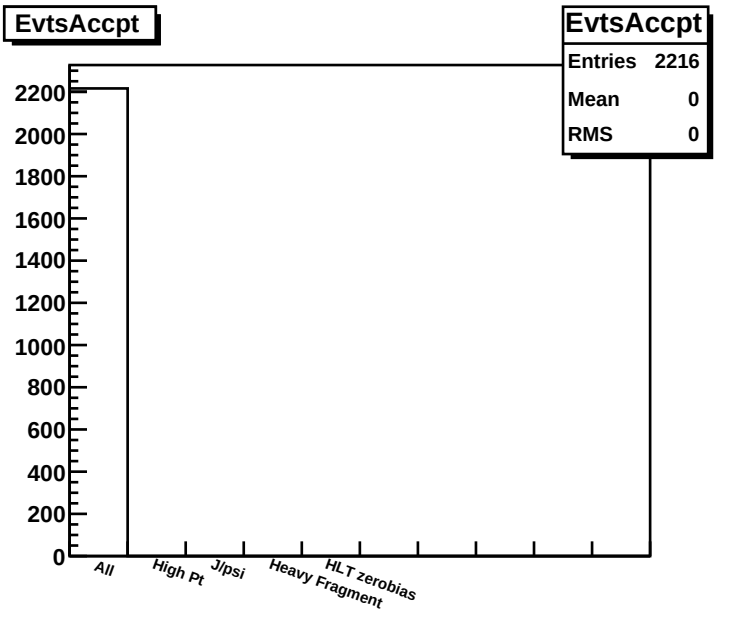
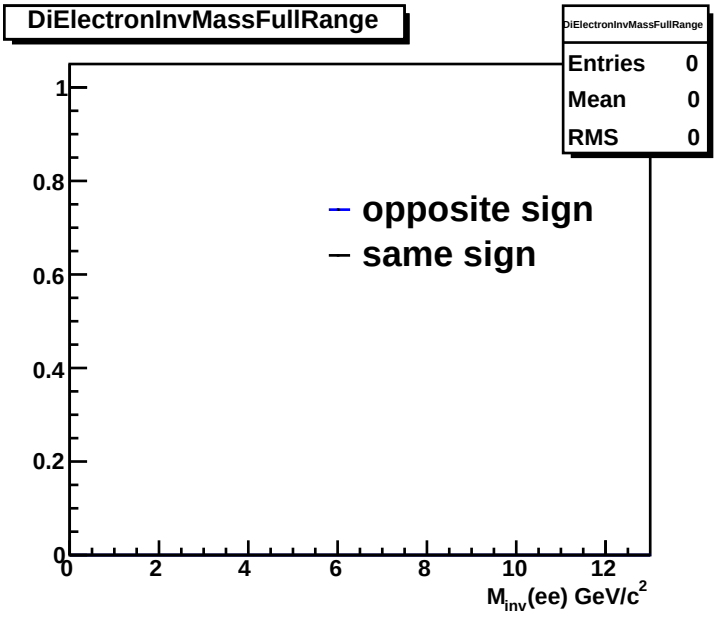
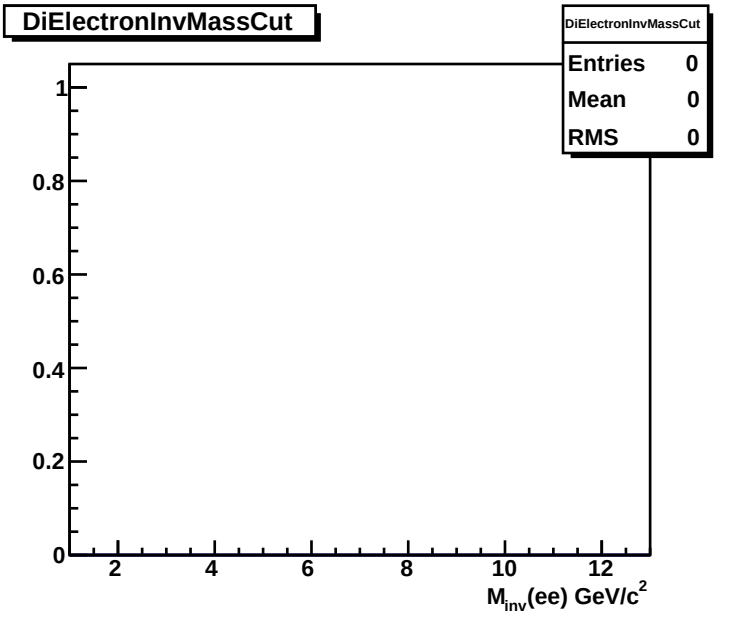
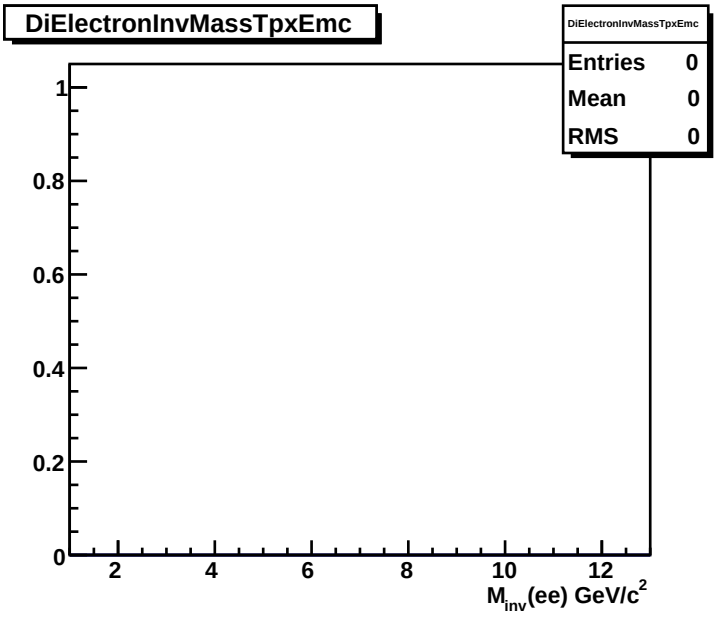
This file is produced on

