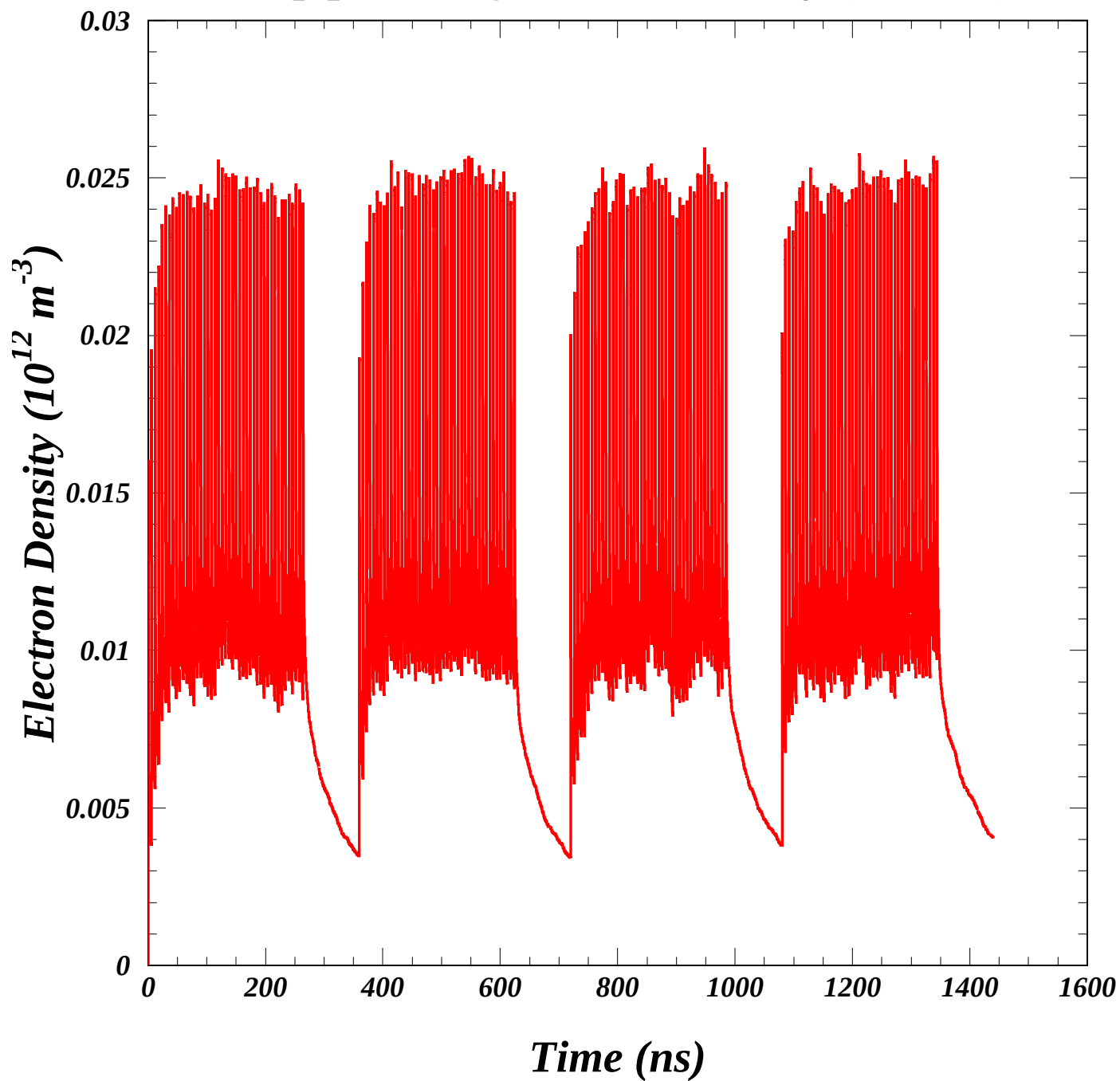
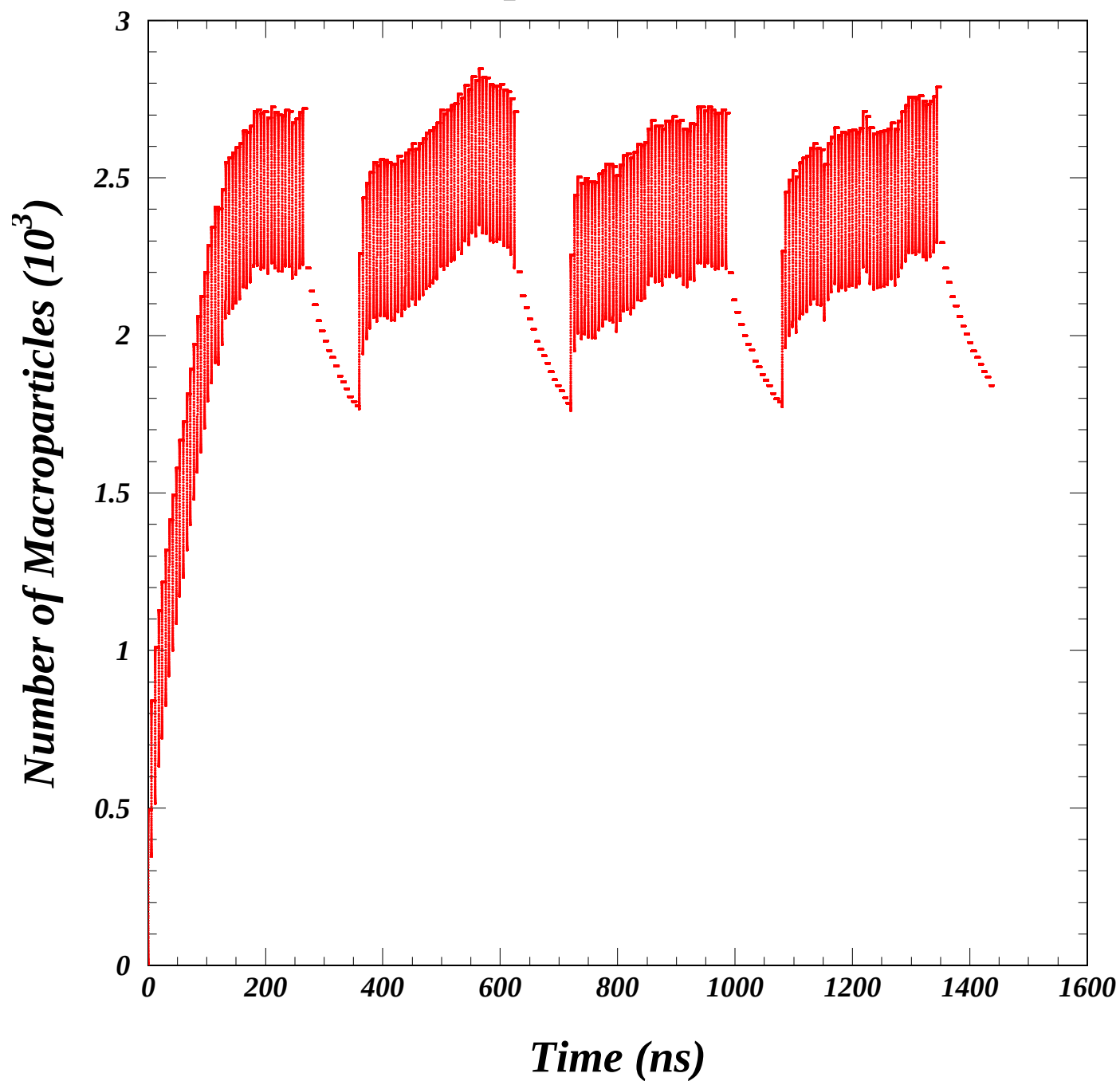
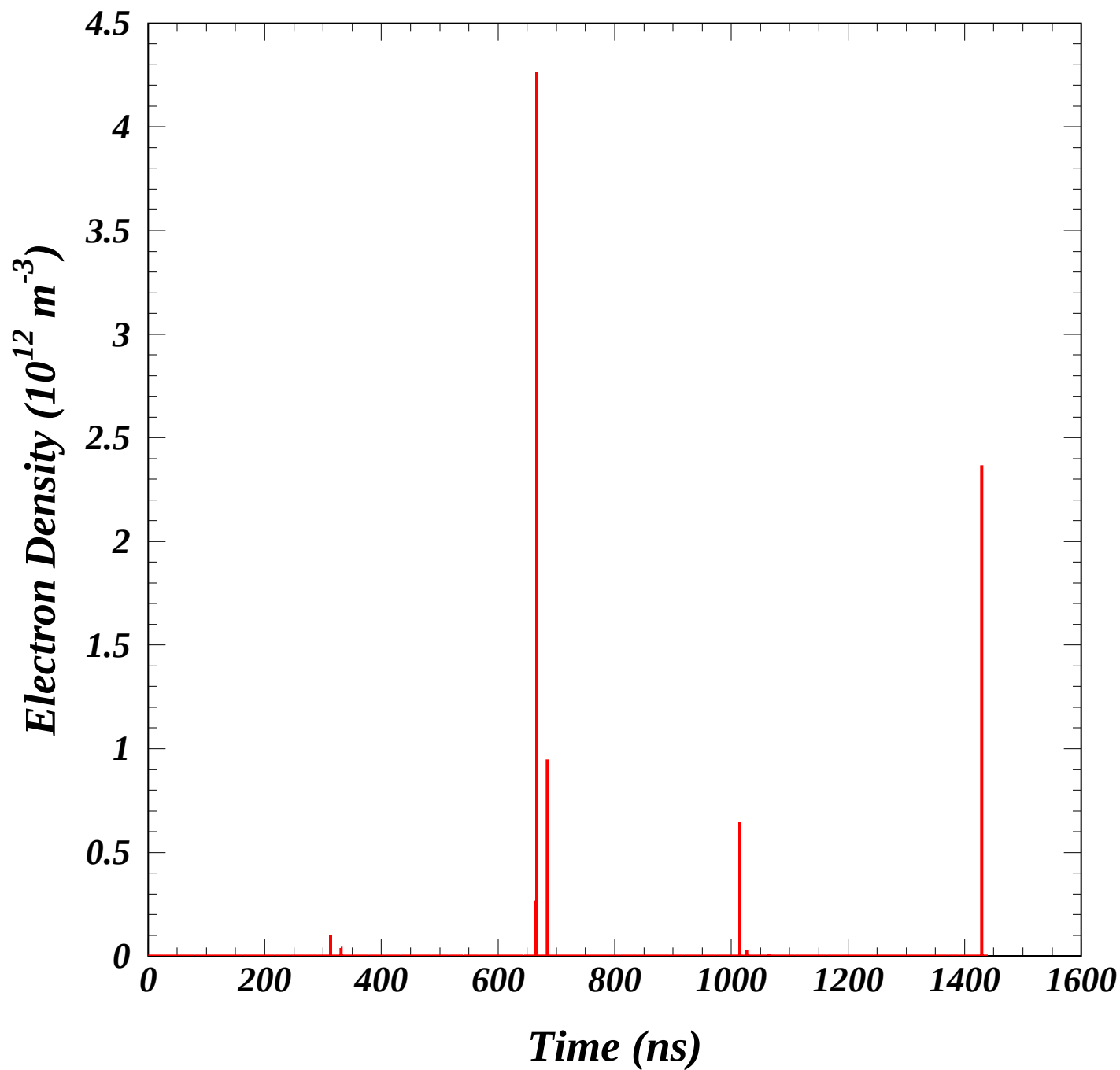


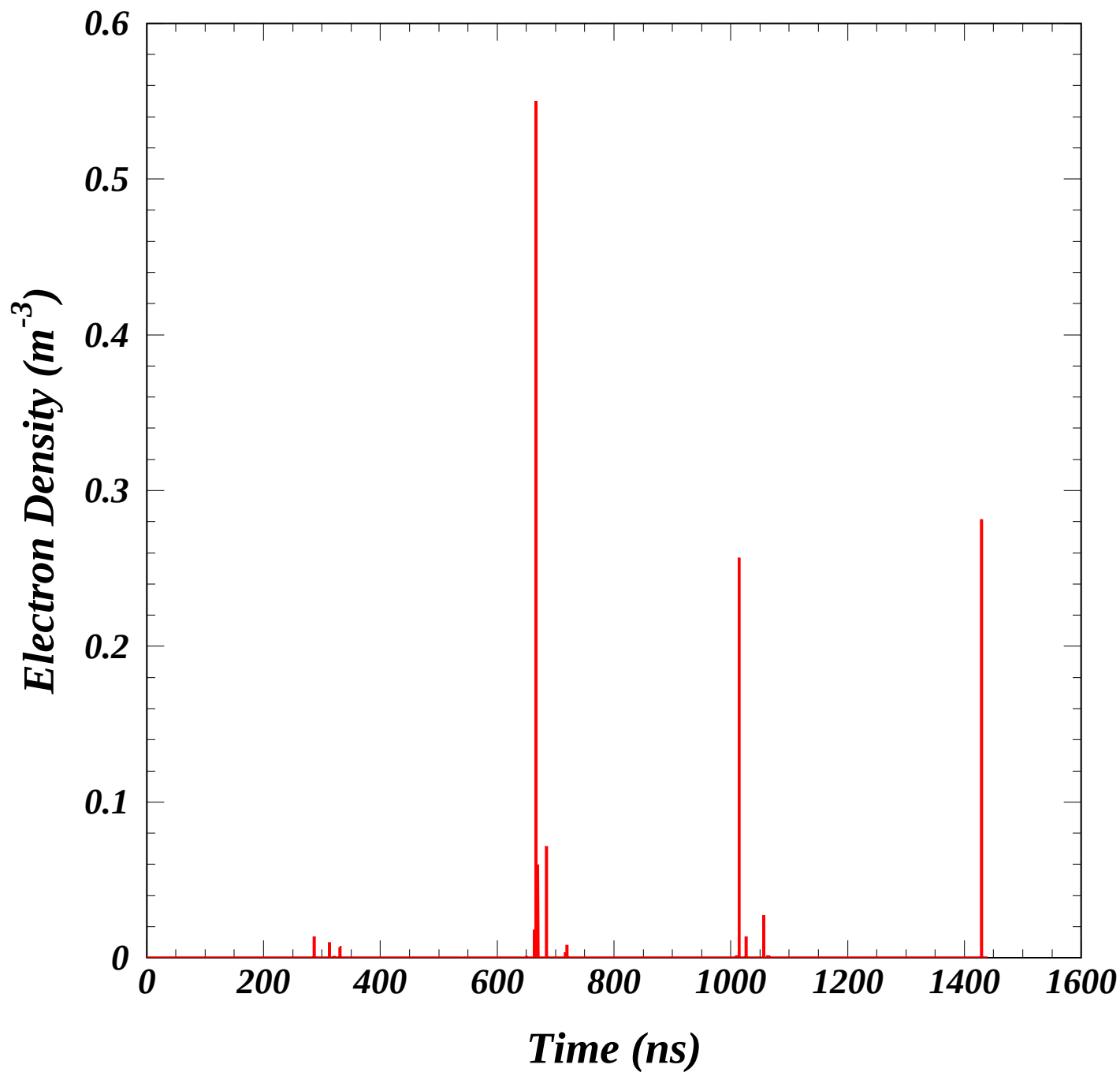
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/02/04 15.50



