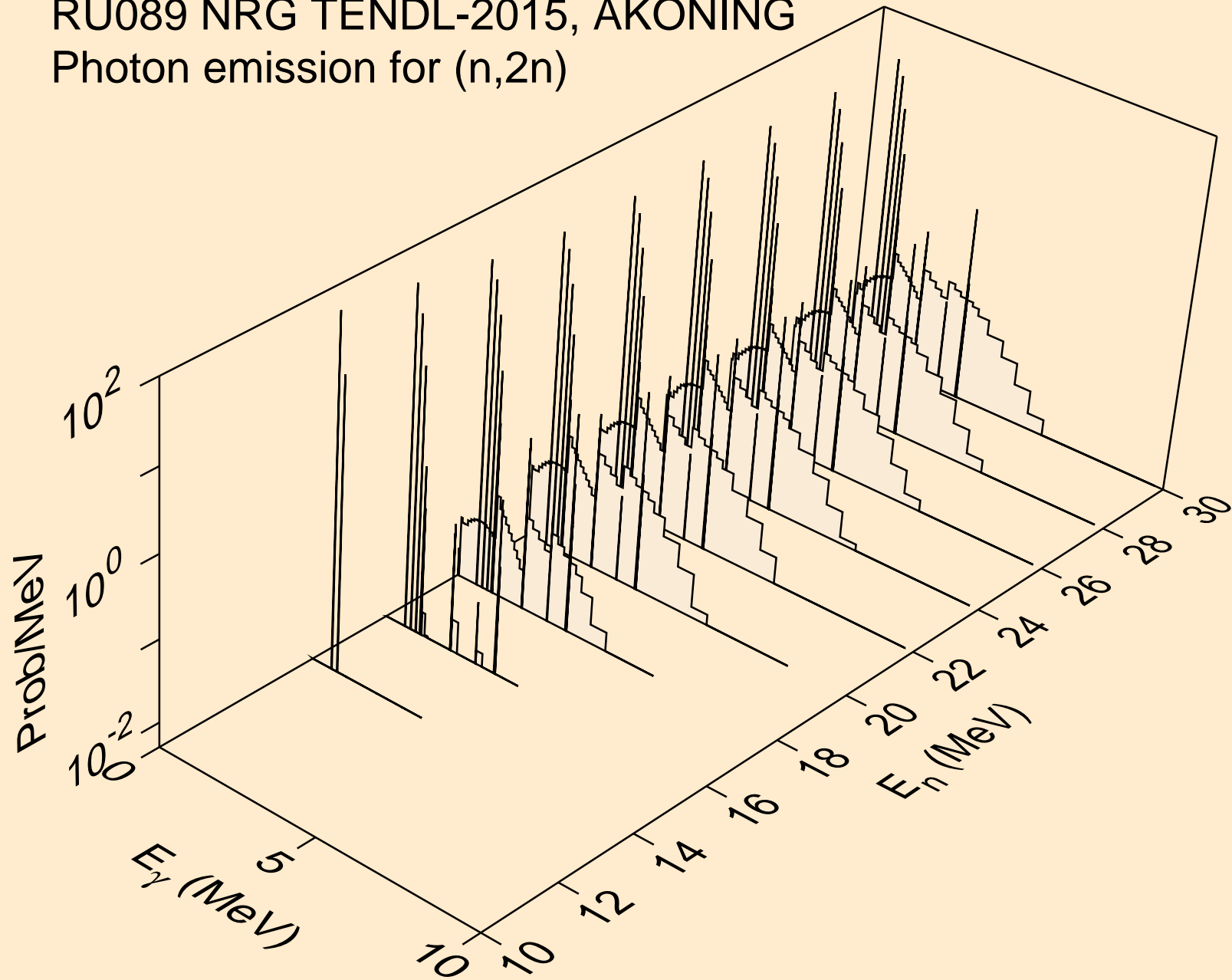
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Neutron emission for (n,n\*c)



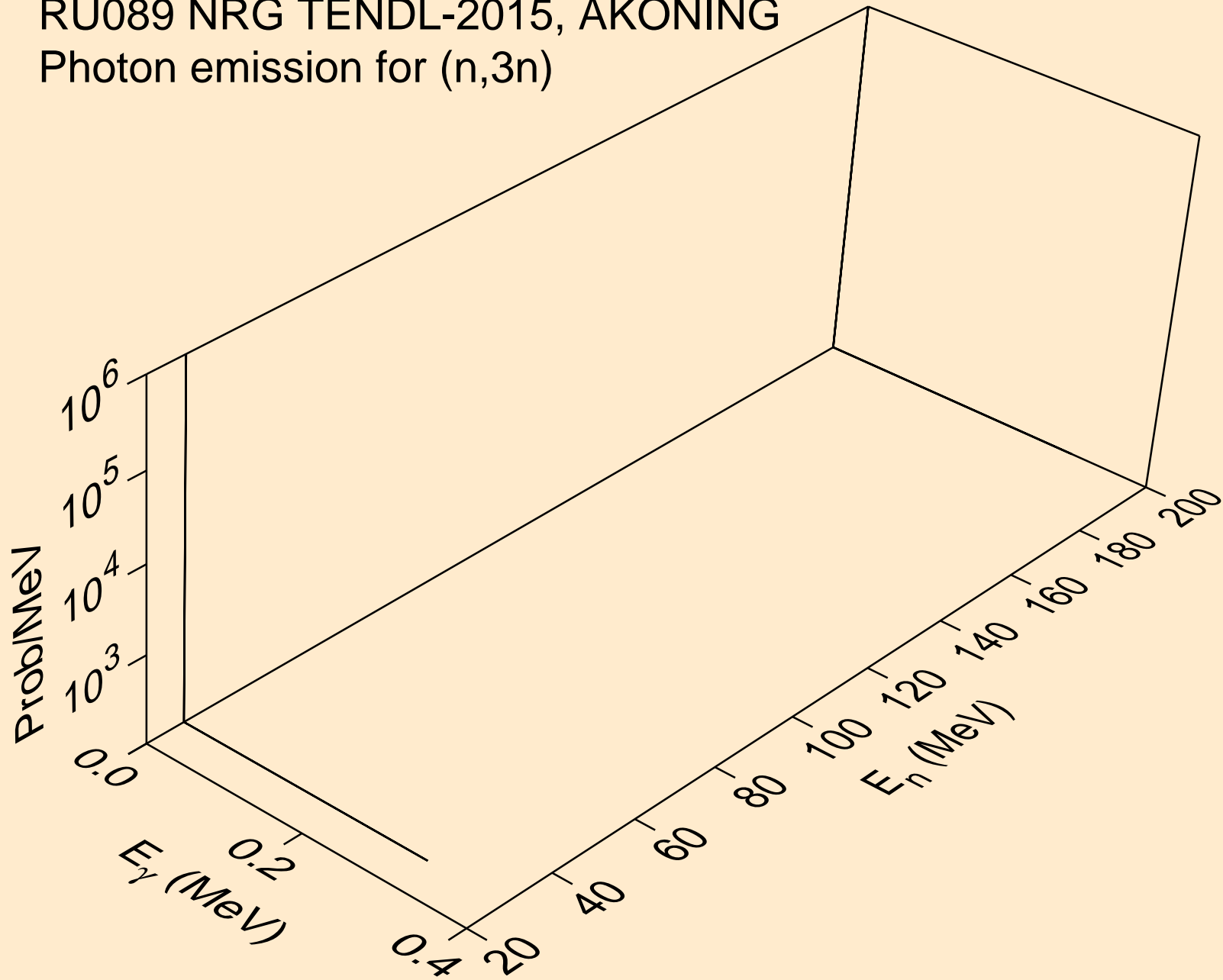
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



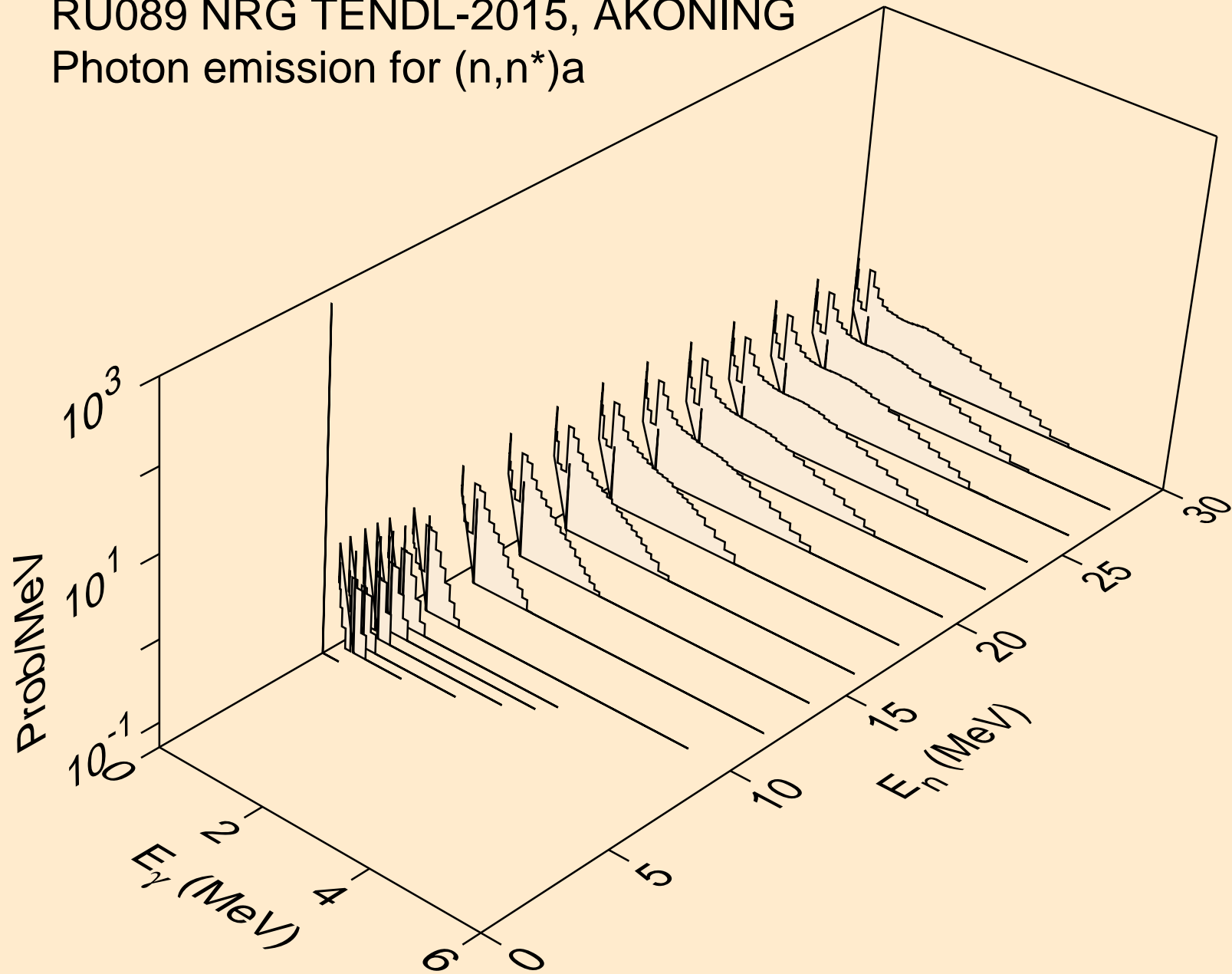
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Photon emission for (n,2n)



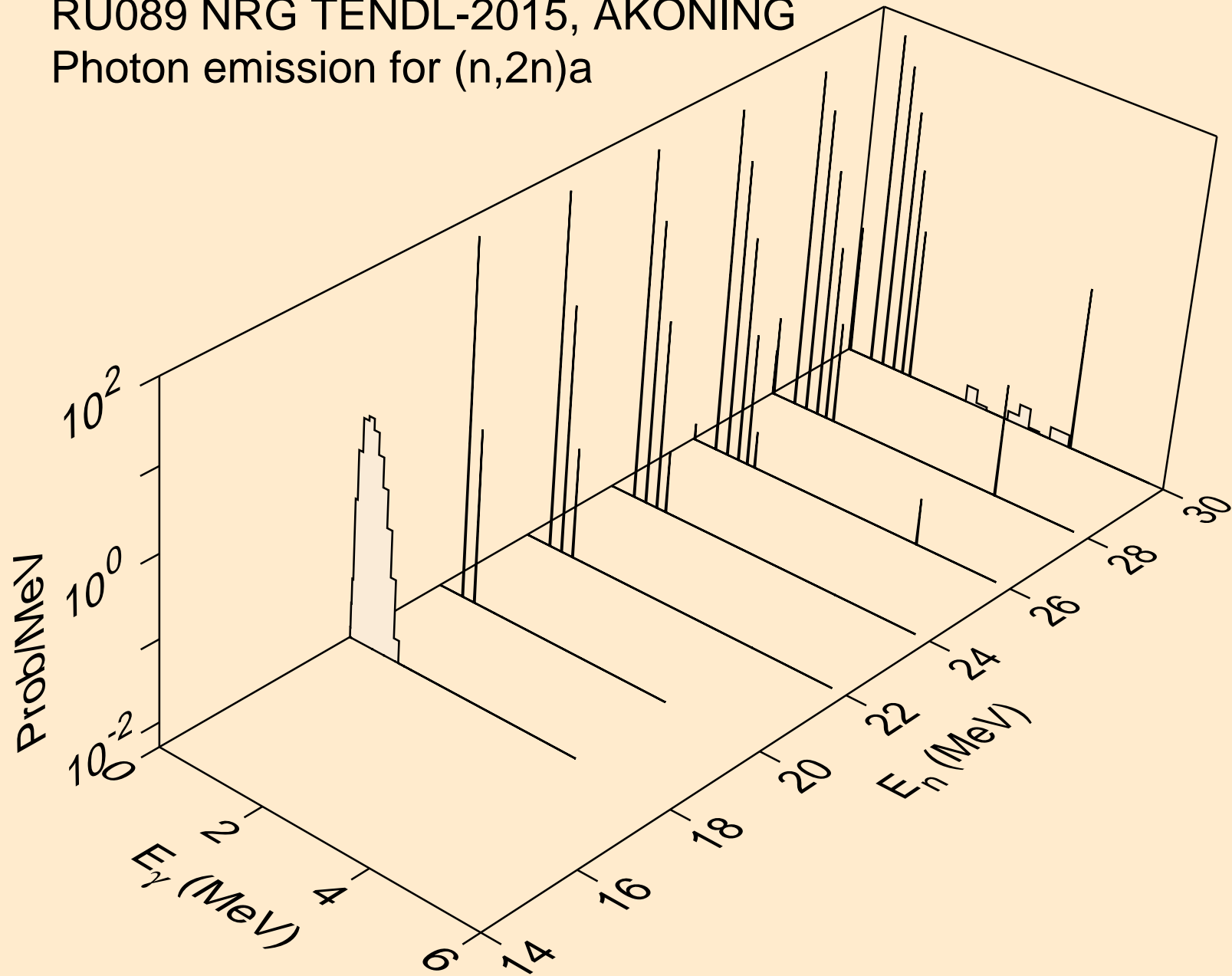
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Photon emission for (n,3n)



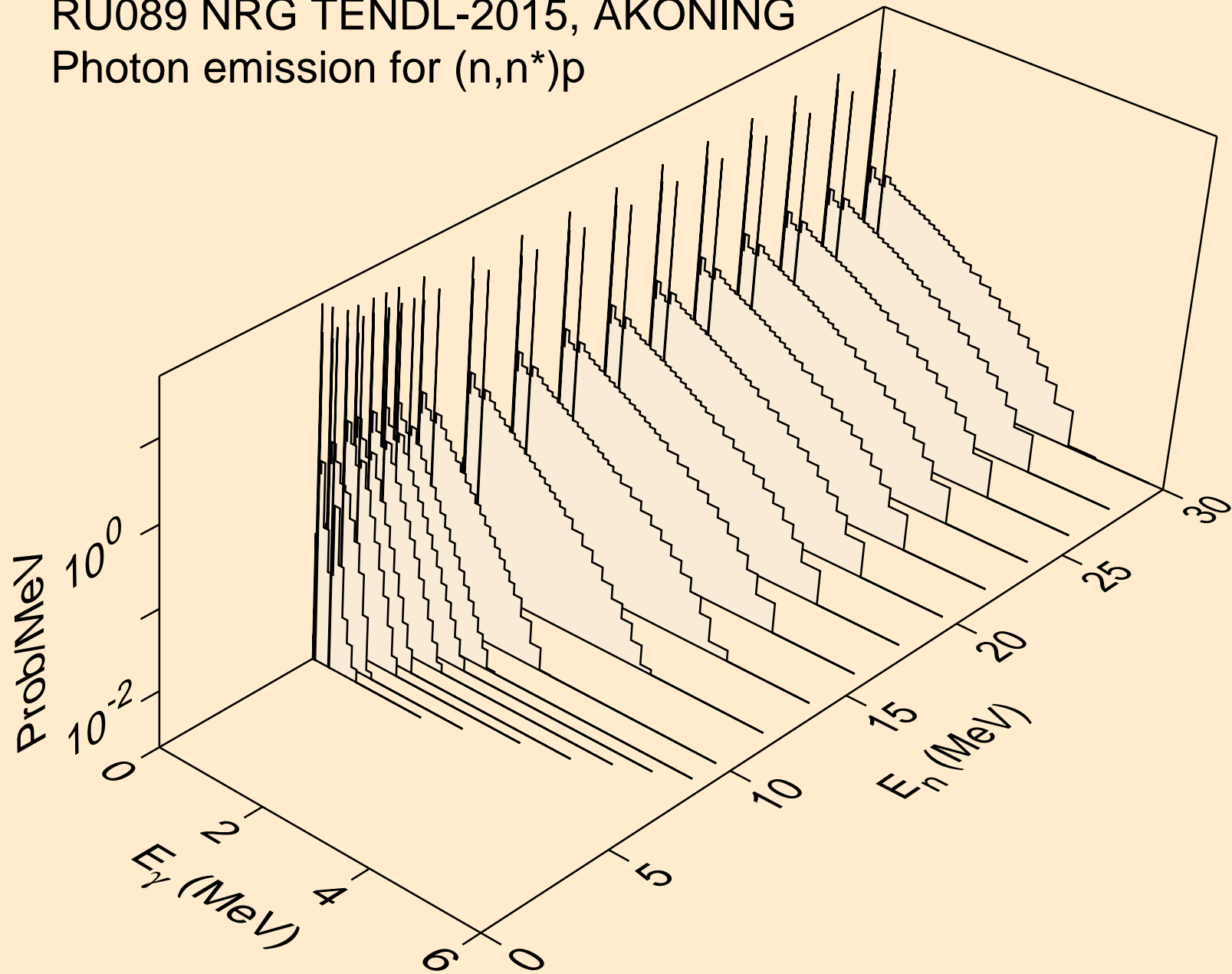
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Photon emission for (n,n\*)a



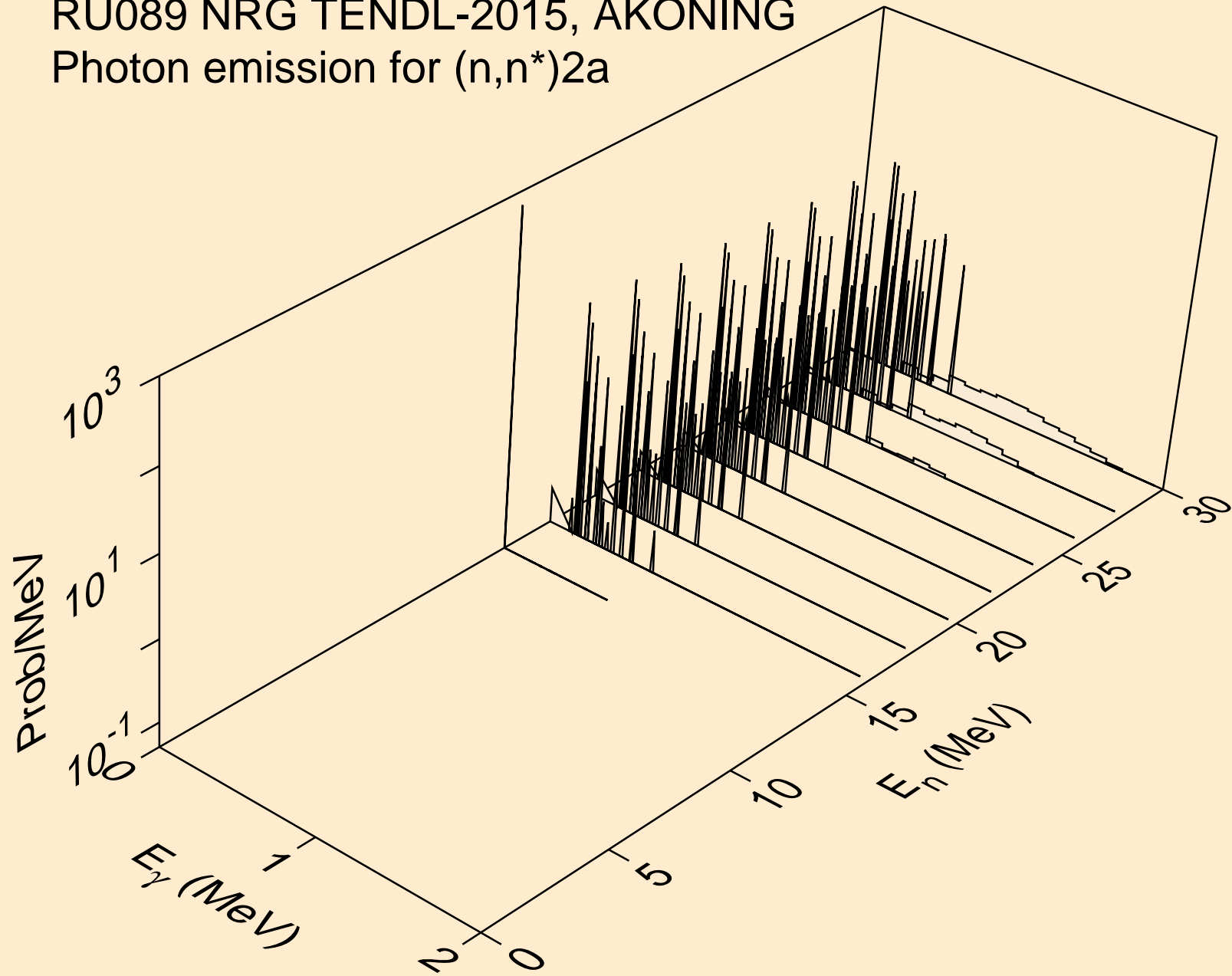
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

