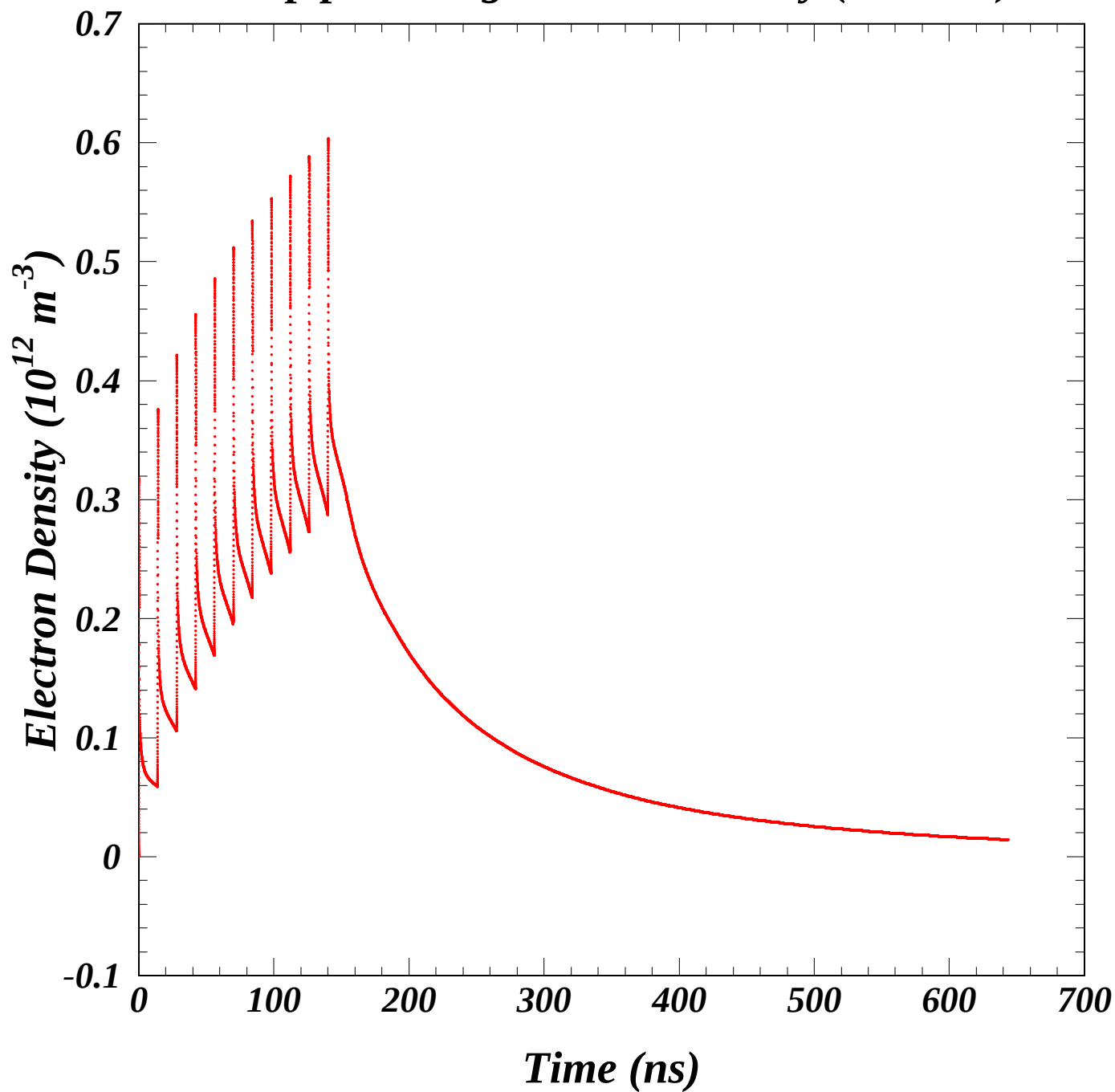
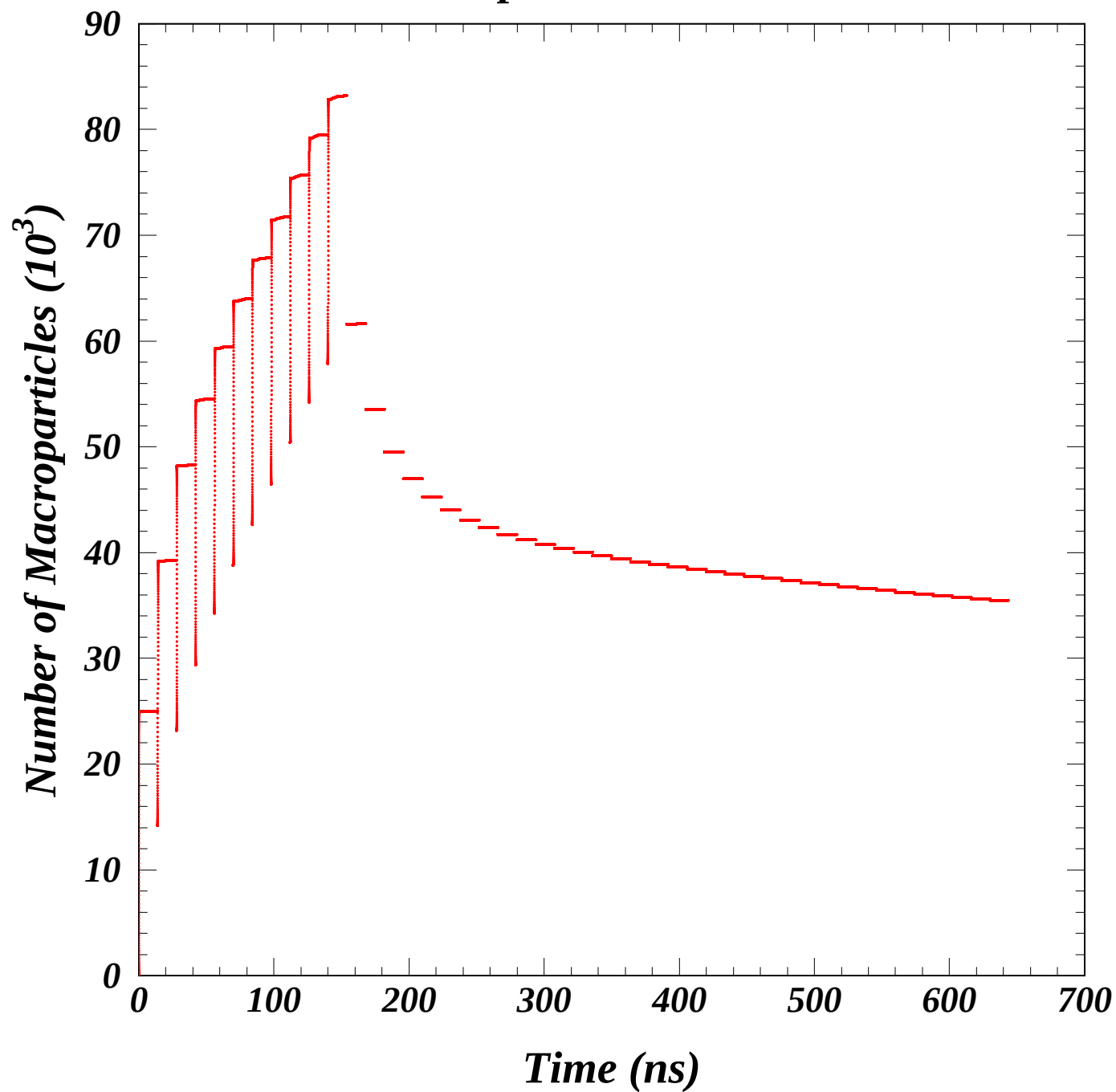
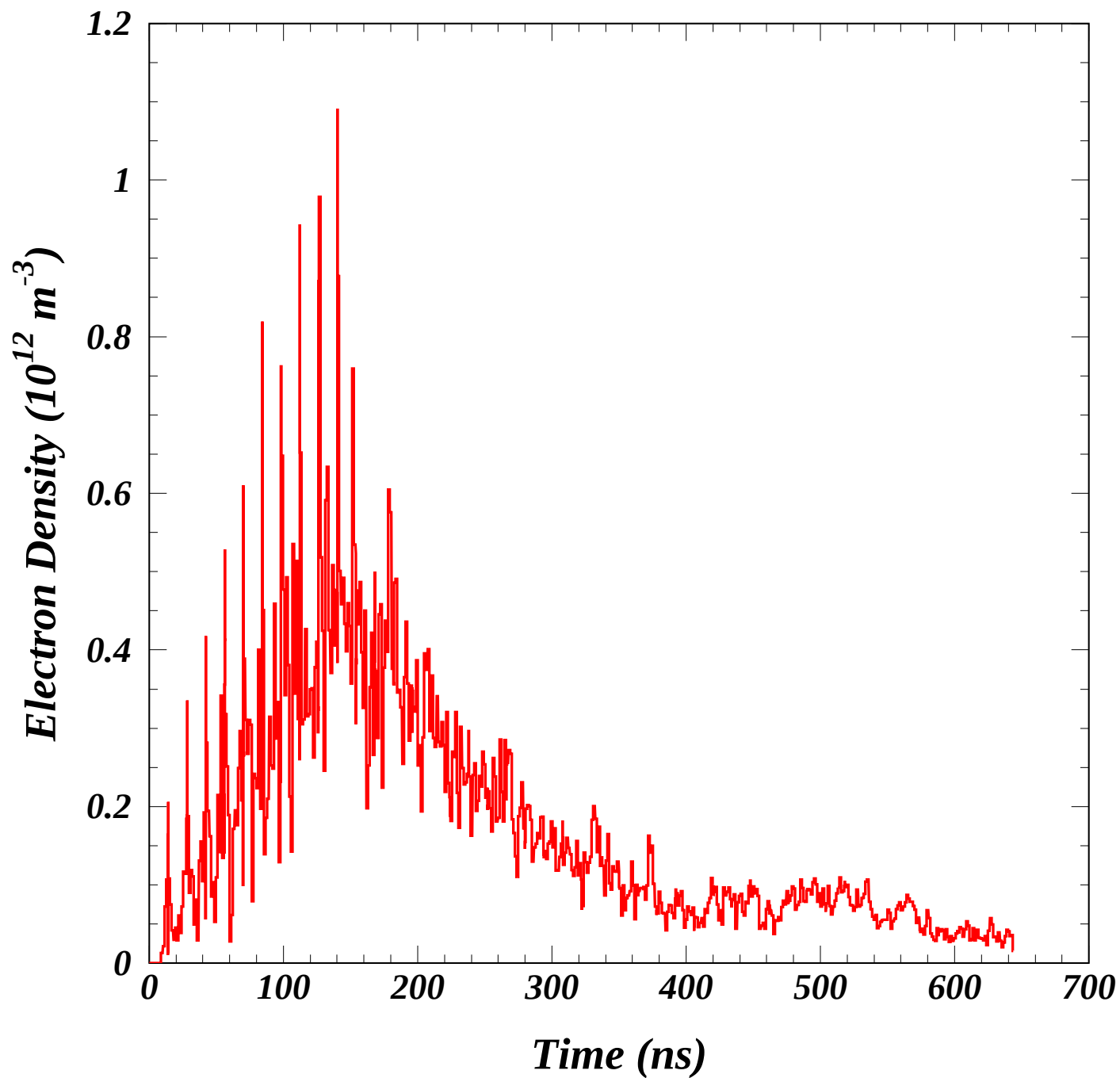
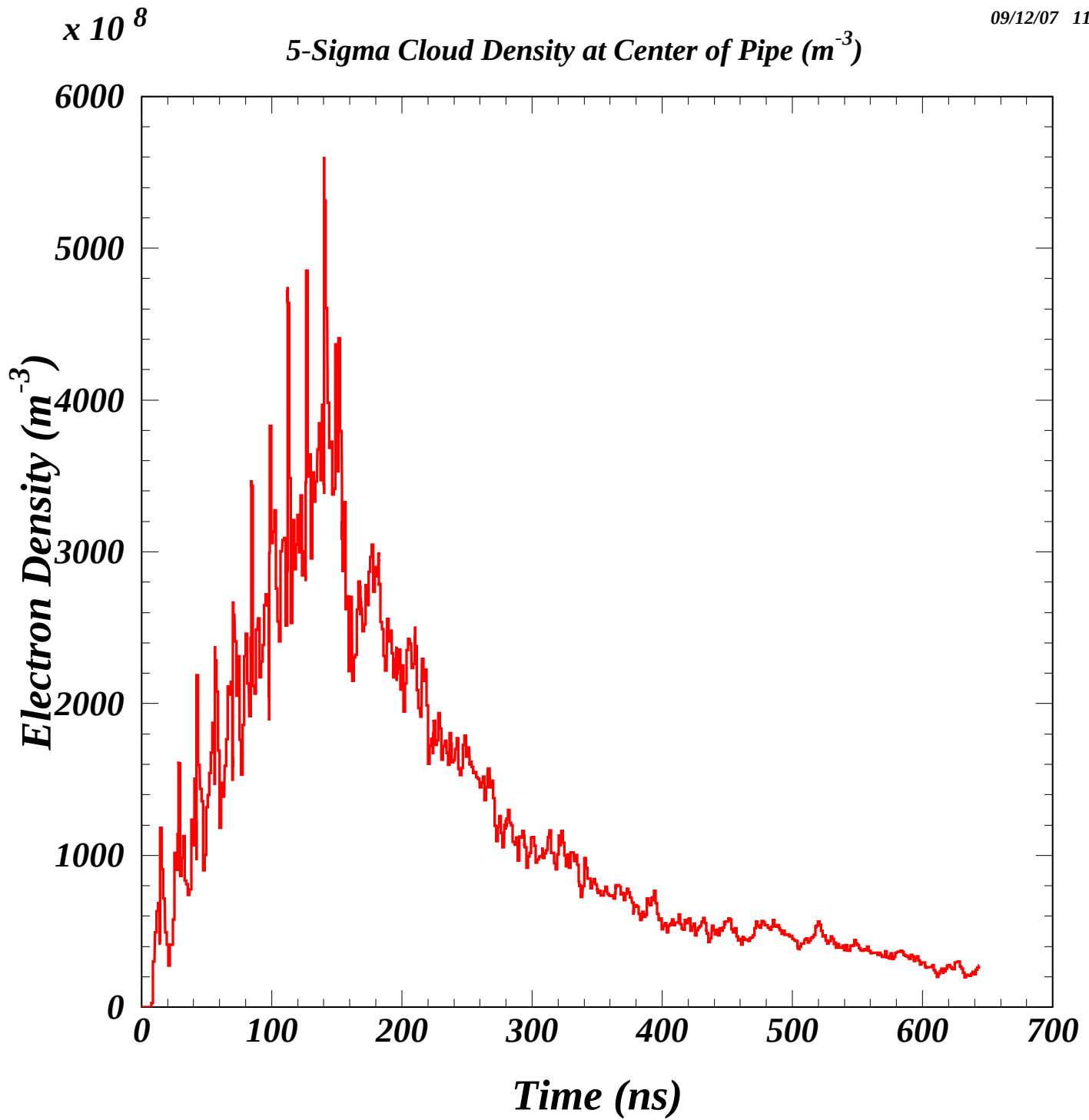


Beampipe-averaged Cloud Density (10^{12} m^{-3})

