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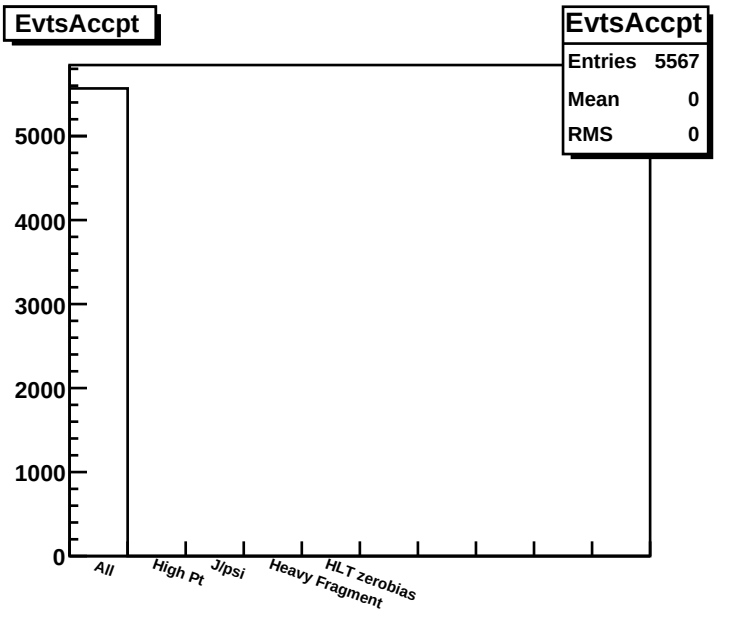
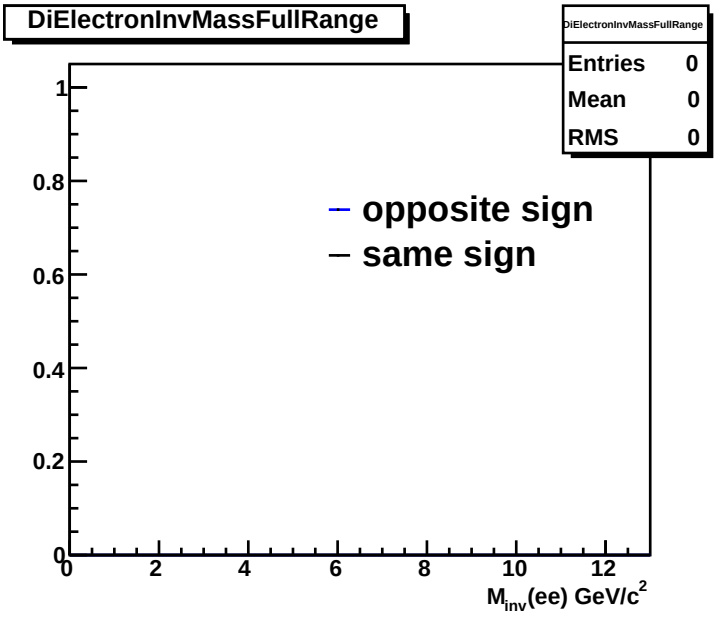
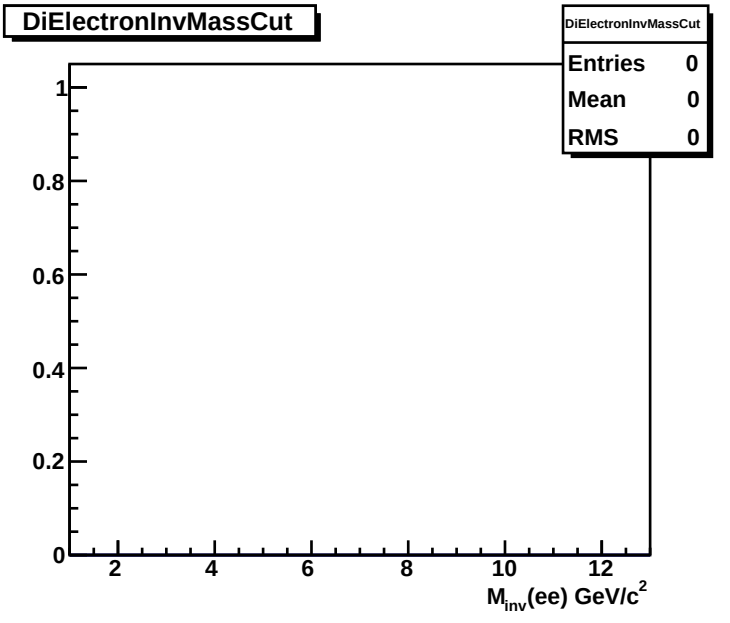
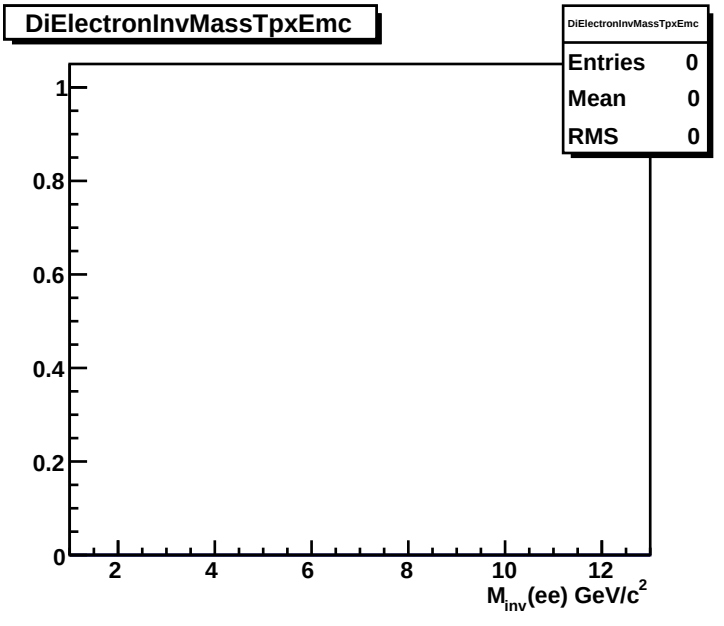
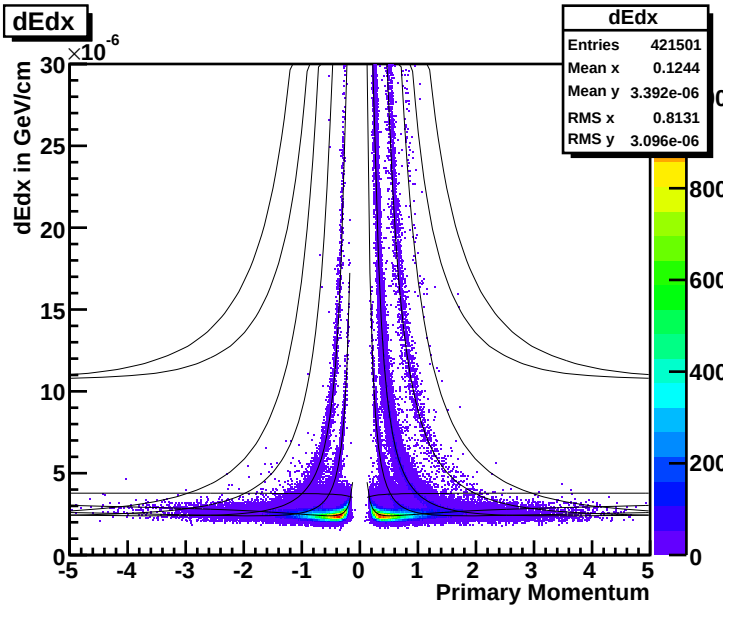
Thu Jun 23 18:29:22 2011