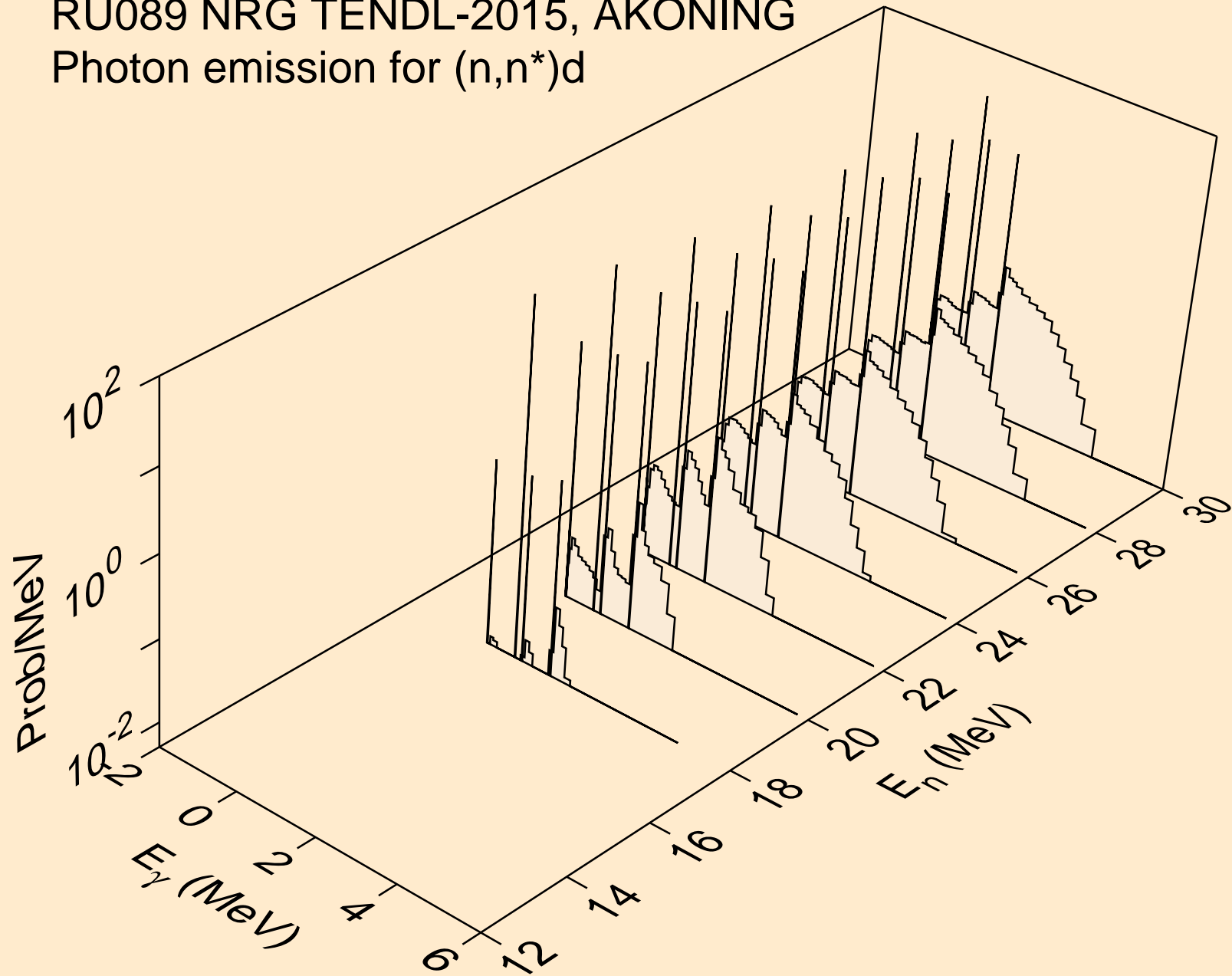


RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

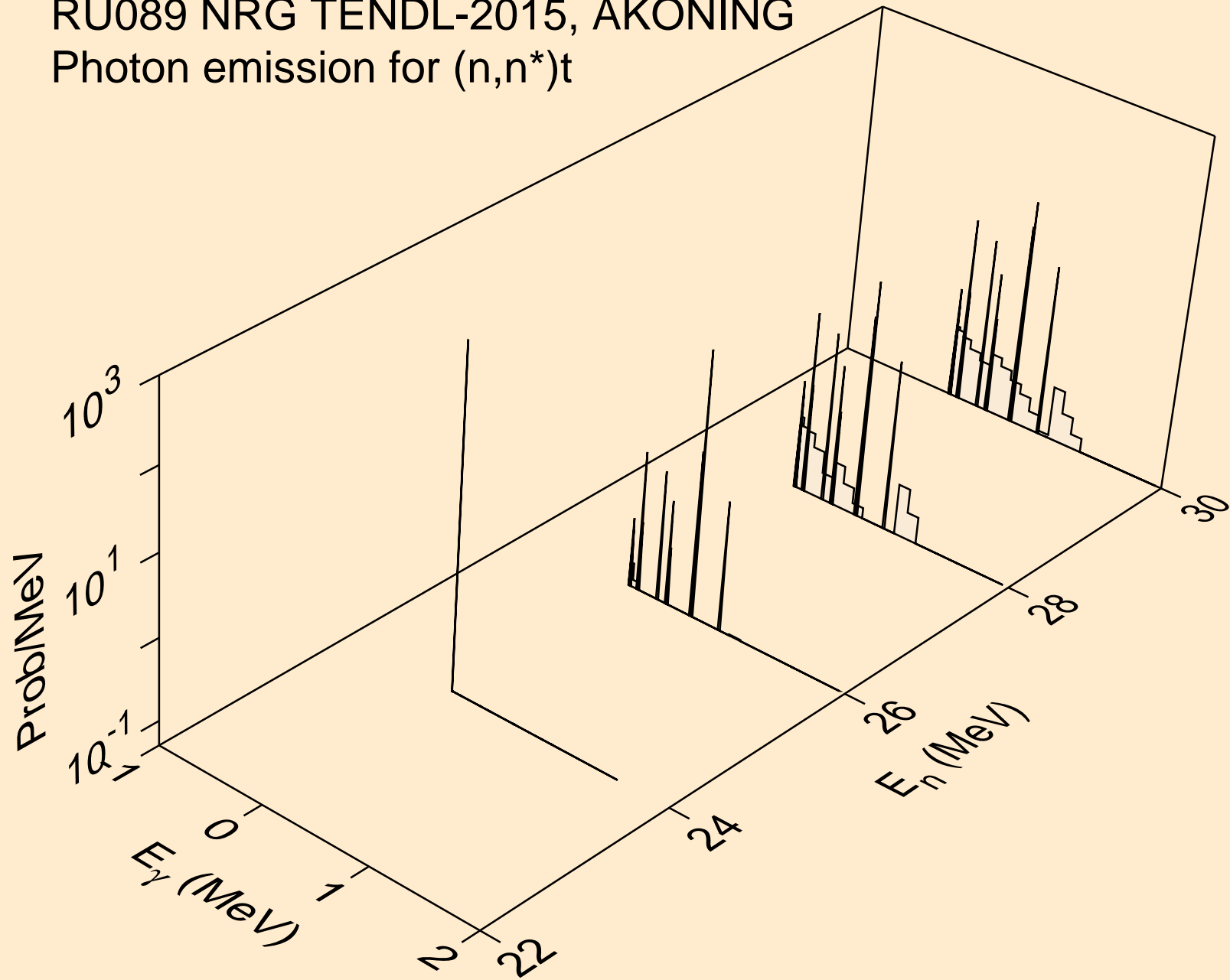




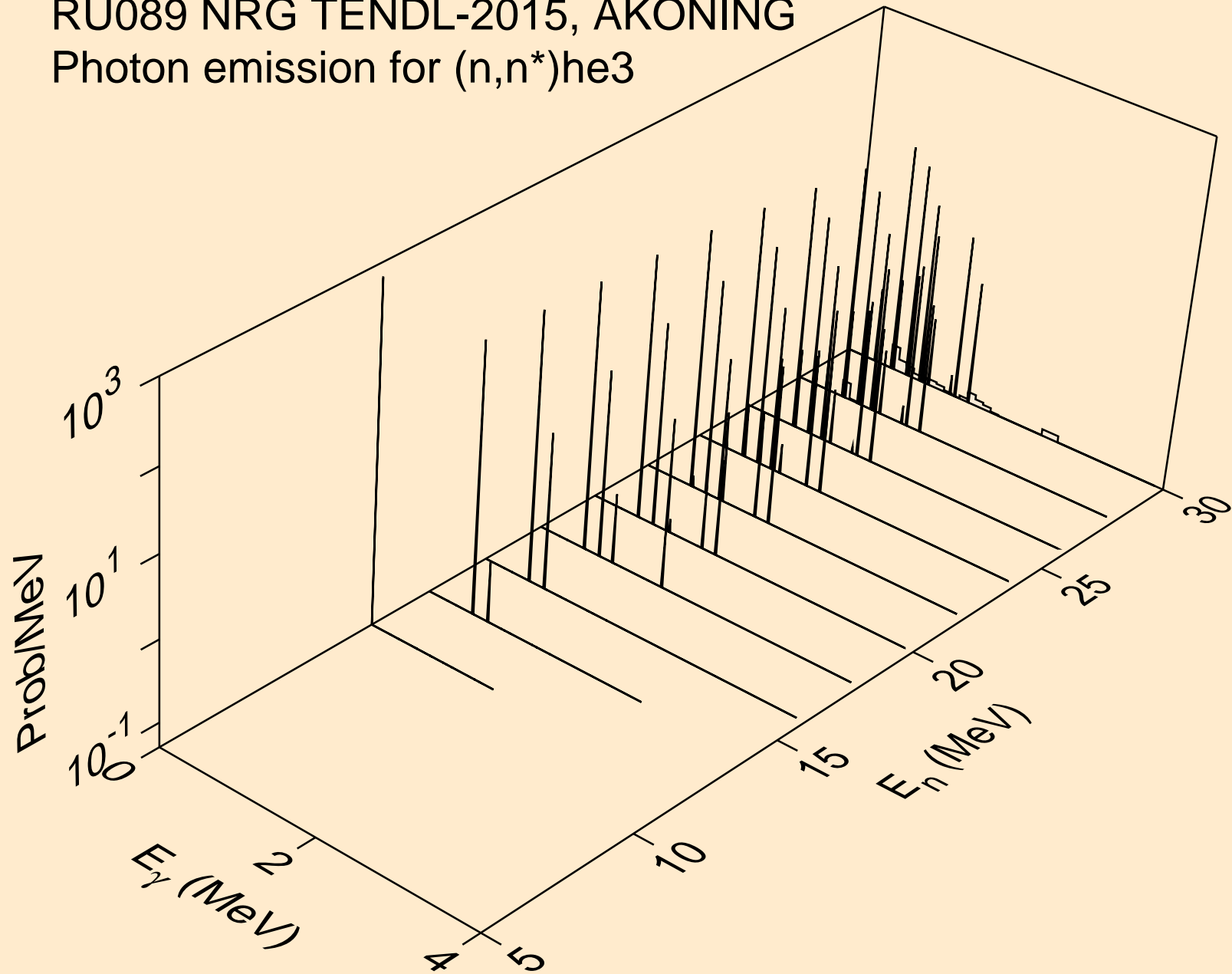
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Photon emission for (n,n\*)d



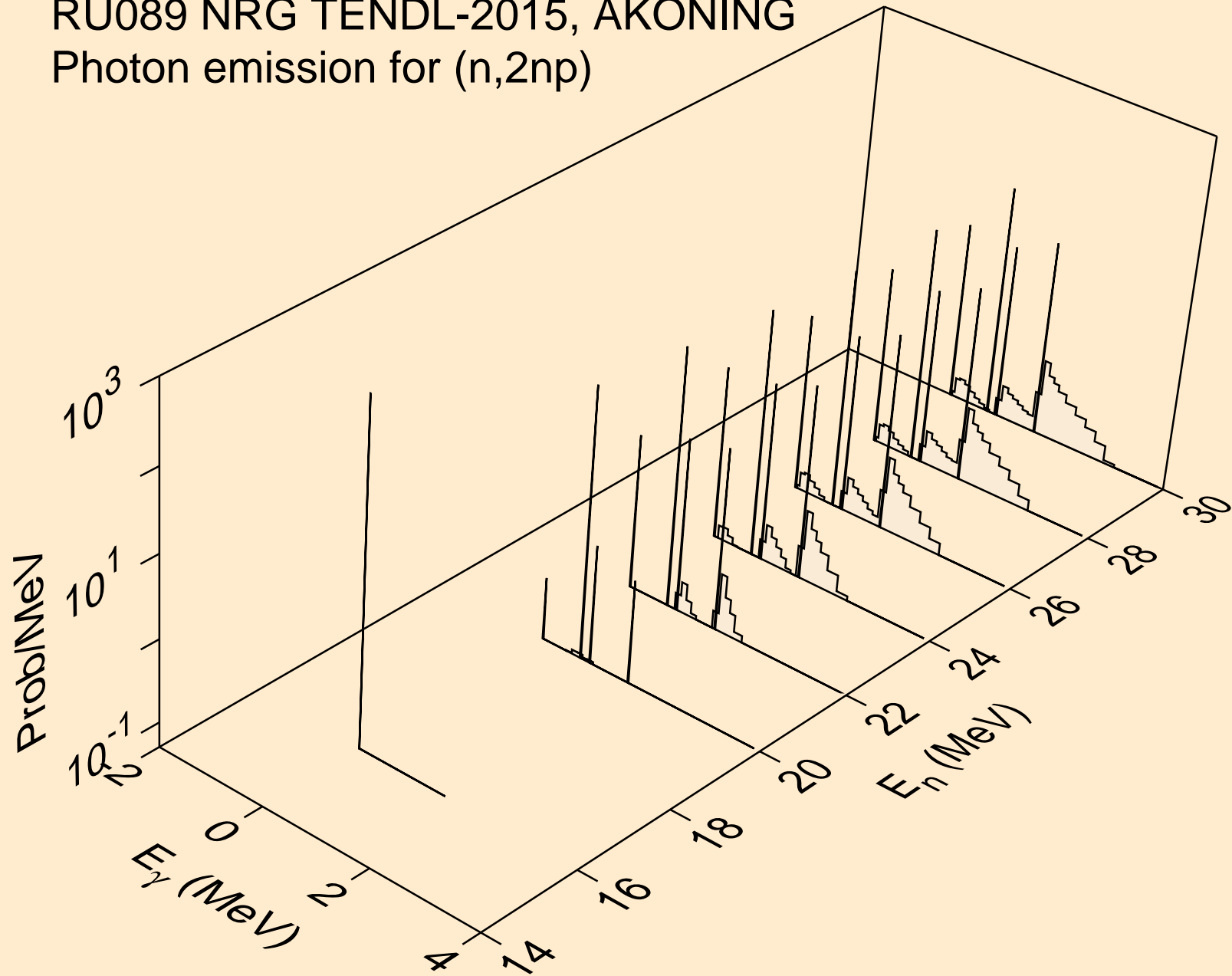
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Photon emission for (n,n\*)t



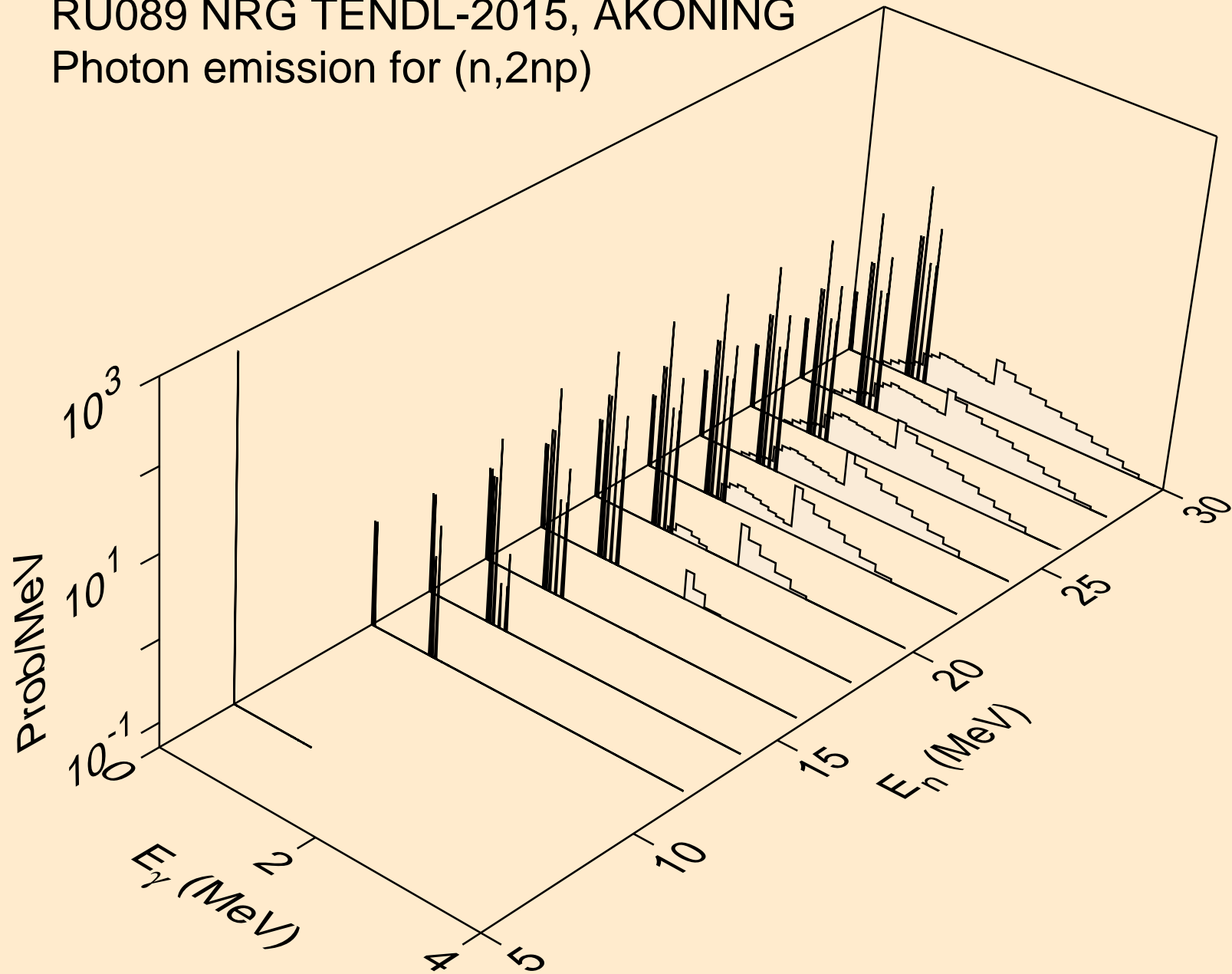
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Photon emission for (n,n\*)he3



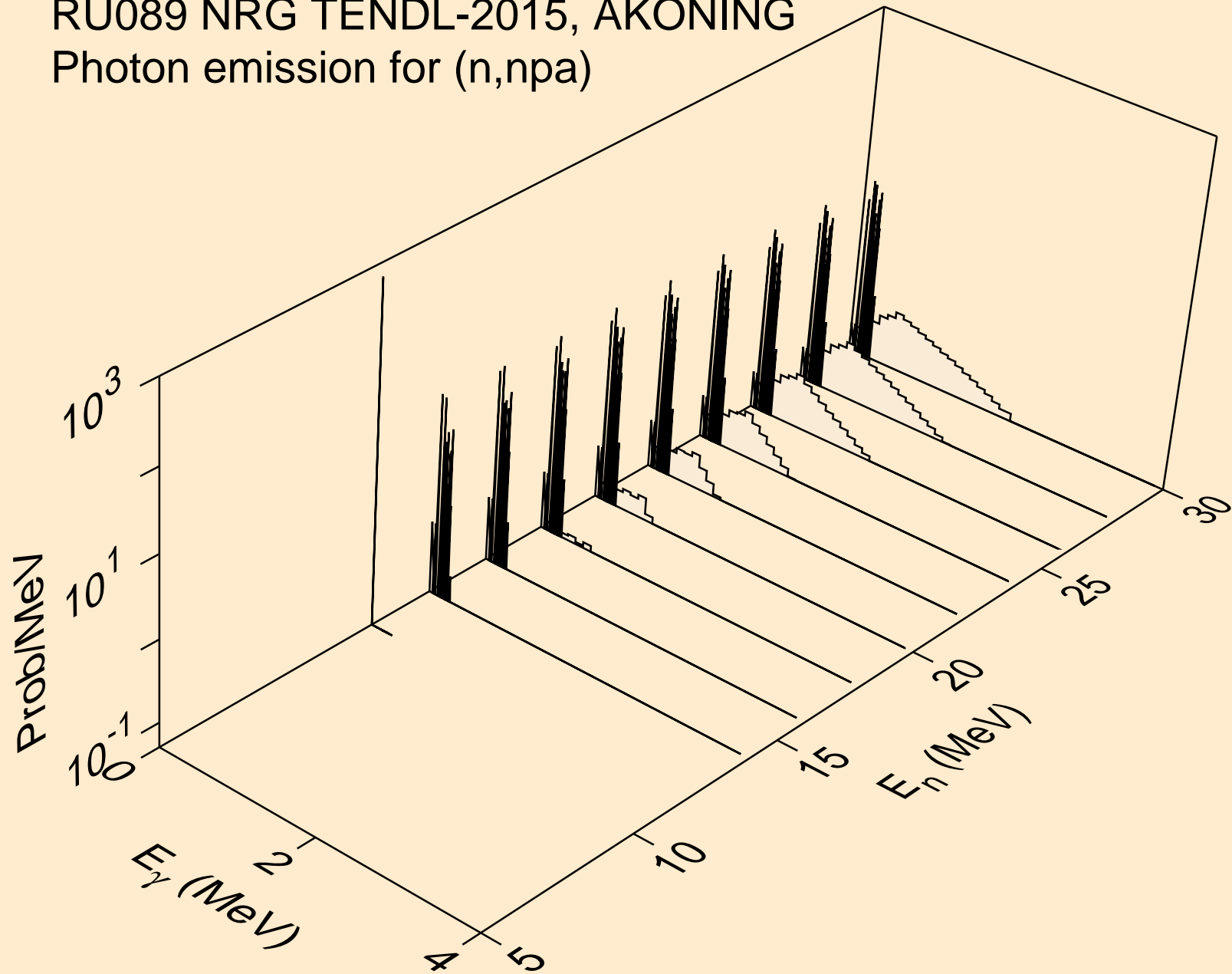
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Photon emission for (n,2np)



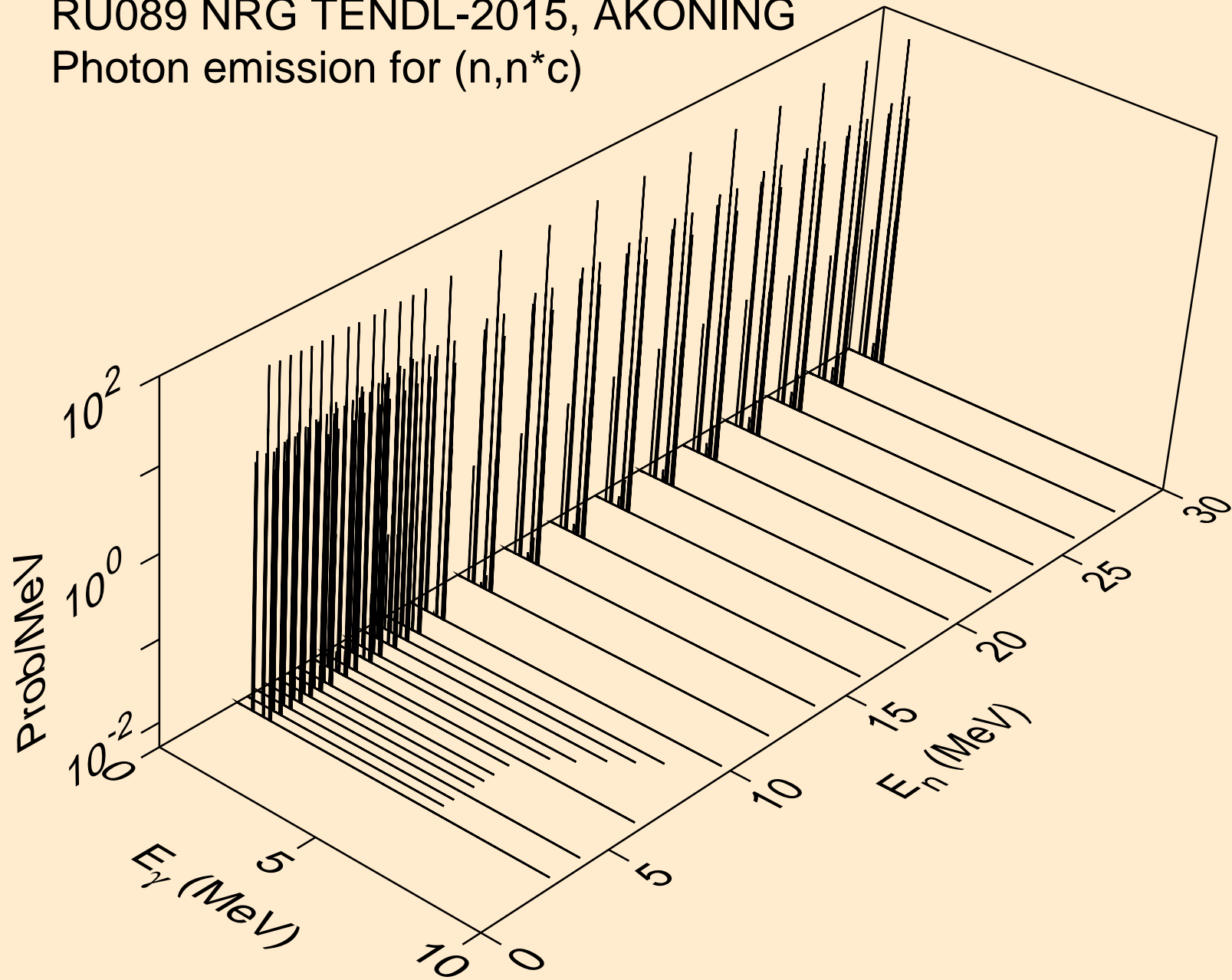
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Photon emission for (n,2np)



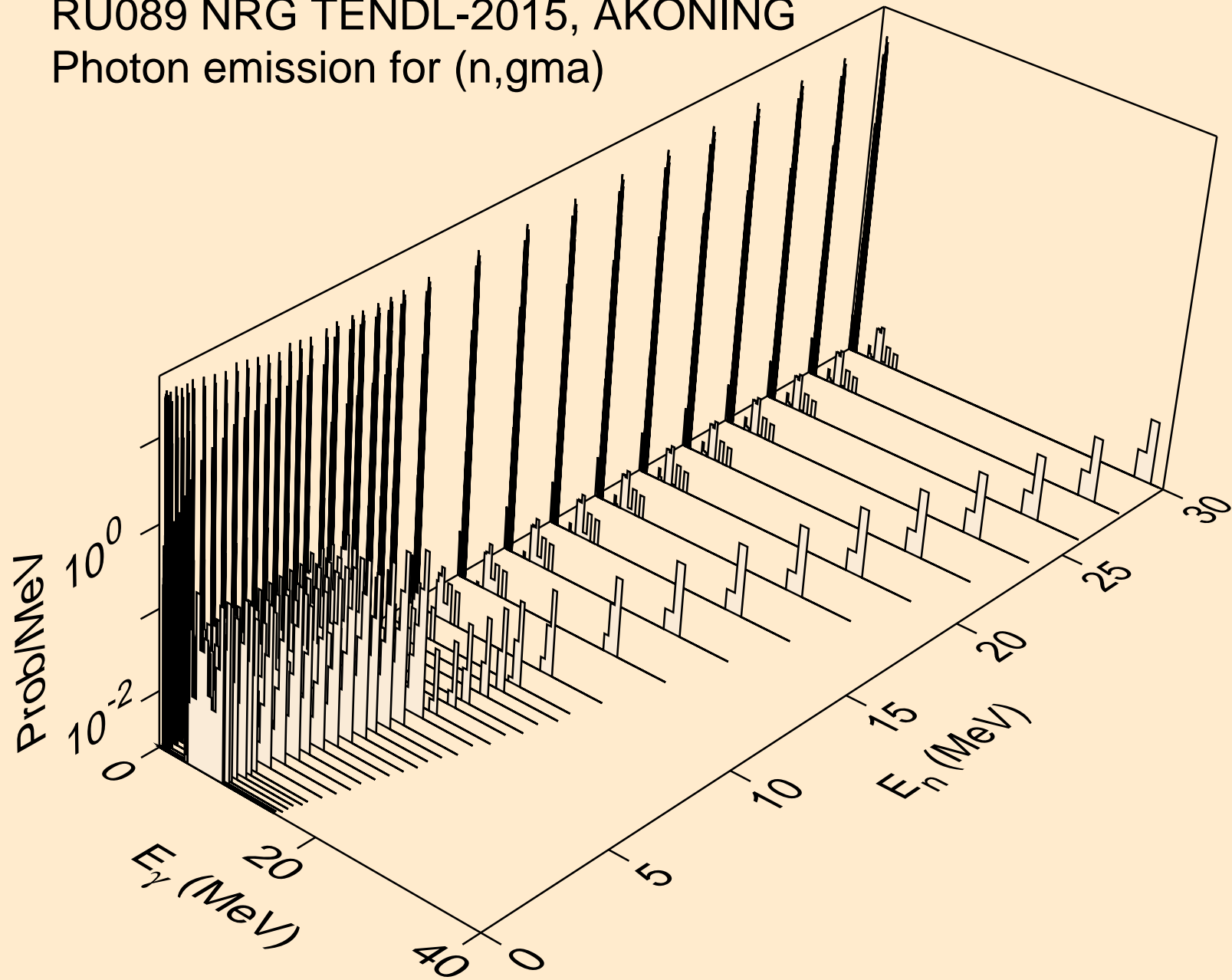
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)

