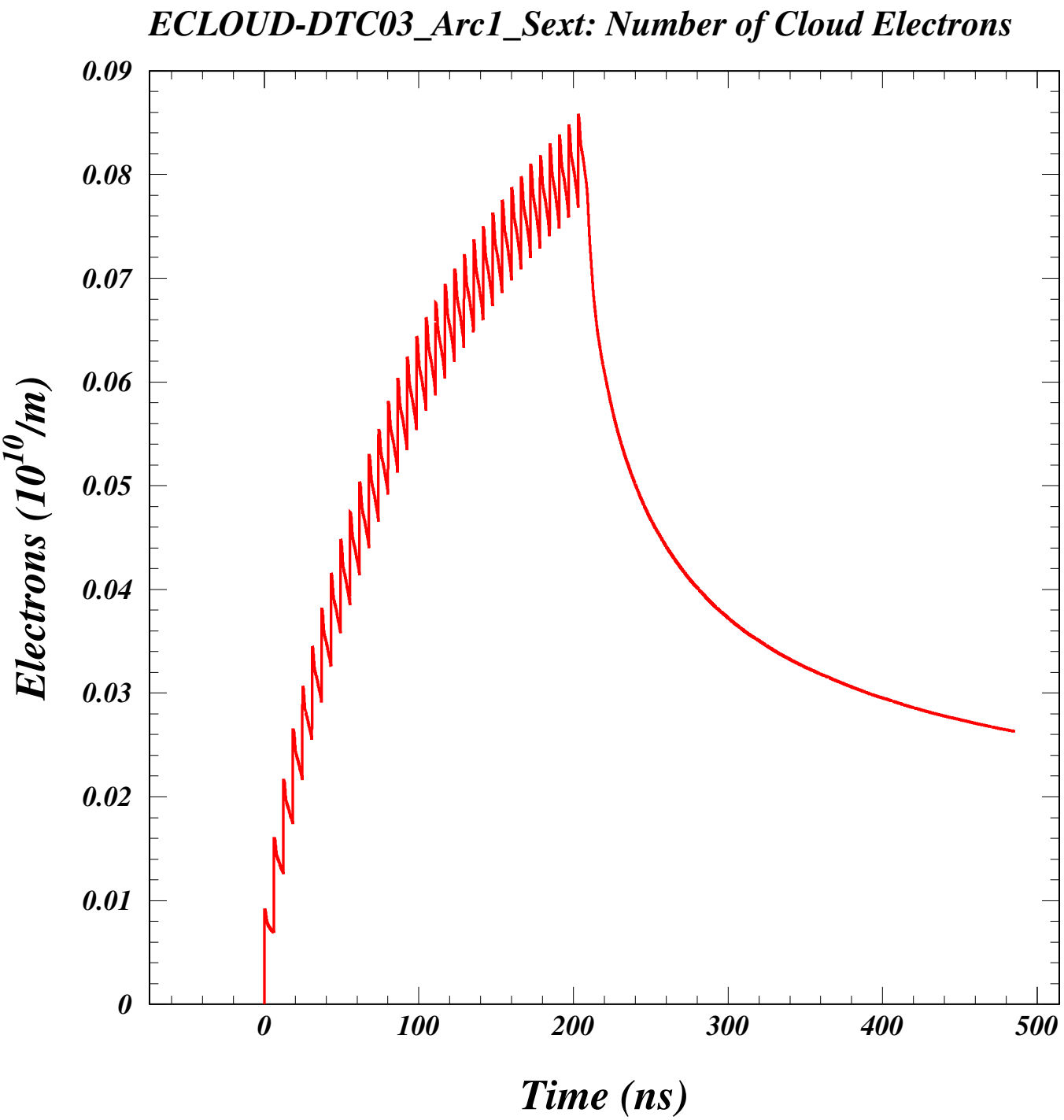
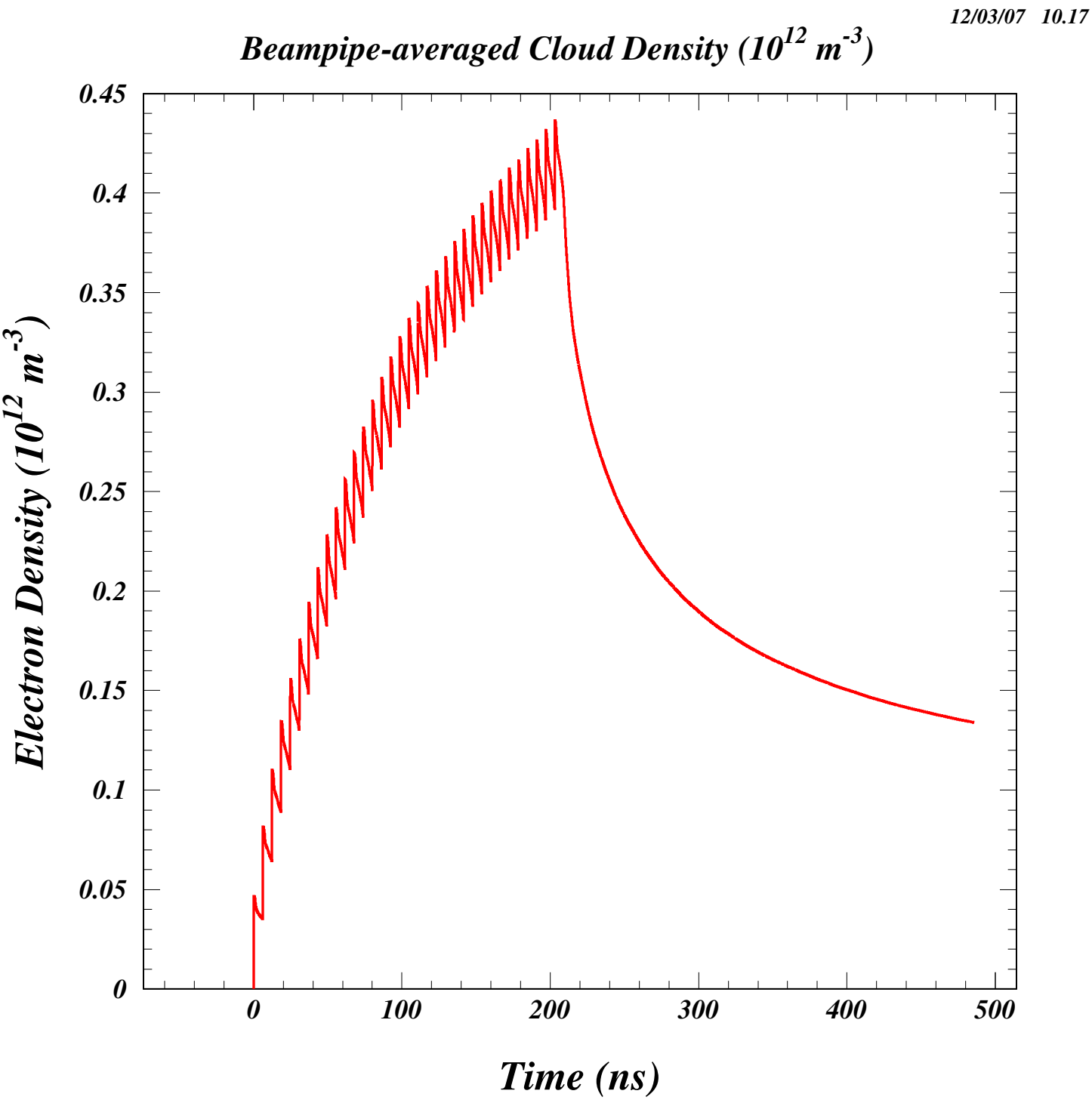
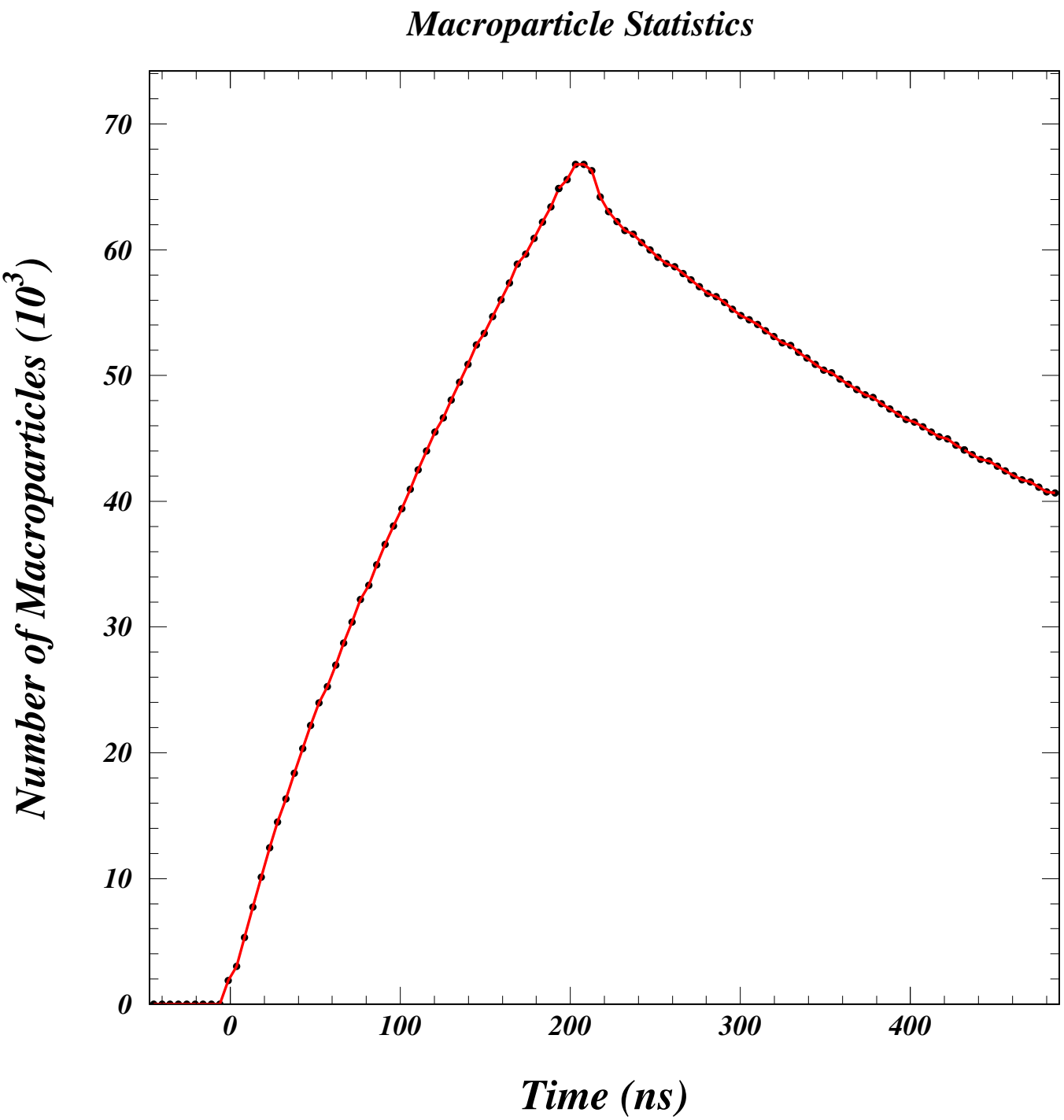
12/03/07 10.17