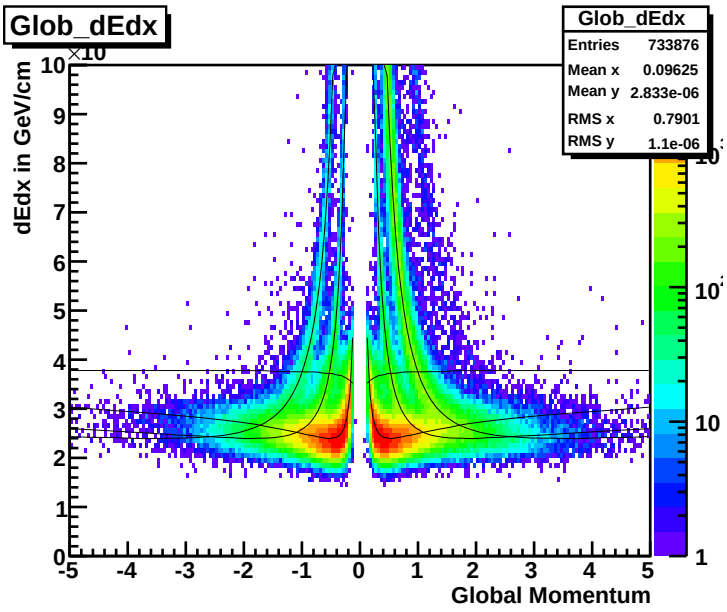


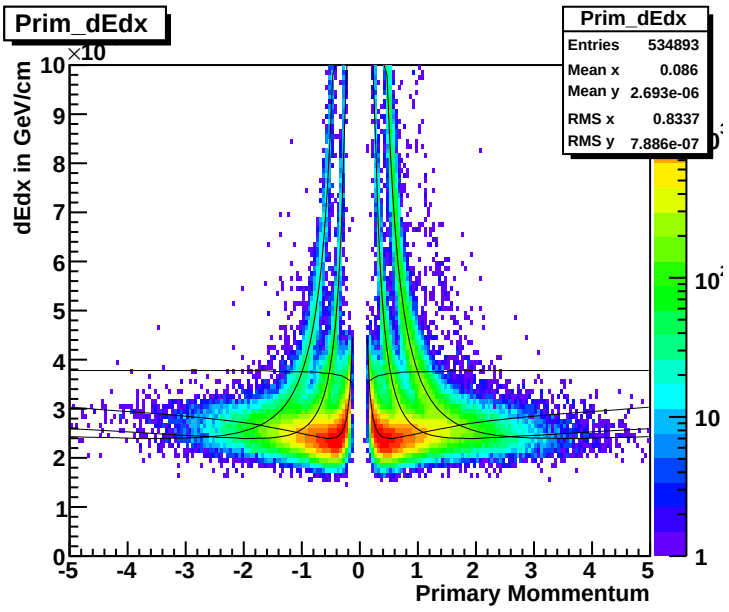


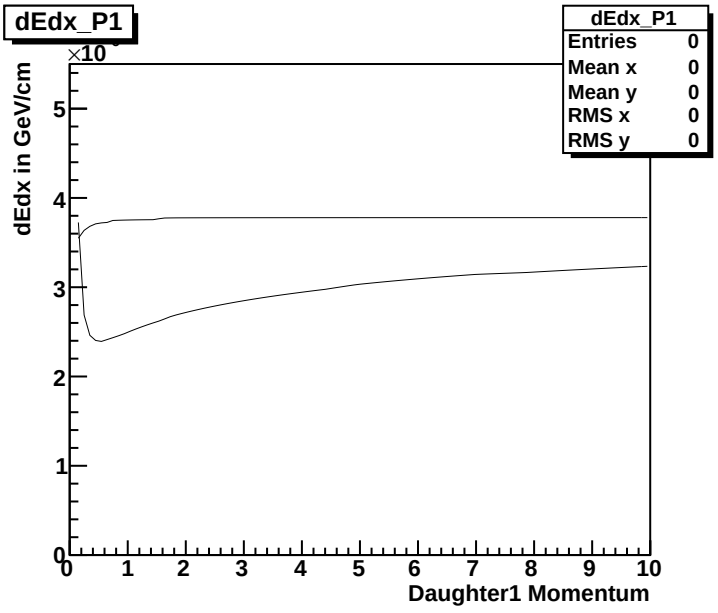


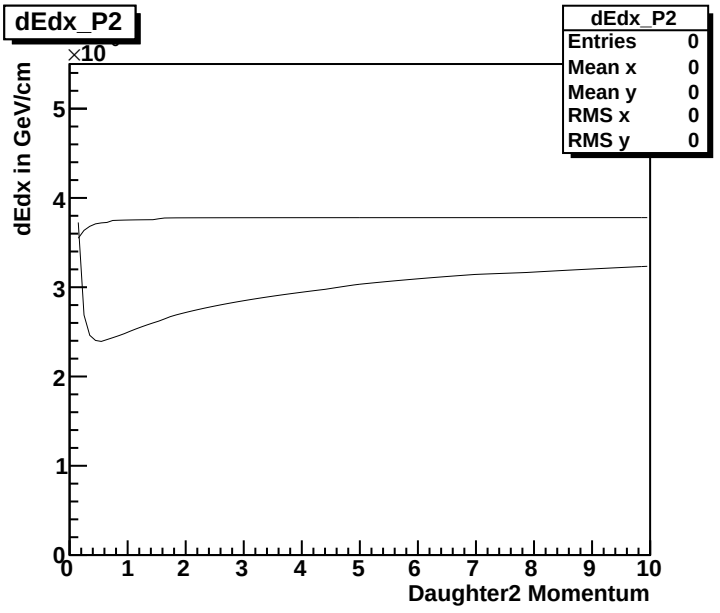


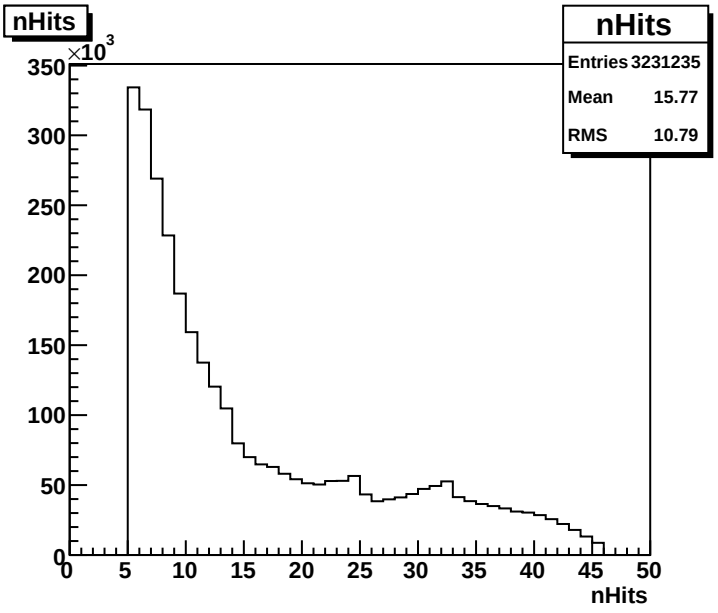


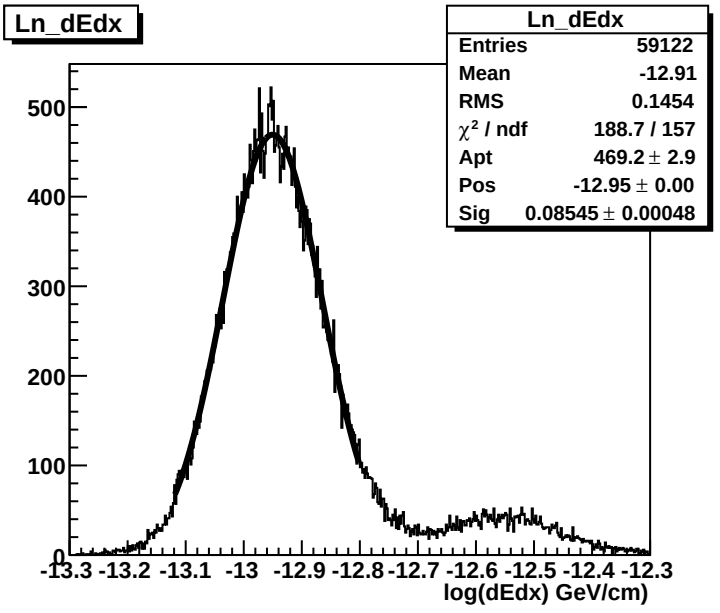

Glob_dEdx
Glob_dEdx
Entries 733876
Mean x 0.09625
Mean y 2.833e-06
RMS x 0.7901
RMS y 1.1e-06
dEdx in GeV/cm
Global Momentum

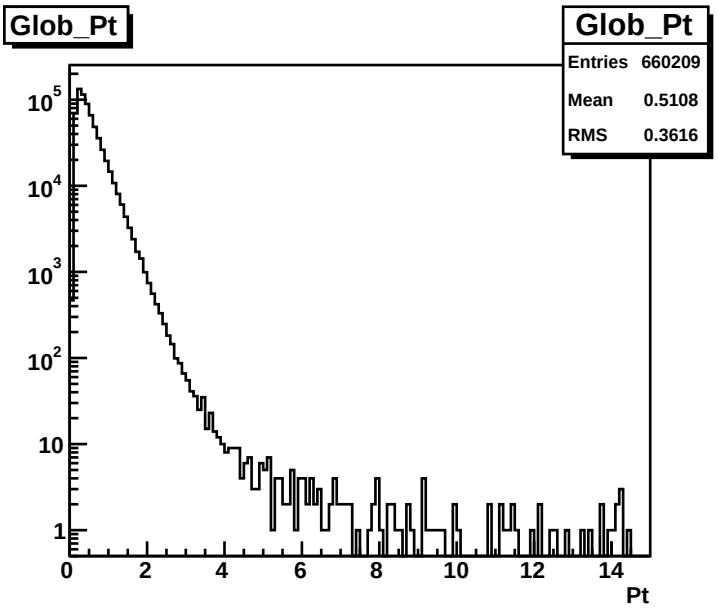

Prim_dEdx
Prim_dEdx
Entries 534893
Mean x 0.086
Mean y 2.693e-06
RMS x 0.8337
RMS y 7.886e-07
dEdx in GeV/cm
Primary Mommentum