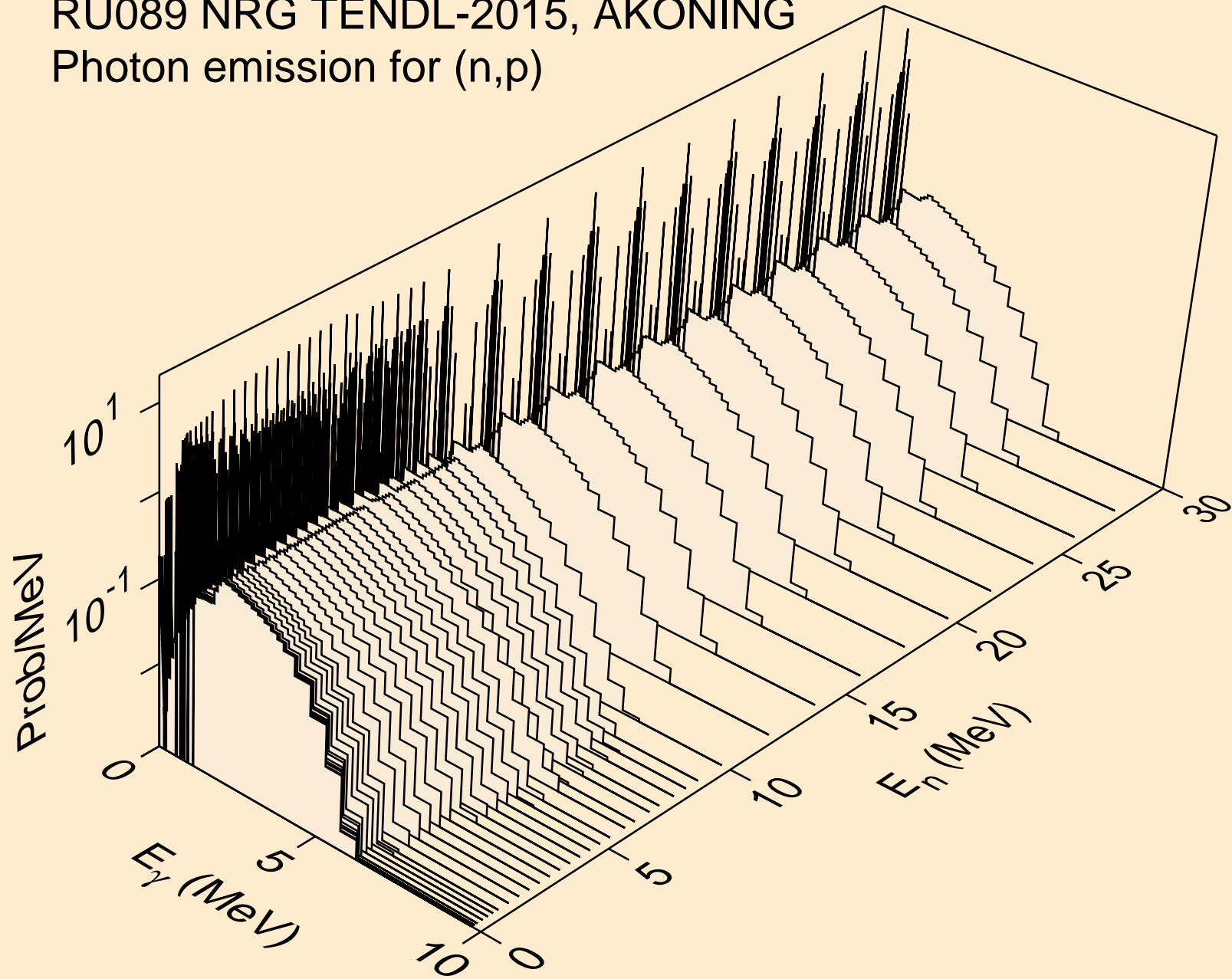


RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

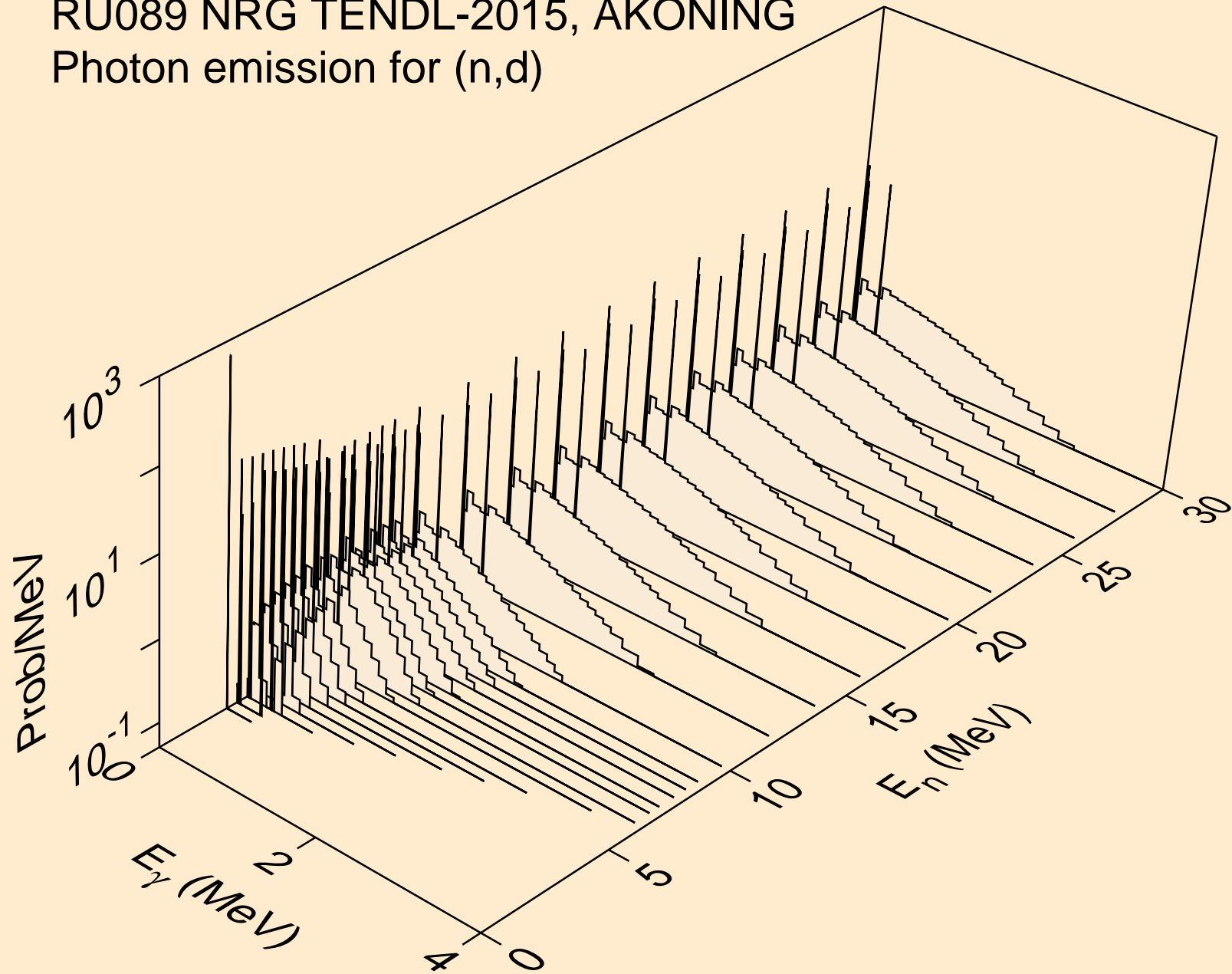




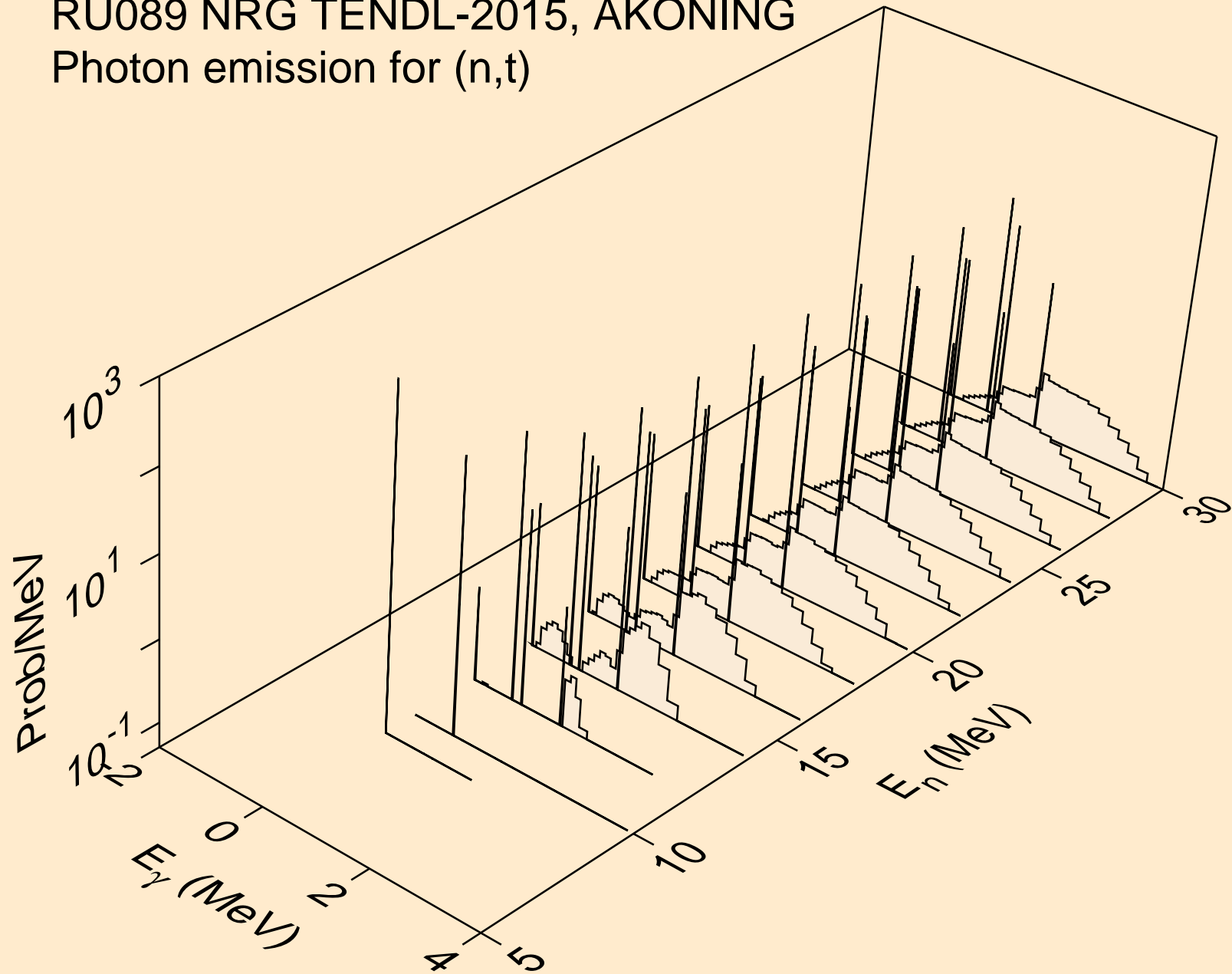
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Photon emission for (n,p)



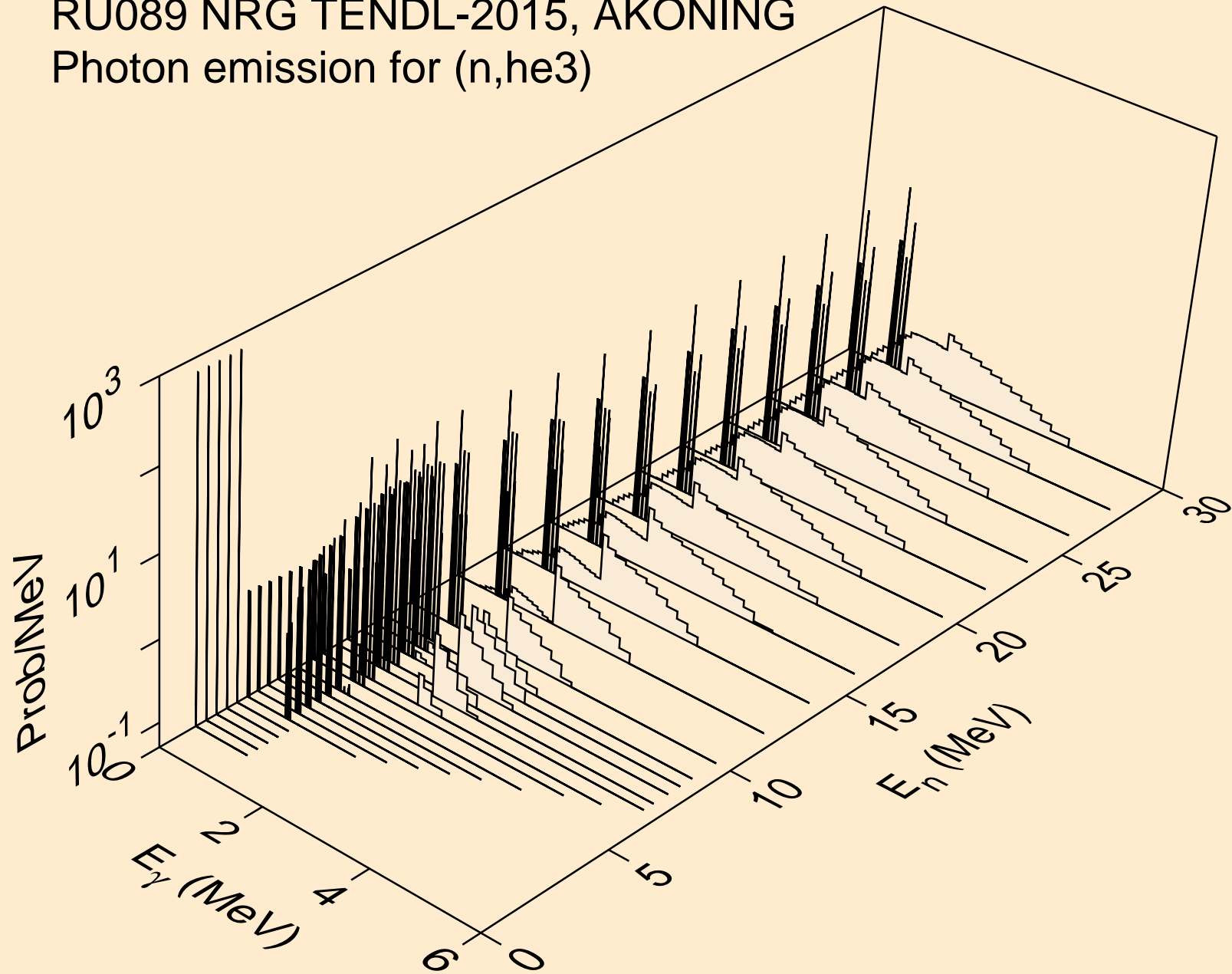
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Photon emission for (n,d)



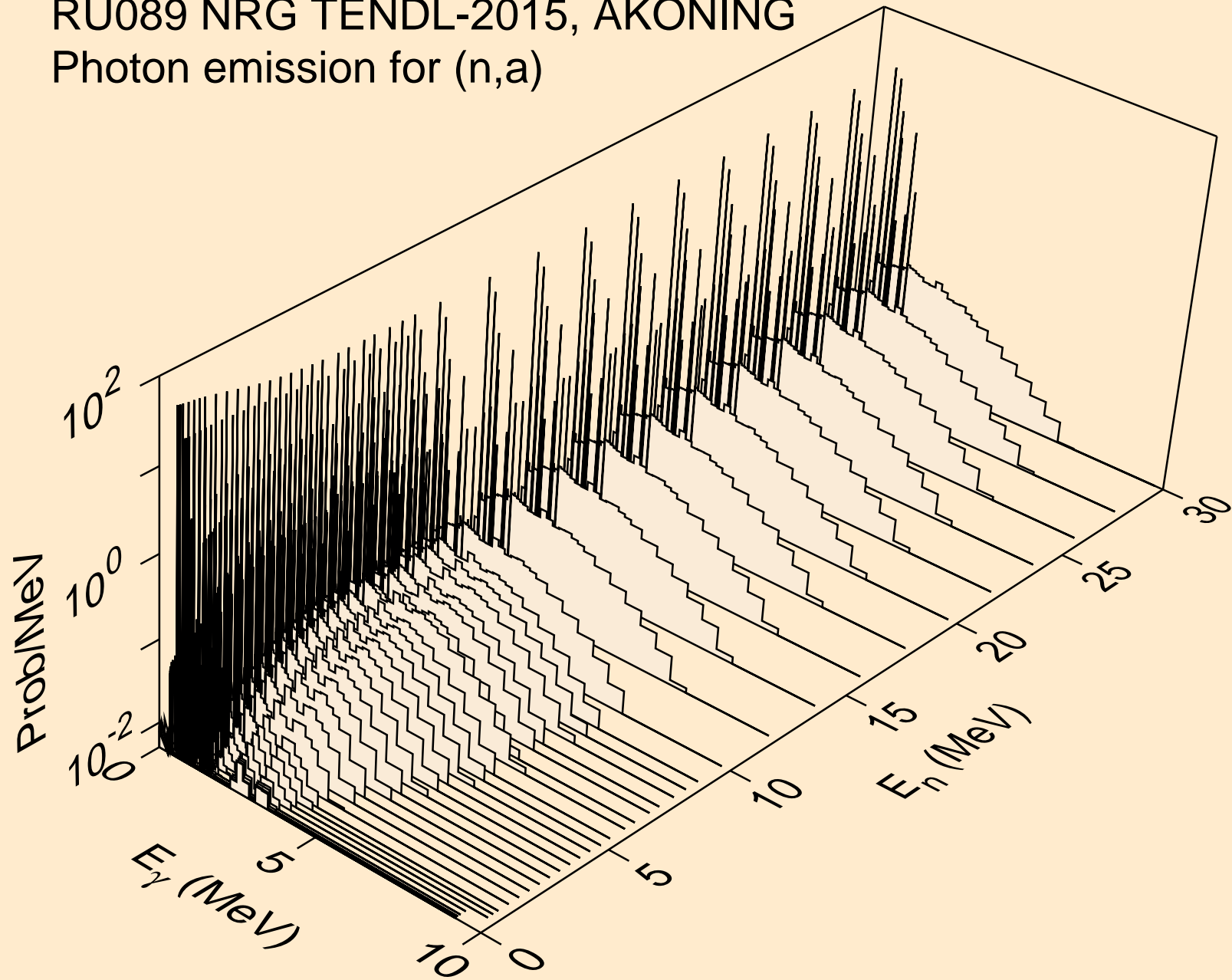
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Photon emission for (n,t)



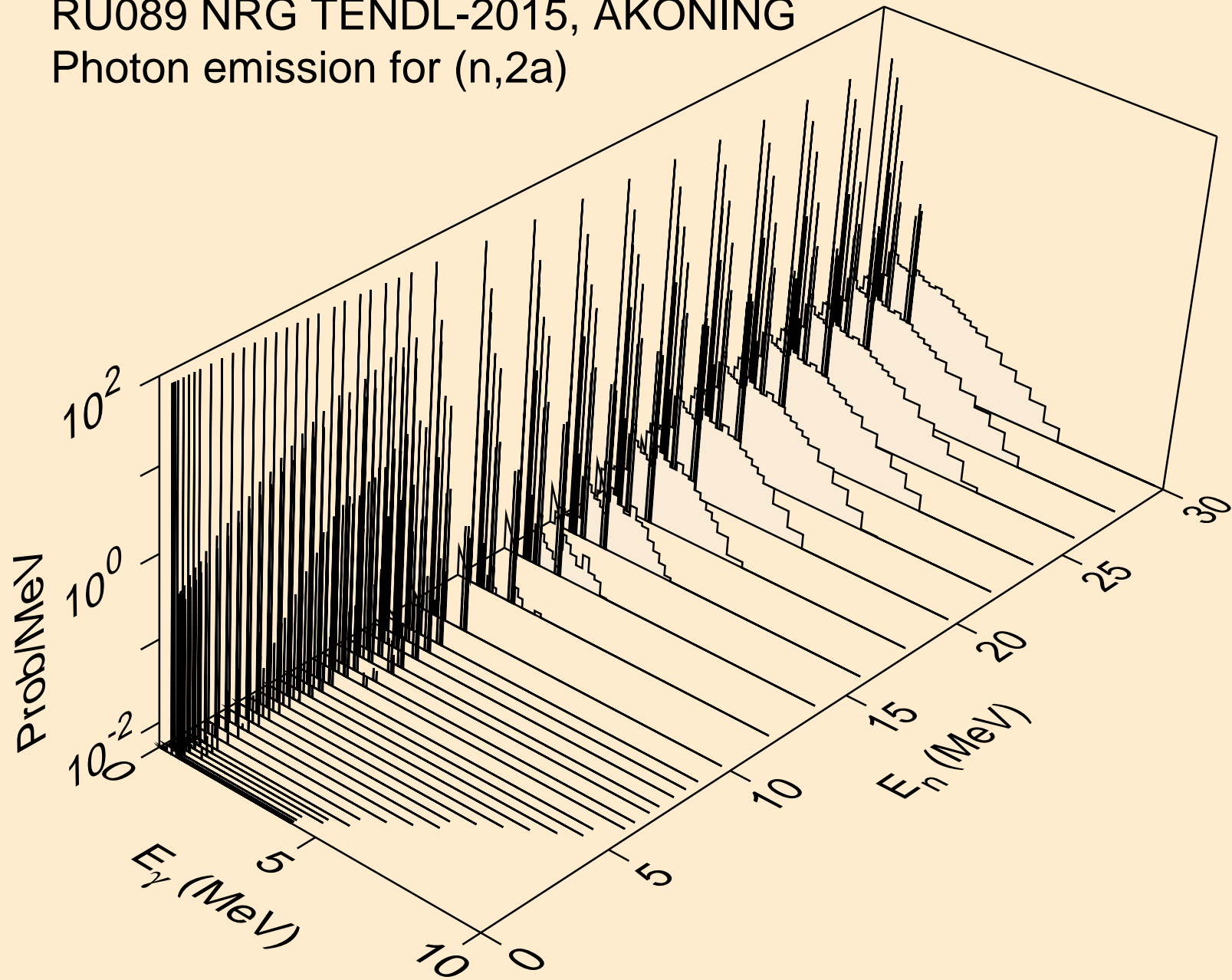
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Photon emission for (n,he3)



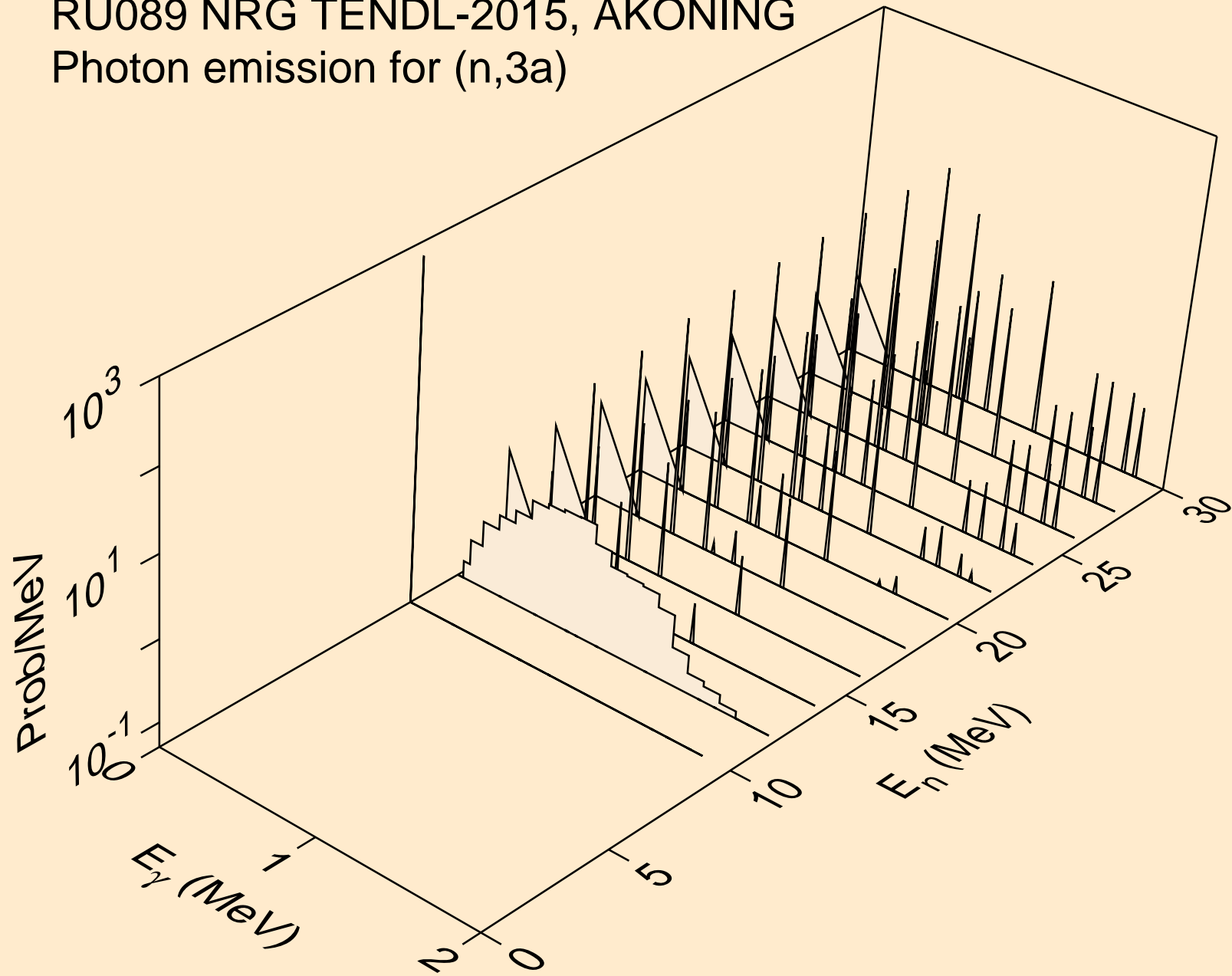
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



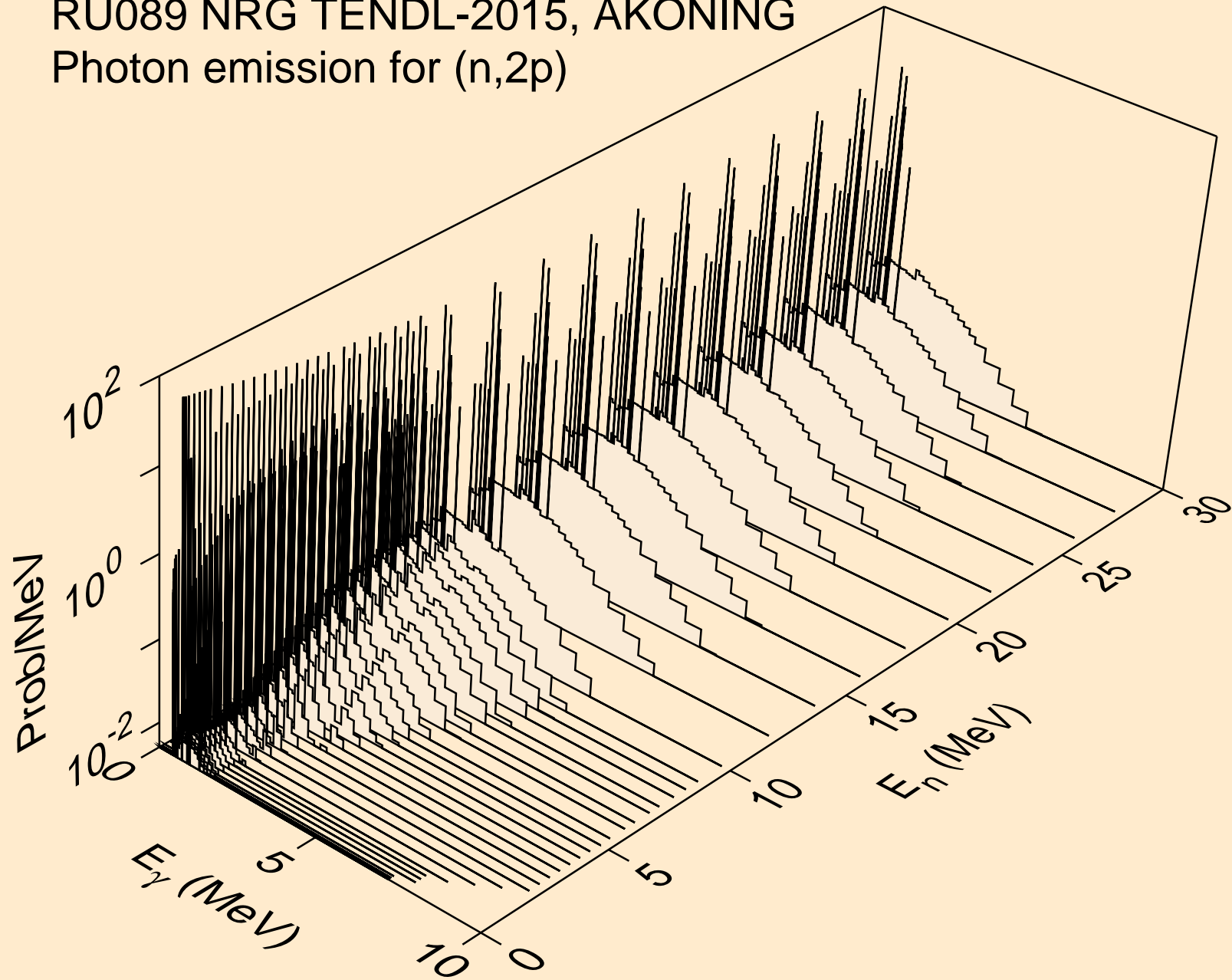
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)

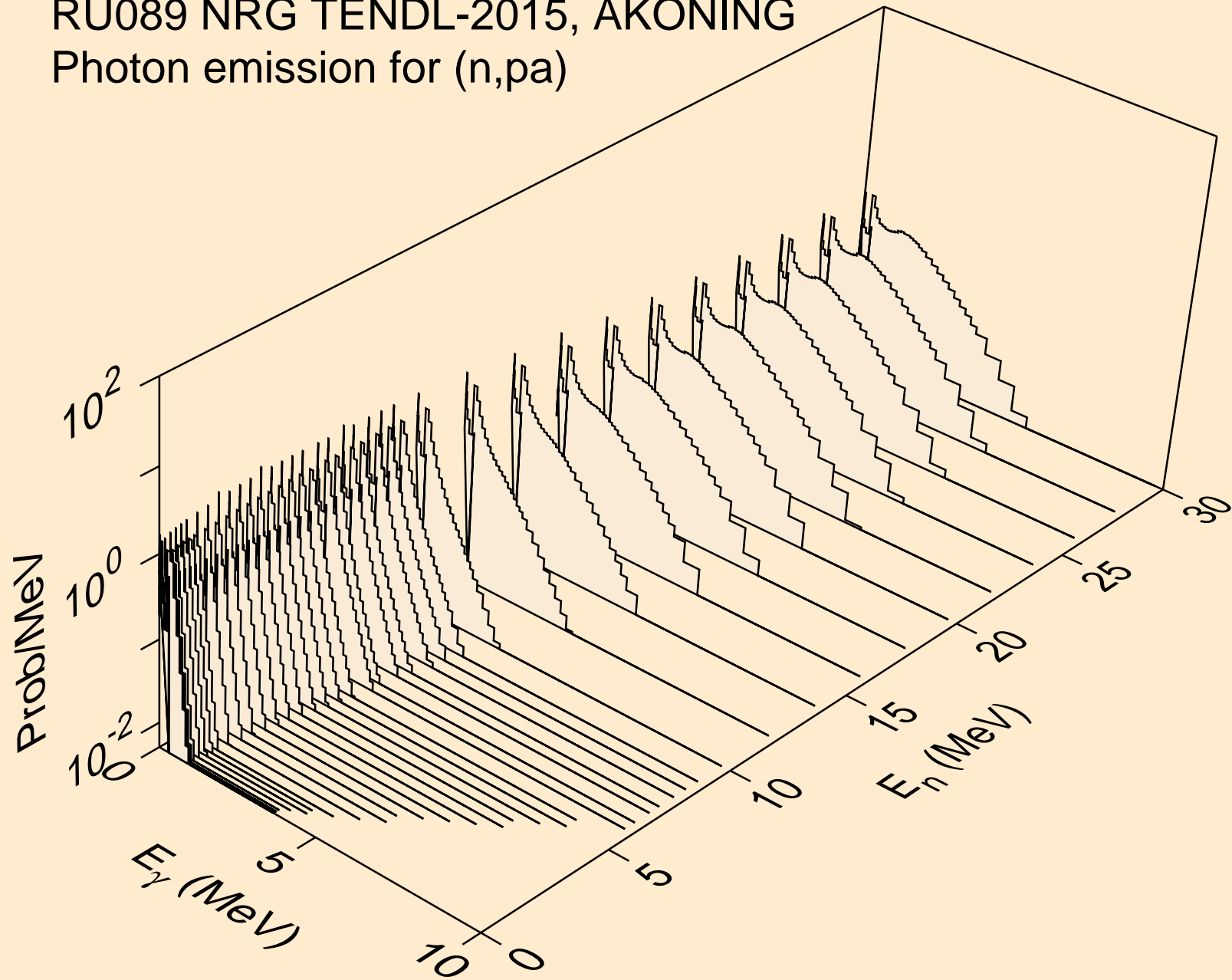


RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)