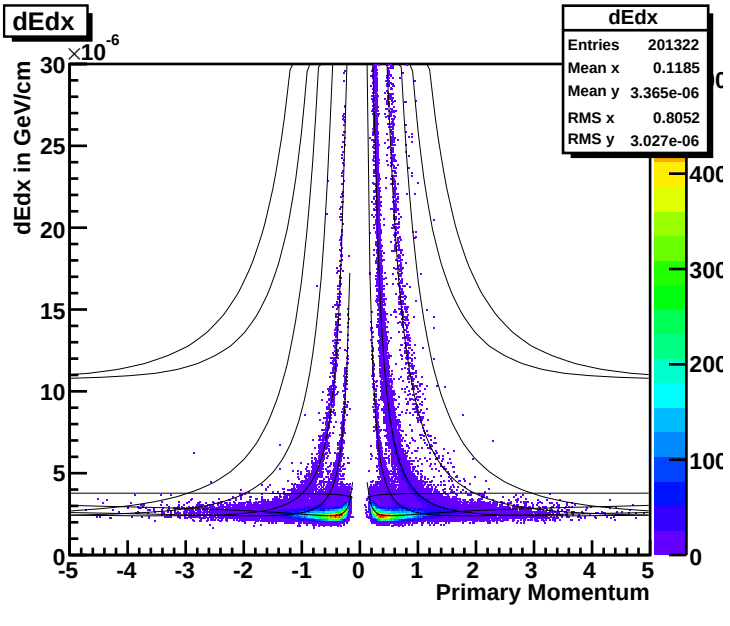
Sat Jun 25 18:09:53 2011

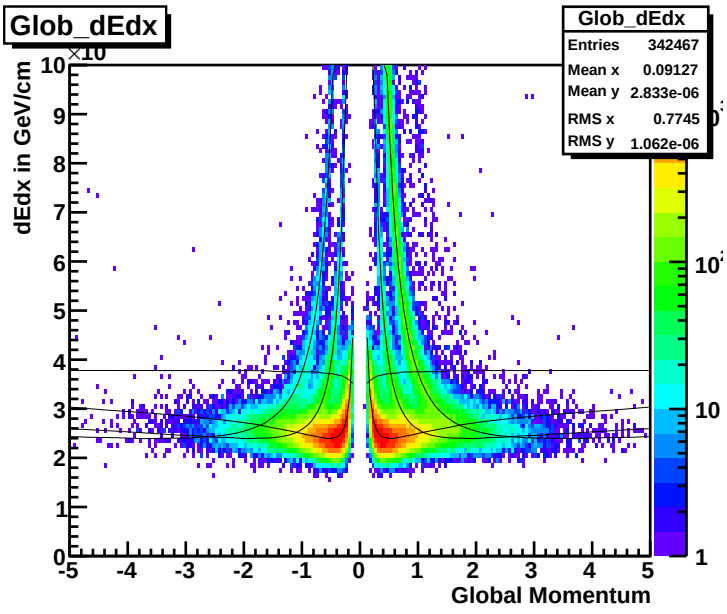


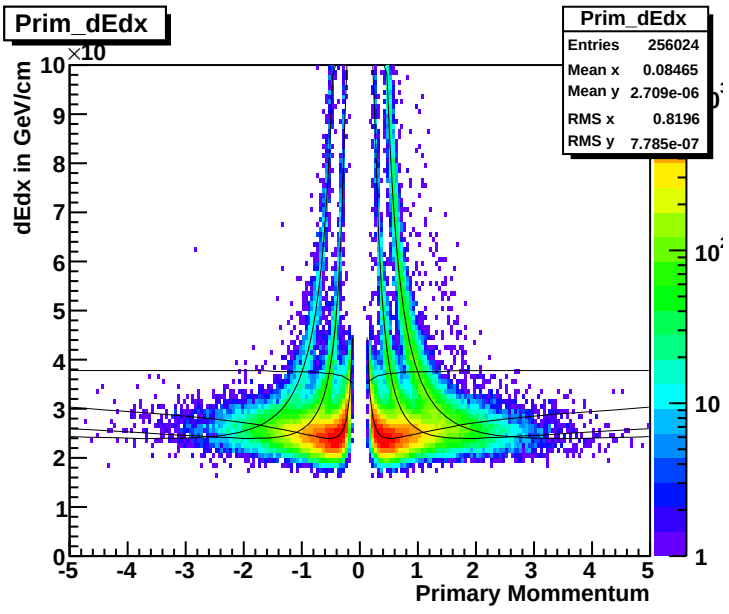


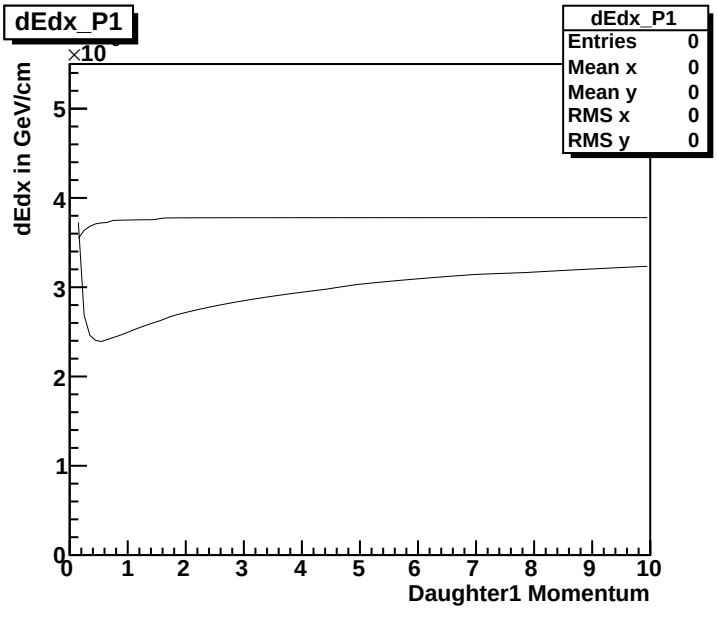


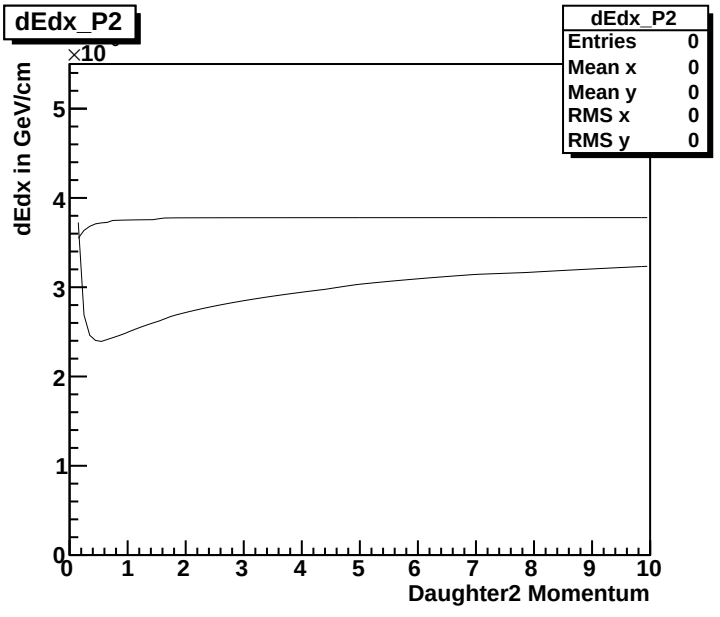


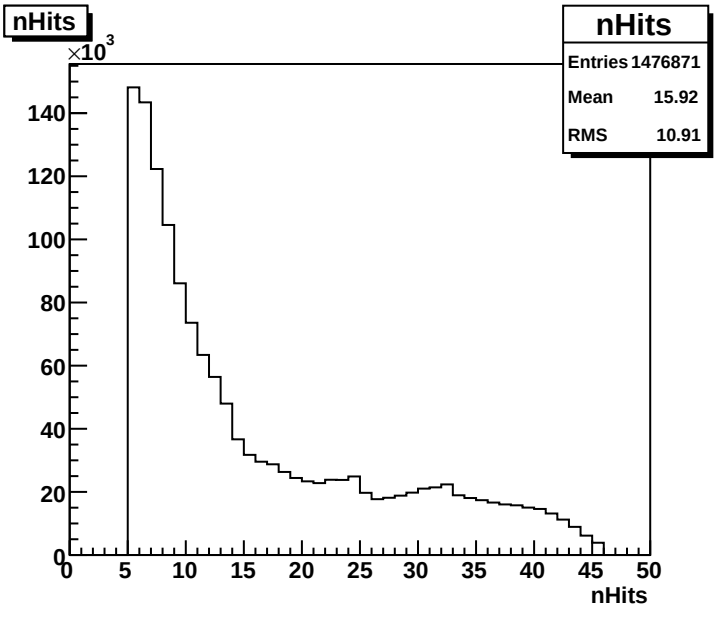


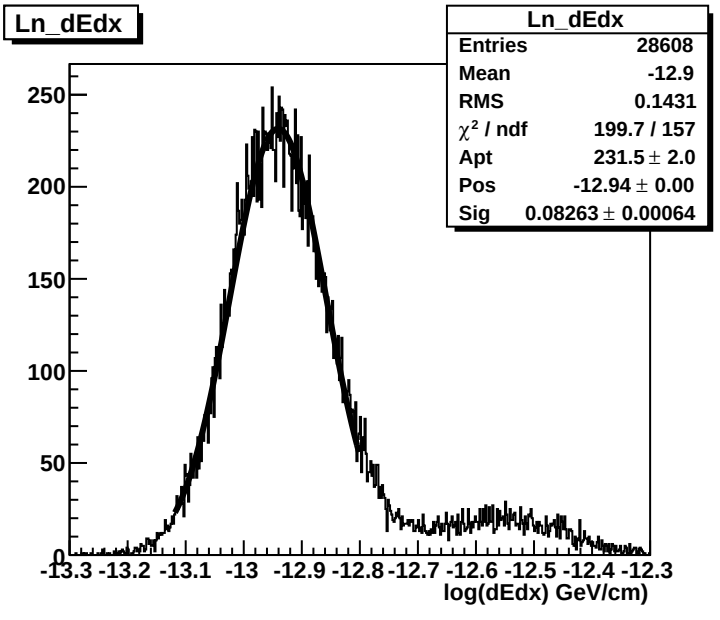

Glob_dEdx
Entries 342467
Mean x 0.09127
Mean y 2.833e-06
RMS x 0.7745
RMS y 1.062e-06
dEdx in GeV/cm
Global Momentum

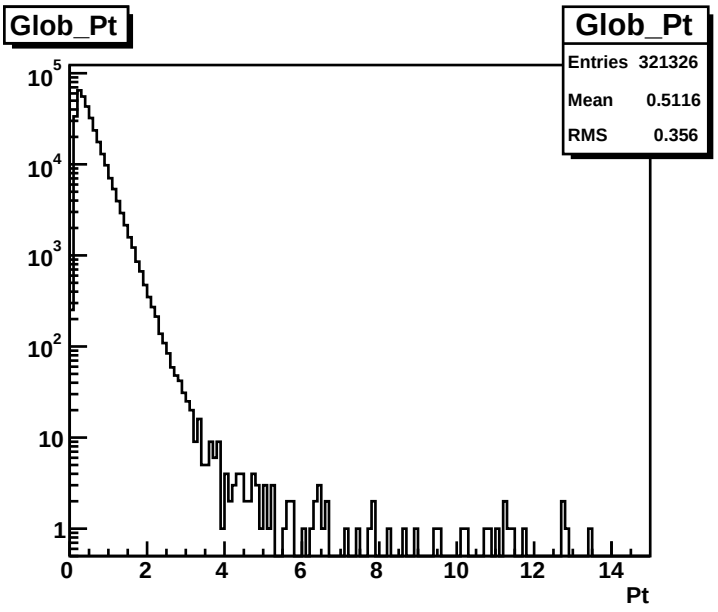

Prim_dEdx
Entries 256024
Mean x 0.08465
Mean y 2.709e-06
RMS x 0.8196
RMS y 7.785e-07
dEdx in GeV/cm
Primary Mommentum