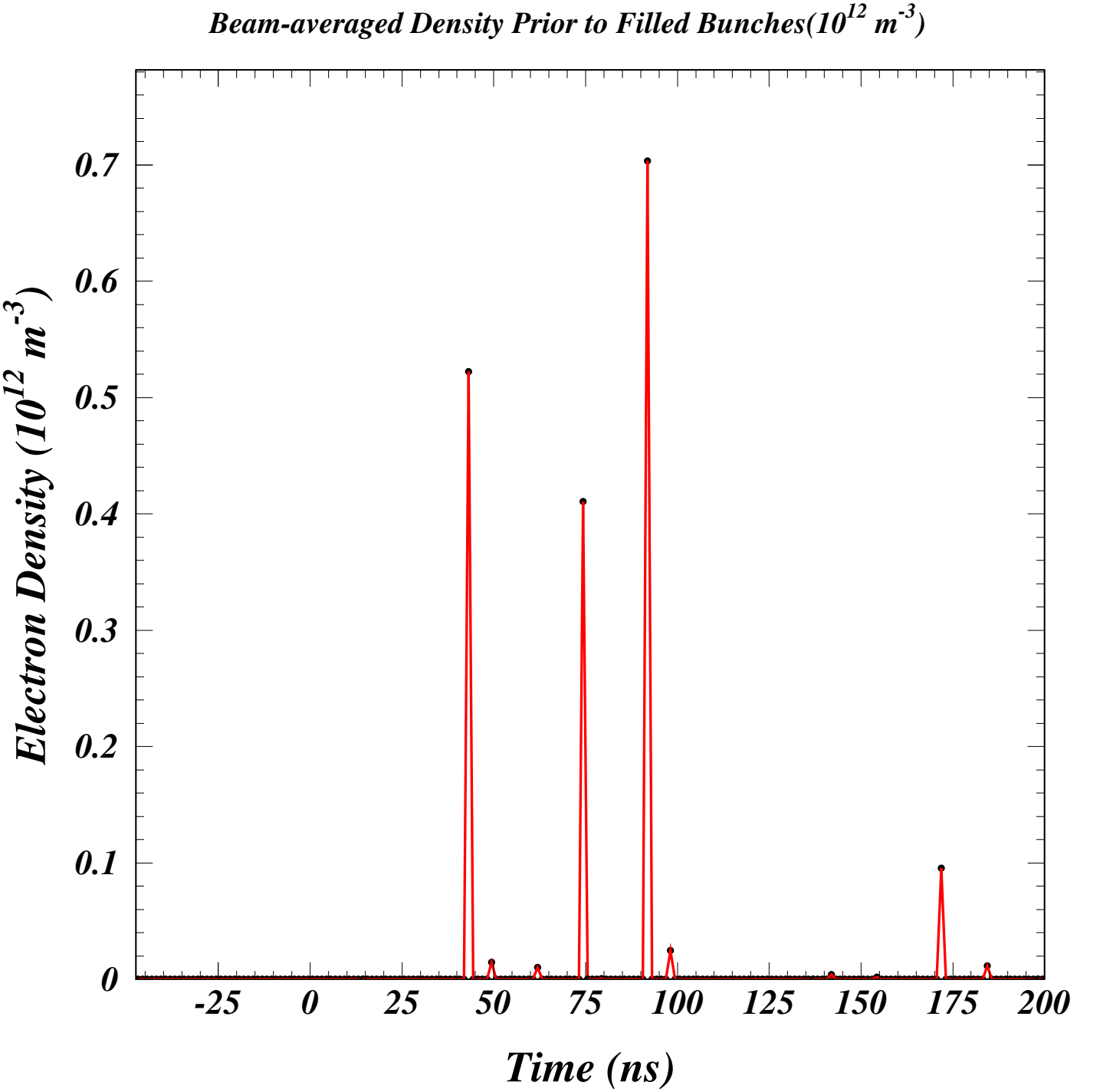

ECLOUD-DTC03_Arc1_Sext: Number of Cloud Electrons
Electrons (10^{10}/m)
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
100
200
300
400
500
Time (ns)


12/03/07 10.17
Beampipe-averaged Cloud Density (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
100
200
300
400
500
Time (ns)

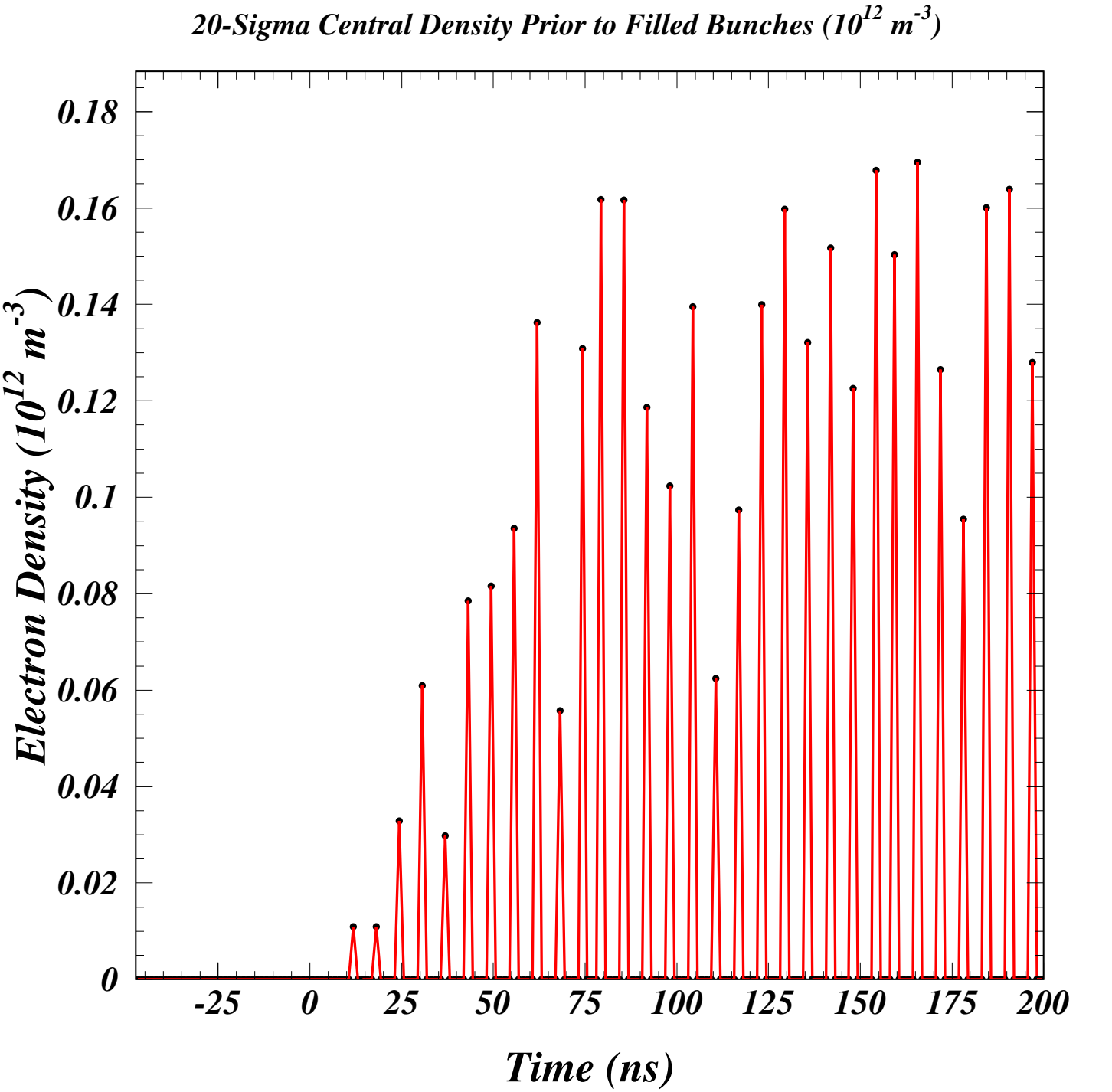
12/03/07 10.17


Macroparticle Statistics
Number of Macroparticles (10^3)
70
60
50
40
30
20
10
0
0
100
200
300
400
Time (ns)

