Data vs MC for low energy cells in p13
p13.02 jets

CTF Meeting, November 19, 2002

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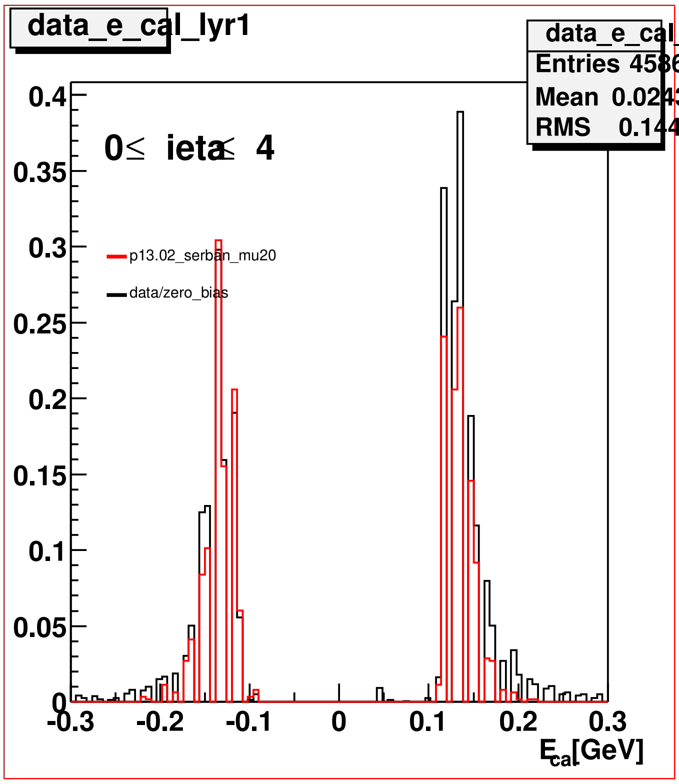
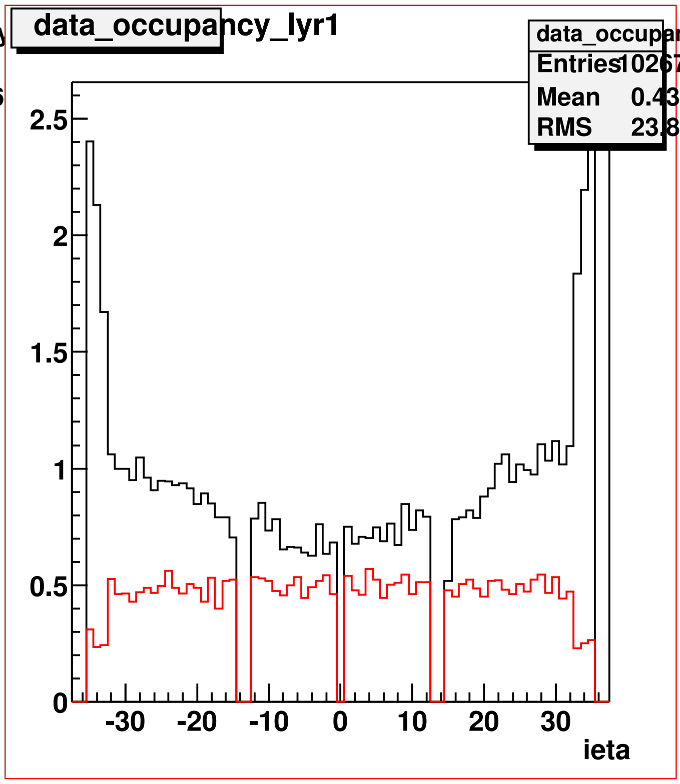
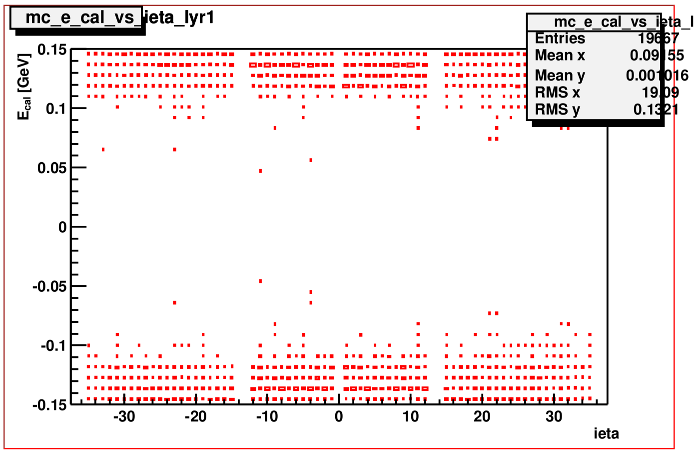
layer 1



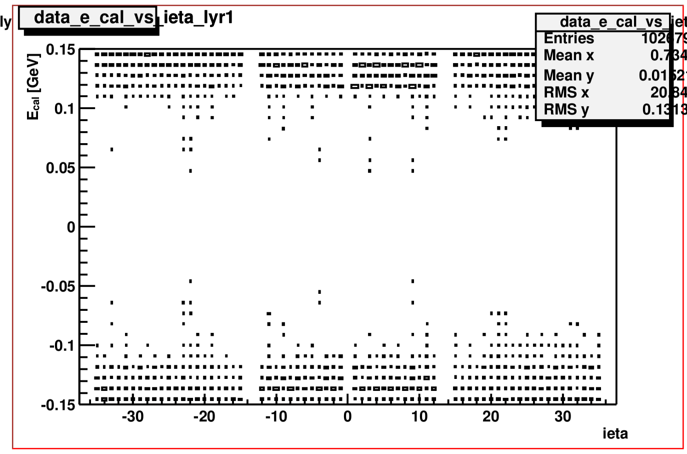
data_e_cal_lyr1
data_e_cal_ly
Entries 4586
Mean 0.02436
RMS 0.1441
0≤ ieta≤ 4
p13.02_serban_mu20
data/zero_bias
E_{cal}[GeV]



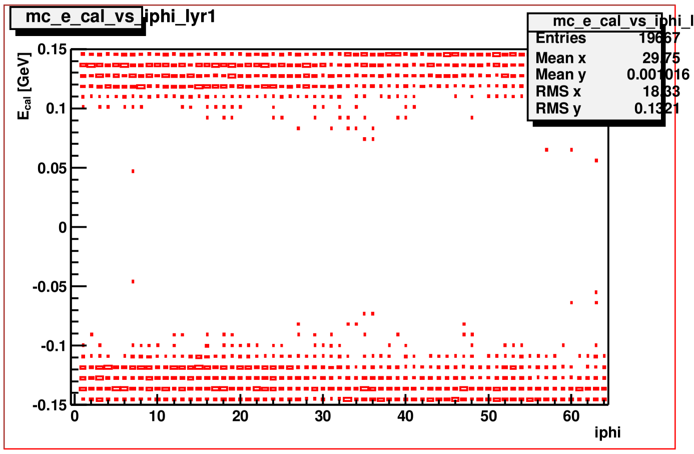
data_occupancy_lyr1
Entries 102679
Mean 0.439
RMS 23.82
ieta



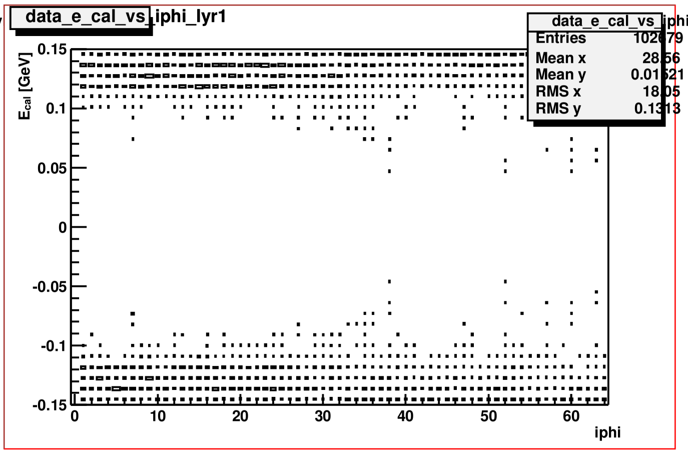
mc_e_cal_vs_ieta_lyr1
Entries 19667
Mean x 0.09155
Mean y 0.001016
RMS x 19.09
RMS y 0.1321
E_{cal} [GeV]
ieta



data_e_cal_vs_ieta_lyr1
Entries 102679
Mean x 0.734
Mean y 0.01521
RMS x 20.84
RMS y 0.1313
E_{cal} [GeV]
ieta

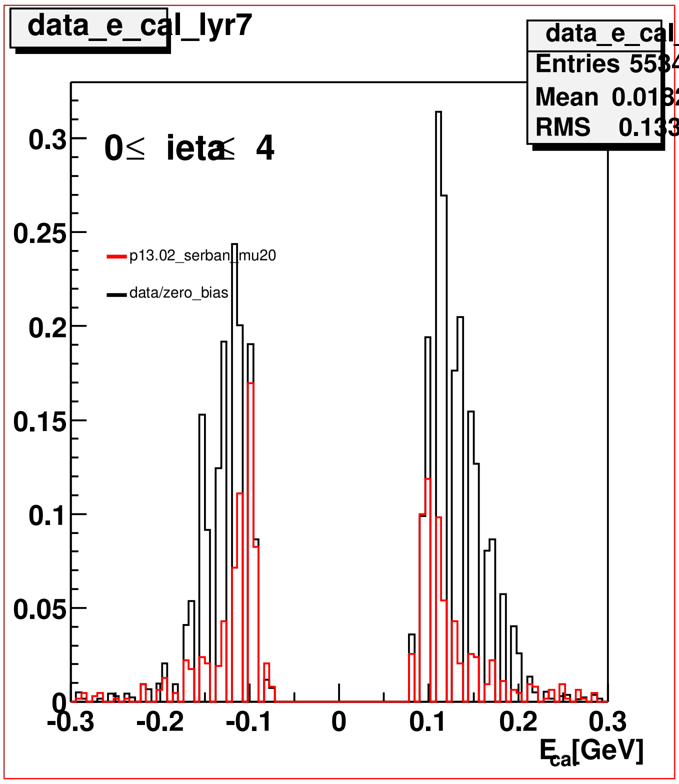


mc_e_cal_vs_iphi_lyr1
Entries 19667
Mean x 29.75
Mean y 0.001016
RMS x 18.33
RMS y 0.1321
E_{cal} [GeV]
iphi