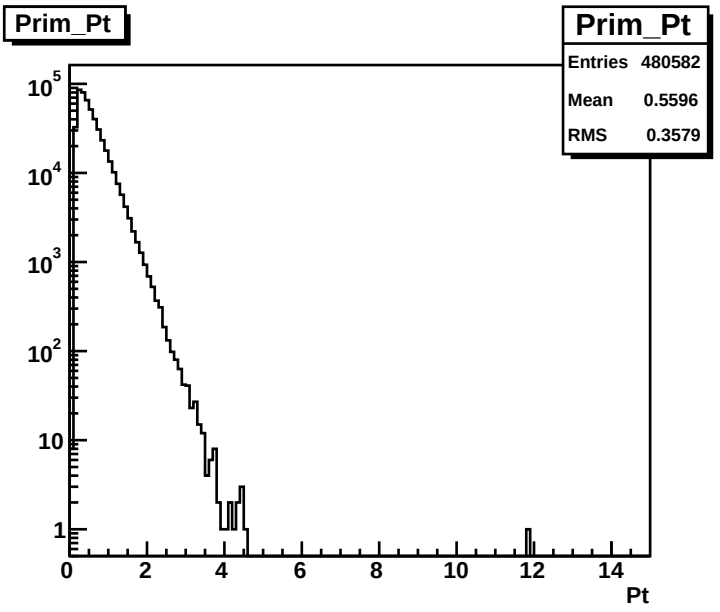

dEdx_P1
dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

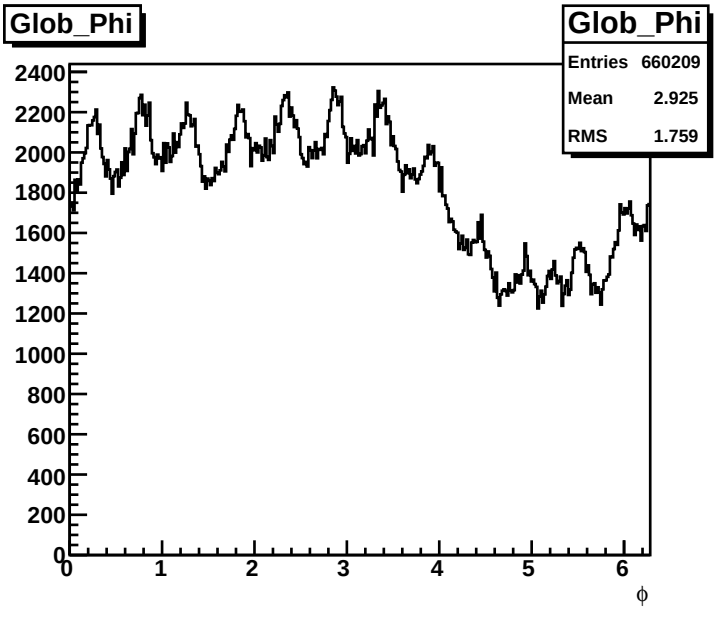

dEdx_P2
dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

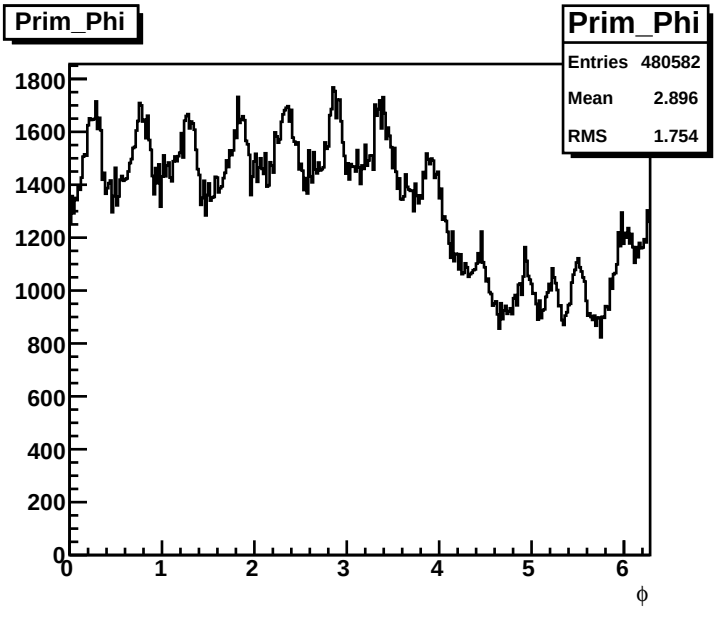

nHits
nHits
Entries 3231235
Mean 15.77
RMS 10.79
nHits

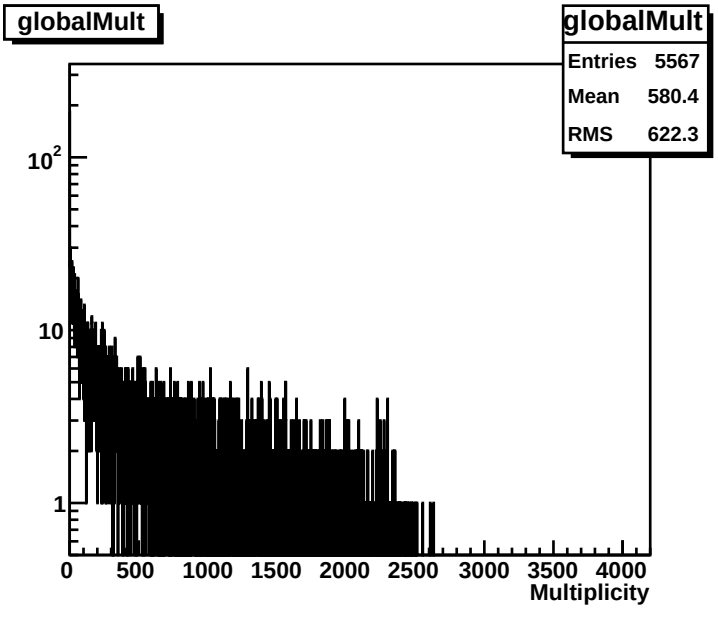

Ln_dEdx
Ln_dEdx
Entries 59122
Mean -12.91
RMS 0.1454
χ² / ndf 188.7 / 157
Apt 469.2 ± 2.9
Pos -12.95 ± 0.00
Sig 0.08545 ± 0.00048
log(dEdx) GeV/cm)

