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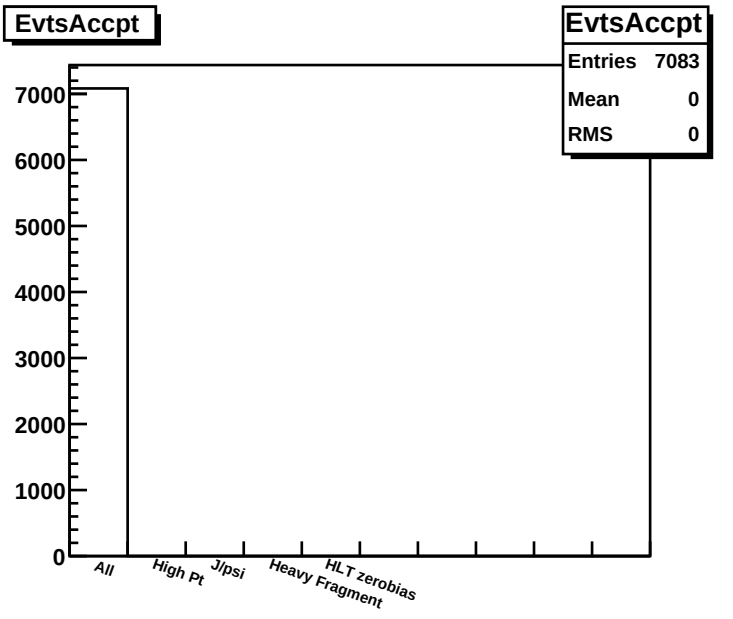
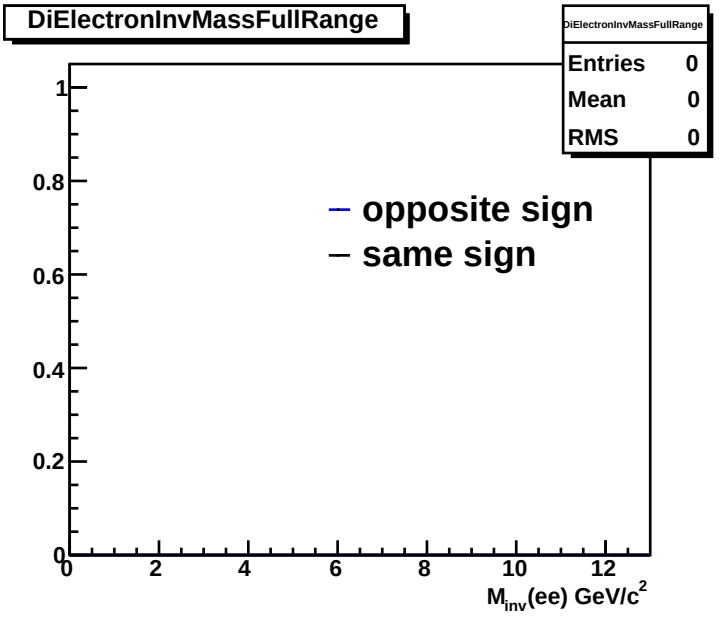
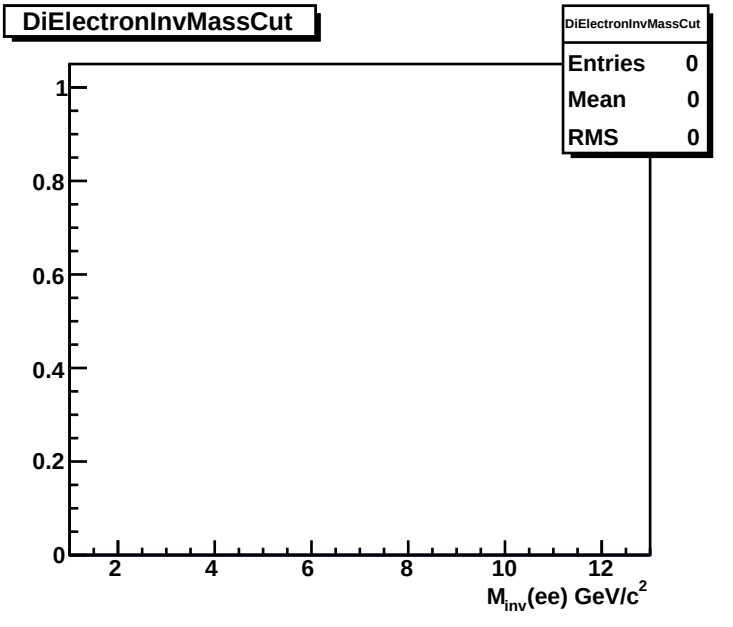
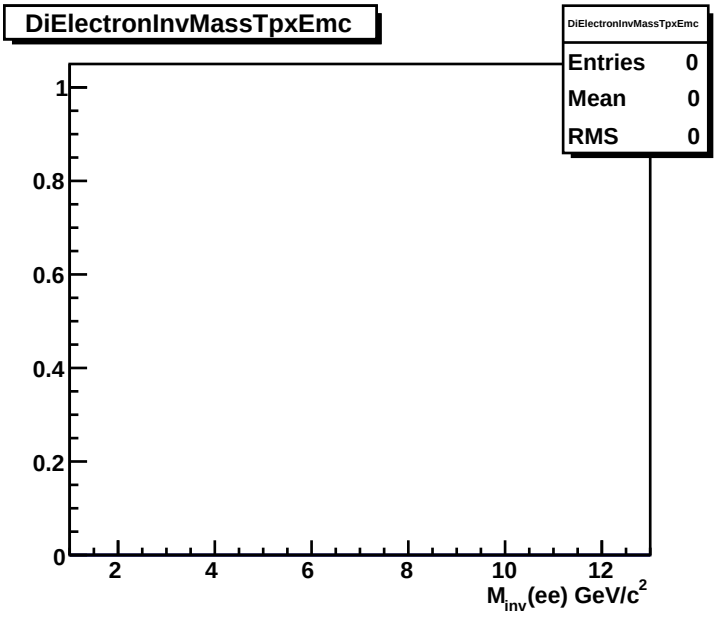
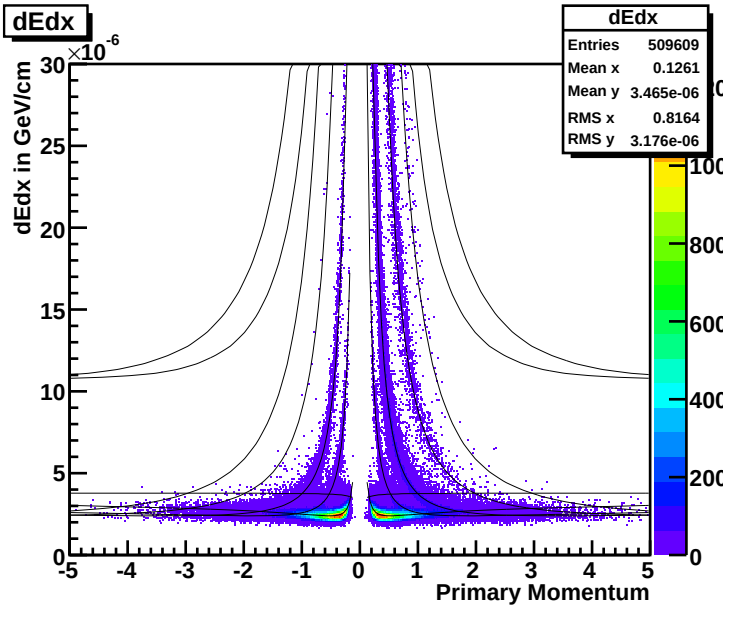
Tue Jun 28 07:33:41 2011

