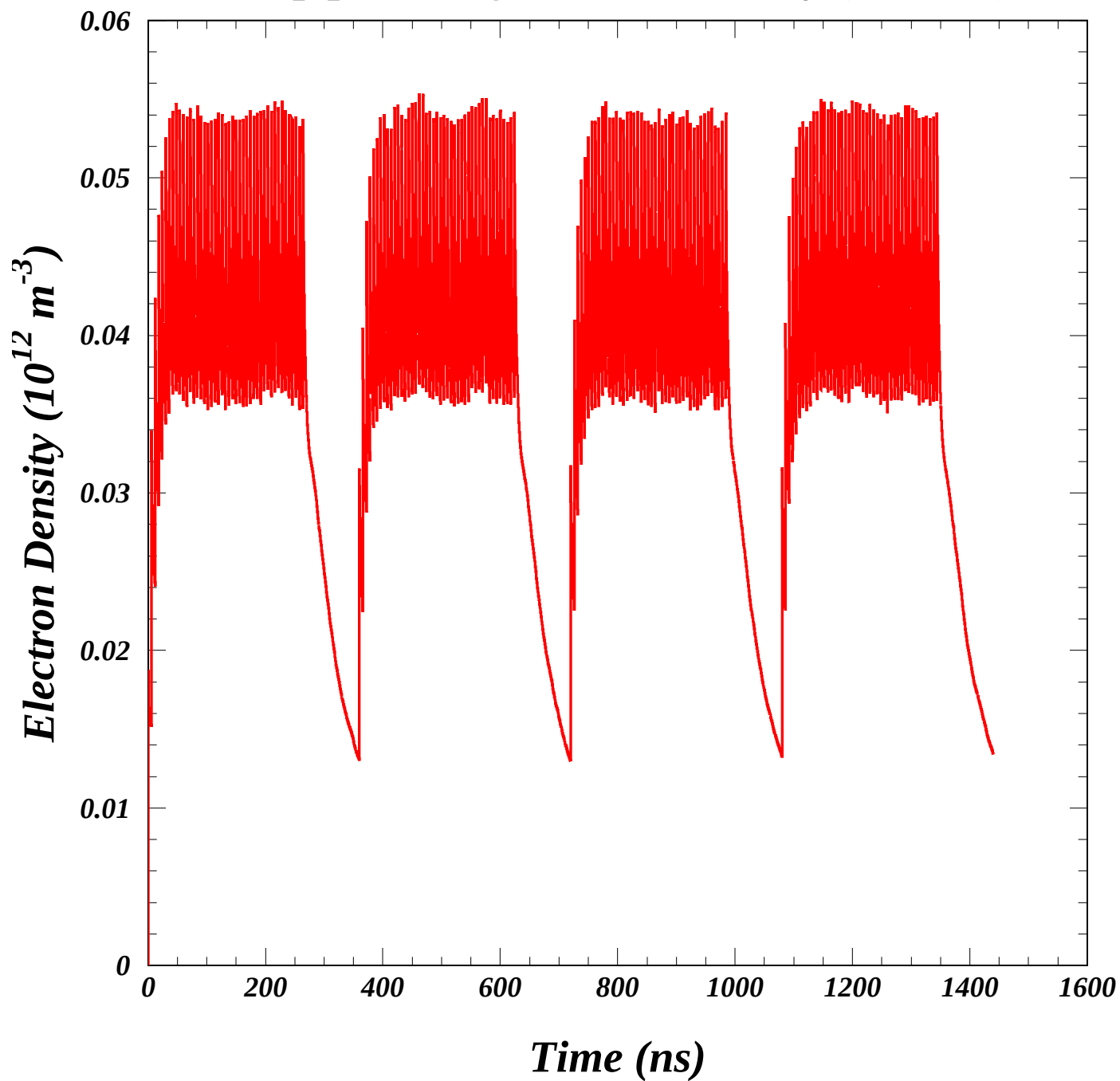
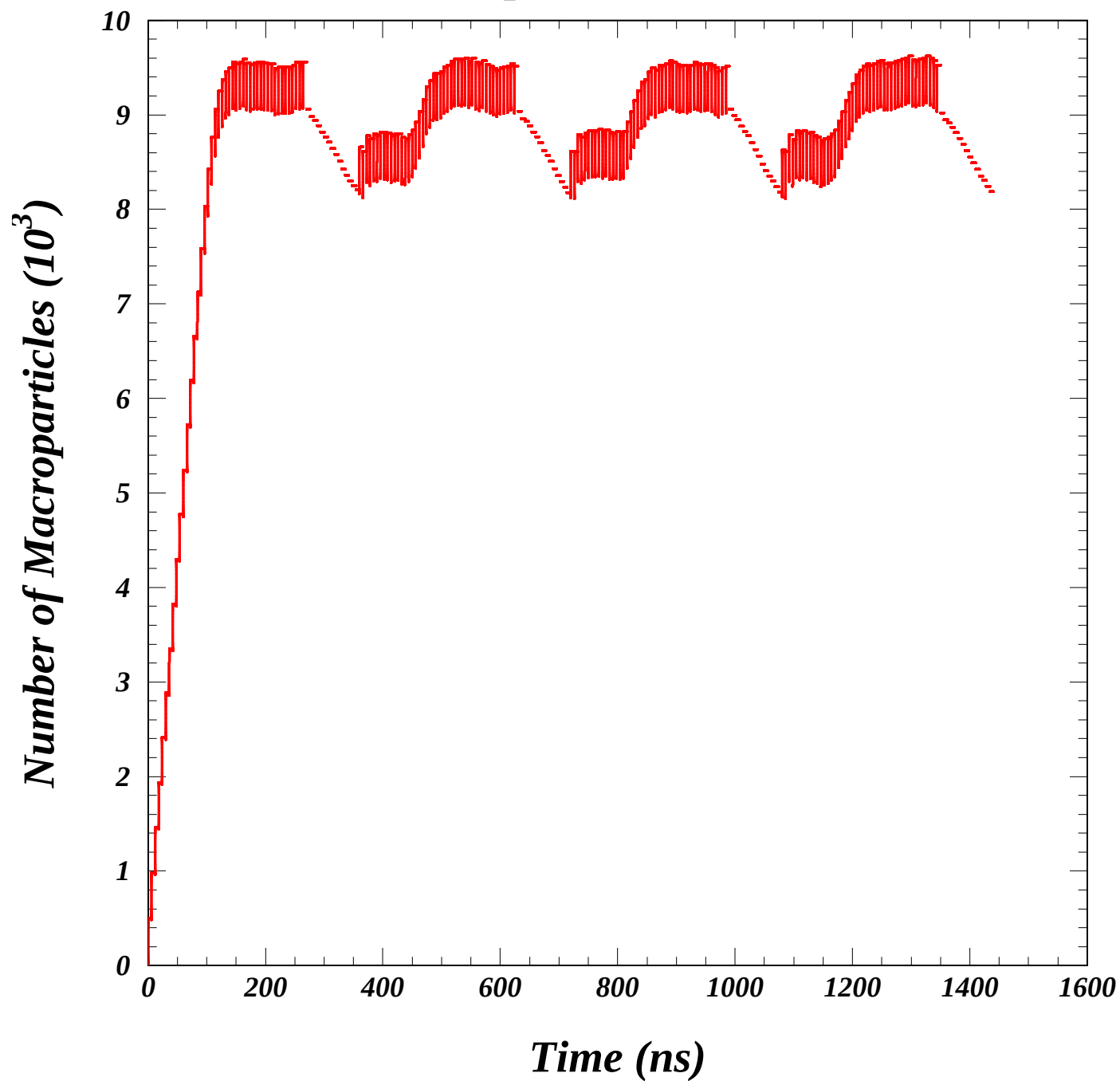
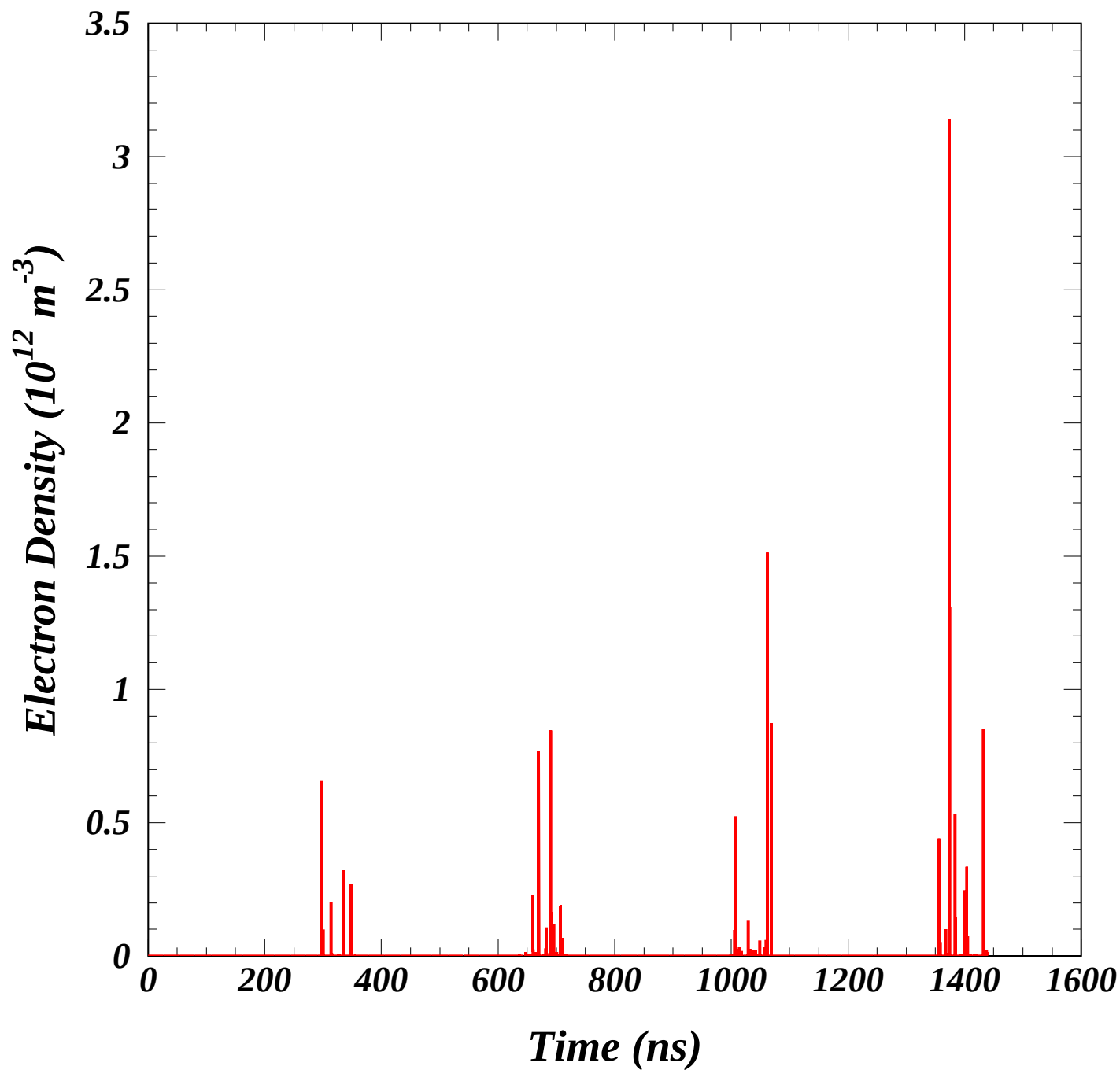


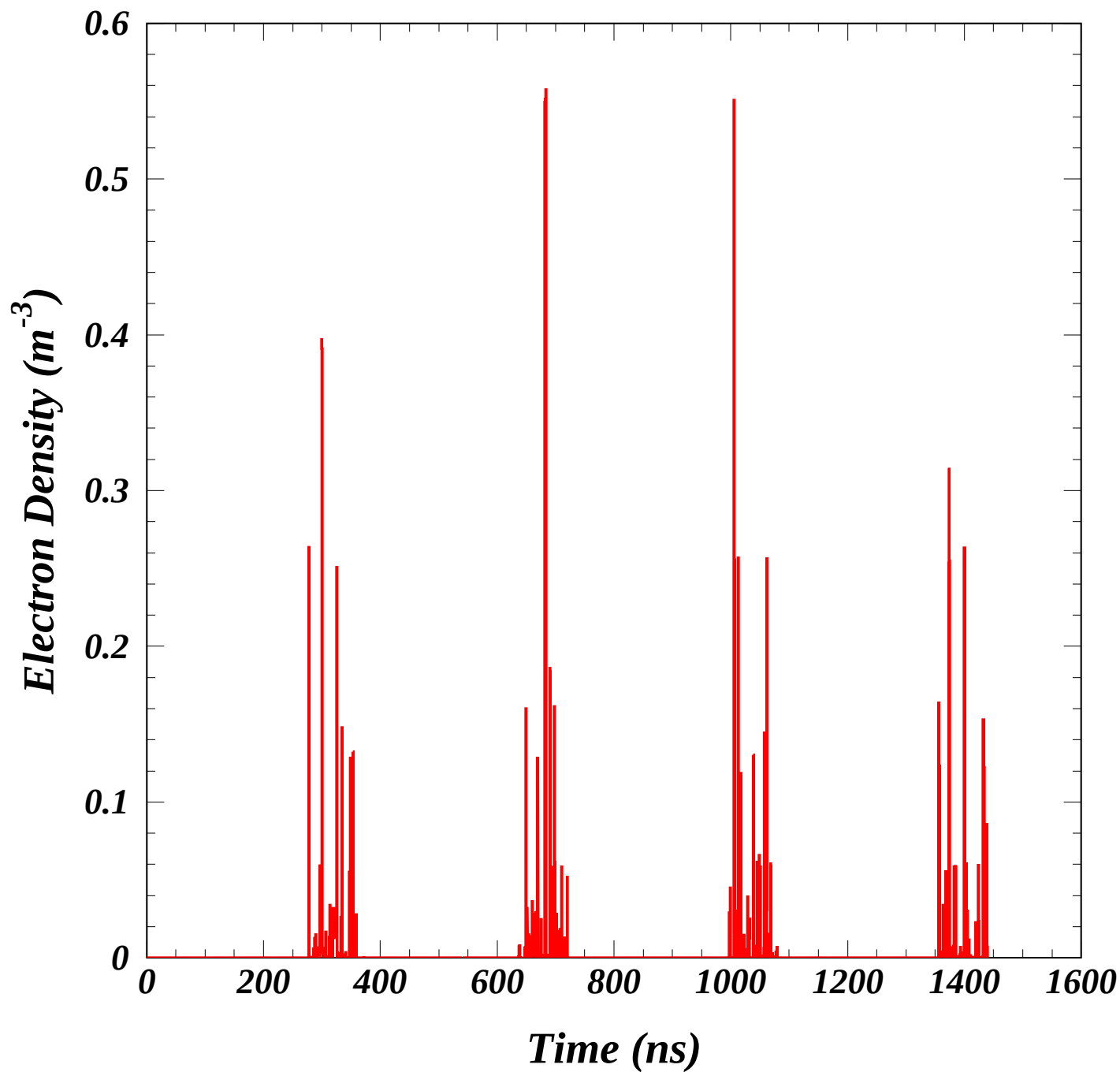
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/02/04 15.48



