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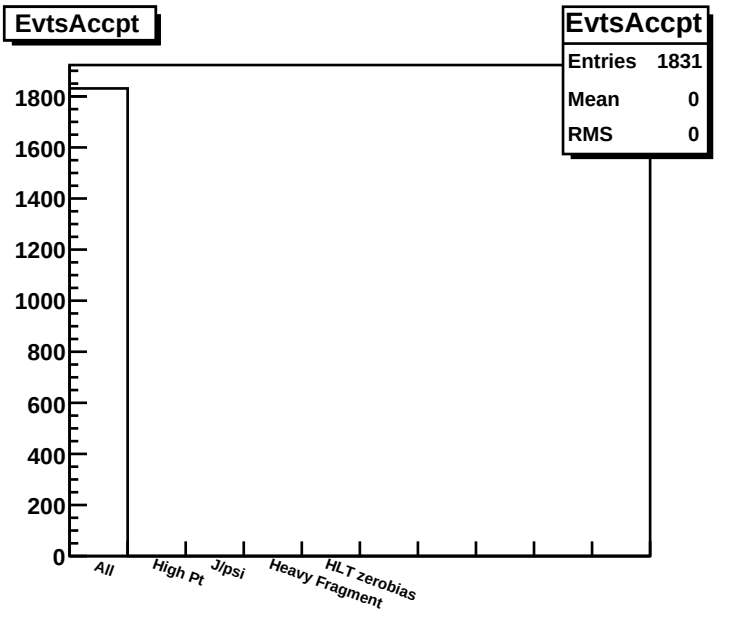
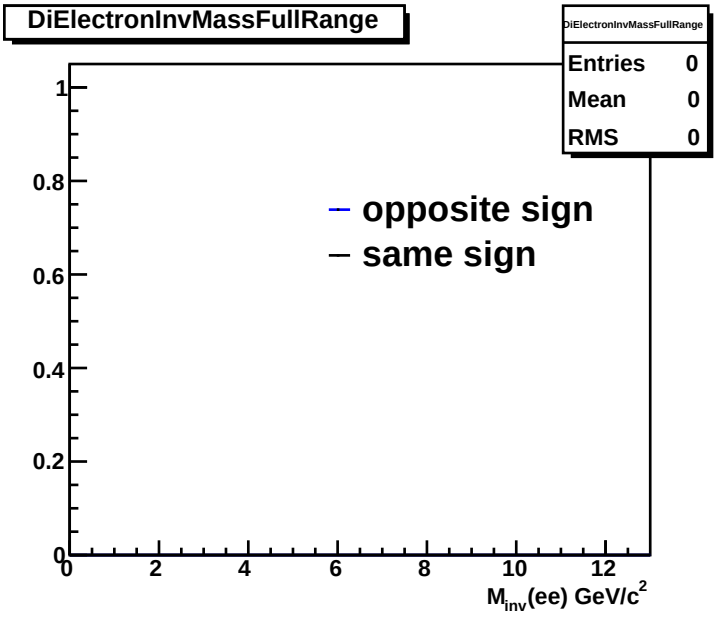
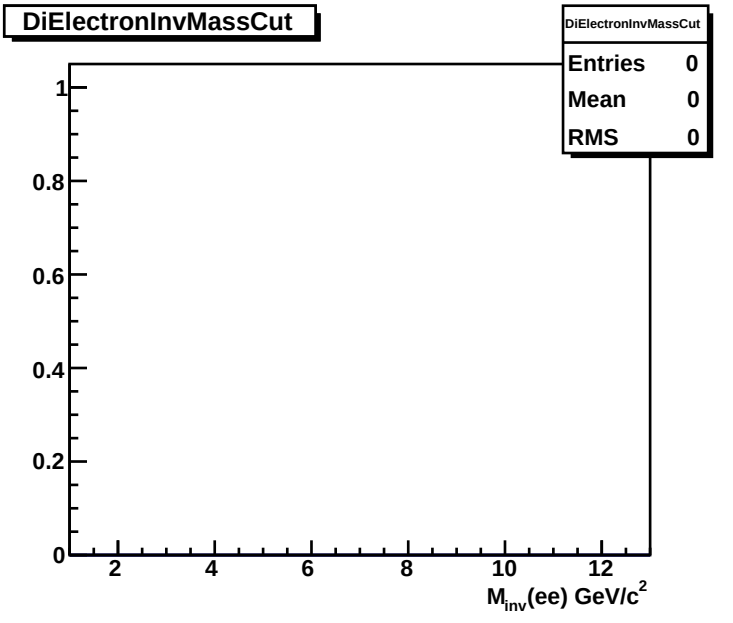
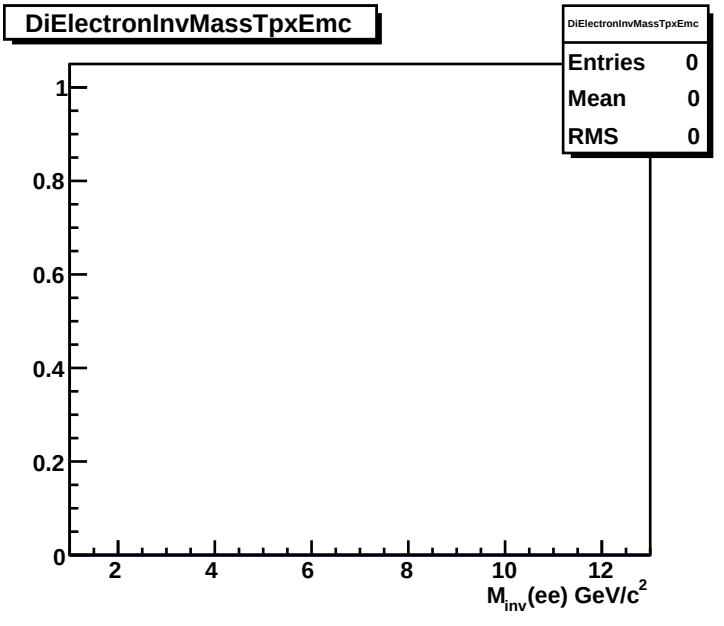
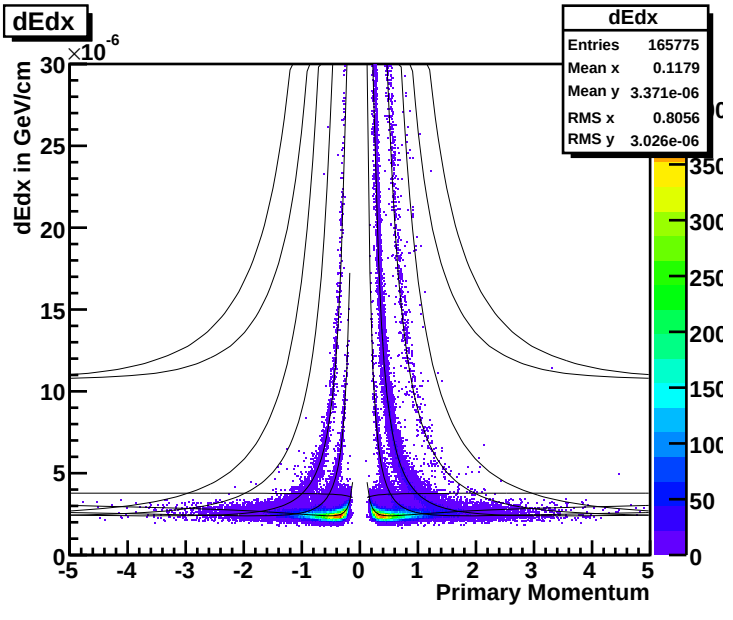
Tue Jun 28 05:17:55 2011

