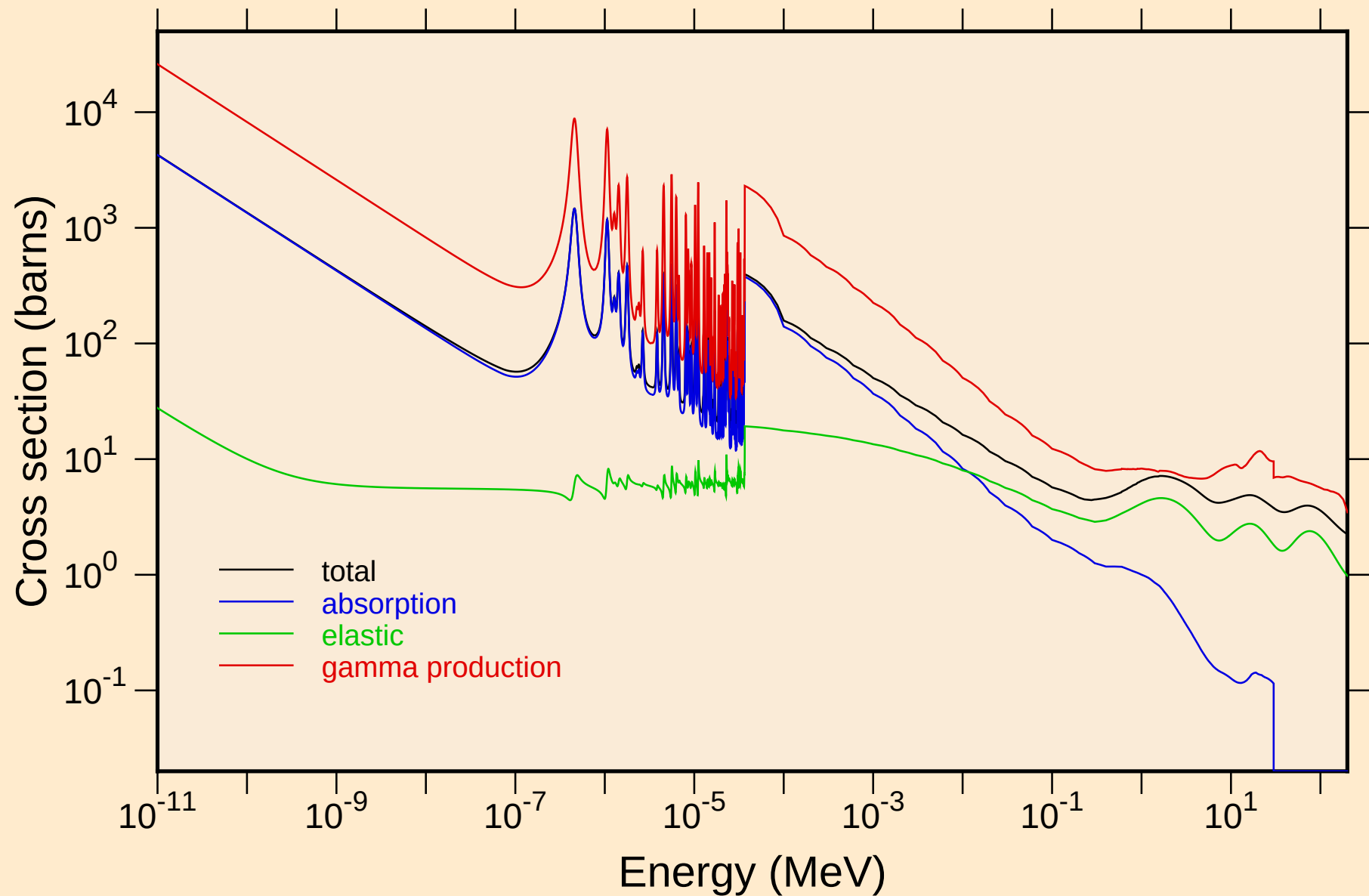
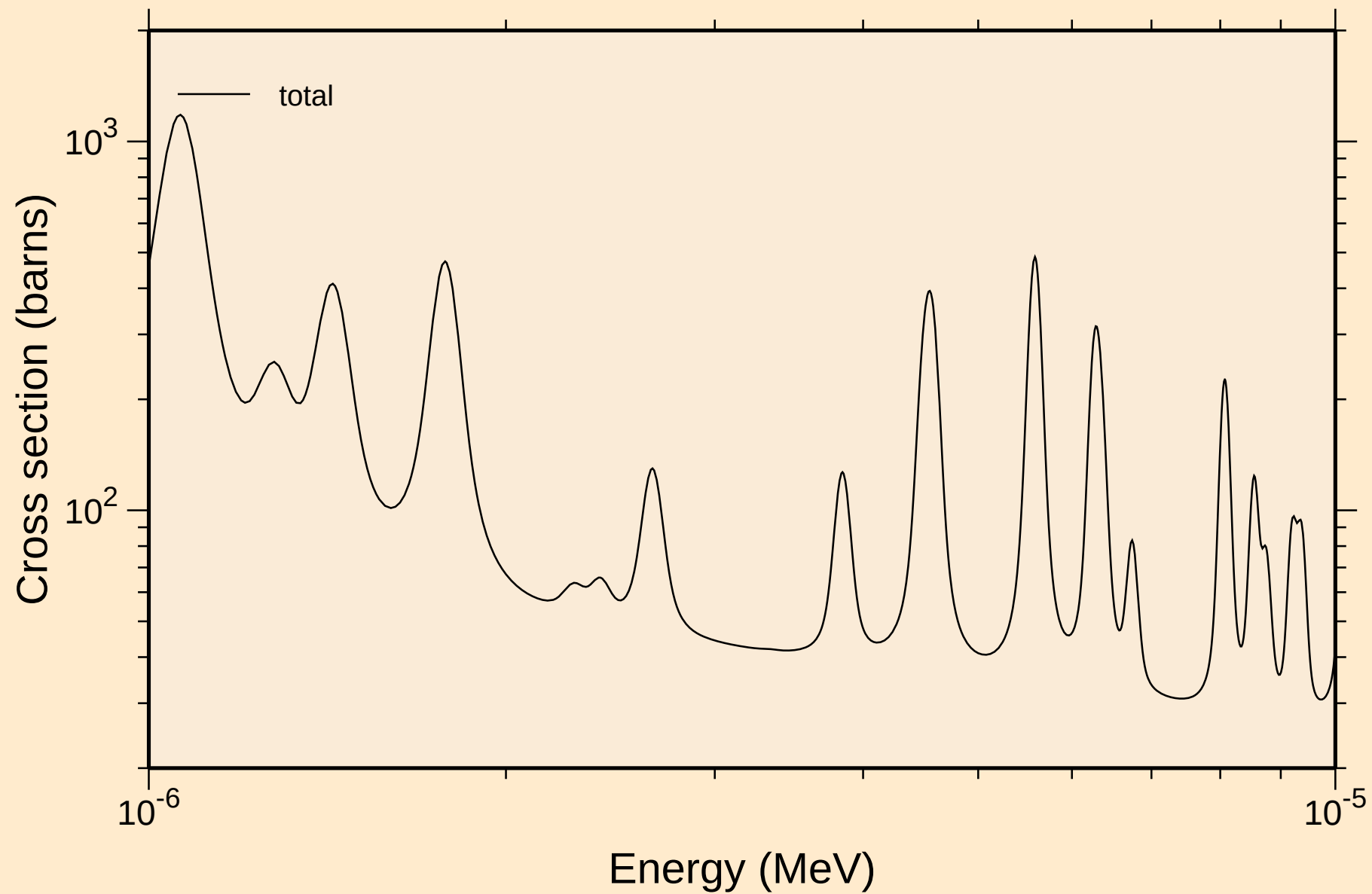


N-PM139 NRG TENDL-2017, AKONING

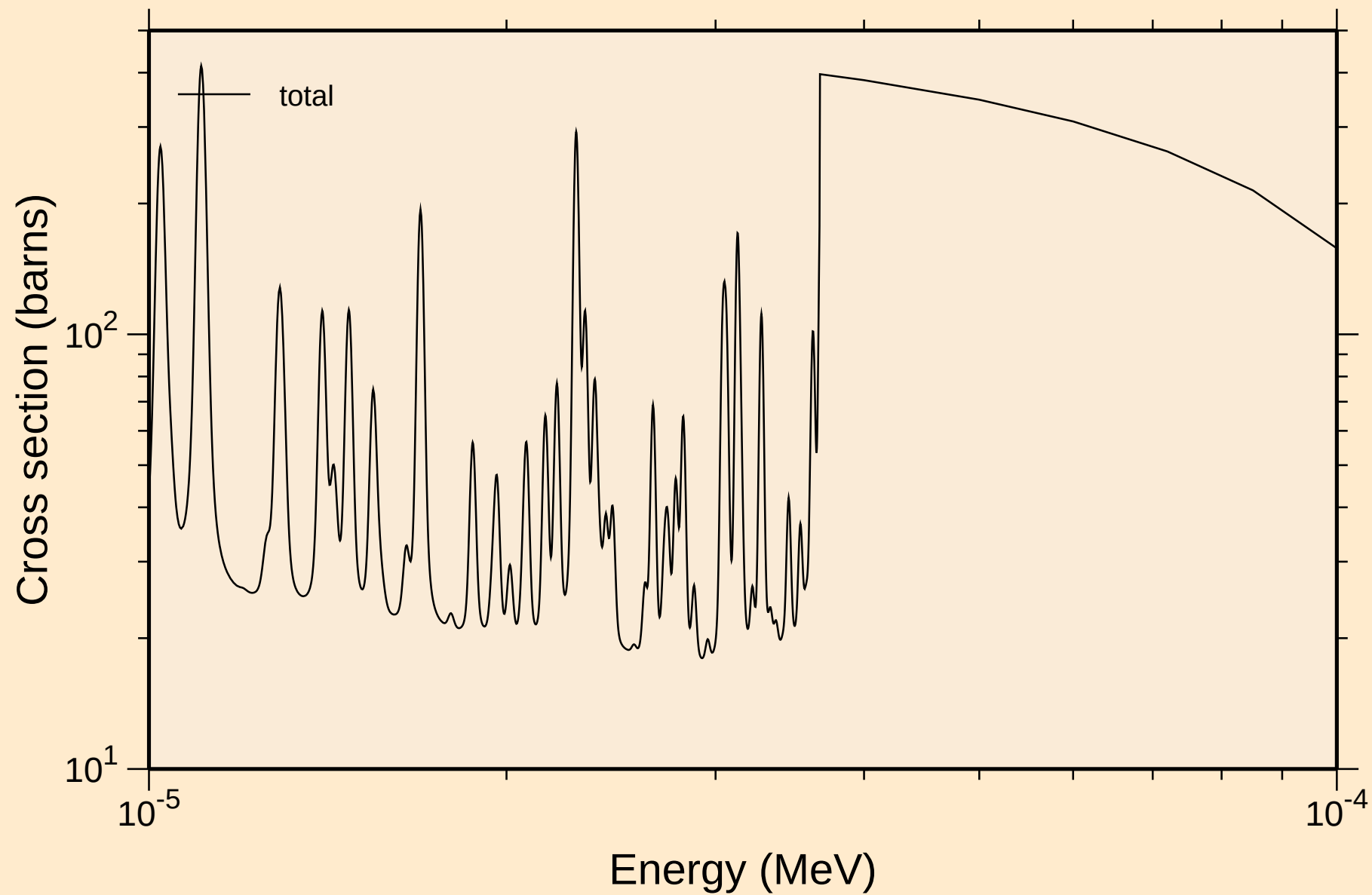
Principal cross sections



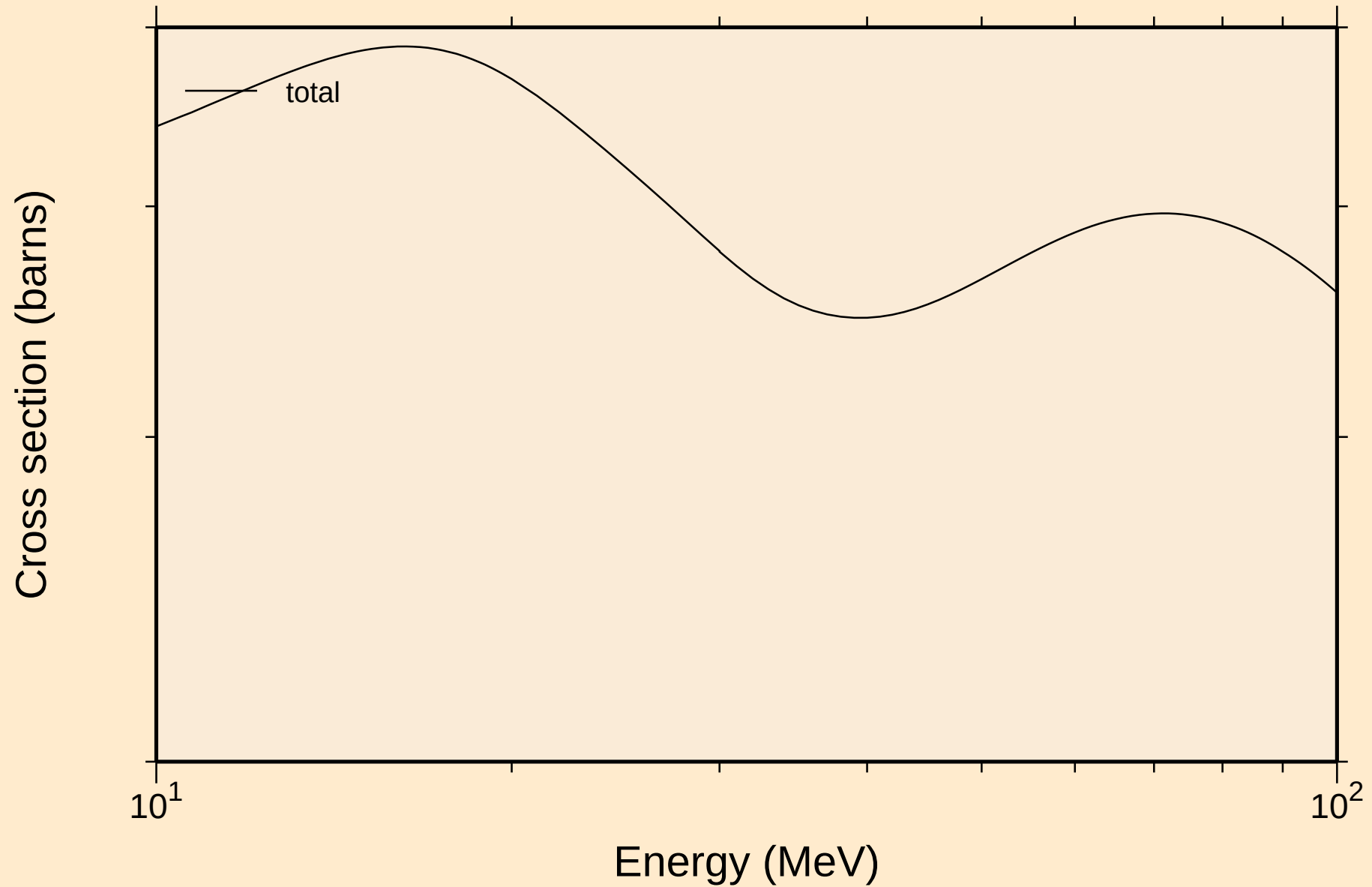
N-PM139 NRG TENDL-2017, AKONING
resonance total cross section



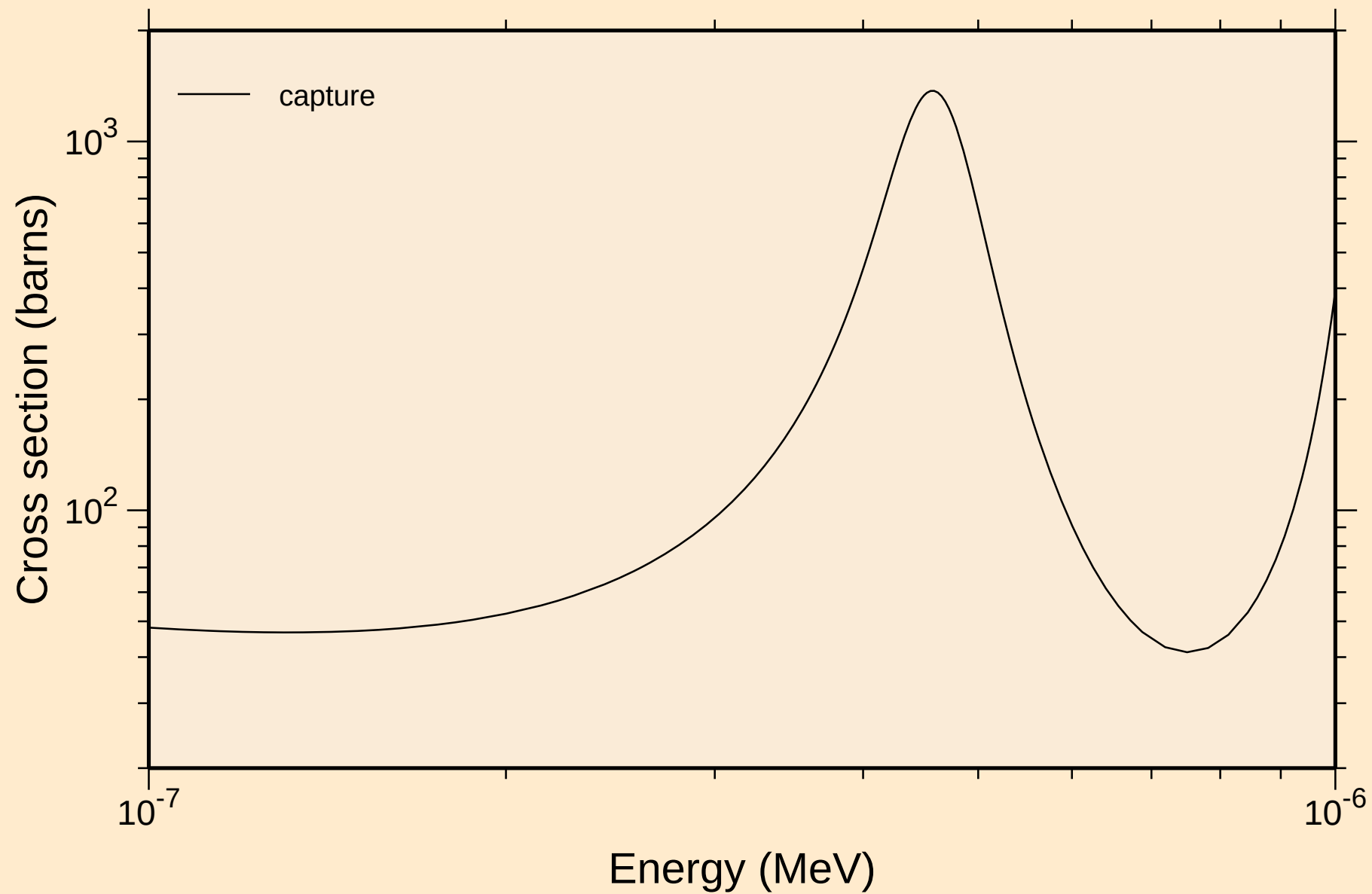
N-PM139 NRG TENDL-2017, AKONING
resonance total cross section



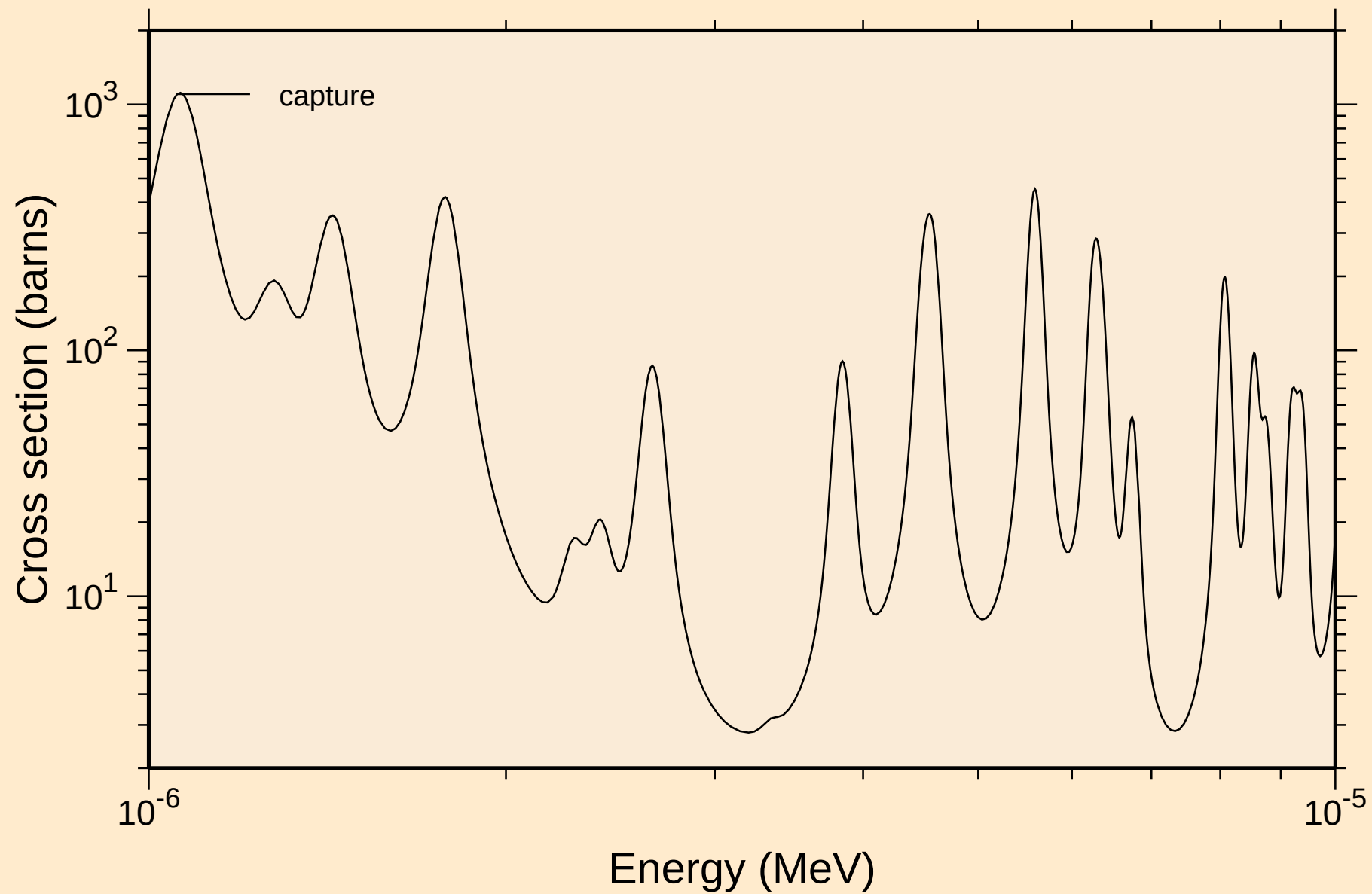
N-PM139 NRG TENDL-2017, AKONING
resonance total cross section



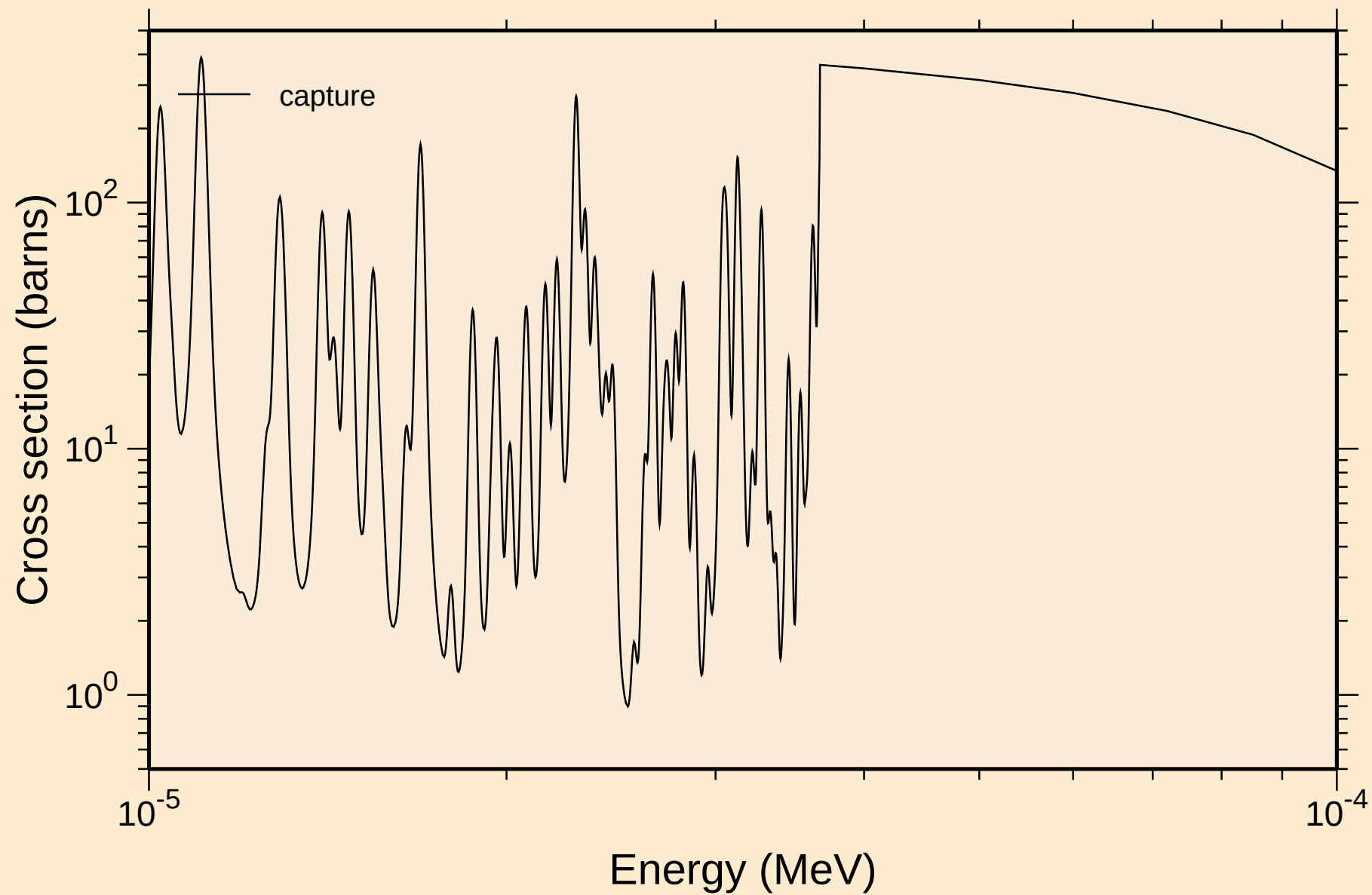
N-PM139 NRG TENDL-2017, AKONING
resonance absorption cross sections



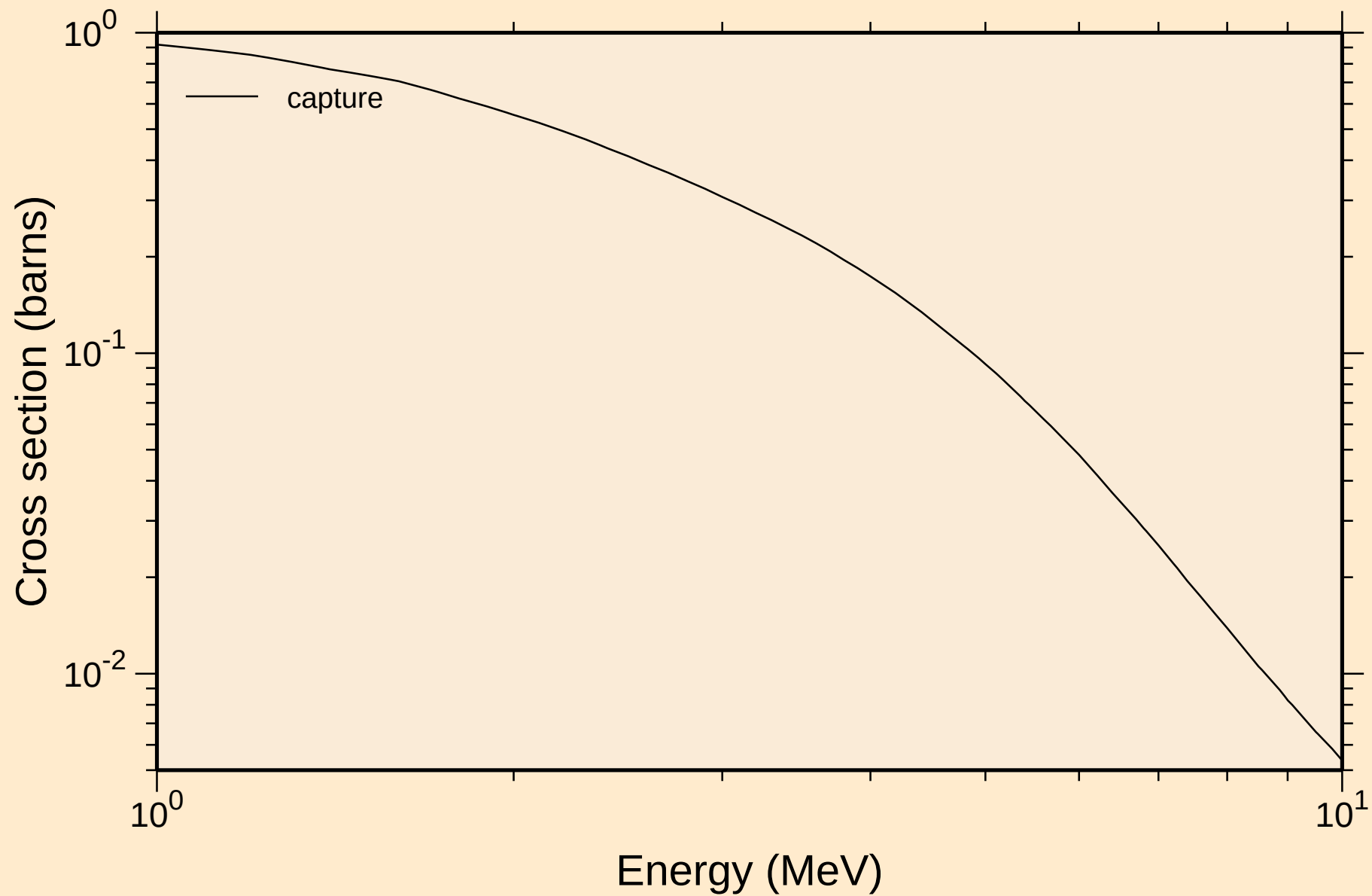
N-PM139 NRG TENDL-2017, AKONING
resonance absorption cross sections



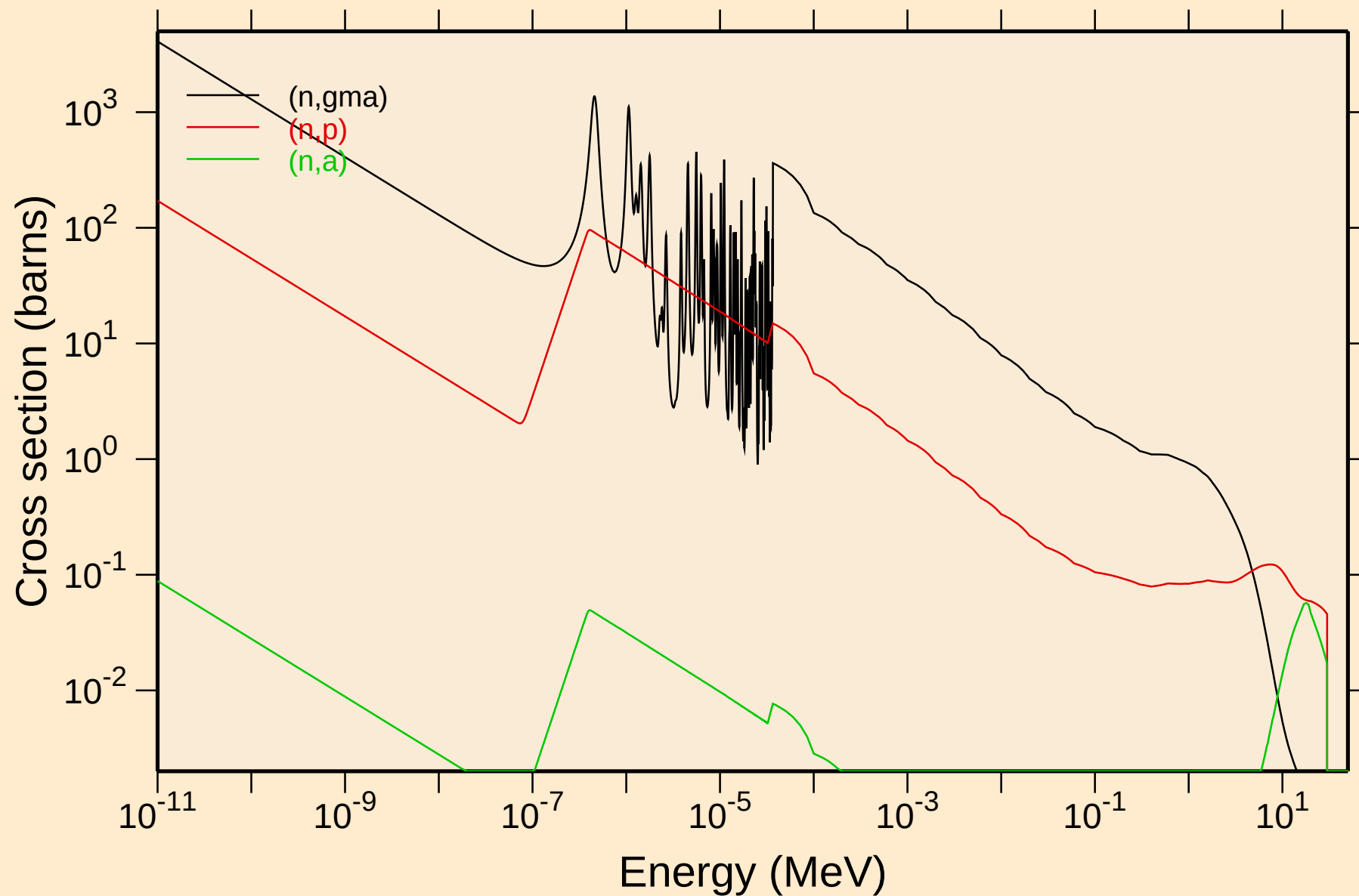
N-PM139 NRG TENDL-2017, AKONING
resonance absorption cross sections



N-PM139 NRG TENDL-2017, AKONING
resonance absorption cross sections

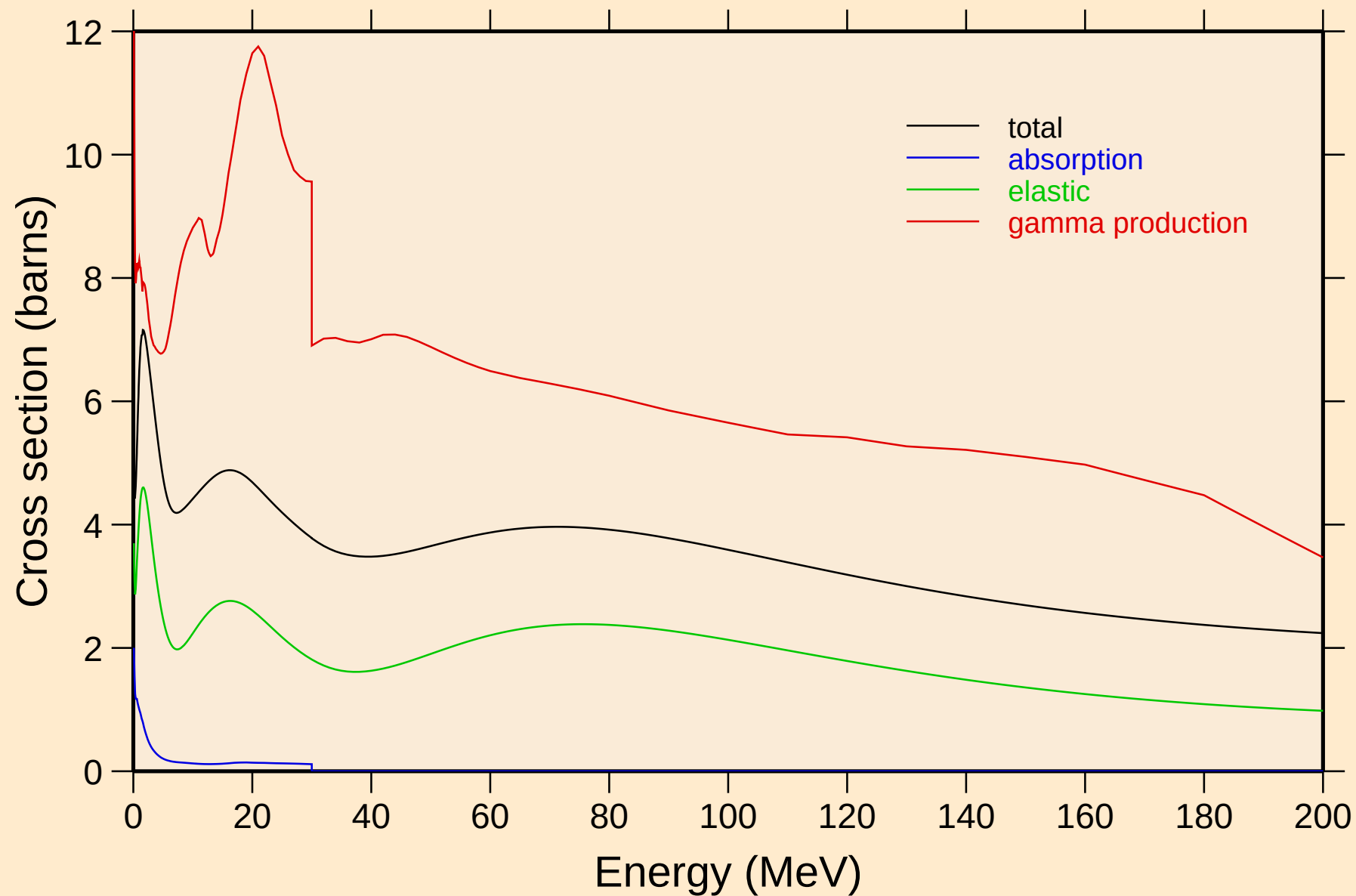


N-PM139 NRG TENDL-2017, AKONING
Non-threshold reactions



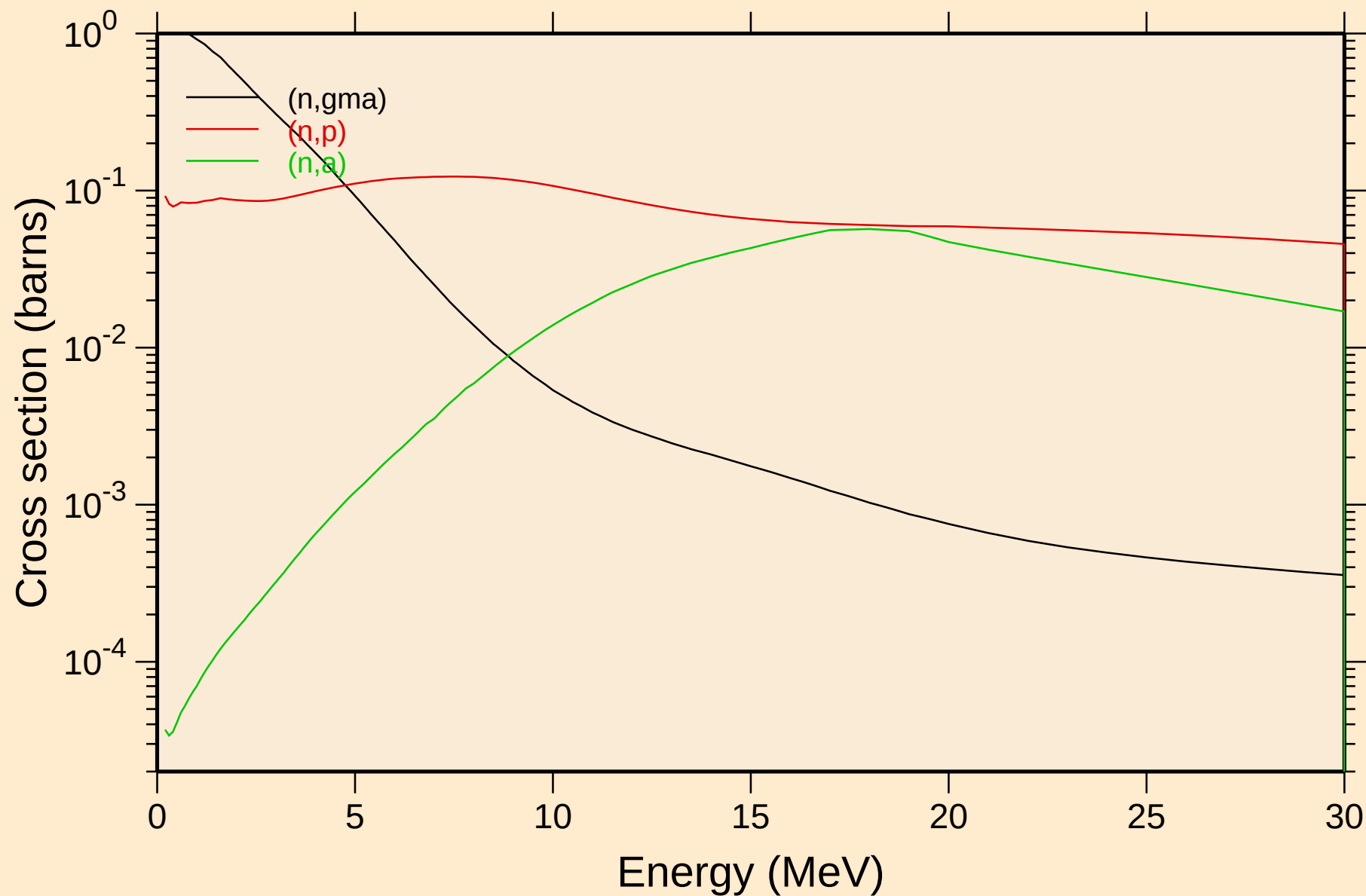
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Principal cross sections



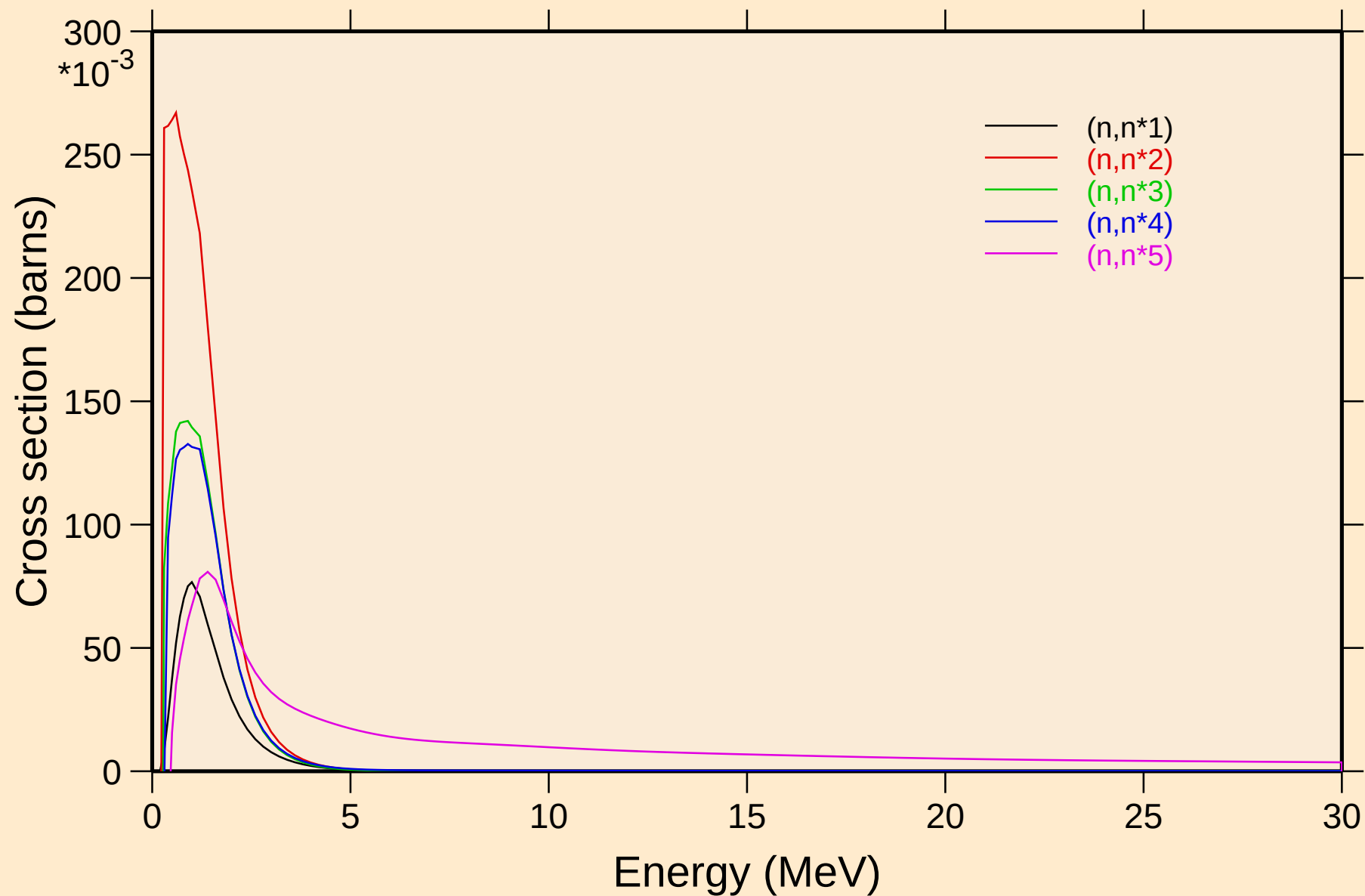
N-PM139 NRG TENDL-2017, AKONING

Non-threshold reactions



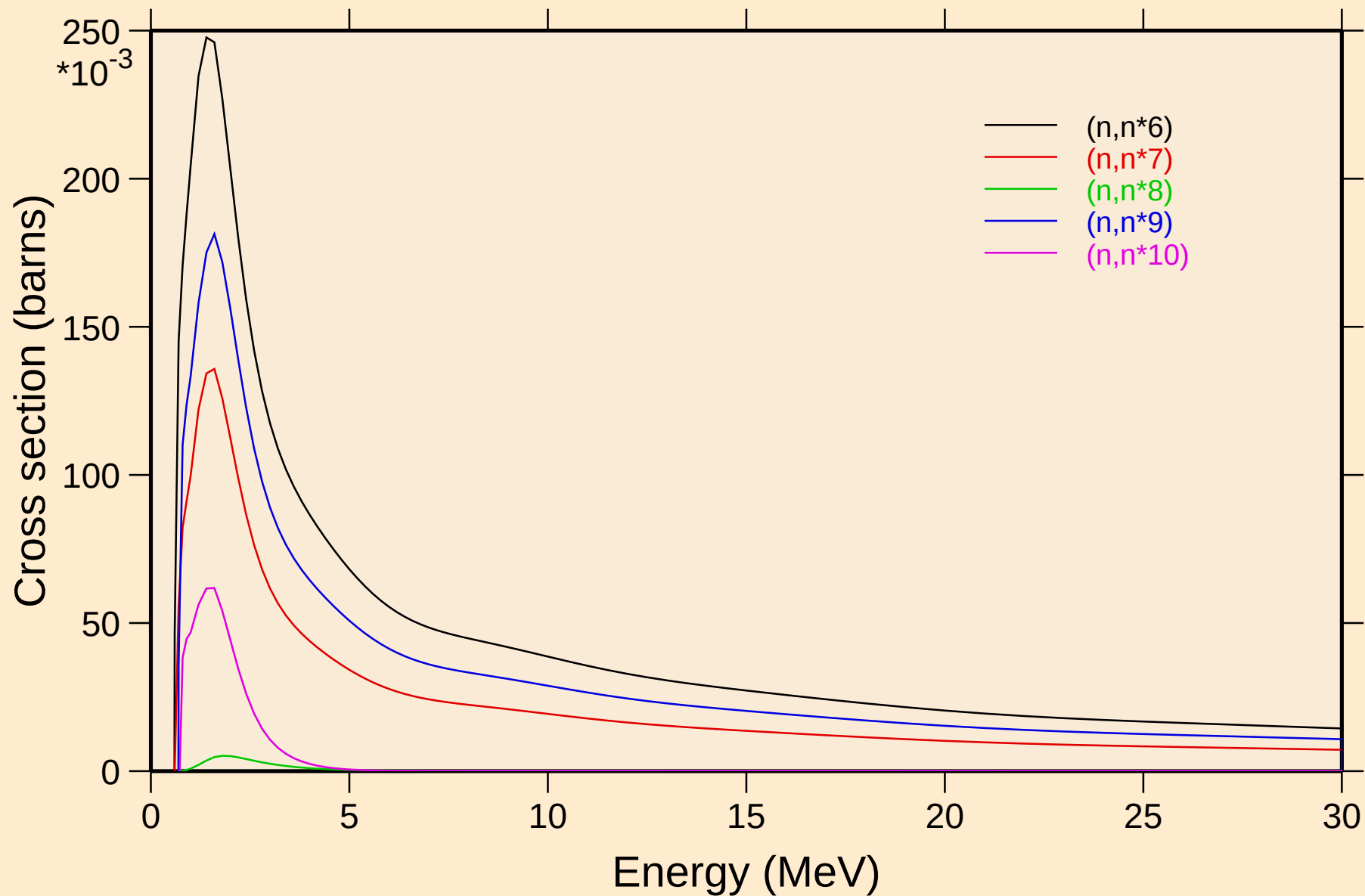
N-PM139 NRG TENDL-2017, AKONING

Inelastic levels



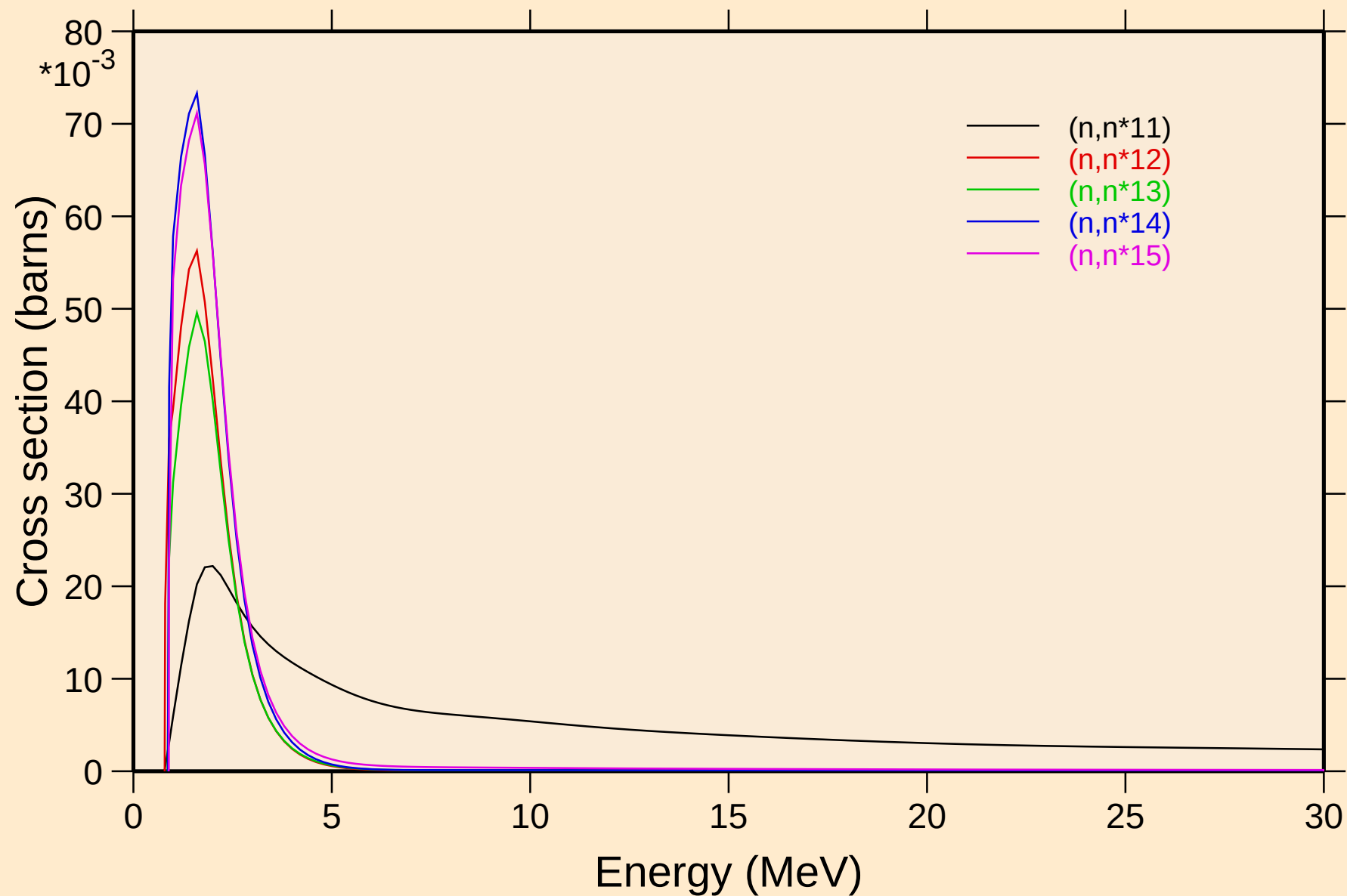
N-PM139 NRG TENDL-2017, AKONING

Inelastic levels



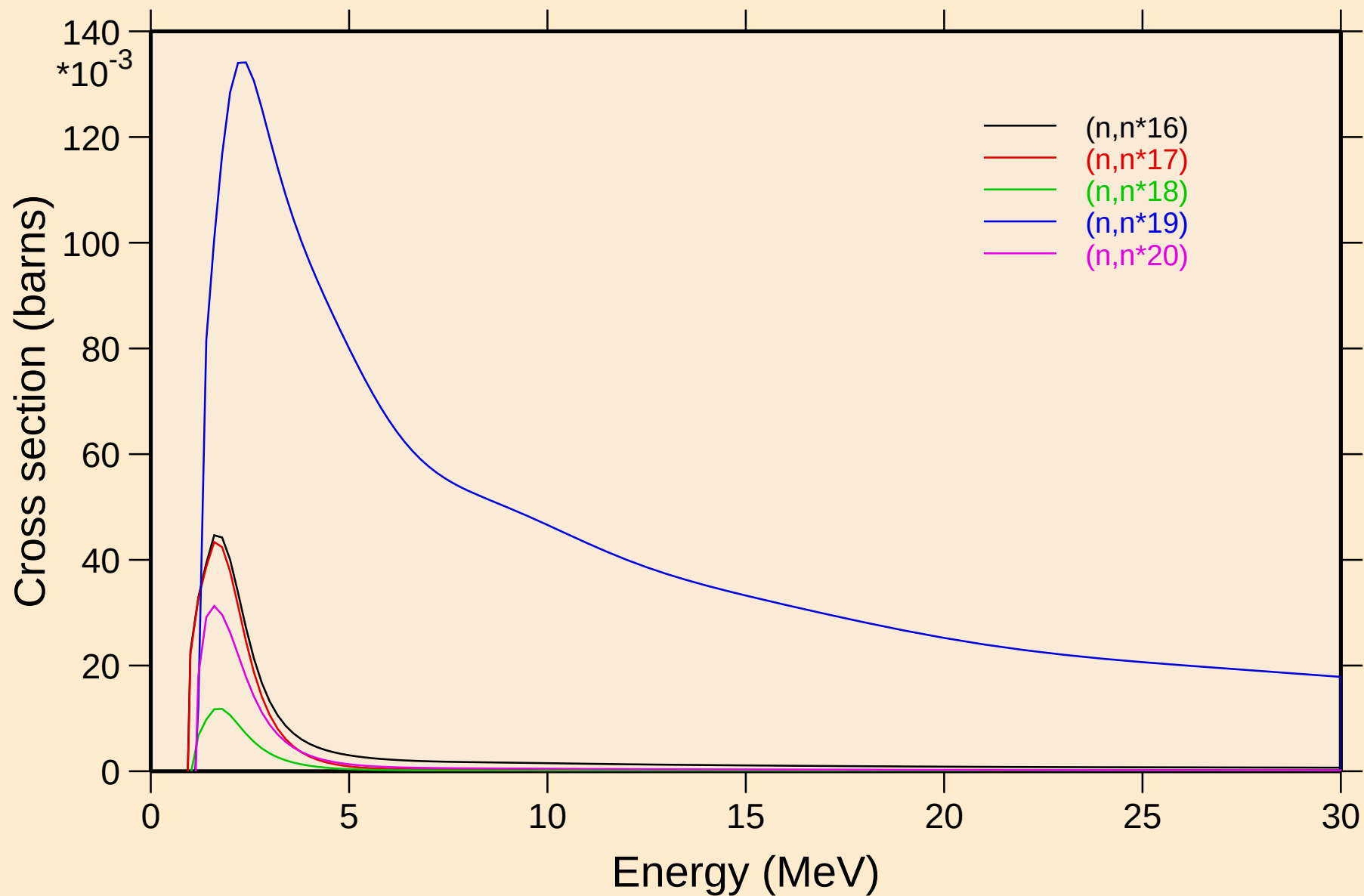
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Inelastic levels



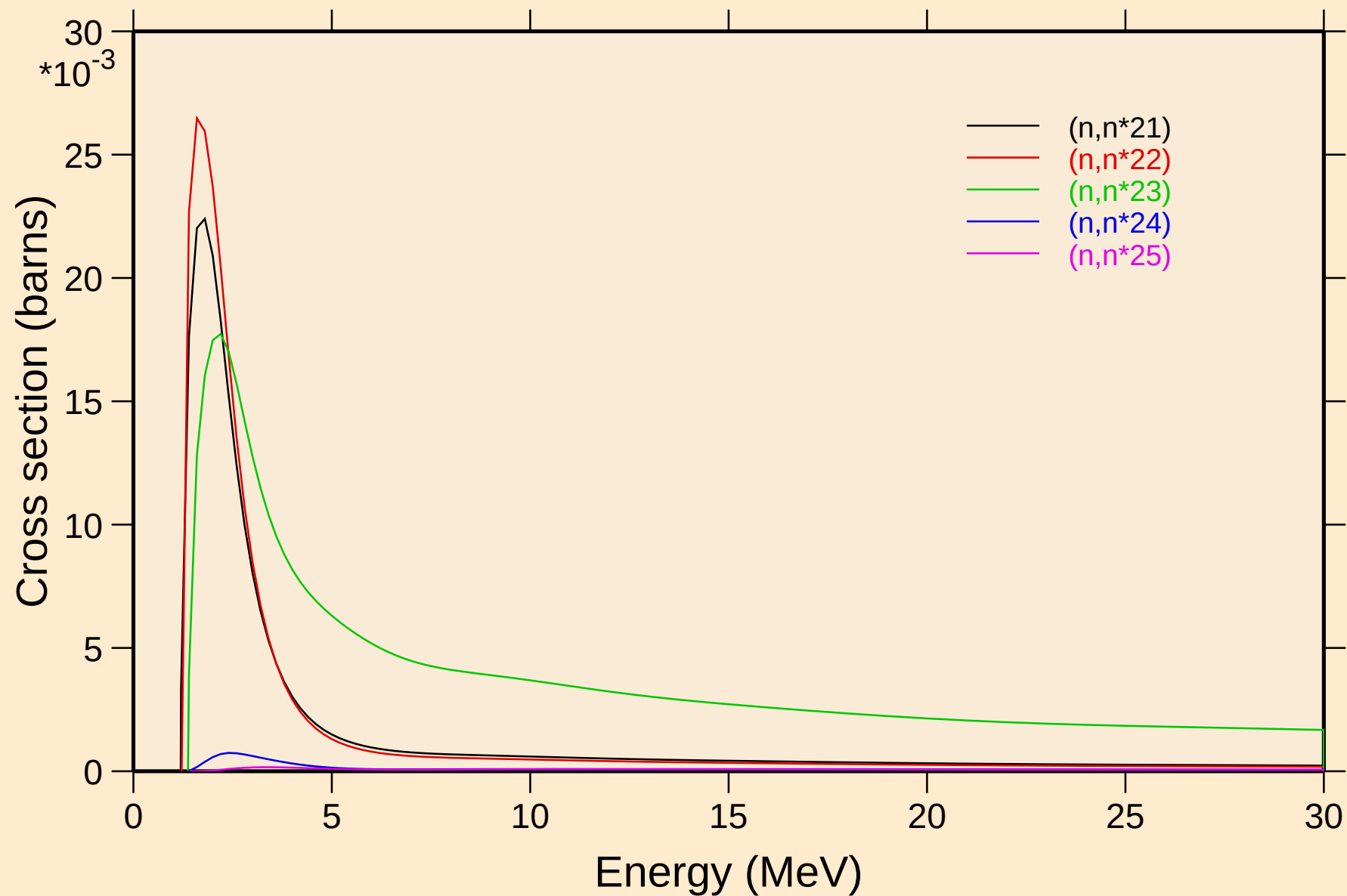
N-PM139 NRG TENDL-2017, AKONING

Inelastic levels



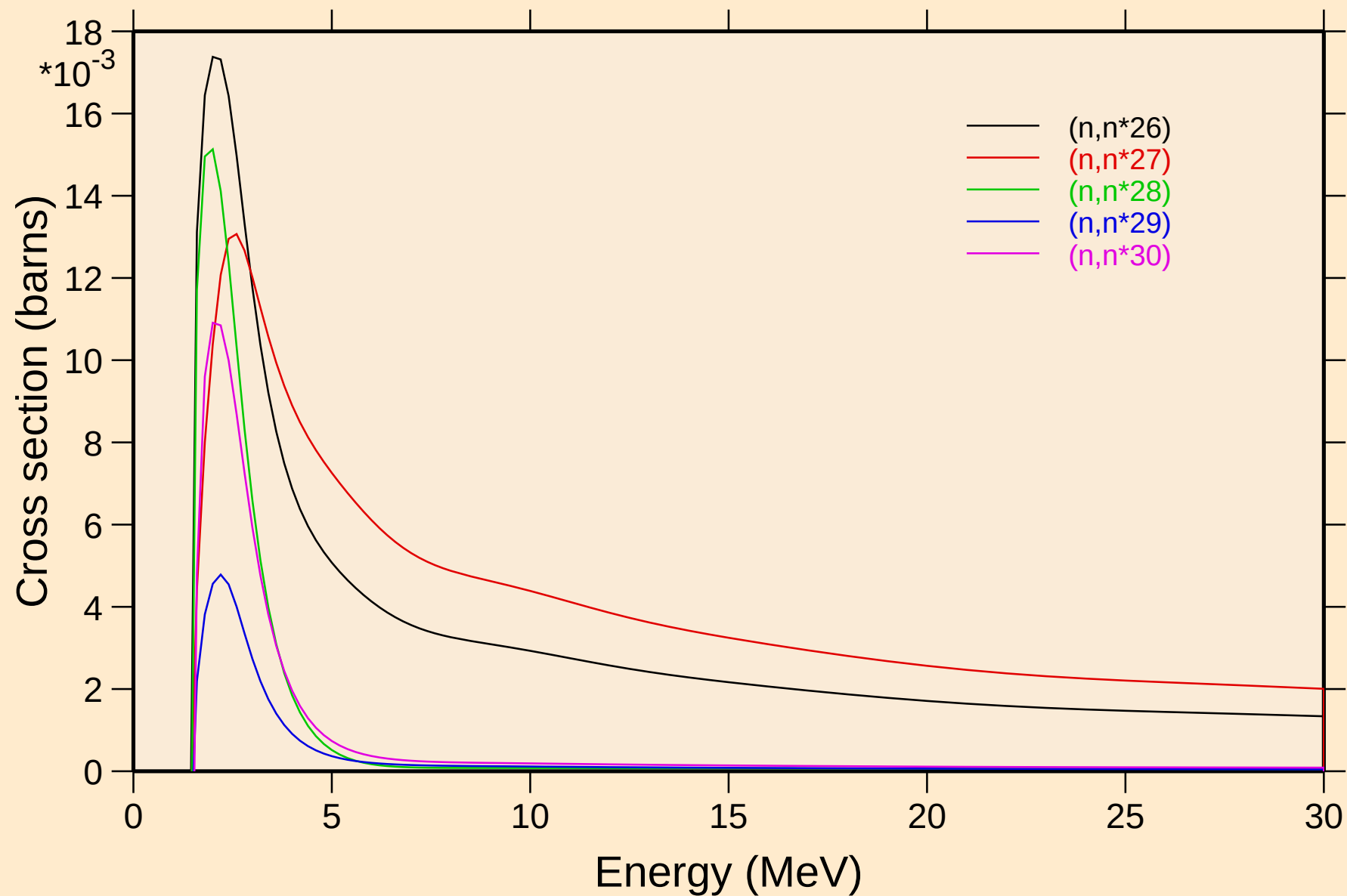
N-PM139 NRG TENDL-2017, AKONING

Inelastic levels



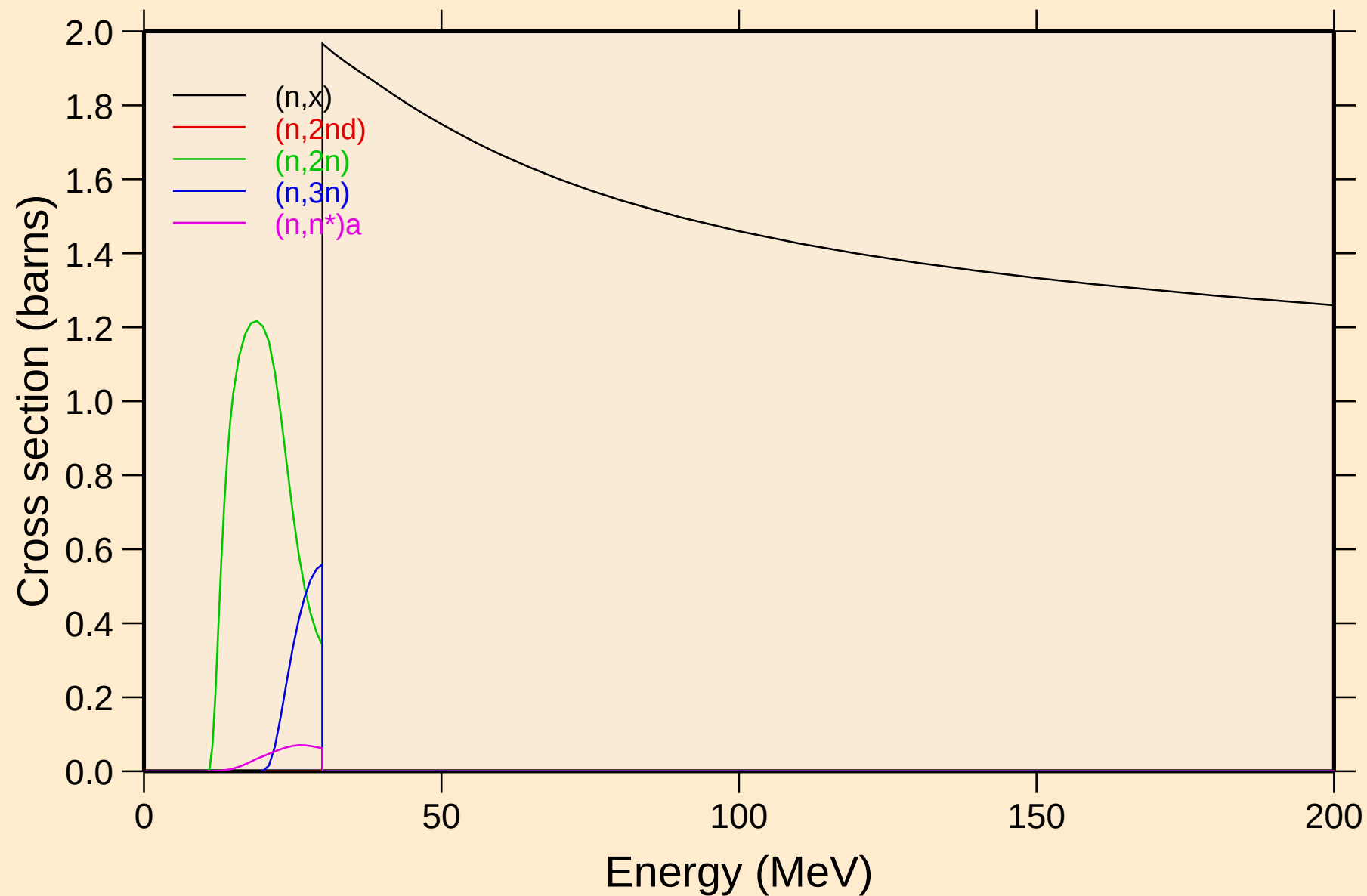
N-PM139 NRG TENDL-2017, AKONING

Inelastic levels



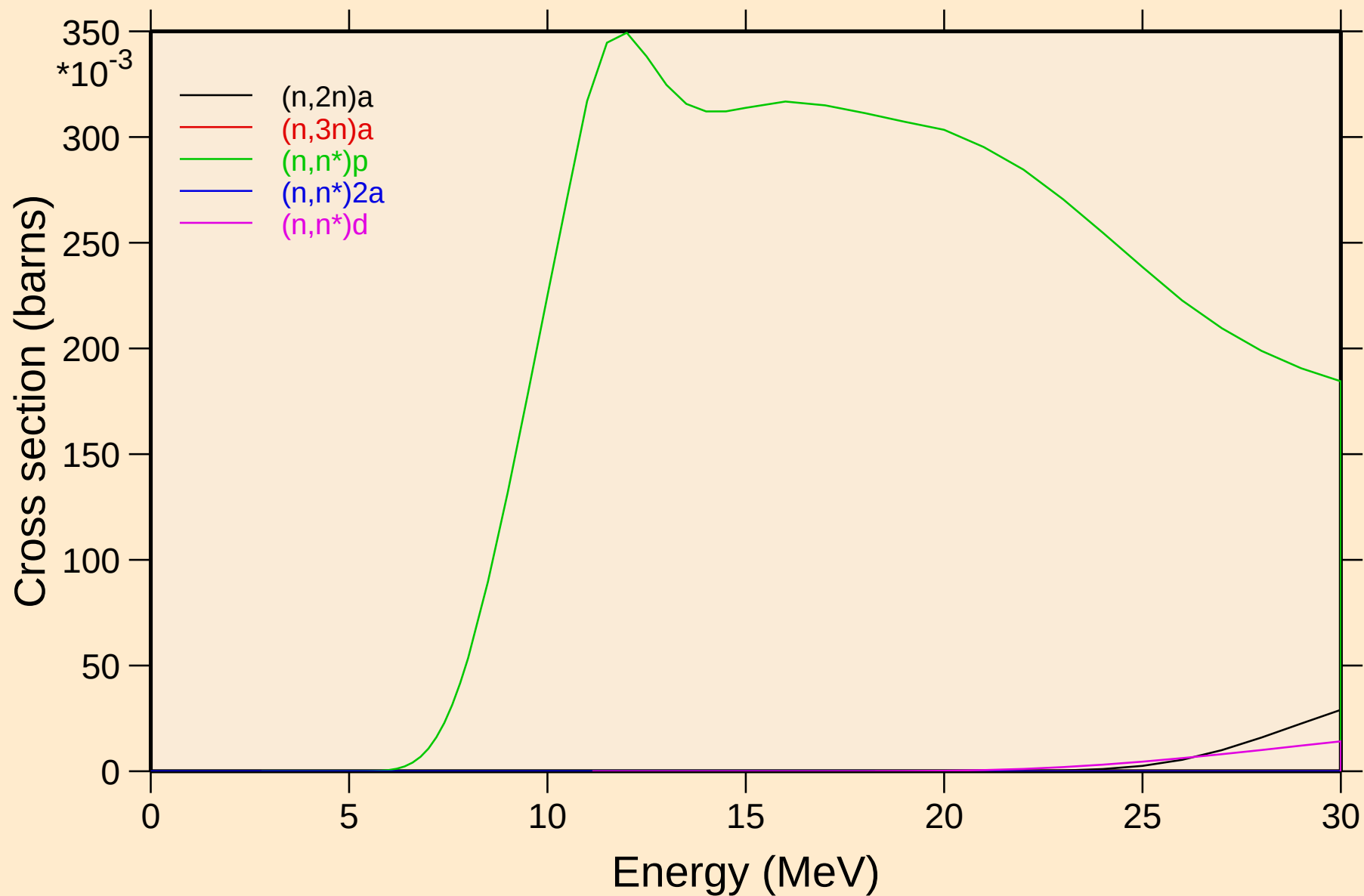
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Threshold reactions



