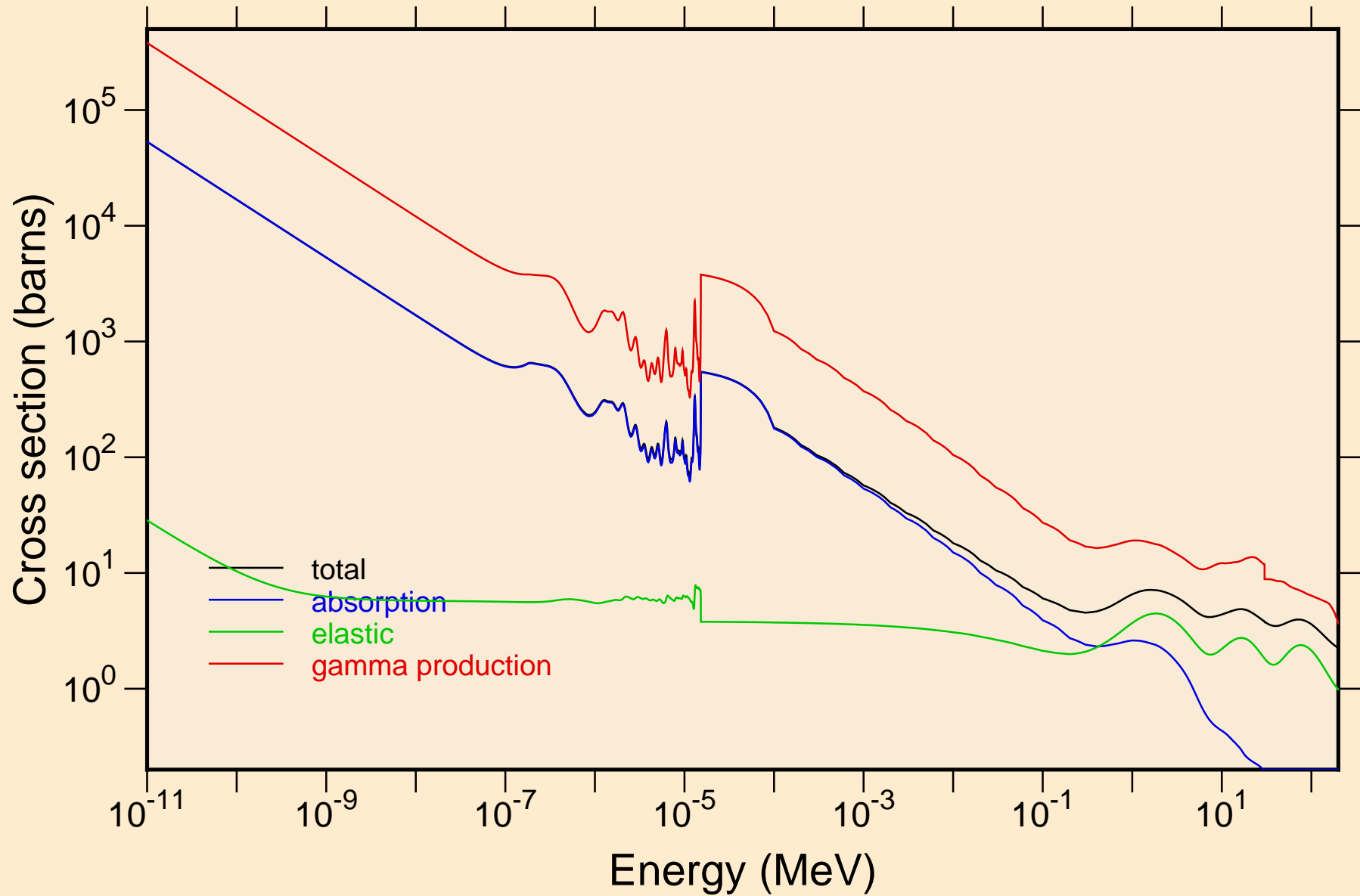


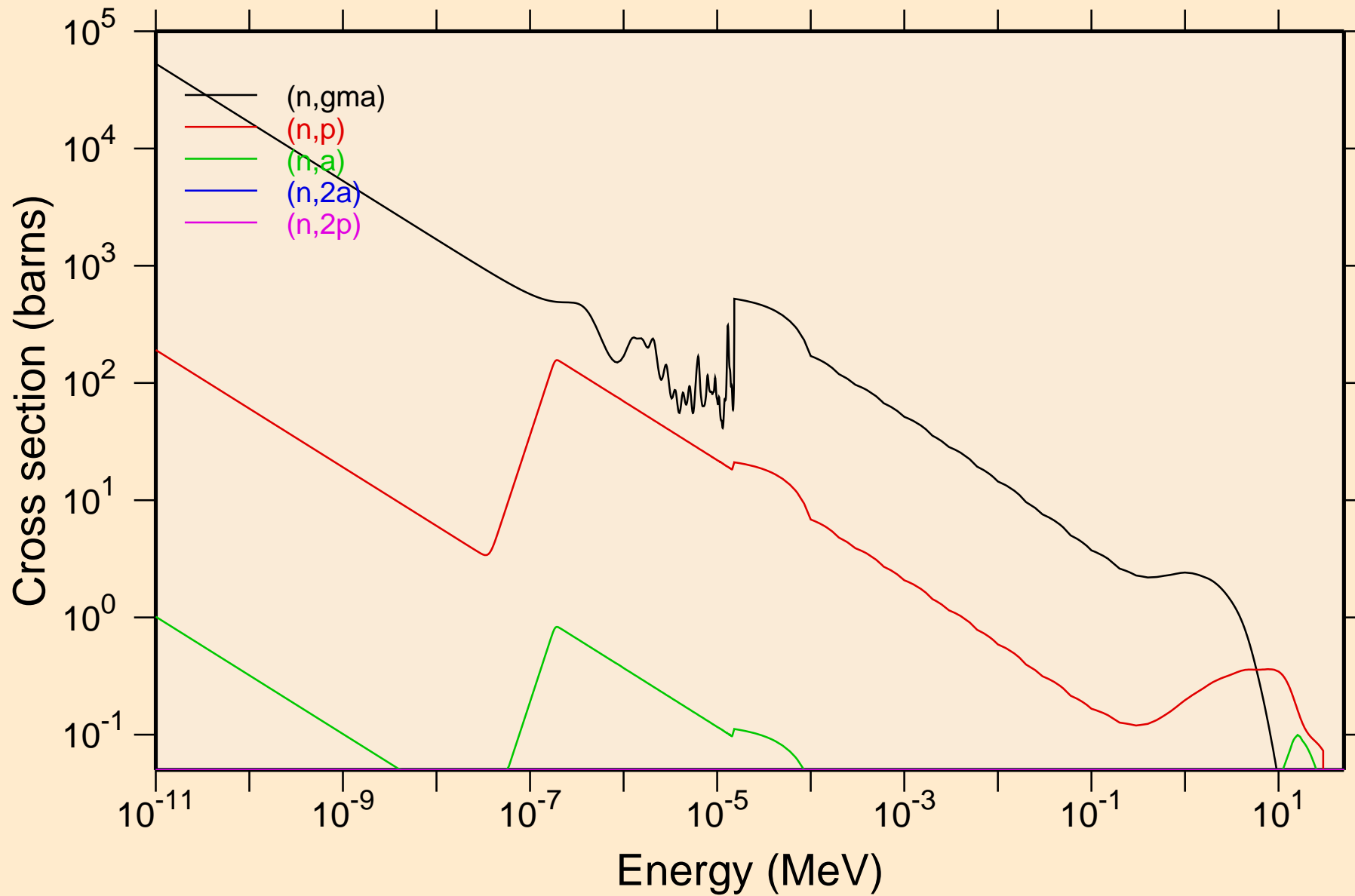
N-SM139M NRG TENDL-2017, AKONING

Principal cross sections

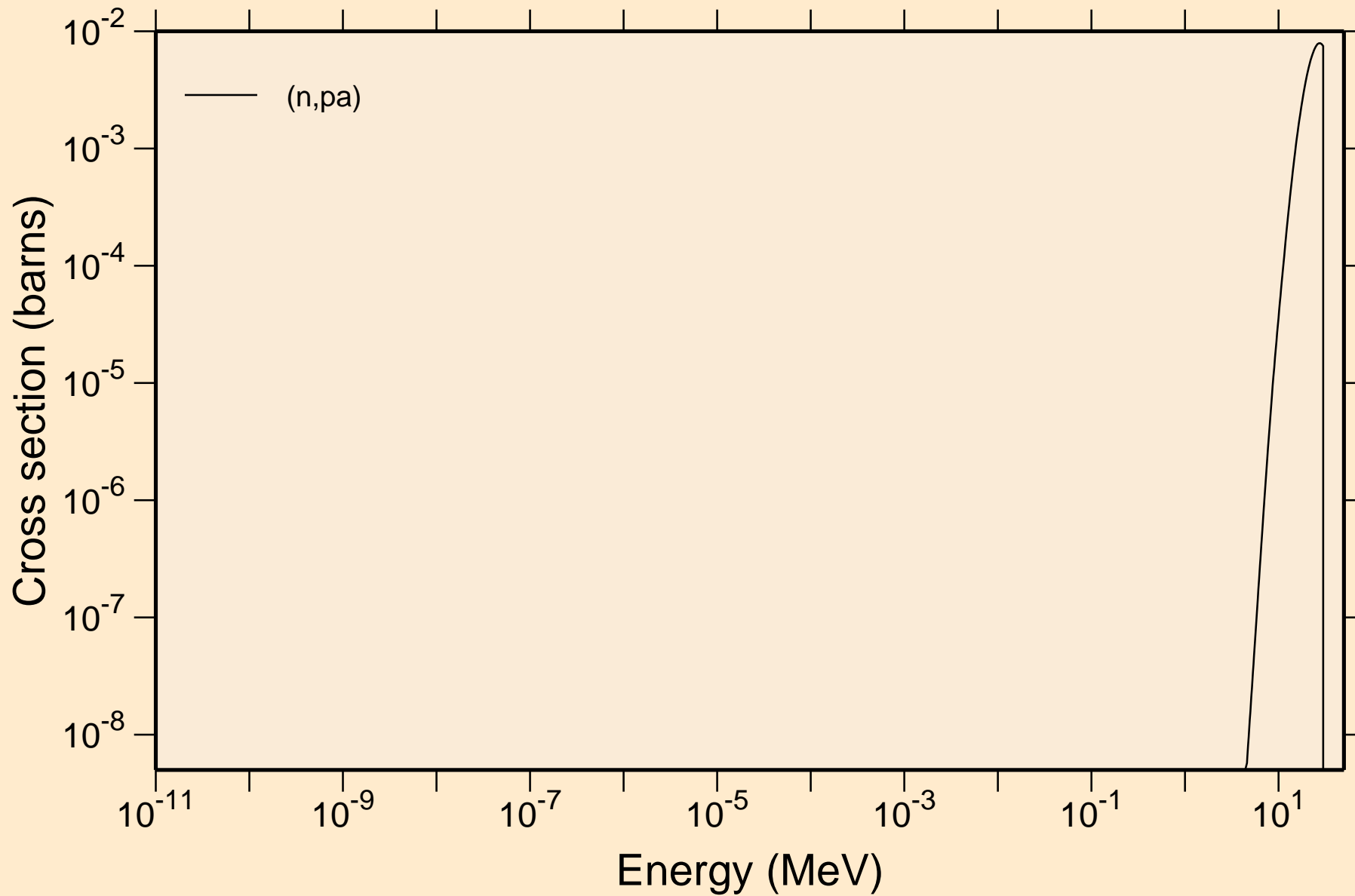


N-SM139M NRG TENDL-2017, AKONING

Non-threshold reactions

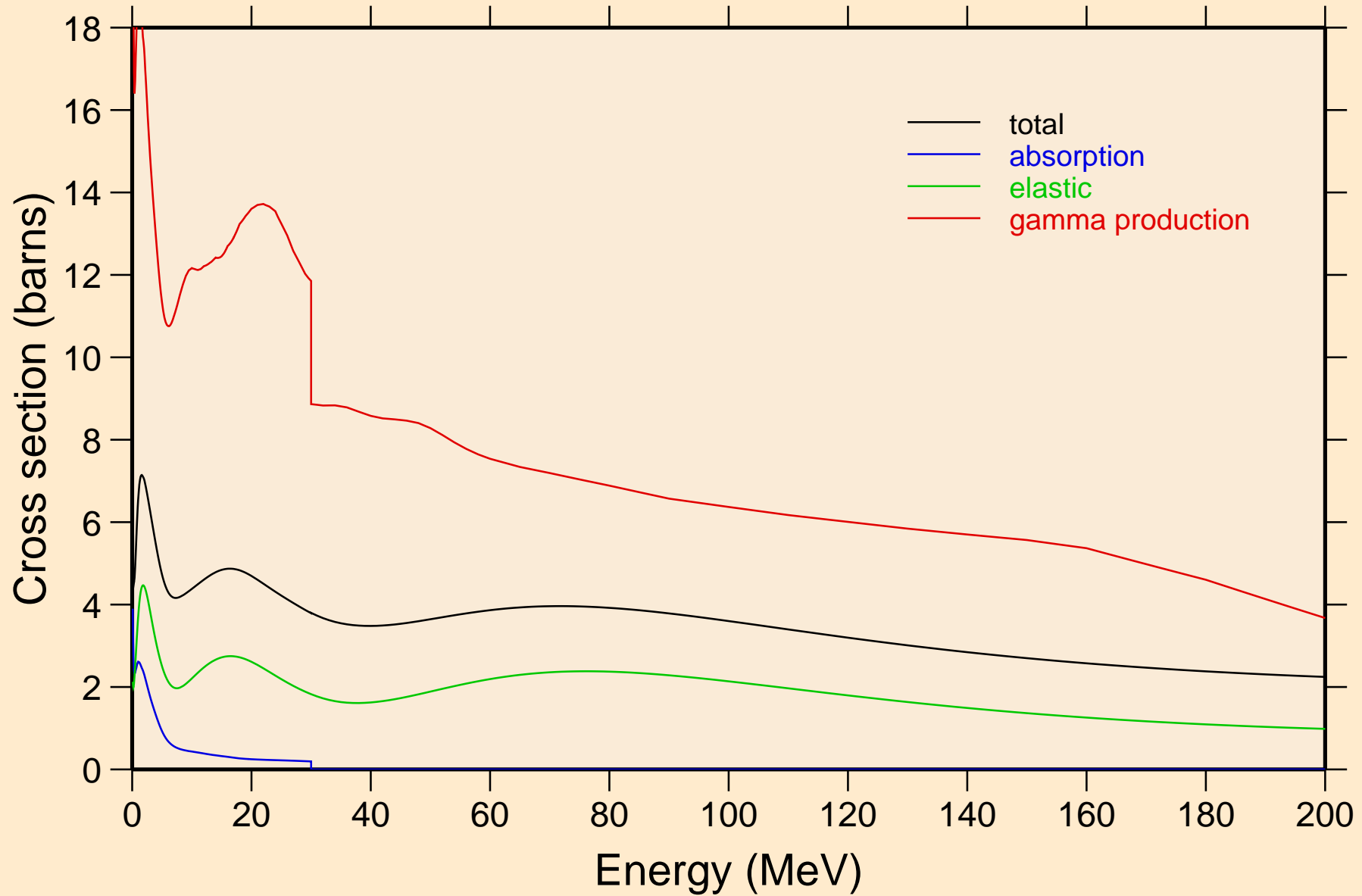


N-SM139M NRG TENDL-2017, AKONING
Non-threshold reactions



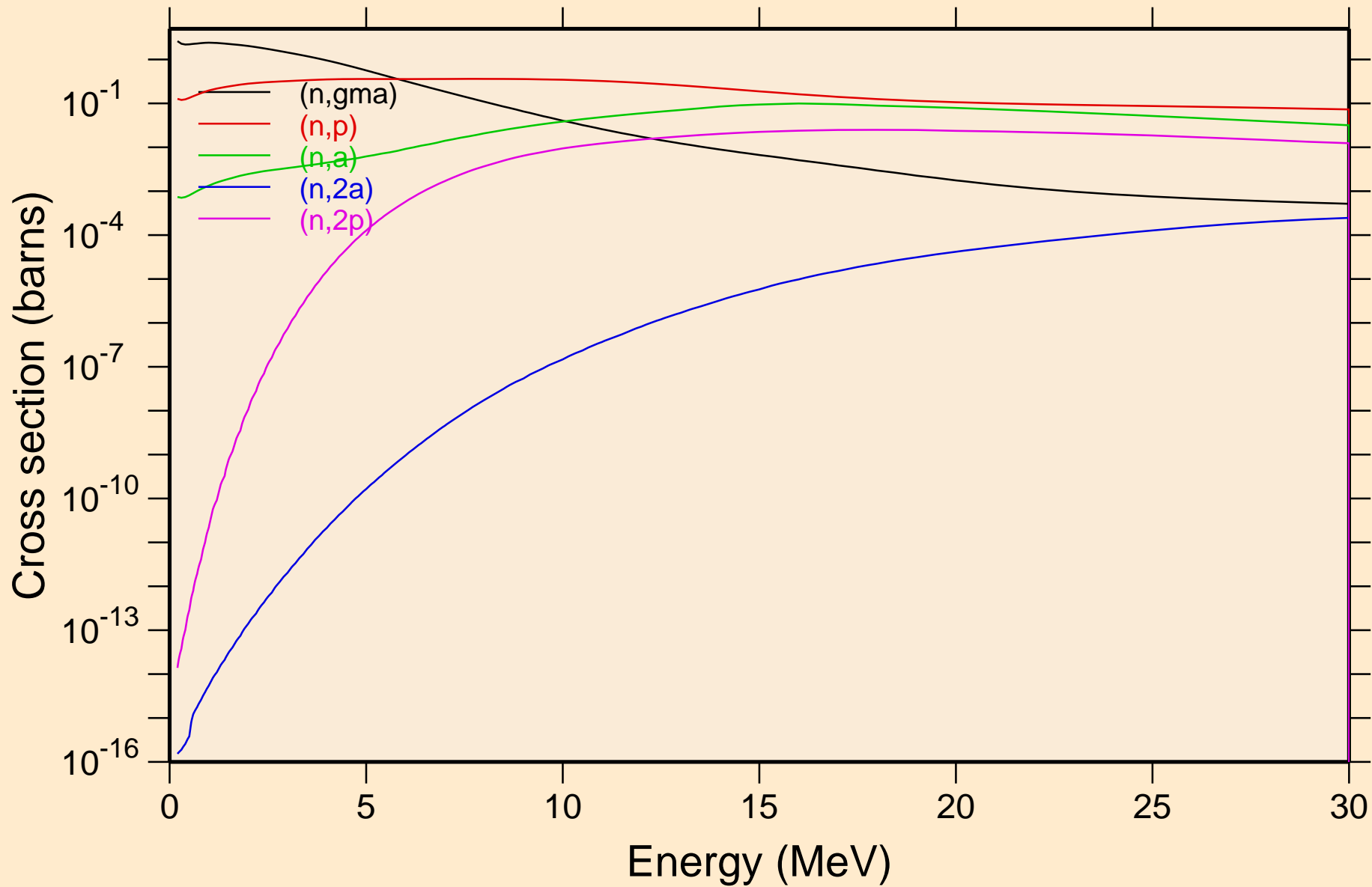
N-SM139M NRG TENDL-2017, AKONING

Principal cross sections



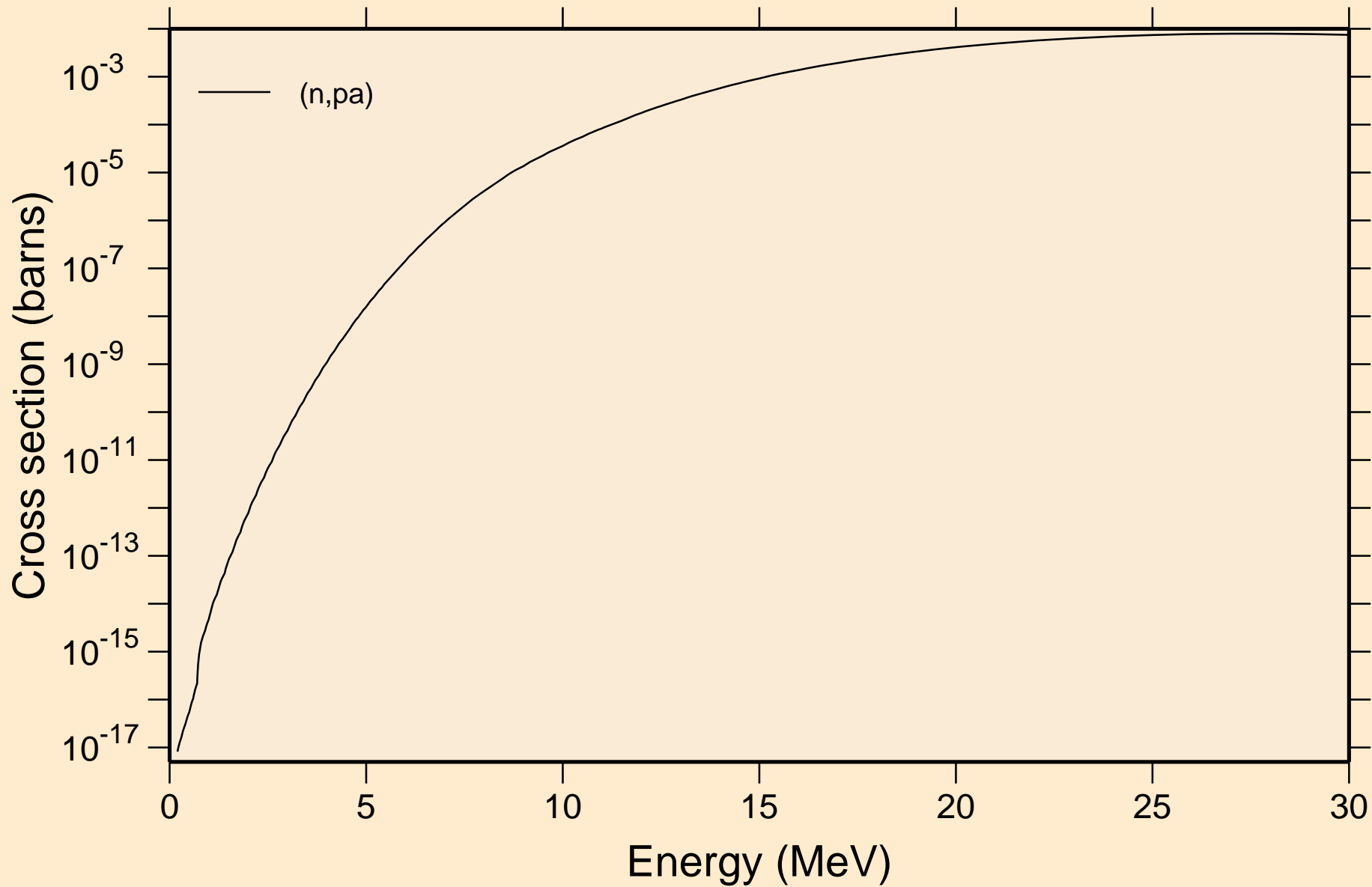
N-SM139M NRG TENDL-2017, AKONING

Non-threshold reactions



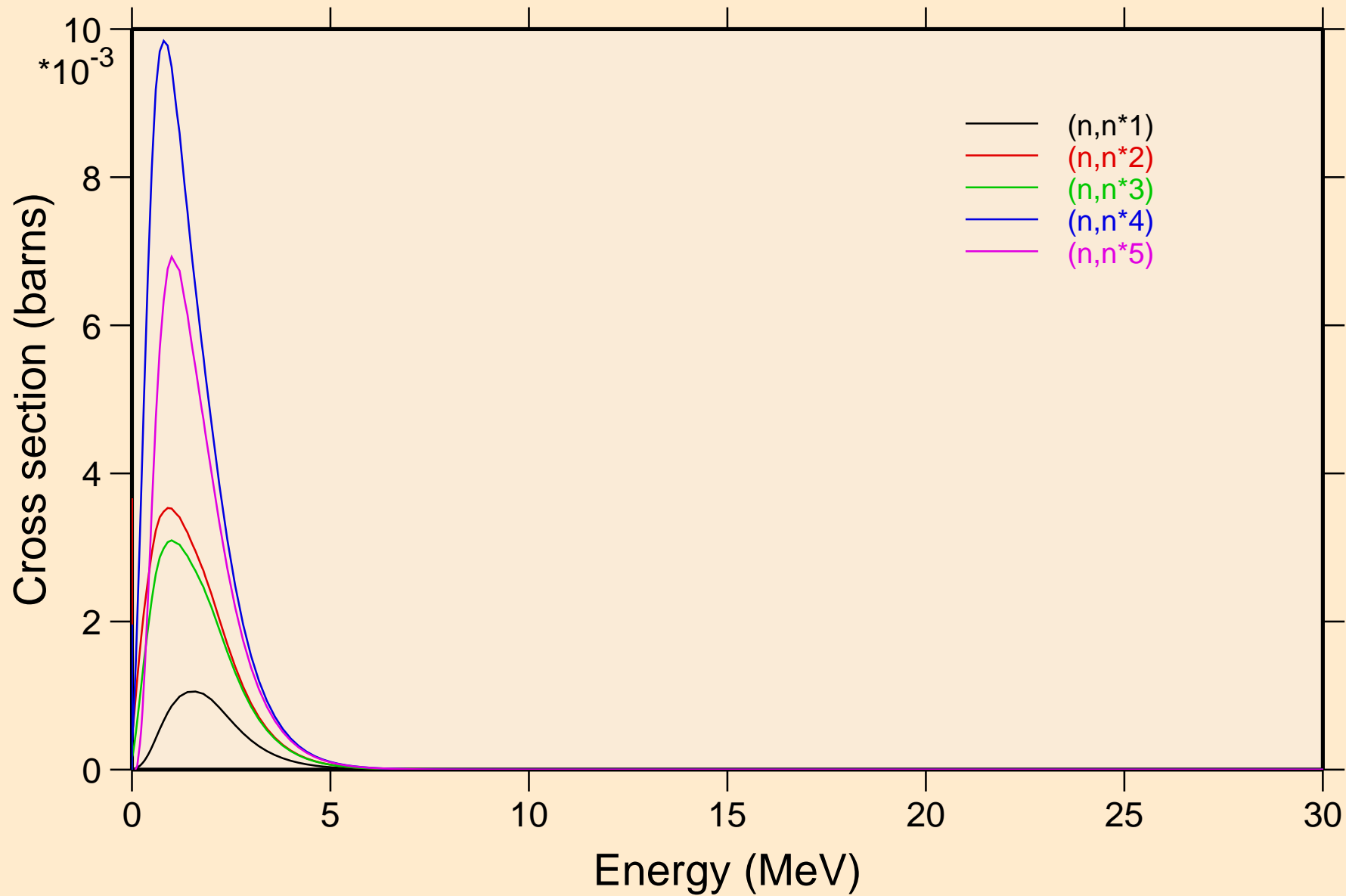
N-SM139M NRG TENDL-2017, AKONING

Non-threshold reactions



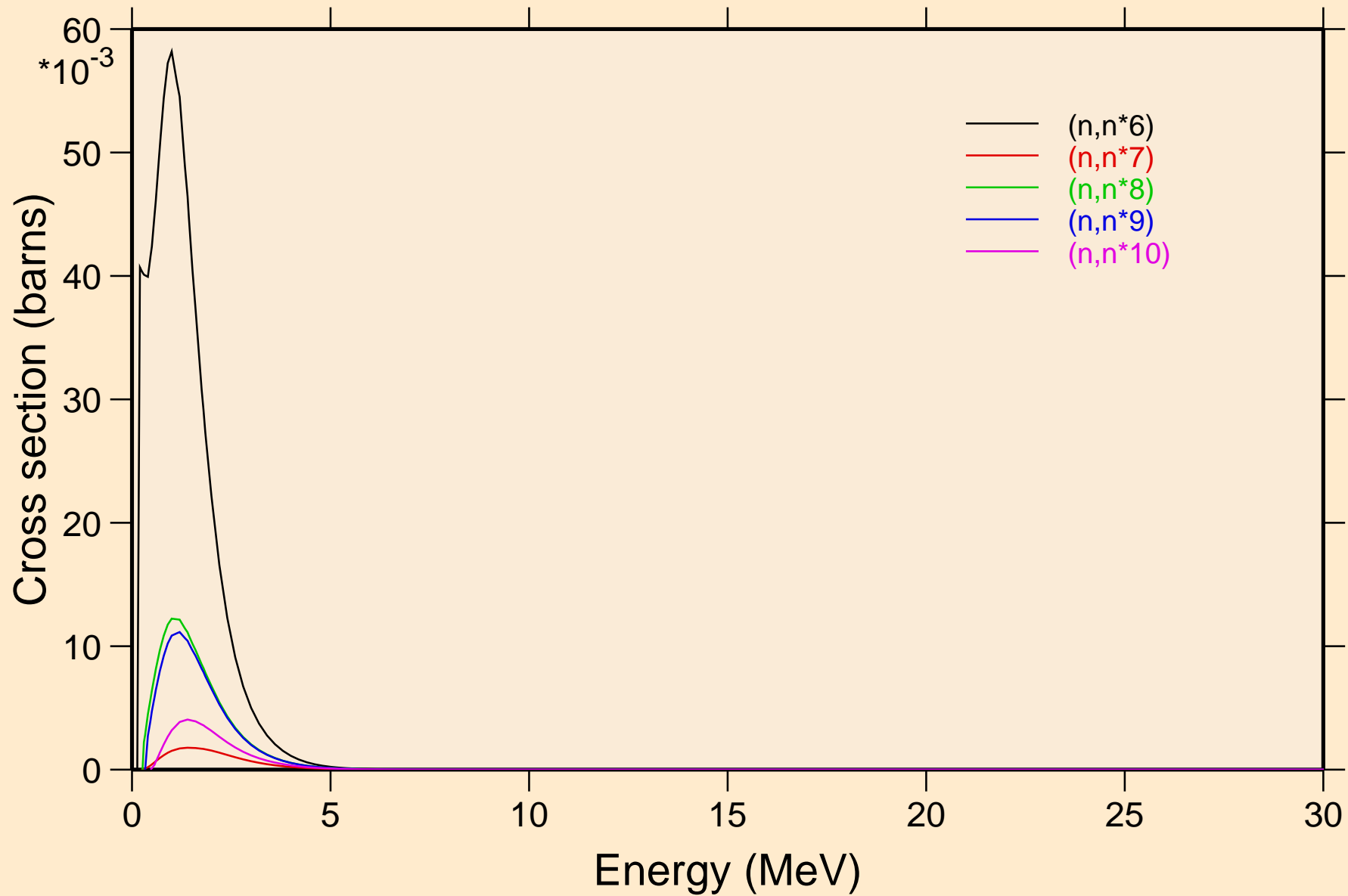
N-SM139M NRG TENDL-2017, AKONING

Inelastic levels



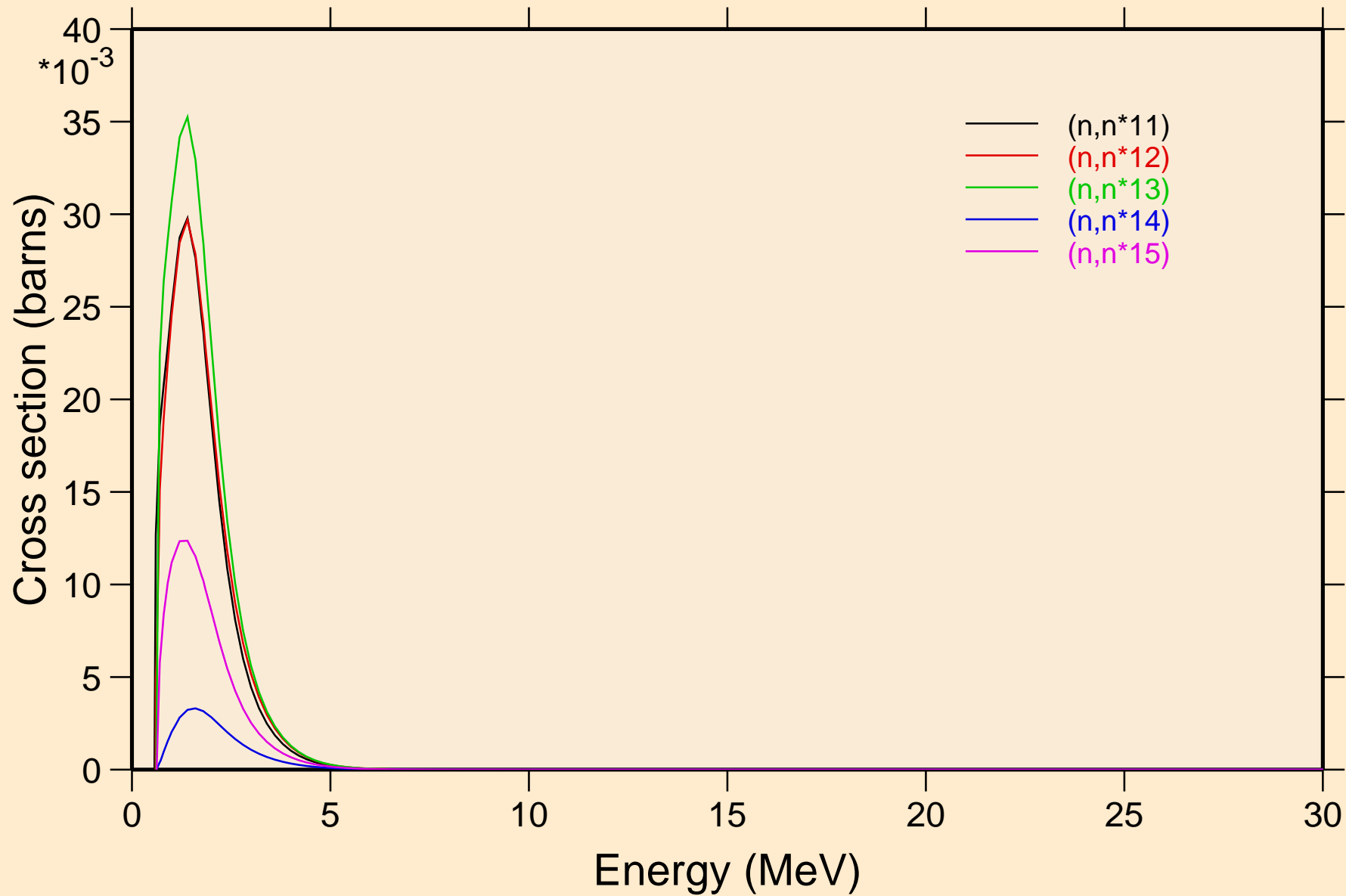
N-SM139M NRG TENDL-2017, AKONING

Inelastic levels



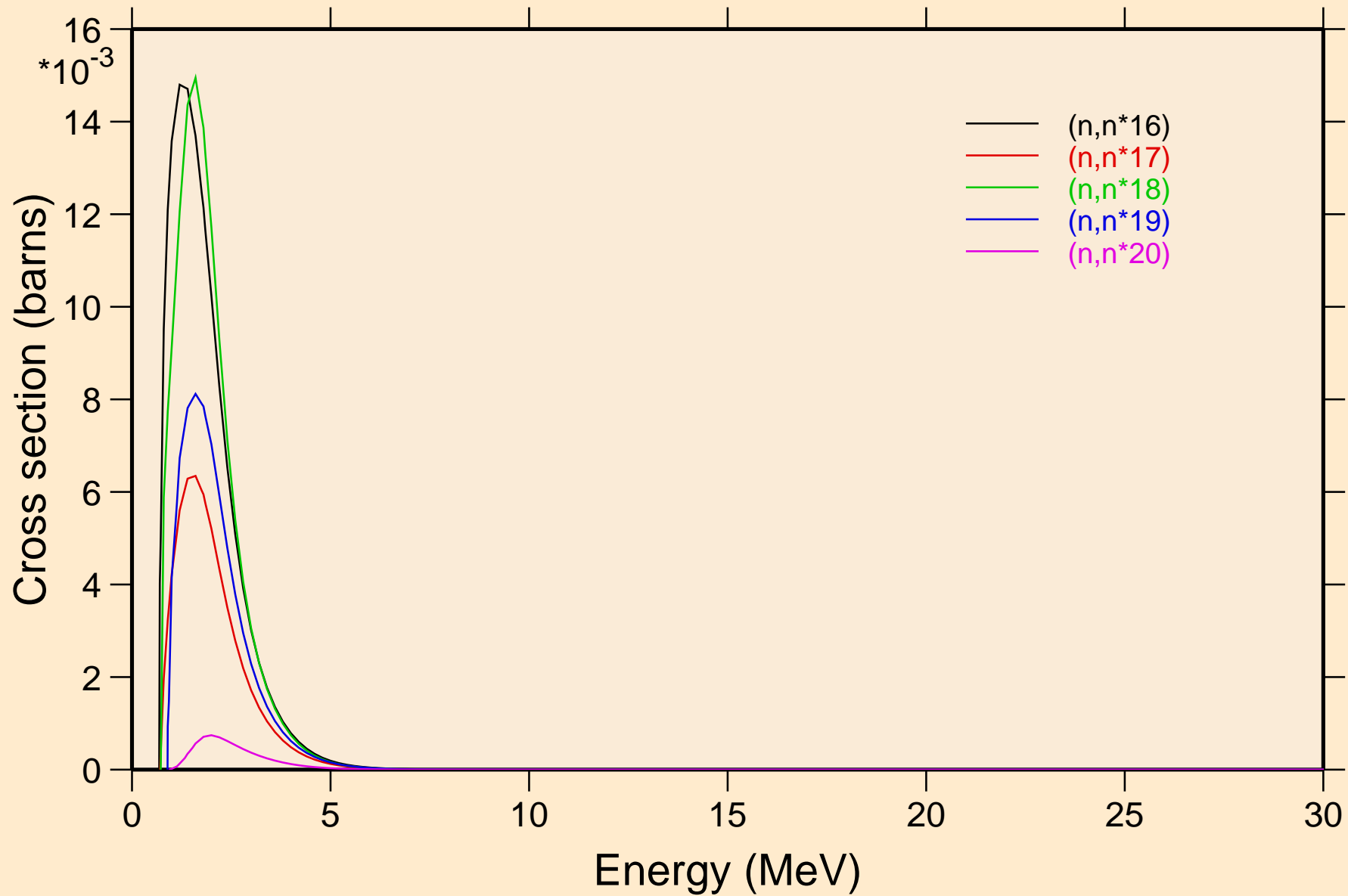
N-SM139M NRG TENDL-2017, AKONING

Inelastic levels



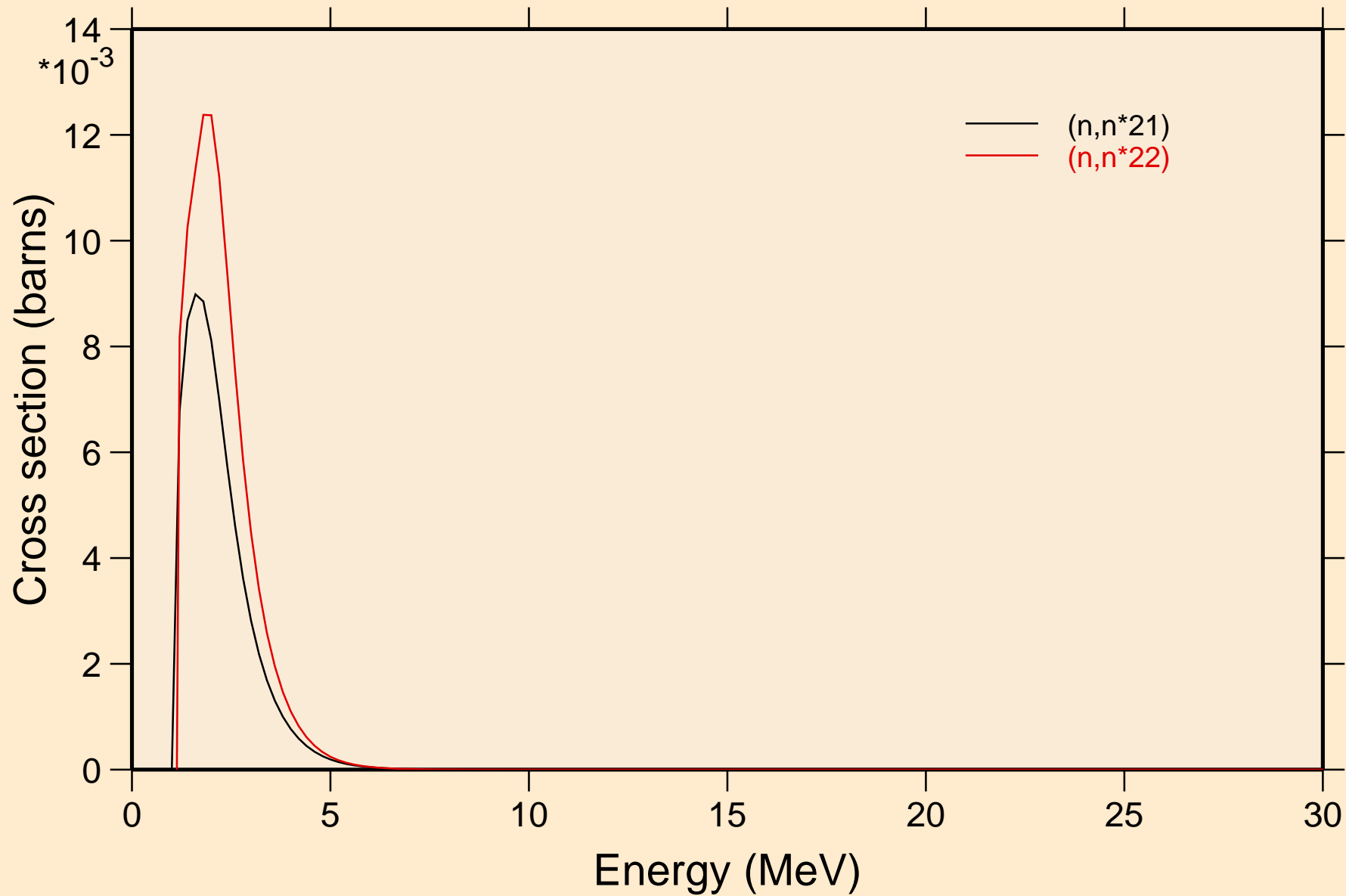
N-SM139M NRG TENDL-2017, AKONING

Inelastic levels



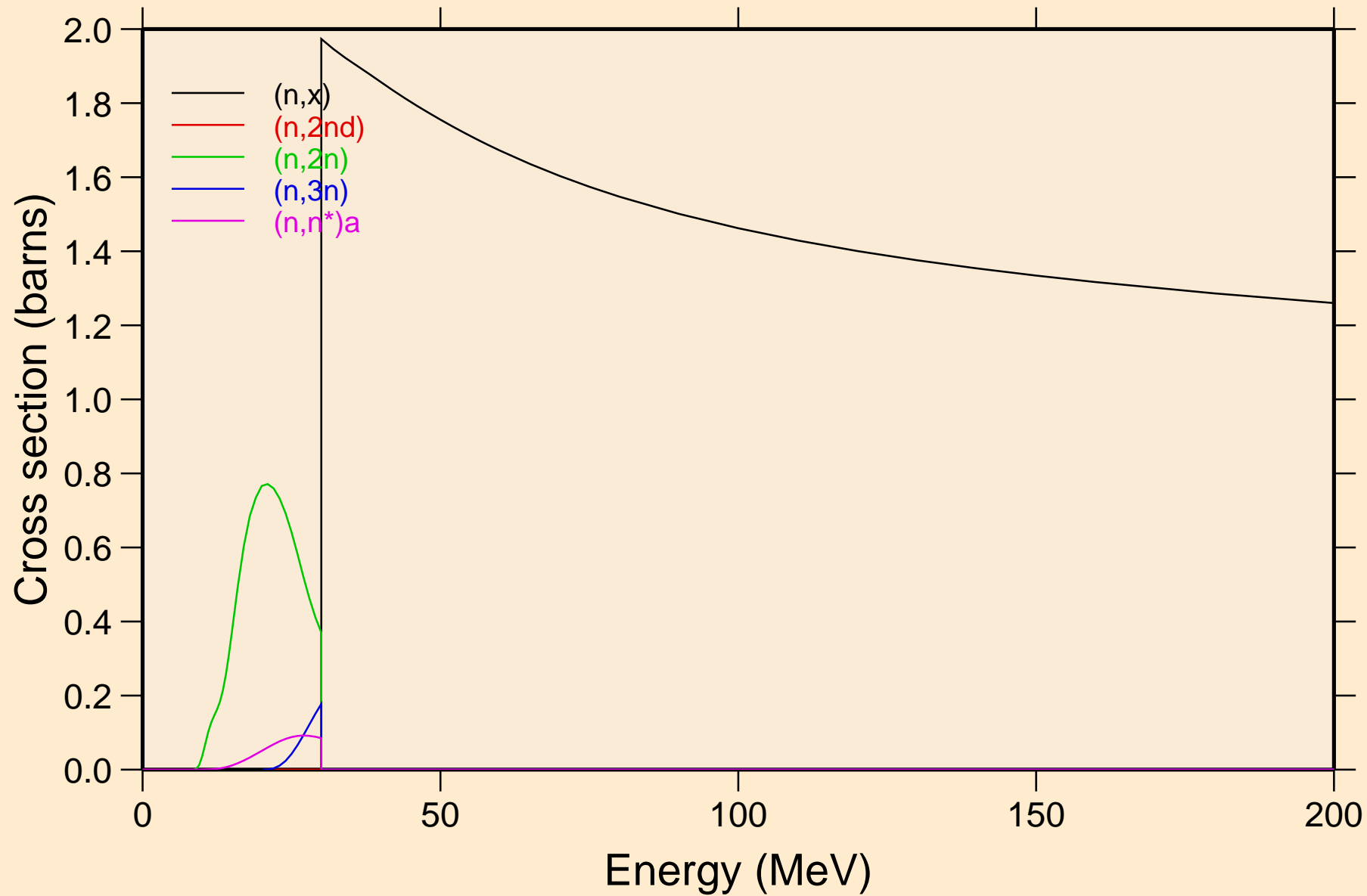
N-SM139M NRG TENDL-2017, AKONING

Inelastic levels



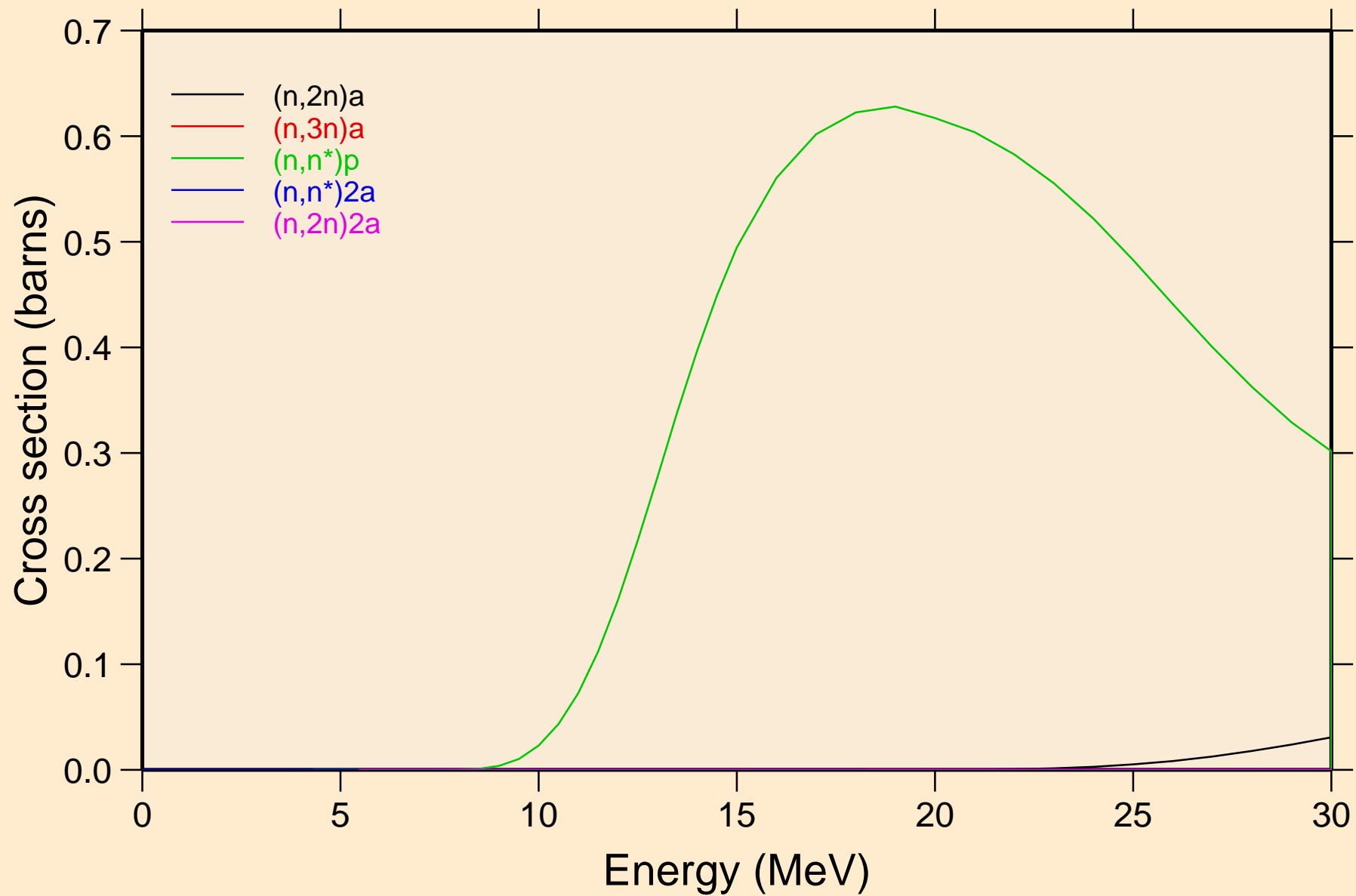
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Threshold reactions



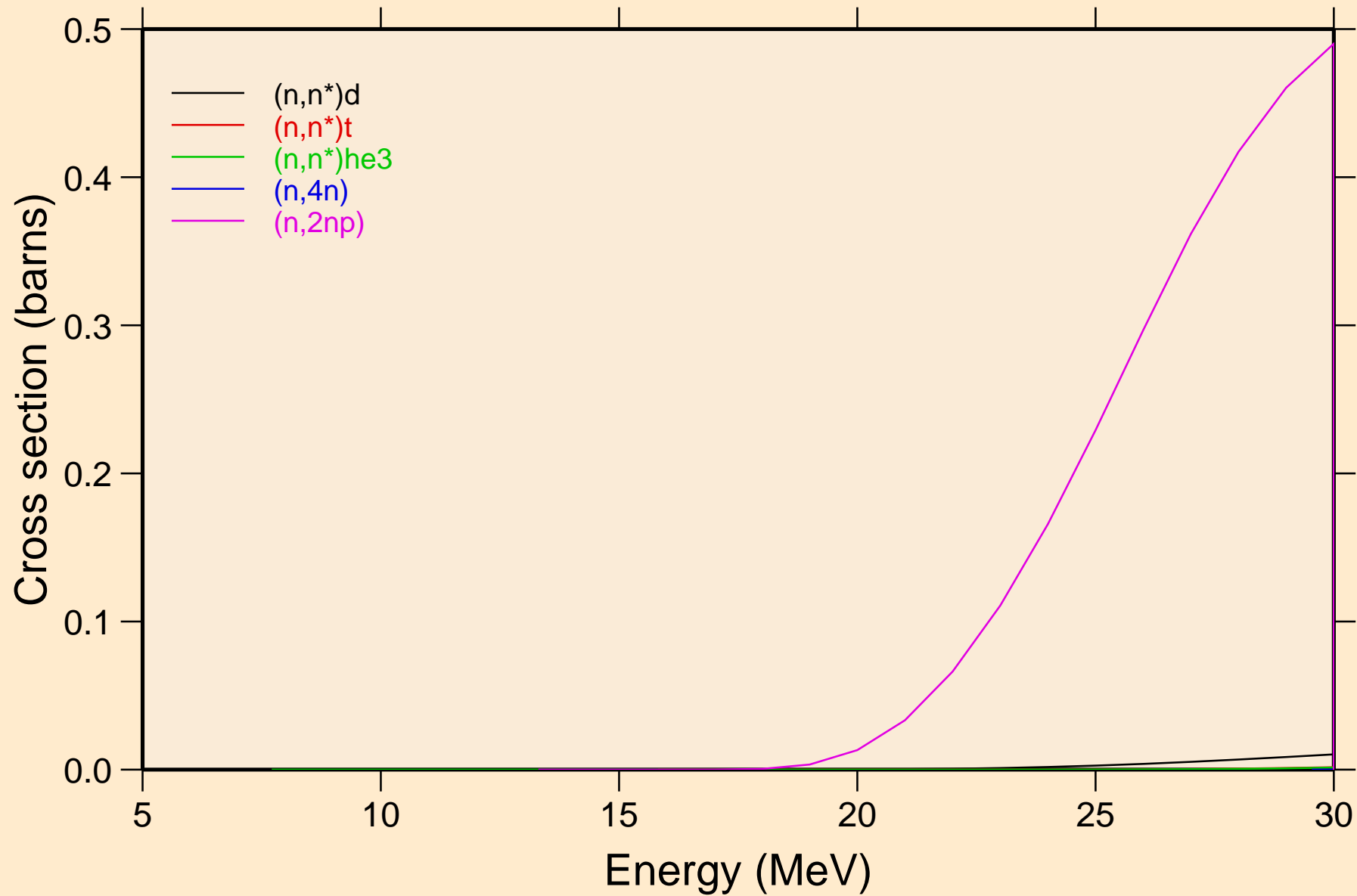
N-SM139M NRG TENDL-2017, AKONING

Threshold reactions



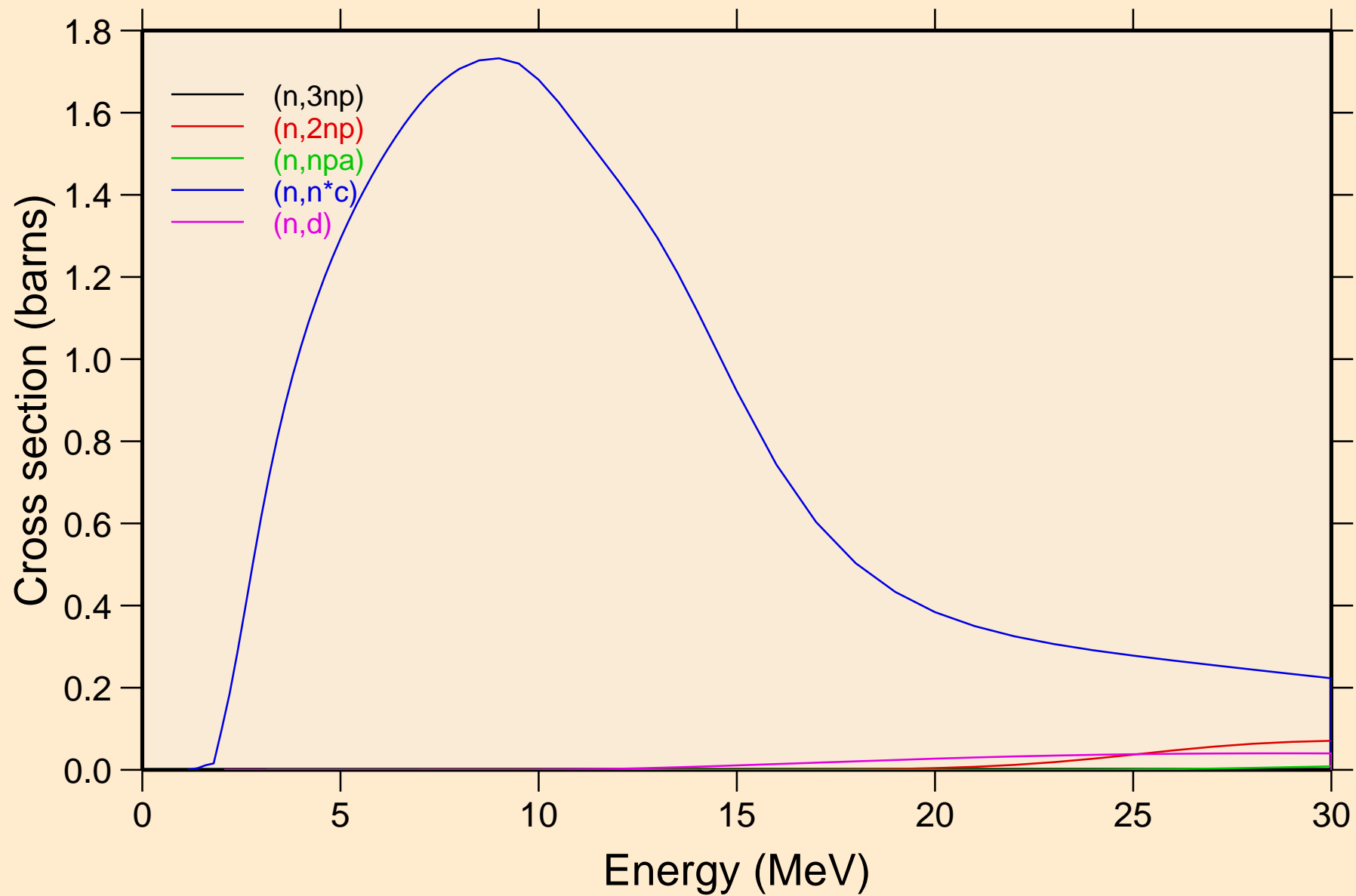
N-SM139M NRG TENDL-2017, AKONING

Threshold reactions



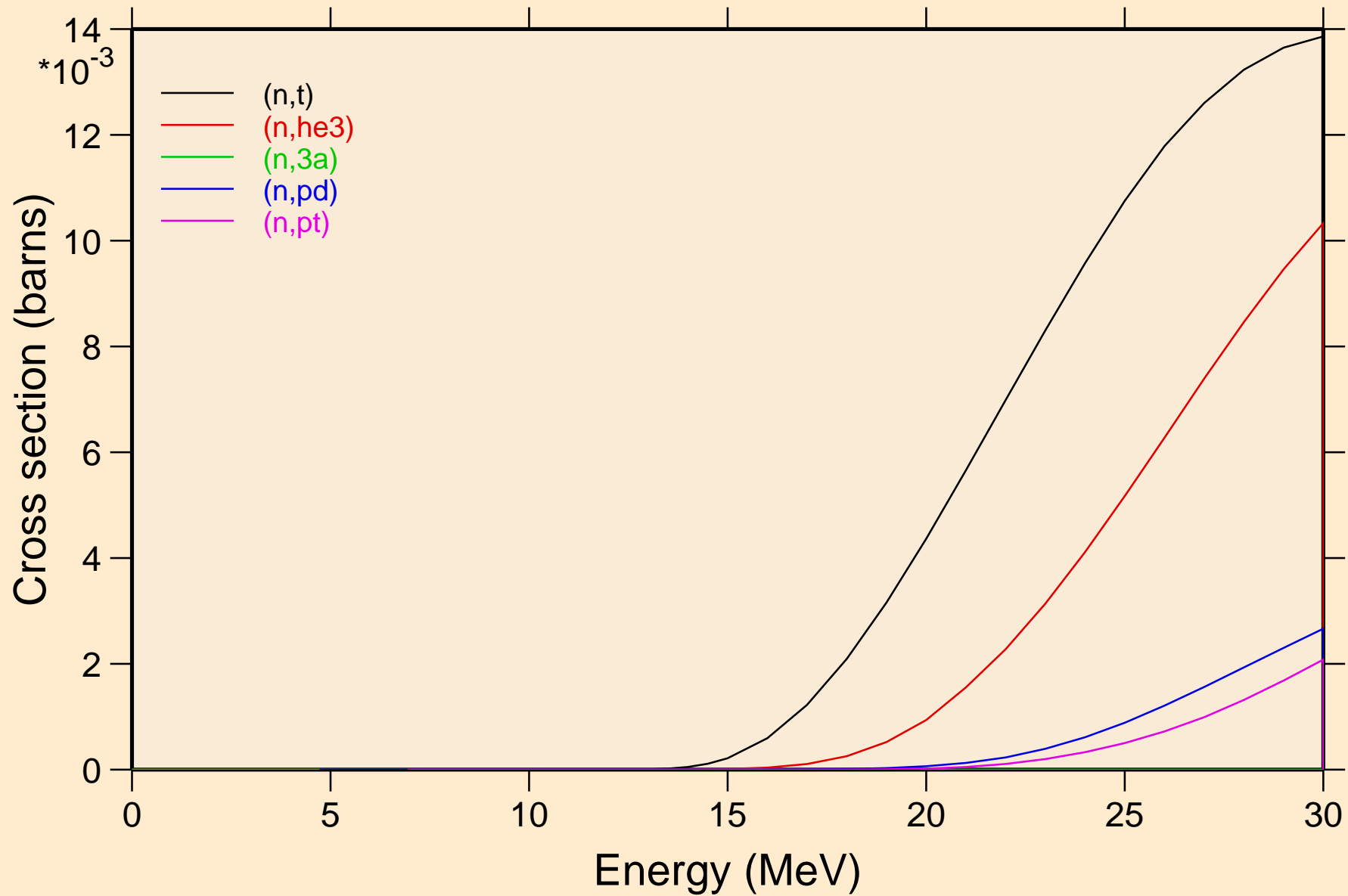
N-SM139M NRG TENDL-2017, AKONING

Threshold reactions



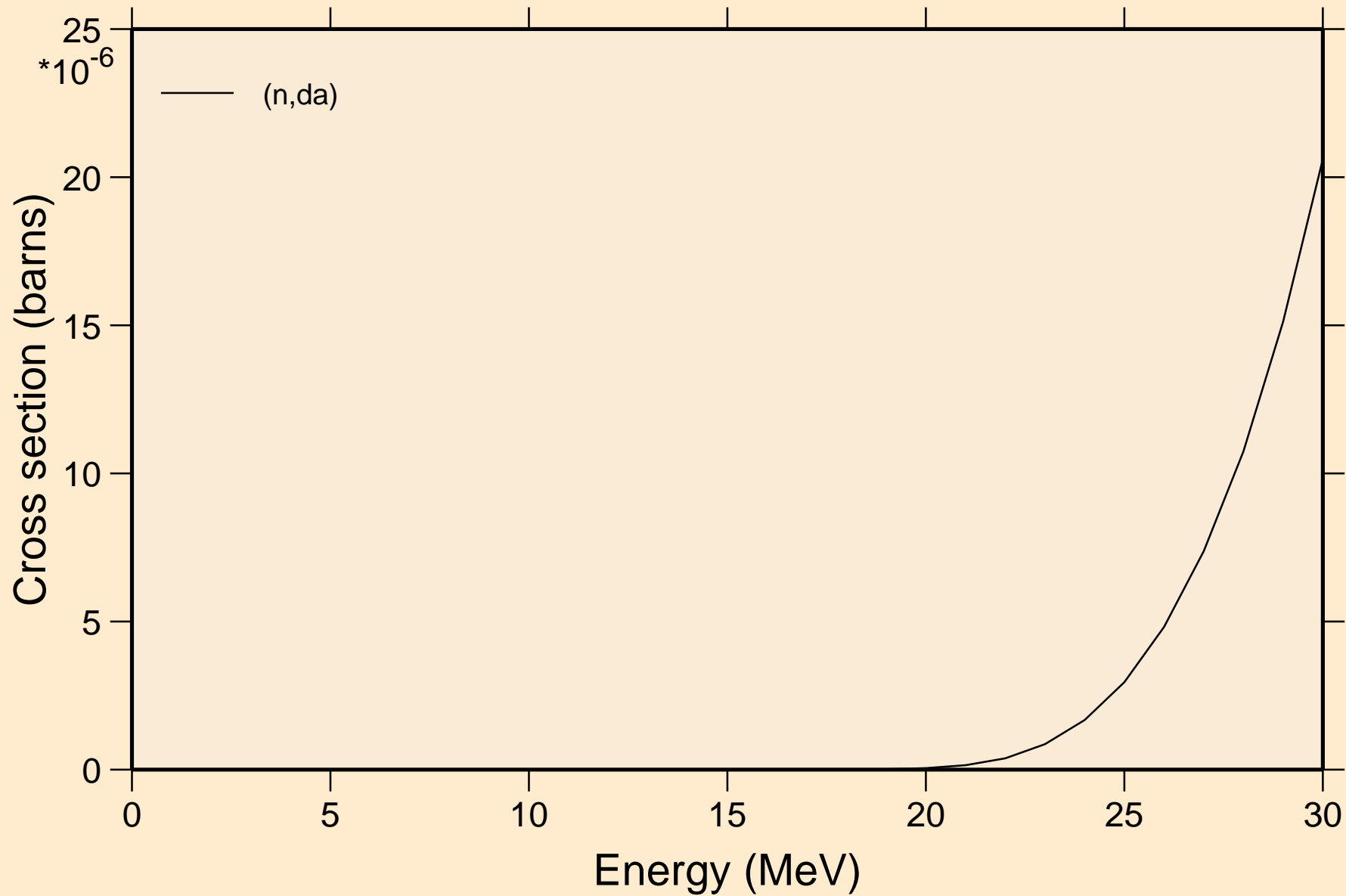
N-SM139M NRG TENDL-2017, AKONING

Threshold reactions

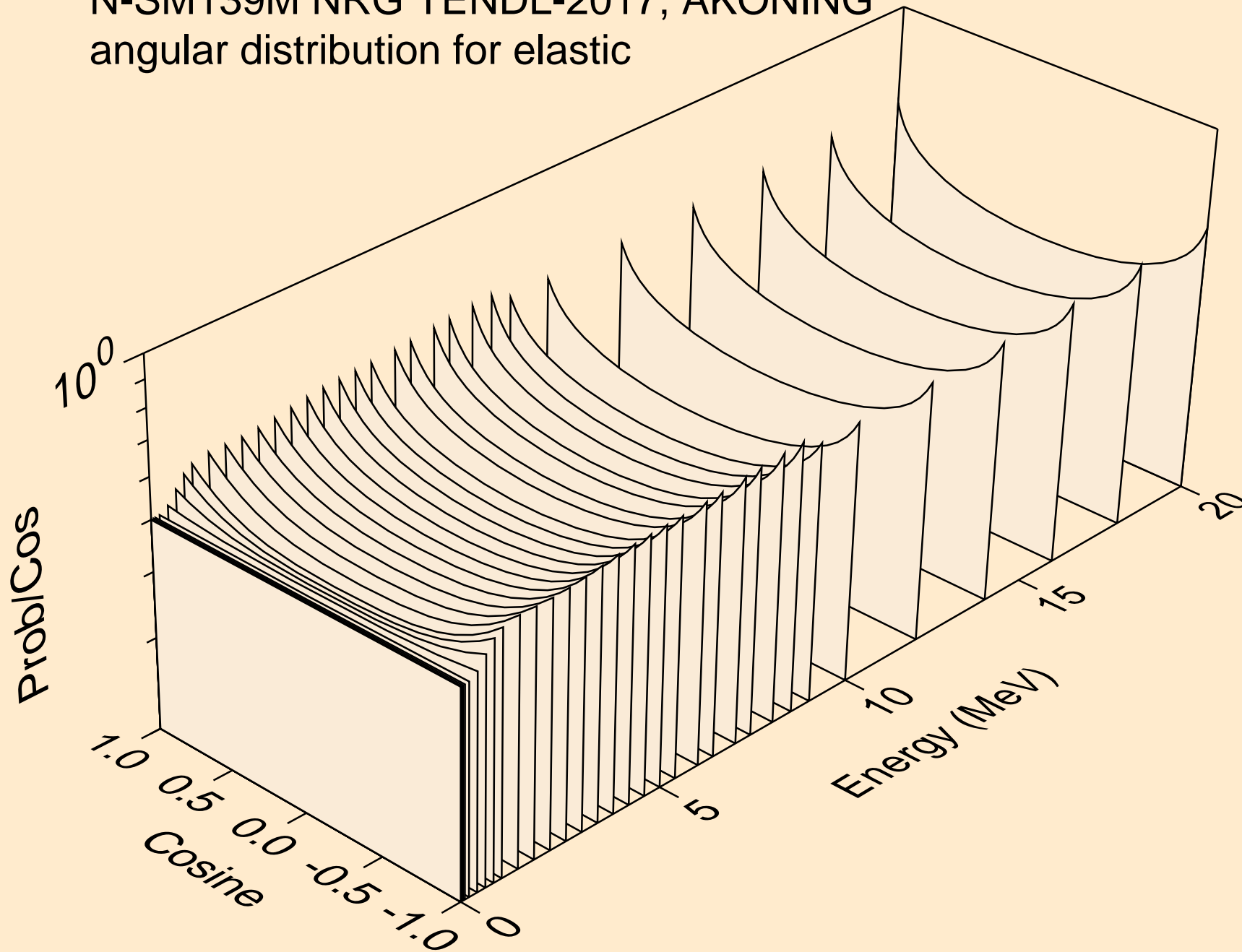


N-SM139M NRG TENDL-2017, AKONING

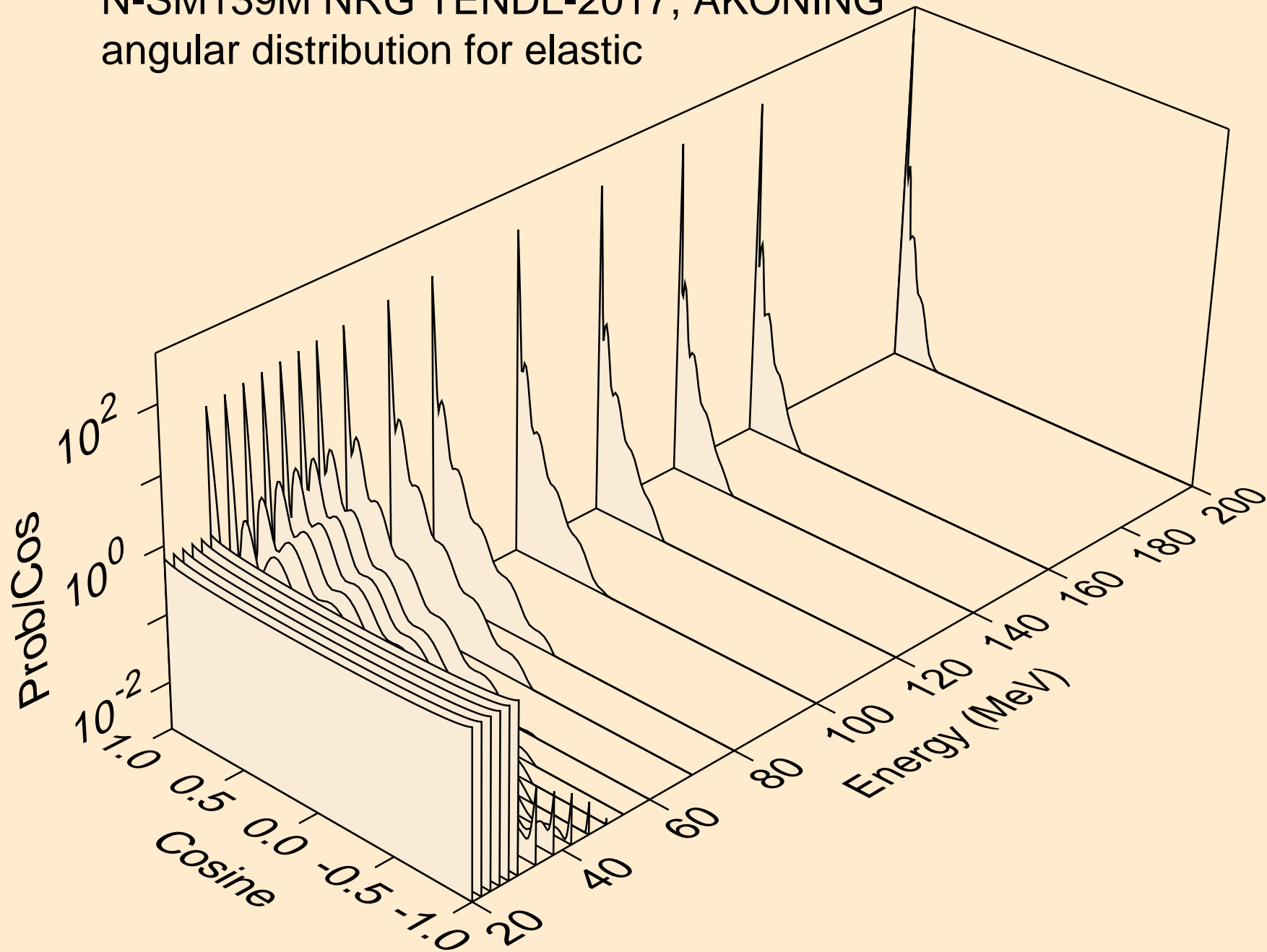
Threshold reactions



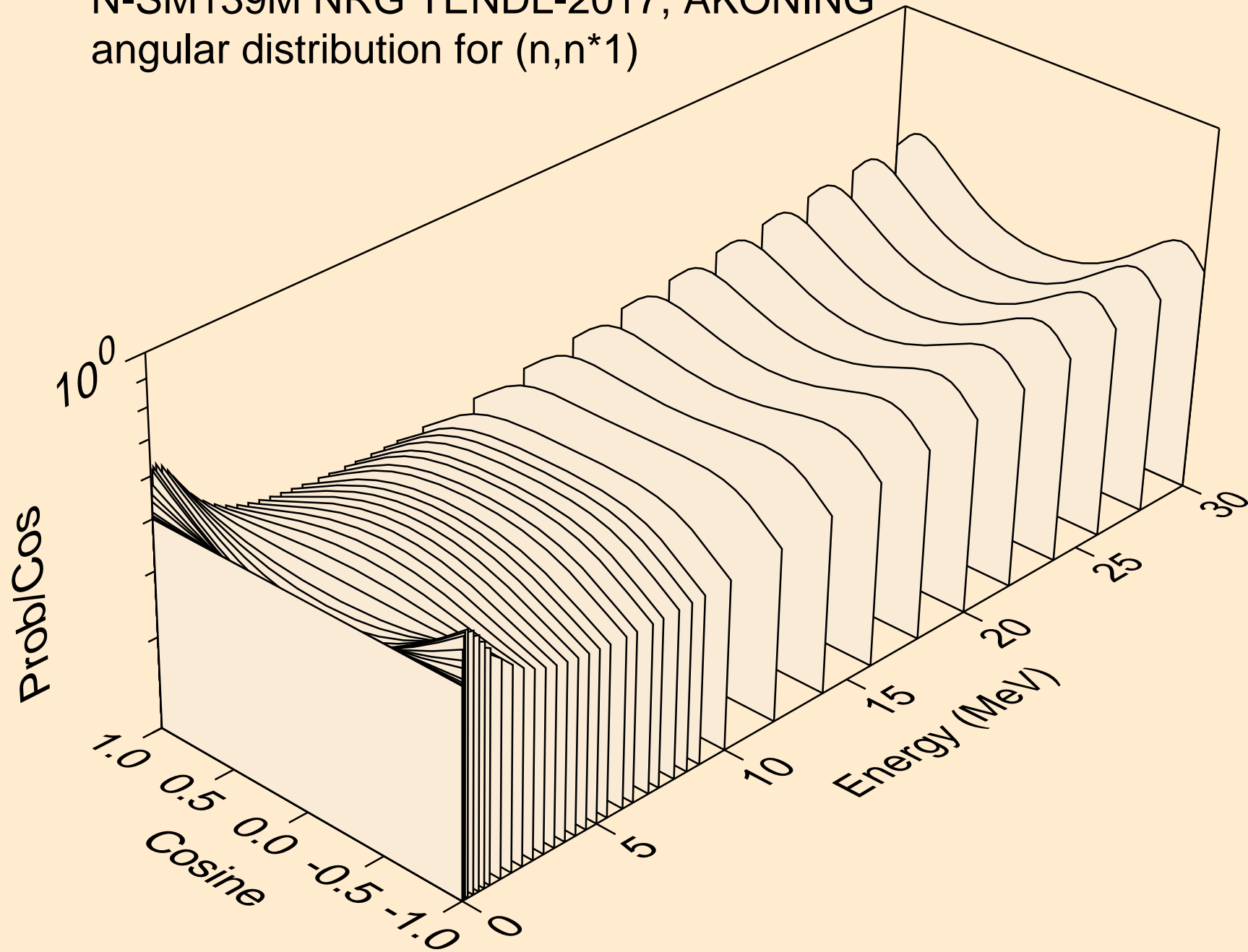
N-SM139M NRG TENDL-2017, AKONING
angular distribution for elastic