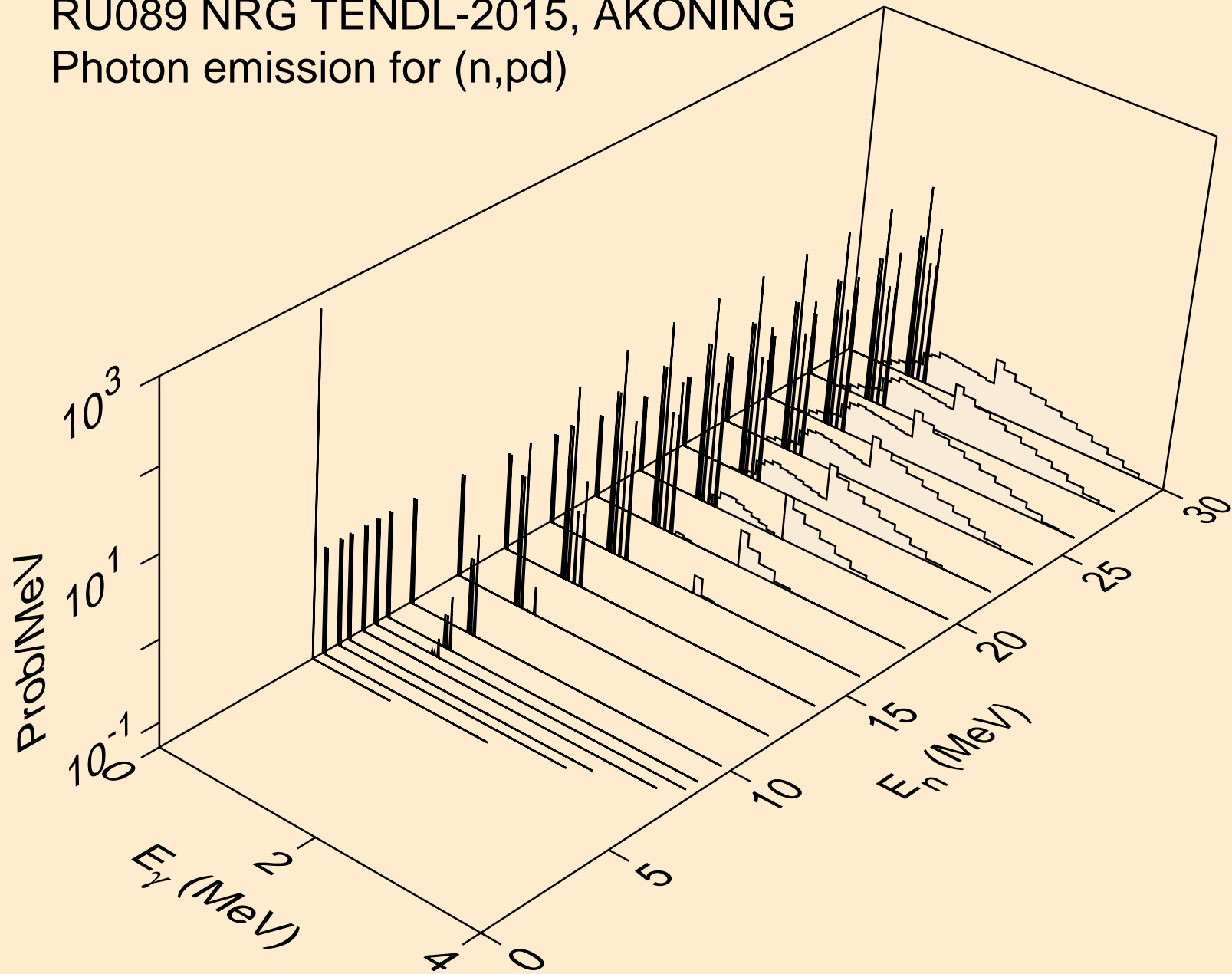




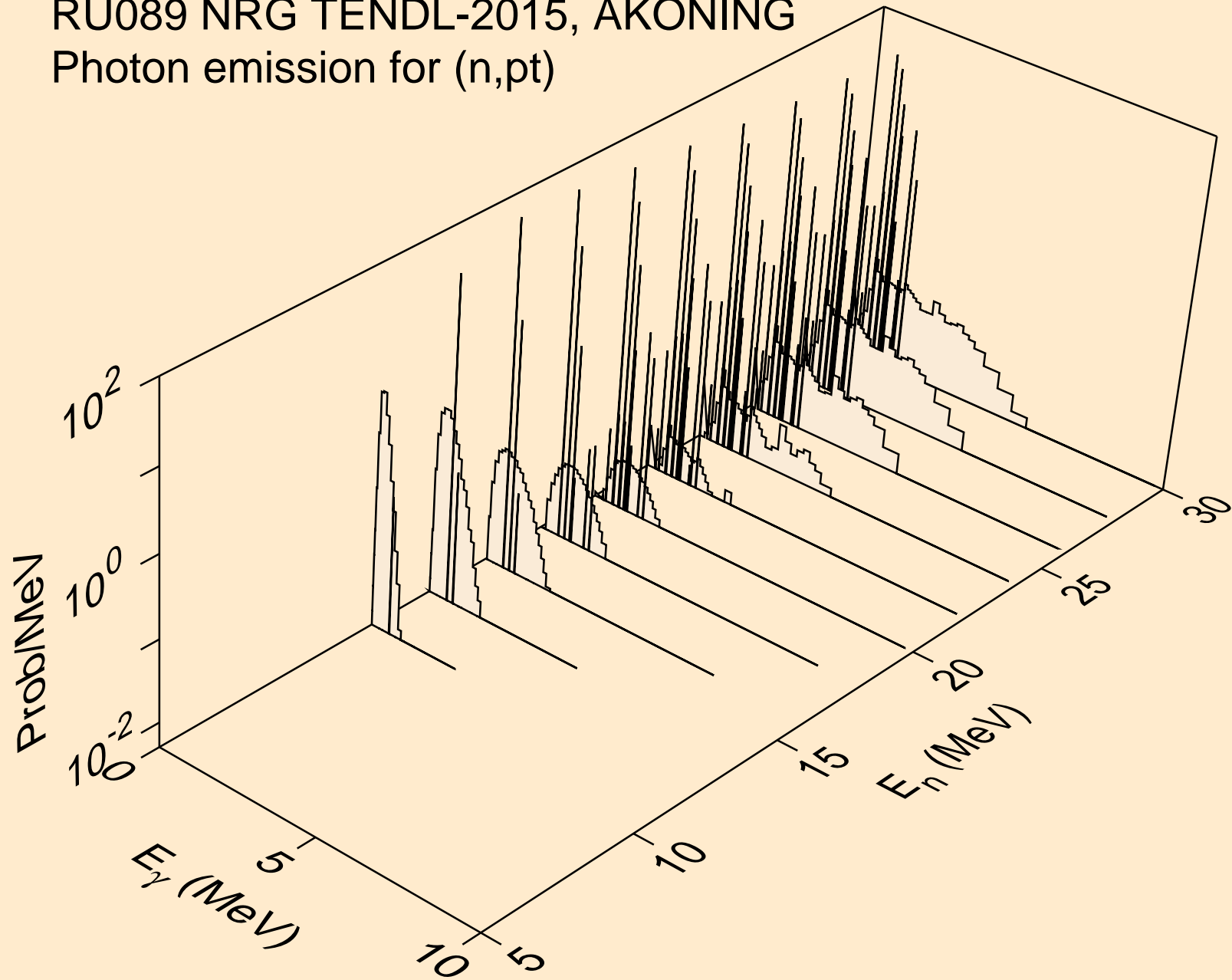
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



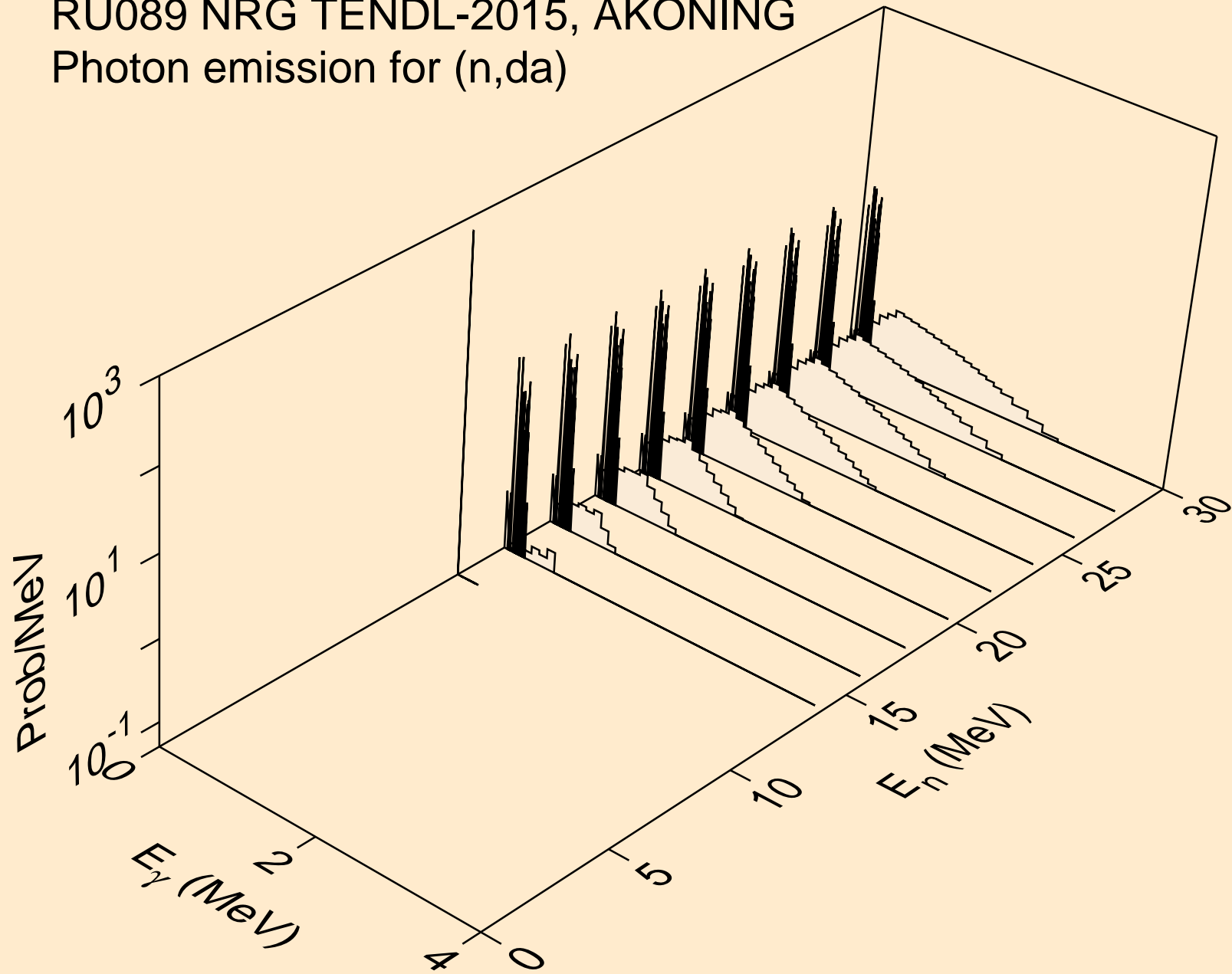
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Photon emission for (n,pd)



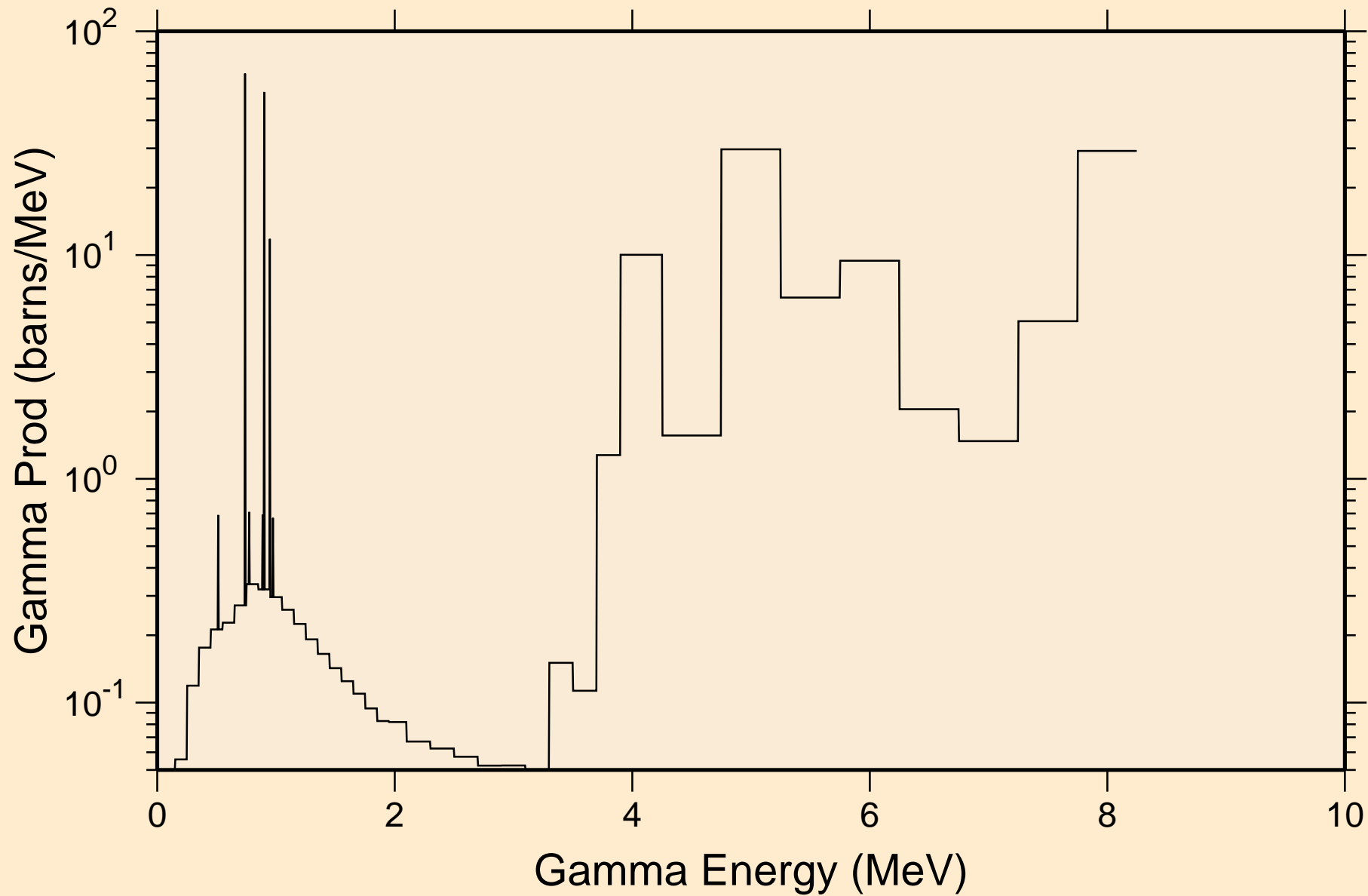
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



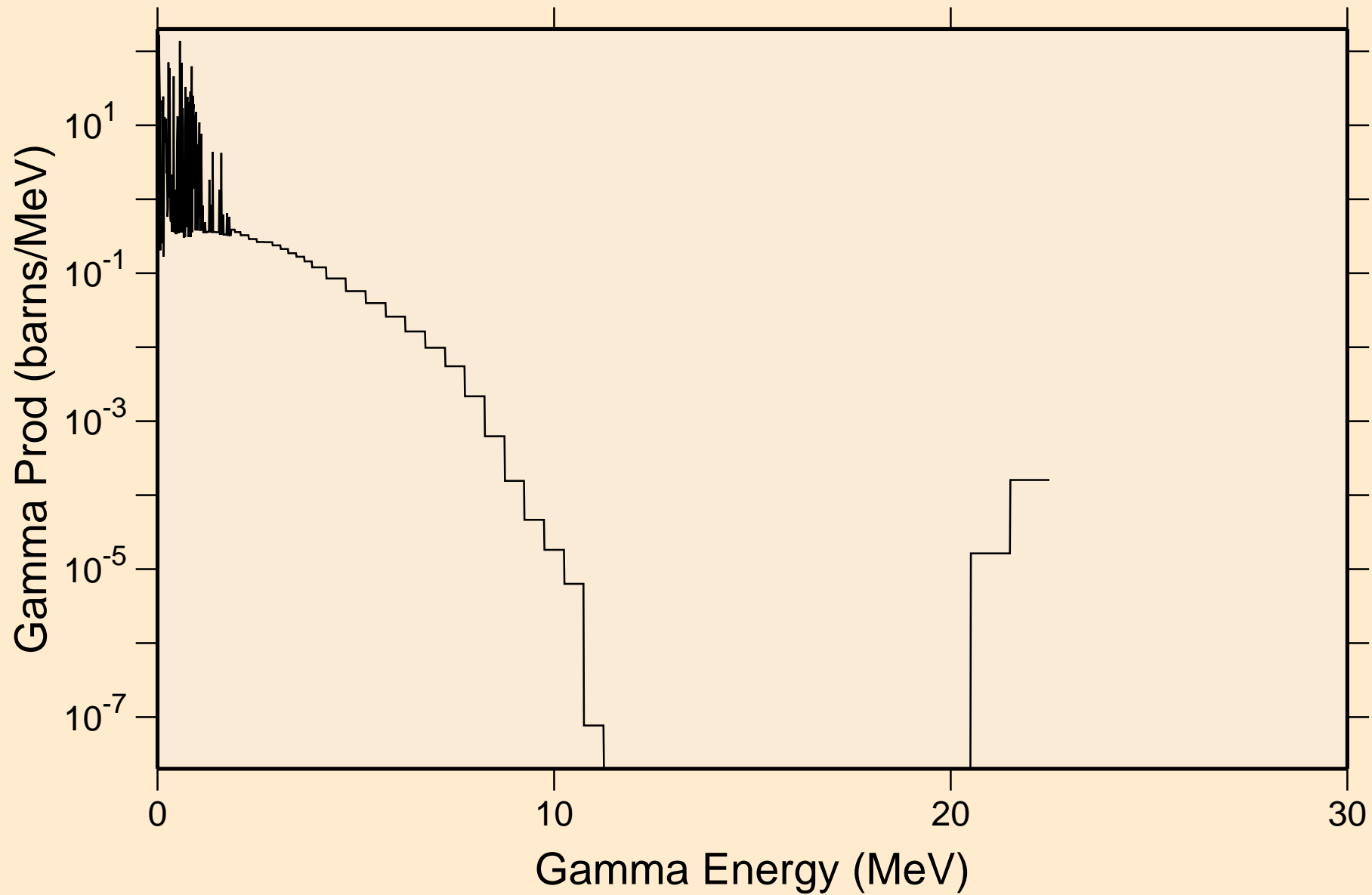
RU089 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



