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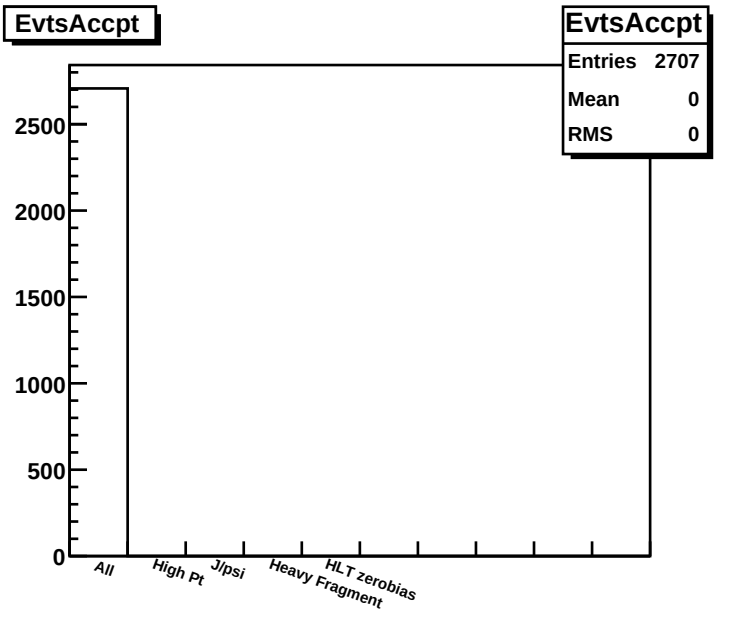
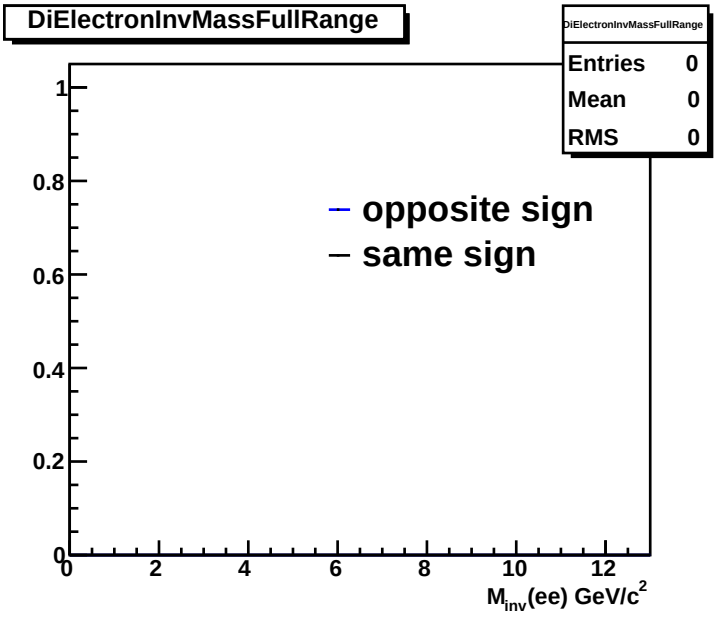
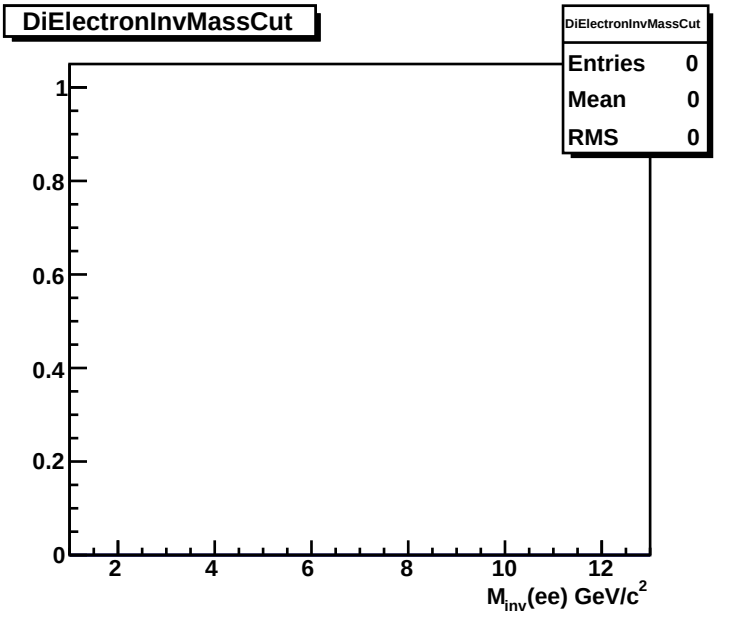
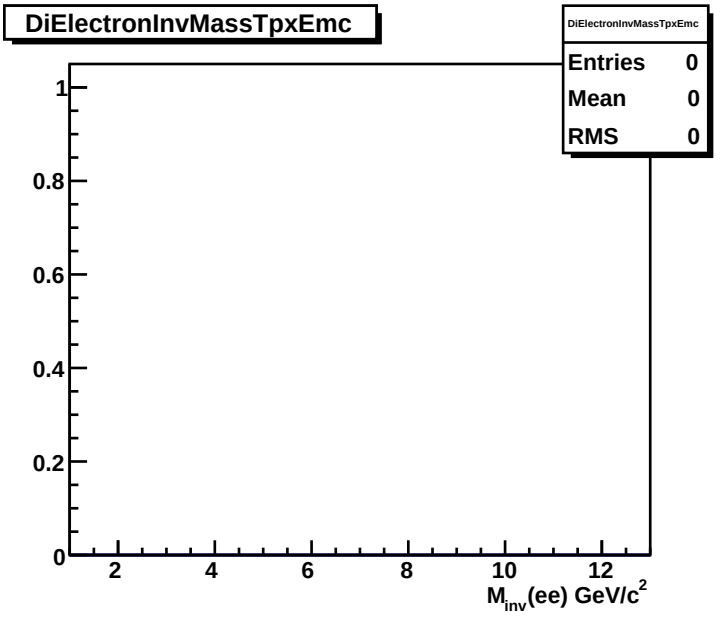
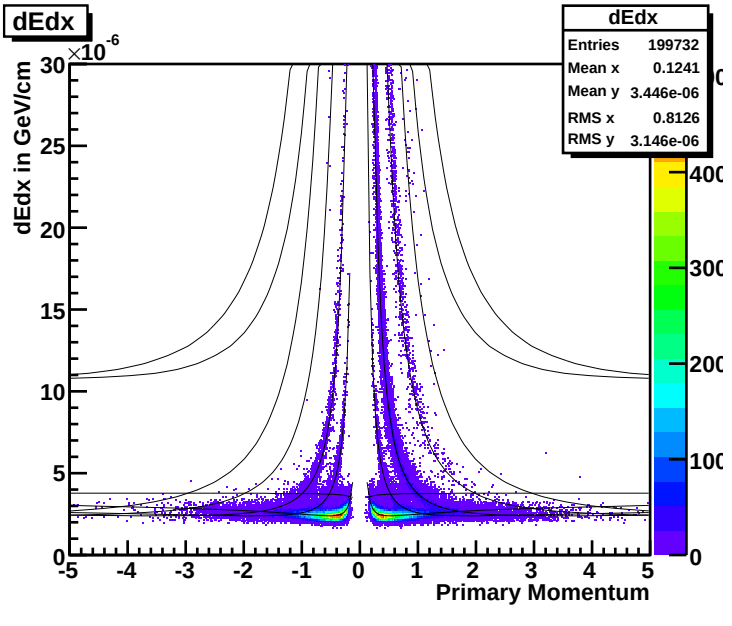
Thu Jun 23 23:26:47 2011

