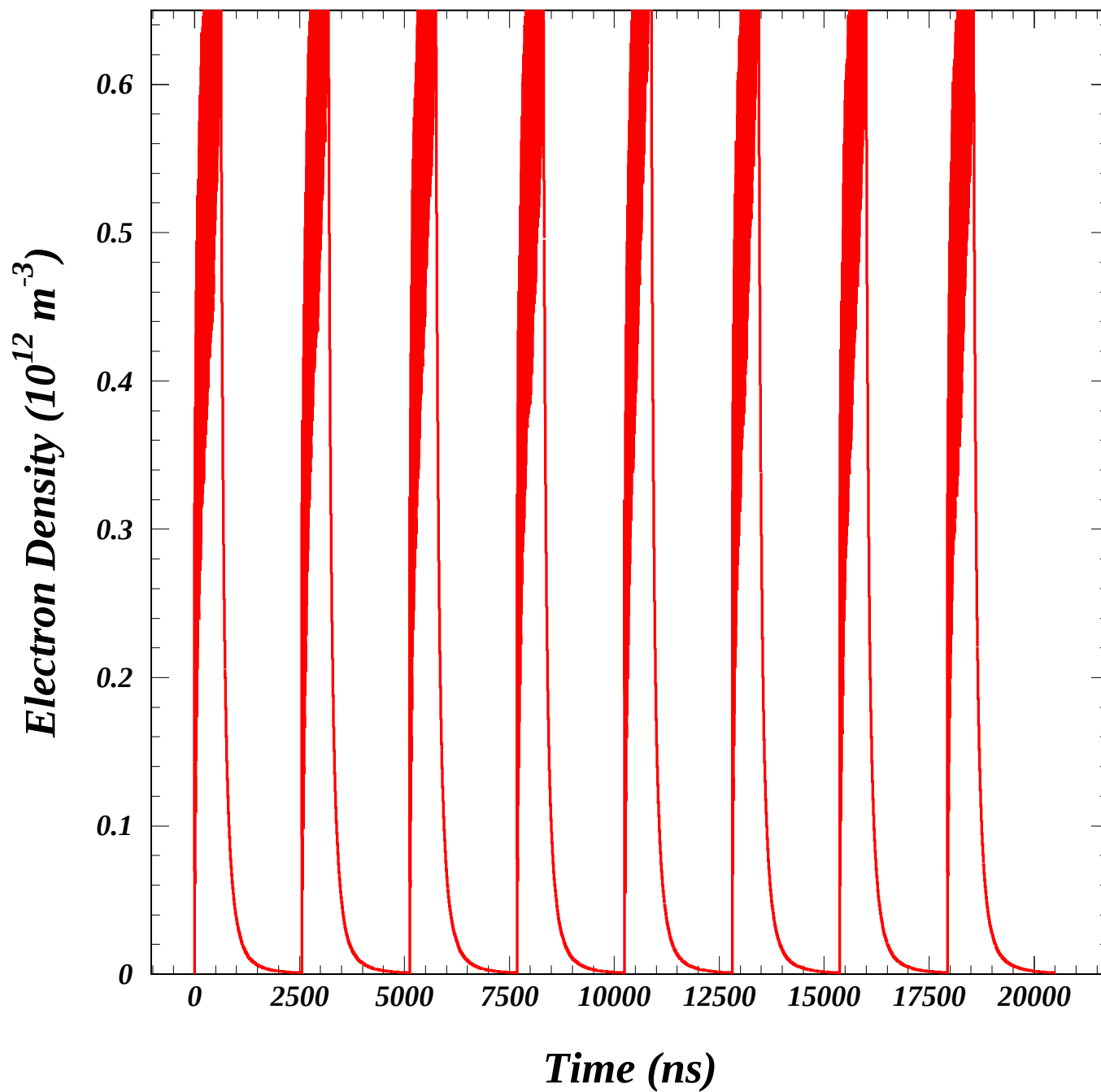
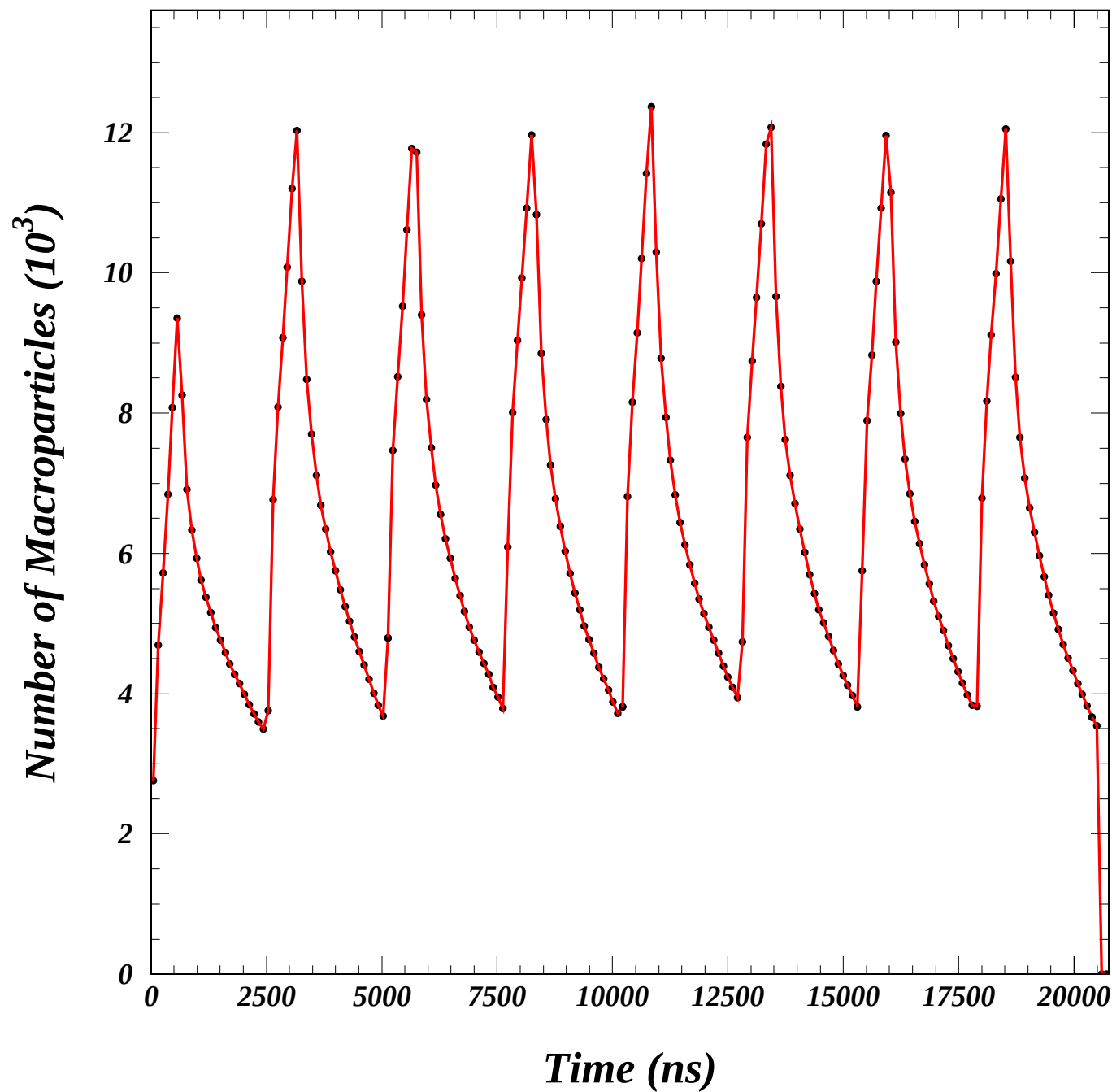
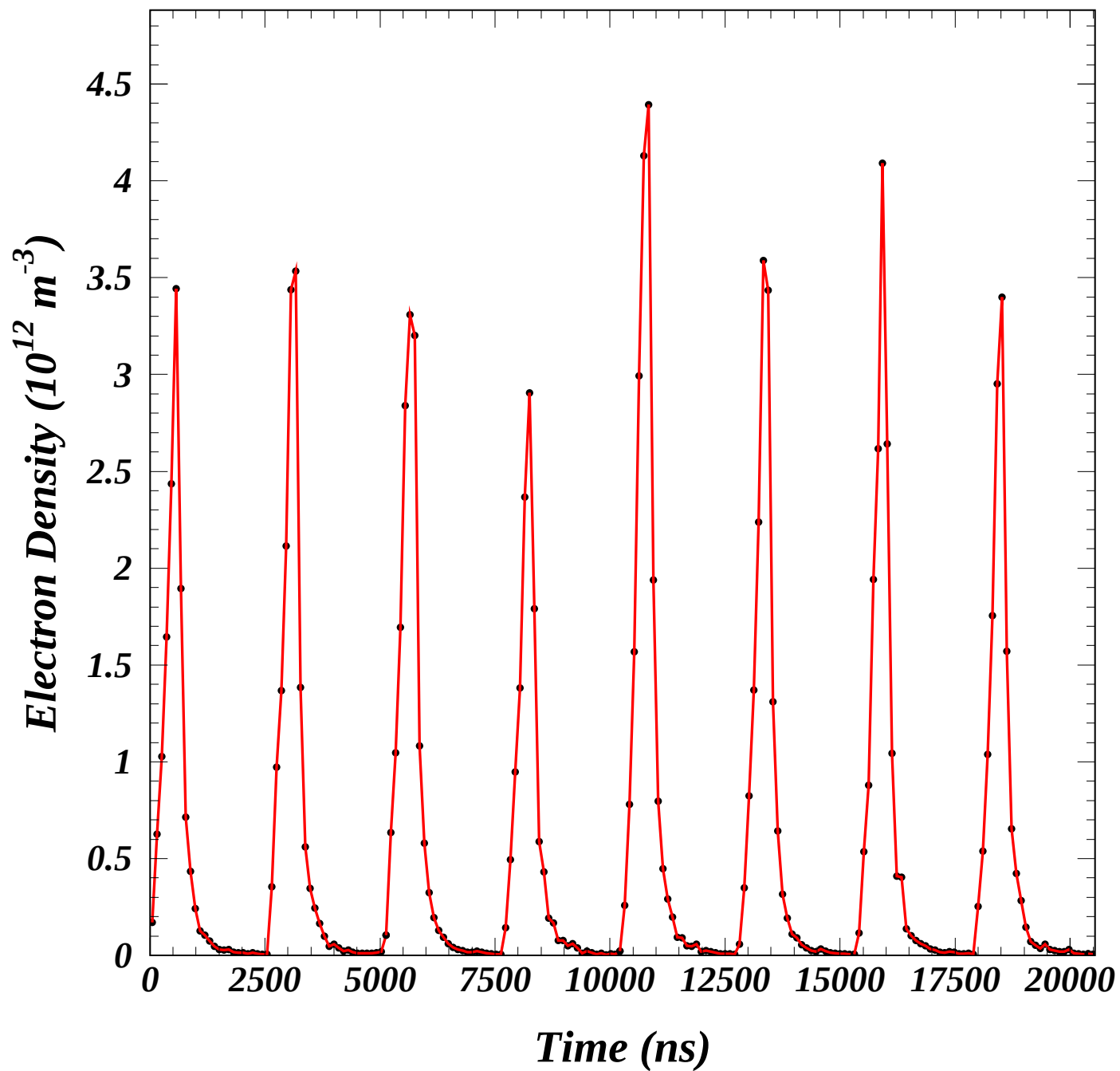


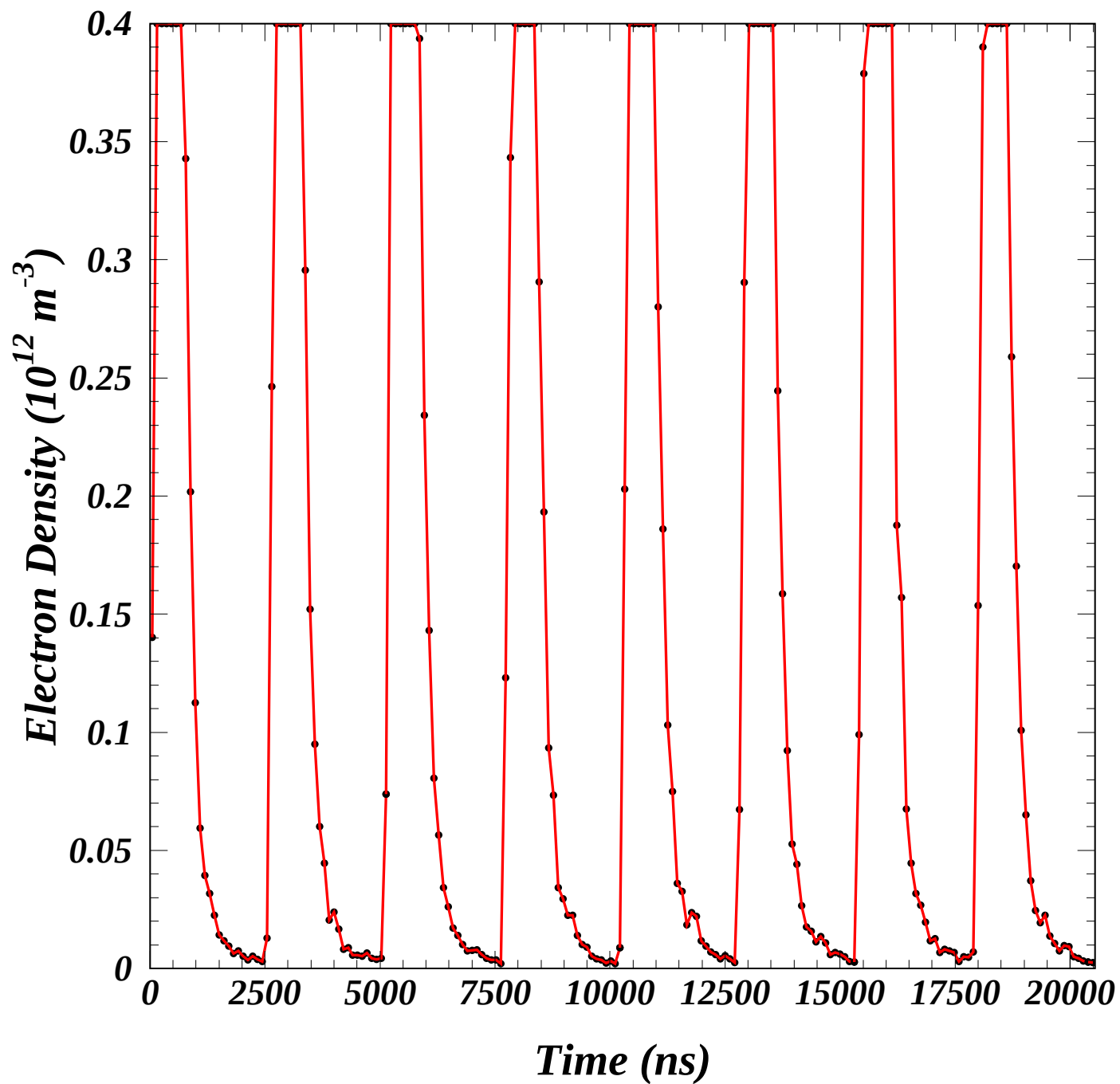
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/03/08 12.41



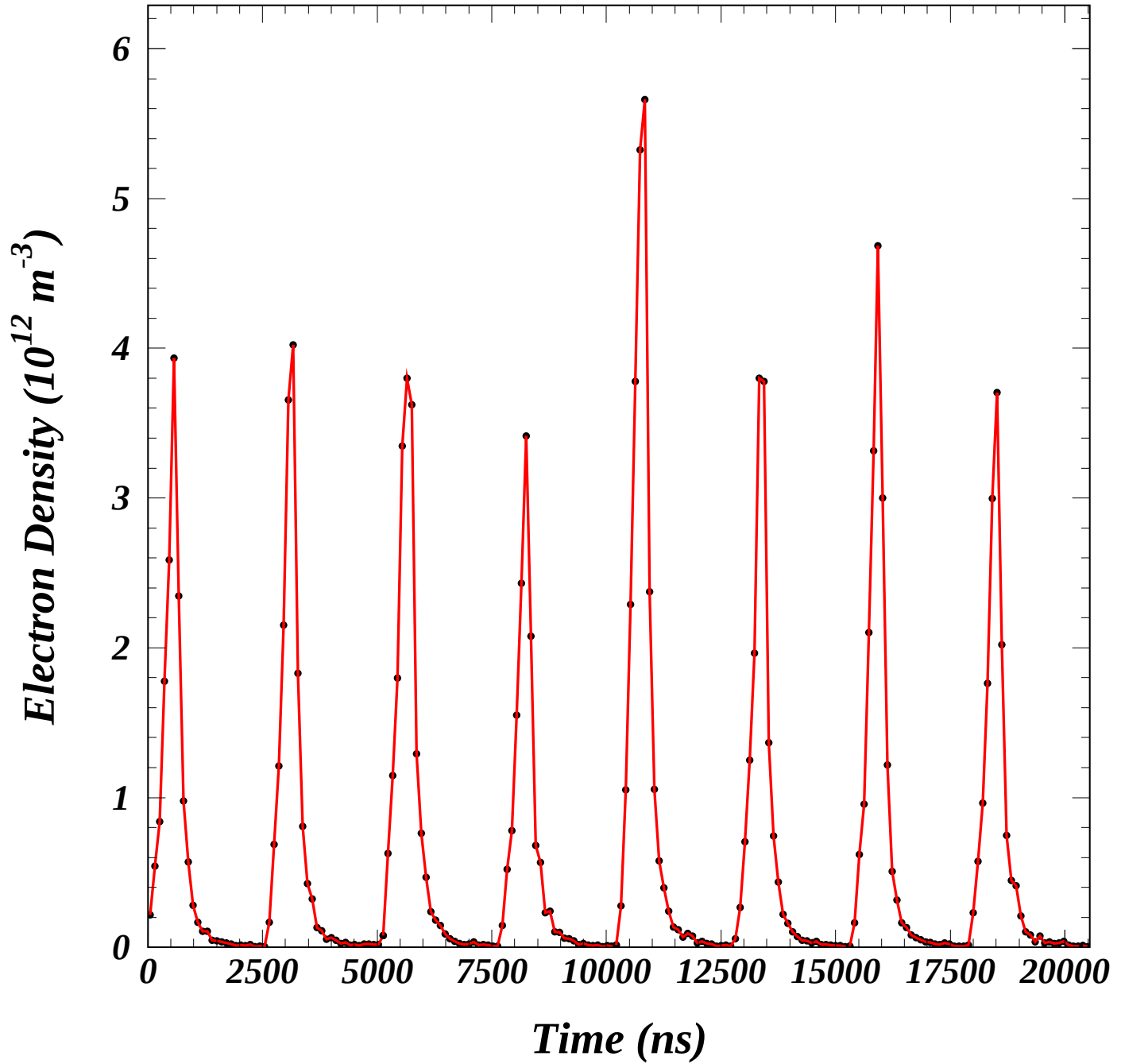
Macroparticle Statistics

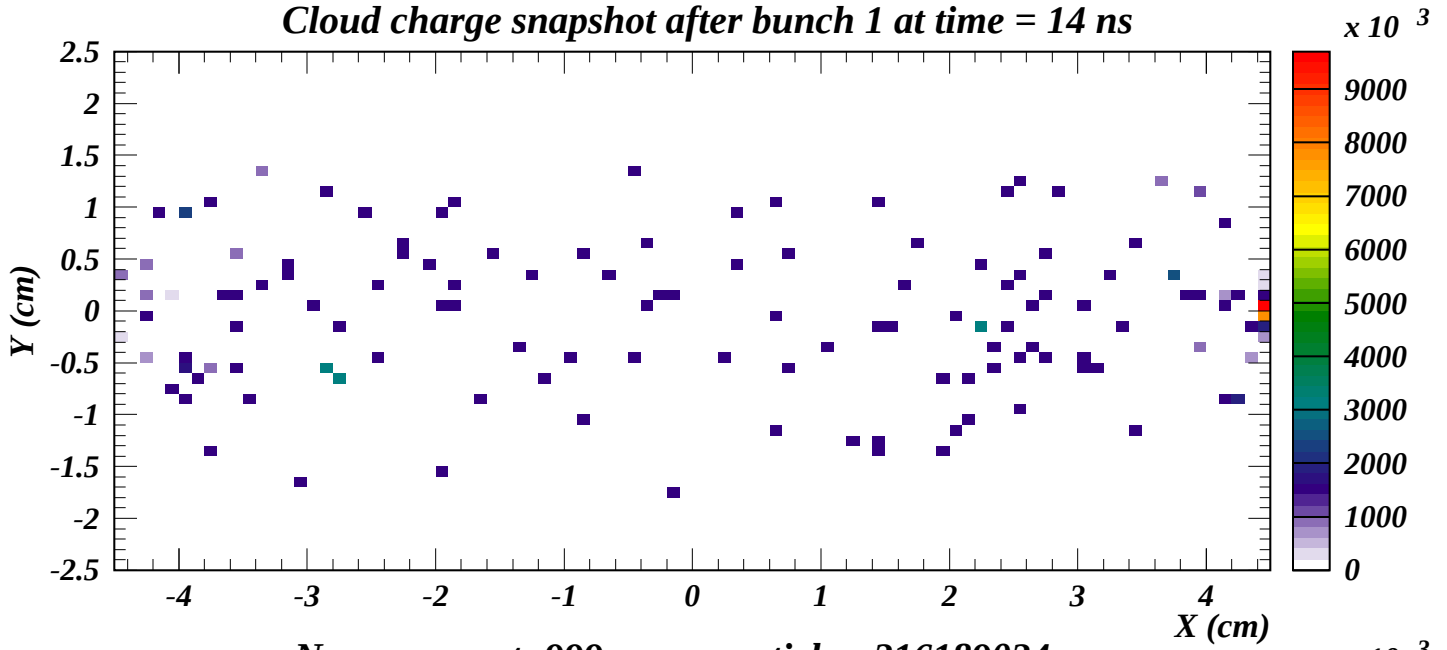
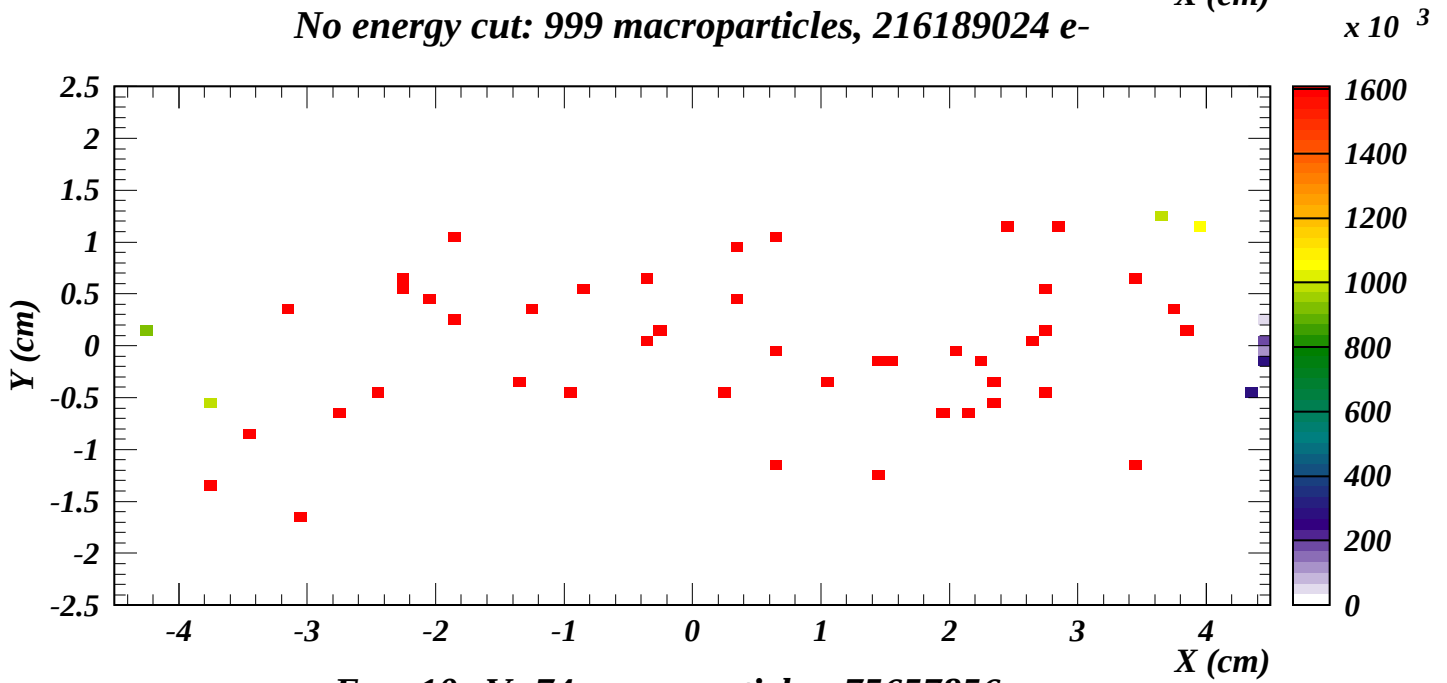


