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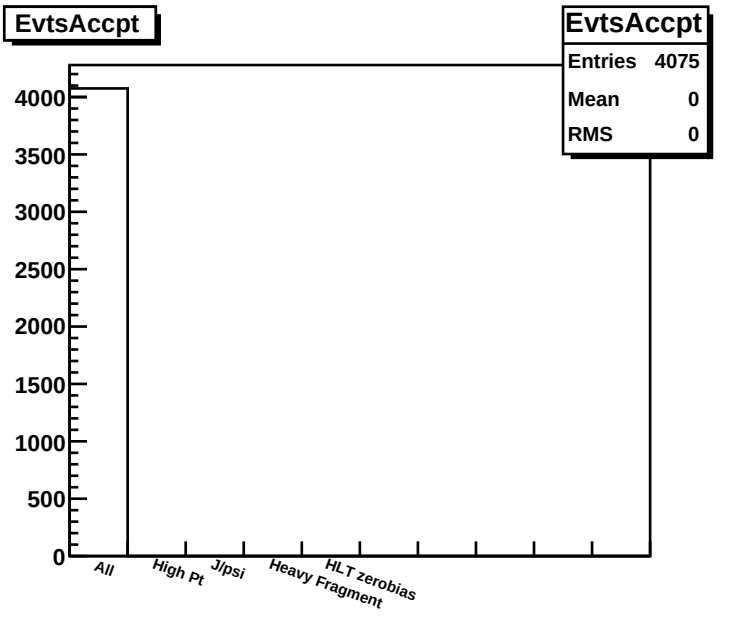
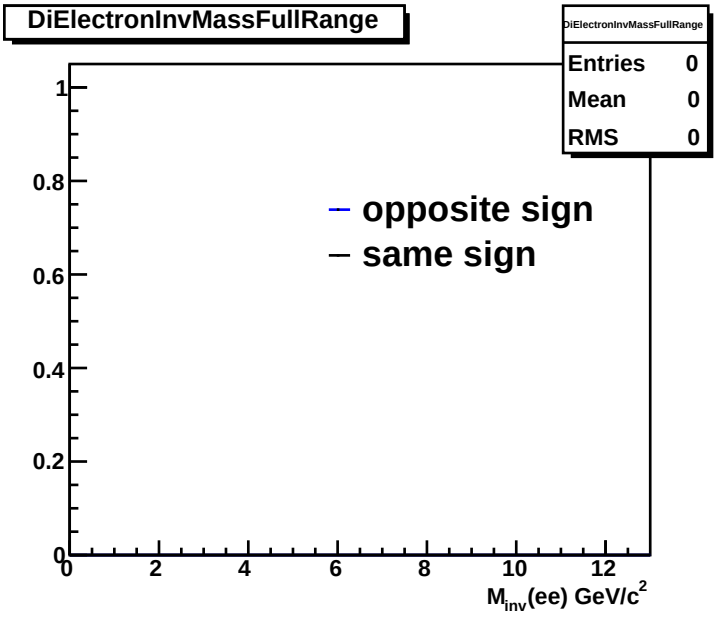
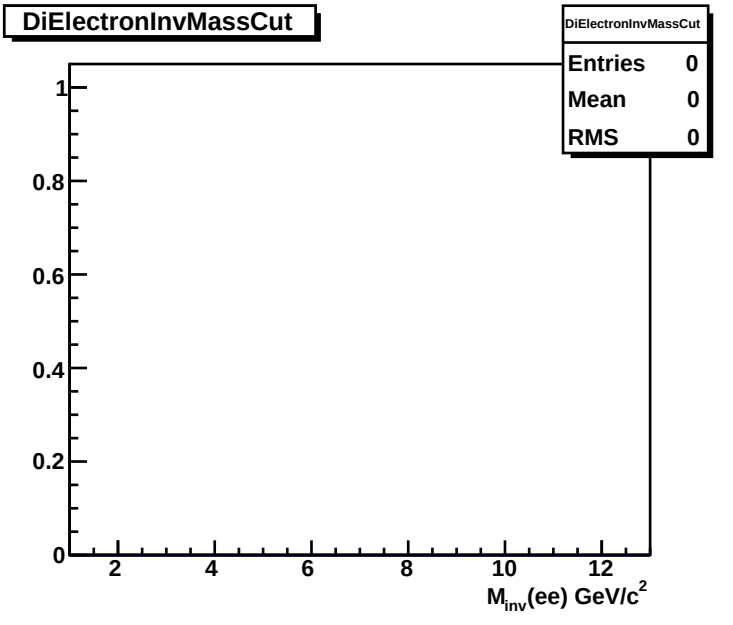
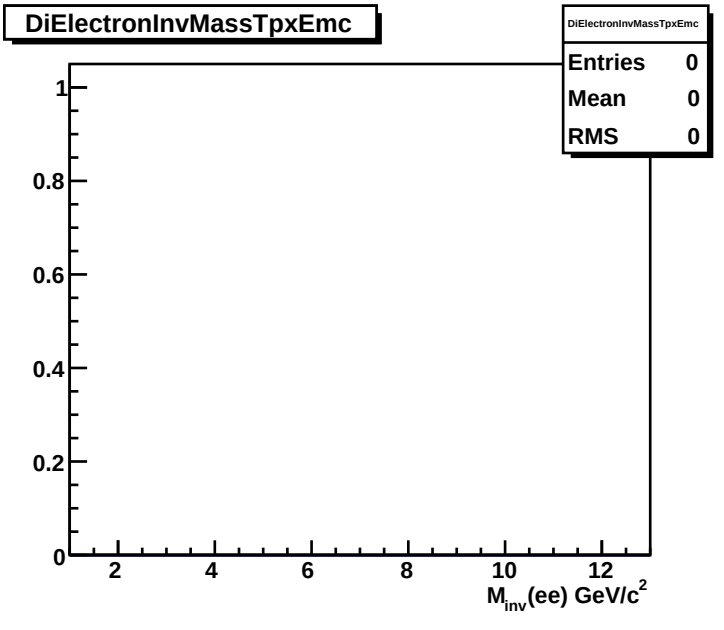
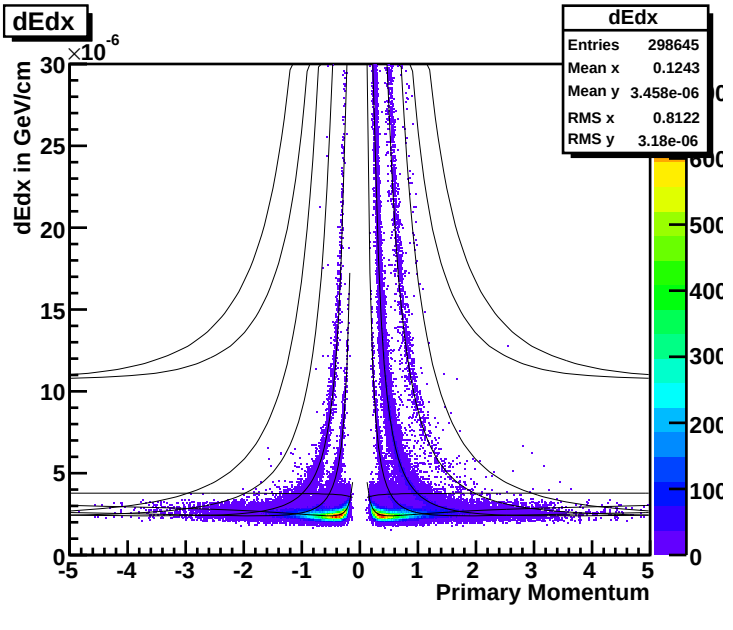
Sat Jun 25 05:13:34 2011