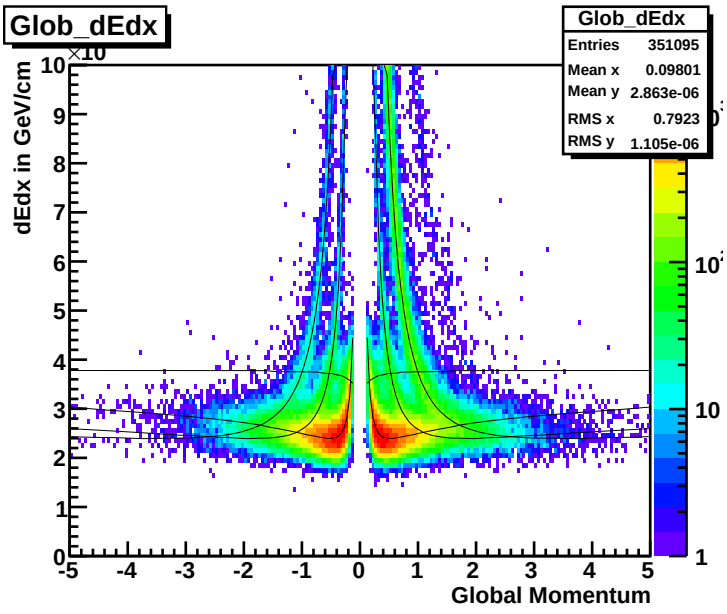


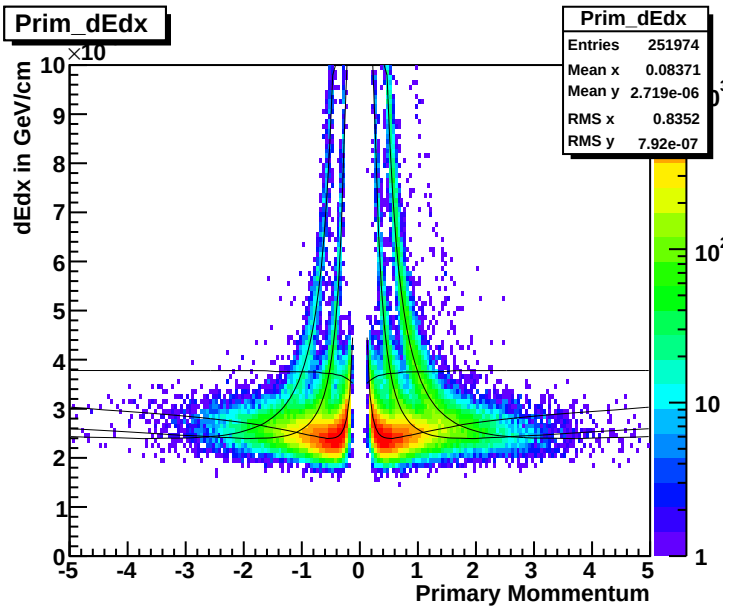


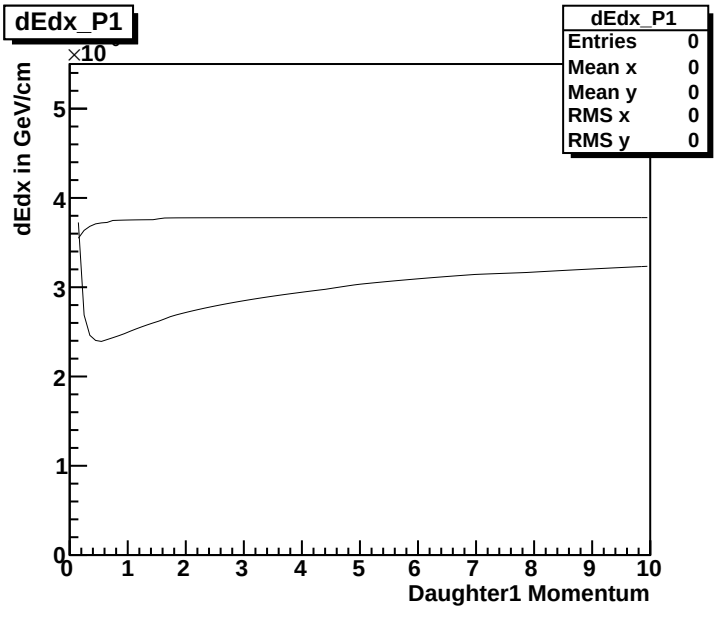


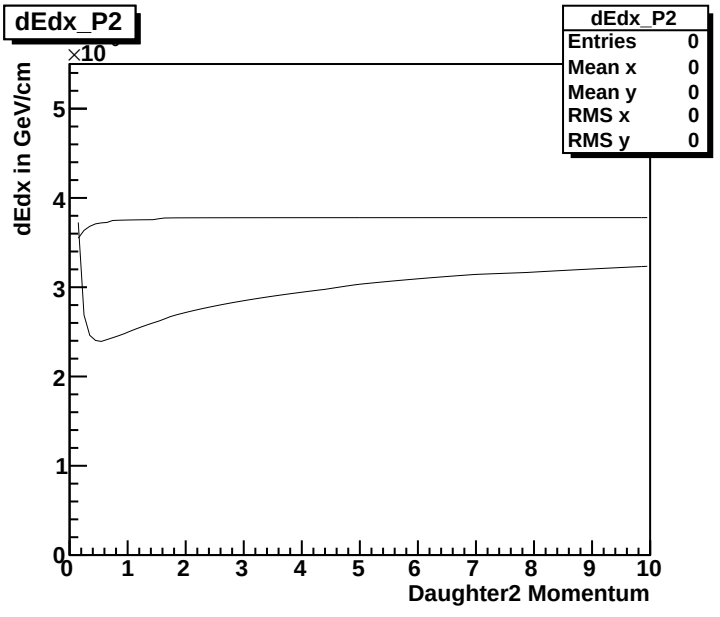


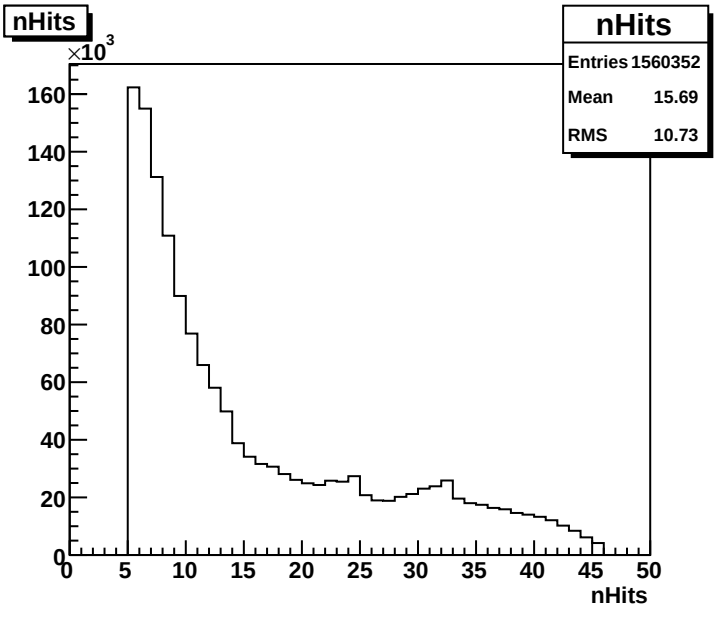


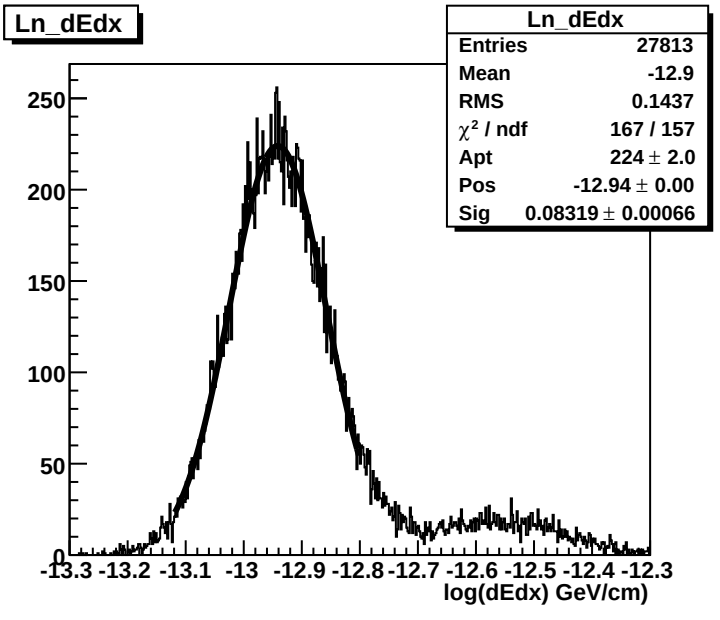

Glob_dEdx
Glob_dEdx
Entries 351095
Mean x 0.09801
Mean y 2.863e-06
RMS x 0.7923
RMS y 1.105e-06
dEdx in GeV/cm
Global Momentum

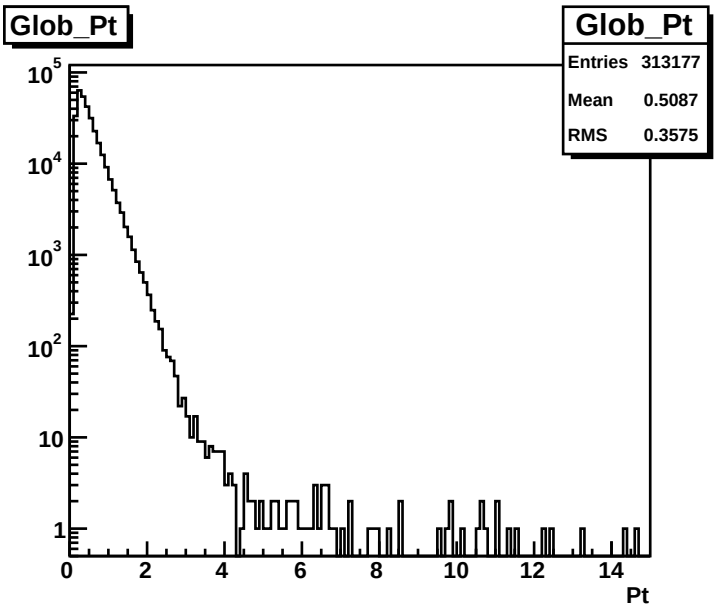

Prim_dEdx
Prim_dEdx
Entries 251974
Mean x 0.08371
Mean y 2.719e-06
RMS x 0.8352
RMS y 7.92e-07
dEdx in GeV/cm
Primary Mommentum

