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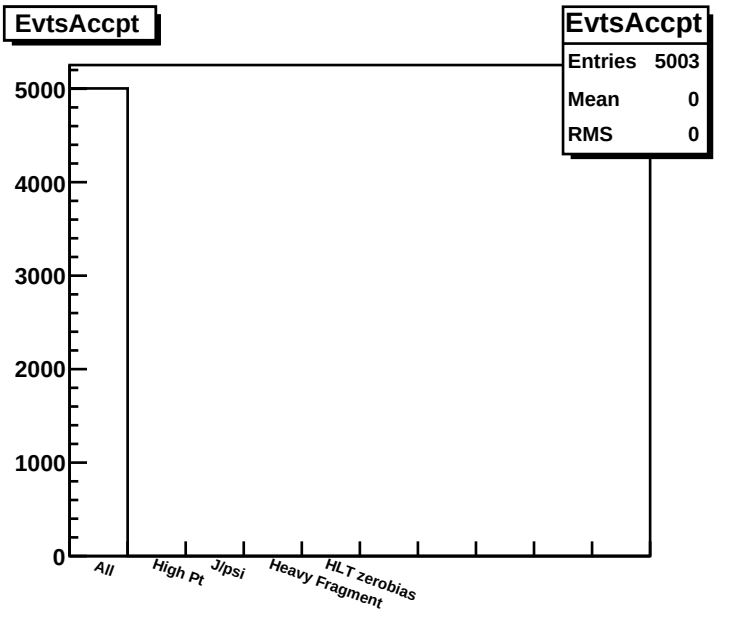
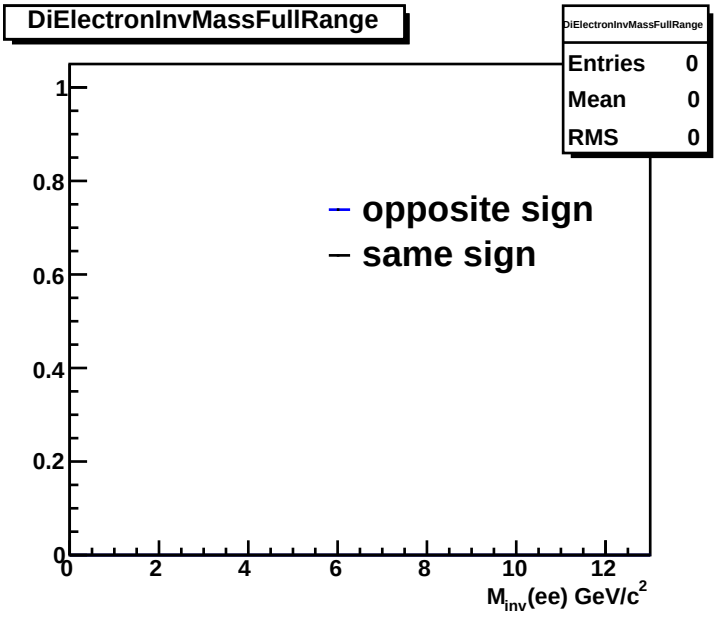
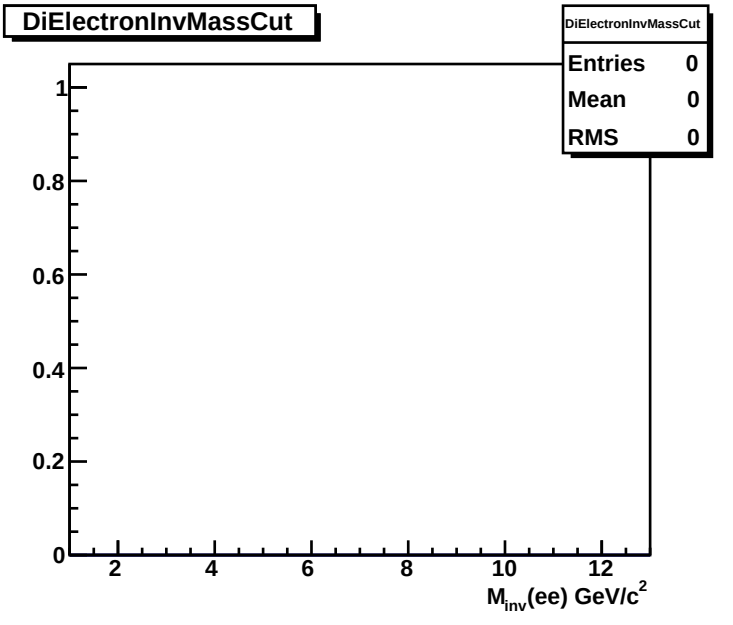
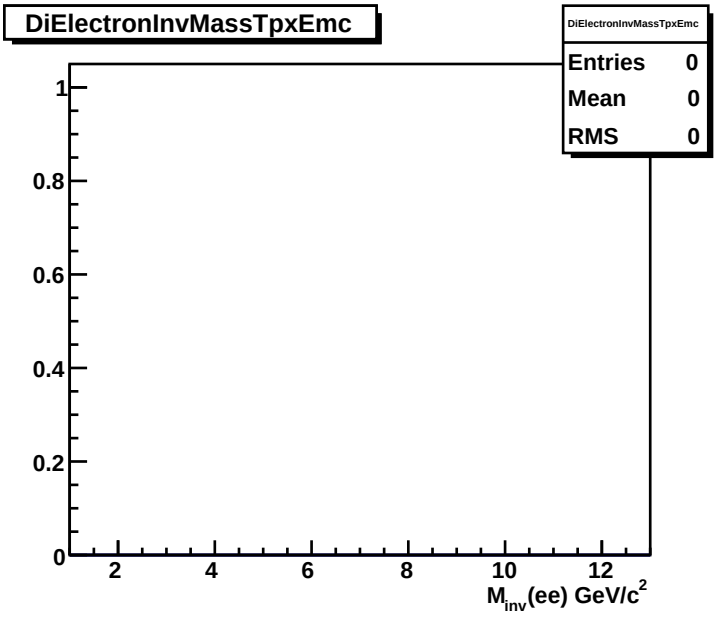
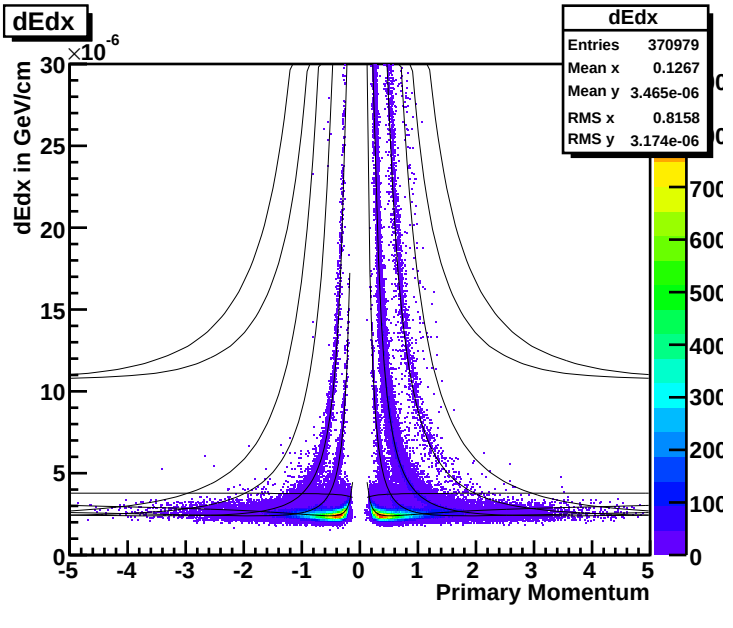
Tue Jun 28 02:34:32 2011