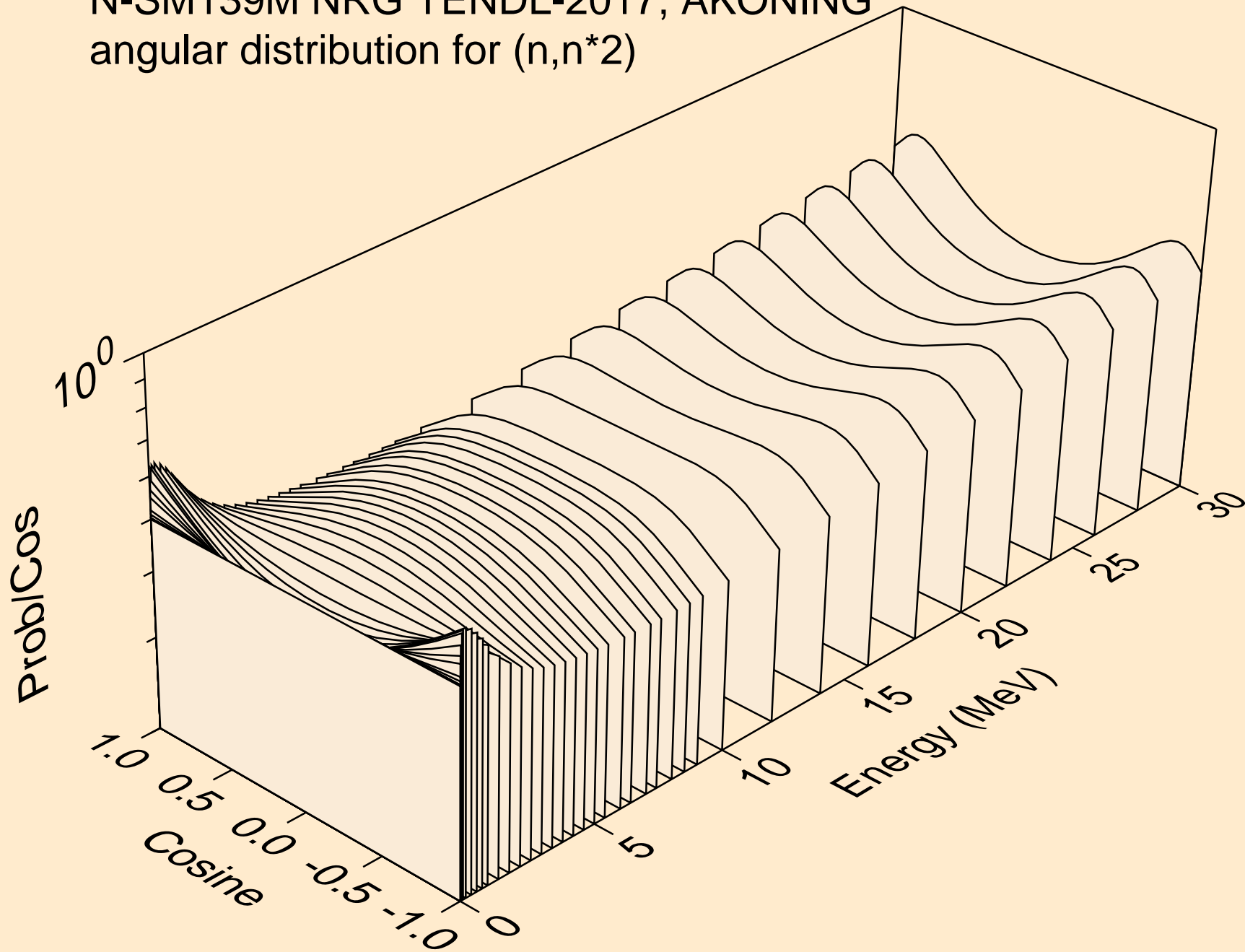
N-SM139M NRG TENDL-2017, AKONING
angular distribution for elastic



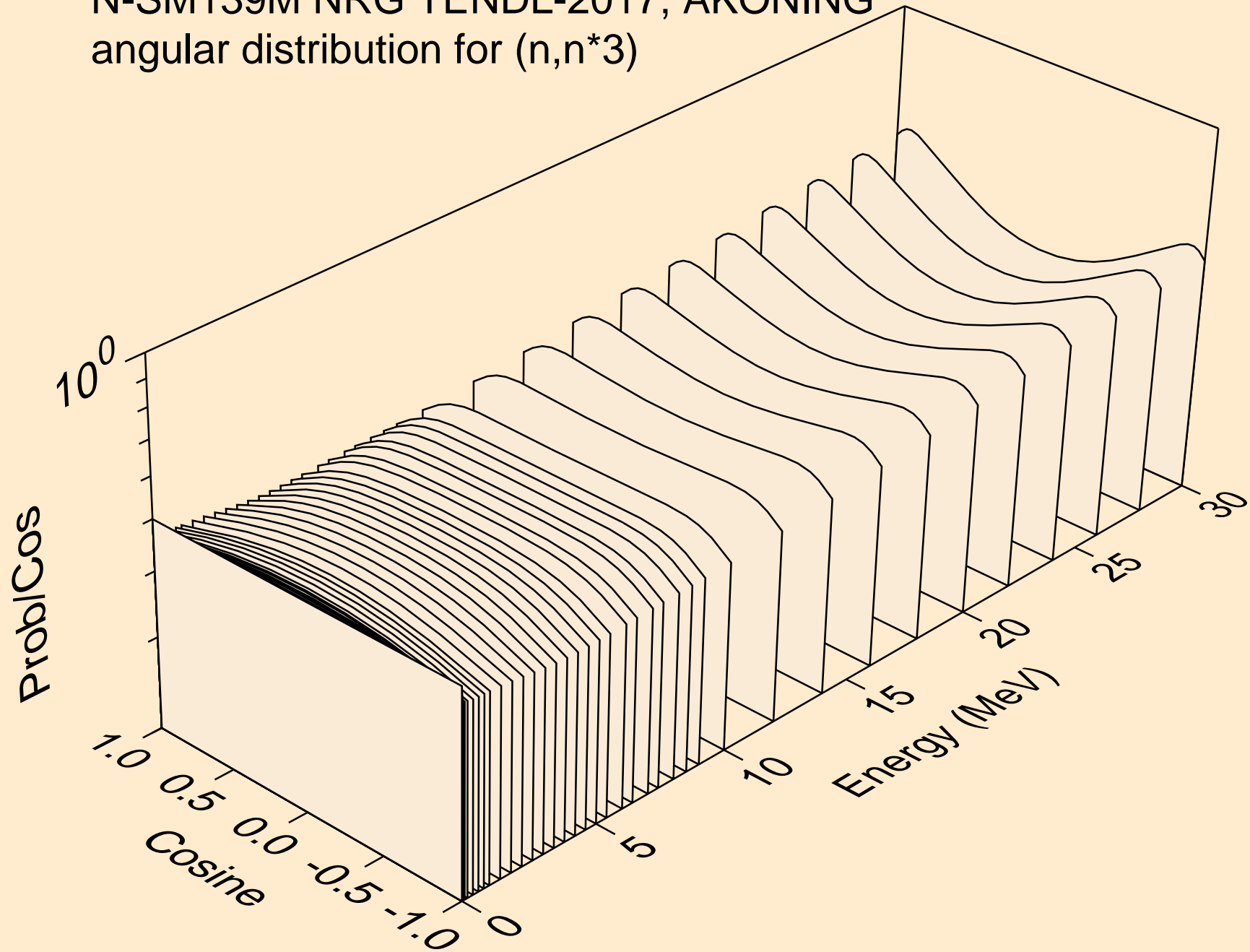
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*1)



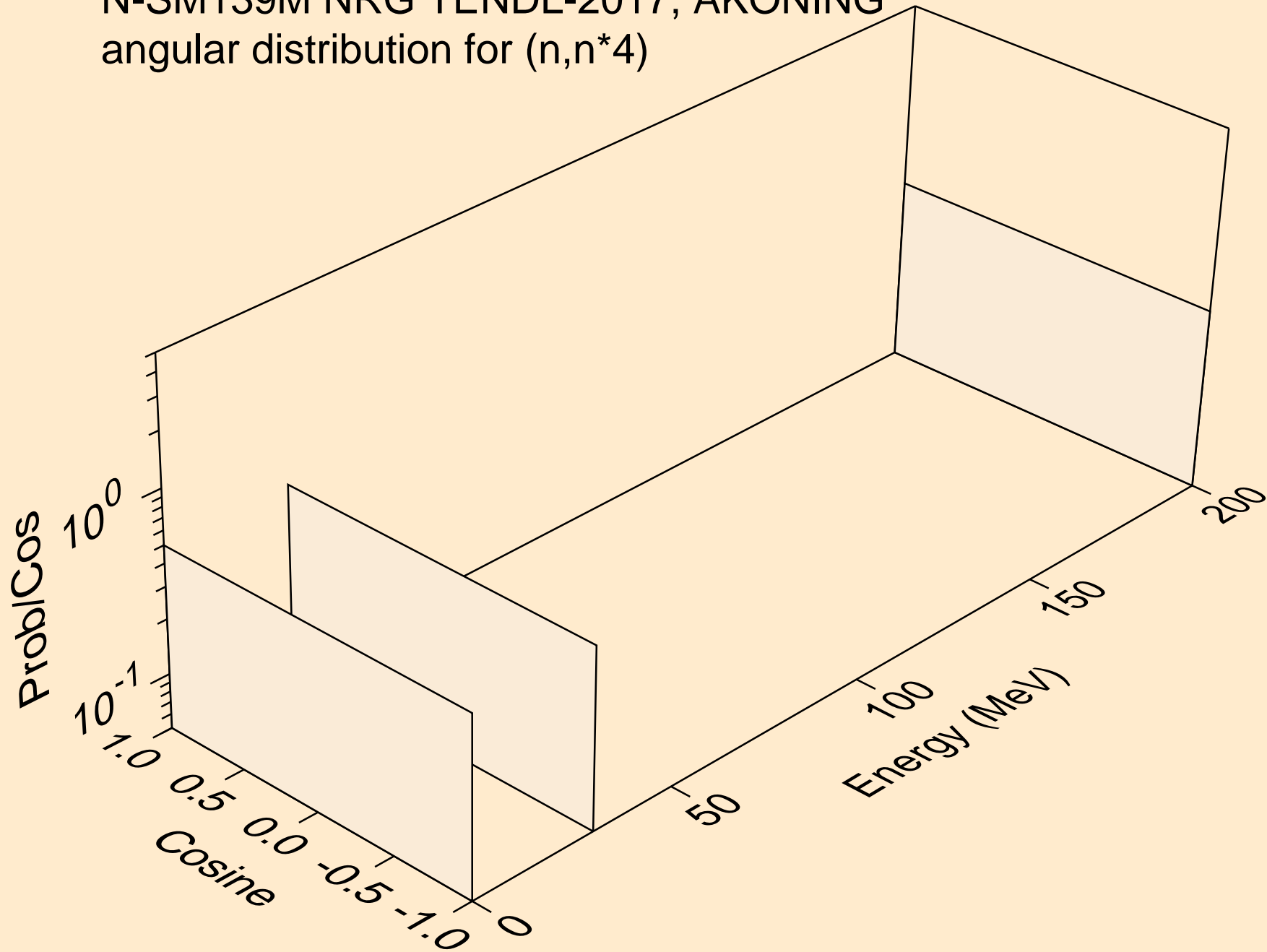
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*2)



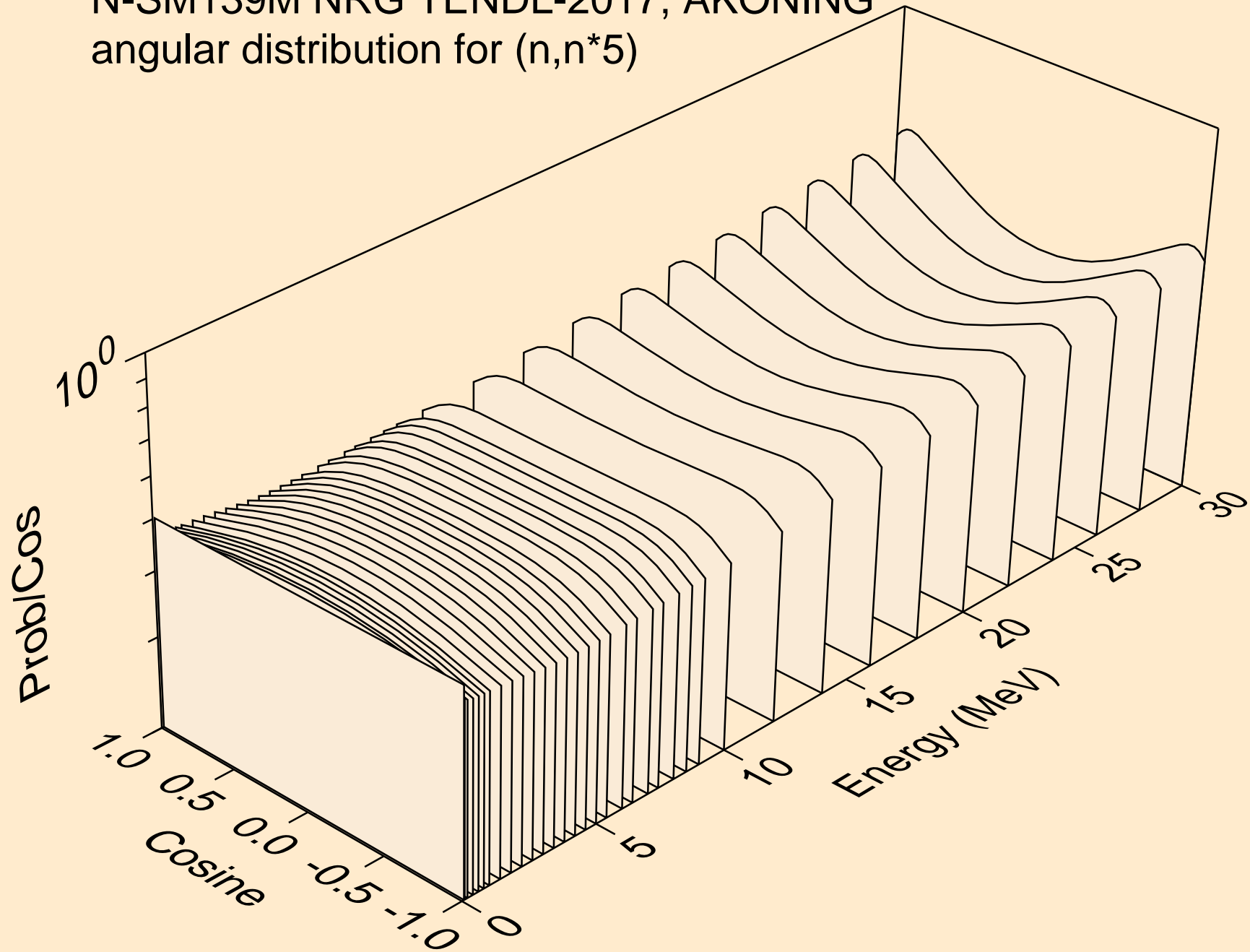
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*3)



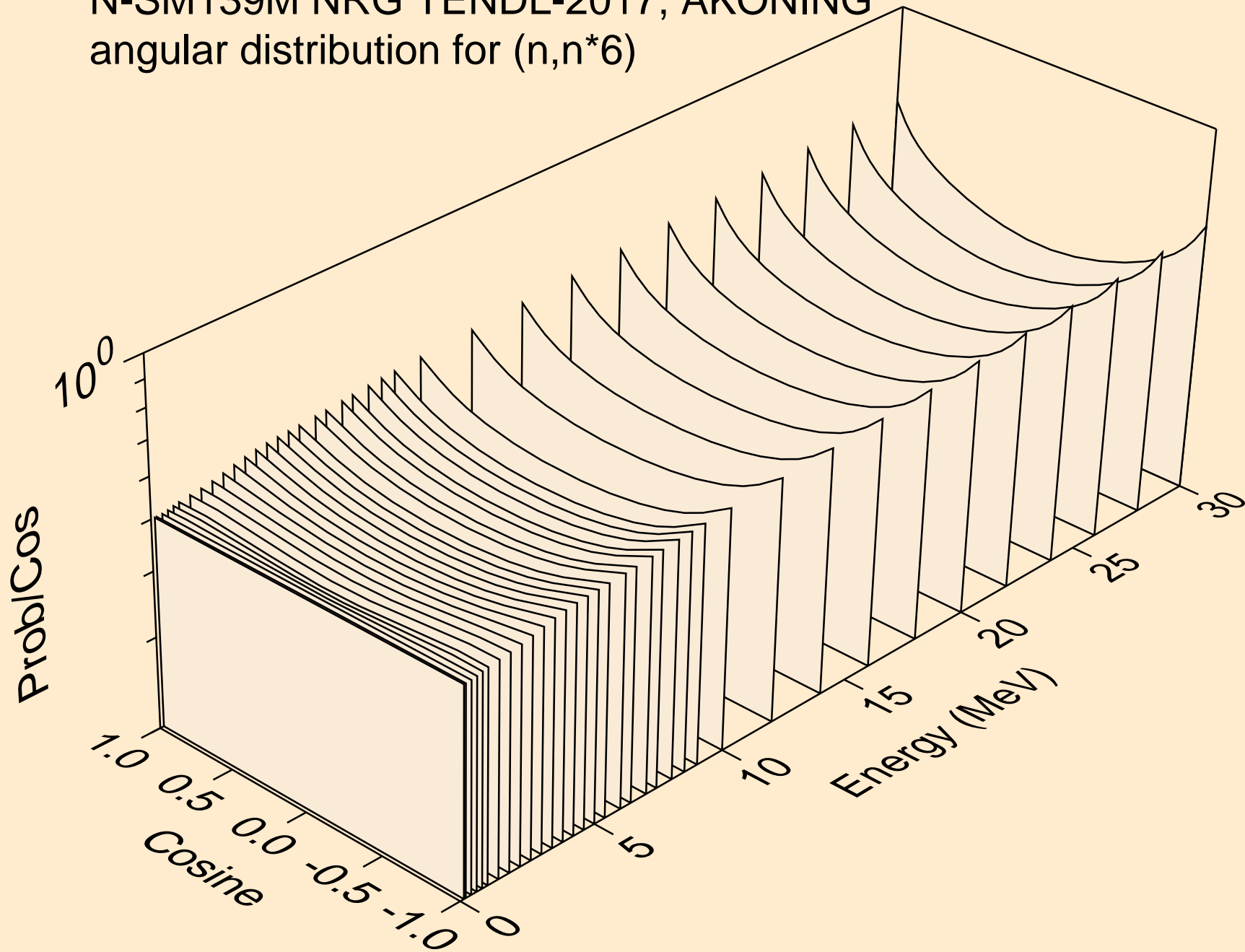
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*4)



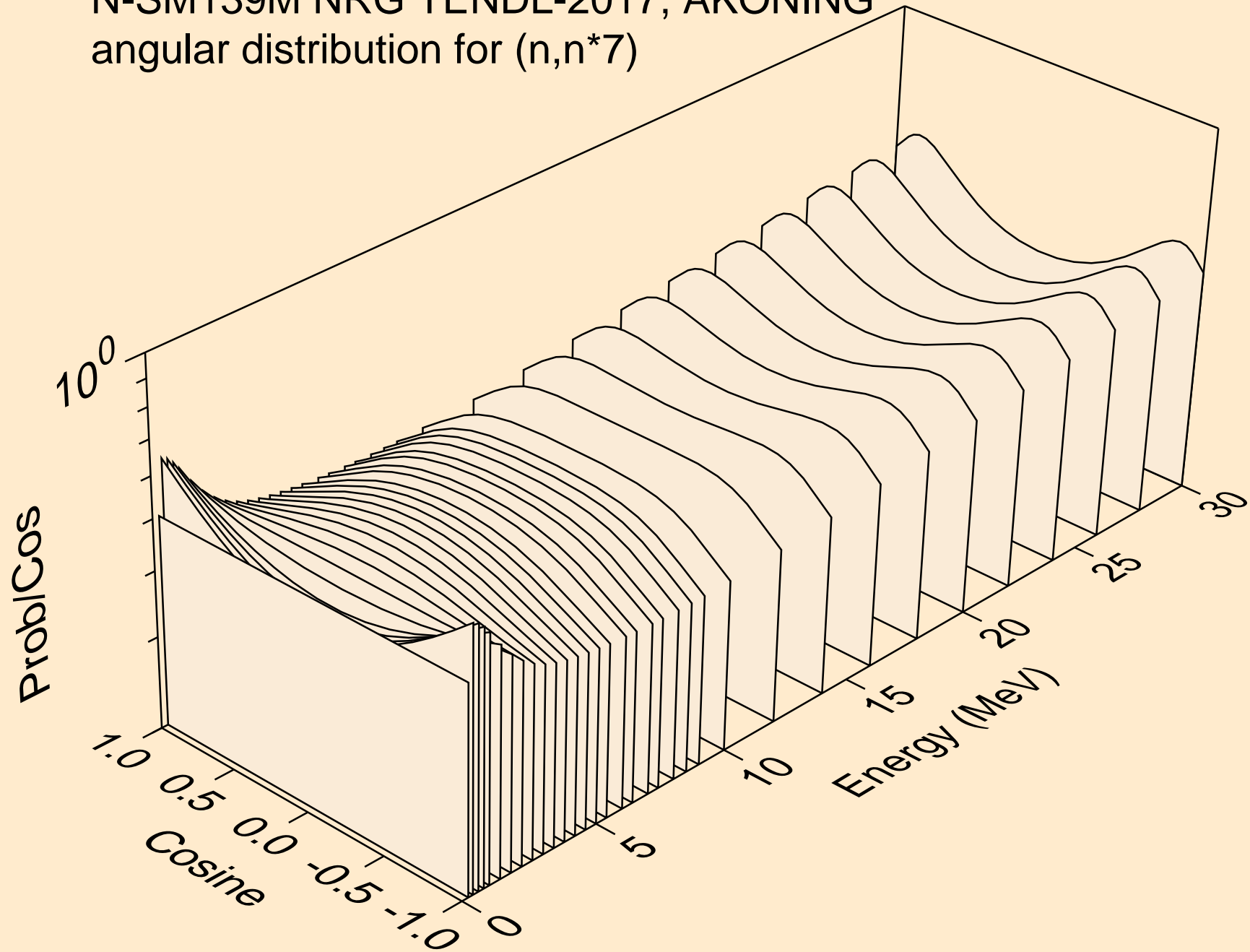
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*5)



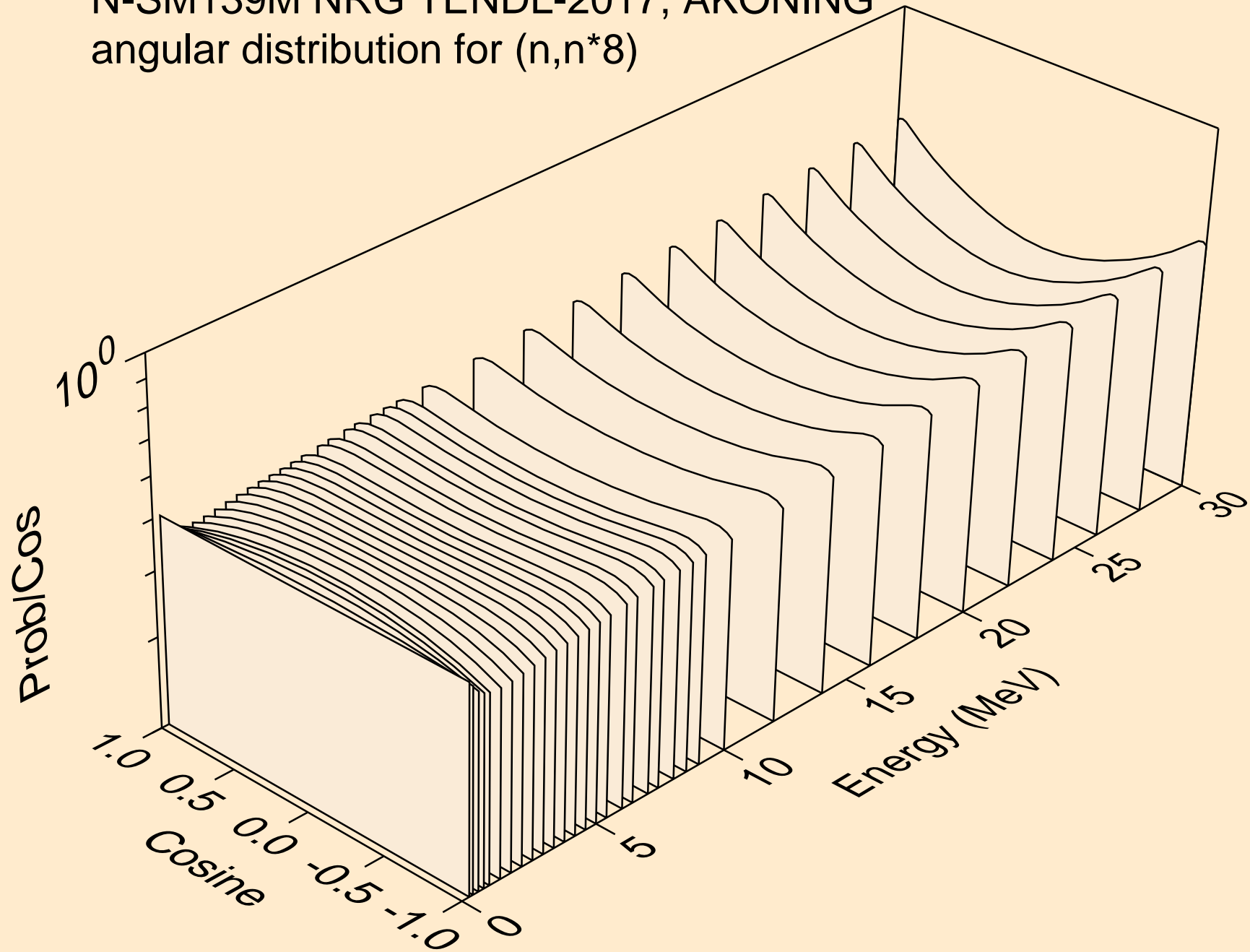
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*6)



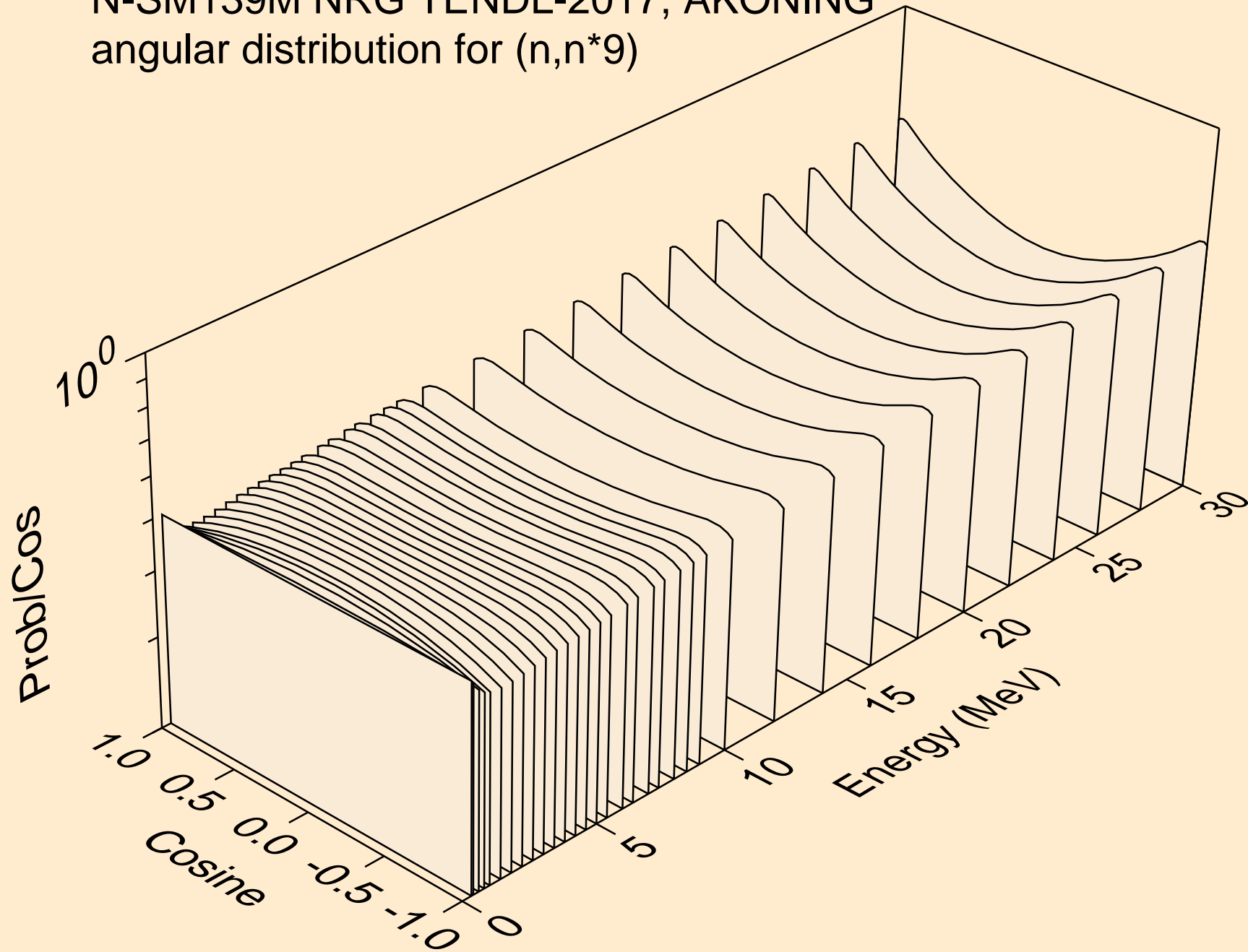
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*7)



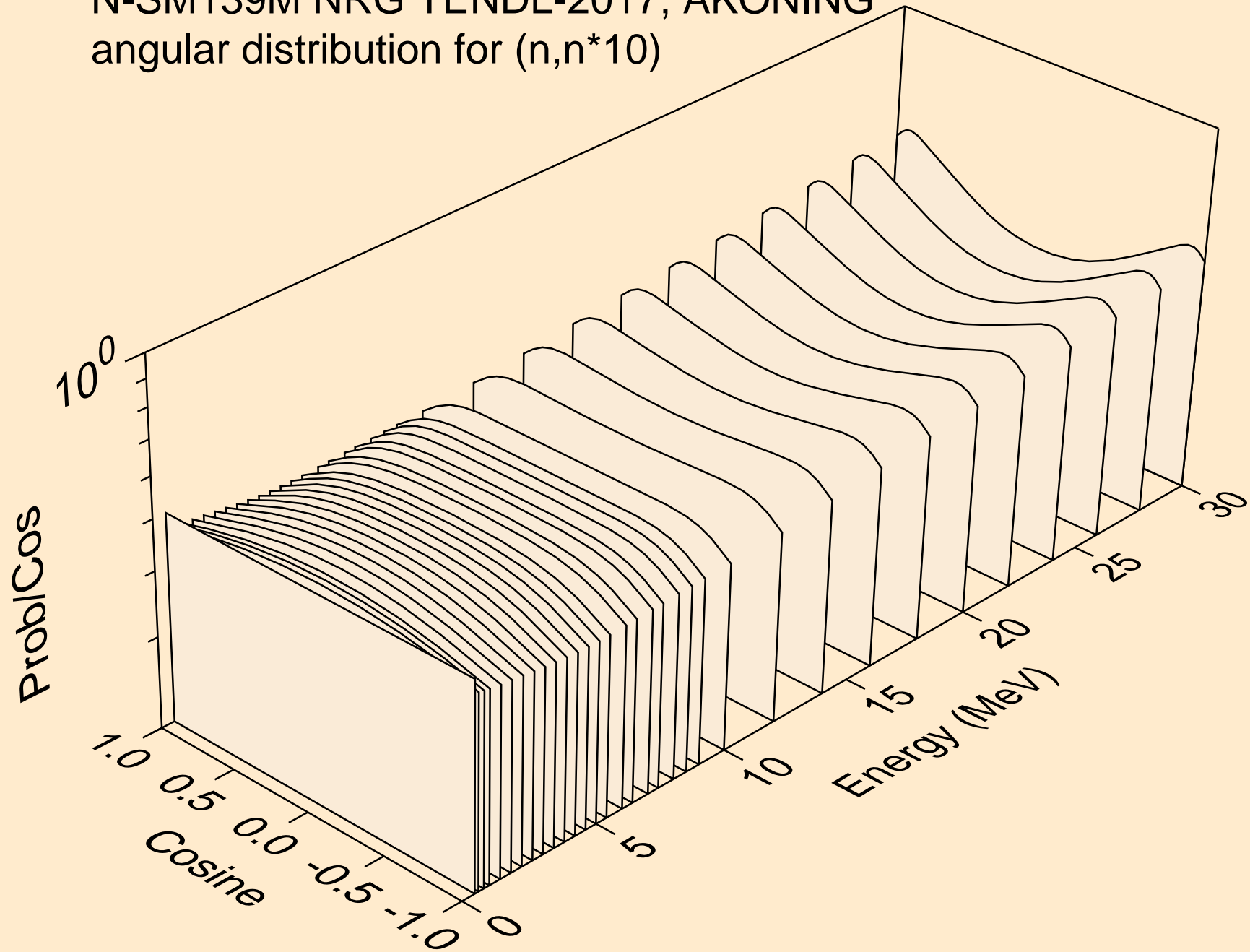
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*8)



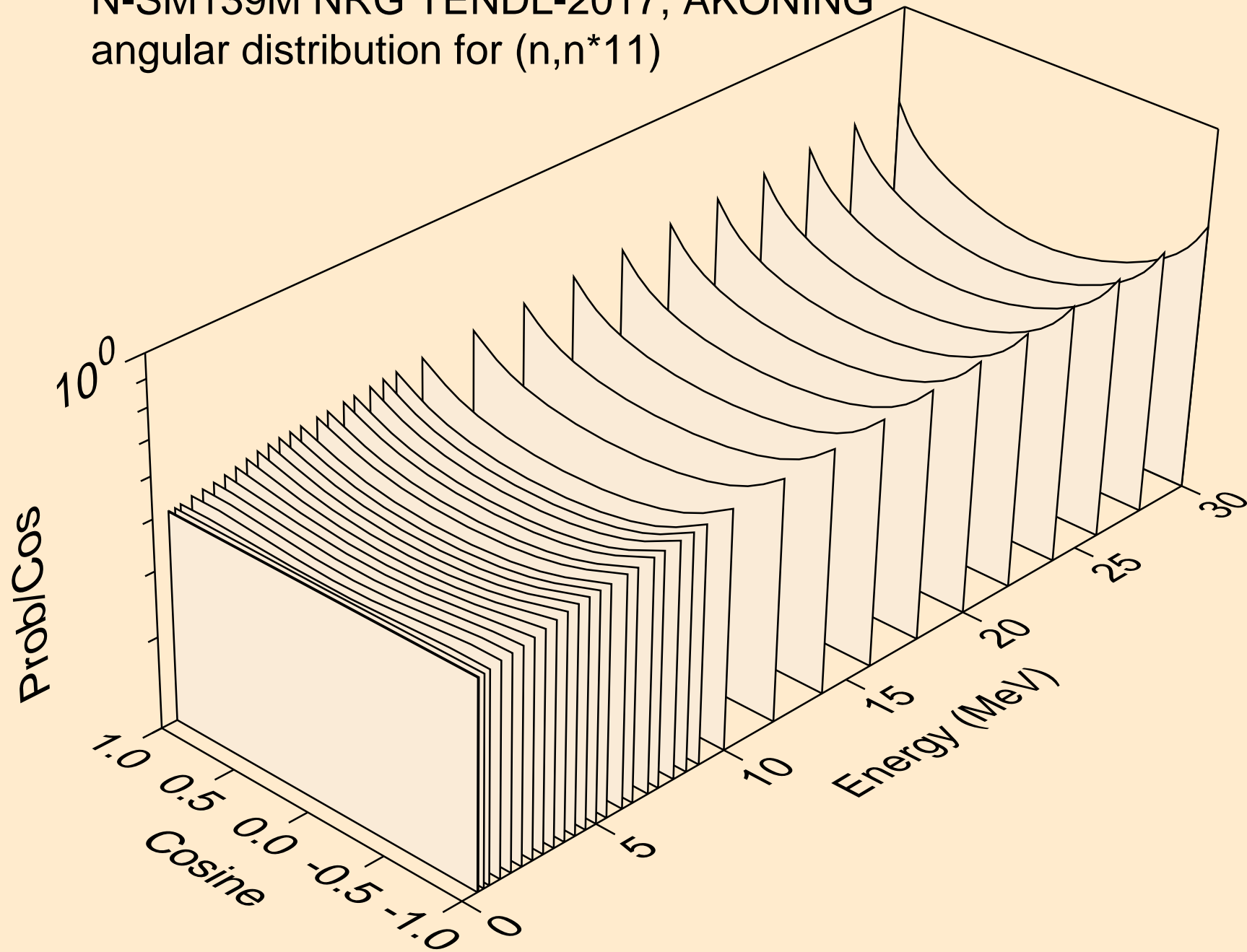
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*9)



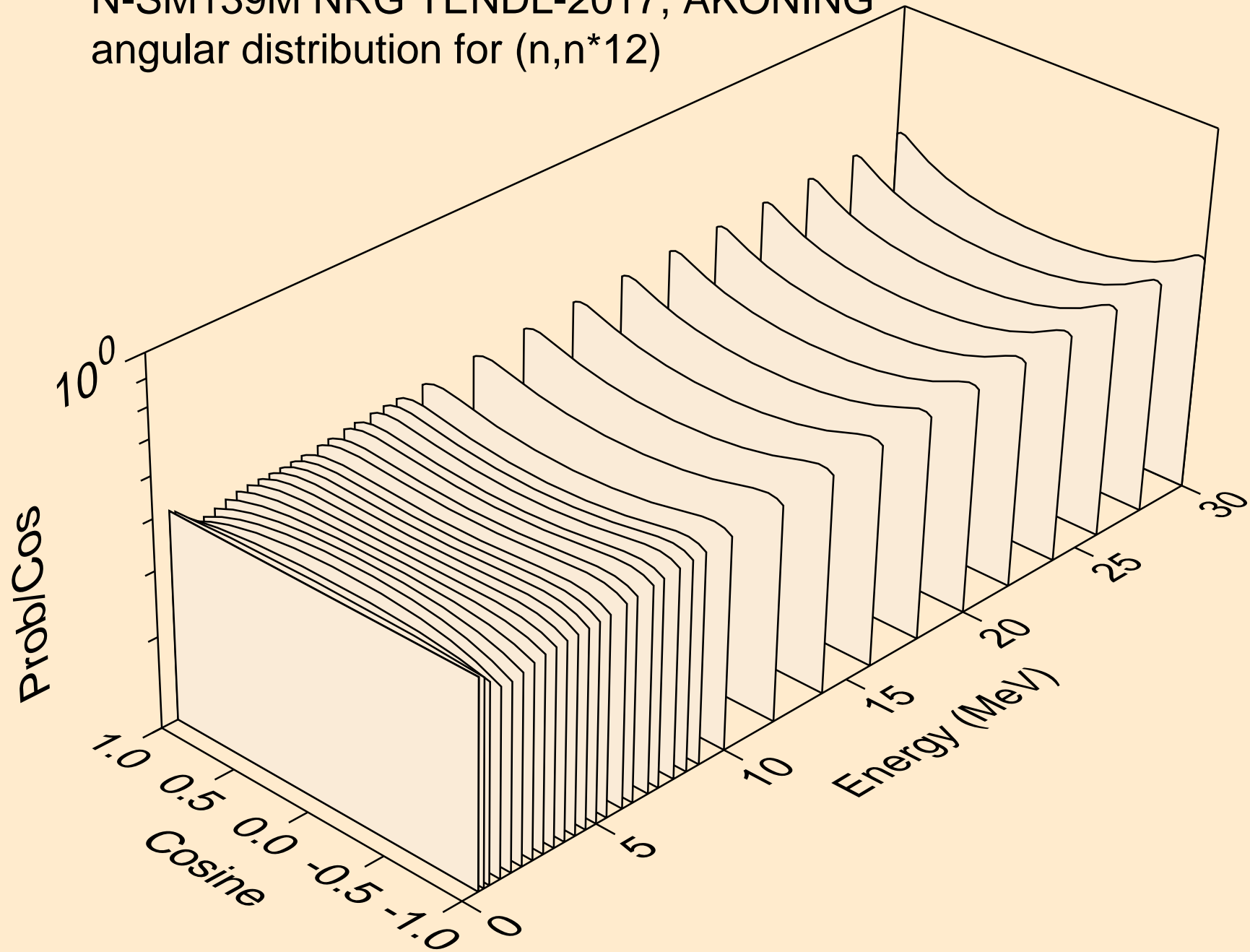
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*10)



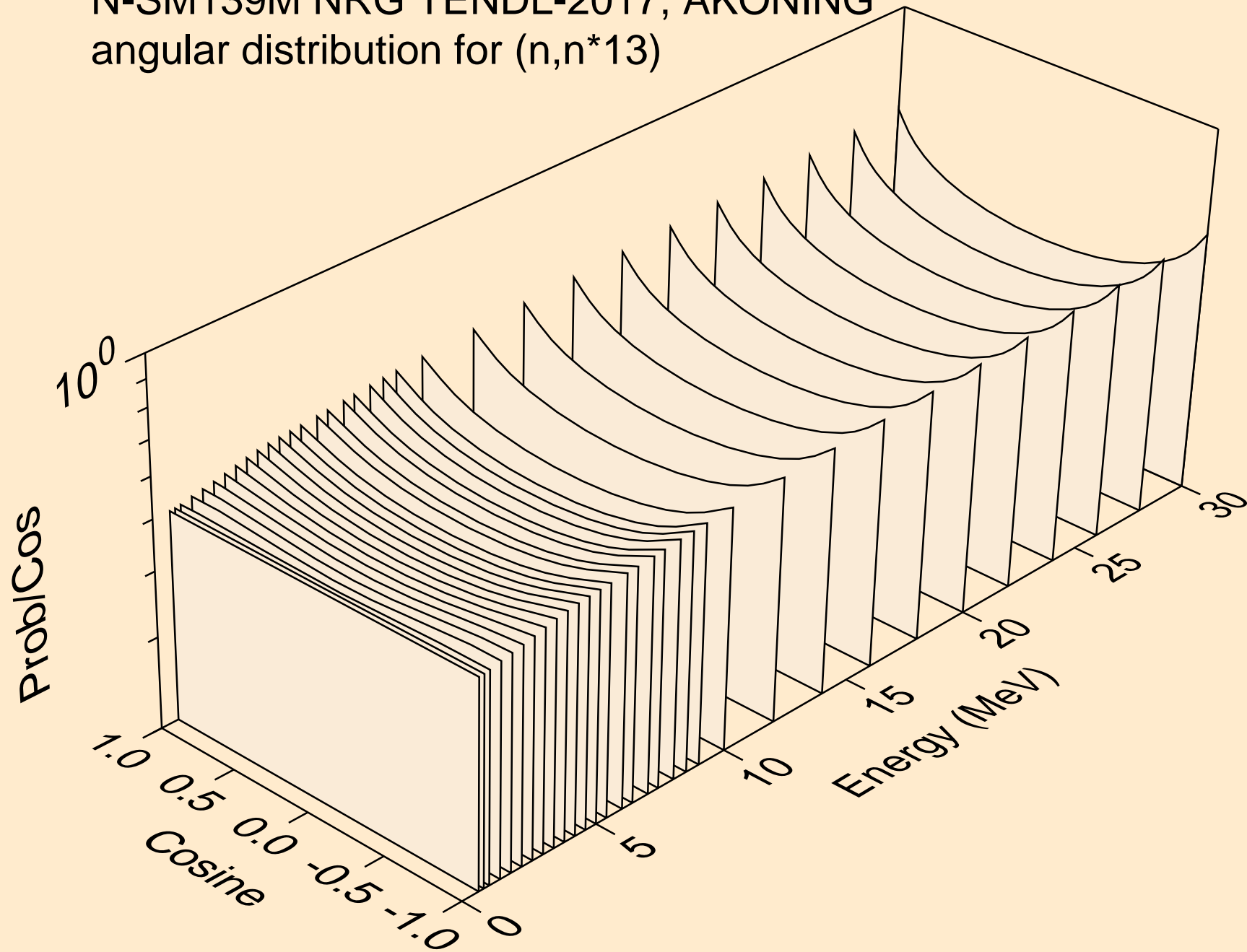
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*11)



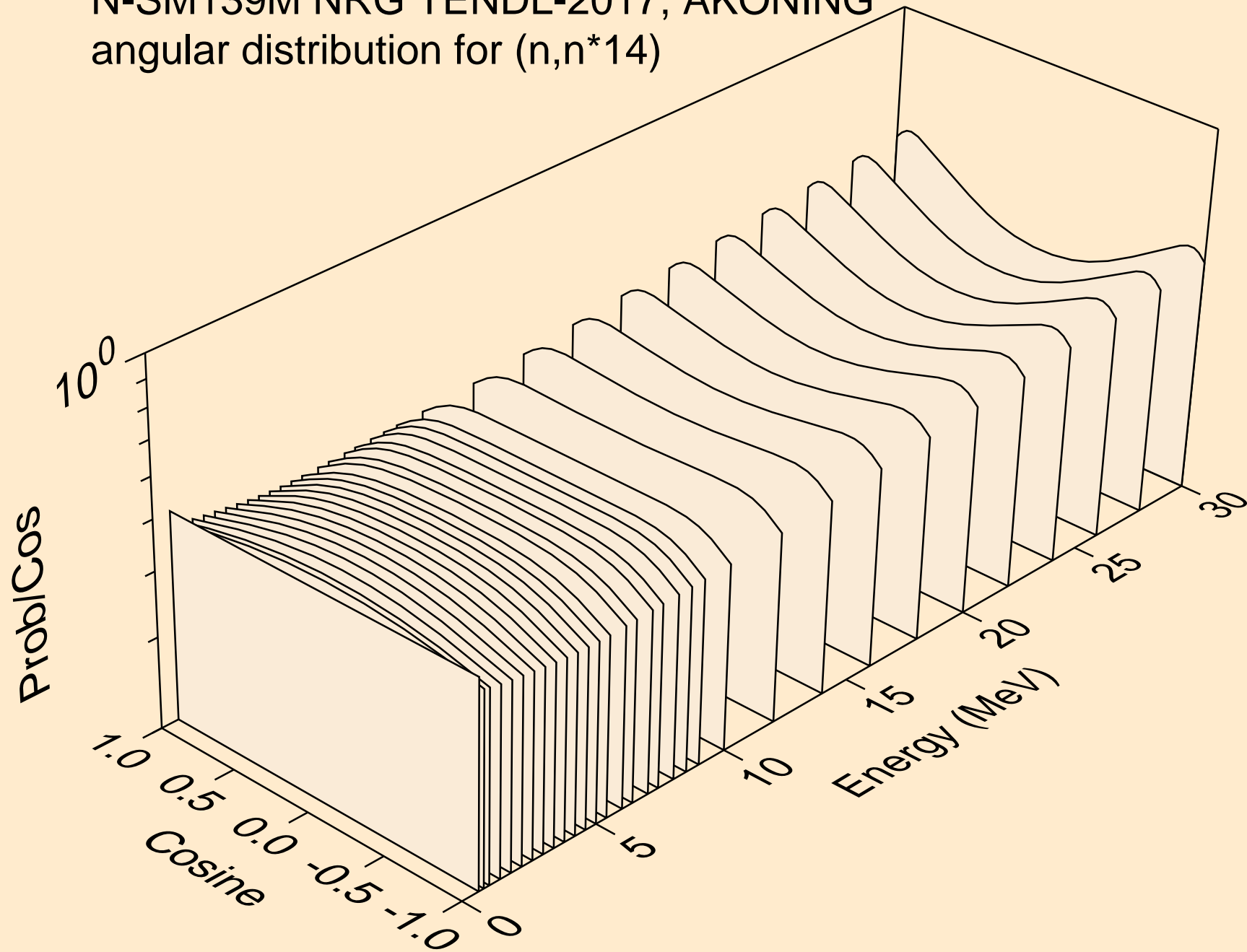
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angular distribution for (n,n*12)



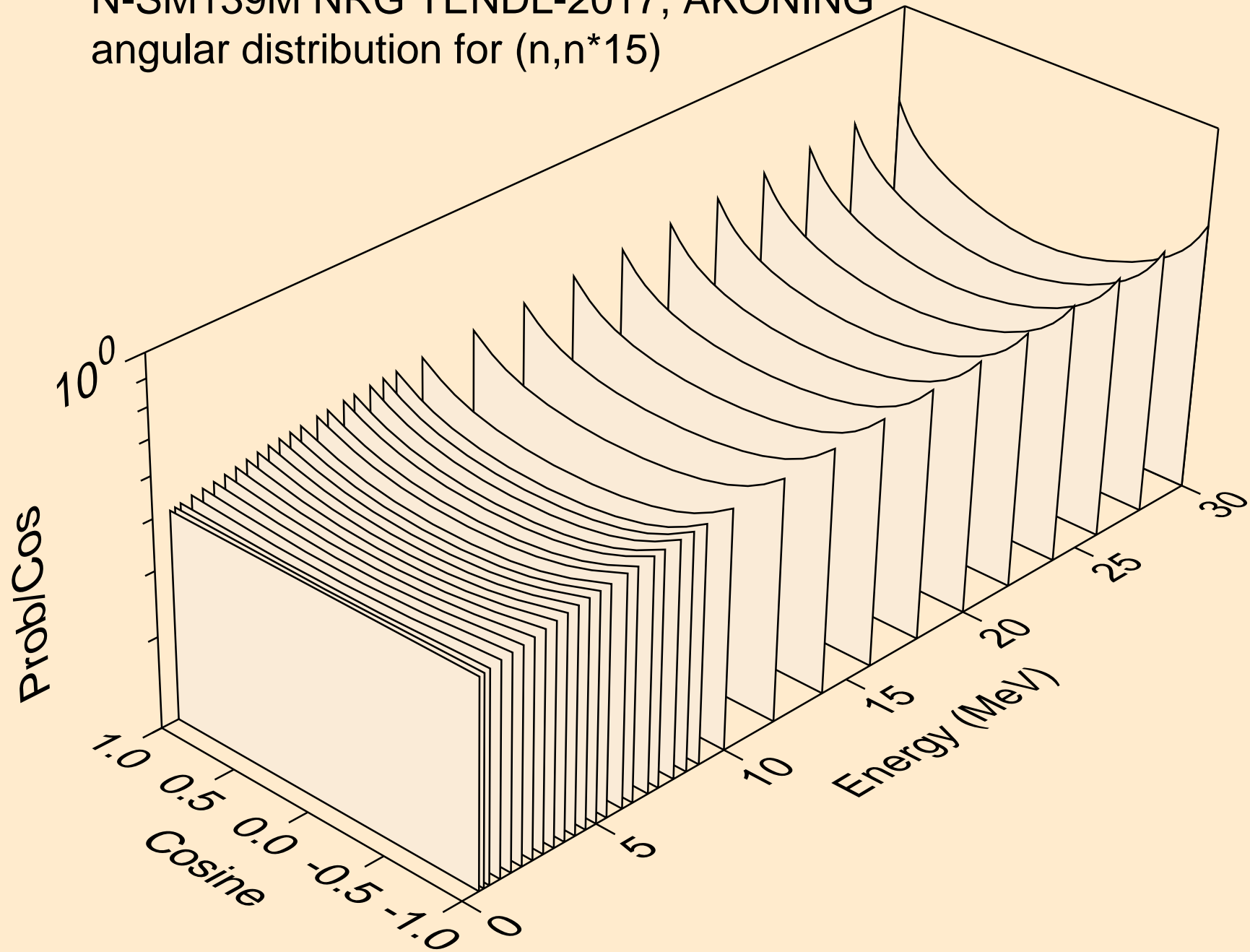
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*13)



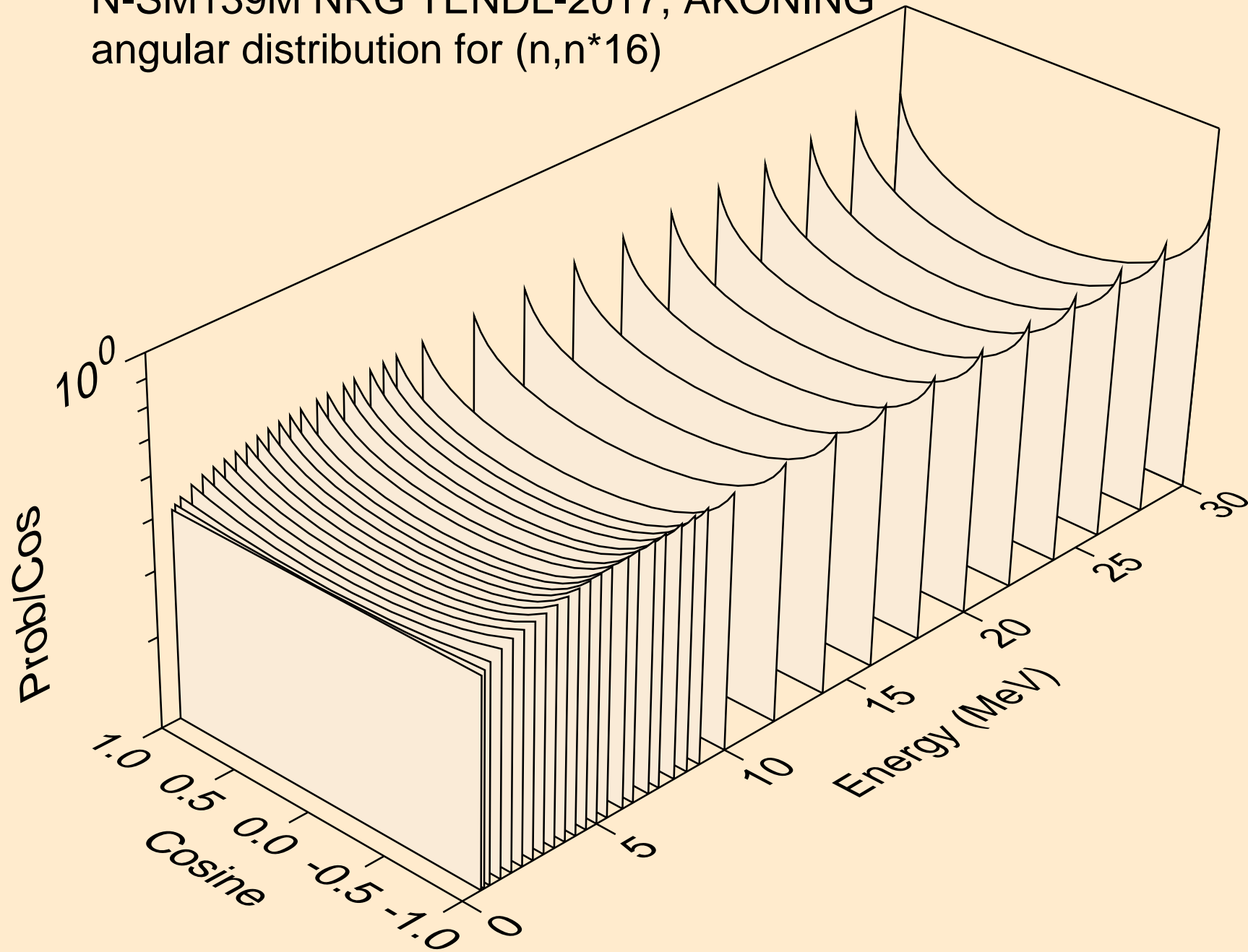
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angular distribution for (n,n*14)



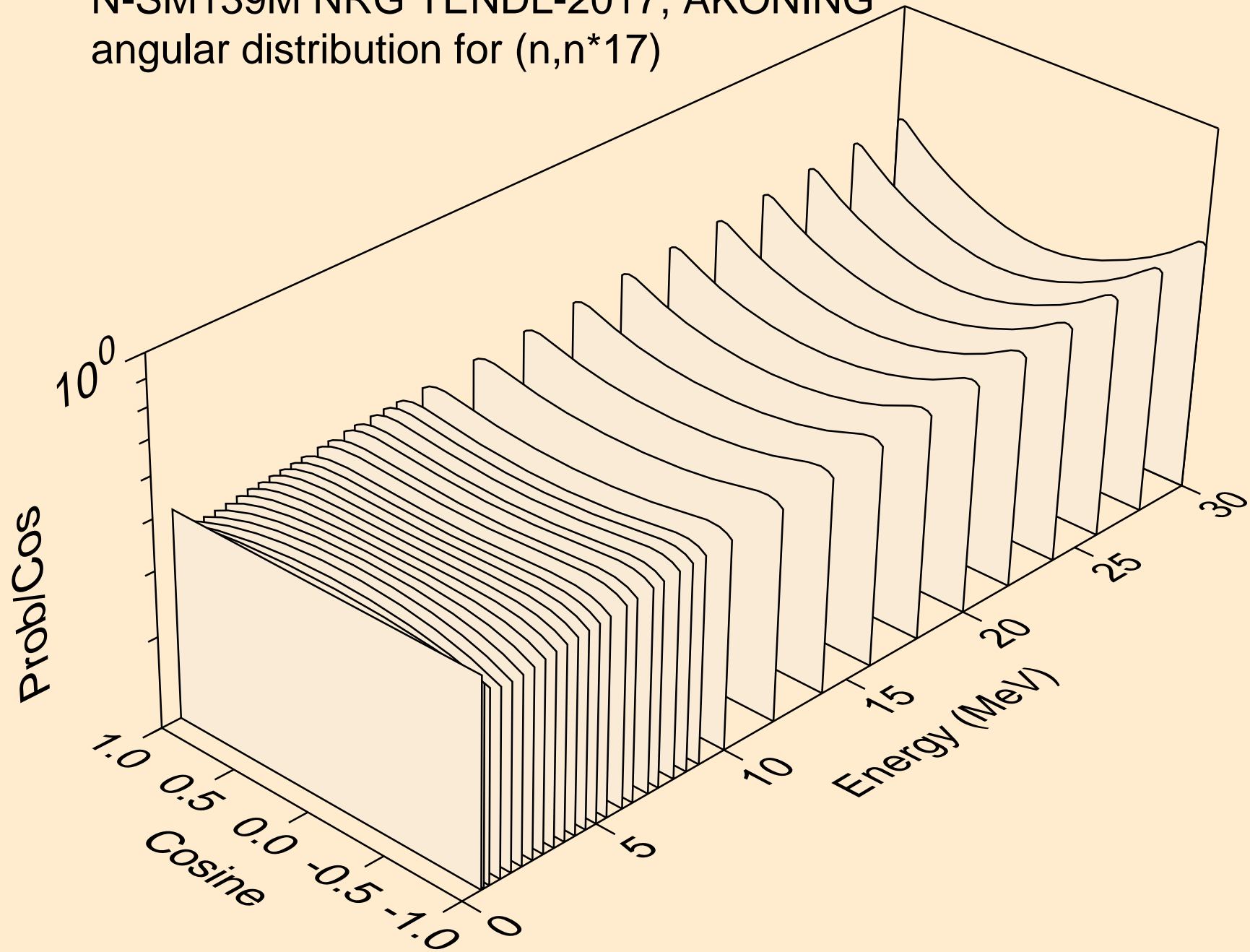
N-SM139M NRG TENDL-2017, AKONING
angular distribution for (n,n*15)



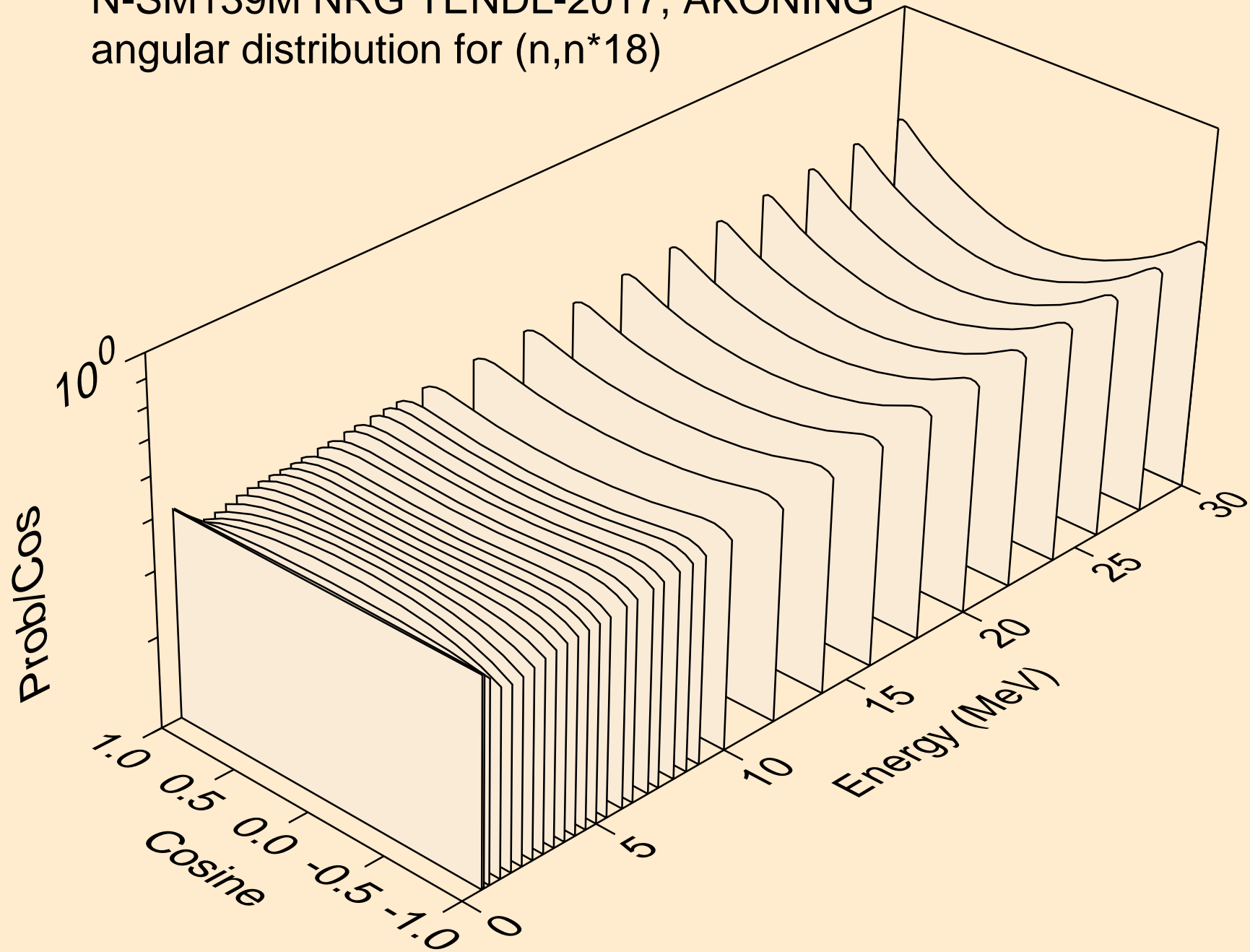
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angular distribution for (n,n*16)



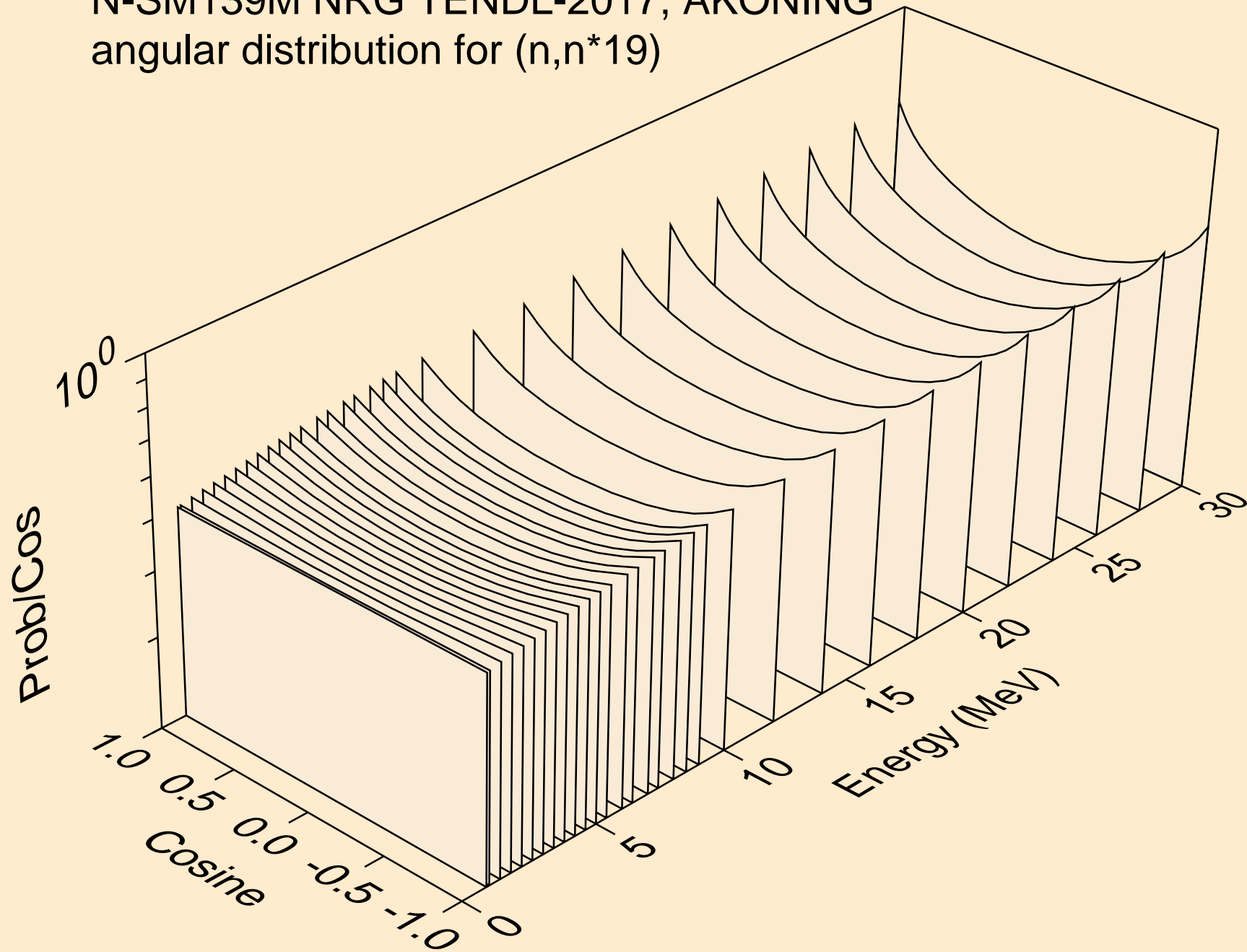
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angular distribution for (n,n*17)



