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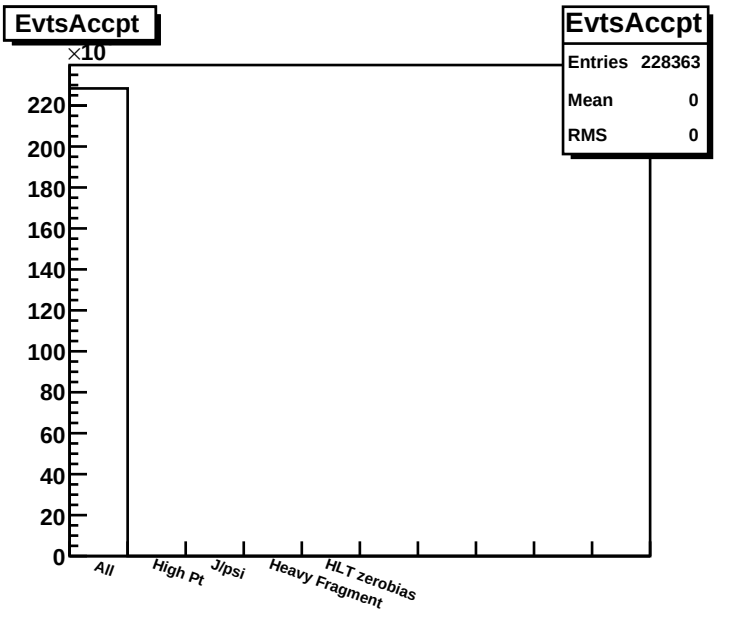
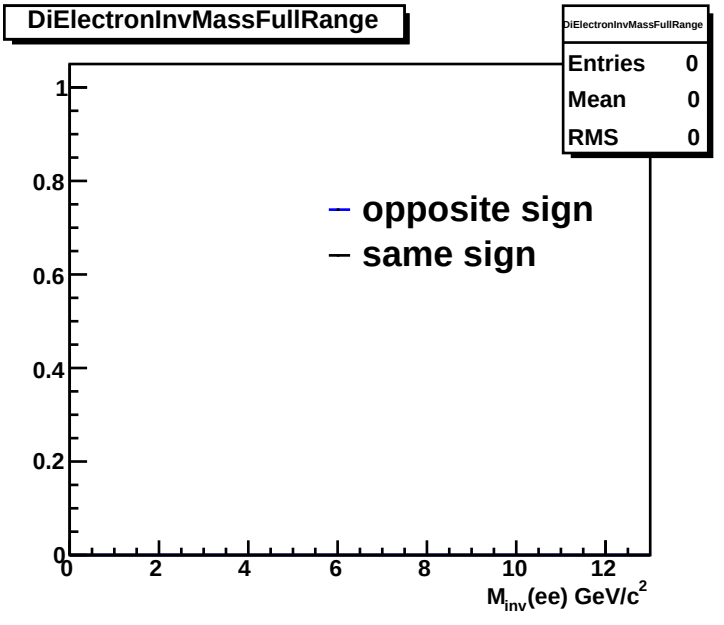