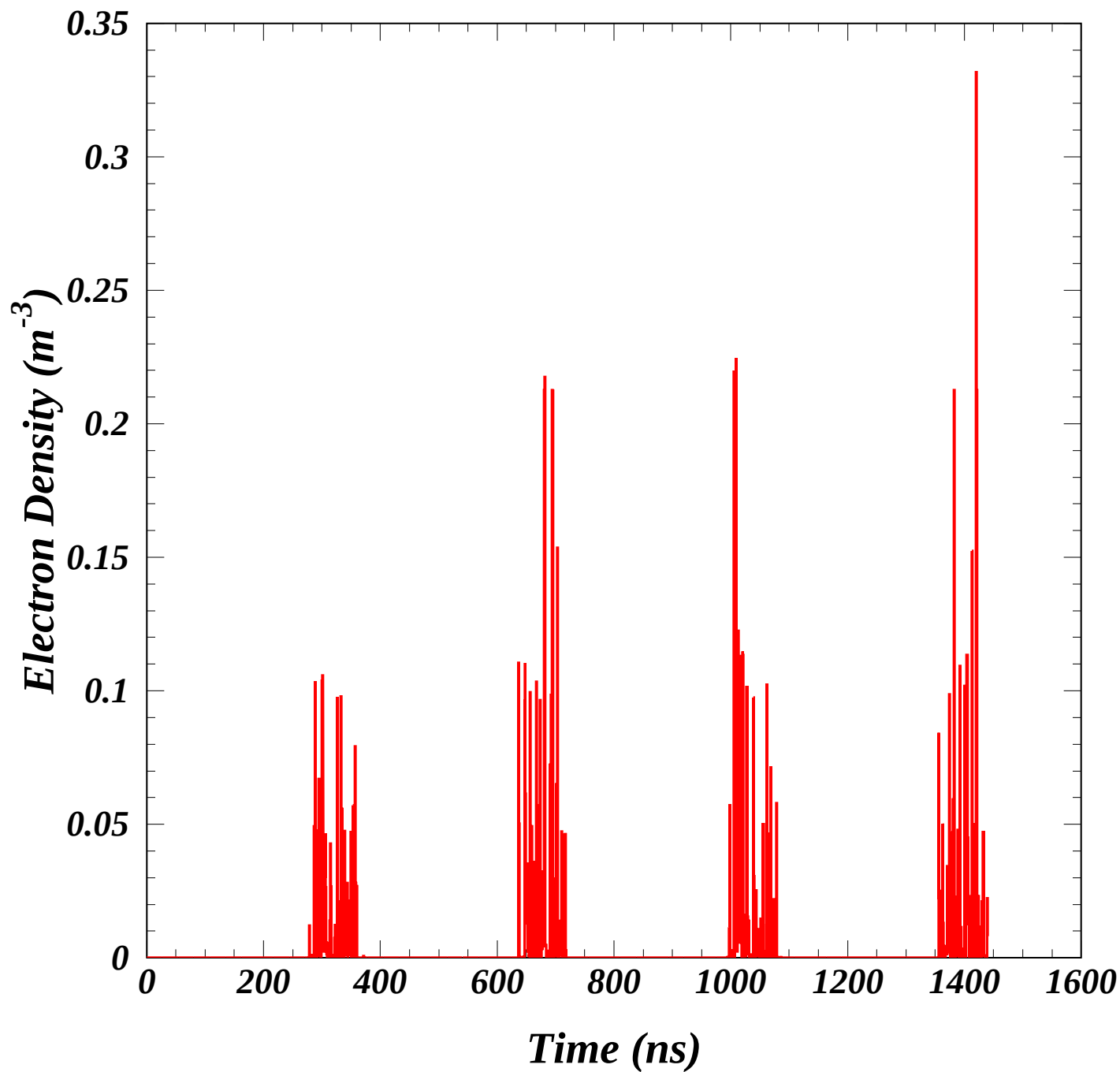
Macroparticle Statistics



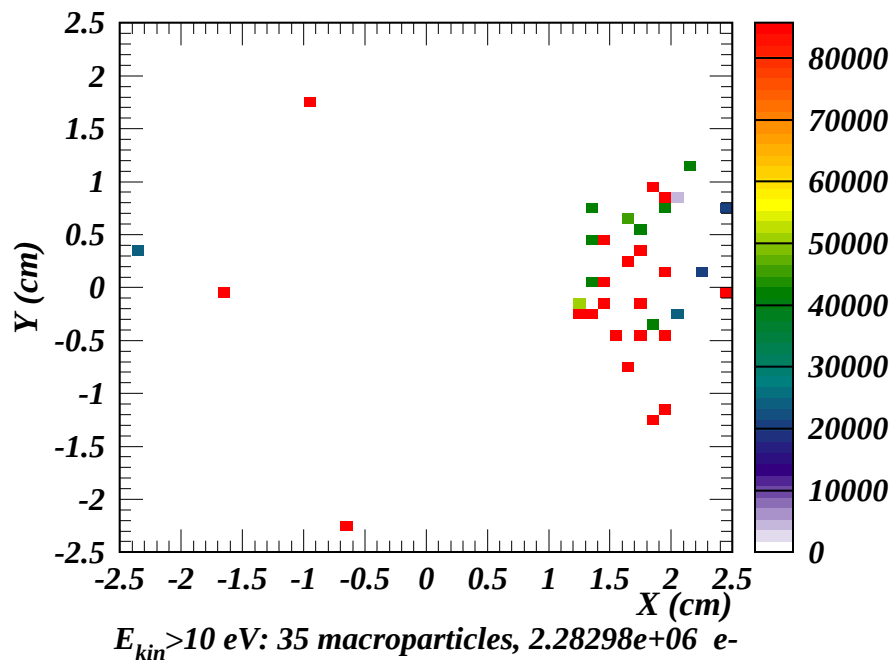
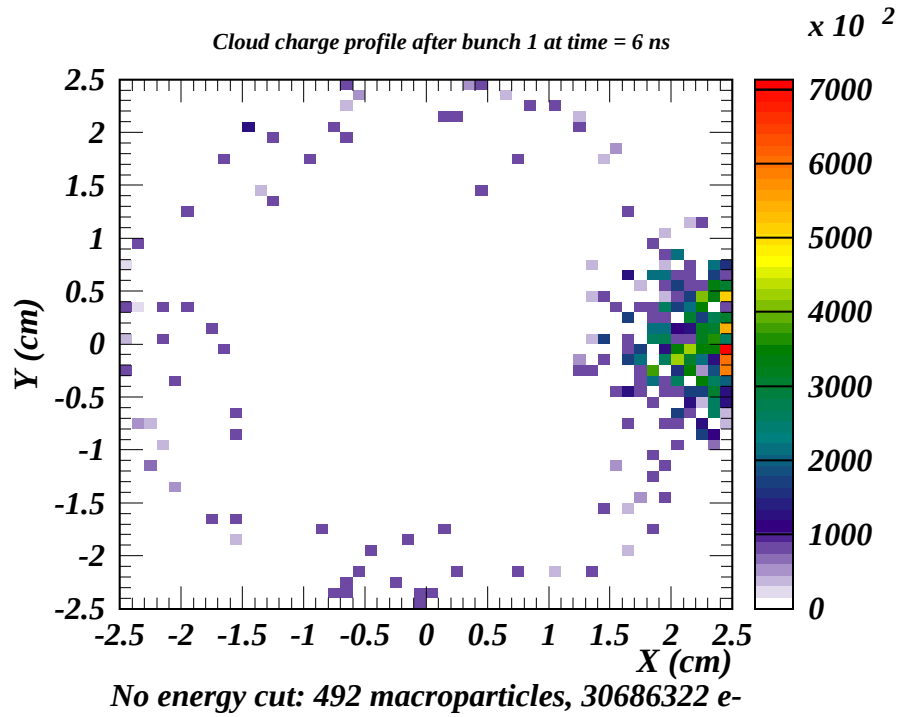
Beam-averaged Cloud Density (10^{12} m^{-3})

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

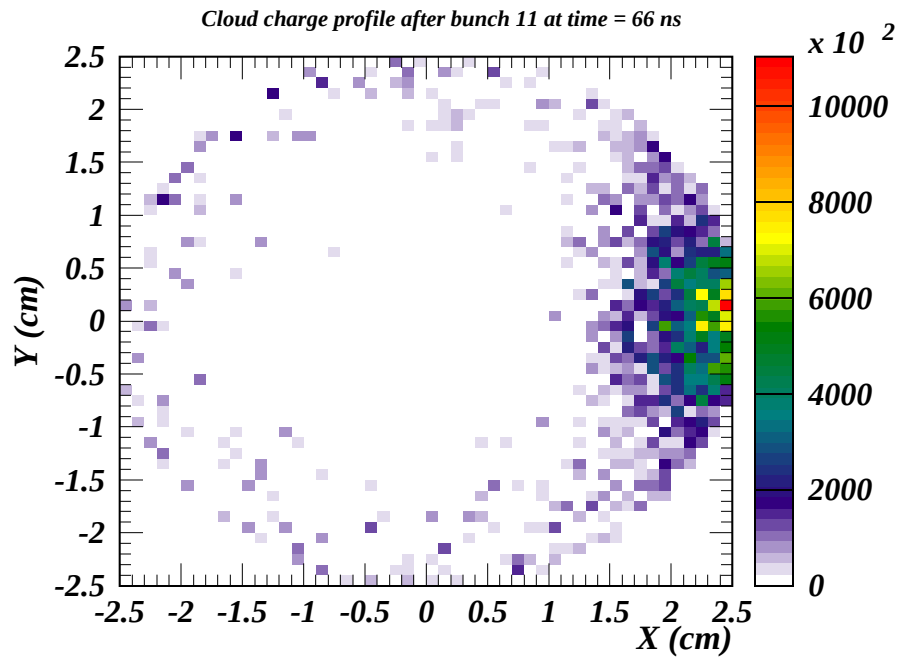
ECLOUD-DR20100203_ele_dri_red: Cloud Density in Central Grid Cell (10^{12} m^{-3})



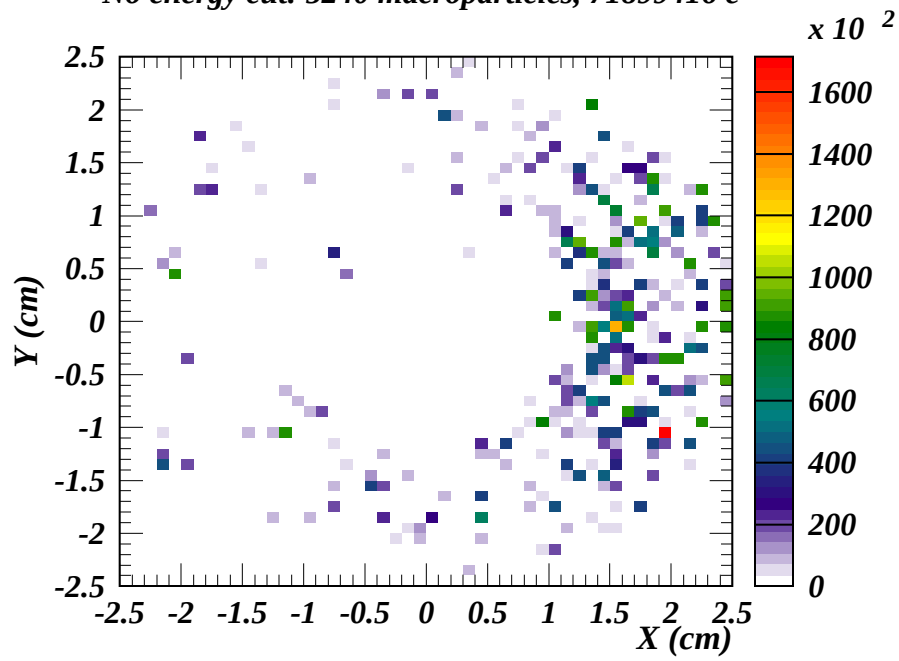
10/02/04 15.48



10/02/04 15.48

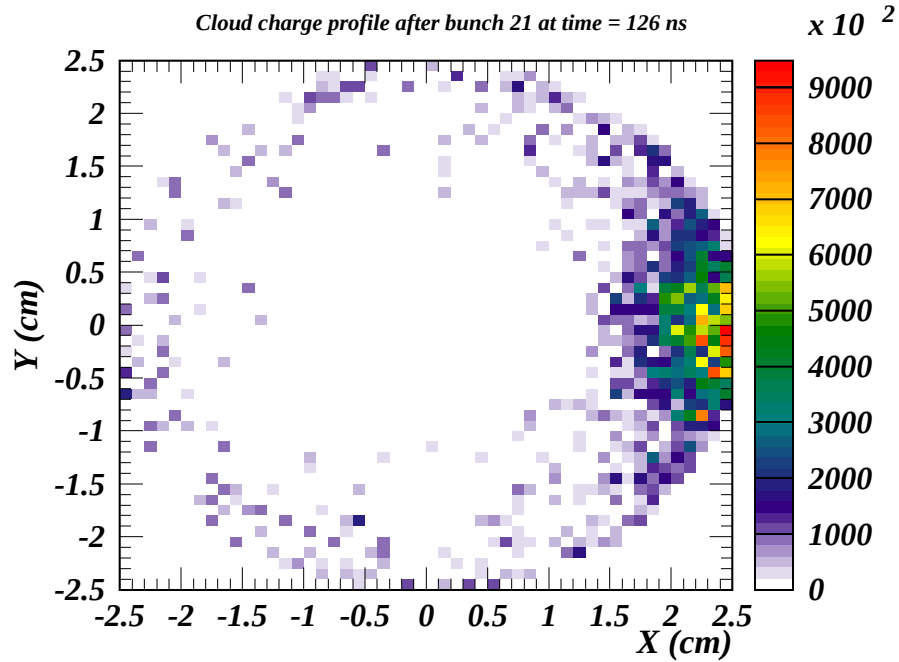


No energy cut: 5240 macroparticles, 71899416 e-

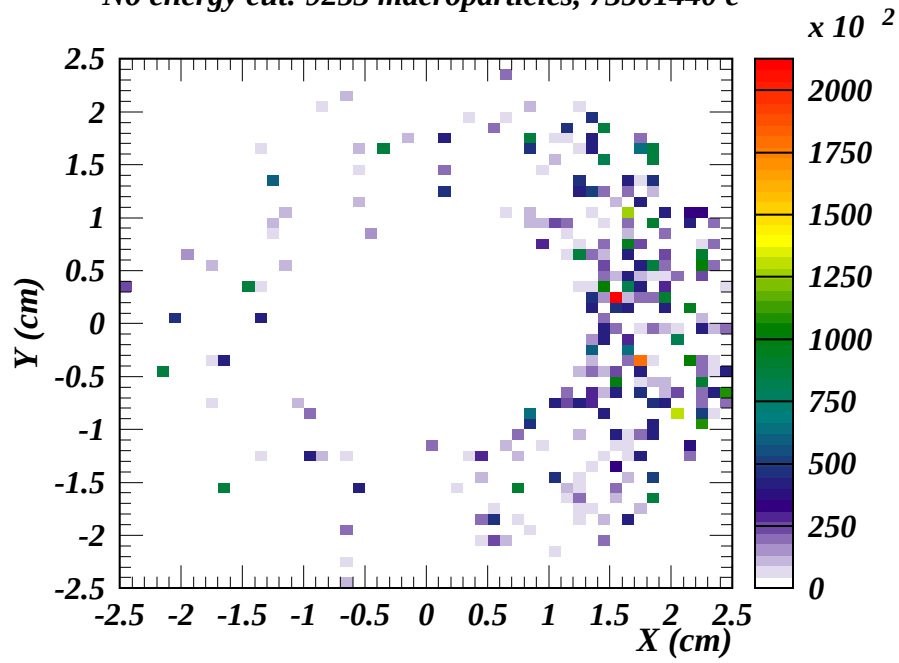


$E_{kin} > 10 \text{ eV}$: 613 macroparticles, 8089369 e-

10/02/04 15.48

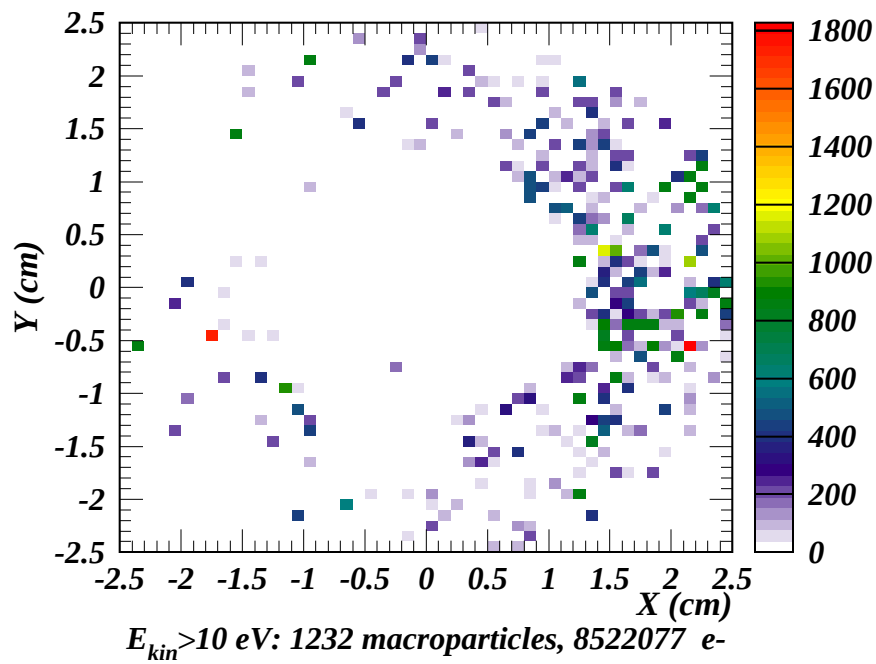
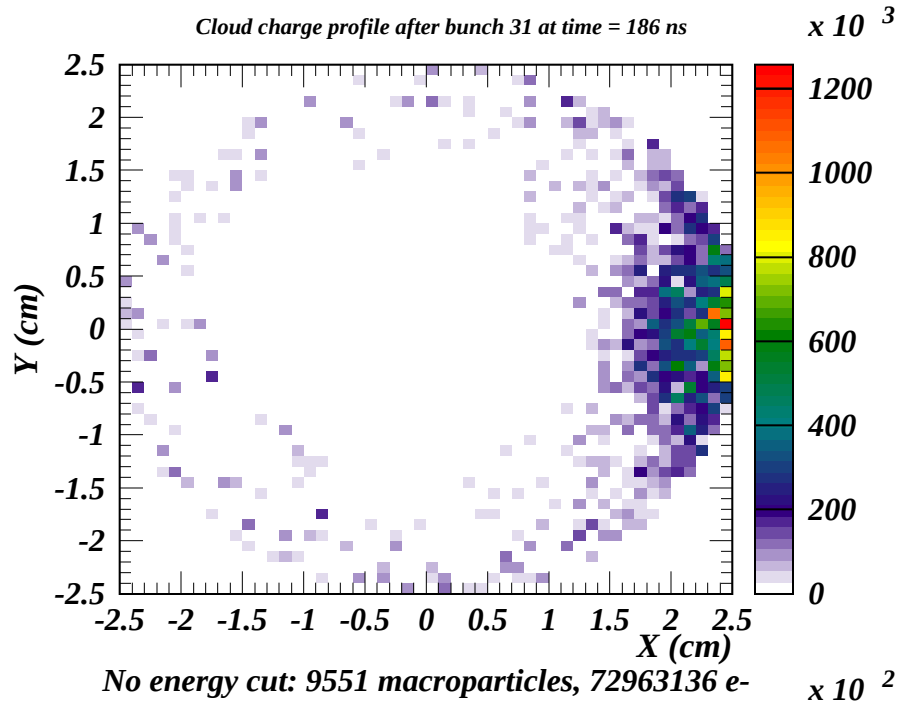