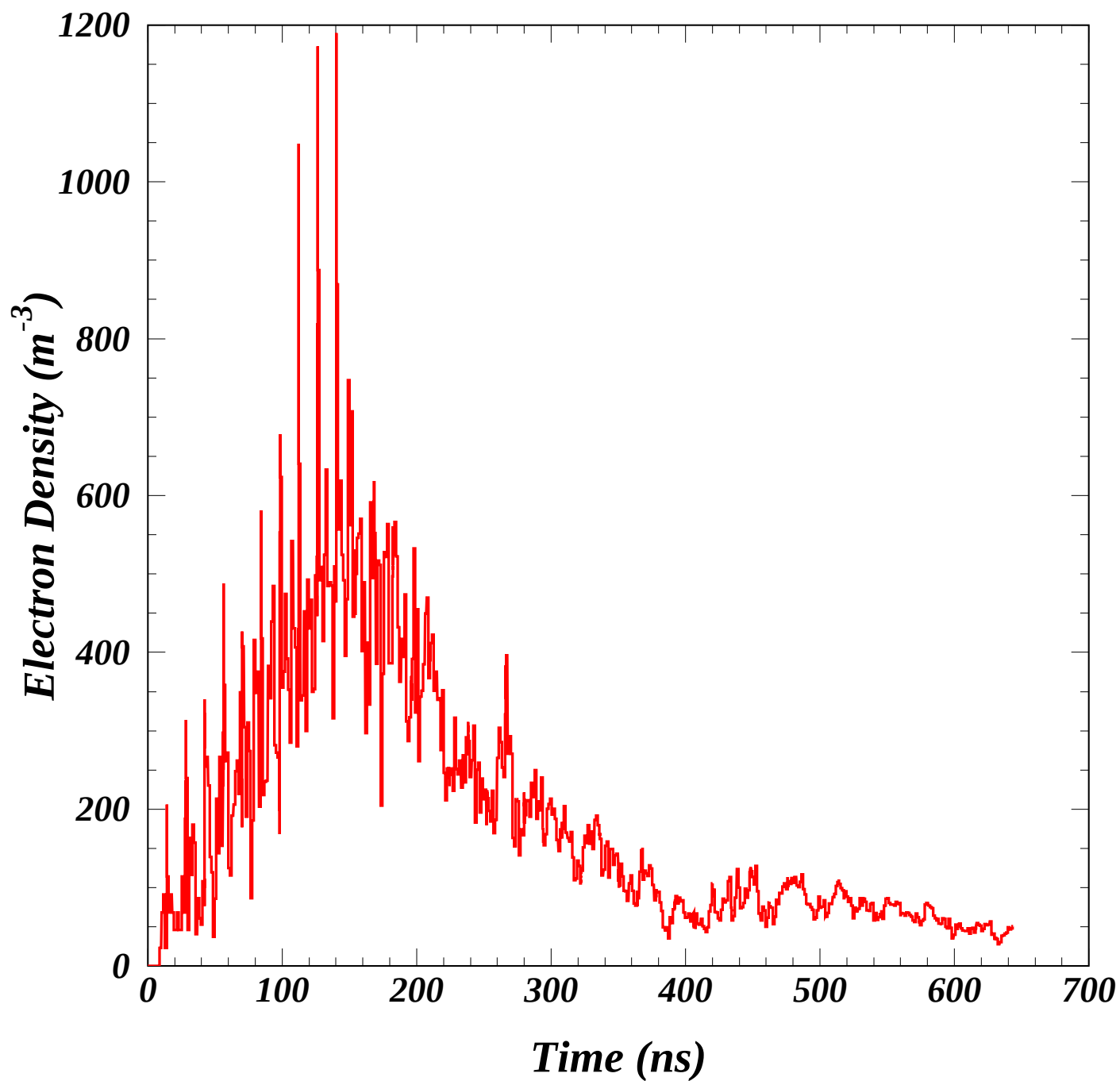
Macroparticle Statistics

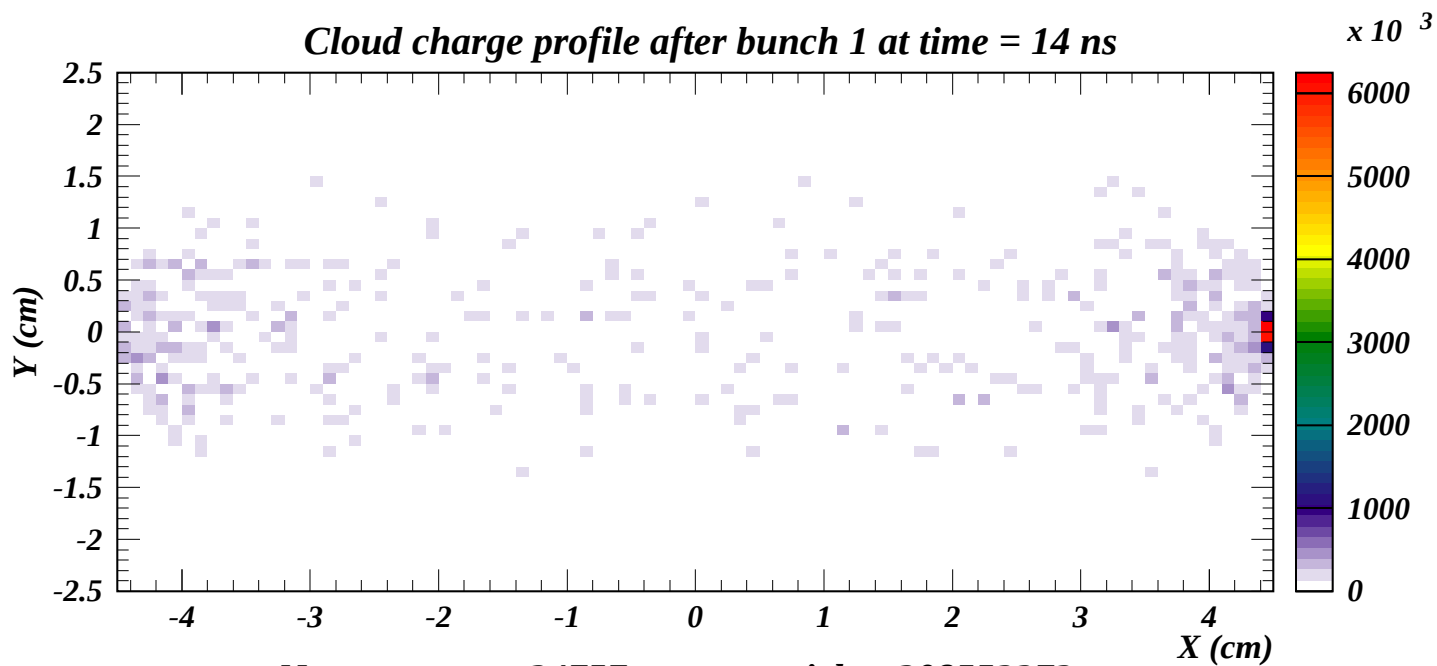
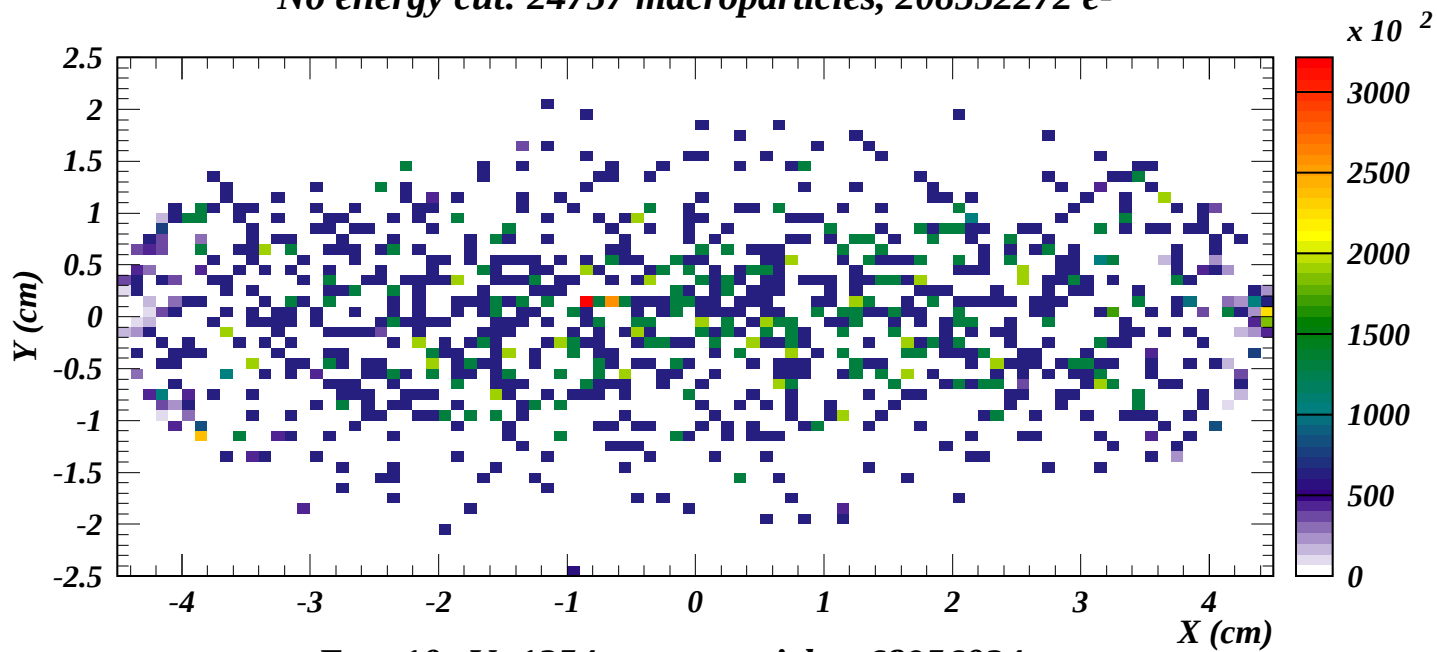


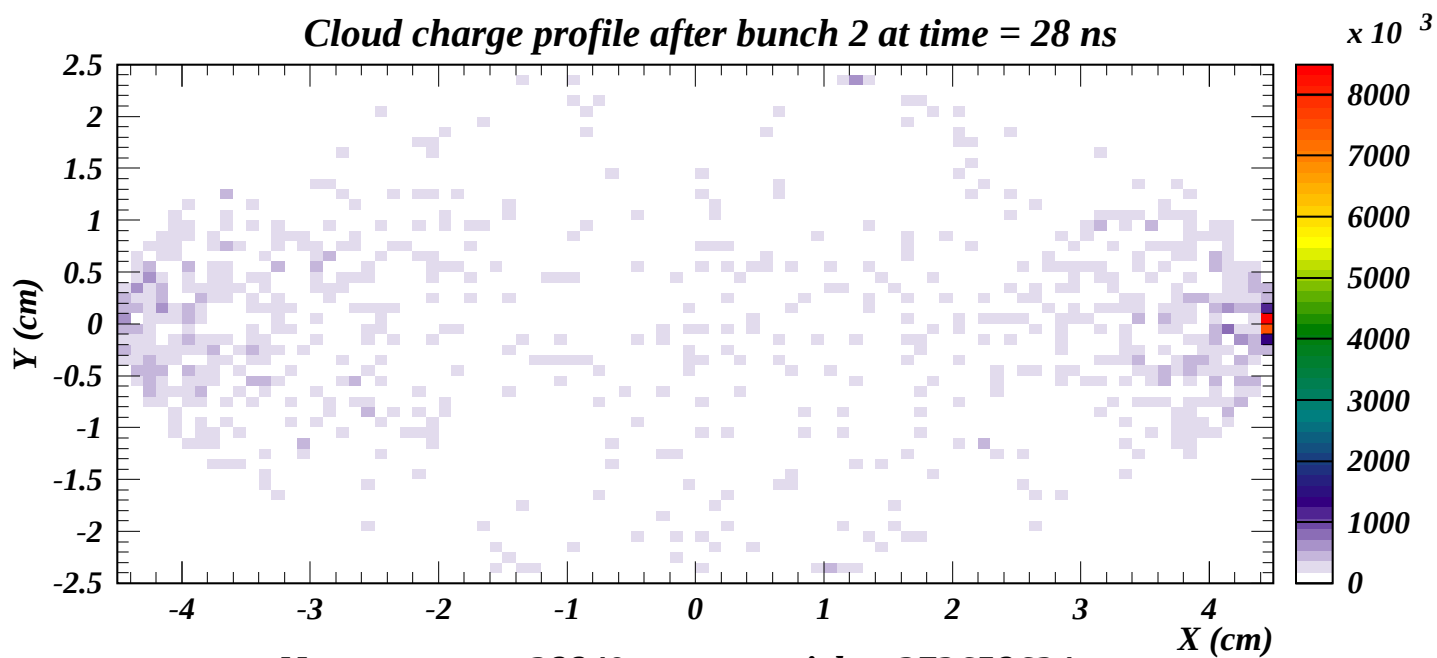
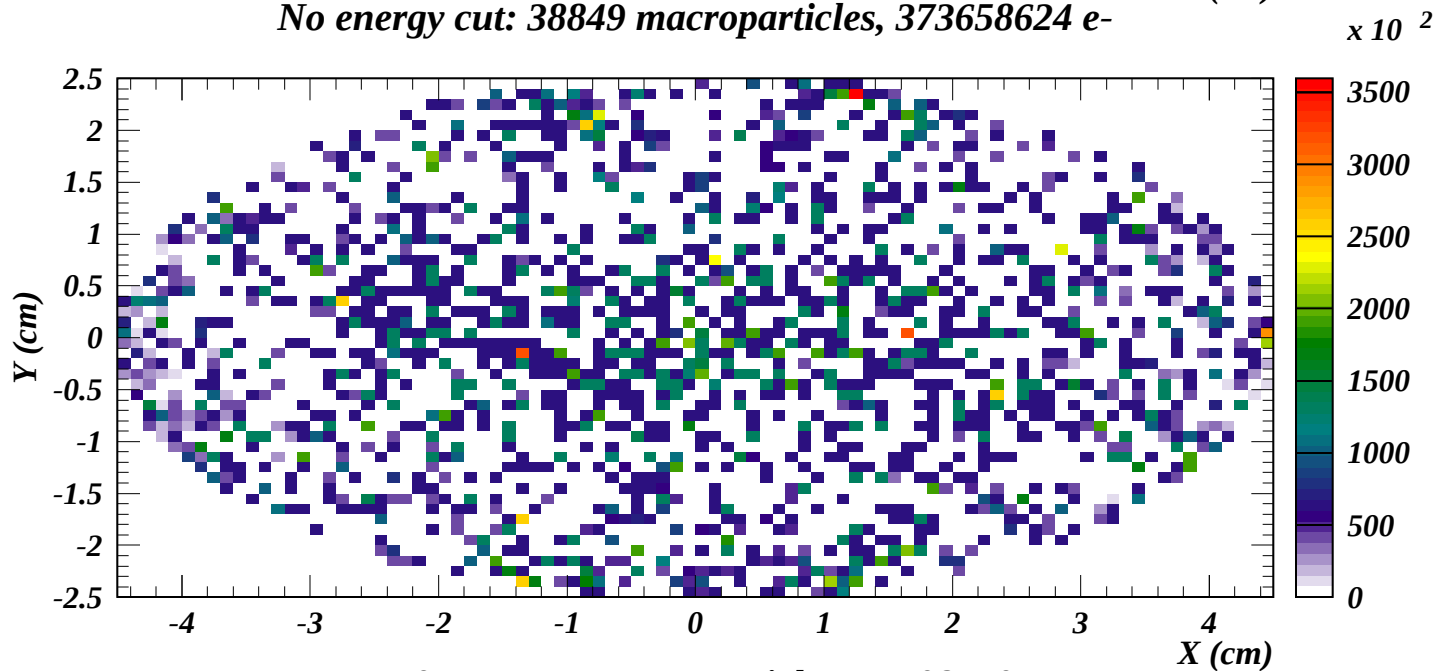
Beam-averaged Cloud Density (10^{12} m^{-3})

