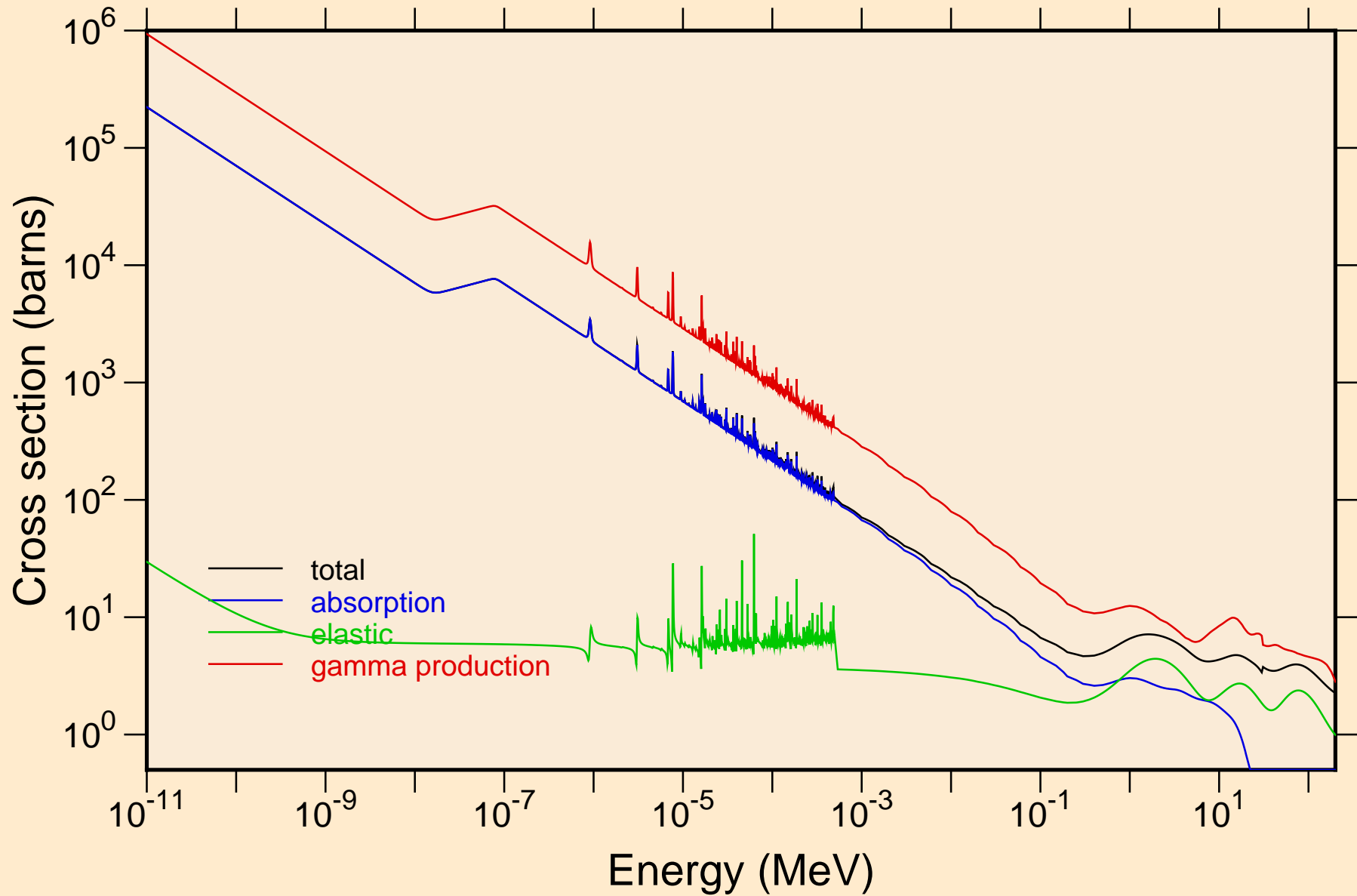
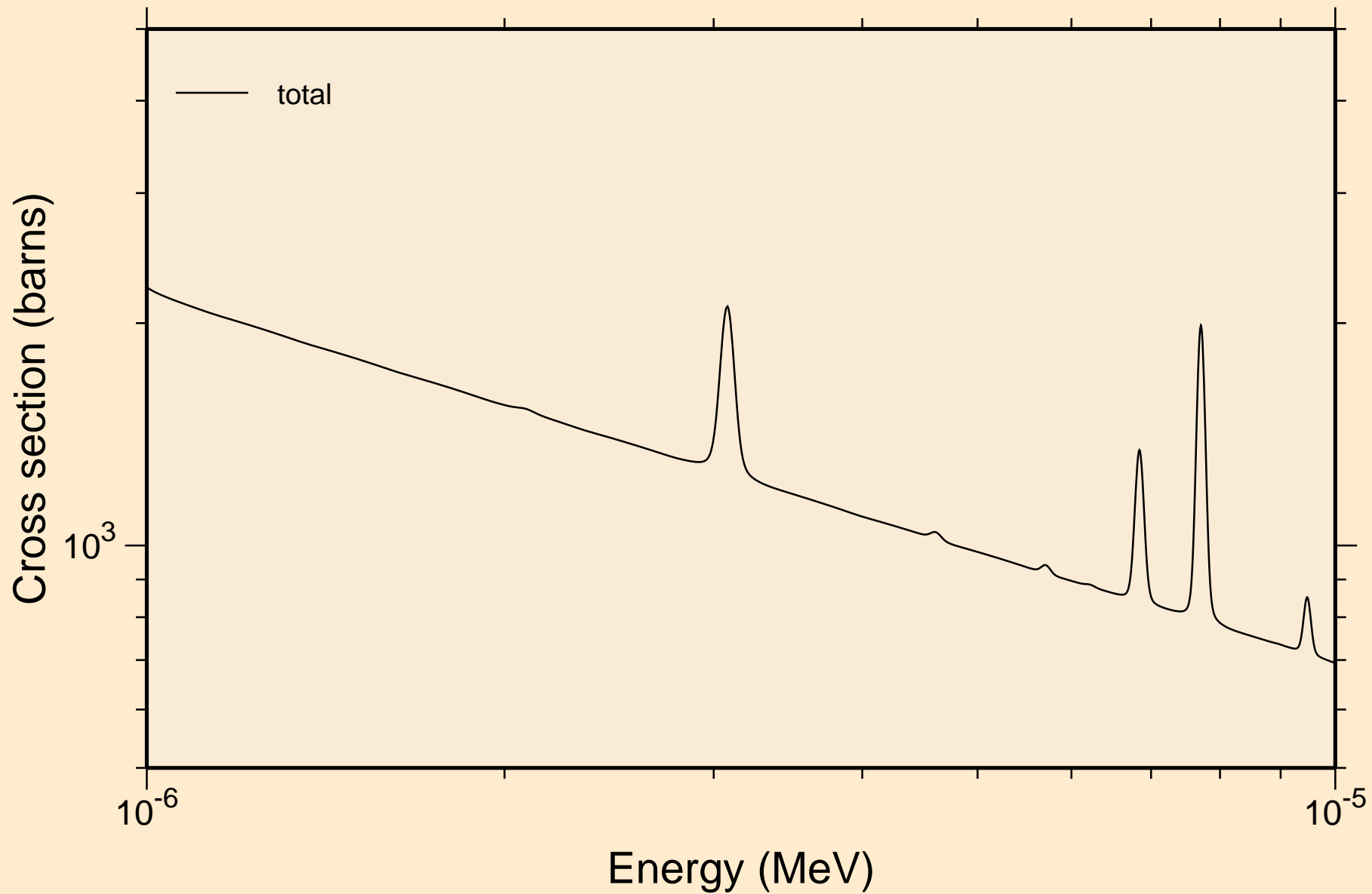


# GD139M NRG TENDL-2015, AKONING

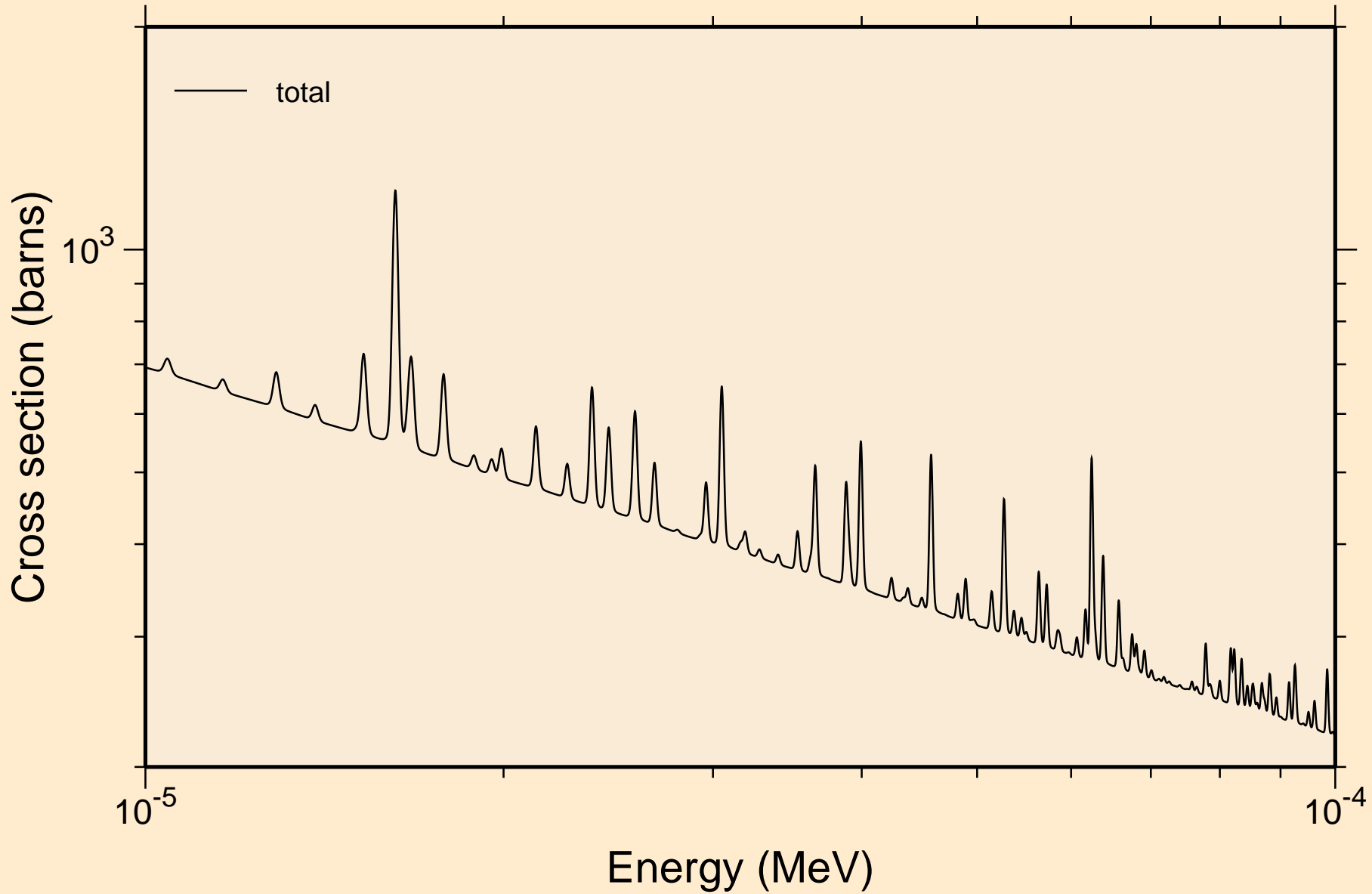
## Principal cross sections



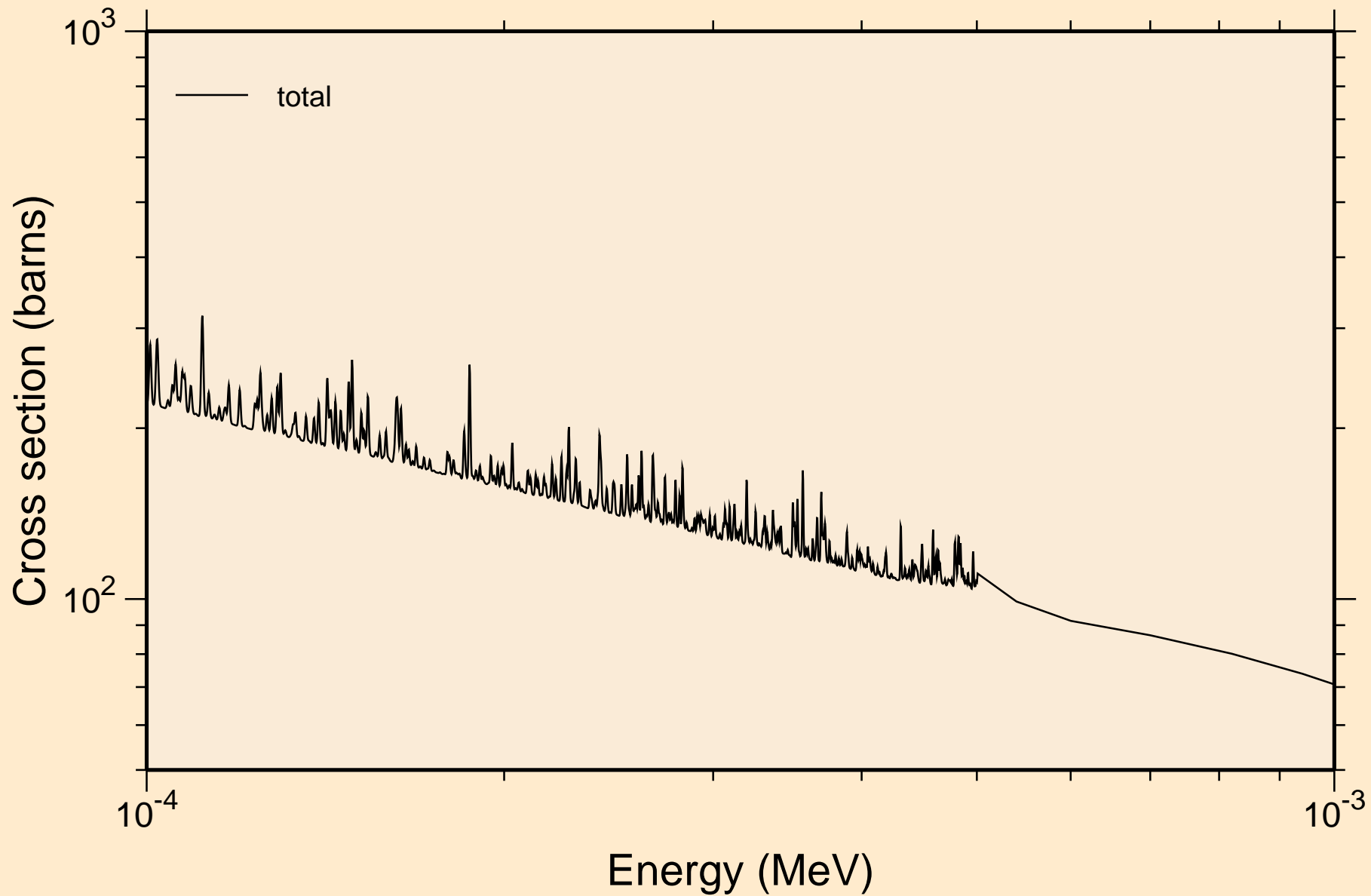
GD139M NRG TENDL-2015, AKONING  
resonance total cross section



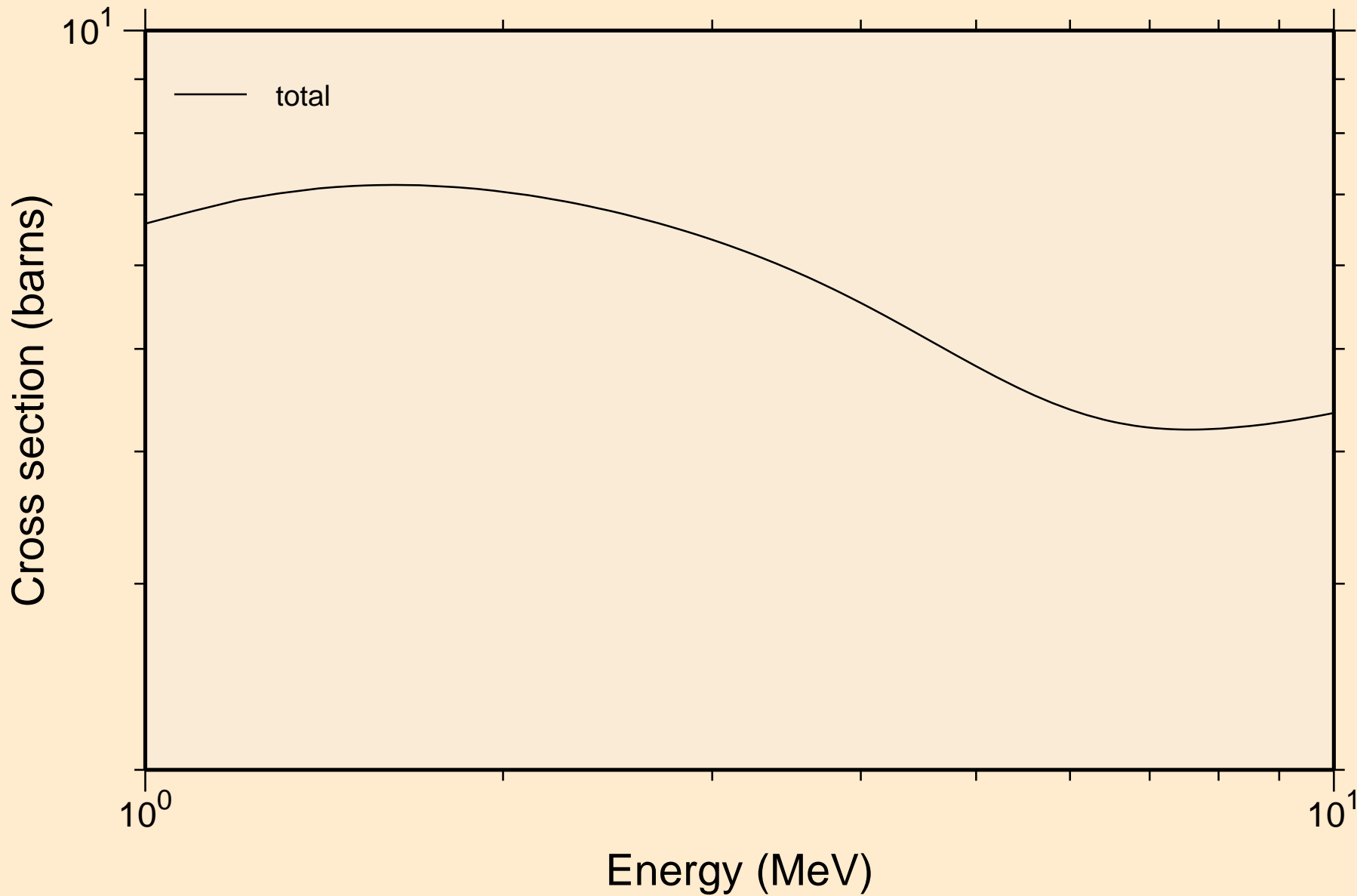
GD139M NRG TENDL-2015, AKONING  
resonance total cross section



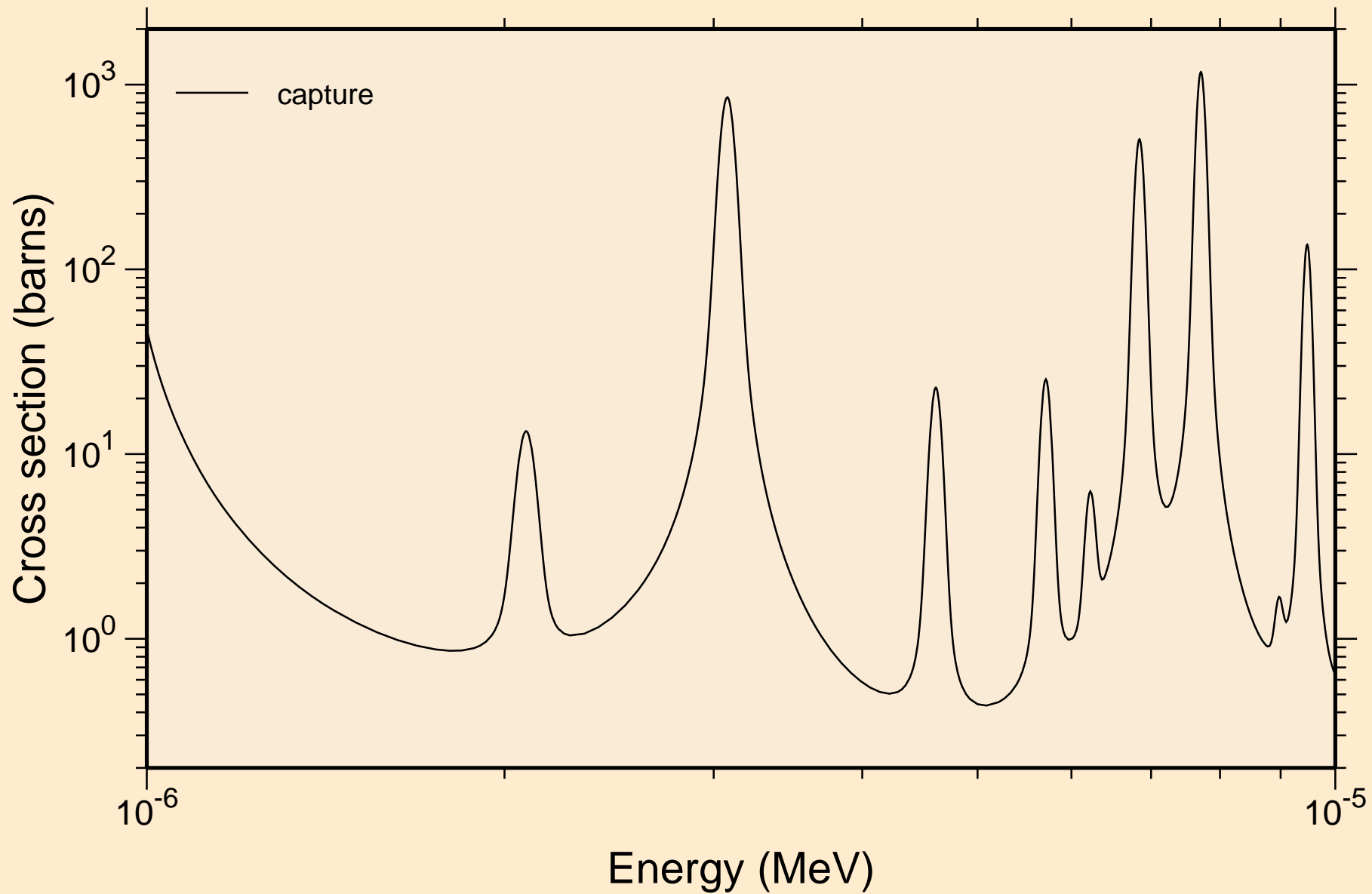
GD139M NRG TENDL-2015, AKONING  
resonance total cross section



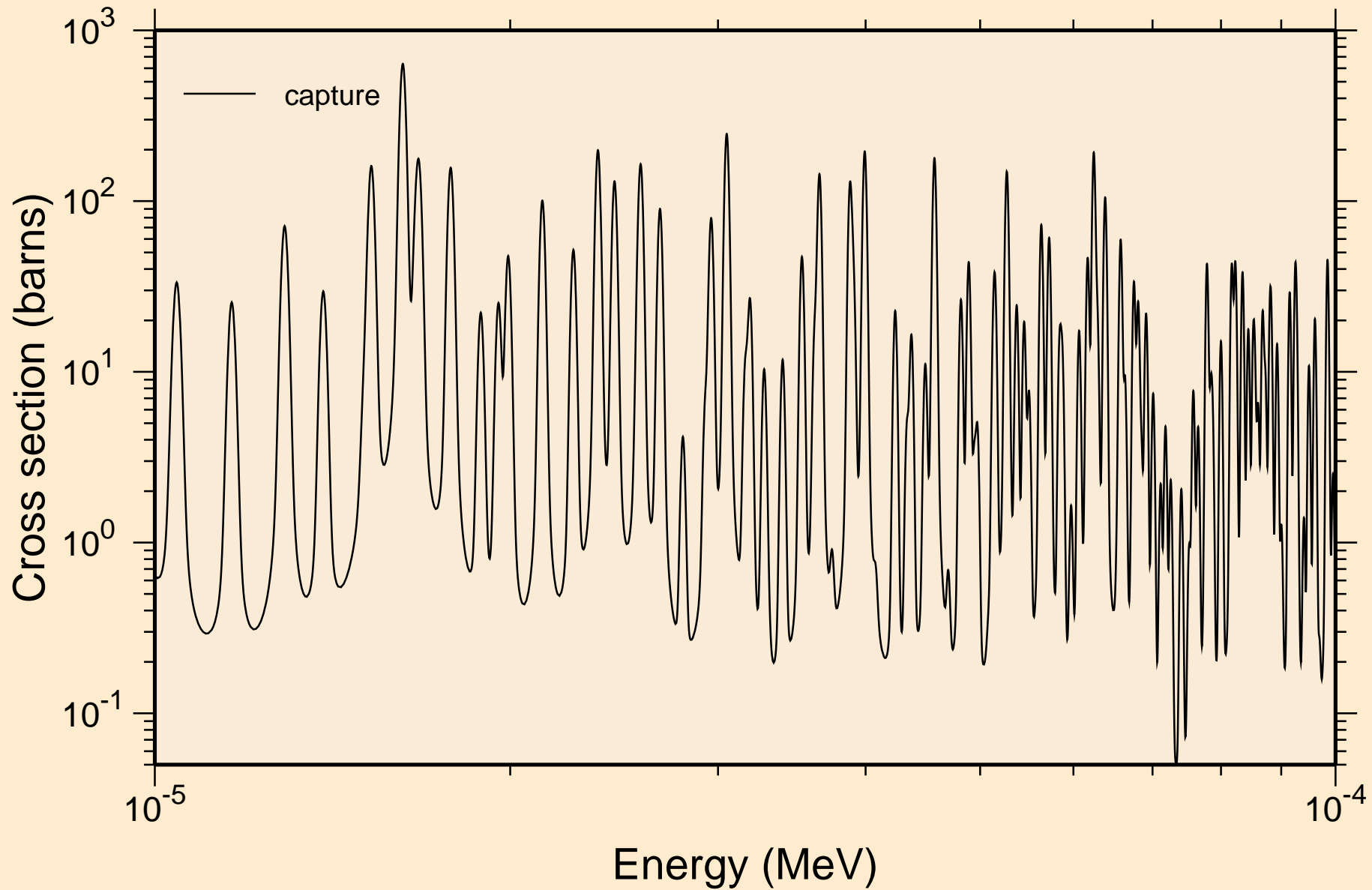
GD139M NRG TENDL-2015, AKONING  
resonance total cross section



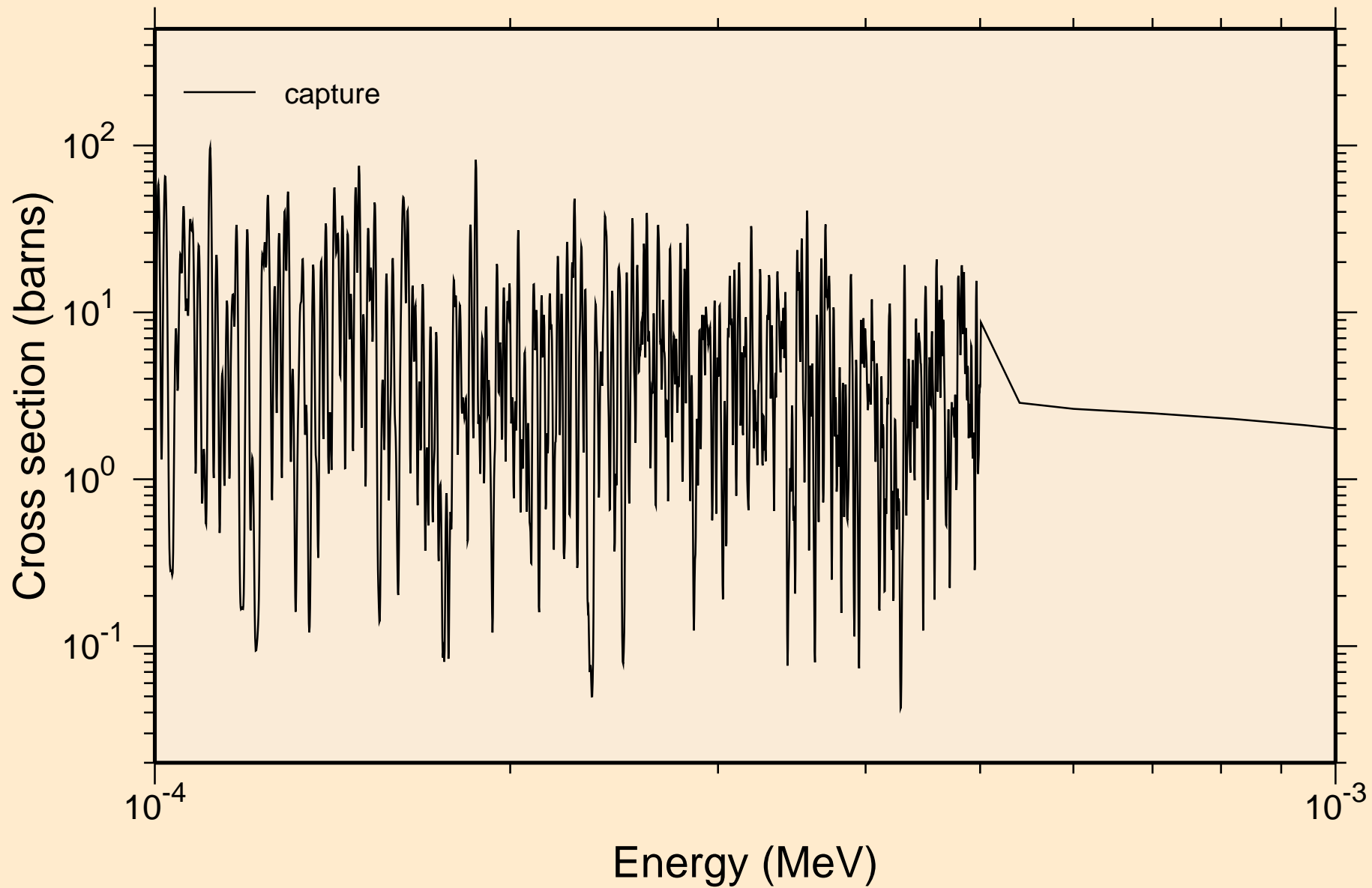
GD139M NRG TENDL-2015, AKONING  
resonance absorption cross sections