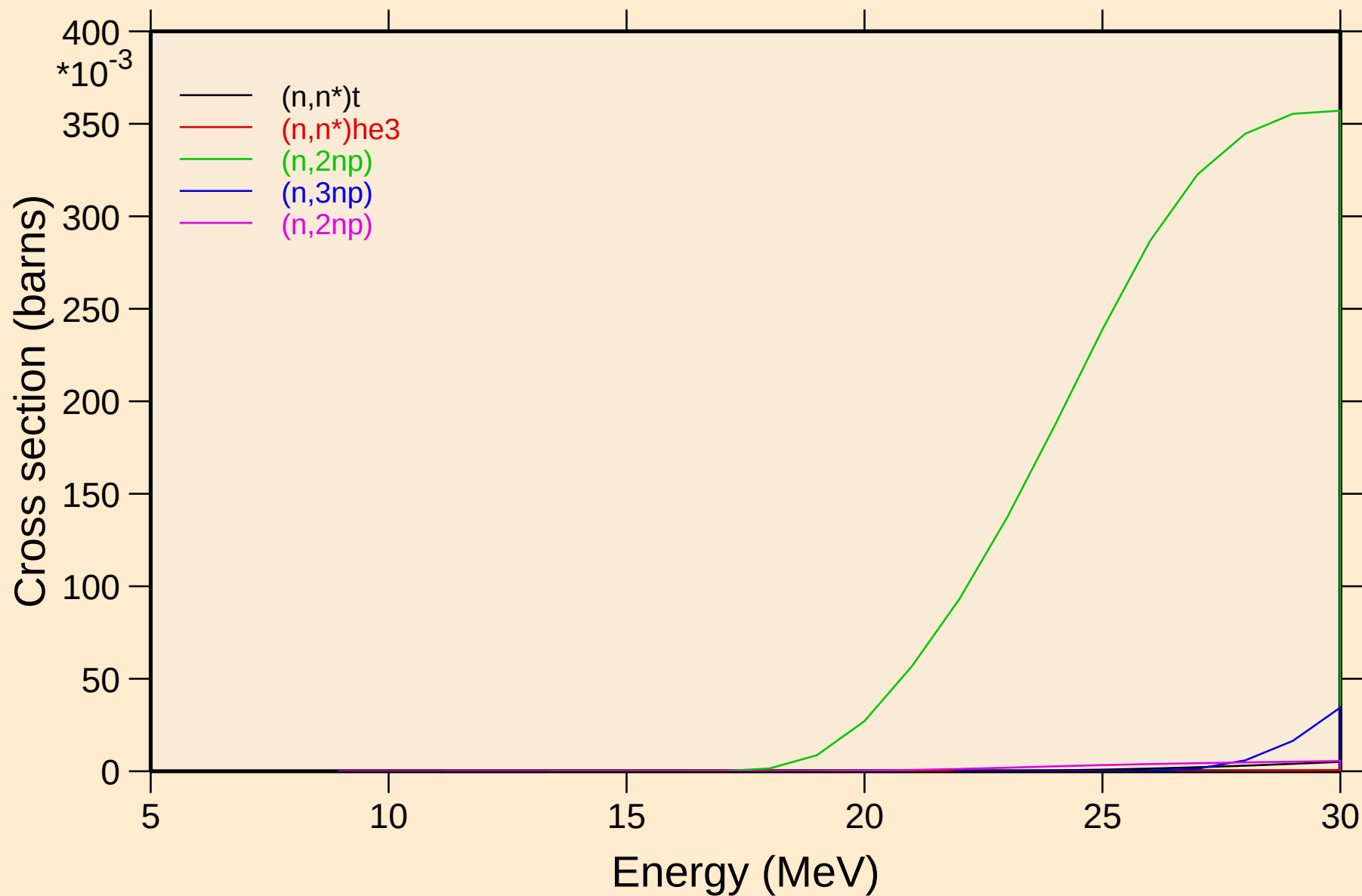
N-PM139 NRG TENDL-2017, AKONING

Threshold reactions



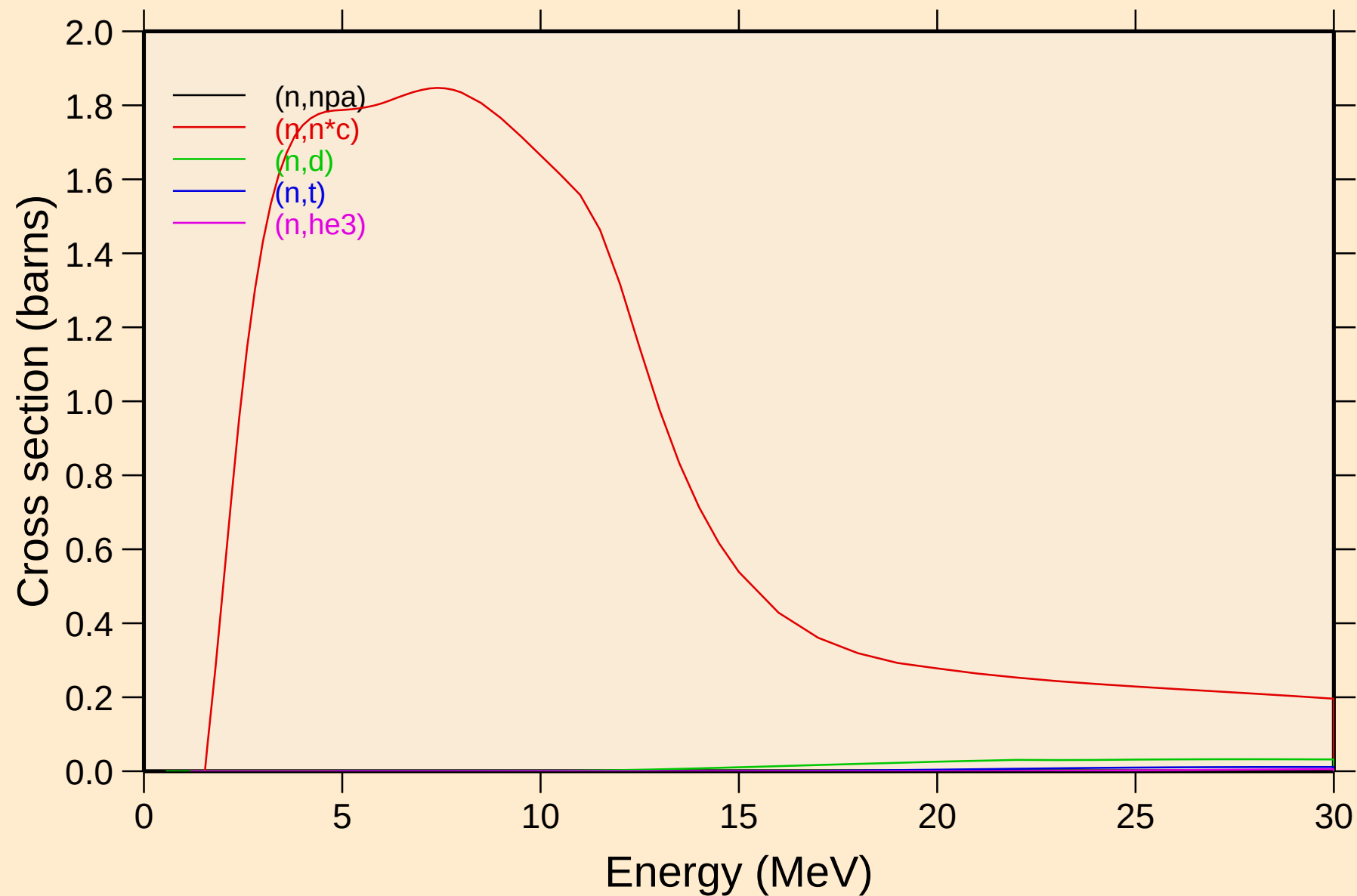
N-PM139 NRG TENDL-2017, AKONING

Threshold reactions



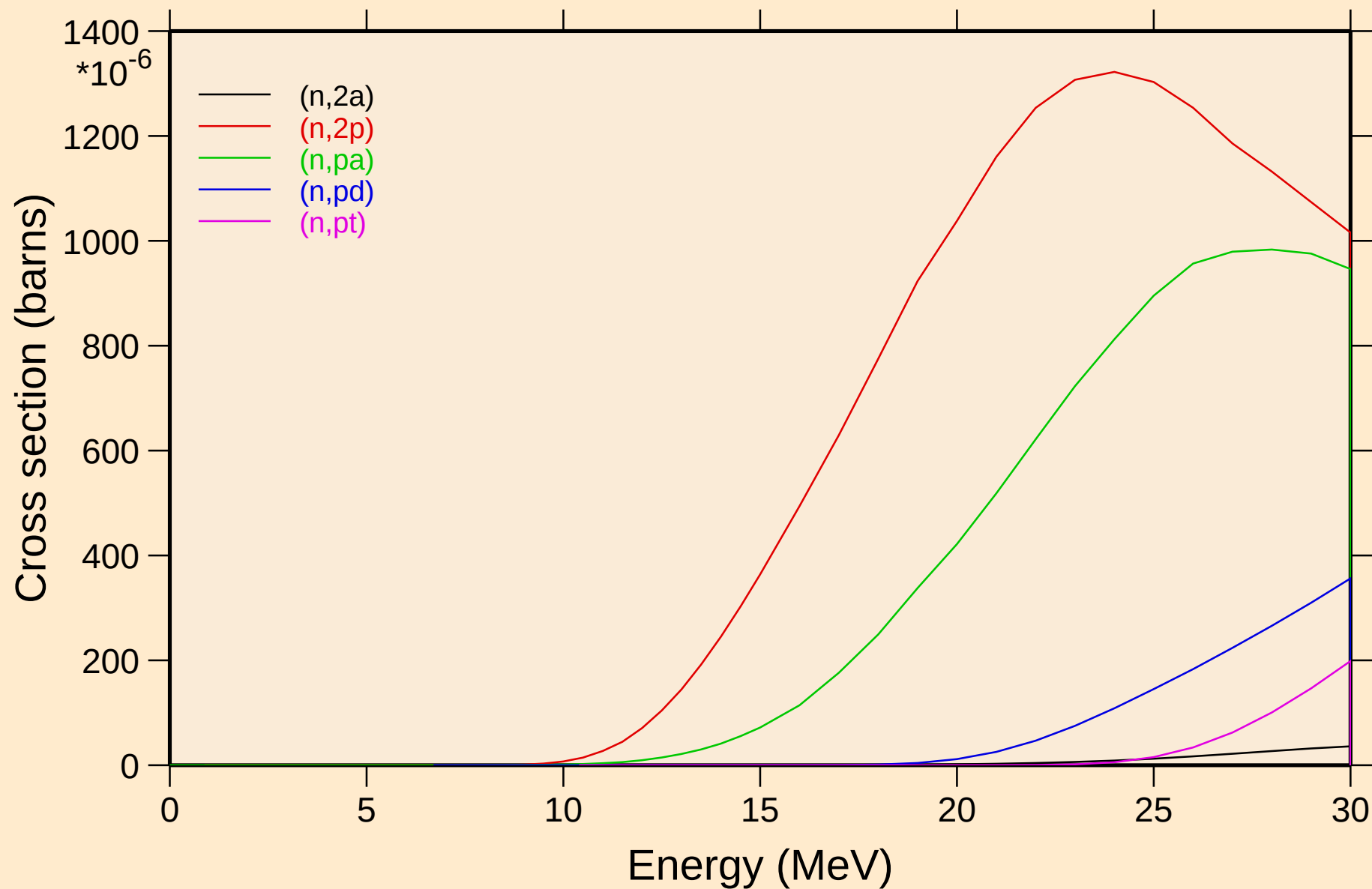
N-PM139 NRG TENDL-2017, AKONING

Threshold reactions



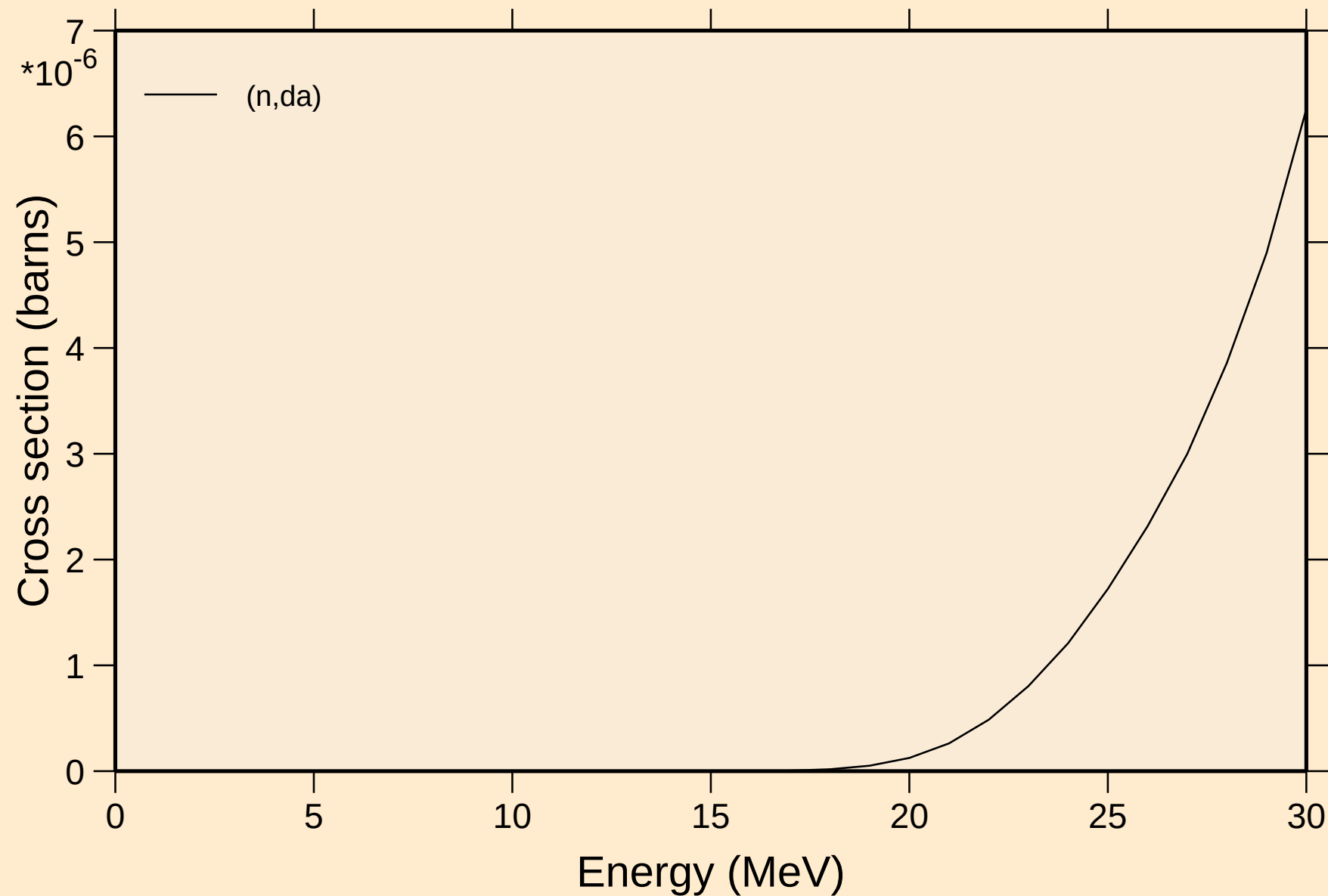
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Threshold reactions

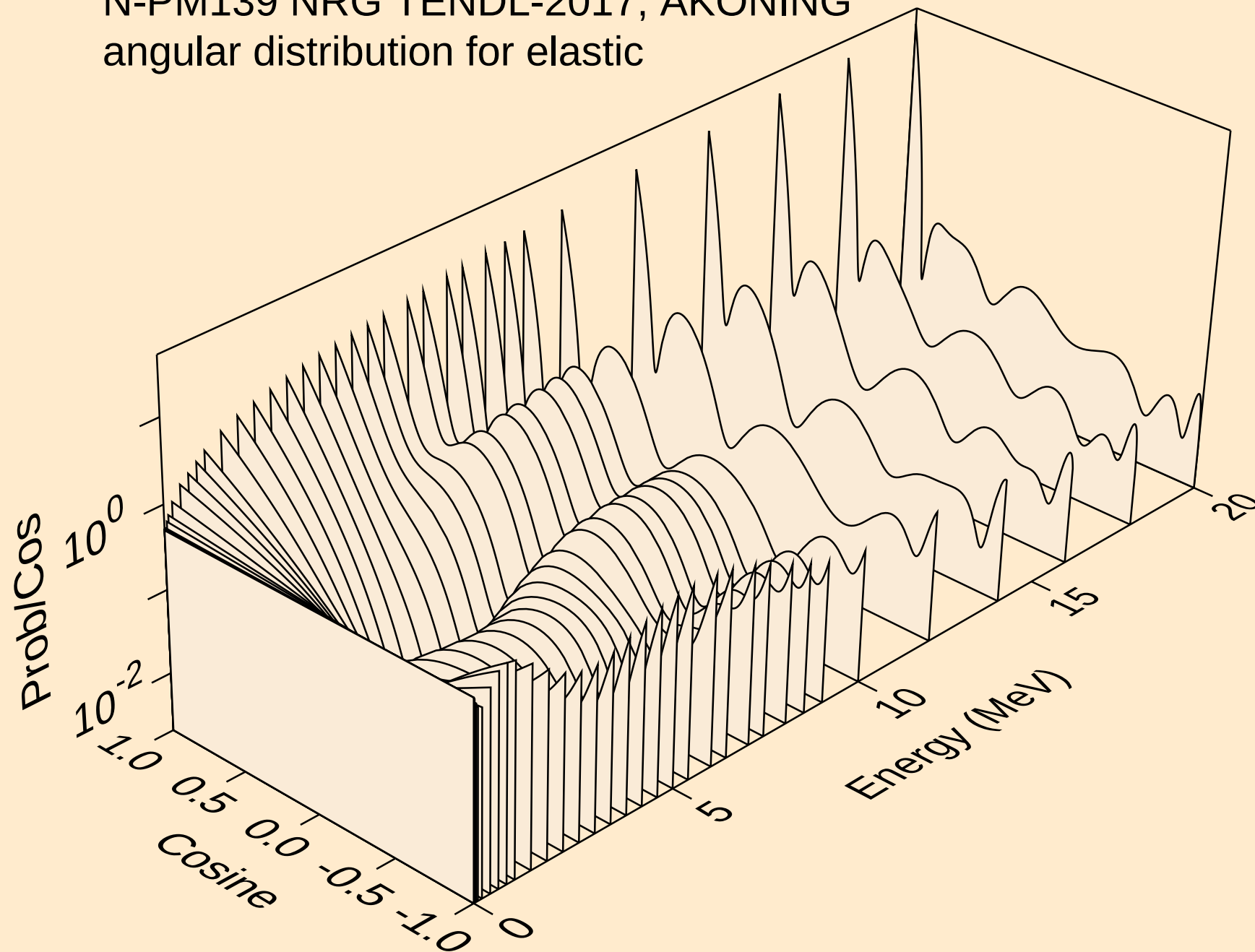


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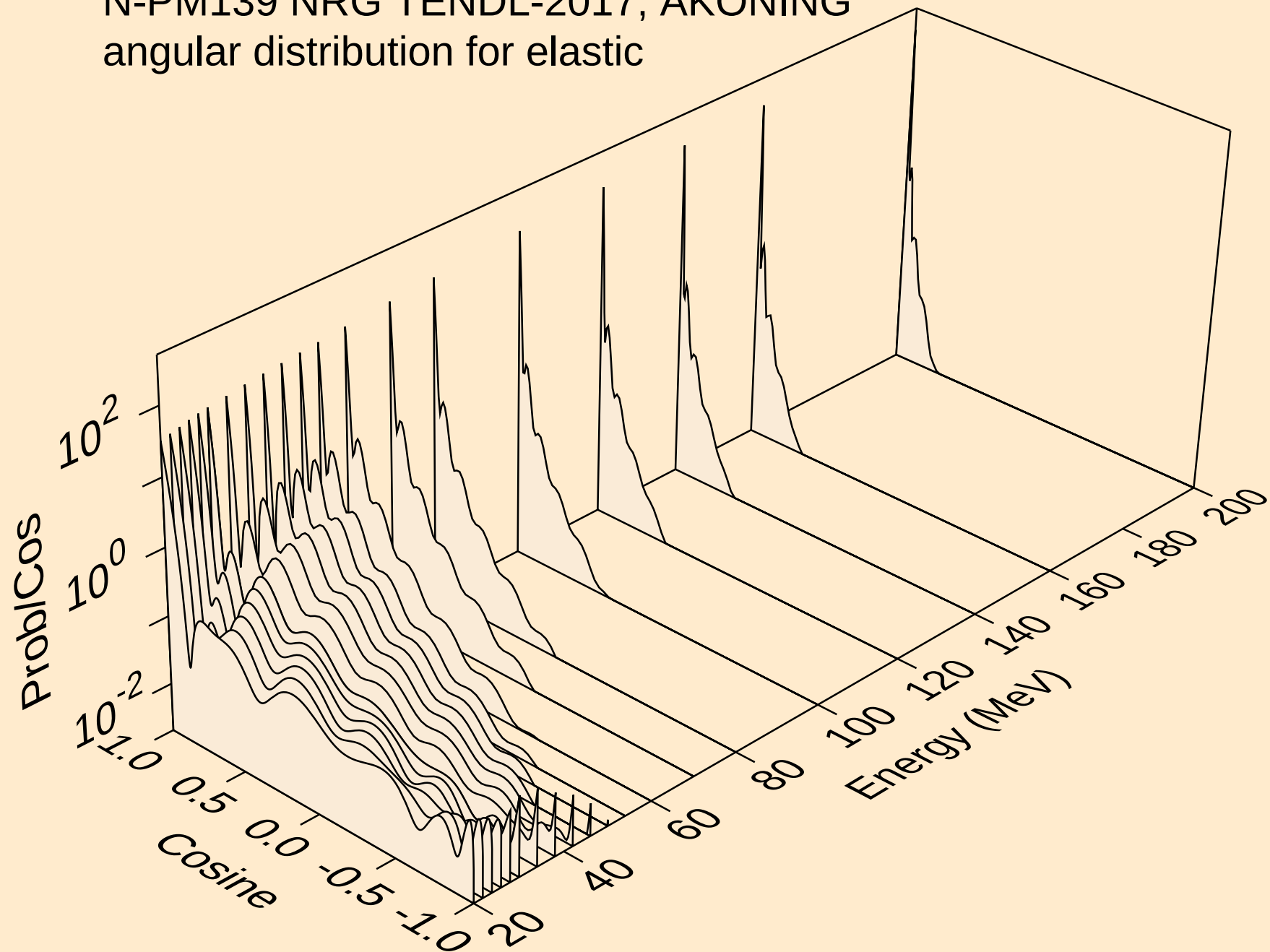
Threshold reactions



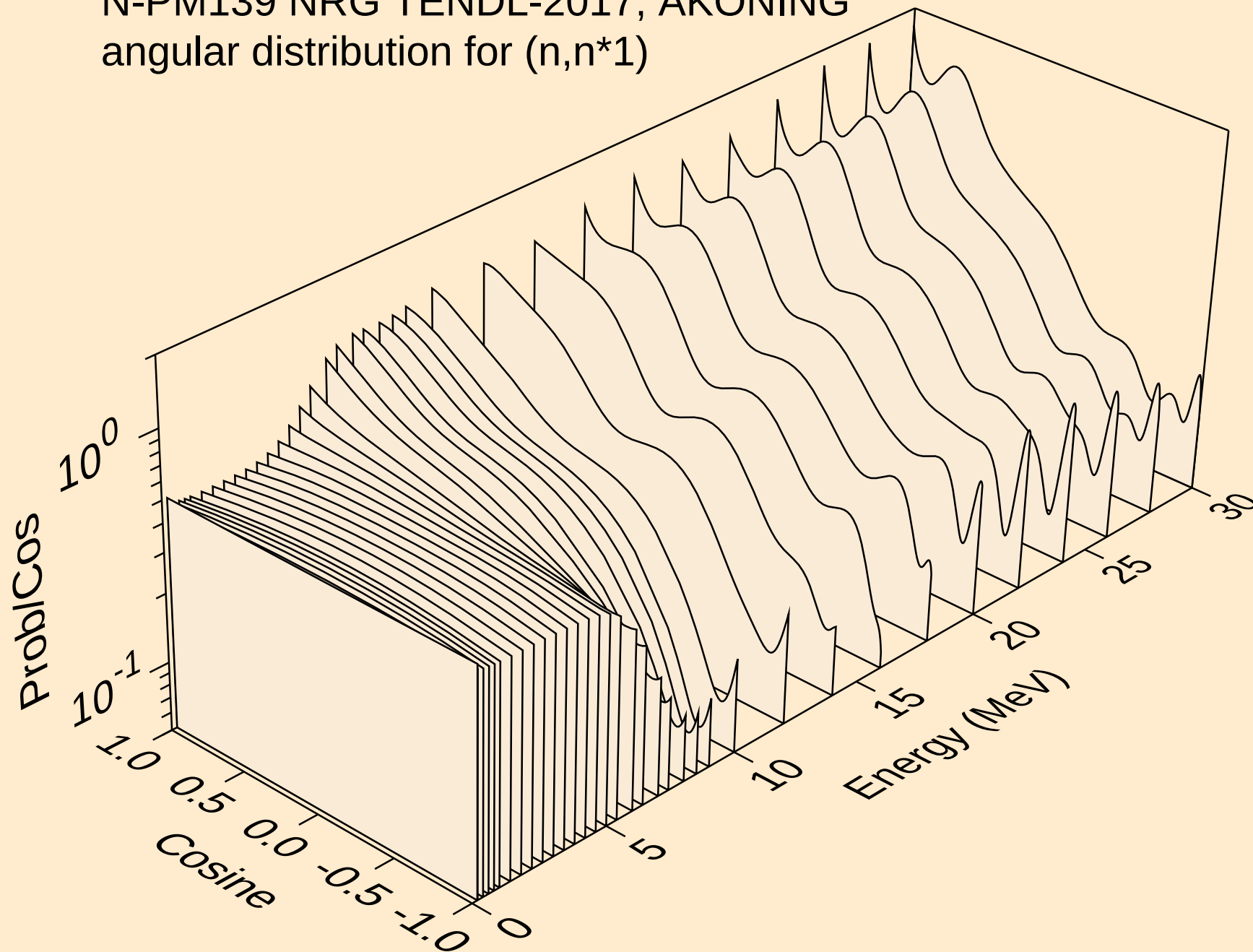
N-PM139 NRG TENDL-2017, AKONING
angular distribution for elastic



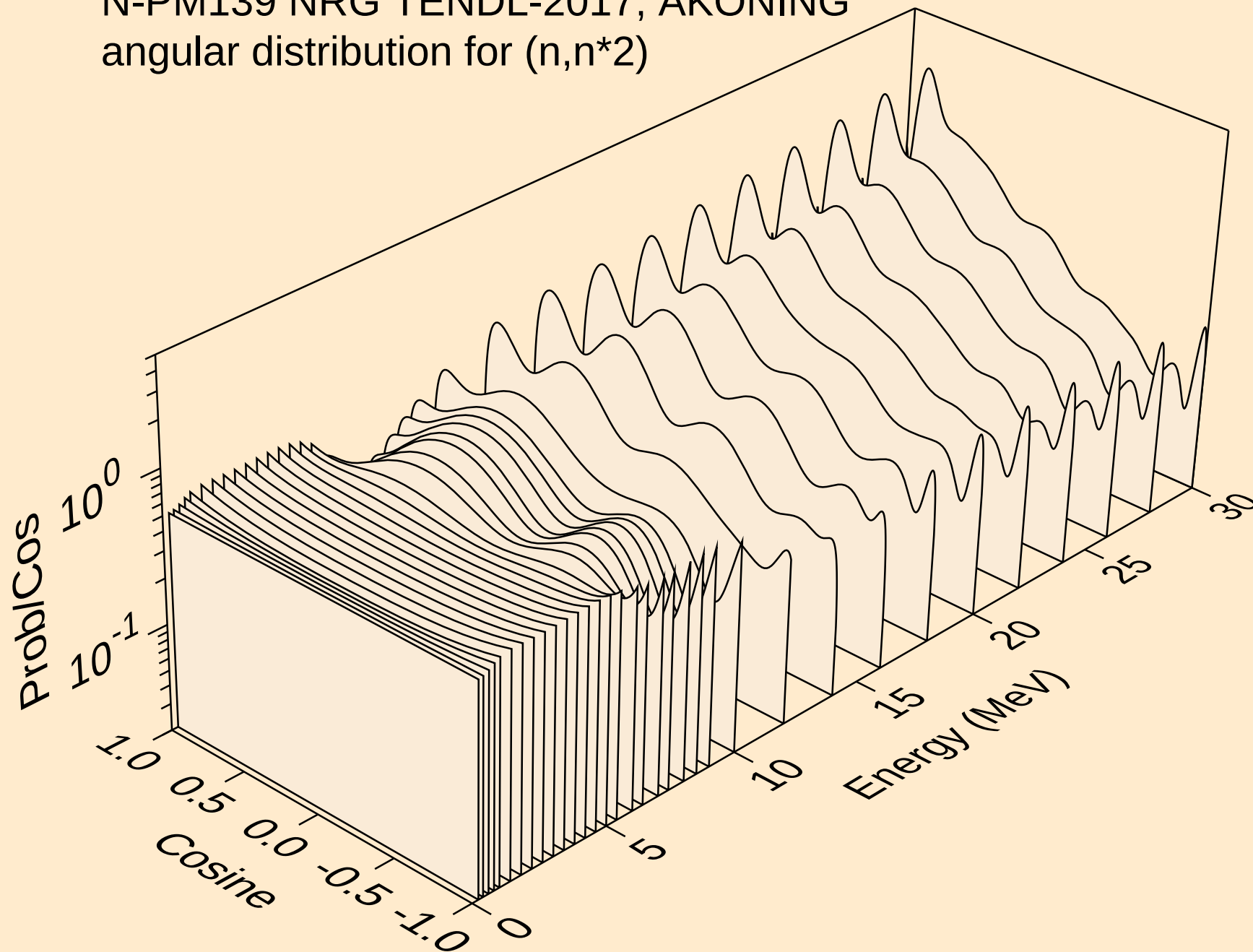
N-PM139 NRG TENDL-2017, AKONING
angular distribution for elastic



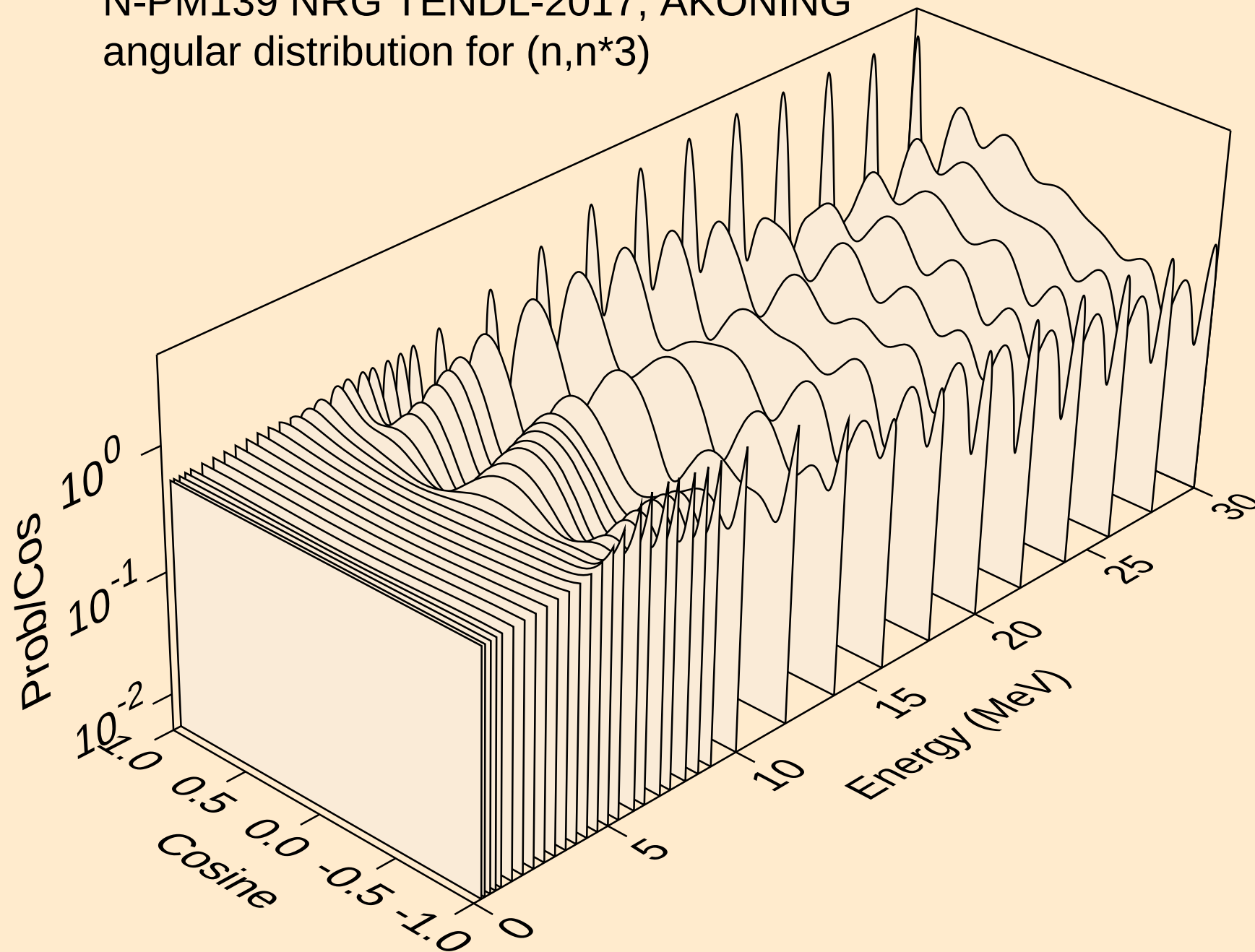
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*1)



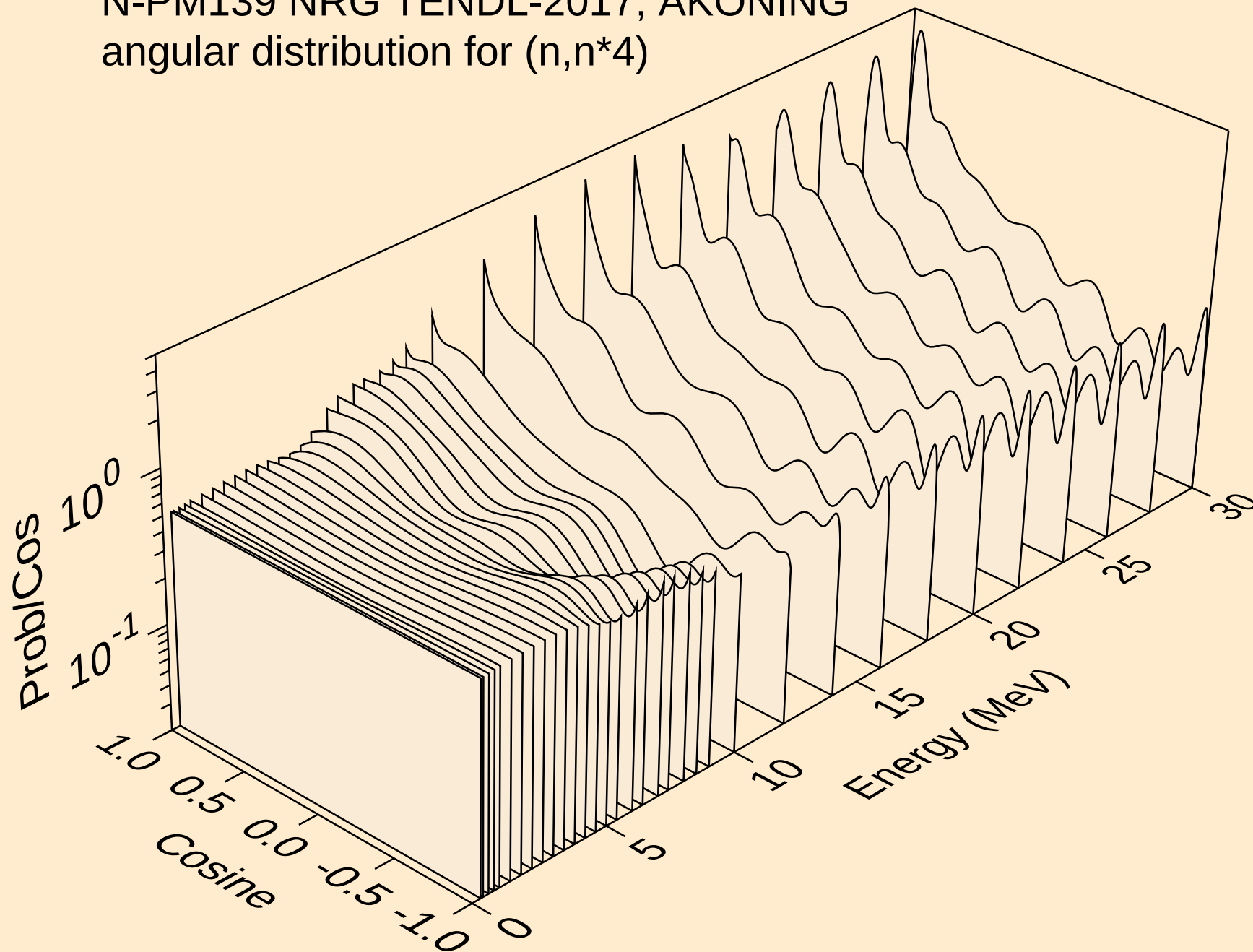
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*2)



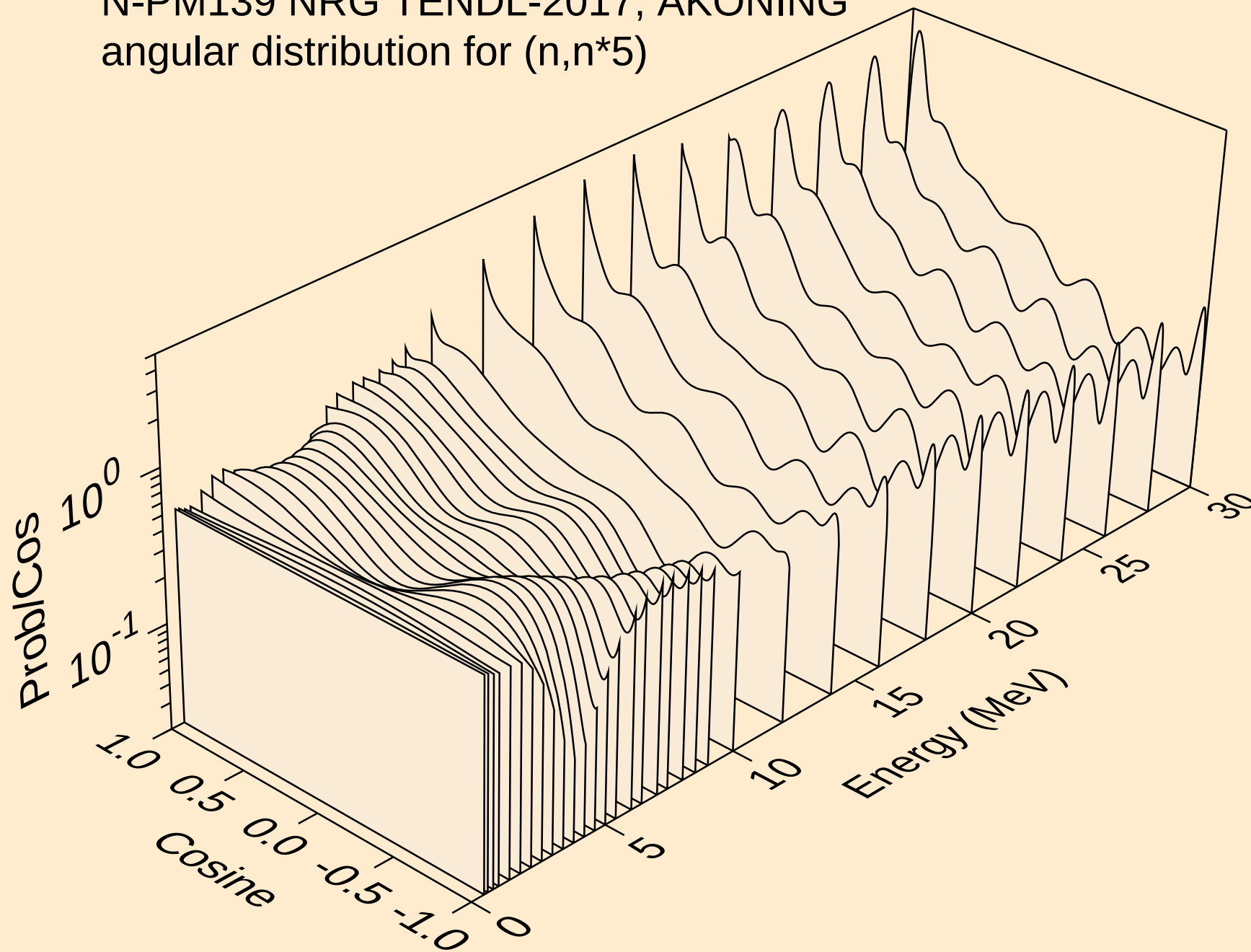
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*3)



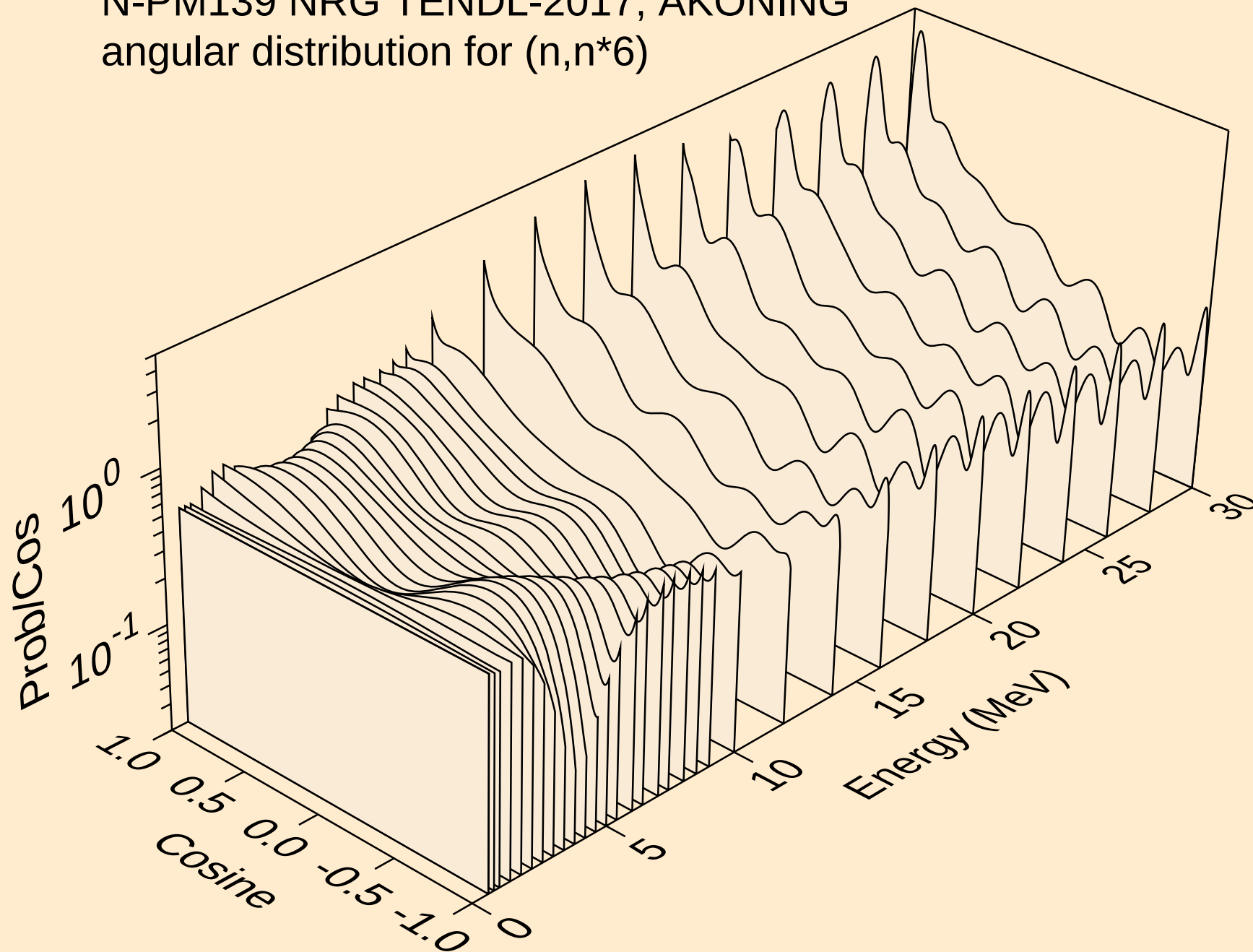
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*4)



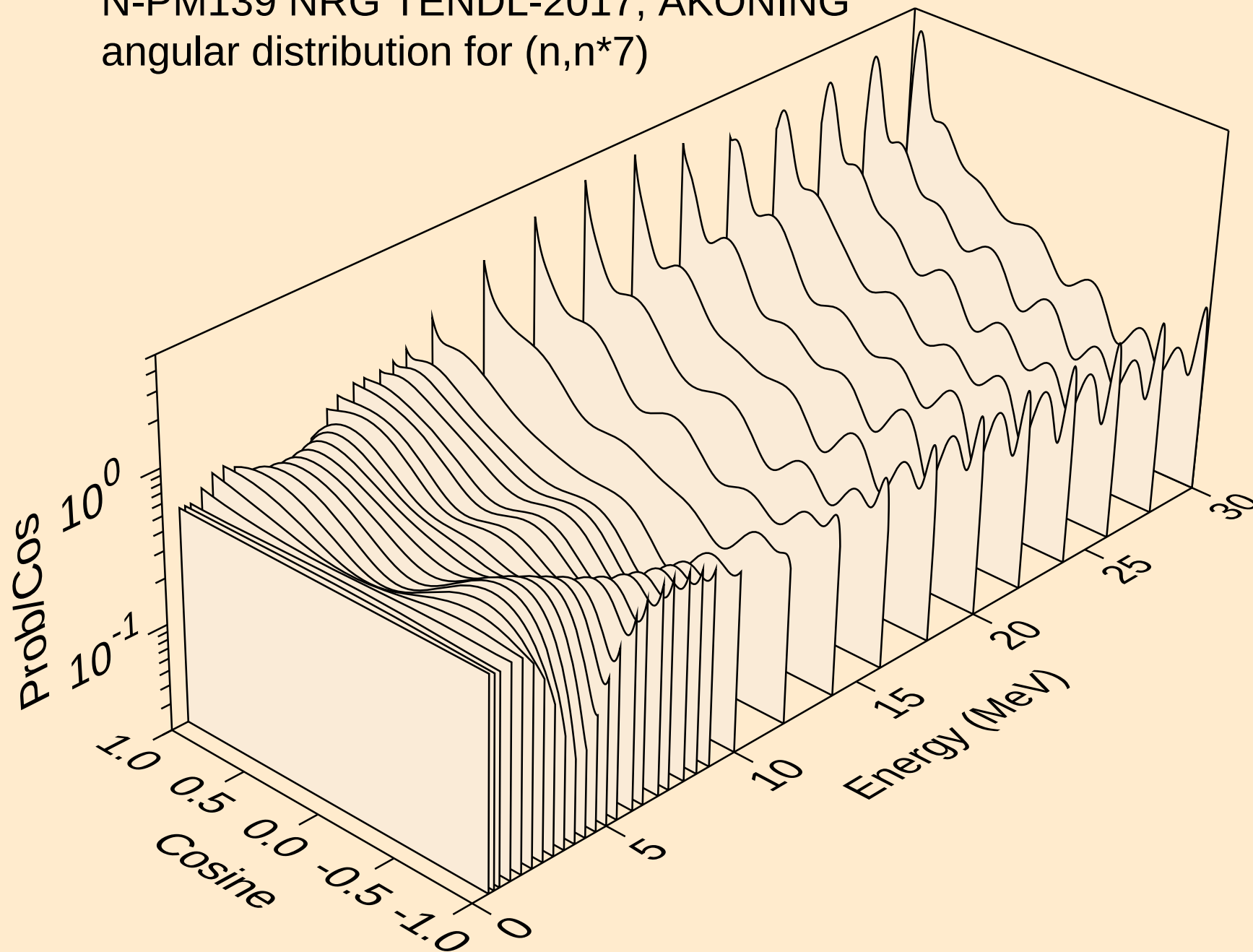
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*5)



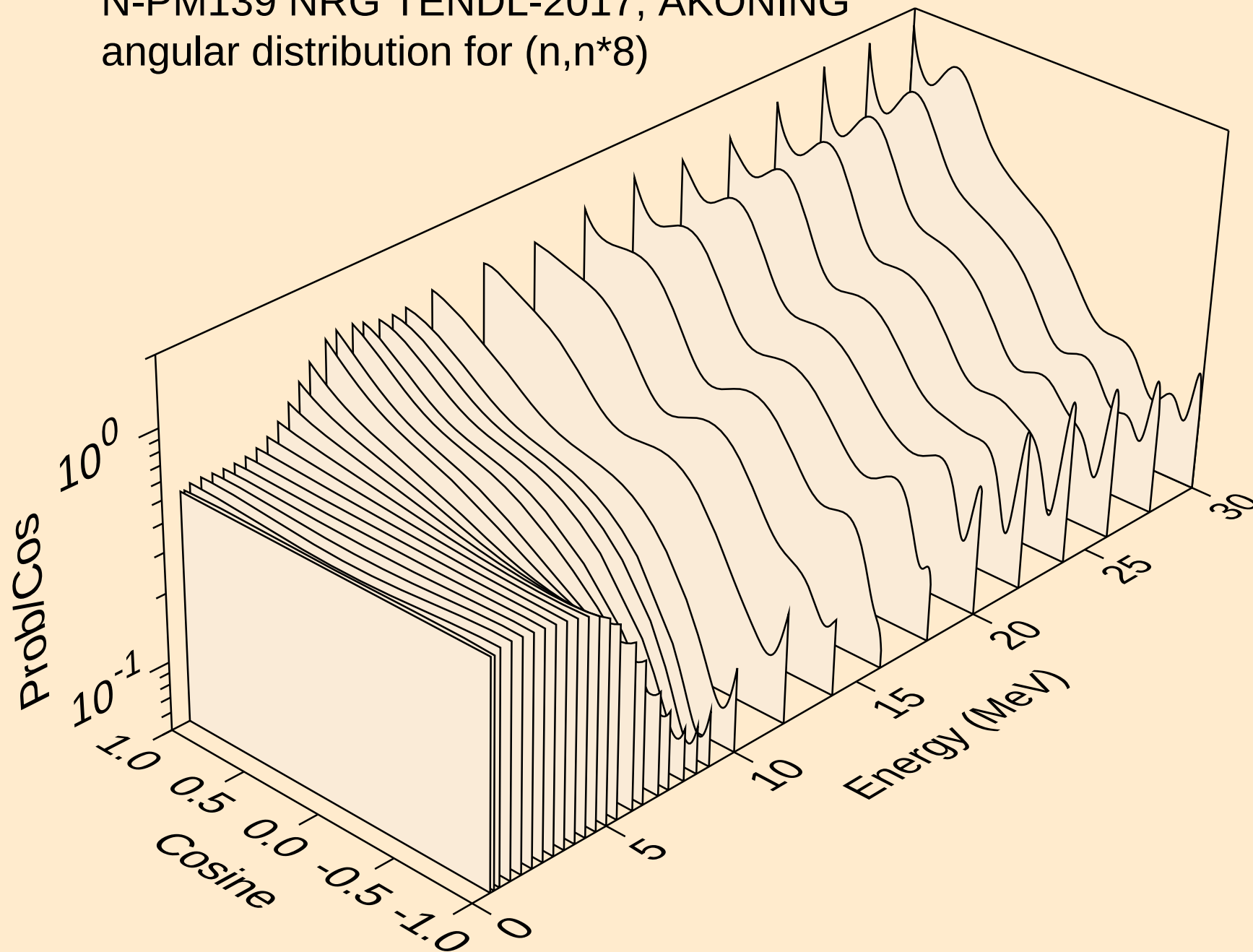
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*6)



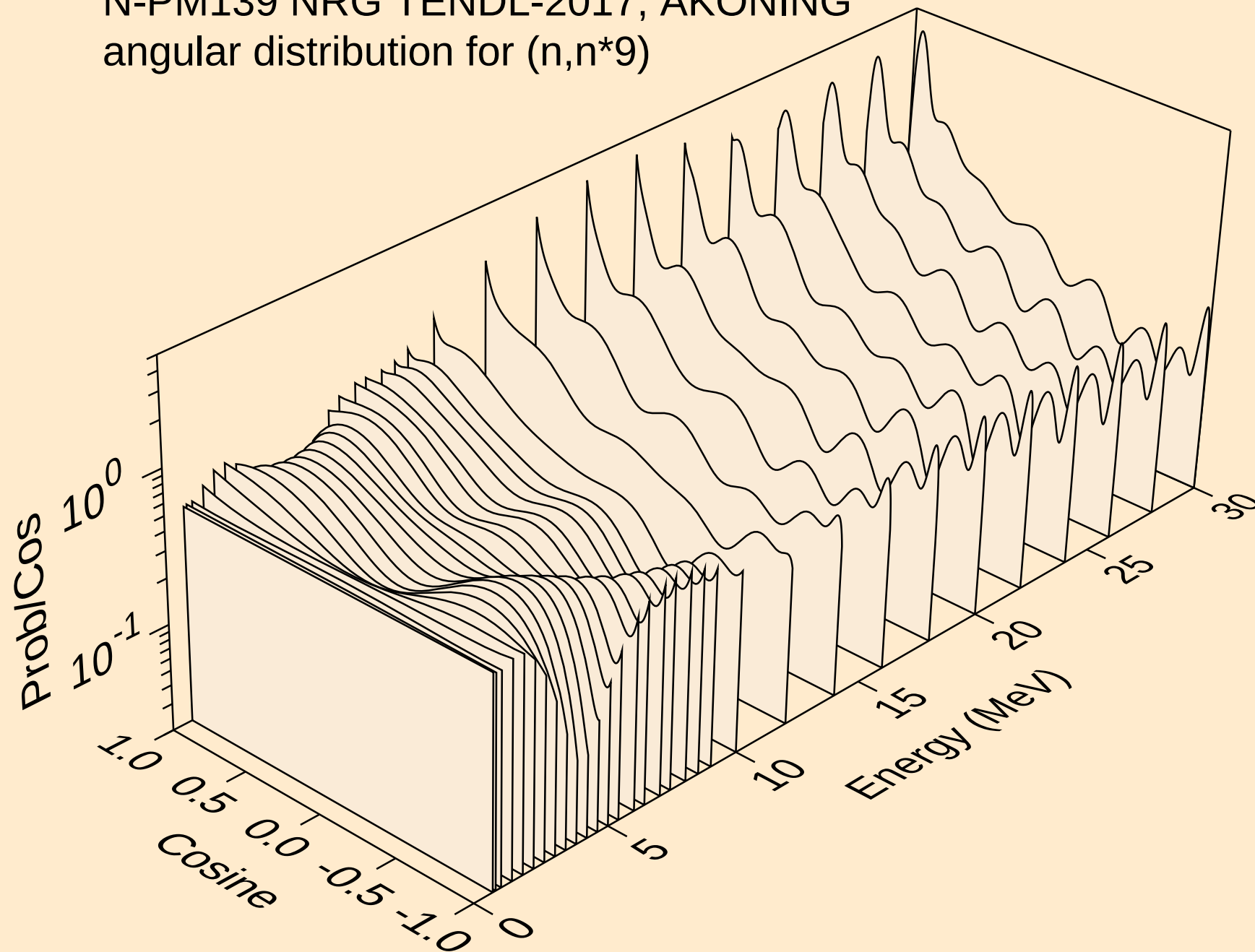
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angular distribution for (n,n*7)