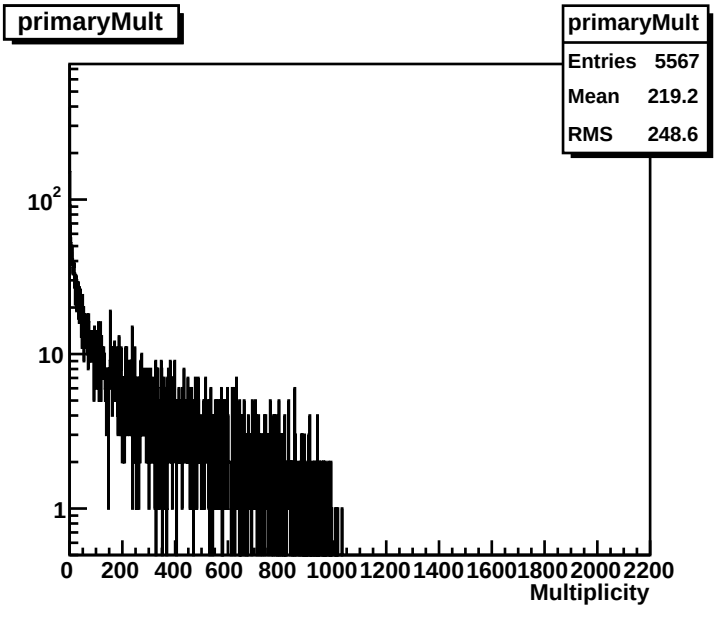

Glob_Pt
Glob_Pt
Entries 660209
Mean 0.5108
RMS 0.3616
Pt

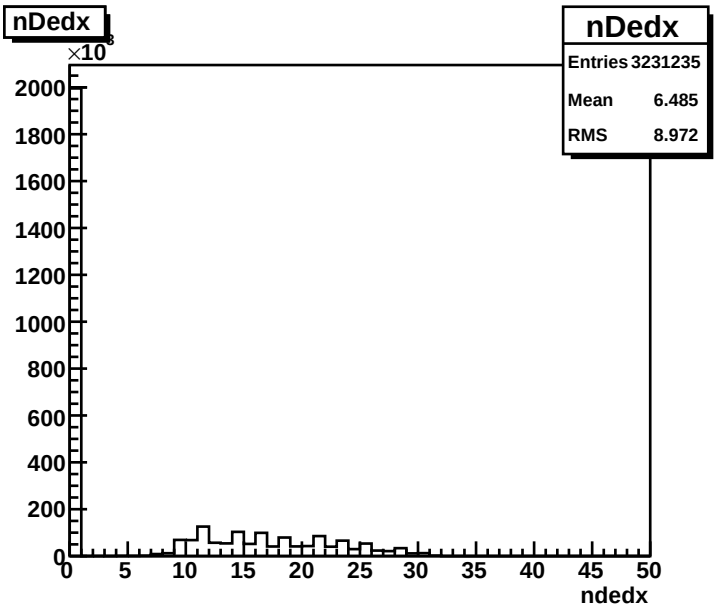

Prim_Pt
Prim_Pt
Entries 480582
Mean 0.5596
RMS 0.3579
Pt

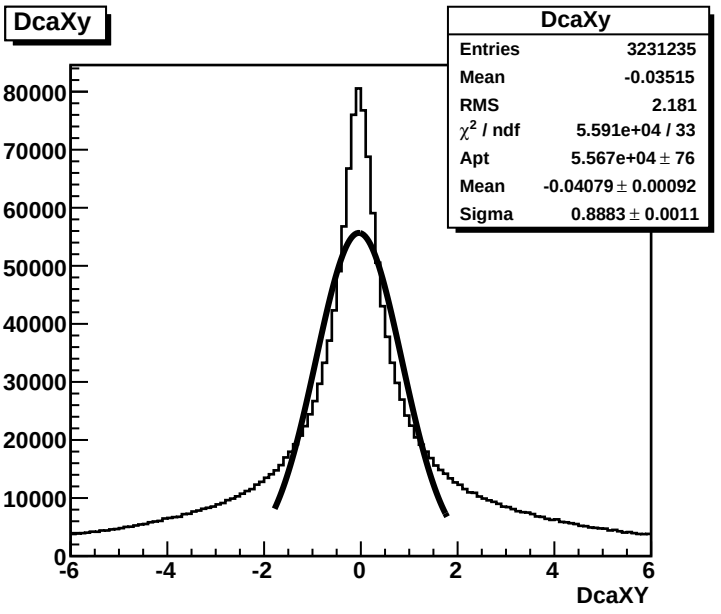

Glob_Phi
Glob_Phi
Entries 660209
Mean 2.925
RMS 1.759
ϕ

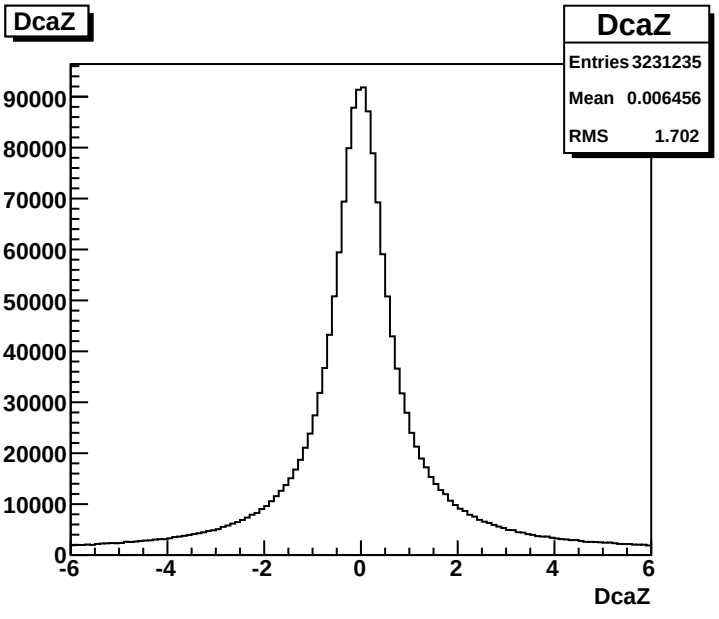

Prim_Phi
Prim_Phi
Entries 480582
Mean 2.896
RMS 1.754
ϕ

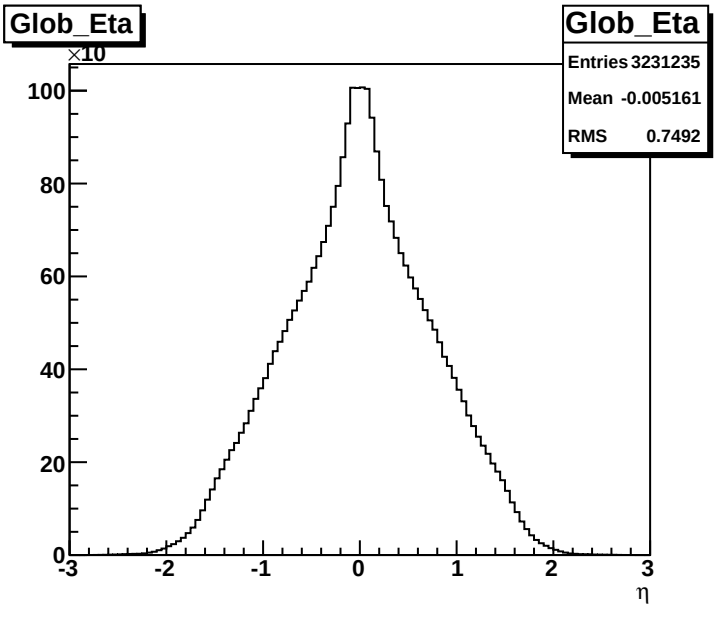

globalMult
globalMult
Entries 5567
Mean 580.4
RMS 622.3
Multiplicity

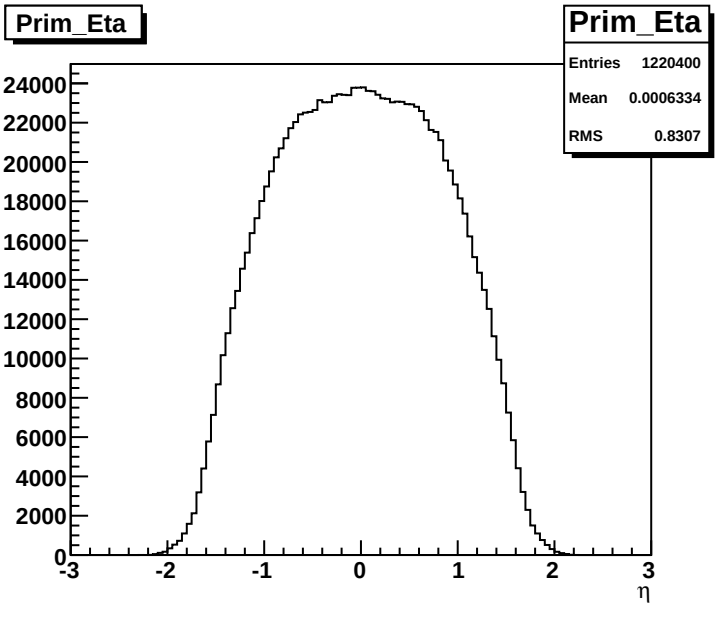

primaryMult
primaryMult
Entries 5567
Mean 219.2
RMS 248.6
Multiplicity

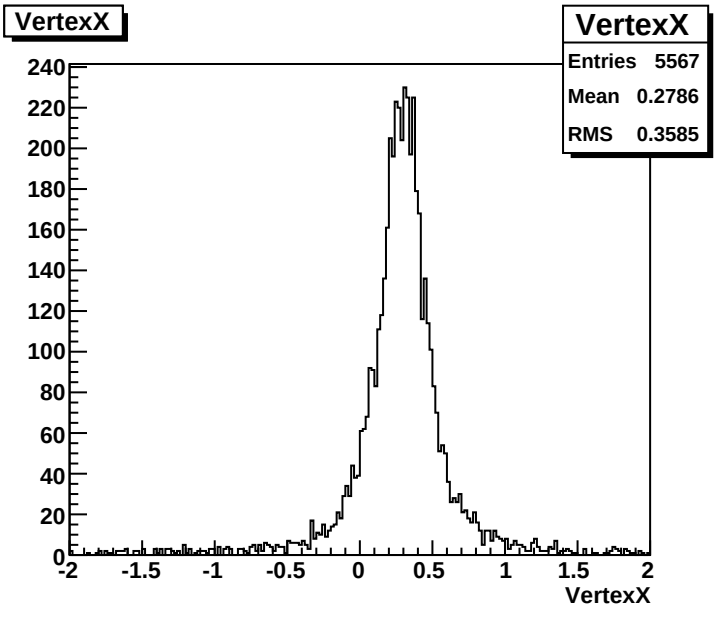

nDedx
nDedx
Entries 3231235
Mean 6.485
RMS 8.972
×10³
ndedx

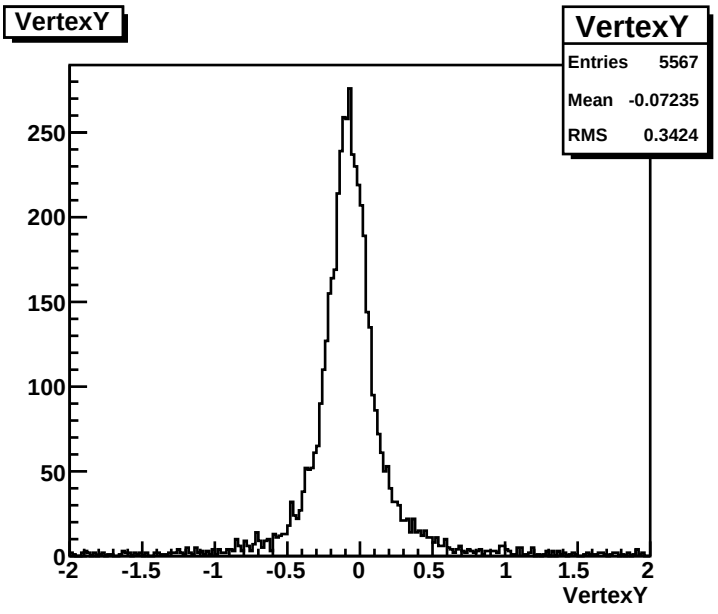

DcaXy
DcaXy
Entries 3231235
Mean -0.03515
RMS 2.181
χ² / ndf 5.591e+04 / 33
Apt 5.567e+04 ± 76
Mean -0.04079 ± 0.00092
Sigma 0.8883 ± 0.0011
DcaXY