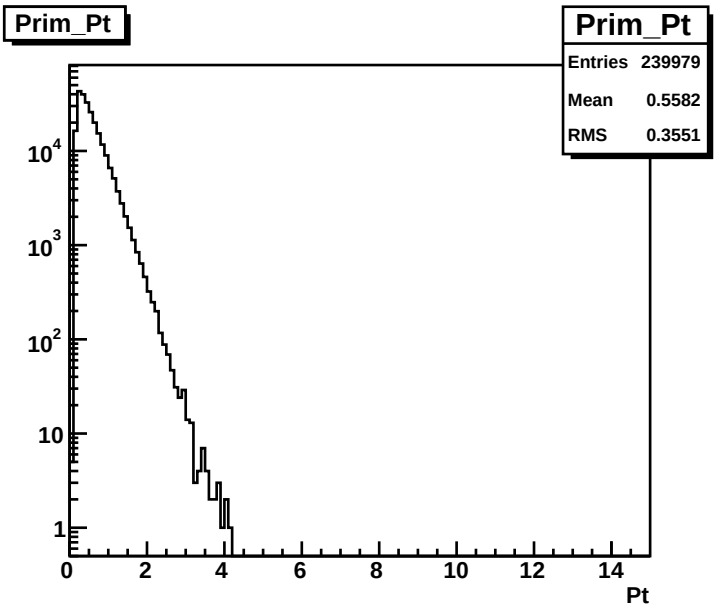

dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

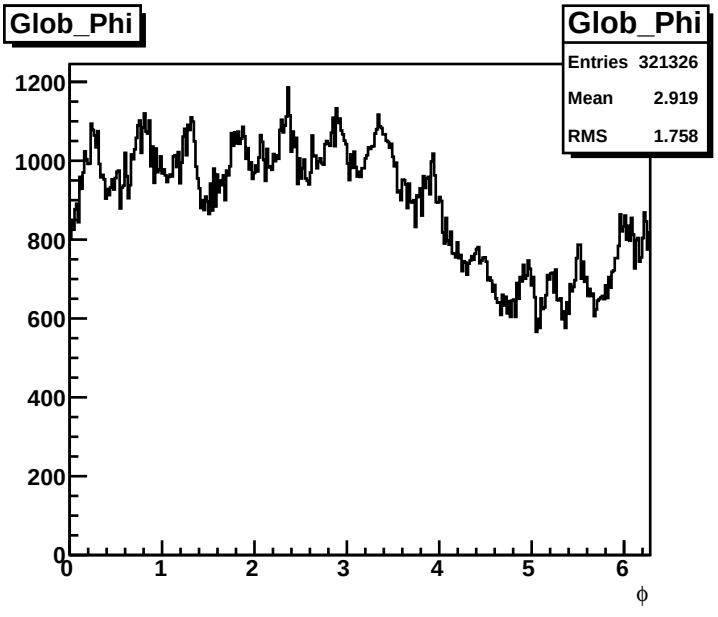

dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

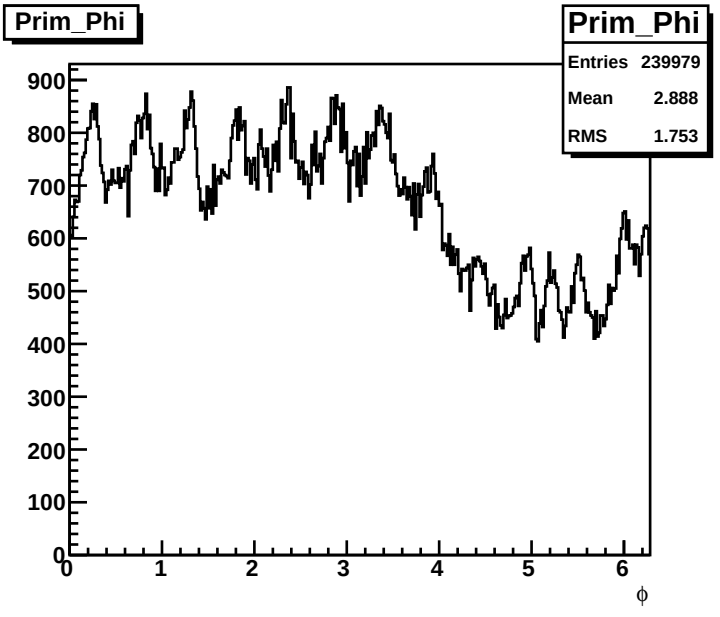

nHits
Entries 1476871
Mean 15.92
RMS 10.91
nHits

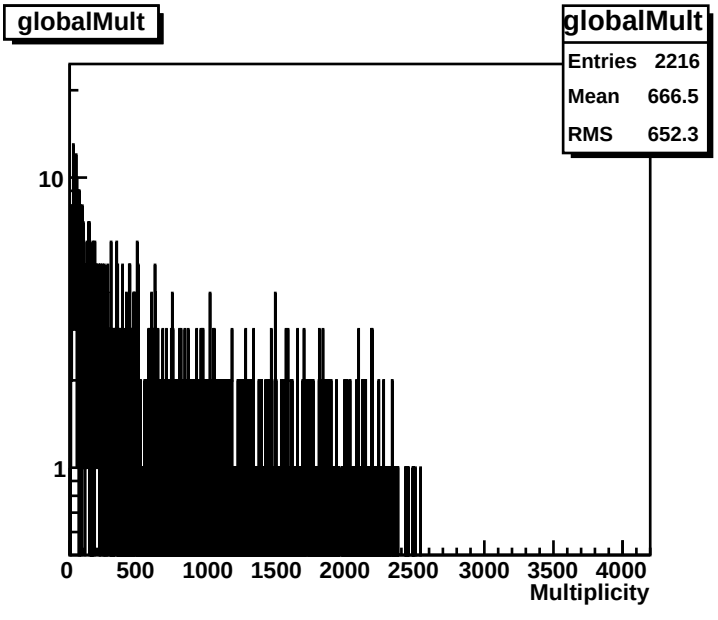

Ln_dEdx
Entries 28608
Mean -12.9
RMS 0.1431
χ² / ndf 199.7 / 157
Apt 231.5 ± 2.0
Pos -12.94 ± 0.00
Sig 0.08263 ± 0.00064
log(dEdx) GeV/cm)