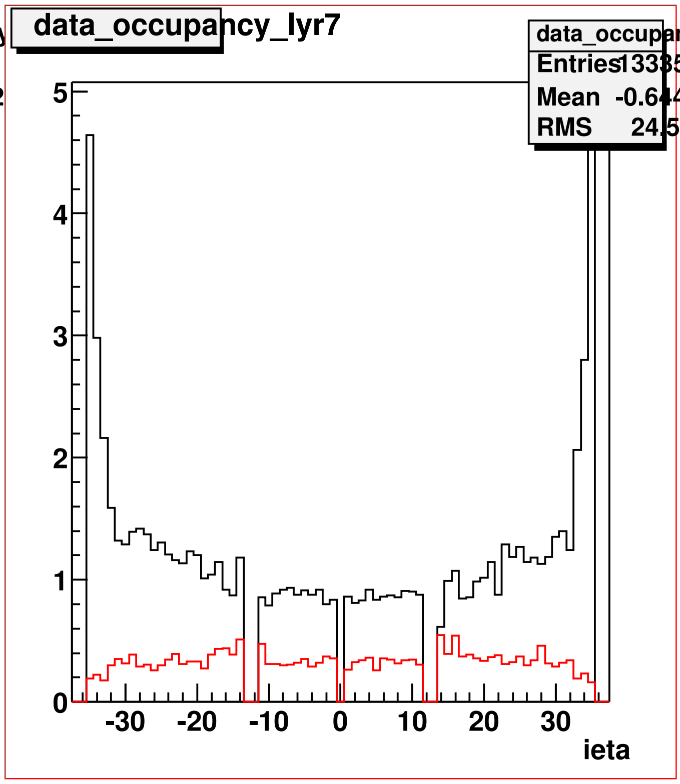


data_e_cal_vs_iphi_lyr1
Entries 102679
Mean x 28.56
Mean y 0.01521
RMS x 18.05
RMS y 0.1313
E_{cal} [GeV]
iphi

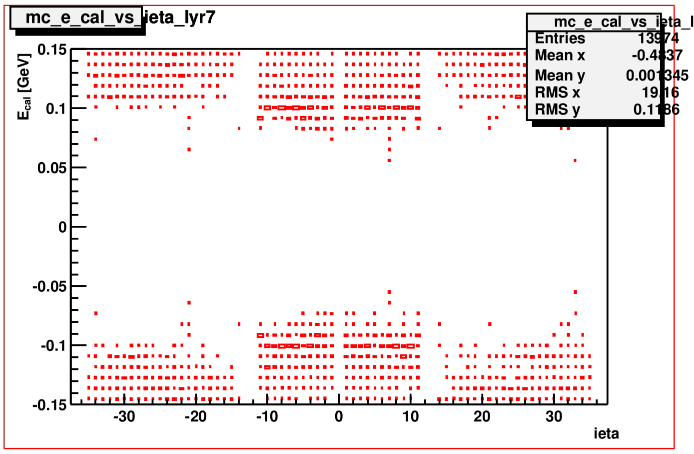
layer 7



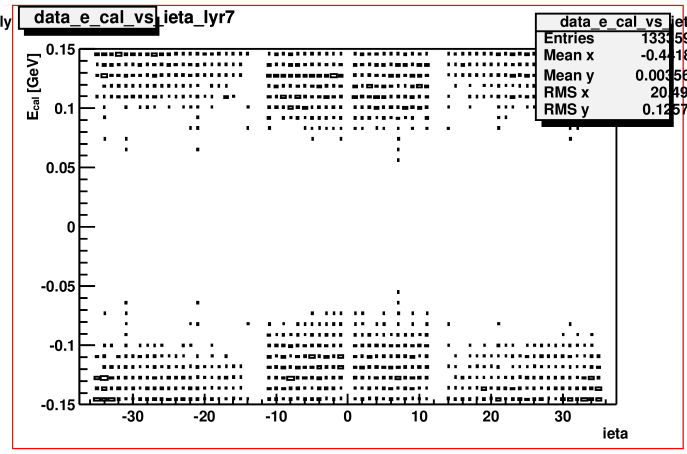
data_e_cal_lyr7
Entries 5534
Mean 0.01822
RMS 0.1339
0≤ ieta≤ 4
p13.02_serban_mu20
data/zero_bias
E_cal [GeV]



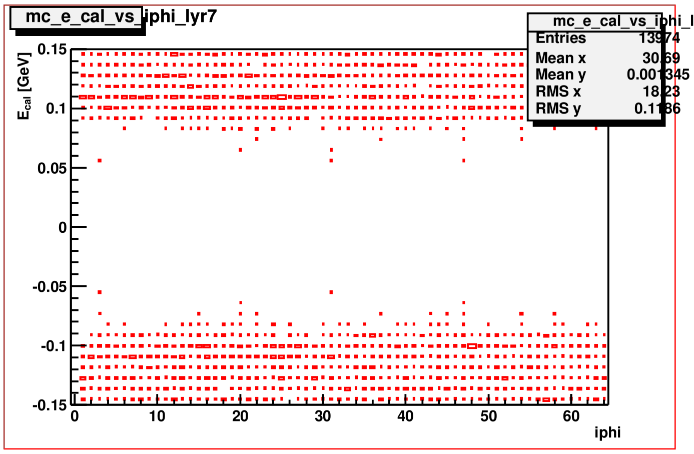
data_occupancy_lyr7
Entries 133359
Mean -0.6446
RMS 24.54
ieta



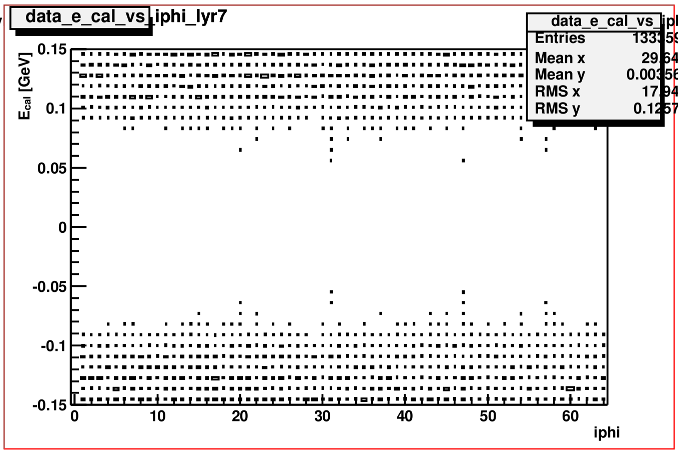
mc_e_cal_vs_ieta_lyr7
Entries 13974
Mean x -0.4837
Mean y 0.001345
RMS x 19.16
RMS y 0.1186
E_cal [GeV]
ieta



data_e_cal_vs_ieta_lyr7
Entries 133359
Mean x -0.4418
Mean y 0.003563
RMS x 20.49
RMS y 0.1257
E_cal [GeV]
ieta

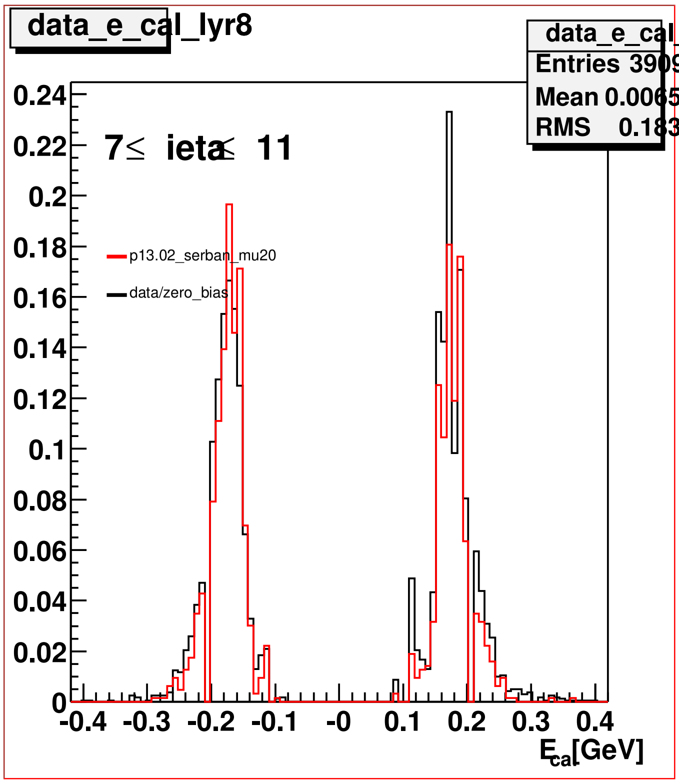


mc_e_cal_vs_iphi_lyr7
Entries 13974
Mean x 30.59
Mean y 0.001345
RMS x 18.23
RMS y 0.1186
E_cal [GeV]
iphi