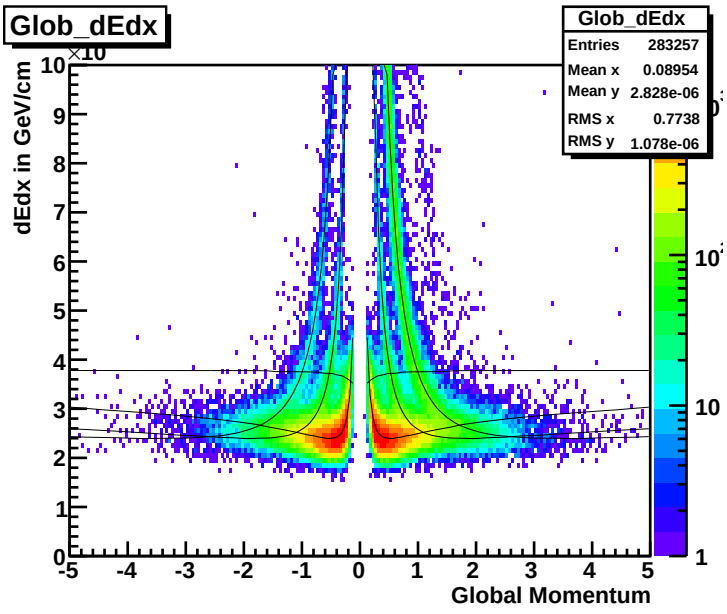


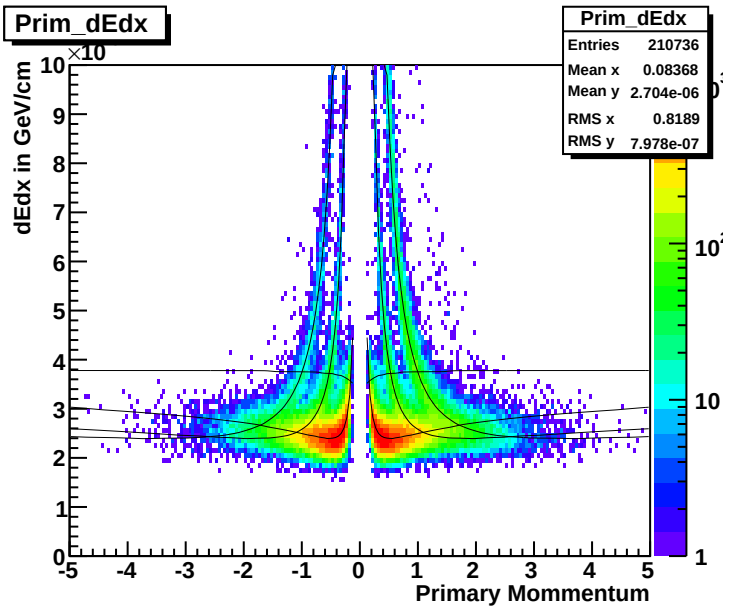


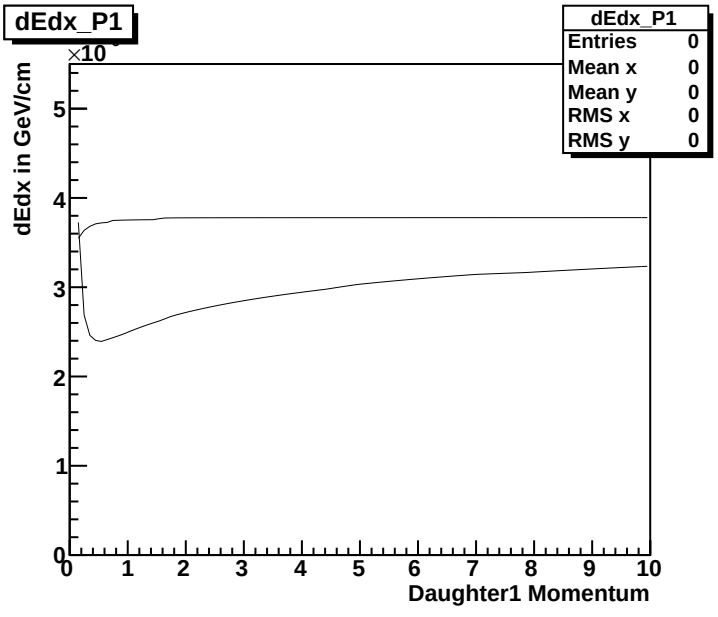


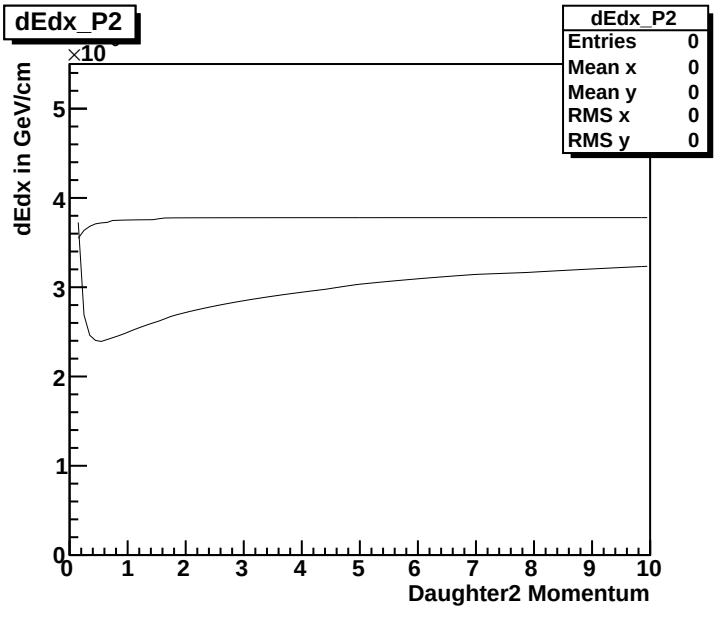


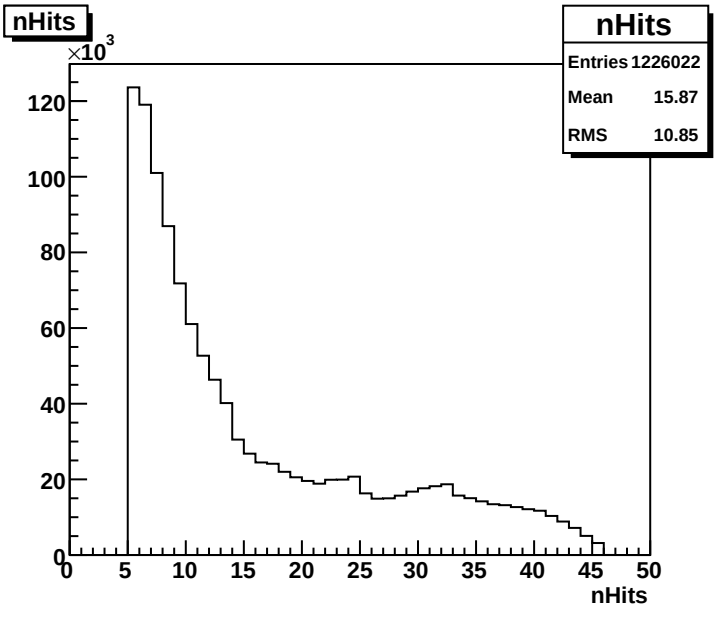


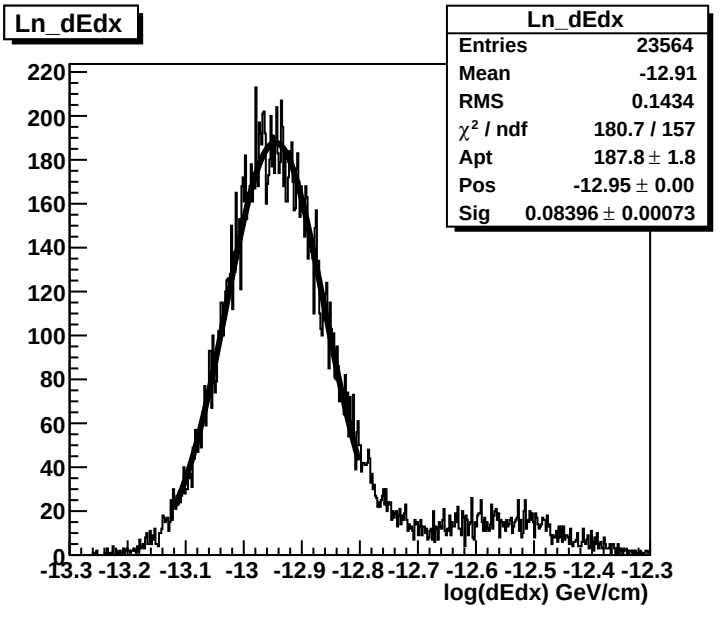

Glob_dEdx
Entries 283257
Mean x 0.08954
Mean y 2.828e-06
RMS x 0.7738
RMS y 1.078e-06
dEdx in GeV/cm
Global Momentum

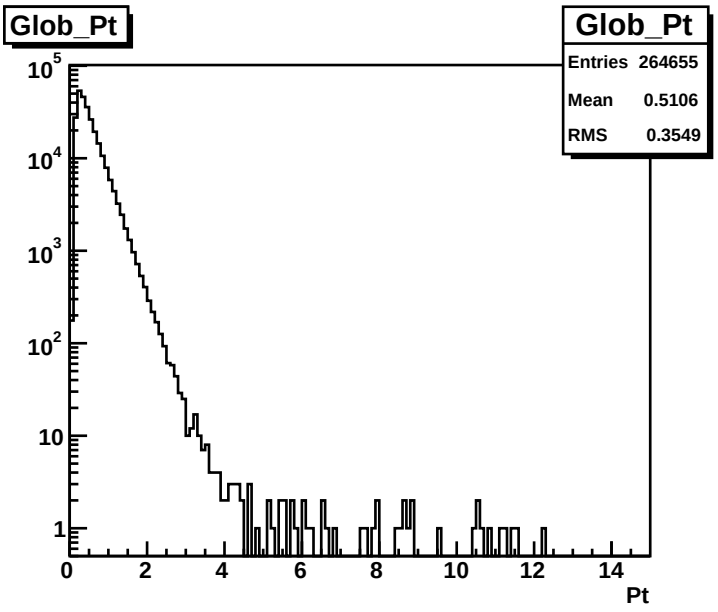

Prim_dEdx
Entries 210736
Mean x 0.08368
Mean y 2.704e-06
RMS x 0.8189
RMS y 7.978e-07
dEdx in GeV/cm
Primary Mommentum