RU089 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

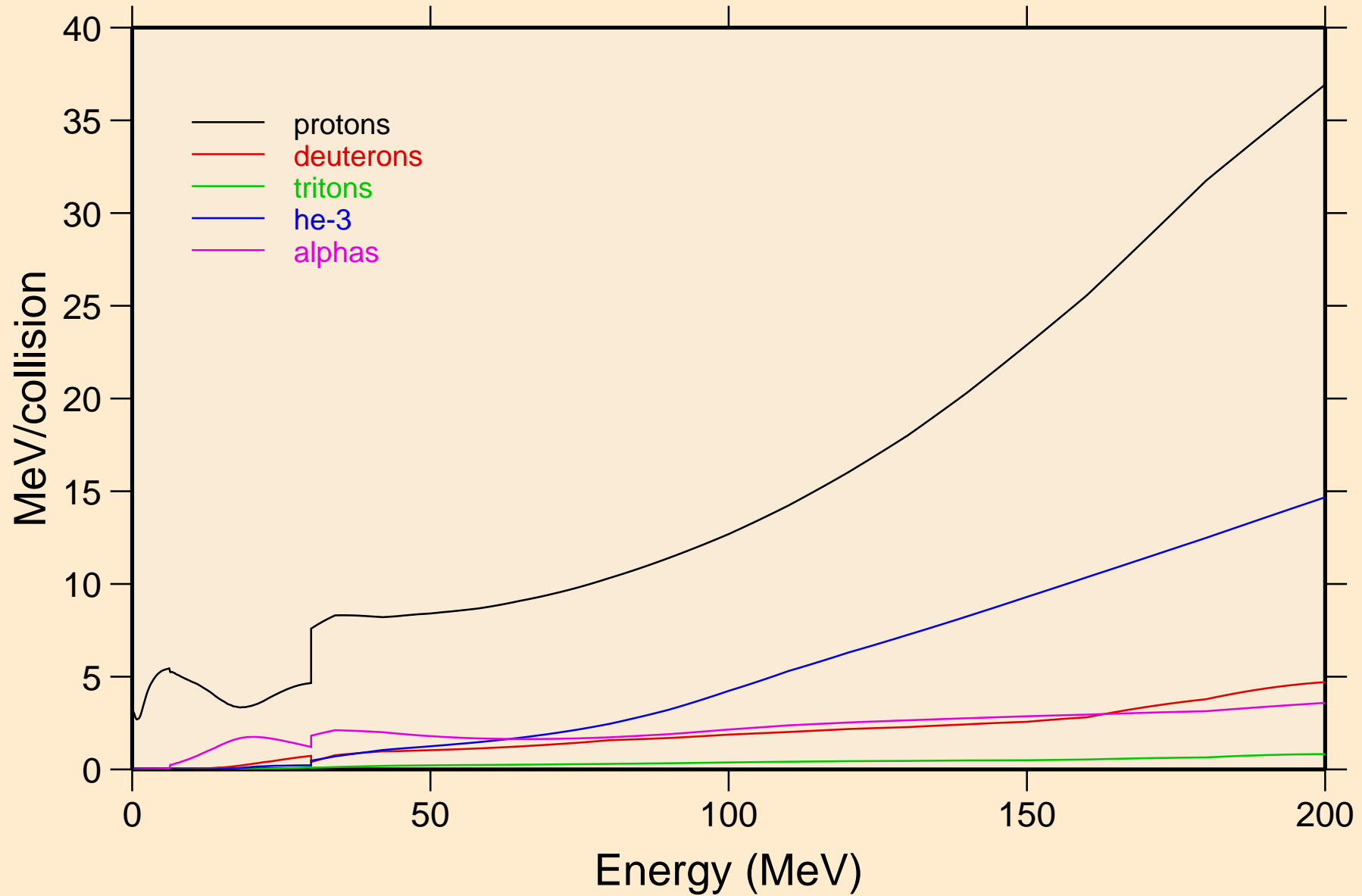


RU089 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



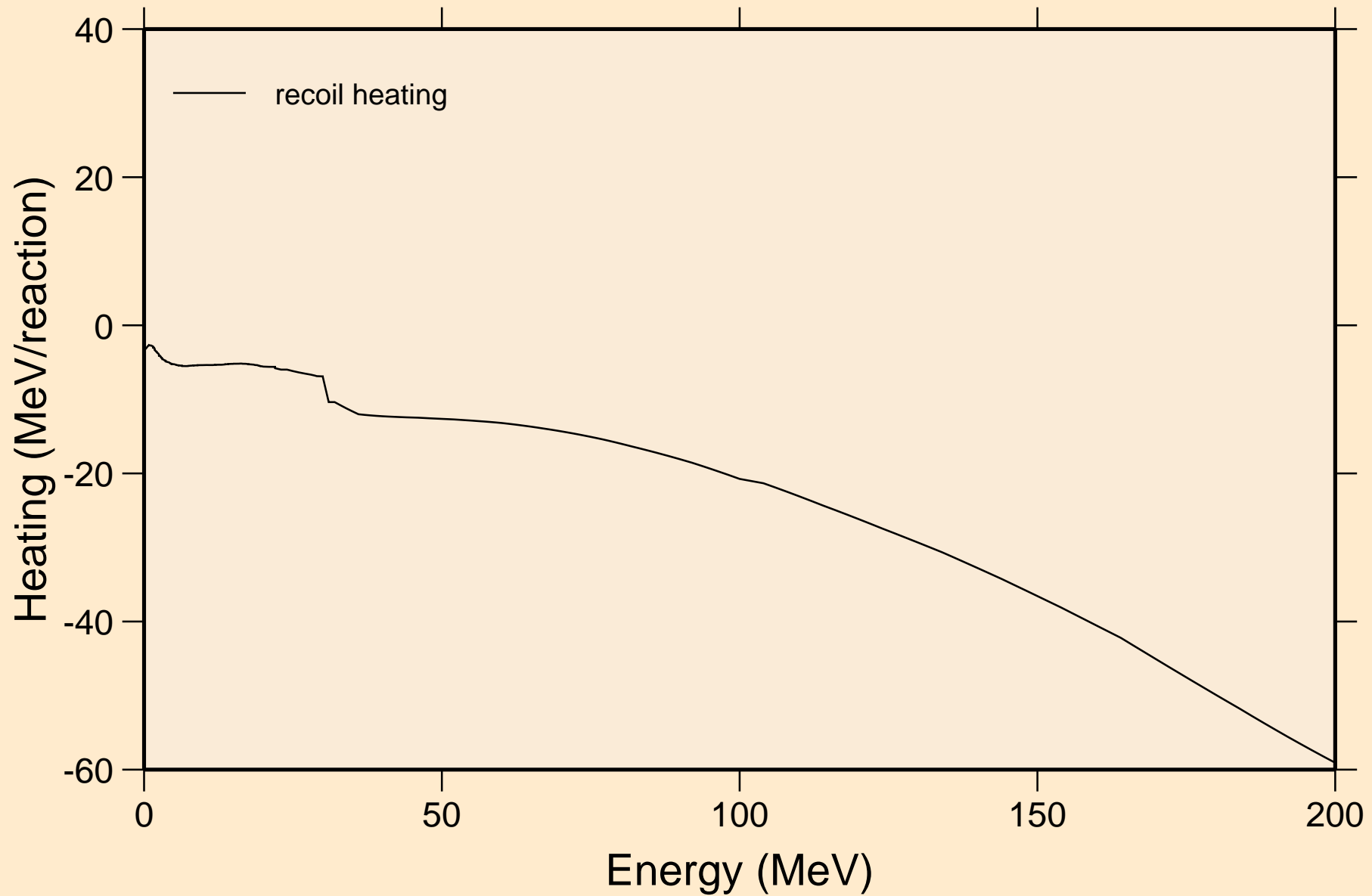
# RU089 NRG TENDL-2015, AKONING

## Particle heating contributions



# RU089 NRG TENDL-2015, AKONING

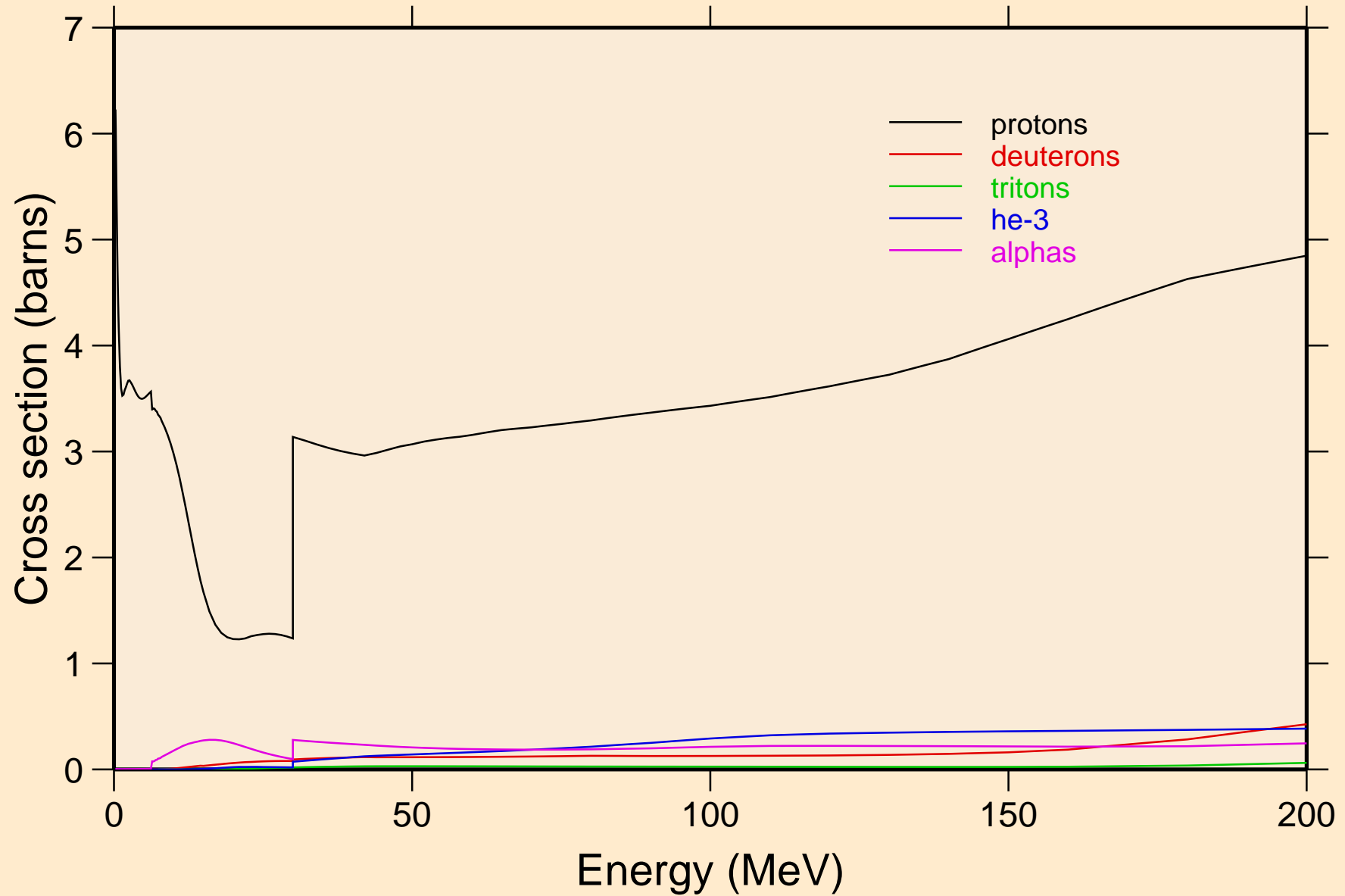
## Recoil Heating



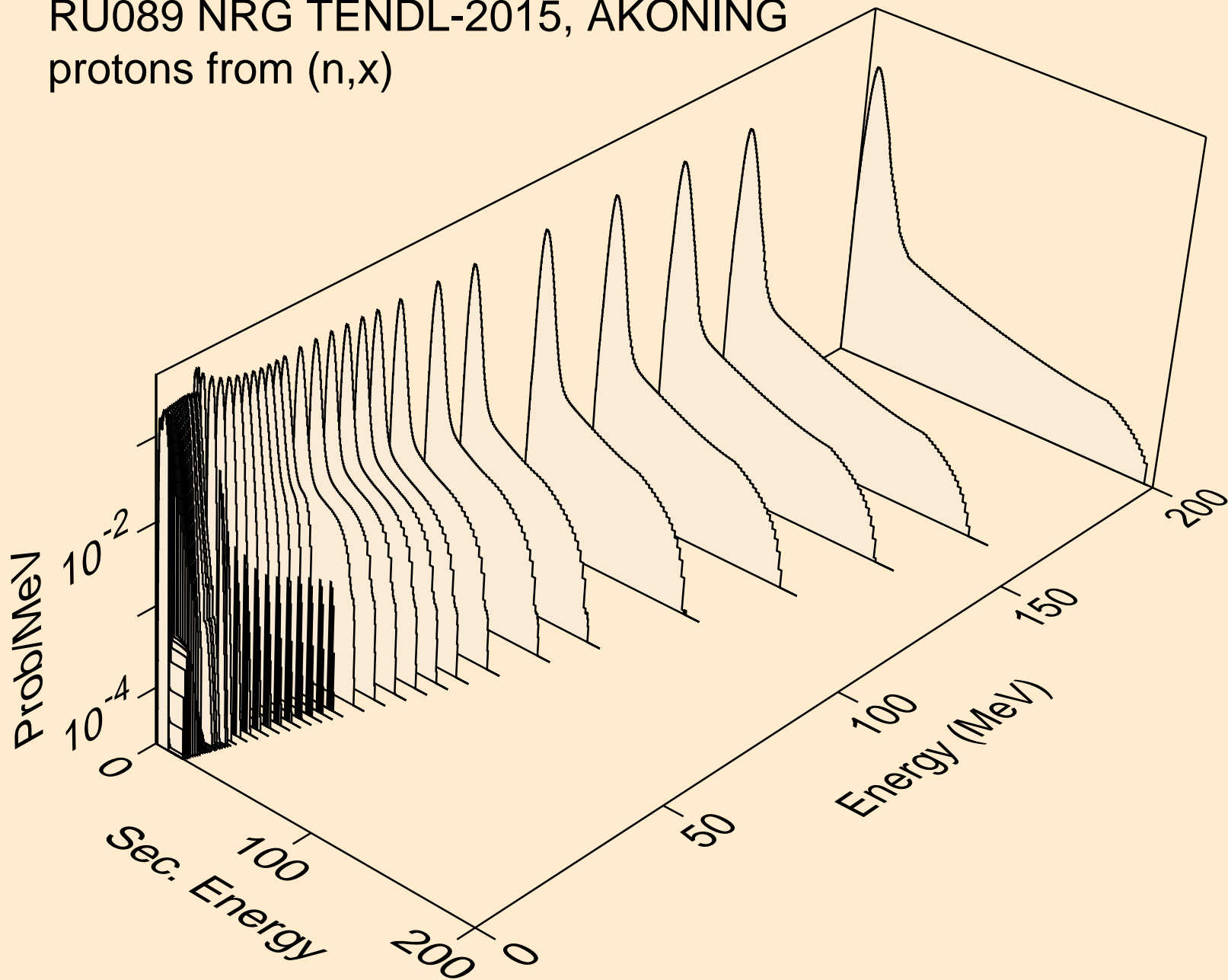


# RU089 NRG TENDL-2015, AKONING

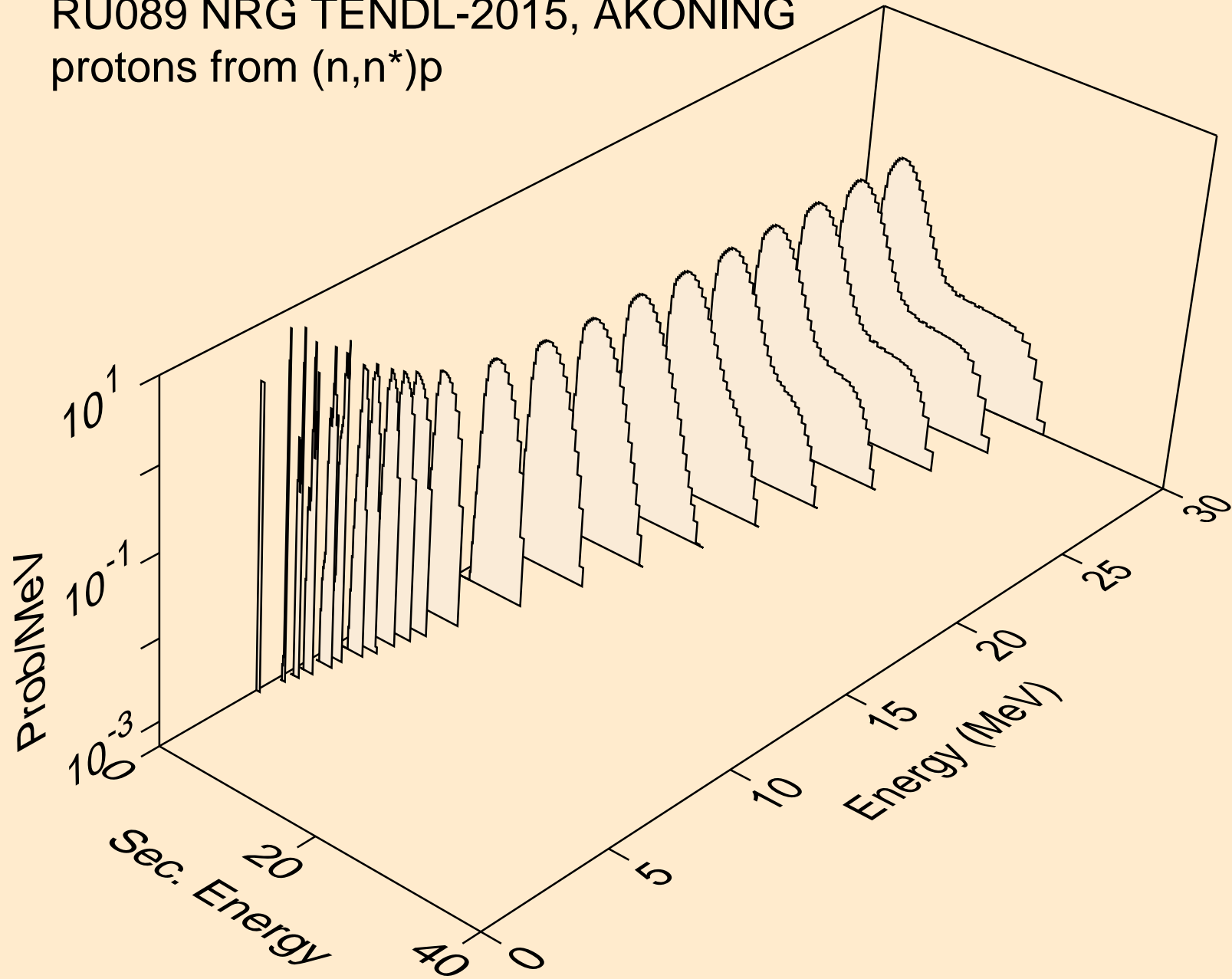
## Particle production cross sections



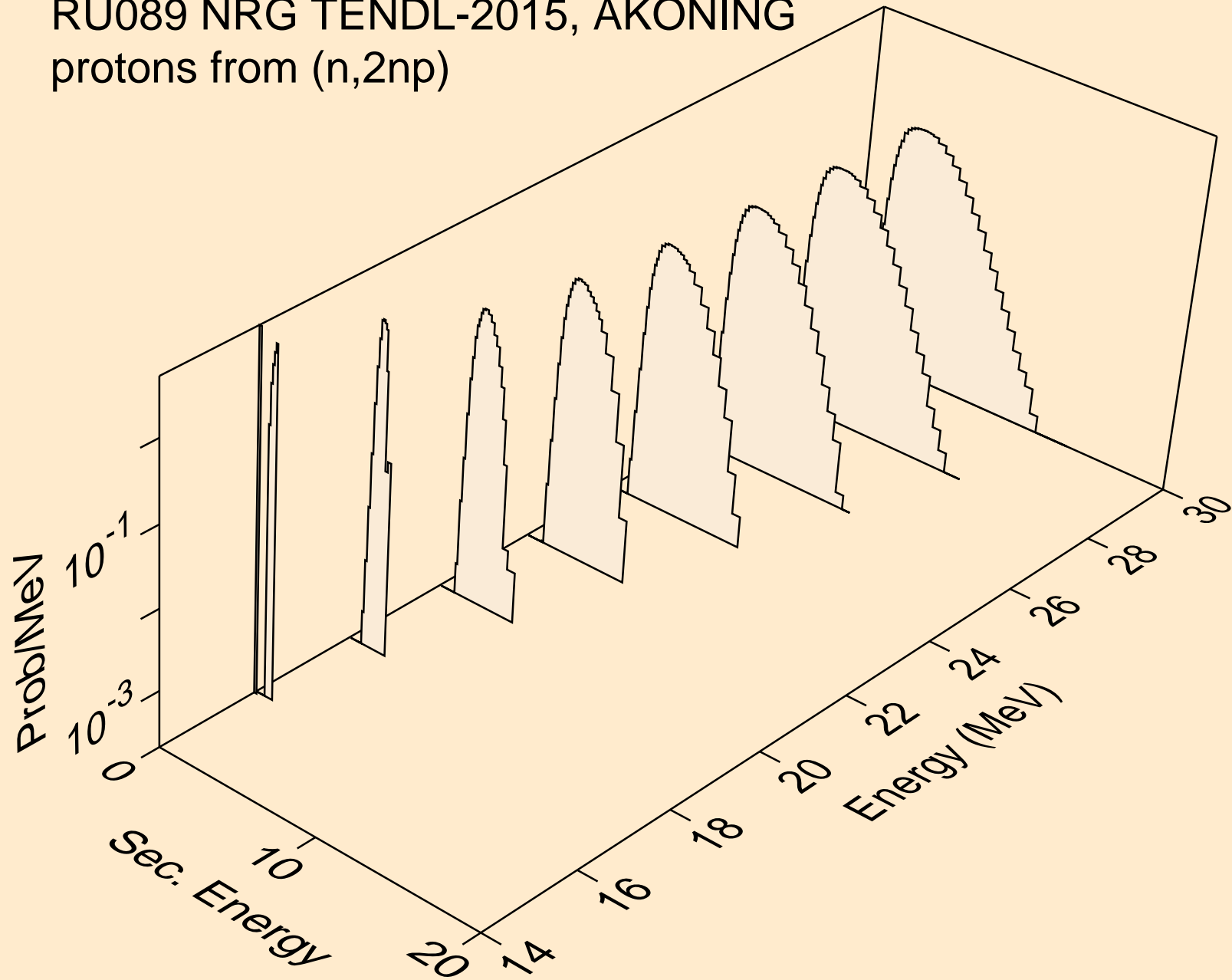
RU089 NRG TENDL-2015, AKONING  
protons from (n,x)



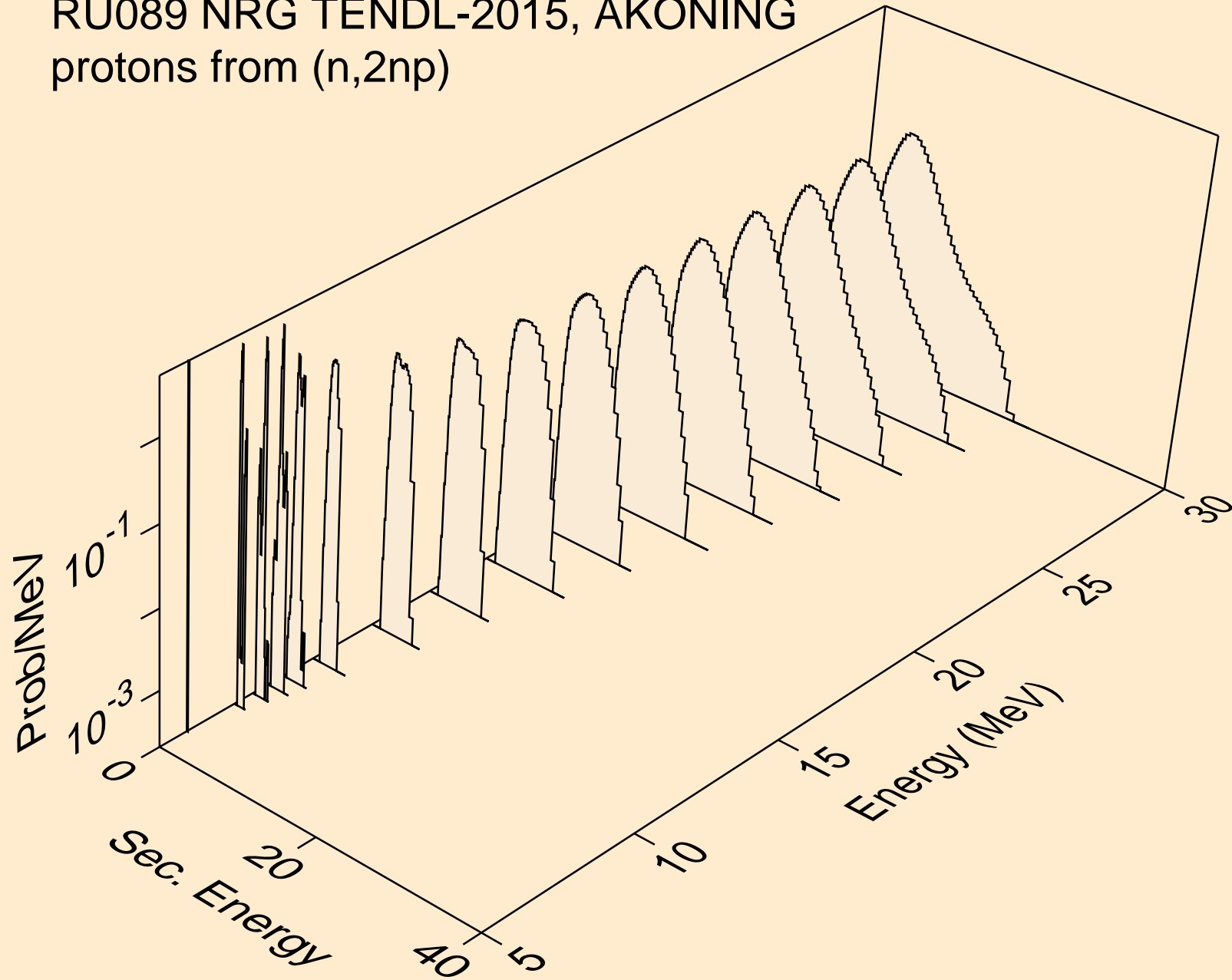
RU089 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



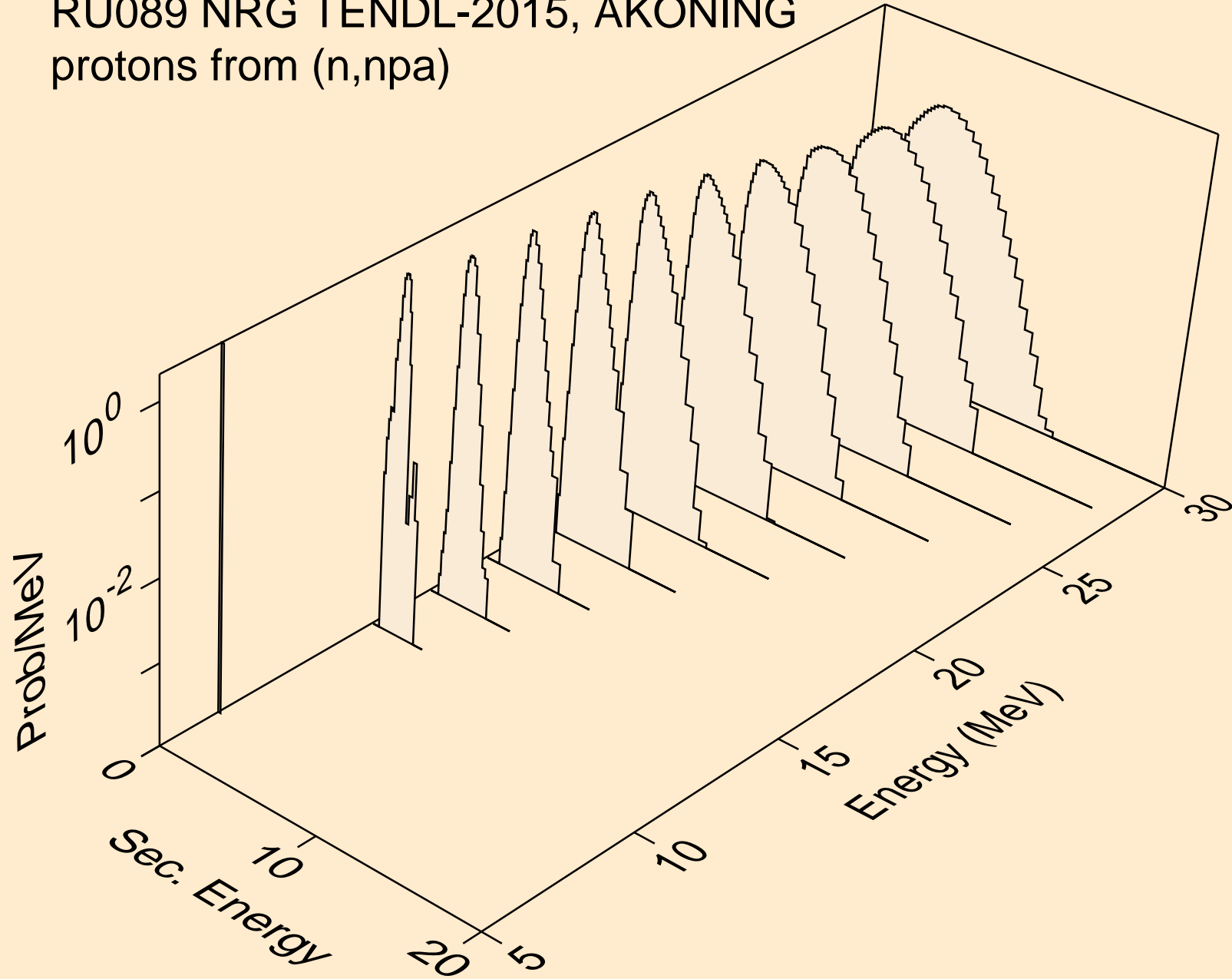
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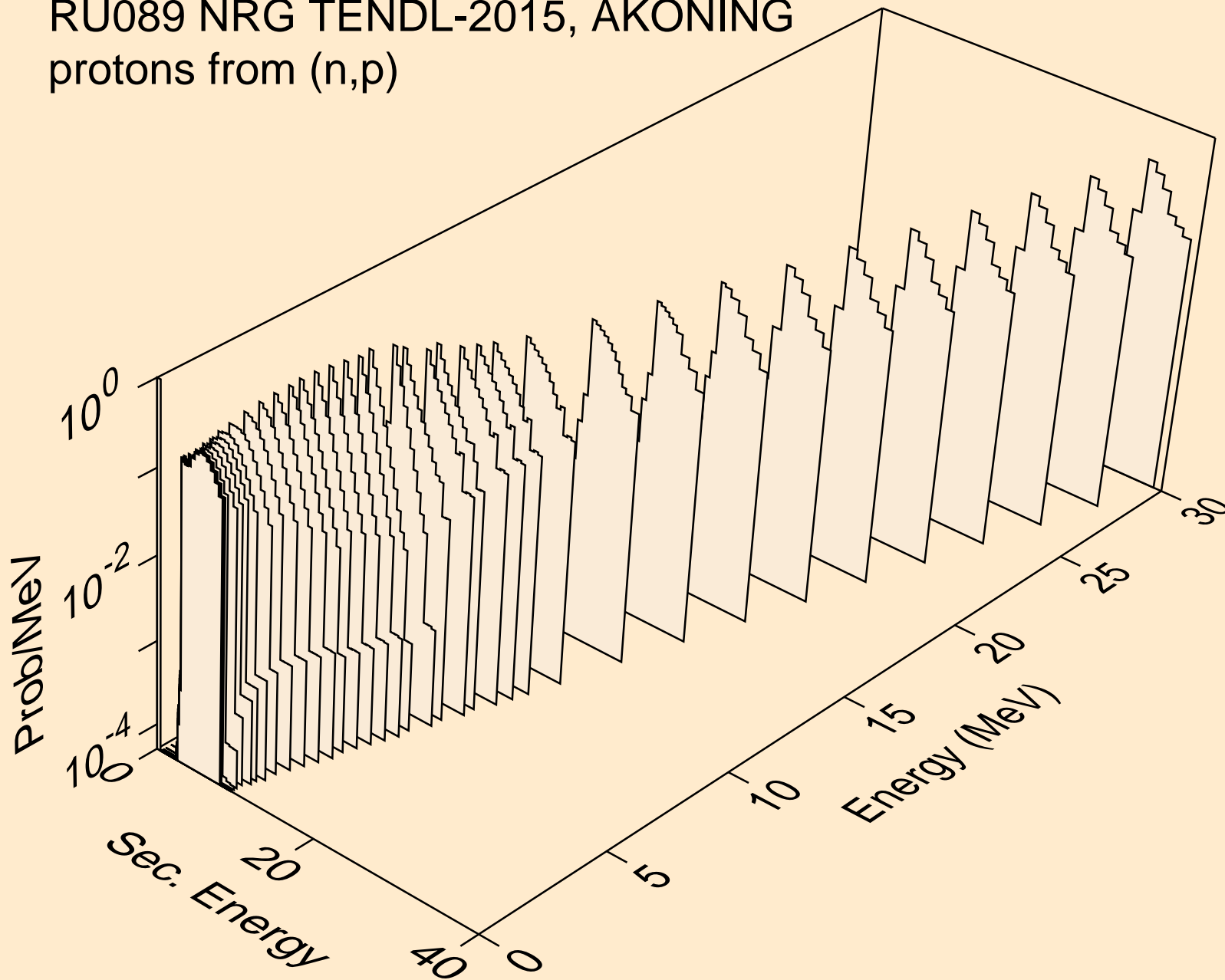
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protons from (n,2np)



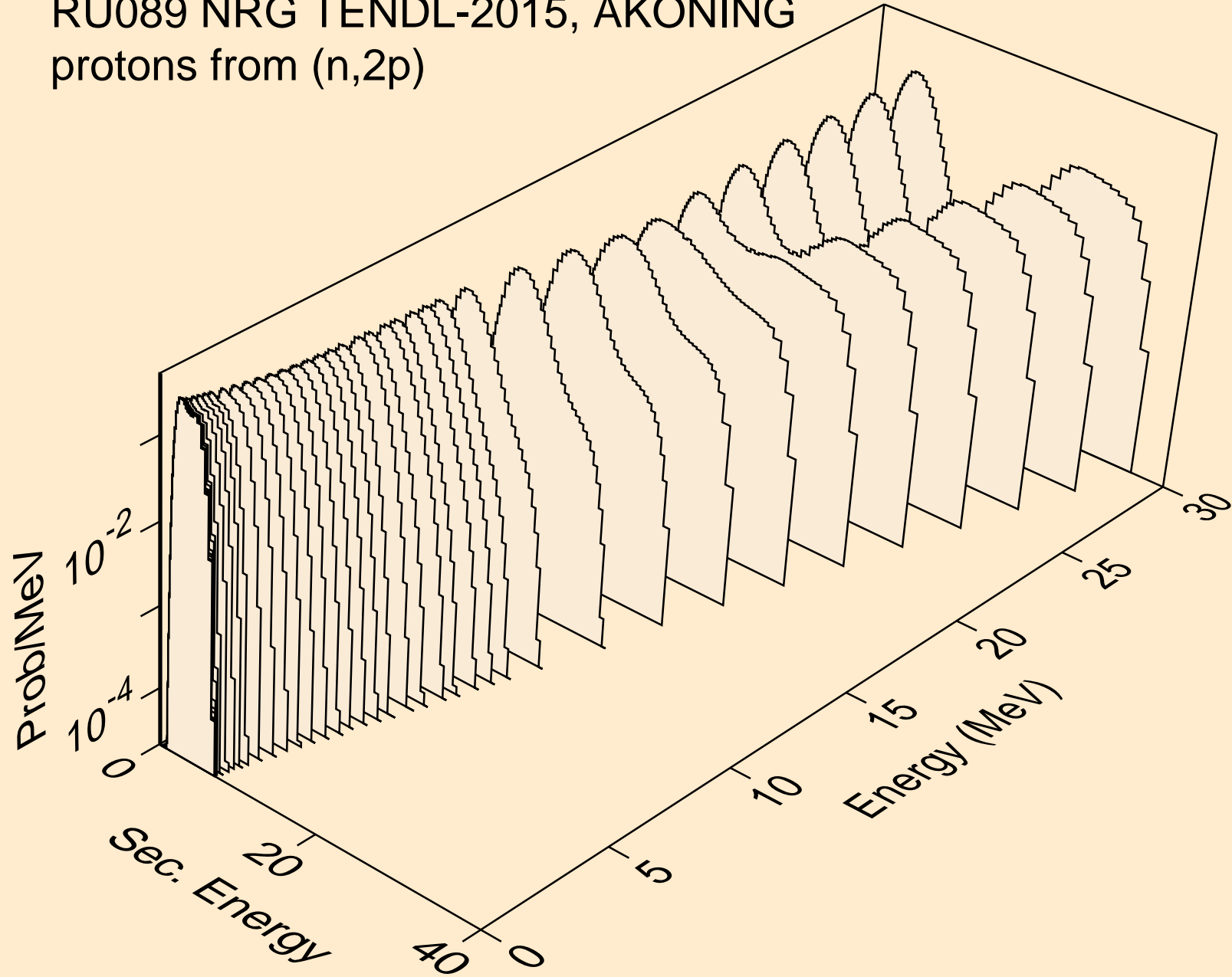
RU089 NRG TENDL-2015, AKONING  
protons from (n,npa)



RU089 NRG TENDL-2015, AKONING  
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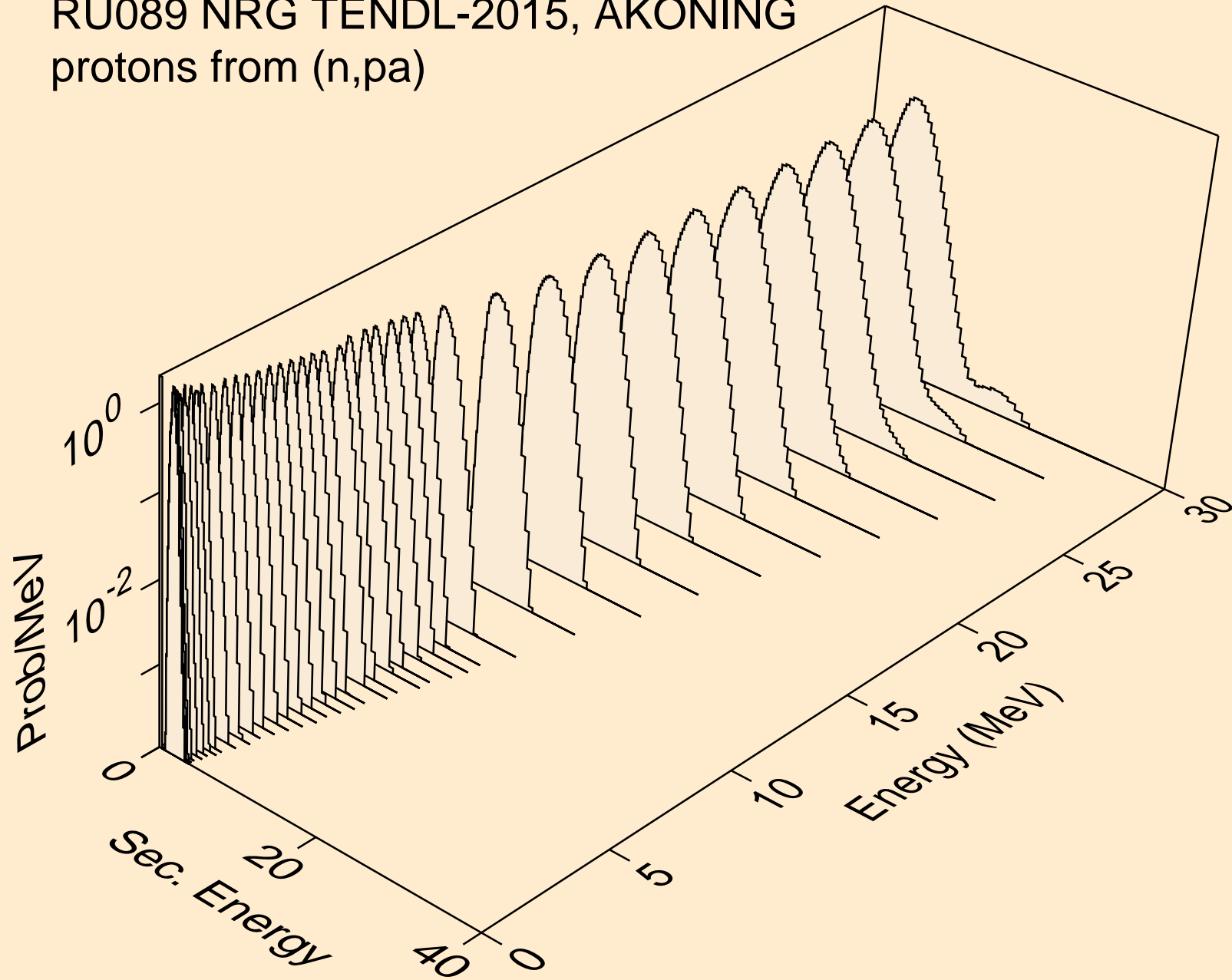