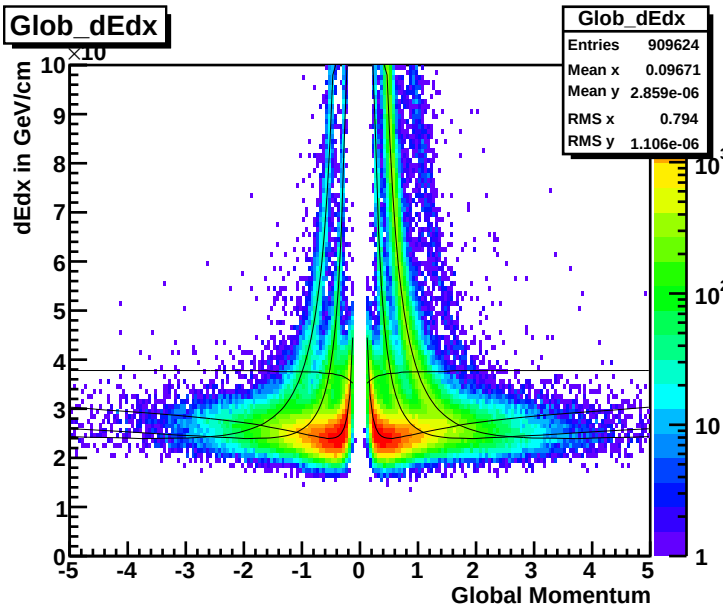


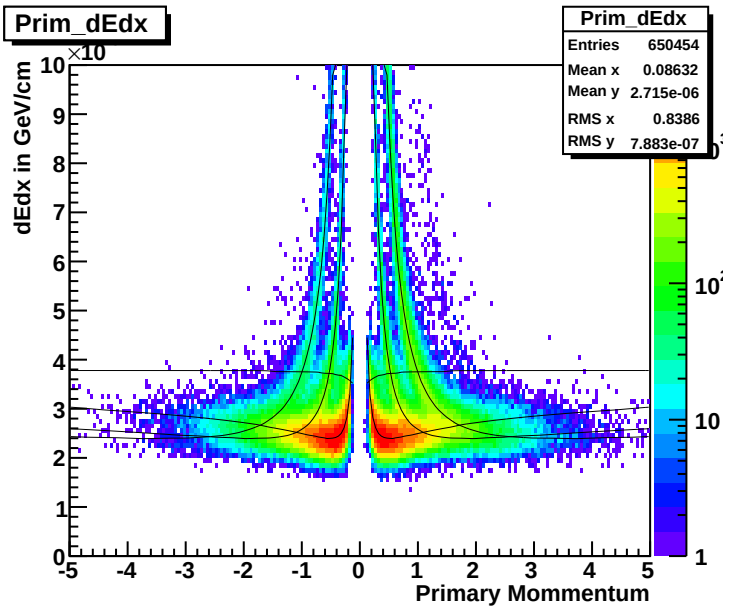


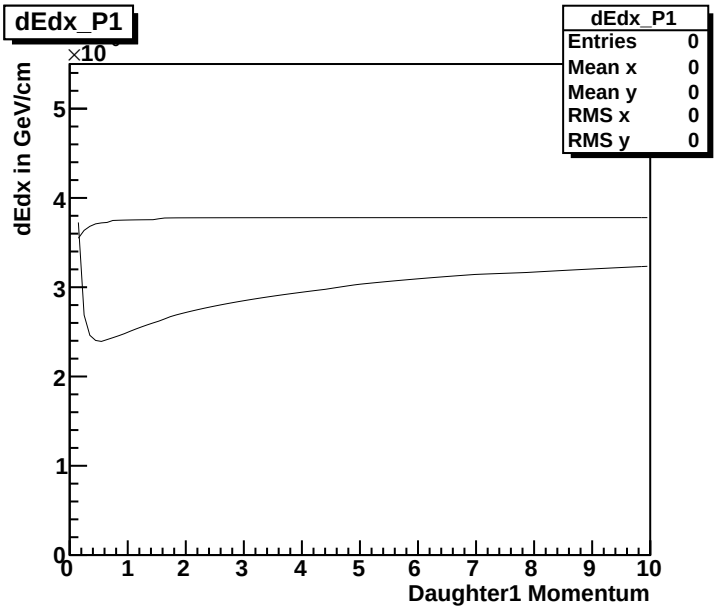


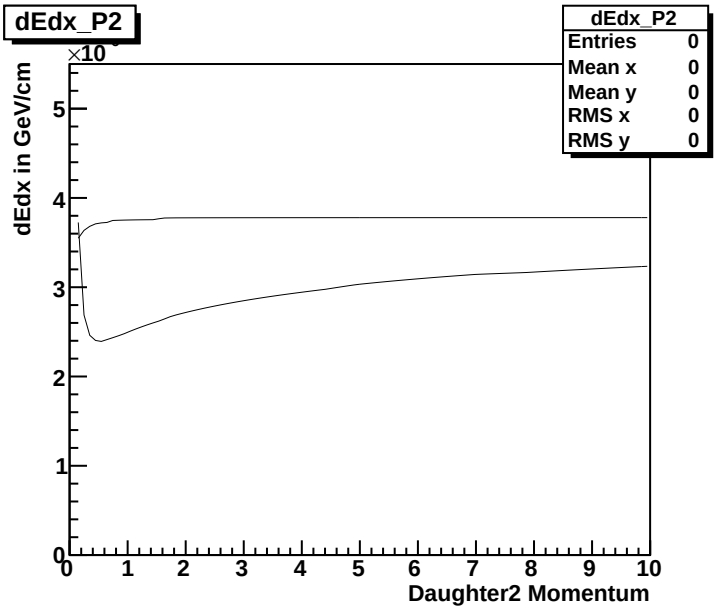


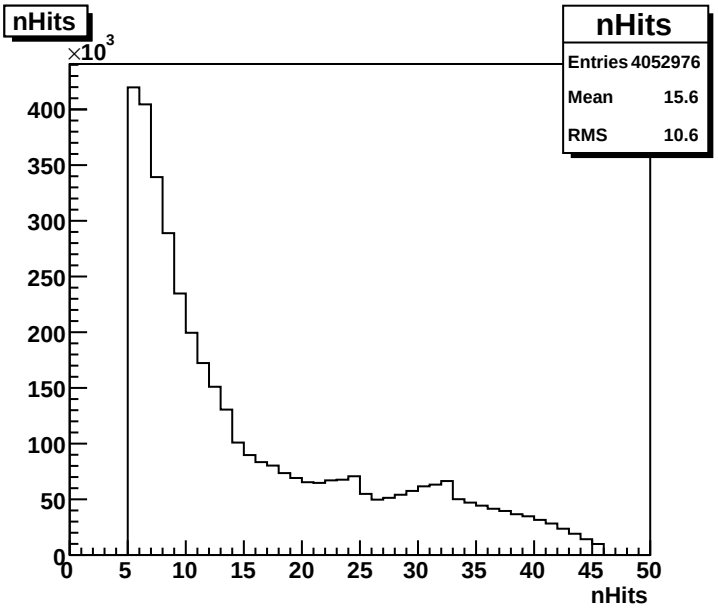


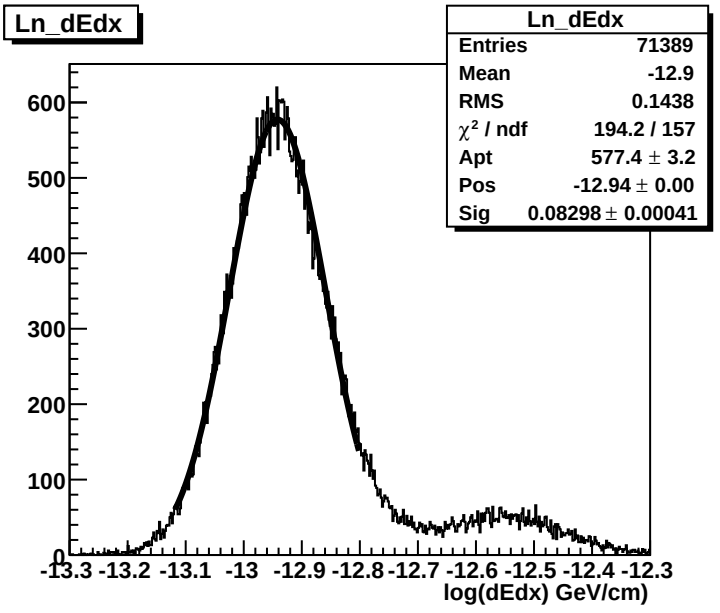

Glob_dEdx
Glob_dEdx
Entries 909624
Mean x 0.09671
Mean y 2.859e-06
RMS x 0.794
RMS y 1.106e-06
dEdx in GeV/cm
Global Momentum

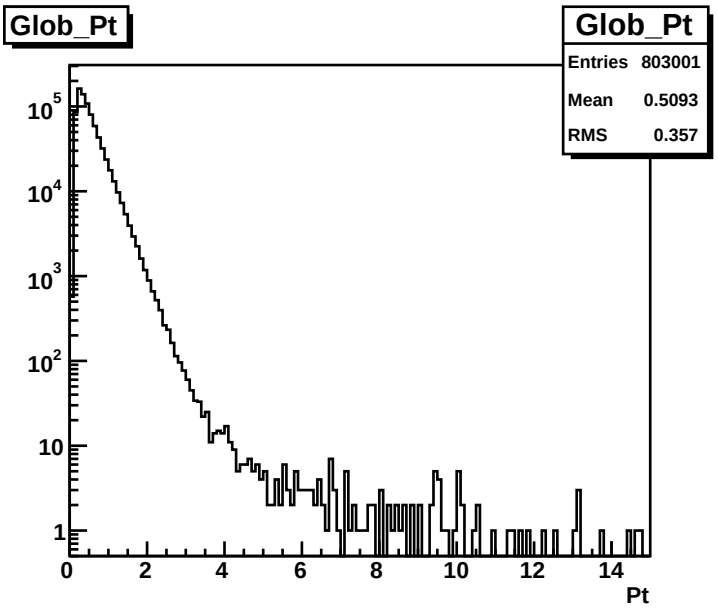

Prim_dEdx
Prim_dEdx
Entries 650454
Mean x 0.08632
Mean y 2.715e-06
RMS x 0.8386
RMS y 7.883e-07
dEdx in GeV/cm
Primary Mommentum