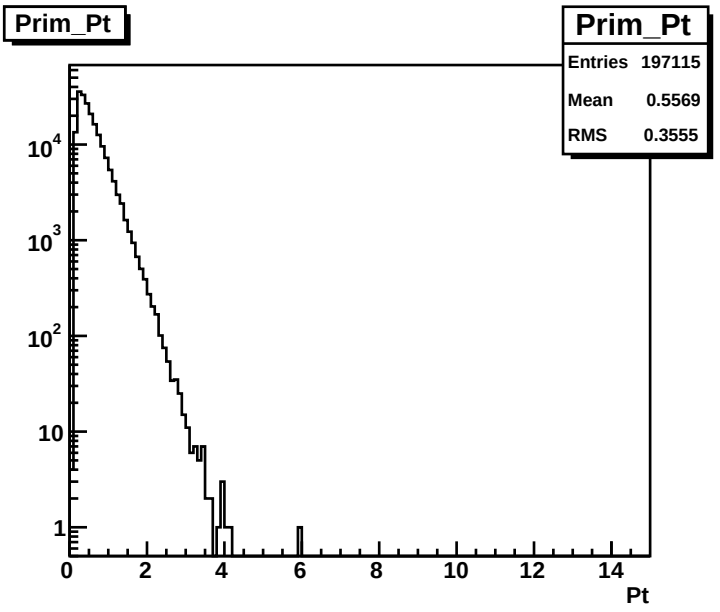

dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

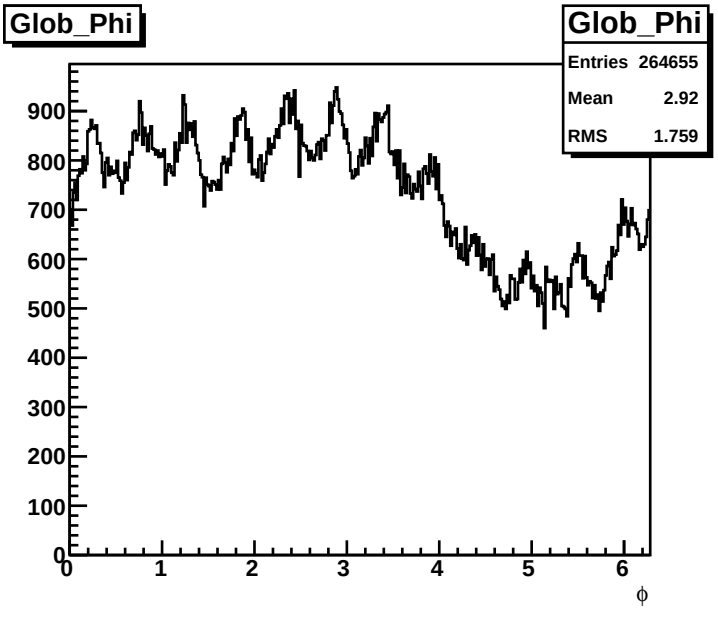

dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

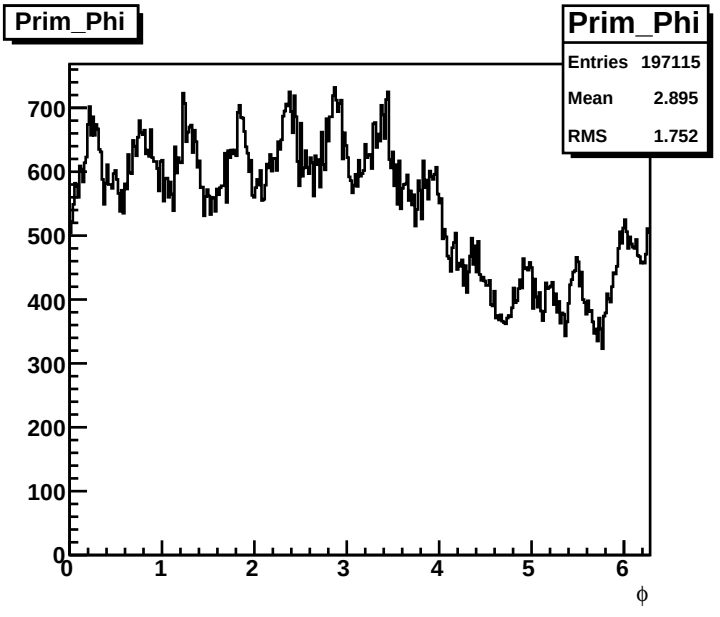

nHits
Entries 1226022
Mean 15.87
RMS 10.85
nHits

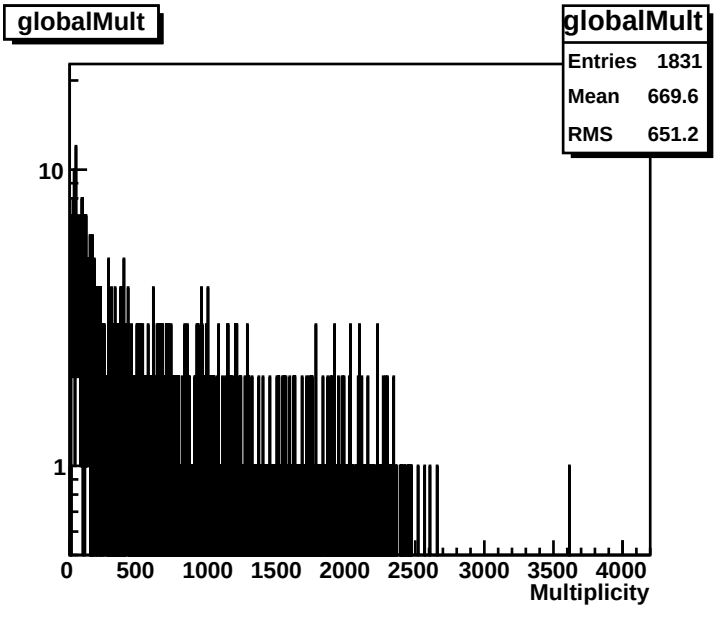

Ln_dEdx
Entries 23564
Mean -12.91
RMS 0.1434
χ² / ndf 180.7 / 157
Apt 187.8 ± 1.8
Pos -12.95 ± 0.00
Sig 0.08396 ± 0.00073
log(dEdx) GeV/cm)