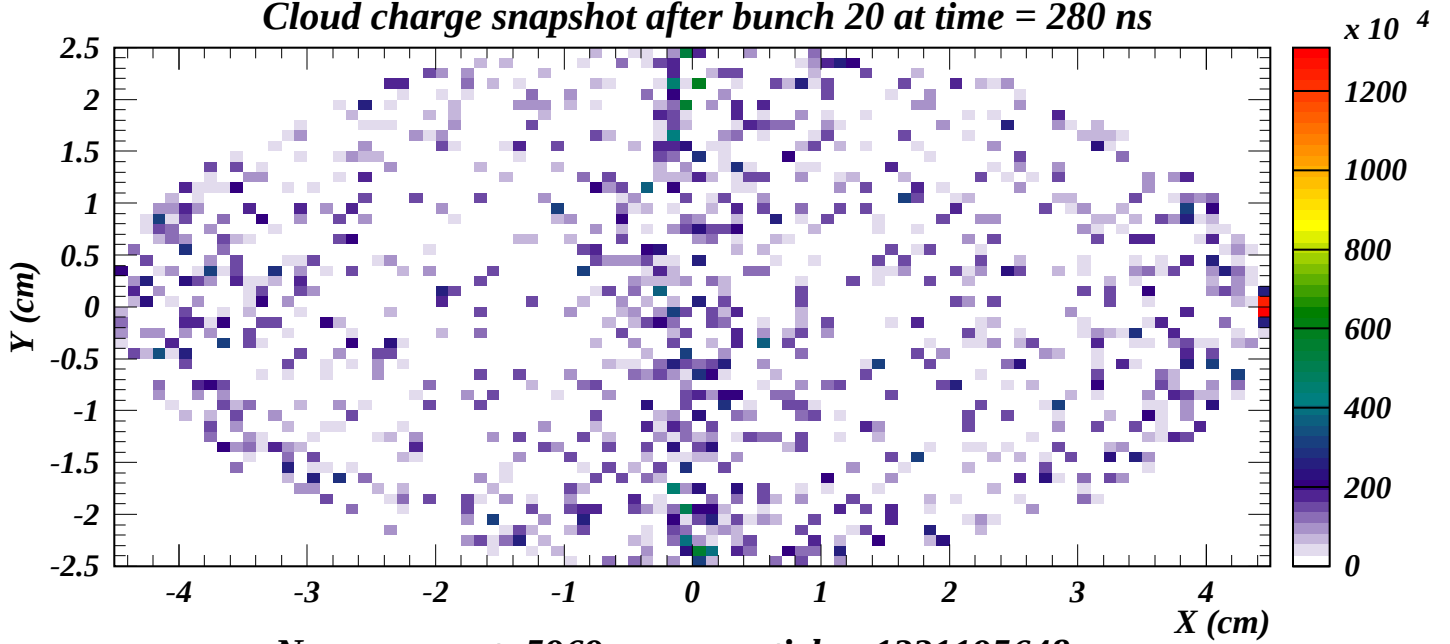
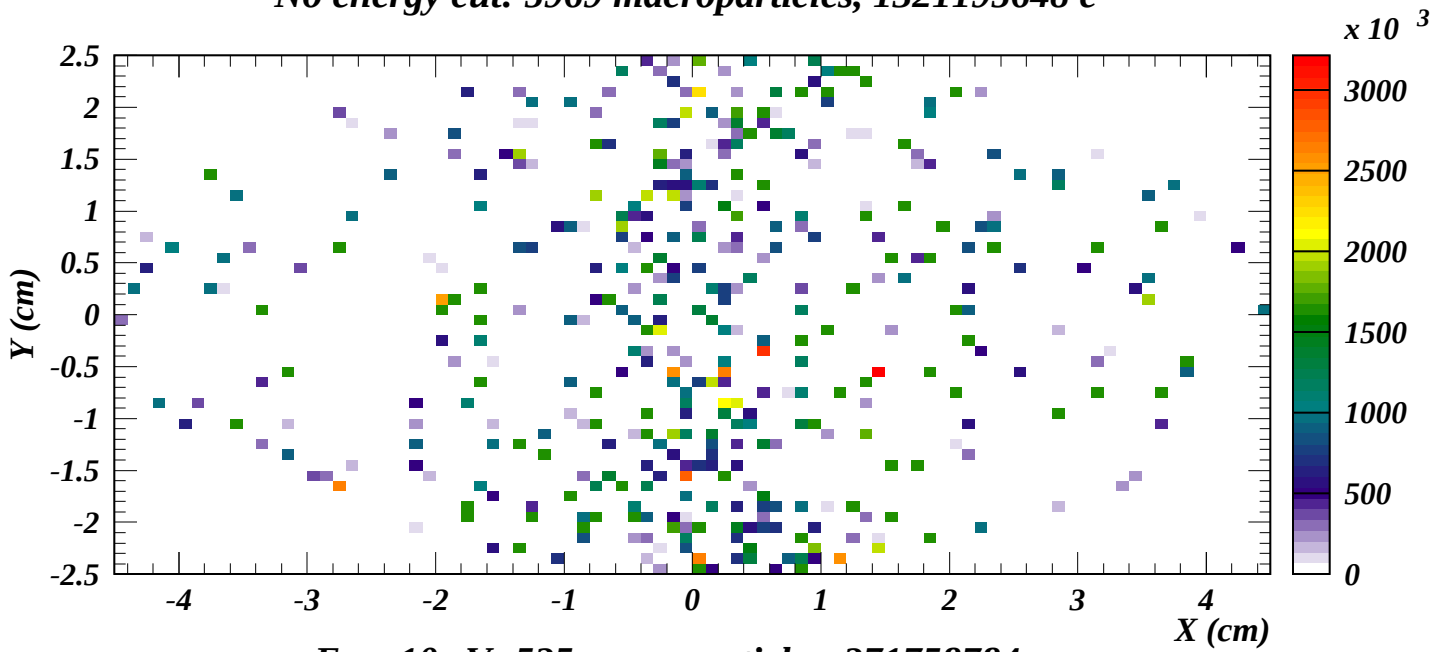
Beam-averaged Cloud Density (10^{12} m^{-3})

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

ECLOUD-TS0608_SEY20_Epk310: Cloud Density in Central Grid Cell (10^{12} m^{-3})

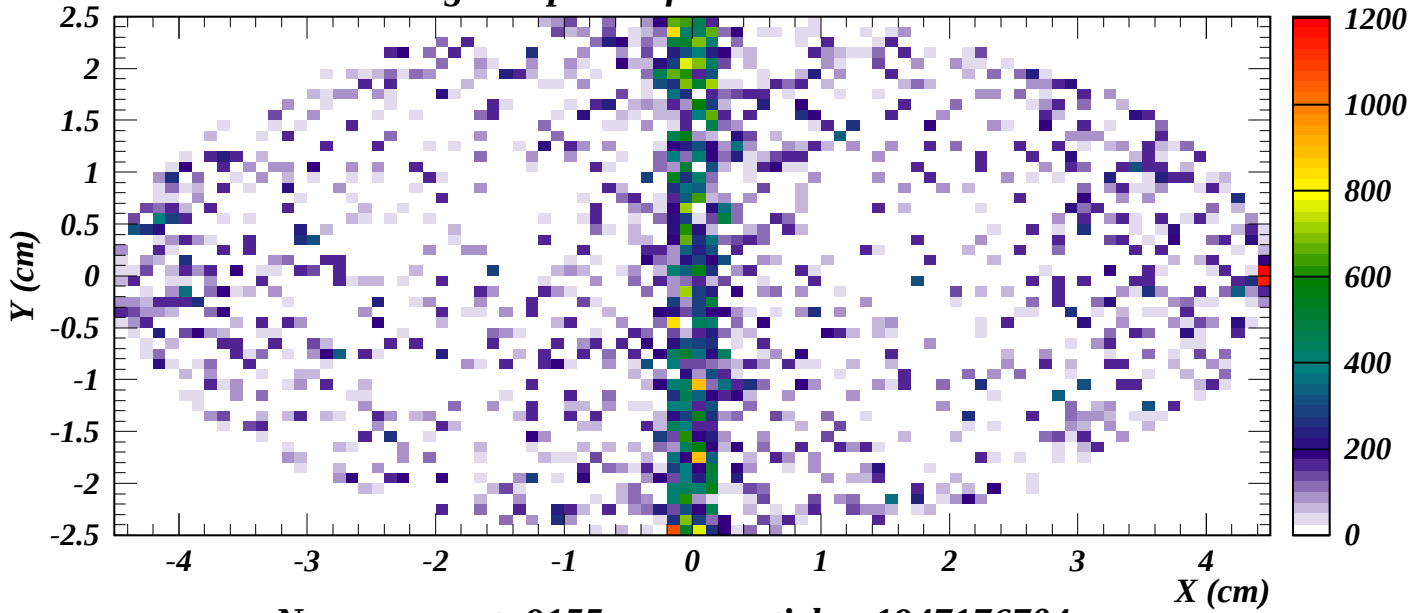


Cloud charge snapshot after bunch 1 at time = 14 ns*No energy cut: 999 macroparticles, 216189024 e-* *$E_{\text{kin}} > 10 \text{ eV}$: 74 macroparticles, 75657856 e-*

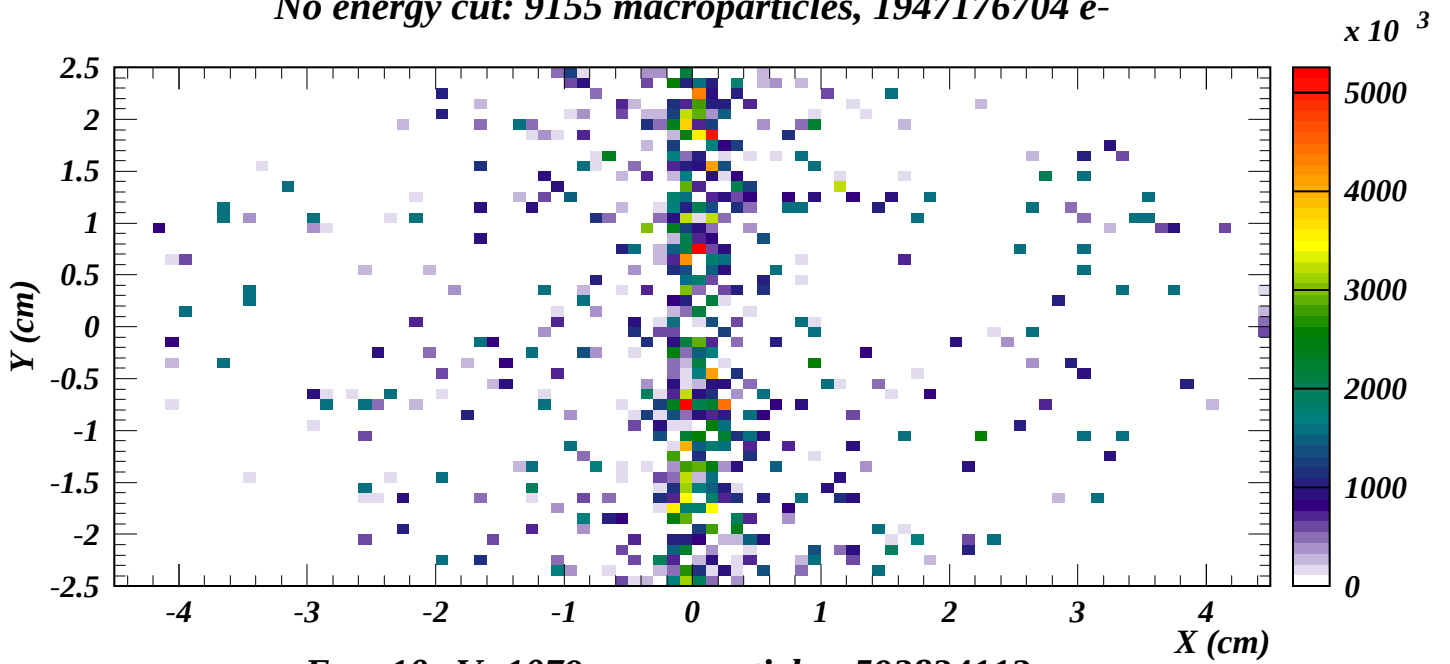
Cloud charge snapshot after bunch 20 at time = 280 ns*No energy cut: 5969 macroparticles, 1321195648 e-* *$E_{kin} > 10$ eV: 525 macroparticles, 371758784 e-*

10/03/08 12.41
 $\times 10^{-4}$

Cloud charge snapshot after bunch 39 at time = 546 ns



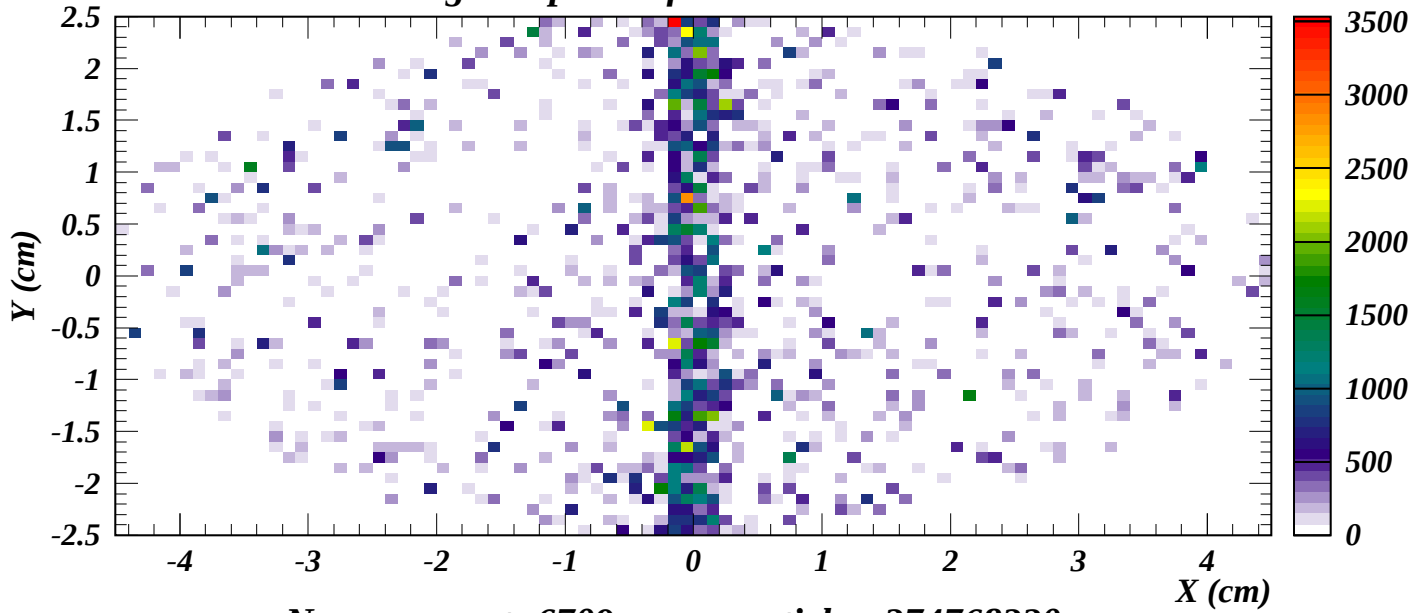
No energy cut: 9155 macroparticles, 1947176704 e-



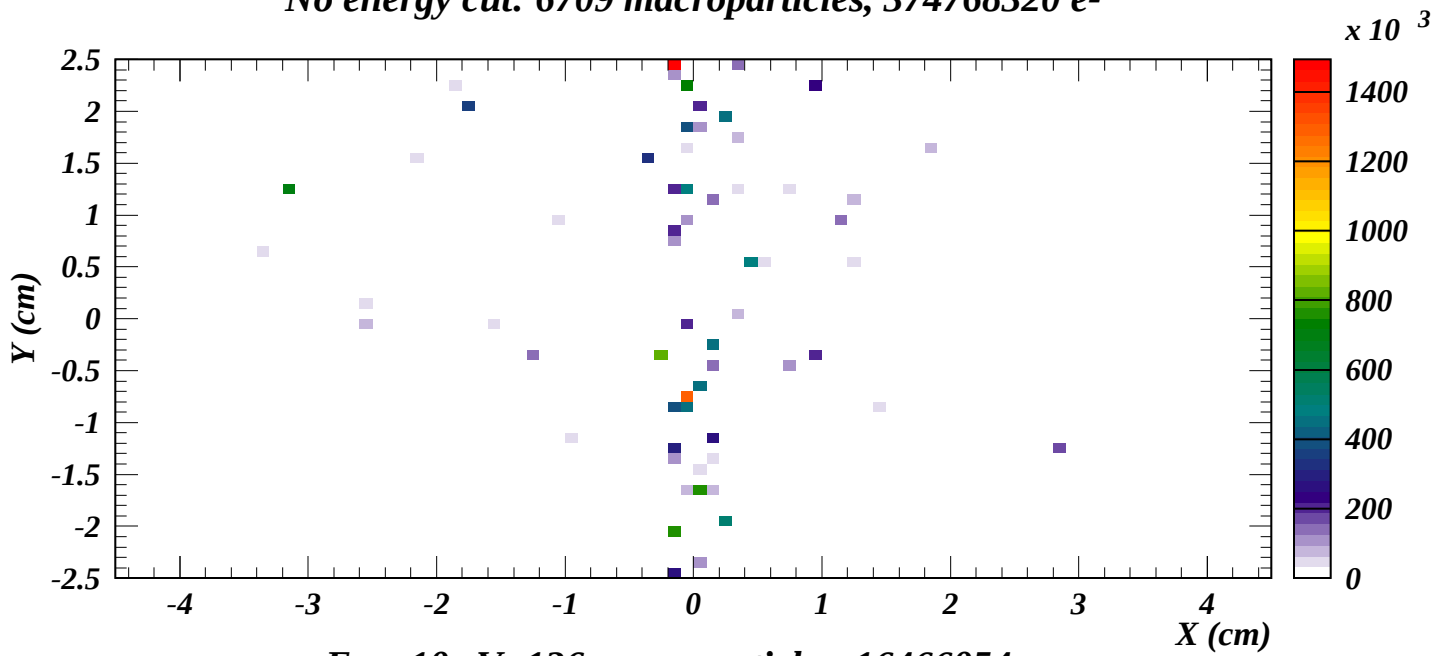
$E_{\text{kin}} > 10 \text{ eV}$: 1079 macroparticles, 592834112 e-

10/03/08 12.41
 $\times 10^3$

Cloud charge snapshot after bunch 58 at time = 812 ns



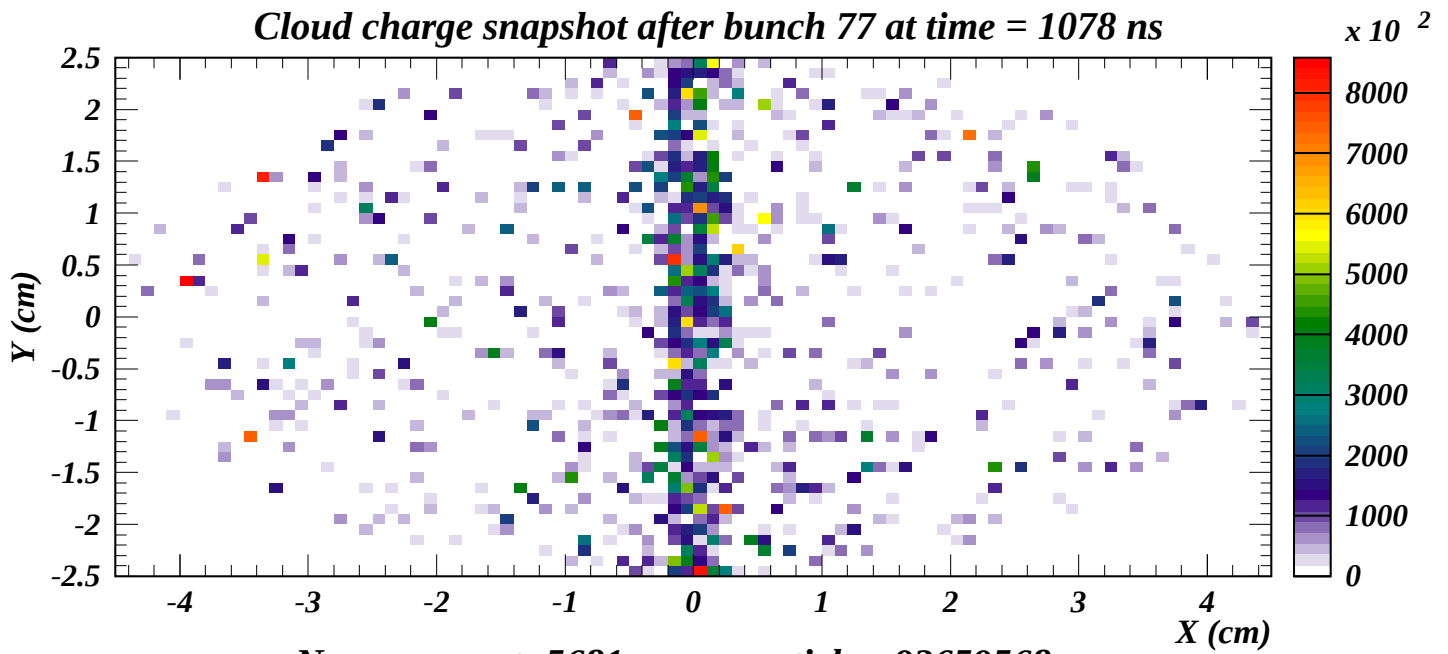
No energy cut: 6709 macroparticles, 374768320 e-



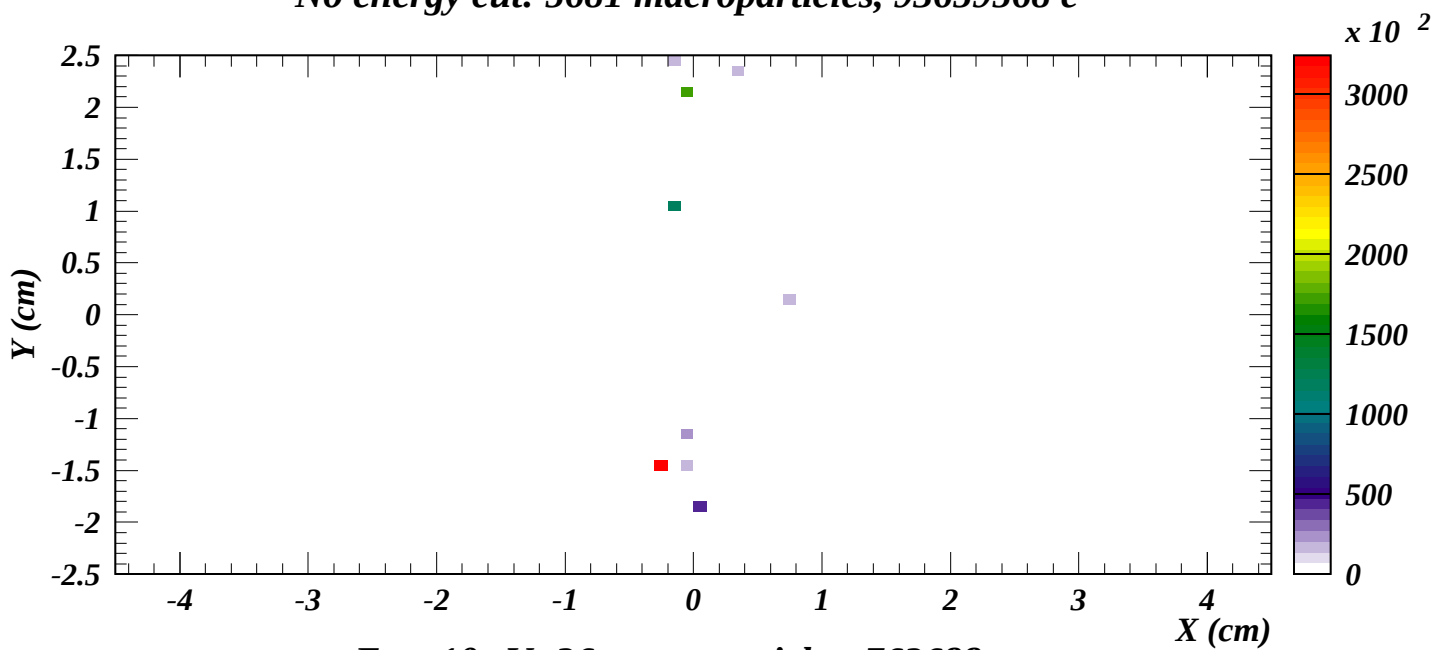
$E_{kin} > 10$ eV: 126 macroparticles, 16466054 e-