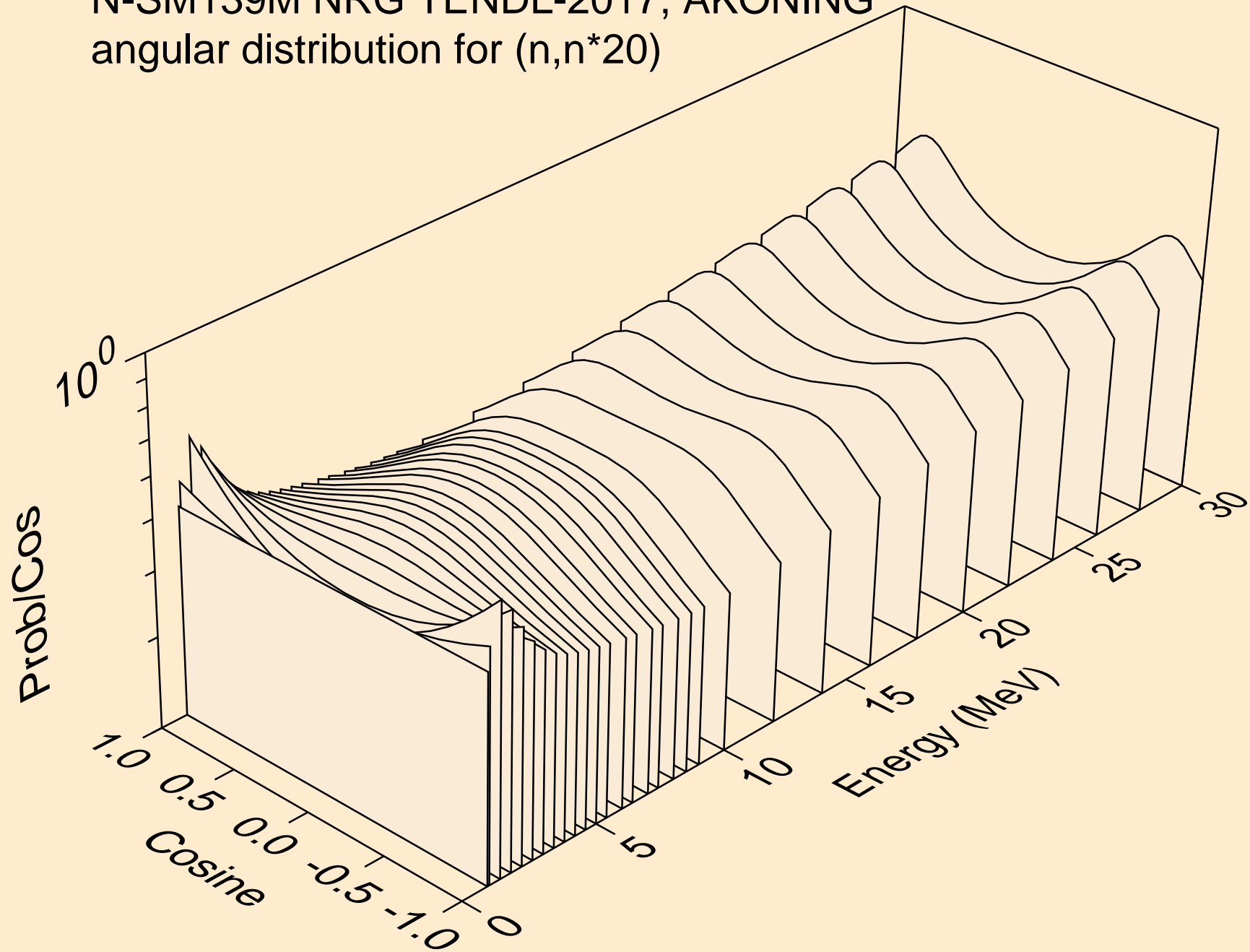
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angular distribution for (n,n*18)



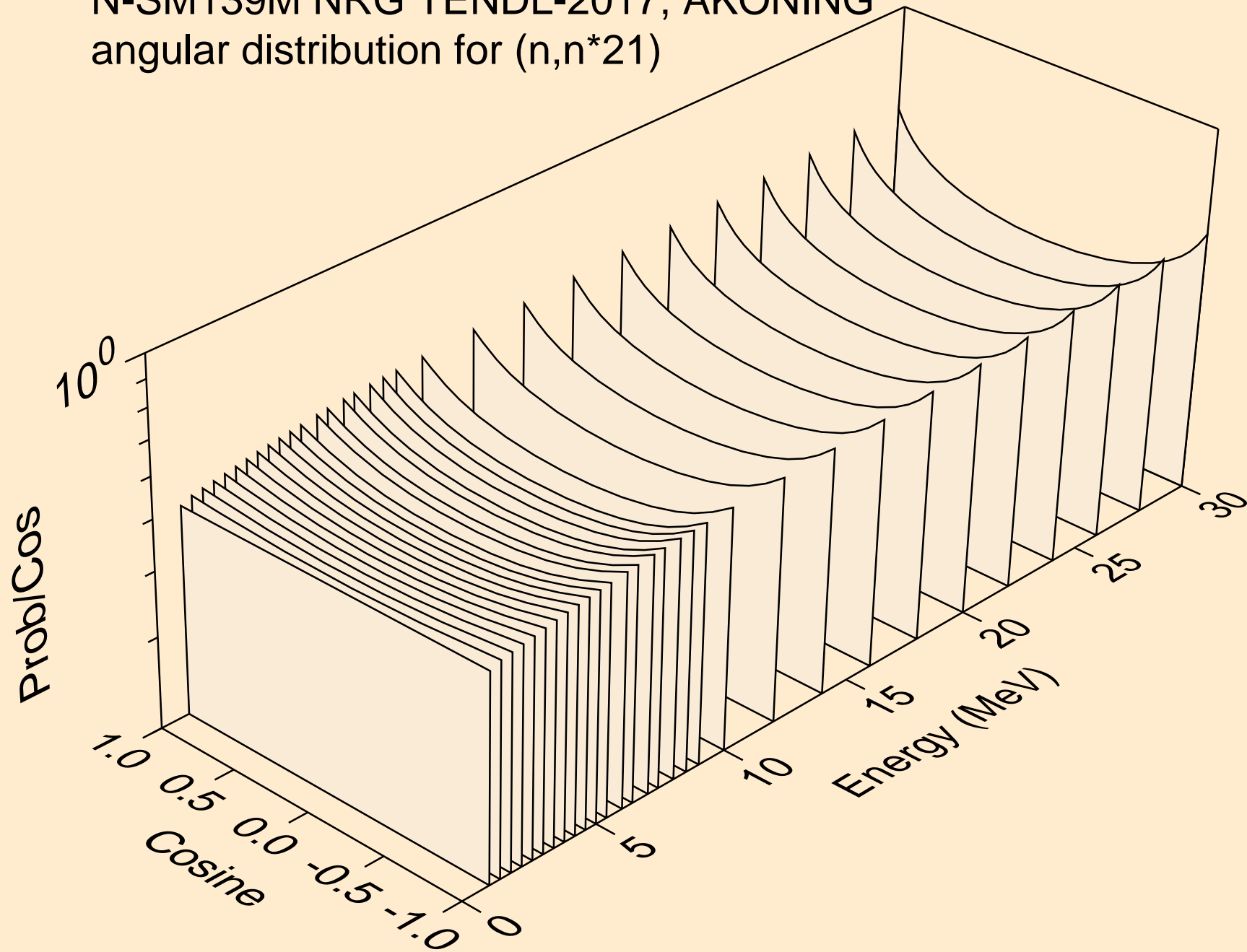
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angular distribution for (n,n*19)



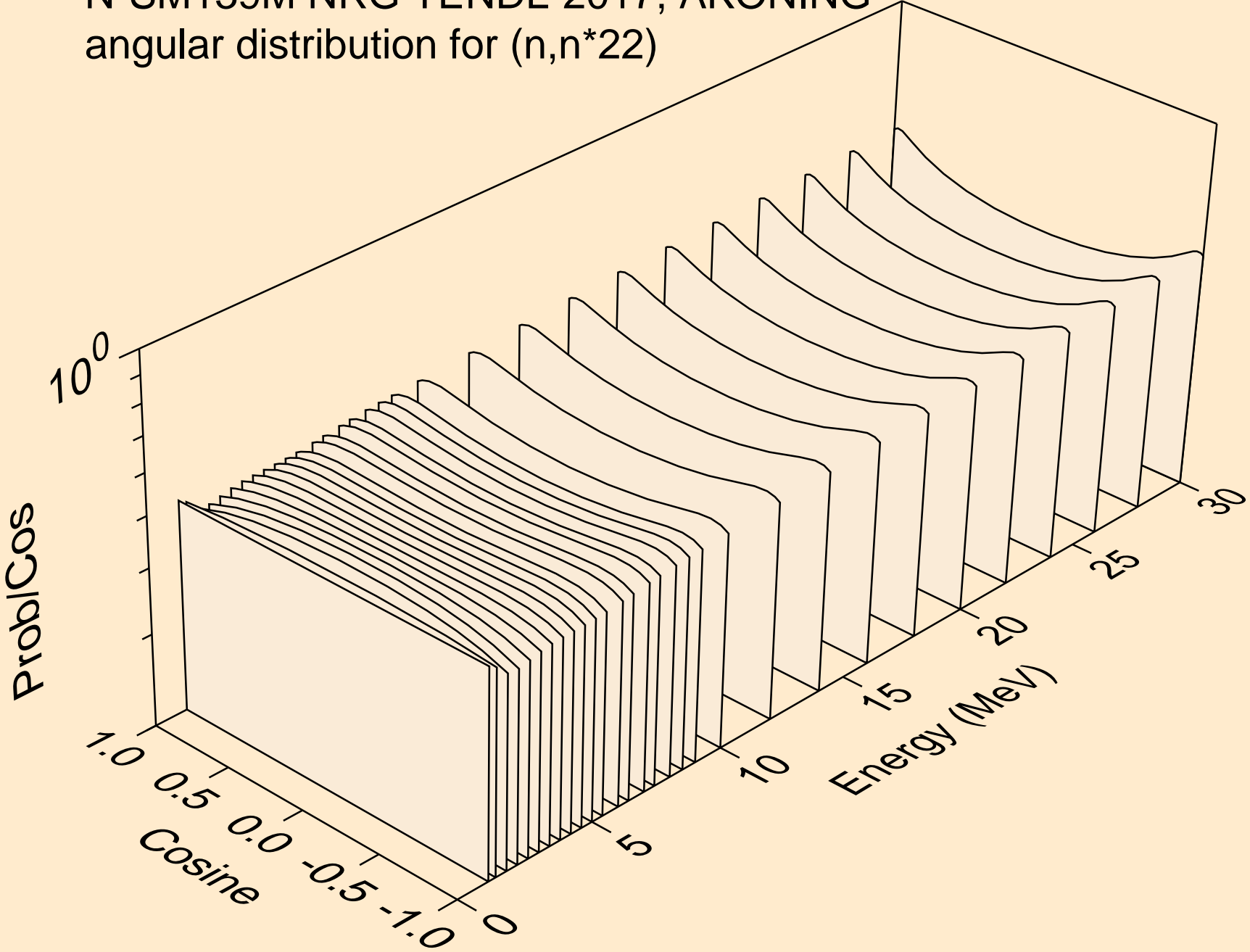
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angular distribution for (n,n*20)



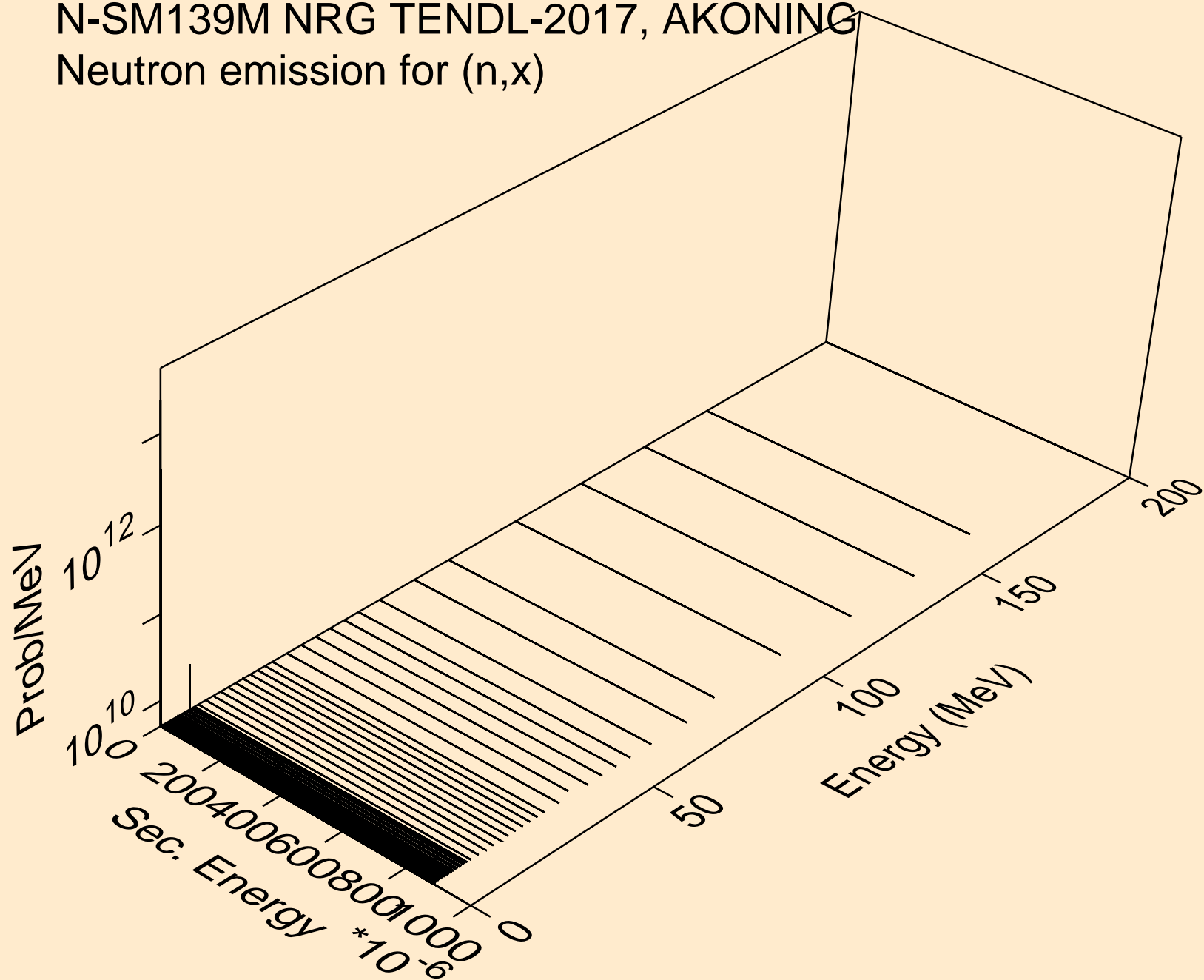
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angular distribution for (n,n*21)



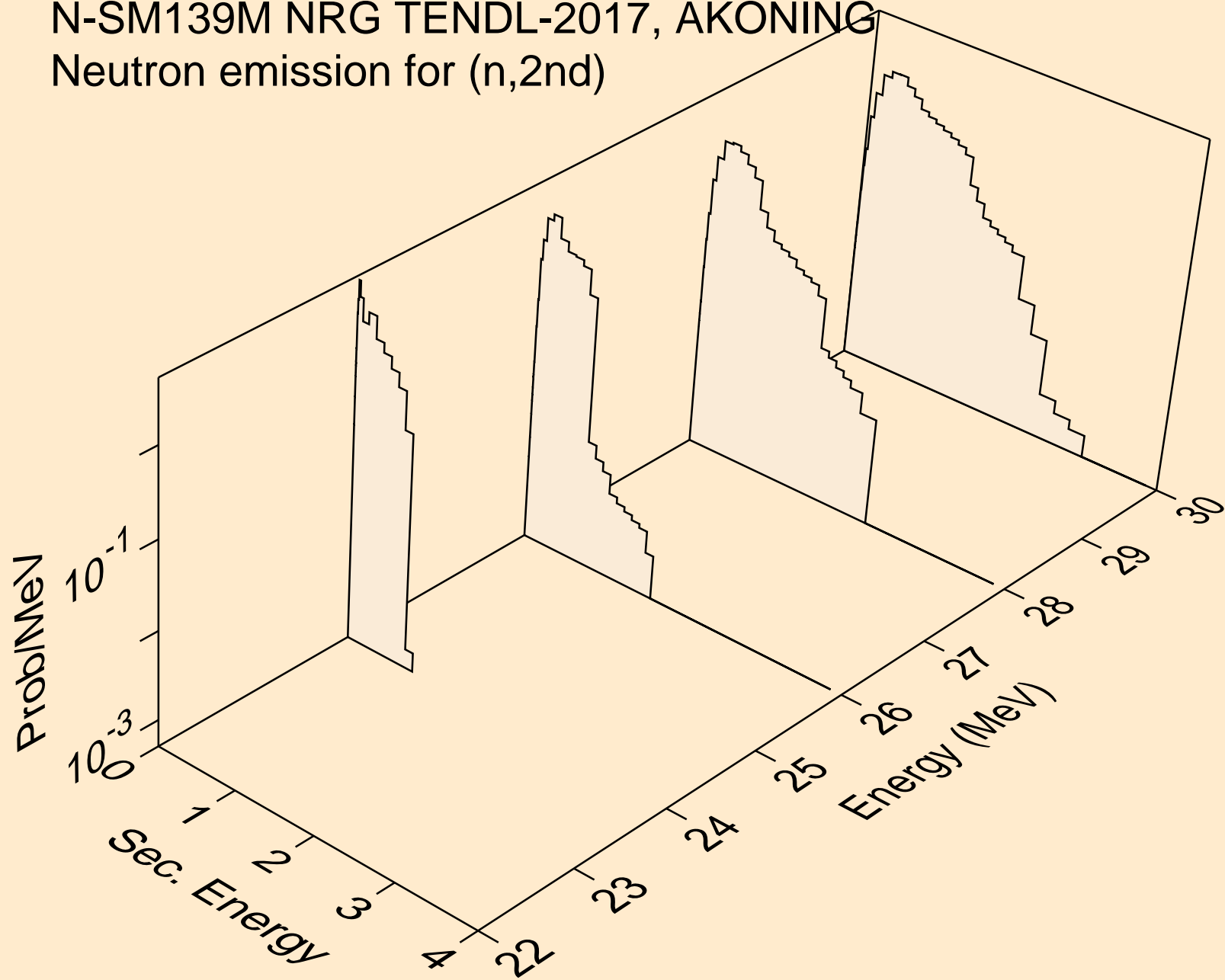
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angular distribution for (n,n*22)



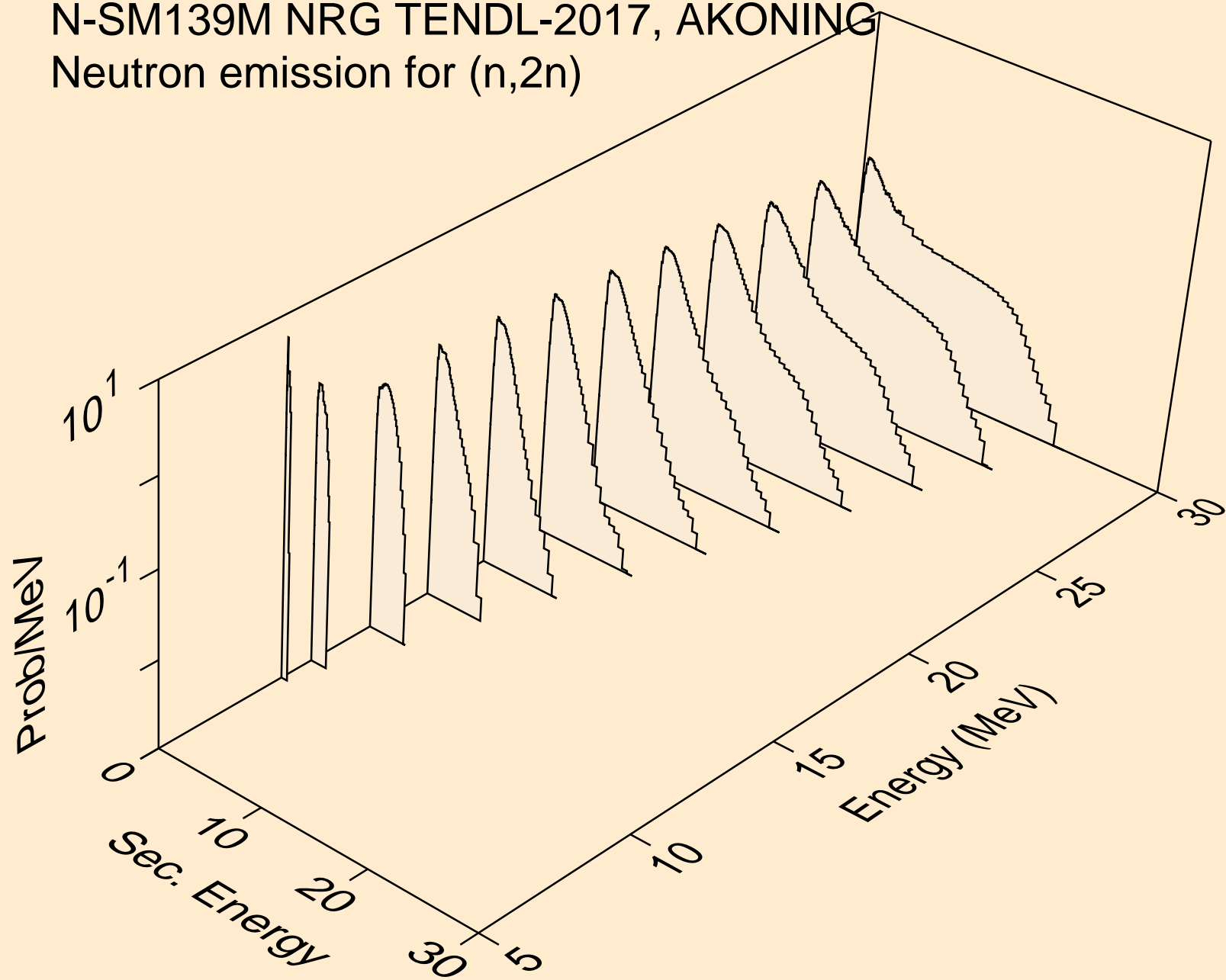
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,x)



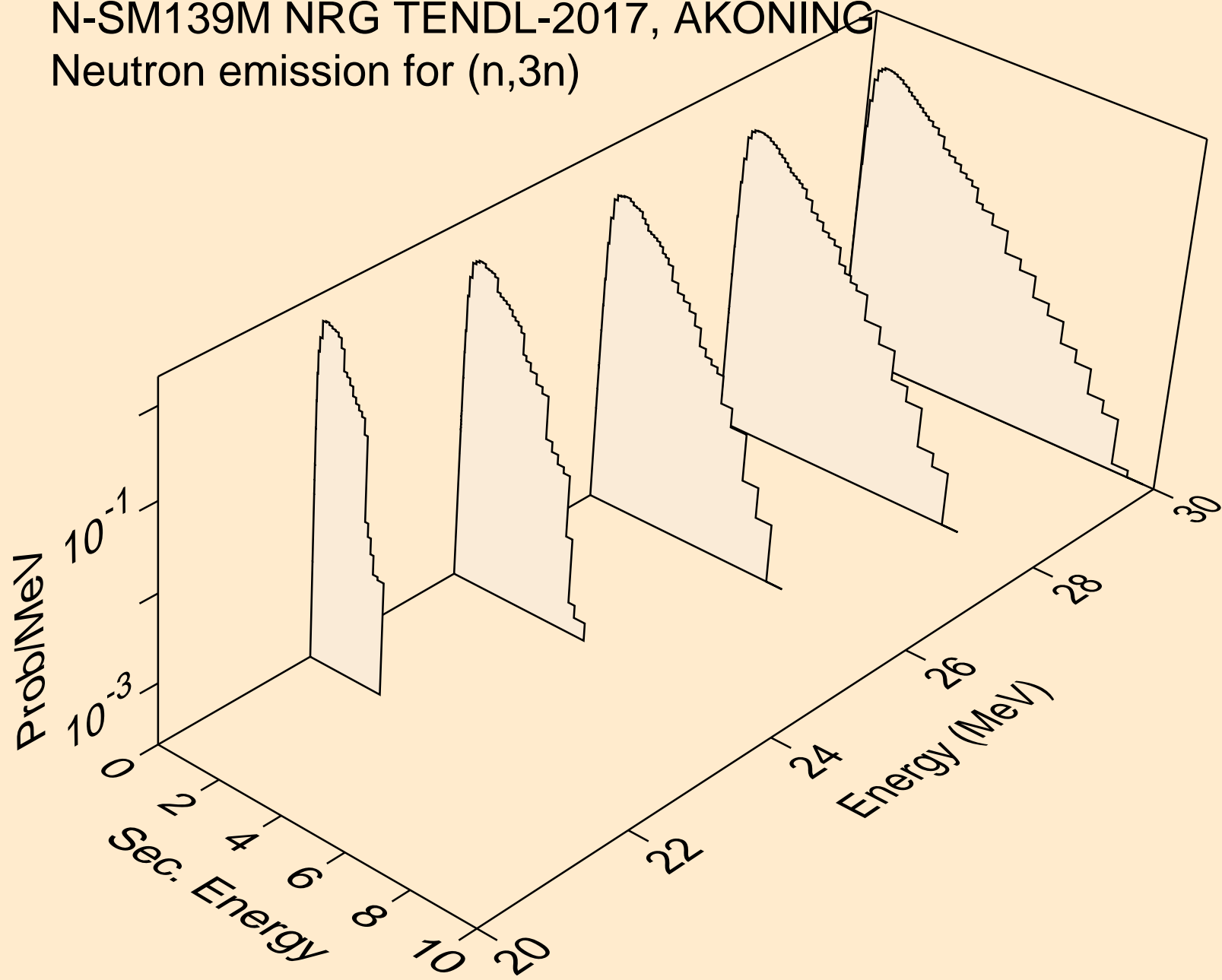
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,2nd)



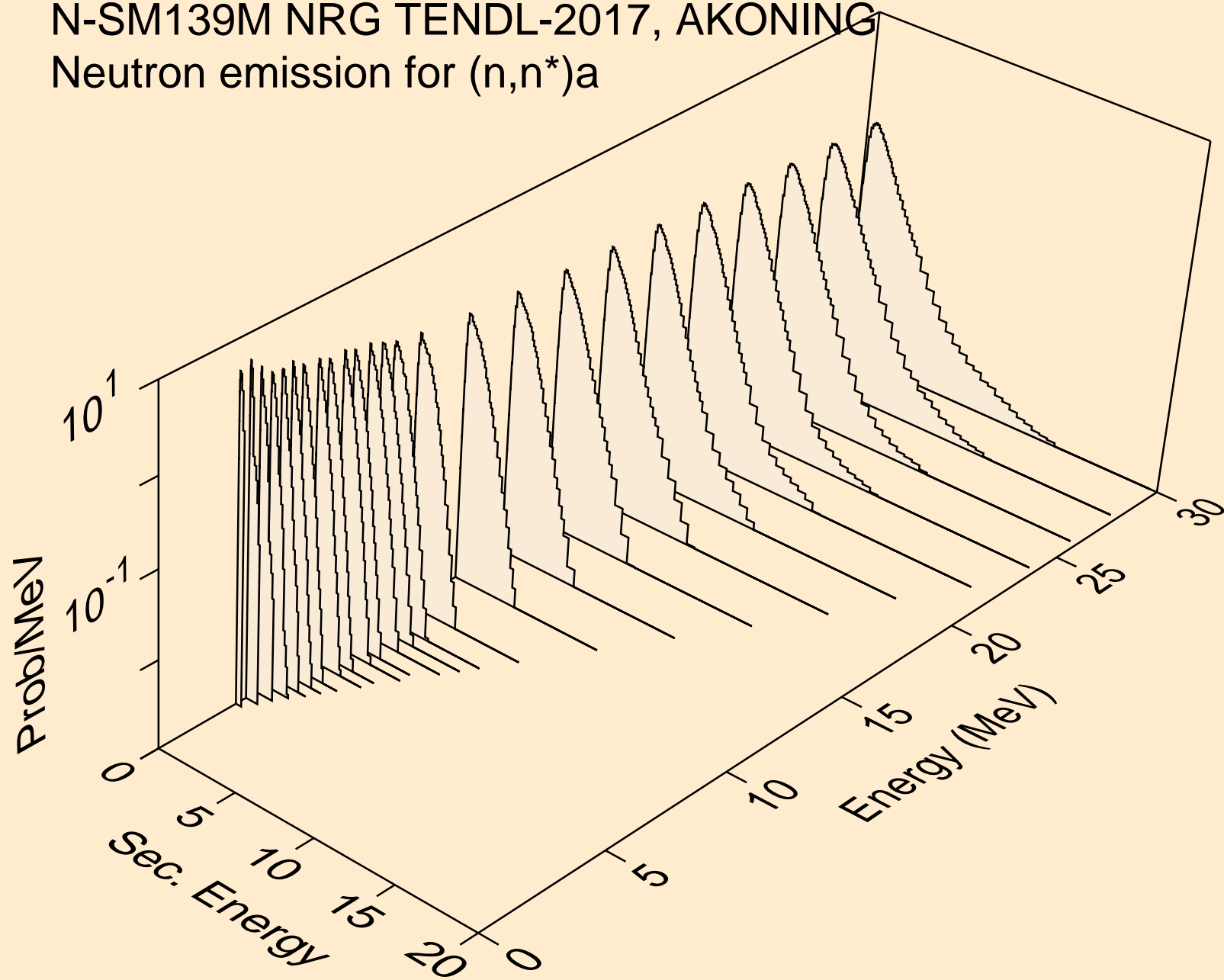
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,2n)



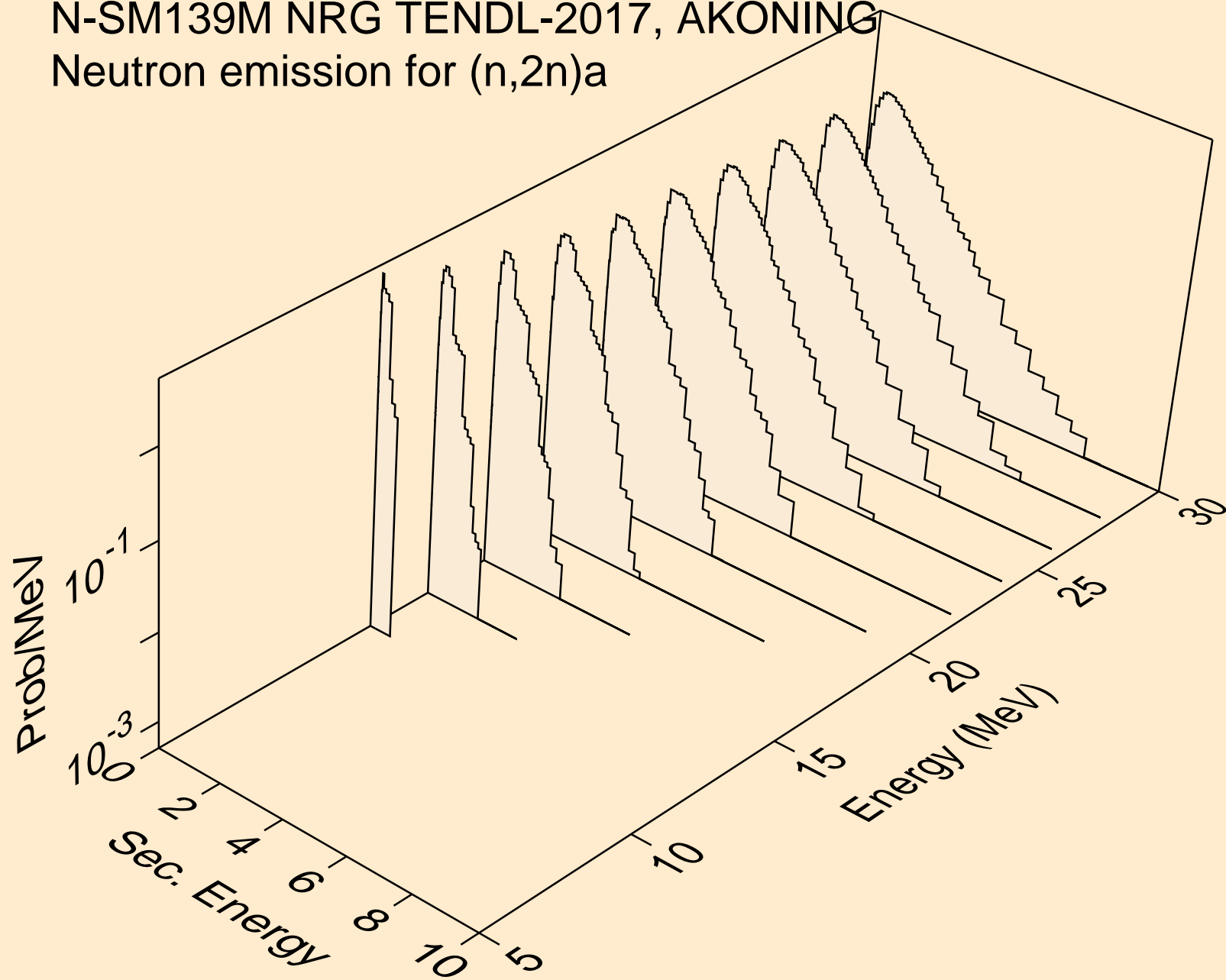
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,3n)



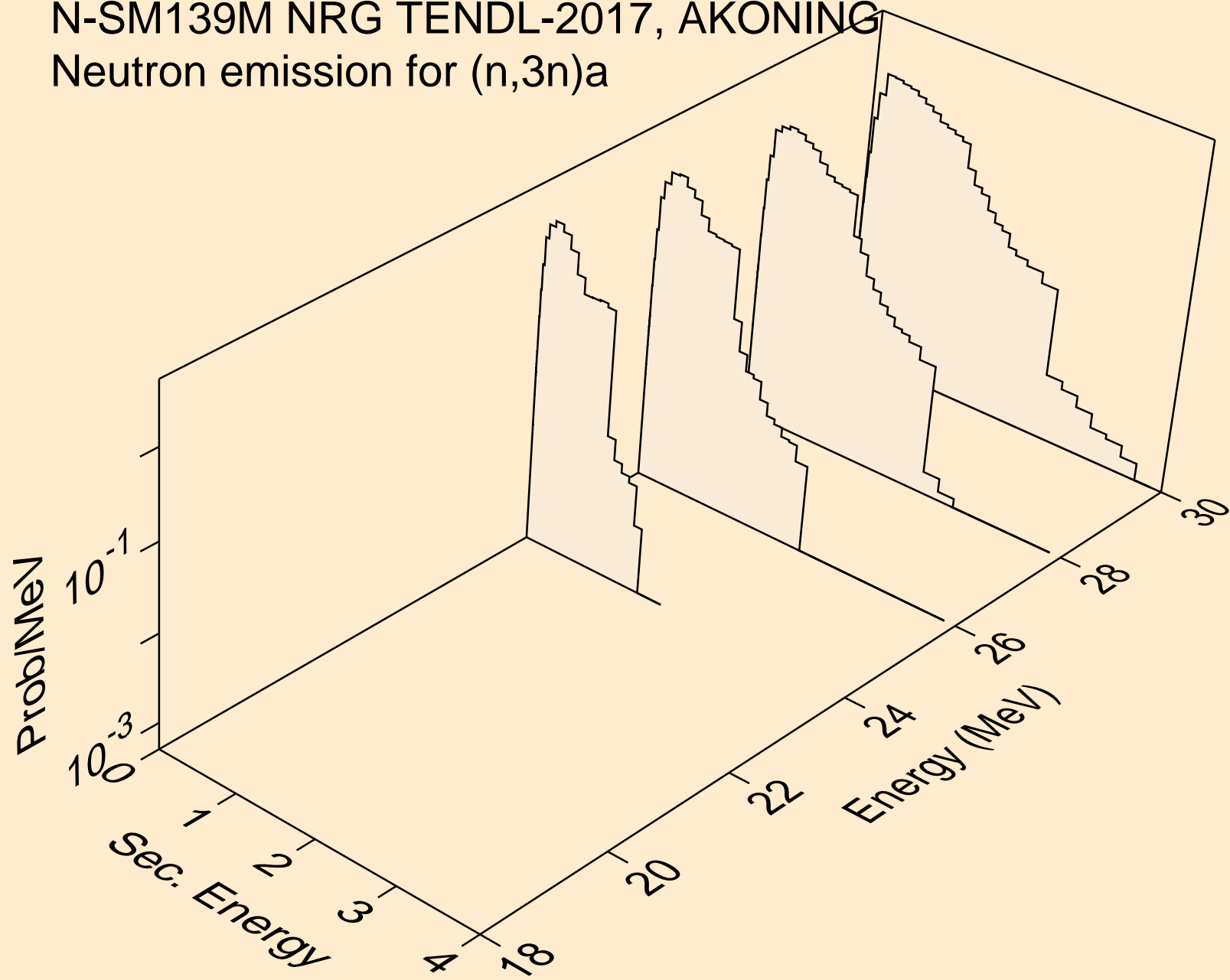
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,n*)a



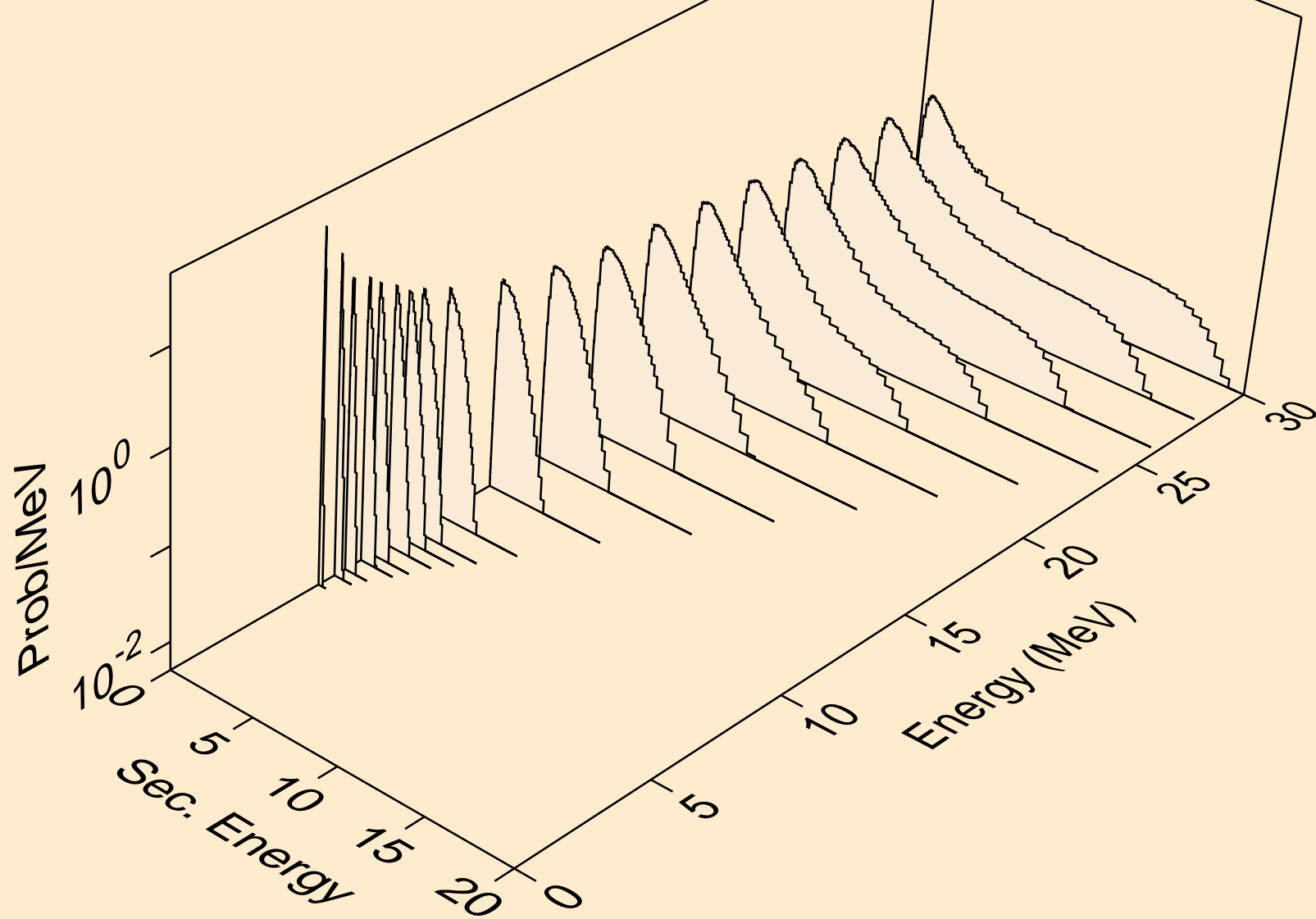
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,2n)a



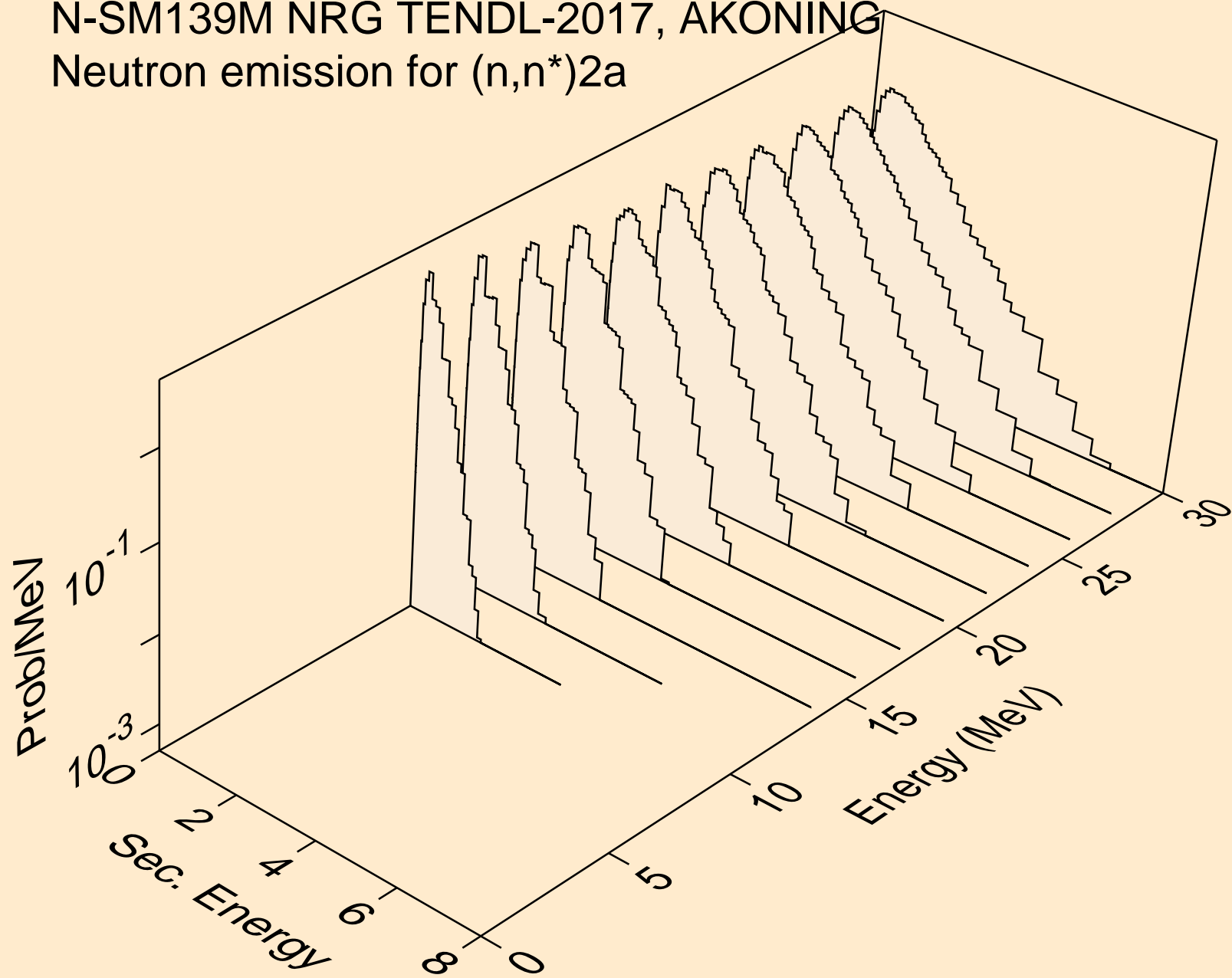
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,3n)a



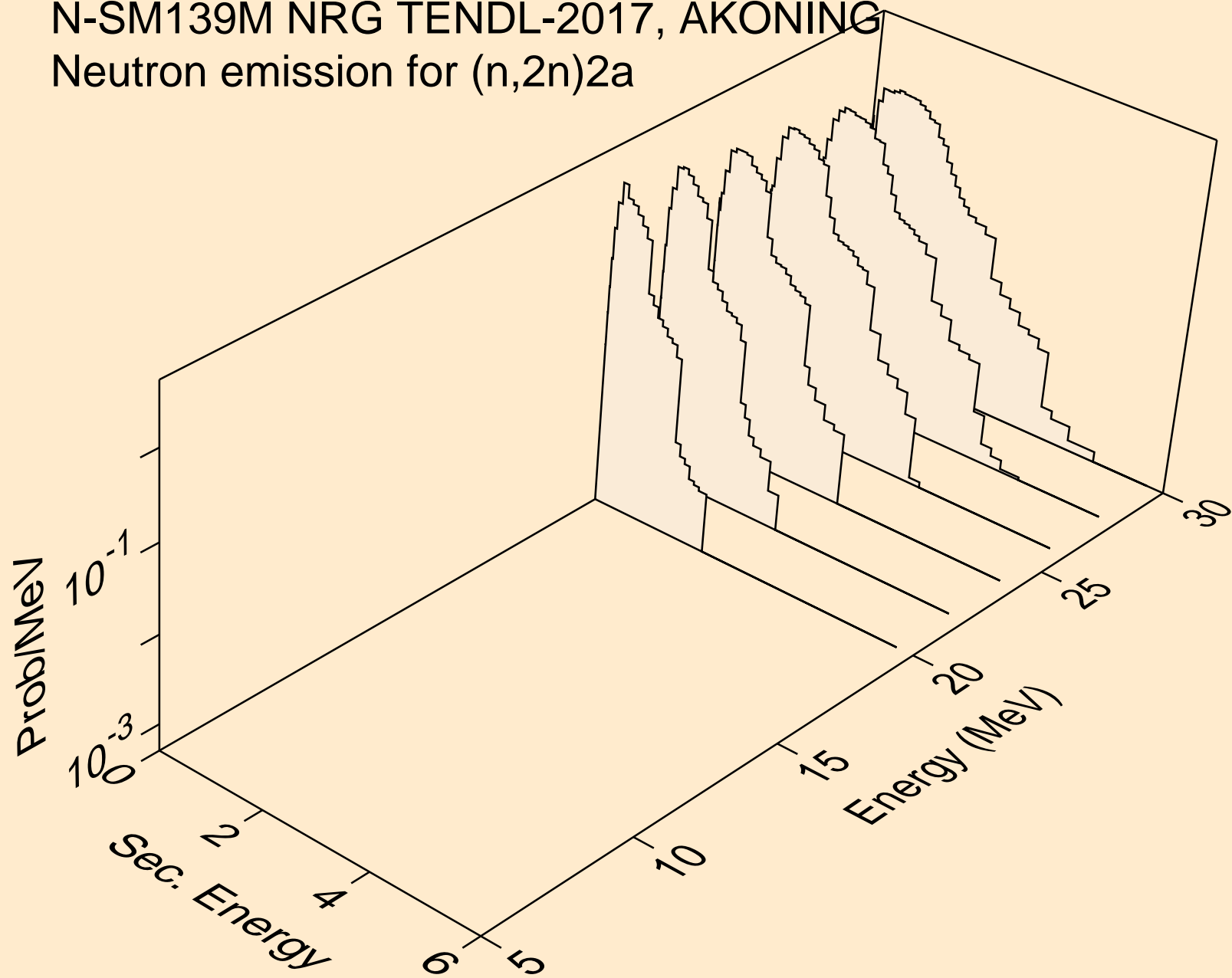
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,n*)p



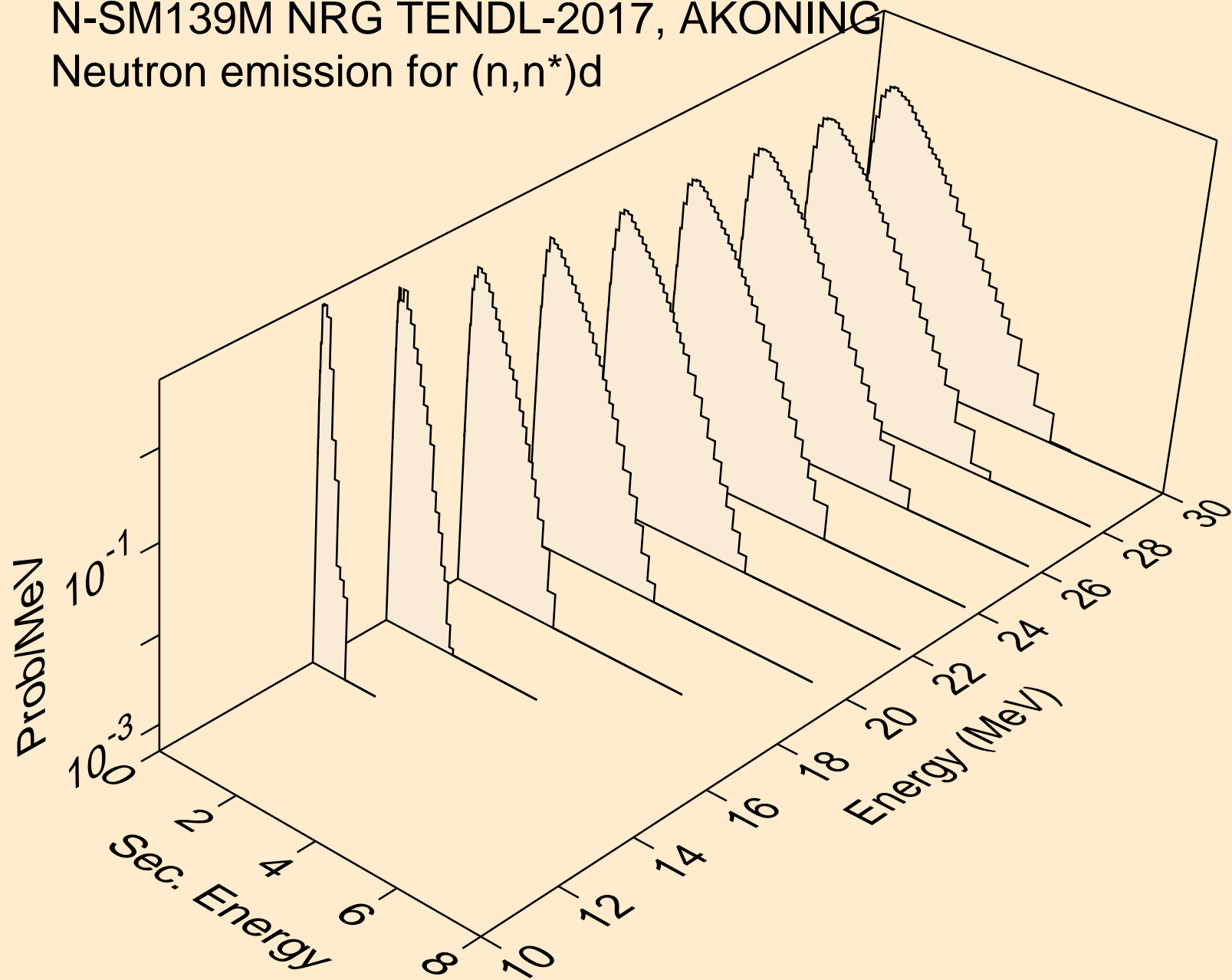
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,n*)2a



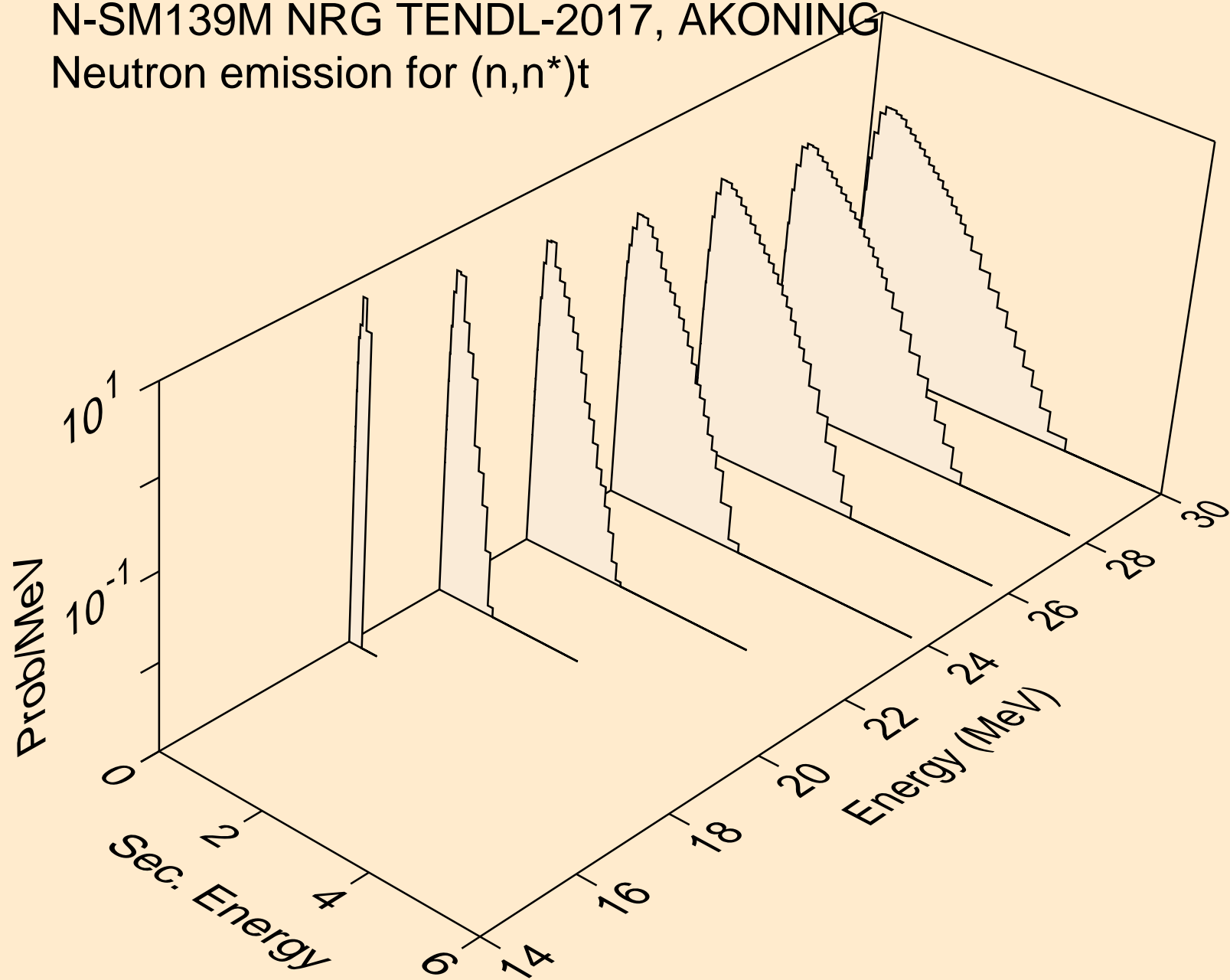
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,2n)2a



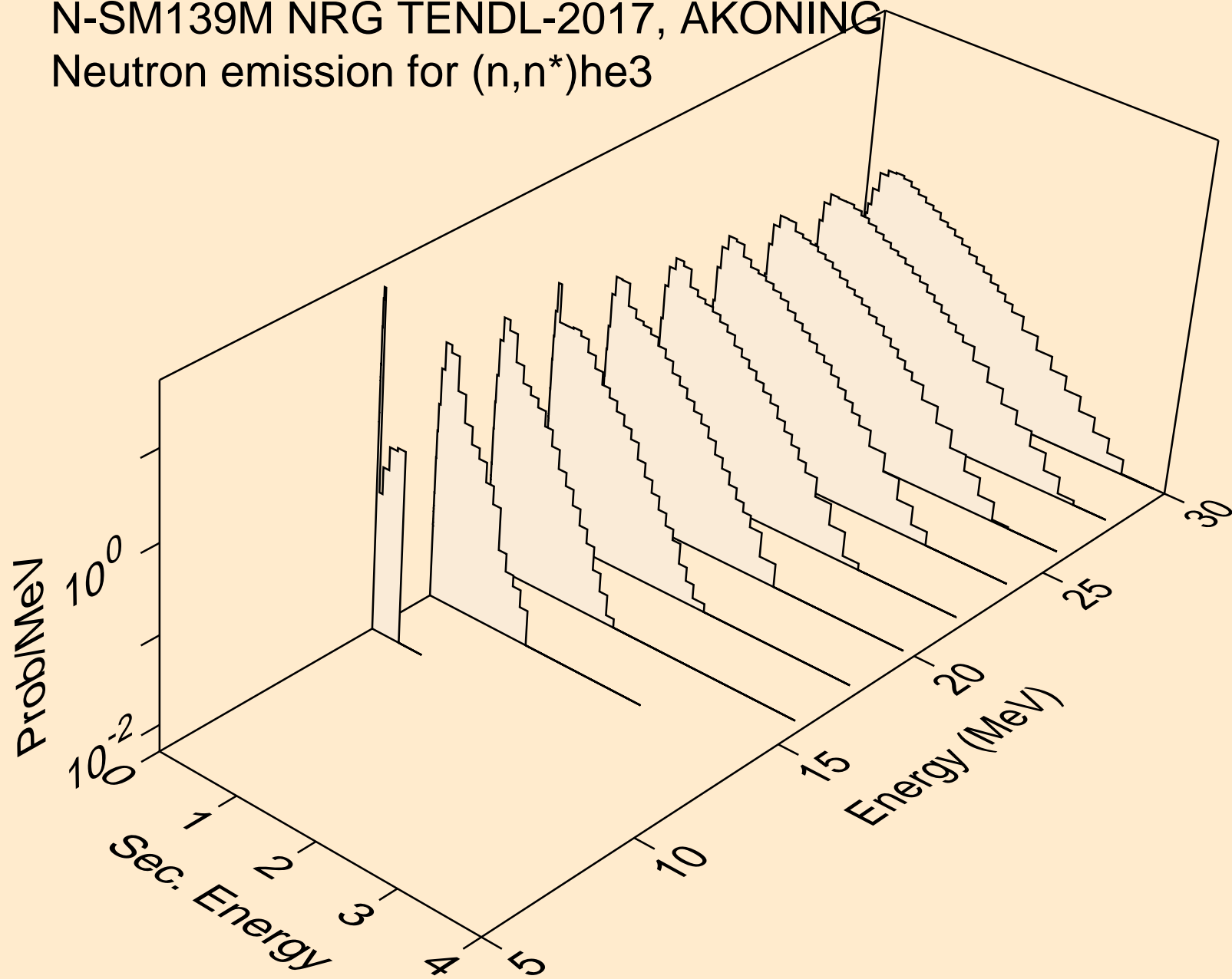
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,n*)d



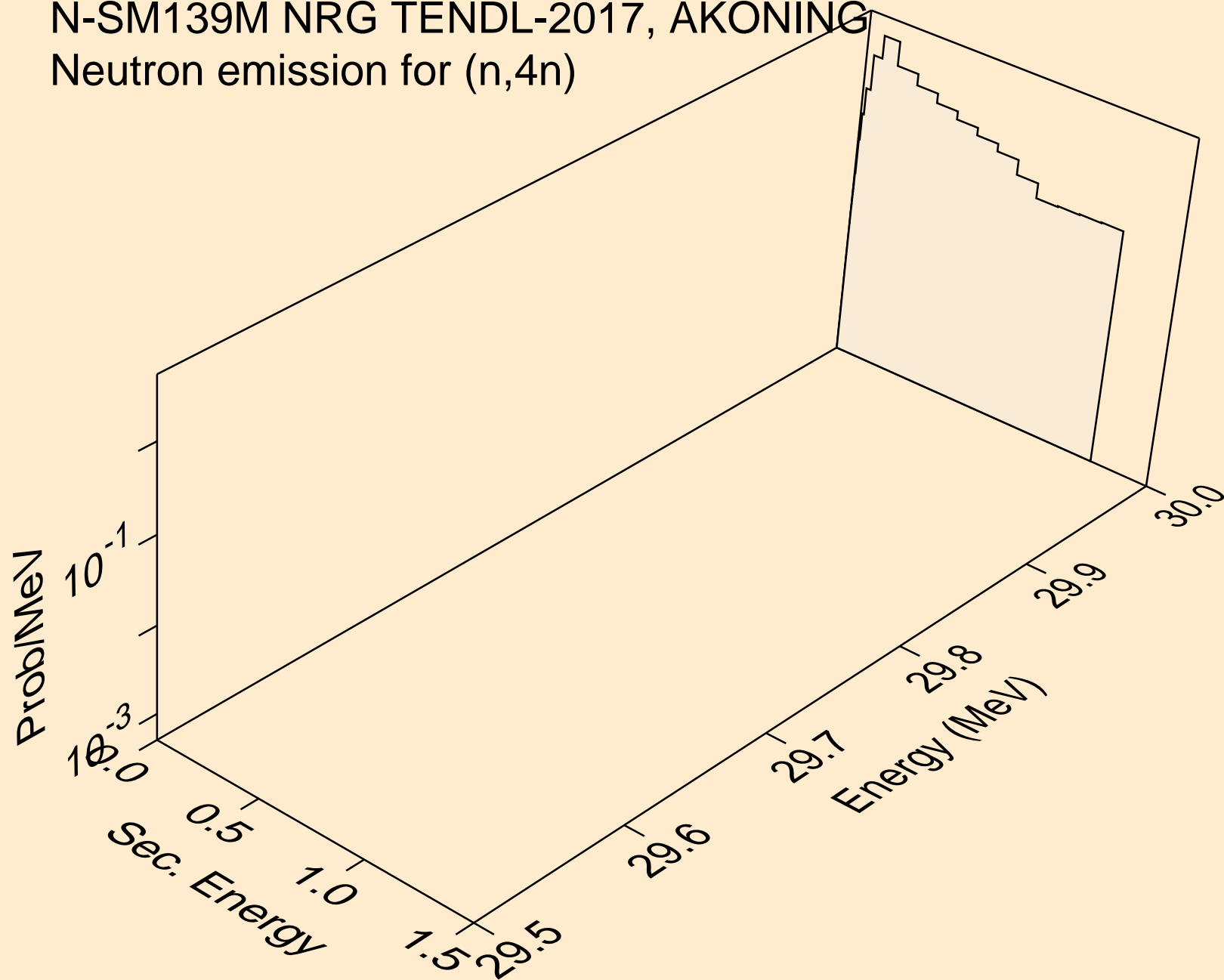
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,n*)t



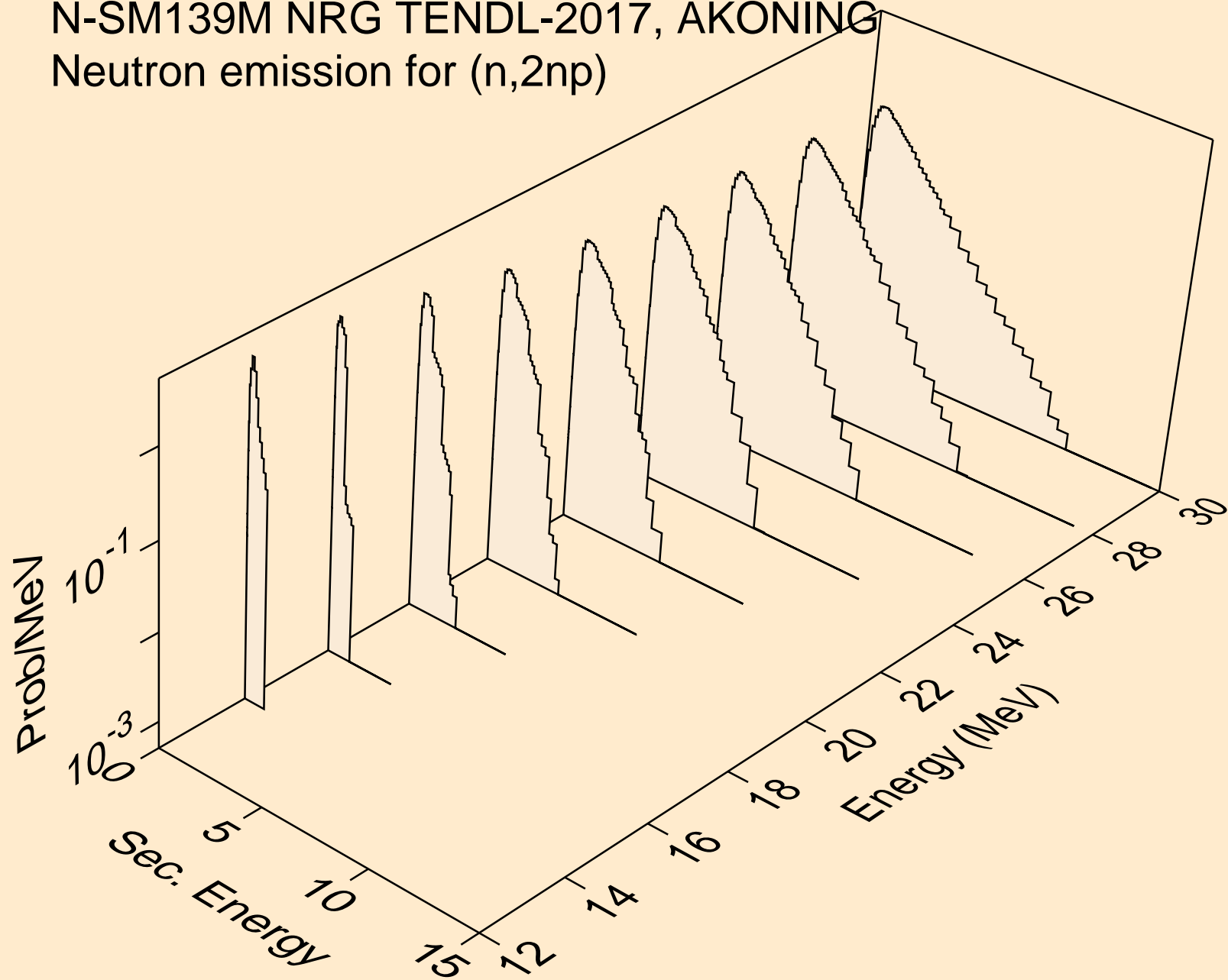
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,n*)he3



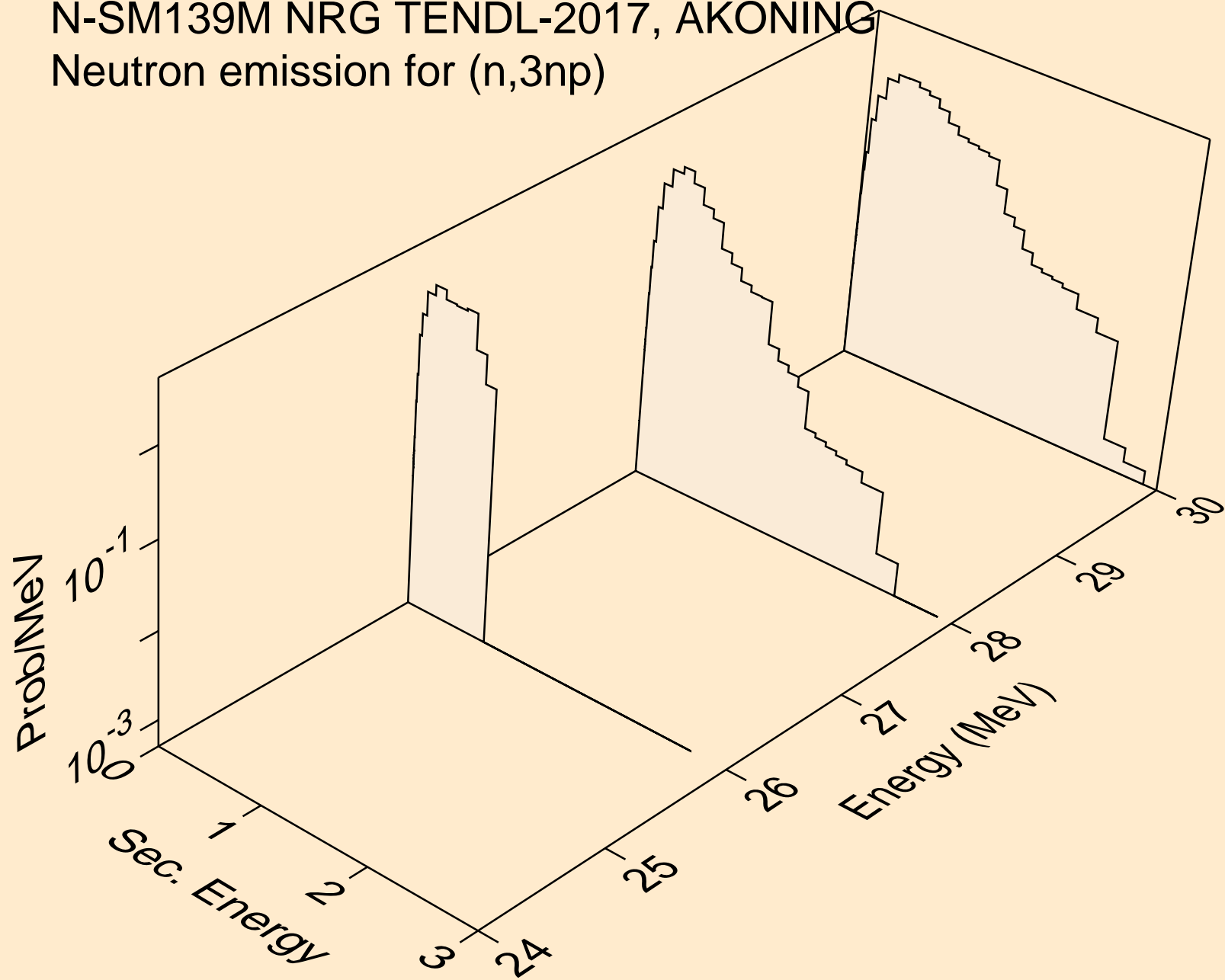
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,4n)