# GD139M NRG TENDL-2015, AKONING resonance absorption cross sections

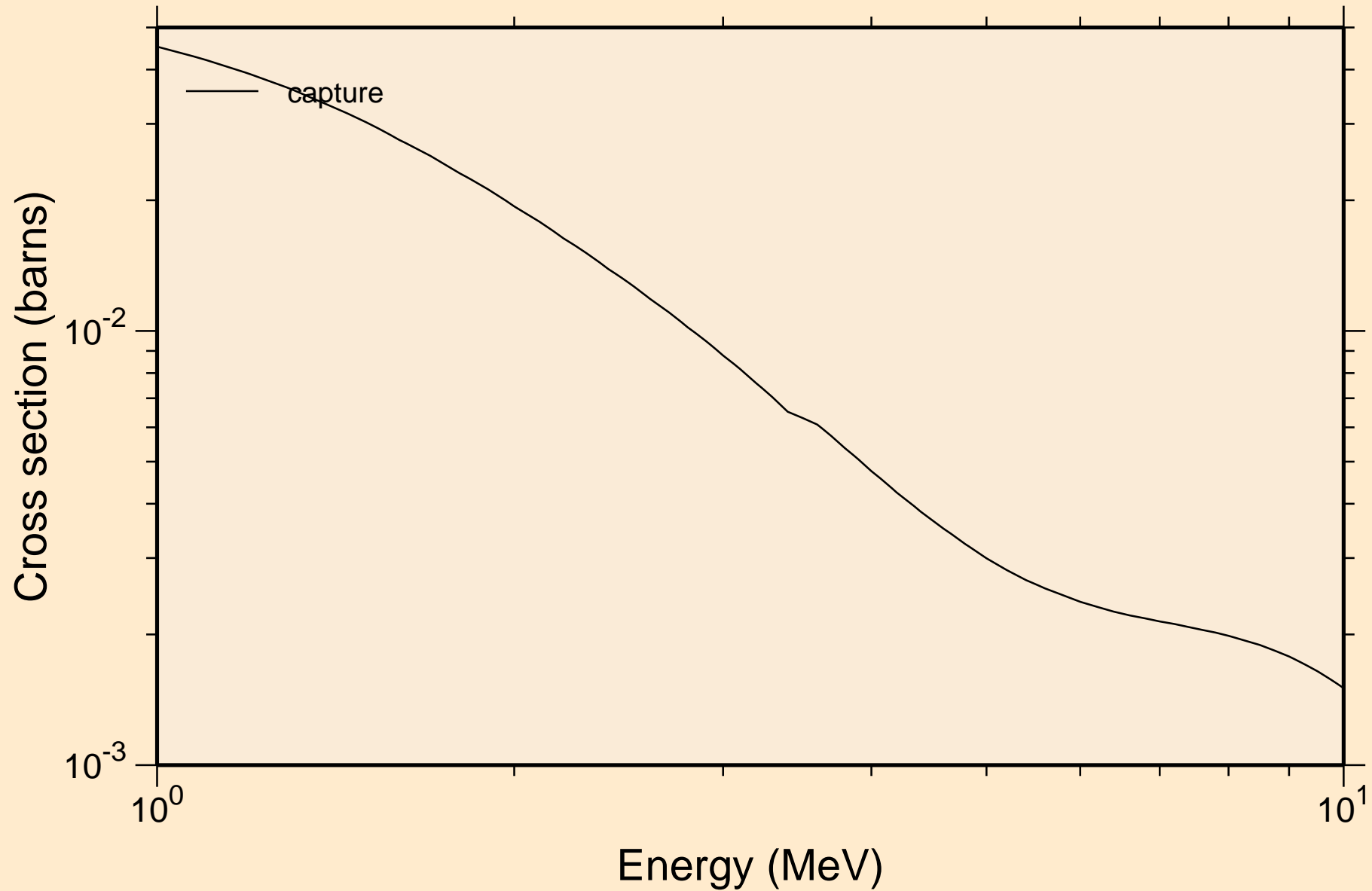


GD139M NRG TENDL-2015, AKONING  
resonance absorption cross sections



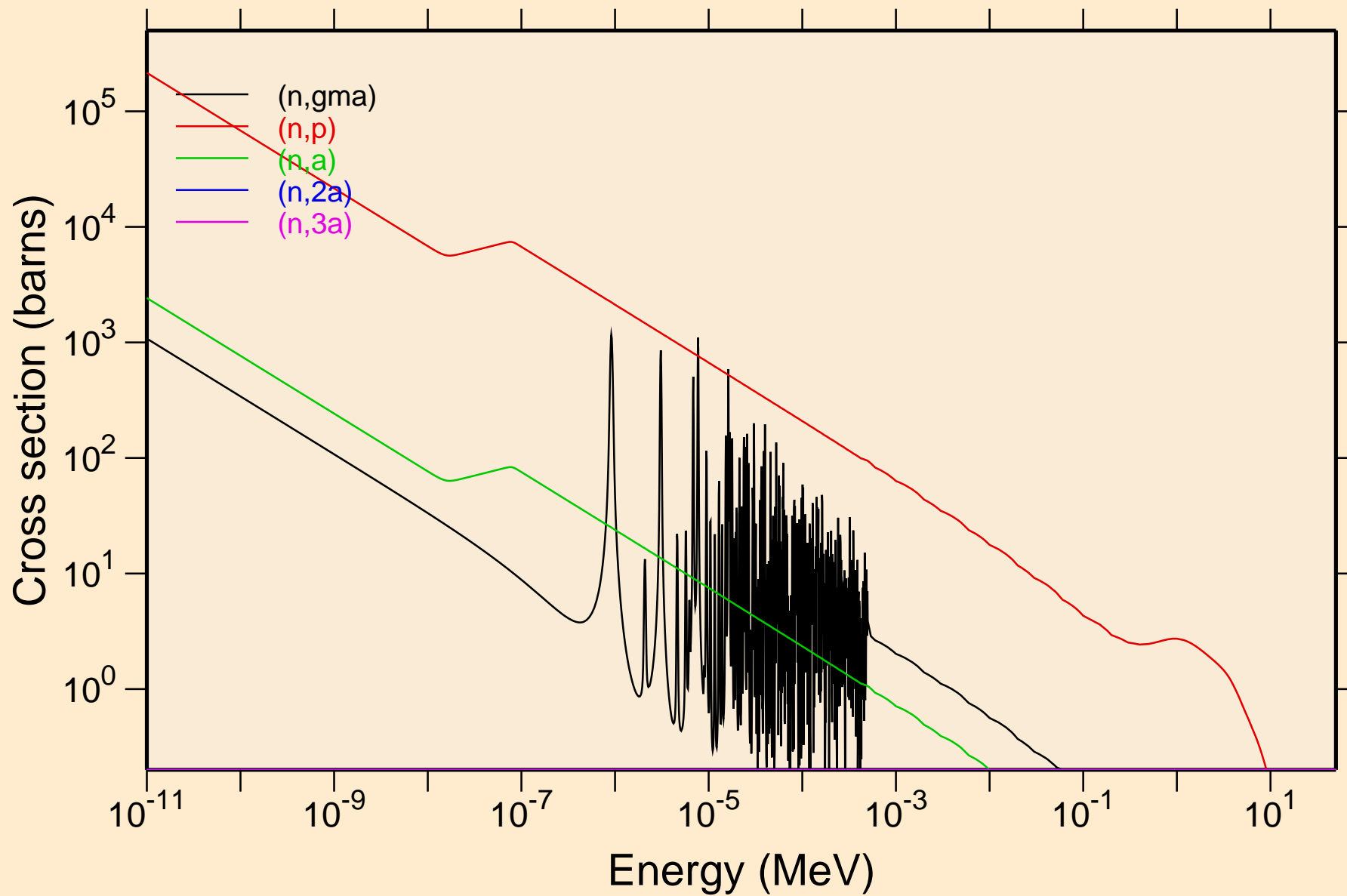


GD139M NRG TENDL-2015, AKONING  
resonance absorption cross sections

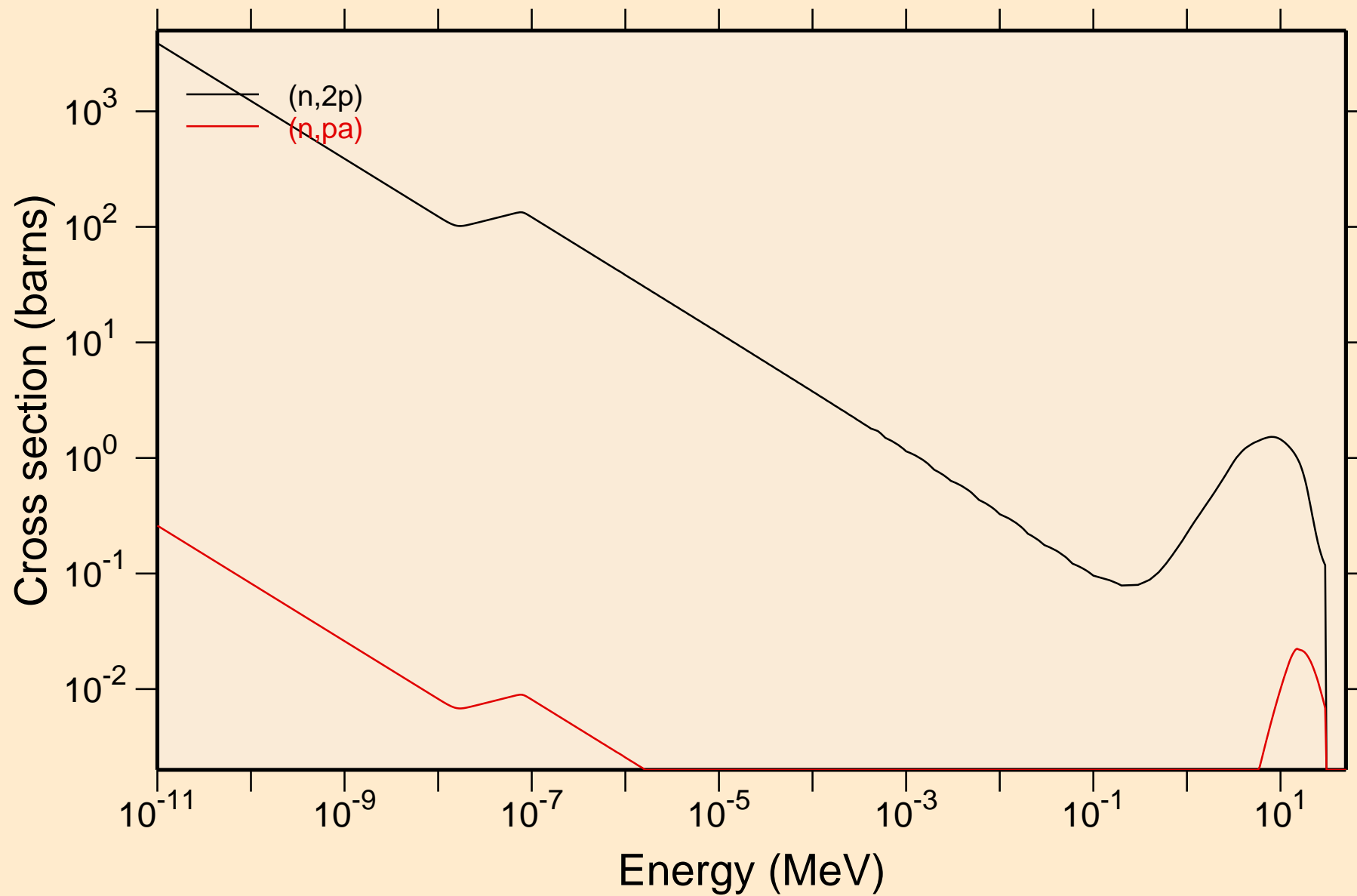


# GD139M NRG TENDL-2015, AKONING

## Non-threshold reactions

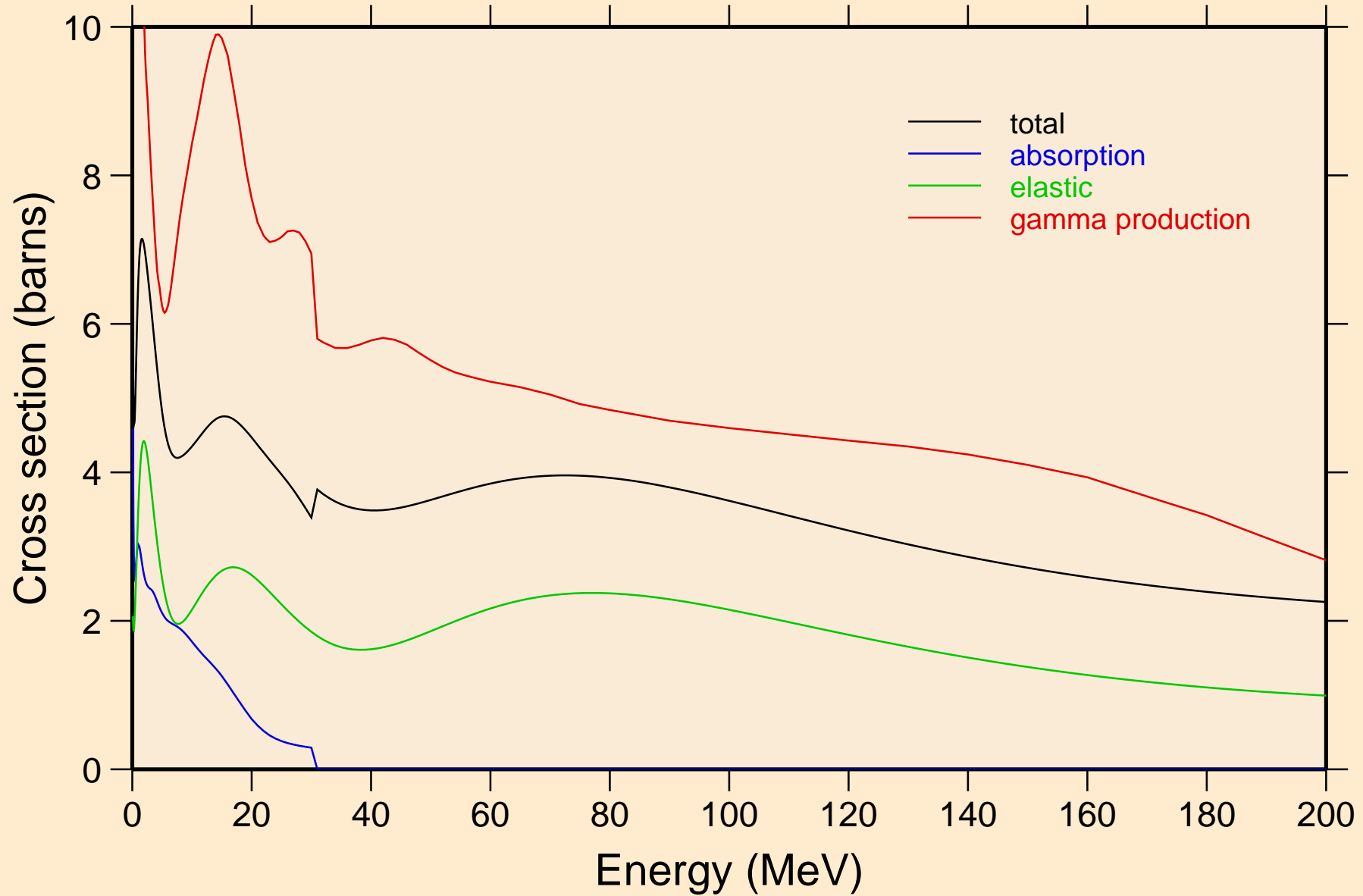


GD139M NRG TENDL-2015, AKONING  
Non-threshold reactions



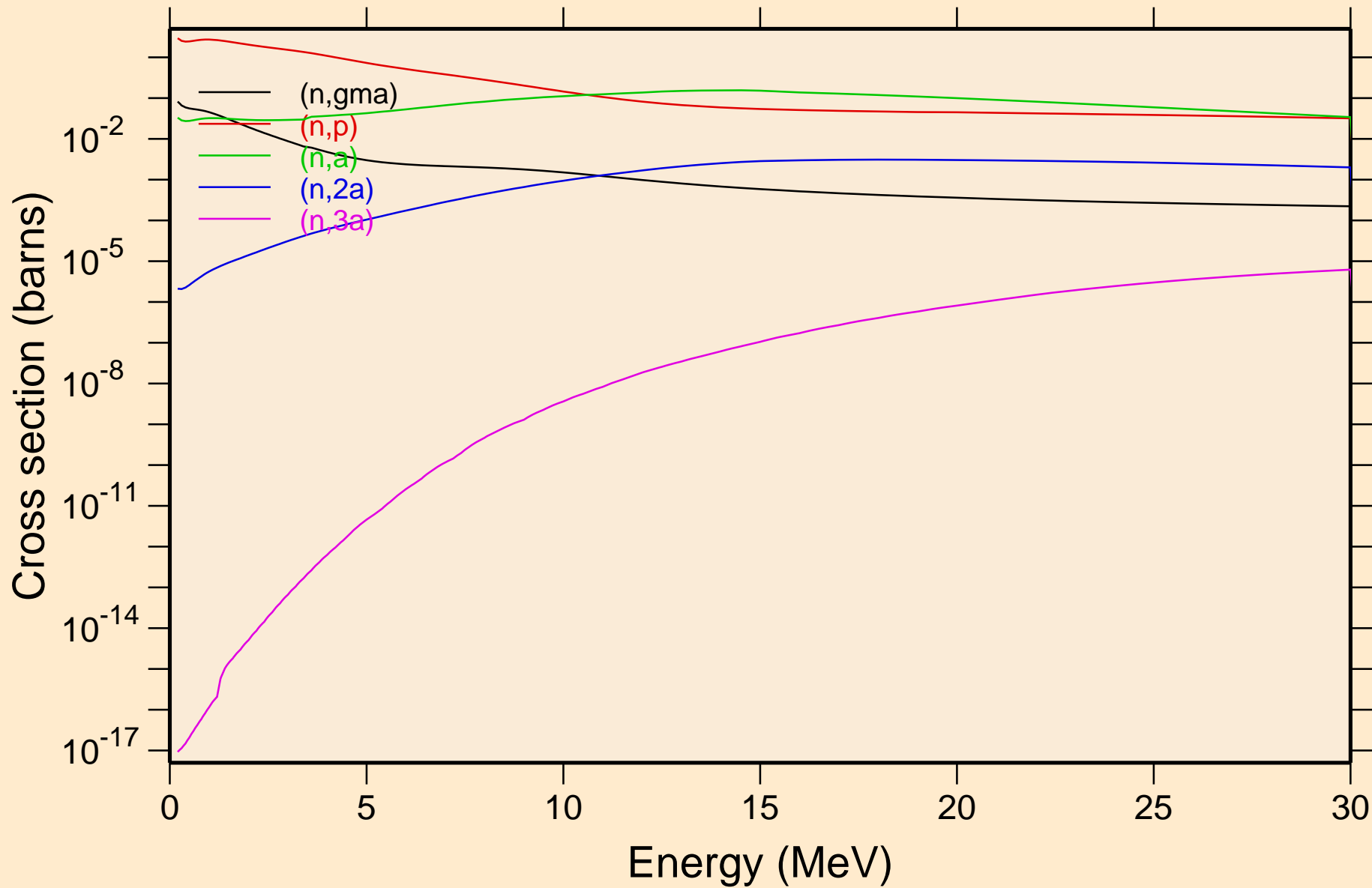
# GD139M NRG TENDL-2015, AKONING

## Principal cross sections

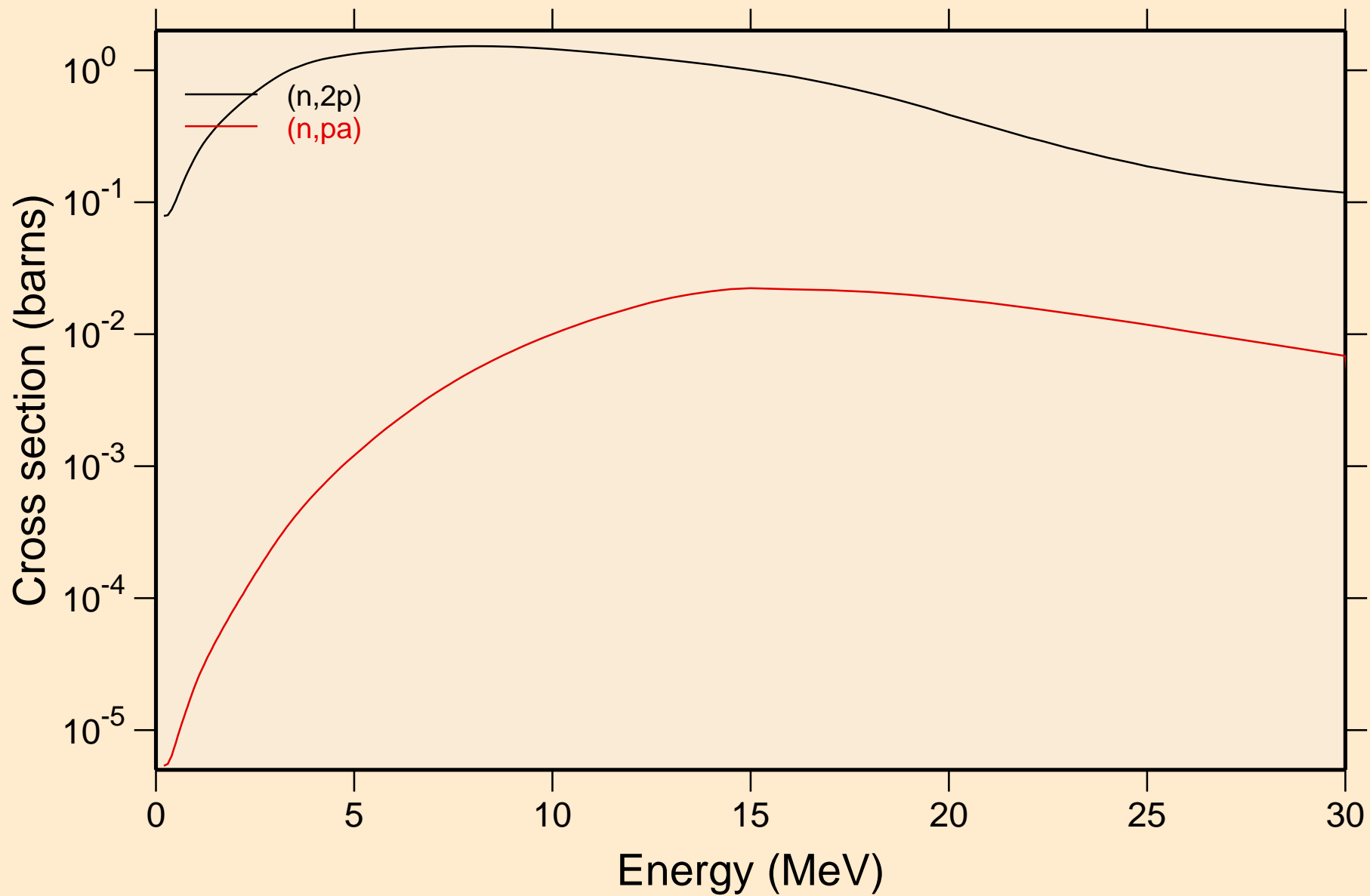


# GD139M NRG TENDL-2015, AKONING

## Non-threshold reactions

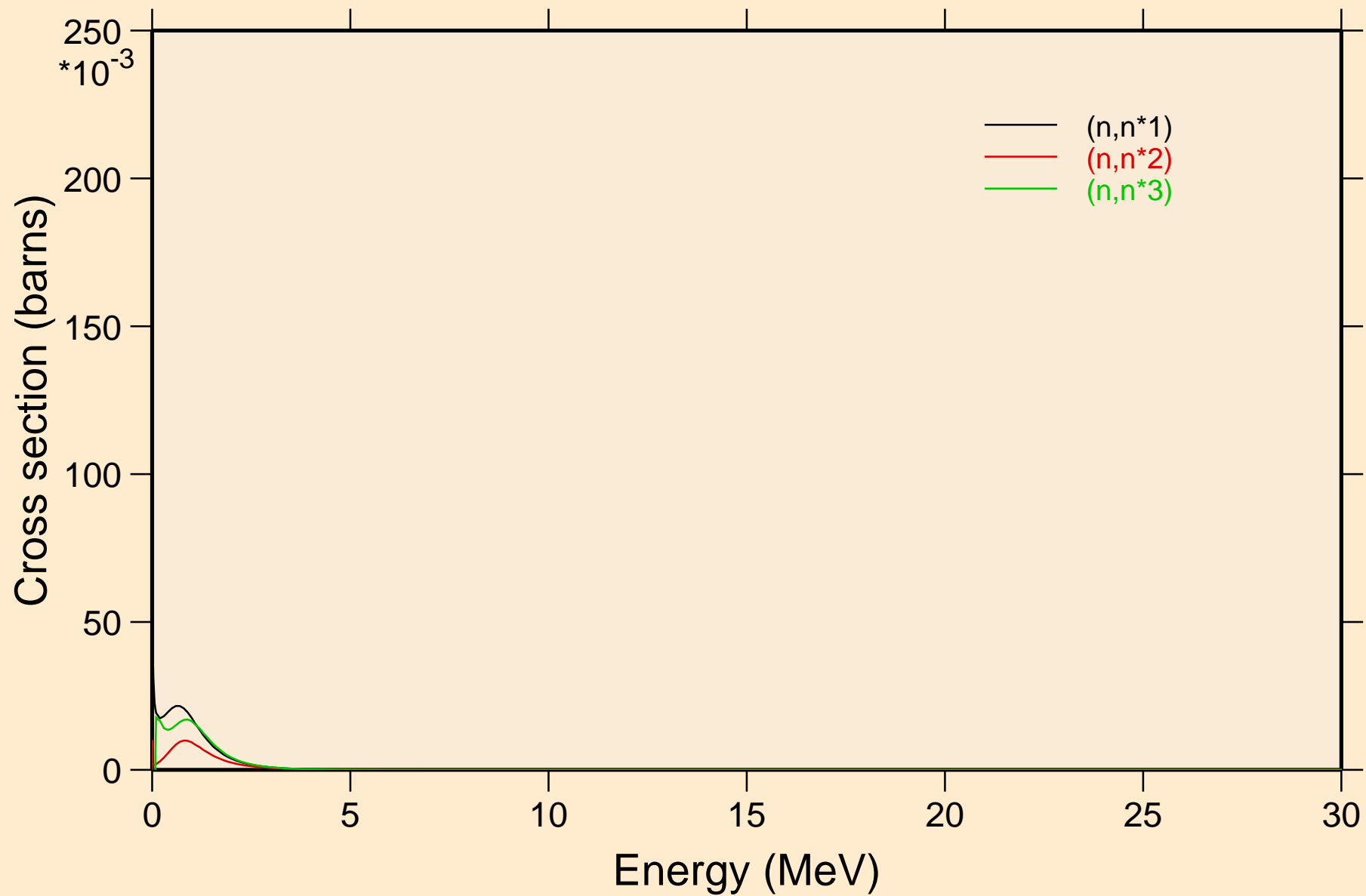


GD139M NRG TENDL-2015, AKONING  
Non-threshold reactions



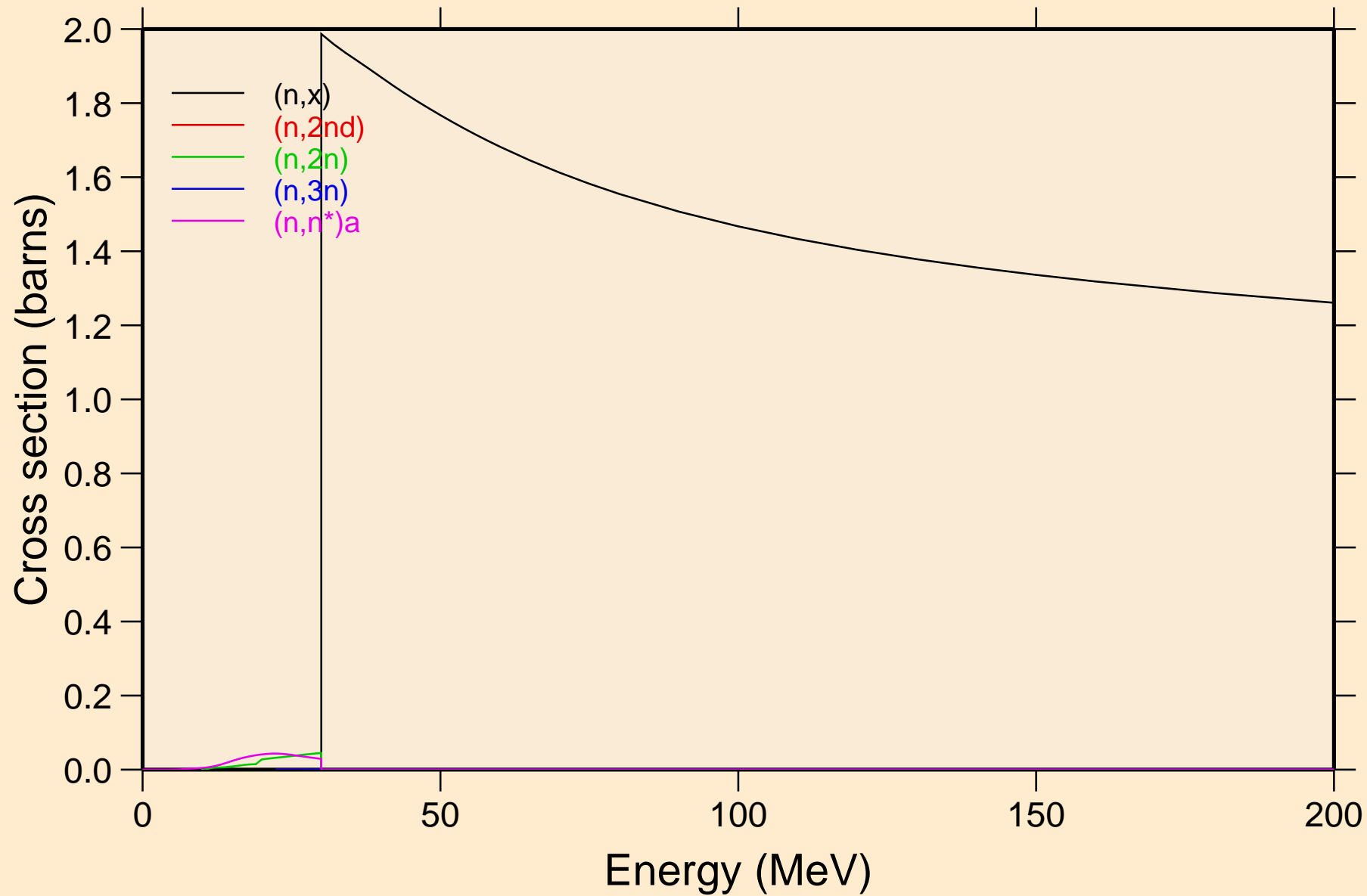
# GD139M NRG TENDL-2015, AKONING

## Inelastic levels



# GD139M NRG TENDL-2015, AKONING

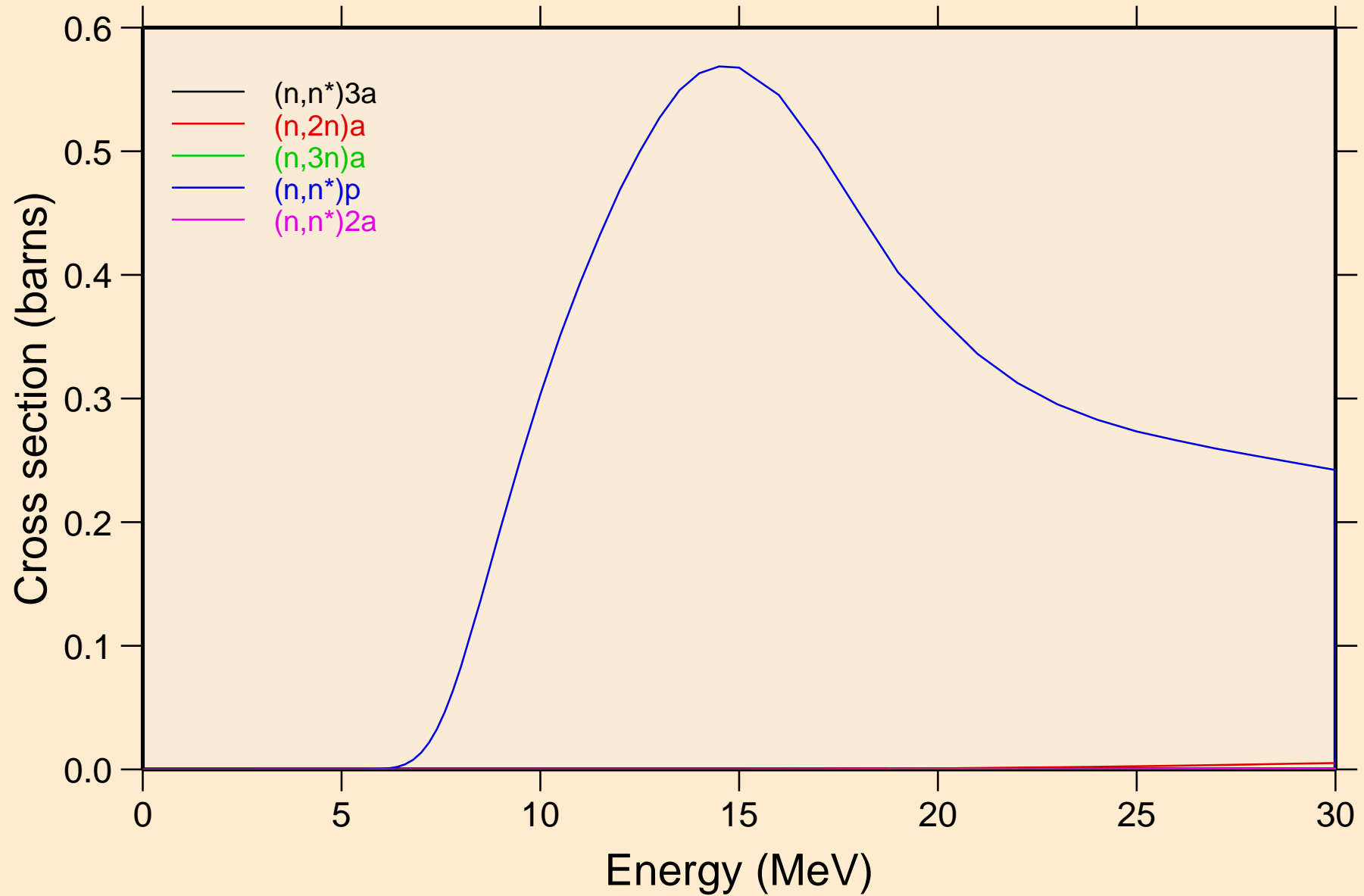
## Threshold reactions





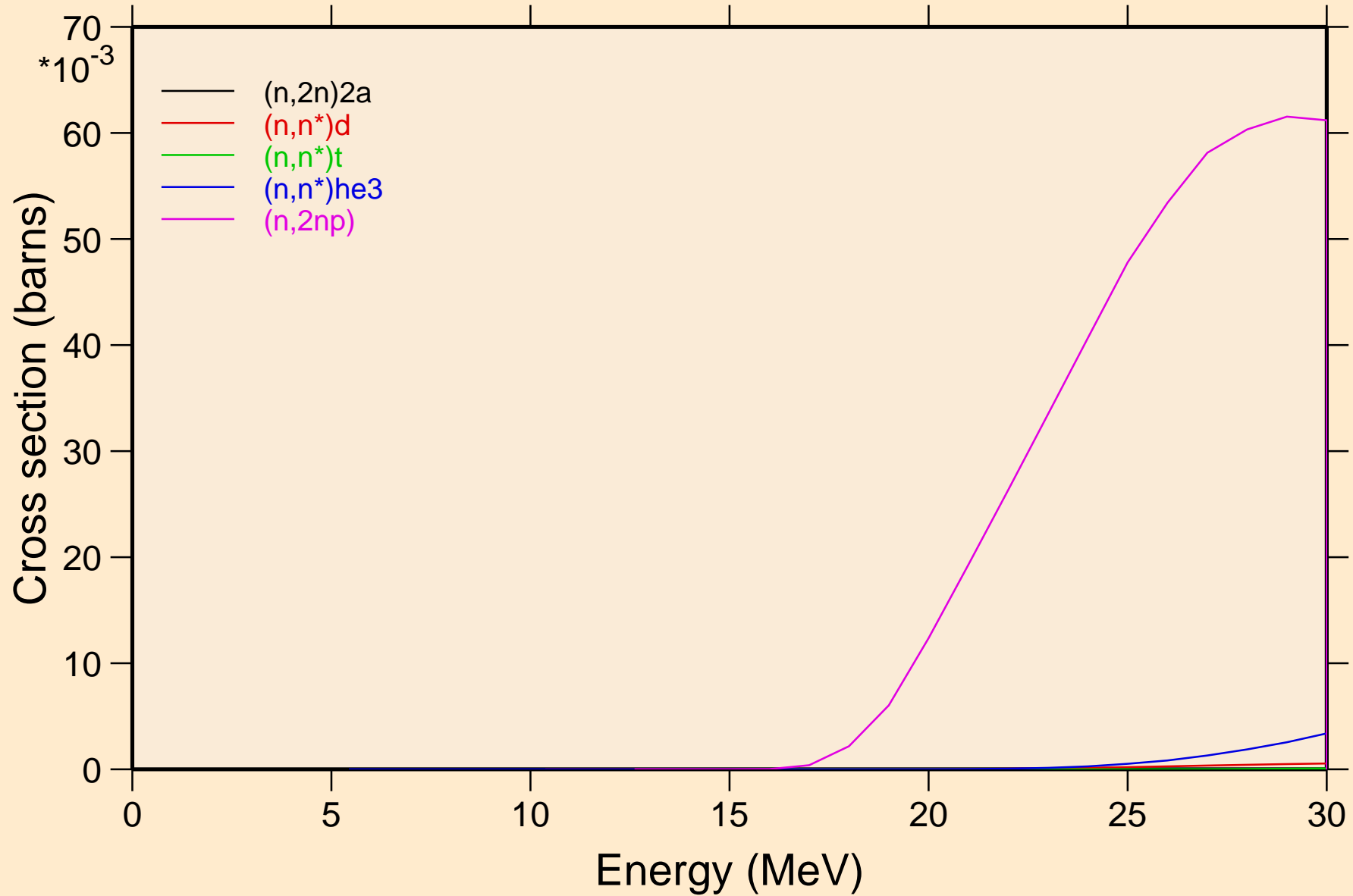
# GD139M NRG TENDL-2015, AKONING

## Threshold reactions



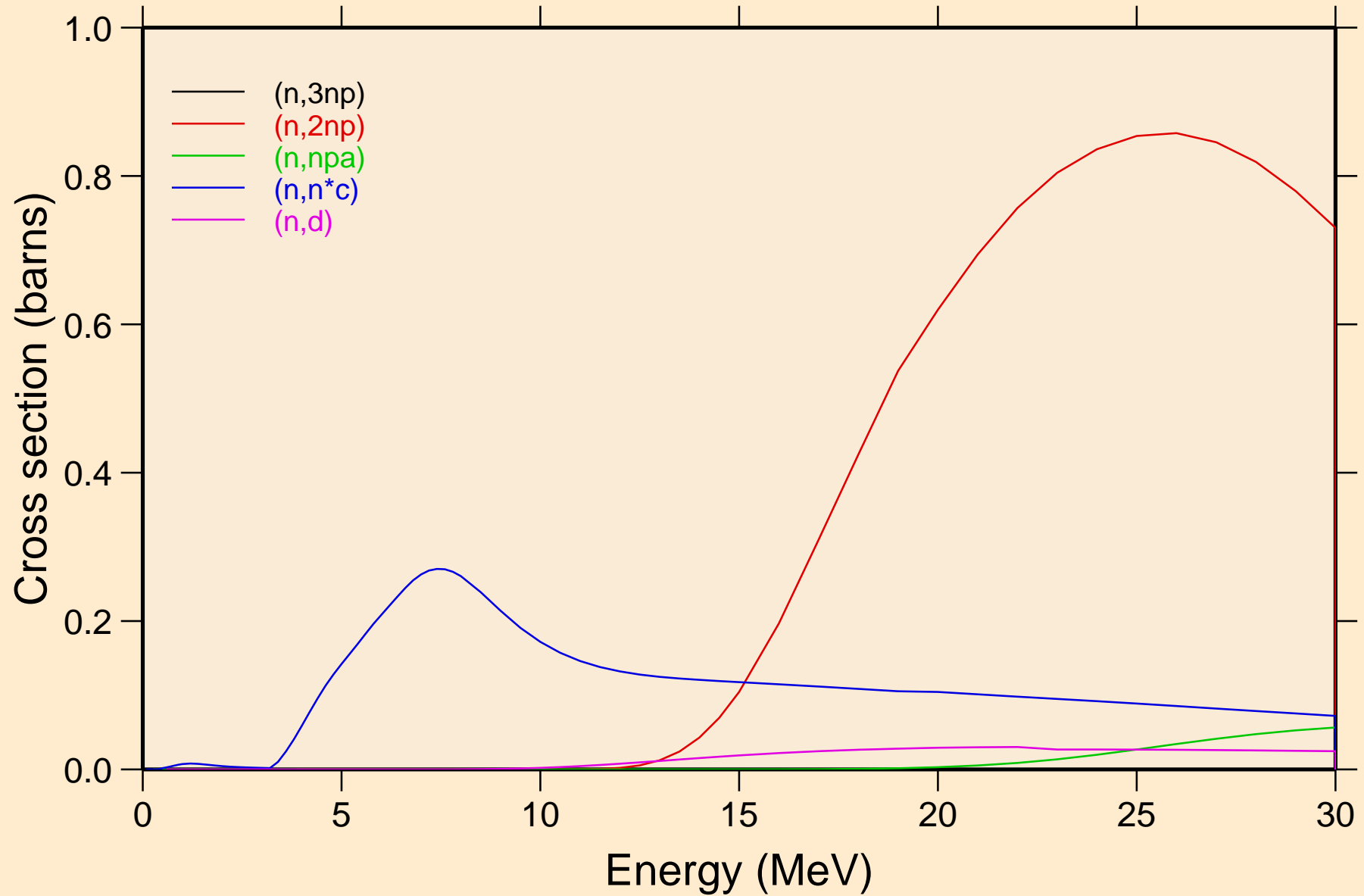
# GD139M NRG TENDL-2015, AKONING

## Threshold reactions



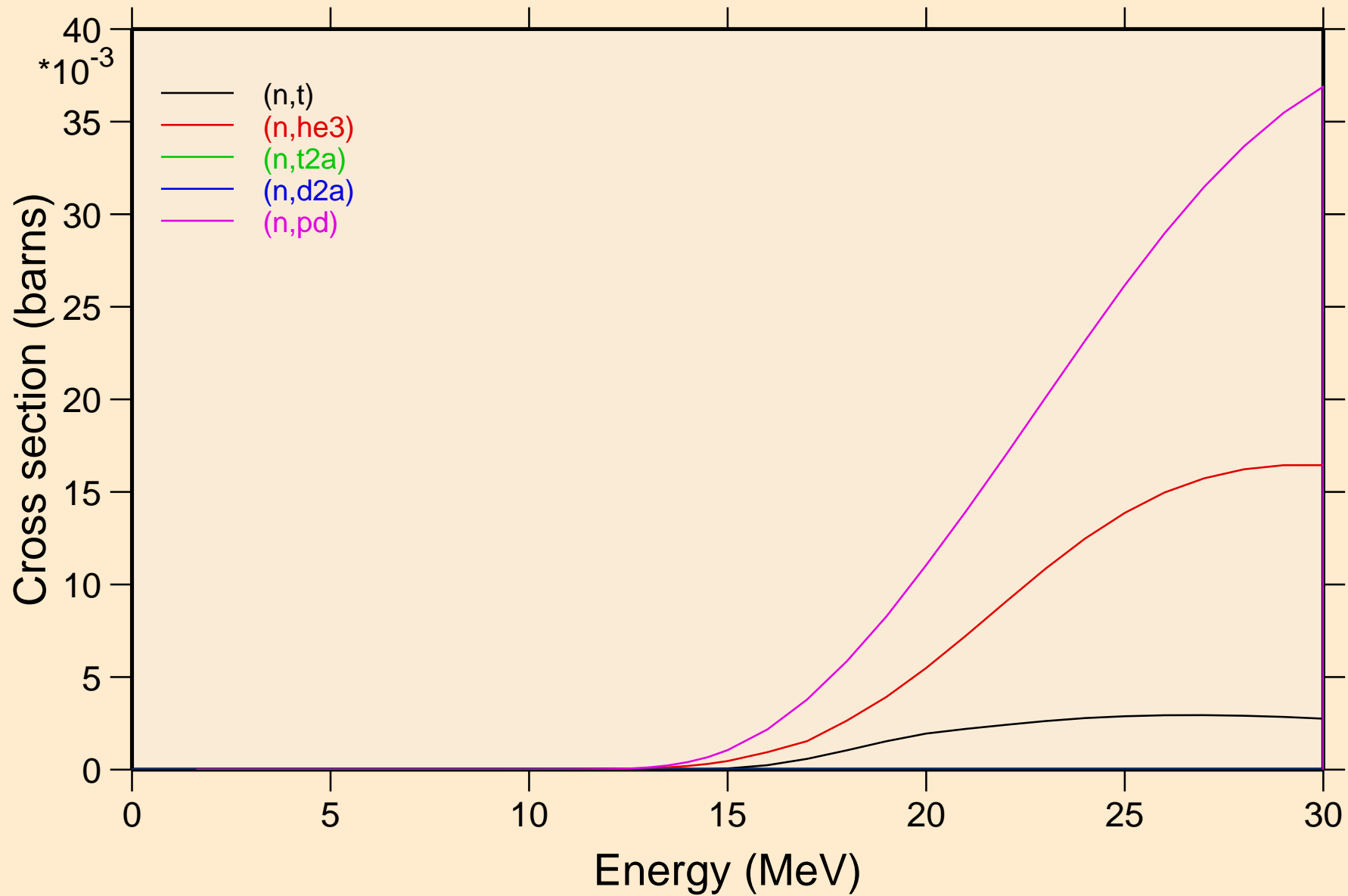
# GD139M NRG TENDL-2015, AKONING

## Threshold reactions



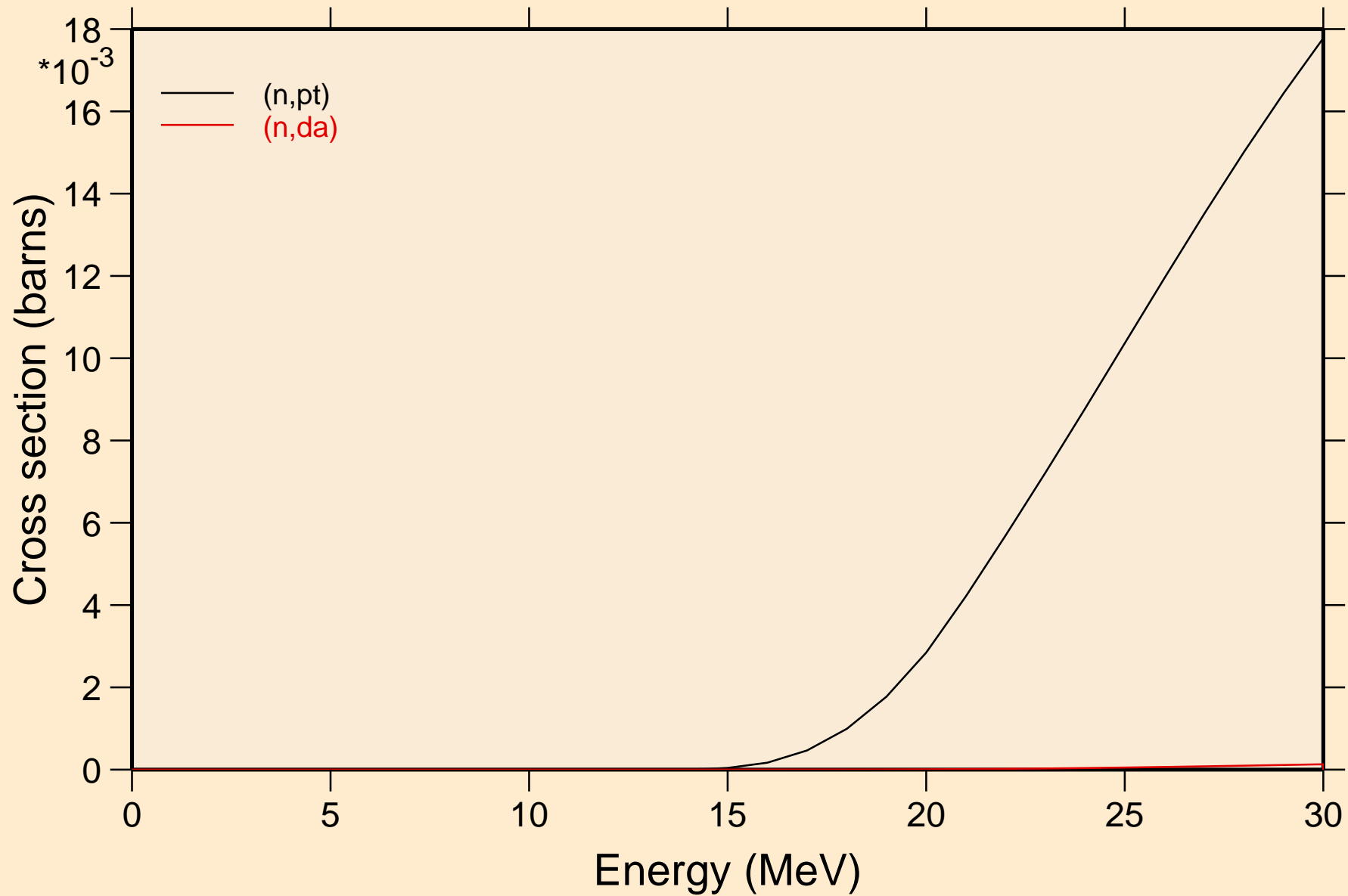
# GD139M NRG TENDL-2015, AKONING

## Threshold reactions

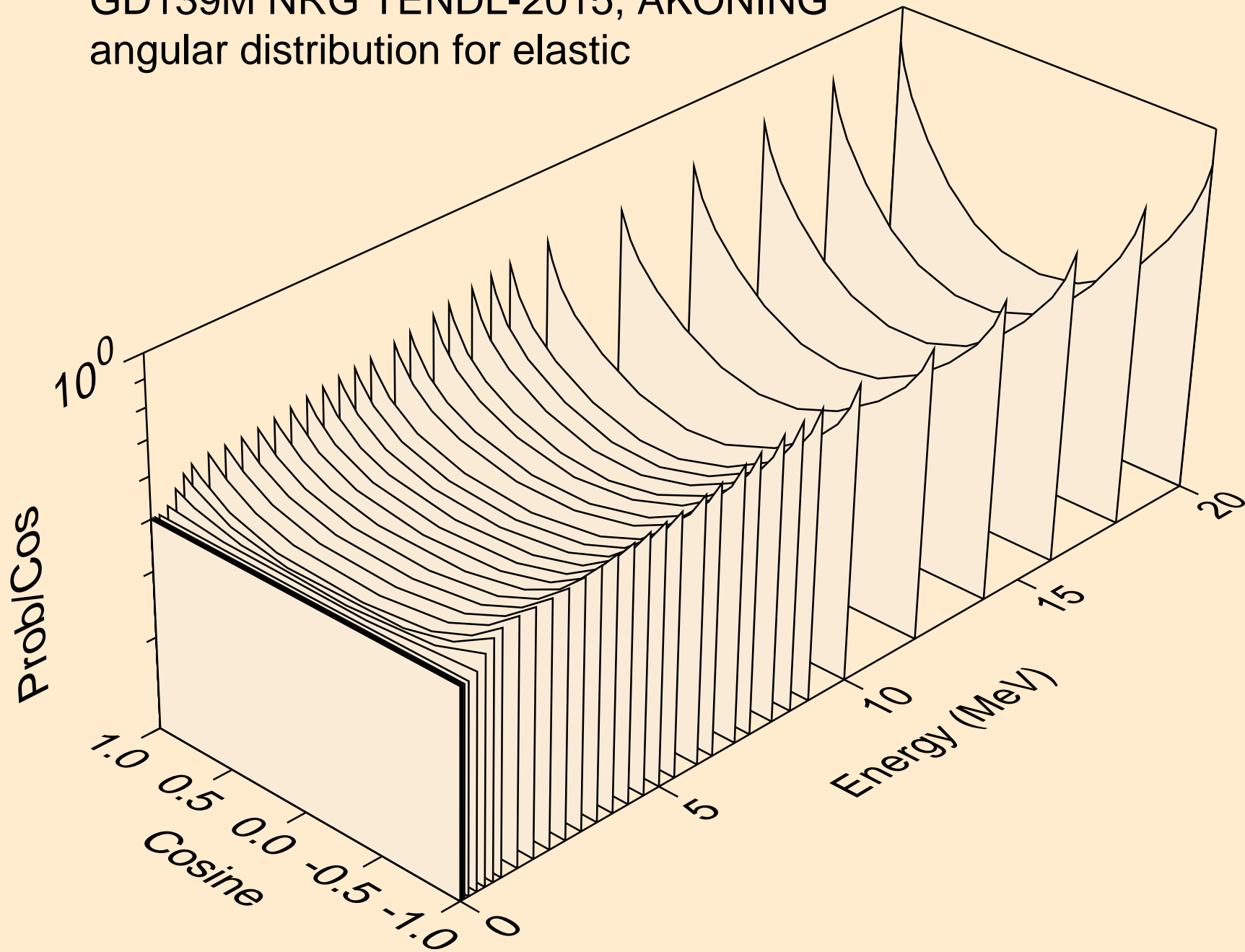


# GD139M NRG TENDL-2015, AKONING

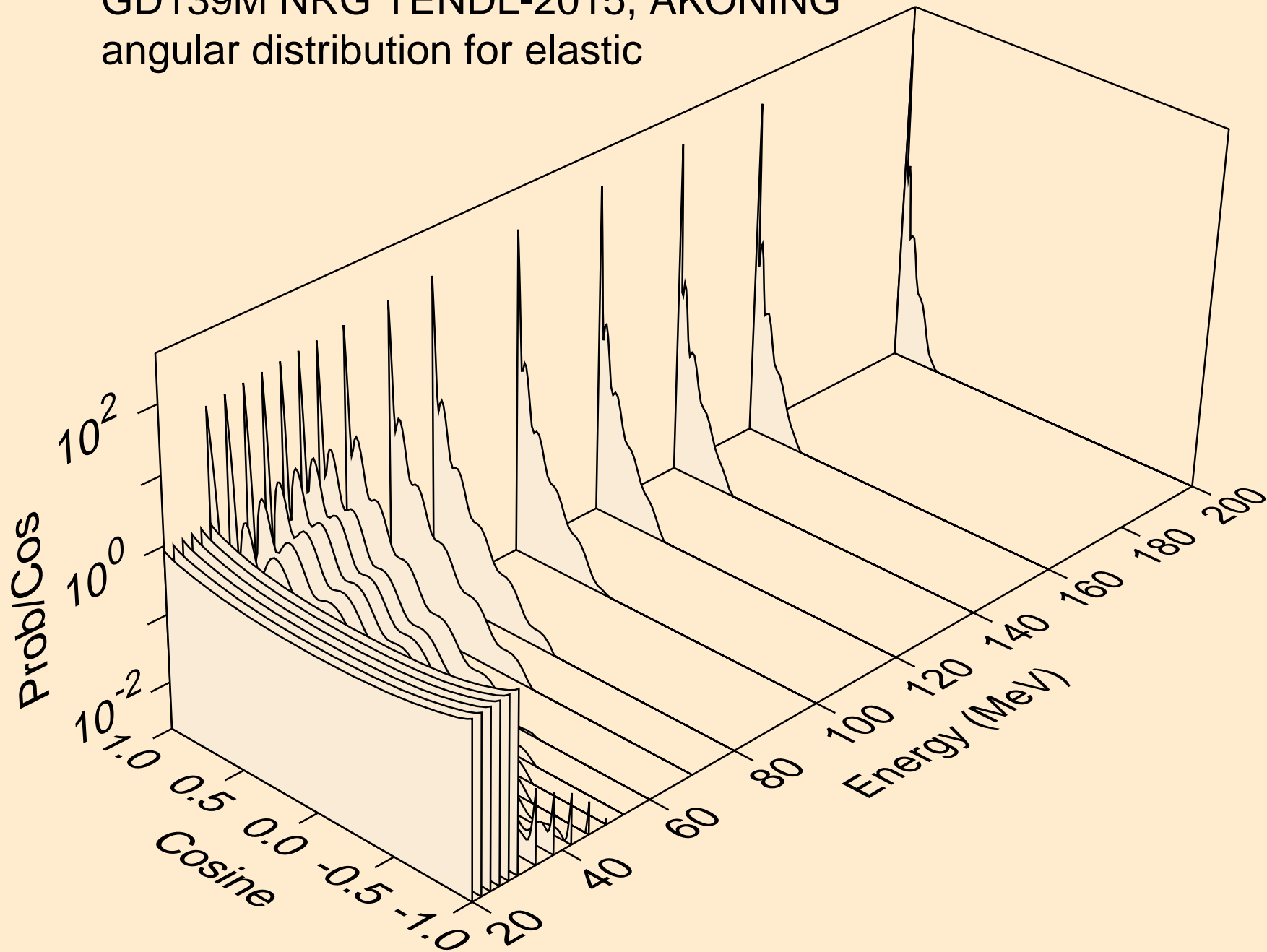
## Threshold reactions



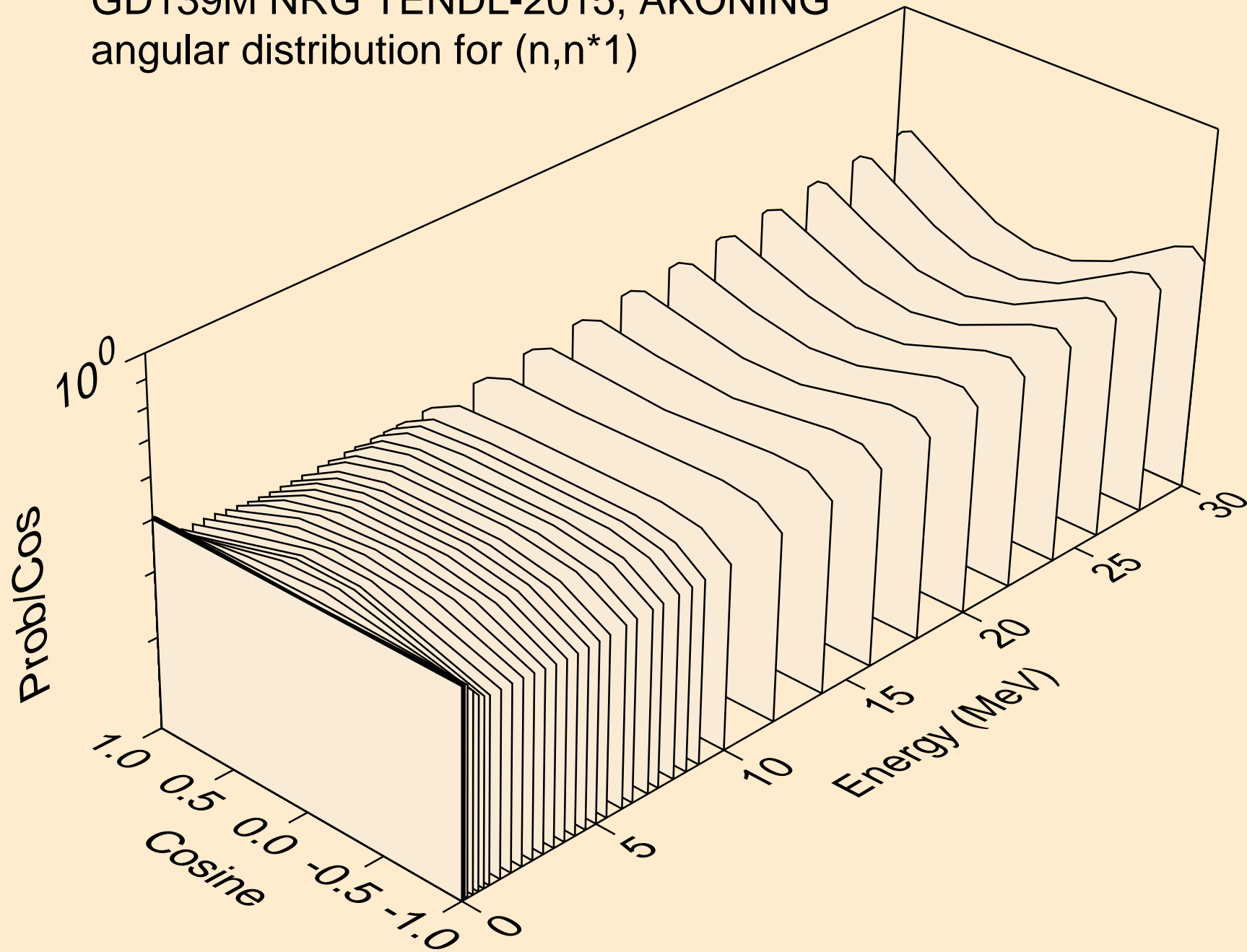
GD139M NRG TENDL-2015, AKONING  
angular distribution for elastic



GD139M NRG TENDL-2015, AKONING  
angular distribution for elastic

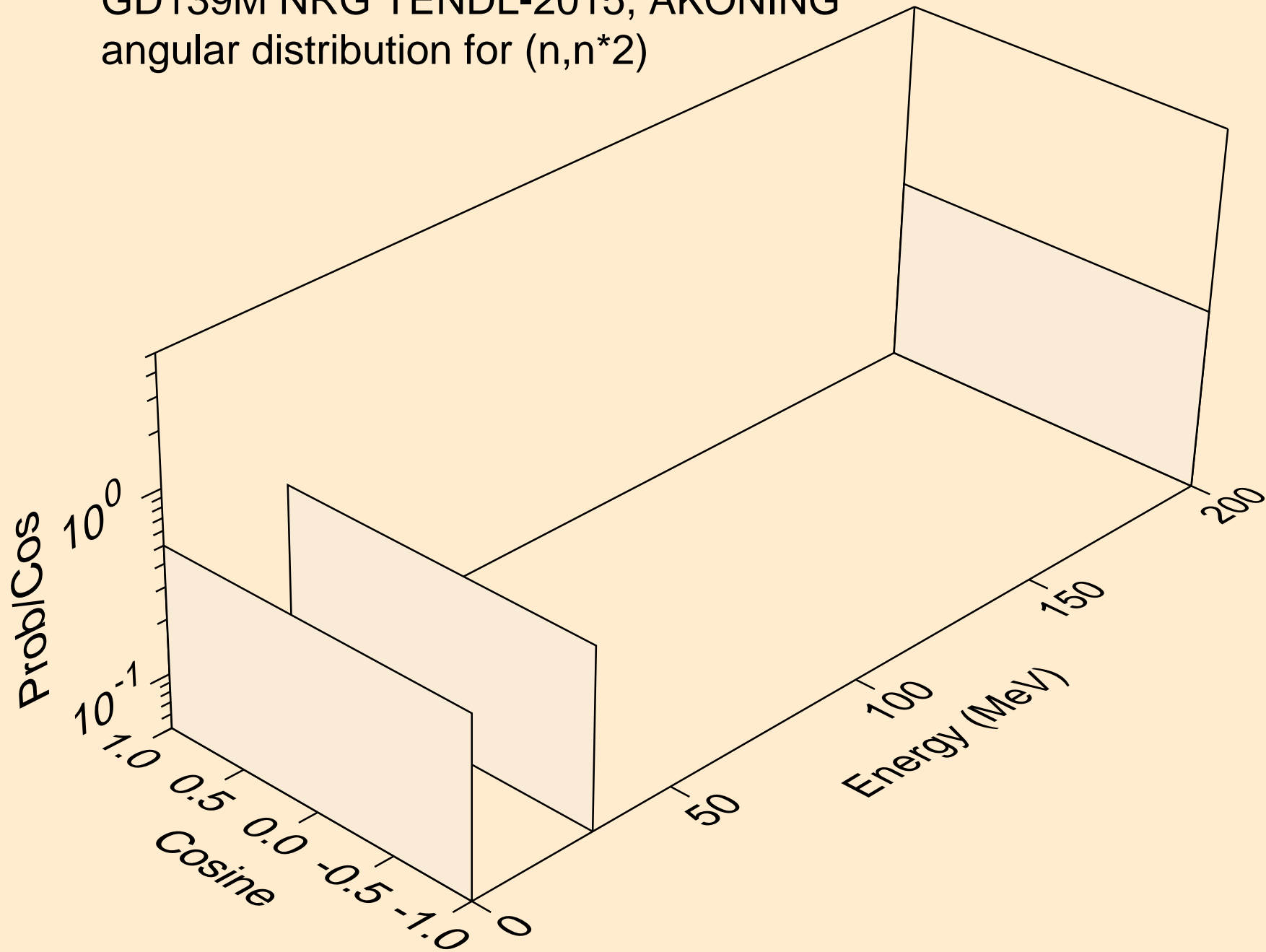


GD139M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)

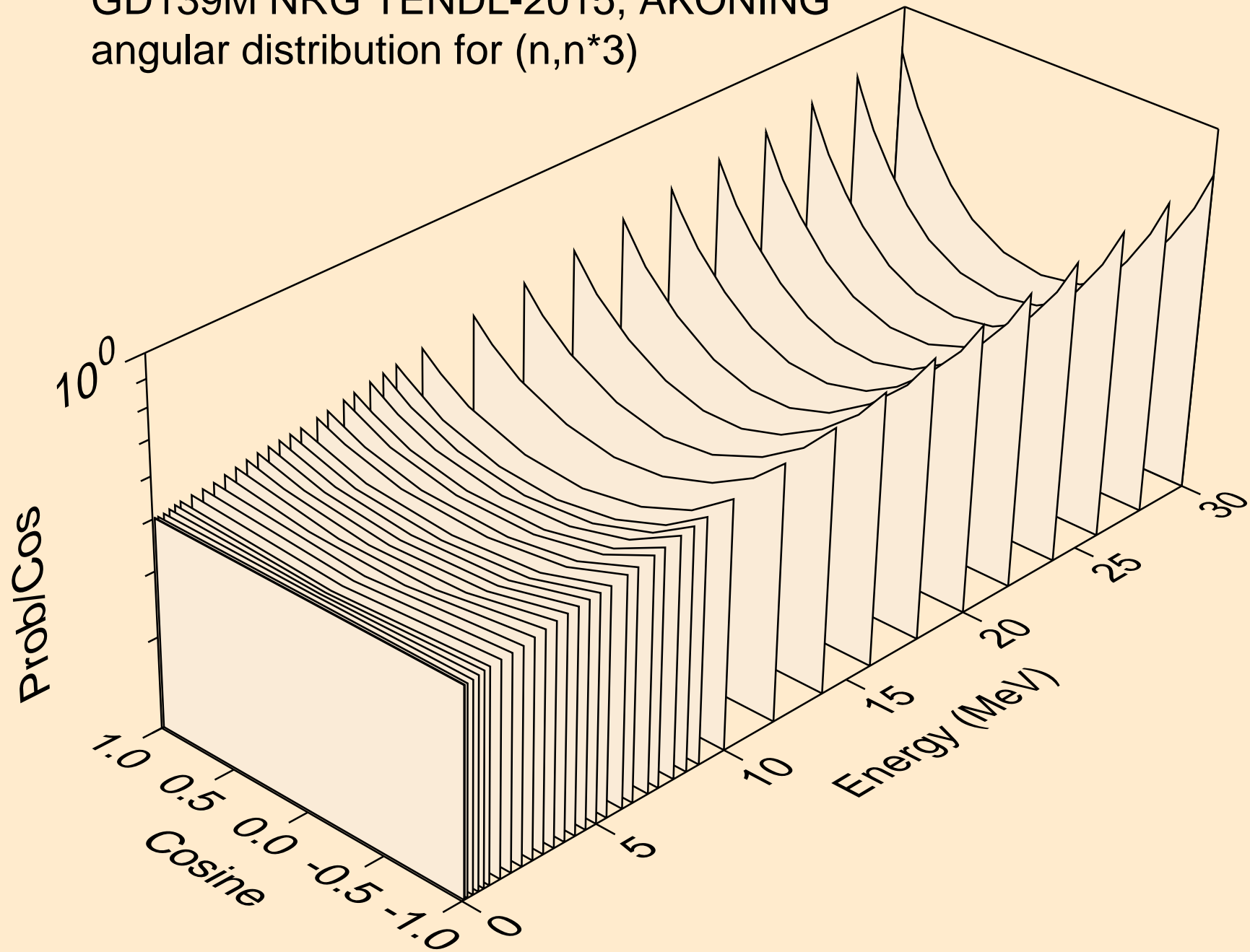




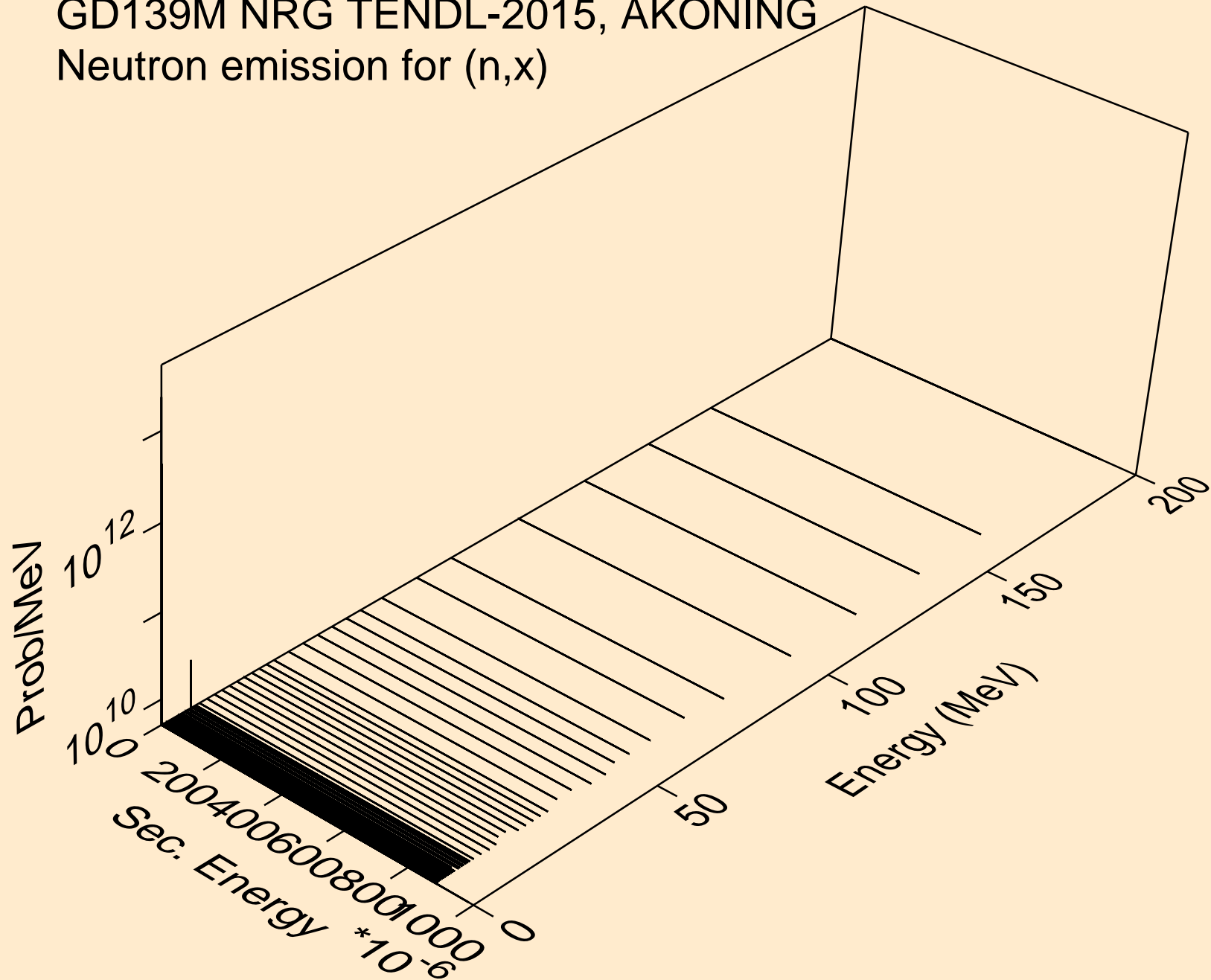
GD139M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



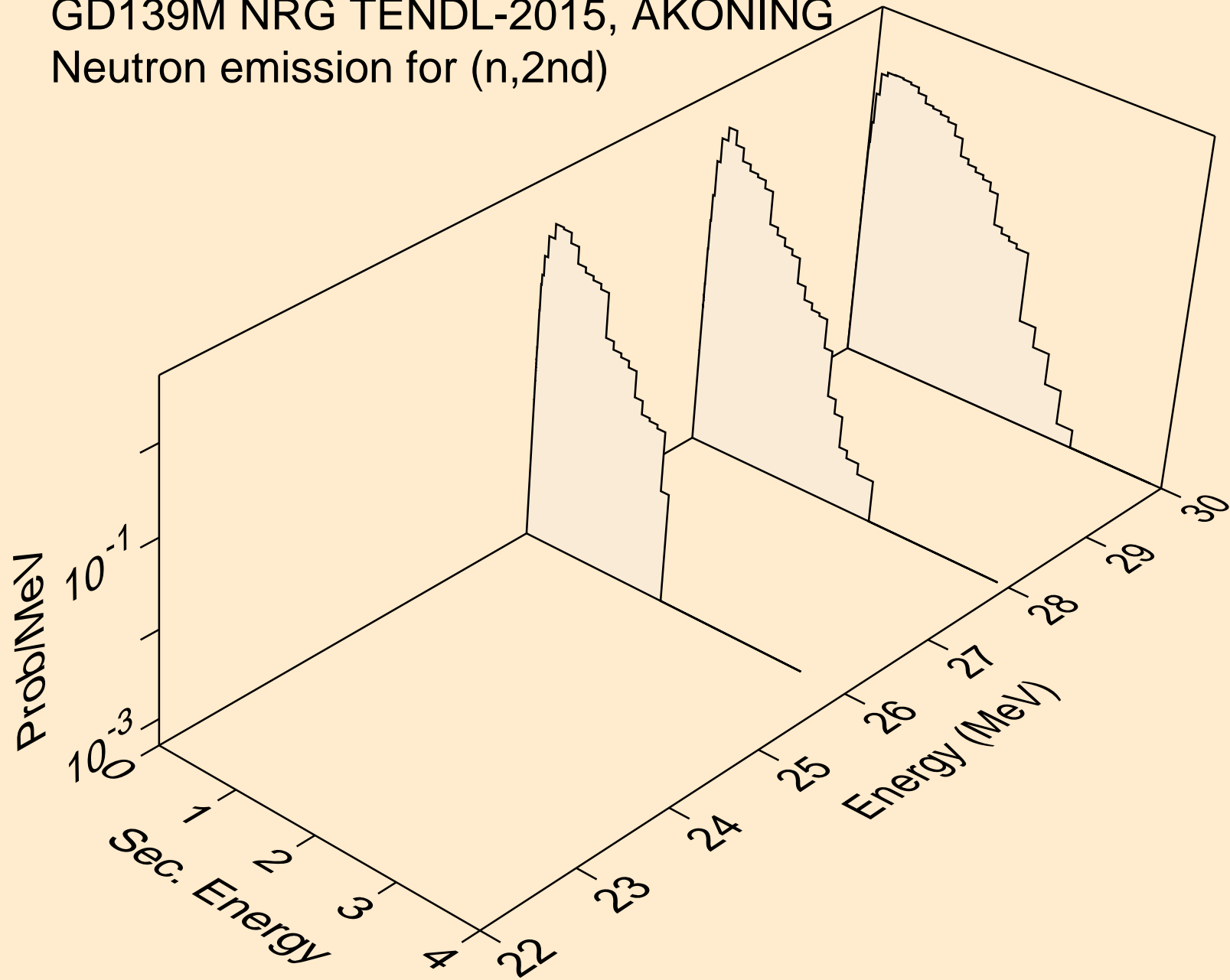
GD139M NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



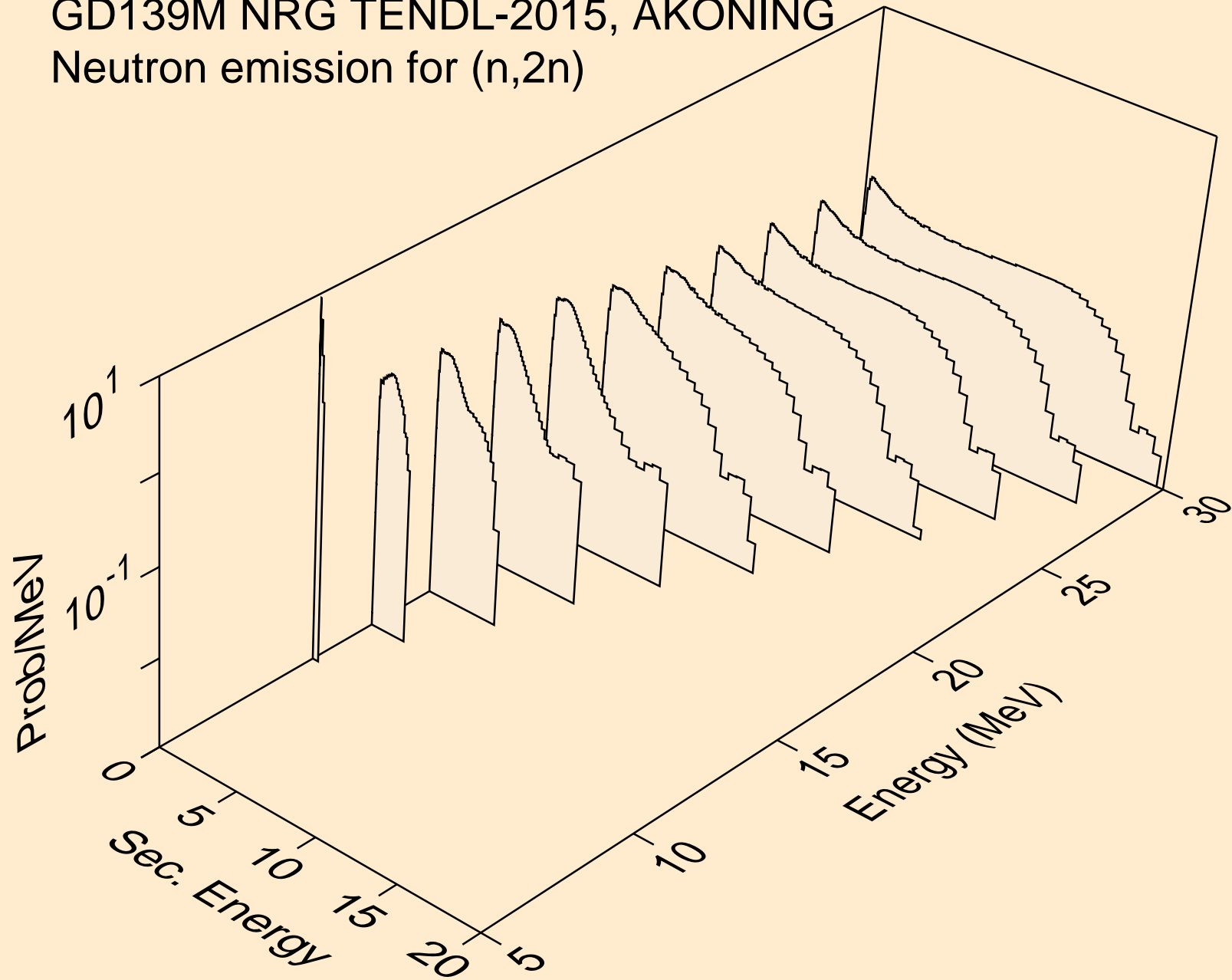
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



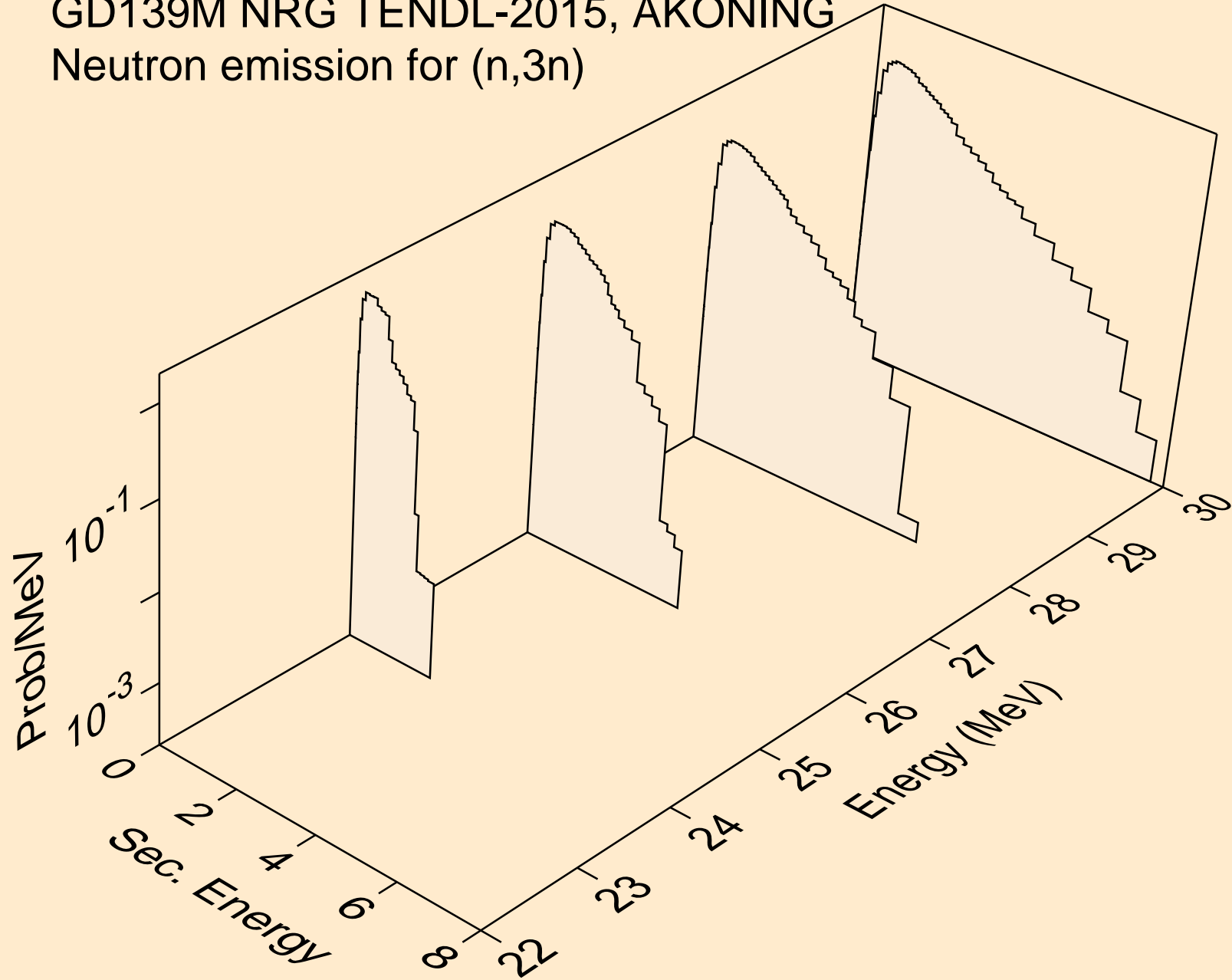
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



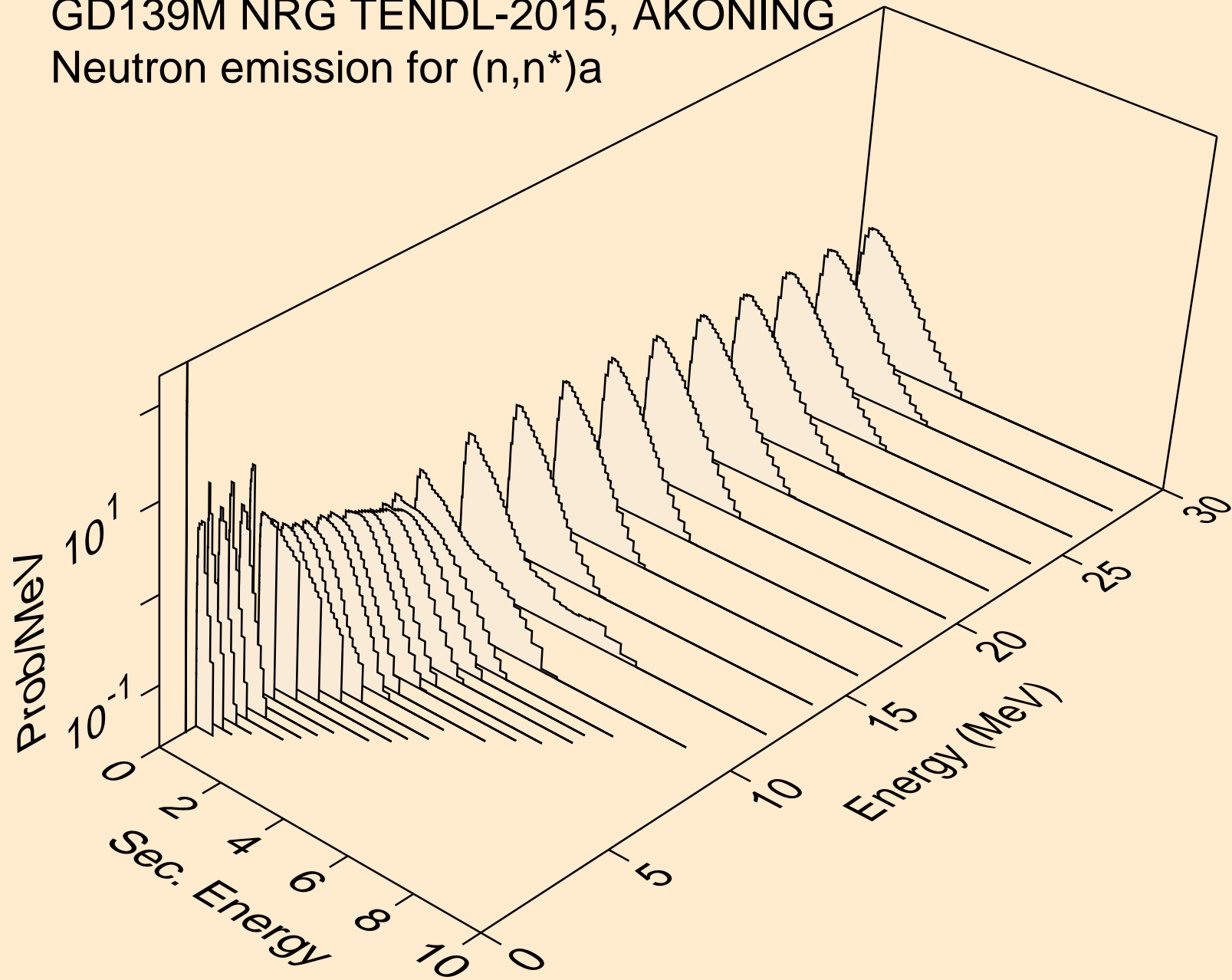
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