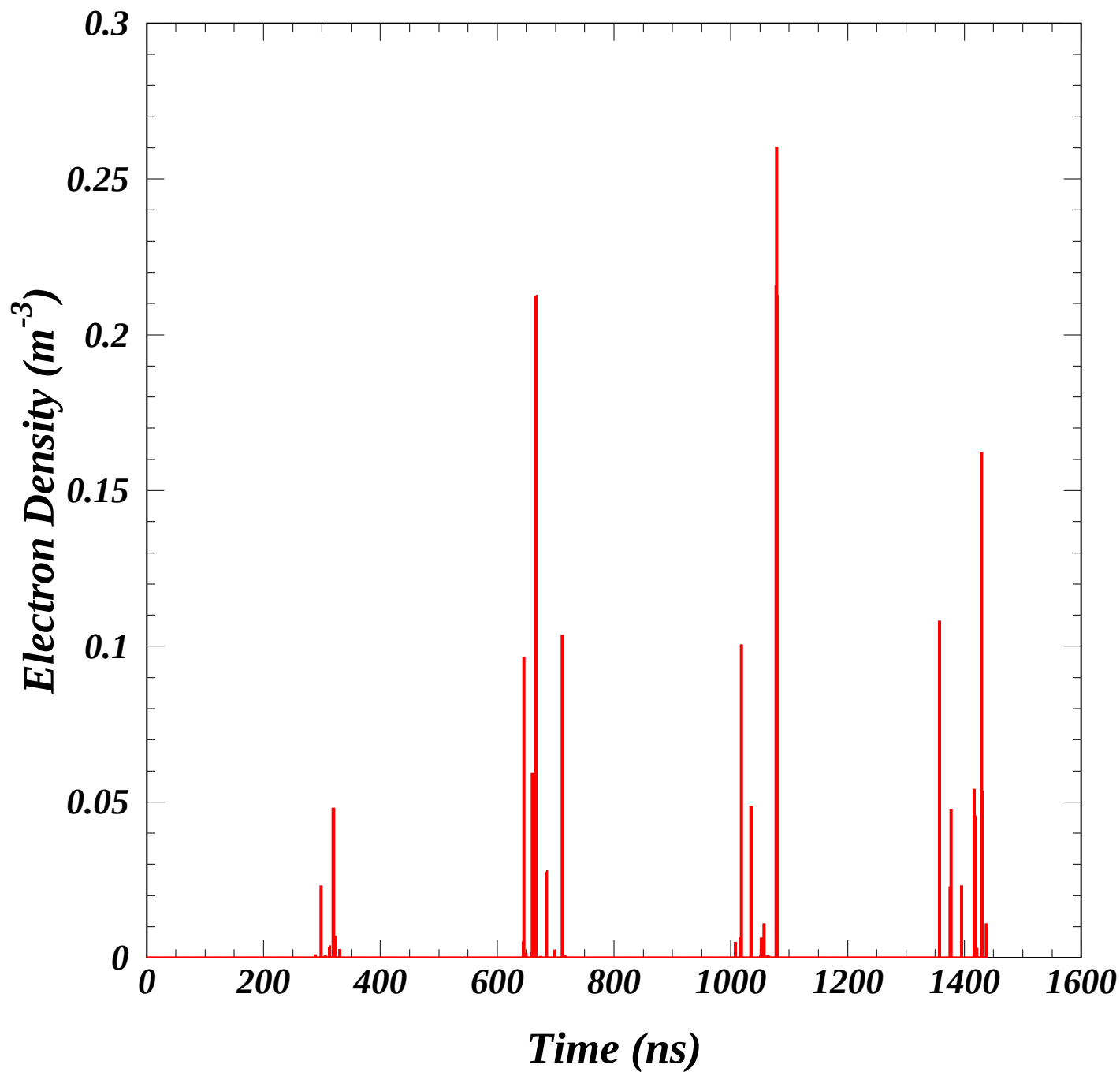
Macroparticle Statistics



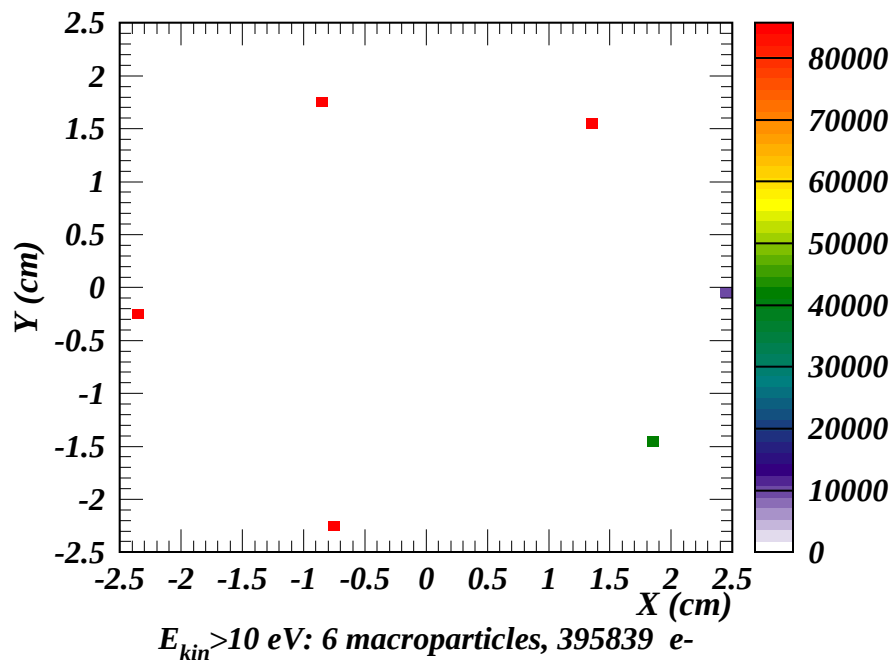
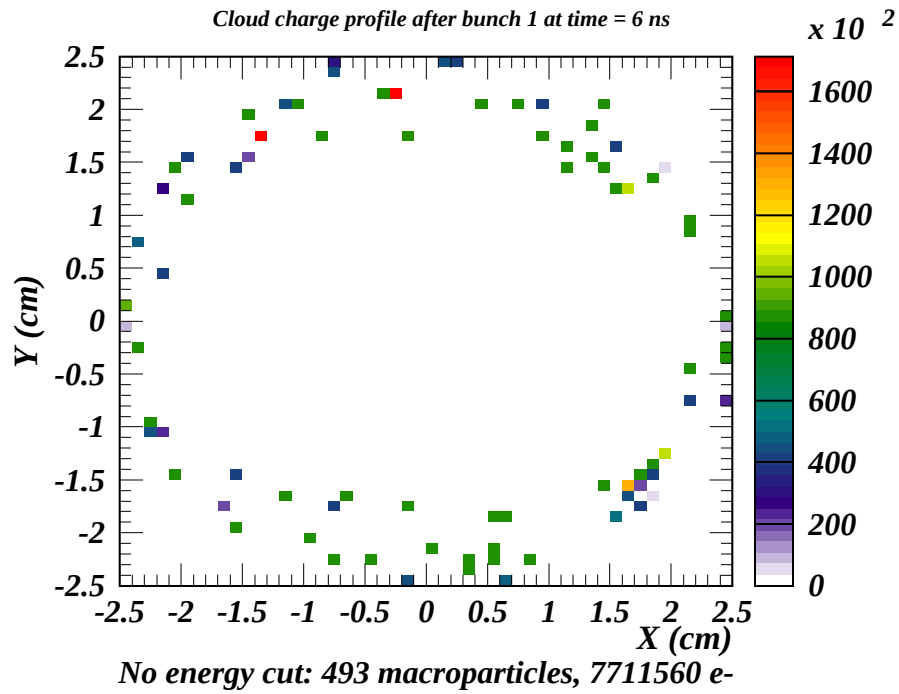
Beam-averaged Cloud Density (10^{12} m^{-3})

5-Sigma Cloud Density at Center of Pipe (10^{12} m^{-3})

ECLOUD-DR20100203_ele_dip_red: Cloud Density in Central Grid Cell (10^{12} m^{-3})

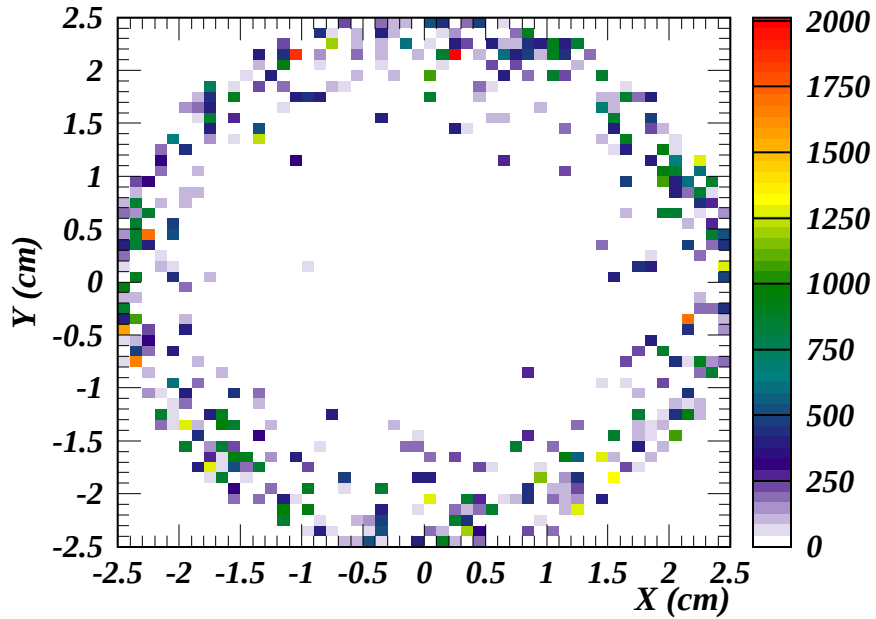


10/02/04 15.50

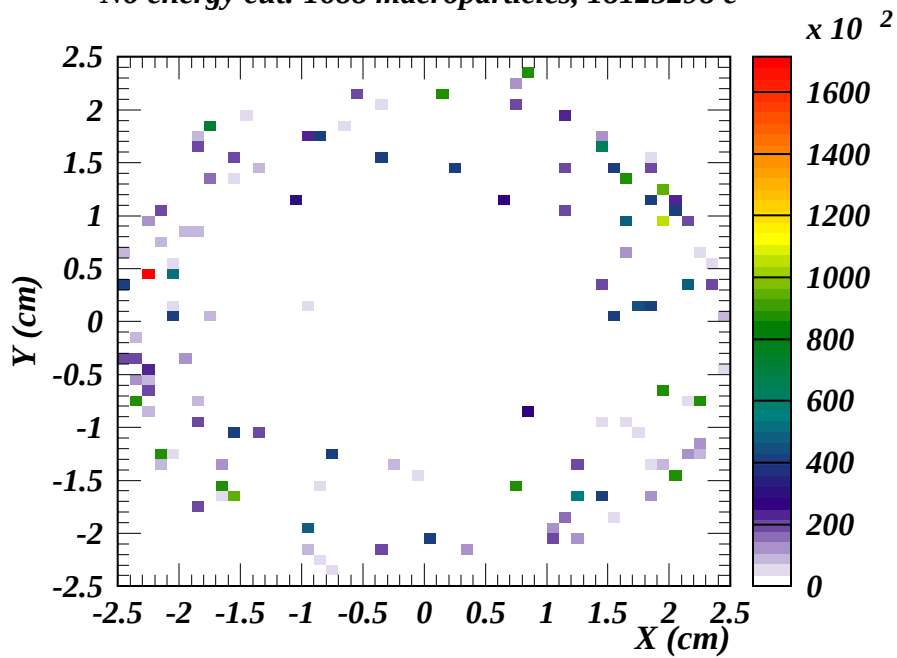


10/02/04 15.50
 $\times 10^{-2}$

Cloud charge profile after bunch 11 at time = 66 ns

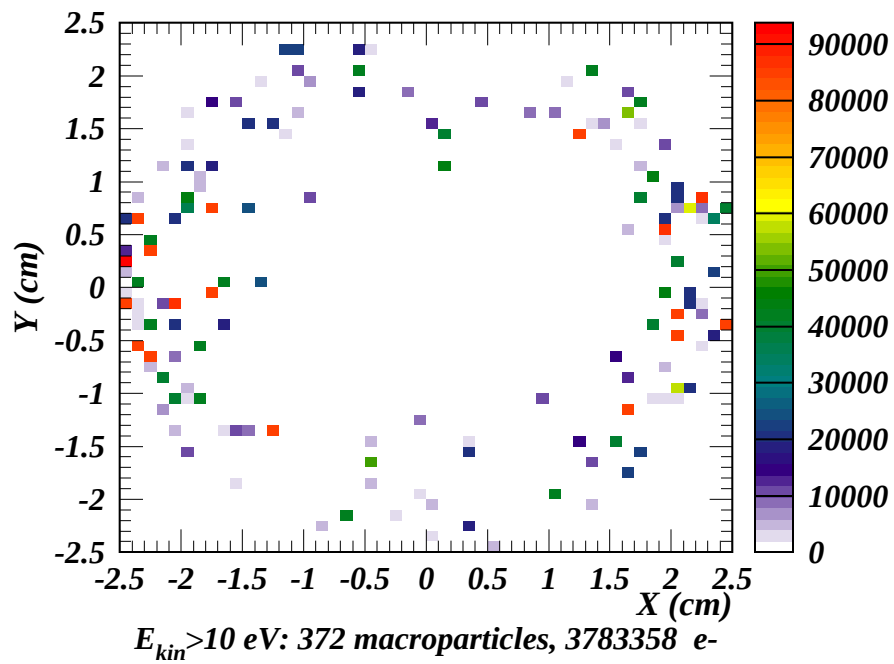
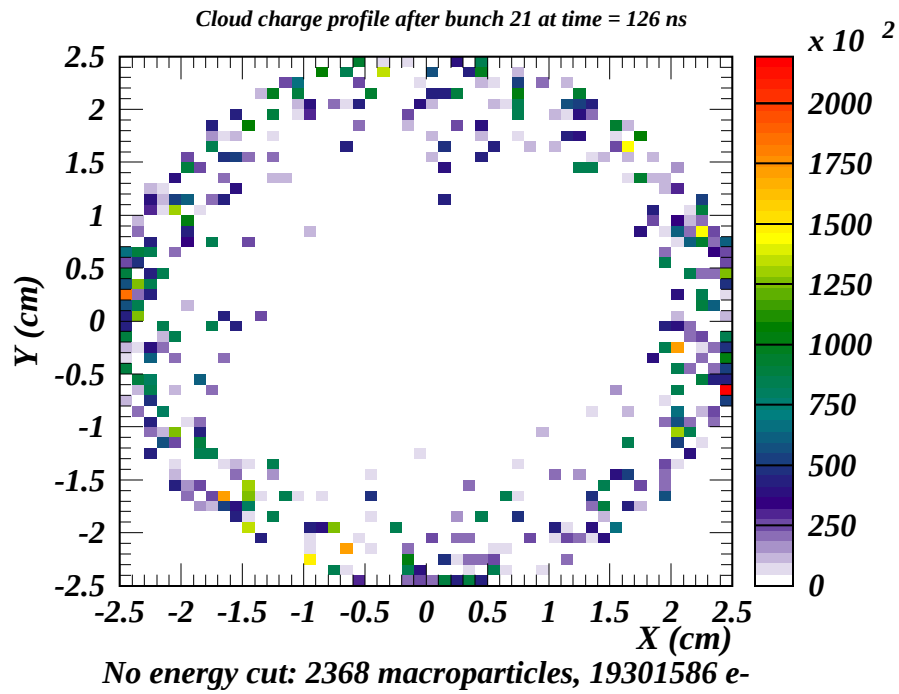


No energy cut: 1688 macroparticles, 18125298 e-

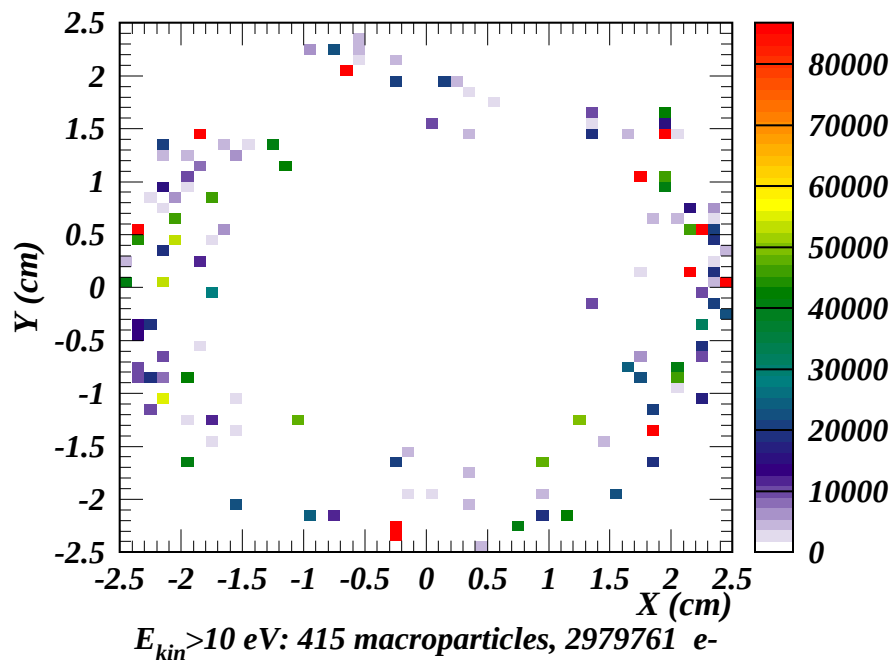
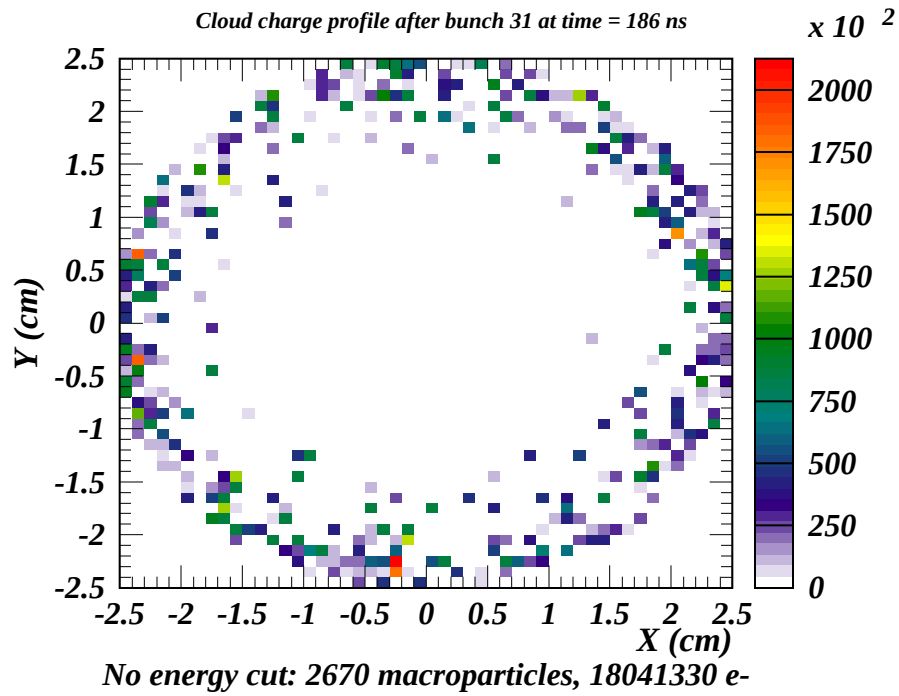