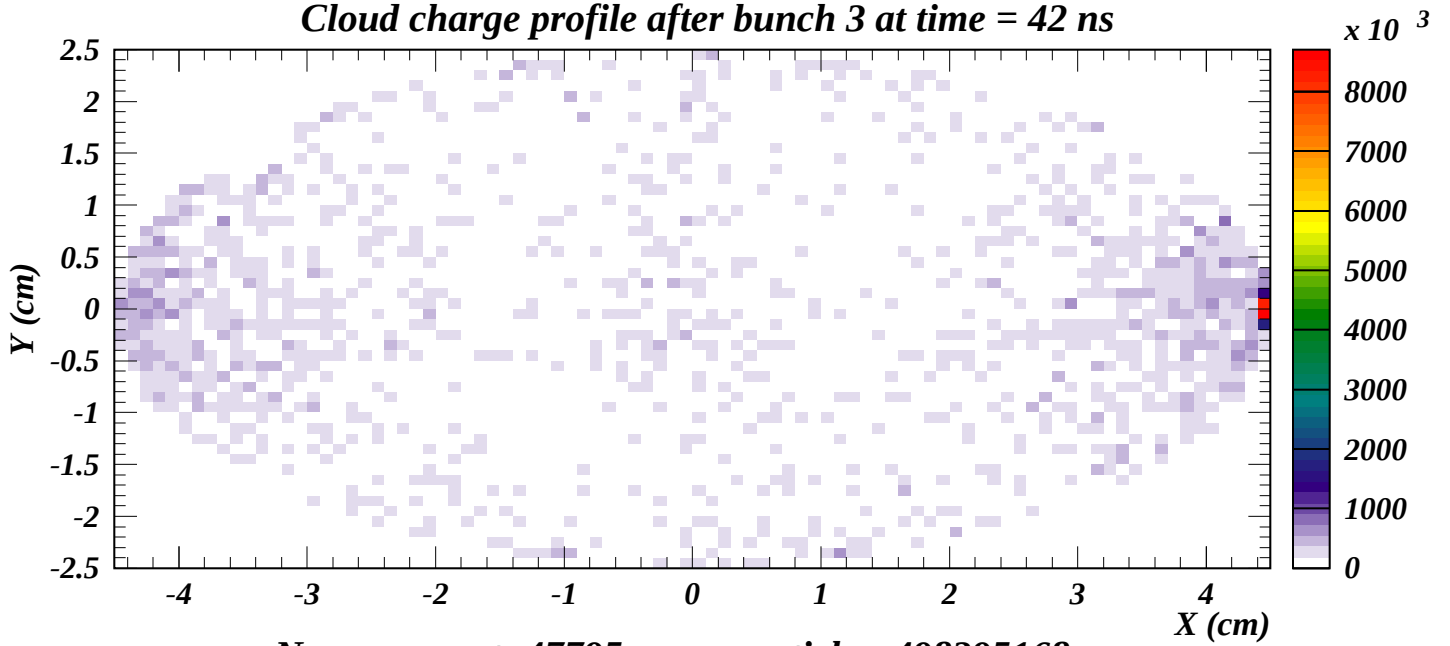
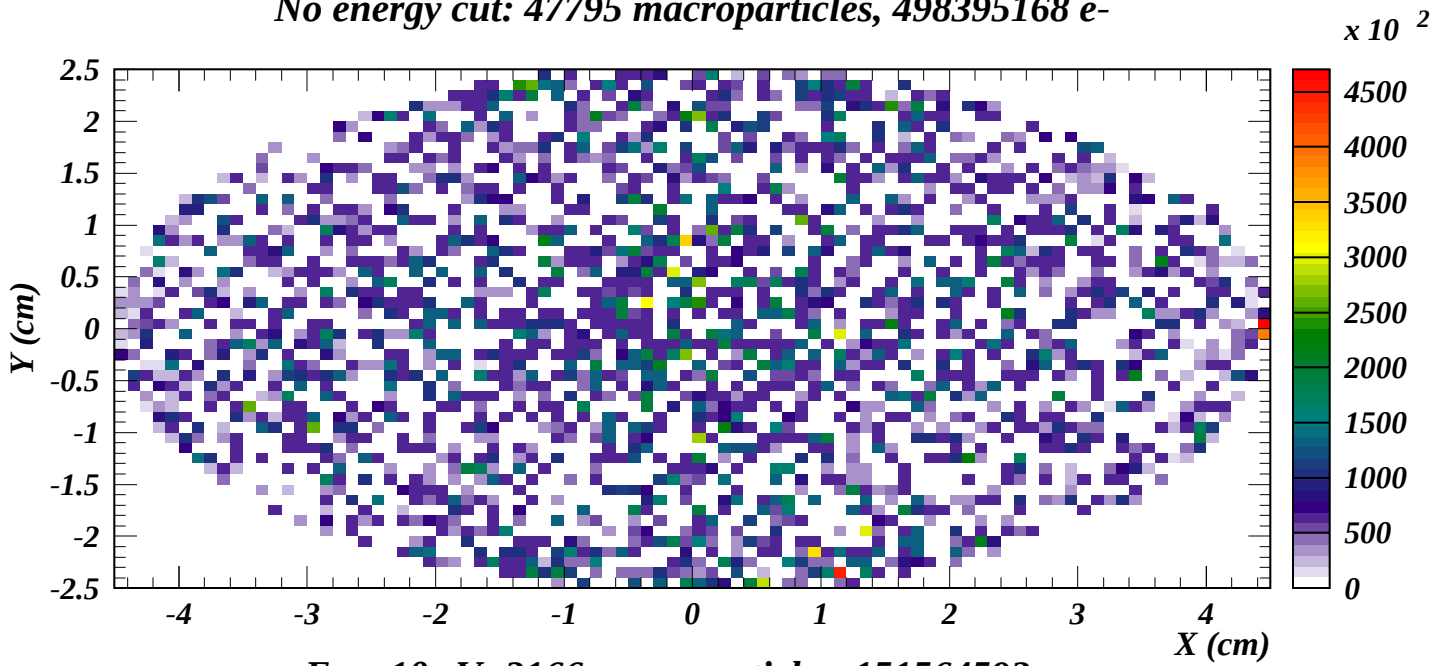
5-Sigma Cloud Density at Center of Pipe (m^{-3})

$\times 10^9$ 09/12/07 11.48
ECLLOUD-TS0608_SEY20_Epk310: Cloud Density in Central Grid Cell (m^{-3})



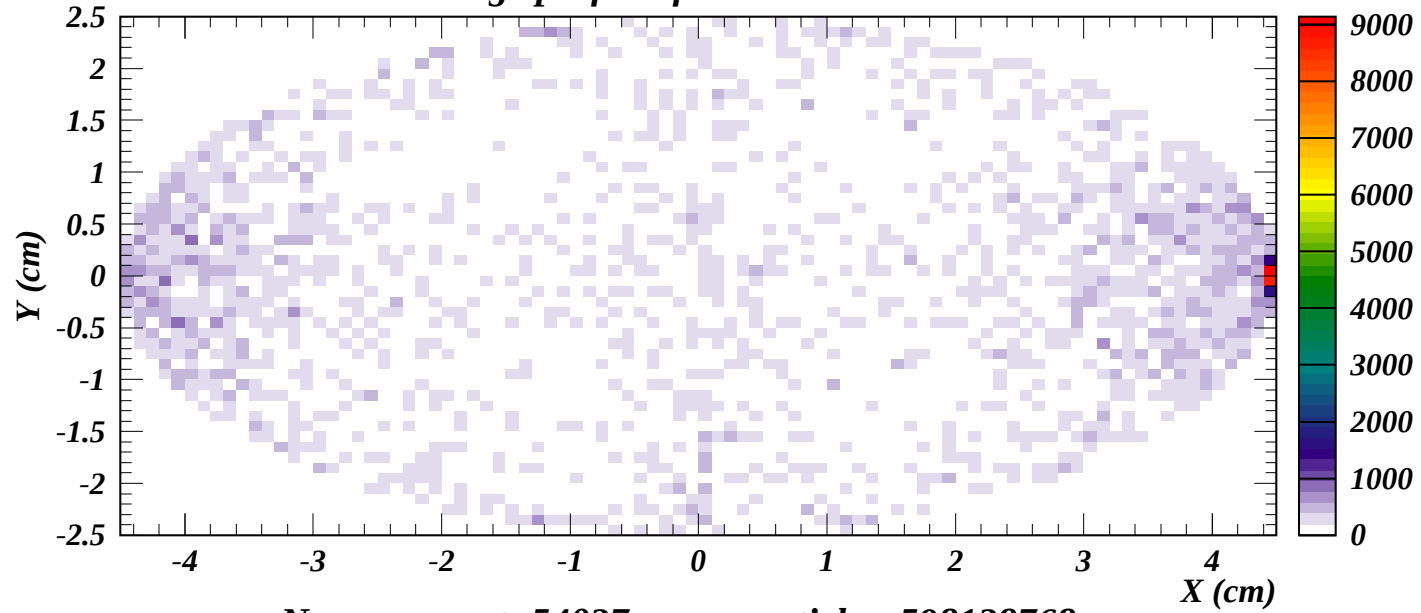
Cloud charge profile after bunch 1 at time = 14 ns*No energy cut: 24757 macroparticles, 208552272 e-* *$E_{kin} > 10 \text{ eV}$: 1254 macroparticles, 68956024 e-*

Cloud charge profile after bunch 2 at time = 28 ns*No energy cut: 38849 macroparticles, 373658624 e-* *$E_{\text{kin}} > 10$ eV: 2224 macroparticles, 116086104 e-*

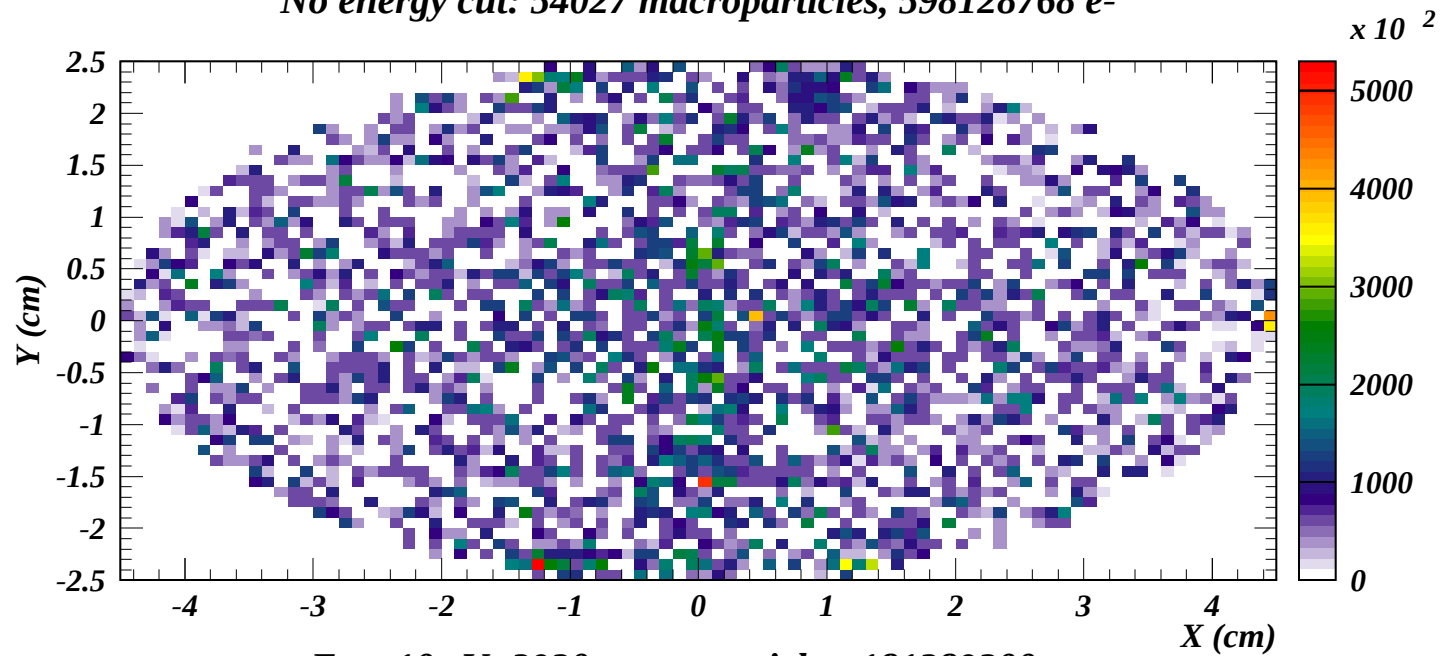
Cloud charge profile after bunch 3 at time = 42 ns*No energy cut: 47795 macroparticles, 498395168 e-* *$E_{kin} > 10$ eV: 3166 macroparticles, 151564592 e-*

09/12/07 11.48
 $\times 10^3$

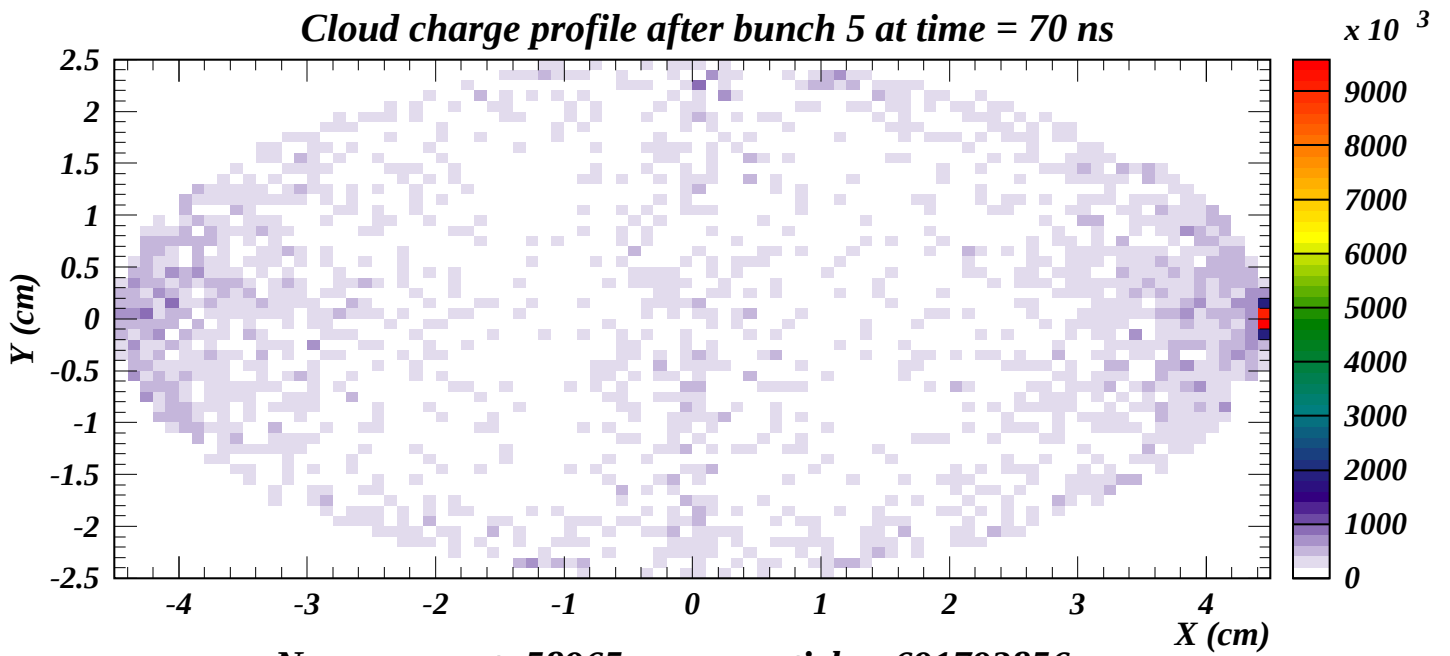
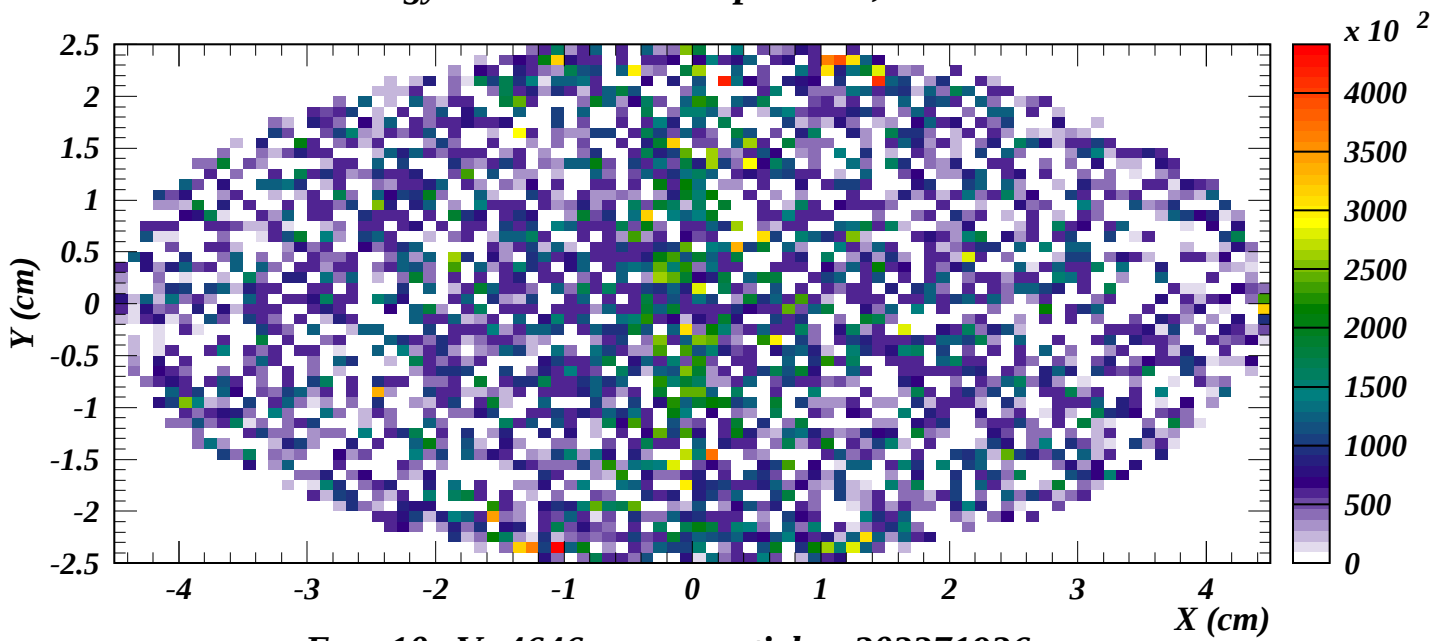
Cloud charge profile after bunch 4 at time = 56 ns