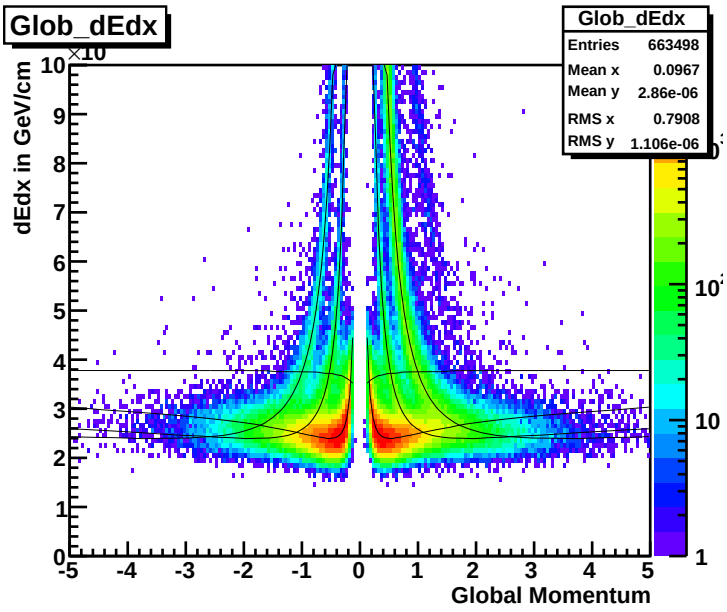


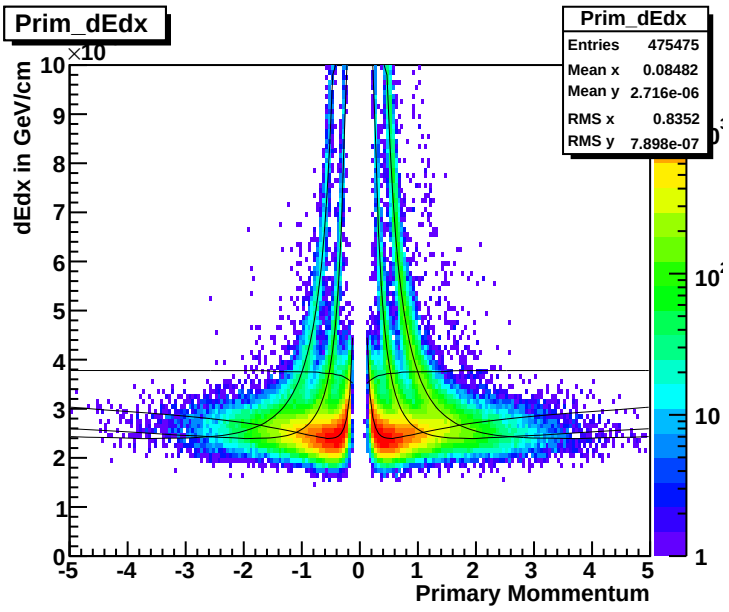


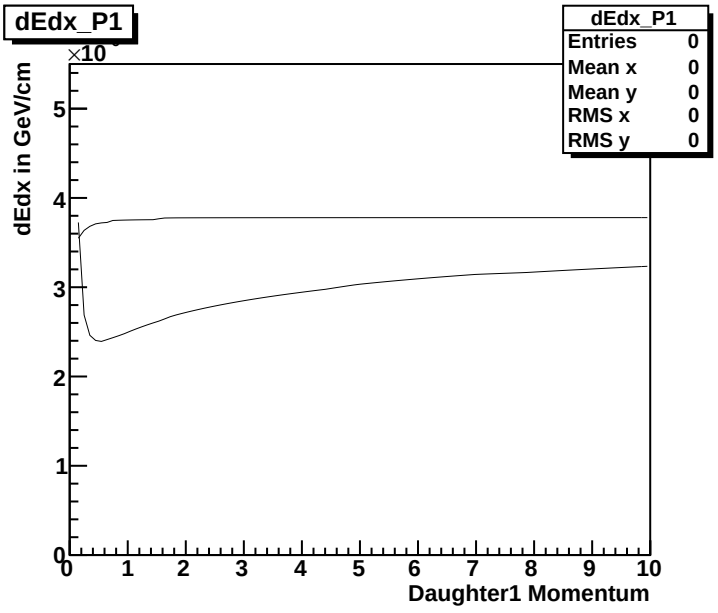


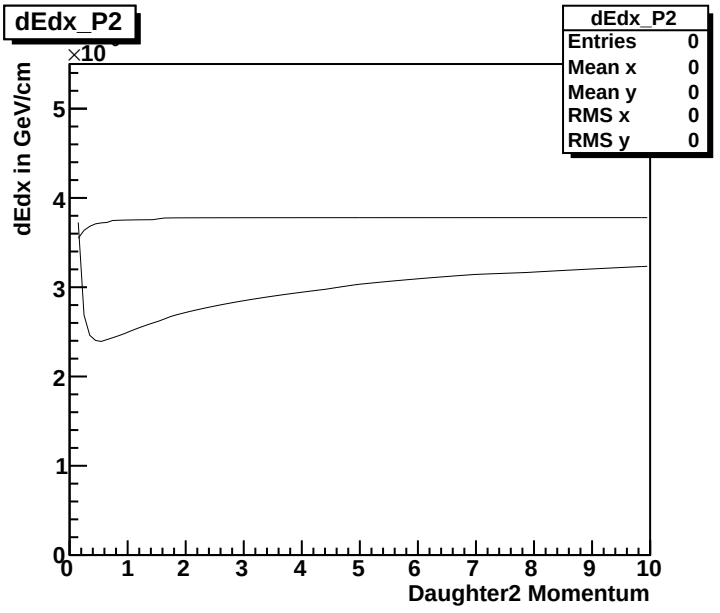


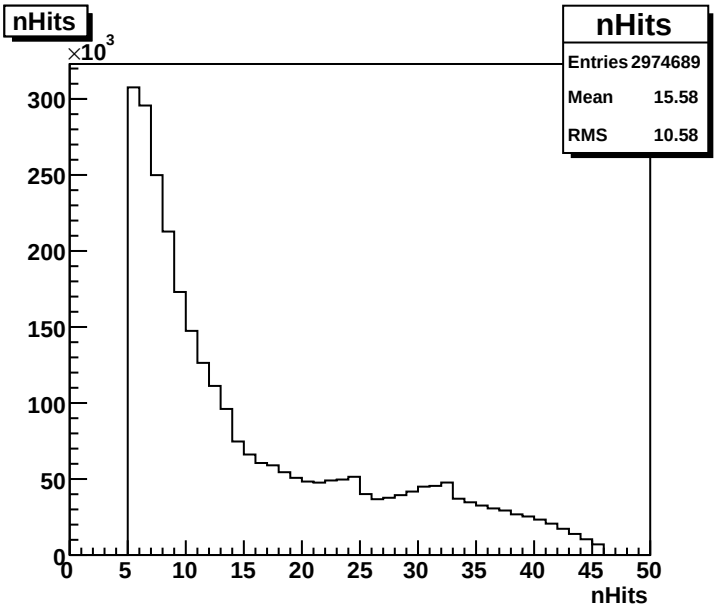


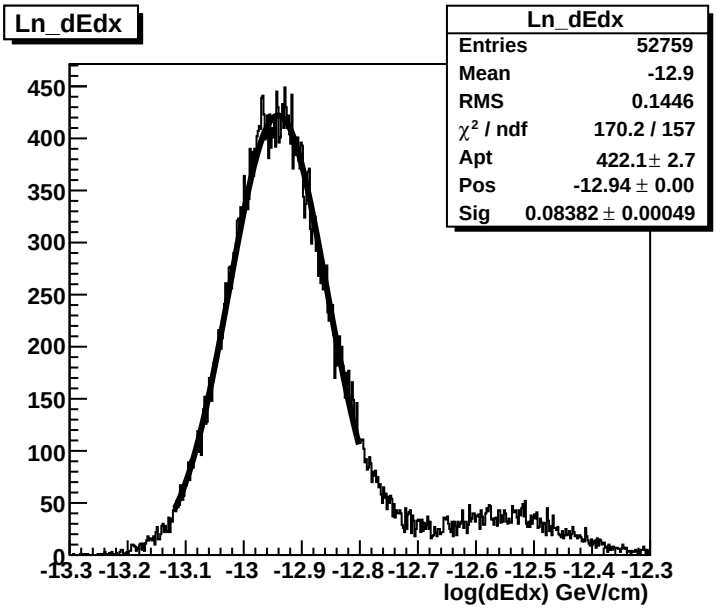

Glob_dEdx
Entries 663498
Mean x 0.0967
Mean y 2.86e-06
RMS x 0.7908
RMS y 1.106e-06
dEdx in GeV/cm
Global Momentum

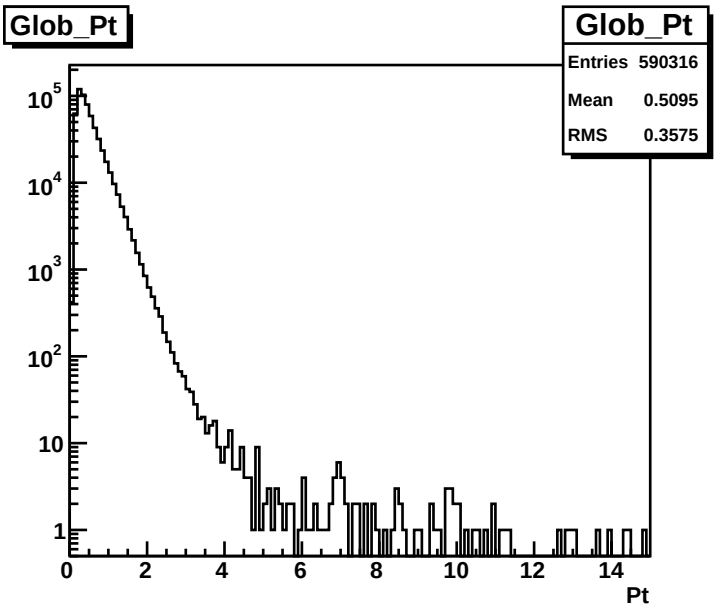

Prim_dEdx
Entries 475475
Mean x 0.08482
Mean y 2.716e-06
RMS x 0.8352
RMS y 7.898e-07
dEdx in GeV/cm
Primary Mommentum