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protons from (n,2p)

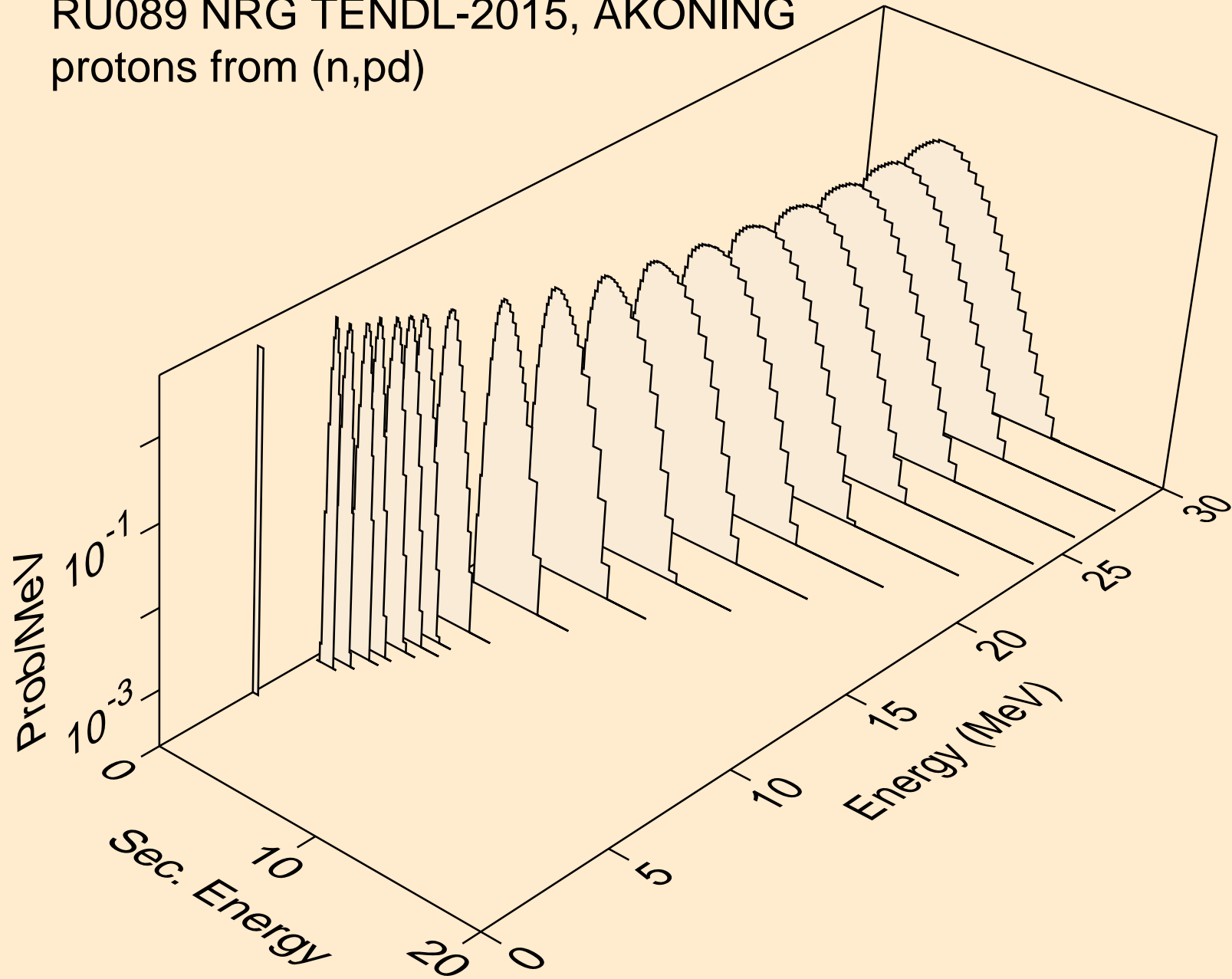




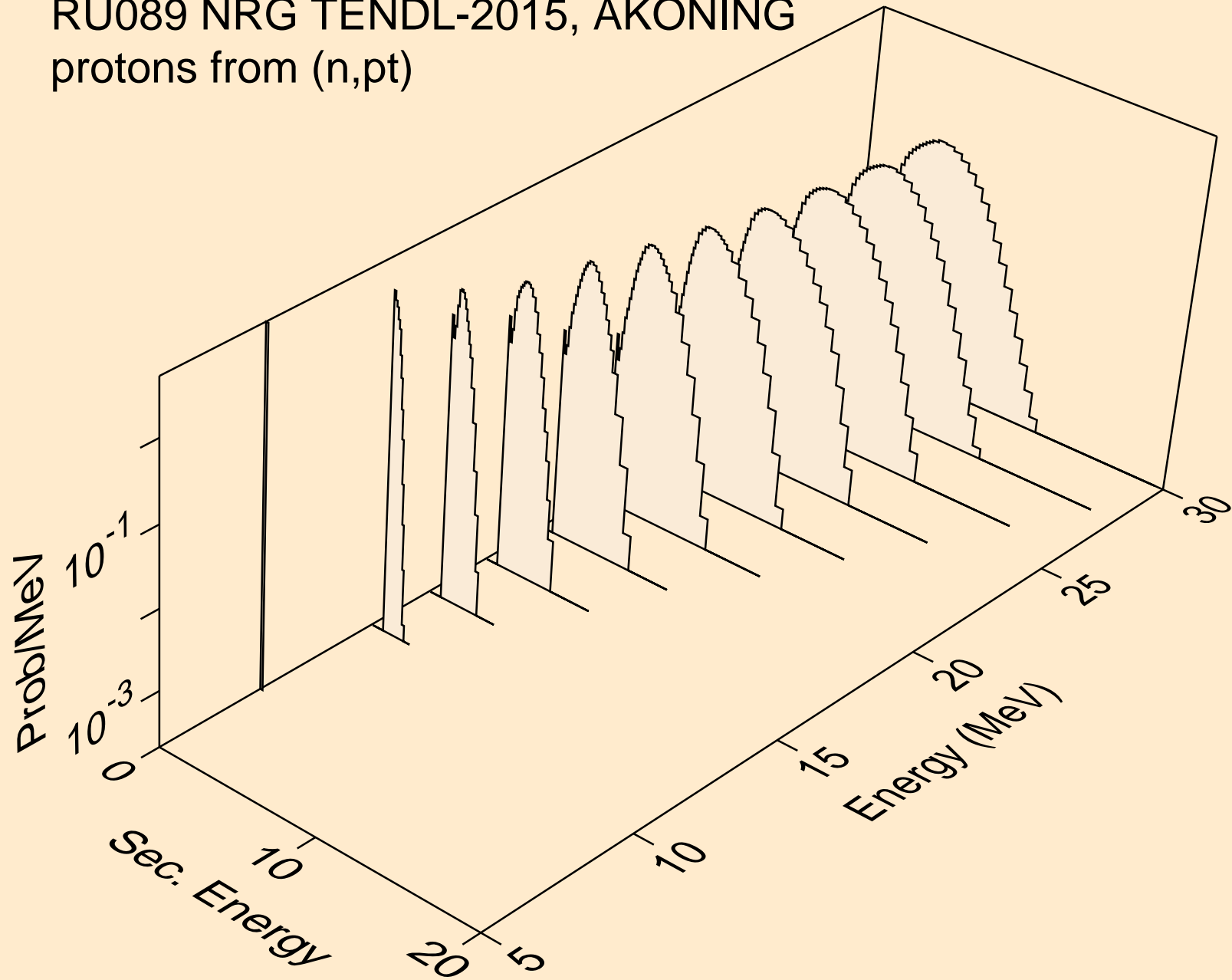
RU089 NRG TENDL-2015, AKONING  
protons from (n,pa)



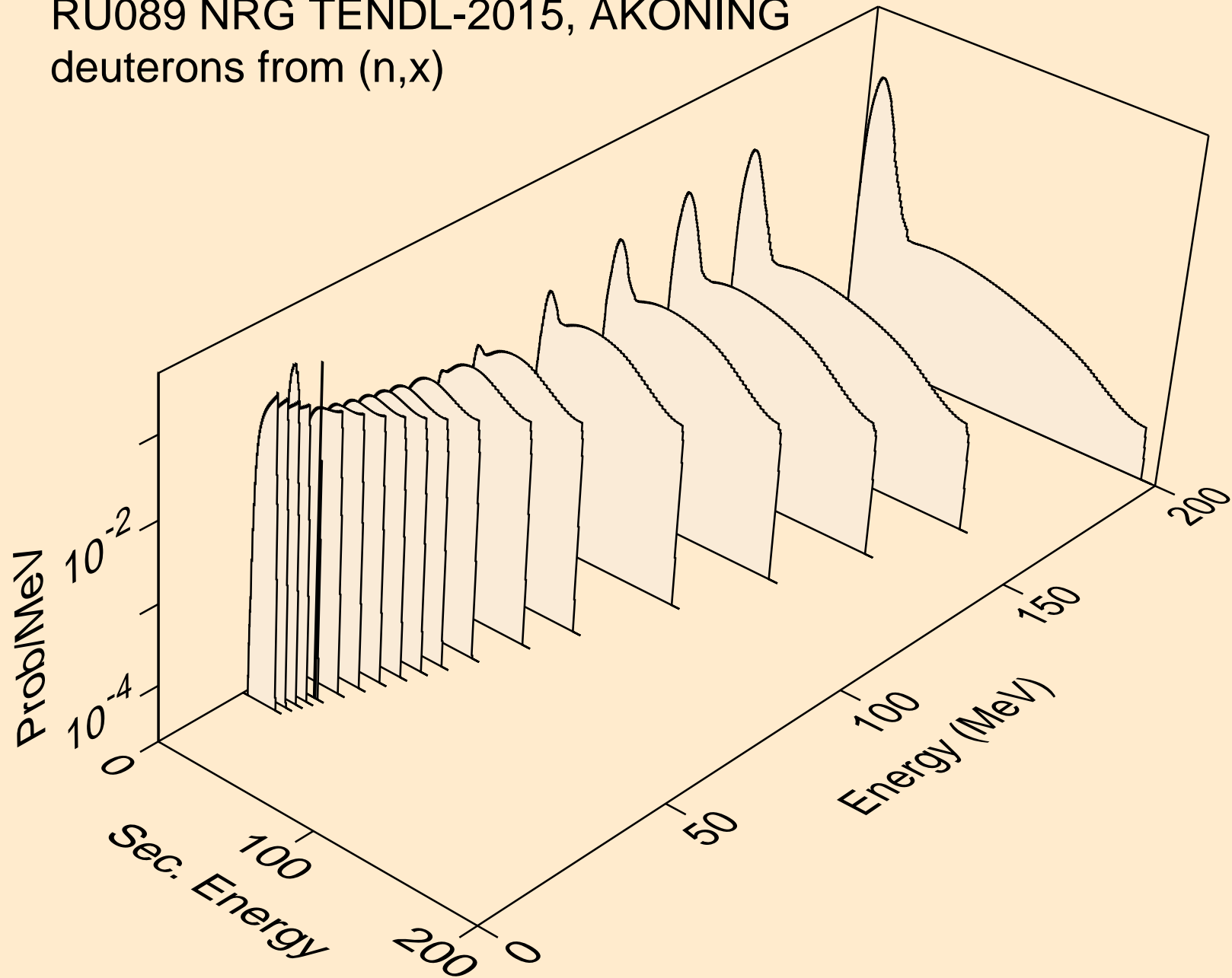
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protons from (n,pd)



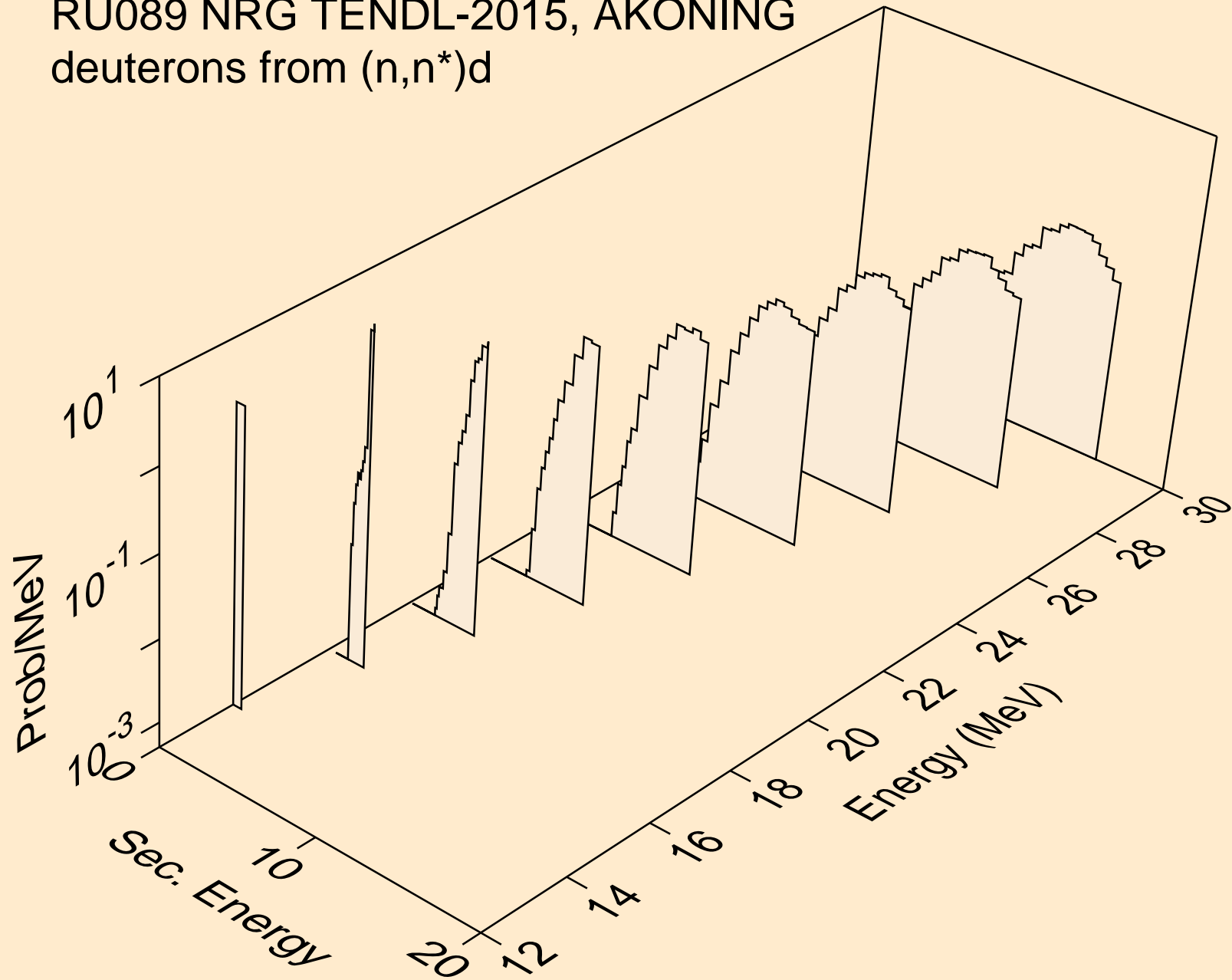
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protons from (n,pt)



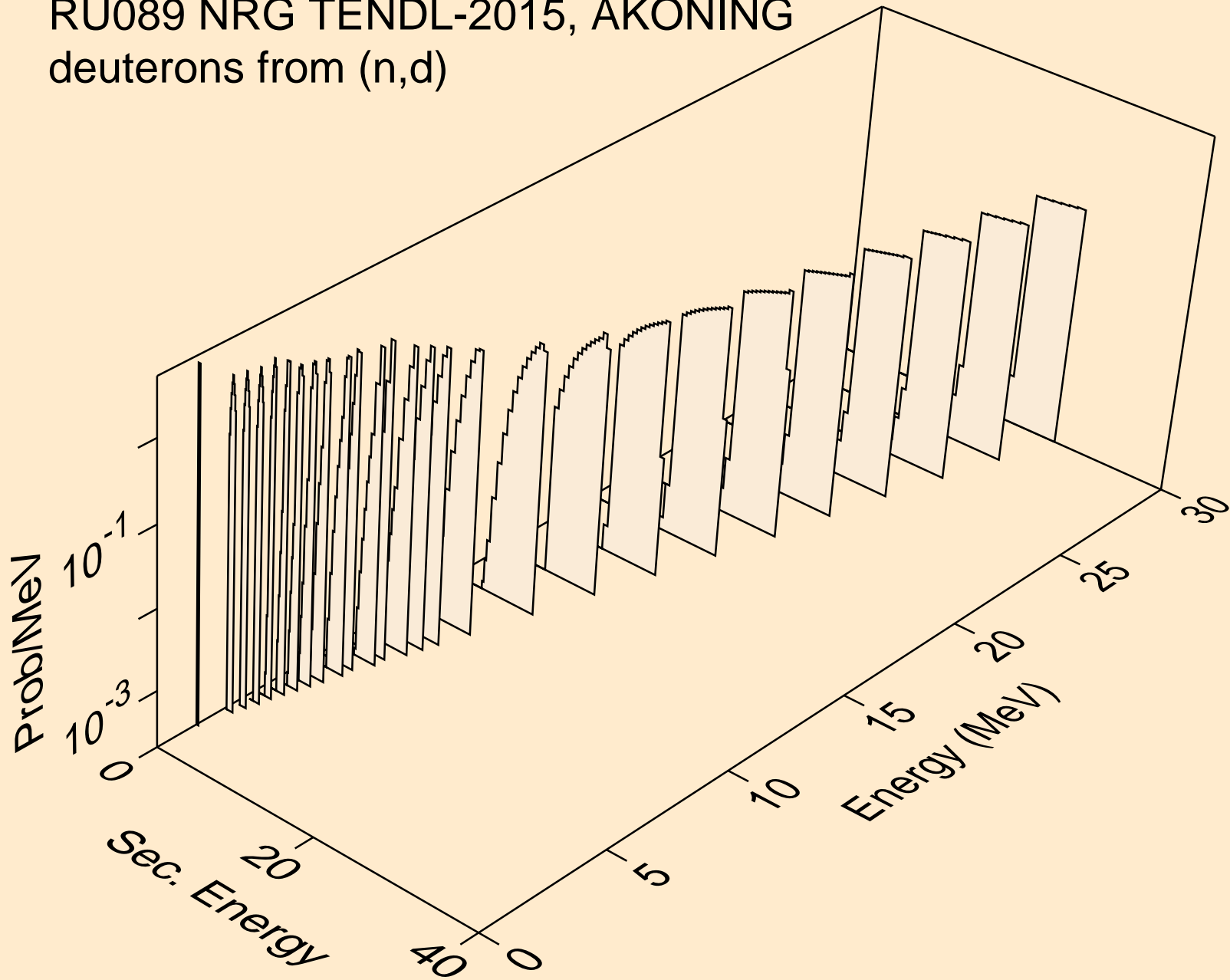
RU089 NRG TENDL-2015, AKONING  
deuterons from (n,x)



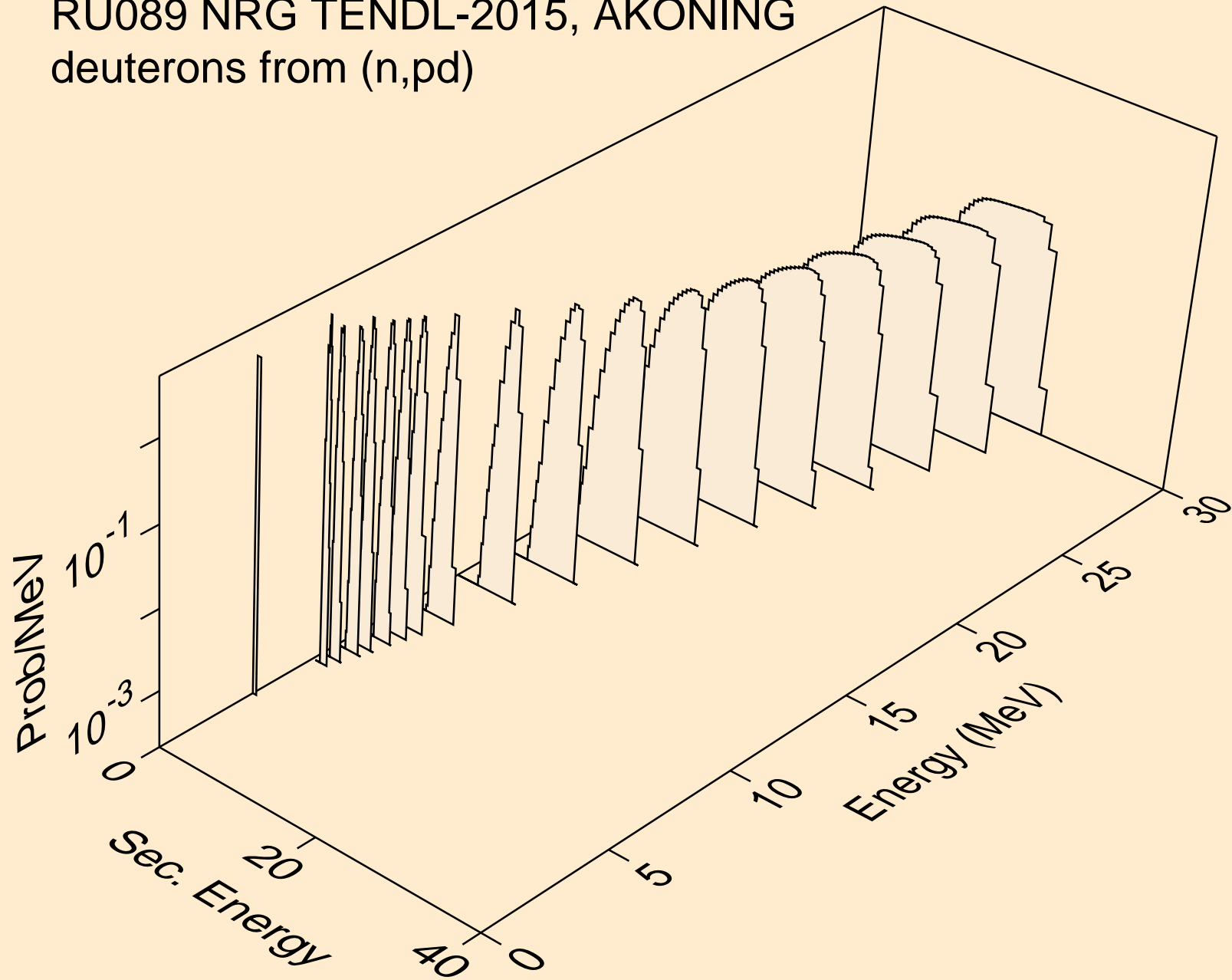
RU089 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



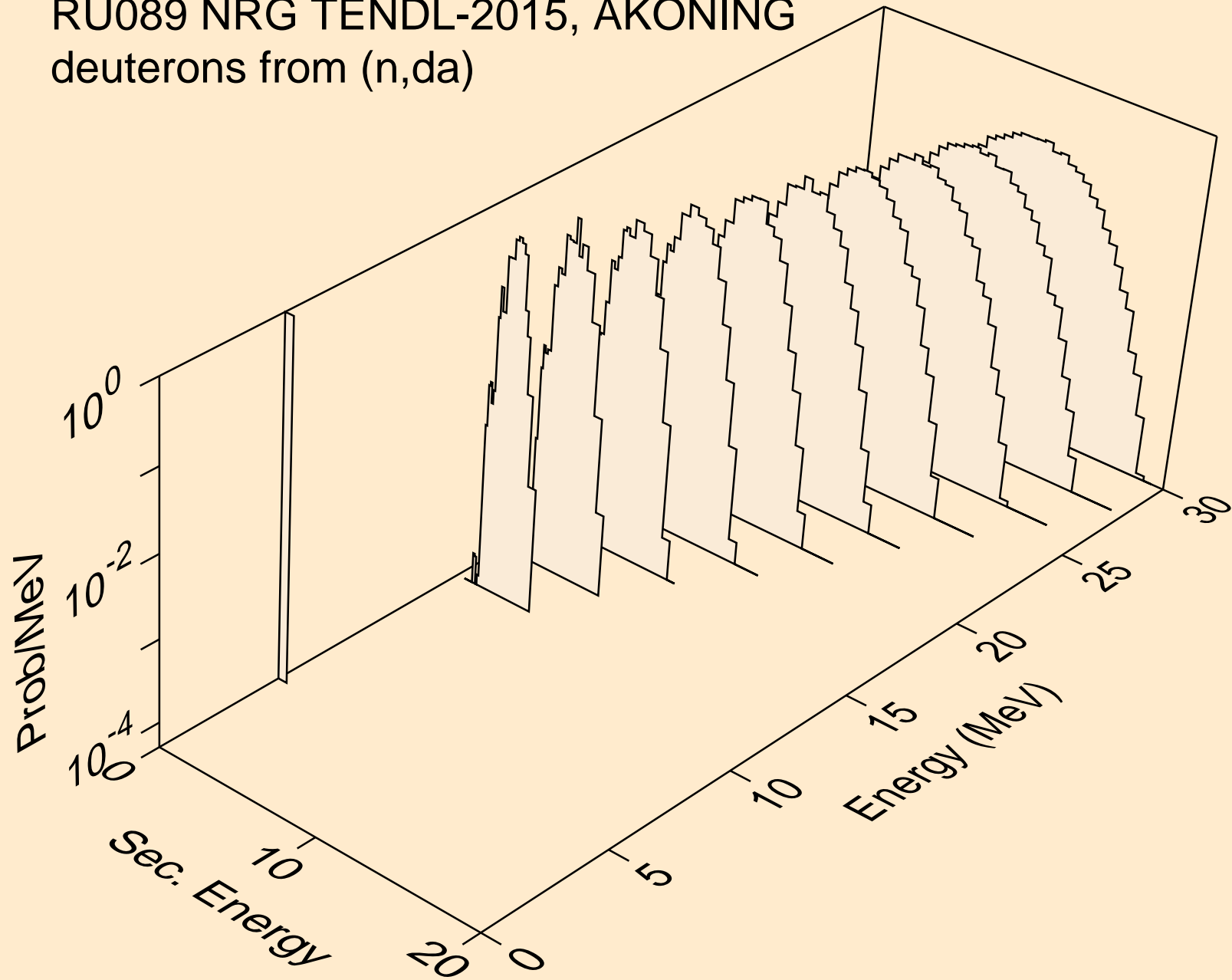
RU089 NRG TENDL-2015, AKONING  
deuterons from (n,d)



RU089 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

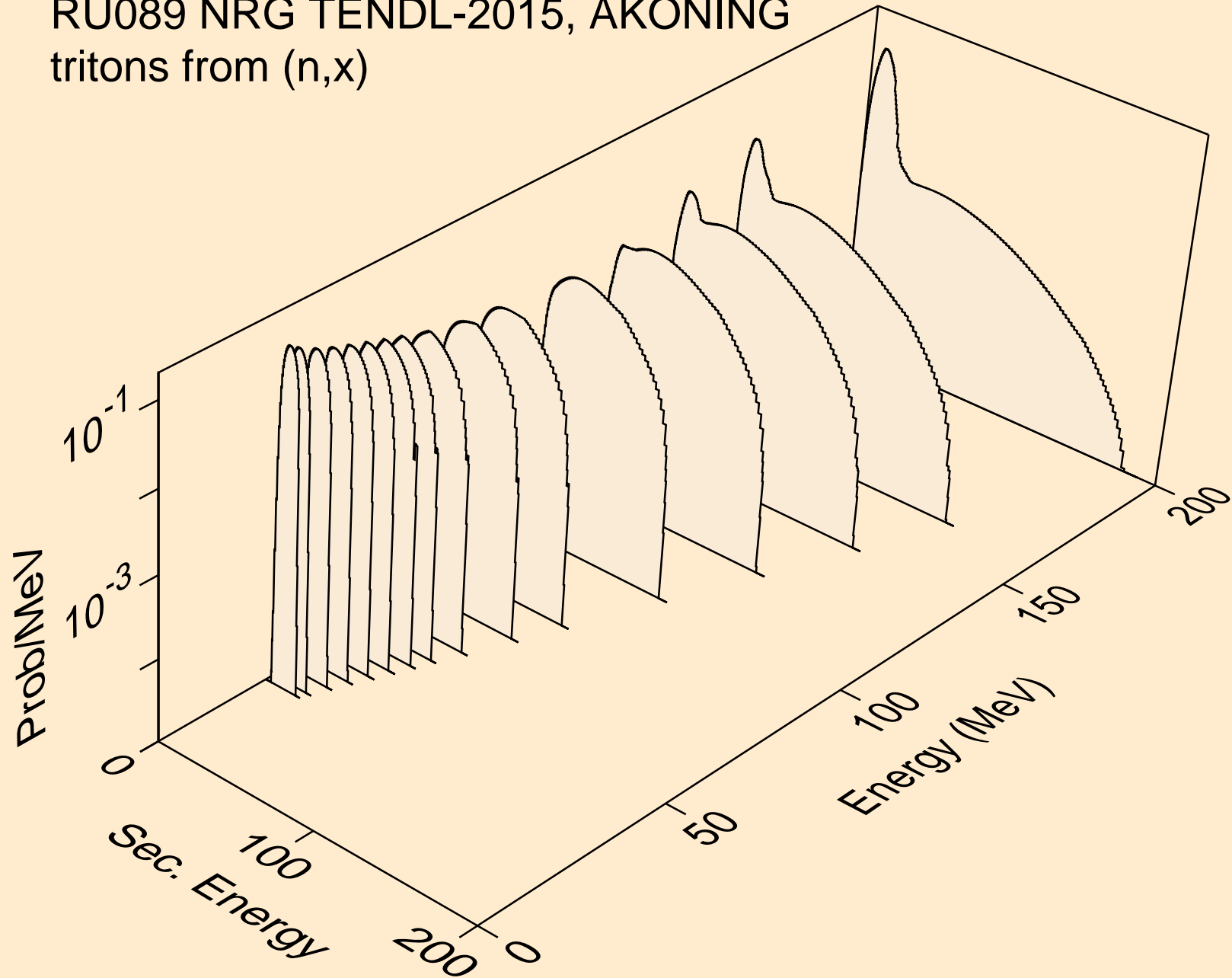


RU089 NRG TENDL-2015, AKONING  
deuterons from (n,da)