No energy cut: 9253 macroparticles, 73501440 e-



$E_{kin} > 10$ eV: 1139 macroparticles, 8173957 e-

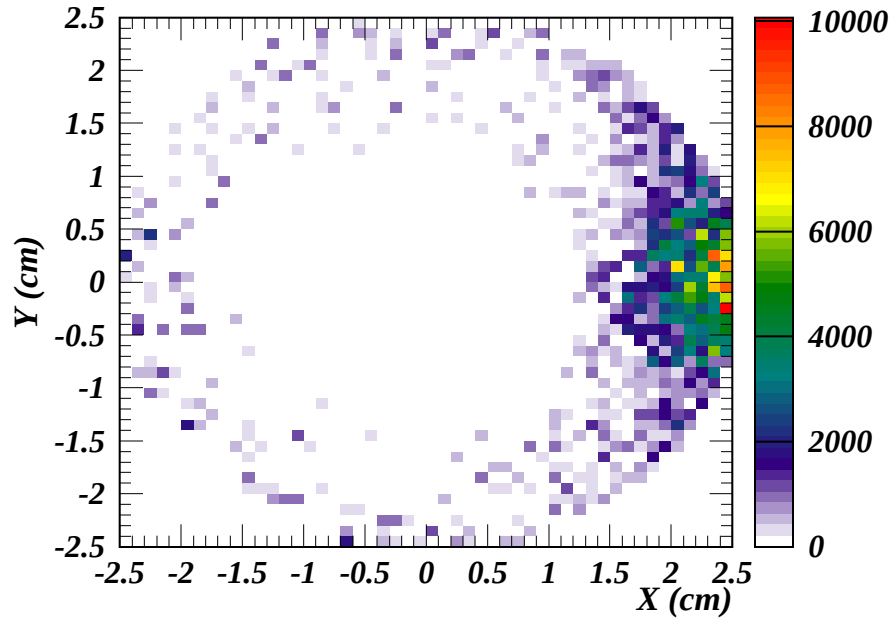
10/02/04 15.48



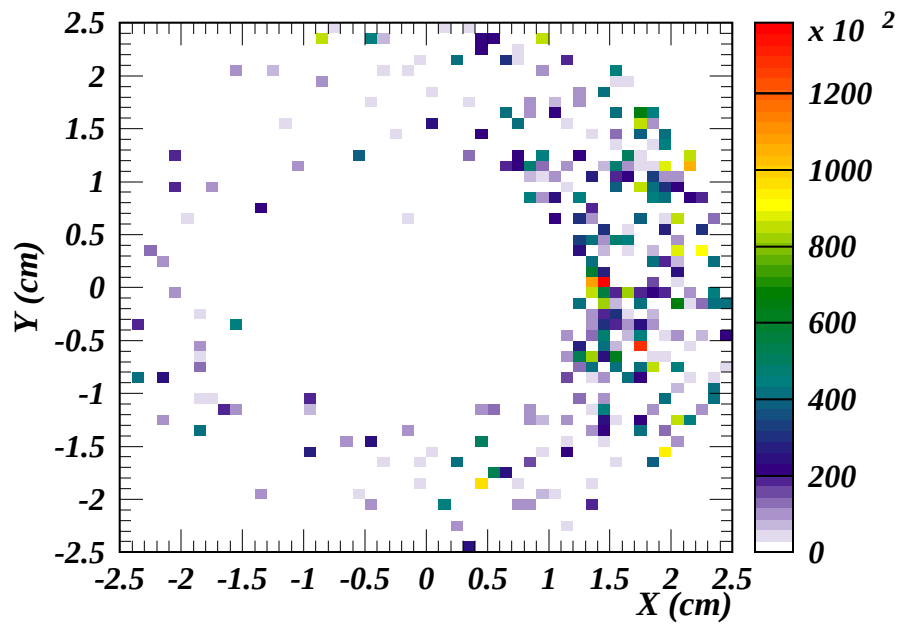
10/02/04 15.48

$\times 10^{-2}$

Cloud charge profile after bunch 41 at time = 246 ns

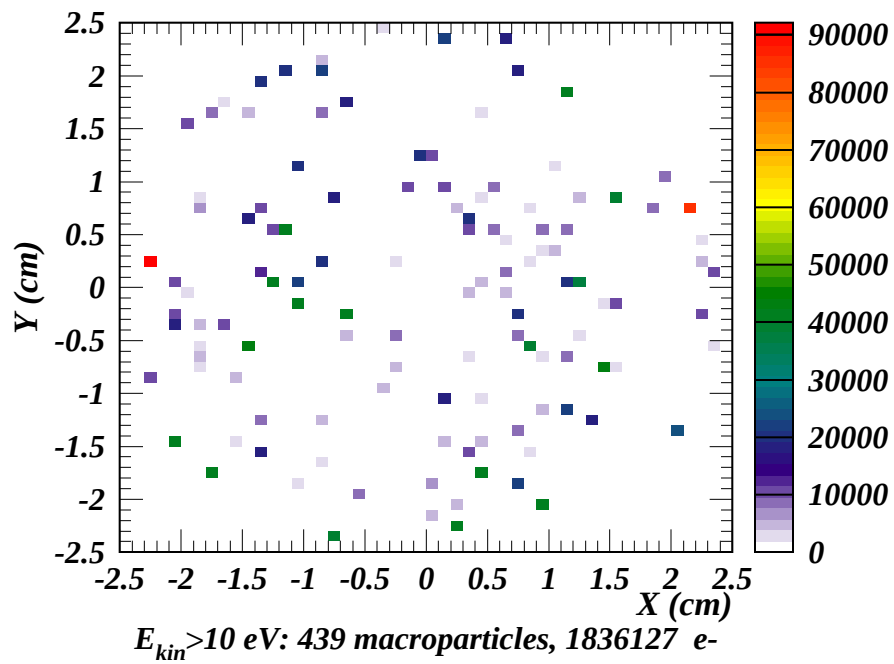
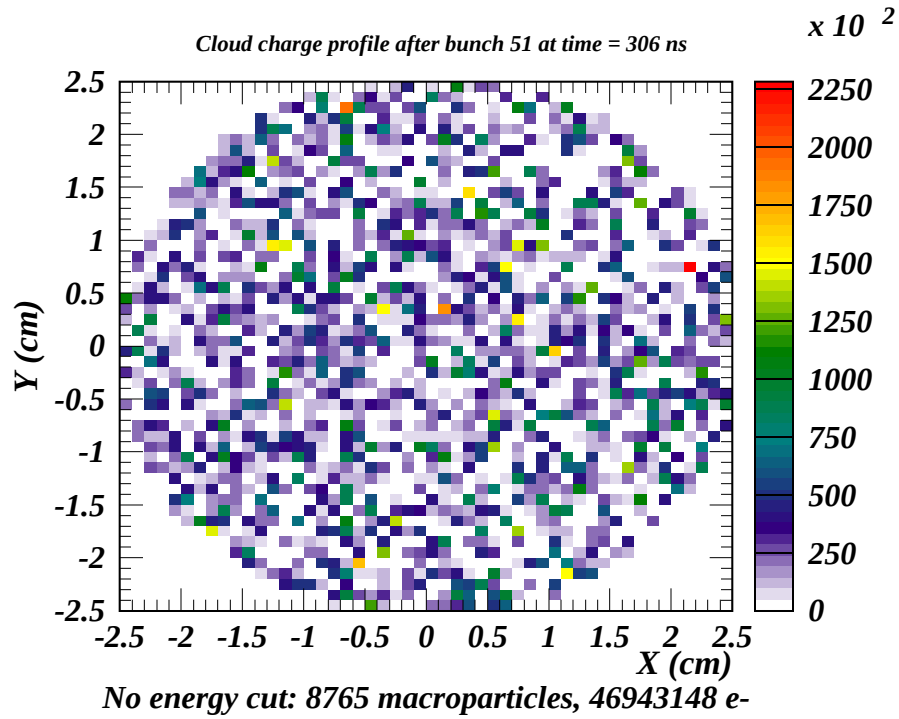


No energy cut: 9507 macroparticles, 72014032 e-

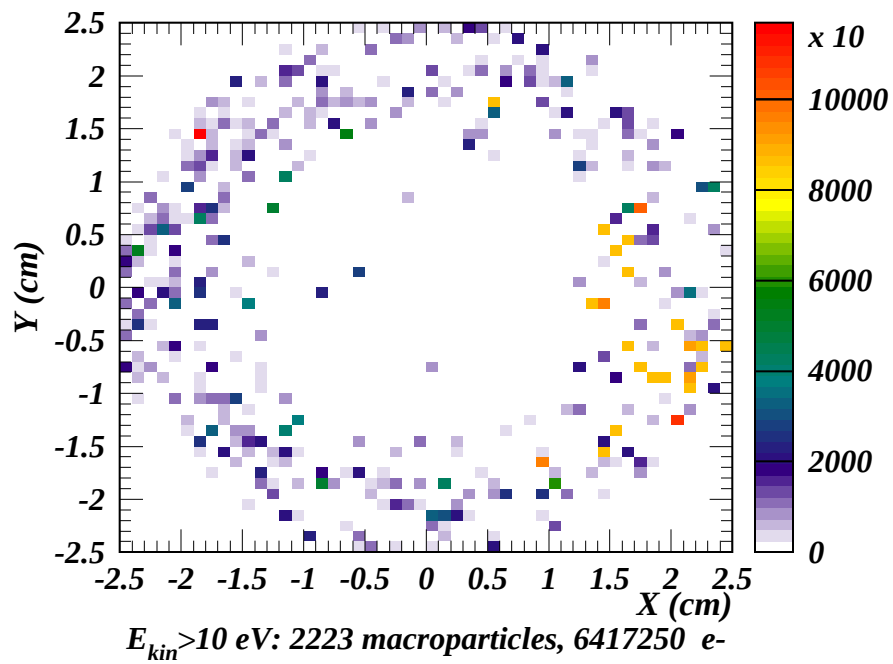
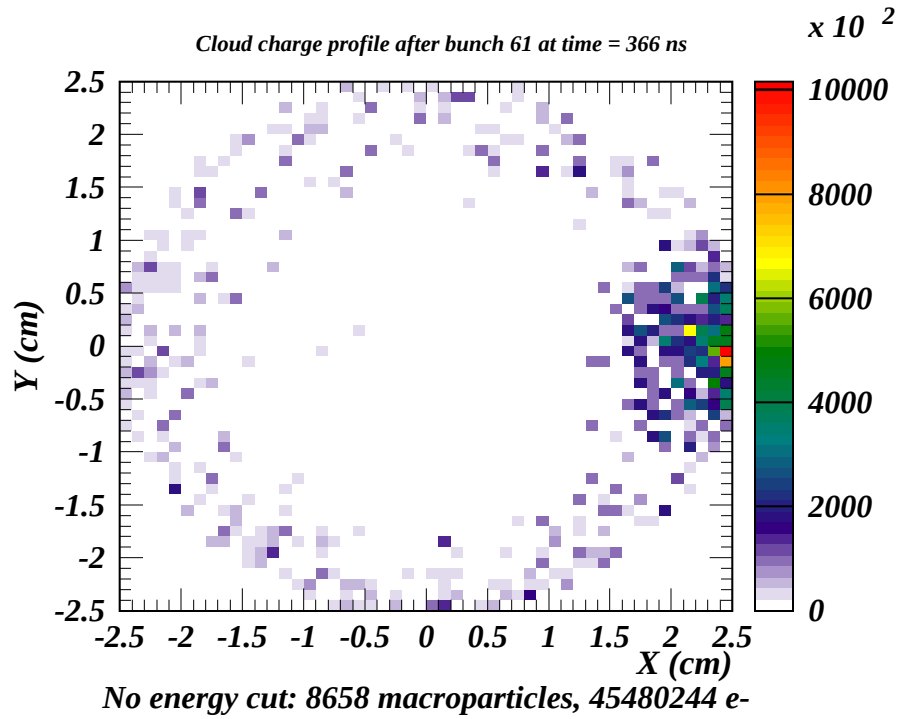


$E_{kin} > 10$ eV: 1241 macroparticles, 7.48183e+06 e-

10/02/04 15.48

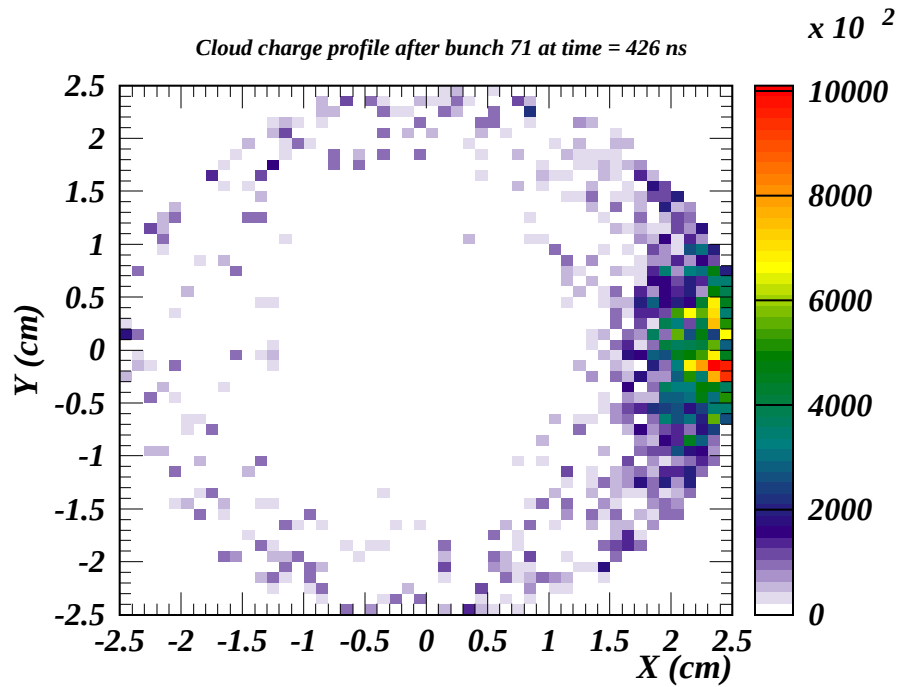


10/02/04 15.48

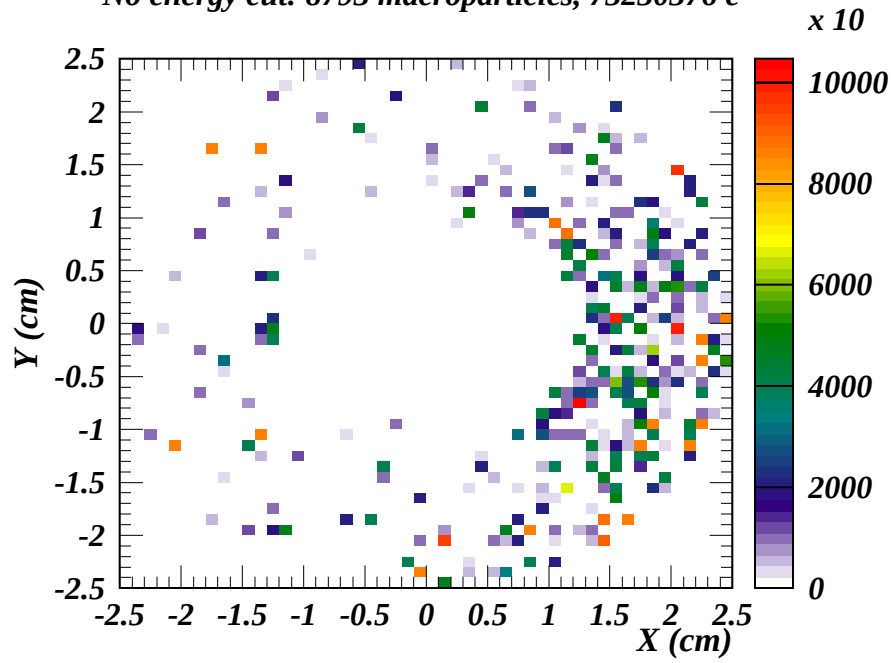


10/02/04 15.48

Cloud charge profile after bunch 71 at time = 426 ns



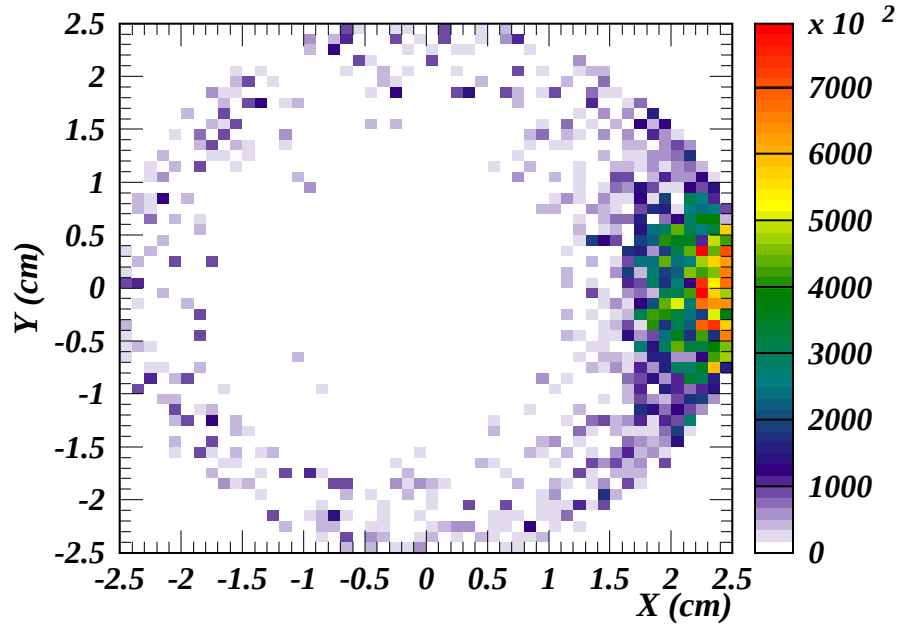
No energy cut: 8793 macroparticles, 73230376 e-