10/03/08 12.41

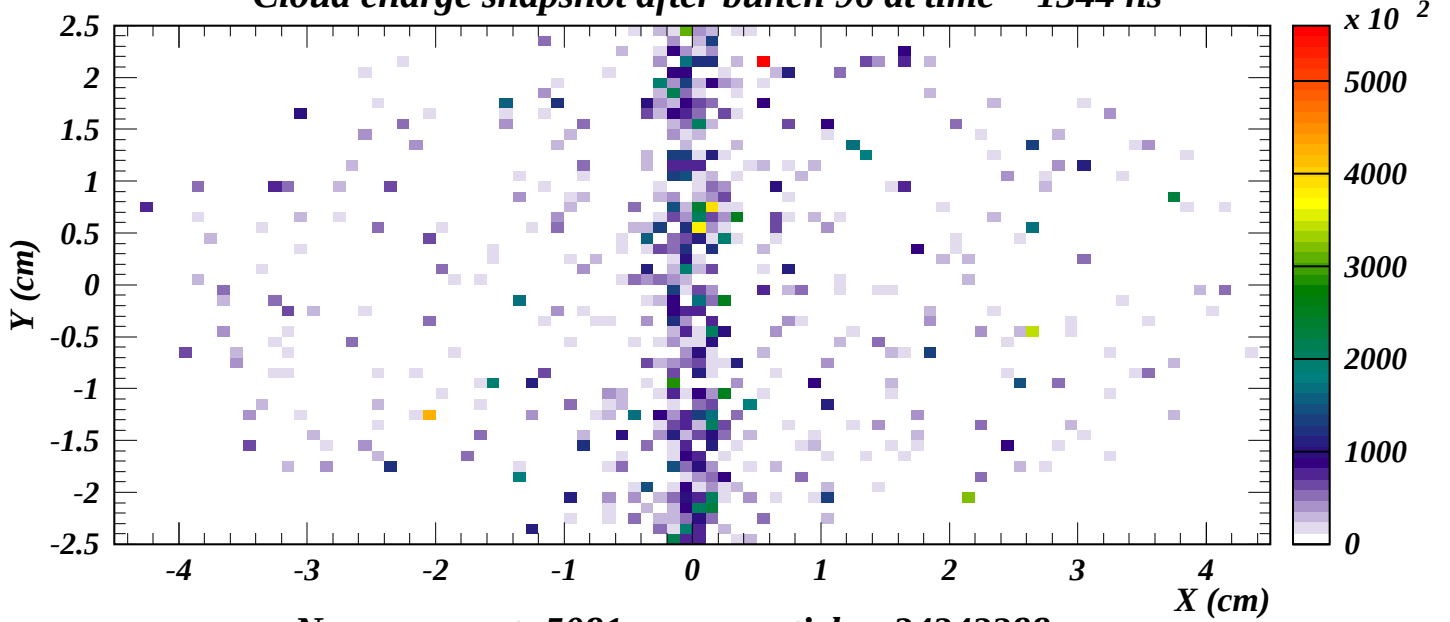
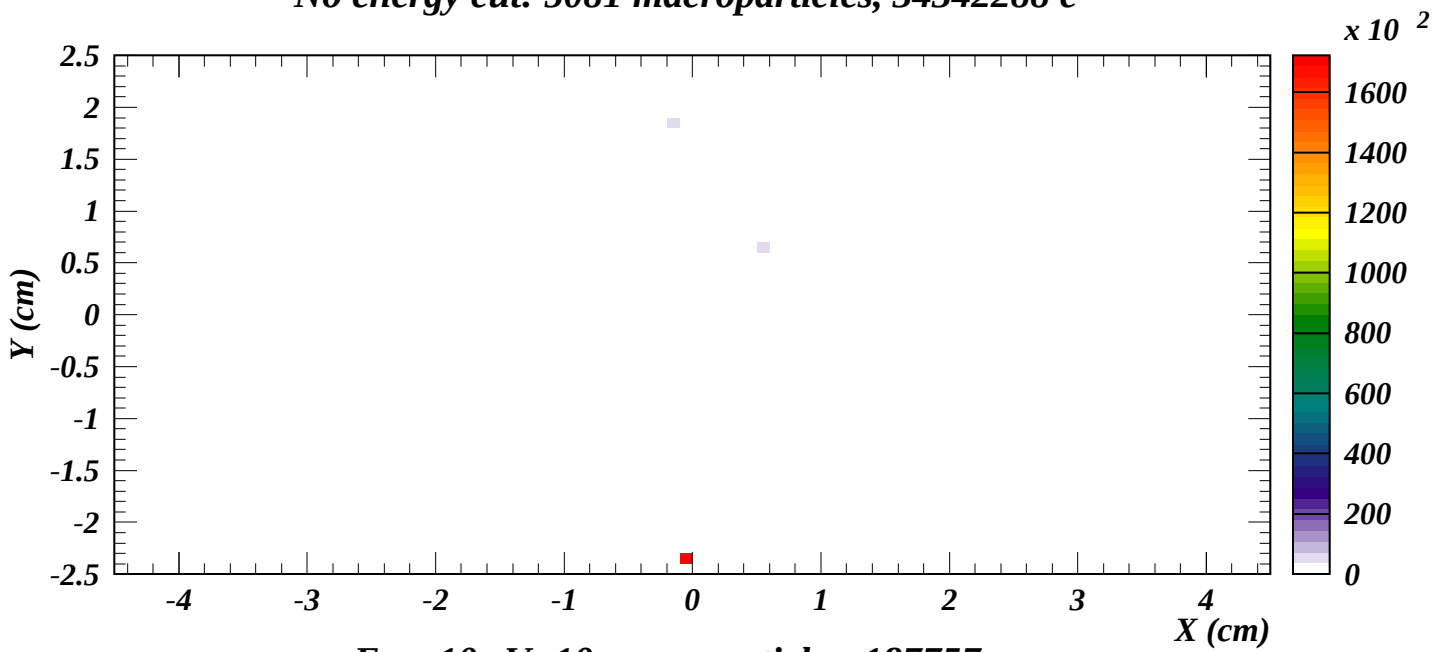
Cloud charge snapshot after bunch 77 at time = 1078 ns



No energy cut: 5681 macroparticles, 93659568 e-

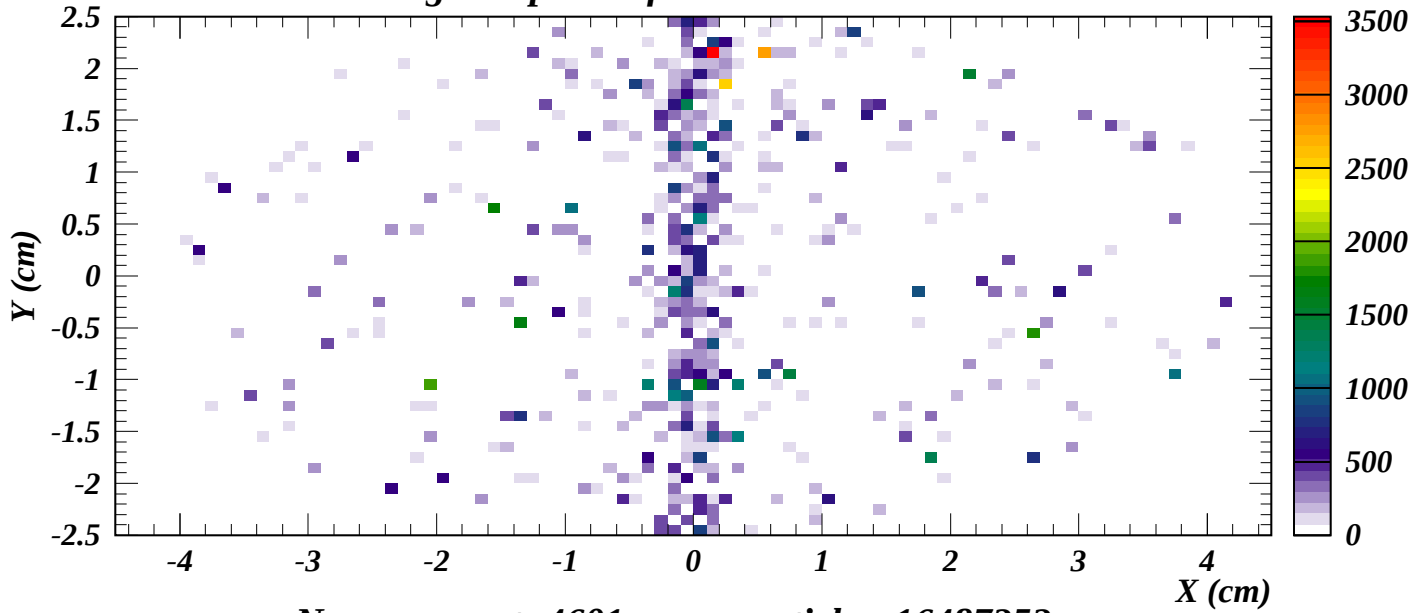


$E_{kin} > 10$ eV: 26 macroparticles, 762688 e-

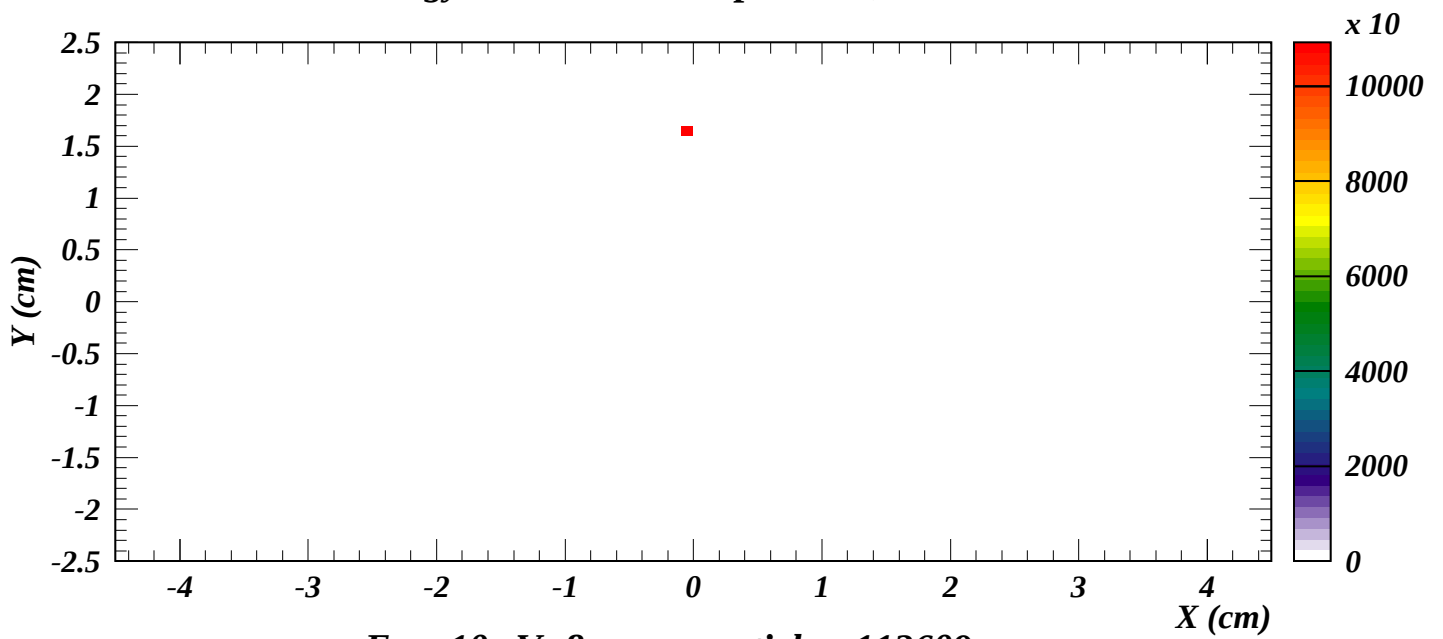
Cloud charge snapshot after bunch 96 at time = 1344 ns*No energy cut: 5081 macroparticles, 34342288 e-* *$E_{kin} > 10$ eV: 10 macroparticles, 187757 e-*

10/03/08 12.41
 $\times 10^2$

Cloud charge snapshot after bunch 115 at time = 1610 ns



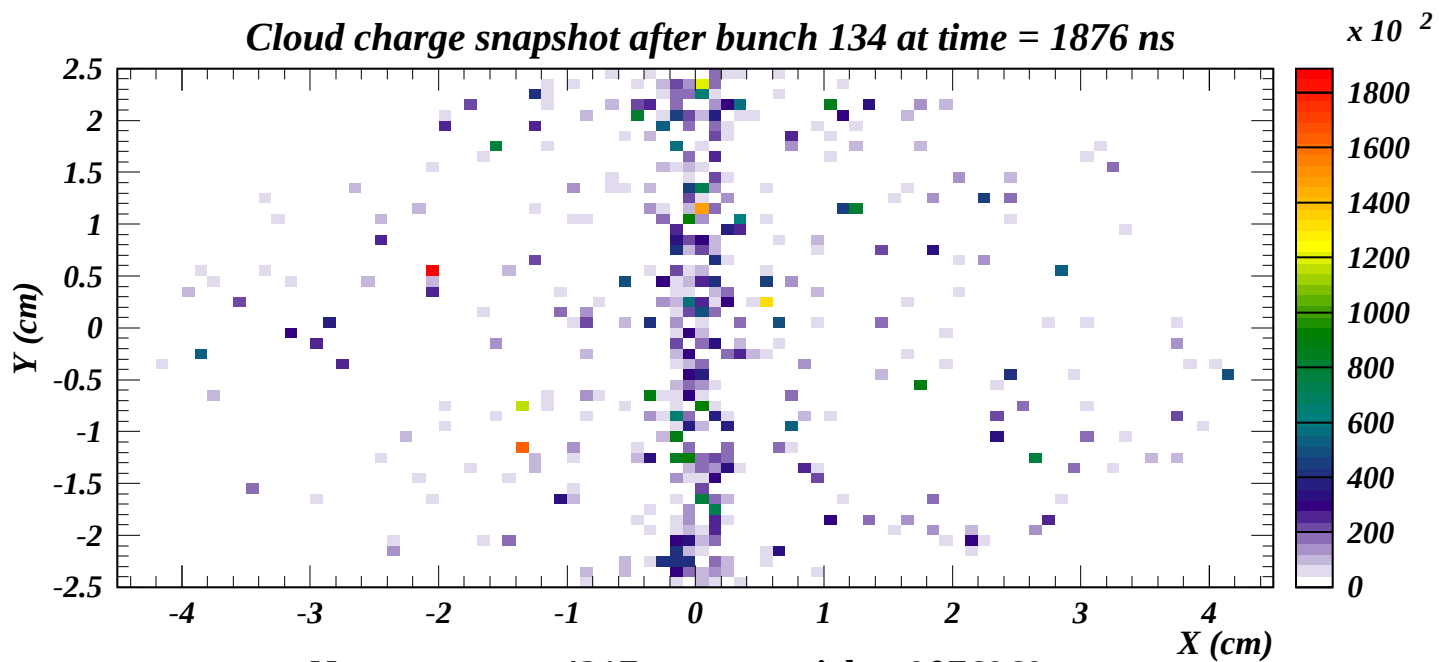
No energy cut: 4601 macroparticles, 16487352 e-



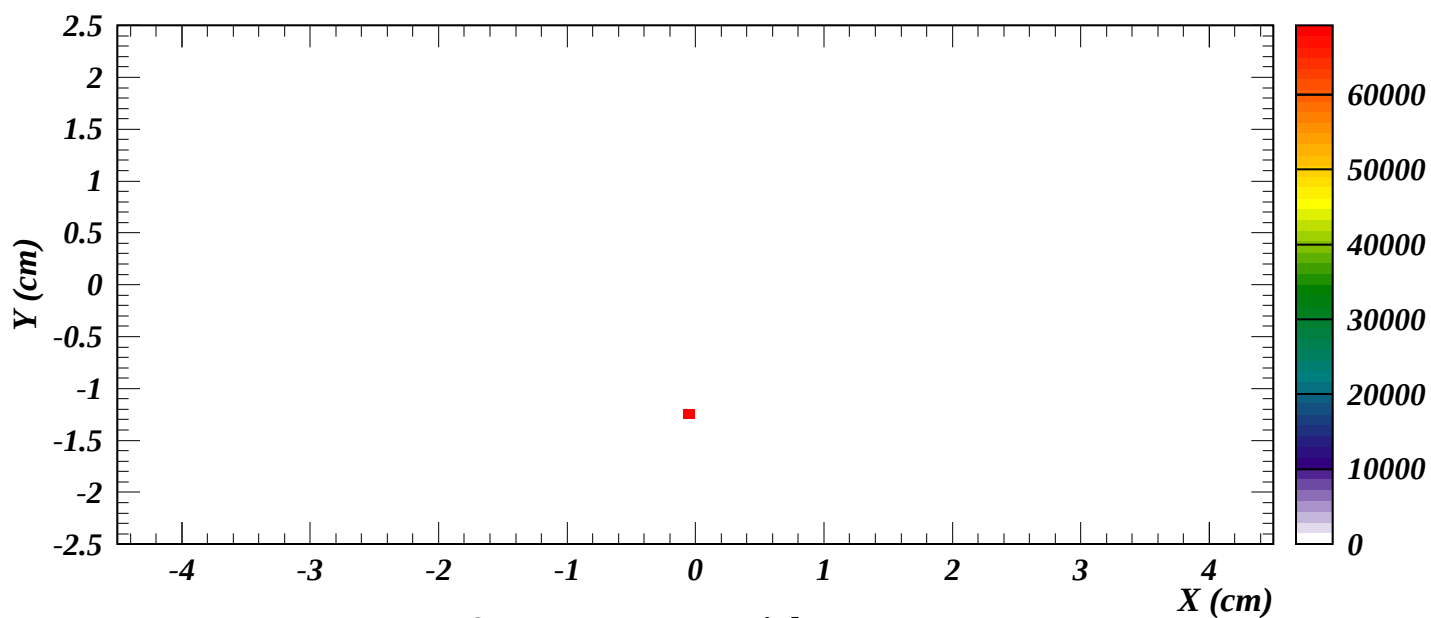
$E_{kin} > 10$ eV: 8 macroparticles, 112609 e-

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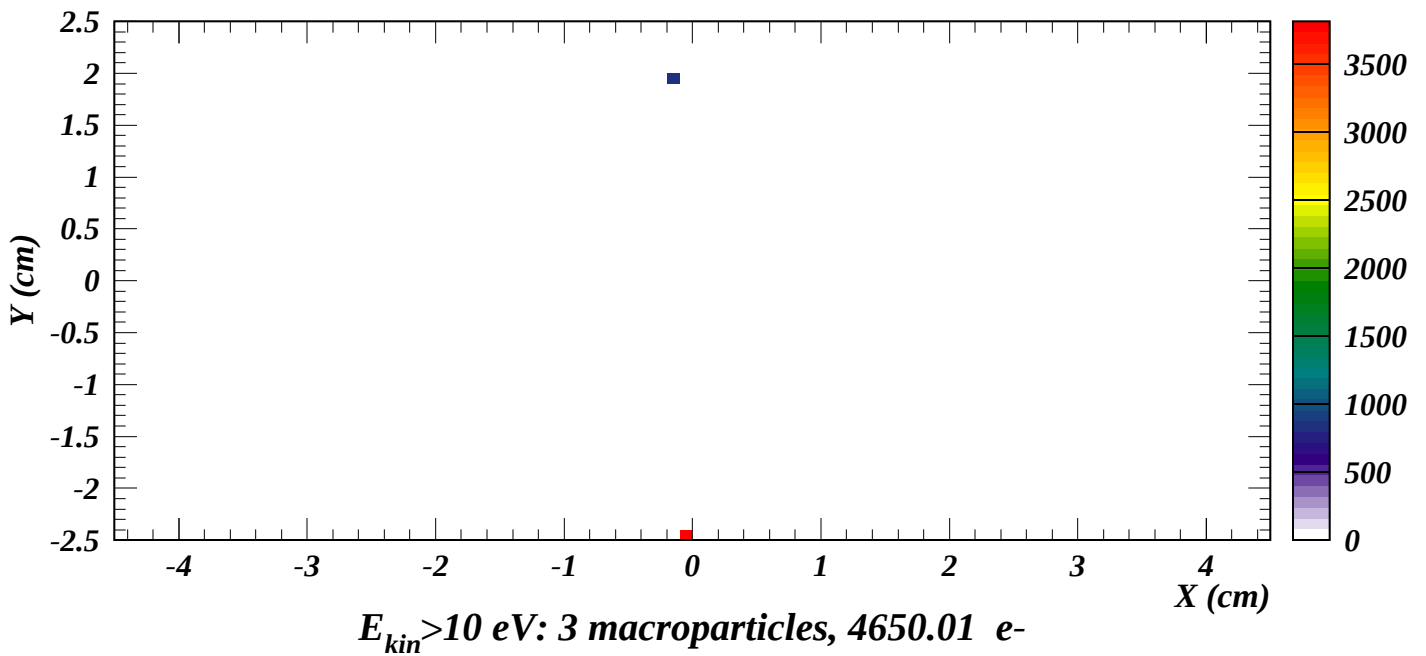
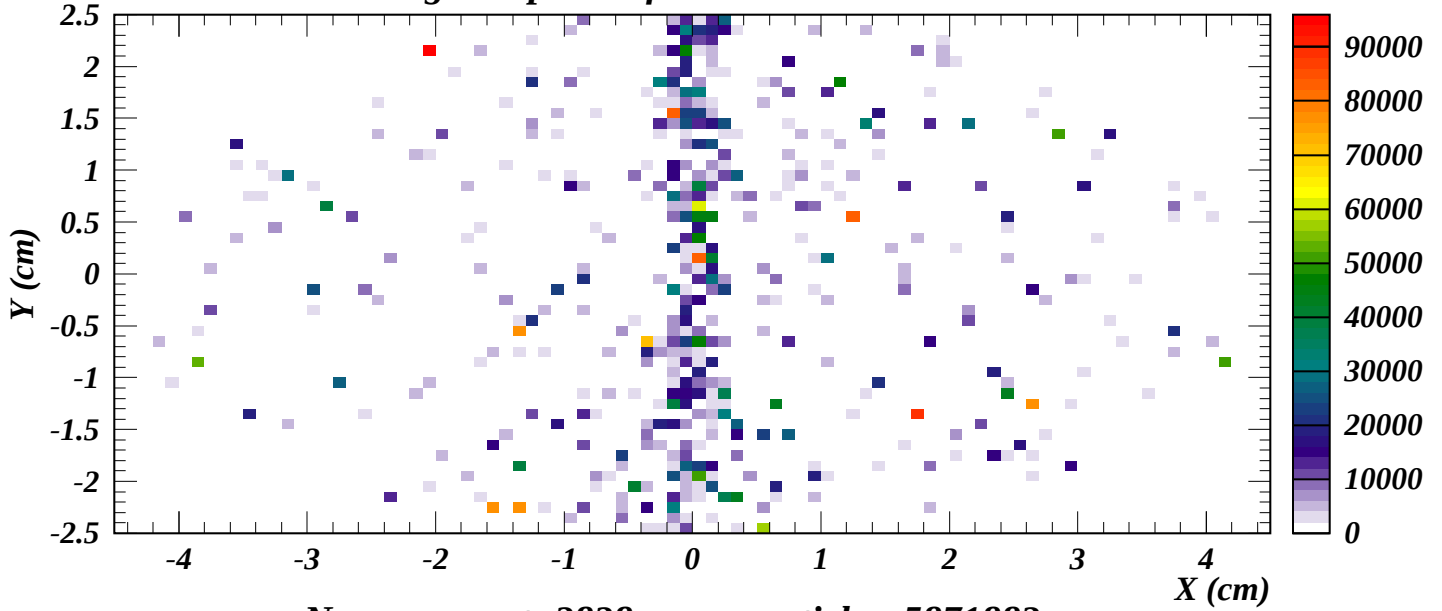
Cloud charge snapshot after bunch 134 at time = 1876 ns