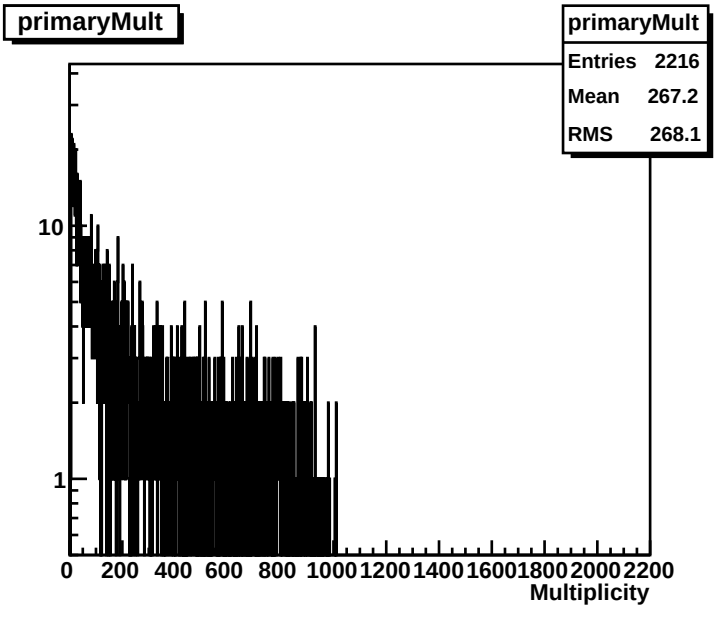

Glob_Pt
Glob_Pt
Entries 321326
Mean 0.5116
RMS 0.356
Pt

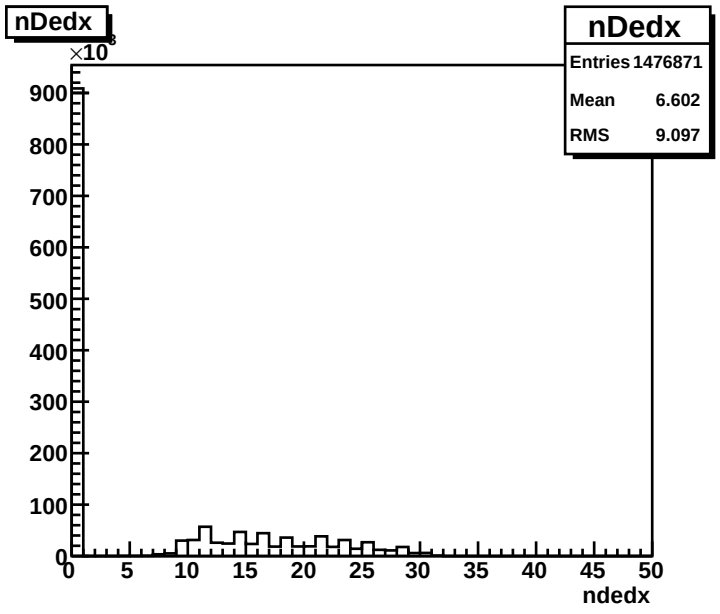

Prim_Pt
Prim_Pt
Entries 239979
Mean 0.5582
RMS 0.3551
Pt

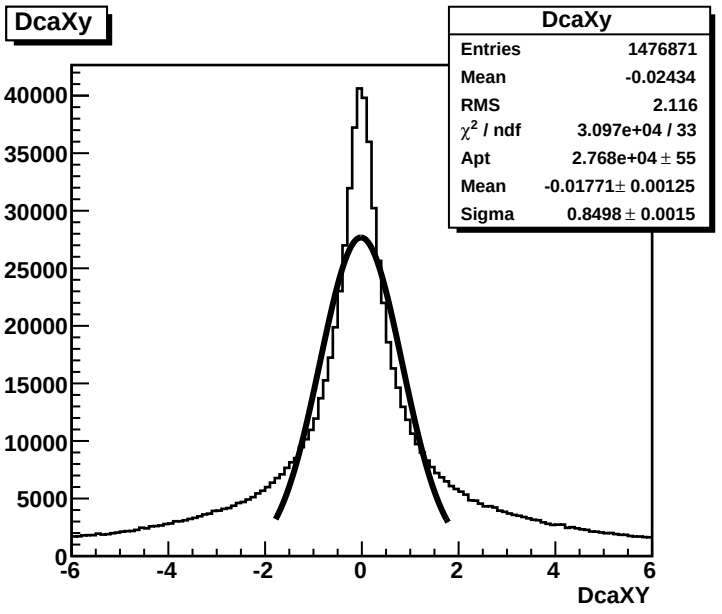

Glob_Phi
Glob_Phi
Entries 321326
Mean 2.919
RMS 1.758
ϕ

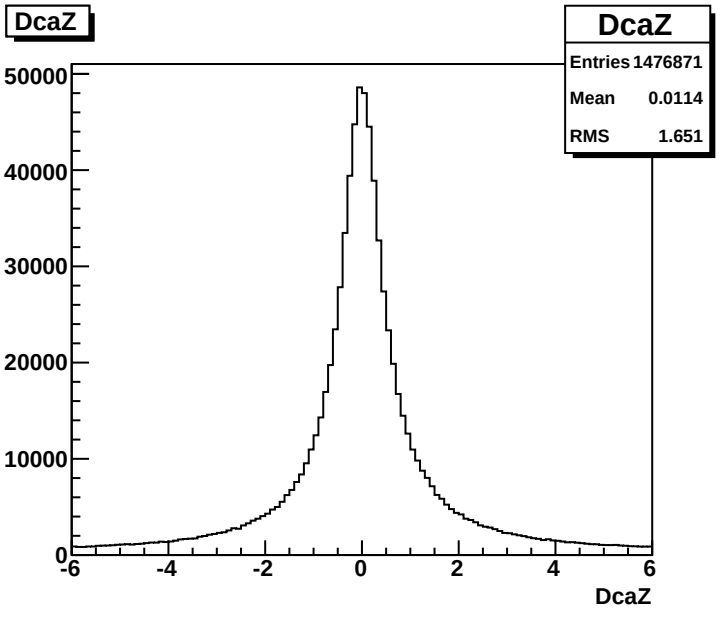

Prim_Phi
Prim_Phi
Entries 239979
Mean 2.888
RMS 1.753
ϕ

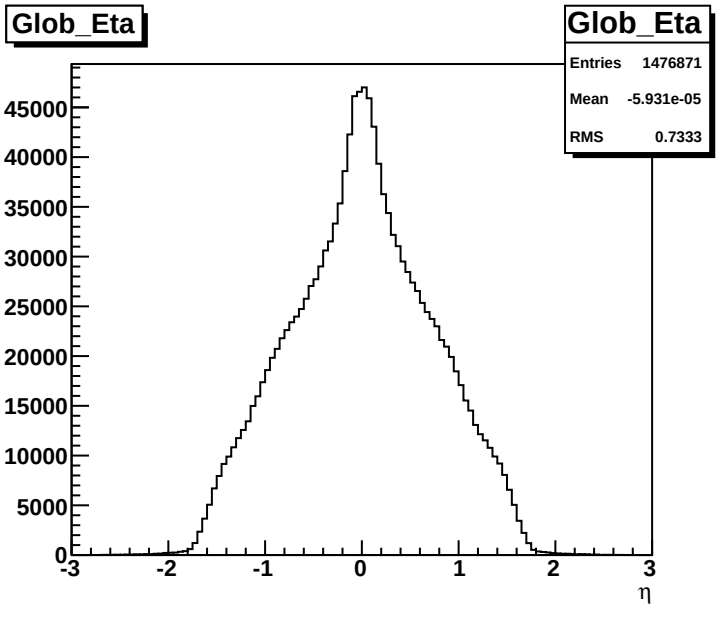

globalMult
globalMult
Entries 2216
Mean 666.5
RMS 652.3
Multiplicity

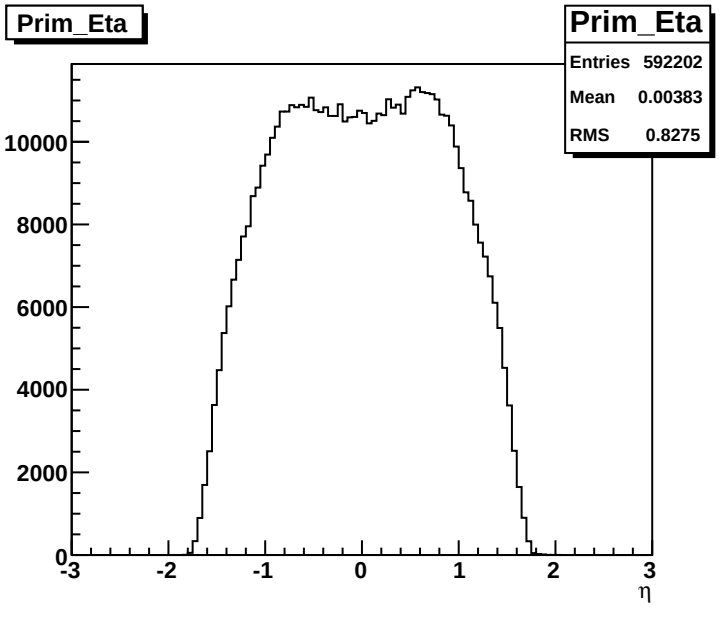

primaryMult
primaryMult
Entries 2216
Mean 267.2
RMS 268.1
Multiplicity

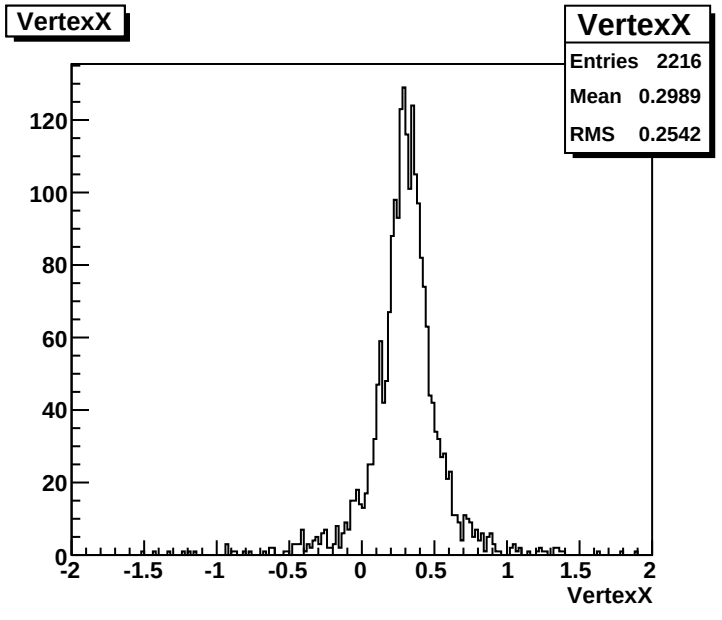

nDedx
nDedx
Entries 1476871
Mean 6.602
RMS 9.097
×10³
ndedx

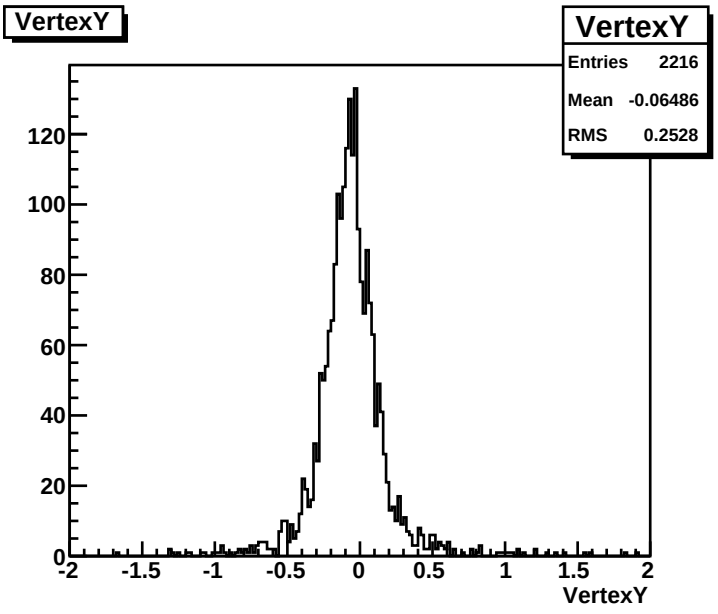

DcaXy
DcaXy
Entries 1476871
Mean -0.02434
RMS 2.116
χ² / ndf 3.097e+04 / 33
Apt 2.768e+04 ± 55
Mean -0.01771 ± 0.00125
Sigma 0.8498 ± 0.0015
DcaXY