$E_{kin} > 10$ eV: 197 macroparticles, 3.56361e+06 e-

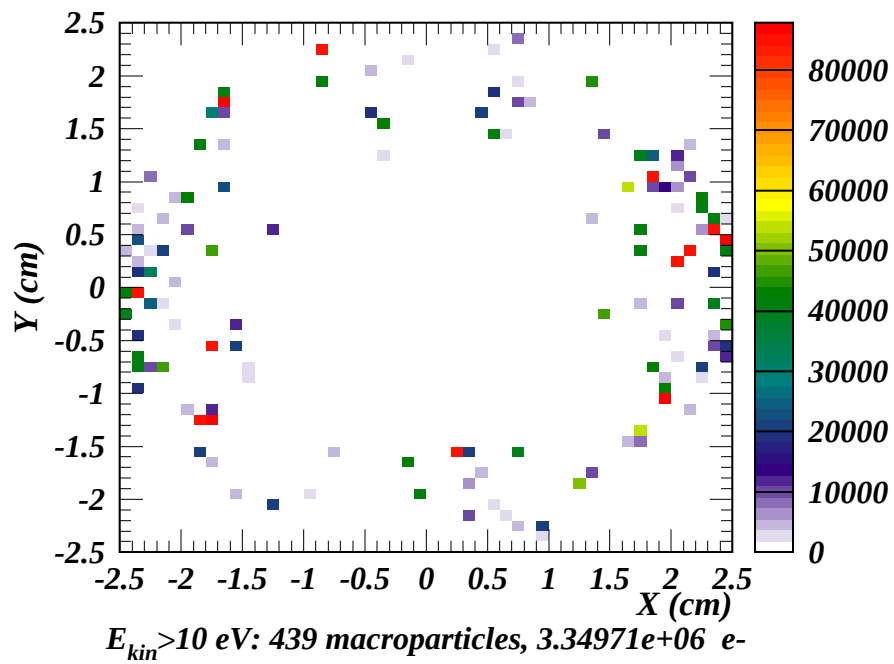
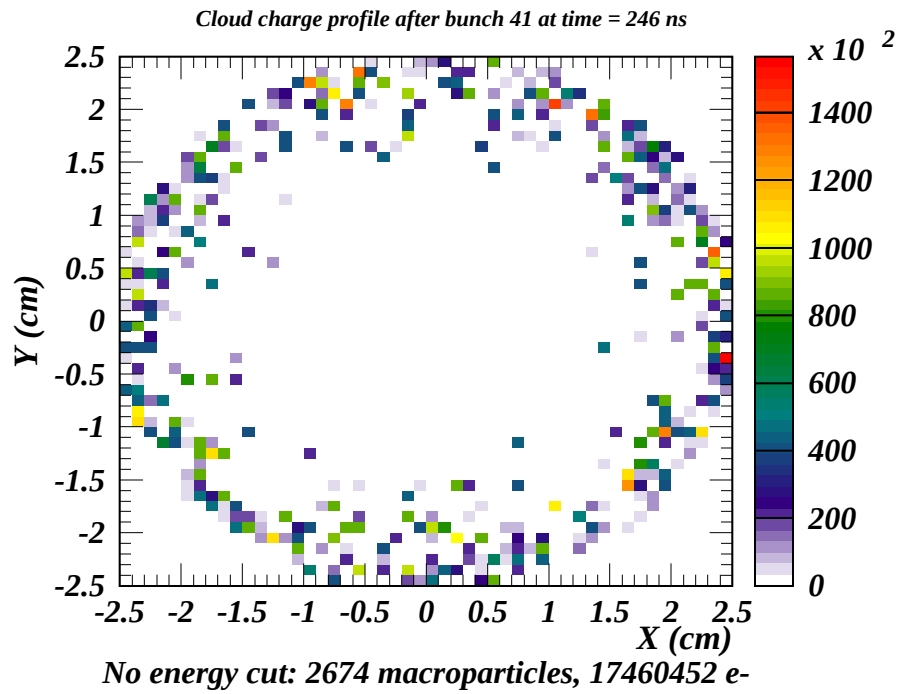
10/02/04 15.50



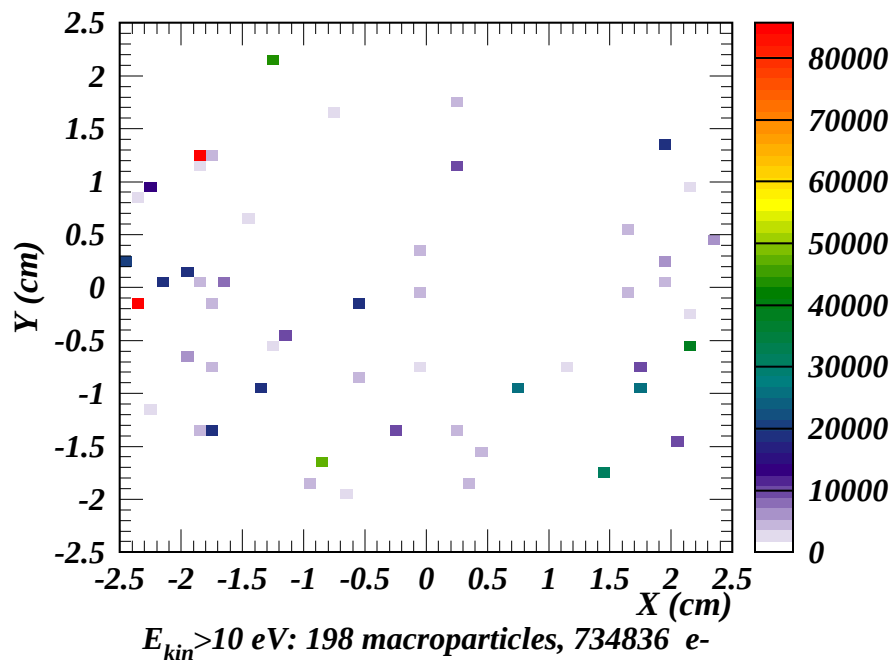
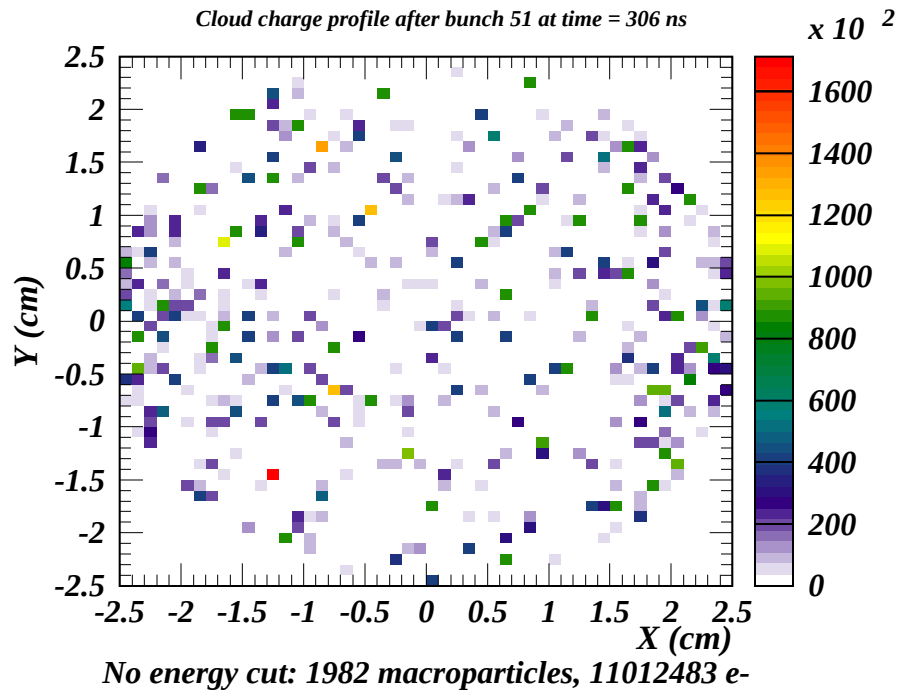
10/02/04 15.50



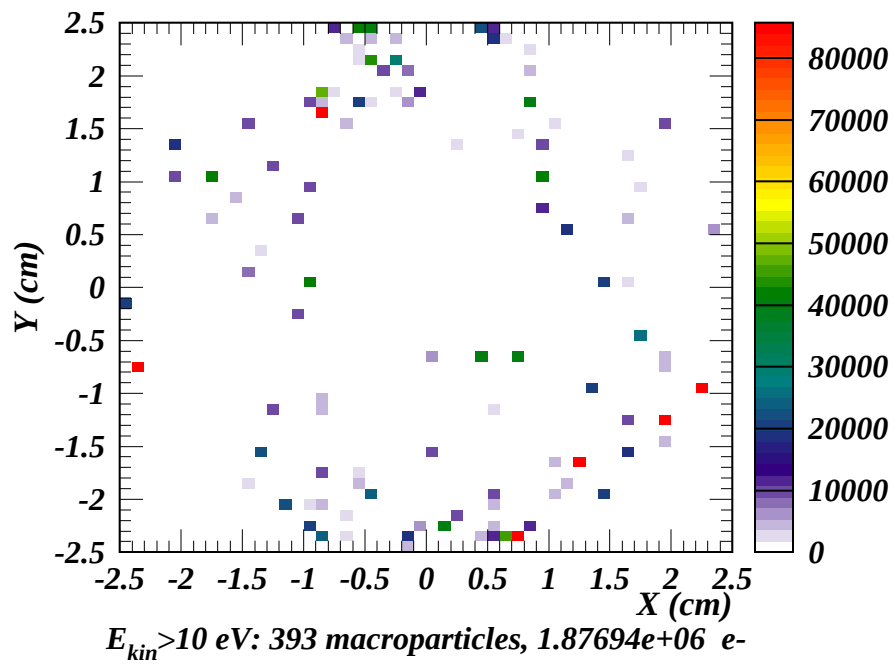
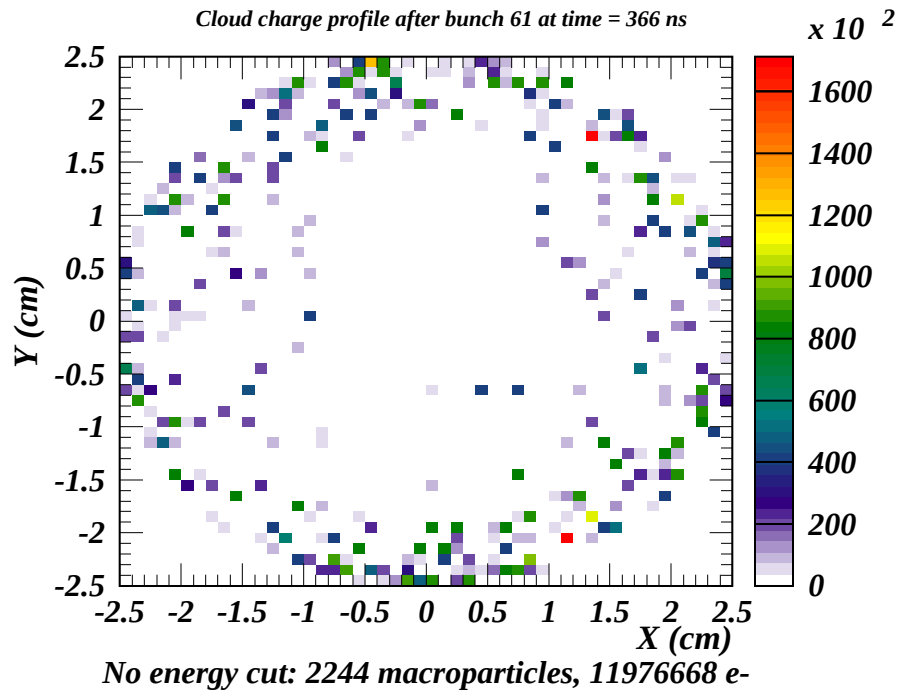
10/02/04 15.50



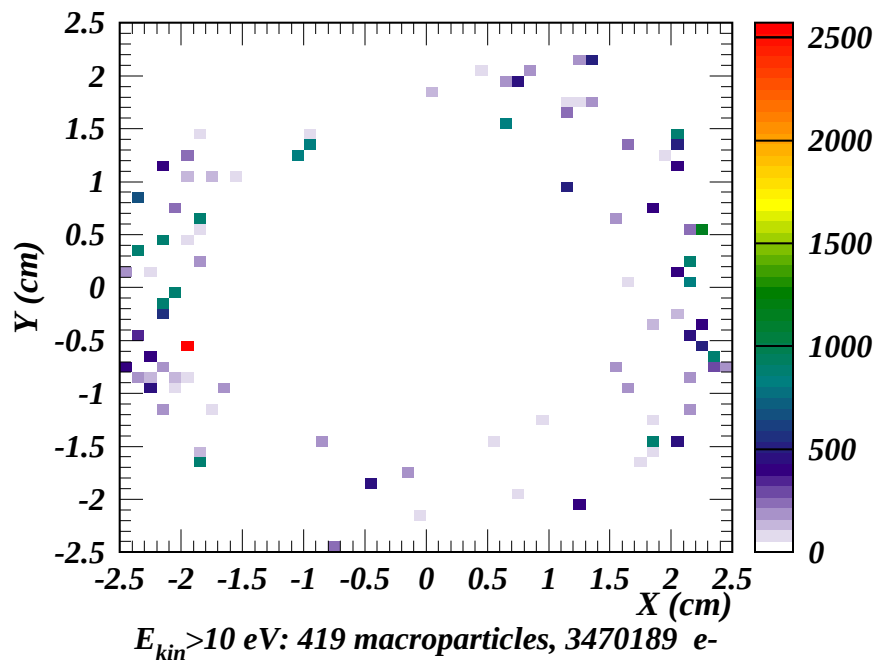
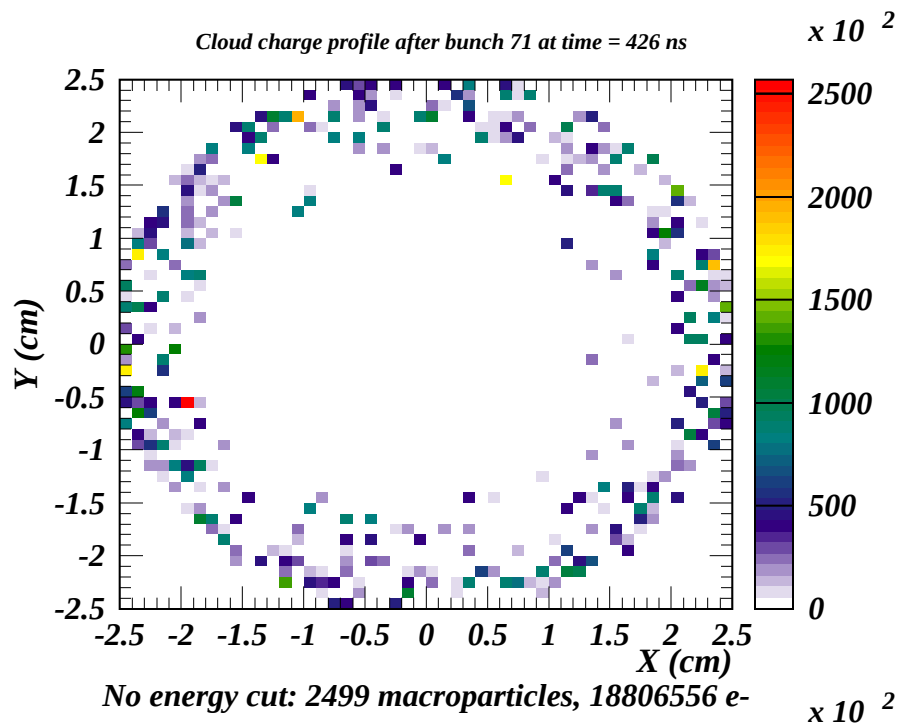
10/02/04 15.50