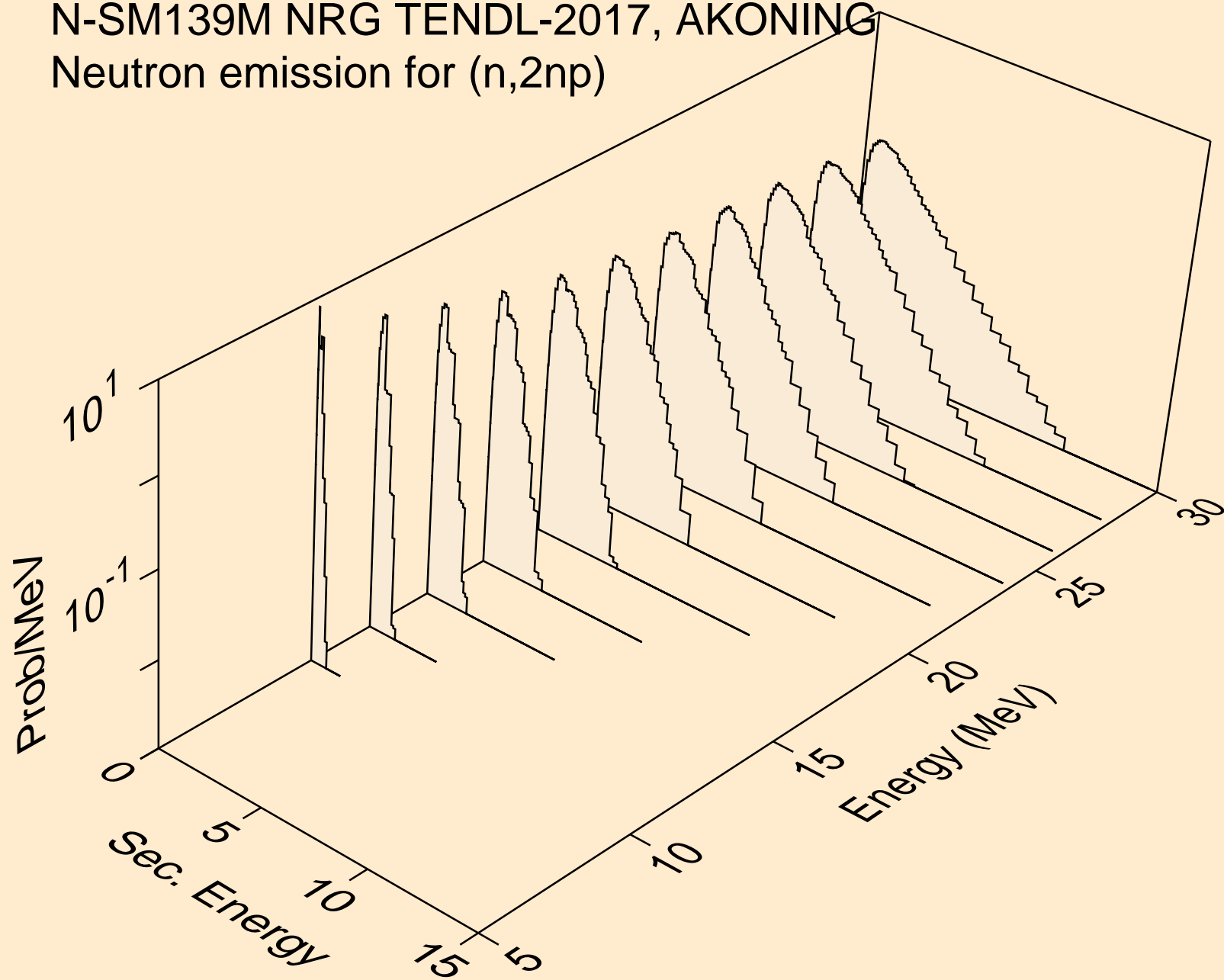
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,2np)



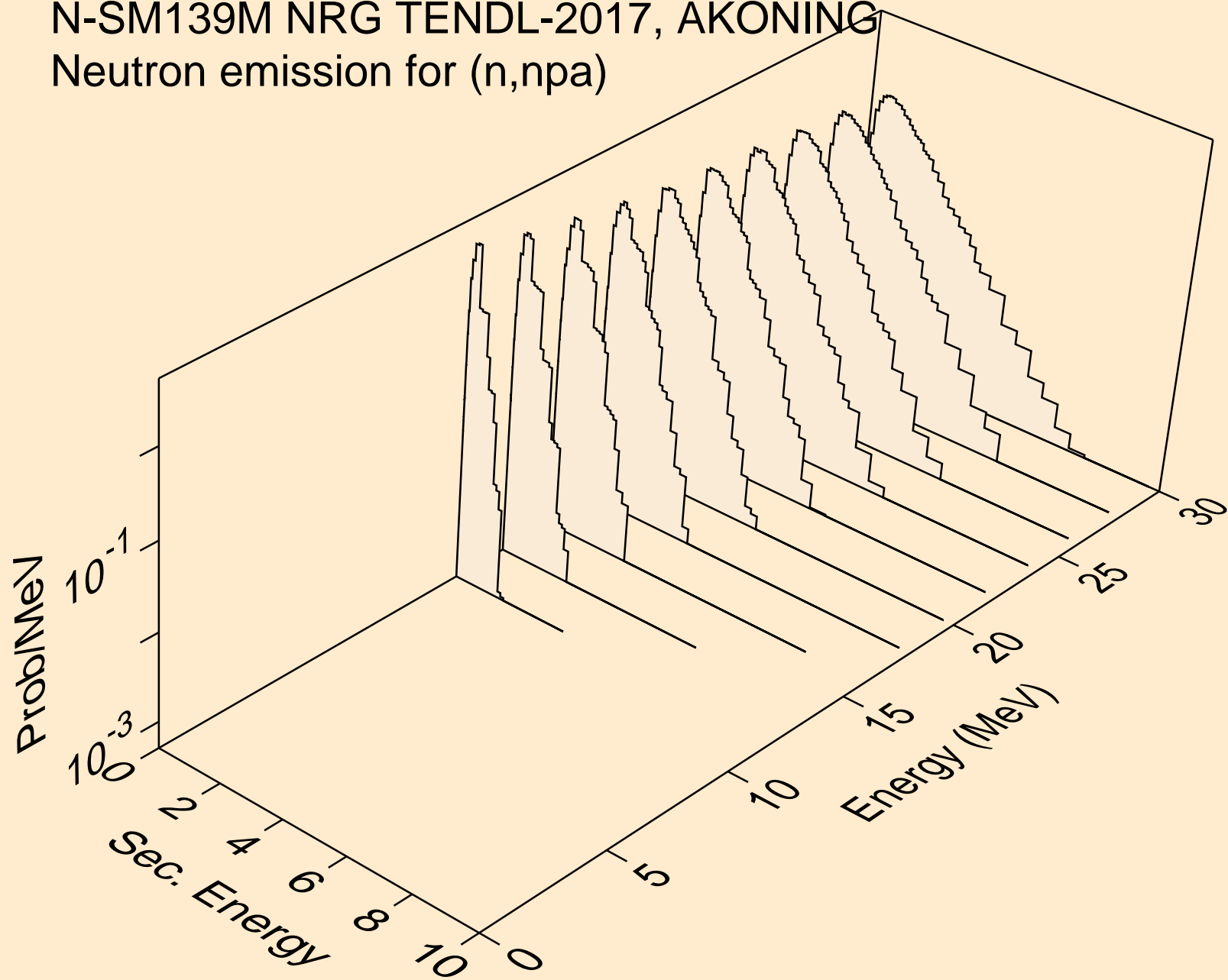
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,3np)



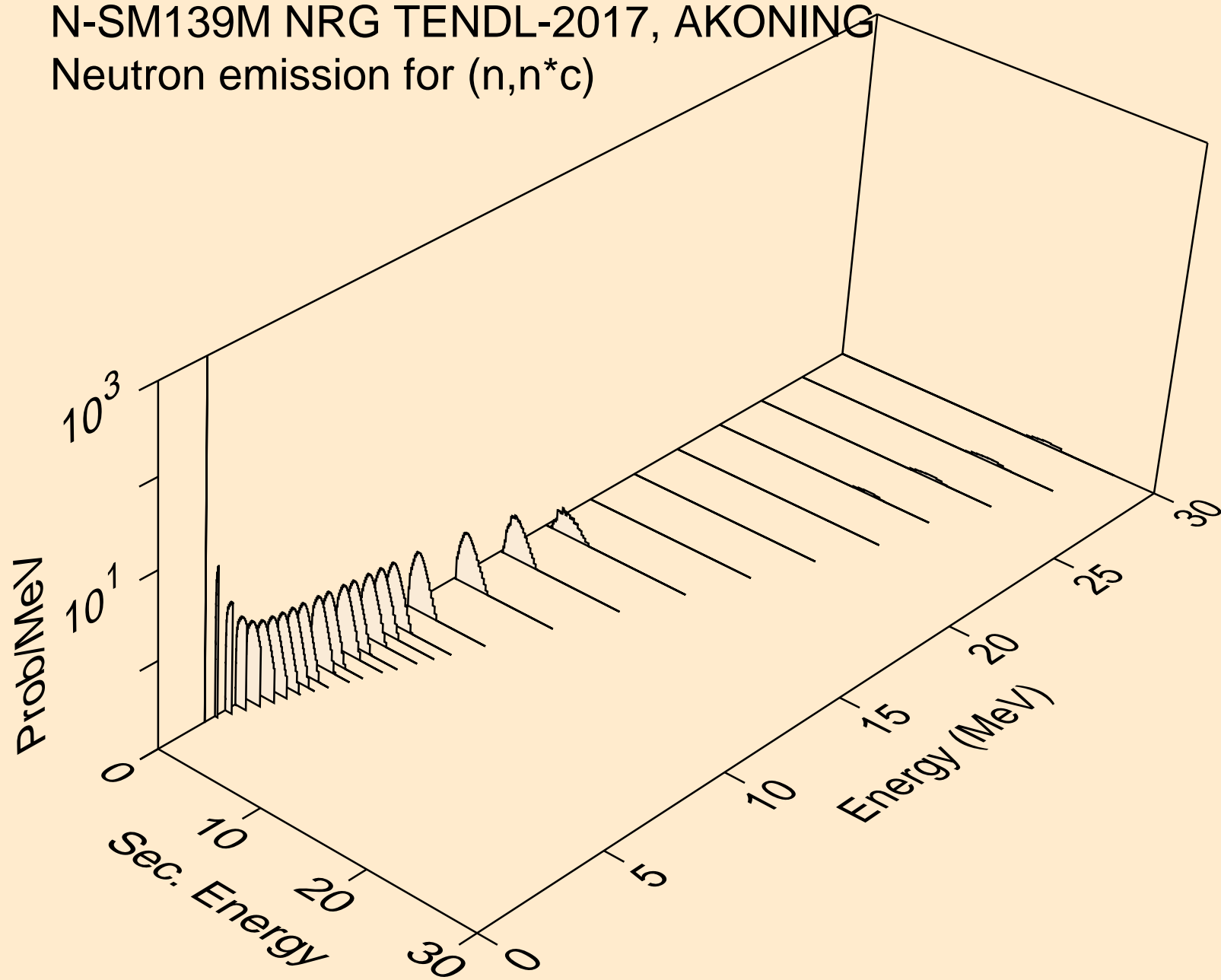
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,2np)



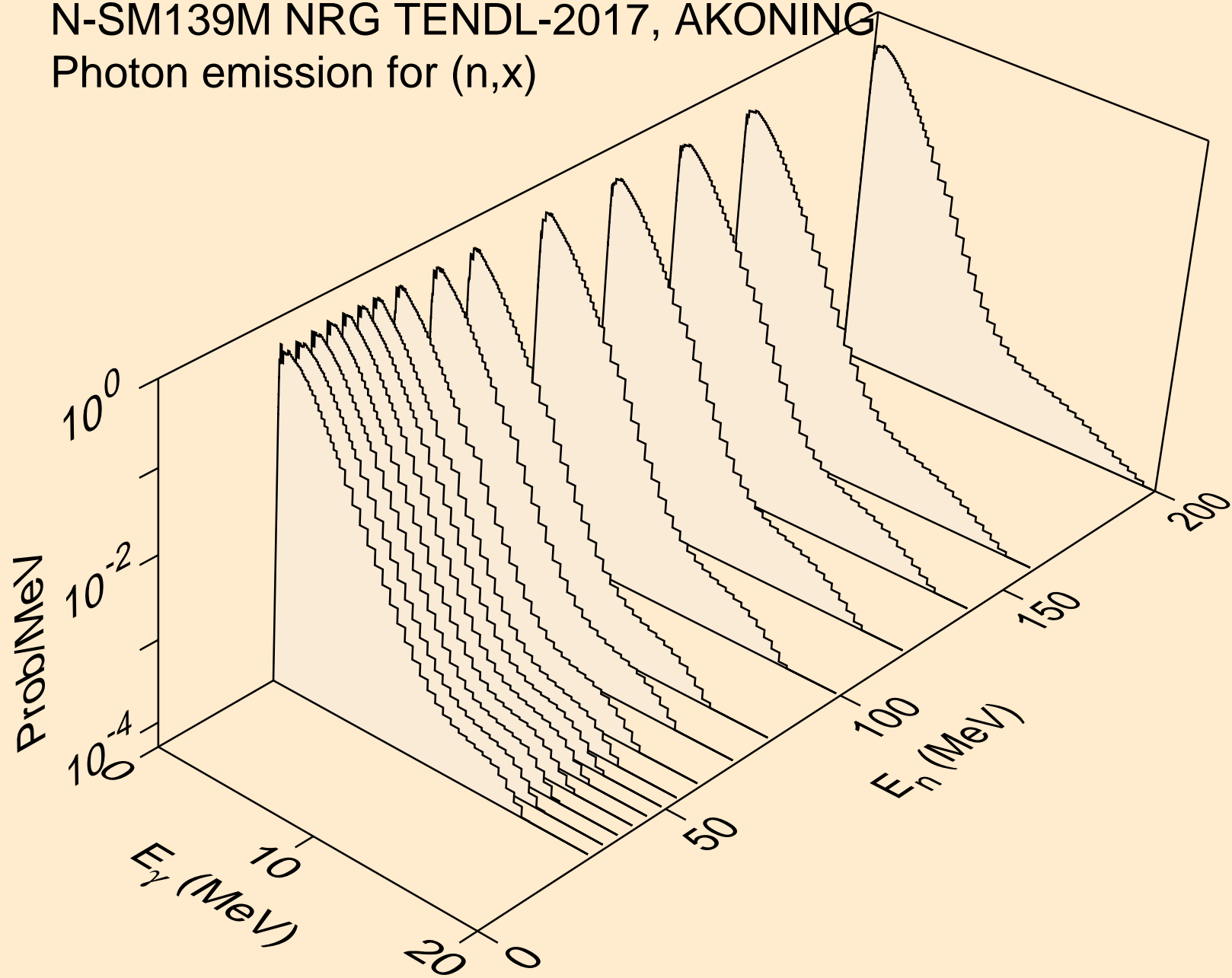
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,npa)



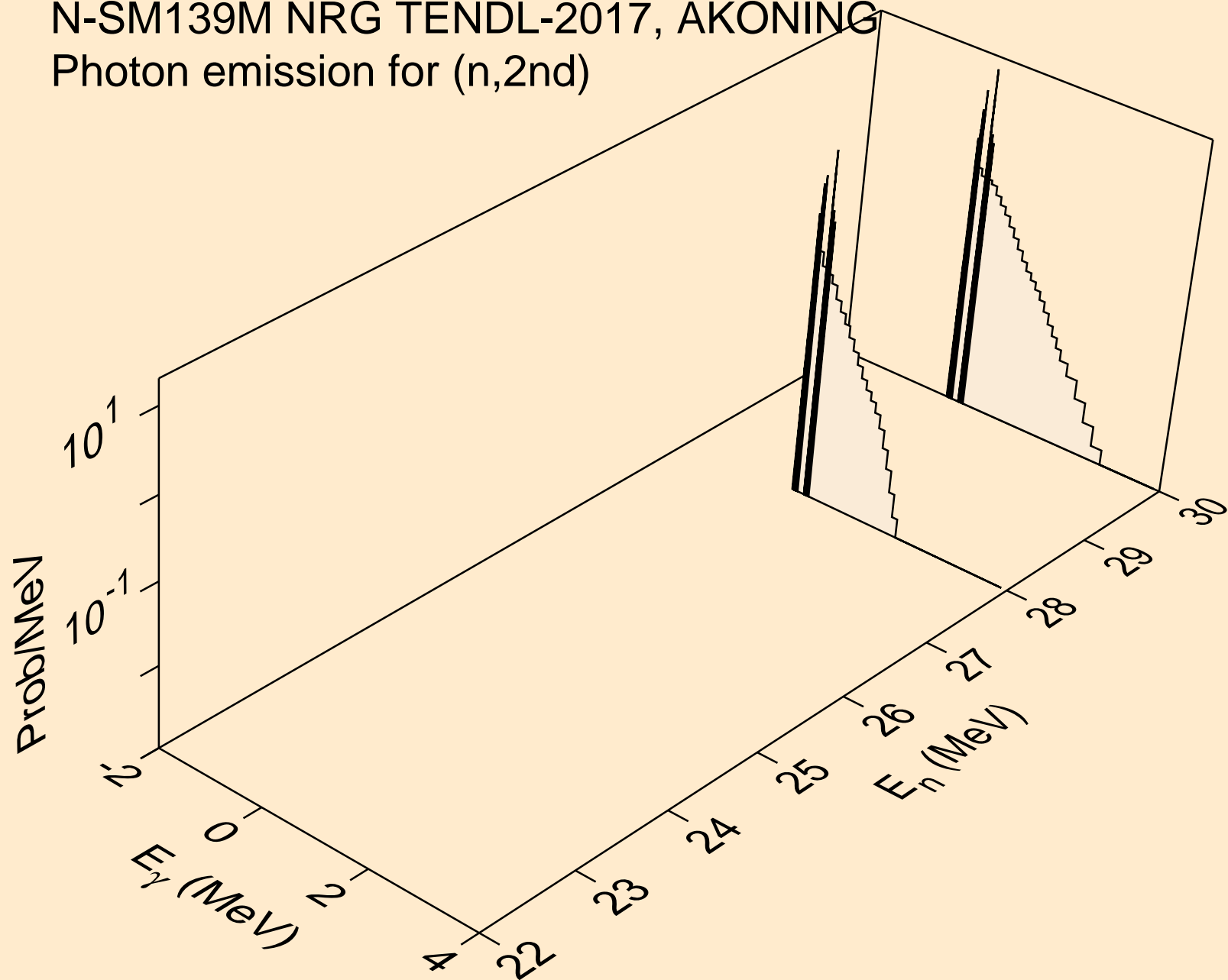
N-SM139M NRG TENDL-2017, AKONING
Neutron emission for (n,n*c)



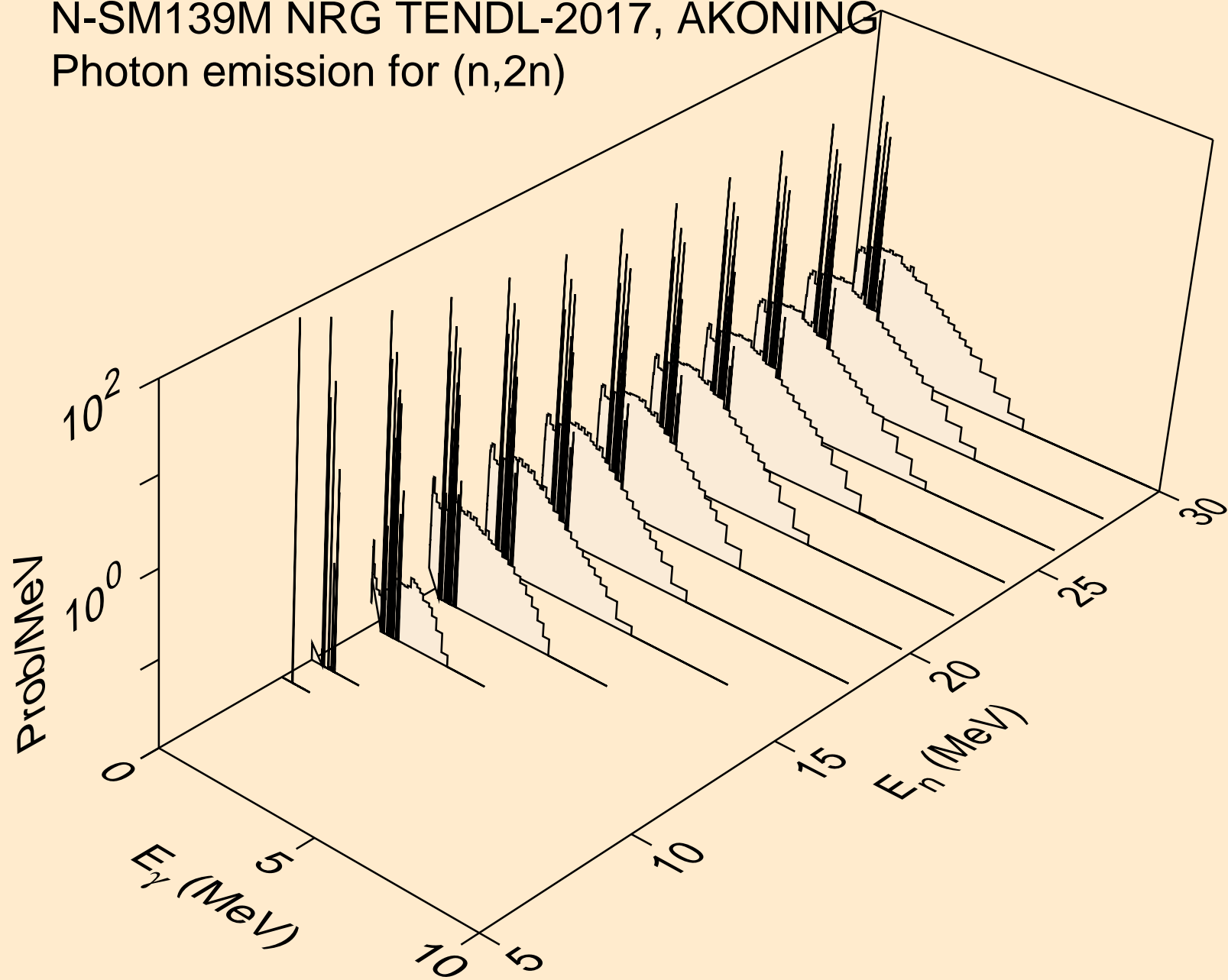
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,x)



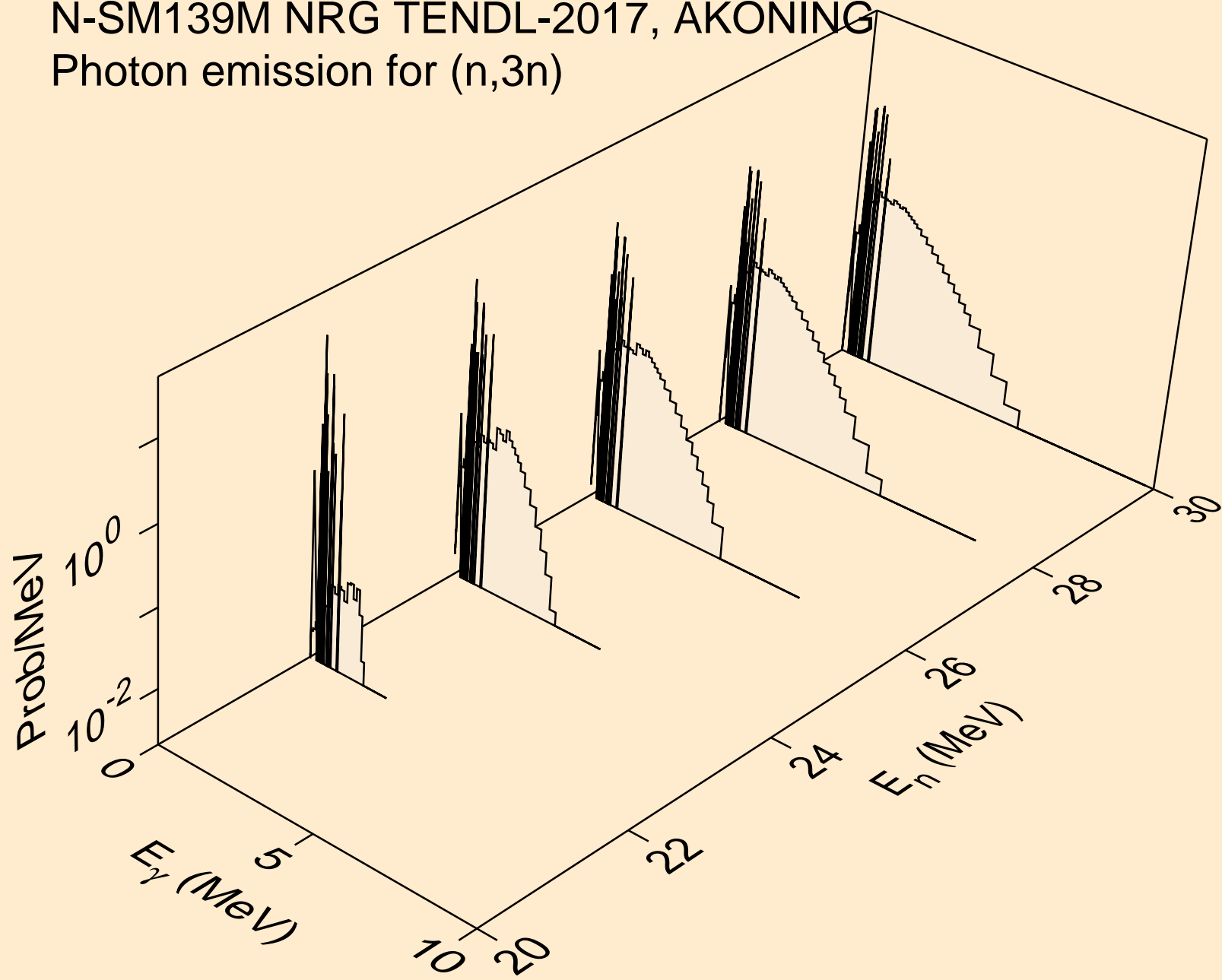
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,2nd)



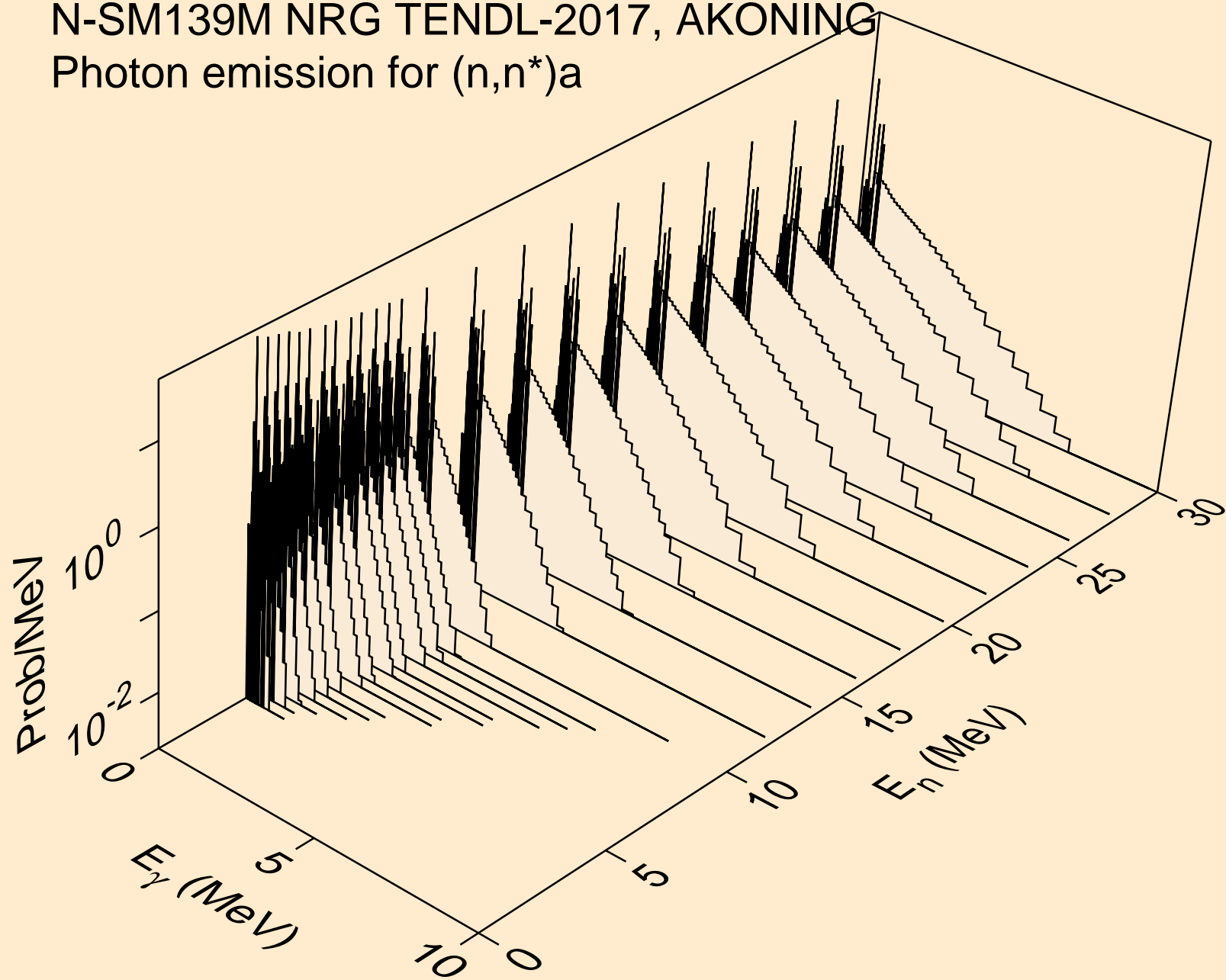
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,2n)



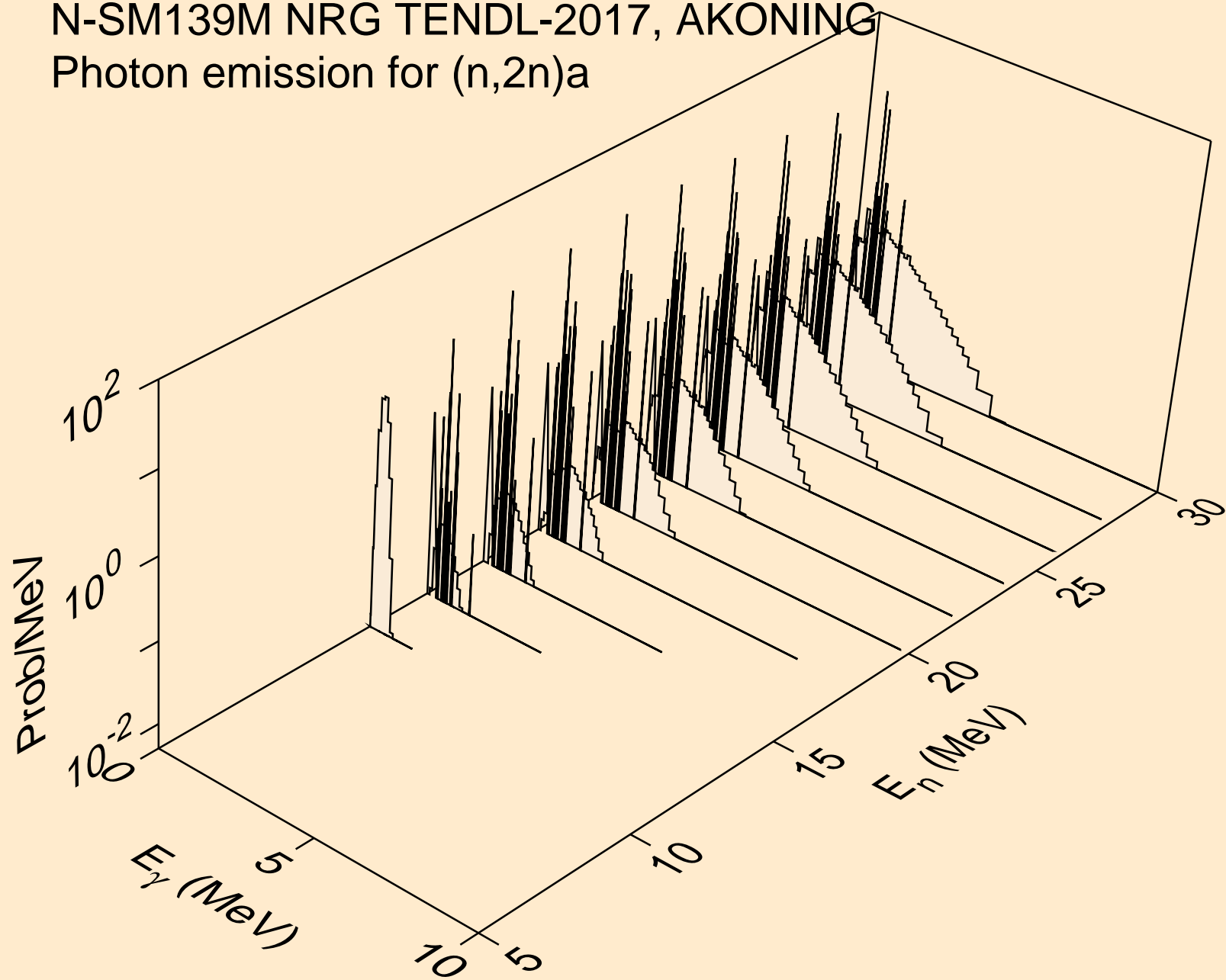
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,3n)



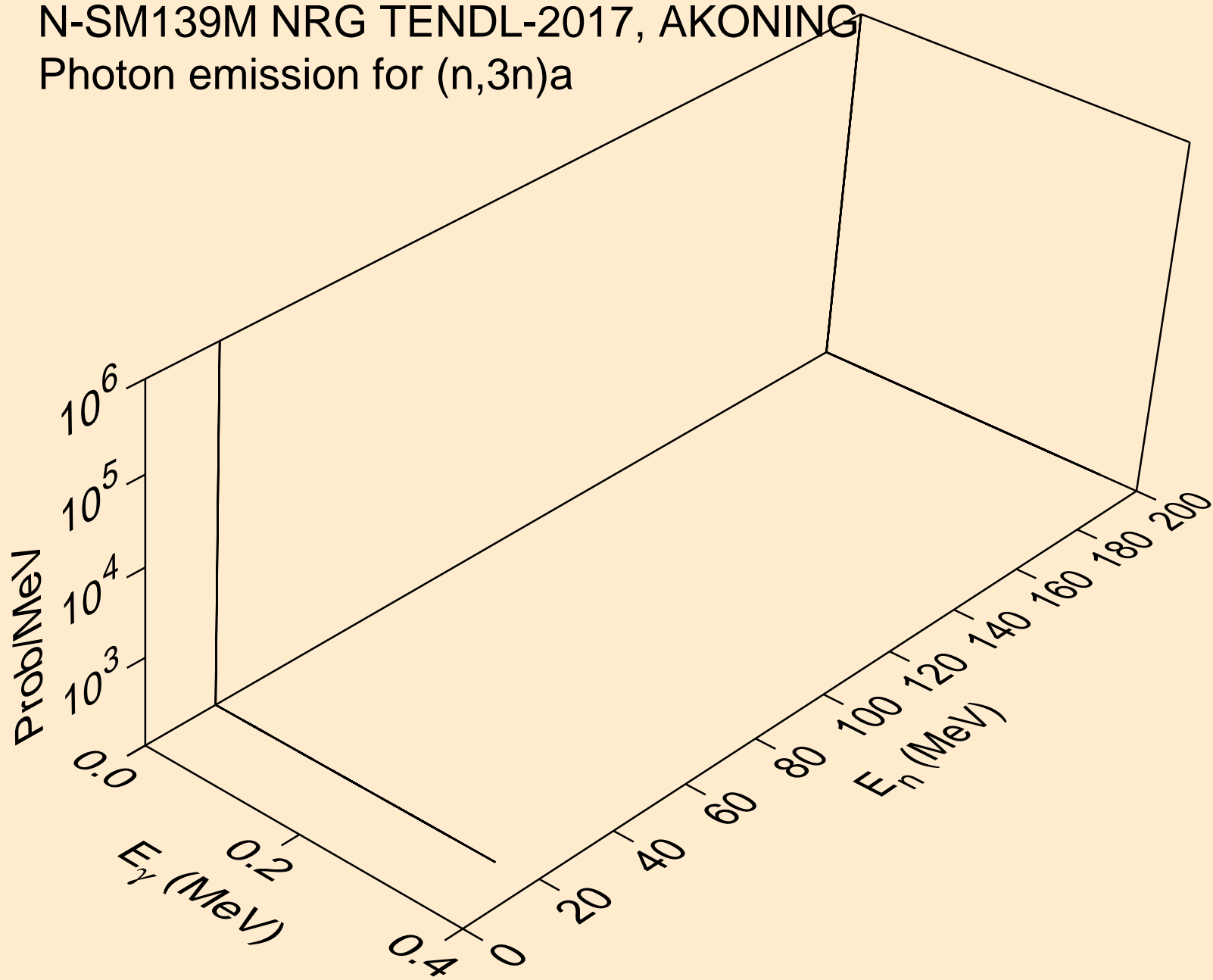
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*)a



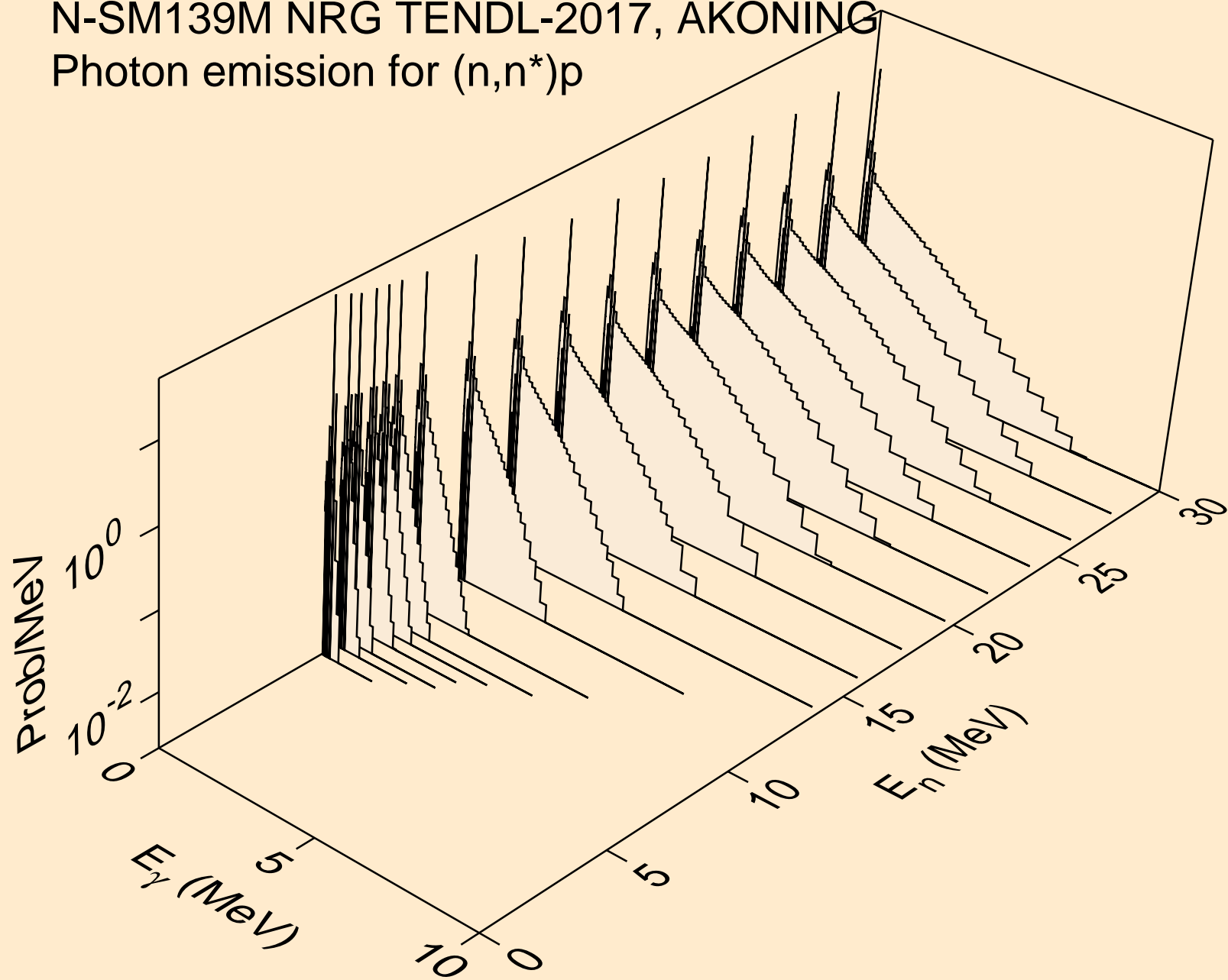
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,2n)a



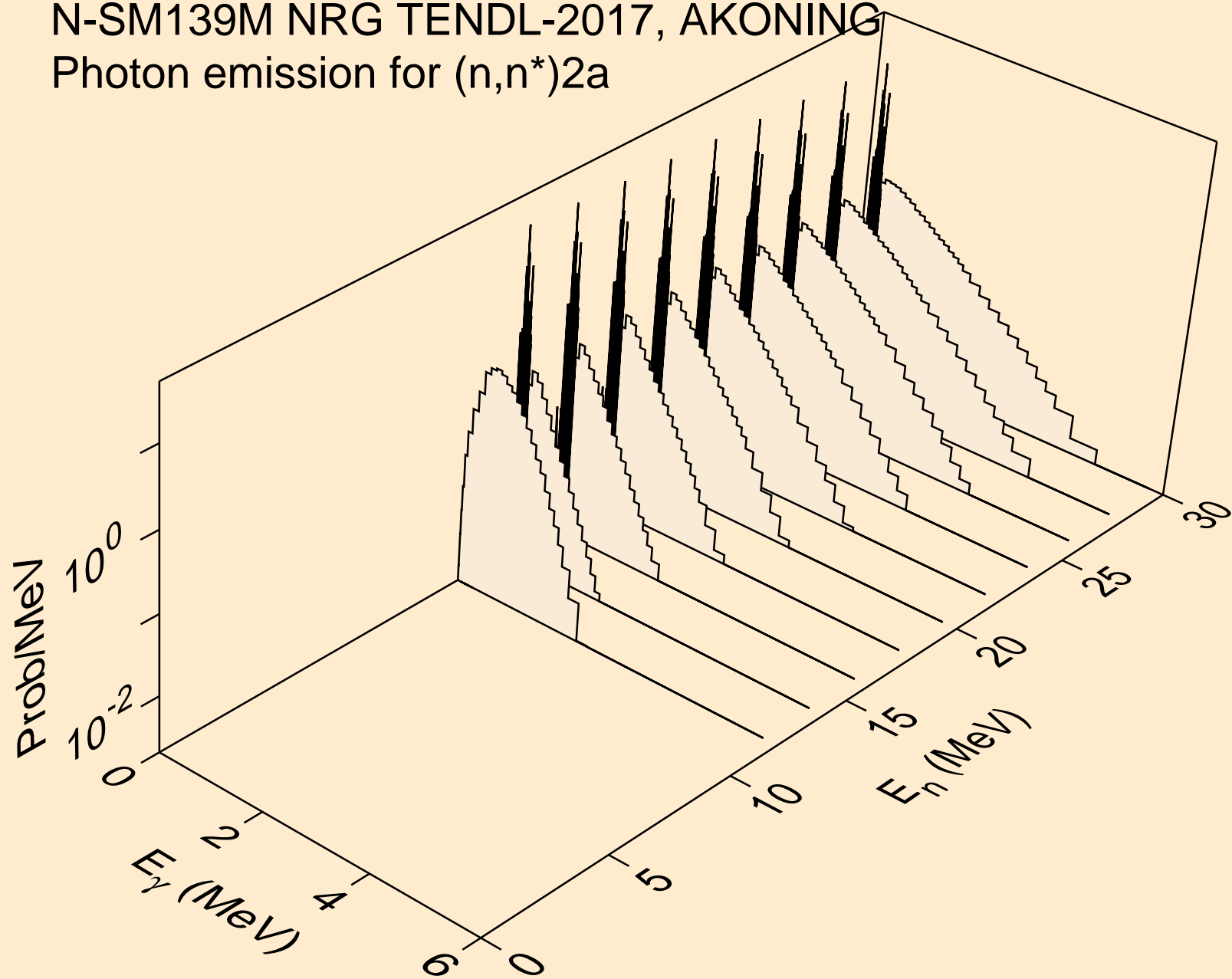
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,3n)a



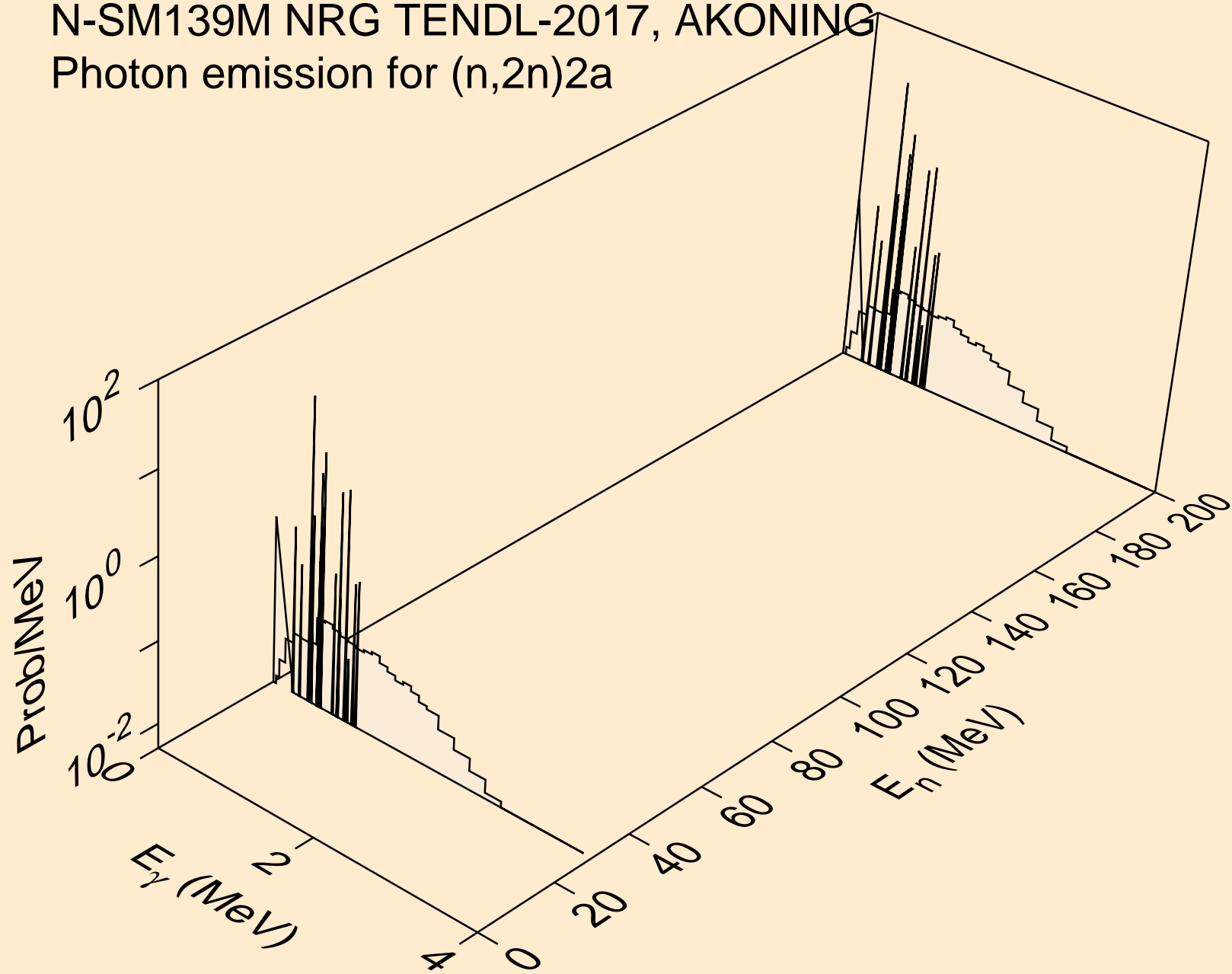
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*)p



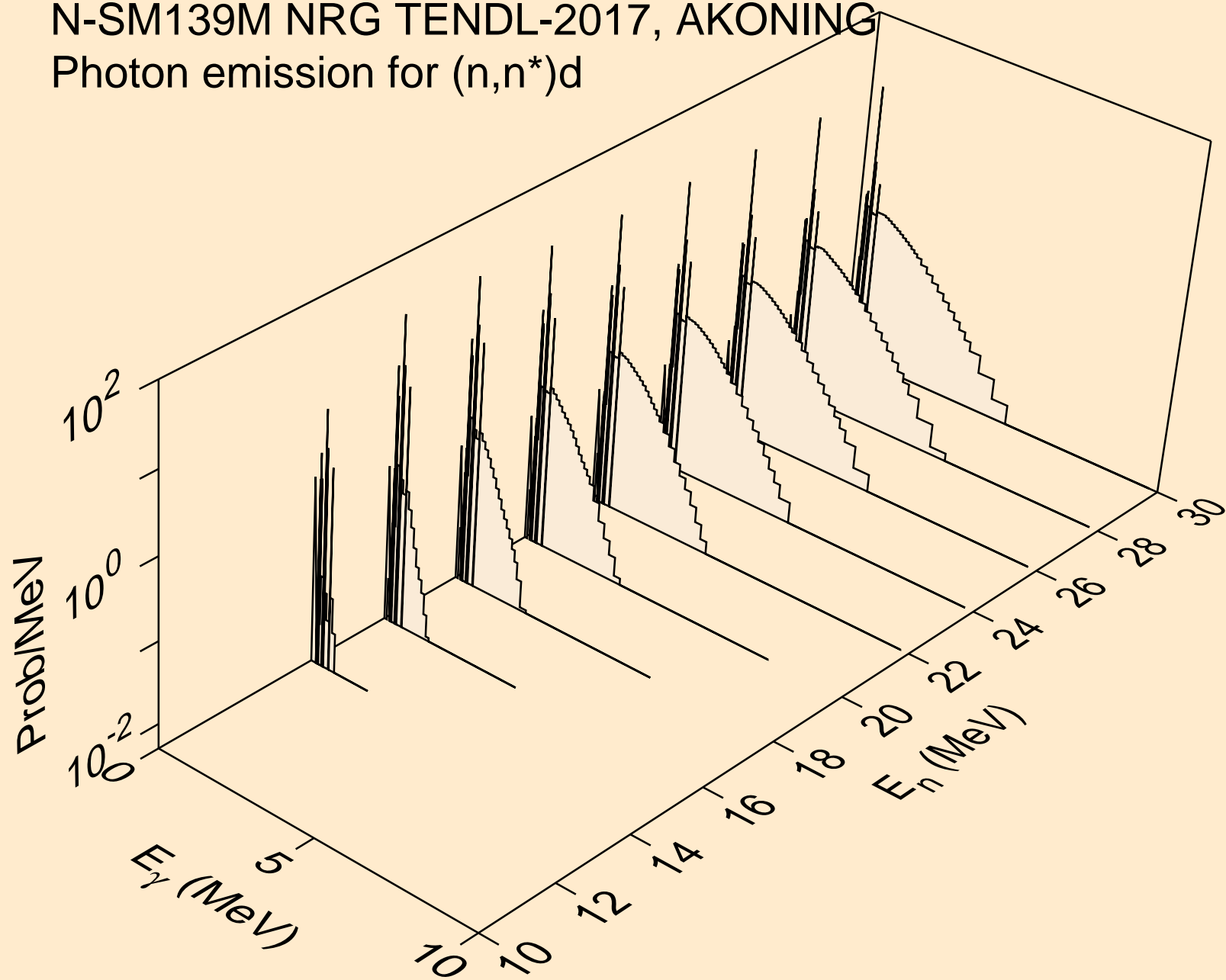
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*)2a



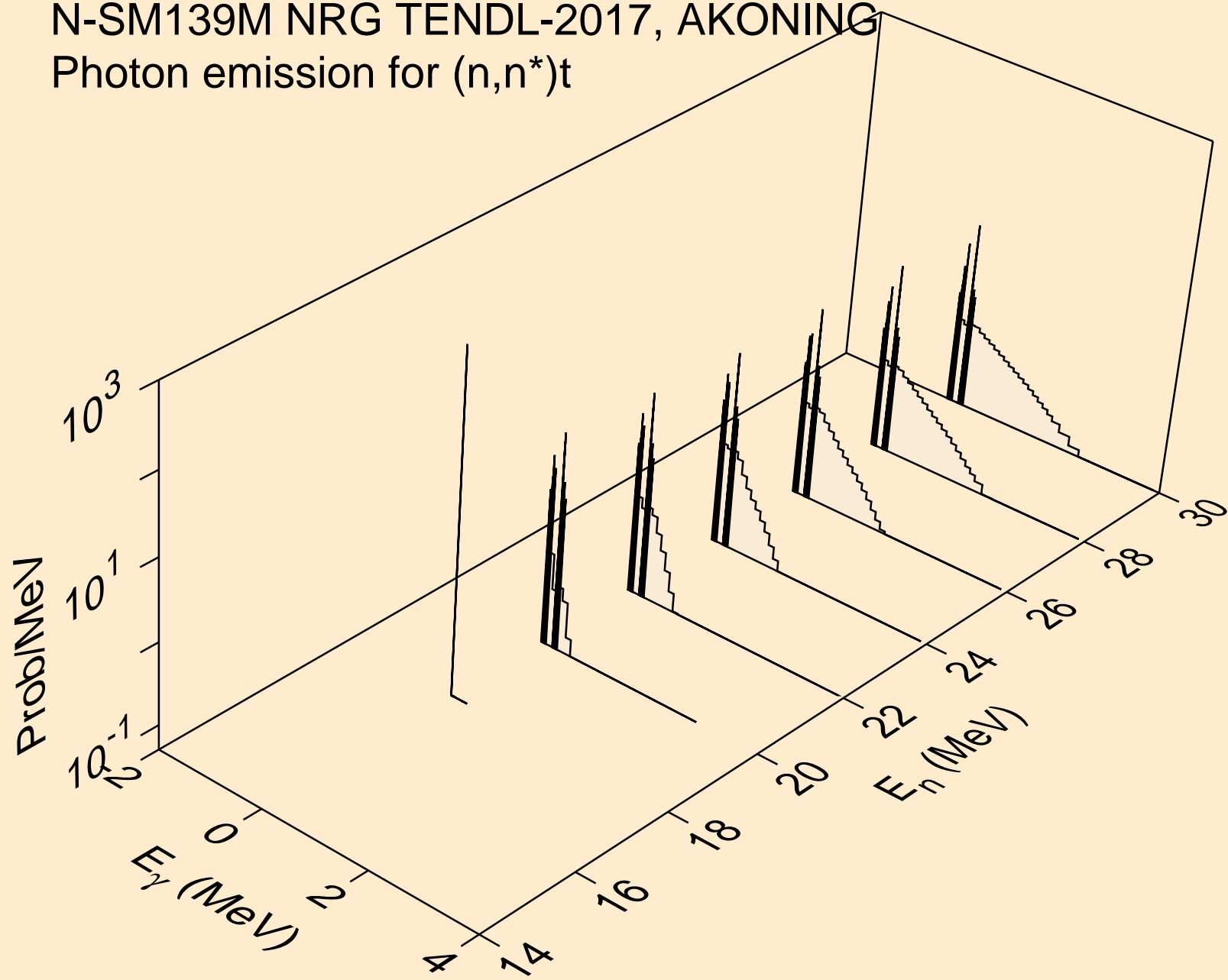
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,2n)2a



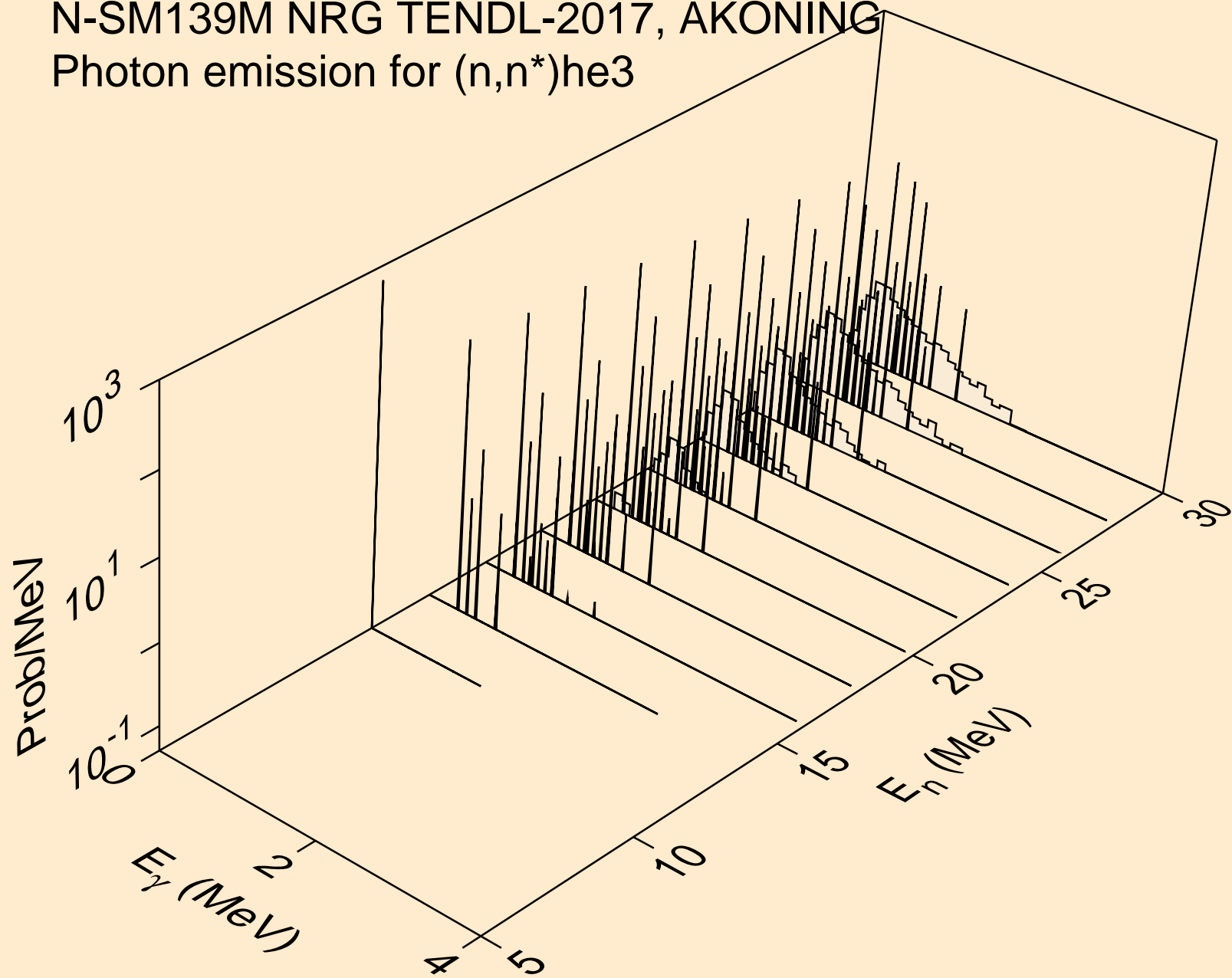
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*)d



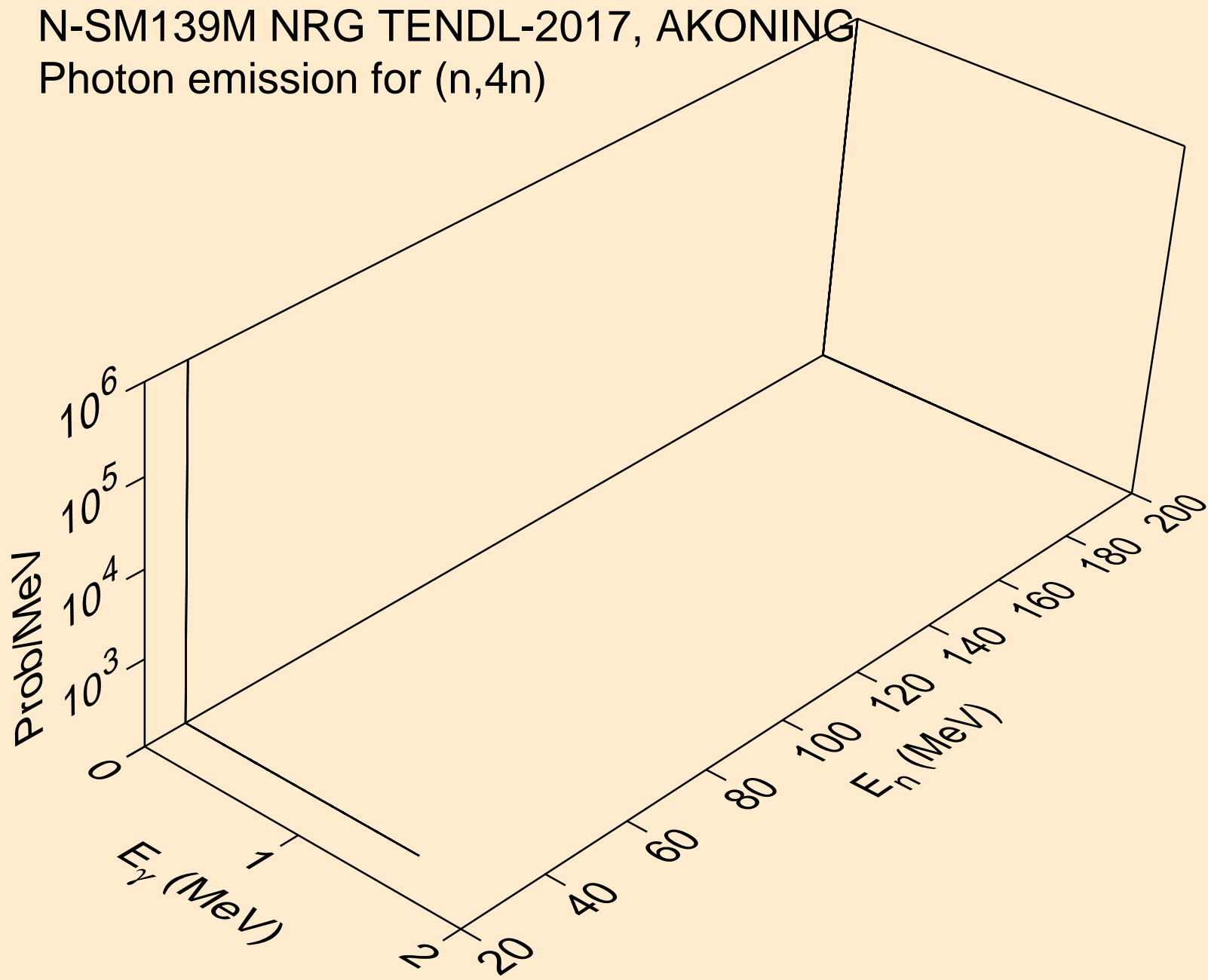
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*)t



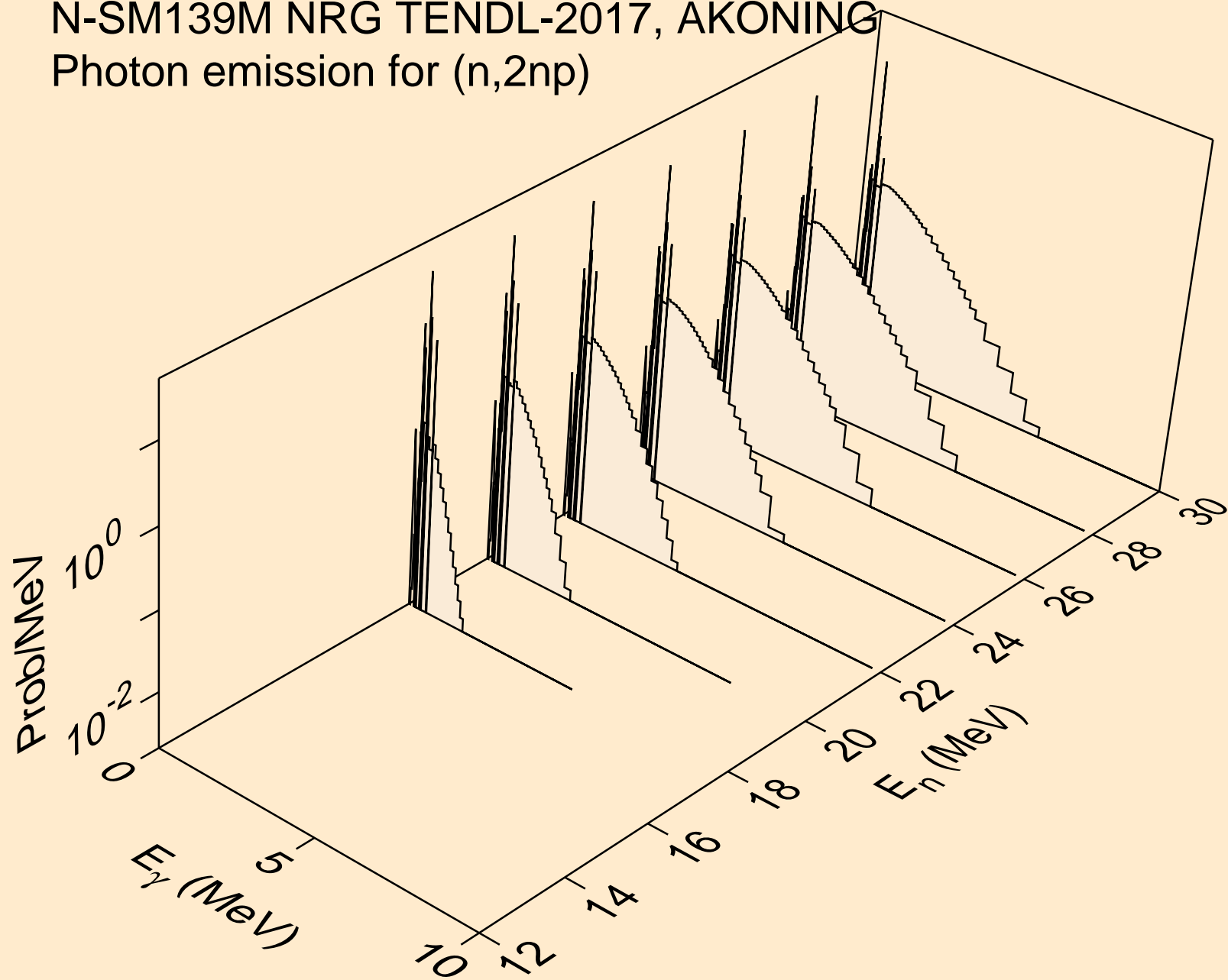
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*)he3



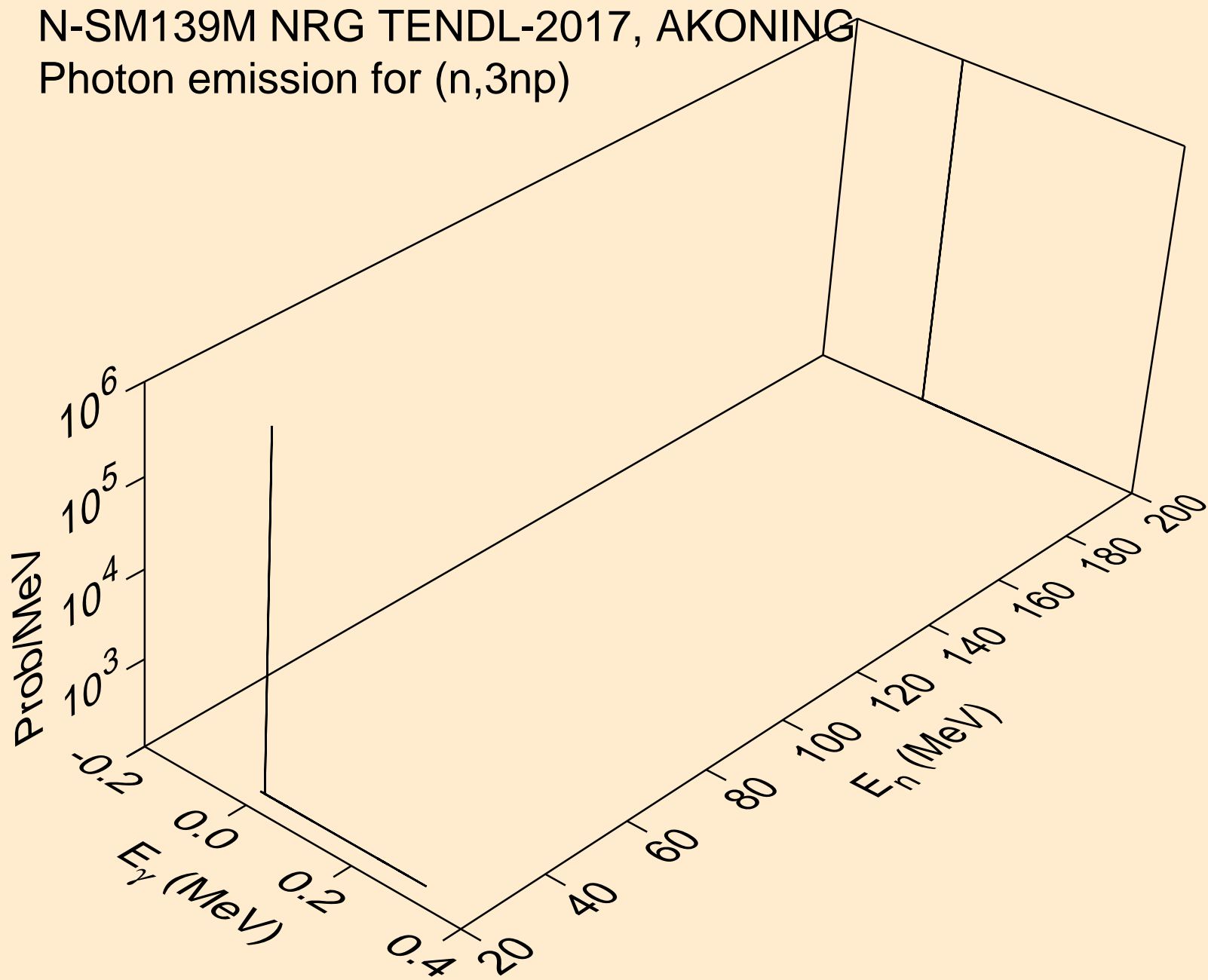
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,4n)



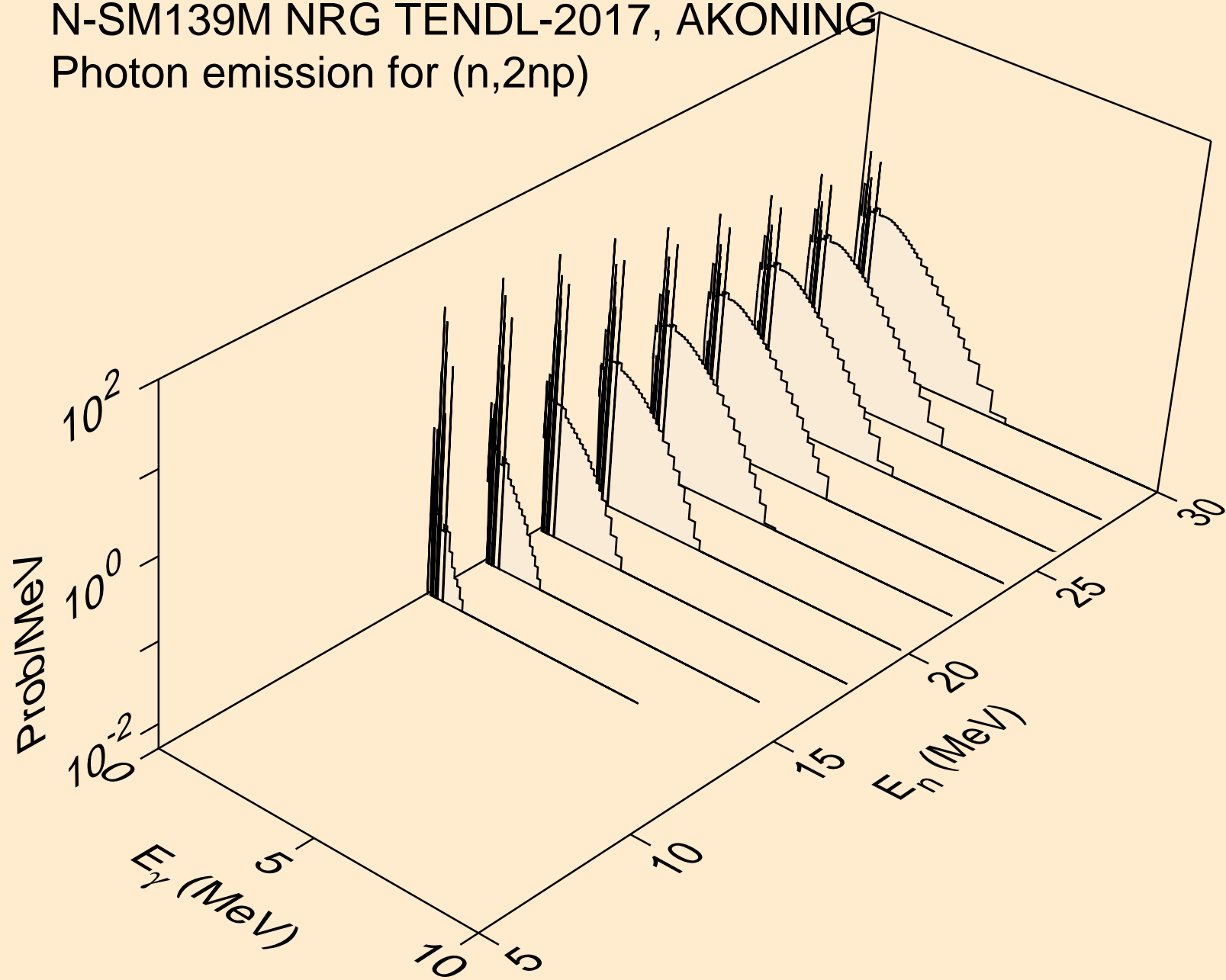
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,2np)