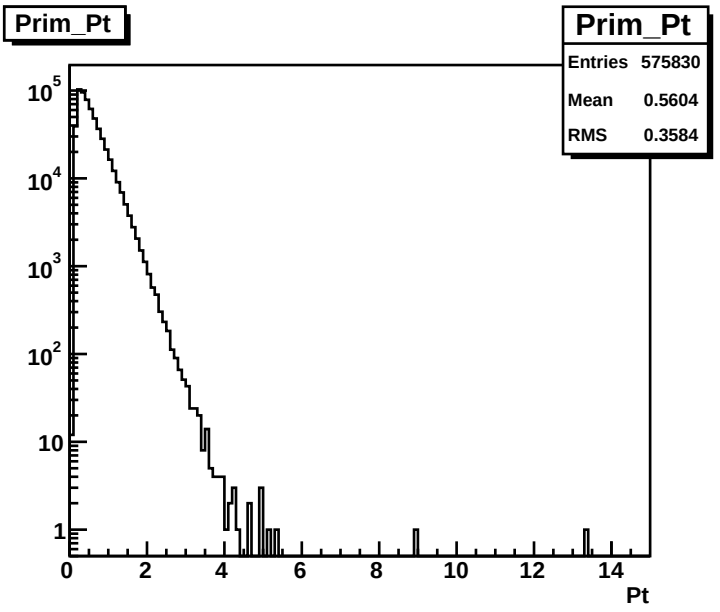

dEdx_P1
dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

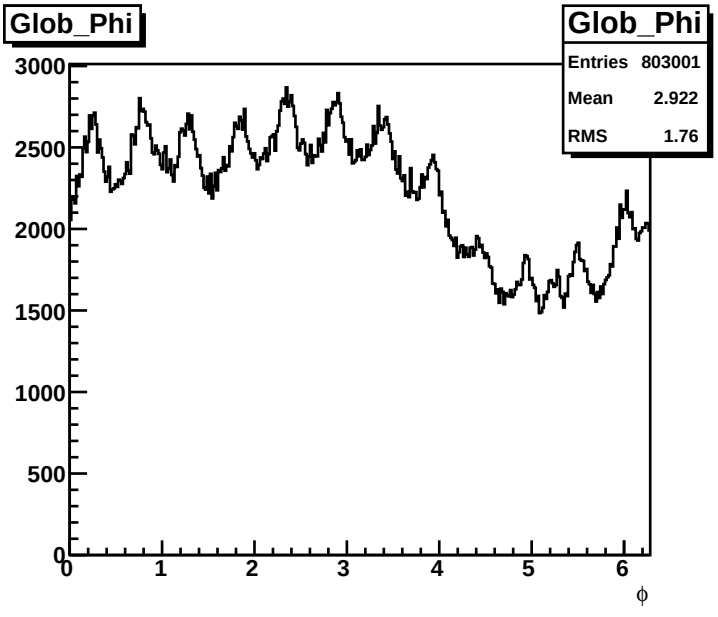

dEdx_P2
dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

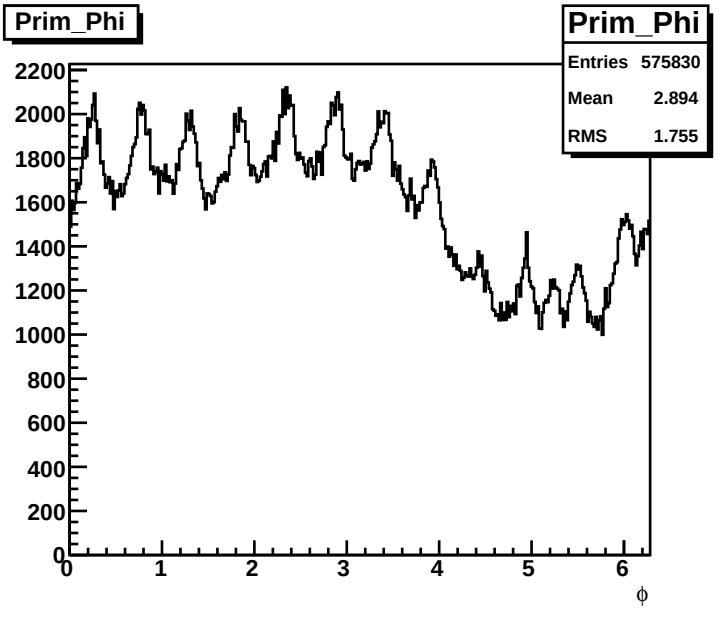

nHits
nHits
Entries 4052976
Mean 15.6
RMS 10.6
nHits

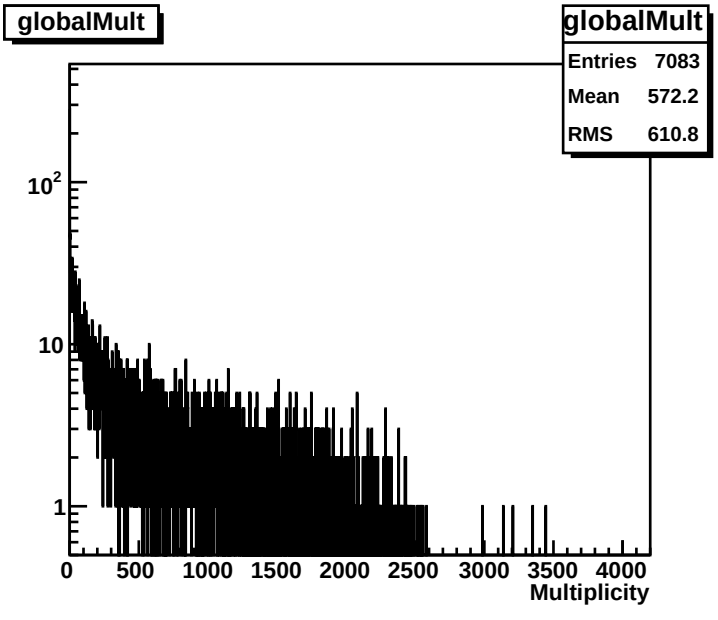

Ln_dEdx
Ln_dEdx
Entries 71389
Mean -12.9
RMS 0.1438
χ² / ndf 194.2 / 157
Apt 577.4 ± 3.2
Pos -12.94 ± 0.00
Sig 0.08298 ± 0.00041
log(dEdx) GeV/cm)