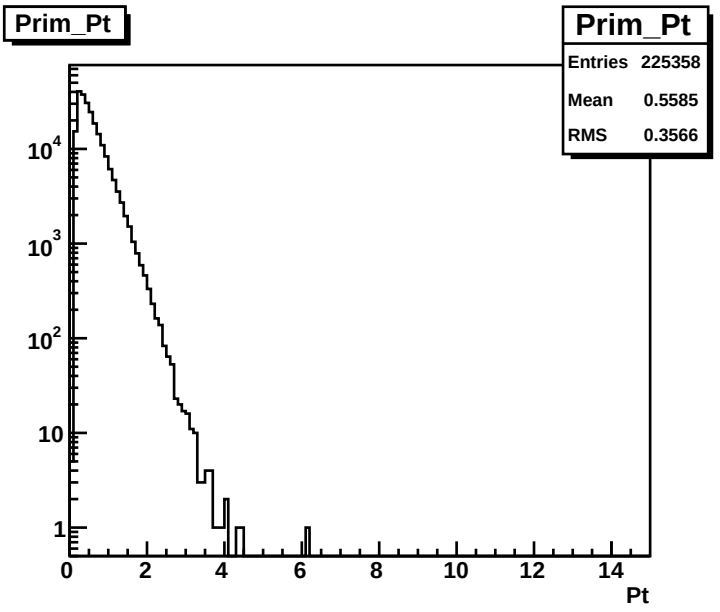

dEdx_P1
dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

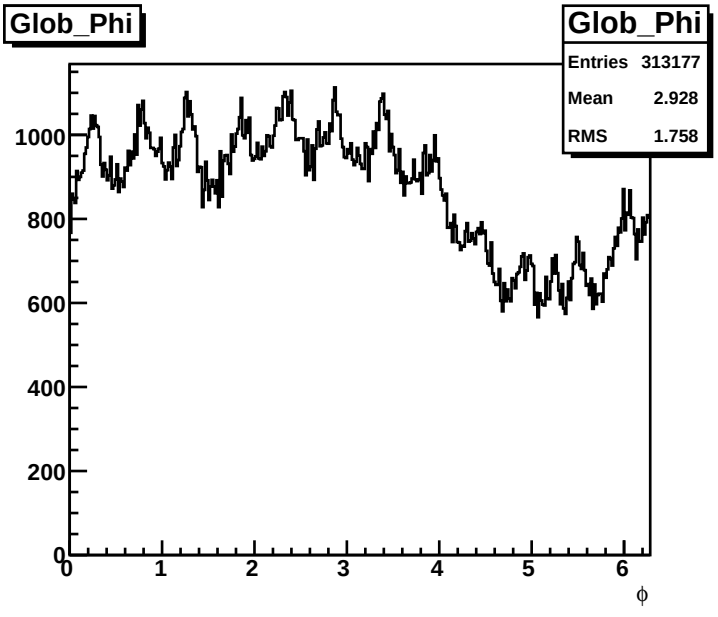

dEdx_P2
dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

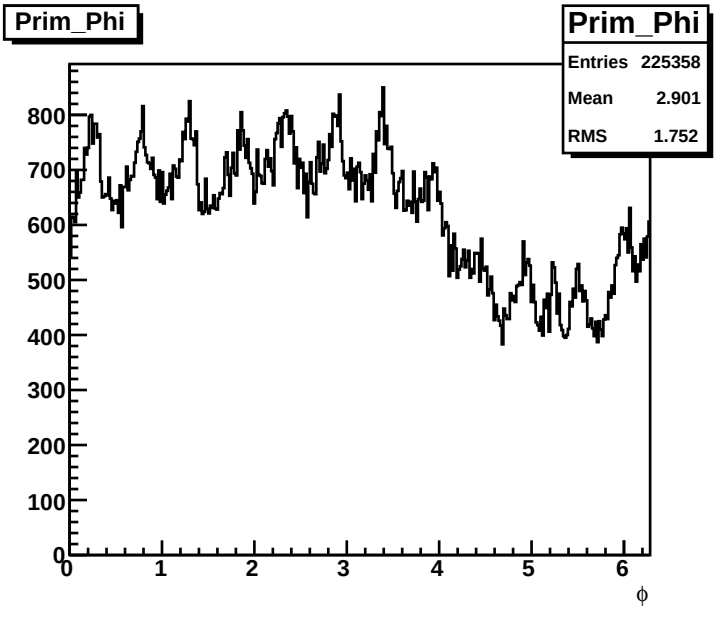

nHits
nHits
Entries 1560352
Mean 15.69
RMS 10.73
nHits

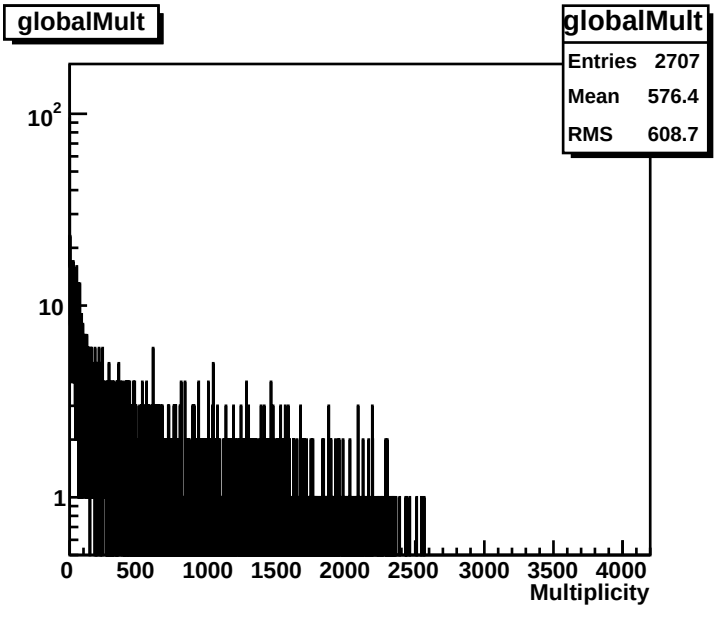

Ln_dEdx
Ln_dEdx
Entries 27813
Mean -12.9
RMS 0.1437
χ² / ndf 167 / 157
Apt 224 ± 2.0
Pos -12.94 ± 0.00
Sig 0.08319 ± 0.00066
log(dEdx) GeV/cm)