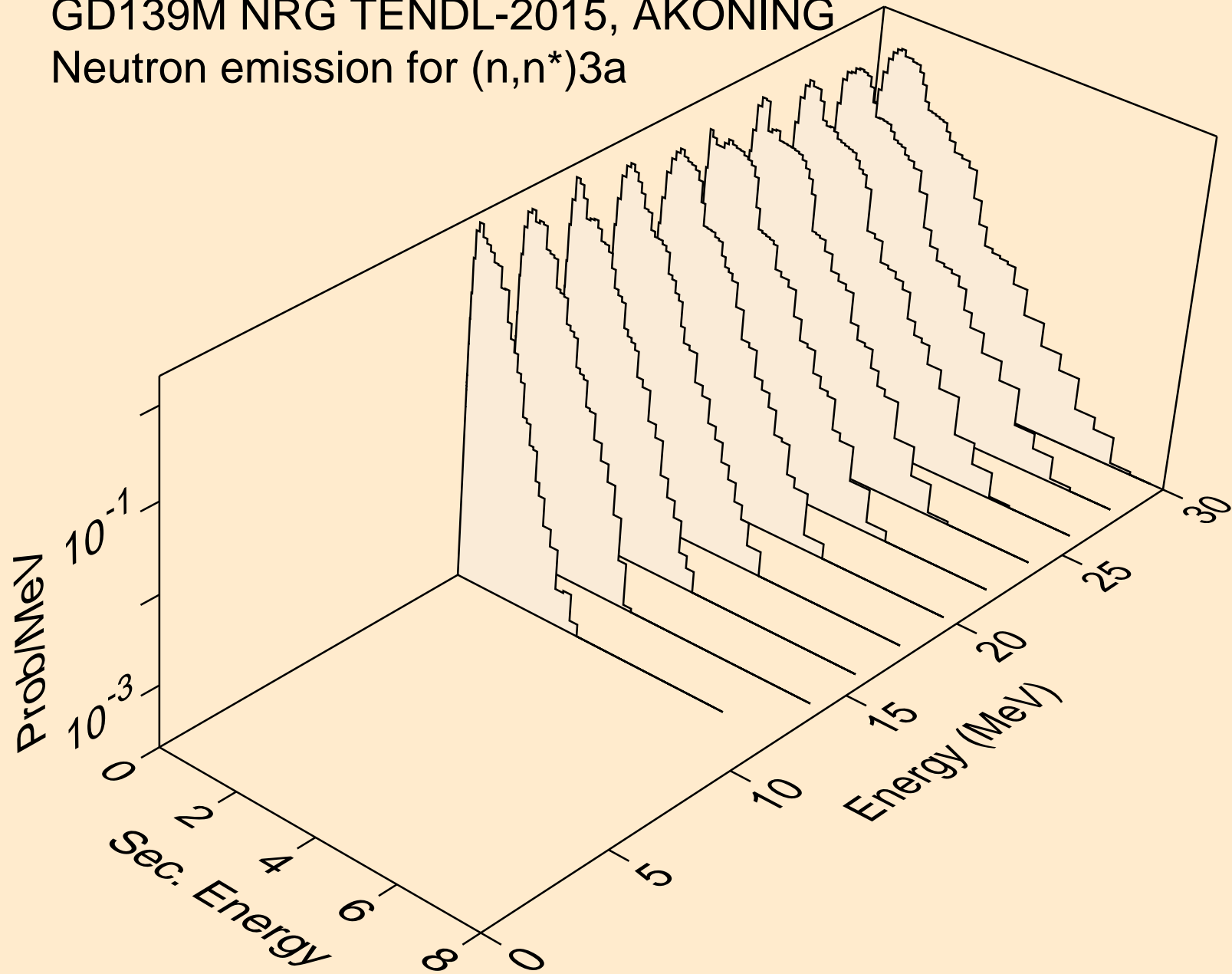
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a

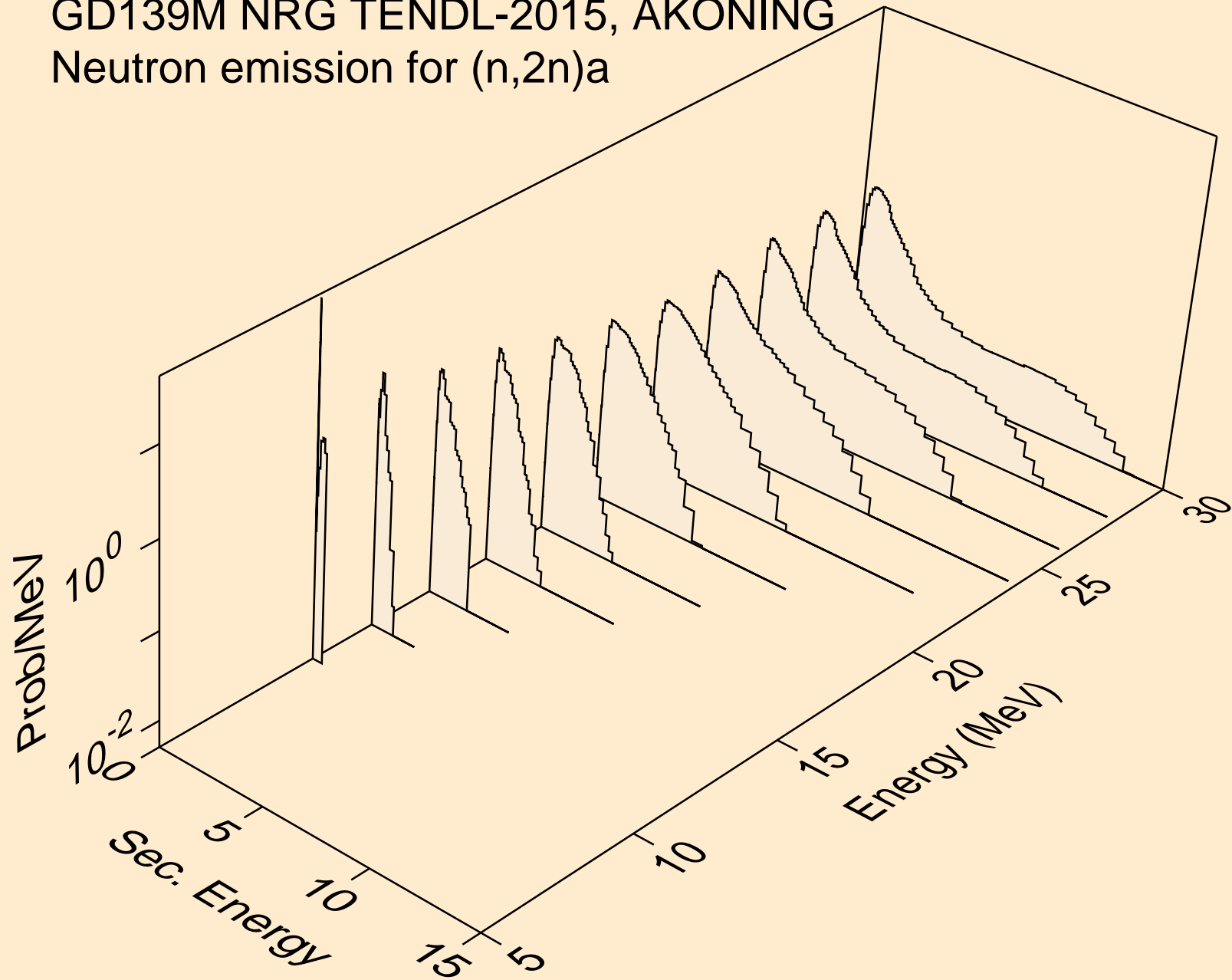


GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a

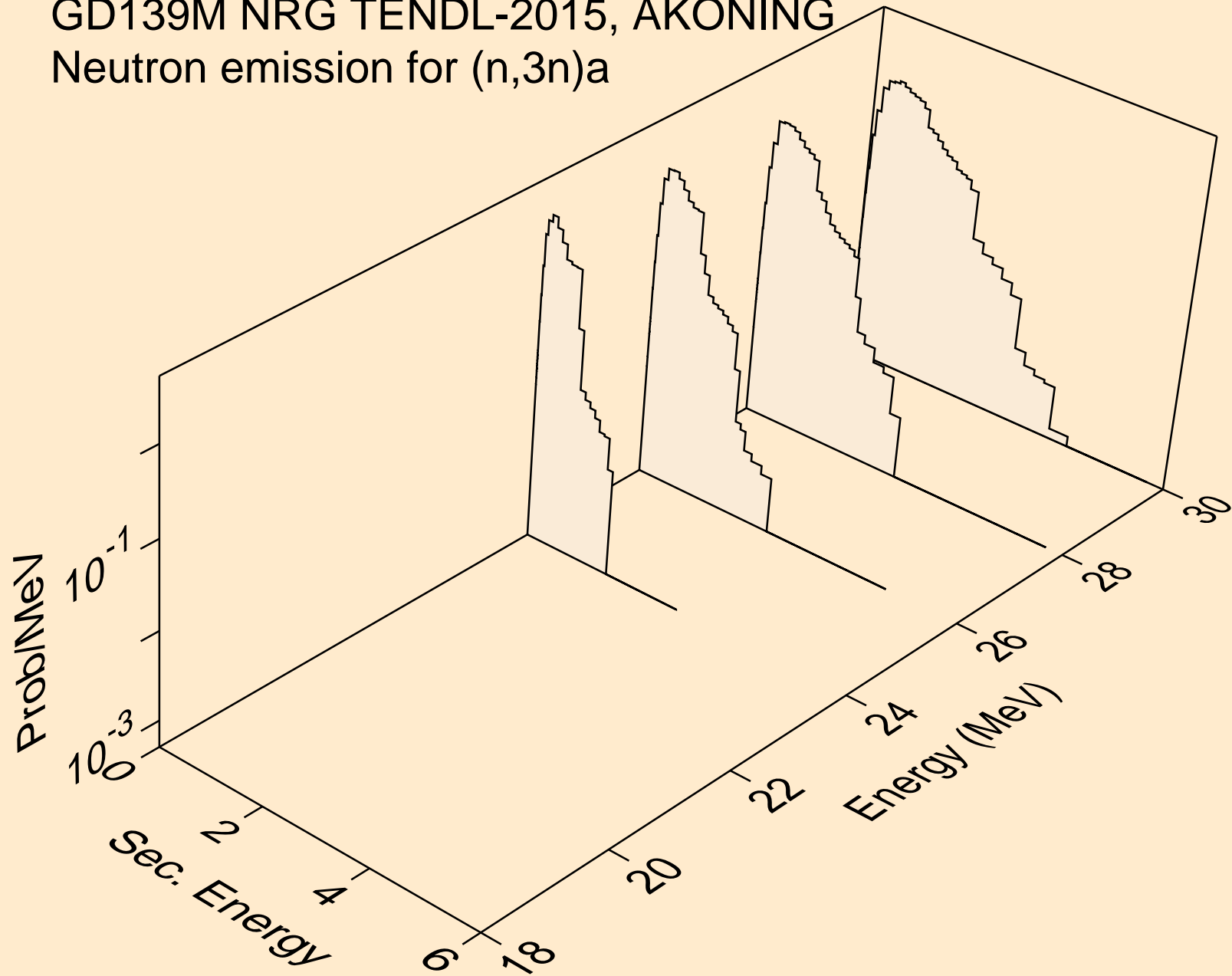




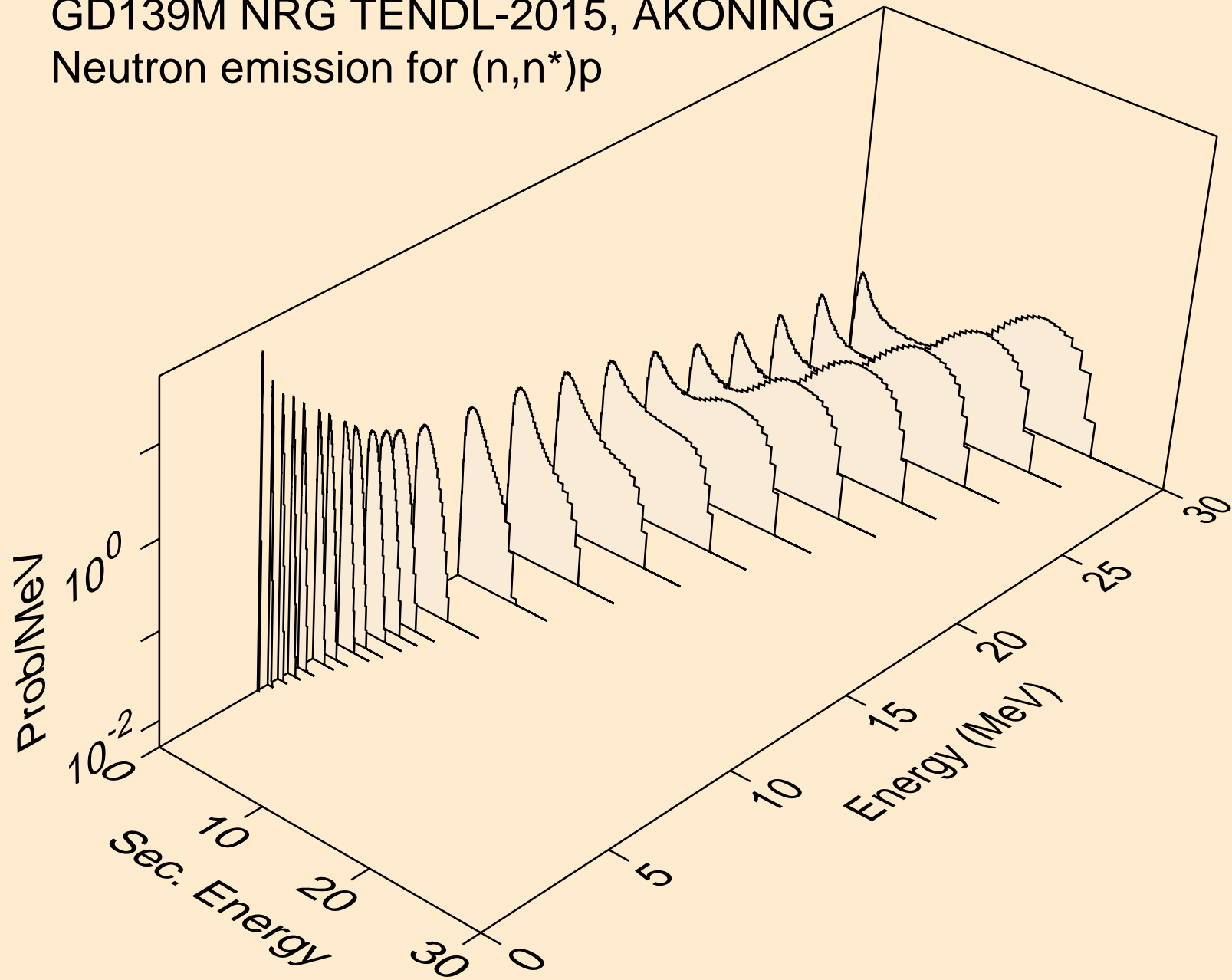
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>a</sub>



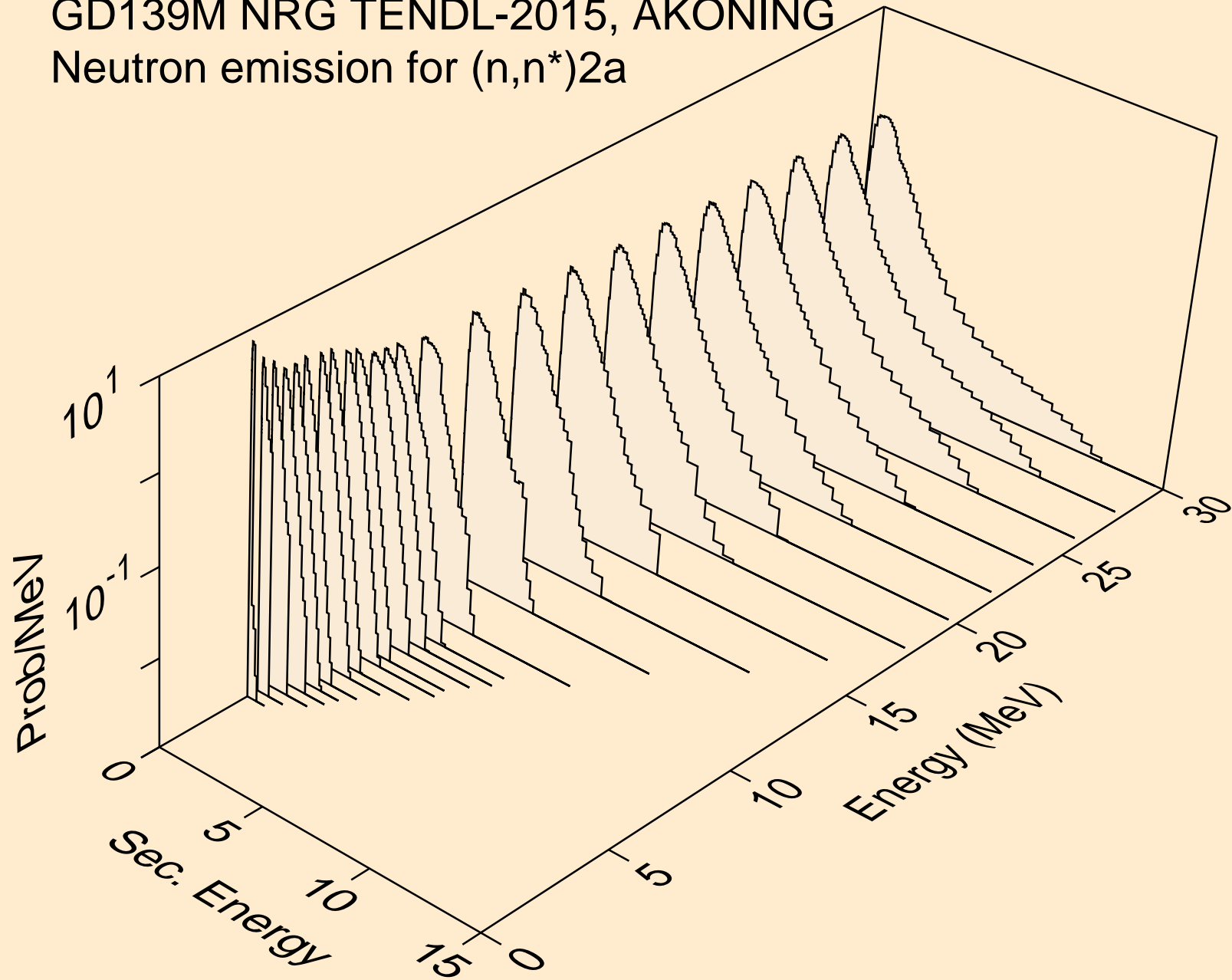
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)<sub>a</sub>



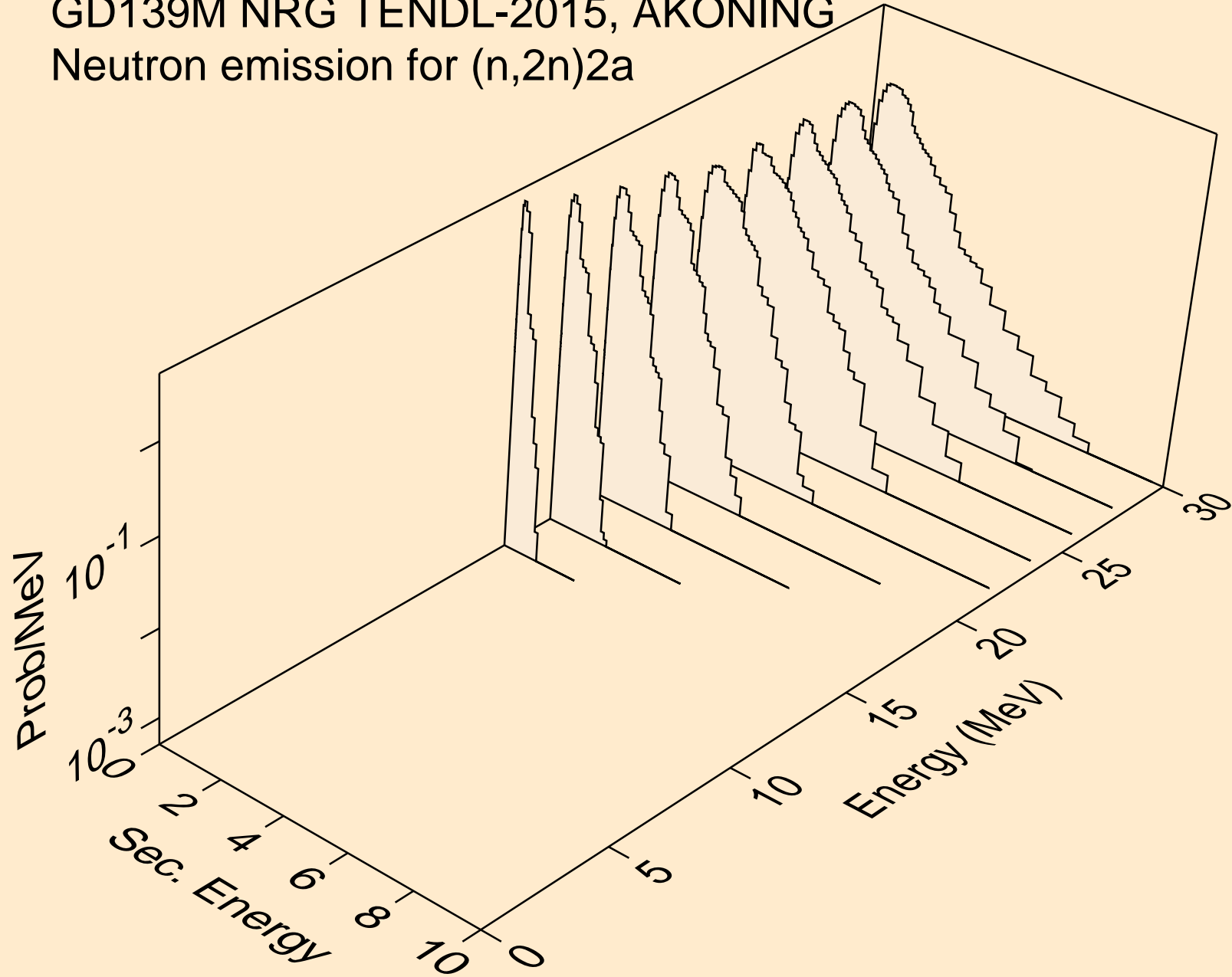
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



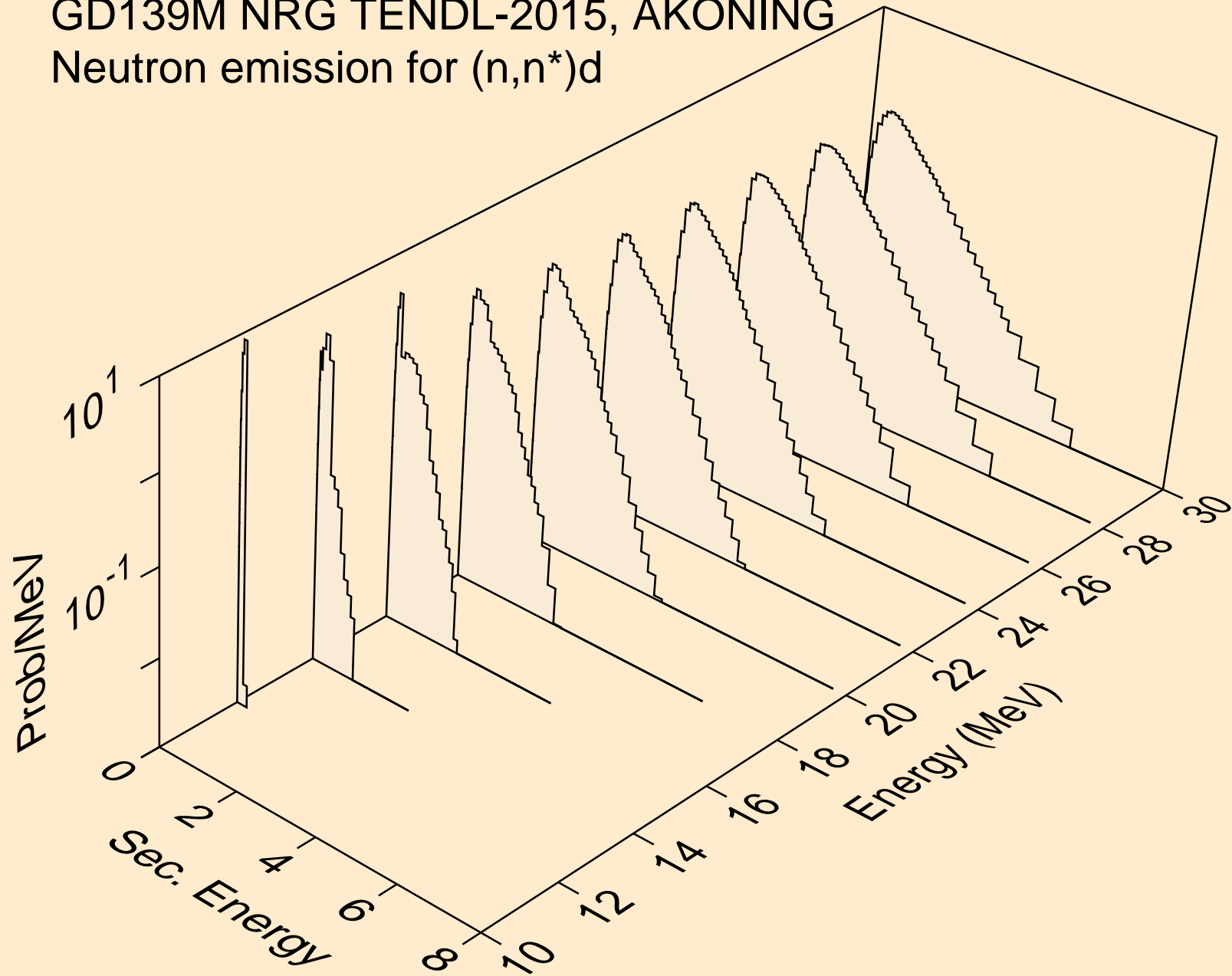
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



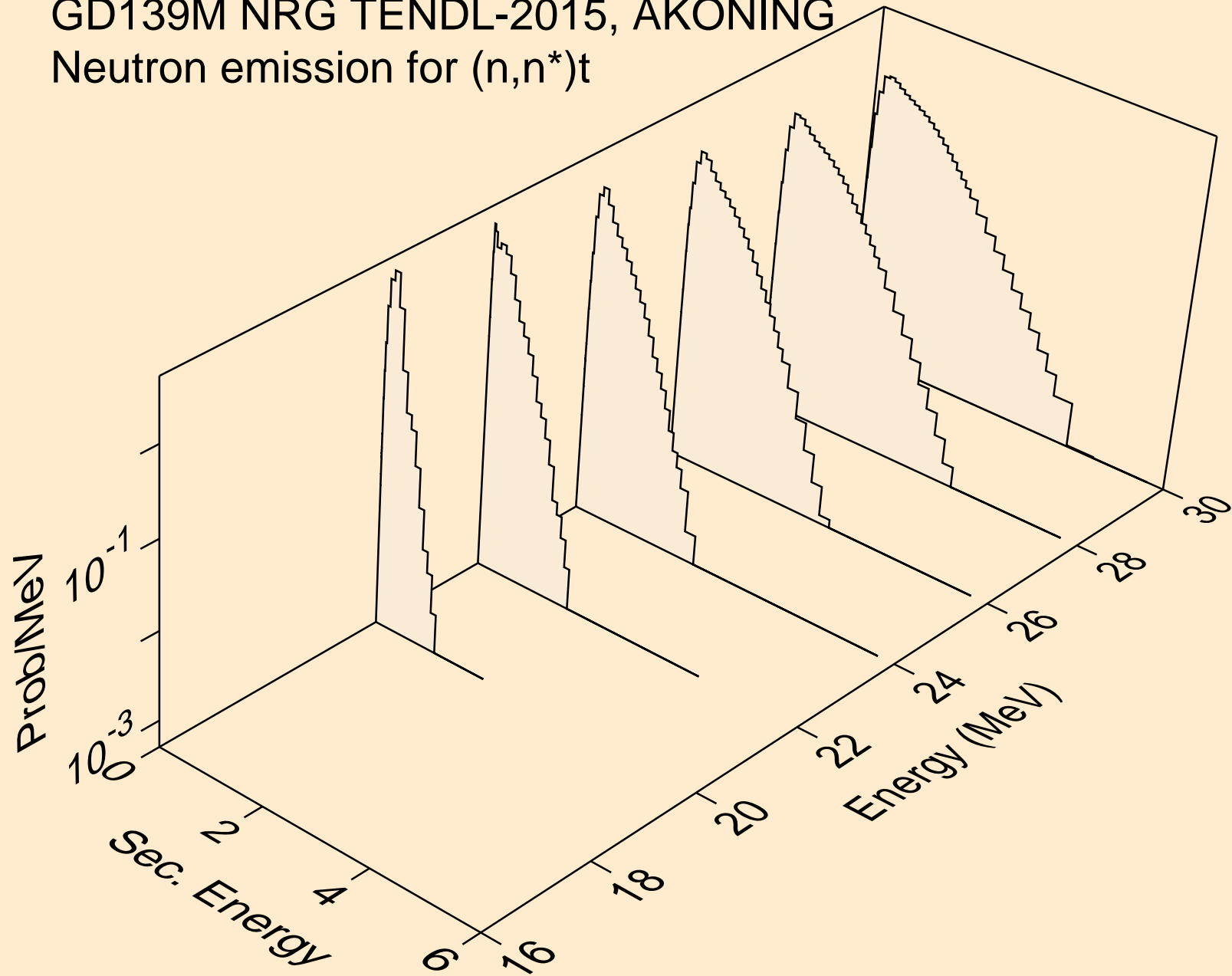
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>2a</sub>



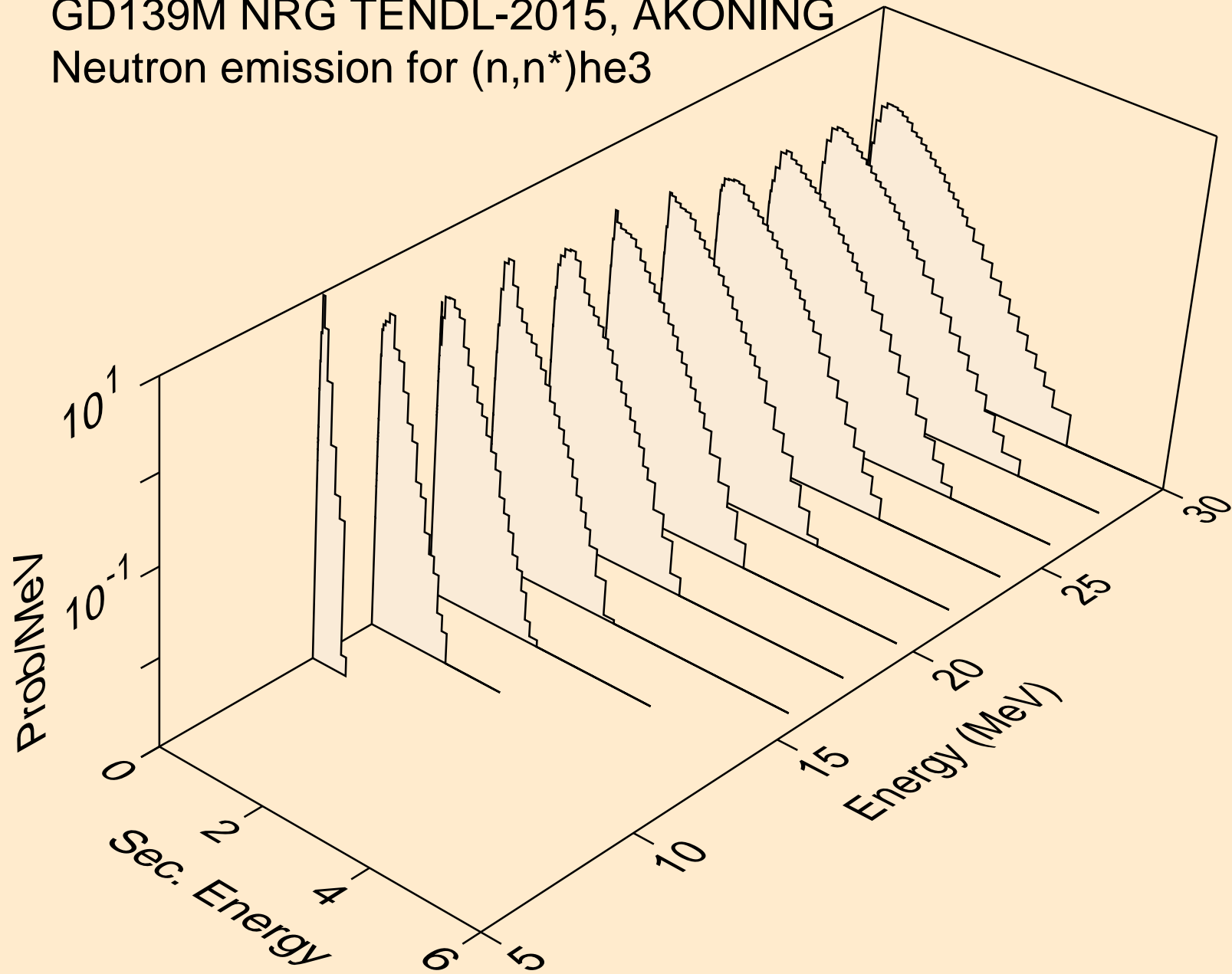
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t

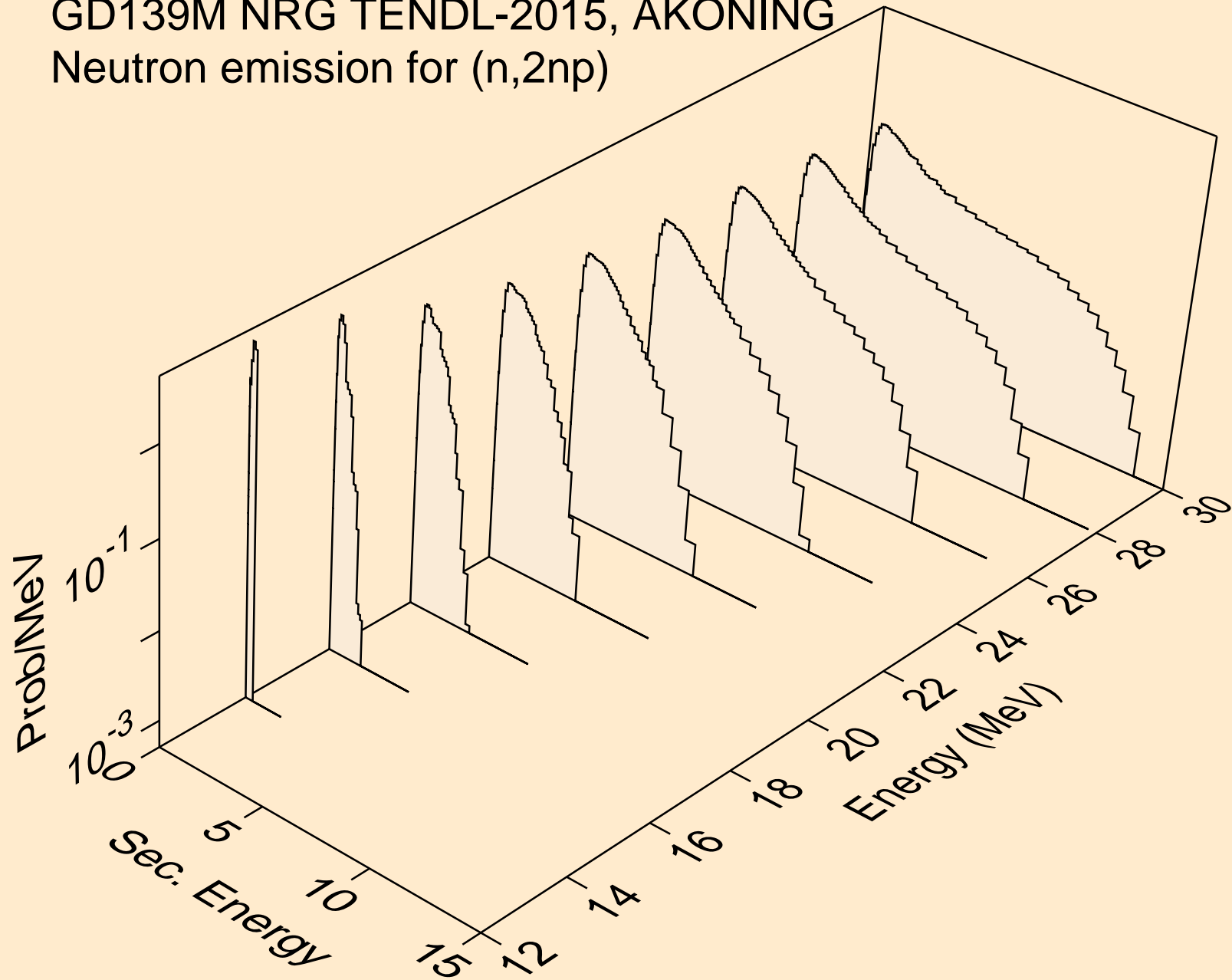


GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3

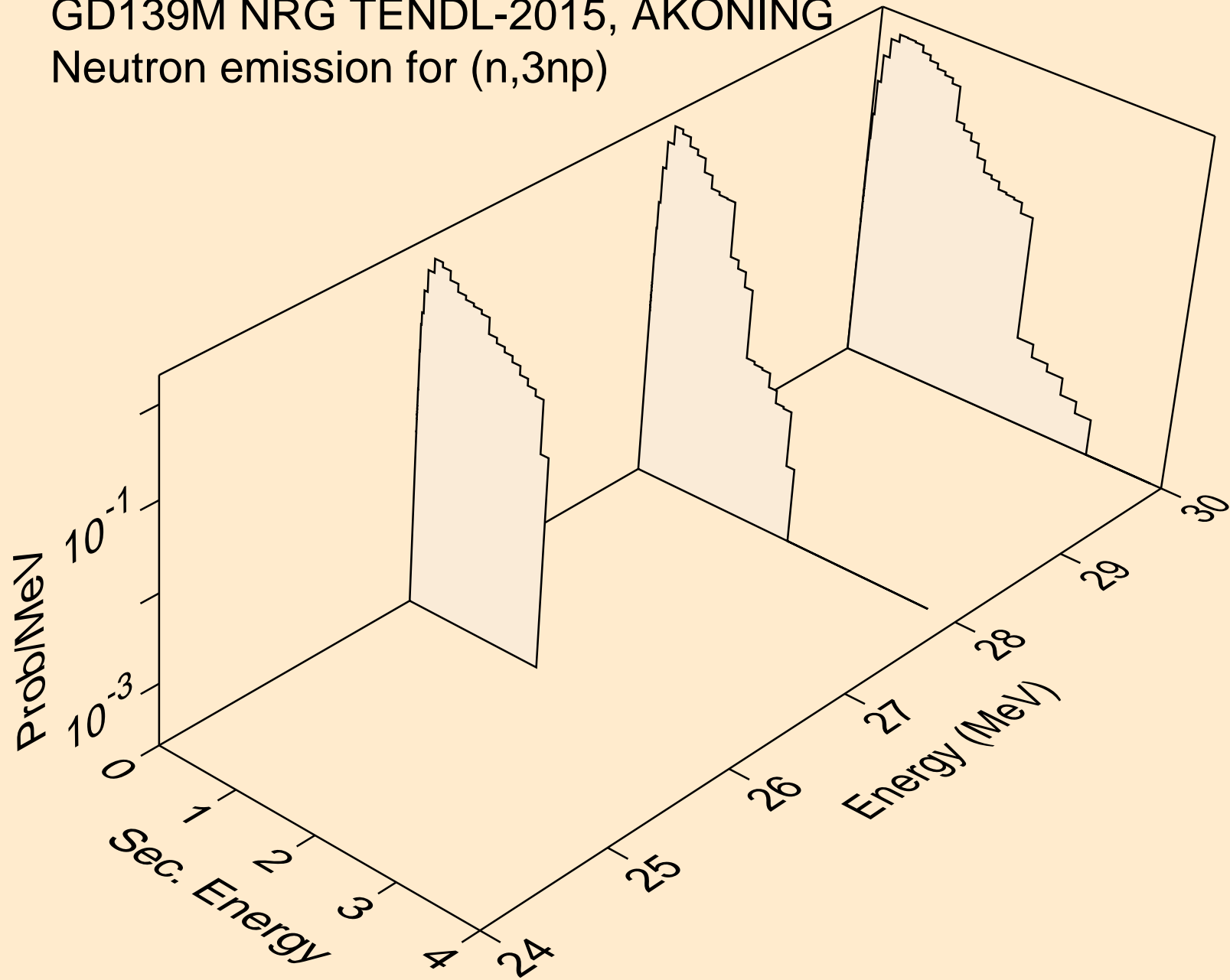




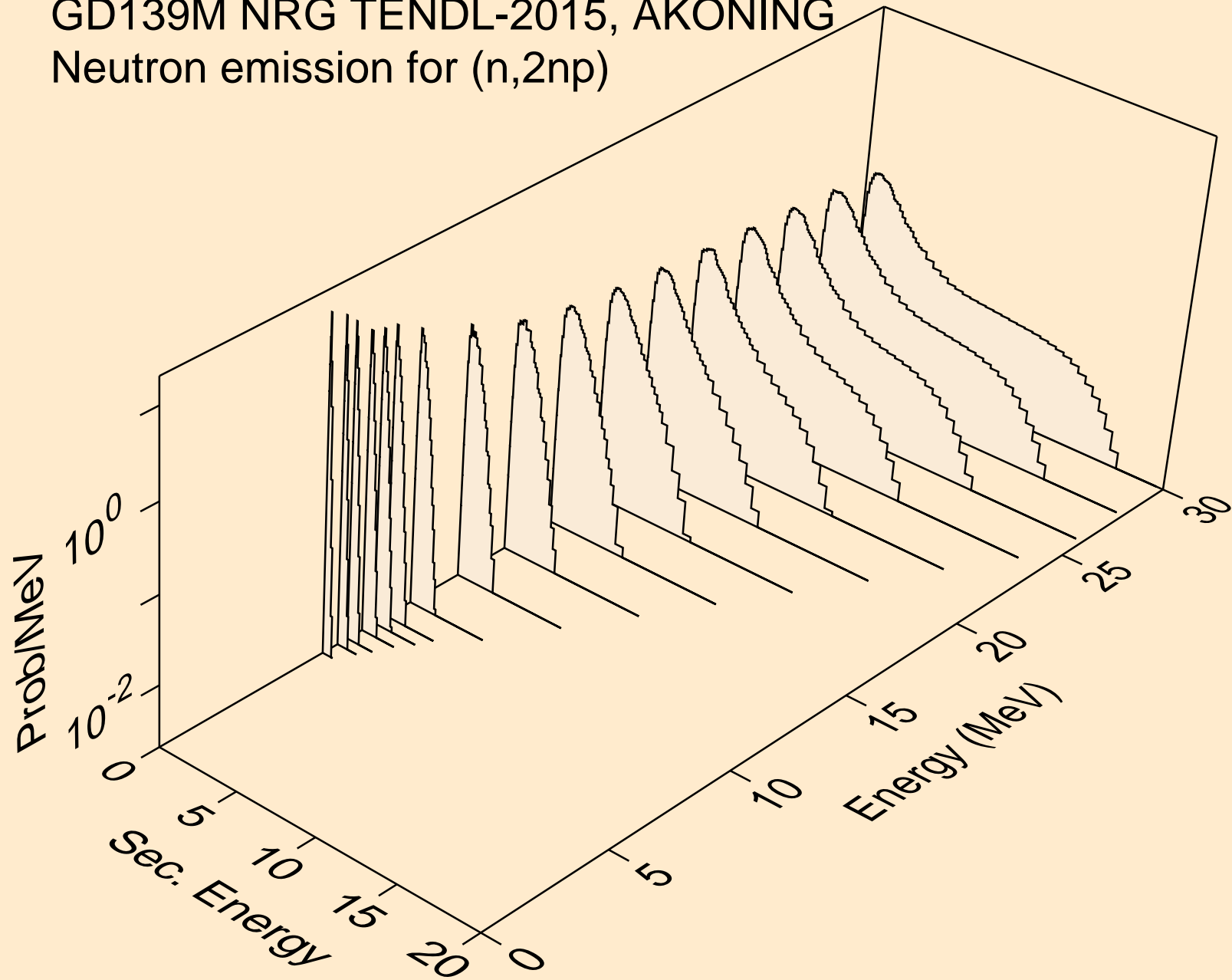
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



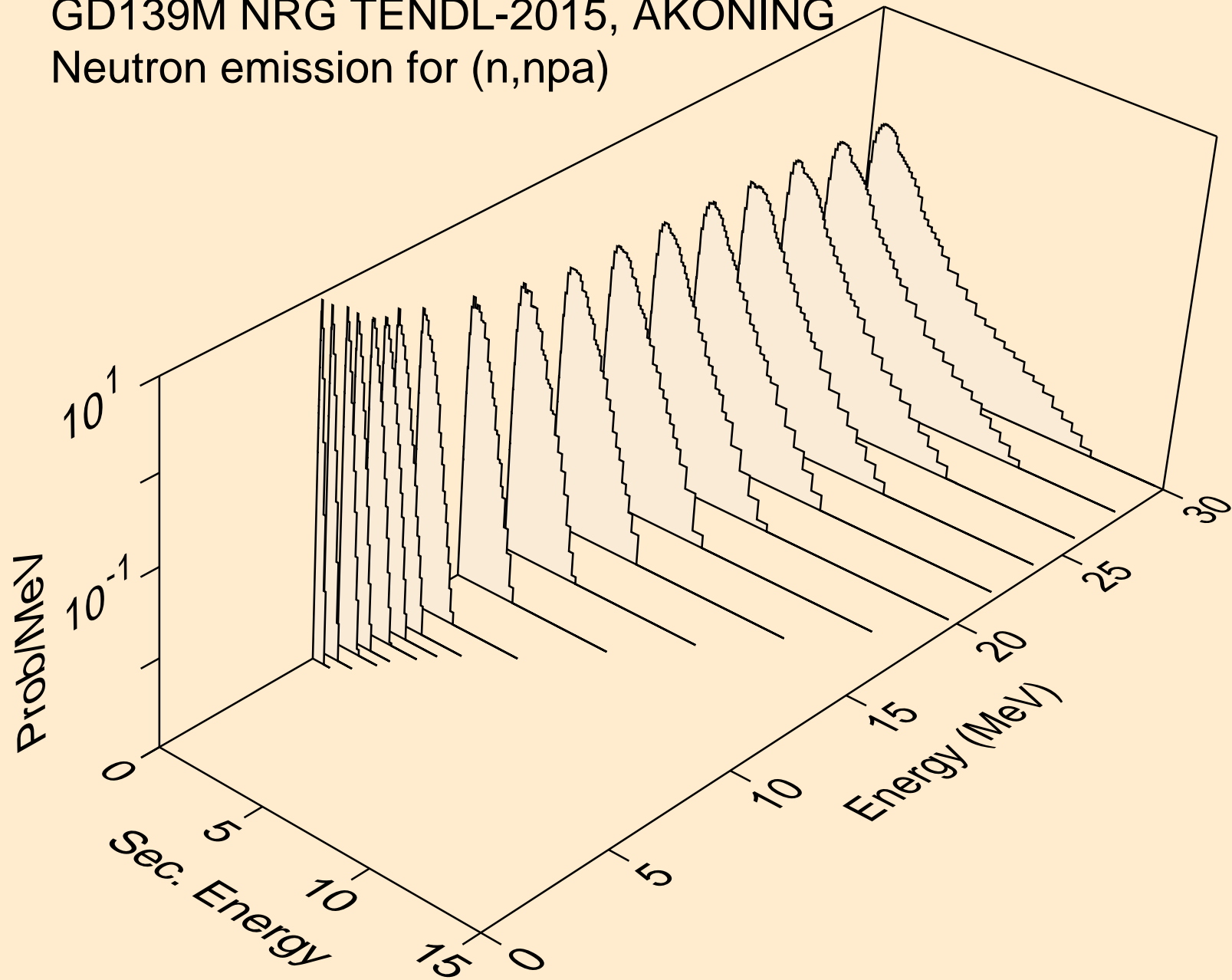
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Neutron emission for (n,3np)



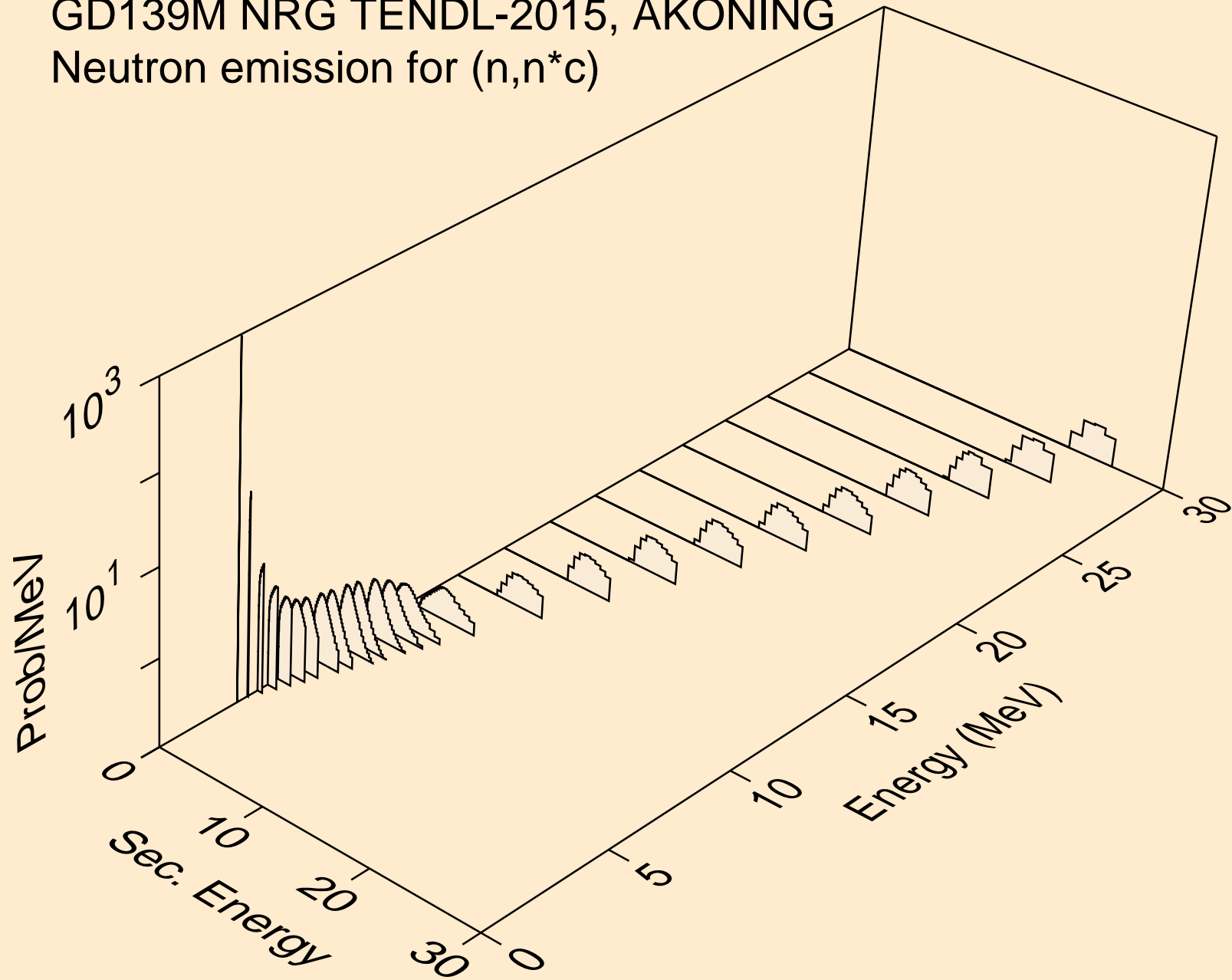
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



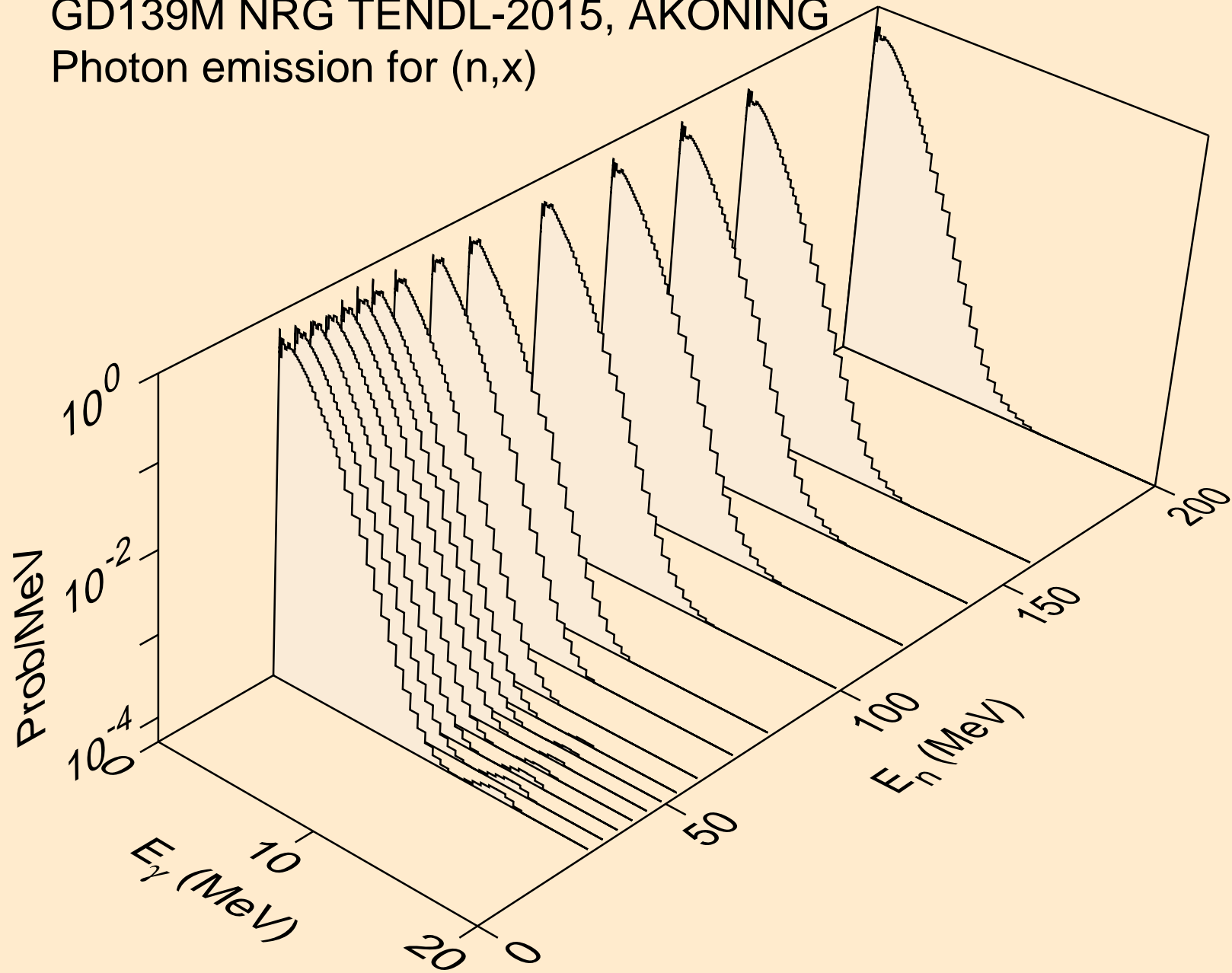
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



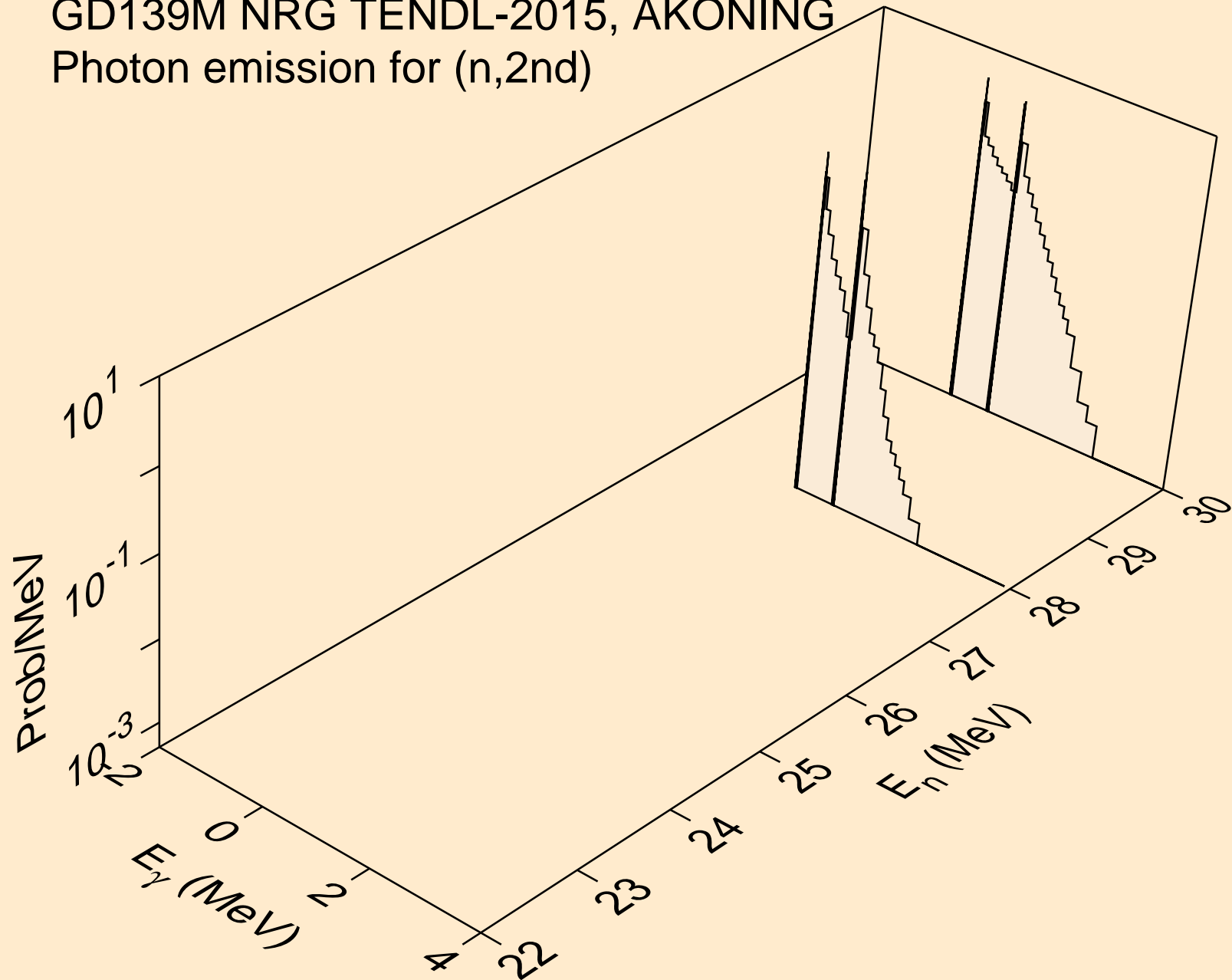
GD139M NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