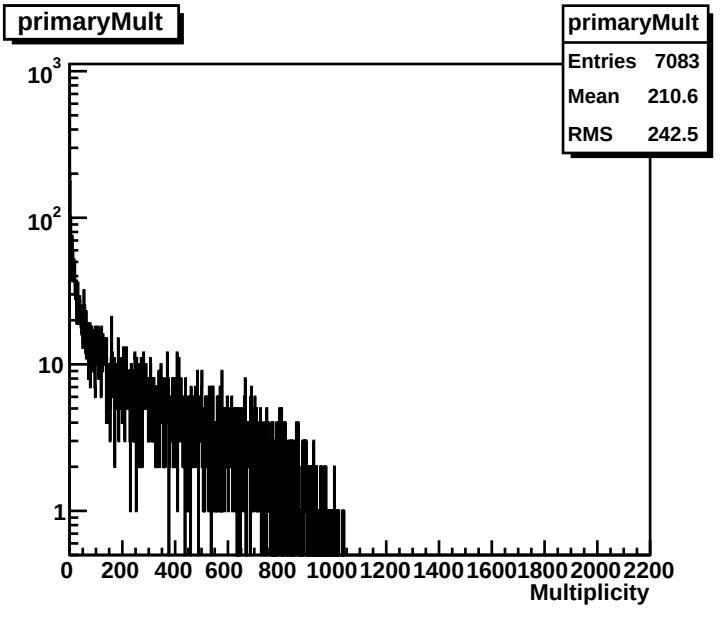

Glob_Pt
Glob_Pt
Entries 803001
Mean 0.5093
RMS 0.357
Pt

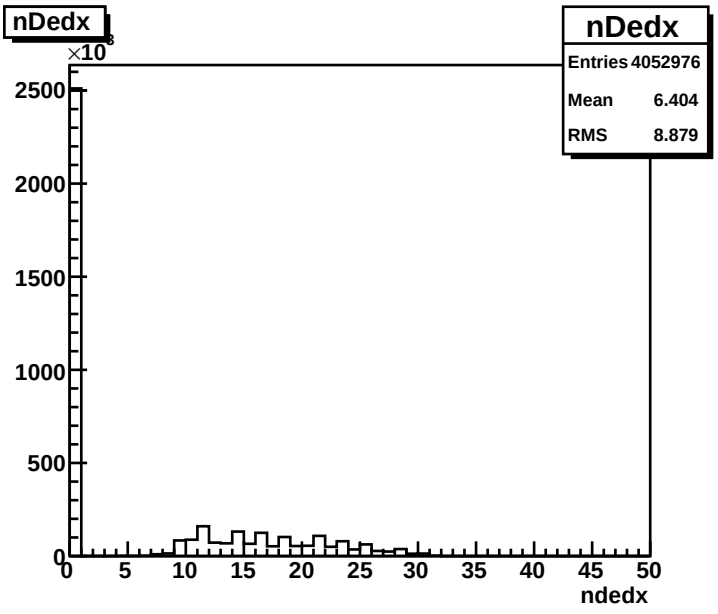

Prim_Pt
Prim_Pt
Entries 575830
Mean 0.5604
RMS 0.3584
Pt

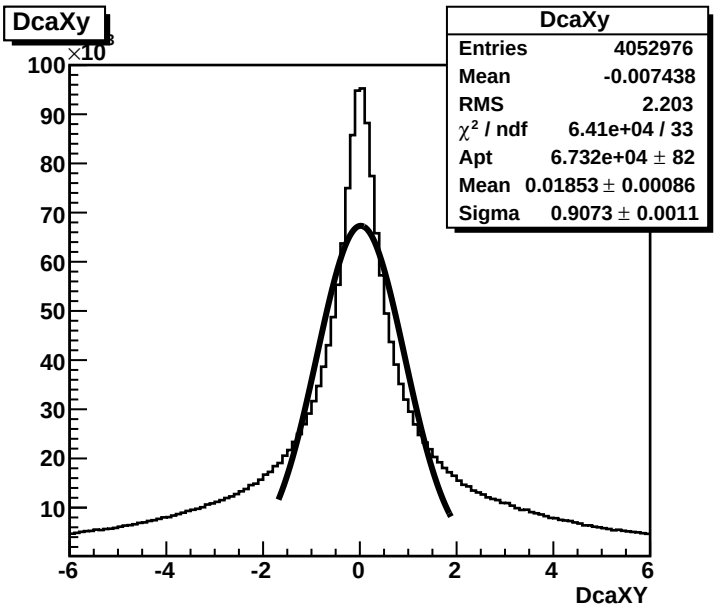

Glob_Phi
Glob_Phi
Entries 803001
Mean 2.922
RMS 1.76
ϕ

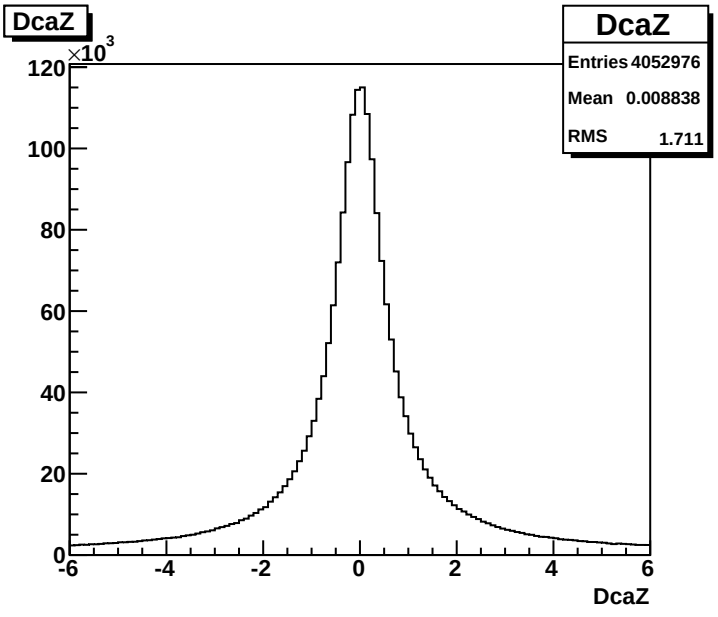

Prim_Phi
Prim_Phi
Entries 575830
Mean 2.894
RMS 1.755
ϕ

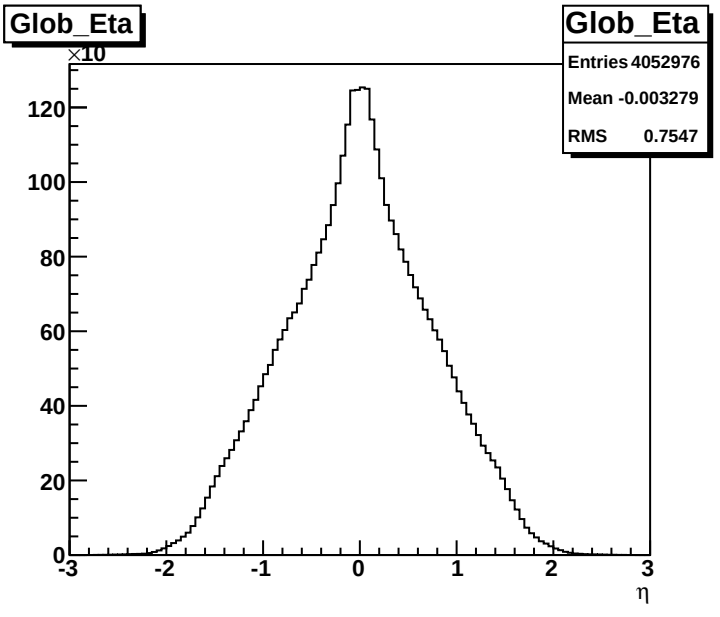

globalMult
globalMult
Entries 7083
Mean 572.2
RMS 610.8
Multiplicity

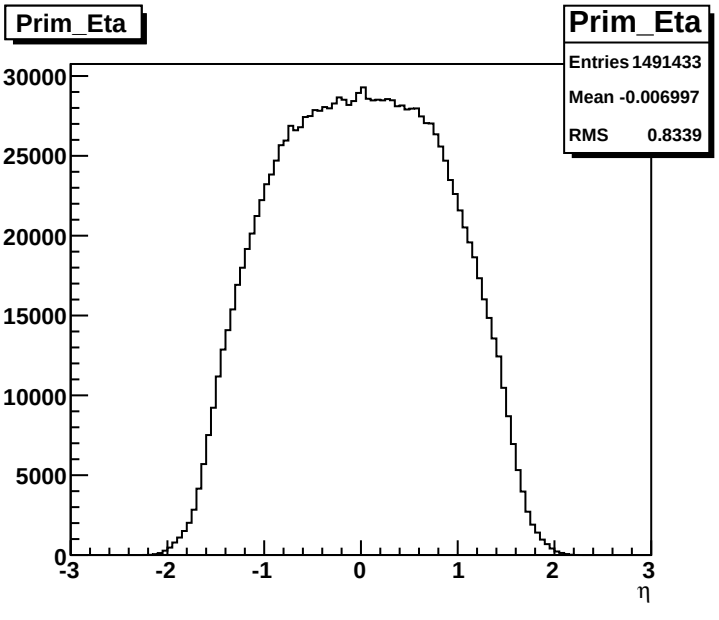

primaryMult
primaryMult
Entries 7083
Mean 210.6
RMS 242.5
Multiplicity

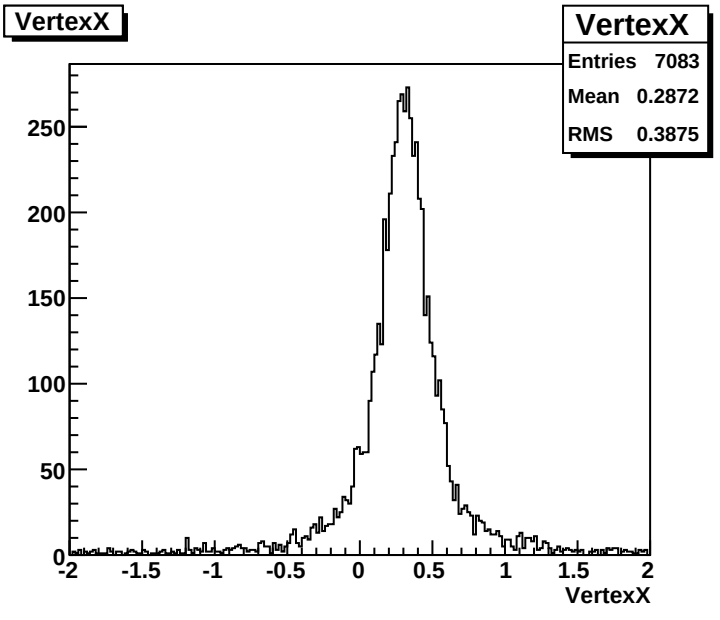

nDedx
nDedx
Entries 4052976
Mean 6.404
RMS 8.879
×10³
ndedx

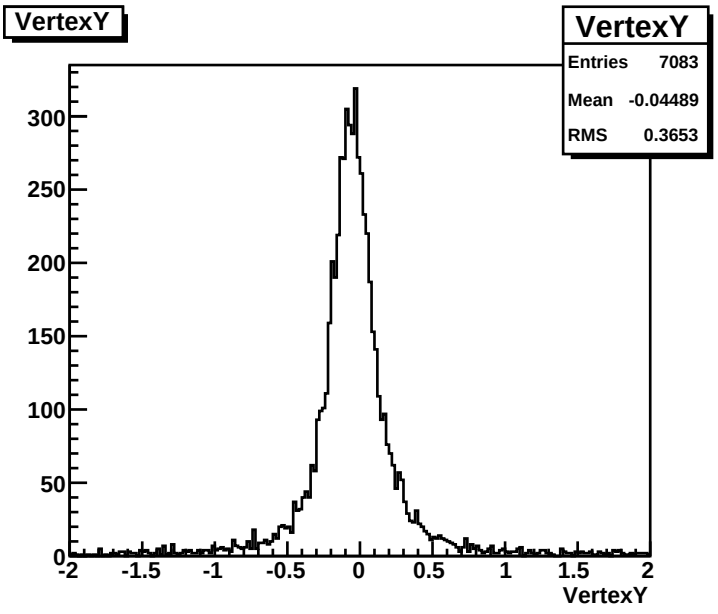

DcaXy
DcaXy
Entries 4052976
Mean -0.007438
RMS 2.203
χ² / ndf 6.41e+04 / 33
Apt 6.732e+04 ± 82
Mean 0.01853 ± 0.00086
Sigma 0.9073 ± 0.0011
×10³
DcaXY