10/02/04 15.50

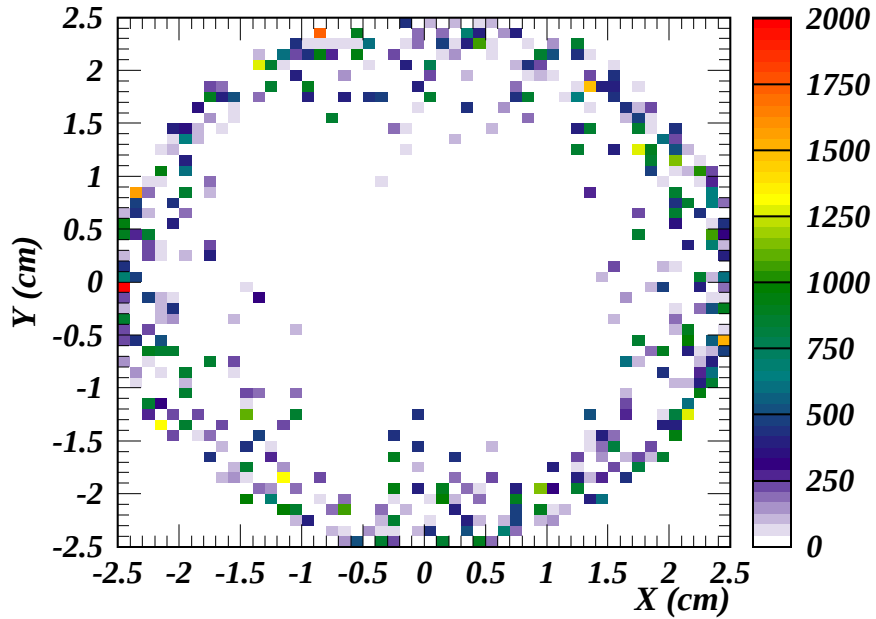


10/02/04 15.50

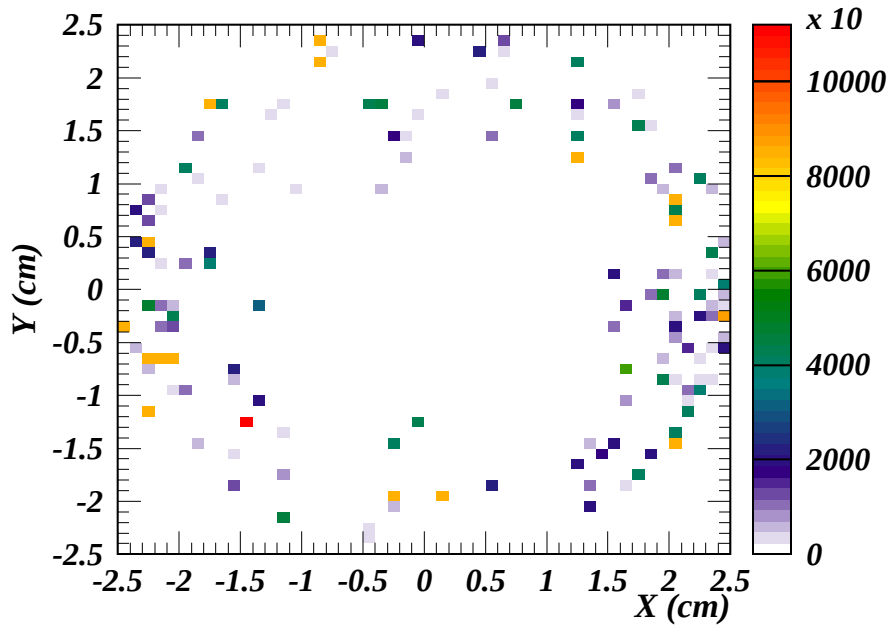


10/02/04 15.50
 $\times 10^{-2}$

Cloud charge profile after bunch 81 at time = 486 ns

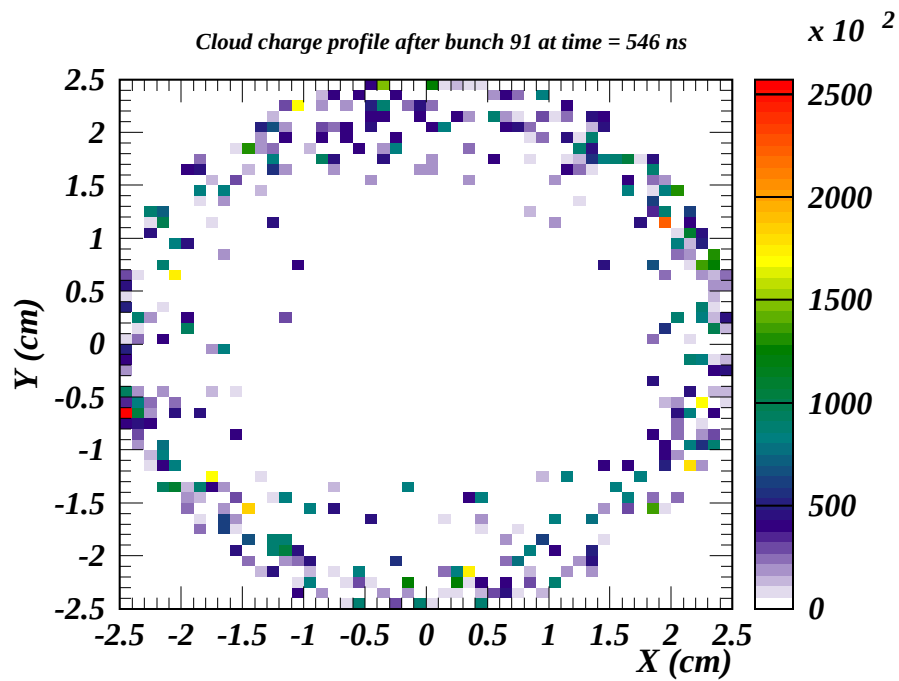


No energy cut: 2610 macroparticles, 18114506 e-

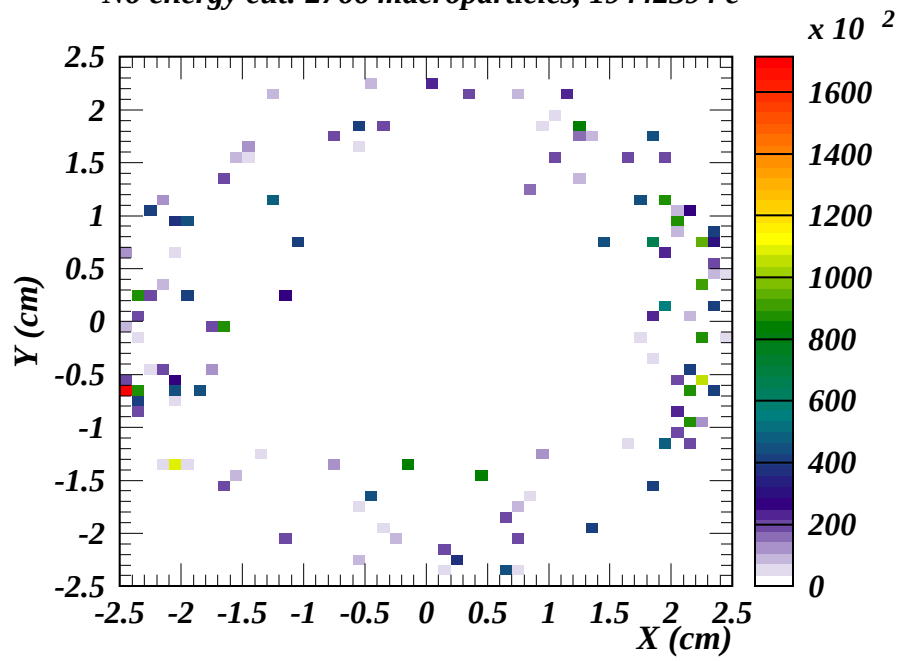


$E_{kin} > 10$ eV: 419 macroparticles, 3.71839e+06 e-

10/02/04 15.50

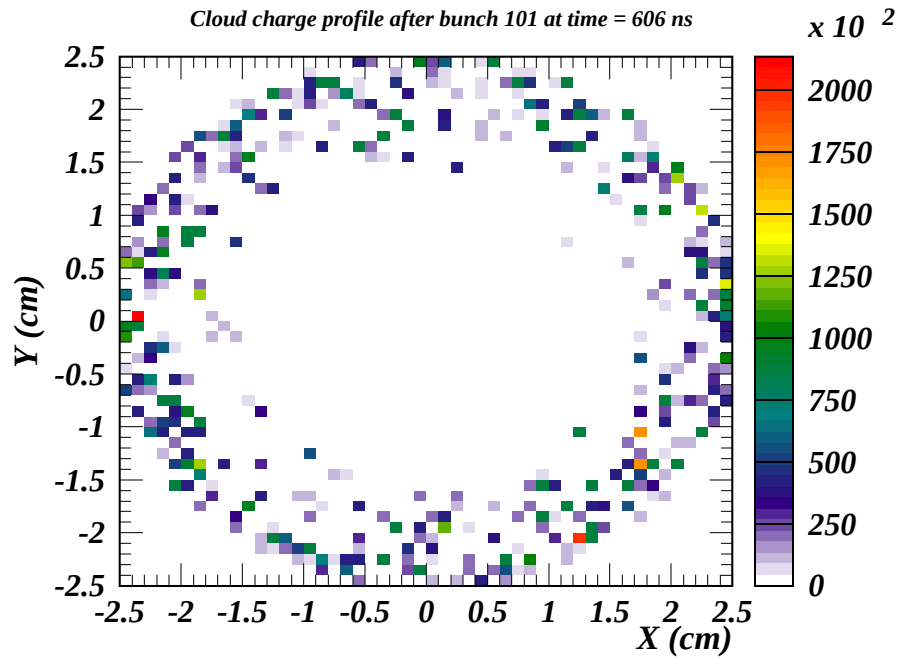


No energy cut: 2766 macroparticles, 19442394 e-

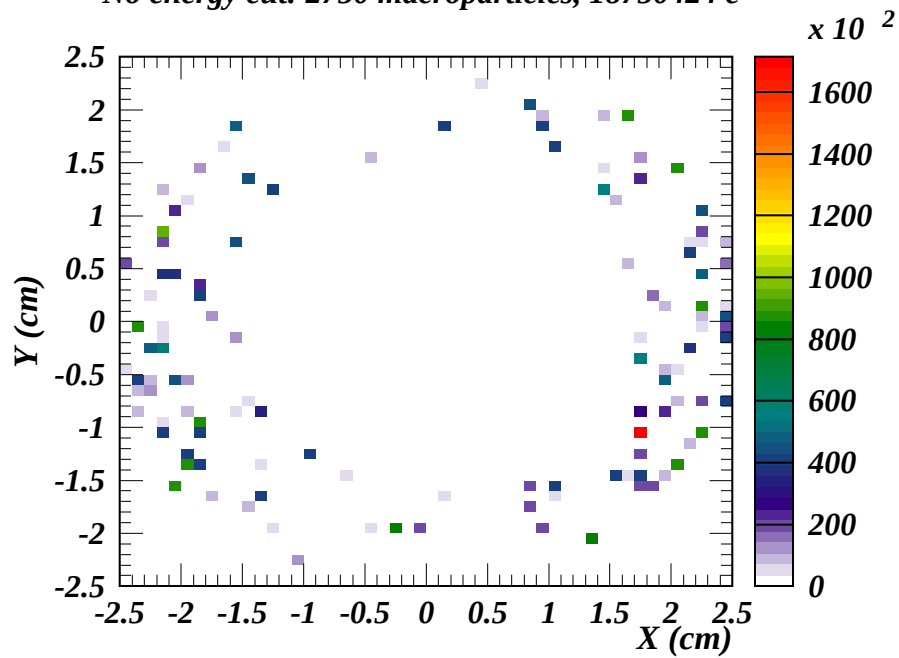


$E_{kin} > 10$ eV: 474 macroparticles, 3.82981e+06 e-

10/02/04 15.50

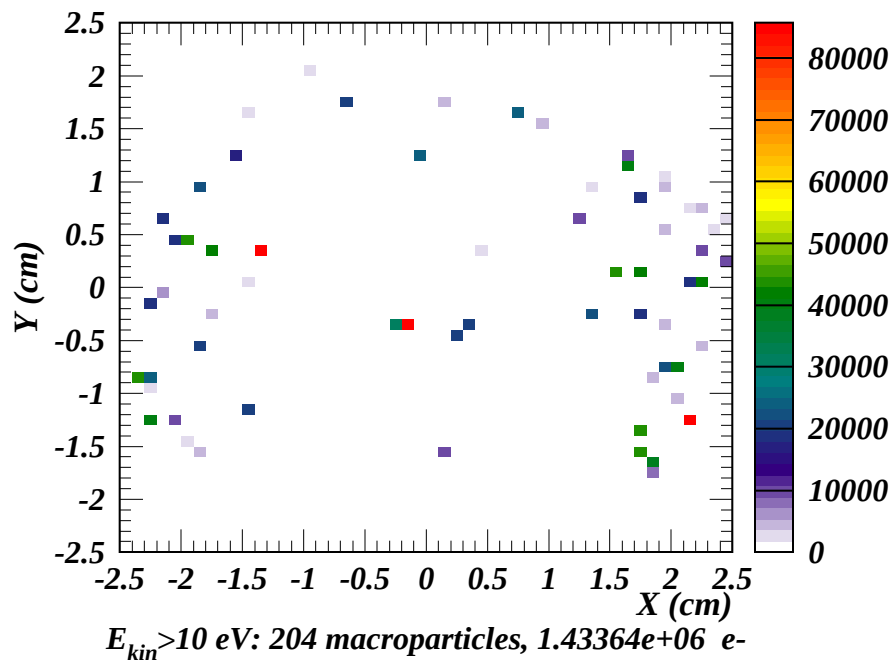
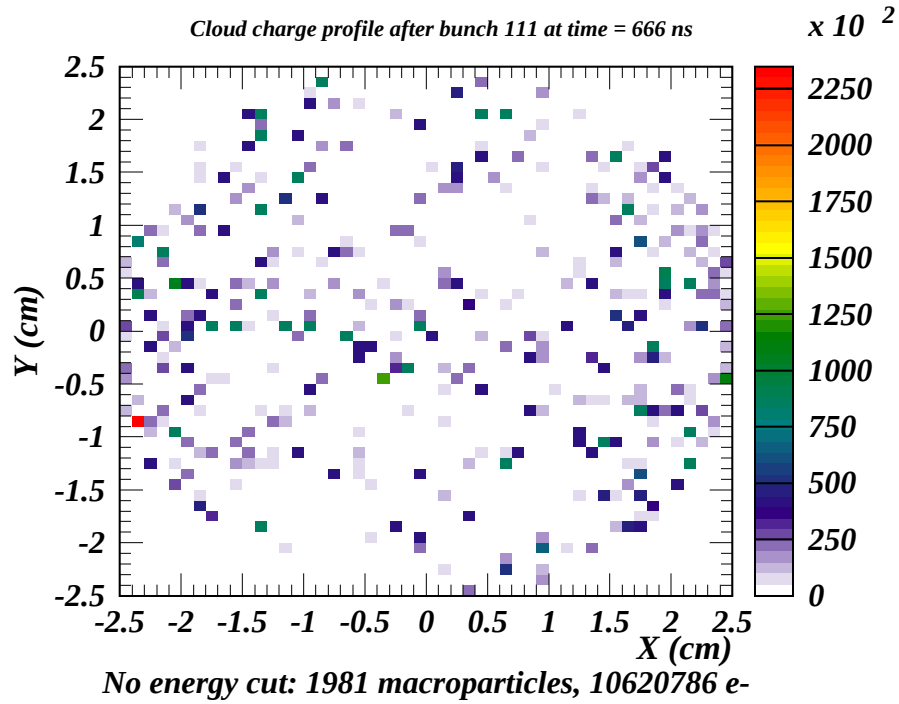


No energy cut: 2750 macroparticles, 18750424 e-

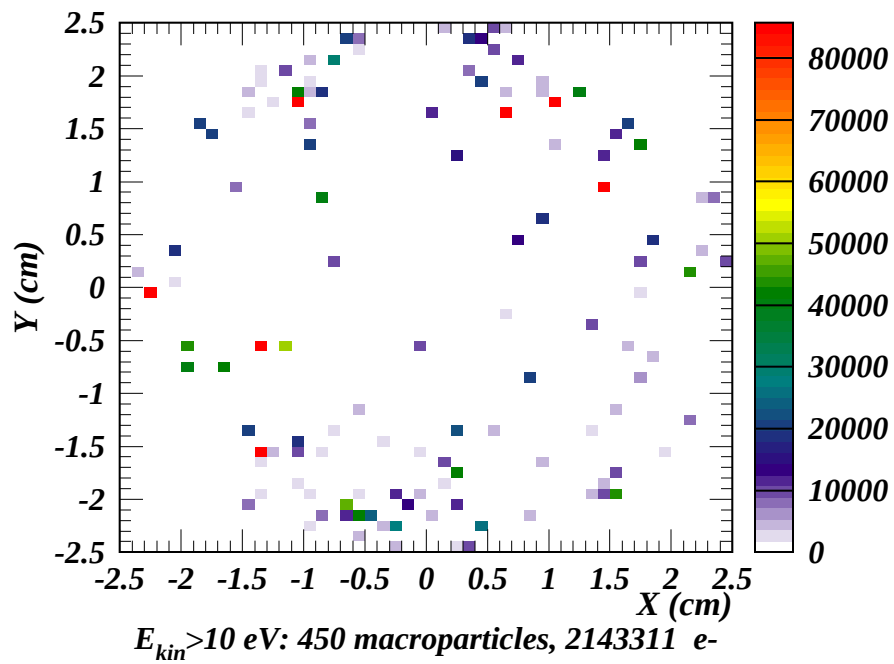
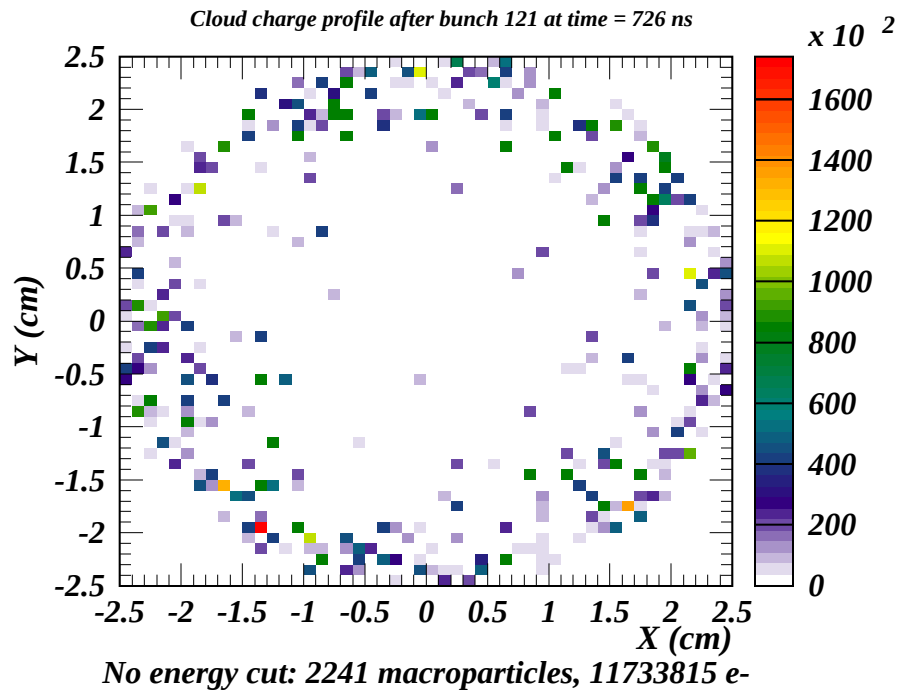