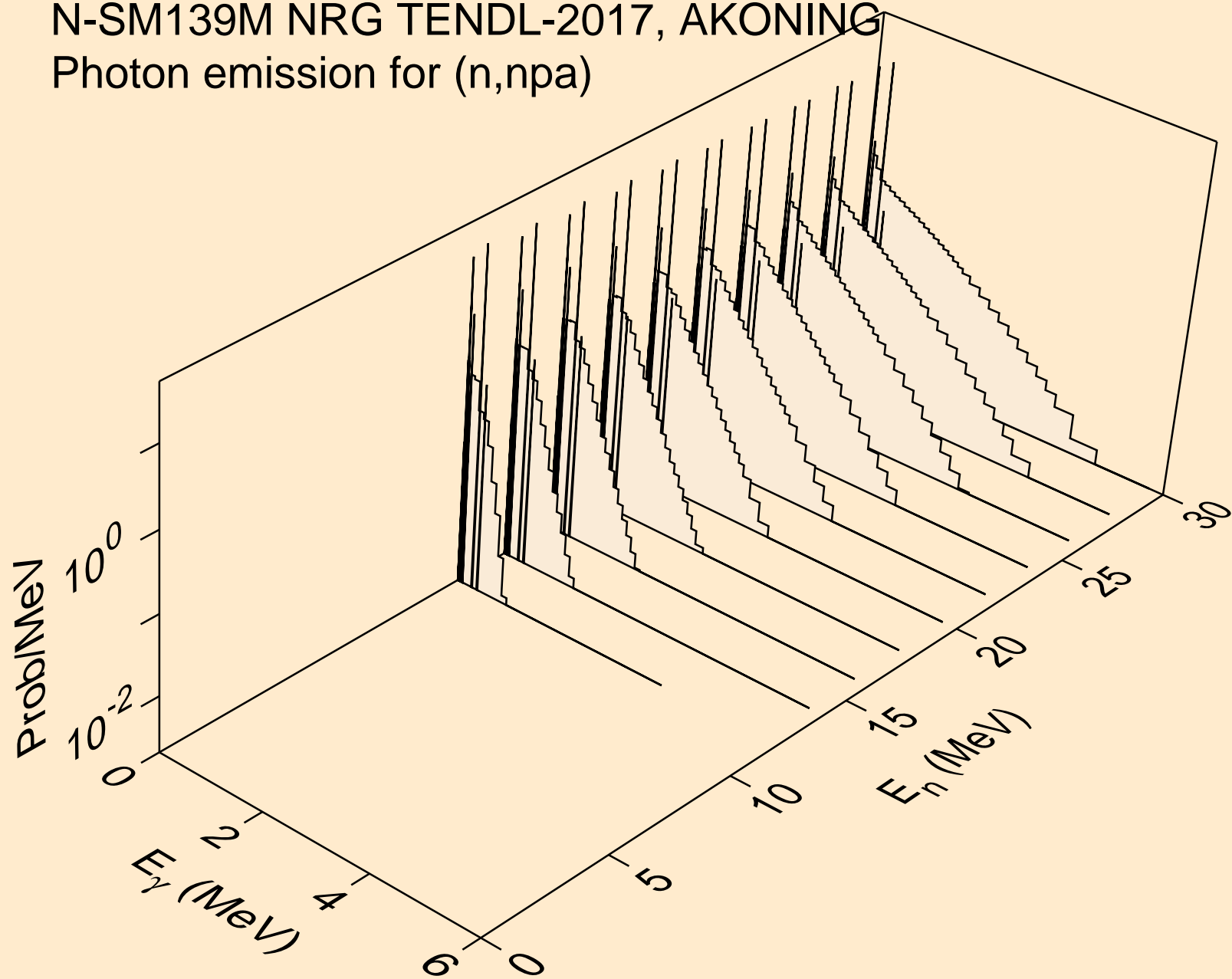
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Photon emission for (n,3np)



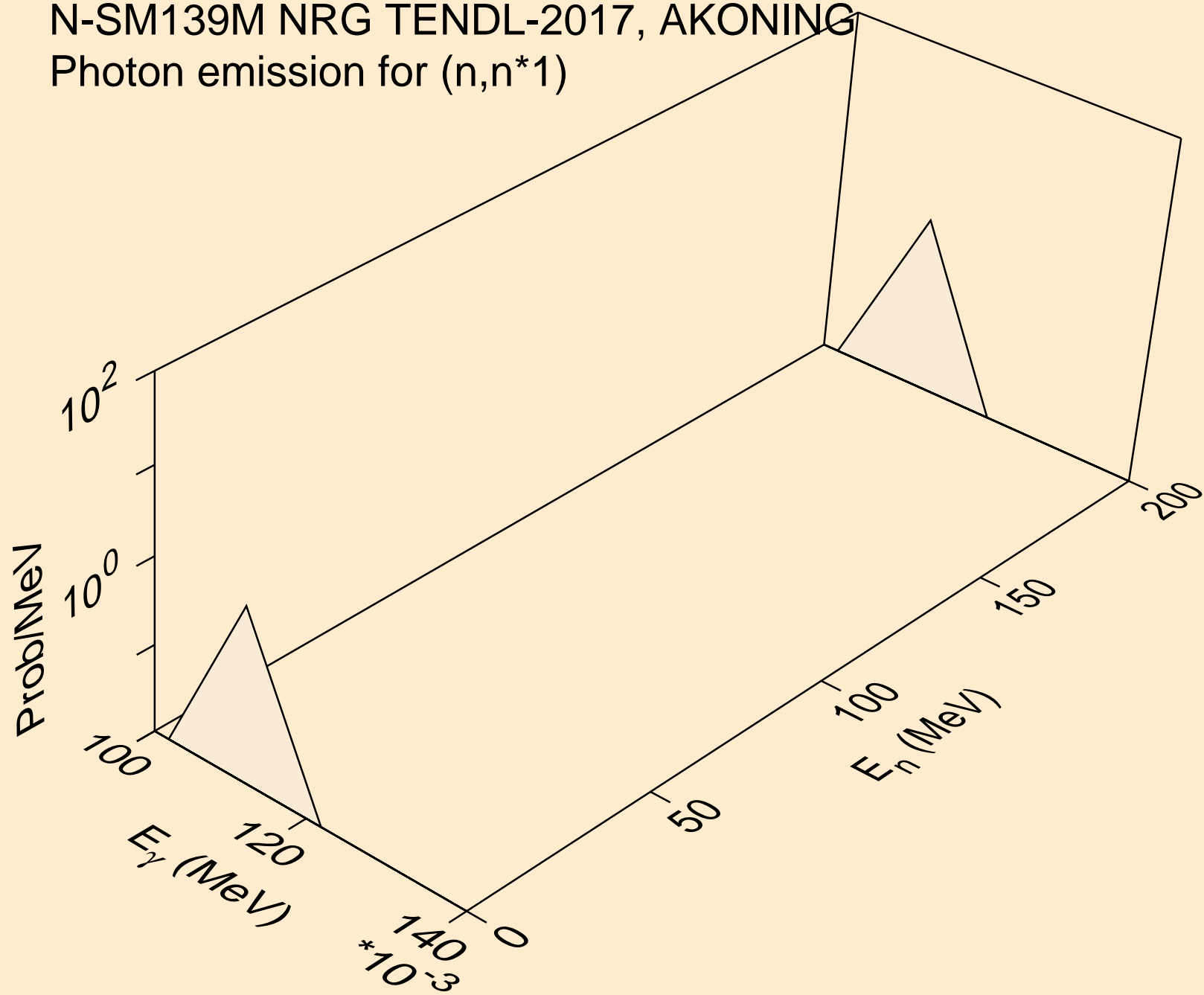
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,2np)



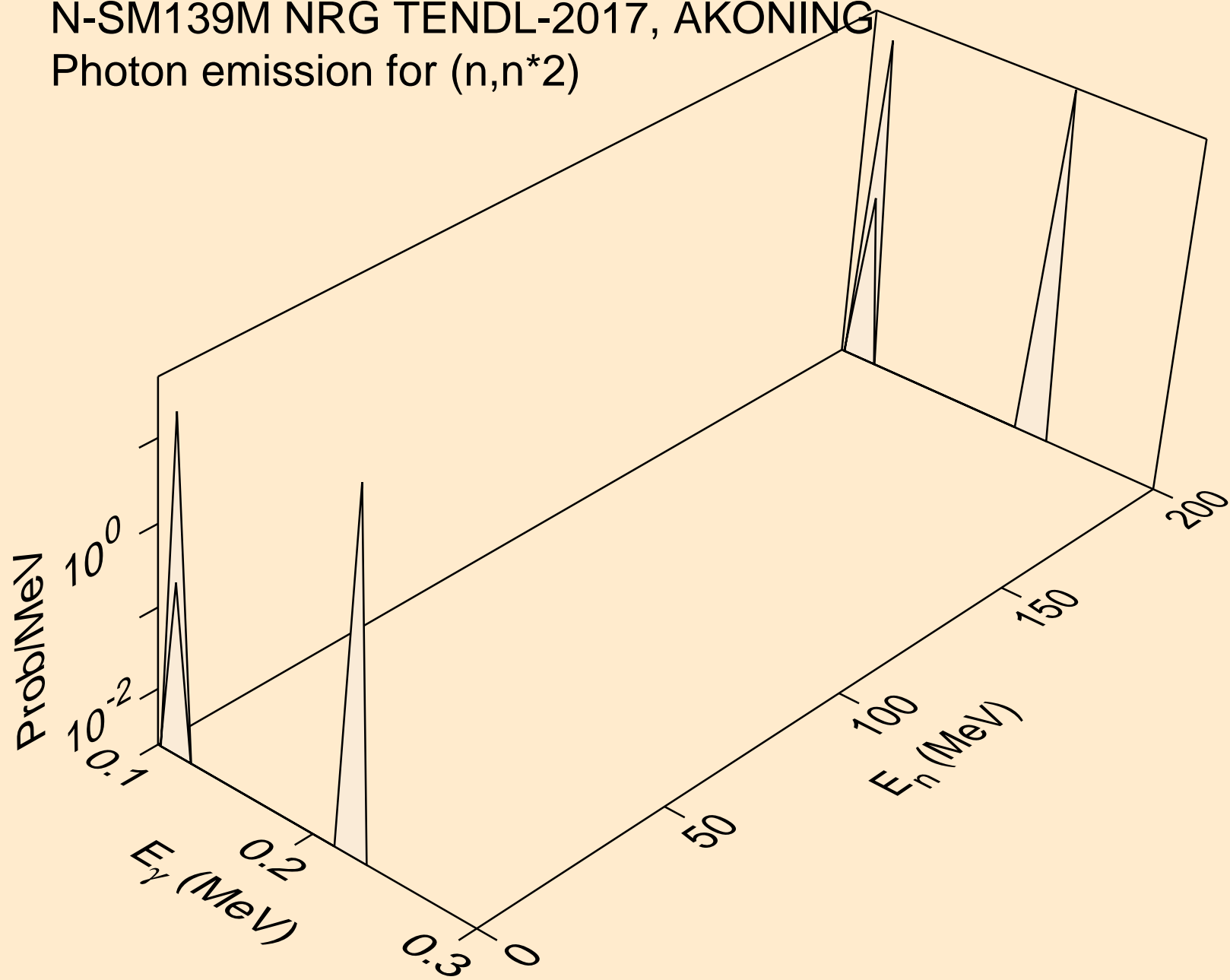
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,npa)



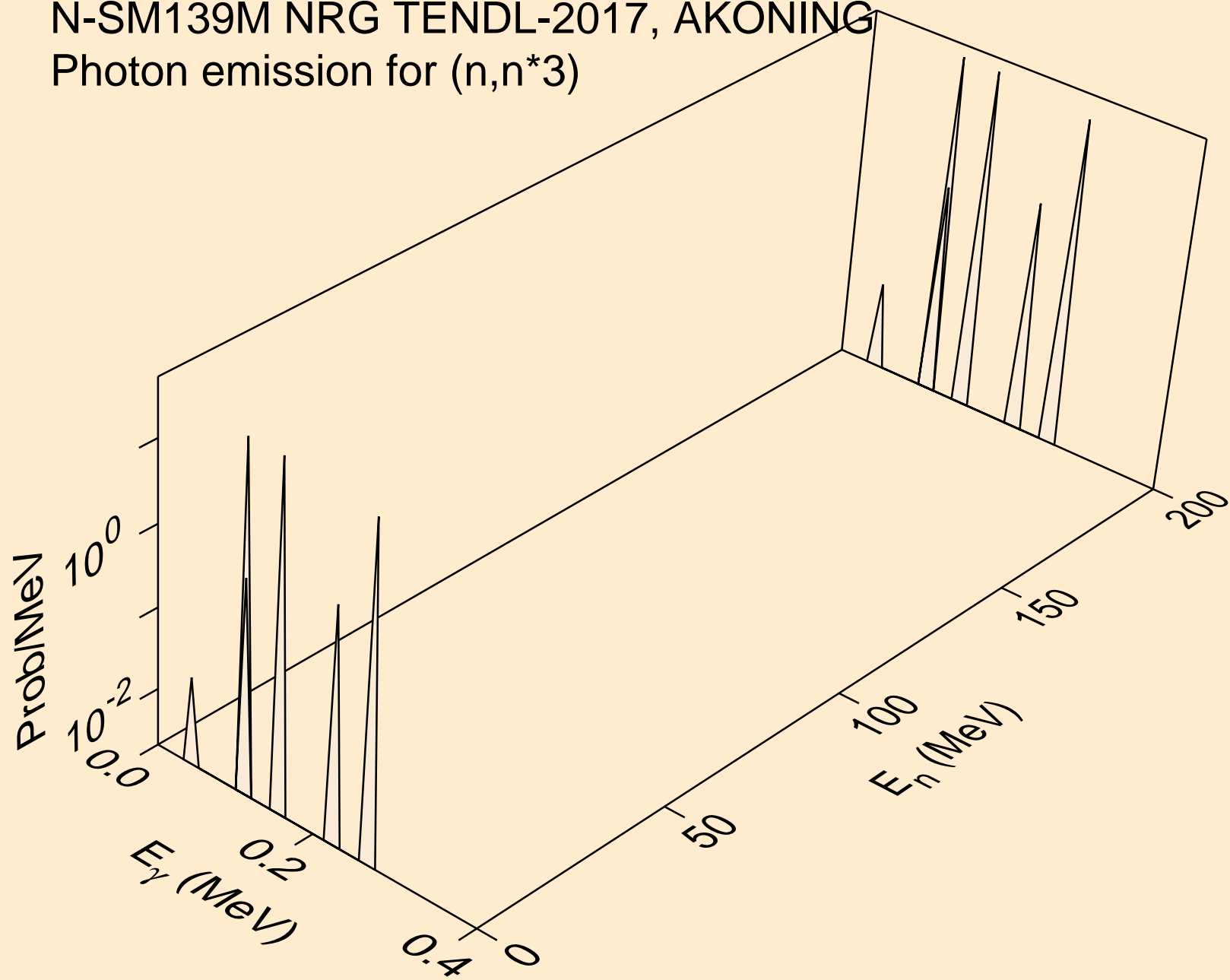
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Photon emission for (n,n*1)



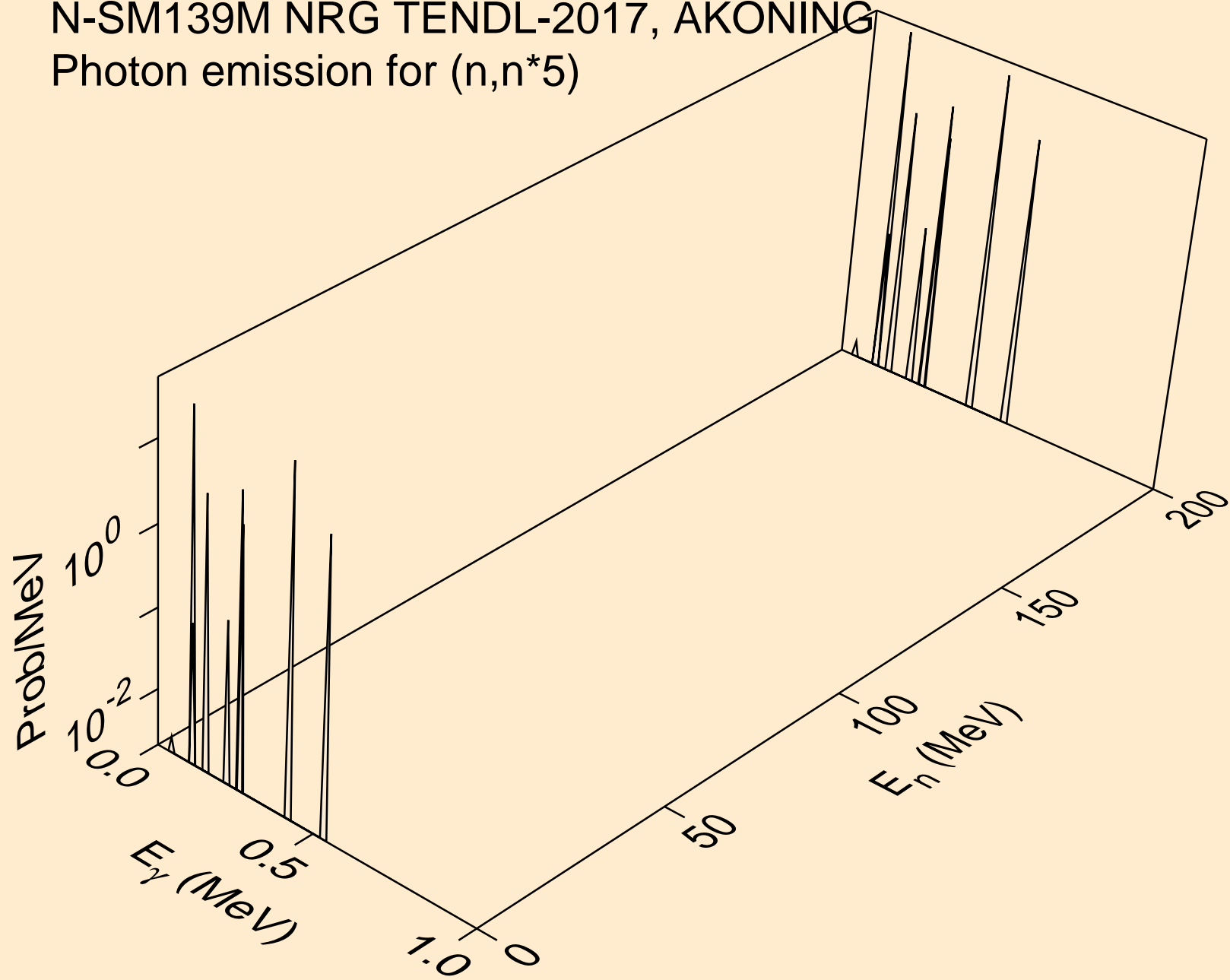
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*2)



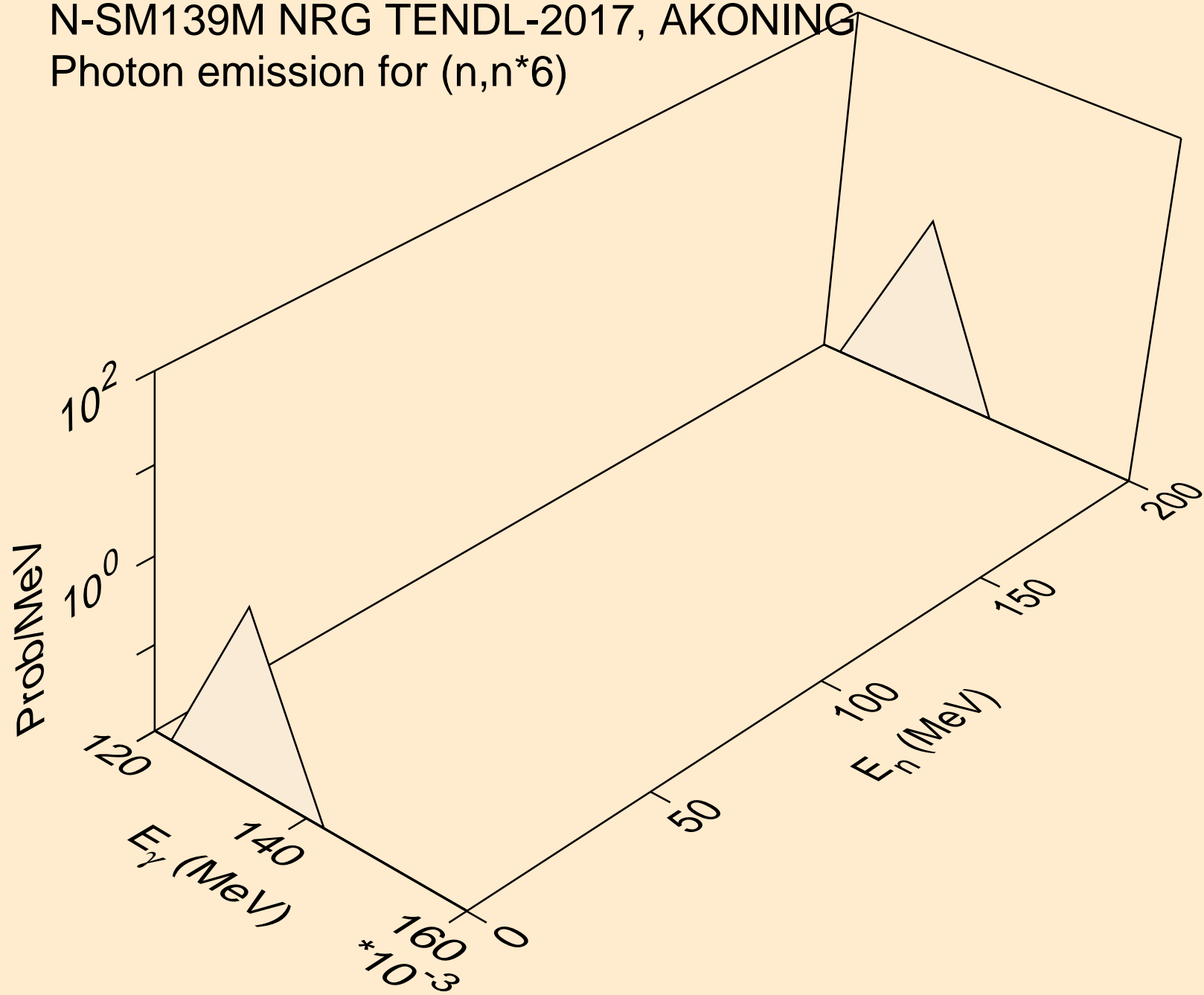
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*3)



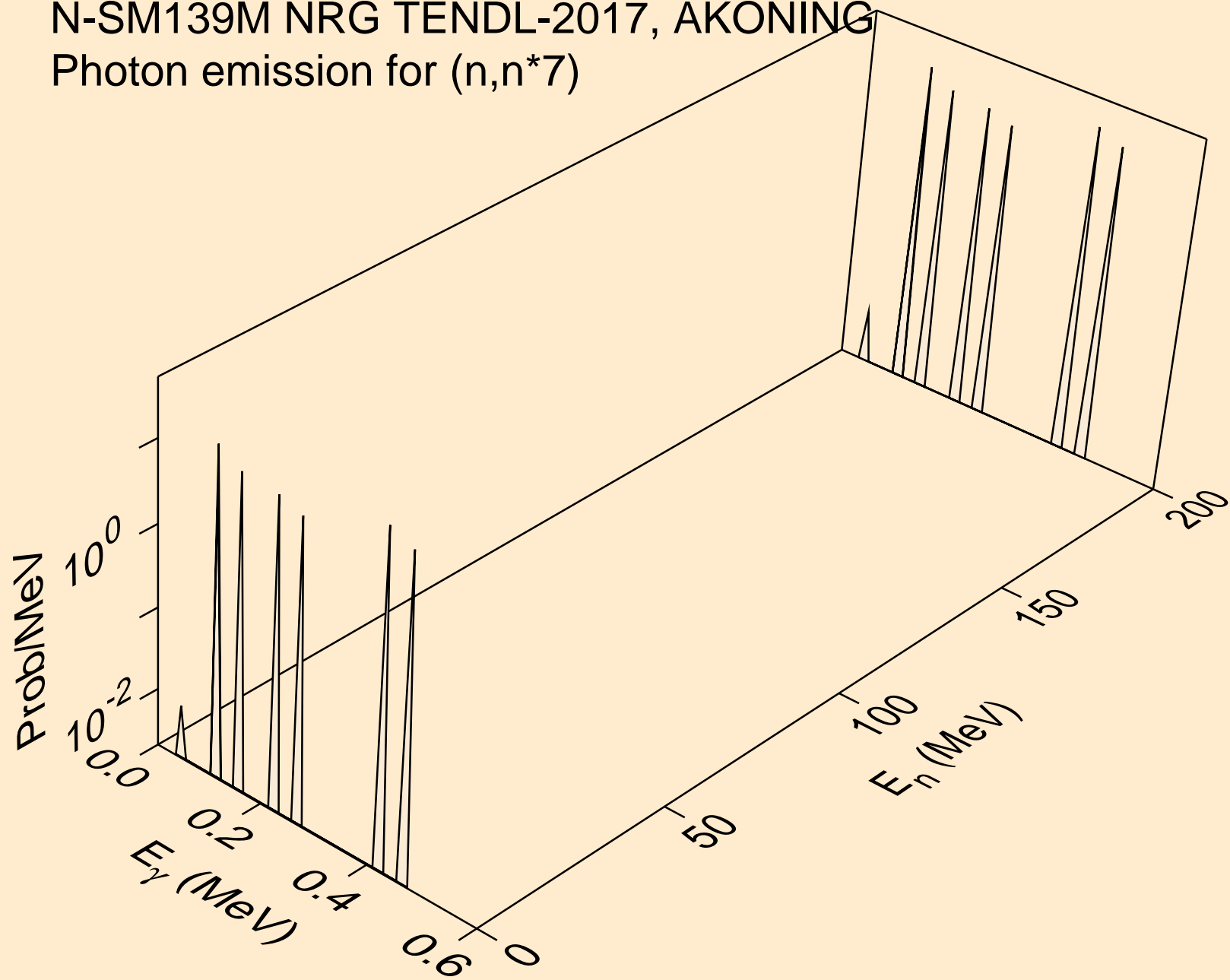
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Photon emission for (n,n*5)



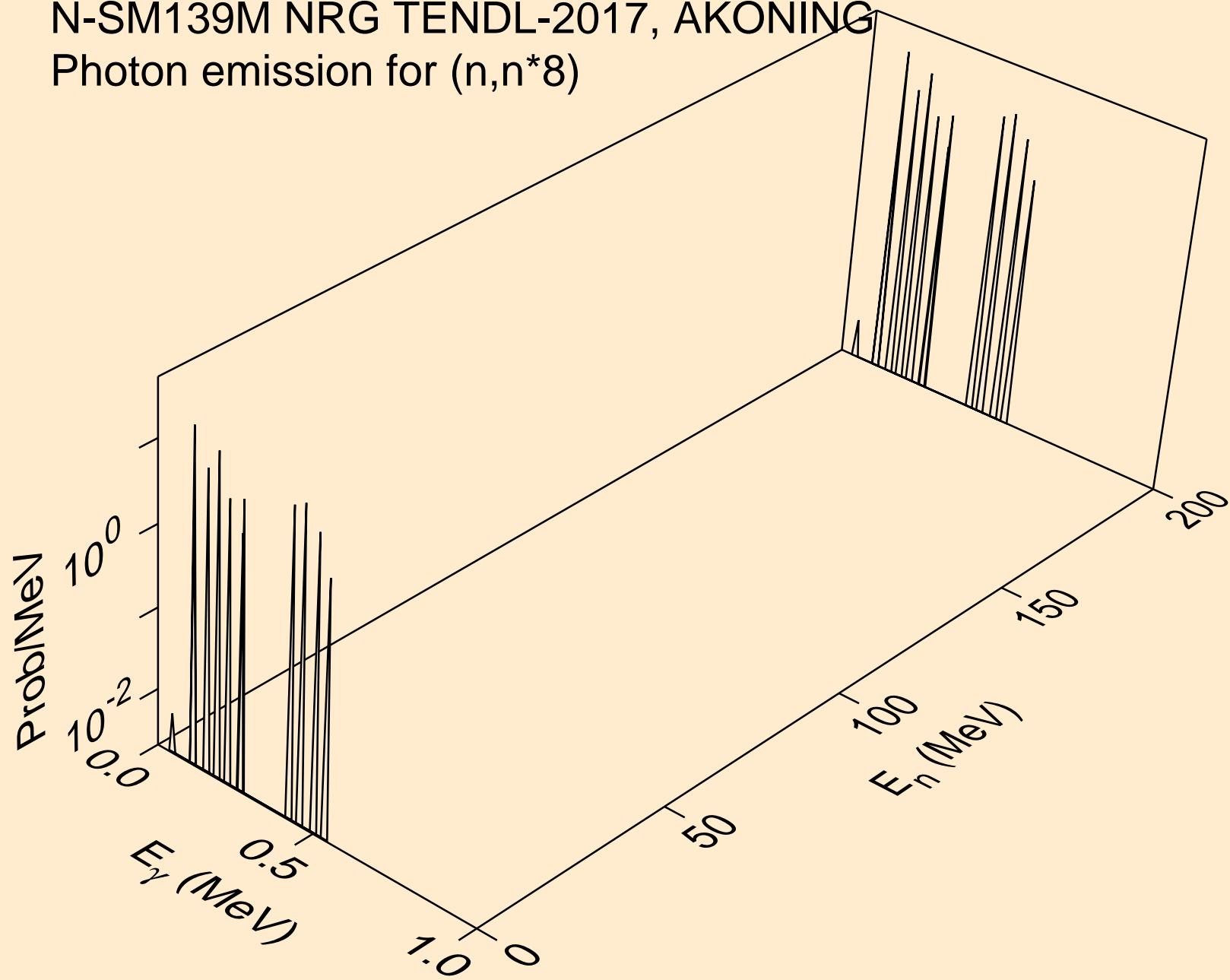
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Photon emission for (n,n*6)



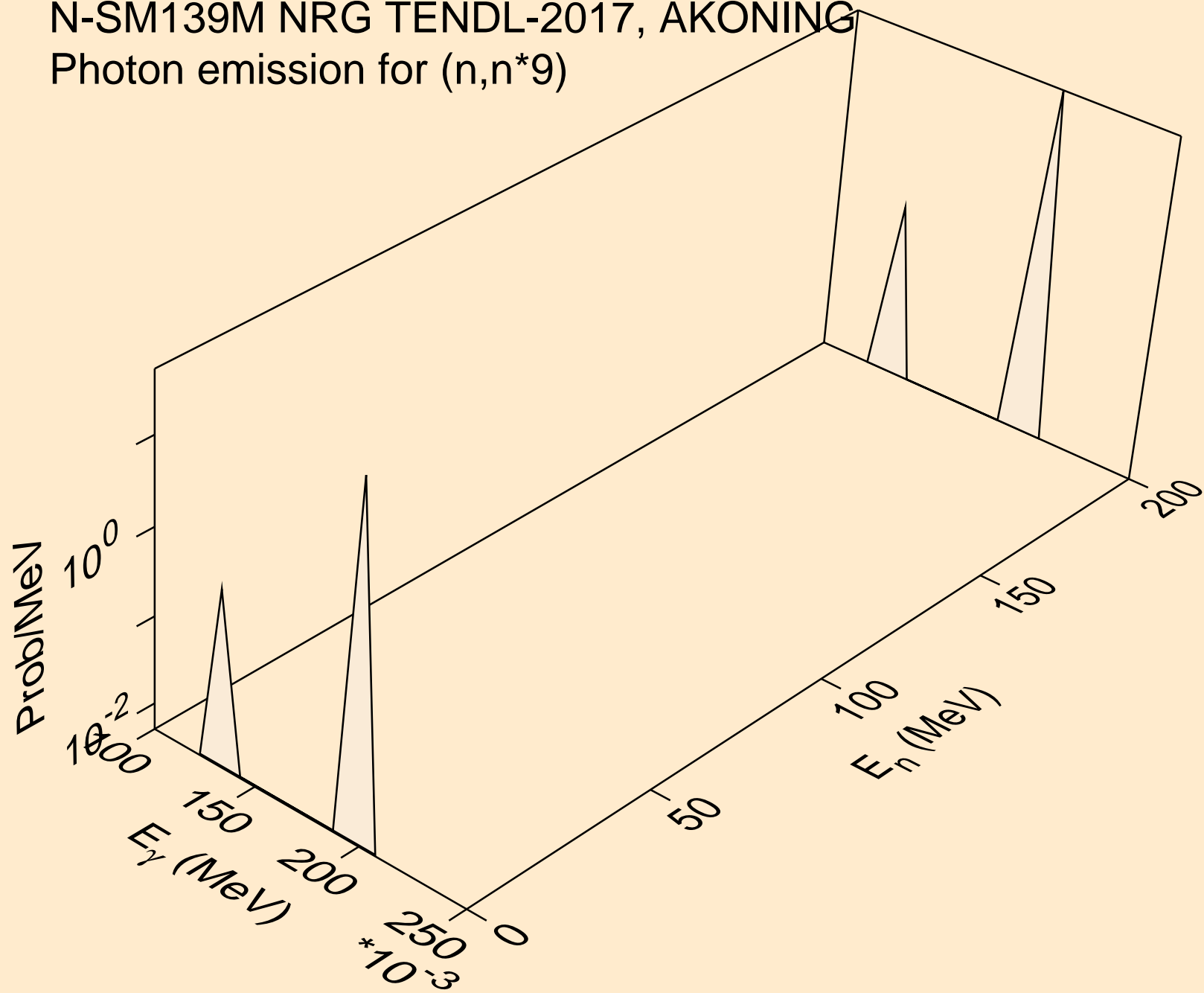
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*7)



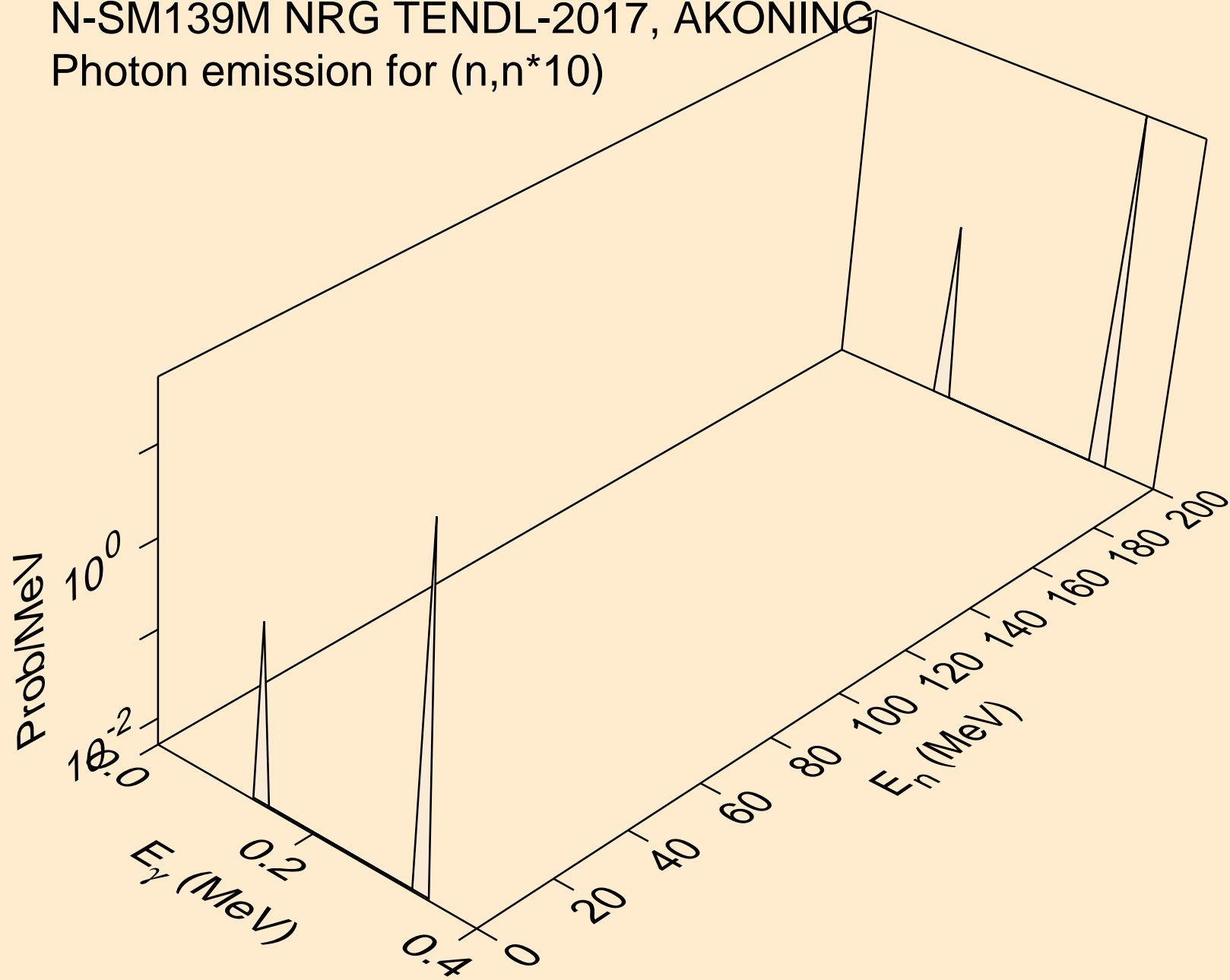
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Photon emission for (n,n*8)



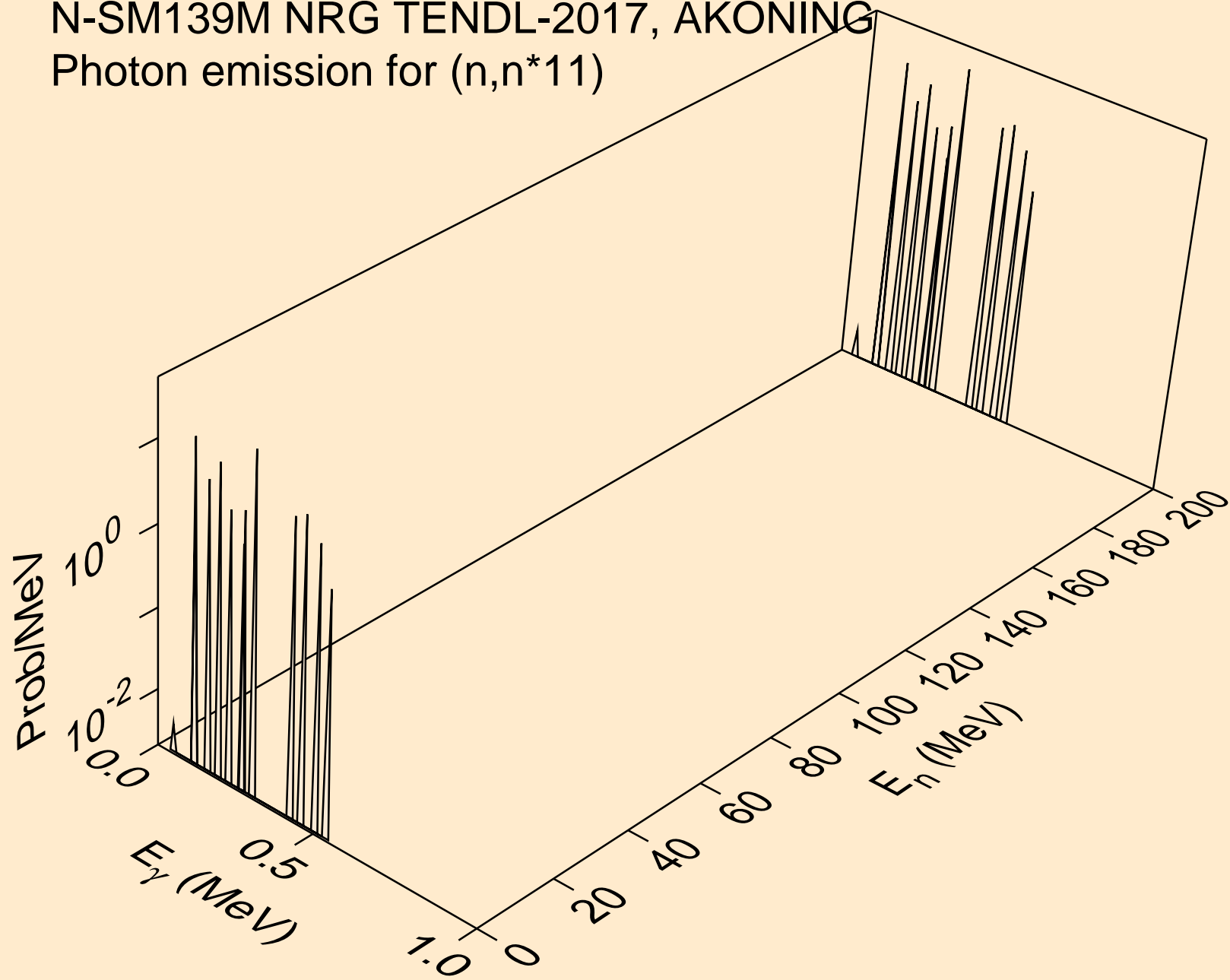
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Photon emission for (n,n*9)



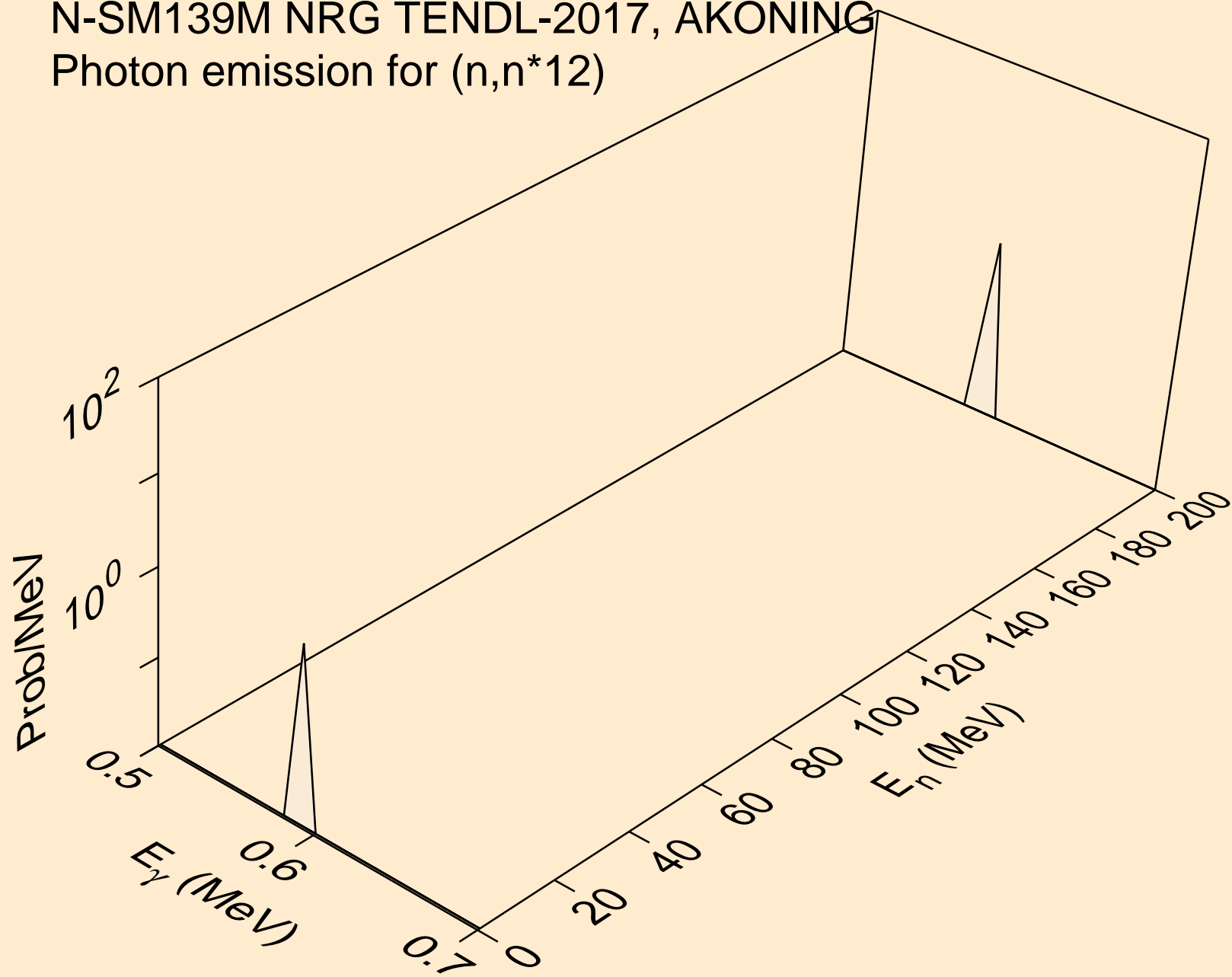
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Photon emission for (n,n*10)



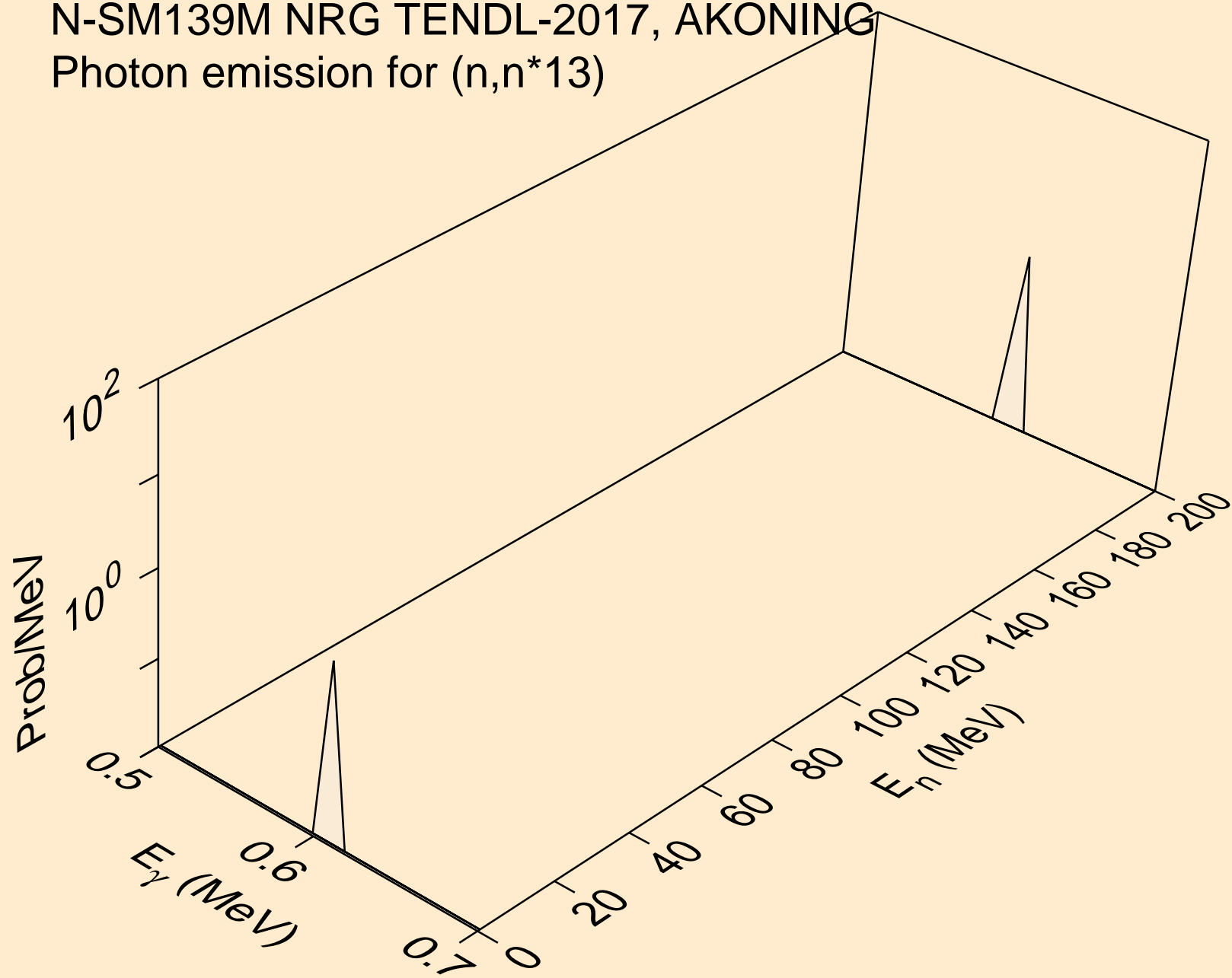
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Photon emission for (n,n*11)



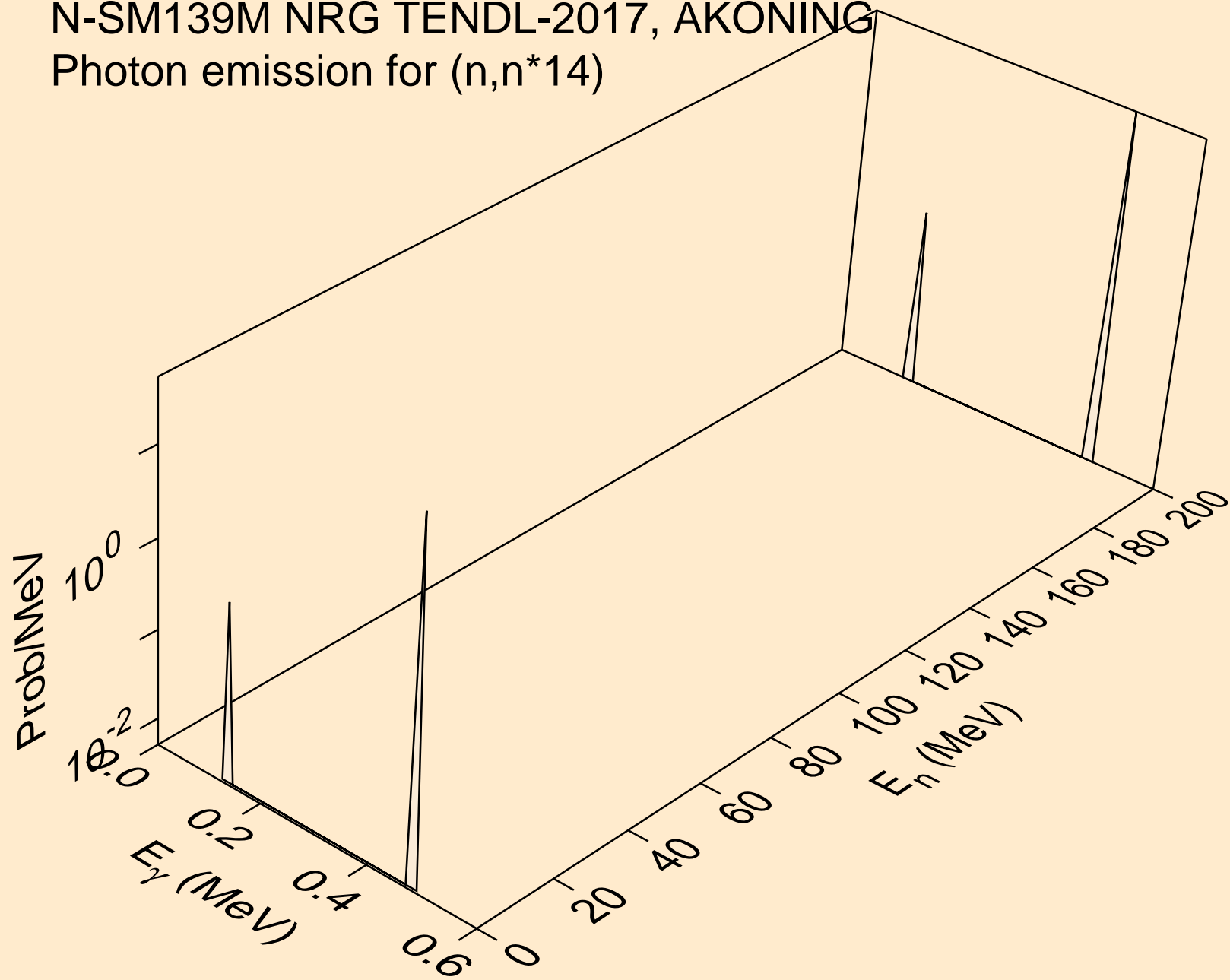
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Photon emission for (n,n*12)



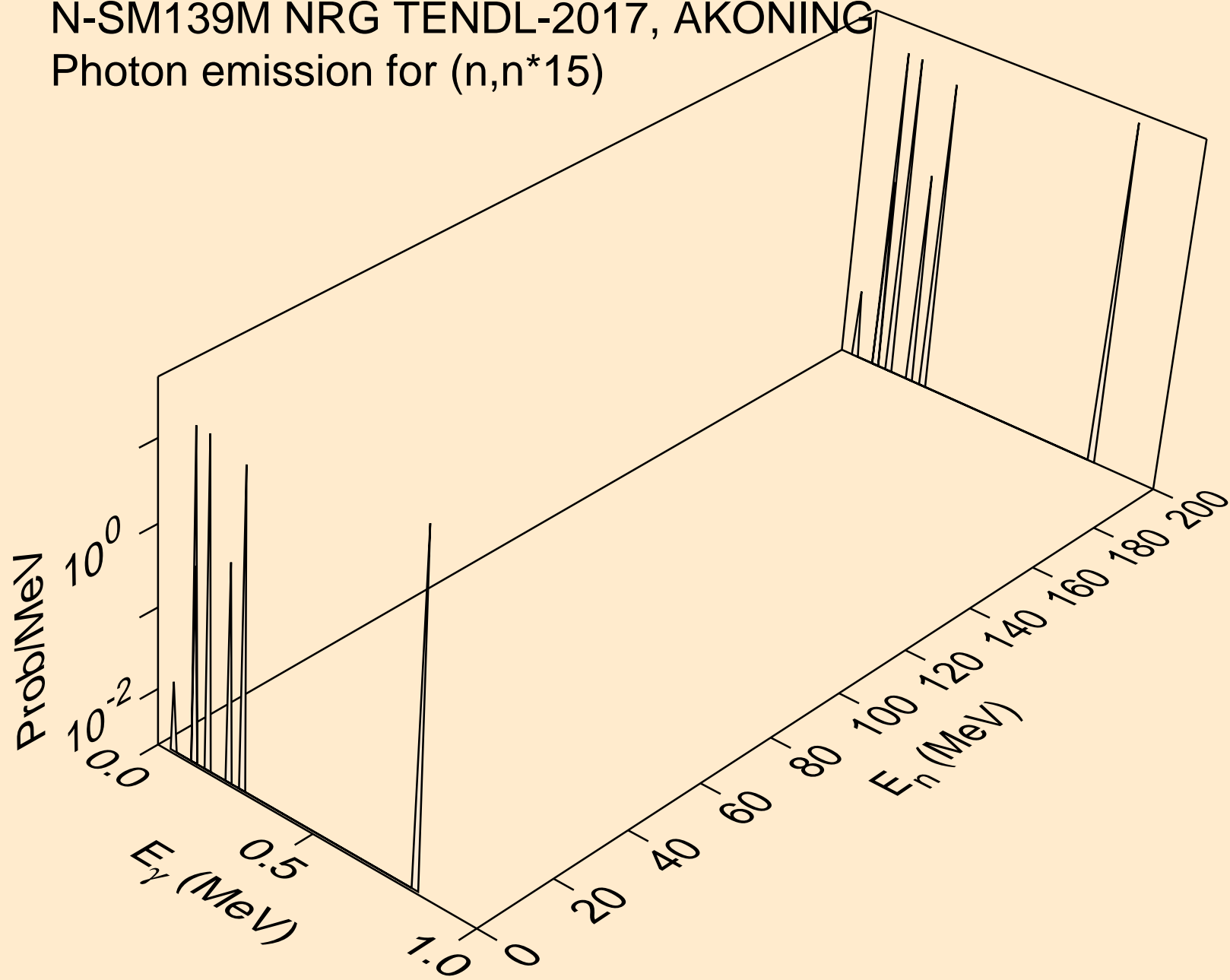
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Photon emission for (n,n*13)



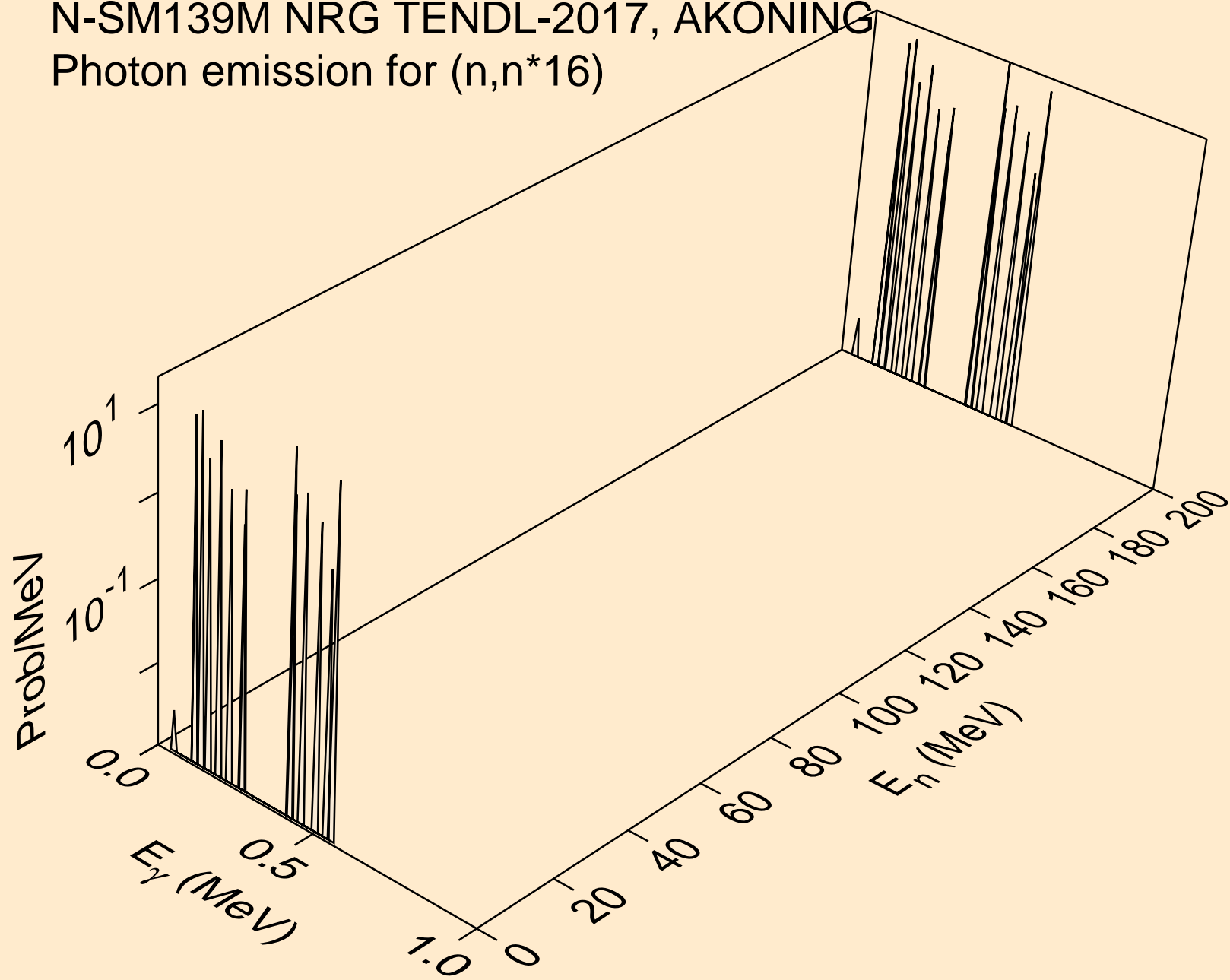
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Photon emission for (n,n*14)



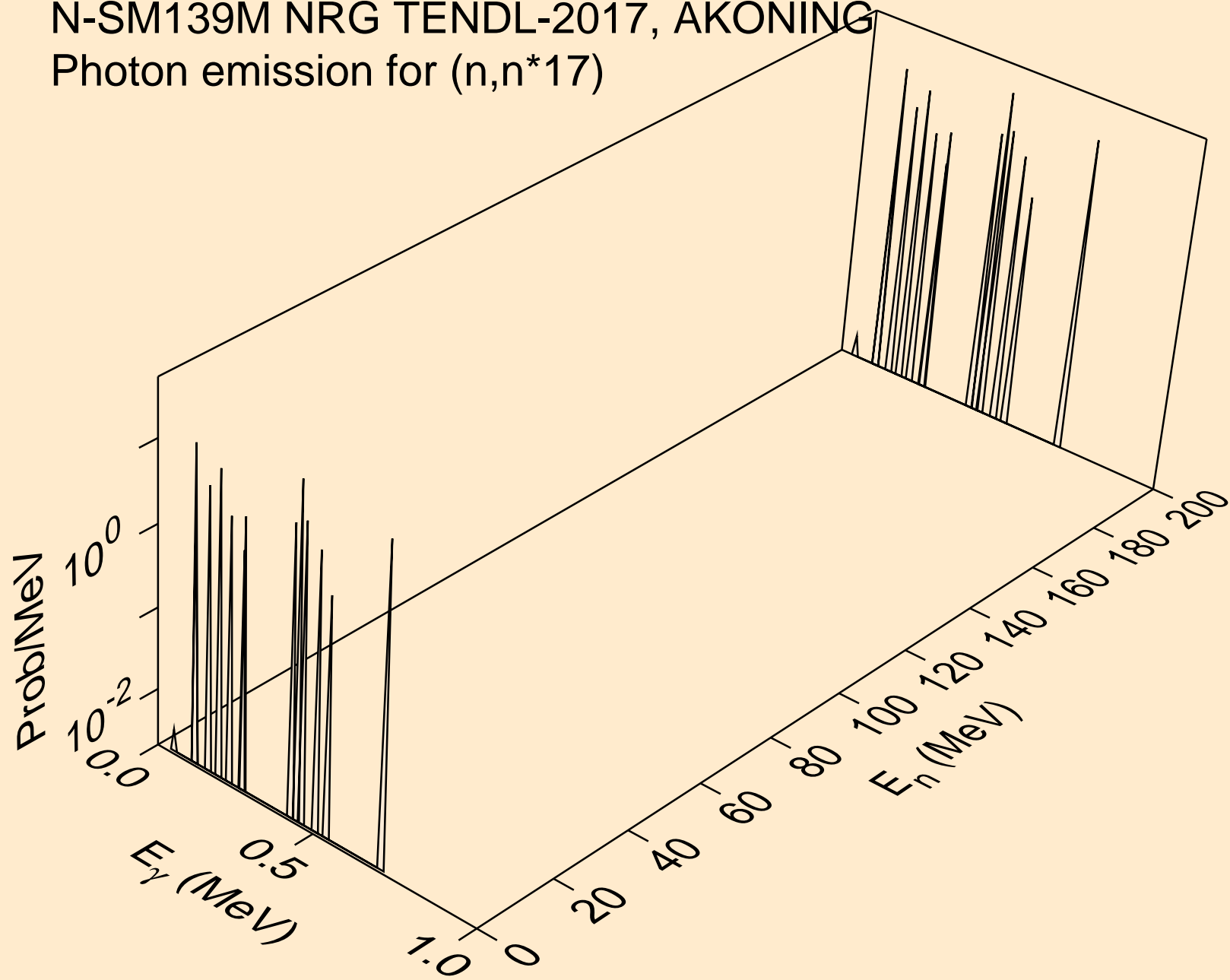
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Photon emission for (n,n*15)



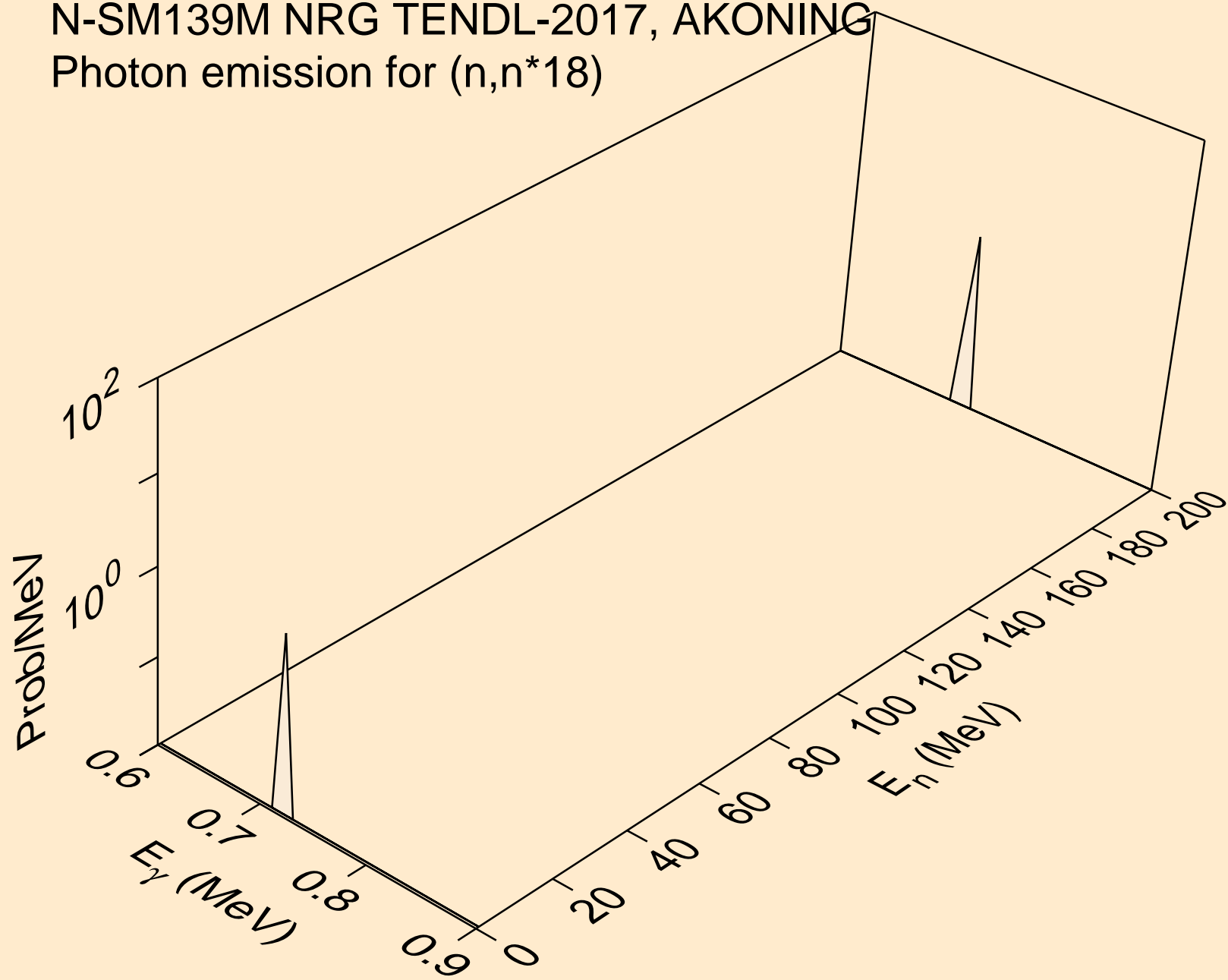
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Photon emission for (n,n*16)



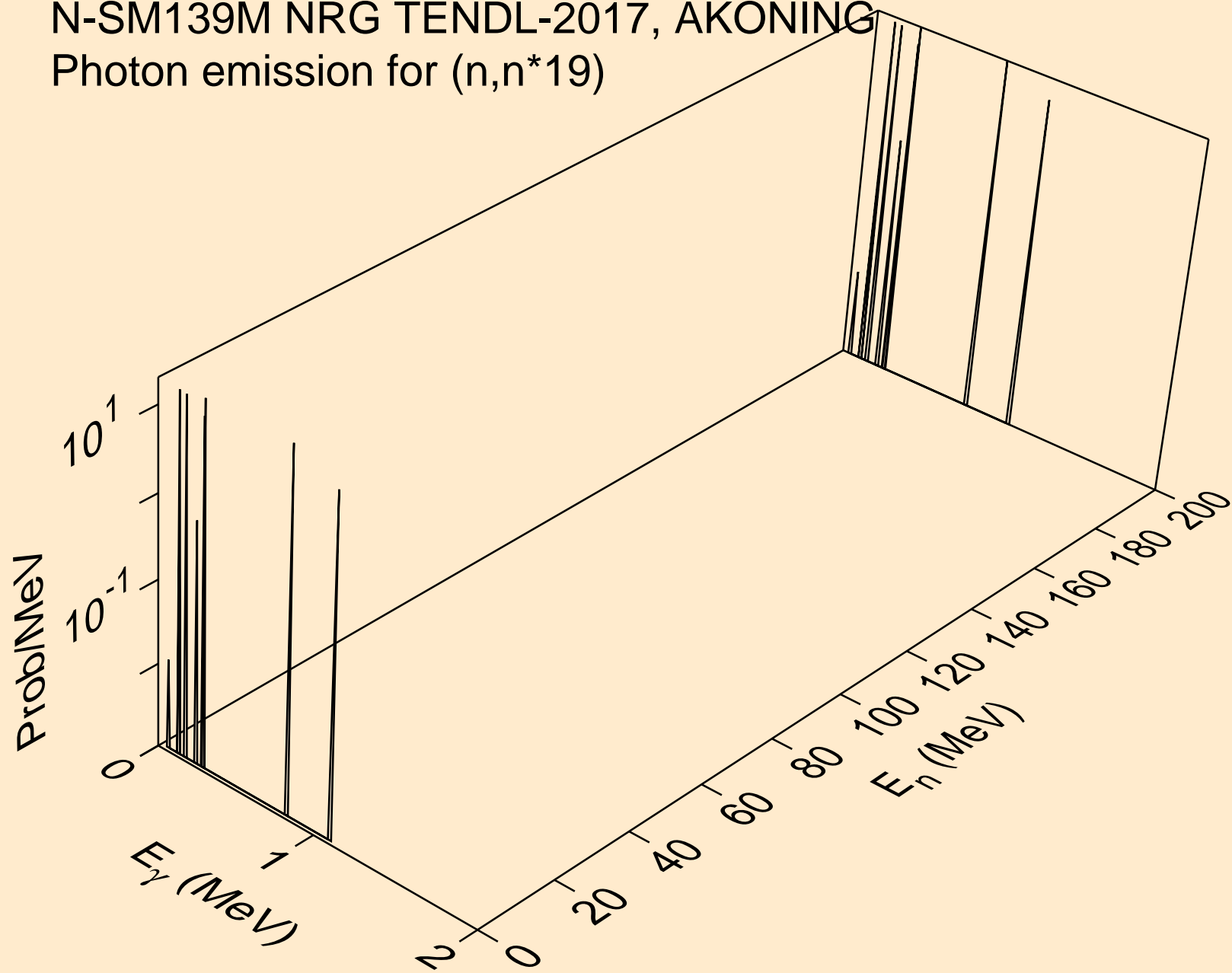
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Photon emission for (n,n*17)