No energy cut: 54027 macroparticles, 598128768 e-

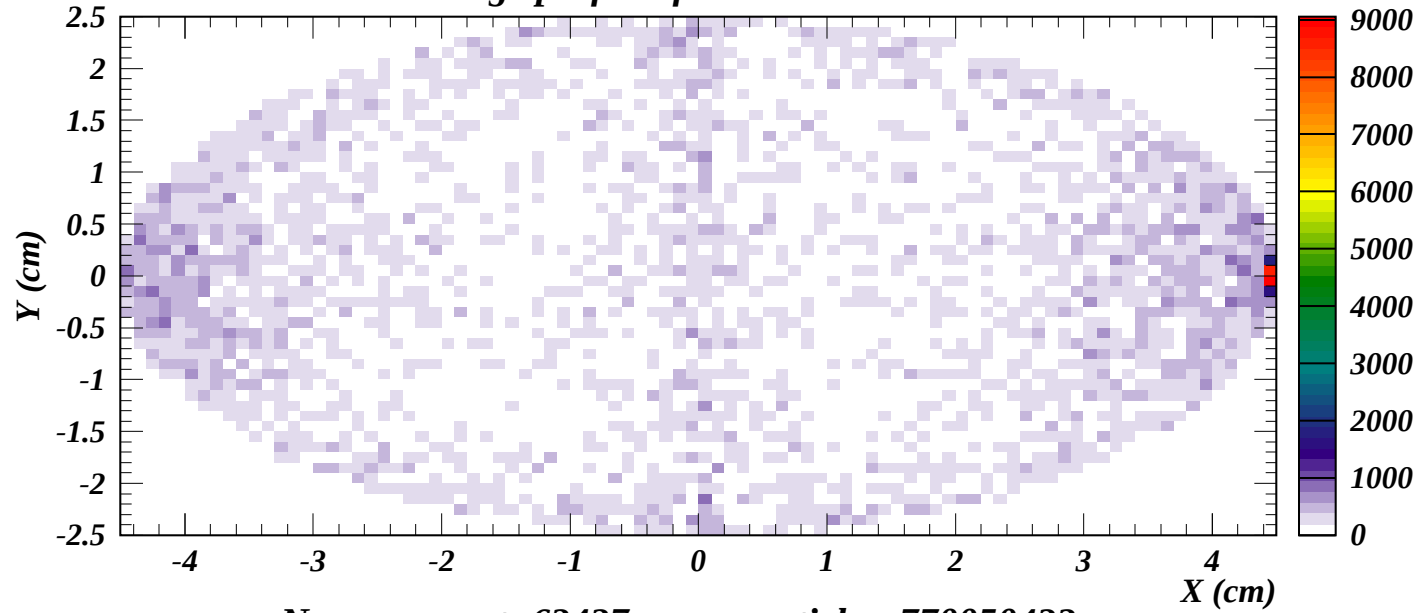


$E_{\text{kin}} > 10 \text{ eV}$: 3920 macroparticles, 181289200 e-

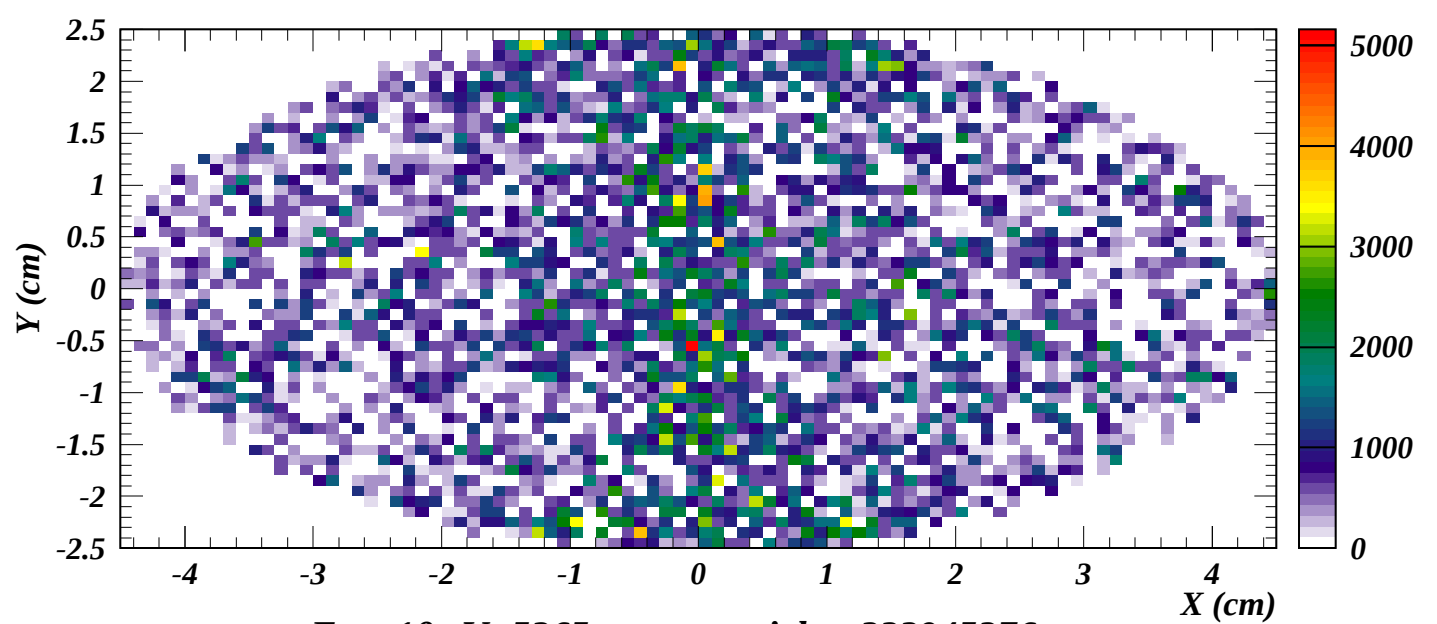
Cloud charge profile after bunch 5 at time = 70 ns*No energy cut: 58965 macroparticles, 691793856 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 4646 macroparticles, 203371936 e-*

09/12/07 11.48
 $\times 10^3$

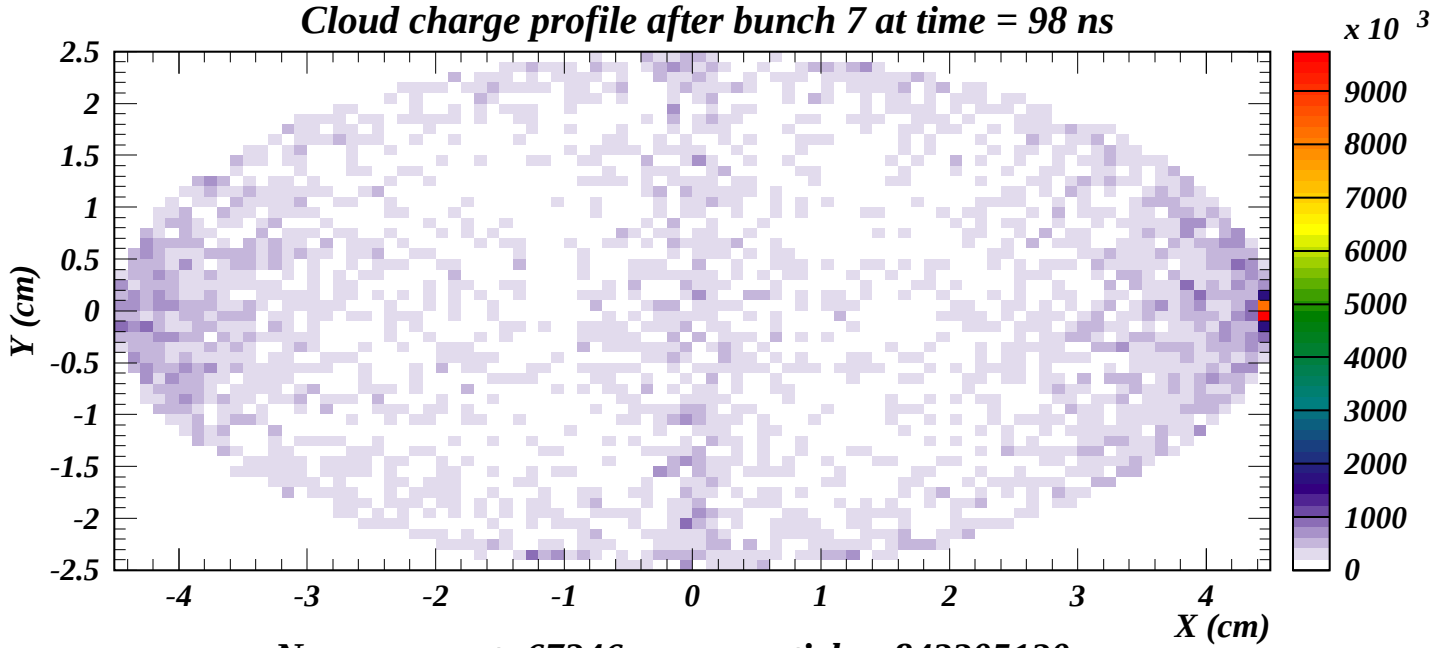
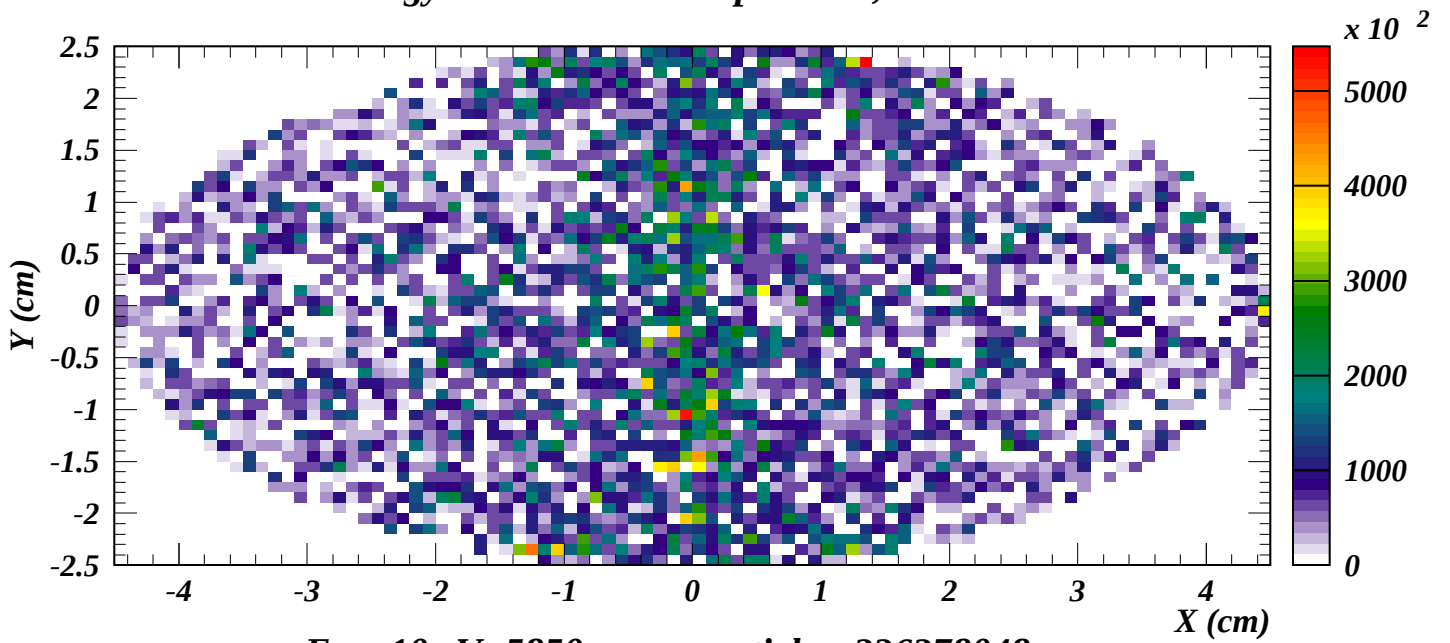
Cloud charge profile after bunch 6 at time = 84 ns

