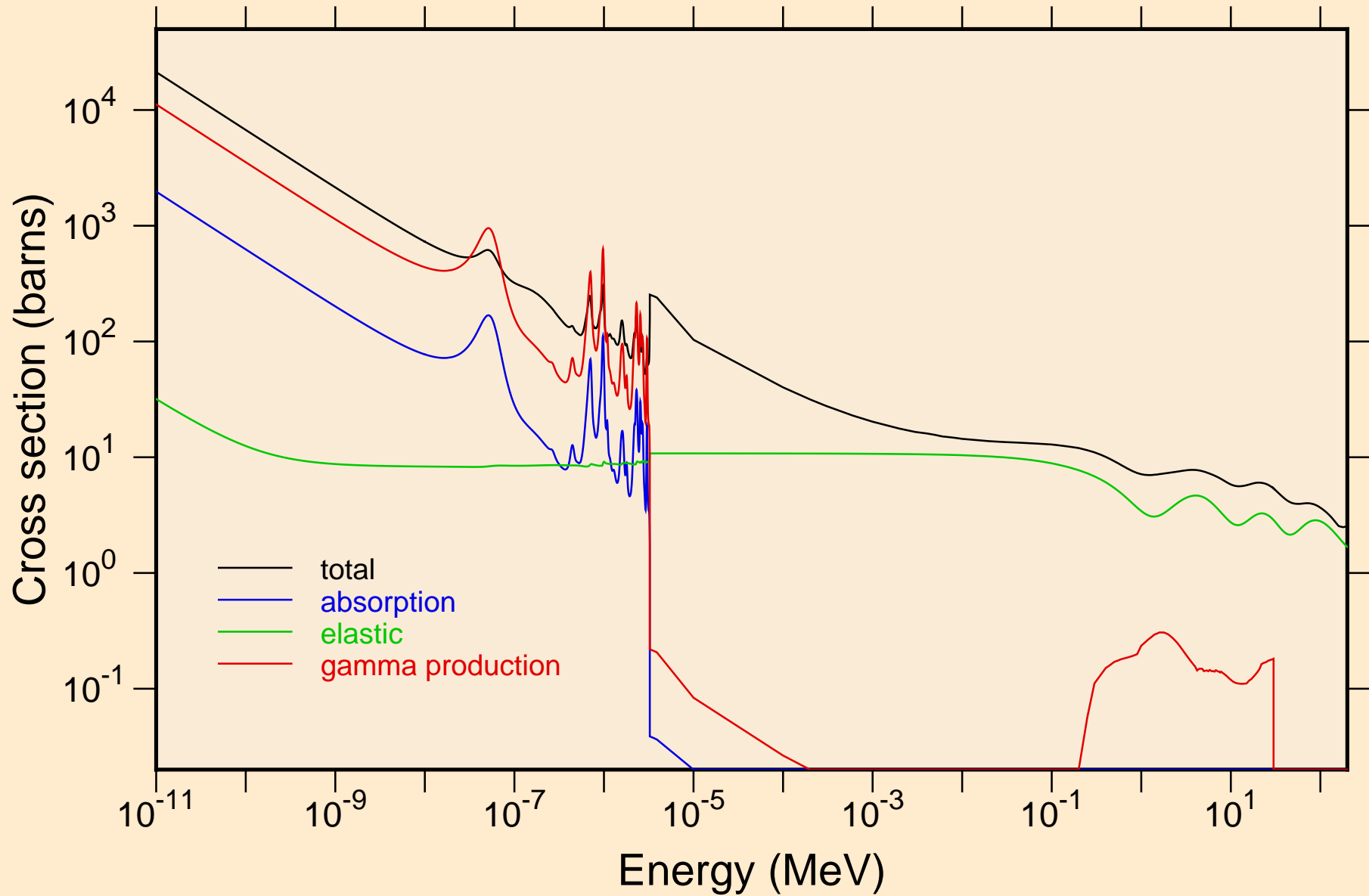


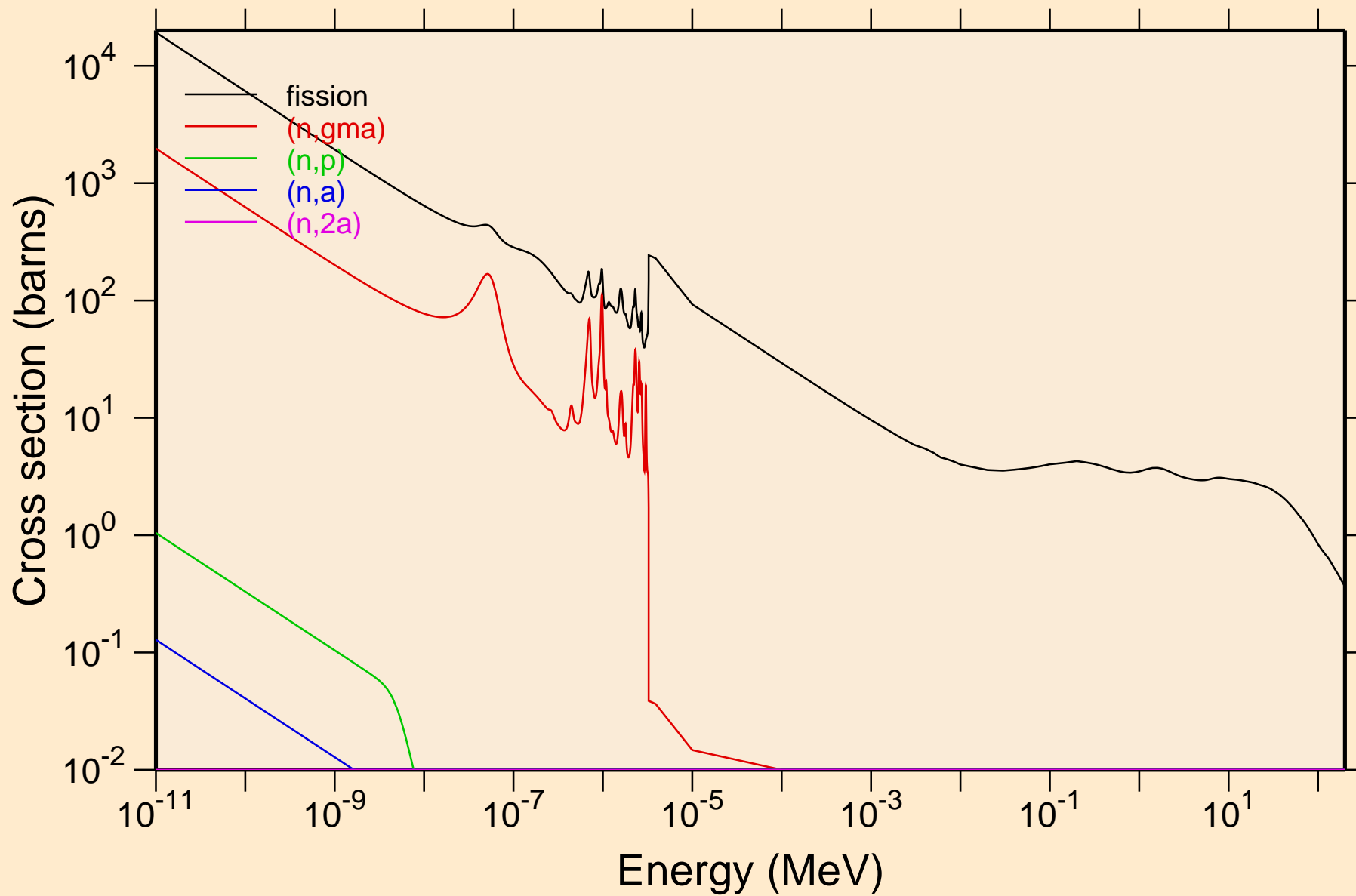
# N-ES239 NRG TENDL-2017, AKONING

## Principal cross sections



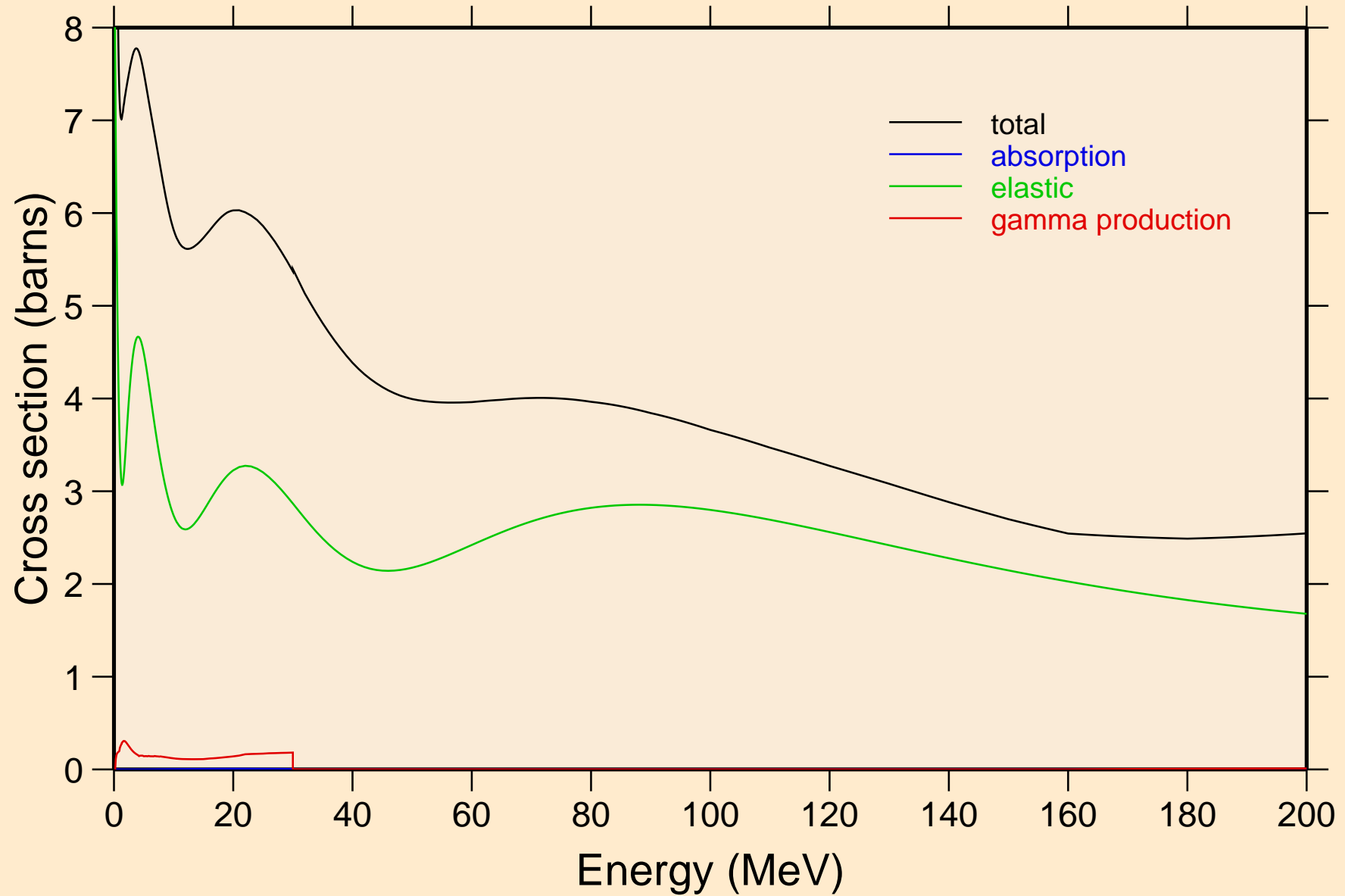
# N-ES239 NRG TENDL-2017, AKONING

## Non-threshold reactions



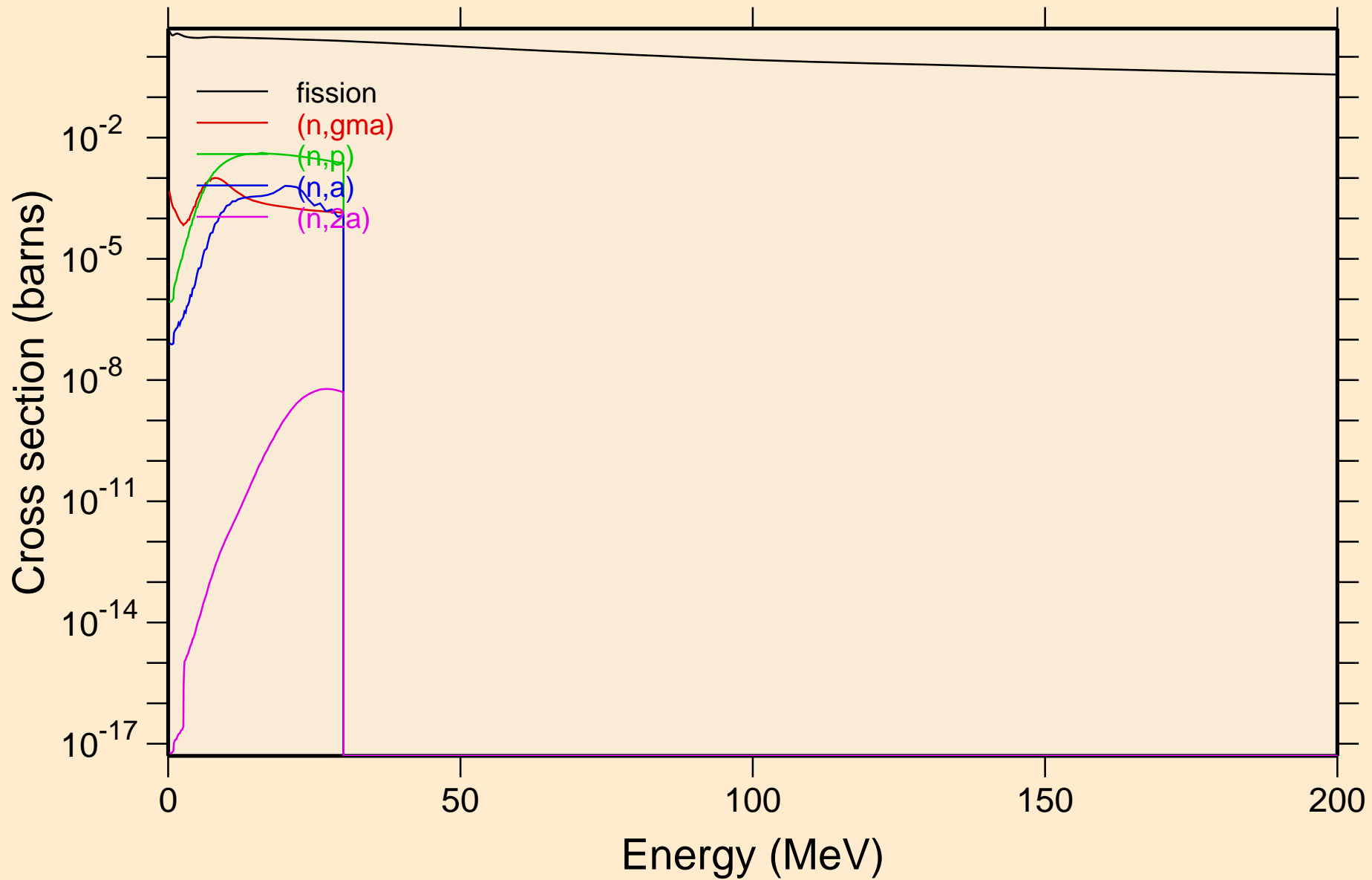
# N-ES239 NRG TENDL-2017, AKONING

## Principal cross sections

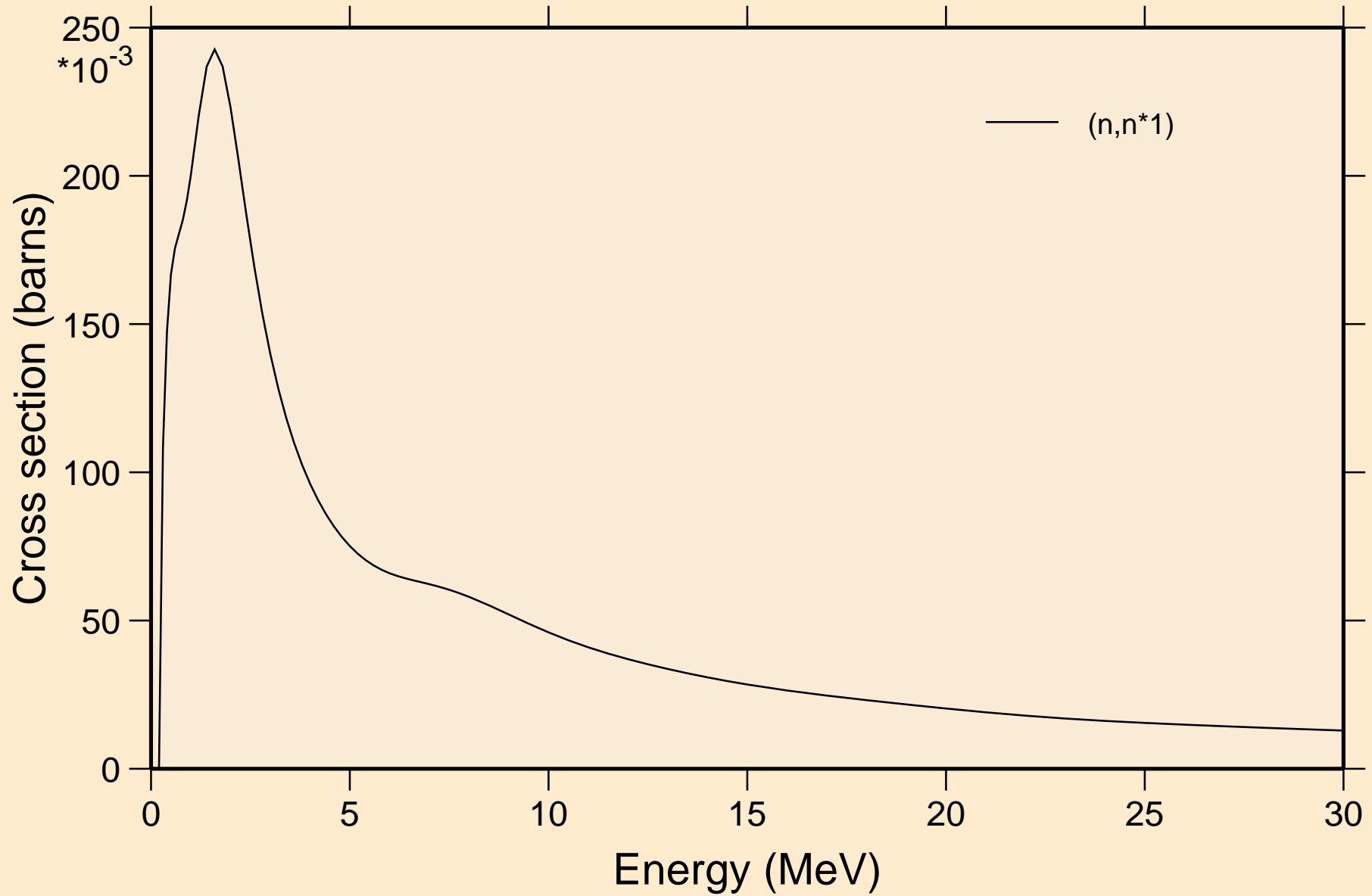


# N-ES239 NRG TENDL-2017, AKONING

## Non-threshold reactions

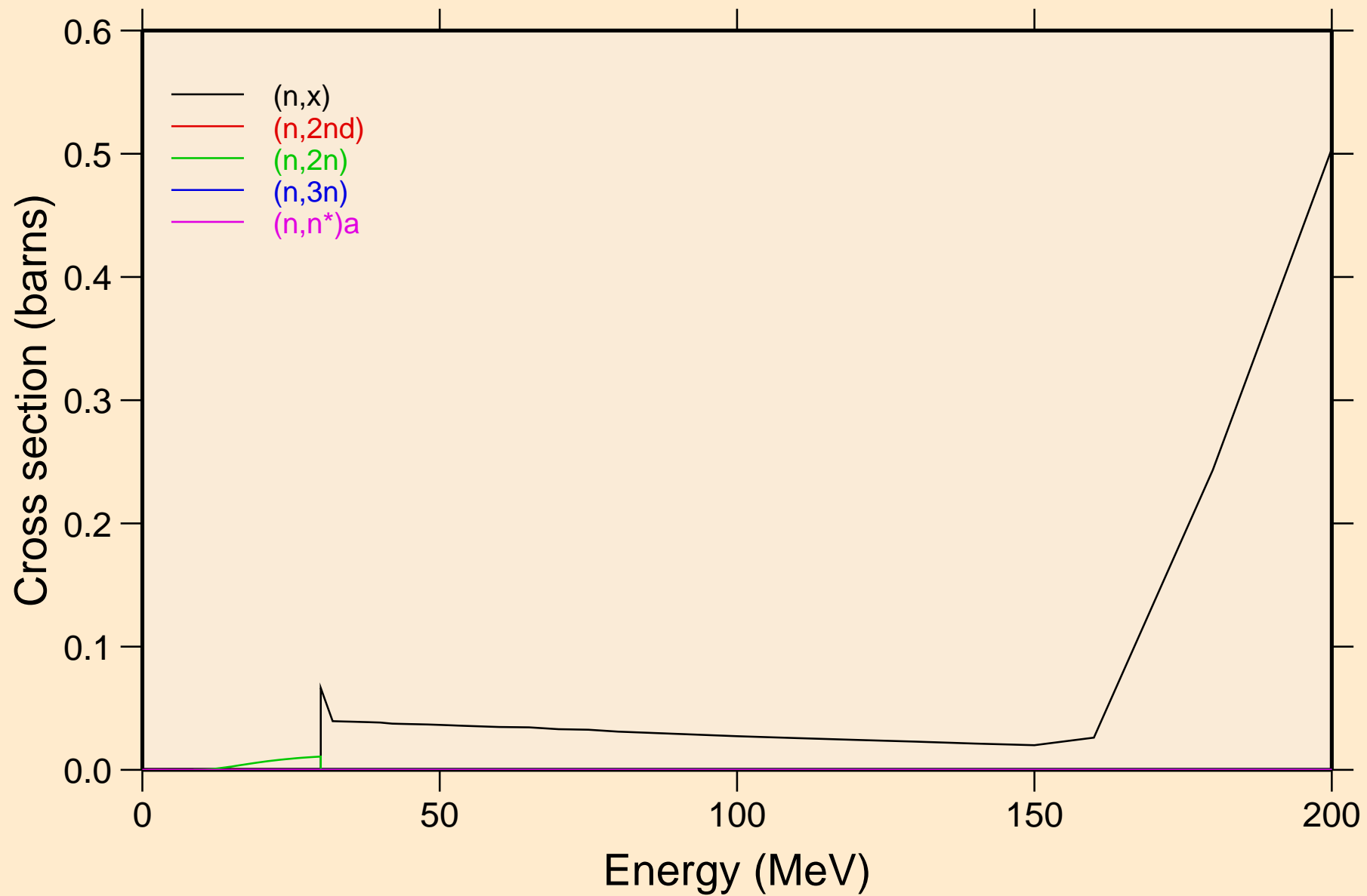


N-ES239 NRG TENDL-2017, AKONING  
Inelastic levels



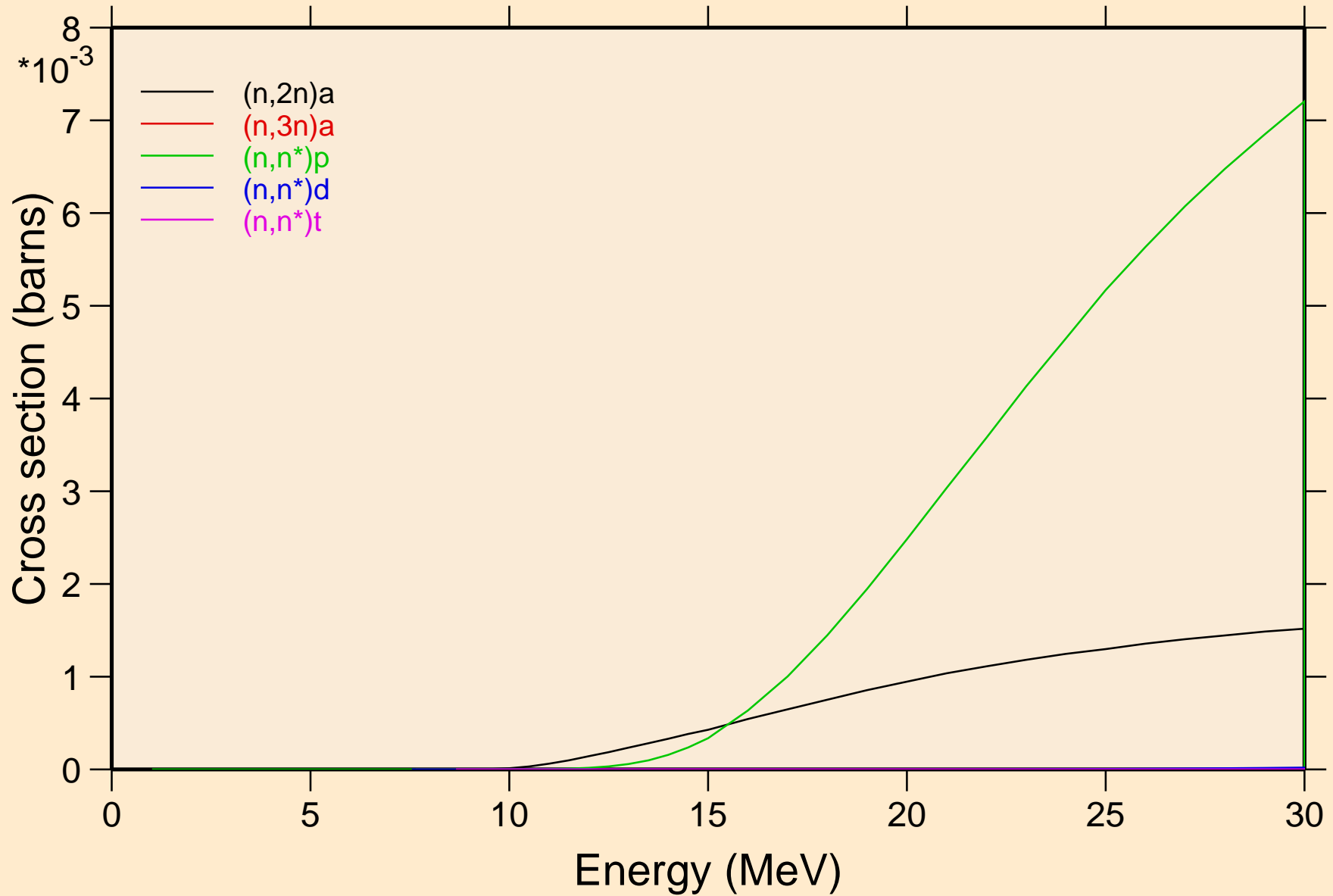
# N-ES239 NRG TENDL-2017, AKONING

## Threshold reactions



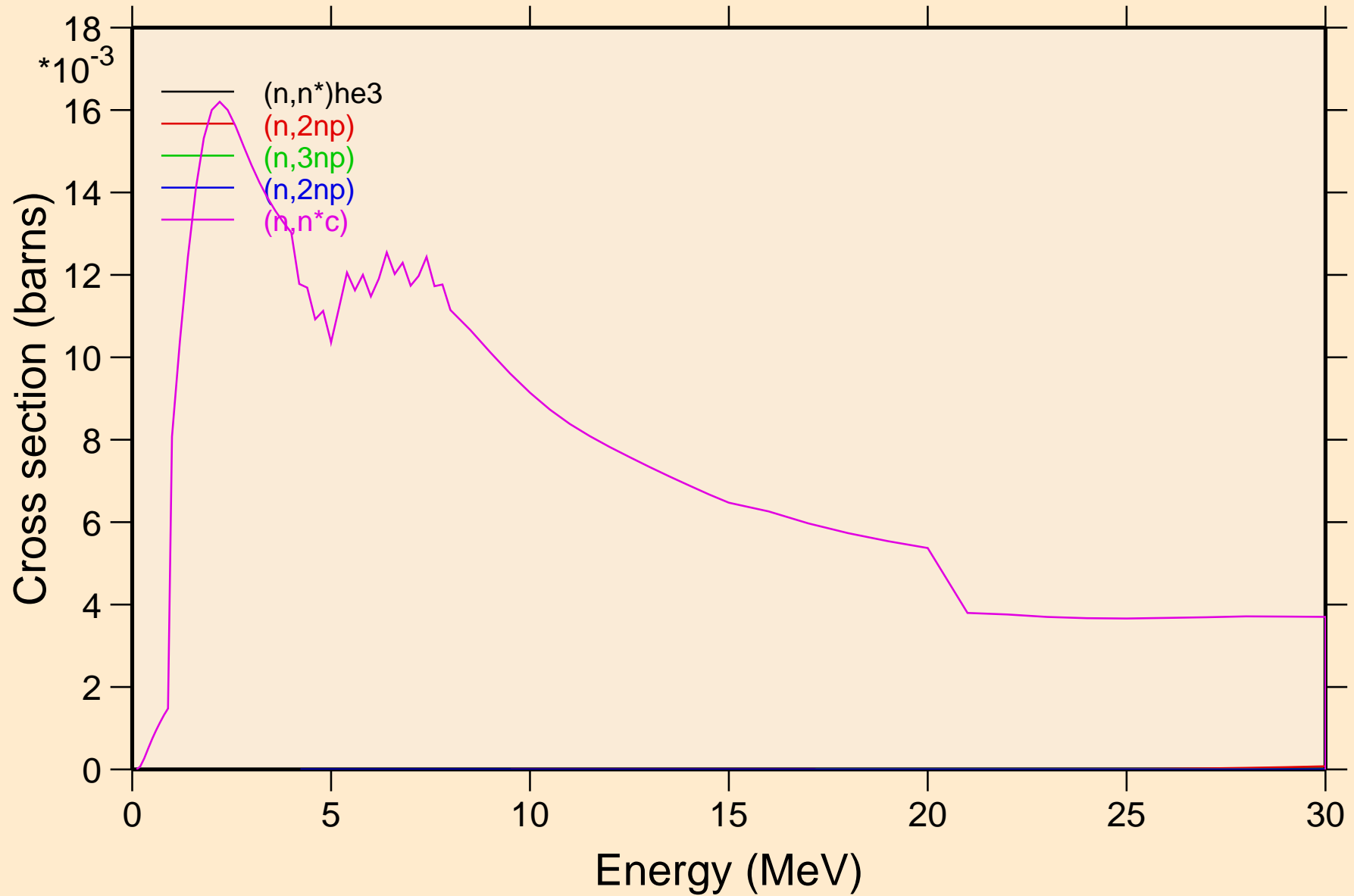
# N-ES239 NRG TENDL-2017, AKONING

## Threshold reactions



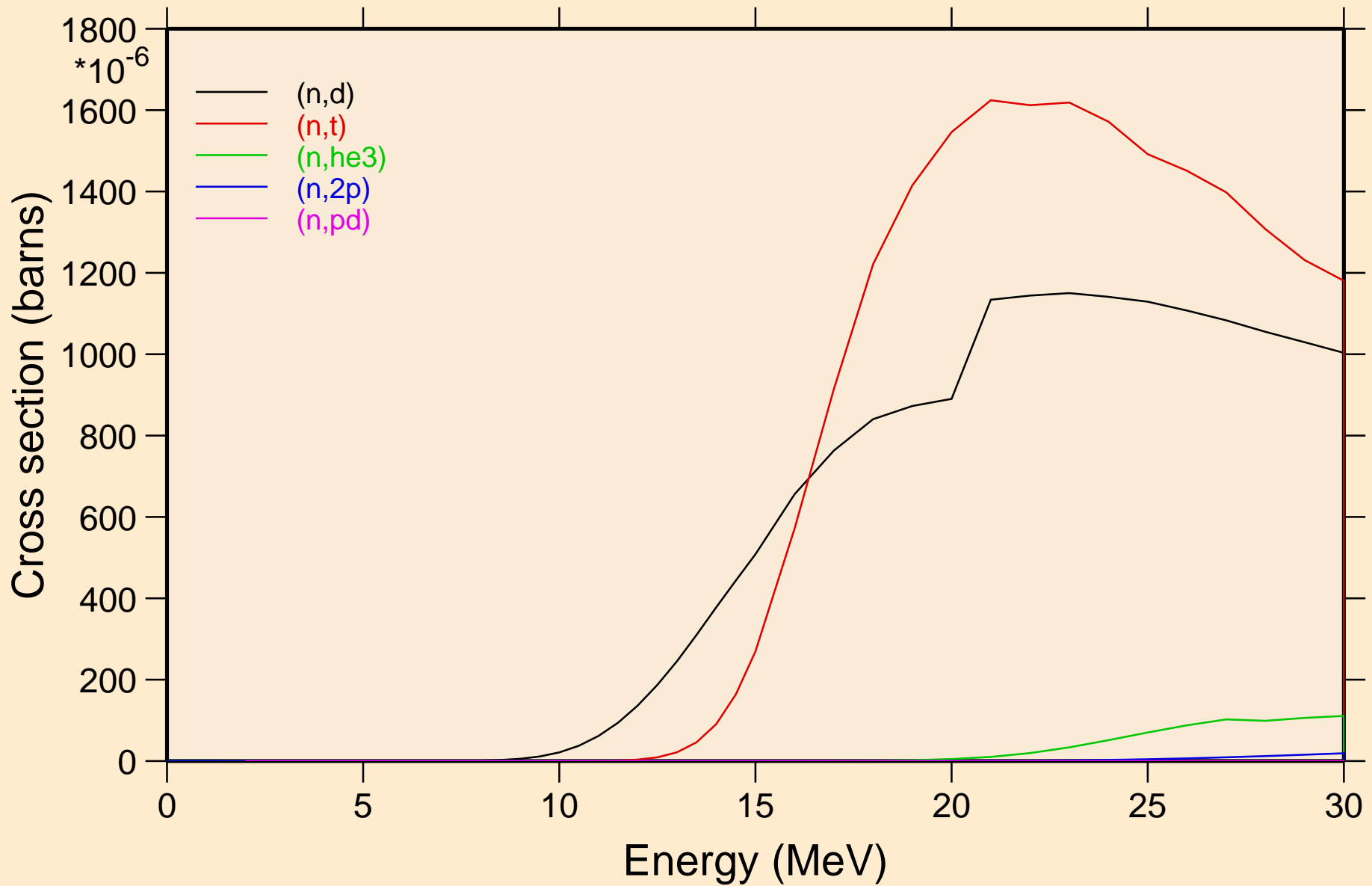
# N-ES239 NRG TENDL-2017, AKONING

## Threshold reactions

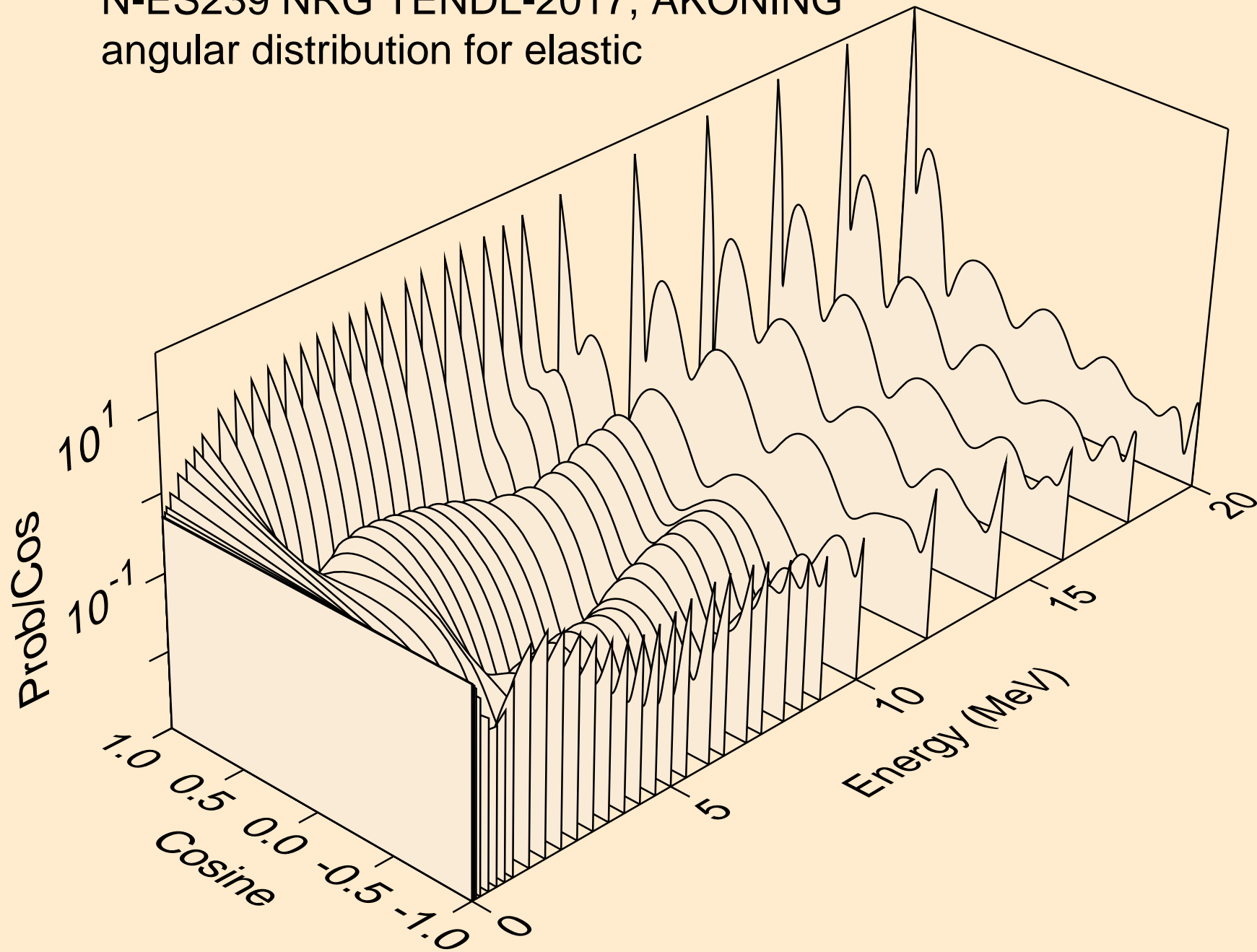


# N-ES239 NRG TENDL-2017, AKONING

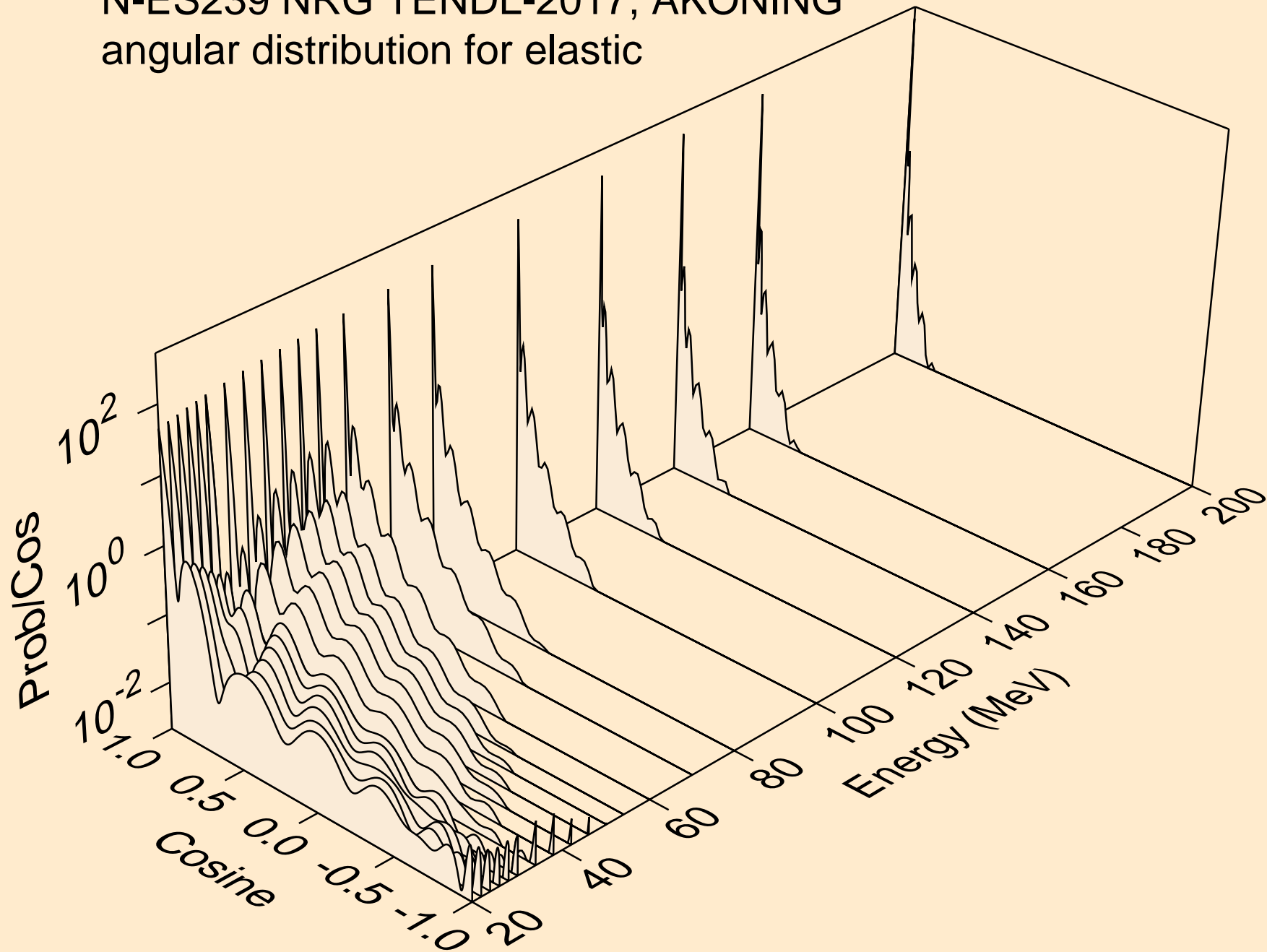
## Threshold reactions



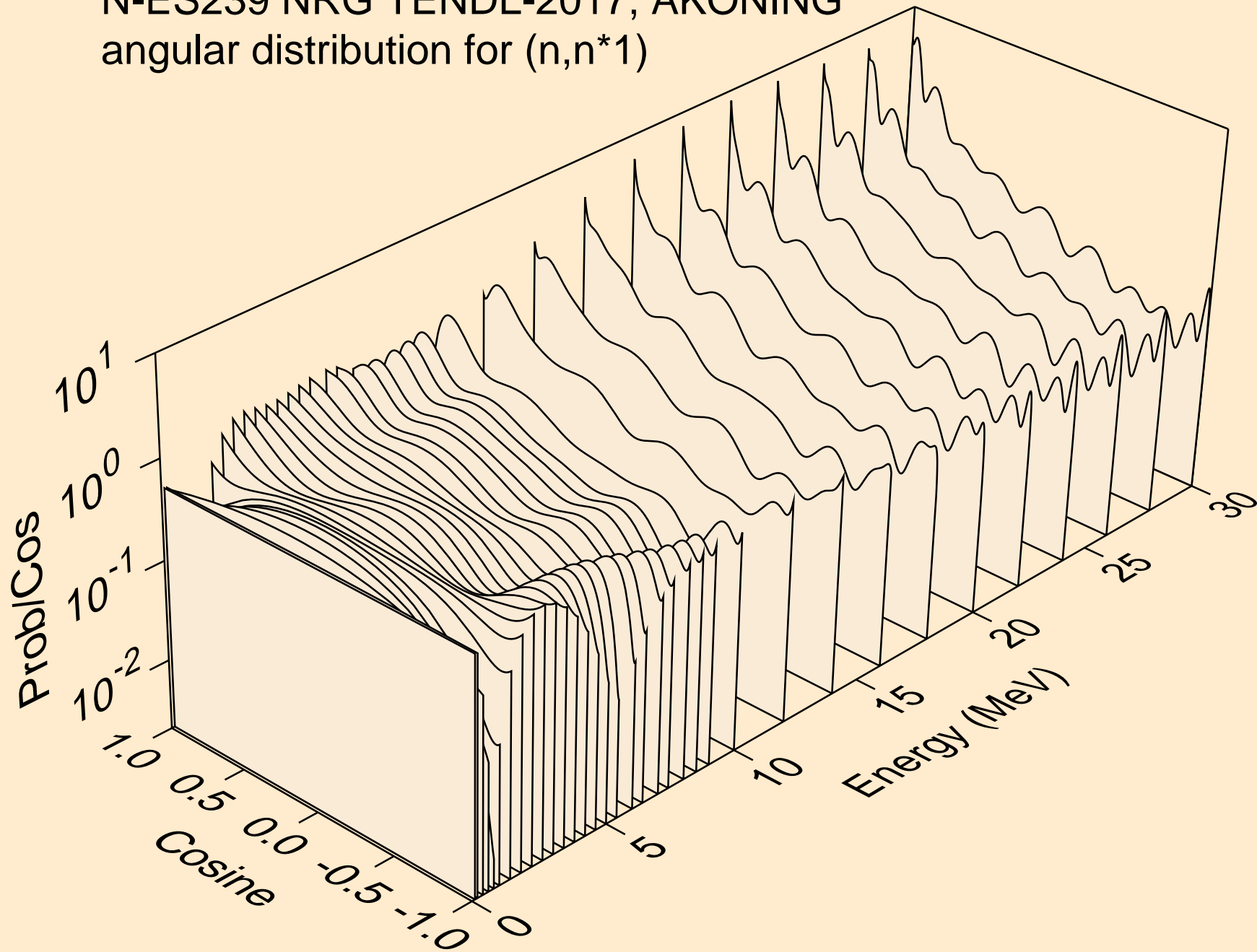