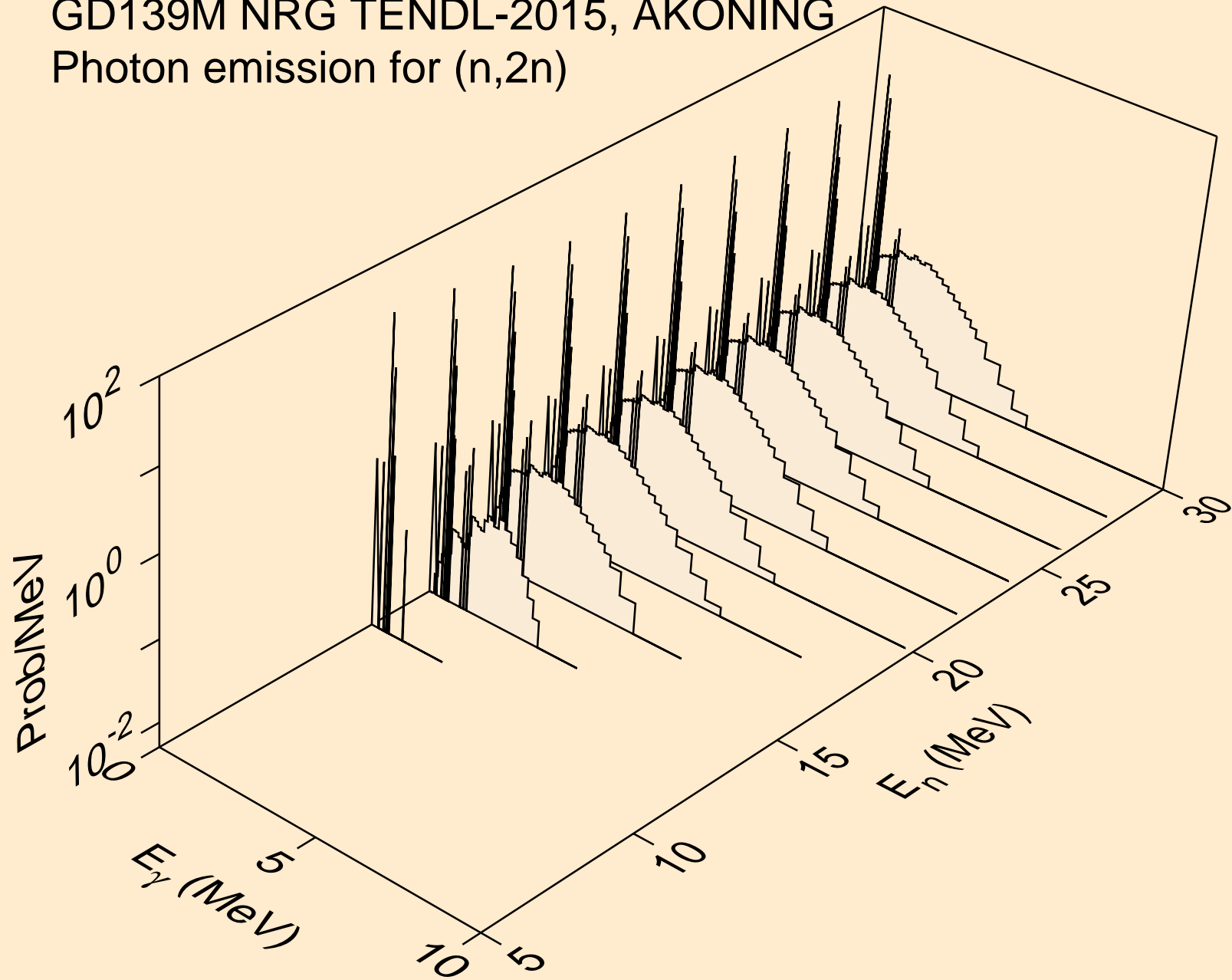
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,x)



GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)

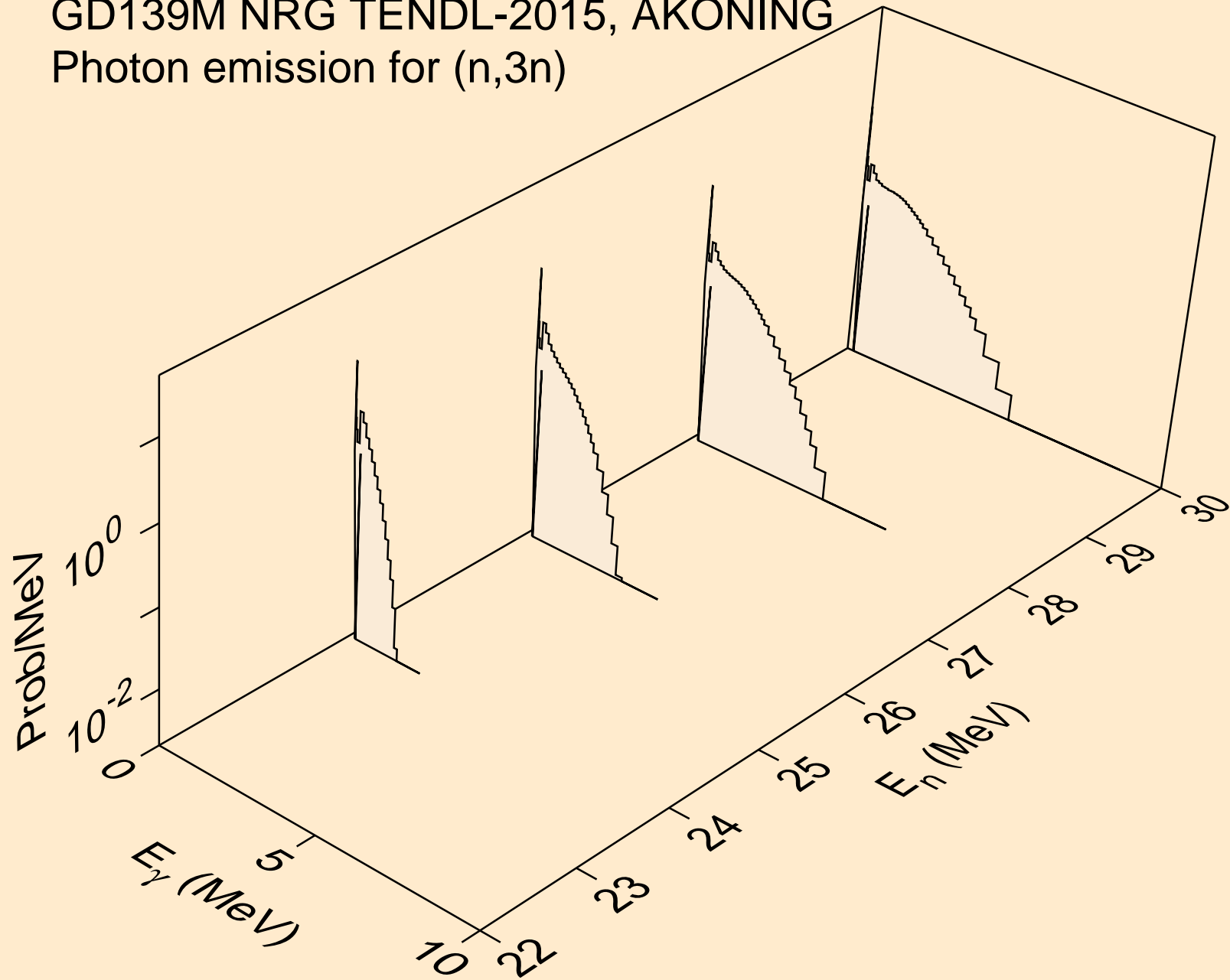


GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)

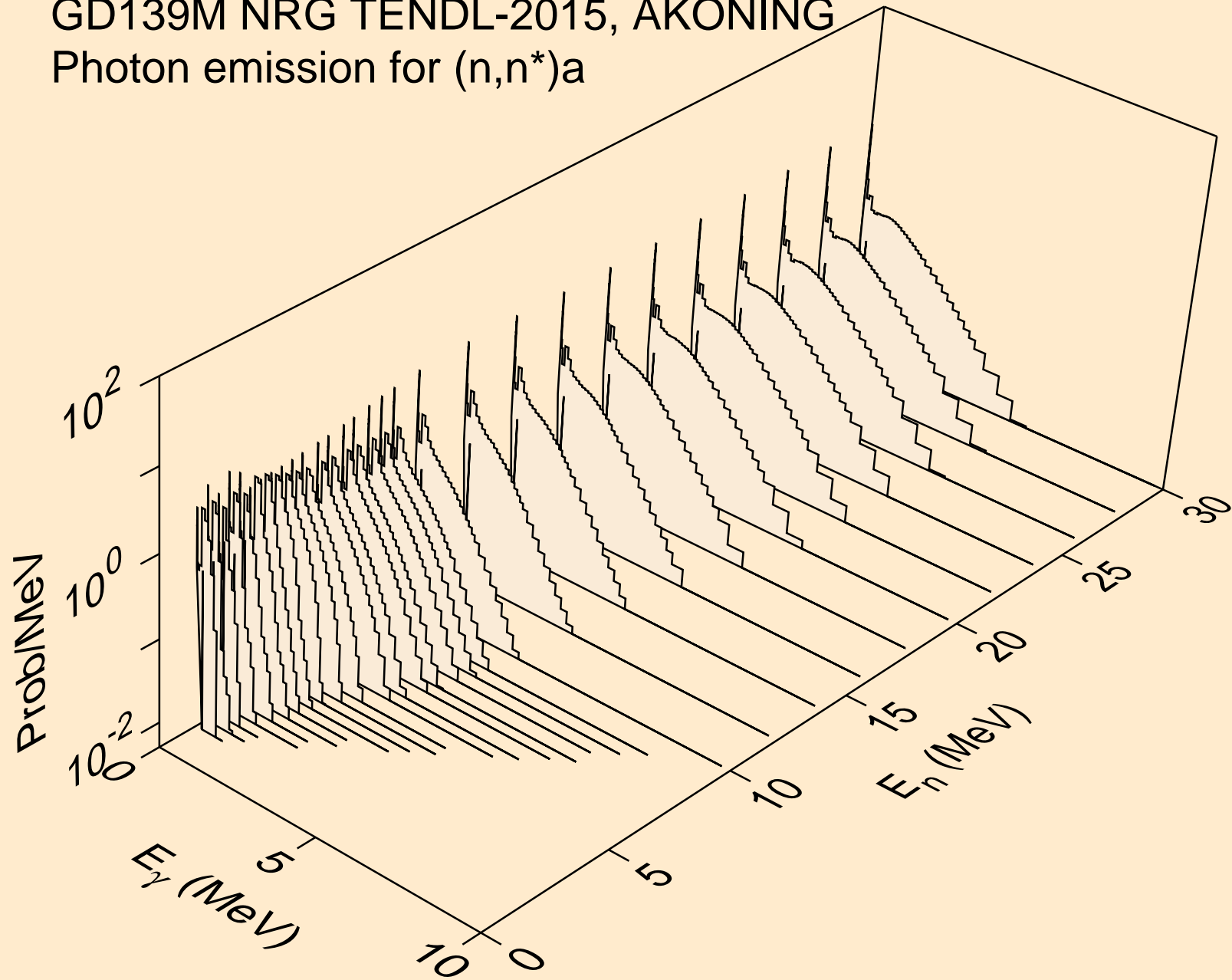




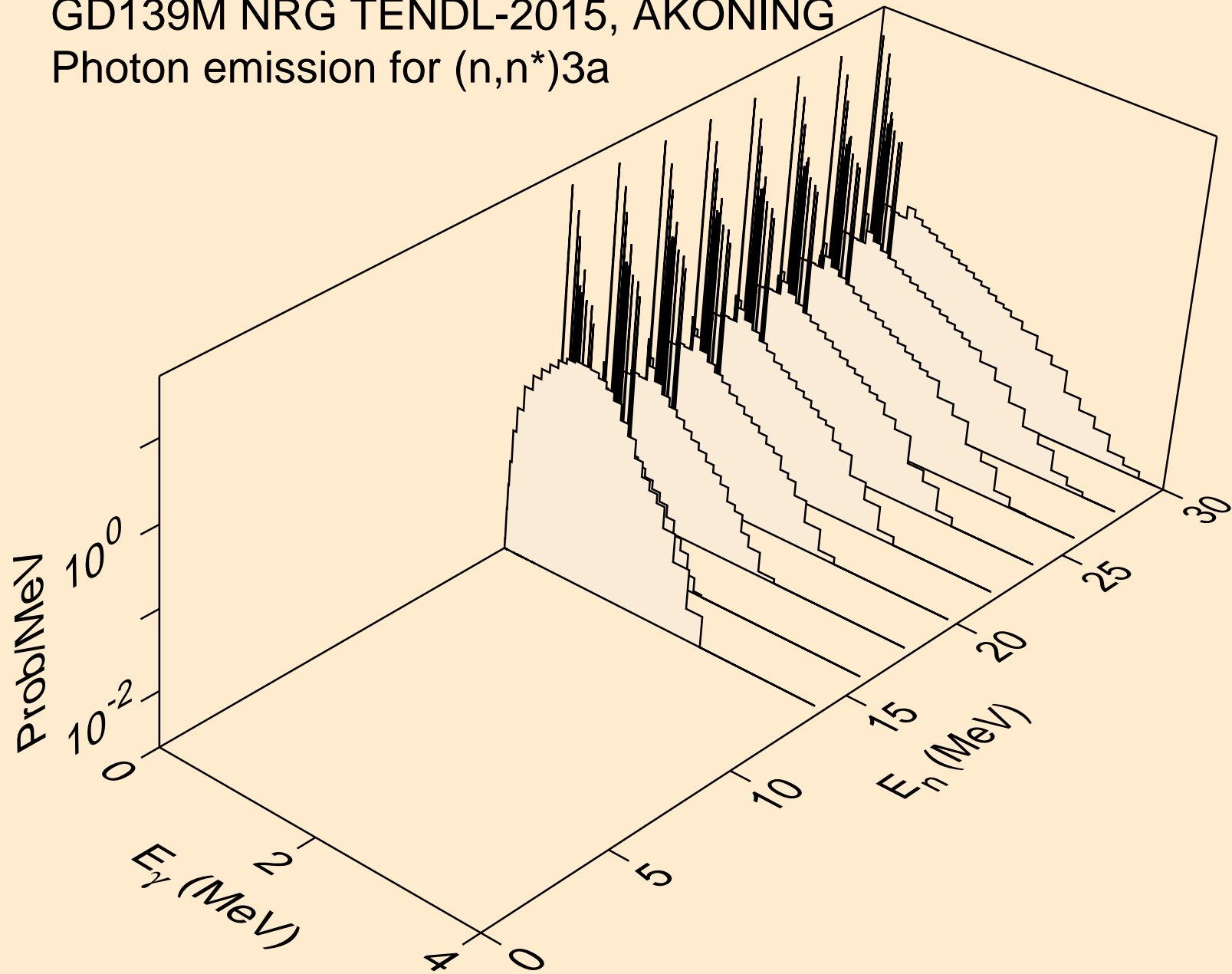
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



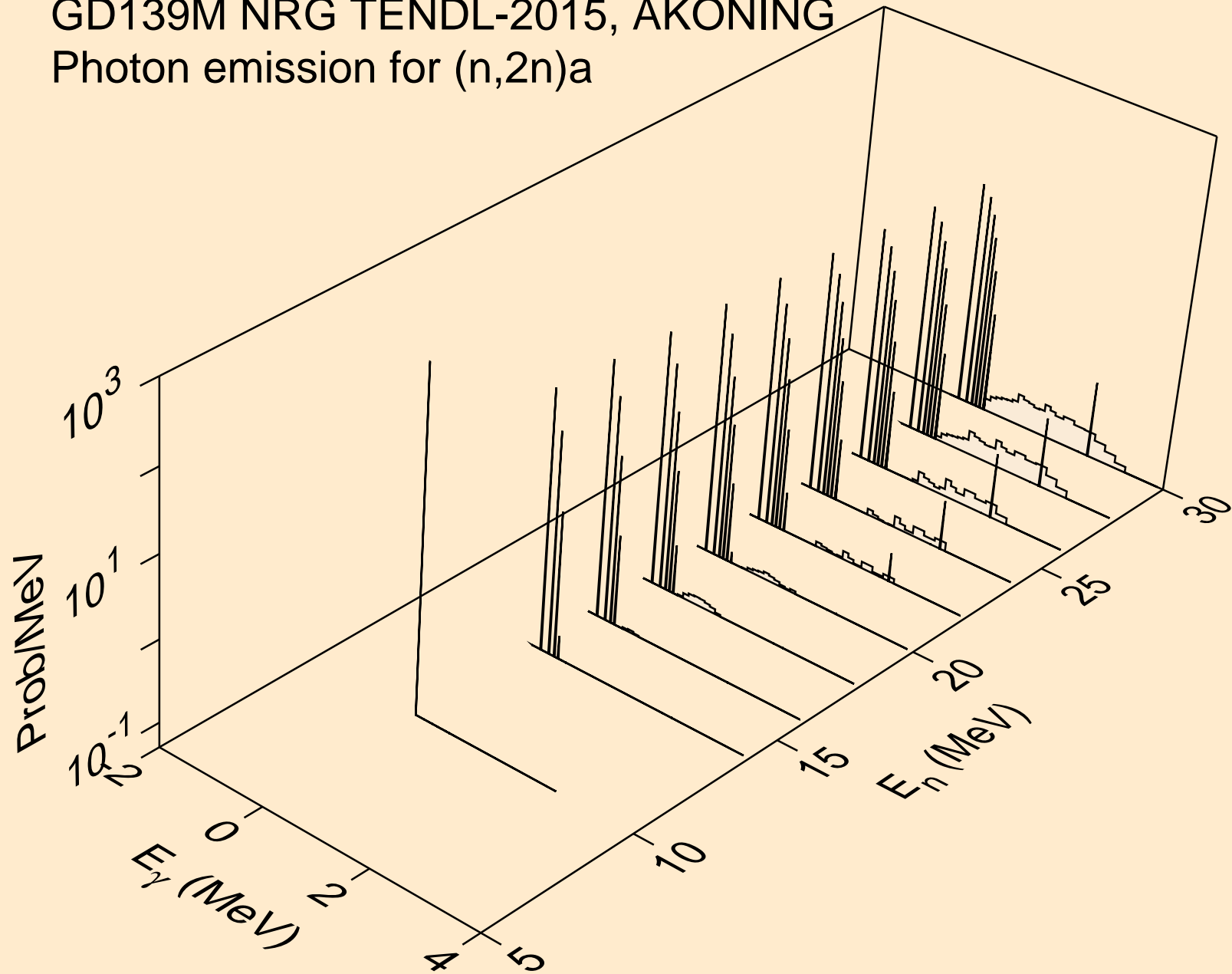
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



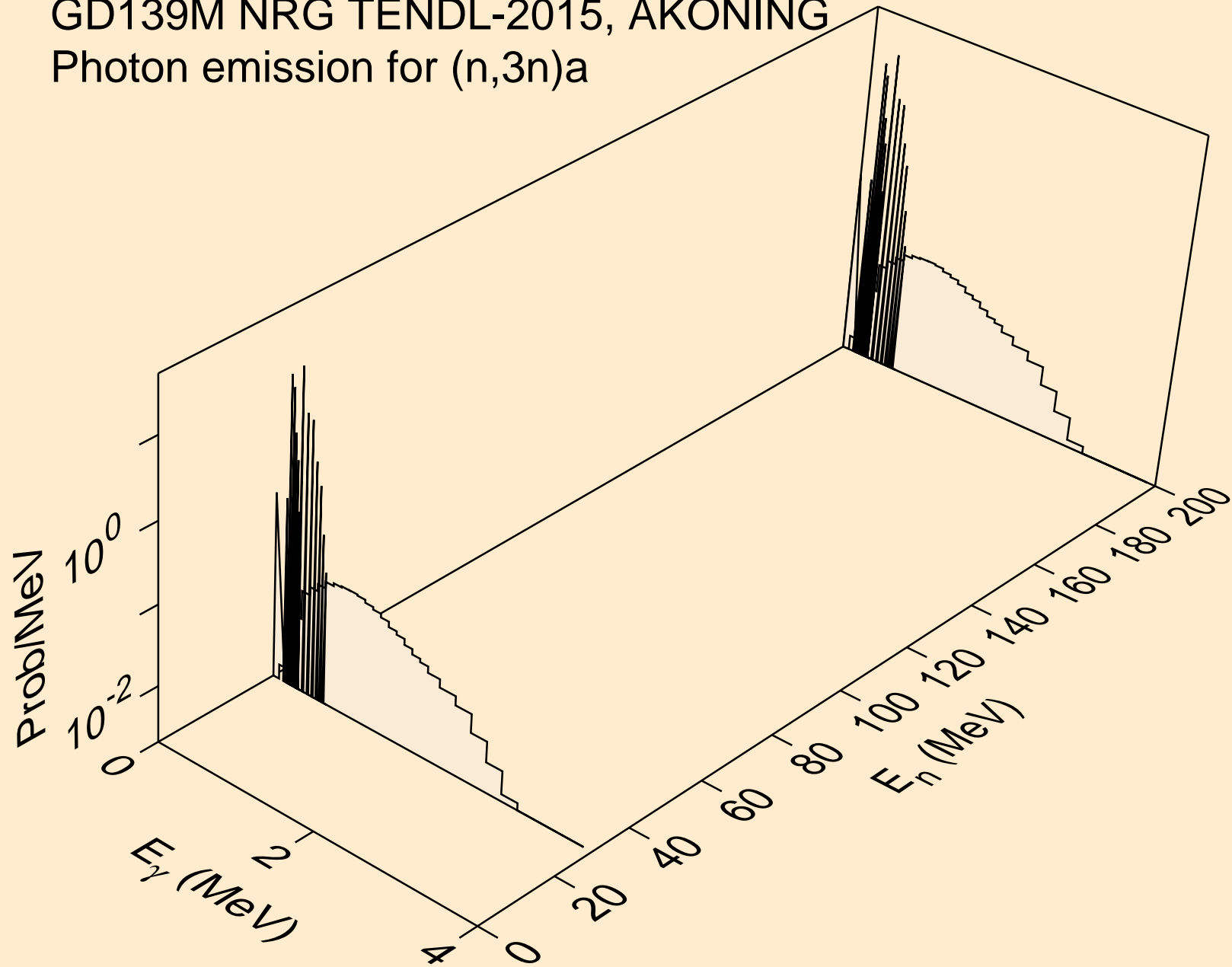
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



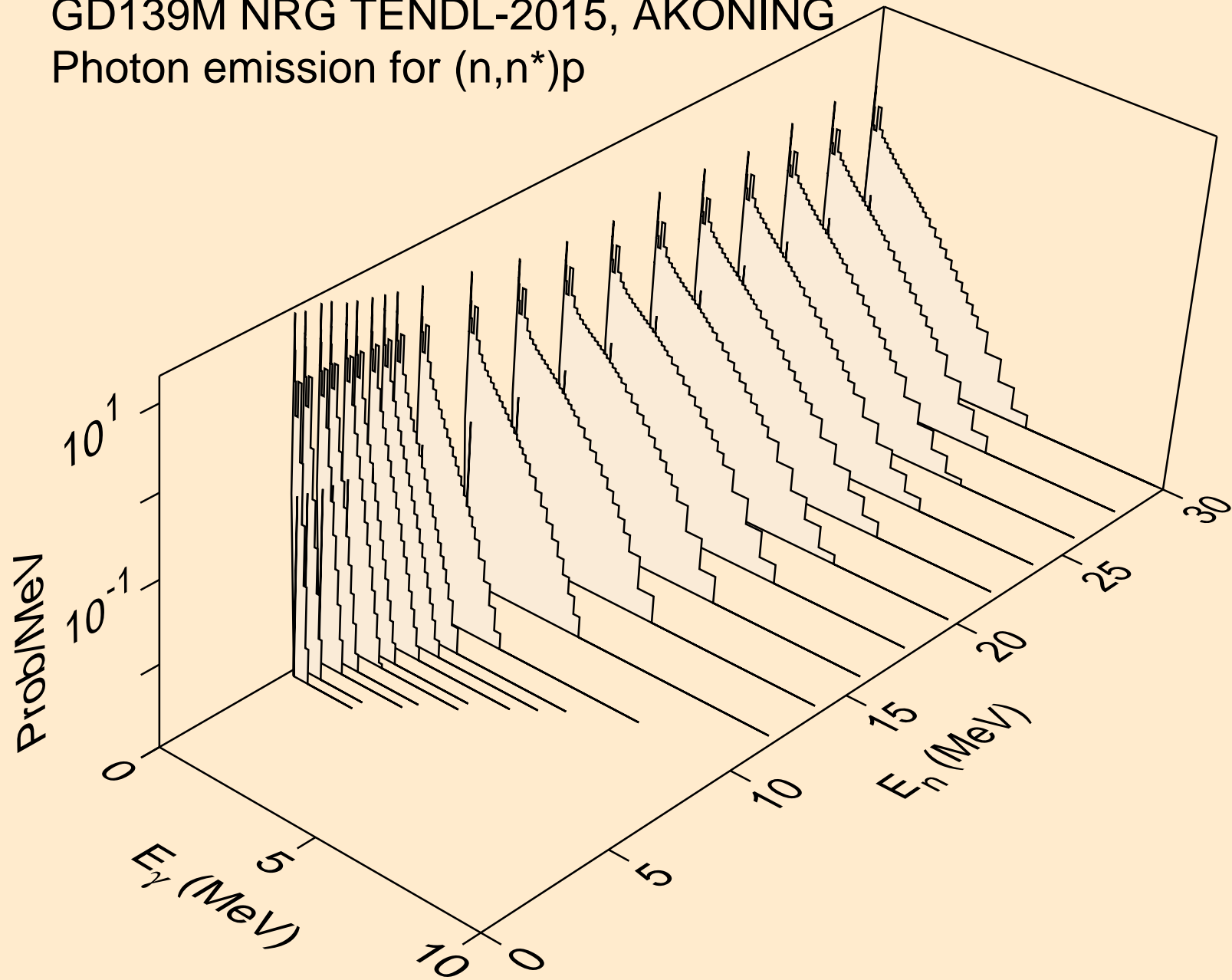
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



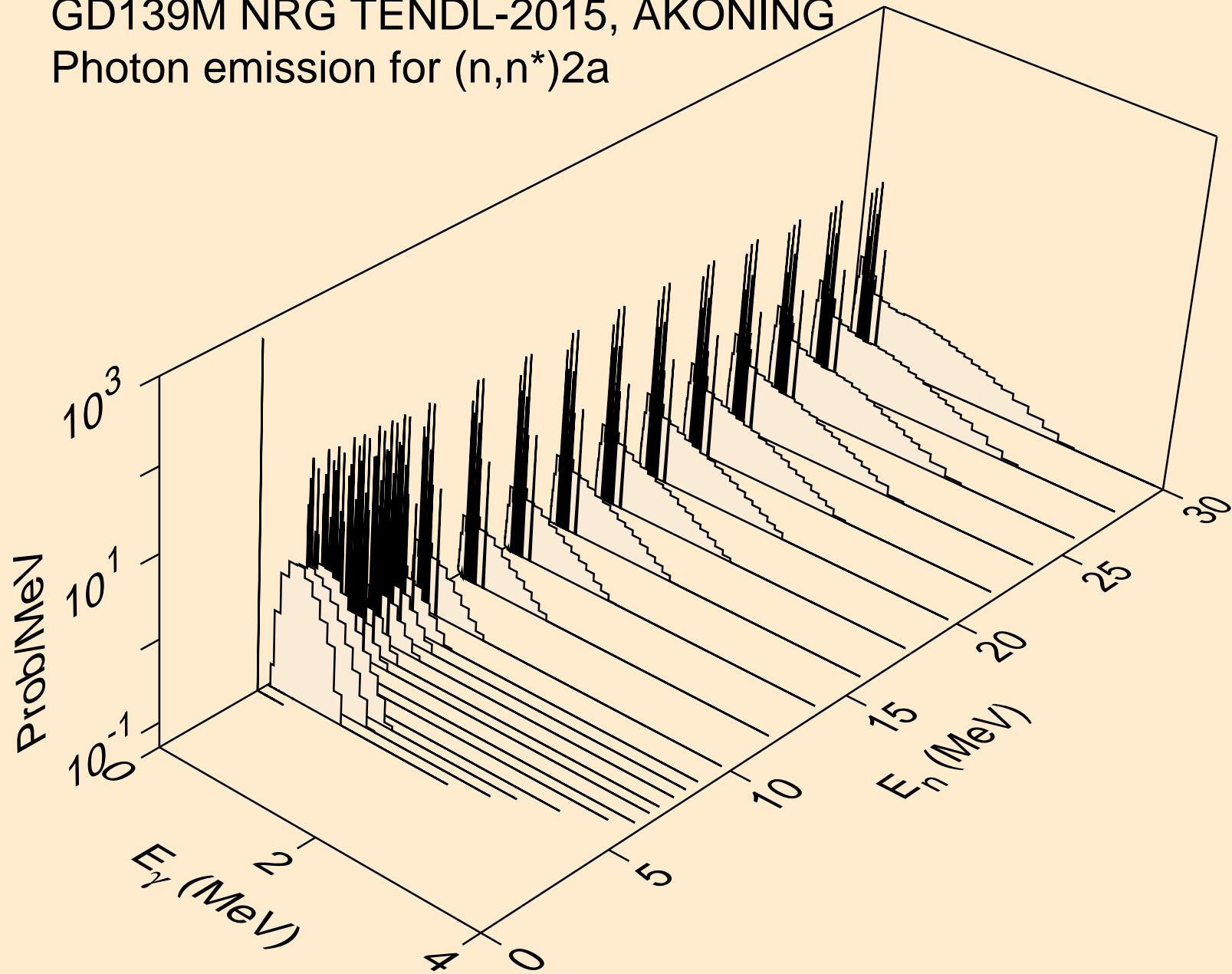
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



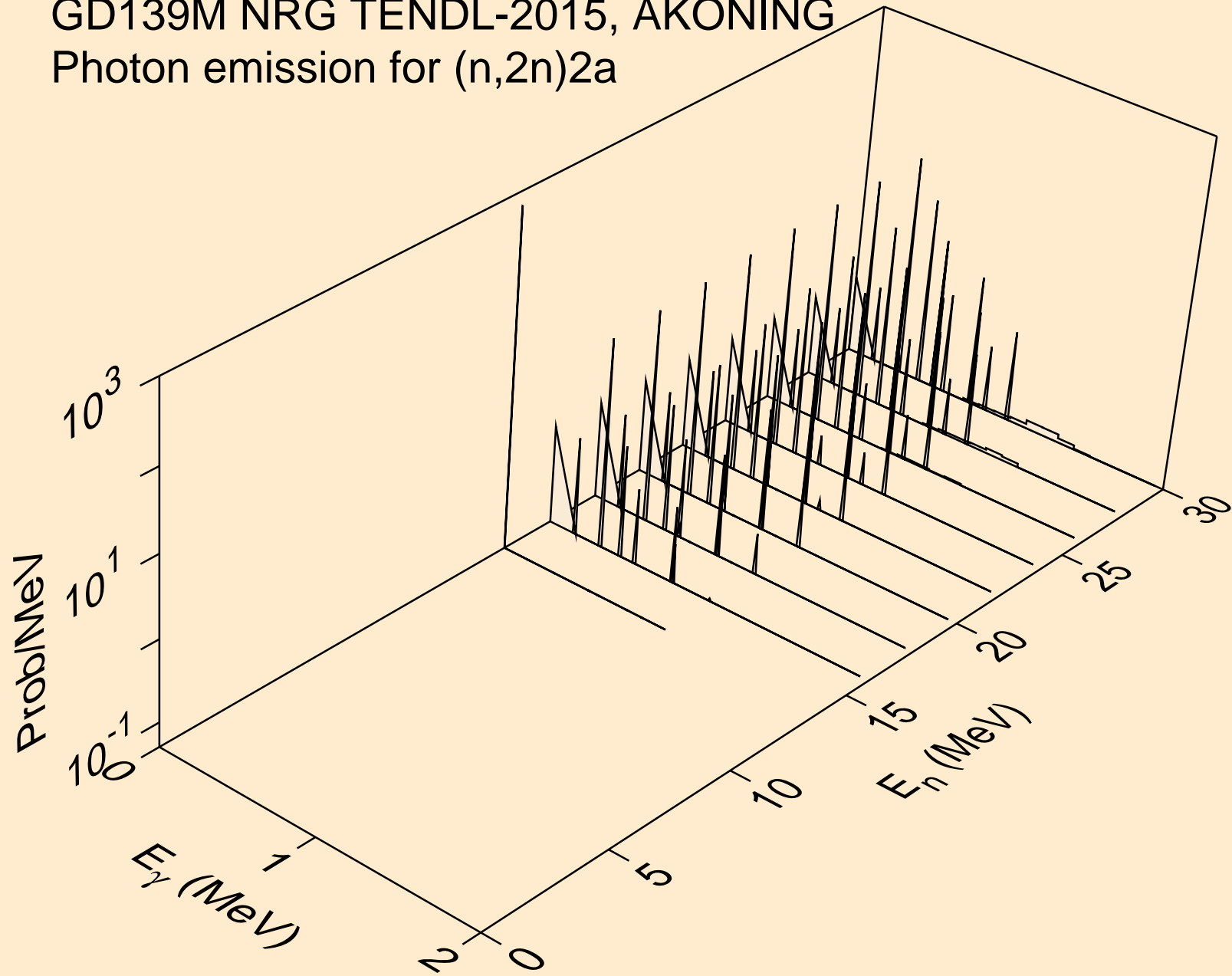
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a

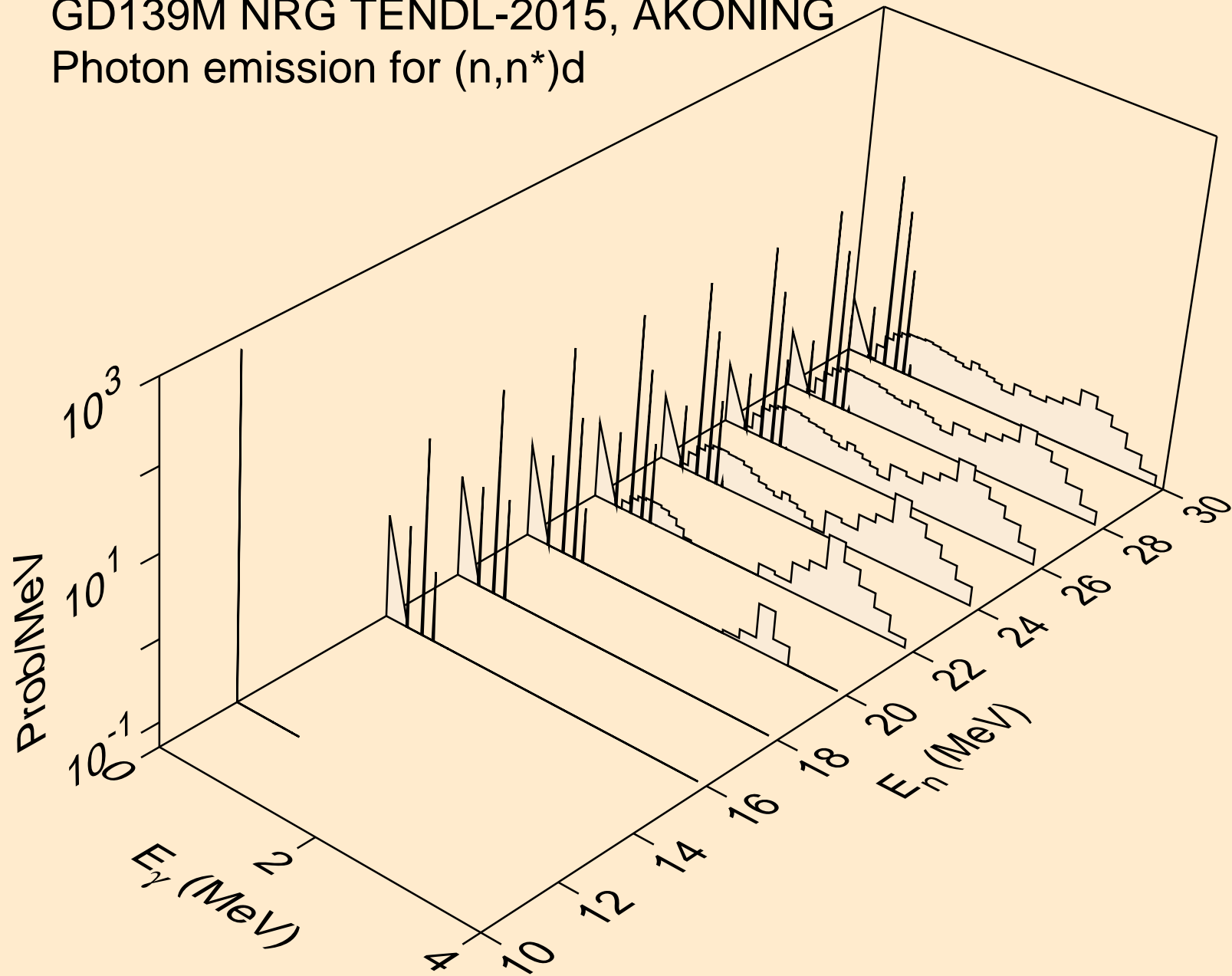


GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

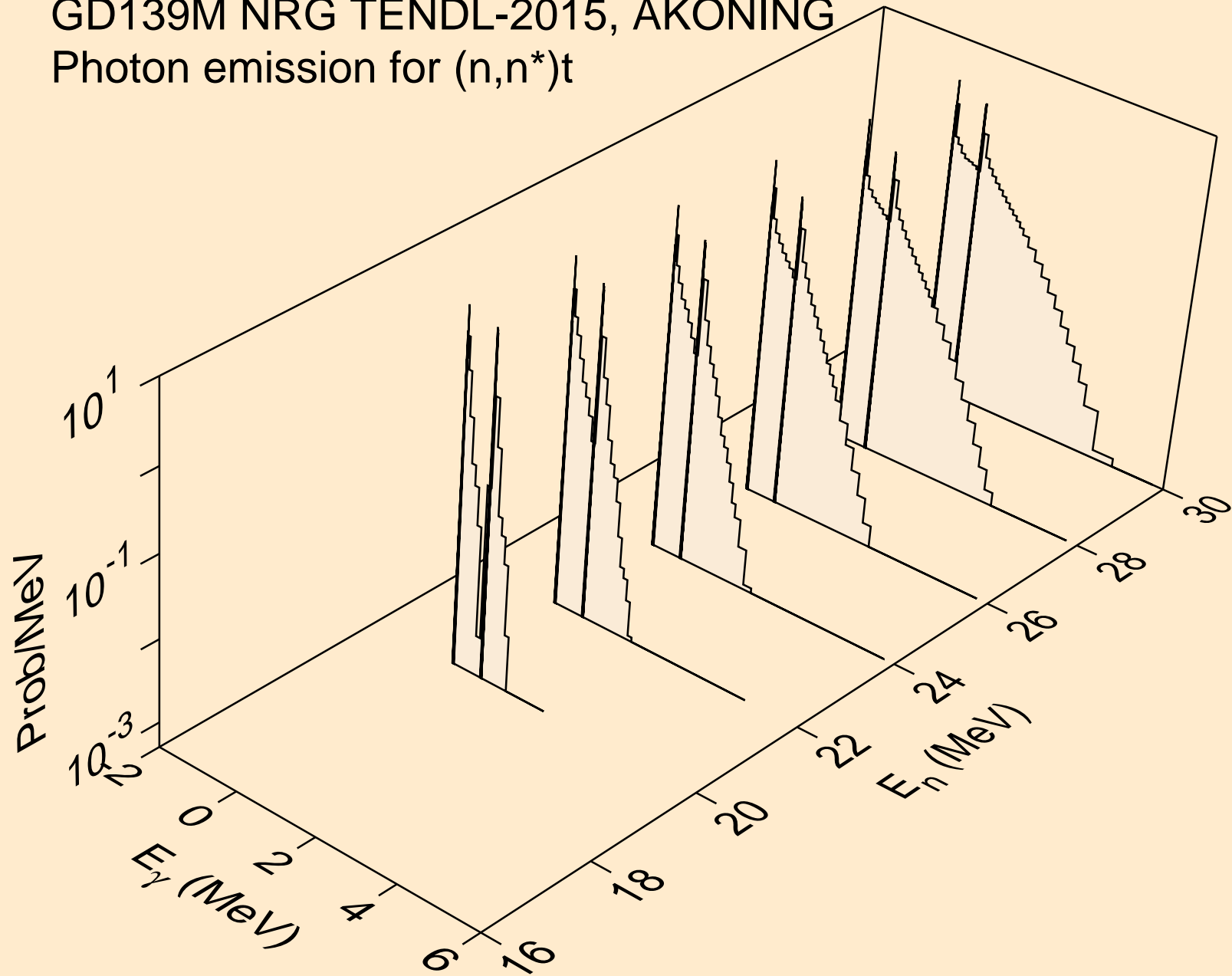




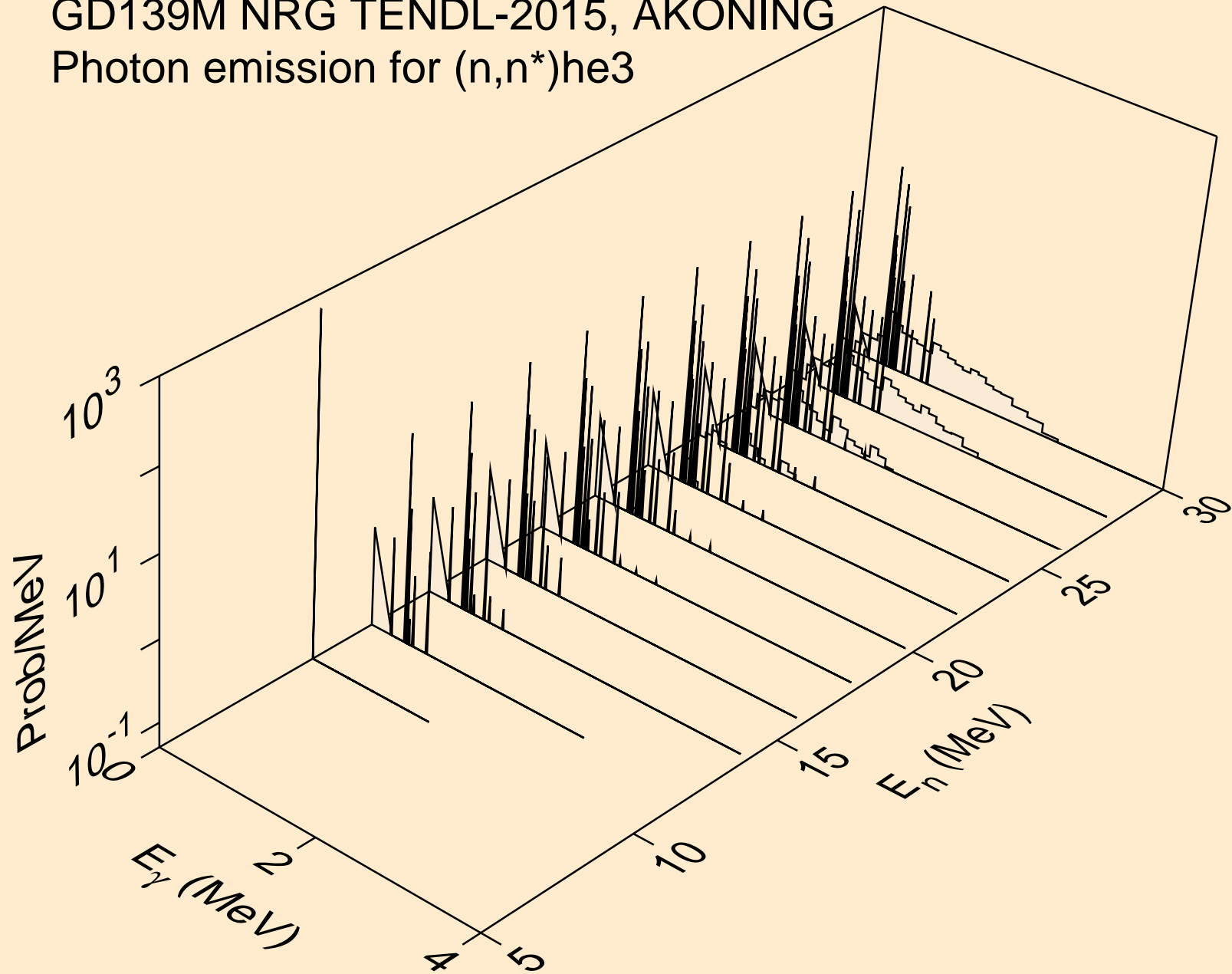
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



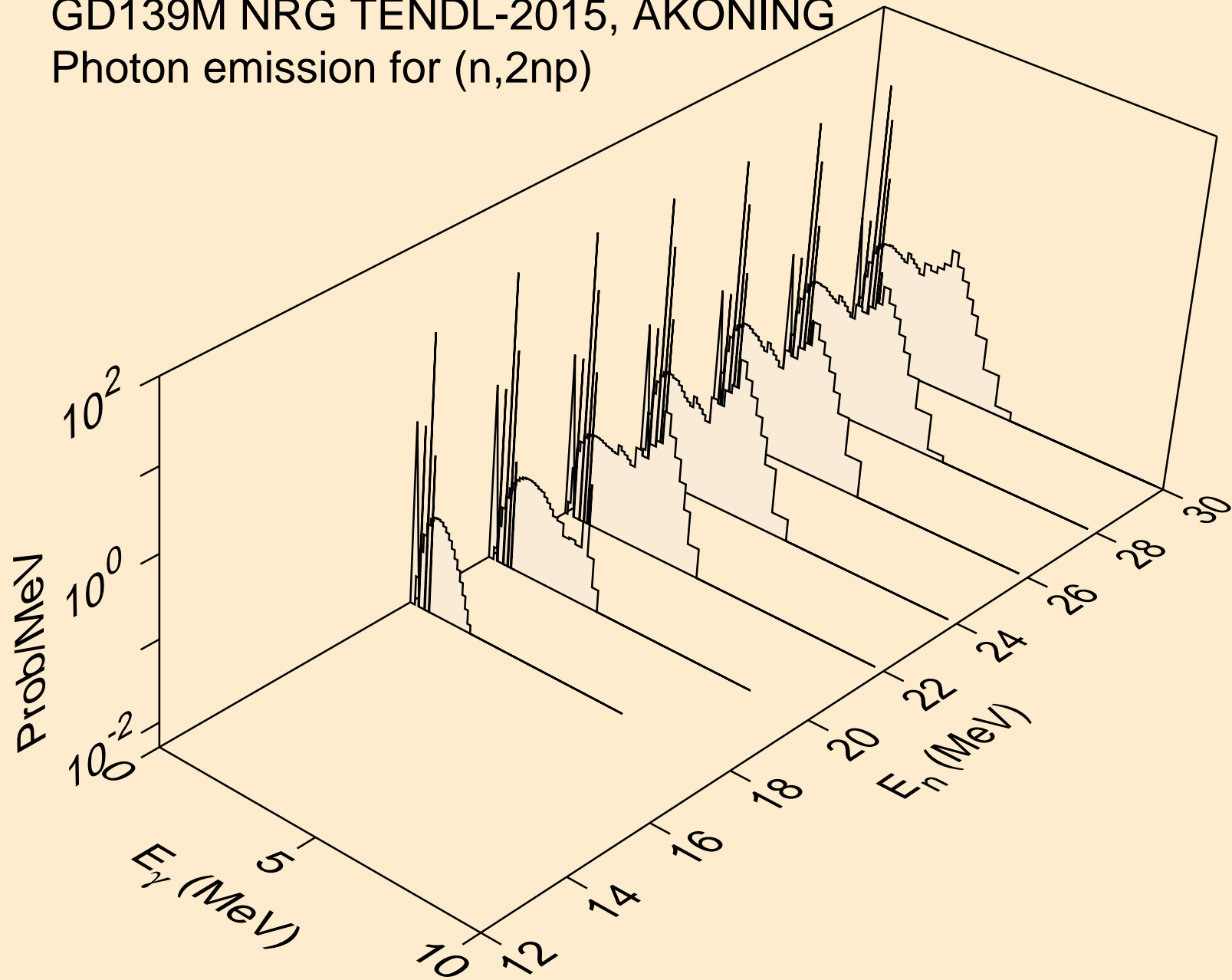
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



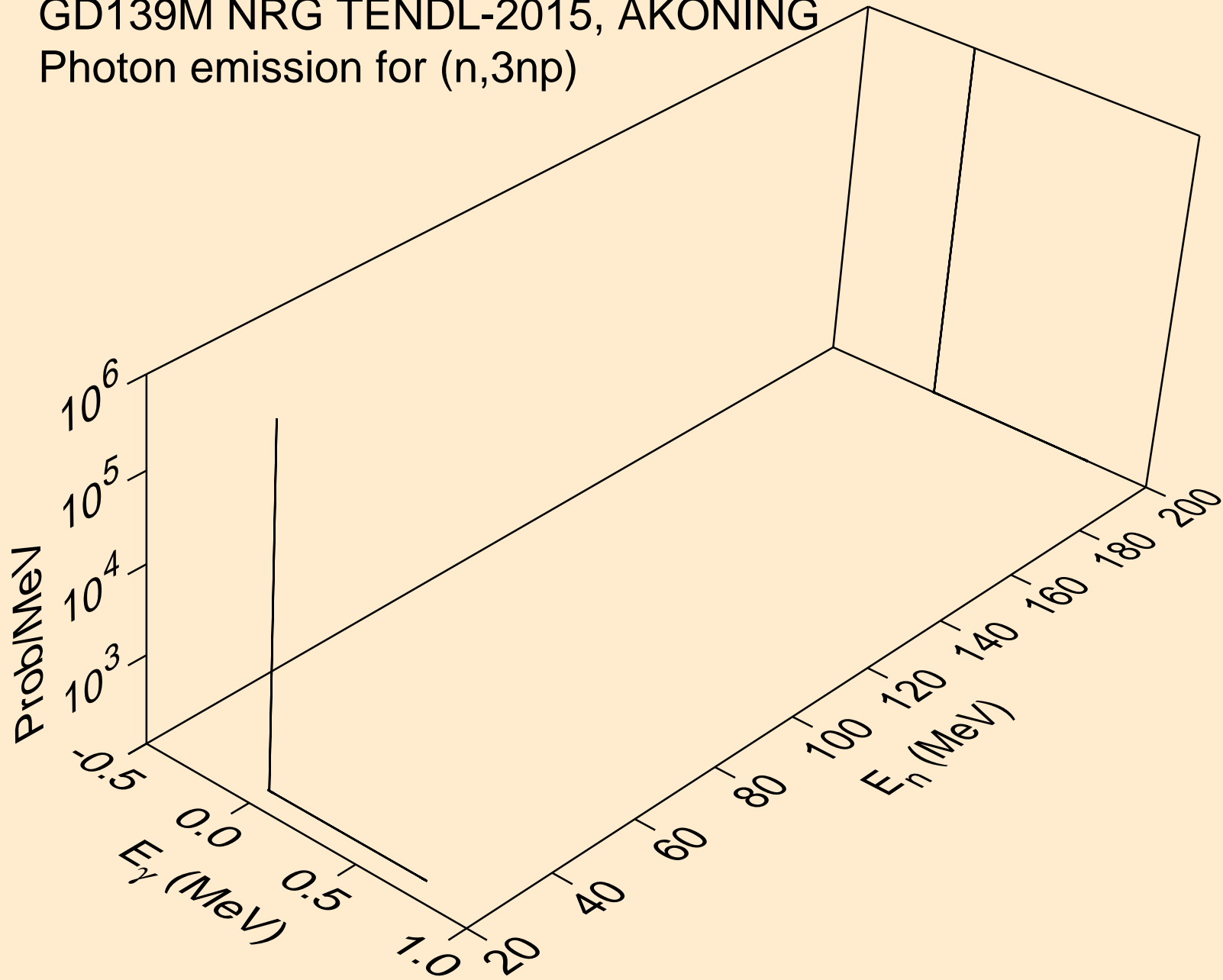
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



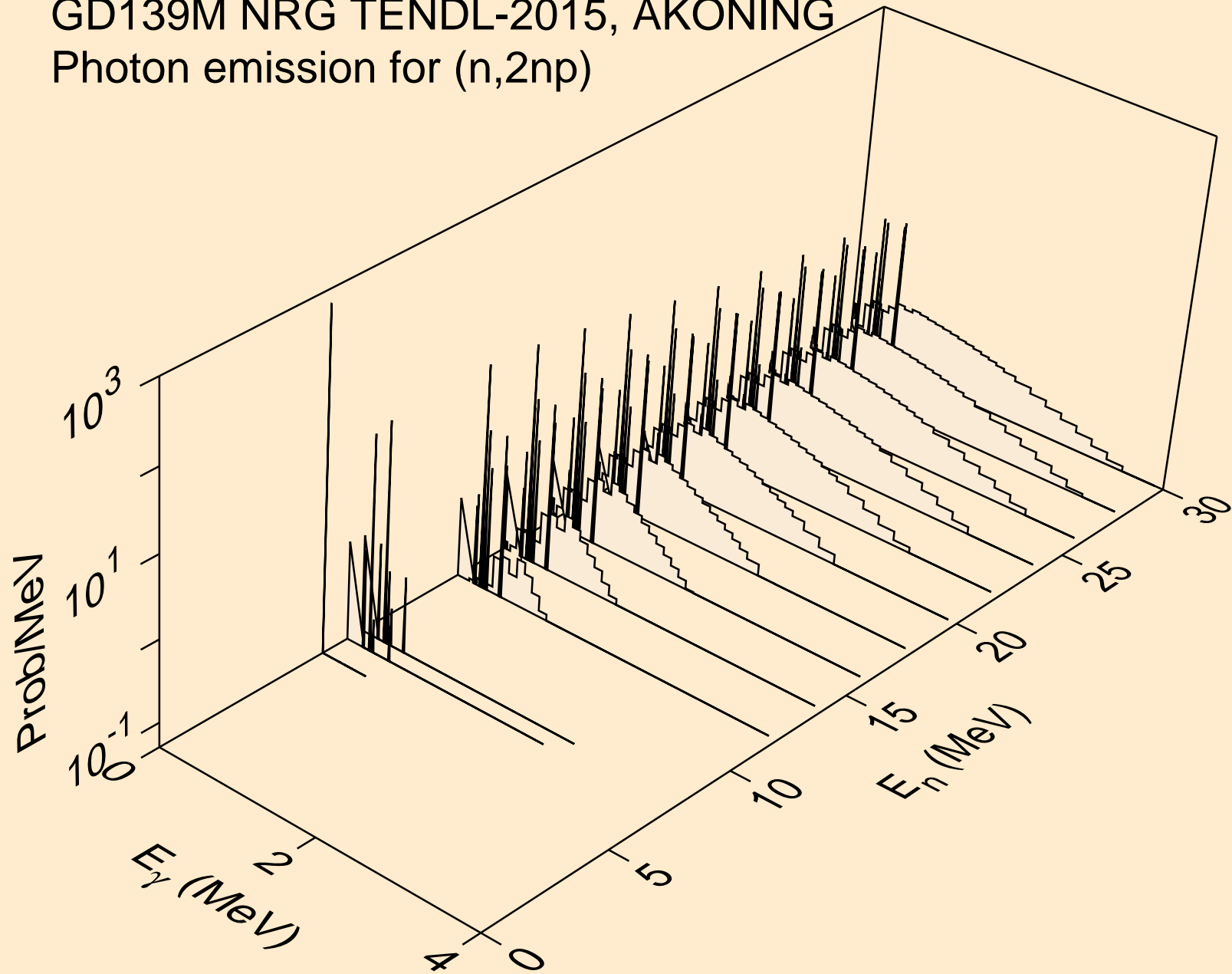
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



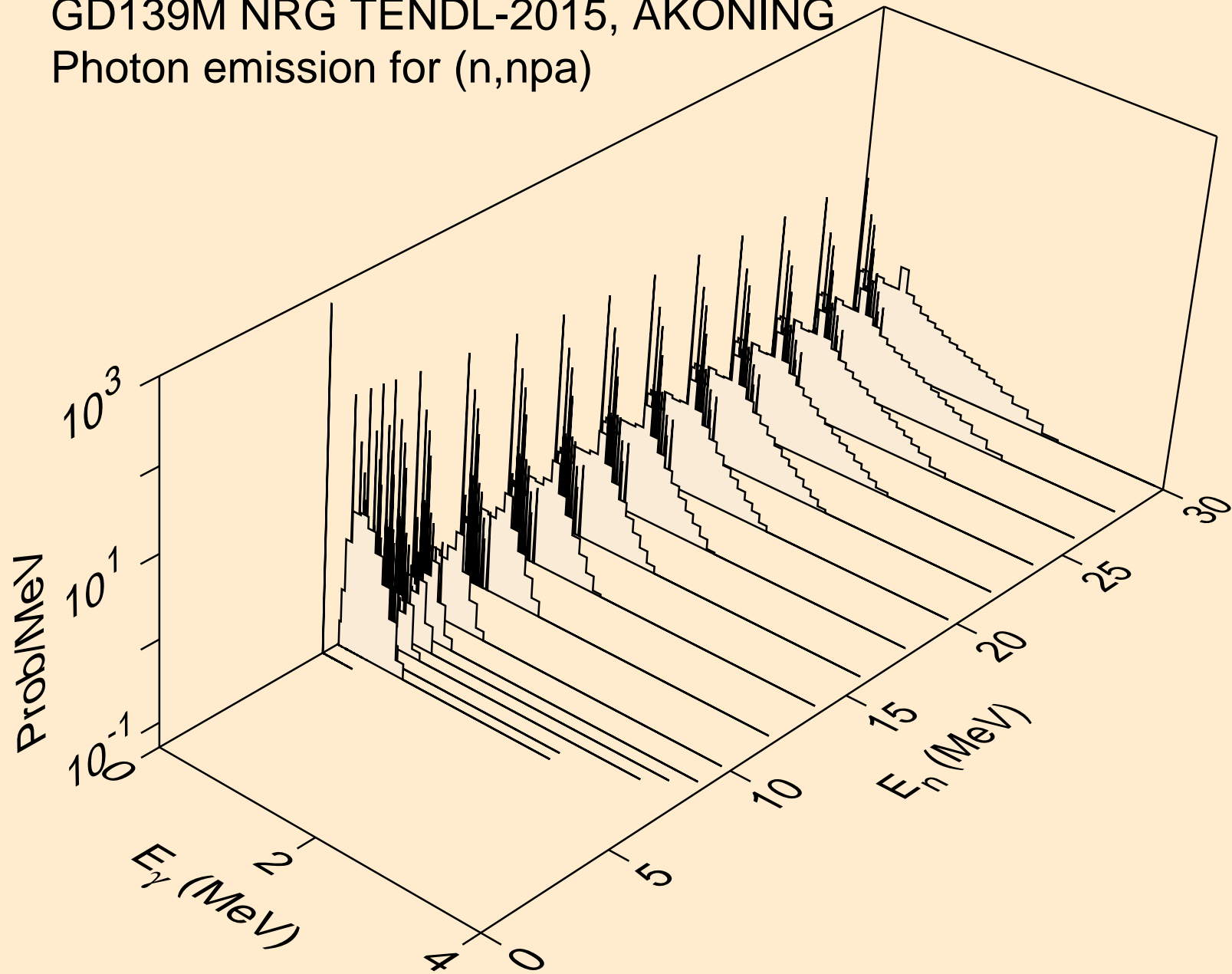
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