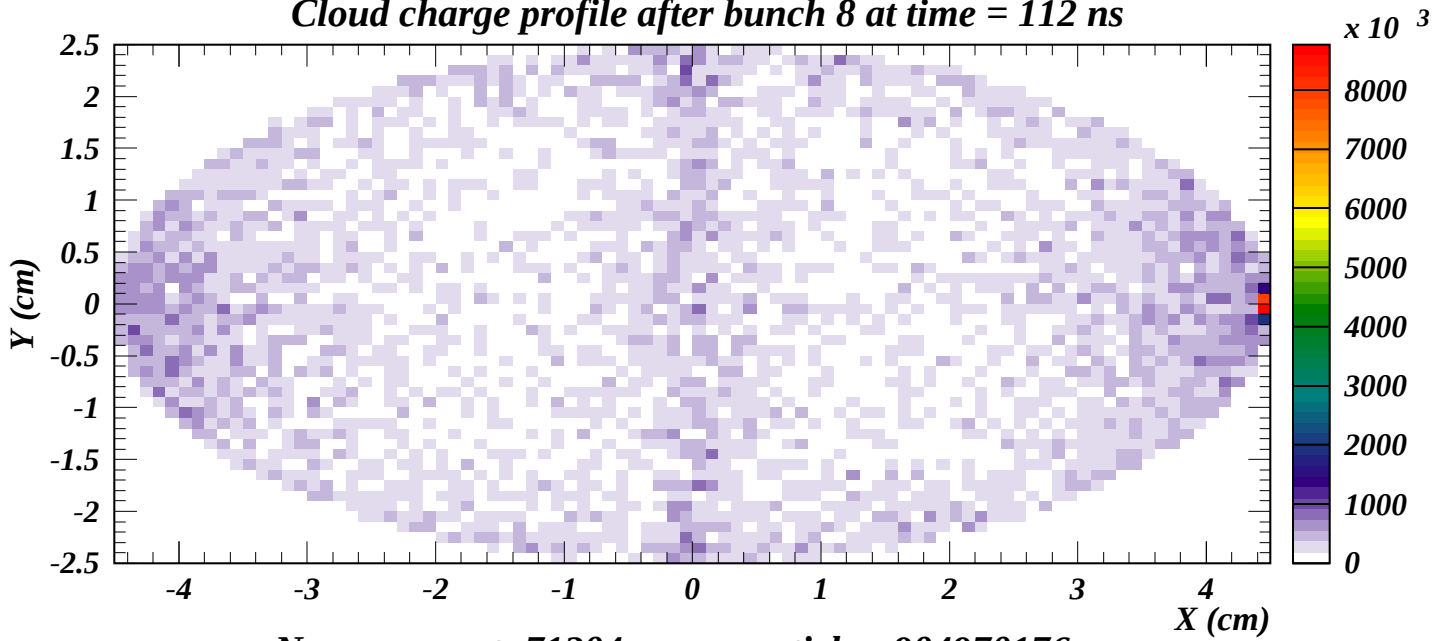
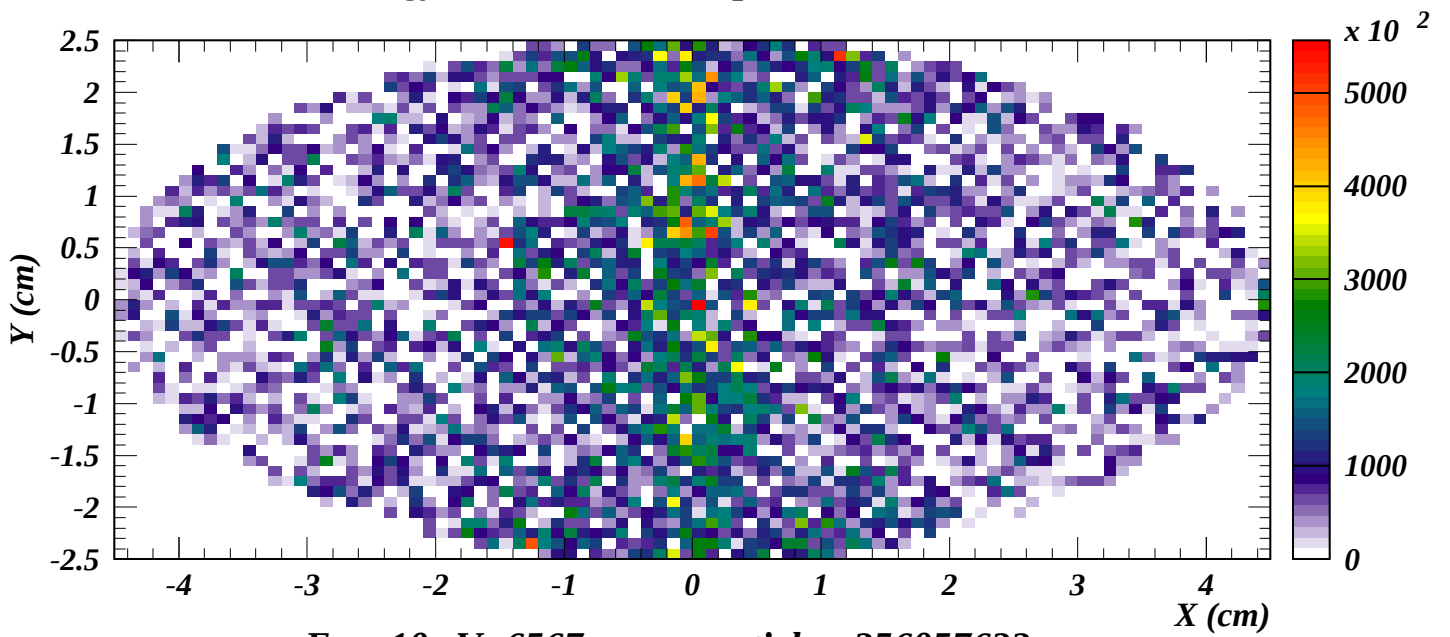


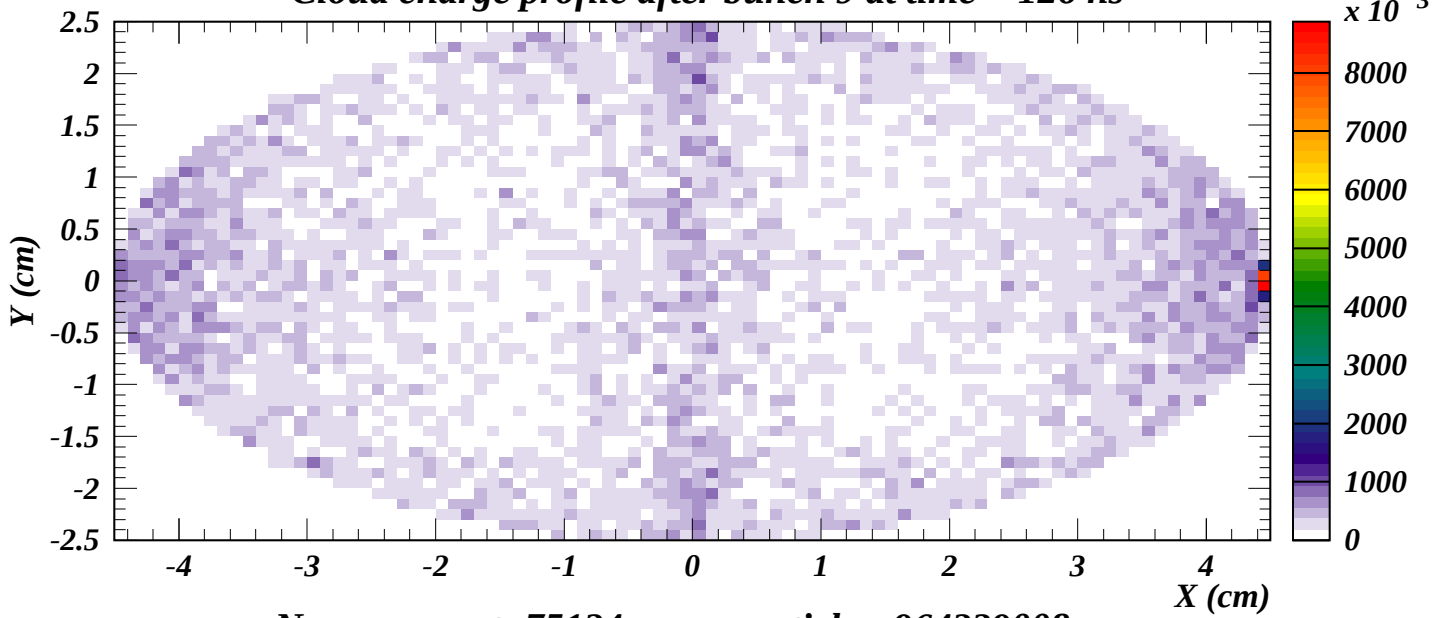
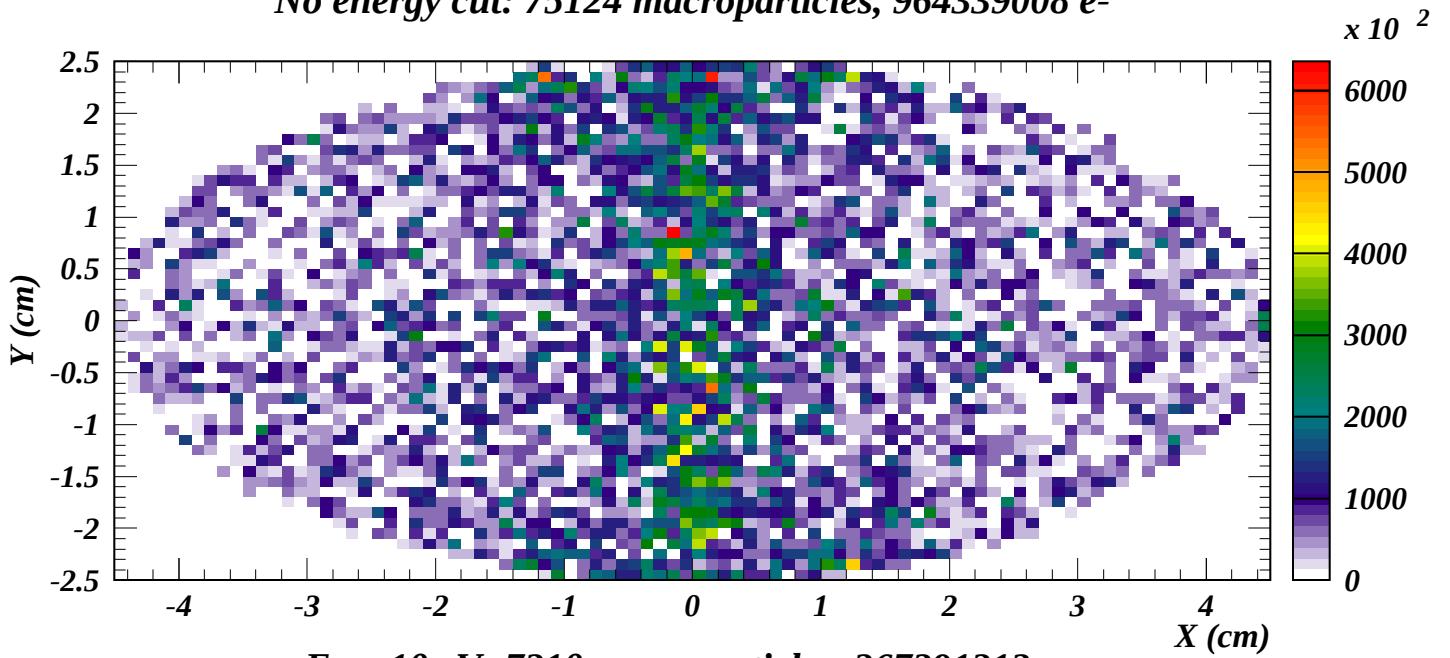
No energy cut: 63427 macroparticles, 770050432 e⁻

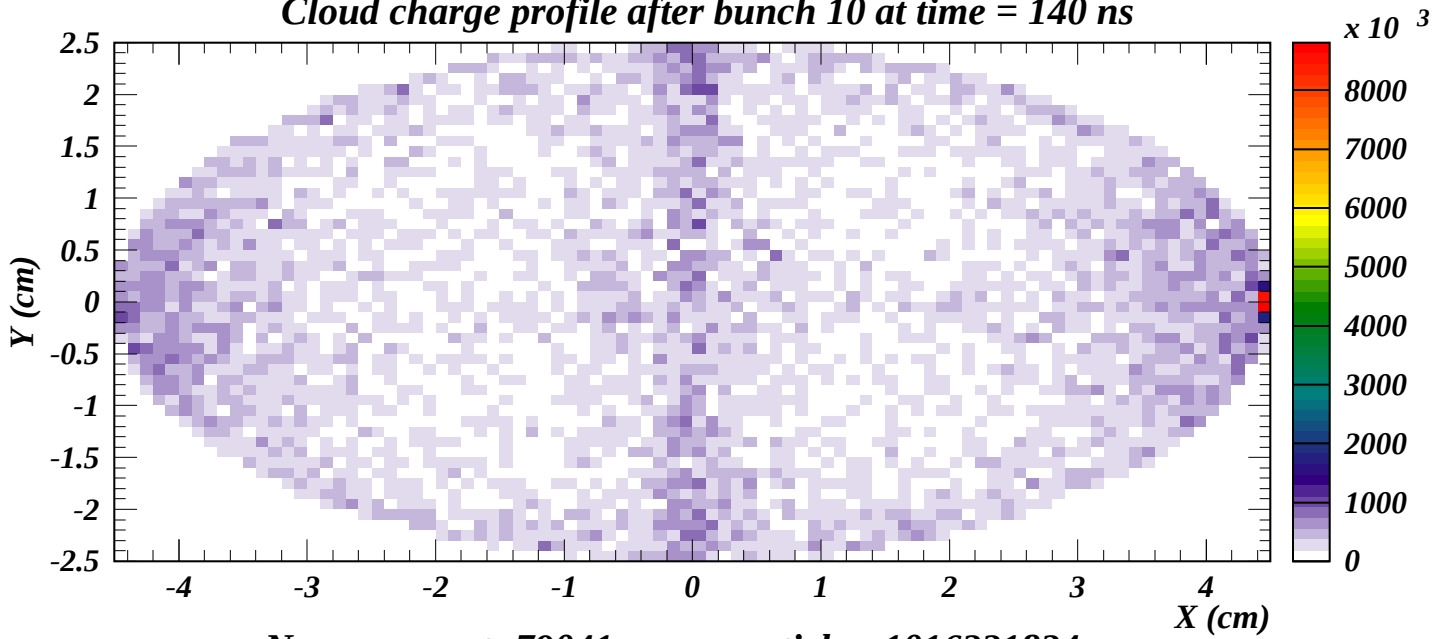
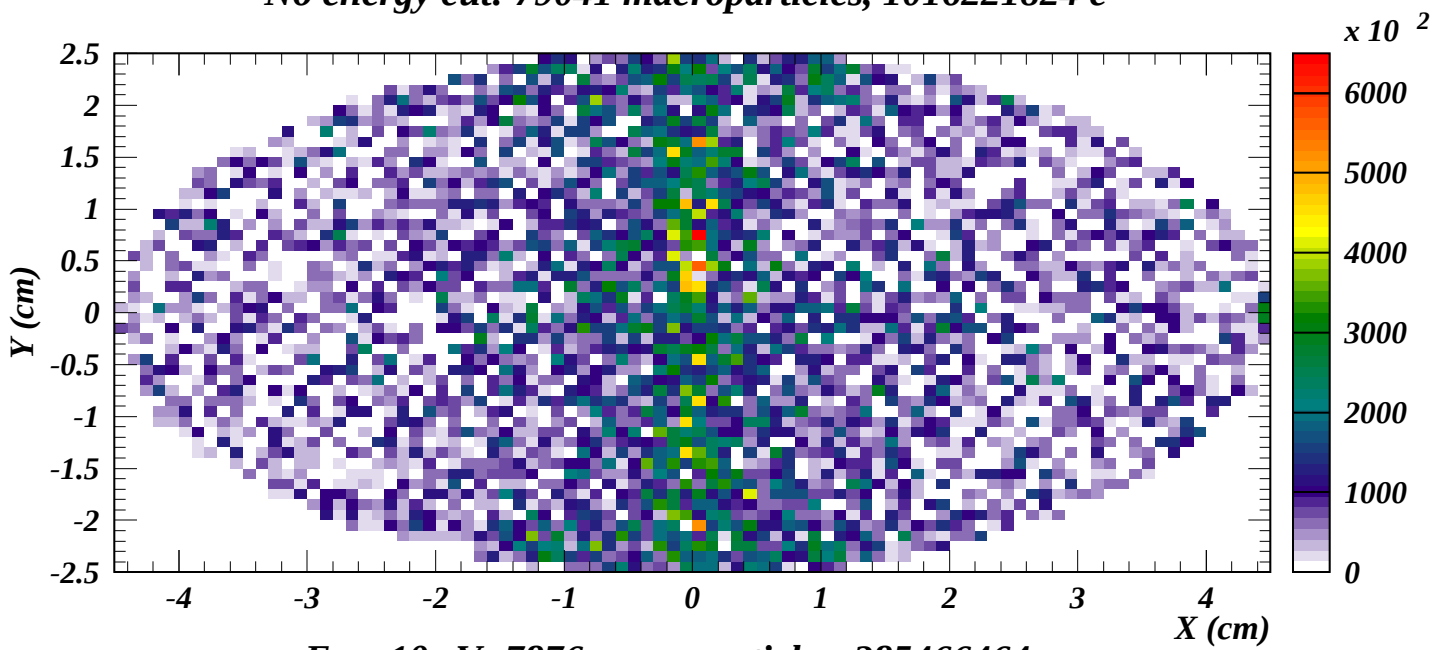