N-ES239 NRG TENDL-2017, AKONING  
angular distribution for elastic



N-ES239 NRG TENDL-2017, AKONING  
angular distribution for elastic

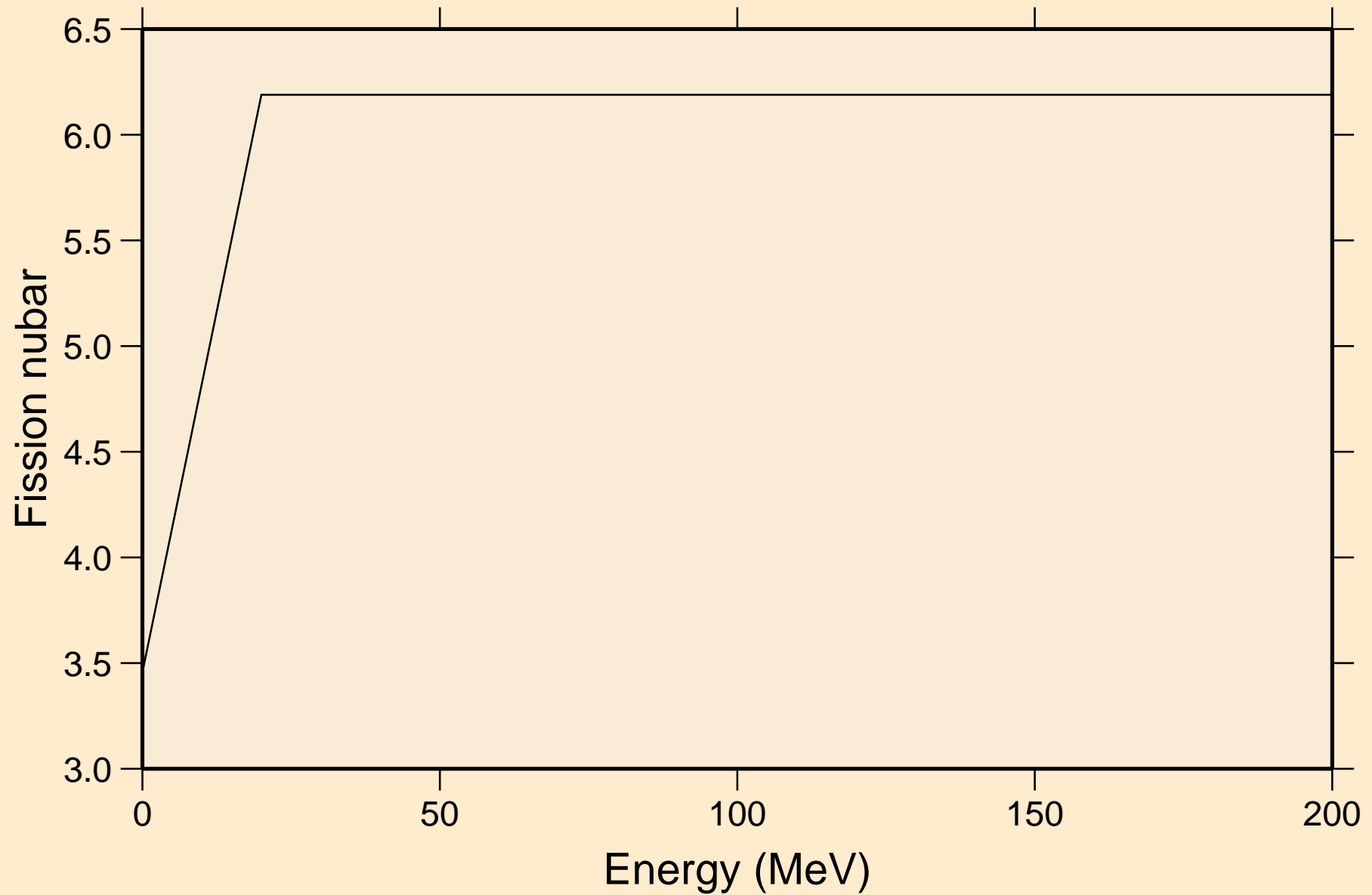


N-ES239 NRG TENDL-2017, AKONING  
angular distribution for (n,n\*1)

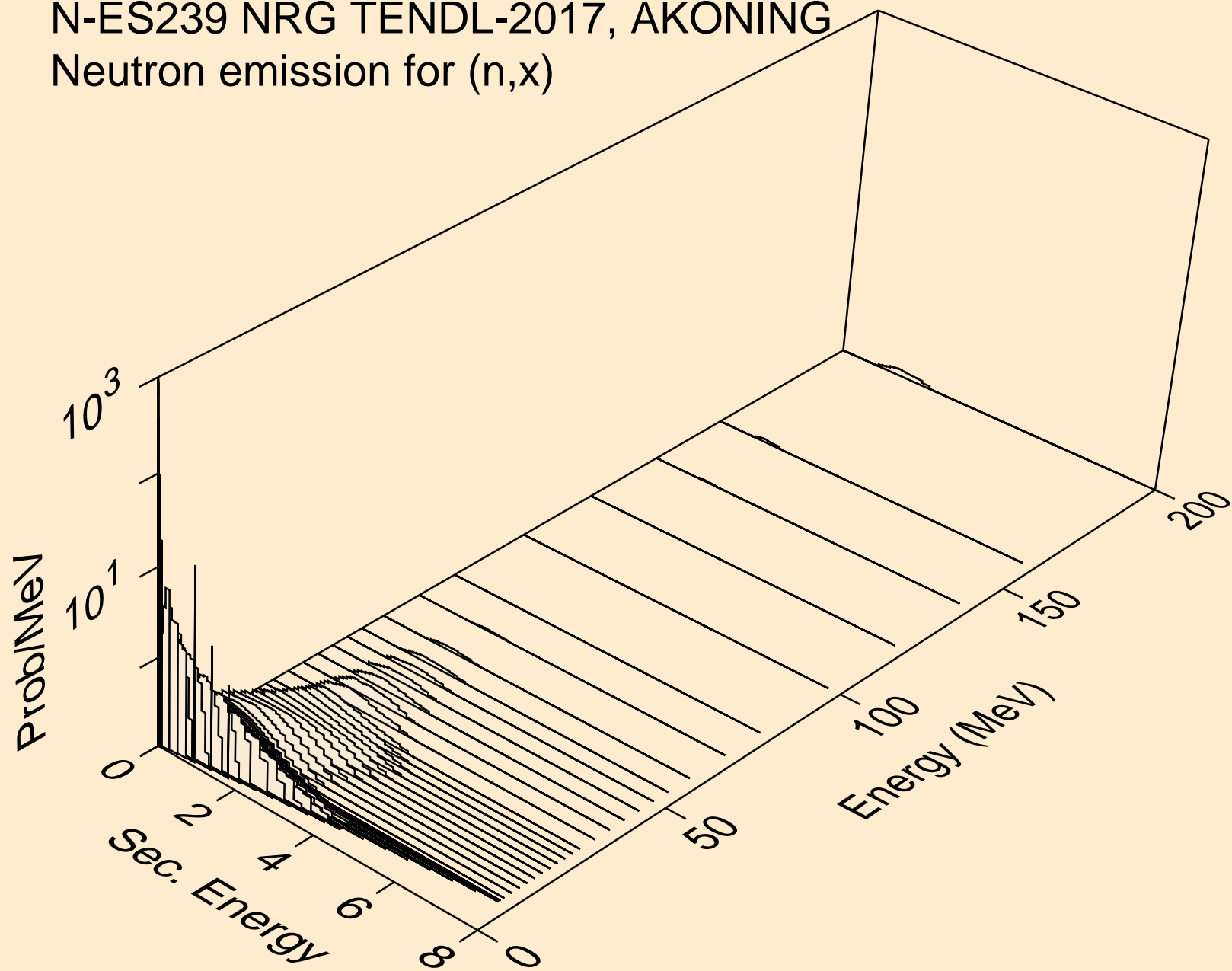


# N-ES239 NRG TENDL-2017, AKONING

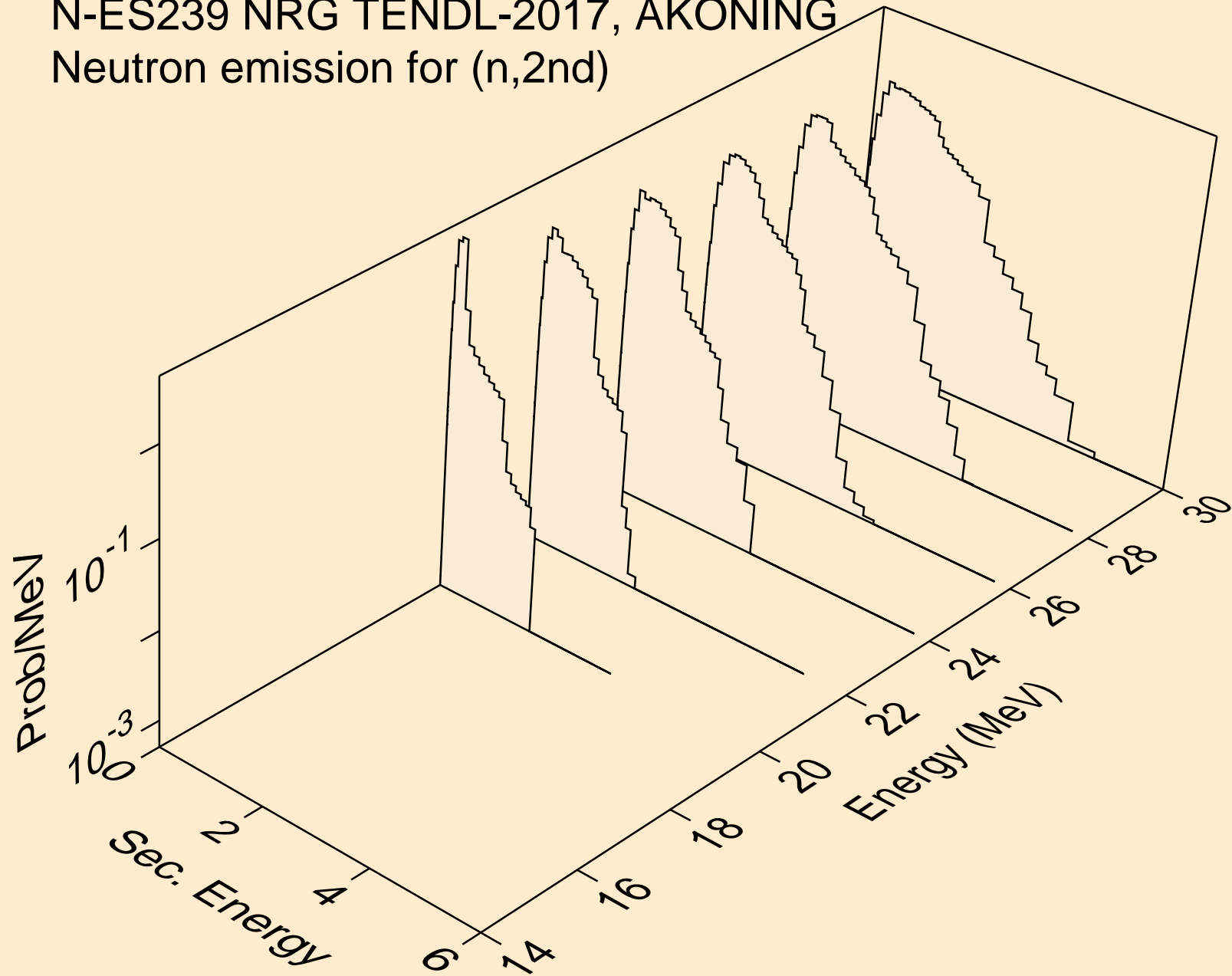
Total fission nubar



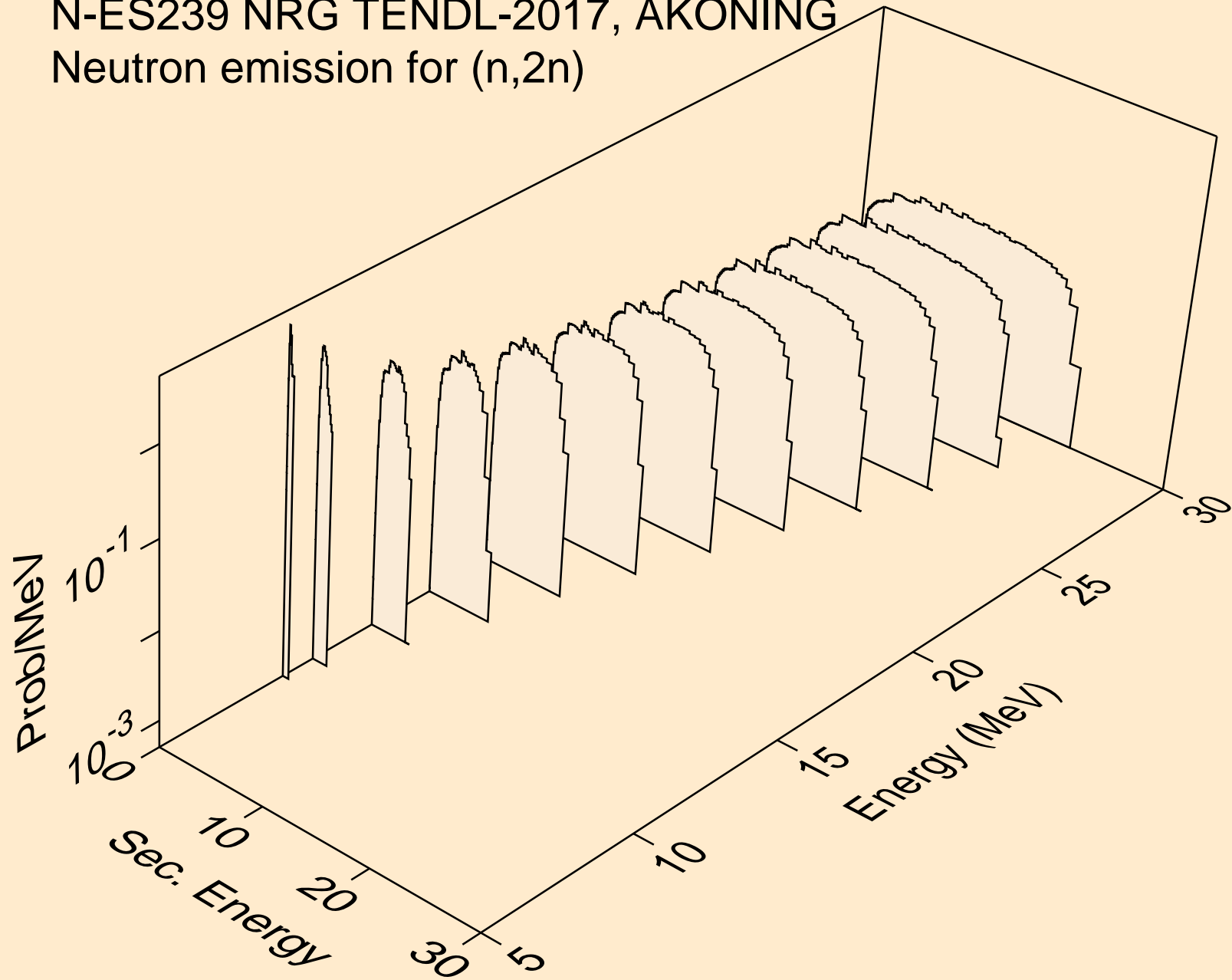
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,x)



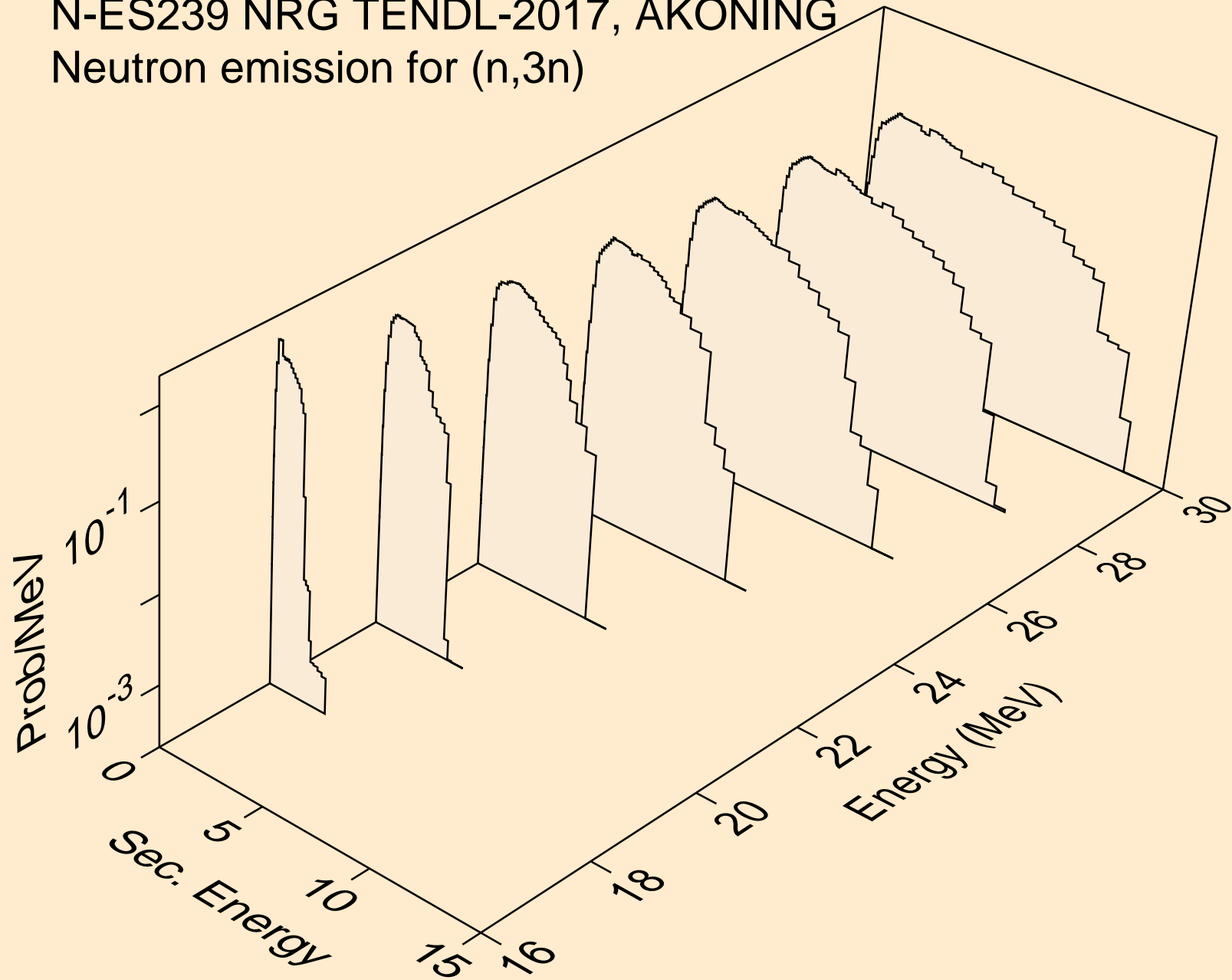
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,2nd)



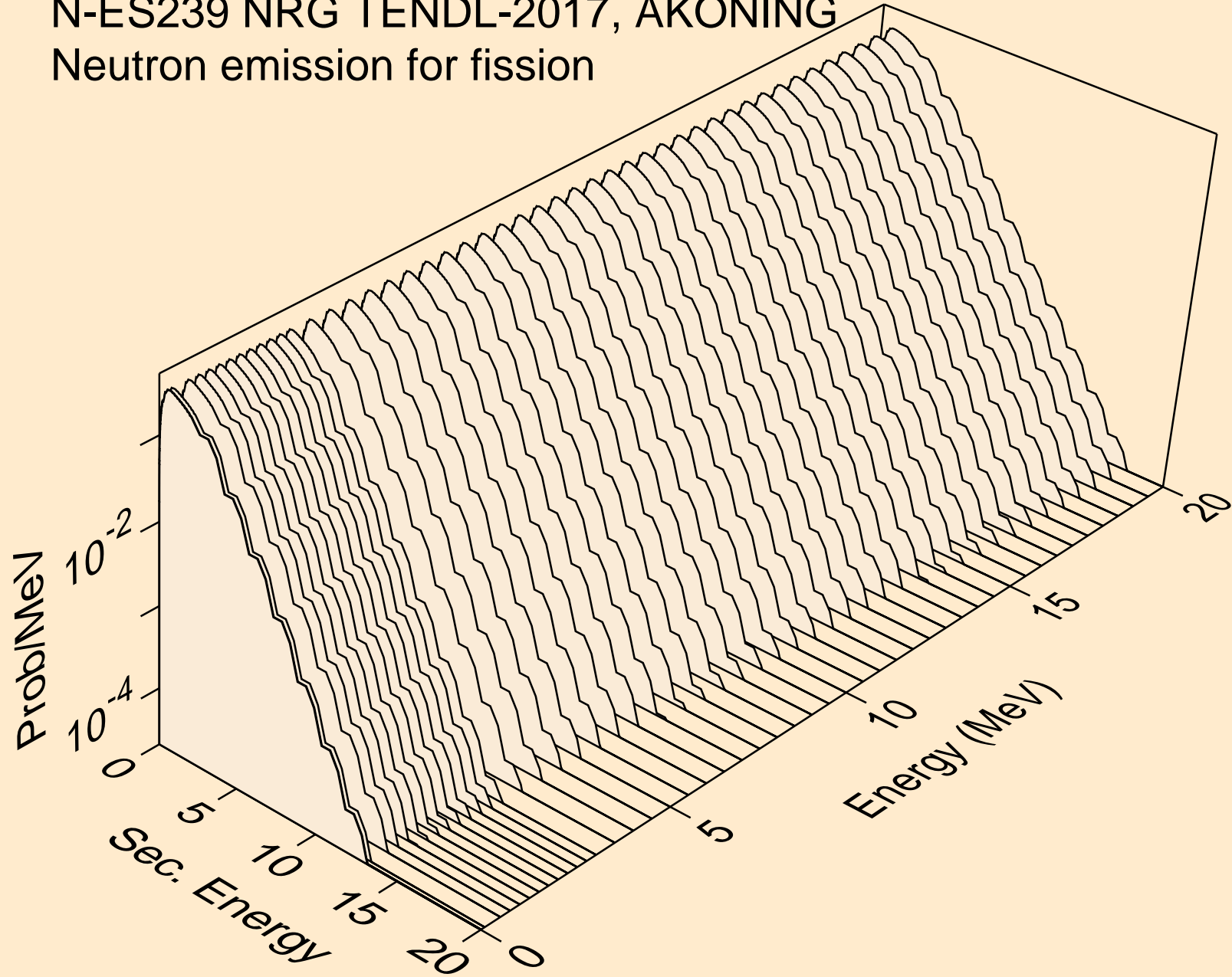
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,2n)



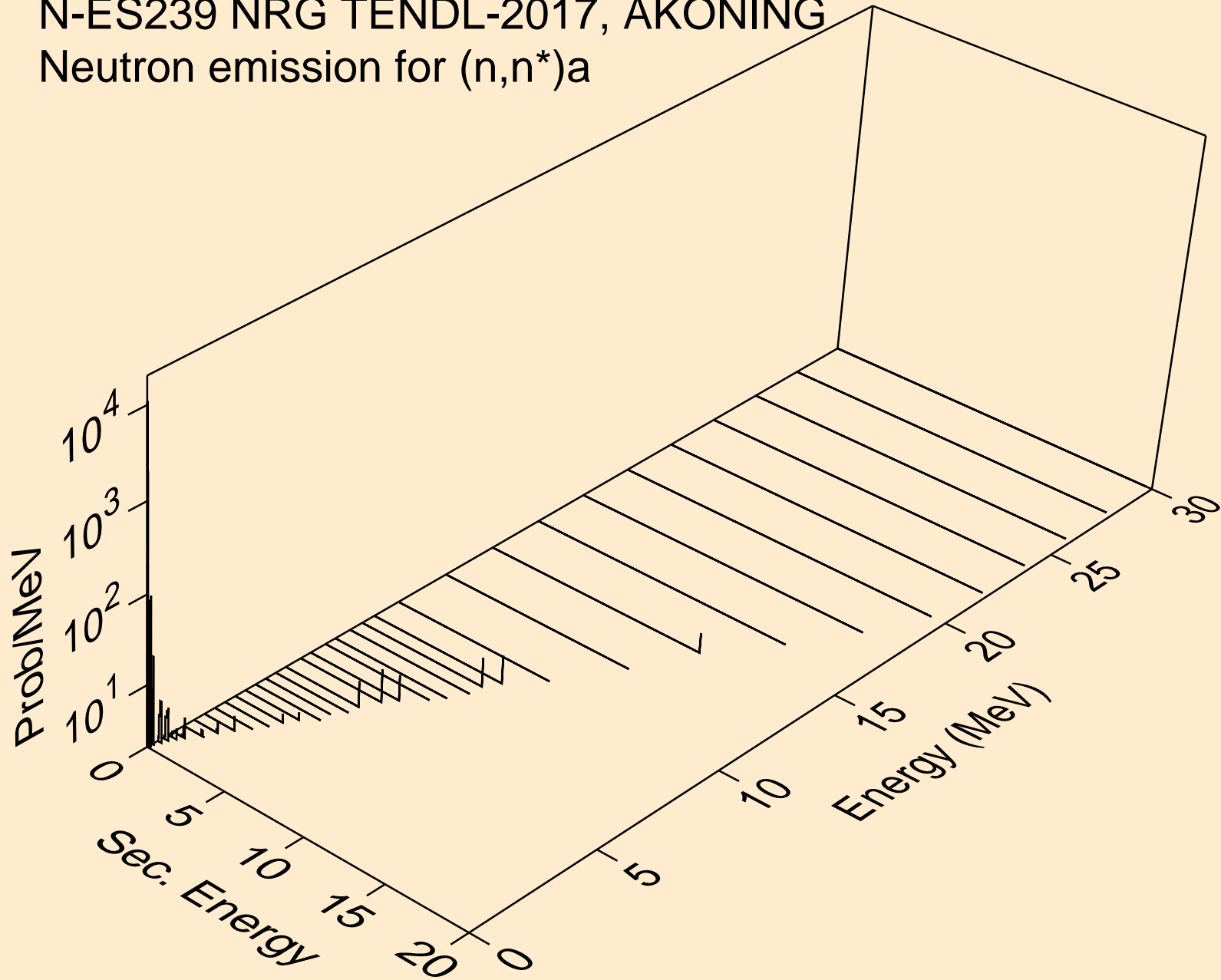
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,3n)



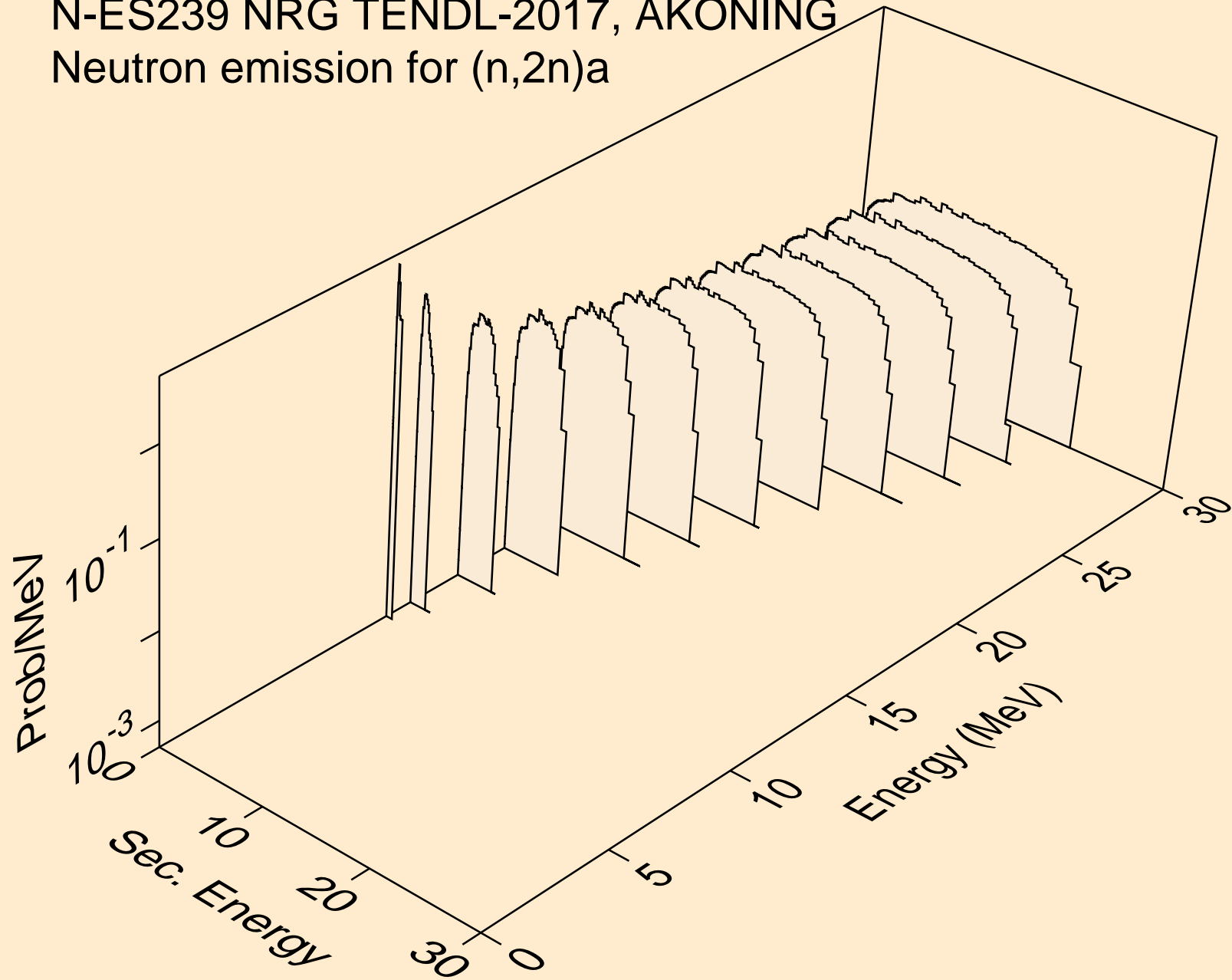
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for fission



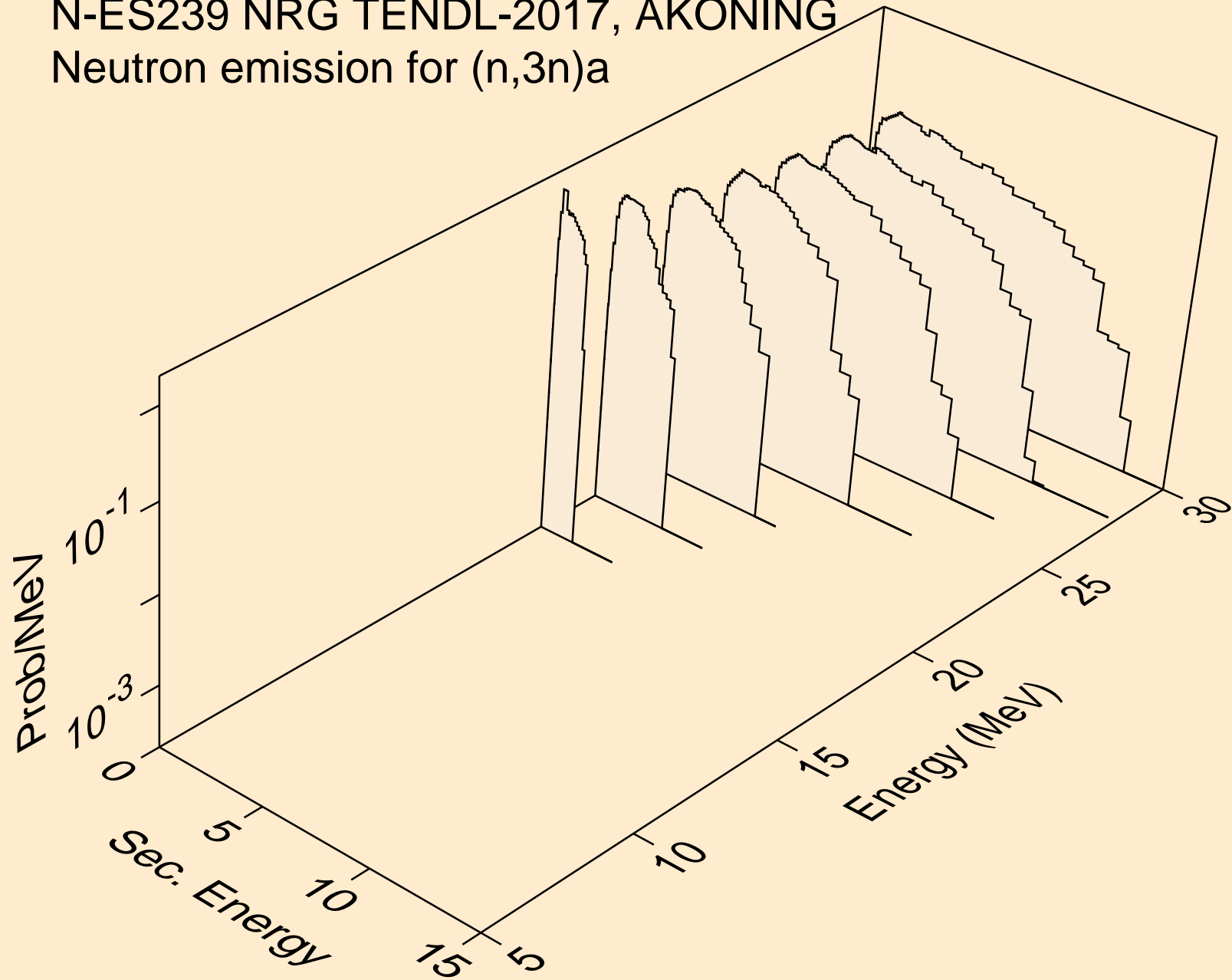
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)a