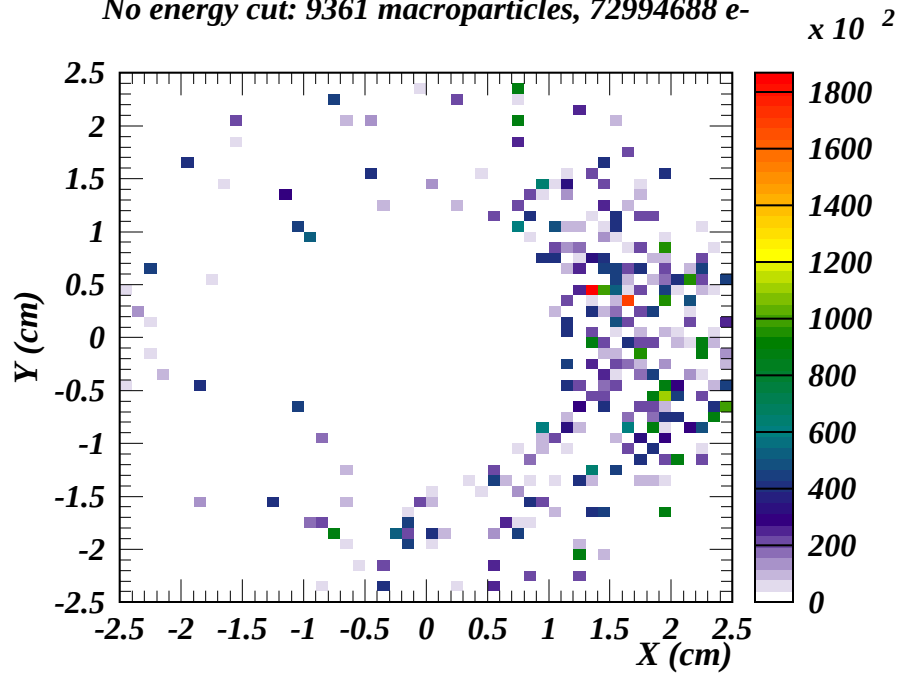
$E_{kin} > 10$ eV: 1107 macroparticles, 7702970 e-

10/02/04 15.48

Cloud charge profile after bunch 81 at time = 486 ns

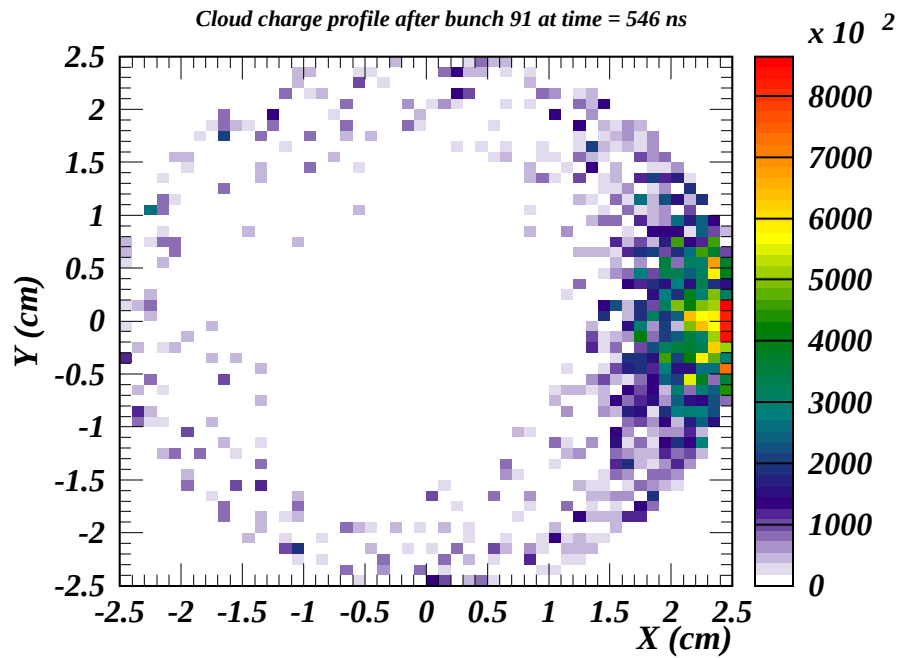


No energy cut: 9361 macroparticles, 72994688 e-

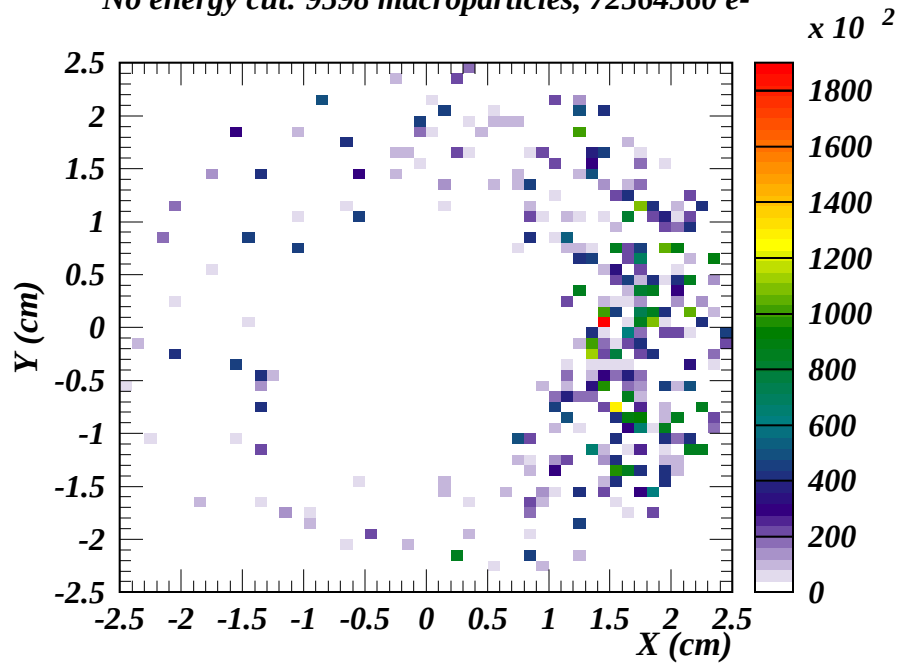


$E_{kin} > 10$ eV: 1134 macroparticles, 7754563 e-

10/02/04 15.48

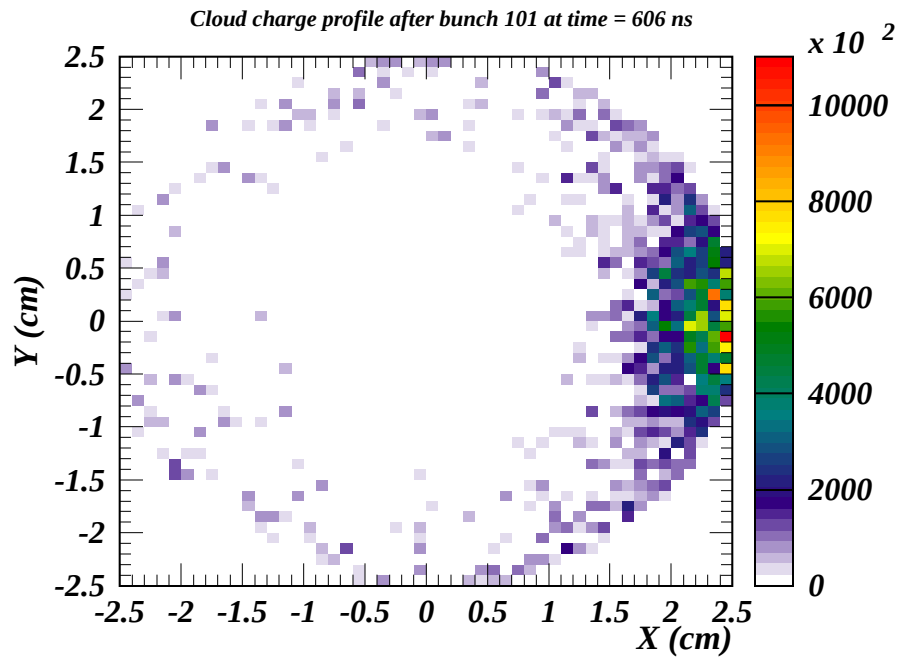


No energy cut: 9598 macroparticles, 72564560 e-

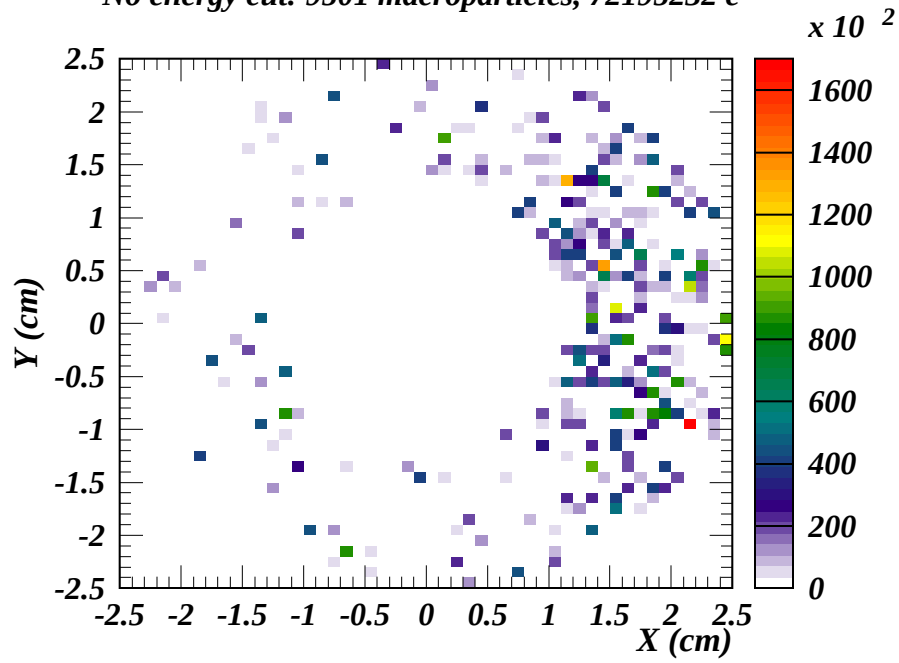


$E_{kin} > 10$ eV: 1230 macroparticles, 8734164 e-

10/02/04 15.48

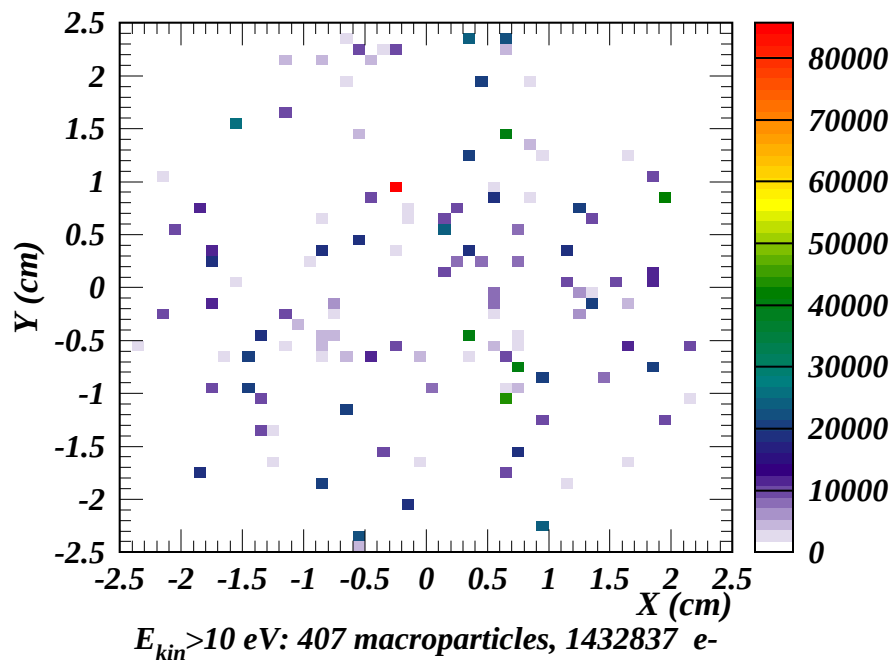
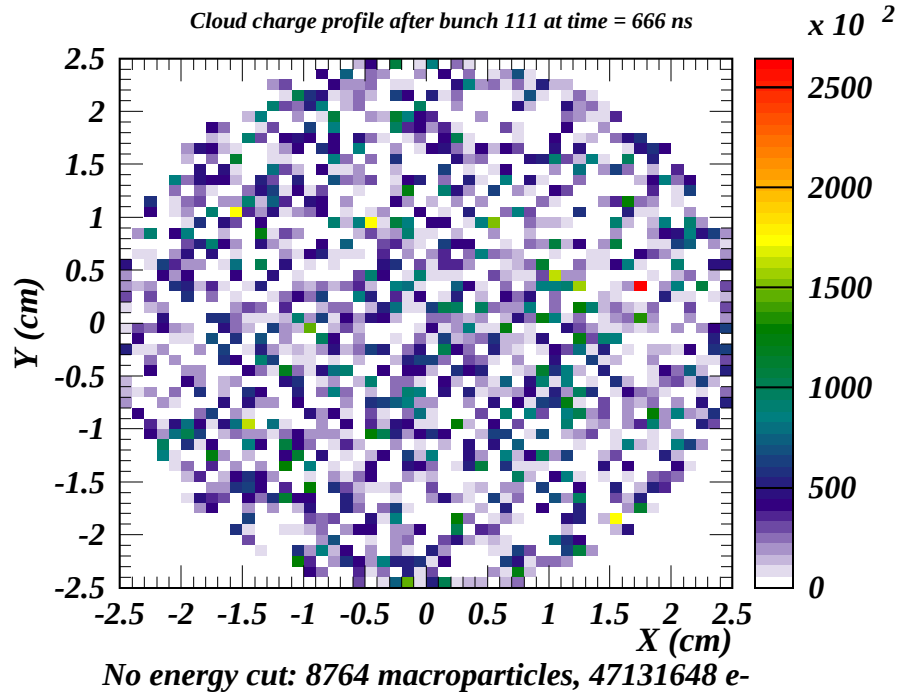


No energy cut: 9501 macroparticles, 72195232 e-

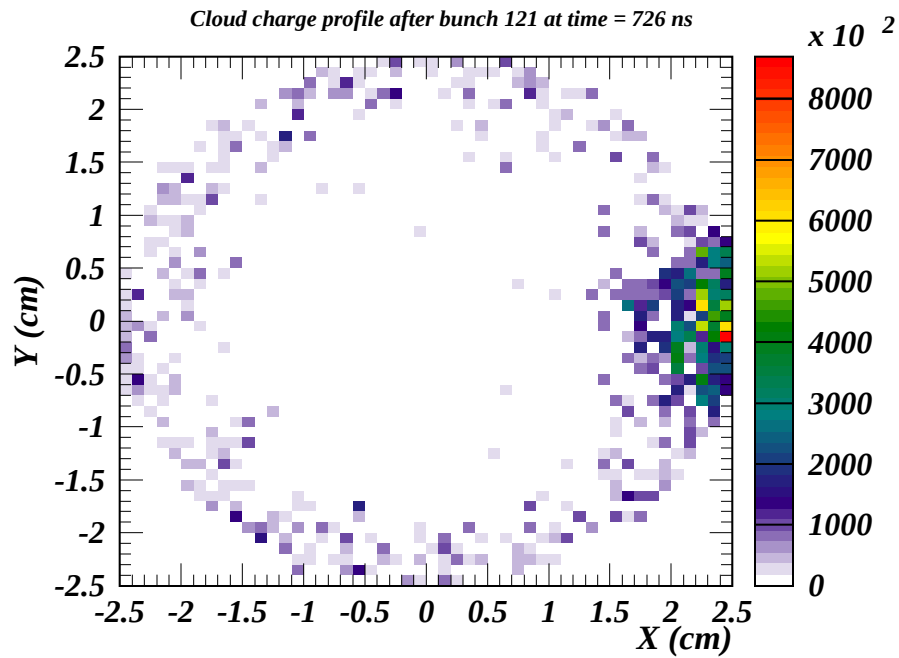


$E_{kin} > 10 \text{ eV}$: 1193 macroparticles, 7297163 e-

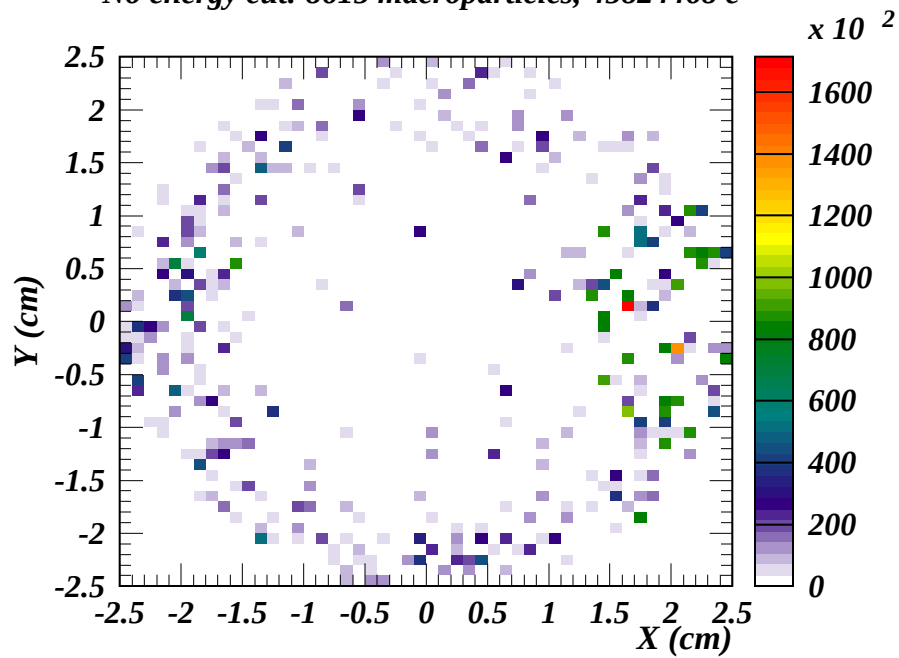
10/02/04 15.48



10/02/04 15.48



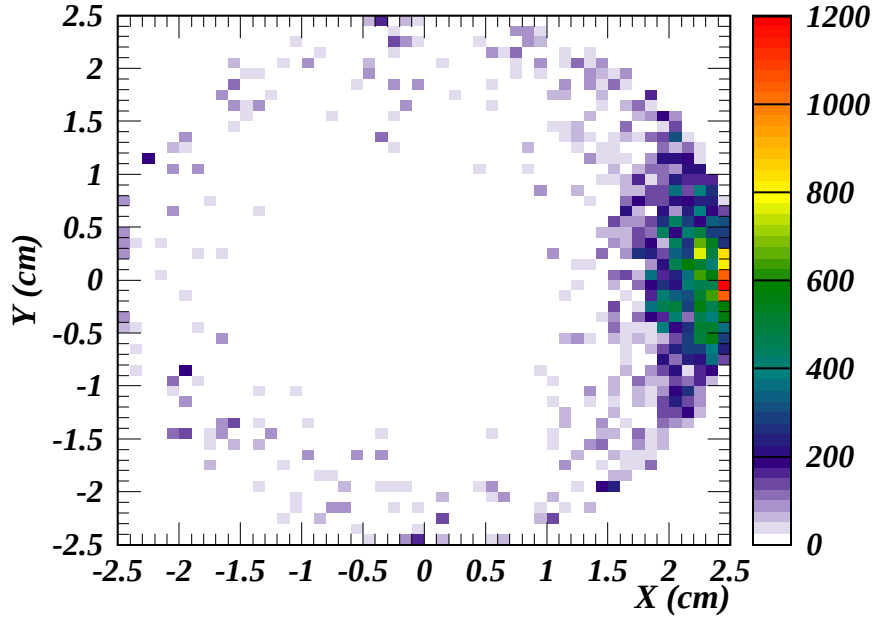
No energy cut: 8615 macroparticles, 45824468 e-



