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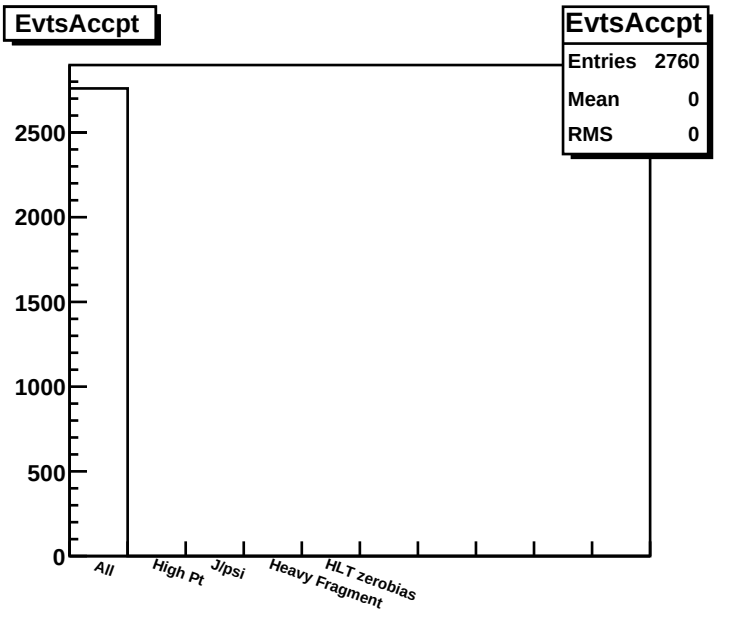
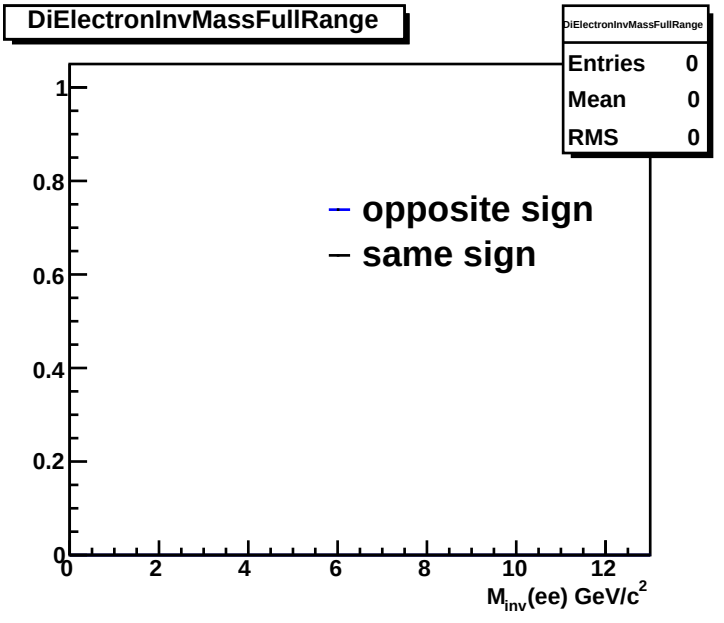
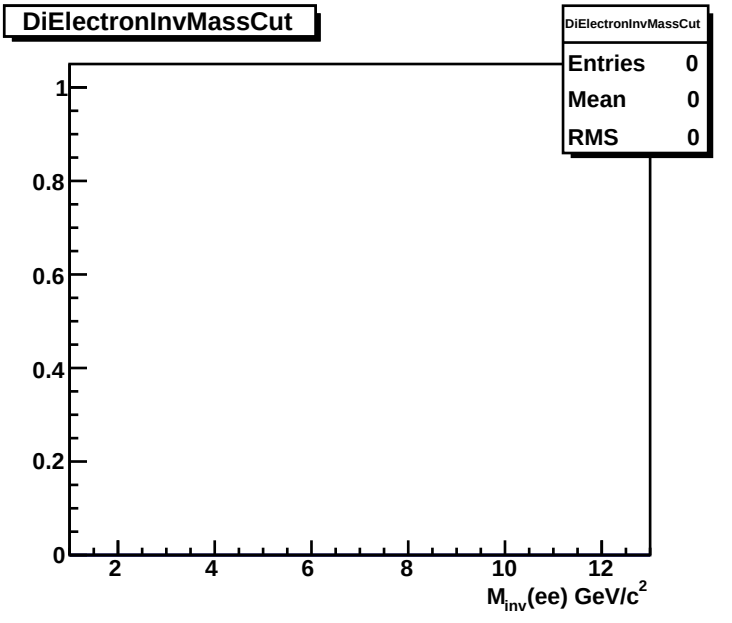
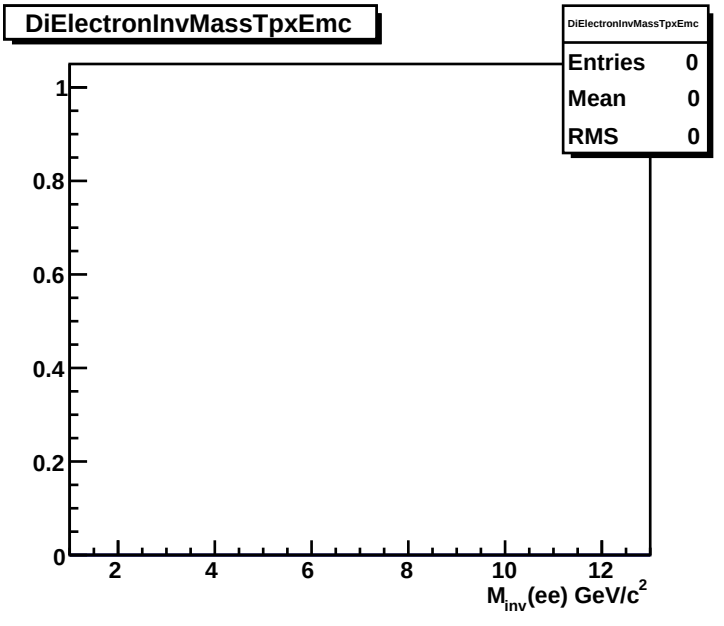
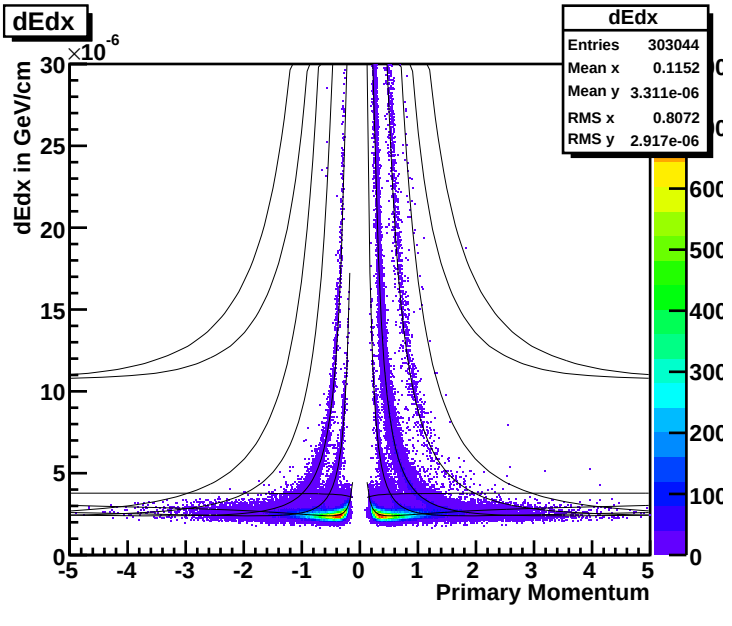
Tue Jun 21 15:22:19 2011