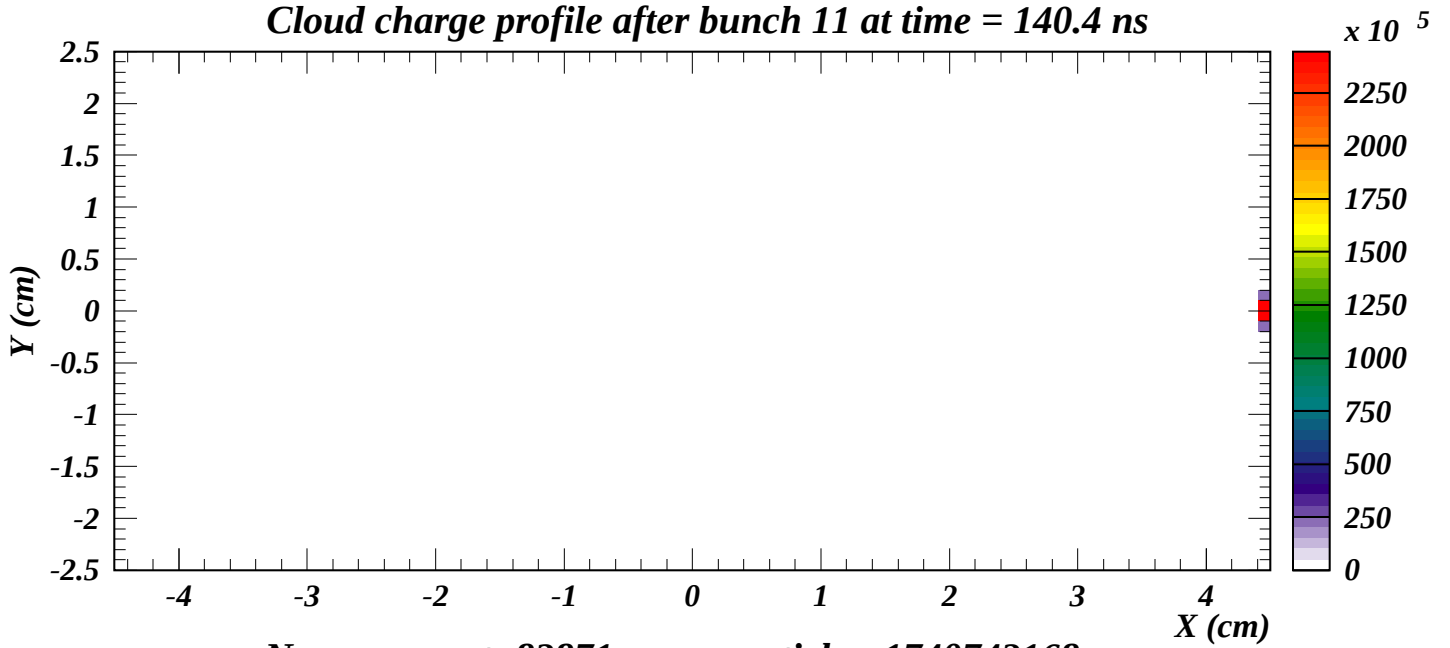
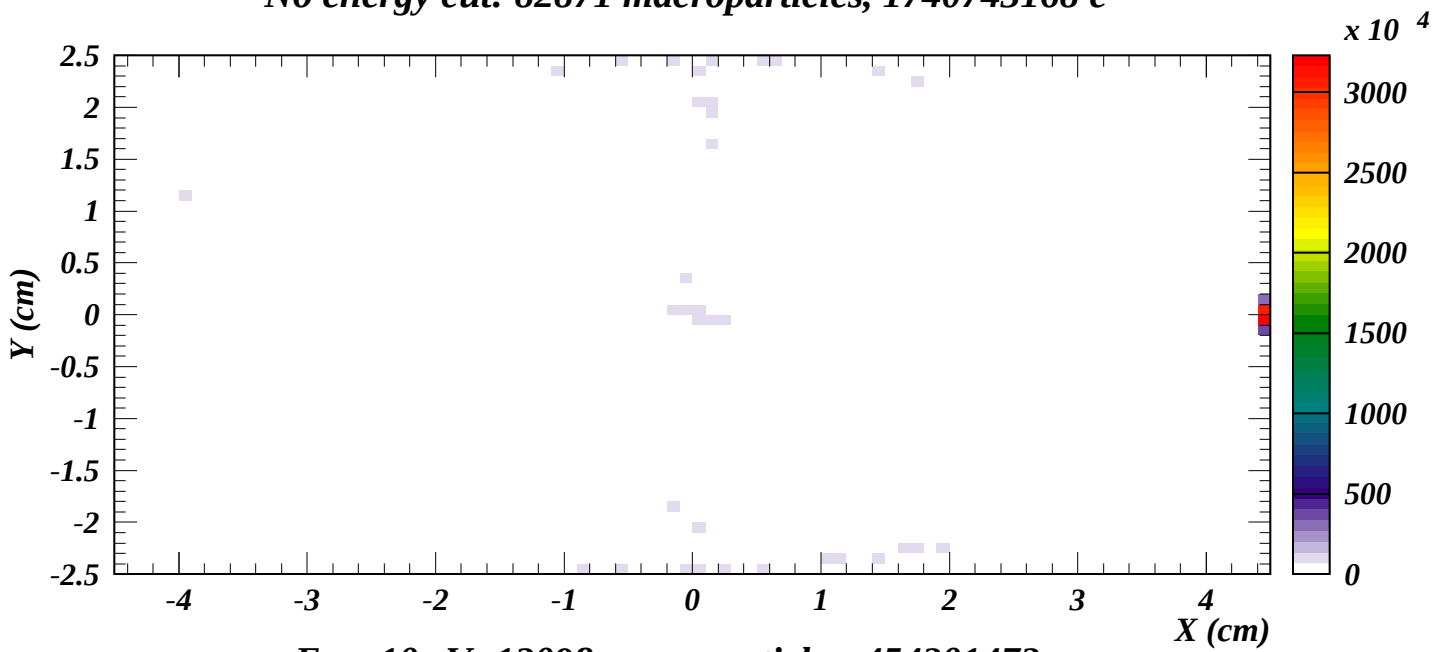
$E_{kin} > 10$ eV: 5265 macroparticles, 222945376 e⁻

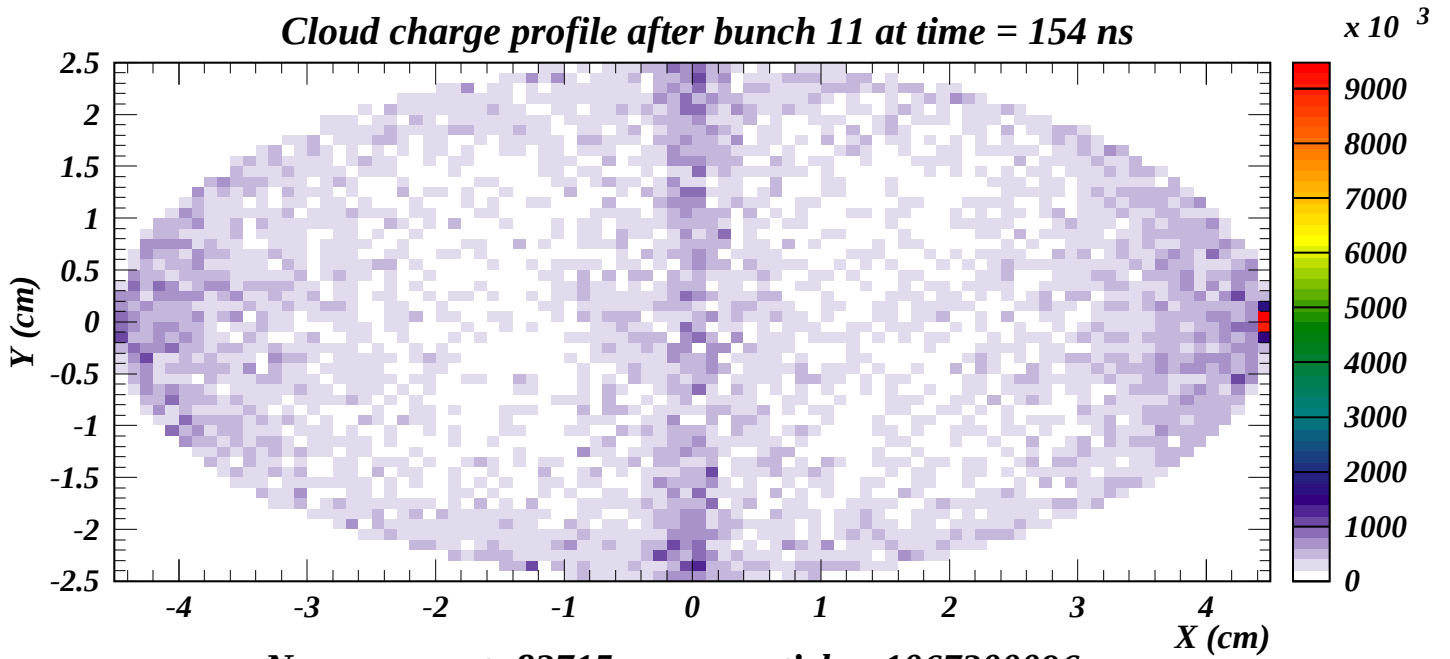
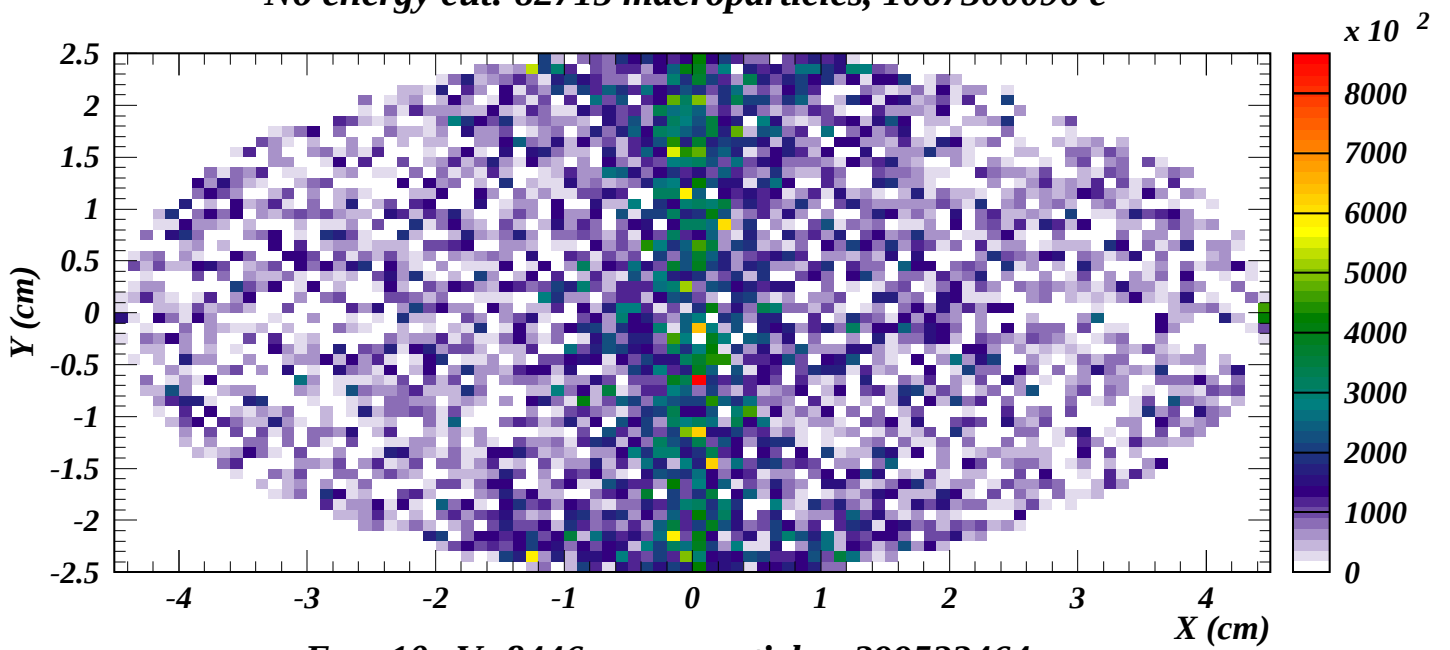
Cloud charge profile after bunch 7 at time = 98 ns*No energy cut: 67346 macroparticles, 842205120 e-* *$E_{\text{kin}} > 10$ eV: 5850 macroparticles, 236378048 e-*

Cloud charge profile after bunch 8 at time = 112 ns*No energy cut: 71204 macroparticles, 904970176 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 6567 macroparticles, 256057632 e-*

Cloud charge profile after bunch 9 at time = 126 ns*No energy cut: 75124 macroparticles, 964339008 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 7210 macroparticles, 267391312 e-*

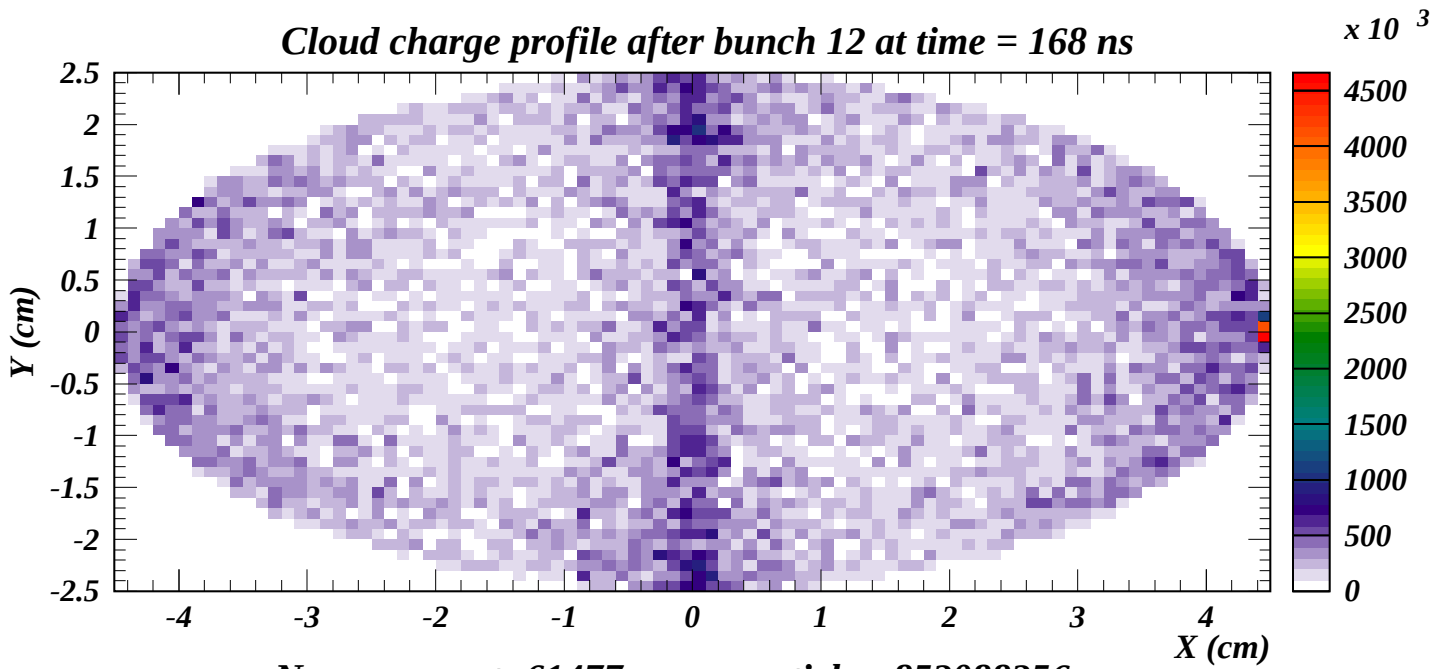
Cloud charge profile after bunch 10 at time = 140 ns*No energy cut: 79041 macroparticles, 1016221824 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 7876 macroparticles, 285466464 e-*

Cloud charge profile after bunch 11 at time = 140.4 ns*No energy cut: 82871 macroparticles, 1740743168 e $^-$*  *$E_{kin} > 10 \text{ eV}$: 12098 macroparticles, 454201472 e $^-$*