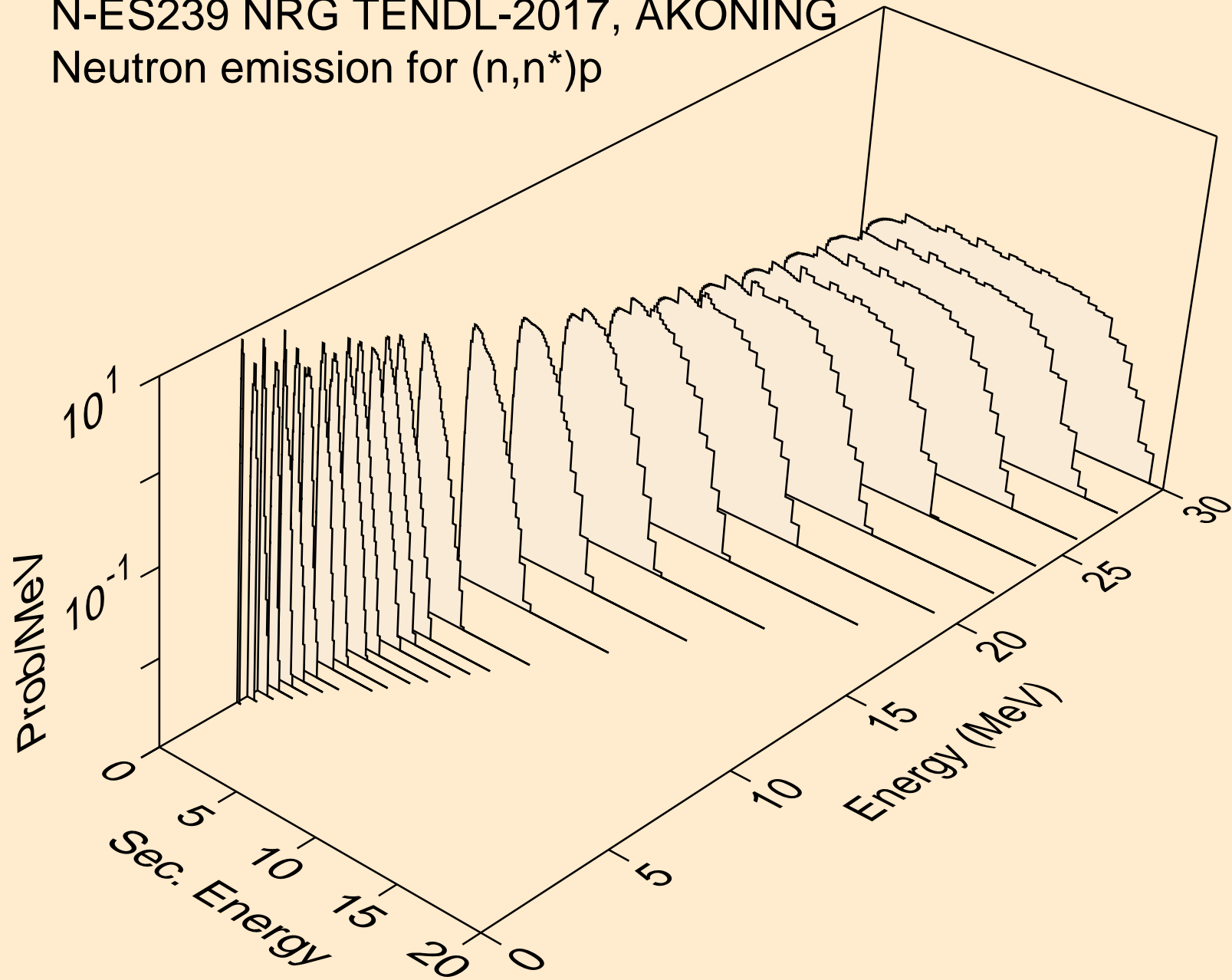
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,2n)a



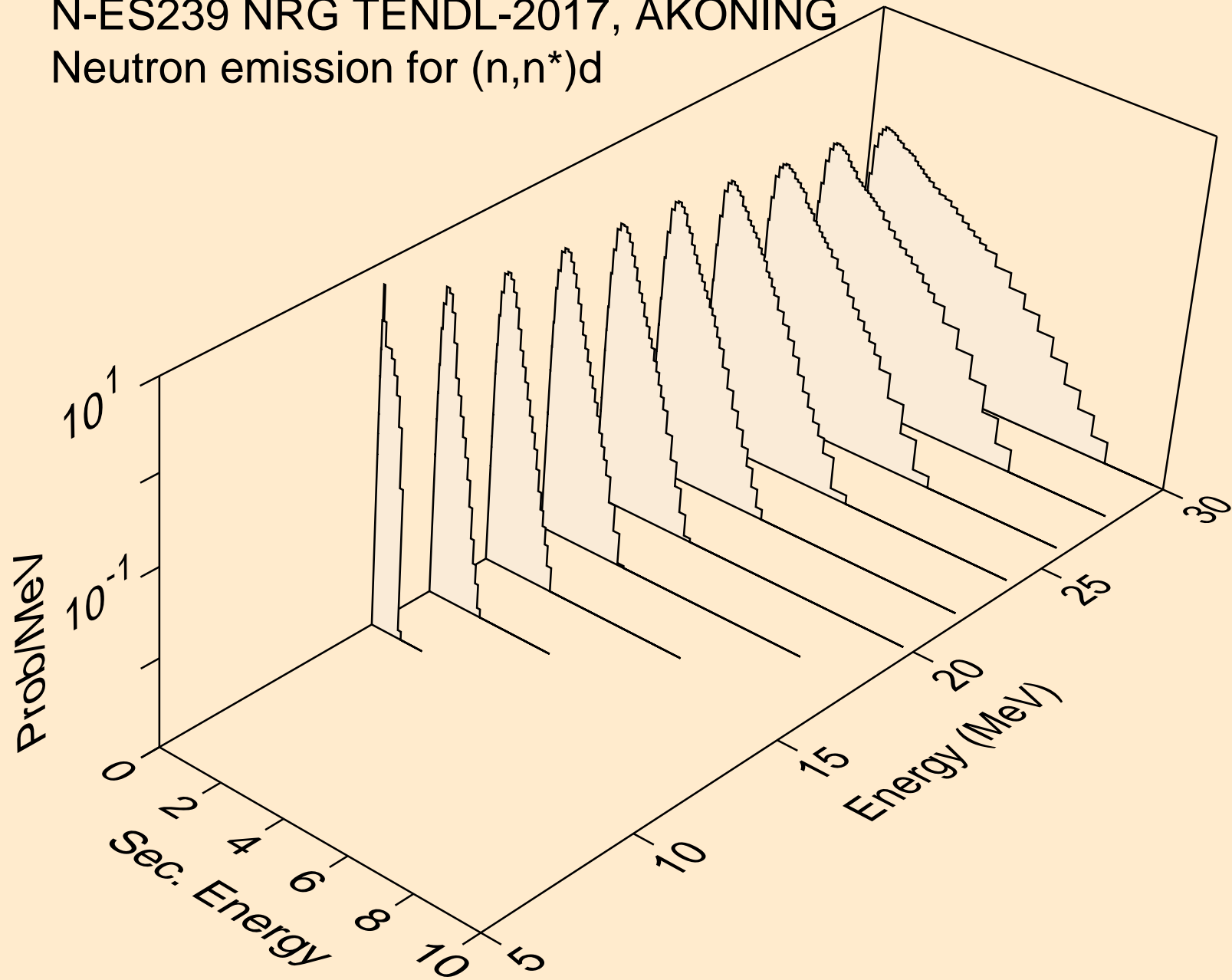
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,3n)<sub>a</sub>



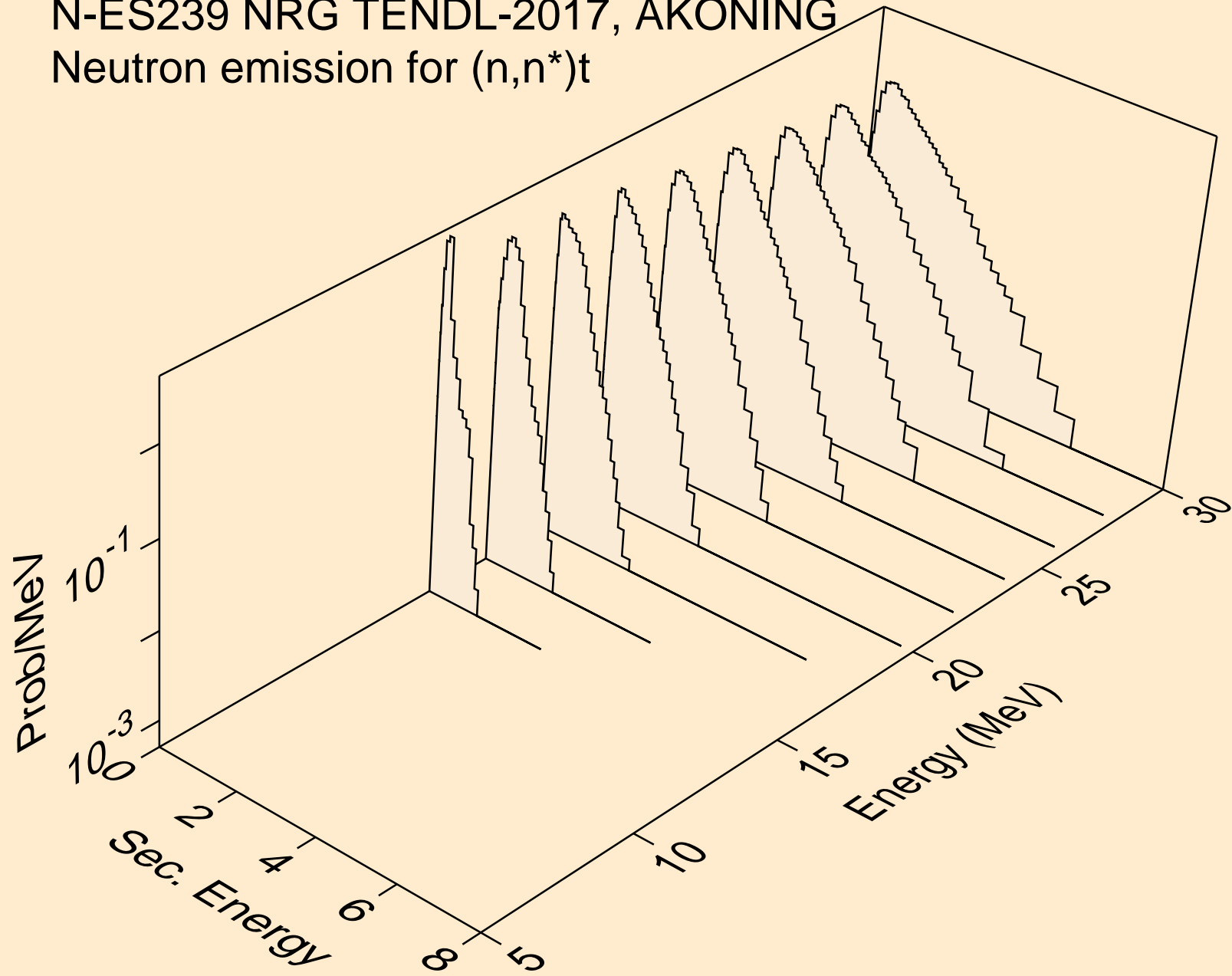
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)p



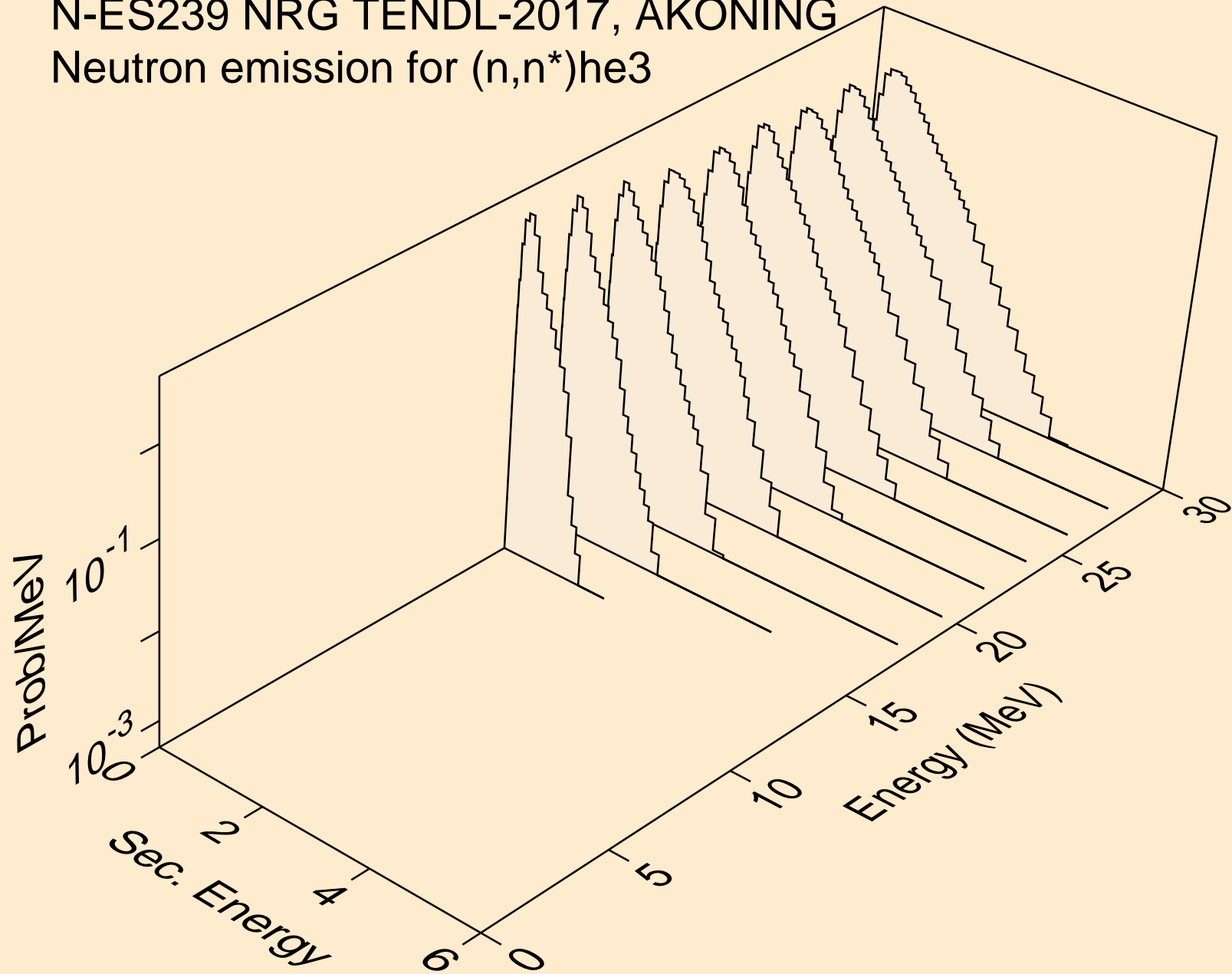
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)d



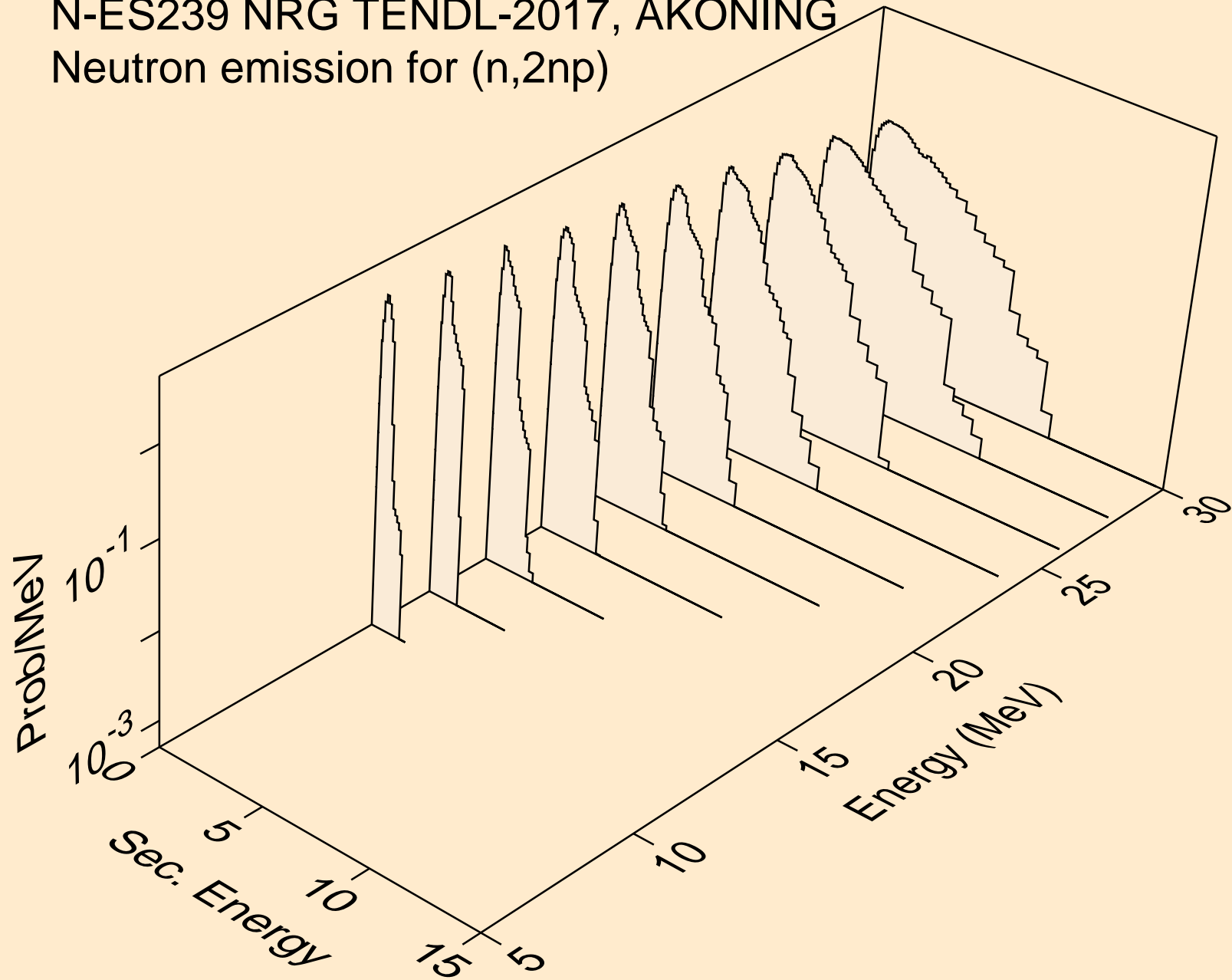
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)t



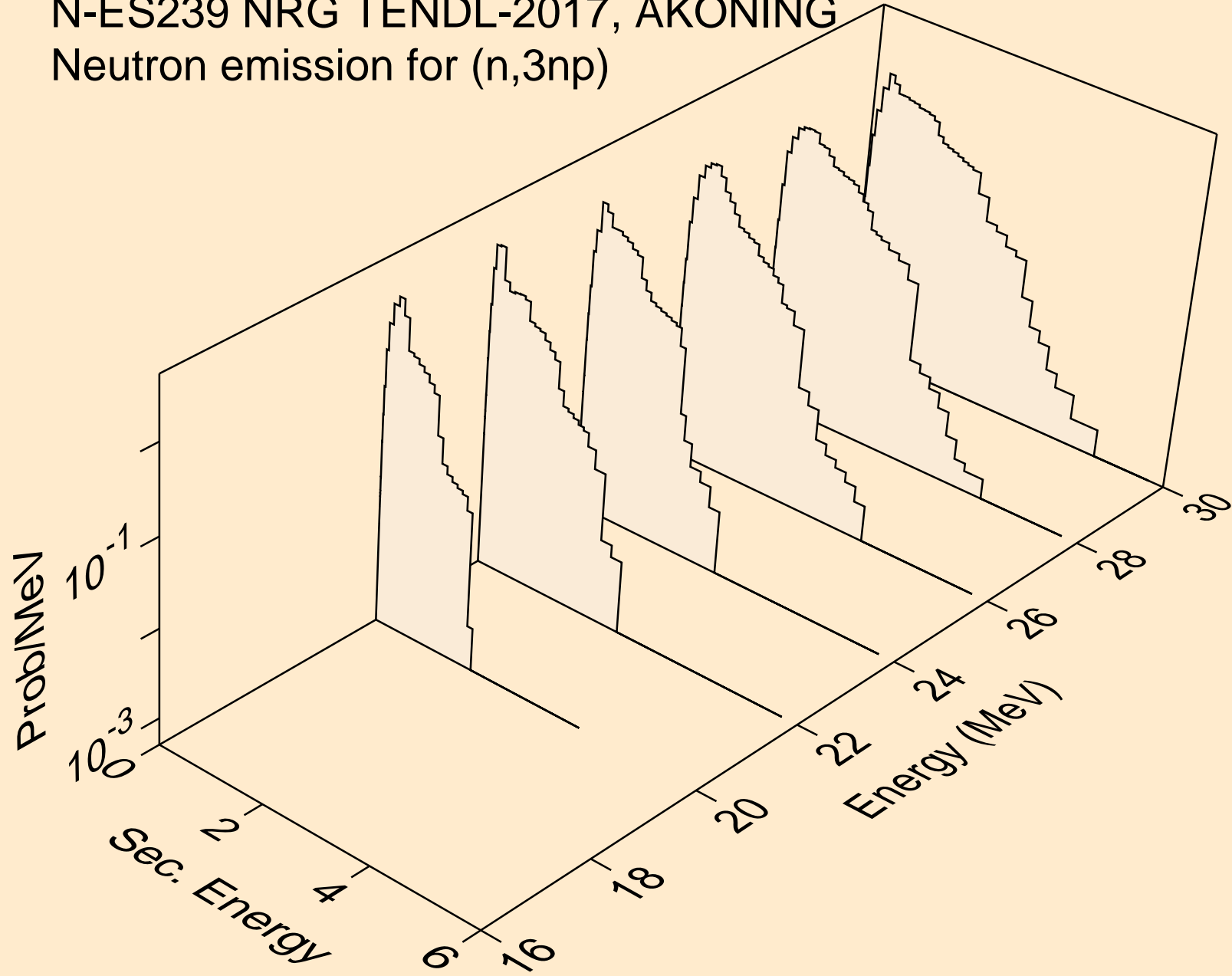
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*)he3



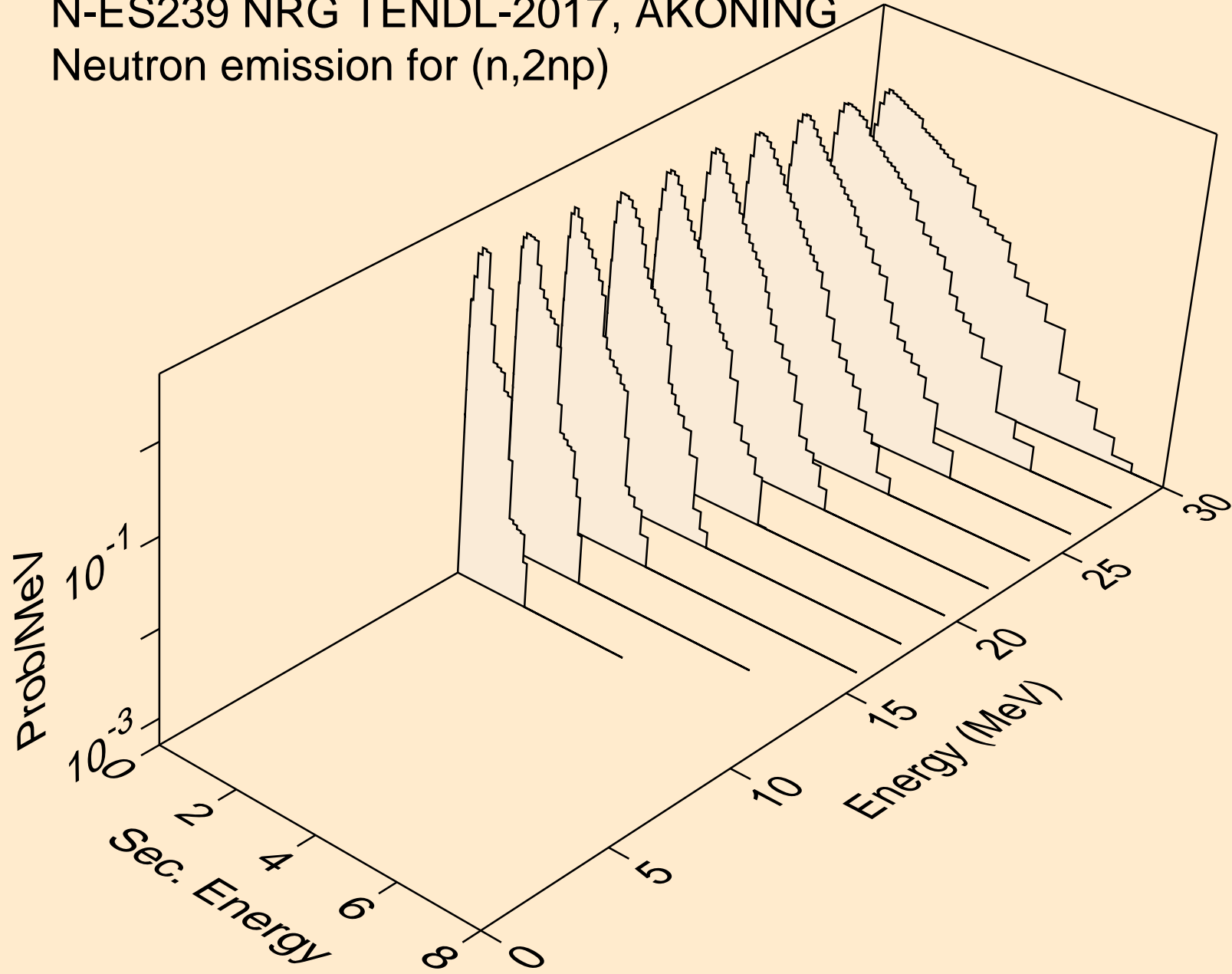
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,2np)



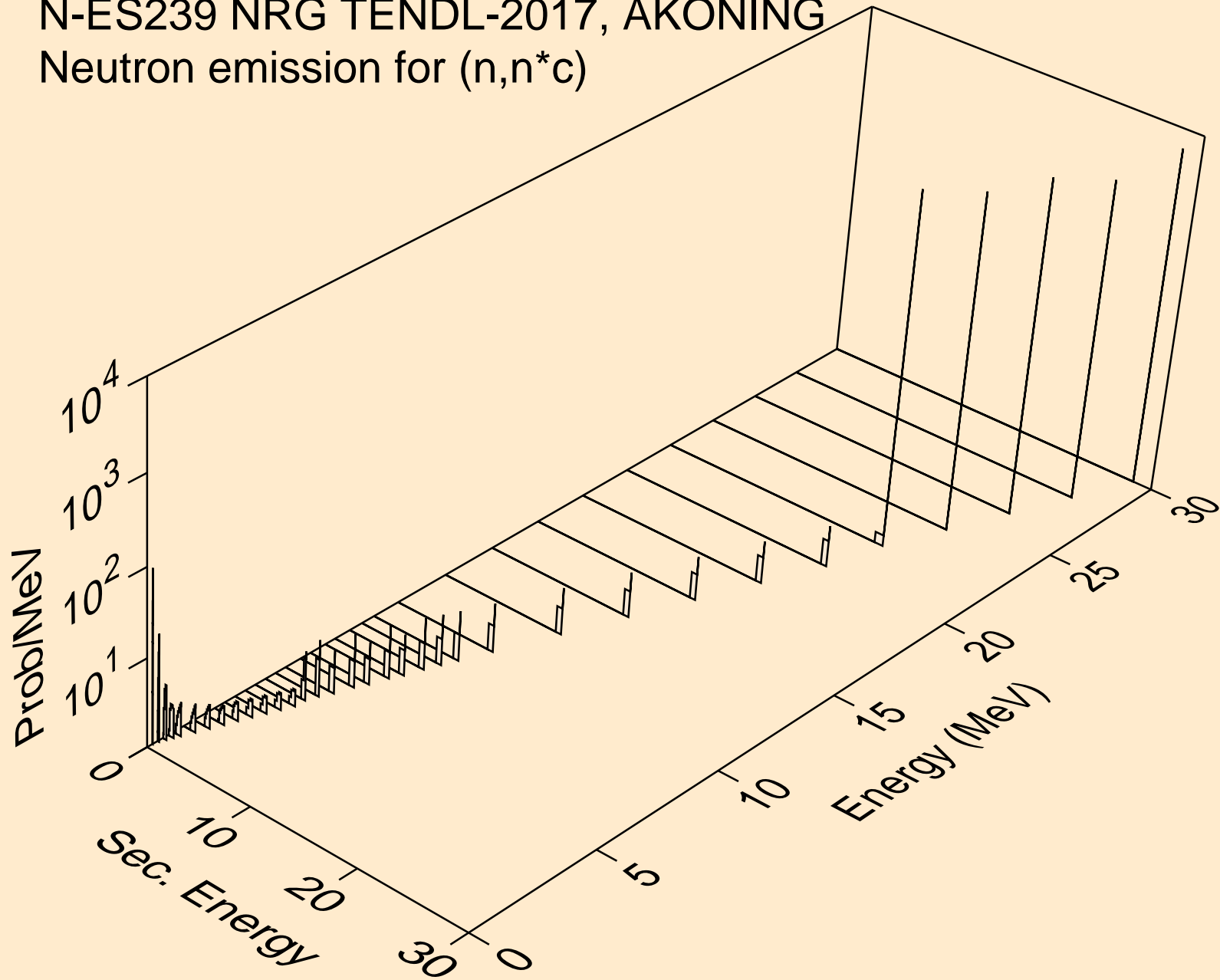
N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,3np)



N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,2np)

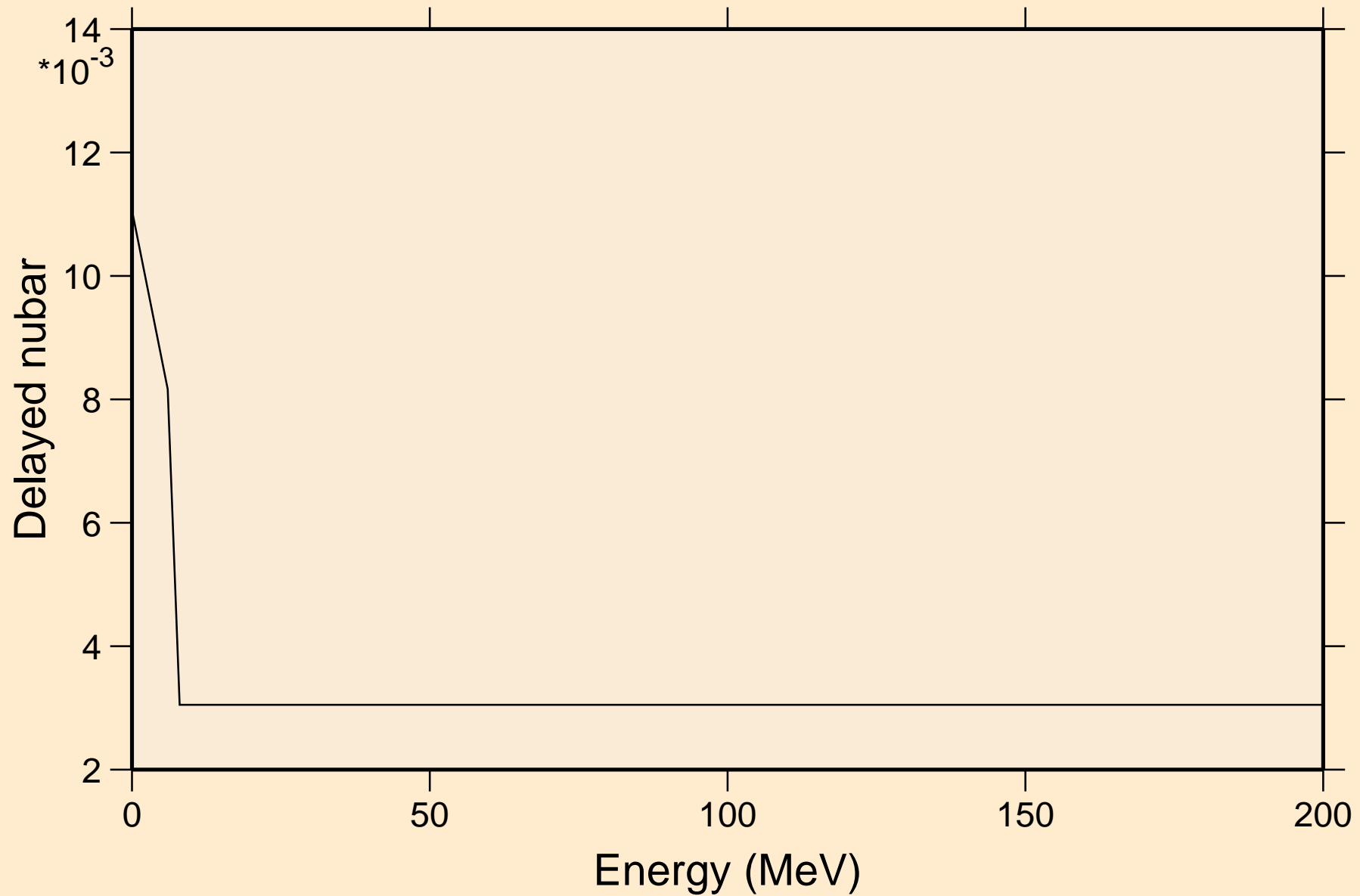


N-ES239 NRG TENDL-2017, AKONING  
Neutron emission for (n,n\*c)