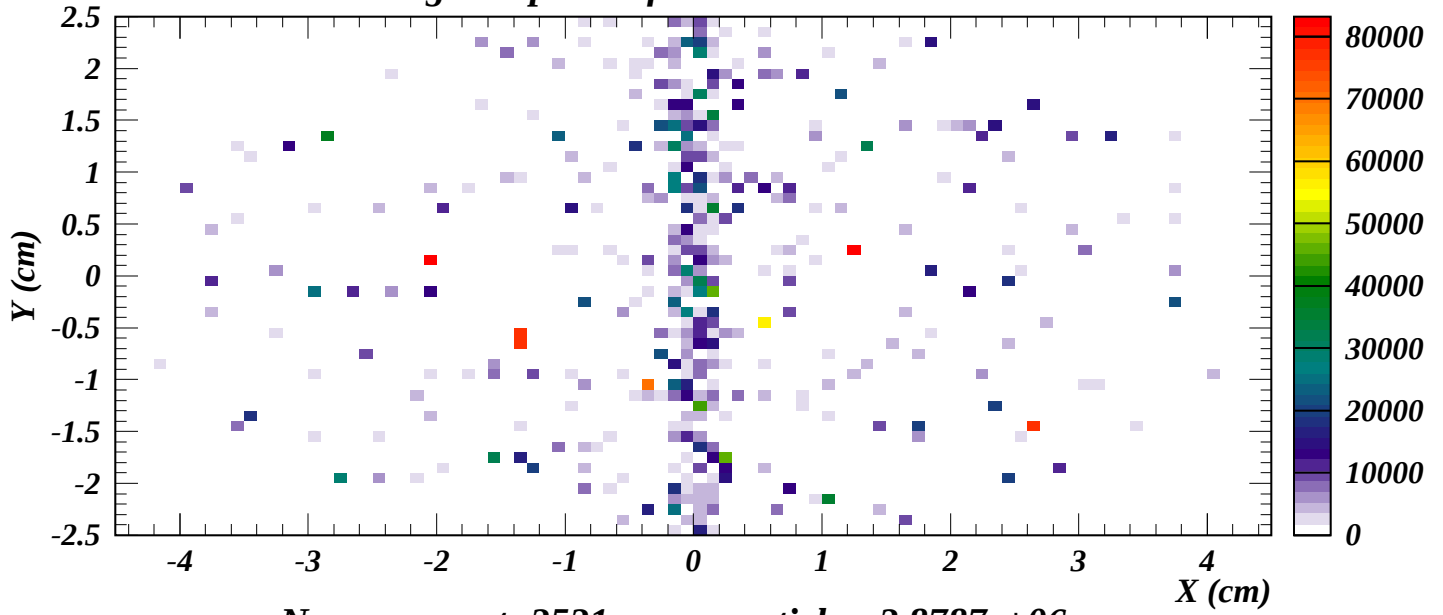
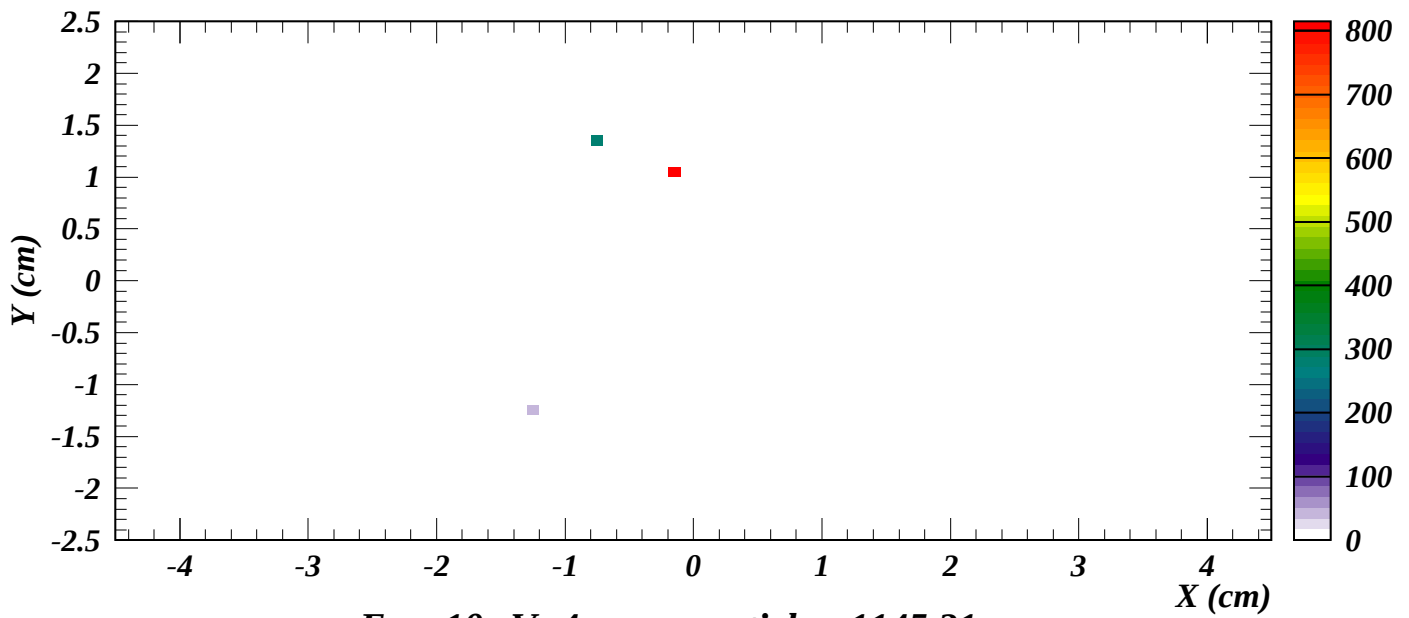


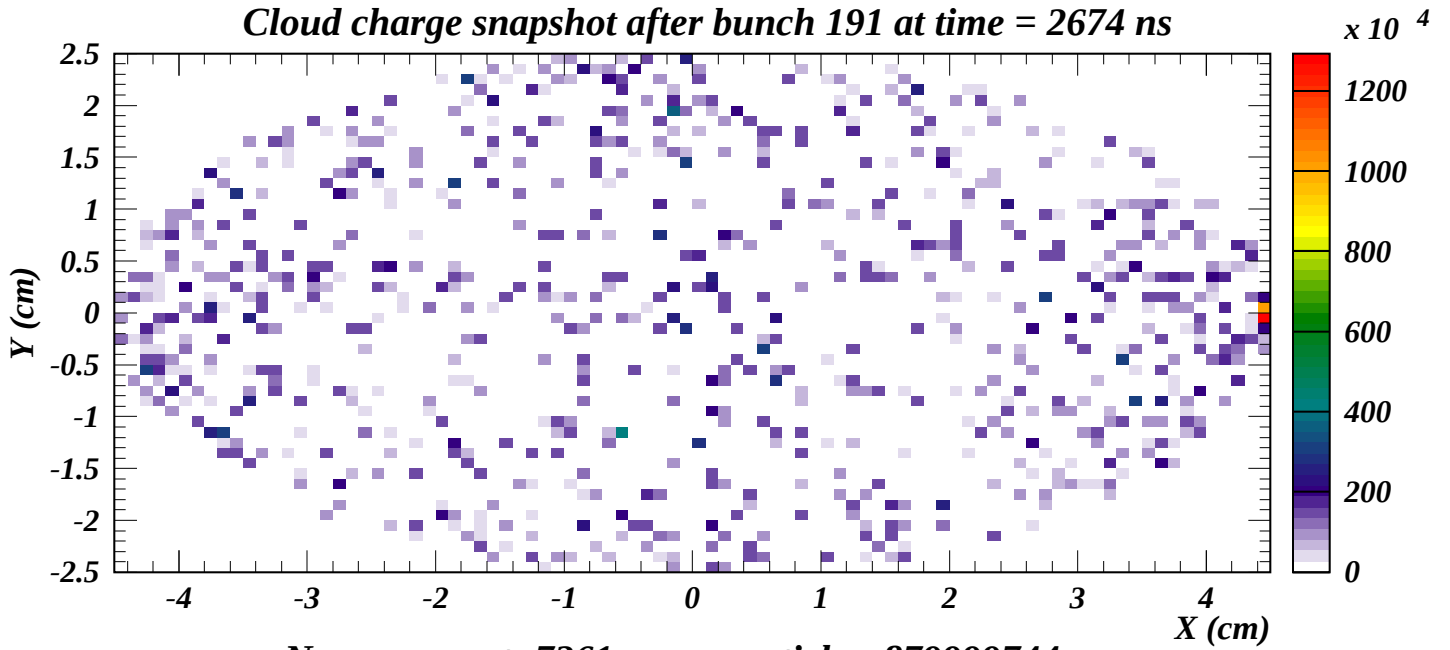
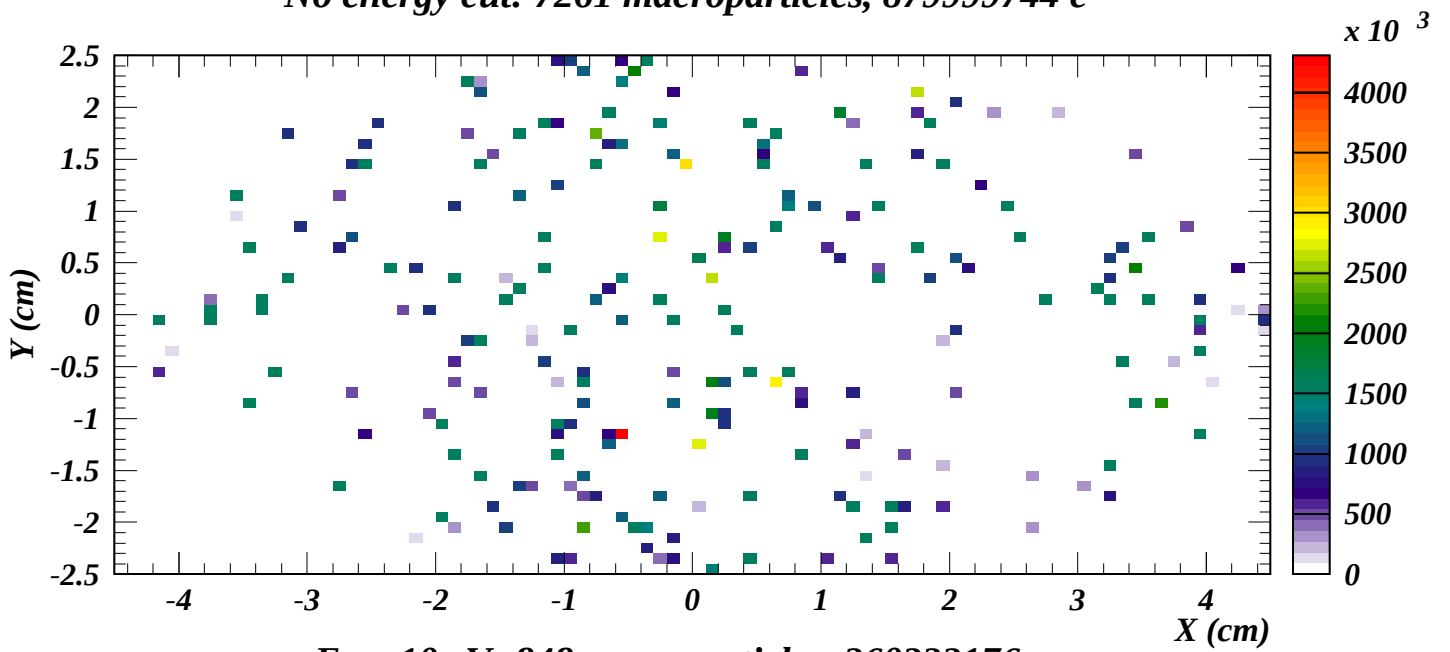
No energy cut: 4217 macroparticles, 9076969 e^-



$E_{kin} > 10$ eV: 7 macroparticles, 72251.5 e^-

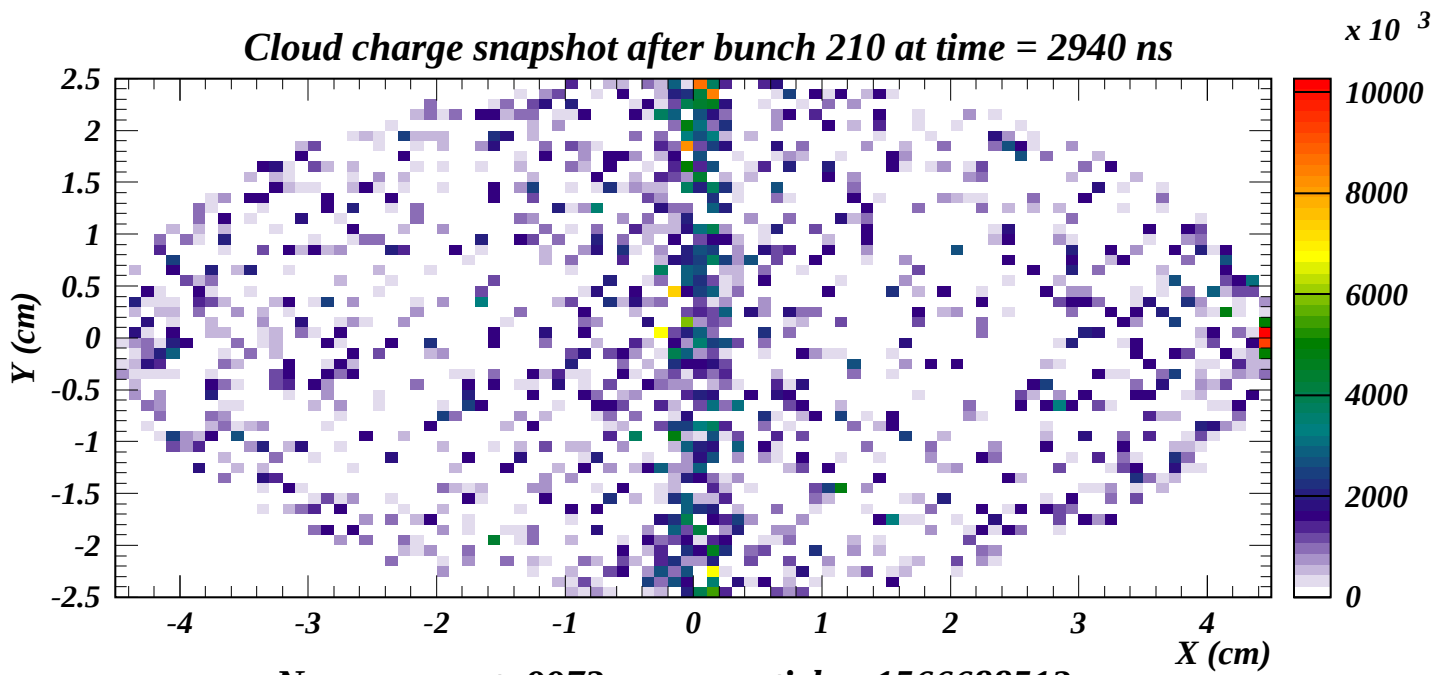
Cloud charge snapshot after bunch 153 at time = 2142 ns

Cloud charge snapshot after bunch 172 at time = 2408 ns*No energy cut: 3531 macroparticles, 3.8787e+06 e-* *$E_{kin} > 10$ eV: 4 macroparticles, 1145.21 e-*

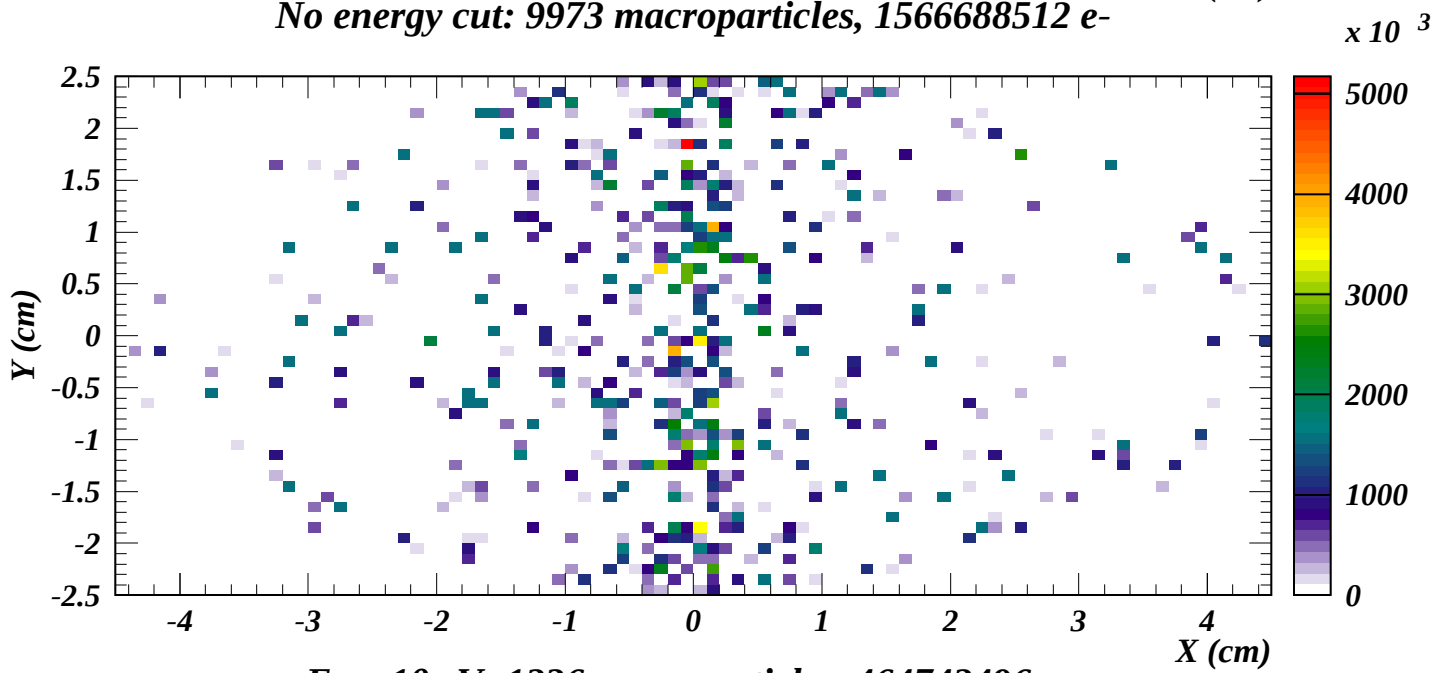
Cloud charge snapshot after bunch 191 at time = 2674 ns*No energy cut: 7261 macroparticles, 879999744 e⁻* *$E_{kin} > 10$ eV: 848 macroparticles, 260332176 e⁻*

10/03/08 12.41

Cloud charge snapshot after bunch 210 at time = 2940 ns



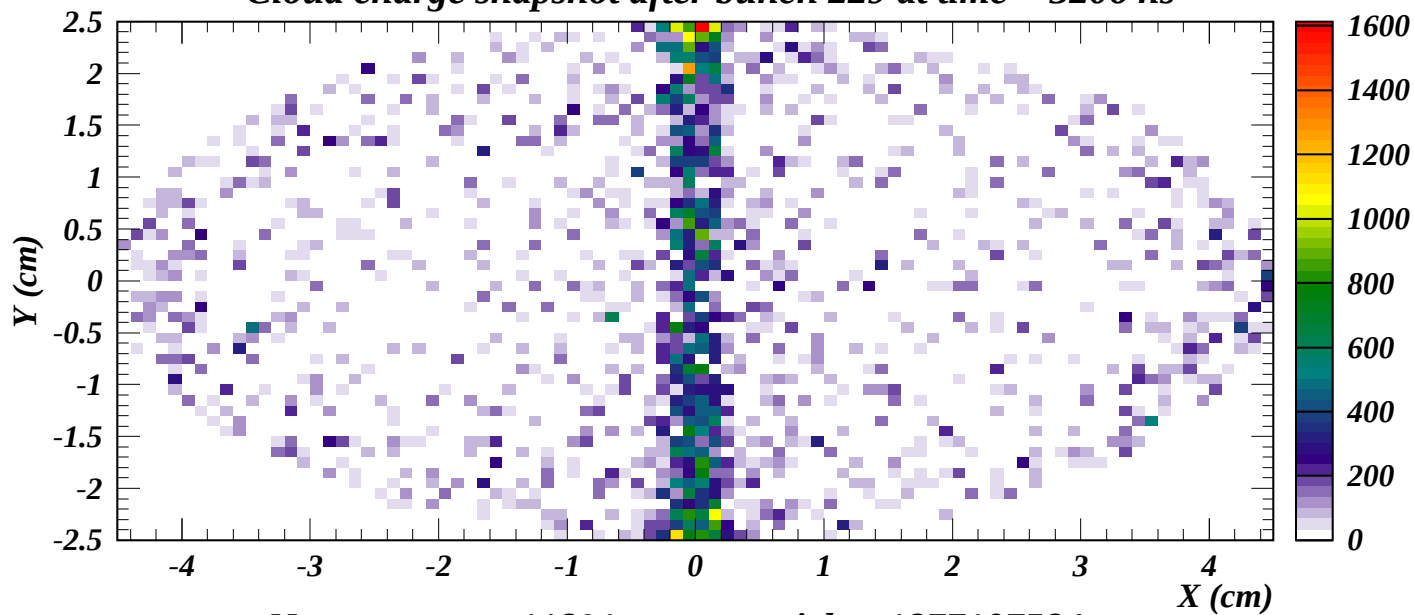
No energy cut: 9973 macroparticles, 1566688512 e-



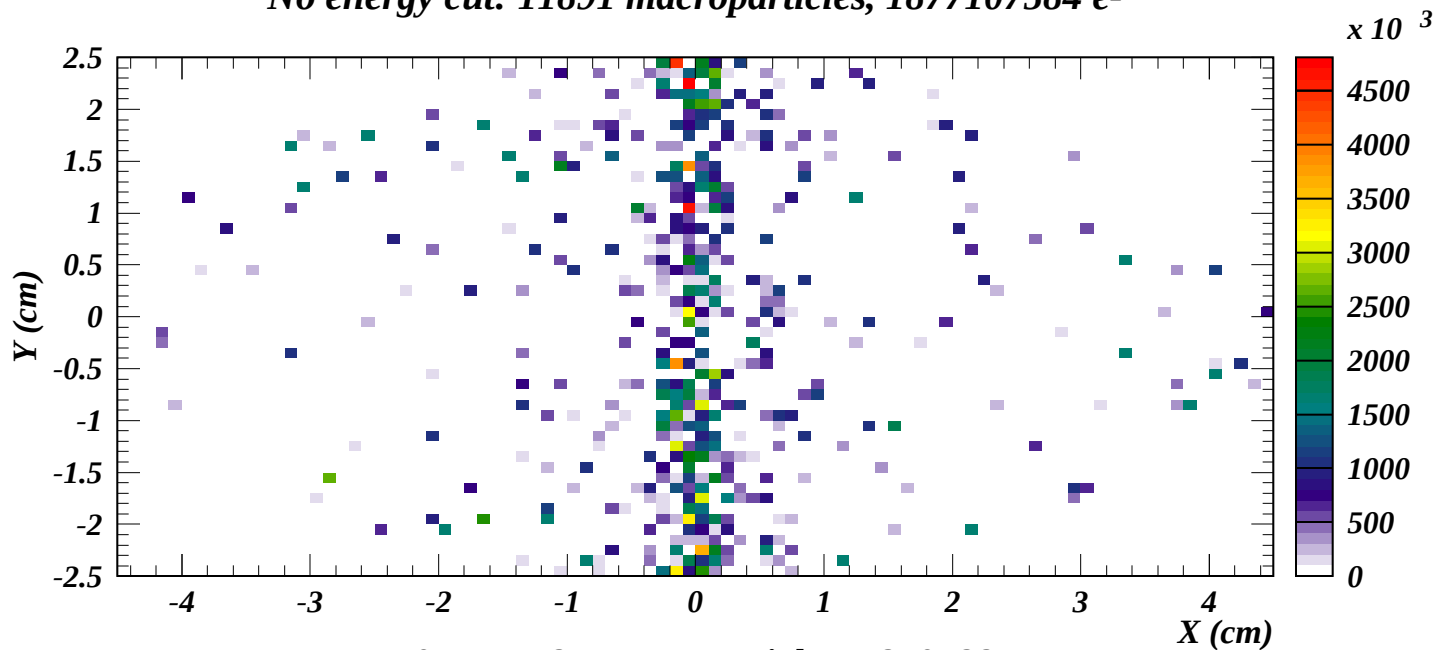
$E_{\text{kin}} > 10$ eV: 1236 macroparticles, 464742496 e-