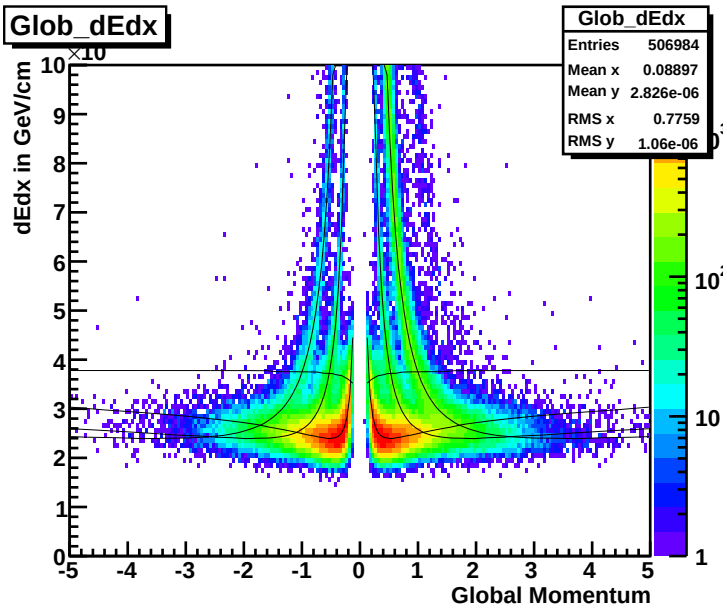


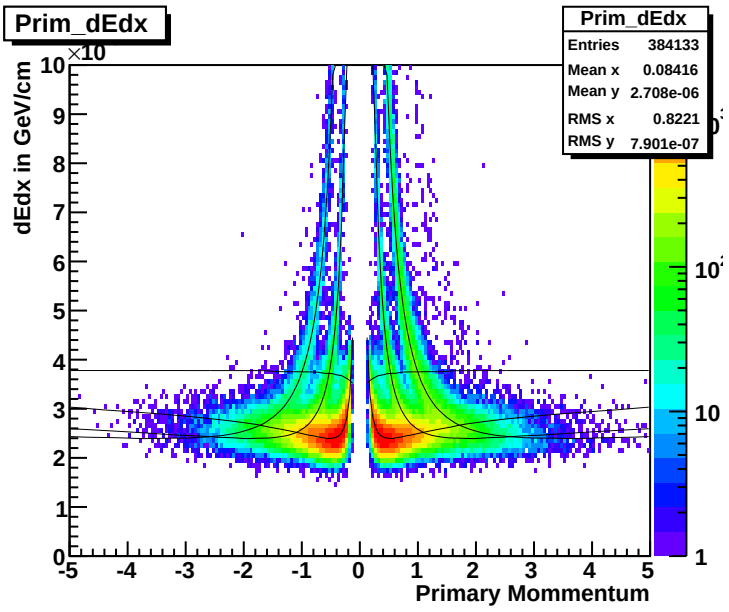


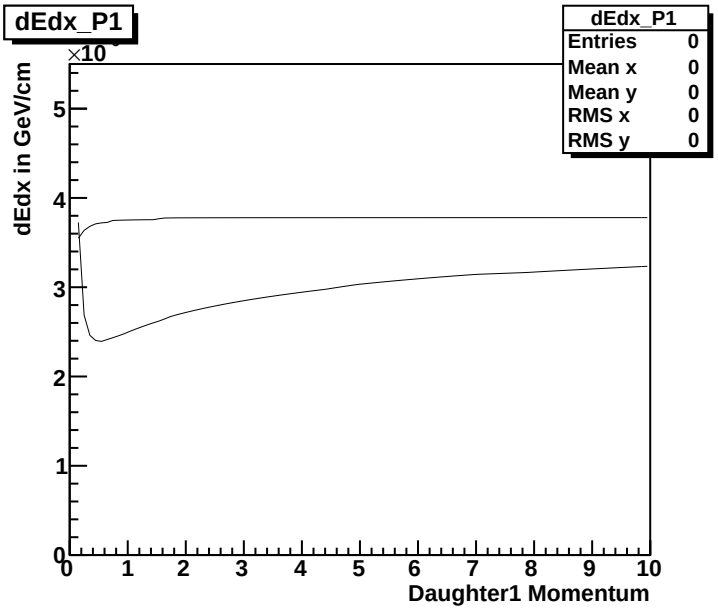


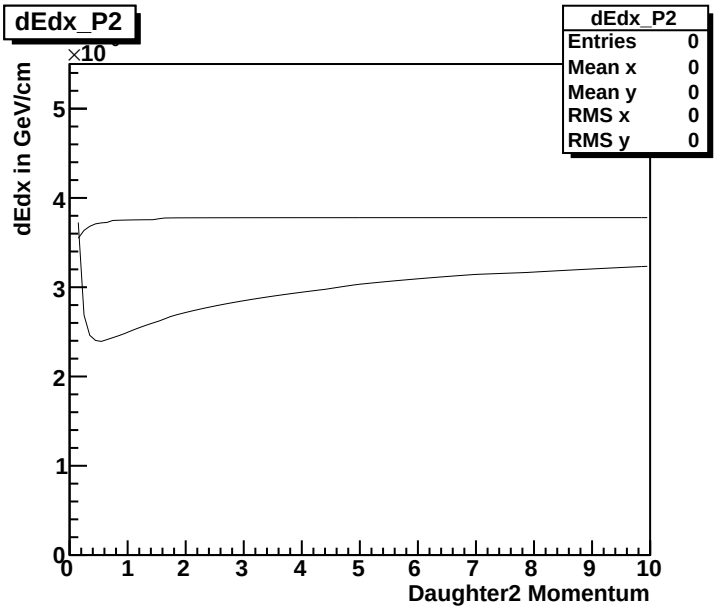


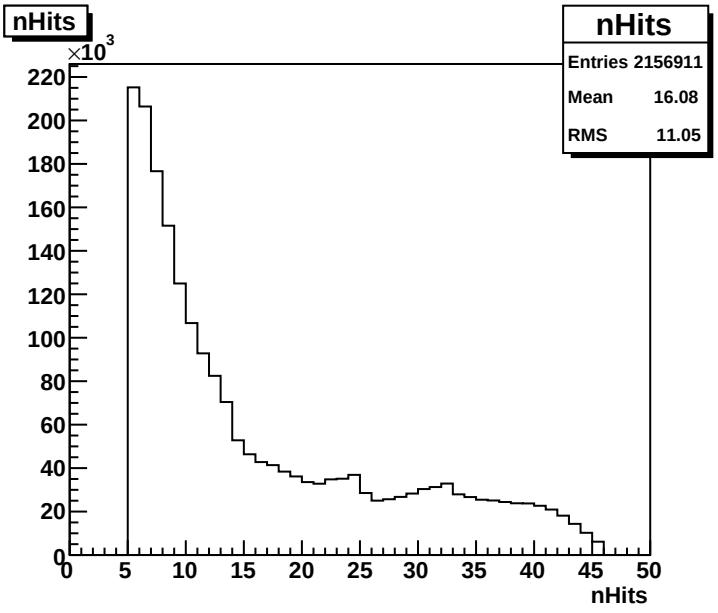


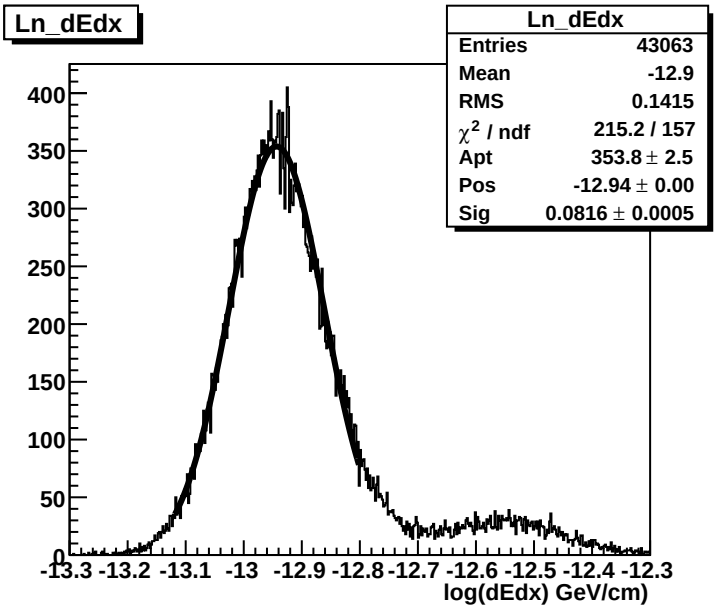

Glob_dEdx
Entries 506984
Mean x 0.08897
Mean y 2.826e-06
RMS x 0.7759
RMS y 1.06e-06
dEdx in GeV/cm
Global Momentum

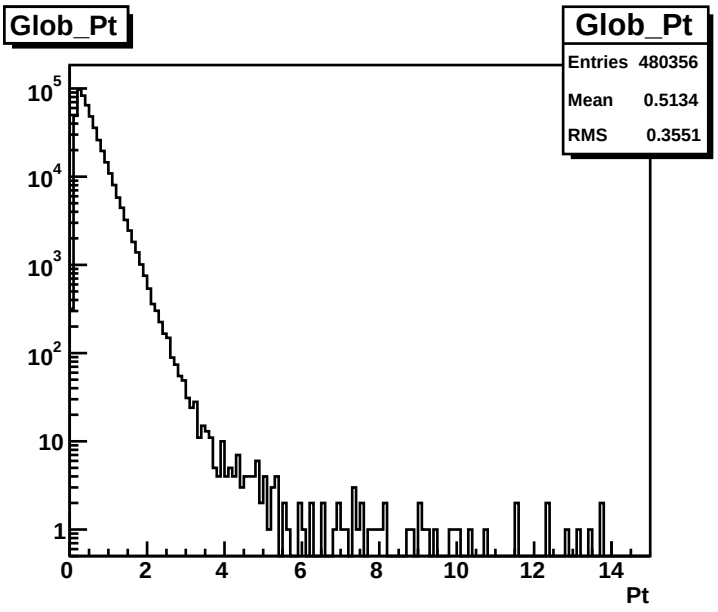

Prim_dEdx
Entries 384133
Mean x 0.08416
Mean y 2.708e-06
RMS x 0.8221
RMS y 7.901e-07
dEdx in GeV/cm
Primary Mommentum