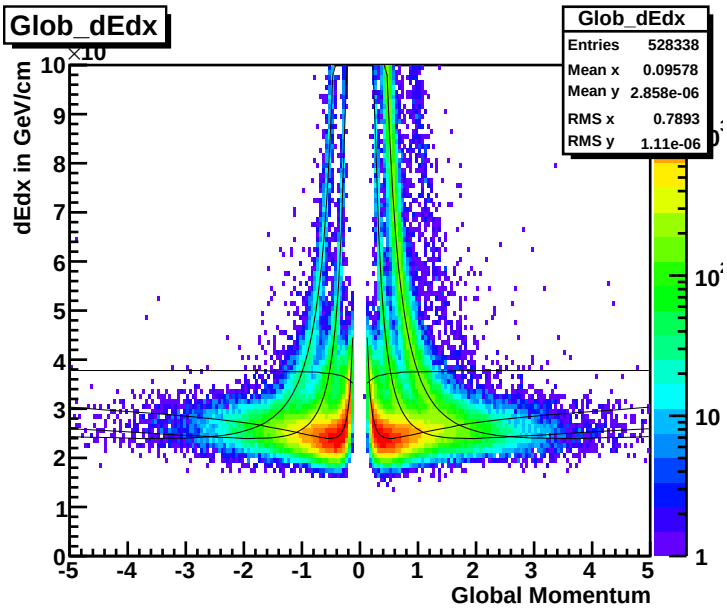


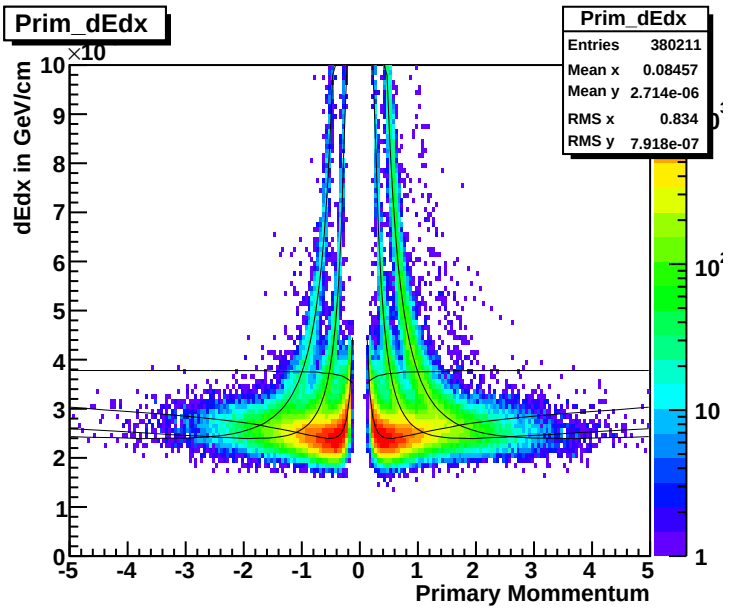


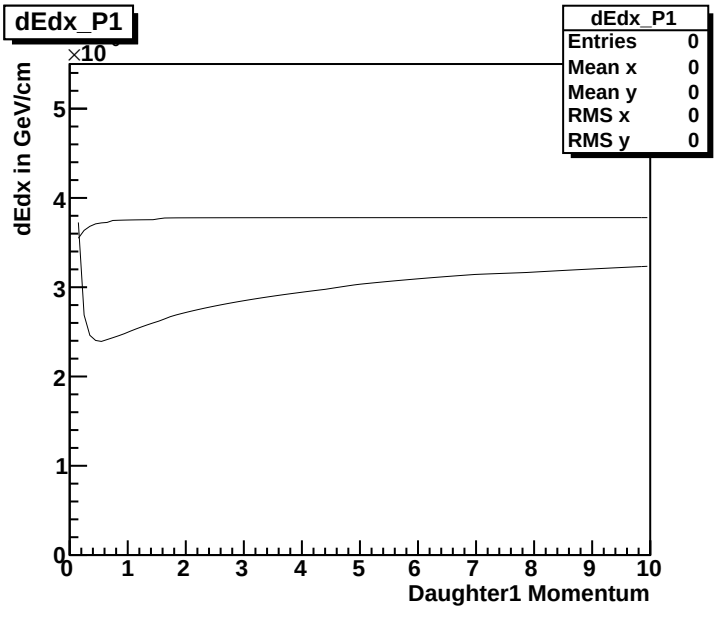


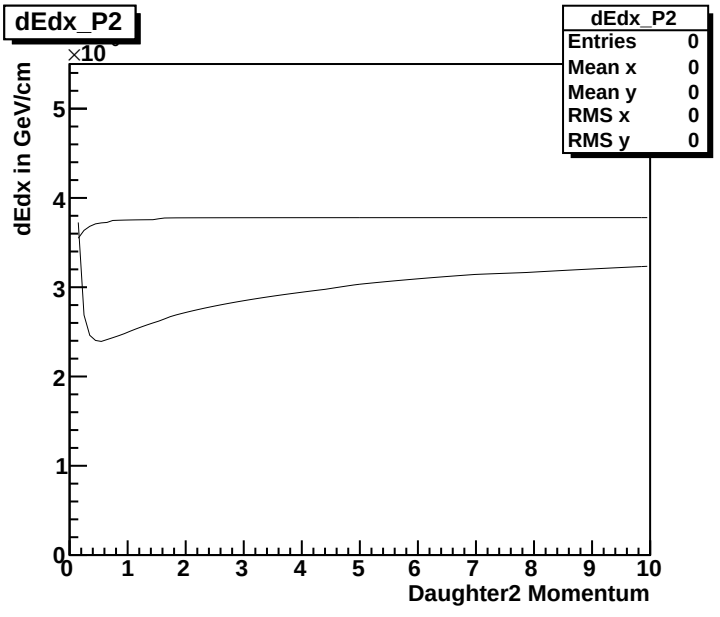


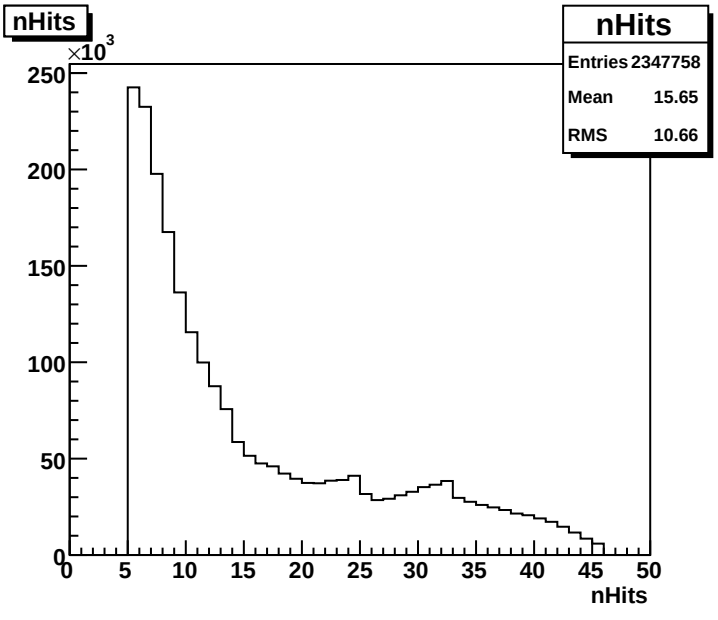


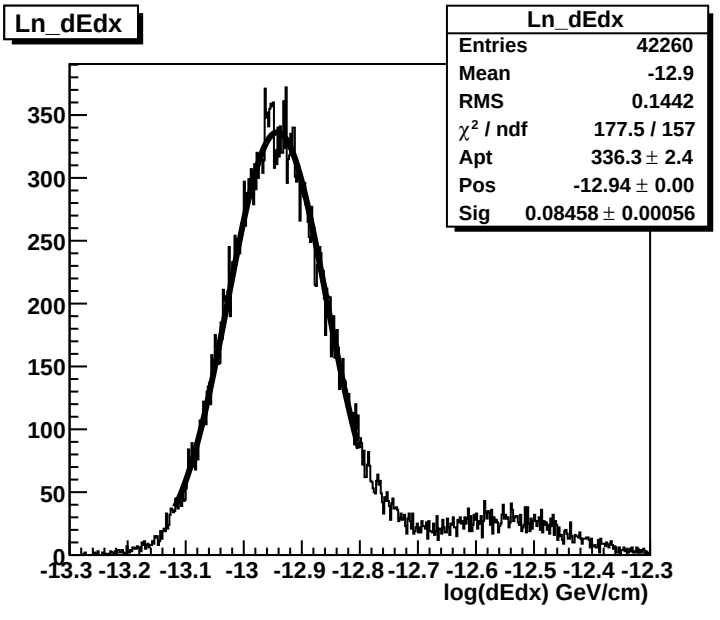

Glob_dEdx
Glob_dEdx
Entries 528338
Mean x 0.09578
Mean y 2.858e-06
RMS x 0.7893
RMS y 1.11e-06
dEdx in GeV/cm
Global Momentum

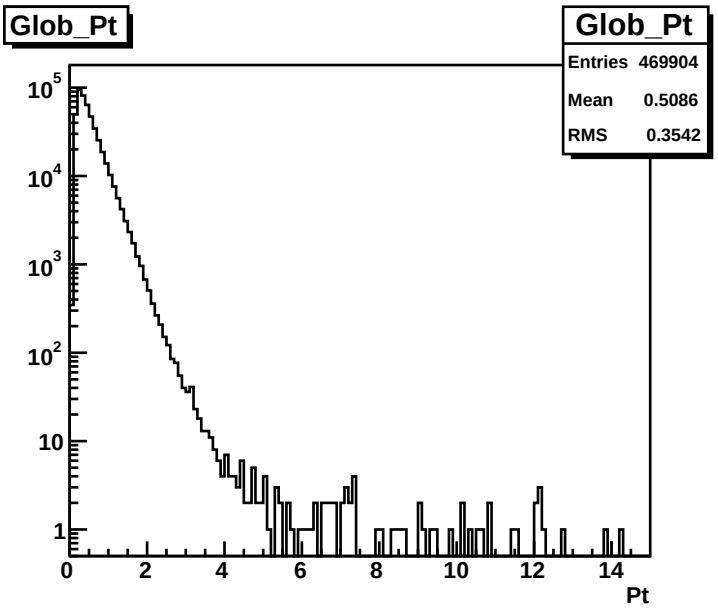

Prim_dEdx
Prim_dEdx
Entries 380211
Mean x 0.08457
Mean y 2.714e-06
RMS x 0.834
RMS y 7.918e-07
dEdx in GeV/cm
Primary Mommentum