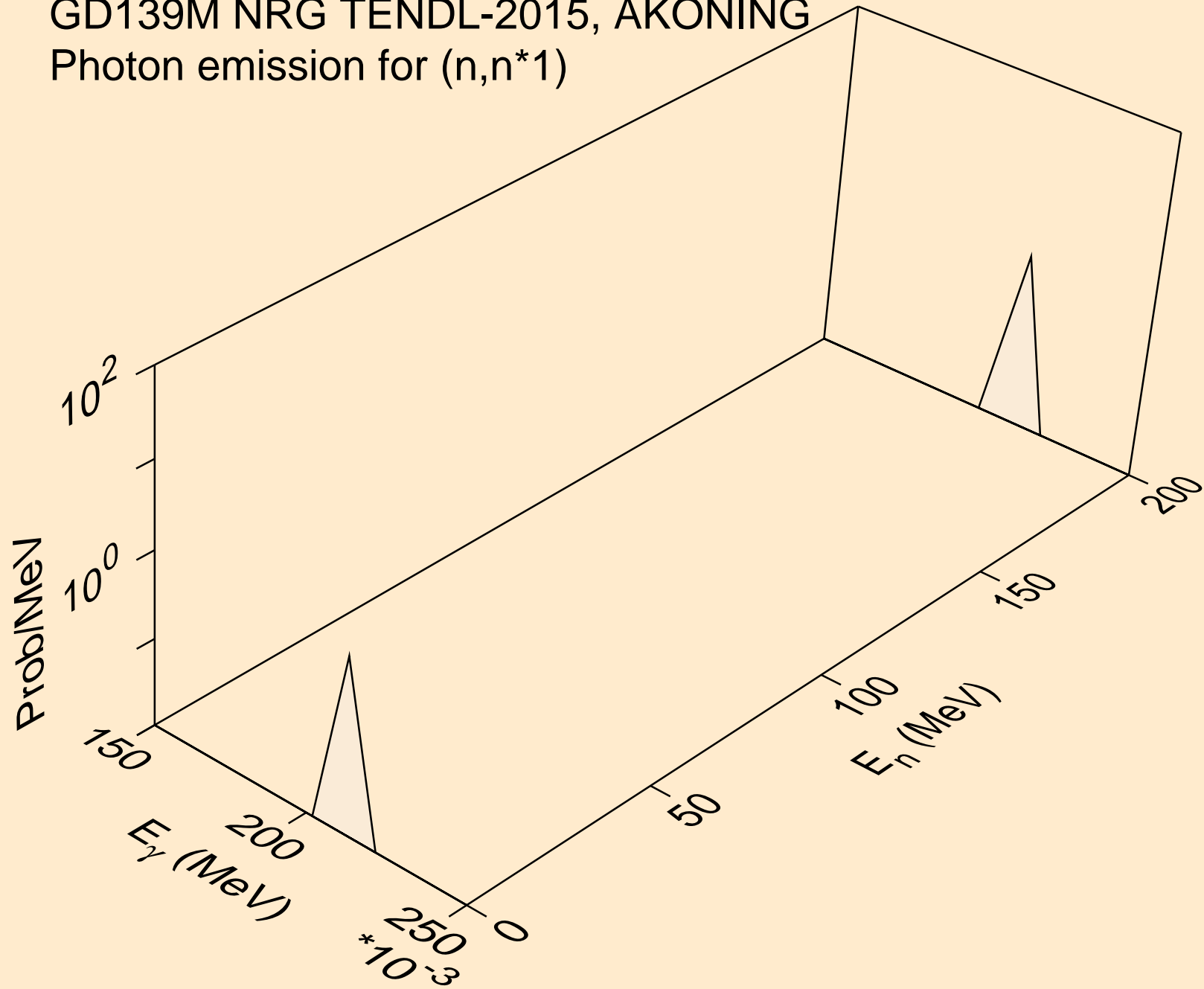
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,npa)

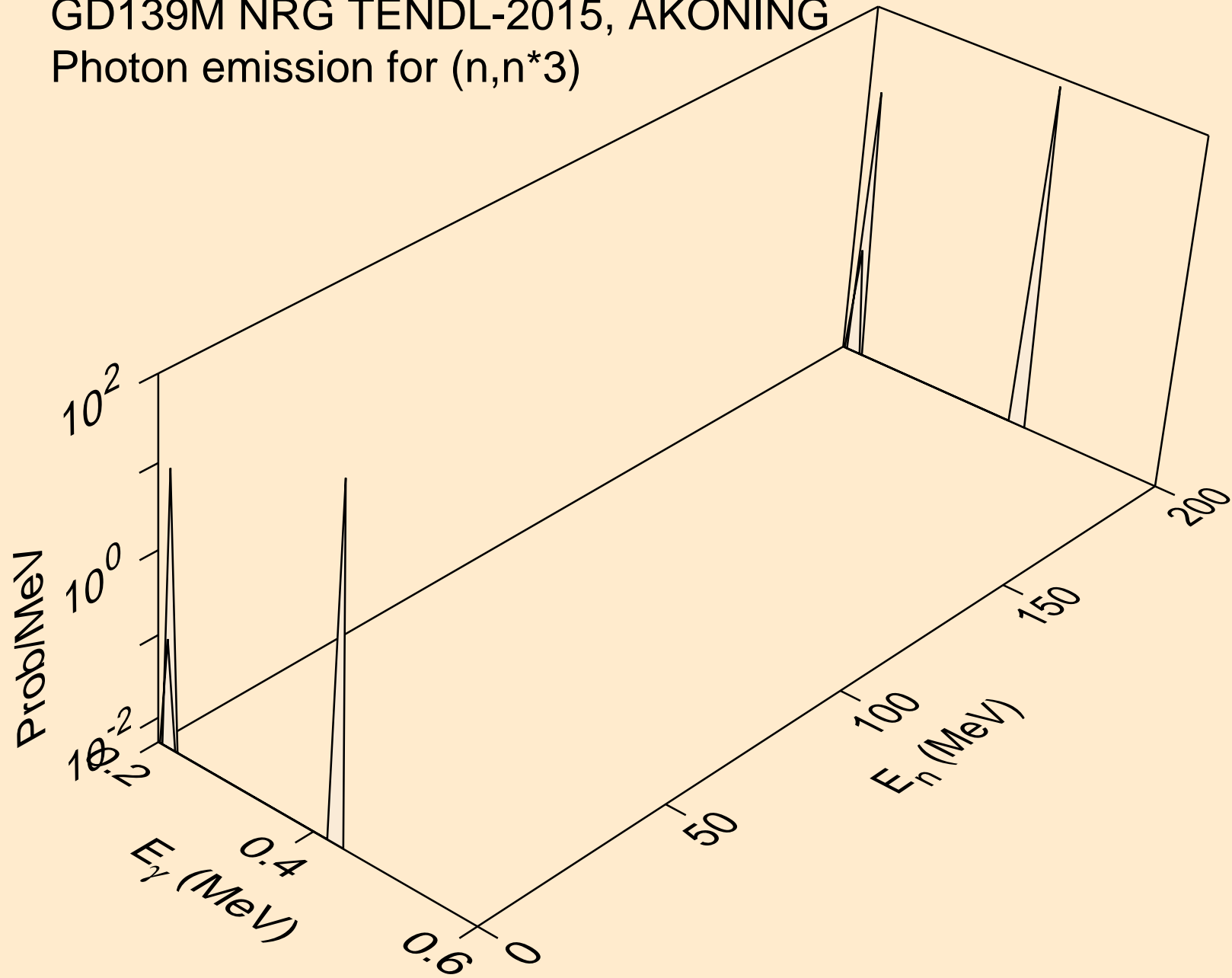


GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*1)

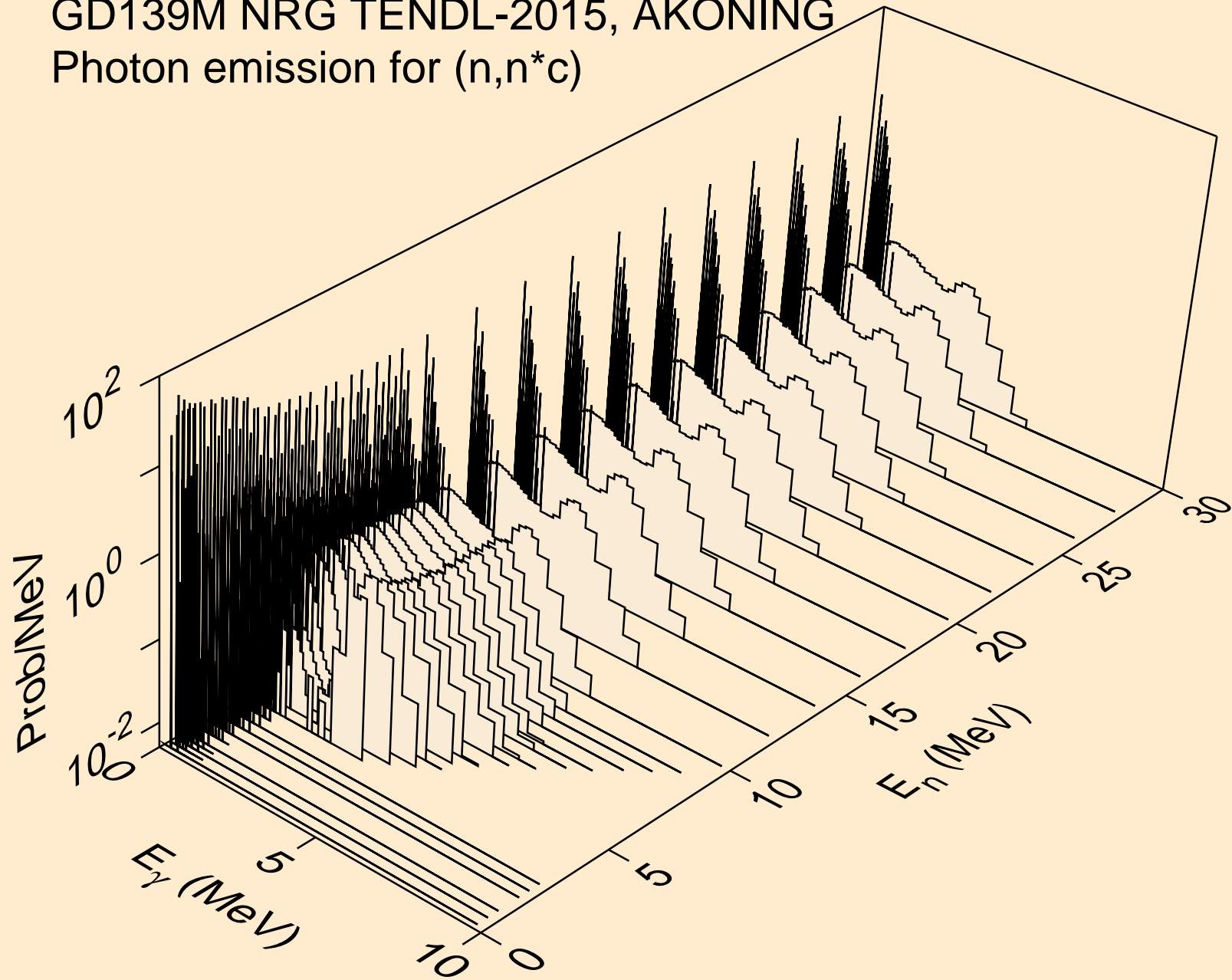




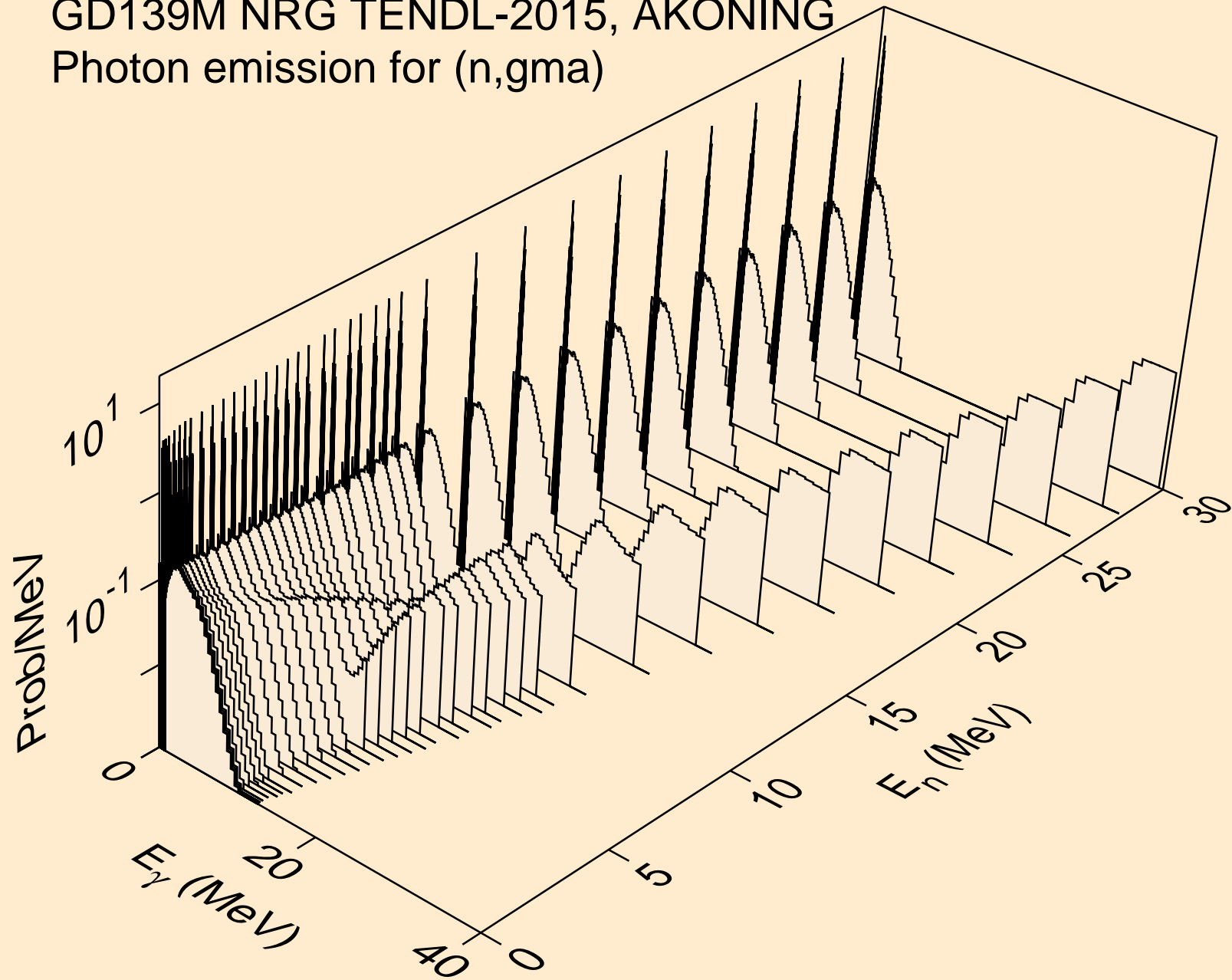
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*3)



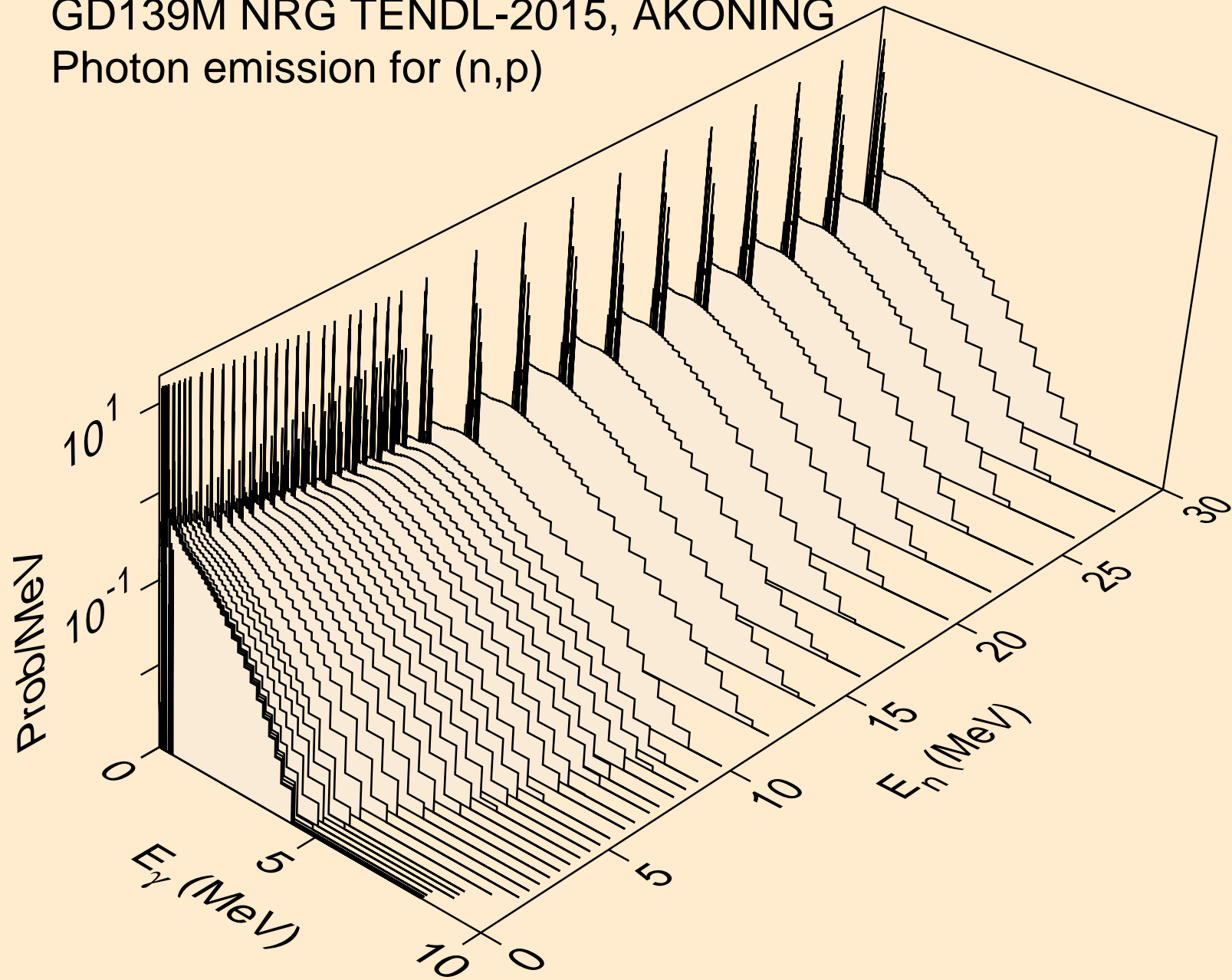
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



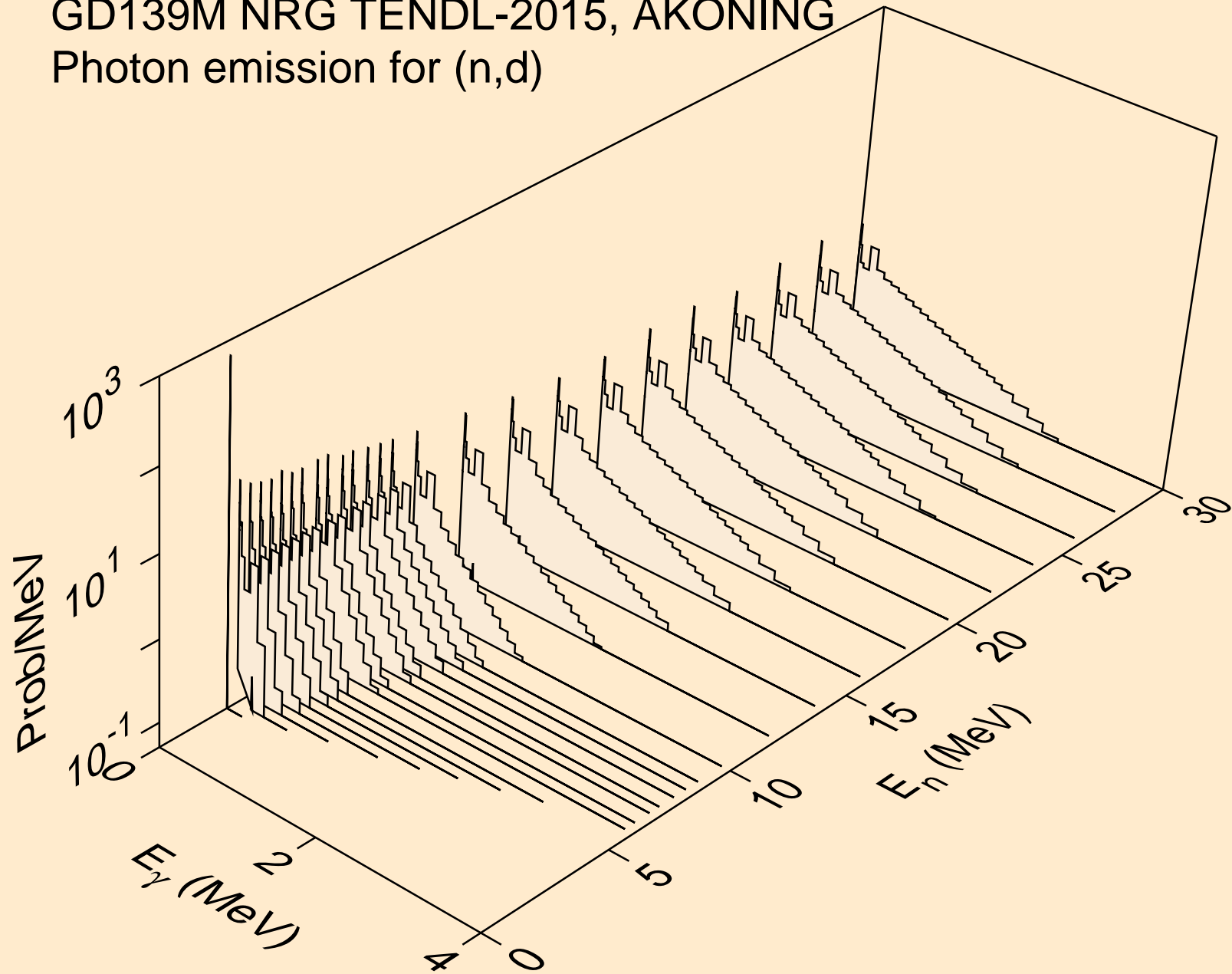
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



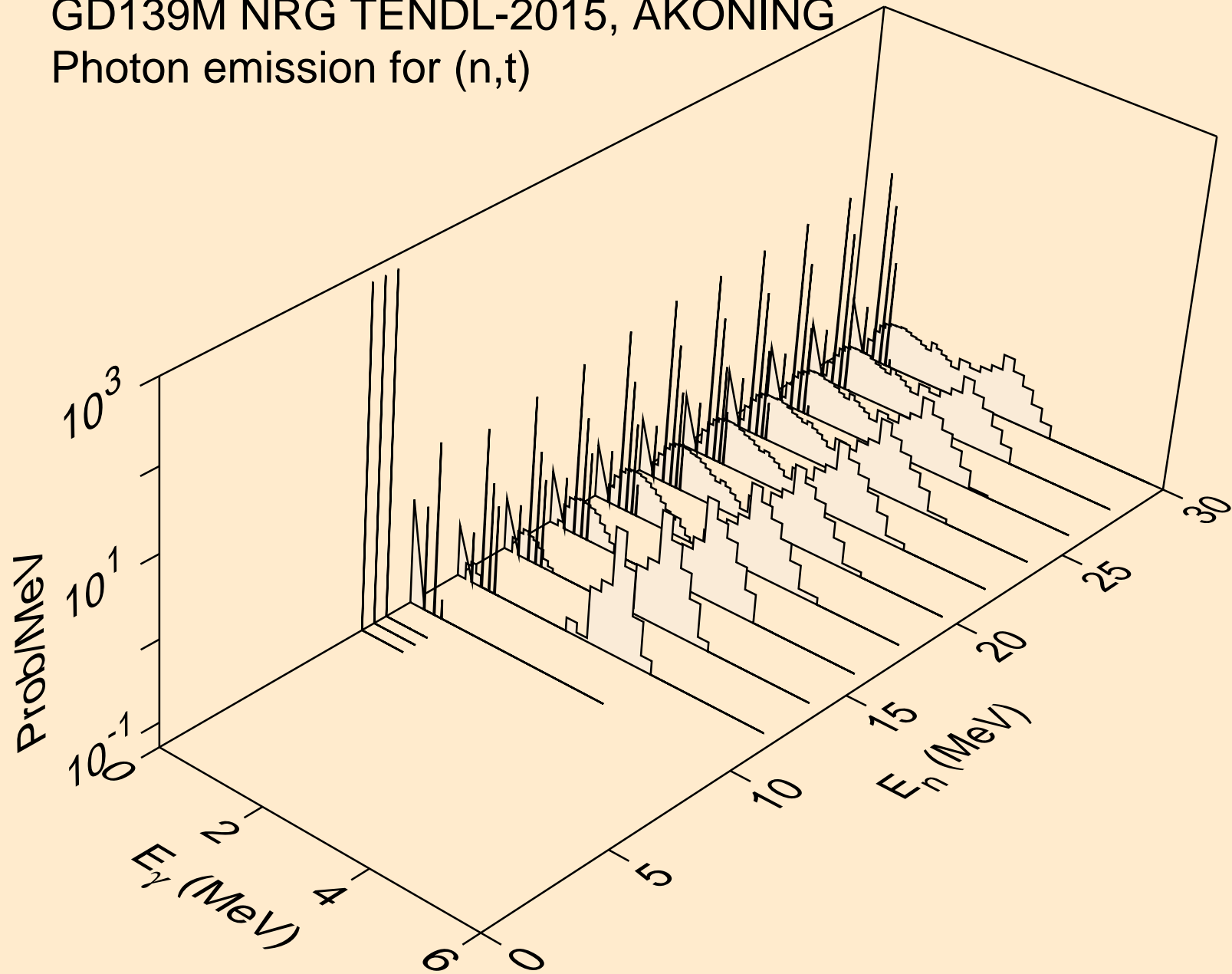
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,p)



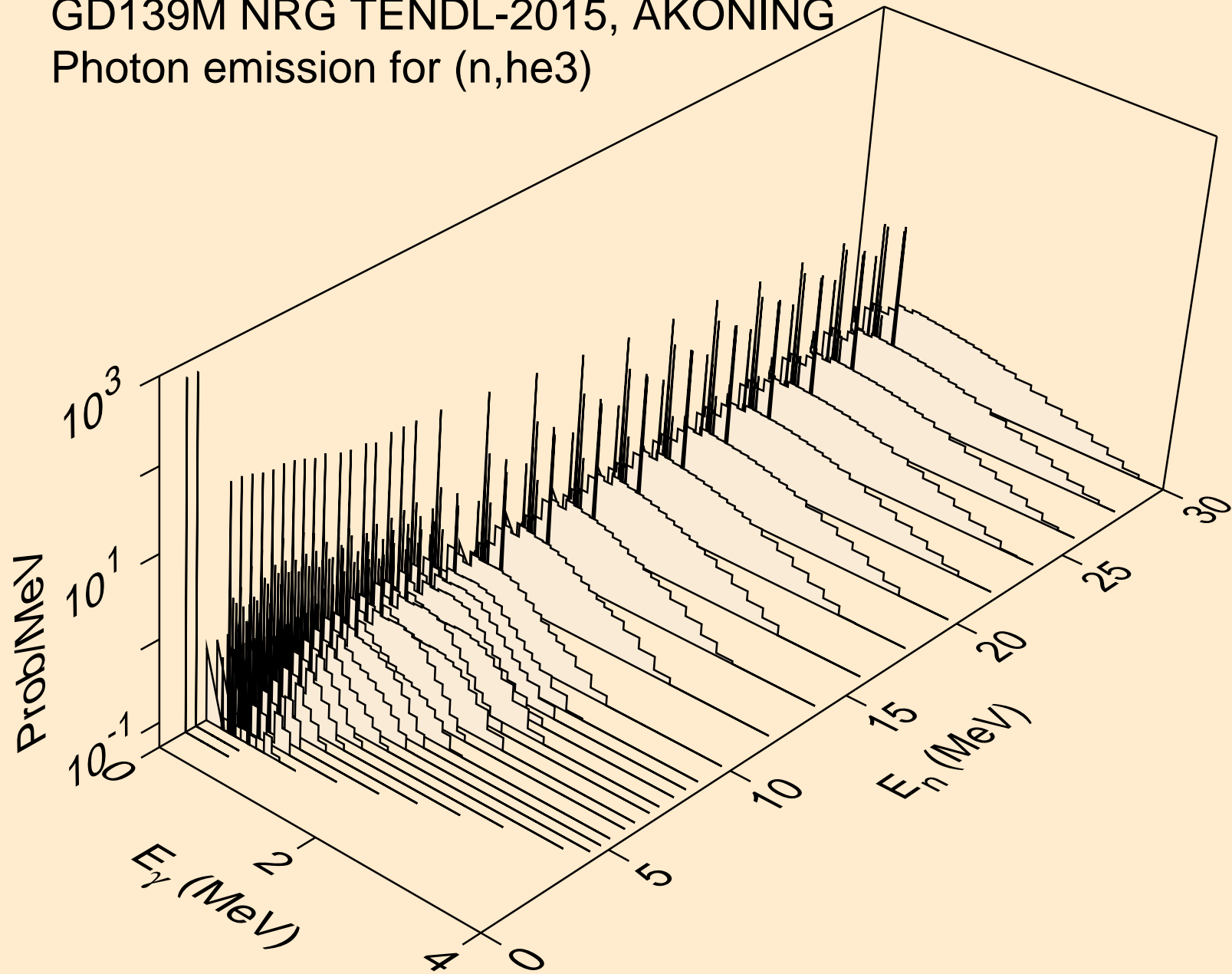
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,d)



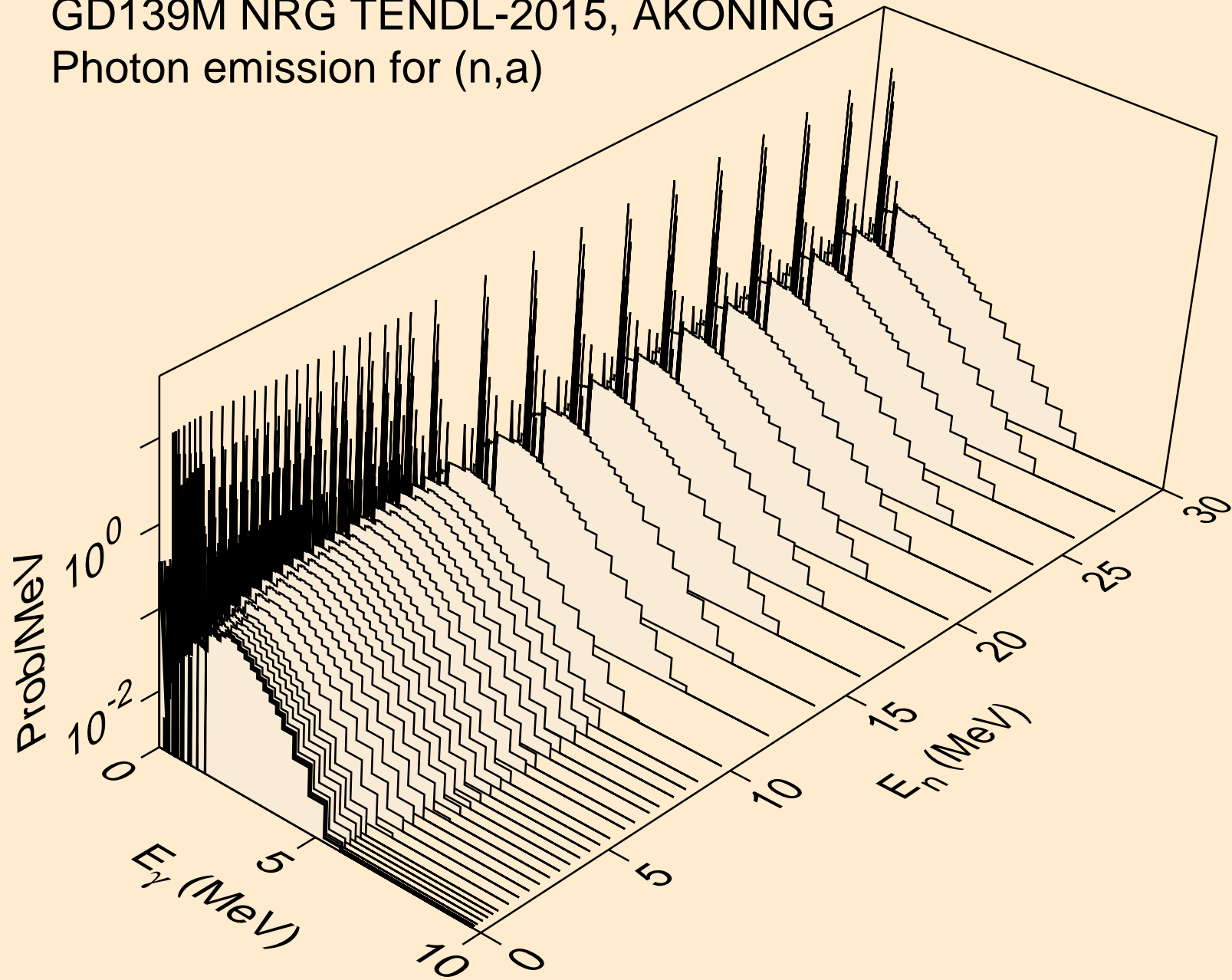
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,t)



GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,he3)

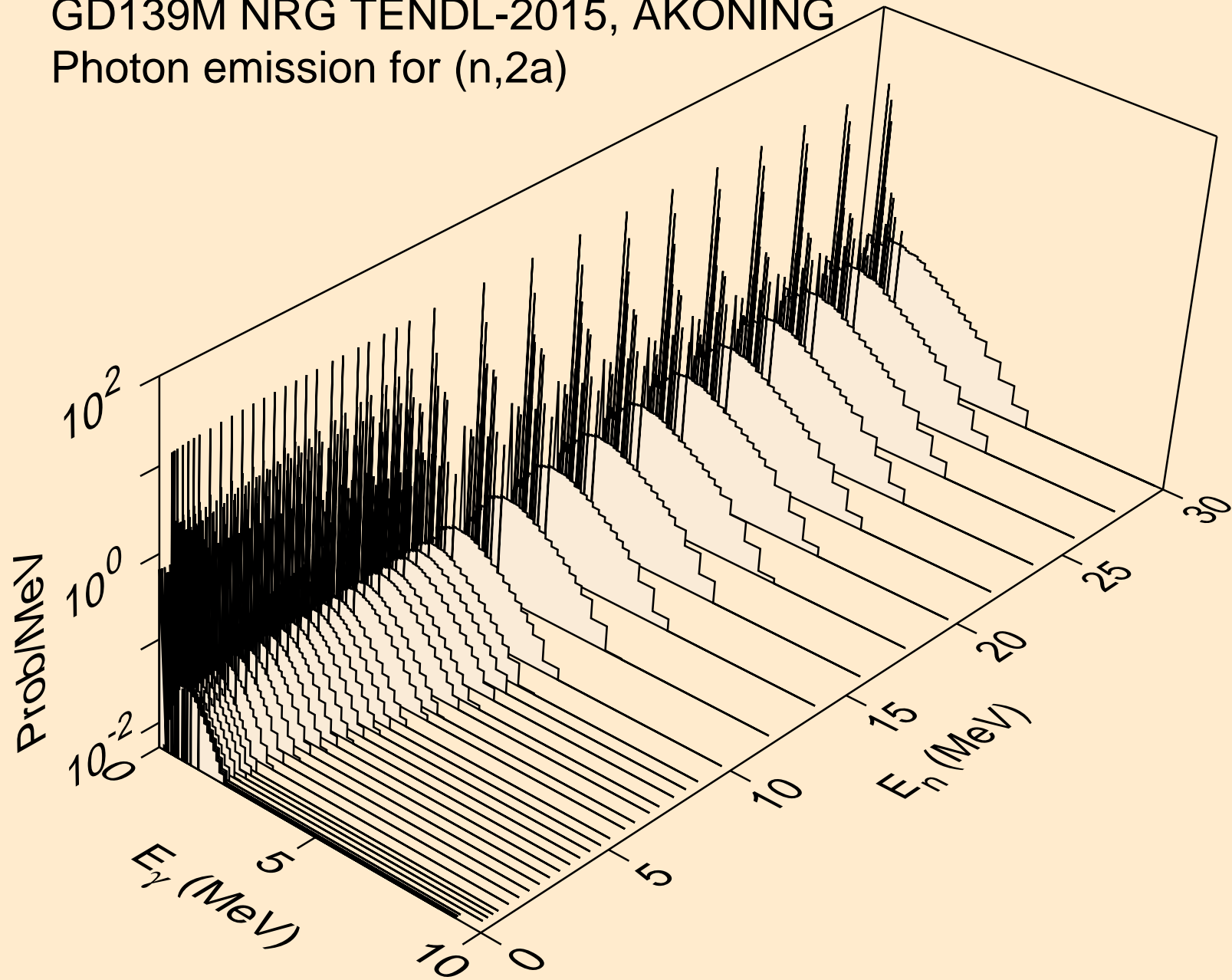


GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,a)

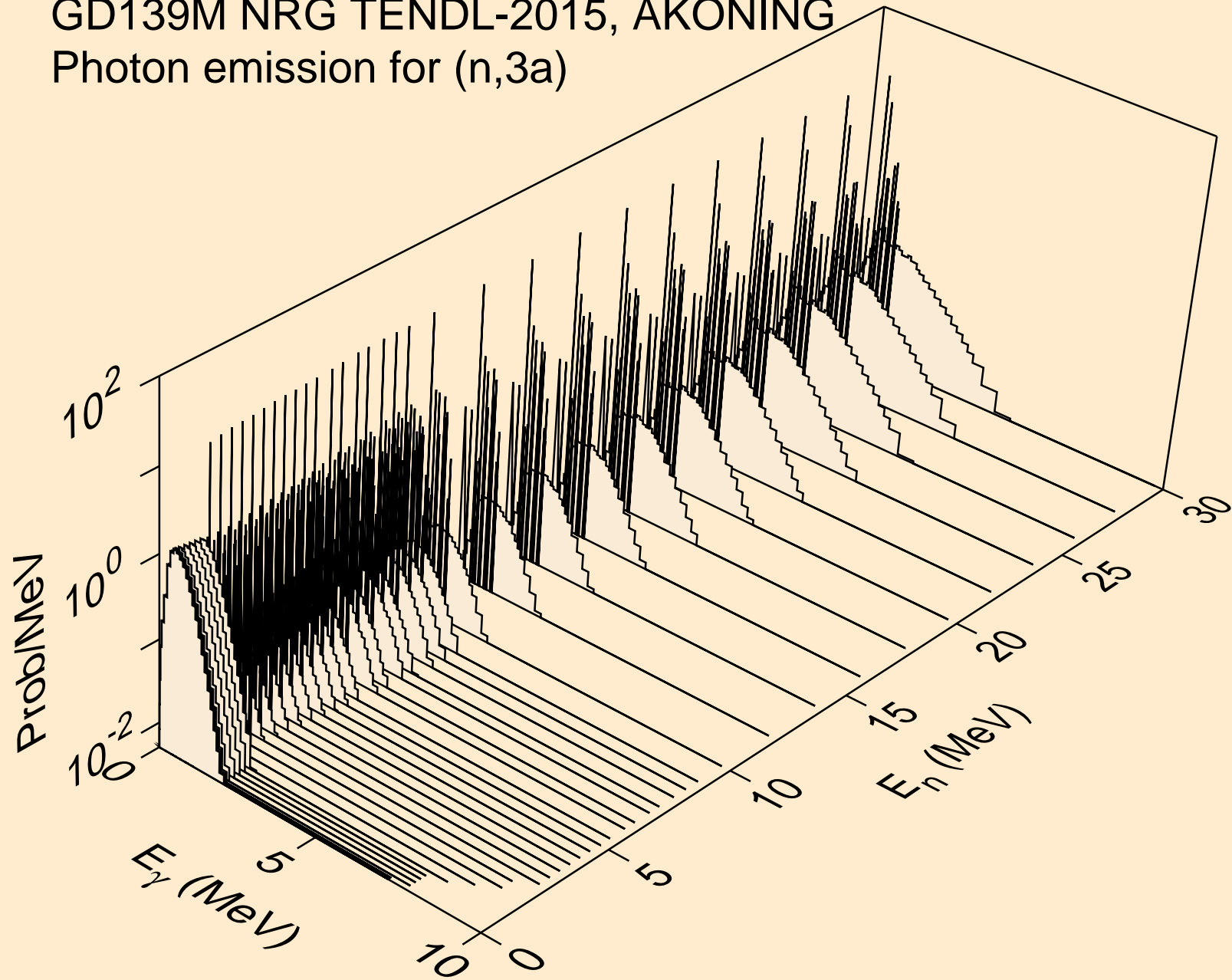




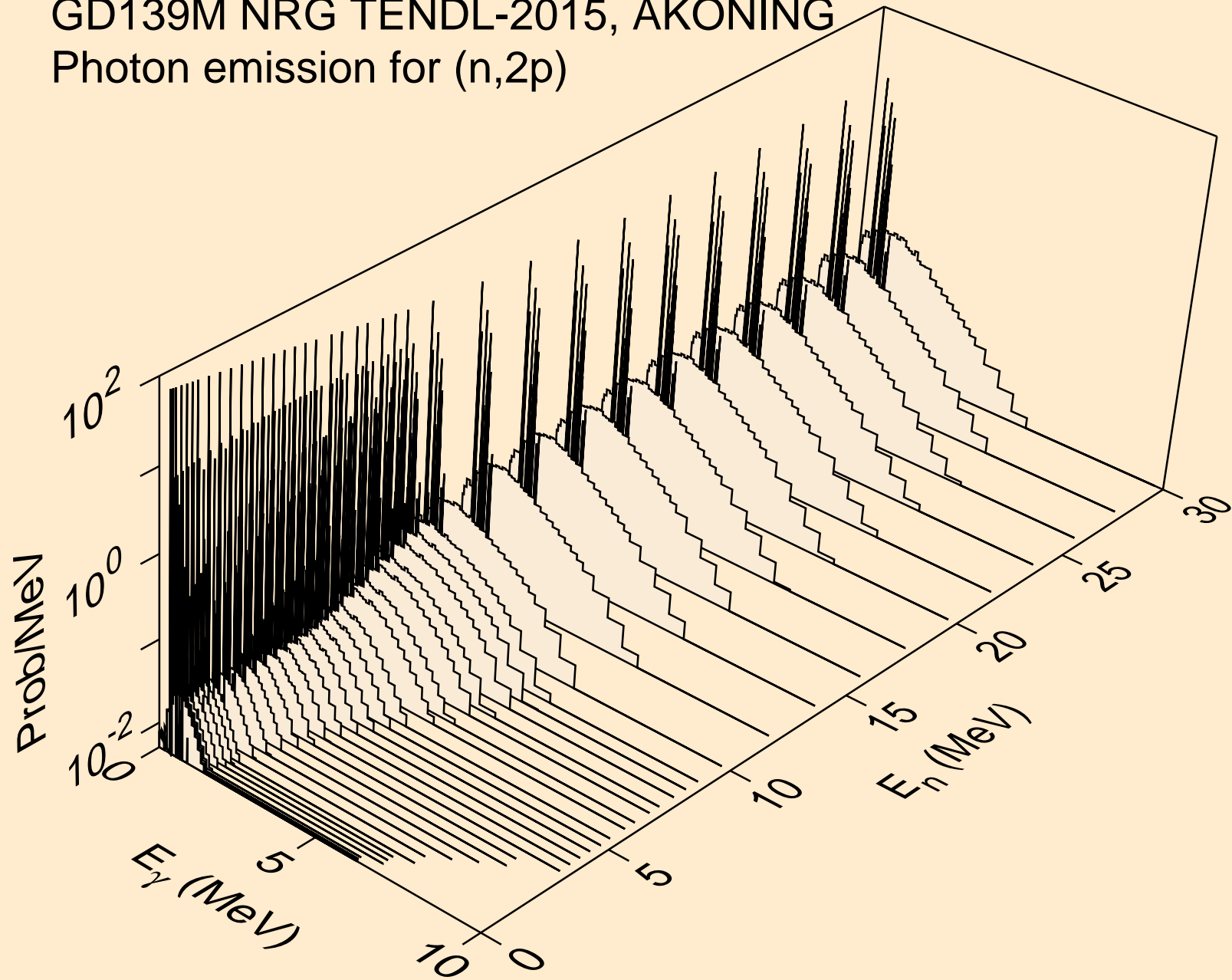
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



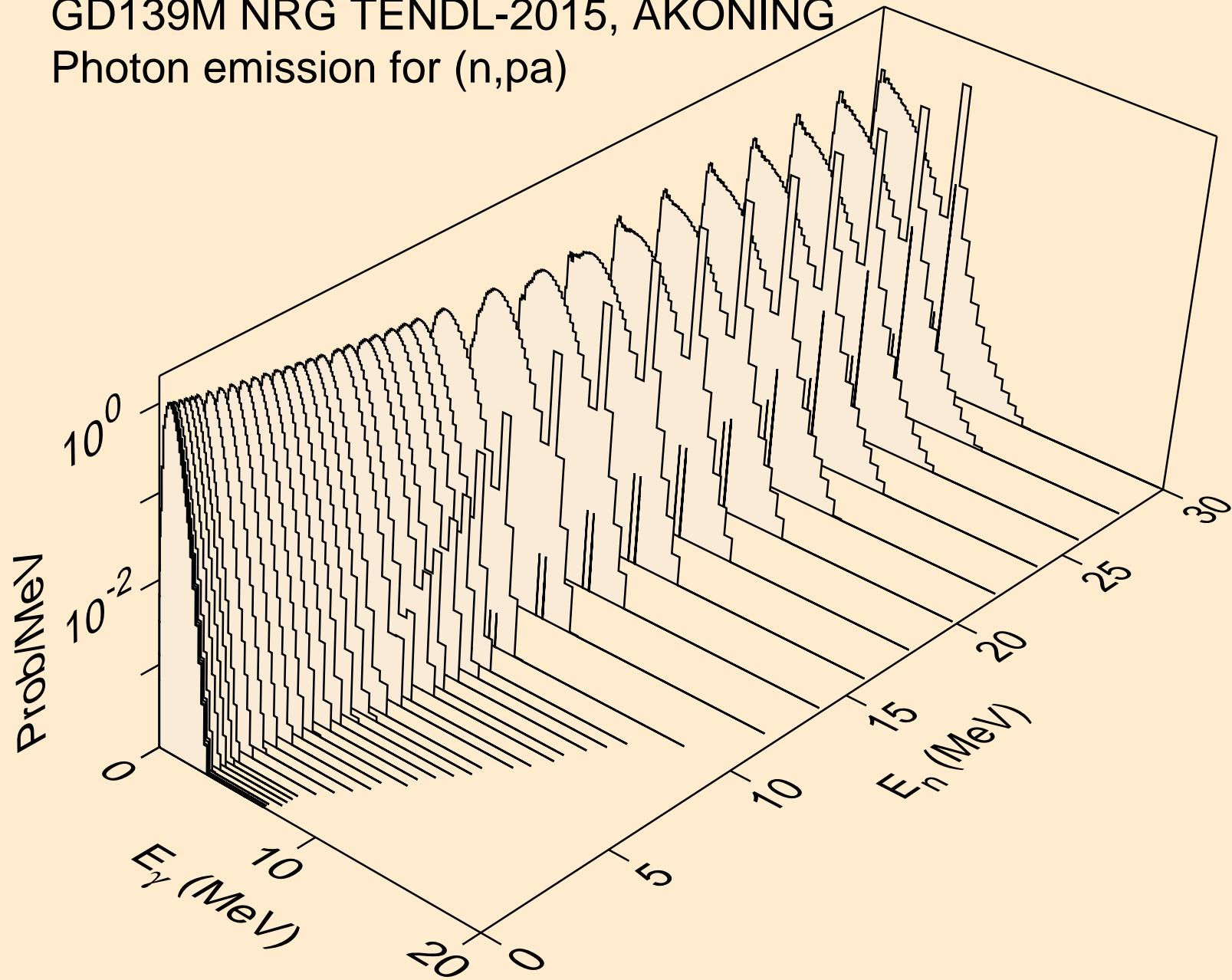
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



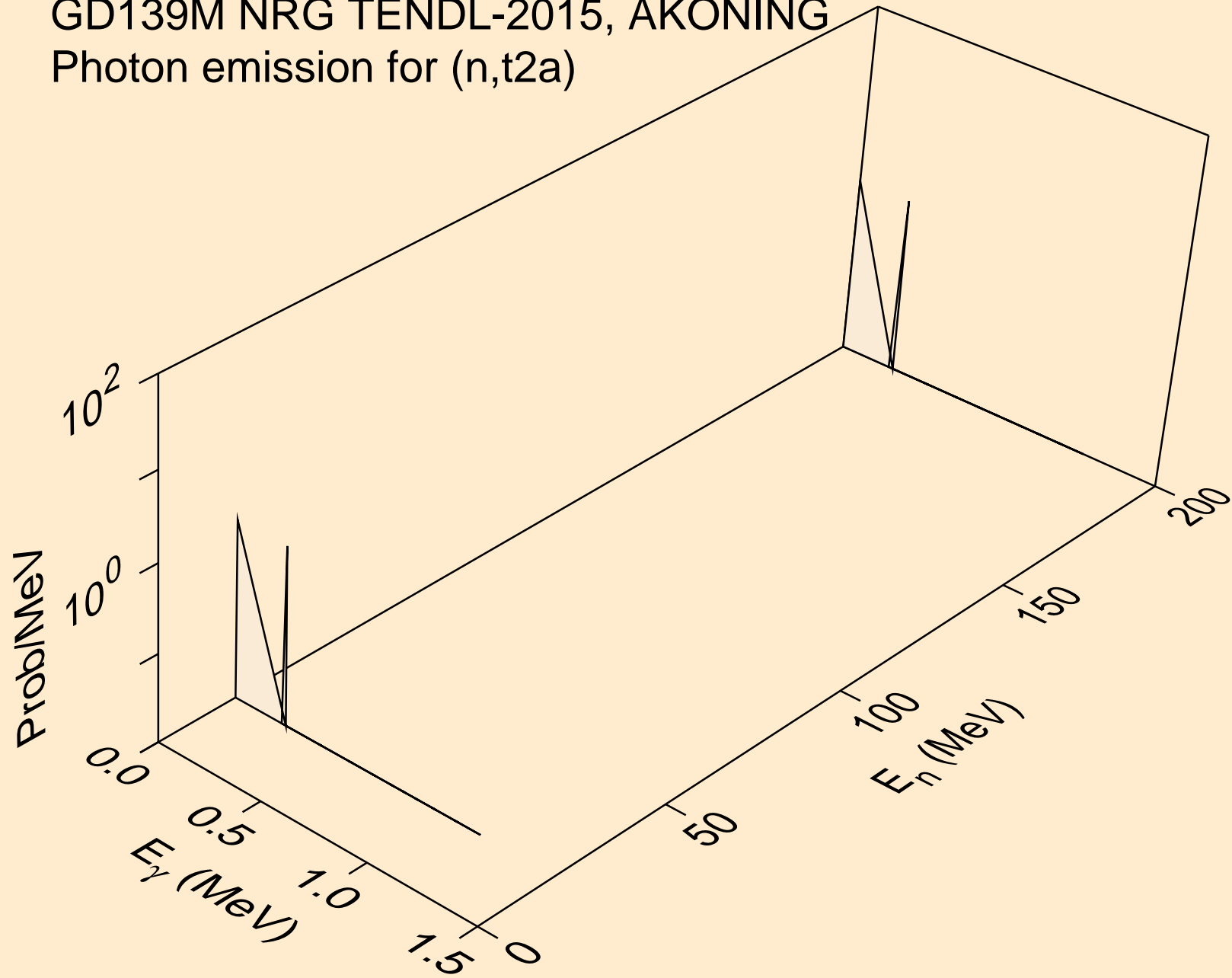
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



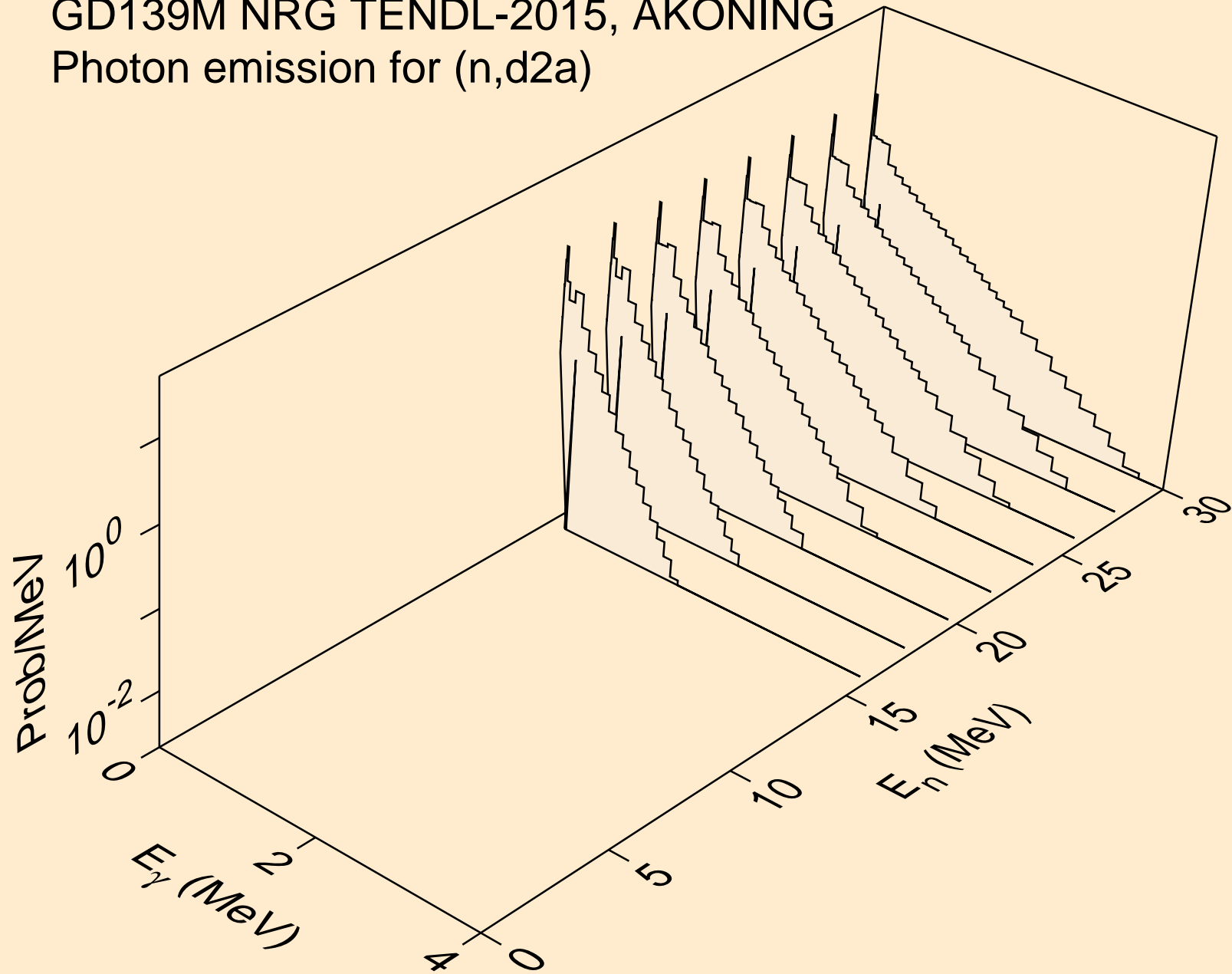
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



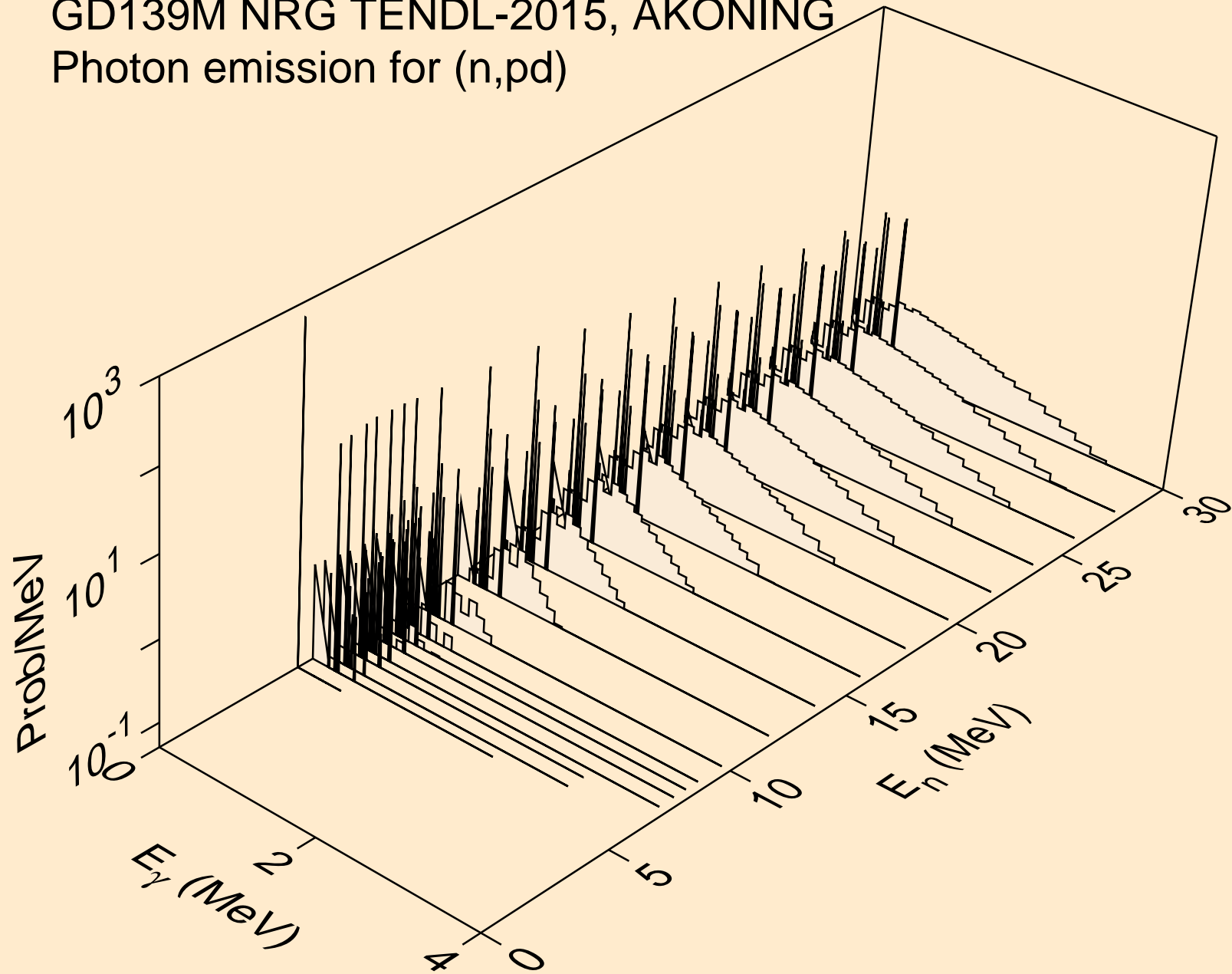
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)