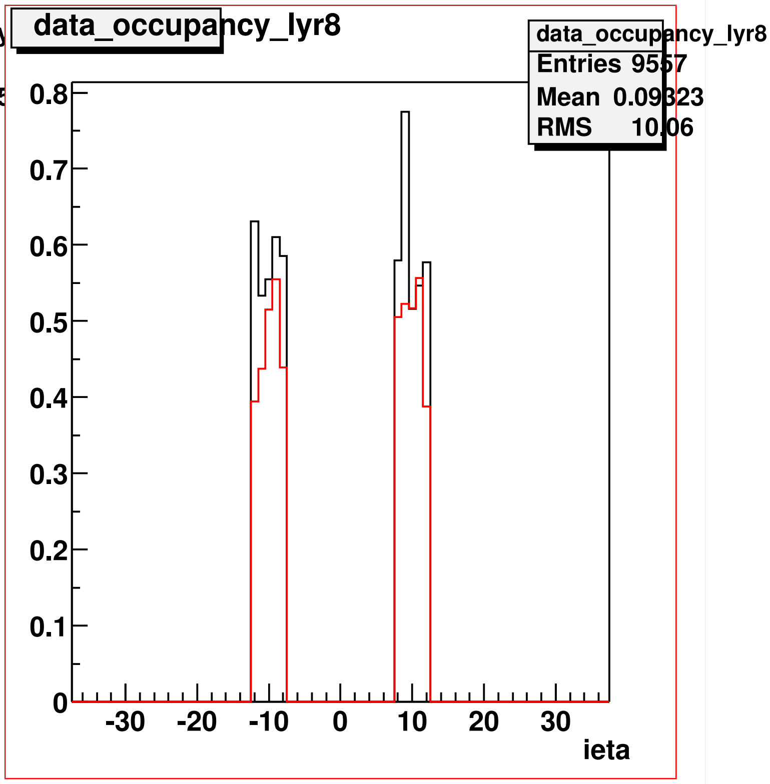


data_e_cal_vs_iphi_lyr7
Entries 133359
Mean x 29.64
Mean y 0.003563
RMS x 17.94
RMS y 0.1257
E_cal [GeV]
iphi

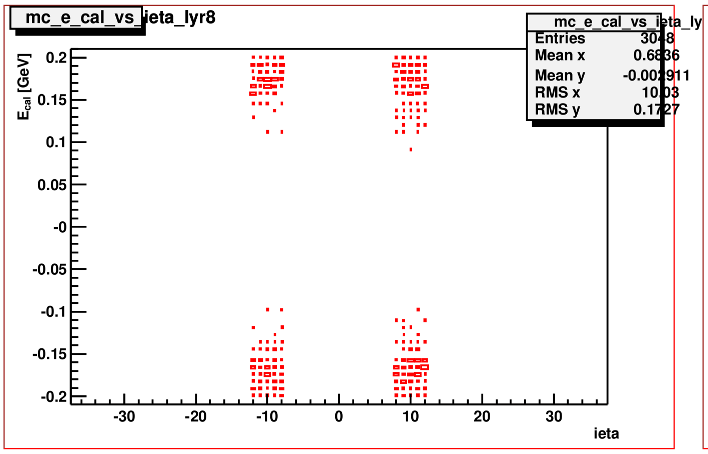
layer 8



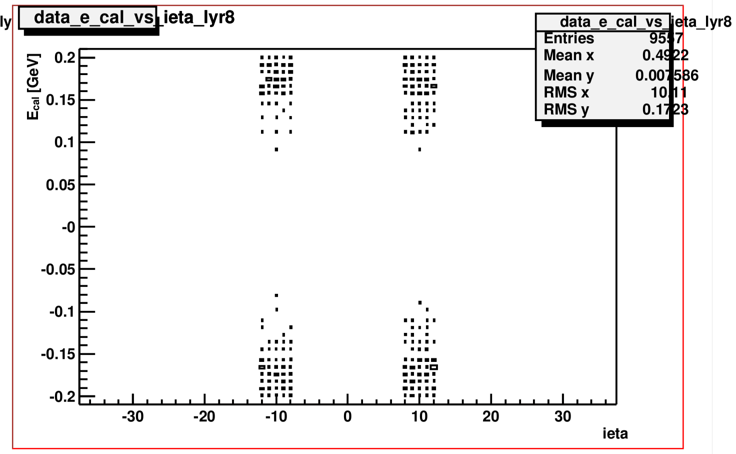
data_e_cal_lyr8
data_e_cal_ly
Entries 3909
Mean 0.006575
RMS 0.1833
7≤ ieta≤ 11
p13.02_serban_mu20
data/zero_bias
E_cal[GeV]



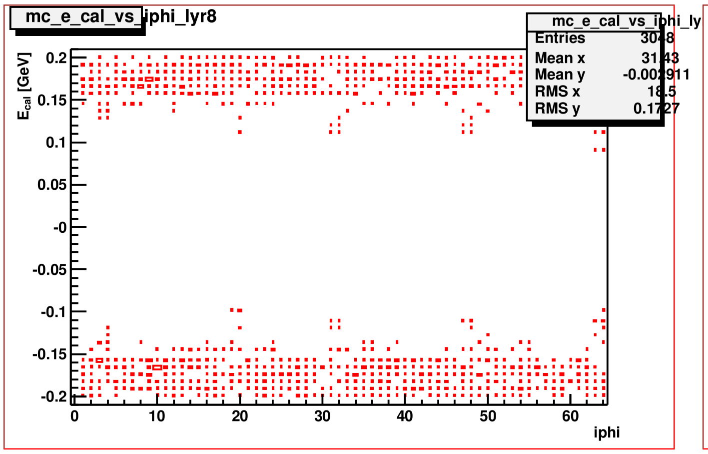
data_occupancy_lyr8
Entries 9557
Mean 0.09323
RMS 10.06
ieta



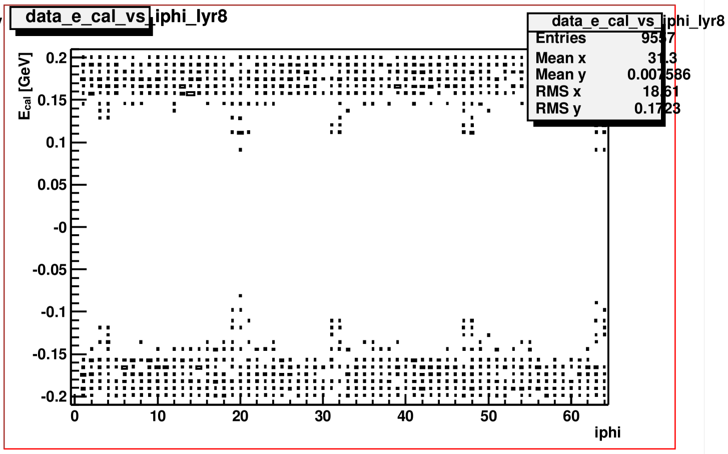
mc_e_cal_vs_ieta_lyr8
Entries 3048
Mean x 0.6836
Mean y -0.002911
RMS x 10.03
RMS y 0.1727
E_cal [GeV]
ieta



data_e_cal_vs_ieta_lyr8
Entries 9557
Mean x 0.4922
Mean y 0.007586
RMS x 10.11
RMS y 0.1723
E_cal [GeV]
ieta

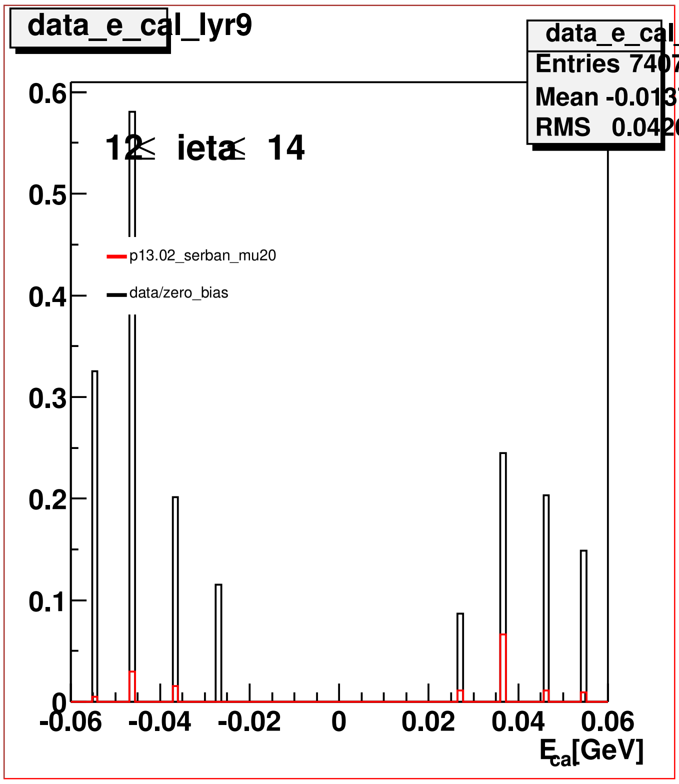


mc_e_cal_vs_iphi_lyr8
Entries 3048
Mean x 31.43
Mean y -0.002911
RMS x 18.5
RMS y 0.1727
E_cal [GeV]
iphi

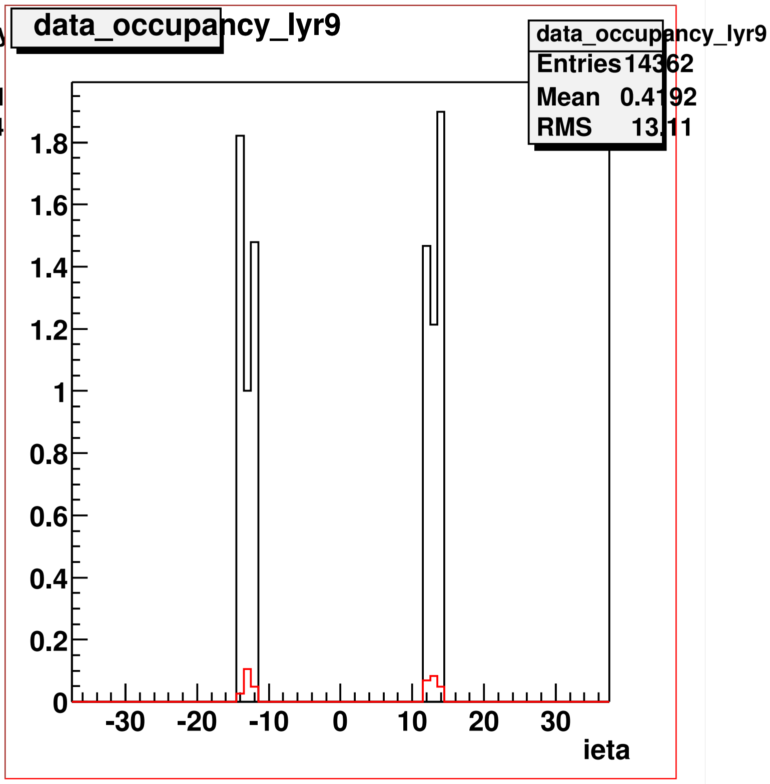


data_e_cal_vs_iphi_lyr8
Entries 9557
Mean x 31.3
Mean y 0.007586
RMS x 18.61
RMS y 0.1723
E_cal [GeV]
iphi