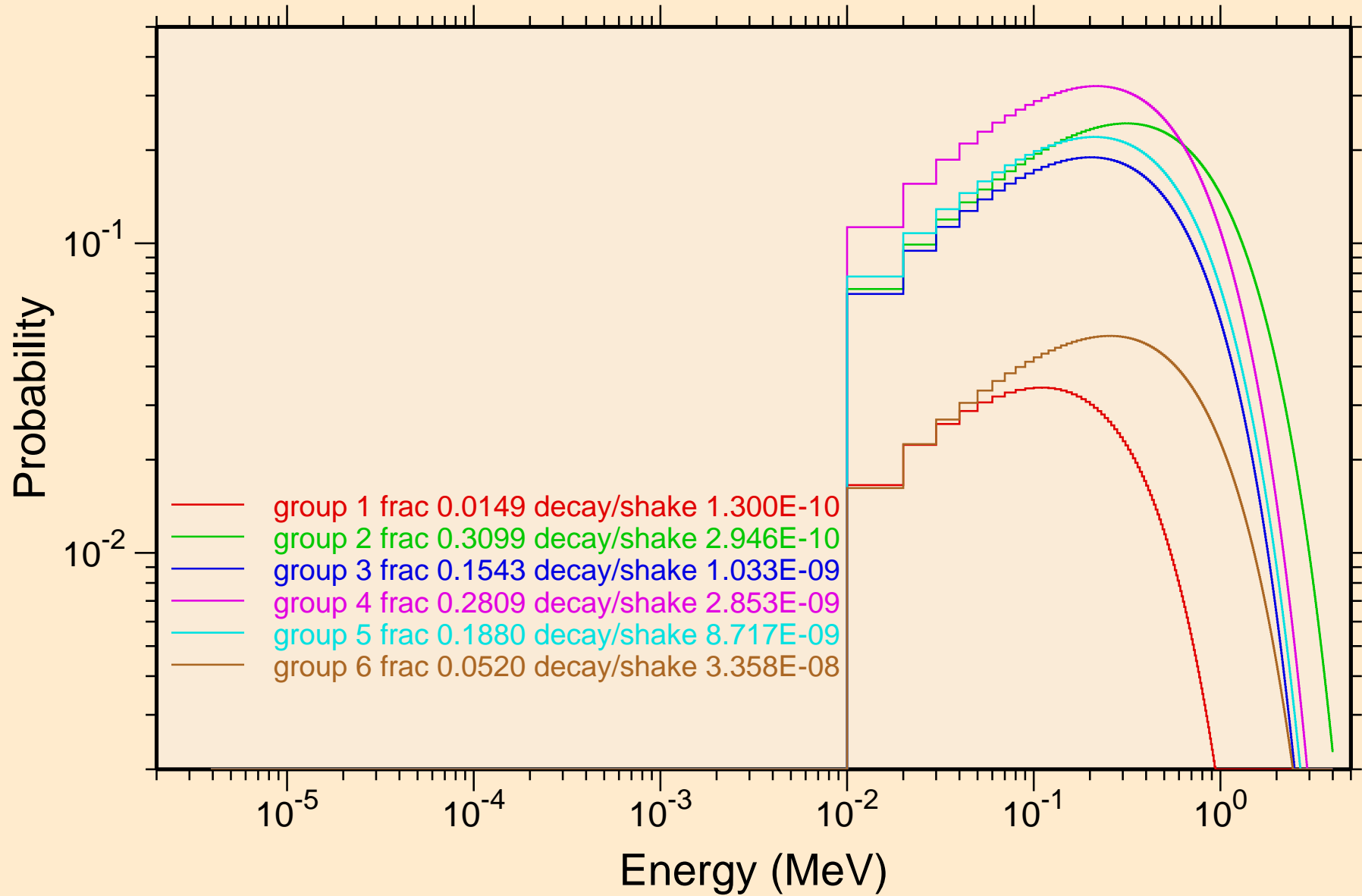
# N-ES239 NRG TENDL-2017, AKONING

## Delayed nubar

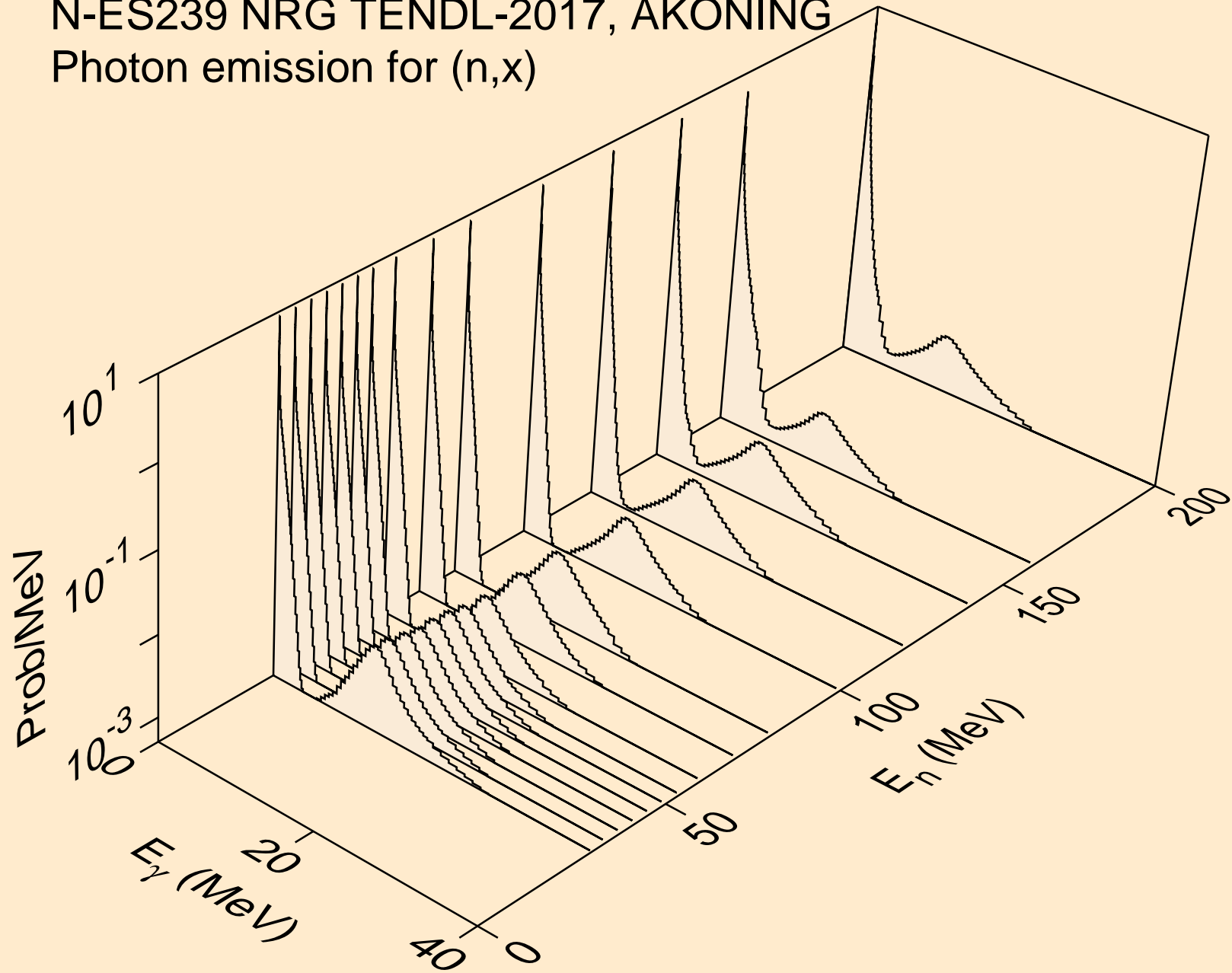


# N-ES239 NRG TENDL-2017, AKONING

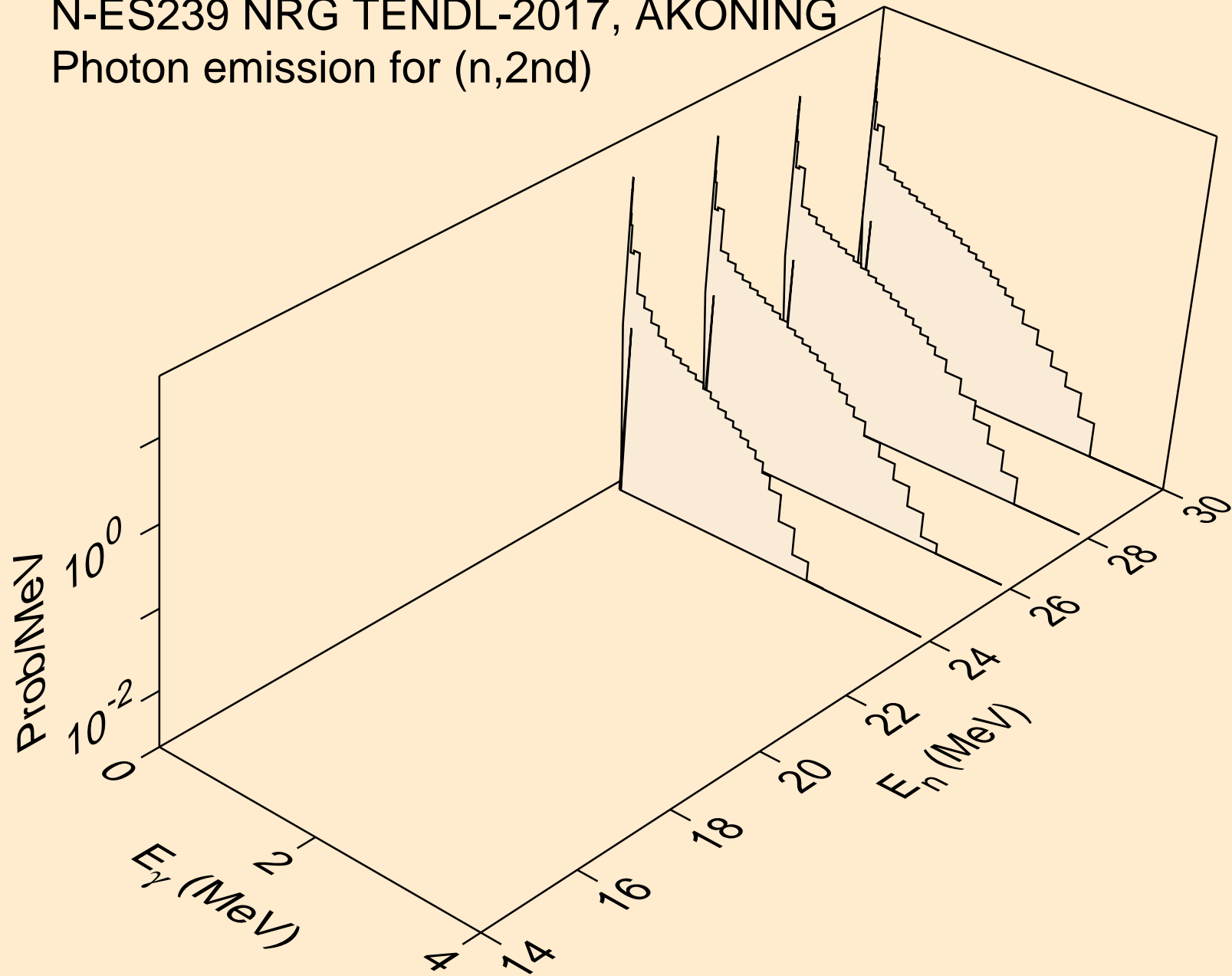
## Delayed neutron spectra



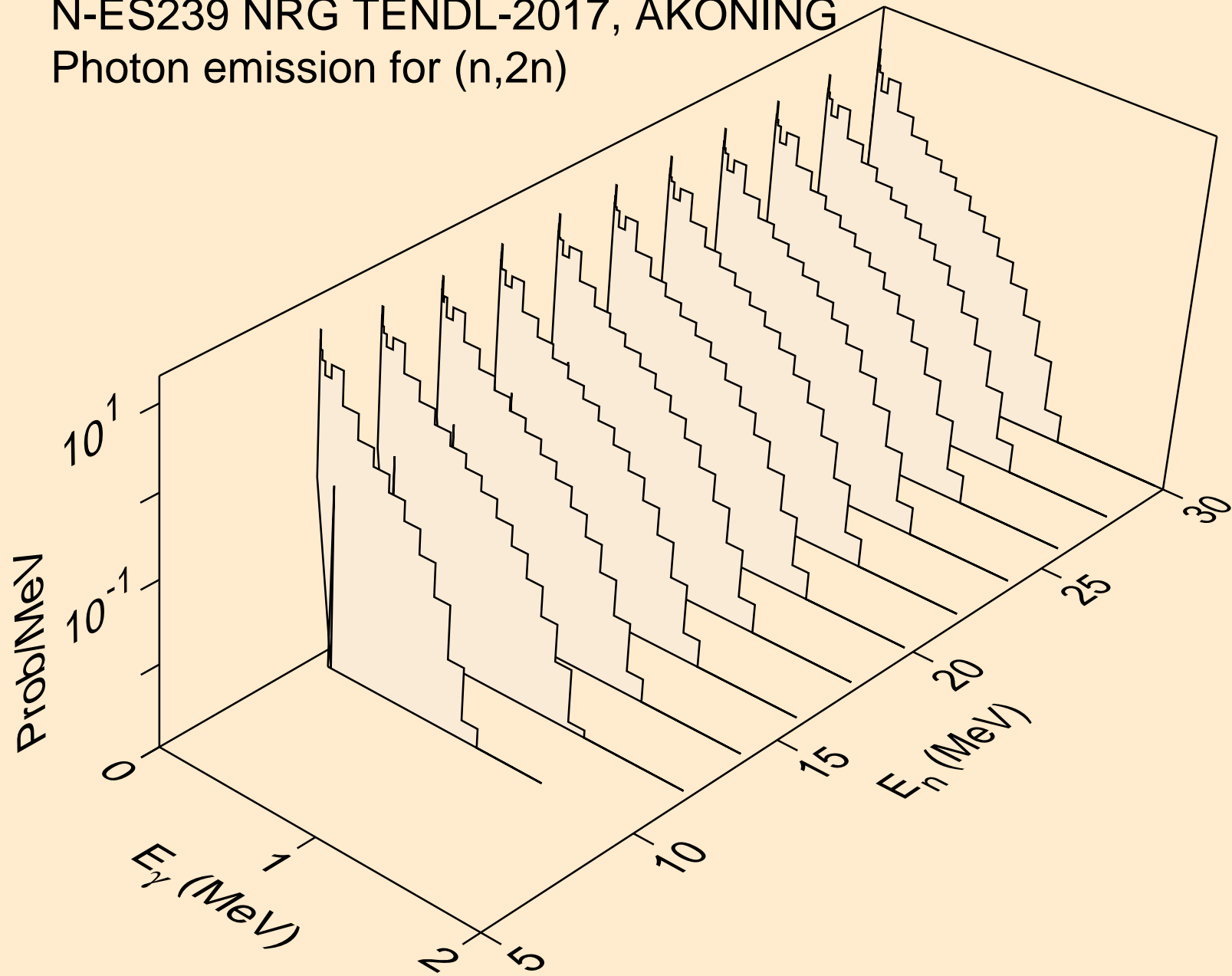
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,x)



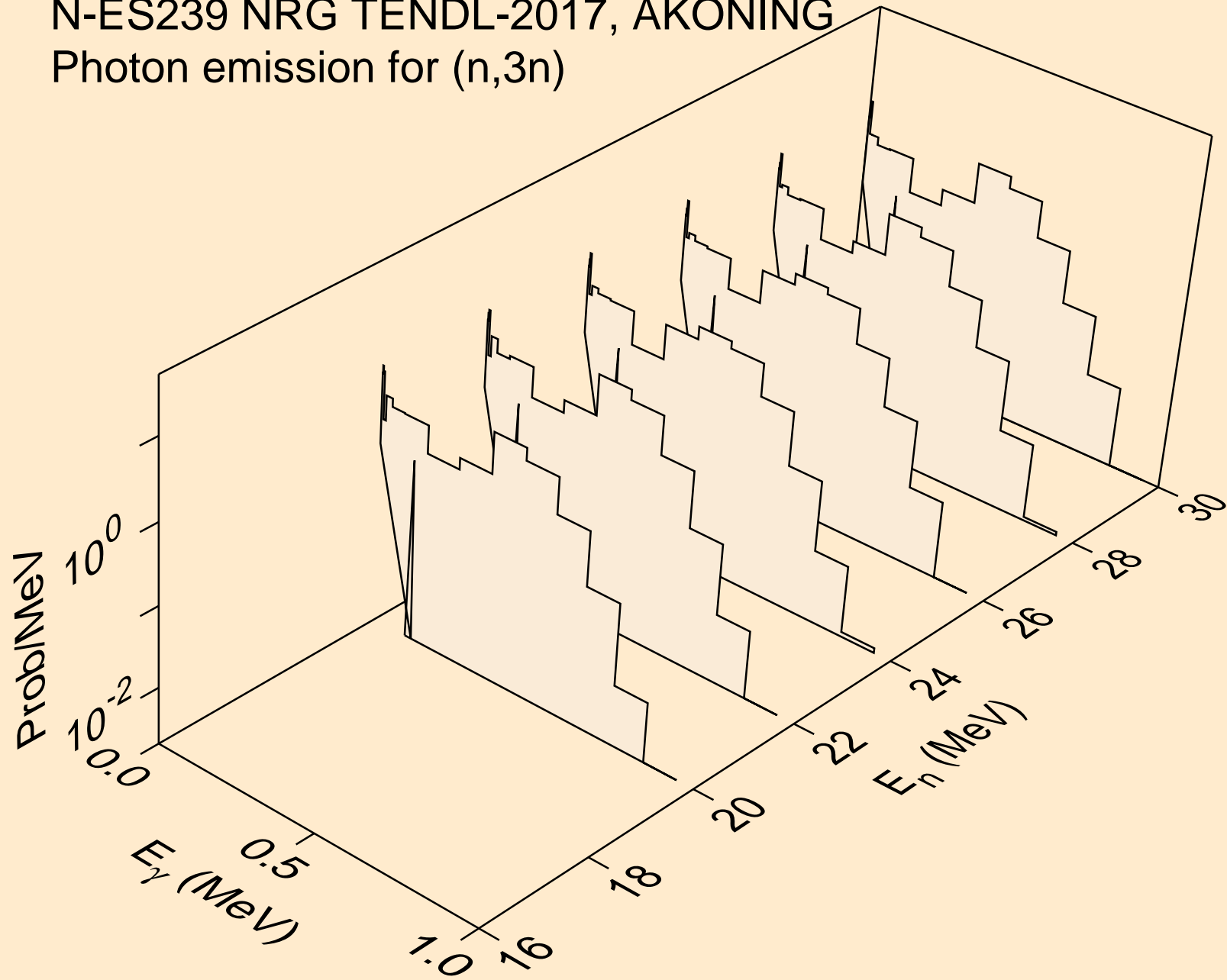
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,2nd)



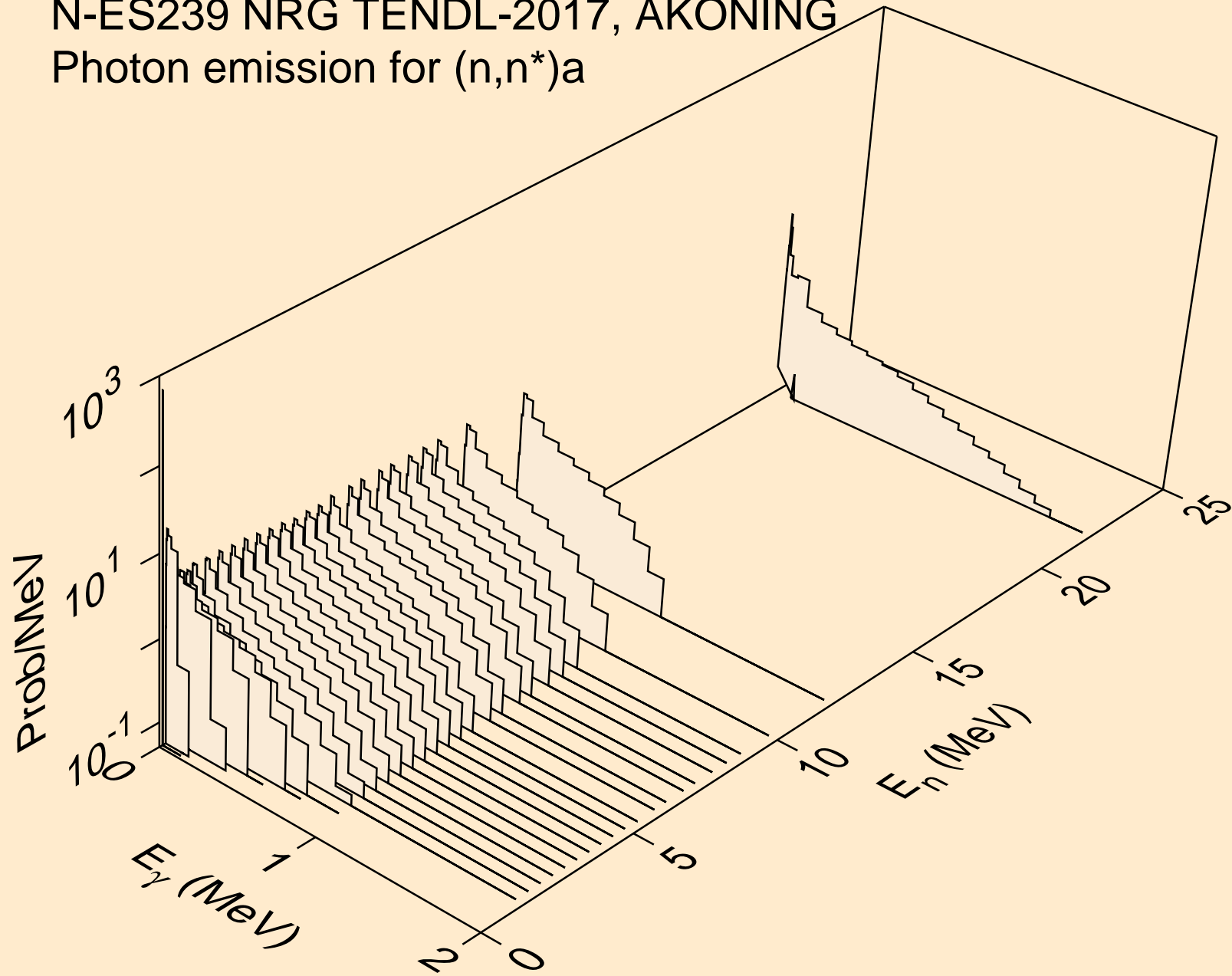
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,2n)



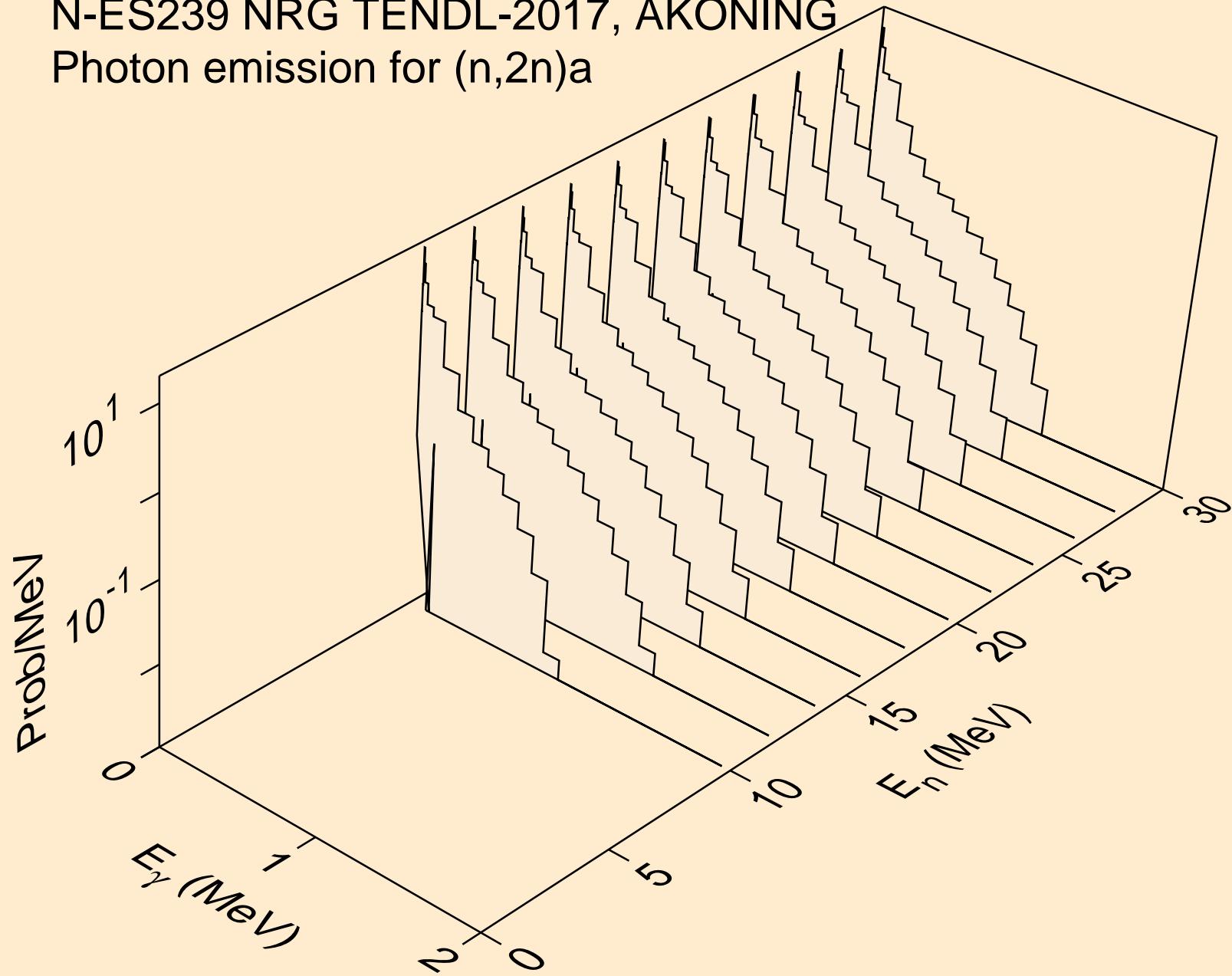
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,3n)



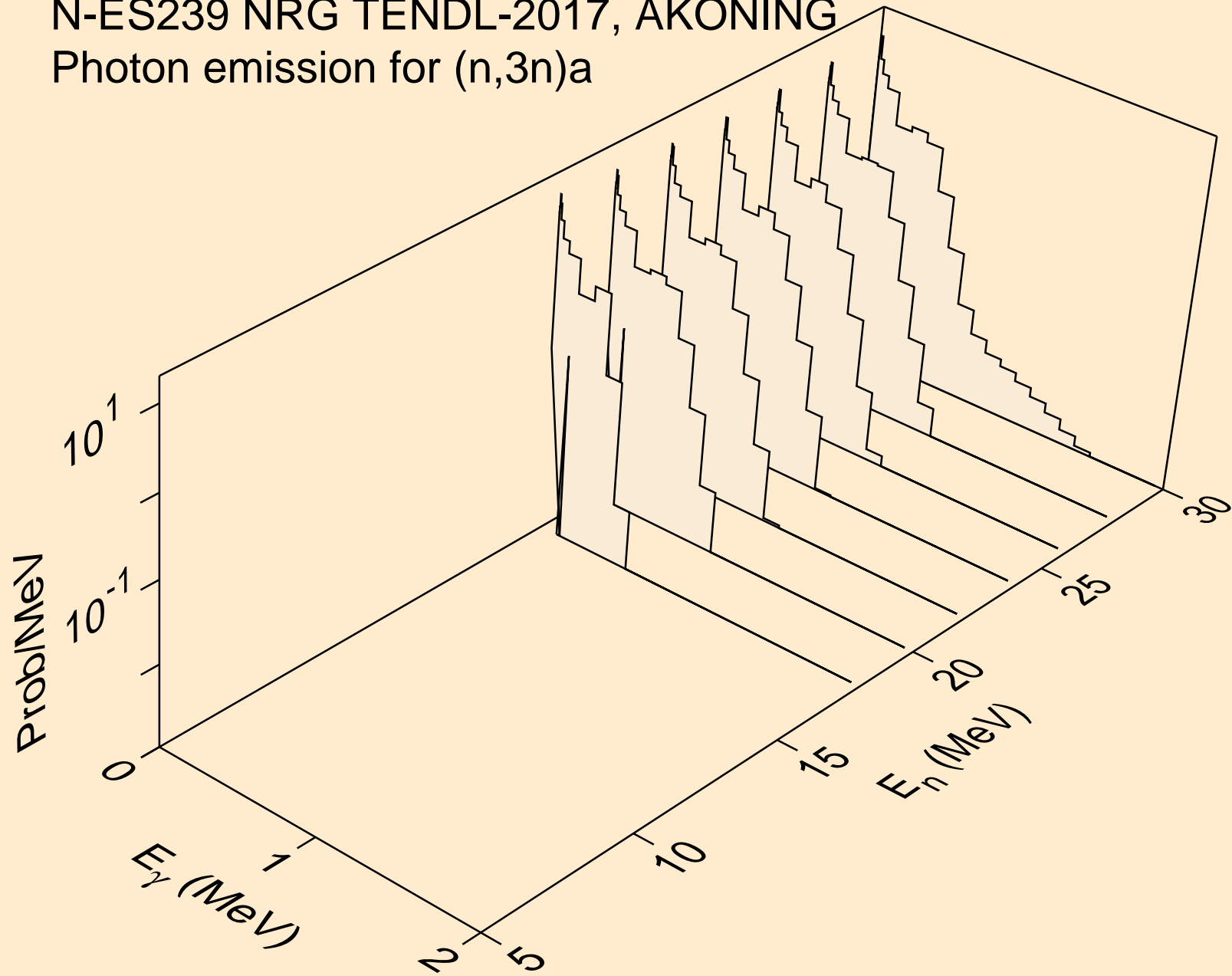
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)a



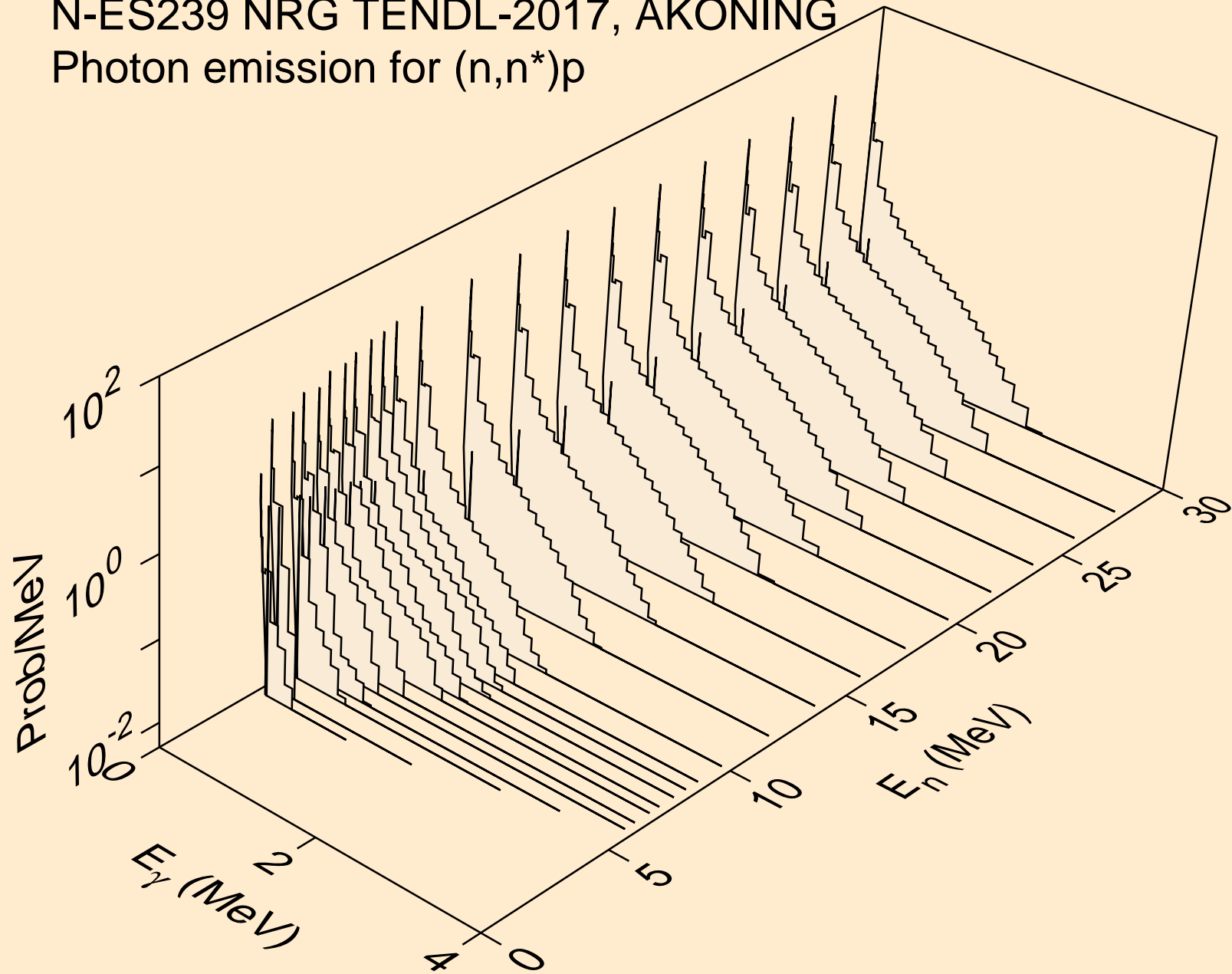
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,2n)a



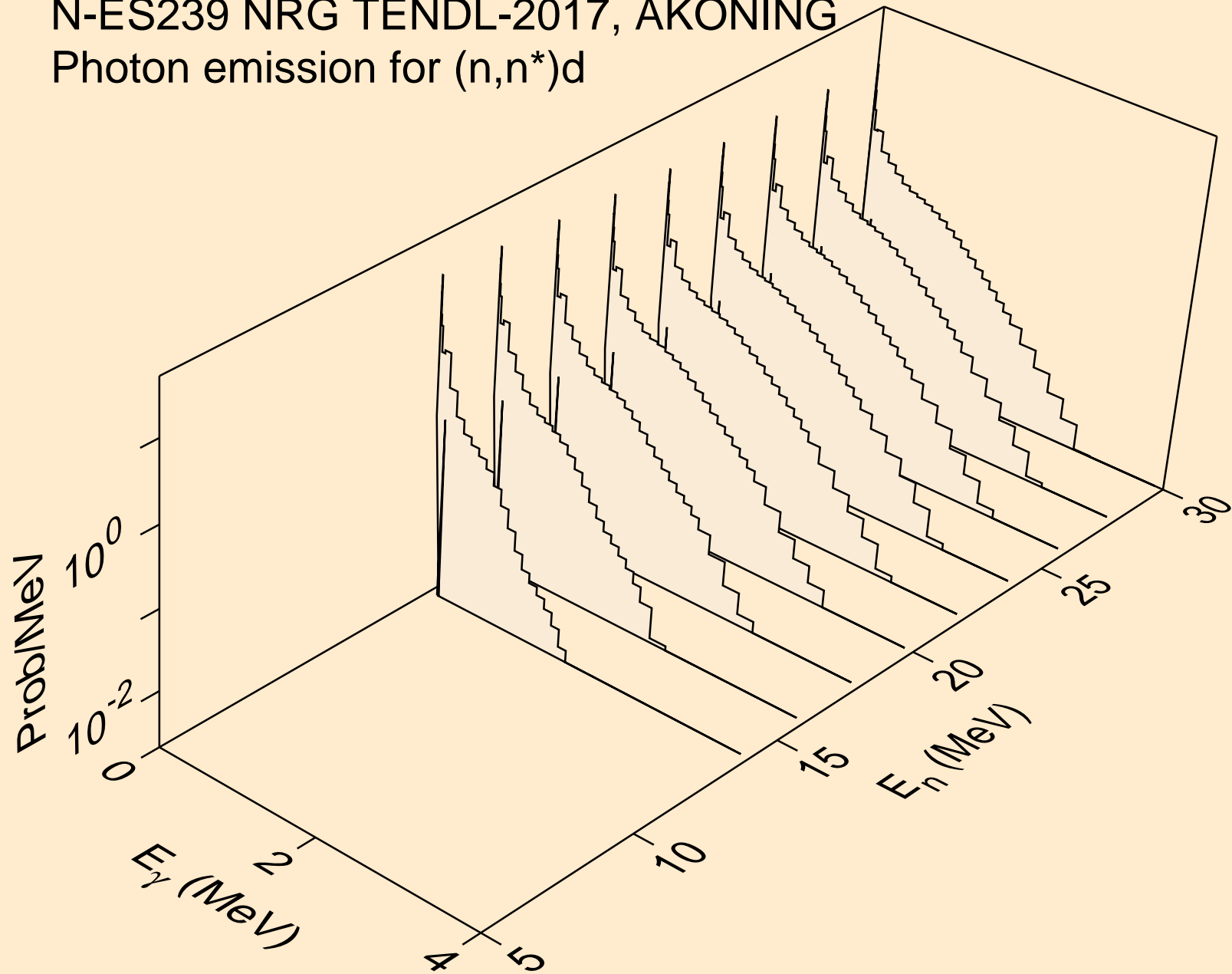
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Photon emission for (n,3n)a



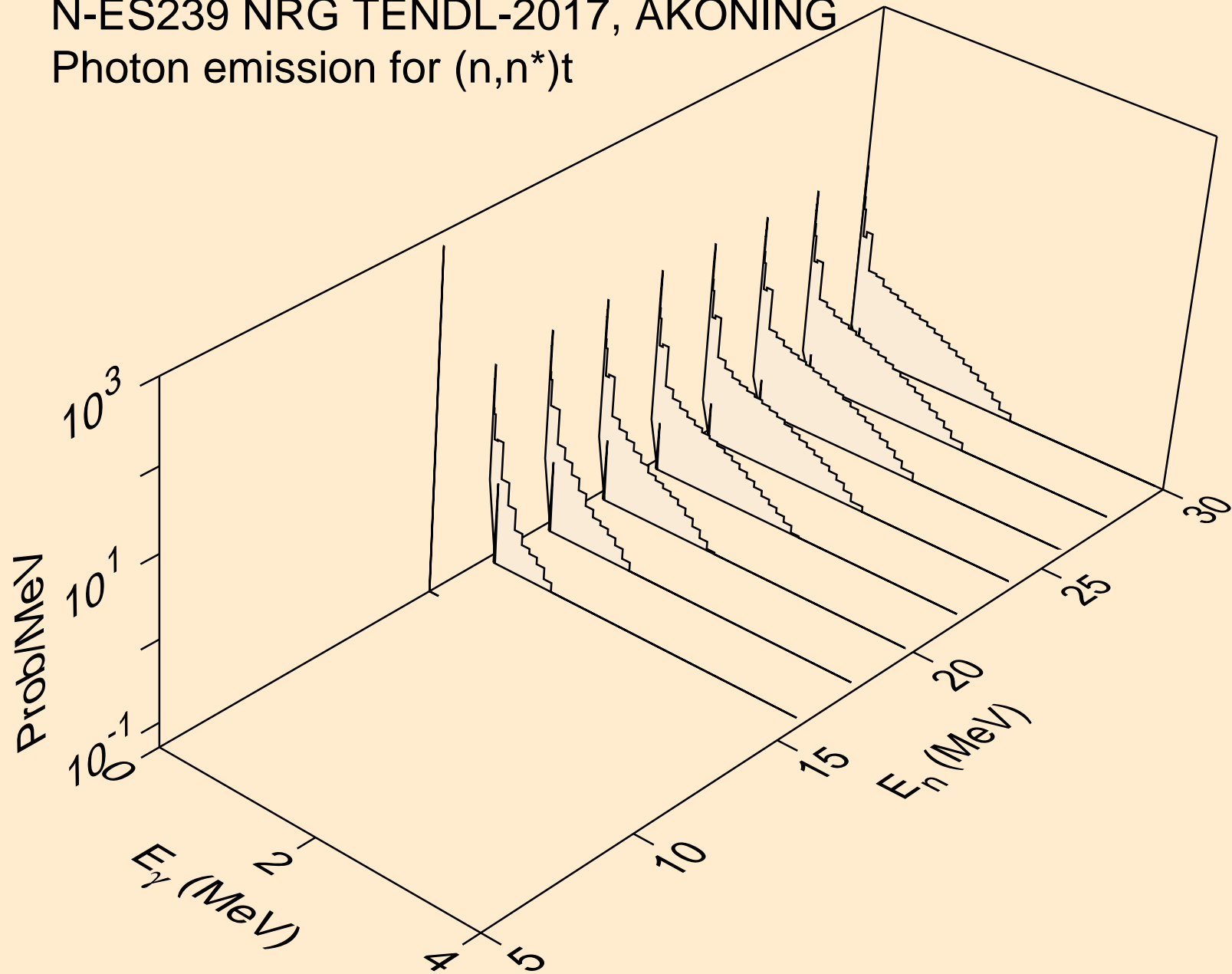
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)p



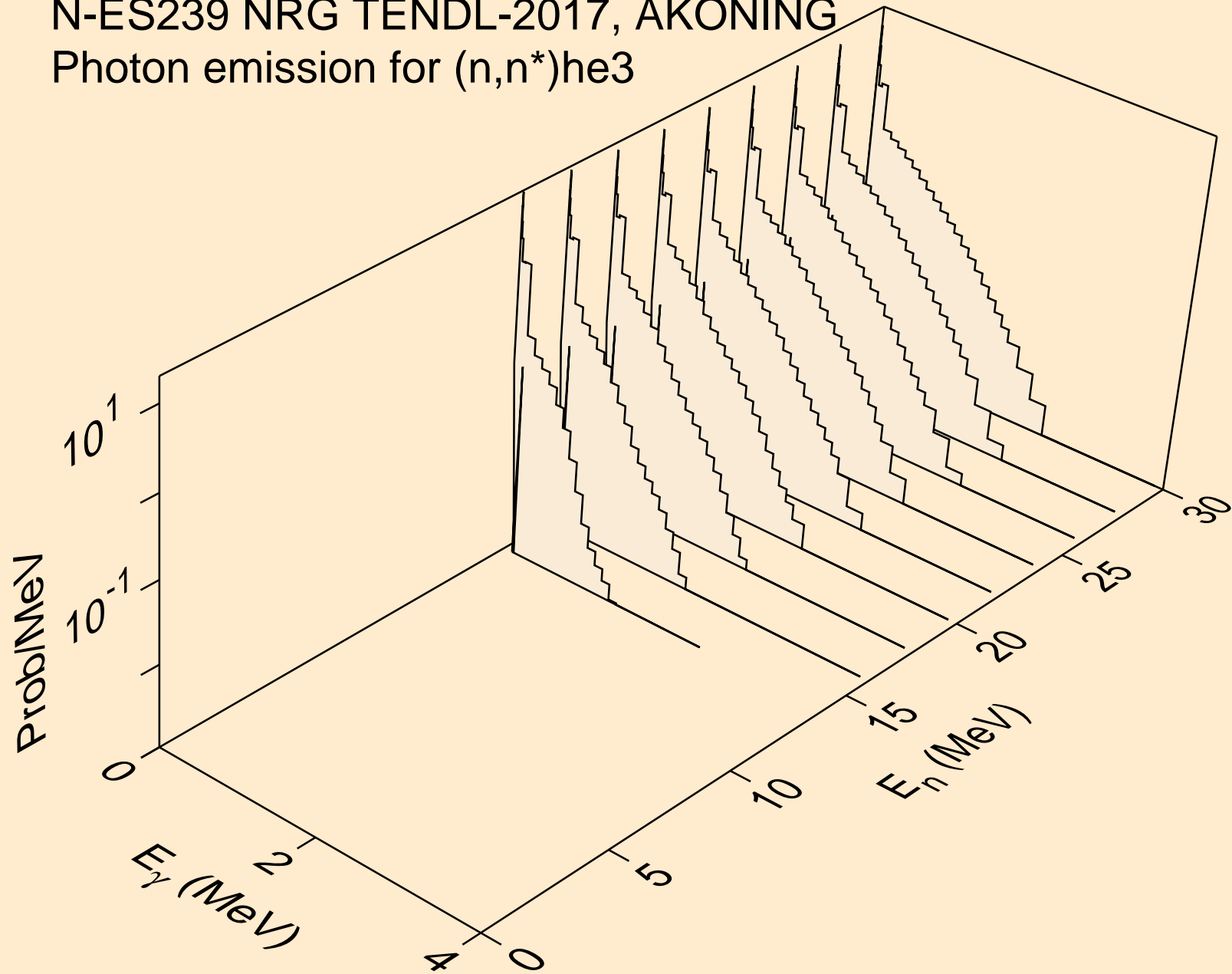
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)d