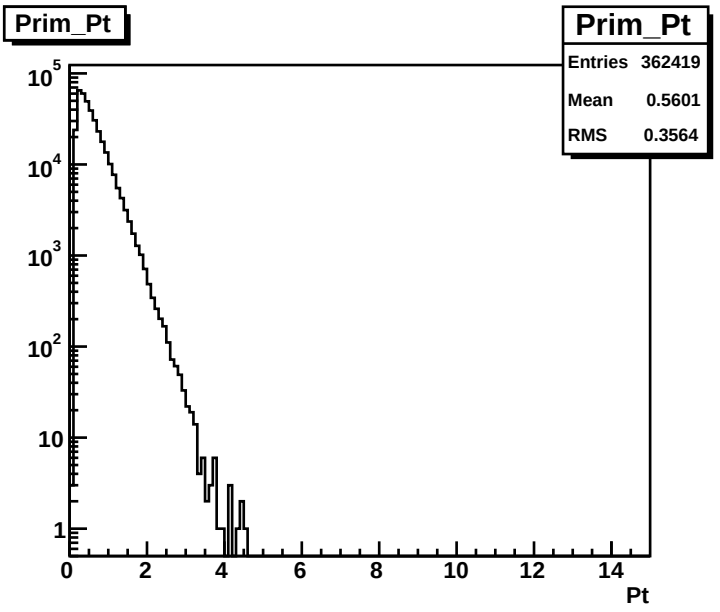

dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

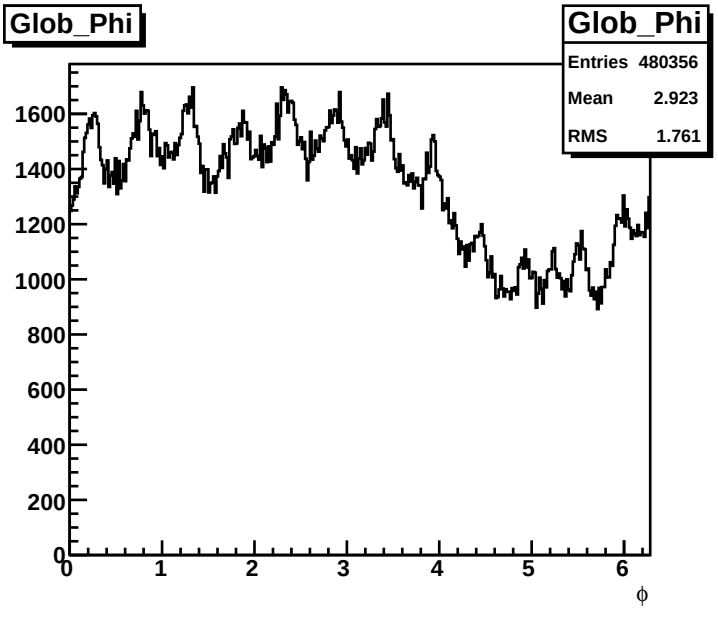

dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

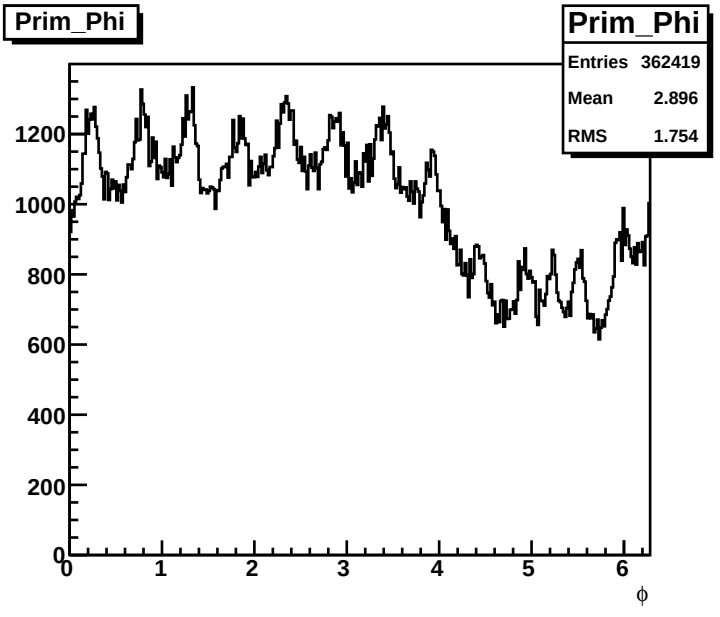

nHits
Entries 2156911
Mean 16.08
RMS 11.05
nHits

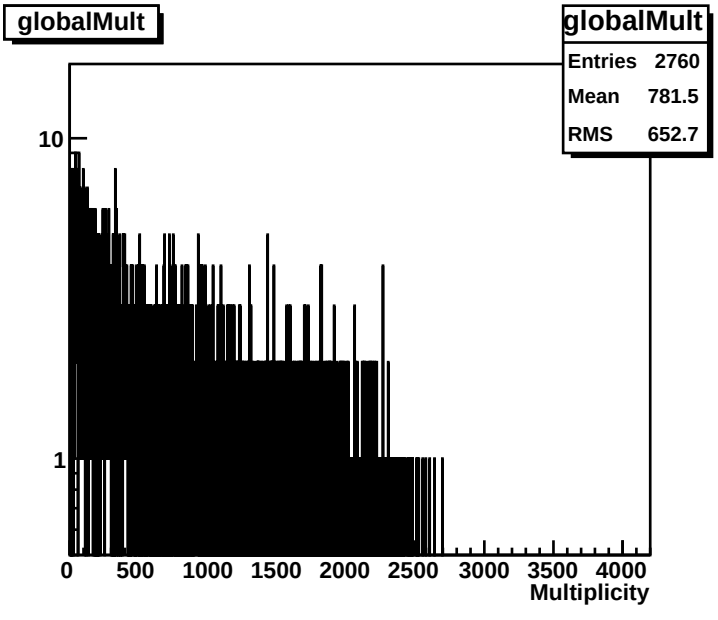

Ln_dEdx
Entries 43063
Mean -12.9
RMS 0.1415
χ2 / ndf 215.2 / 157
Apt 353.8 ± 2.5
Pos -12.94 ± 0.00
Sig 0.0816 ± 0.0005
log(dEdx) GeV/cm