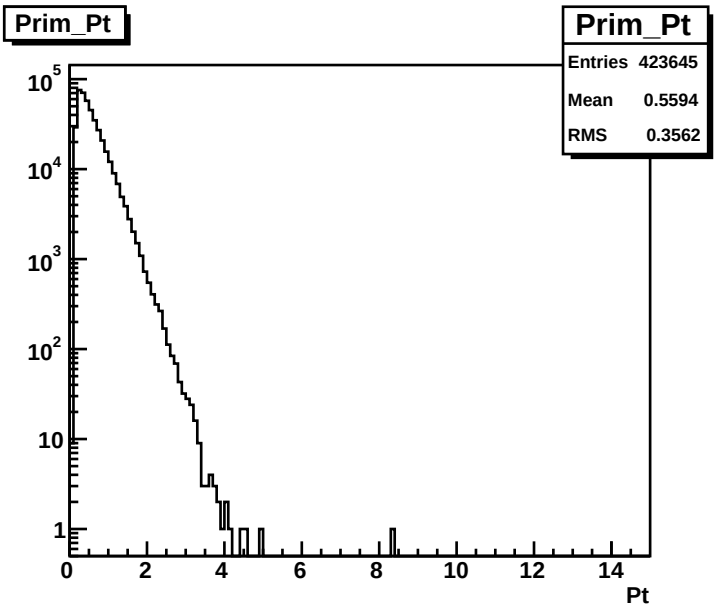

dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

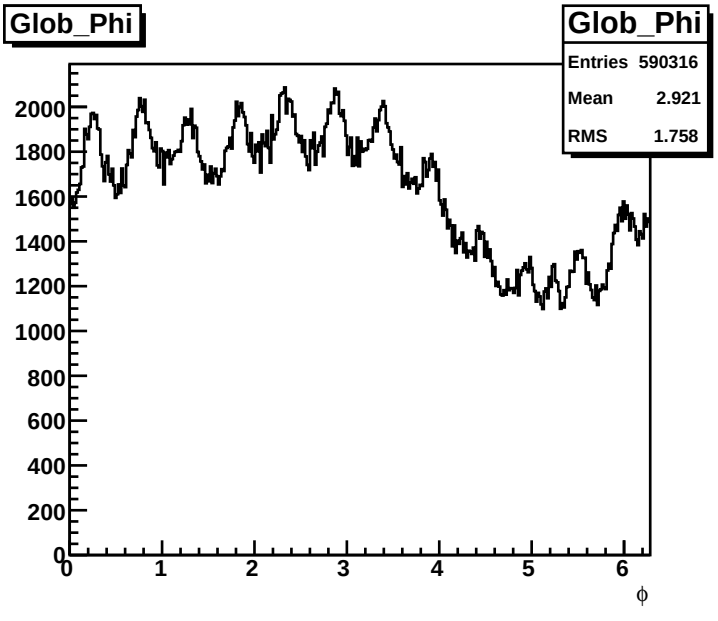

dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

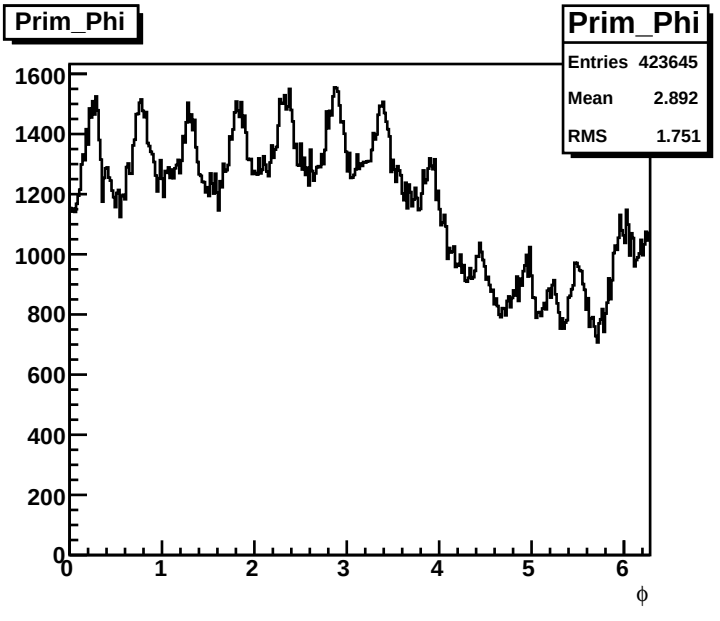

nHits
Entries 2974689
Mean 15.58
RMS 10.58
nHits

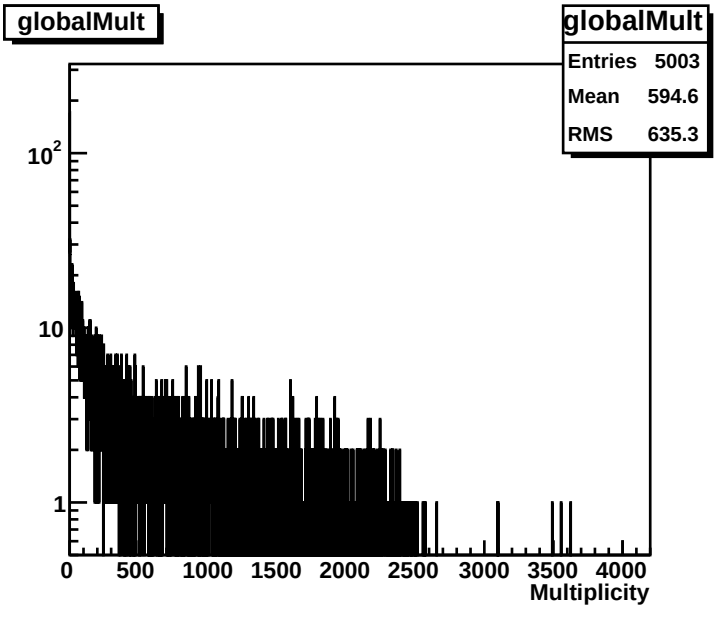

Ln_dEdx
Entries 52759
Mean -12.9
RMS 0.1446
χ² / ndf 170.2 / 157
Apt 422.1 ± 2.7
Pos -12.94 ± 0.00
Sig 0.08382 ± 0.00049
log(dEdx) GeV/cm)