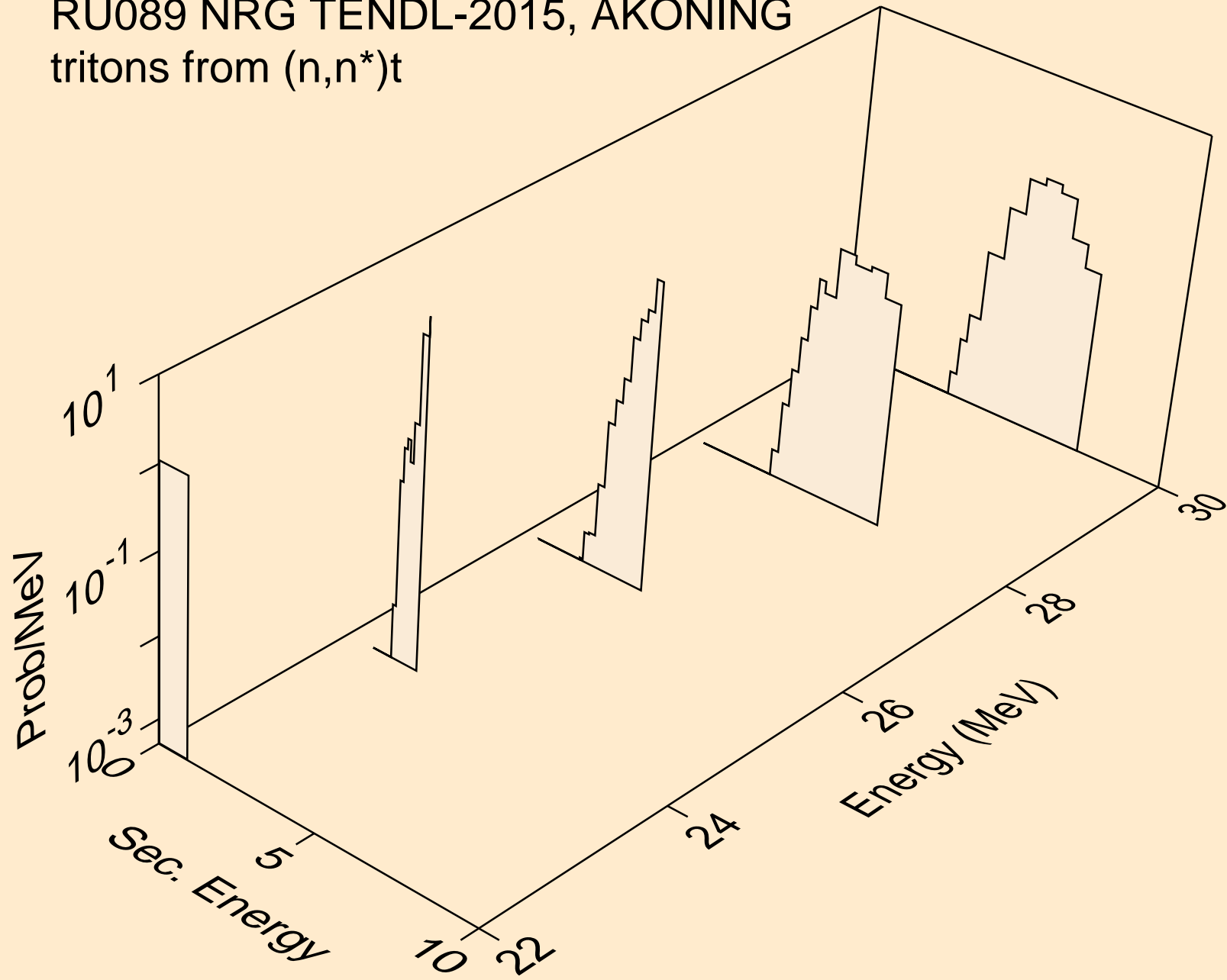




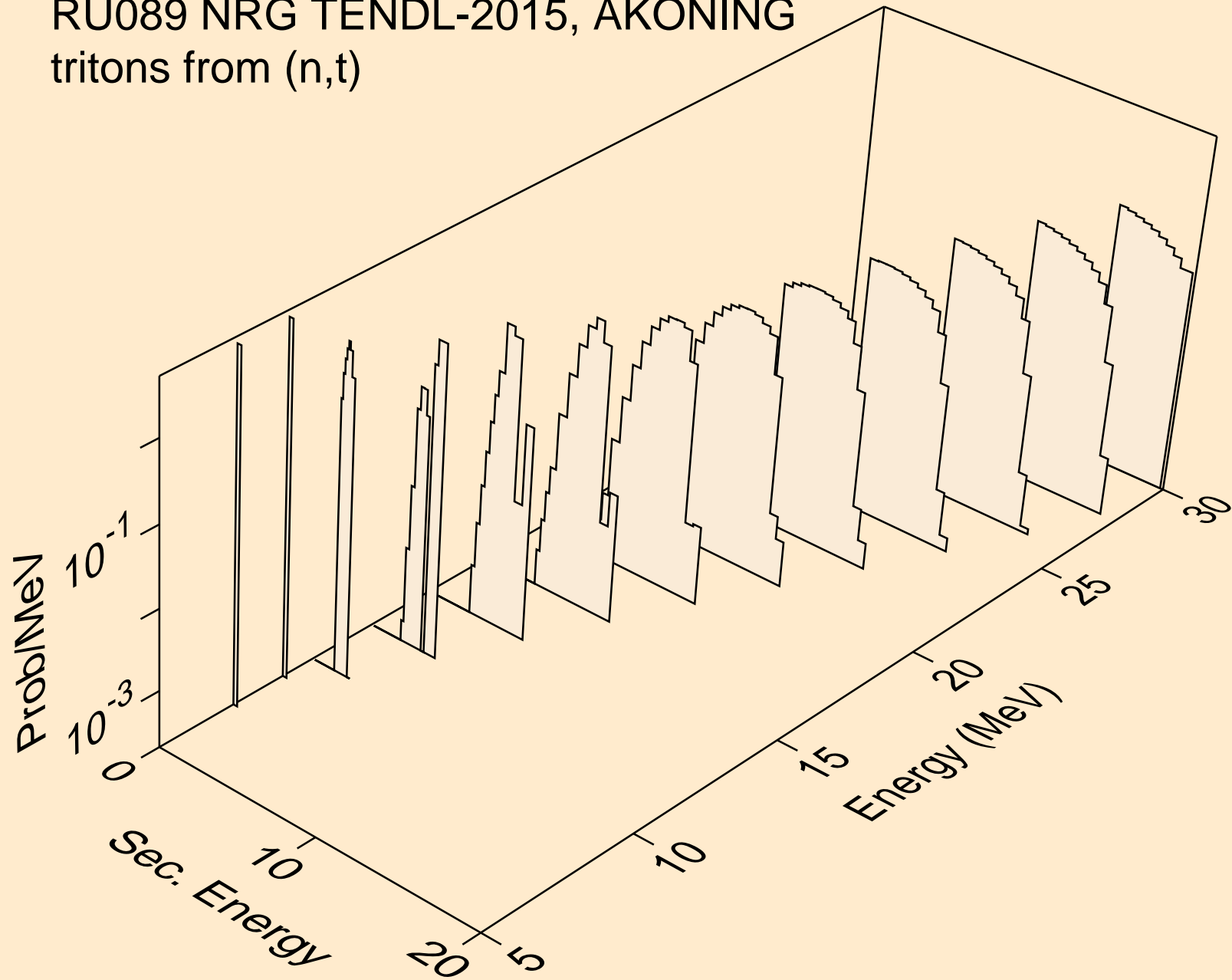
RU089 NRG TENDL-2015, AKONING  
tritons from (n,x)



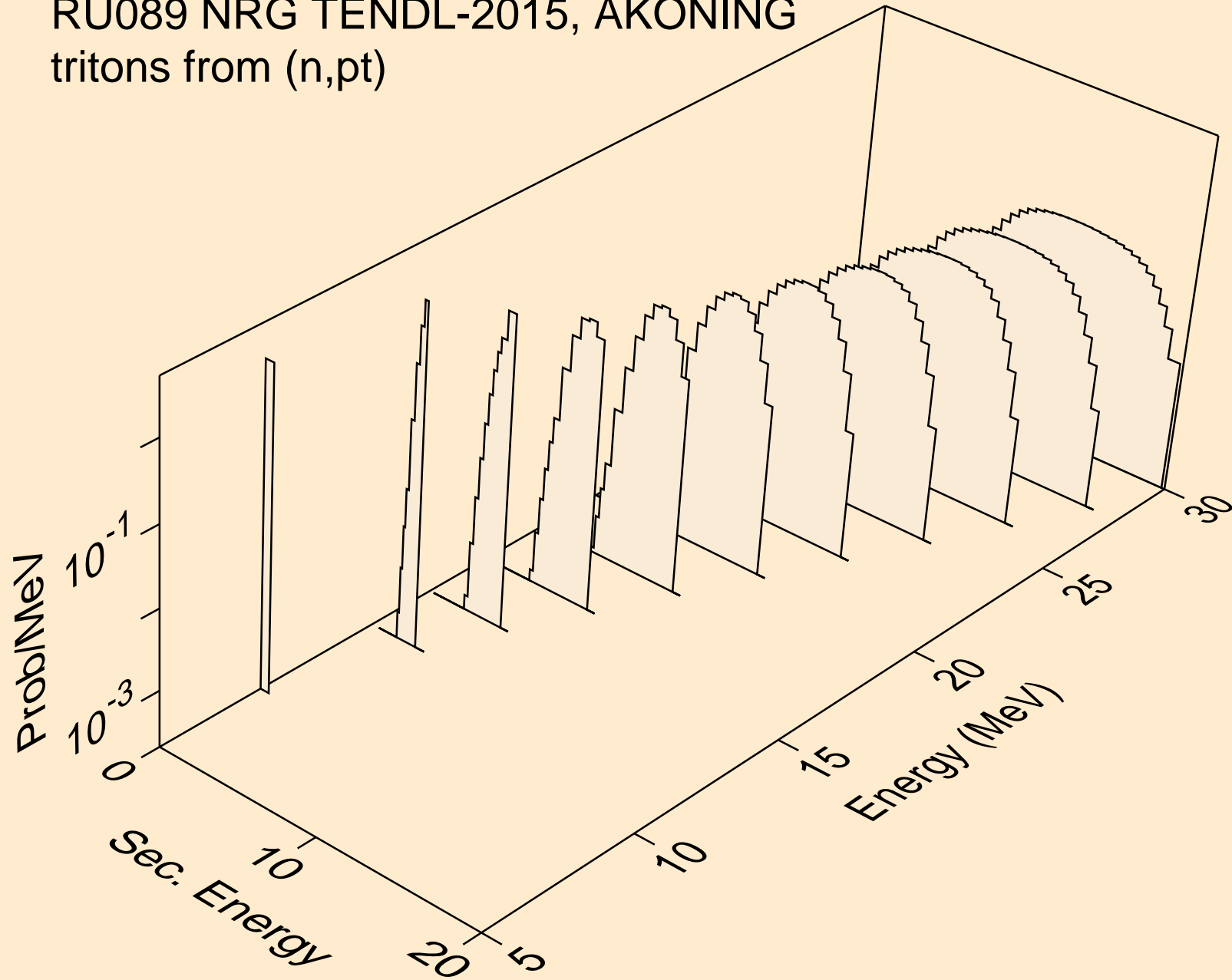
RU089 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



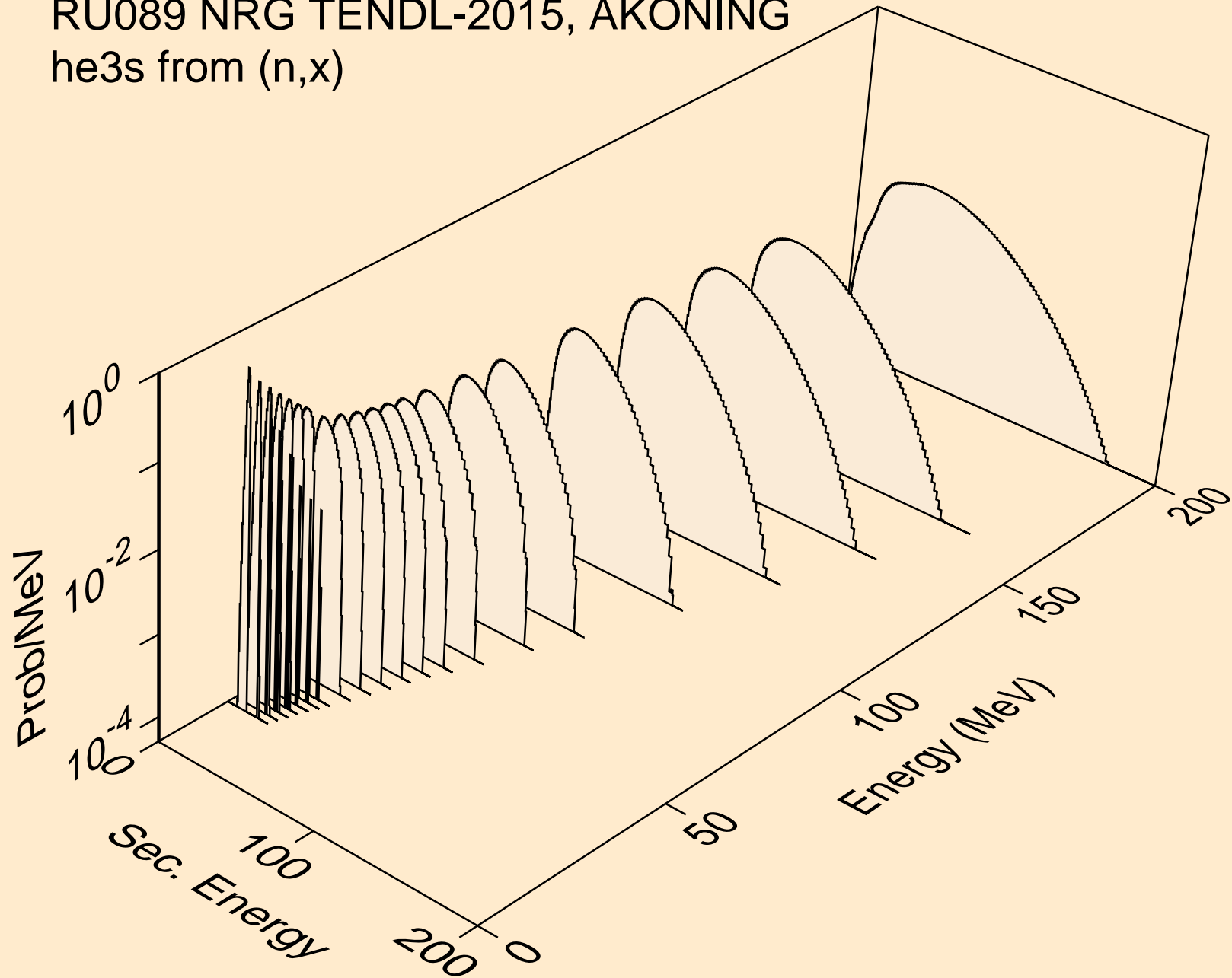
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tritons from (n,t)



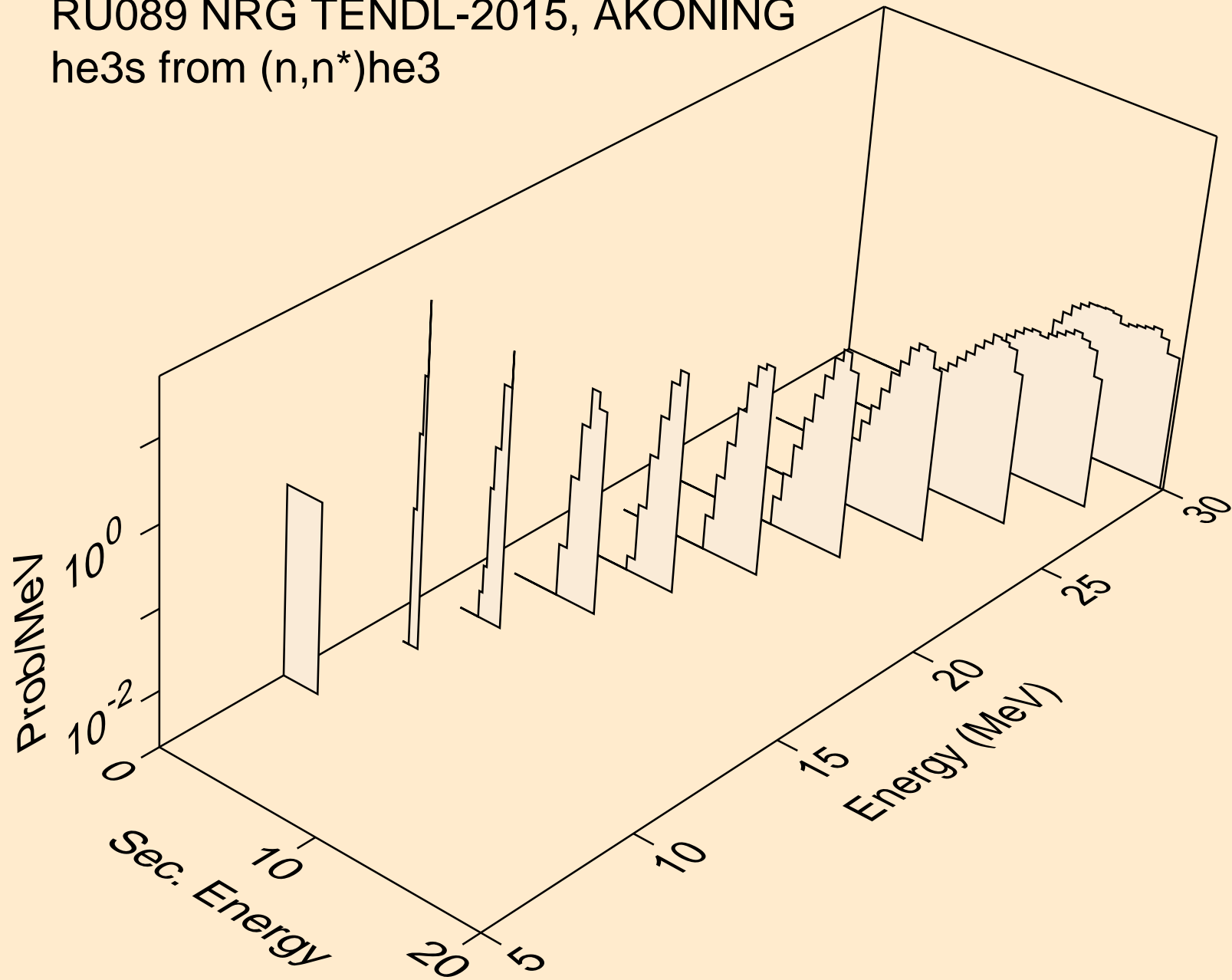
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tritons from (n,pt)



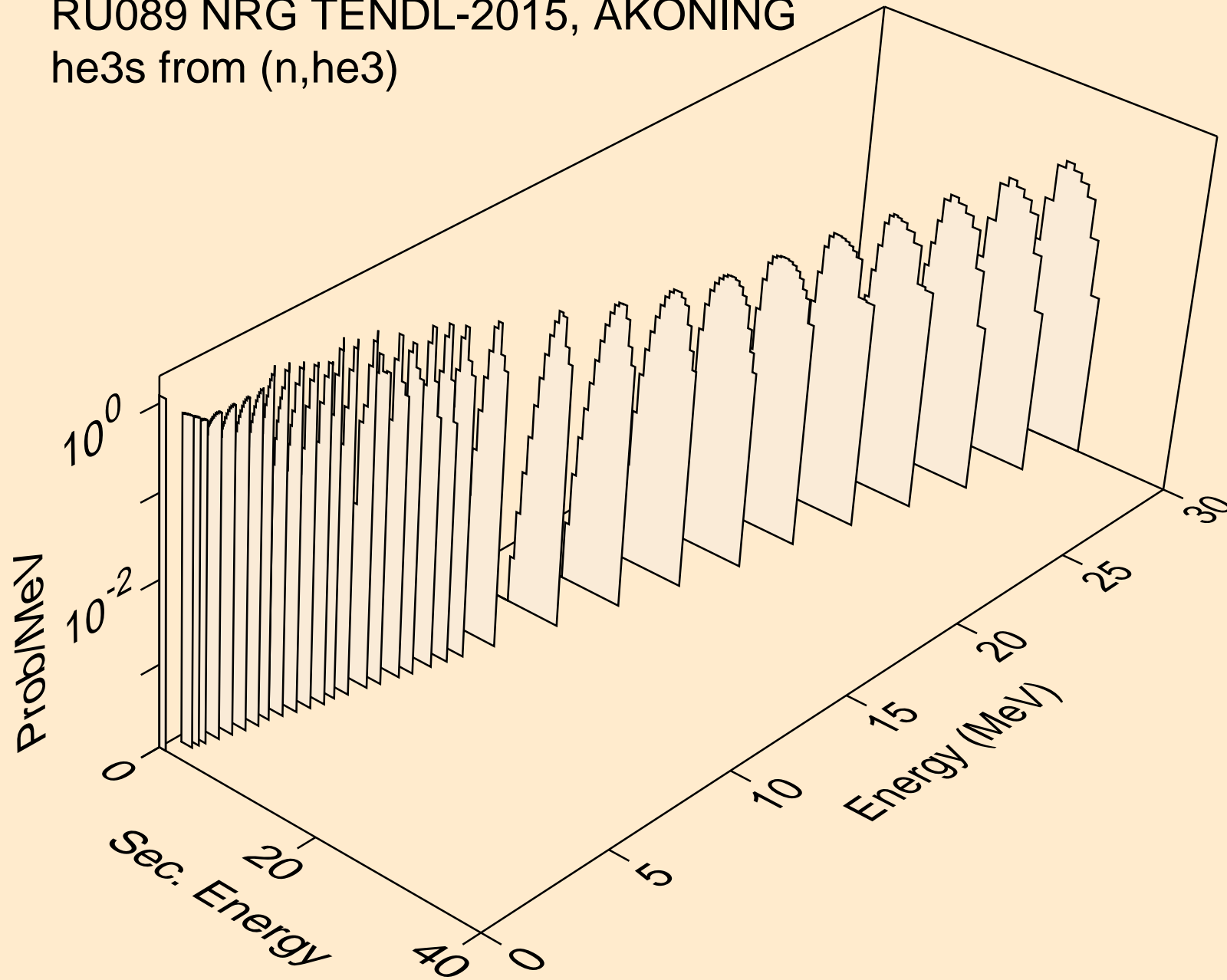
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he3s from (n,x)



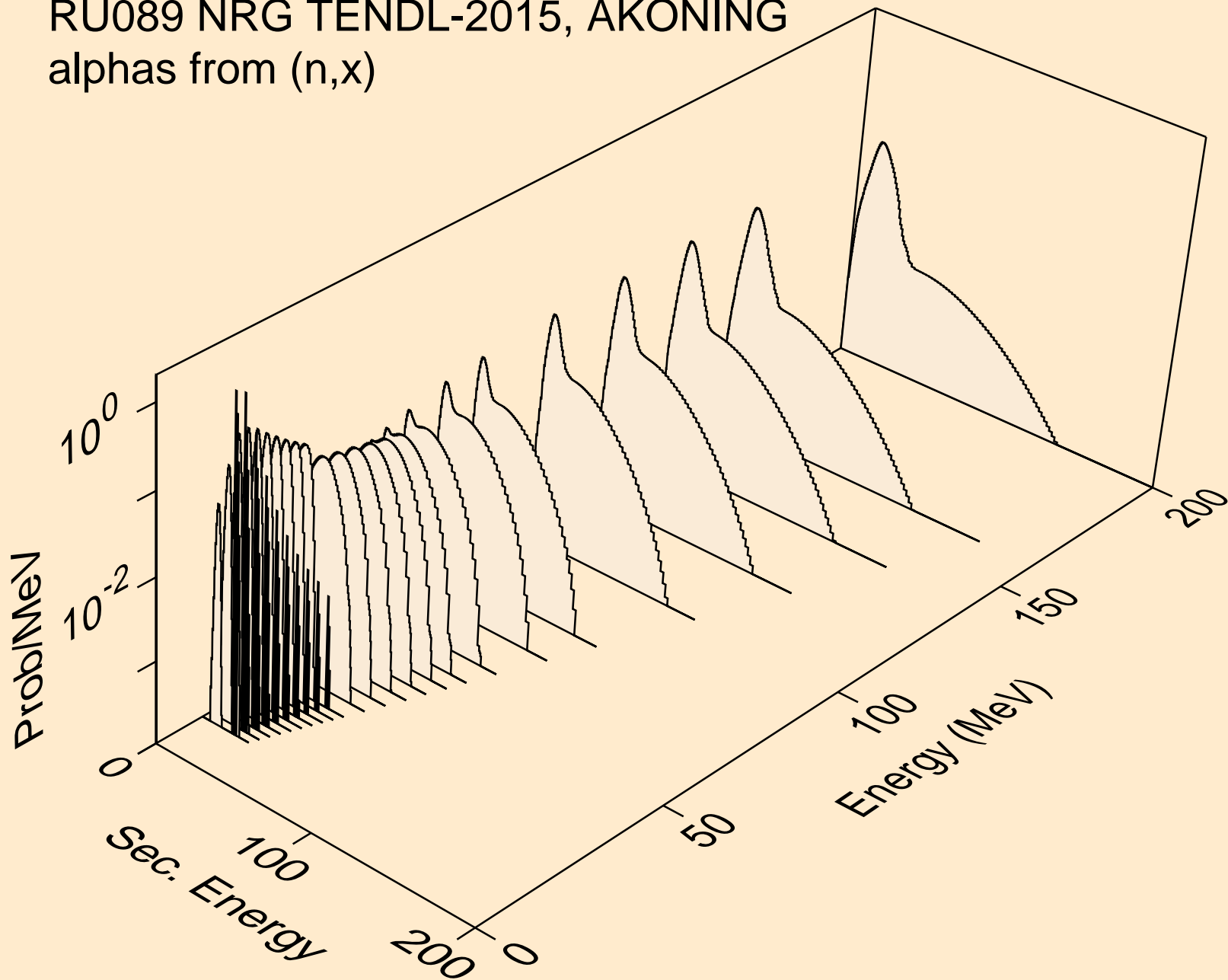
RU089 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



RU089 NRG TENDL-2015, AKONING  
he3s from (n,he3)