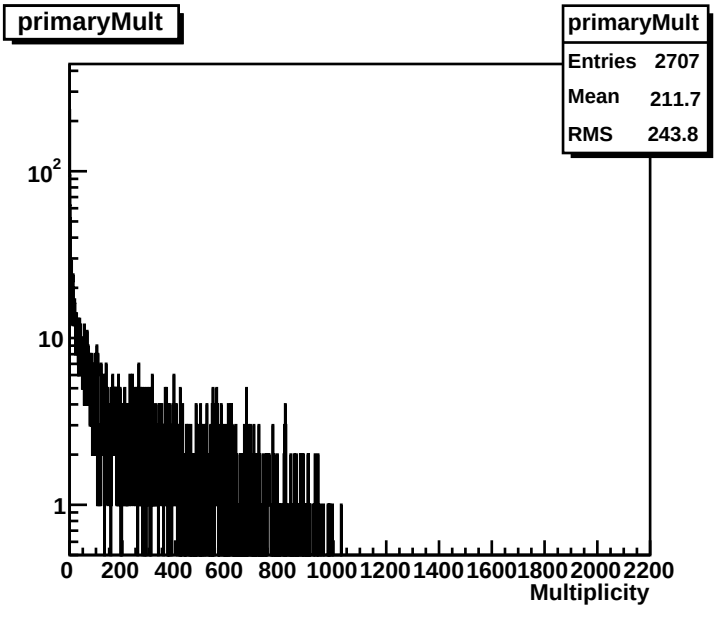

Glob_Pt
Glob_Pt
Entries 313177
Mean 0.5087
RMS 0.3575
Pt

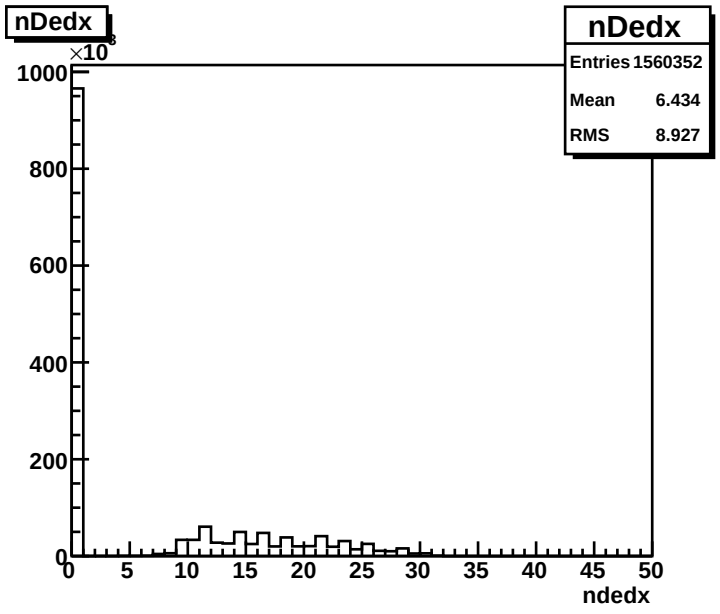

Prim_Pt
Prim_Pt
Entries 225358
Mean 0.5585
RMS 0.3566
Pt

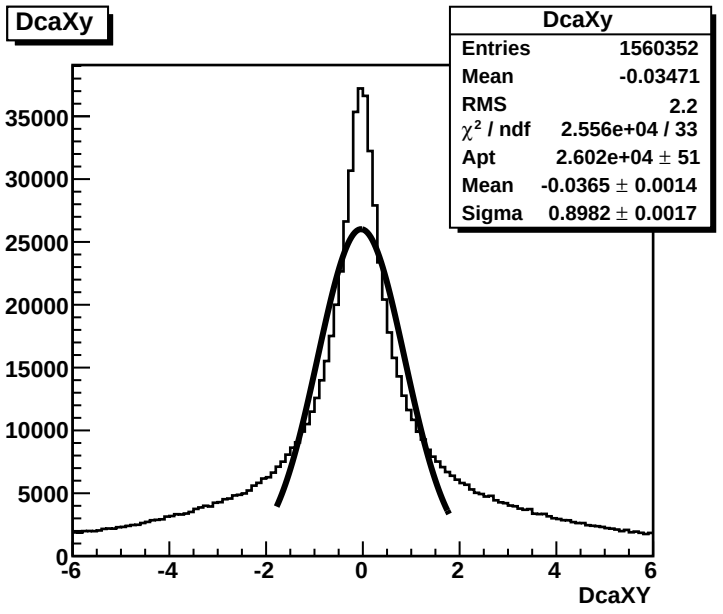

Glob_Phi
Glob_Phi
Entries 313177
Mean 2.928
RMS 1.758
ϕ

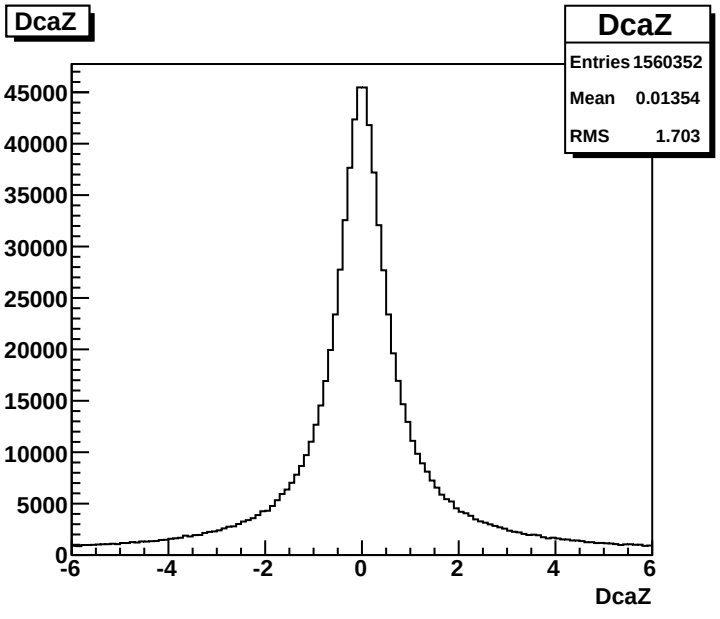

Prim_Phi
Prim_Phi
Entries 225358
Mean 2.901
RMS 1.752
ϕ

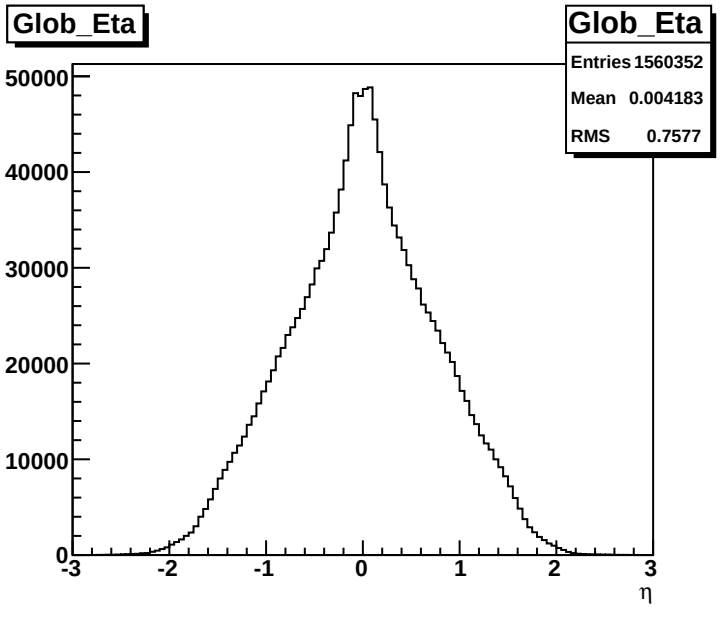

globalMult
globalMult
Entries 2707
Mean 576.4
RMS 608.7
Multiplicity

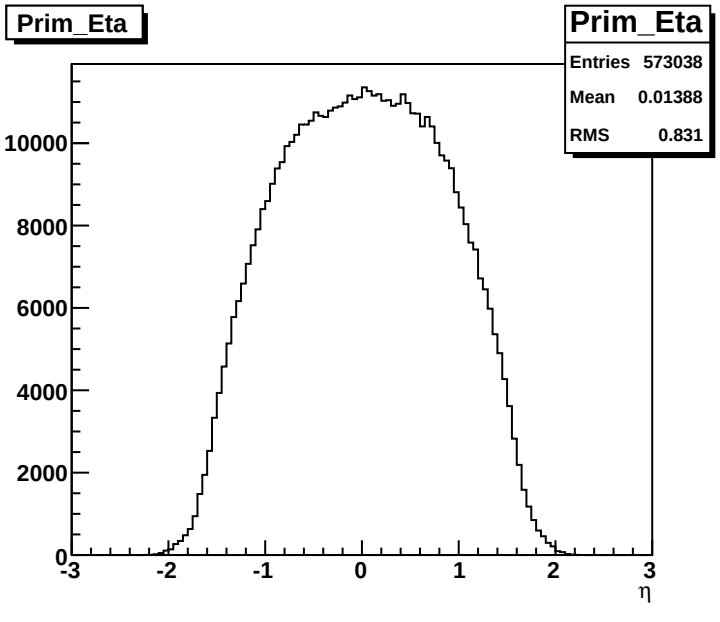

primaryMult
primaryMult
Entries 2707
Mean 211.7
RMS 243.8
Multiplicity

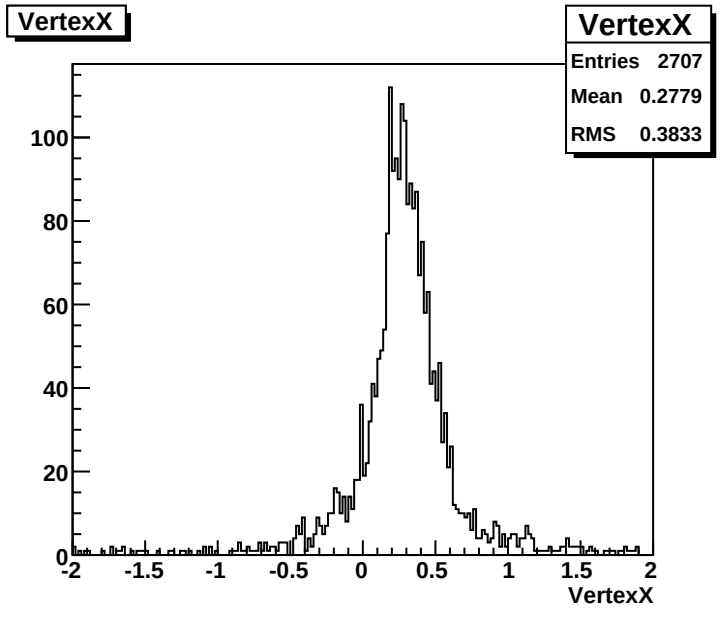

nDedx
nDedx
Entries 1560352
Mean 6.434
RMS 8.927
×10³
ndedx

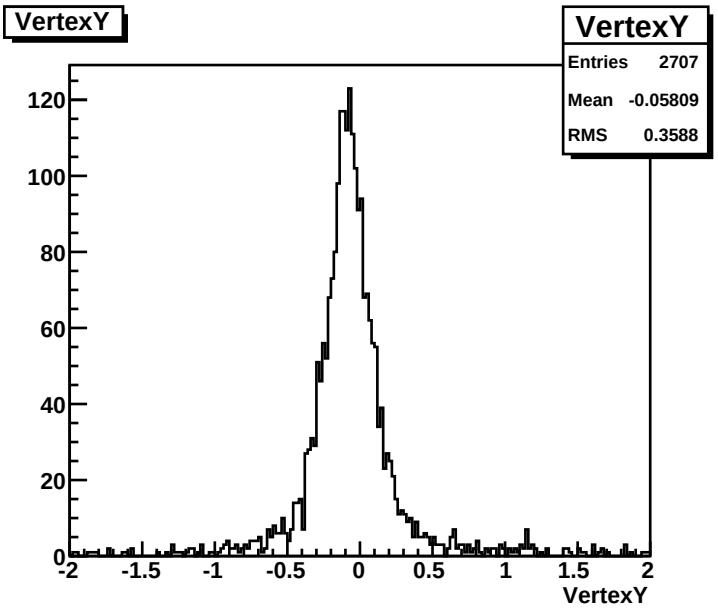

DcaXy
DcaXy
Entries 1560352
Mean -0.03471
RMS 2.2
χ² / ndf 2.556e+04 / 33
Apt 2.602e+04 ± 51
Mean -0.0365 ± 0.0014
Sigma 0.8982 ± 0.0017
DcaXY