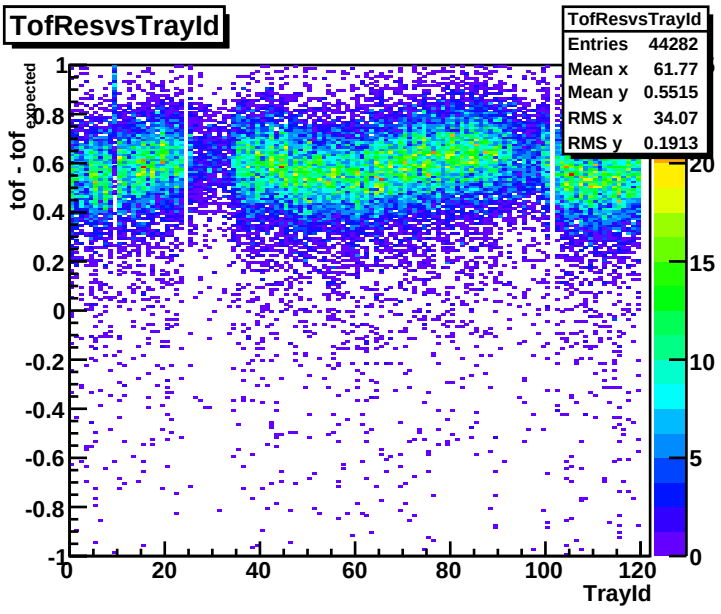

DcaZ
DcaZ
Entries 1476871
Mean 0.0114
RMS 1.651
DcaZ

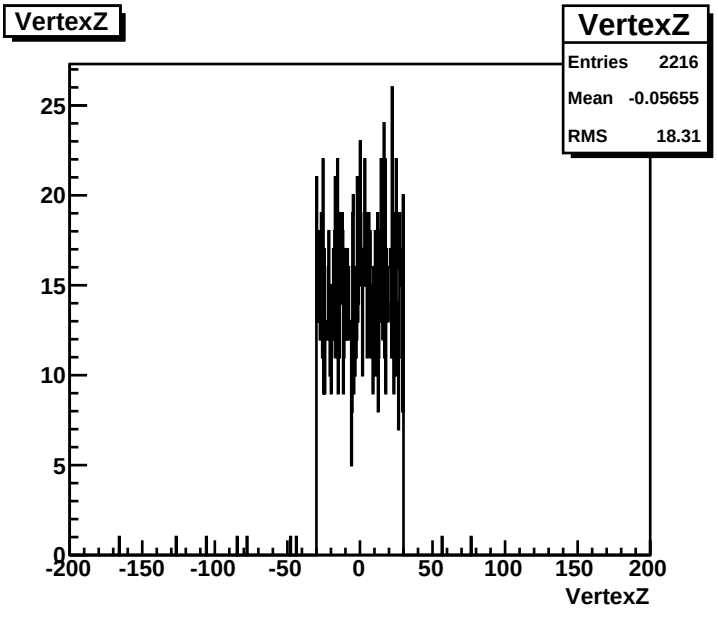

Glob_Eta
Glob_Eta
Entries 1476871
Mean -5.931e-05
RMS 0.7333
η

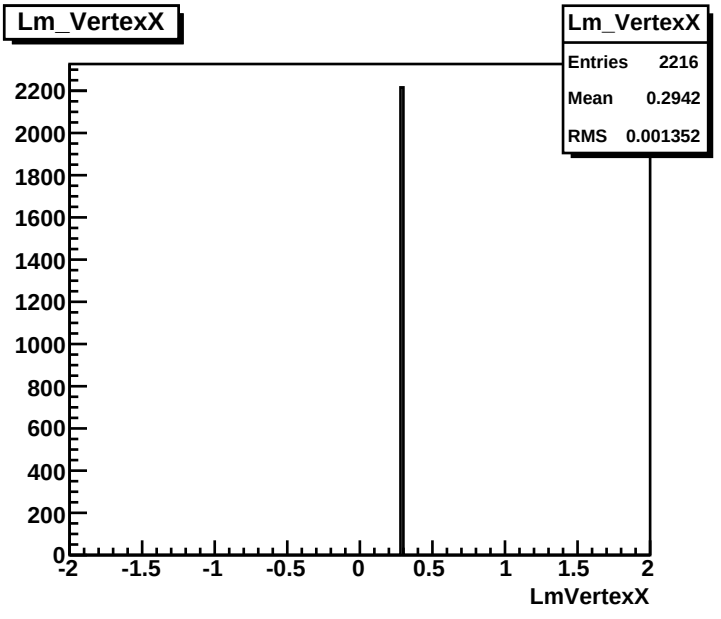

Prim_Eta
Prim_Eta
Entries 592202
Mean 0.00383
RMS 0.8275
η

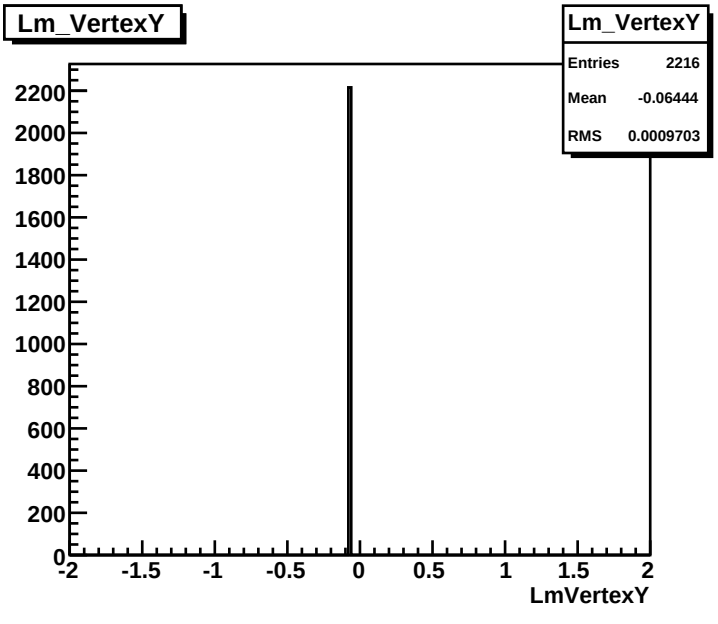

VertexX
VertexX
Entries 2216
Mean 0.2989
RMS 0.2542
VertexX

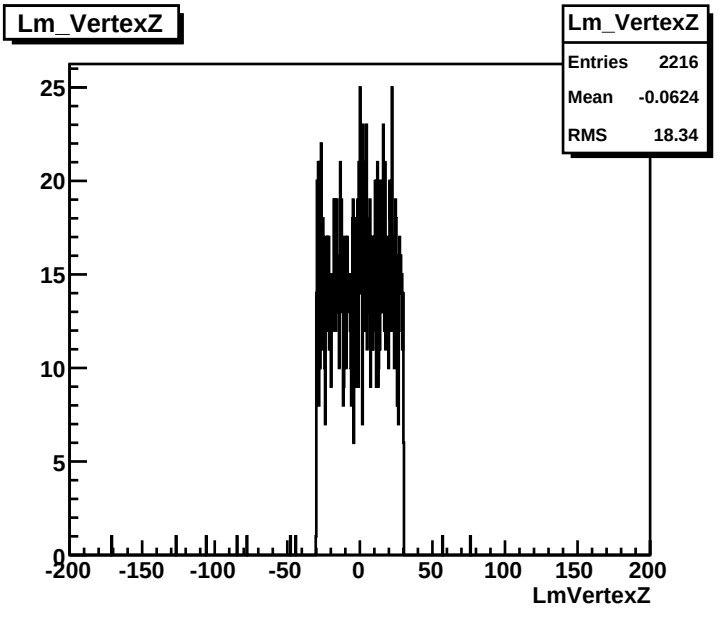

VertexY
VertexY
Entries 2216
Mean -0.06486
RMS 0.2528
VertexY

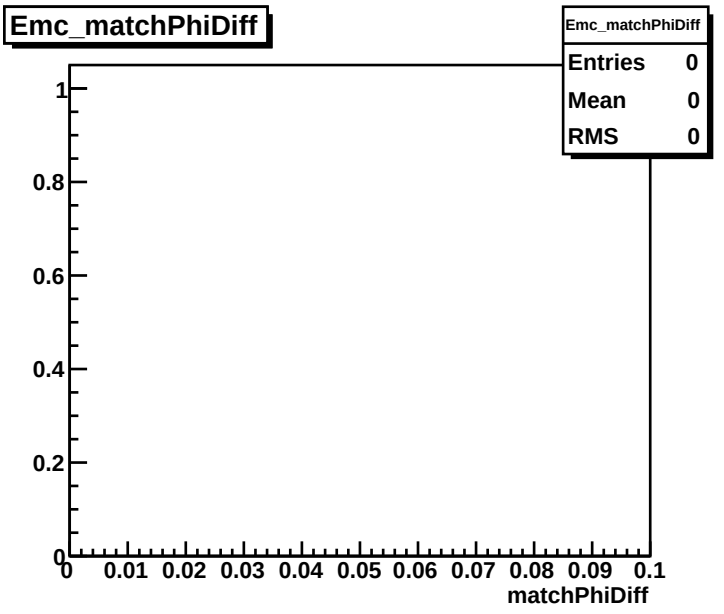

TofResvsTrayId
TofResvsTrayId
Entries 44282
Mean x 61.77
Mean y 0.5515
RMS x 34.07
RMS y 0.1913
tof - tof expected
TrayId