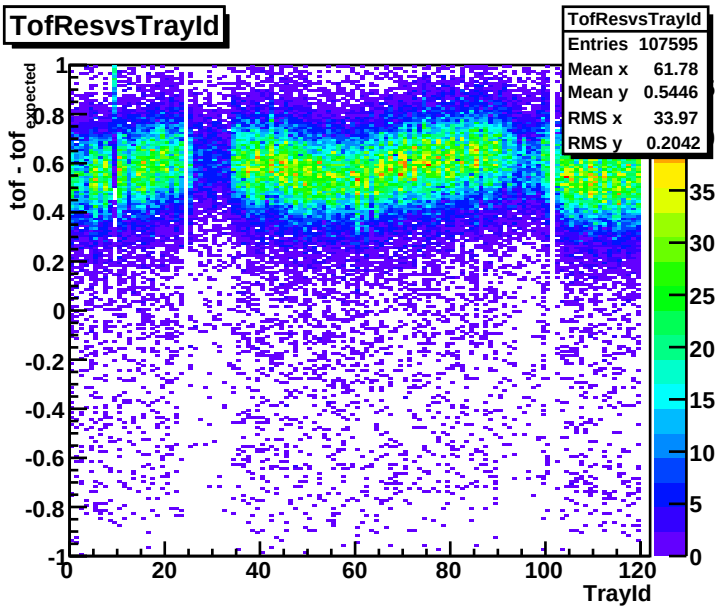

DcaZ
DcaZ
Entries 4052976
Mean 0.008838
RMS 1.711
×10³
DcaZ

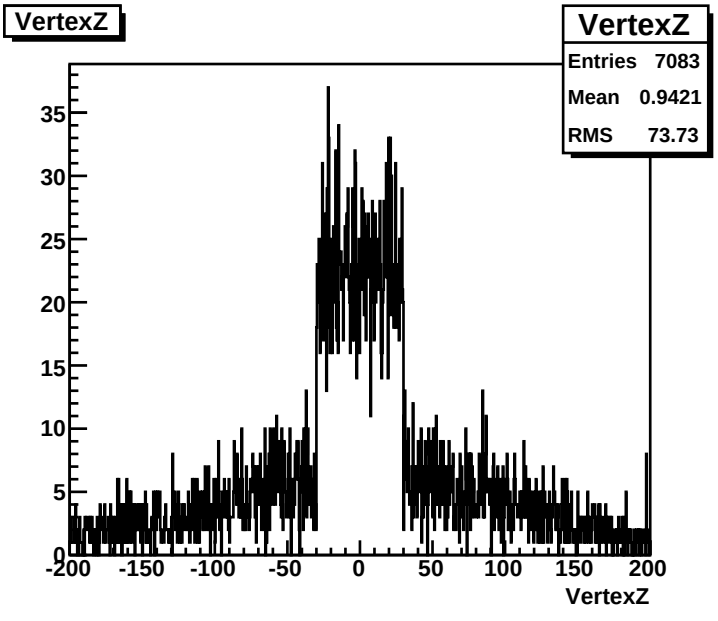

Glob_Eta
Glob_Eta
Entries 4052976
Mean -0.003279
RMS 0.7547
×10
η

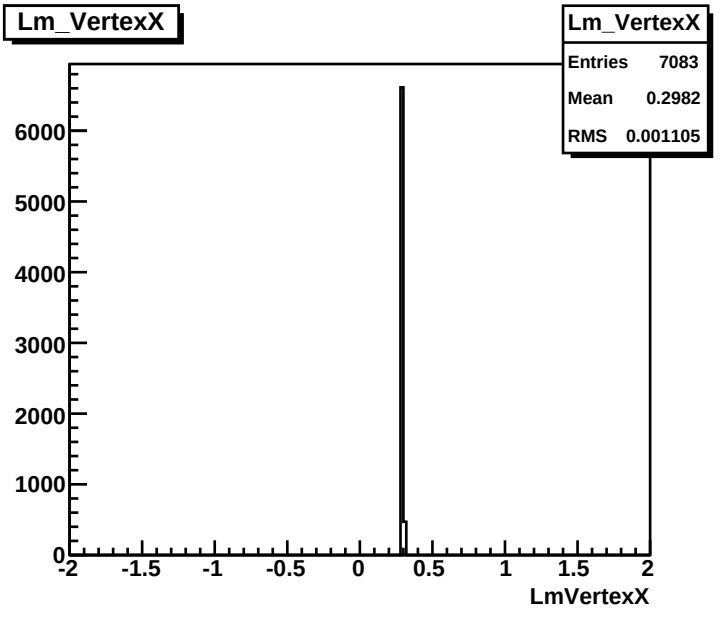

Prim_Eta
Prim_Eta
Entries 1491433
Mean -0.006997
RMS 0.8339
η

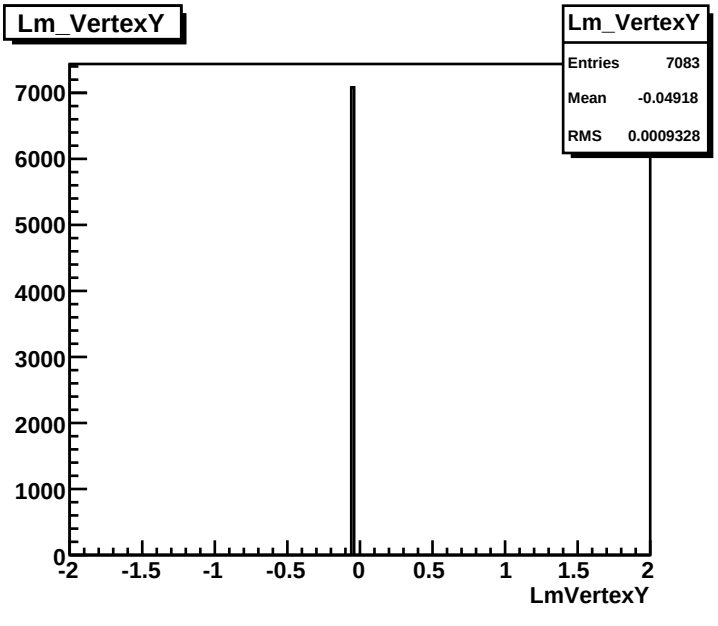

VertexX
VertexX
Entries 7083
Mean 0.2872
RMS 0.3875
VertexX

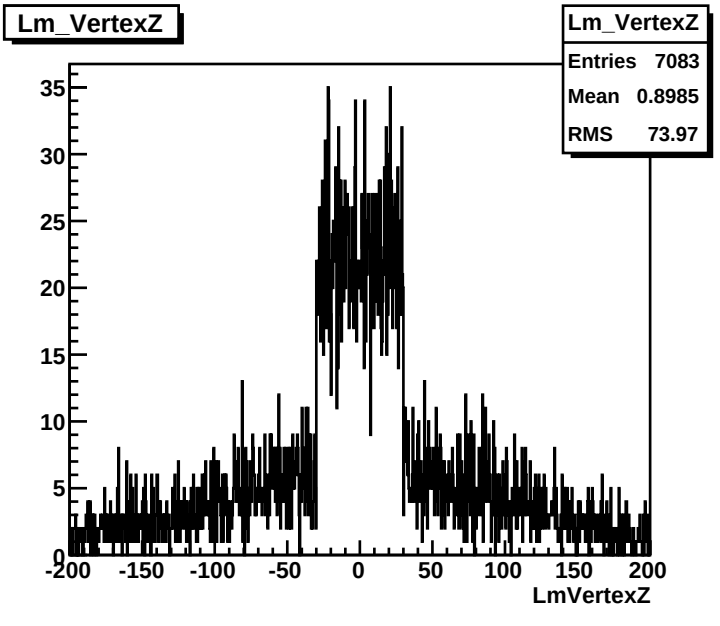

VertexY
VertexY
Entries 7083
Mean -0.04489
RMS 0.3653
VertexY

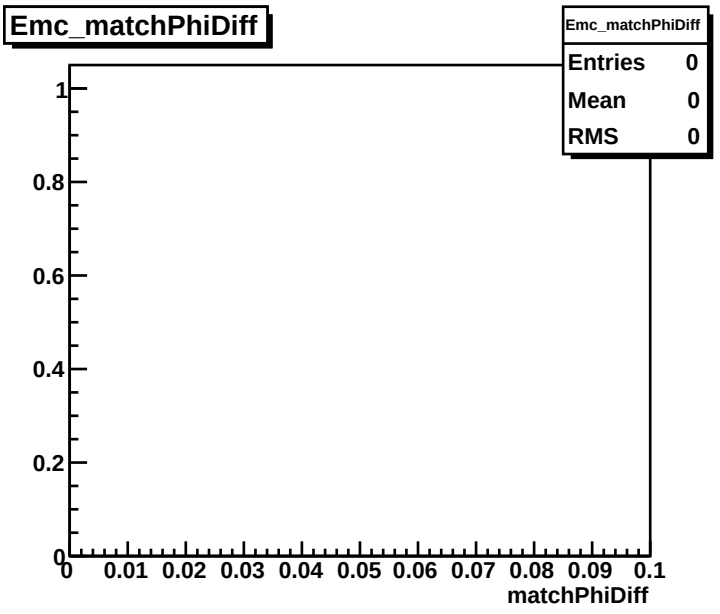

TofResvsTrayId
TofResvsTrayId
Entries 107595
Mean x 61.78
Mean y 0.5446
RMS x 33.97
RMS y 0.2042
tof - tof expected
TrayId