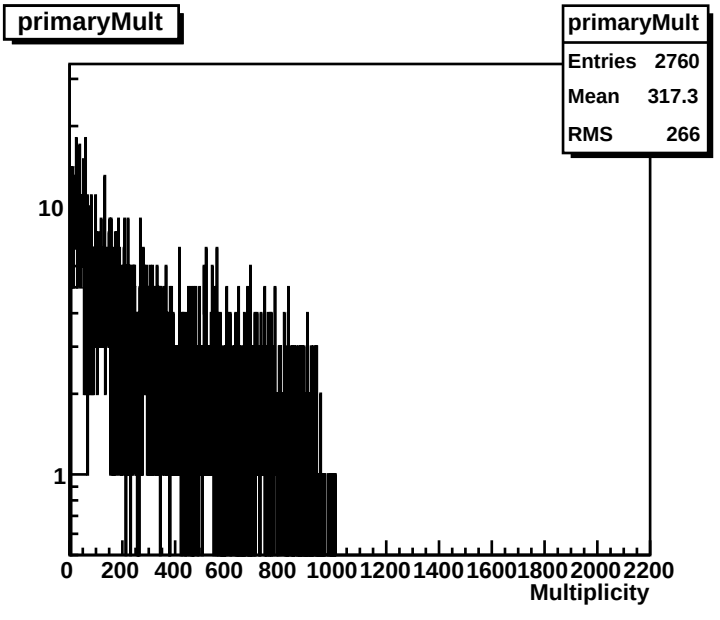

Glob_Pt
Glob_Pt
Entries 480356
Mean 0.5134
RMS 0.3551
Pt

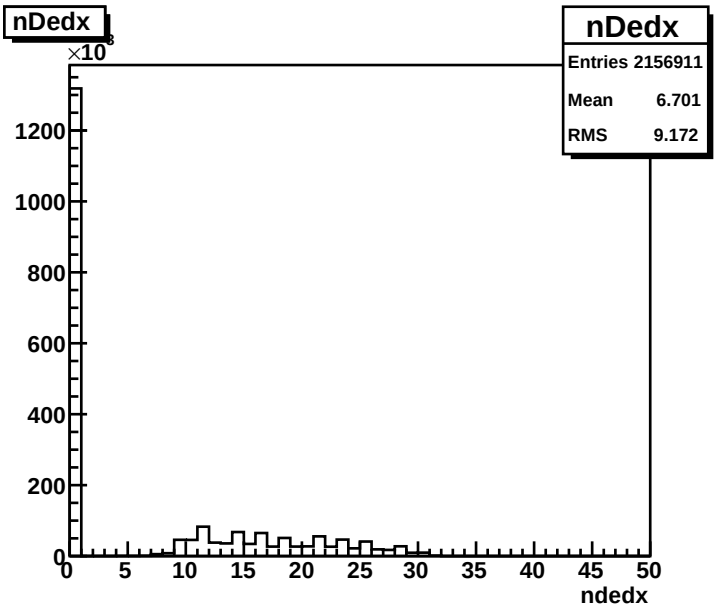

Prim_Pt
Prim_Pt
Entries 362419
Mean 0.5601
RMS 0.3564
Pt

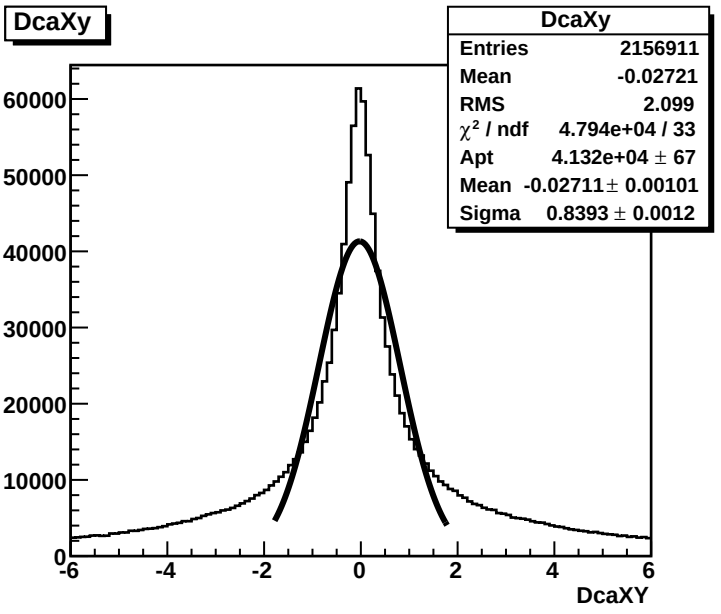

Glob_Phi
Glob_Phi
Entries 480356
Mean 2.923
RMS 1.761
ϕ

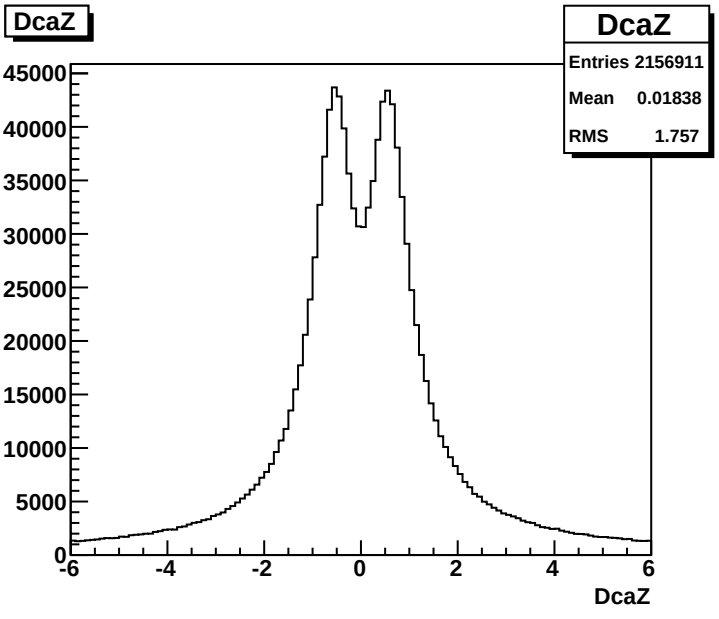

Prim_Phi
Prim_Phi
Entries 362419
Mean 2.896
RMS 1.754
ϕ

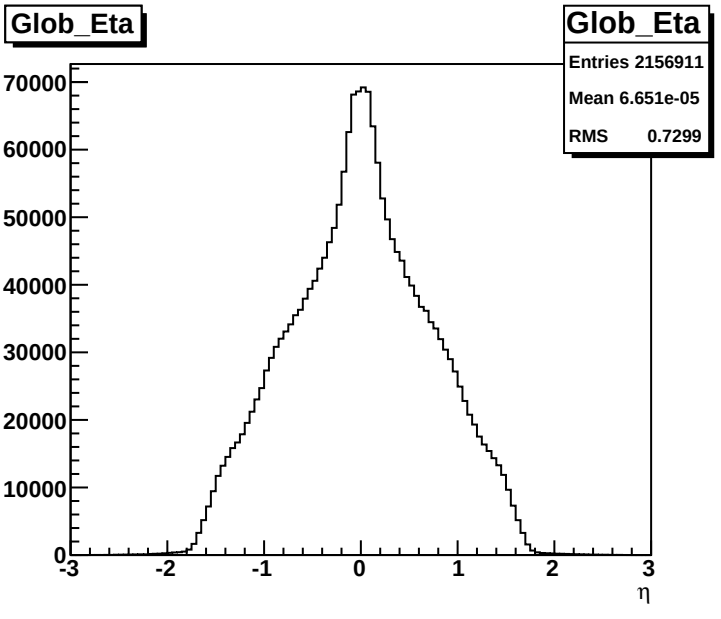

globalMult
globalMult
Entries 2760
Mean 781.5
RMS 652.7
Multiplicity

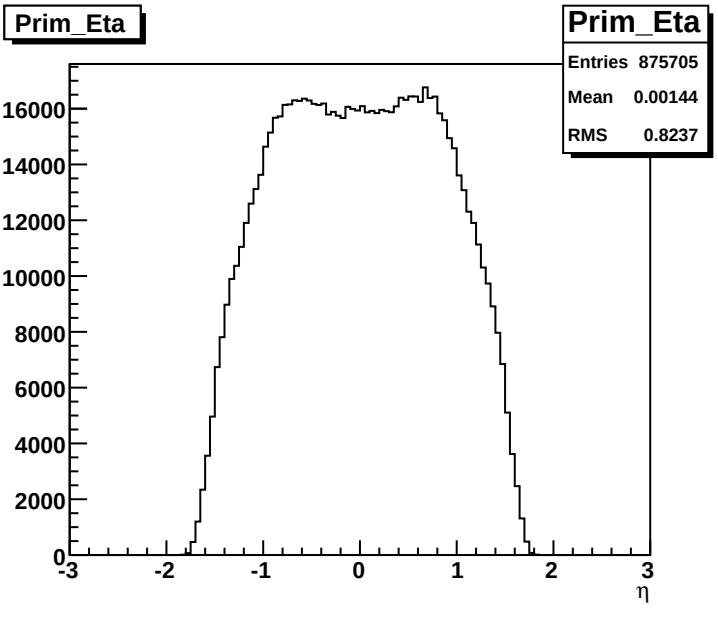

primaryMult
primaryMult
Entries 2760
Mean 317.3
RMS 266
Multiplicity

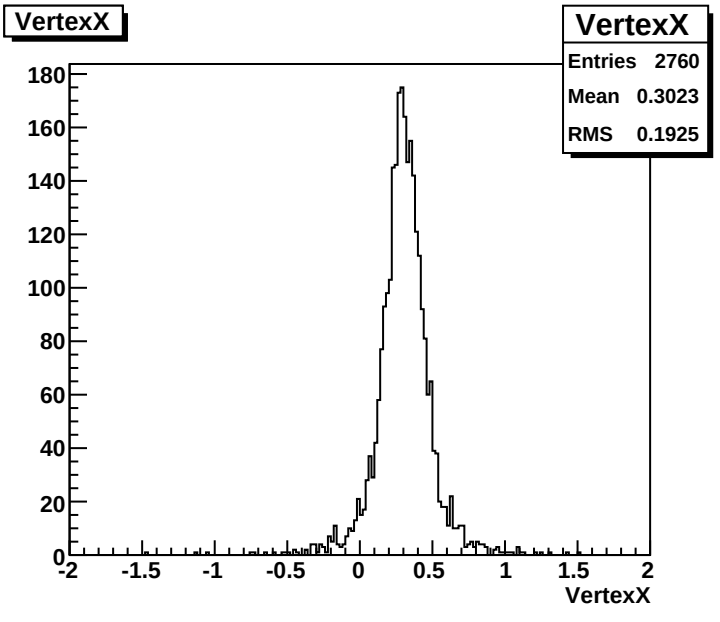

nDedx
nDedx
Entries 2156911
Mean 6.701
RMS 9.172
×10³
ndedx

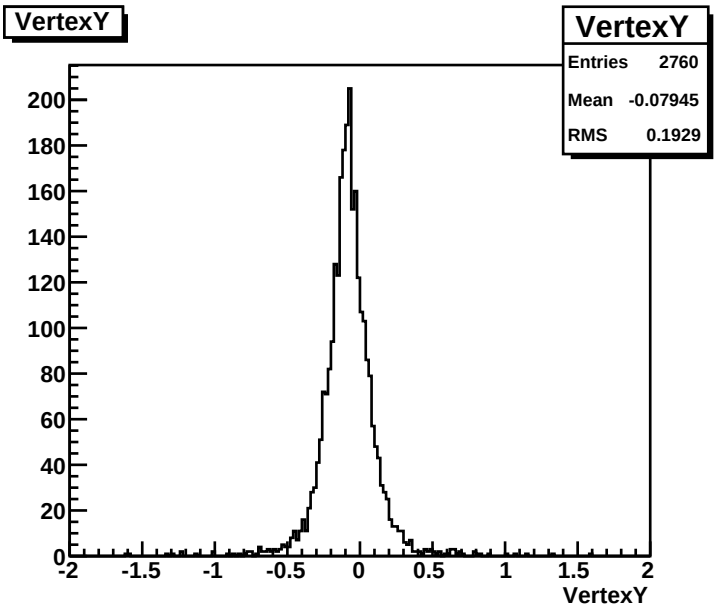

DcaXy
DcaXy
Entries 2156911
Mean -0.02721
RMS 2.099
χ² / ndf 4.794e+04 / 33
Apt 4.132e+04 ± 67
Mean -0.02711 ± 0.00101
Sigma 0.8393 ± 0.0012
DcaXY