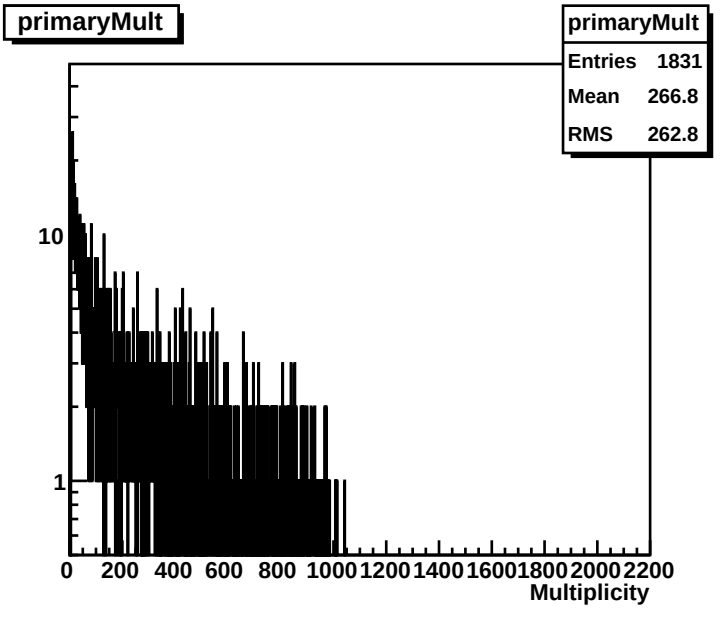

Glob_Pt
Glob_Pt
Entries 264655
Mean 0.5106
RMS 0.3549
Pt

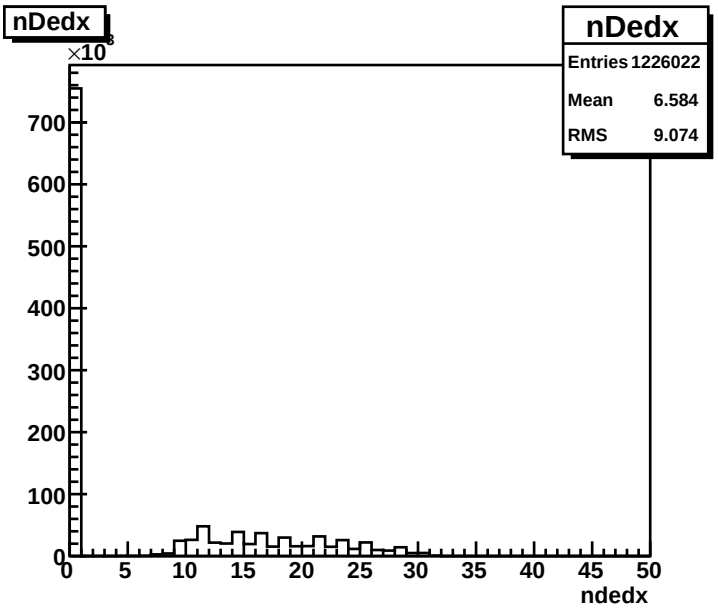

Prim_Pt
Prim_Pt
Entries 197115
Mean 0.5569
RMS 0.3555
Pt

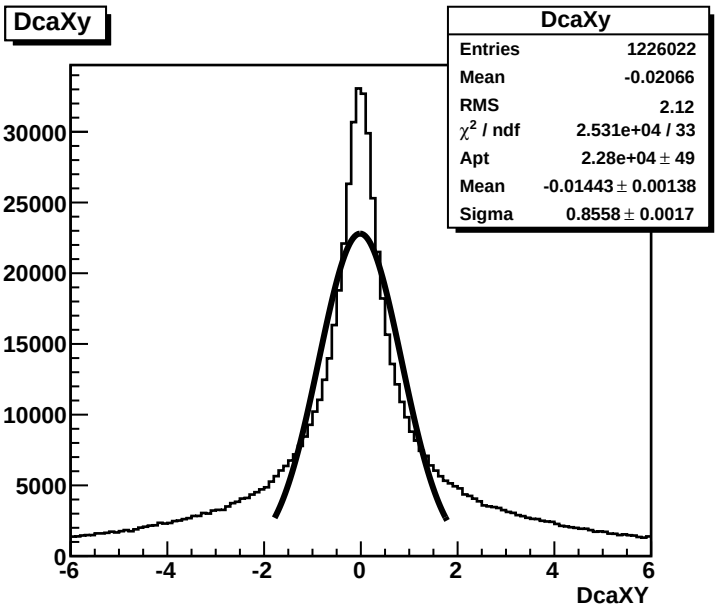

Glob_Phi
Glob_Phi
Entries 264655
Mean 2.92
RMS 1.759
ϕ

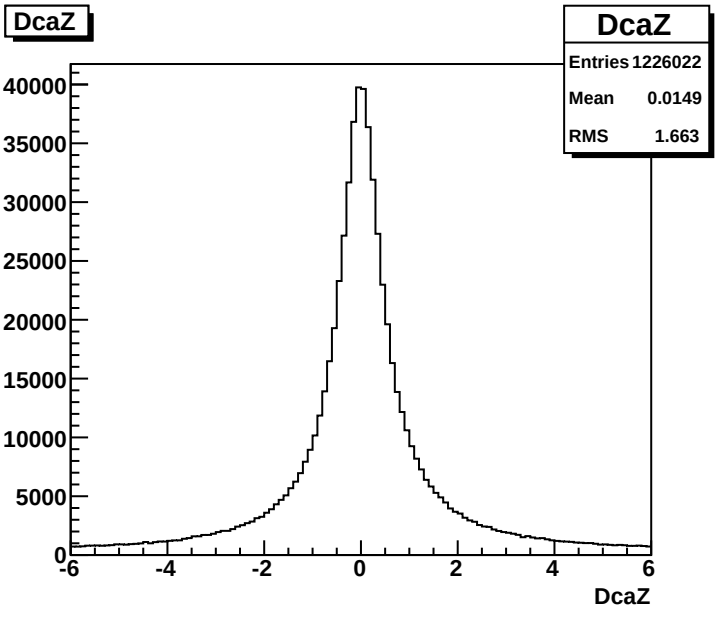

Prim_Phi
Prim_Phi
Entries 197115
Mean 2.895
RMS 1.752
ϕ

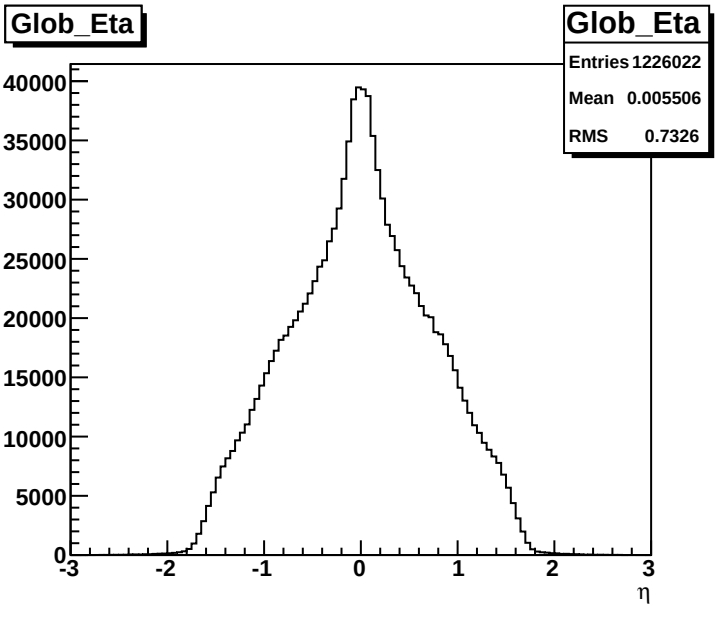

globalMult
globalMult
Entries 1831
Mean 669.6
RMS 651.2
Multiplicity

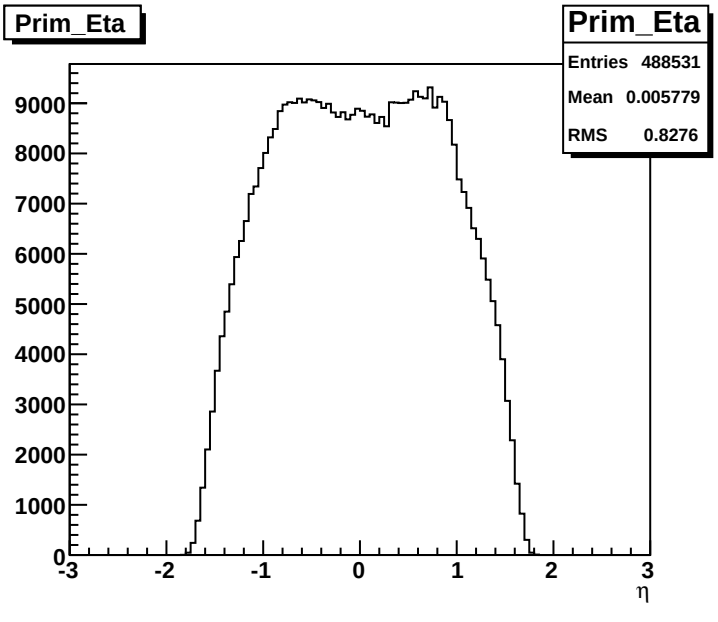

primaryMult
primaryMult
Entries 1831
Mean 266.8
RMS 262.8
Multiplicity

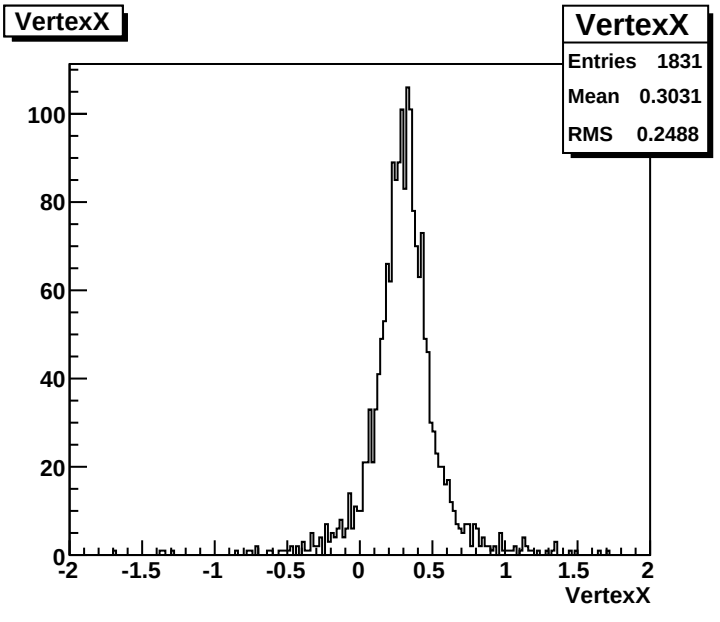

nDedx
nDedx
Entries 1226022
Mean 6.584
RMS 9.074
×10^3
ndedx

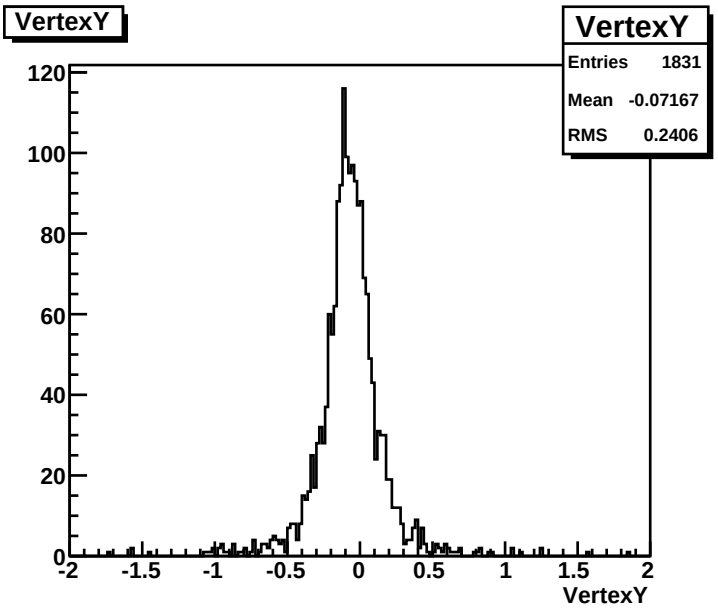

DcaXy
DcaXy
Entries 1226022
Mean -0.02066
RMS 2.12
χ² / ndf 2.531e+04 / 33
Apt 2.28e+04 ± 49
Mean -0.01443 ± 0.00138
Sigma 0.8558 ± 0.0017
DcaXY