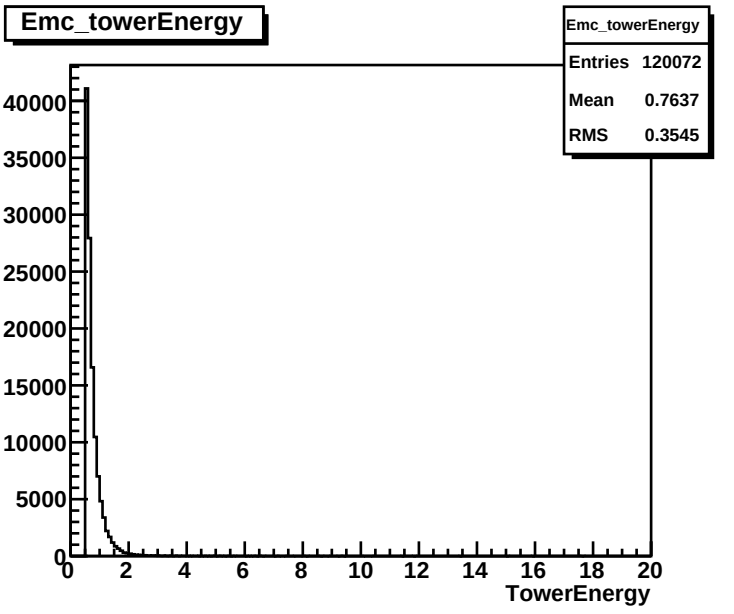

VertexZ
VertexZ
Entries 2216
Mean -0.05655
RMS 18.31
VertexZ

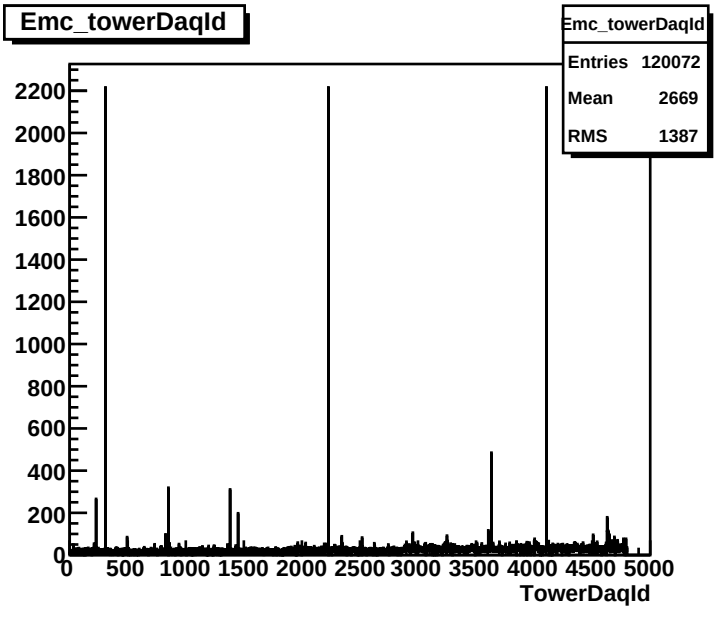

Lm_VertexX
Lm_VertexX
Entries 2216
Mean 0.2942
RMS 0.001352
LmVertexX

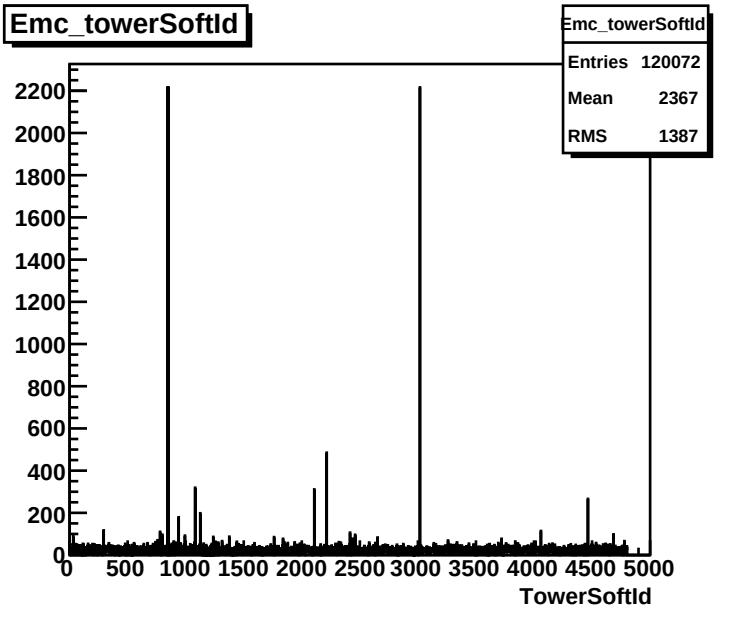

Lm_VertexY
Lm_VertexY
Entries 2216
Mean -0.06444
RMS 0.0009703
LmVertexY

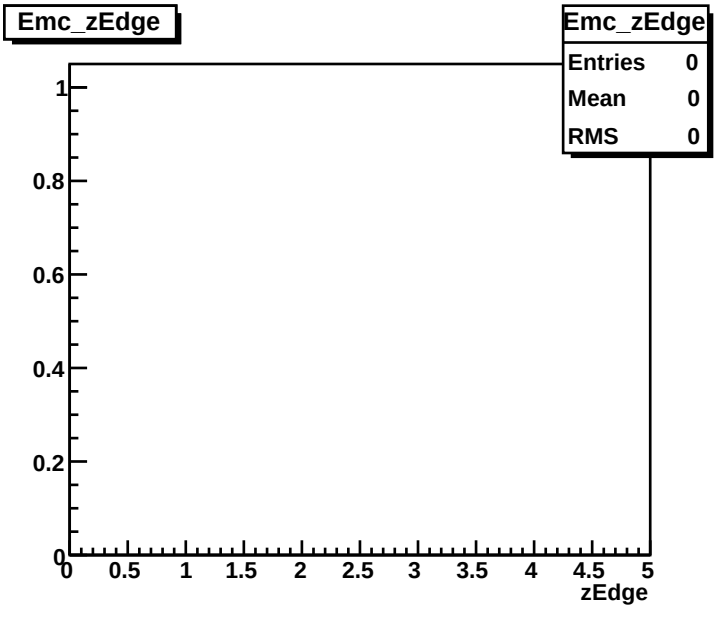

Lm_VertexZ
Lm_VertexZ
Entries 2216
Mean -0.0624
RMS 18.34
LmVertexZ

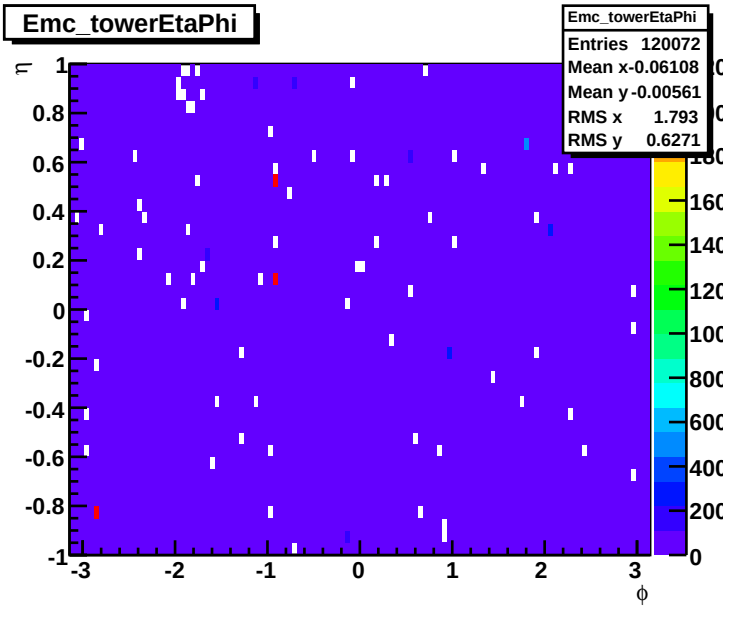

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

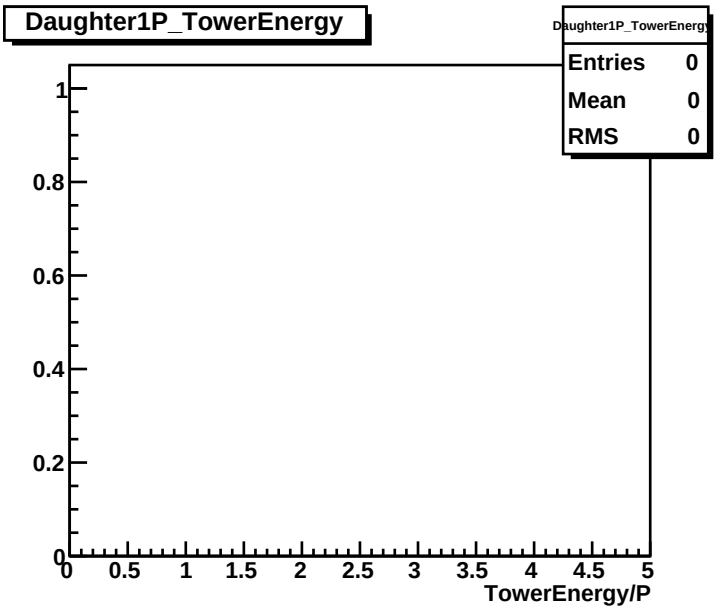

Emc_towerEnergy
Emc_towerEnergy
Entries 120072
Mean 0.7637
RMS 0.3545
TowerEnergy

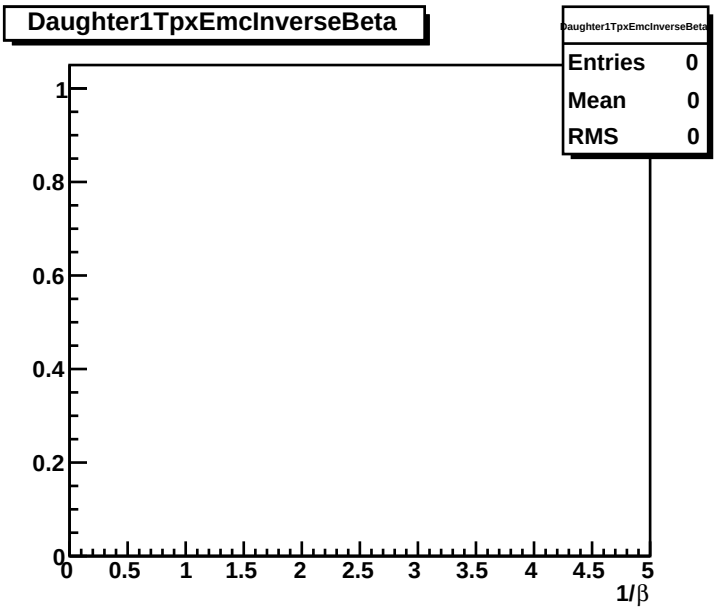

Emc_towerDaqId
Emc_towerDaqId
Entries 120072
Mean 2669
RMS 1387
TowerDaqId

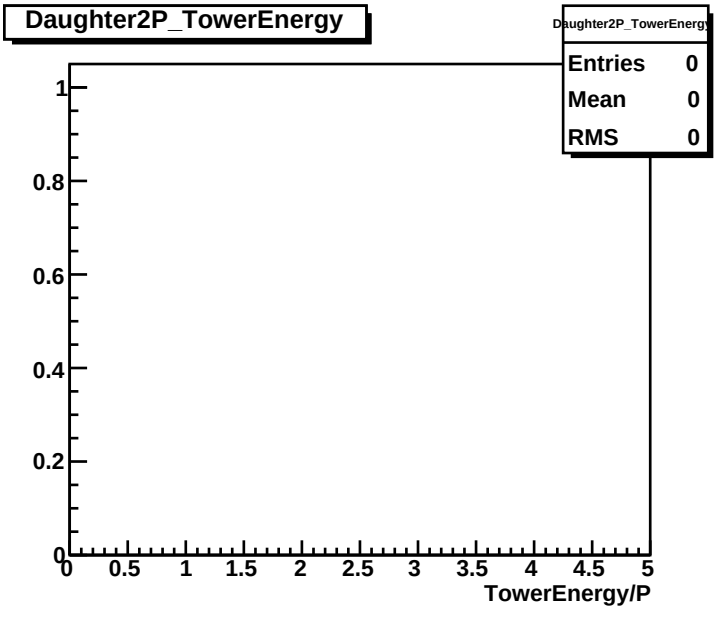

Emc_towerSoftId
Emc_towerSoftId
Entries 120072
Mean 2367
RMS 1387
TowerSoftId

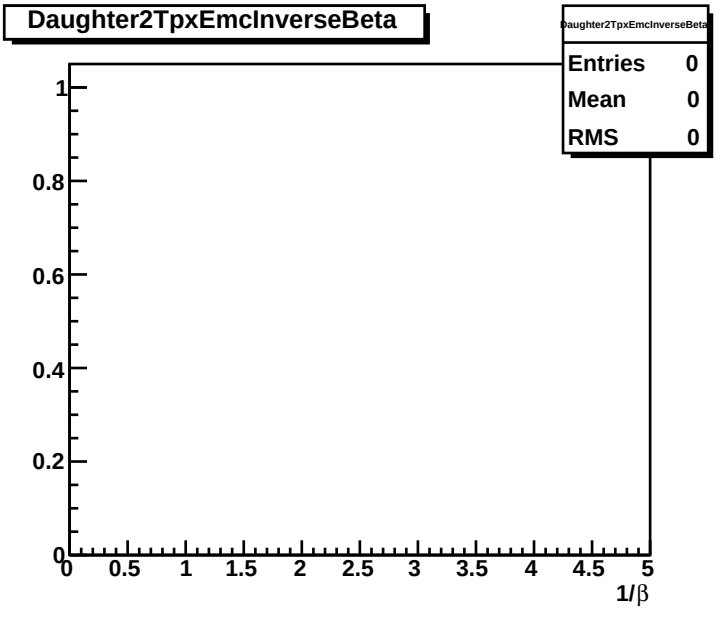

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

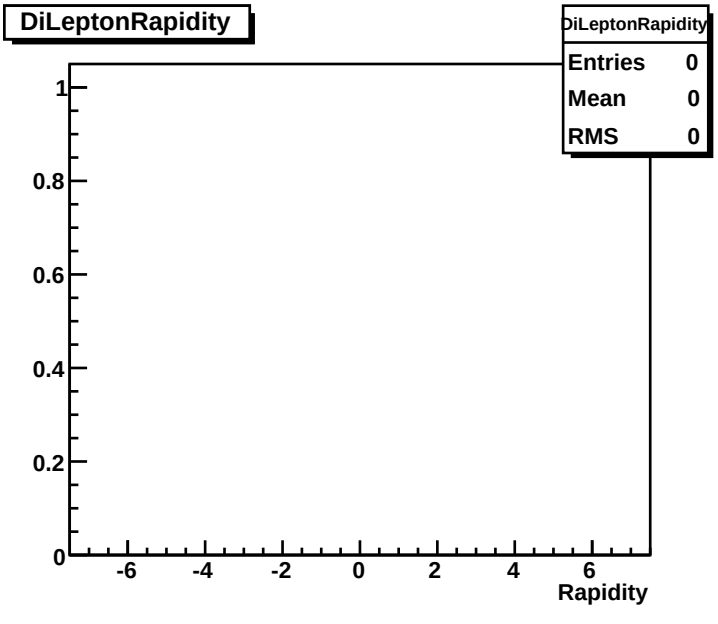

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 120072
Mean x -0.06108
Mean y -0.00561
RMS x 1.793
RMS y 0.6271
η
ϕ