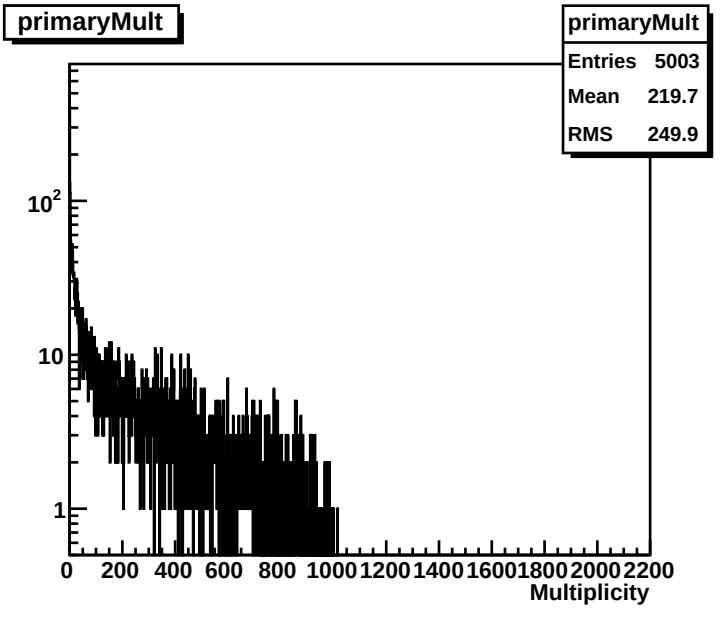

Glob_Pt
Glob_Pt
Entries 590316
Mean 0.5095
RMS 0.3575
Pt

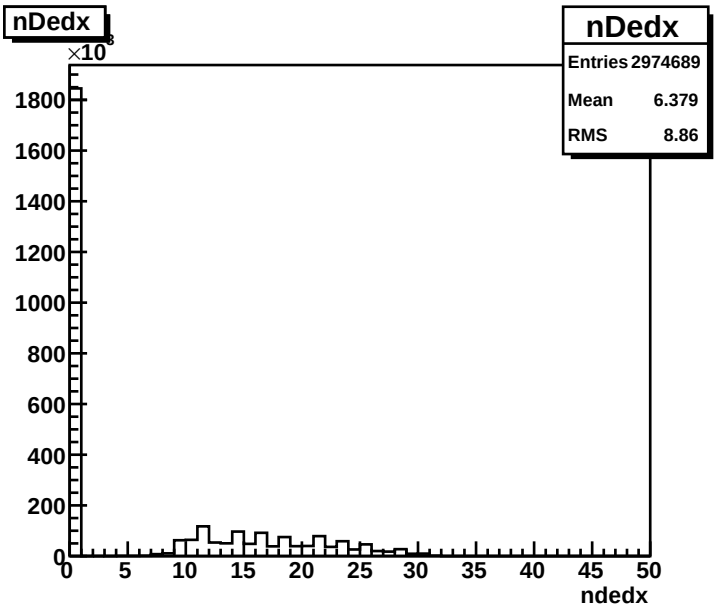

Prim_Pt
Prim_Pt
Entries 423645
Mean 0.5594
RMS 0.3562
Pt

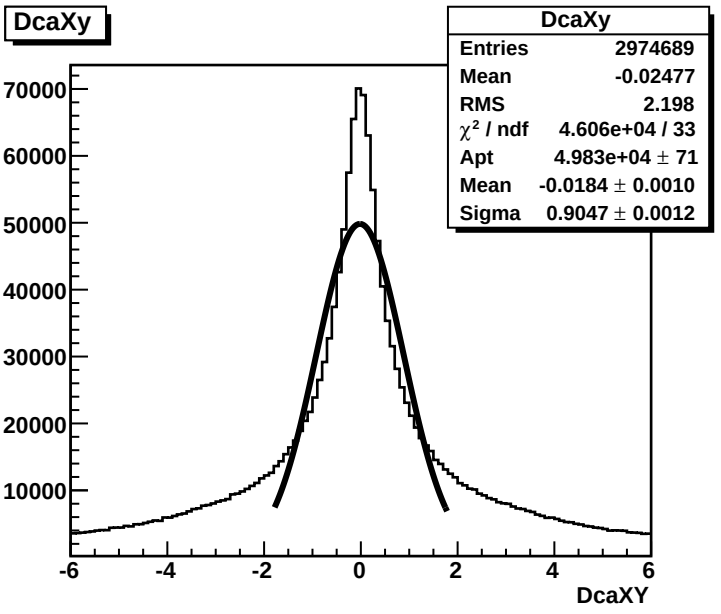

Glob_Phi
Glob_Phi
Entries 590316
Mean 2.921
RMS 1.758
ϕ

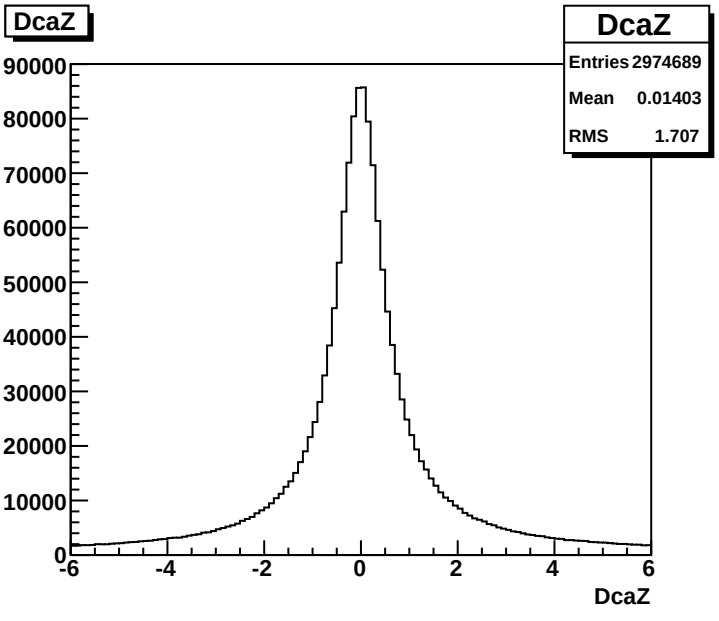

Prim_Phi
Prim_Phi
Entries 423645
Mean 2.892
RMS 1.751
ϕ

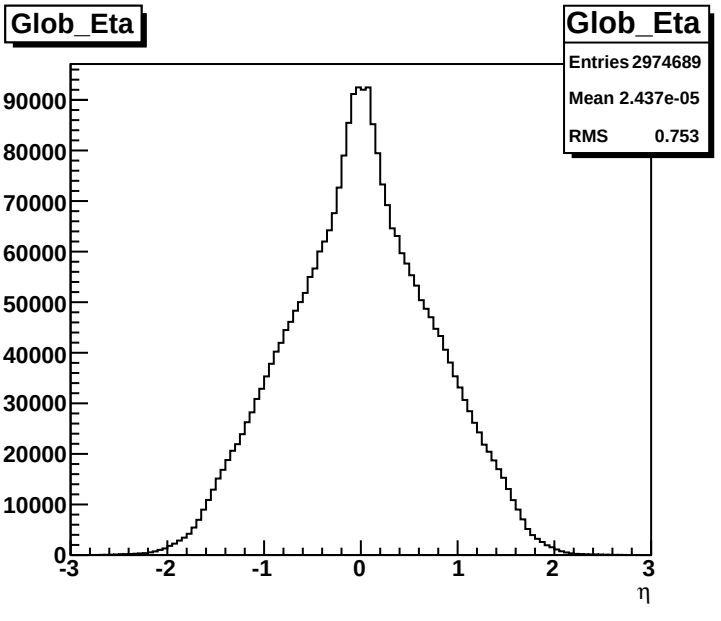

globalMult
globalMult
Entries 5003
Mean 594.6
RMS 635.3
Multiplicity

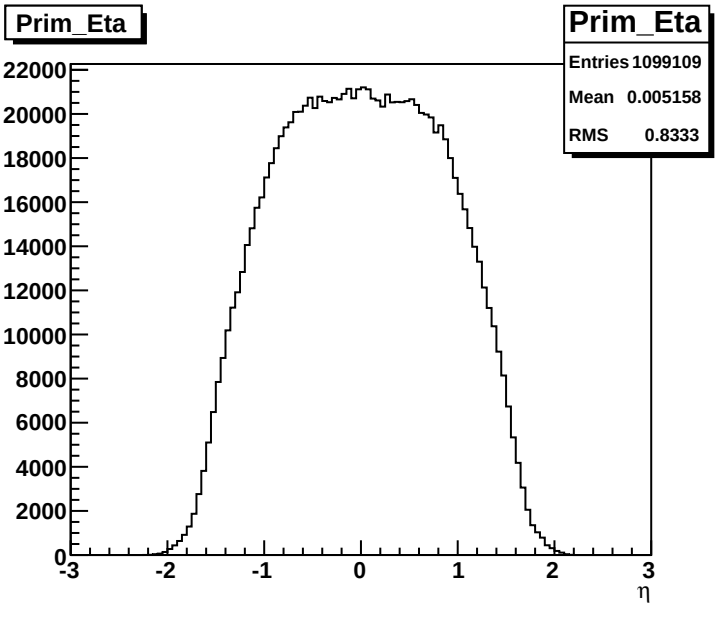

primaryMult
primaryMult
Entries 5003
Mean 219.7
RMS 249.9
Multiplicity

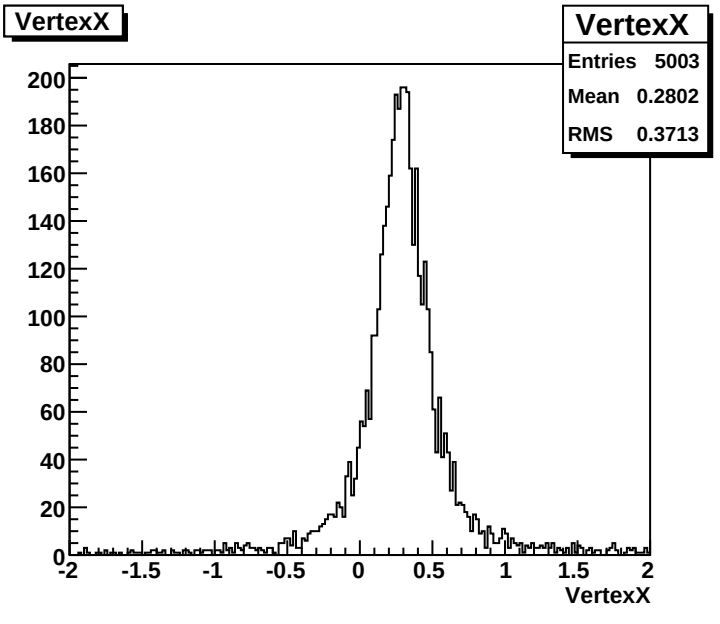

nDedx
nDedx
Entries 2974689
Mean 6.379
RMS 8.86
×10³
ndedx

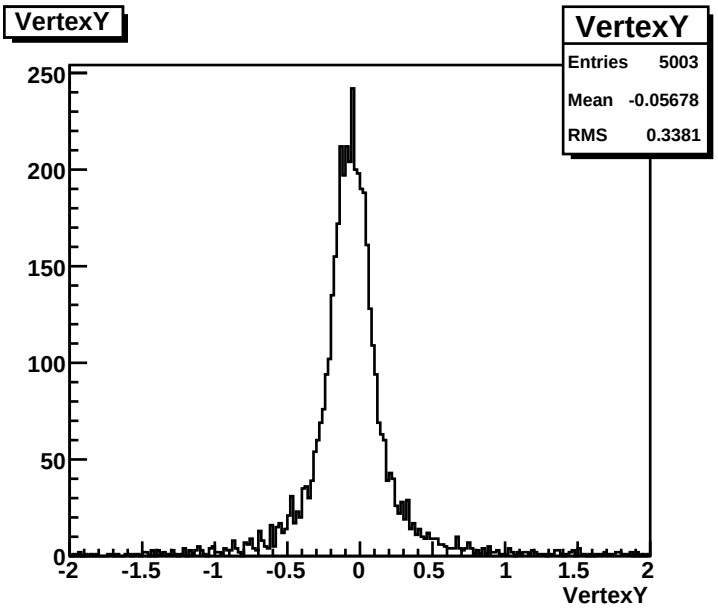

DcaXy
DcaXy
Entries 2974689
Mean -0.02477
RMS 2.198
χ² / ndf 4.606e+04 / 33
Apt 4.983e+04 ± 71
Mean -0.0184 ± 0.0010
Sigma 0.9047 ± 0.0012
DcaXY