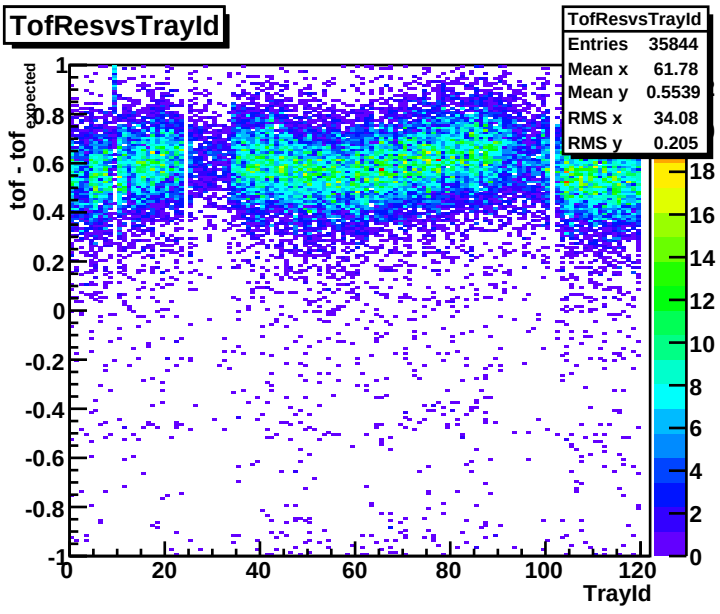

DcaZ
DcaZ
Entries 1226022
Mean 0.0149
RMS 1.663
DcaZ

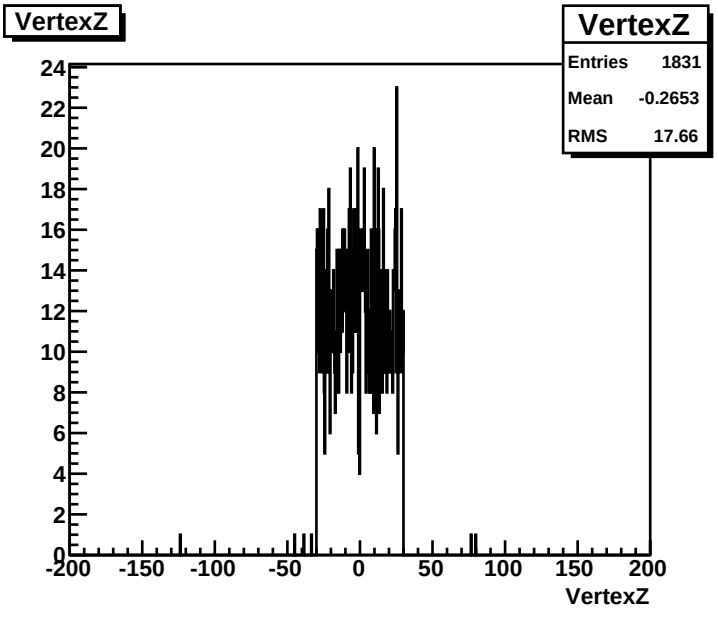

Glob_Eta
Glob_Eta
Entries 1226022
Mean 0.005506
RMS 0.7326
η

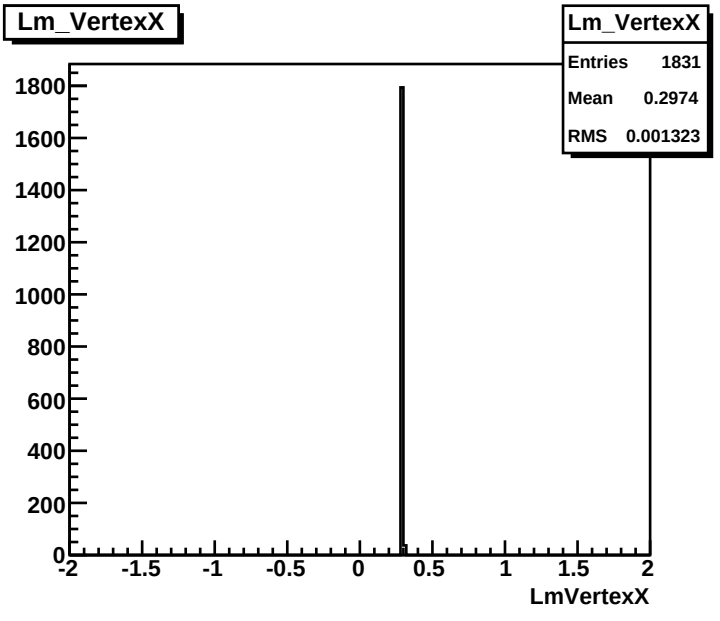

Prim_Eta
Prim_Eta
Entries 488531
Mean 0.005779
RMS 0.8276
η

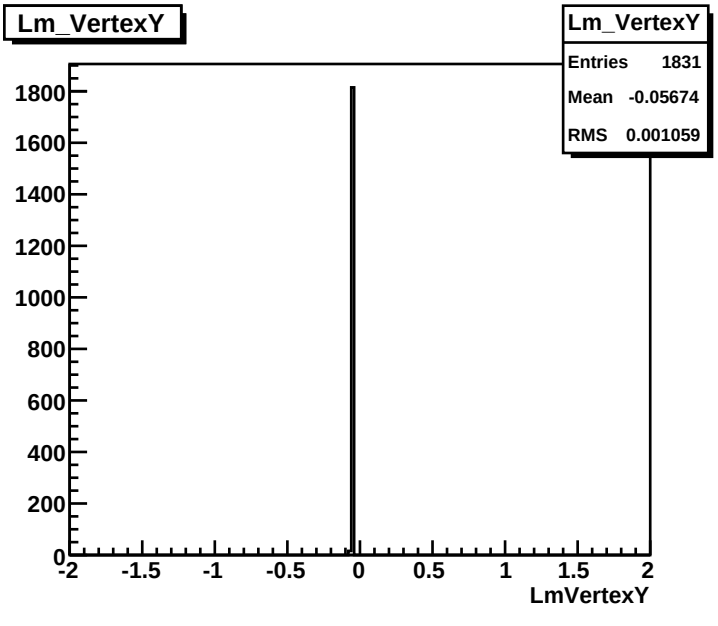

VertexX
VertexX
Entries 1831
Mean 0.3031
RMS 0.2488
VertexX

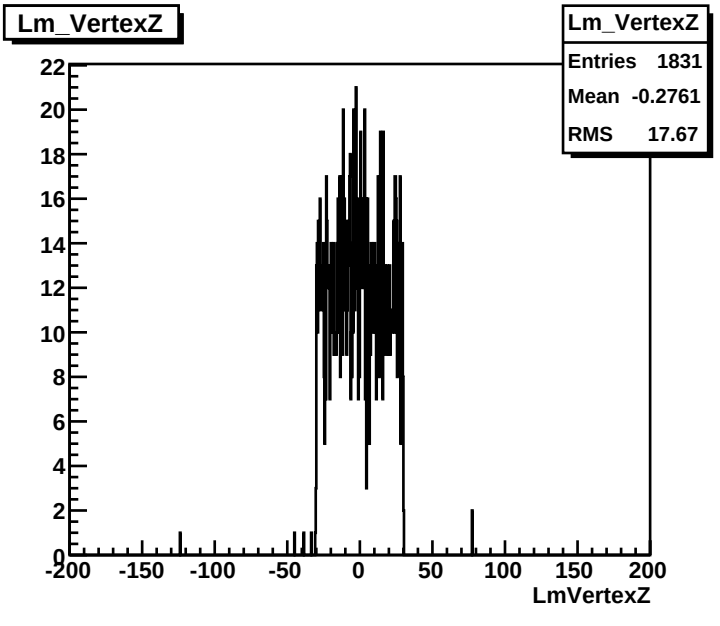

VertexY
VertexY
Entries 1831
Mean -0.07167
RMS 0.2406
VertexY

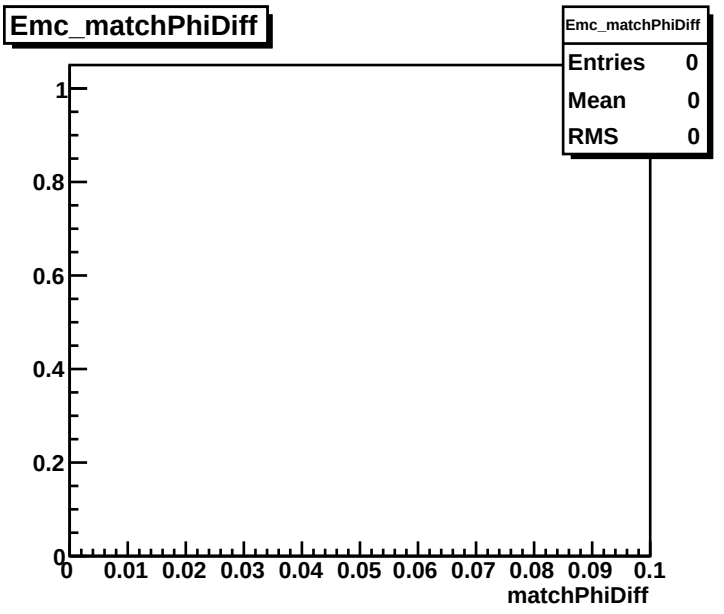

TofResvsTrayId
TofResvsTrayId
Entries 35844
Mean x 61.78
Mean y 0.5539
RMS x 34.08
RMS y 0.205
tof - tof expected
TrayId