12/03/07 10.17

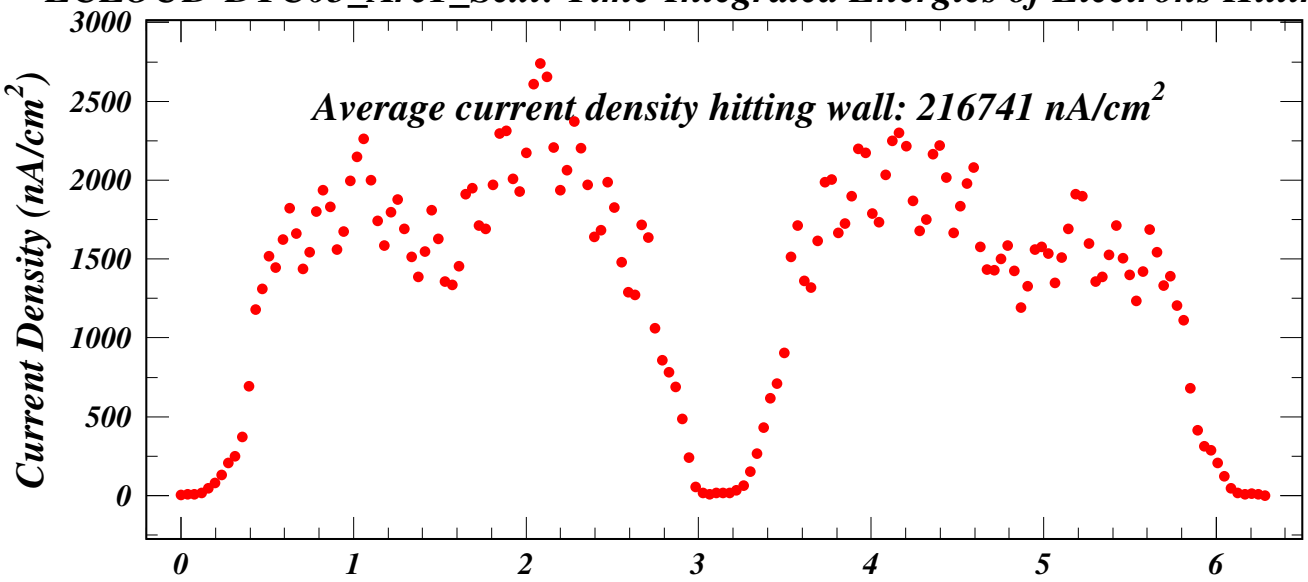

Beam-averaged Density Prior to Filled Bunches(10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
-25
0
25
50
75
100
125
150
175
200
Time (ns)

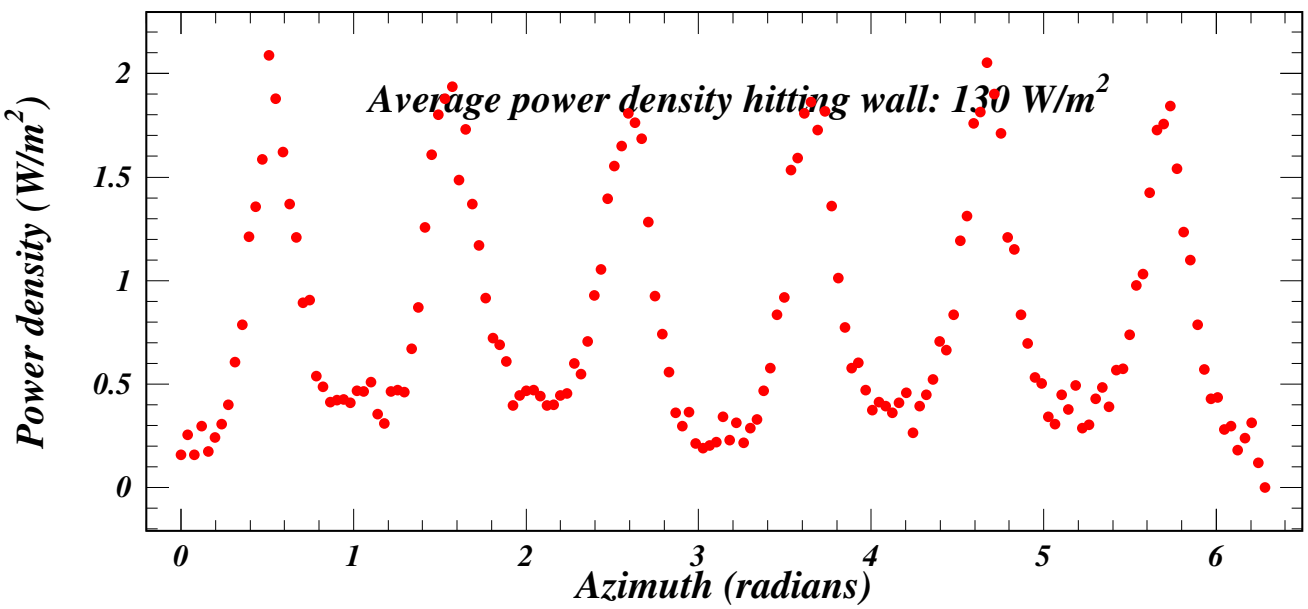
12/03/07 10.17


20-Sigma Central Density Prior to Filled Bunches (10^{12} m^{-3})
Electron Density (10^{12} m^{-3})
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-25
0
25
50
75
100
125
150
175
200
Time (ns)

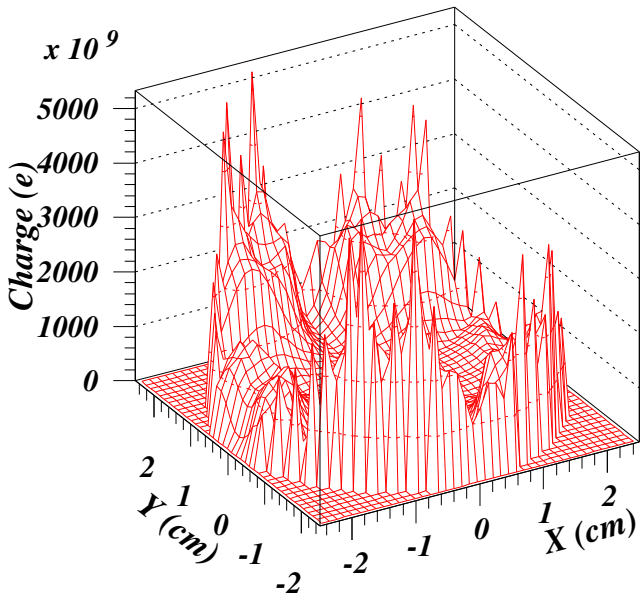
12/03/07 10.17

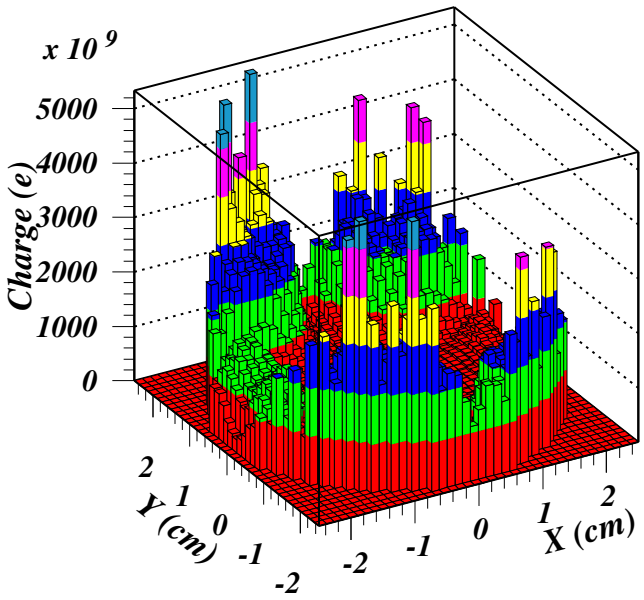
ECLOUD-DTC03_Arc1_Sext: Time-Integrated Energies of Electrons Hitting Wall