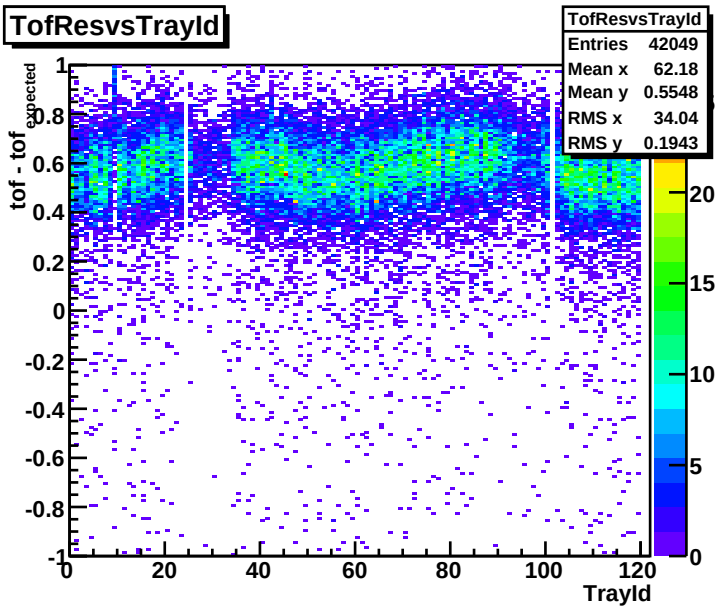

DcaZ
DcaZ
Entries 1560352
Mean 0.01354
RMS 1.703
DcaZ

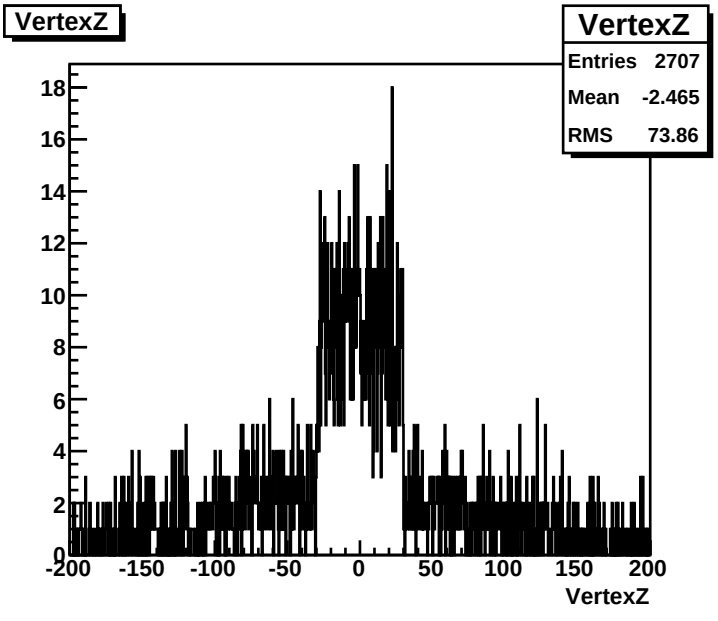

Glob_Eta
Glob_Eta
Entries 1560352
Mean 0.004183
RMS 0.7577
η

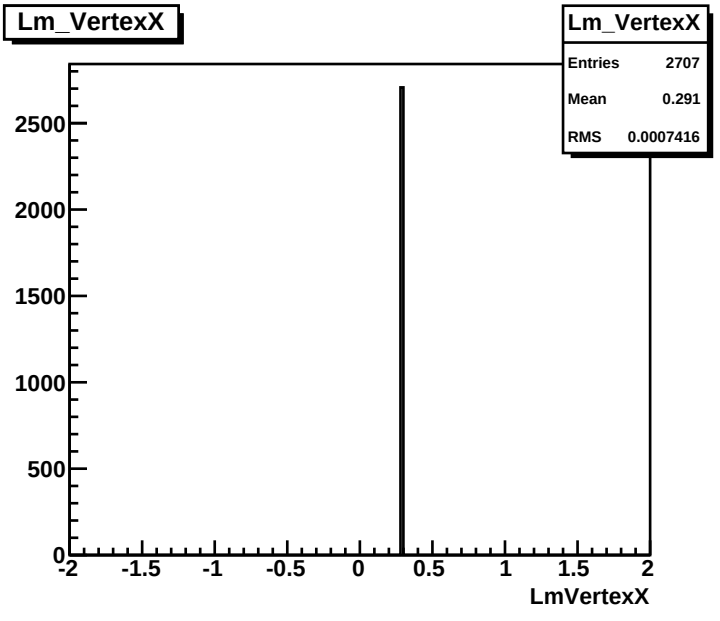

Prim_Eta
Prim_Eta
Entries 573038
Mean 0.01388
RMS 0.831
η

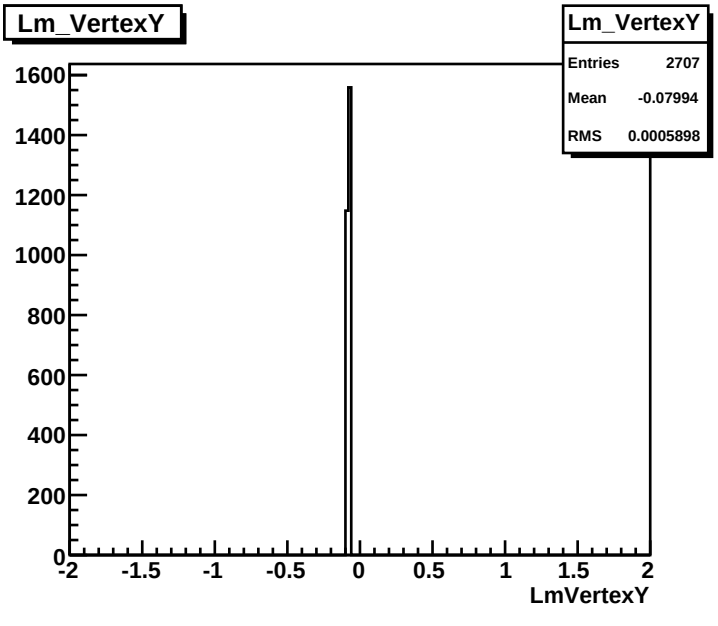

VertexX
VertexX
Entries 2707
Mean 0.2779
RMS 0.3833
VertexX

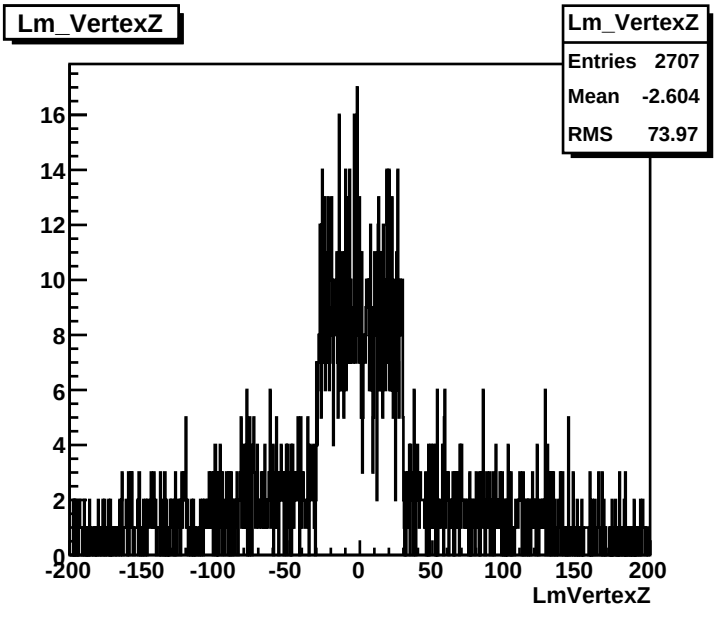

VertexY
VertexY
Entries 2707
Mean -0.05809
RMS 0.3588
VertexY

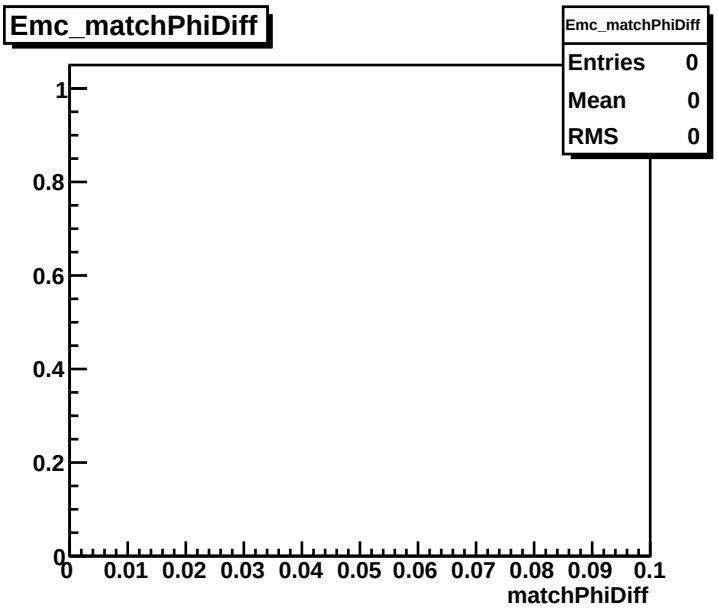

TofResvsTrayId
TofResvsTrayId
Entries 42049
Mean x 62.18
Mean y 0.5548
RMS x 34.04
RMS y 0.1943
tof - tof expected
TrayId