10/03/08 12.41
 $\times 10^{-4}$

Cloud charge snapshot after bunch 229 at time = 3206 ns



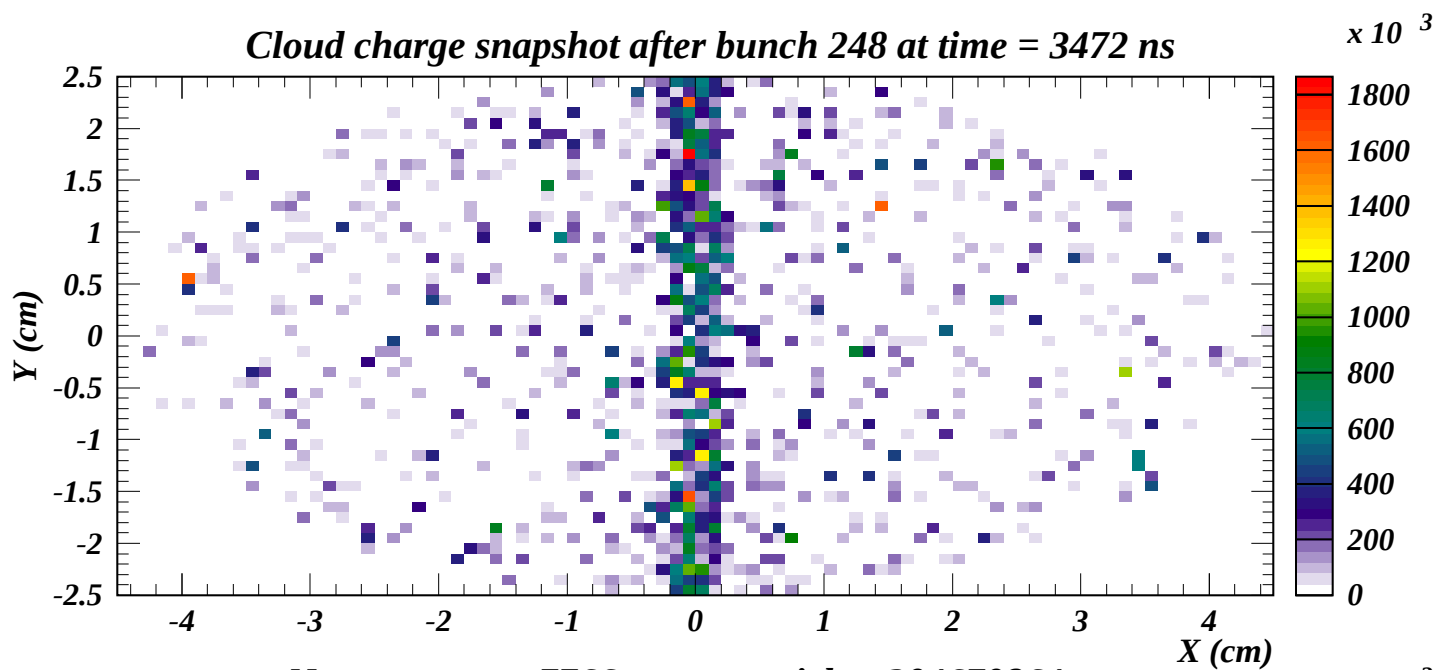
No energy cut: 11891 macroparticles, 1877107584 e-



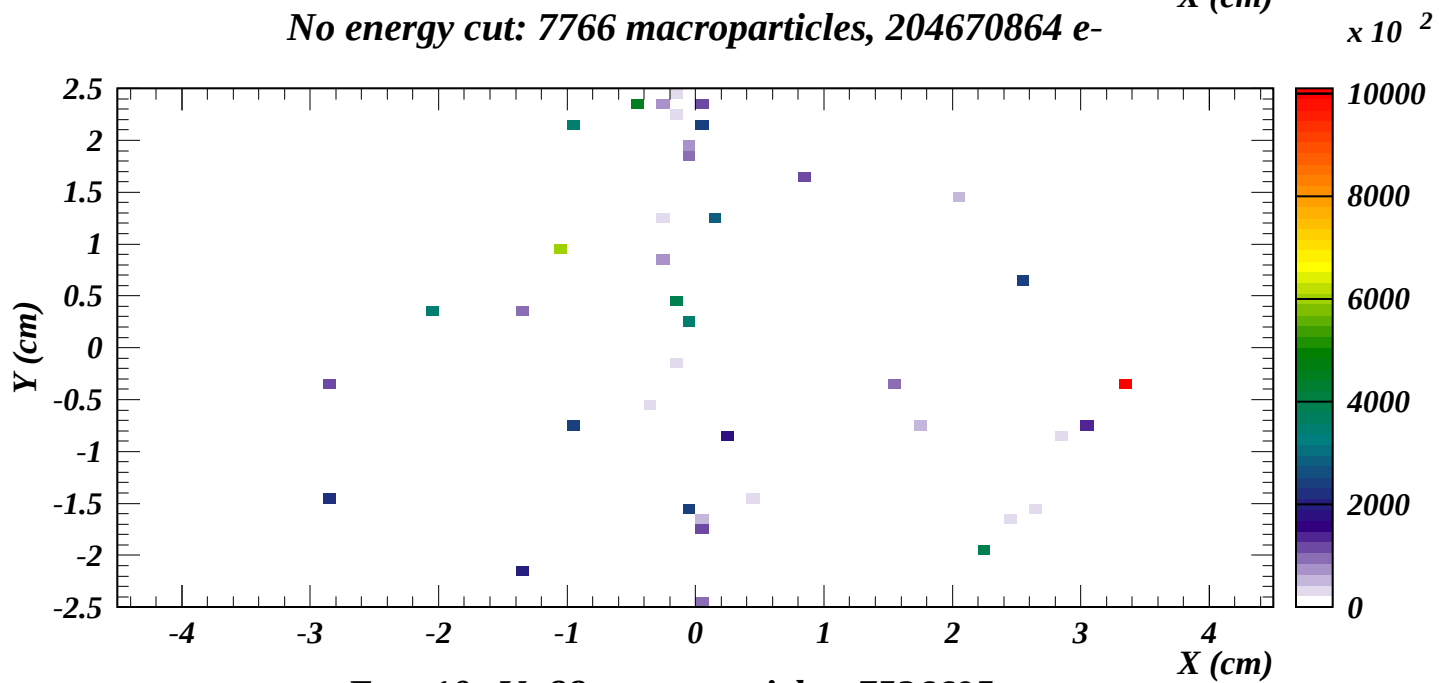
$E_{\text{kin}} > 10$ eV: 1187 macroparticles, 385028864 e-

10/03/08 12.41

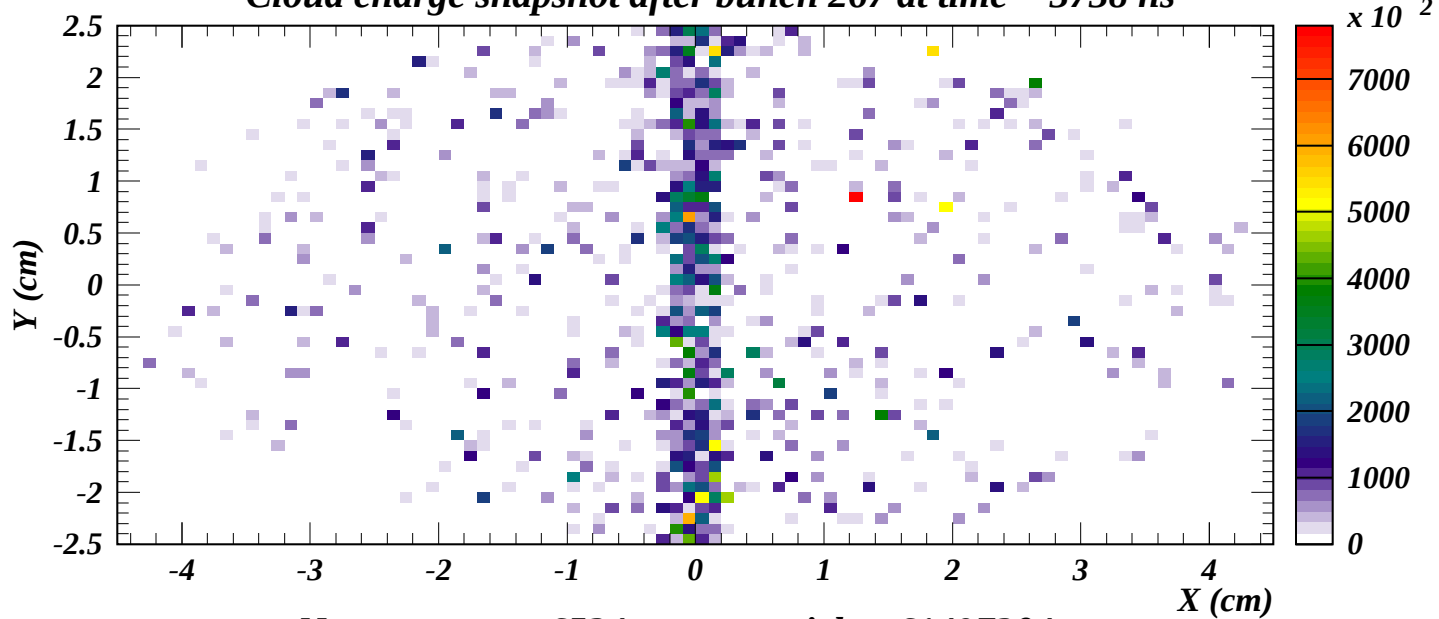
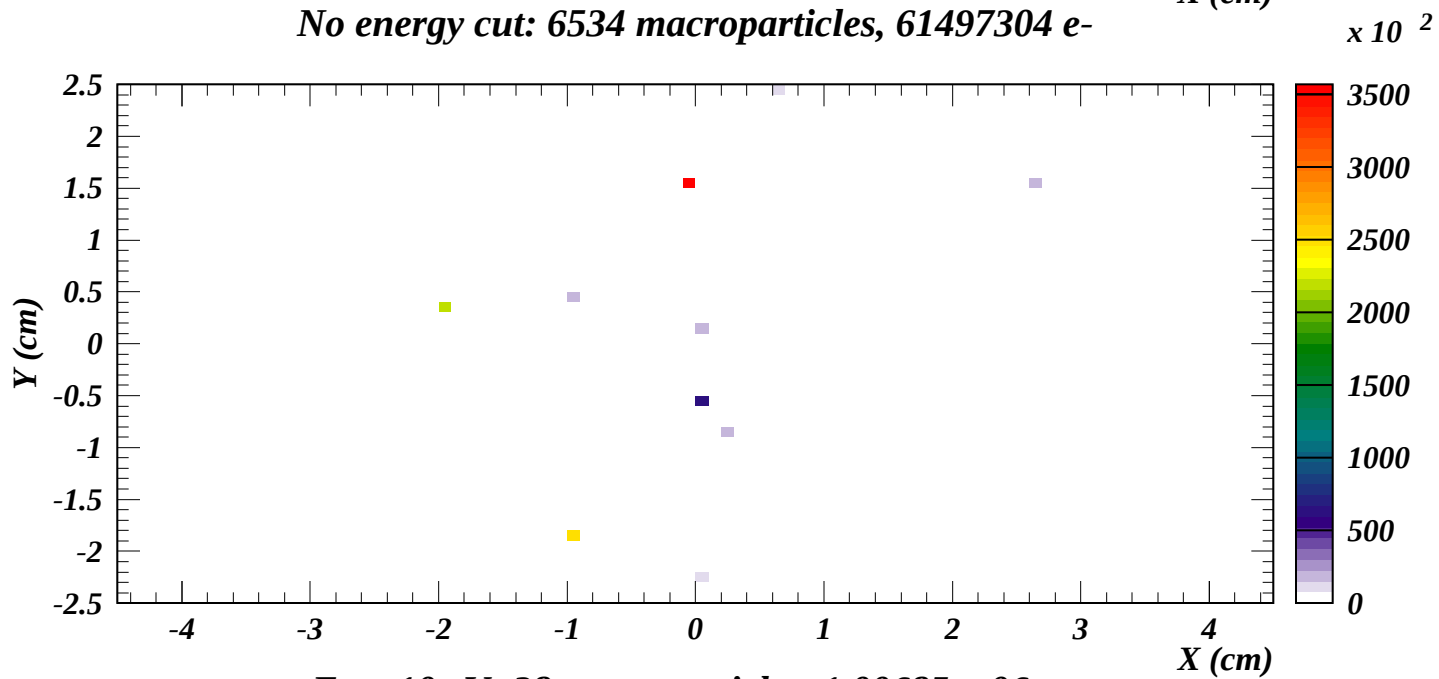
Cloud charge snapshot after bunch 248 at time = 3472 ns

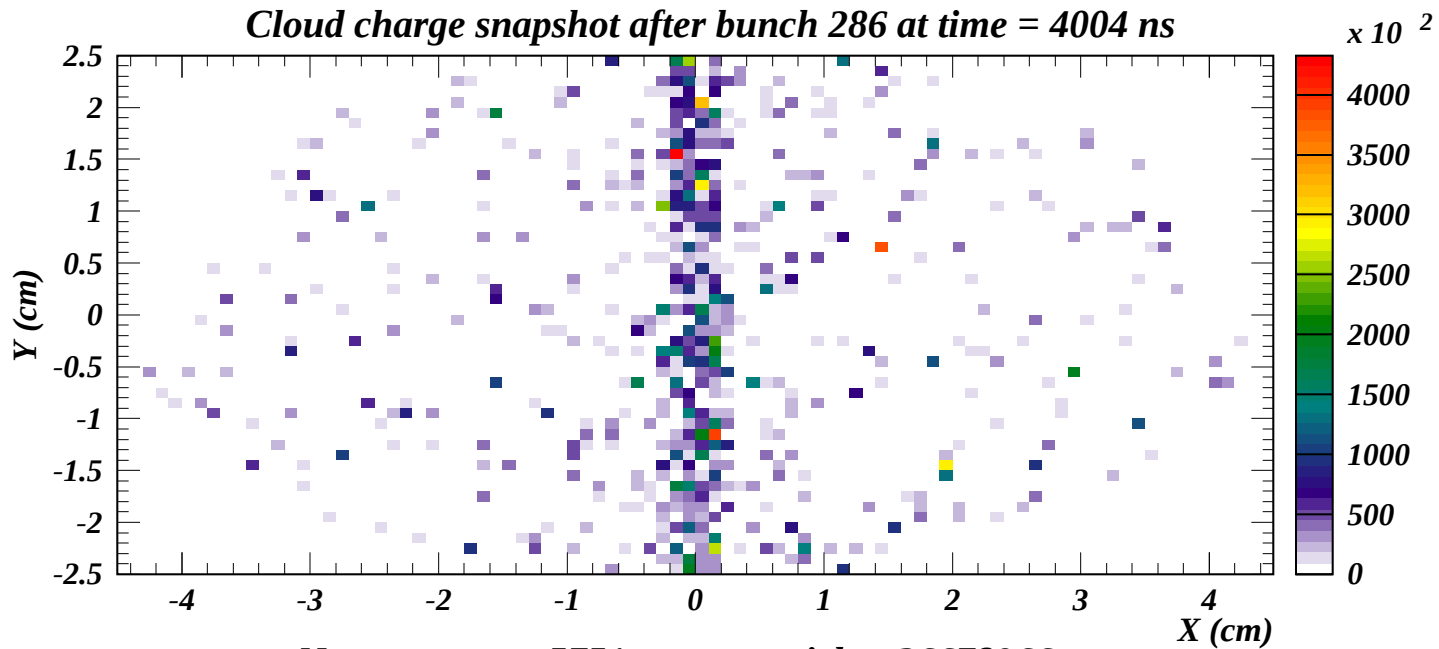
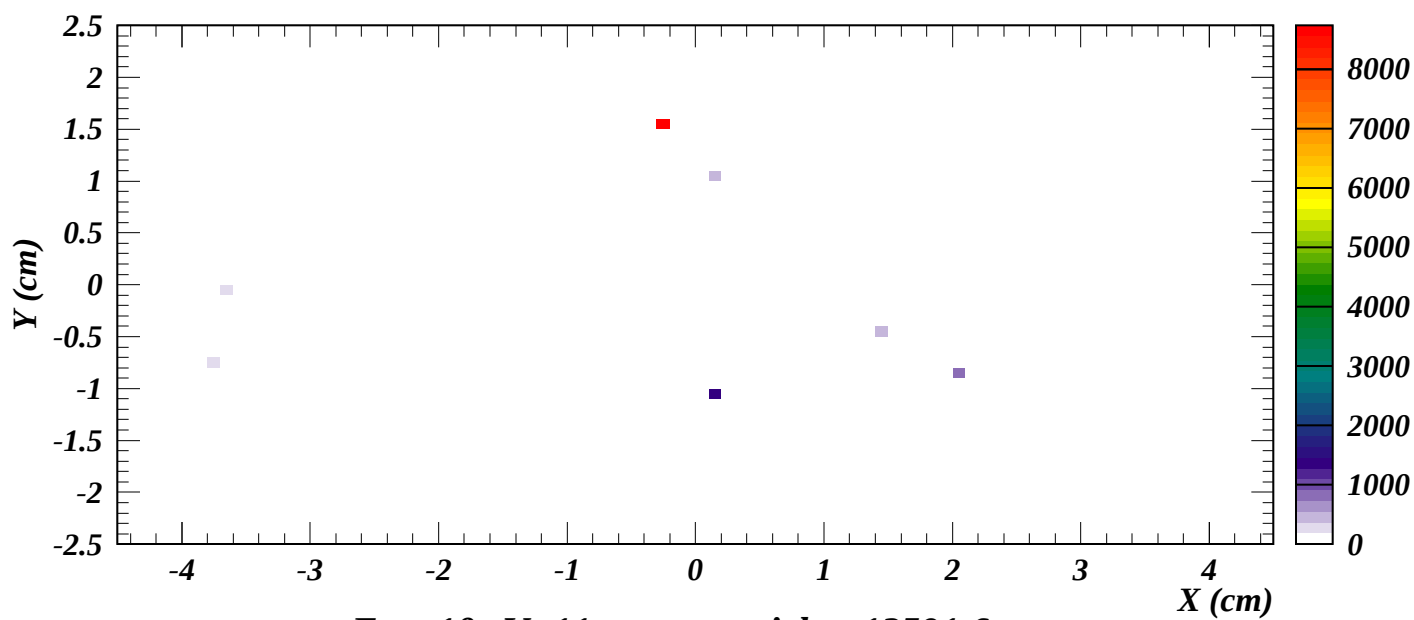


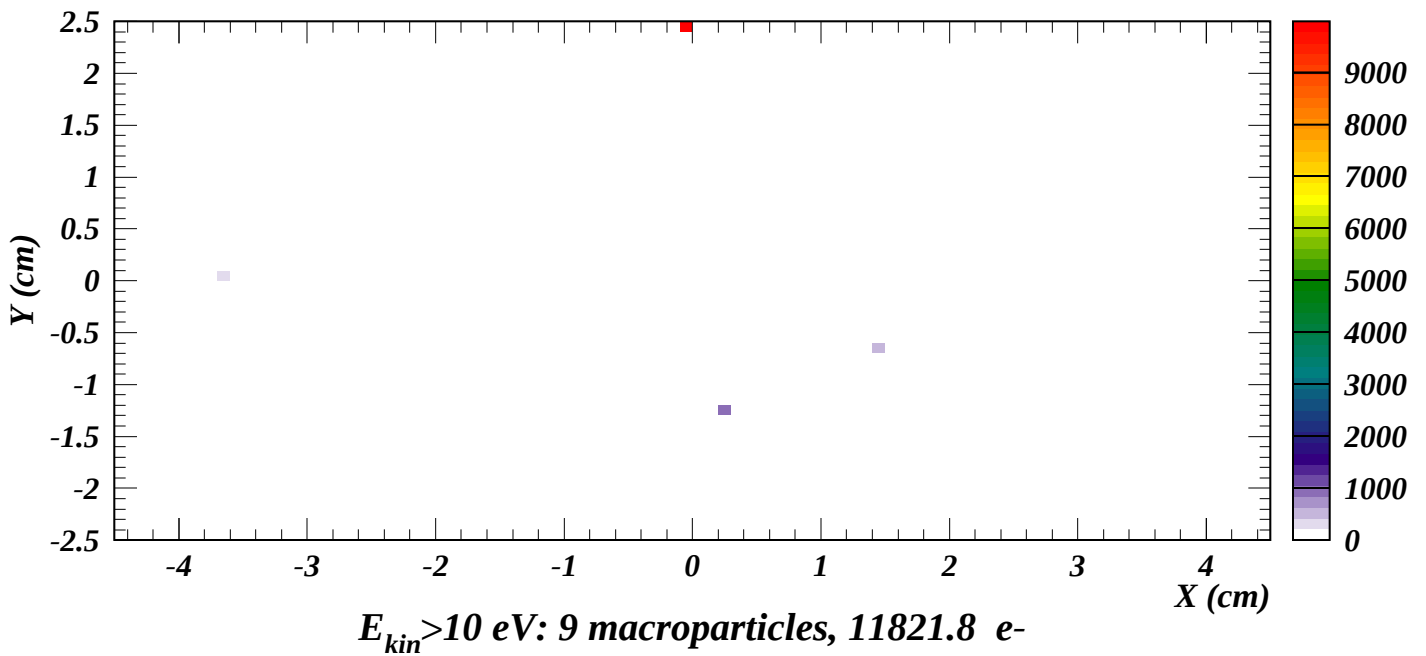
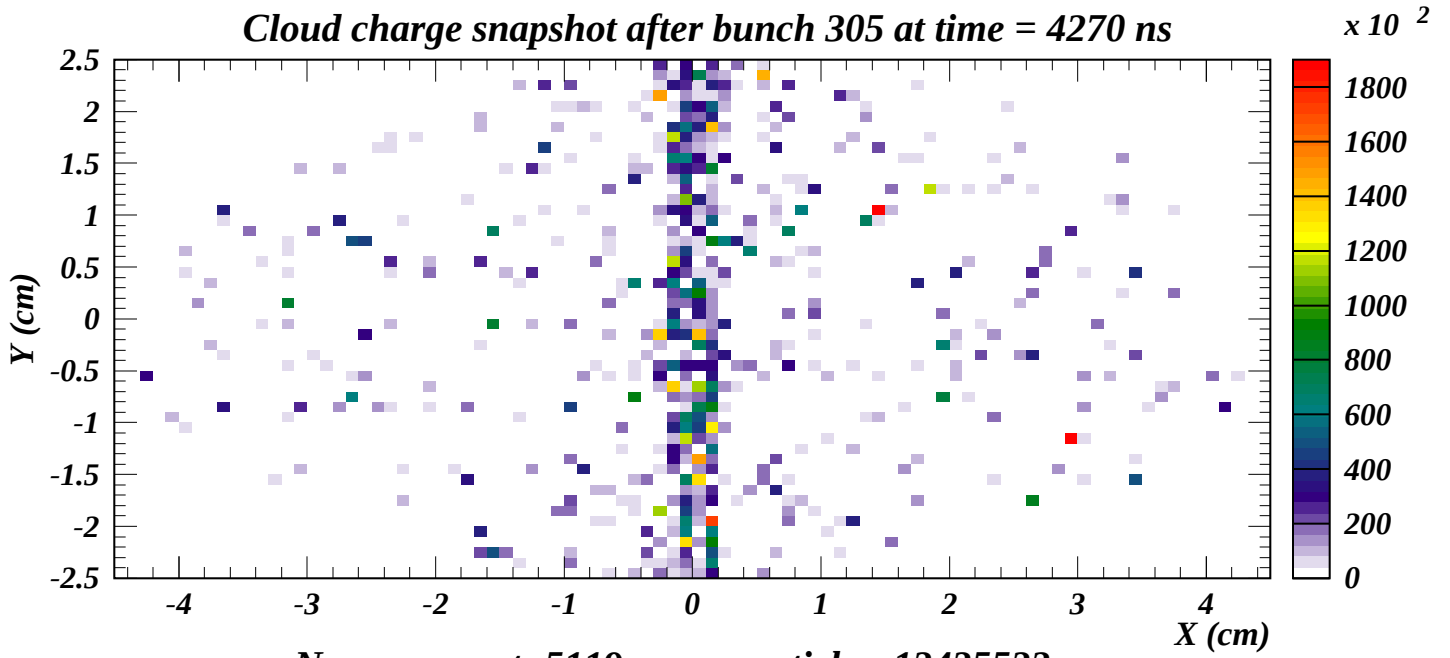
No energy cut: 7766 macroparticles, 204670864 e-