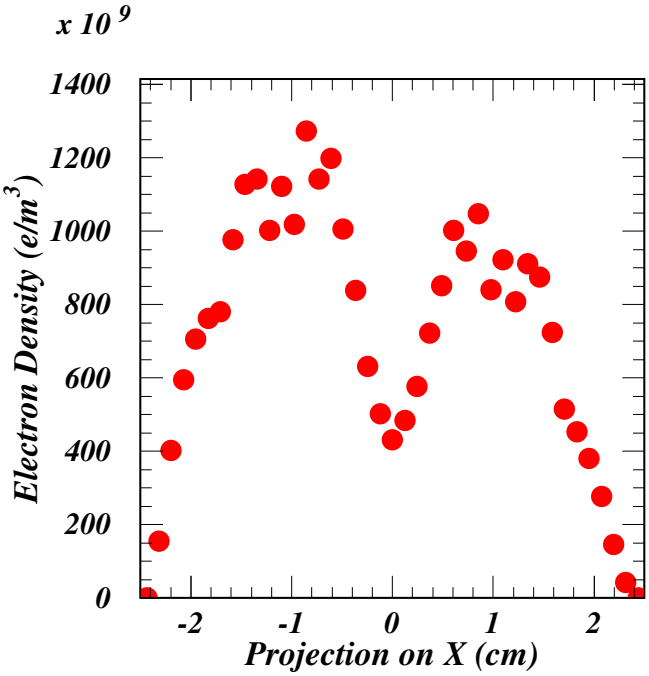


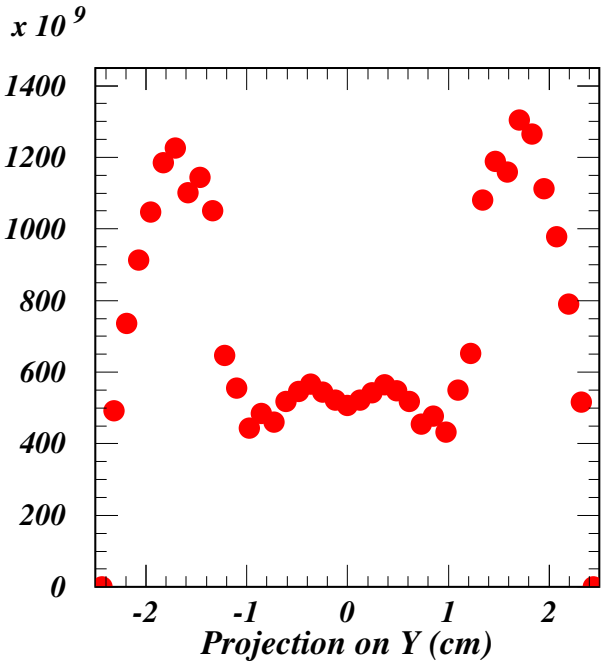


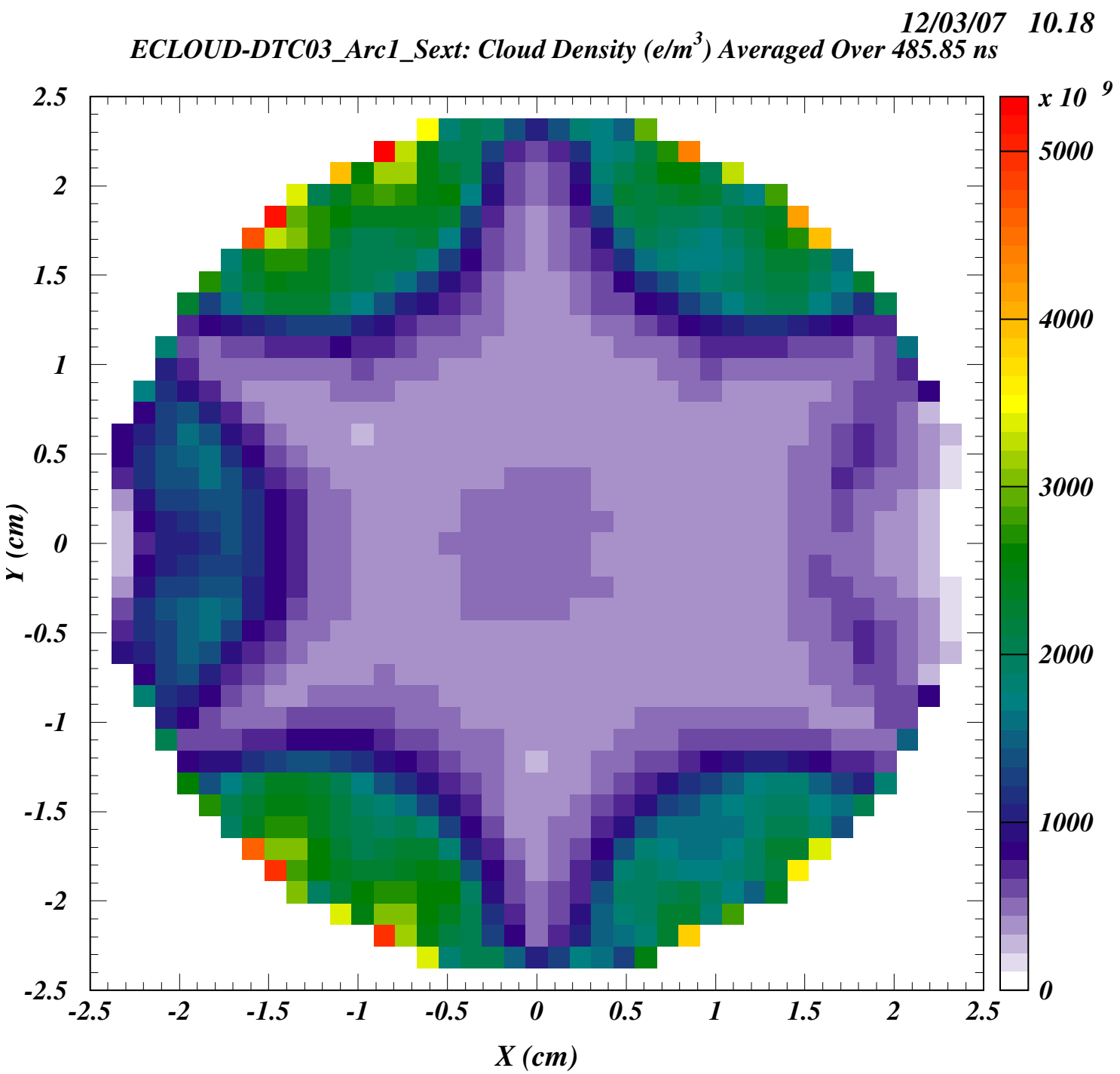
ECLOUD-DTC03_Arc1_Sext: Cloud Density (e/m^3) Averaged Over 485.85 ns



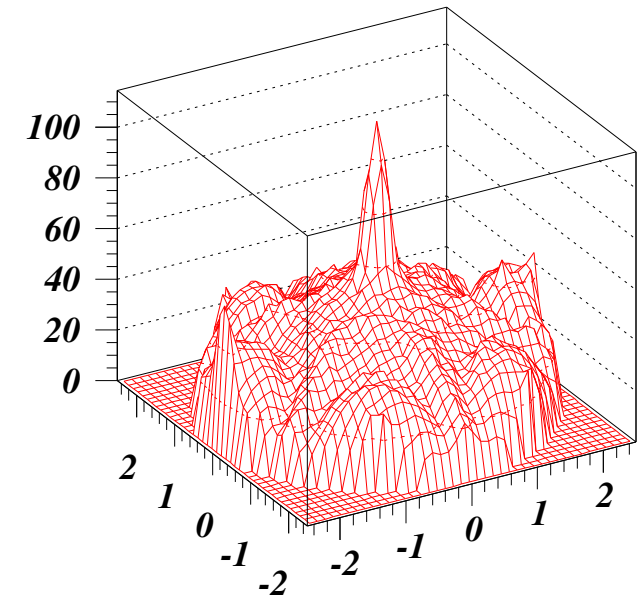


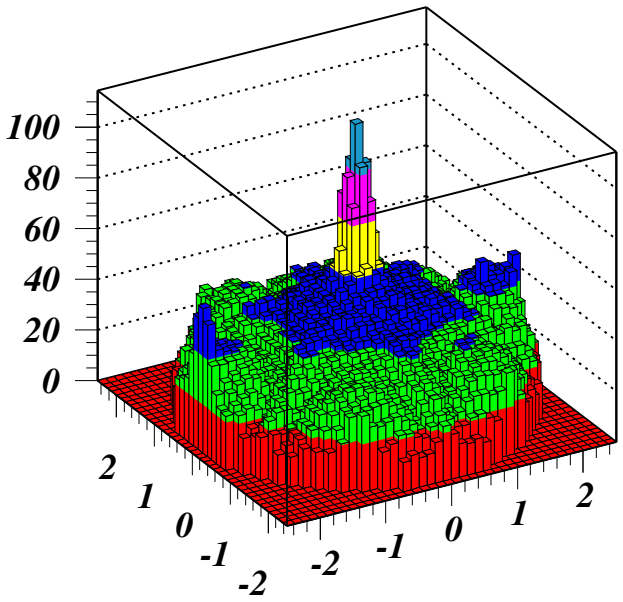


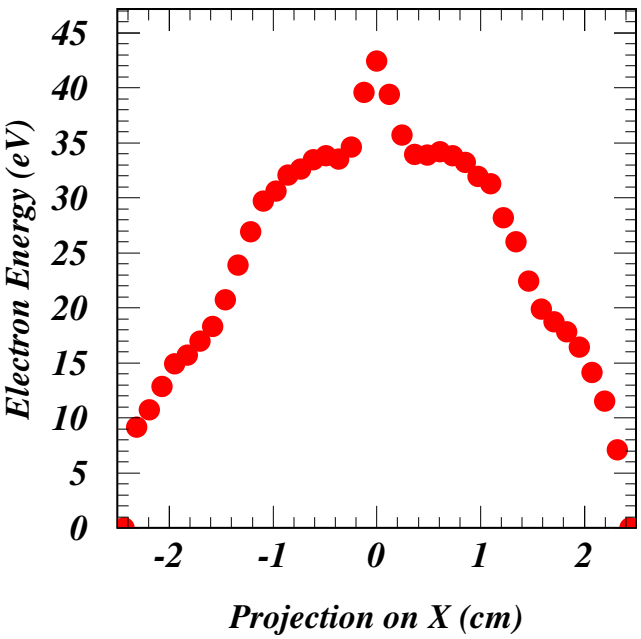


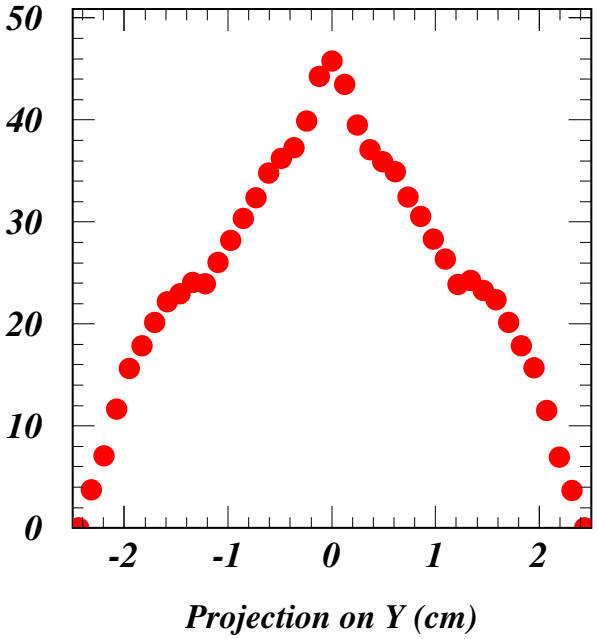

12/03/07 10.18
ECLOUD-DTC03_Arc1_Sext: Cloud Density (e/m3) Averaged Over 485.85 ns
x 10 9
5000
4000
3000
2000
1000
0
Y (cm)
X (cm)
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5