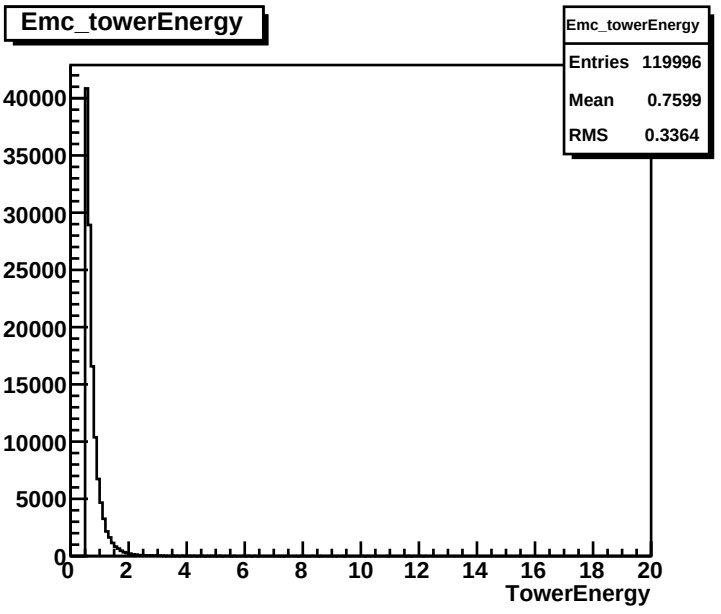

VertexZ
VertexZ
Entries 2707
Mean -2.465
RMS 73.86
VertexZ

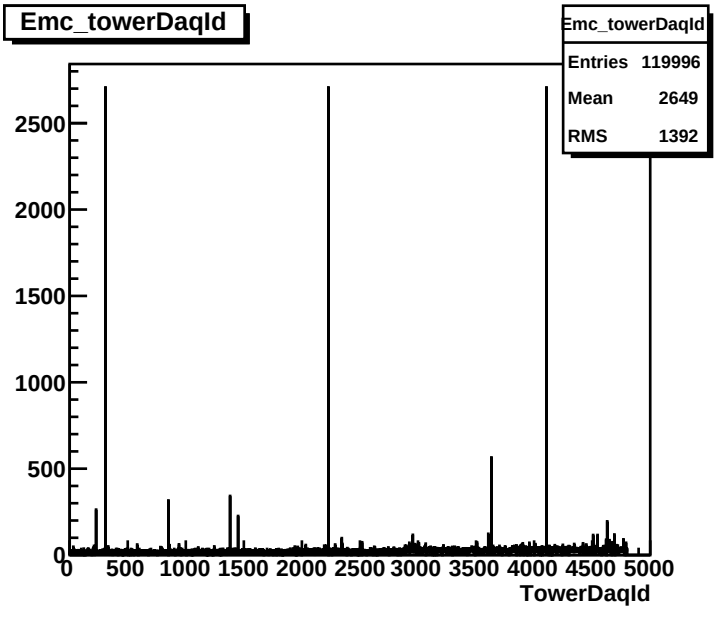

Lm_VertexX
Lm_VertexX
Entries 2707
Mean 0.291
RMS 0.0007416
LmVertexX

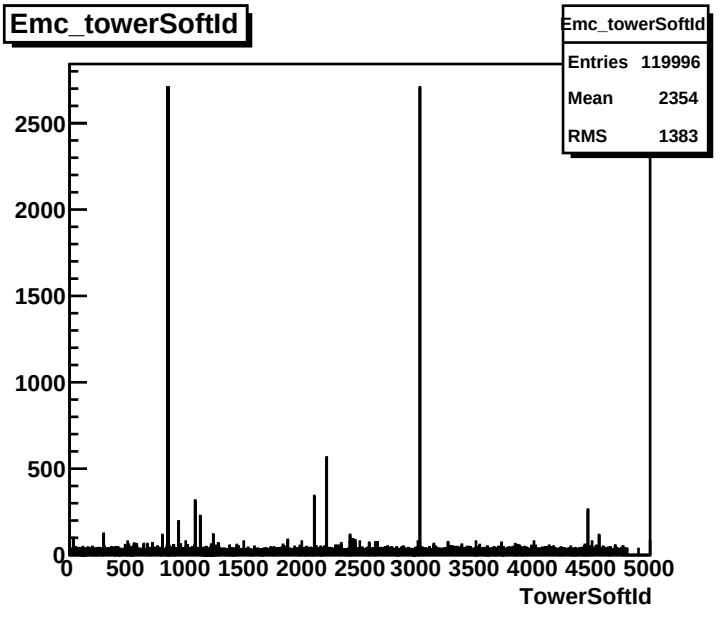

Lm_VertexY
Lm_VertexY
Entries 2707
Mean -0.07994
RMS 0.0005898
LmVertexY

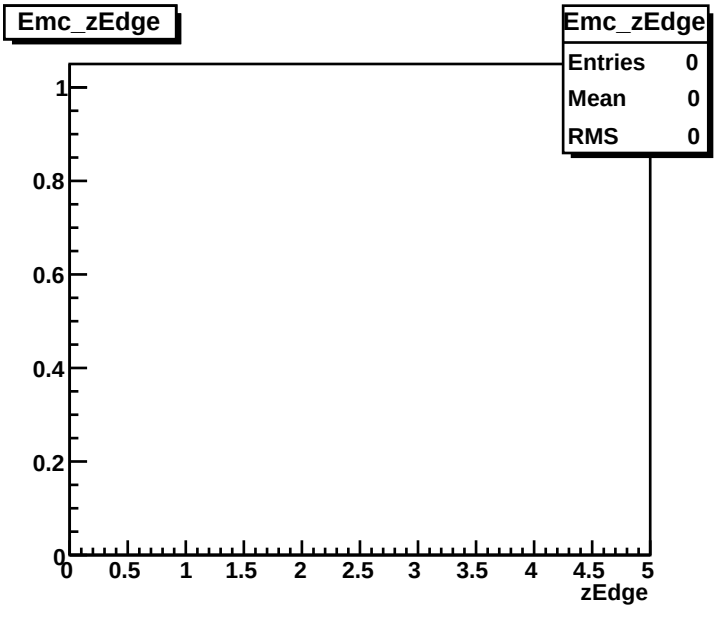

Lm_VertexZ
Lm_VertexZ
Entries 2707
Mean -2.604
RMS 73.97
LmVertexZ

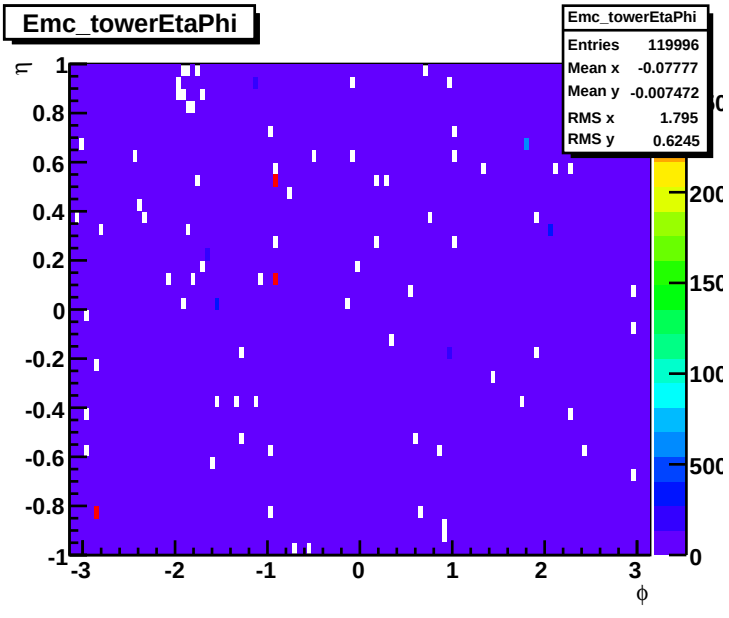

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

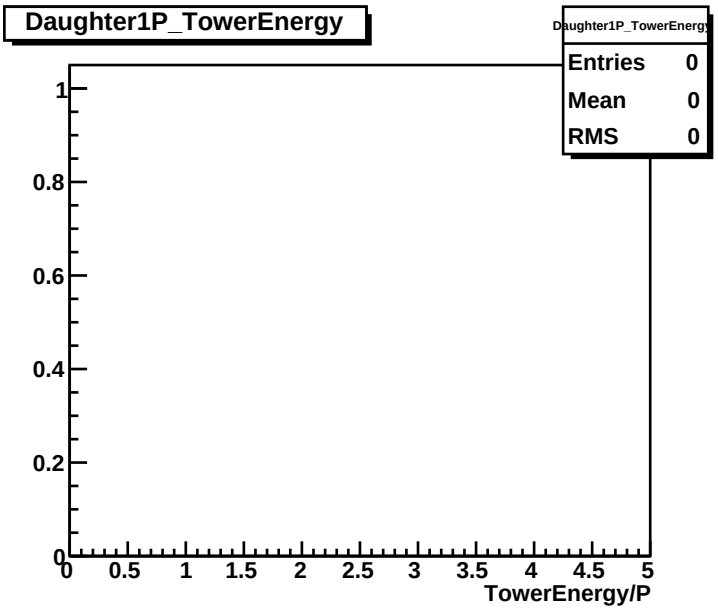

Emc_towerEnergy
Emc_towerEnergy
Entries 119996
Mean 0.7599
RMS 0.3364
TowerEnergy

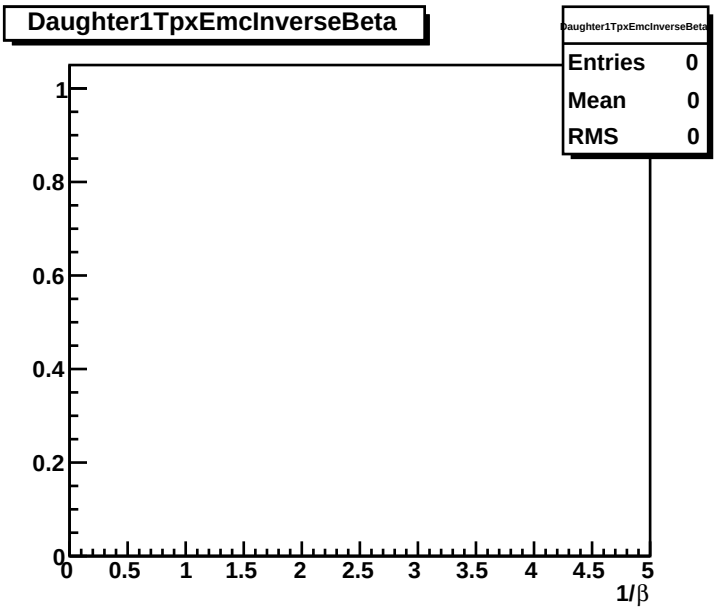

Emc_towerDaqId
Emc_towerDaqId
Entries 119996
Mean 2649
RMS 1392
TowerDaqId

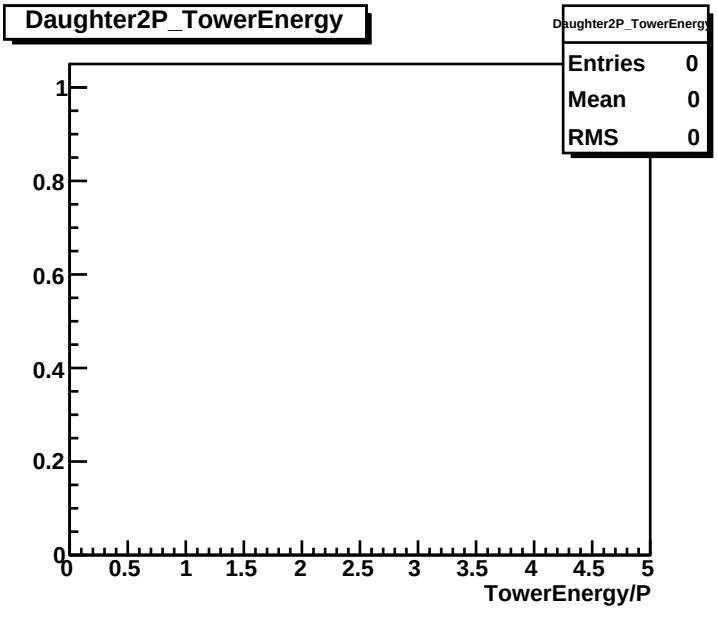

Emc_towerSoftId
Emc_towerSoftId
Entries 119996
Mean 2354
RMS 1383
TowerSoftId

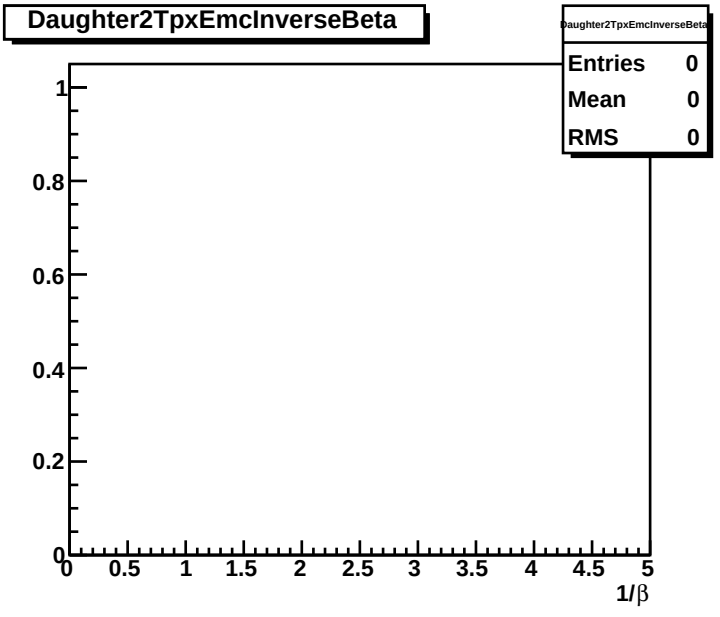

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

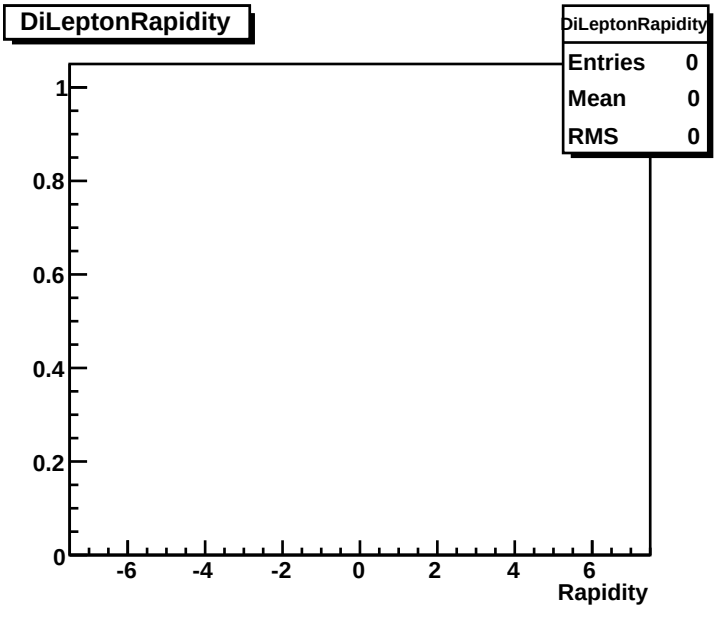

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 119996
Mean x -0.07777
Mean y -0.007472
RMS x 1.795
RMS y 0.6245
η
ϕ