$E_{kin} > 10 \text{ eV}$: 88 macroparticles, 7526695 e-

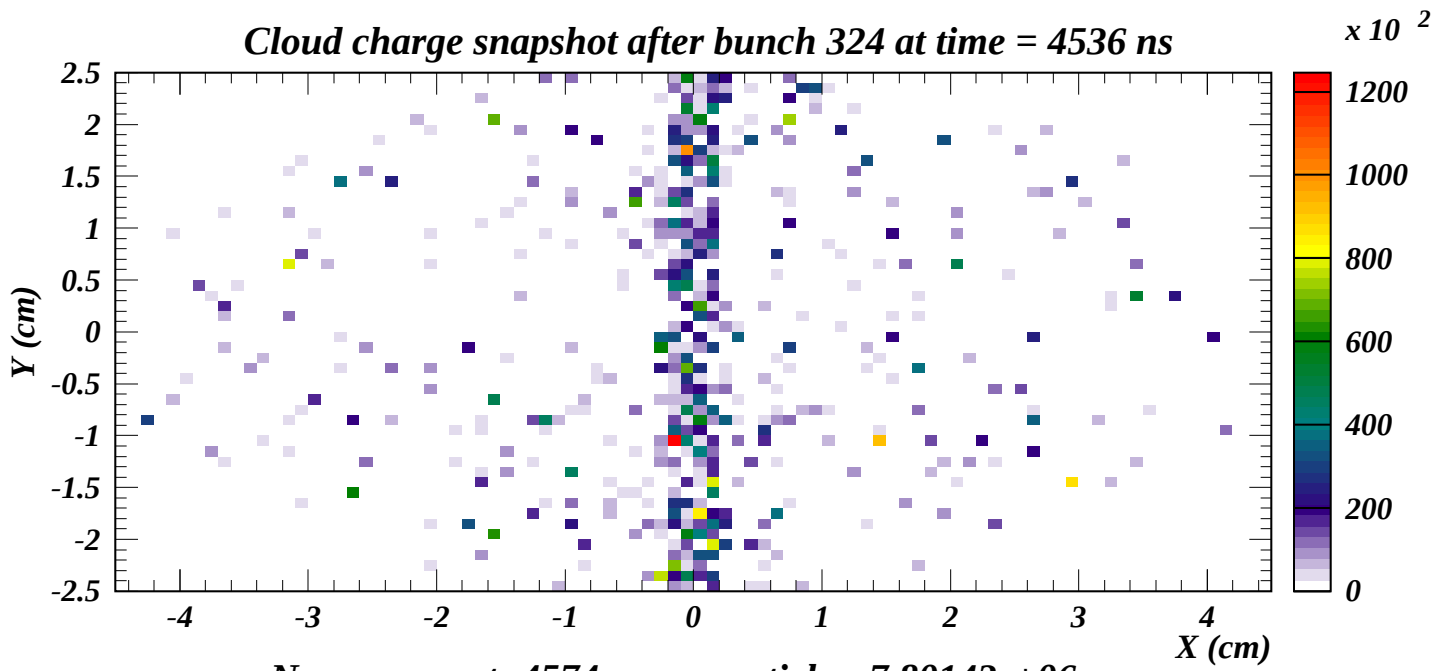
Cloud charge snapshot after bunch 267 at time = 3738 ns**No energy cut: 6534 macroparticles, 61497304 e-** **$E_{kin} > 10$ eV: 28 macroparticles, 1.00685e+06 e-**

Cloud charge snapshot after bunch 286 at time = 4004 ns*No energy cut: 5751 macroparticles, 26678966 e-* *$E_{kin} > 10$ eV: 11 macroparticles, 12591.6 e-*

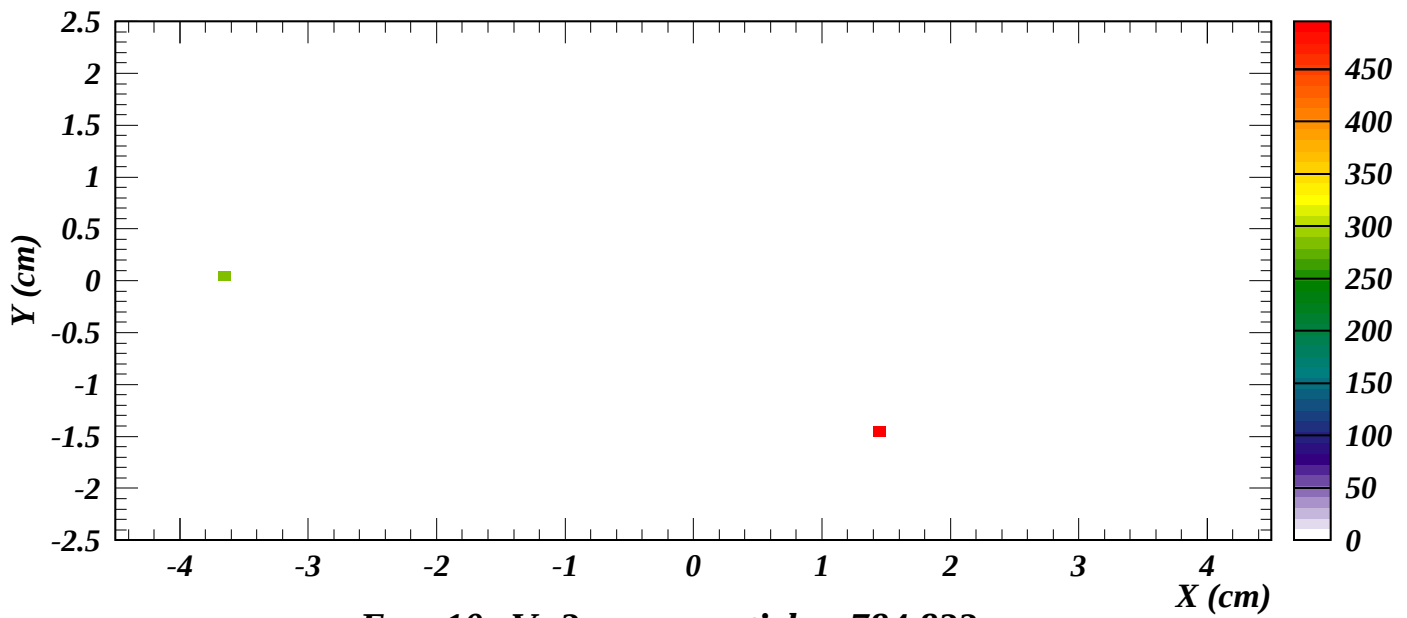
Cloud charge snapshot after bunch 305 at time = 4270 ns

10/03/08 12.41

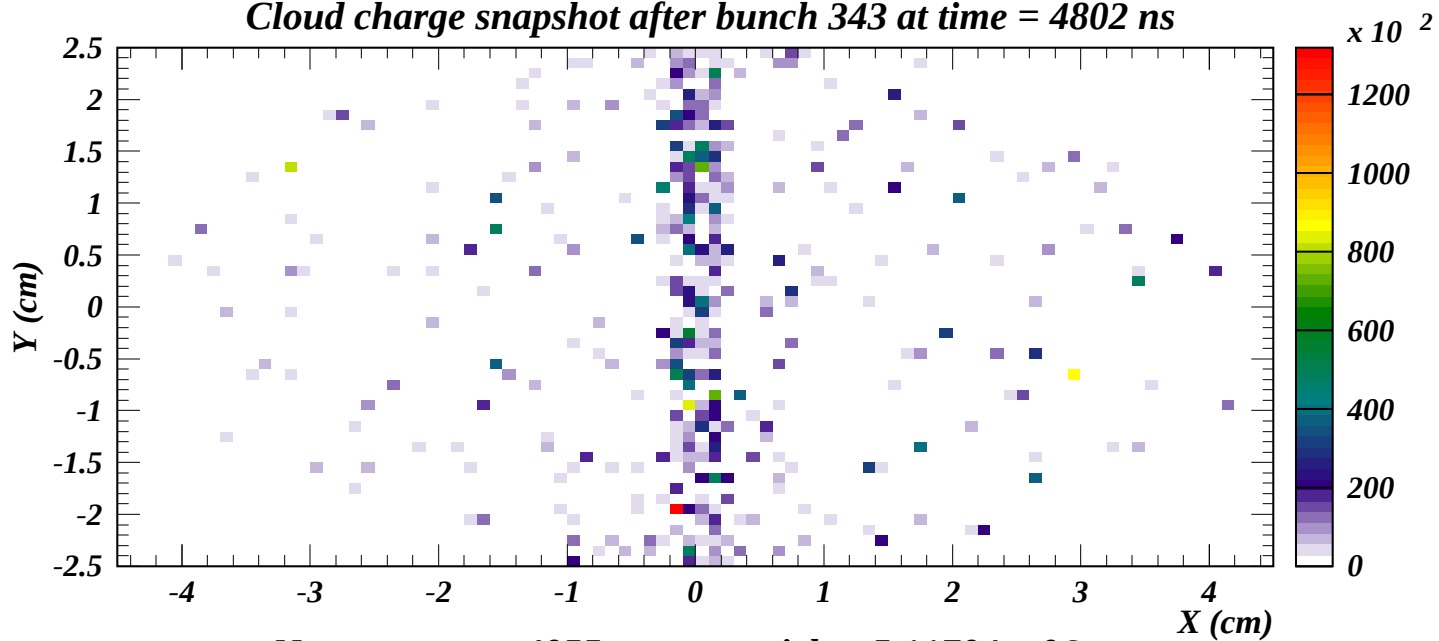
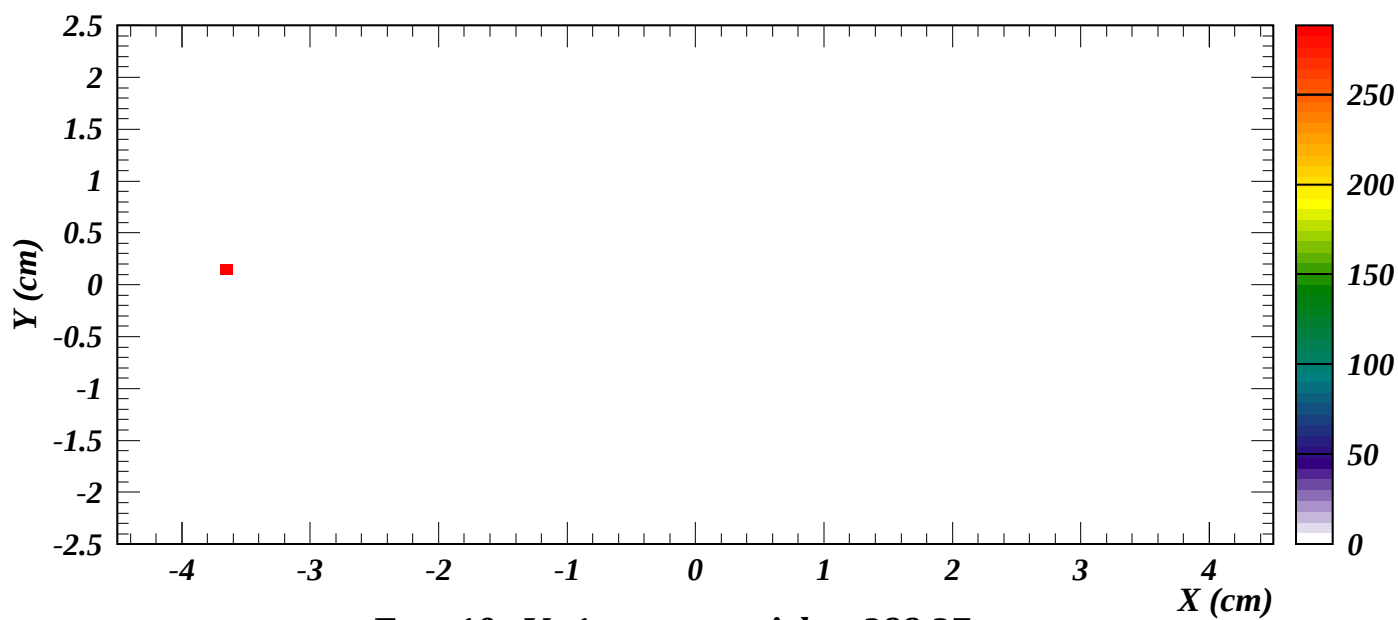
Cloud charge snapshot after bunch 324 at time = 4536 ns

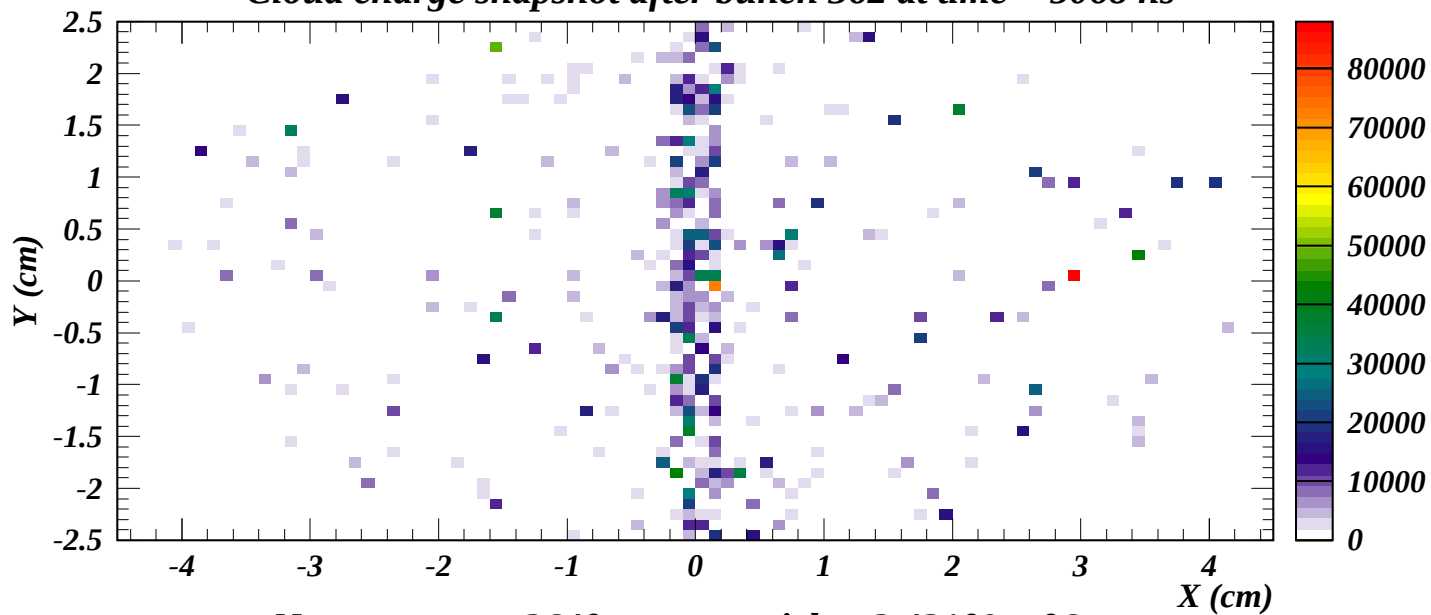
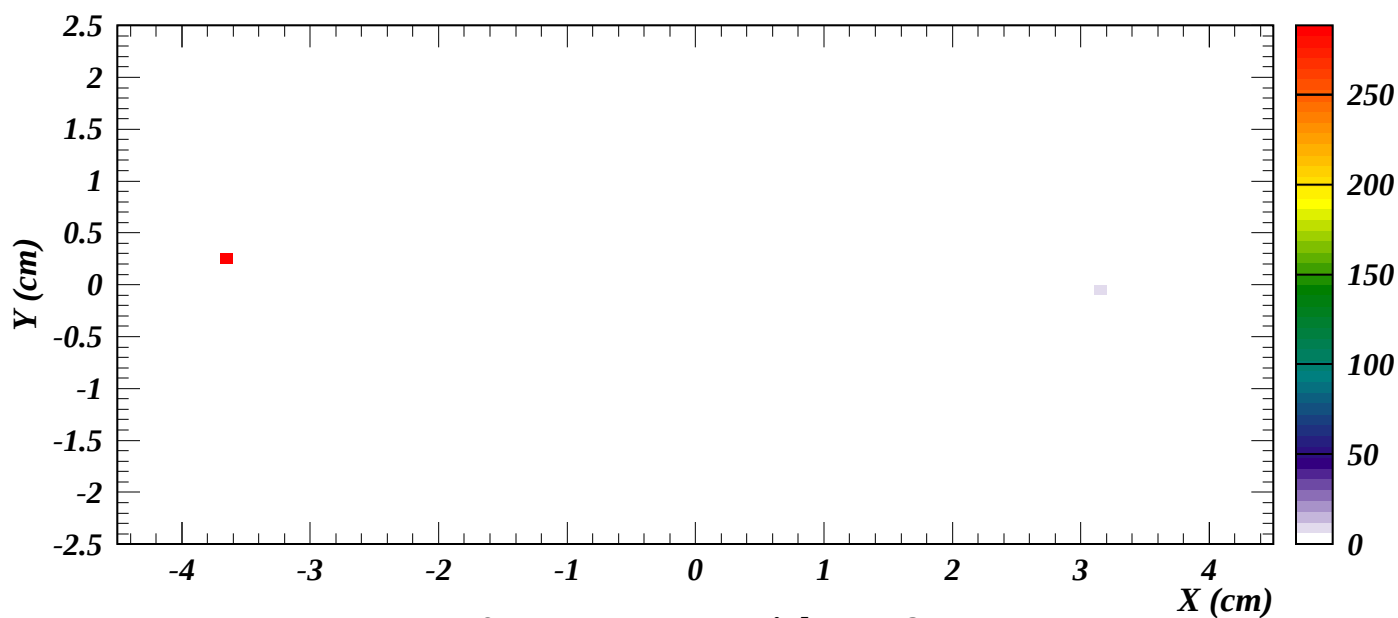


No energy cut: 4574 macroparticles, $7.80143e+06$ e-



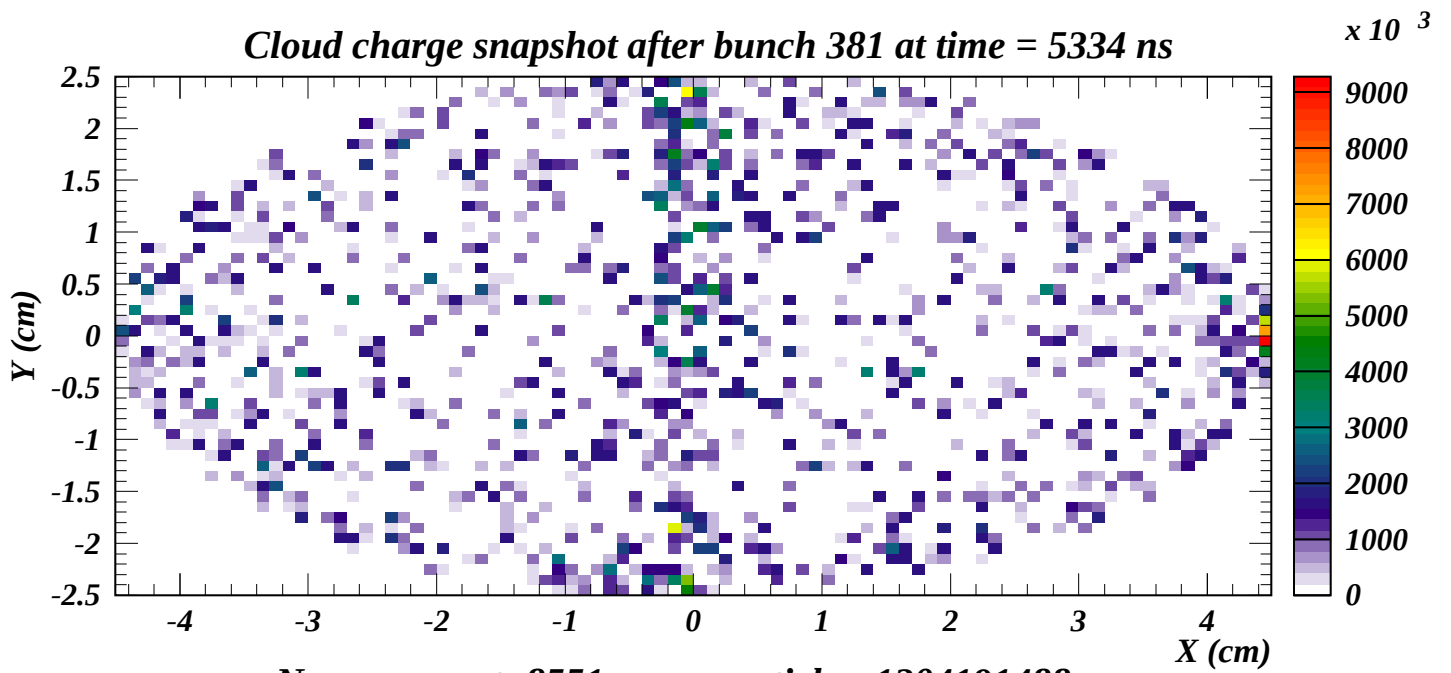
$E_{kin} > 10$ eV: 3 macroparticles, 784.833 e-

Cloud charge snapshot after bunch 343 at time = 4802 ns*No energy cut: 4055 macroparticles, $5.11704e+06$ e-* *$E_{\text{kin}} > 10$ eV: 1 macroparticles, 288.37 e-*

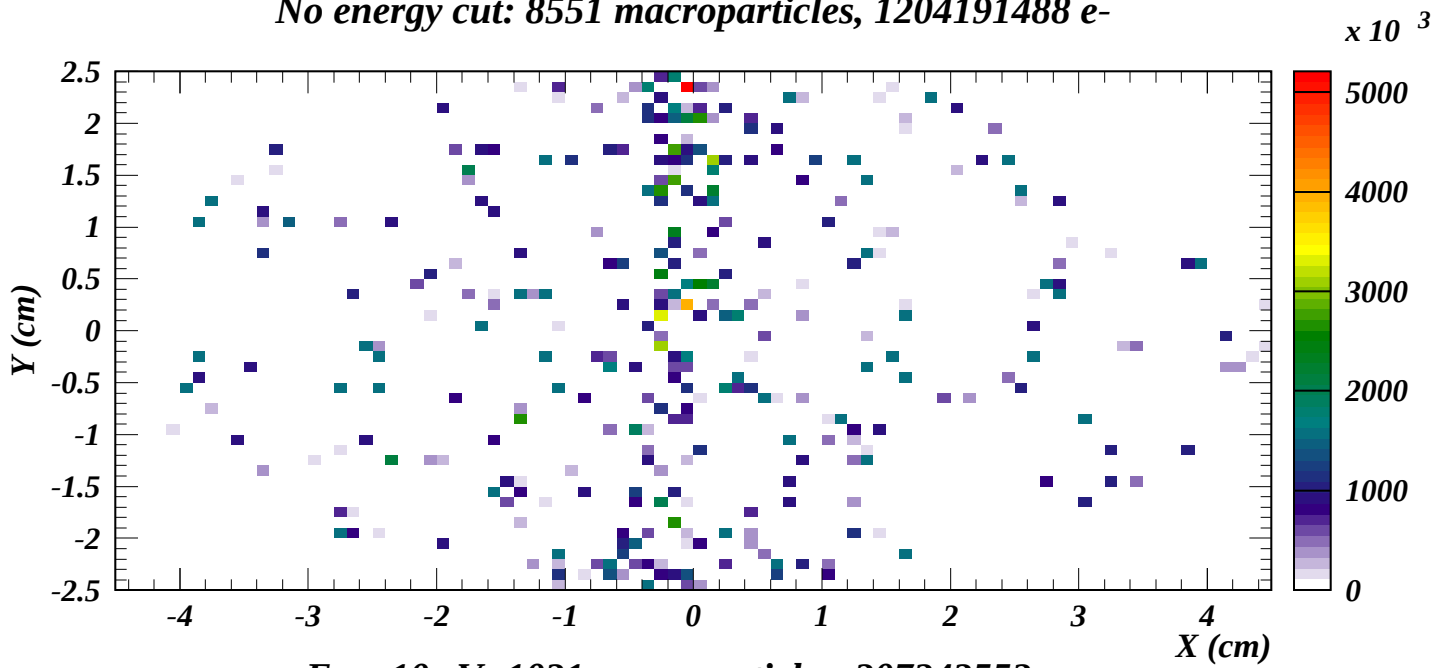
Cloud charge snapshot after bunch 362 at time = 5068 ns*No energy cut: 3640 macroparticles, $3.42109e+06 e^-$*  *$E_{\text{kin}} > 10 \text{ eV}$: 4 macroparticles, 298.66 e^-*