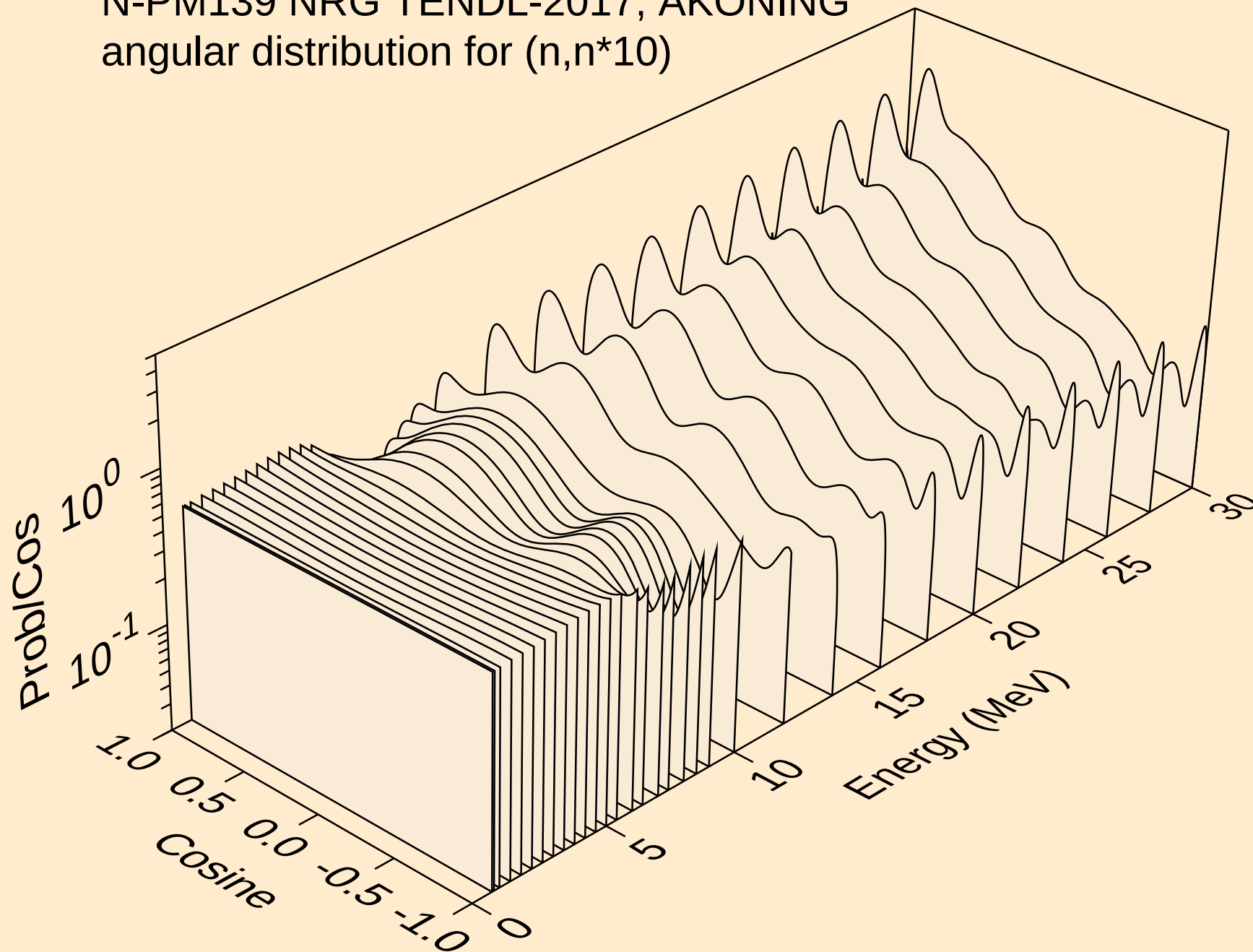
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angular distribution for (n,n*8)



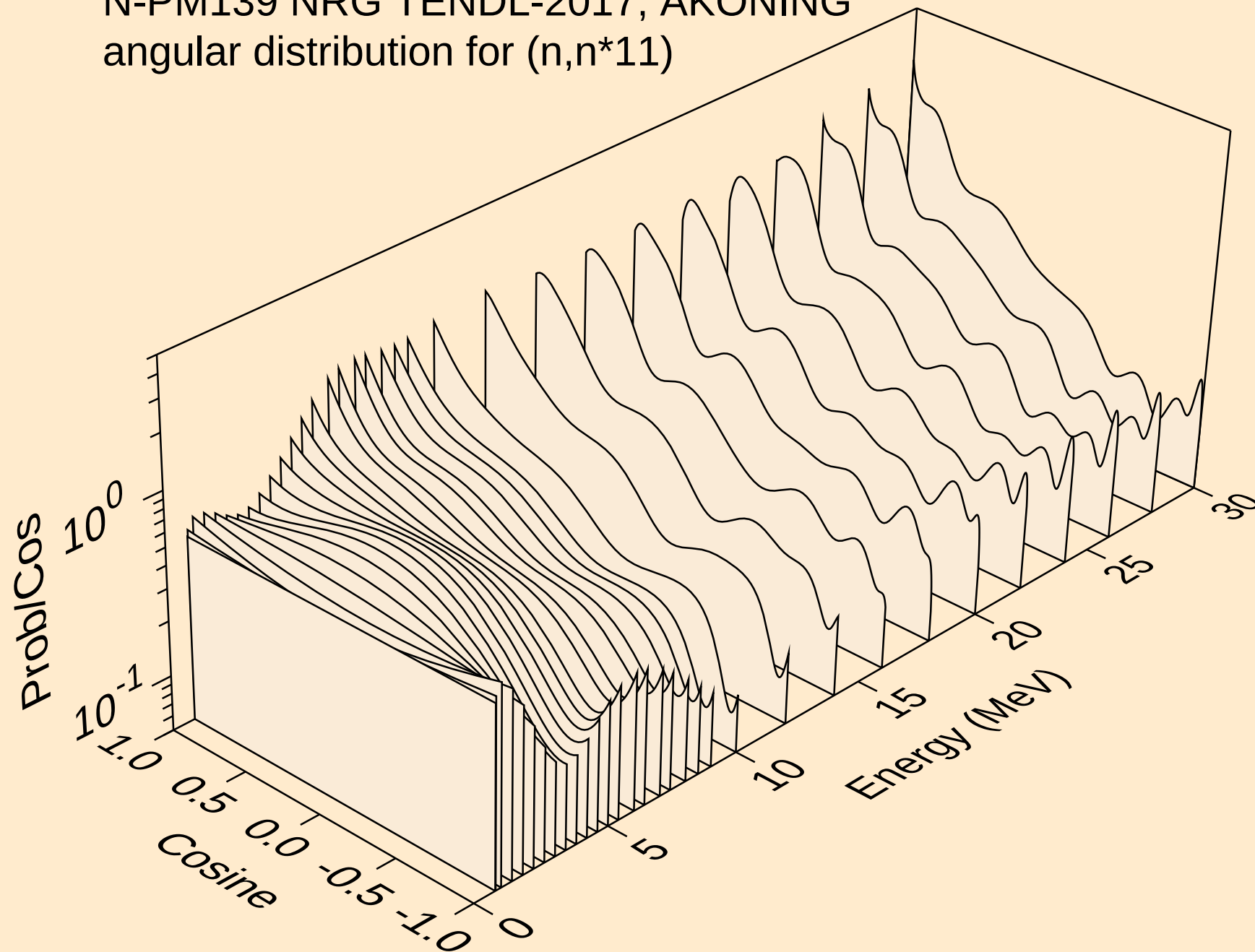
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angular distribution for (n,n*9)



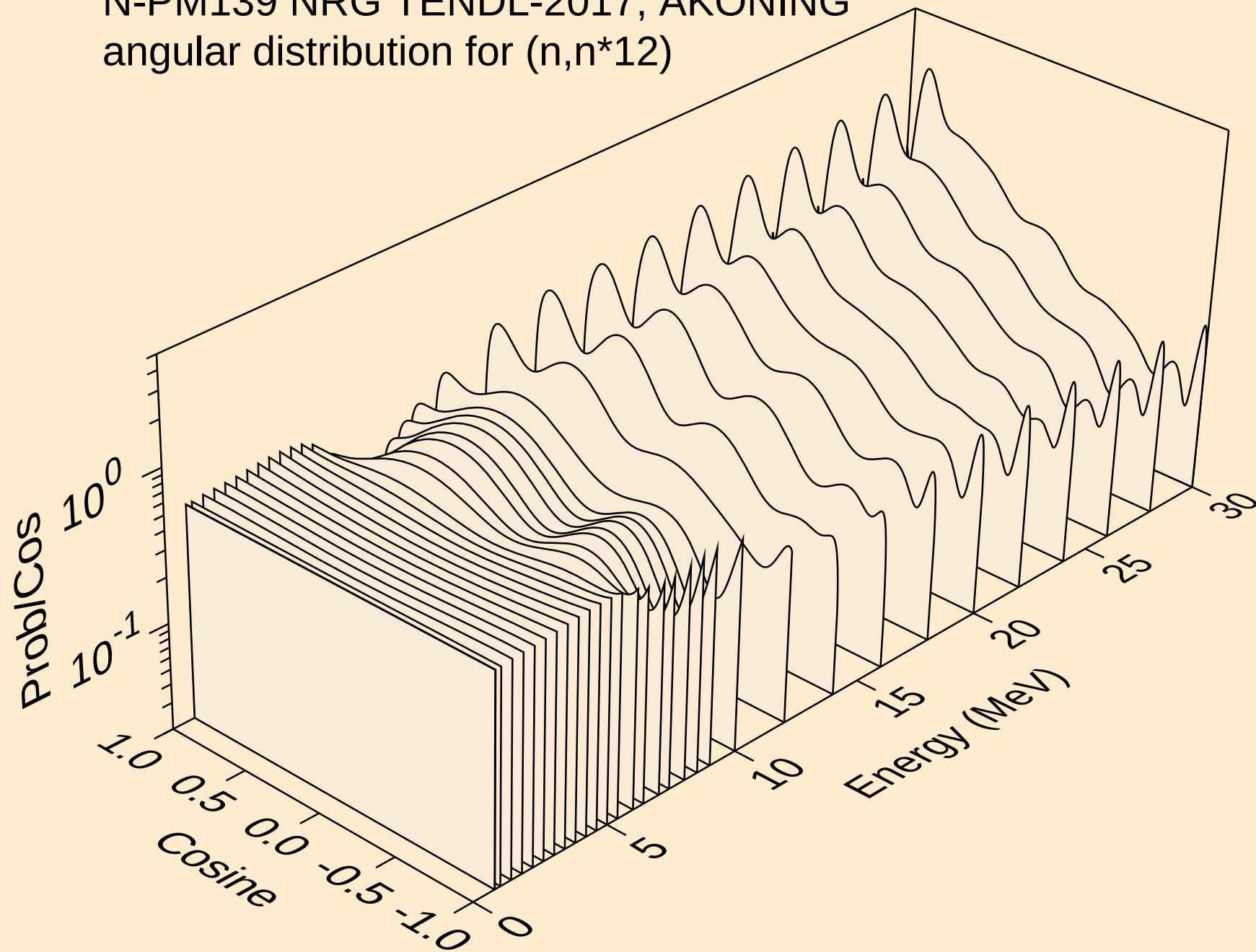
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angular distribution for (n,n*10)



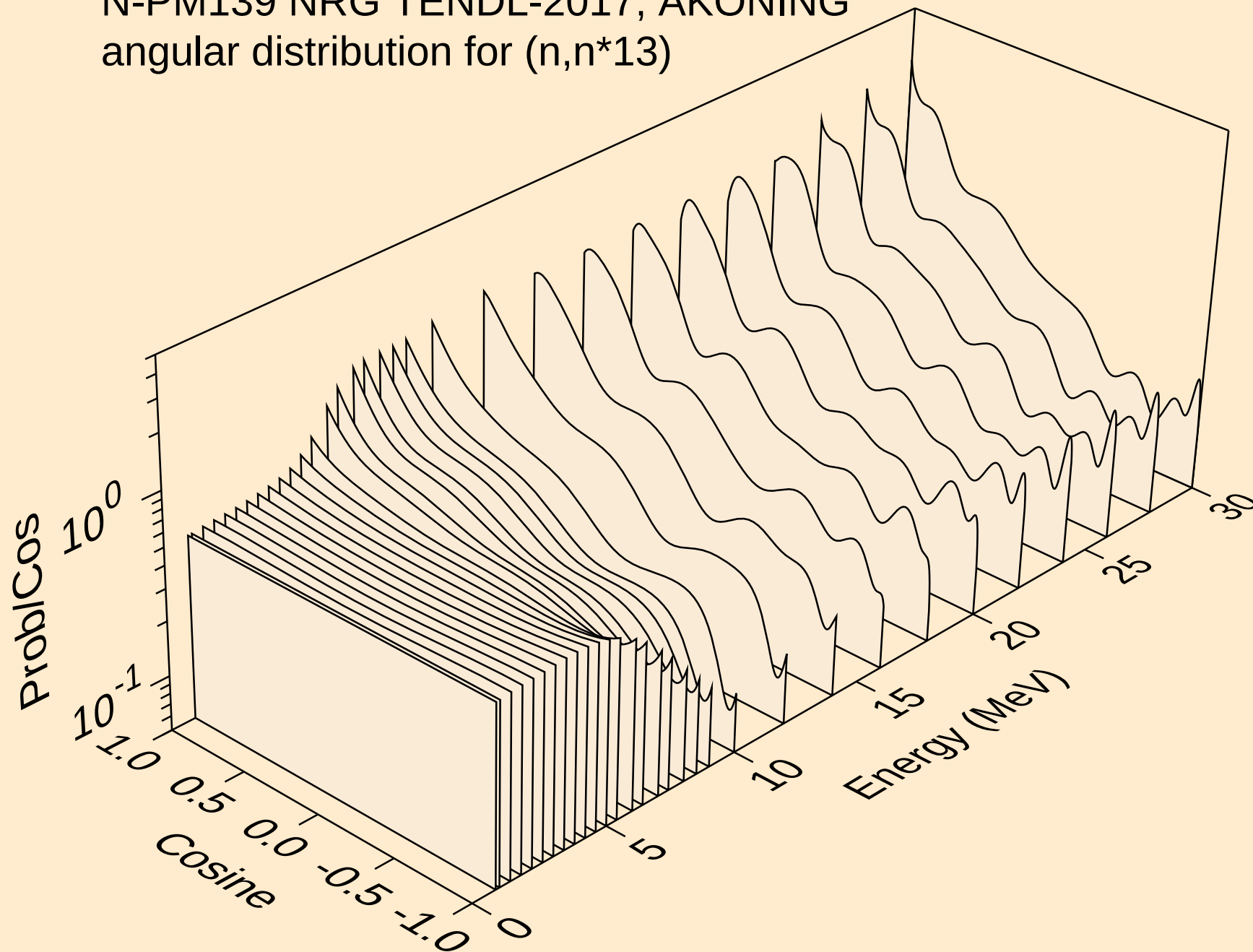
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angular distribution for (n,n*11)



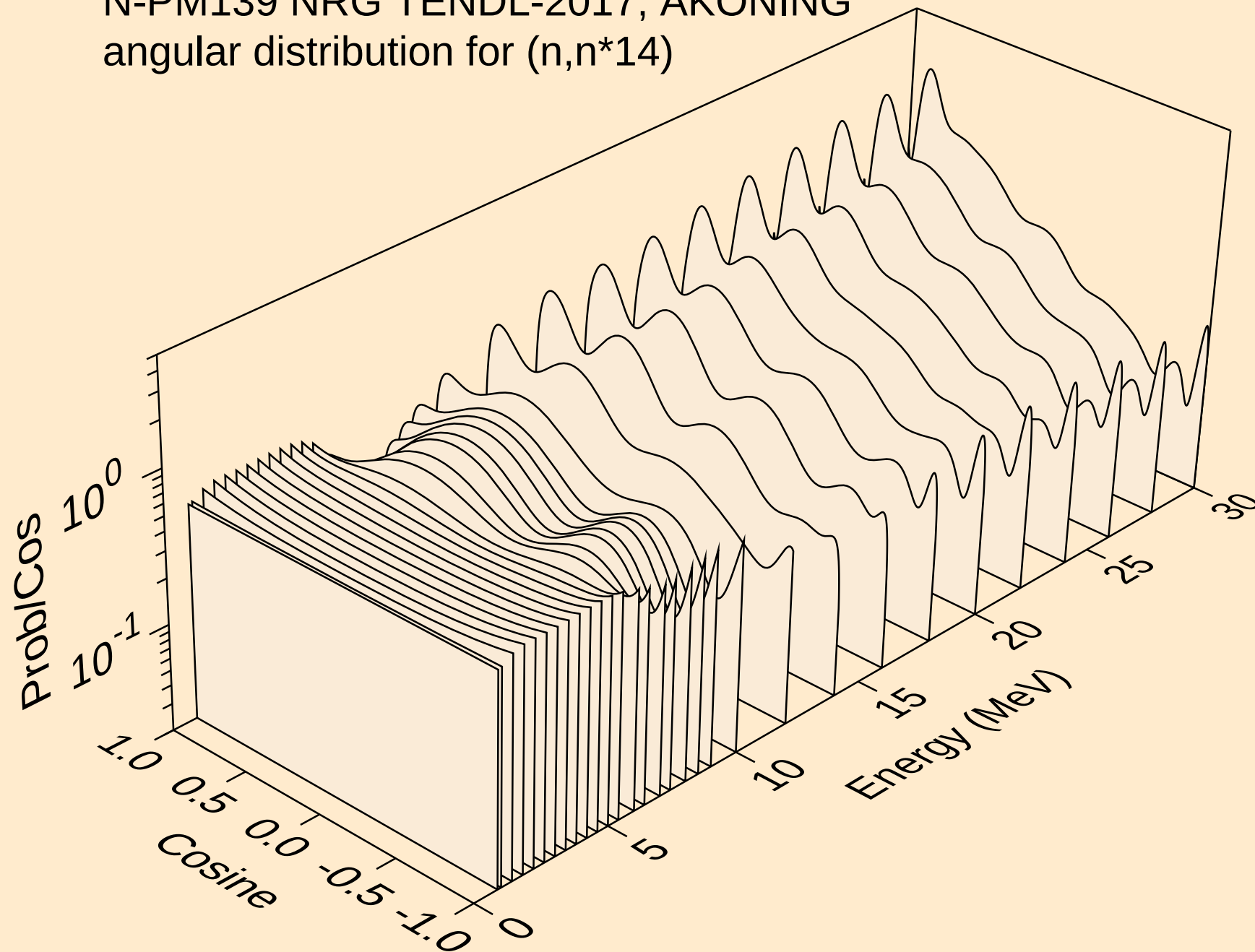
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angular distribution for (n,n*12)



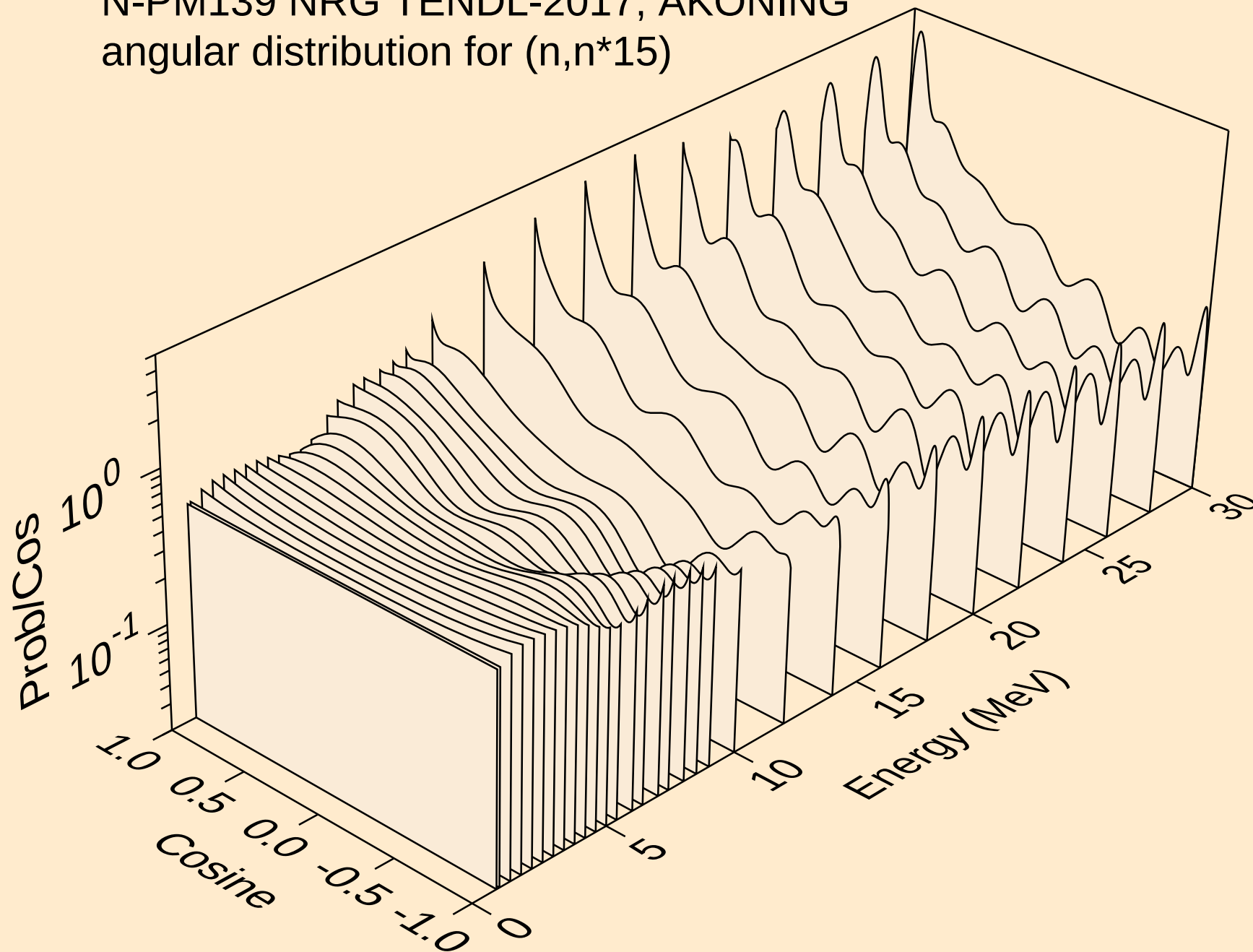
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angular distribution for (n,n*13)



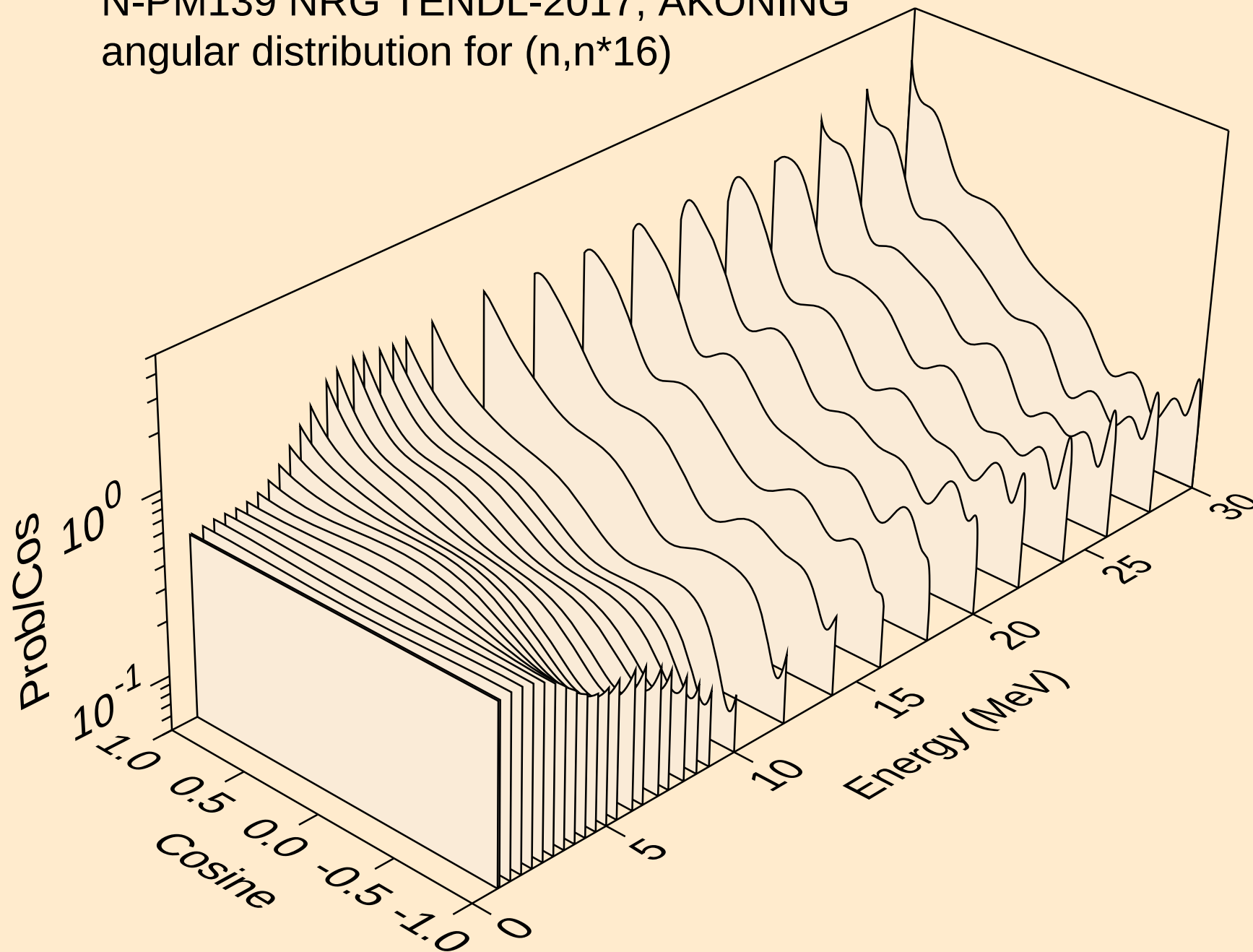
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angular distribution for (n,n*14)



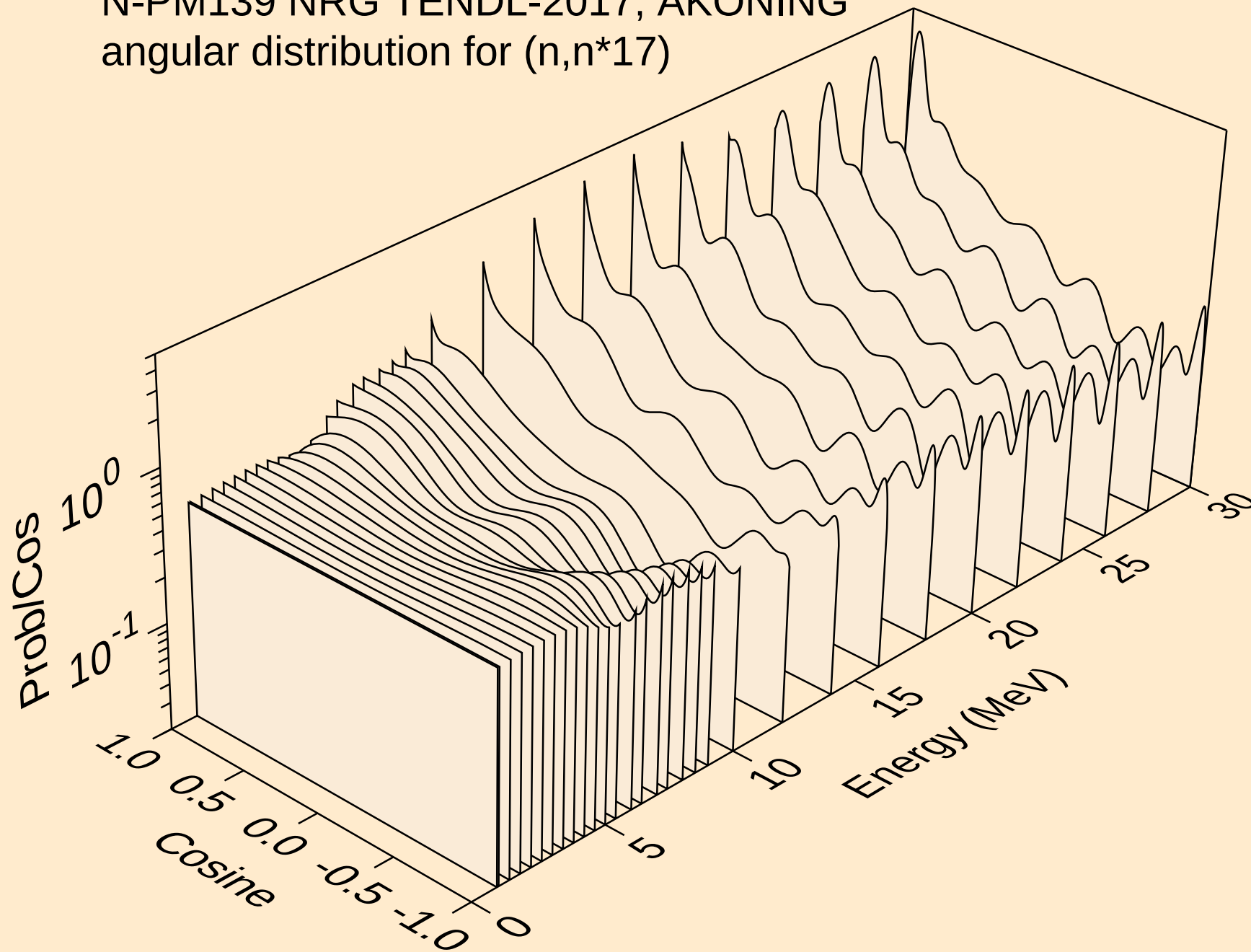
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*15)



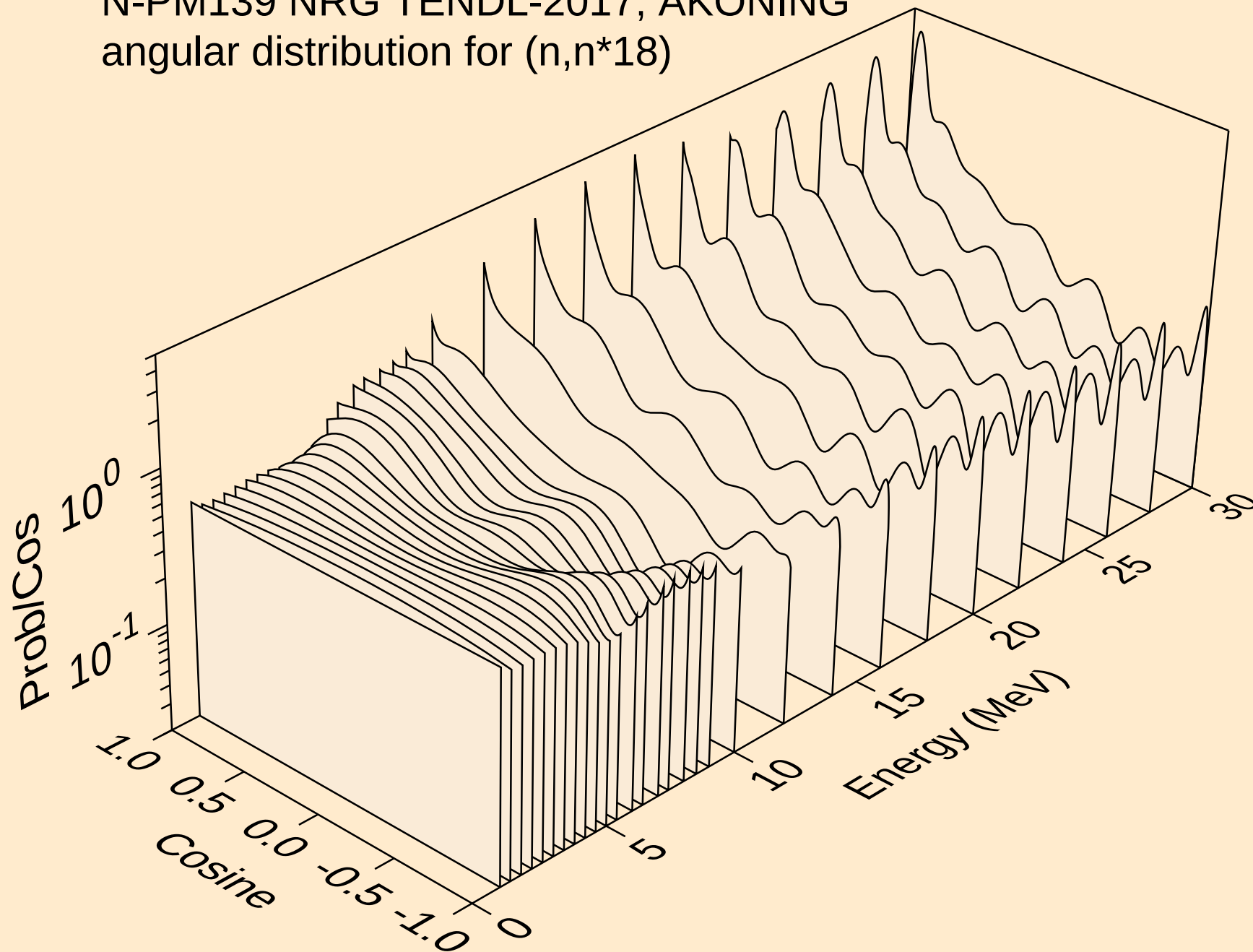
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angular distribution for (n,n*16)



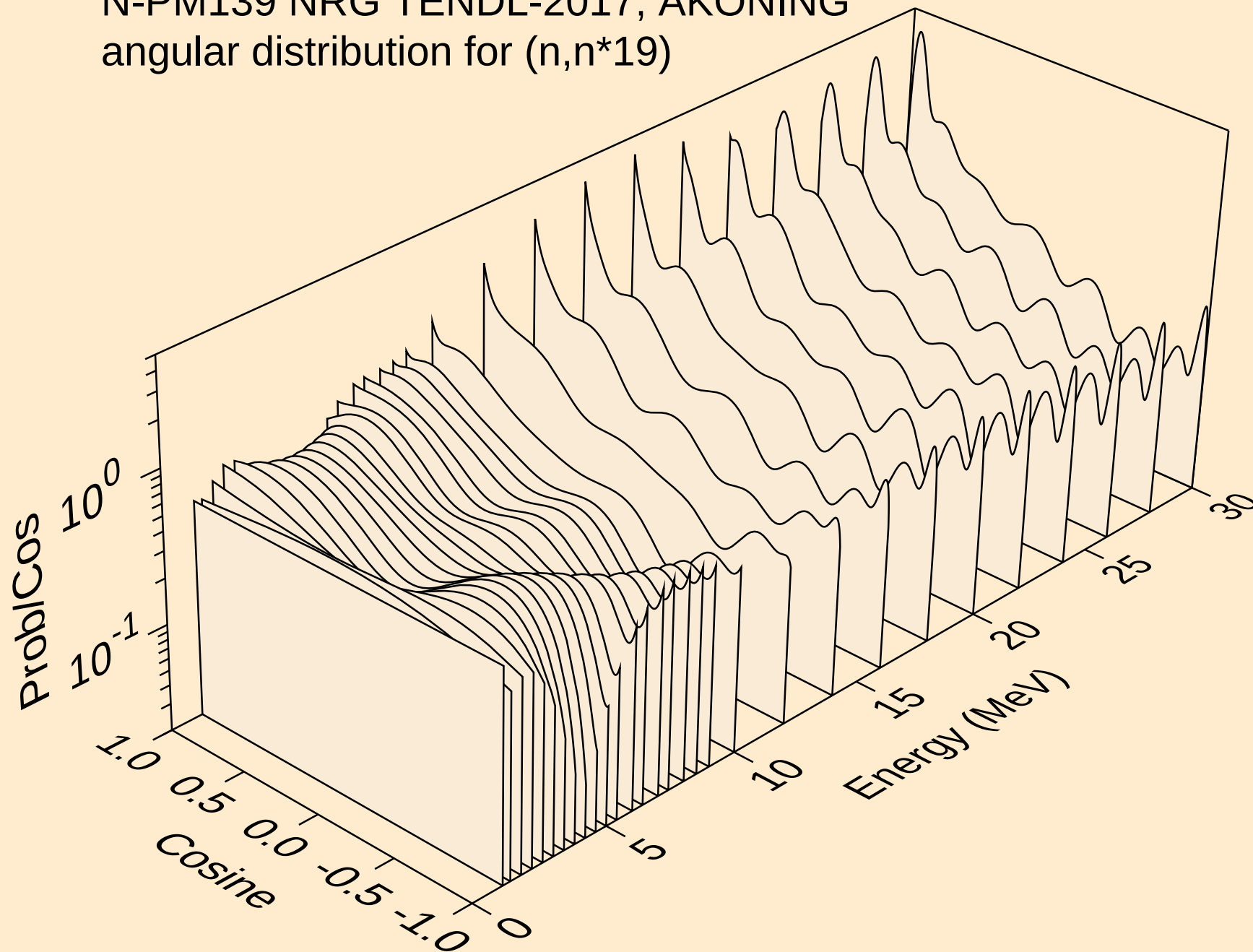
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angular distribution for (n,n*17)



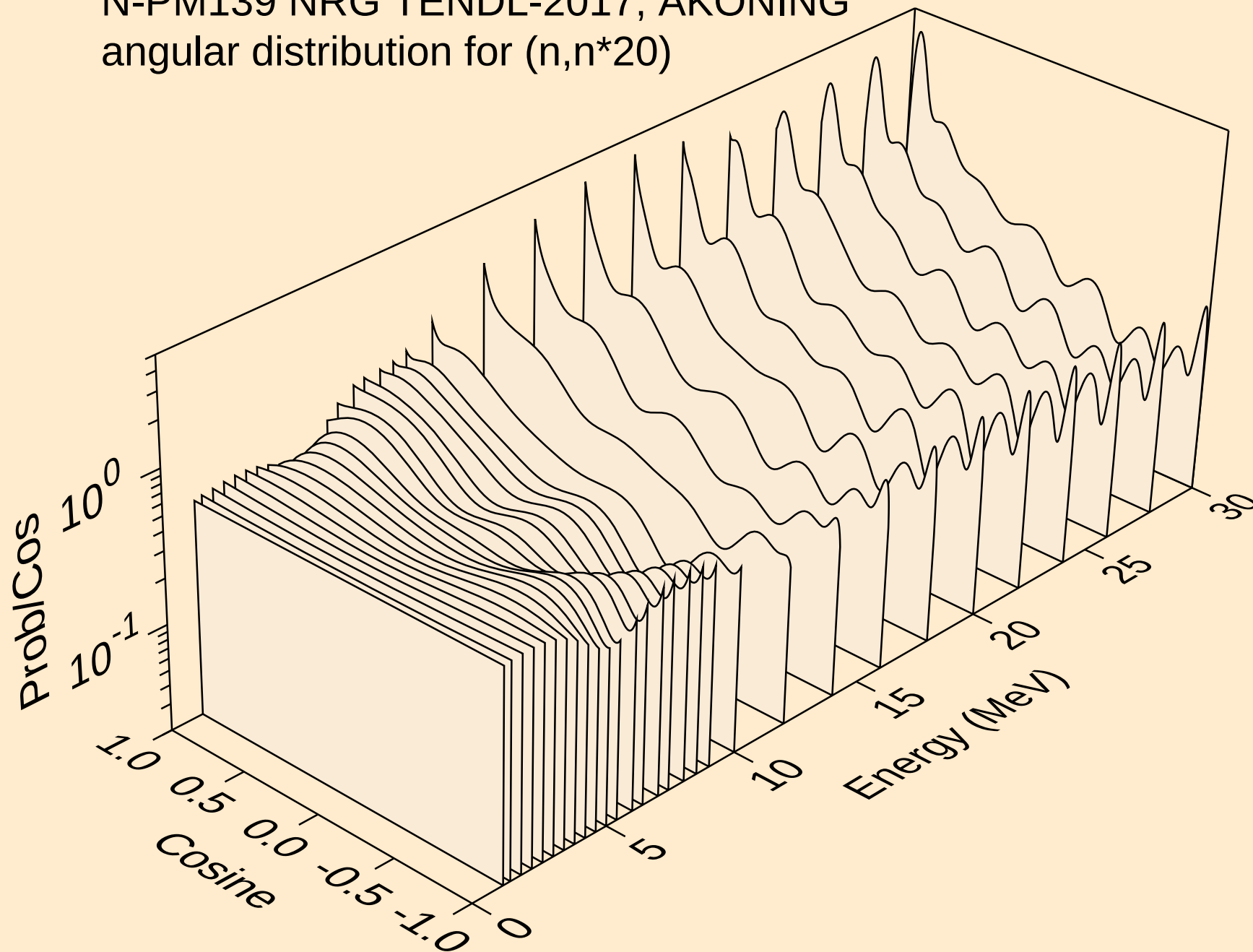
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angular distribution for (n,n*18)



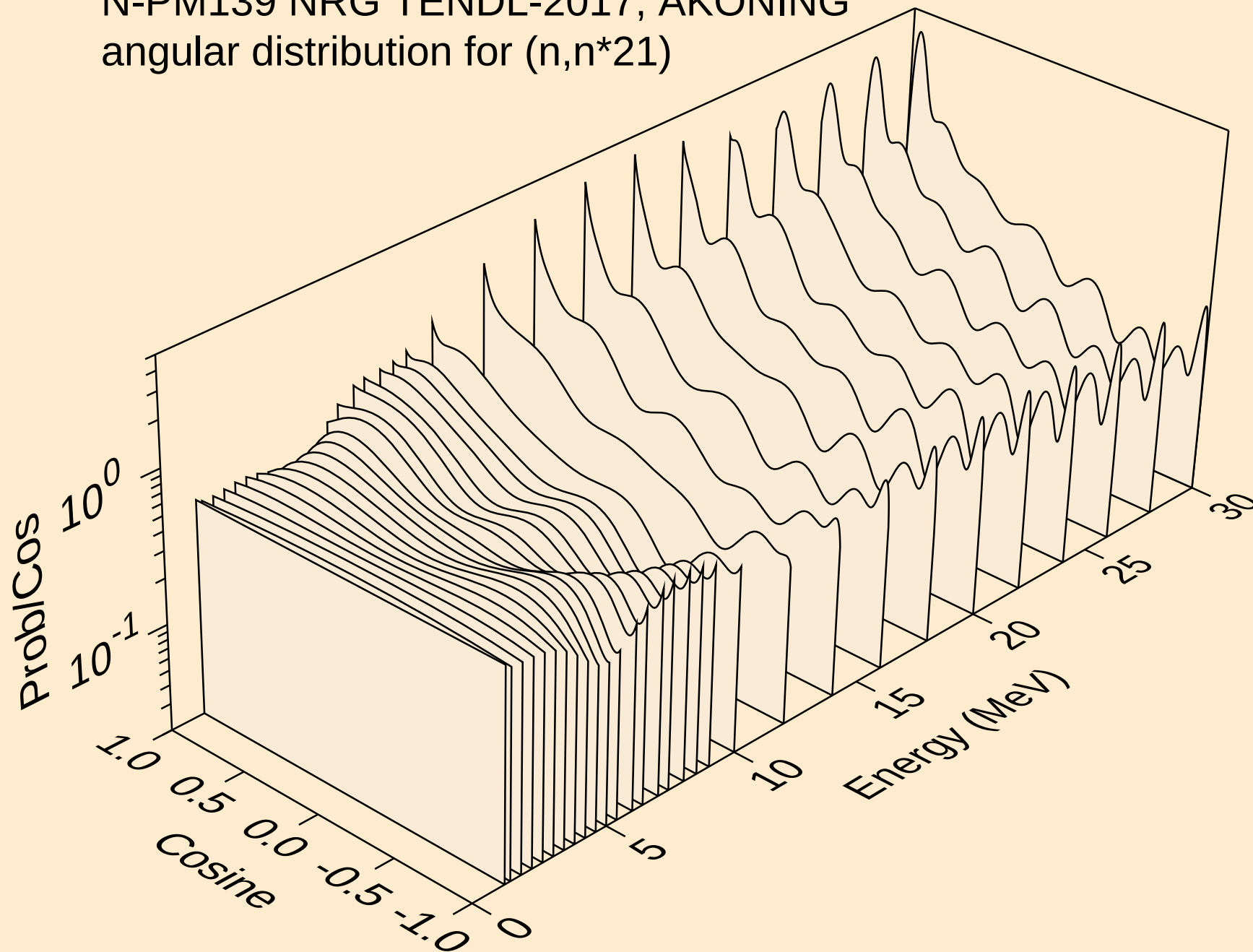
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angular distribution for (n,n*19)



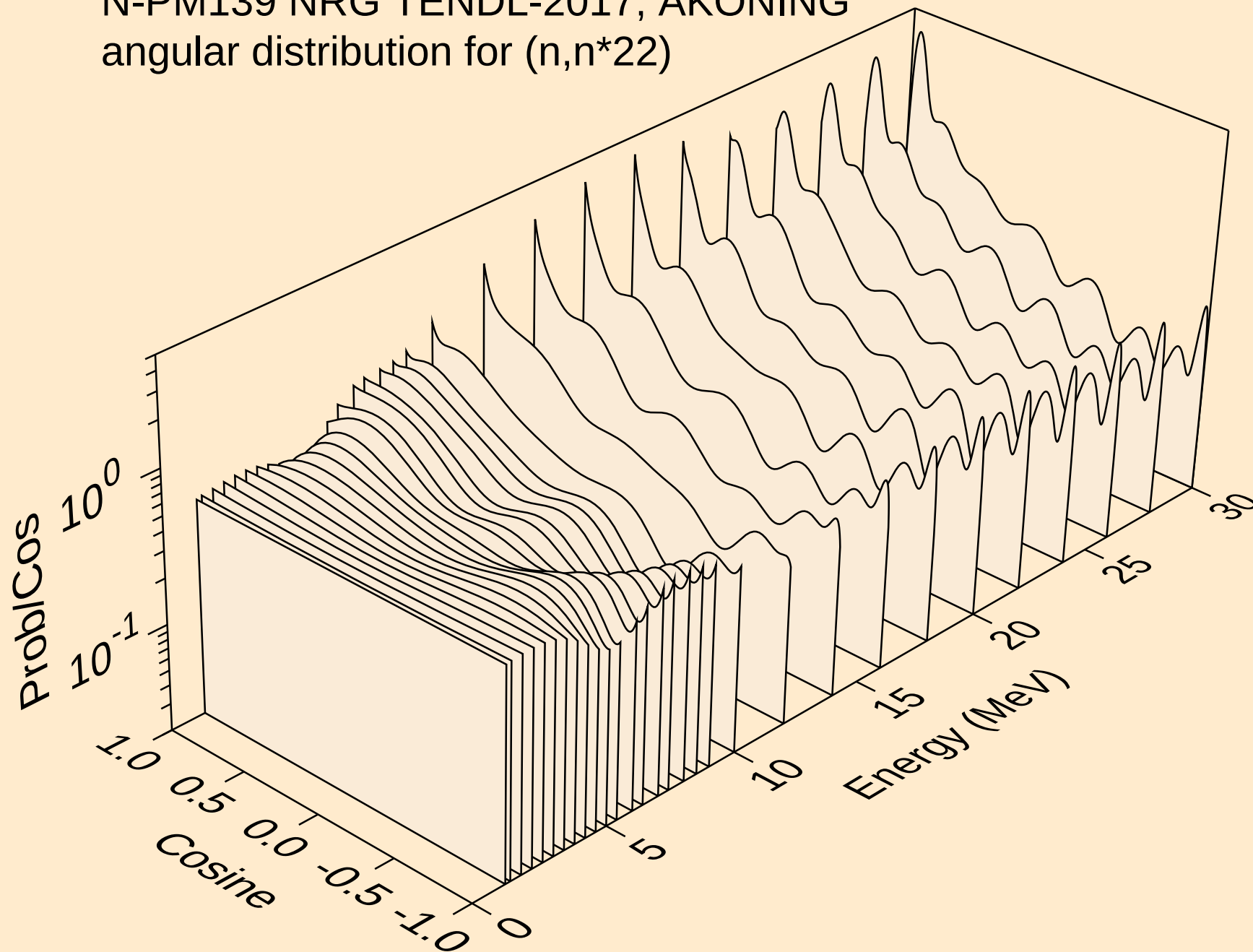
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angular distribution for (n,n*20)



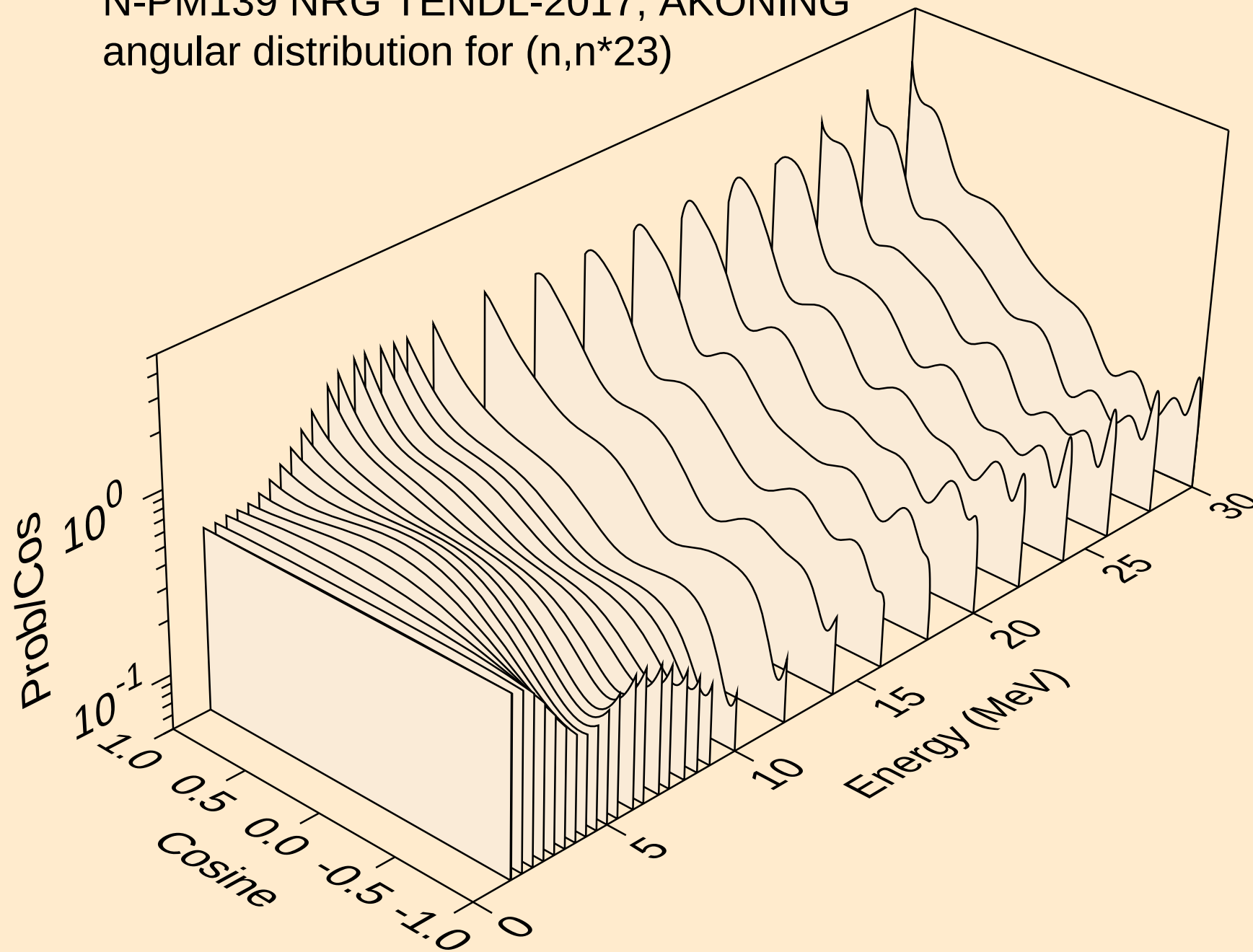
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angular distribution for (n,n*21)



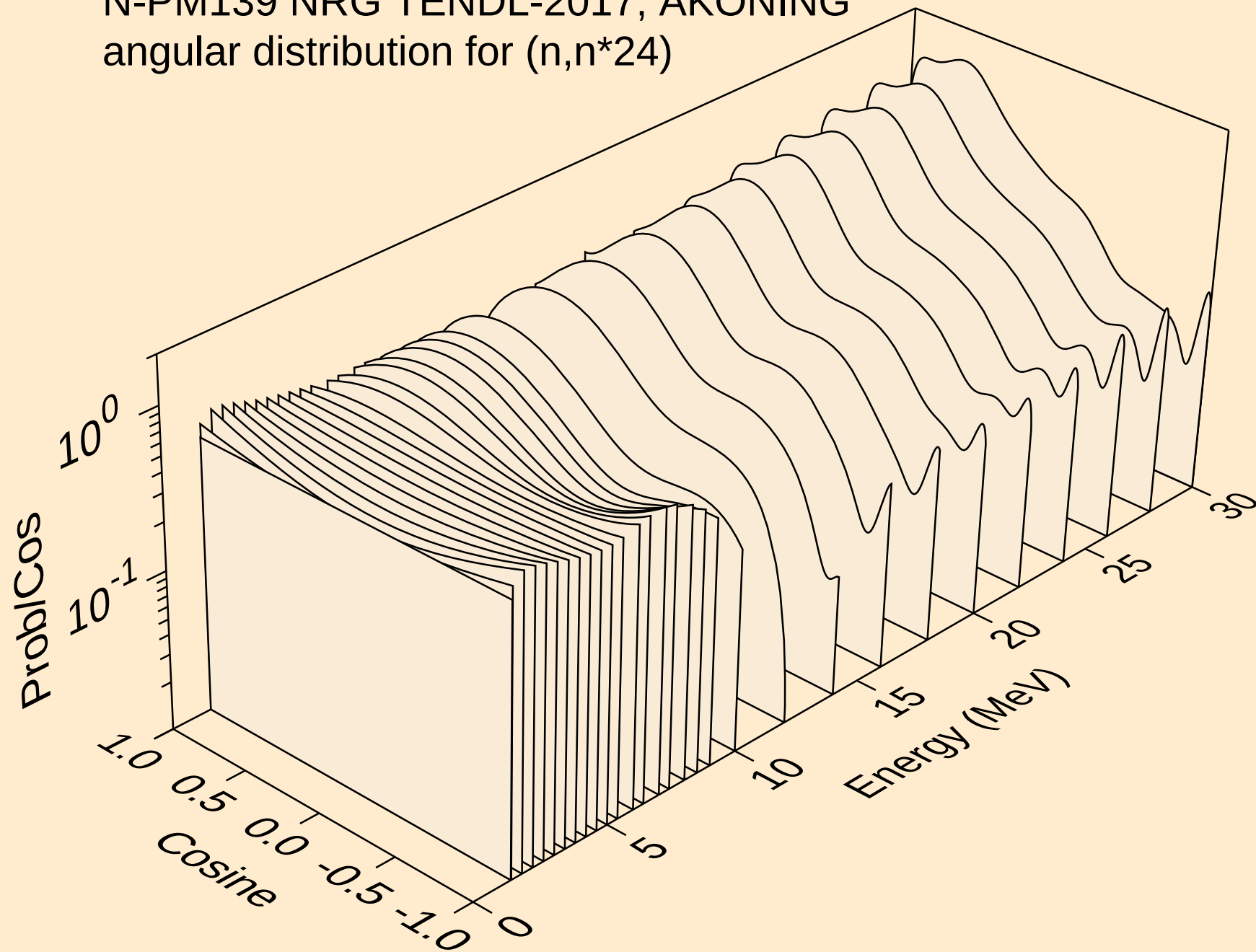
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angular distribution for (n,n*22)



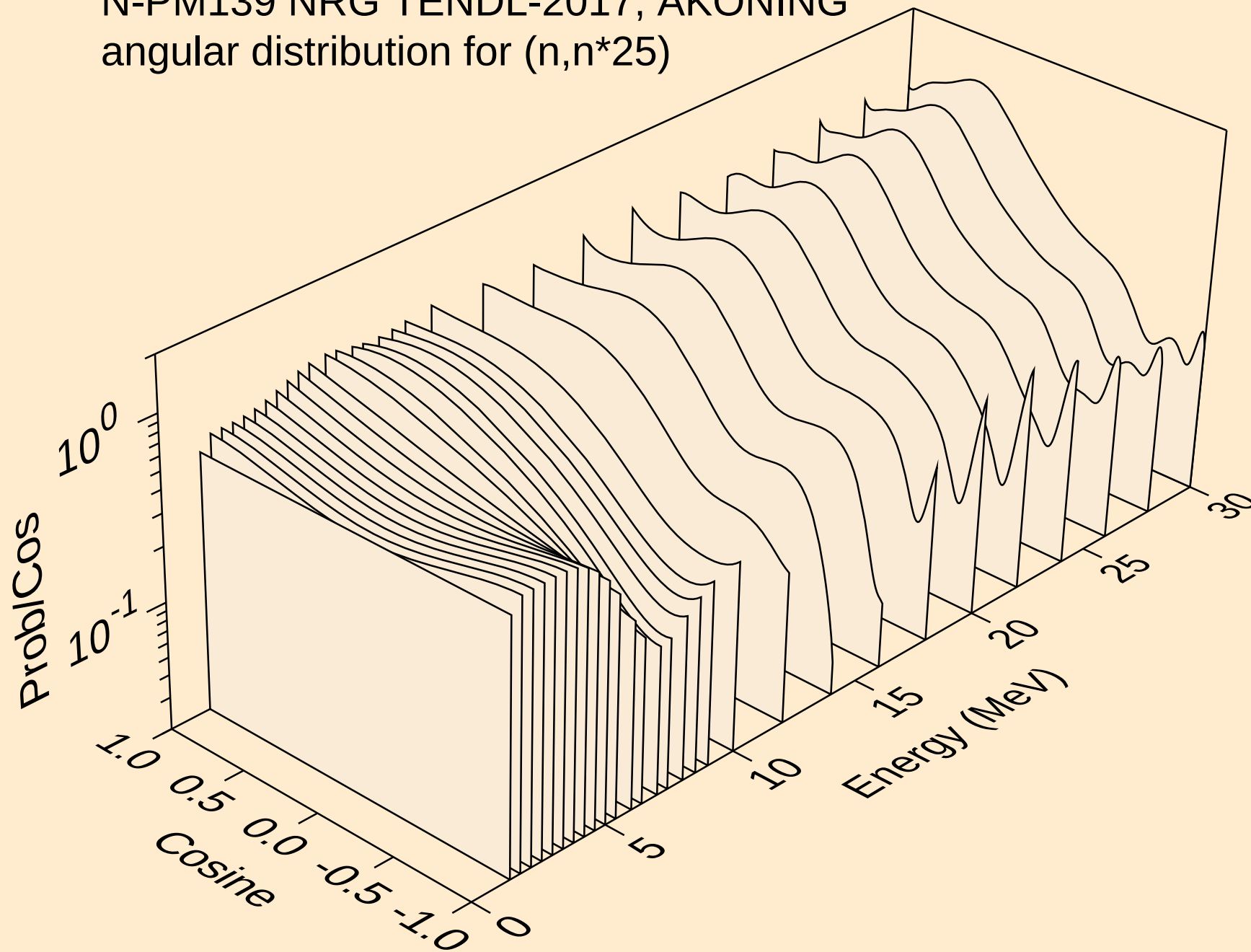
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angular distribution for (n,n*23)



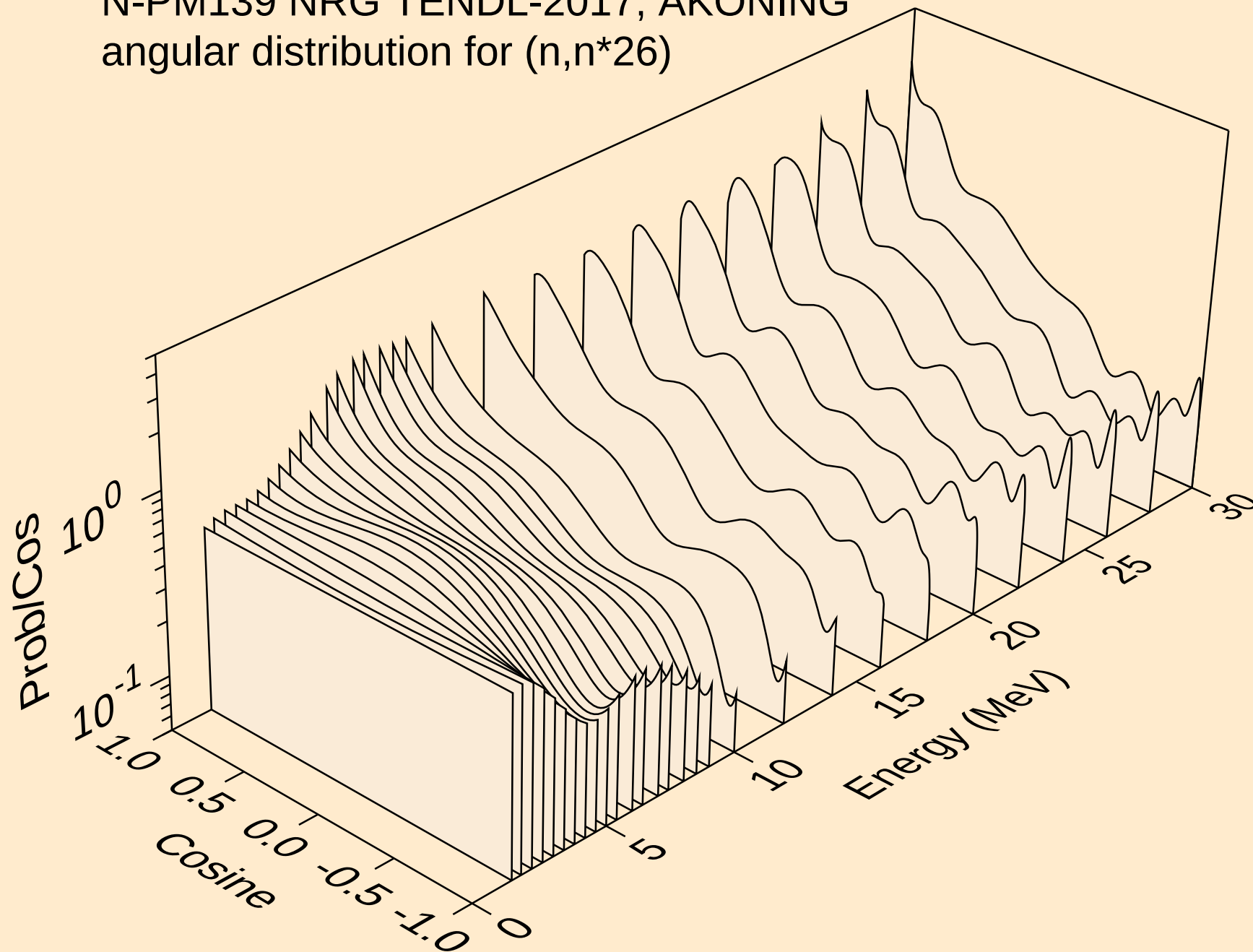
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angular distribution for (n,n*24)



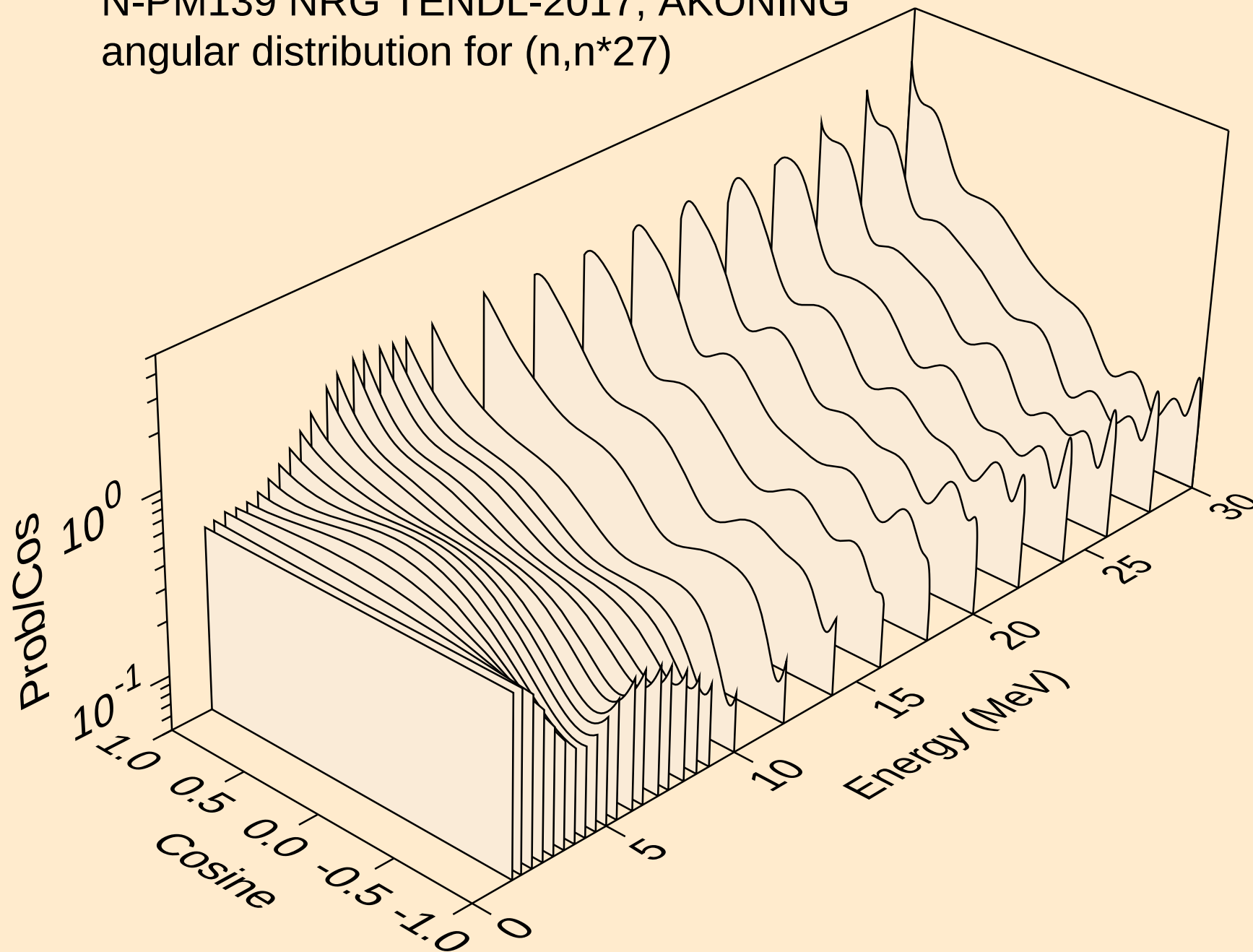
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*25)