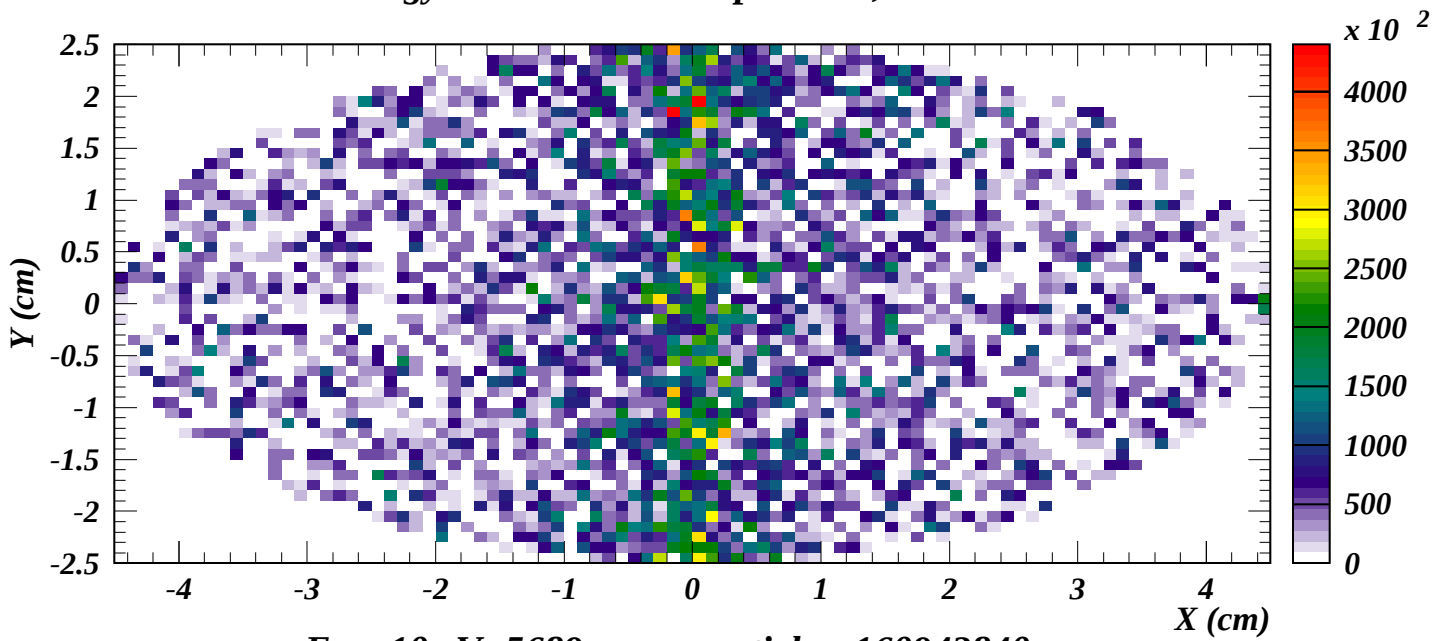
Cloud charge profile after bunch 11 at time = 154 ns*No energy cut: 82715 macroparticles, 1067300096 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 8446 macroparticles, 299522464 e-*

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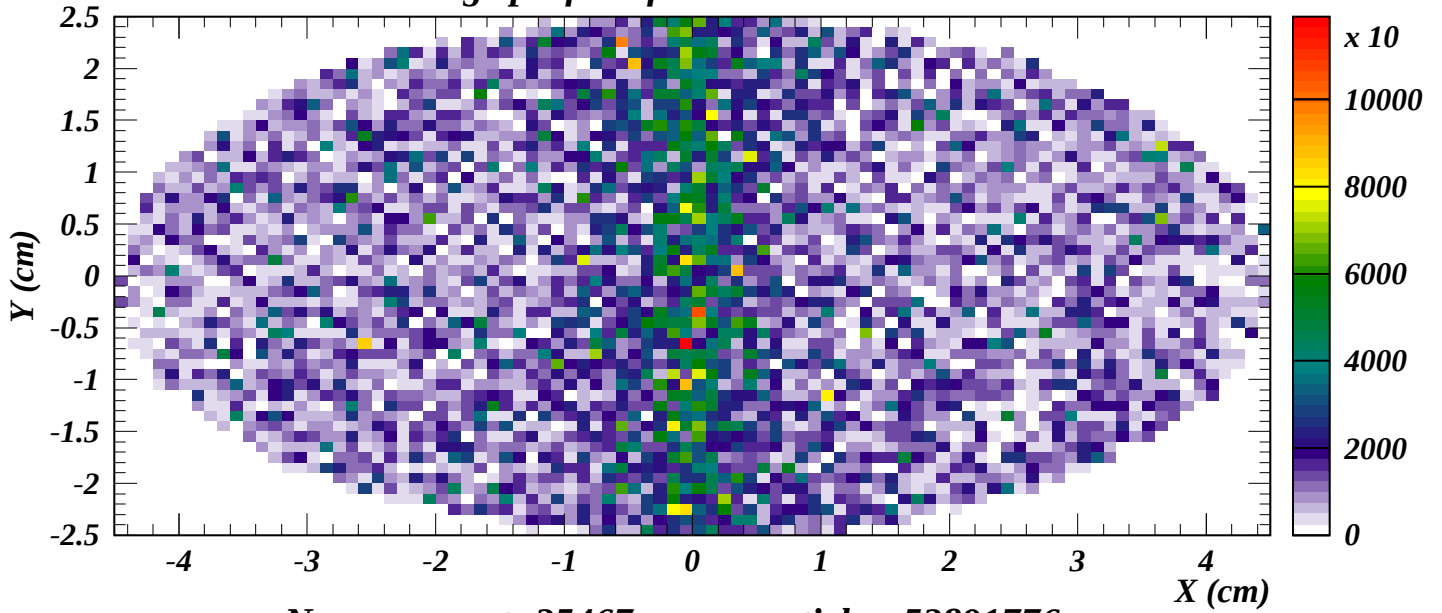
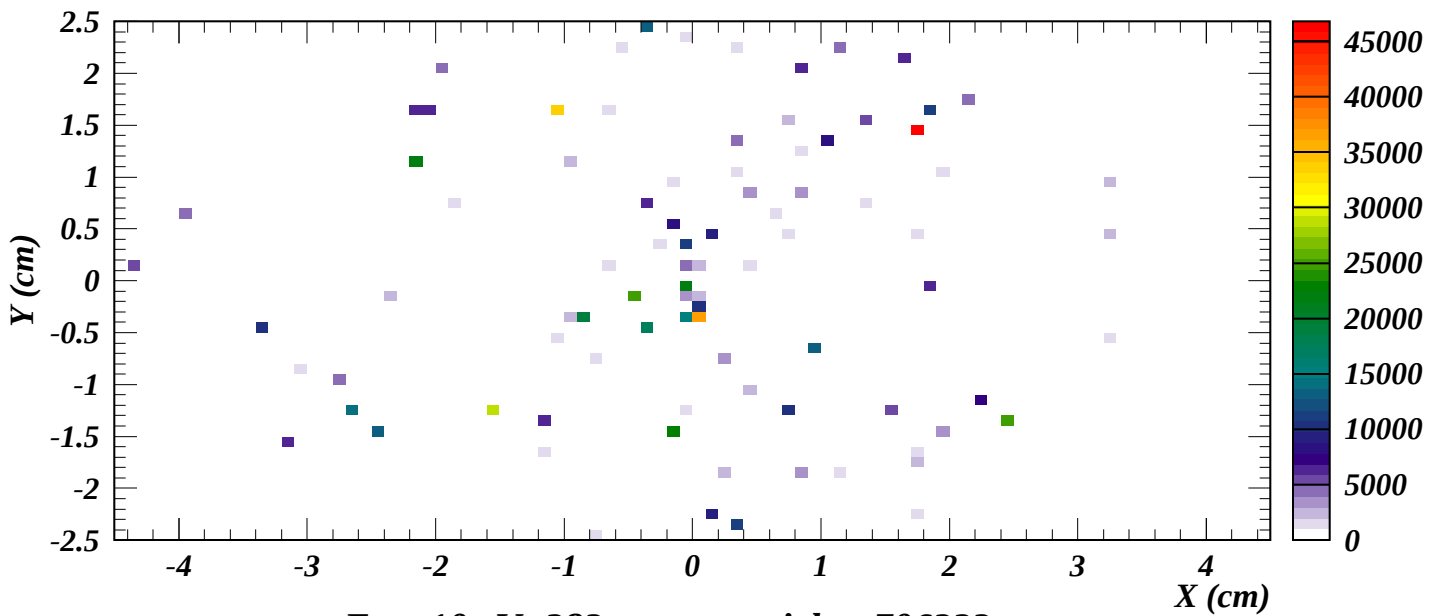
Cloud charge profile after bunch 12 at time = 168 ns

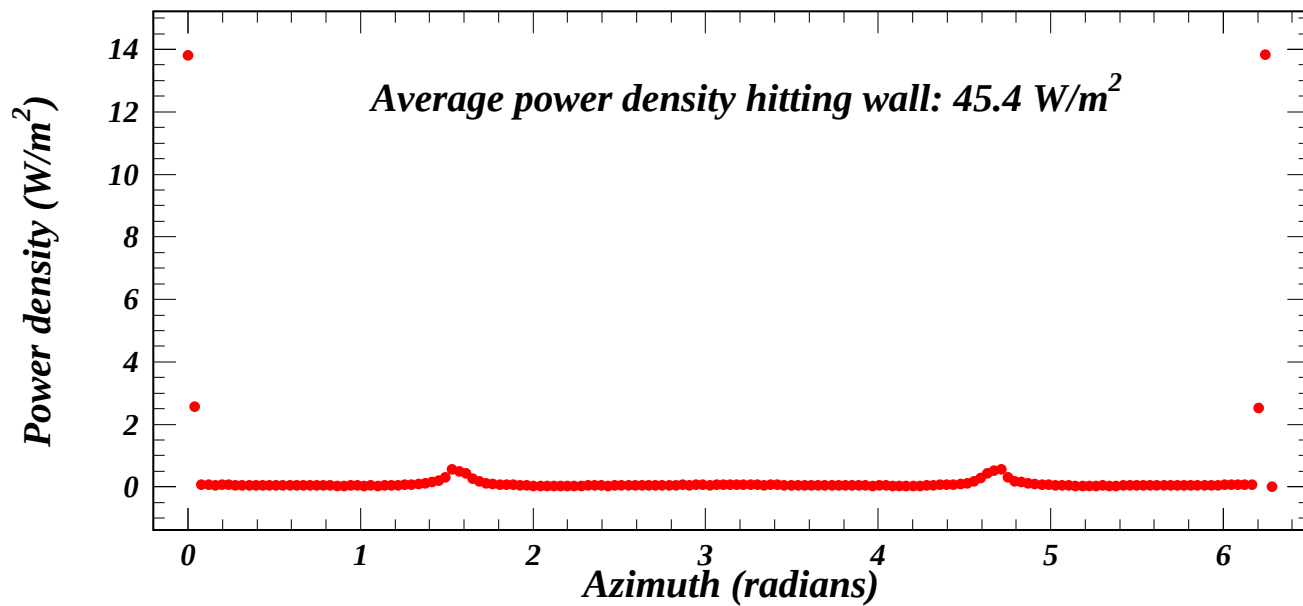
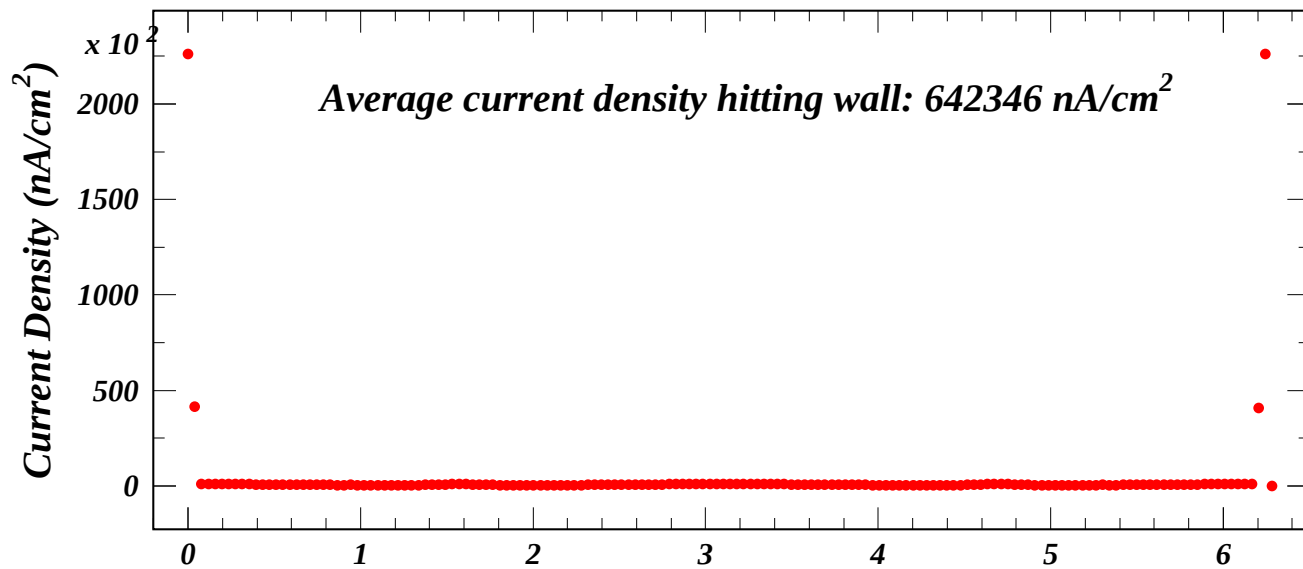