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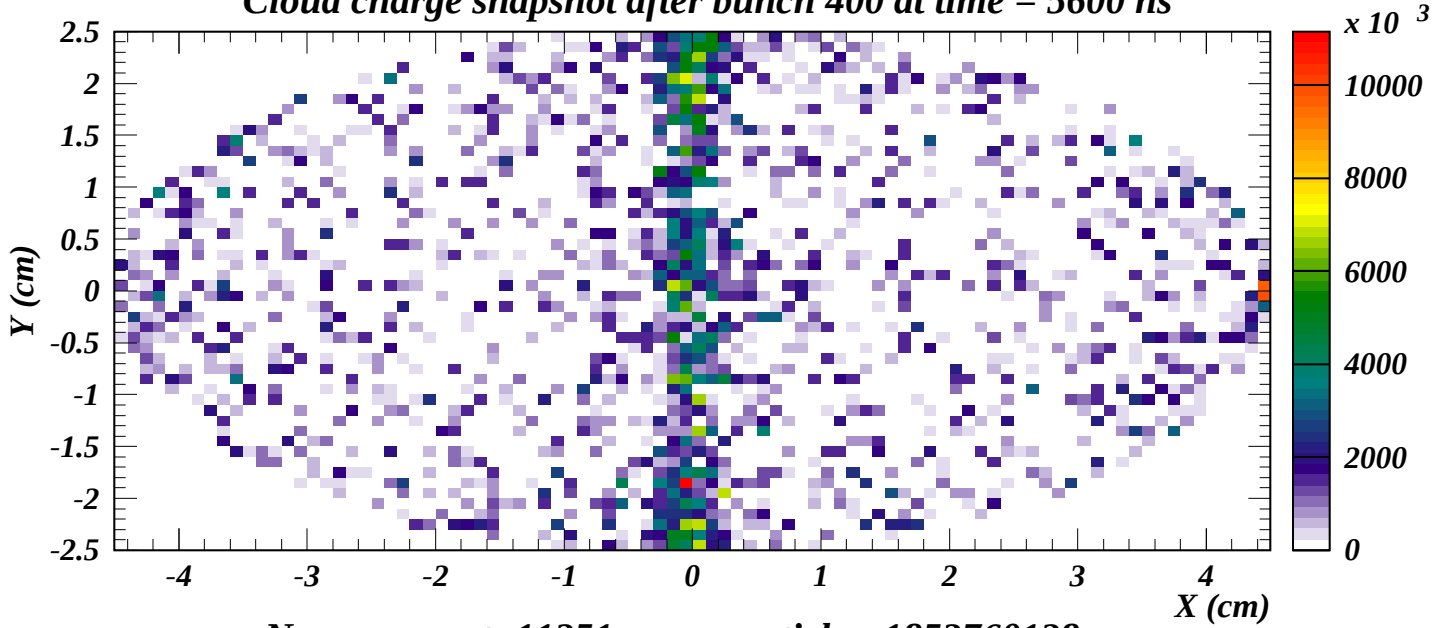
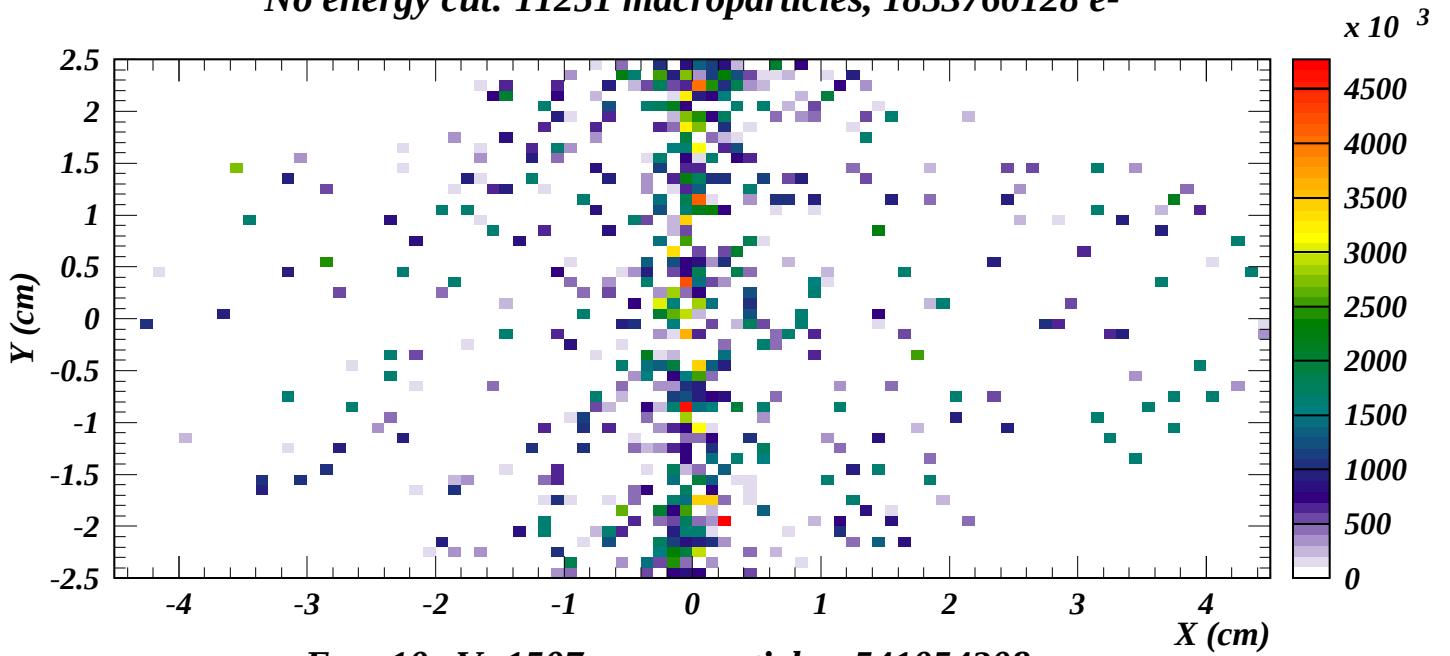
Cloud charge snapshot after bunch 381 at time = 5334 ns

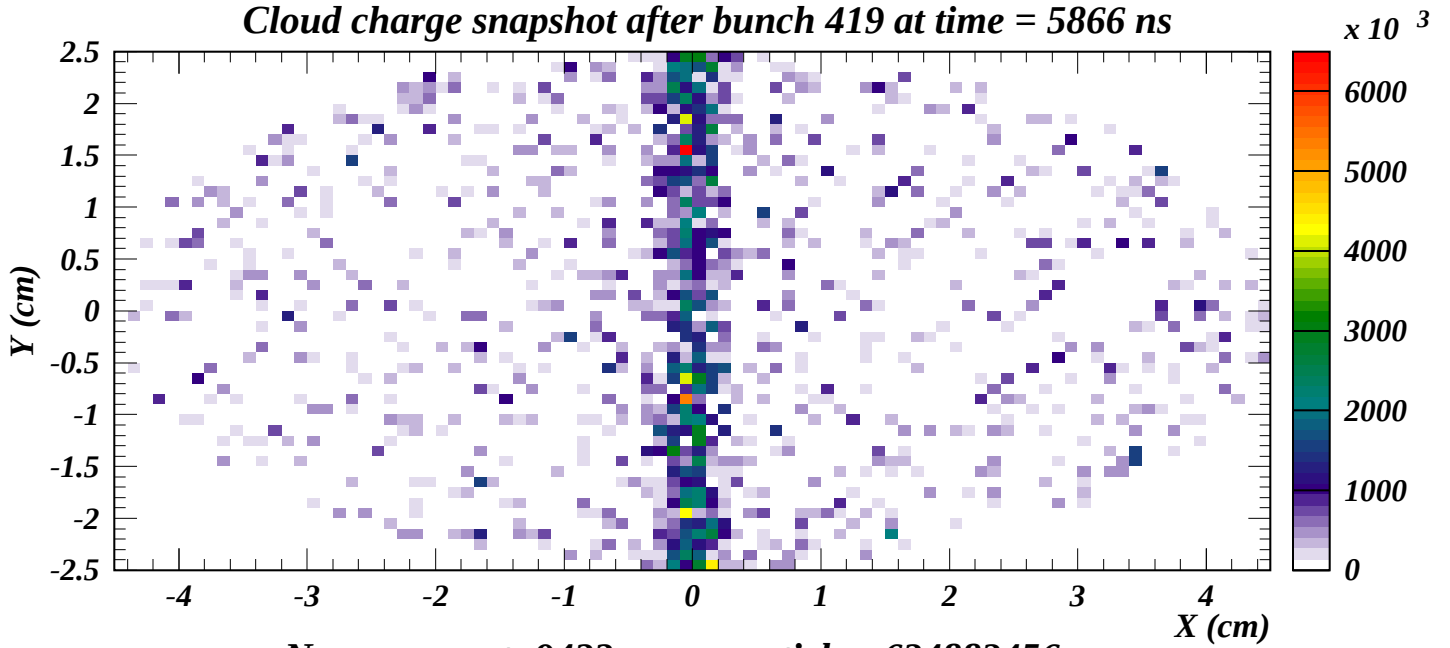
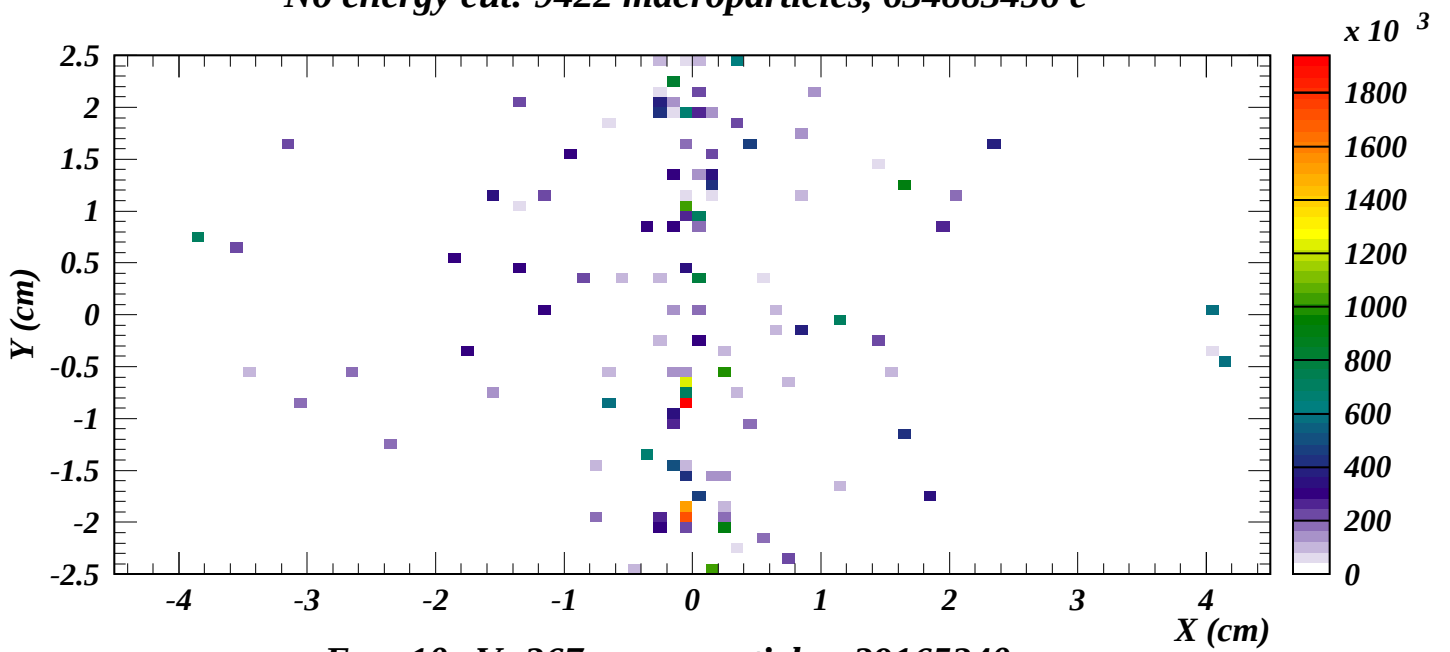


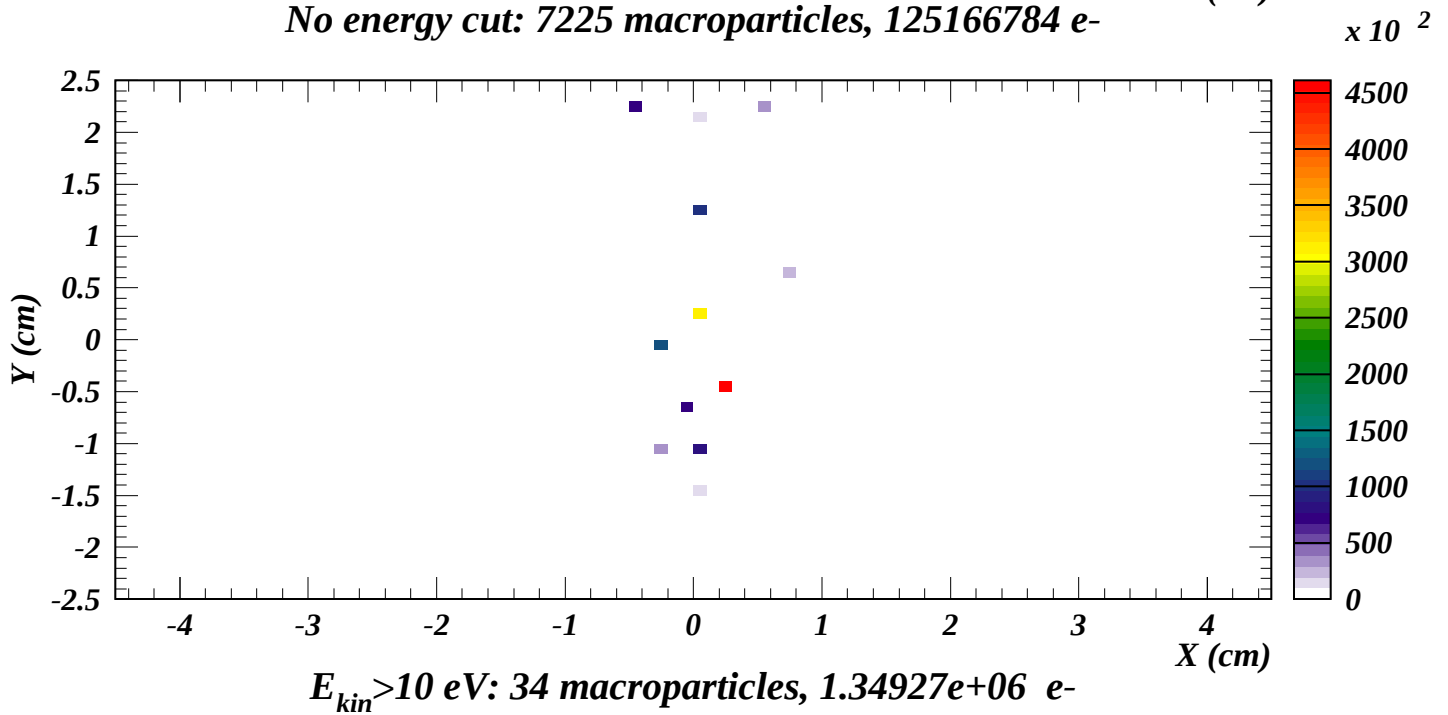
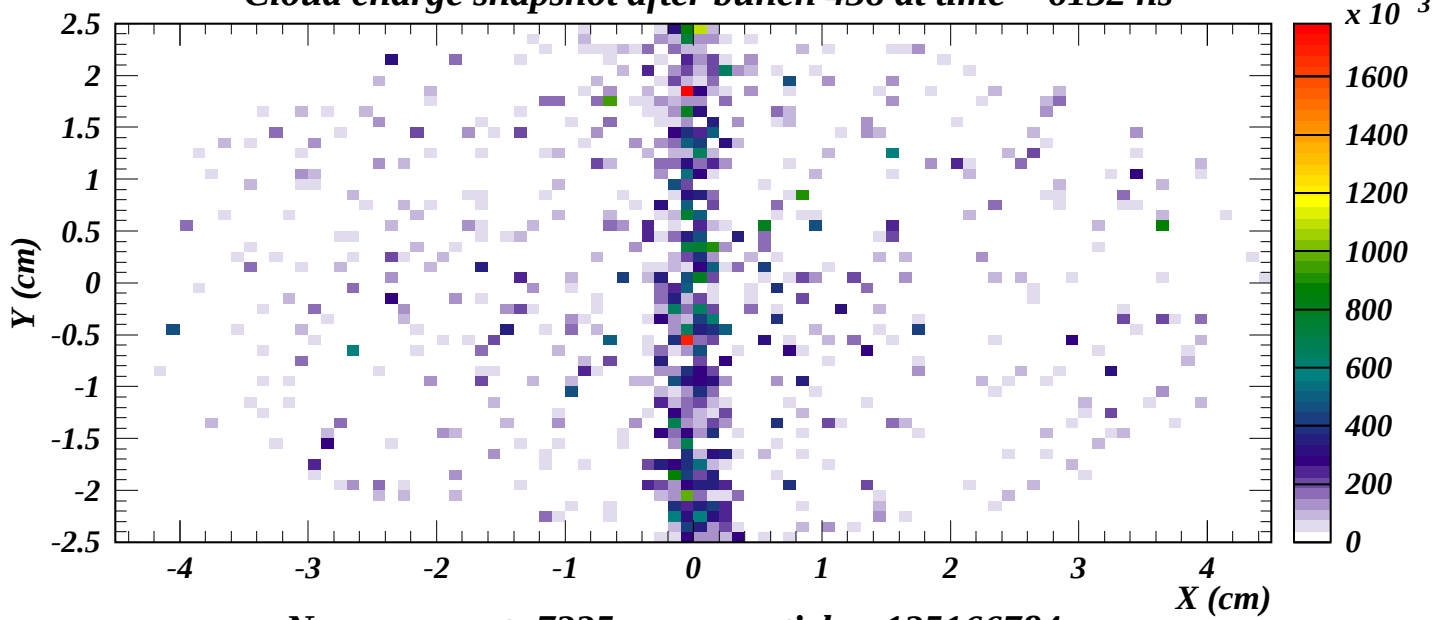
No energy cut: 8551 macroparticles, 1204191488 e-



$E_{kin} > 10$ eV: 1031 macroparticles, 307243552 e-

Cloud charge snapshot after bunch 400 at time = 5600 ns*No energy cut: 11251 macroparticles, 1853760128 e⁻* *$E_{\text{kin}} > 10$ eV: 1507 macroparticles, 541054208 e⁻*

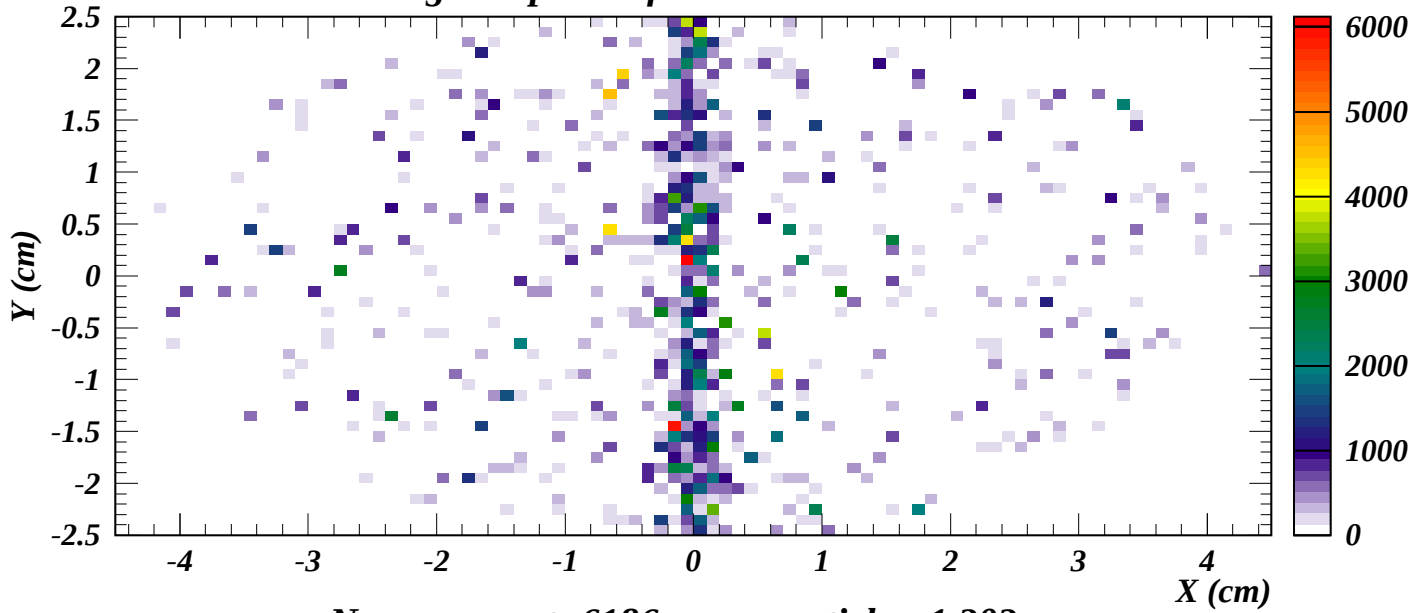
Cloud charge snapshot after bunch 419 at time = 5866 ns*No energy cut: 9422 macroparticles, 634883456 e-* *$E_{kin} > 10$ eV: 267 macroparticles, 39165240 e-*