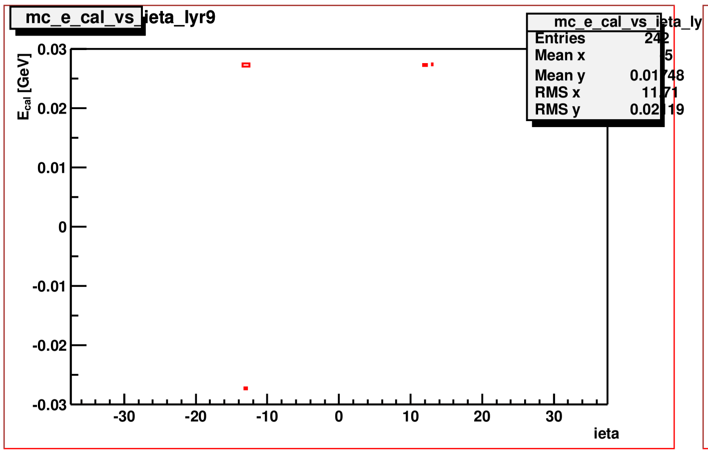
layer 9



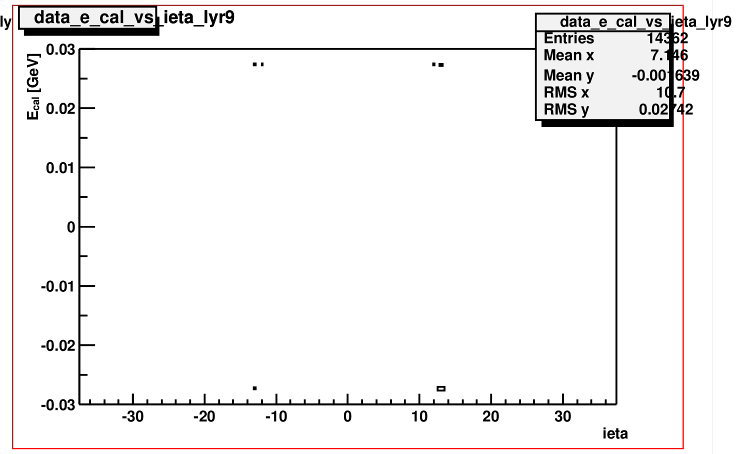
data_e_cal_lyr9
data_e_cal_ly
Entries 7407
Mean -0.01371
RMS 0.04264
12 ≤ ieta ≤ 14
p13.02_serban_mu20
data/zero_bias
E_{cal} [GeV]



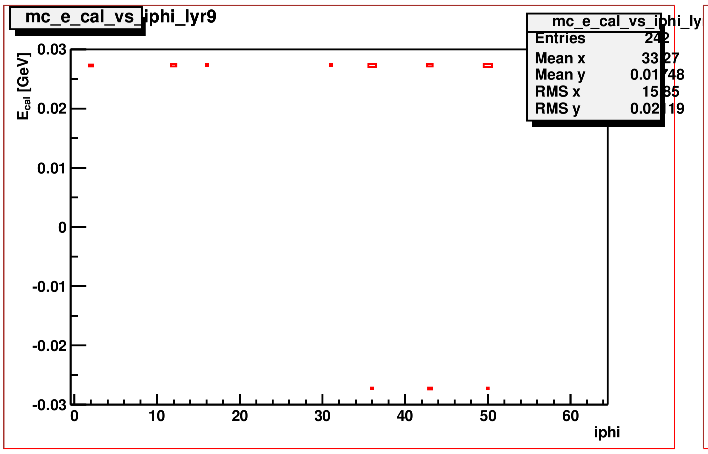
data_occupancy_lyr9
data_occupancy_lyr9
Entries 14362
Mean 0.4192
RMS 13.11
ieta



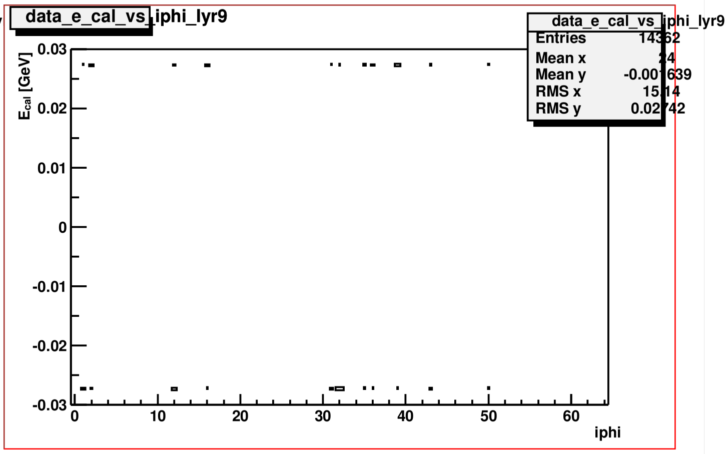
mc_e_cal_vs_ieta_lyr9
mc_e_cal_vs_ieta_ly
Entries 242
Mean x 5
Mean y 0.01748
RMS x 11.71
RMS y 0.02119
E_{cal} [GeV]
ieta



data_e_cal_vs_ieta_lyr9
data_e_cal_vs_ieta_lyr9
Entries 14362
Mean x 7.146
Mean y -0.001639
RMS x 10.7
RMS y 0.02742
E_{cal} [GeV]
ieta

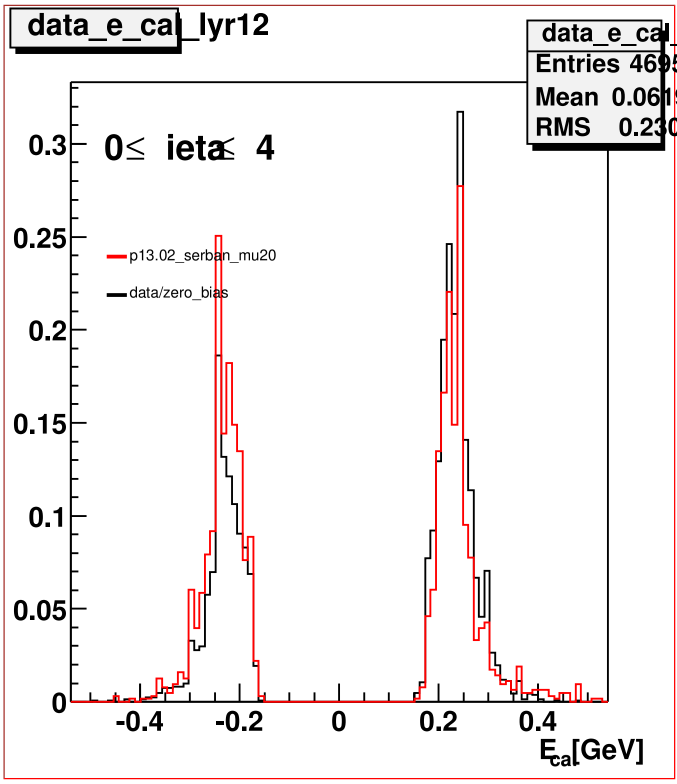


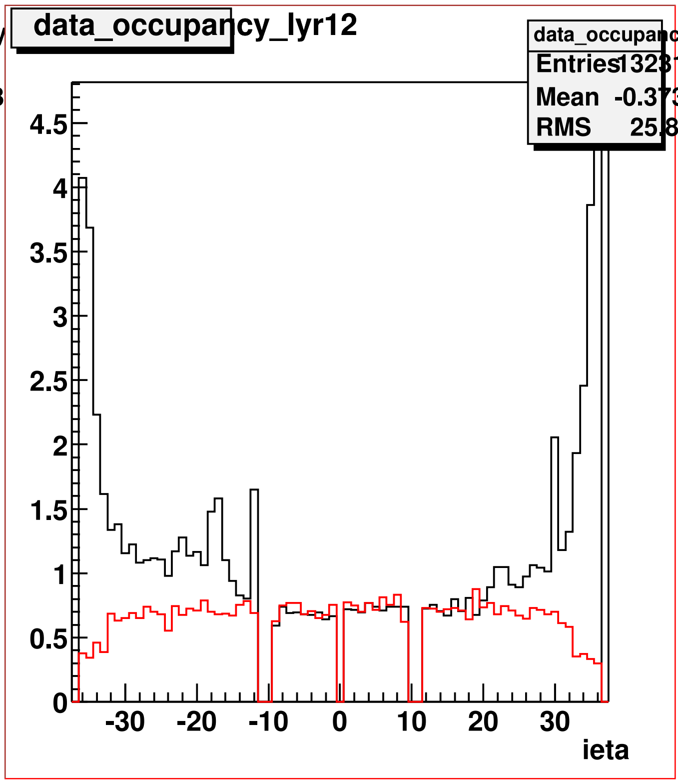
mc_e_cal_vs_iphi_lyr9
mc_e_cal_vs_iphi_ly
Entries 242
Mean x 33.27
Mean y 0.01748
RMS x 15.85
RMS y 0.02119
E_{cal} [GeV]
iphi