$E_{kin} > 10$ eV: 2250 macroparticles, 7.18029e+06 e-

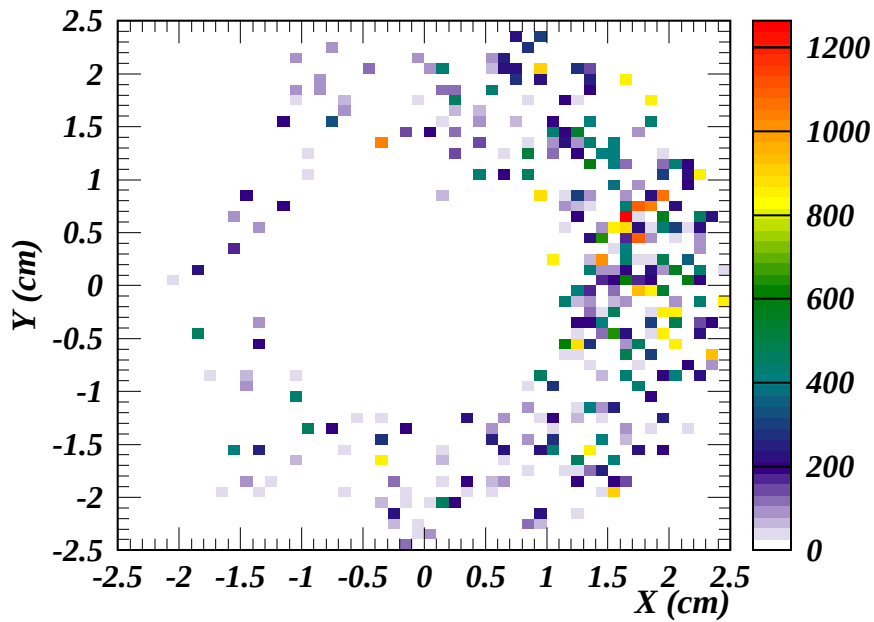
10/02/04 15.48
 $\times 10^3$

Cloud charge profile after bunch 131 at time = 786 ns



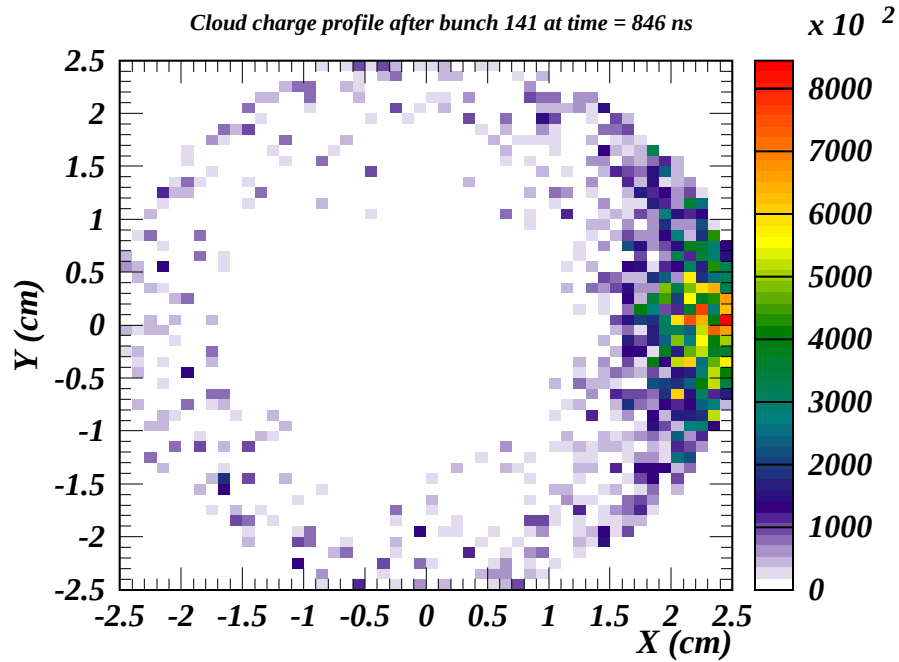
No energy cut: 8842 macroparticles, 73231992 e-

$\times 10^2$

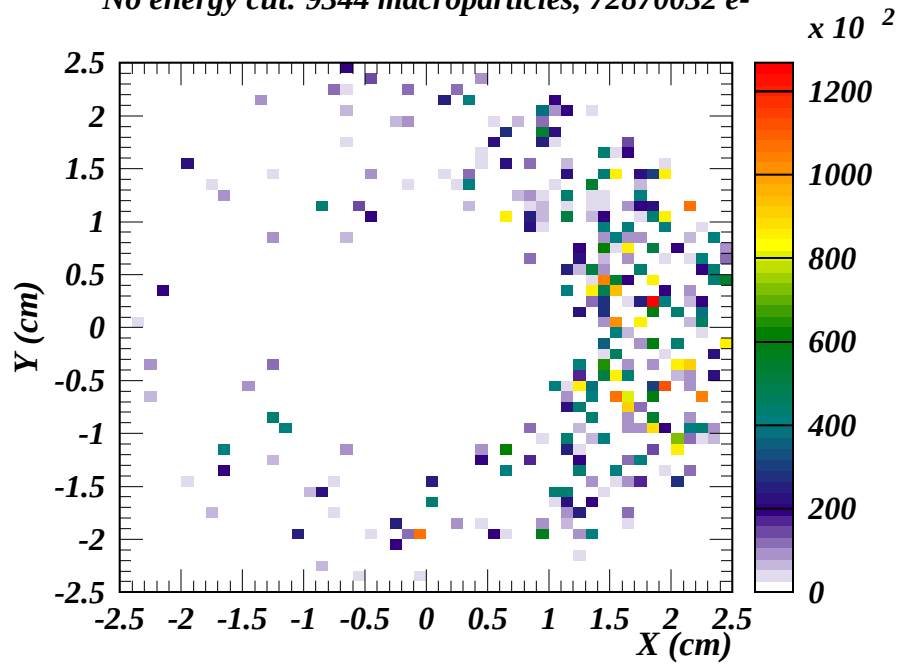


$E_{kin} > 10$ eV: 1207 macroparticles, 8244370 e-

10/02/04 15.48

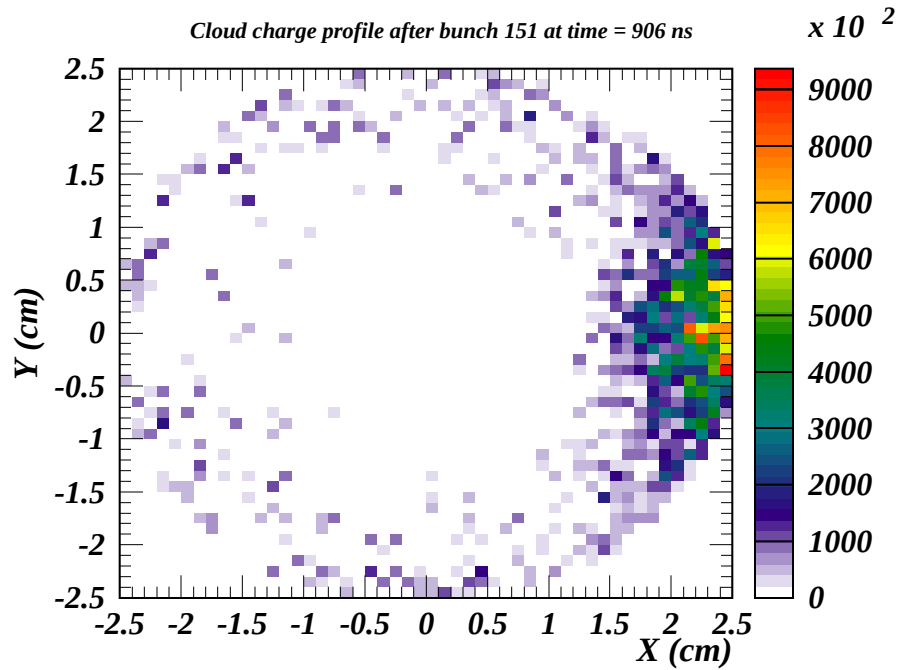


No energy cut: 9344 macroparticles, 72870032 e-

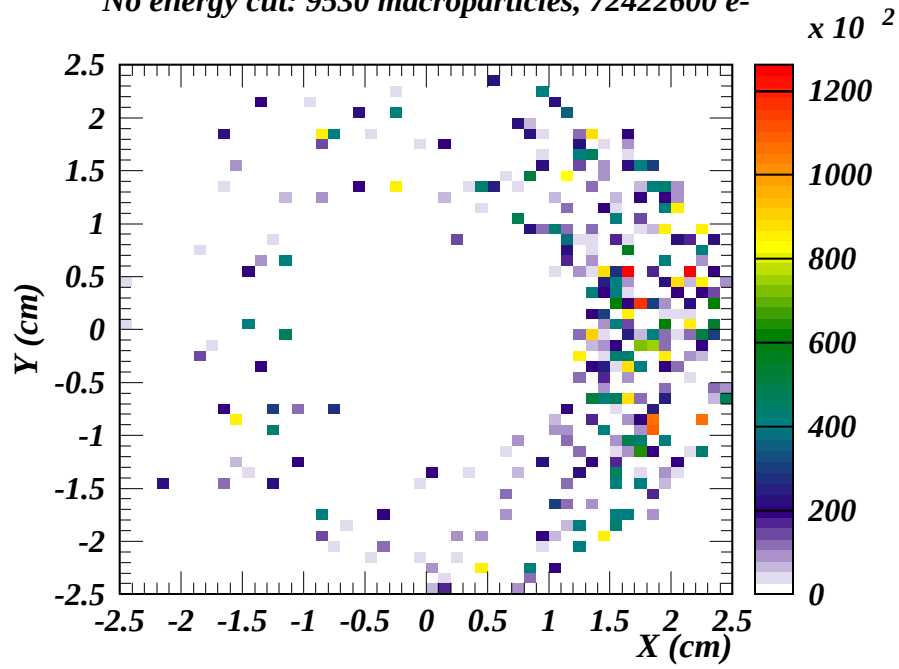


$E_{kin} > 10$ eV: 1194 macroparticles, 7960562 e-

10/02/04 15.48

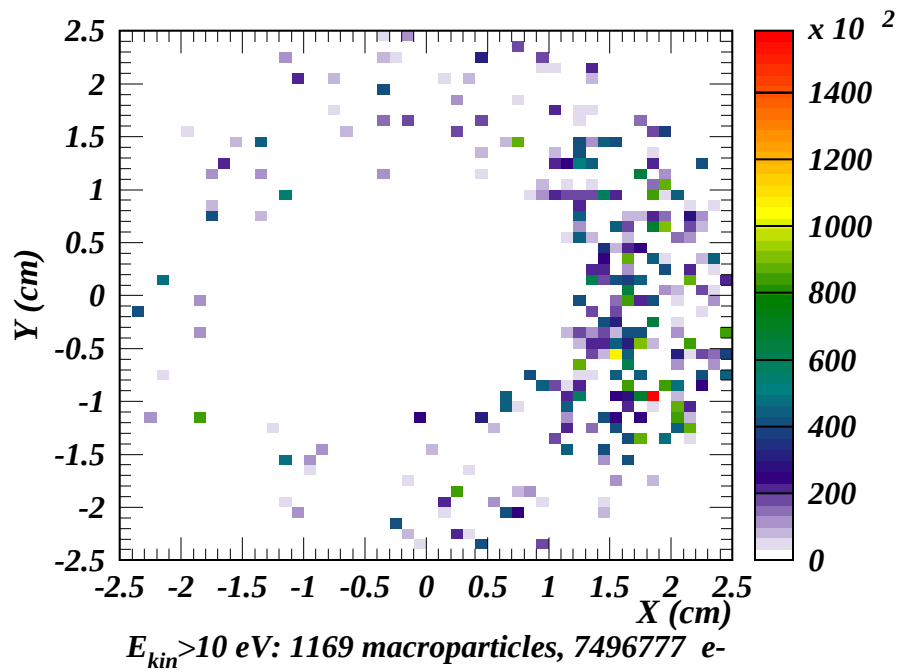
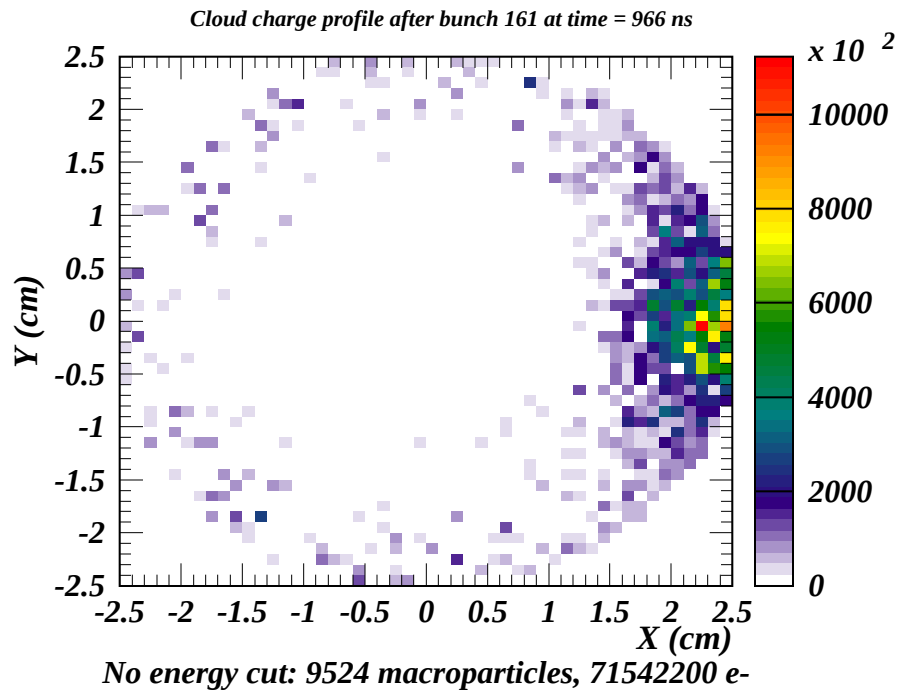


No energy cut: 9530 macroparticles, 72422600 e-



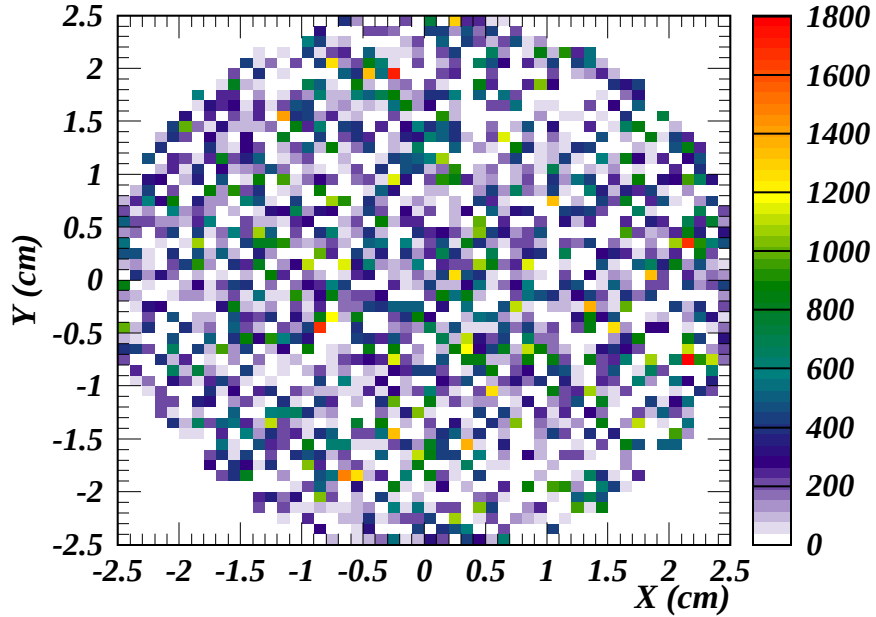
$E_{kin} > 10$ eV: 1222 macroparticles, 7.91895e+06 e-