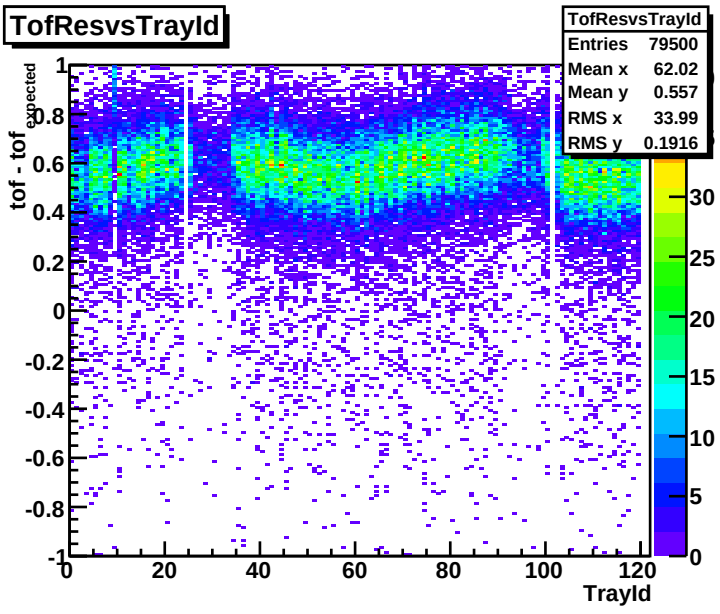

DcaZ
DcaZ
Entries 2974689
Mean 0.01403
RMS 1.707
DcaZ

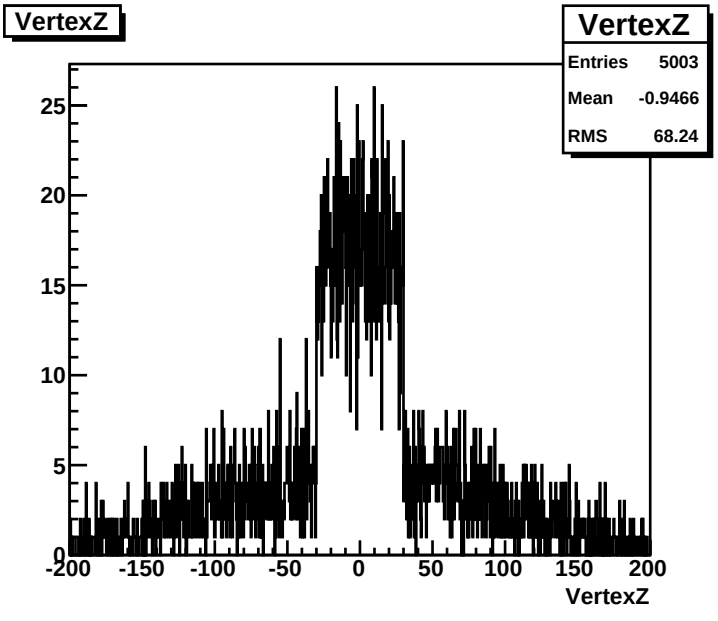

Glob_Eta
Glob_Eta
Entries 2974689
Mean 2.437e-05
RMS 0.753
η

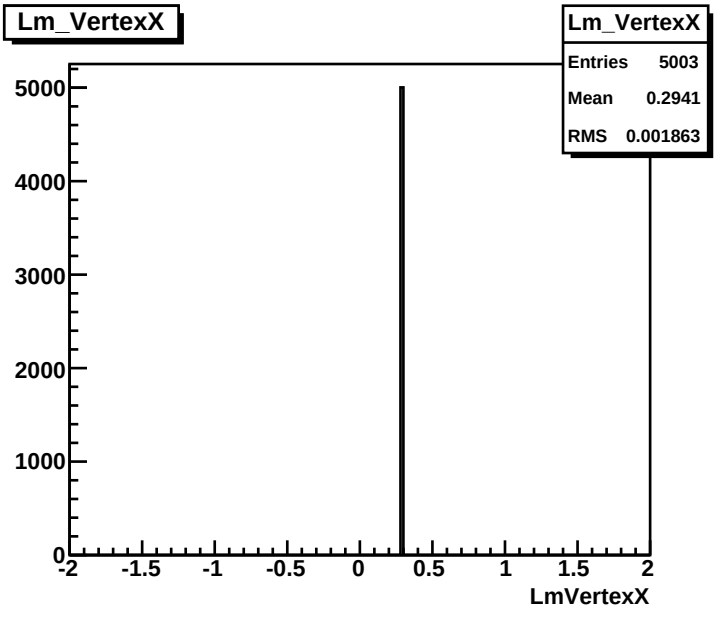

Prim_Eta
Prim_Eta
Entries 1099109
Mean 0.005158
RMS 0.8333
η

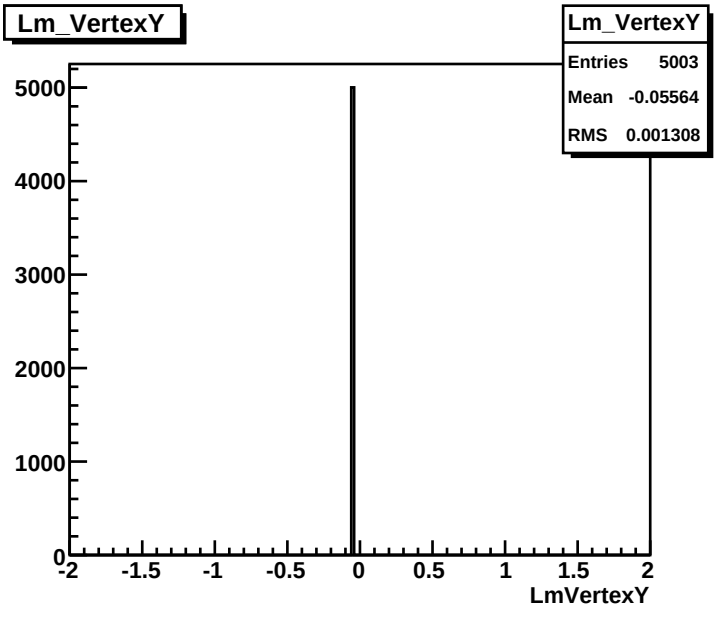

VertexX
VertexX
Entries 5003
Mean 0.2802
RMS 0.3713
VertexX

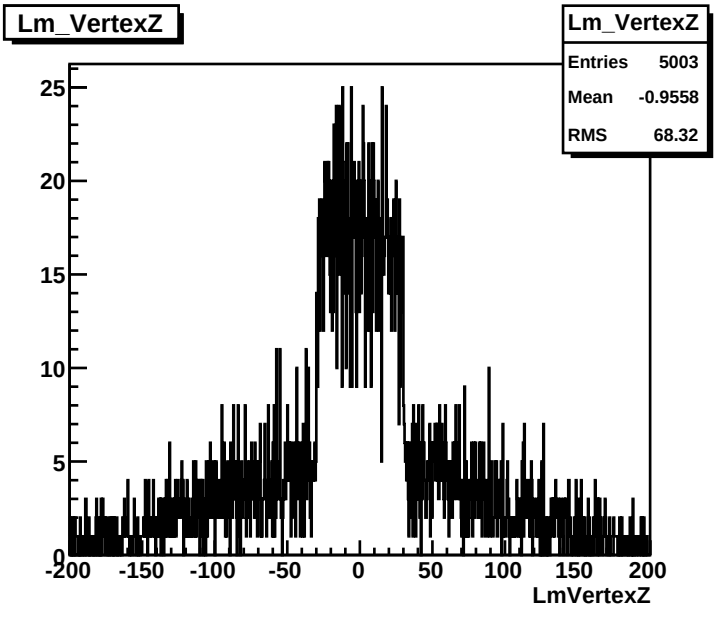

VertexY
VertexY
Entries 5003
Mean -0.05678
RMS 0.3381
VertexY

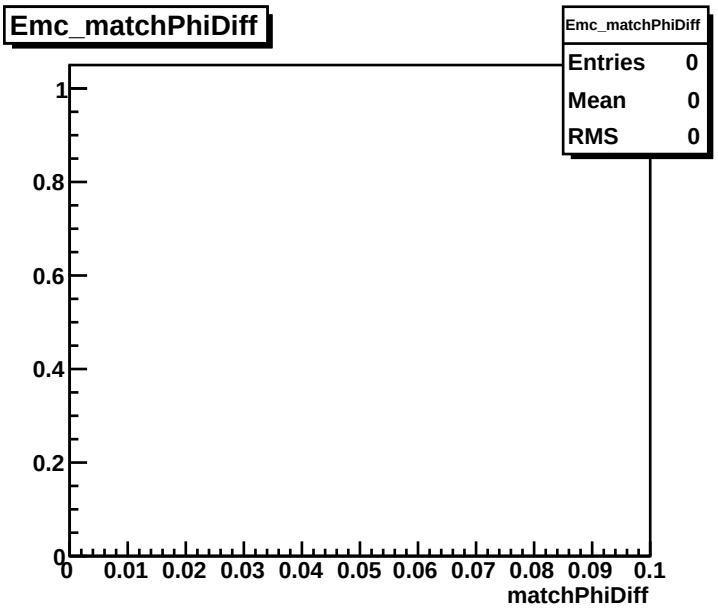

TofResvsTrayId
TofResvsTrayId
Entries 79500
Mean x 62.02
Mean y 0.557
RMS x 33.99
RMS y 0.1916
tof - tof expected
TrayId