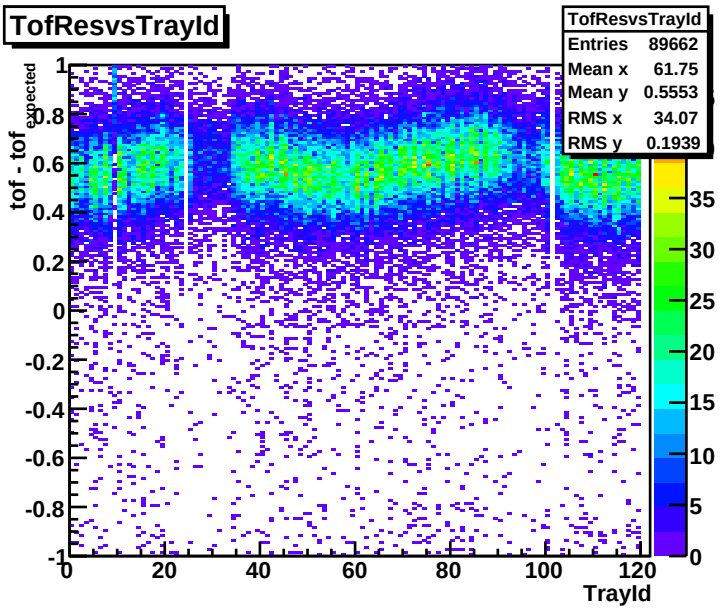

DcaZ
DcaZ
Entries 3231235
Mean 0.006456
RMS 1.702
DcaZ

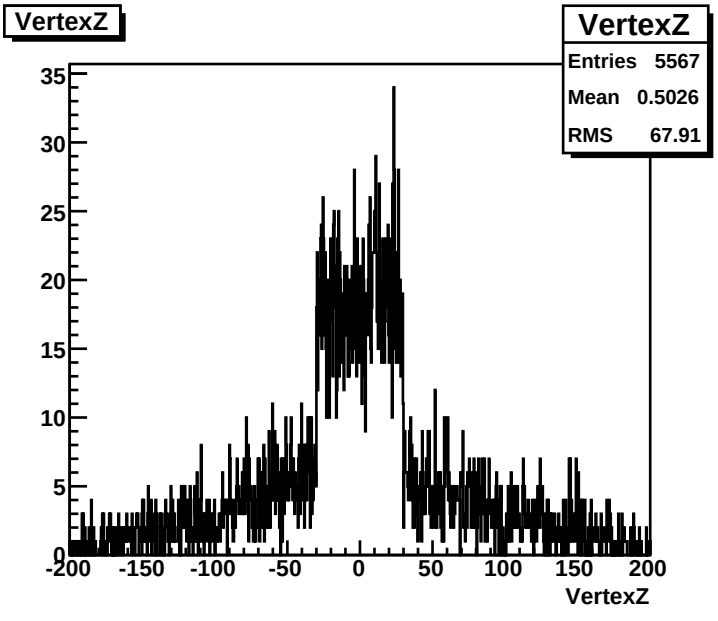

Glob_Eta
Glob_Eta
Entries 3231235
Mean -0.005161
RMS 0.7492
×10
η

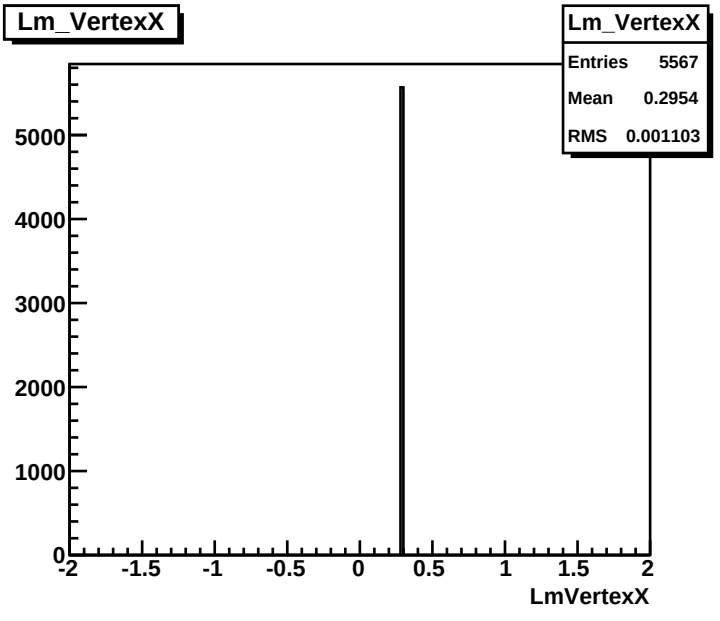

Prim_Eta
Prim_Eta
Entries 1220400
Mean 0.0006334
RMS 0.8307
η

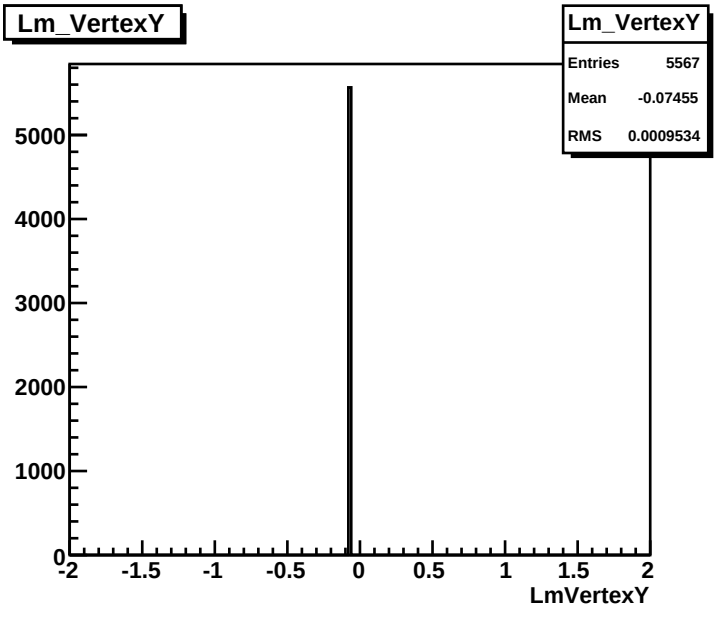

VertexX
VertexX
Entries 5567
Mean 0.2786
RMS 0.3585
VertexX

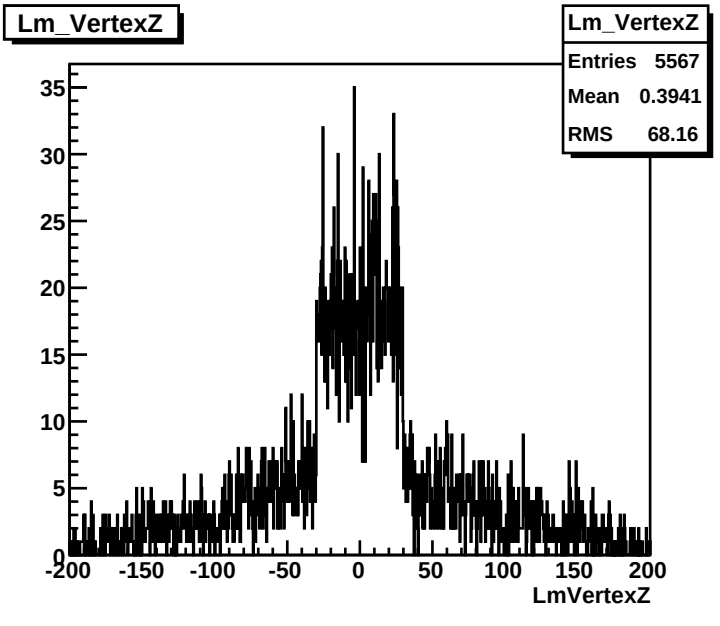

VertexY
VertexY
Entries 5567
Mean -0.07235
RMS 0.3424
VertexY

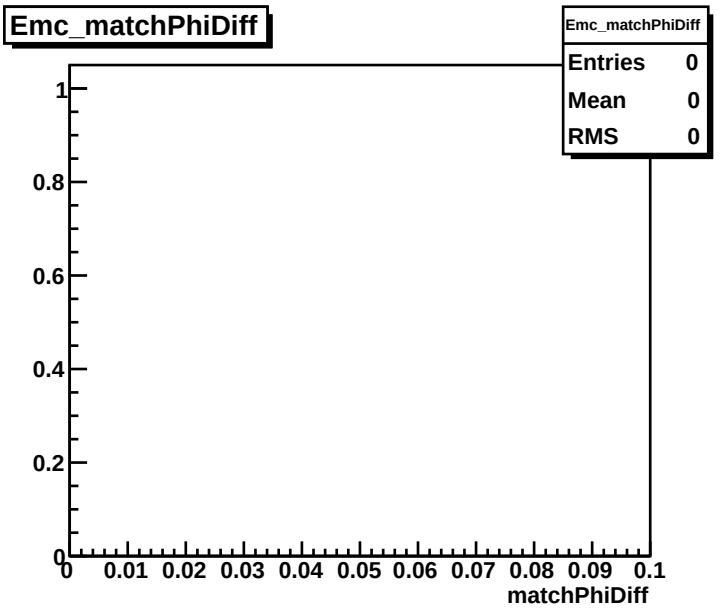

TofResvsTrayId
TofResvsTrayId
Entries 89662
Mean x 61.75
Mean y 0.5553
RMS x 34.07
RMS y 0.1939
tof - tof expected
TrayId