$E_{kin} > 10$ eV: 504 macroparticles, 3.84111e+06 e-

10/02/04 15.50



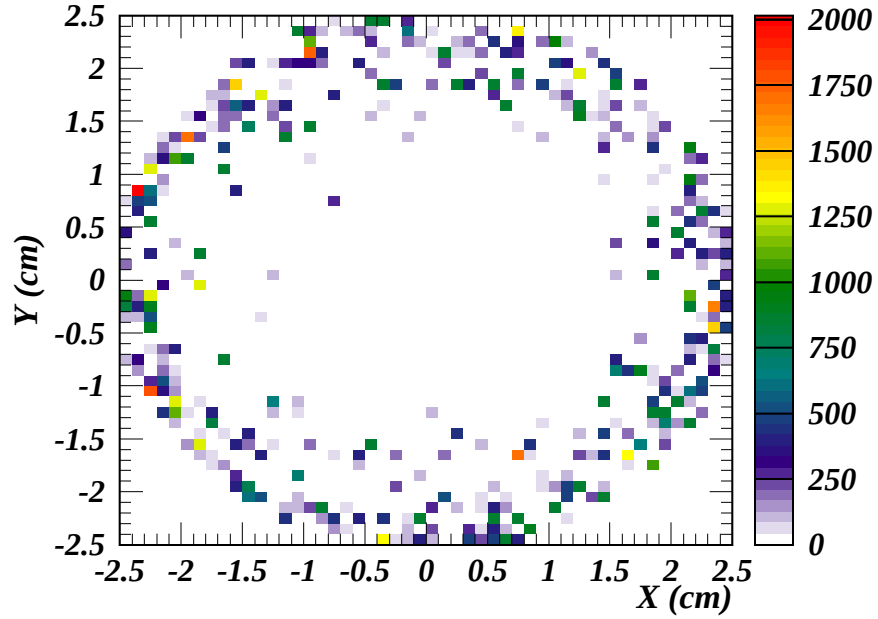
10/02/04 15.50



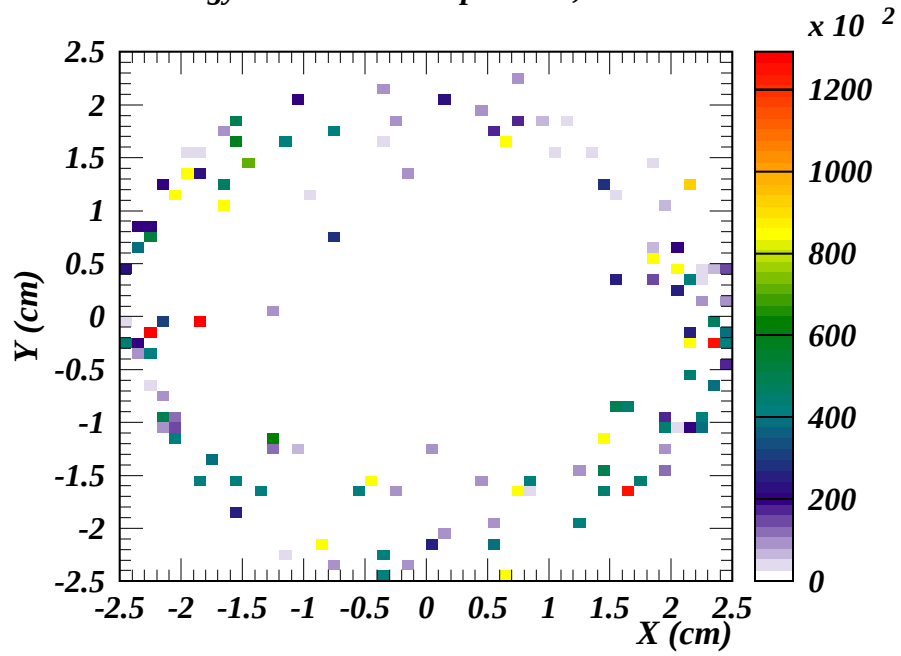
10/02/04 15.50

$\times 10^{-2}$

Cloud charge profile after bunch 131 at time = 786 ns

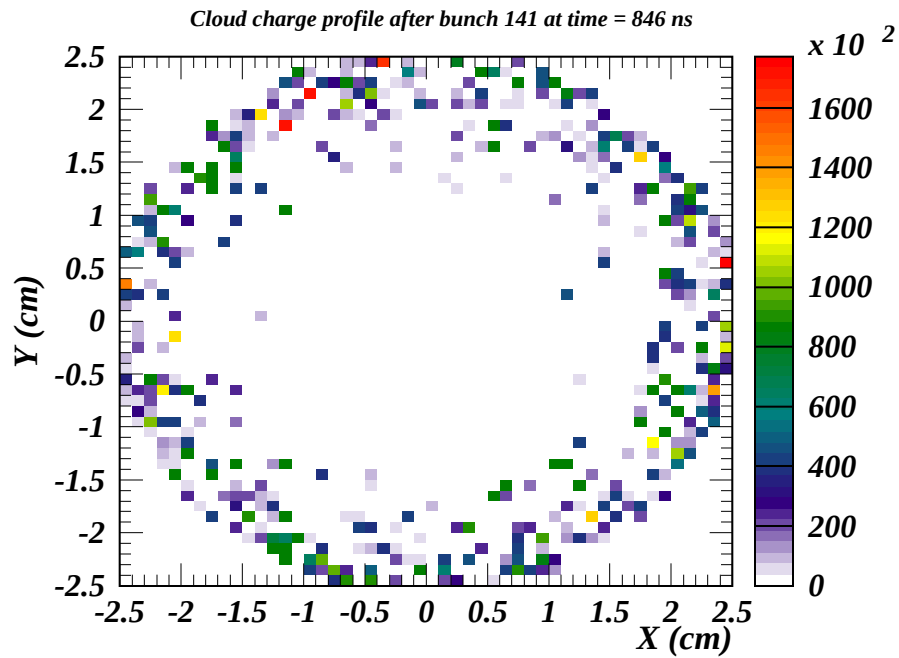


No energy cut: 2501 macroparticles, 17080714 e-

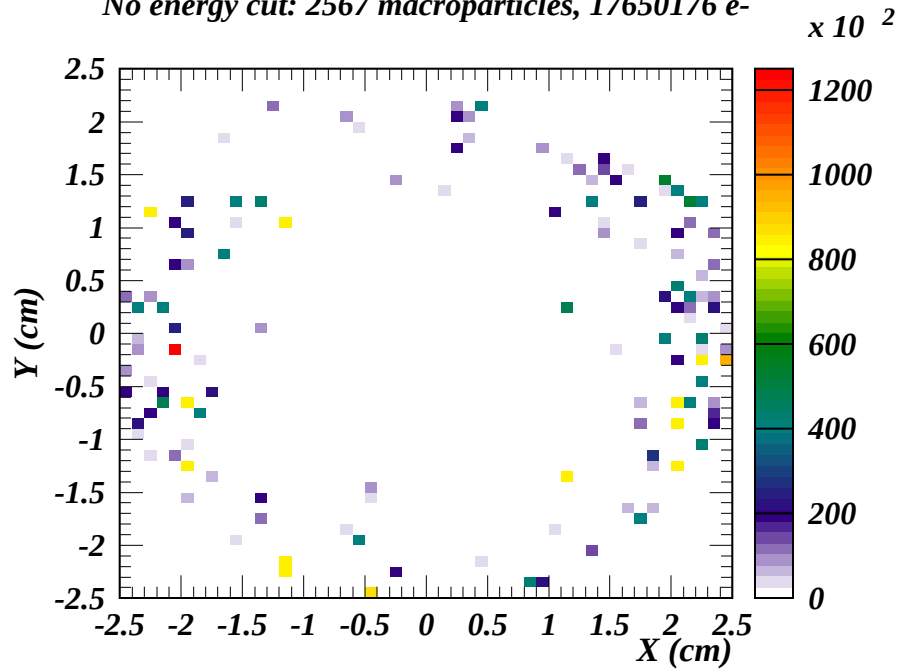


$E_{kin} > 10 \text{ eV}$: 400 macroparticles, 4406806 e-

10/02/04 15.50

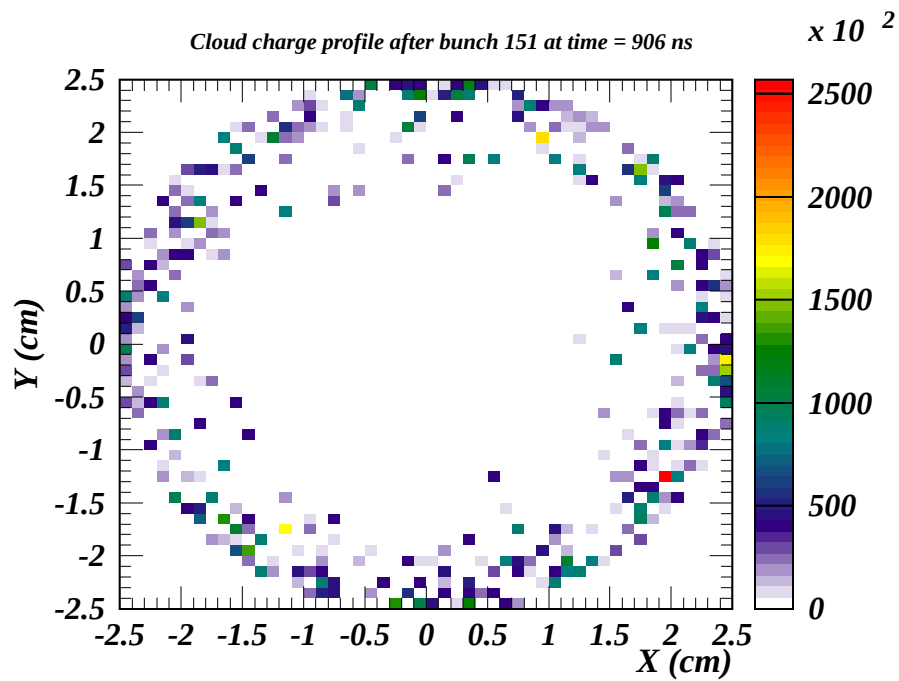


No energy cut: 2567 macroparticles, 17650176 e-

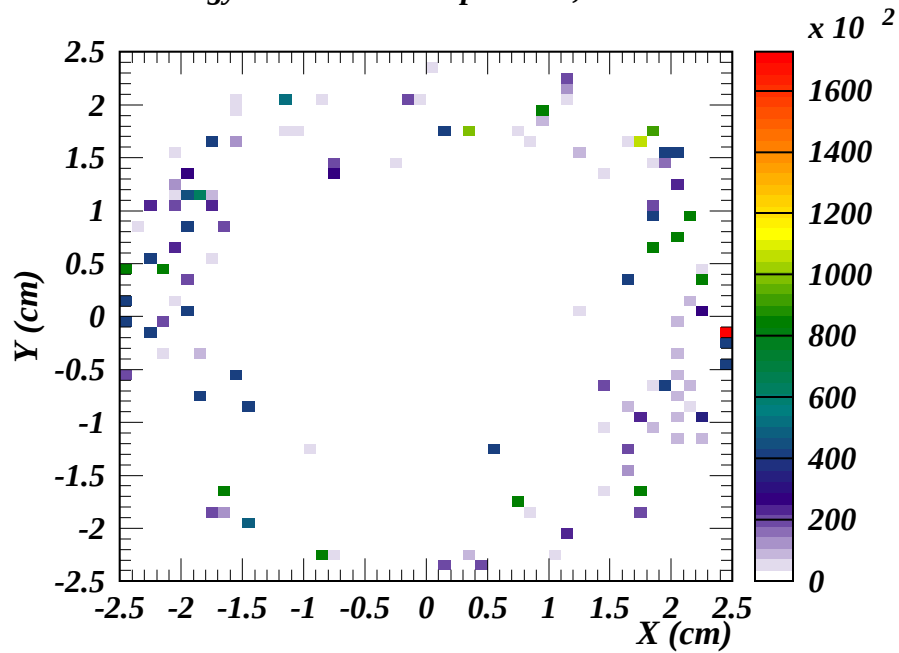


$E_{kin} > 10$ eV: 446 macroparticles, 3.3999e+06 e-

10/02/04 15.50



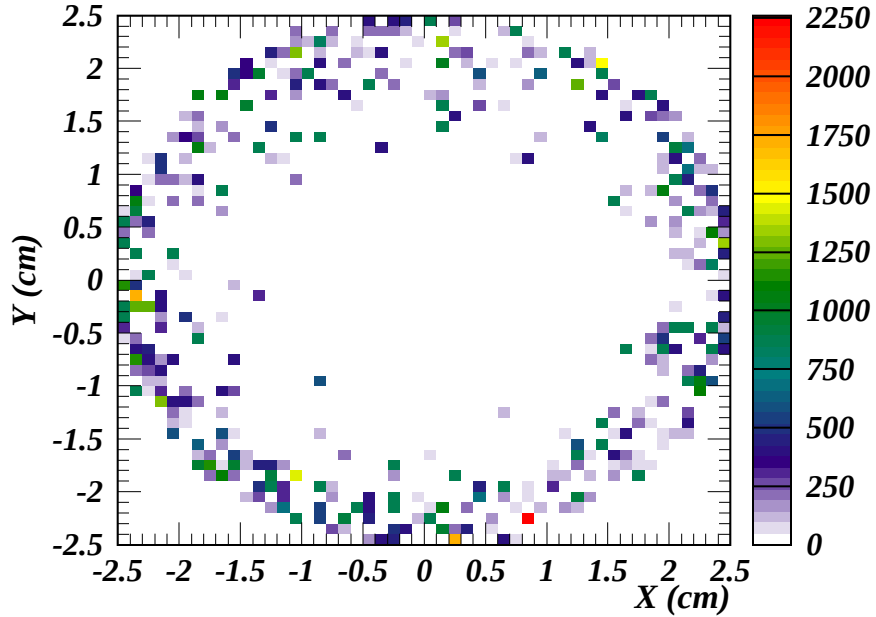
No energy cut: 2637 macroparticles, 16885968 e-



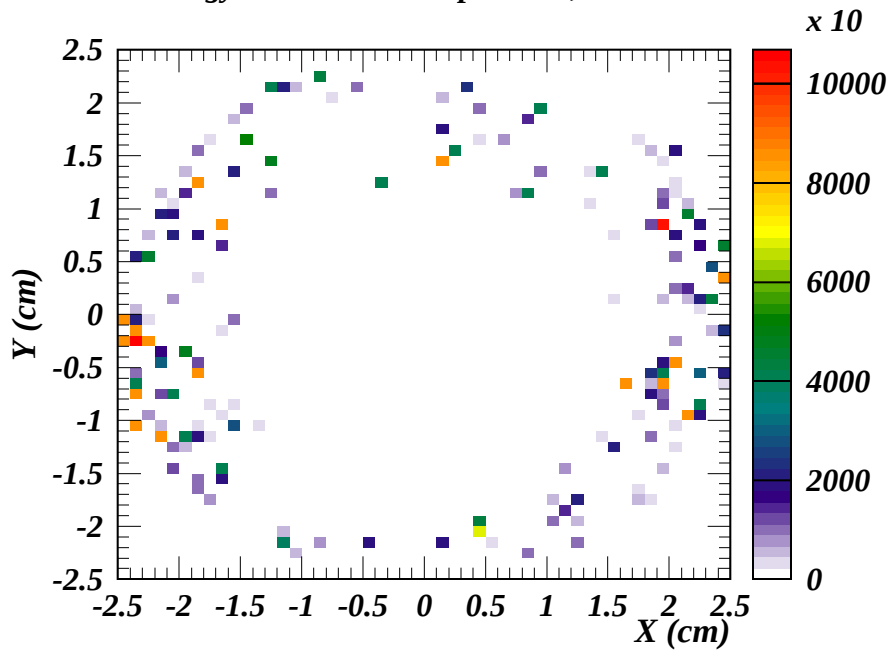
$E_{kin} > 10$ eV: 449 macroparticles, 3.51383e+06 e-

10/02/04 15.50
 $\times 10^{-2}$

Cloud charge profile after bunch 161 at time = 966 ns

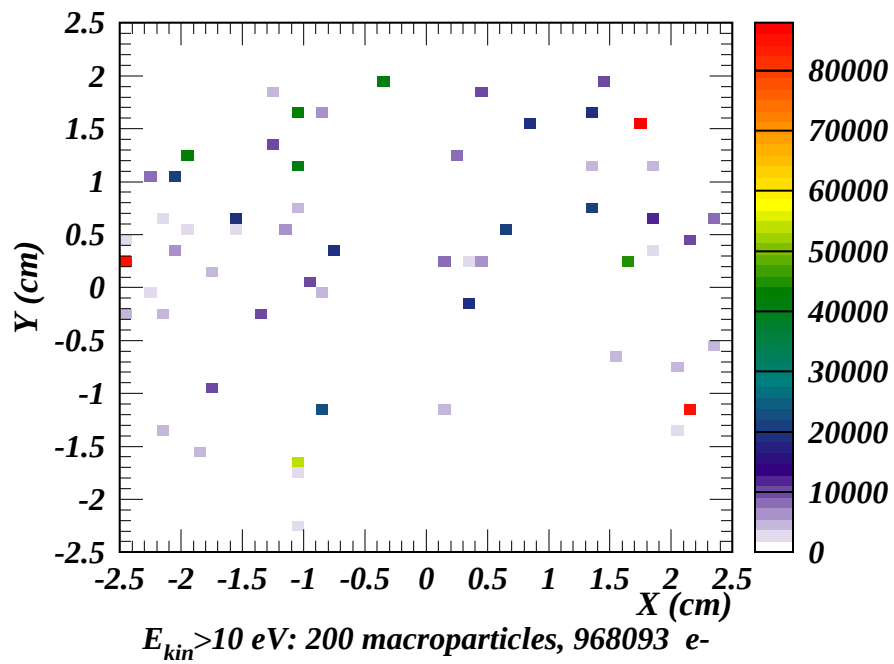
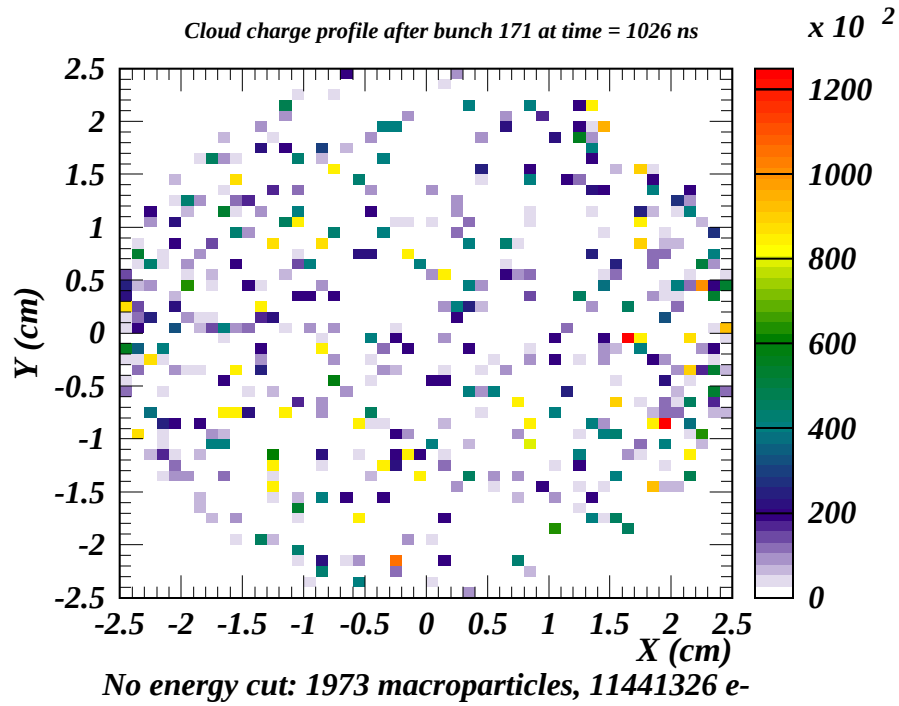