10/02/04 15.48

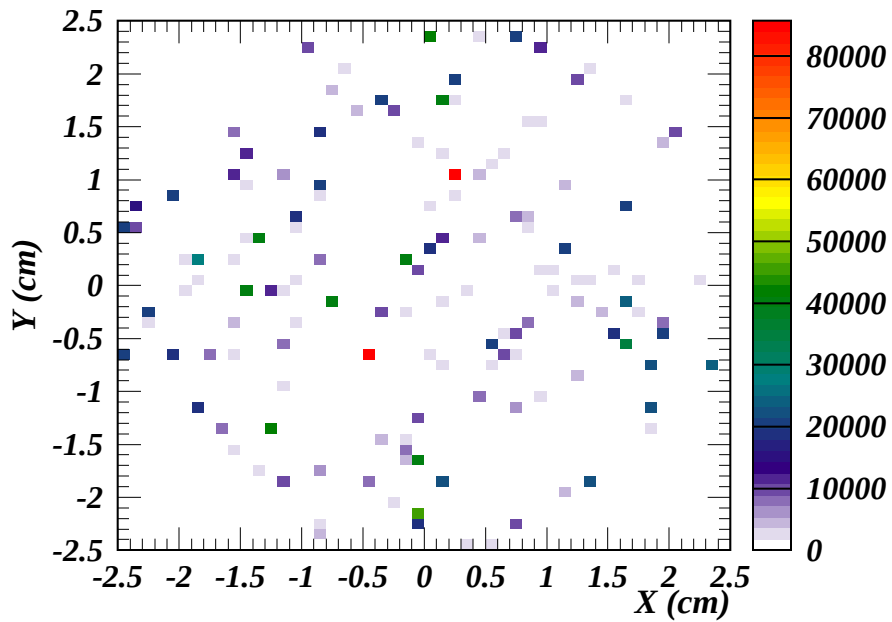


10/02/04 15.48
 $\times 10^{-2}$

Cloud charge profile after bunch 171 at time = 1026 ns



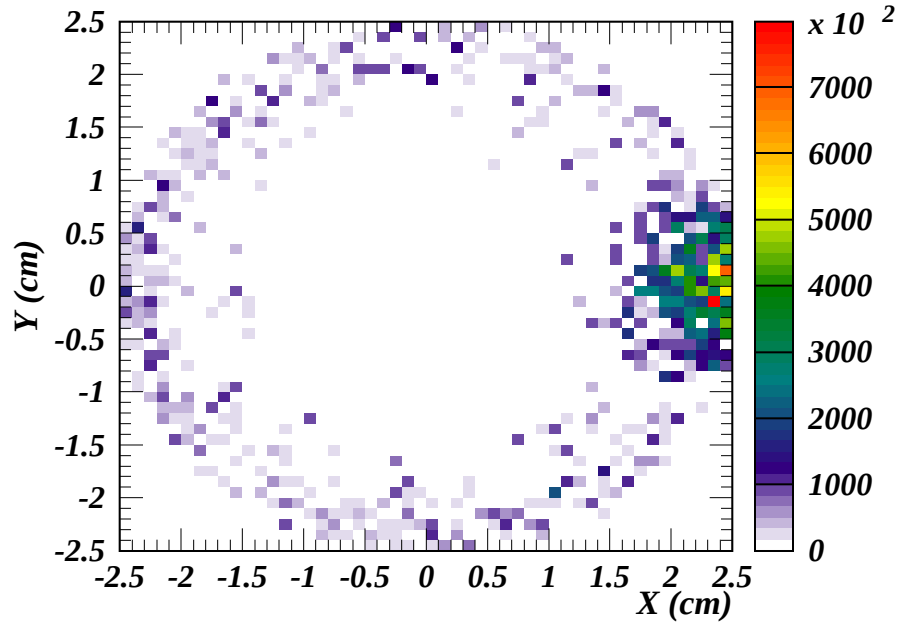
No energy cut: 8779 macroparticles, 46761264 e-



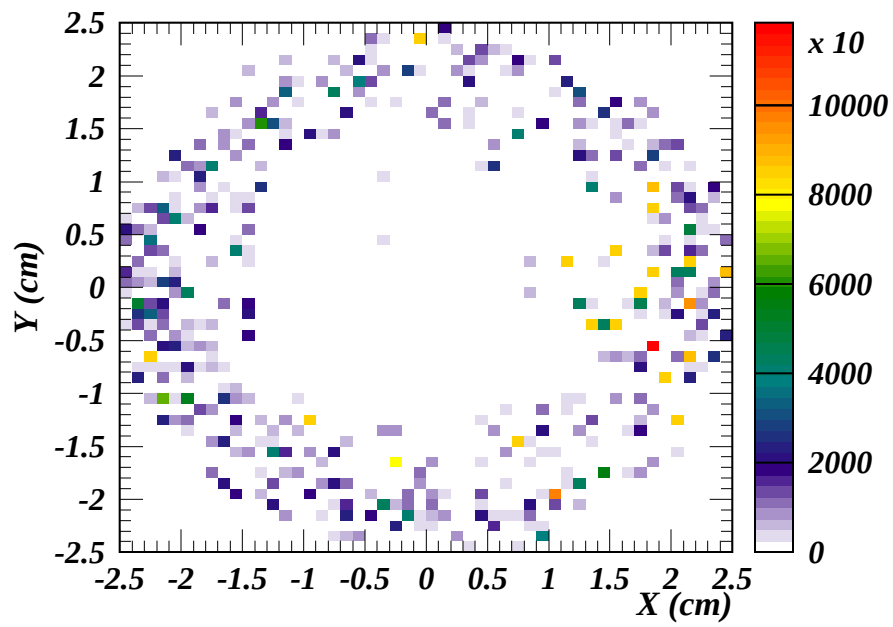
$E_{kin} > 10$ eV: 433 macroparticles, 1.68034e+06 e-

10/02/04 15.48

Cloud charge profile after bunch 181 at time = 1086 ns

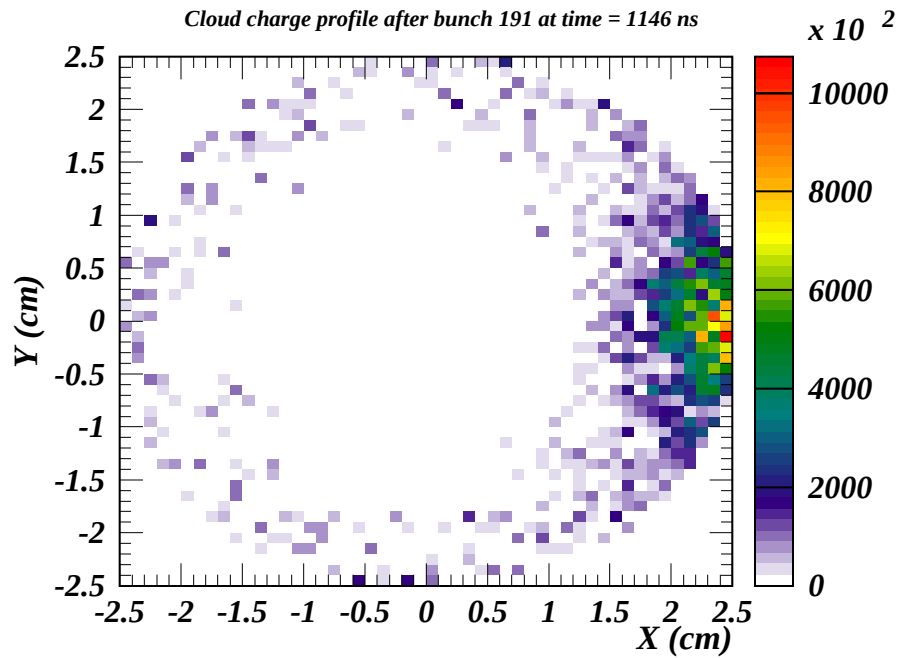


No energy cut: 8623 macroparticles, 45717792 e⁻

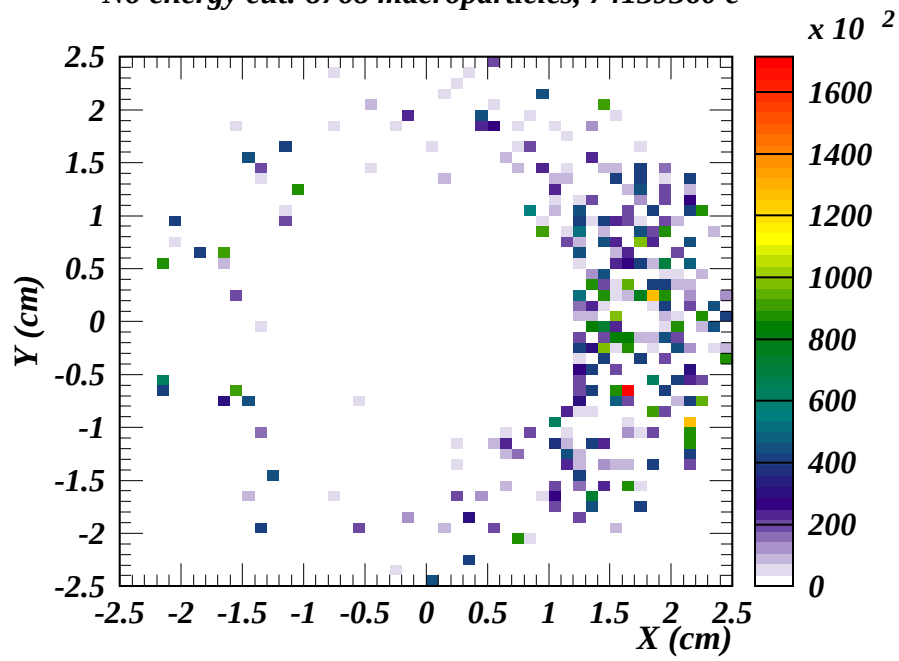


$E_{kin} > 10$ eV: 2368 macroparticles, 6869458 e⁻

10/02/04 15.48

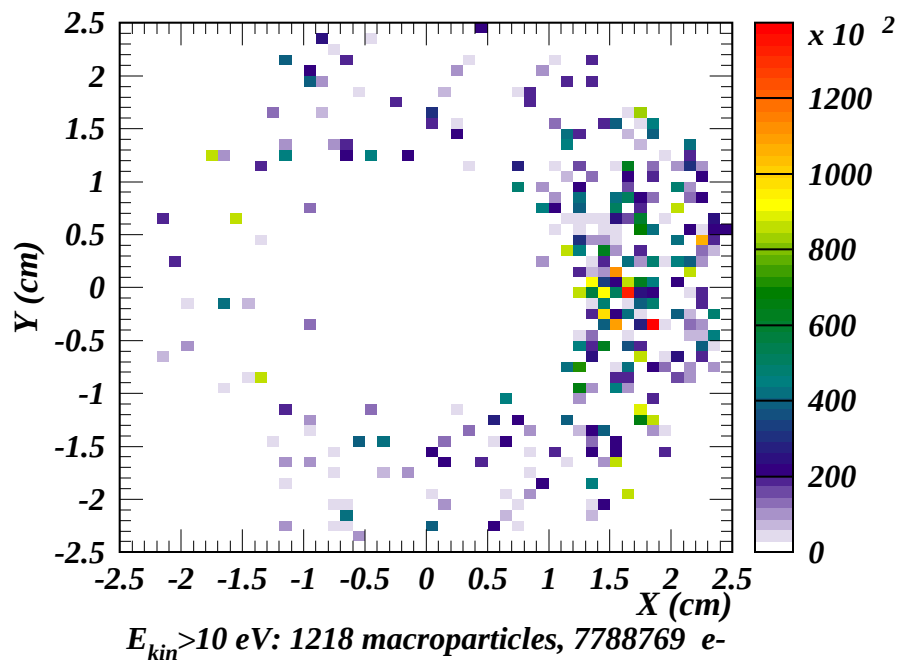
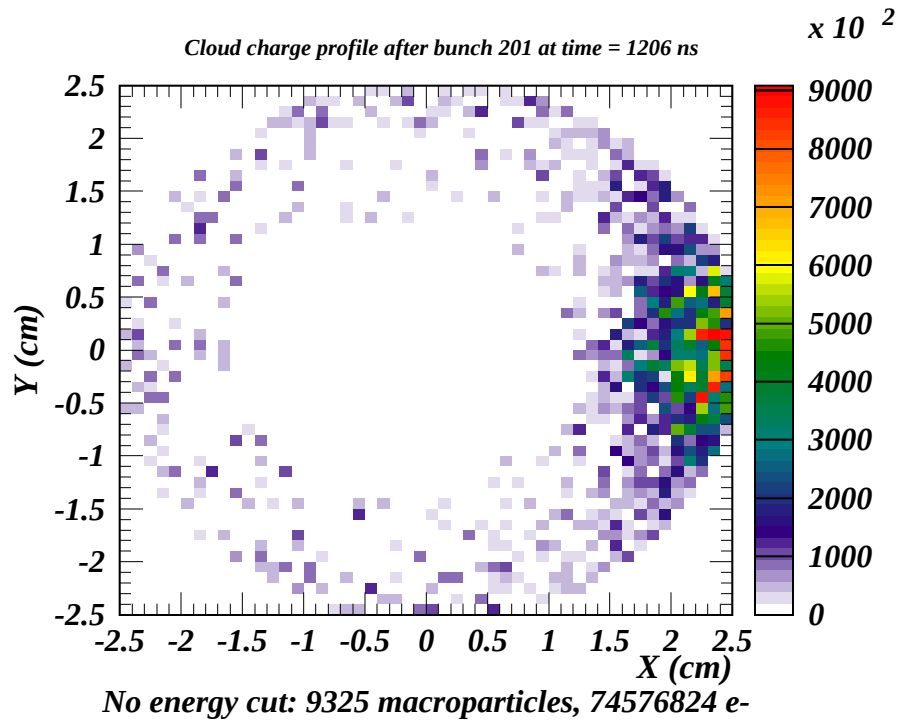