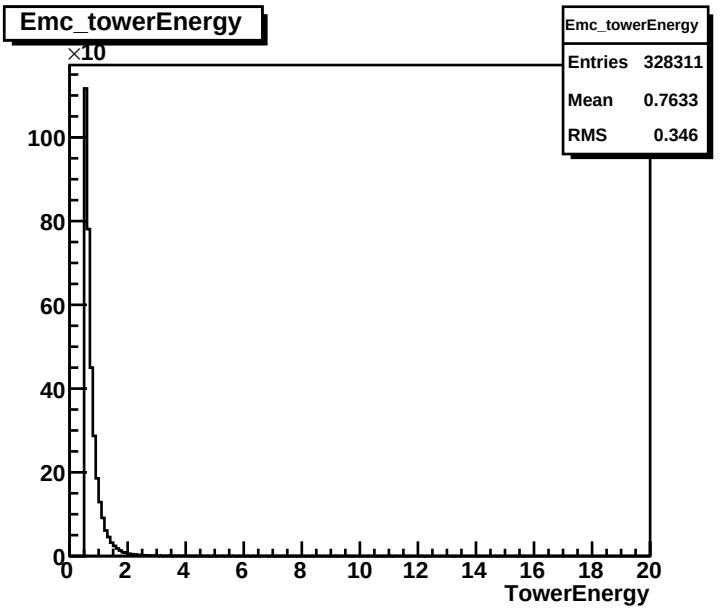

VertexZ
VertexZ
Entries 7083
Mean 0.9421
RMS 73.73
VertexZ

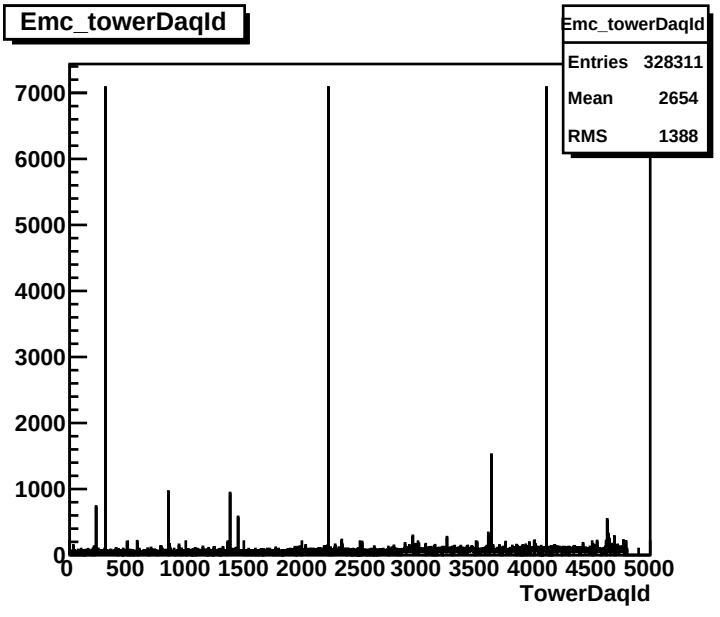

Lm_VertexX
Lm_VertexX
Entries 7083
Mean 0.2982
RMS 0.001105
LmVertexX

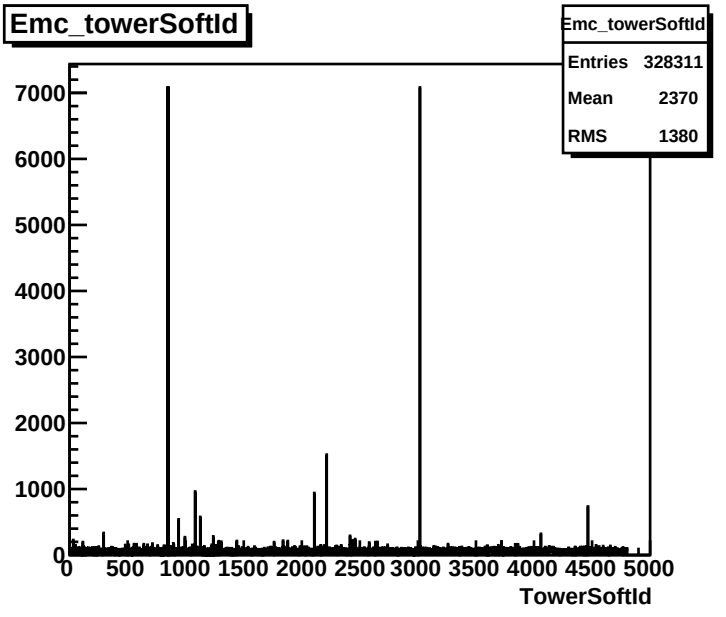

Lm_VertexY
Lm_VertexY
Entries 7083
Mean -0.04918
RMS 0.0009328
LmVertexY

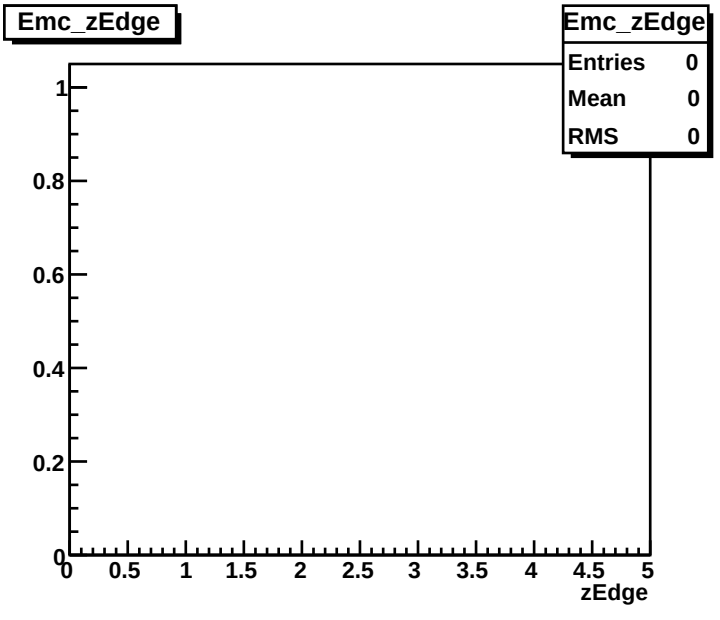

Lm_VertexZ
Lm_VertexZ
Entries 7083
Mean 0.8985
RMS 73.97
LmVertexZ

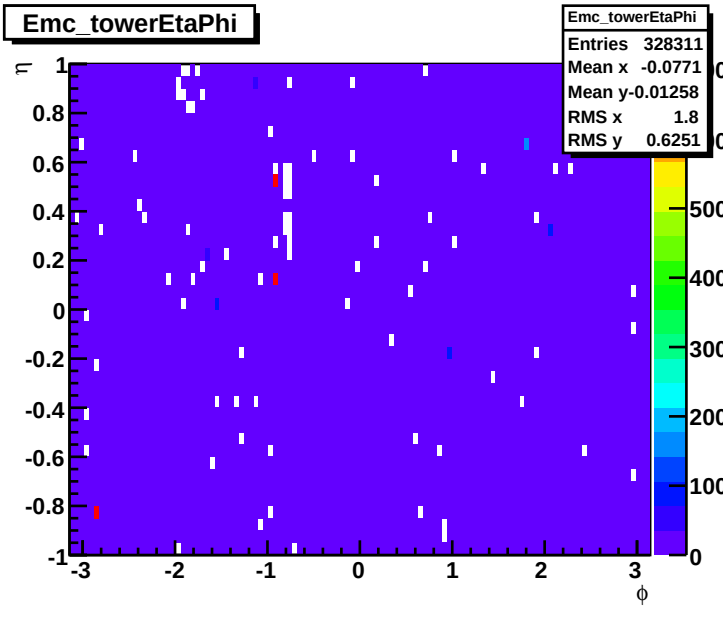

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

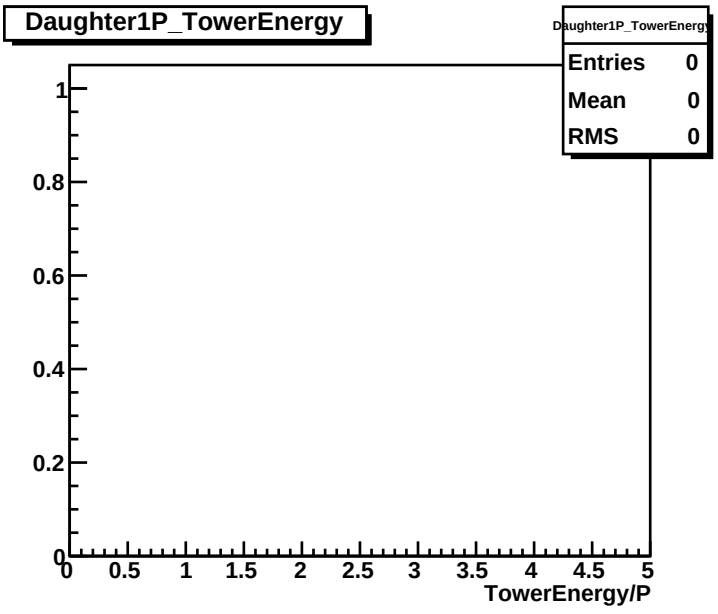

Emc_towerEnergy
Emc_towerEnergy
Entries 328311
Mean 0.7633
RMS 0.346
×10
TowerEnergy

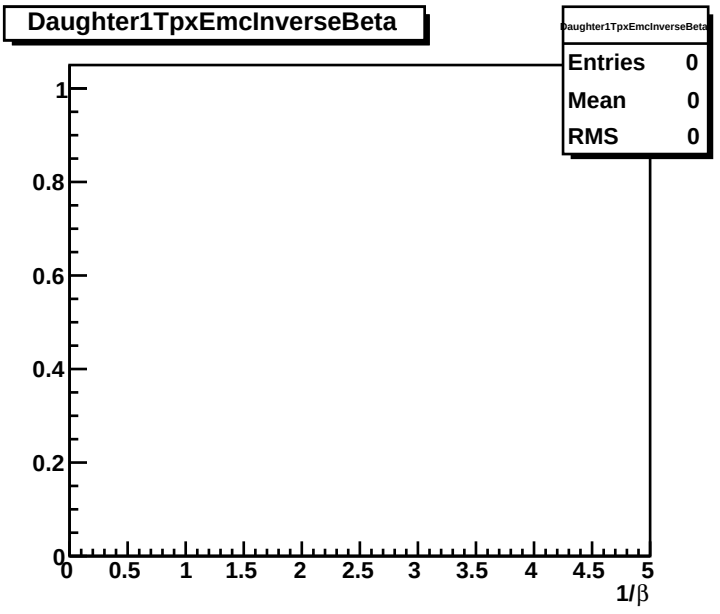

Emc_towerDaqId
Emc_towerDaqId
Entries 328311
Mean 2654
RMS 1388
TowerDaqId

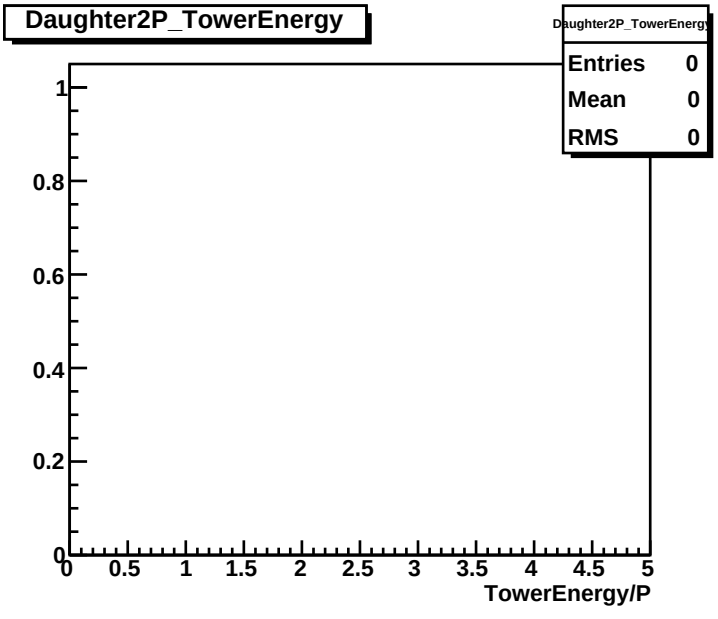

Emc_towerSoftId
Emc_towerSoftId
Entries 328311
Mean 2370
RMS 1380
TowerSoftId

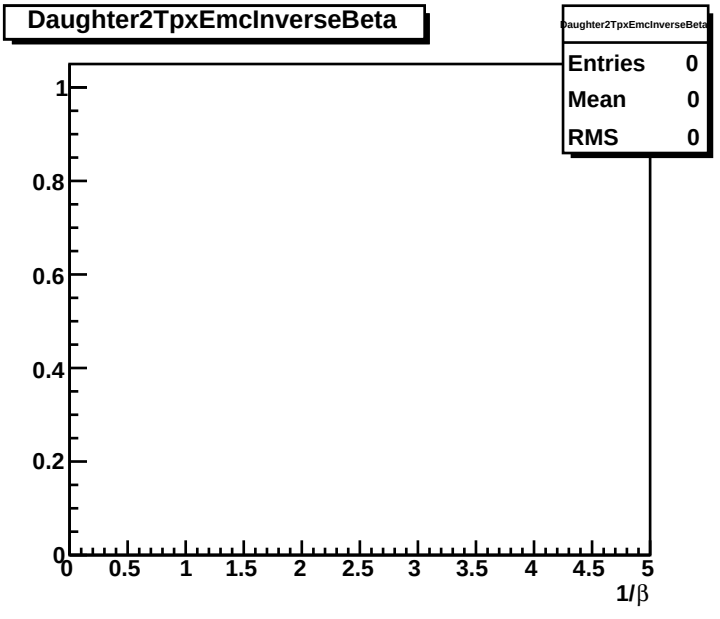

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

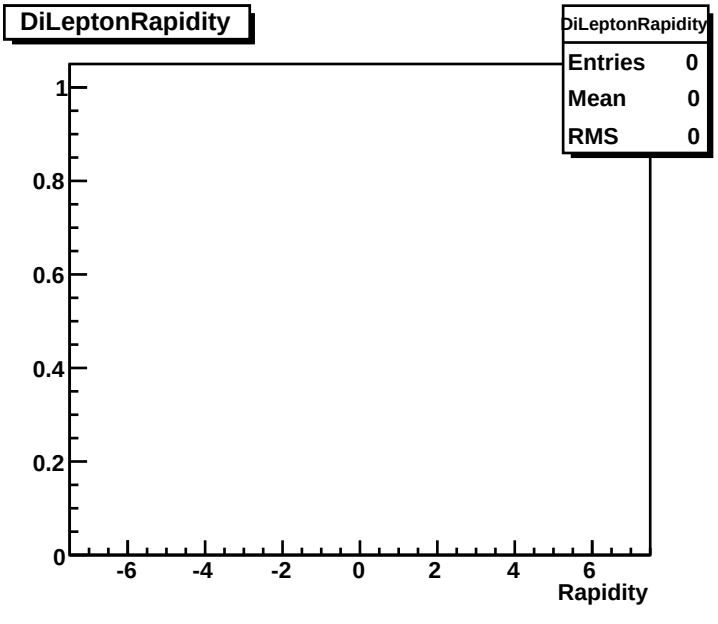

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 328311
Mean x -0.0771
Mean y -0.01258
RMS x 1.8
RMS y 0.6251
η
ϕ