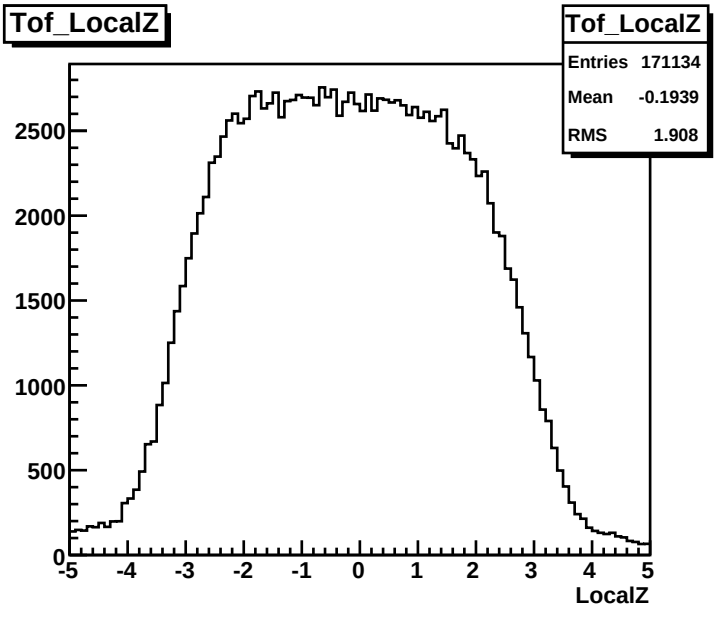

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

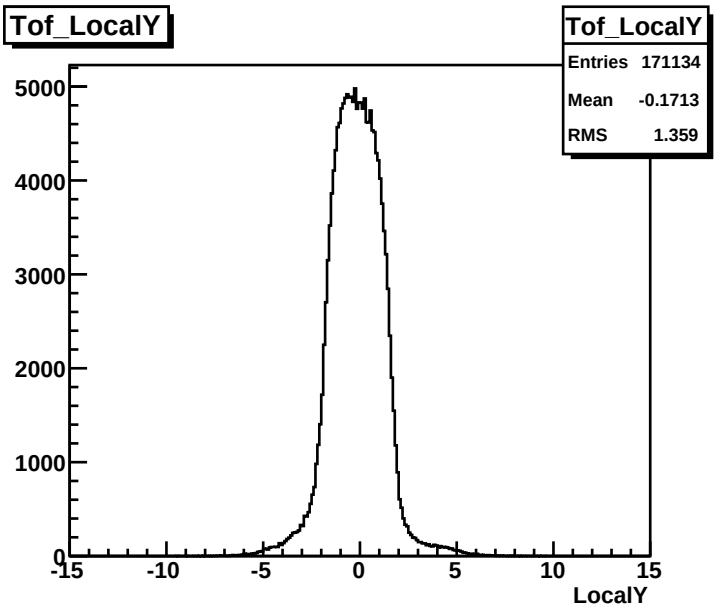

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

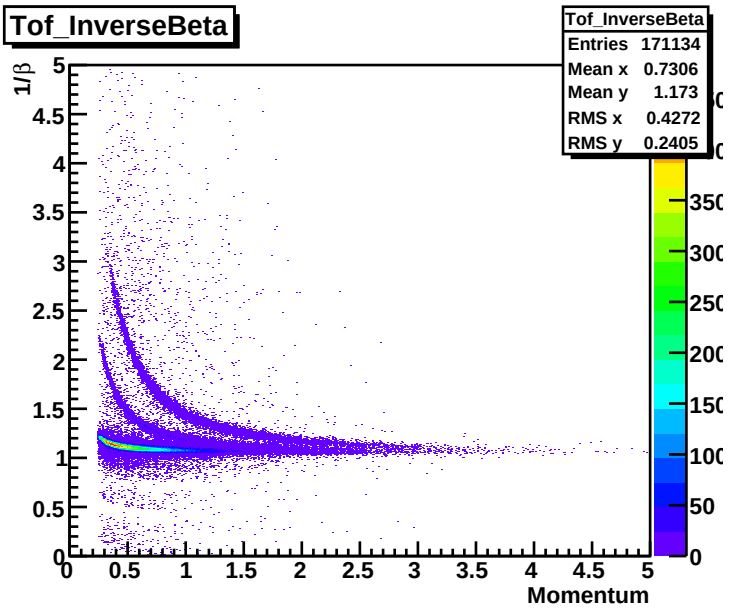

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

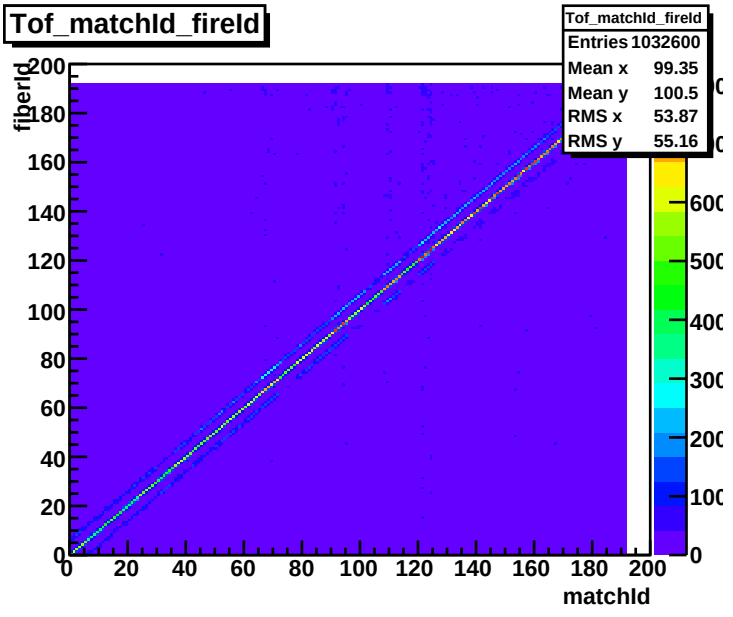

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

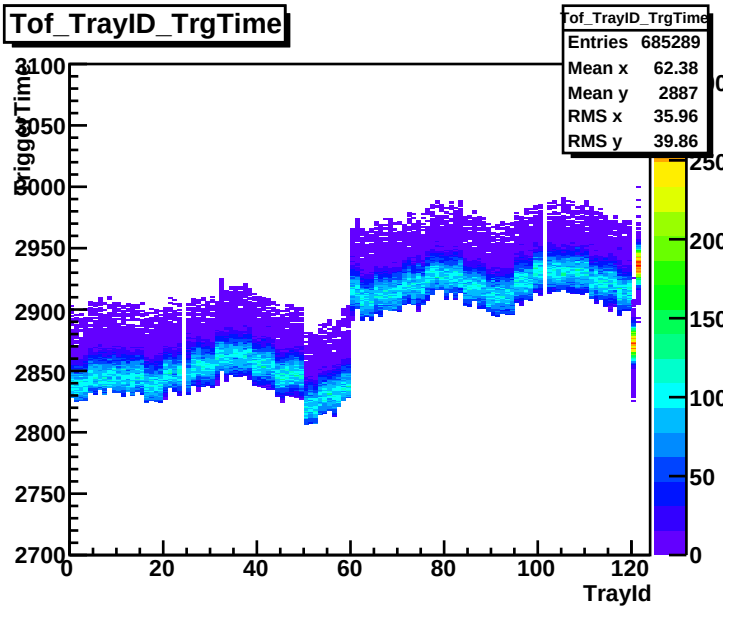

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

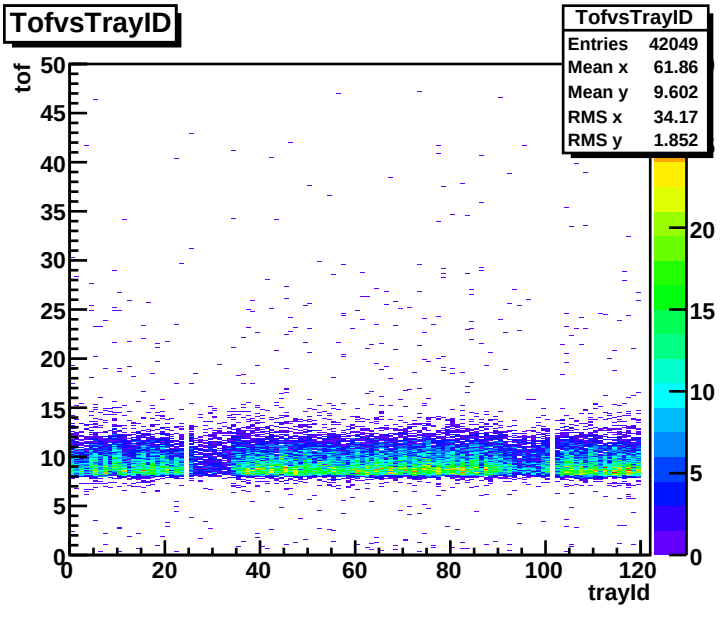

Tof_LocalZ
Tof_LocalZ
Entries 171134
Mean -0.1939
RMS 1.908
LocalZ

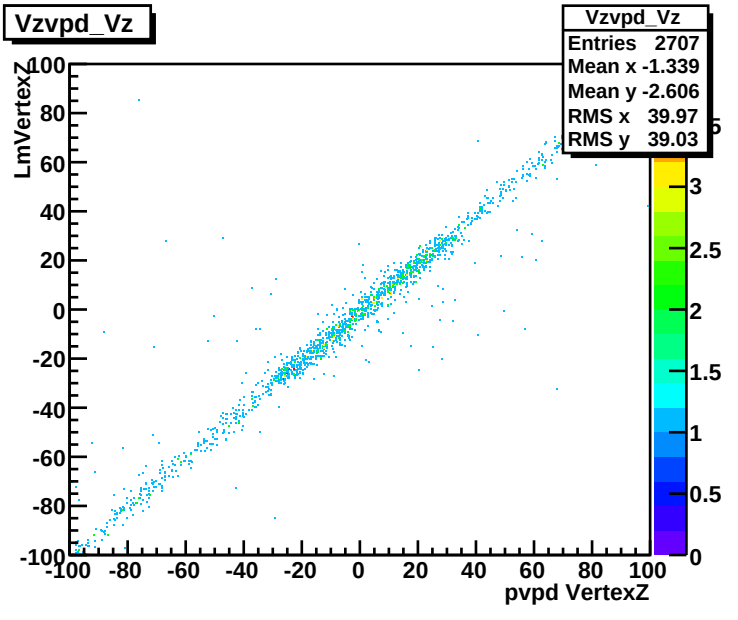

Tof_LocalY
Tof_LocalY
Entries 171134
Mean -0.1713
RMS 1.359
LocalY

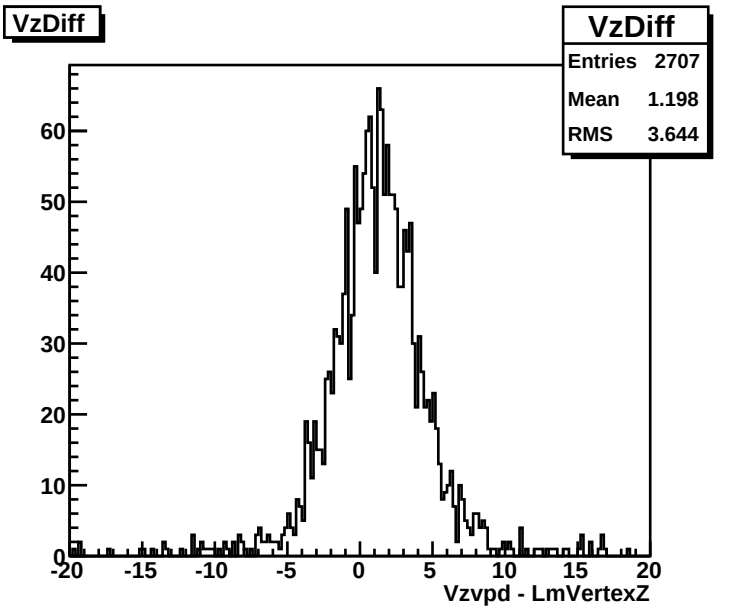

Tof_InverseBeta
Tof_InverseBeta
Entries 171134
Mean x 0.7306
Mean y 1.173
RMS x 0.4272
RMS y 0.2405
1/β
Momentum