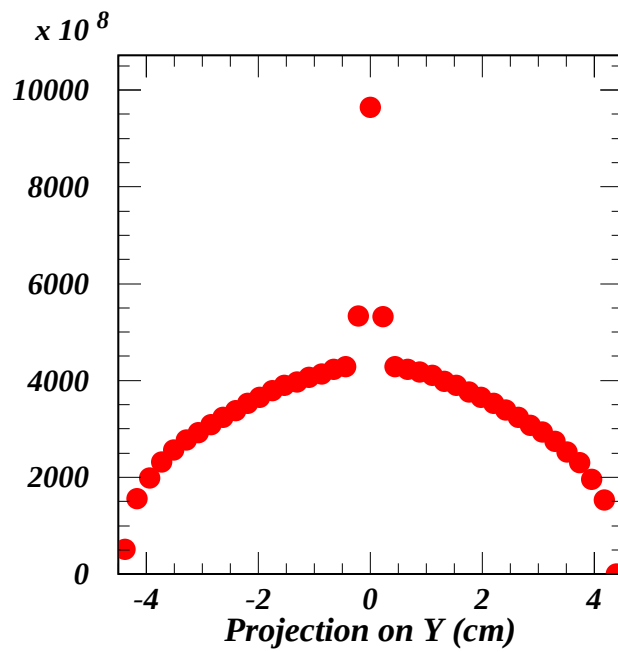
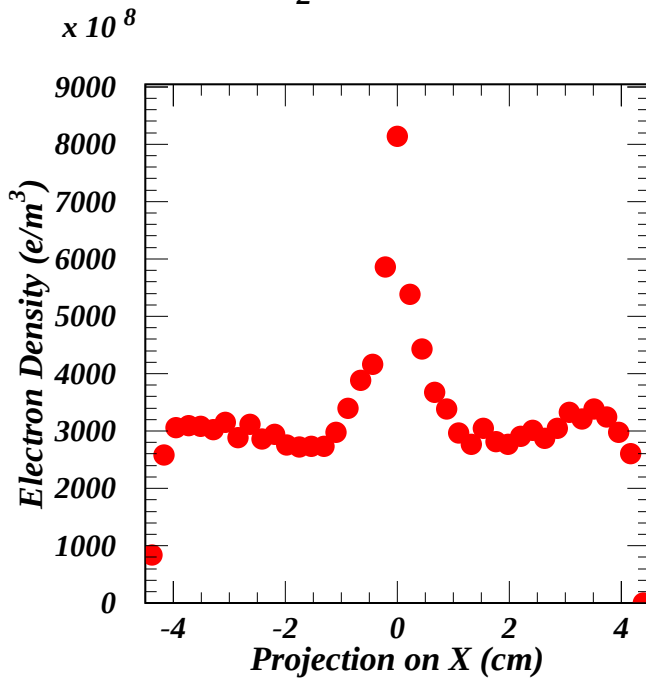
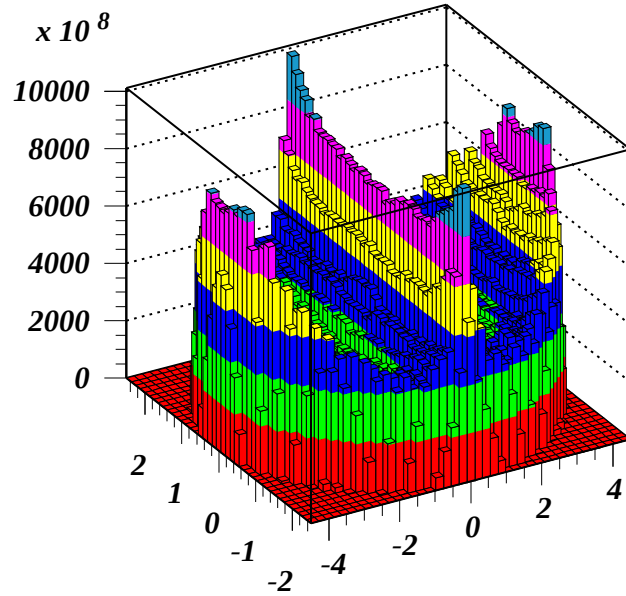
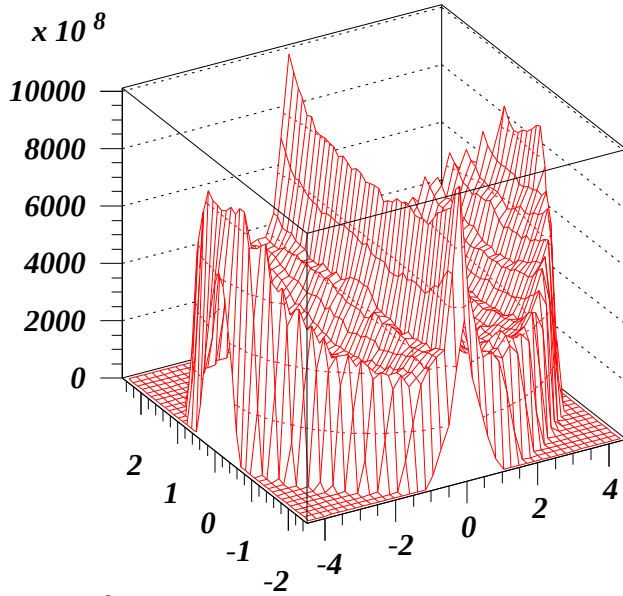
No energy cut: 61477 macroparticles, 852088256 e-



$E_{\text{kin}} > 10 \text{ eV}$: 5689 macroparticles, 160943840 e-

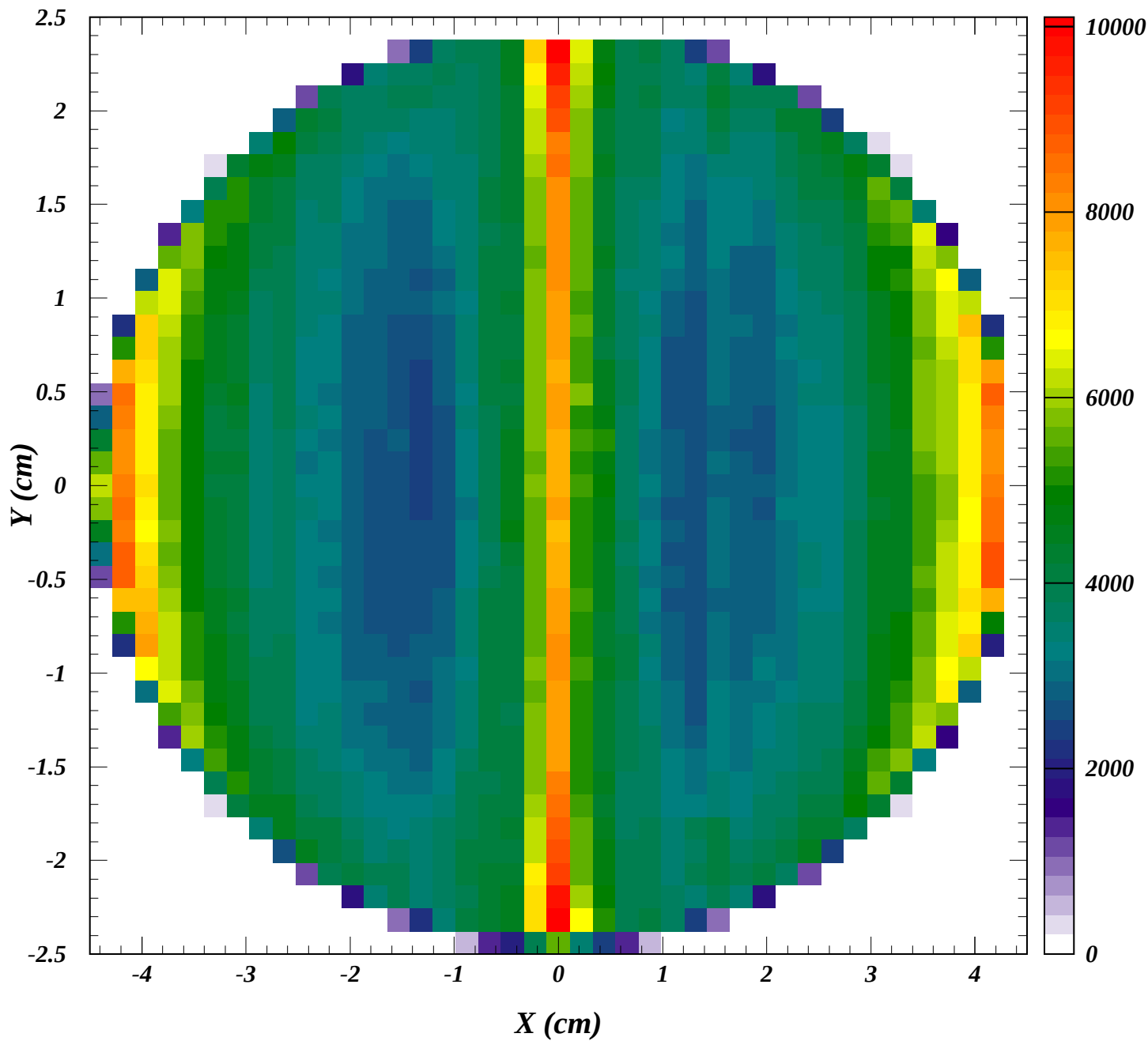
Cloud charge profile after bunch 46 at time = 630 ns*No energy cut: 35467 macroparticles, 52891776 e-* *$E_{kin} > 10$ eV: 283 macroparticles, 706223 e-*

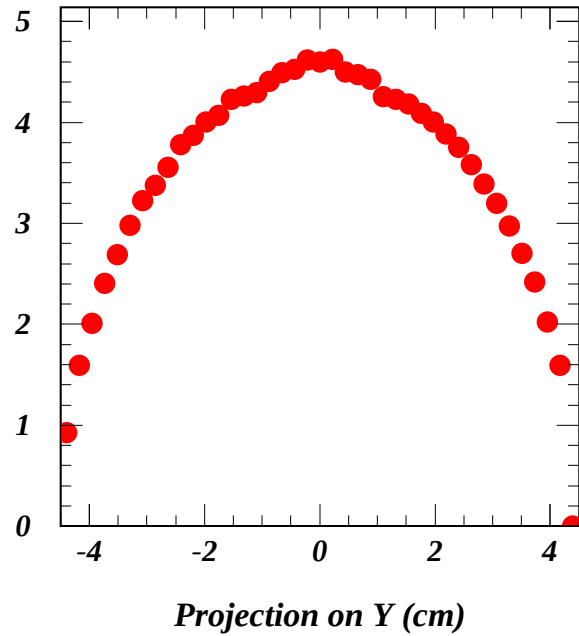
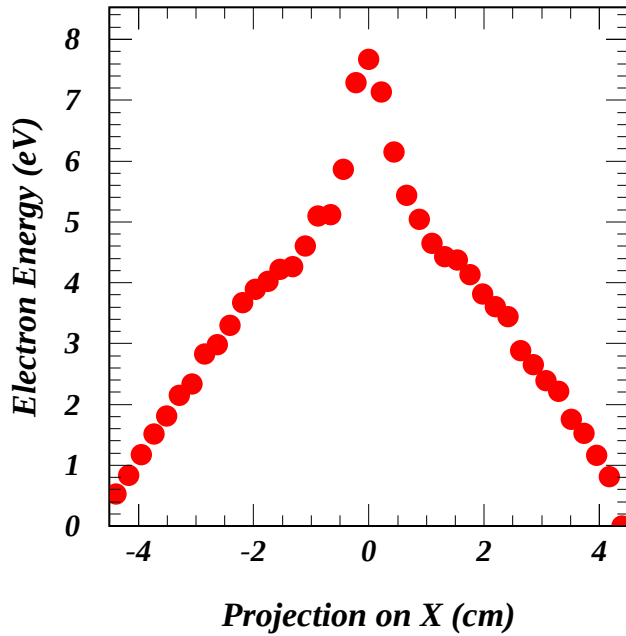
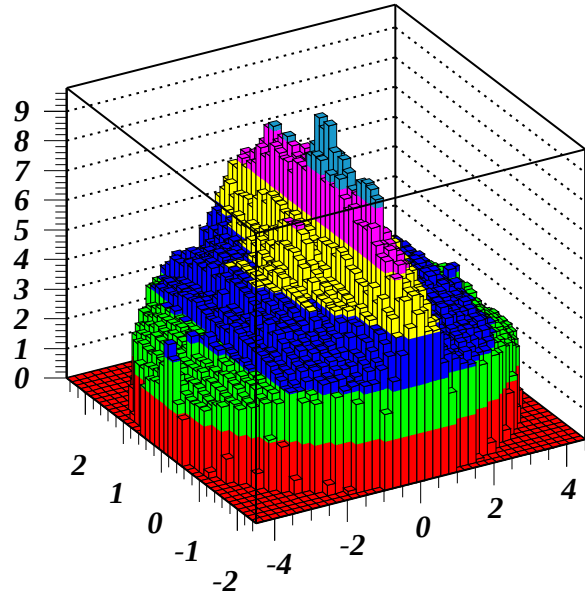
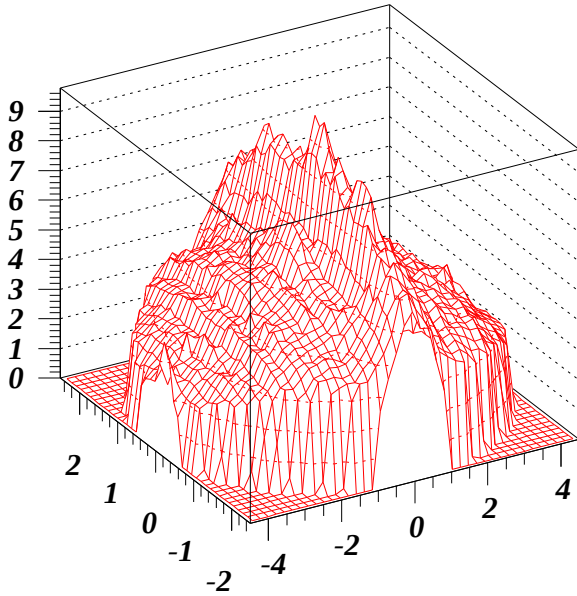


ECLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 643.6 ns

09/12/07 11.49

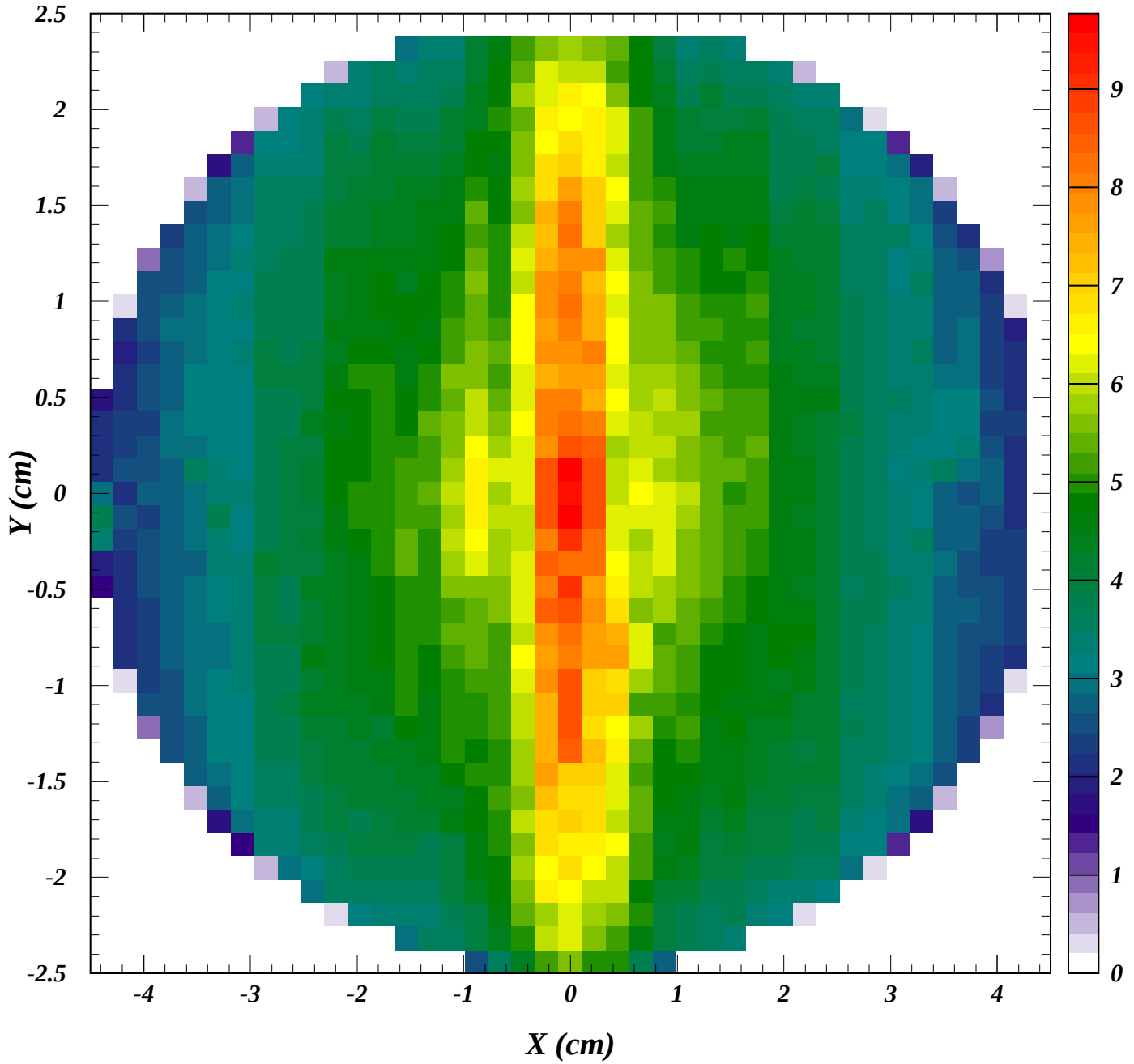
ECLLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 643.6 ns



ECLLOUD-TS0608_SEY20_Epk310: Electron Energies (eV) Averaged Over 643.6 ns

09/12/07 11.49

ECLLOUD-TS0608_SEY20_Epk310: Electron Energies (eV) Averaged Over 643.6 ns



Jobs 14288 to 14288: RFA Collector Currents (nA)