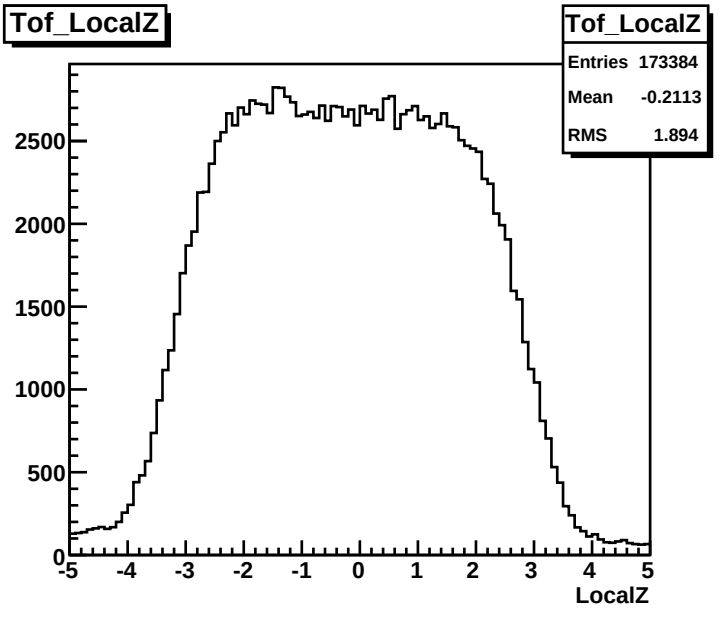

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

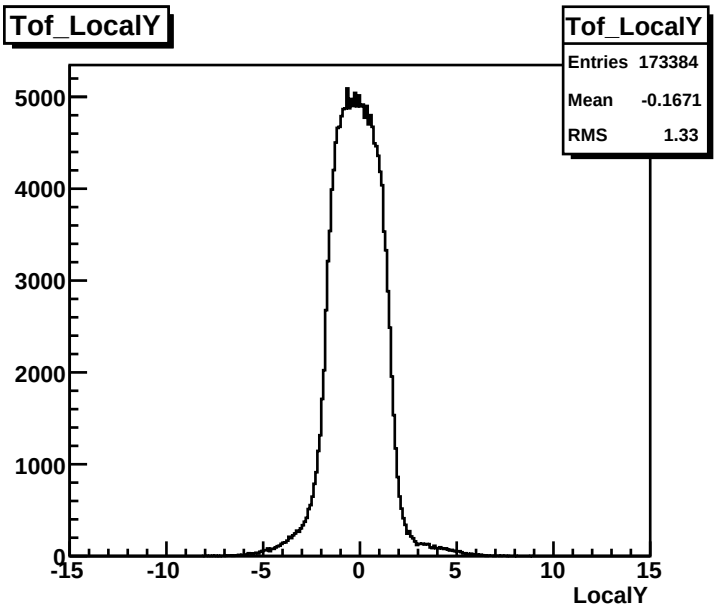

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

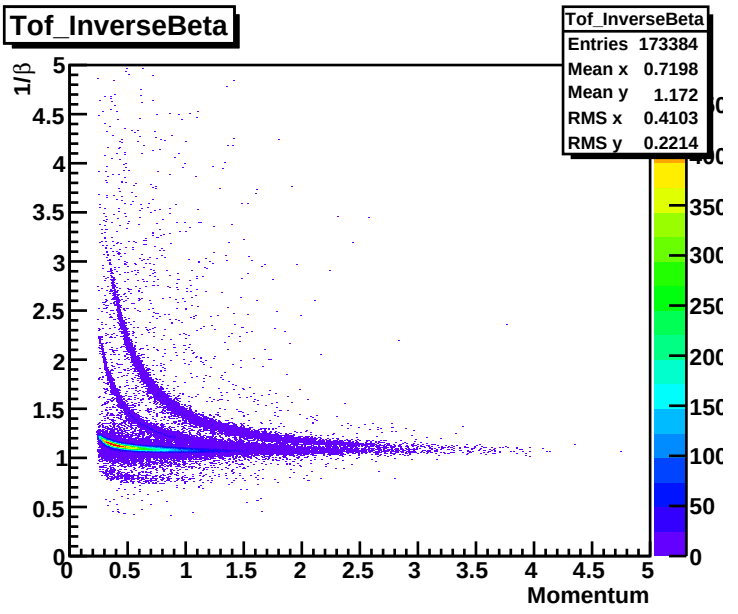

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

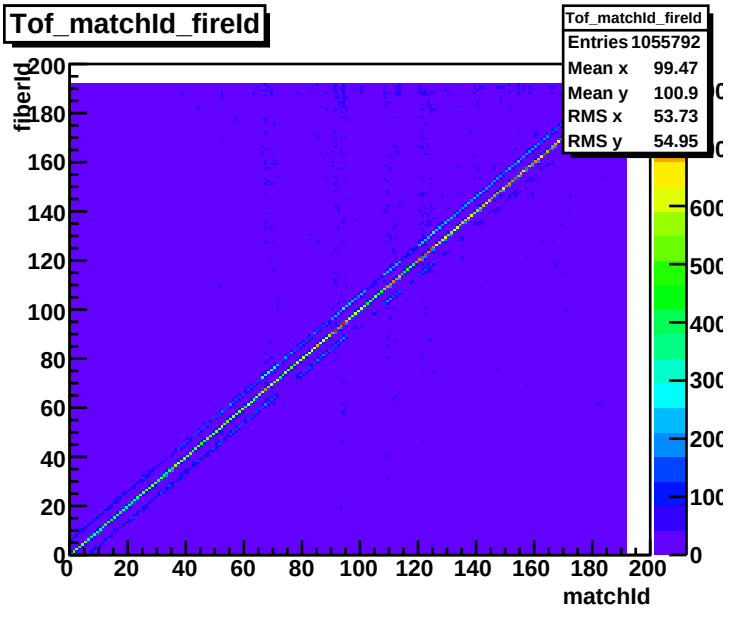

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

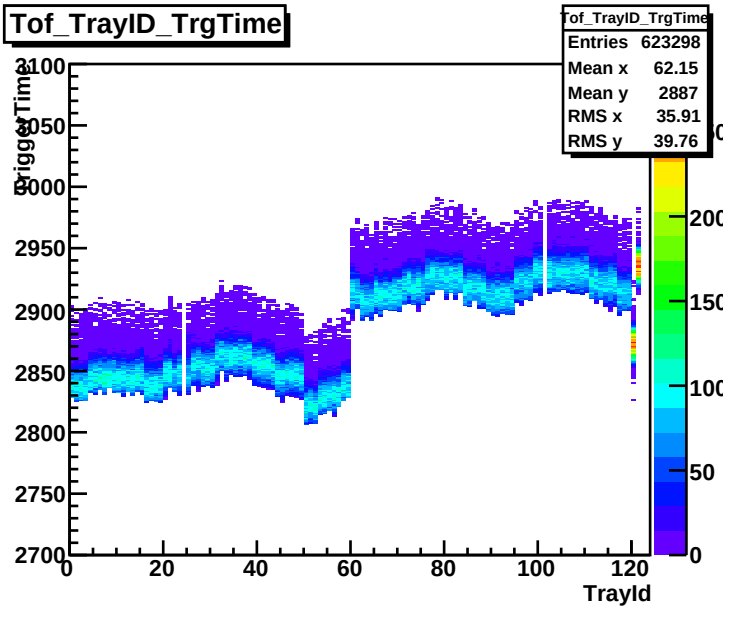

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

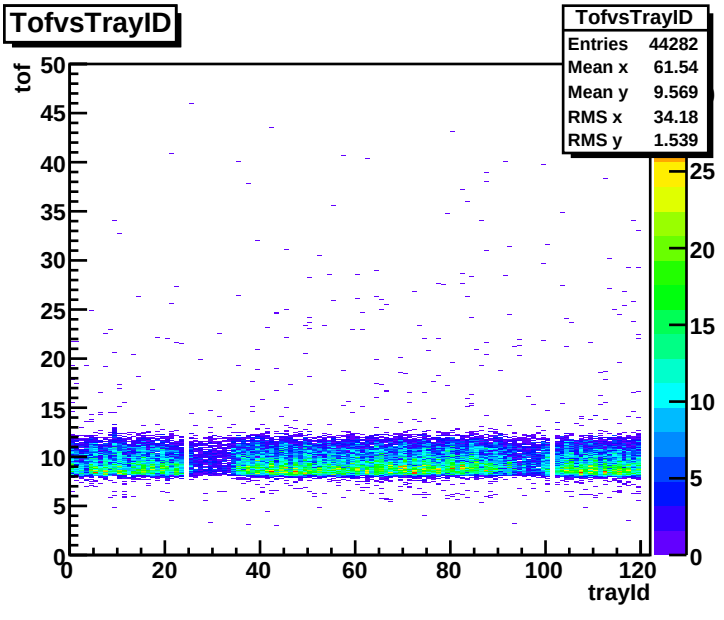

Tof_LocalZ
Tof_LocalZ
Entries 173384
Mean -0.2113
RMS 1.894
LocalZ

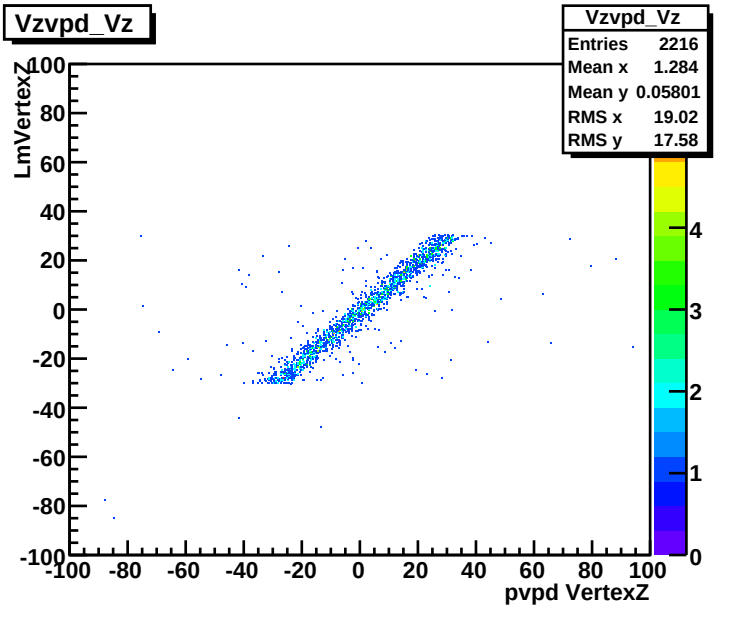

Tof_LocalY
Tof_LocalY
Entries 173384
Mean -0.1671
RMS 1.33
LocalY

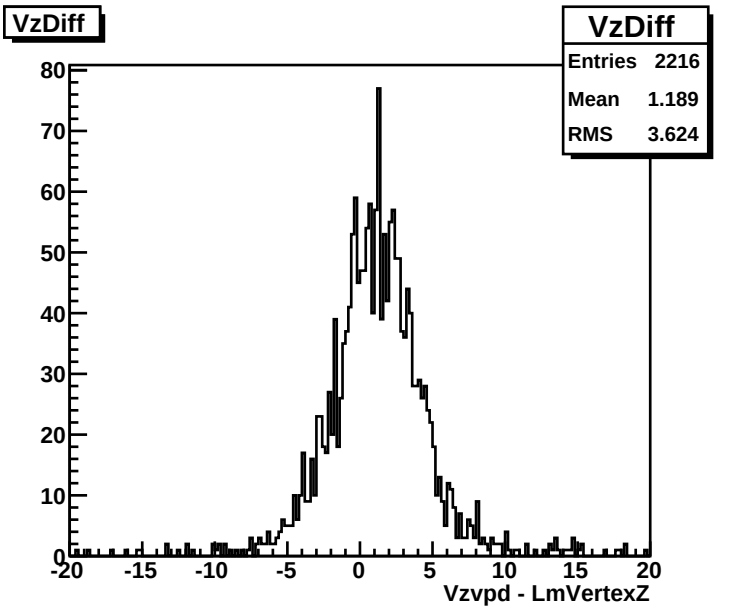

Tof_InverseBeta
Tof_InverseBeta
Entries 173384
Mean x 0.7198
Mean y 1.172
RMS x 0.4103
RMS y 0.2214
1/β
Momentum