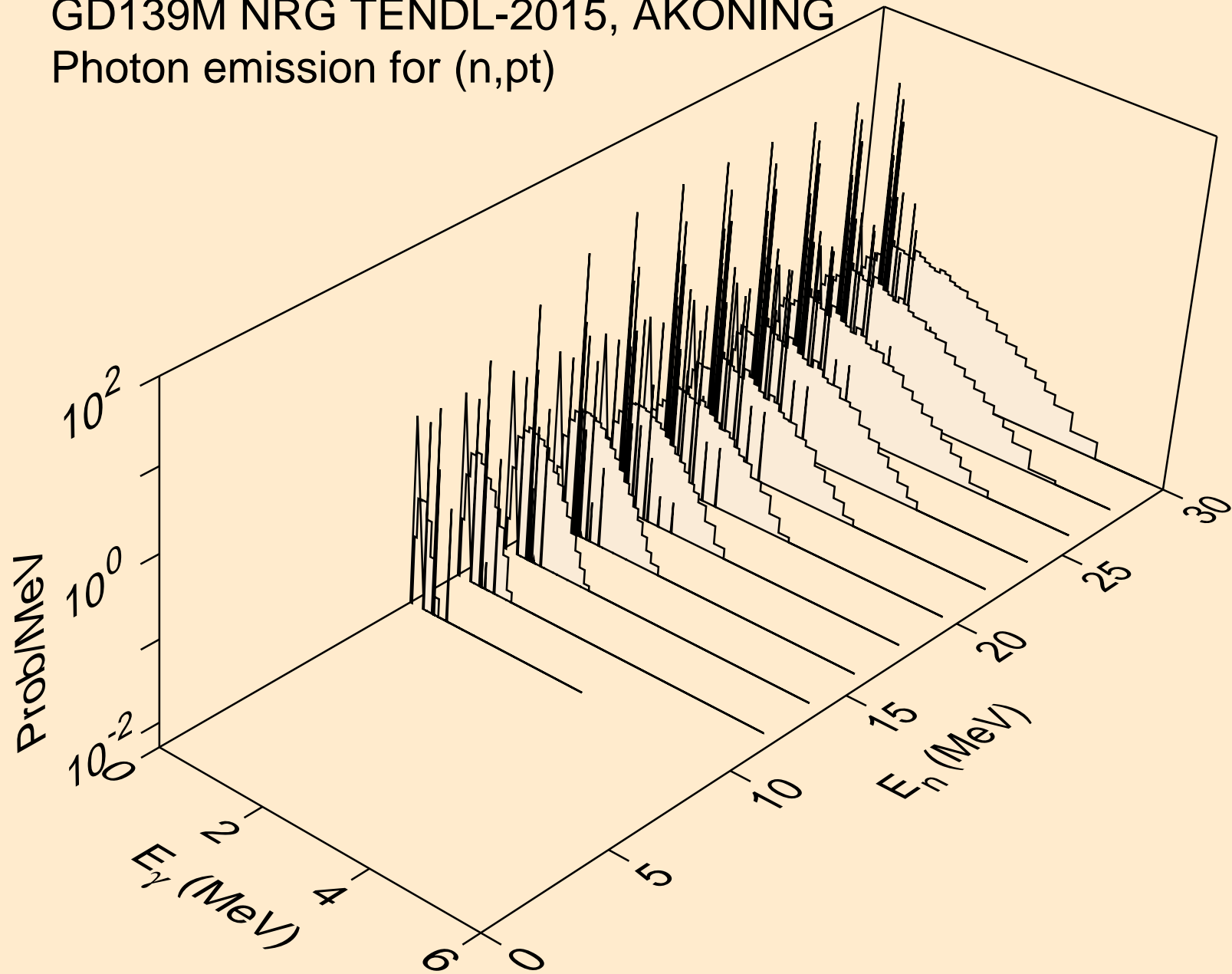
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)



GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

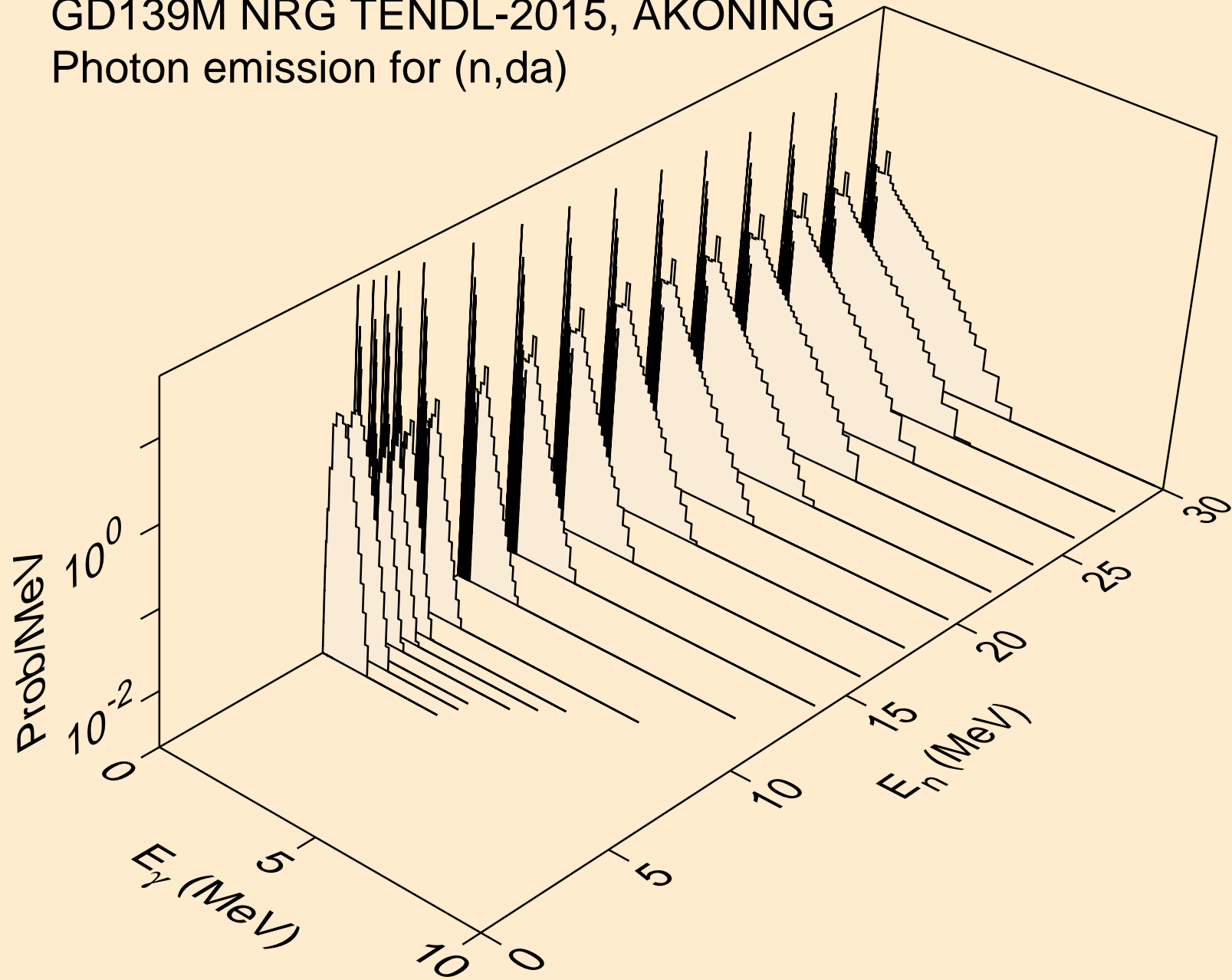


GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,pt)

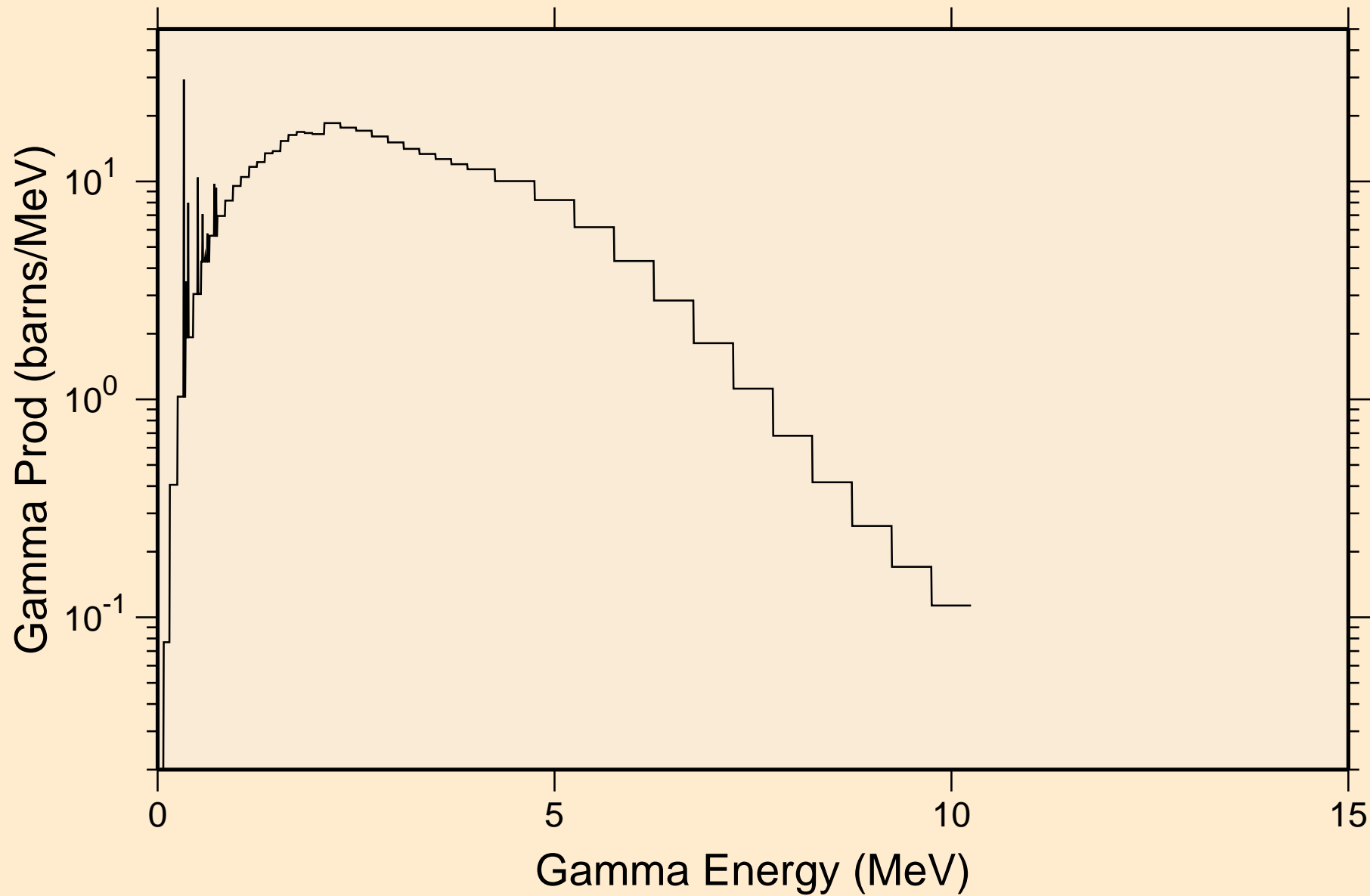




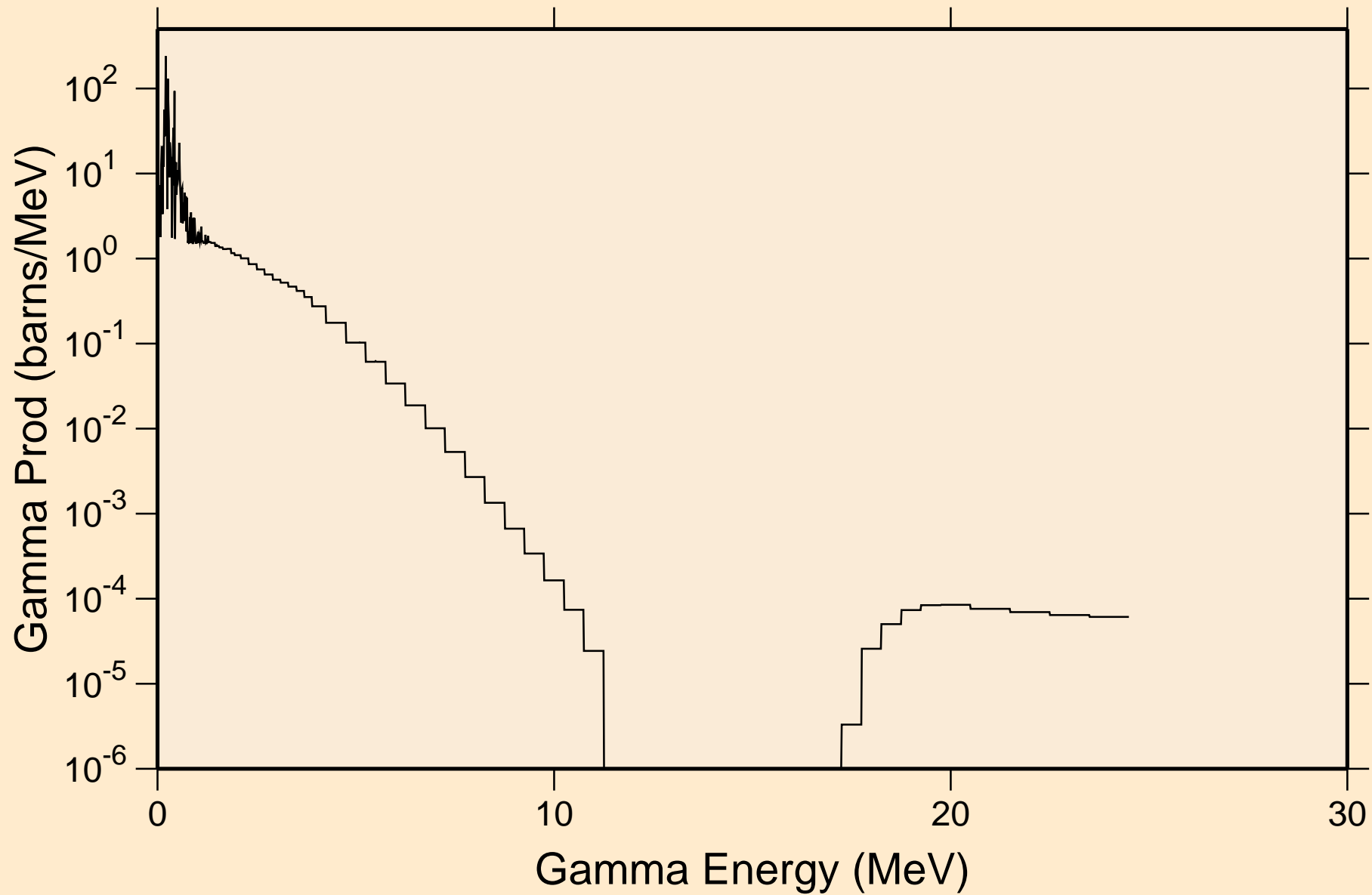
GD139M NRG TENDL-2015, AKONING  
Photon emission for (n,da)



GD139M NRG TENDL-2015, AKONING  
thermal capture photon spectrum

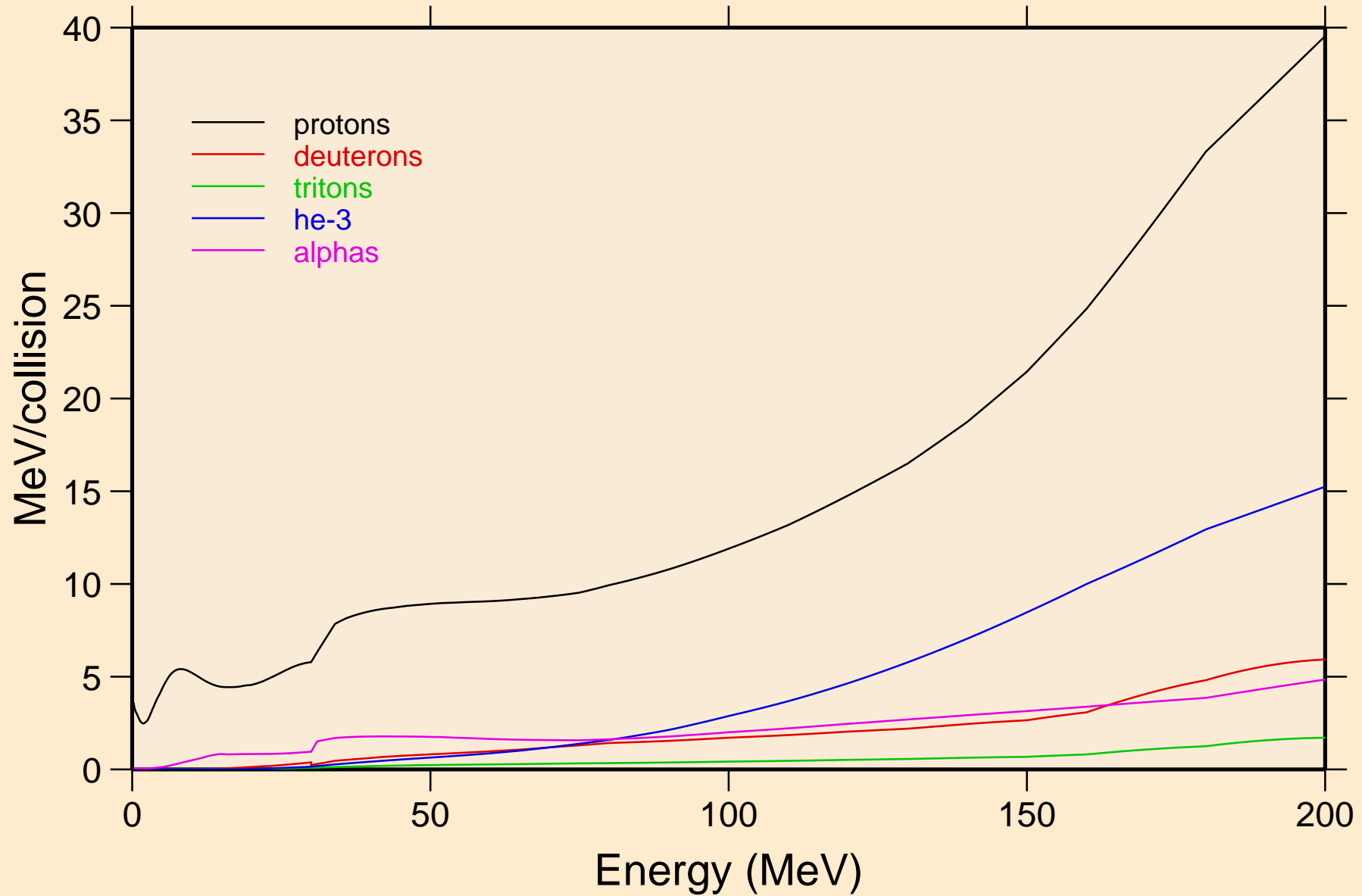


GD139M NRG TENDL-2015, AKONING  
14 MeV photon spectrum



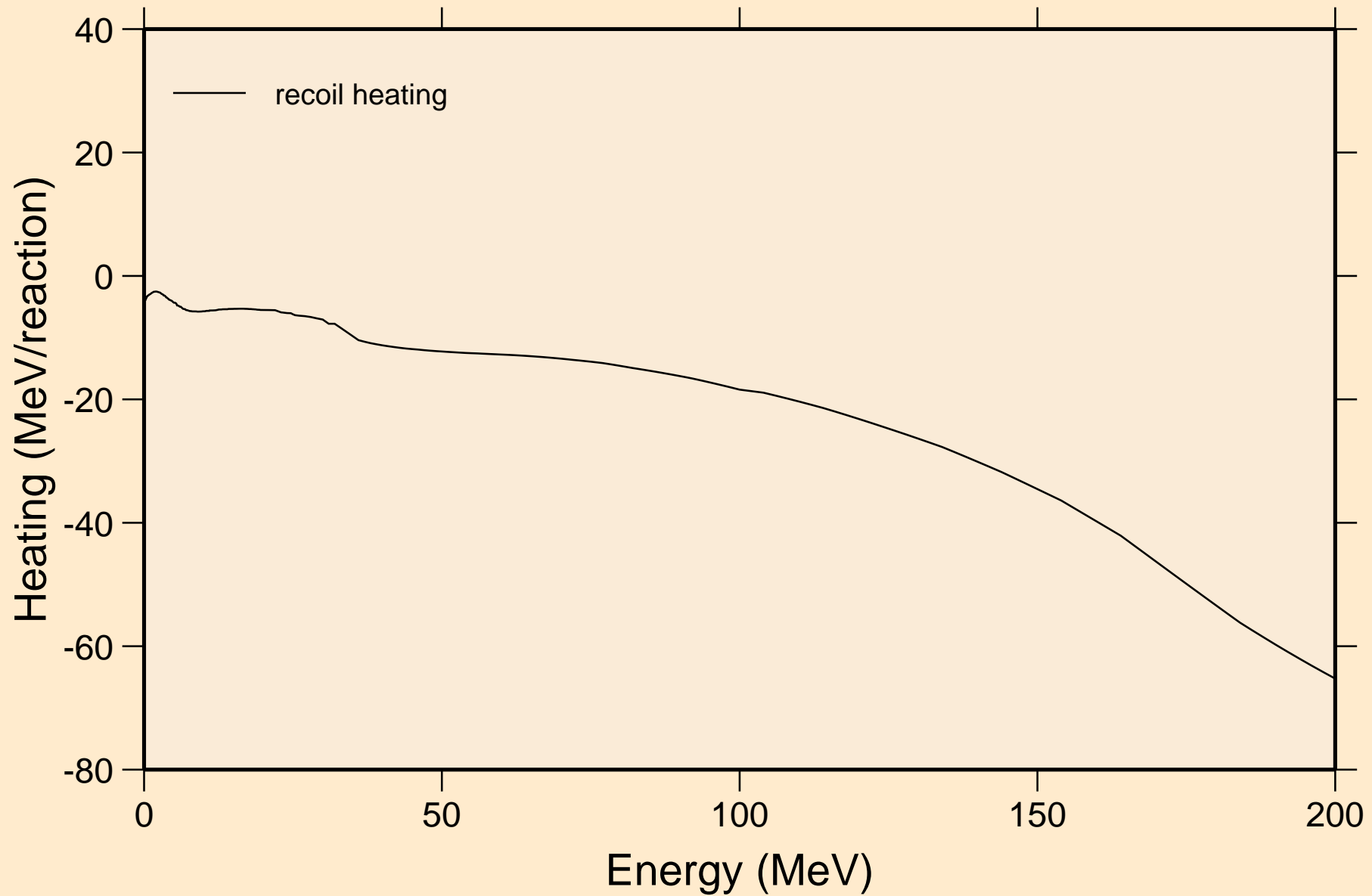
# GD139M NRG TENDL-2015, AKONING

## Particle heating contributions



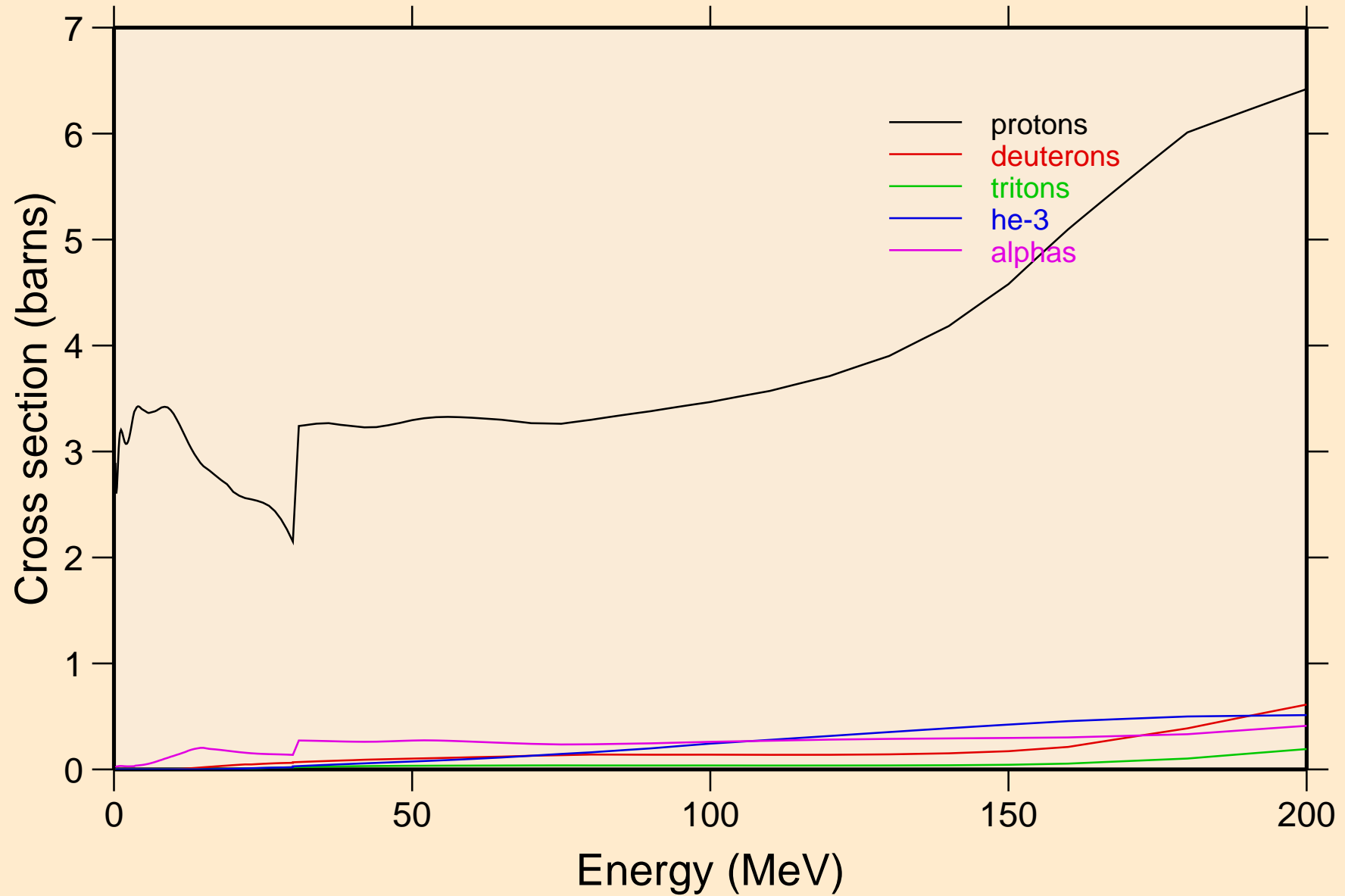
# GD139M NRG TENDL-2015, AKONING

## Recoil Heating

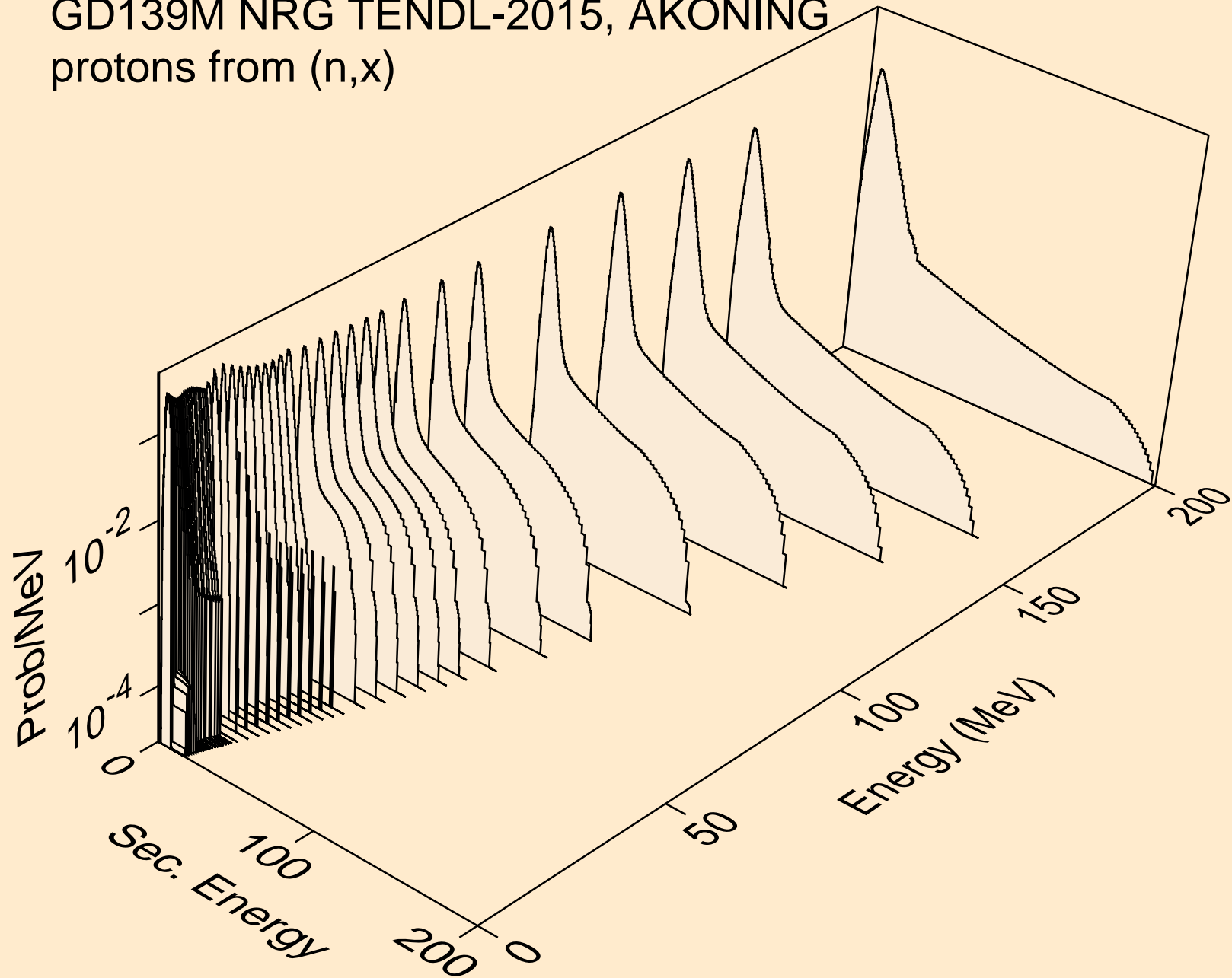


# GD139M NRG TENDL-2015, AKONING

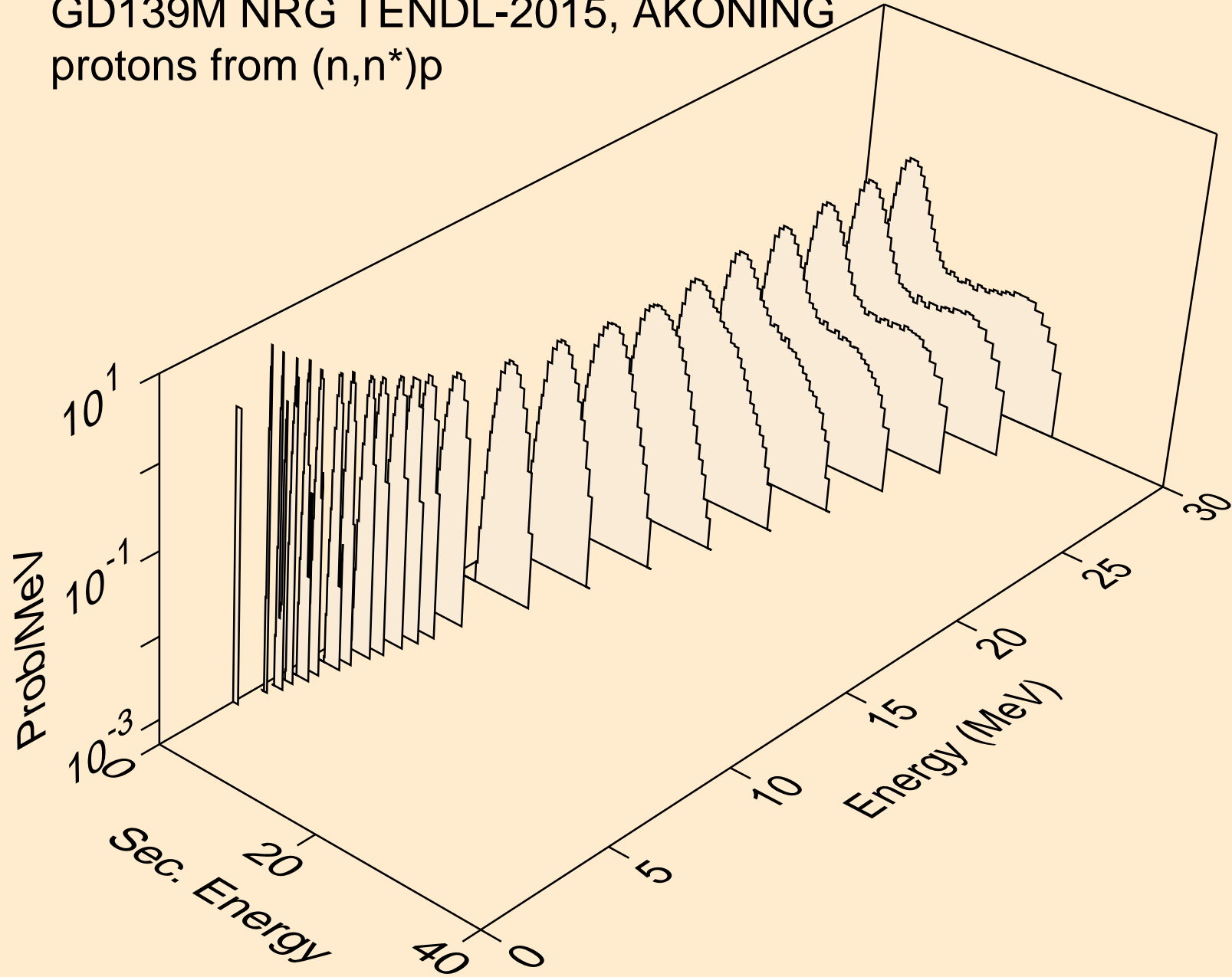
## Particle production cross sections



GD139M NRG TENDL-2015, AKONING  
protons from (n,x)

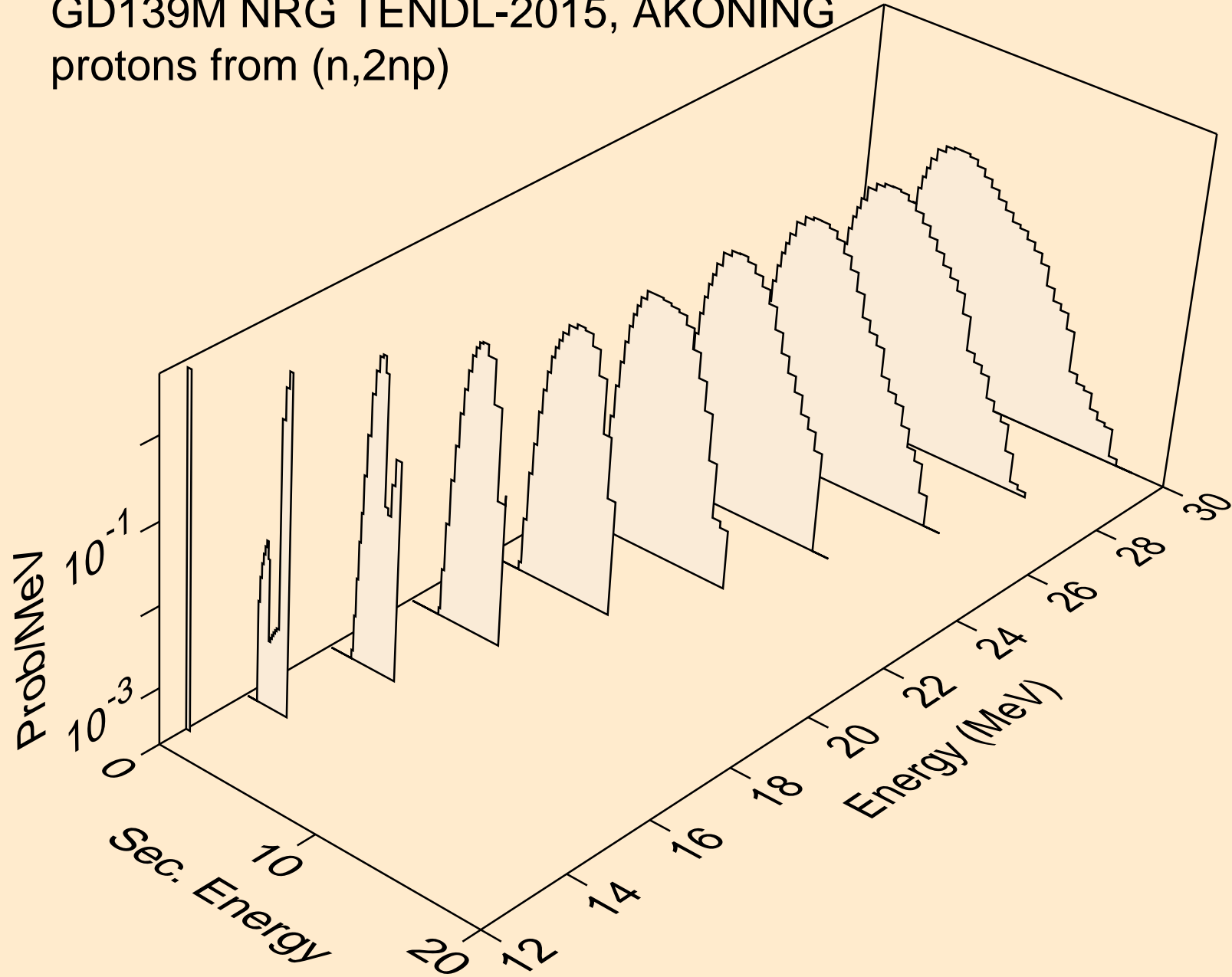


GD139M NRG TENDL-2015, AKONING  
protons from (n,n\*)p

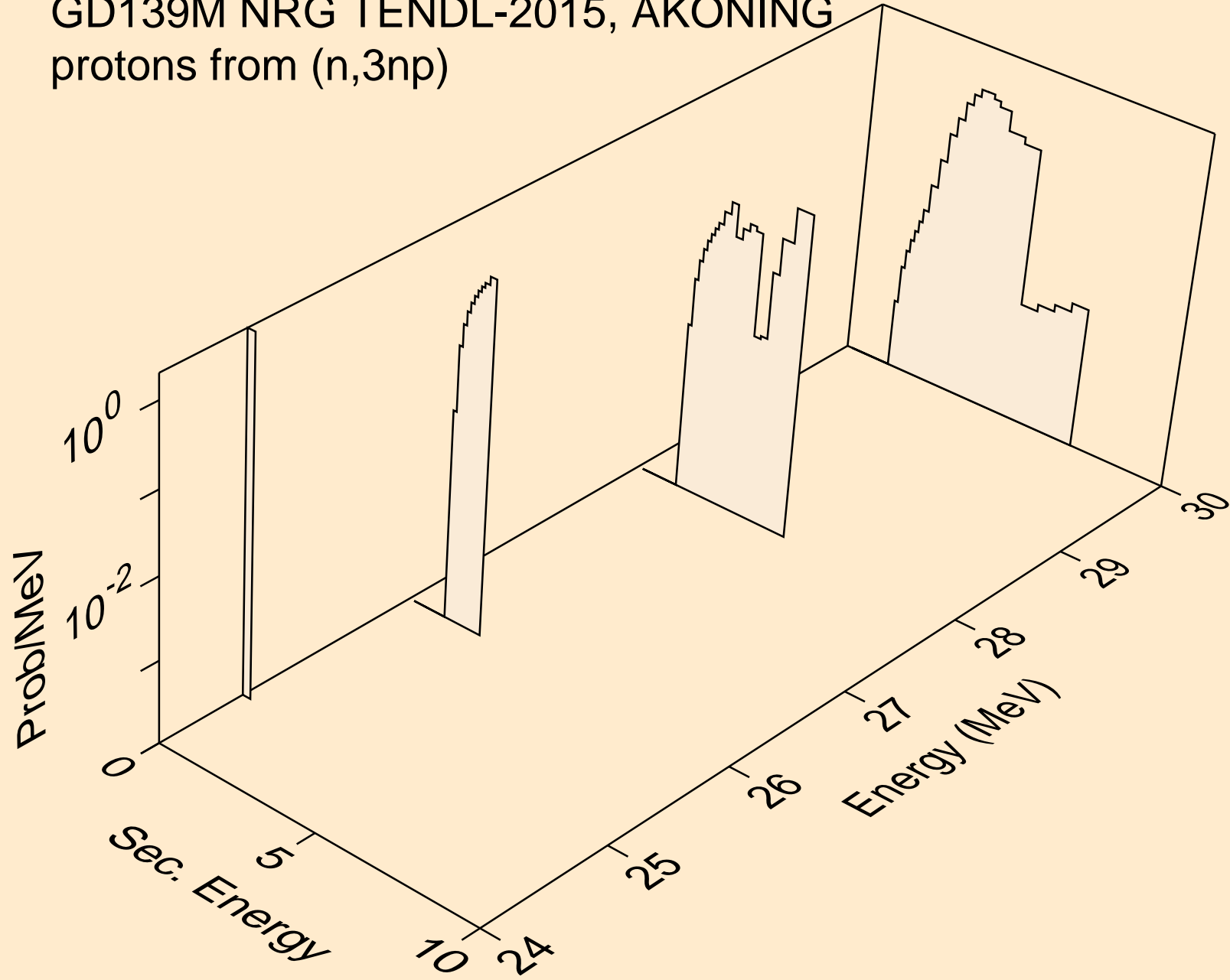




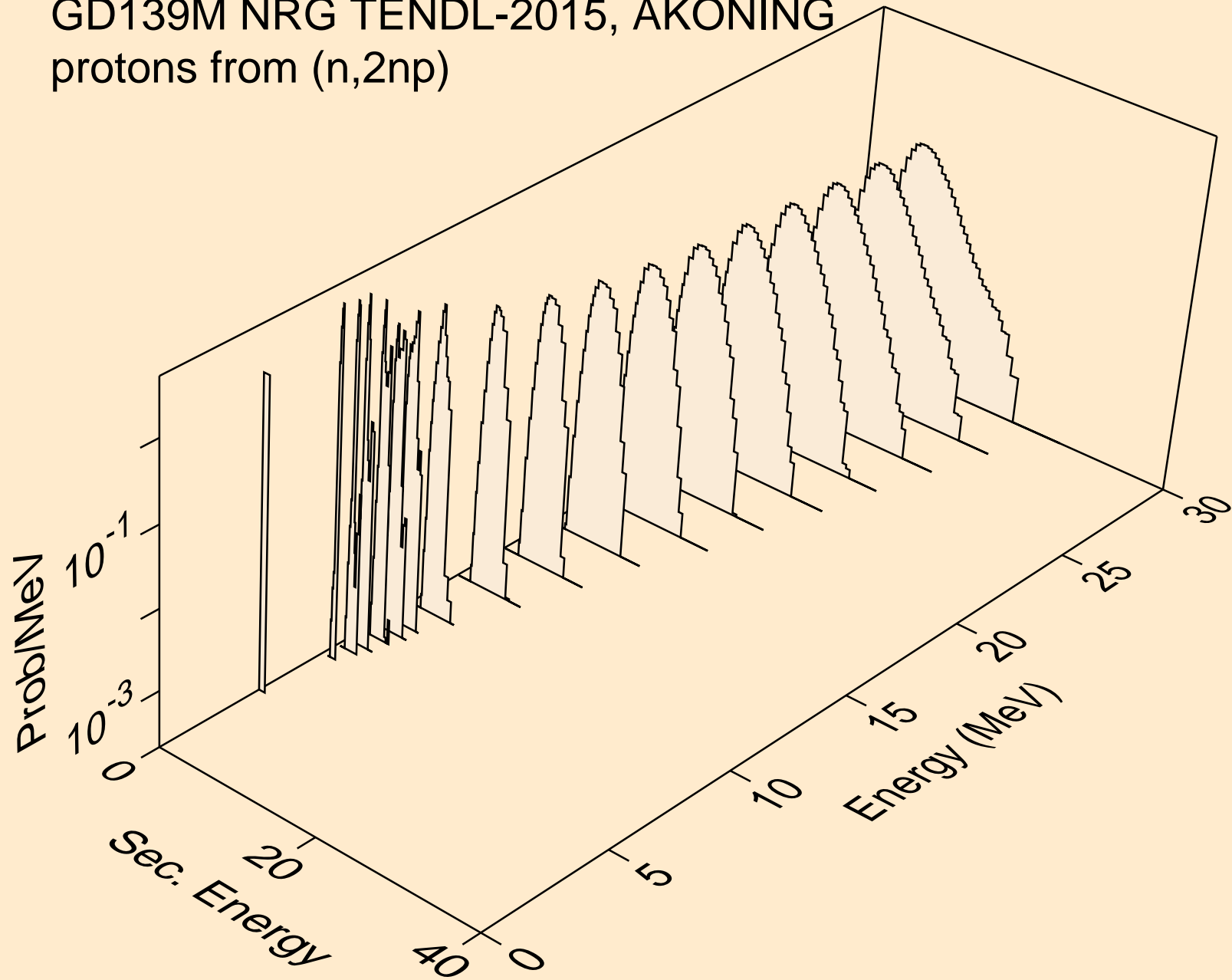
GD139M NRG TENDL-2015, AKONING  
protons from (n,2np)



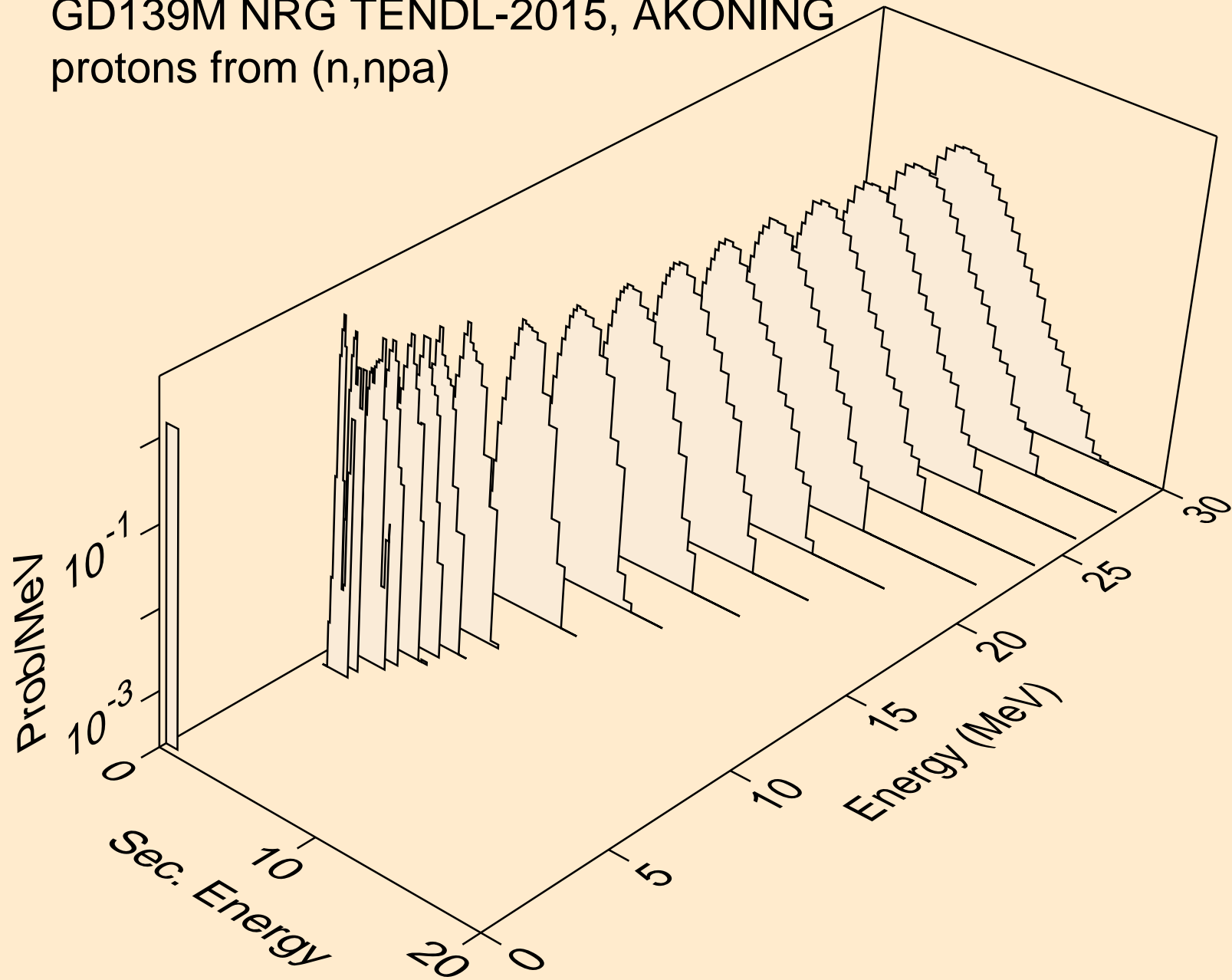
GD139M NRG TENDL-2015, AKONING  
protons from (n,3np)



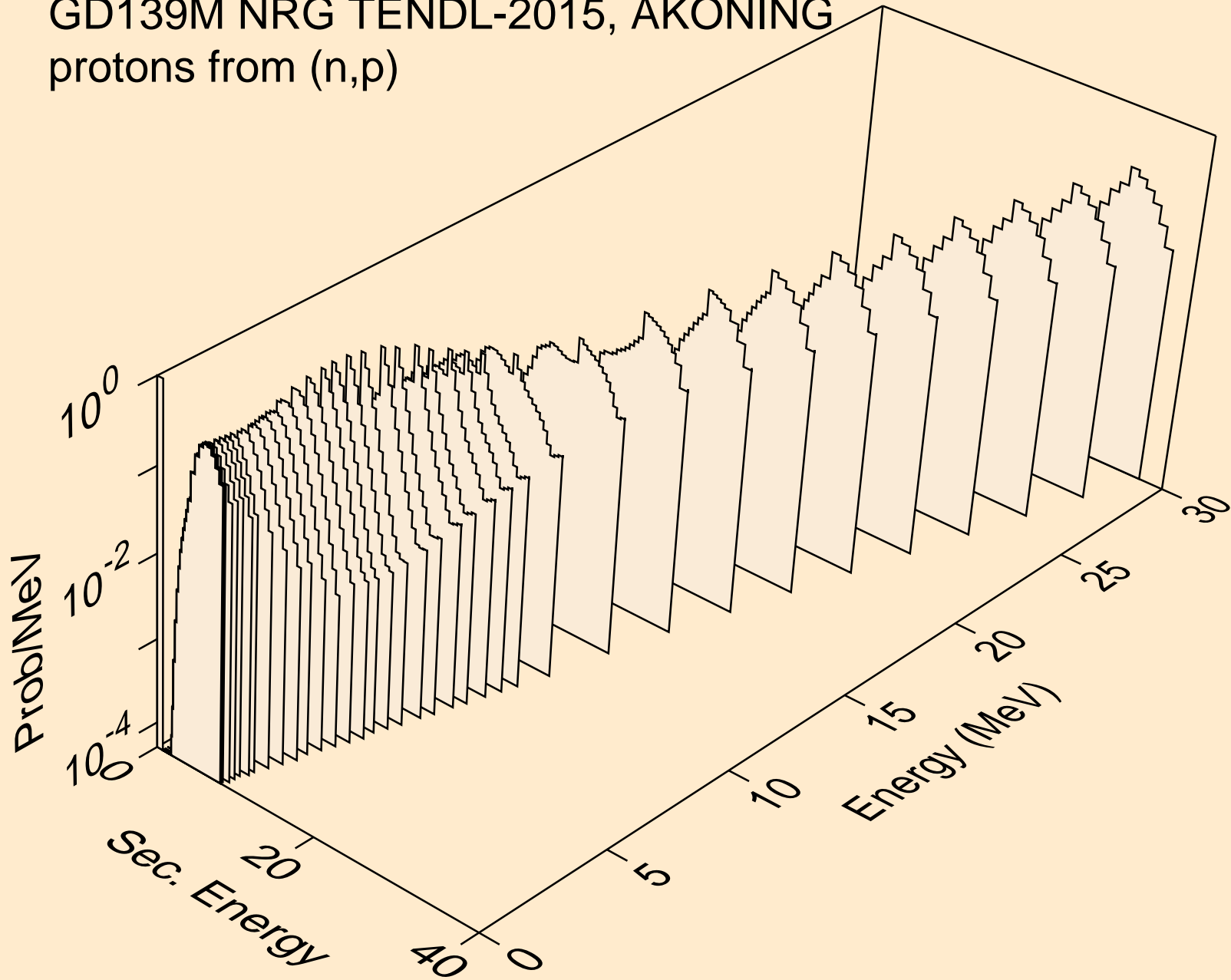
GD139M NRG TENDL-2015, AKONING  
protons from (n,2np)



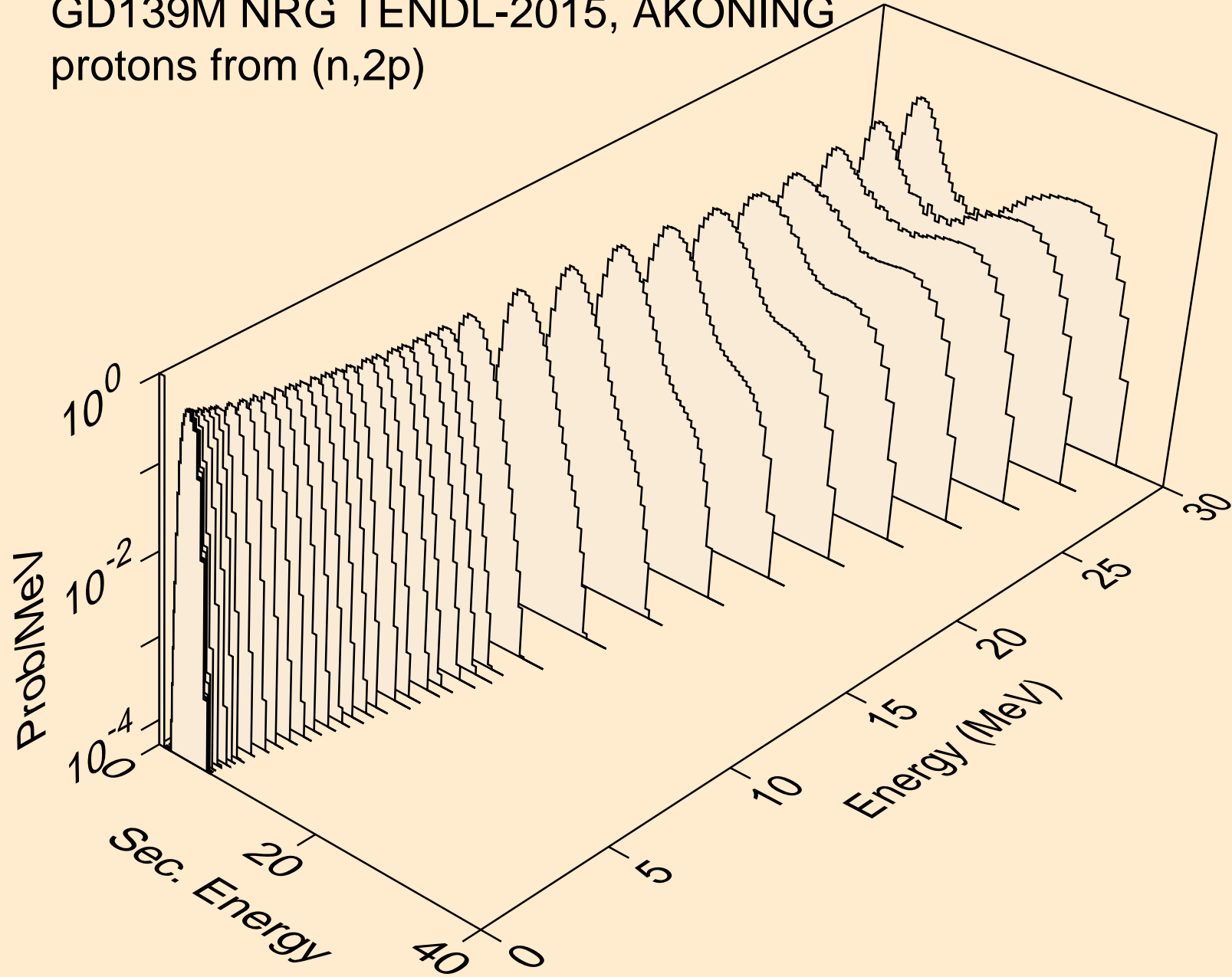
GD139M NRG TENDL-2015, AKONING  
protons from (n,npa)