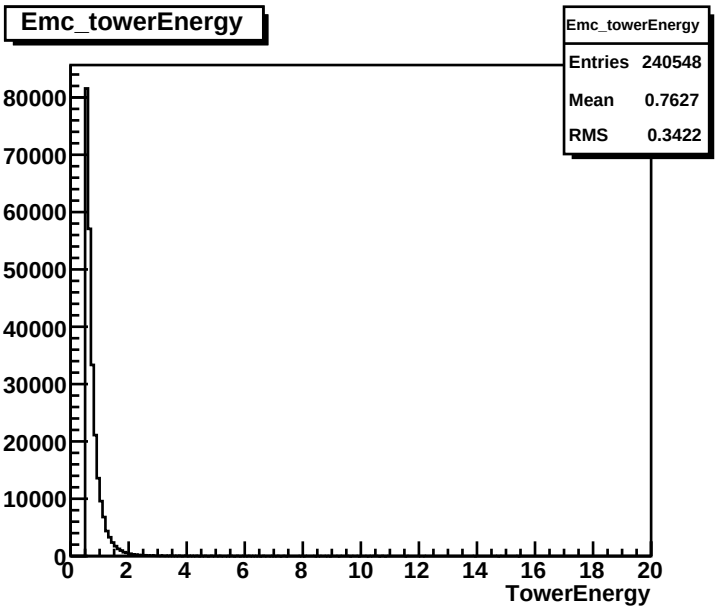

VertexZ
VertexZ
Entries 5003
Mean -0.9466
RMS 68.24
VertexZ

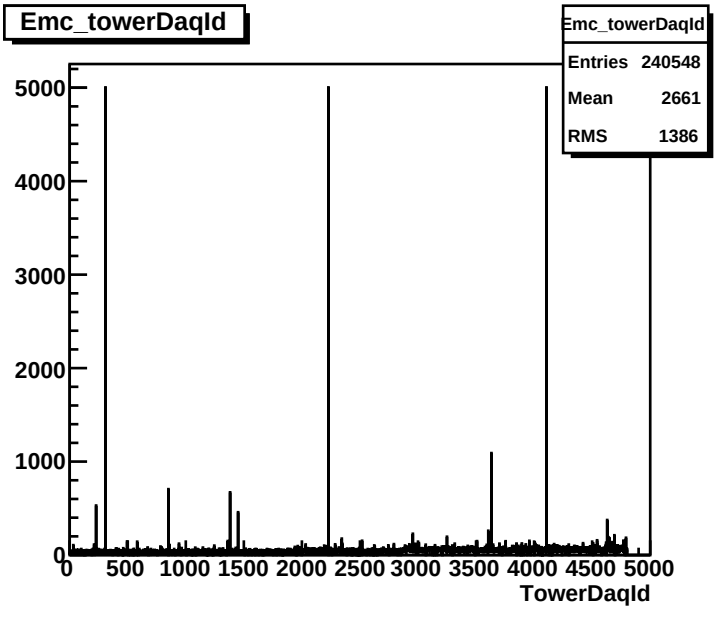

Lm_VertexX
Lm_VertexX
Entries 5003
Mean 0.2941
RMS 0.001863
LmVertexX

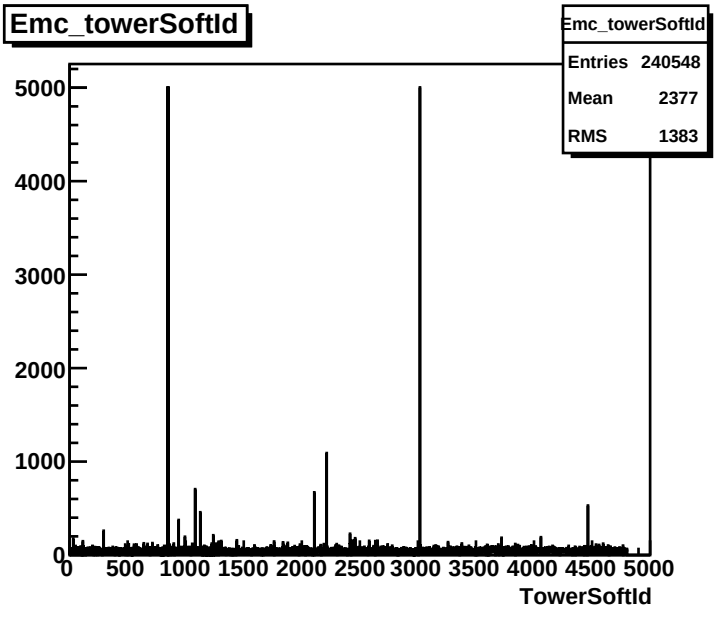

Lm_VertexY
Lm_VertexY
Entries 5003
Mean -0.05564
RMS 0.001308
LmVertexY

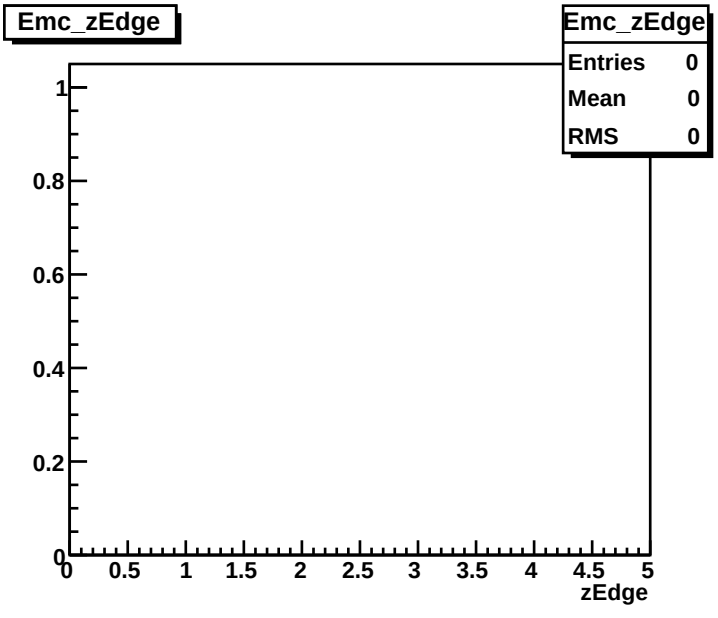

Lm_VertexZ
Lm_VertexZ
Entries 5003
Mean -0.9558
RMS 68.32
LmVertexZ

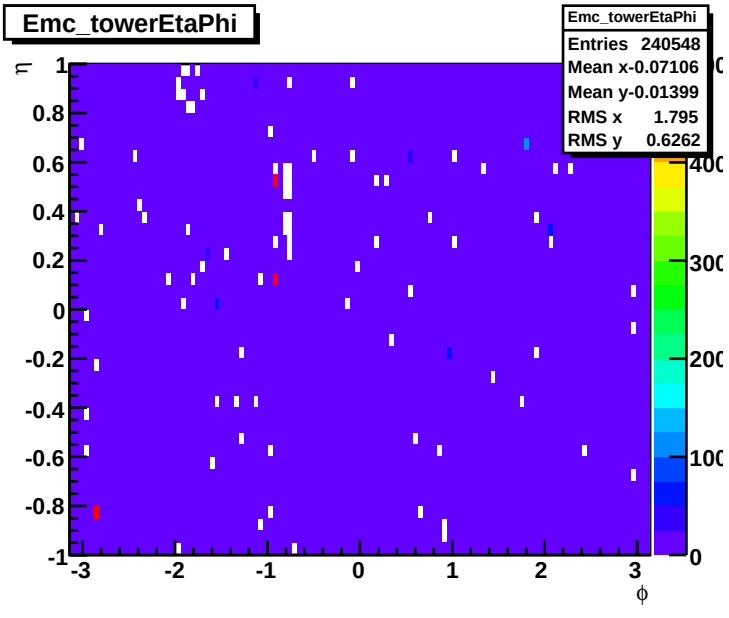

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

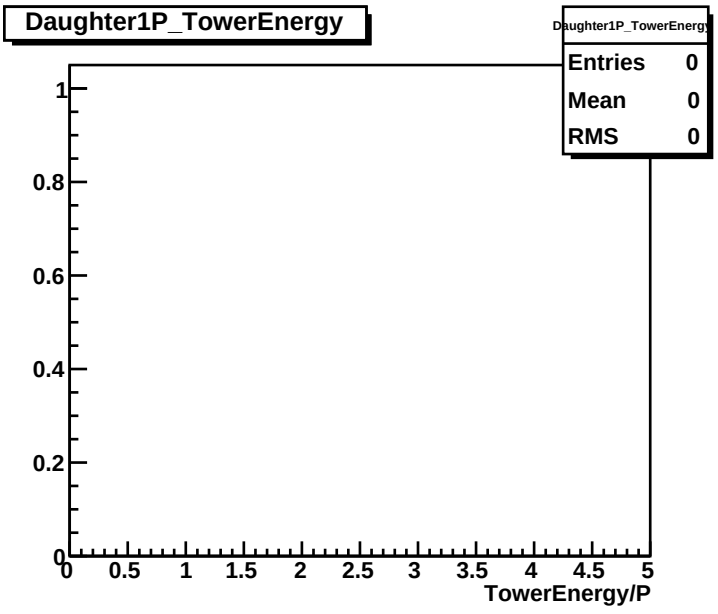

Emc_towerEnergy
Emc_towerEnergy
Entries 240548
Mean 0.7627
RMS 0.3422
TowerEnergy

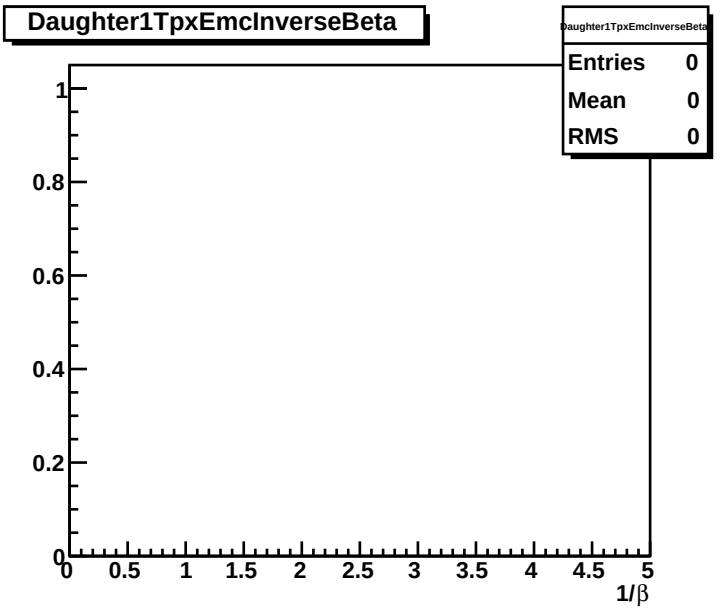

Emc_towerDaqId
Emc_towerDaqId
Entries 240548
Mean 2661
RMS 1386
TowerDaqId

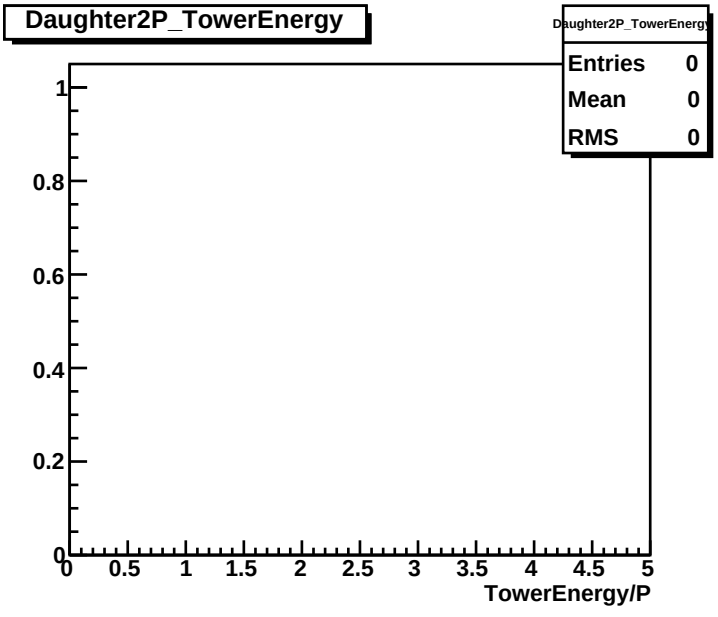

Emc_towerSoftId
Emc_towerSoftId
Entries 240548
Mean 2377
RMS 1383
TowerSoftId

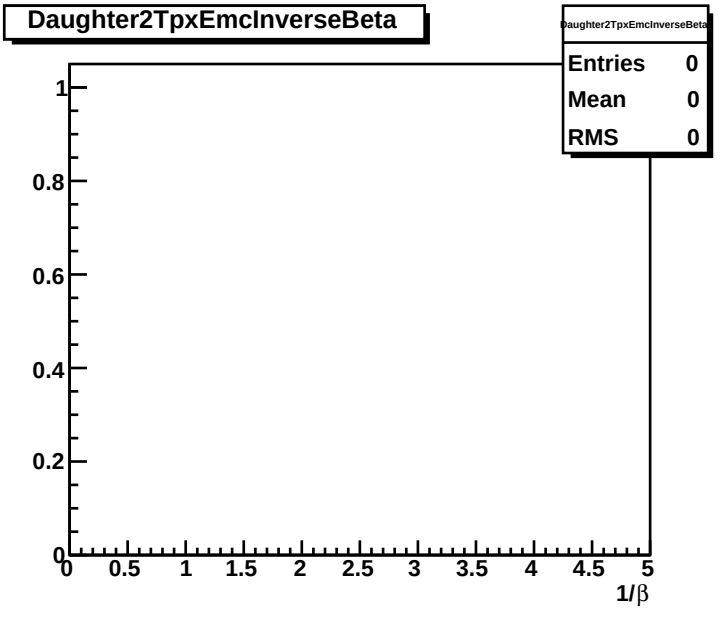

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

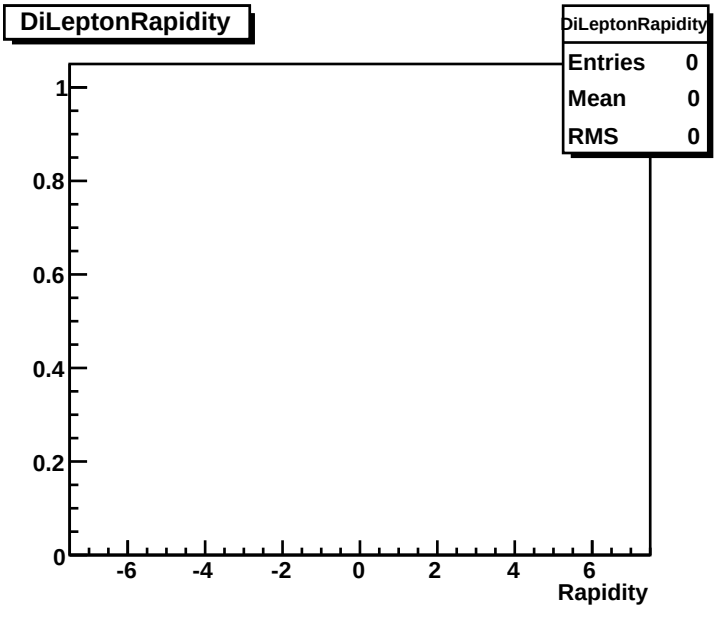

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 240548
Mean x-0.07106
Mean y-0.01399
RMS x 1.795
RMS y 0.6262
η
ϕ