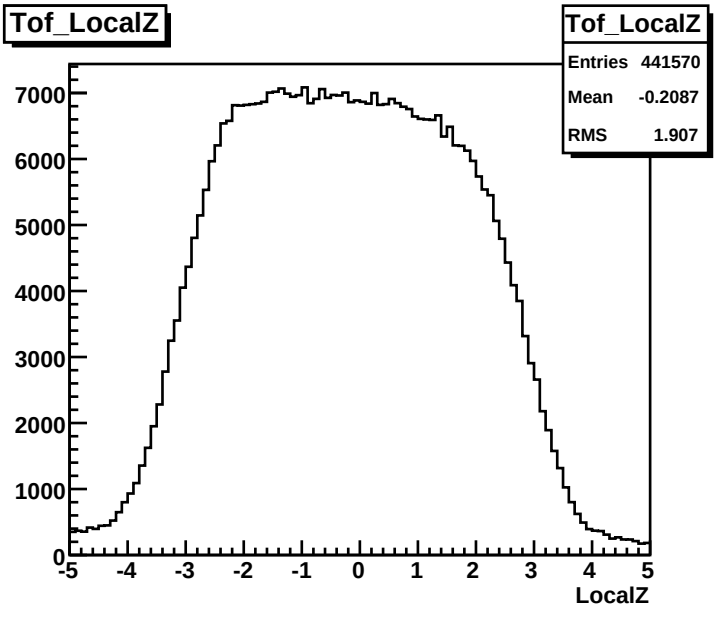

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

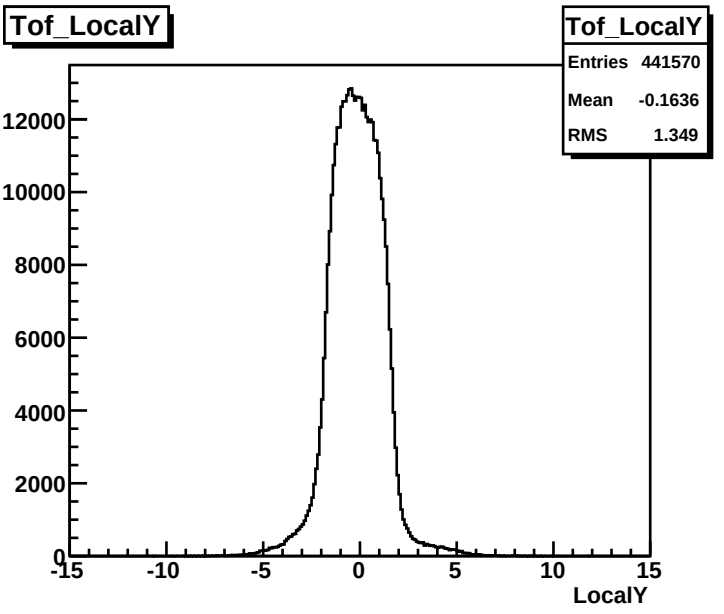

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

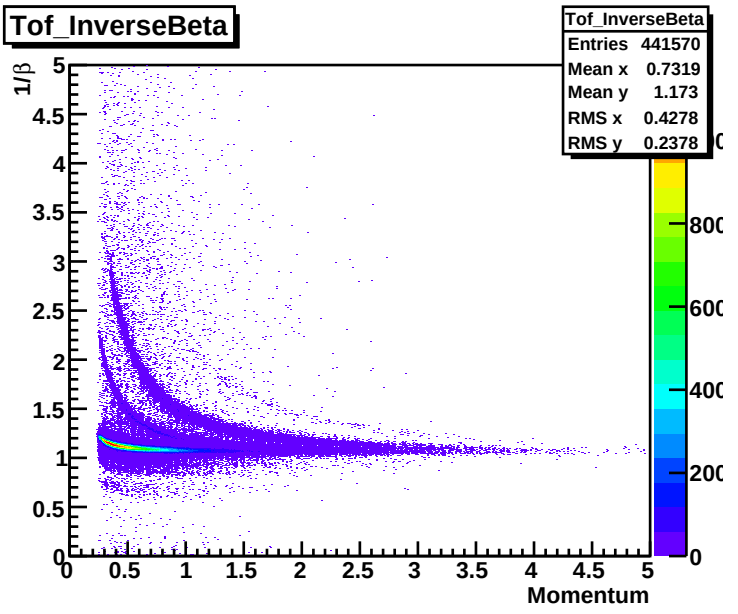

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

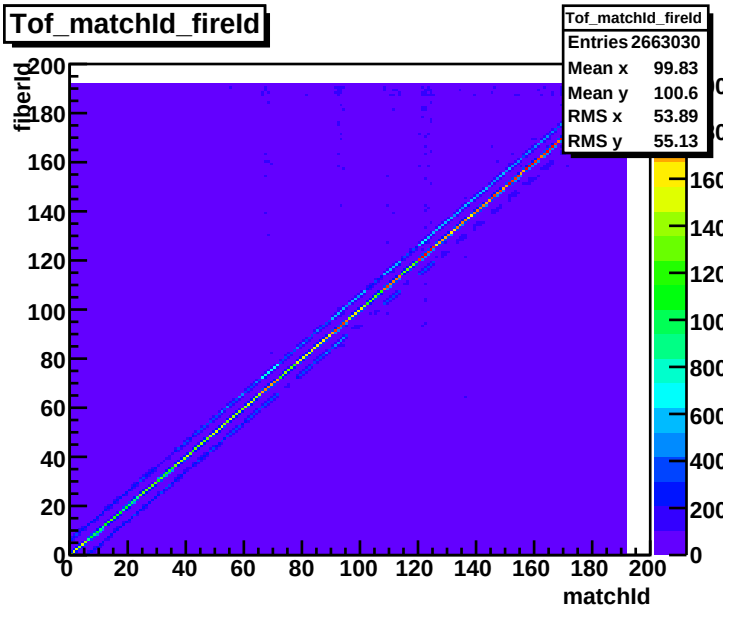

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

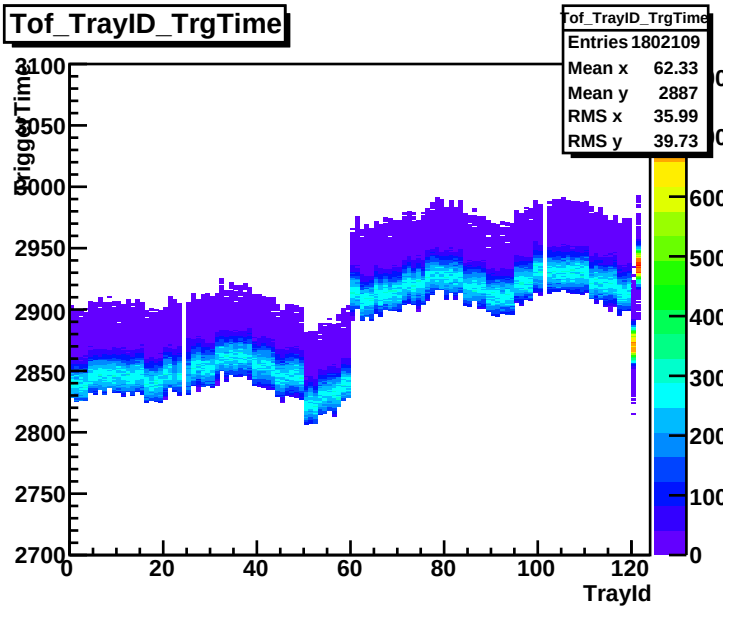

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

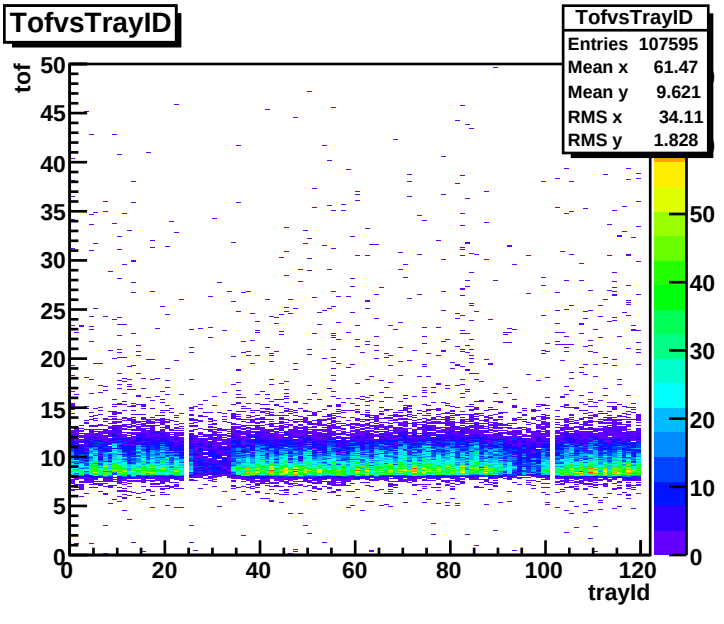

Tof_LocalZ
Tof_LocalZ
Entries 441570
Mean -0.2087
RMS 1.907
LocalZ

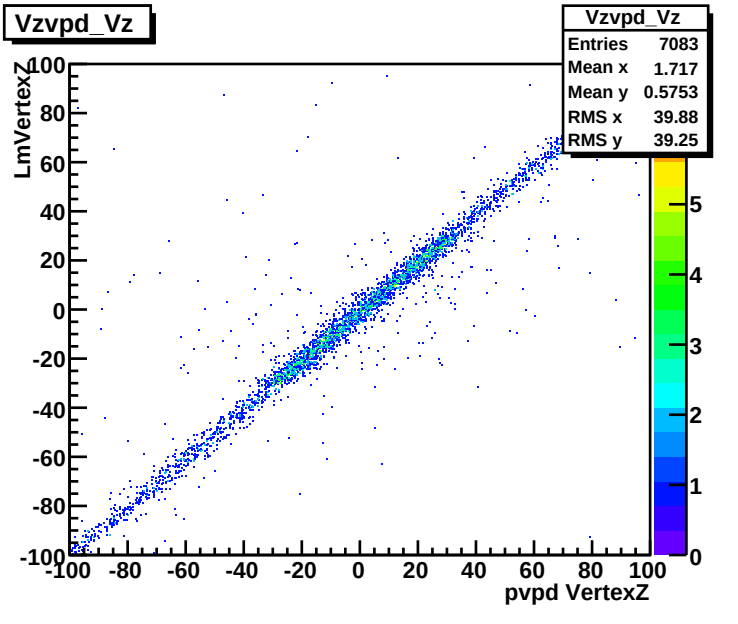

Tof_LocalY
Tof_LocalY
Entries 441570
Mean -0.1636
RMS 1.349
LocalY

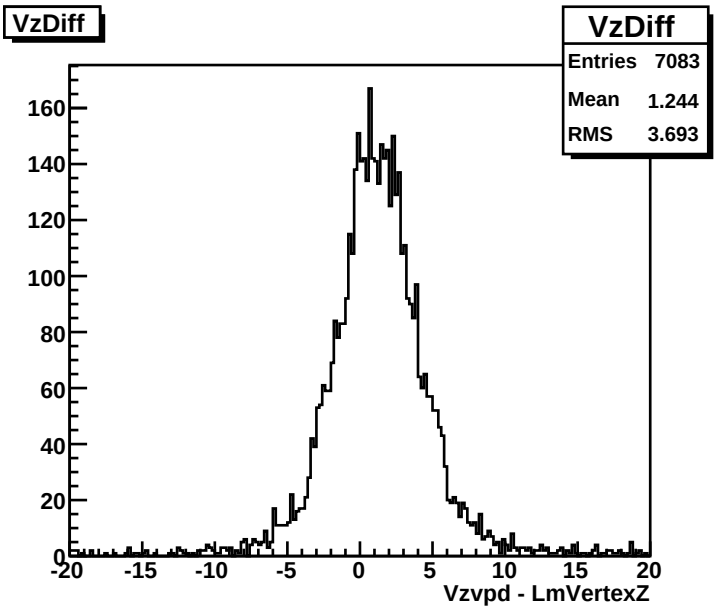

Tof_InverseBeta
Tof_InverseBeta
Entries 441570
Mean x 0.7319
Mean y 1.173
RMS x 0.4278
RMS y 0.2378
1/β
Momentum