No energy cut: 2690 macroparticles, 18972304 e-

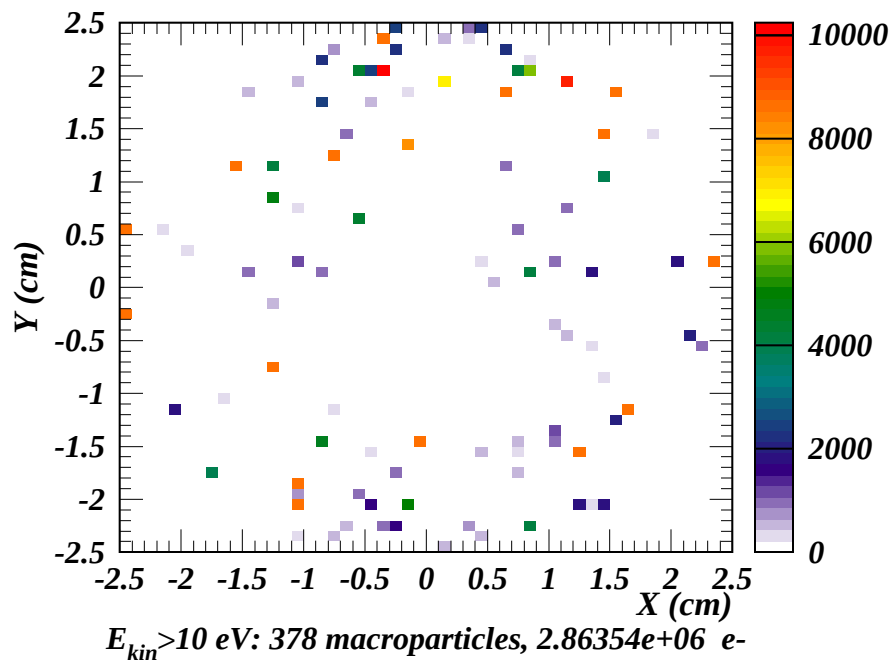
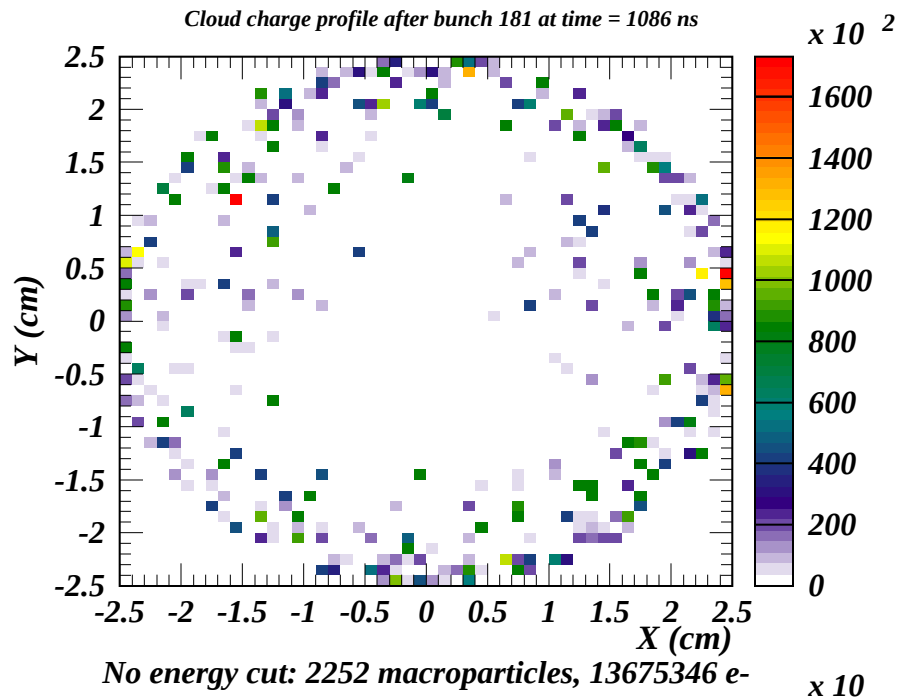


$E_{kin} > 10$ eV: 476 macroparticles, 4258726 e-

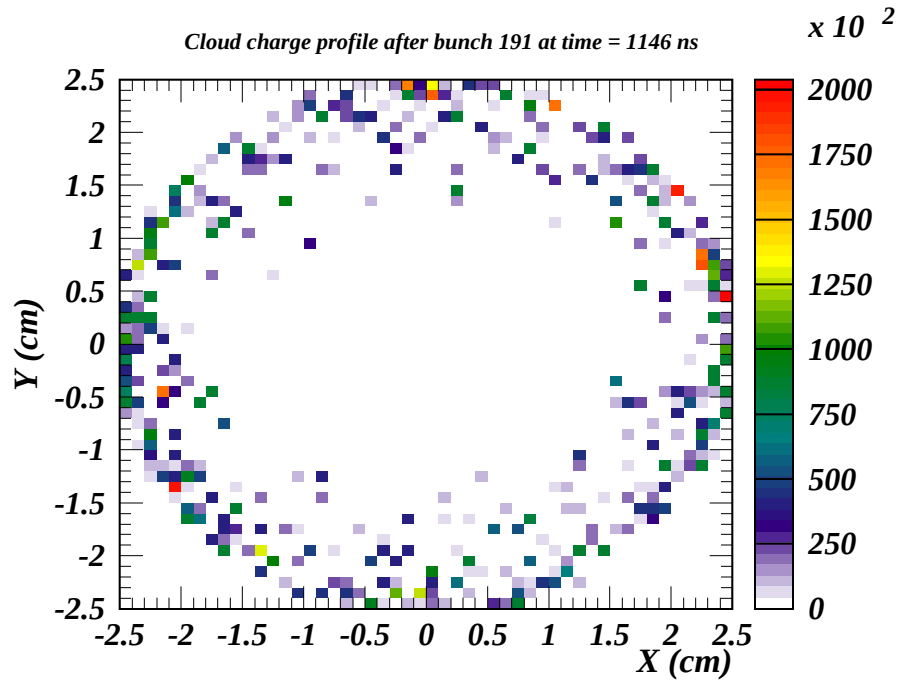
10/02/04 15.50



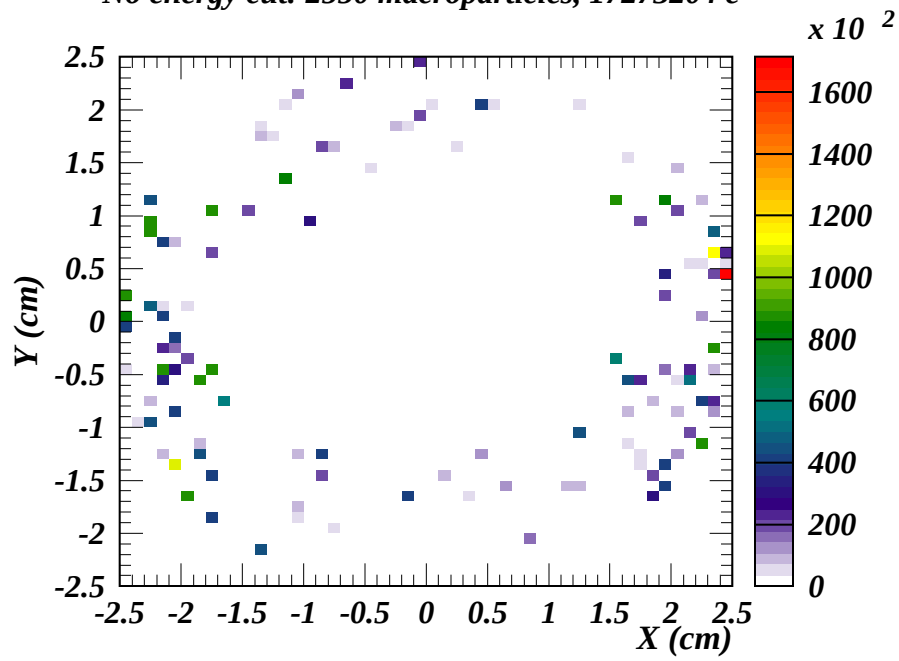
10/02/04 15.50



10/02/04 15.50

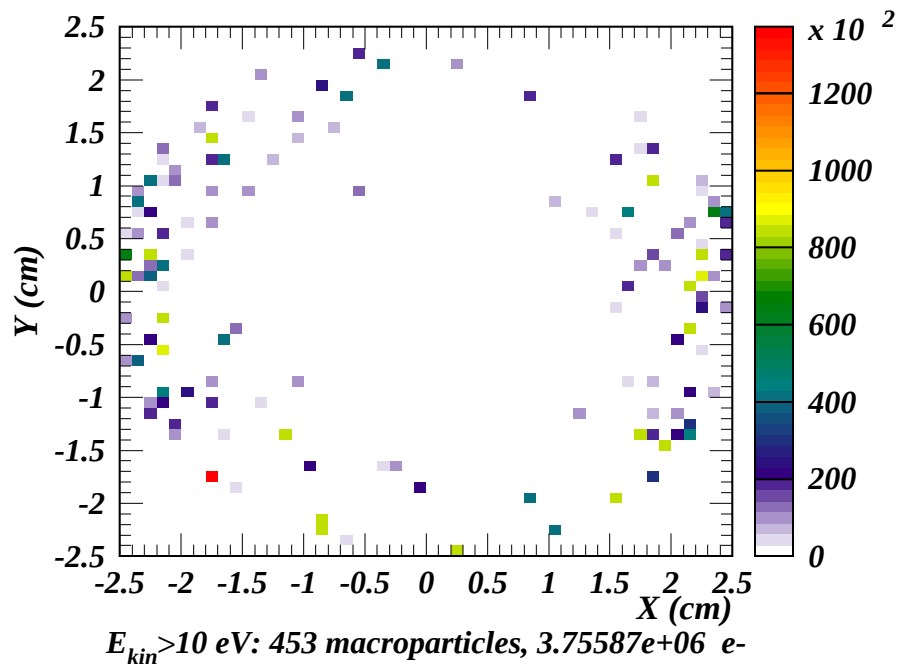
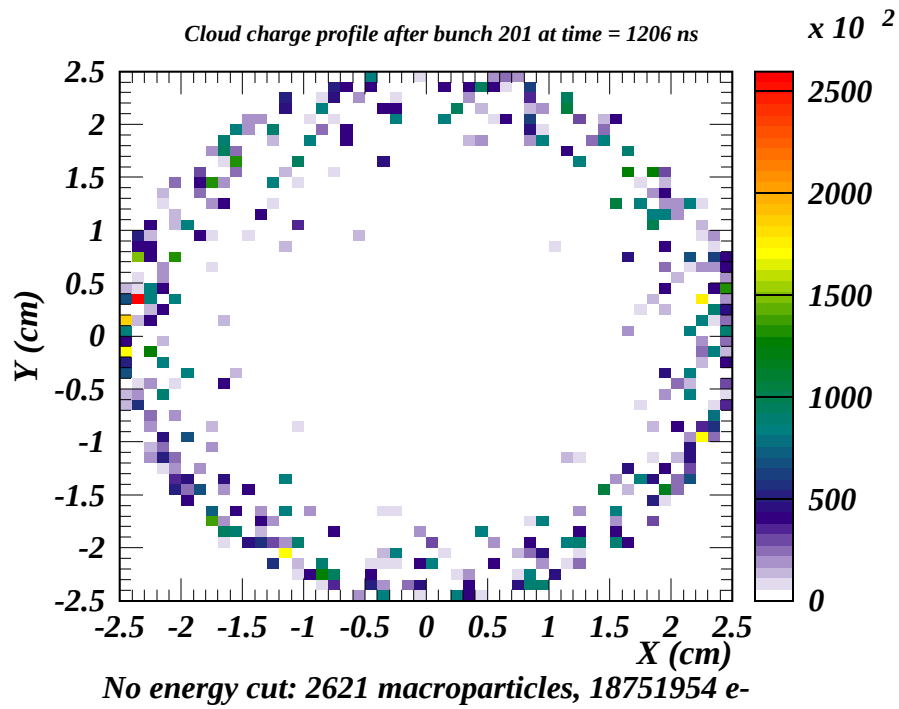