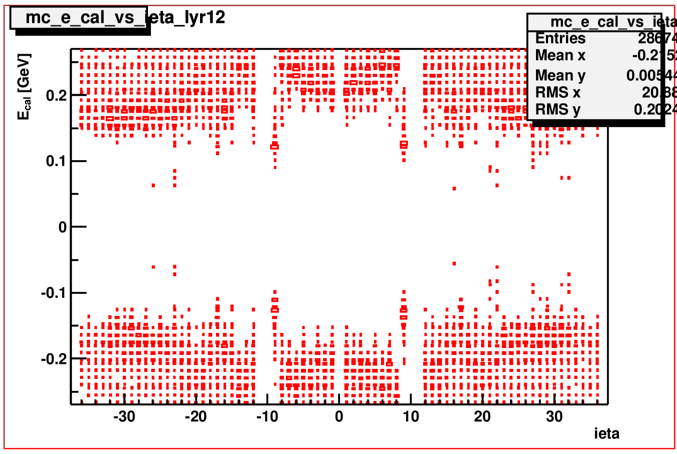


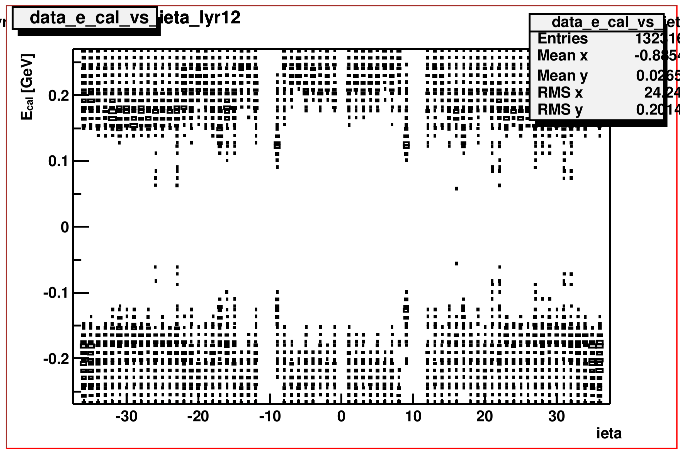
data_e_cal_vs_iphi_lyr9
data_e_cal_vs_iphi_lyr9
Entries 14362
Mean x 24
Mean y -0.001639
RMS x 15.14
RMS y 0.02742
E_{cal} [GeV]
iphi

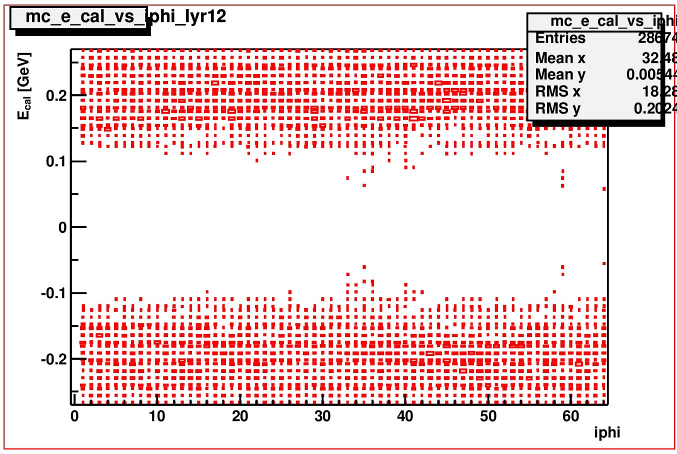
layer 12

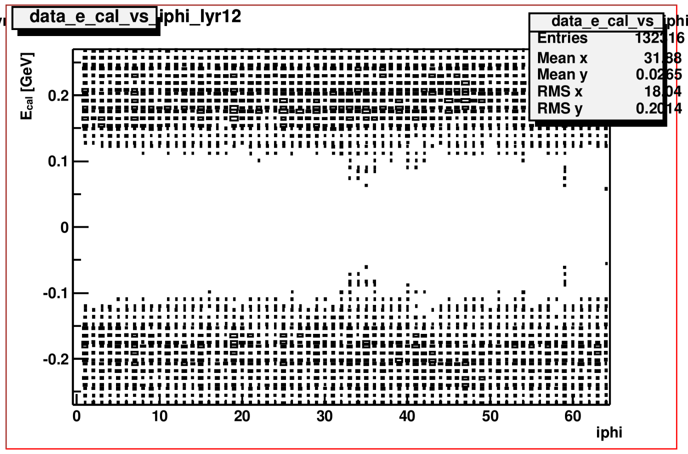

data_e_cal_lyr12
data_e_cal_ly
Entries 4695
Mean 0.06193
RMS 0.2307
0≤ ieta≤ 4
p13.02_serban_mu20
data/zero_bias
E_cal[GeV]


data_occupancy_lyr12
data_occupancy_lyr12
Entries 132316
Mean -0.3732
RMS 25.89
ieta

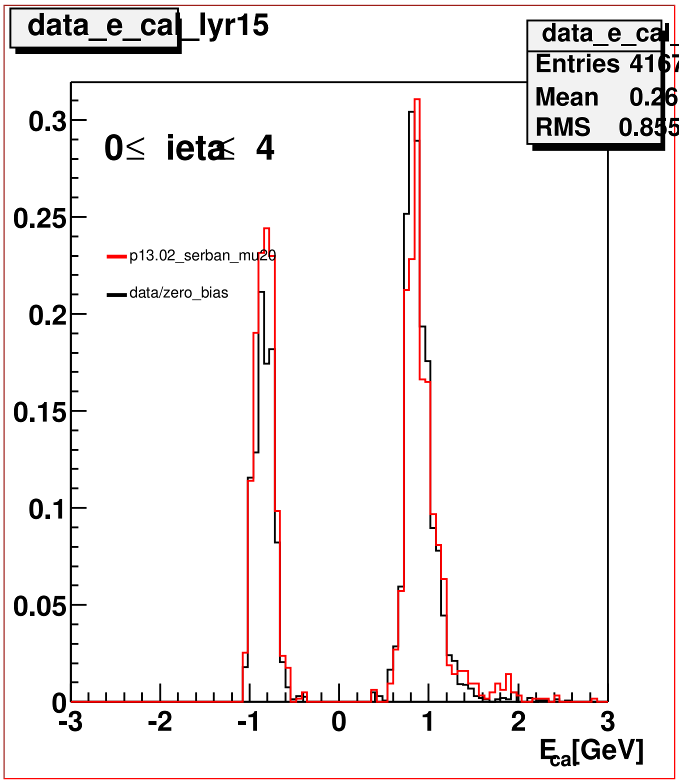

mc_e_cal_vs_ieta_lyr12
mc_e_cal_vs_ieta_lyr
Entries 28674
Mean x -0.2152
Mean y 0.005446
RMS x 20.38
RMS y 0.2024
E_cal [GeV]
ieta

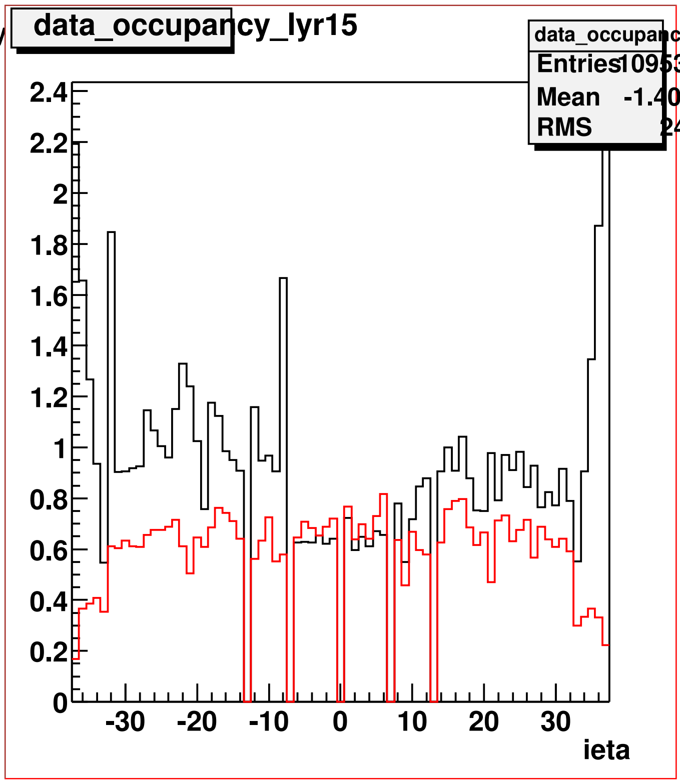

data_e_cal_vs_ieta_lyr12
data_e_cal_vs_ieta_lyr12
Entries 132316
Mean x -0.8454
Mean y 0.0265
RMS x 24.24
RMS y 0.2014
E_cal [GeV]
ieta

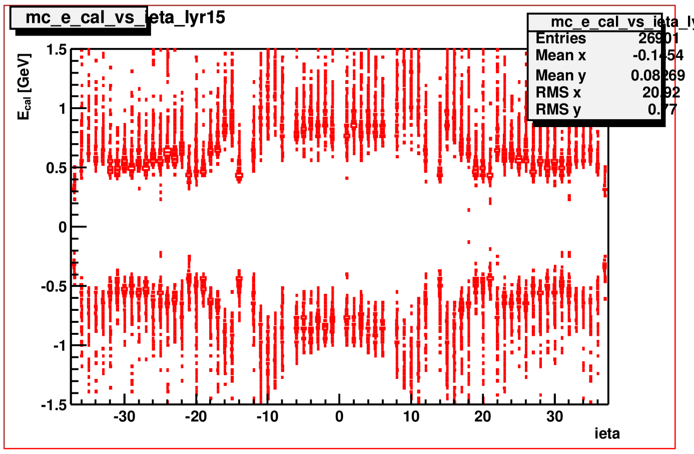

mc_e_cal_vs_iphi_lyr12
mc_e_cal_vs_iphi_lyr
Entries 28674
Mean x 32.48
Mean y 0.005446
RMS x 18.28
RMS y 0.2024
E_cal [GeV]
iphi