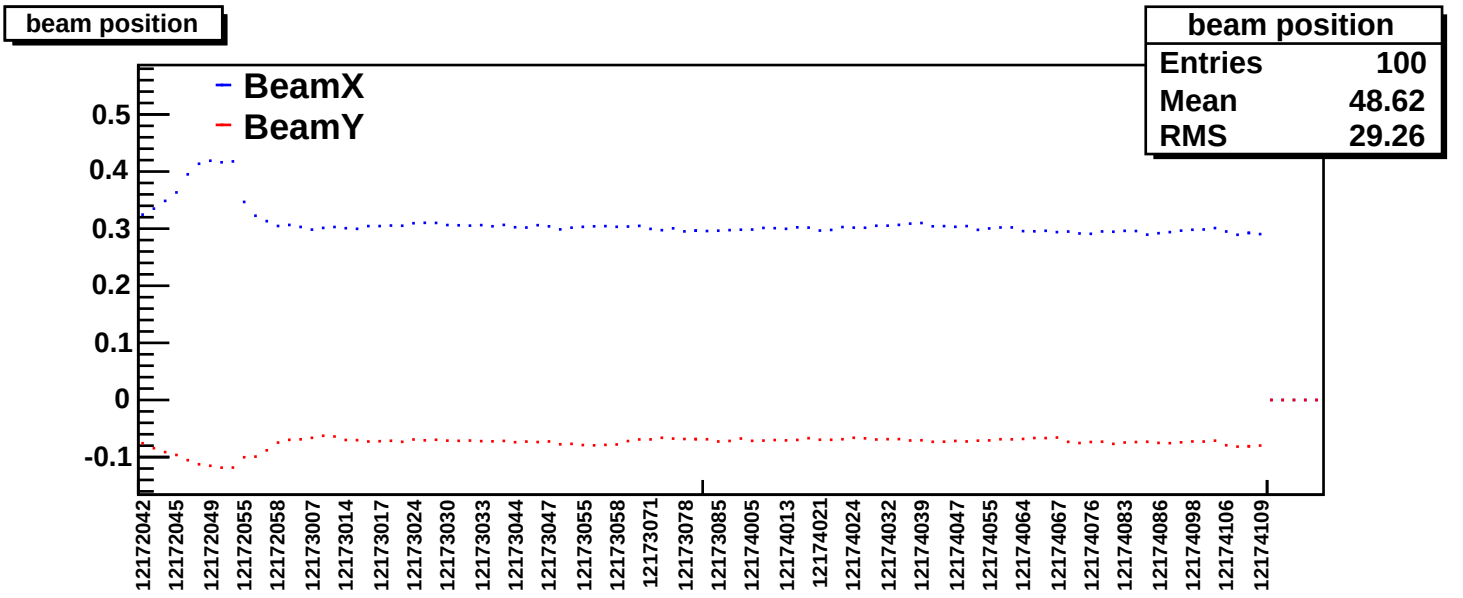

Tof_matchId_fireId
Tof_matchId_fireId
Entries 1032600
Mean x 99.35
Mean y 100.5
RMS x 53.87
RMS y 55.16
fiberId
matchId

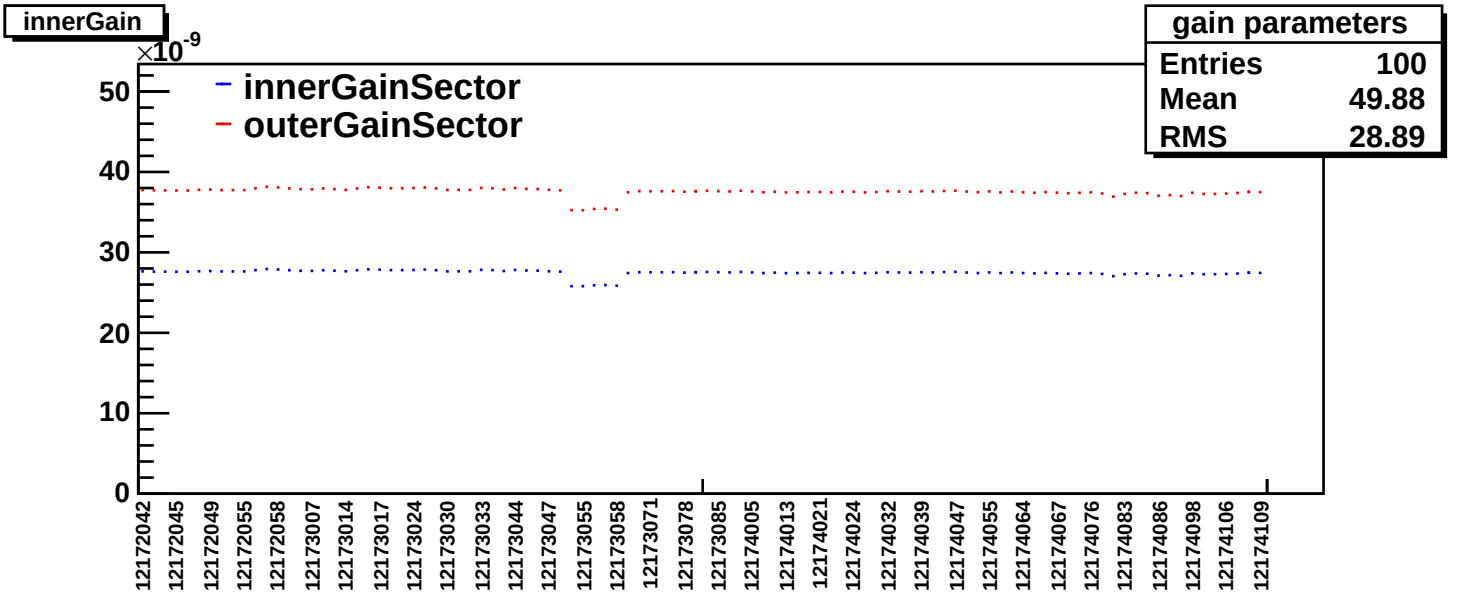

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 685289
Mean x 62.38
Mean y 2887
RMS x 35.96
RMS y 39.86
TrayId

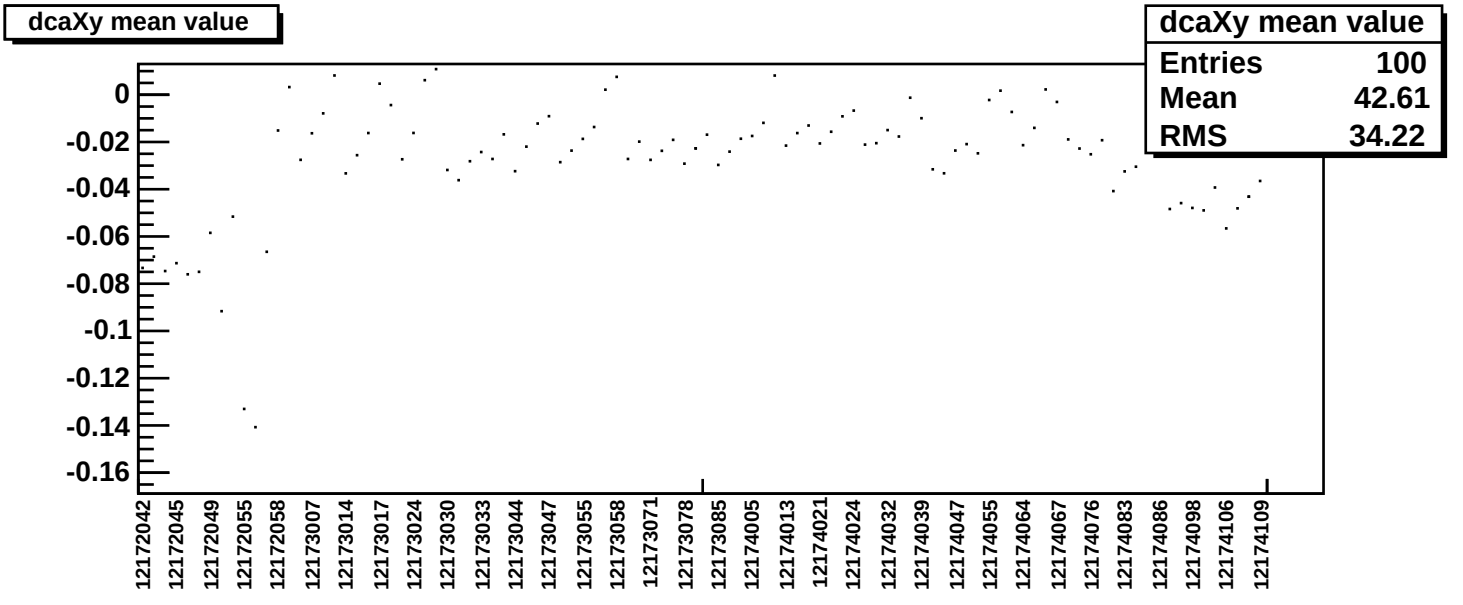

TofvsTrayID
TofvsTrayID
Entries 42049
Mean x 61.86
Mean y 9.602
RMS x 34.17
RMS y 1.852
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 2707
Mean x -1.339
Mean y -2.606
RMS x 39.97
RMS y 39.03
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 2707
Mean 1.198
RMS 3.644
60
50
40
30
20
10
0
-20
-15
-10
-5
0
5
10
15
20
Vzvpd - LmVertexZ


beam position
BeamX
BeamY
beam position
Entries 100
Mean 48.62
RMS 29.26
0.5
0.4
0.3
0.2
0.1
0
-0.1
12172042 12172045 12172049 12172055 12172058 12173007 12173014 12173017 12173024 12173030 12173033 12173044 12173047 12173055 12173058 12173071 12173078 12173085 12174005 12174013 12174021 12174024 12174032 12174039 12174047 12174055 12174064 12174067 12174076 12174083 12174086 12174098 12174106 12174109


innerGain
×10^-9
innerGainSector
outerGainSector
gain parameters
Entries 100
Mean 49.88
RMS 28.89
50
40
30
20
10
0
12172042 12172045 12172049 12172055 12172058 12173007 12173014 12173017 12173024 12173030 12173033 12173044 12173047 12173055 12173058 12173071 12173078 12173085 12174005 12174013 12174021 12174024 12174032 12174039 12174047 12174055 12174064 12174067 12174076 12174083 12174086 12174098 12174106 12174109


dcaXy mean value
dcaXy mean value
Entries 100
Mean 42.61
RMS 34.22
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
-0.16
12172042 12172045 12172049 12172055 12172058 12173007 12173014 12173017 12173024 12173030 12173033 12173044 12173047 12173055 12173058 12173071 12173078 12173085 12174005 12174013 12174021 12174024 12174032 12174039 12174047 12174055 12174064 12174067 12174076 12174083 12174086 12174098 12174106 12174109