ECLOUD-DTC03_Arc1_Sext: Electron Energies (eV) Averaged Over 485.85 ns









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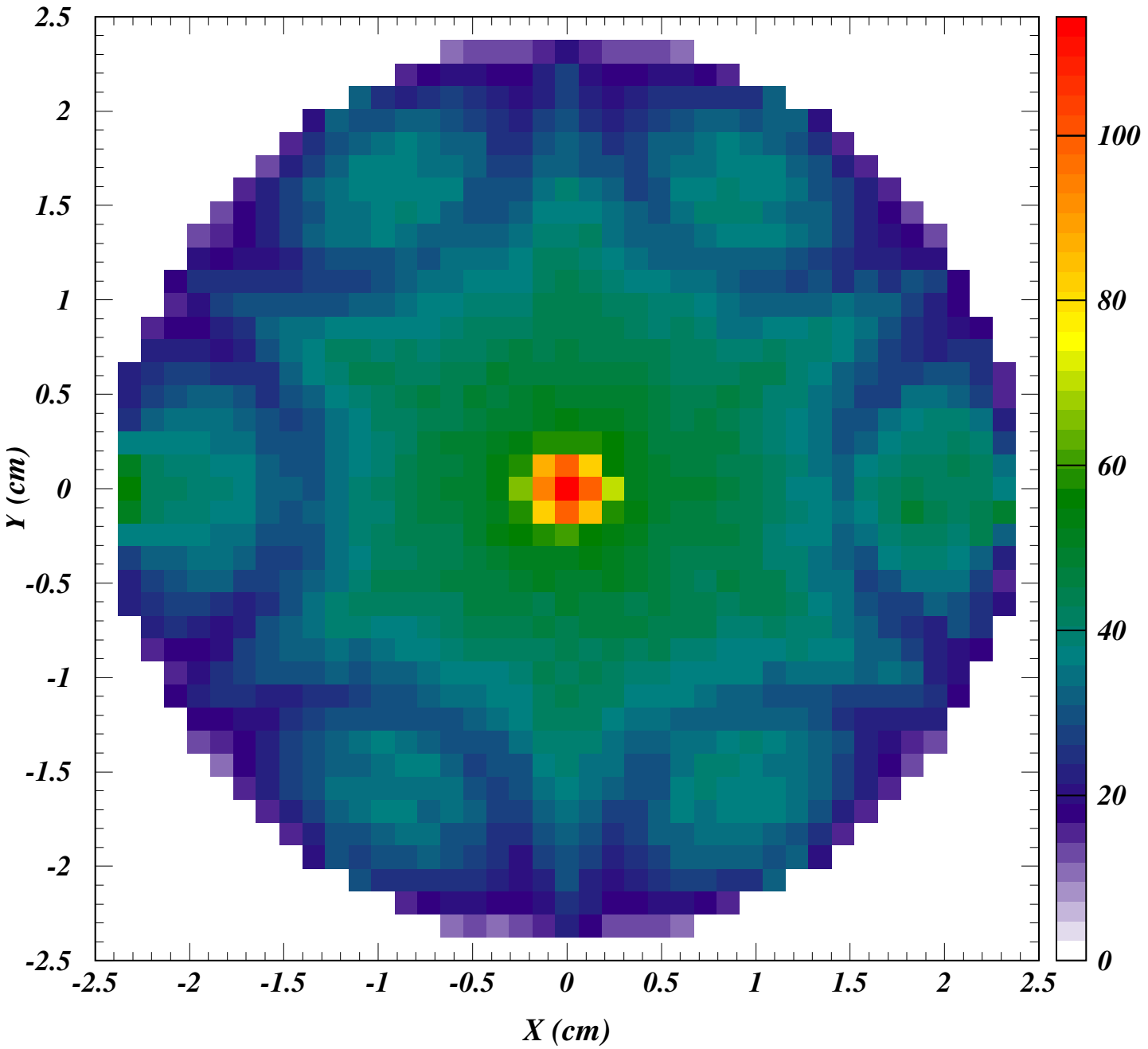
ECLOUD-DTC03_Arc1_Sext: Electron Energies (eV) Averaged Over 485.85 ns



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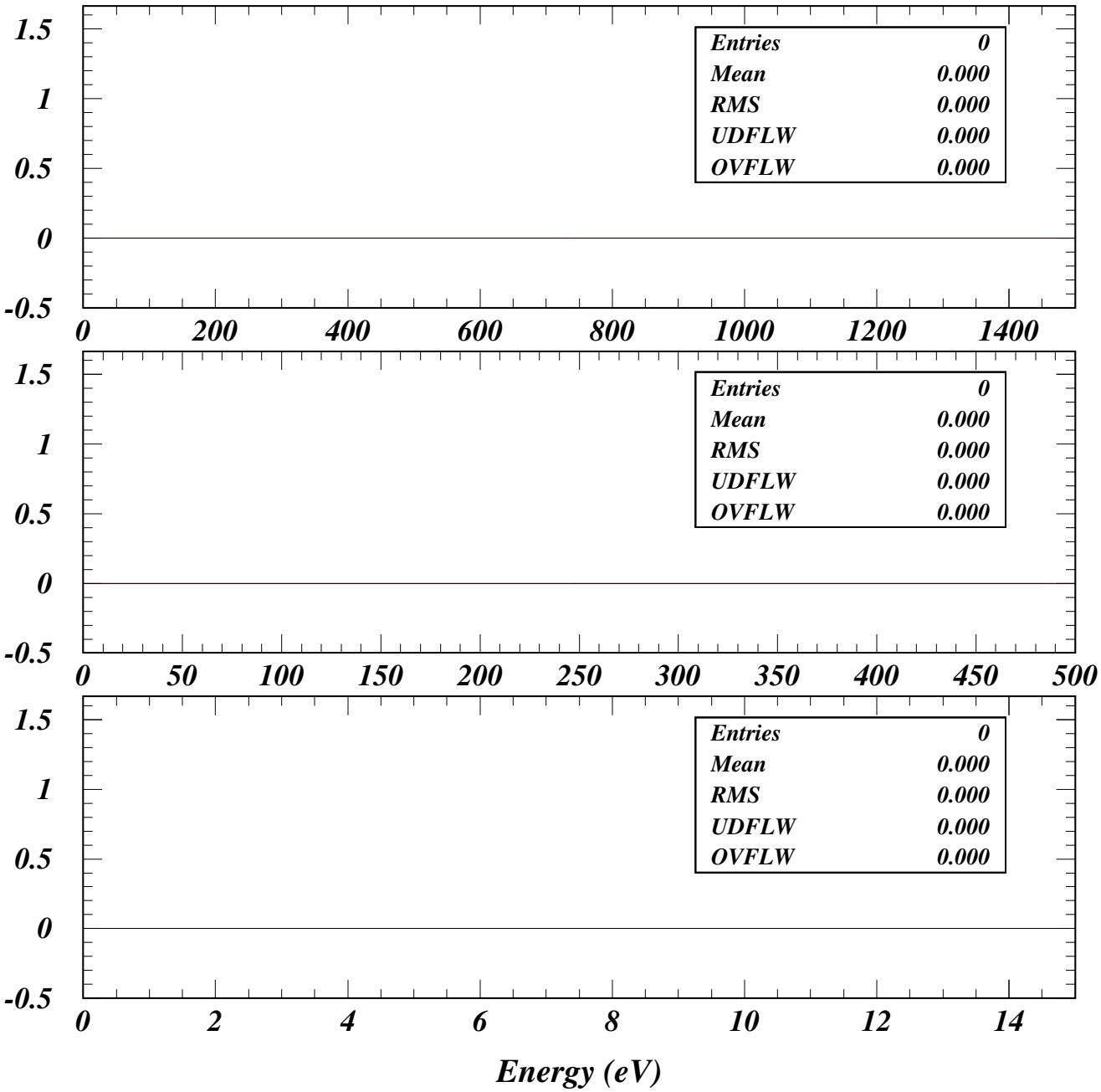
DTC03_Arc1_Sext: Photoelectrons from Direct Photons



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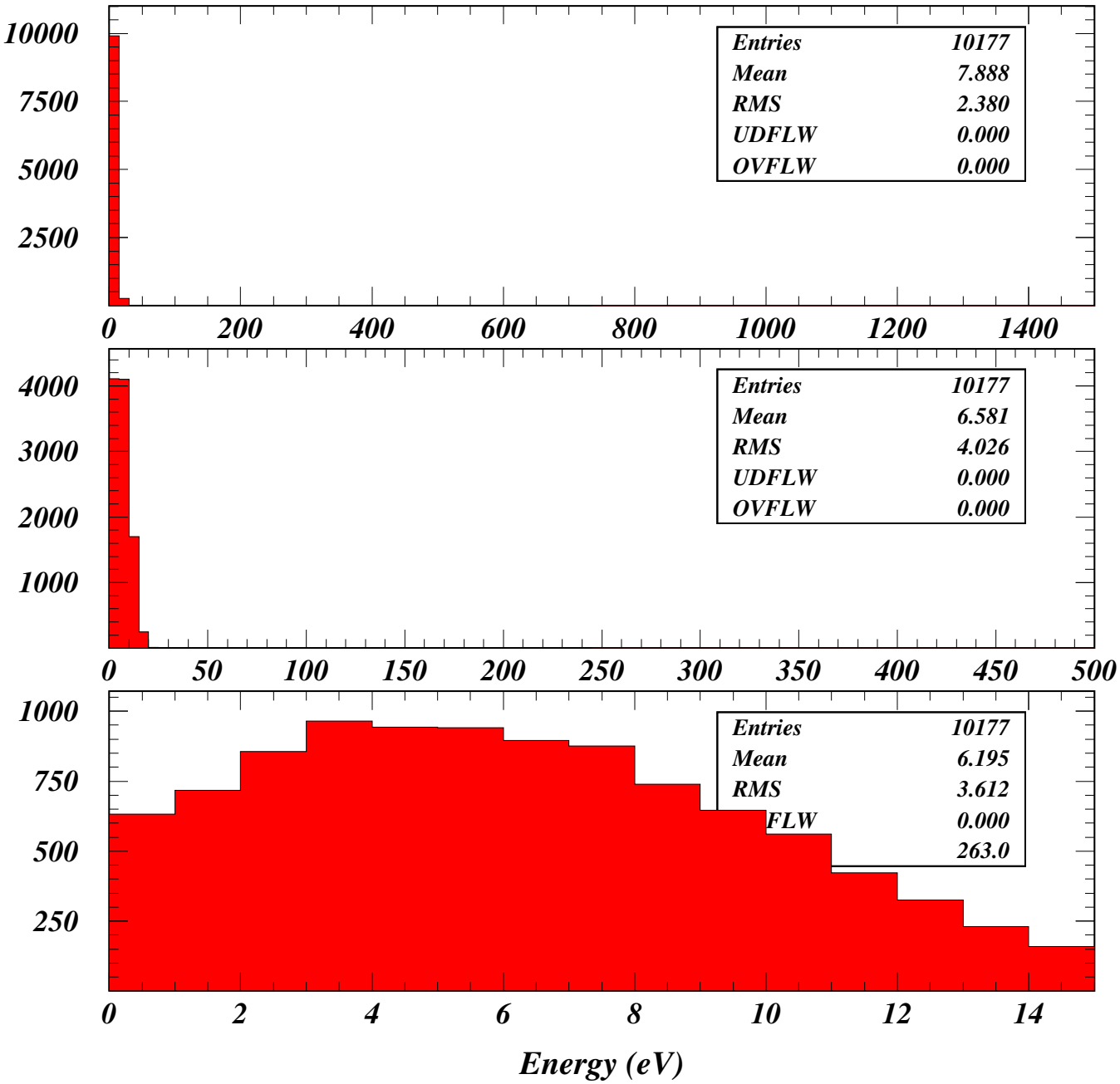
DTC03_Arc1_Sext: Photoelectrons from Reflected Photons