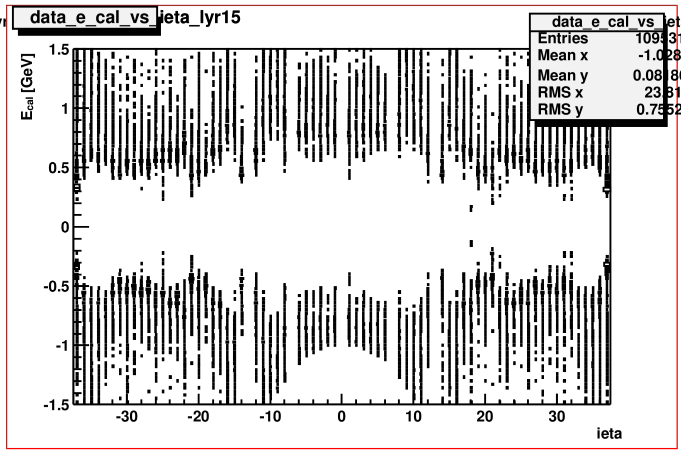

data_e_cal_vs_iphi_lyr12
data_e_cal_vs_iphi_lyr12
Entries 132316
Mean x 31.88
Mean y 0.0265
RMS x 18.04
RMS y 0.2014
E_cal [GeV]
iphi

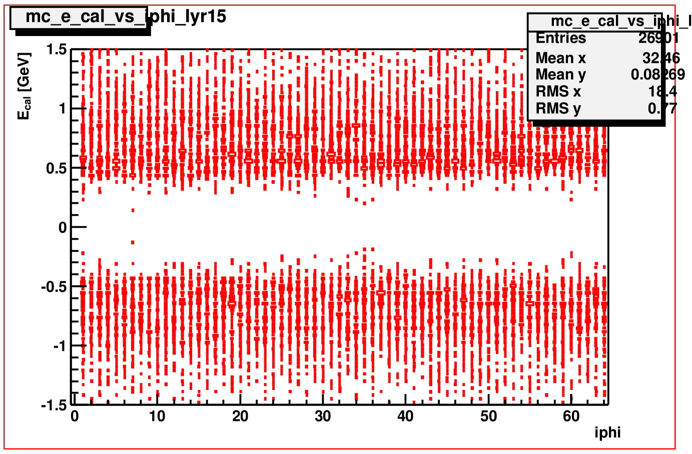
layer 15

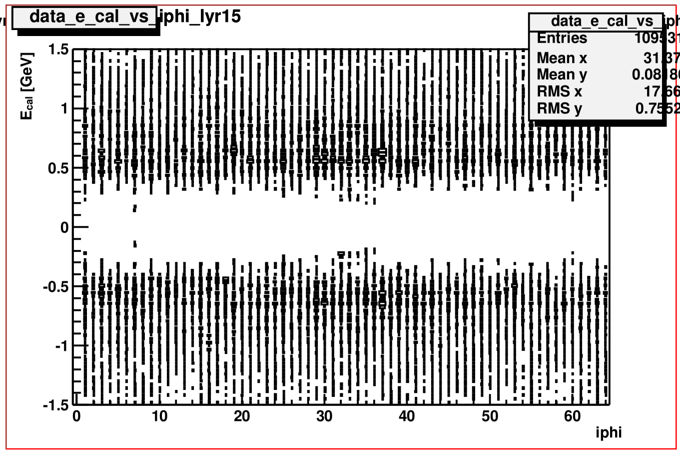

data_e_cal_lyr15
data_e_cal_ly
Entries 4167
Mean 0.266
RMS 0.8553
0≤ ieta≤ 4
p13.02_serban_mu20
data/zero_bias
E_cal [GeV]


data_occupancy_lyr15
data_occupancy_lyr15
Entries 109531
Mean -1.402
RMS 24
ieta

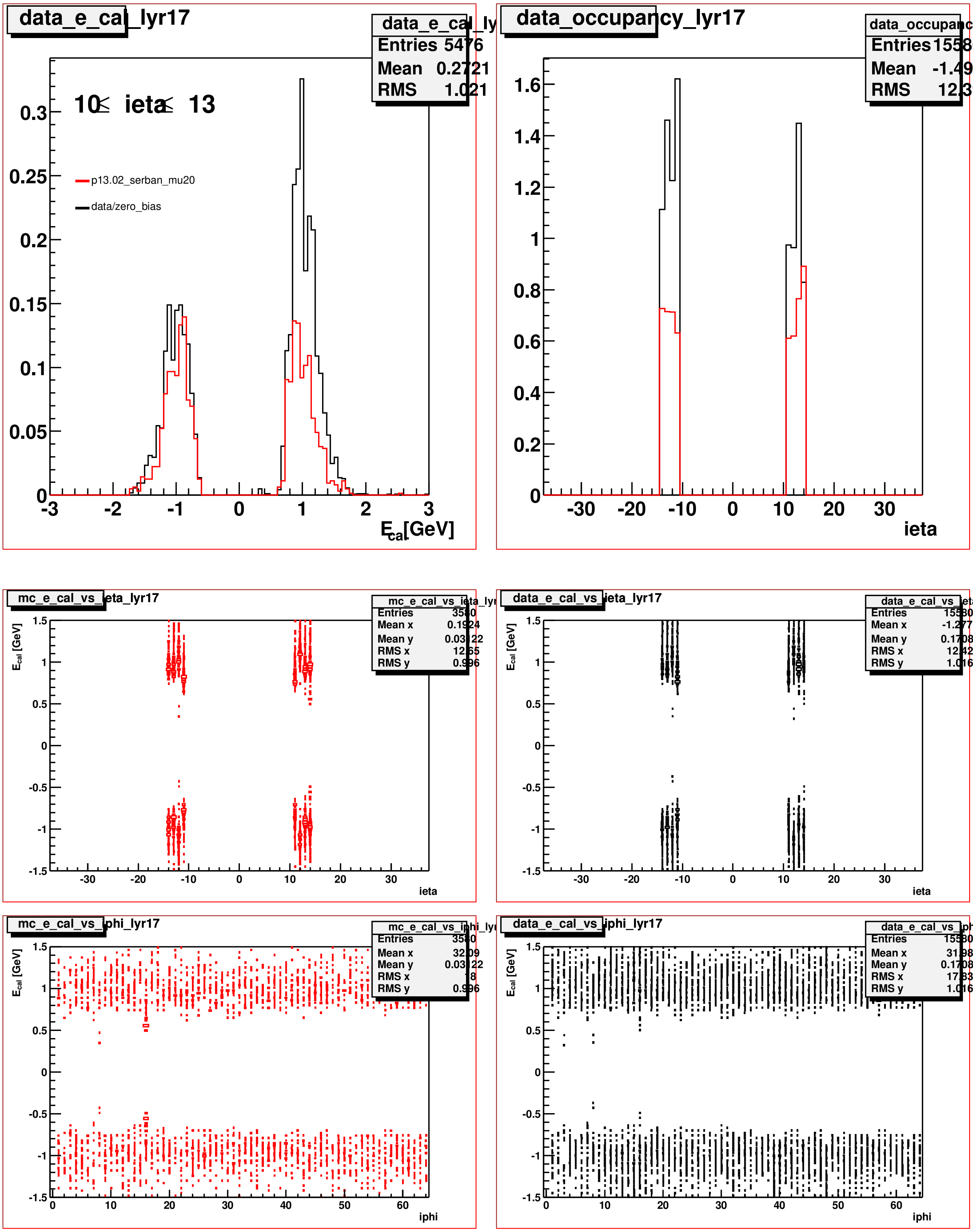

mc_e_cal_vs_ieta_lyr15
mc_e_cal_vs_ieta_lyr
Entries 26901
Mean x -0.1454
Mean y 0.08269
RMS x 20.92
RMS y 0.77
E_cal [GeV]
ieta


data_e_cal_vs_ieta_lyr15
data_e_cal_vs_ieta_lyr15
Entries 109531
Mean x -1.028
Mean y 0.08186
RMS x 23.81
RMS y 0.7552
E_cal [GeV]
ieta


mc_e_cal_vs_iphi_lyr15
mc_e_cal_vs_iphi_lyr
Entries 26901
Mean x 32.46
Mean y 0.08269
RMS x 18.4
RMS y 0.77
E_cal [GeV]
iphi