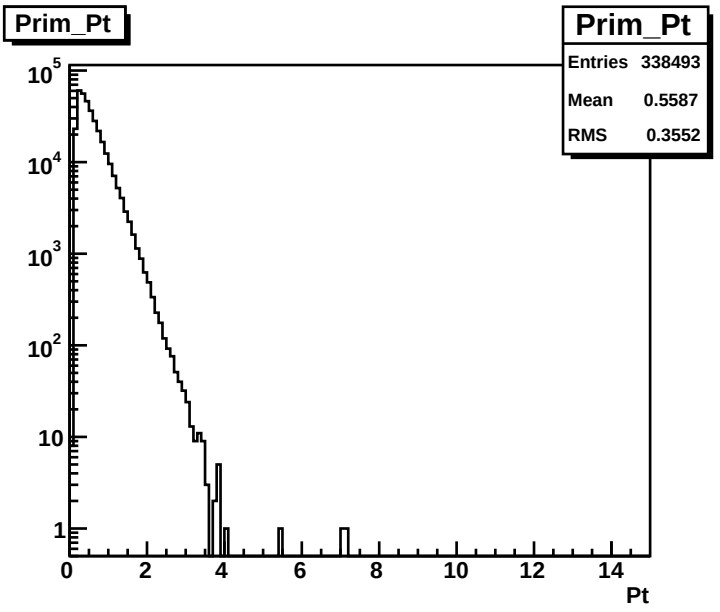

dEdx_P1
dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

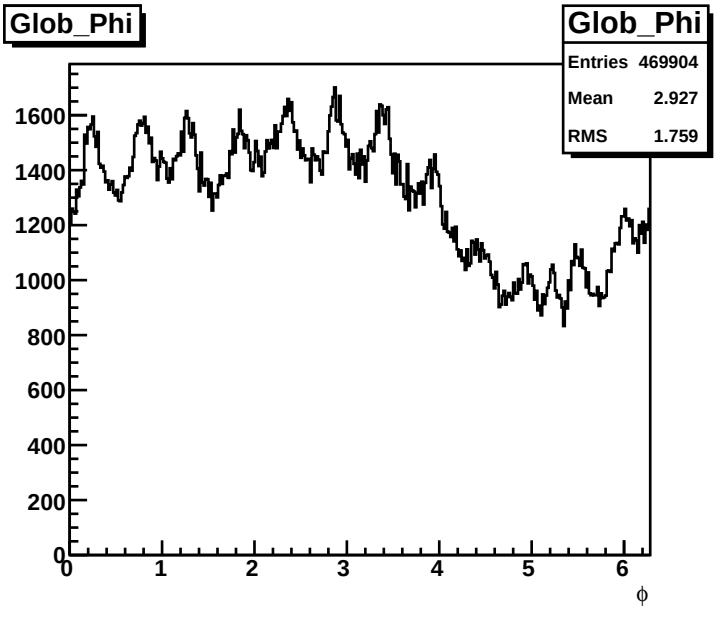

dEdx_P2
dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

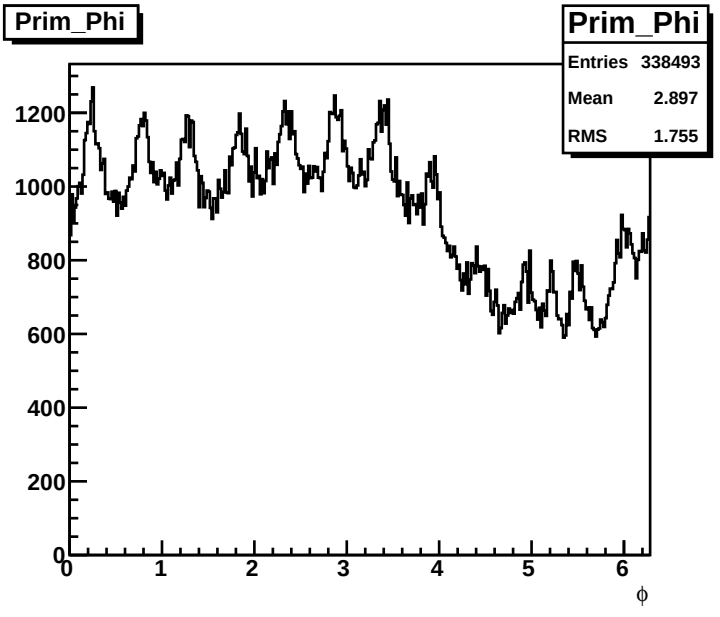

nHits
nHits
Entries 2347758
Mean 15.65
RMS 10.66
nHits

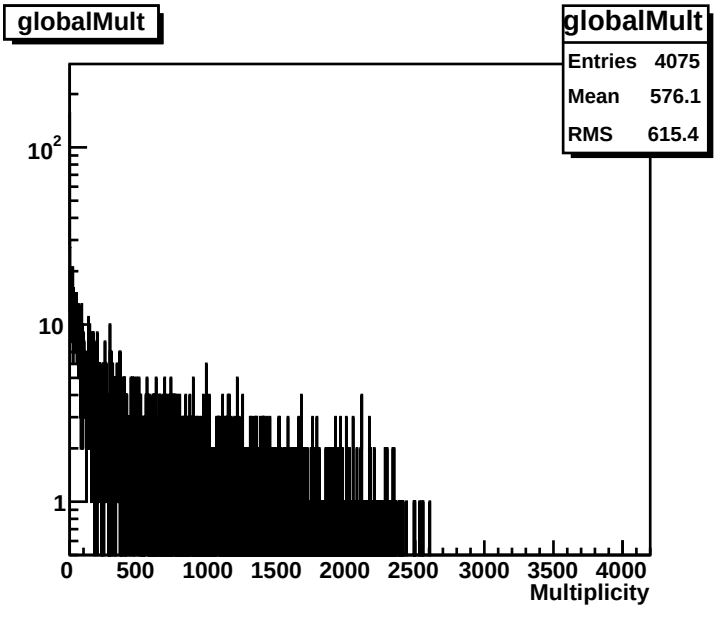

Ln_dEdx
Ln_dEdx
Entries 42260
Mean -12.9
RMS 0.1442
χ² / ndf 177.5 / 157
Apt 336.3 ± 2.4
Pos -12.94 ± 0.00
Sig 0.08458 ± 0.00056
log(dEdx) GeV/cm)