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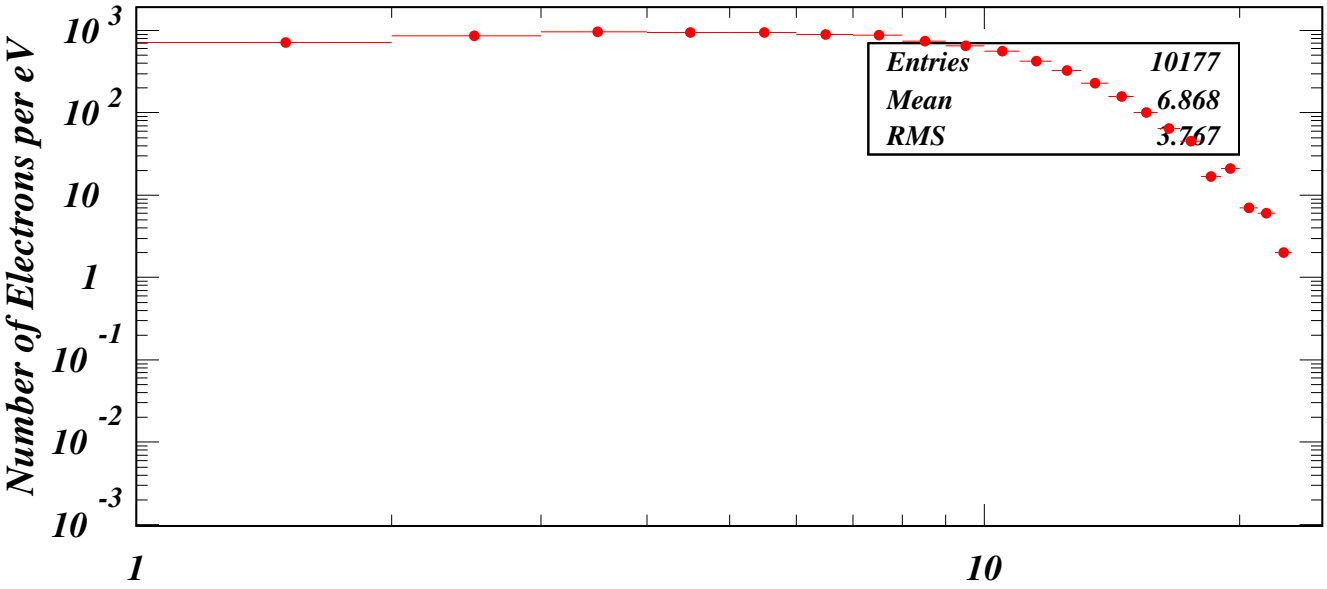
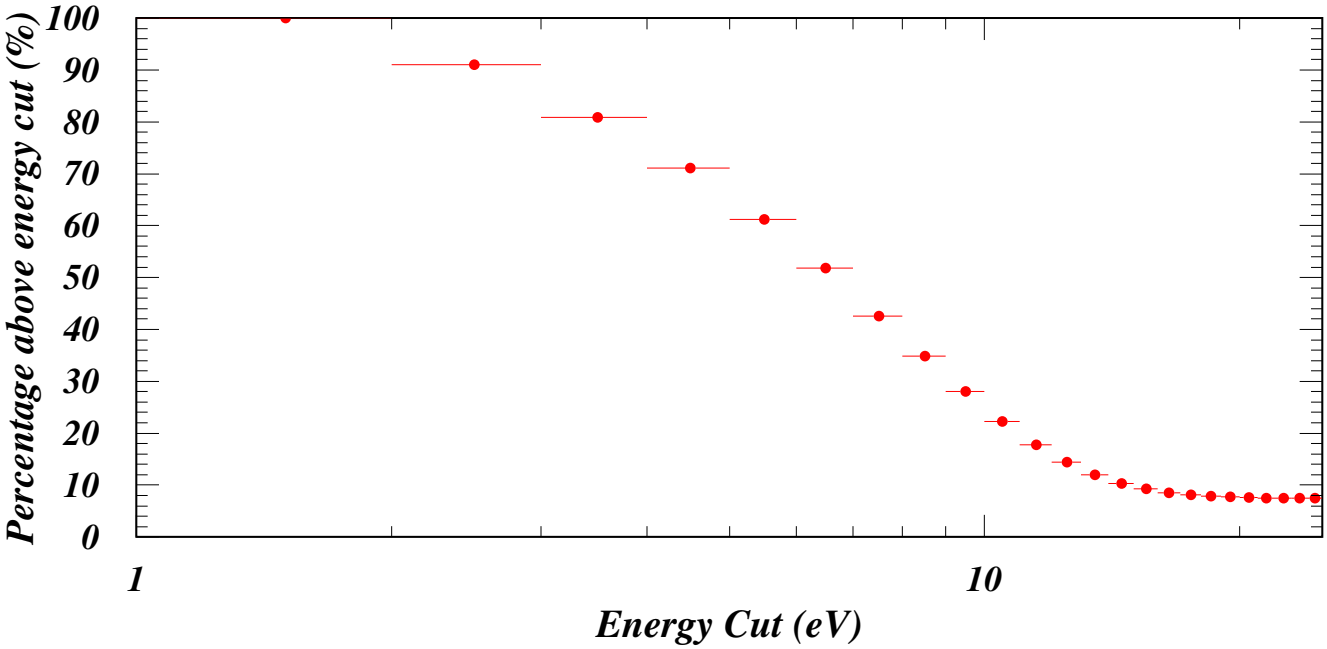
DTC03_Arc1_Sext: Photoelectron Energies