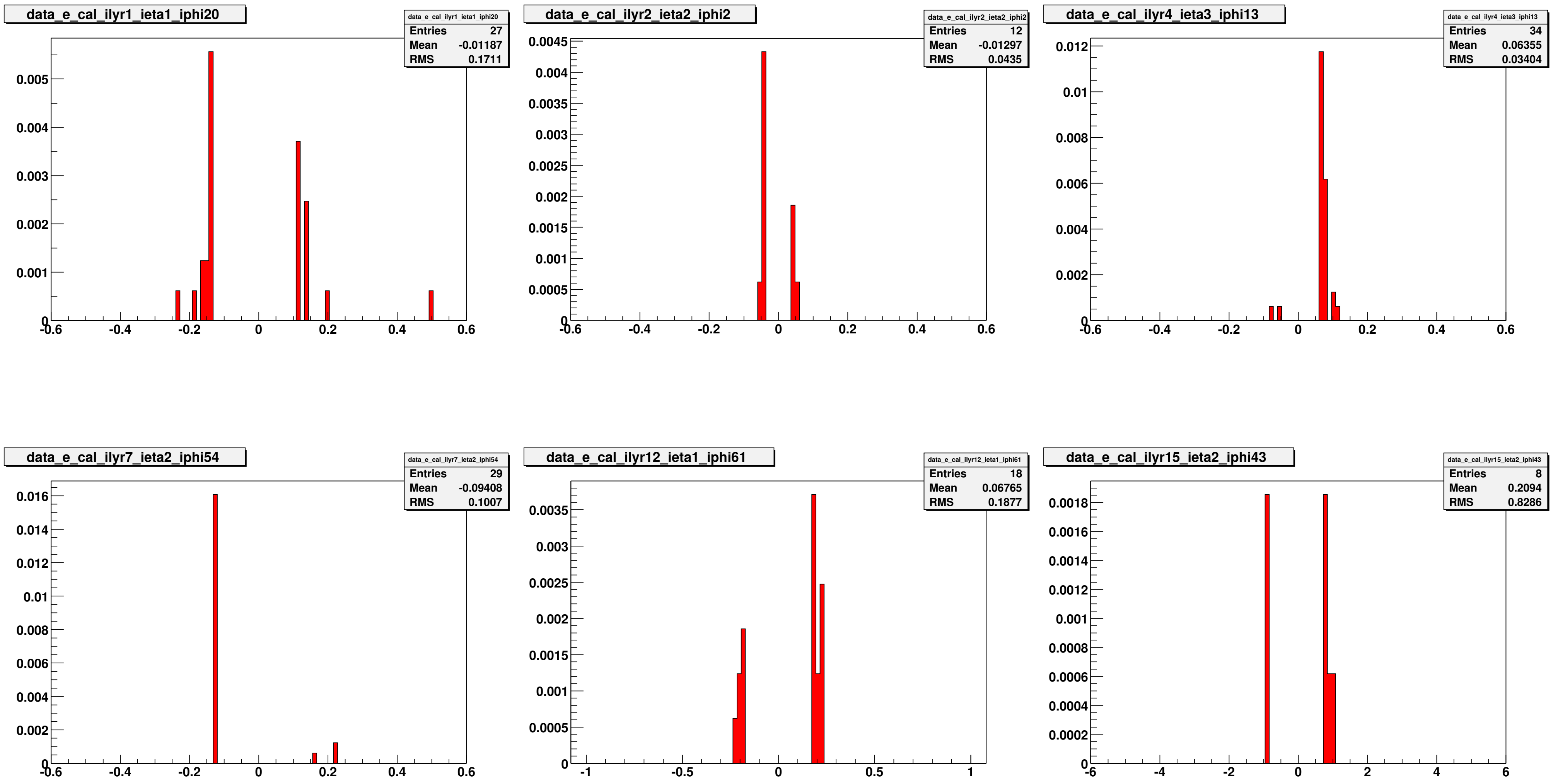

data_e_cal_vs_iphi_lyr15
data_e_cal_vs_iphi_lyr15
Entries 109531
Mean x 31.37
Mean y 0.08186
RMS x 17.66
RMS y 0.7552
E_cal [GeV]
iphi

layer 17

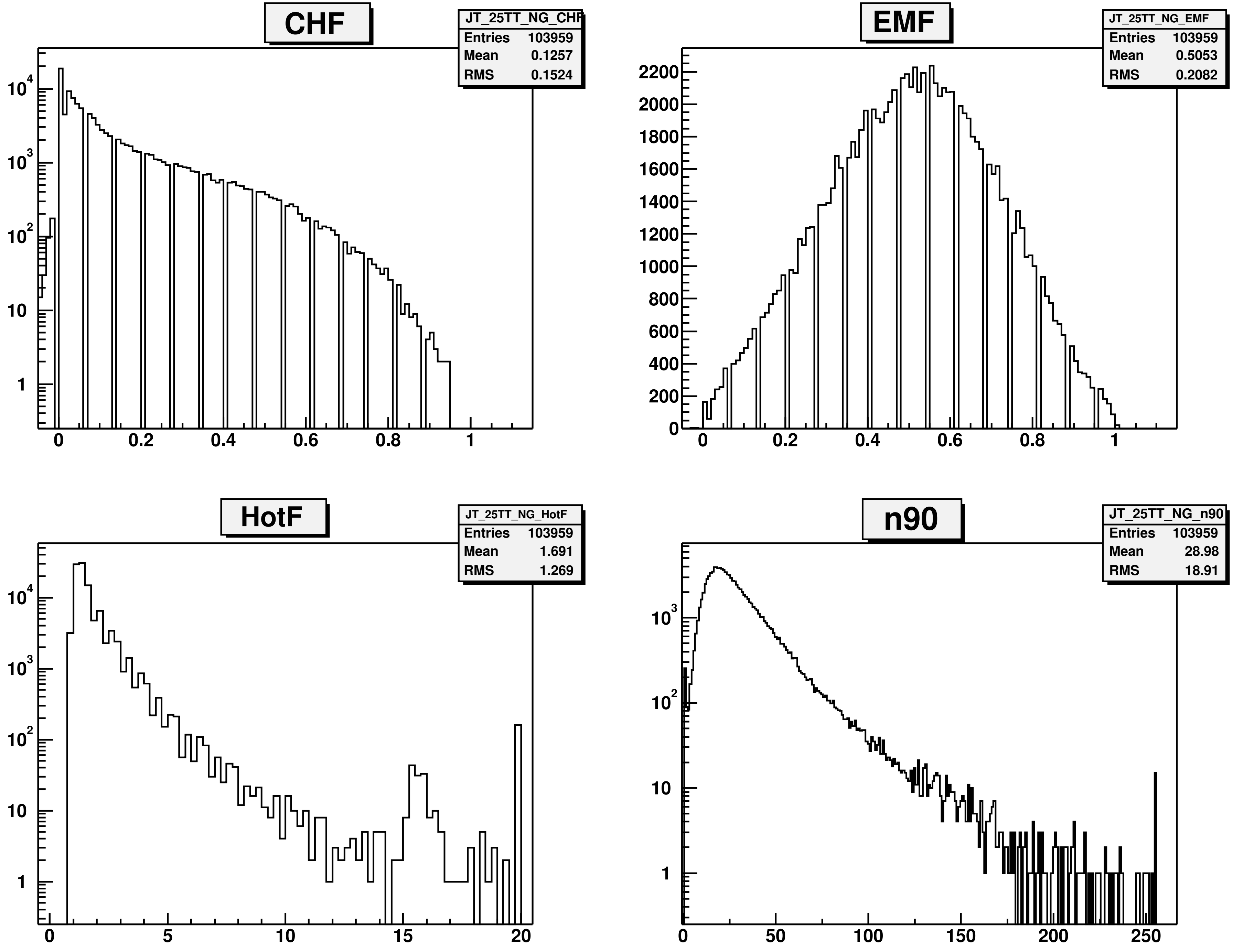


data_e_cal_lyr17
data_e_cal_ly
Entries 5476
Mean 0.2721
RMS 1.021
10≤ ieta≤ 13
p13.02_serban_mu20
data/zero_bias
E_cal [GeV]
data_occupancy_lyr17
Entries 15580
Mean -1.493
RMS 12.39
ieta
mc_e_cal_vs_ieta_lyr17
Entries 3580
Mean x 0.1924
Mean y 0.03122
RMS x 12.55
RMS y 0.996
E_cal [GeV]
data_e_cal_vs_ieta_lyr17
Entries 15580
Mean x -1.277
Mean y 0.1708
RMS x 12.42
RMS y 1.016
mc_e_cal_vs_iphi_lyr17
Entries 3580
Mean x 32.09
Mean y 0.03122
RMS x 18
RMS y 0.996
iphi
data_e_cal_vs_iphi_lyr17
Entries 15580
Mean x 31.98
Mean y 0.1708
RMS x 17.83
RMS y 1.016