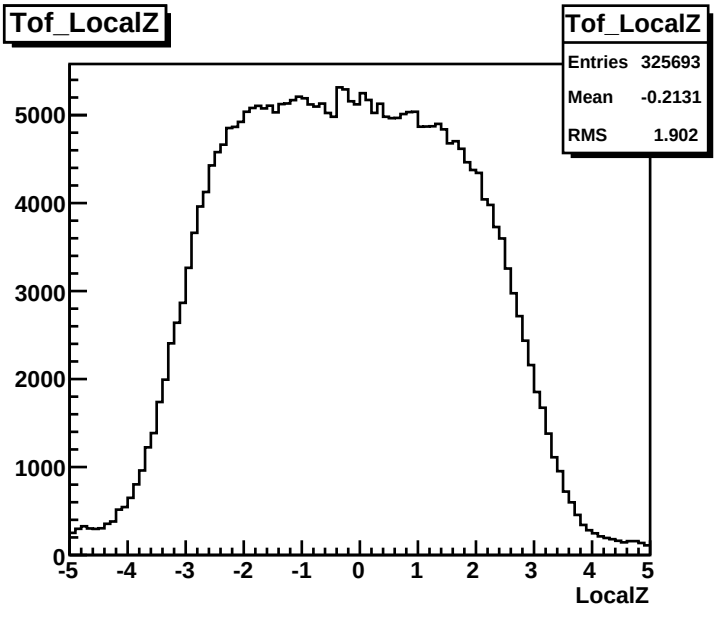

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

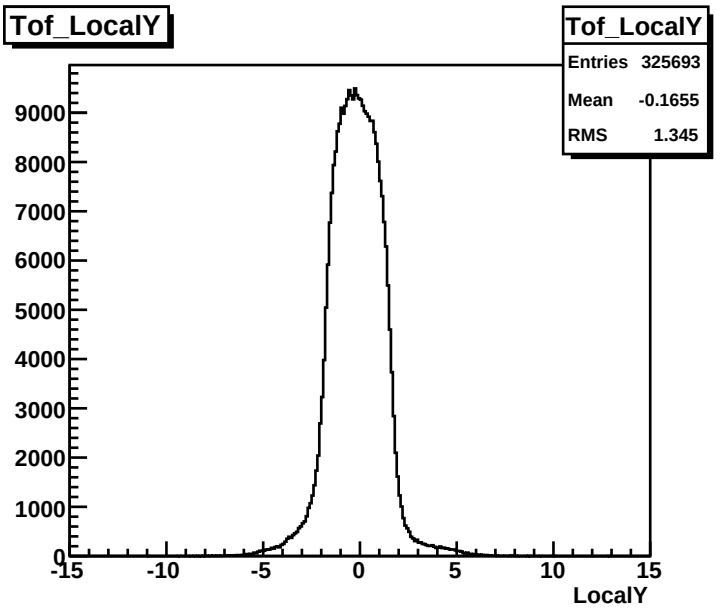

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

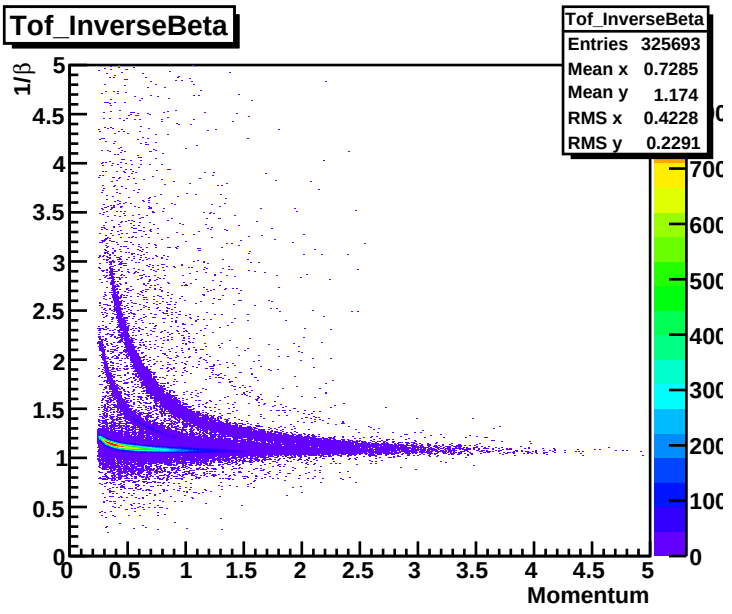

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

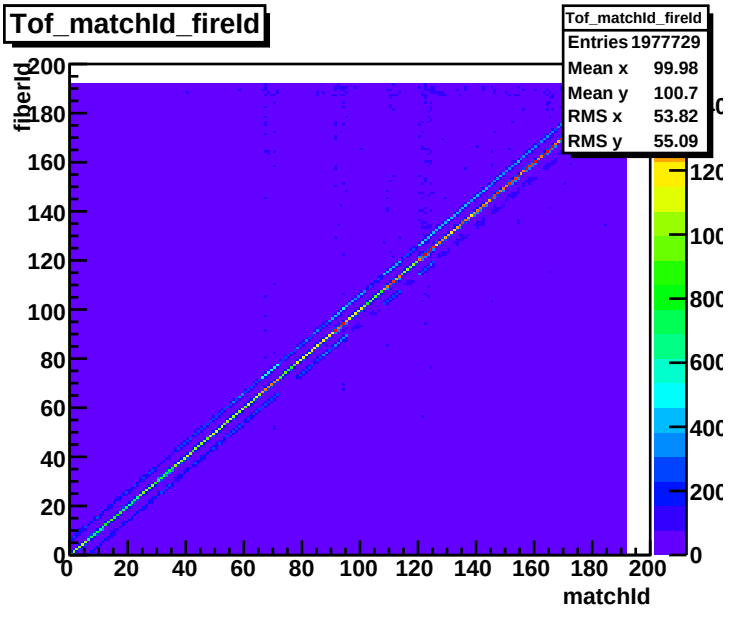

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

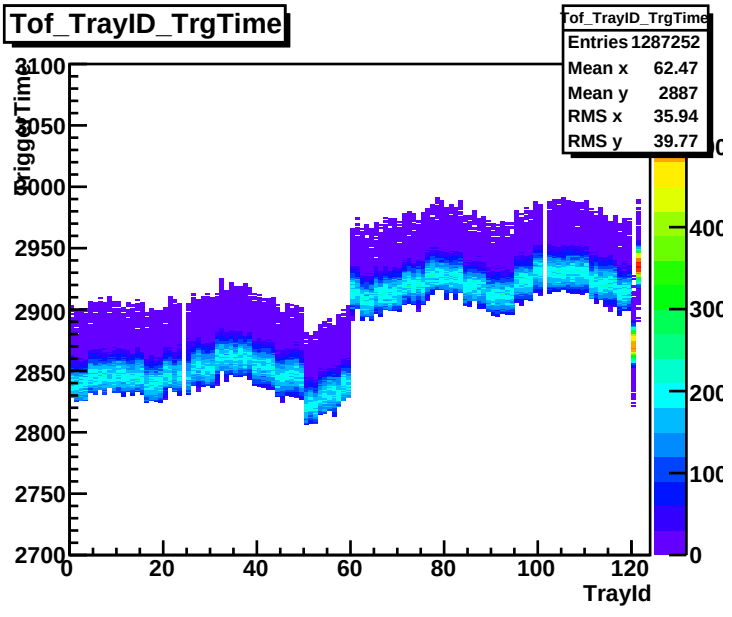

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

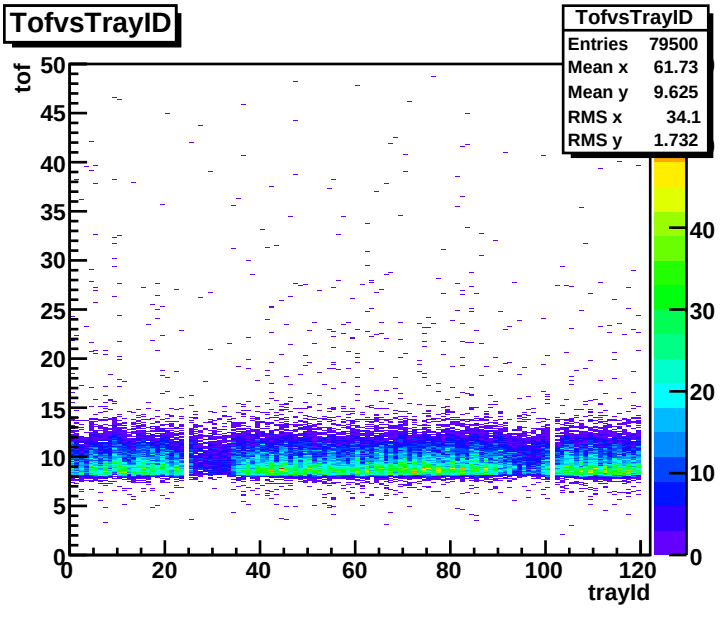

Tof_LocalZ
Tof_LocalZ
Entries 325693
Mean -0.2131
RMS 1.902
LocalZ

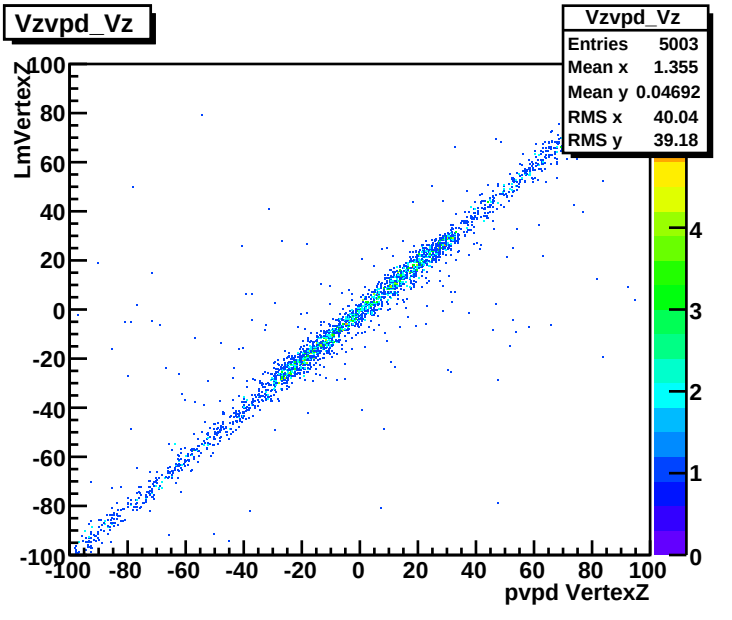

Tof_LocalY
Tof_LocalY
Entries 325693
Mean -0.1655
RMS 1.345
LocalY

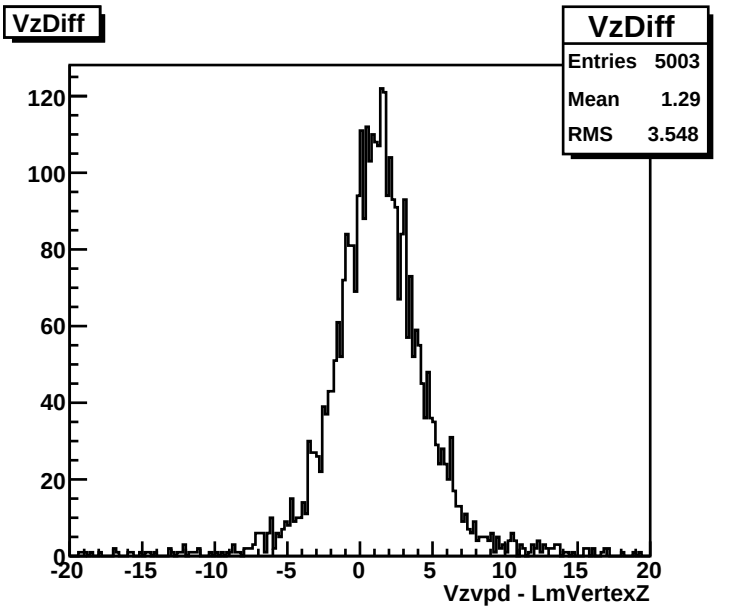

Tof_InverseBeta
Tof_InverseBeta
Entries 325693
Mean x 0.7285
Mean y 1.174
RMS x 0.4228
RMS y 0.2291
1/β
Momentum