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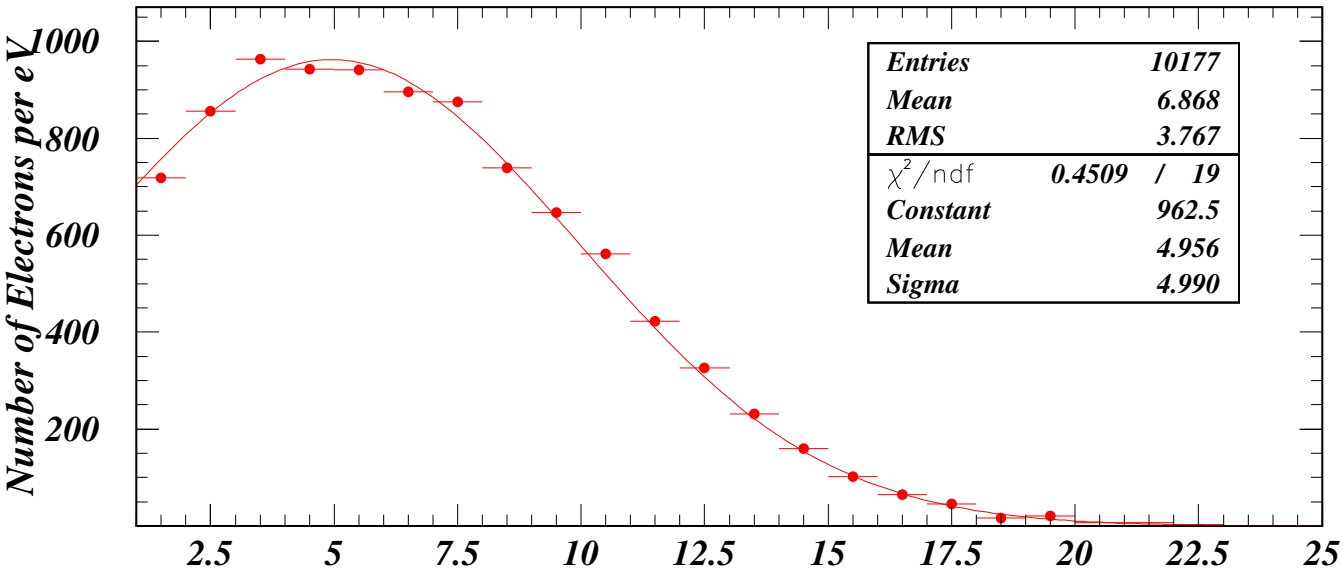
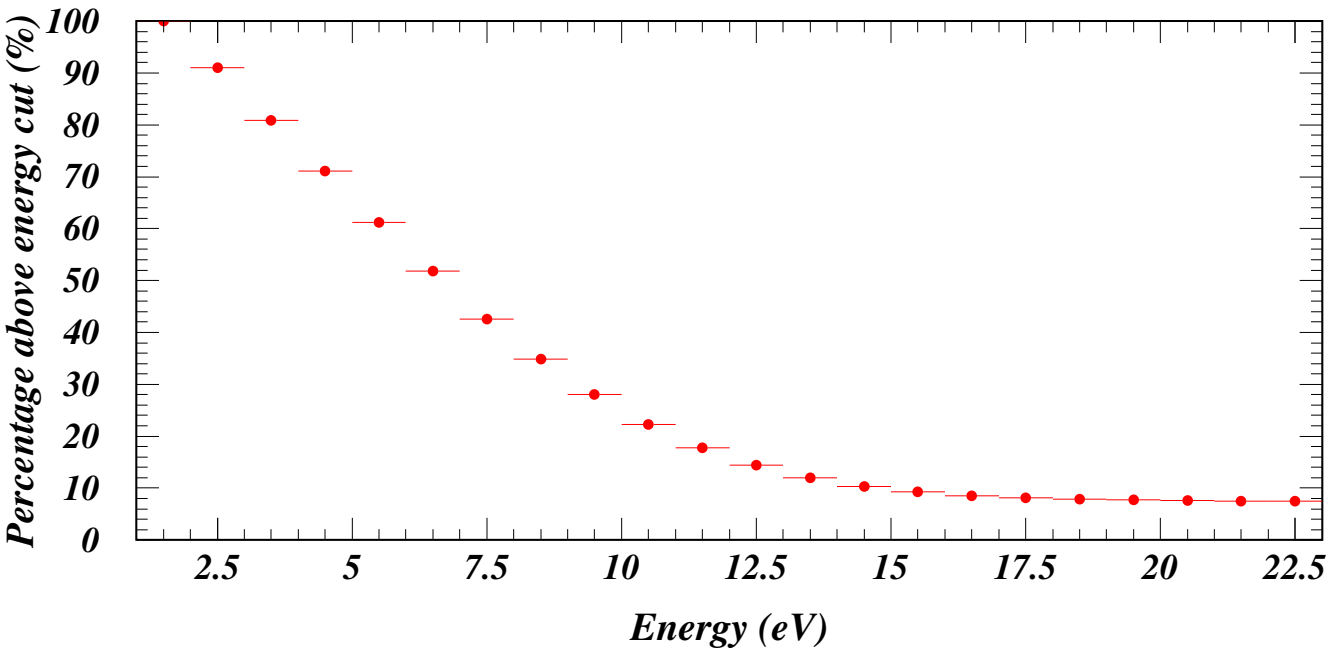
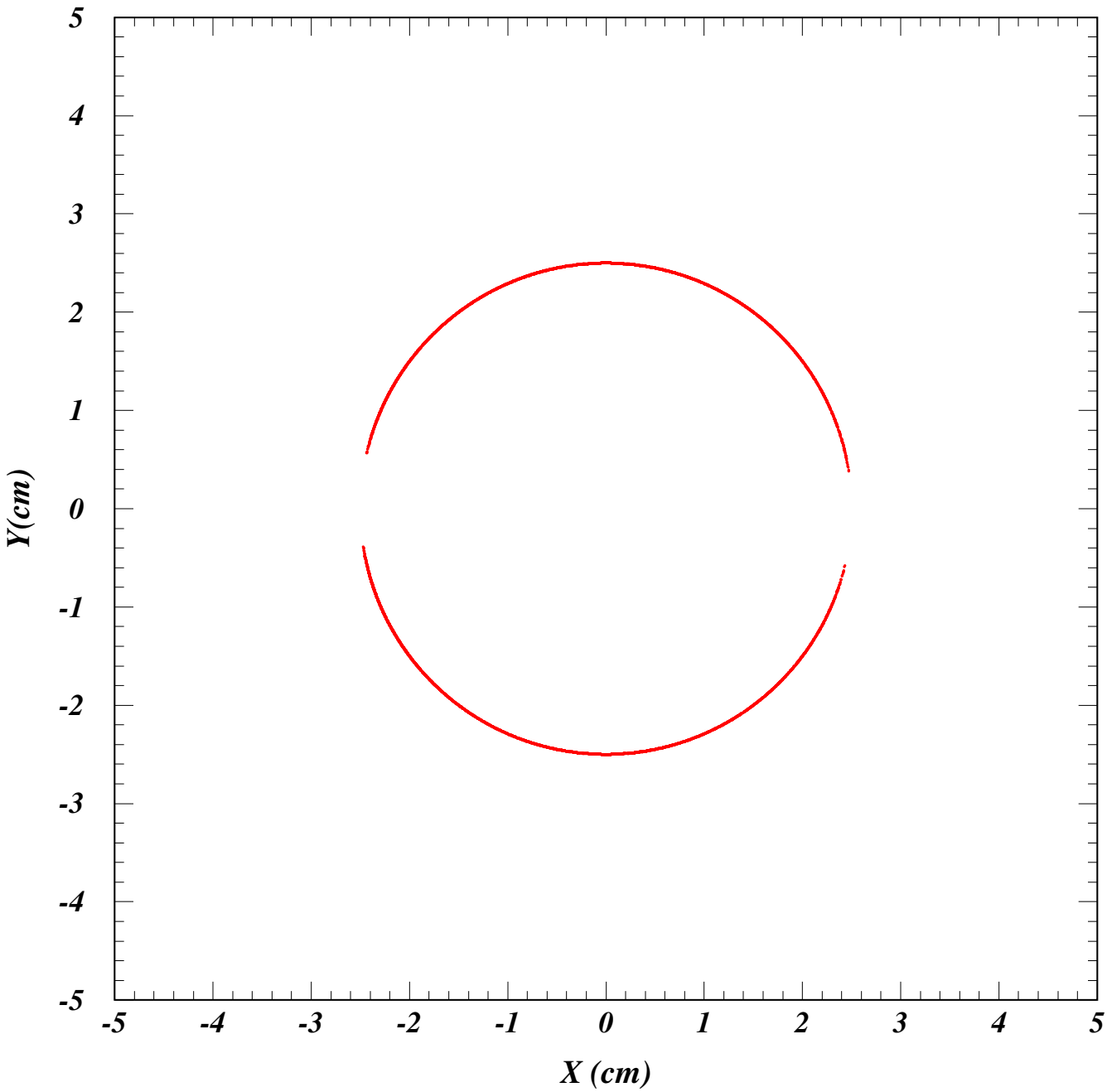
DTC03_Arc1_Sext: Photoelectron Energies





12/03/07 10.18

DTC03_Arc1_Sext: Photoelectron Production Distributions



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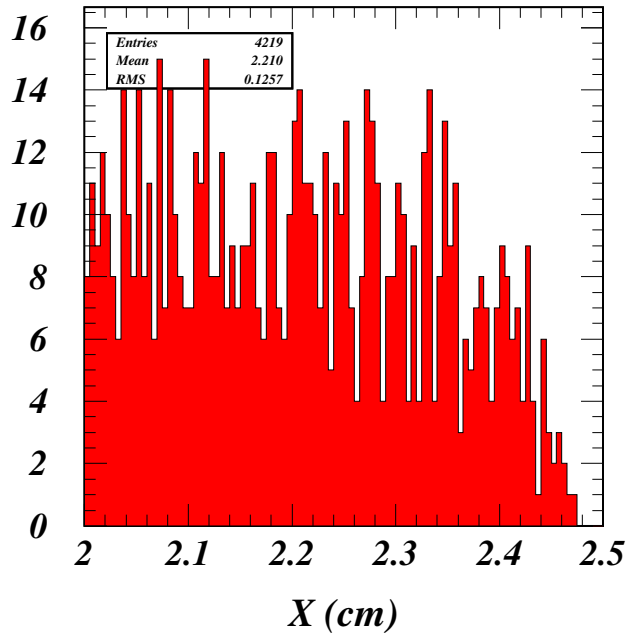
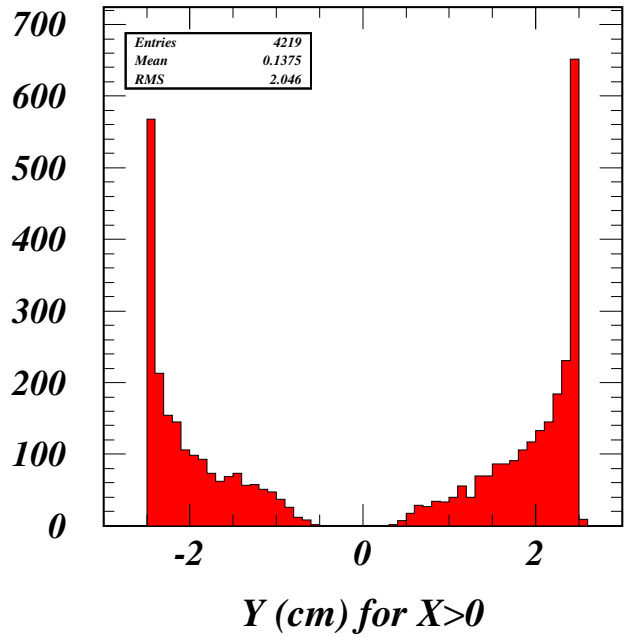
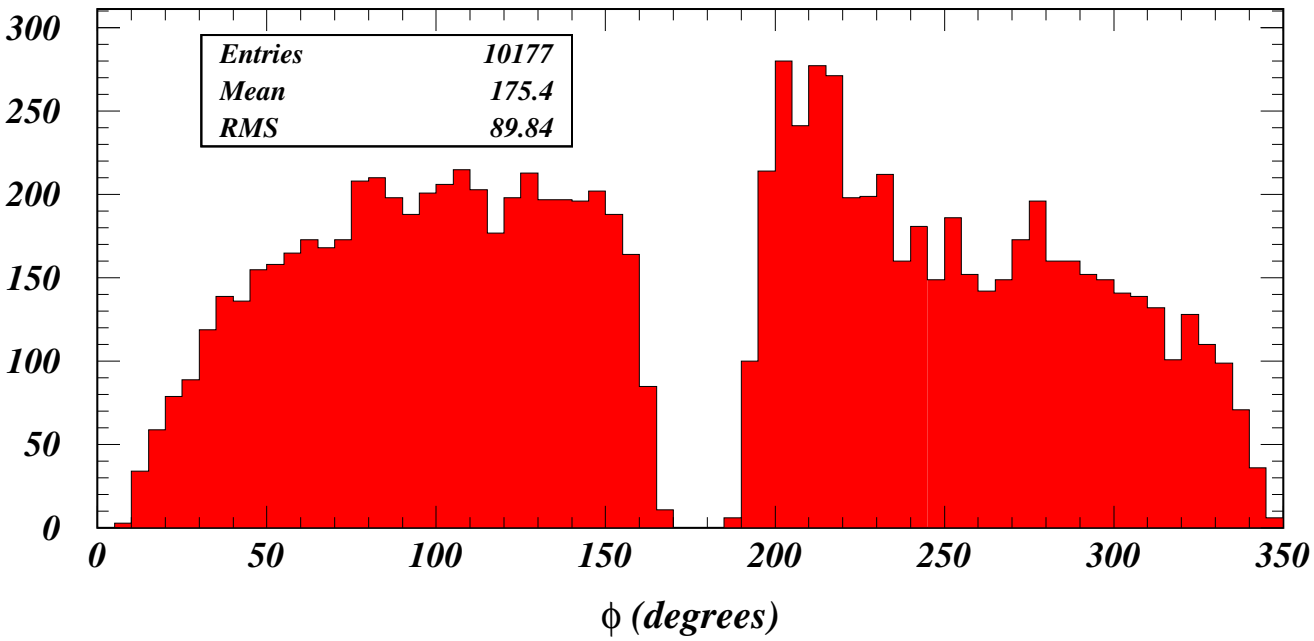
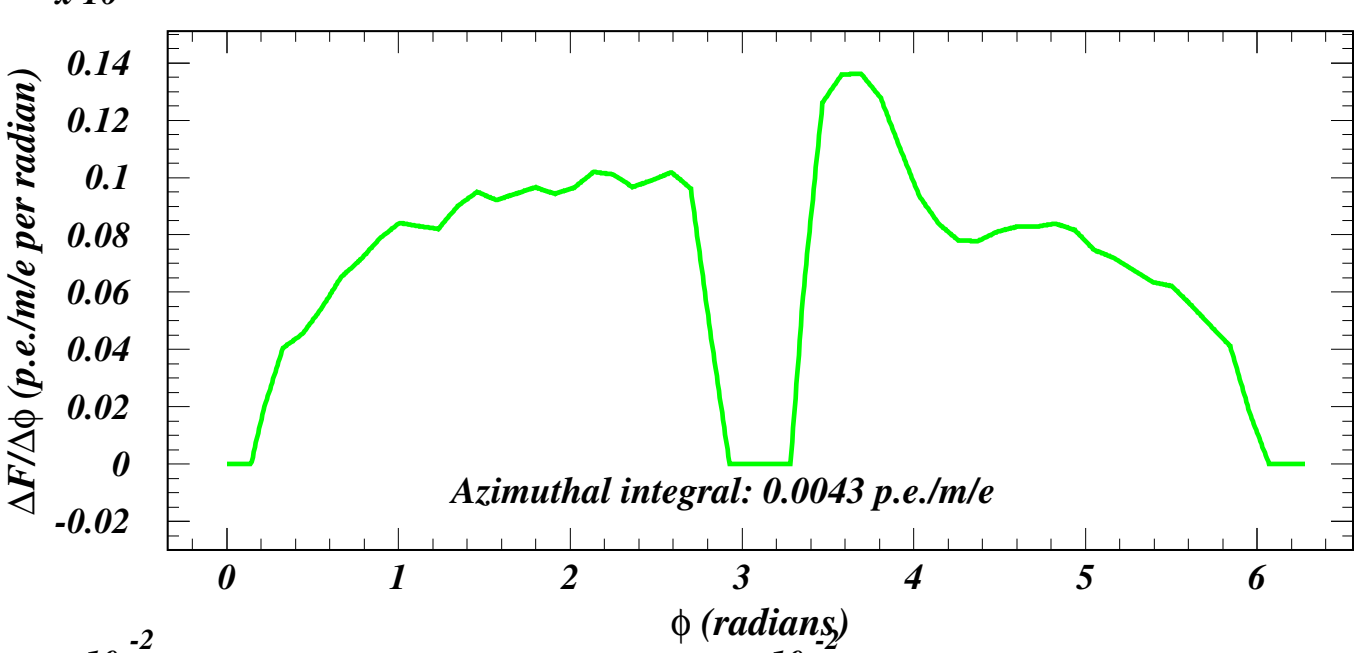
DTC03_Arc1_Sext: Photoelectron Production Distributions