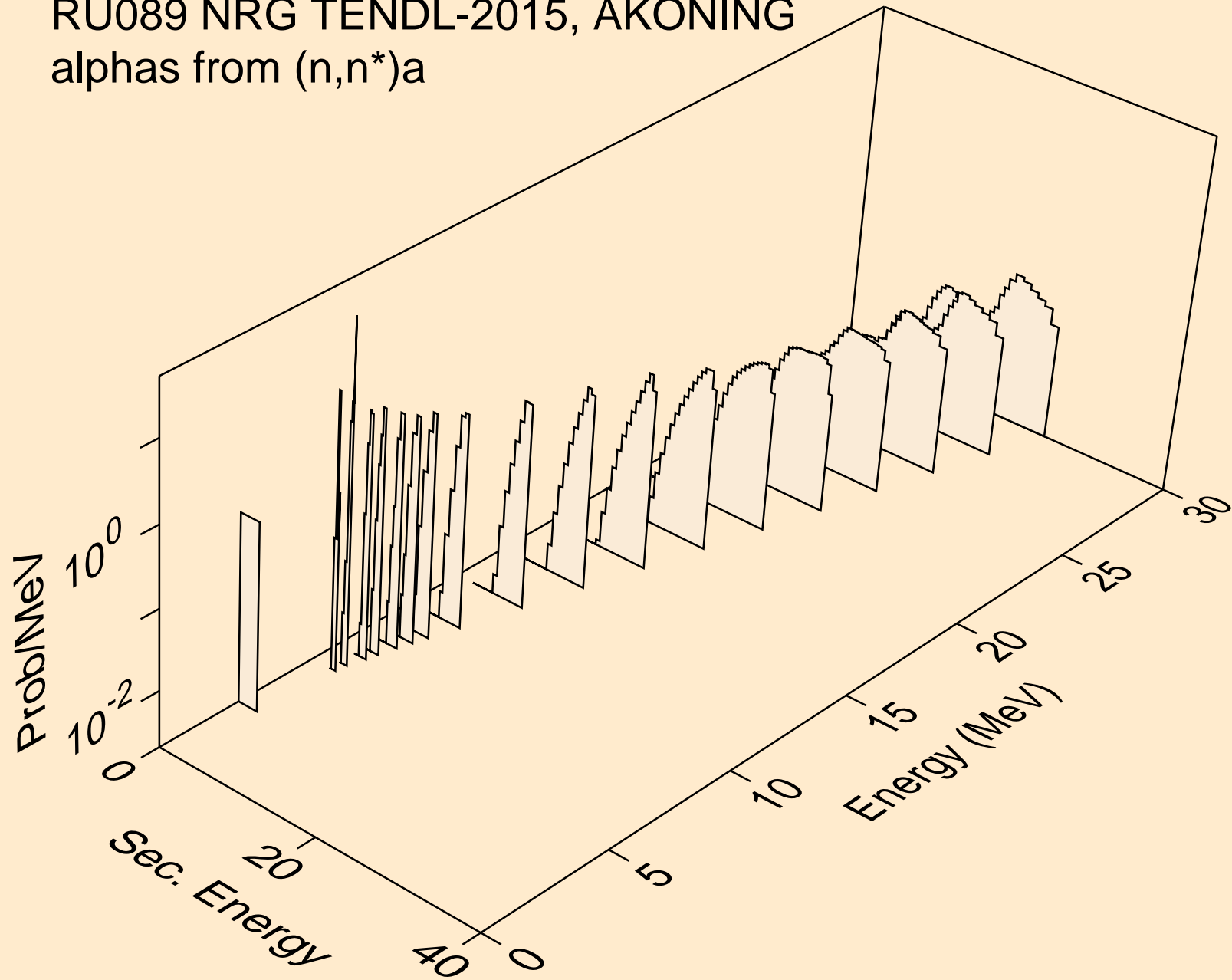


RU089 NRG TENDL-2015, AKONING  
alphas from (n,x)

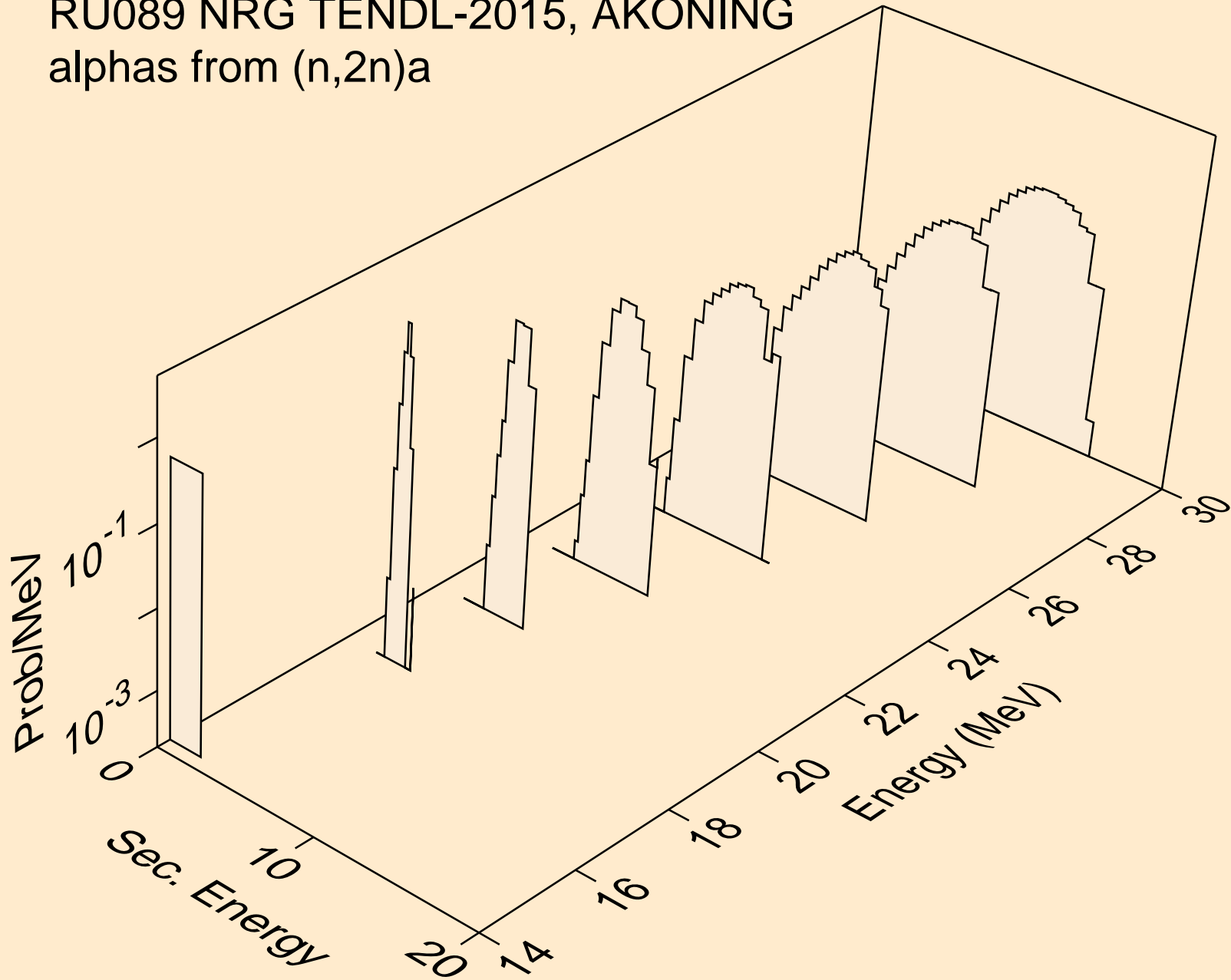




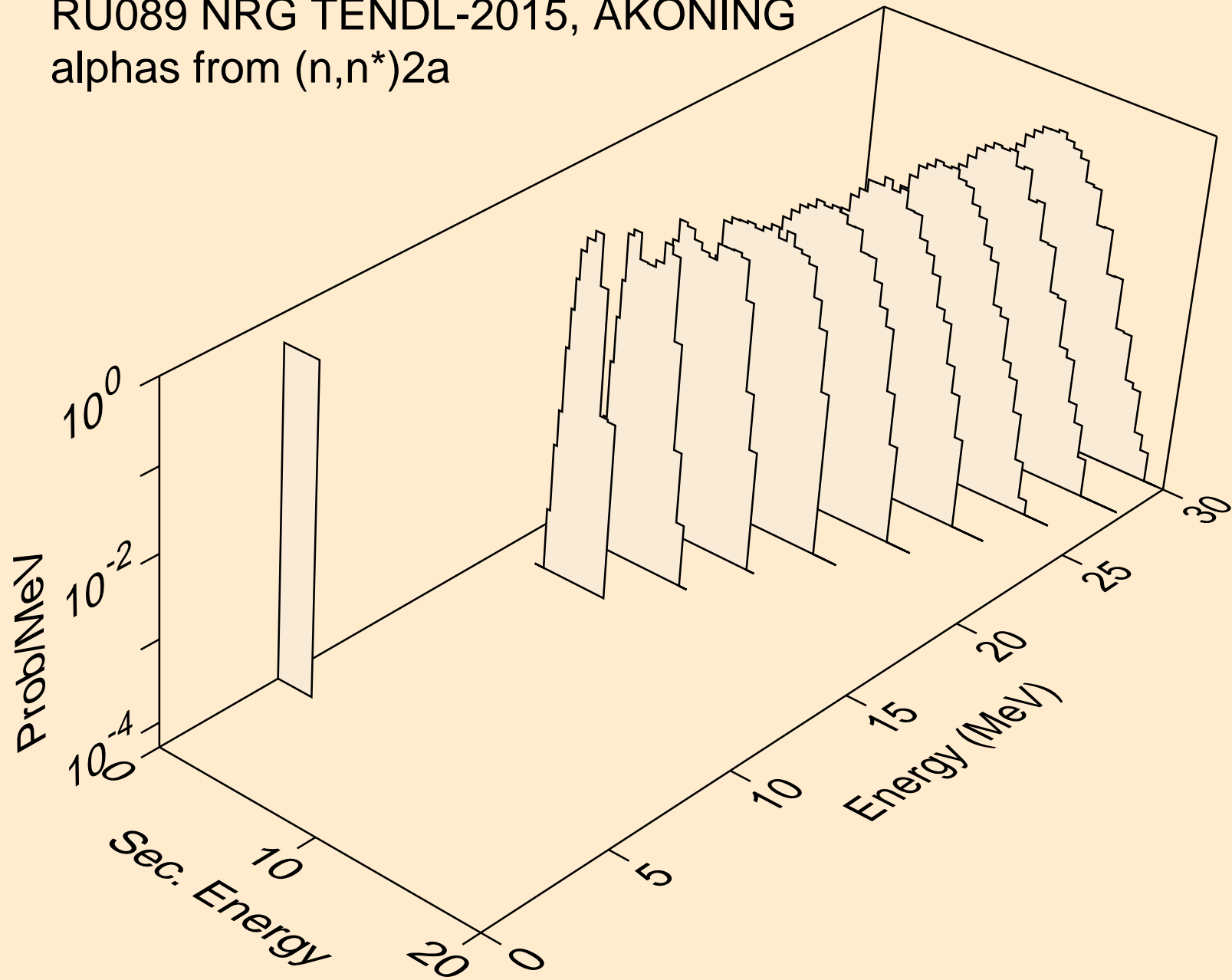
RU089 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



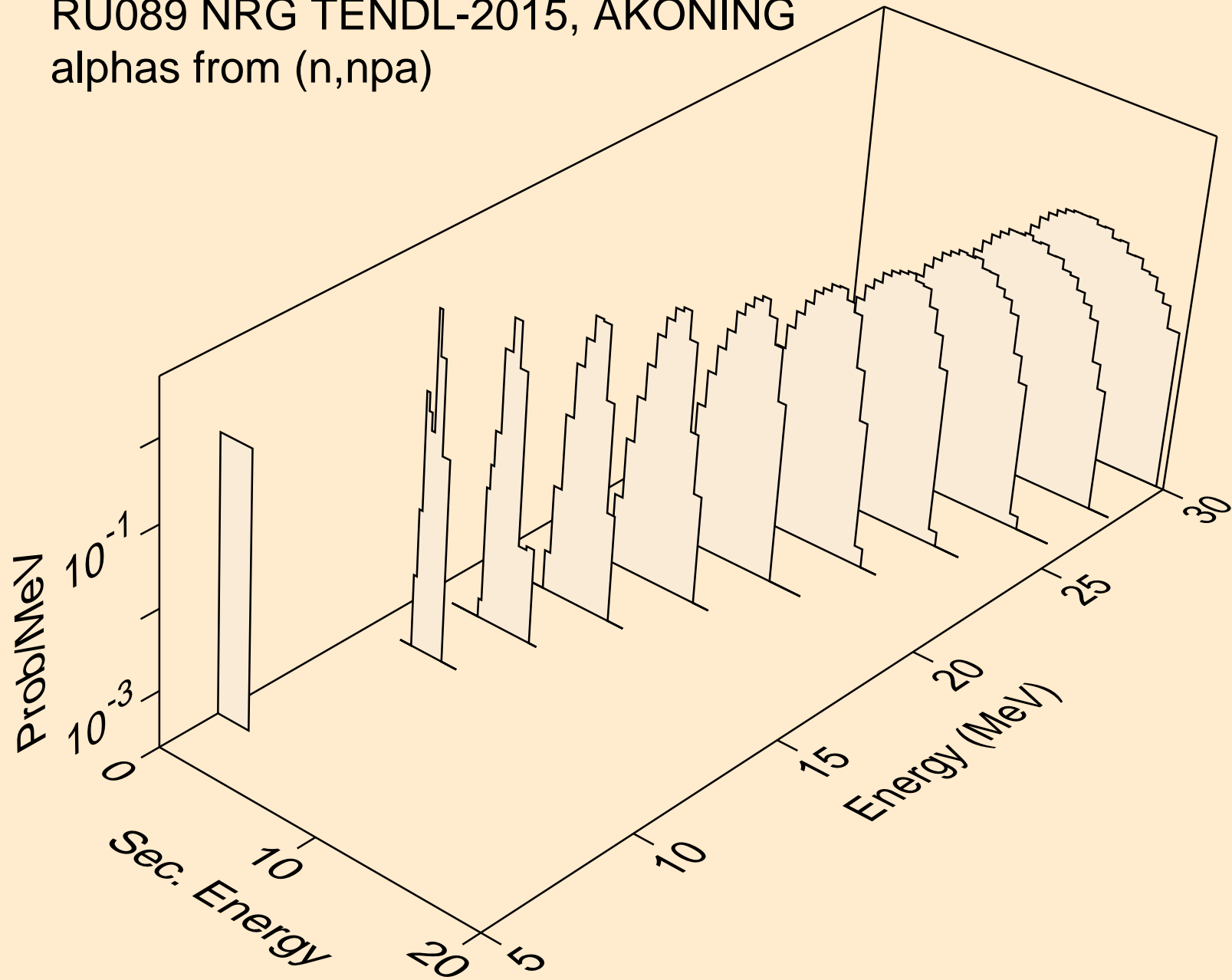
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alphas from (n,2n)a



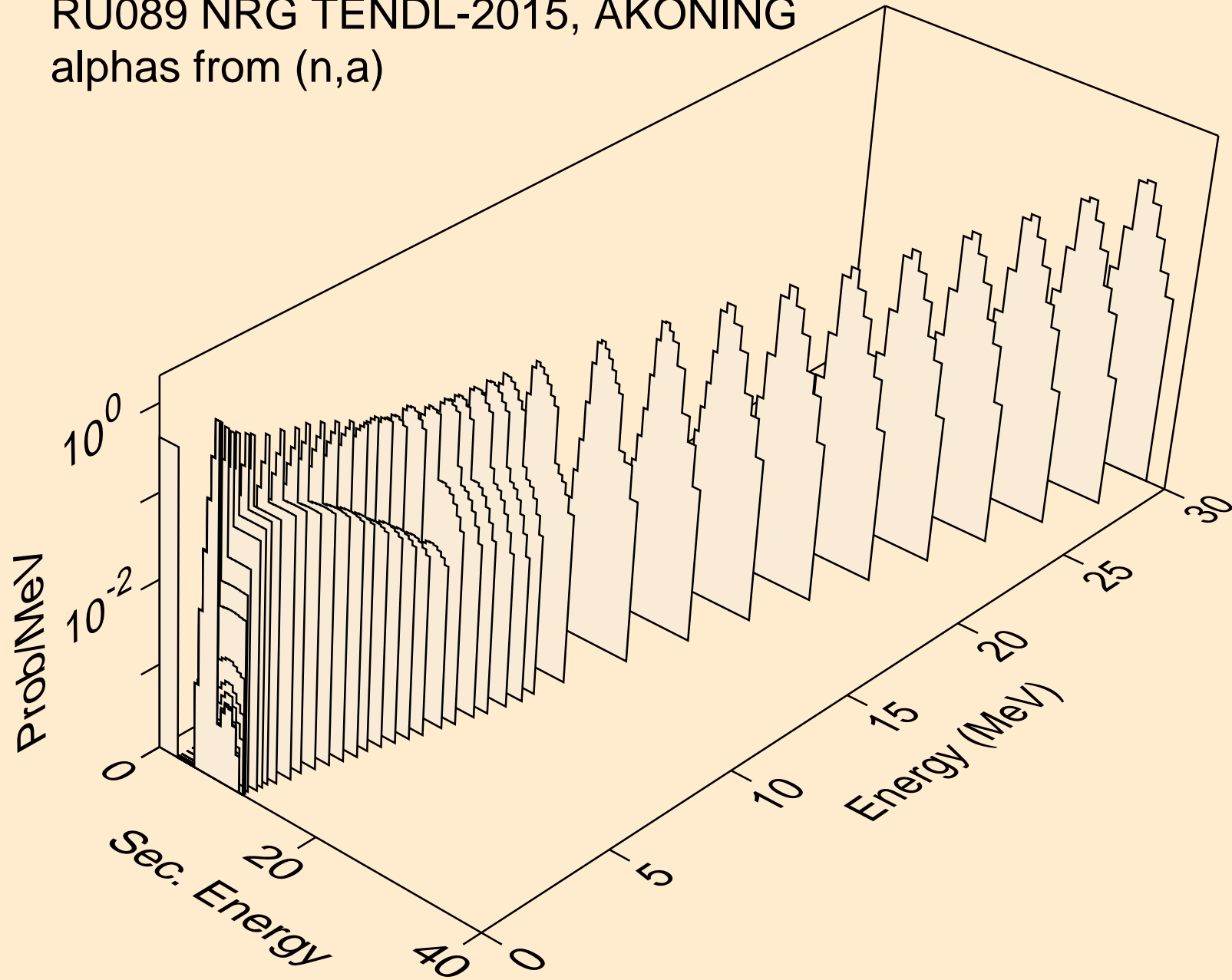
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alphas from (n,n\*)2a



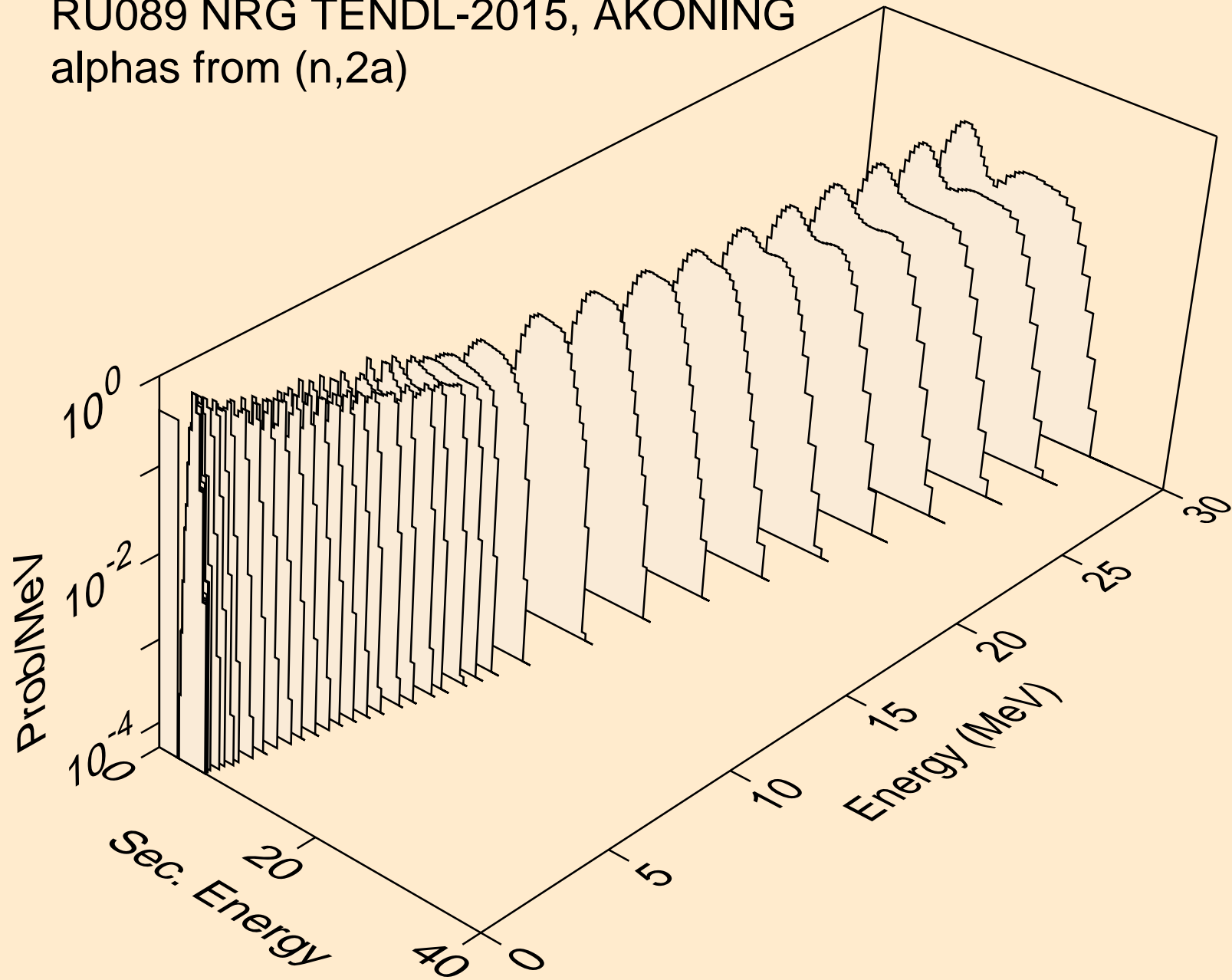
RU089 NRG TENDL-2015, AKONING  
alphas from (n,npa)



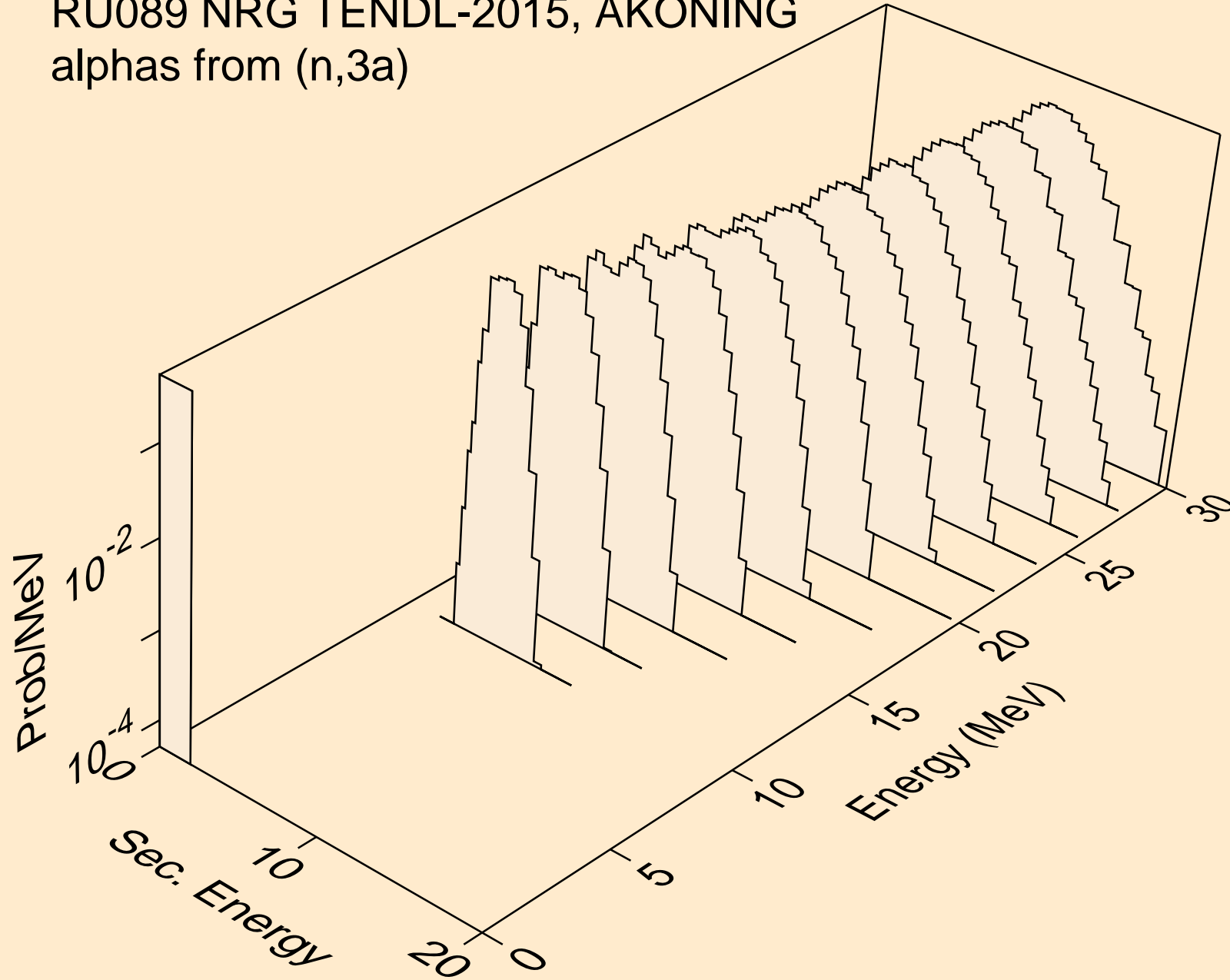
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alphas from (n,a)



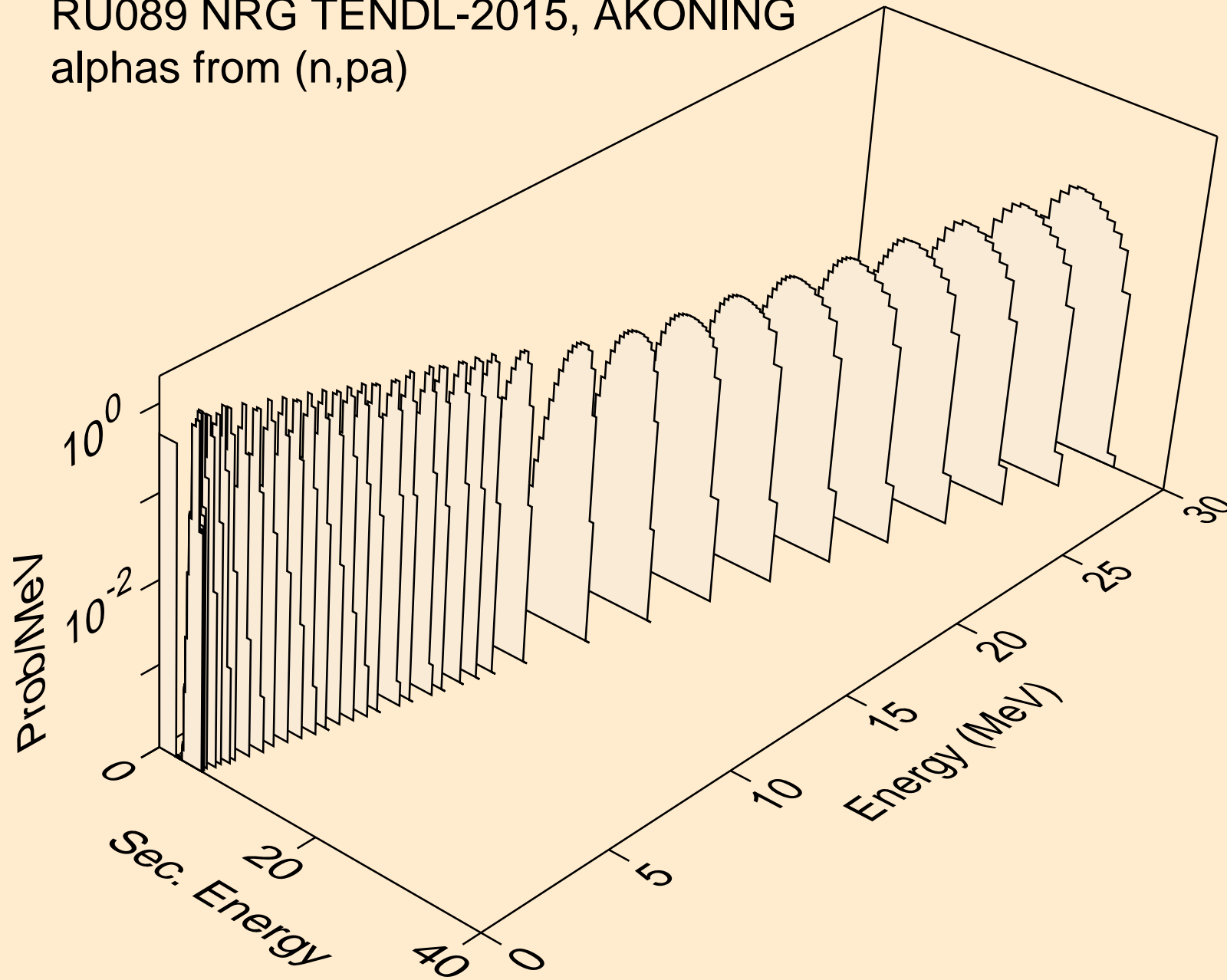
RU089 NRG TENDL-2015, AKONING  
alphas from (n,2a)



RU089 NRG TENDL-2015, AKONING  
alphas from (n,3a)



RU089 NRG TENDL-2015, AKONING  
alphas from (n,pa)





RU089 NRG TENDL-2015, AKONING  
alphas from (n,da)