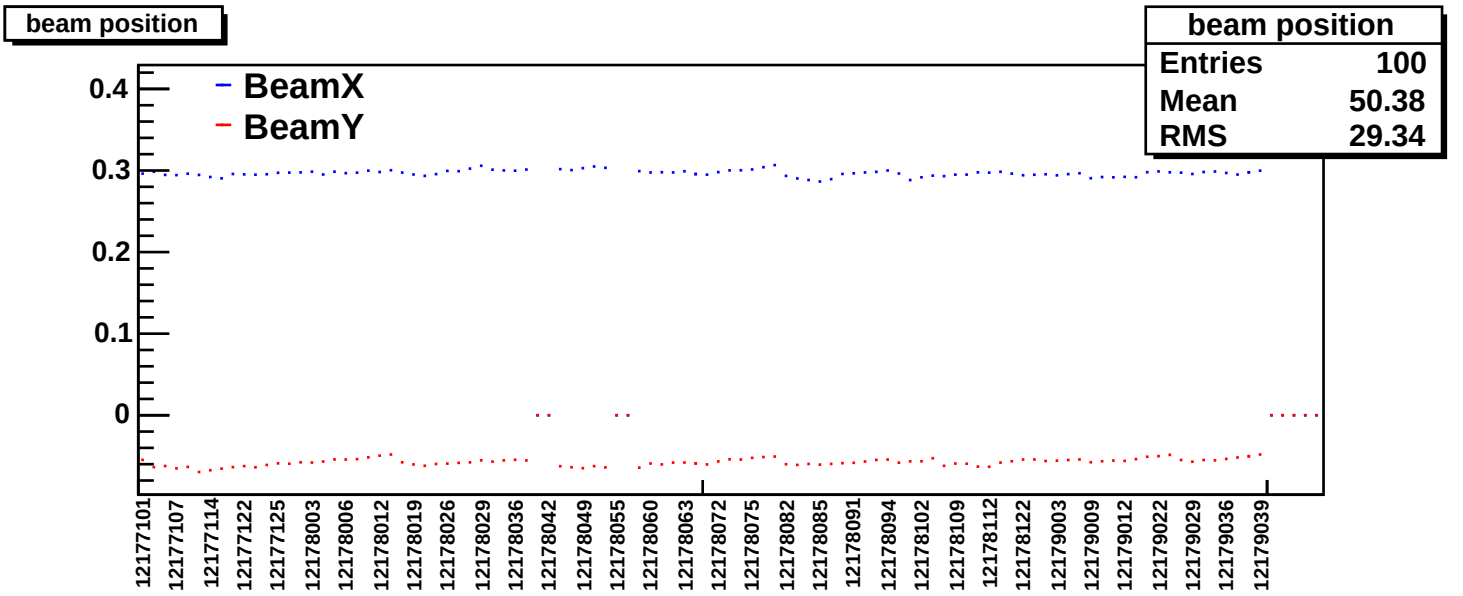

Tof_matchId_fireId
Tof_matchId_fireId
Entries 2663030
Mean x 99.83
Mean y 100.6
RMS x 53.89
RMS y 55.13
fiberId
matchId

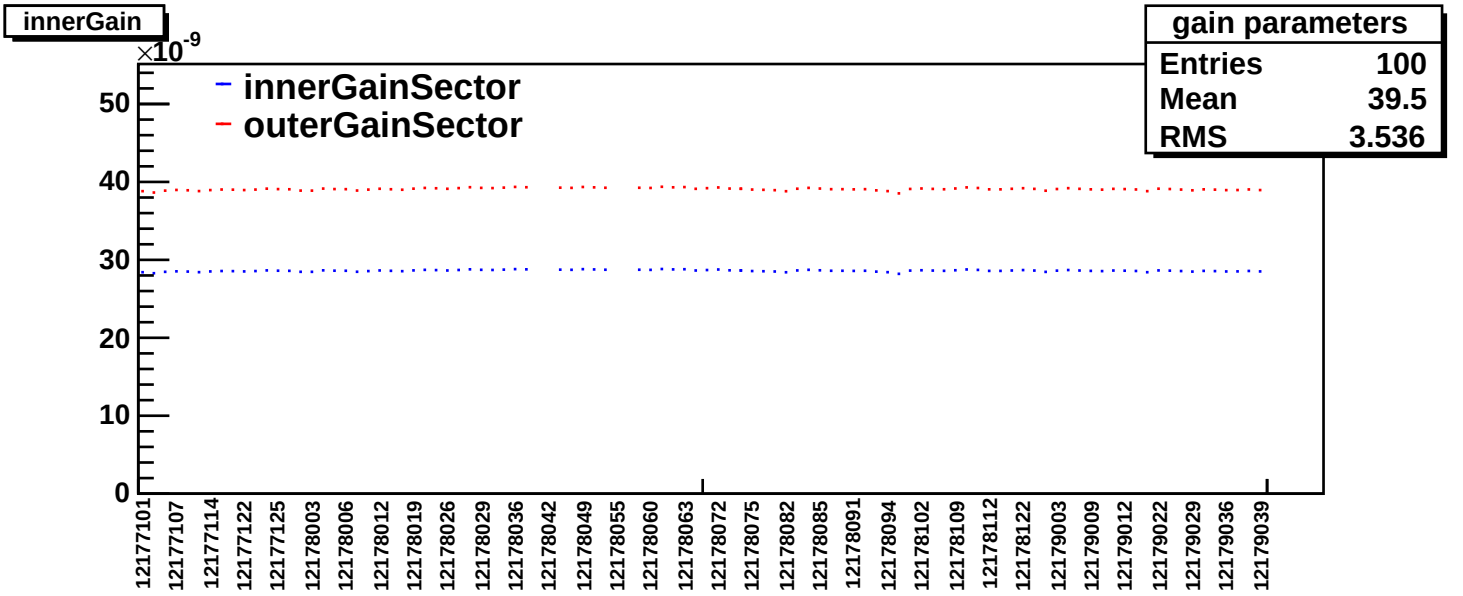

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 1802109
Mean x 62.33
Mean y 2887
RMS x 35.99
RMS y 39.73
TrayId

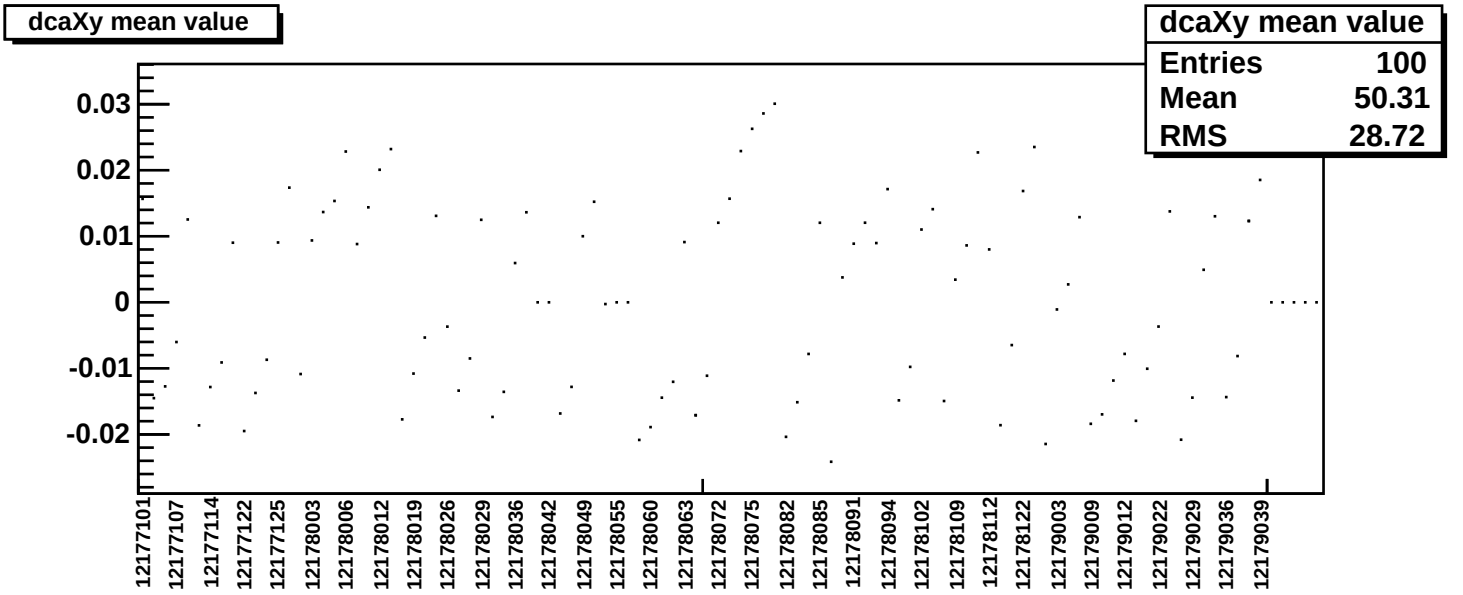

TofvsTrayID
TofvsTrayID
Entries 107595
Mean x 61.47
Mean y 9.621
RMS x 34.11
RMS y 1.828
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 7083
Mean x 1.717
Mean y 0.5753
RMS x 39.88
RMS y 39.25
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 7083
Mean 1.244
RMS 3.693
160
140
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 50.38
RMS 29.34
0.4
0.3
0.2
0.1
0
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 12179036 12179039


innerGain
×10^-9
innerGainSector
outerGainSector
gain parameters
Entries 100
Mean 39.5
RMS 3.536
50
40
30
20
10
0
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 12179036 12179039


dcaXy mean value
dcaXy mean value
Entries 100
Mean 50.31
RMS 28.72
0.03
0.02
0.01
0
-0.01
-0.02
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 12179036 12179039