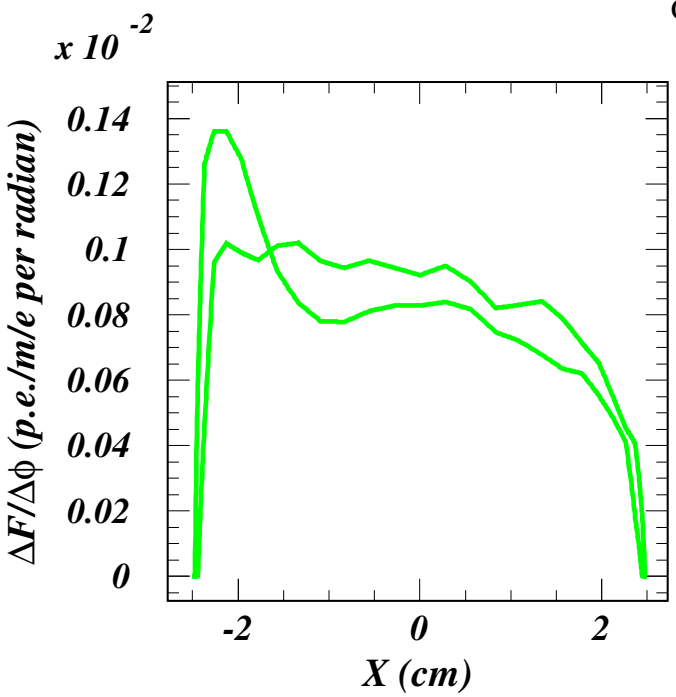


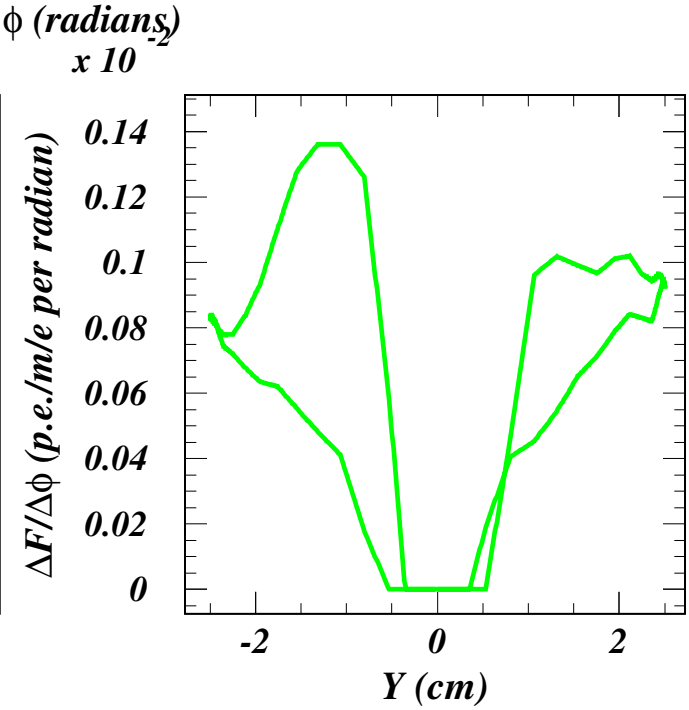


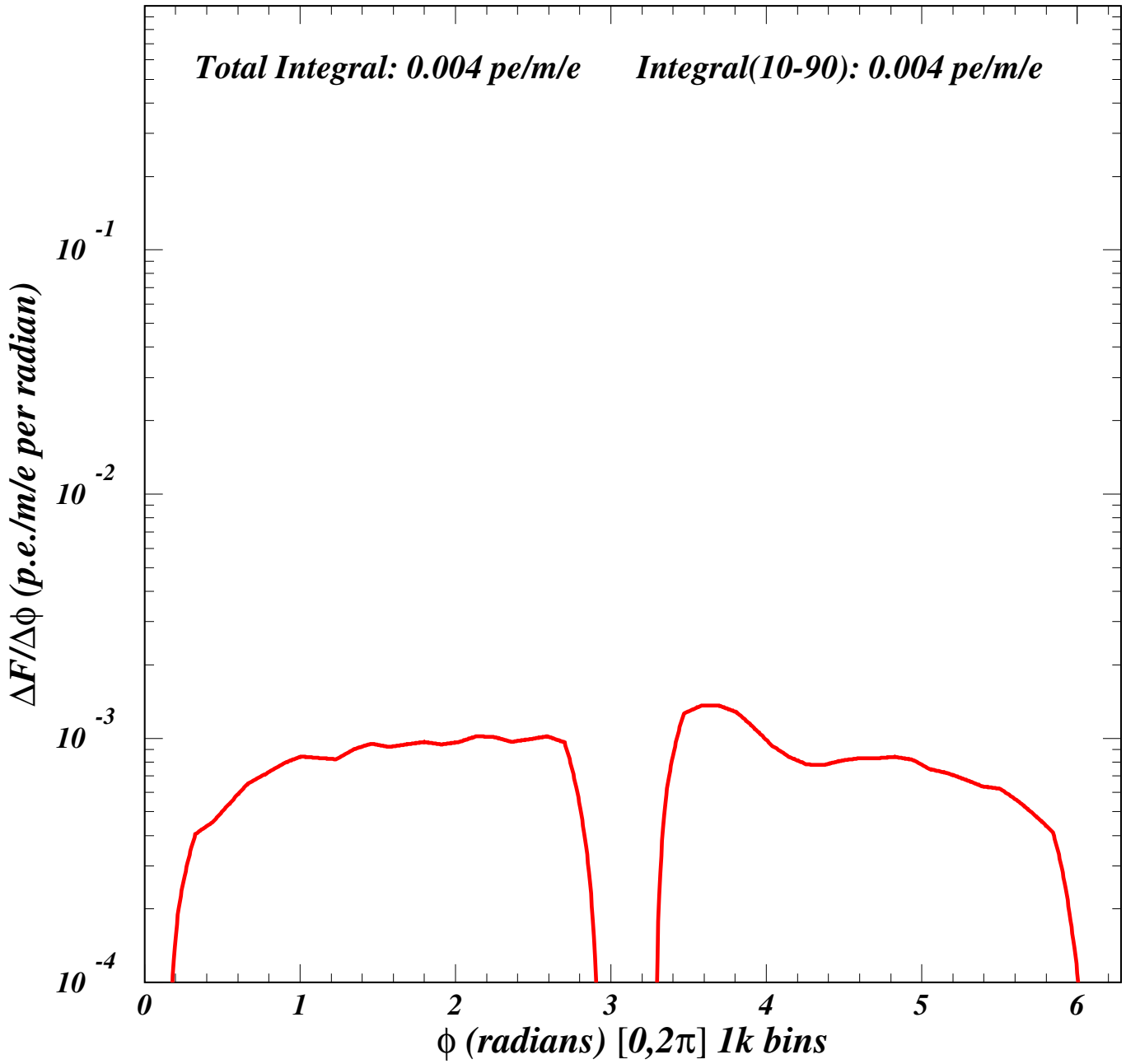


DTC03_Arc1_Sext: Photoelectron Production Distributions







12/03/07 10.19

DTC03_Arc1_Sext: Photoelectron Production Distributions