No energy cut: 2550 macroparticles, 17273204 e-

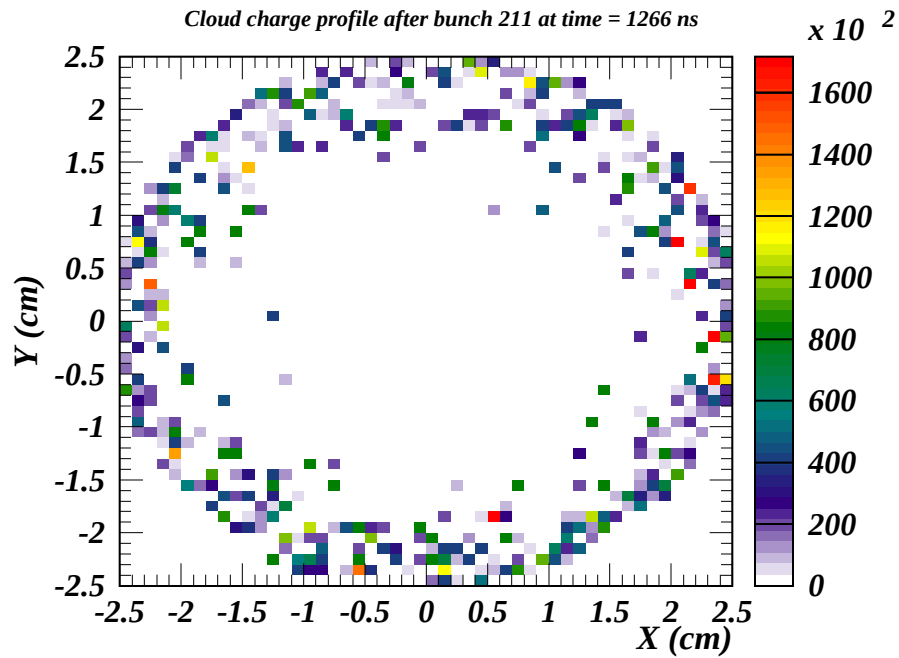


$E_{kin} > 10$ eV: 461 macroparticles, 3.85e+06 e-

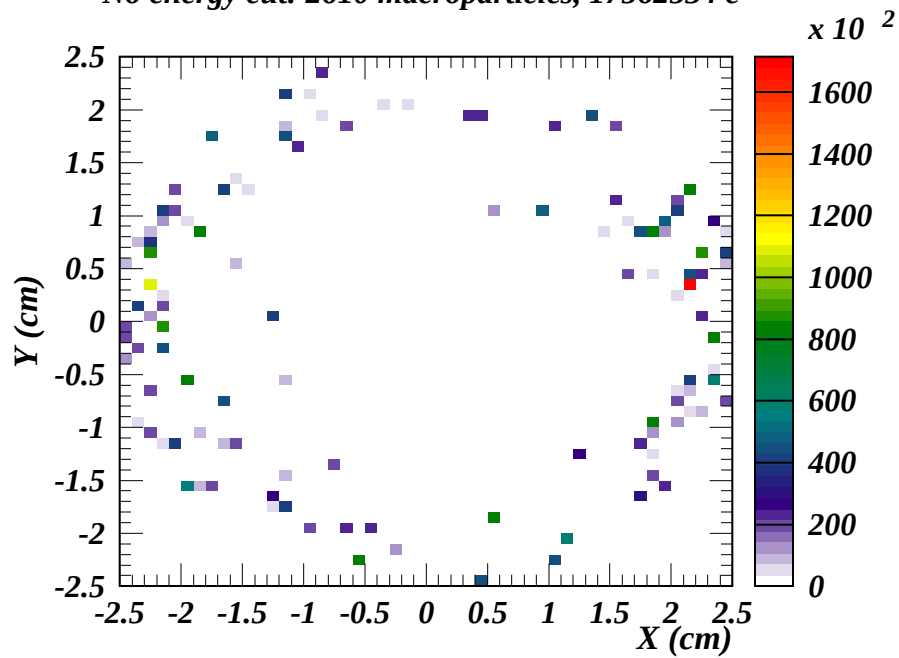
10/02/04 15.50



10/02/04 15.50

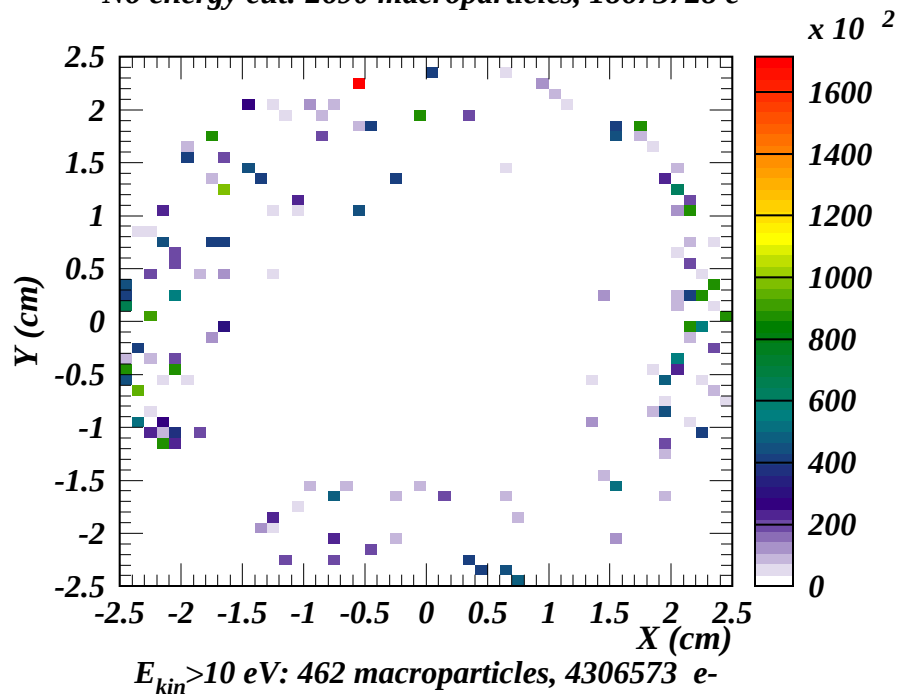
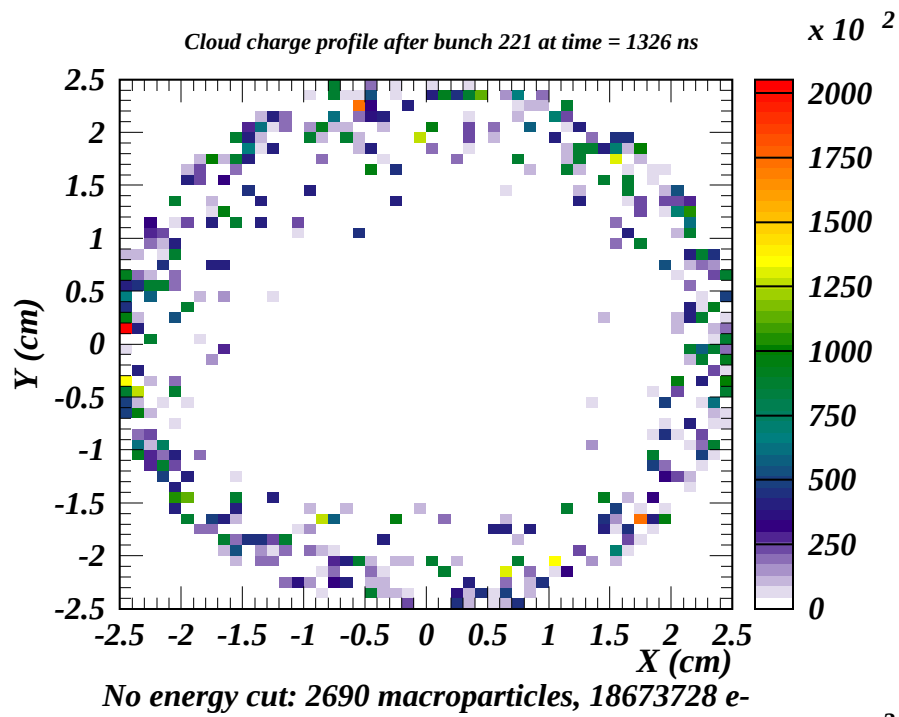


No energy cut: 2610 macroparticles, 17562534 e-

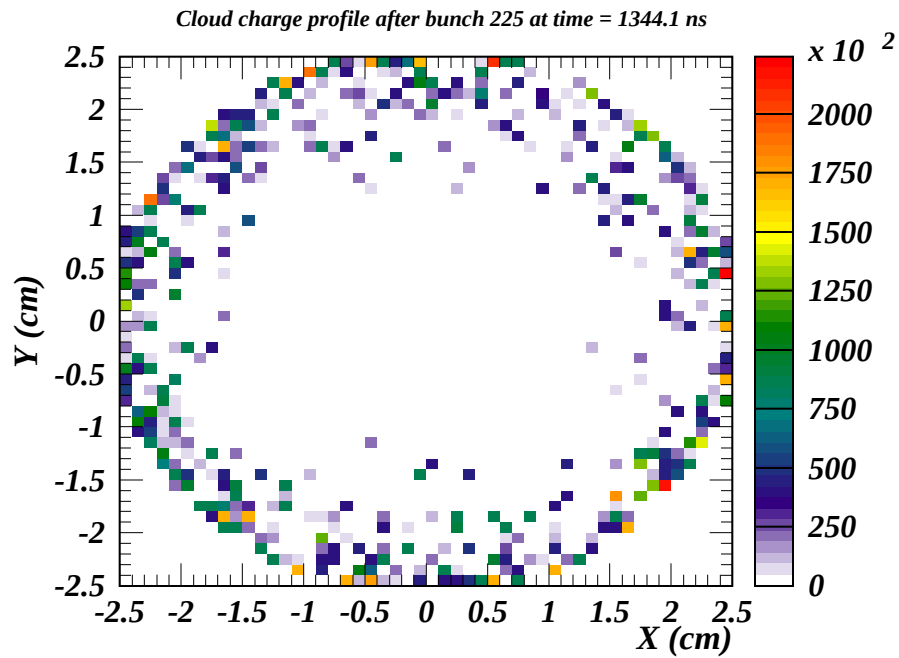


$E_{kin} > 10$ eV: 451 macroparticles, 3.52191e+06 e-

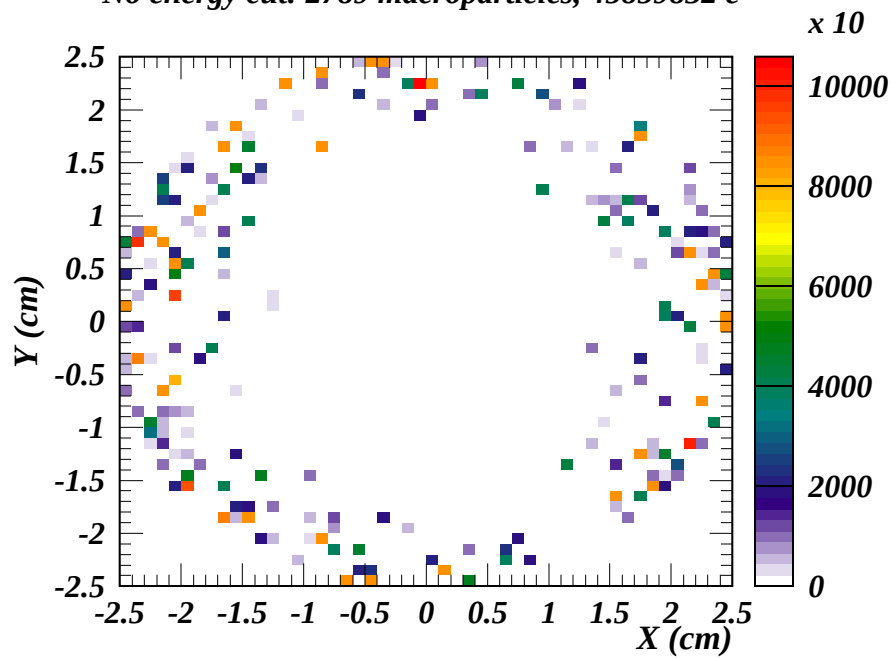
10/02/04 15.50



10/02/04 15.50



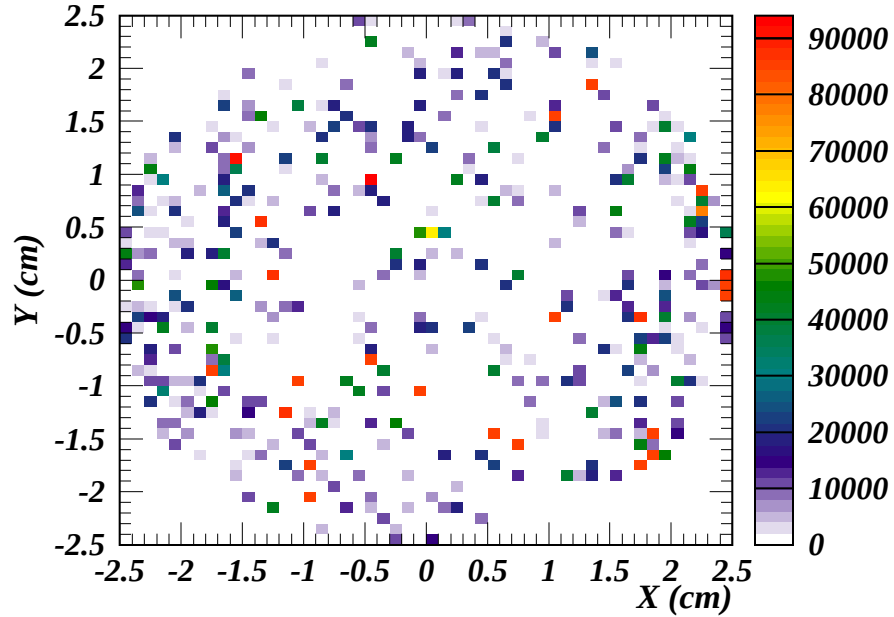
No energy cut: 2789 macroparticles, 45859832 e-



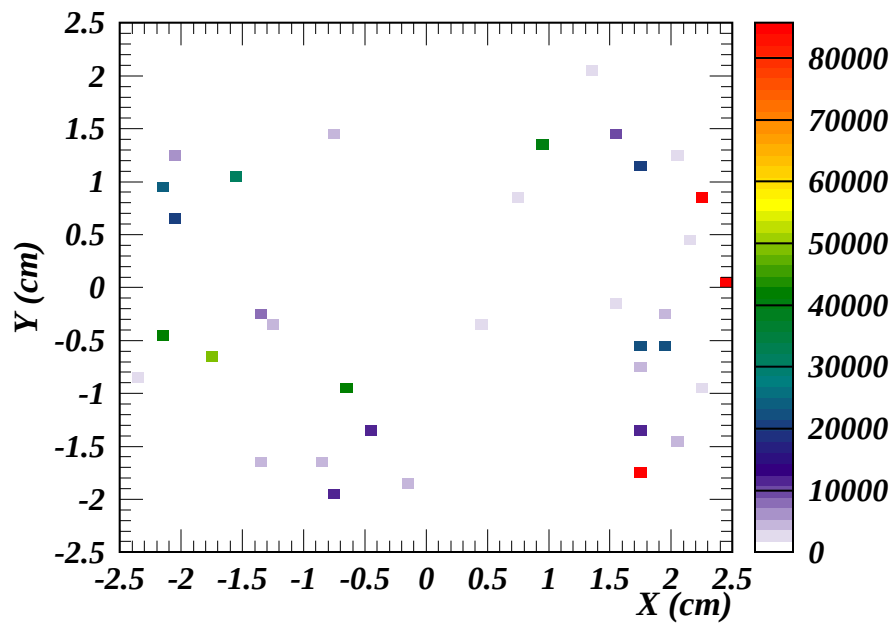
$E_{kin} > 10$ eV: 727 macroparticles, 7.92908e+06 e-

10/02/04 15.50

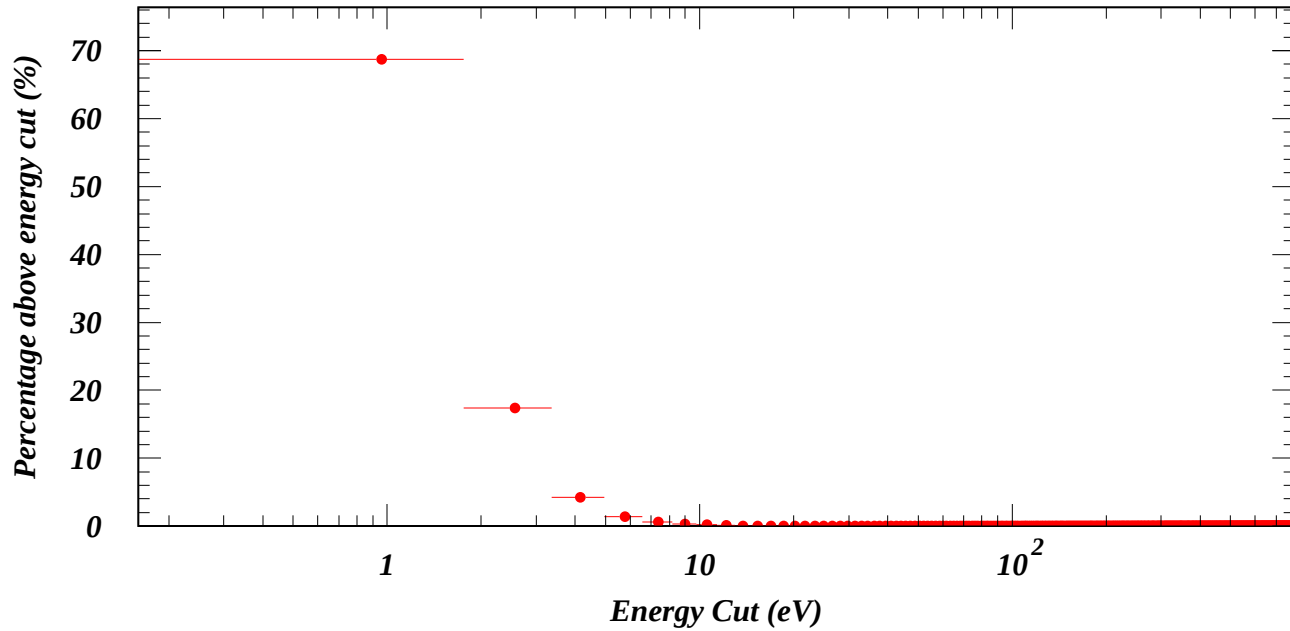
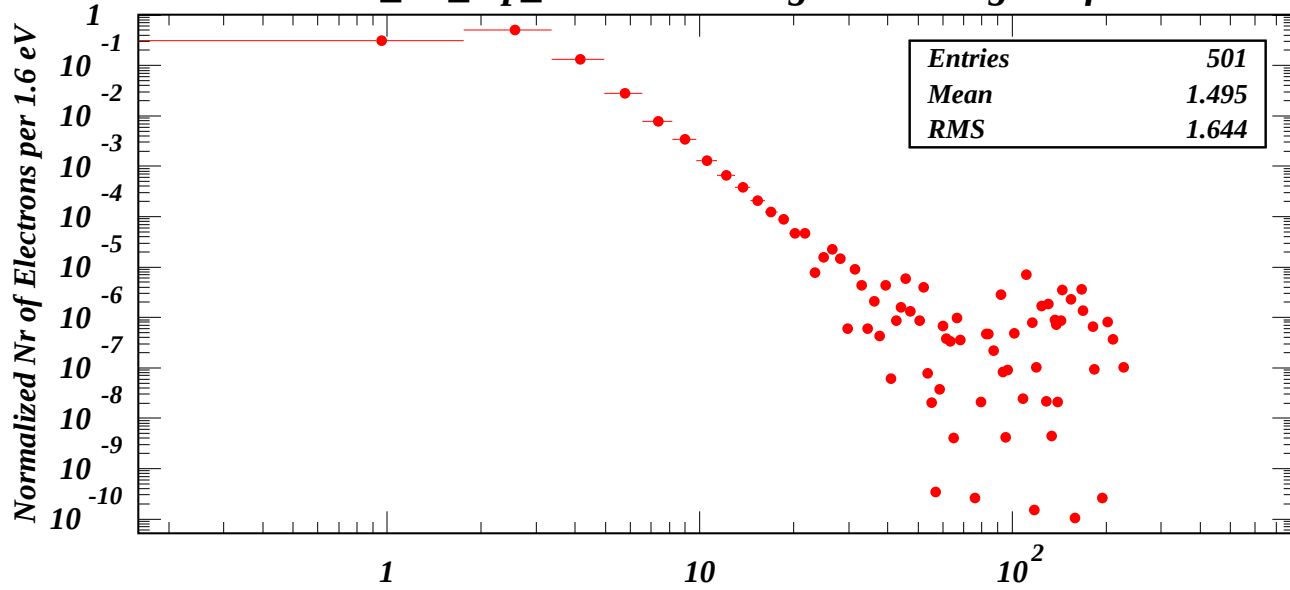
Cloud charge profile after bunch 241 at time = 1440 ns