Cloud charge snapshot after bunch 438 at time = 6132 ns

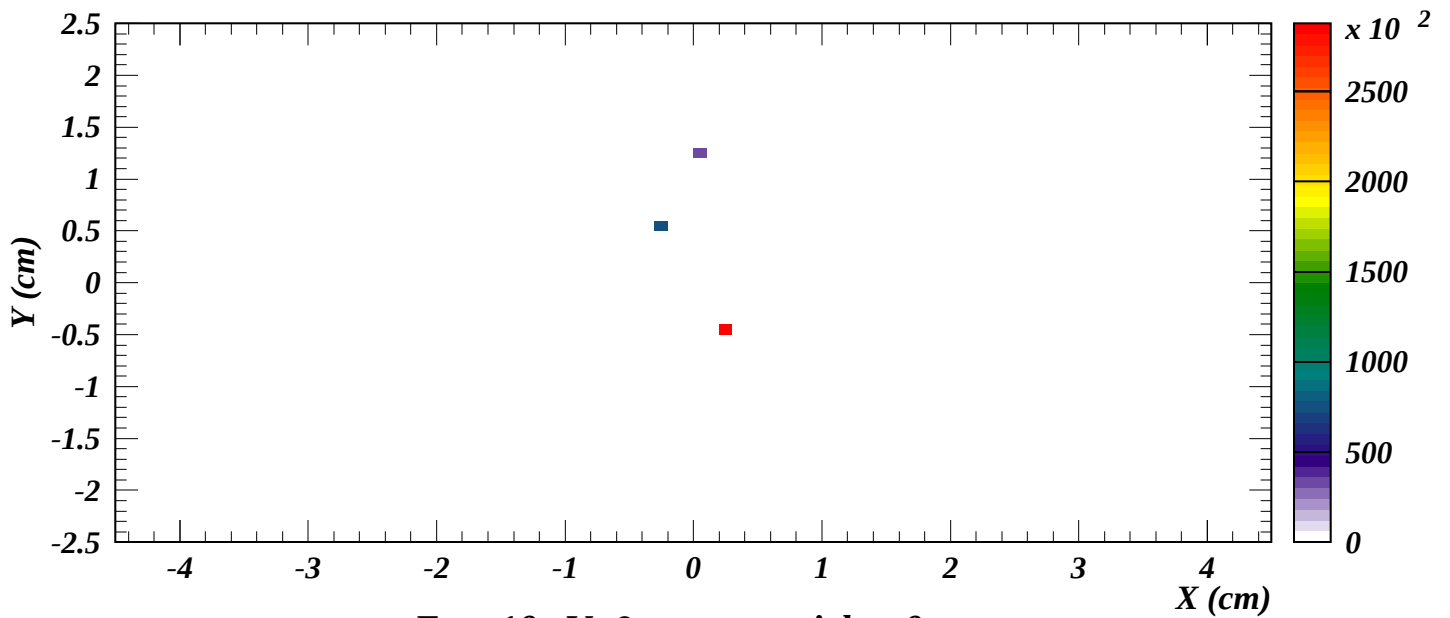
10/03/08 12.41

$\times 10^2$

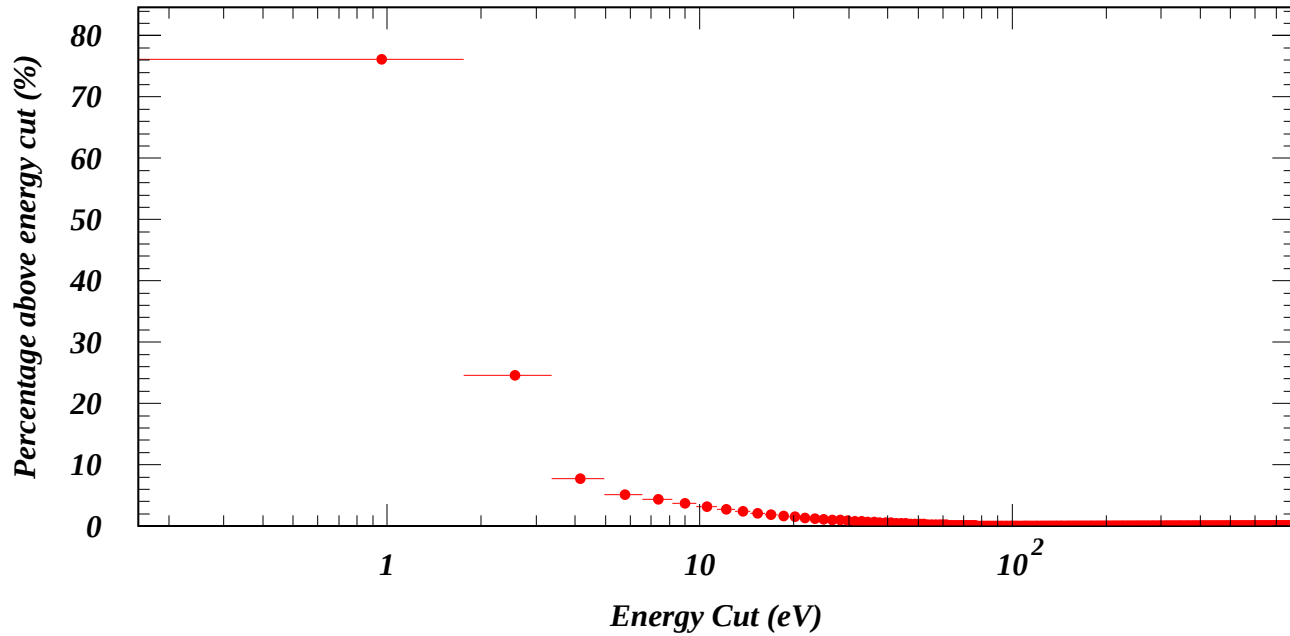
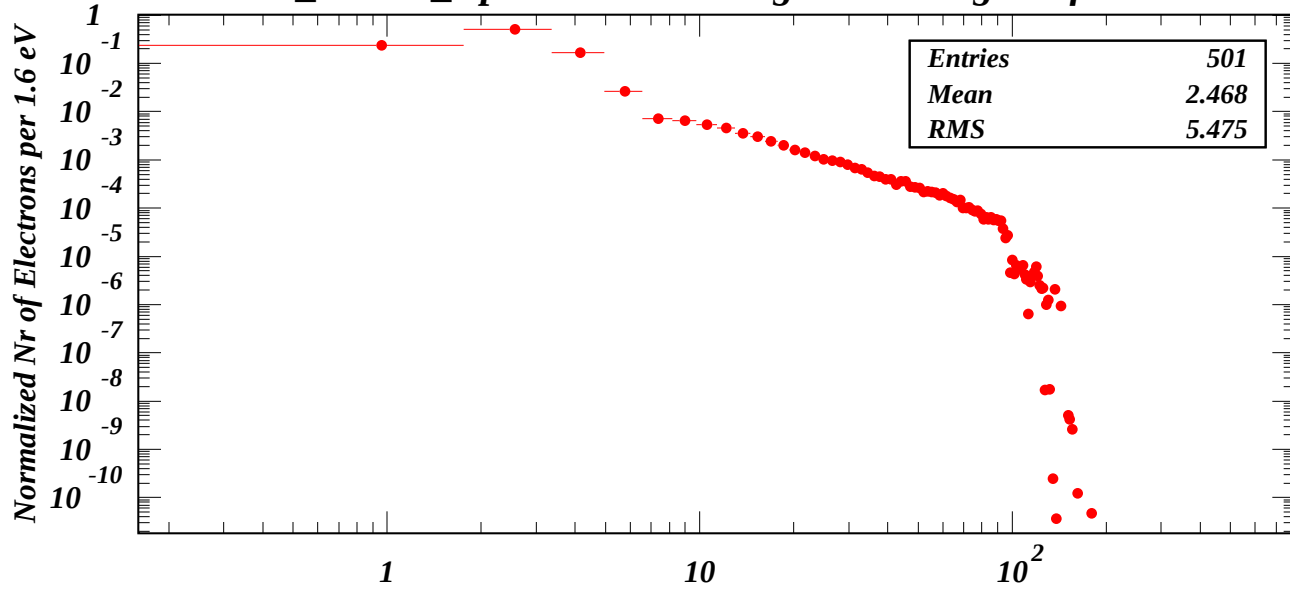
Cloud charge snapshot after bunch 457 at time = 6398 ns

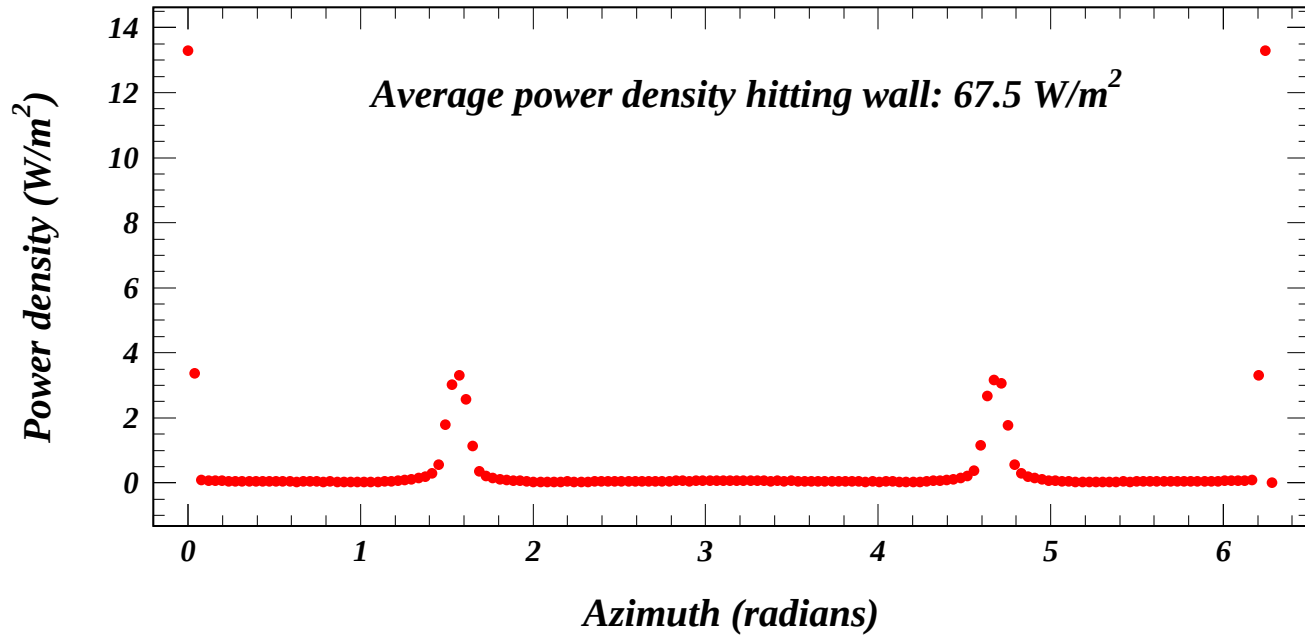
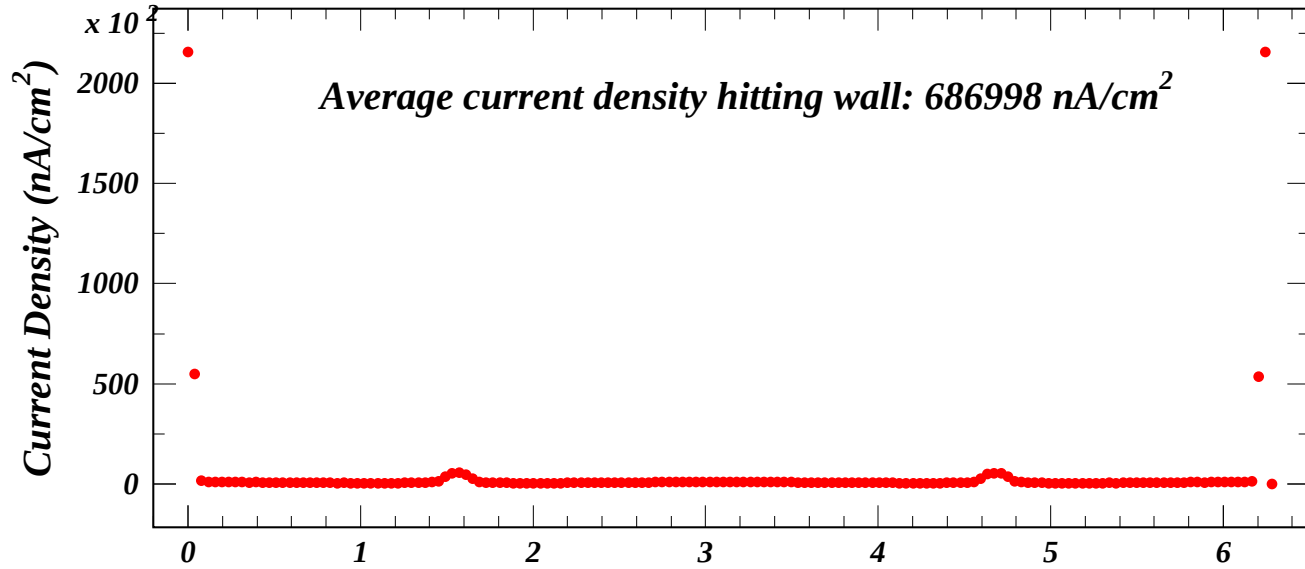


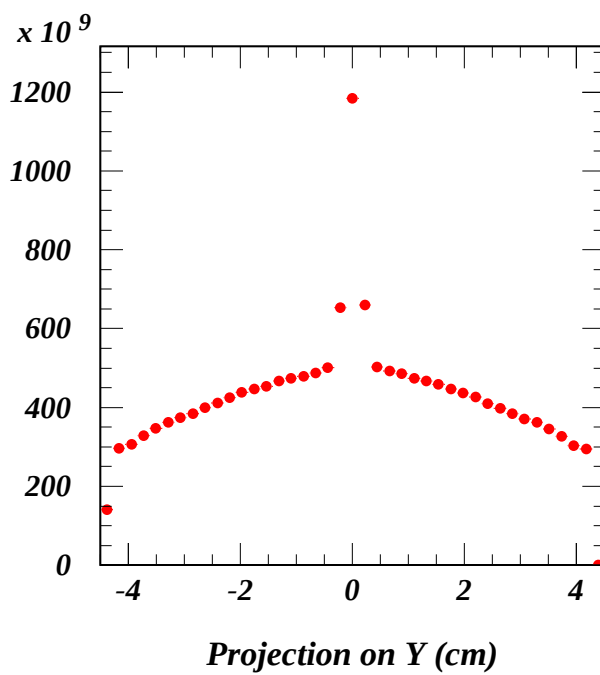
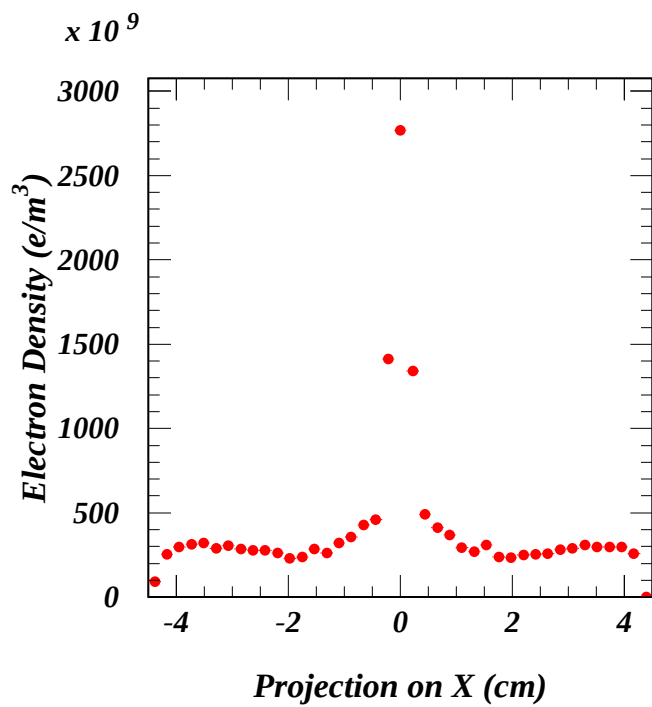
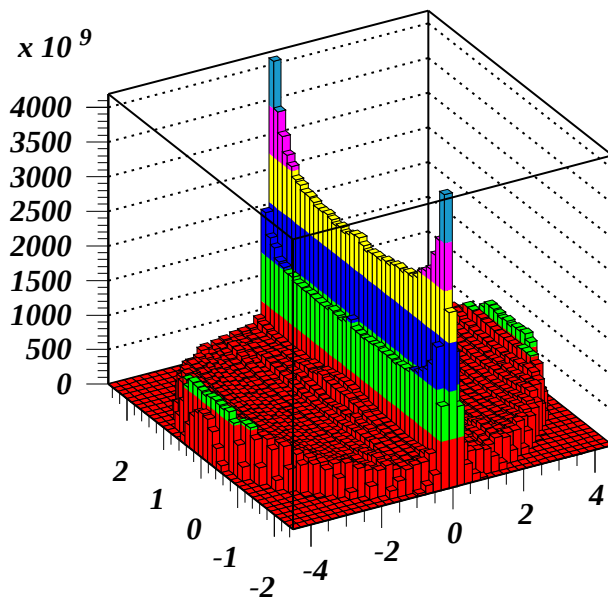
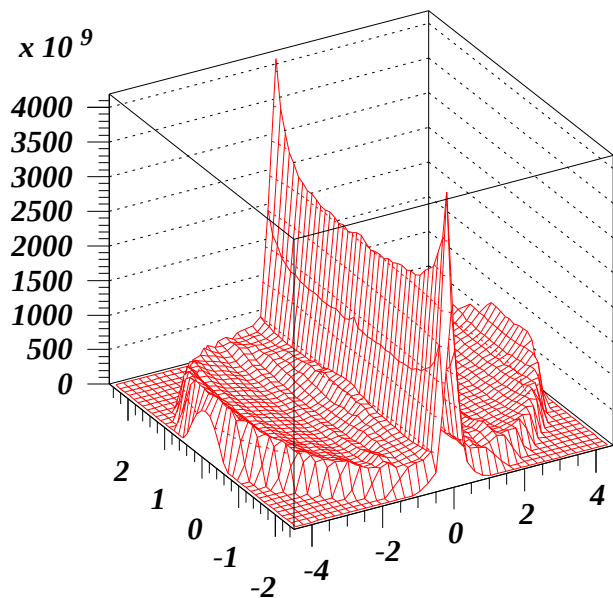
No energy cut: 6186 macroparticles, 1.202 e-



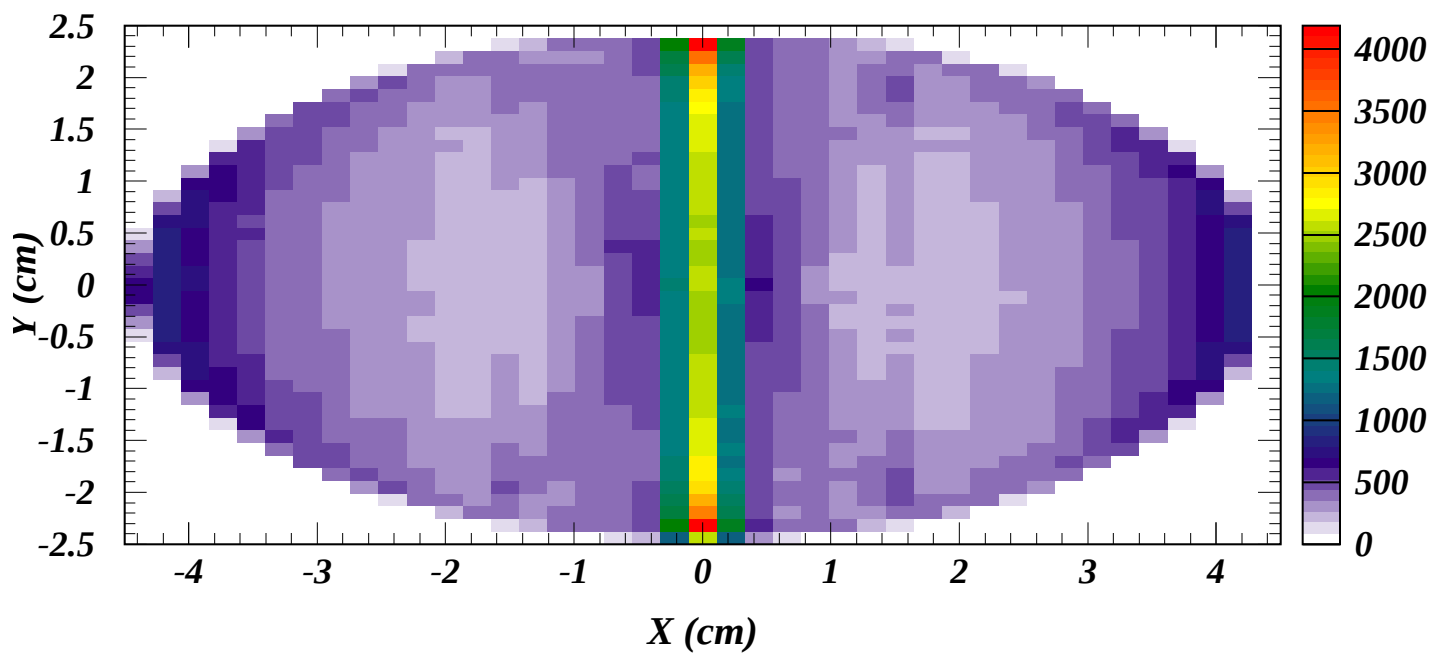
$E_{kin} > 10$ eV: 9 macroparticles, 0 e-

ECLOUD-TS0608_SEY20_Epk310: Time-Integrated Energies of Electrons Hitting Wall

ECLLOUD-TS0608_SEY20_Epk310: Time-Integrated Energies of Electrons Hitting Wall

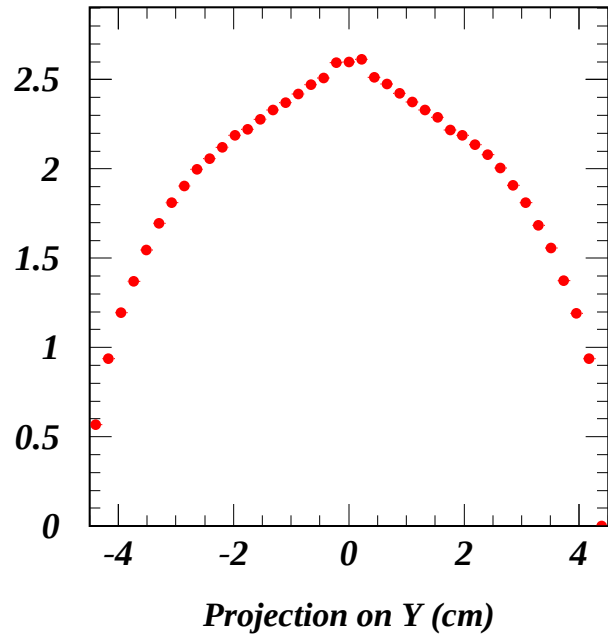
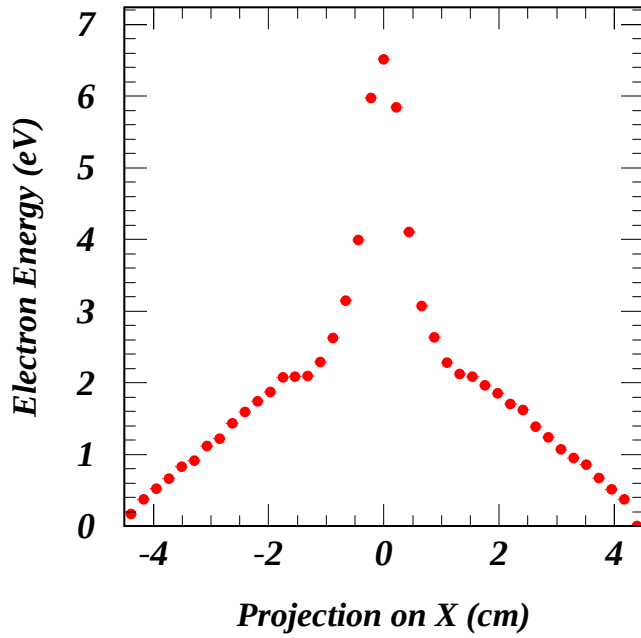
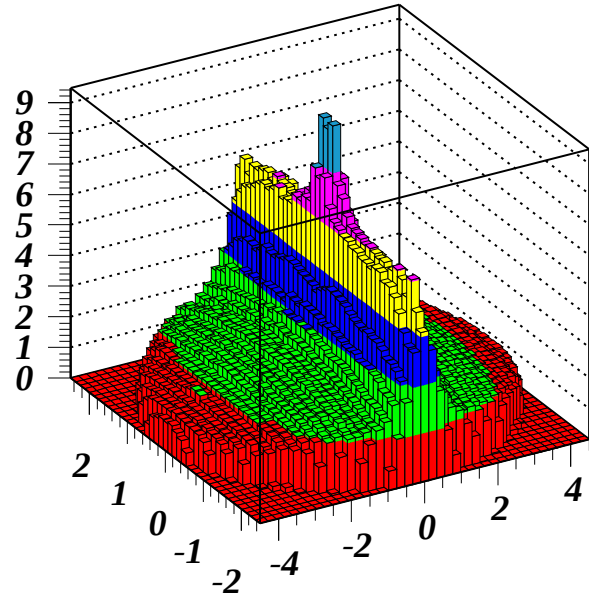
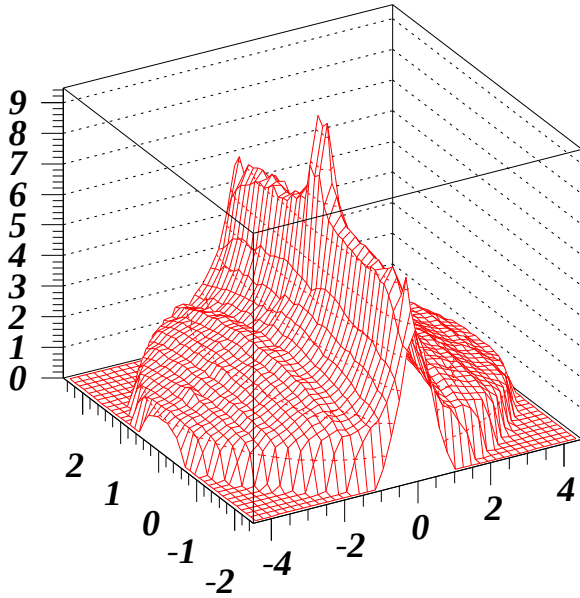
ECLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 20510 ns

10/03/08 12.42
ECLOUD-TS0608_SEY20_Epk310: Cloud Density (e/m^3) Averaged Over 20510 ns $\times 10^9$



10/03/08 12.42

ECLOUD-TS0608_SEY20_Epk310: Electron Energies (eV) Averaged Over 20510 ns



10/03/08 12.42

ECLOUD-TS0608_SEY20_Epk310: Electron Energies (eV) Averaged Over 20510 ns