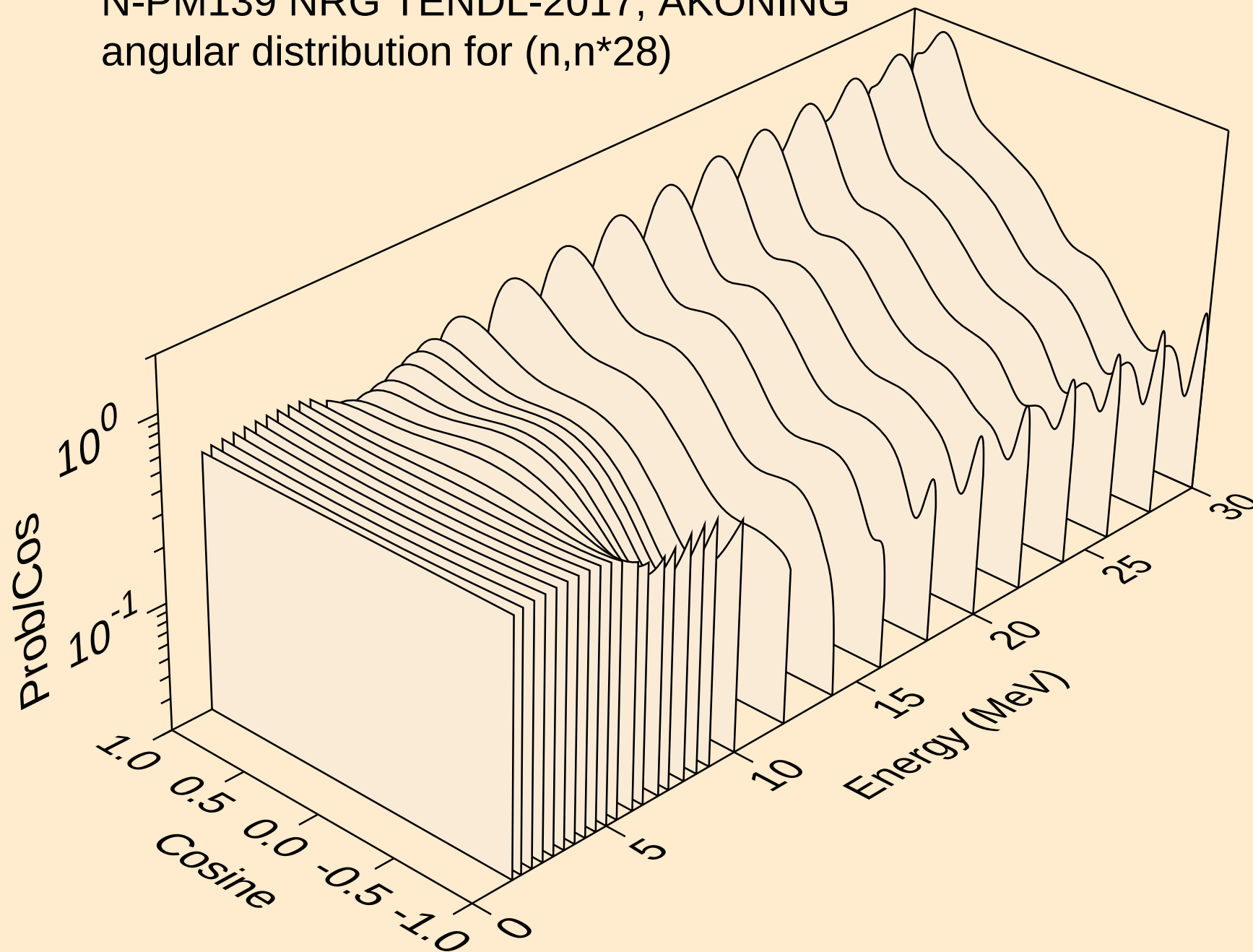
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angular distribution for (n,n*26)



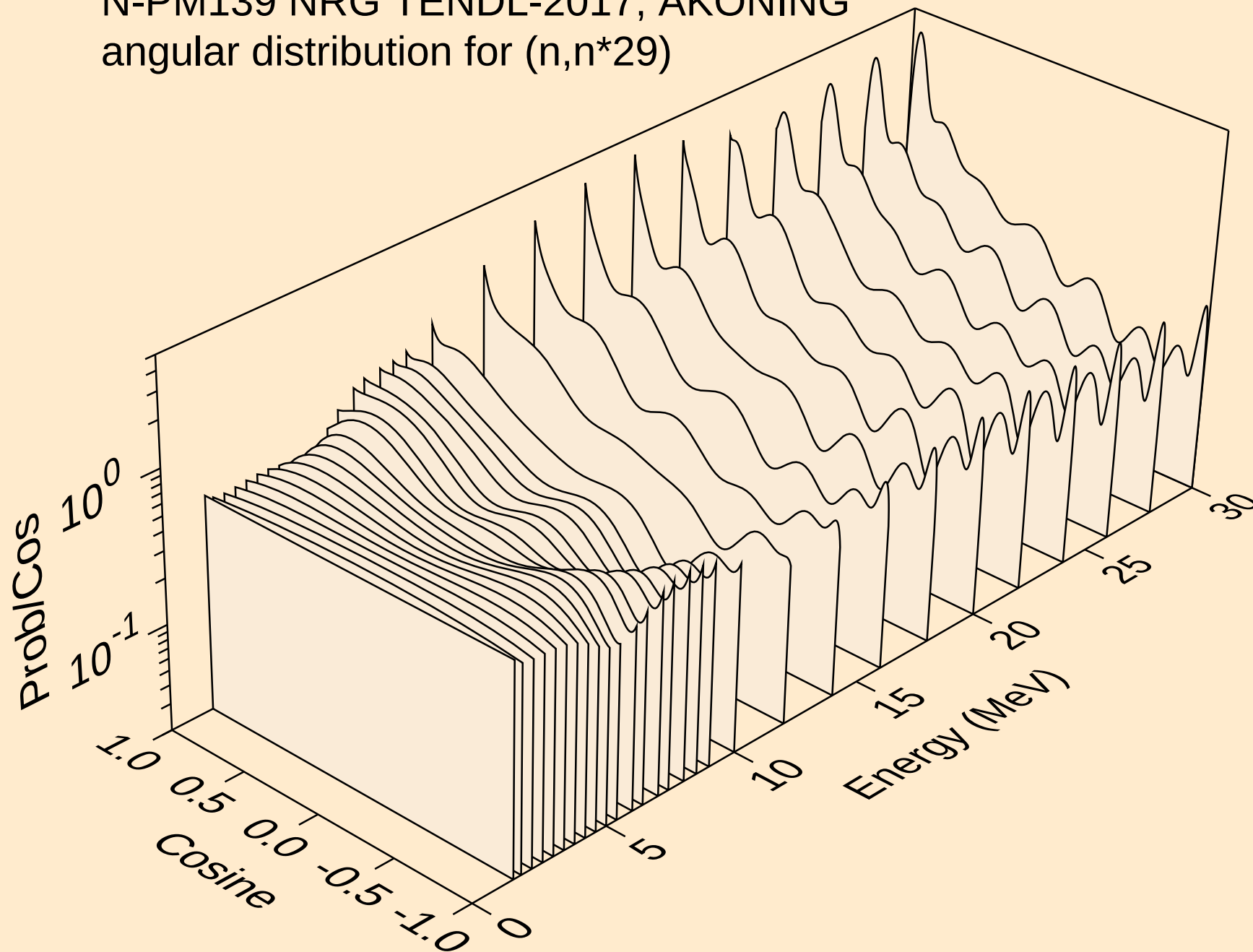
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angular distribution for (n,n*27)



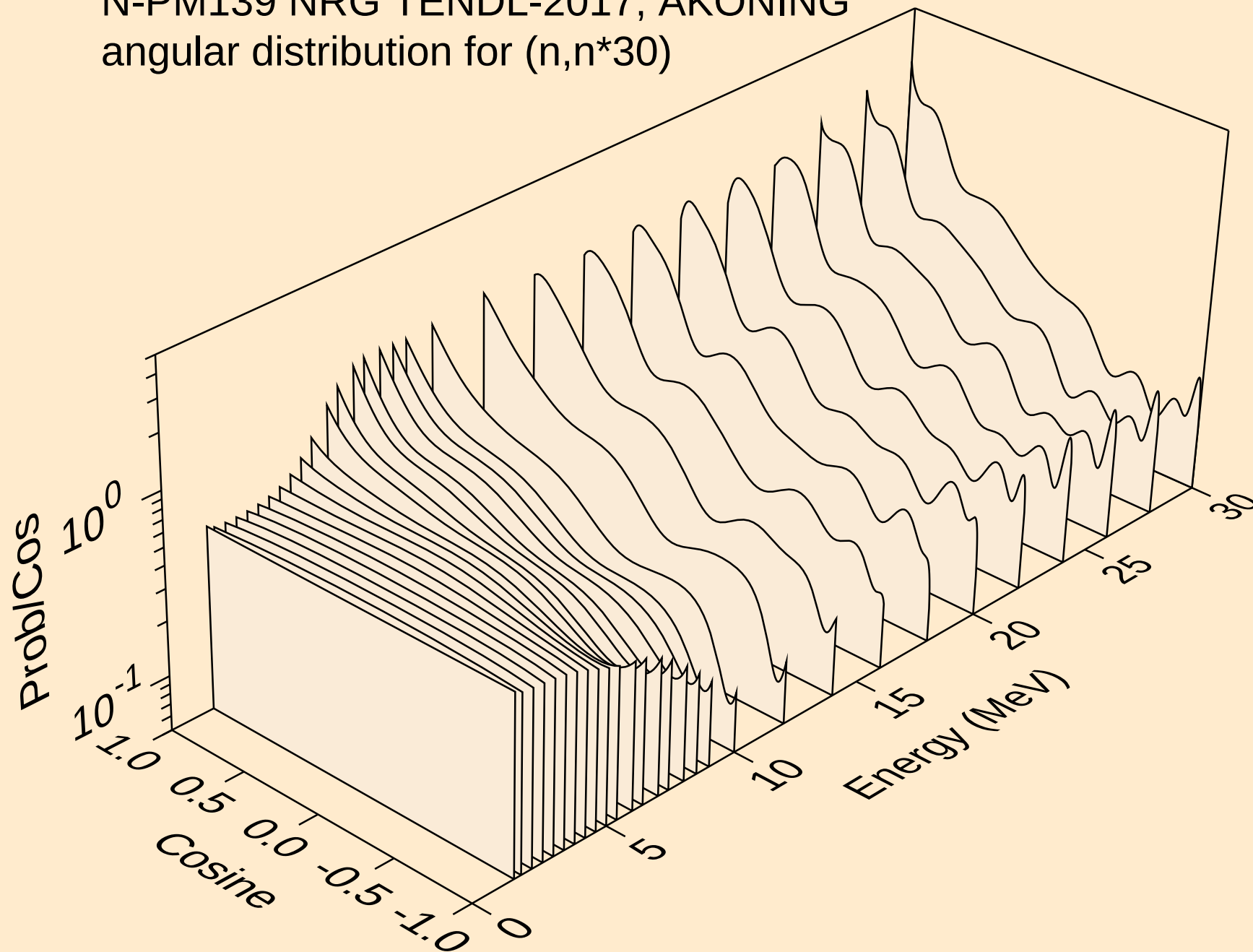
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*28)



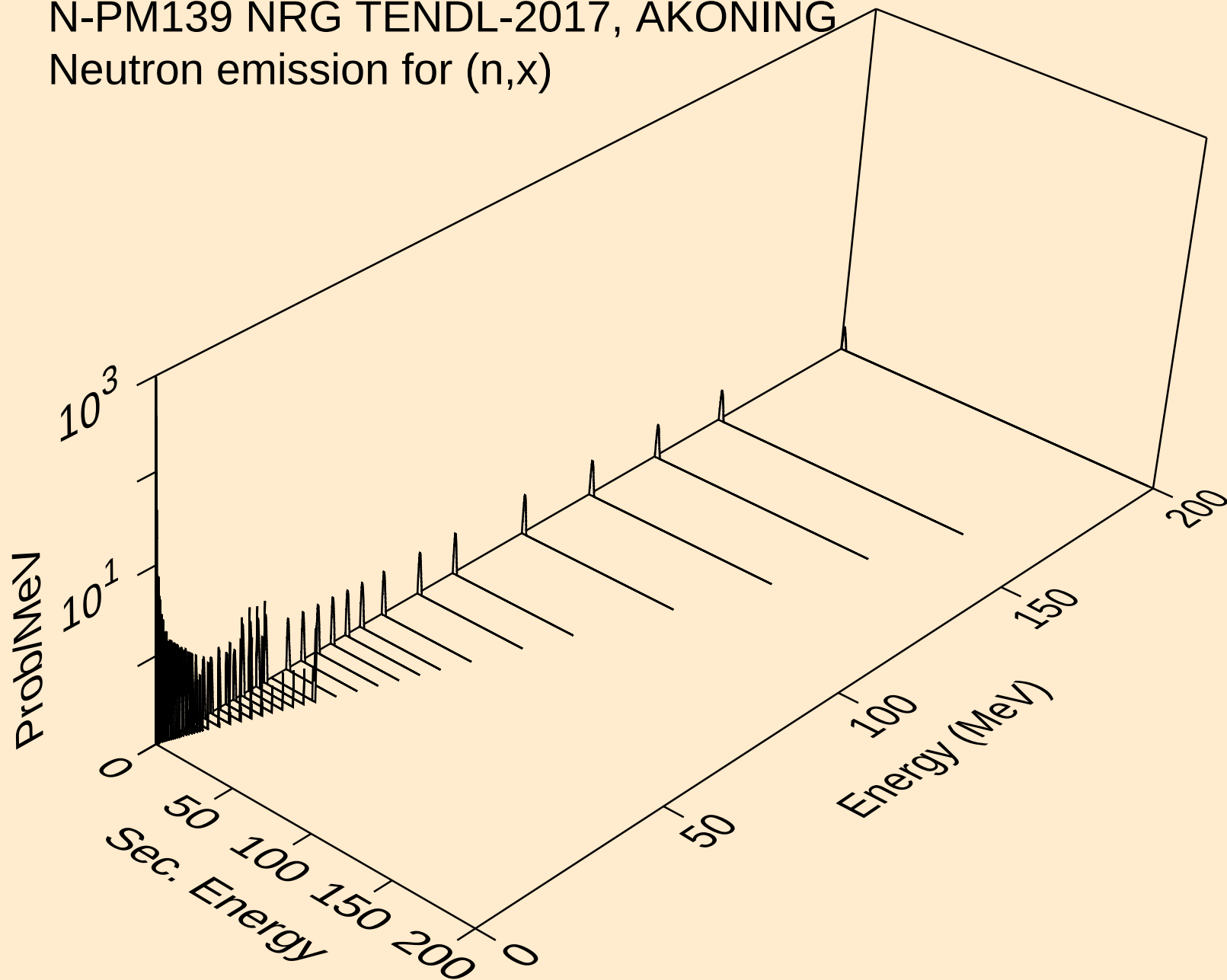
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*29)



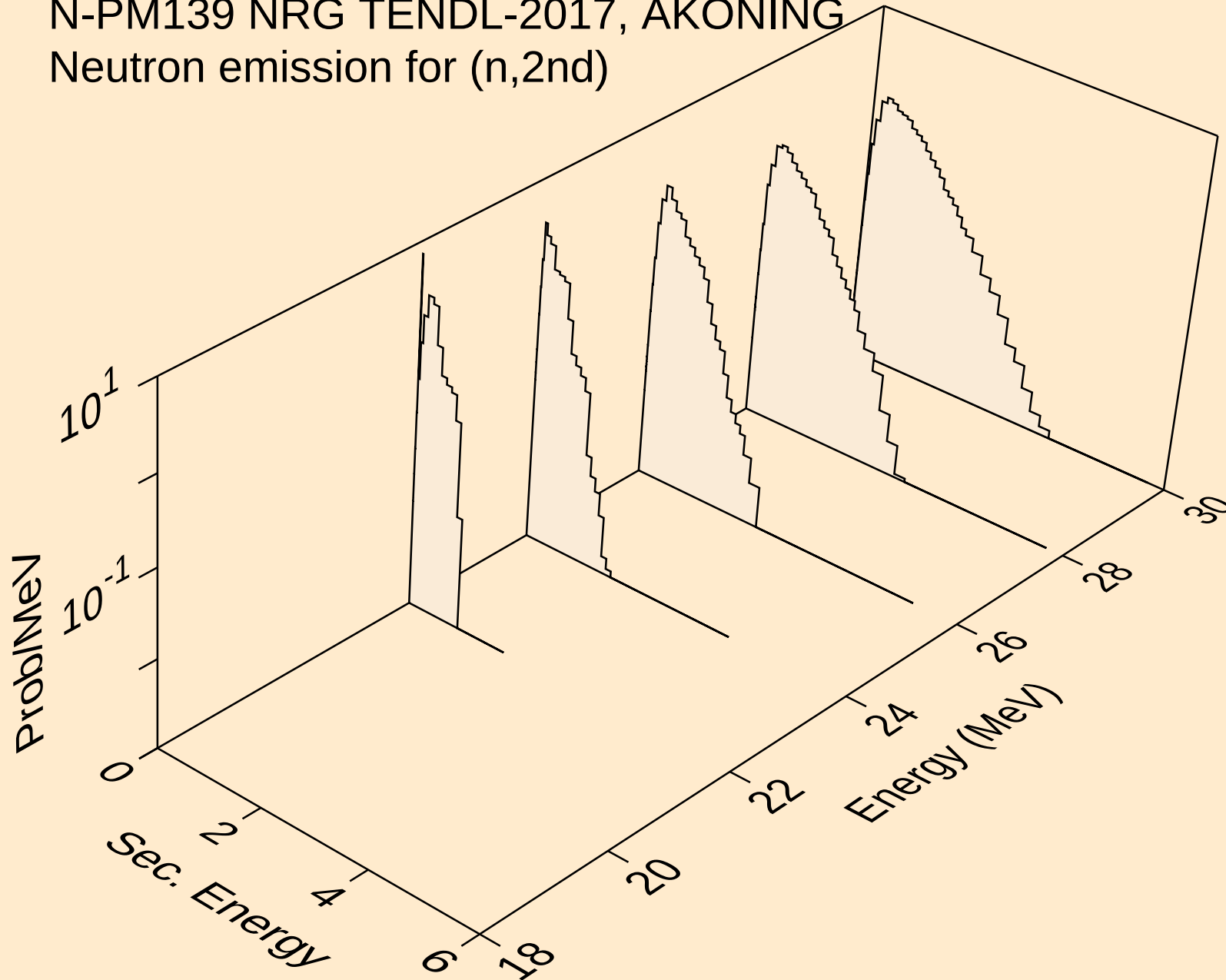
N-PM139 NRG TENDL-2017, AKONING
angular distribution for (n,n*30)



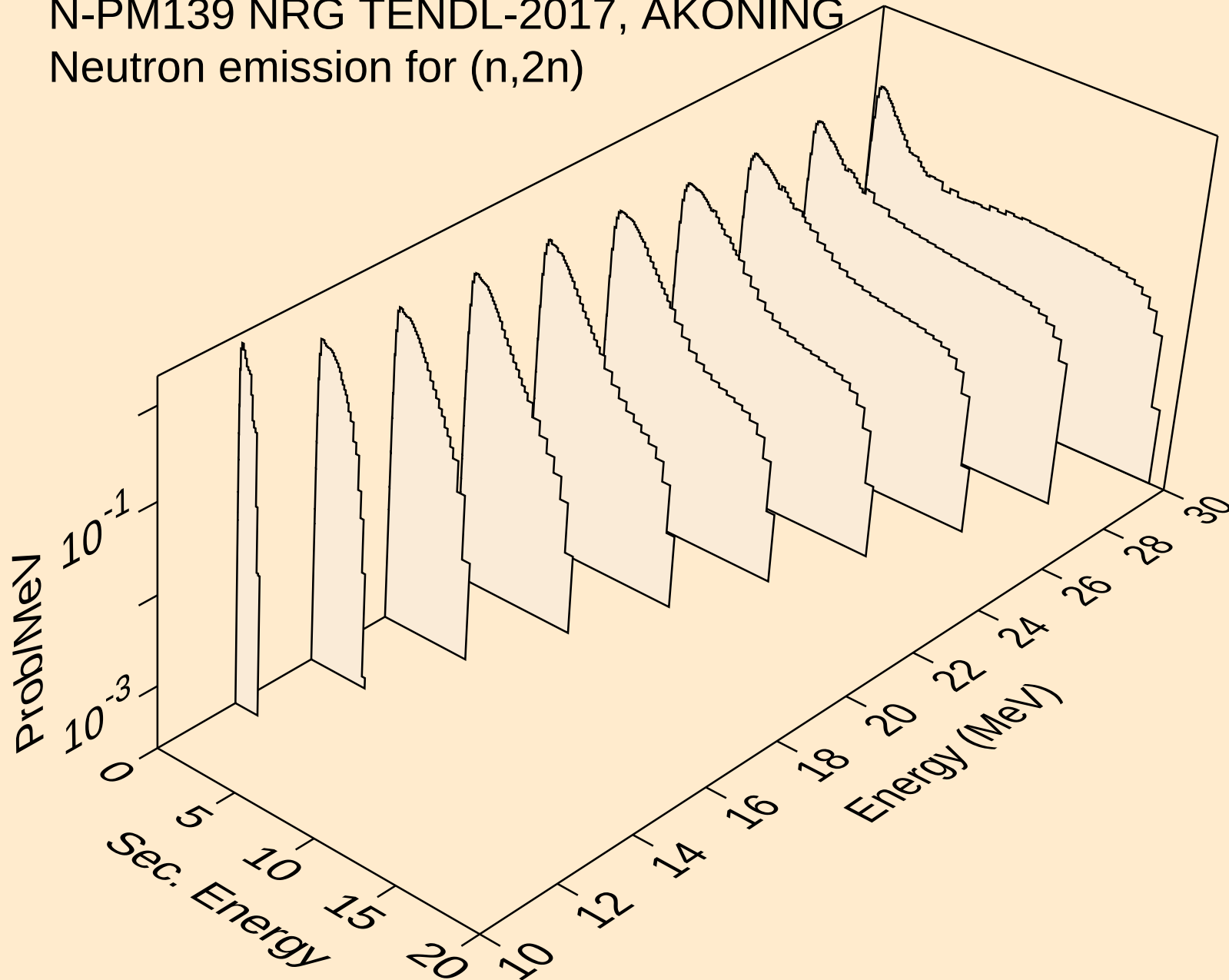
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,x)



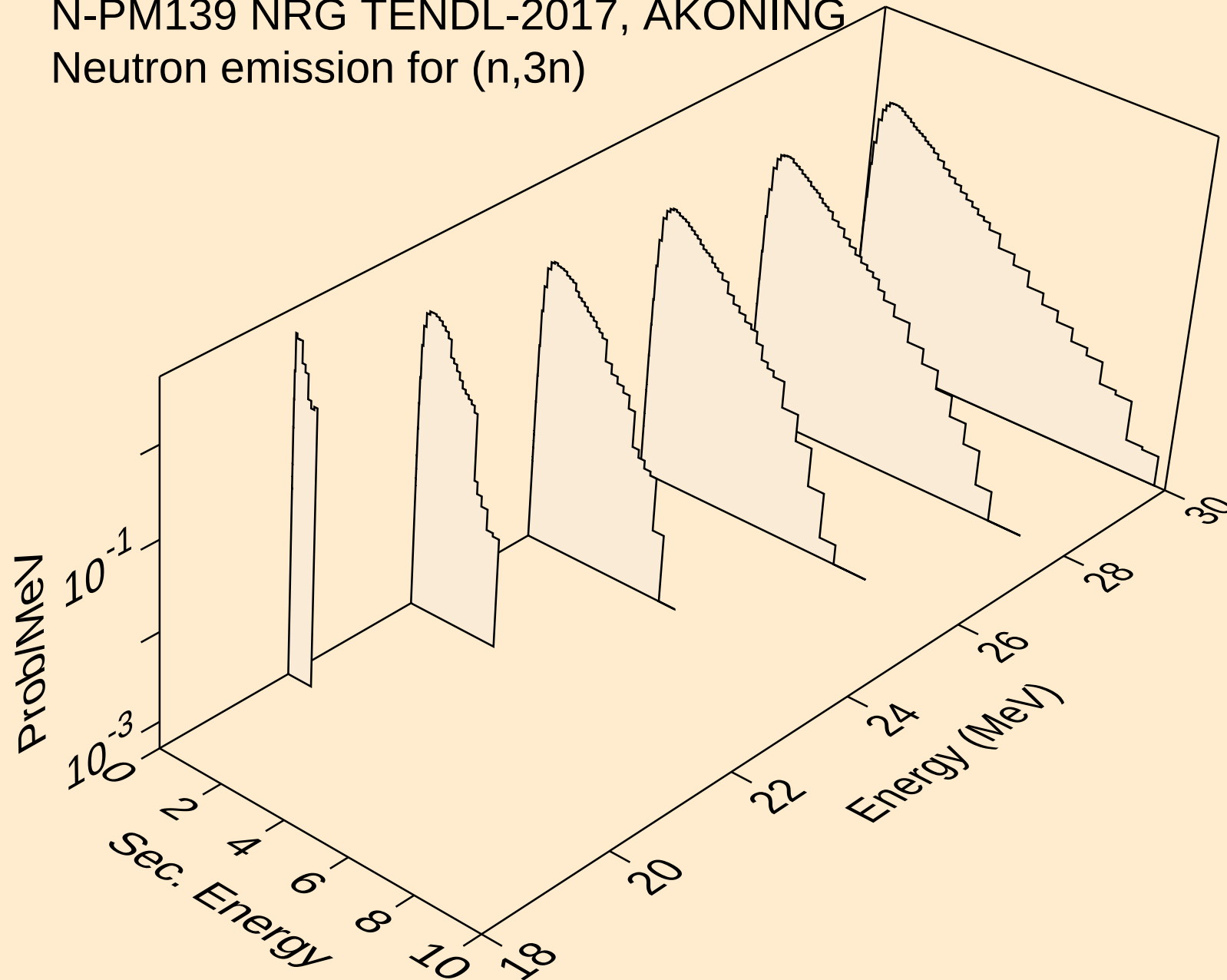
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,2nd)



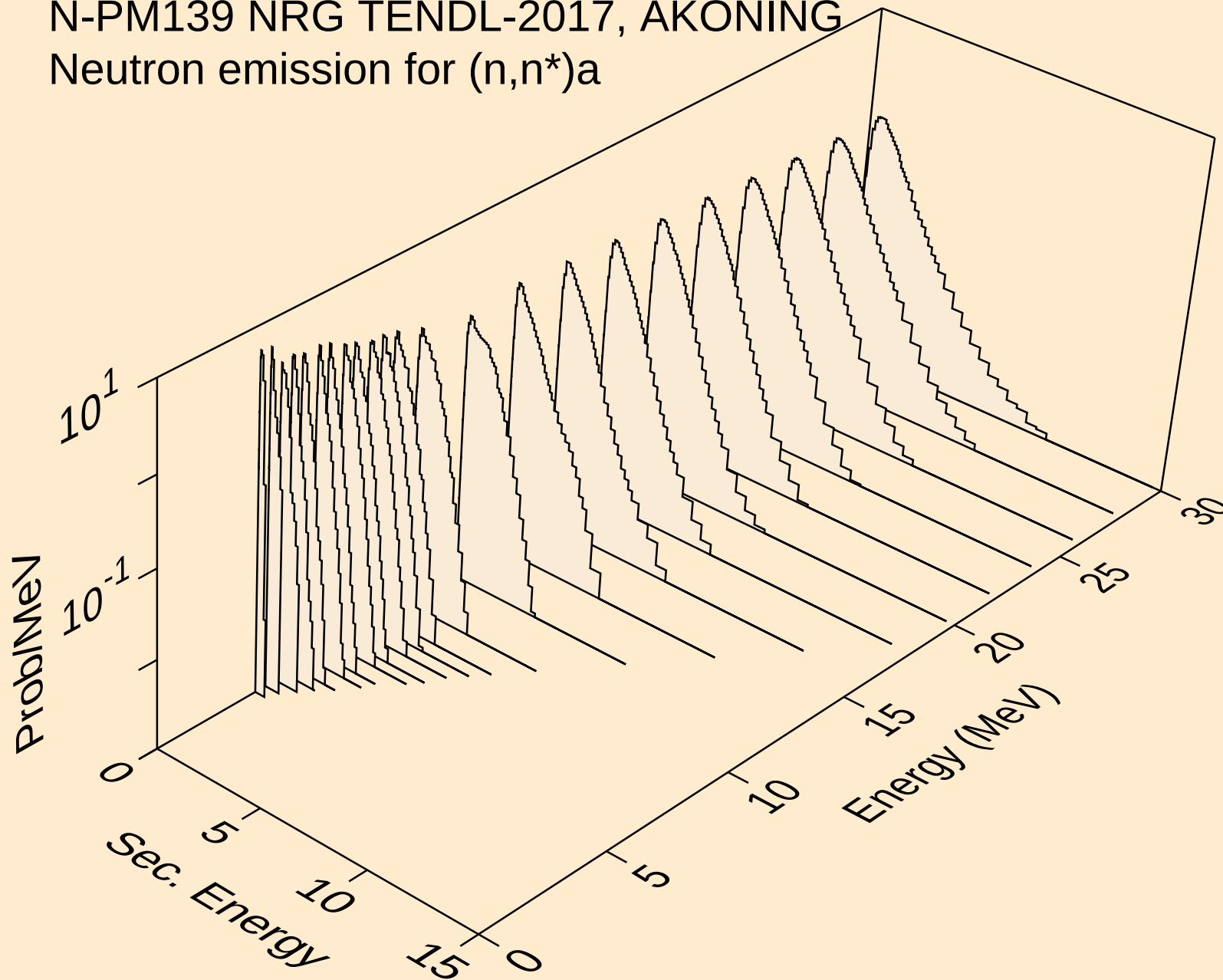
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,2n)



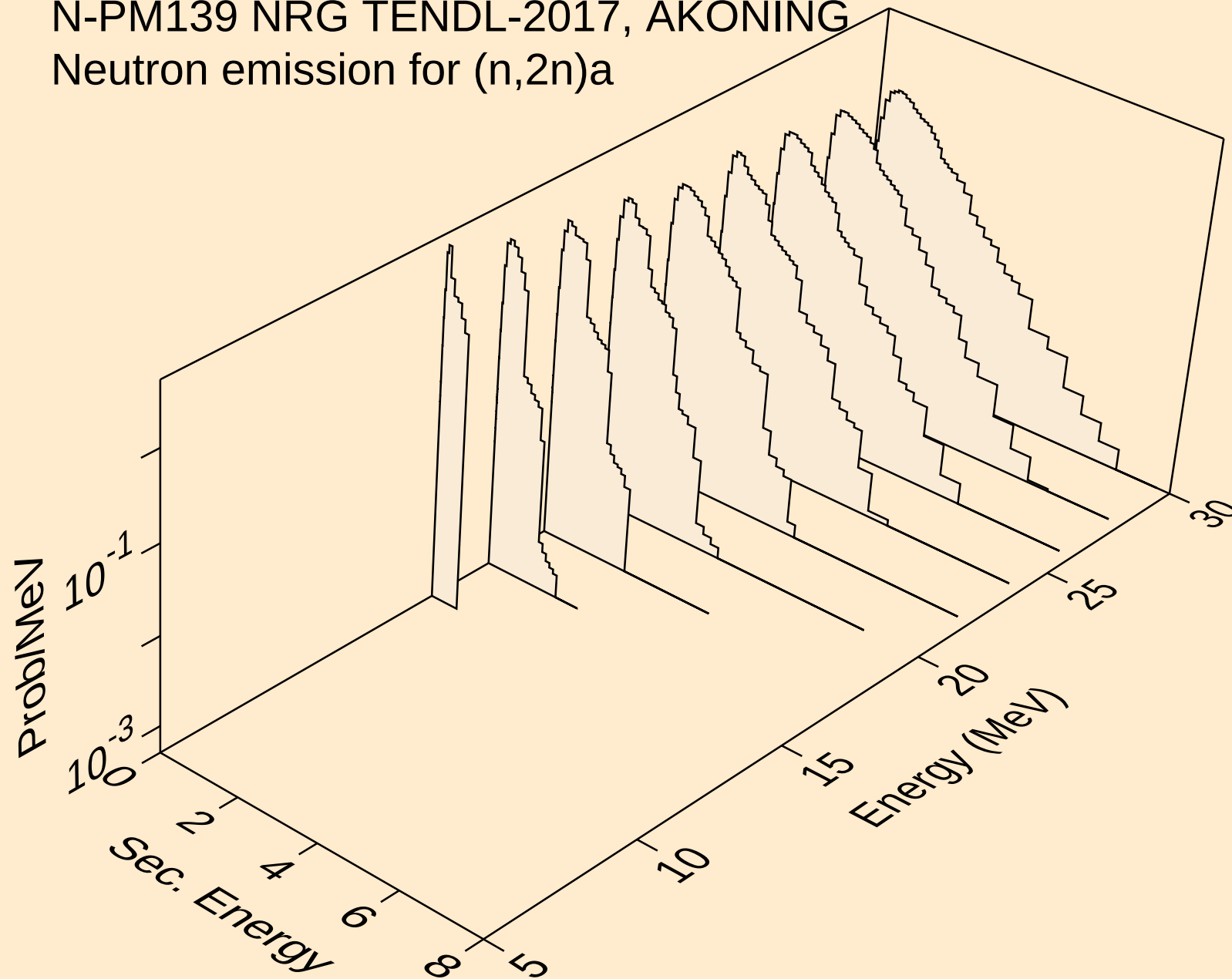
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,3n)



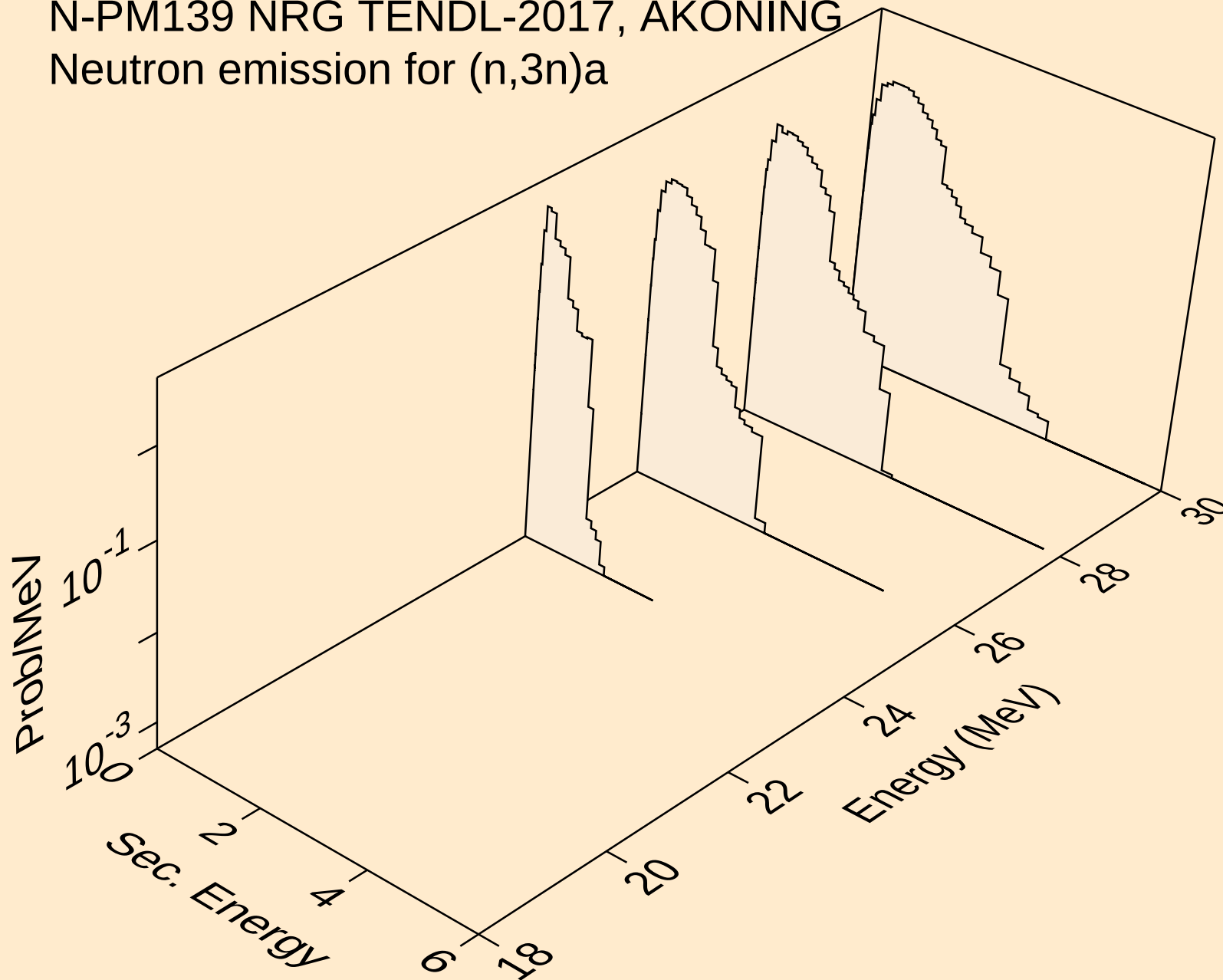
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,n*)a



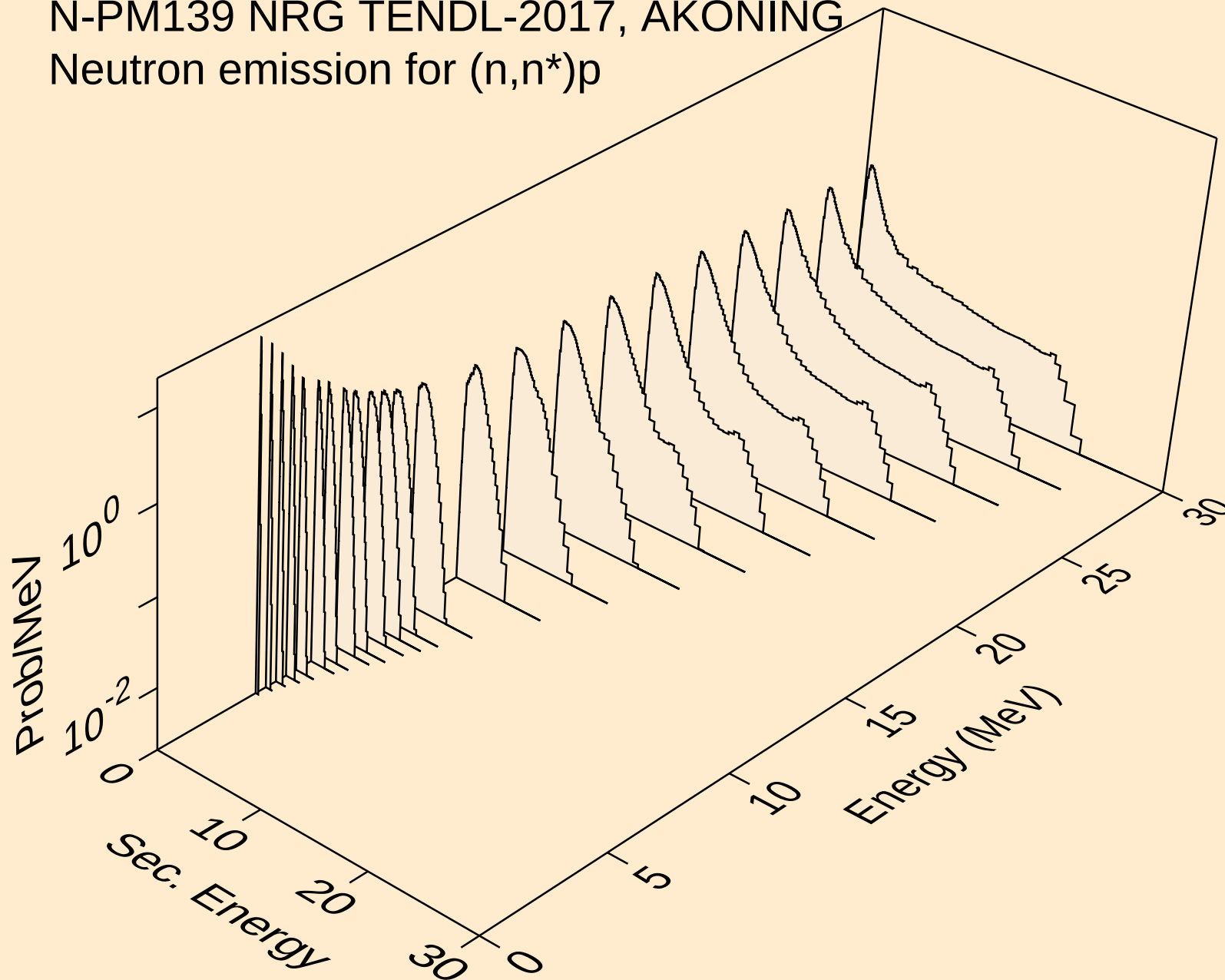
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,2n)a



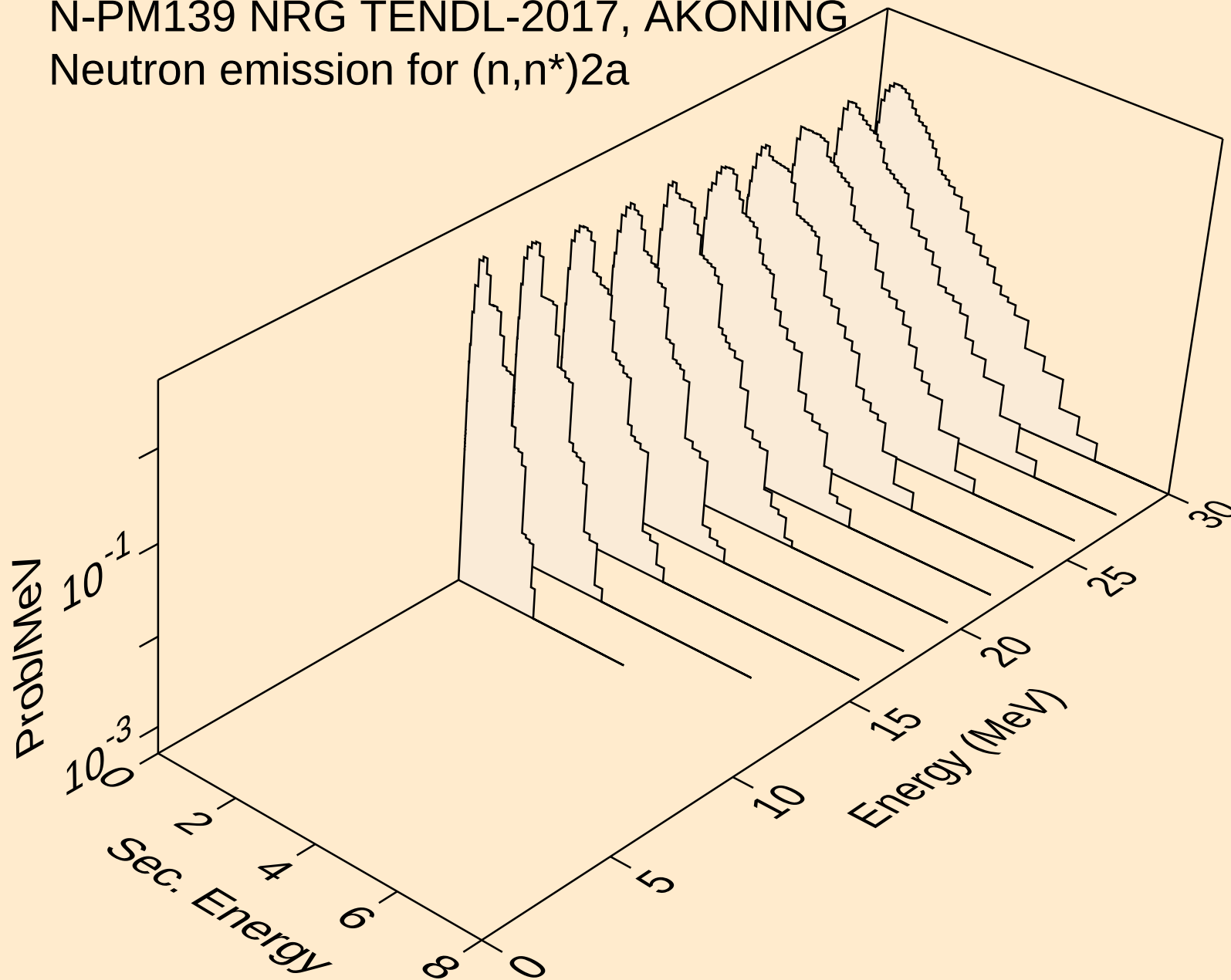
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,3n)a



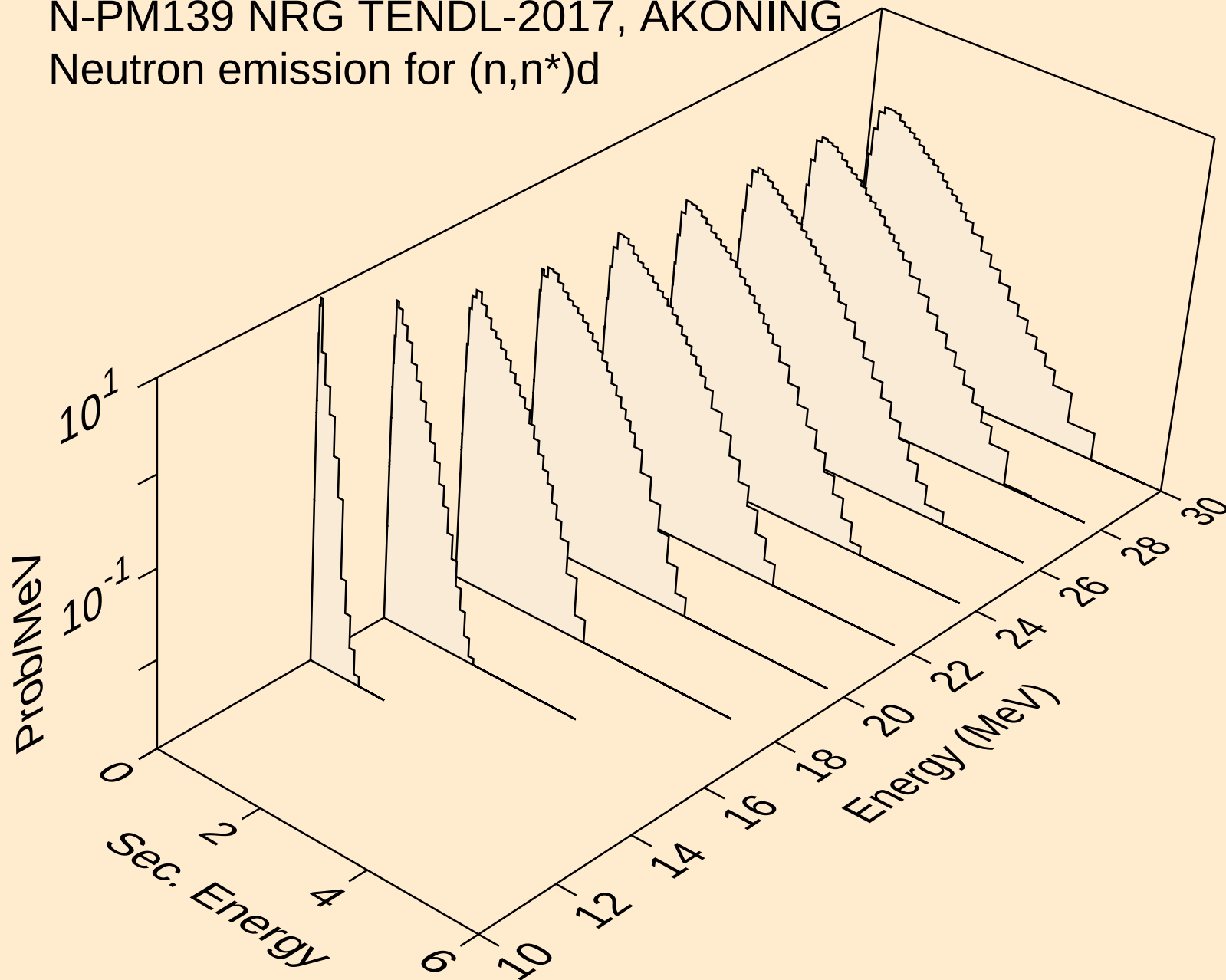
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for $(n,n^*)p$



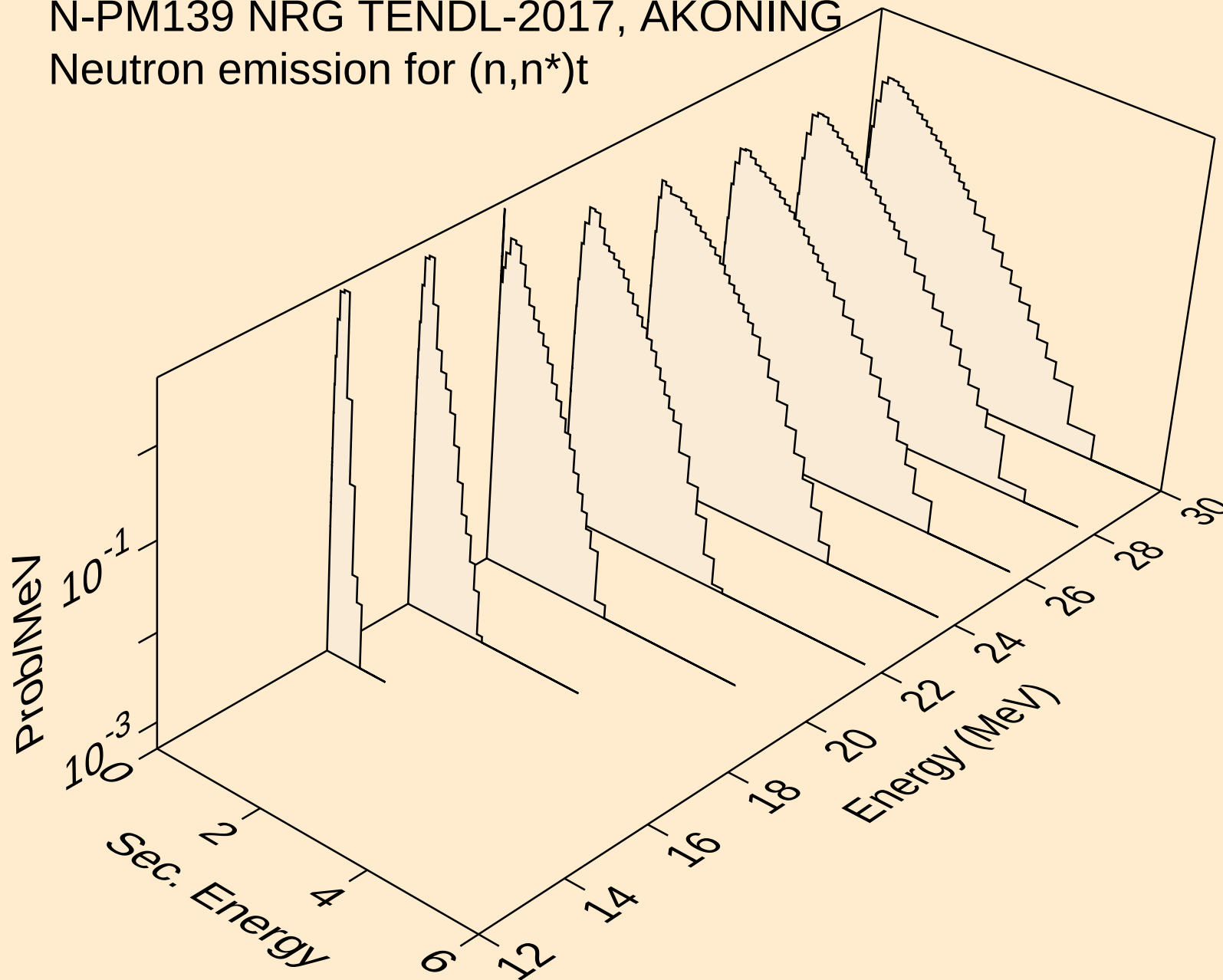
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,n*)2a



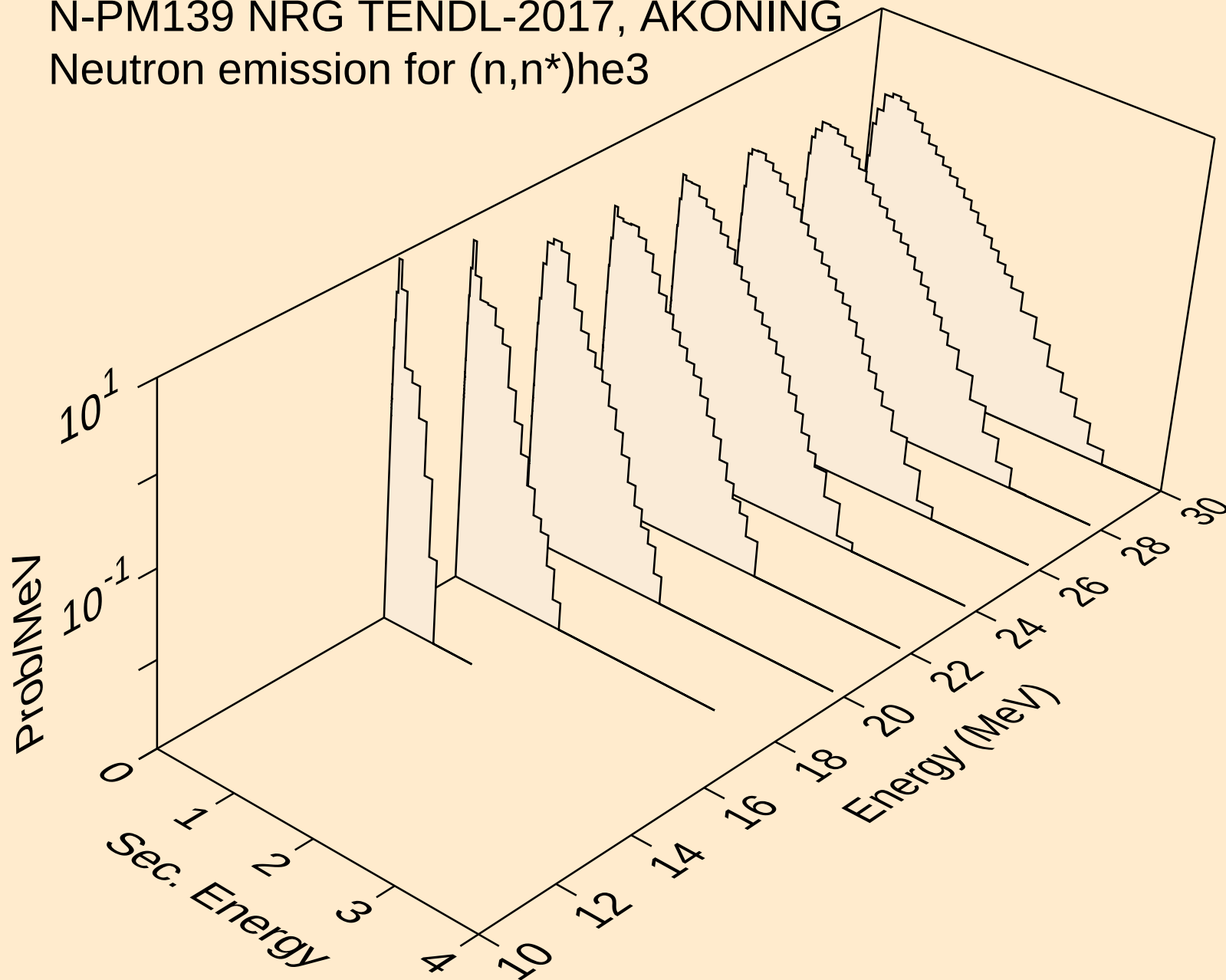
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,n*)d



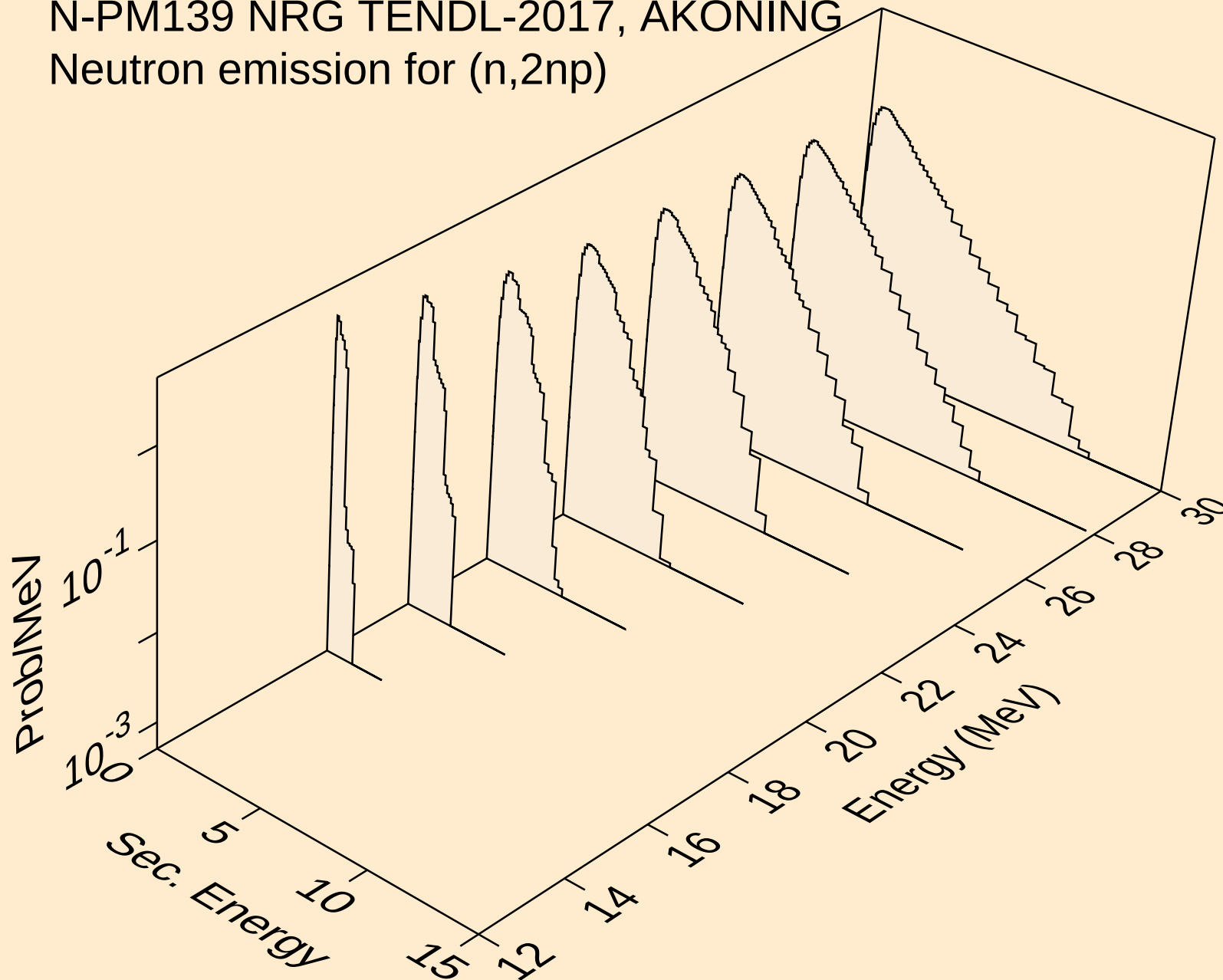
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,n*)t



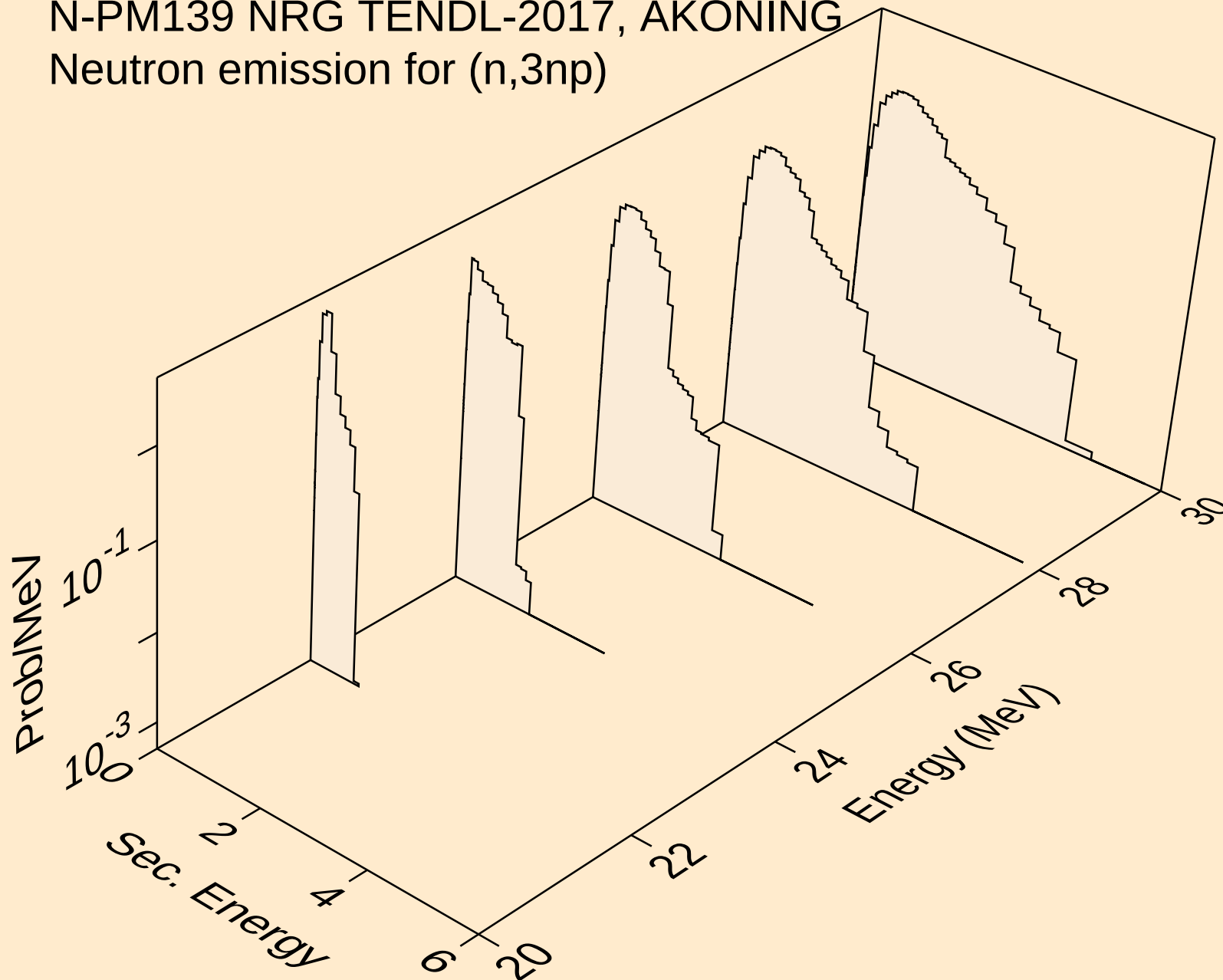
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,n*)he3



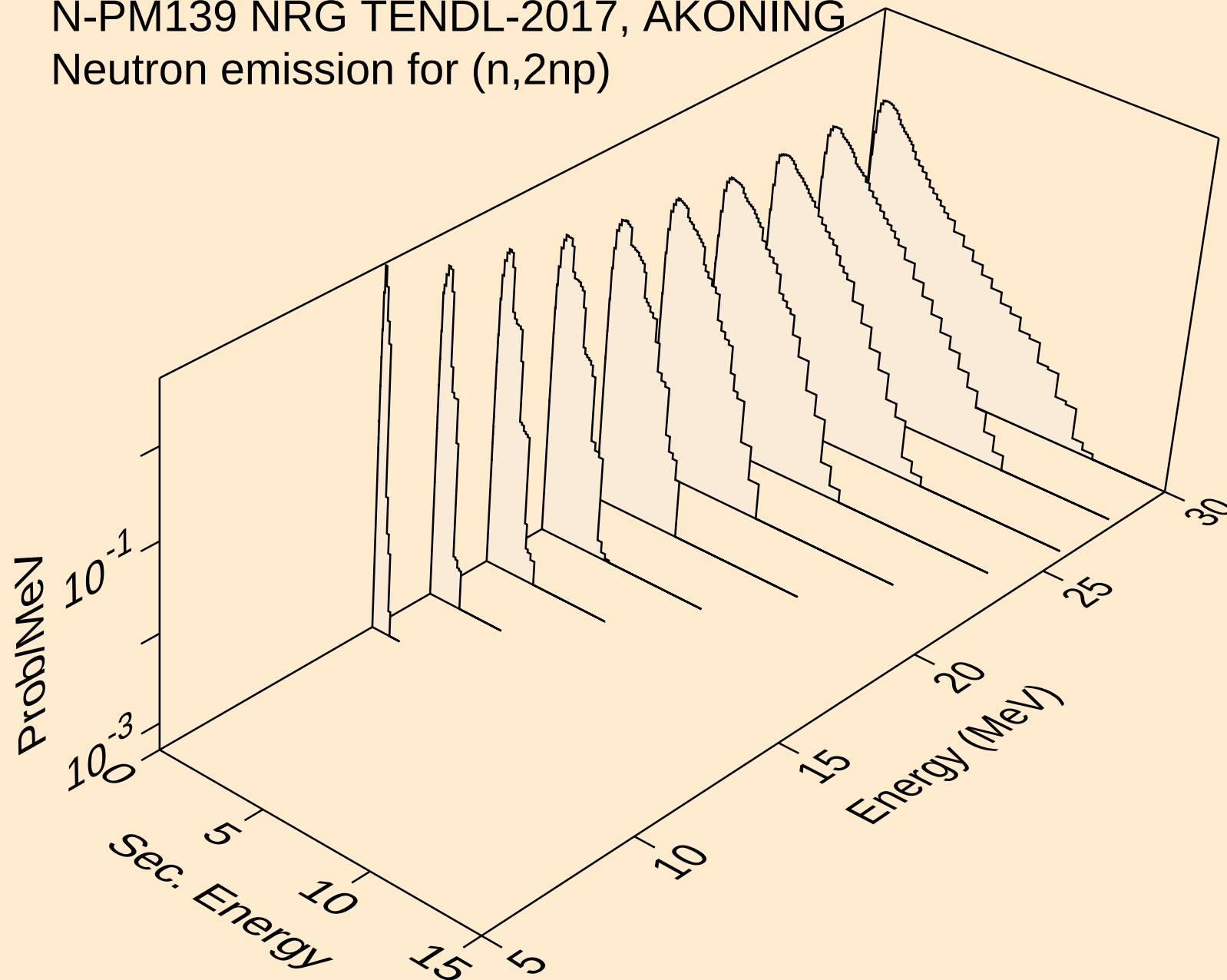
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,2np)