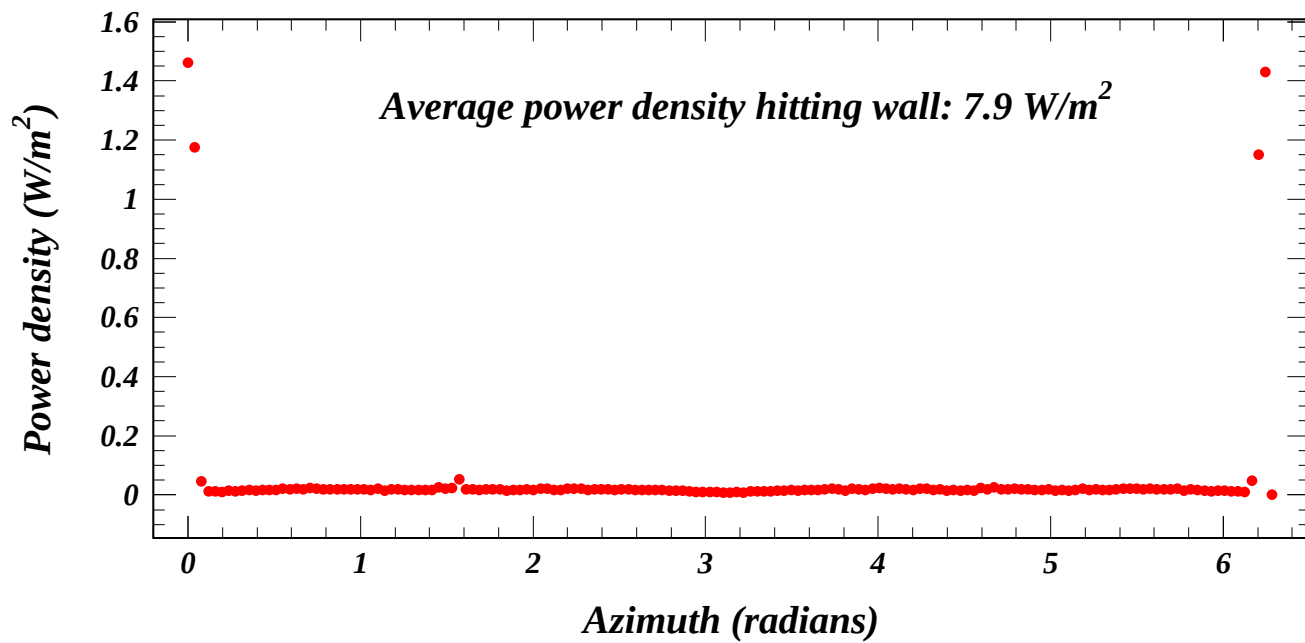
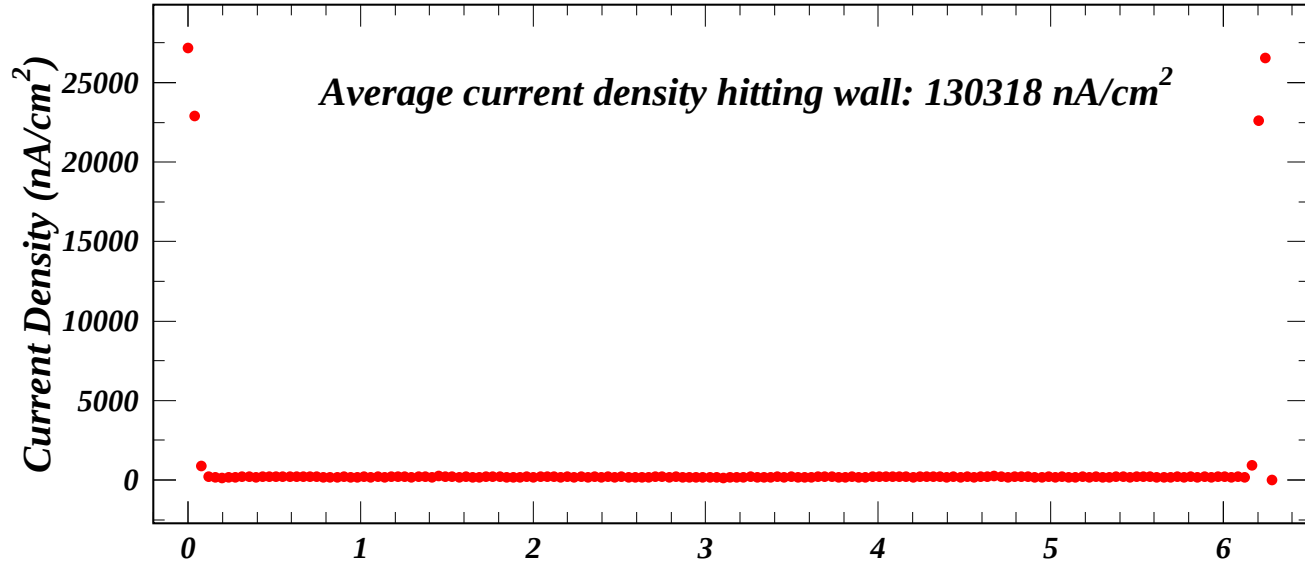


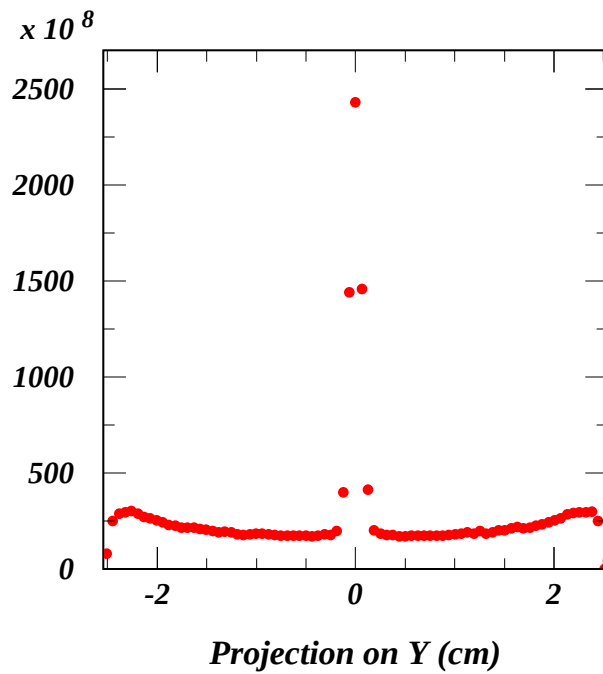
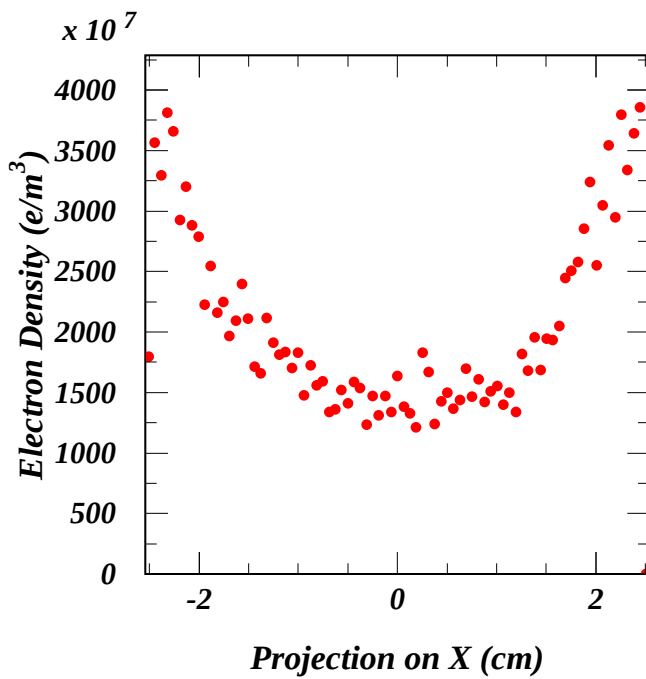
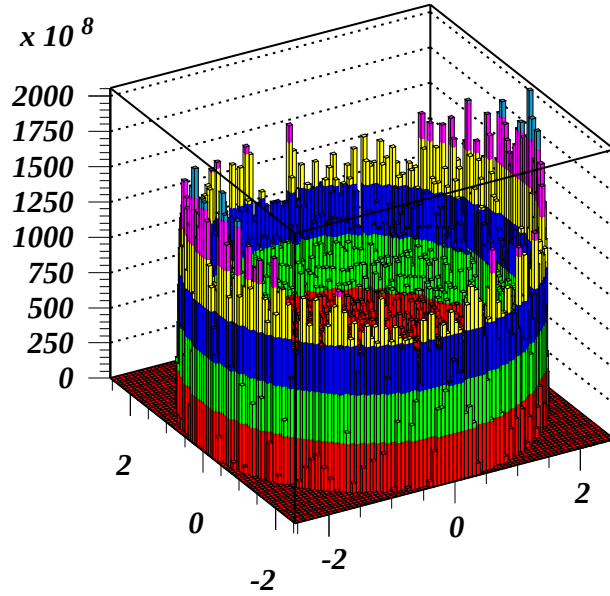
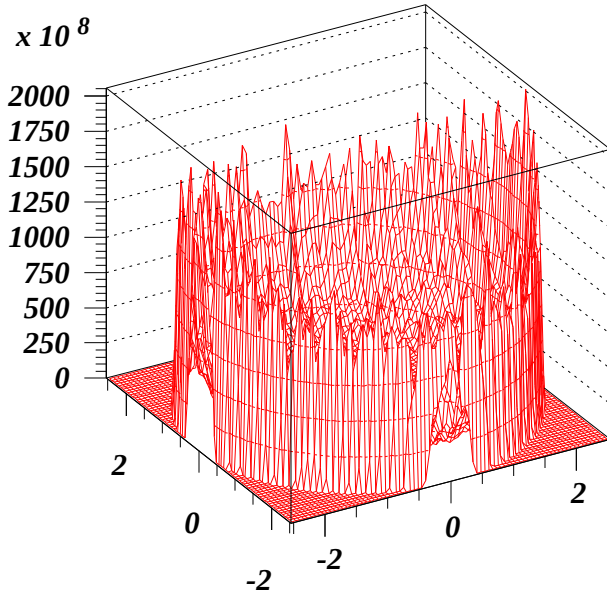
No energy cut: 1817 macroparticles, 2.5261 e-



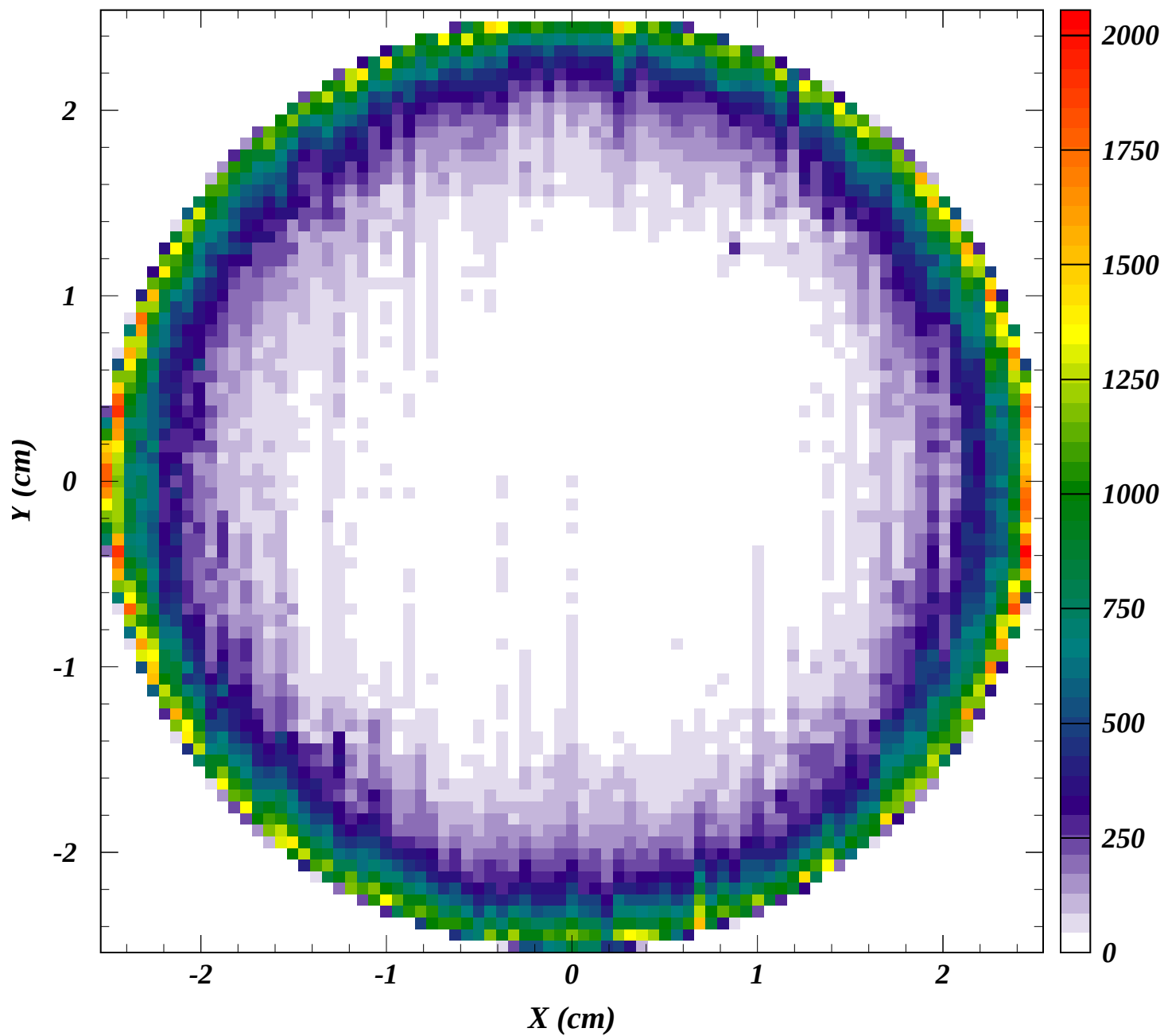
$E_{kin} > 10$ eV: 124 macroparticles, 2.5261 e-

ECLOUD-DR20100203_ele_dip_red: Time-Integrated Energies of Electrons Hitting Wall

ECLOUD-DR20100203_ele_dip_red: Time-Integrated Energies of Electrons Hitting Wall

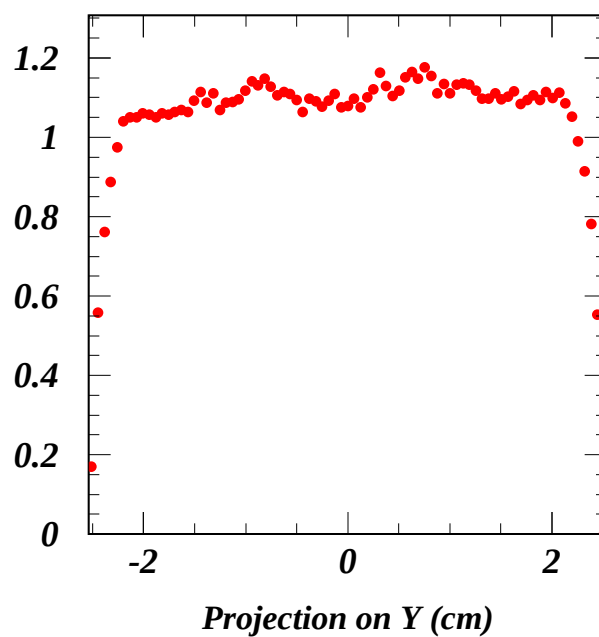
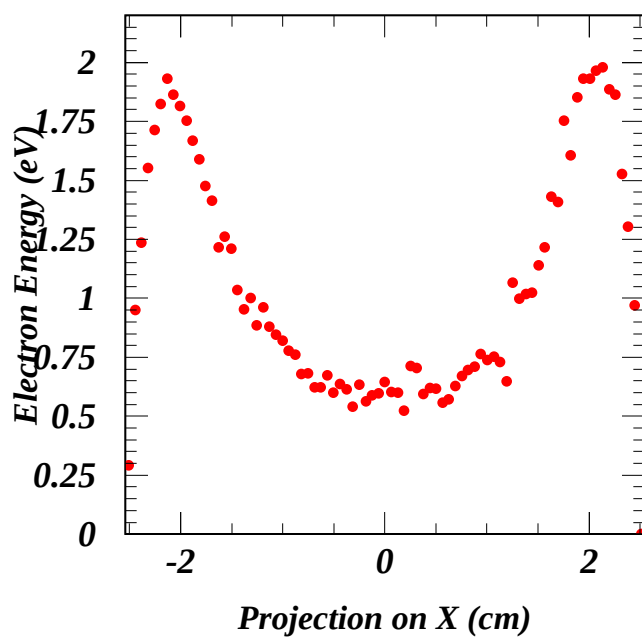
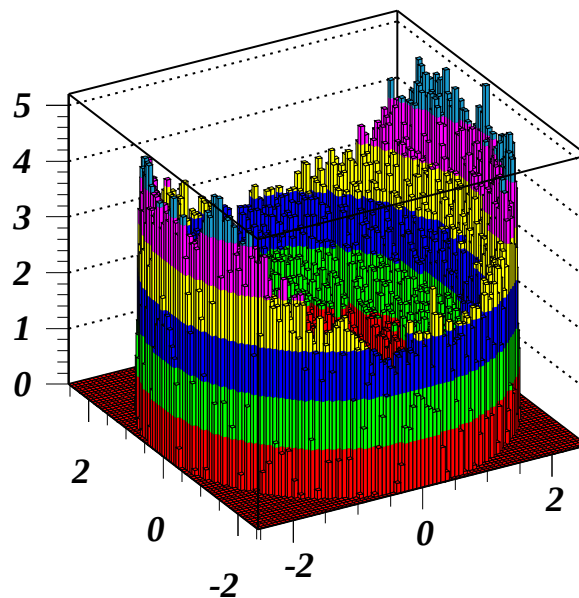
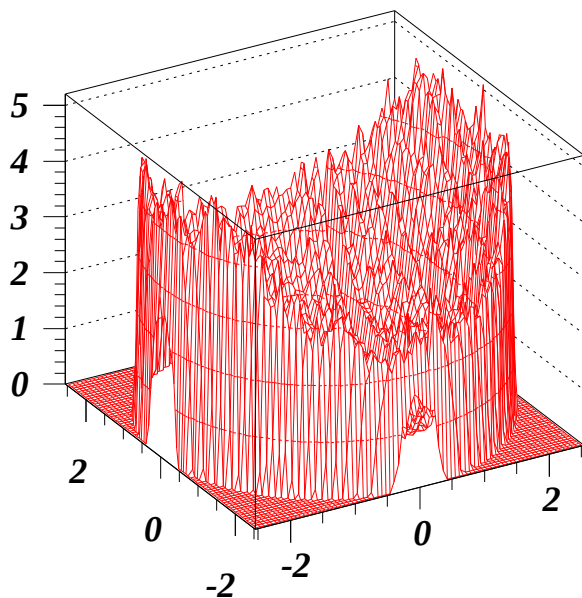
ECLOUD-DR20100203_ele_dip_red: Cloud Density (e/m^3) Averaged Over 1440 ns

10/02/04 15.50
ECLOUD-DR20100203_ele_dip_red: Cloud Density (e/m^3) Averaged Over 1440 ns $\times 10^8$



10/02/04 15.50

ECLOUD-DR20100203_ele_dip_red: Electron Energies (eV) Averaged Over 1440 ns



10/02/04 15.50
ECLOUD-DR20100203_ele_dip_red: Electron Energies (eV) Averaged Over 1440 ns