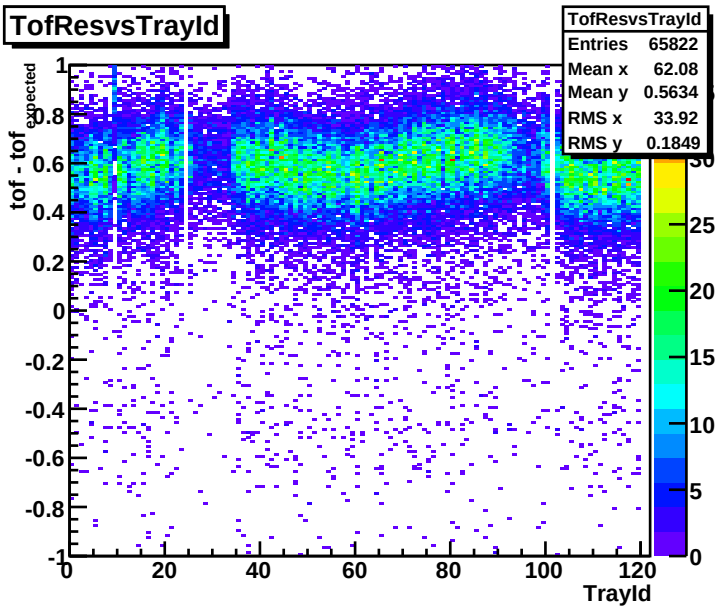

DcaZ
DcaZ
Entries 2156911
Mean 0.01838
RMS 1.757
DcaZ

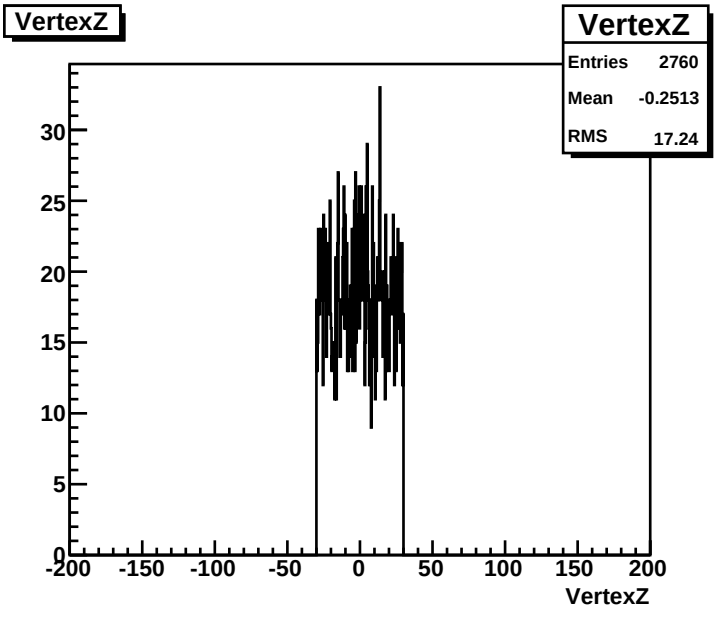

Glob_Eta
Glob_Eta
Entries 2156911
Mean 6.651e-05
RMS 0.7299
η

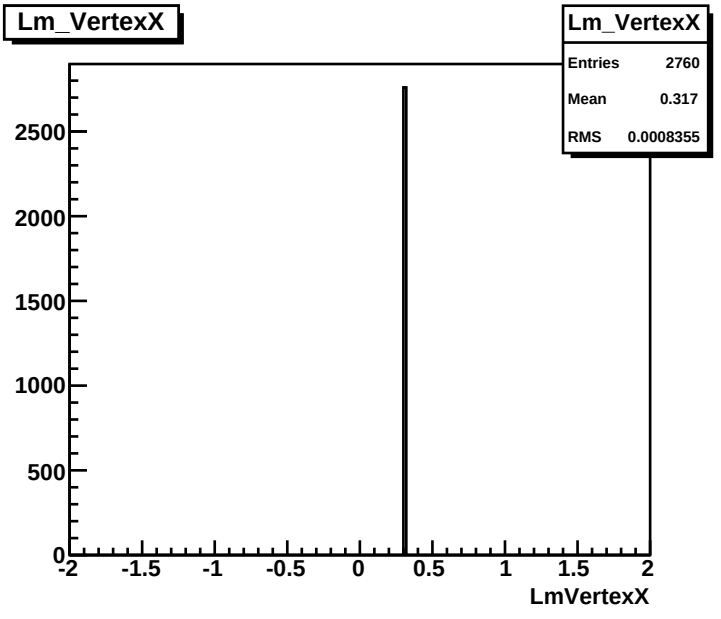

Prim_Eta
Prim_Eta
Entries 875705
Mean 0.00144
RMS 0.8237
η

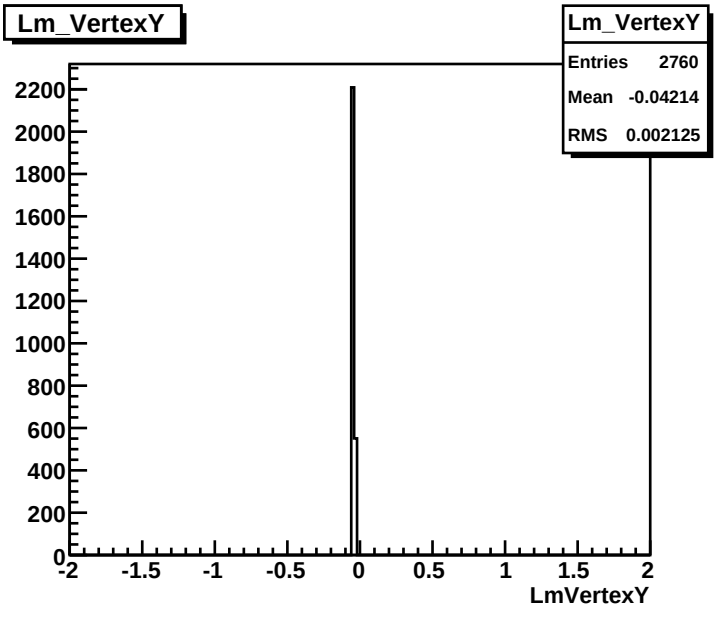

VertexX
VertexX
Entries 2760
Mean 0.3023
RMS 0.1925
VertexX

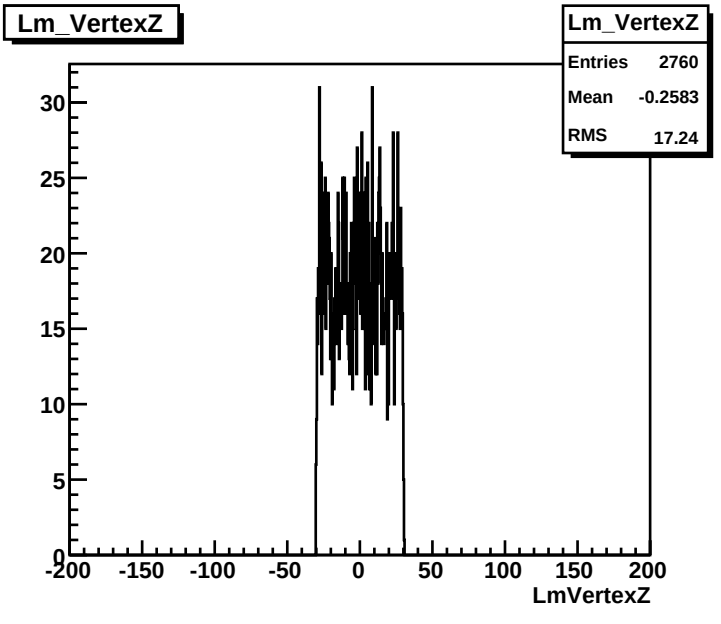

VertexY
VertexY
Entries 2760
Mean -0.07945
RMS 0.1929
VertexY

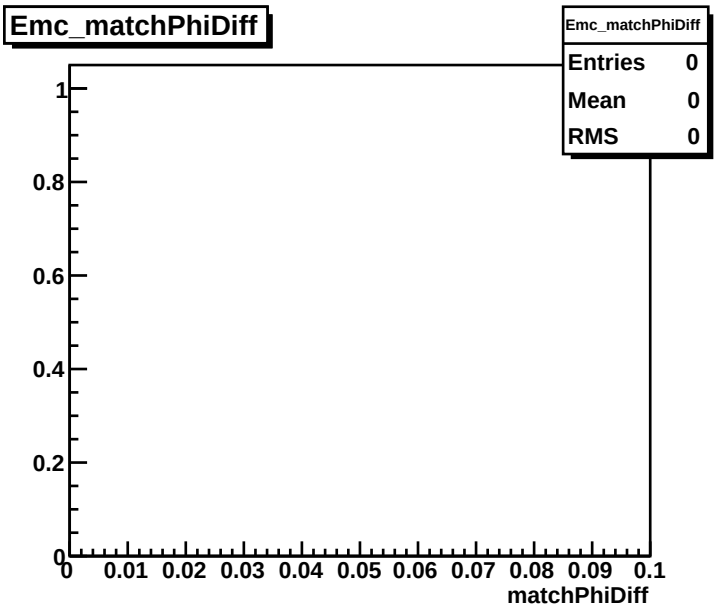

TofResvsTrayId
TofResvsTrayId
Entries 65822
Mean x 62.08
Mean y 0.5634
RMS x 33.92
RMS y 0.1849
tof - tof expected
TrayId