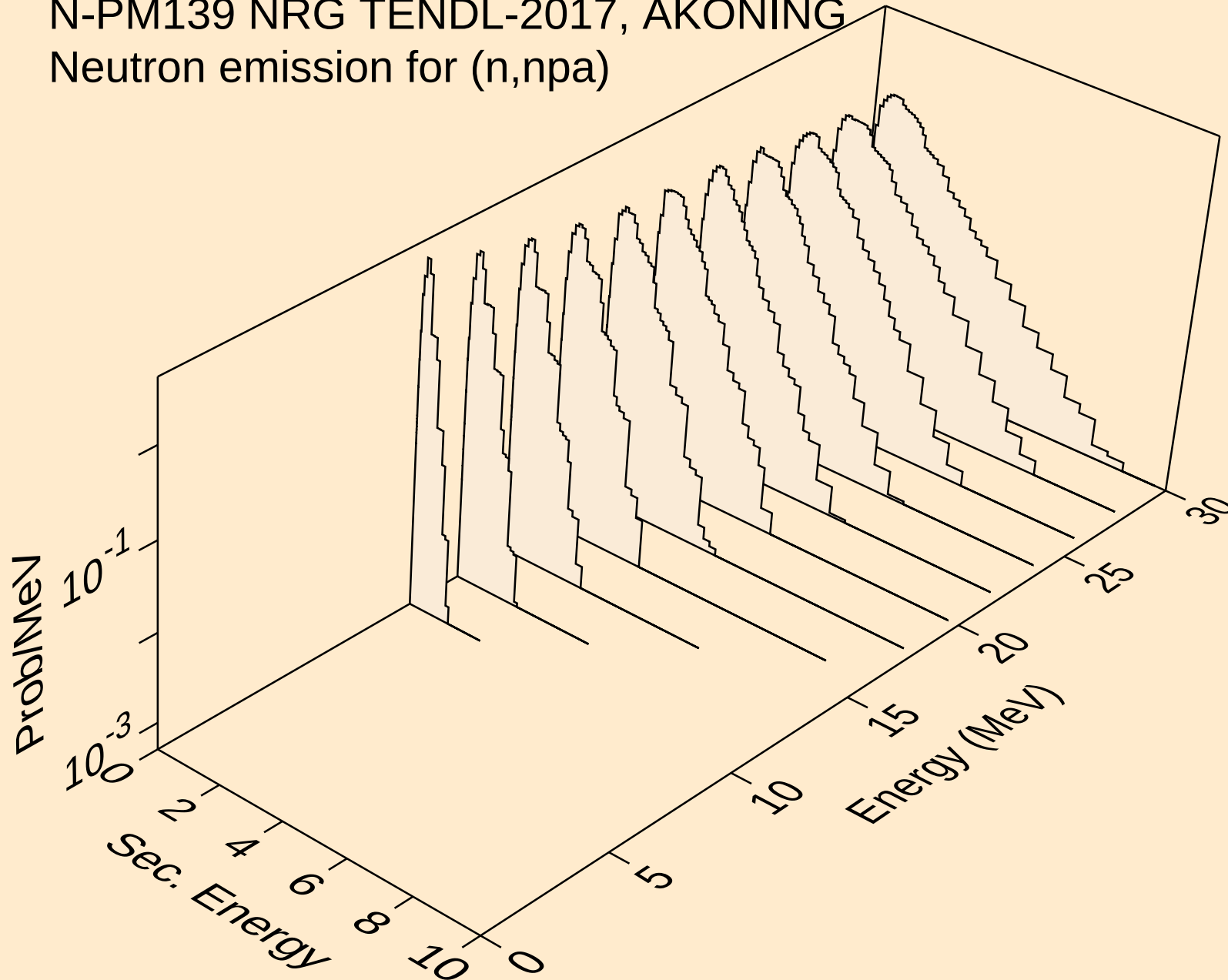
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,3np)



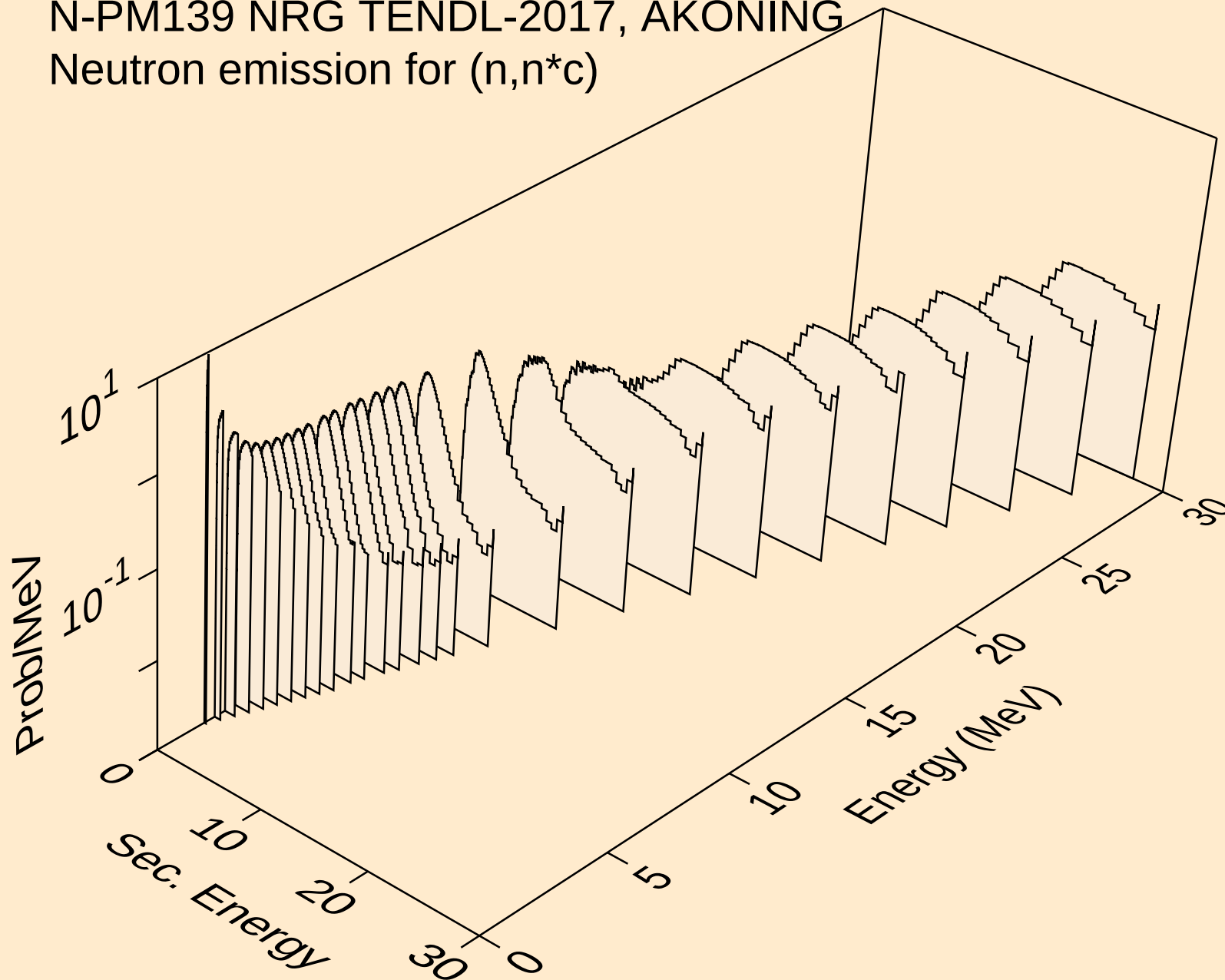
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,2np)



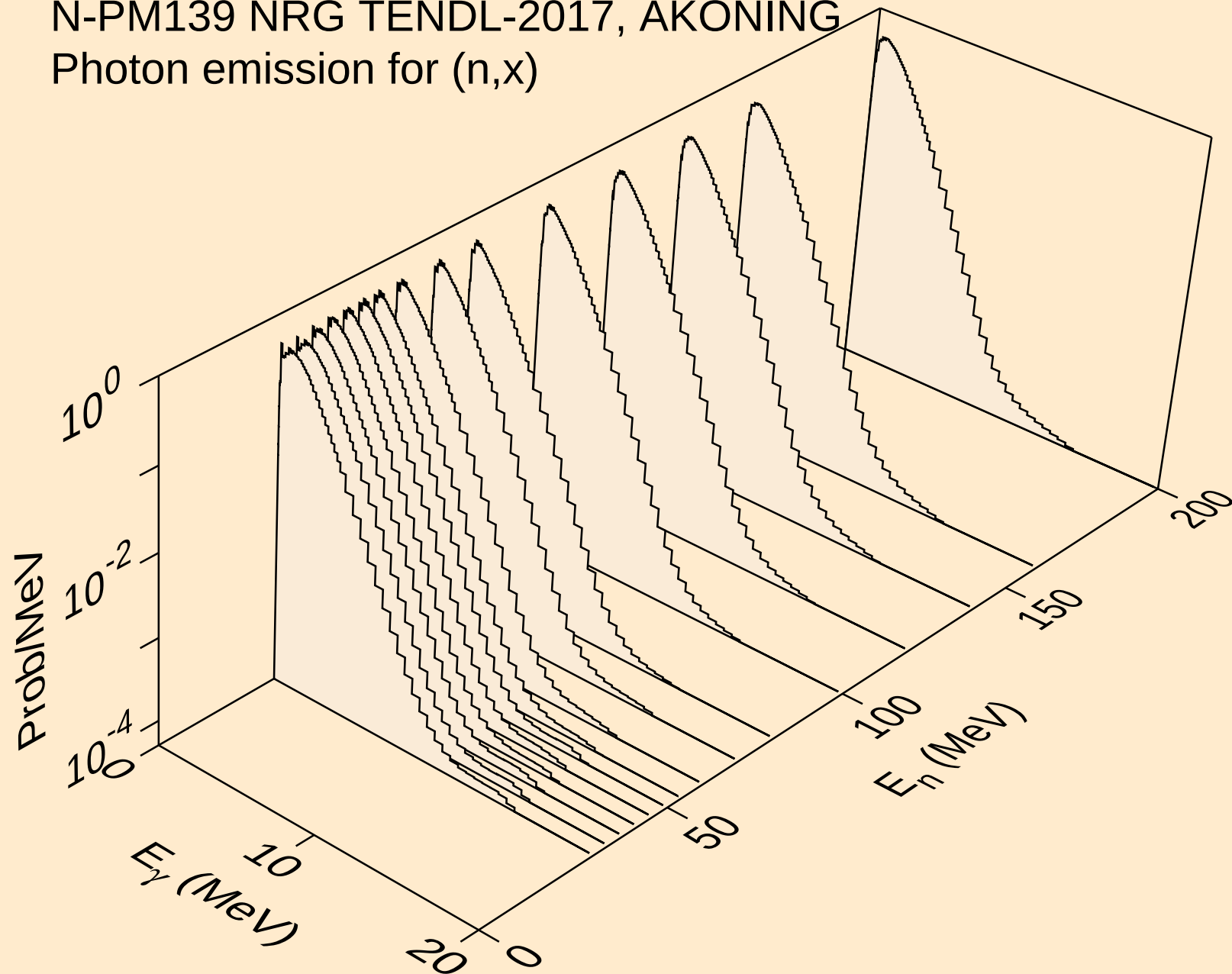
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,npa)



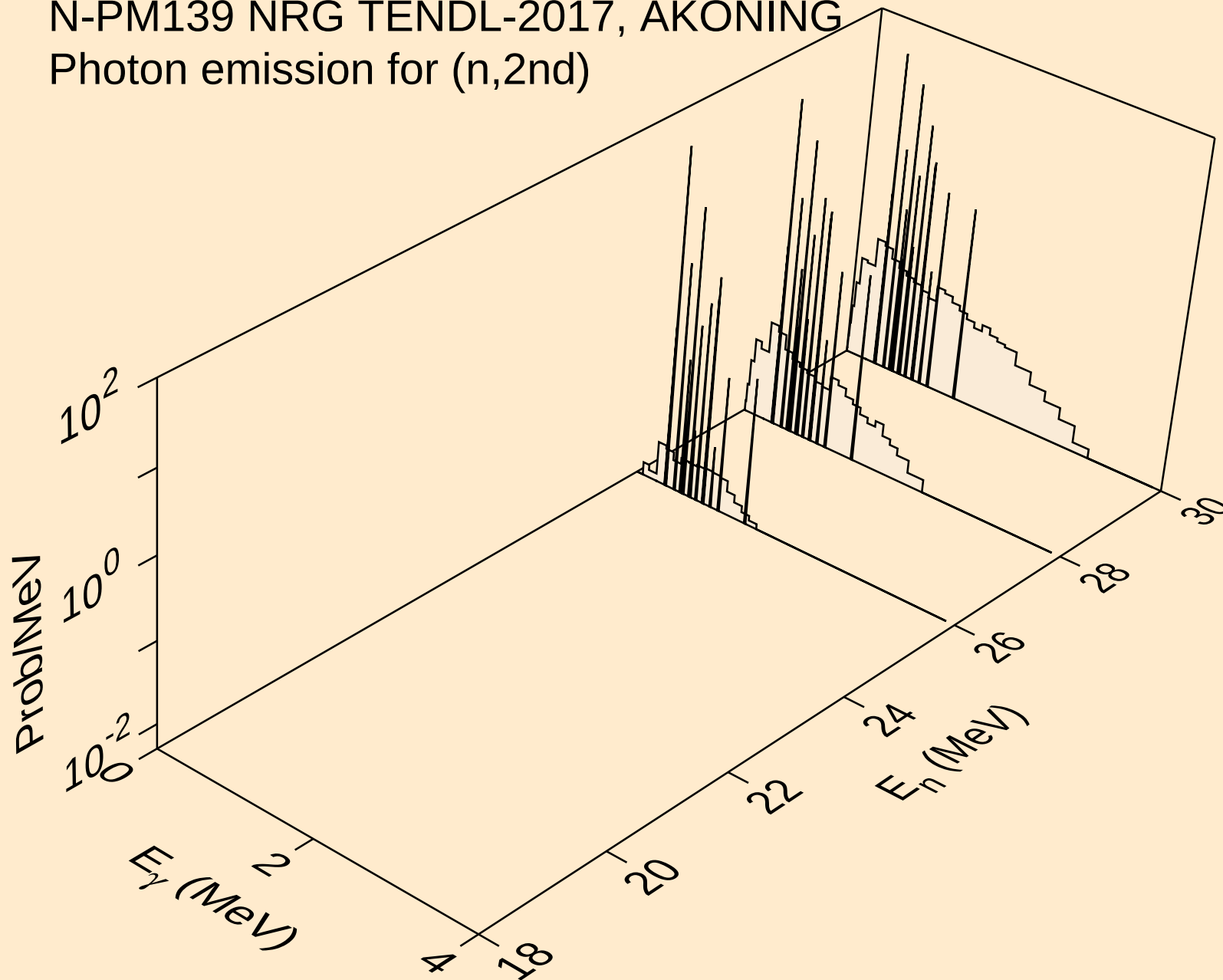
N-PM139 NRG TENDL-2017, AKONING
Neutron emission for (n,n*c)



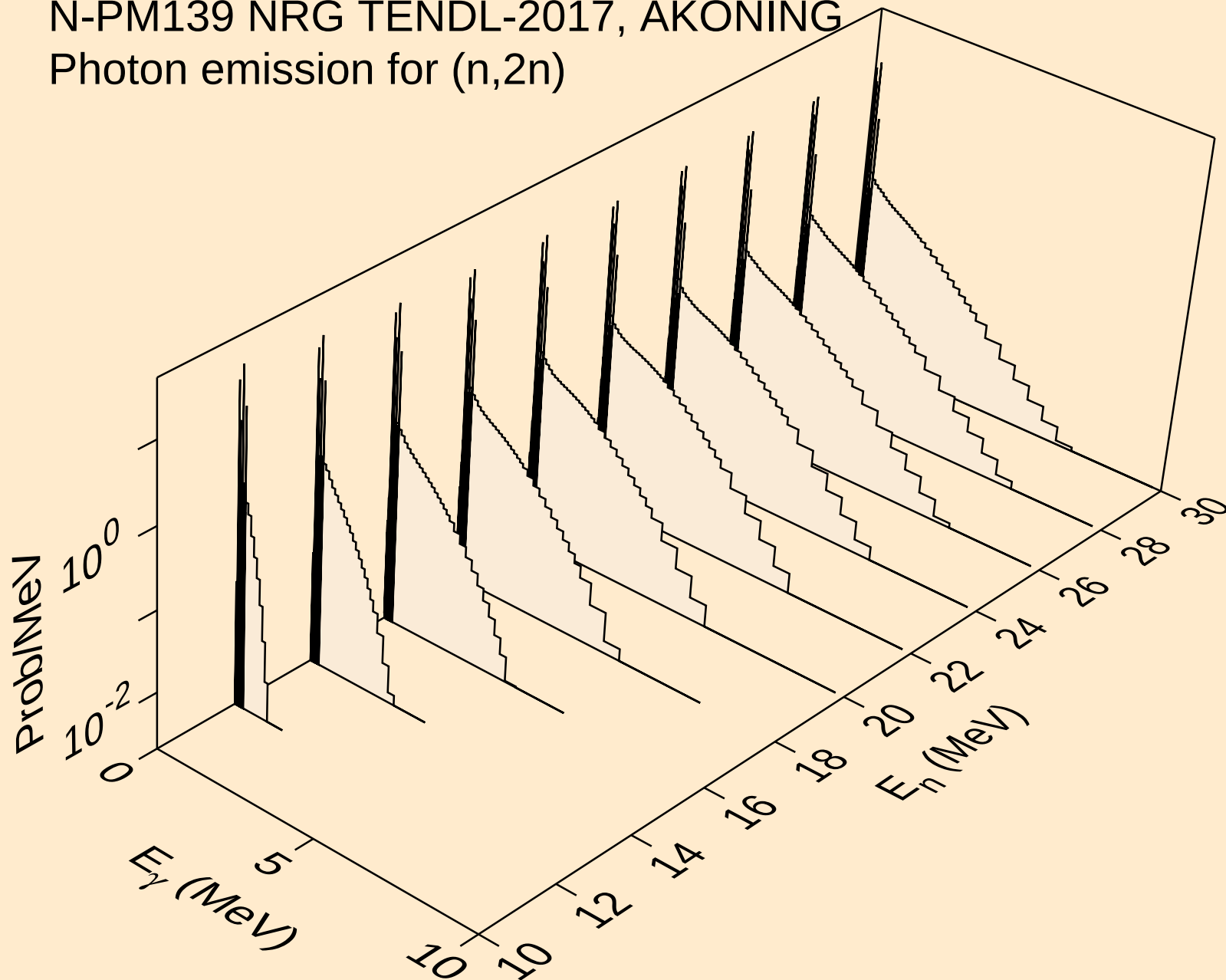
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,x)



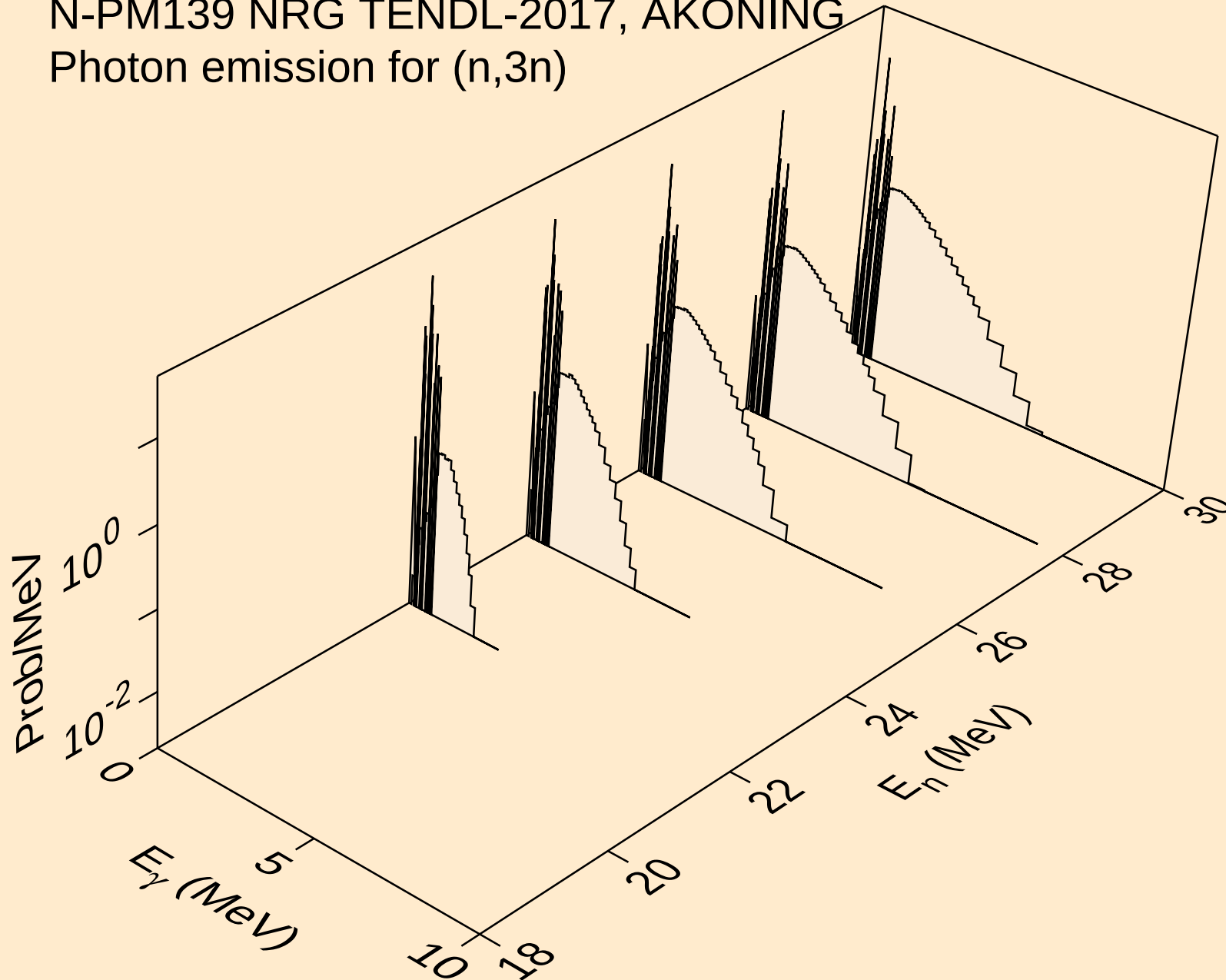
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,2nd)



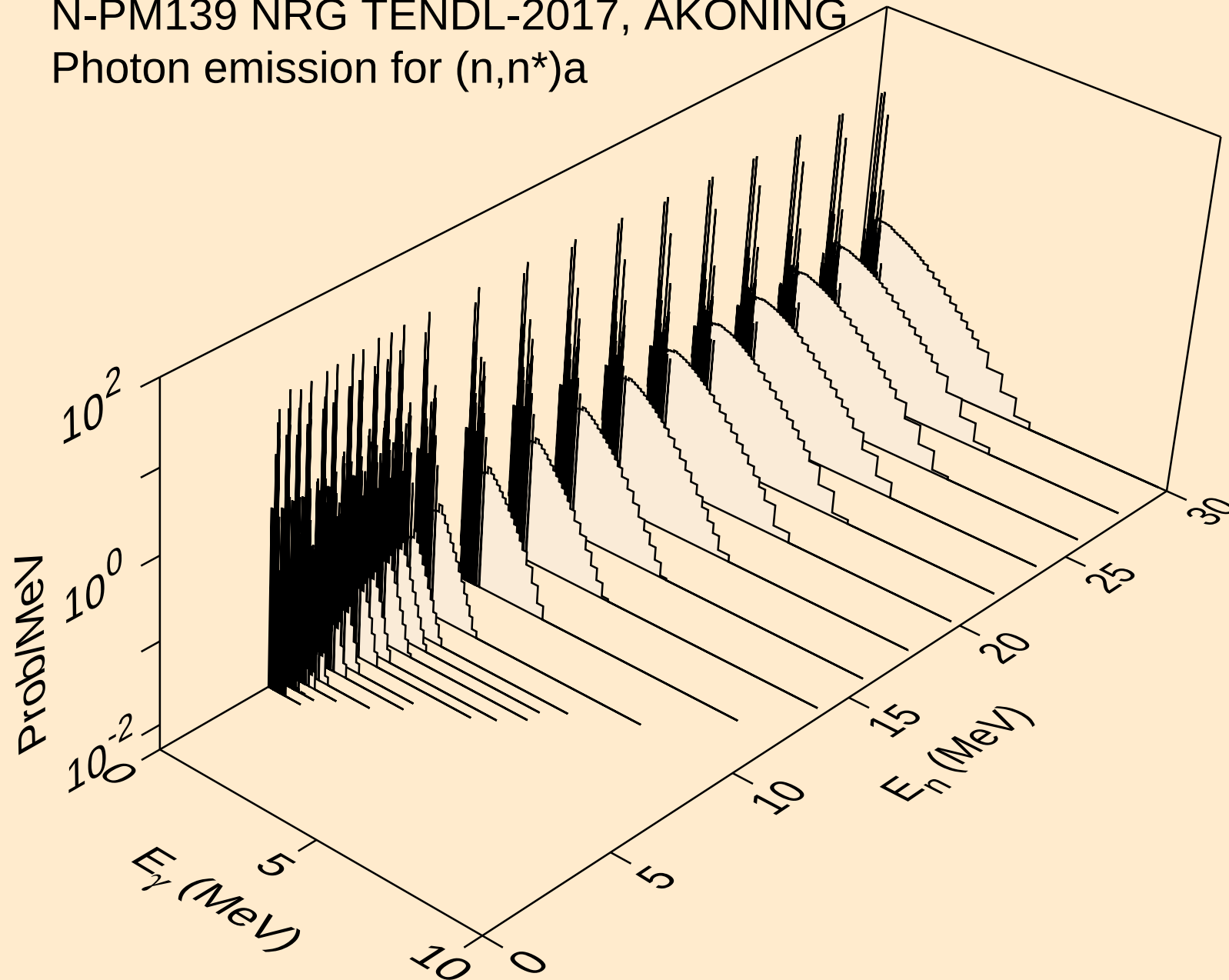
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,2n)



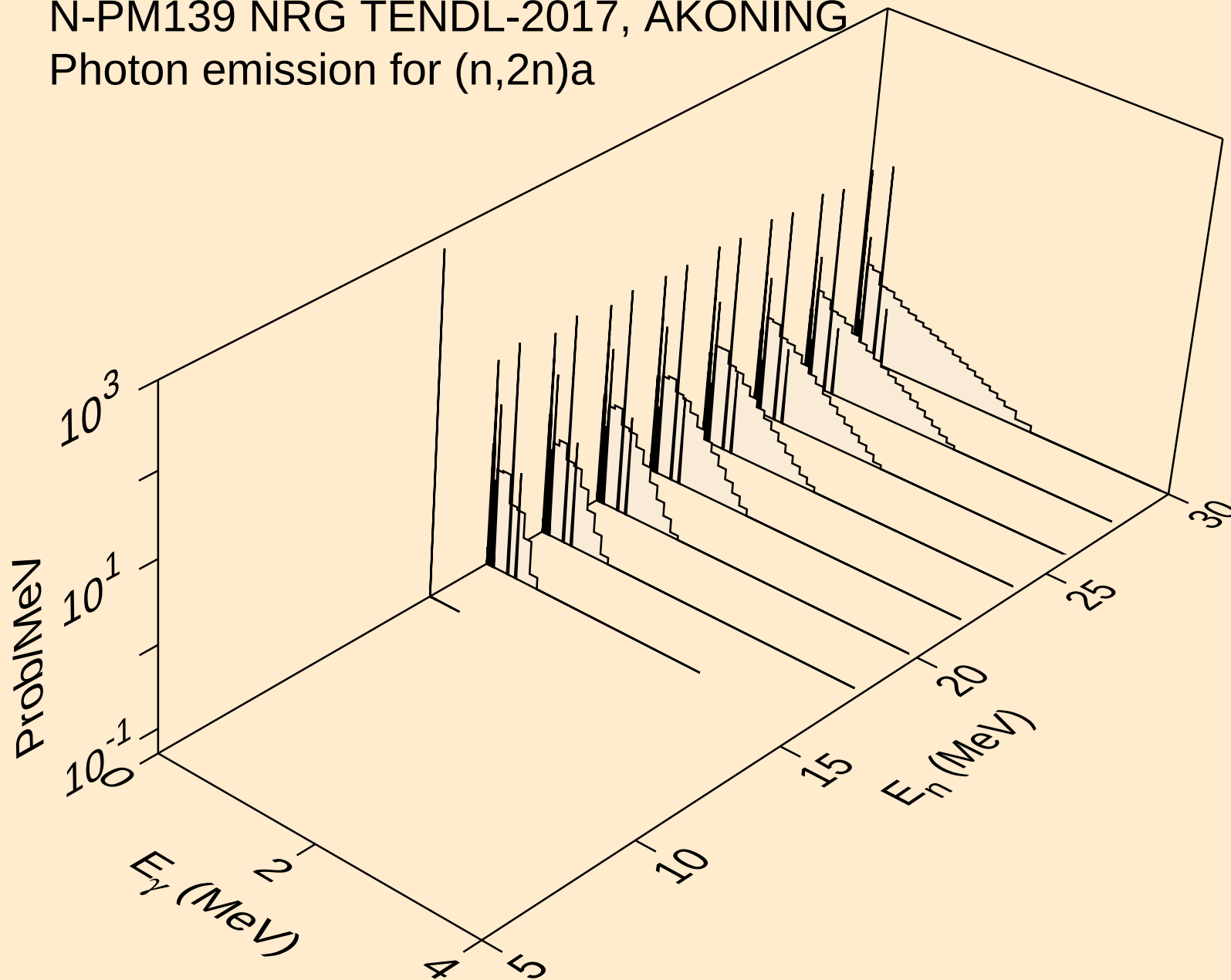
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,3n)



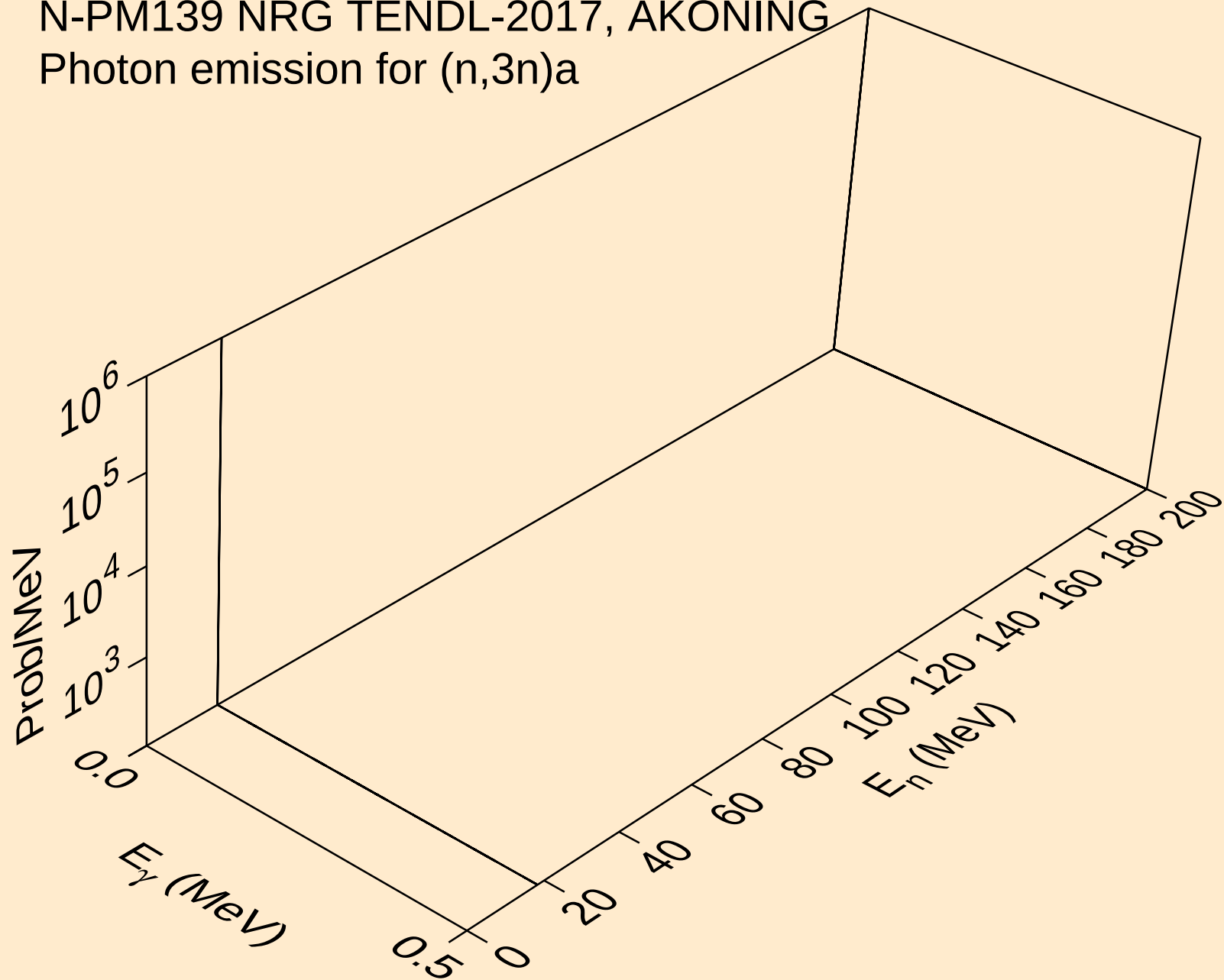
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,n*)a



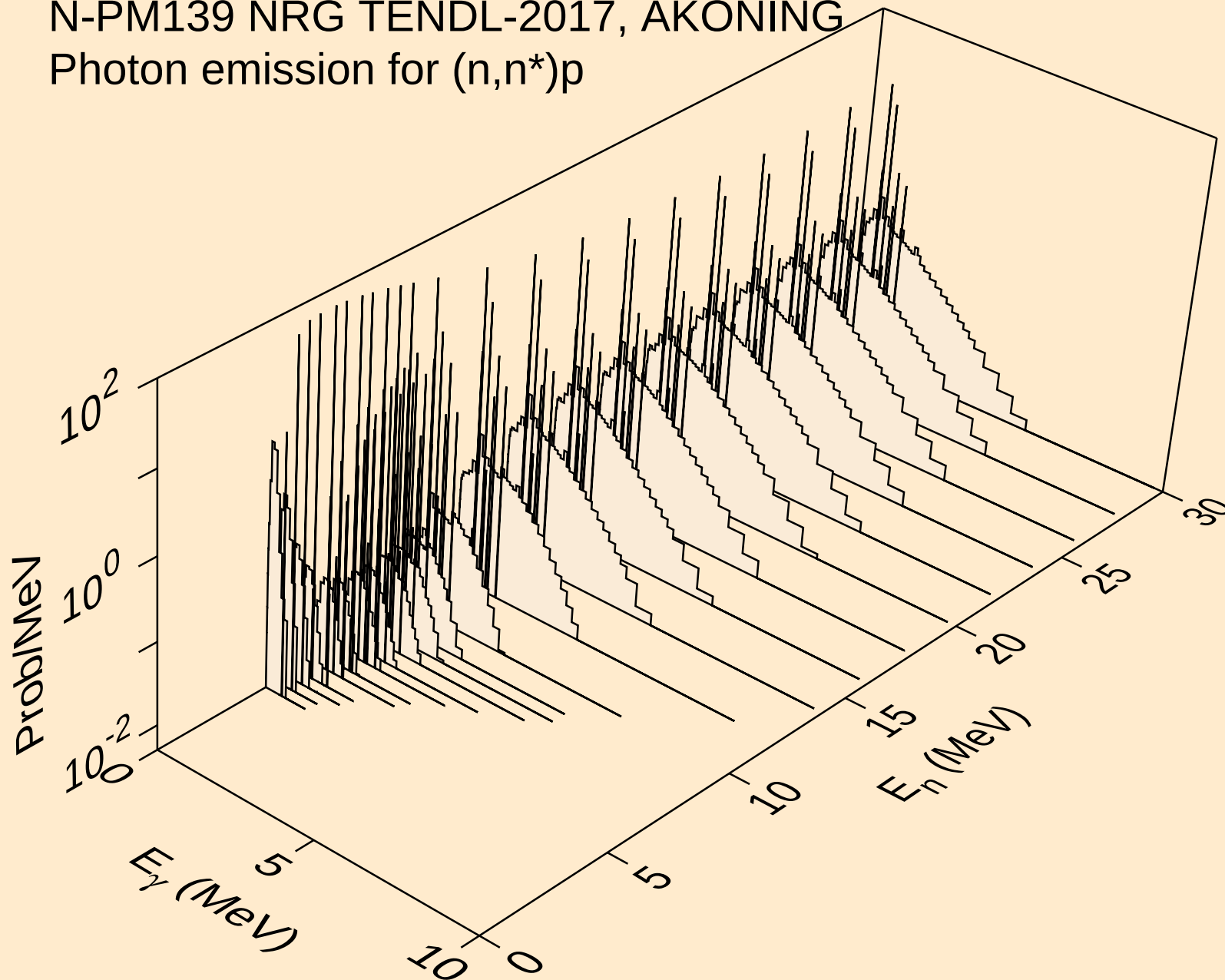
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,2n)a



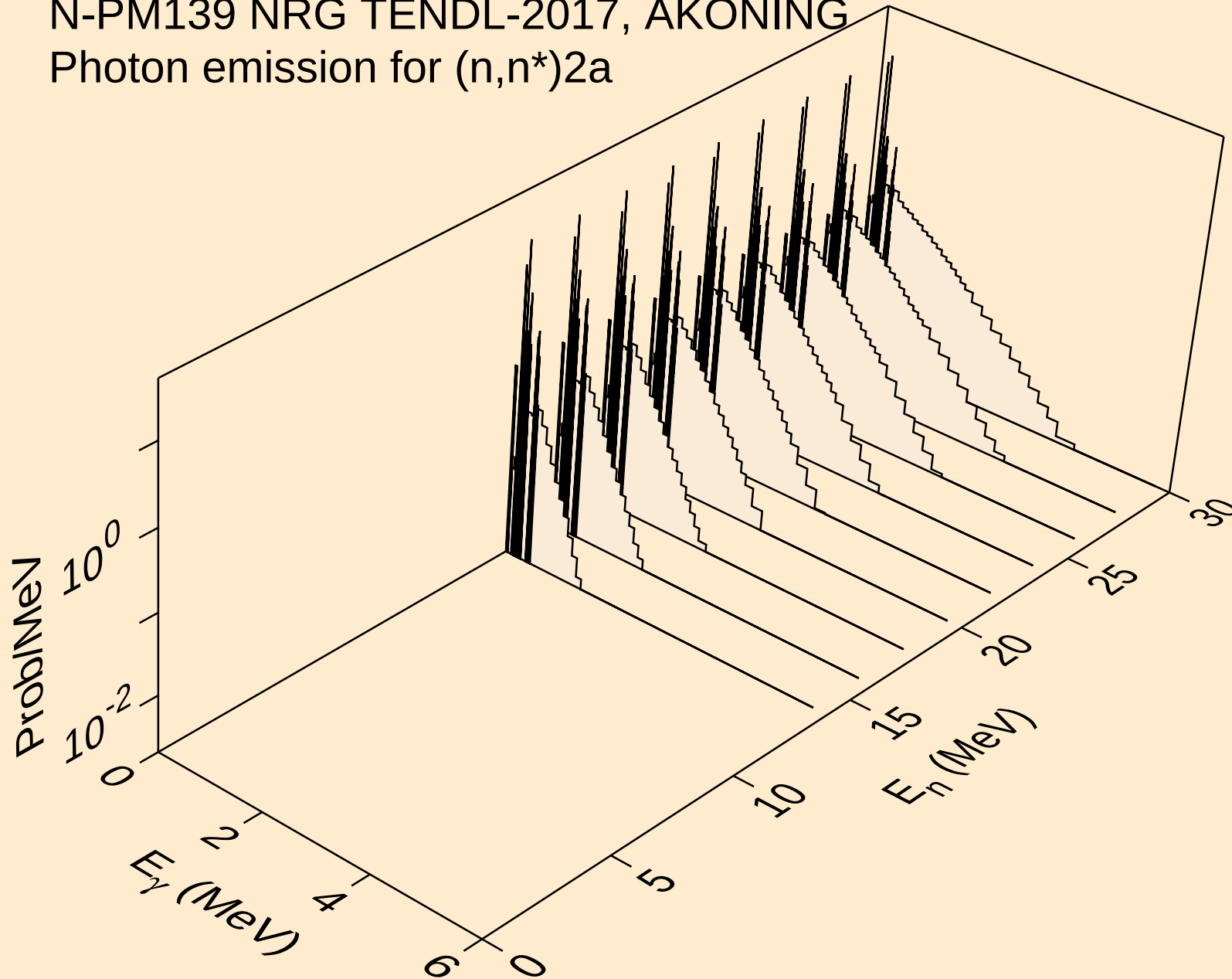
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,3n)a



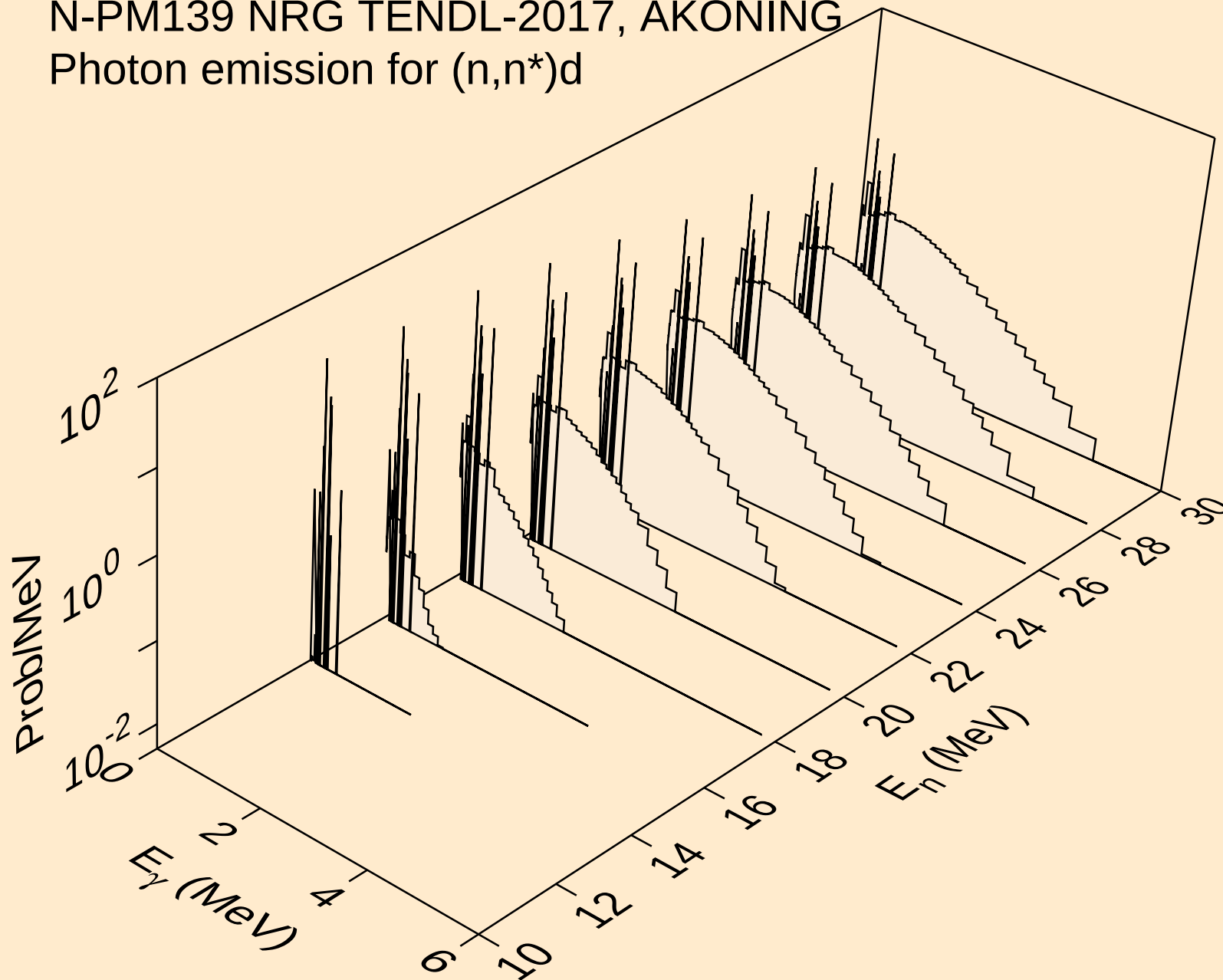
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,n*)p



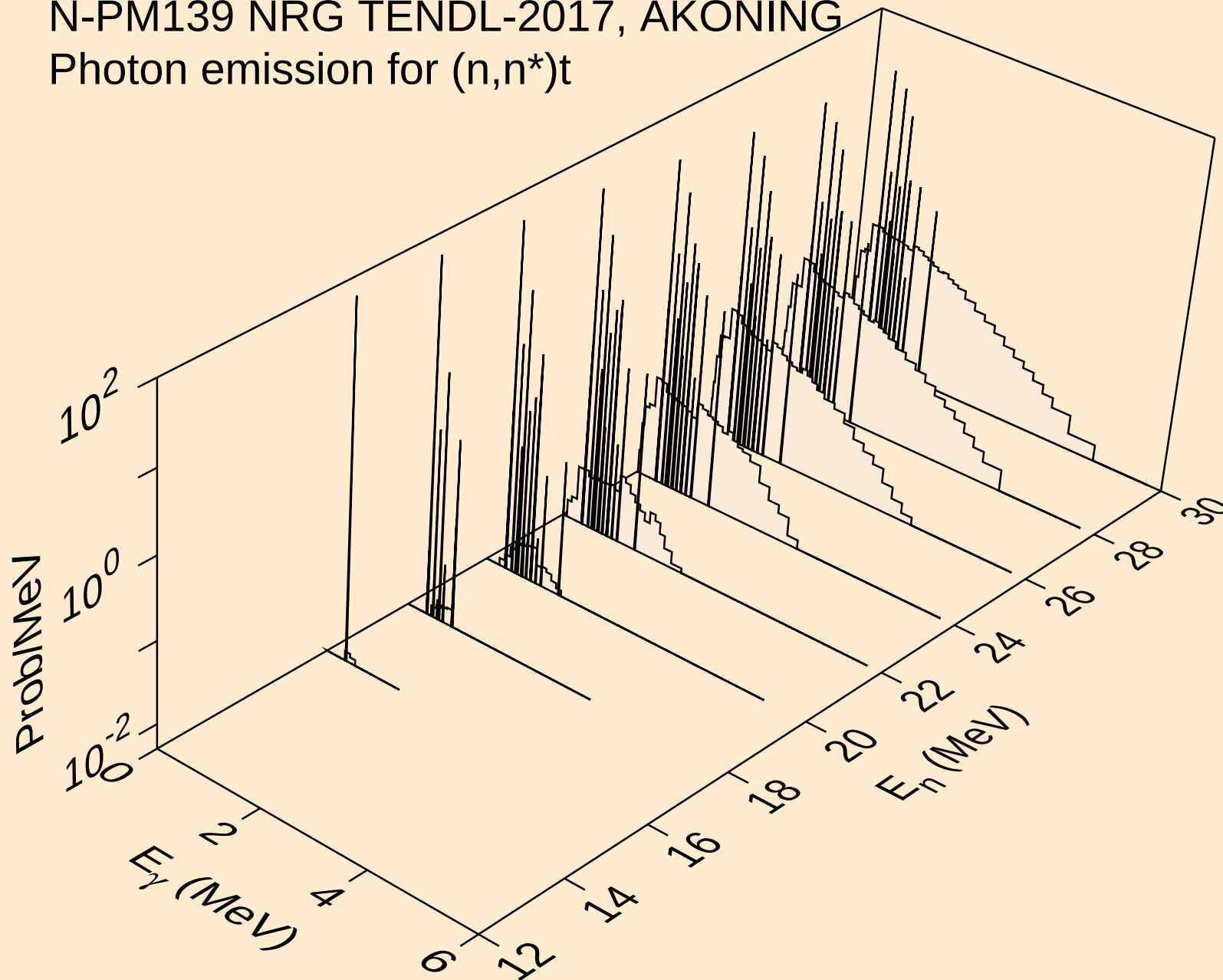
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,n*)2a



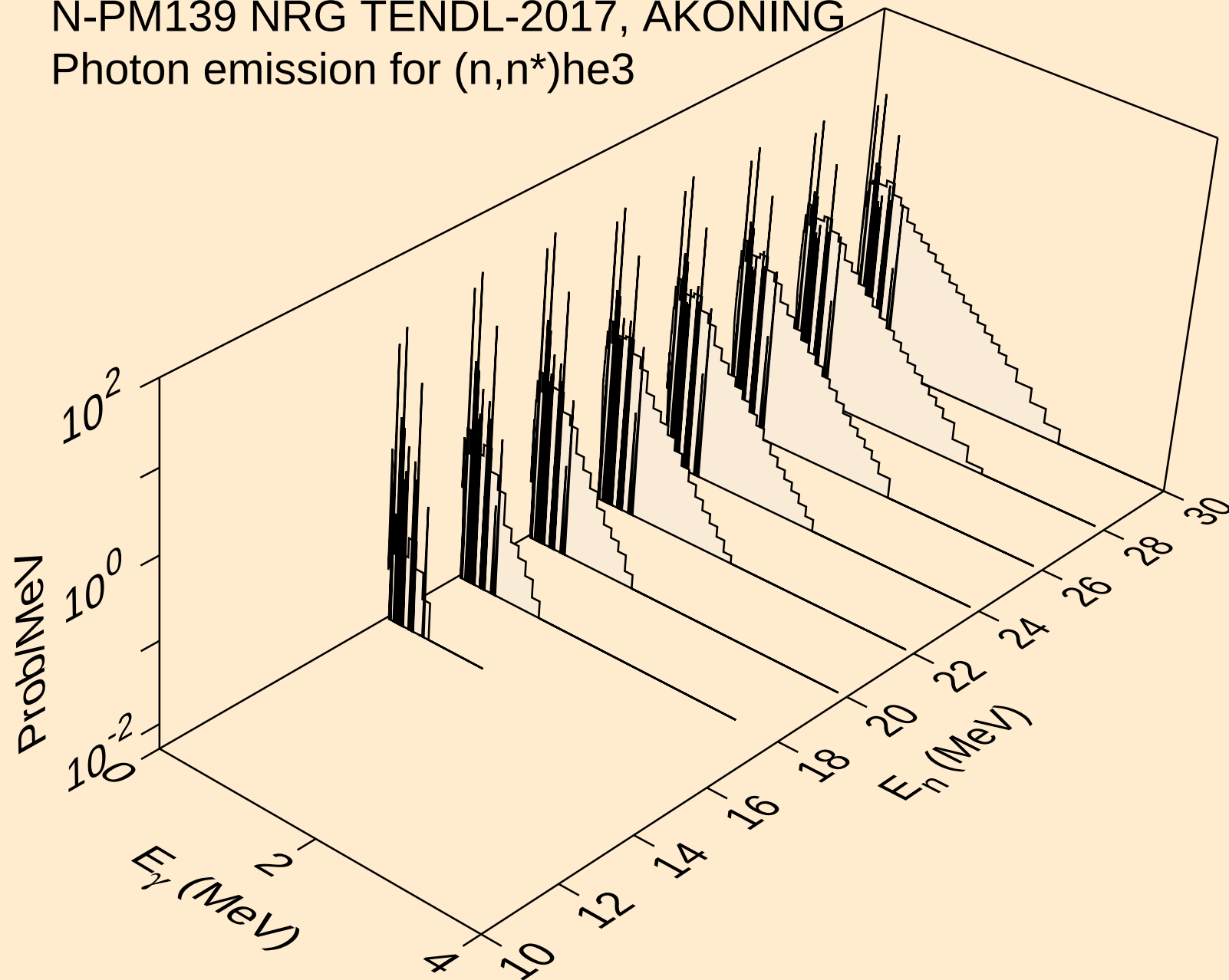
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,n*)d



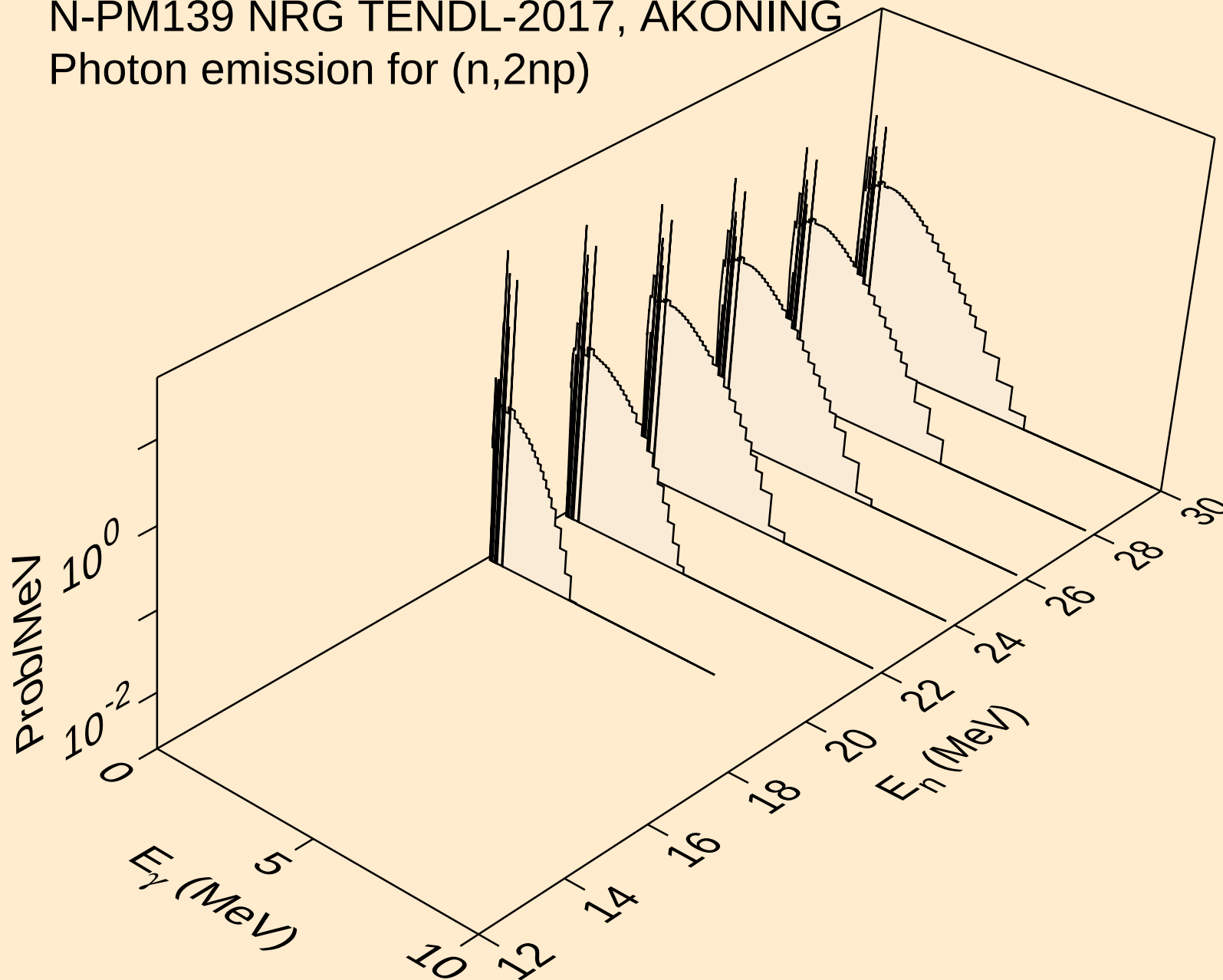
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,n*)t



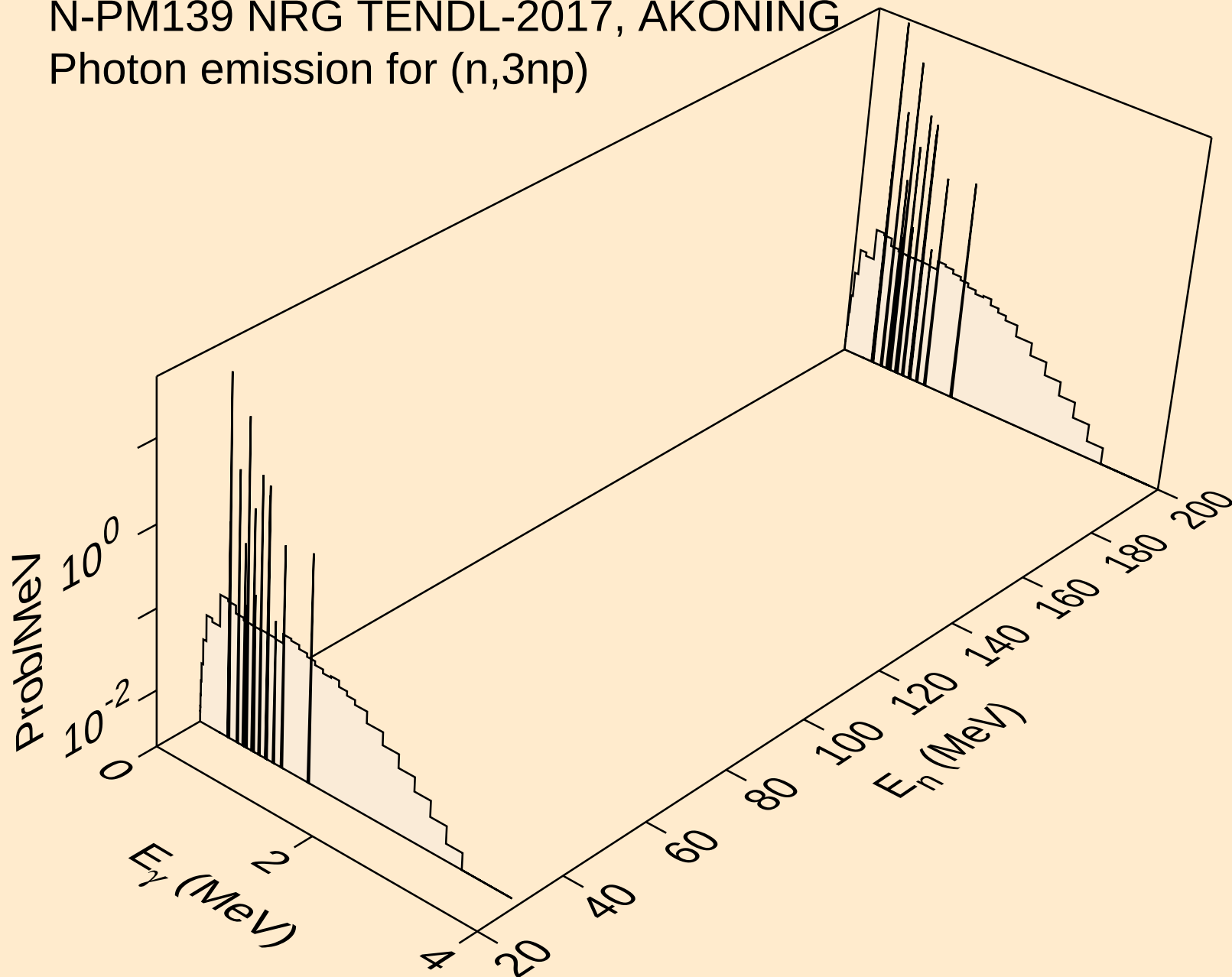
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,n*)he3



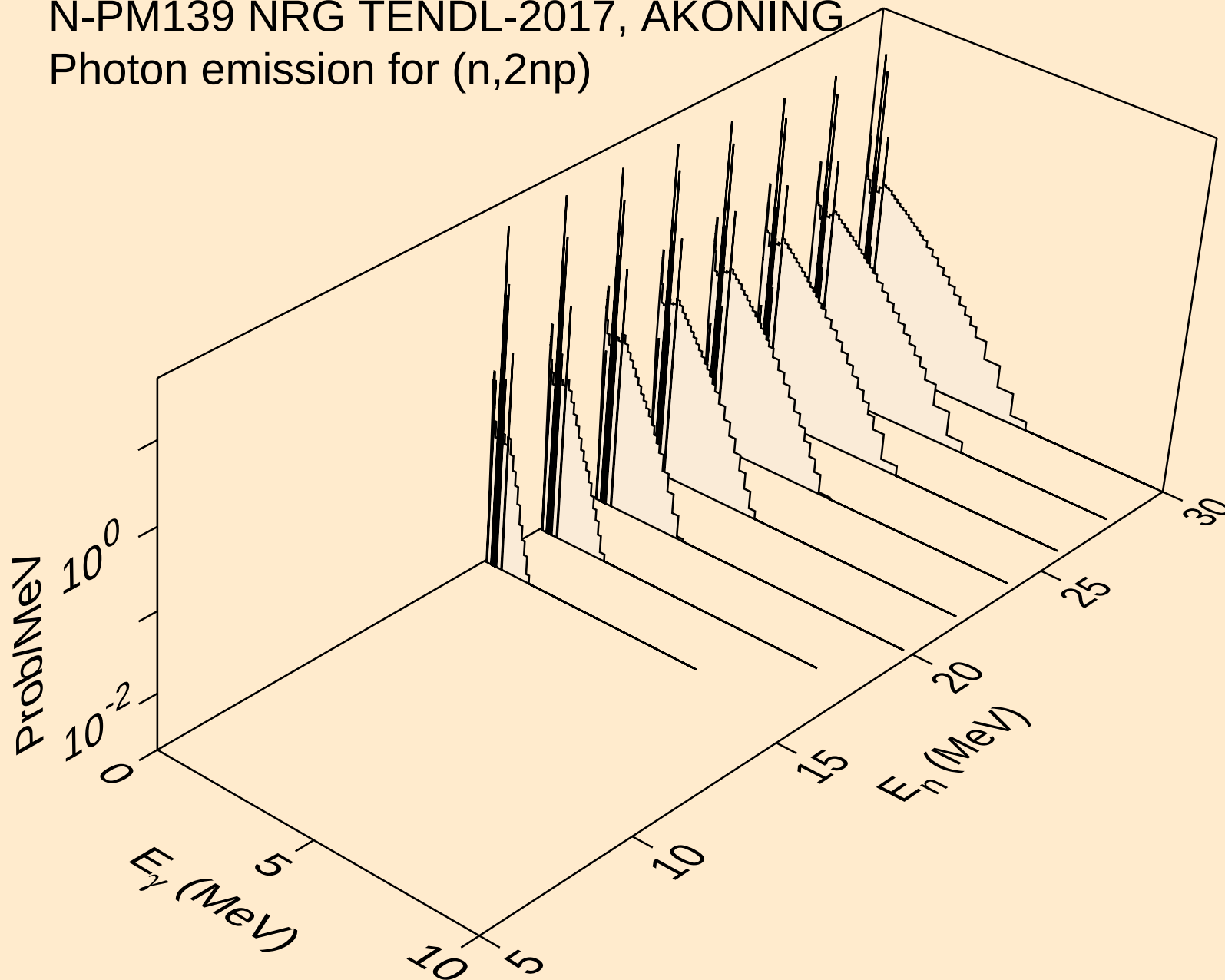
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,2np)