No energy cut: 8768 macroparticles, 74139360 e-

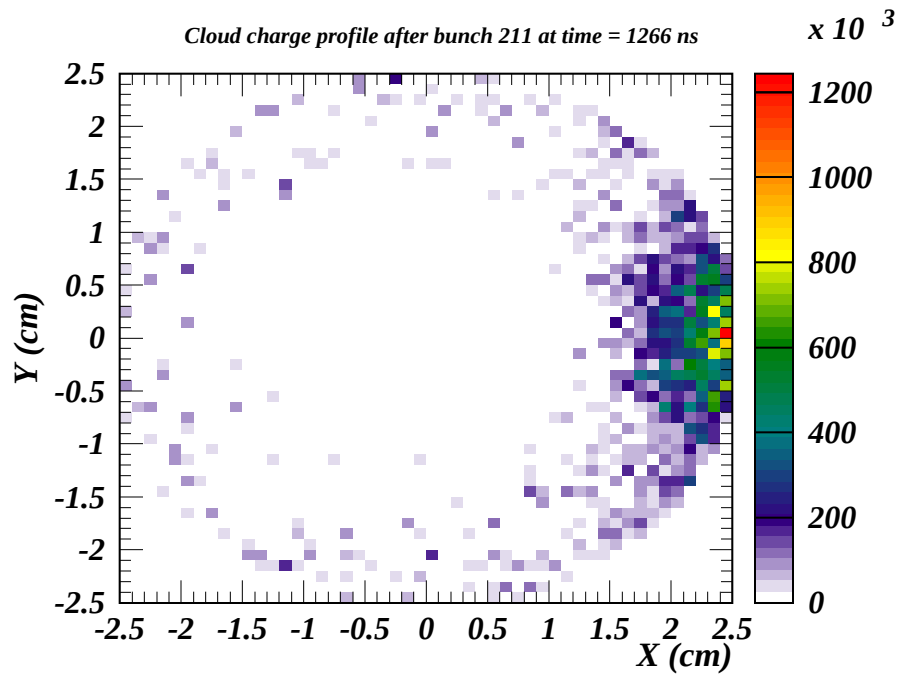


$E_{kin} > 10 \text{ eV}$: 1105 macroparticles, 8401166 e-

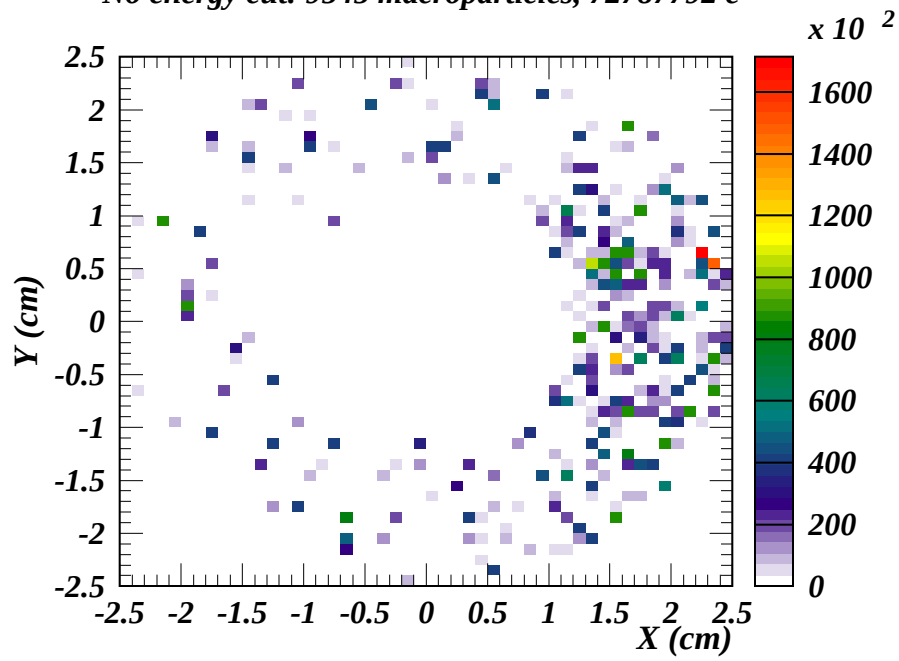
10/02/04 15.48



10/02/04 15.48

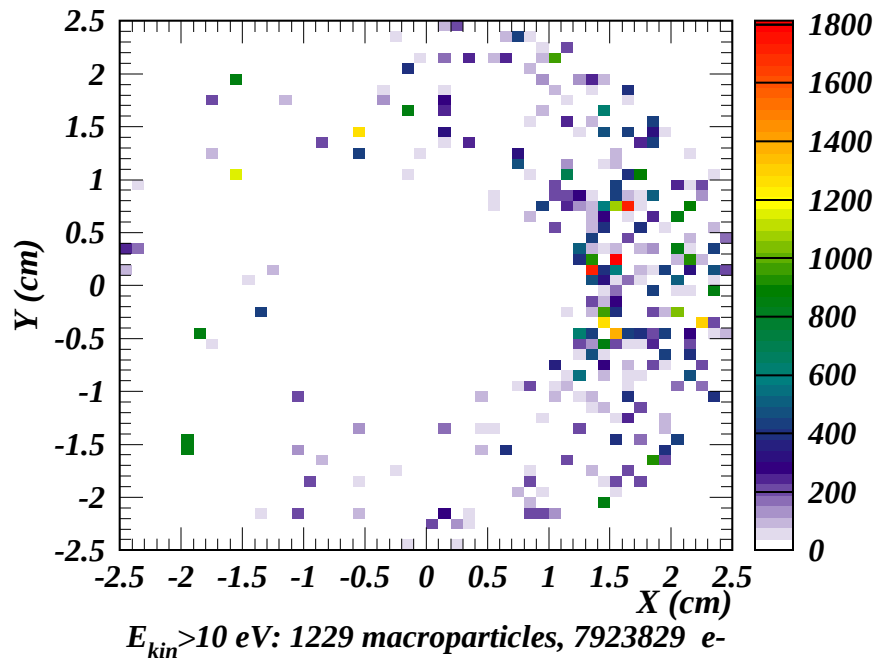
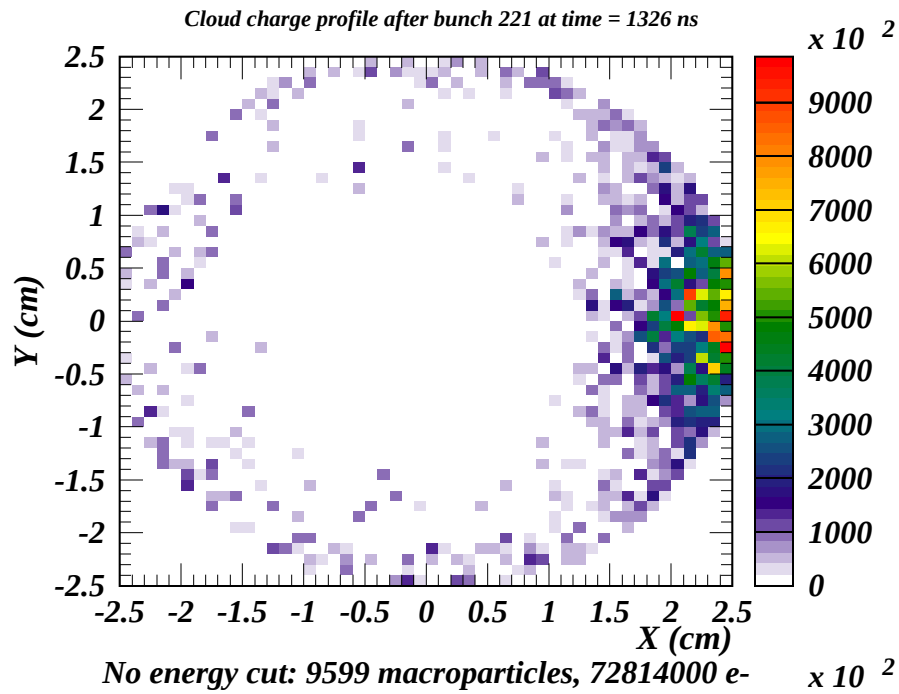


No energy cut: 9545 macroparticles, 72787792 e-

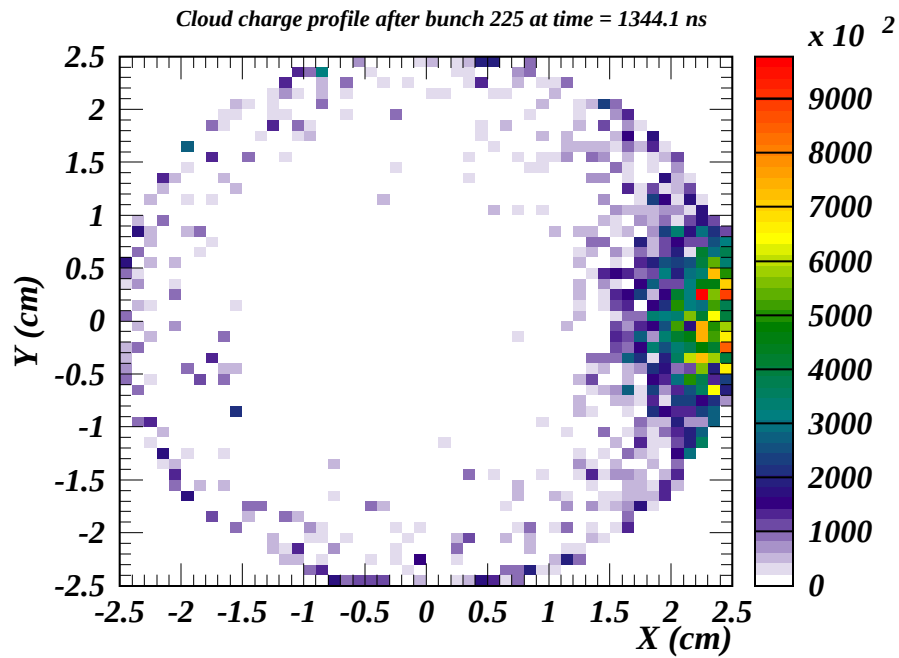


$E_{kin} > 10$ eV: 1218 macroparticles, 7.89459e+06 e-

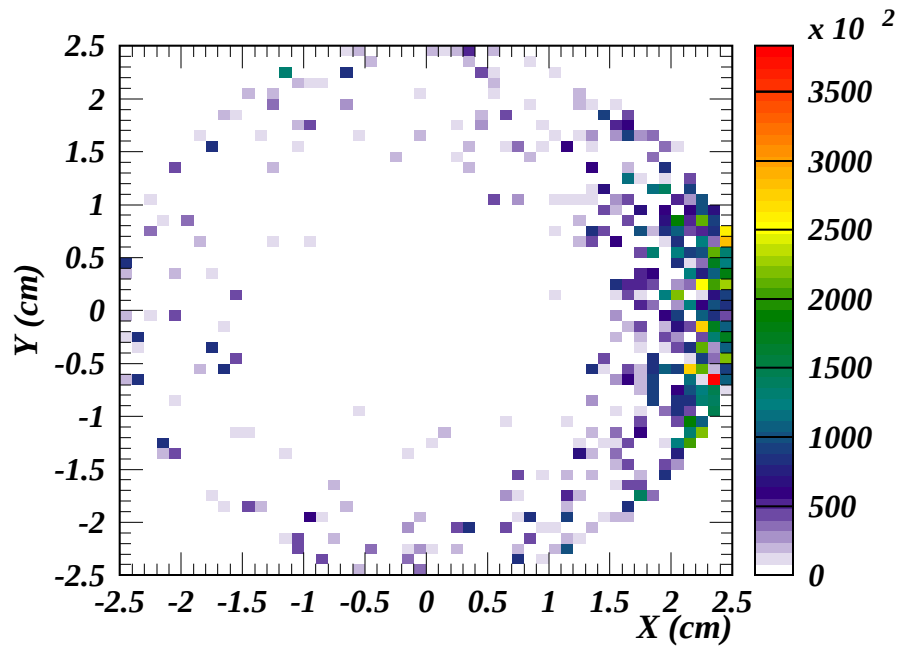
10/02/04 15.48



10/02/04 15.48



No energy cut: 9528 macroparticles, 108370936 e-

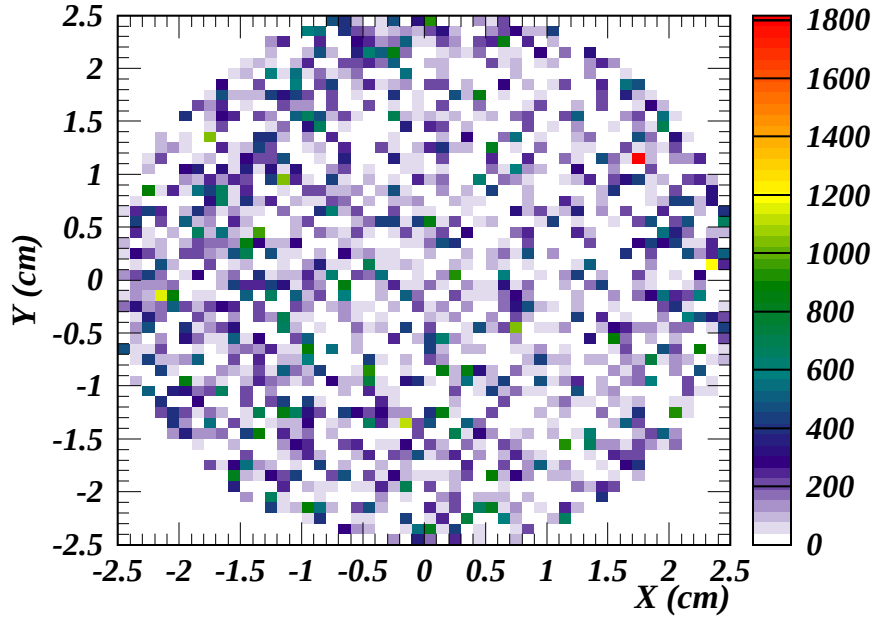


$E_{kin} > 10$ eV: 2219 macroparticles, 23592218 e-

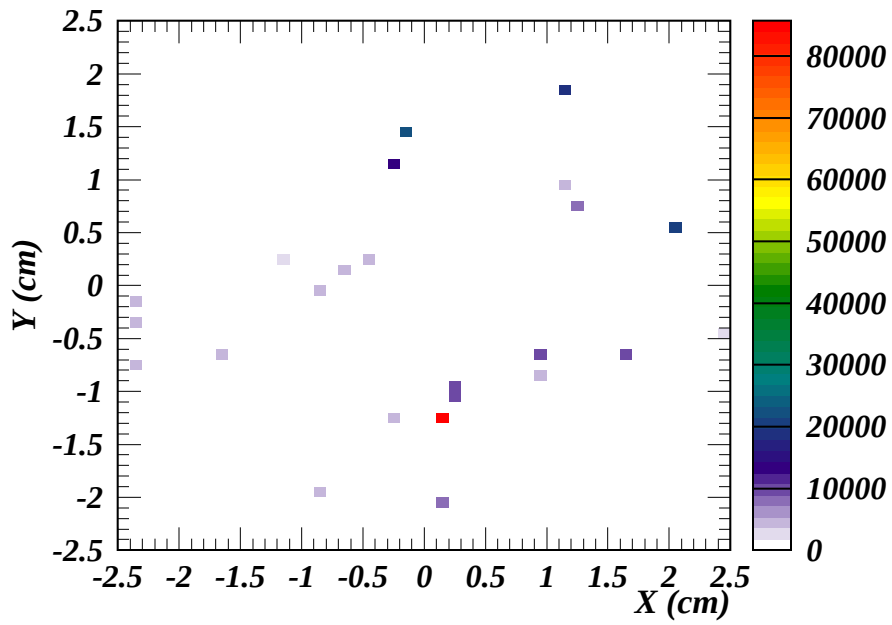
10/02/04 15.48

$\times 10^{-2}$

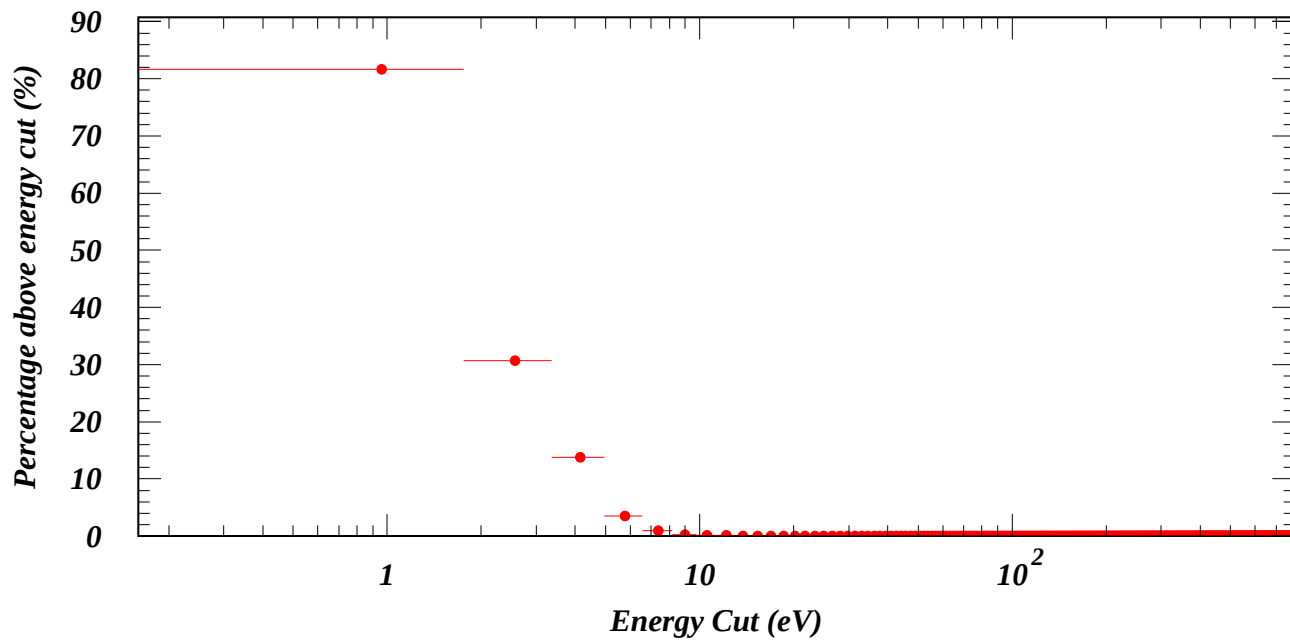
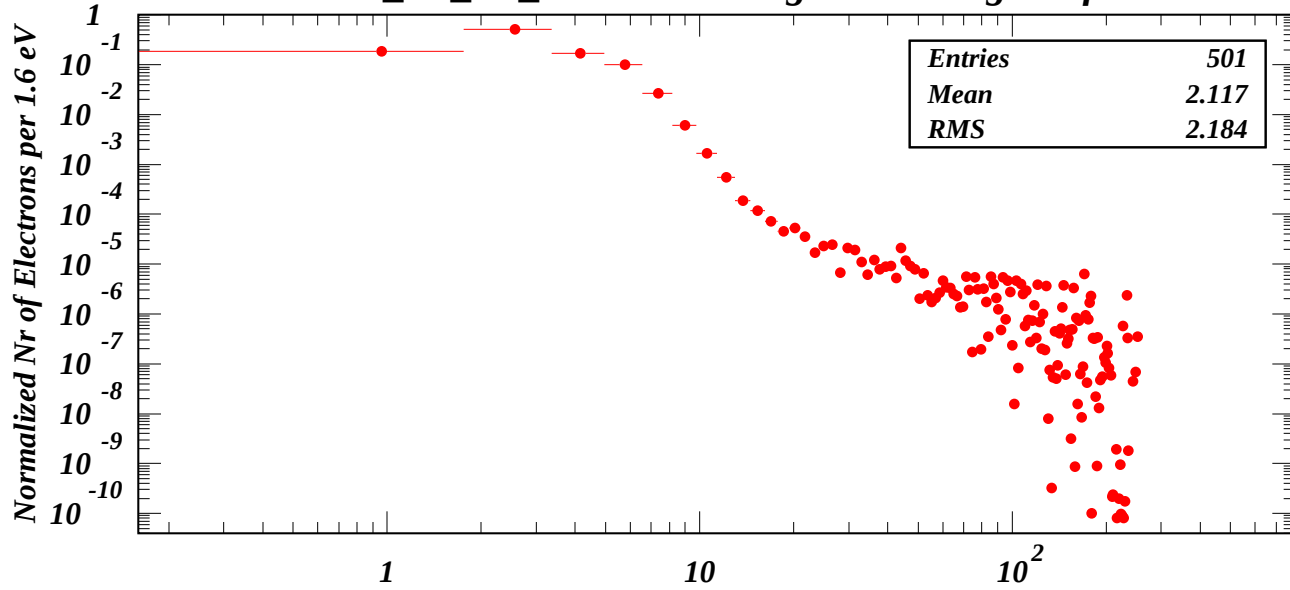
Cloud charge profile after bunch 241 at time = 1440 ns