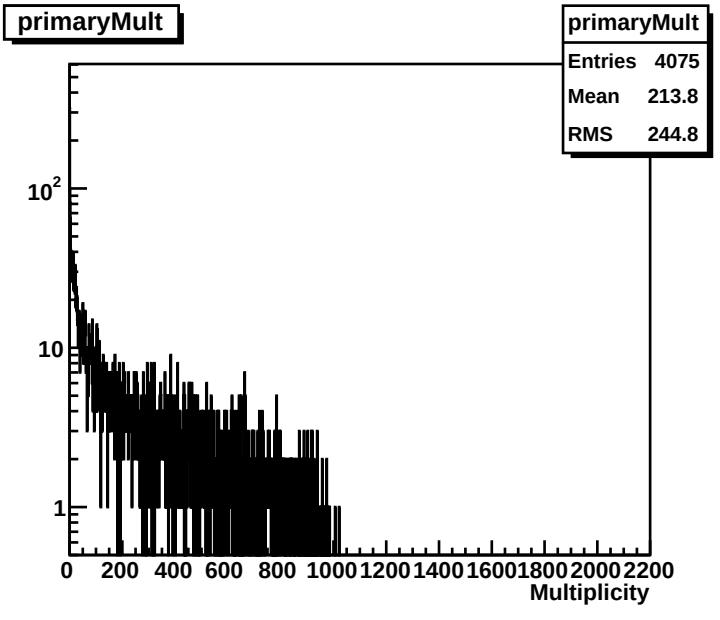

Glob_Pt
Glob_Pt
Entries 469904
Mean 0.5086
RMS 0.3542
Pt

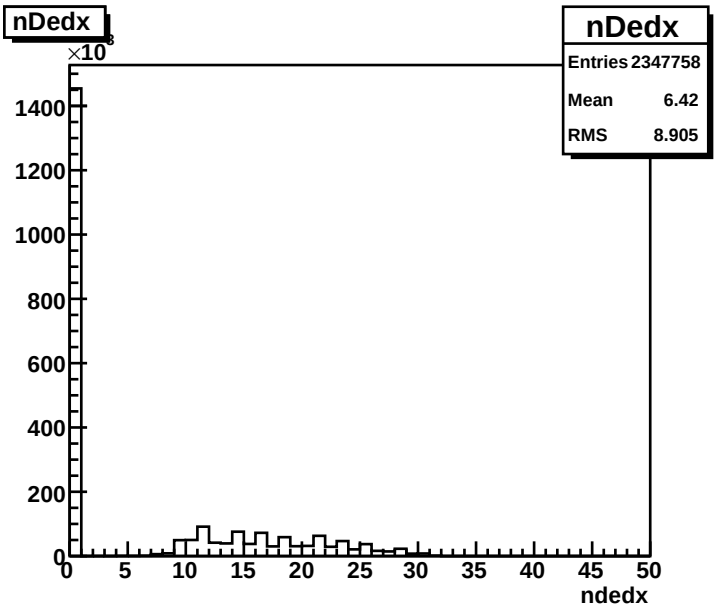

Prim_Pt
Prim_Pt
Entries 338493
Mean 0.5587
RMS 0.3552
Pt

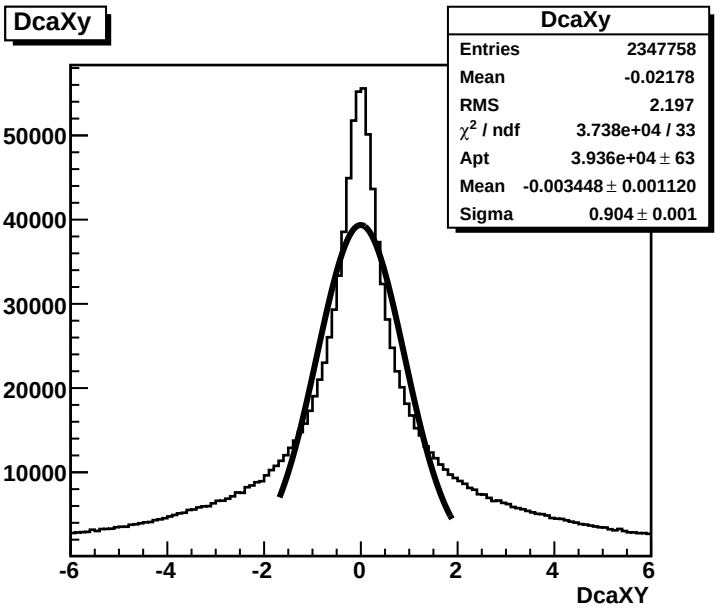

Glob_Phi
Glob_Phi
Entries 469904
Mean 2.927
RMS 1.759
ϕ

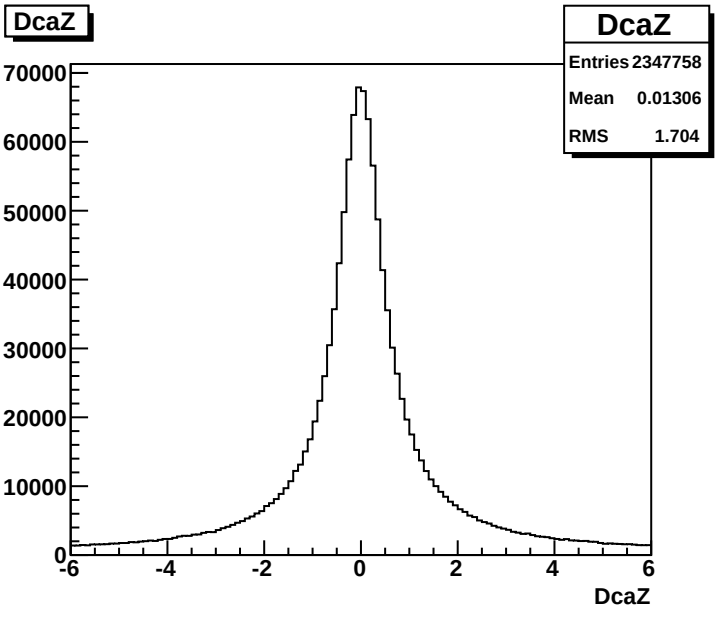

Prim_Phi
Prim_Phi
Entries 338493
Mean 2.897
RMS 1.755
ϕ

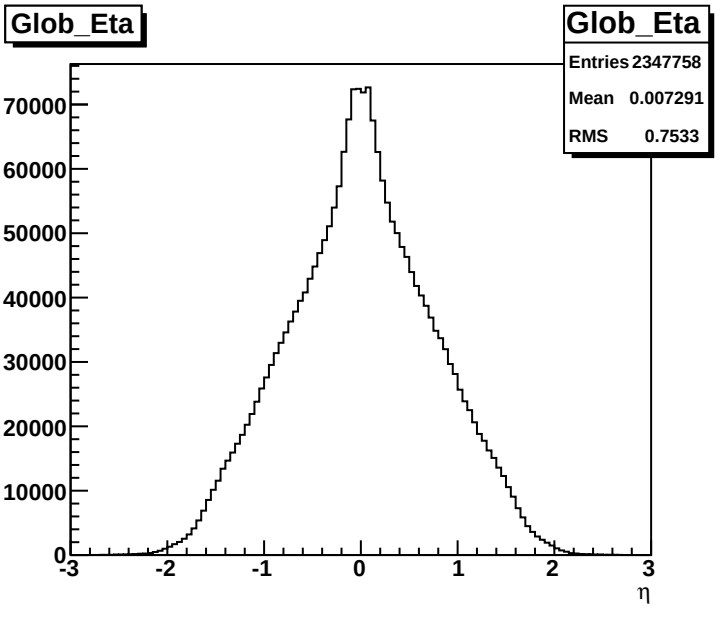

globalMult
globalMult
Entries 4075
Mean 576.1
RMS 615.4
Multiplicity

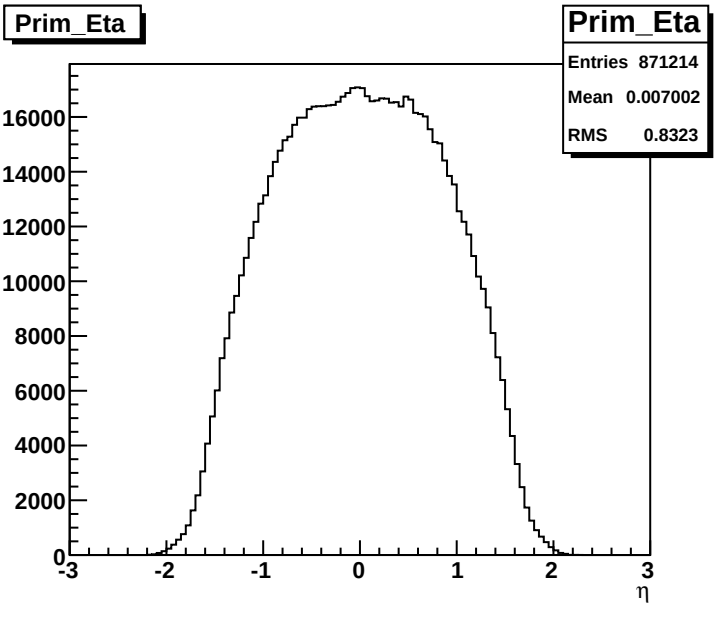

primaryMult
primaryMult
Entries 4075
Mean 213.8
RMS 244.8
Multiplicity

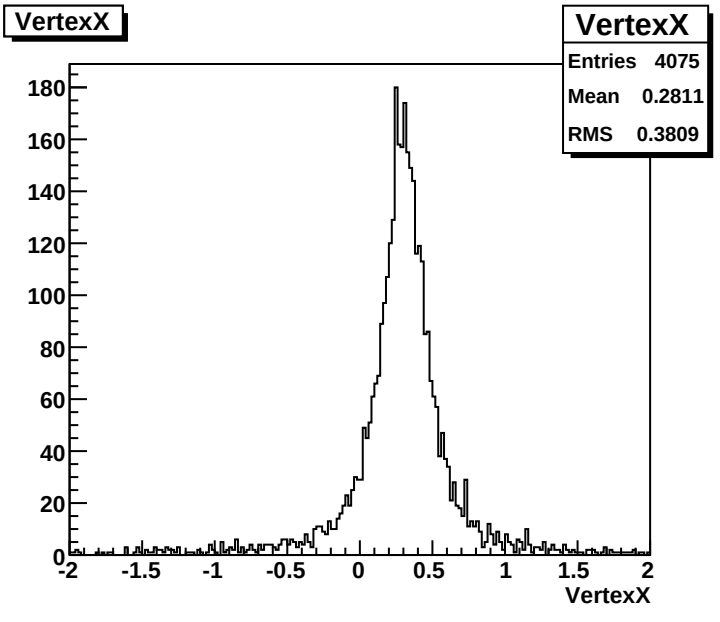

nDedx
nDedx
Entries 2347758
Mean 6.42
RMS 8.905
×10³
ndedx

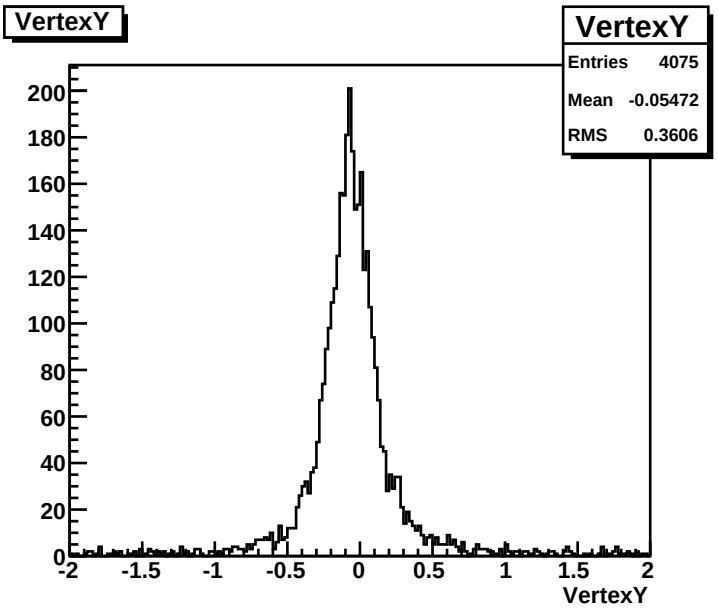

DcaXy
DcaXy
Entries 2347758
Mean -0.02178
RMS 2.197
χ² / ndf 3.738e+04 / 33
Apt 3.936e+04 ± 63
Mean -0.003448 ± 0.001120
Sigma 0.904 ± 0.001
DcaXY