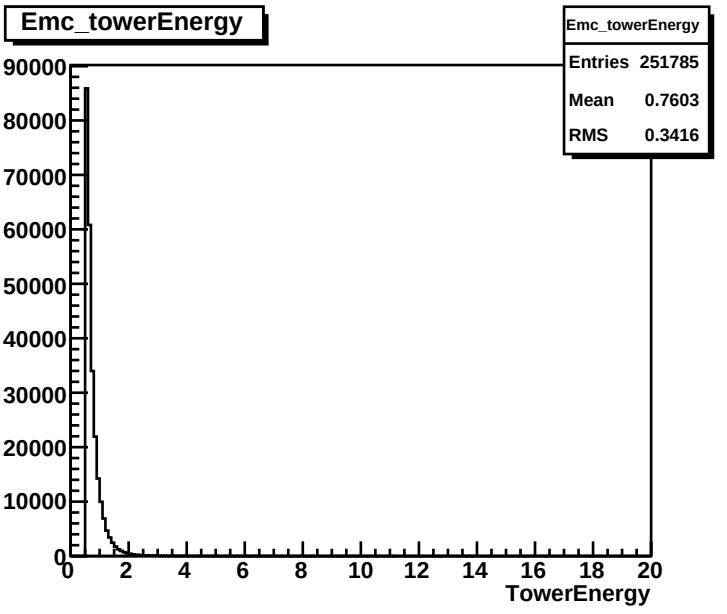

VertexZ
VertexZ
Entries 5567
Mean 0.5026
RMS 67.91
VertexZ

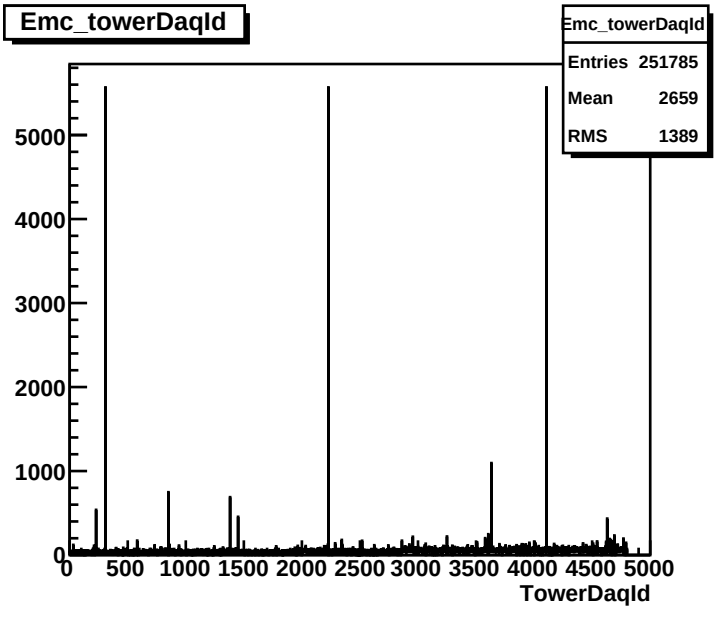

Lm_VertexX
Lm_VertexX
Entries 5567
Mean 0.2954
RMS 0.001103
LmVertexX

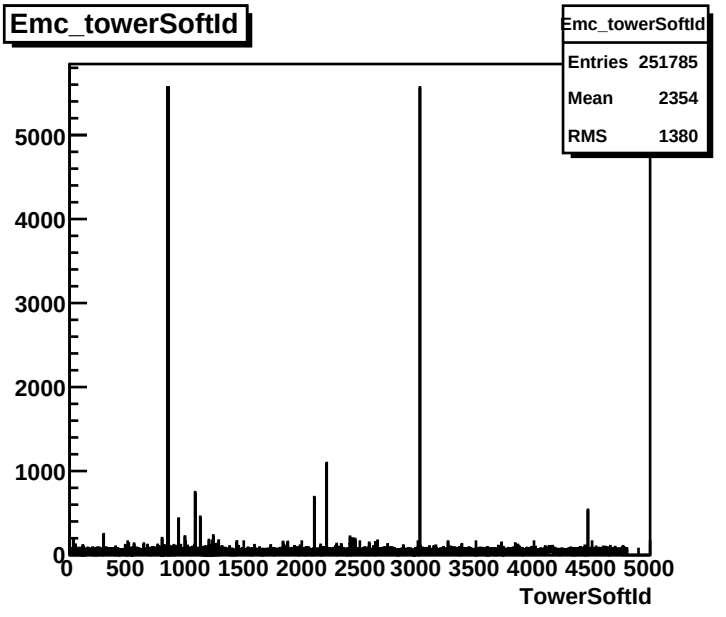

Lm_VertexY
Lm_VertexY
Entries 5567
Mean -0.07455
RMS 0.0009534
LmVertexY

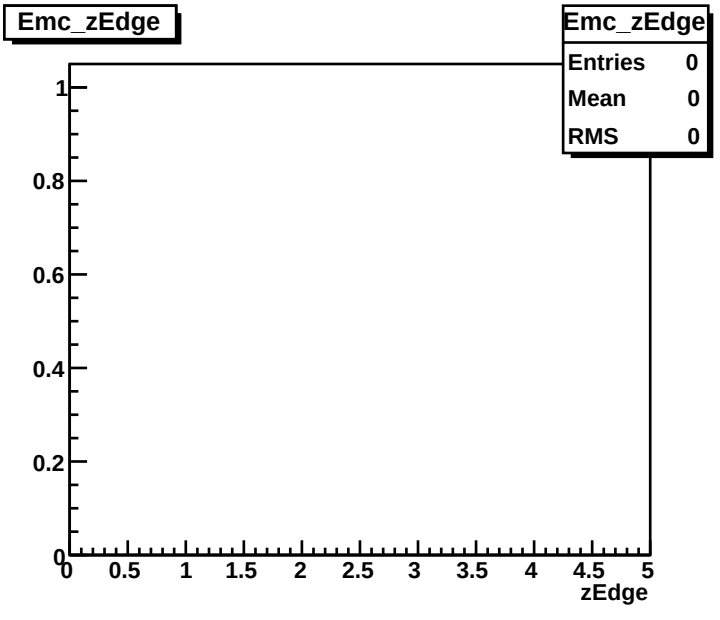

Lm_VertexZ
Lm_VertexZ
Entries 5567
Mean 0.3941
RMS 68.16
LmVertexZ

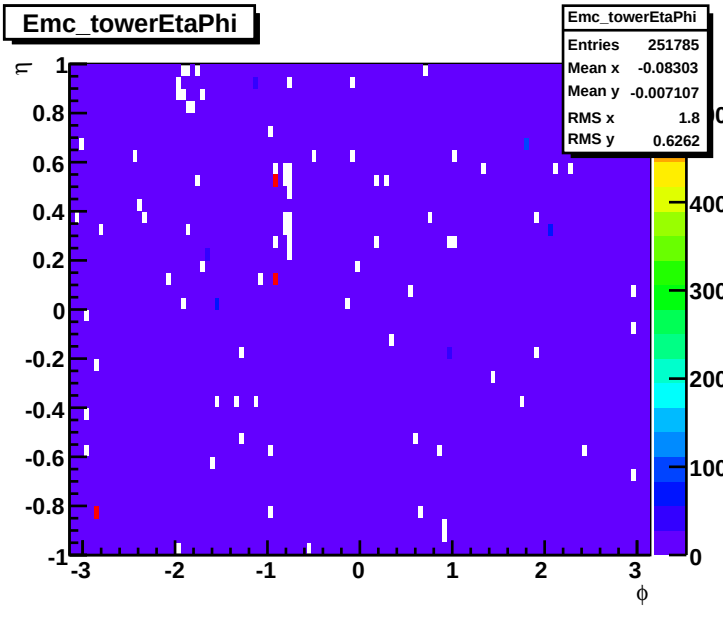

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

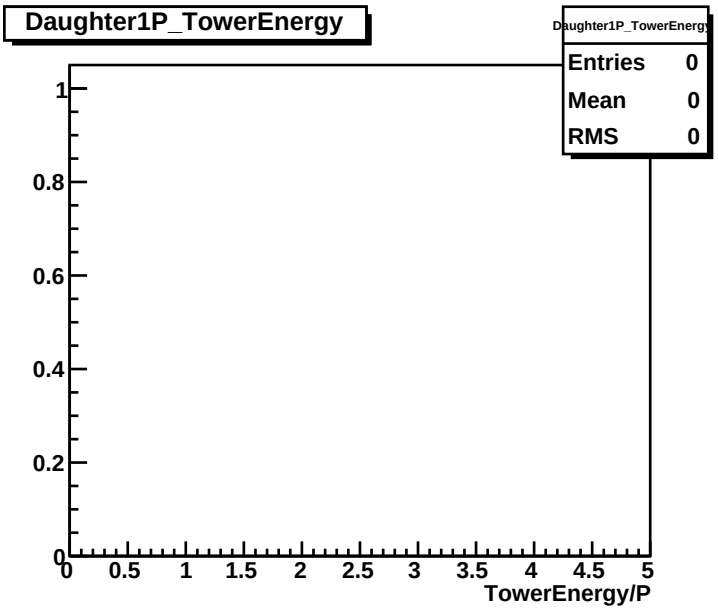

Emc_towerEnergy
Emc_towerEnergy
Entries 251785
Mean 0.7603
RMS 0.3416
TowerEnergy

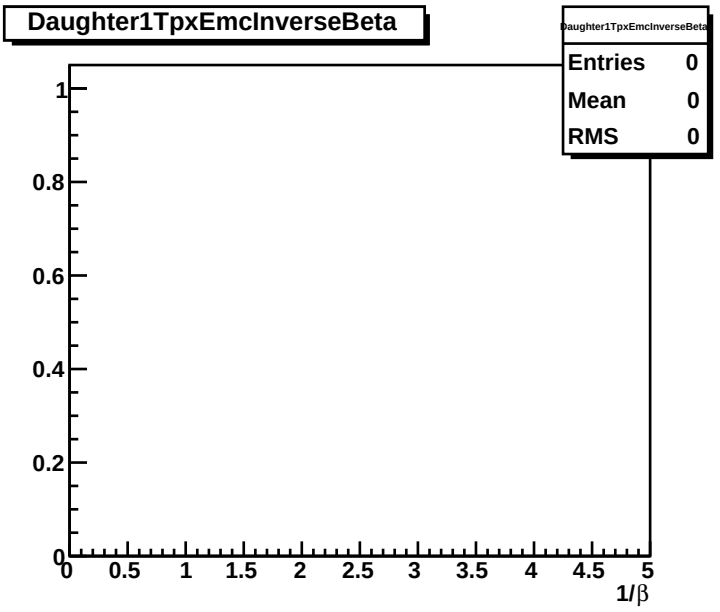

Emc_towerDaqId
Emc_towerDaqId
Entries 251785
Mean 2659
RMS 1389
TowerDaqId

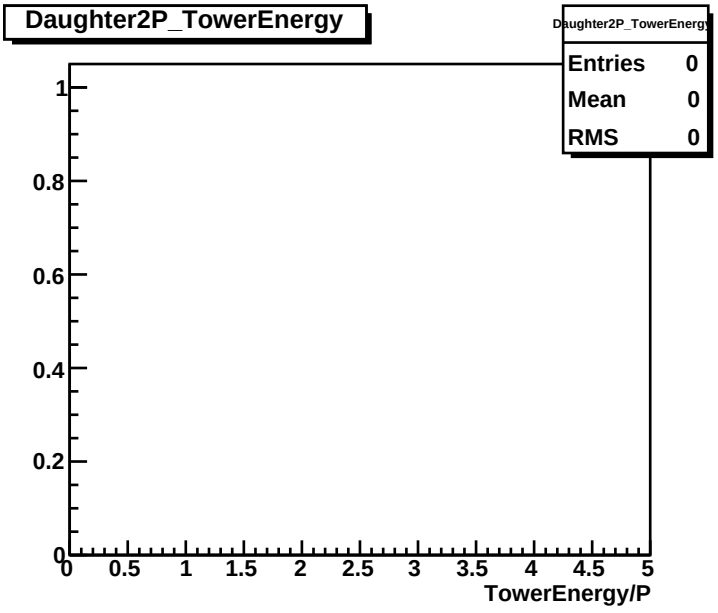

Emc_towerSoftId
Emc_towerSoftId
Entries 251785
Mean 2354
RMS 1380
TowerSoftId

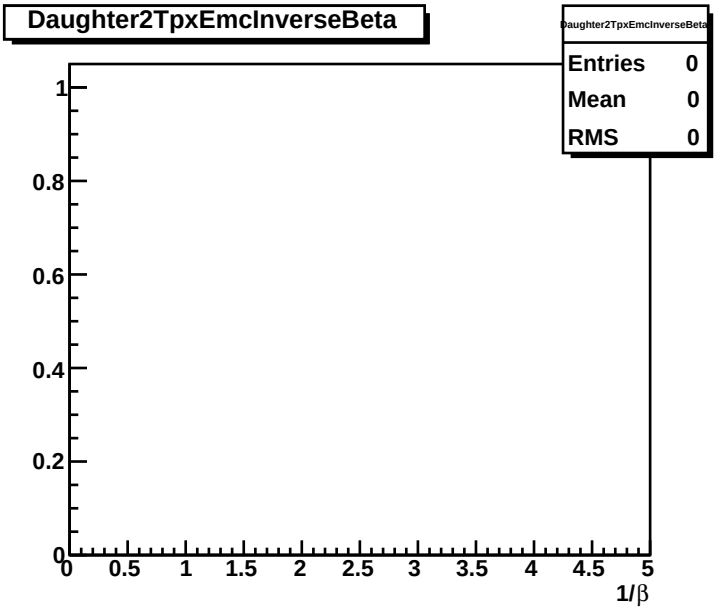

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

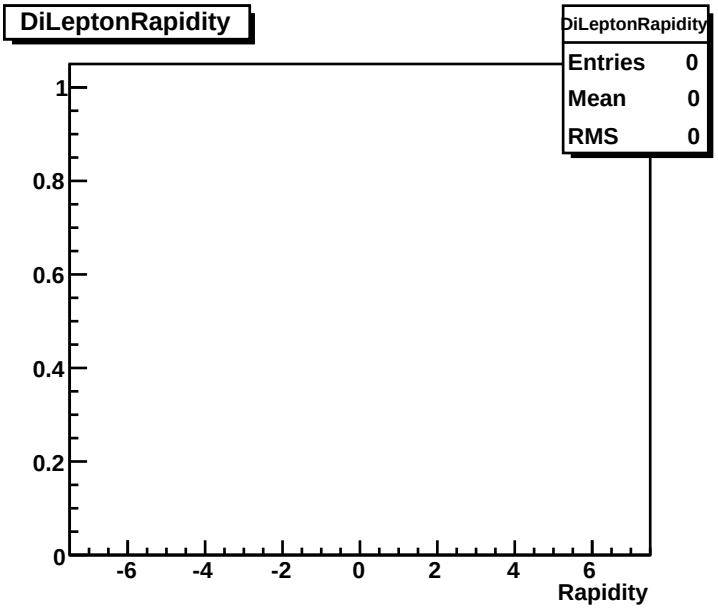

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 251785
Mean x -0.08303
Mean y -0.007107
RMS x 1.8
RMS y 0.6262
η
ϕ