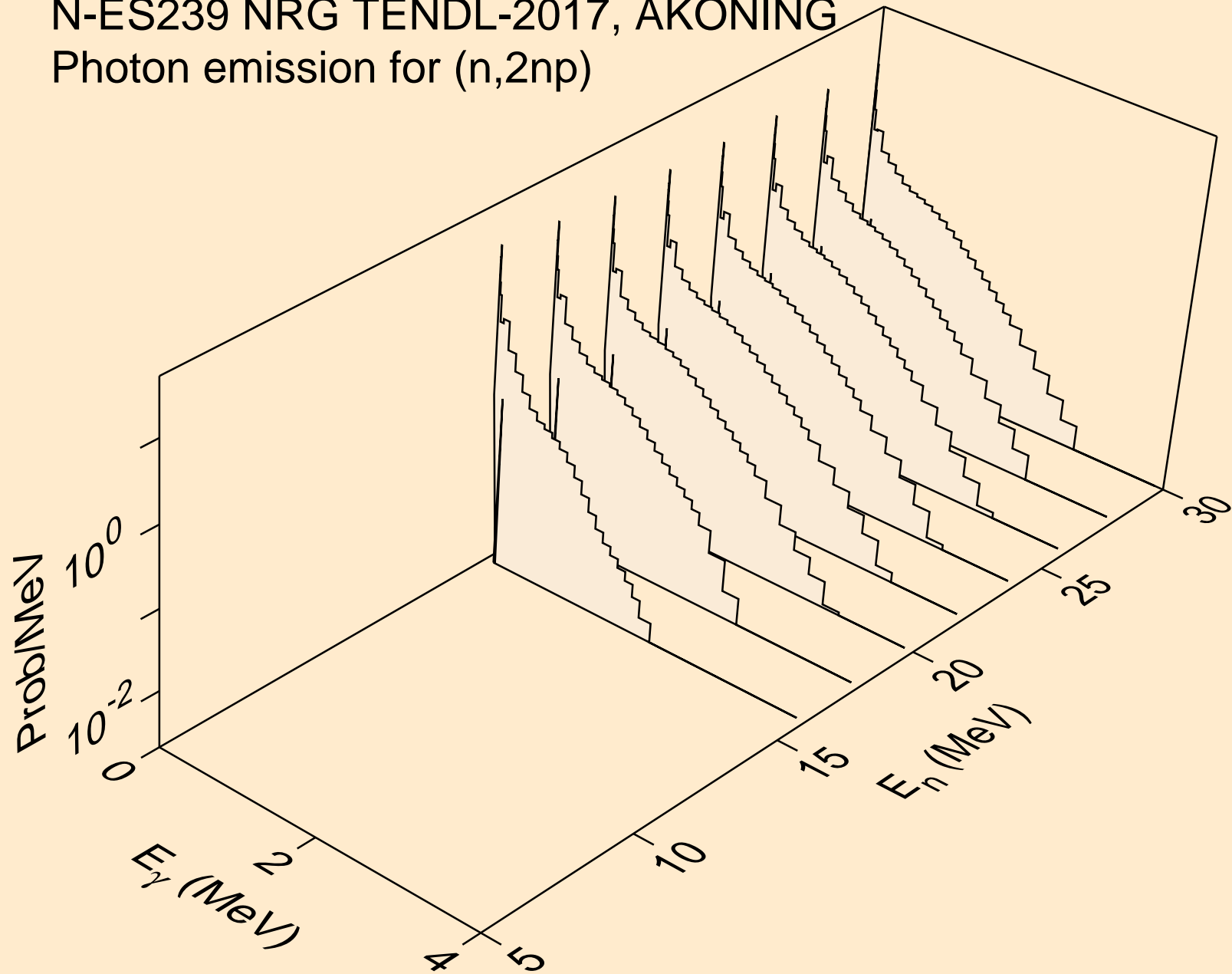
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)t



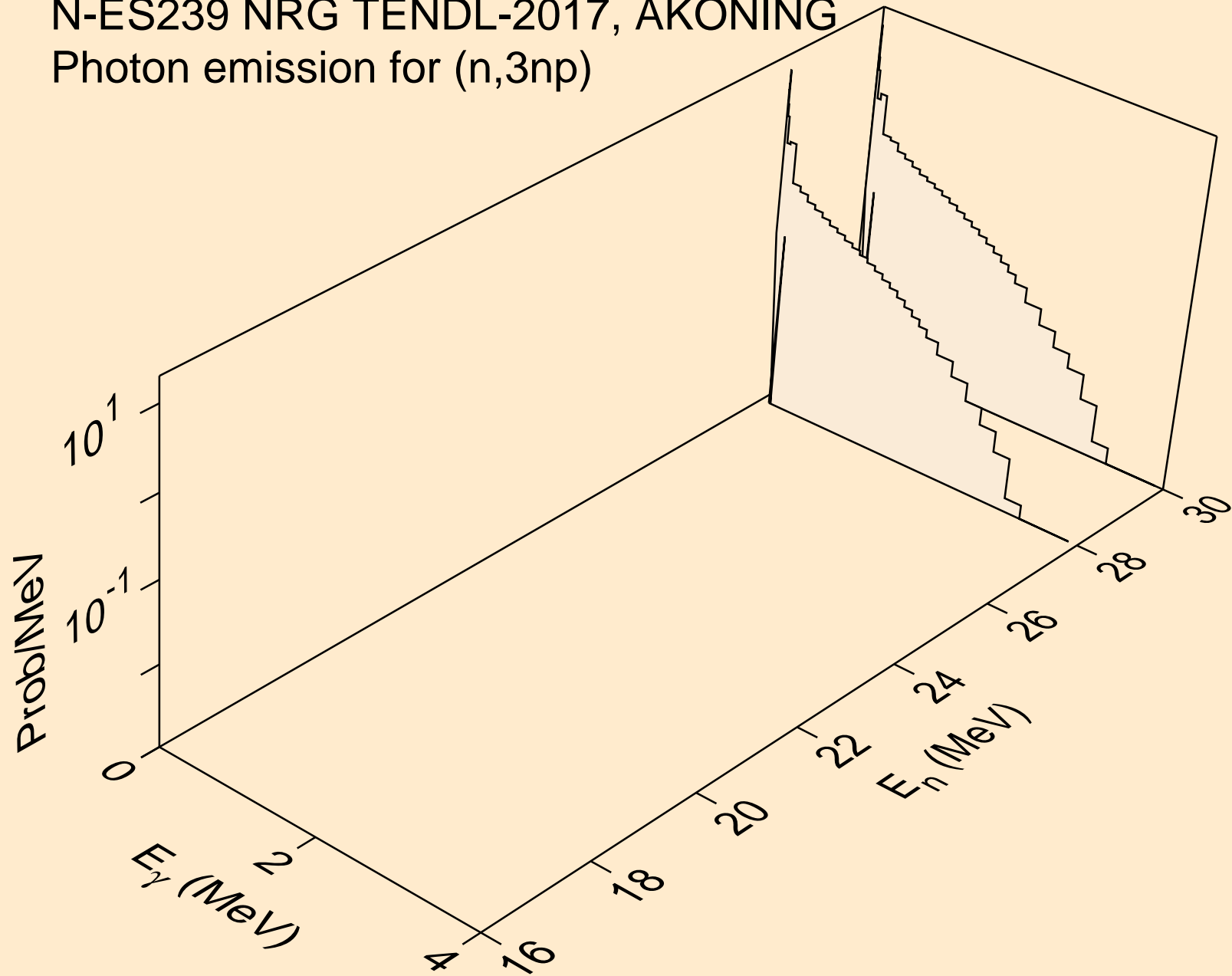
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,n\*)he3



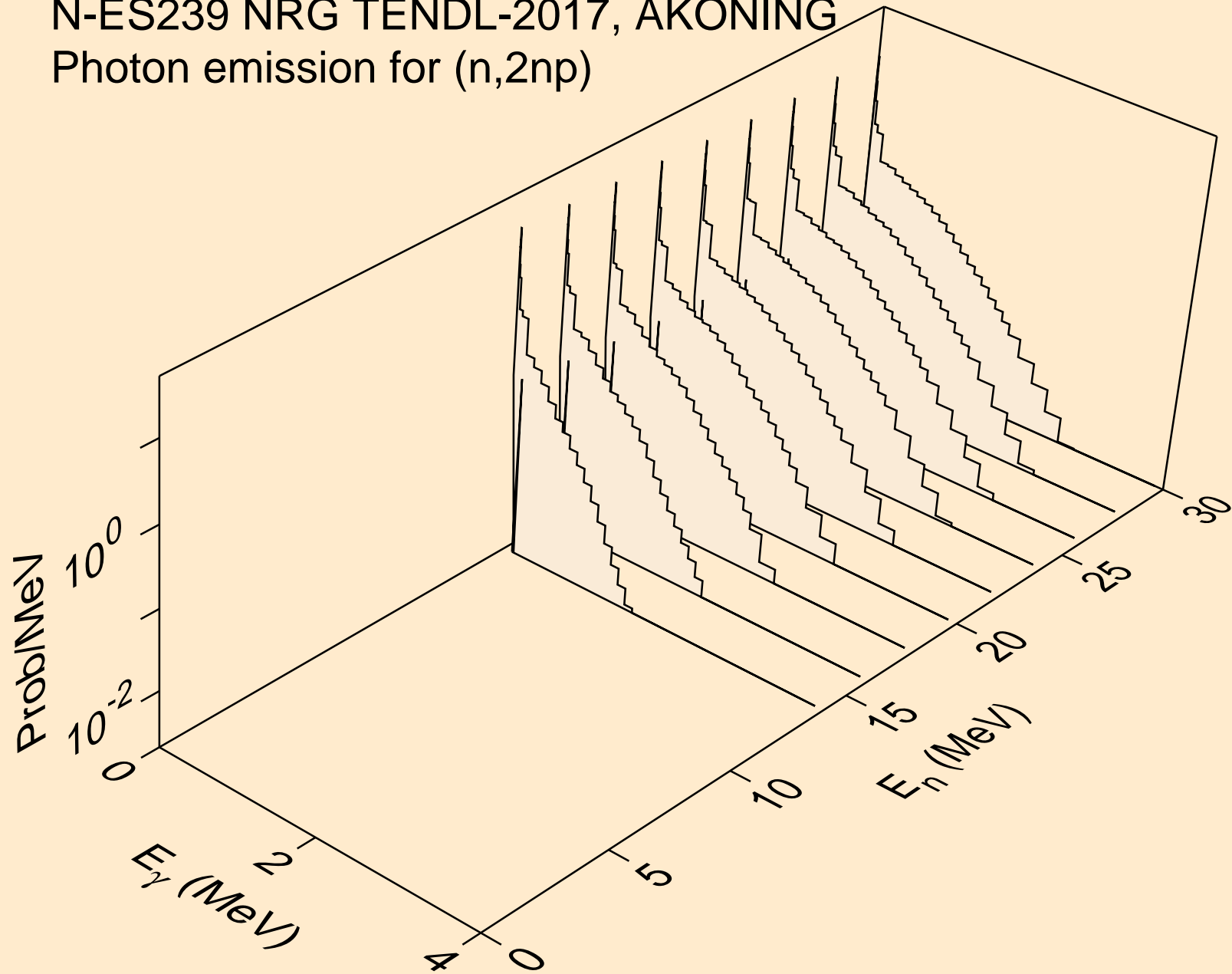
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,2np)



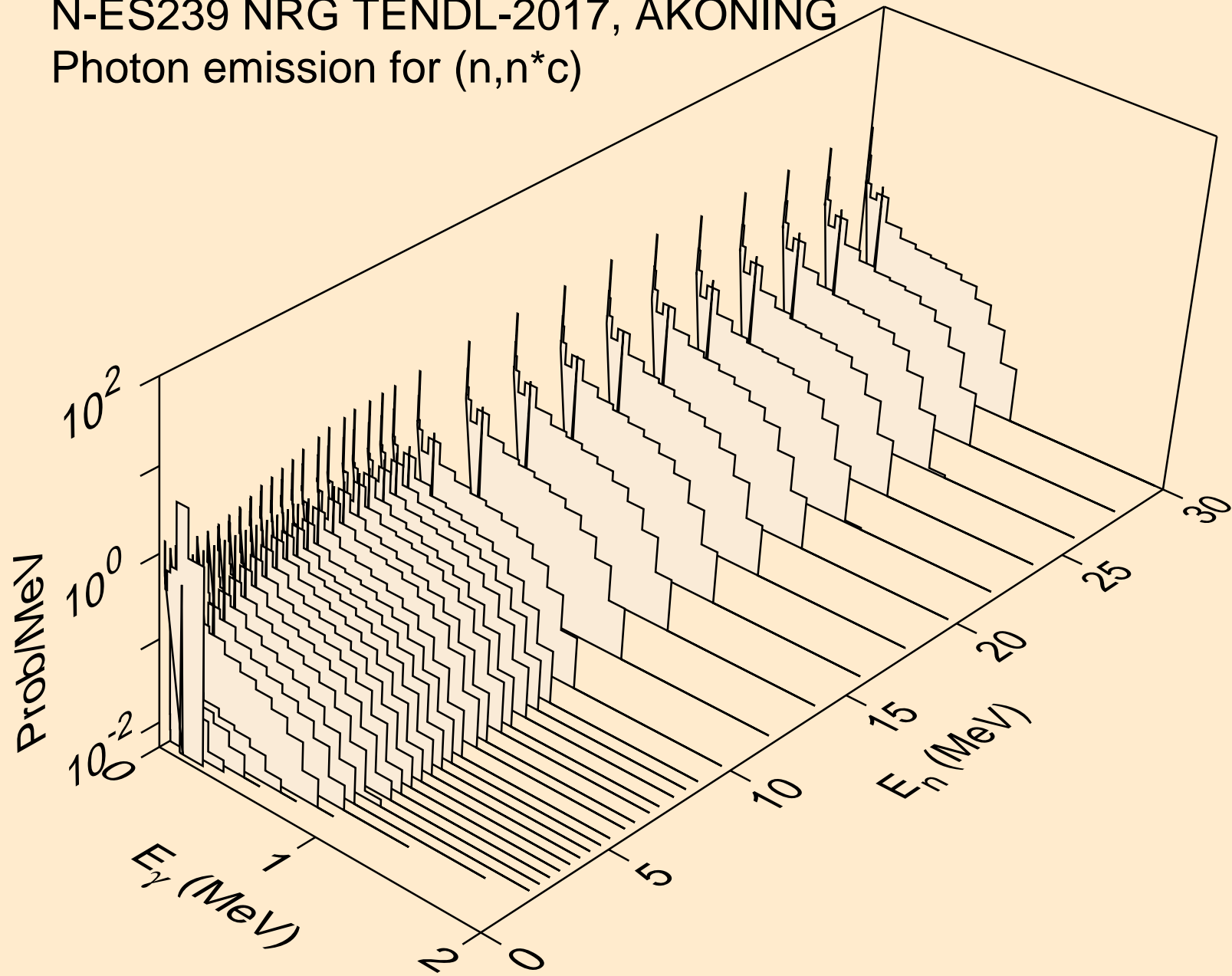
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Photon emission for (n,3np)



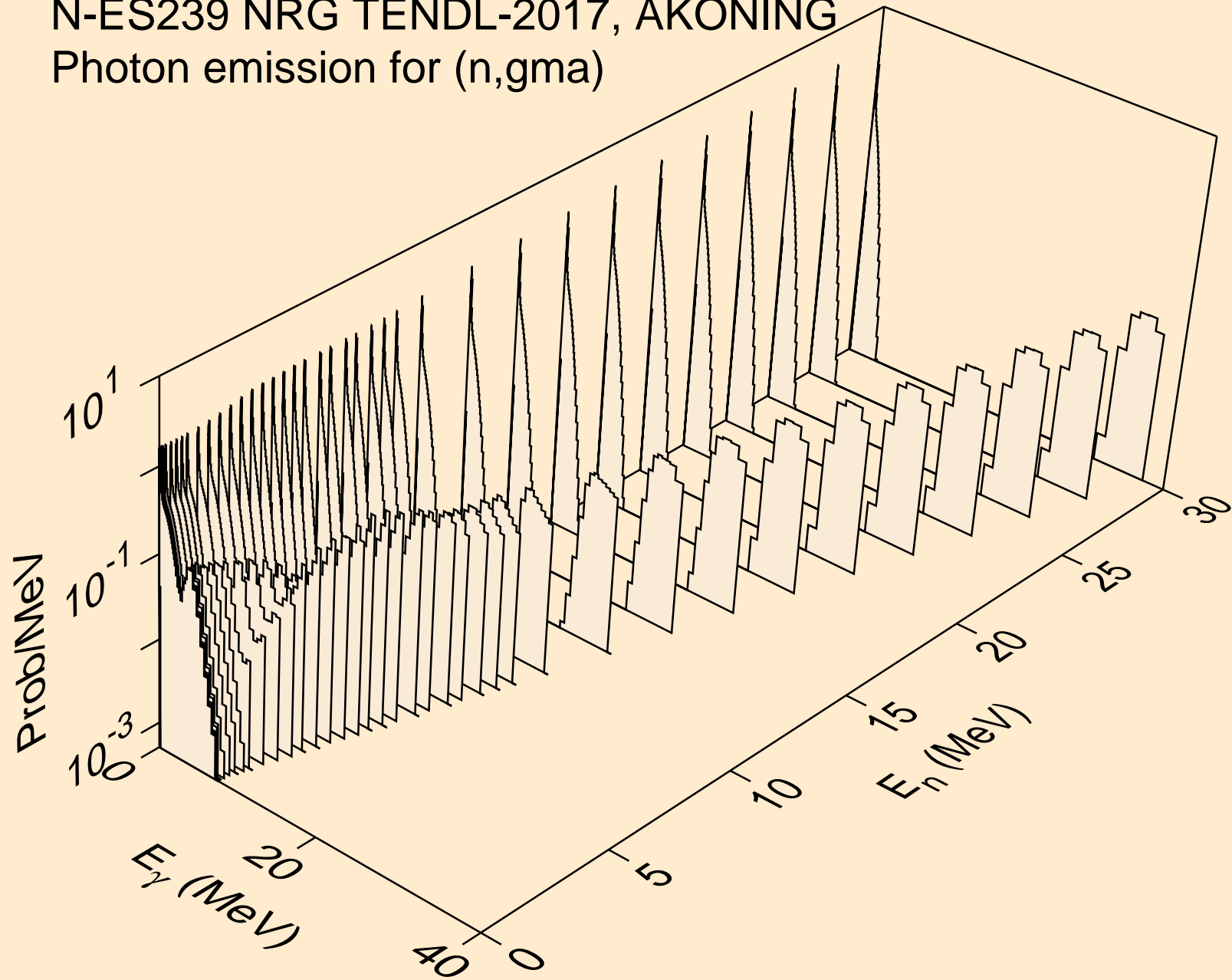
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Photon emission for (n,2np)



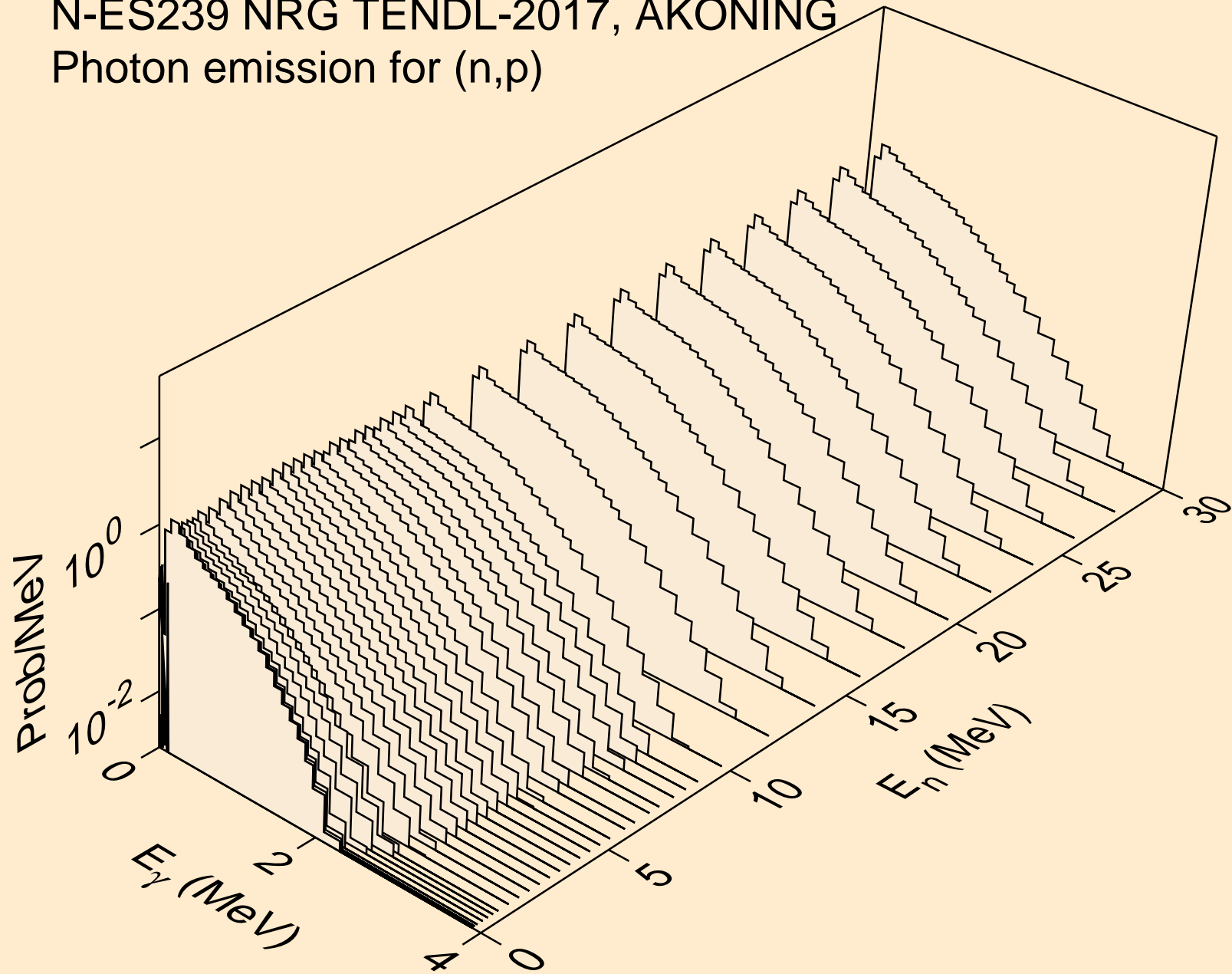
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,n\*c)



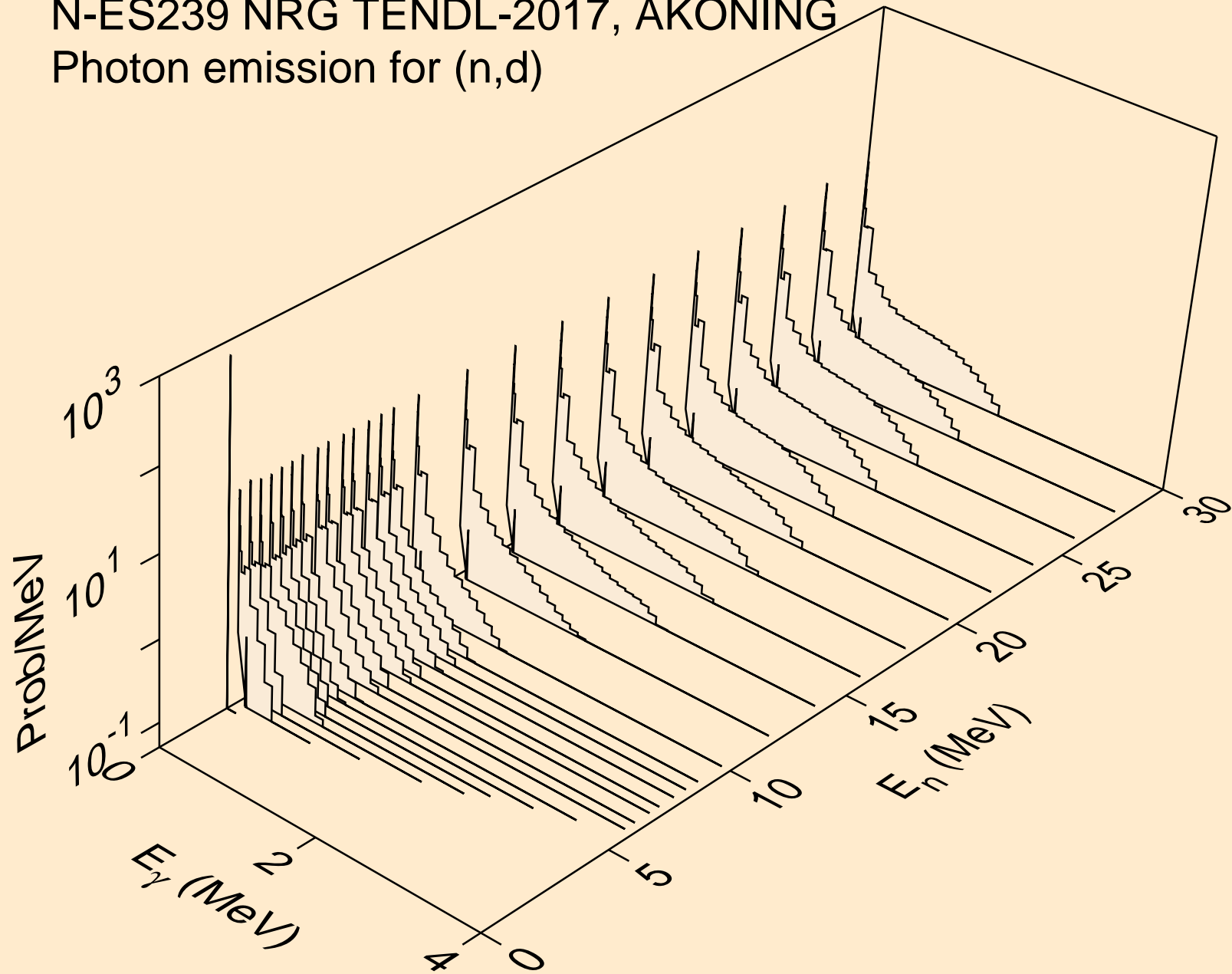
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,gma)



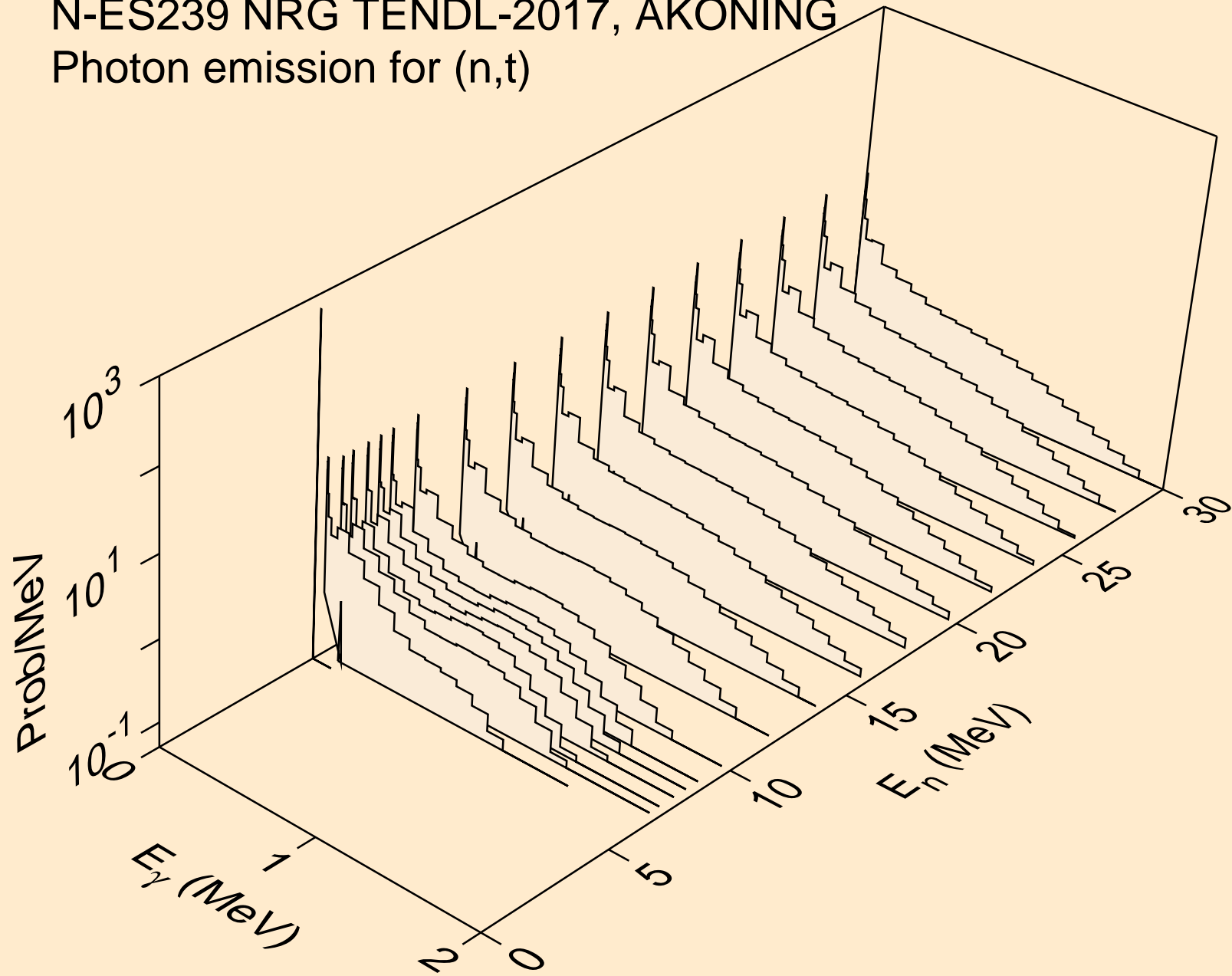
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,p)



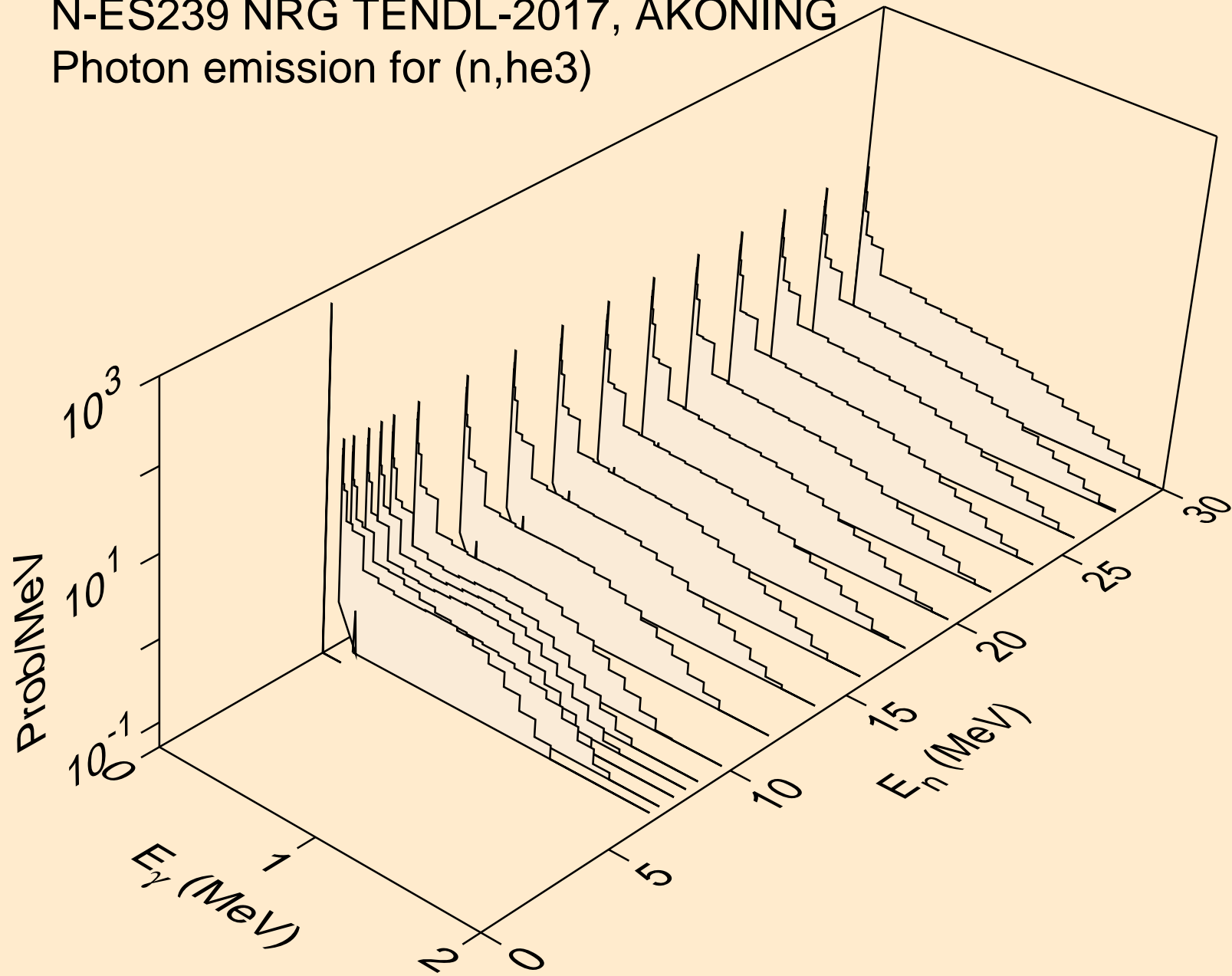
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,d)



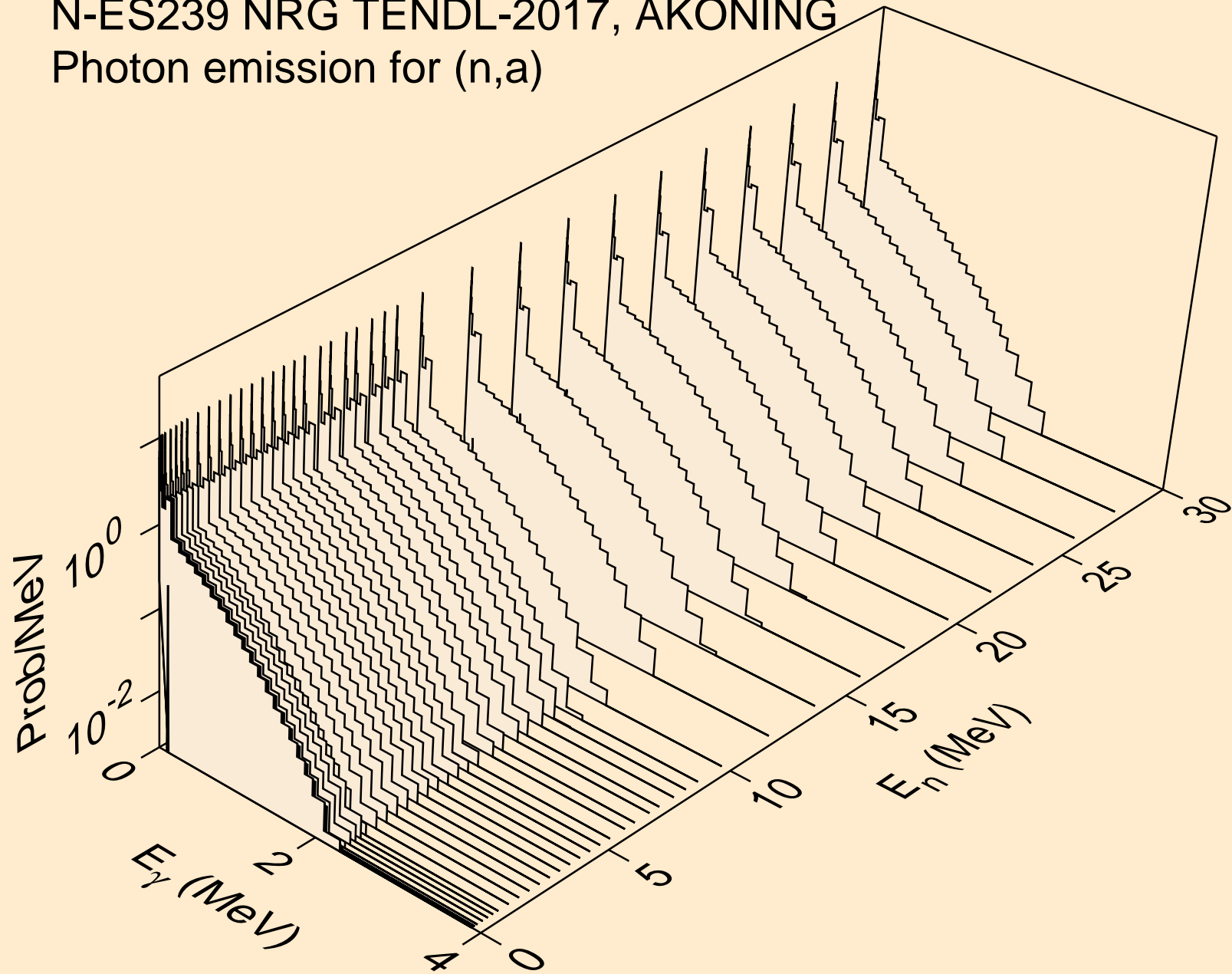
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,t)



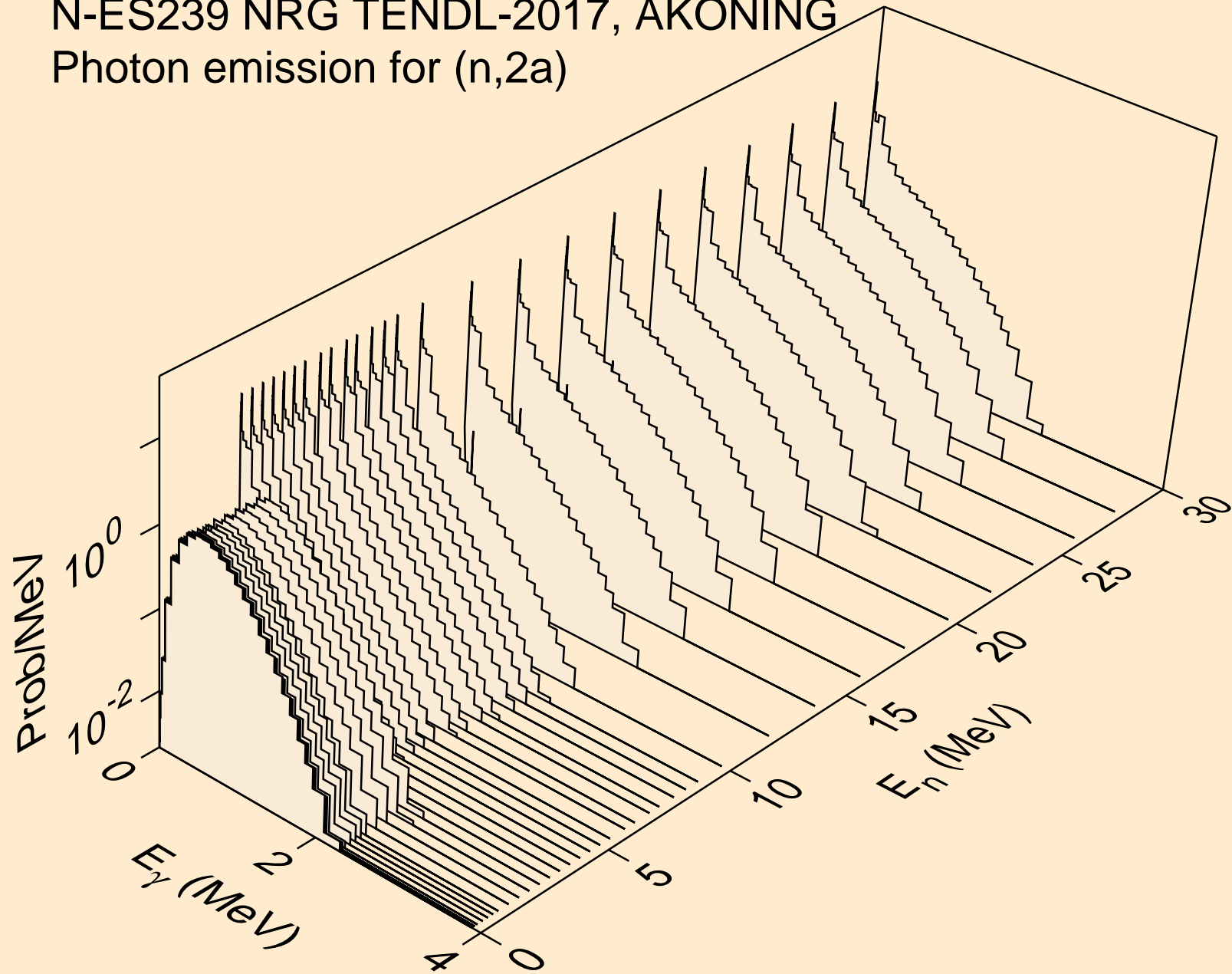
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,he3)