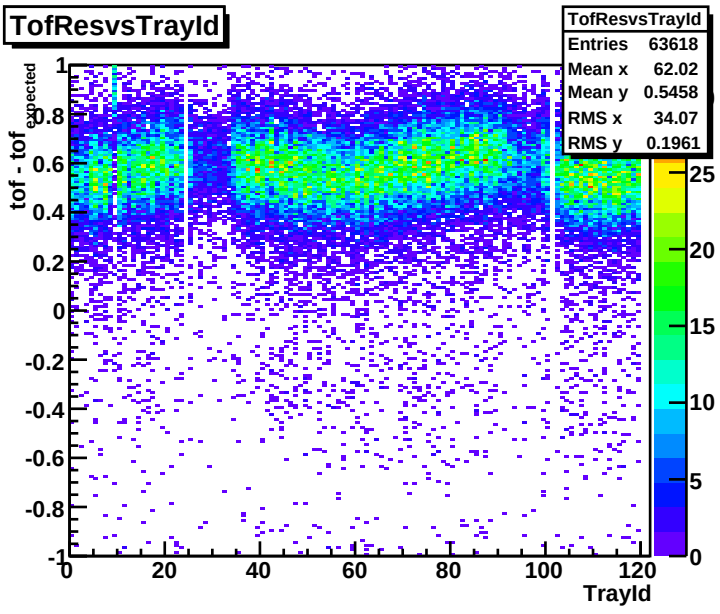

DcaZ
DcaZ
Entries 2347758
Mean 0.01306
RMS 1.704
DcaZ

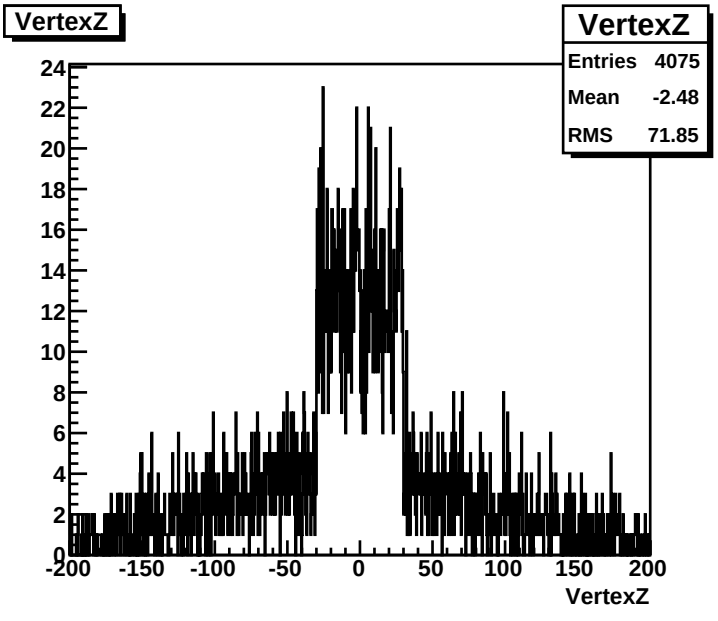

Glob_Eta
Glob_Eta
Entries 2347758
Mean 0.007291
RMS 0.7533
η

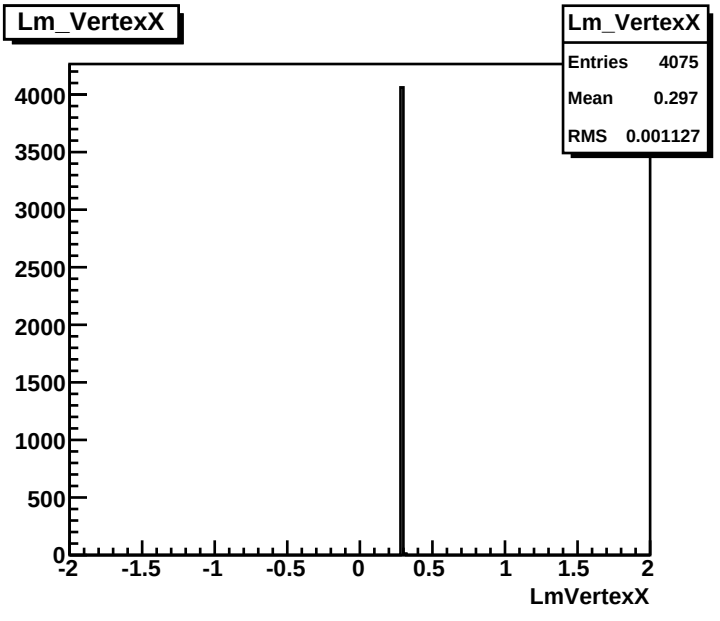

Prim_Eta
Prim_Eta
Entries 871214
Mean 0.007002
RMS 0.8323
η

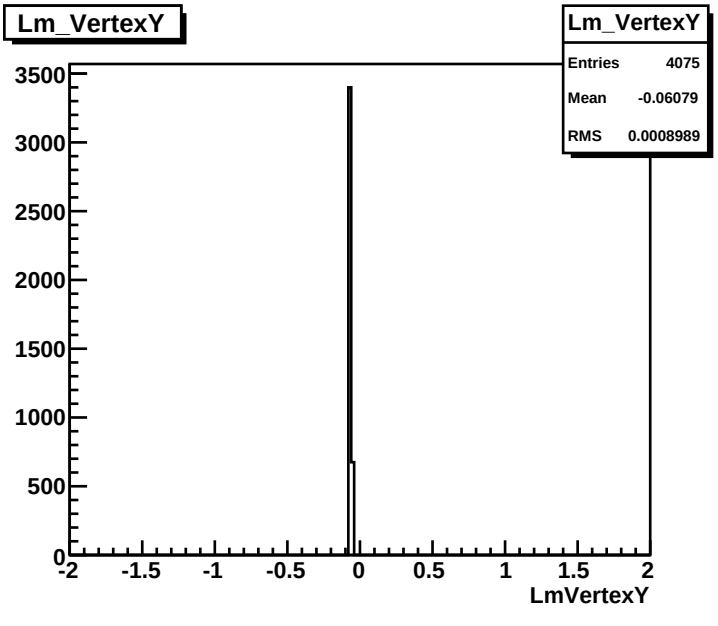

VertexX
VertexX
Entries 4075
Mean 0.2811
RMS 0.3809
VertexX

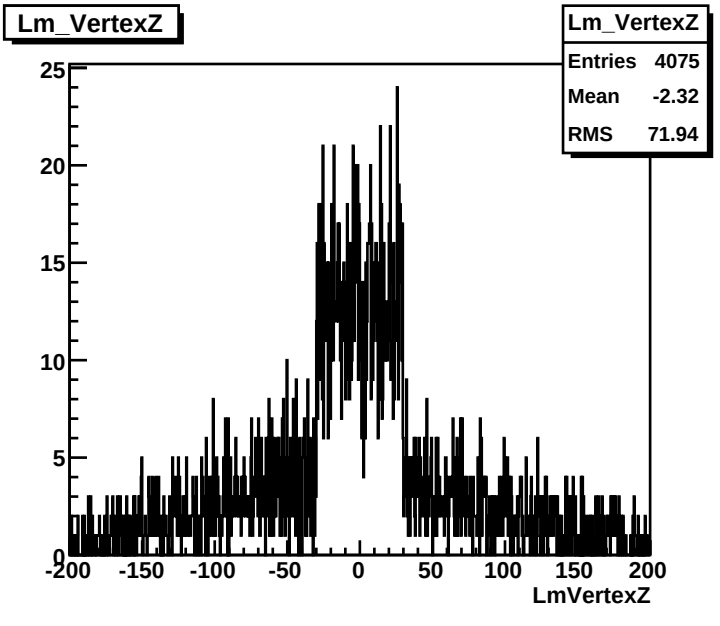

VertexY
VertexY
Entries 4075
Mean -0.05472
RMS 0.3606
VertexY

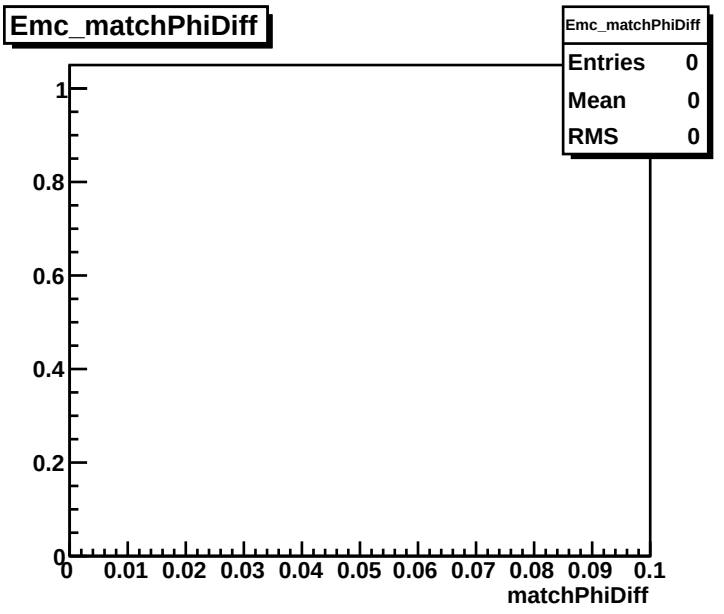

TofResvsTrayId
TofResvsTrayId
Entries 63618
Mean x 62.02
Mean y 0.5458
RMS x 34.07
RMS y 0.1961
tof - tof expected
TrayId