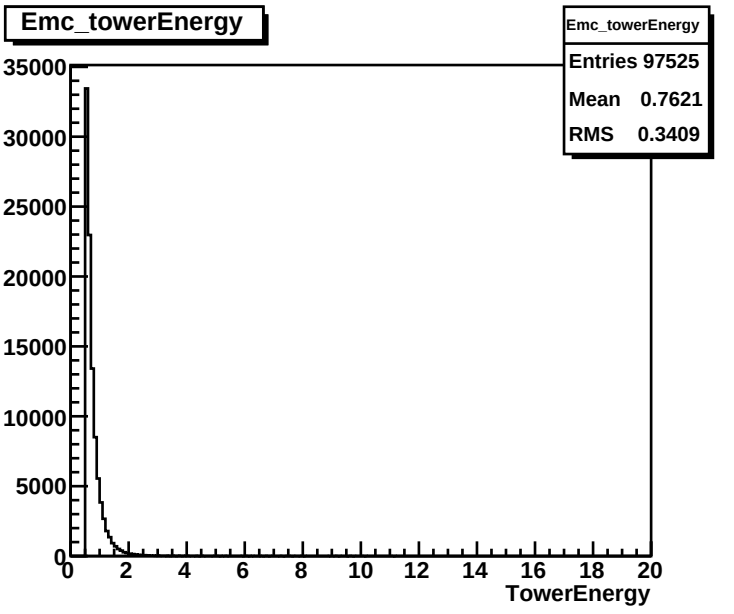

VertexZ
VertexZ
Entries 1831
Mean -0.2653
RMS 17.66
VertexZ

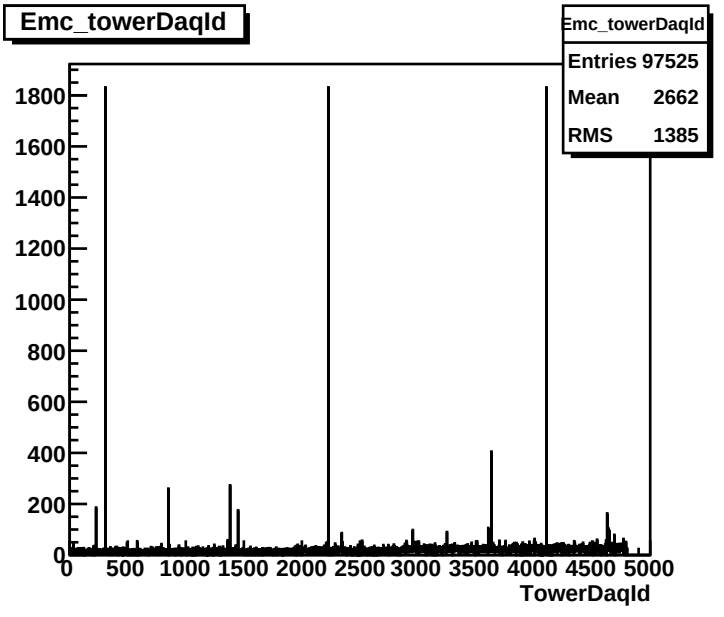

Lm_VertexX
Lm_VertexX
Entries 1831
Mean 0.2974
RMS 0.001323
LmVertexX

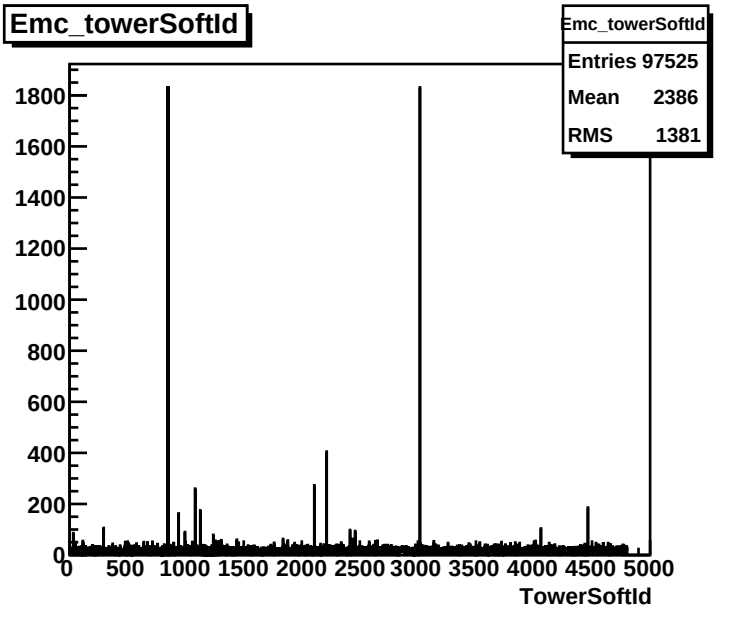

Lm_VertexY
Lm_VertexY
Entries 1831
Mean -0.05674
RMS 0.001059
LmVertexY

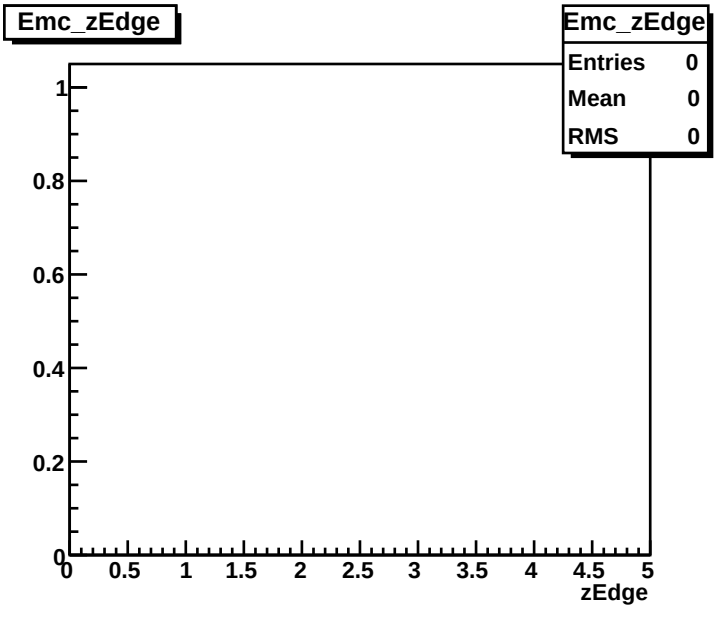

Lm_VertexZ
Lm_VertexZ
Entries 1831
Mean -0.2761
RMS 17.67
LmVertexZ

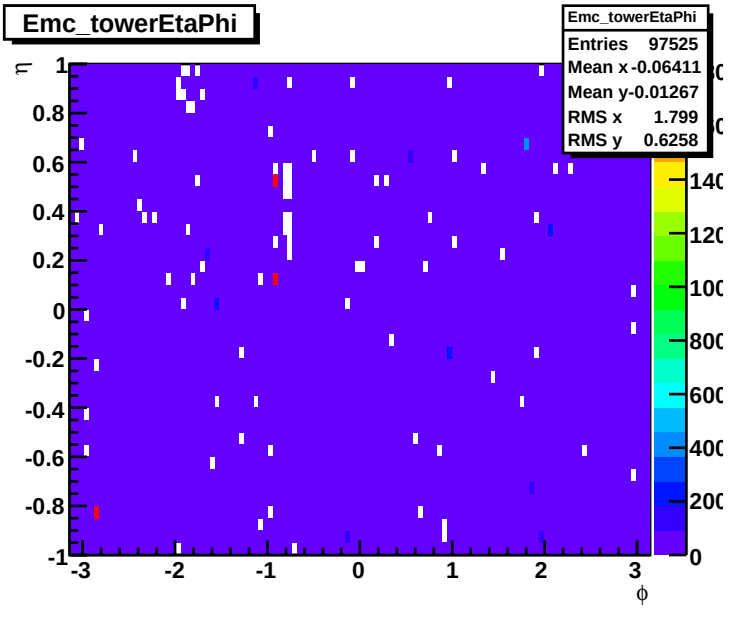

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

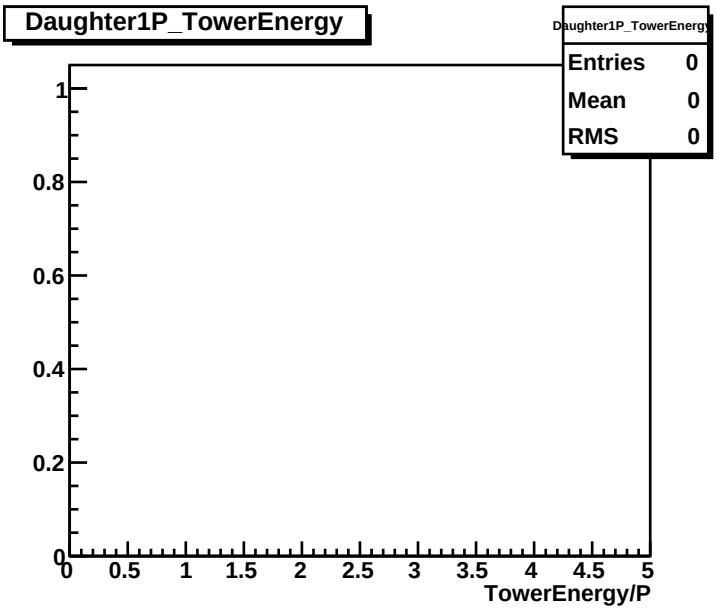

Emc_towerEnergy
Emc_towerEnergy
Entries 97525
Mean 0.7621
RMS 0.3409
TowerEnergy

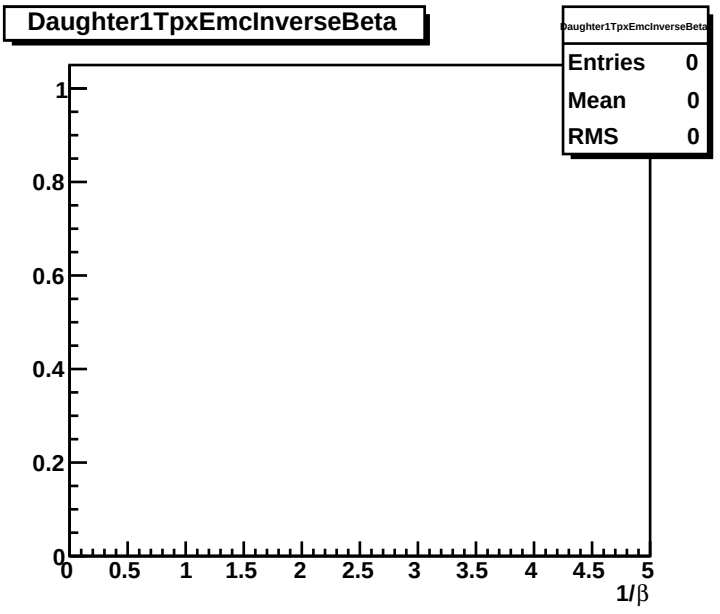

Emc_towerDaqId
Emc_towerDaqId
Entries 97525
Mean 2662
RMS 1385
TowerDaqId

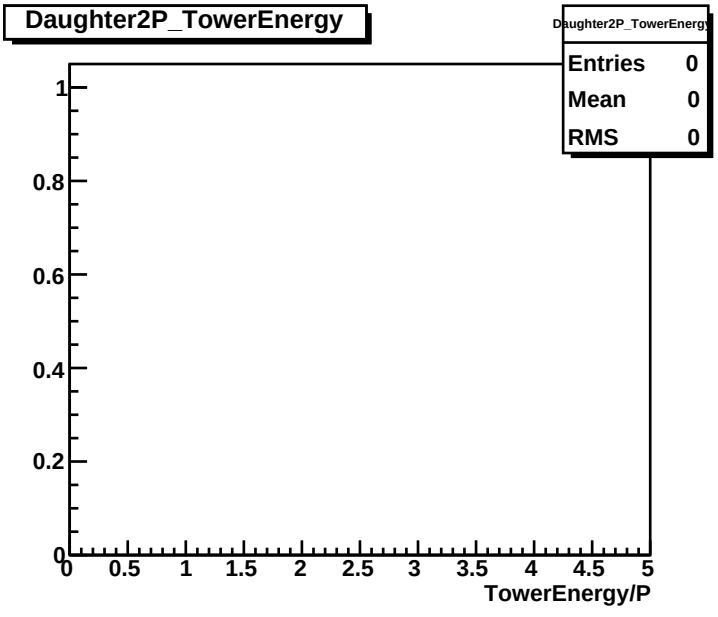

Emc_towerSoftId
Emc_towerSoftId
Entries 97525
Mean 2386
RMS 1381
TowerSoftId

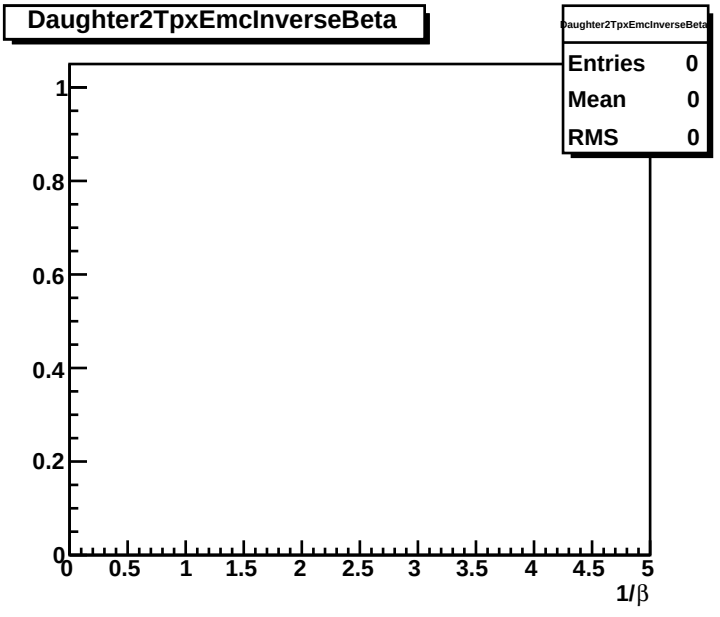

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

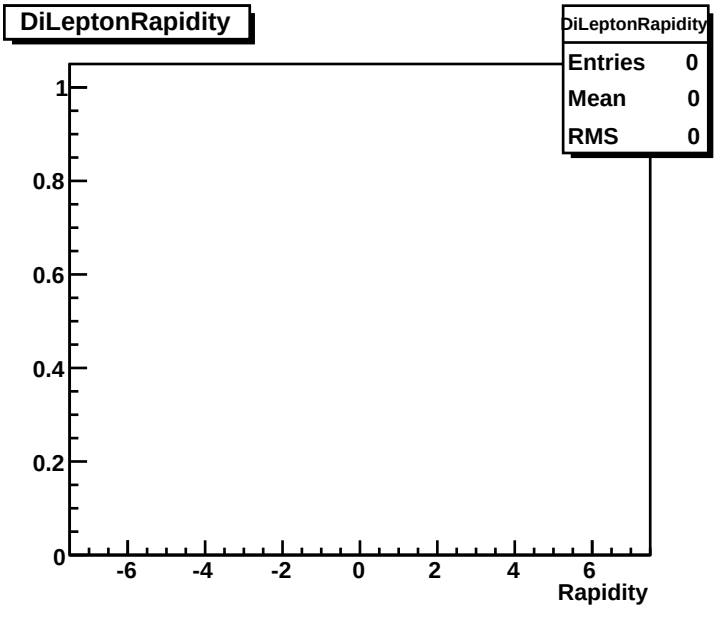

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 97525
Mean x -0.06411
Mean y -0.01267
RMS x 1.799
RMS y 0.6258
η
ϕ