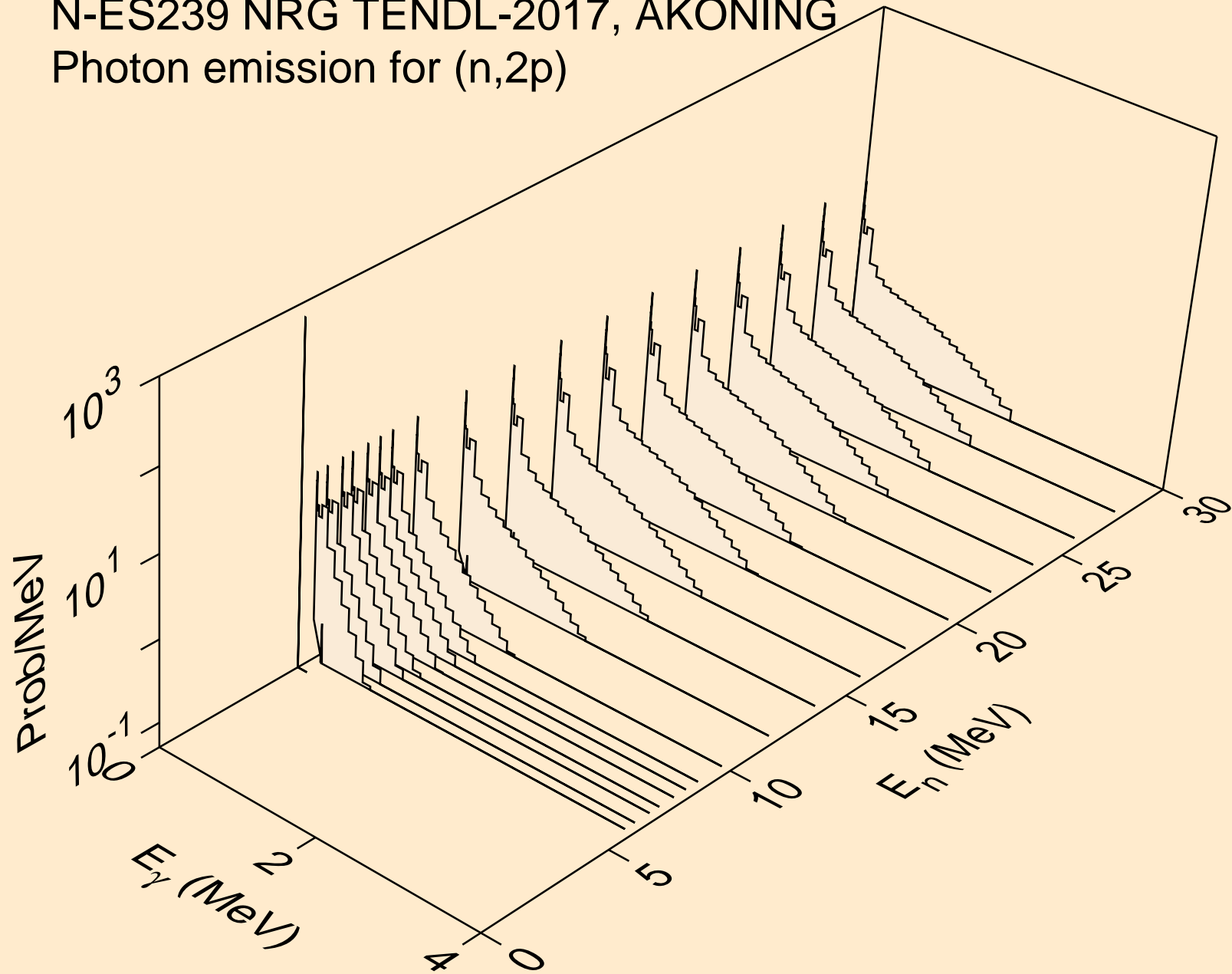
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,a)



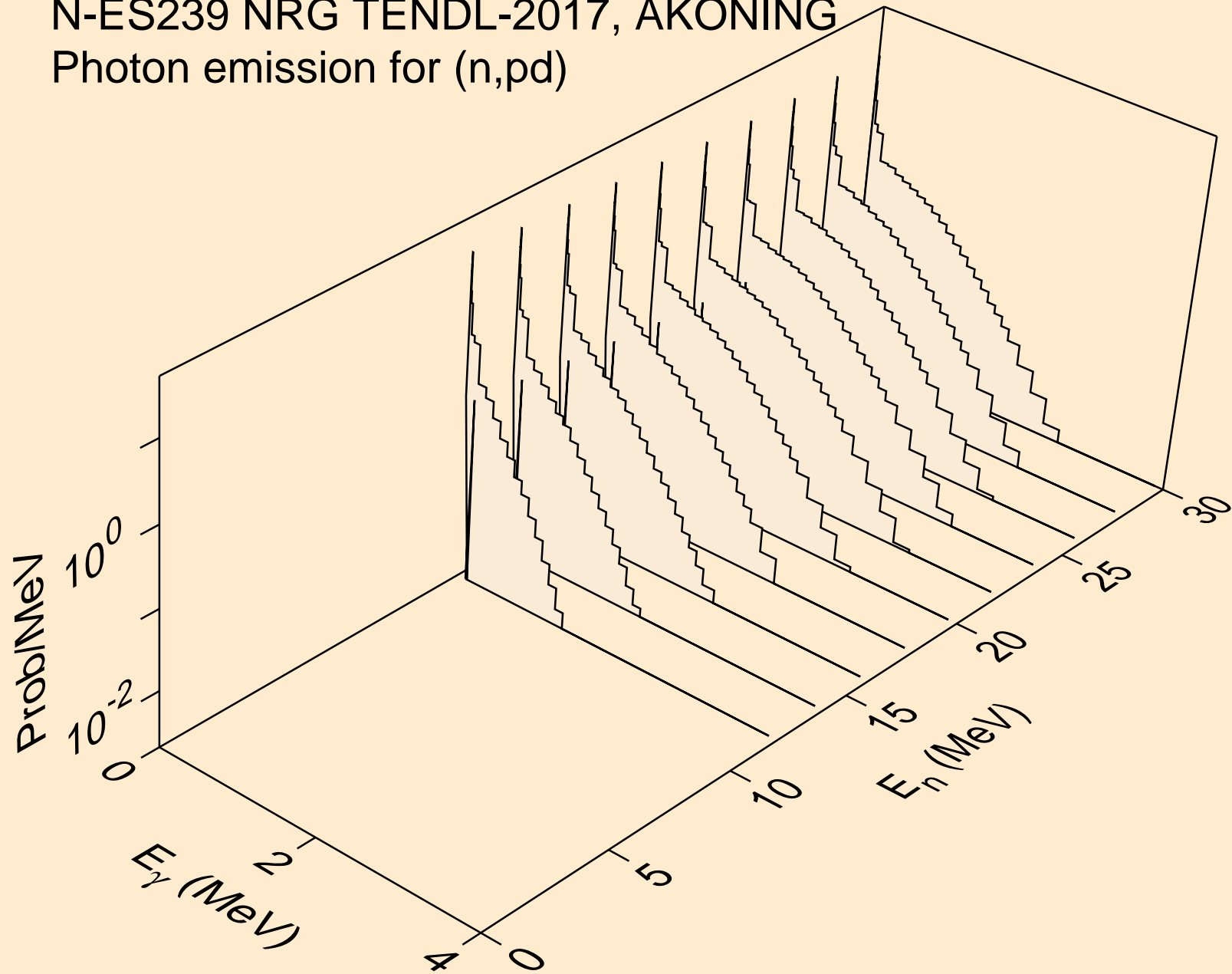
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,2a)



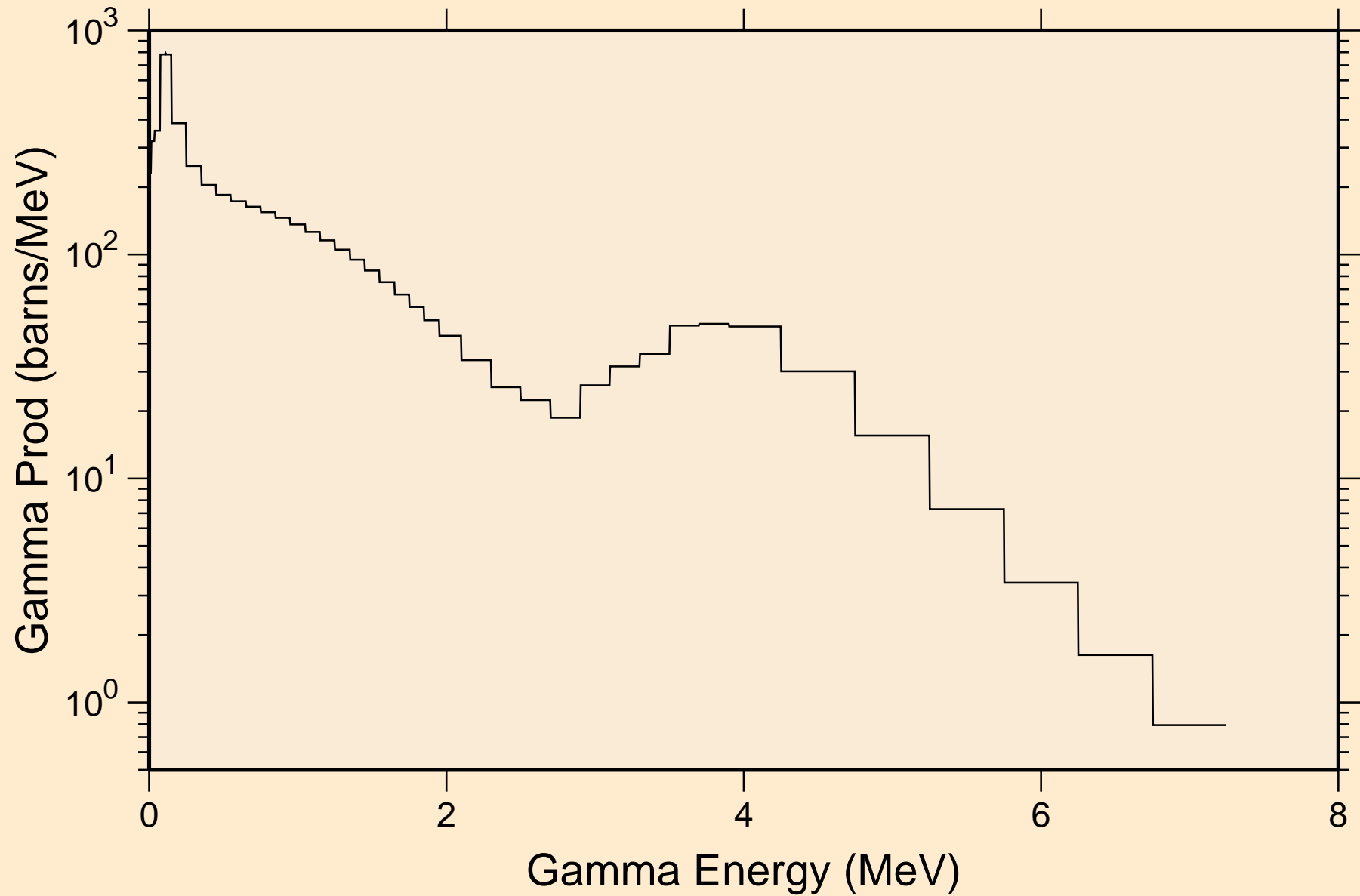
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,2p)



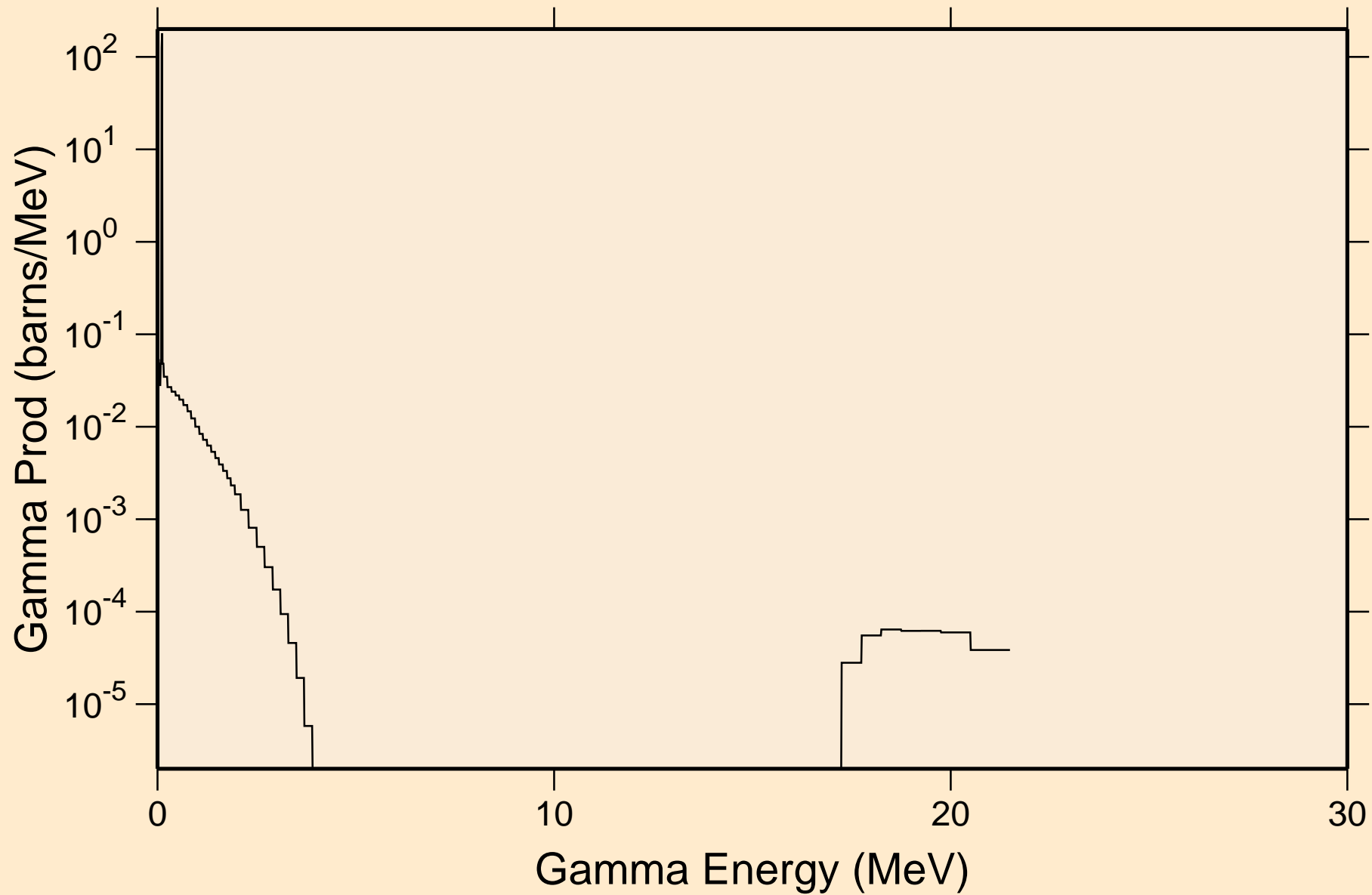
N-ES239 NRG TENDL-2017, AKONING  
Photon emission for (n,pd)



N-ES239 NRG TENDL-2017, AKONING  
thermal capture photon spectrum

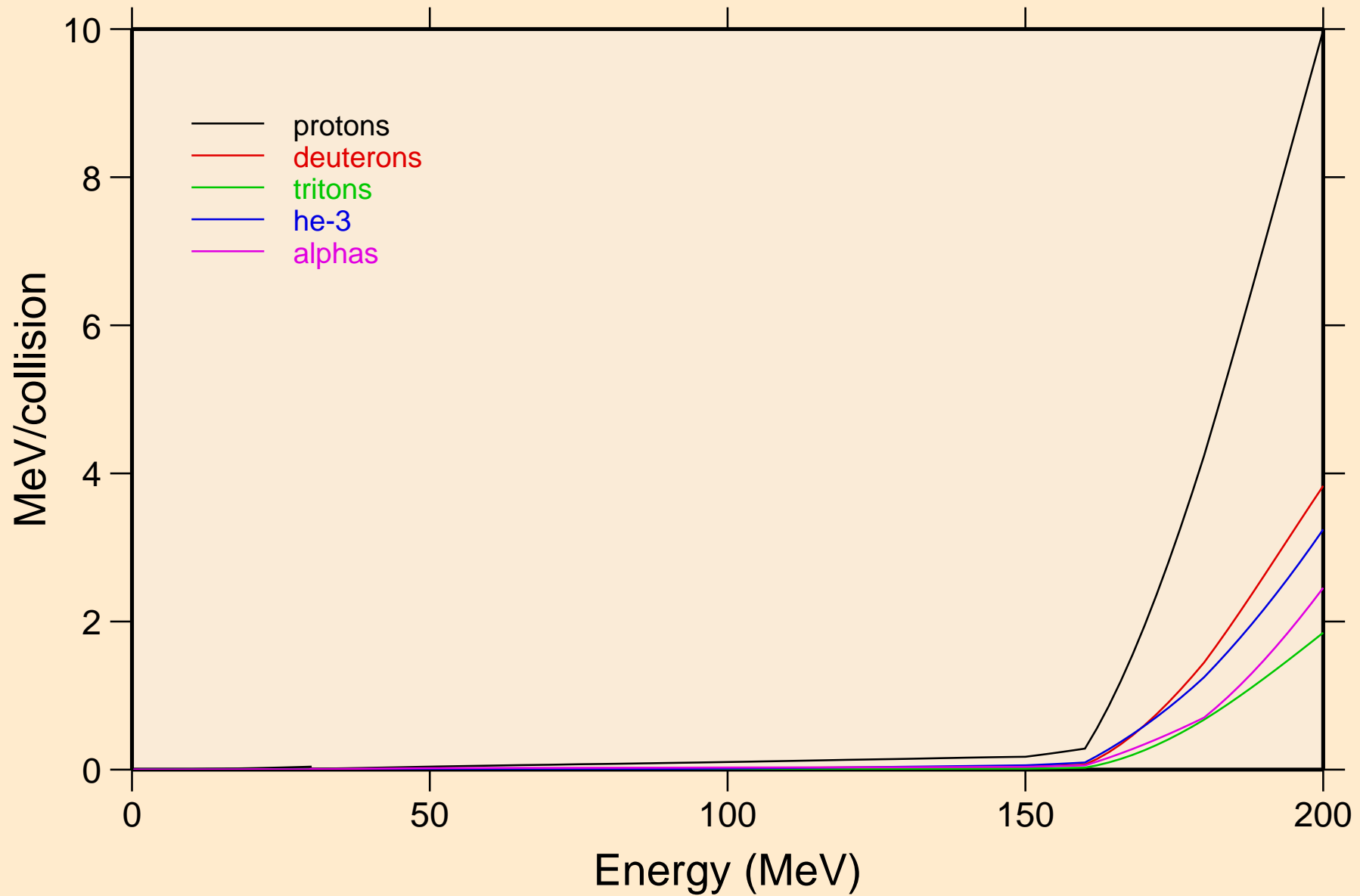


N-ES239 NRG TENDL-2017, AKONING  
14 MeV photon spectrum



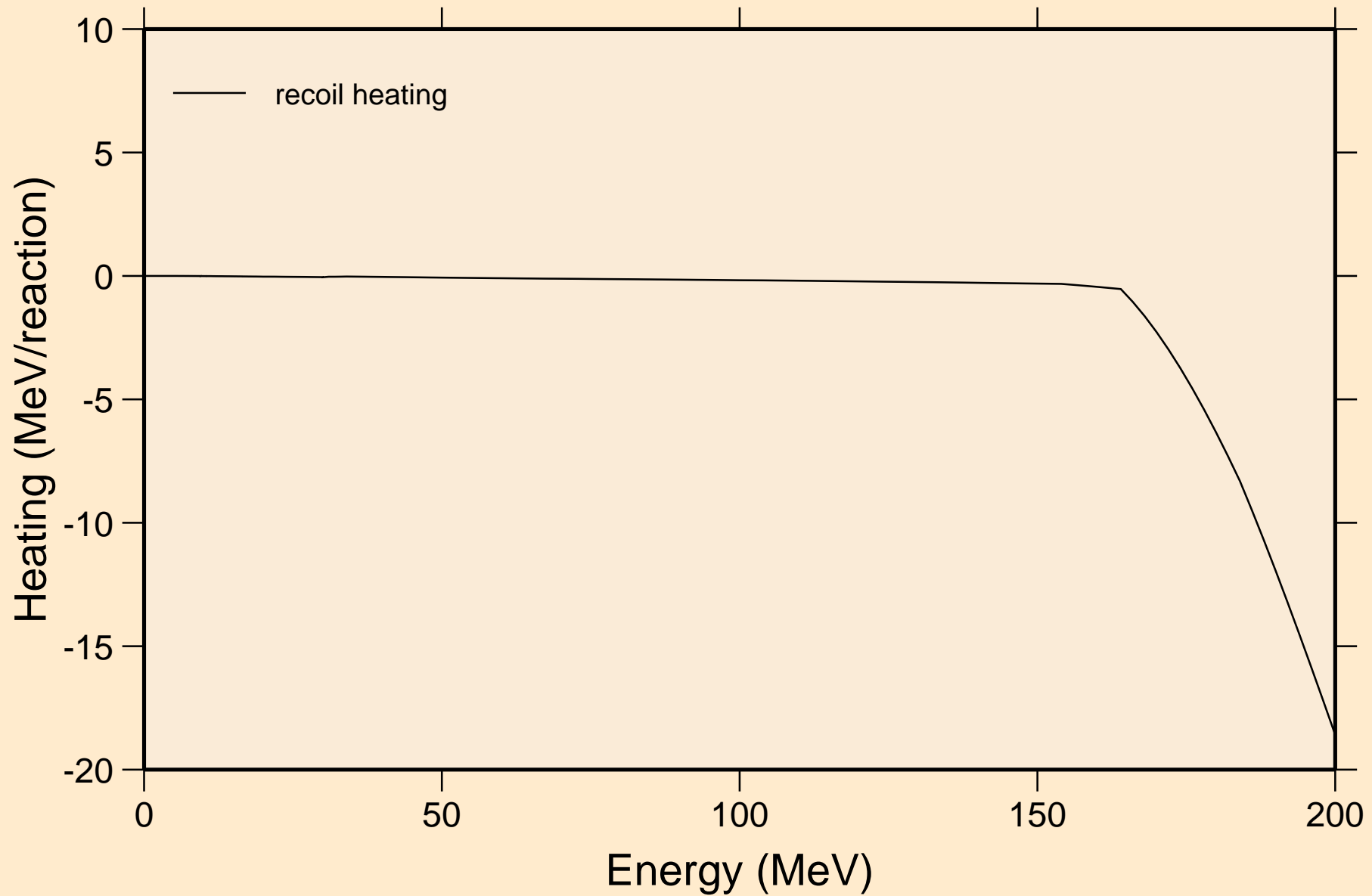
# N-ES239 NRG TENDL-2017, AKONING

## Particle heating contributions



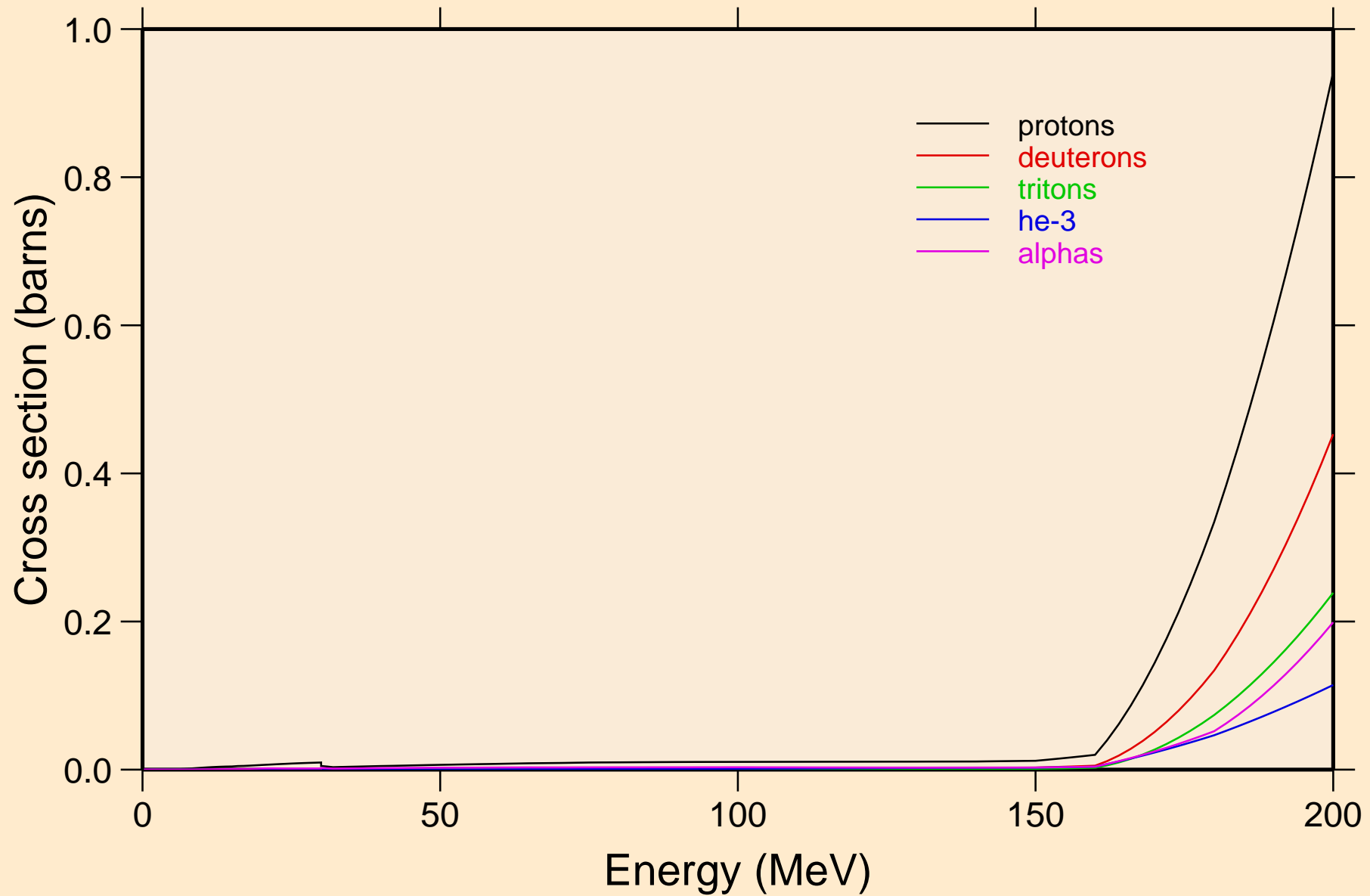
# N-ES239 NRG TENDL-2017, AKONING

## Recoil Heating

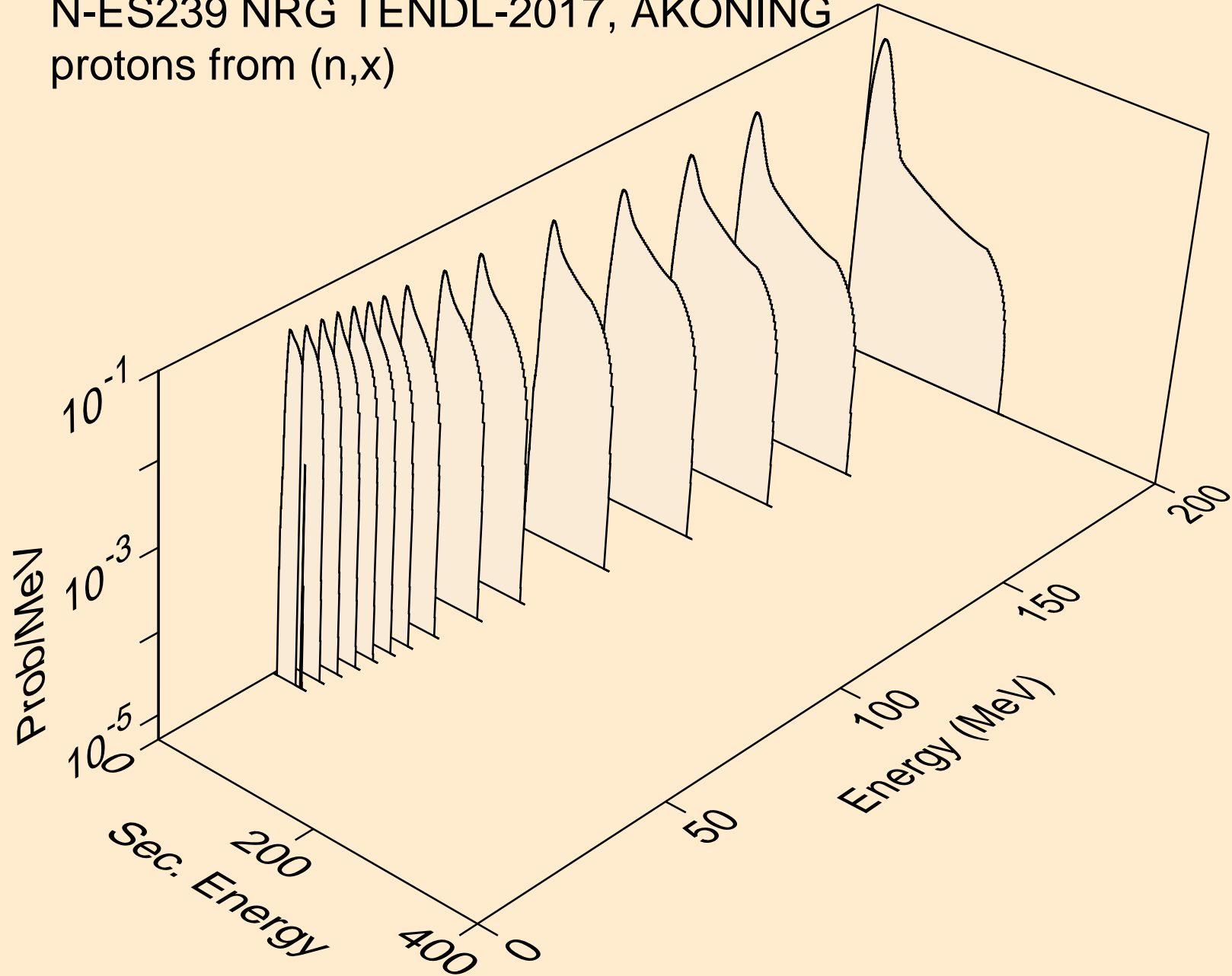


# N-ES239 NRG TENDL-2017, AKONING

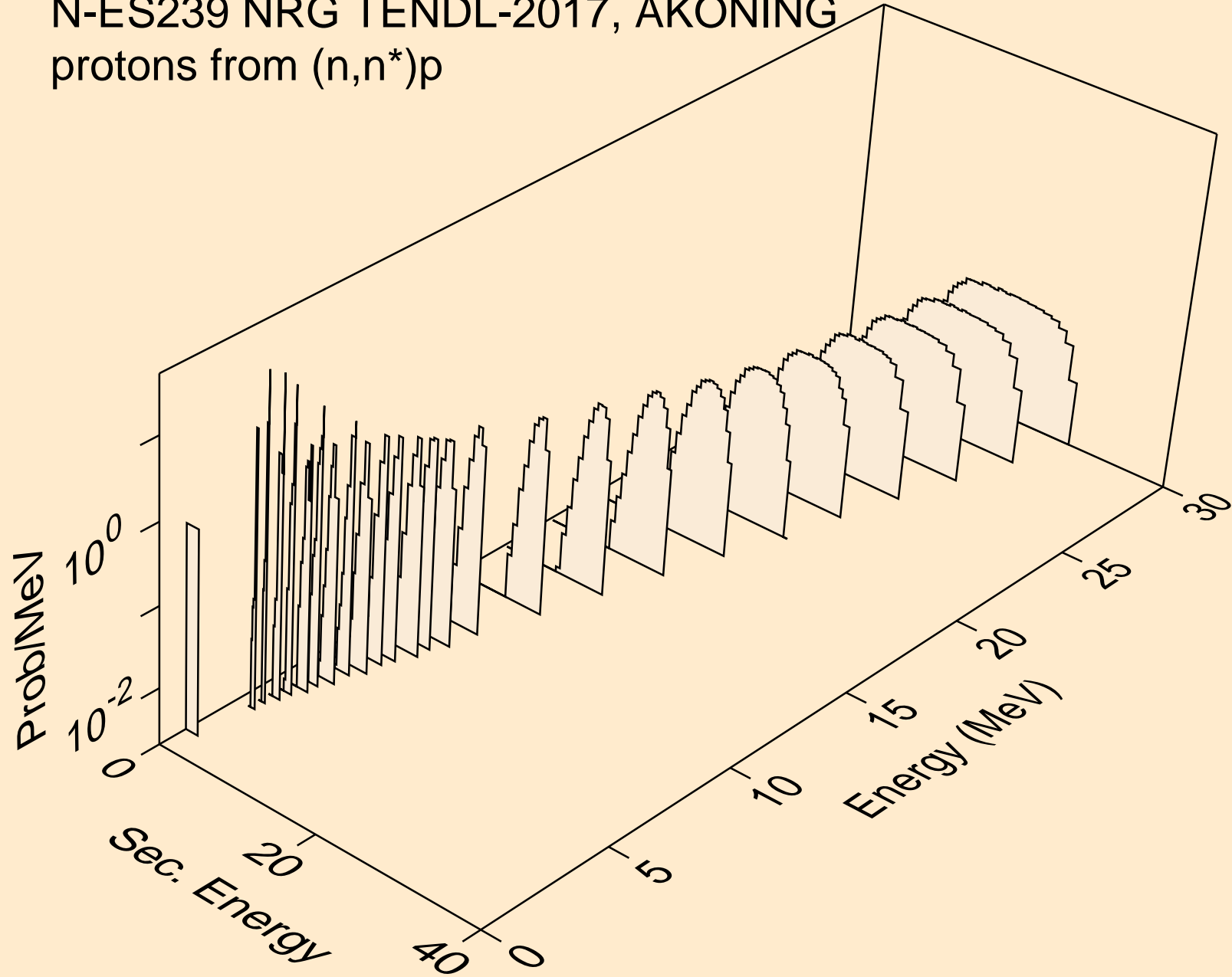
## Particle production cross sections



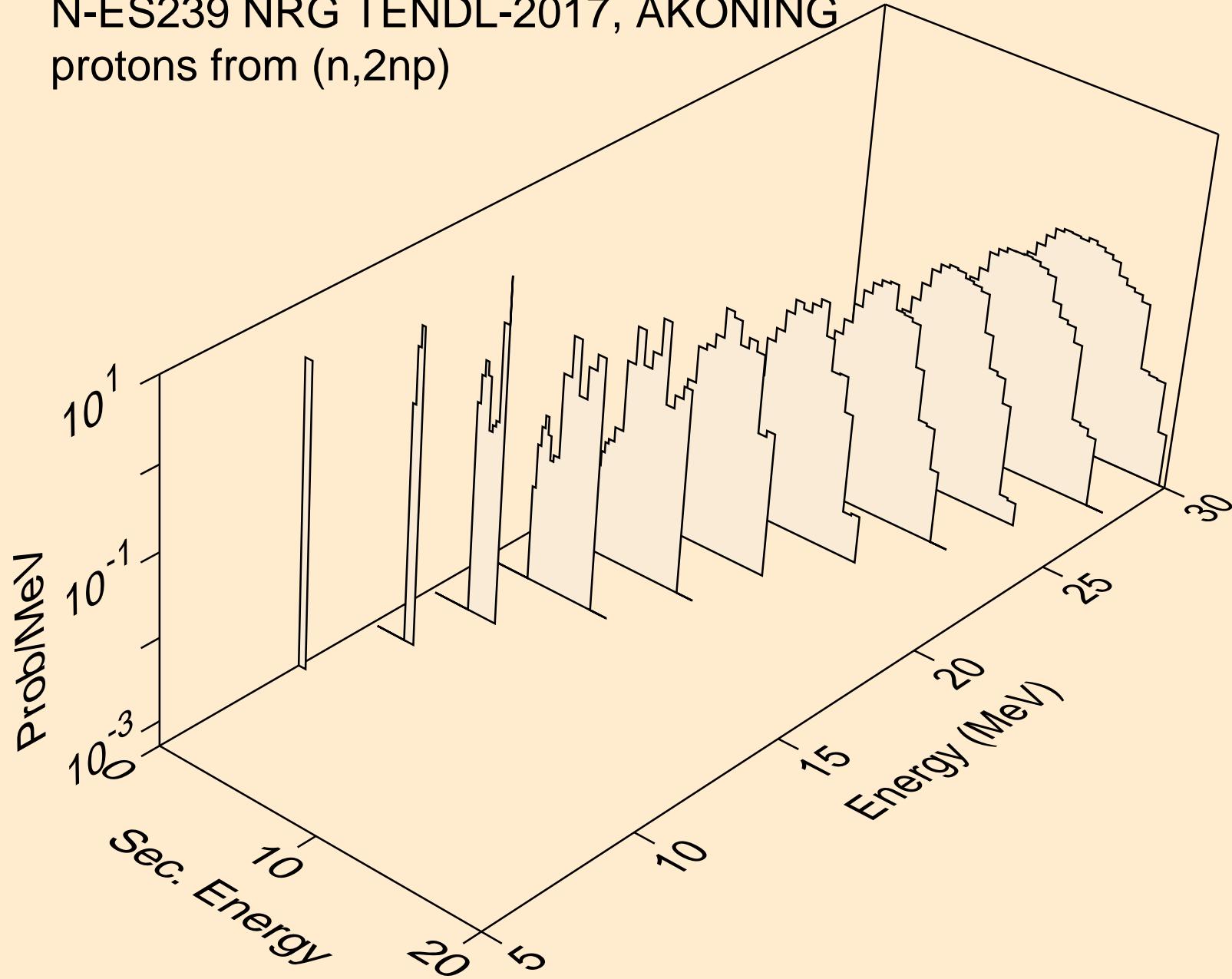
N-ES239 NRG TENDL-2017, AKONING  
protons from (n,x)