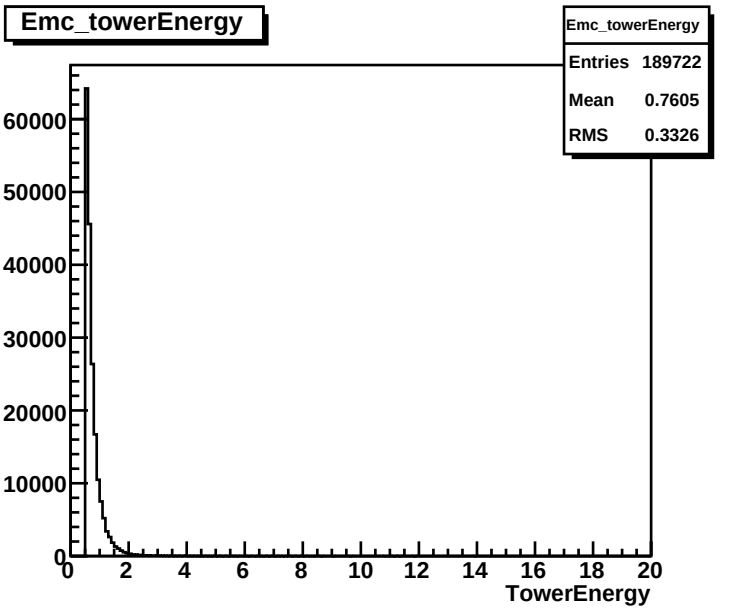

VertexZ
VertexZ
Entries 4075
Mean -2.48
RMS 71.85
VertexZ

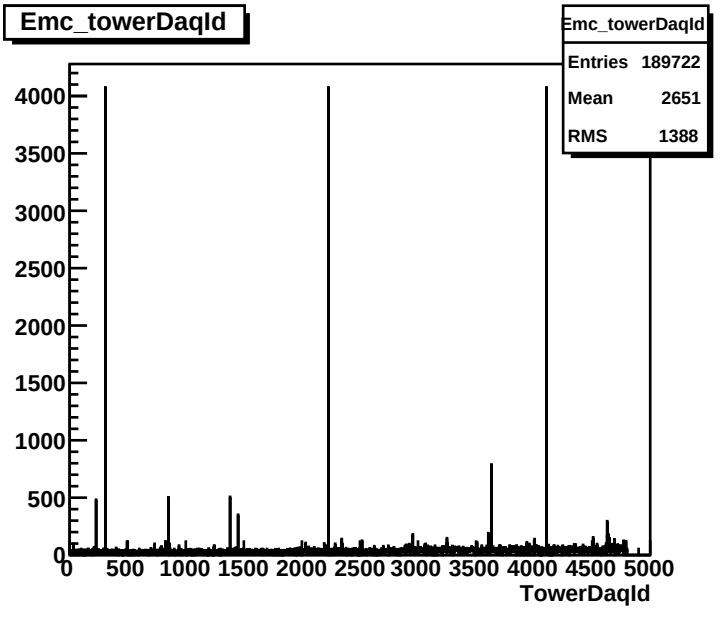

Lm_VertexX
Lm_VertexX
Entries 4075
Mean 0.297
RMS 0.001127
LmVertexX

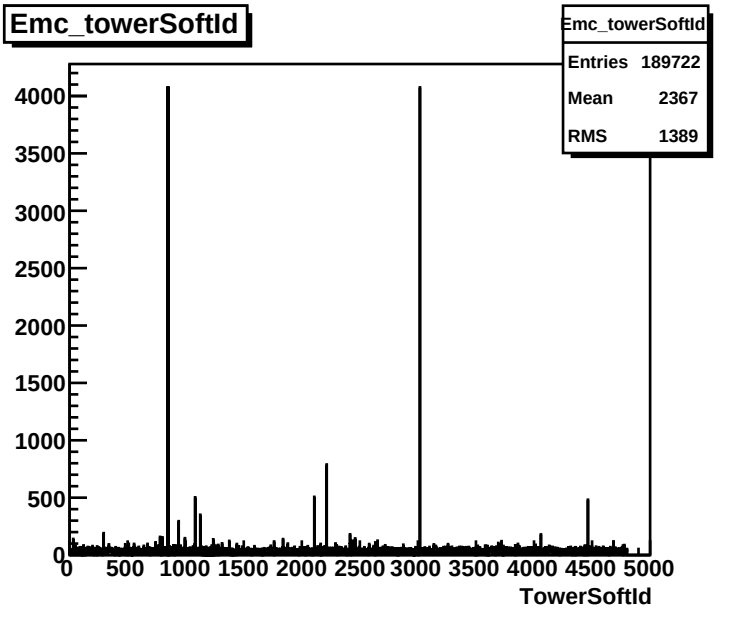

Lm_VertexY
Lm_VertexY
Entries 4075
Mean -0.06079
RMS 0.0008989
LmVertexY

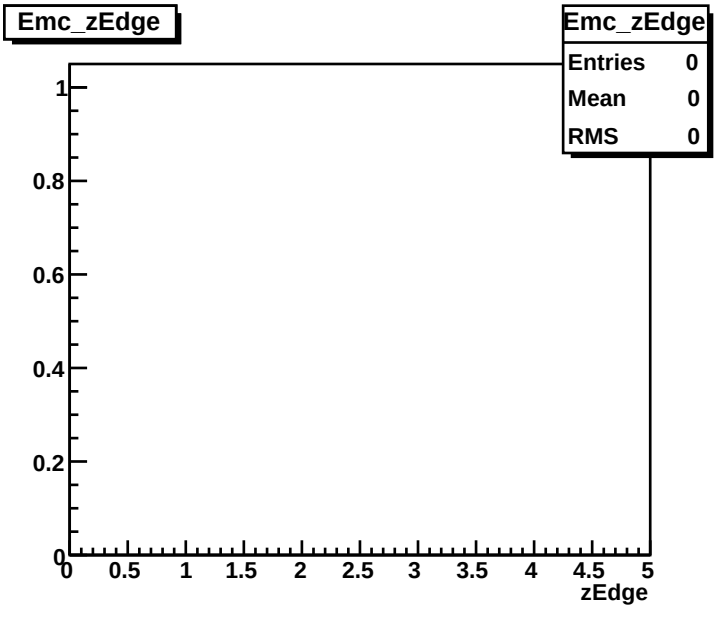

Lm_VertexZ
Lm_VertexZ
Entries 4075
Mean -2.32
RMS 71.94
LmVertexZ

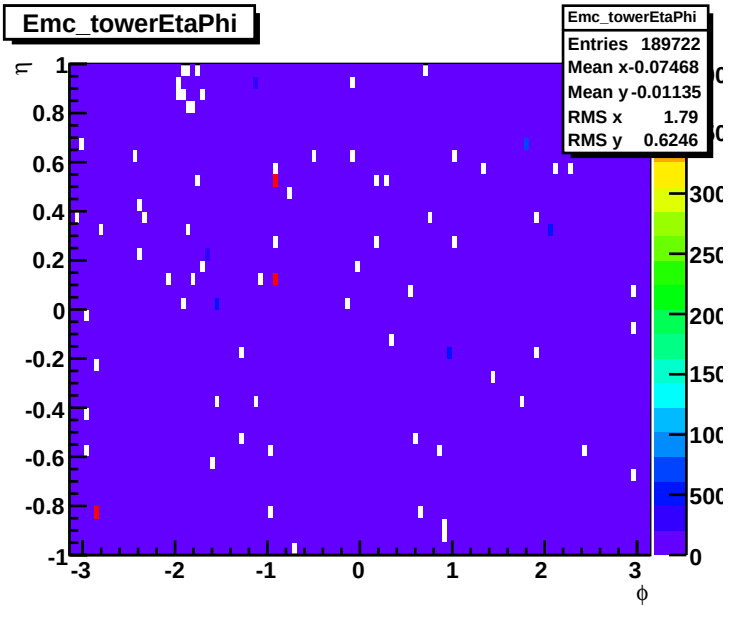

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

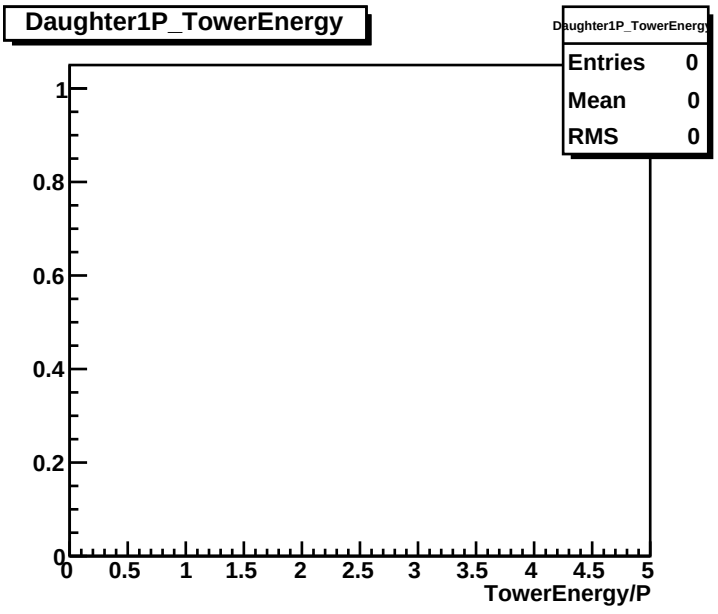

Emc_towerEnergy
Emc_towerEnergy
Entries 189722
Mean 0.7605
RMS 0.3326
TowerEnergy

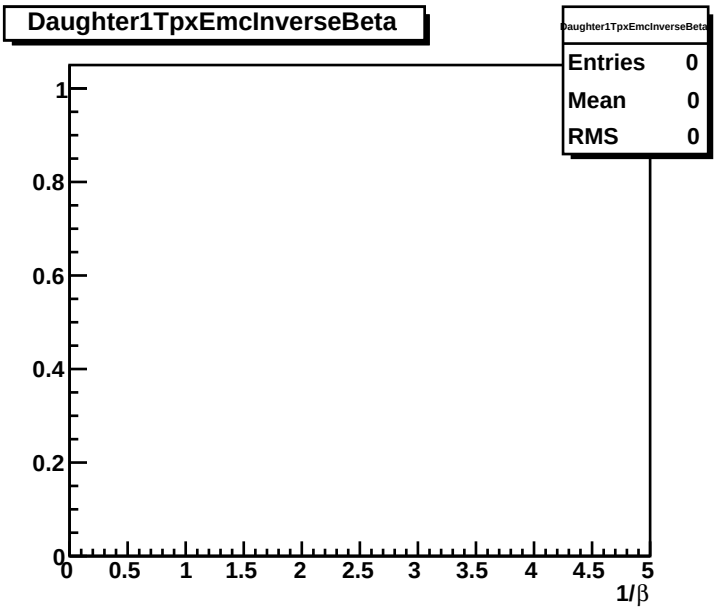

Emc_towerDaqId
Emc_towerDaqId
Entries 189722
Mean 2651
RMS 1388
TowerDaqId

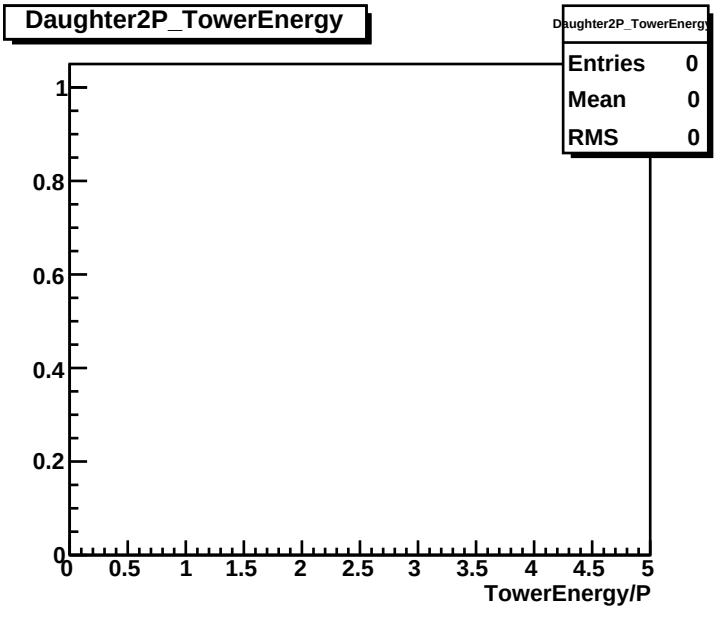

Emc_towerSoftId
Emc_towerSoftId
Entries 189722
Mean 2367
RMS 1389
TowerSoftId

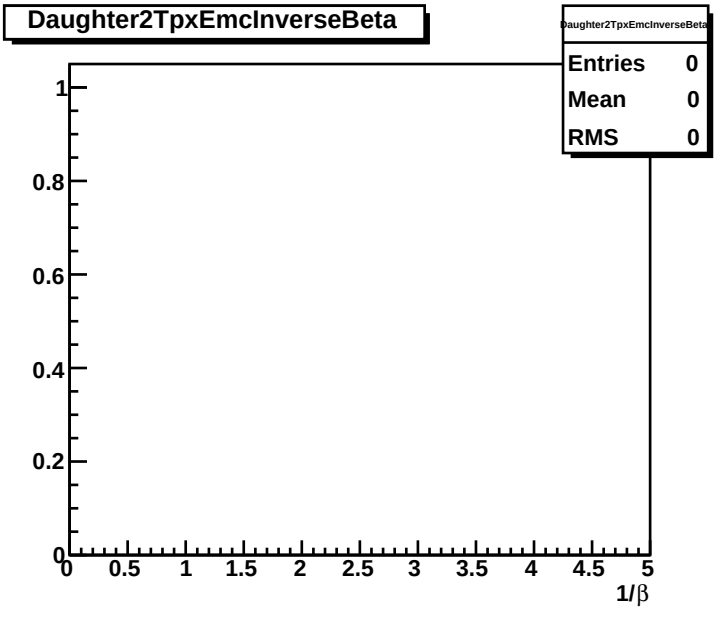

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

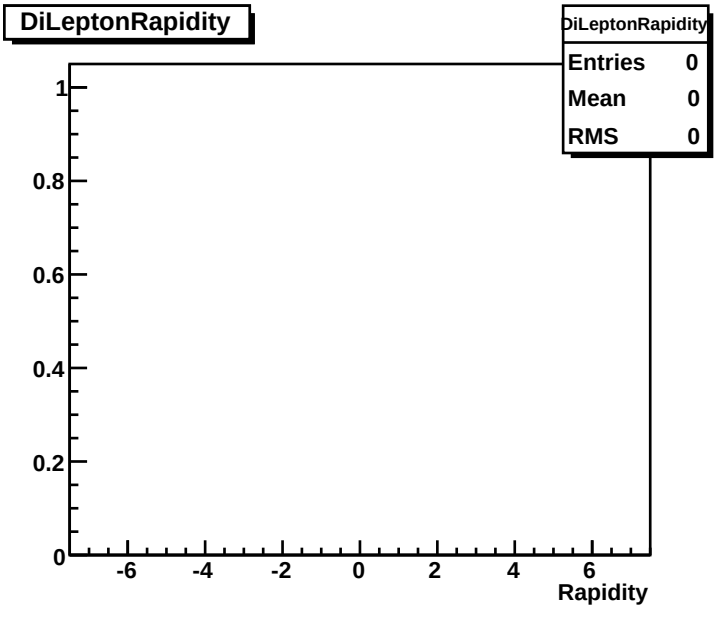

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 189722
Mean x -0.07468
Mean y -0.01135
RMS x 1.79
RMS y 0.6246
η
ϕ