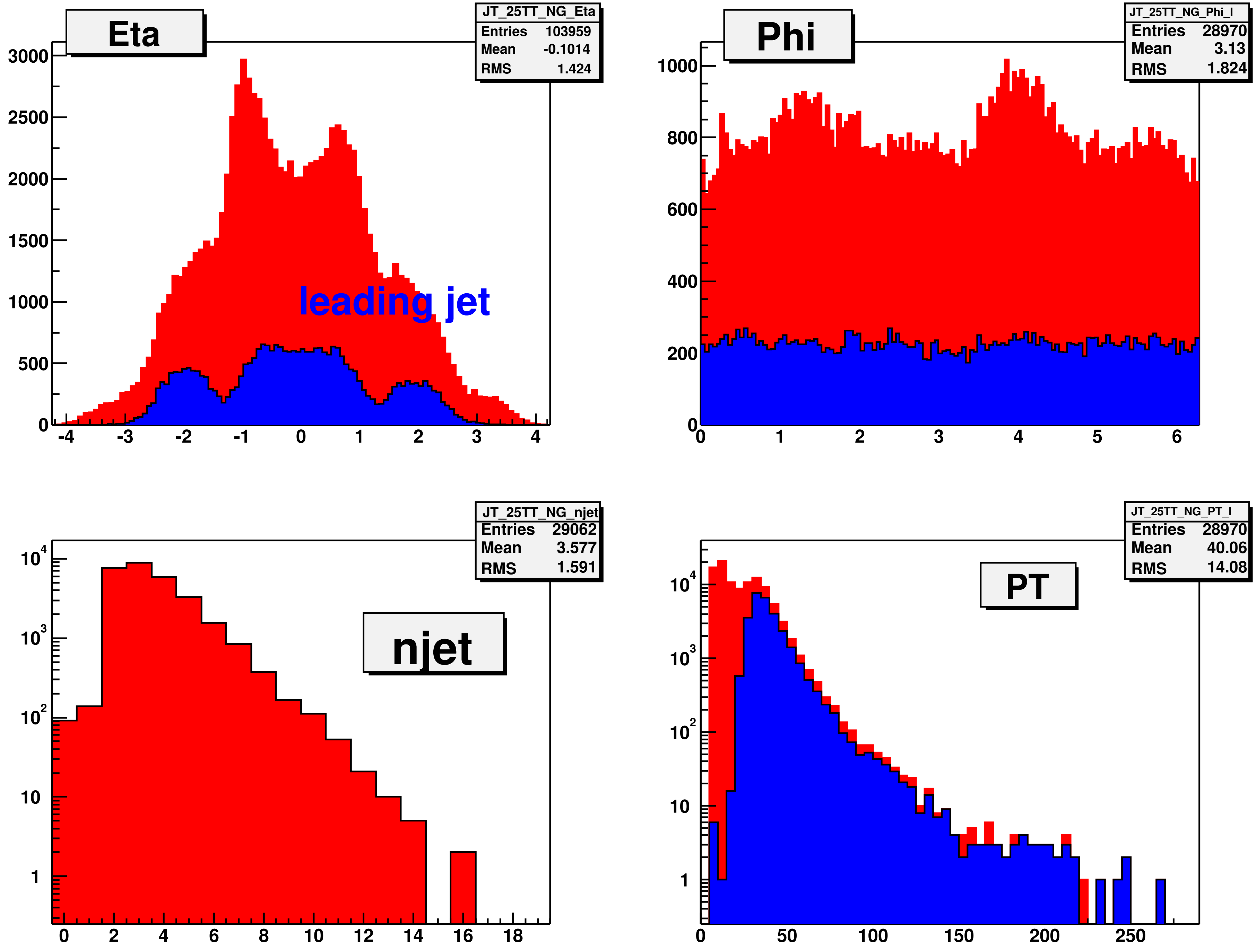
Individual cells



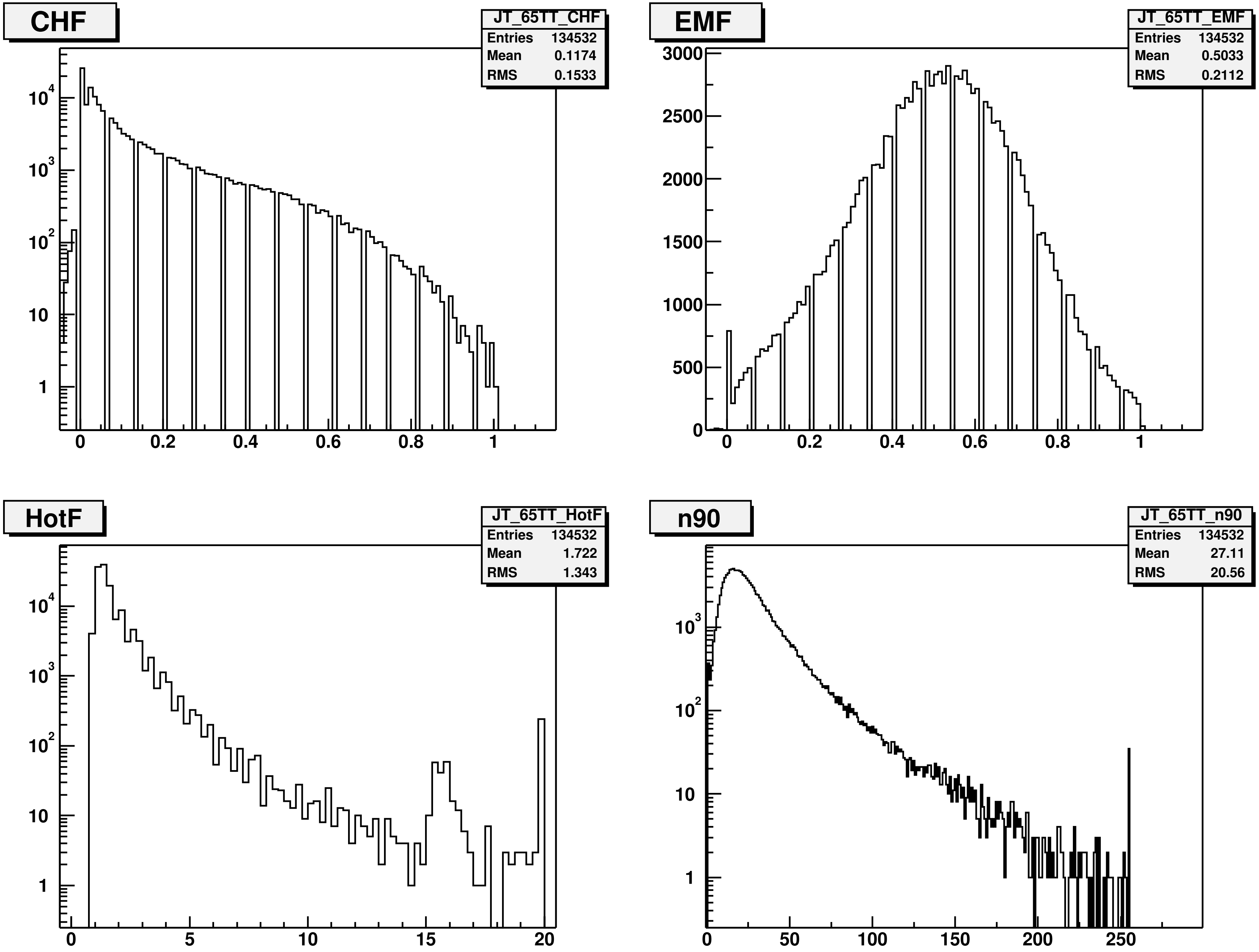
JT_25TT_NG - jet ID variables



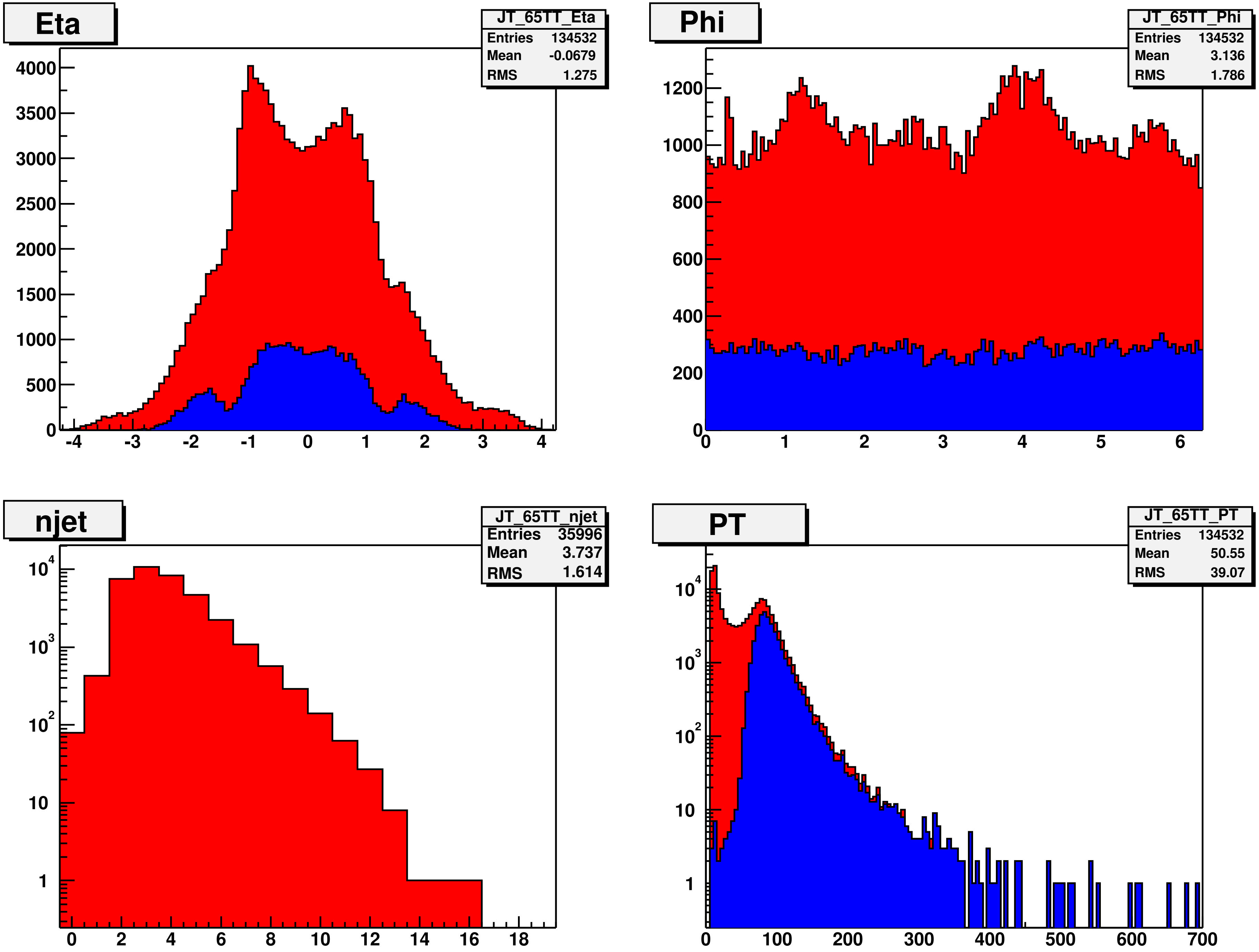
JT_25TT_NG


Eta
JT_25TT_NG_Eta
Entries 103959
Mean -0.1014
RMS 1.424
leading jet
Phi
JT_25TT_NG_Phi_l
Entries 28970
Mean 3.13
RMS 1.824
njet
JT_25TT_NG_njet
Entries 29062
Mean 3.577
RMS 1.591
PT
JT_25TT_NG_PT_l
Entries 28970
Mean 40.06
RMS 14.08

JT_65TT - jet ID variables



JT_65TT



Eta
JT_65TT_Eta
Entries 134532
Mean -0.0679
RMS 1.275
Phi
JT_65TT_Phi
Entries 134532
Mean 3.136
RMS 1.786
njet
JT_65TT_njet
Entries 35996
Mean 3.737
RMS 1.614
PT
JT_65TT_PT
Entries 134532
Mean 50.55
RMS 39.07