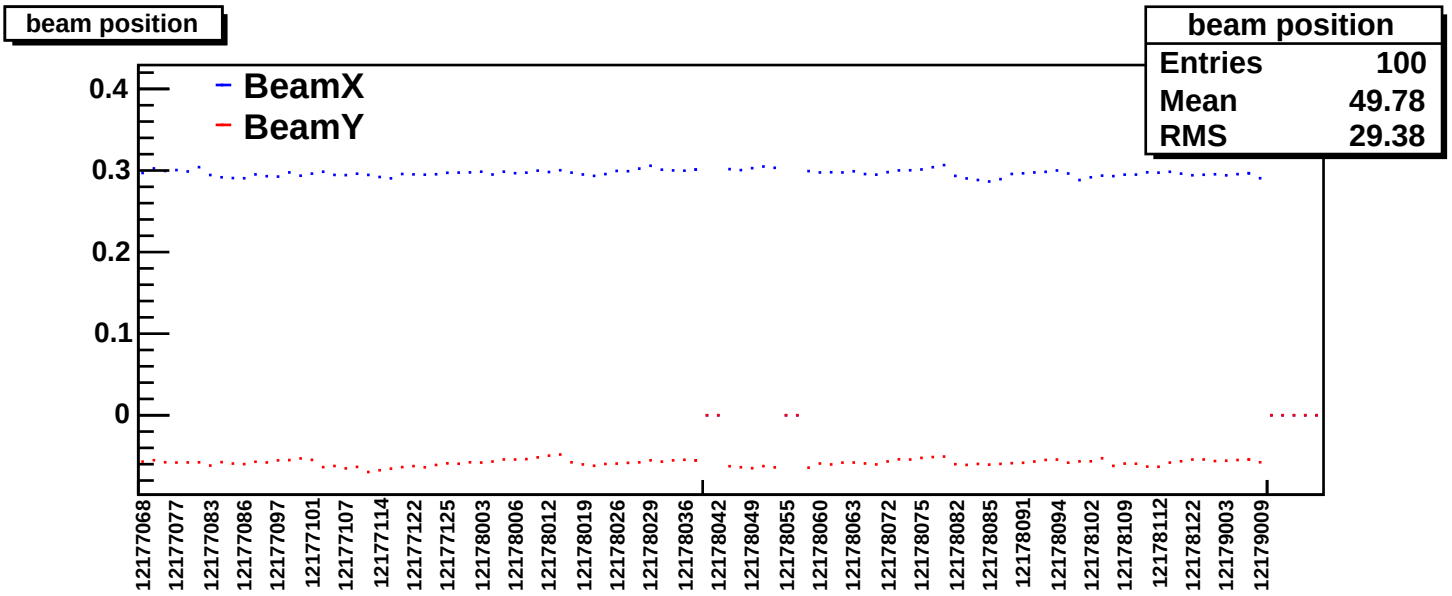

Tof_matchId_fireId
Tof_matchId_fireId
Entries 1977729
Mean x 99.98
Mean y 100.7
RMS x 53.82
RMS y 55.09
fiberId
matchId

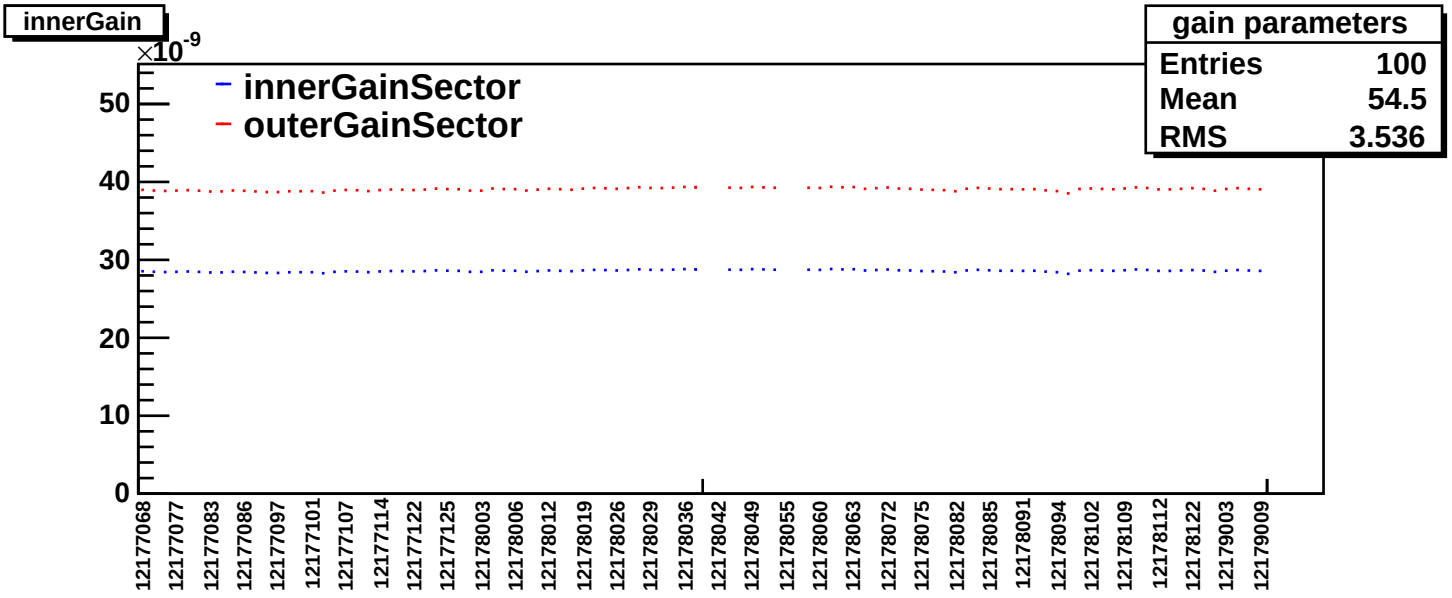

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 1287252
Mean x 62.47
Mean y 2887
RMS x 35.94
RMS y 39.77
TrayId

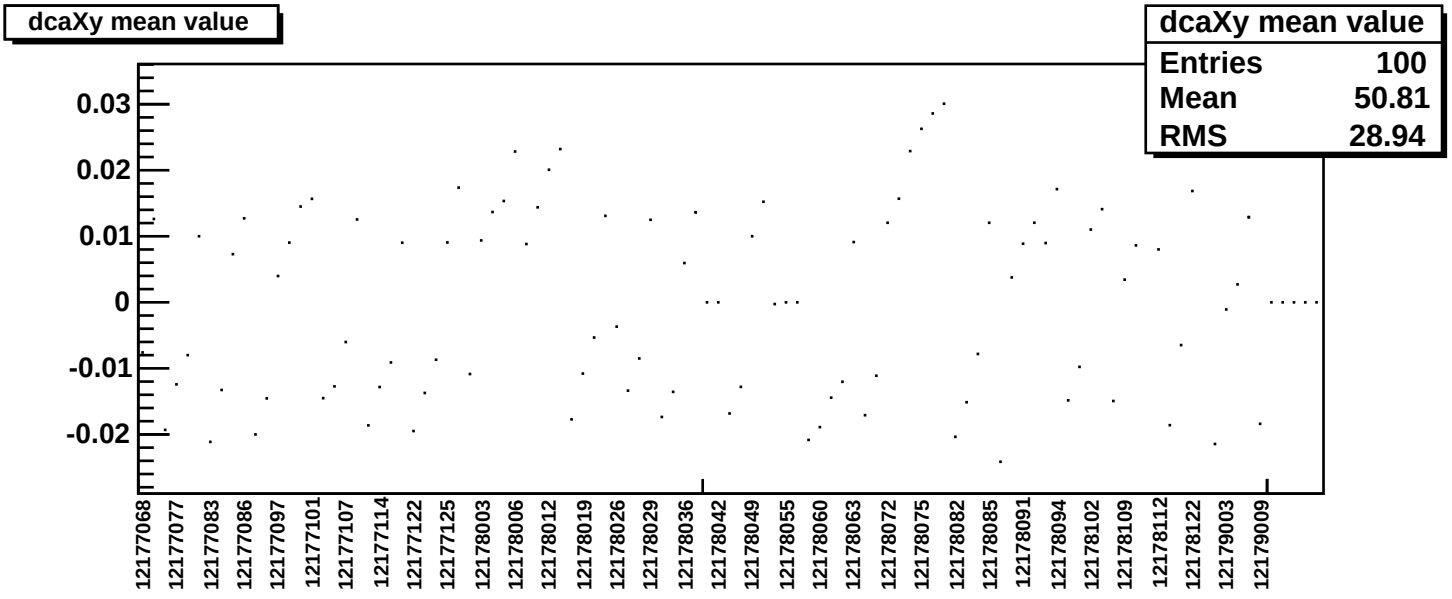

TofvsTrayID
TofvsTrayID
Entries 79500
Mean x 61.73
Mean y 9.625
RMS x 34.1
RMS y 1.732
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 5003
Mean x 1.355
Mean y 0.04692
RMS x 40.04
RMS y 39.18
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 5003
Mean 1.29
RMS 3.548
120
100
80
60
40
20
0
-20
-15
-10
-5
0
5
10
15
20
Vzvpd - LmVertexZ


beam position
beam position
Entries 100
Mean 49.78
RMS 29.38
BeamX
BeamY
0.4
0.3
0.2
0.1
0
12177068 12177077 12177083 12177086 12177097 12177101 12177107 12177114 12177122 12177125 12178003 12178006 12178012 12178019 12178026 12178029 12178036 12178042 12178049 12178055 12178060 12178063 12178072 12178075 12178082 12178085 12178091 12178094 12178102 12178109 12178112 12178122 12179003 12179009


innerGain
gain parameters
Entries 100
Mean 54.5
RMS 3.536
×10^-9
innerGainSector
outerGainSector
50
40
30
20
10
0
12177068 12177077 12177083 12177086 12177097 12177101 12177107 12177114 12177122 12177125 12178003 12178006 12178012 12178019 12178026 12178029 12178036 12178042 12178049 12178055 12178060 12178063 12178072 12178075 12178082 12178085 12178091 12178094 12178102 12178109 12178112 12178122 12179003 12179009


dcaXy mean value
dcaXy mean value
Entries 100
Mean 50.81
RMS 28.94
0.03
0.02
0.01
0
-0.01
-0.02
12177068 12177077 12177083 12177086 12177097 12177101 12177107 12177114 12177122 12177125 12178003 12178006 12178012 12178019 12178026 12178029 12178036 12178042 12178049 12178055 12178060 12178063 12178072 12178075 12178082 12178085 12178091 12178094 12178102 12178109 12178112 12178122 12179003 12179009