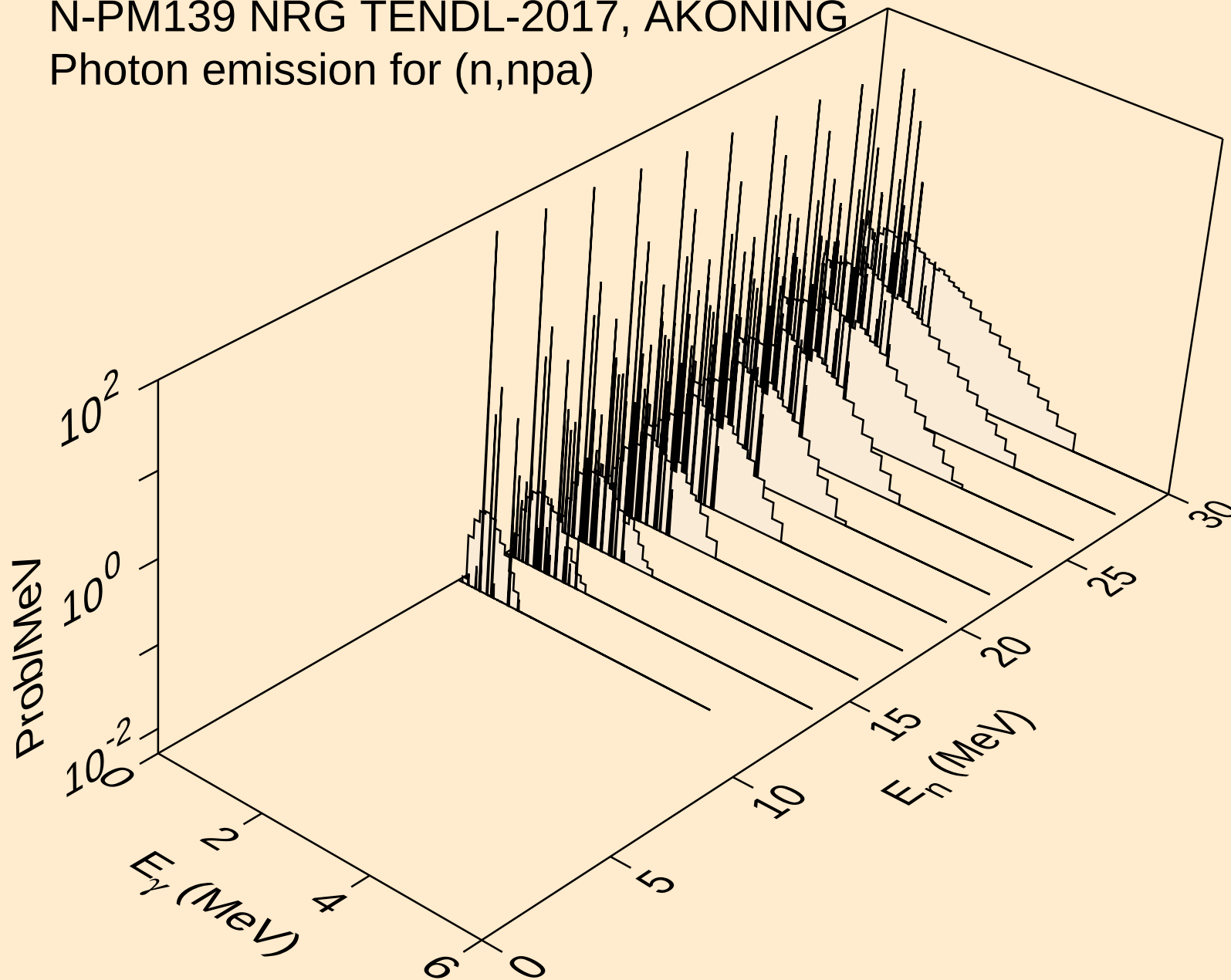
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,3np)



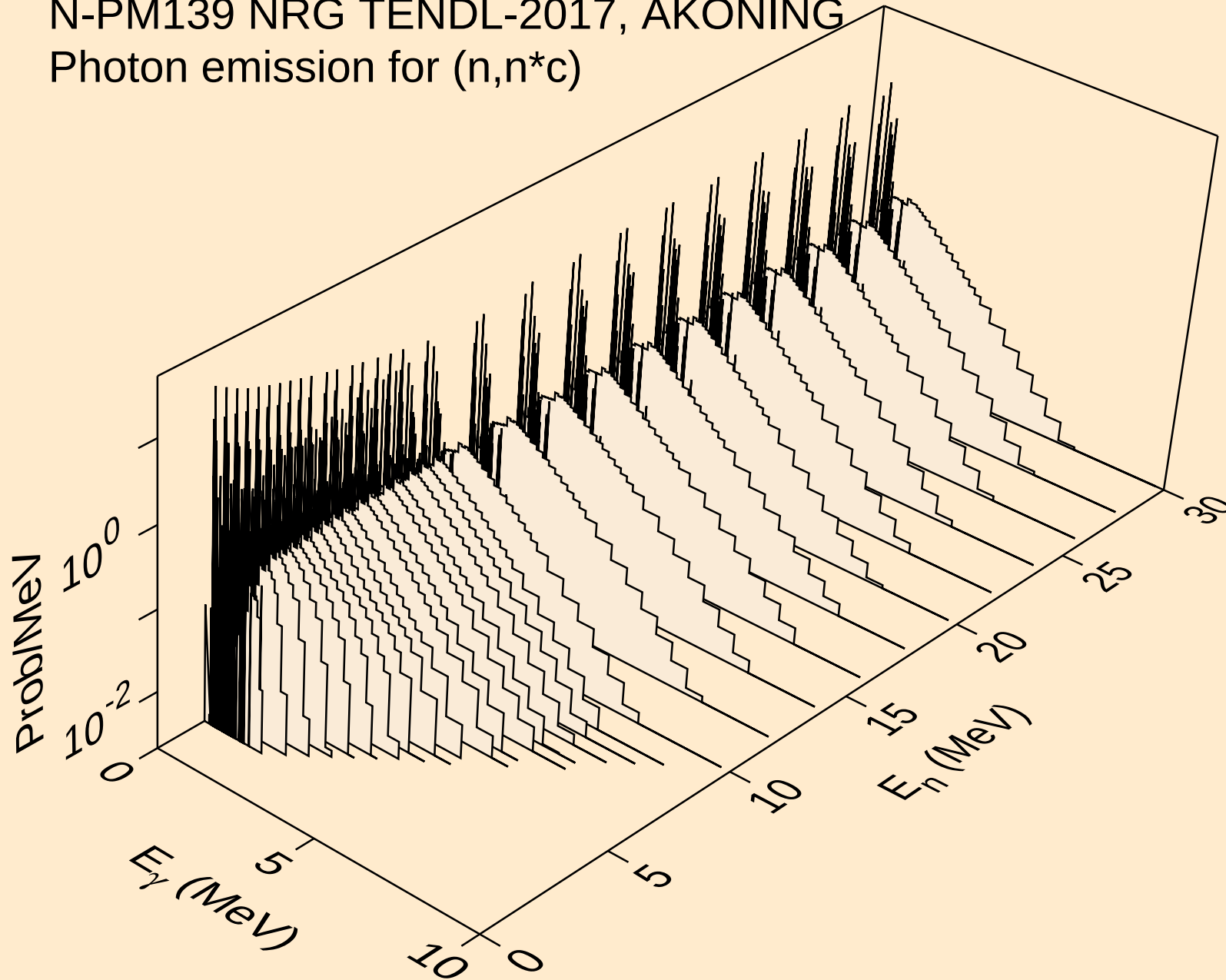
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,2np)



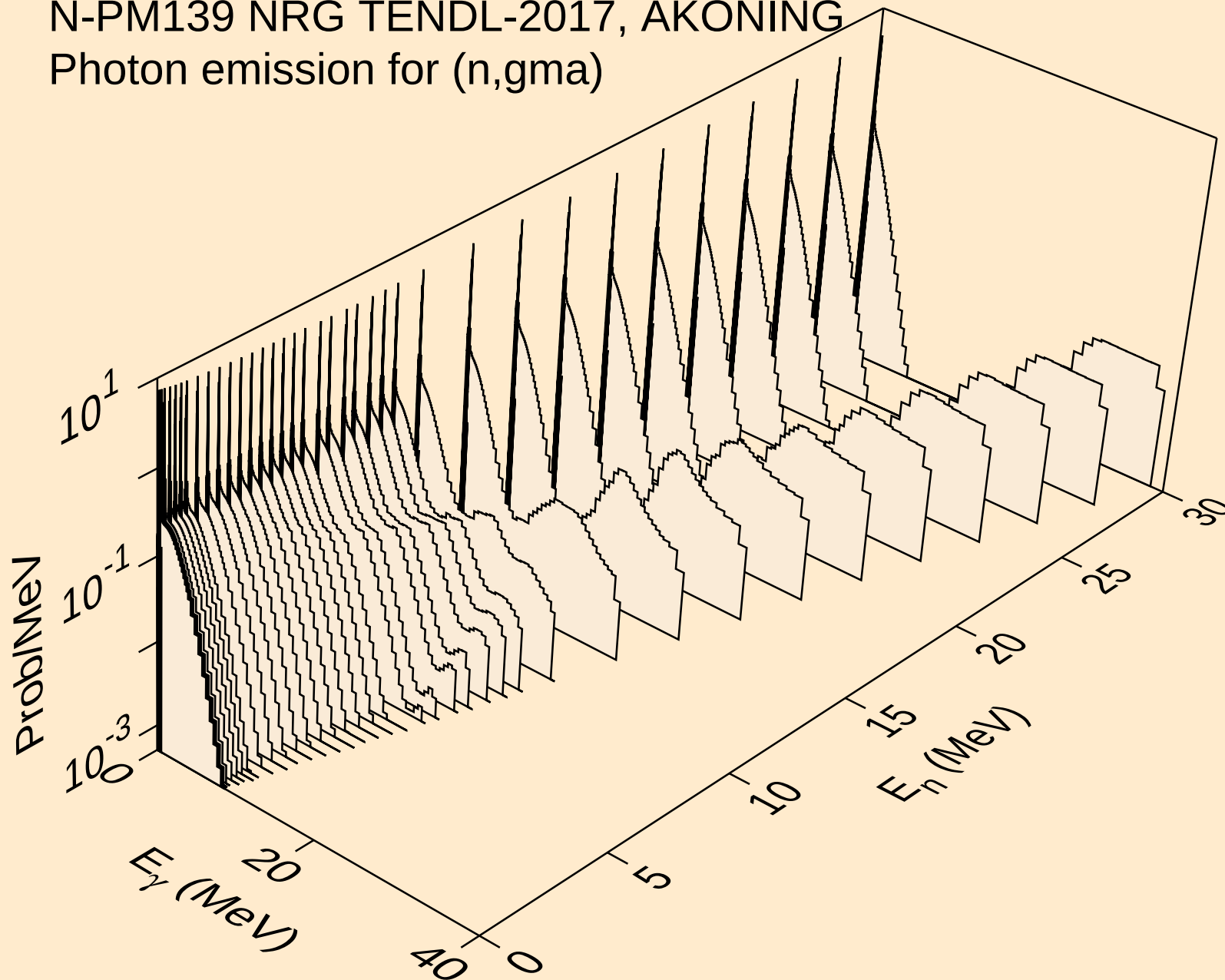
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,npa)



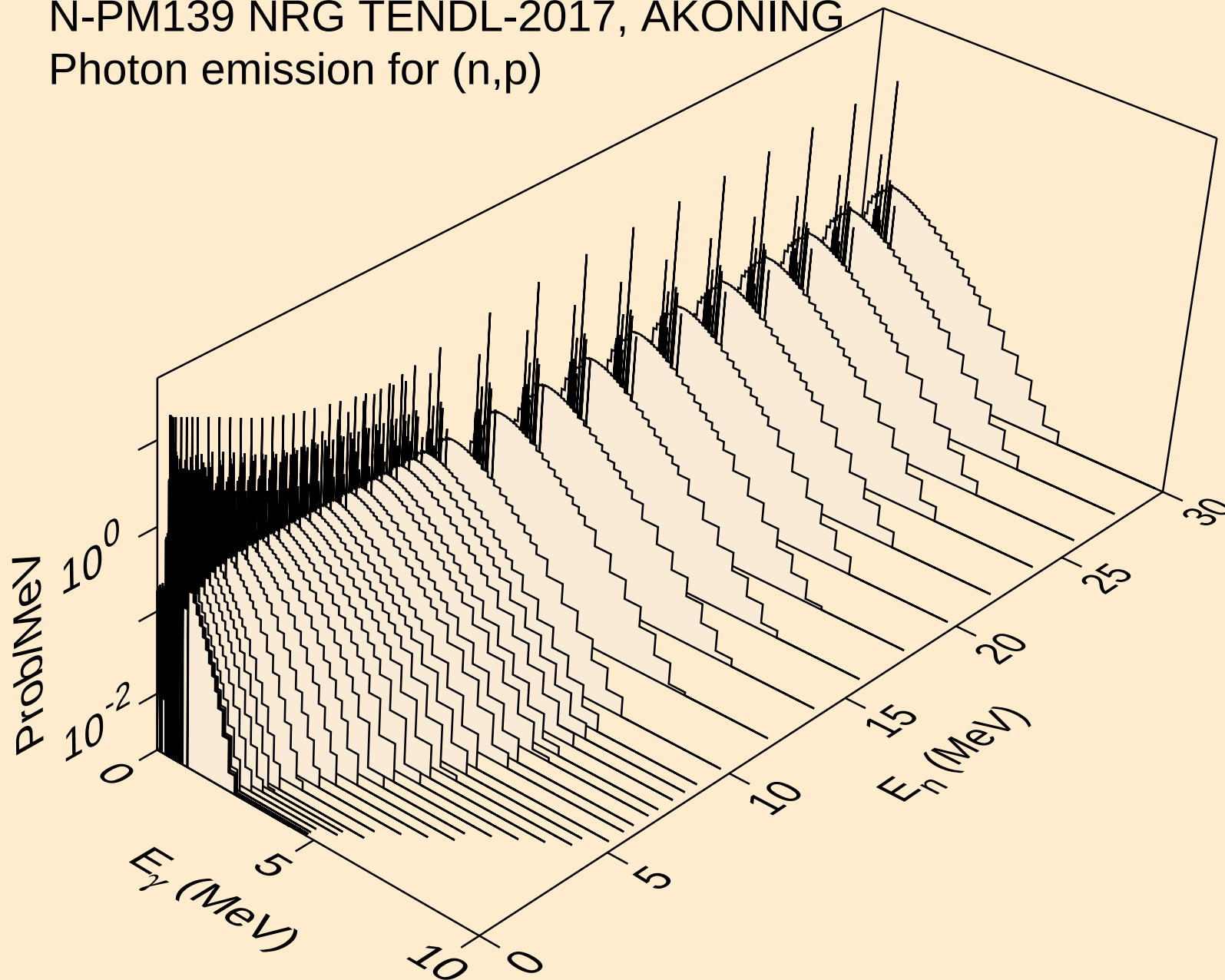
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,n*c)



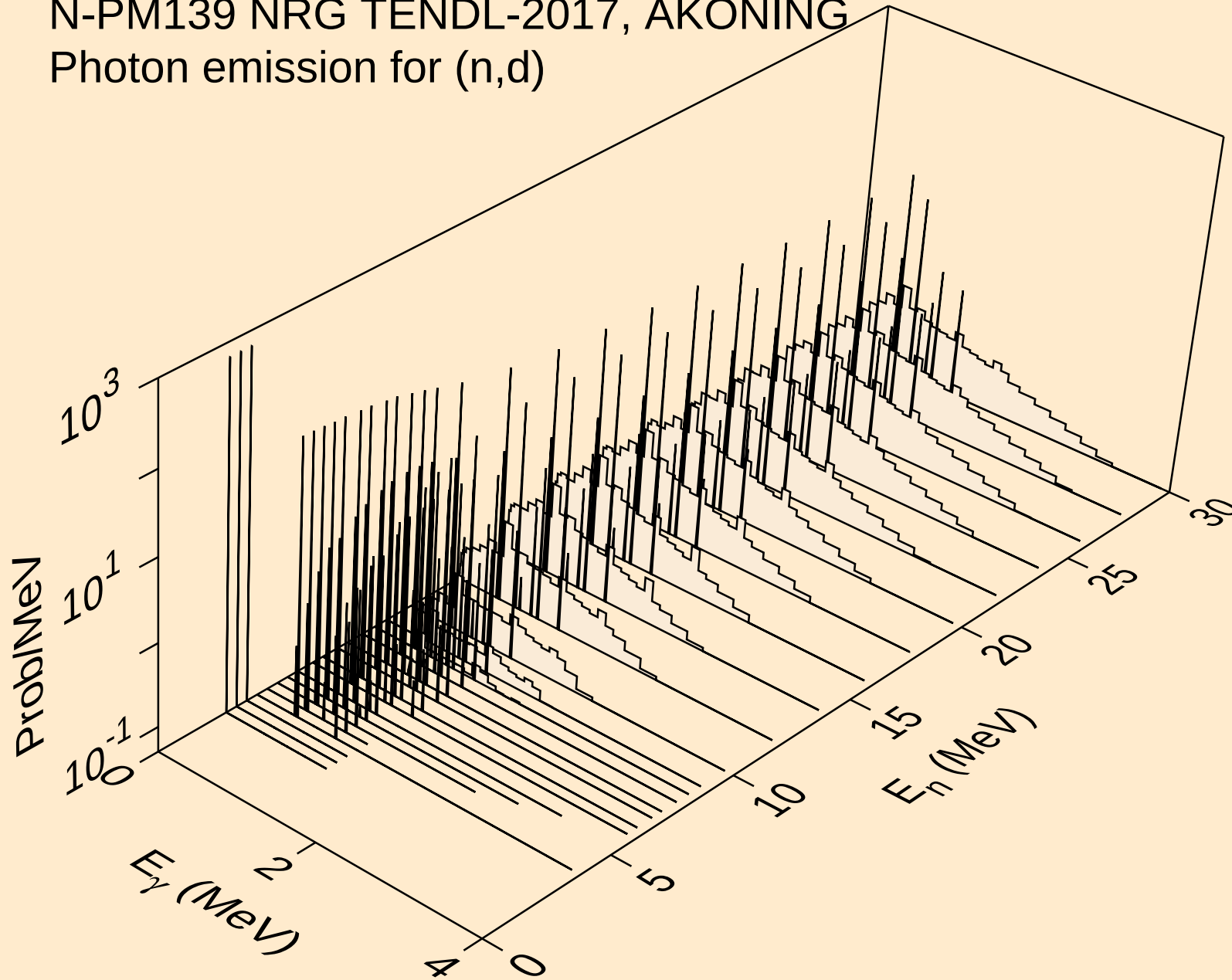
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,gma)



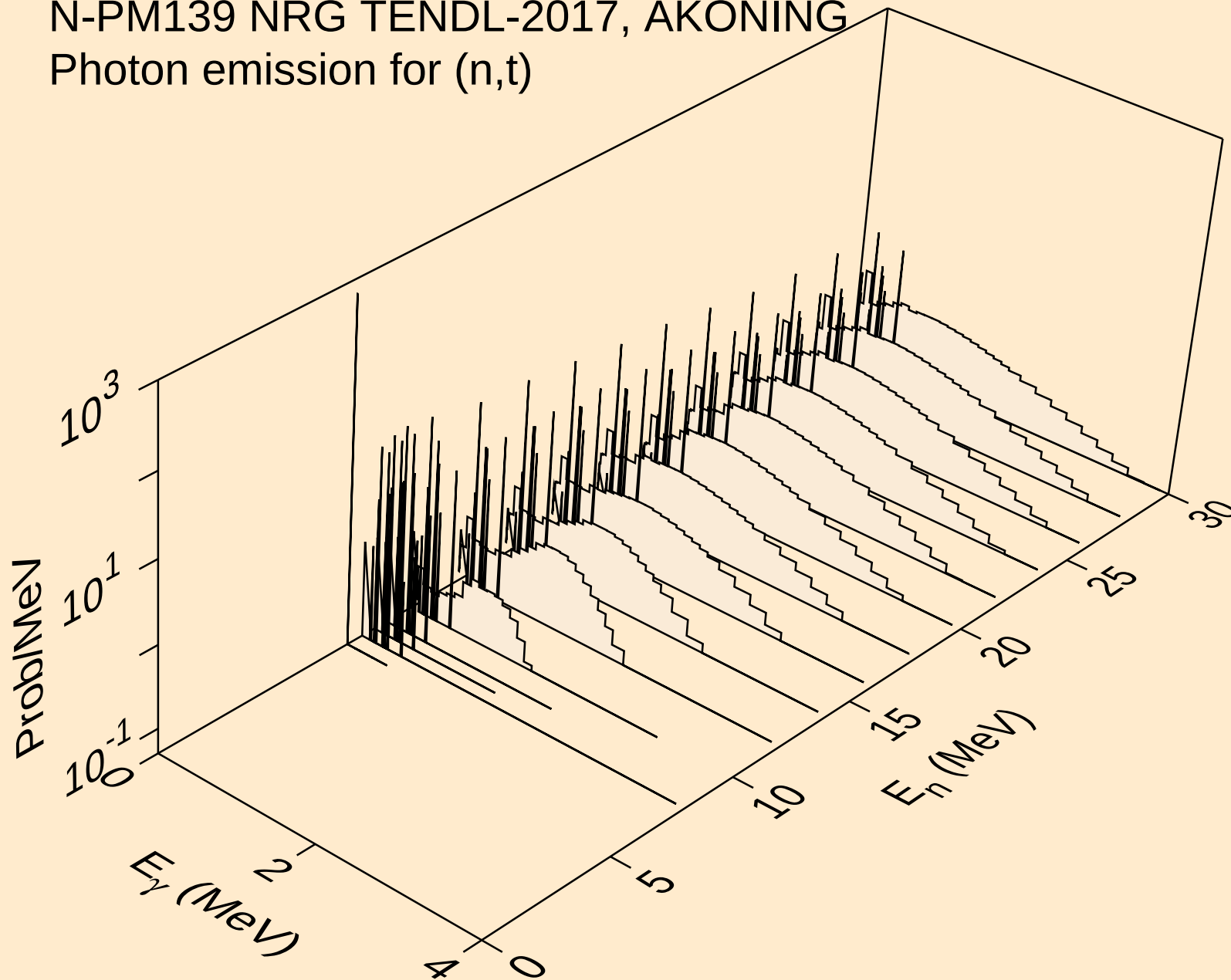
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,p)



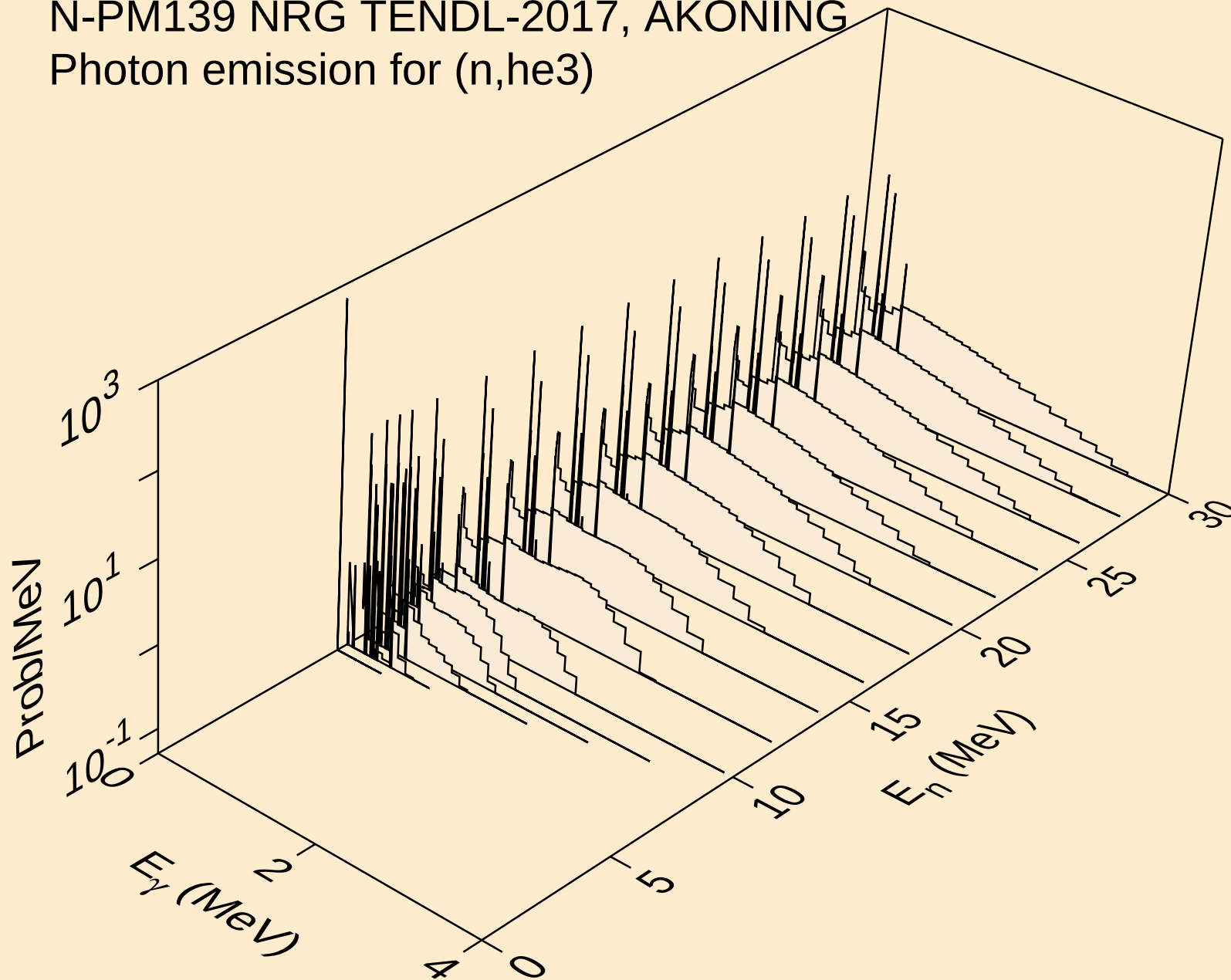
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,d)



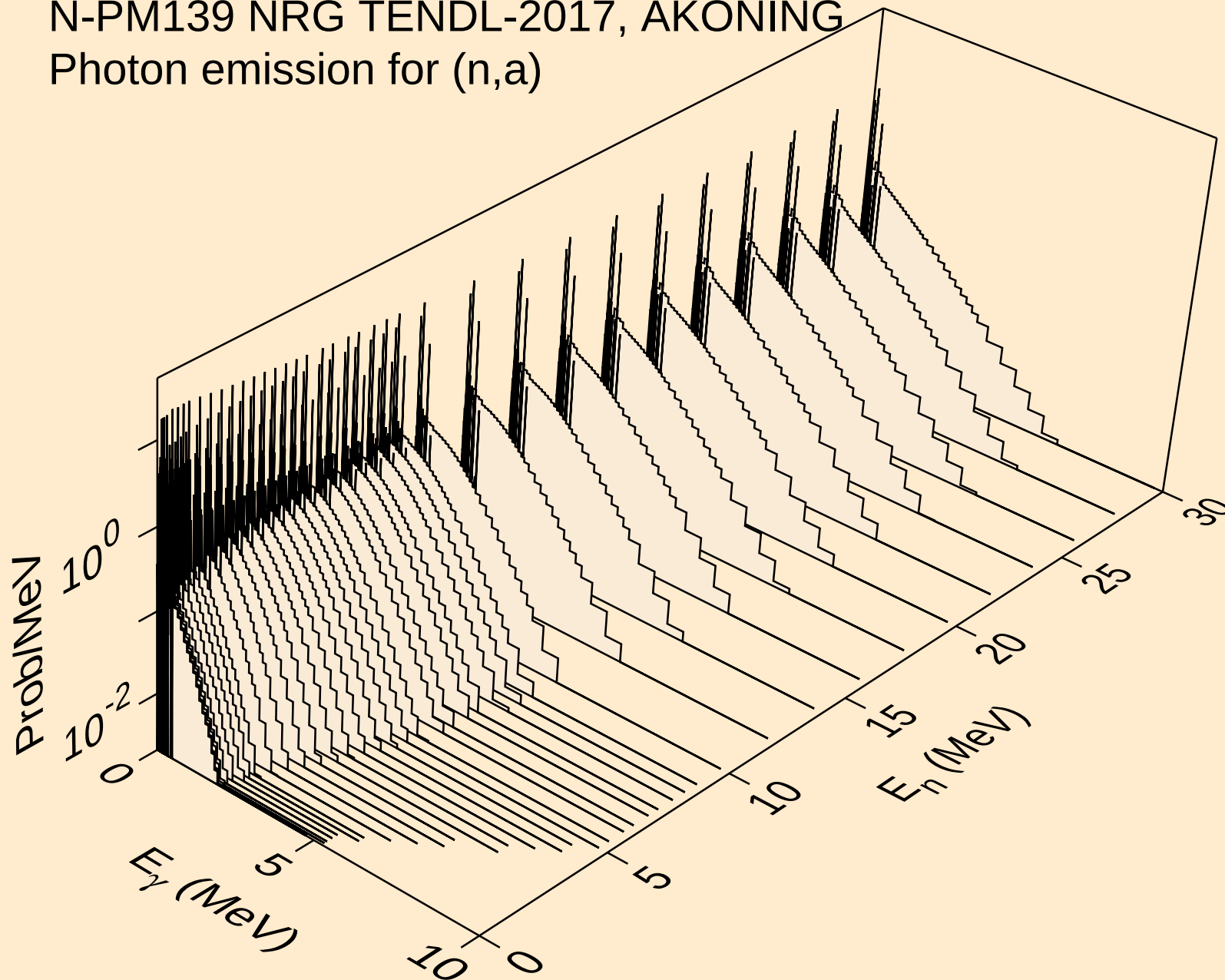
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,t)



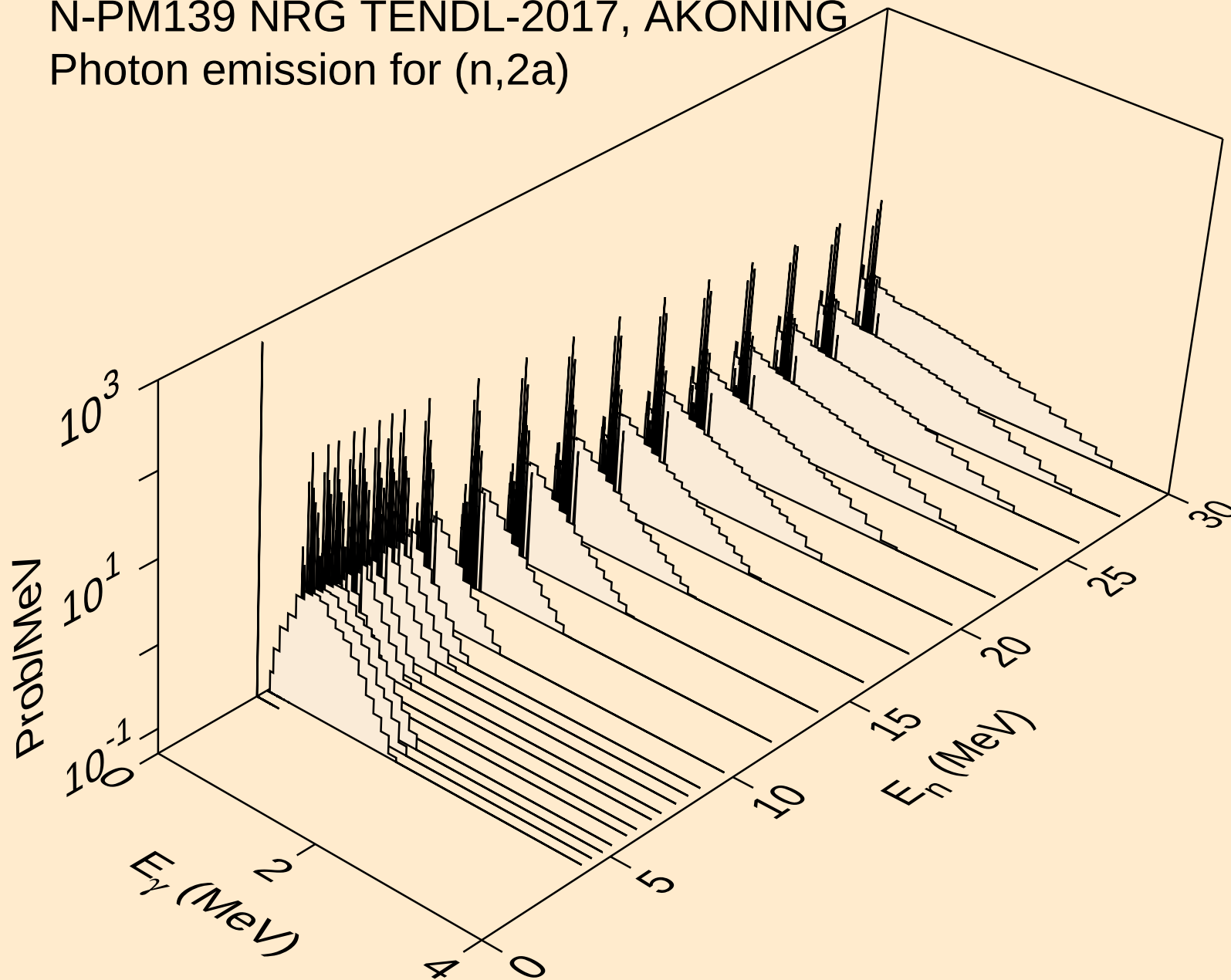
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,he3)



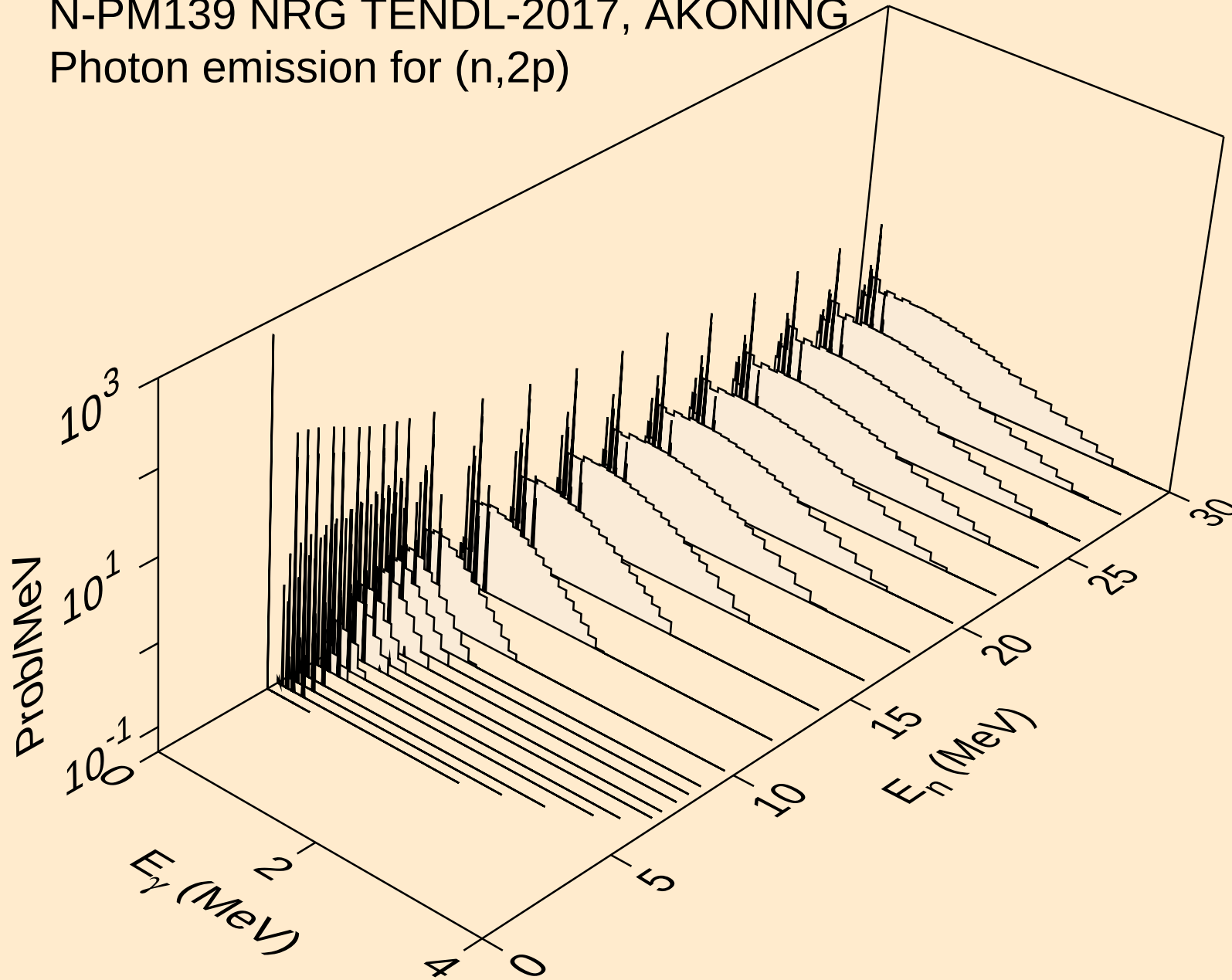
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,a)



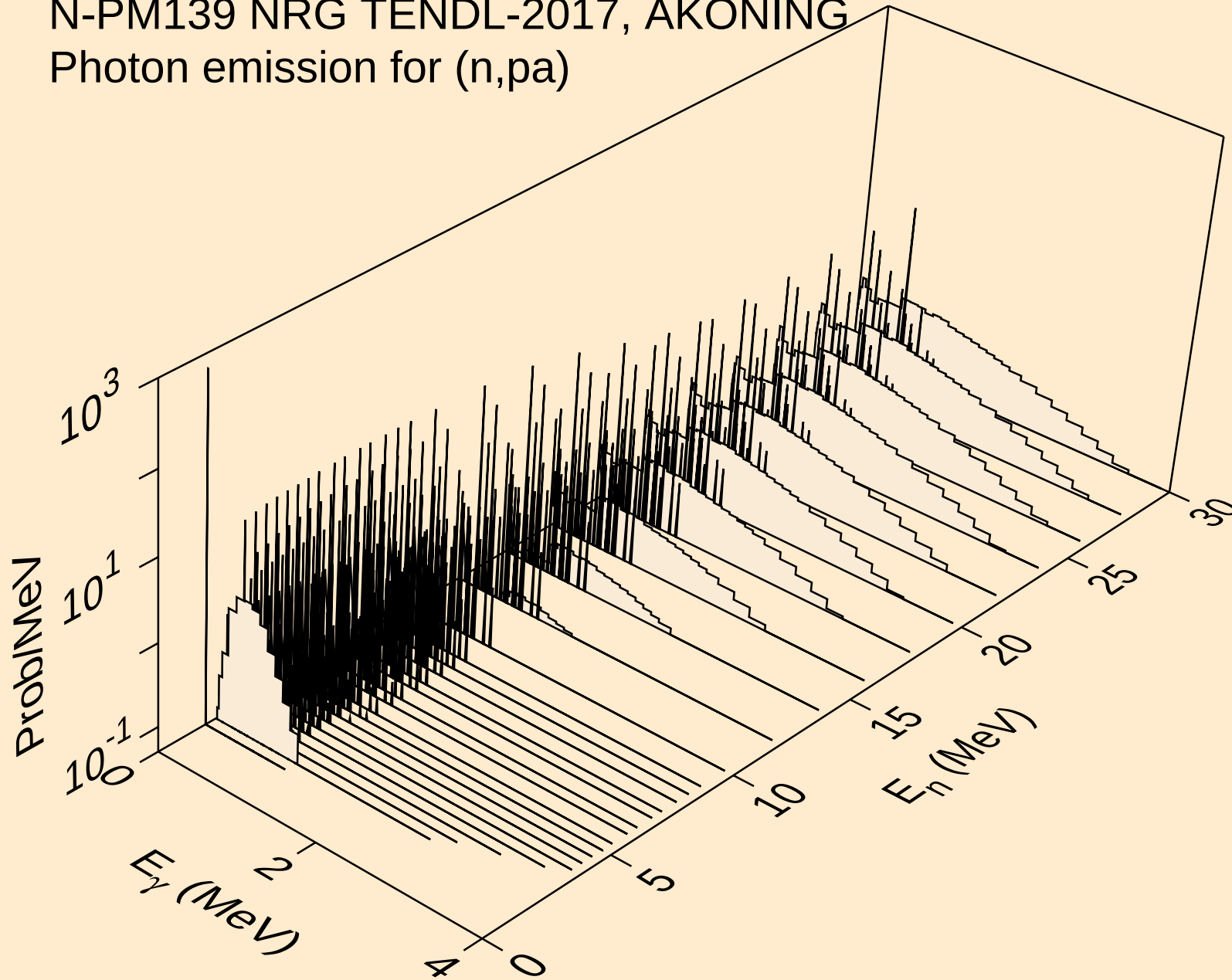
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,2a)



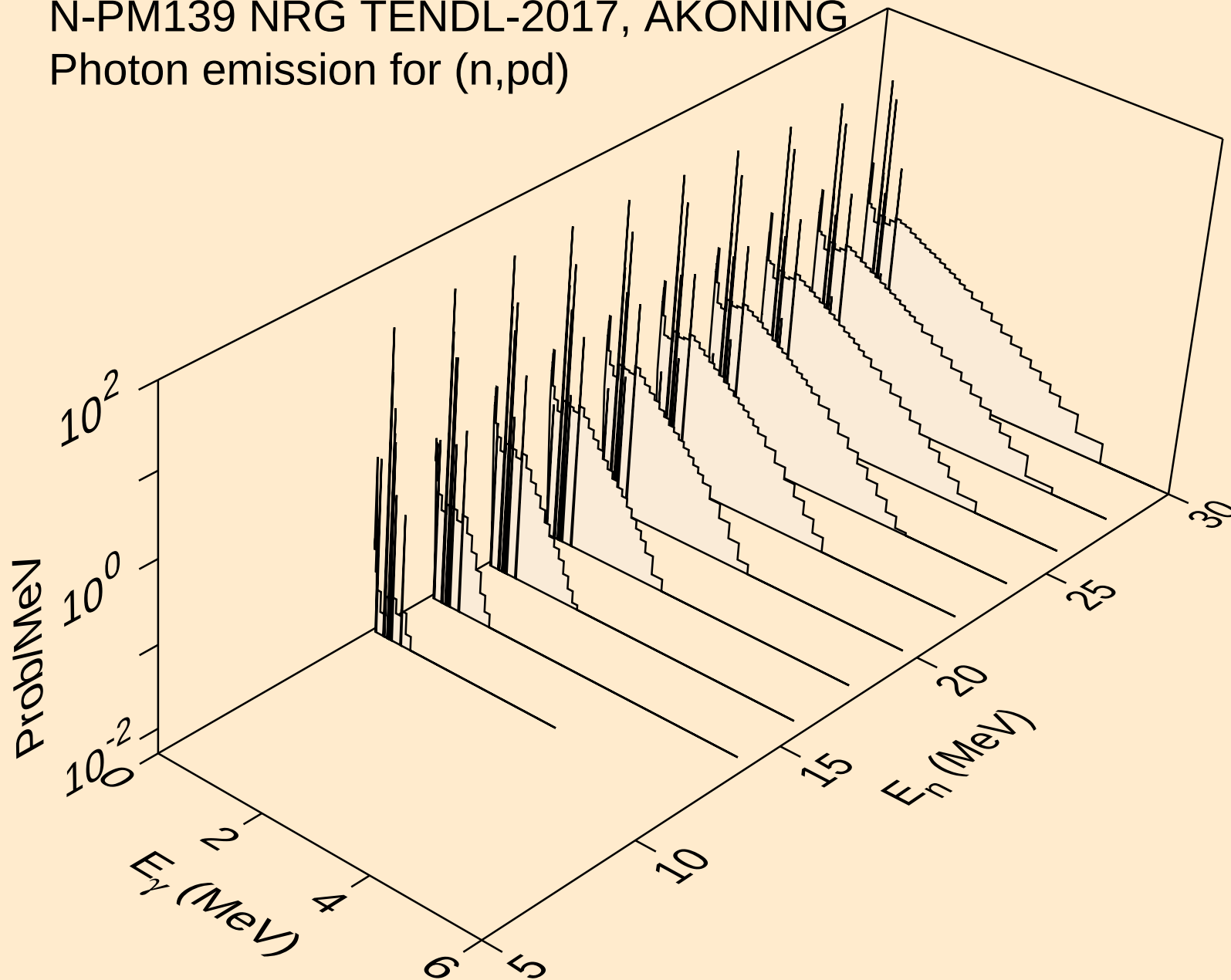
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,2p)



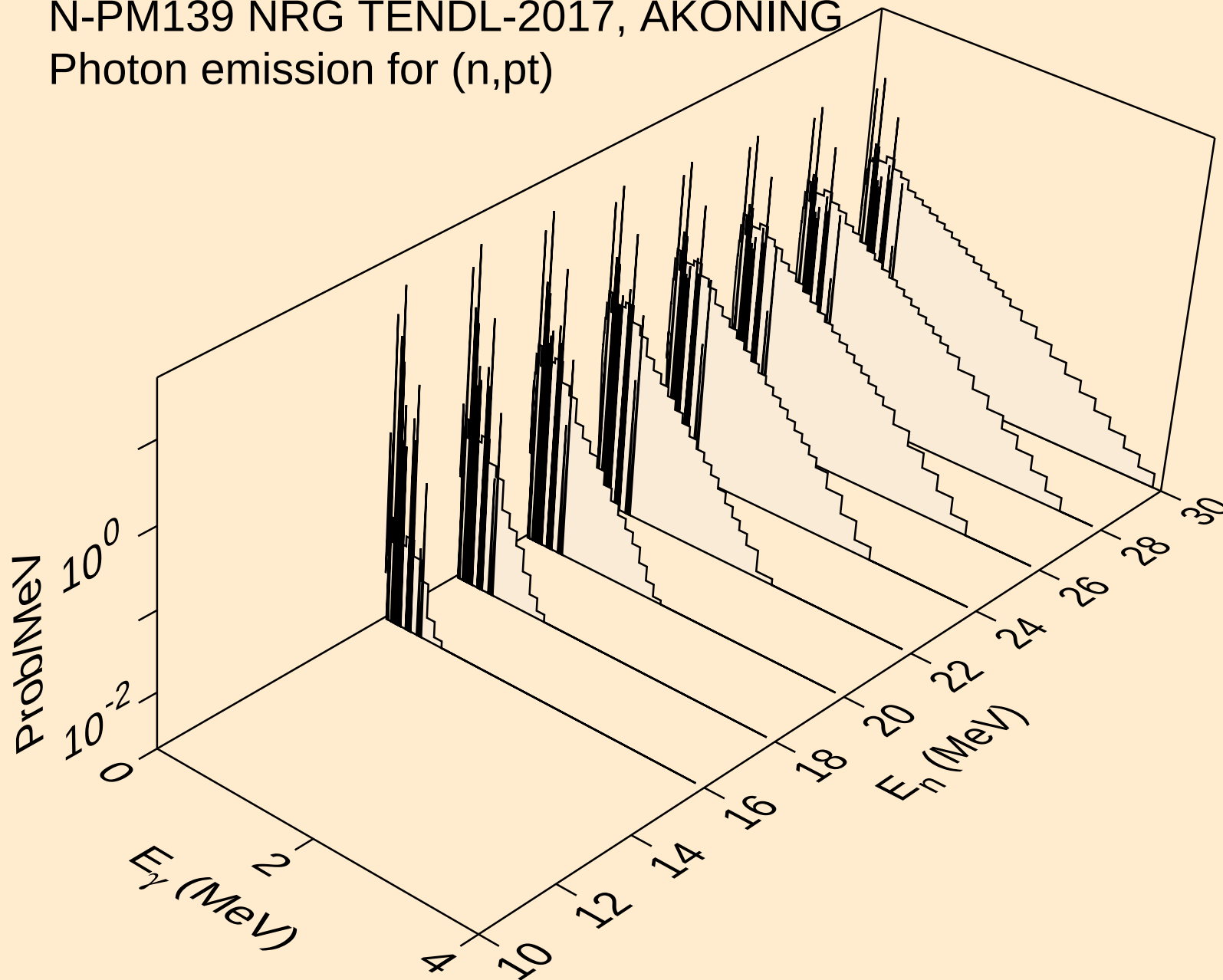
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,p α)



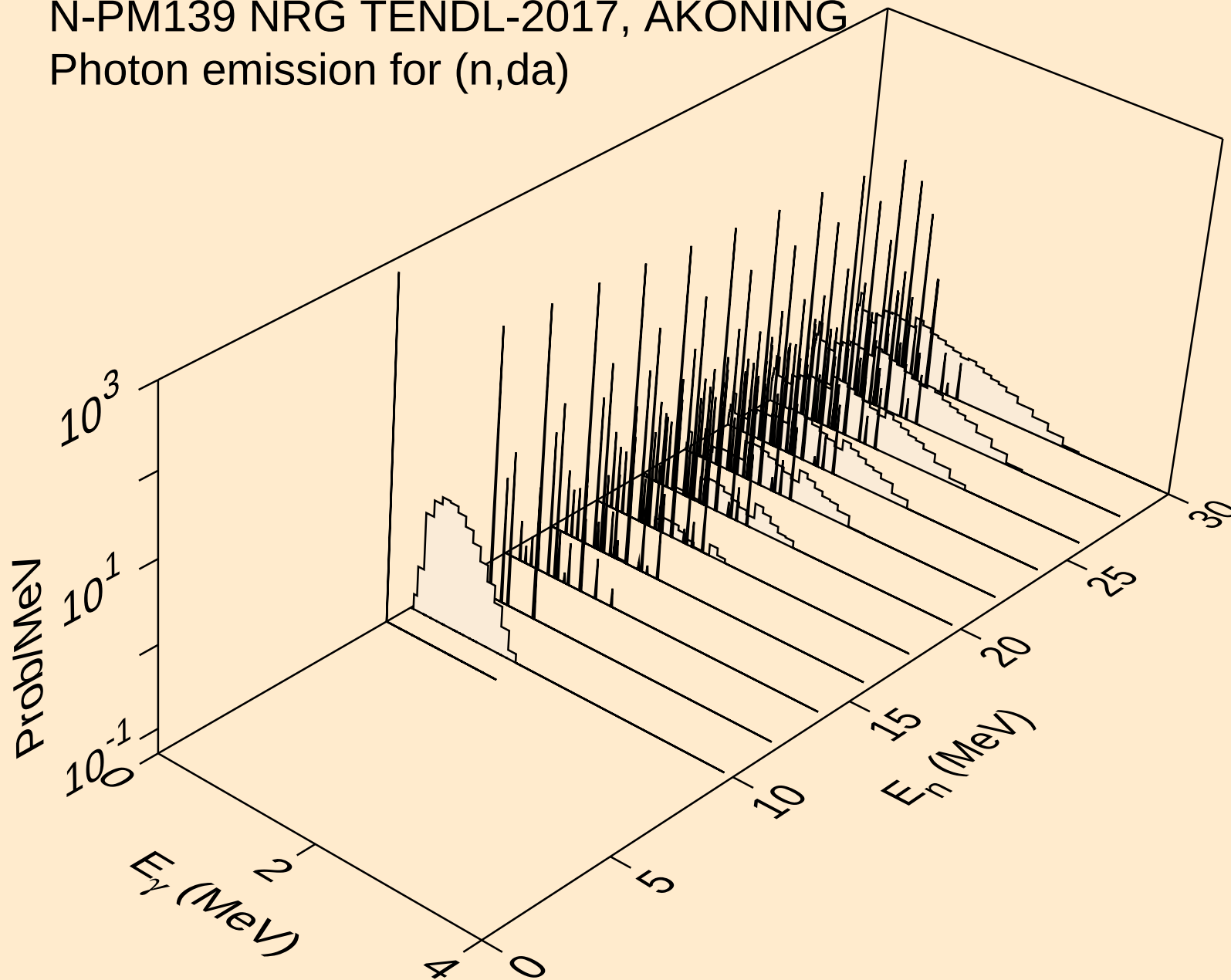
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,pd)



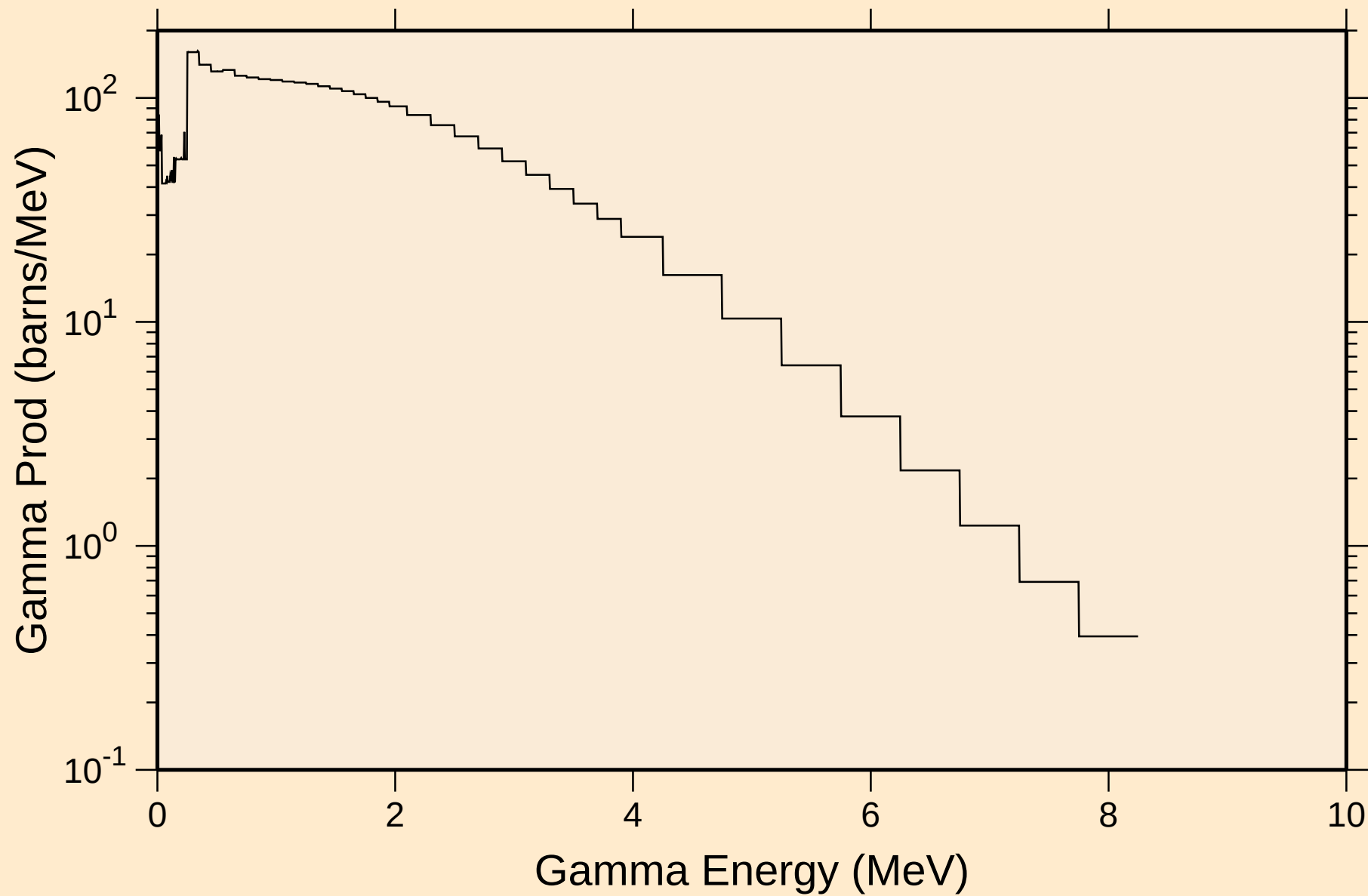
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,pt)



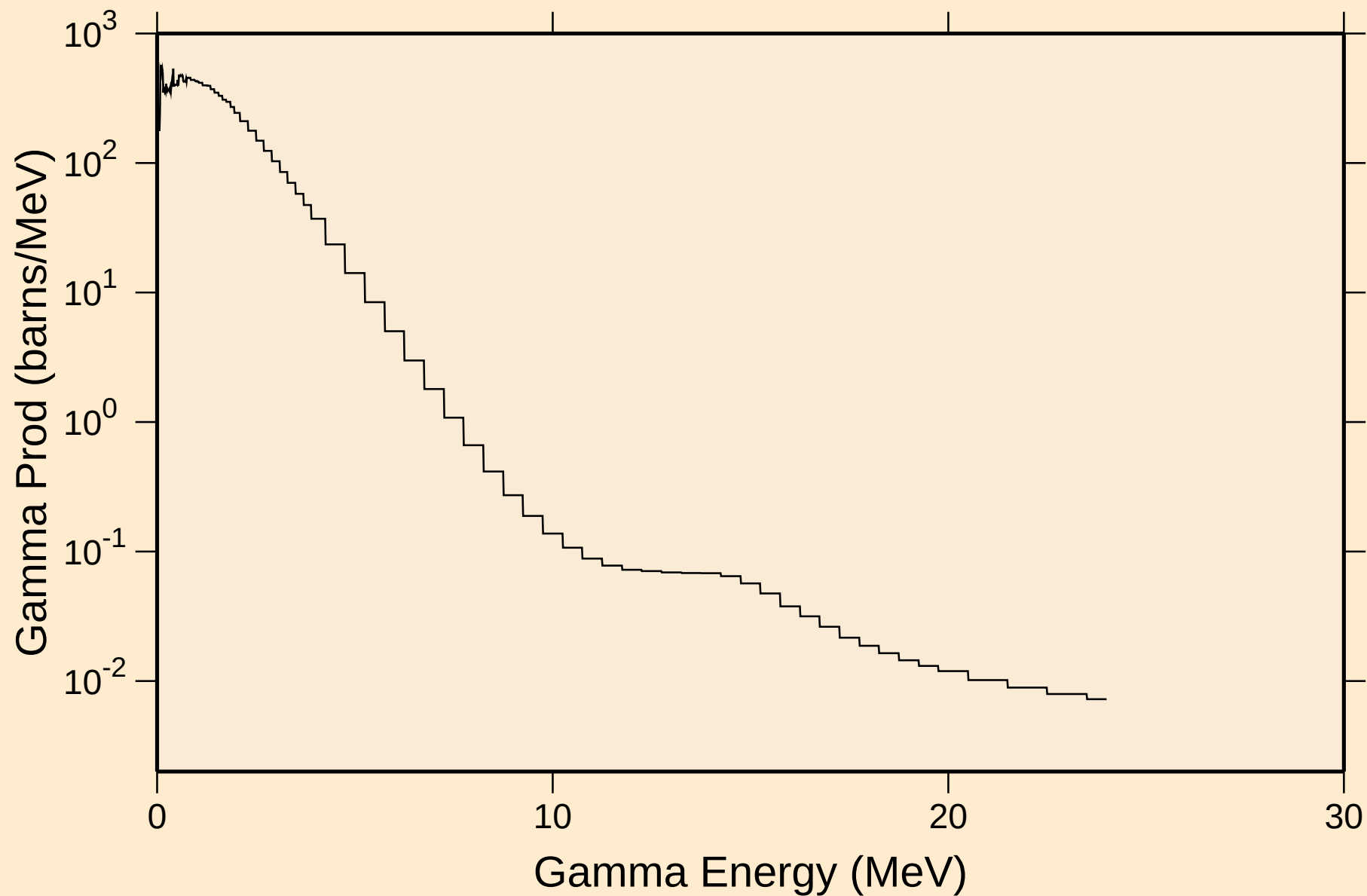
N-PM139 NRG TENDL-2017, AKONING
Photon emission for (n,da)