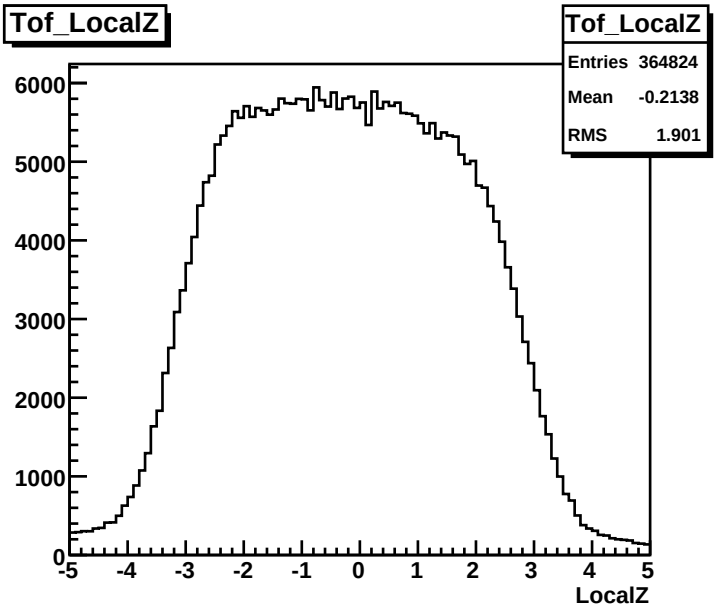

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

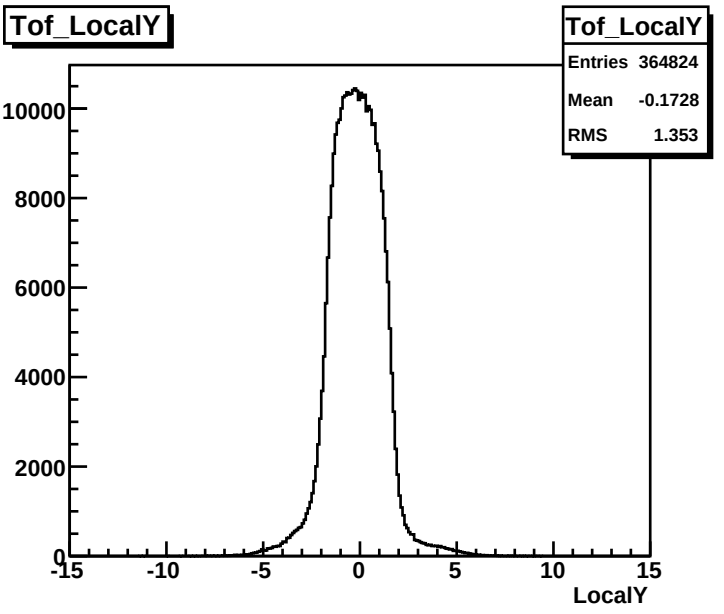

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

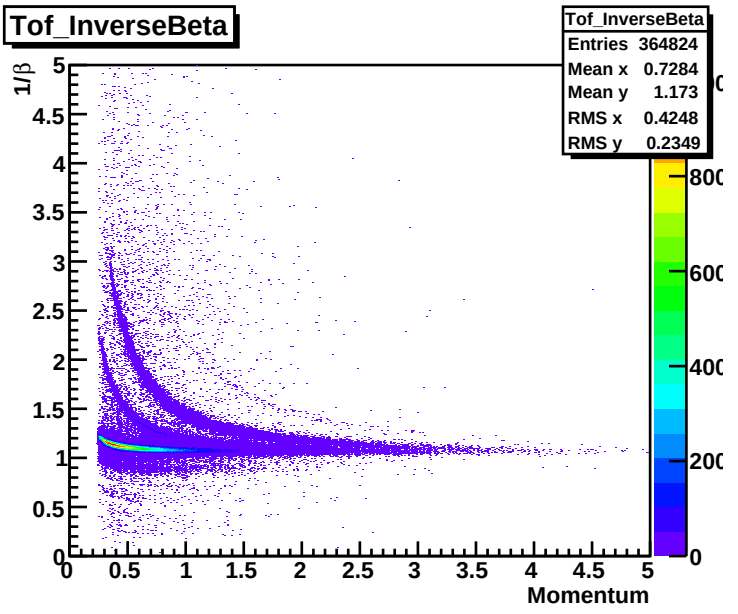

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

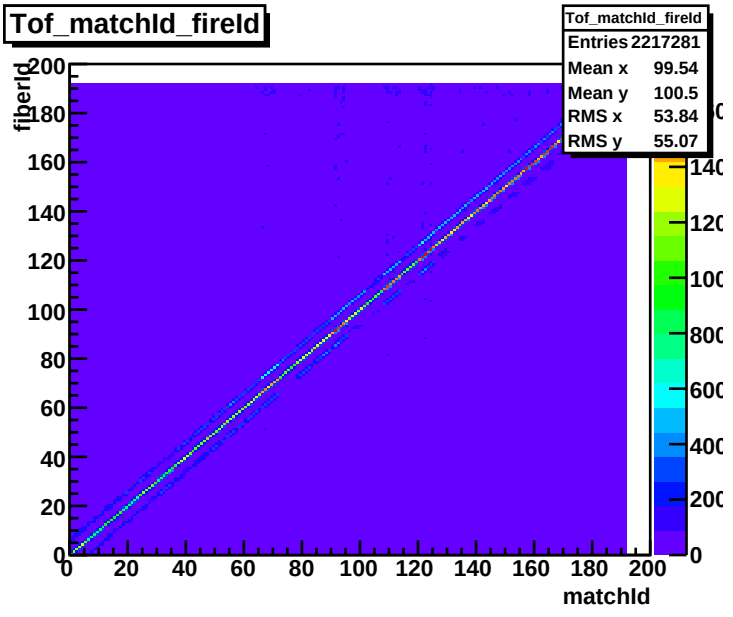

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

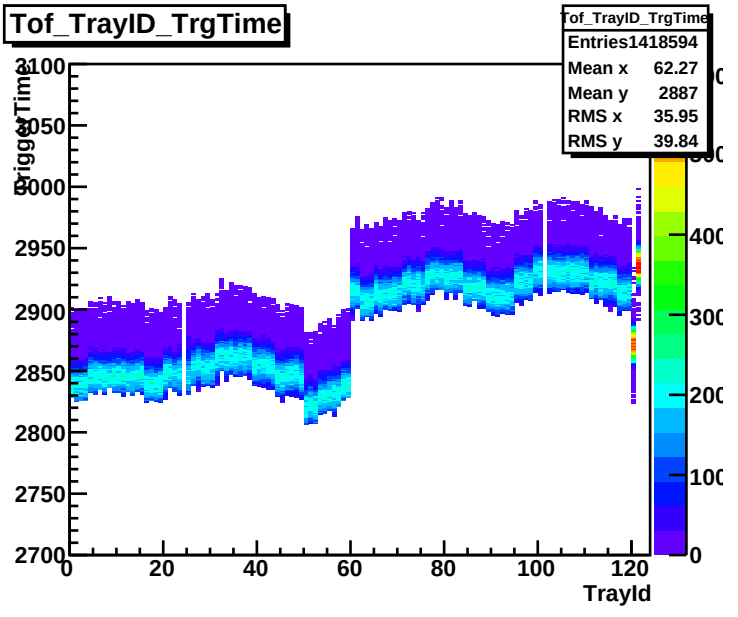

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

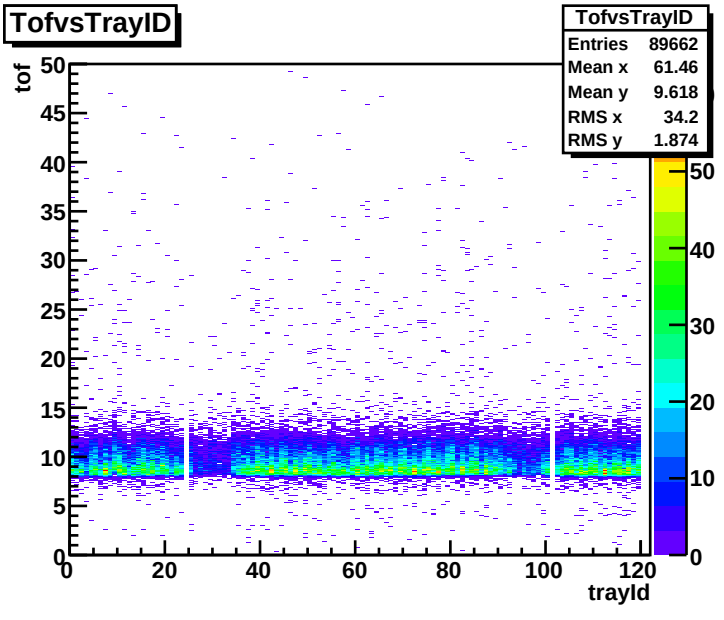

Tof_LocalZ
Tof_LocalZ
Entries 364824
Mean -0.2138
RMS 1.901
LocalZ

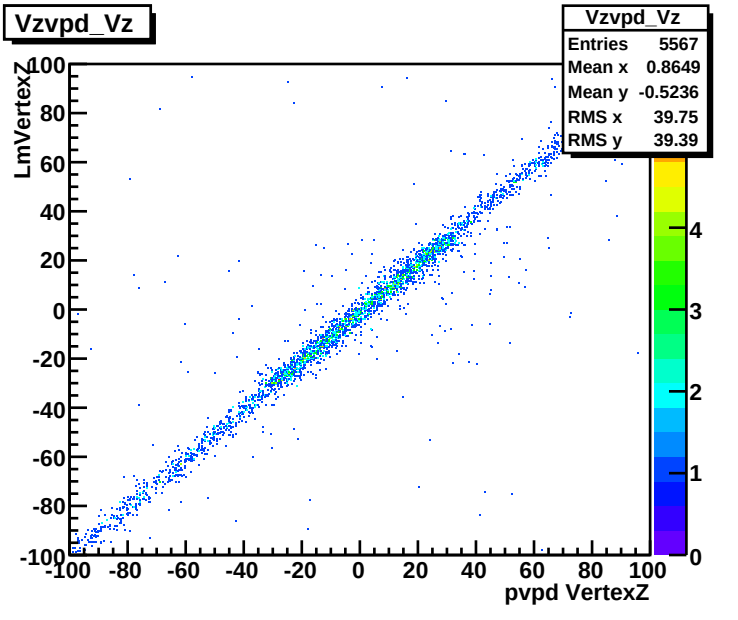

Tof_LocalY
Tof_LocalY
Entries 364824
Mean -0.1728
RMS 1.353
LocalY

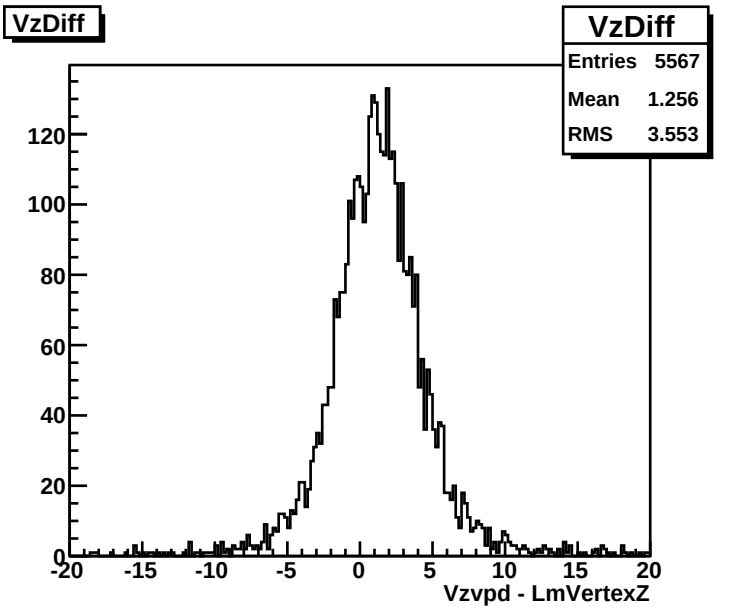

Tof_InverseBeta
Tof_InverseBeta
Entries 364824
Mean x 0.7284
Mean y 1.173
RMS x 0.4248
RMS y 0.2349
1/β
Momentum