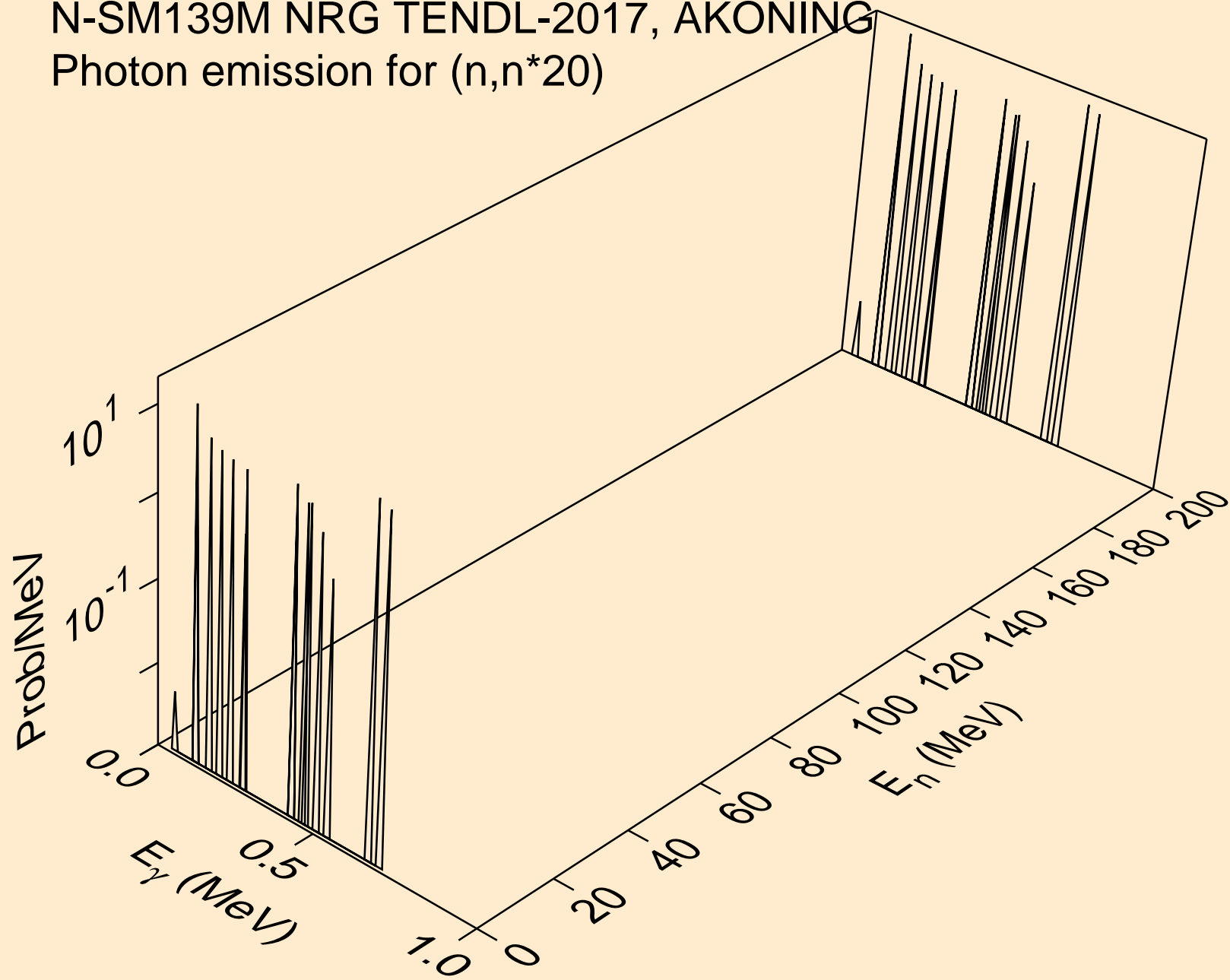
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Photon emission for (n,n*18)



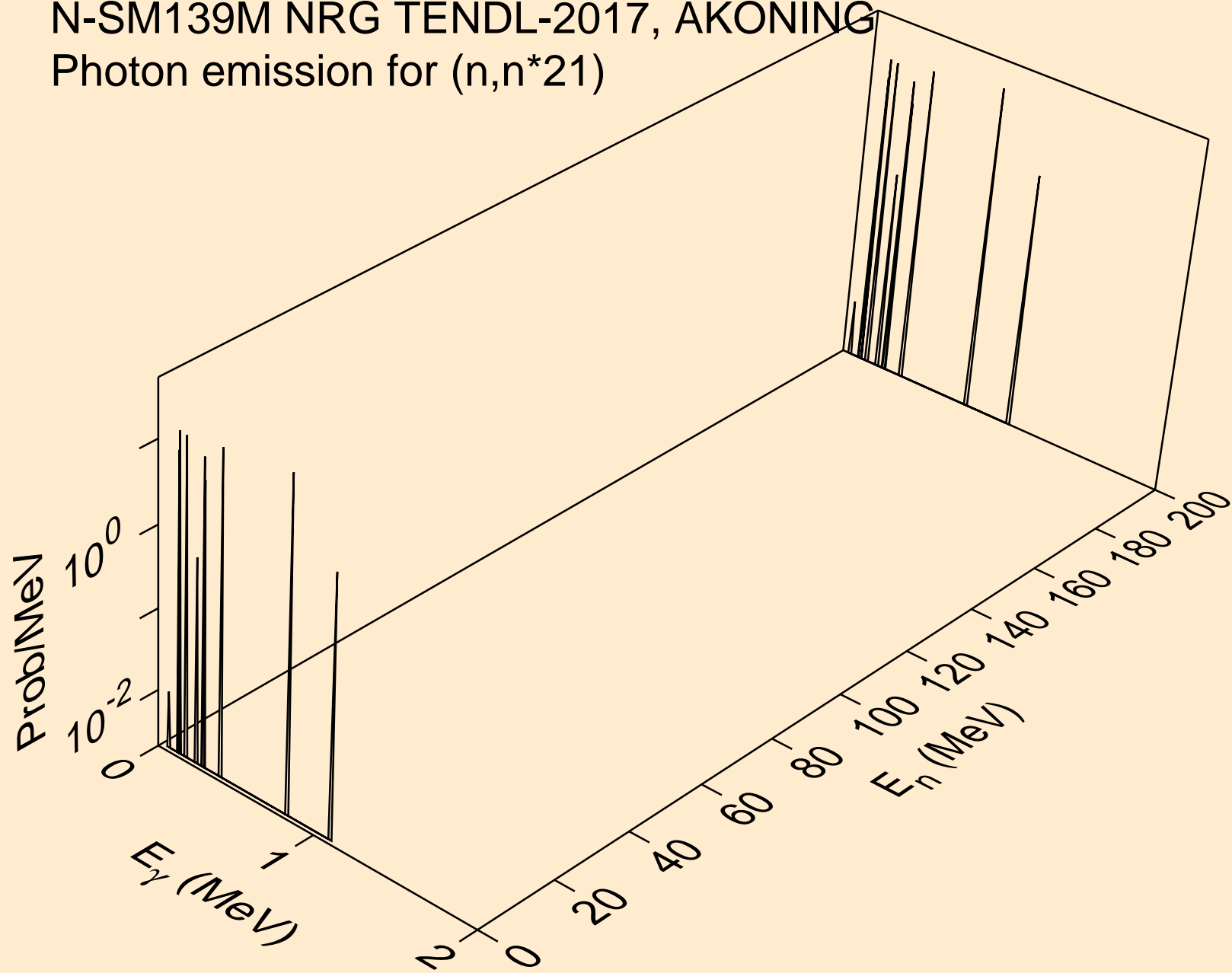
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Photon emission for (n,n*19)



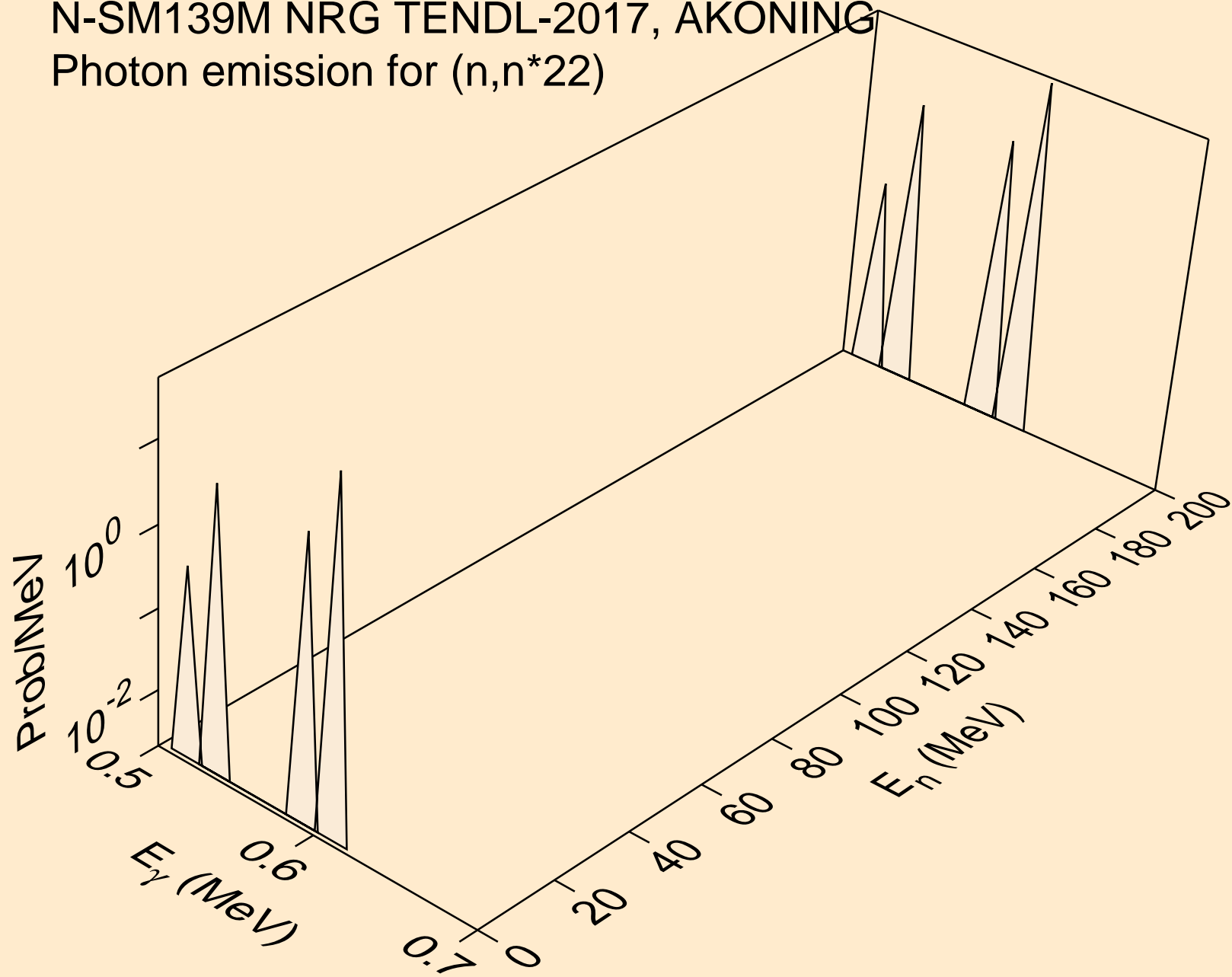
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,n*20)



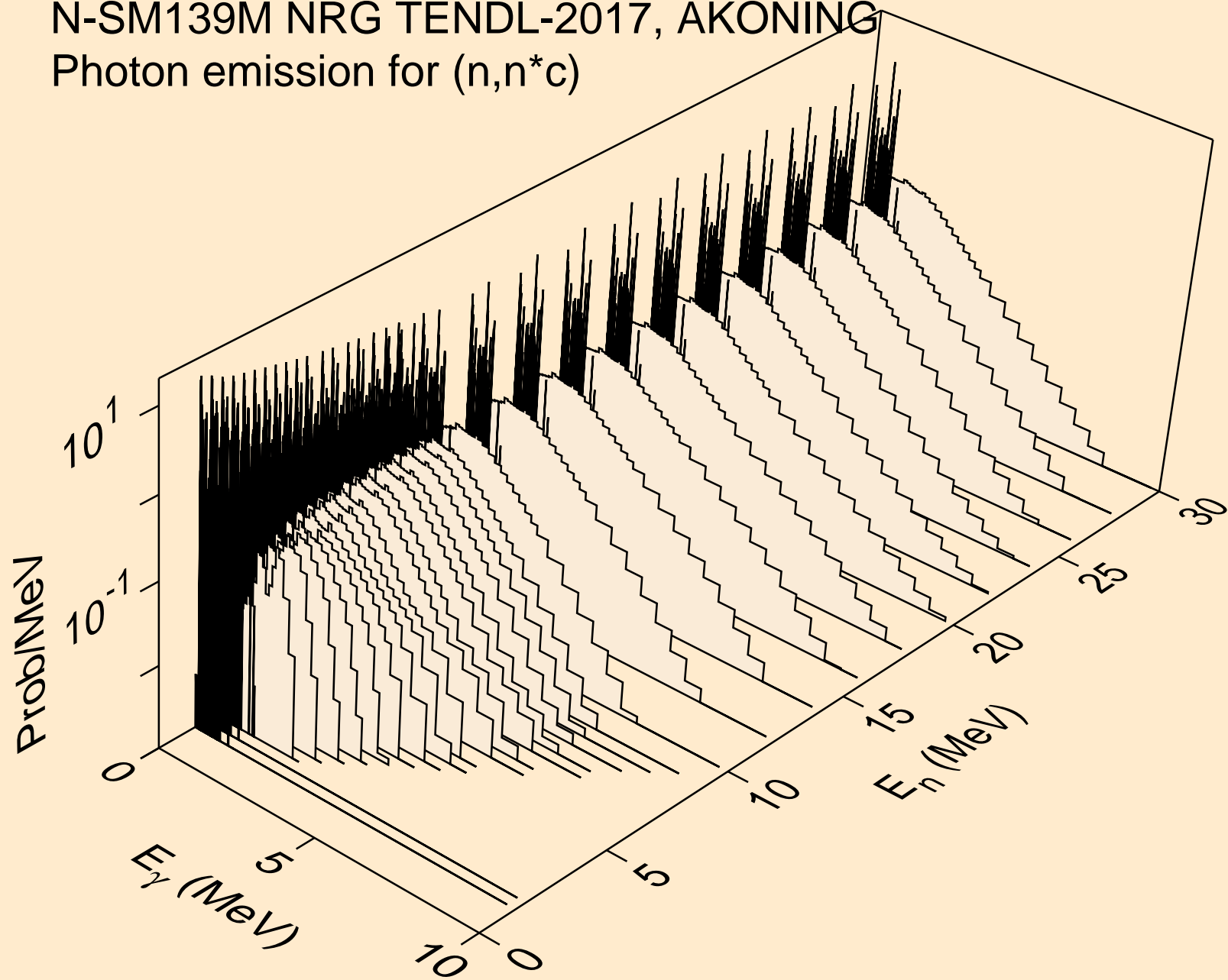
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Photon emission for (n,n*21)



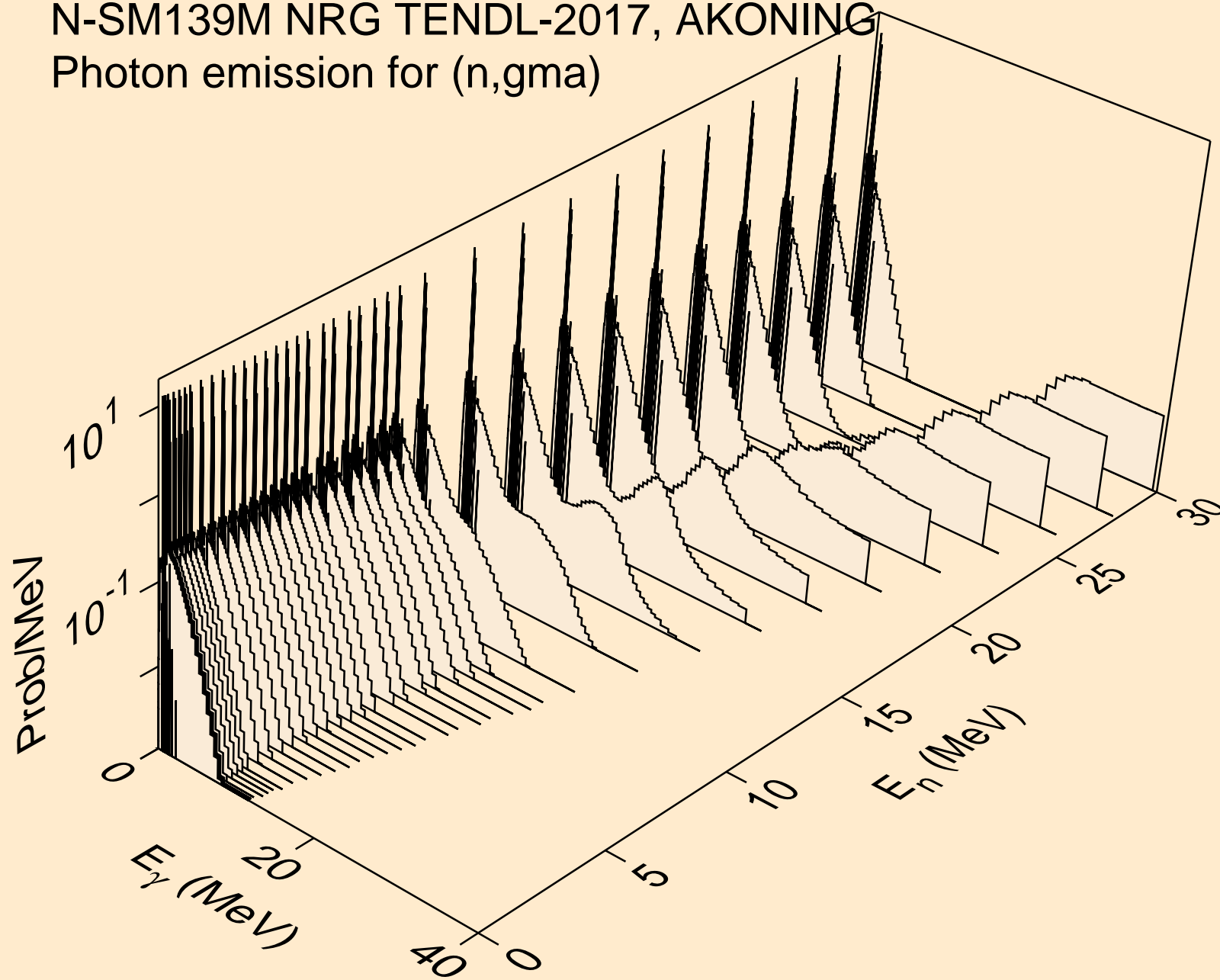
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Photon emission for (n,n*22)



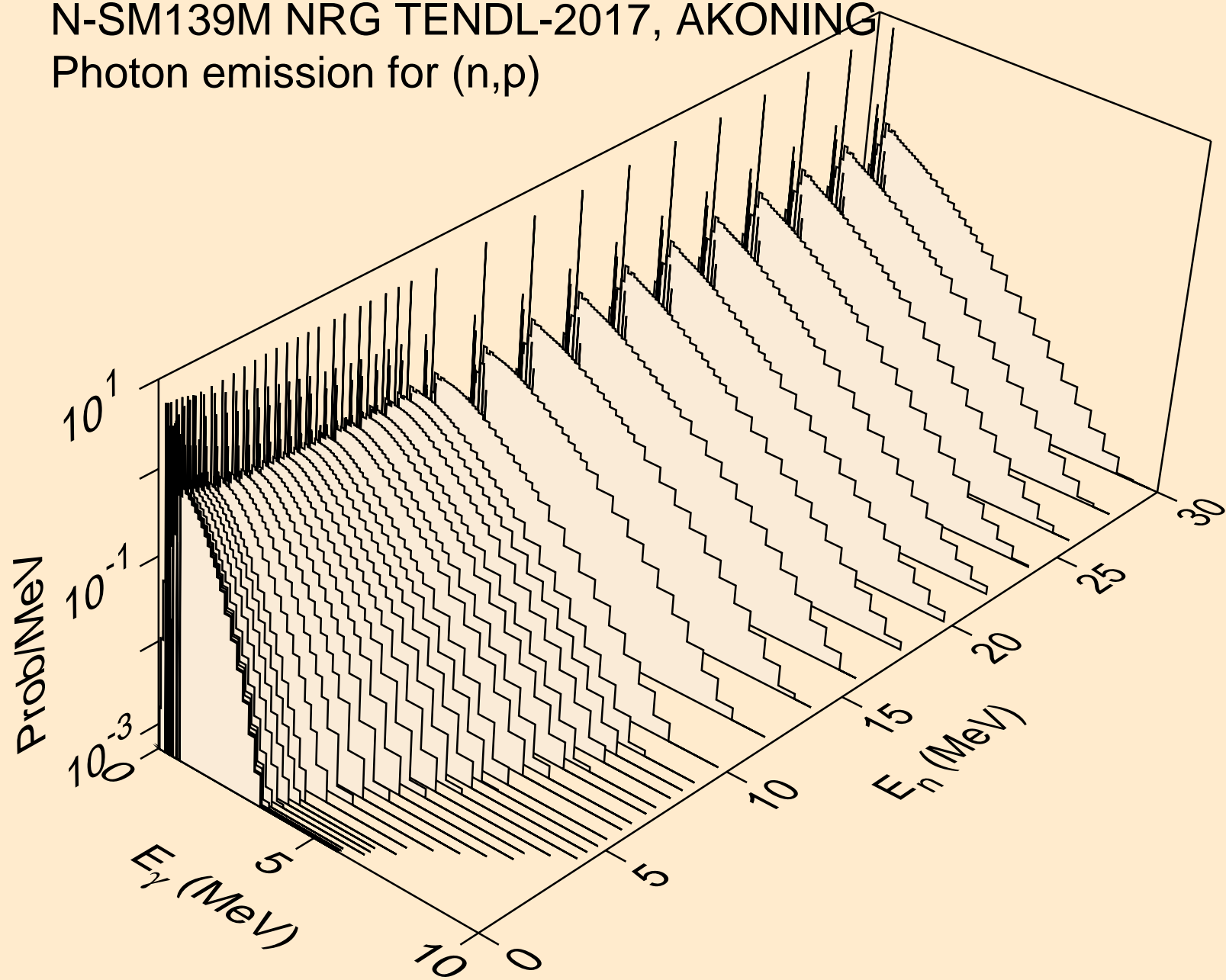
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Photon emission for (n,n*c)



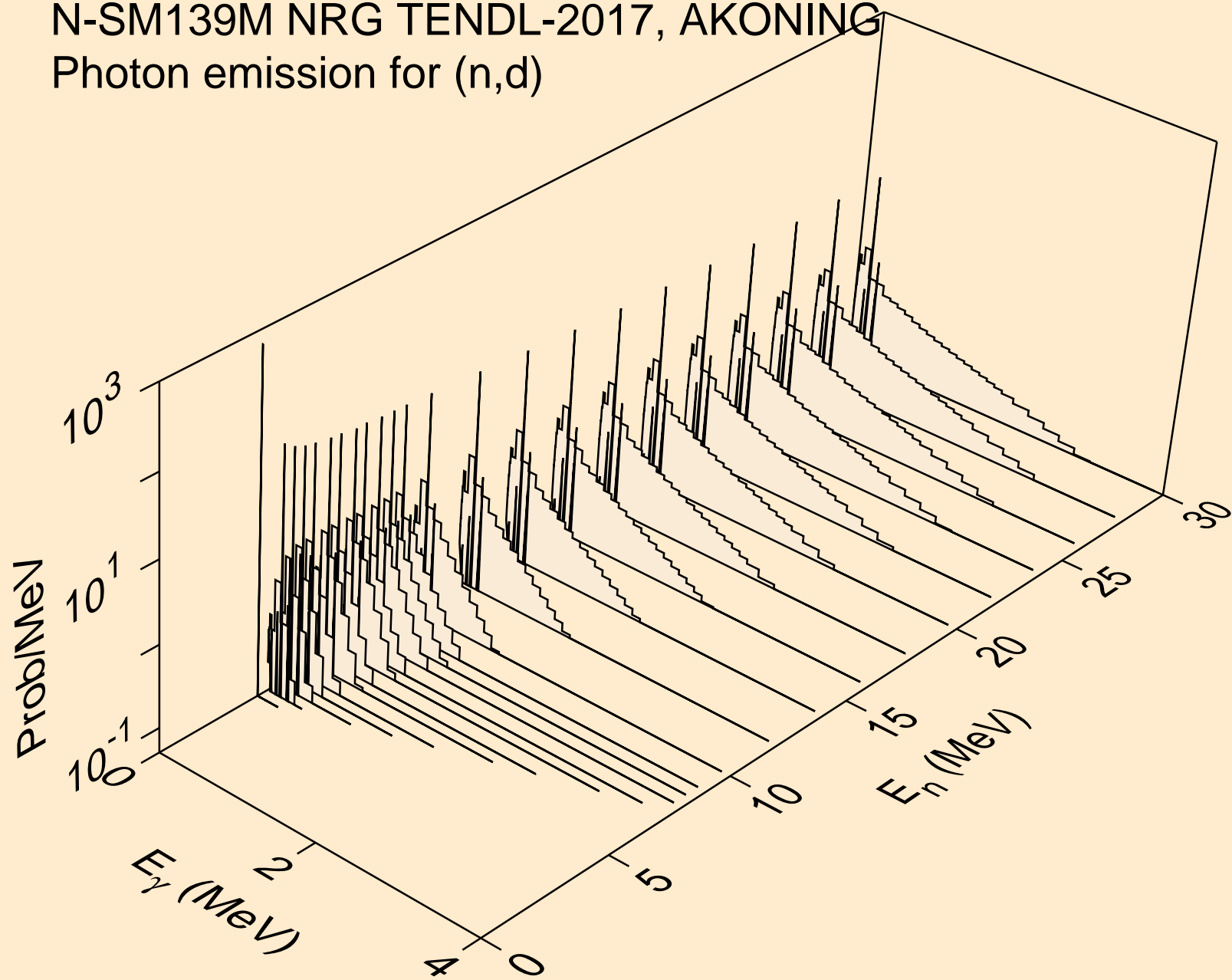
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Photon emission for (n,gma)



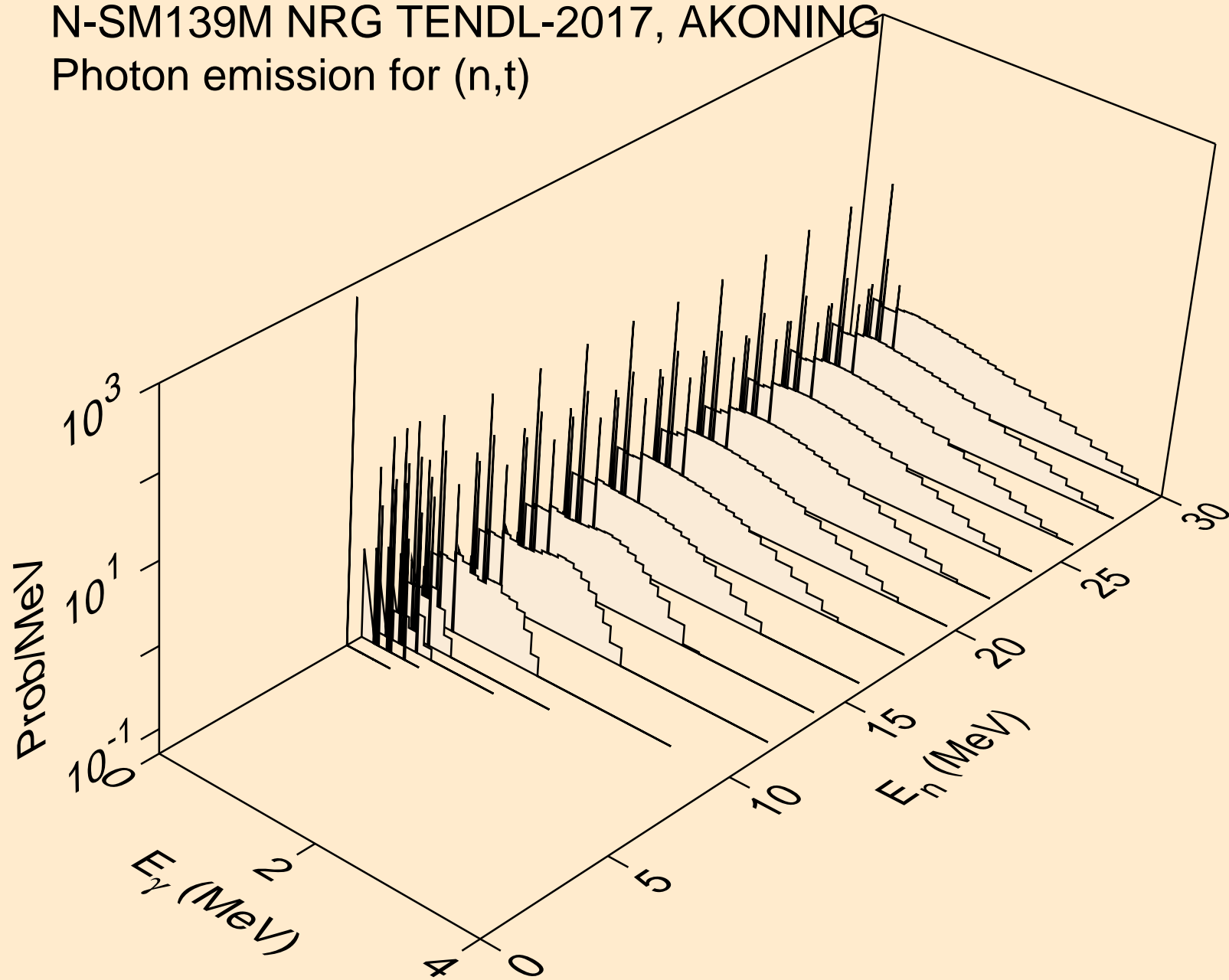
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Photon emission for (n,p)



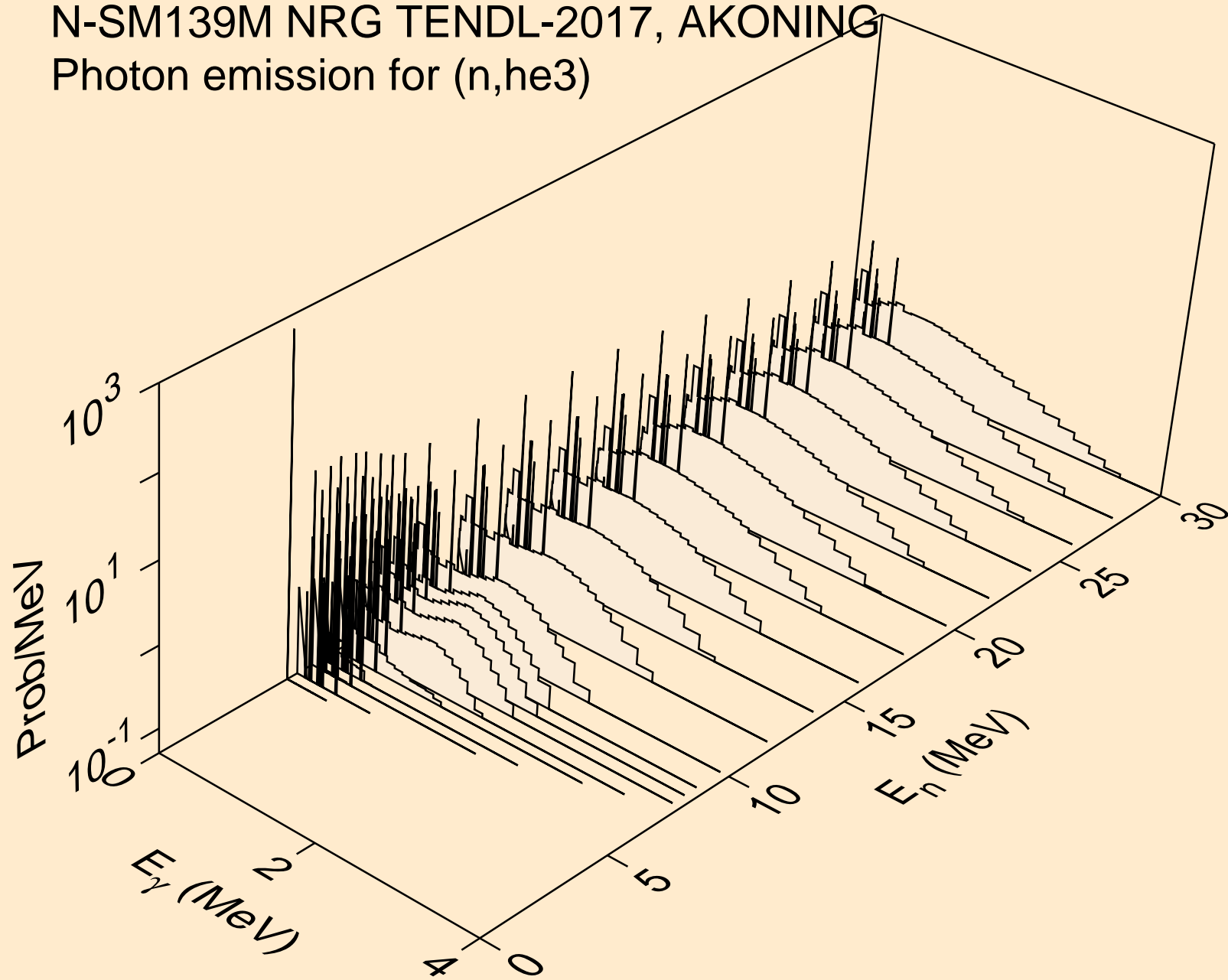
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Photon emission for (n,d)



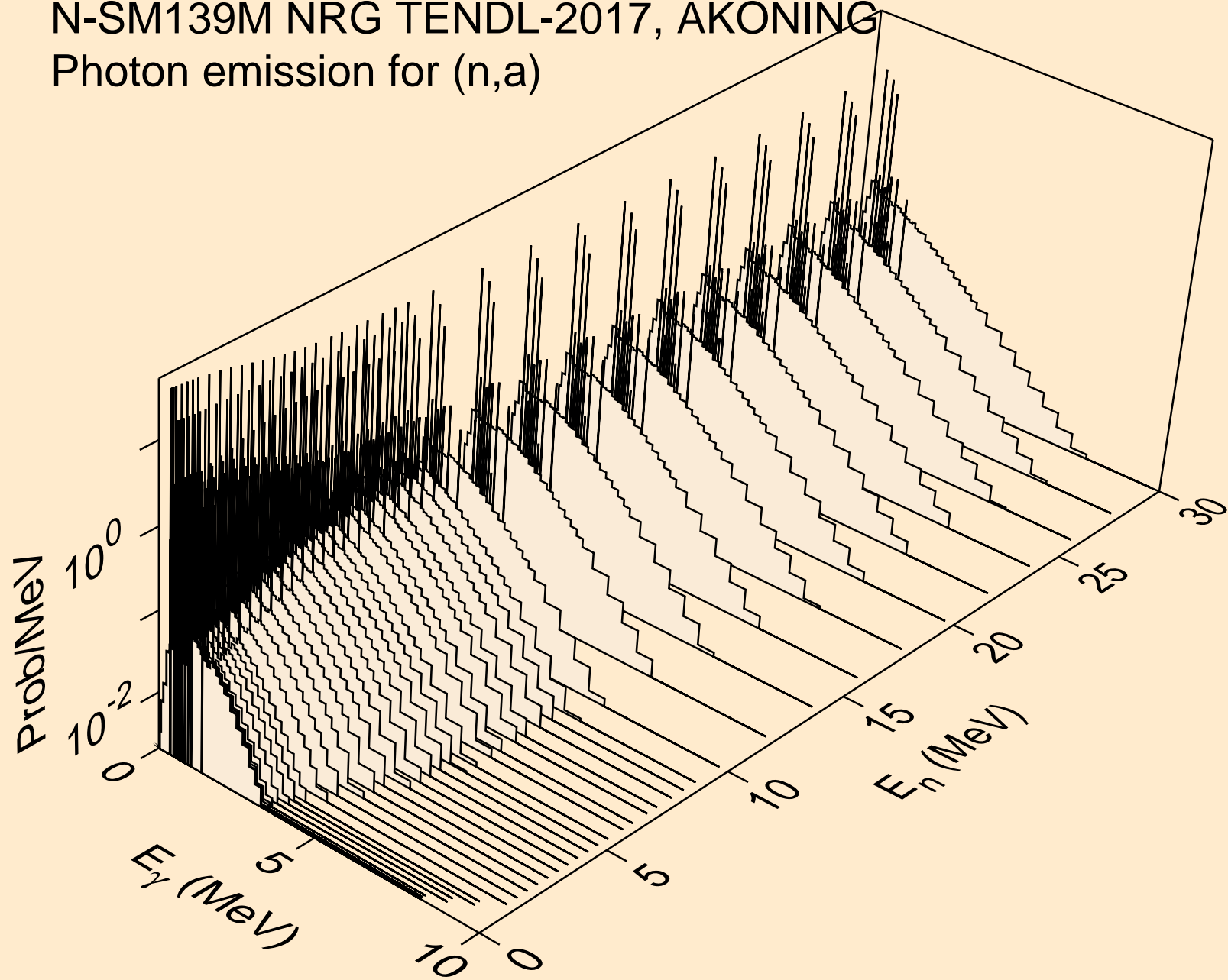
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Photon emission for (n,t)



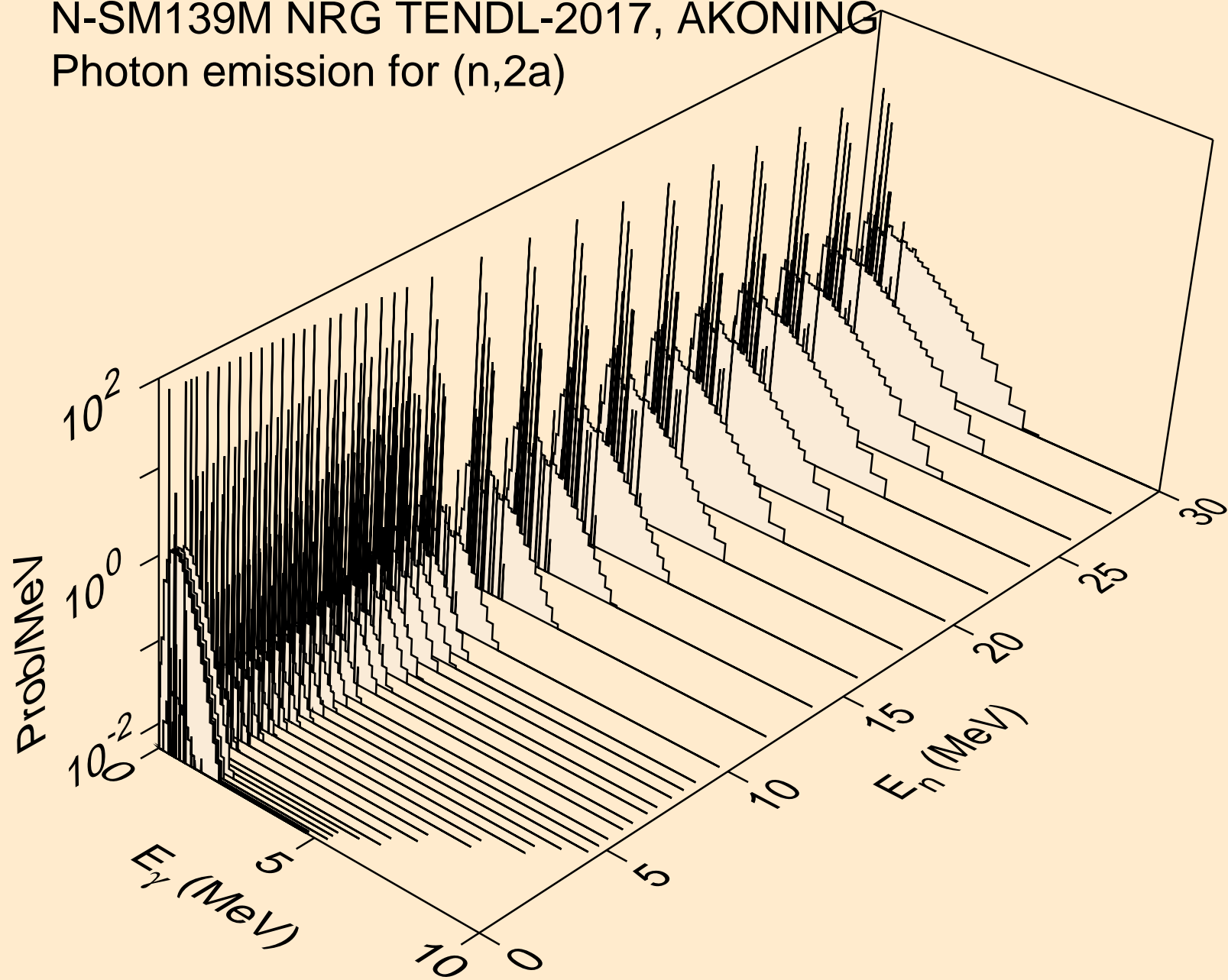
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,he3)



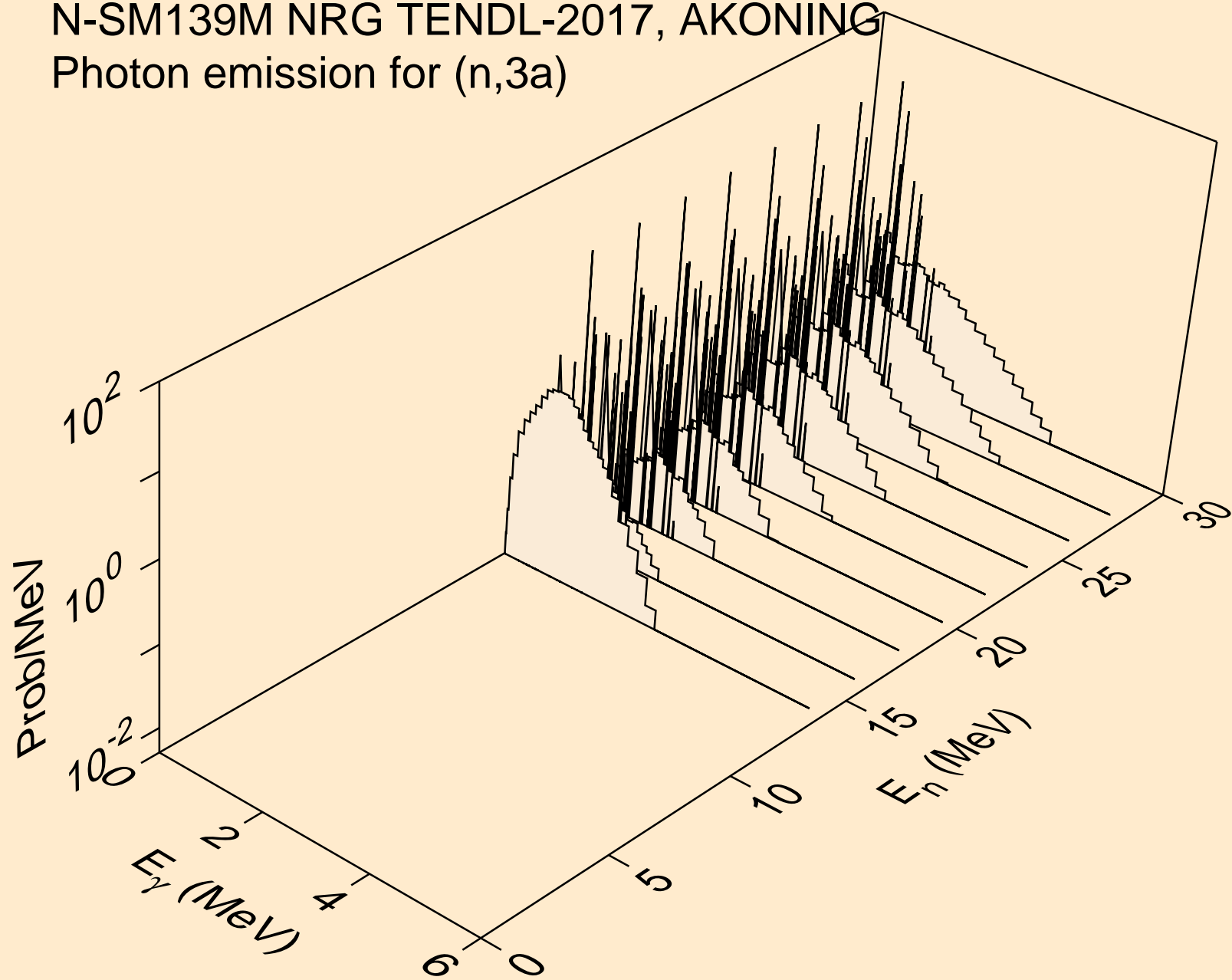
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,a)



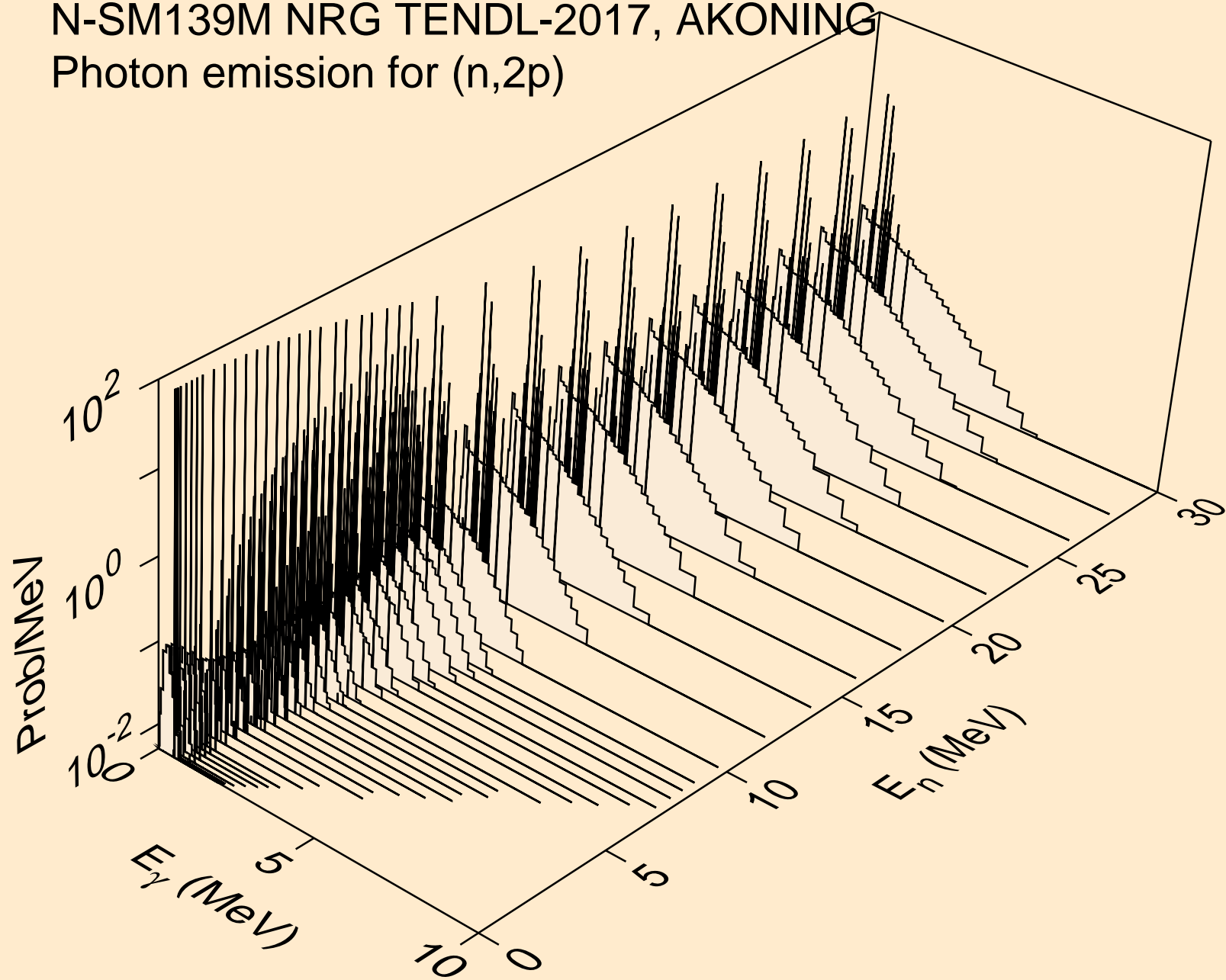
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,2a)



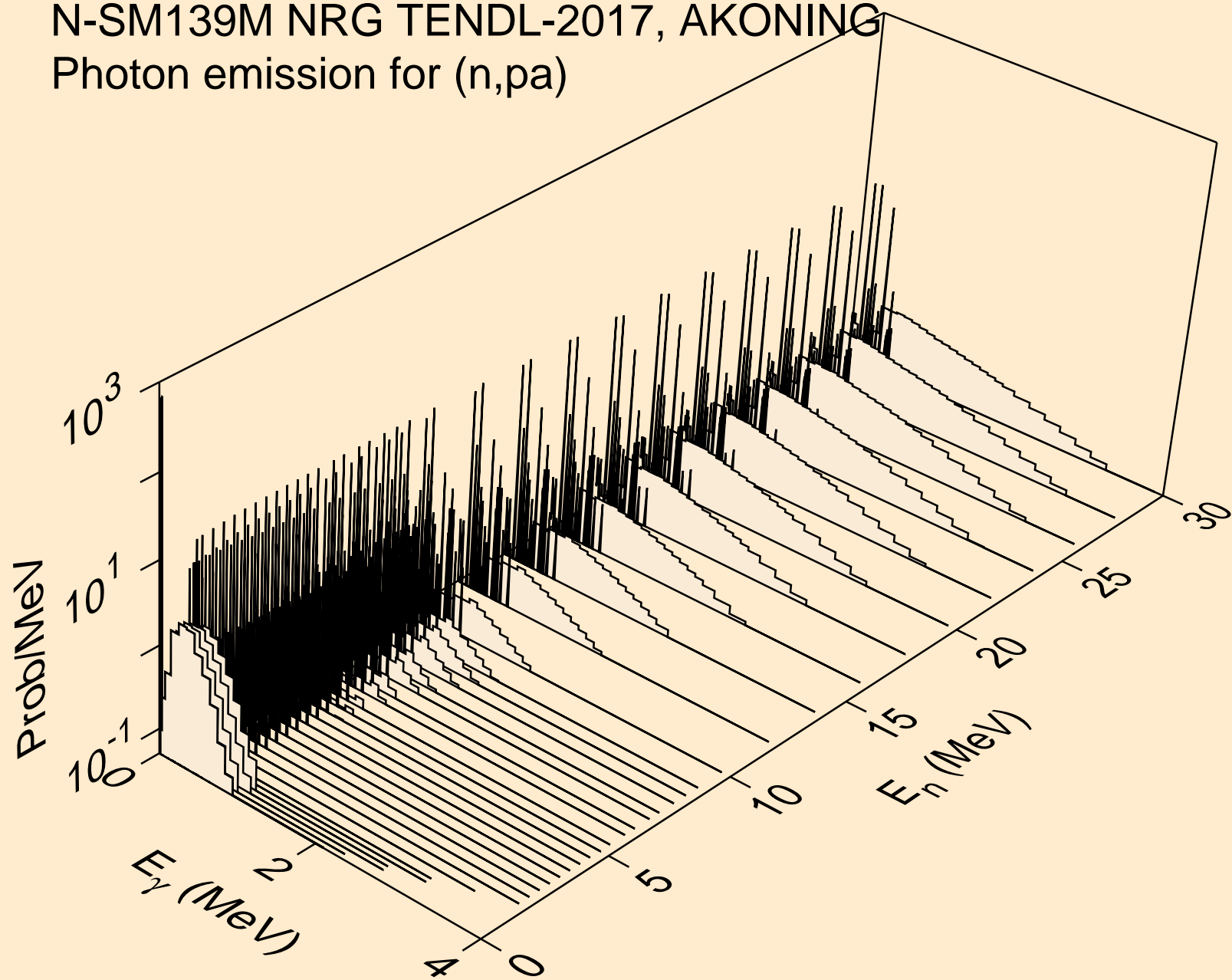
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Photon emission for (n,3a)



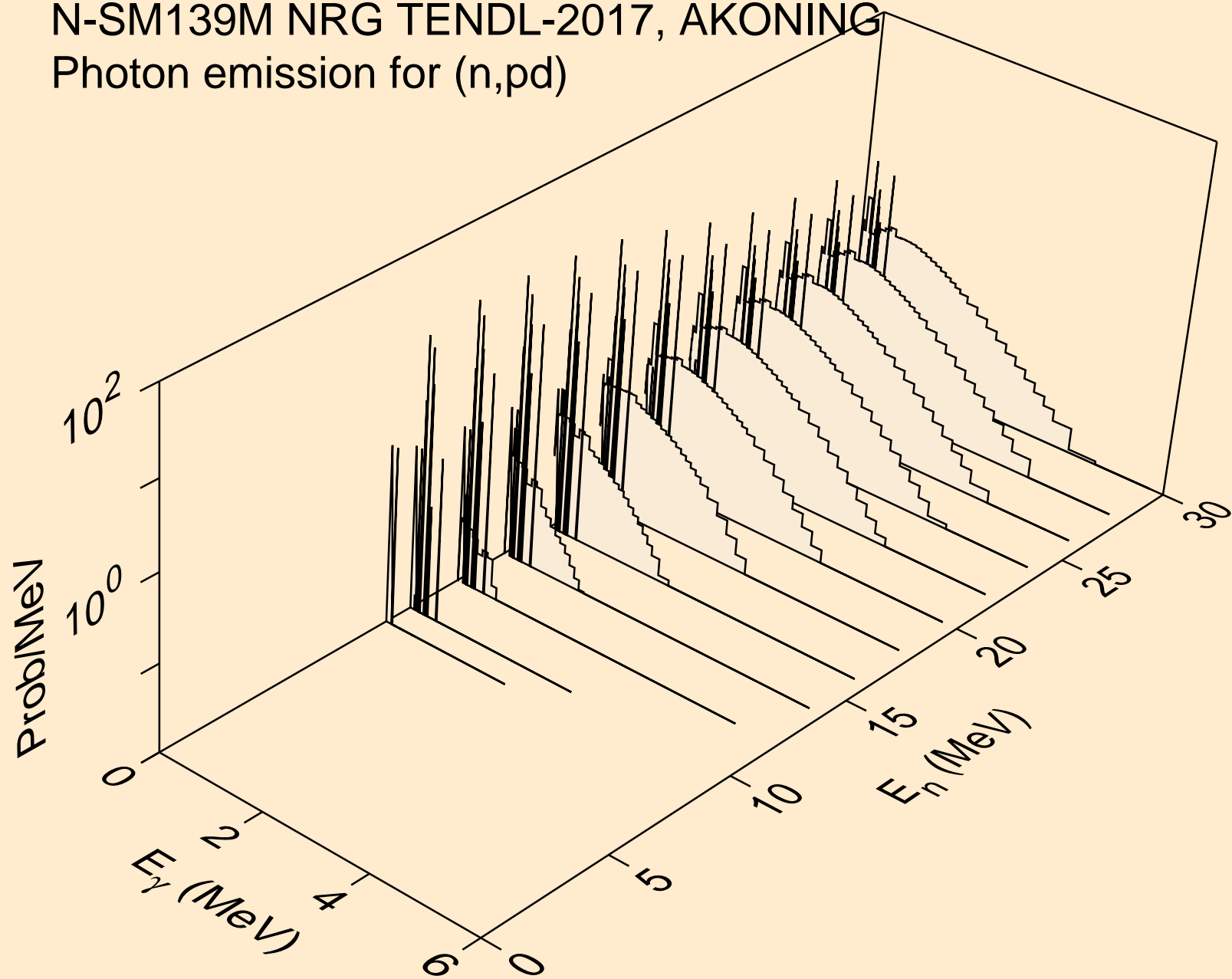
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Photon emission for (n,2p)



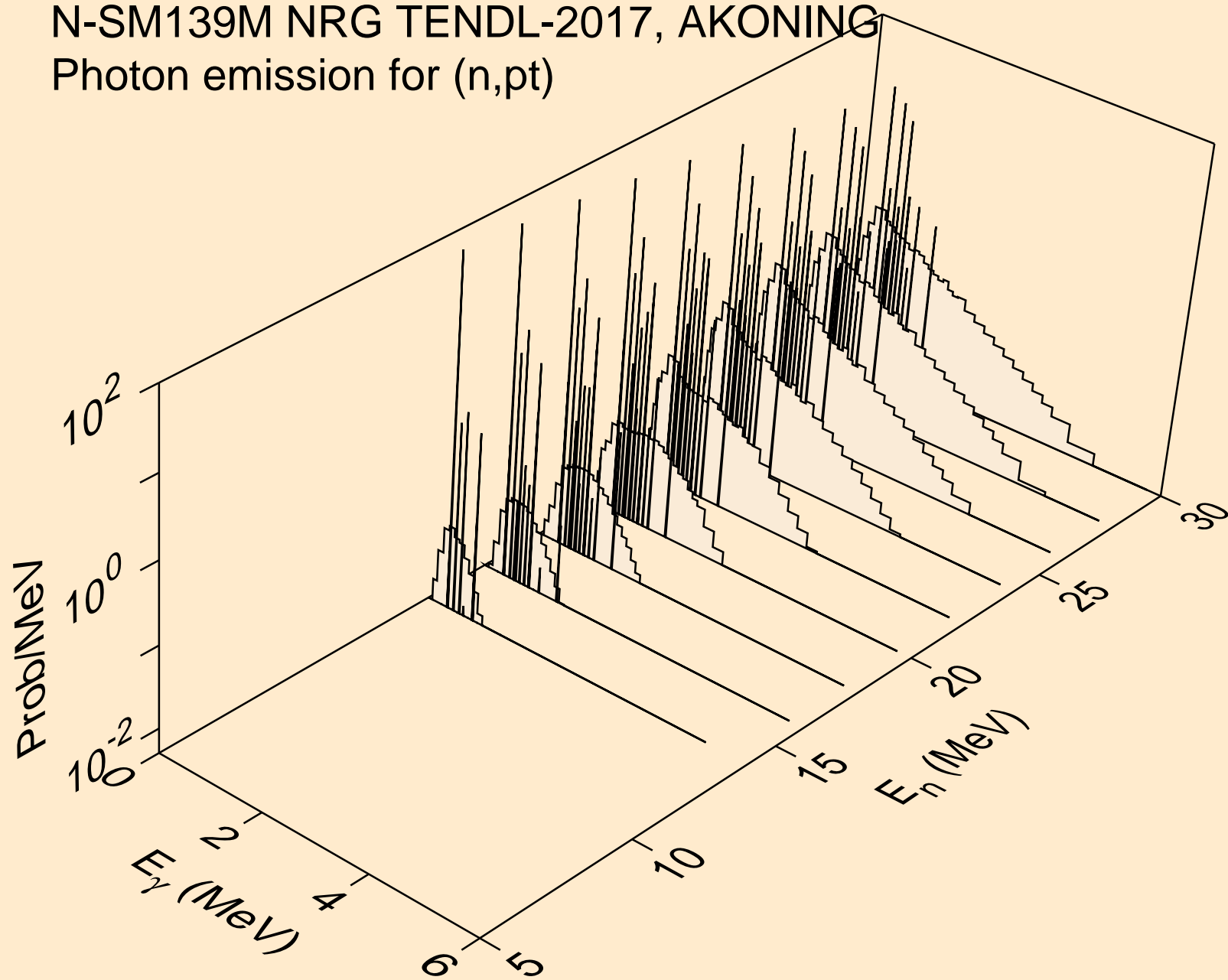
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Photon emission for (n,p)



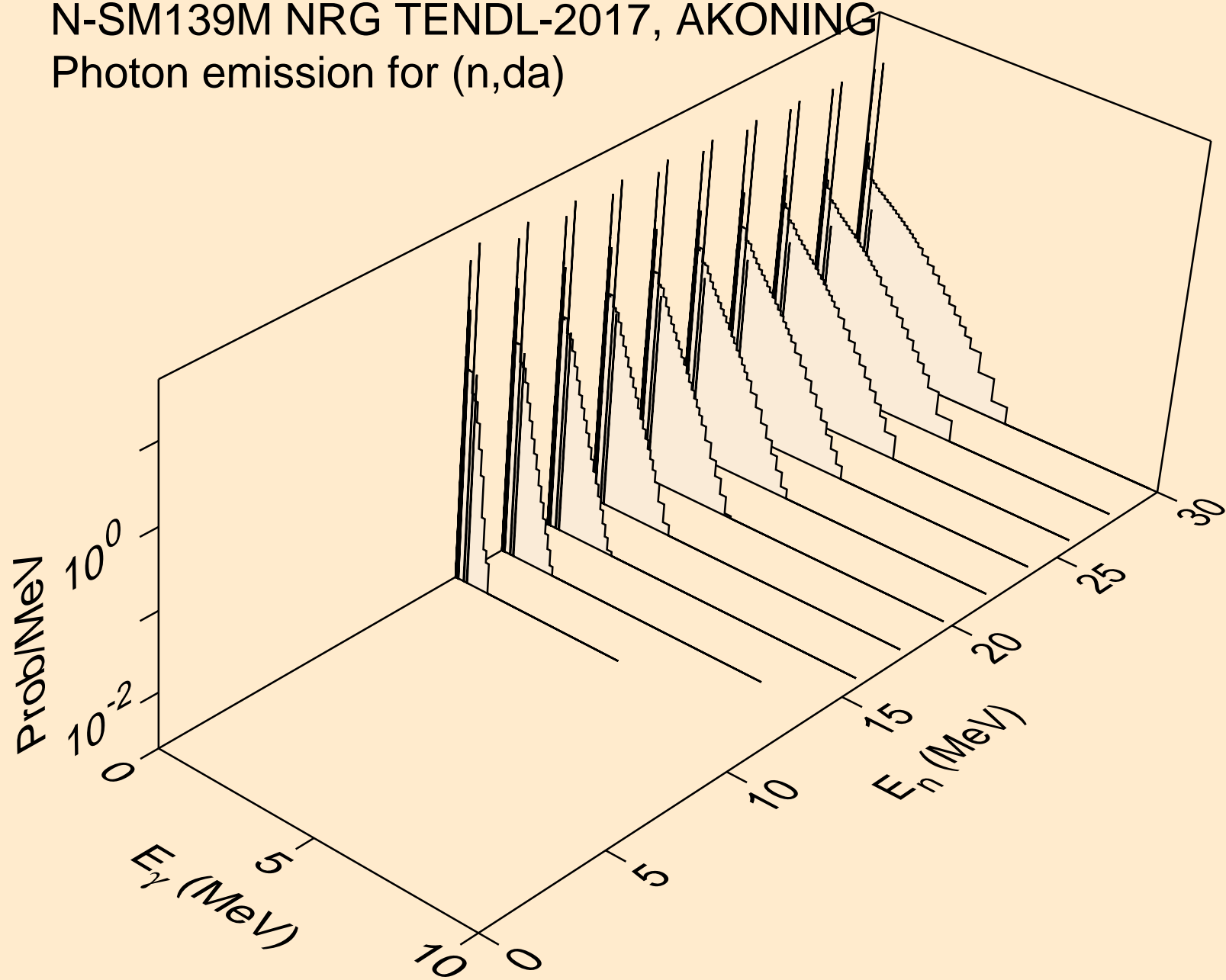
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,pd)



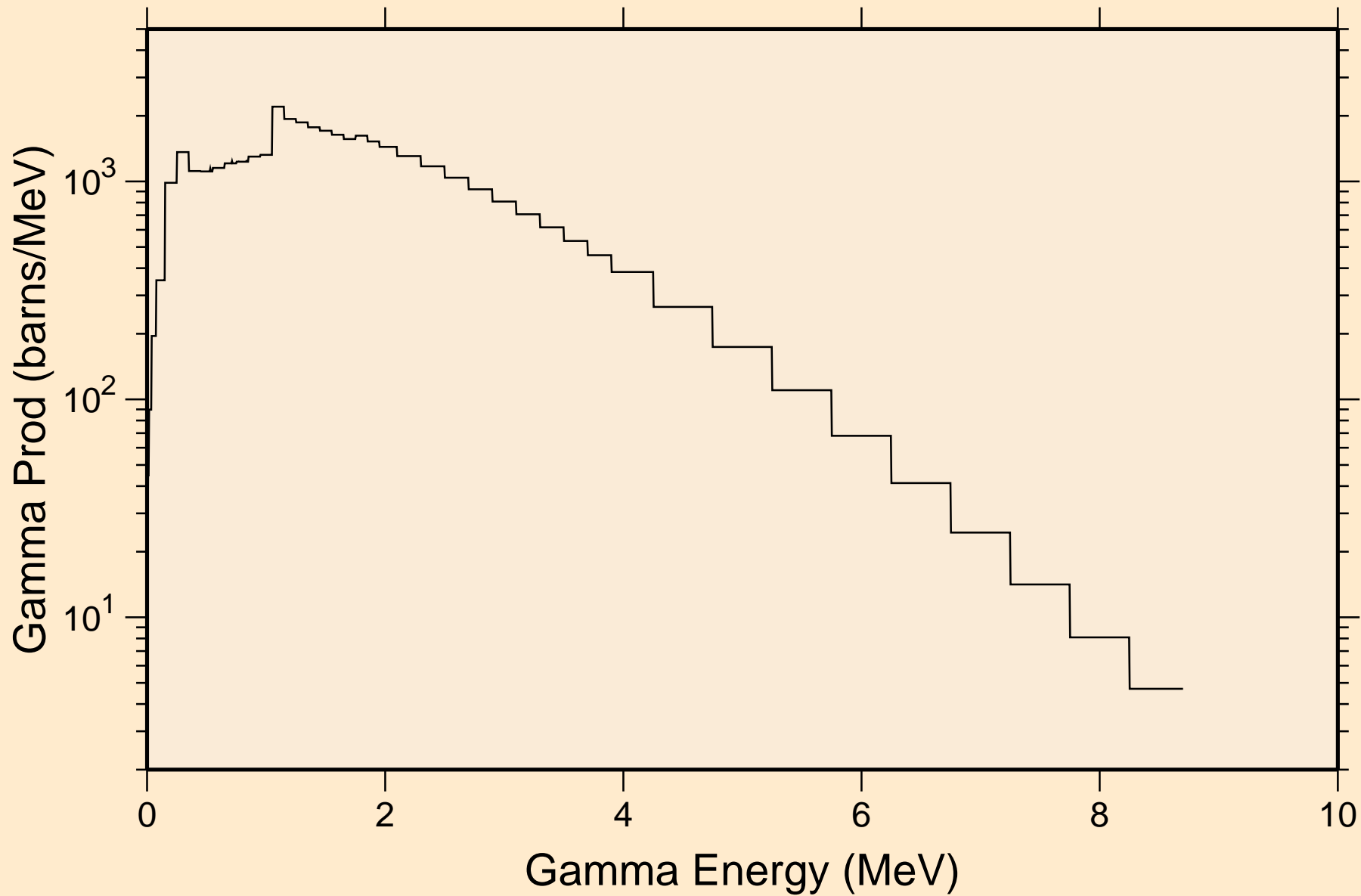
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,pt)



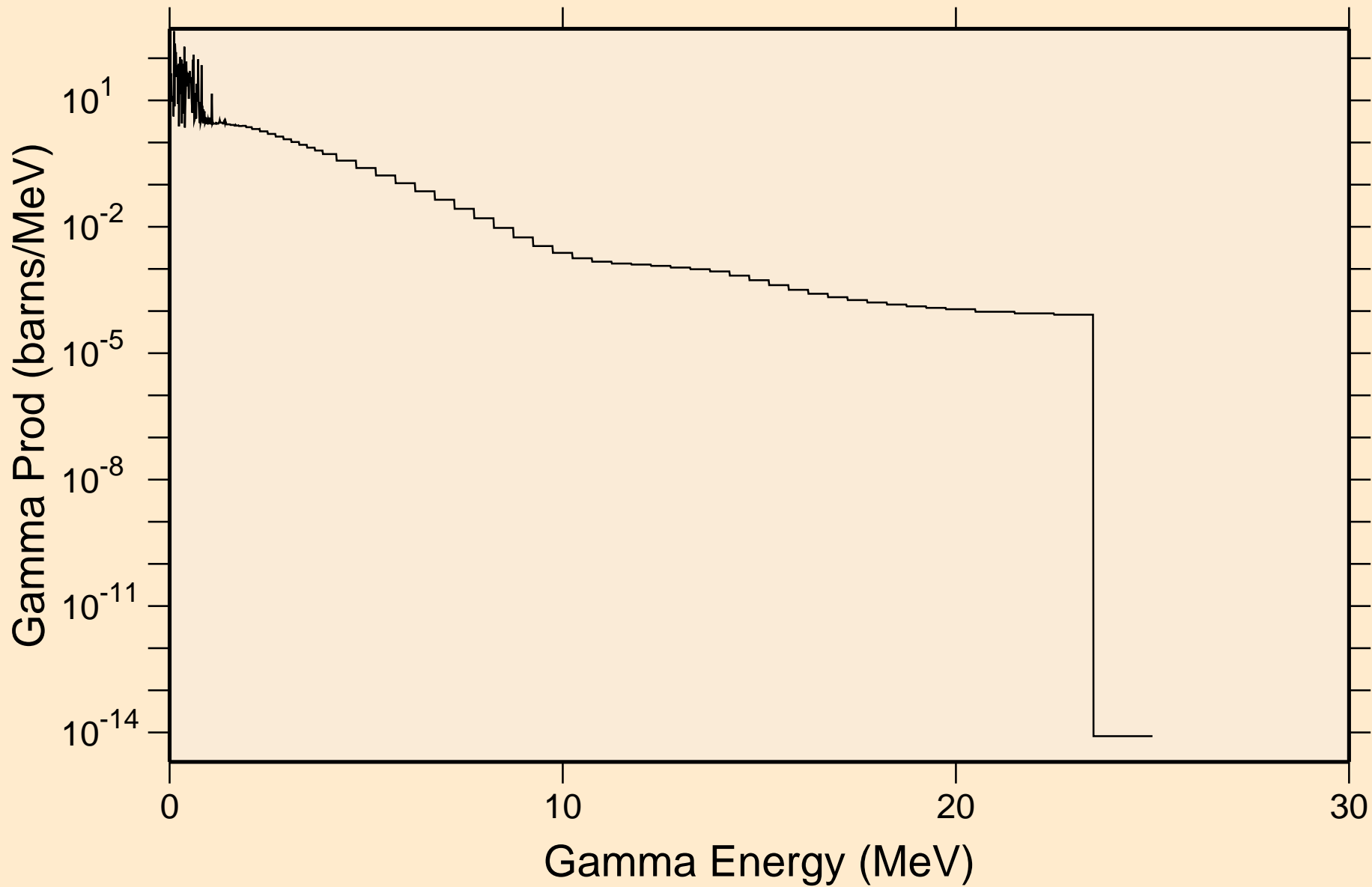
N-SM139M NRG TENDL-2017, AKONING
Photon emission for (n,da)