N-PM139 NRG TENDL-2017, AKONING
thermal capture photon spectrum

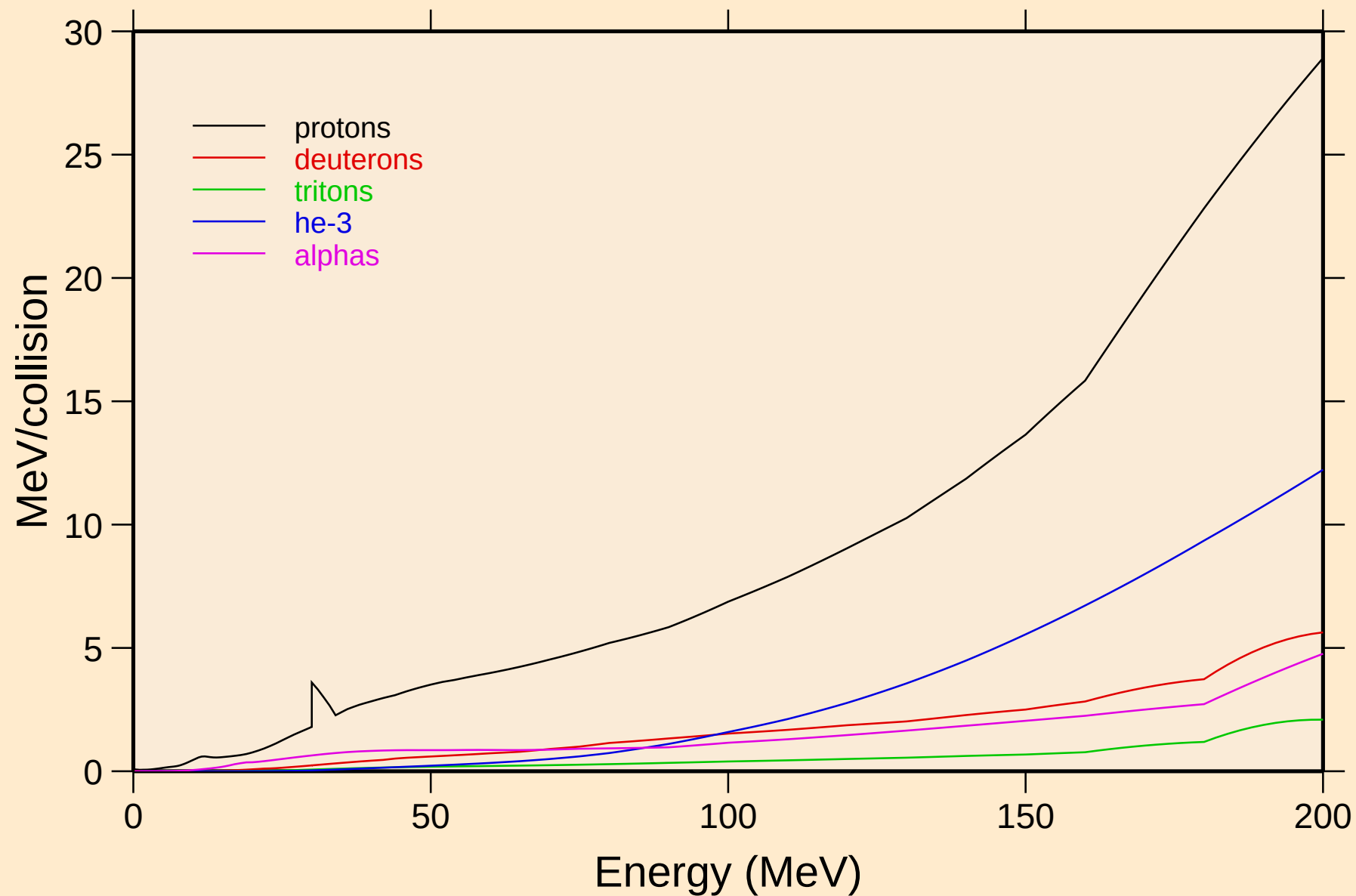


N-PM139 NRG TENDL-2017, AKONING
14 MeV photon spectrum



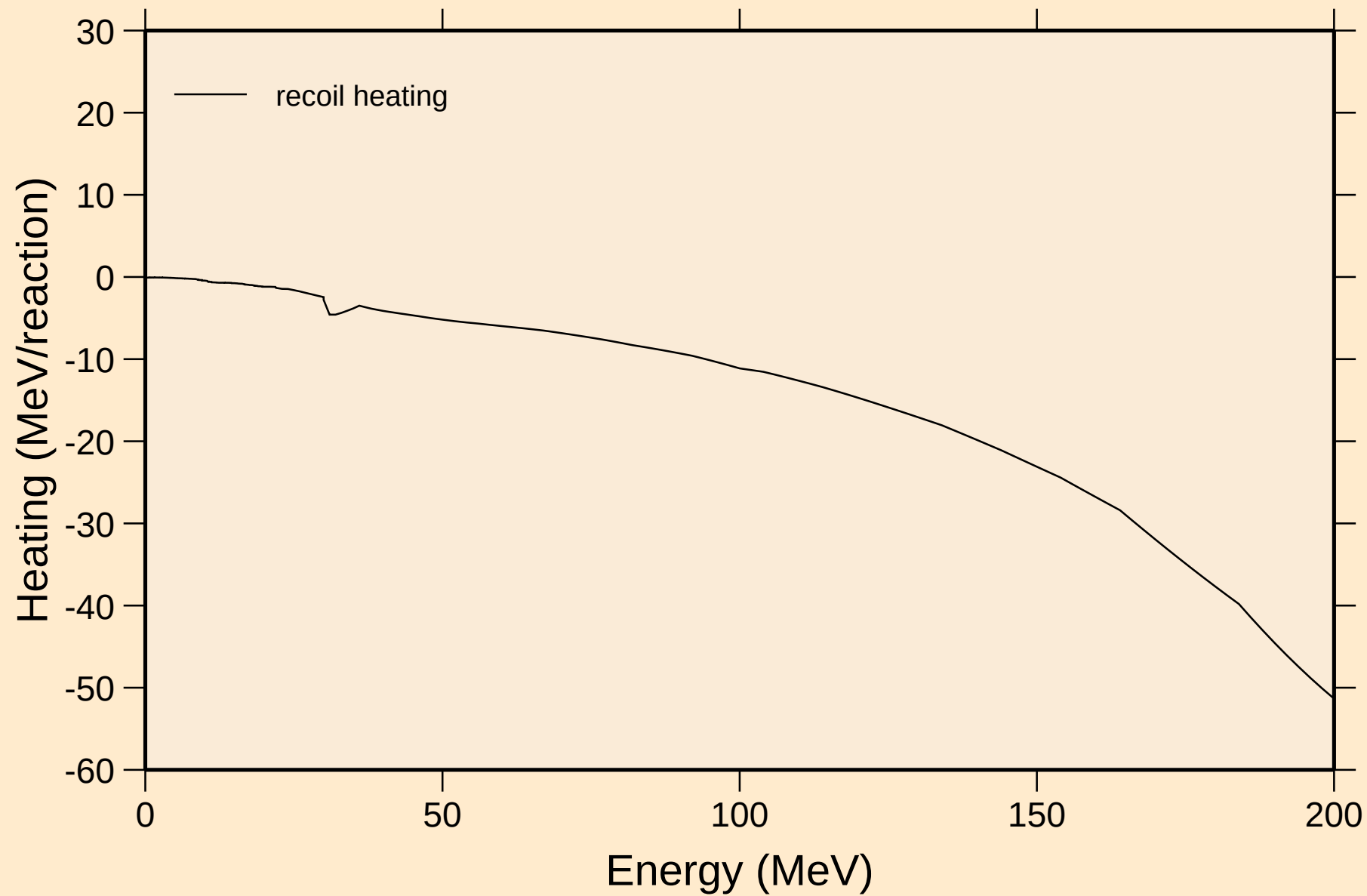
N-PM139 NRG TENDL-2017, AKONING

Particle heating contributions



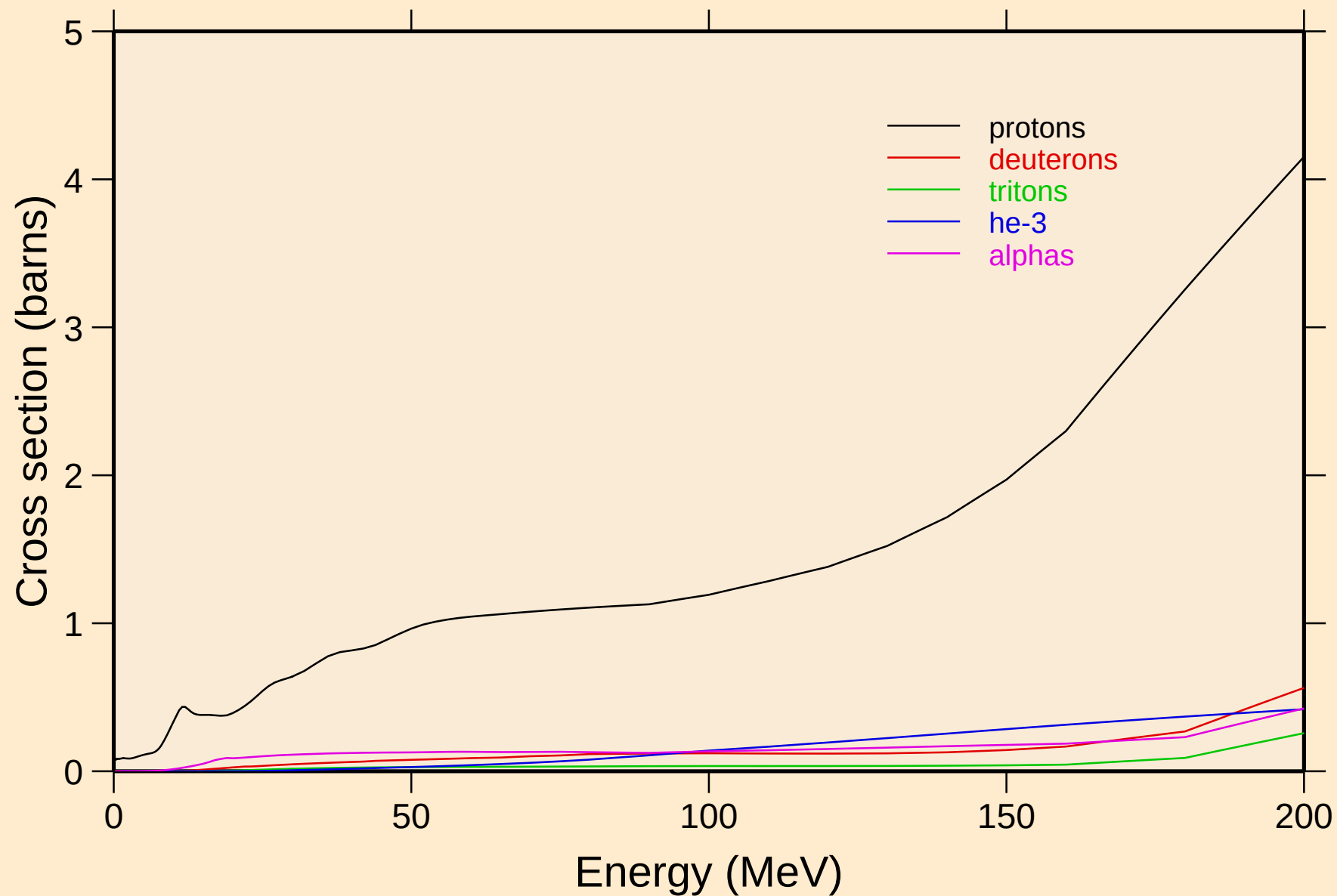
N-PM139 NRG TENDL-2017, AKONING

Recoil Heating

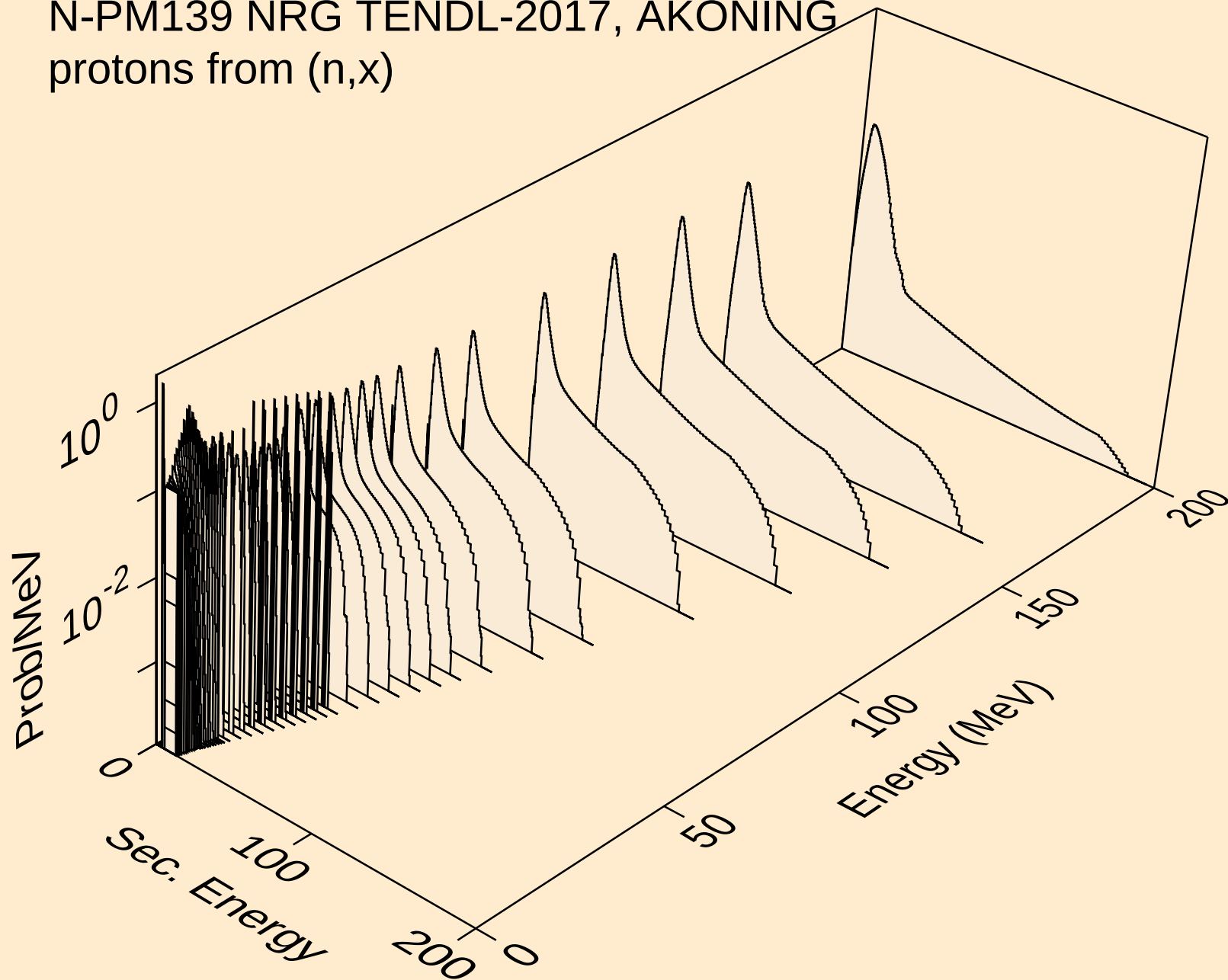


N-PM139 NRG TENDL-2017, AKONING

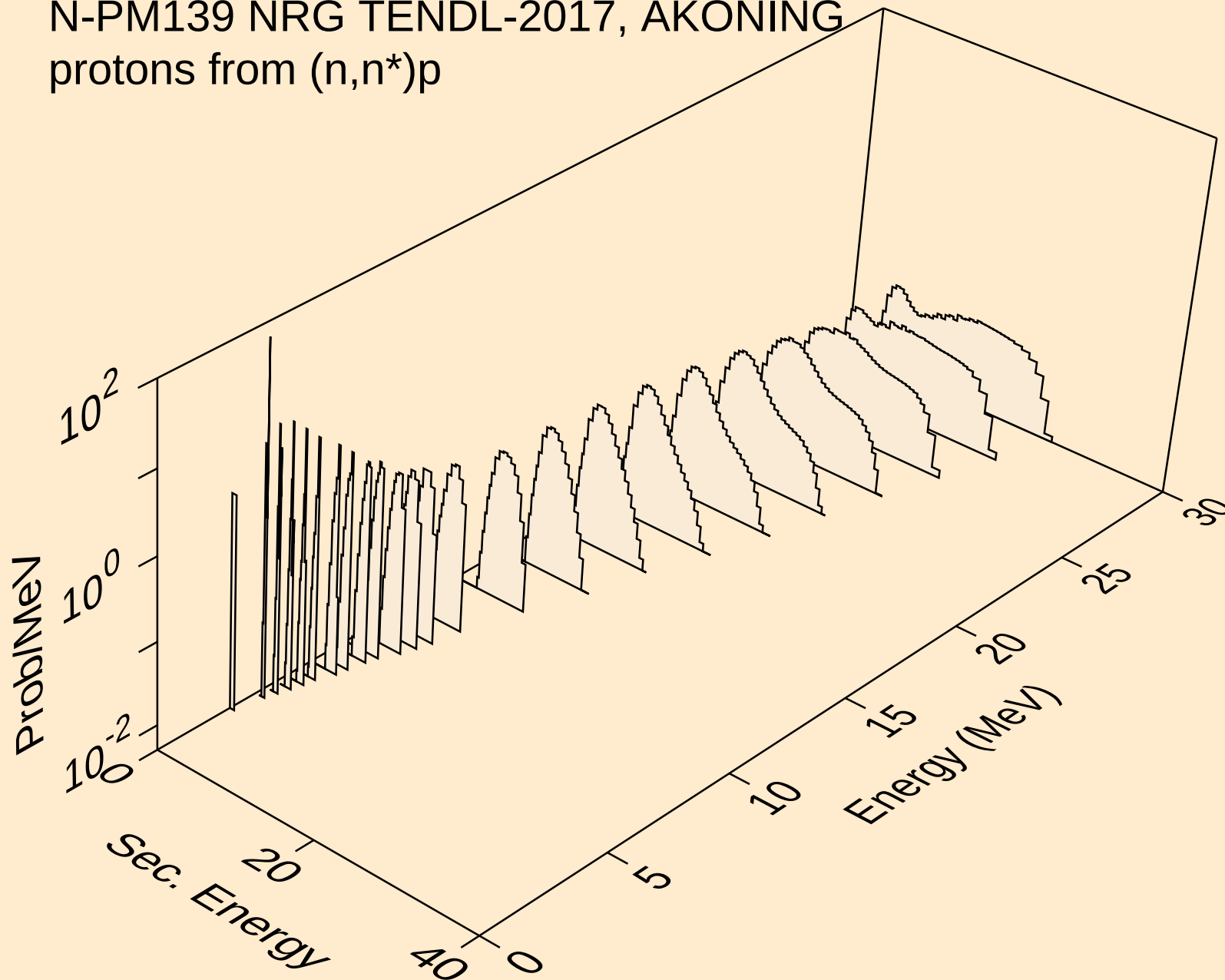
Particle production cross sections



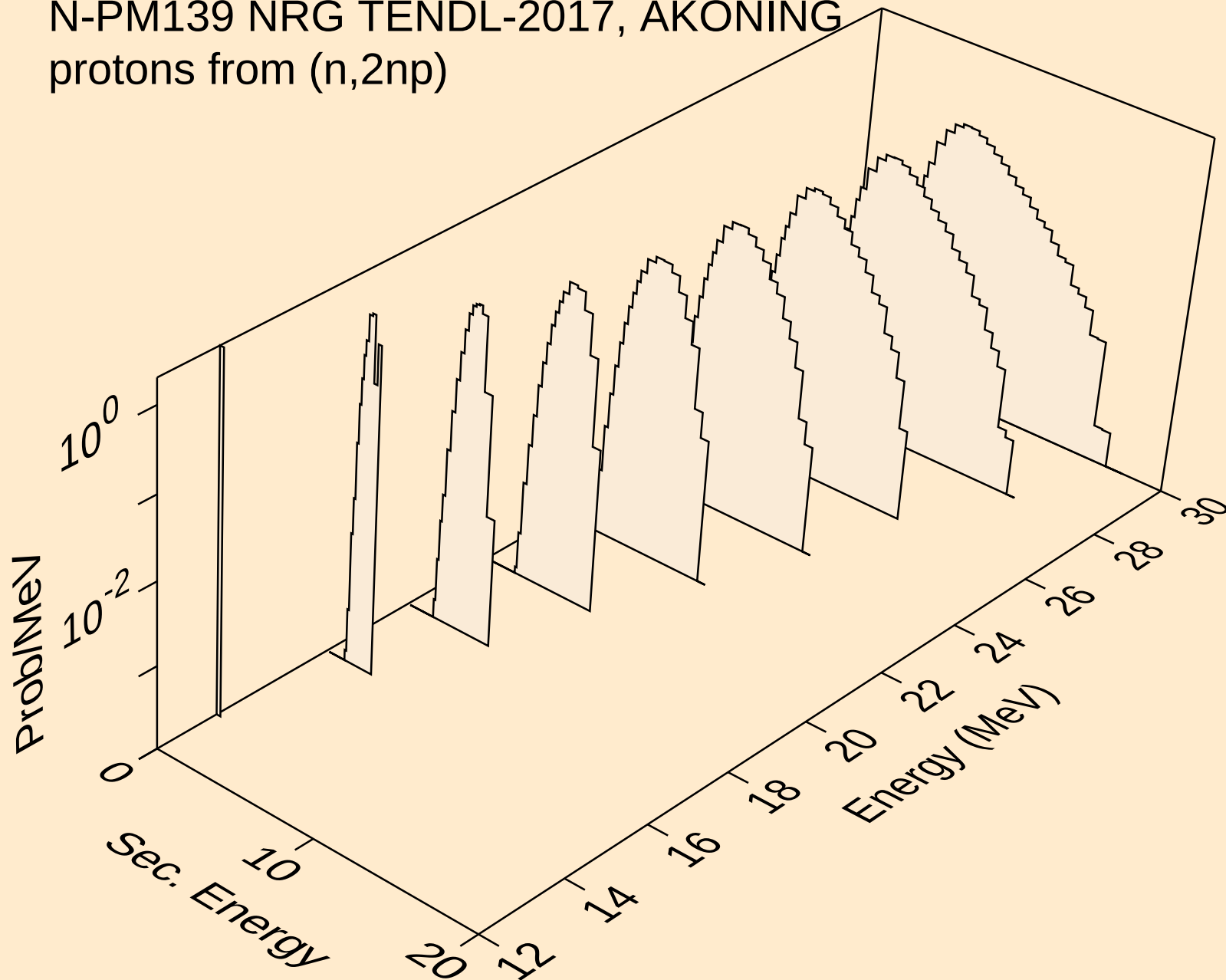
N-PM139 NRG TENDL-2017, AKONING
protons from (n,x)



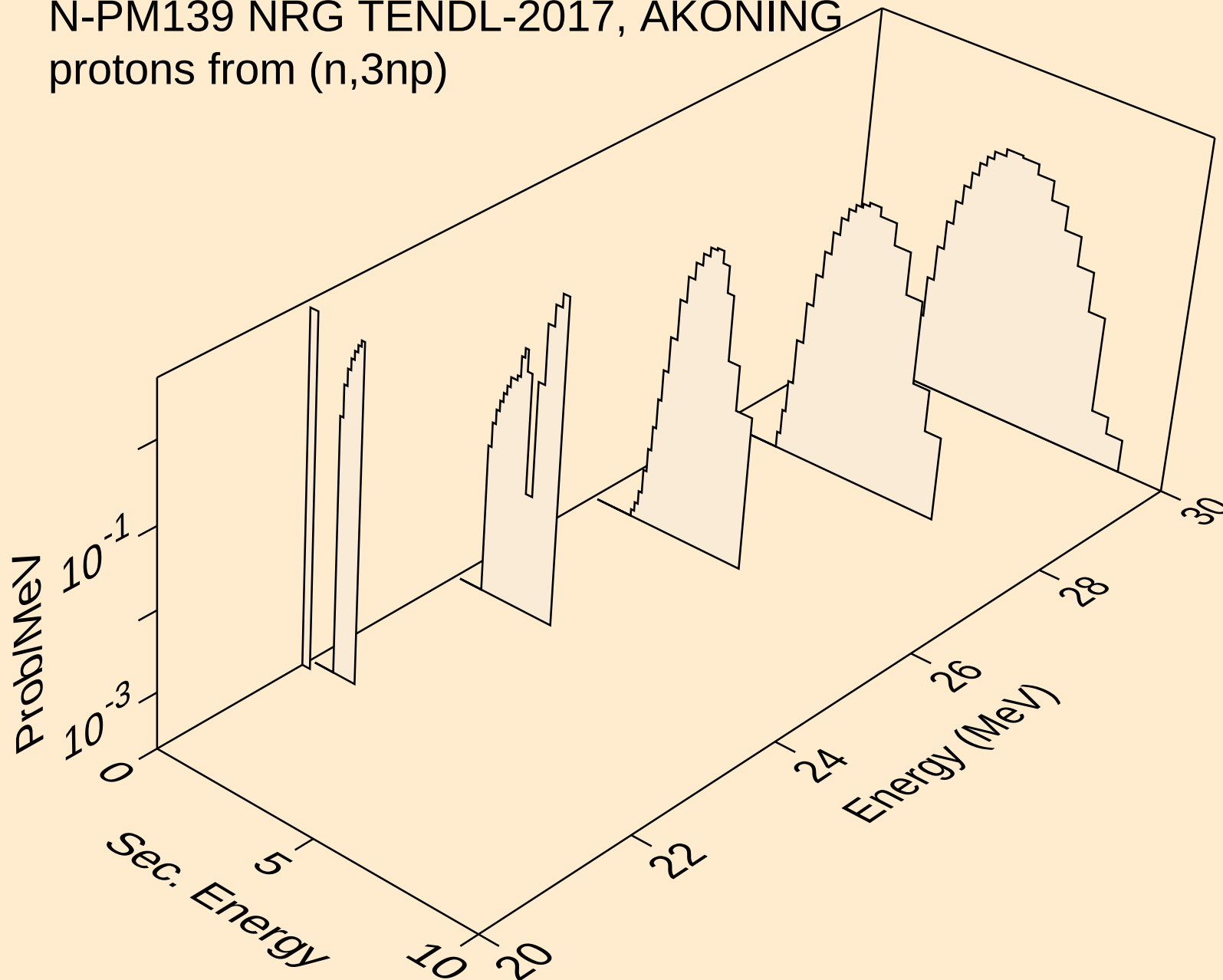
N-PM139 NRG TENDL-2017, AKONING
protons from $(n,n^*)p$



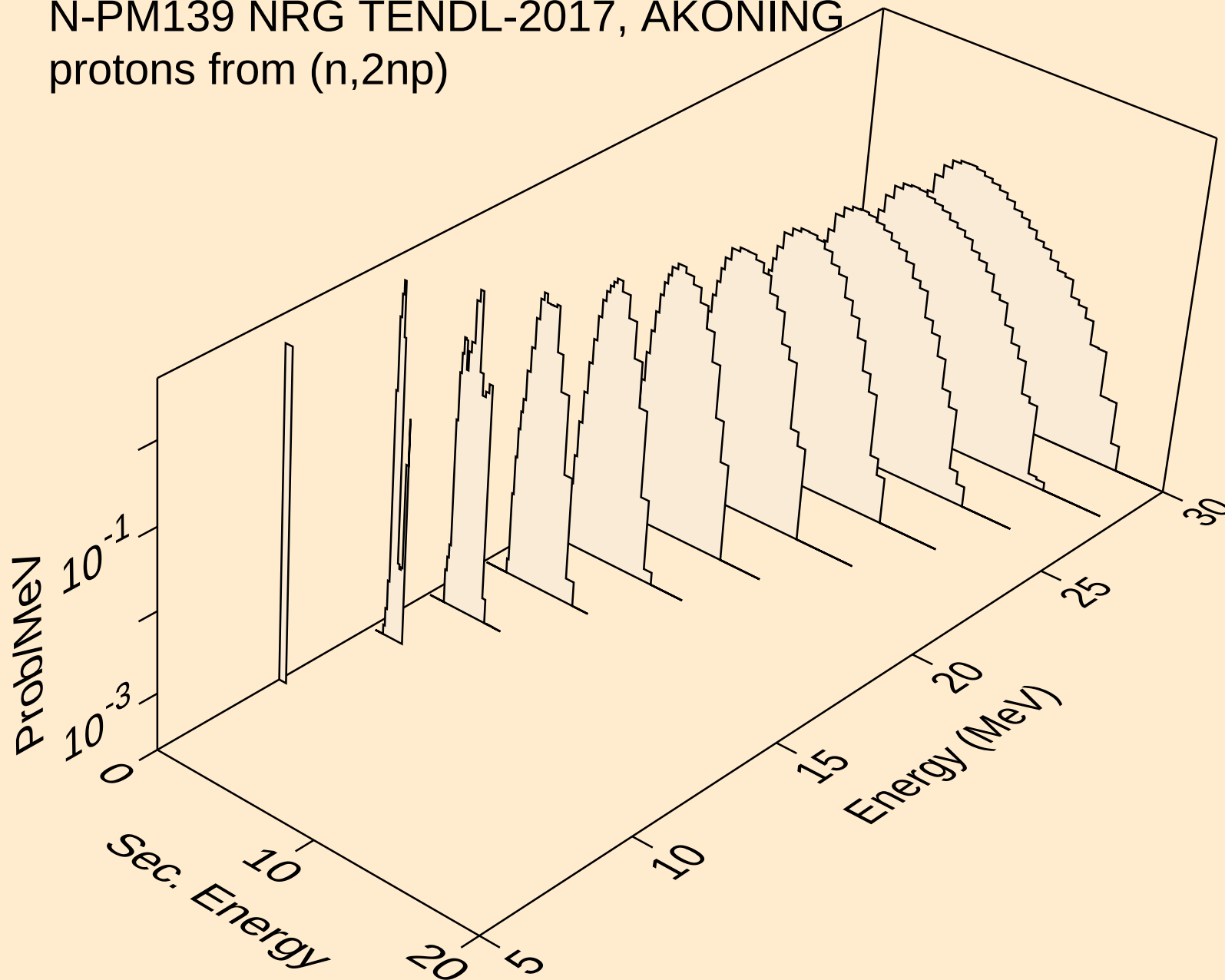
N-PM139 NRG TENDL-2017, AKONING
protons from (n,2np)



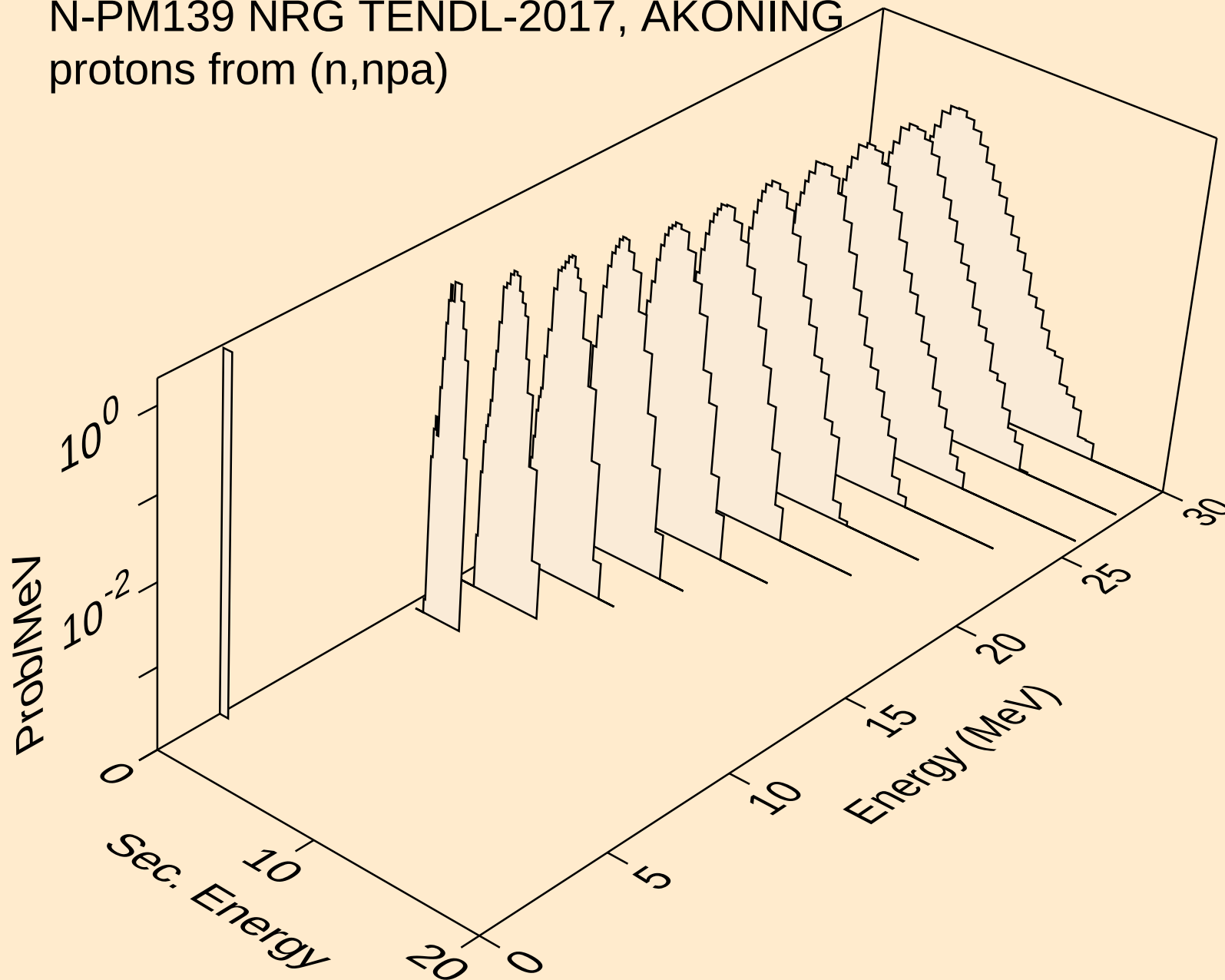
N-PM139 NRG TENDL-2017, AKONING
protons from (n,3np)



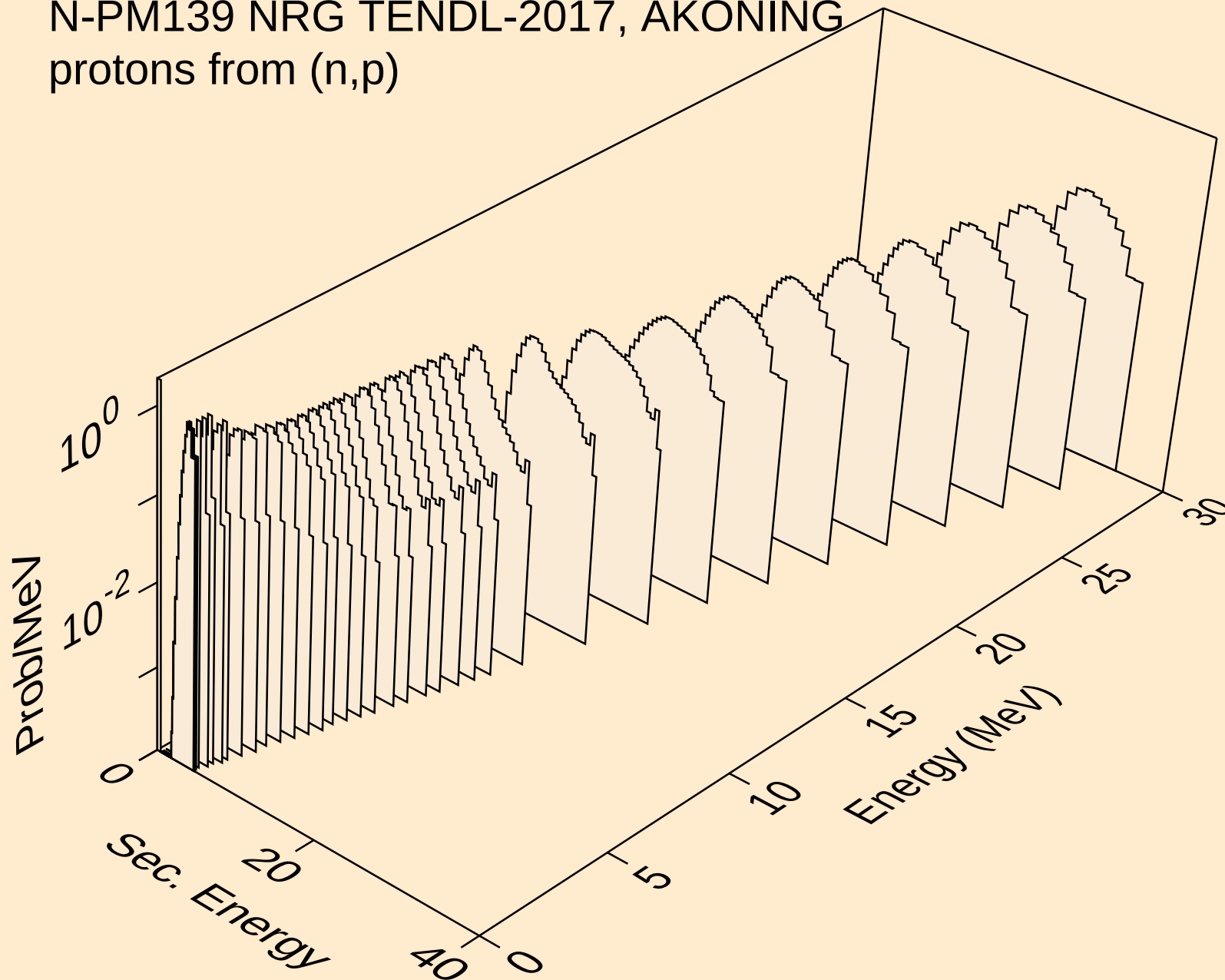
N-PM139 NRG TENDL-2017, AKONING
protons from (n,2np)



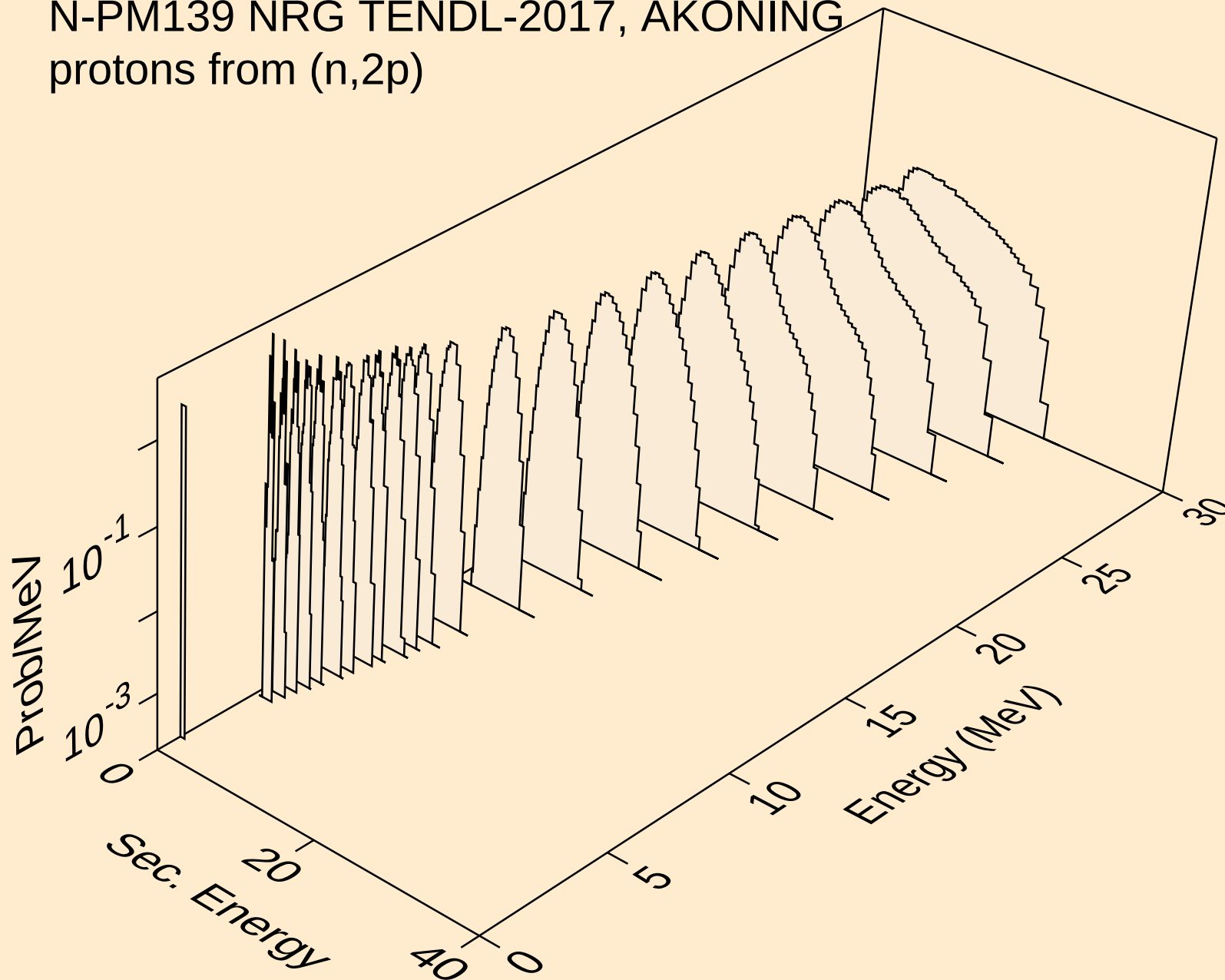
N-PM139 NRG TENDL-2017, AKONING
protons from (n,npa)



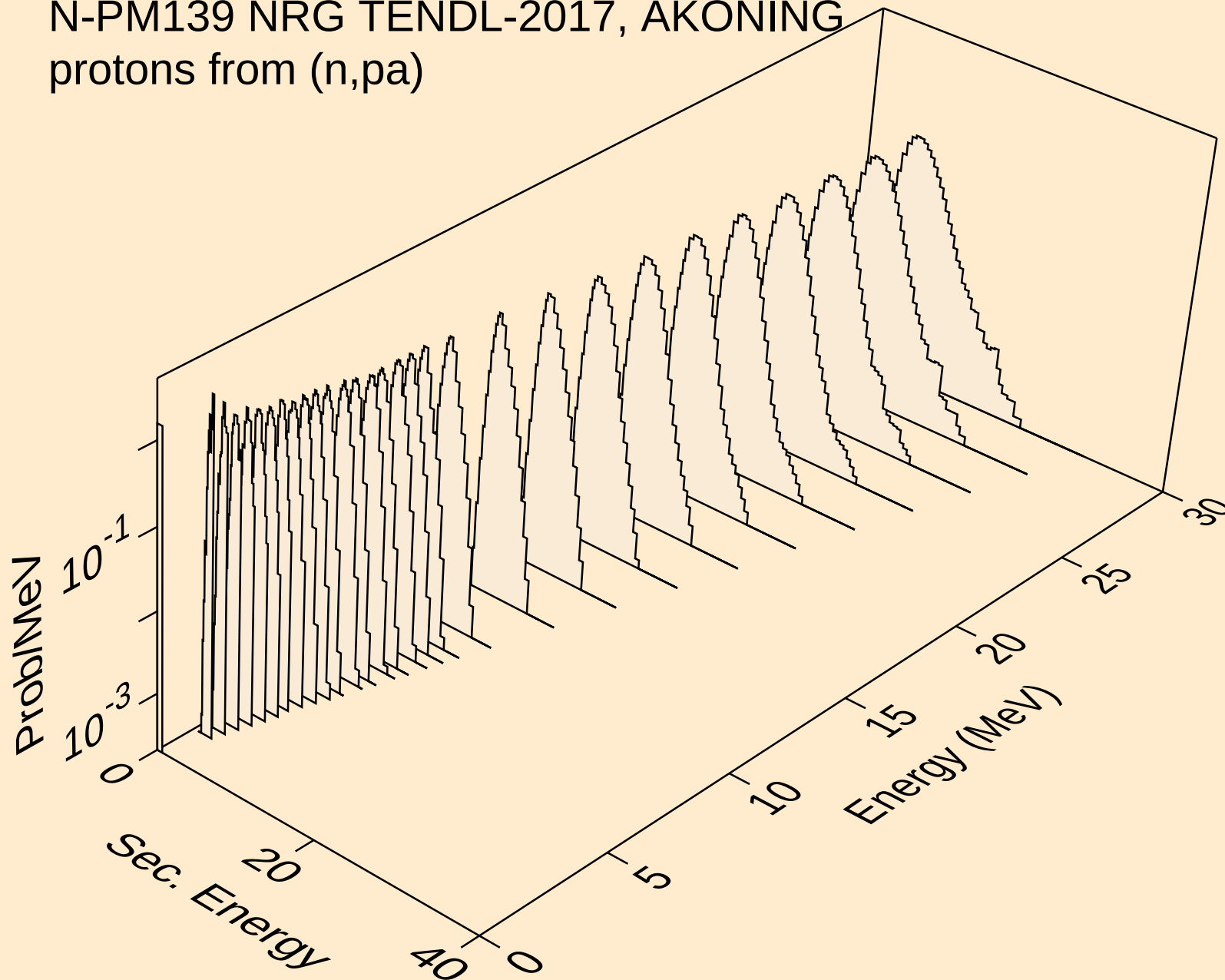
N-PM139 NRG TENDL-2017, AKONING
protons from (n,p)



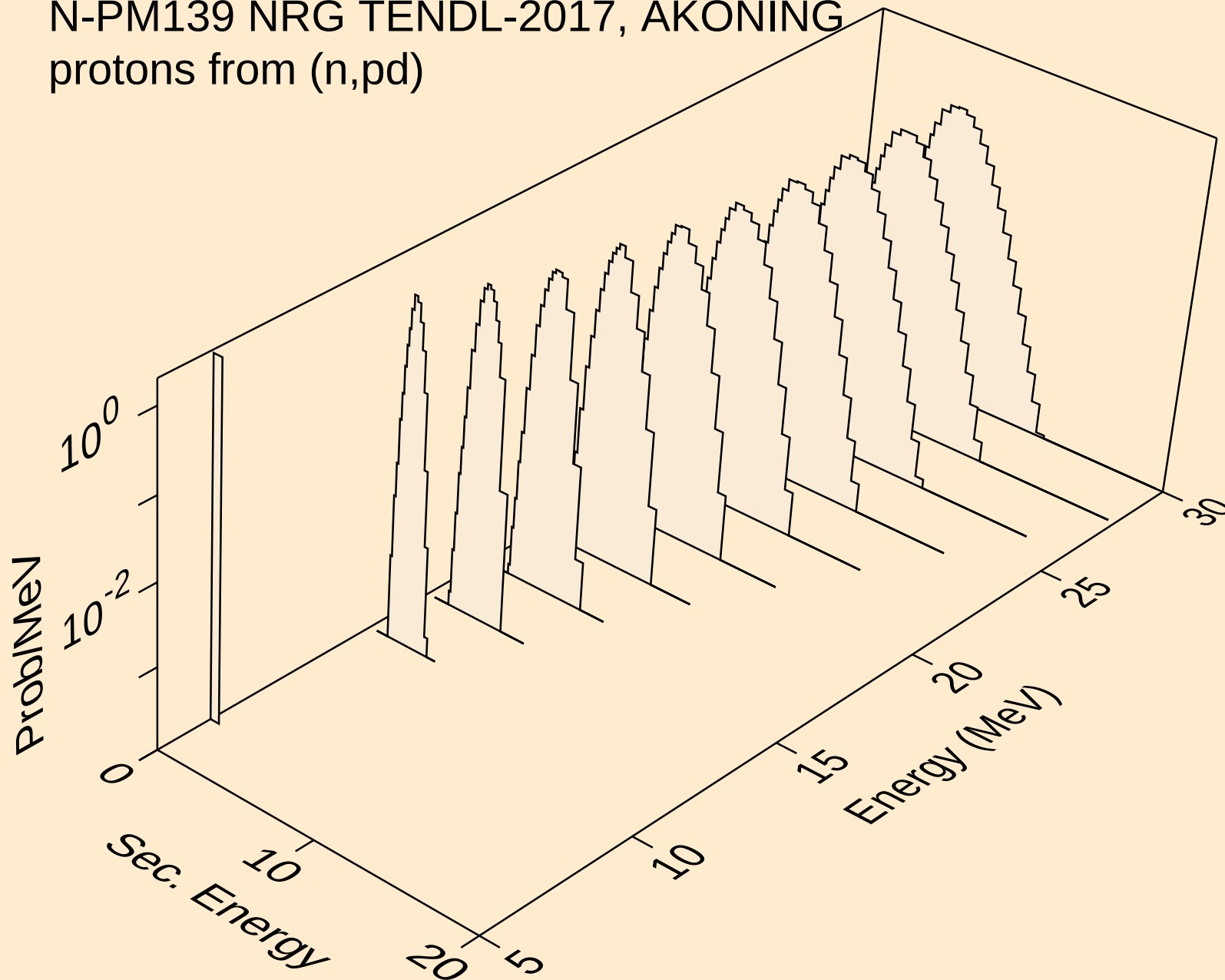
N-PM139 NRG TENDL-2017, AKONING
protons from (n,2p)



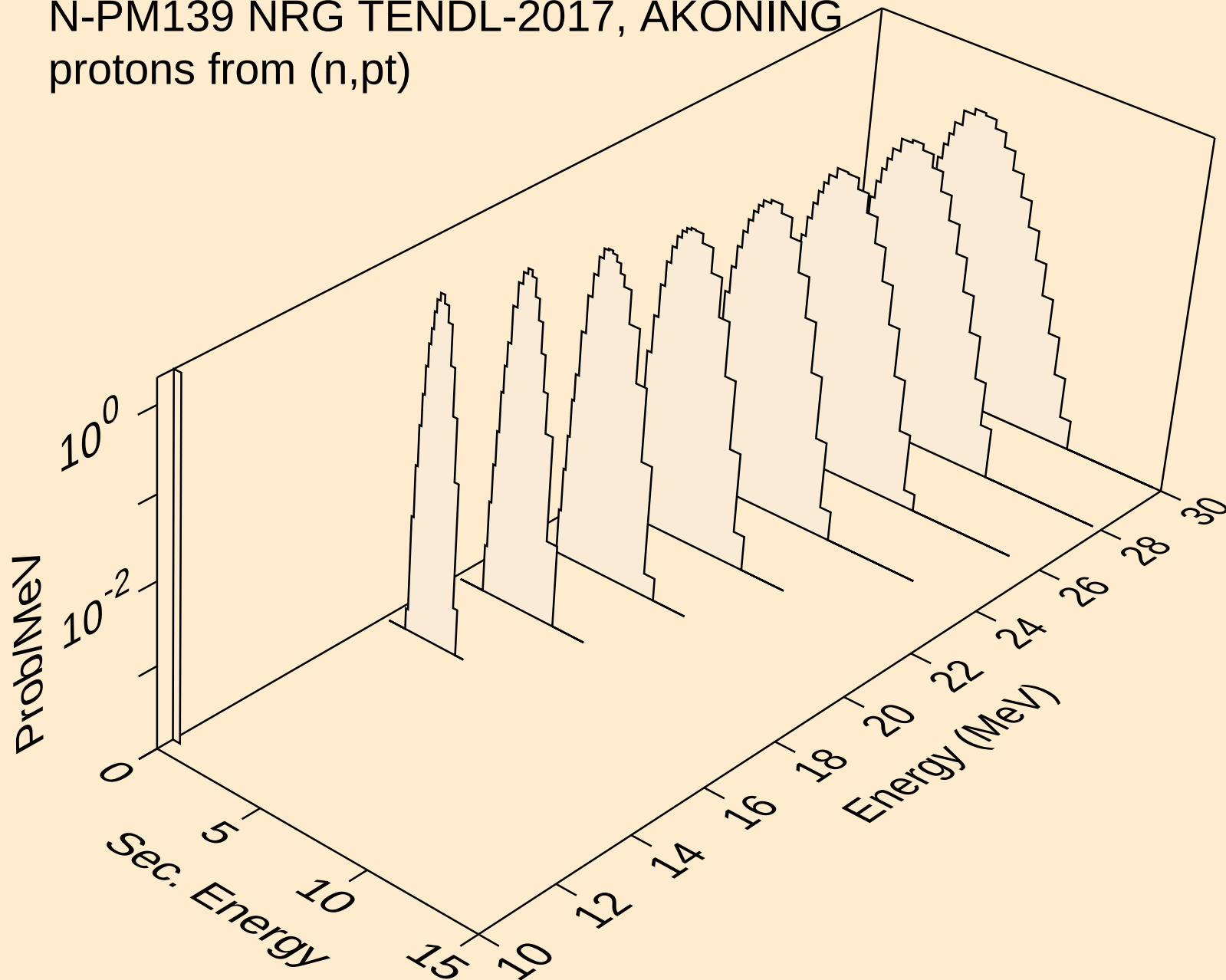
N-PM139 NRG TENDL-2017, AKONING
protons from (n,pa)



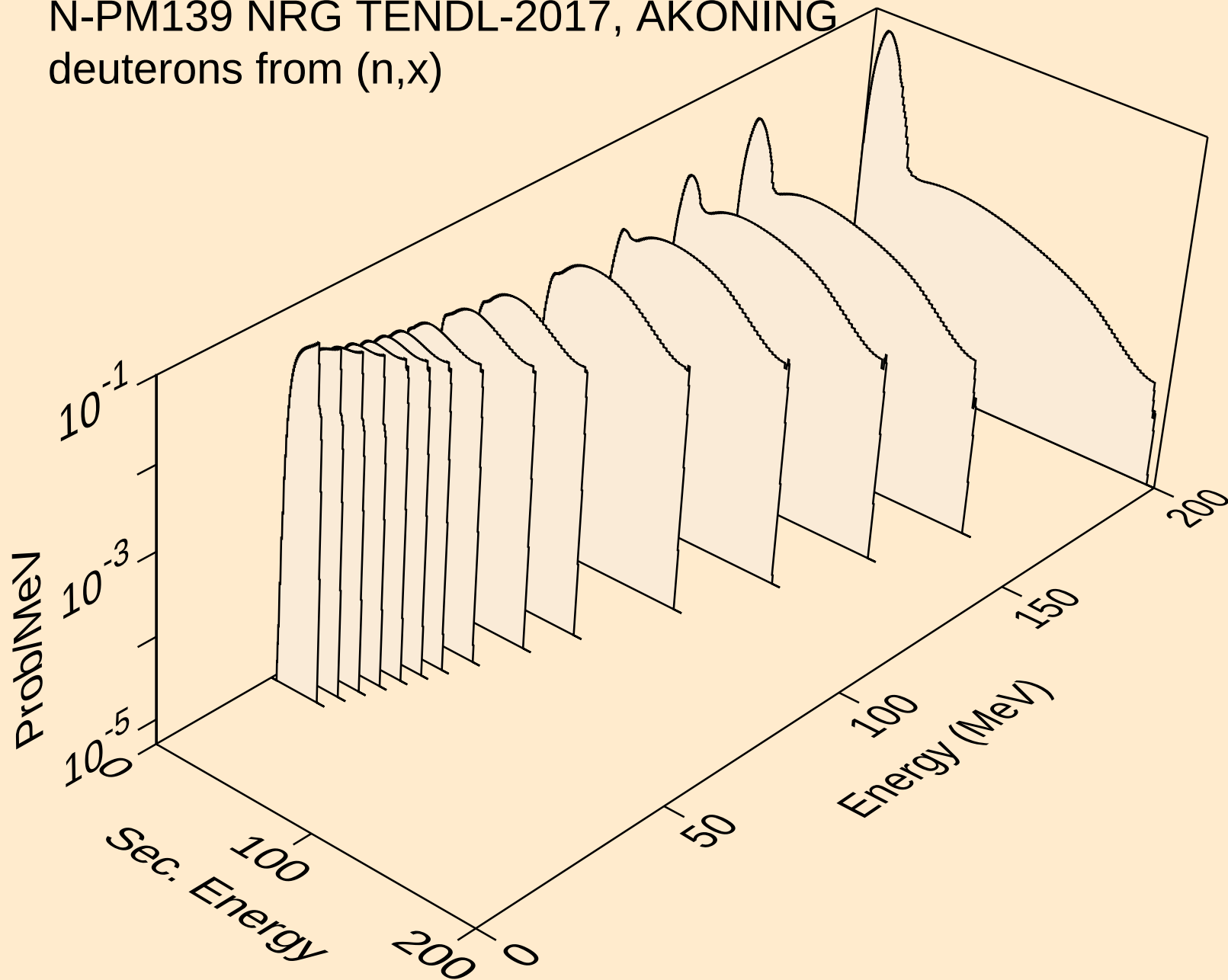
N-PM139 NRG TENDL-2017, AKONING
protons from (n,pd)



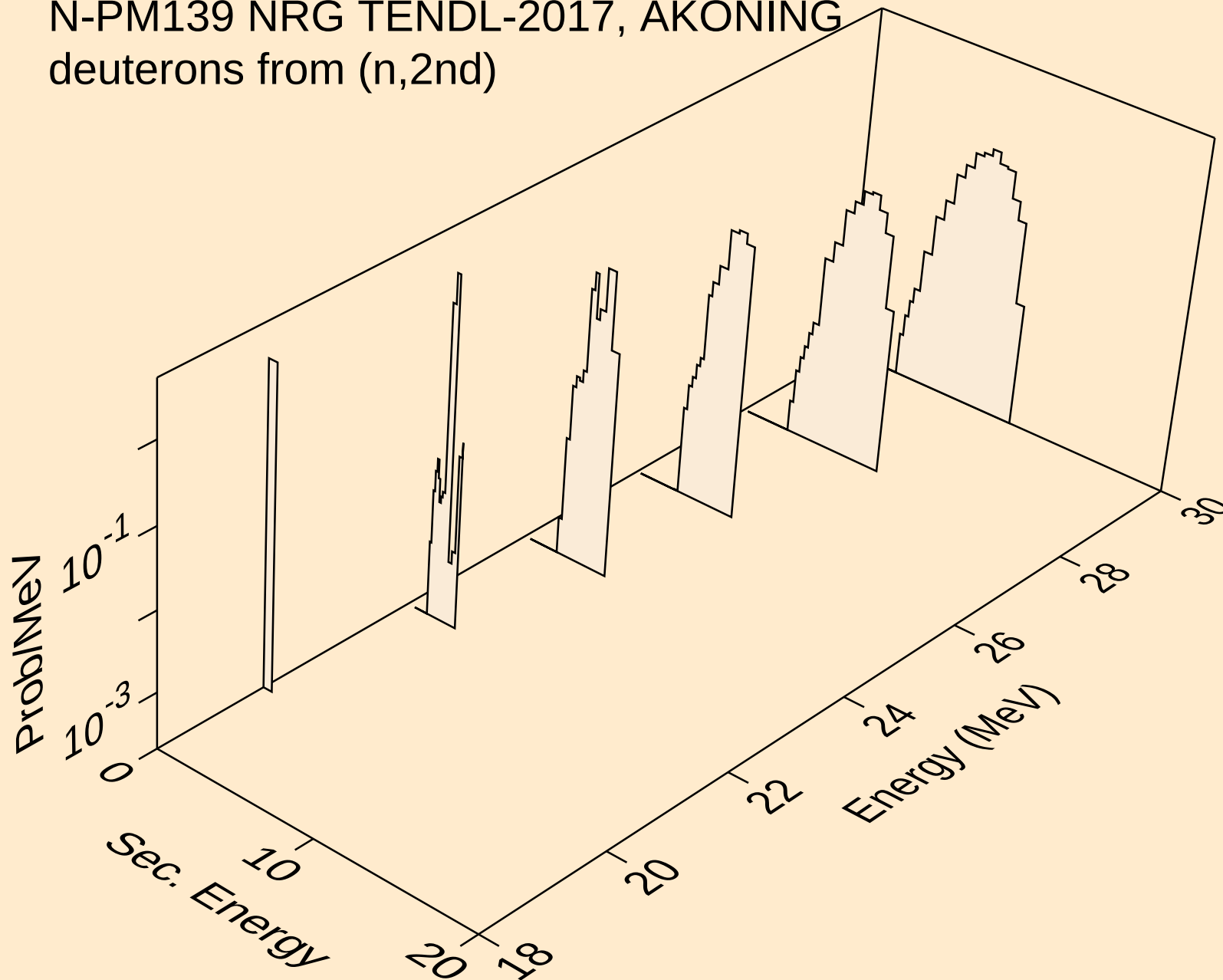
N-PM139 NRG TENDL-2017, AKONING
protons from (n,pt)



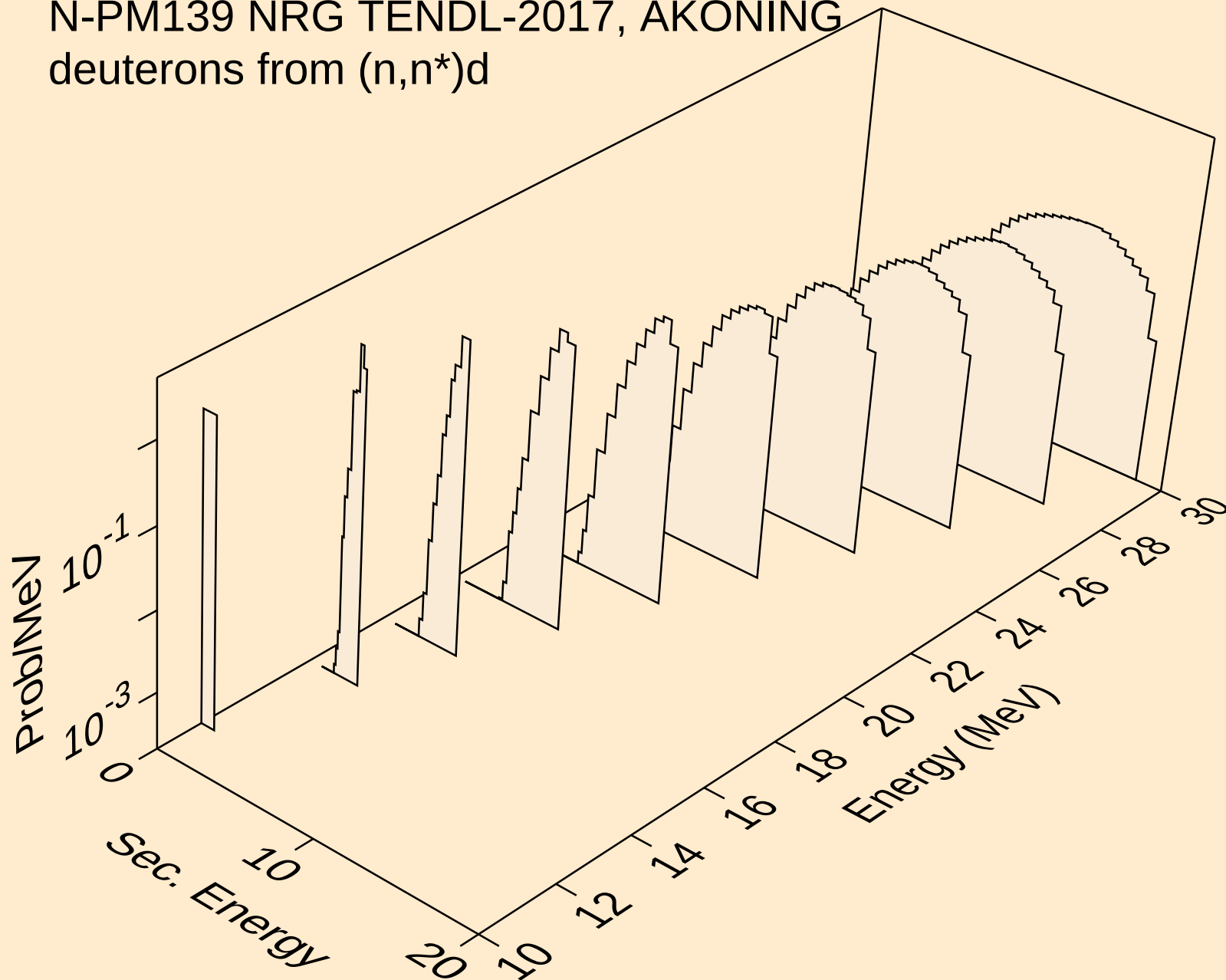
N-PM139 NRG TENDL-2017, AKONING
deuterons from (n,x)



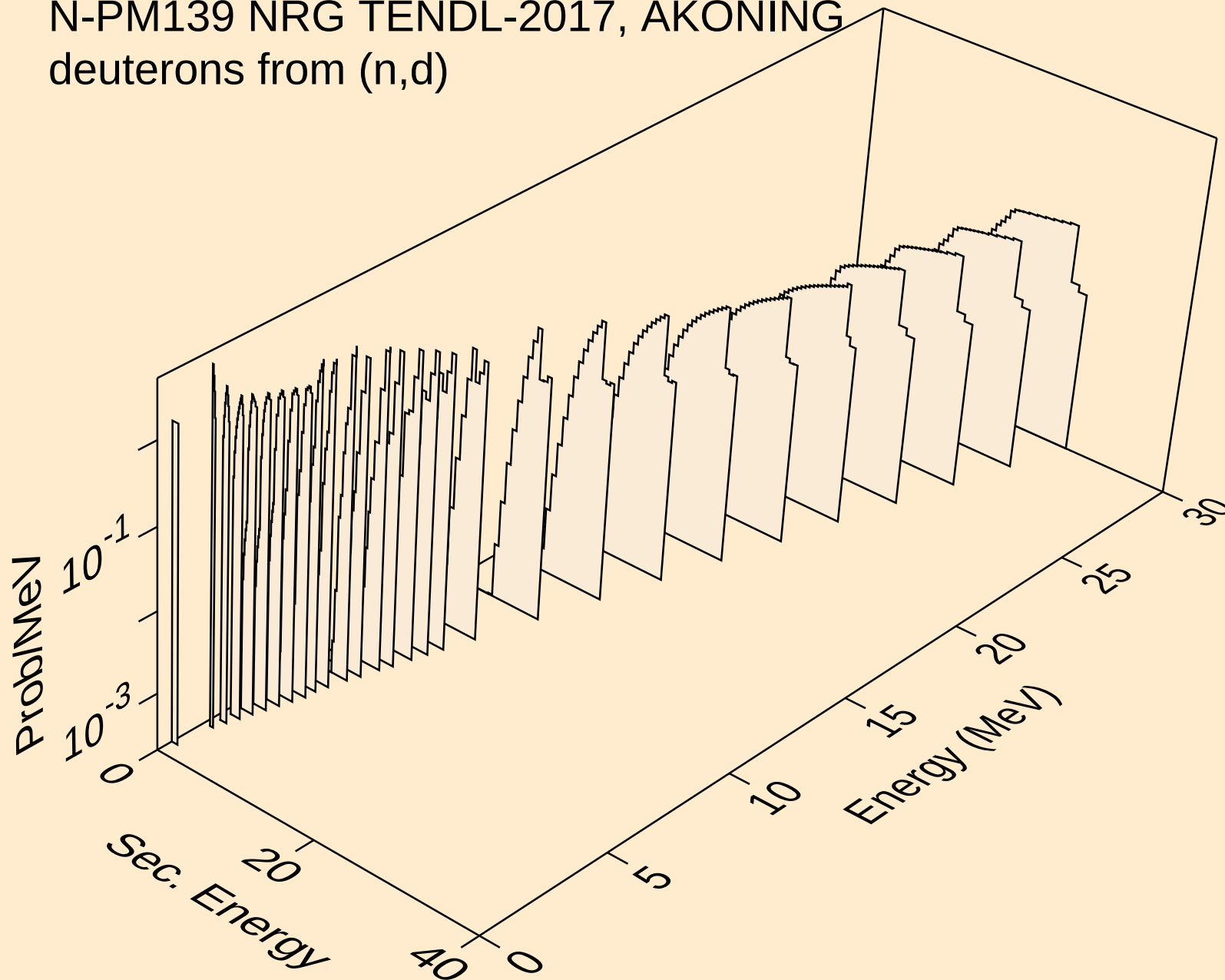
N-PM139 NRG TENDL-2017, AKONING
deuterons from (n,2nd)



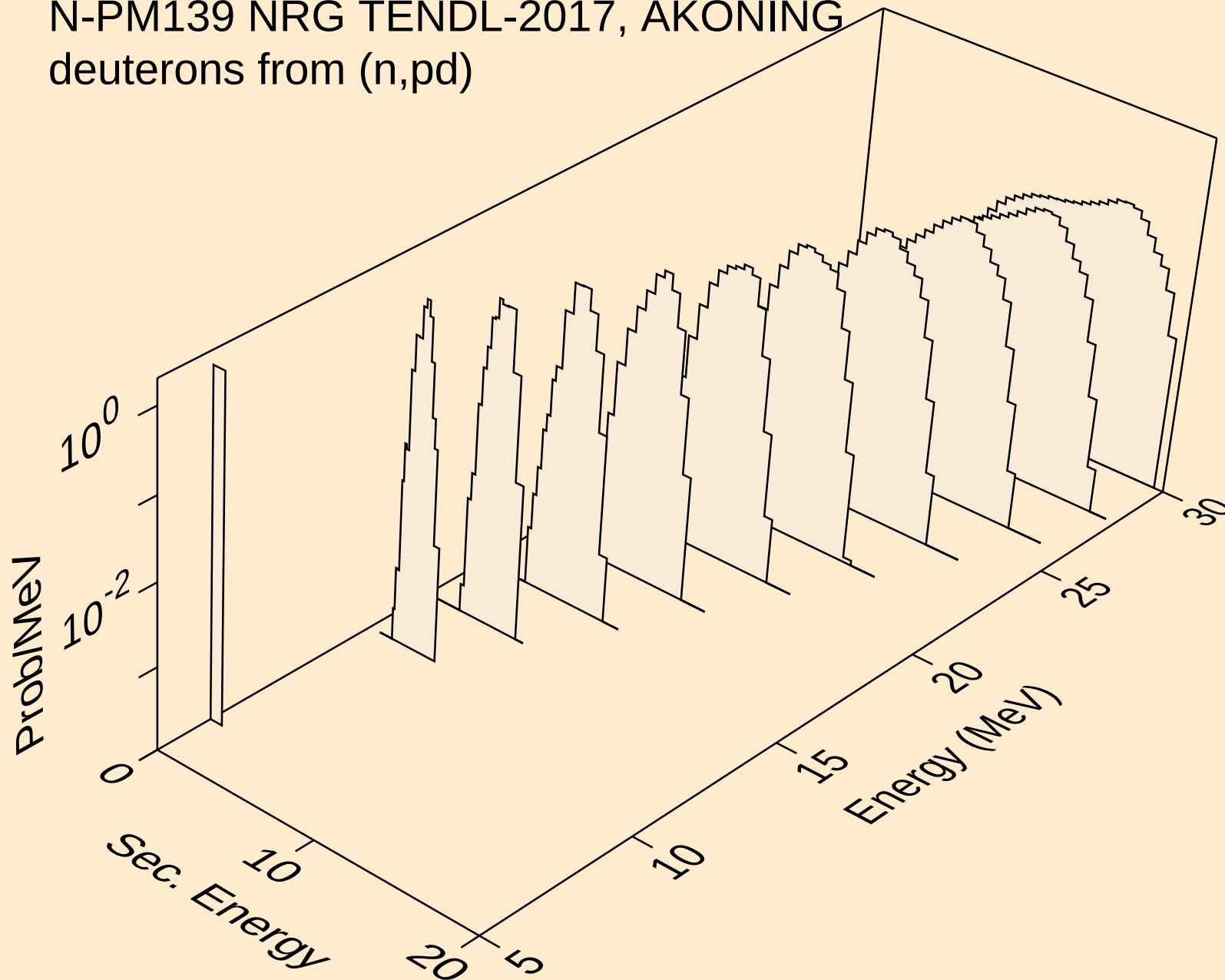
N-PM139 NRG TENDL-2017, AKONING
deuterons from (n,n*)d