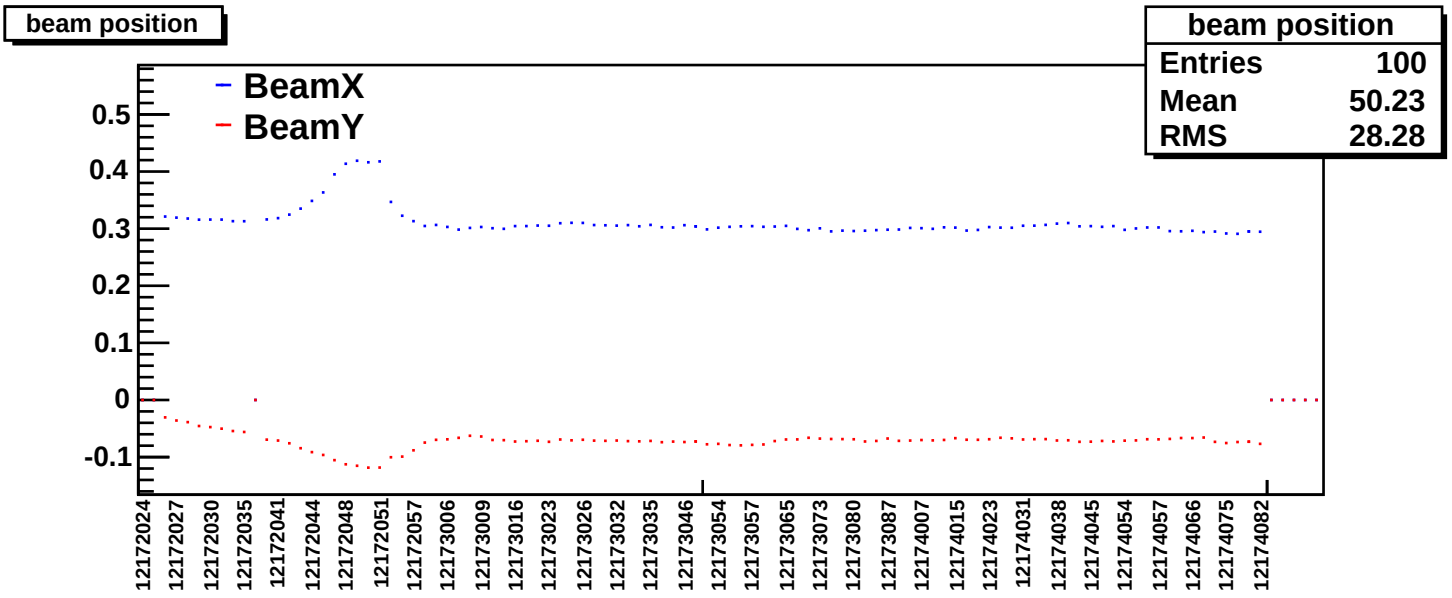

Tof_matchId_fireId
Tof_matchId_fireId
Entries 2217281
Mean x 99.54
Mean y 100.5
RMS x 53.84
RMS y 55.07
fiberId
matchId

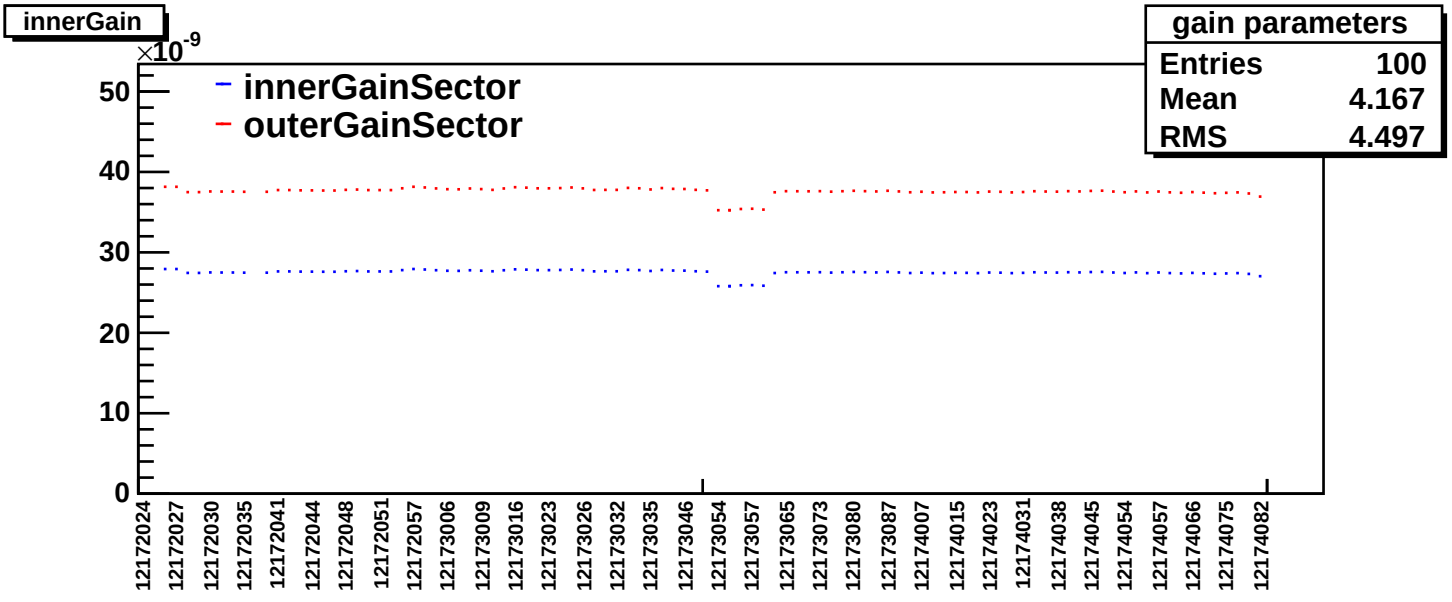

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 1418594
Mean x 62.27
Mean y 2887
RMS x 35.95
RMS y 39.84
TrayId

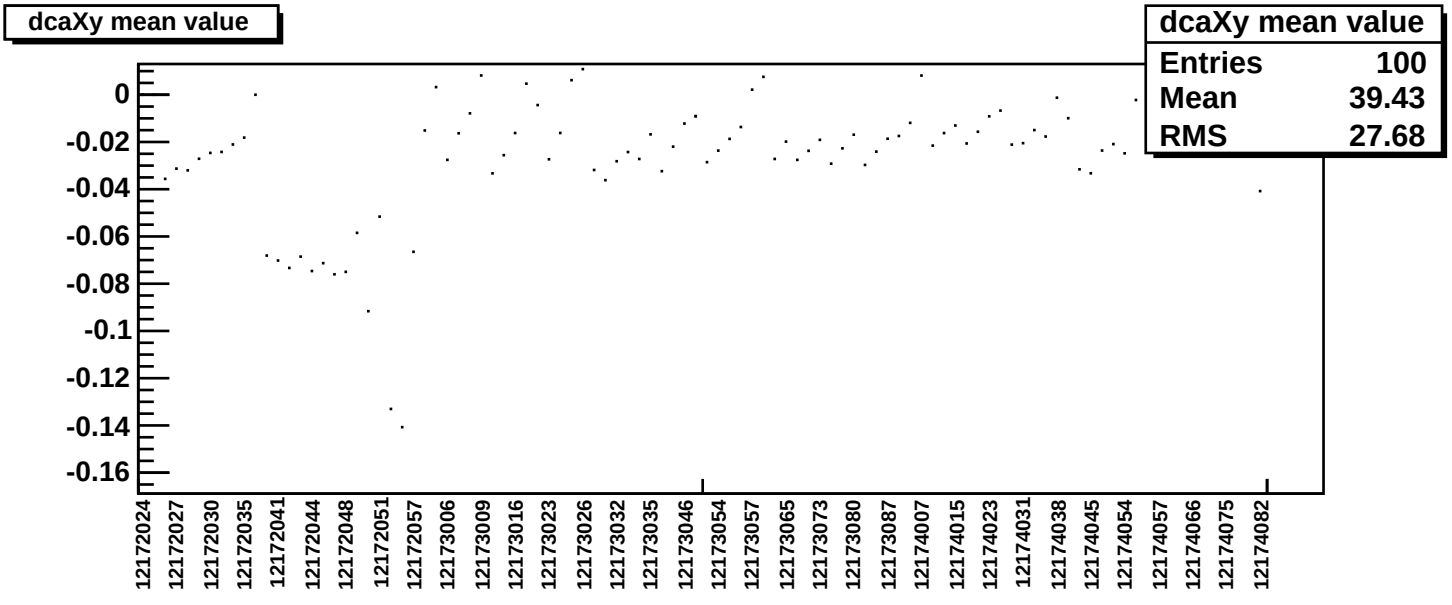

TofvsTrayID
TofvsTrayID
Entries 89662
Mean x 61.46
Mean y 9.618
RMS x 34.2
RMS y 1.874
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 5567
Mean x 0.8649
Mean y -0.5236
RMS x 39.75
RMS y 39.39
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 5567
Mean 1.256
RMS 3.553
120
100
80
60
40
20
0
-20
-15
-10
-5
0
5
10
15
20
Vzvpd - LmVertexZ


beam position
BeamX
BeamY
beam position
Entries 100
Mean 50.23
RMS 28.28
0.5
0.4
0.3
0.2
0.1
0
-0.1
12172024 12172027 12172030 12172035 12172041 12172044 12172048 12172051 12172057 12173006 12173009 12173016 12173023 12173026 12173032 12173035 12173046 12173054 12173057 12173065 12173073 12173080 12173087 12174007 12174015 12174023 12174031 12174038 12174045 12174054 12174057 12174066 12174075 12174082


innerGain
×10^-9
innerGainSector
outerGainSector
gain parameters
Entries 100
Mean 4.167
RMS 4.497
50
40
30
20
10
0
12172024 12172027 12172030 12172035 12172041 12172044 12172048 12172051 12172057 12173006 12173009 12173016 12173023 12173026 12173032 12173035 12173046 12173054 12173057 12173065 12173073 12173080 12173087 12174007 12174015 12174023 12174031 12174038 12174045 12174054 12174057 12174066 12174075 12174082


dcaXy mean value
dcaXy mean value
Entries 100
Mean 39.43
RMS 27.68
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
12172024 12172027 12172030 12172035 12172041 12172044 12172048 12172051 12172057 12173006 12173009 12173016 12173023 12173026 12173032 12173035 12173046 12173054 12173057 12173065 12173073 12173080 12173087 12174007 12174015 12174023 12174031 12174038 12174045 12174054 12174057 12174066 12174075 12174082