N-SM139M NRG TENDL-2017, AKONING
thermal capture photon spectrum

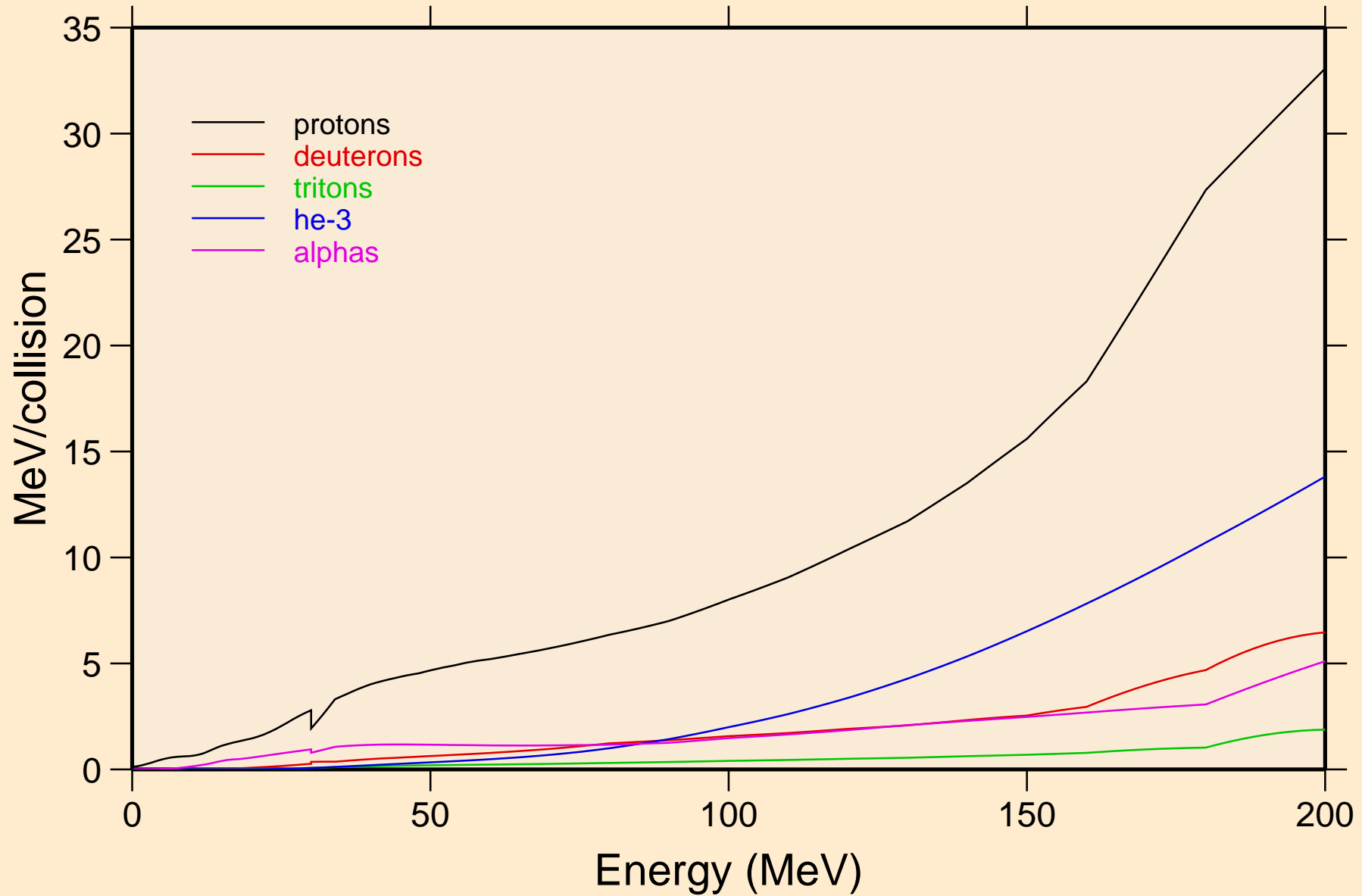


N-SM139M NRG TENDL-2017, AKONING
14 MeV photon spectrum



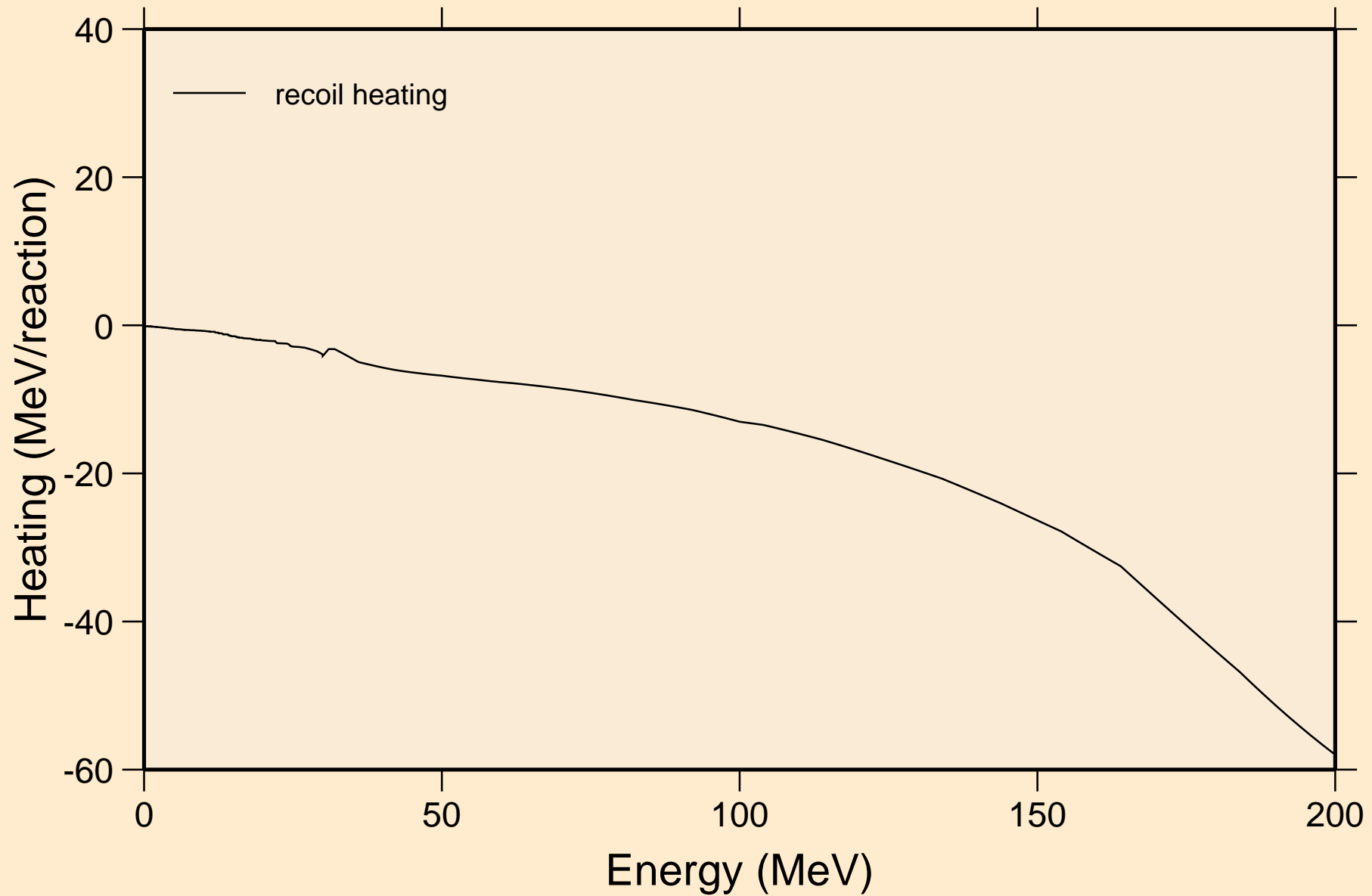
N-SM139M NRG TENDL-2017, AKONING

Particle heating contributions



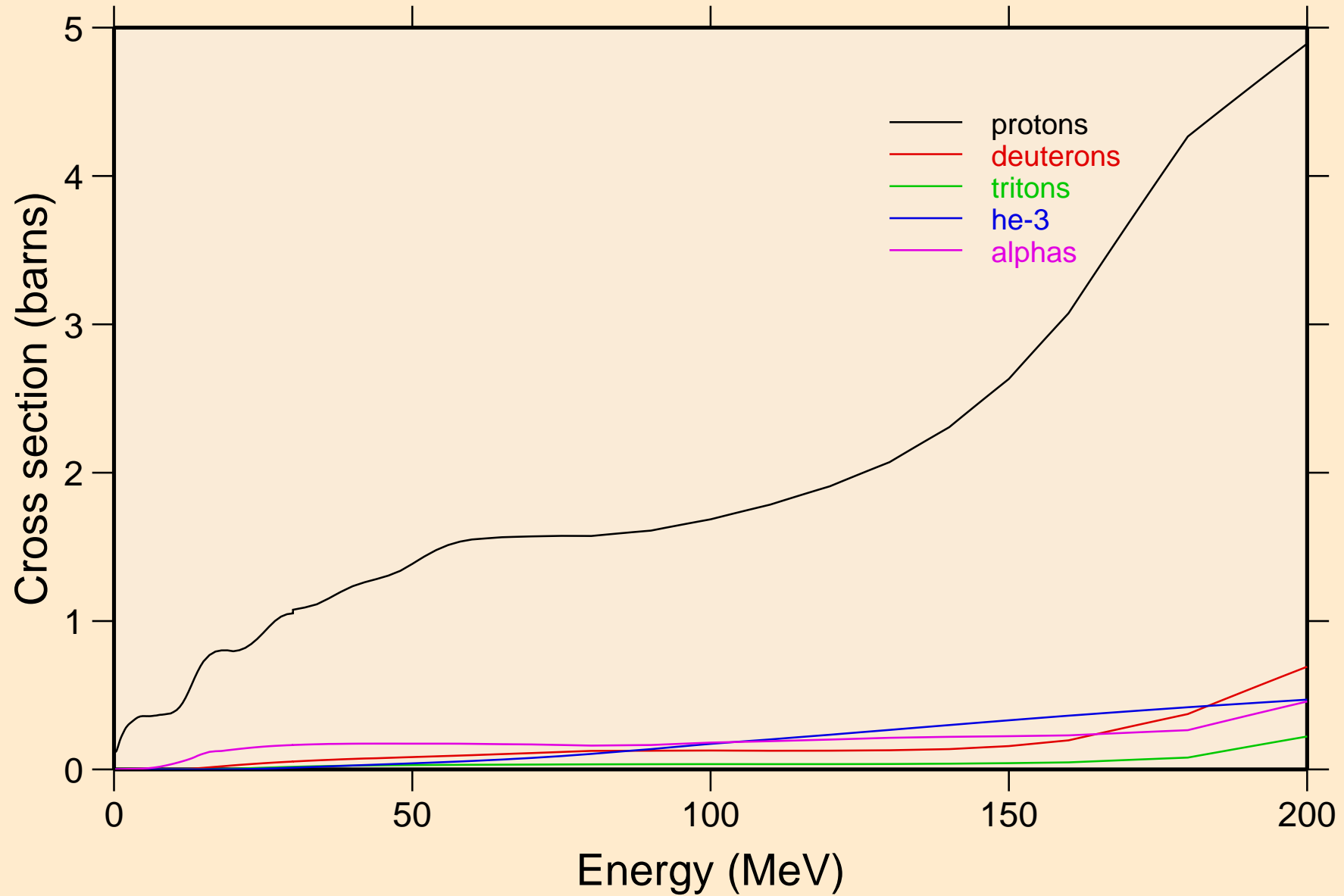
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Recoil Heating

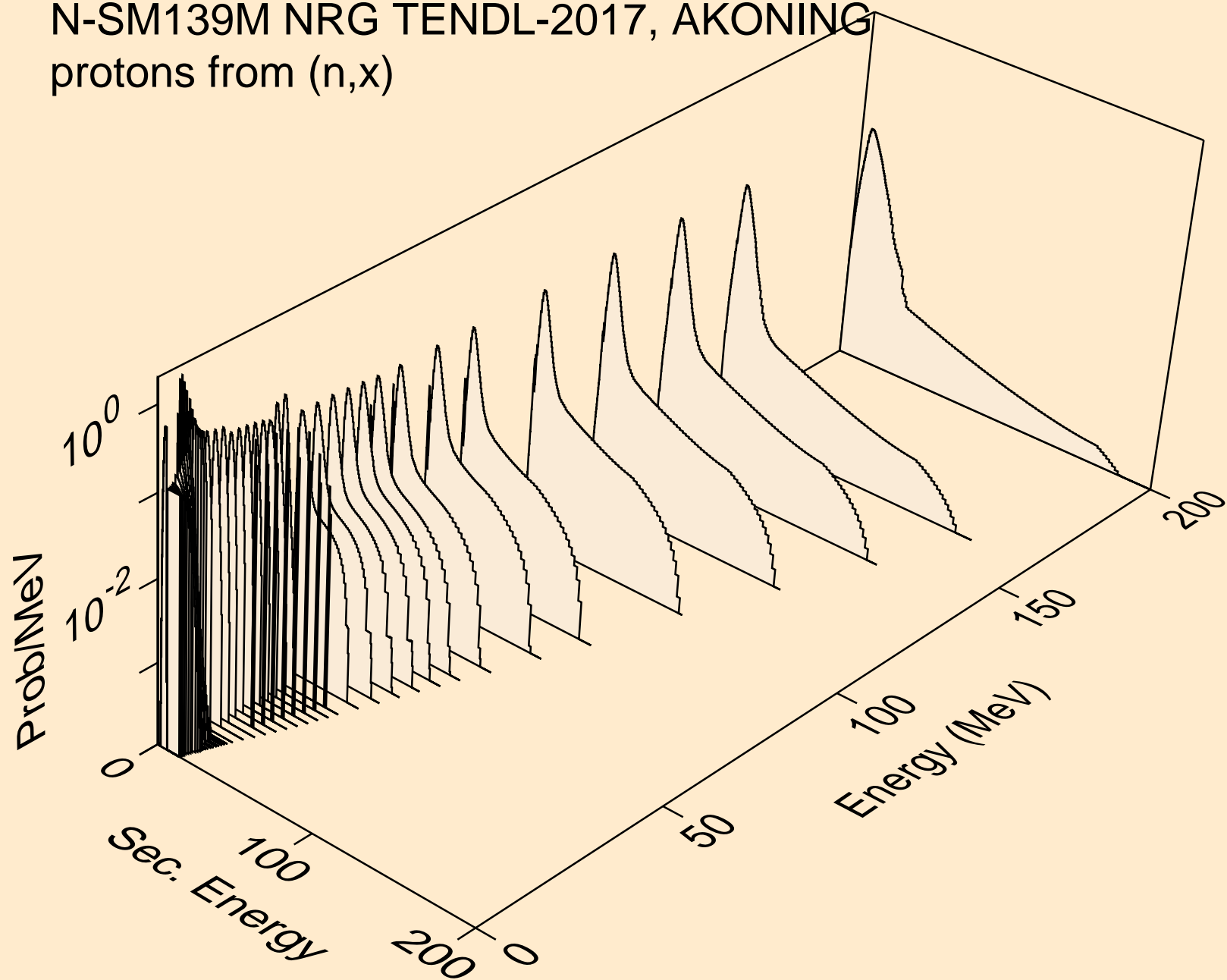


N-SM139M NRG TENDL-2017, AKONING

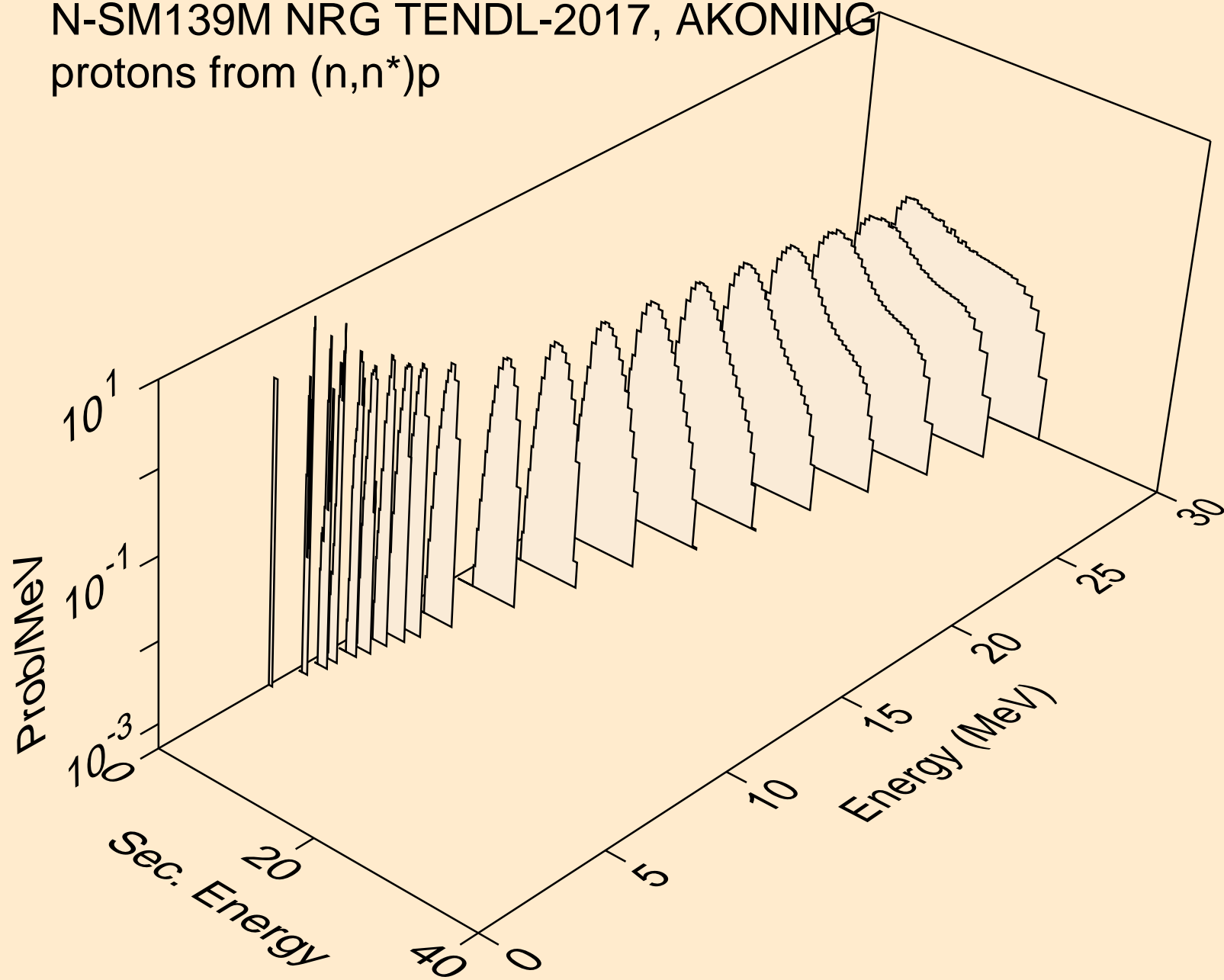
Particle production cross sections



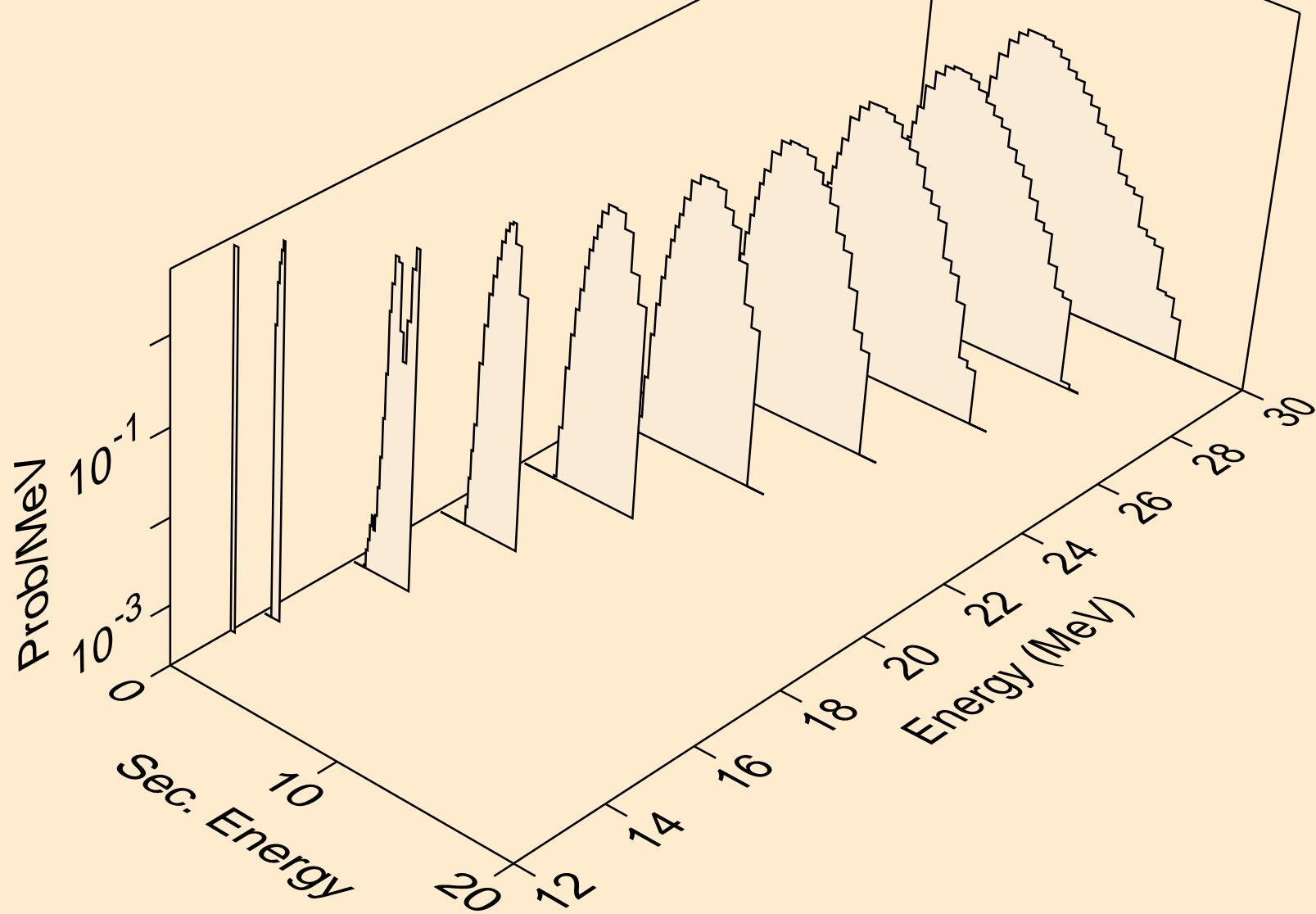
N-SM139M NRG TENDL-2017, AKONING
protons from (n,x)



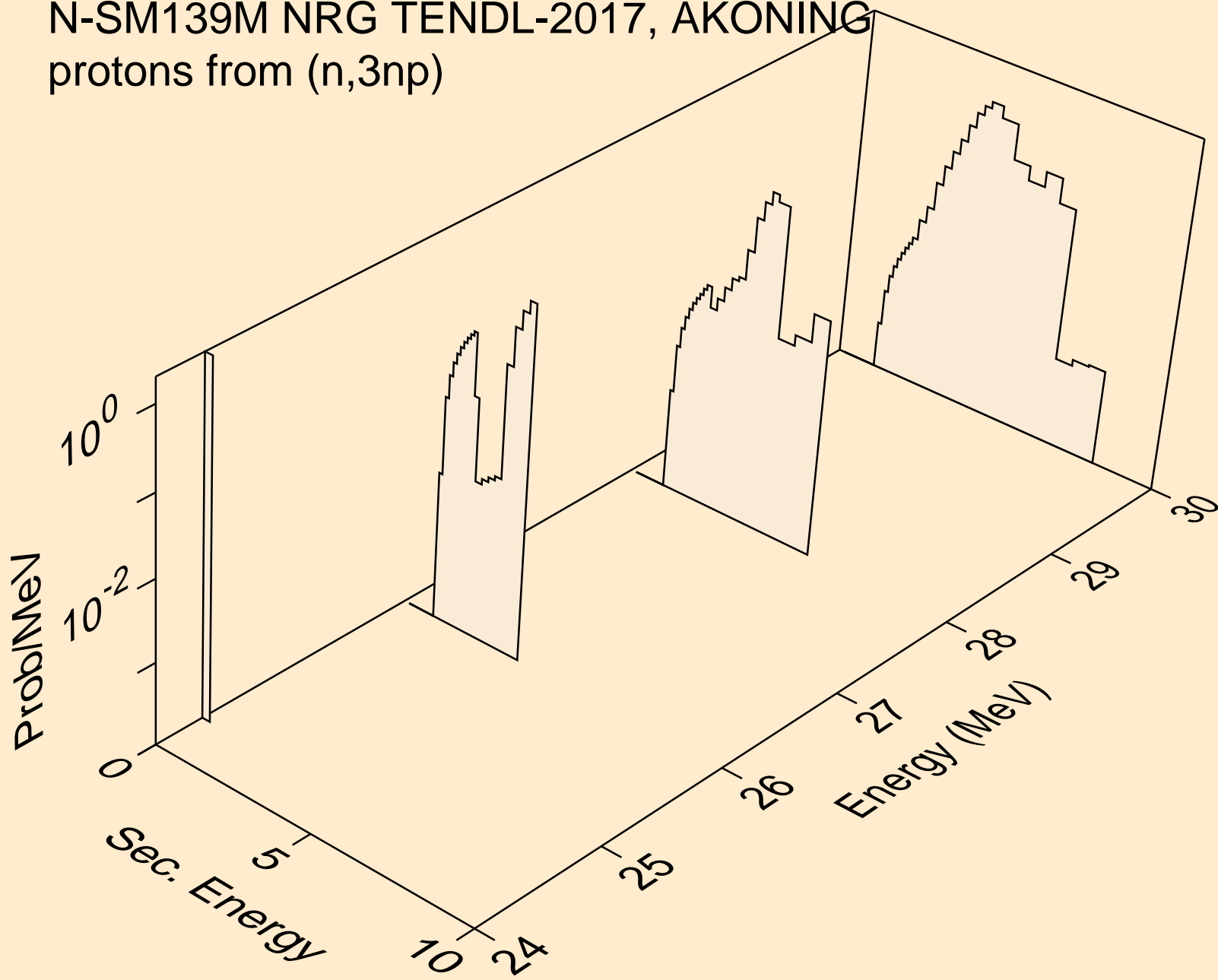
N-SM139M NRG TENDL-2017, AKONING
protons from (n,n*)p



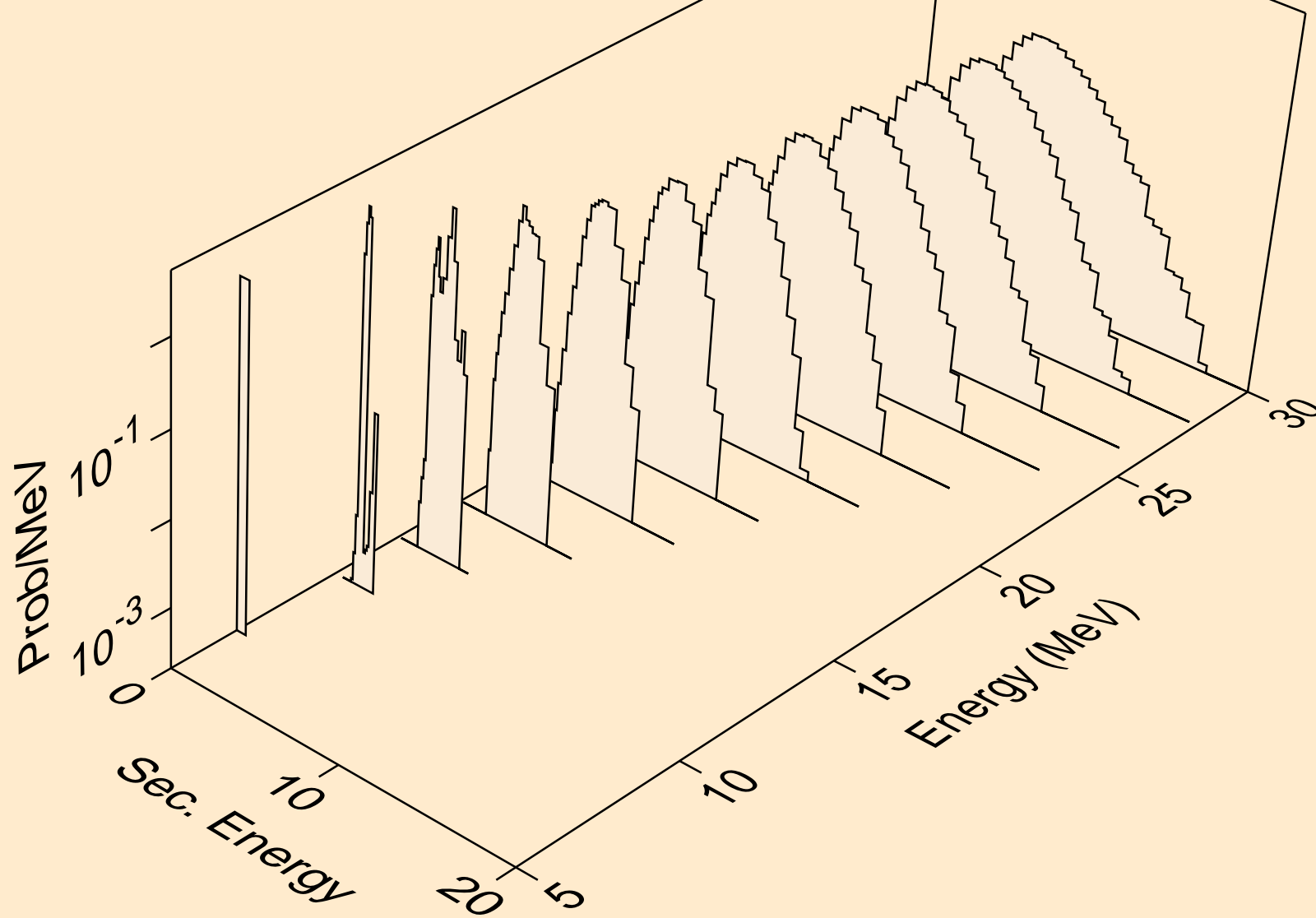
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protons from (n,2np)



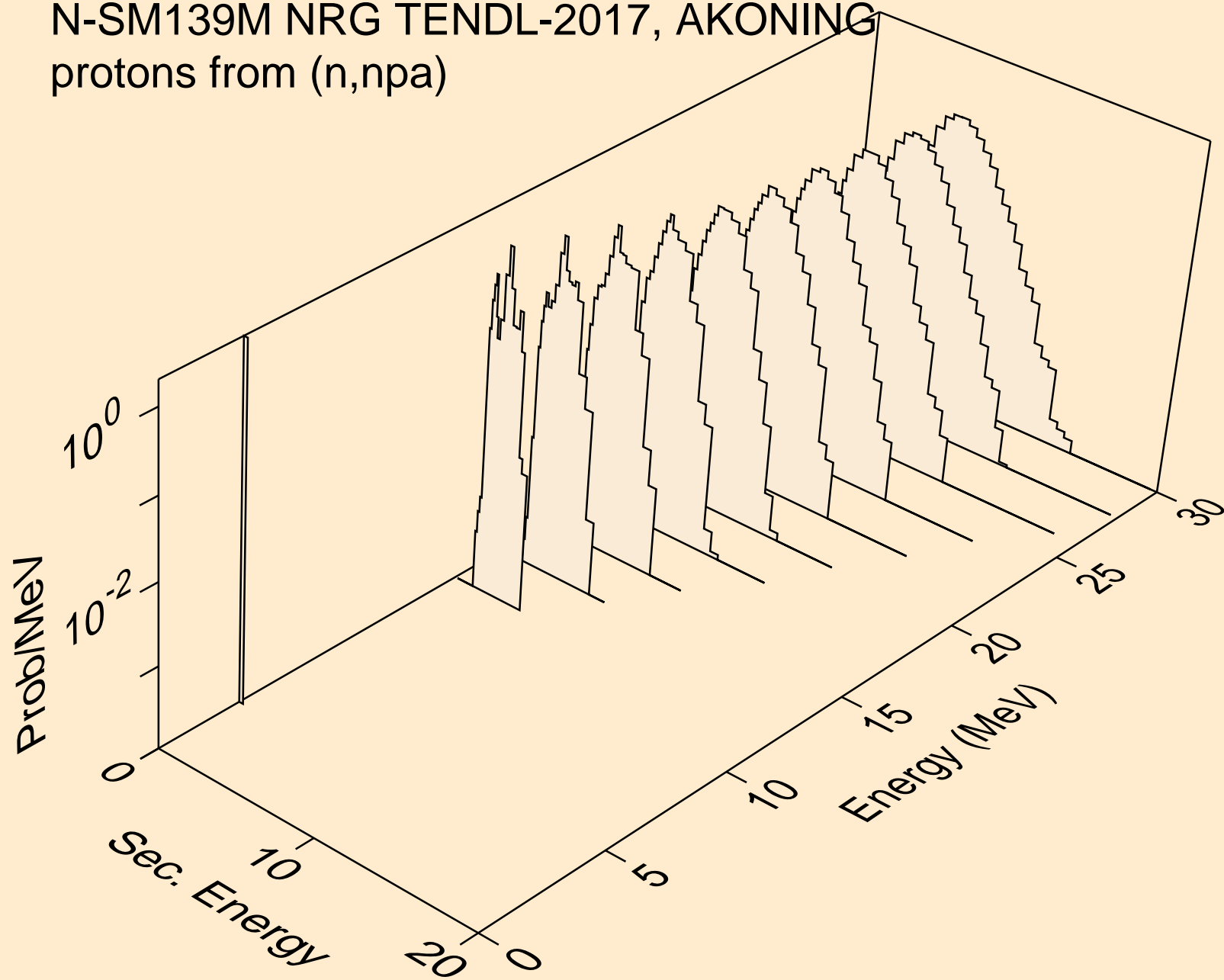
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protons from (n,3np)



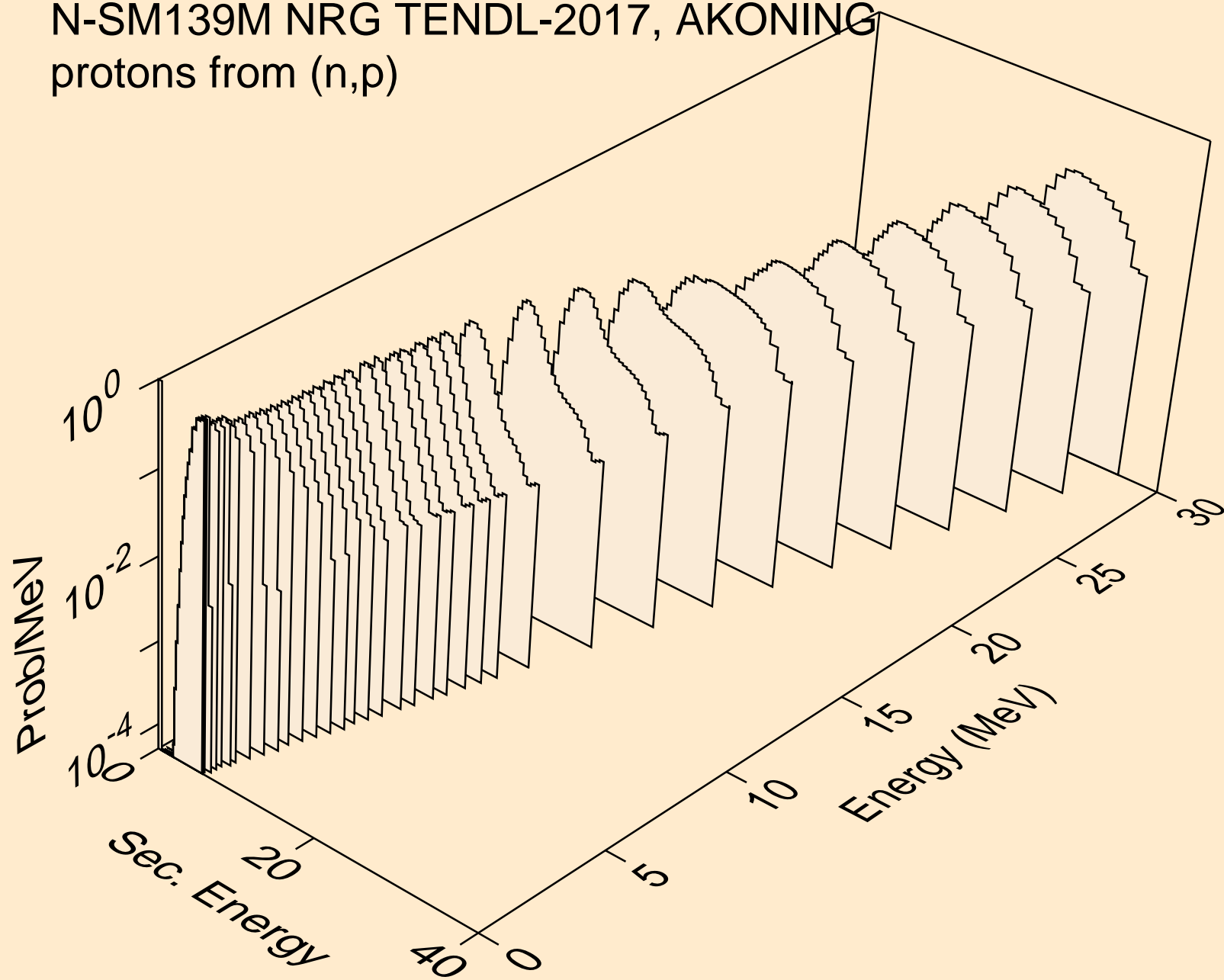
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protons from (n,2np)



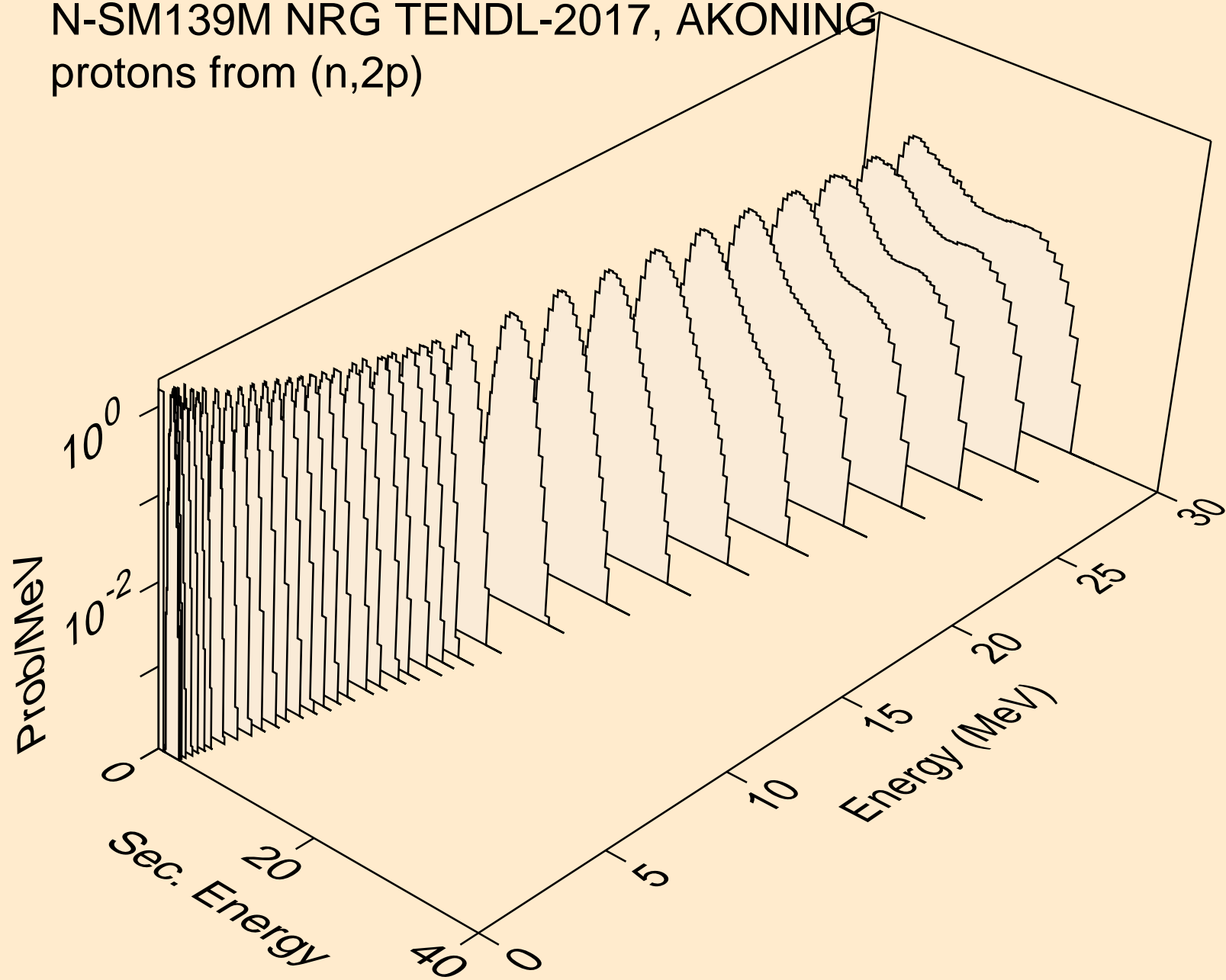
N-SM139M NRG TENDL-2017, AKONING
protons from (n,npa)



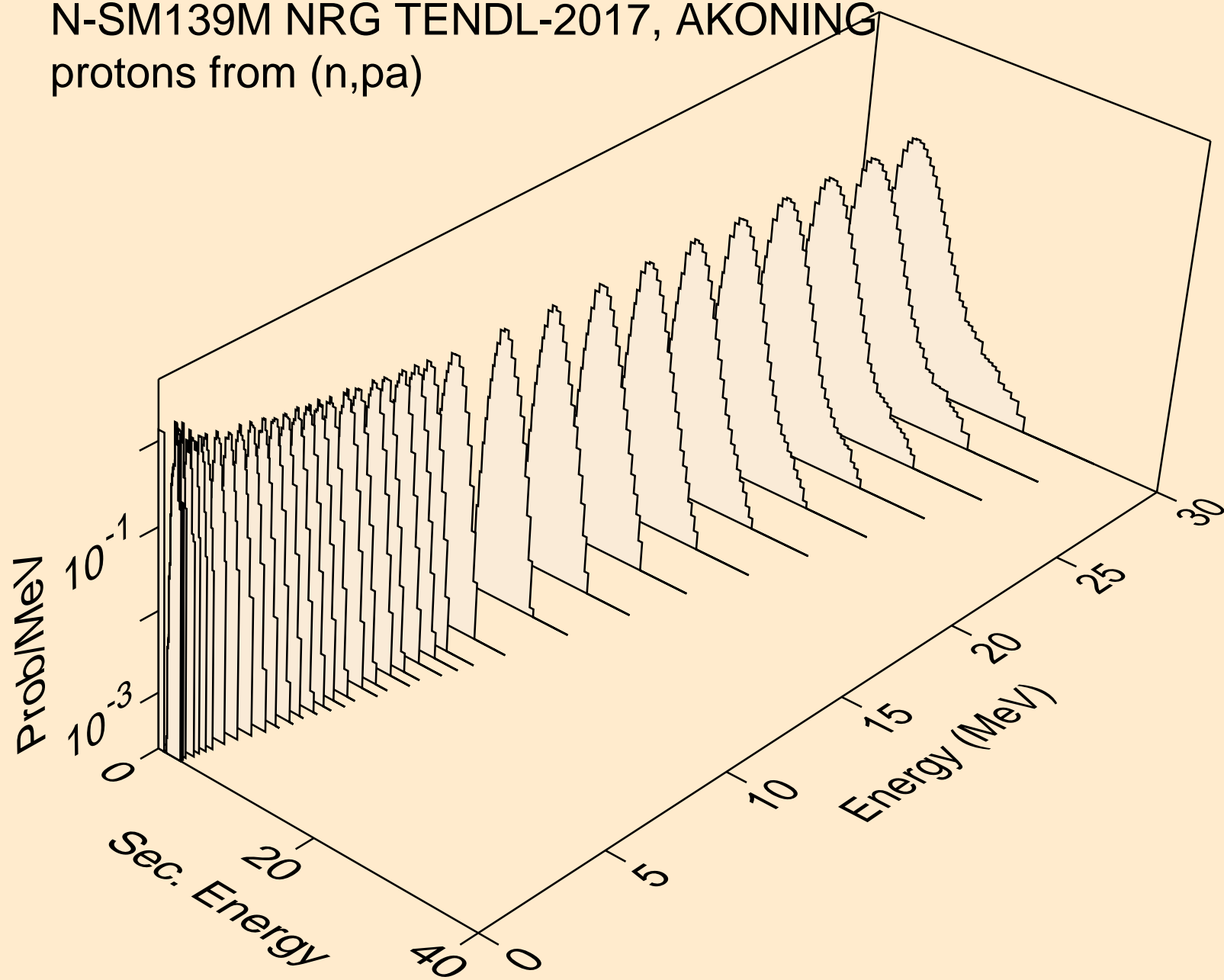
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protons from (n,p)



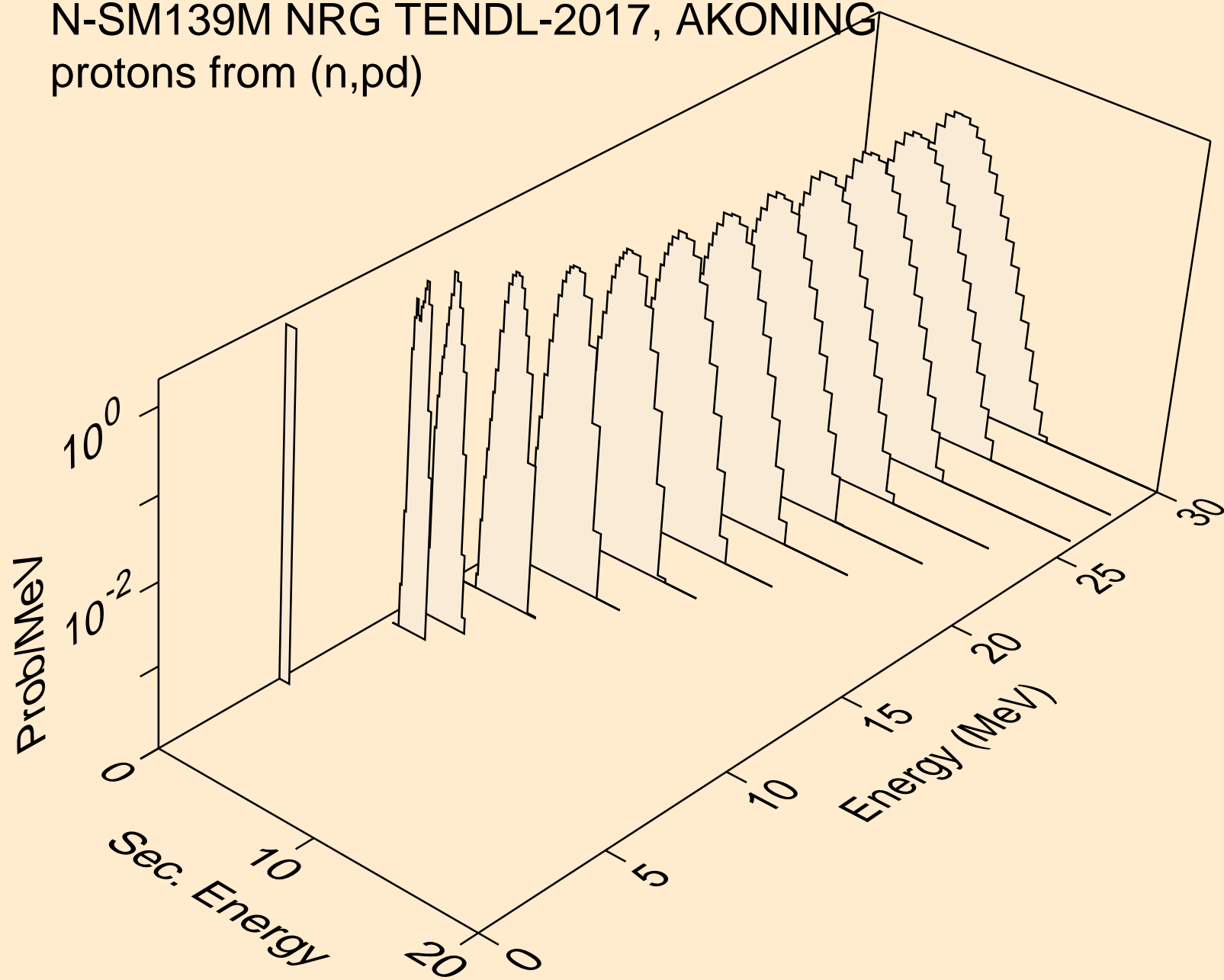
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protons from (n,2p)



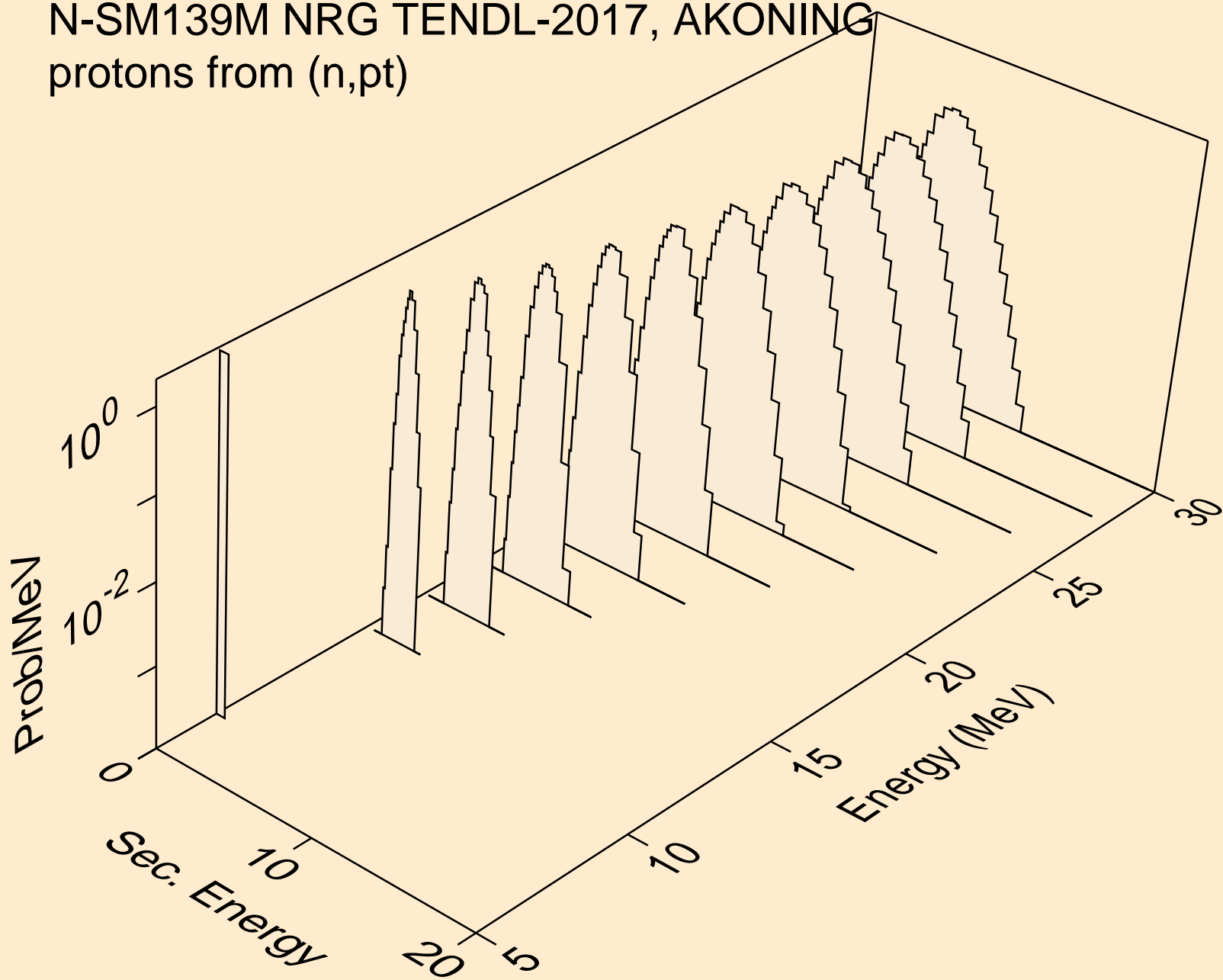
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protons from (n,pa)



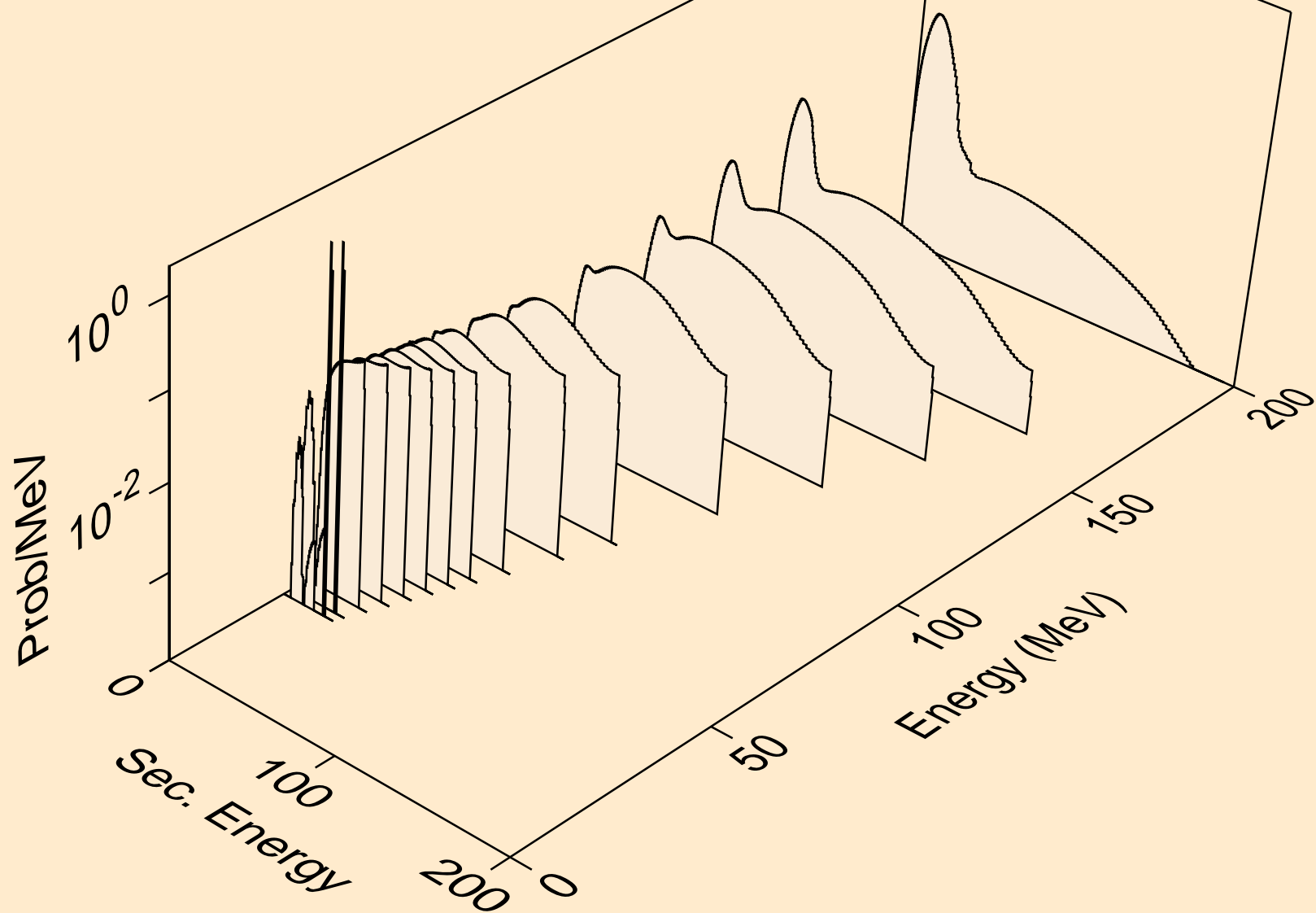
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protons from (n,pd)



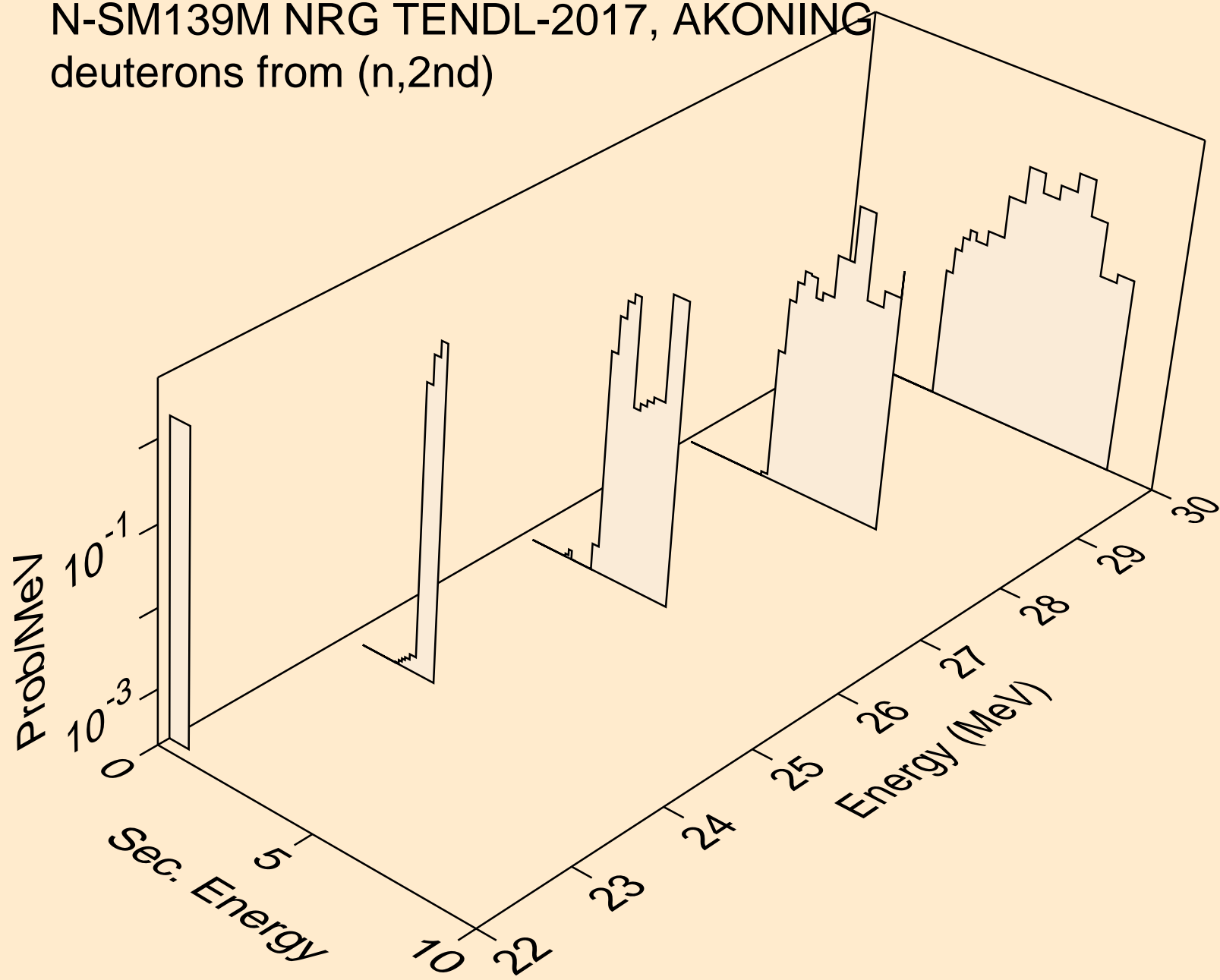
N-SM139M NRG TENDL-2017, AKONING
protons from (n,pt)



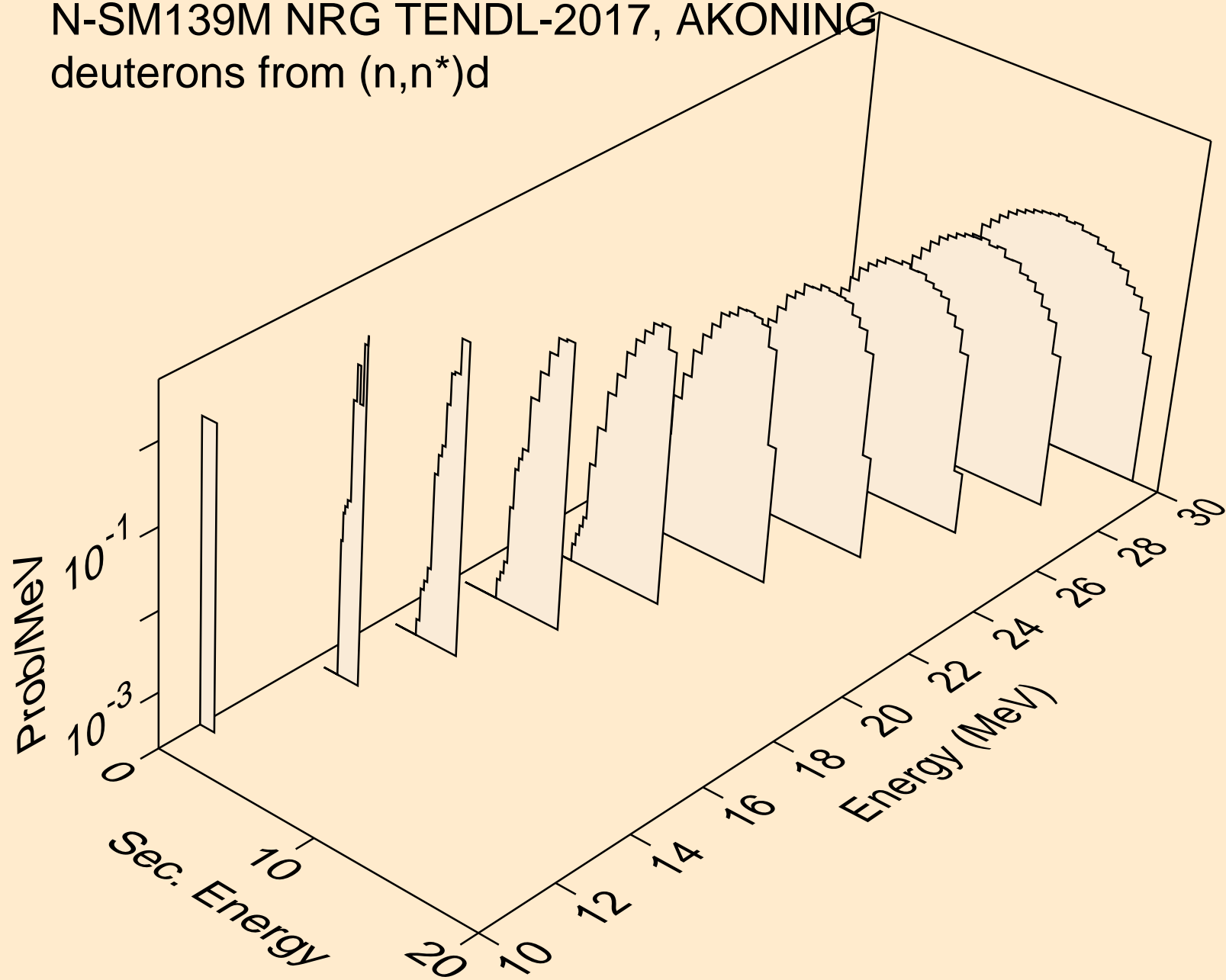
N-SM139M NRG TENDL-2017, AKONING
deuterons from (n,x)



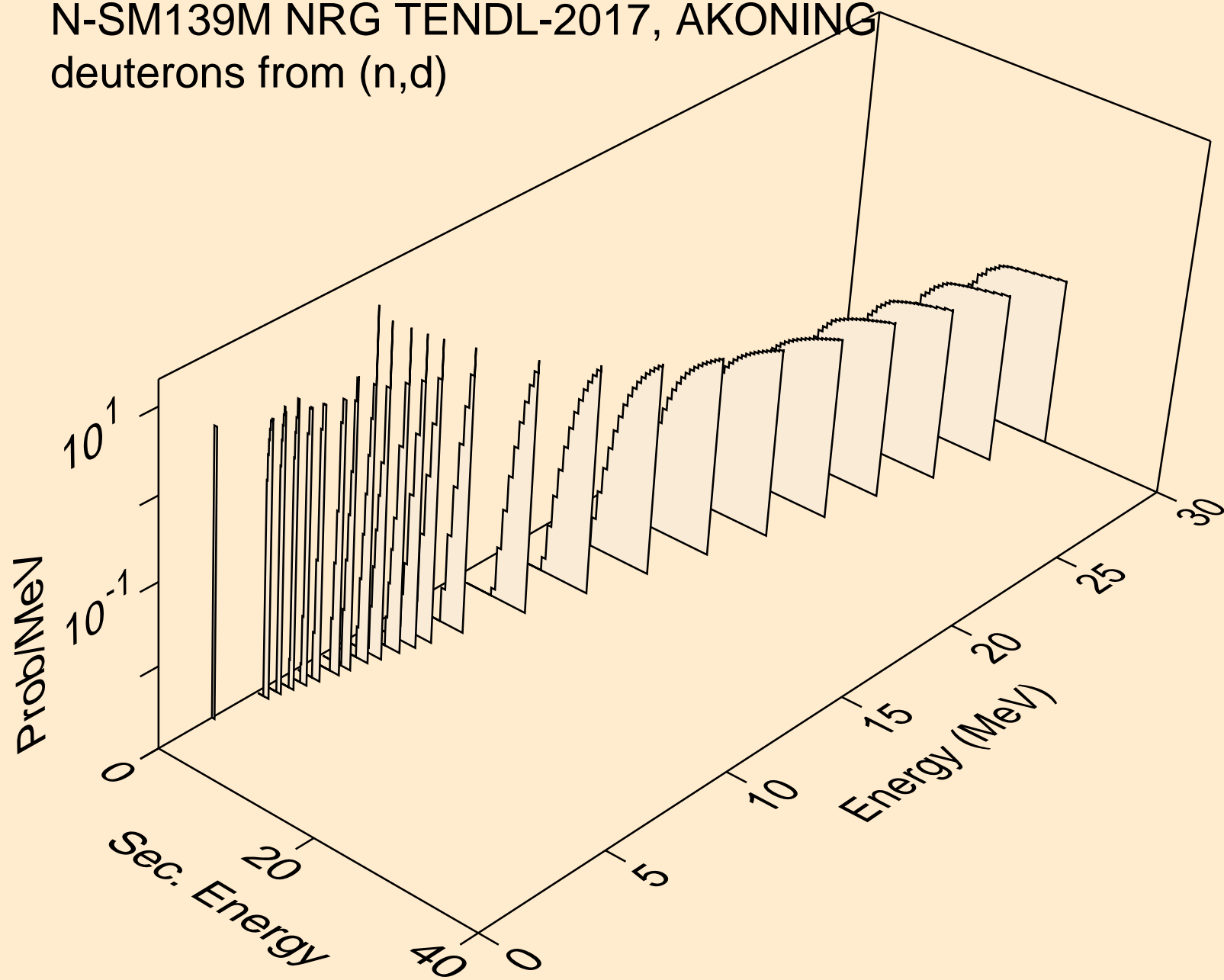
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deuterons from (n,2nd)



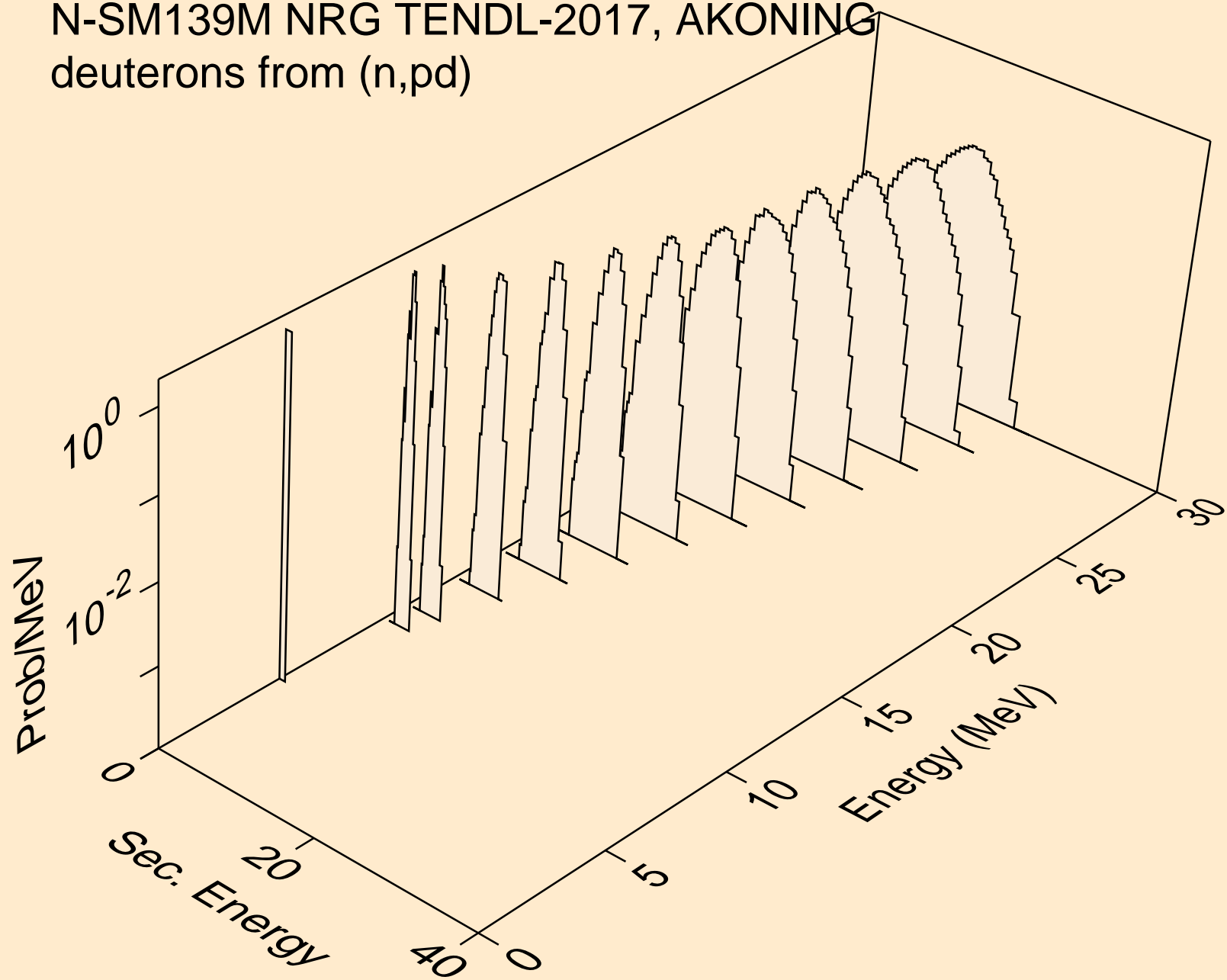
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deuterons from (n,n*)d