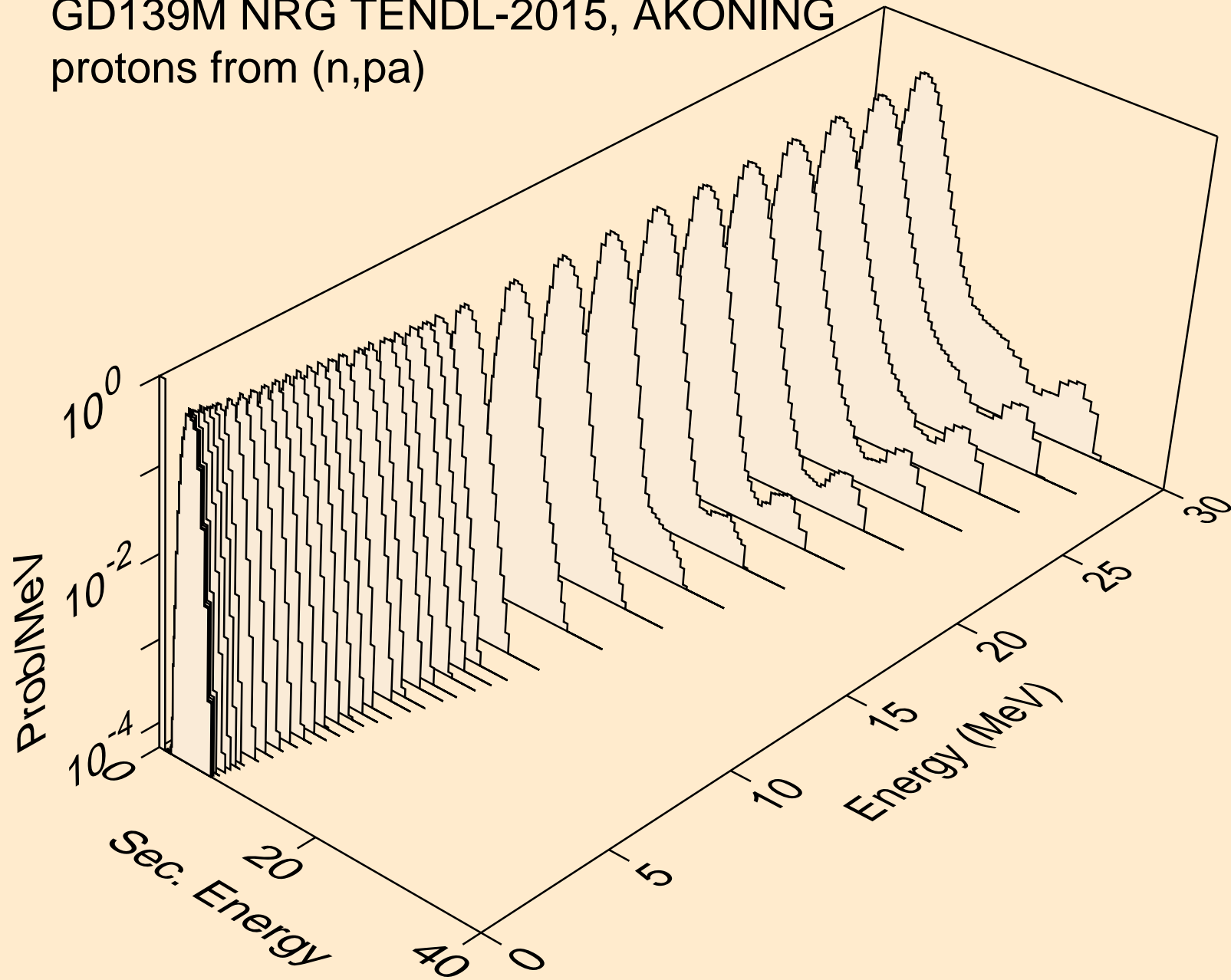
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protons from (n,p)



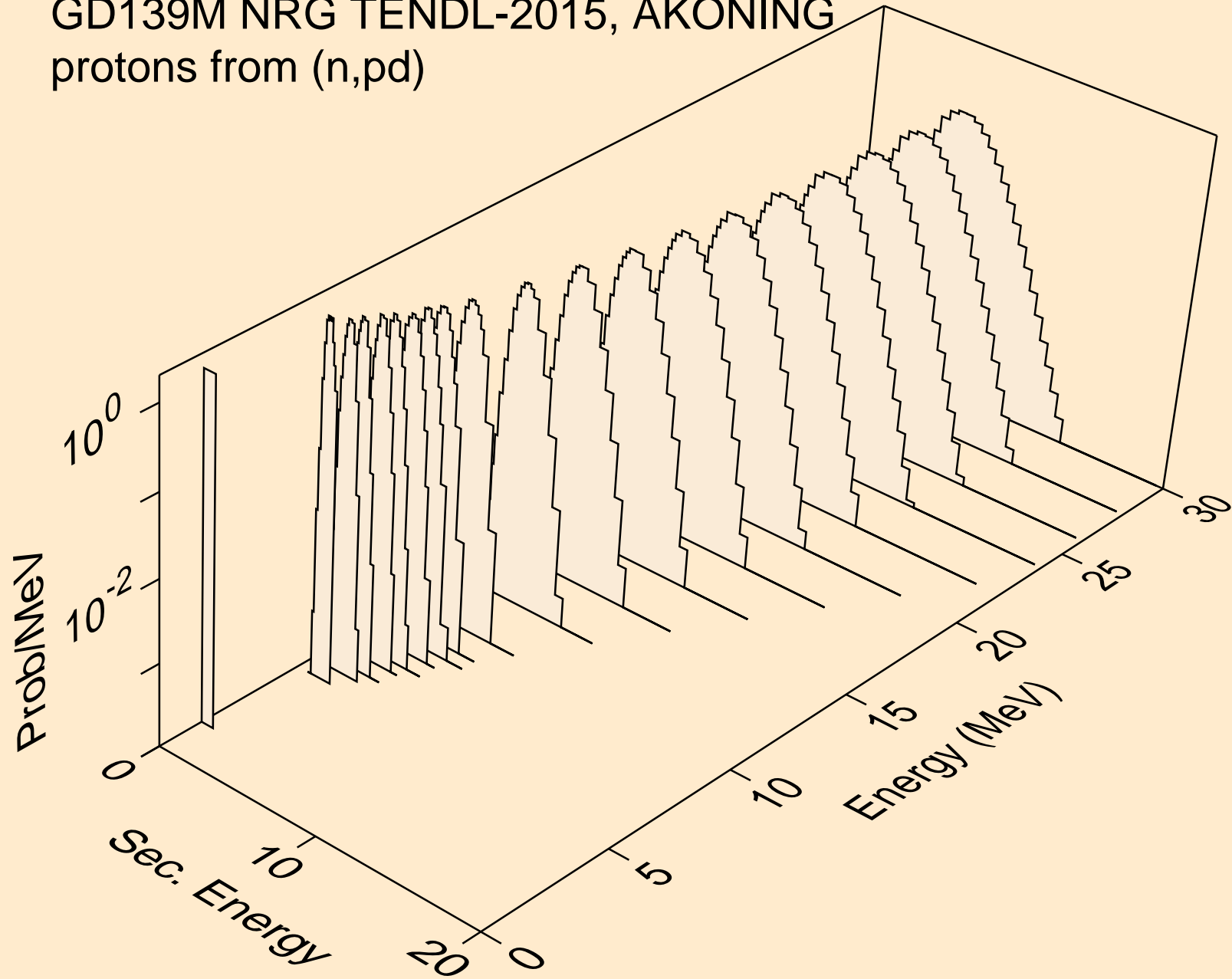
GD139M NRG TENDL-2015, AKONING  
protons from (n,2p)



GD139M NRG TENDL-2015, AKONING  
protons from (n,pa)

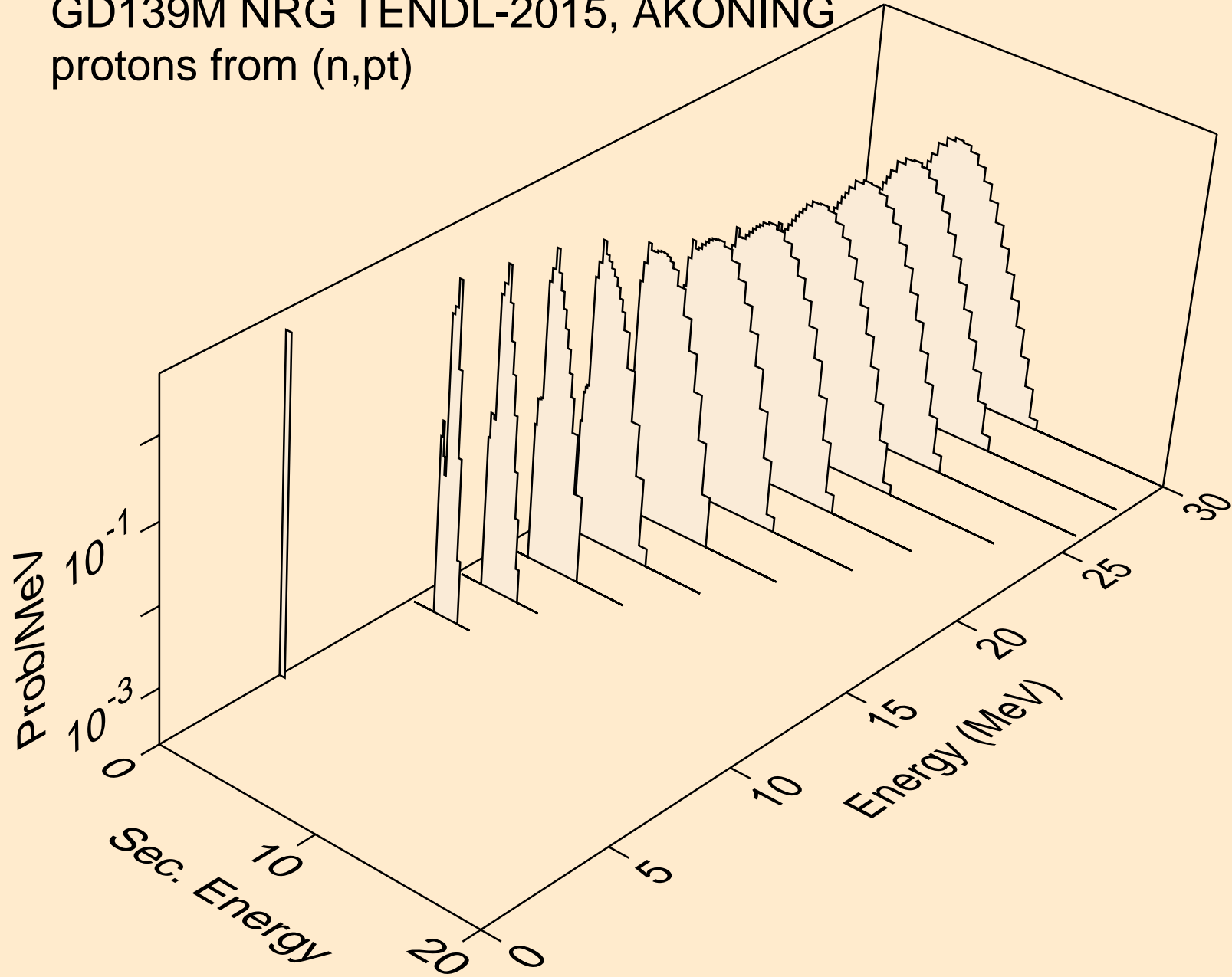


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protons from (n,pd)

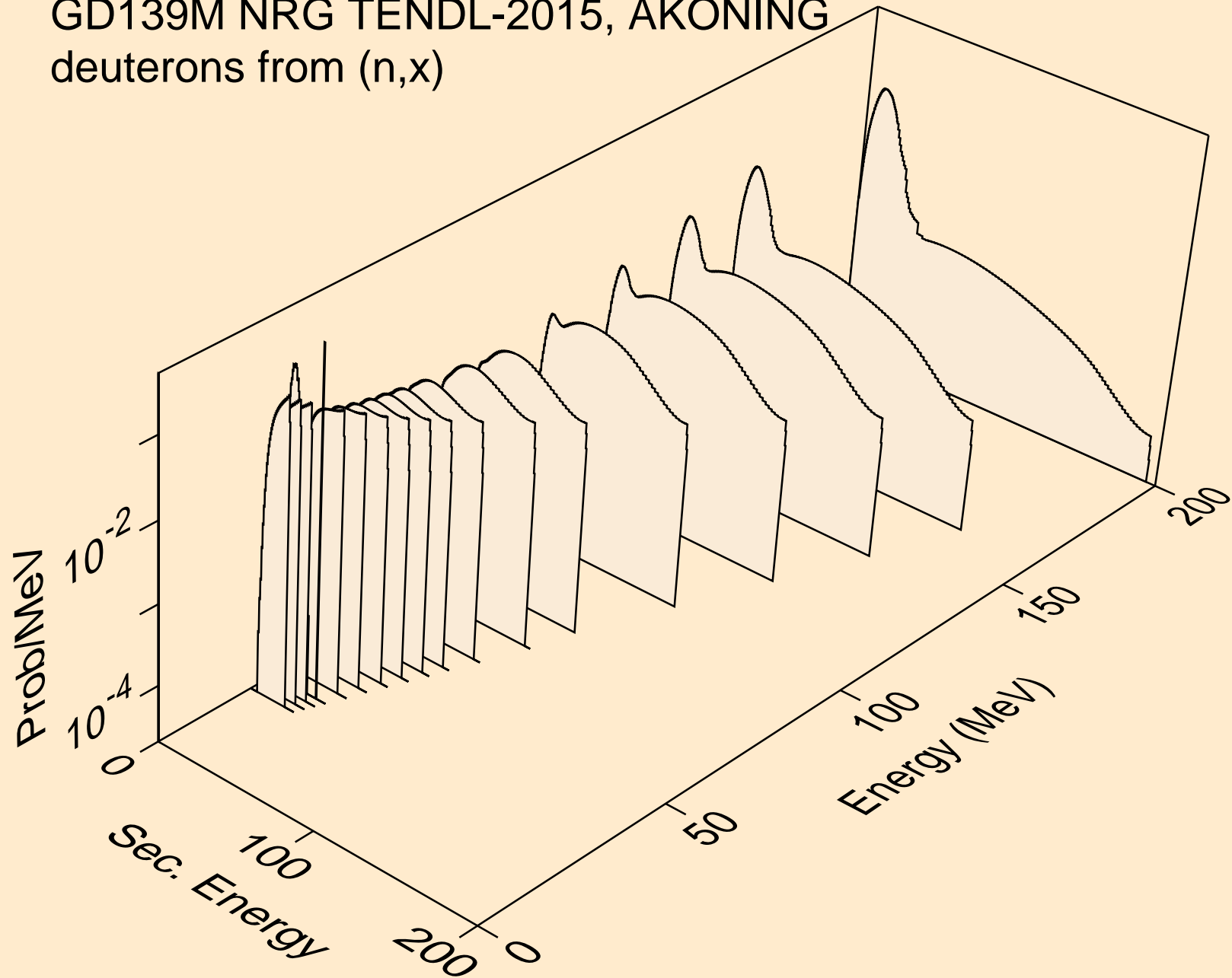




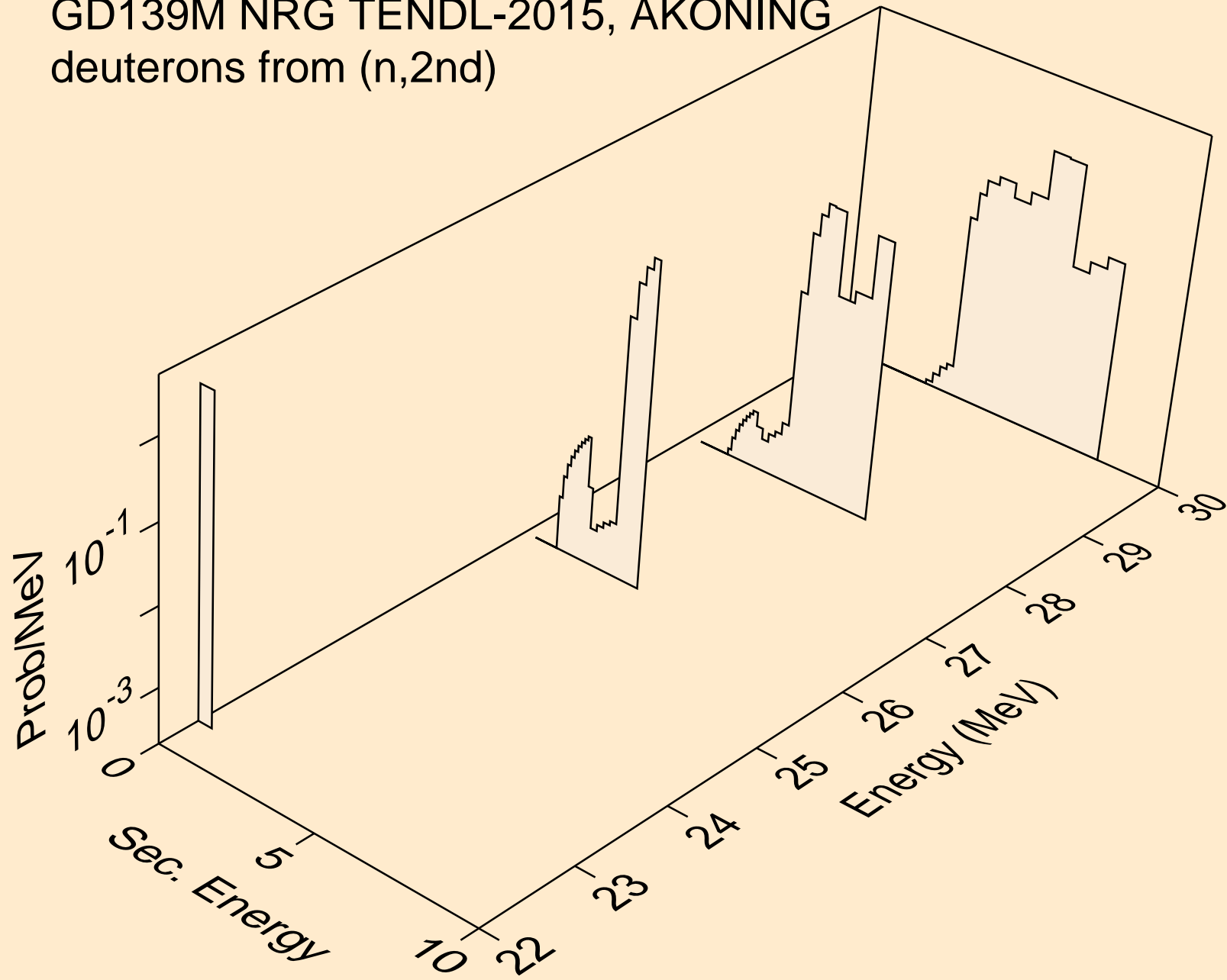
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protons from (n,pt)



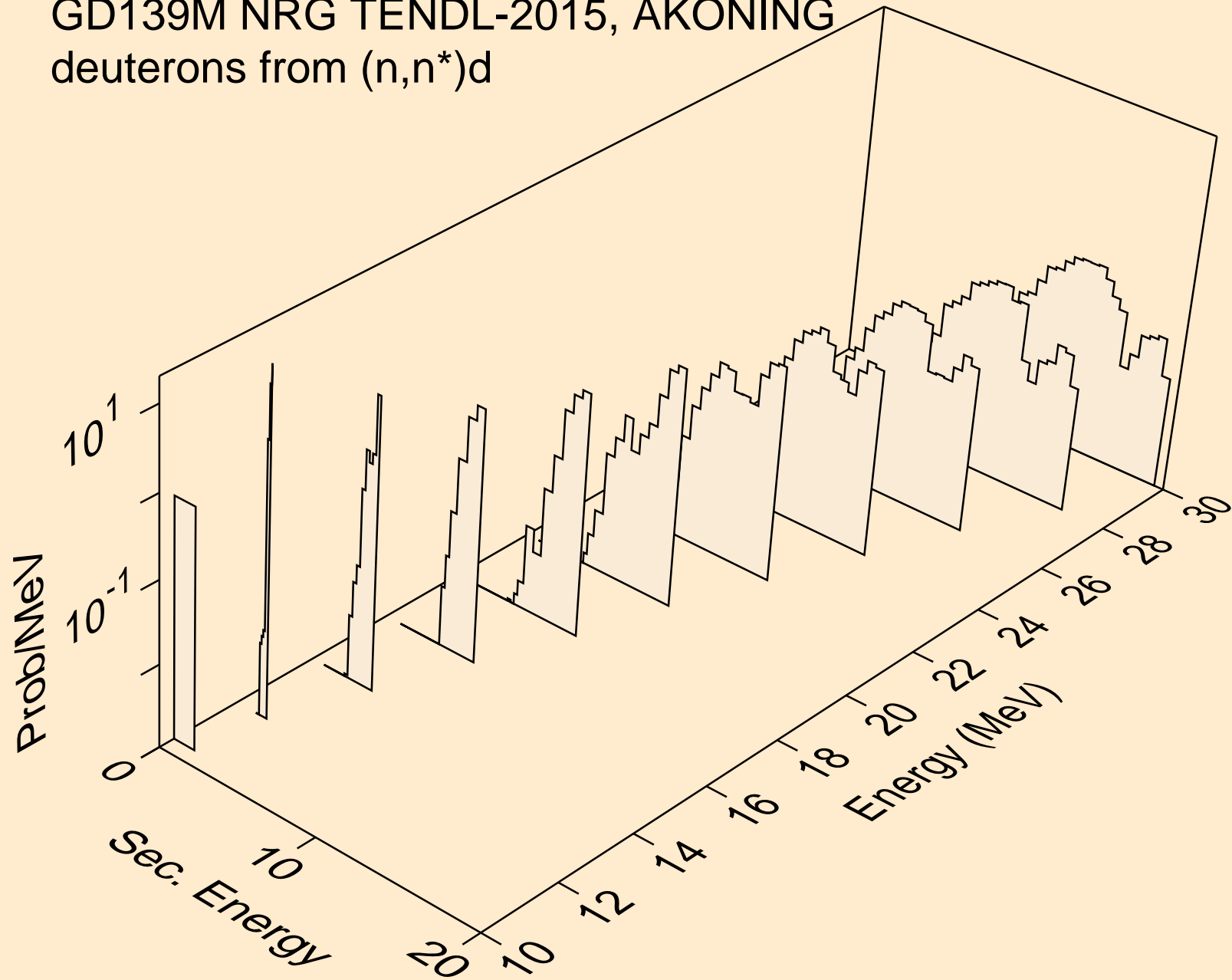
GD139M NRG TENDL-2015, AKONING  
deuterons from (n,x)



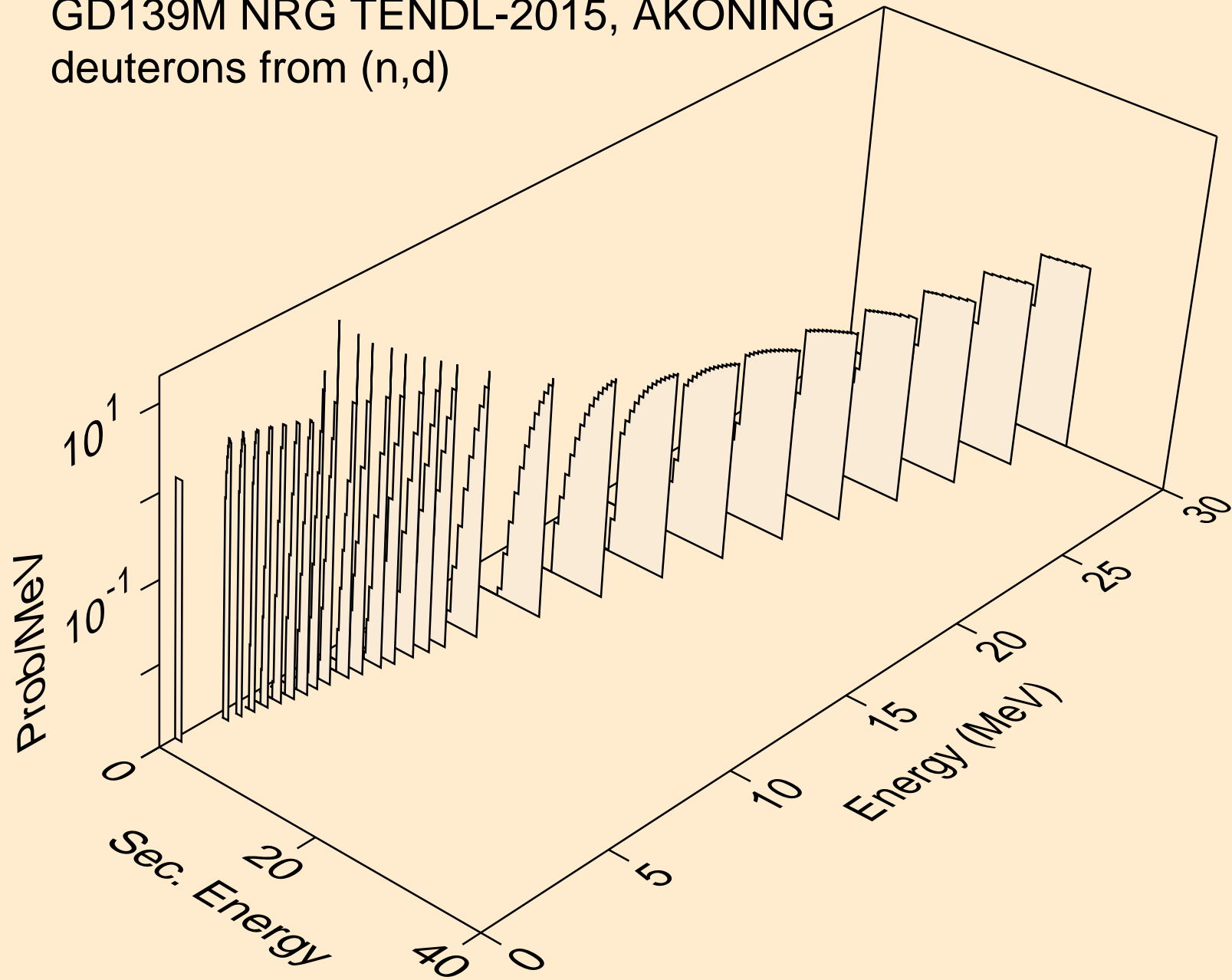
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deuterons from (n,2nd)



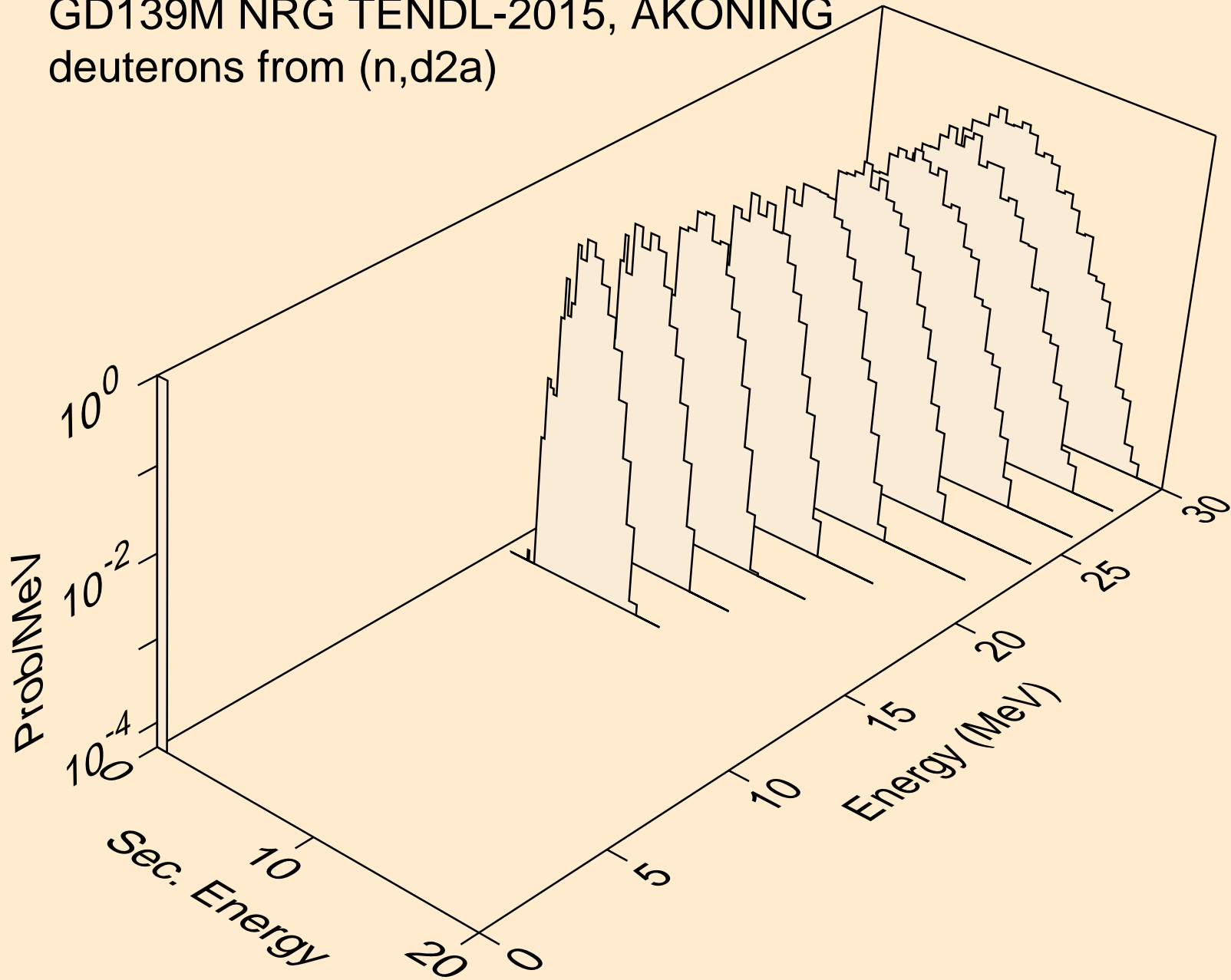
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deuterons from (n,n\*)d



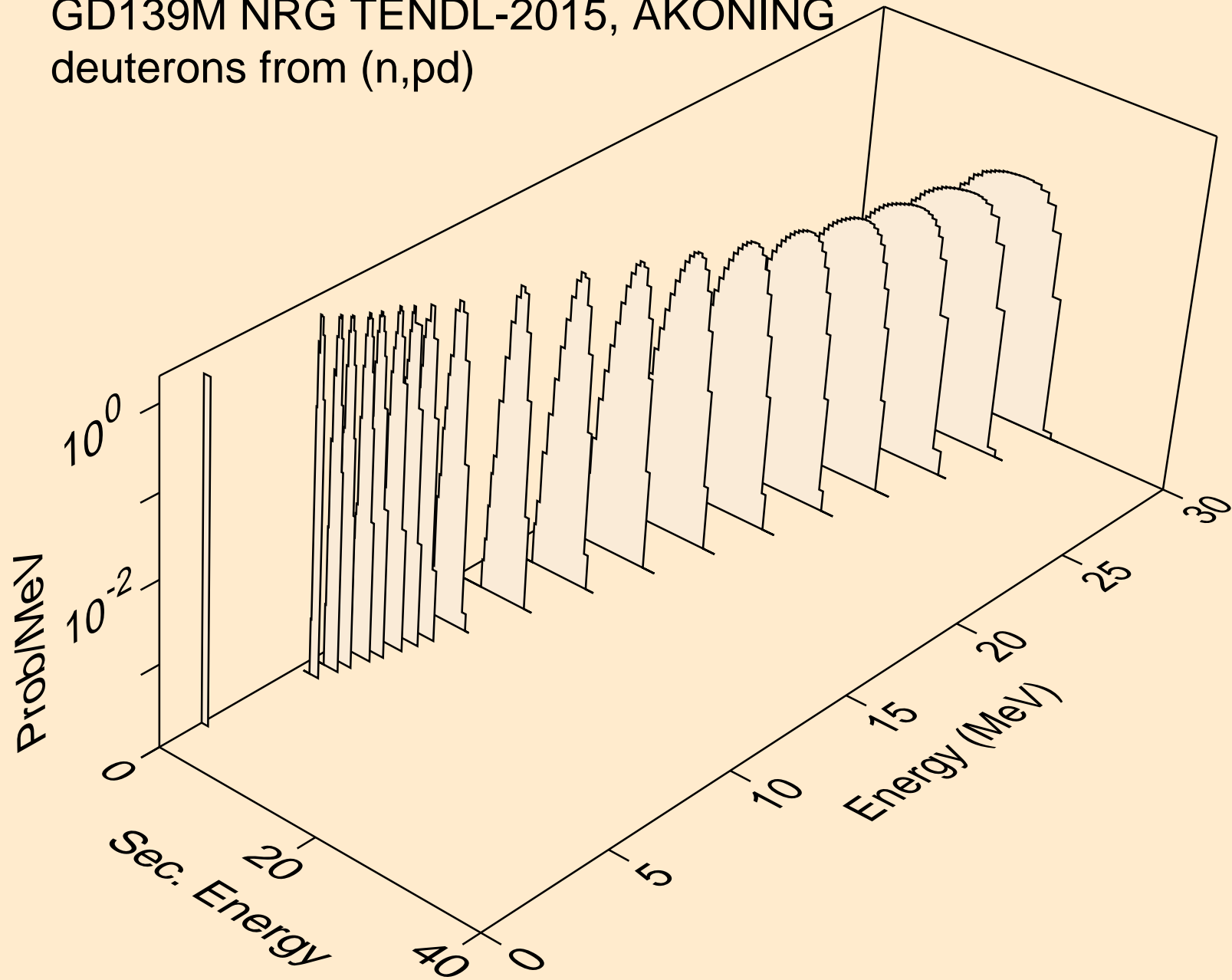
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deuterons from (n,d)



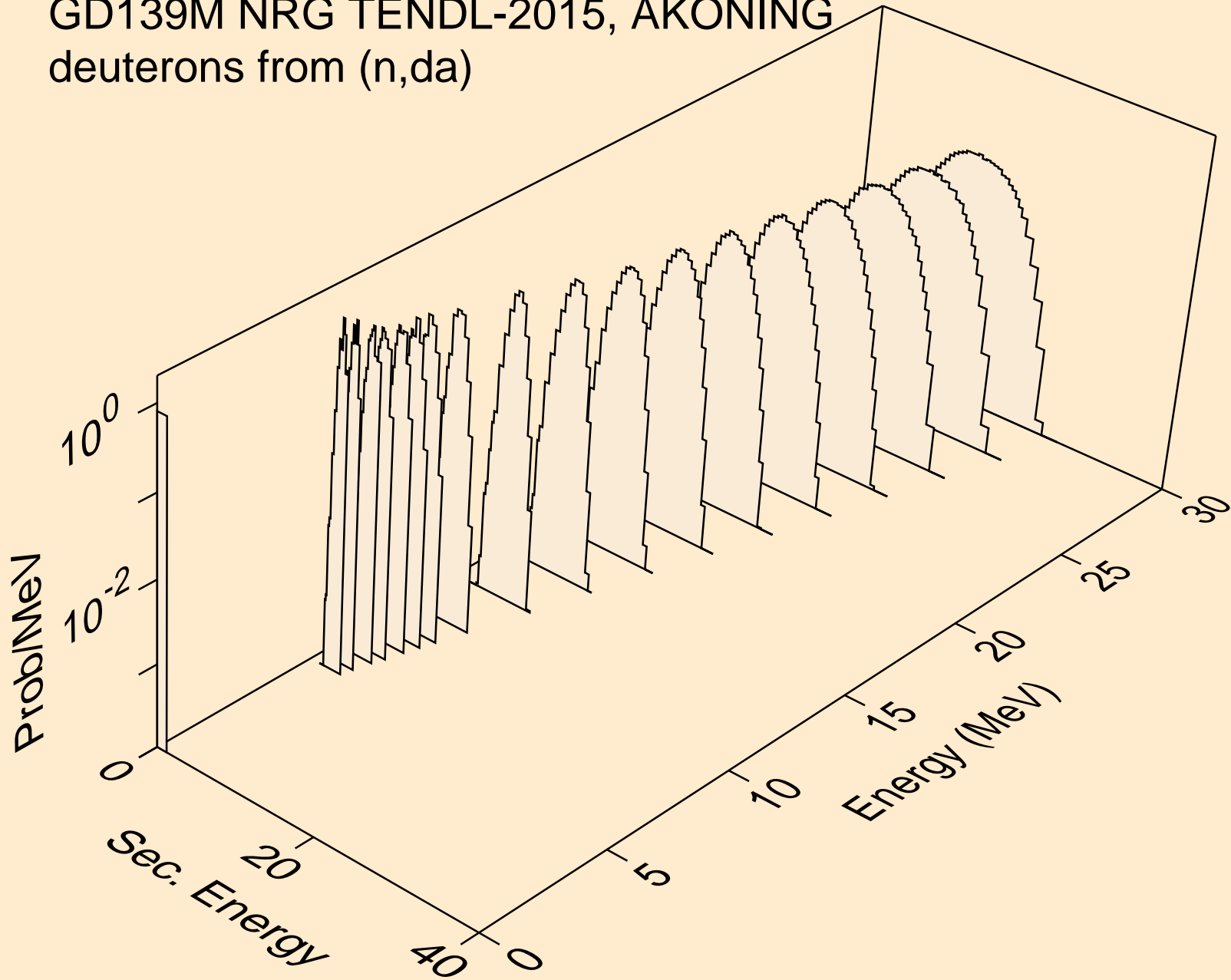
GD139M NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



GD139M NRG TENDL-2015, AKONING  
deuterons from (n,pd)

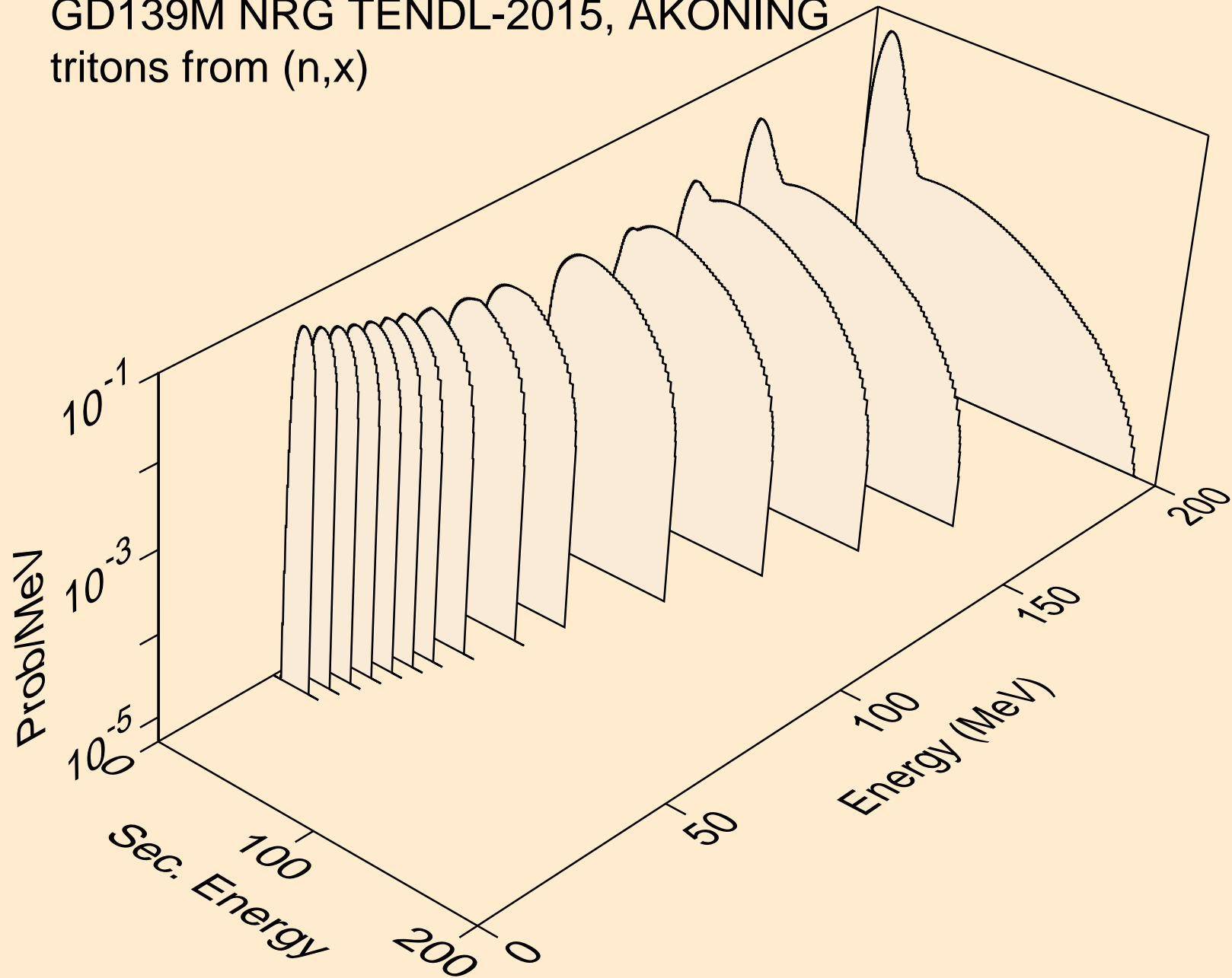


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deuterons from (n,da)

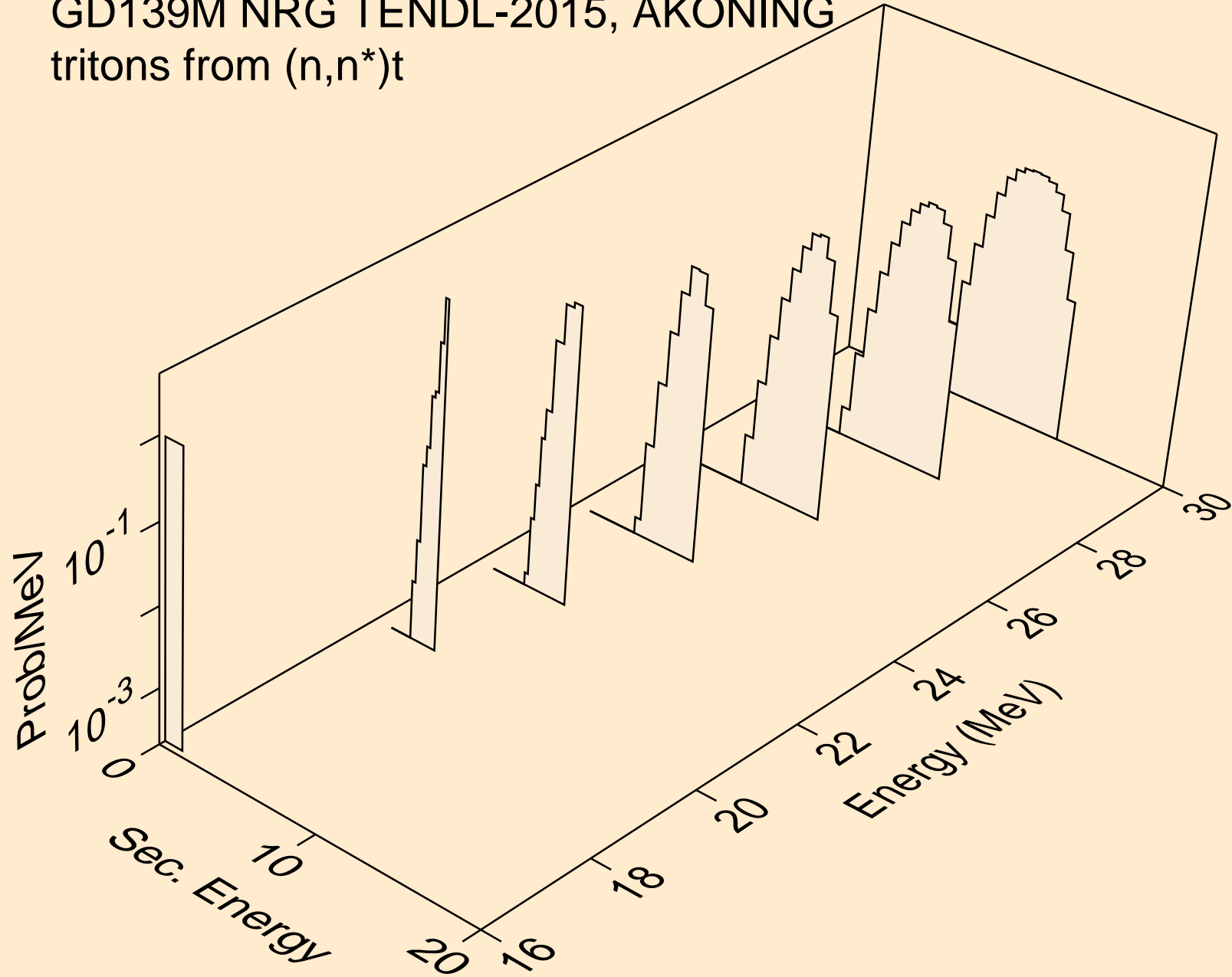




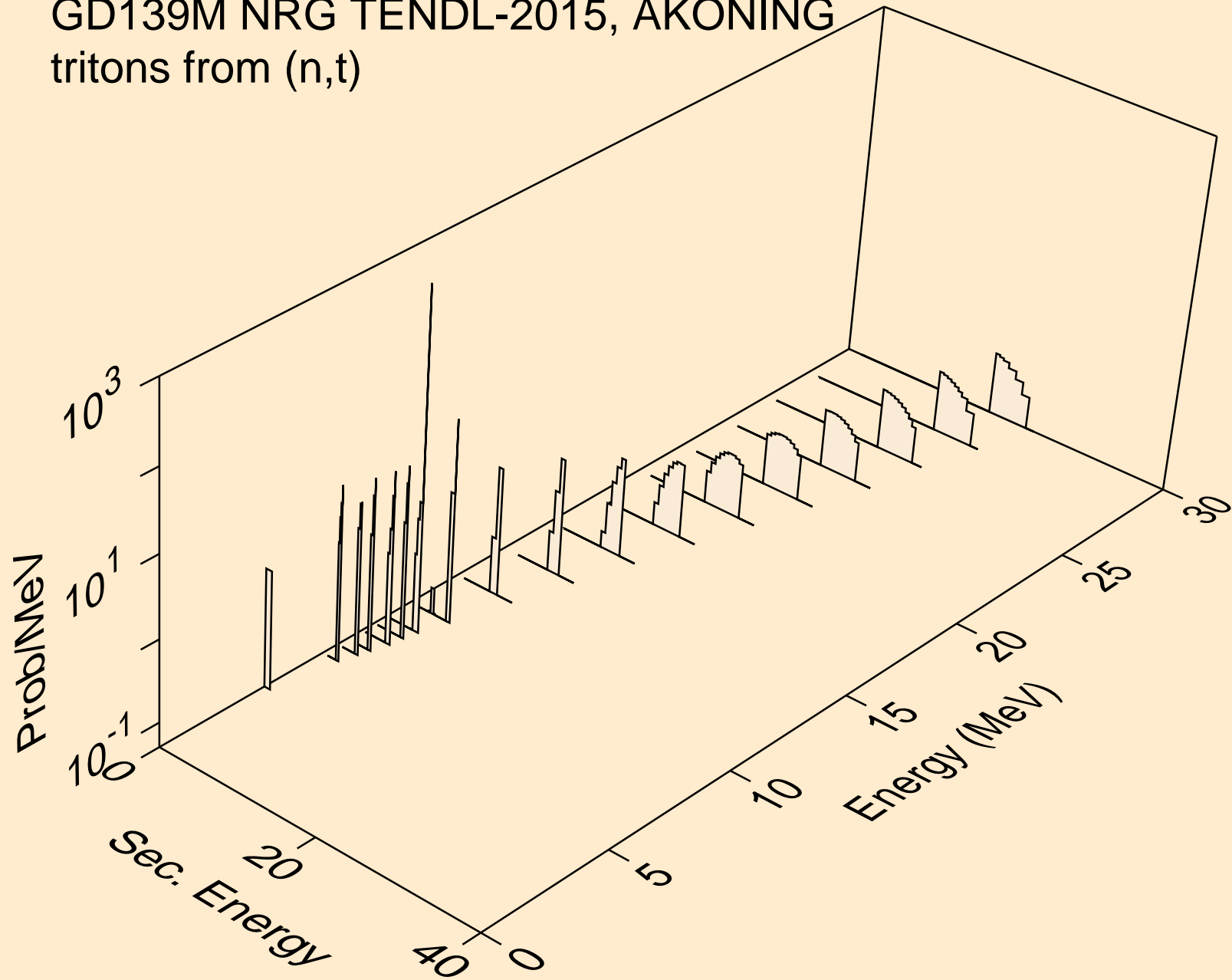
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tritons from (n,x)



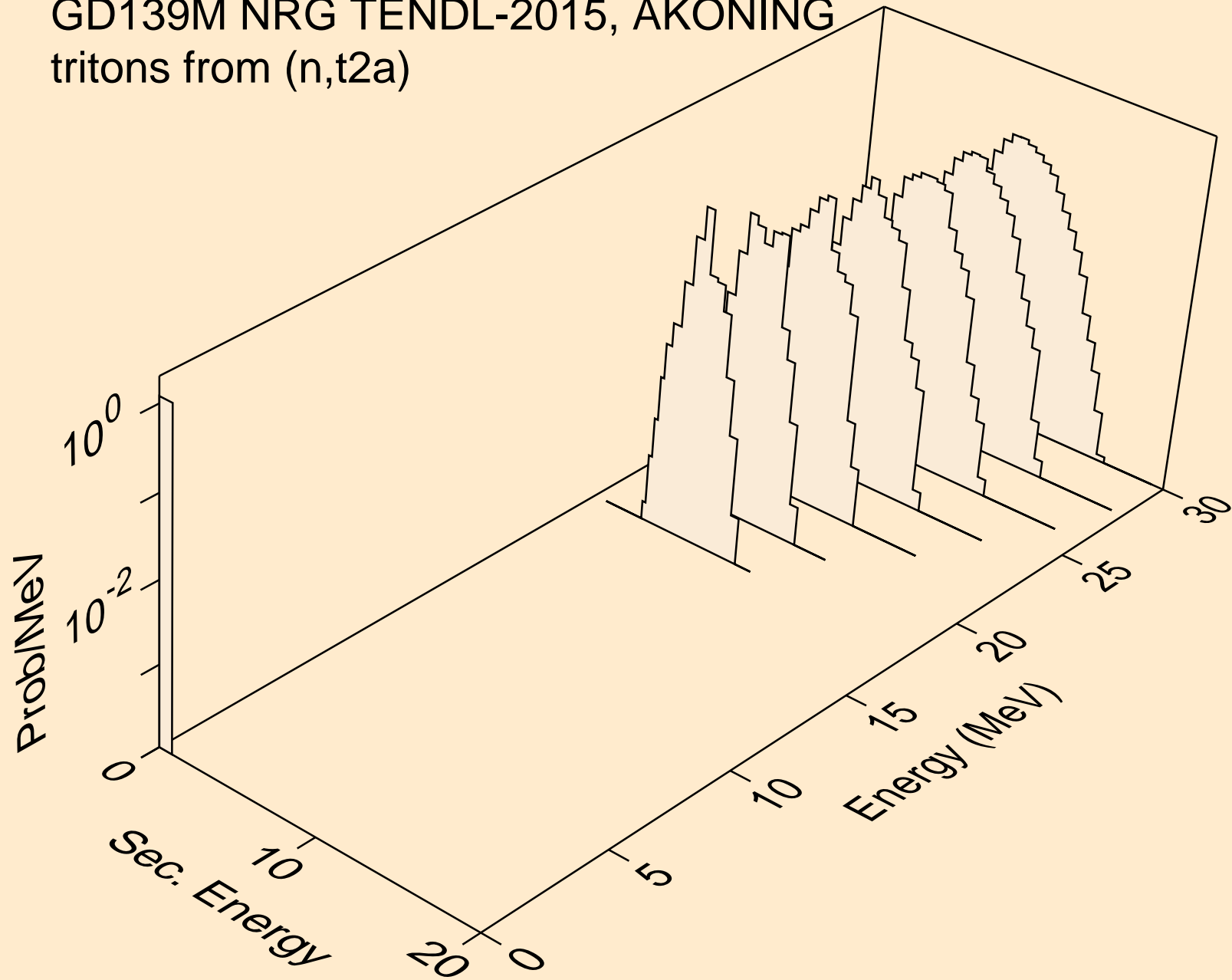
GD139M NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



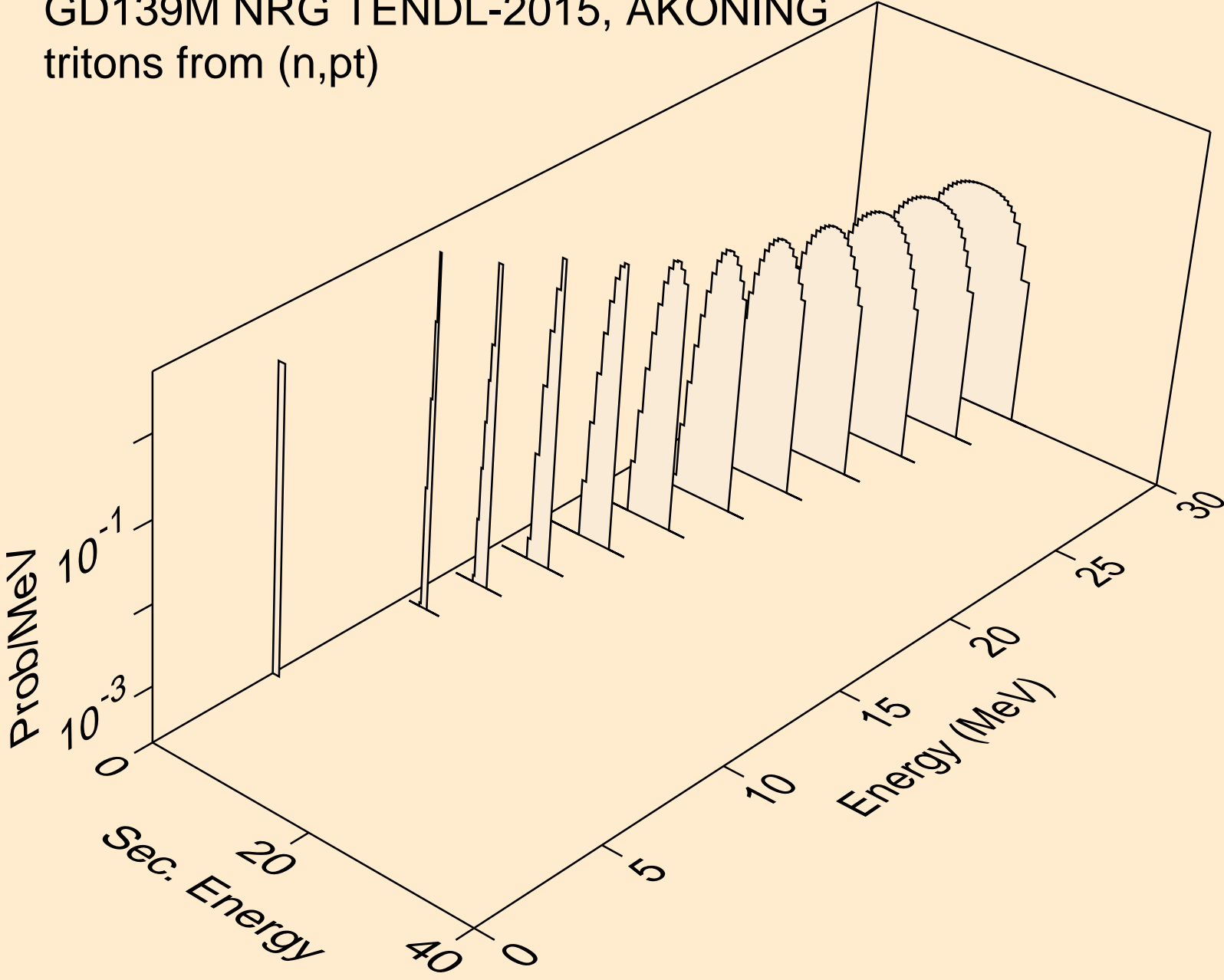
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tritons from (n,t)



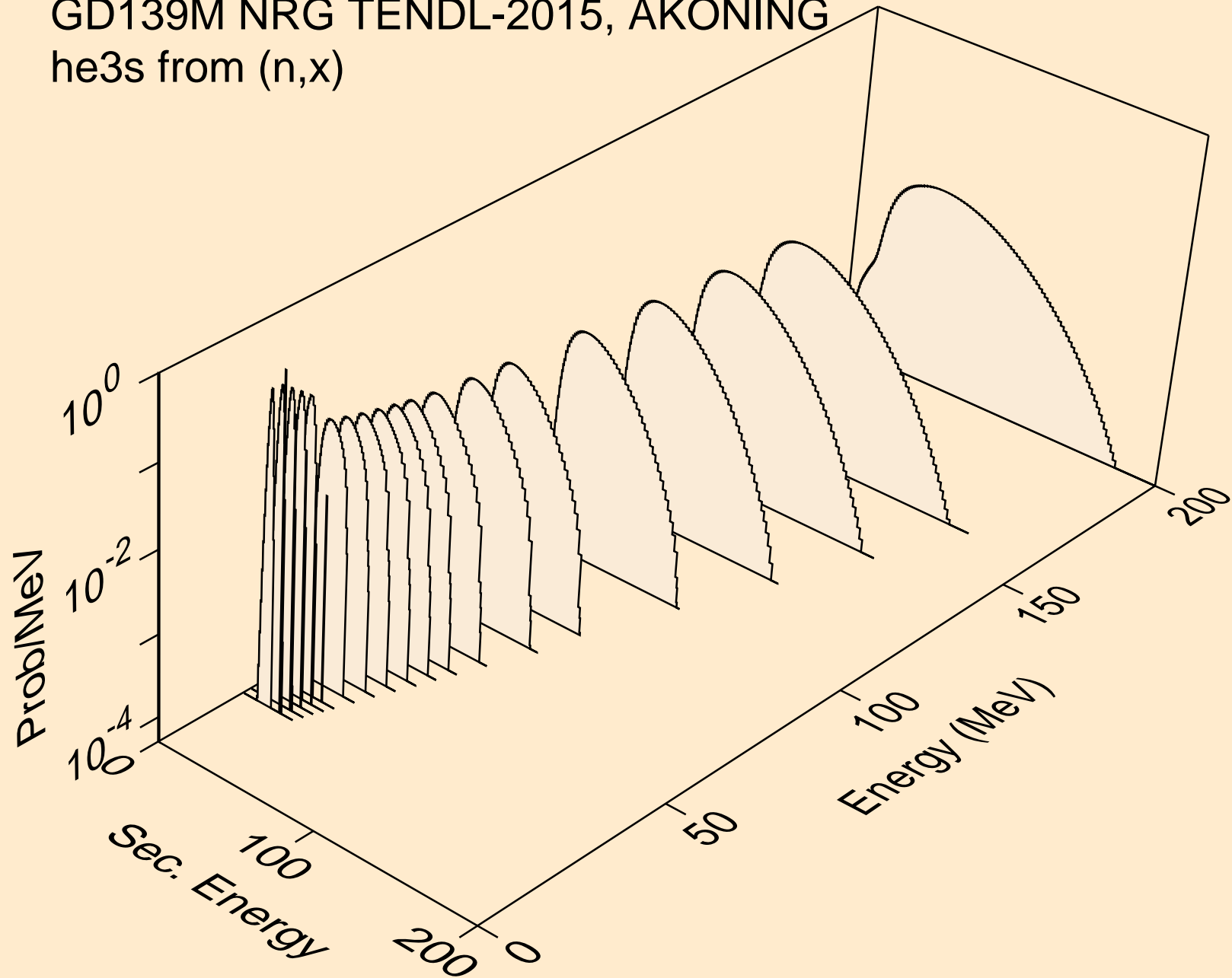
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tritons from (n,t2a)