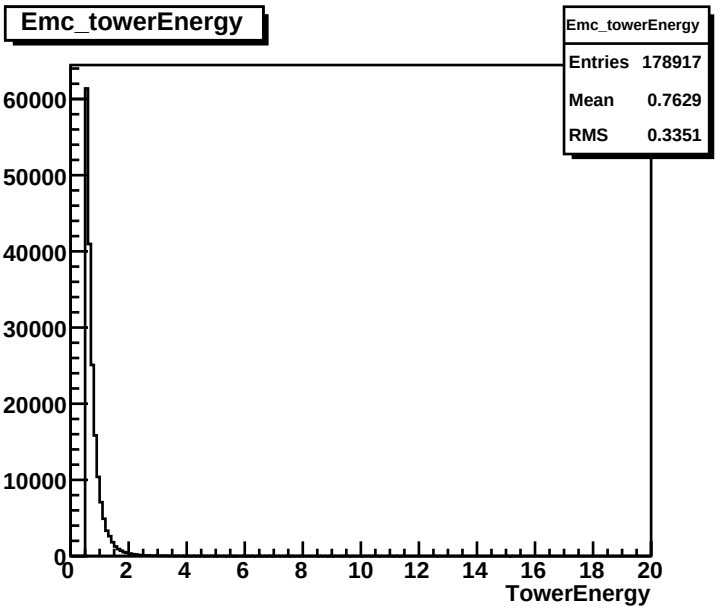

VertexZ
VertexZ
Entries 2760
Mean -0.2513
RMS 17.24
VertexZ

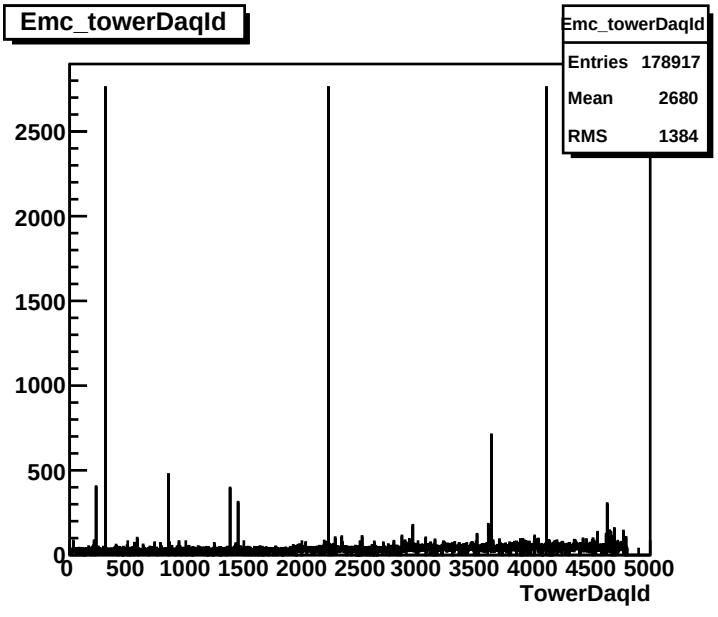

Lm_VertexX
Lm_VertexX
Entries 2760
Mean 0.317
RMS 0.0008355
LmVertexX

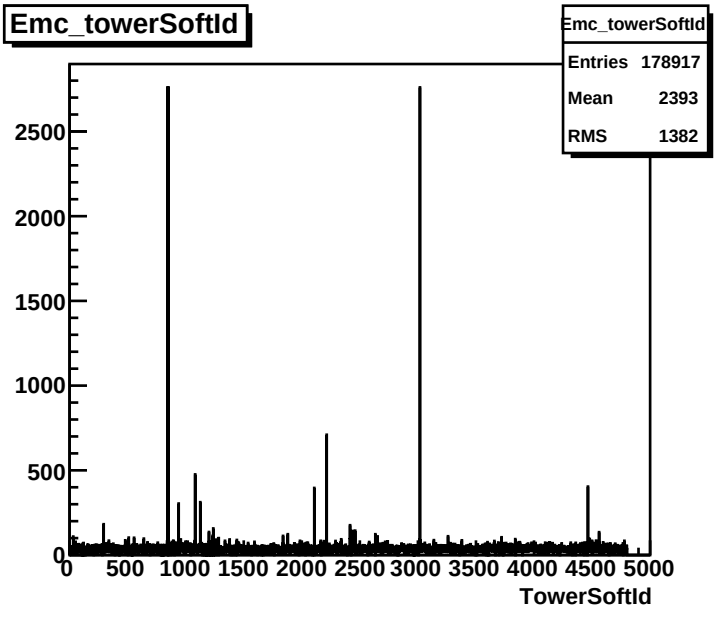

Lm_VertexY
Lm_VertexY
Entries 2760
Mean -0.04214
RMS 0.002125
LmVertexY

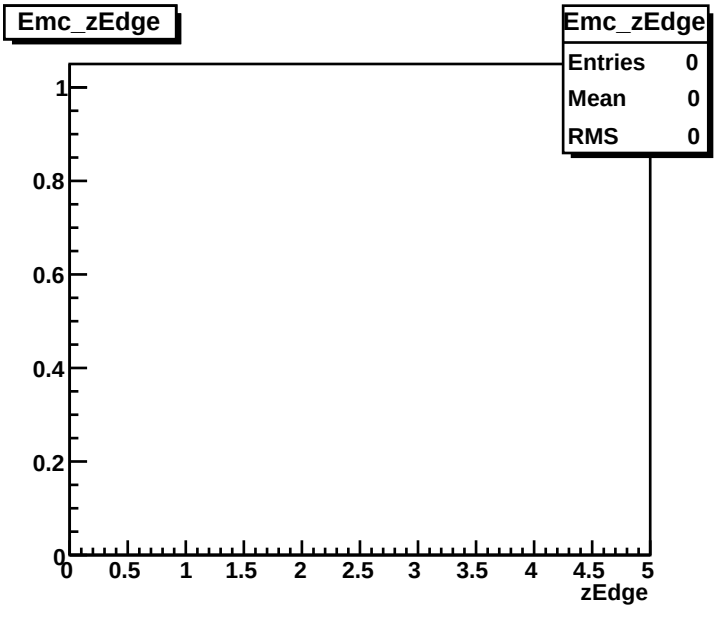

Lm_VertexZ
Lm_VertexZ
Entries 2760
Mean -0.2583
RMS 17.24
LmVertexZ

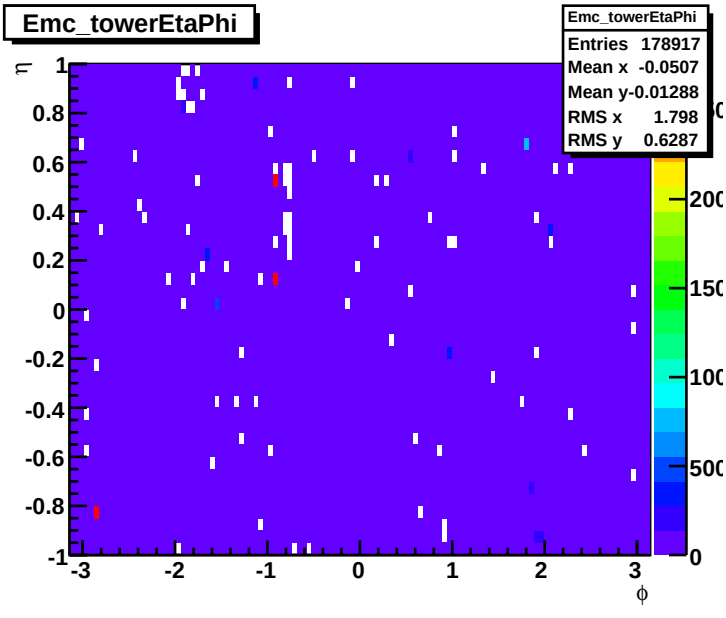

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

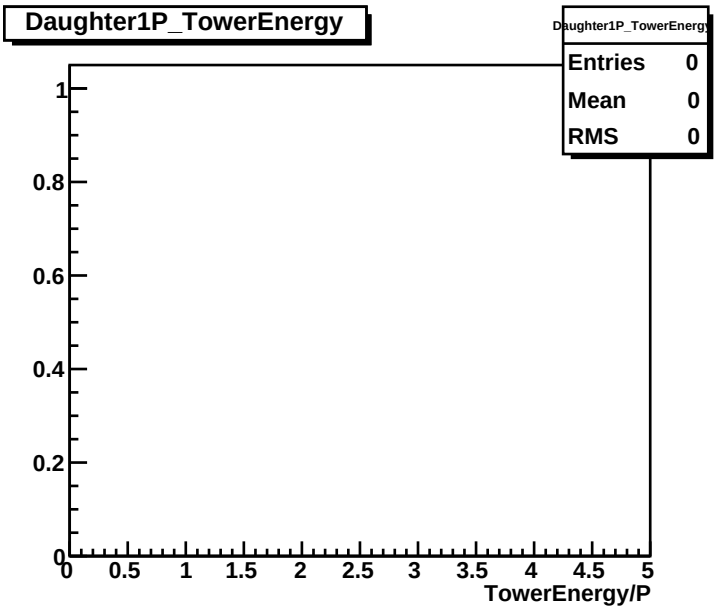

Emc_towerEnergy
Emc_towerEnergy
Entries 178917
Mean 0.7629
RMS 0.3351
TowerEnergy

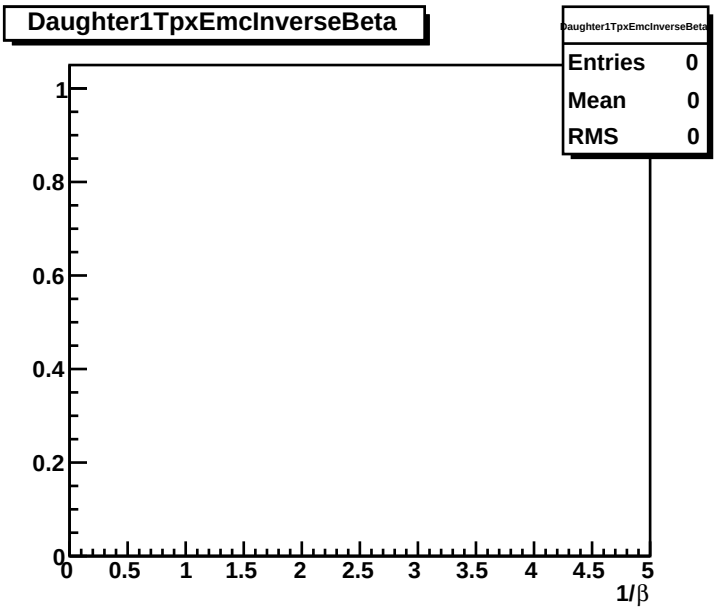

Emc_towerDaqId
Emc_towerDaqId
Entries 178917
Mean 2680
RMS 1384
TowerDaqId

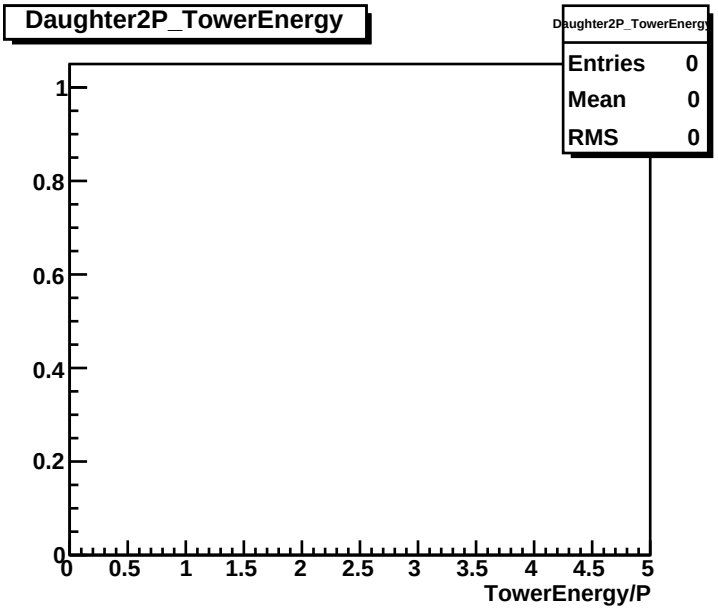

Emc_towerSoftId
Emc_towerSoftId
Entries 178917
Mean 2393
RMS 1382
TowerSoftId

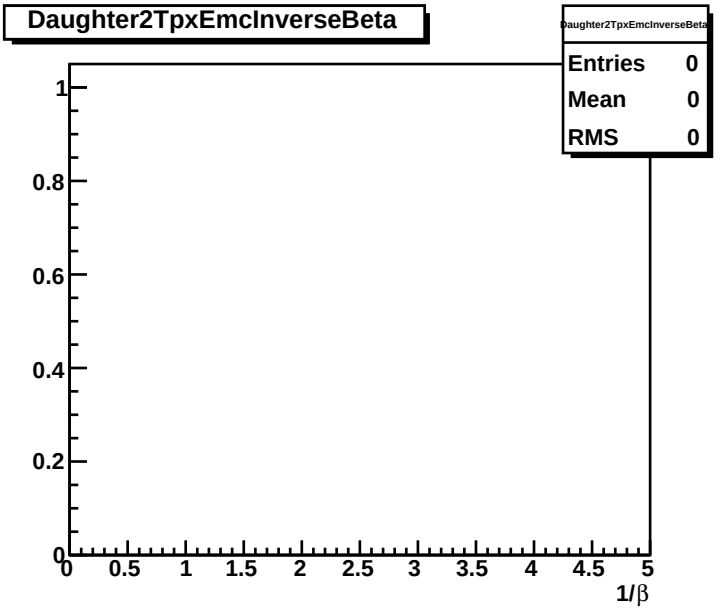

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

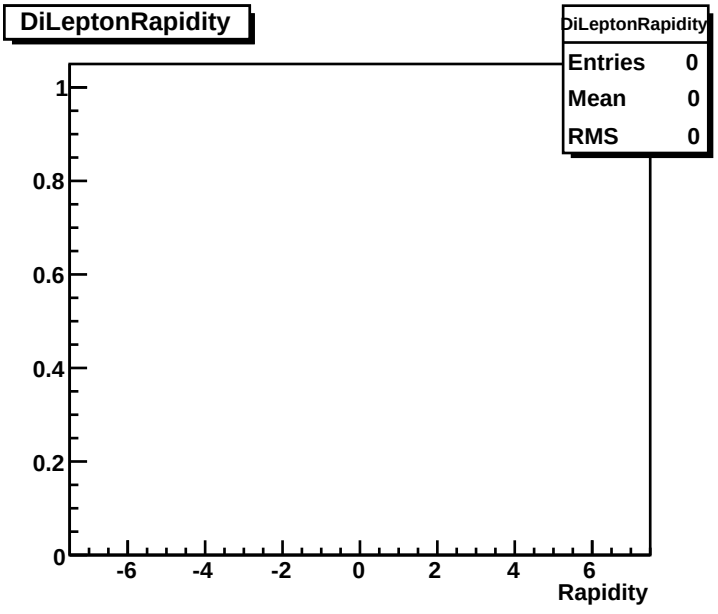

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 178917
Mean x -0.0507
Mean y -0.01288
RMS x 1.798
RMS y 0.6287
η
ϕ