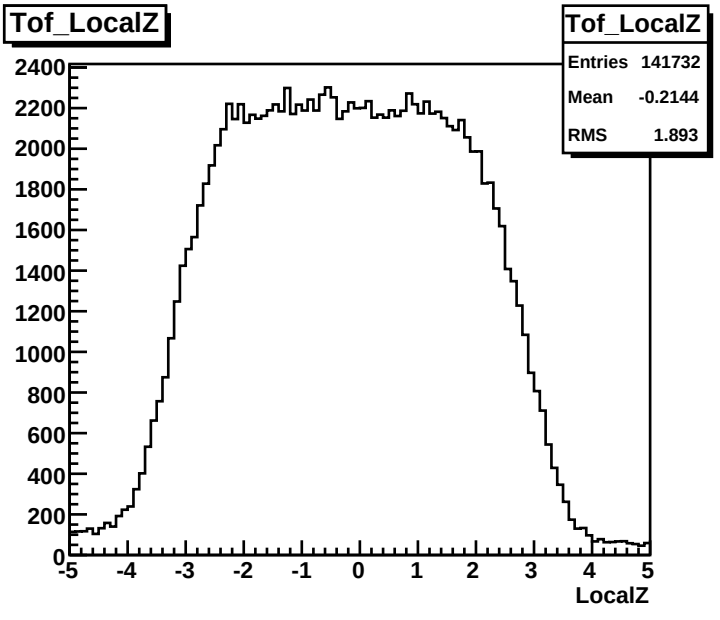

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

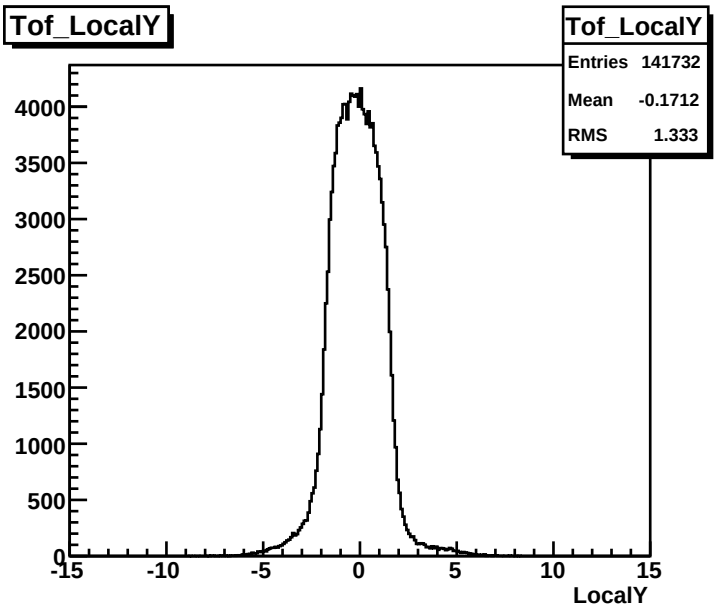

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

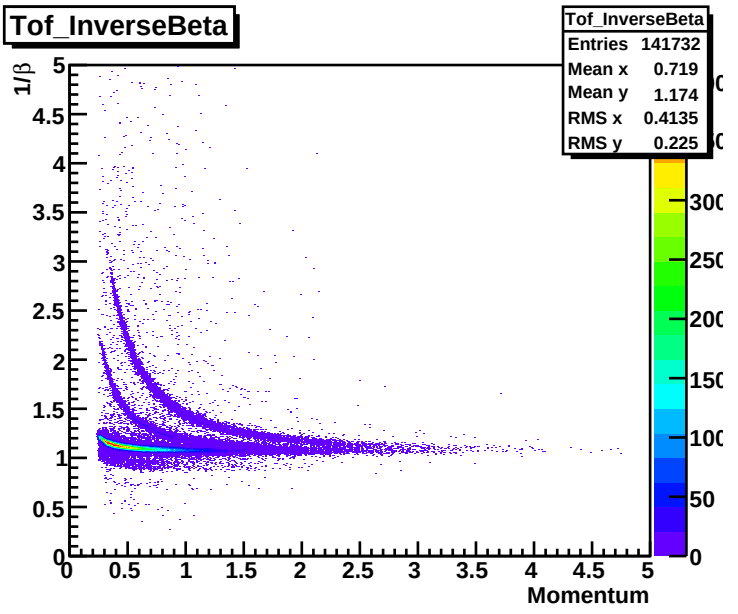

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

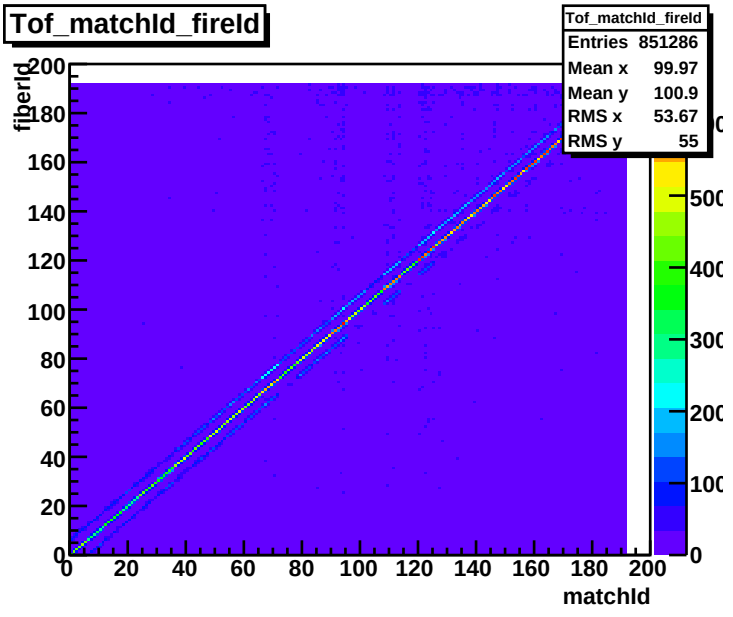

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

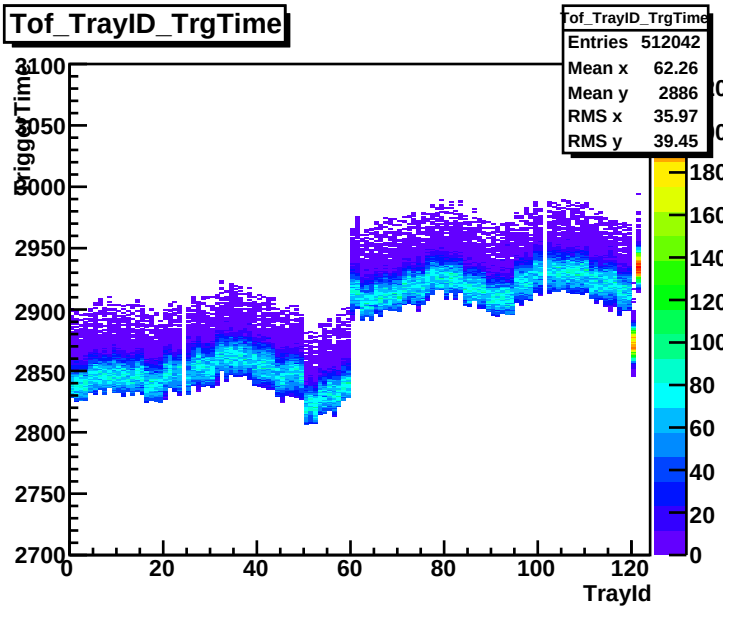

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

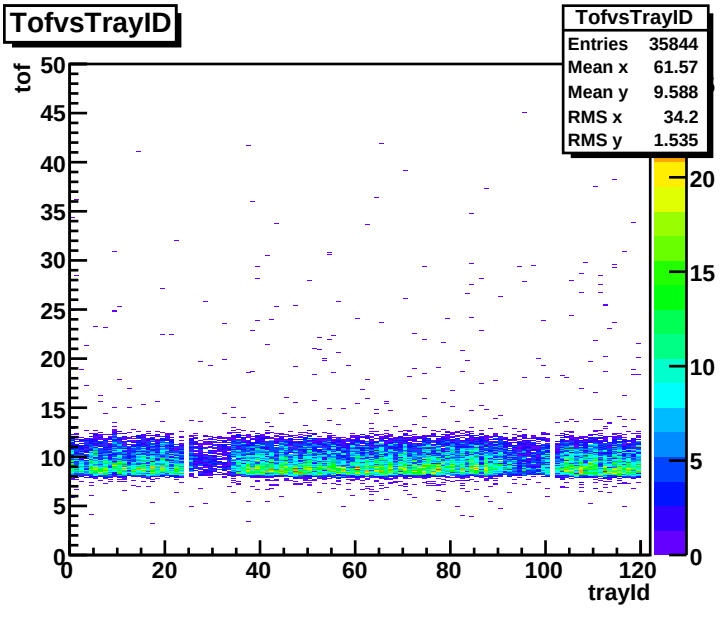

Tof_LocalZ
Tof_LocalZ
Entries 141732
Mean -0.2144
RMS 1.893
LocalZ

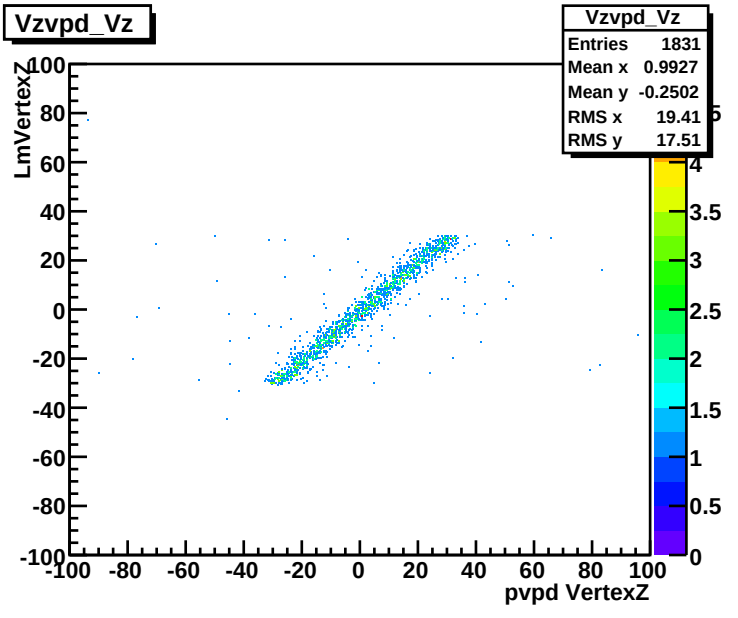

Tof_LocalY
Tof_LocalY
Entries 141732
Mean -0.1712
RMS 1.333
LocalY

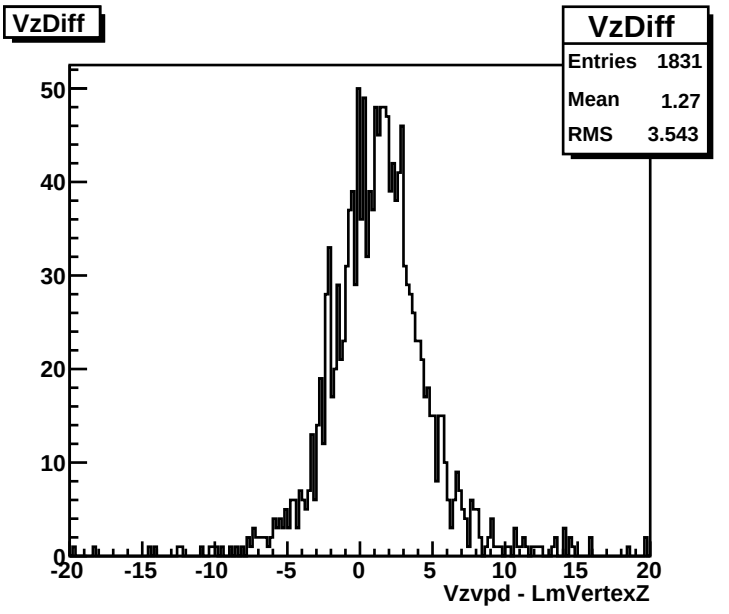

Tof_InverseBeta
Tof_InverseBeta
Entries 141732
Mean x 0.719
Mean y 1.174
RMS x 0.4135
RMS y 0.225
1/β
Momentum