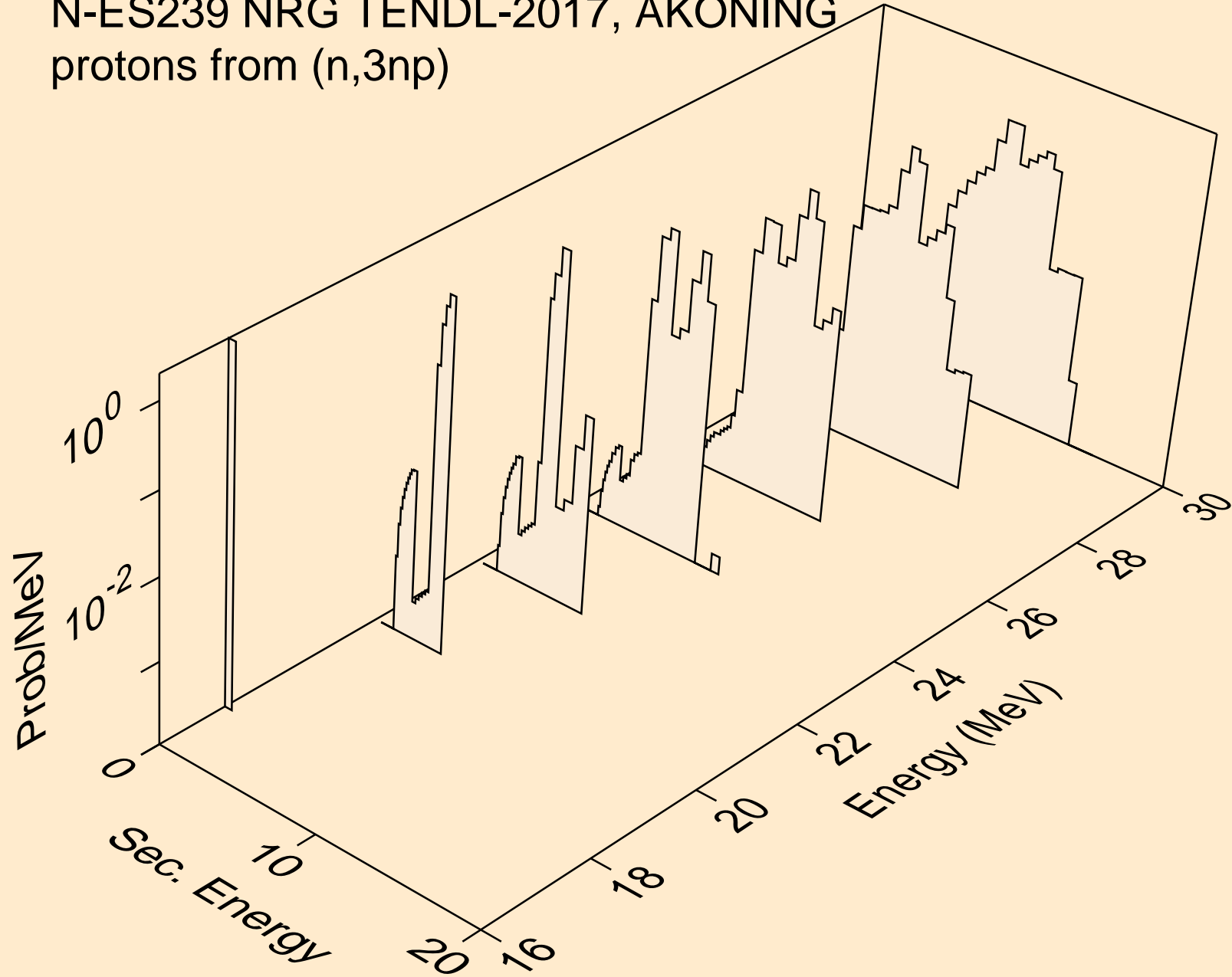
N-ES239 NRG TENDL-2017, AKONING  
protons from (n,n\*)p



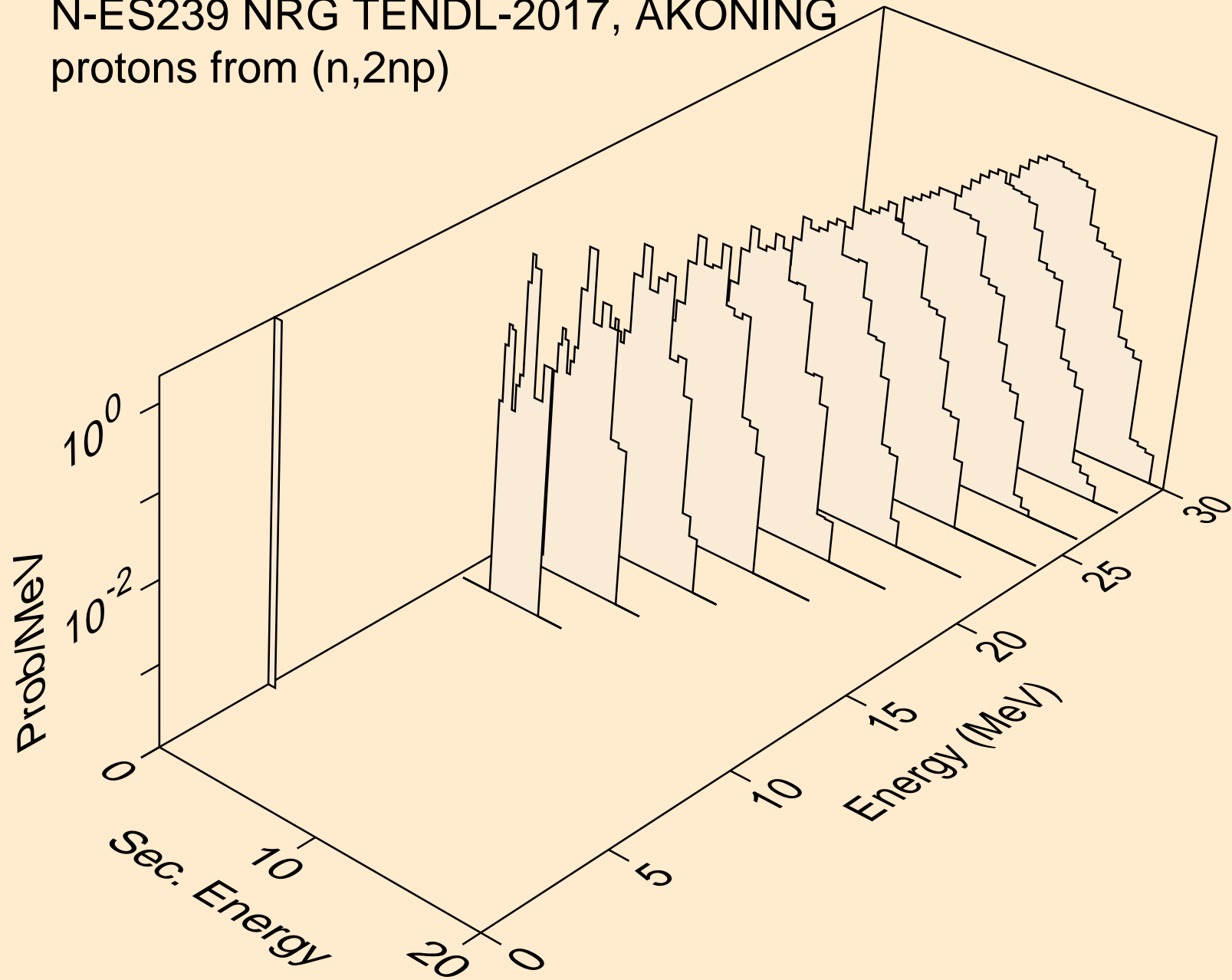
N-ES239 NRG TENDL-2017, AKONING  
protons from (n,2np)



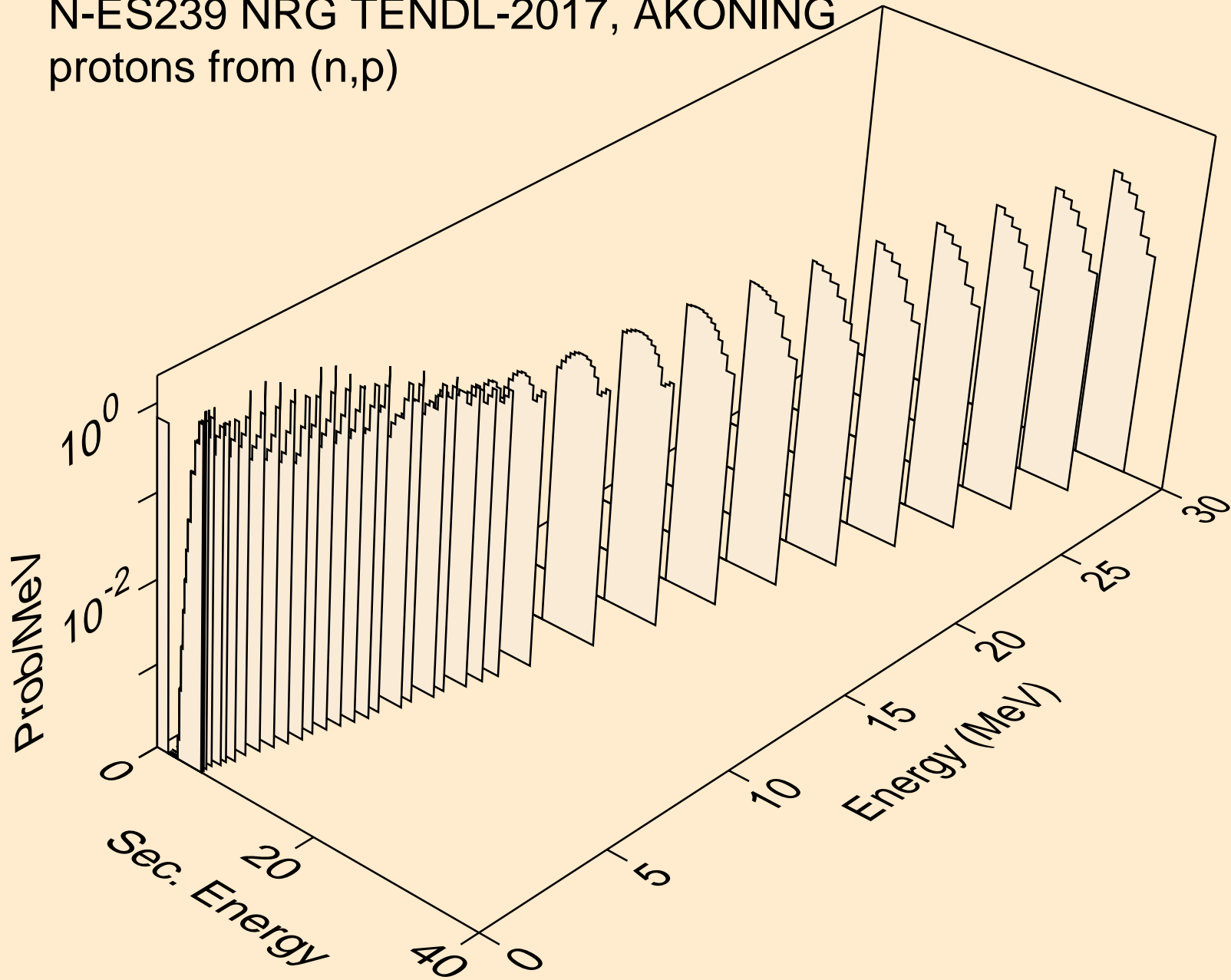
N-ES239 NRG TENDL-2017, AKONING  
protons from (n,3np)



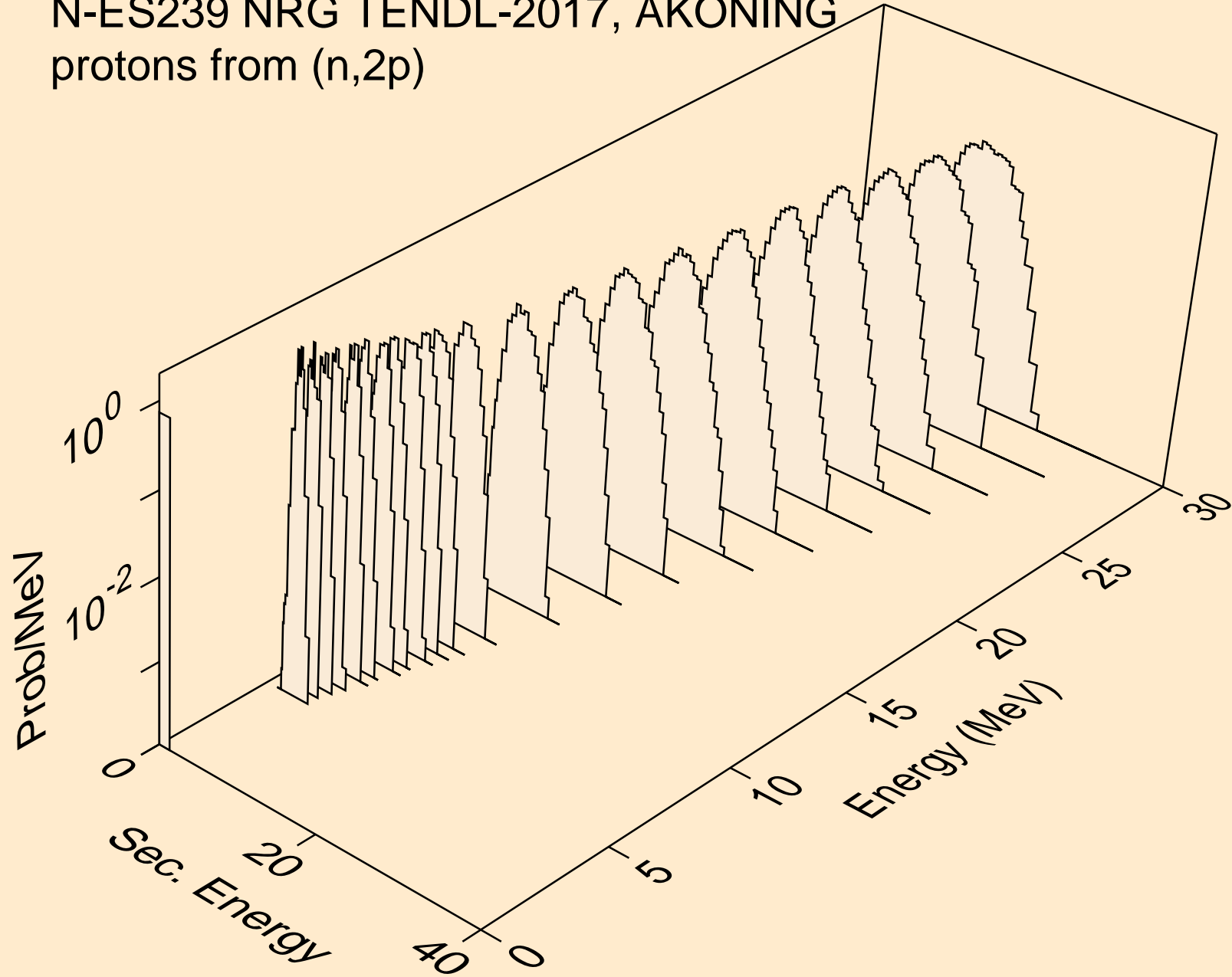
N-ES239 NRG TENDL-2017, AKONING  
protons from (n,2np)



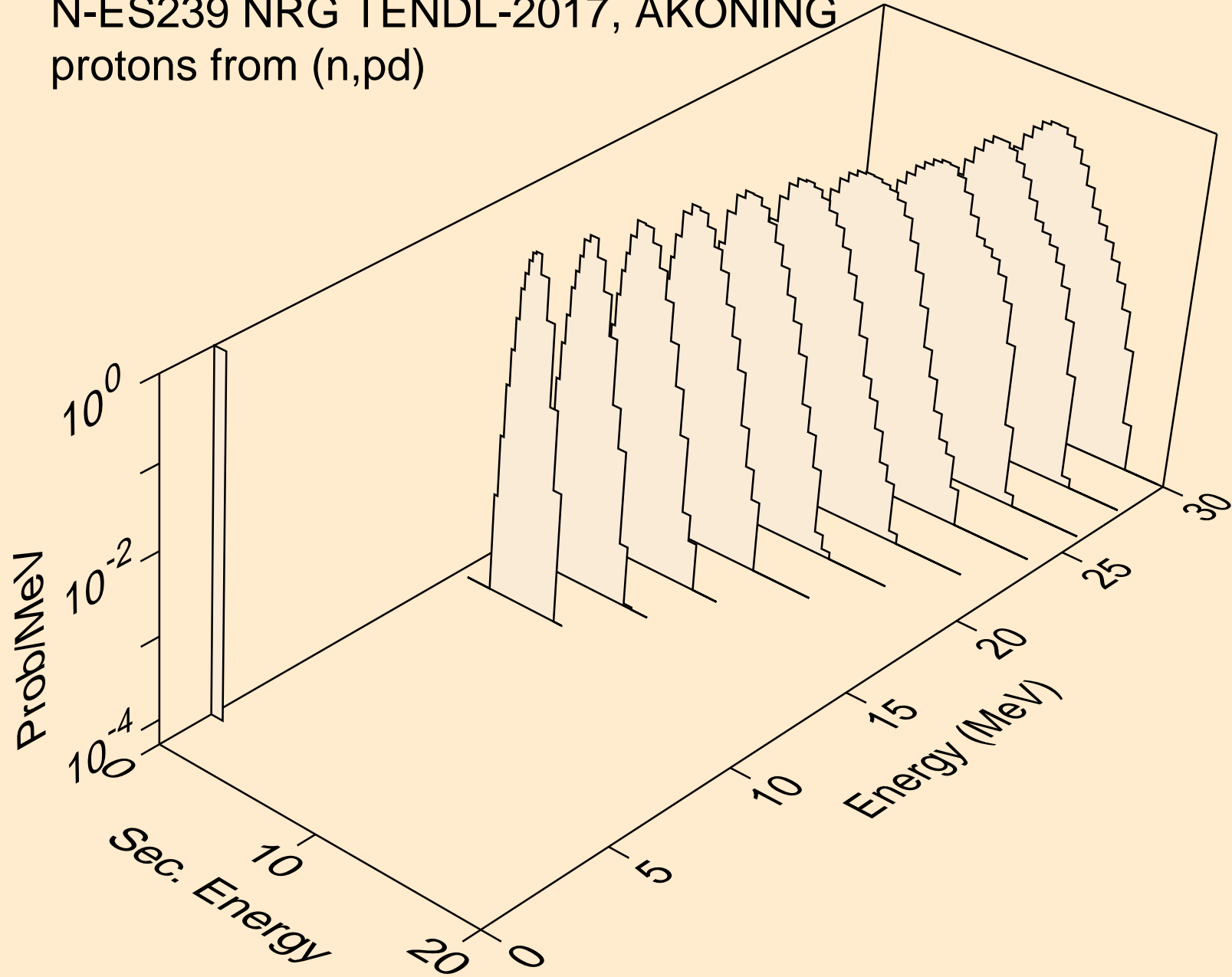
N-ES239 NRG TENDL-2017, AKONING  
protons from (n,p)



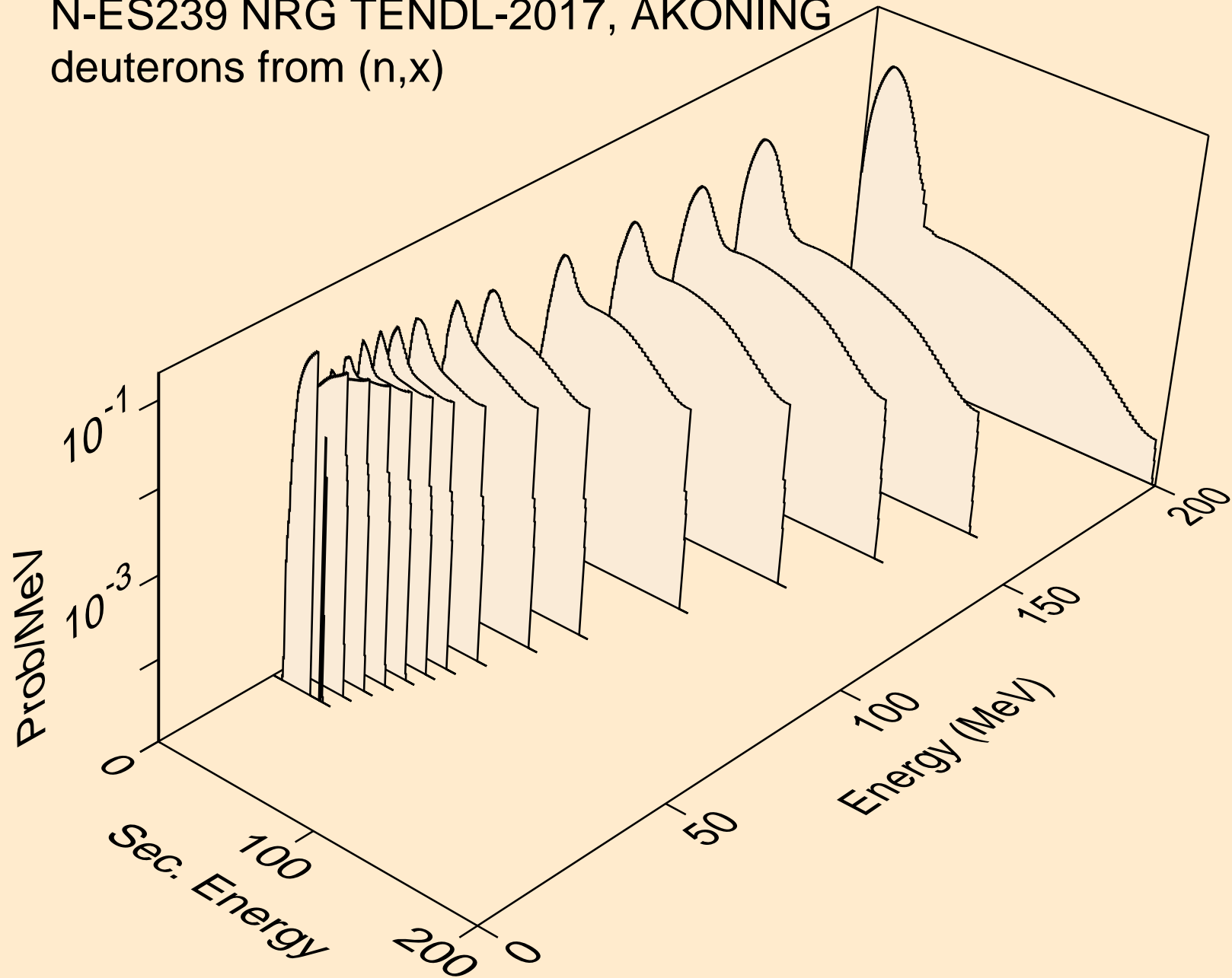
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protons from (n,2p)



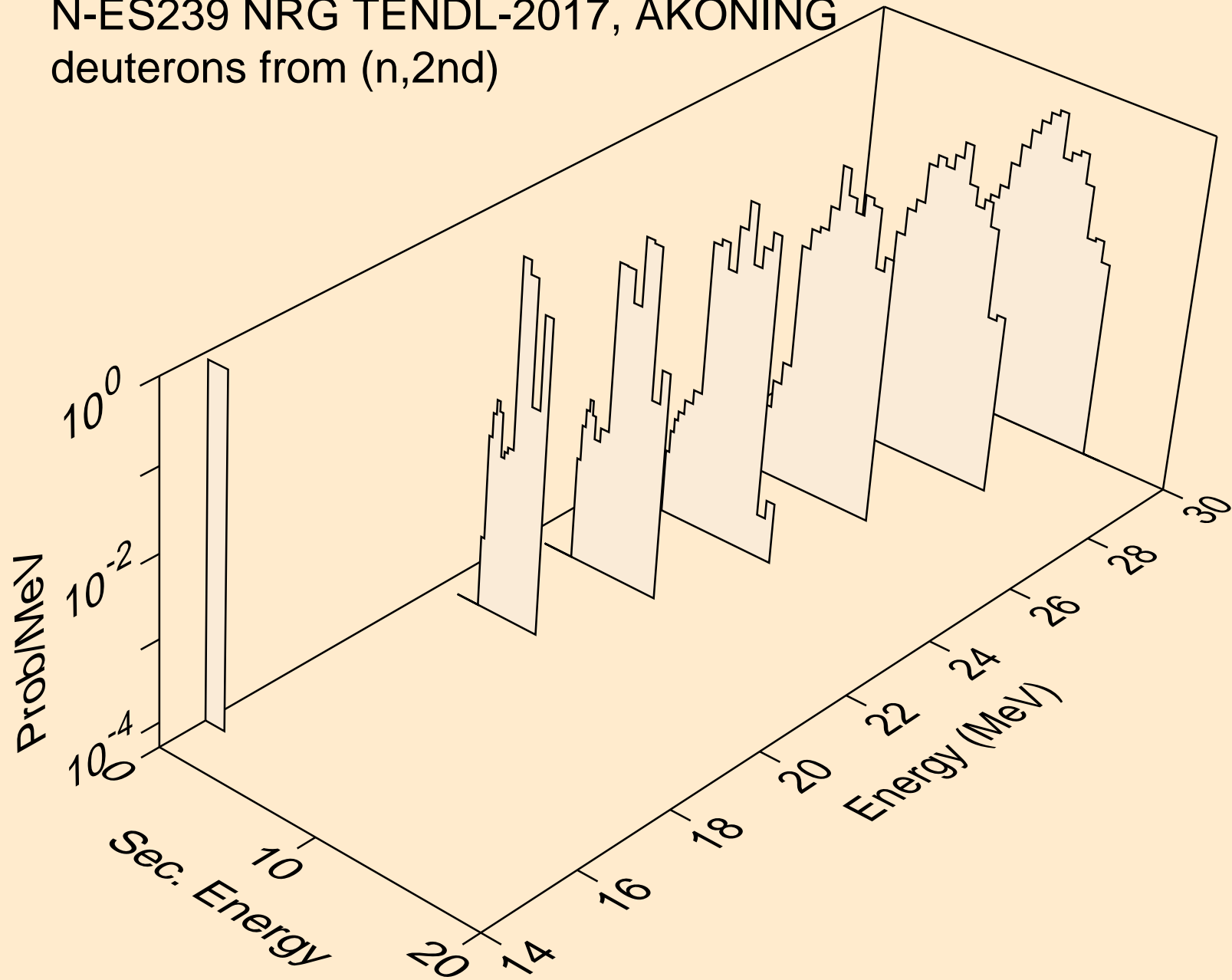
N-ES239 NRG TENDL-2017, AKONING  
protons from (n,pd)



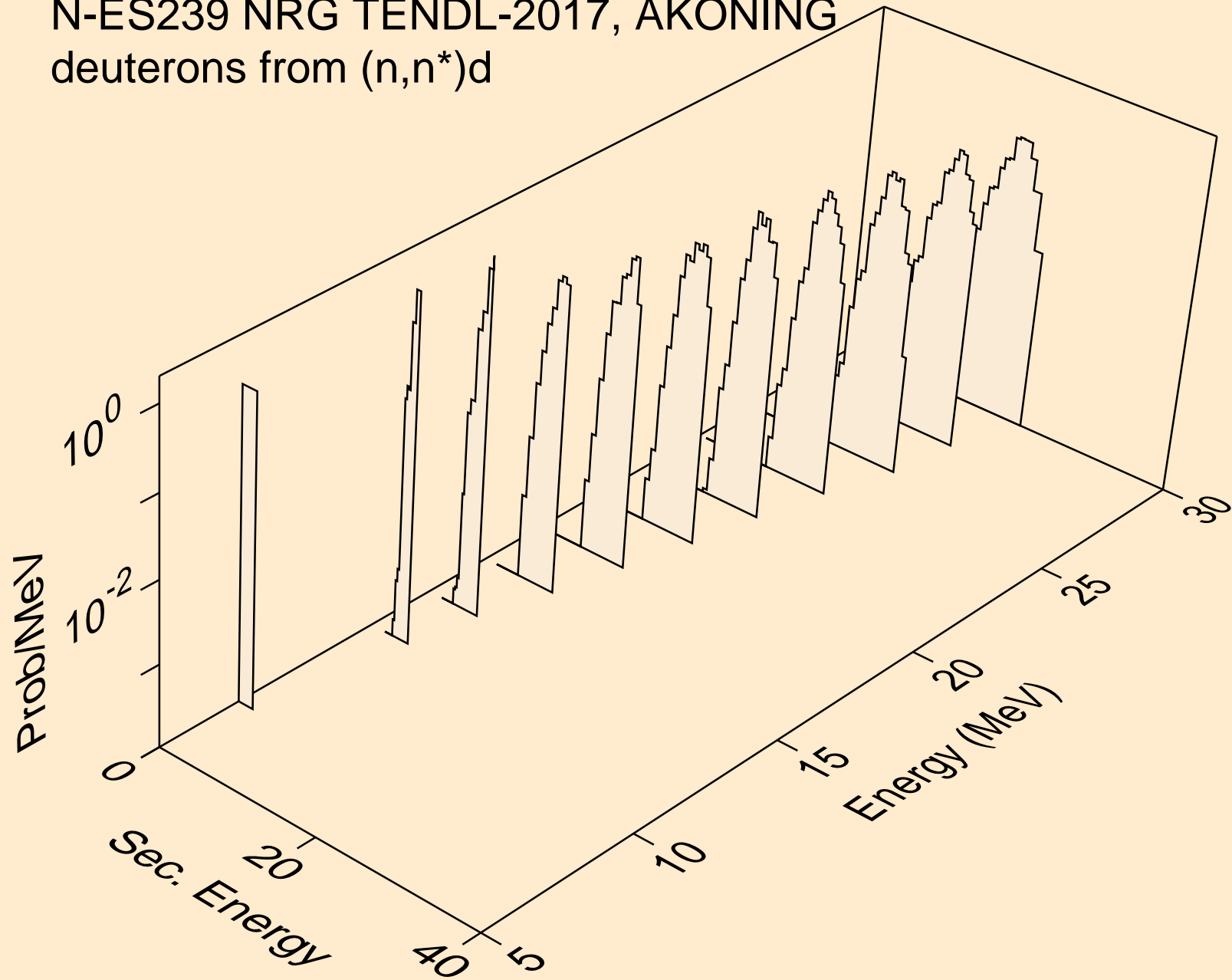
N-ES239 NRG TENDL-2017, AKONING  
deuterons from (n,x)



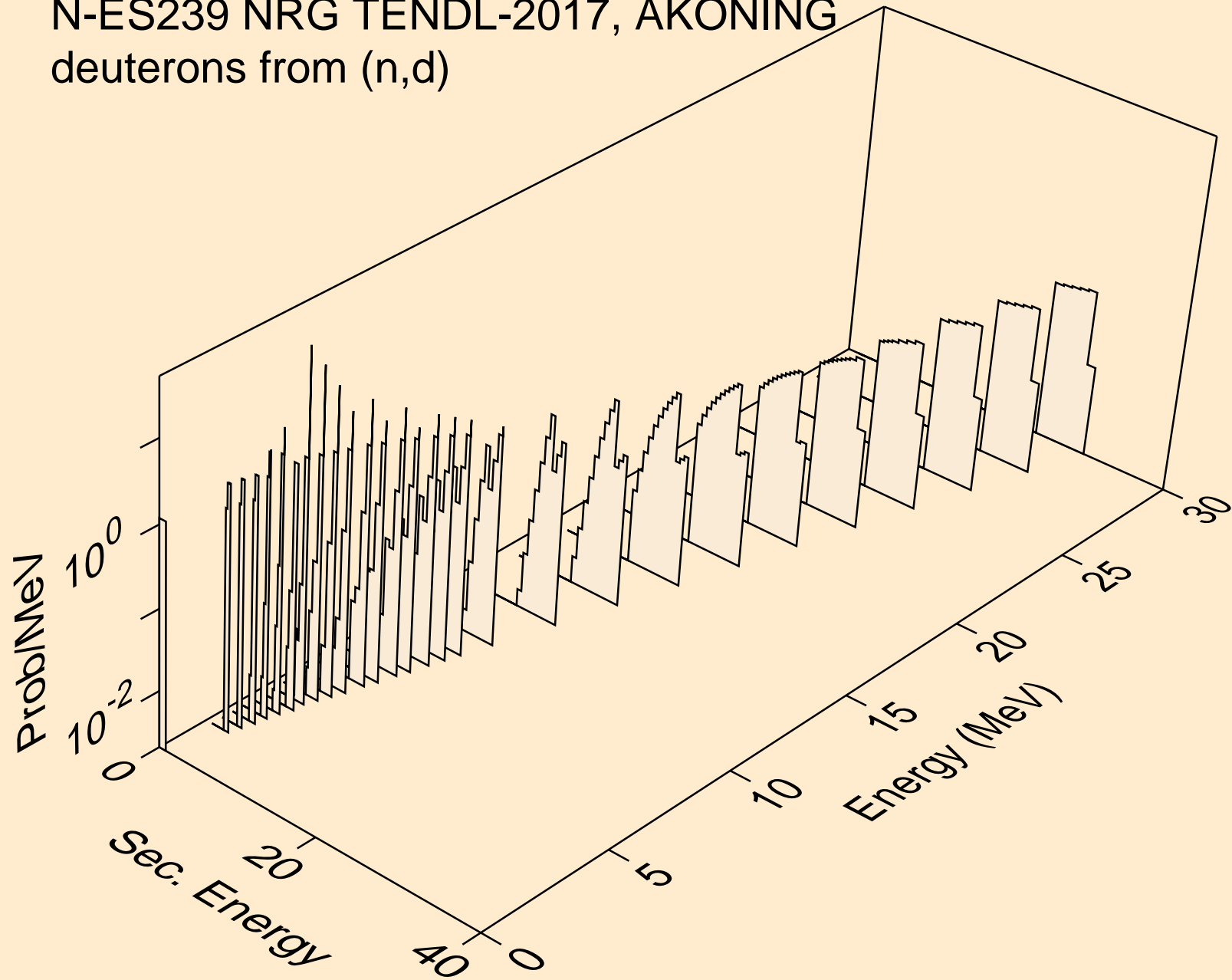
N-ES239 NRG TENDL-2017, AKONING  
deuterons from (n,2nd)



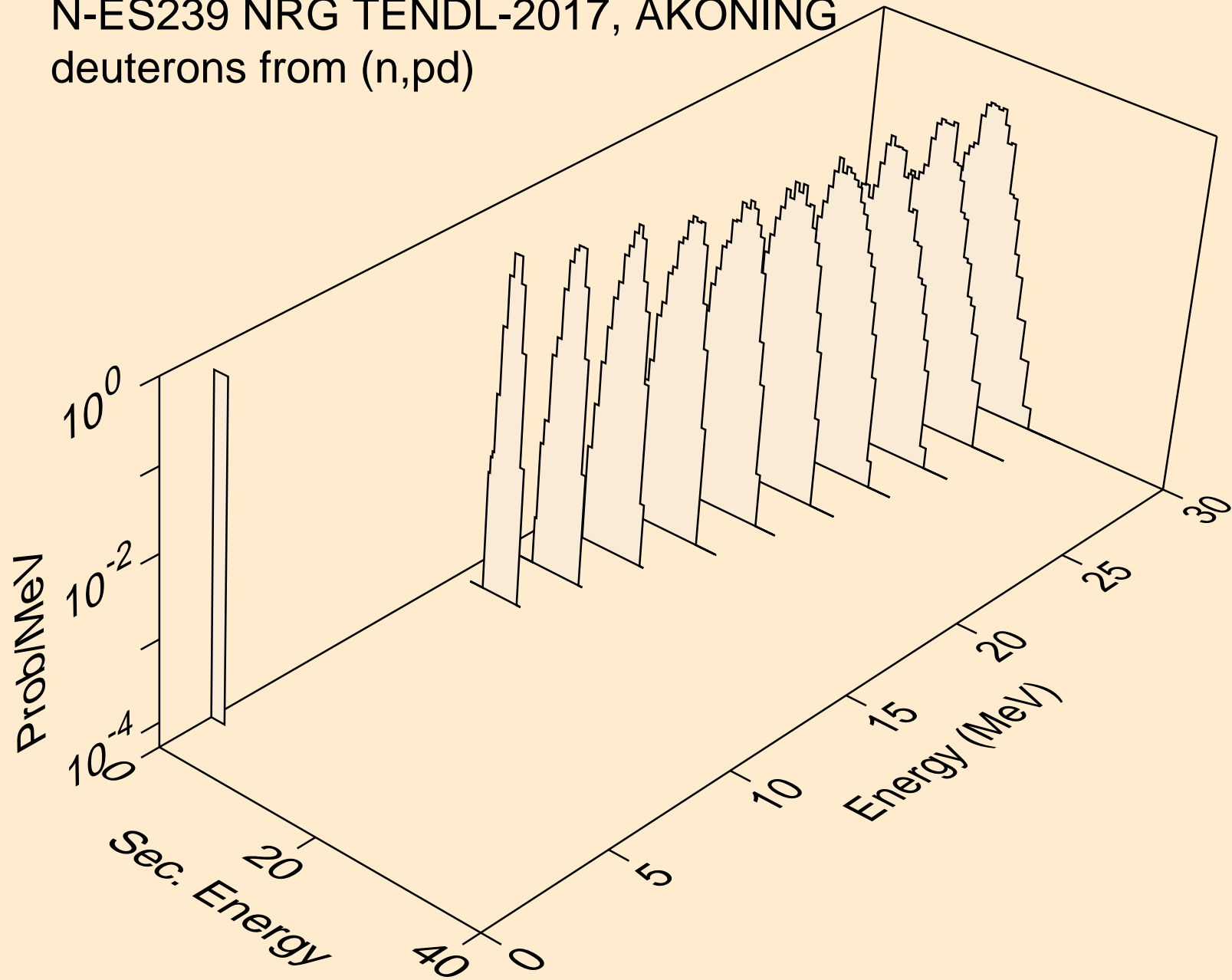
N-ES239 NRG TENDL-2017, AKONING  
deuterons from (n,n\*)d