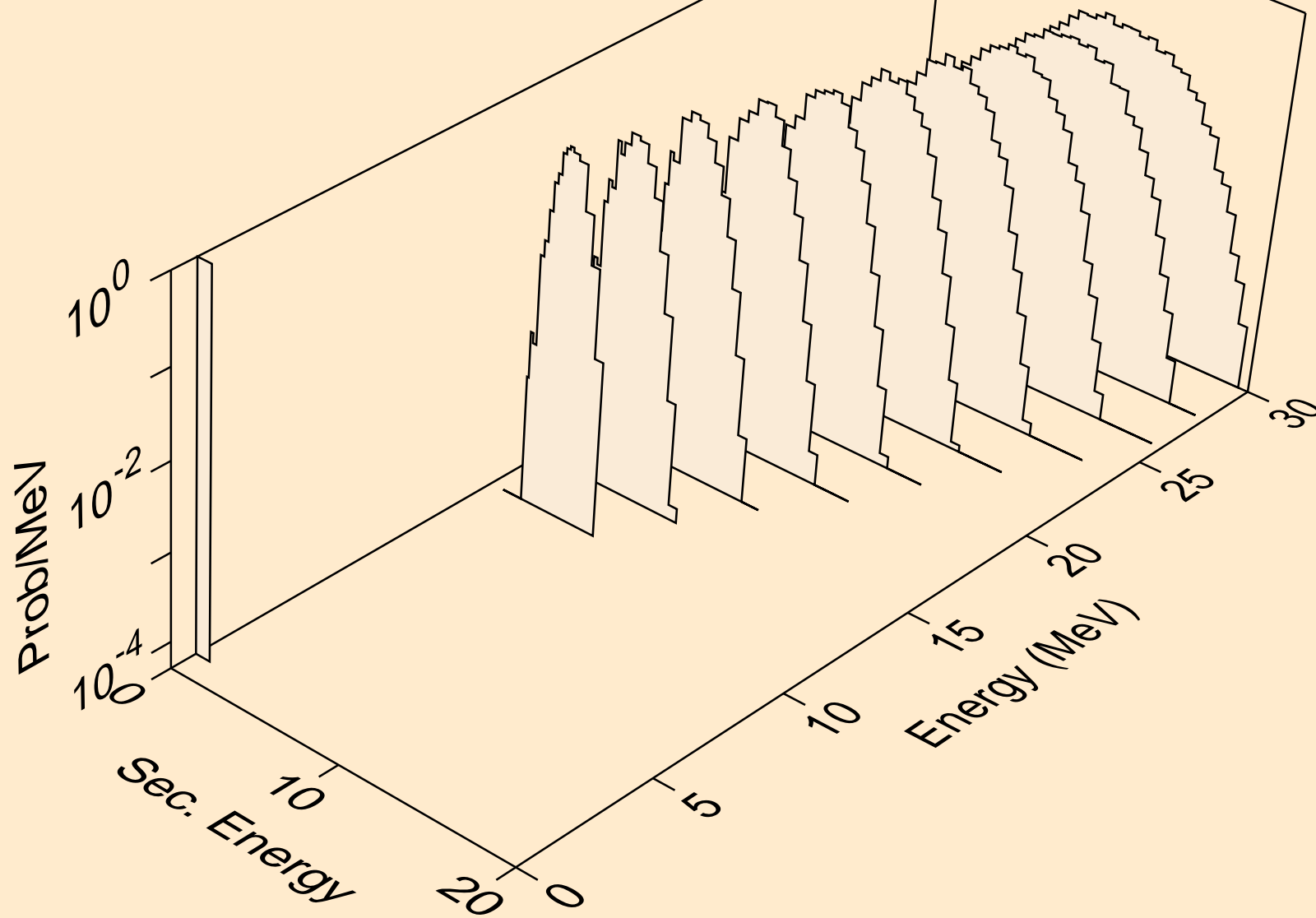
N-SM139M NRG TENDL-2017, AKONING
deuterons from (n,d)



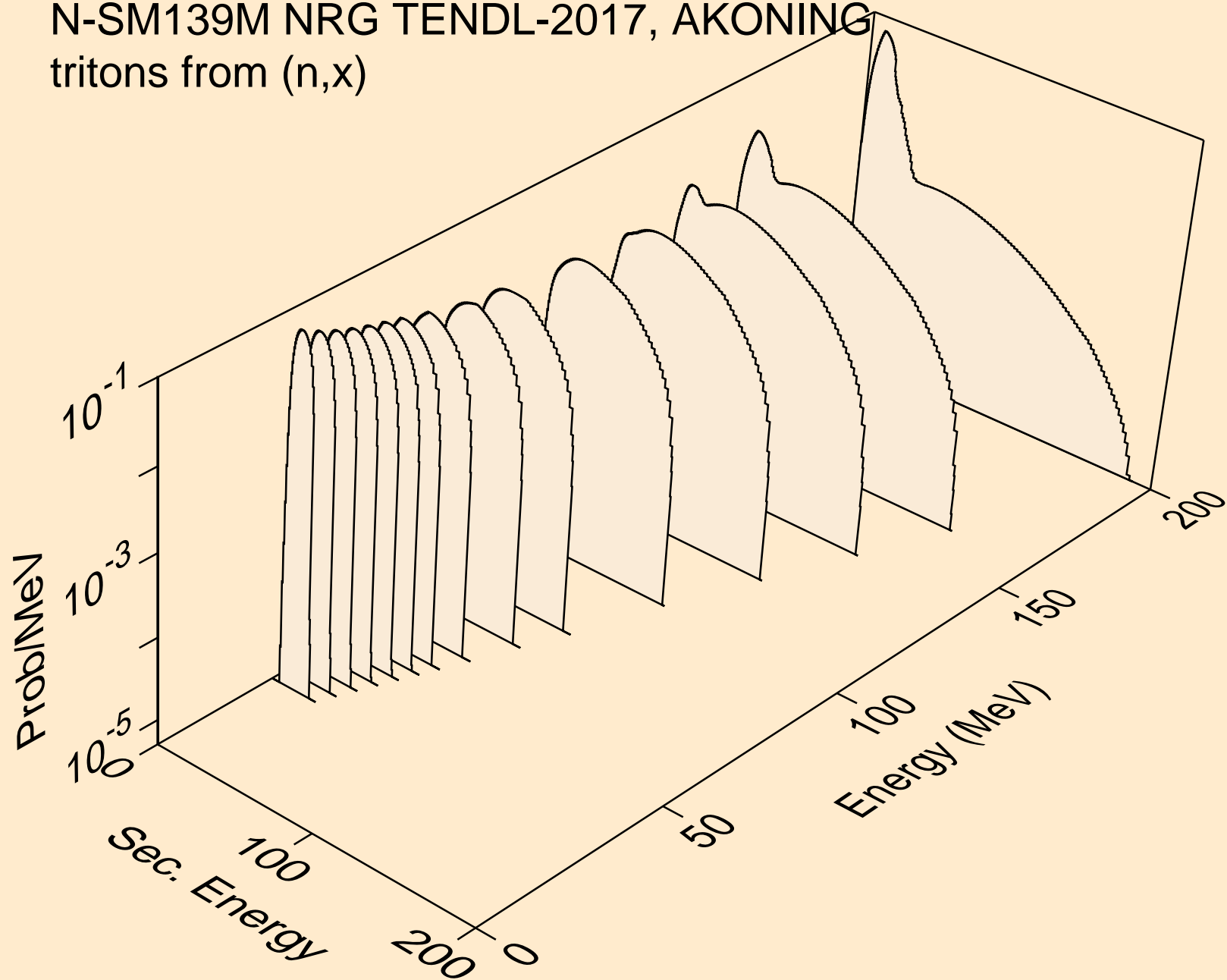
N-SM139M NRG TENDL-2017, AKONING
deuterons from (n,pd)



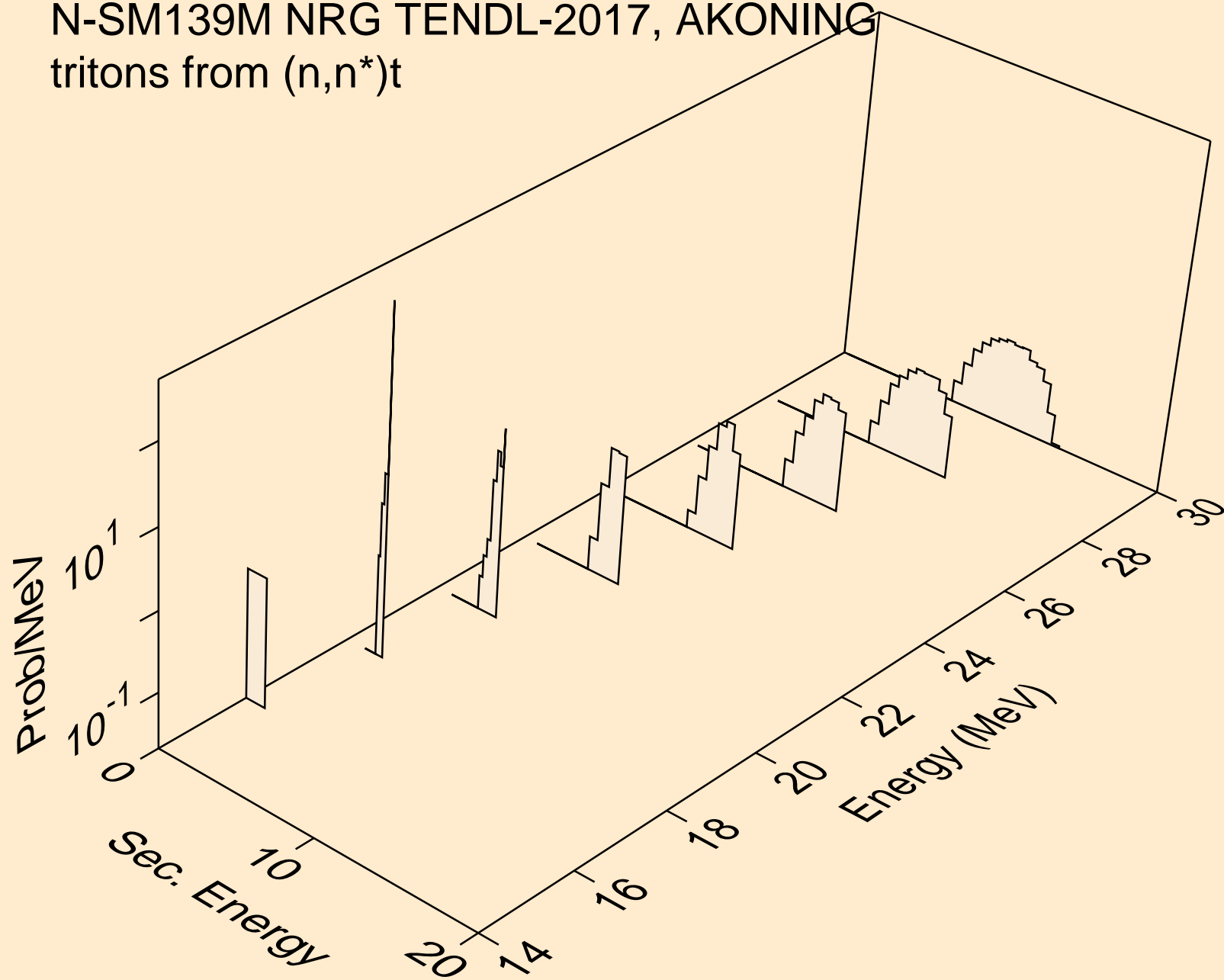
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deuterons from (n,da)



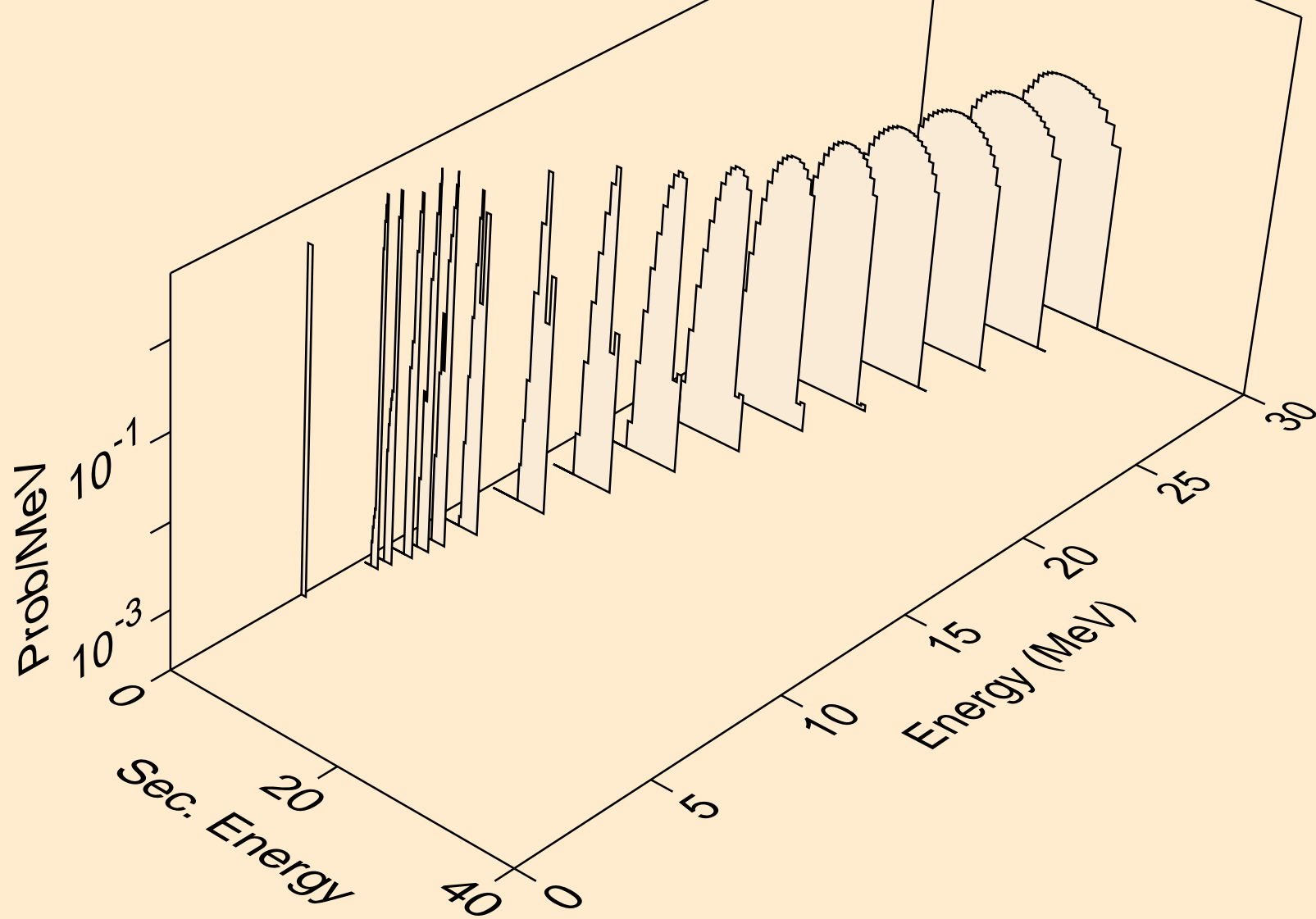
N-SM139M NRG TENDL-2017, AKONING
tritons from (n,x)



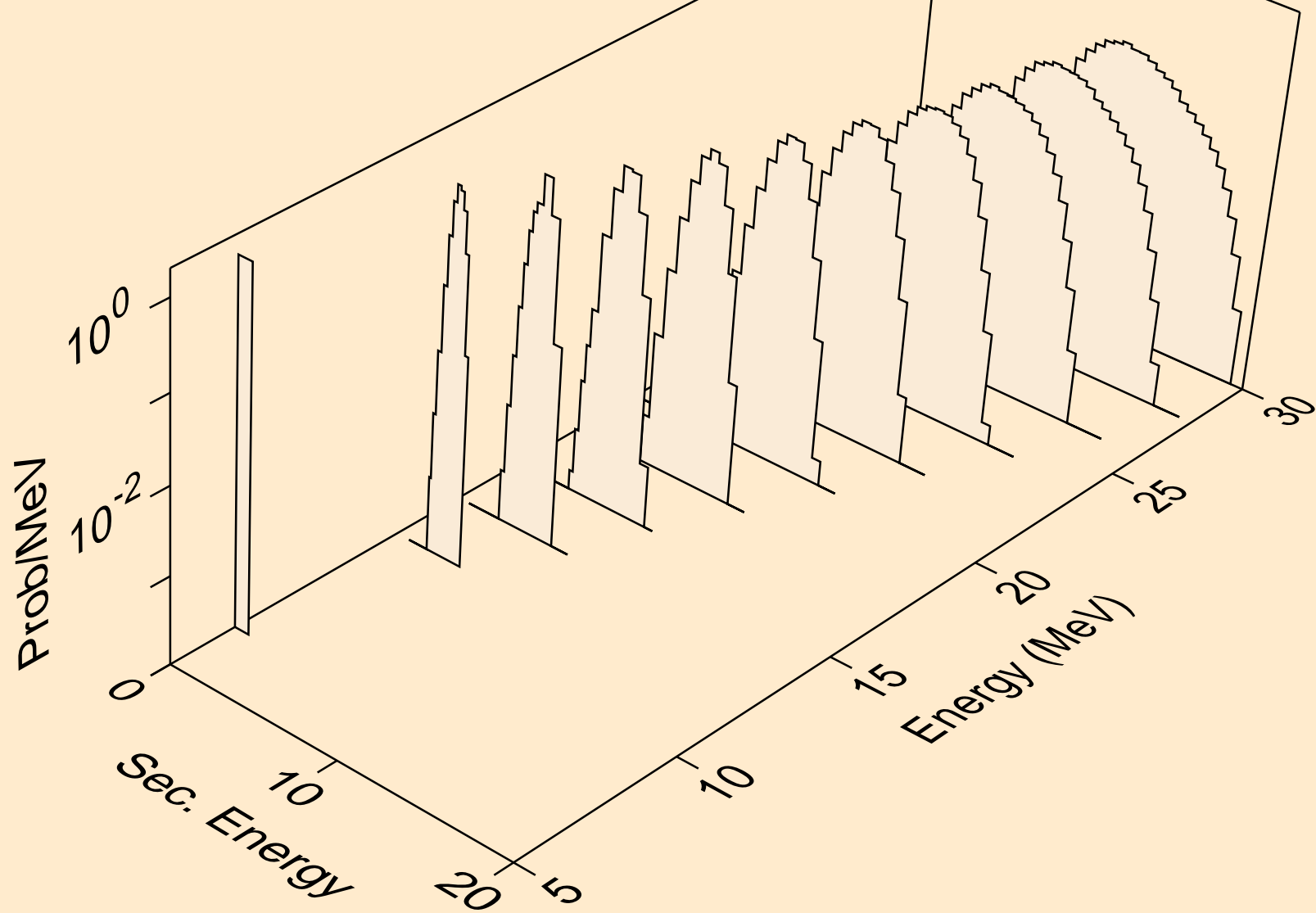
N-SM139M NRG TENDL-2017, AKONING
tritons from (n,n*)t



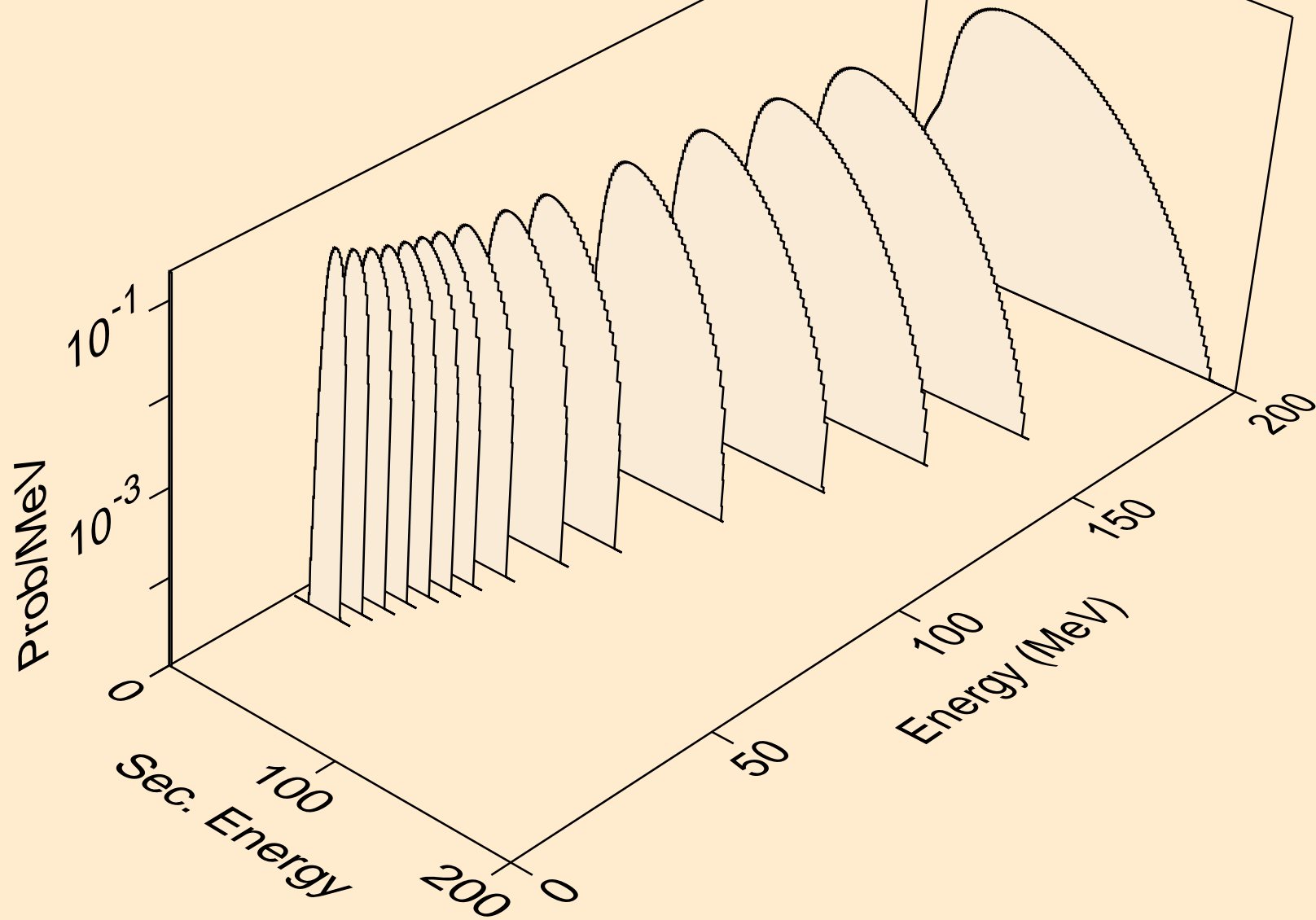
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tritons from (n,t)



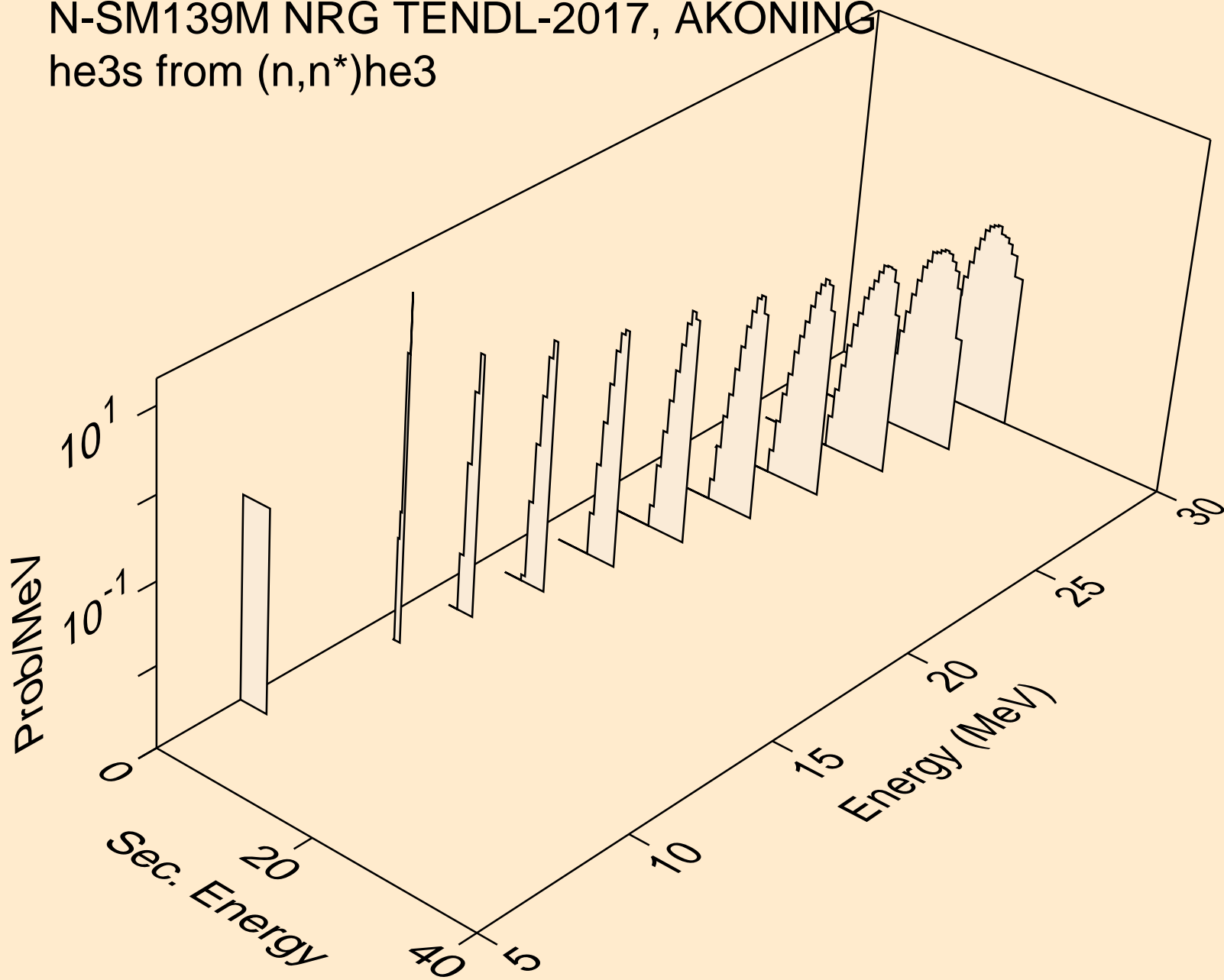
N-SM139M NRG TENDL-2017, AKONING
tritons from (n,pt)



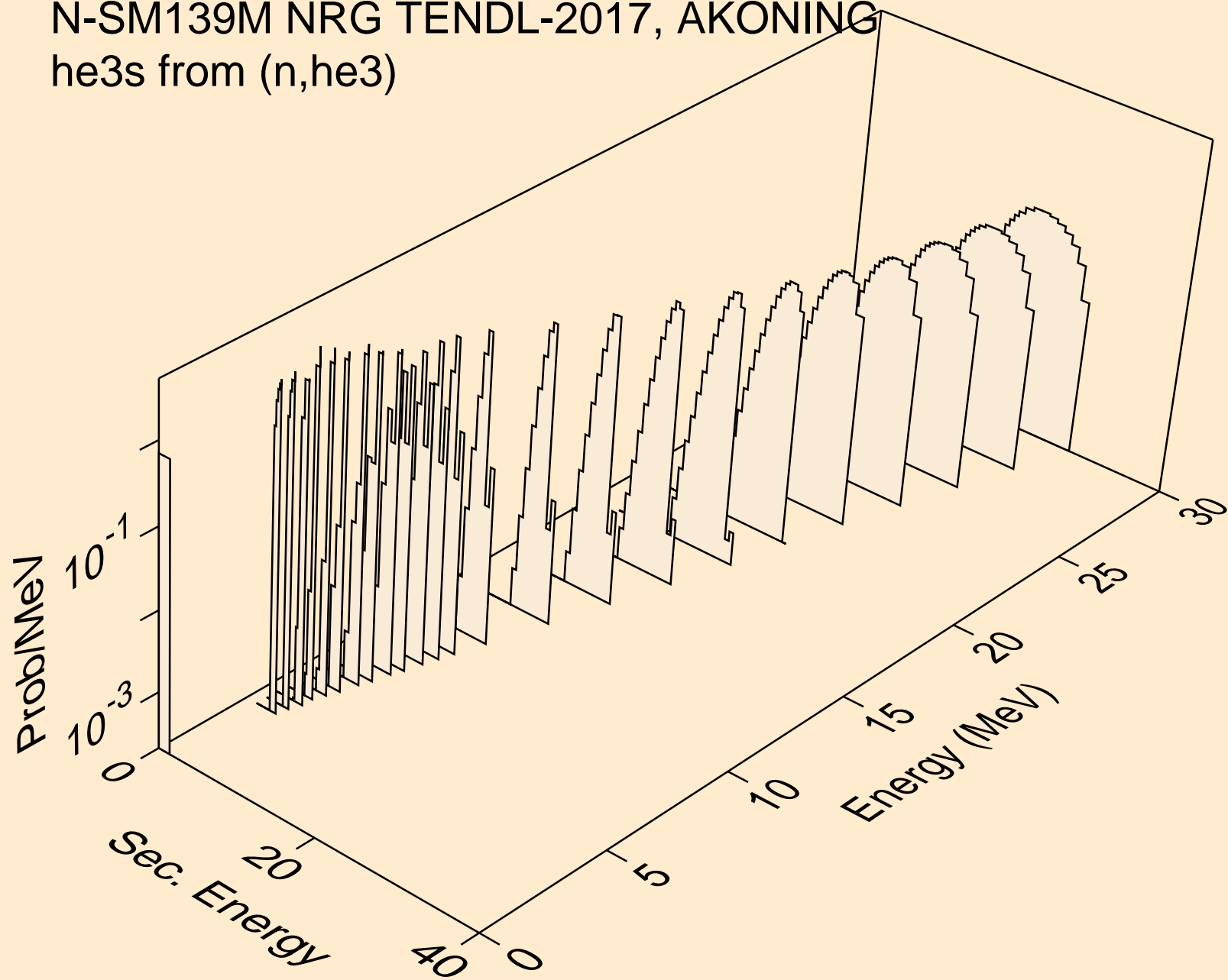
N-SM139M NRG TENDL-2017, AKONING
he3s from (n,x)



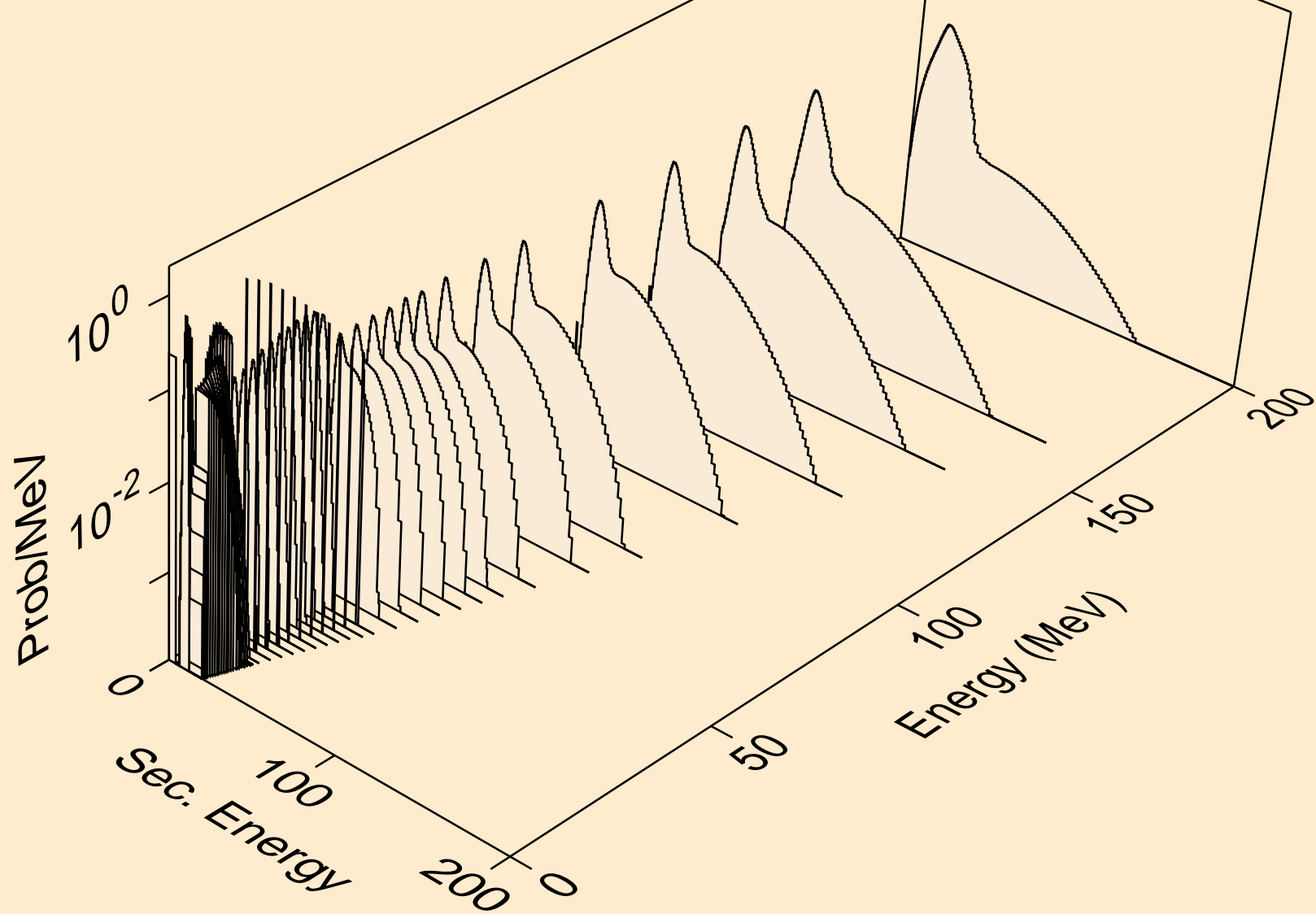
N-SM139M NRG TENDL-2017, AKONING
he3s from (n,n*)he3



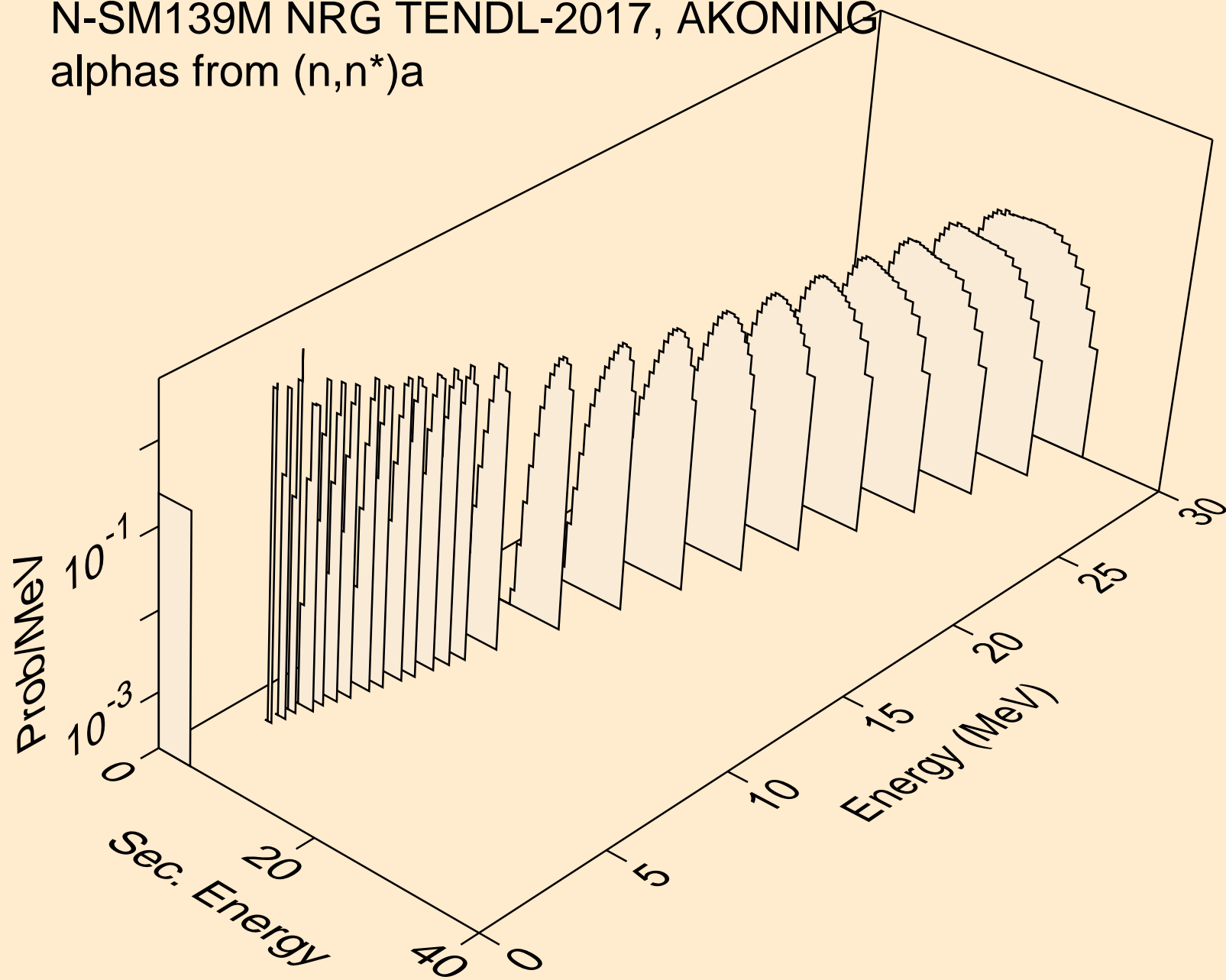
N-SM139M NRG TENDL-2017, AKONING
he3s from (n,he3)



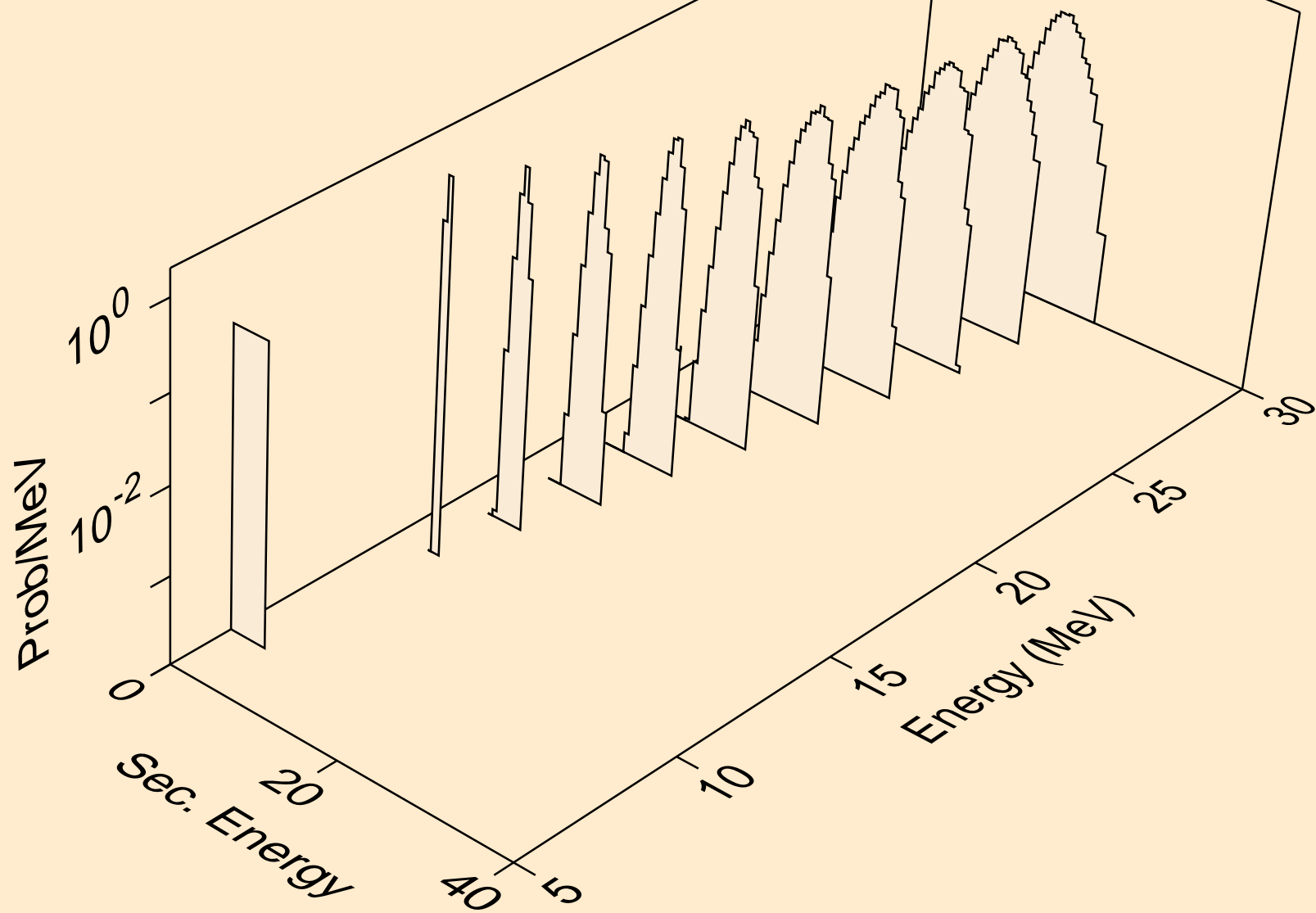
N-SM139M NRG TENDL-2017, AKONING
alphas from (n,x)



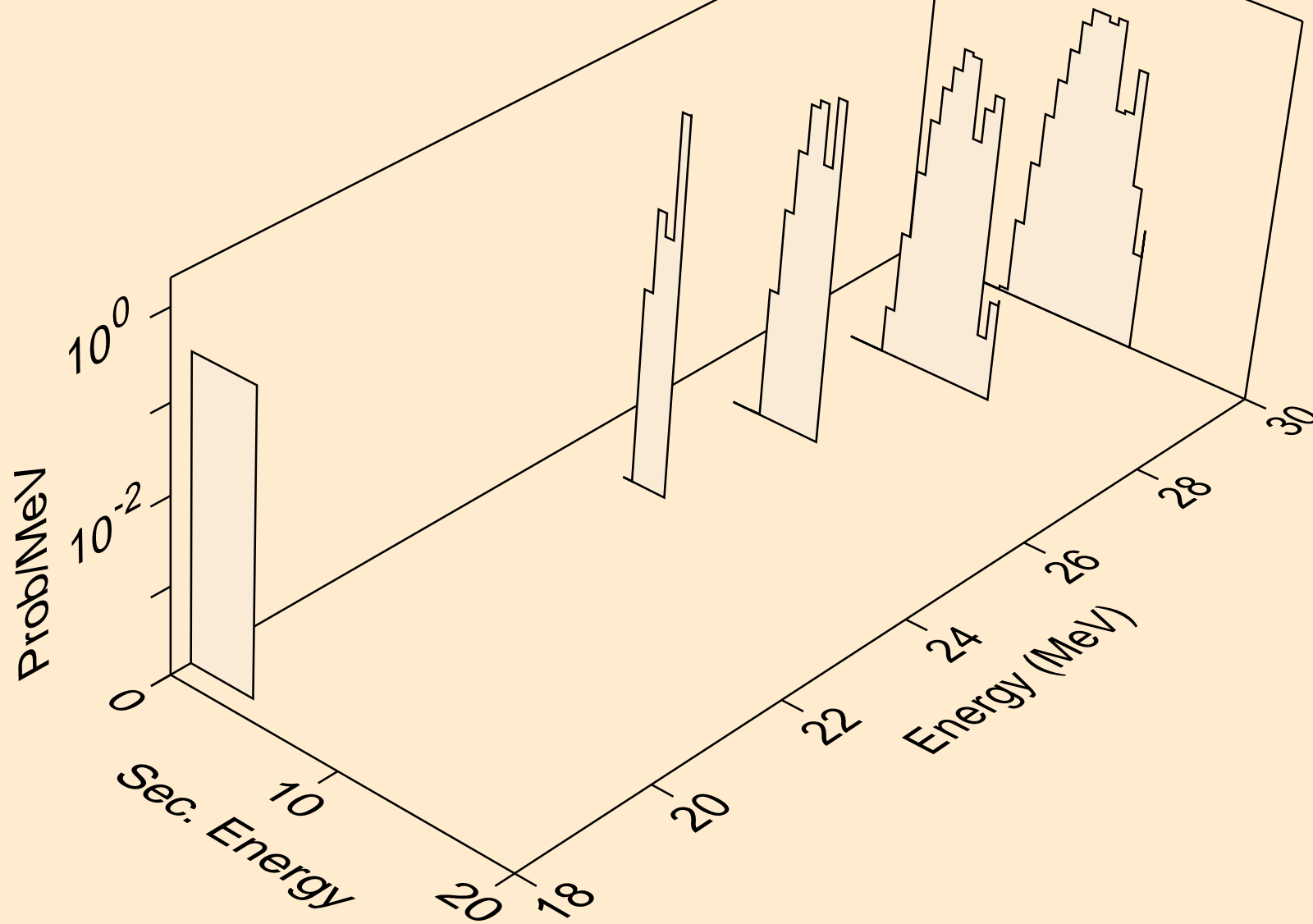
N-SM139M NRG TENDL-2017, AKONING
alphas from (n,n*)a



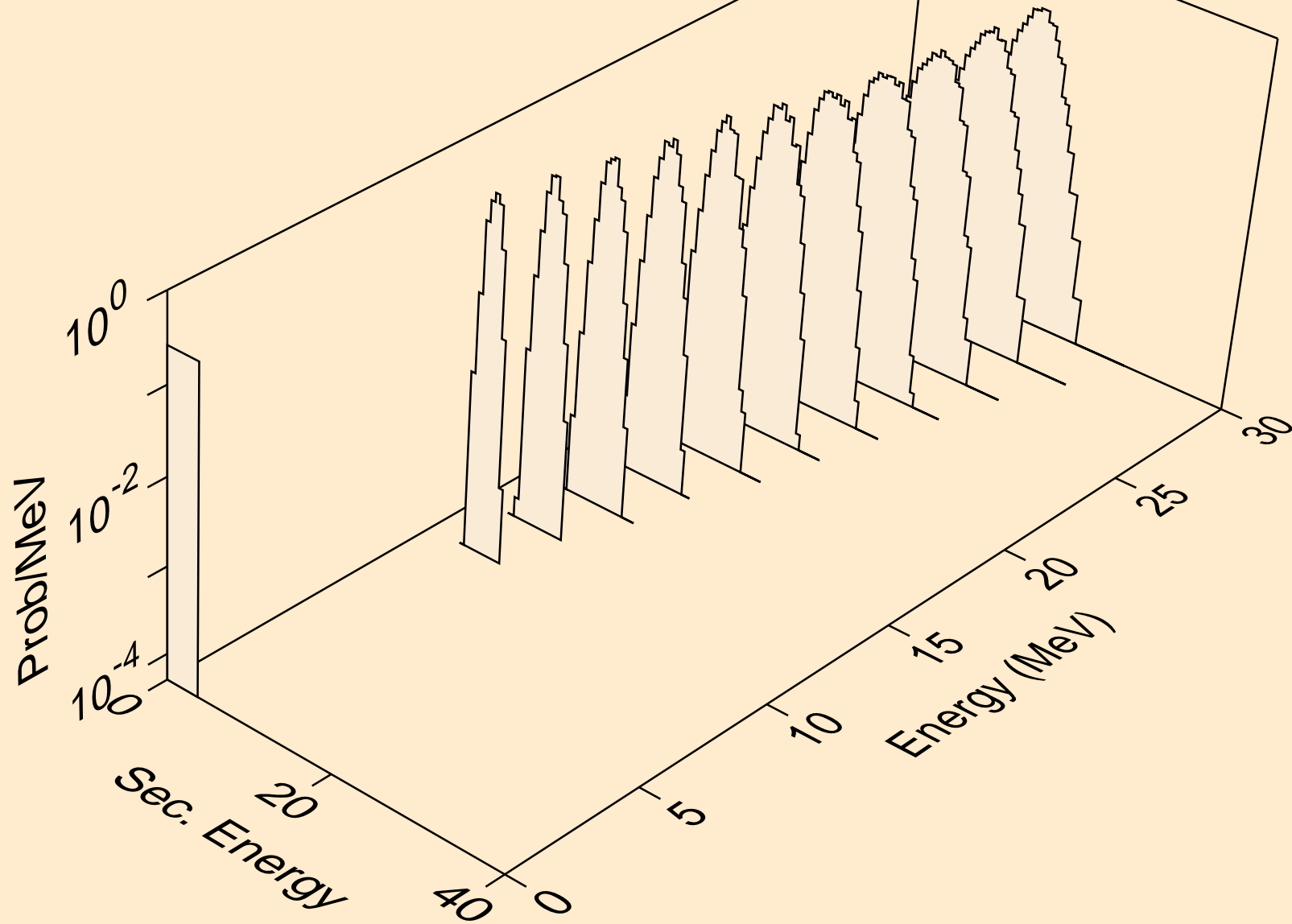
N-SM139M NRG TENDL-2017, AKONING
alphas from (n,2n)a



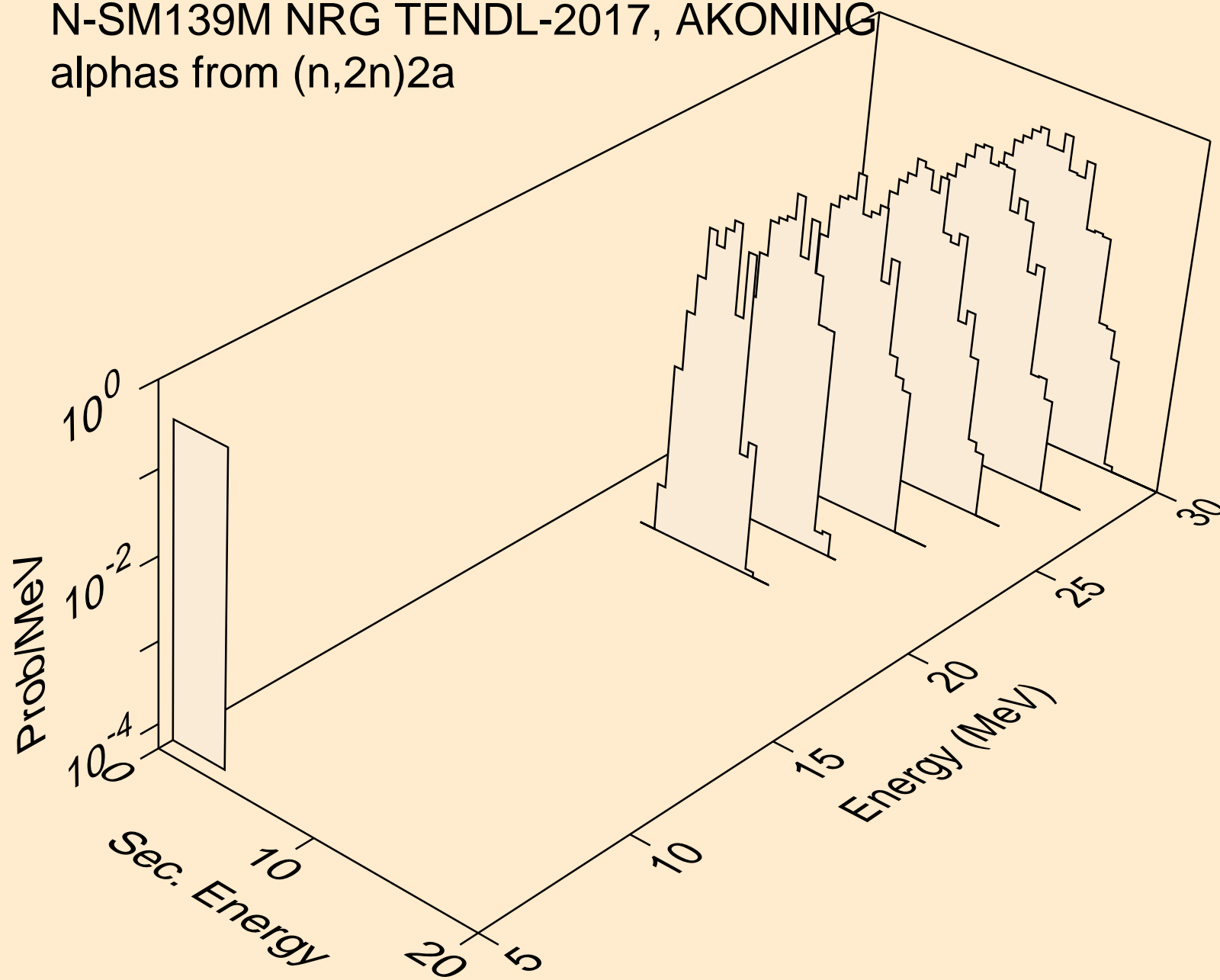
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alphas from (n,3n)a



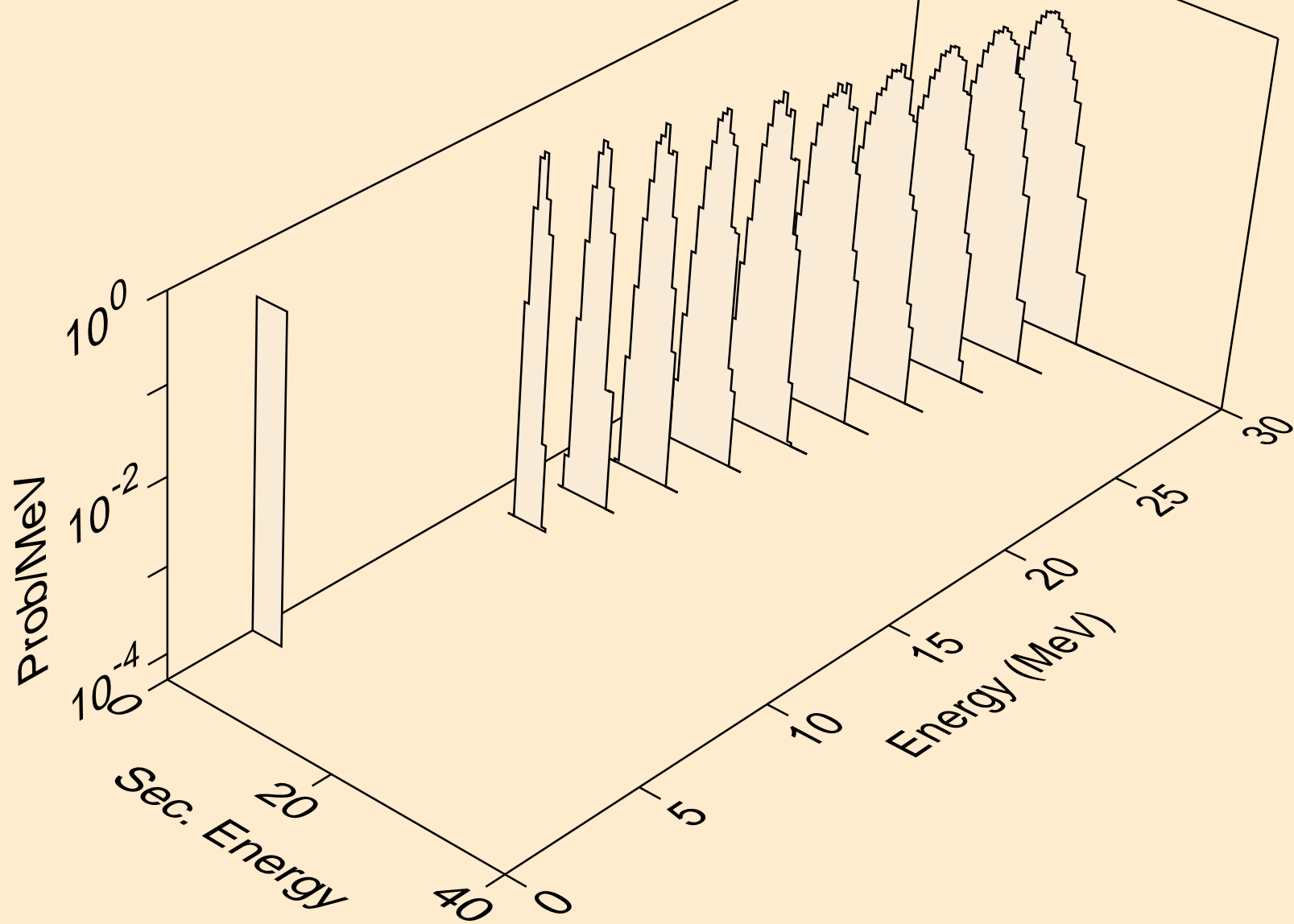
N-SM139M NRG TENDL-2017, AKONING
alphas from (n,n*)2a



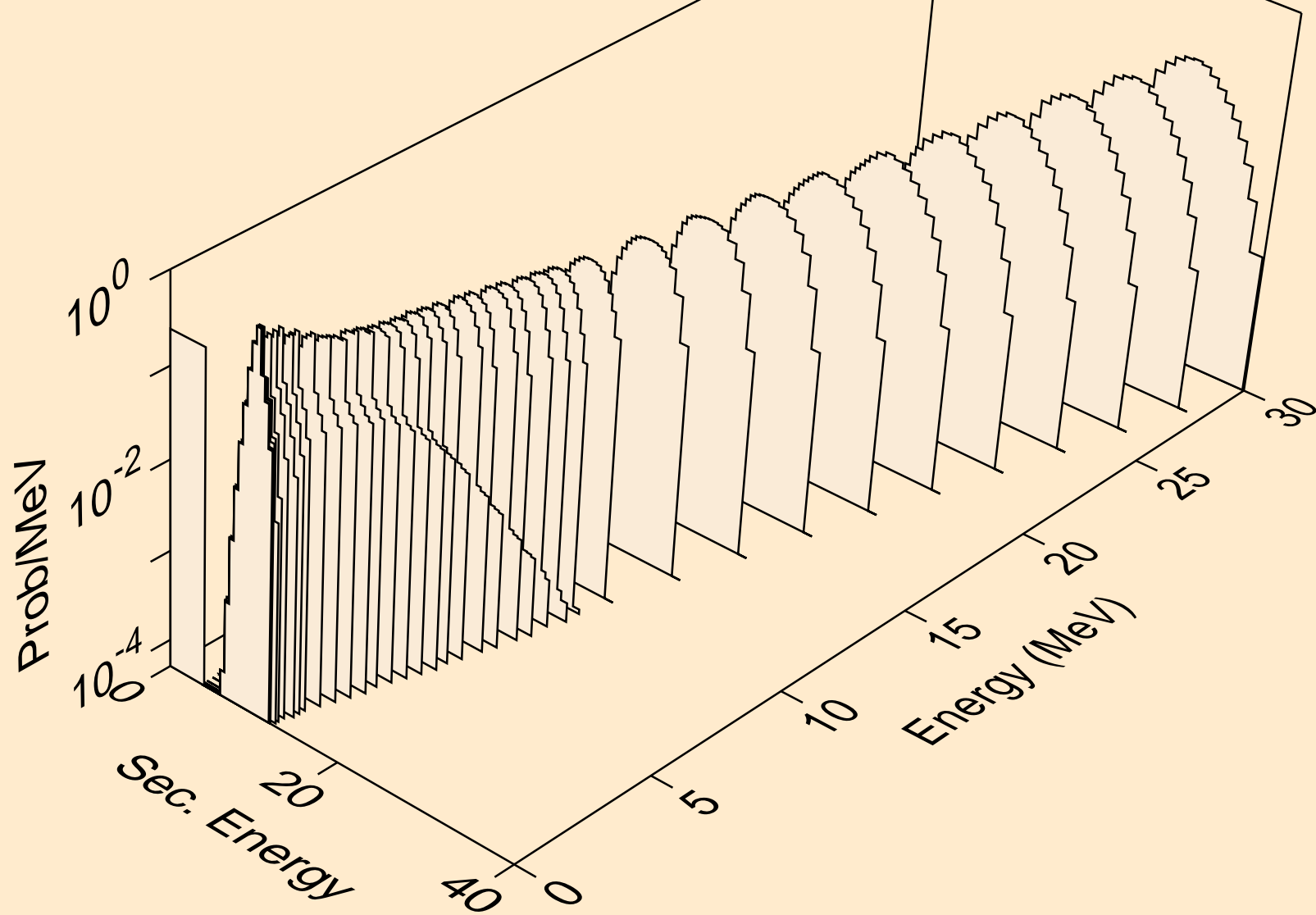
N-SM139M NRG TENDL-2017, AKONING
alphas from (n,2n)2a



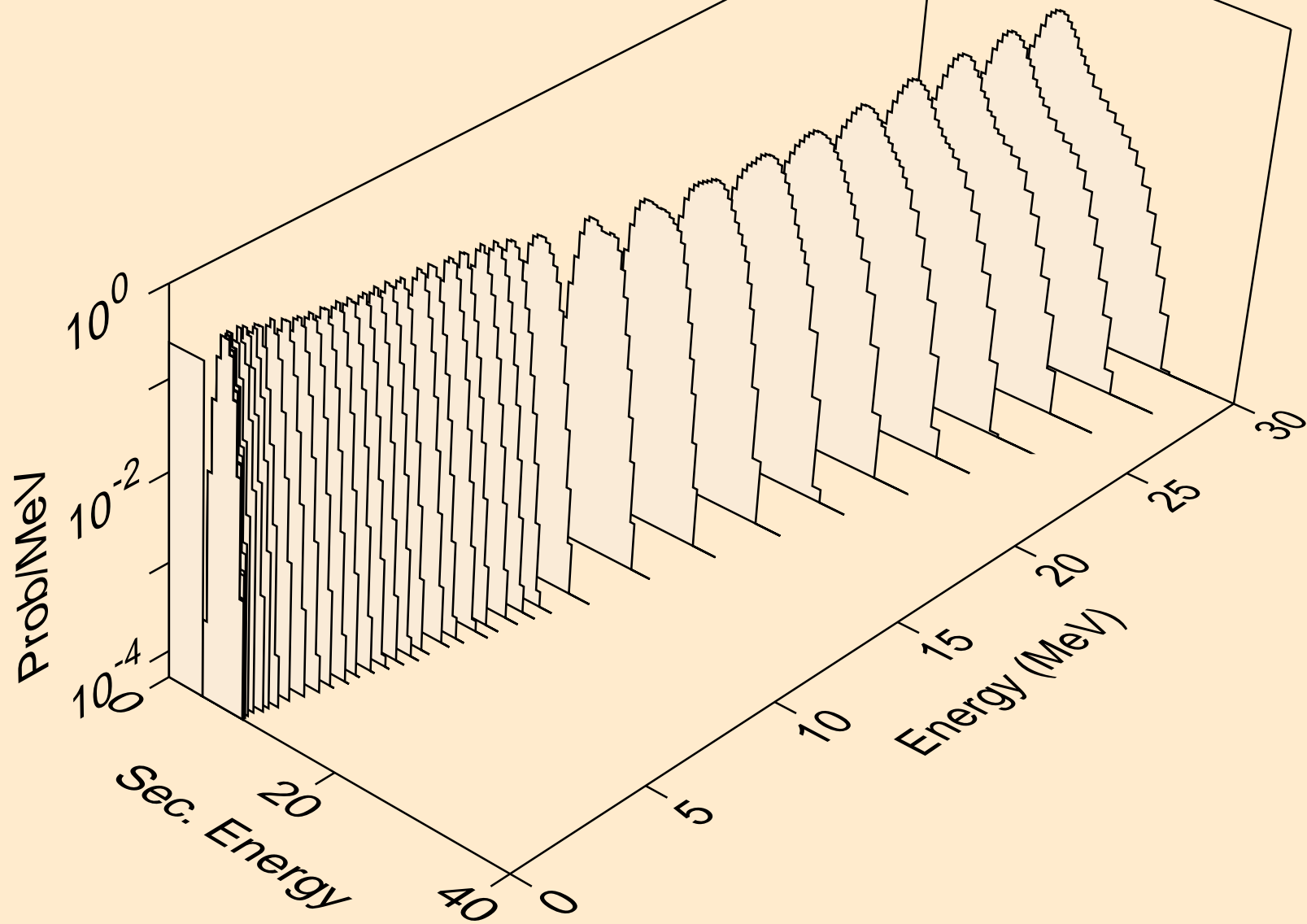
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alphas from (n,npa)



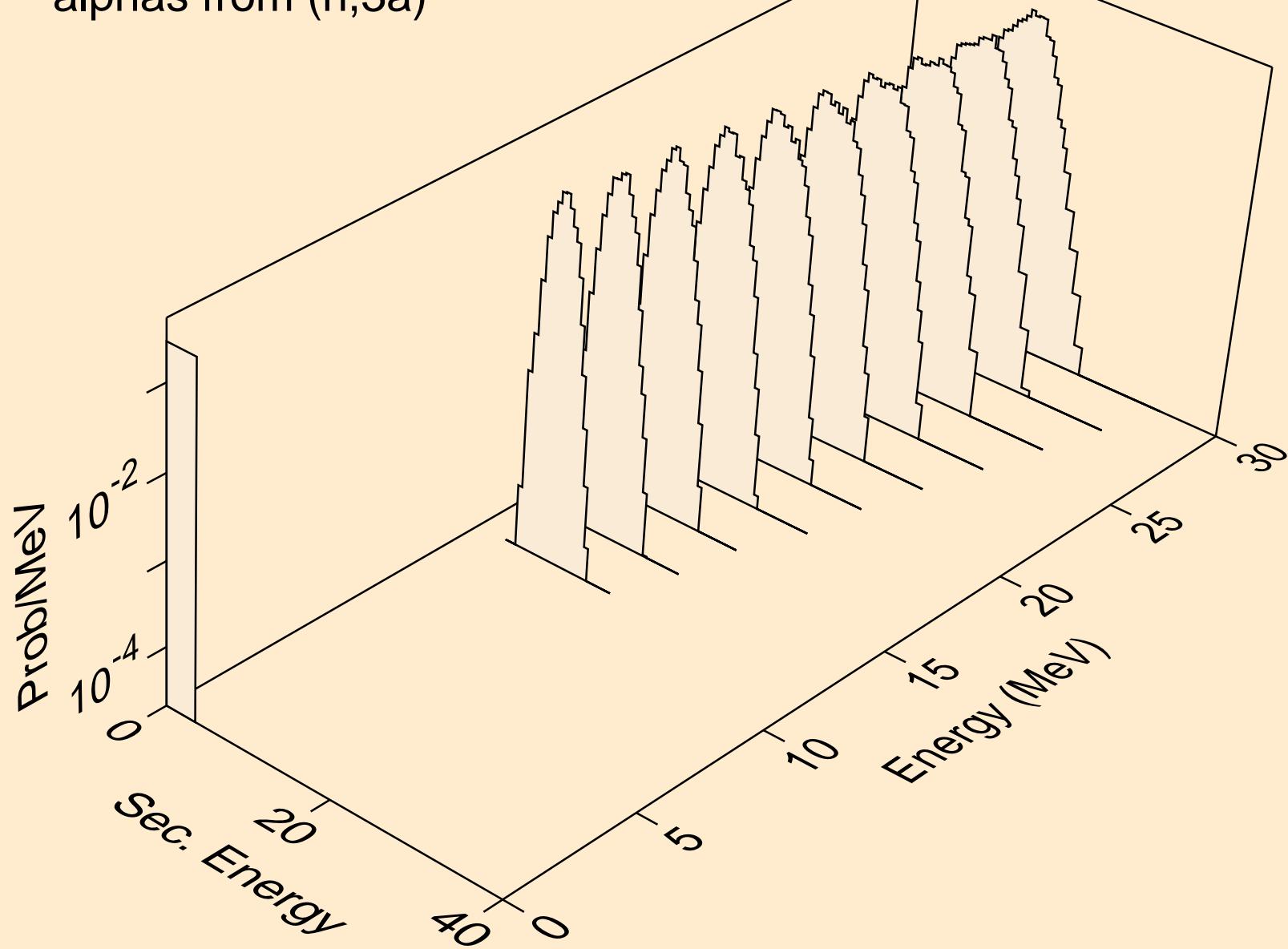
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alphas from (n,a)



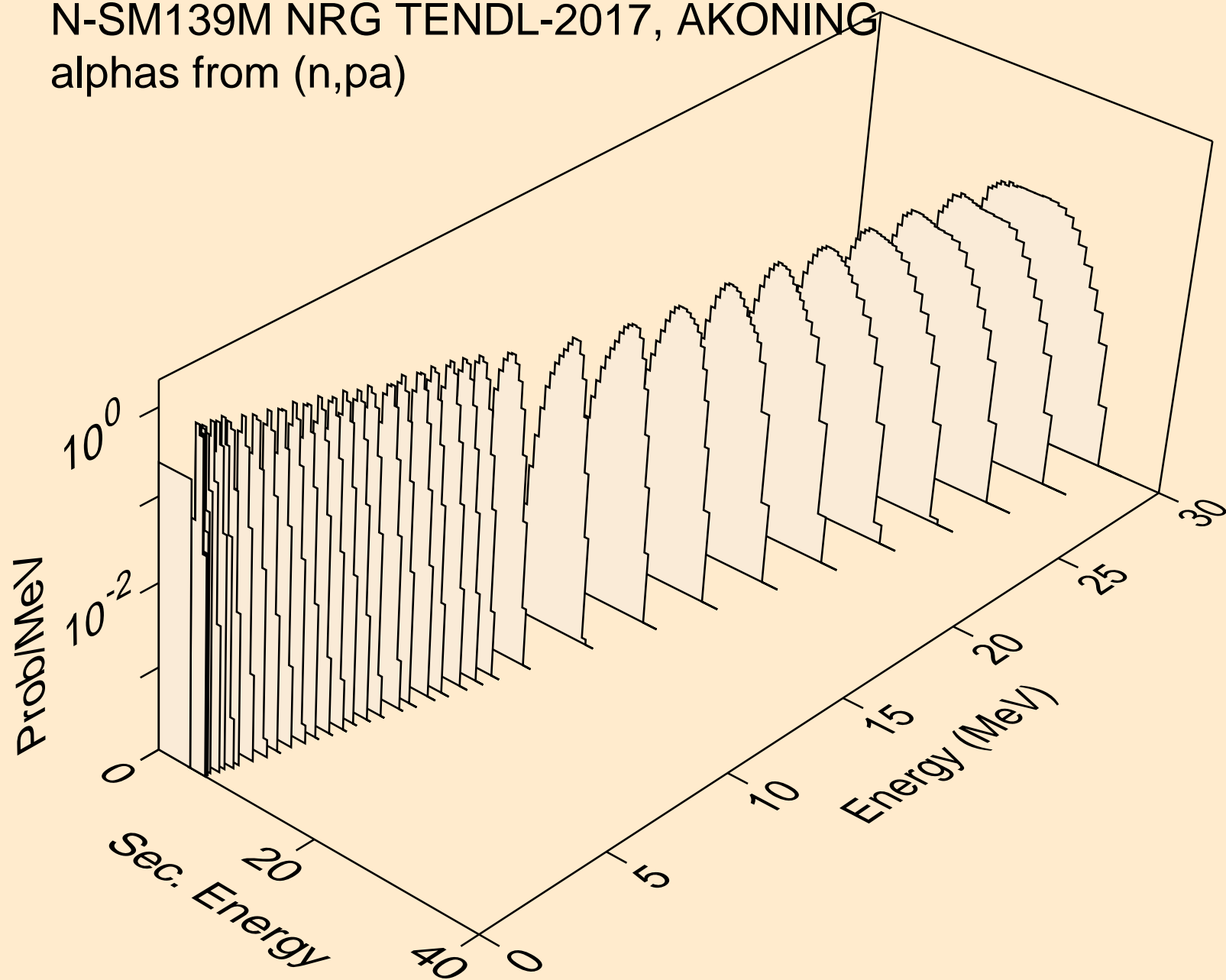
N-SM139M NRG TENDL-2017, AKONING
alphas from (n,2a)



N-SM139M NRG TENDL-2017, AKONING
alphas from (n,3a)



N-SM139M NRG TENDL-2017, AKONING
alphas from (n,pa)



N-SM139M NRG TENDL-2017, AKONING
alphas from (n,da)