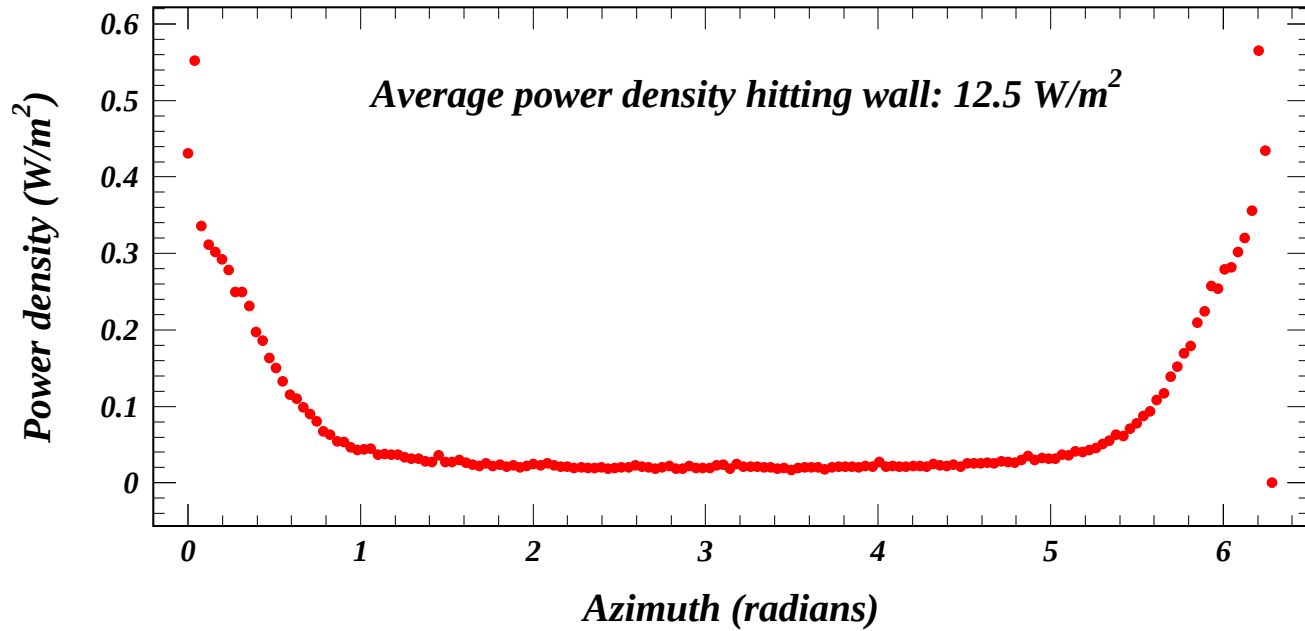
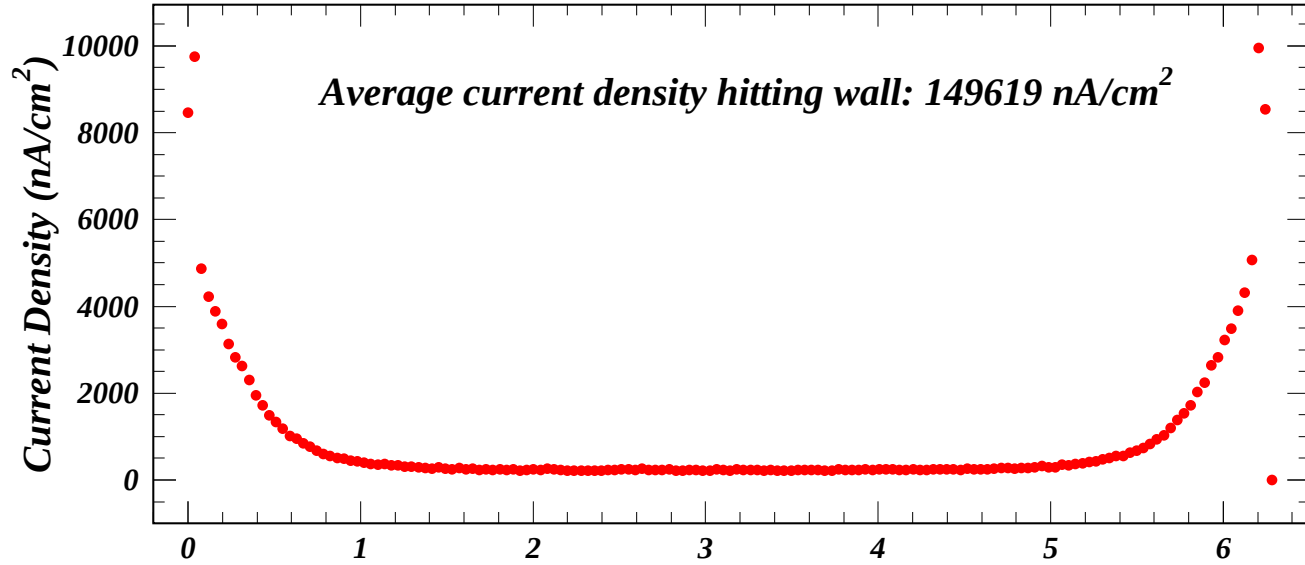


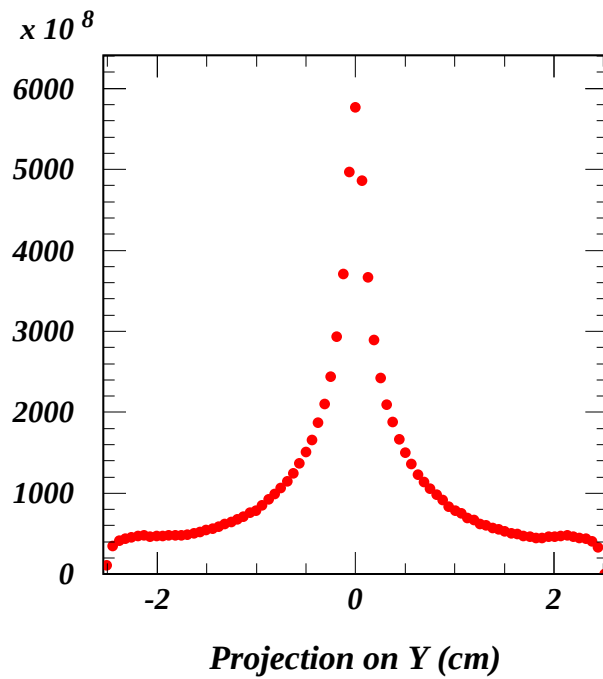
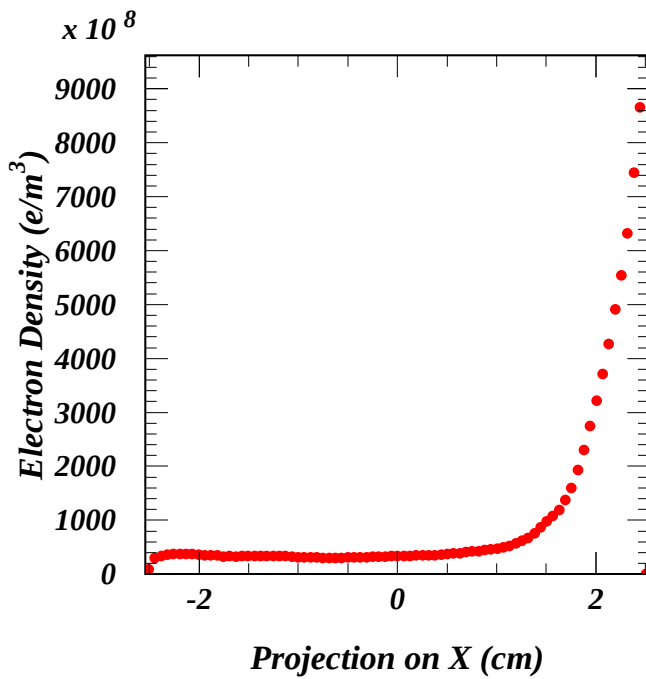
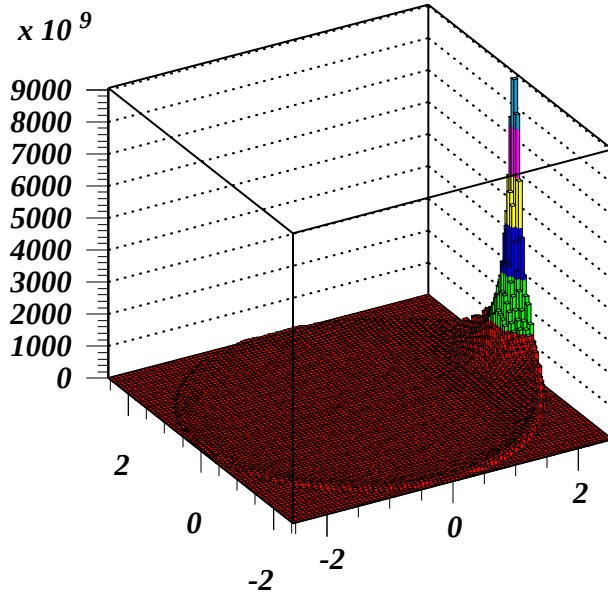
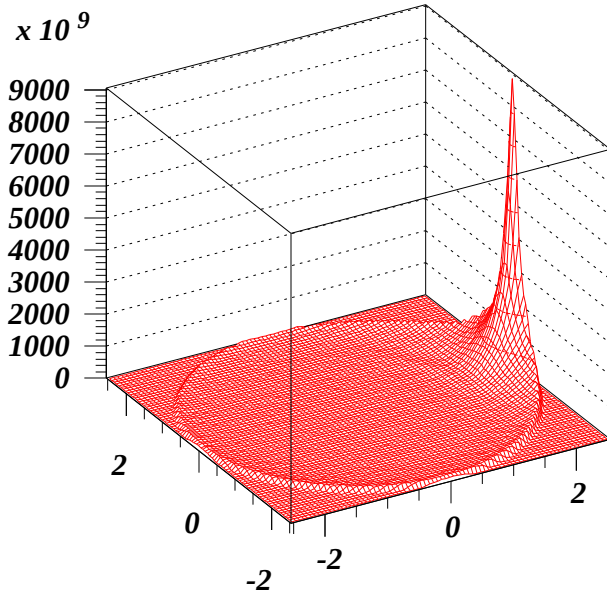
No energy cut: 8146 macroparticles, 1.3636 e-



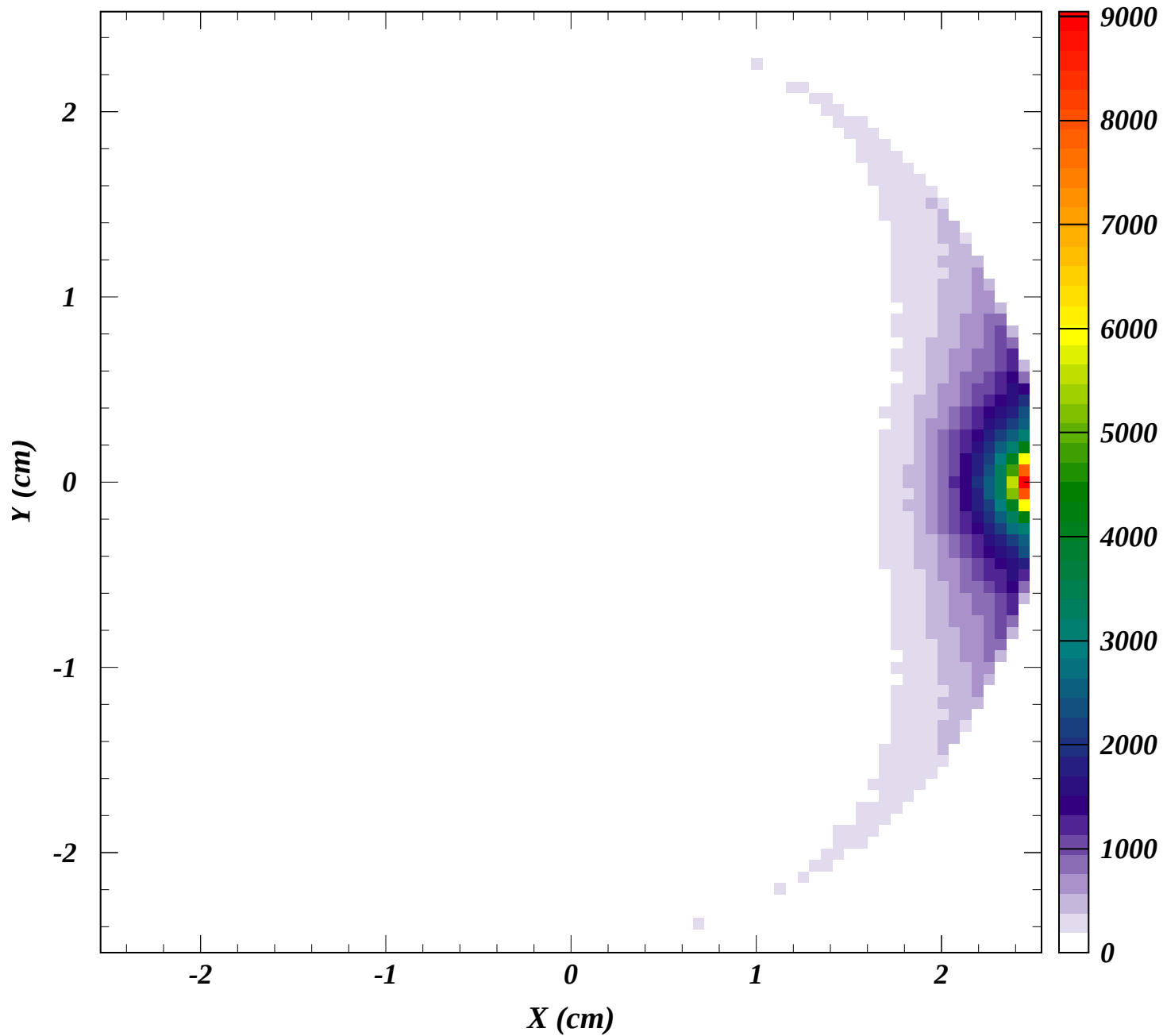
$E_{kin} > 10$ eV: 103 macroparticles, 0 e-

ECLOUD-DR20100203_ele_dri_red: Time-Integrated Energies of Electrons Hitting Wal

ECLOUD-DR20100203_ele_dri_red: Time-Integrated Energies of Electrons Hitting Wal

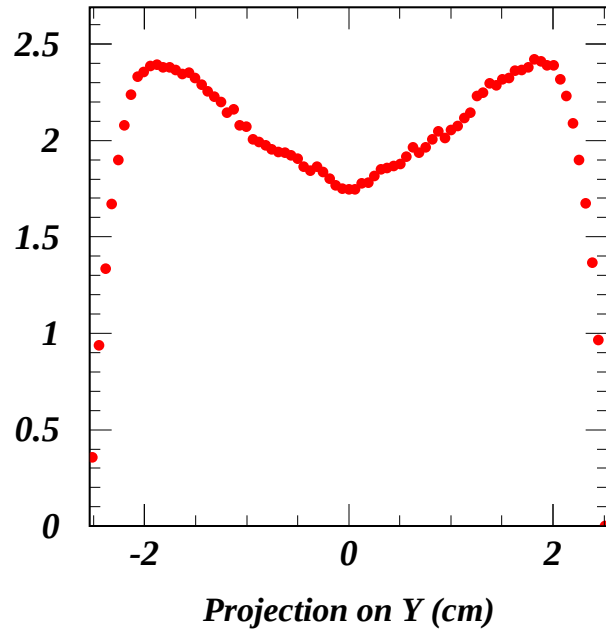
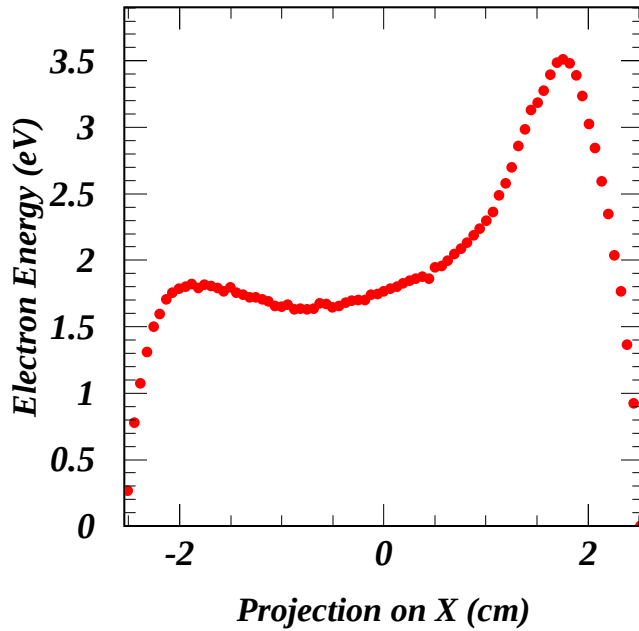
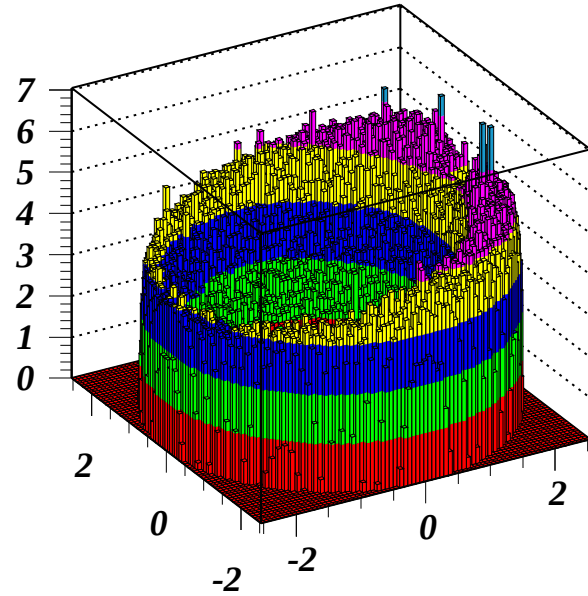
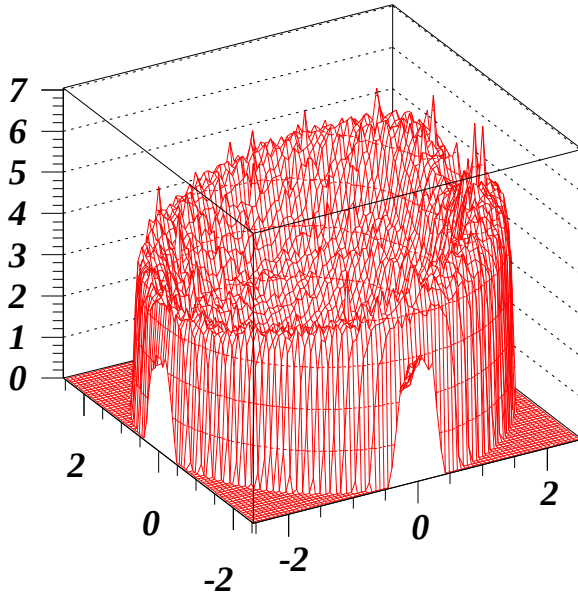
ECLOUD-DR20100203_ele_dri_red: Cloud Density (e/m^3) Averaged Over 1440 ns

10/02/04 15.48
ECLOUD-DR20100203_ele_dri_red: Cloud Density (e/m^3) Averaged Over 1440 ns $\times 10^9$



10/02/04 15.48

ECLOUD-DR20100203_ele_dri_red: Electron Energies (eV) Averaged Over 1440 ns



10/02/04 15.49
ECLOUD-DR20100203_ele_dri_red: Electron Energies (eV) Averaged Over 1440 ns