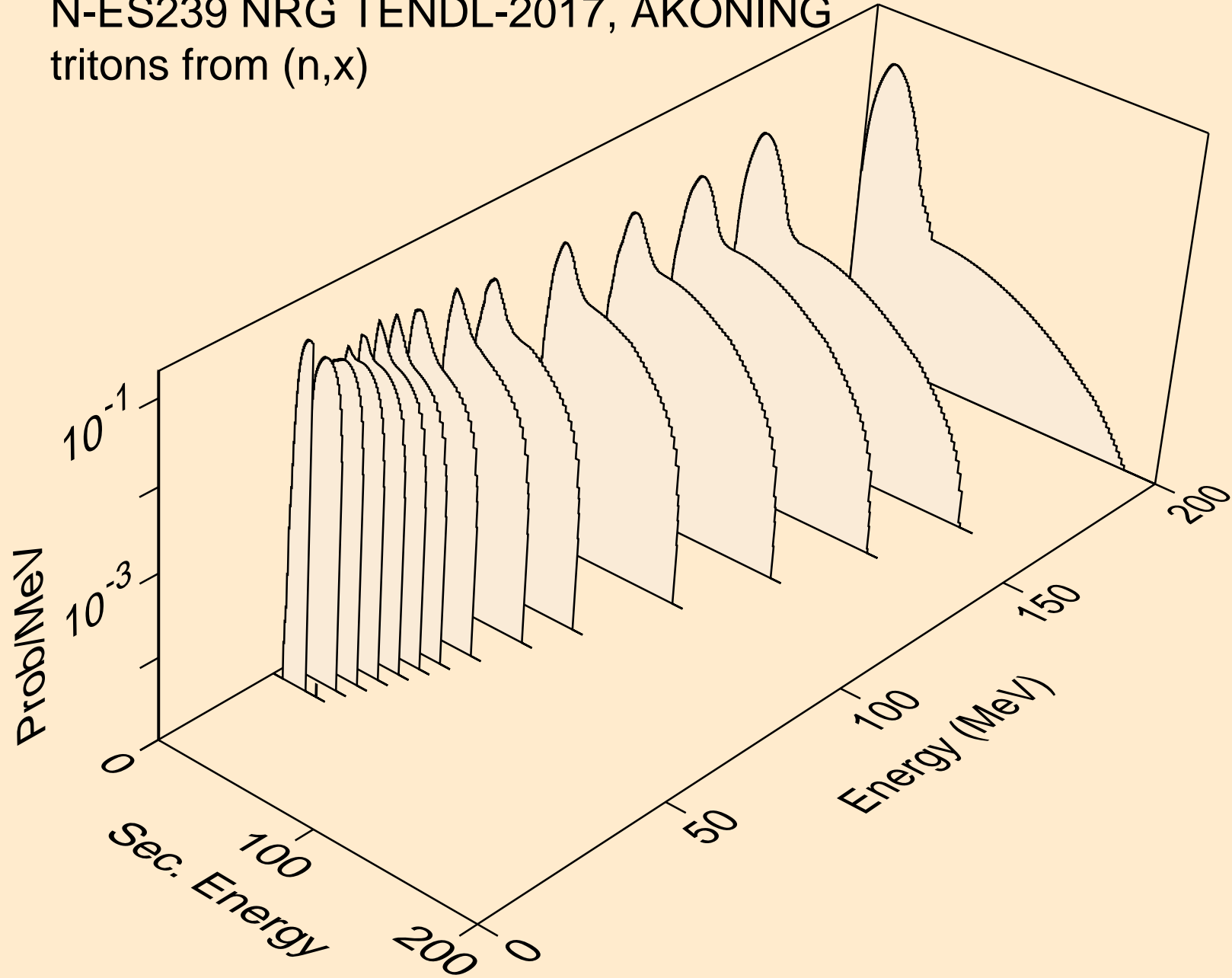
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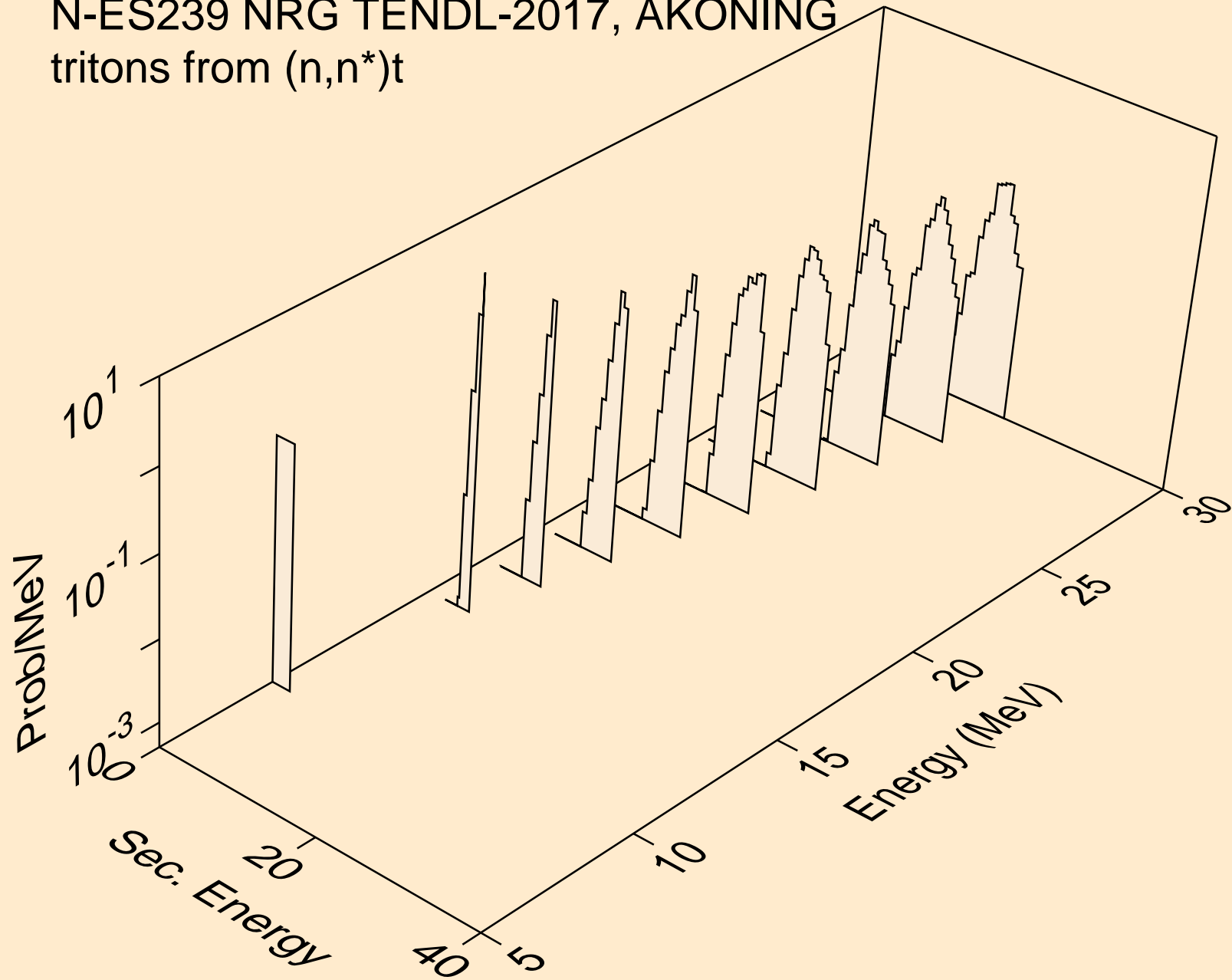
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deuterons from (n,pd)



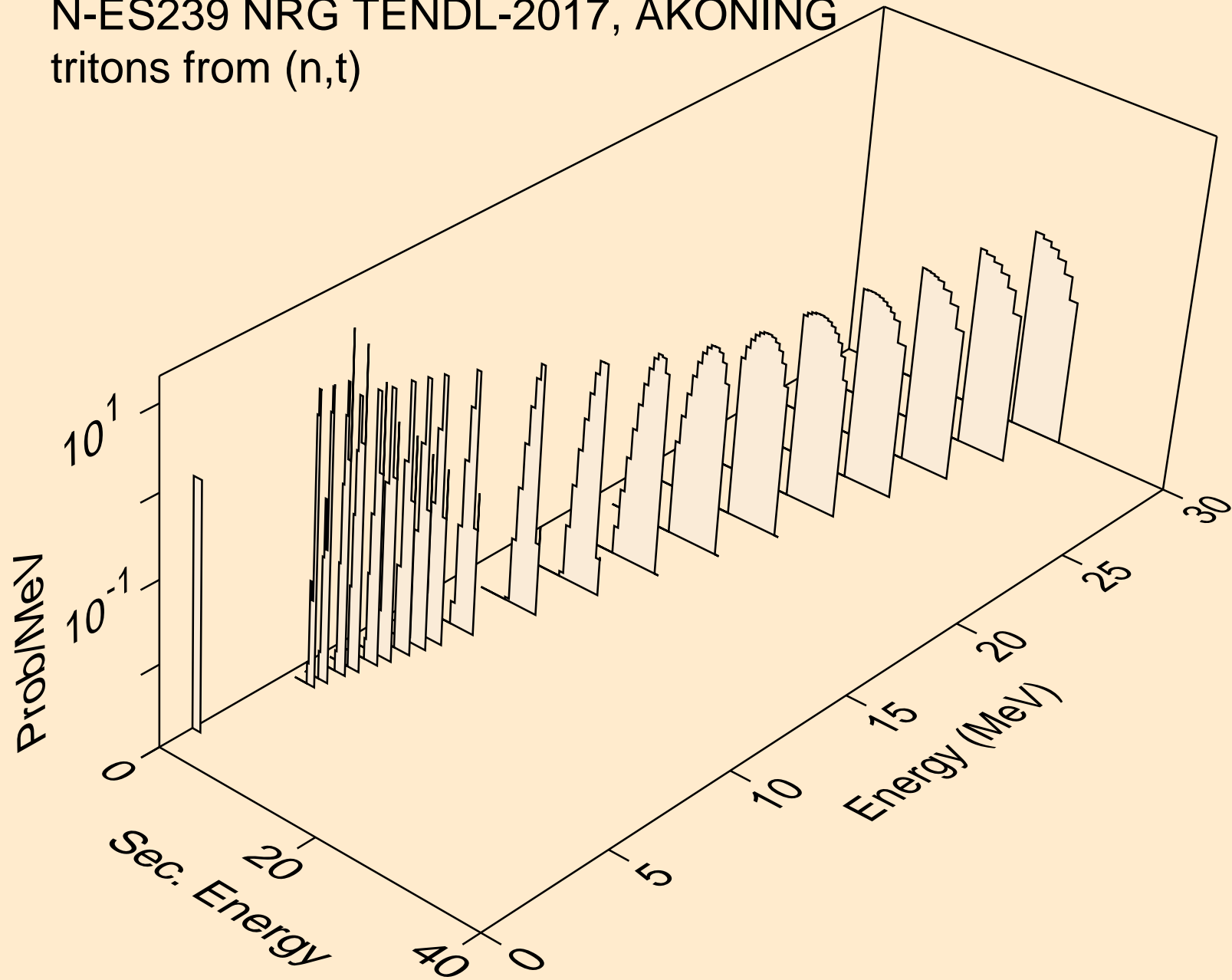
N-ES239 NRG TENDL-2017, AKONING  
tritons from (n,x)



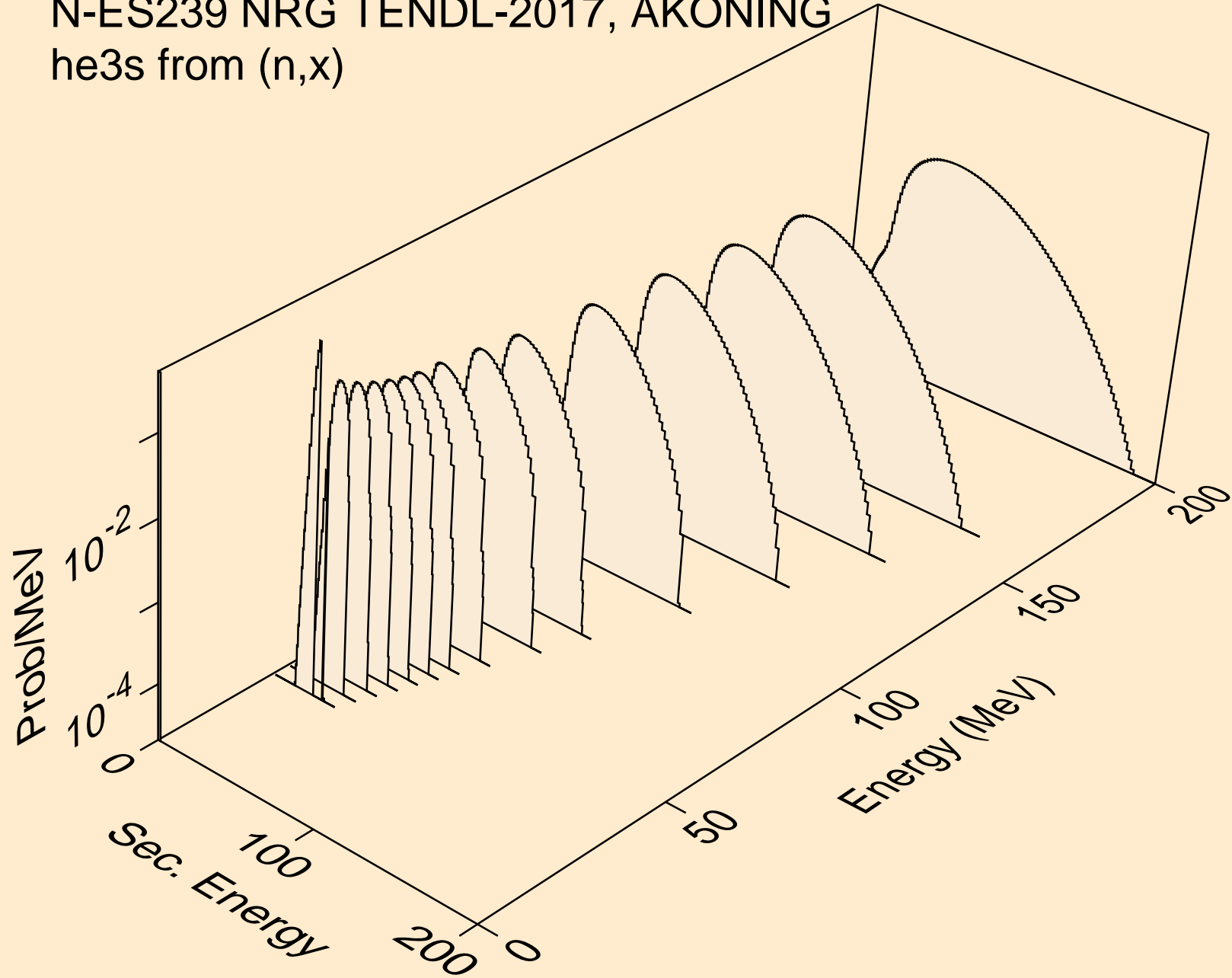
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tritons from (n,n\*)t



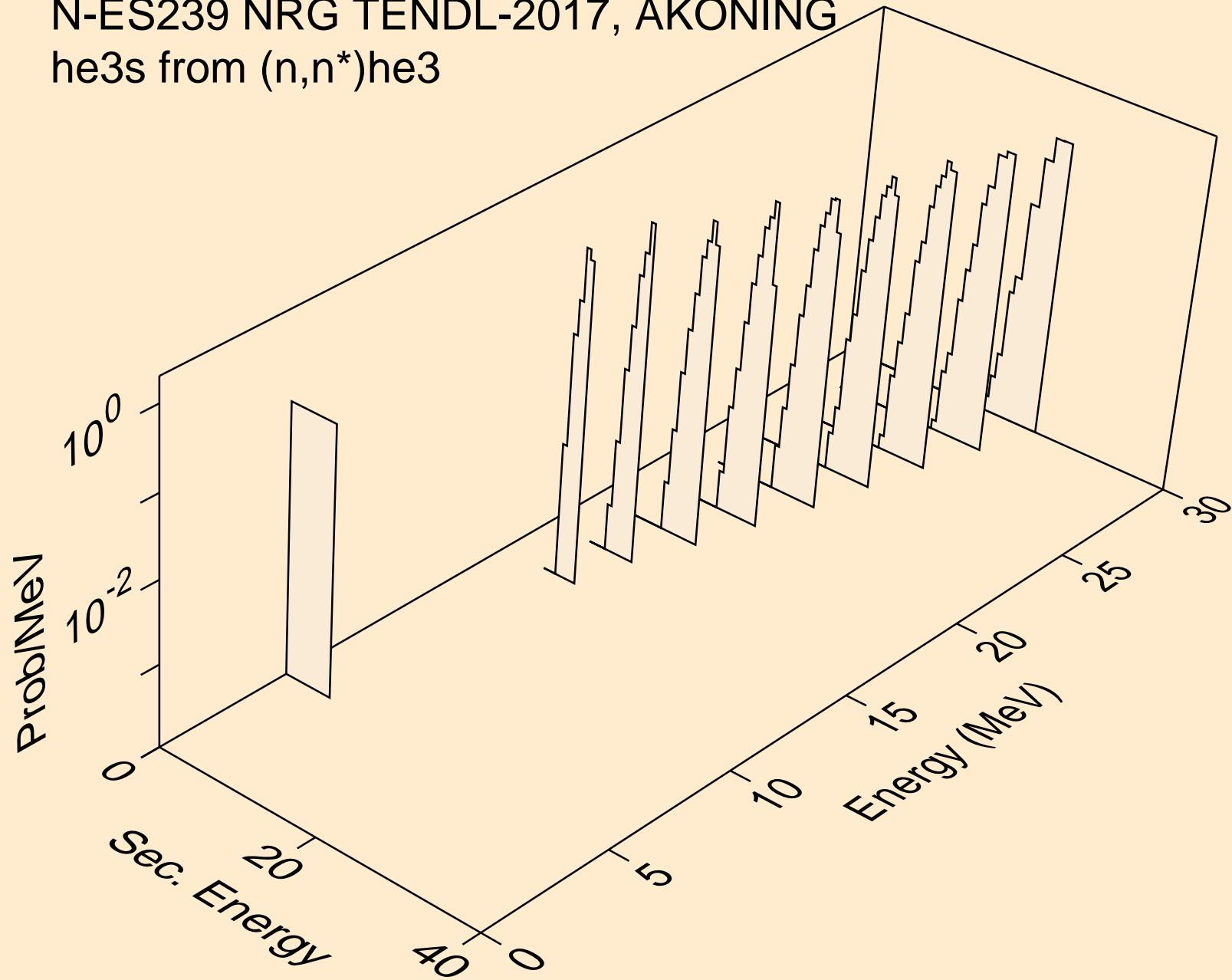
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tritons from (n,t)



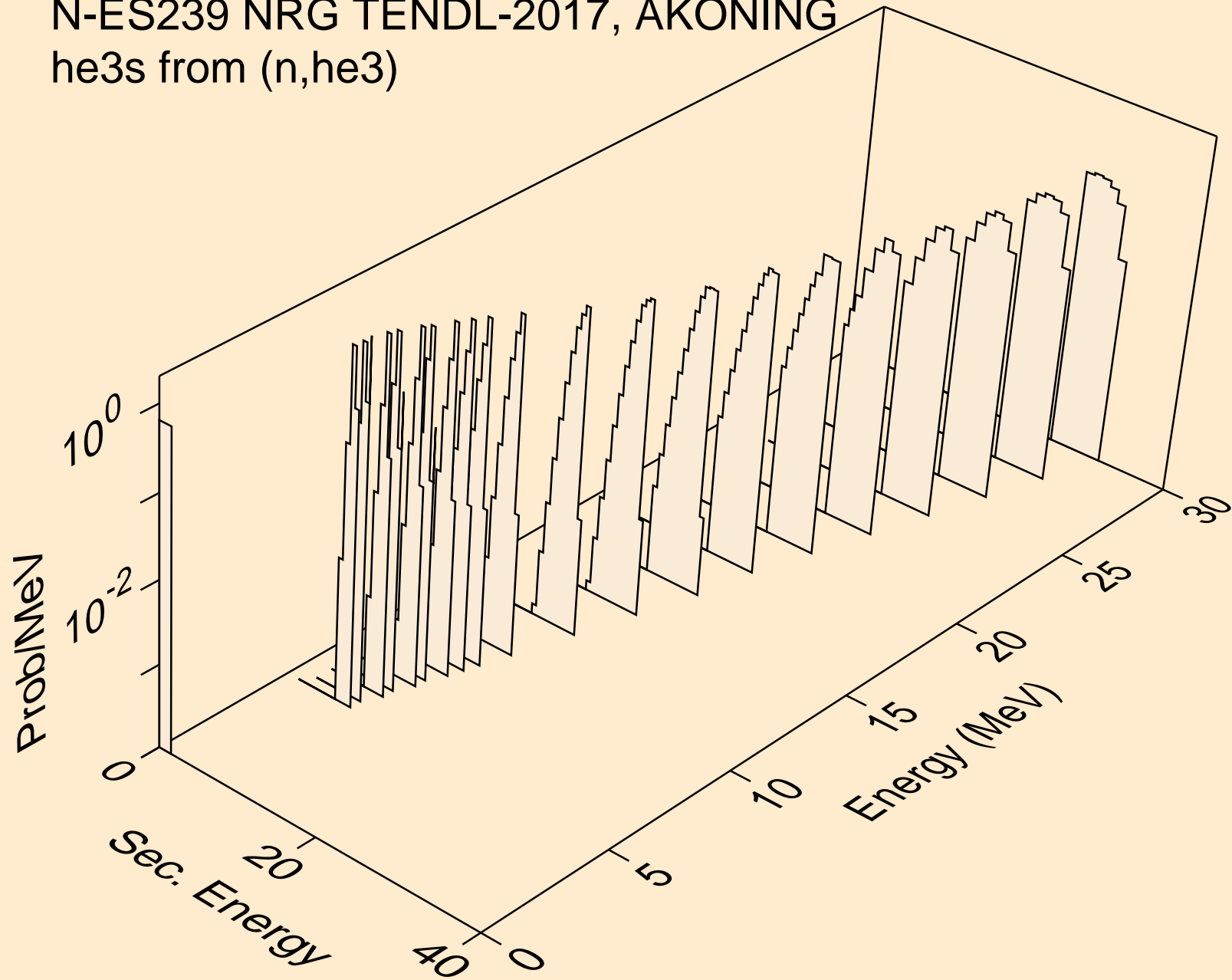
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he3s from (n,x)



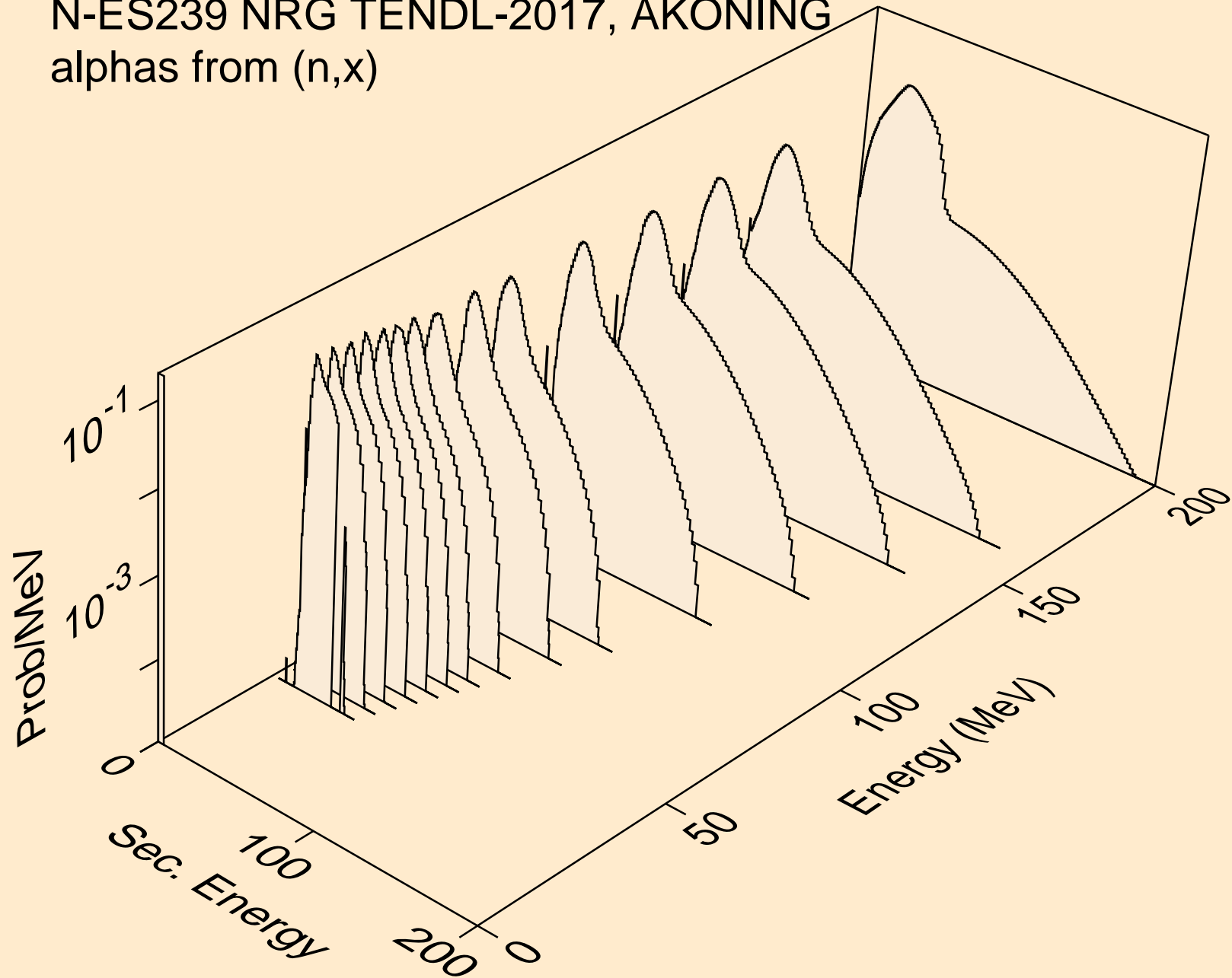
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he3s from (n,n\*)he3



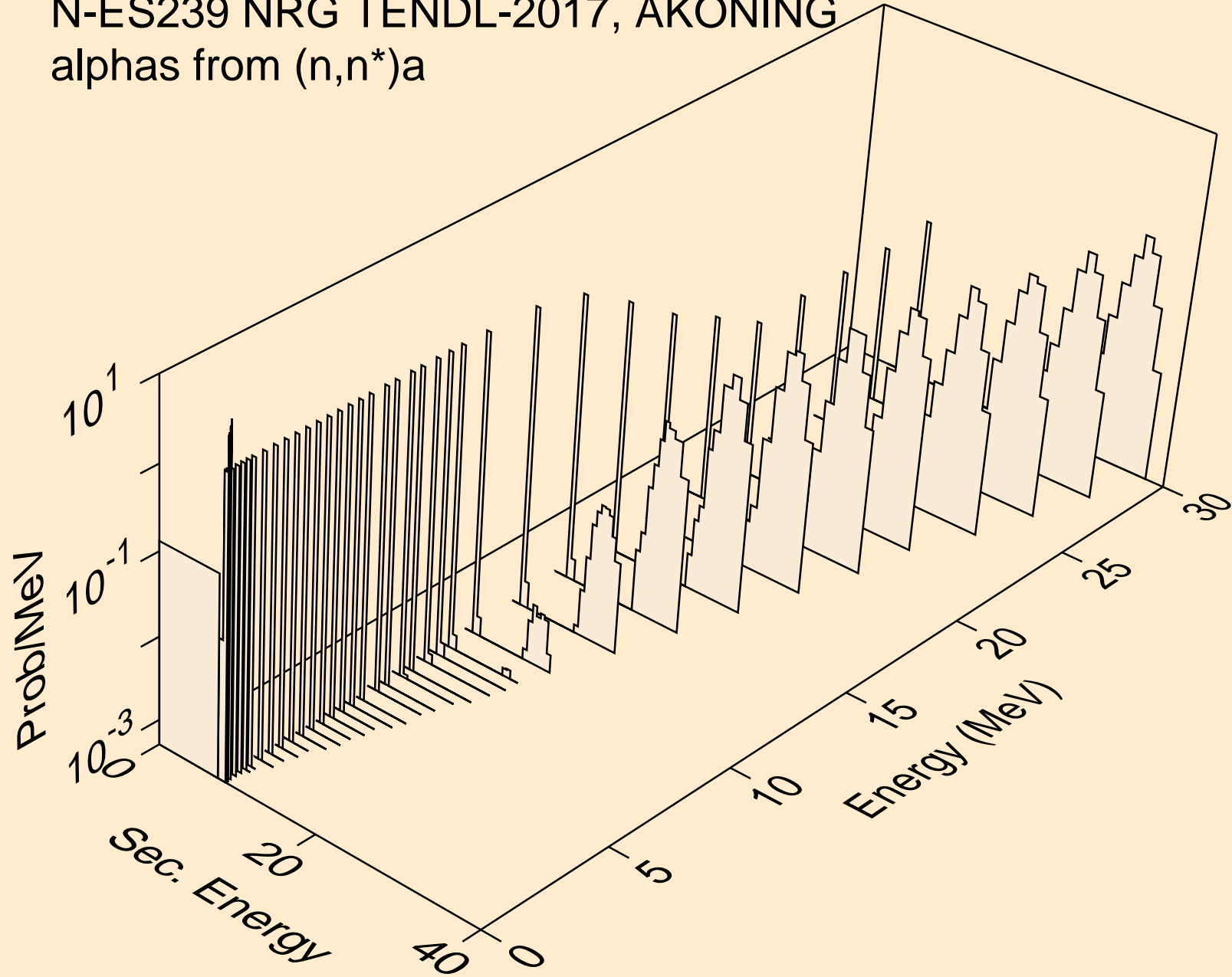
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he3s from (n,he3)



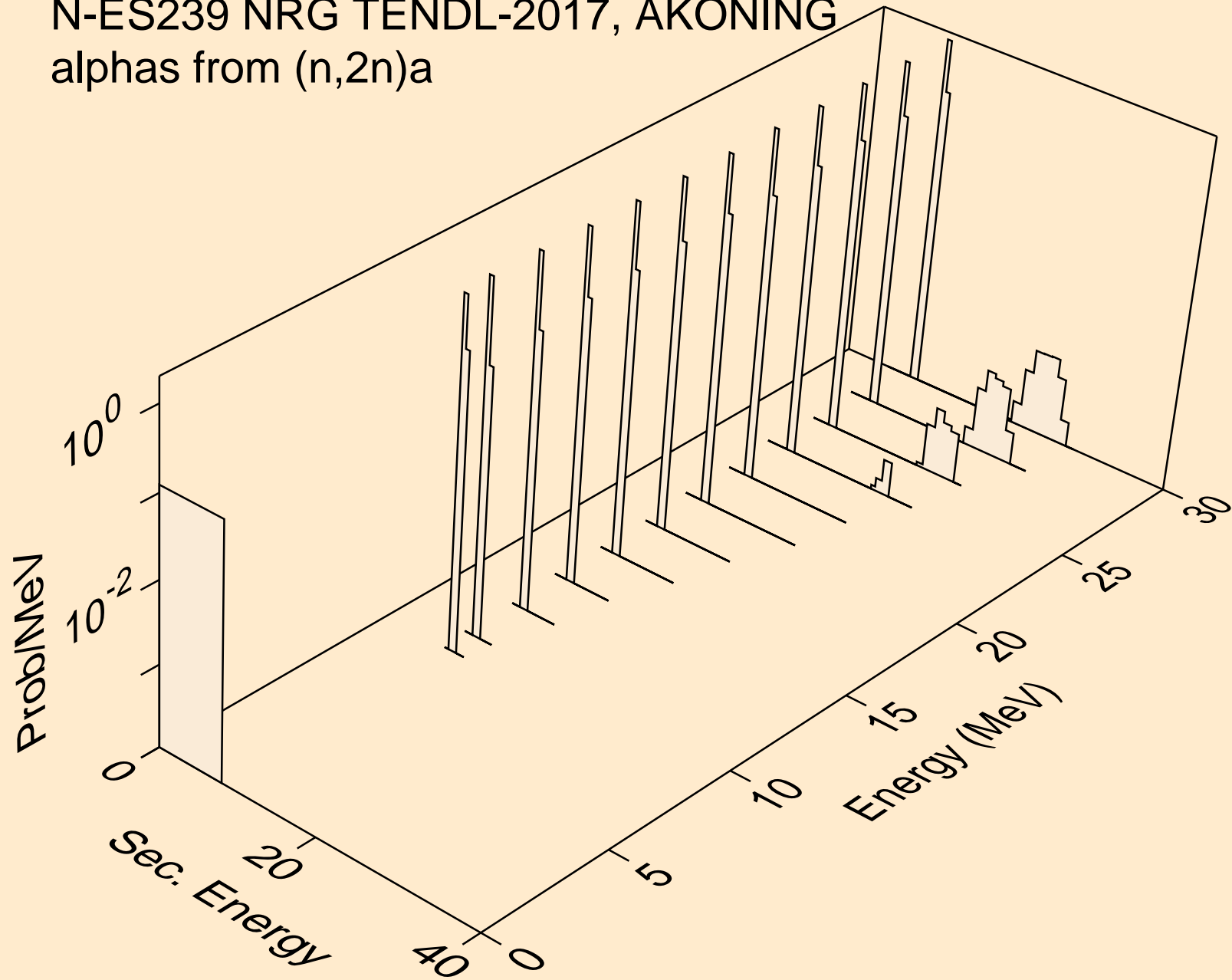
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alphas from (n,x)



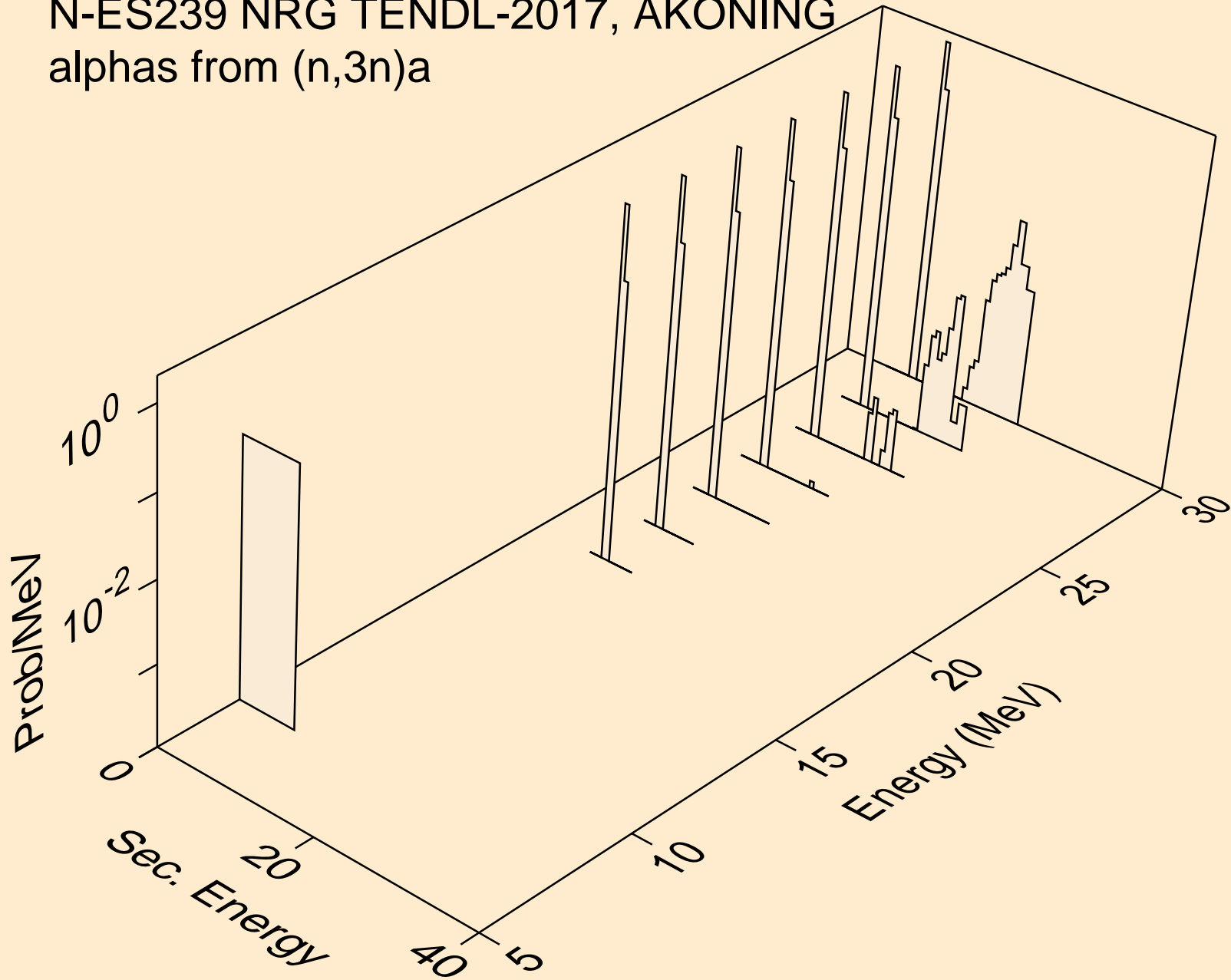
N-ES239 NRG TENDL-2017, AKONING  
alphas from (n,n\*)a



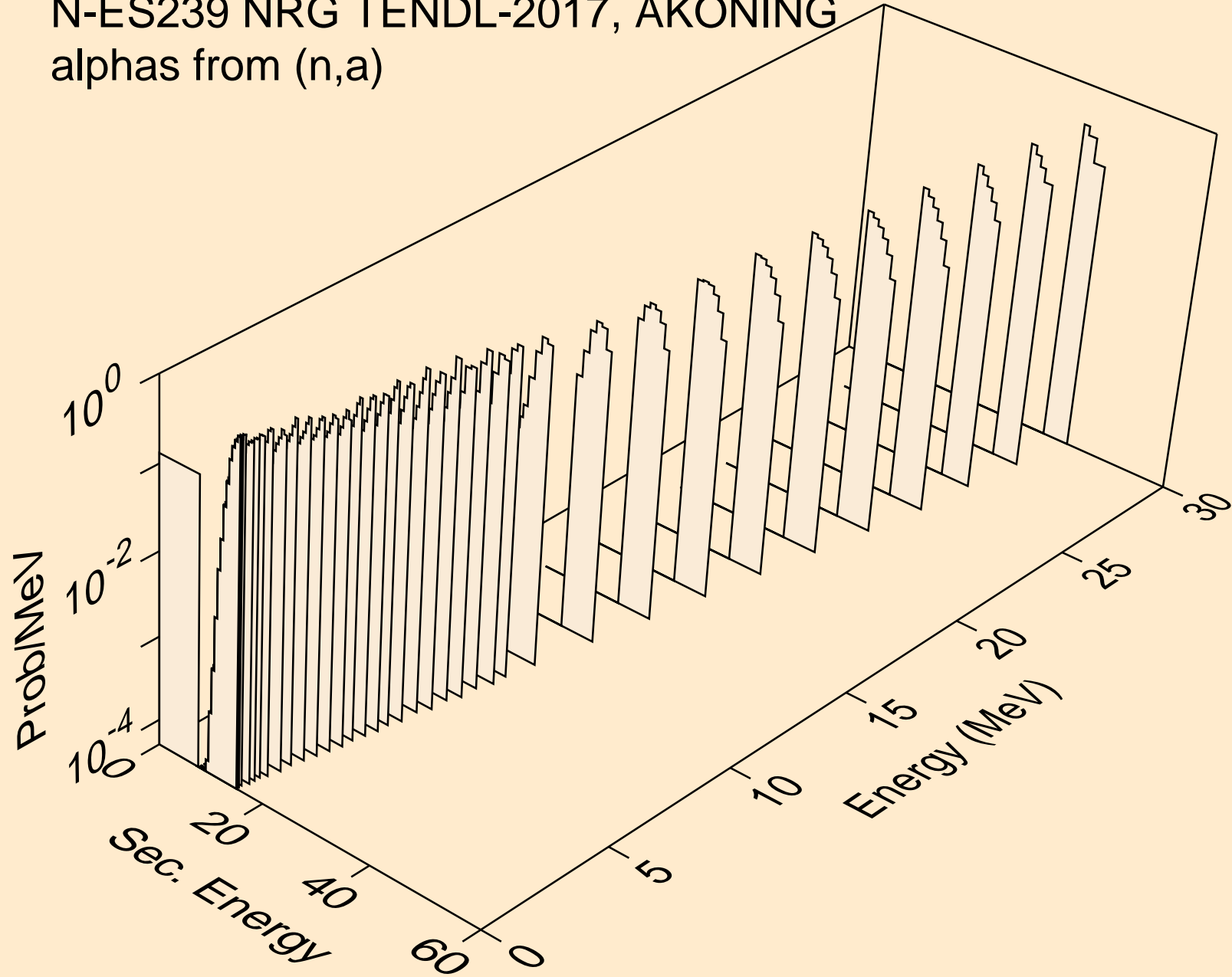
N-ES239 NRG TENDL-2017, AKONING  
alphas from (n,2n)a



N-ES239 NRG TENDL-2017, AKONING  
alphas from (n,3n)a



N-ES239 NRG TENDL-2017, AKONING  
alphas from (n,a)



N-ES239 NRG TENDL-2017, AKONING  
alphas from (n,2a)