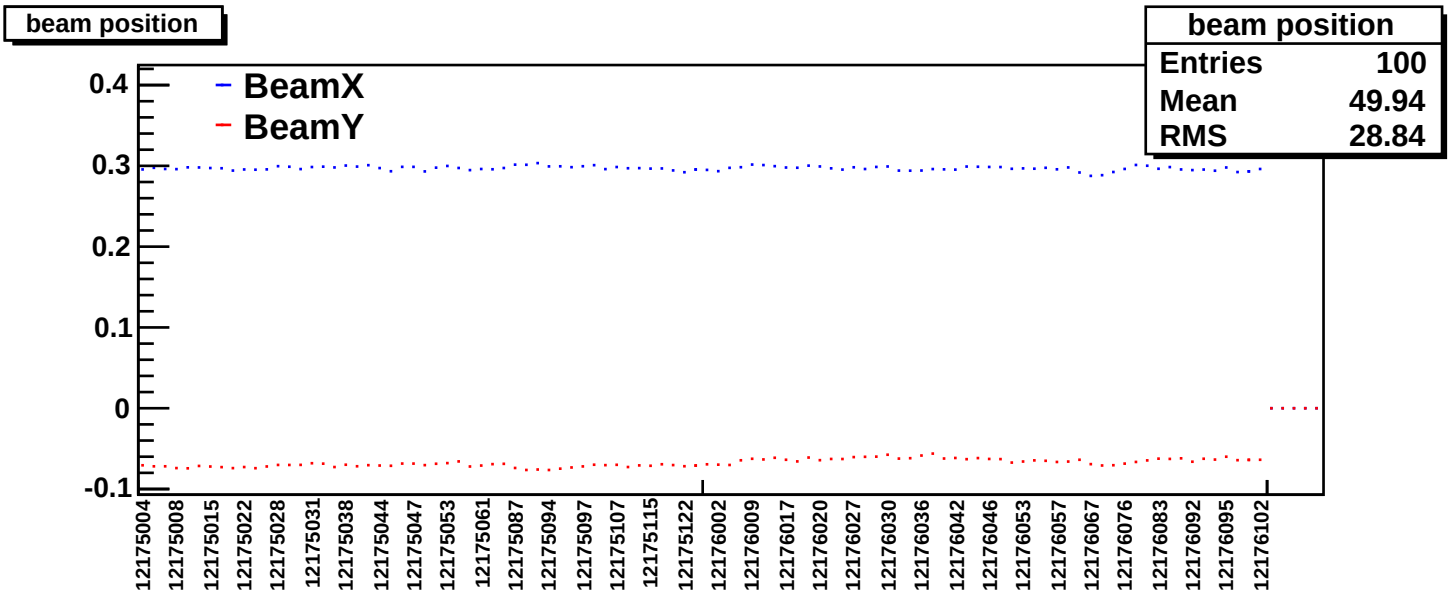

Tof_matchId_fireId
Tof_matchId_fireId
Entries 1055792
Mean x 99.47
Mean y 100.9
RMS x 53.73
RMS y 54.95
fiberId
matchId

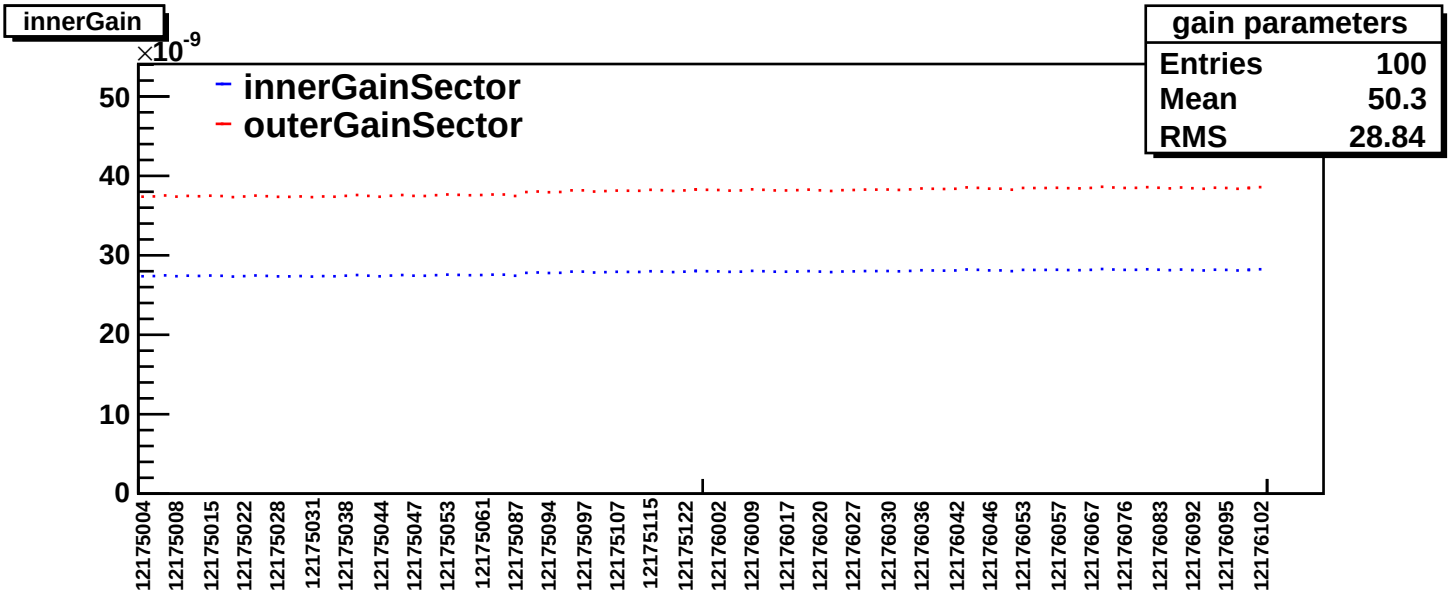

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 623298
Mean x 62.15
Mean y 2887
RMS x 35.91
RMS y 39.76
TrayId

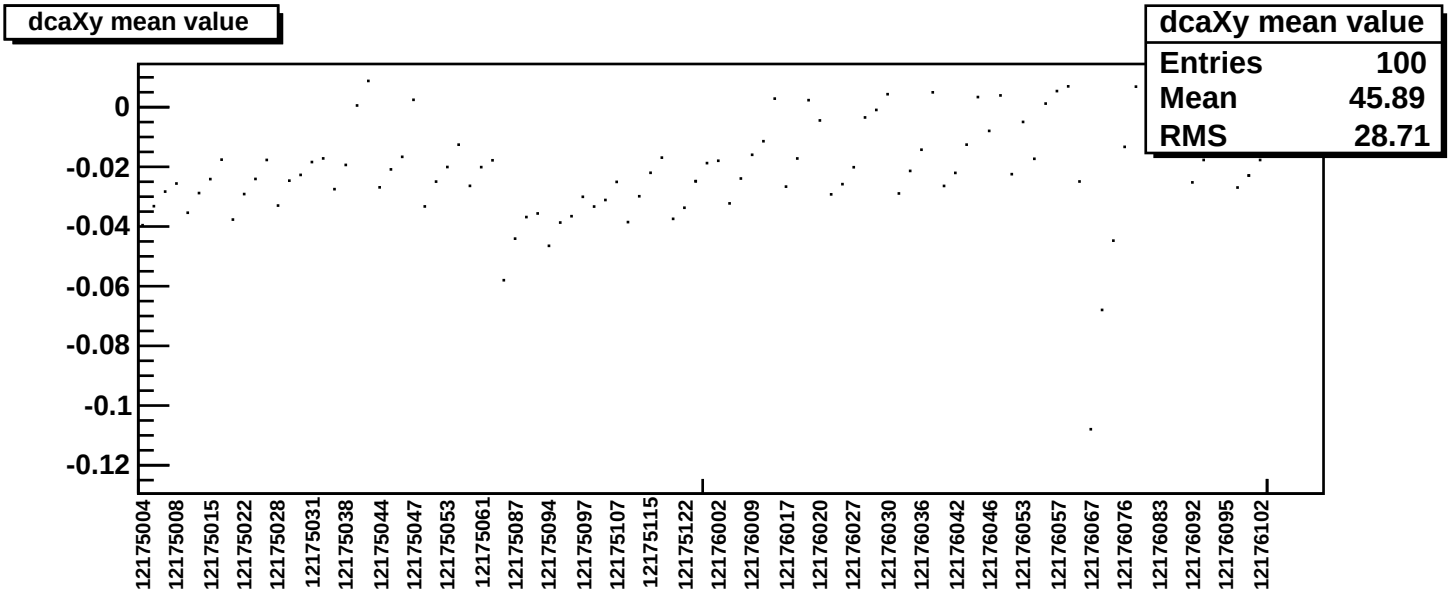

TofvsTrayID
TofvsTrayID
Entries 44282
Mean x 61.54
Mean y 9.569
RMS x 34.18
RMS y 1.539
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 2216
Mean x 1.284
Mean y 0.05801
RMS x 19.02
RMS y 17.58
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 2216
Mean 1.189
RMS 3.624
80
70
60
50
40
30
20
10
0
-20
-15
-10
-5
0
5
10
15
20
Vzvpd - LmVertexZ


beam position
beam position
Entries 100
Mean 49.94
RMS 28.84
BeamX
BeamY
0.4
0.3
0.2
0.1
0
-0.1
12175004 12175008 12175015 12175022 12175028 12175031 12175038 12175044 12175047 12175053 12175061 12175087 12175094 12175097 12175107 12175115 12175122 12176002 12176009 12176017 12176020 12176027 12176030 12176036 12176042 12176046 12176053 12176057 12176067 12176076 12176083 12176092 12176095 12176102


innerGain
gain parameters
Entries 100
Mean 50.3
RMS 28.84
×10^-9
innerGainSector
outerGainSector
50
40
30
20
10
0
12175004 12175008 12175015 12175022 12175028 12175031 12175038 12175044 12175047 12175053 12175061 12175087 12175094 12175097 12175107 12175115 12175122 12176002 12176009 12176017 12176020 12176027 12176030 12176036 12176042 12176046 12176053 12176057 12176067 12176076 12176083 12176092 12176095 12176102


dcaXy mean value
dcaXy mean value
Entries 100
Mean 45.89
RMS 28.71
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
12175004 12175008 12175015 12175022 12175028 12175031 12175038 12175044 12175047 12175053 12175061 12175087 12175094 12175097 12175107 12175115 12175122 12176002 12176009 12176017 12176020 12176027 12176030 12176036 12176042 12176046 12176053 12176057 12176067 12176076 12176083 12176092 12176095 12176102