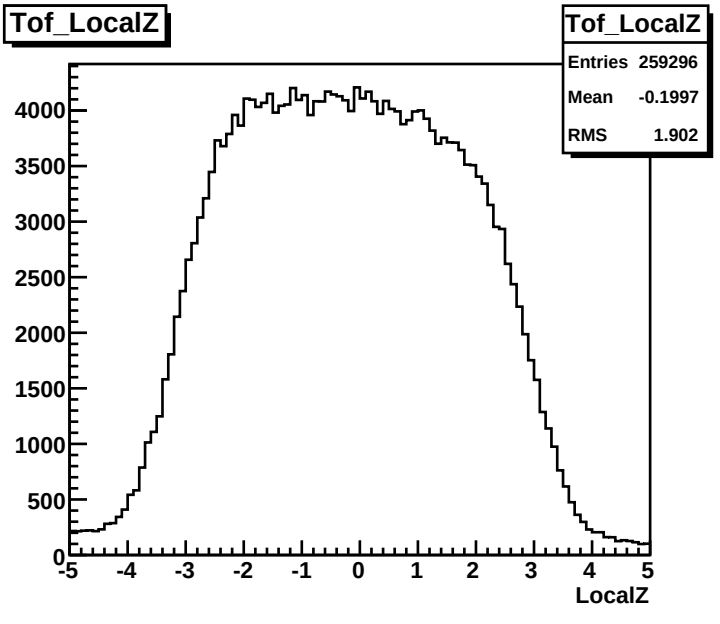

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

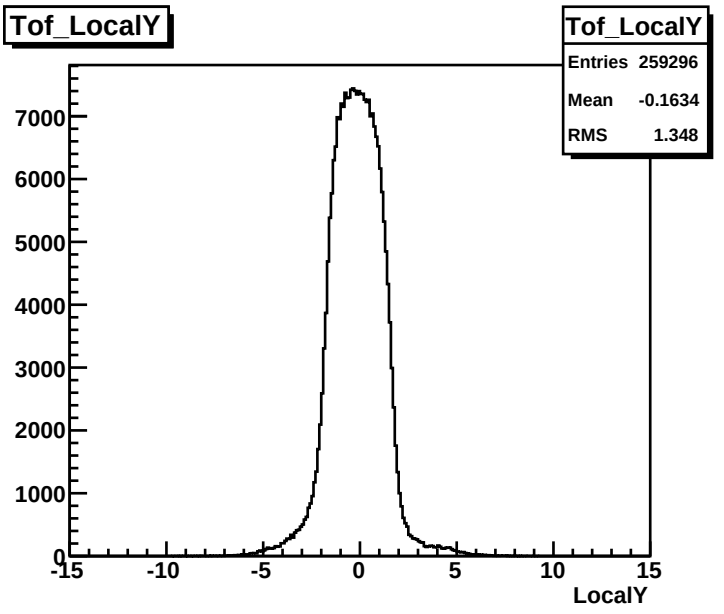

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

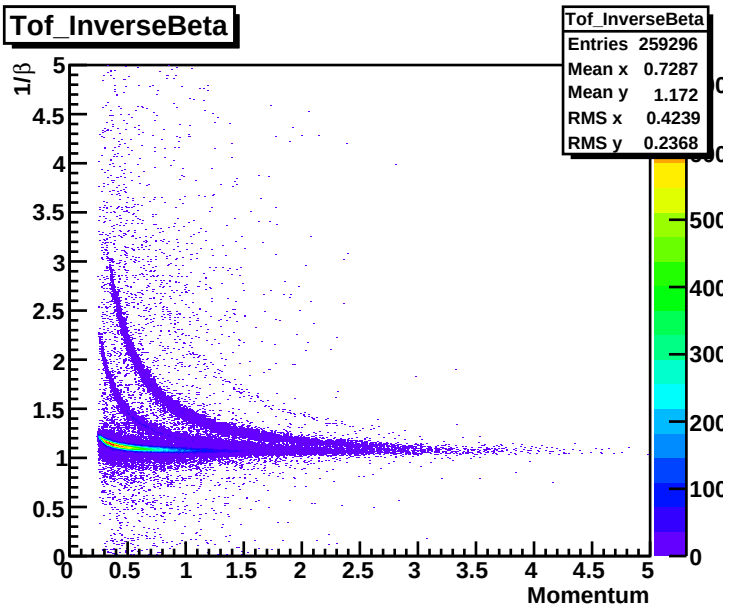

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

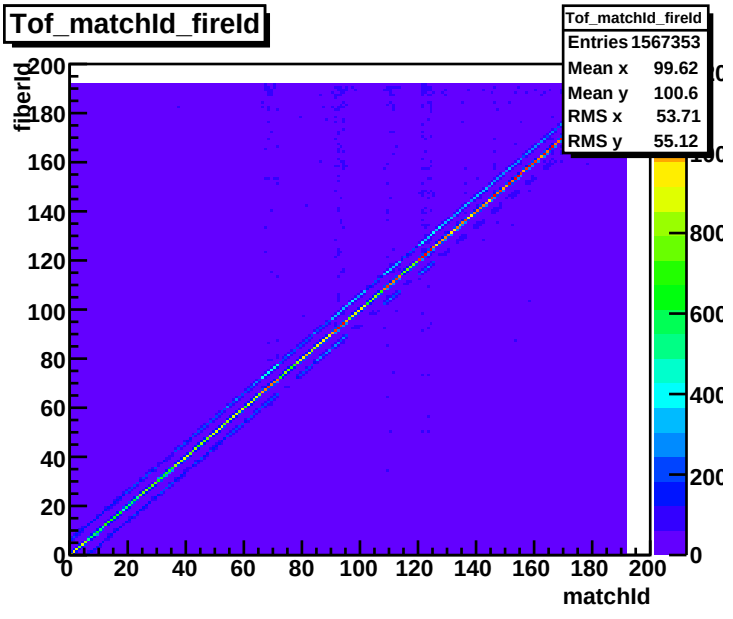

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

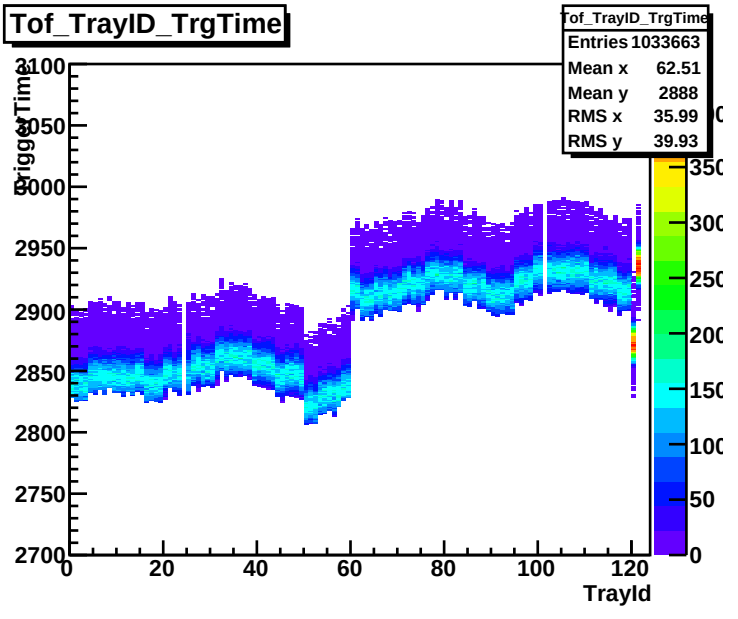

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

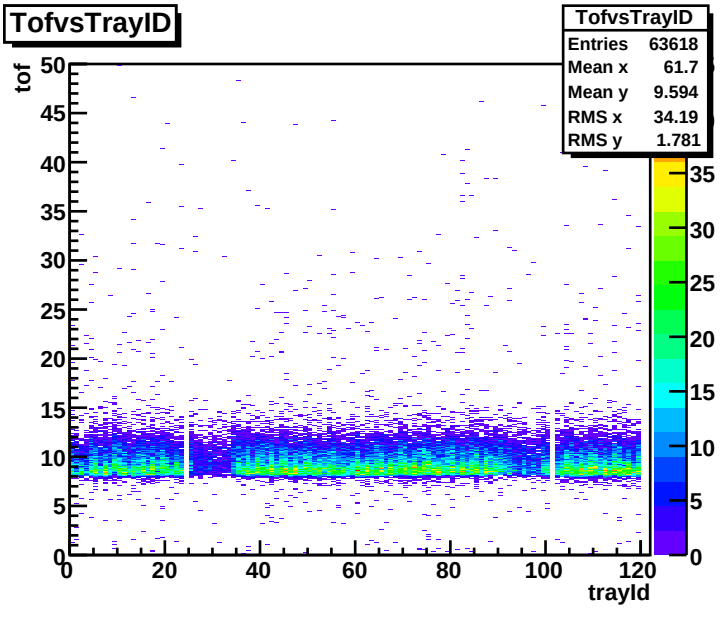

Tof_LocalZ
Tof_LocalZ
Entries 259296
Mean -0.1997
RMS 1.902
LocalZ

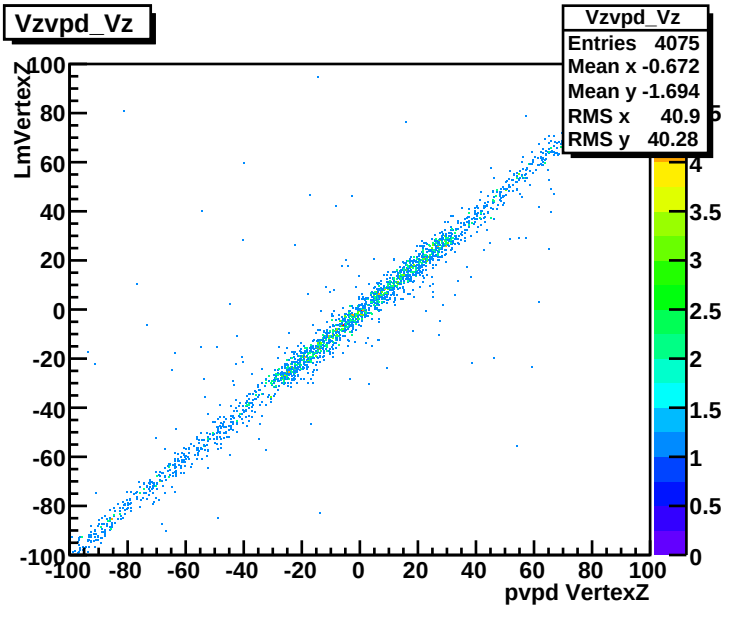

Tof_LocalY
Tof_LocalY
Entries 259296
Mean -0.1634
RMS 1.348
LocalY

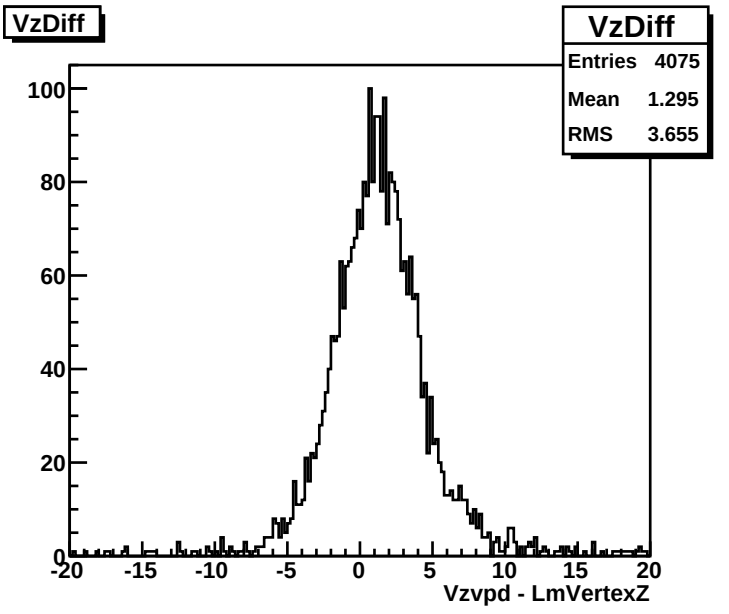

Tof_InverseBeta
Tof_InverseBeta
Entries 259296
Mean x 0.7287
Mean y 1.172
RMS x 0.4239
RMS y 0.2368
1/β
Momentum