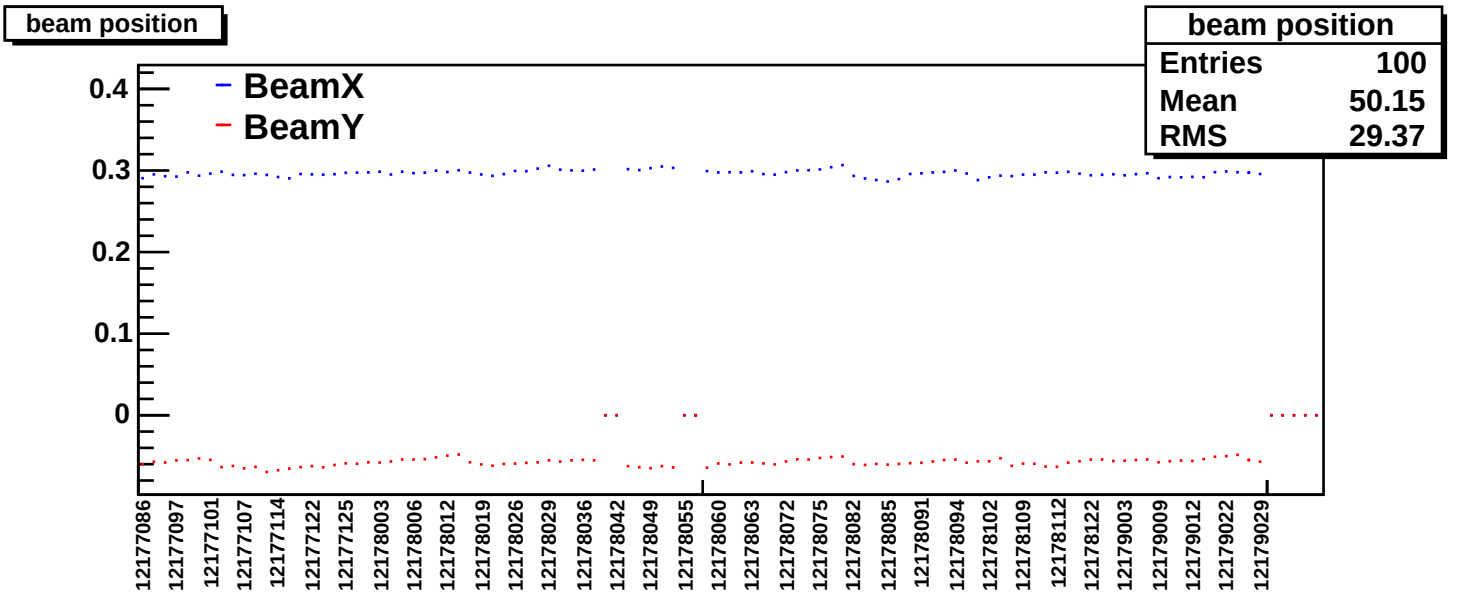

Tof_matchId_fireId
Tof_matchId_fireId
Entries 851286
Mean x 99.97
Mean y 100.9
RMS x 53.67
RMS y 55
fiberId
matchId

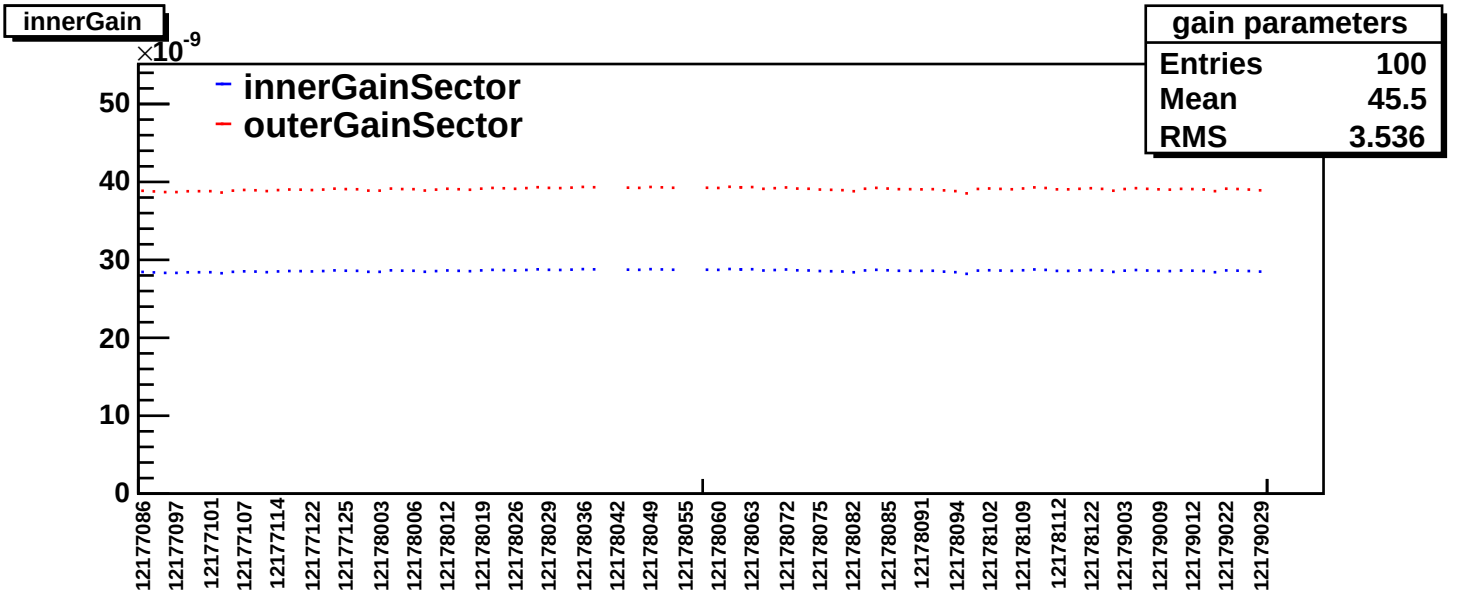

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 512042
Mean x 62.26
Mean y 2886
RMS x 35.97
RMS y 39.45
TrayId

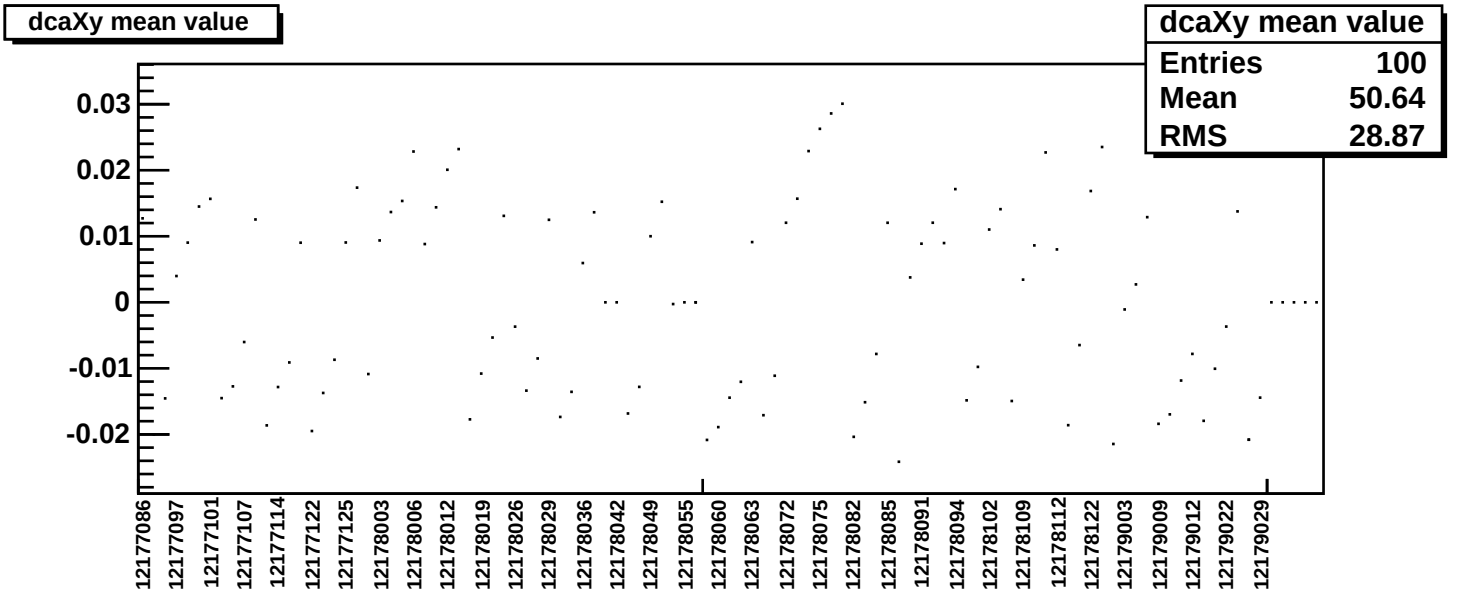

TofvsTrayID
TofvsTrayID
Entries 35844
Mean x 61.57
Mean y 9.588
RMS x 34.2
RMS y 1.535
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 1831
Mean x 0.9927
Mean y -0.2502
RMS x 19.41
RMS y 17.51
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 1831
Mean 1.27
RMS 3.543
50
40
30
20
10
0
-20
-15
-10
-5
0
5
10
15
20
Vzvpd - LmVertexZ


beam position
beam position
Entries 100
Mean 50.15
RMS 29.37
BeamX
BeamY
0.4
0.3
0.2
0.1
0
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 12179012 12179022 12179029


innerGain
gain parameters
Entries 100
Mean 45.5
RMS 3.536
×10^-9
innerGainSector
outerGainSector
50
40
30
20
10
0
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 12179012 12179022 12179029


dcaXy mean value
dcaXy mean value
Entries 100
Mean 50.64
RMS 28.87
0.03
0.02
0.01
0
-0.01
-0.02
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 12179012 12179022 12179029