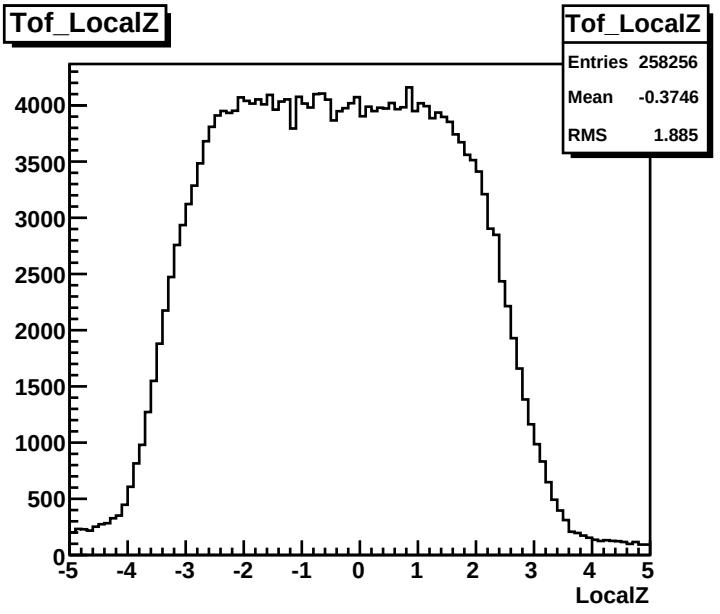

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

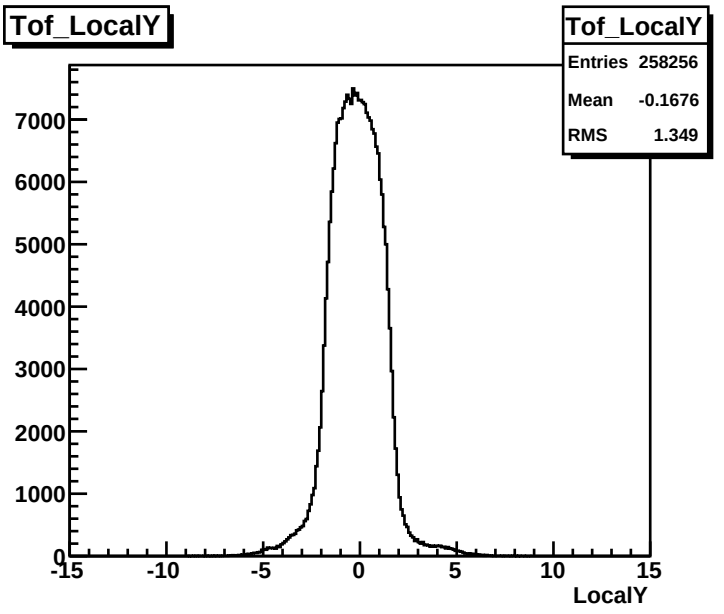

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

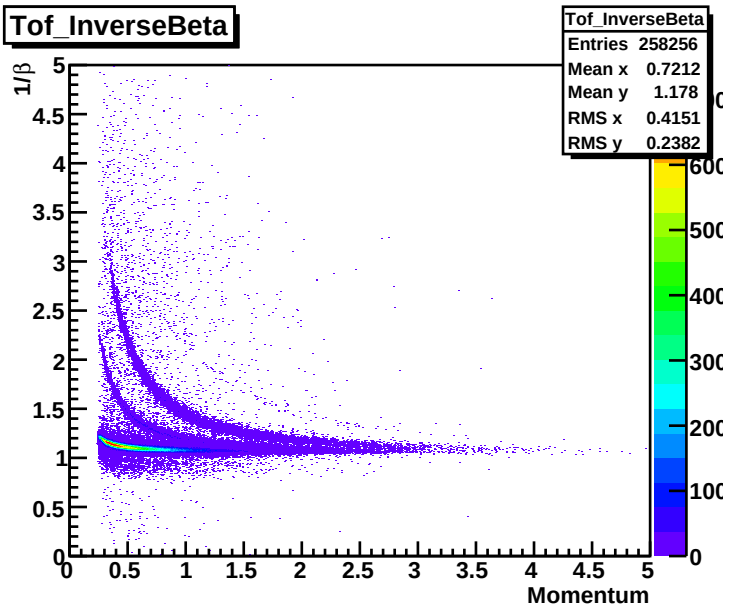

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

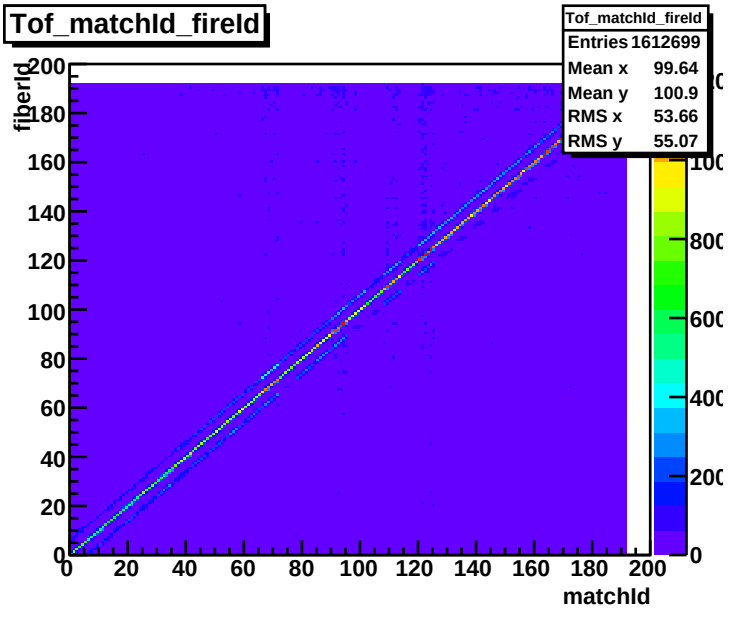

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

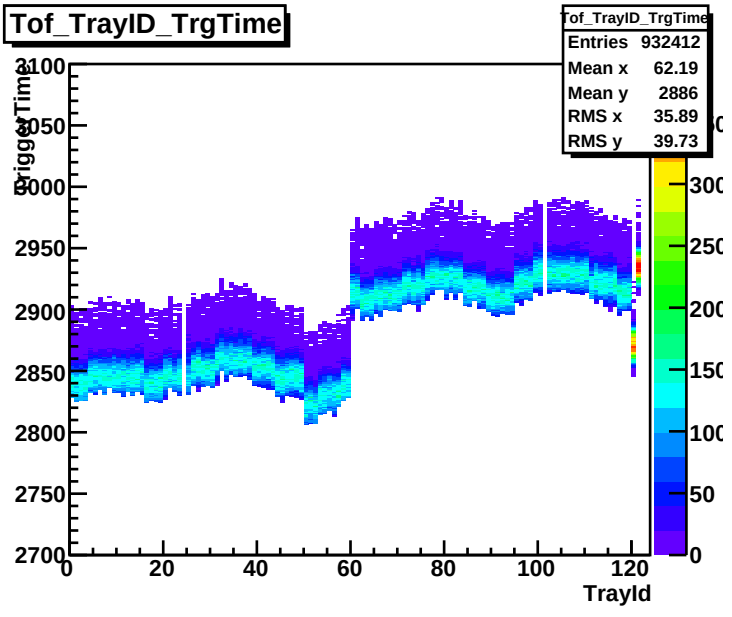

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

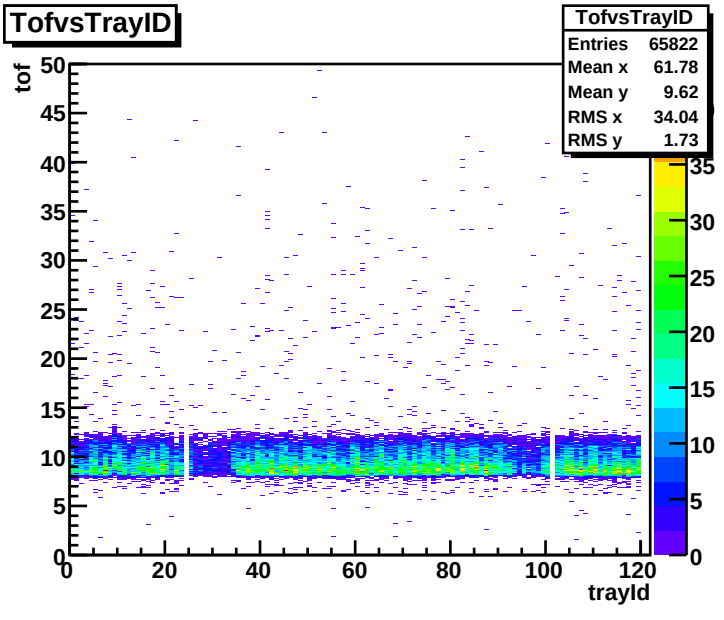

Tof_LocalZ
Tof_LocalZ
Entries 258256
Mean -0.3746
RMS 1.885
LocalZ

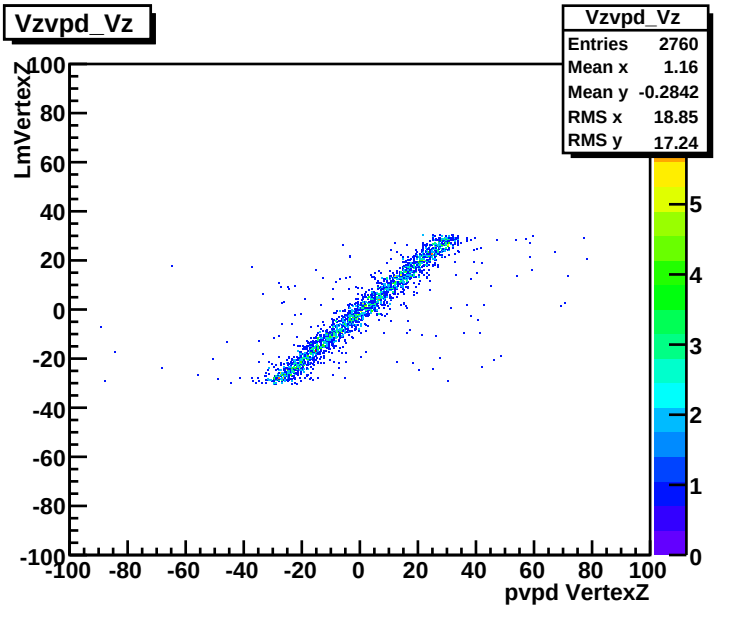

Tof_LocalY
Tof_LocalY
Entries 258256
Mean -0.1676
RMS 1.349
LocalY

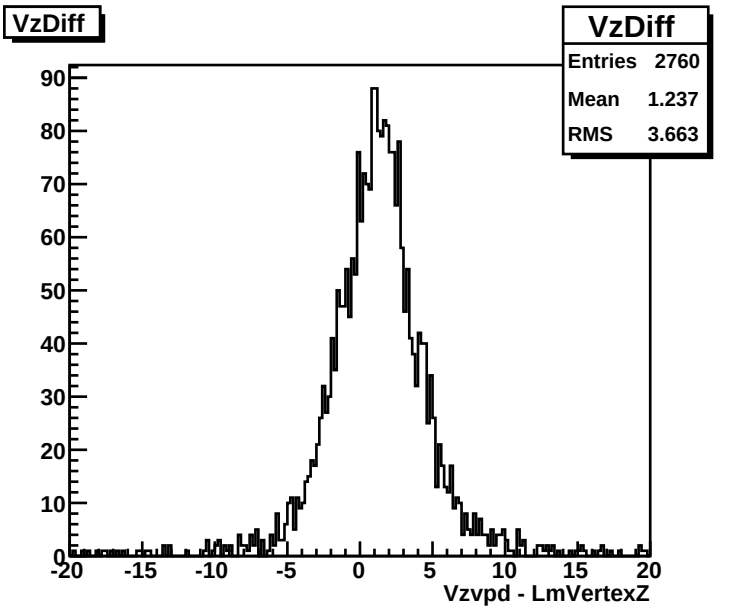

Tof_InverseBeta
Tof_InverseBeta
Entries 258256
Mean x 0.7212
Mean y 1.178
RMS x 0.4151
RMS y 0.2382
1/β
Momentum