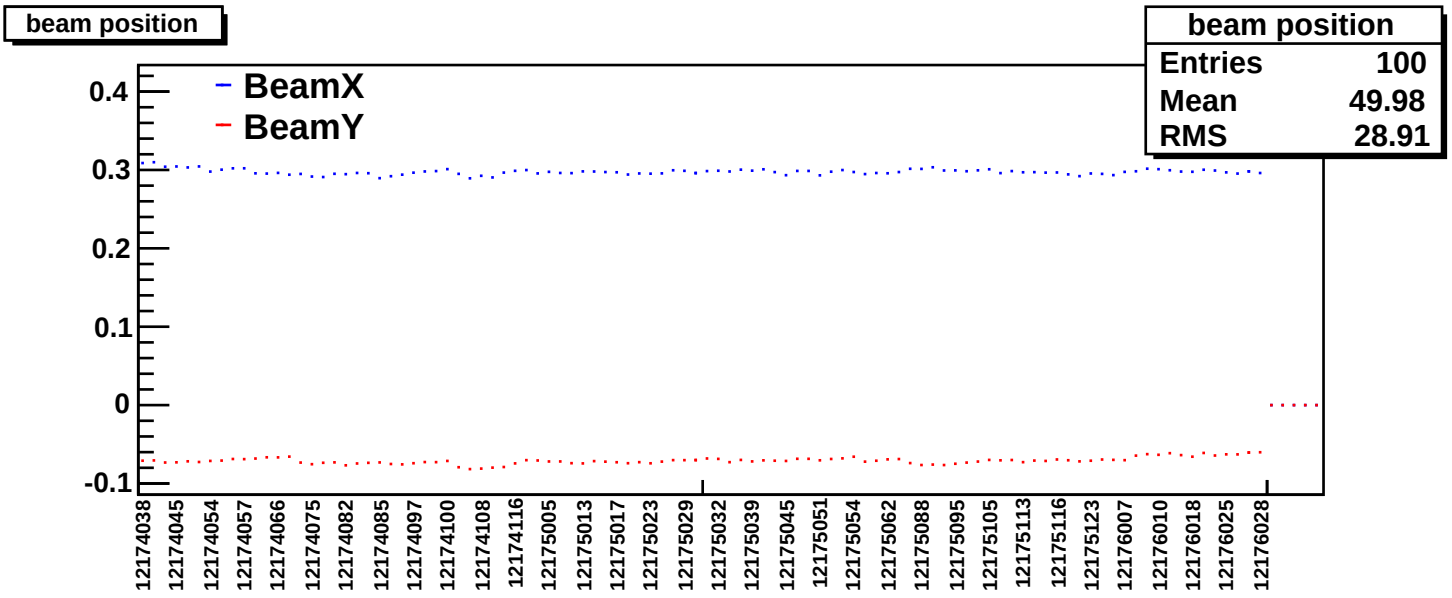

Tof_matchId_fireId
Tof_matchId_fireId
Entries 1567353
Mean x 99.62
Mean y 100.6
RMS x 53.71
RMS y 55.12
fiberId
matchId

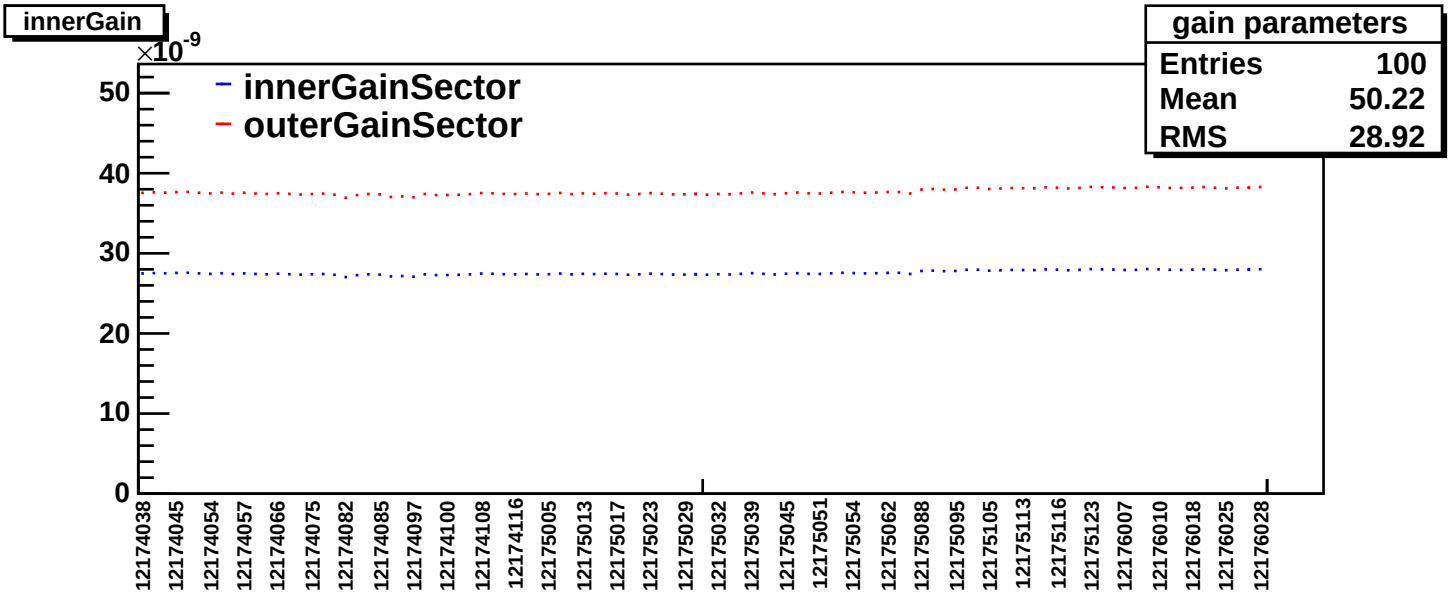

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 1033663
Mean x 62.51
Mean y 2888
RMS x 35.99
RMS y 39.93
TrayId

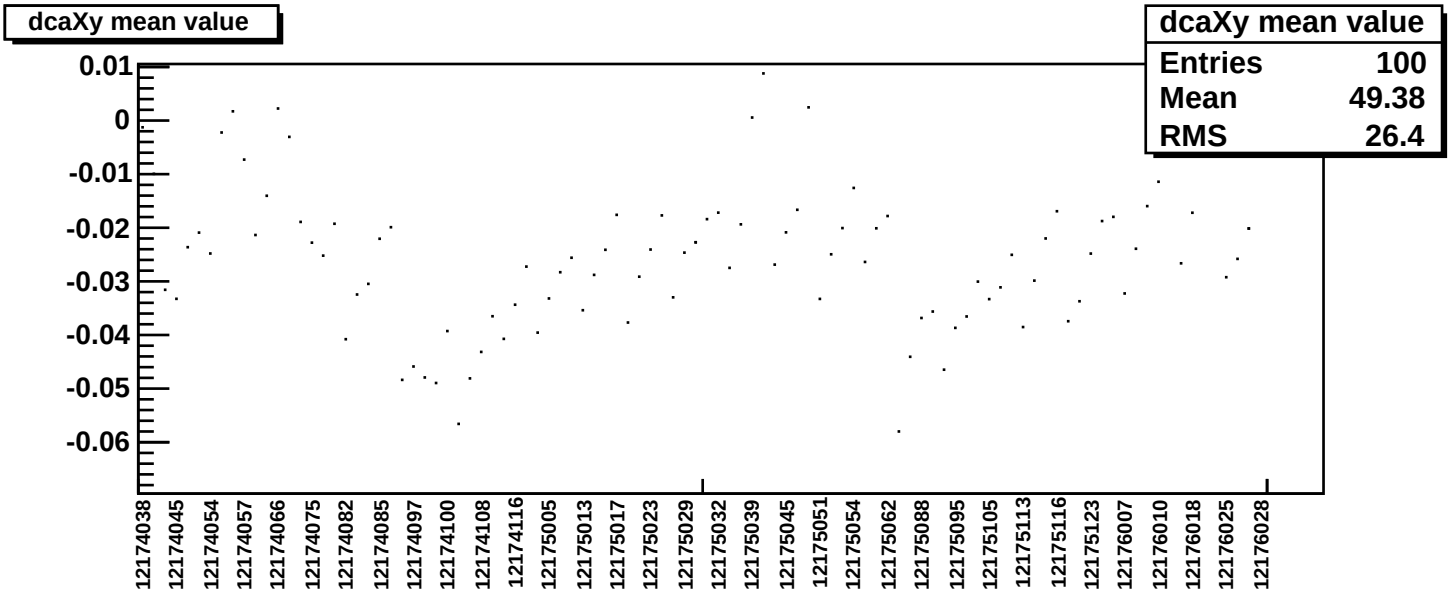

TofvsTrayID
TofvsTrayID
Entries 63618
Mean x 61.7
Mean y 9.594
RMS x 34.19
RMS y 1.781
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 4075
Mean x -0.672
Mean y -1.694
RMS x 40.9
RMS y 40.28
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 4075
Mean 1.295
RMS 3.655
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 49.98
RMS 28.91
0.4
0.3
0.2
0.1
0
-0.1
12174038 12174045 12174054 12174057 12174066 12174075 12174082 12174085 12174097 12174100 12174108 12174116 12175005 12175013 12175017 12175023 12175029 12175032 12175039 12175045 12175051 12175054 12175062 12175088 12175095 12175105 12175113 12175116 12175123 12176007 12176010 12176018 12176025 12176028


innerGain
×10^-9
innerGainSector
outerGainSector
gain parameters
Entries 100
Mean 50.22
RMS 28.92
50
40
30
20
10
0
12174038 12174045 12174054 12174057 12174066 12174075 12174082 12174085 12174097 12174100 12174108 12174116 12175005 12175013 12175017 12175023 12175029 12175032 12175039 12175045 12175051 12175054 12175062 12175088 12175095 12175105 12175113 12175116 12175123 12176007 12176010 12176018 12176025 12176028


dcaXy mean value
dcaXy mean value
Entries 100
Mean 49.38
RMS 26.4
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
12174038 12174045 12174054 12174057 12174066 12174075 12174082 12174085 12174097 12174100 12174108 12174116 12175005 12175013 12175017 12175023 12175029 12175032 12175039 12175045 12175051 12175054 12175062 12175088 12175095 12175105 12175113 12175116 12175123 12176007 12176010 12176018 12176025 12176028