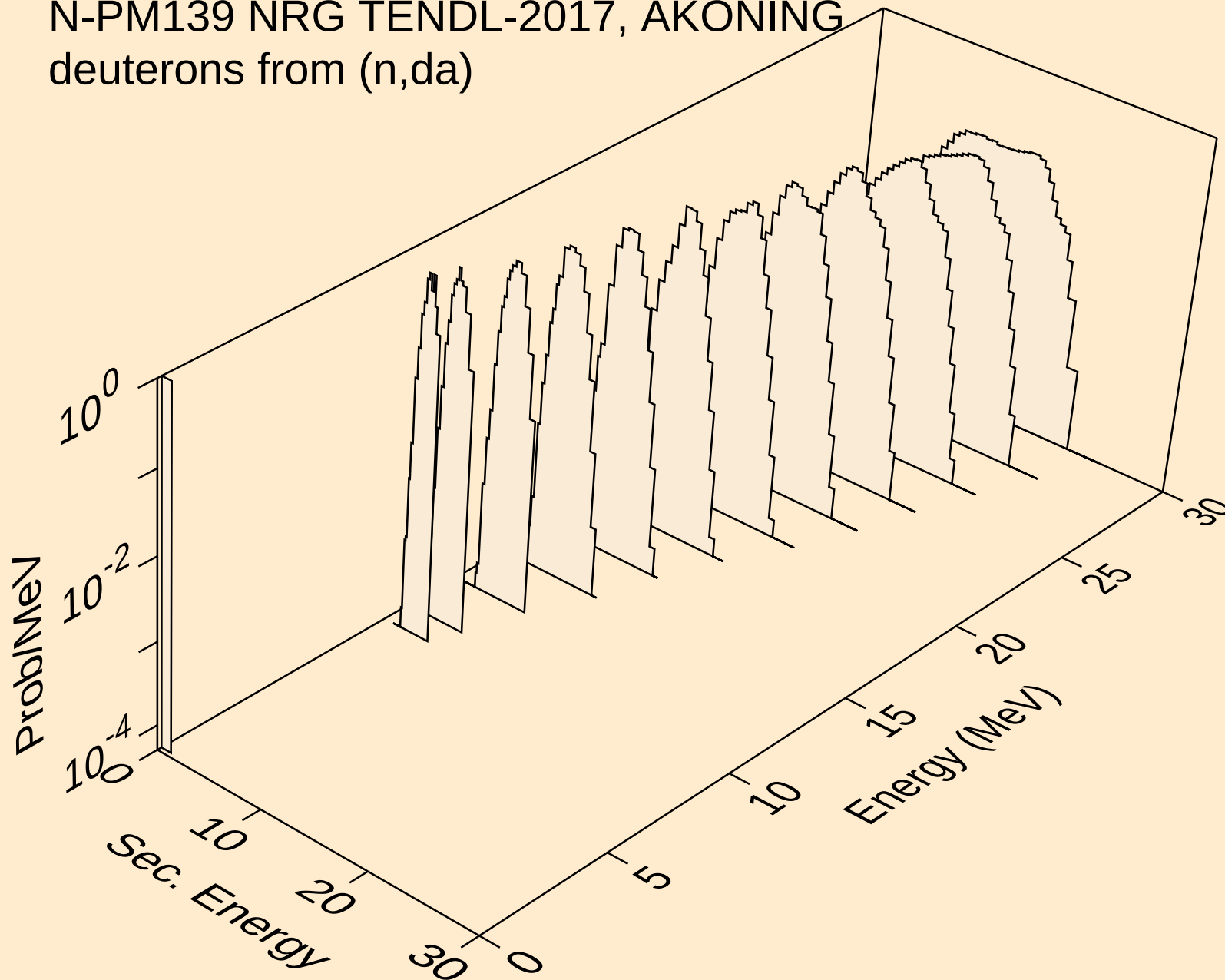
N-PM139 NRG TENDL-2017, AKONING
deuterons from (n,d)



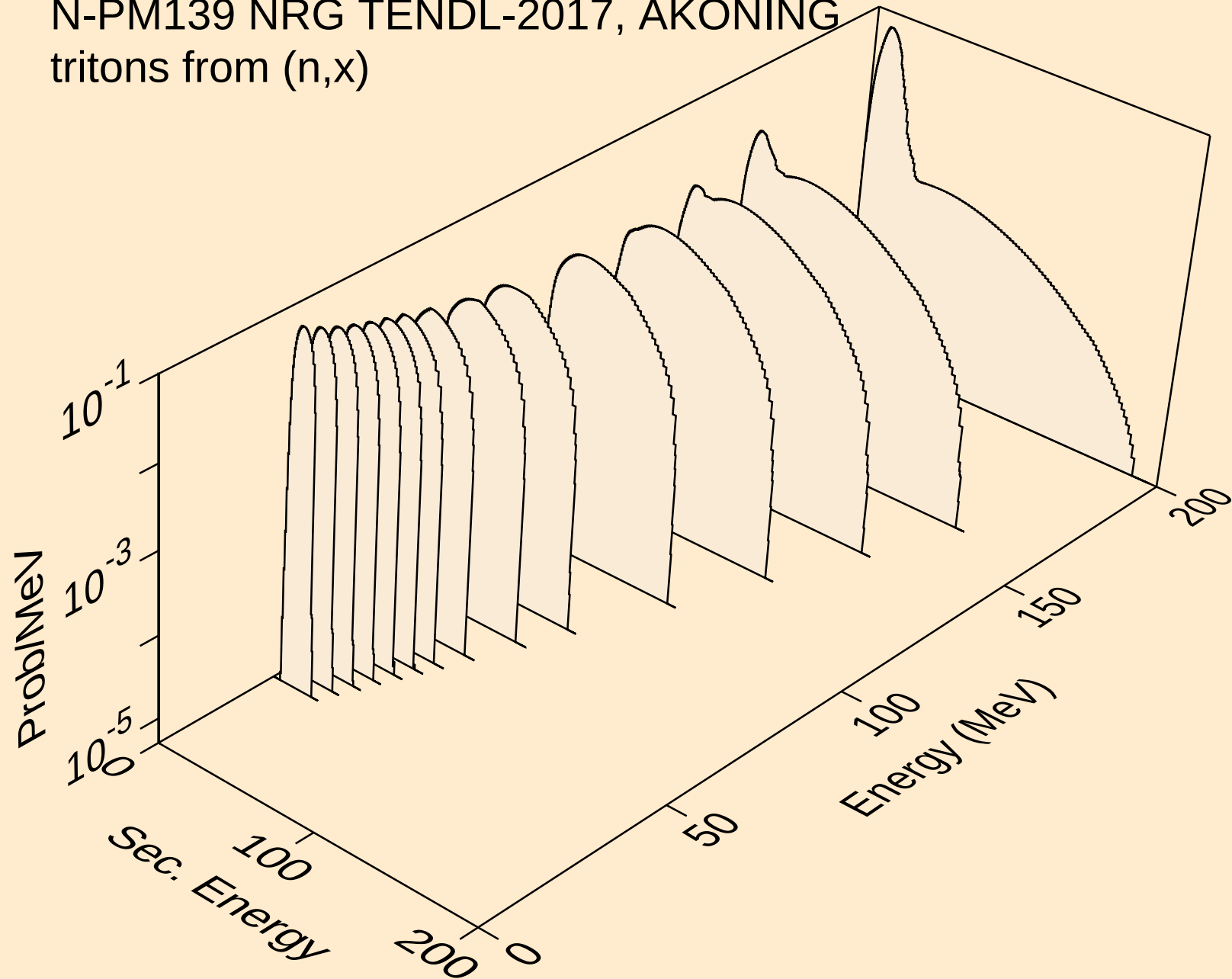
N-PM139 NRG TENDL-2017, AKONING
deuterons from (n,pd)



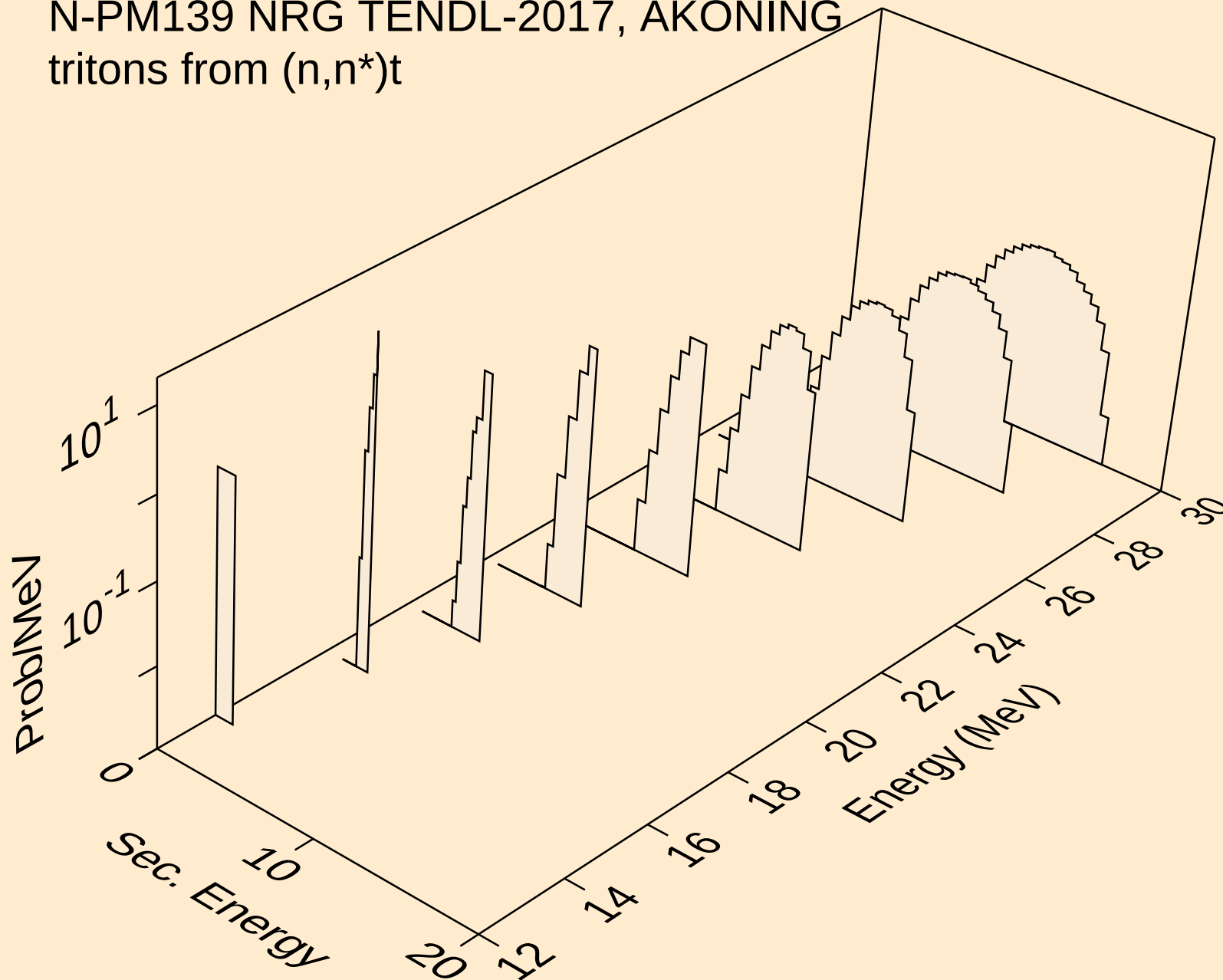
N-PM139 NRG TENDL-2017, AKONING
deuterons from (n,da)



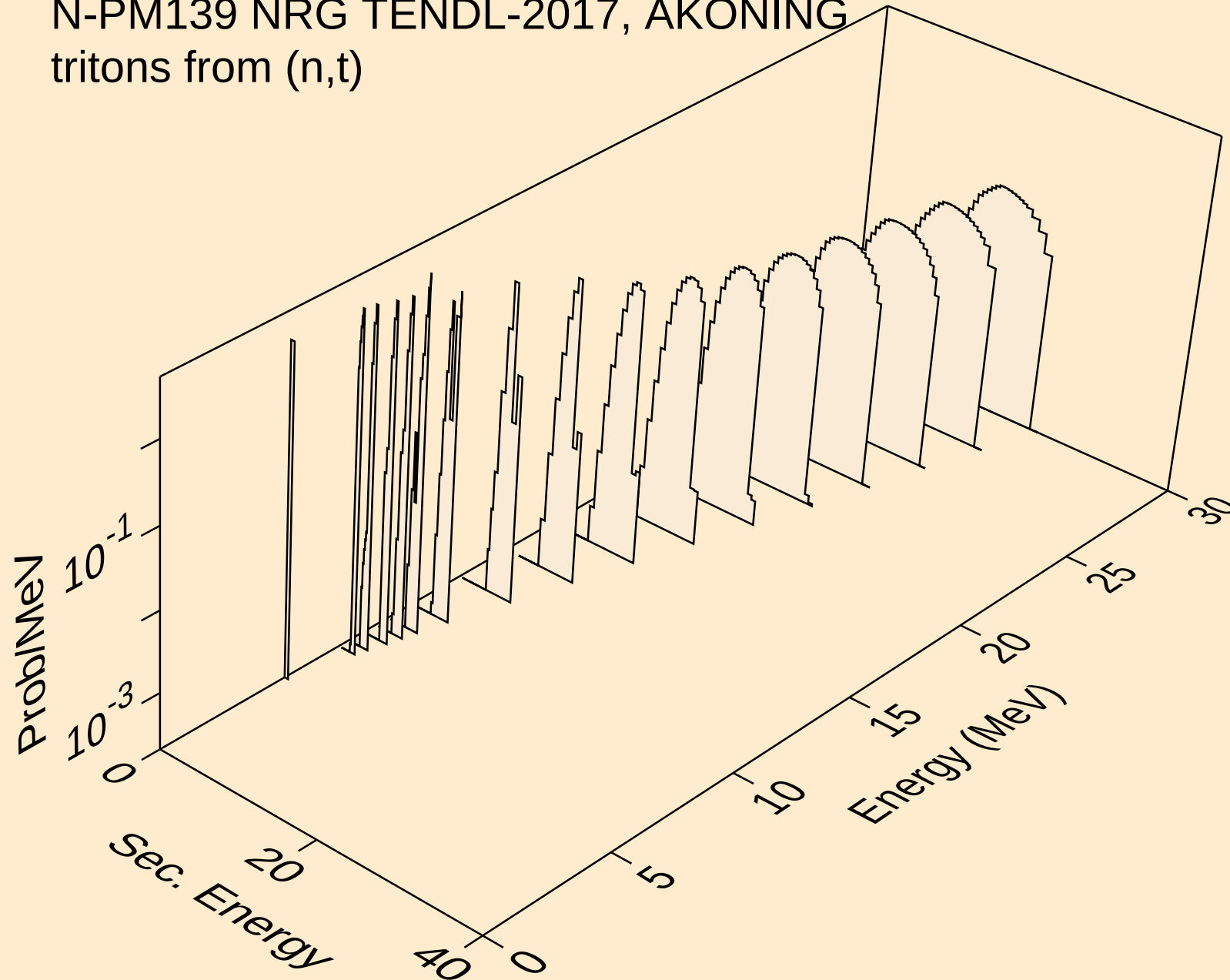
N-PM139 NRG TENDL-2017, AKONING
tritons from (n,x)



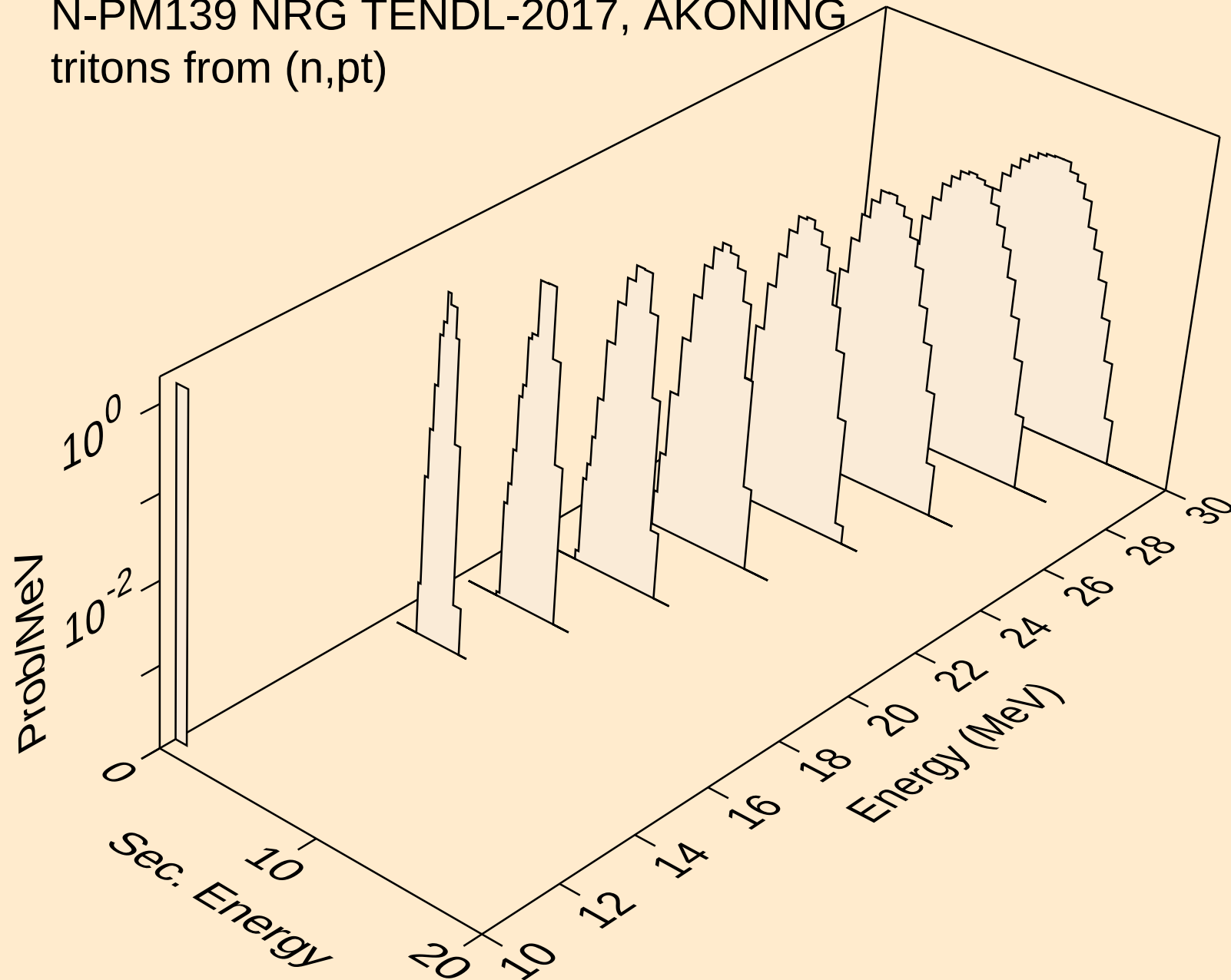
N-PM139 NRG TENDL-2017, AKONING
tritons from $(n,n^*)t$



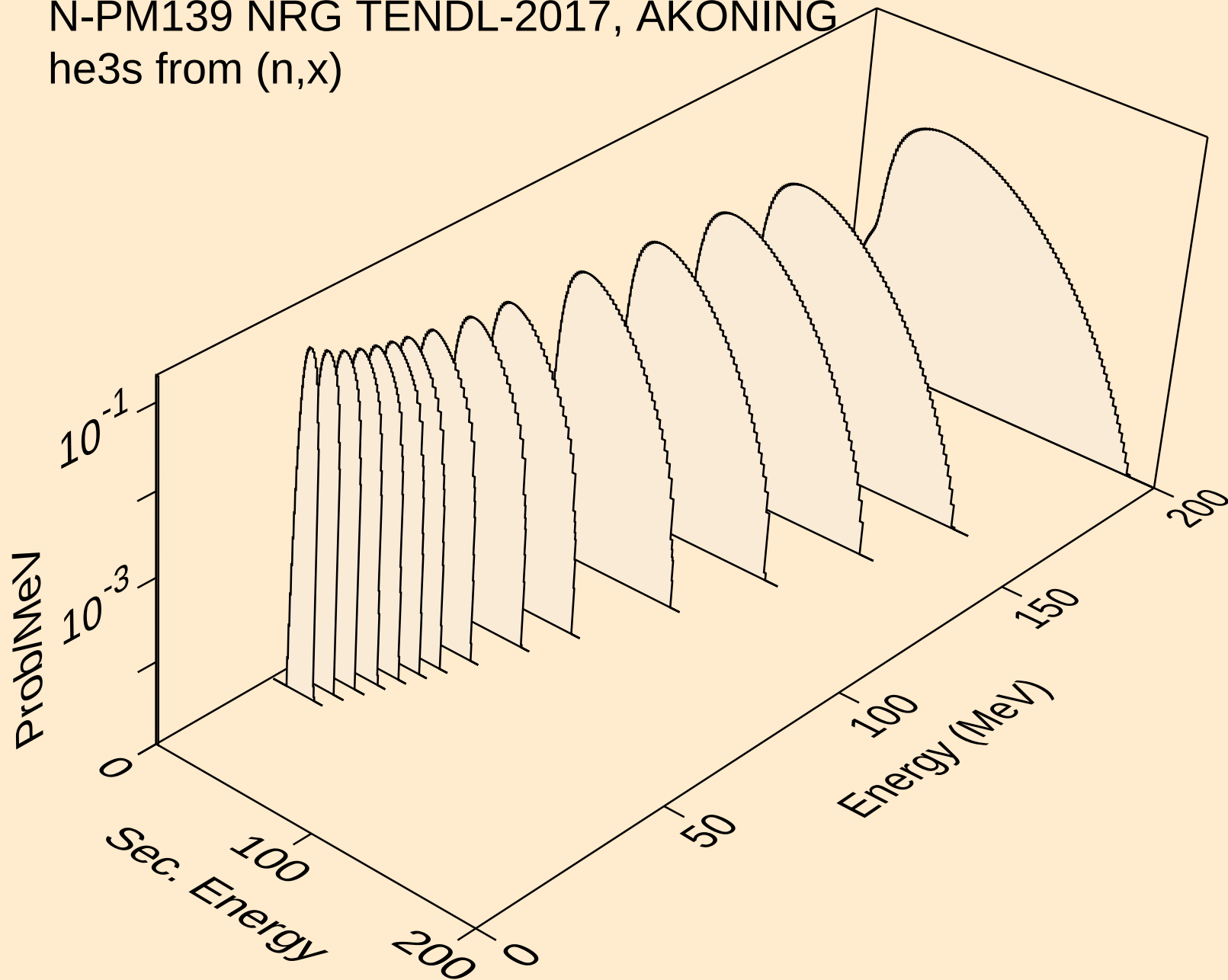
N-PM139 NRG TENDL-2017, AKONING
tritons from (n,t)



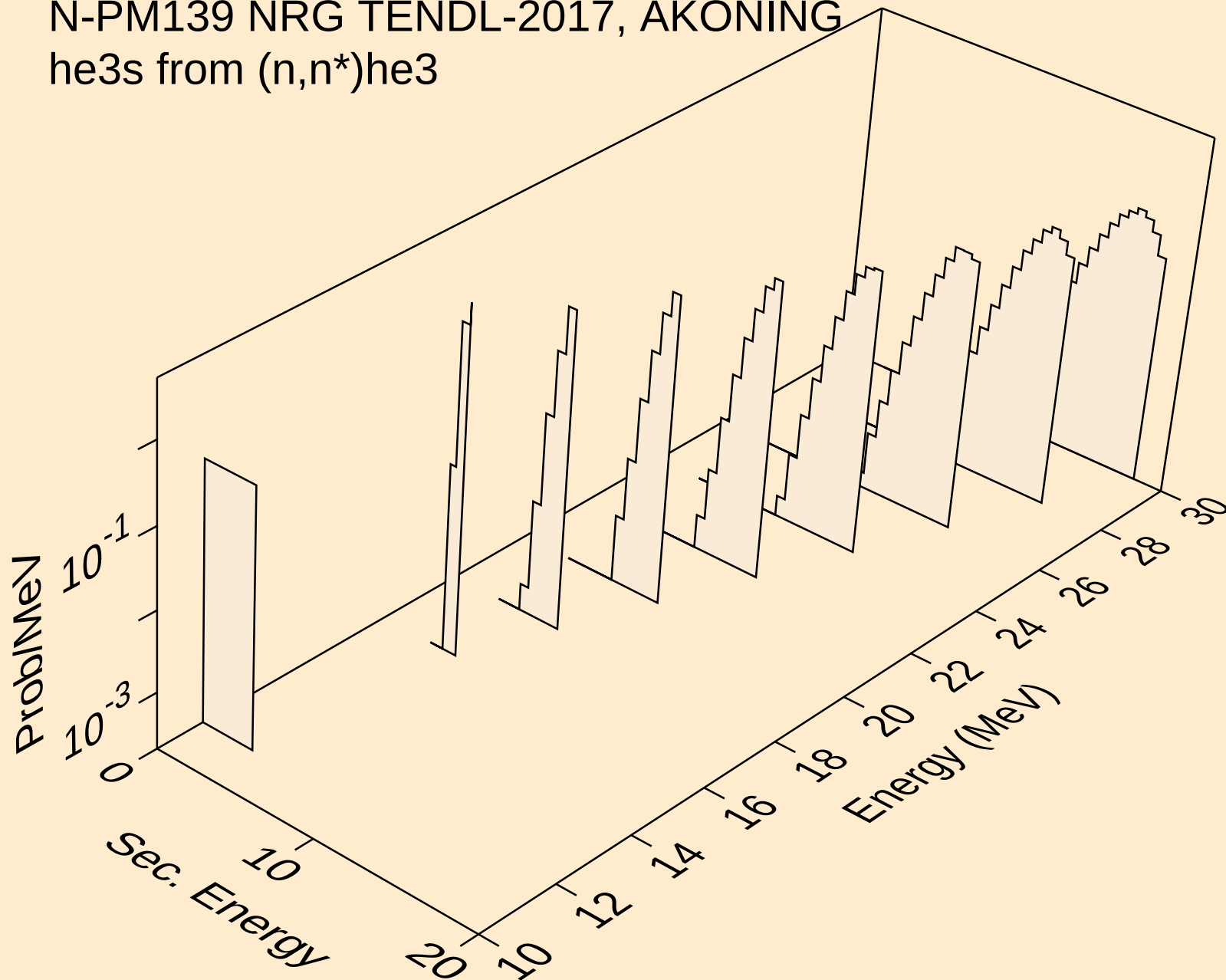
N-PM139 NRG TENDL-2017, AKONING
tritons from (n,pt)



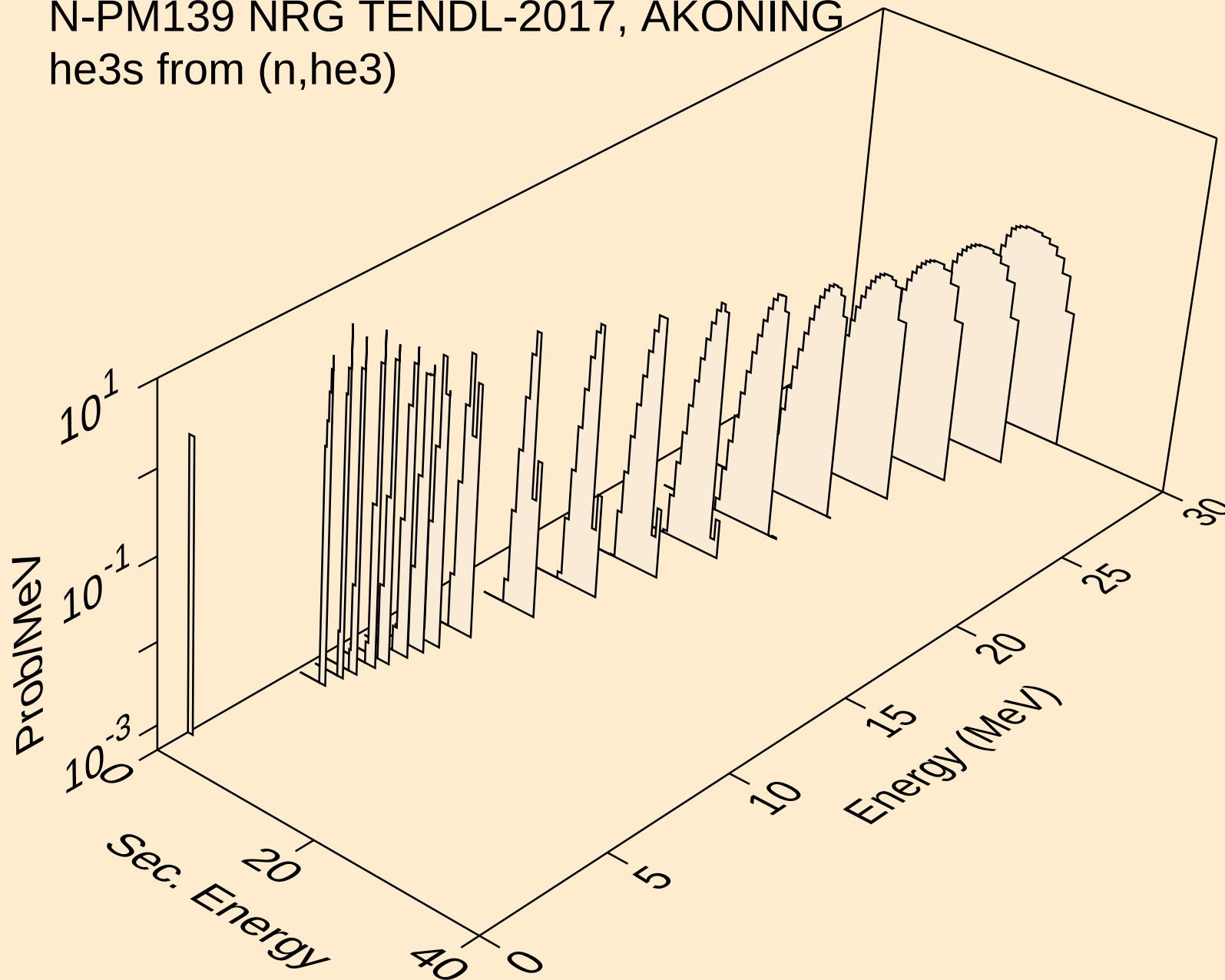
N-PM139 NRG TENDL-2017, AKONING
he3s from (n,x)



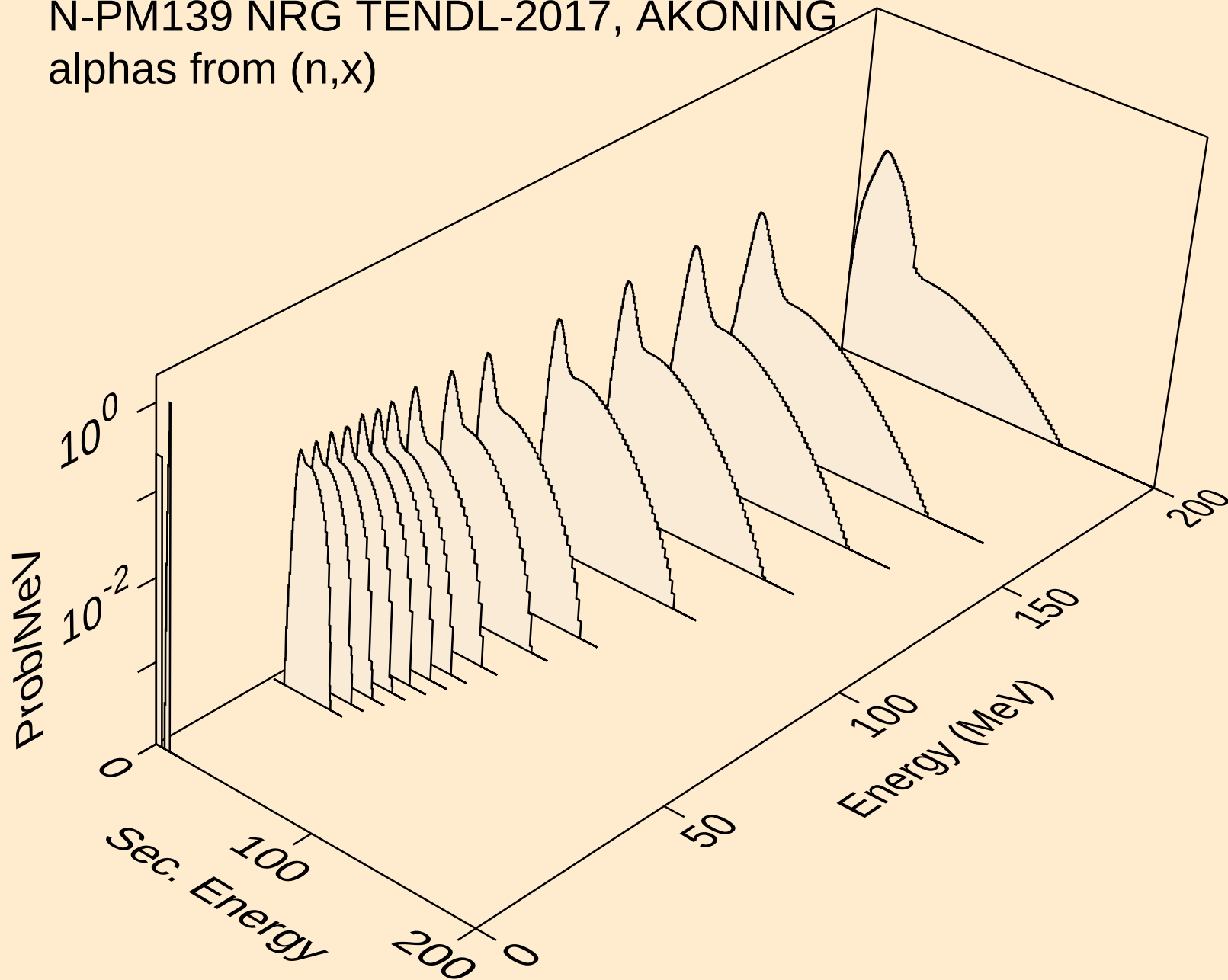
N-PM139 NRG TENDL-2017, AKONING
he3s from (n,n*)he3



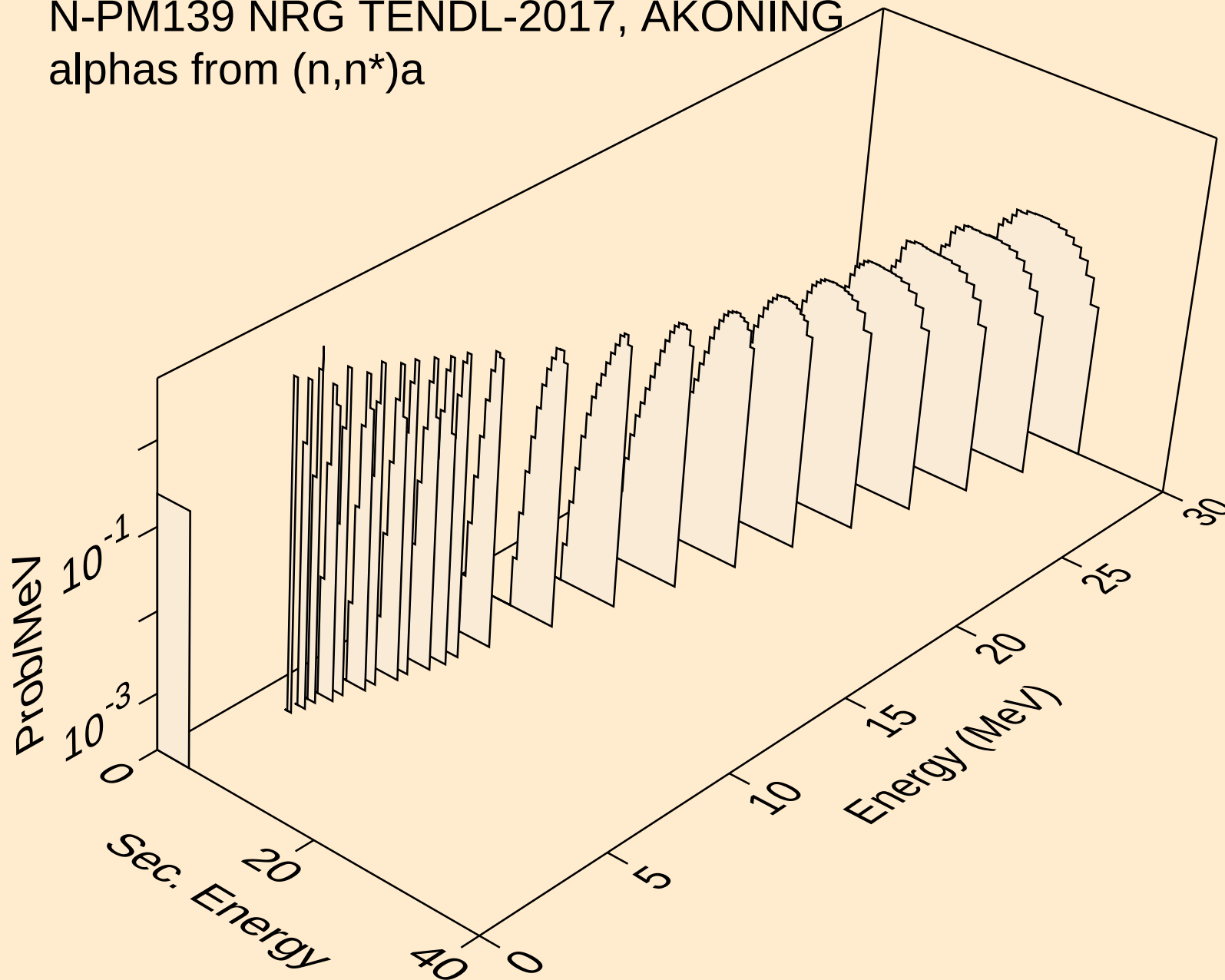
N-PM139 NRG TENDL-2017, AKONING
he3s from (n,he3)



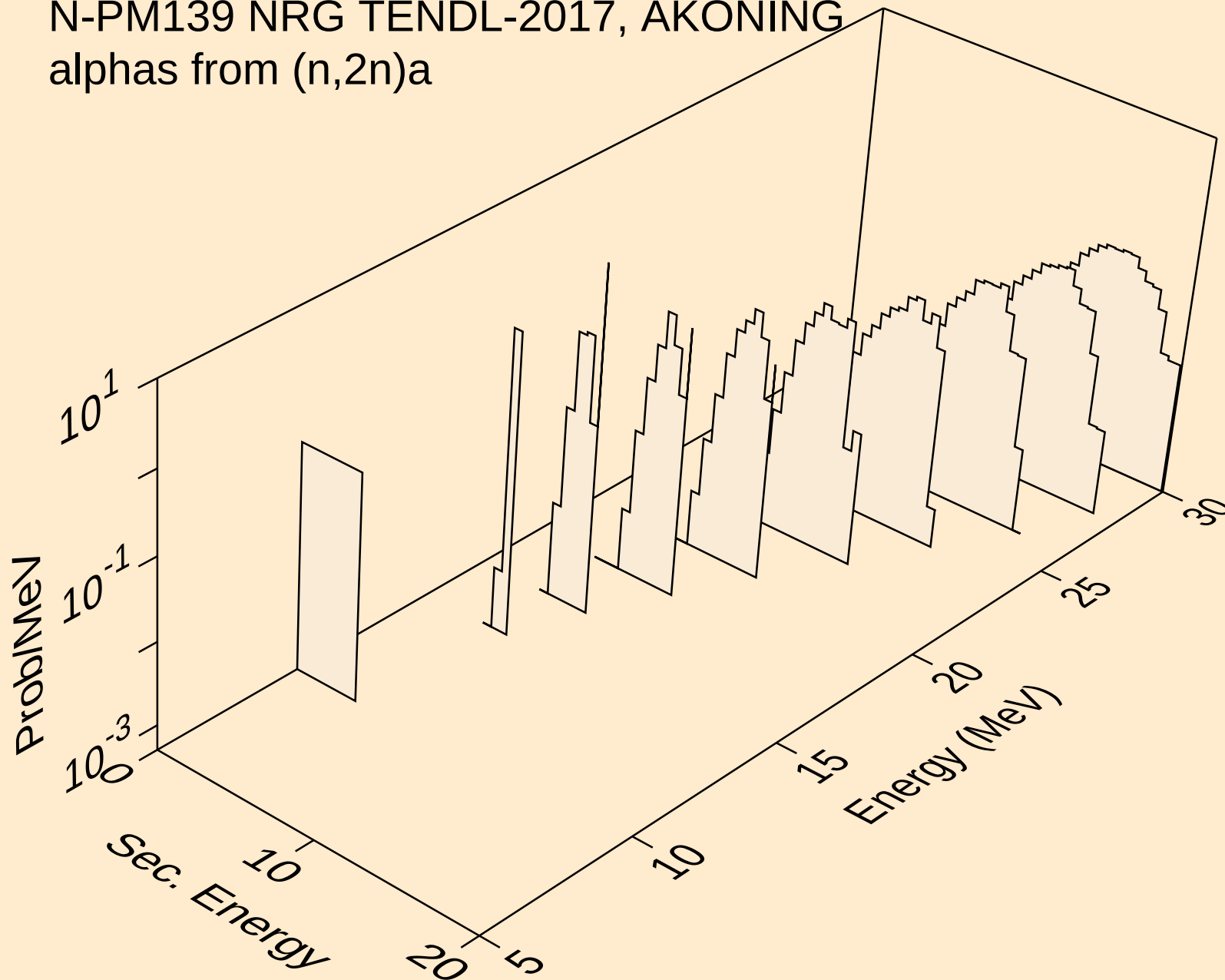
N-PM139 NRG TENDL-2017, AKONING
alphas from (n,x)



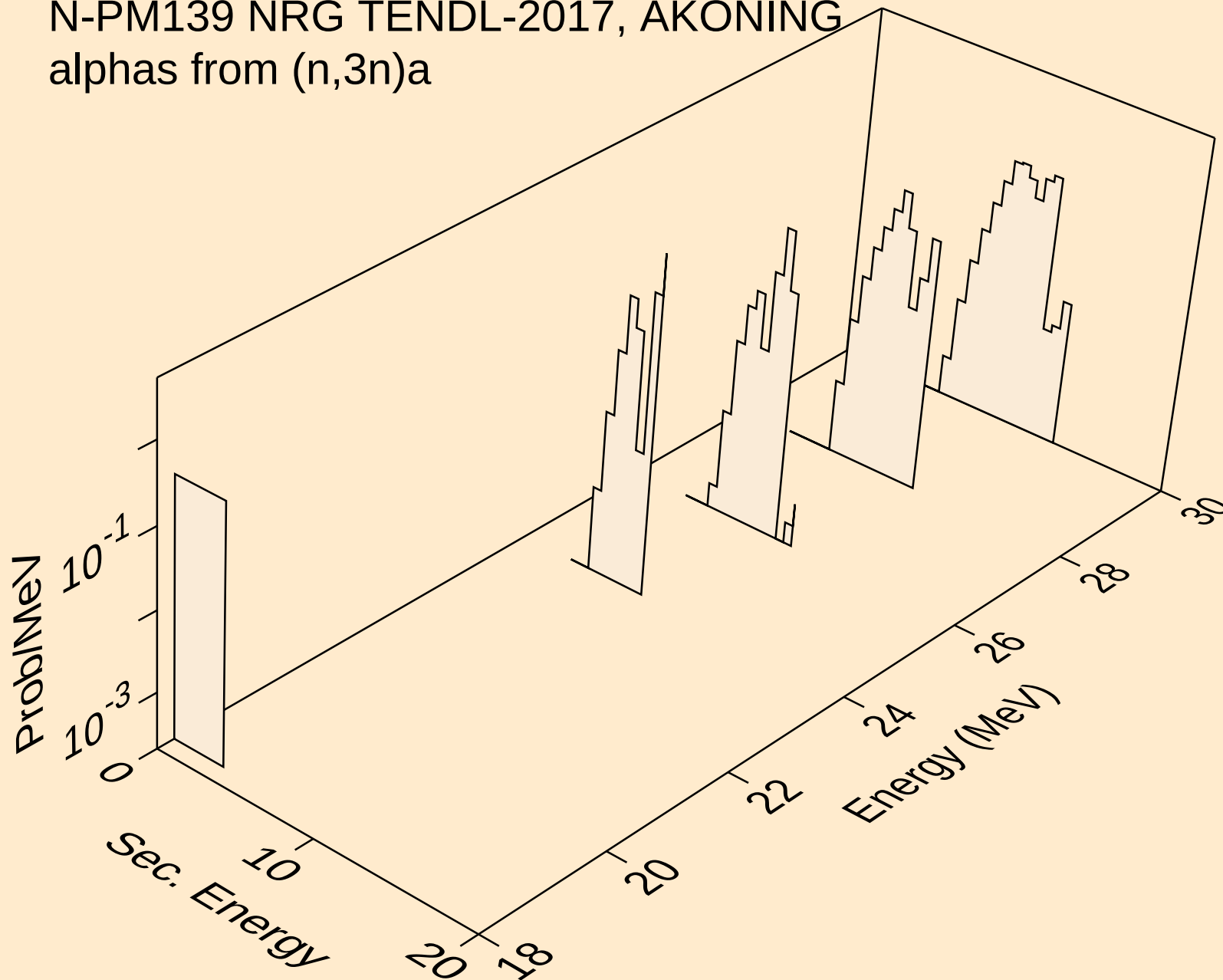
N-PM139 NRG TENDL-2017, AKONING
alphas from (n,n*)a



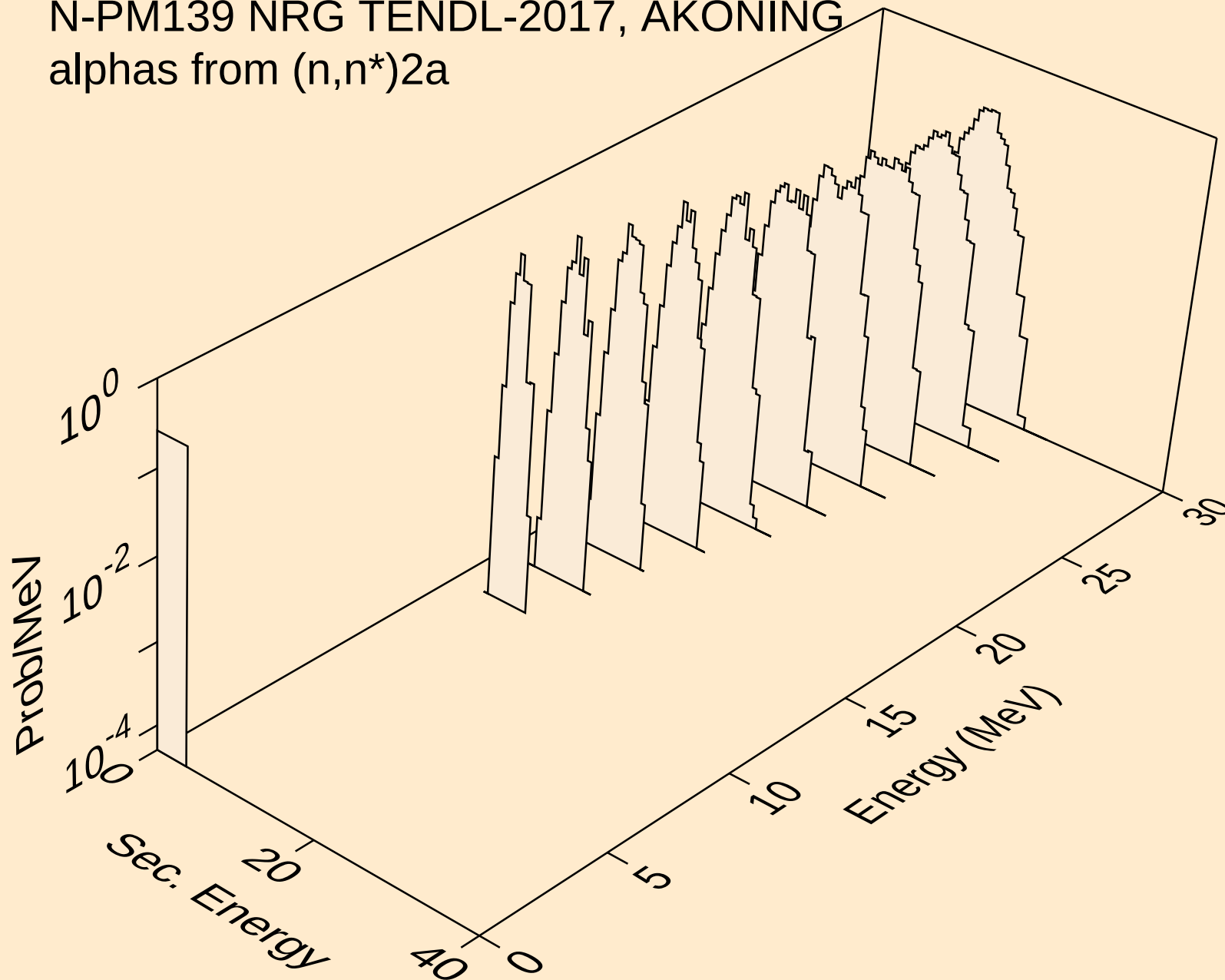
N-PM139 NRG TENDL-2017, AKONING
alphas from (n,2n)a



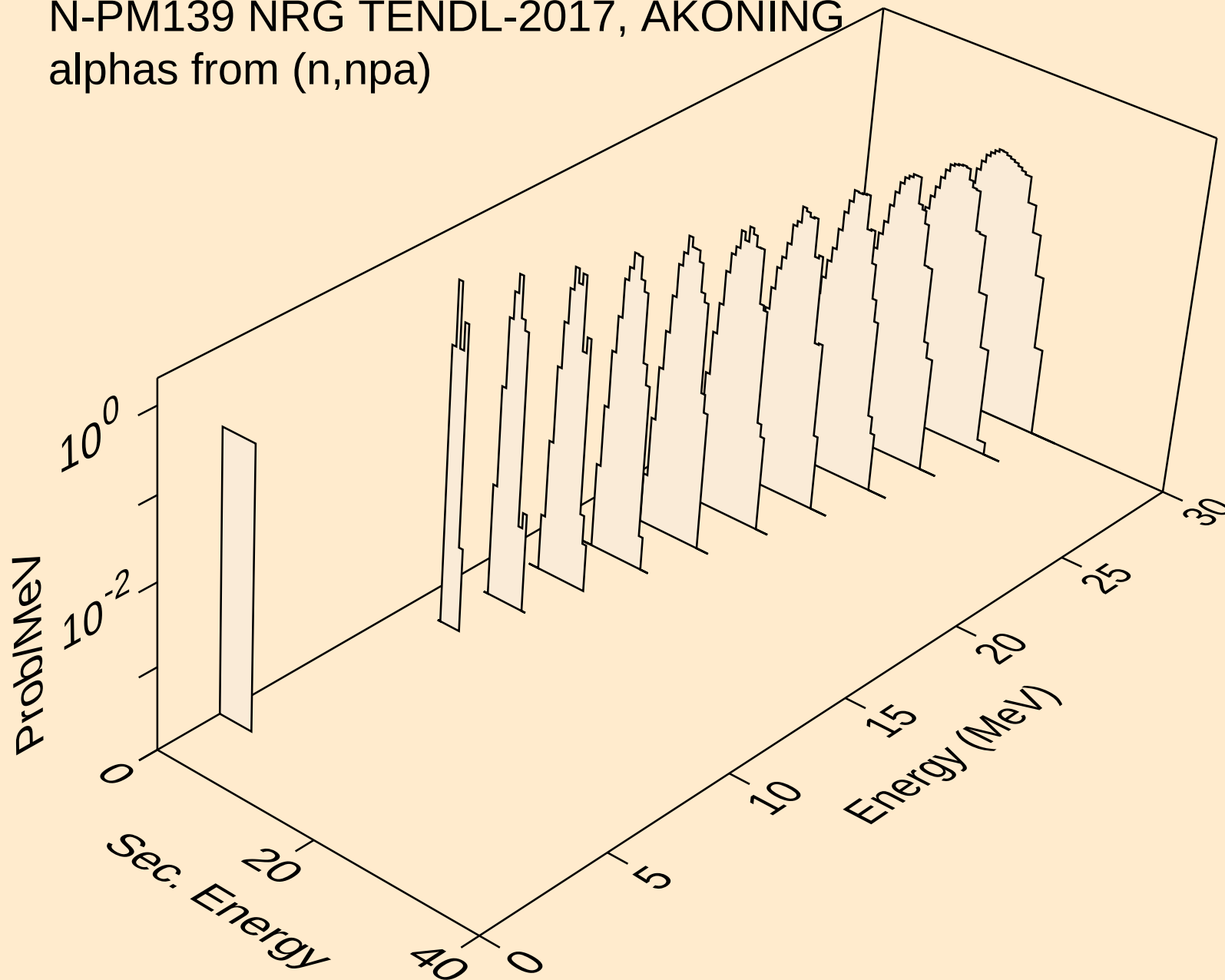
N-PM139 NRG TENDL-2017, AKONING
alphas from (n,3n)a



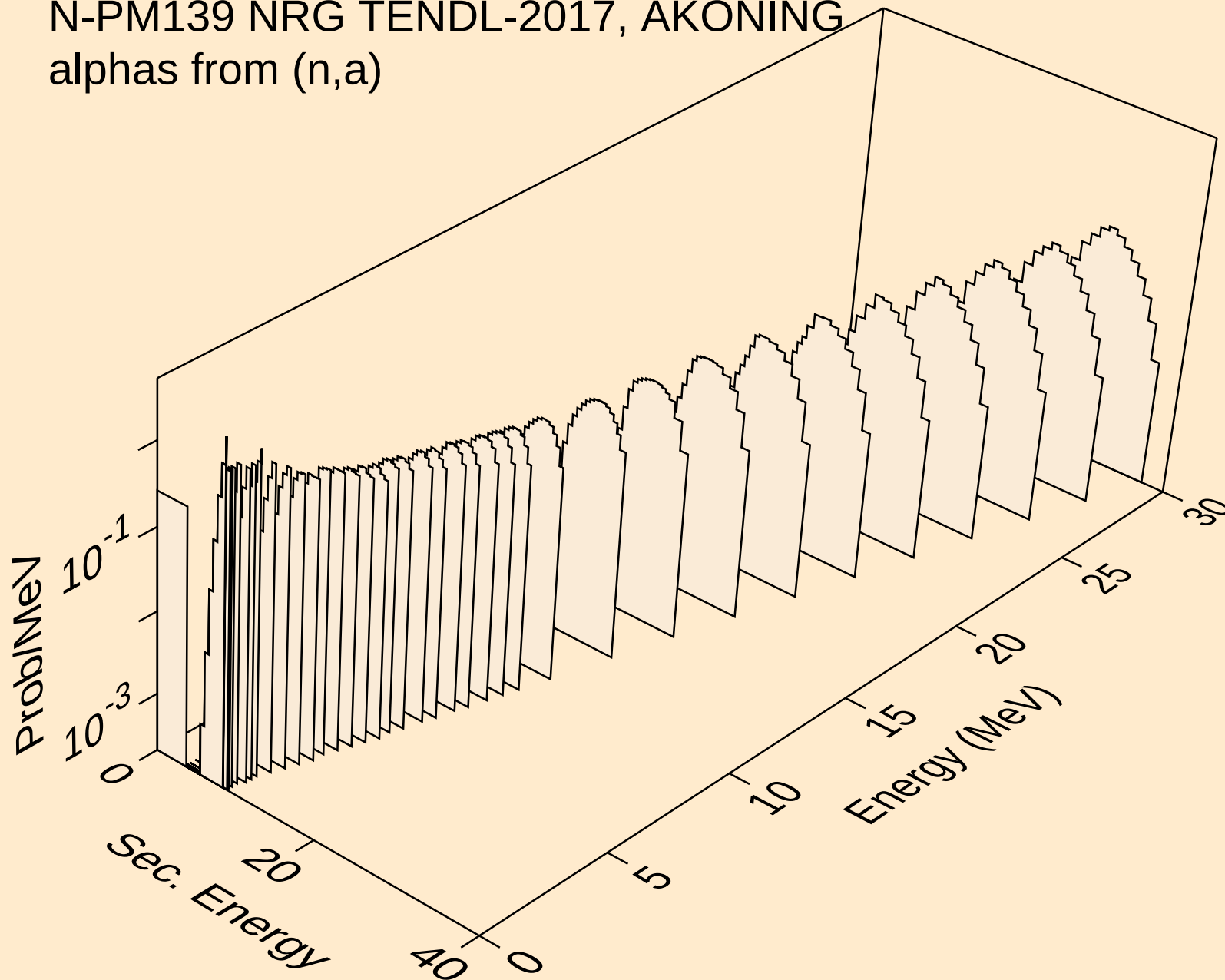
N-PM139 NRG TENDL-2017, AKONING
alphas from (n,n*)2a



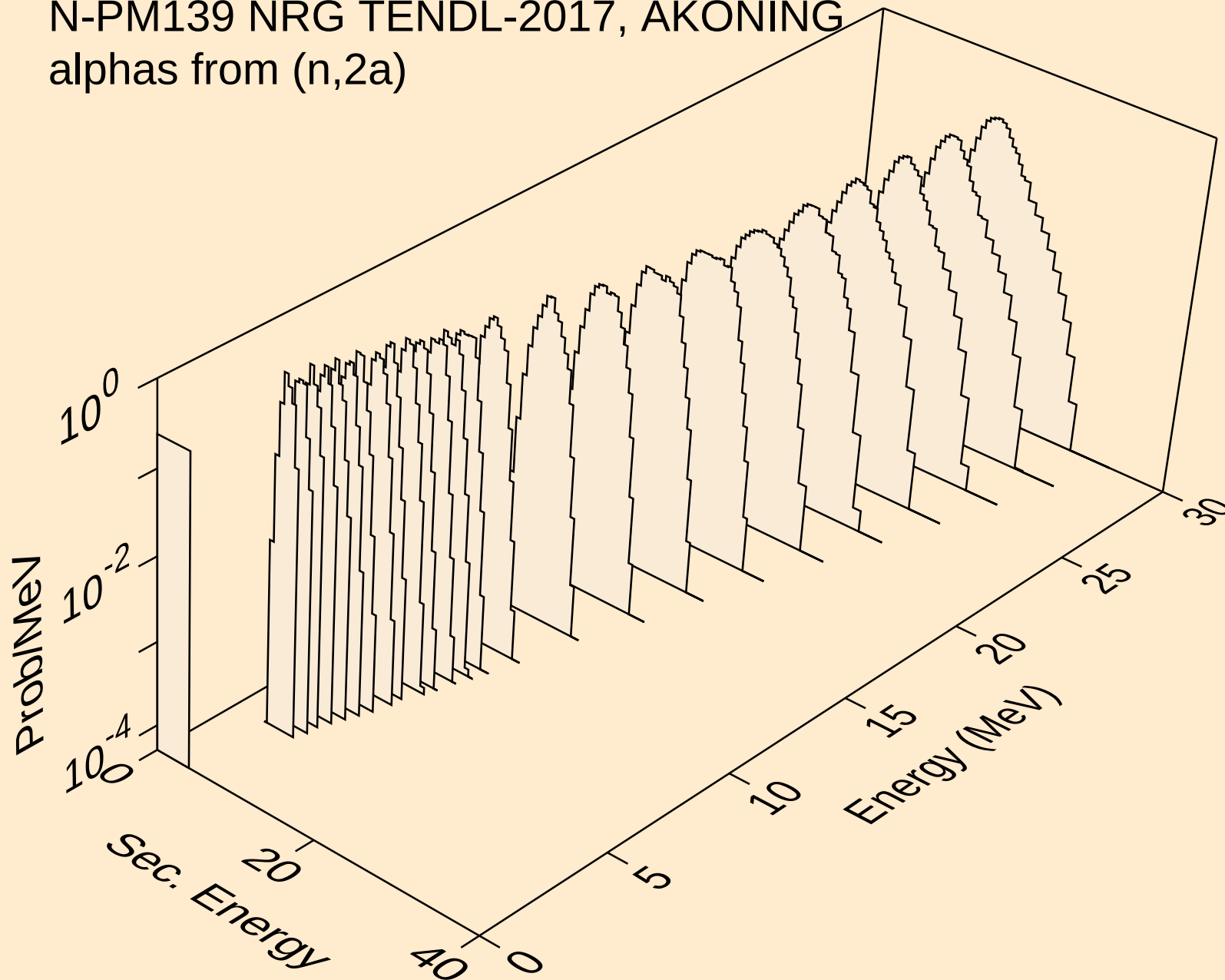
N-PM139 NRG TENDL-2017, AKONING
alphas from (n,npa)



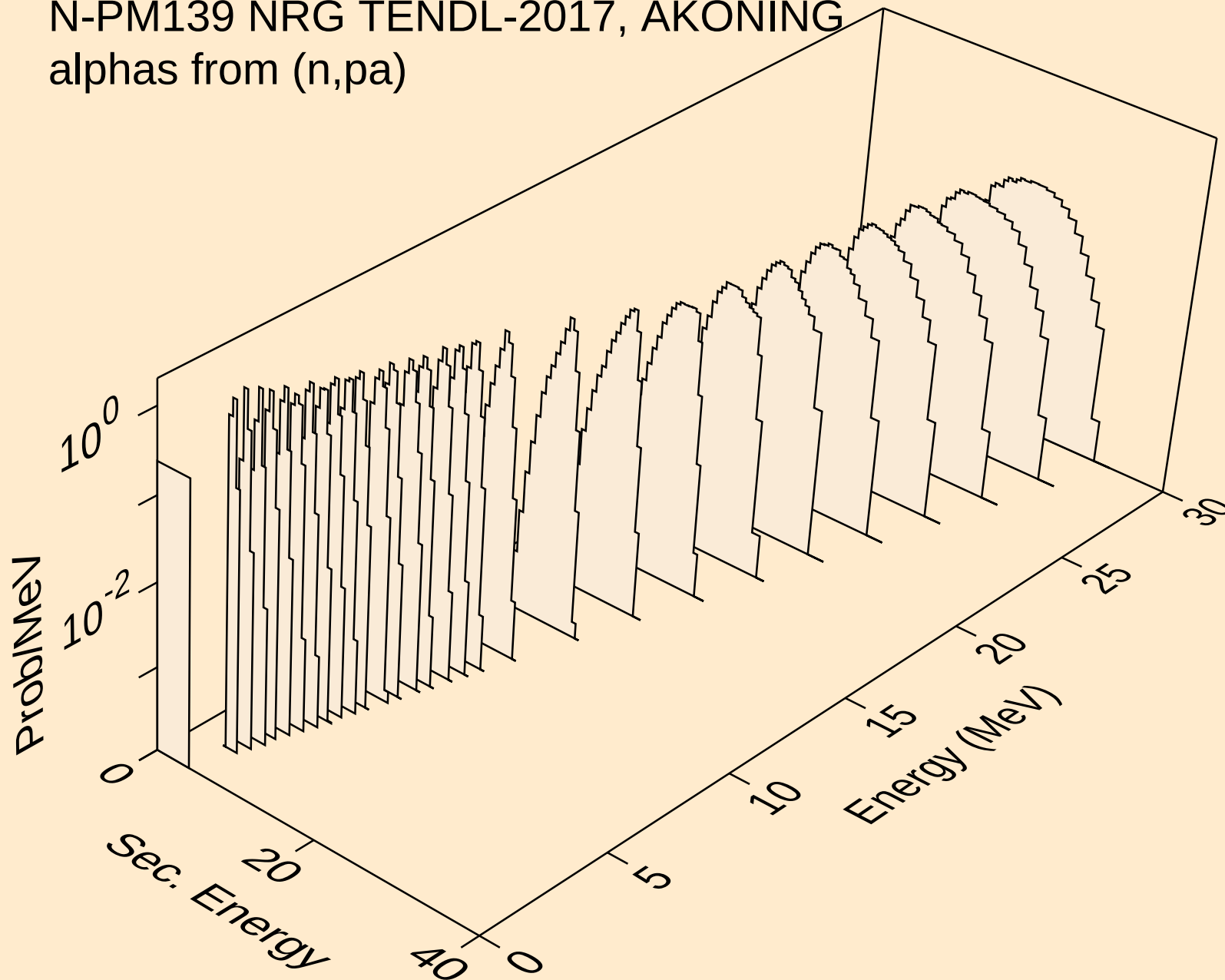
N-PM139 NRG TENDL-2017, AKONING
alphas from (n,a)



N-PM139 NRG TENDL-2017, AKONING
alphas from (n,2a)



N-PM139 NRG TENDL-2017, AKONING
alphas from (n,pa)



N-PM139 NRG TENDL-2017, AKONING
alphas from (n,da)