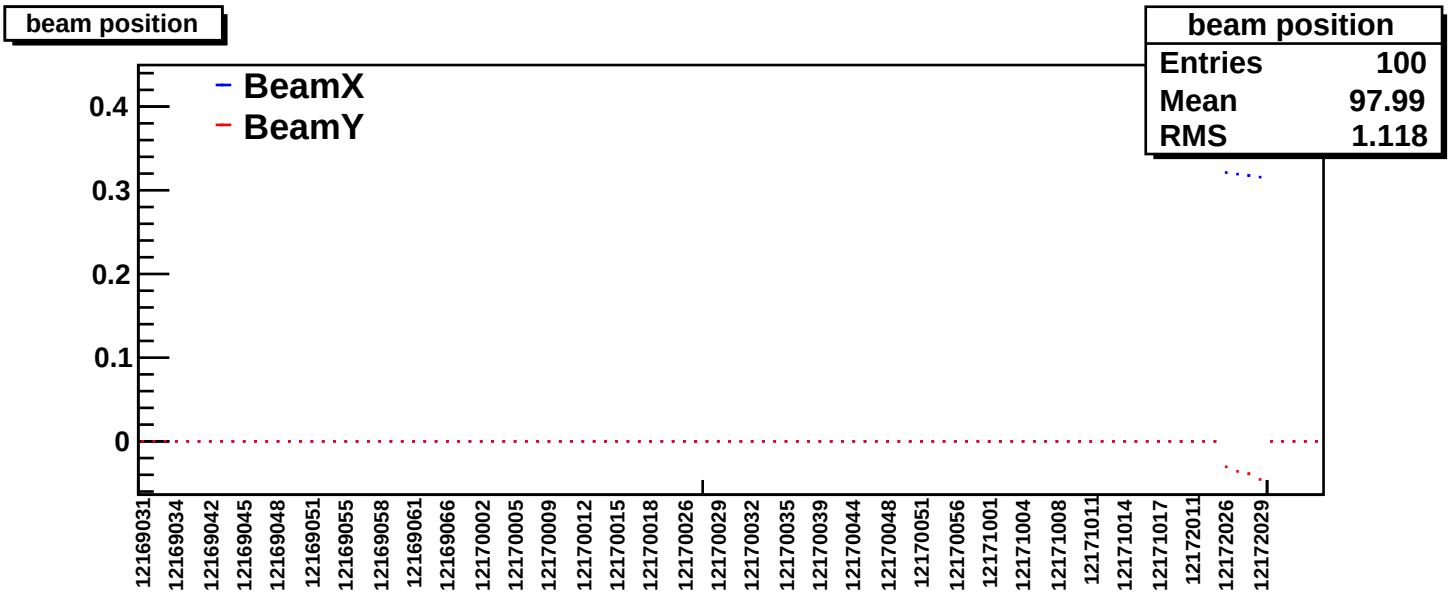

Tof_matchId_fireId
Tof_matchId_fireId
Entries 1612699
Mean x 99.64
Mean y 100.9
RMS x 53.66
RMS y 55.07
fiberId
matchId

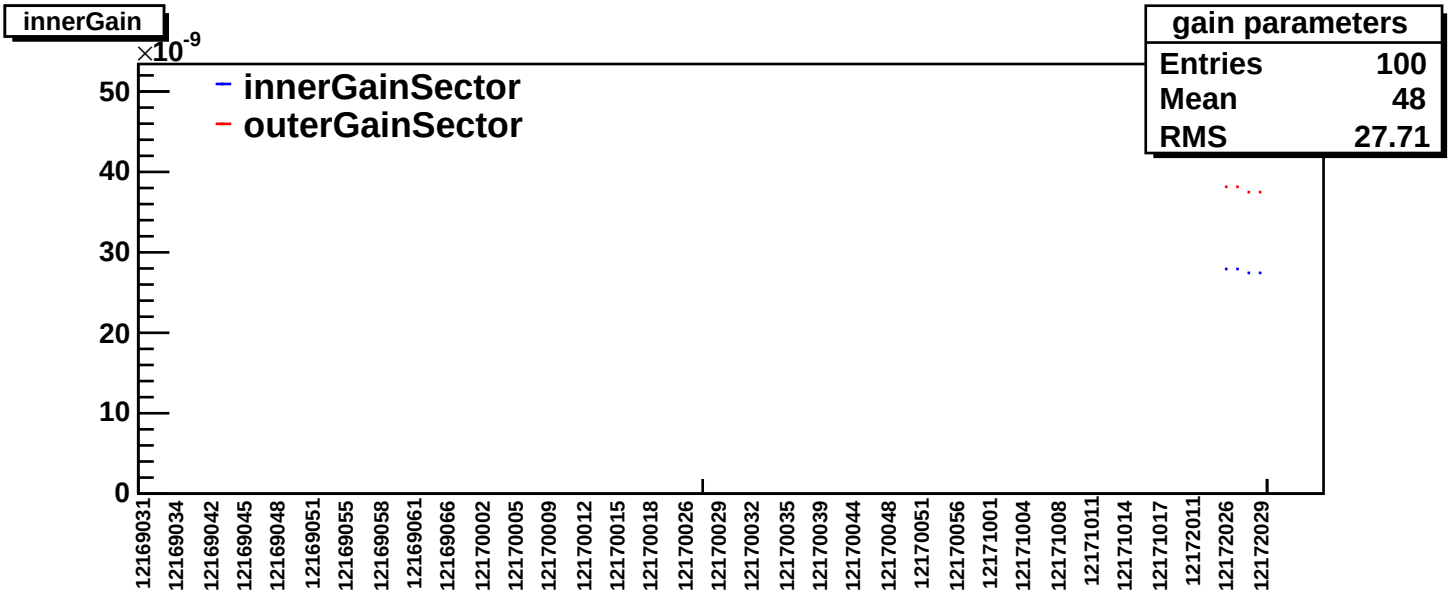

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 932412
Mean x 62.19
Mean y 2886
RMS x 35.89
RMS y 39.73
TrayId

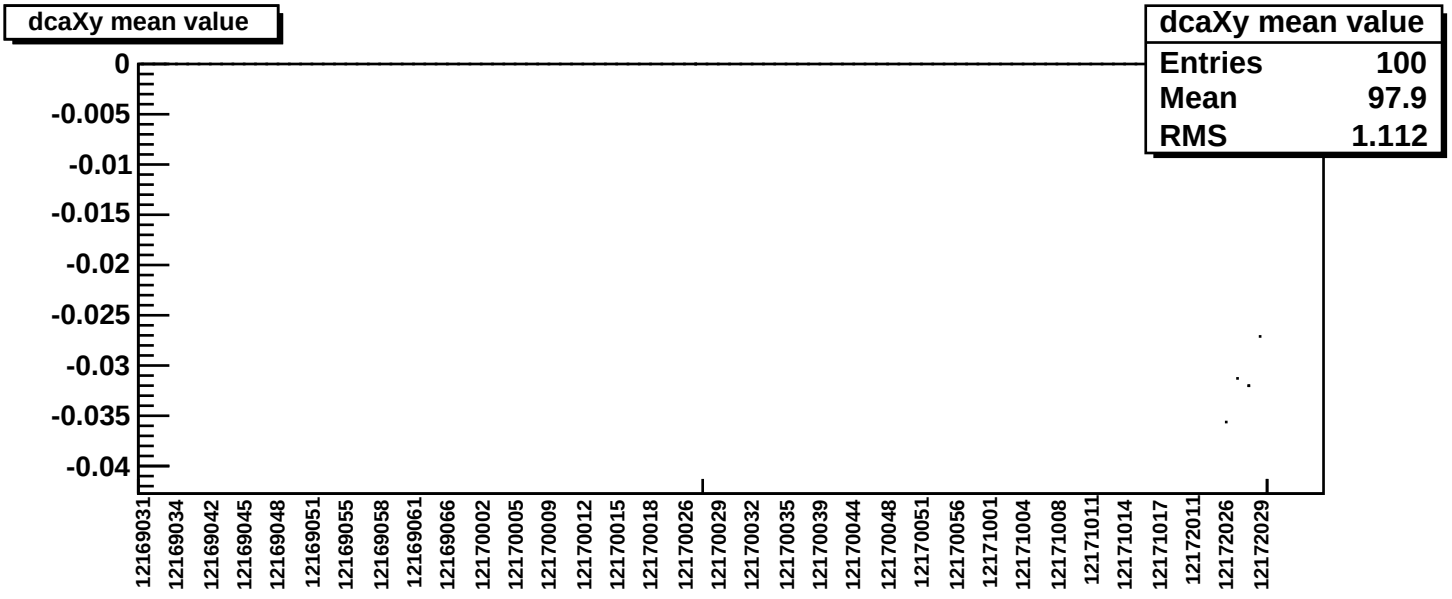

TofvsTrayID
TofvsTrayID
Entries 65822
Mean x 61.78
Mean y 9.62
RMS x 34.04
RMS y 1.73
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 2760
Mean x 1.16
Mean y -0.2842
RMS x 18.85
RMS y 17.24
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 2760
Mean 1.237
RMS 3.663
90
80
70
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 97.99
RMS 1.118
0.4
0.3
0.2
0.1
0
12169031 12169034 12169042 12169045 12169048 12169051 12169055 12169058 12169061 12169066 12170002 12170005 12170009 12170012 12170015 12170018 12170026 12170029 12170032 12170035 12170039 12170044 12170048 12170051 12170056 12171001 12171004 12171008 12171011 12171014 12171017 12172011 12172026 12172029


innerGain
×10^-9
innerGainSector
outerGainSector
gain parameters
Entries 100
Mean 48
RMS 27.71
50
40
30
20
10
0
12169031 12169034 12169042 12169045 12169048 12169051 12169055 12169058 12169061 12169066 12170002 12170005 12170009 12170012 12170015 12170018 12170026 12170029 12170032 12170035 12170039 12170044 12170048 12170051 12170056 12171001 12171004 12171008 12171011 12171014 12171017 12172011 12172026 12172029


dcaXy mean value
dcaXy mean value
Entries 100
Mean 97.9
RMS 1.112
0
-0.005
-0.01
-0.015
-0.02
-0.025
-0.03
-0.035
-0.04
12169031 12169034 12169042 12169045 12169048 12169051 12169055 12169058 12169061 12169066 12170002 12170005 12170009 12170012 12170015 12170018 12170026 12170029 12170032 12170035 12170039 12170044 12170048 12170051 12170056 12171001 12171004 12171008 12171011 12171014 12171017 12172011 12172026 12172029