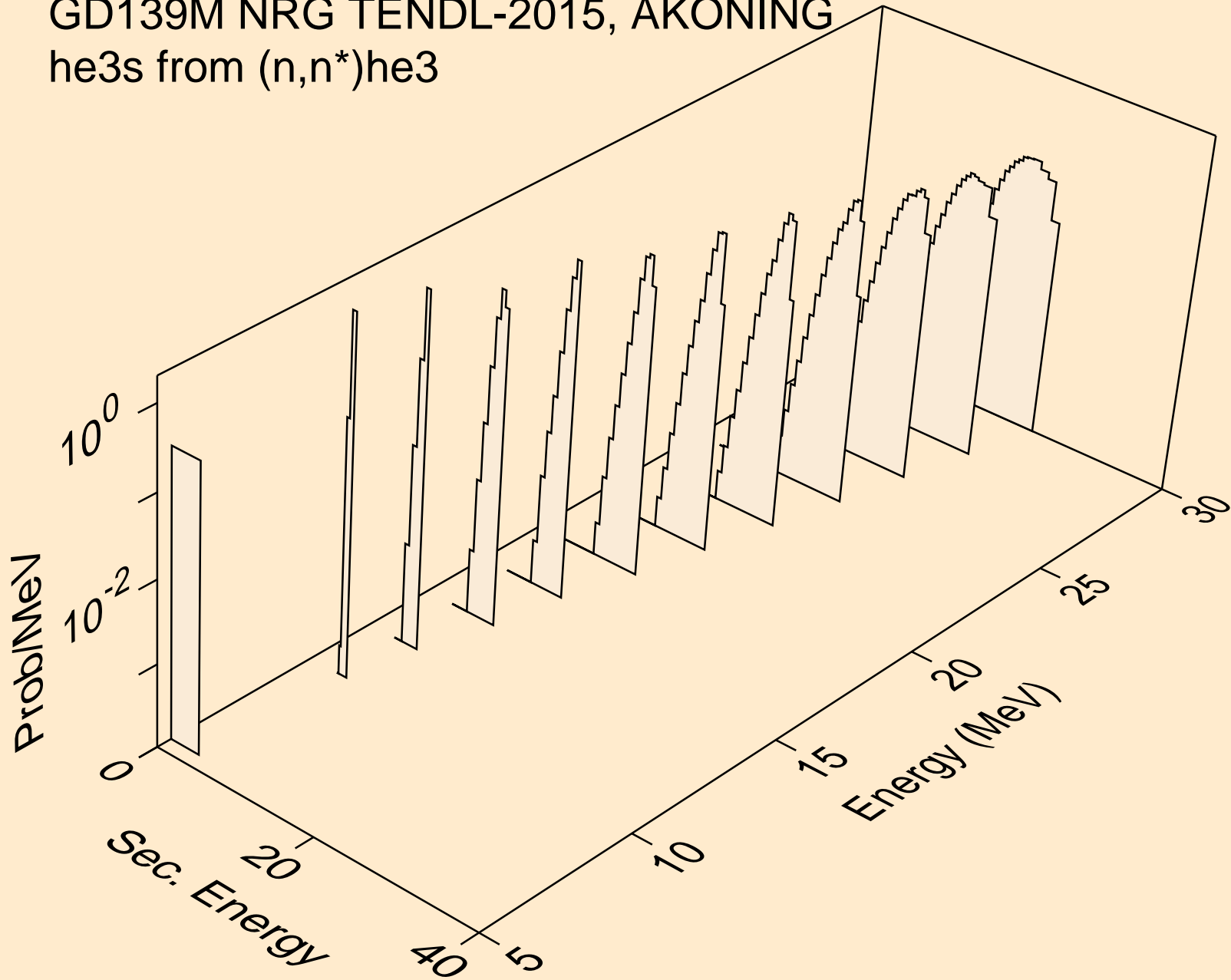
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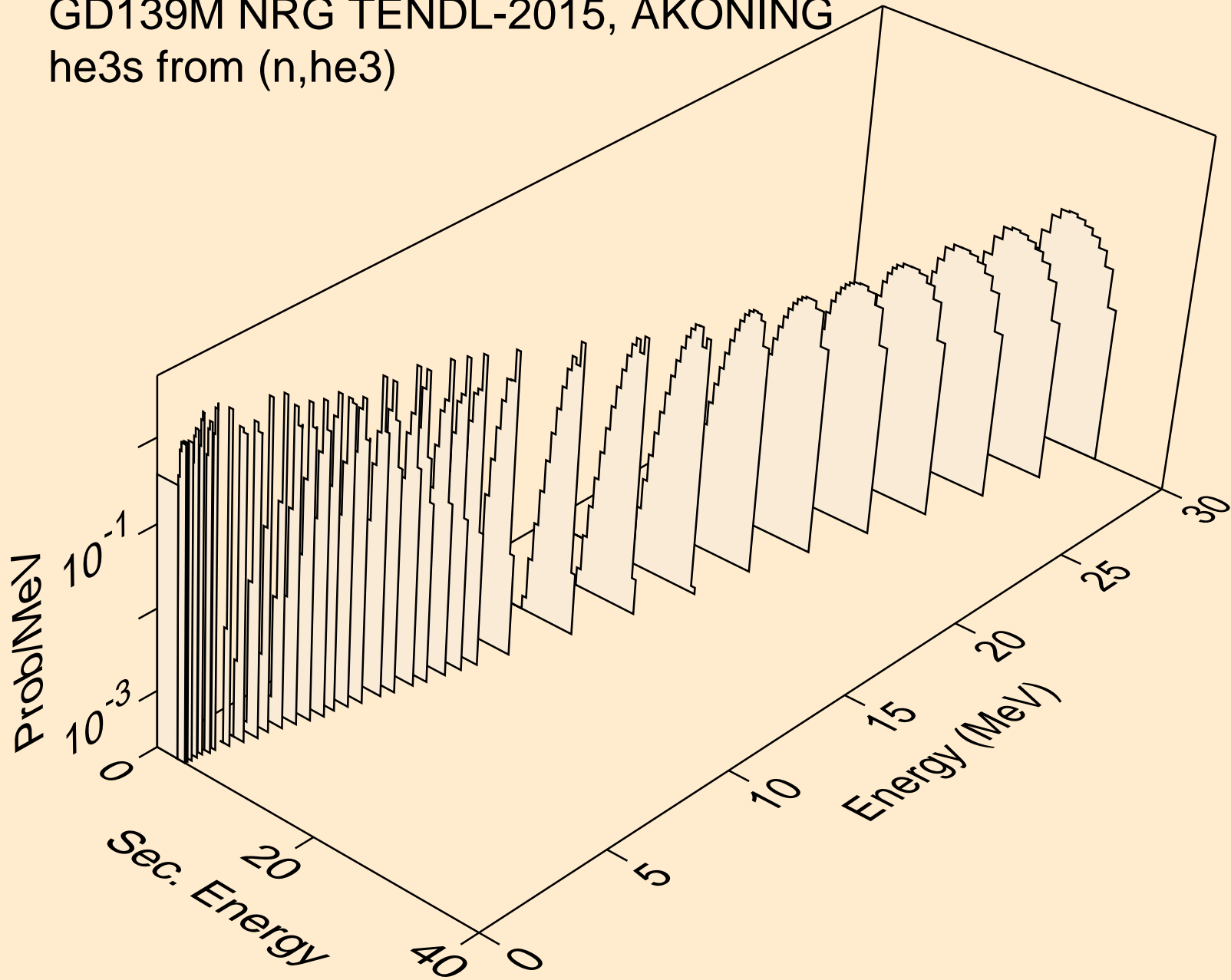
GD139M NRG TENDL-2015, AKONING  
he3s from (n,x)



GD139M NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3

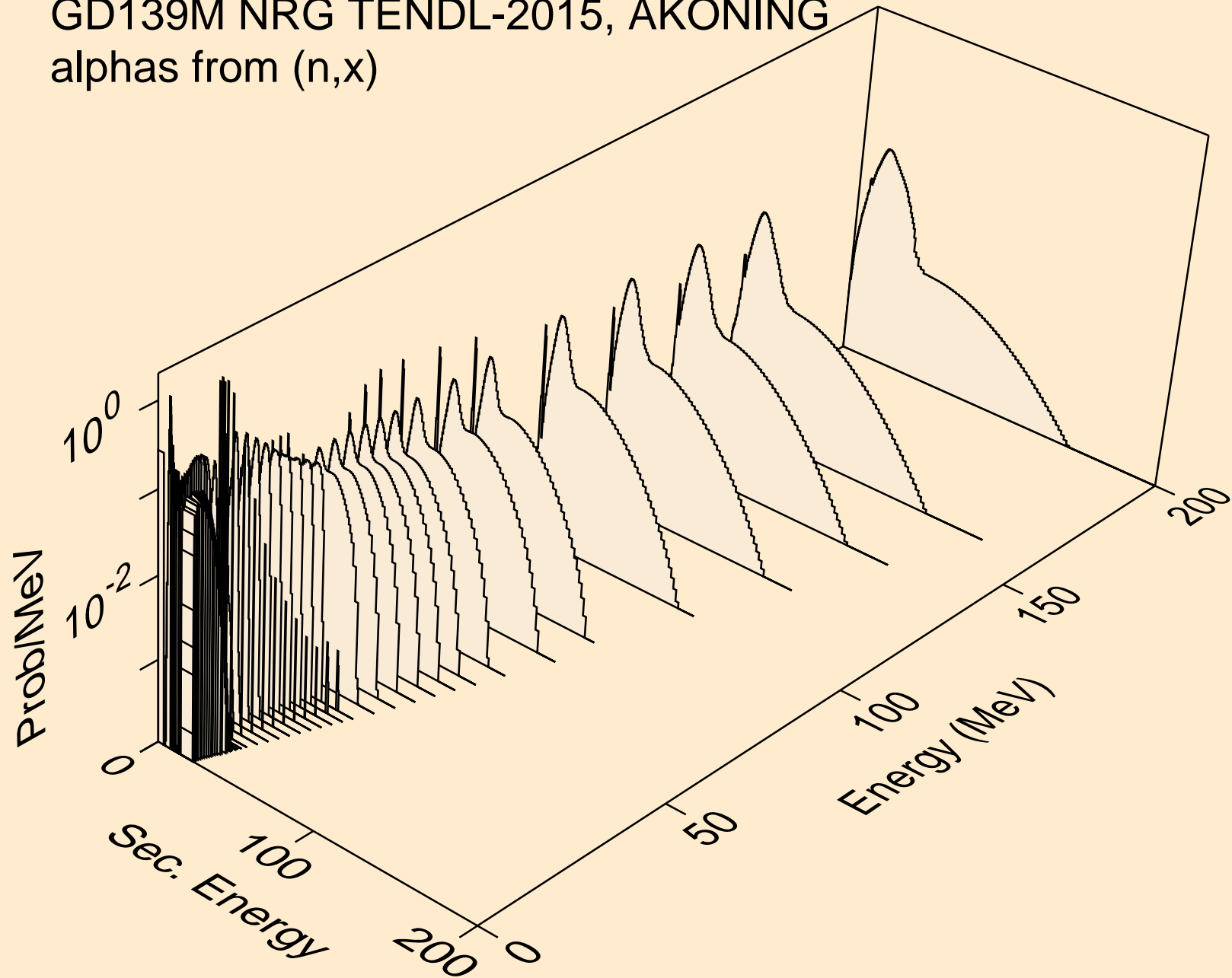


GD139M NRG TENDL-2015, AKONING  
he3s from (n,he3)

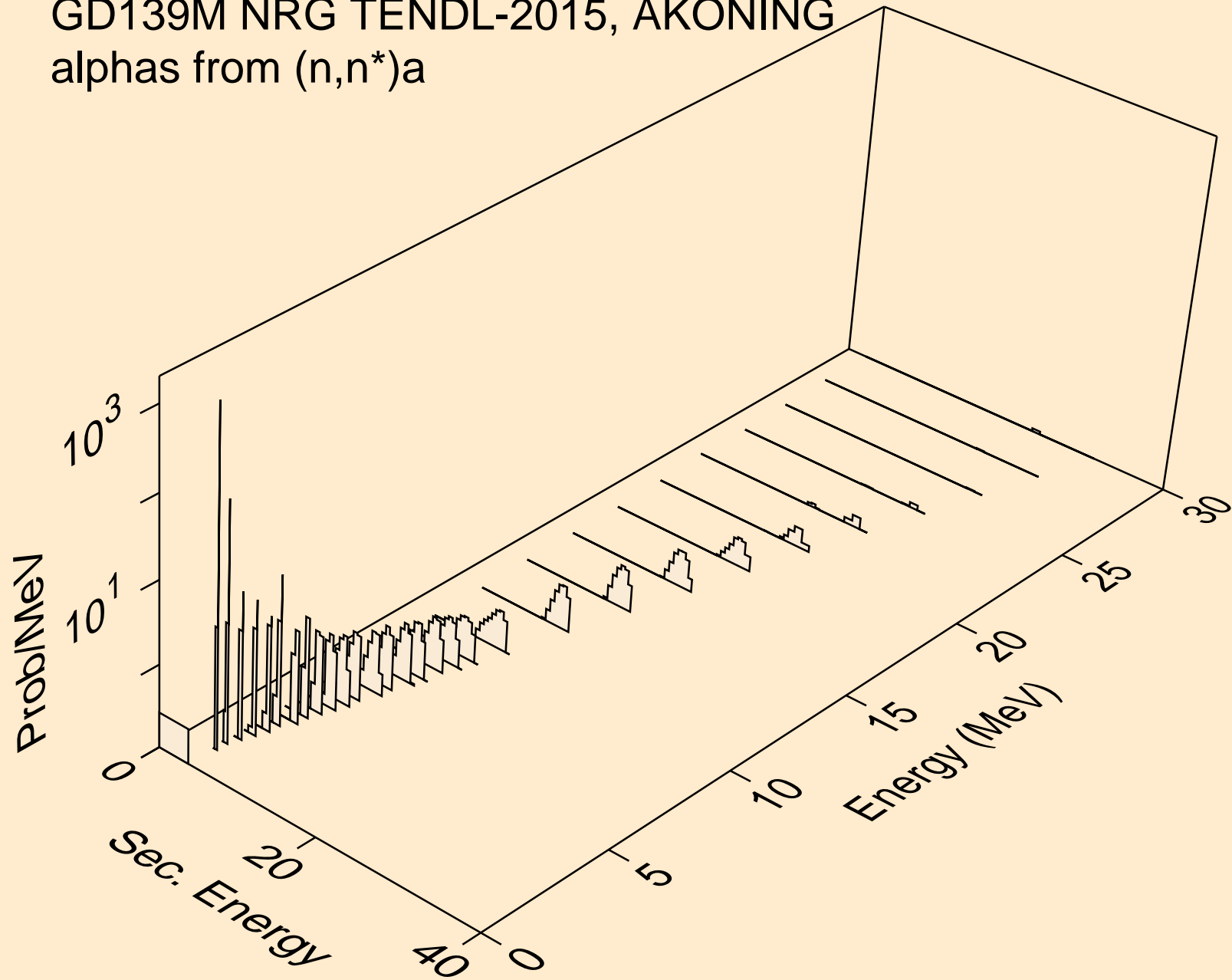




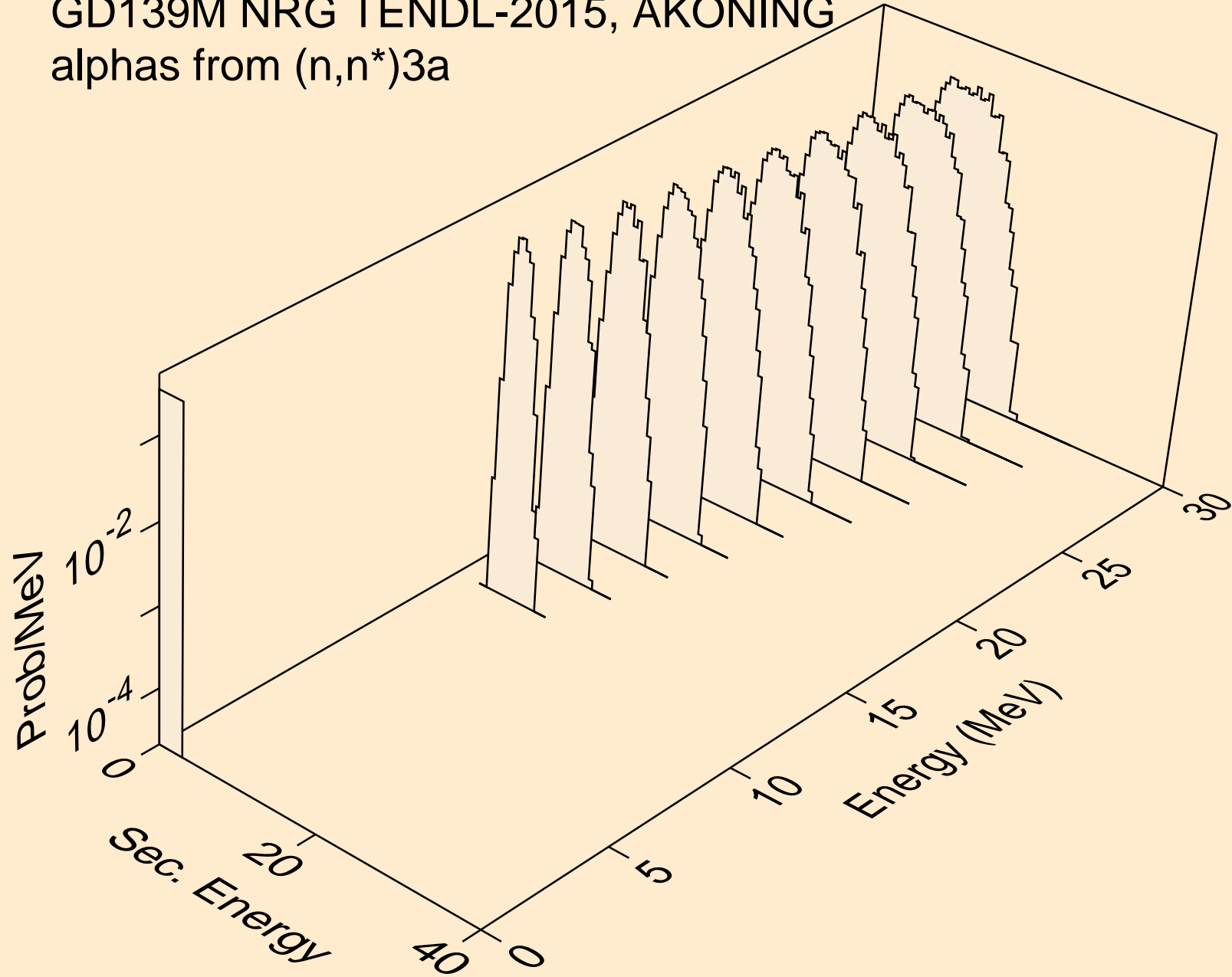
GD139M NRG TENDL-2015, AKONING  
alphas from (n,x)



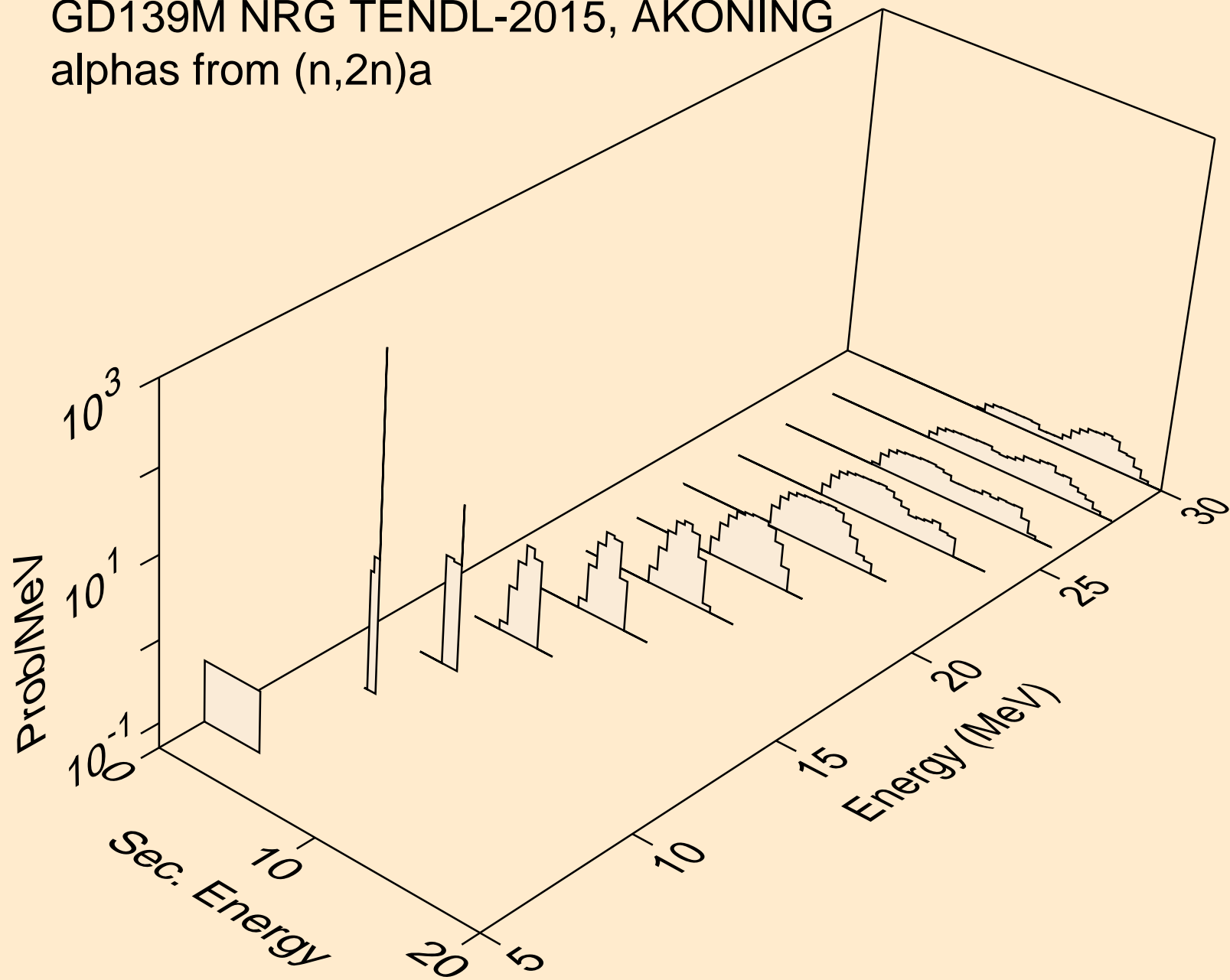
GD139M NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



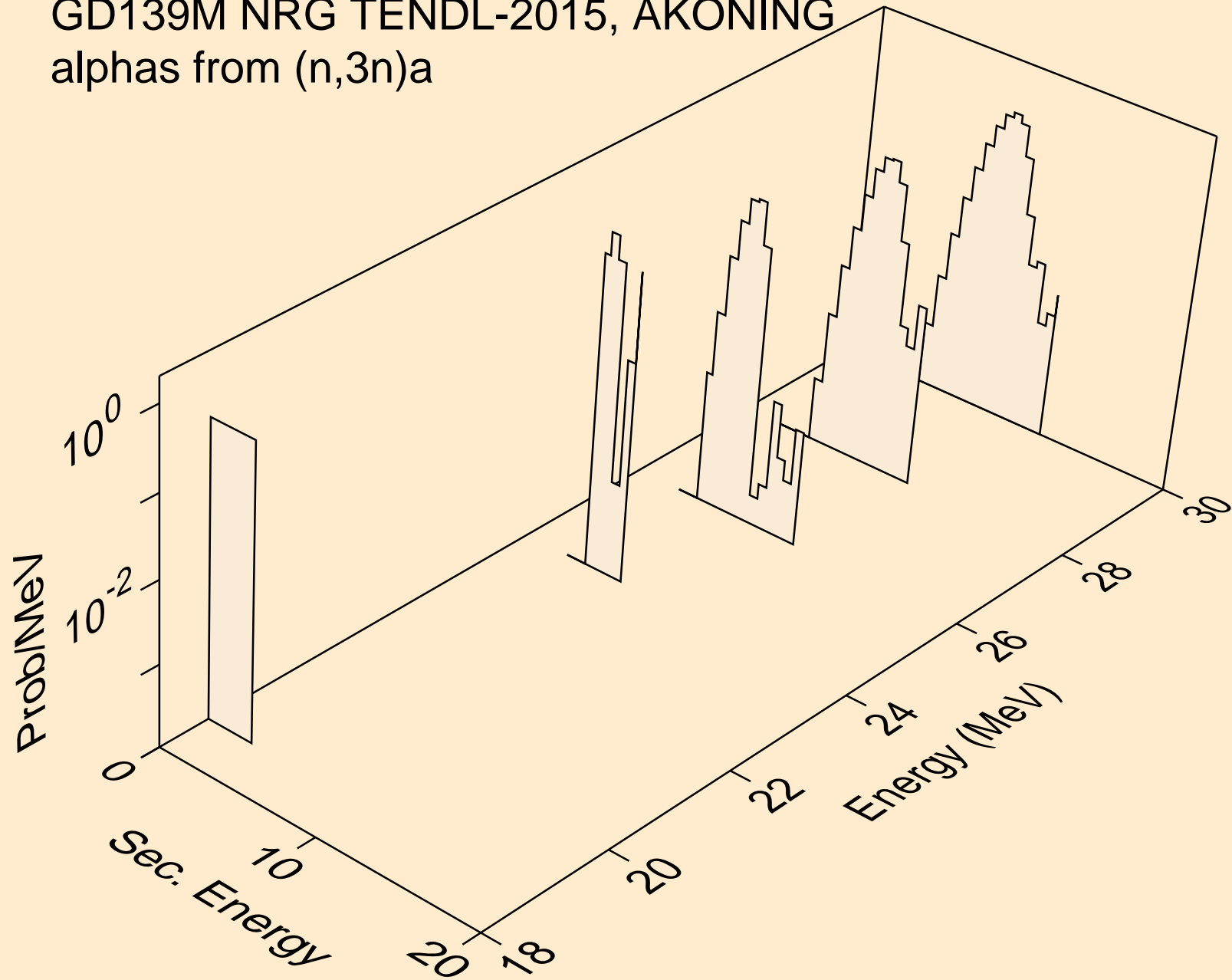
GD139M NRG TENDL-2015, AKONING  
alphas from (n,n\*)3a



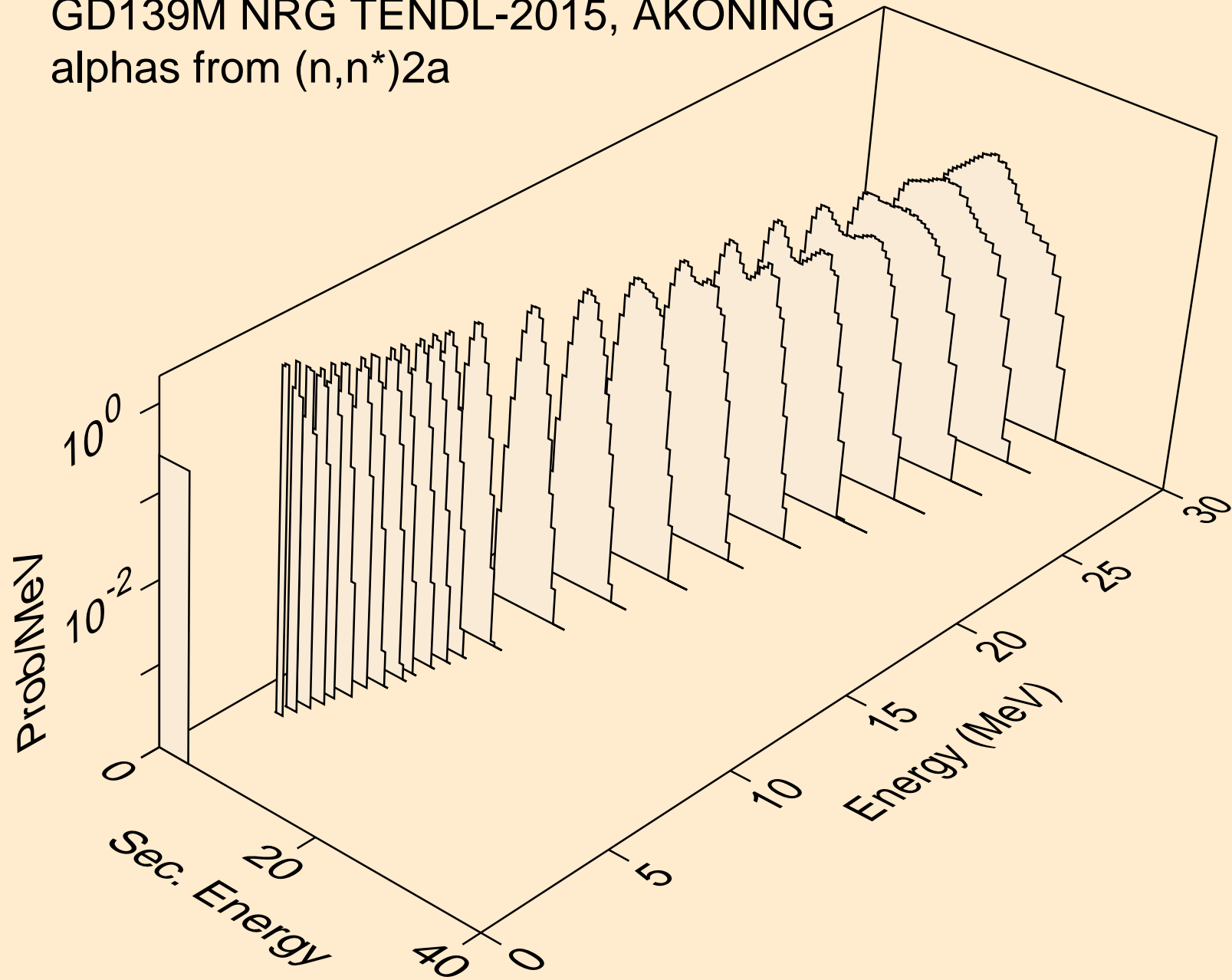
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alphas from (n,2n)a



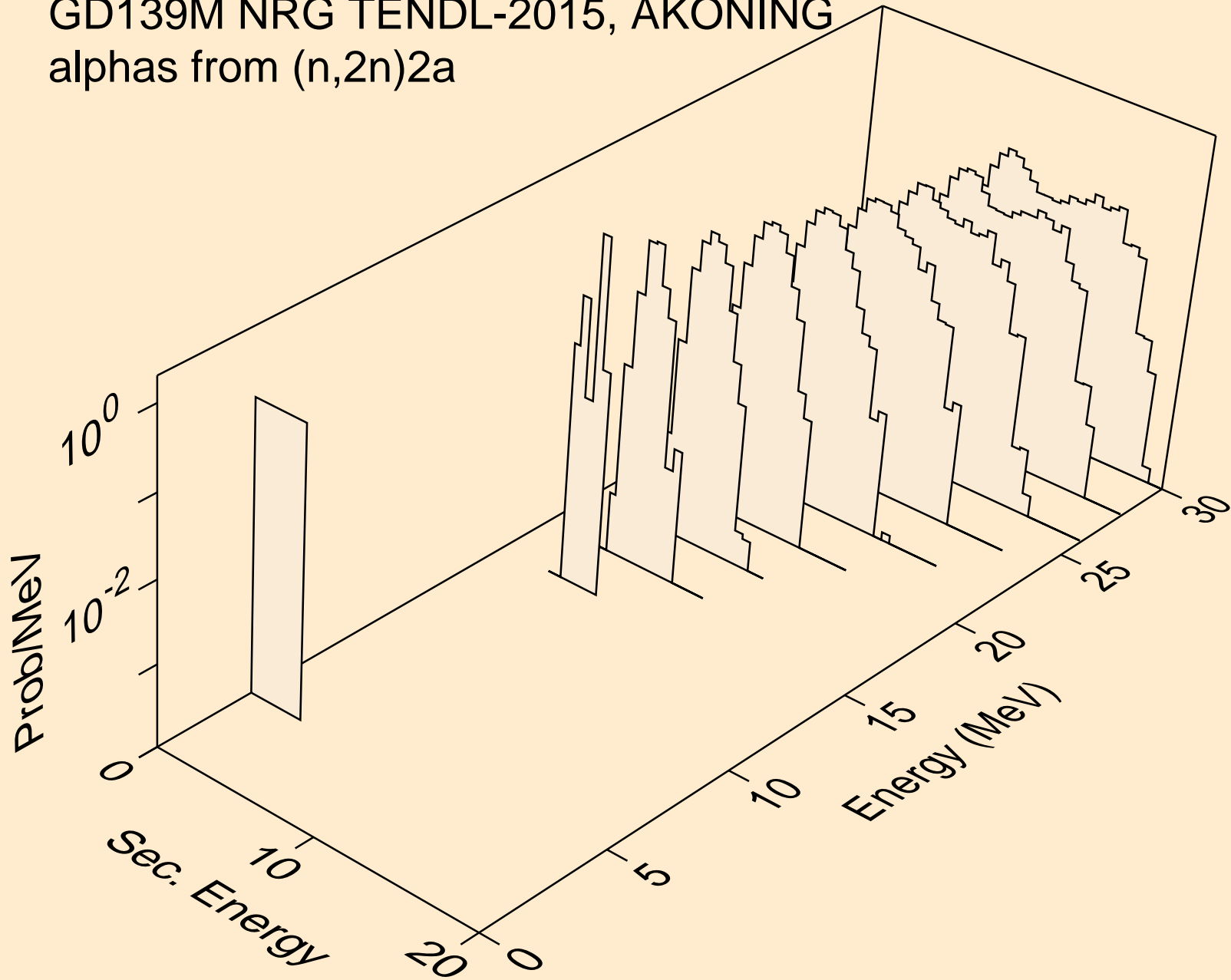
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alphas from (n,3n)a



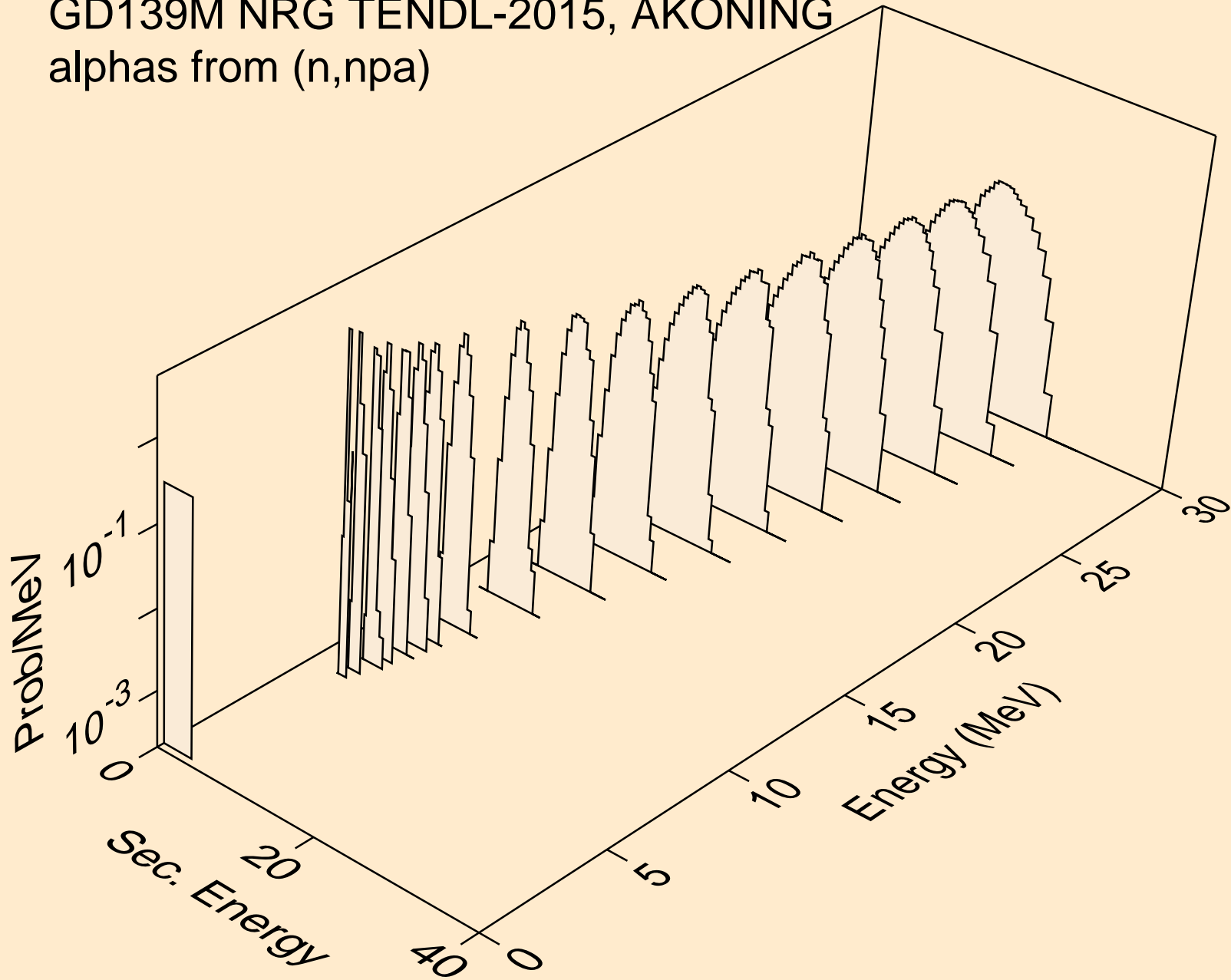
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alphas from (n,n\*)2a



GD139M NRG TENDL-2015, AKONING  
alphas from (n,2n)2a

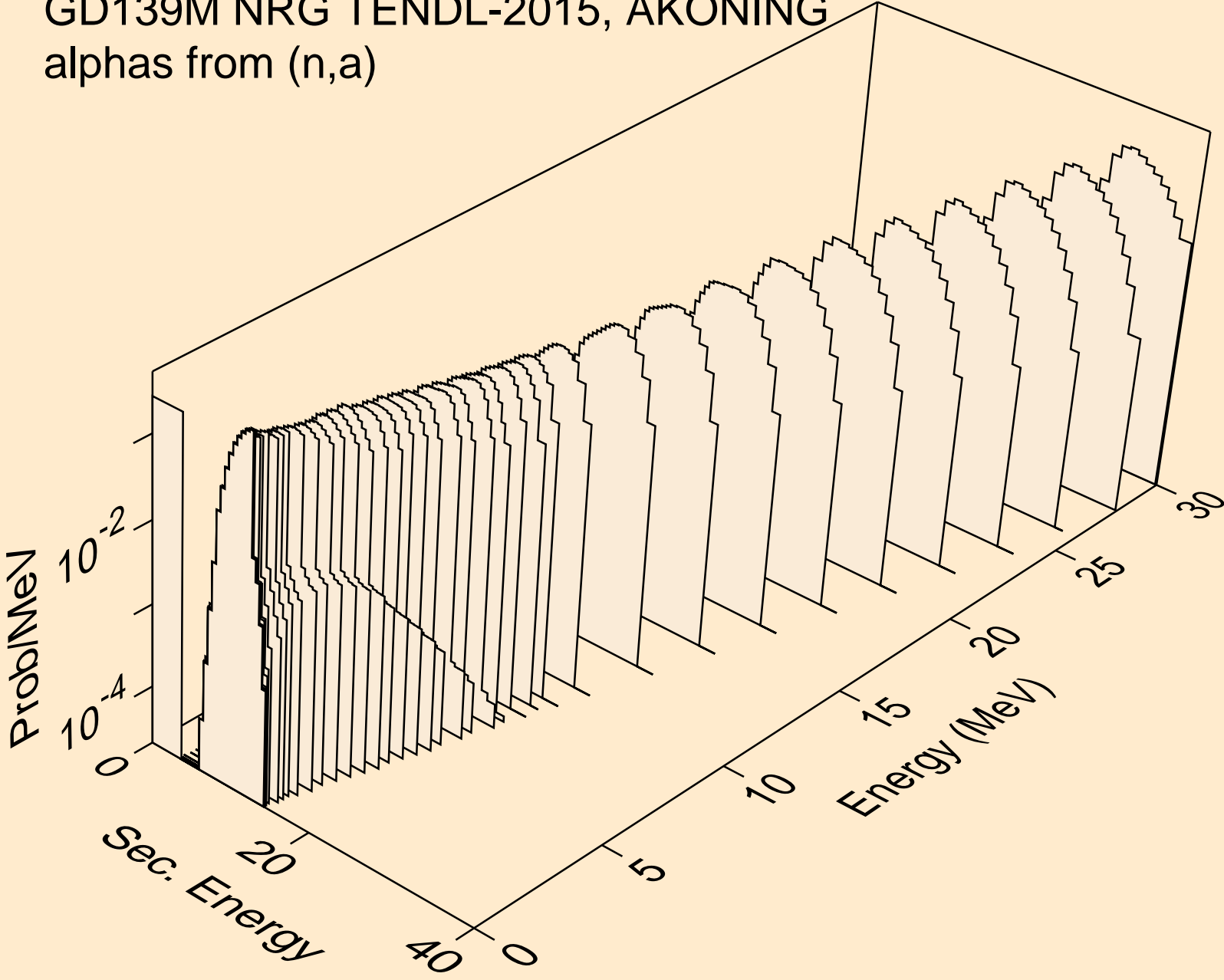


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alphas from (n,npa)

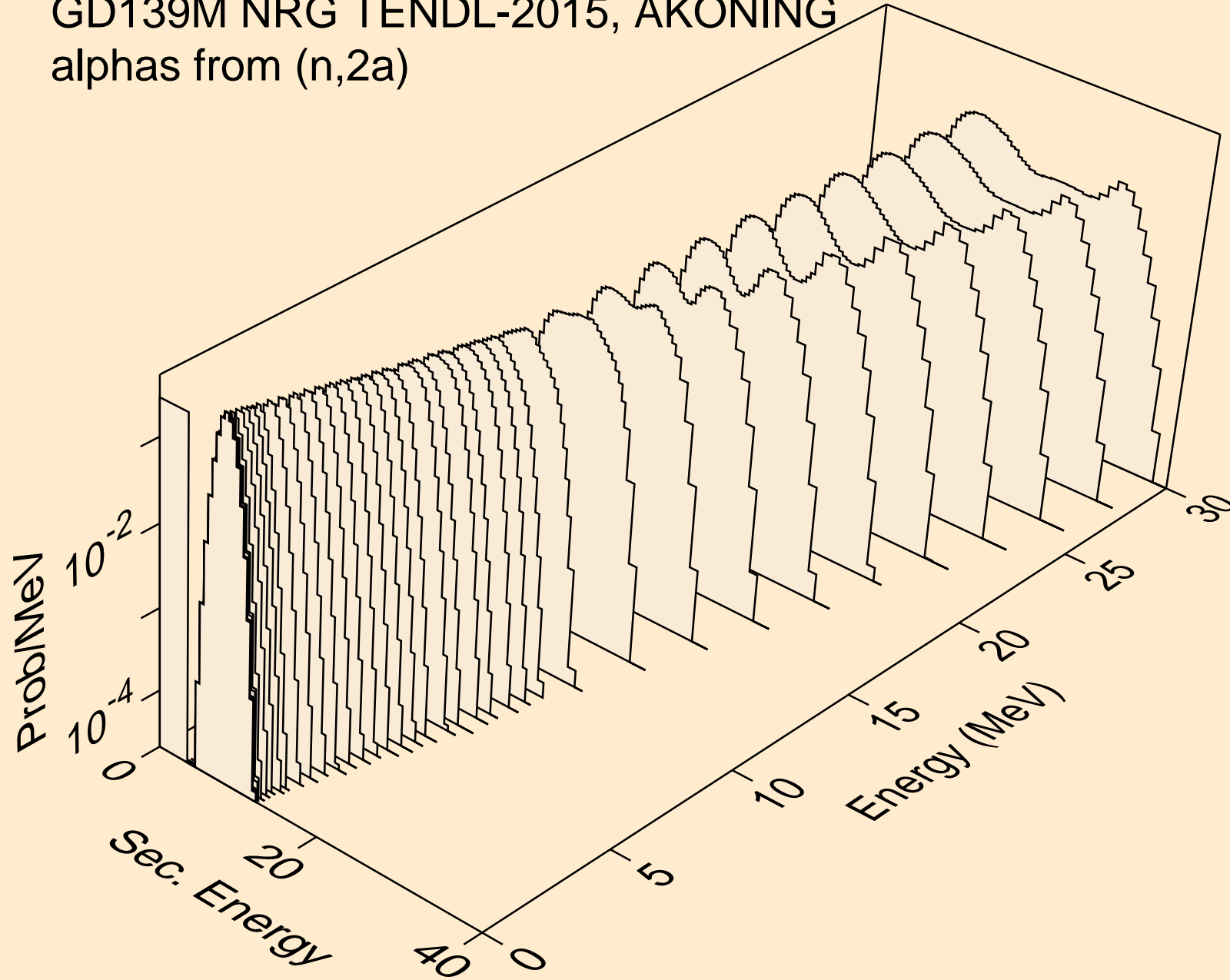




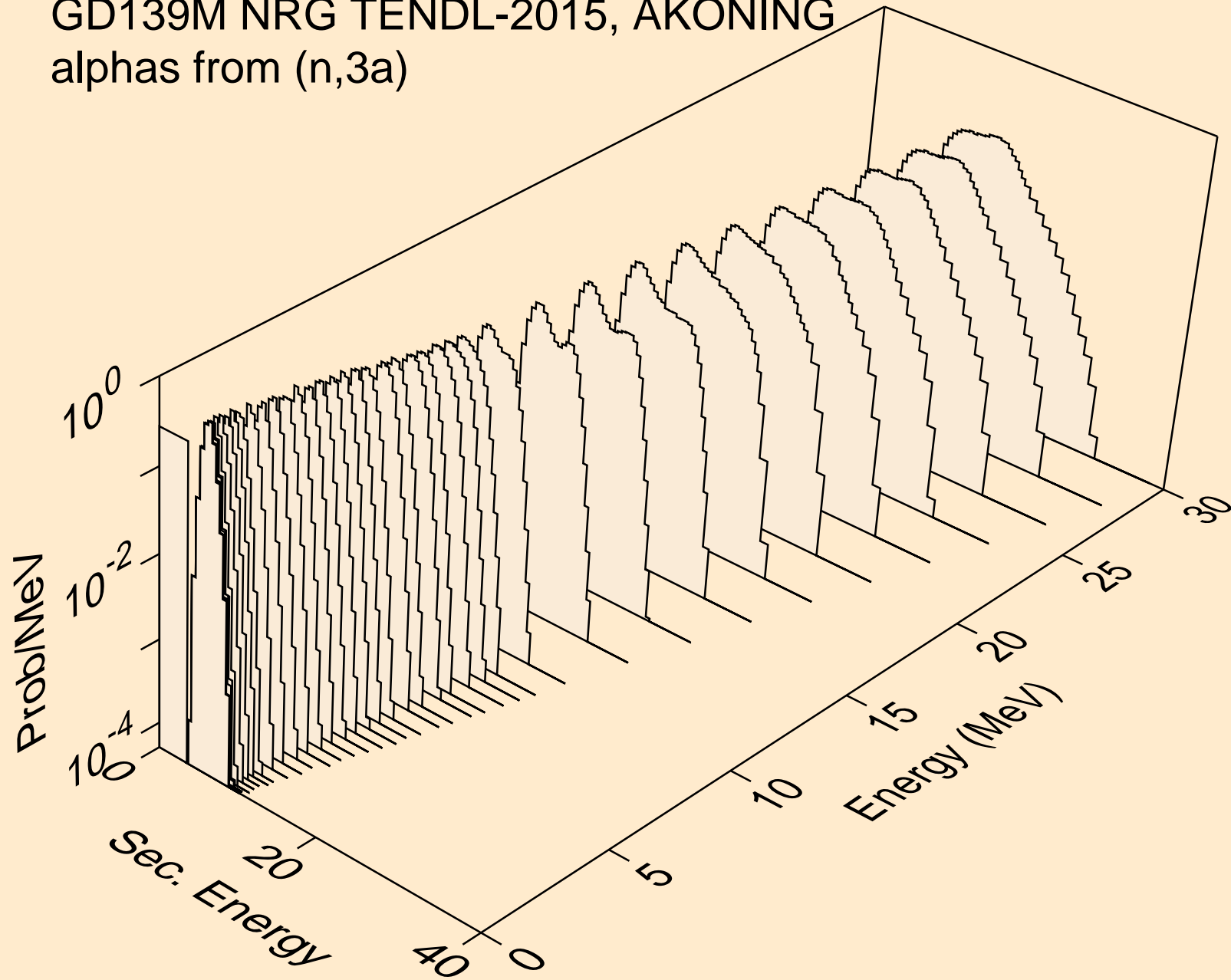
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alphas from (n,a)



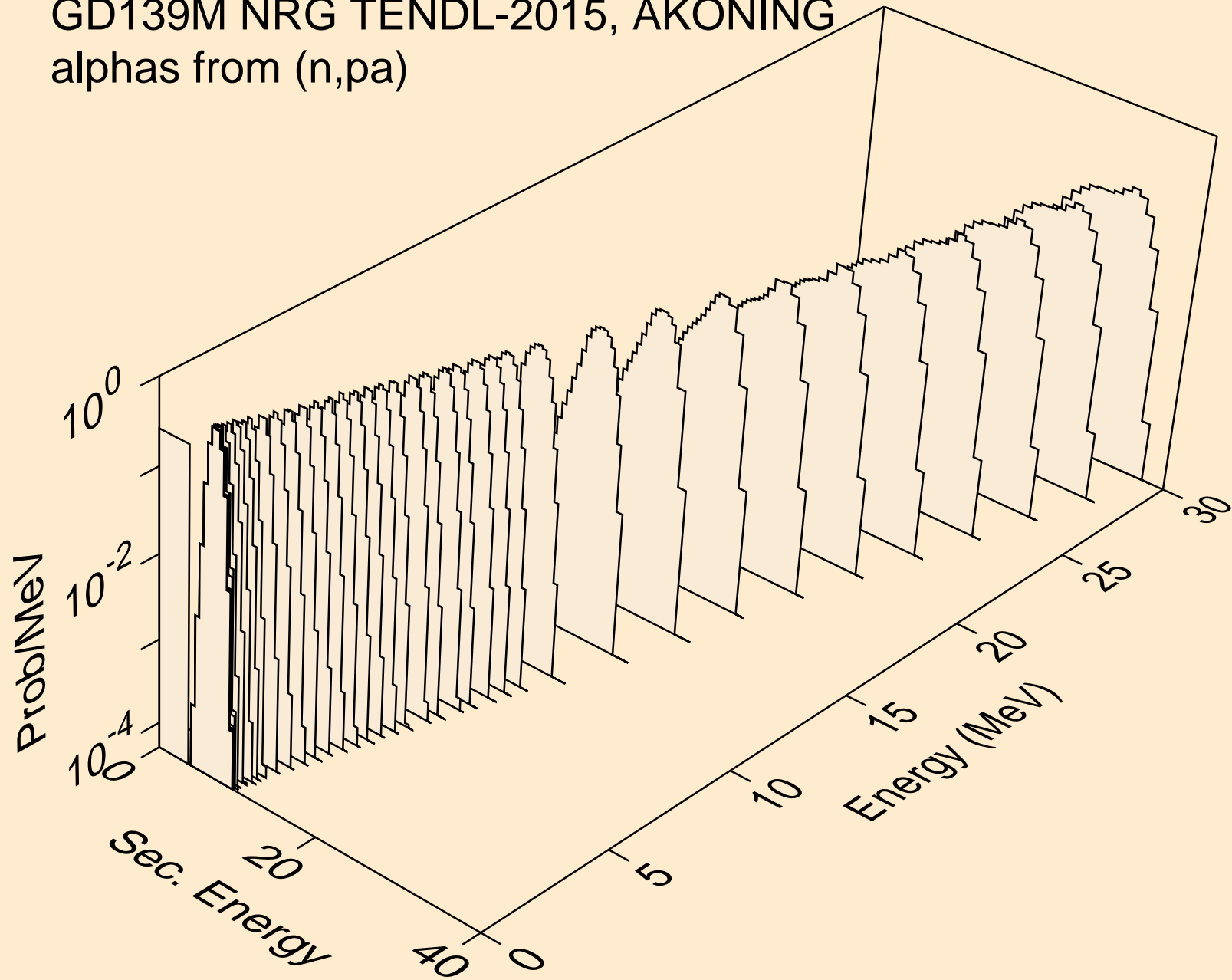
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alphas from (n,2a)



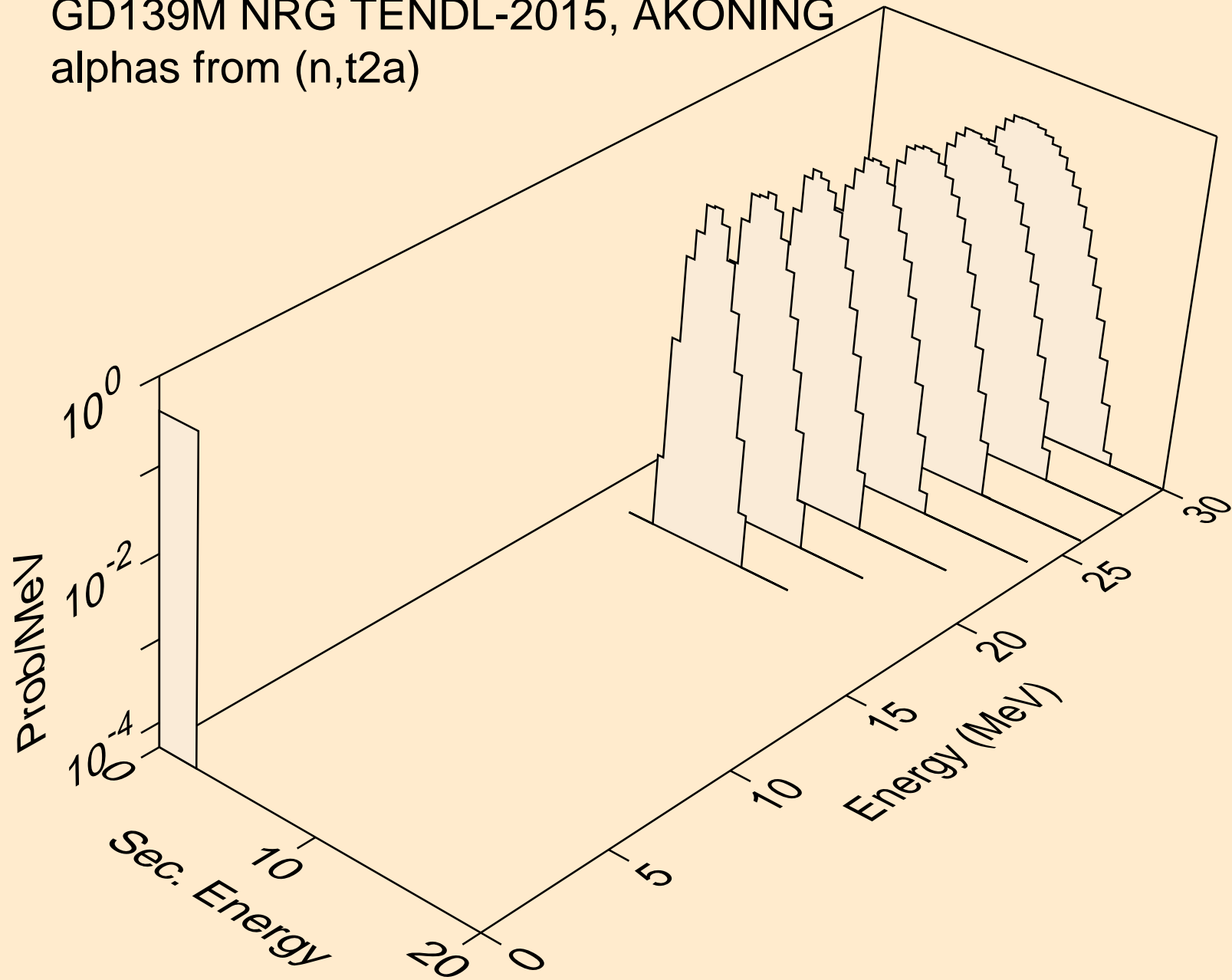
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alphas from (n,3a)



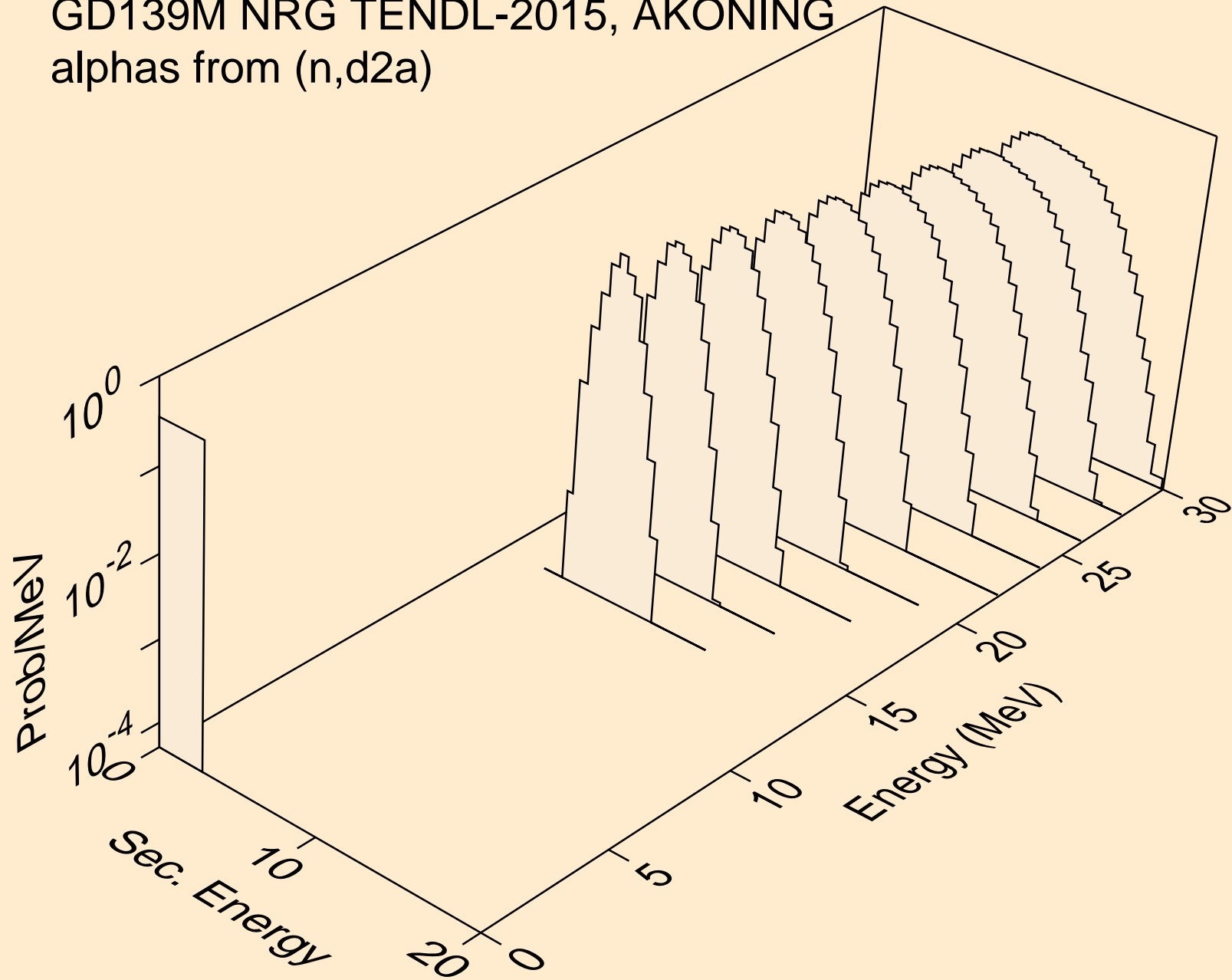
GD139M NRG TENDL-2015, AKONING  
alphas from (n,pa)



GD139M NRG TENDL-2015, AKONING  
alphas from (n,t2a)



GD139M NRG TENDL-2015, AKONING  
alphas from (n,d2a)



GD139M NRG TENDL-2015, AKONING  
alphas from (n,da)