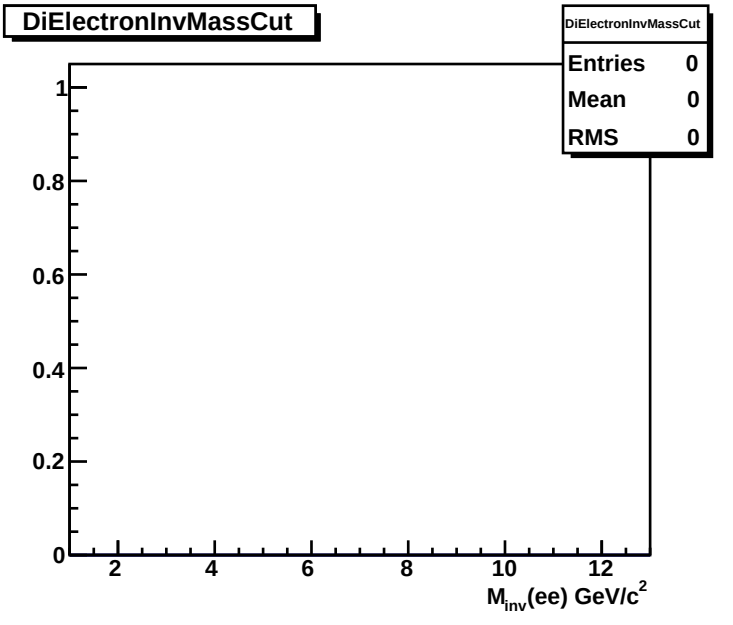
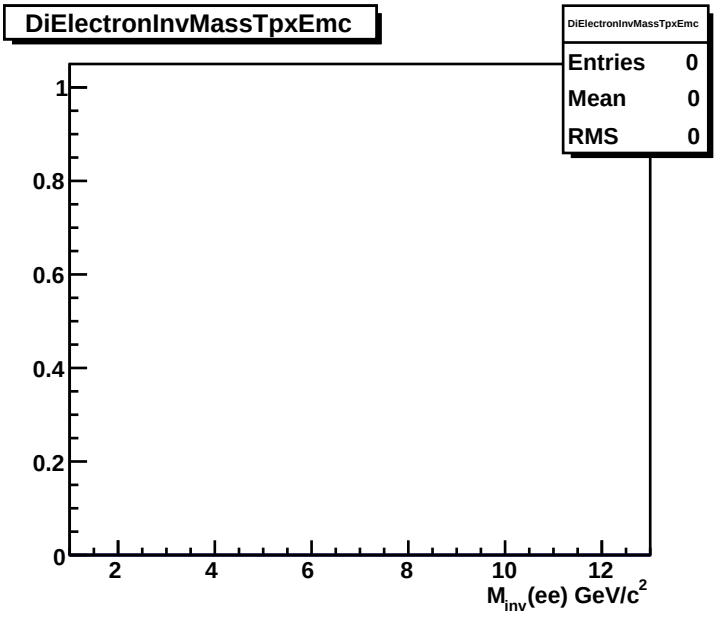
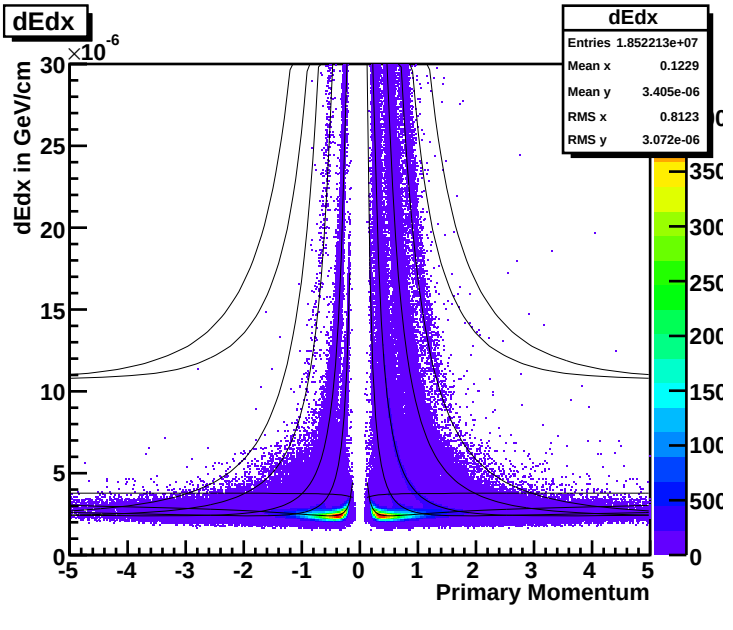
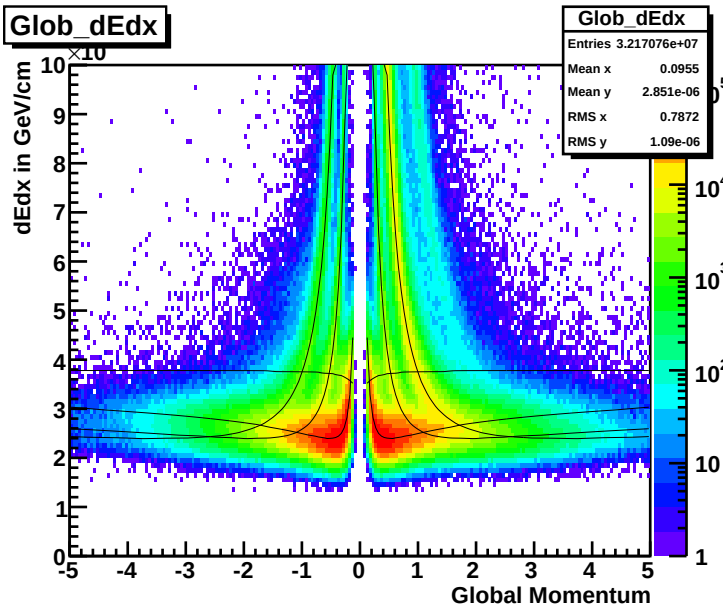


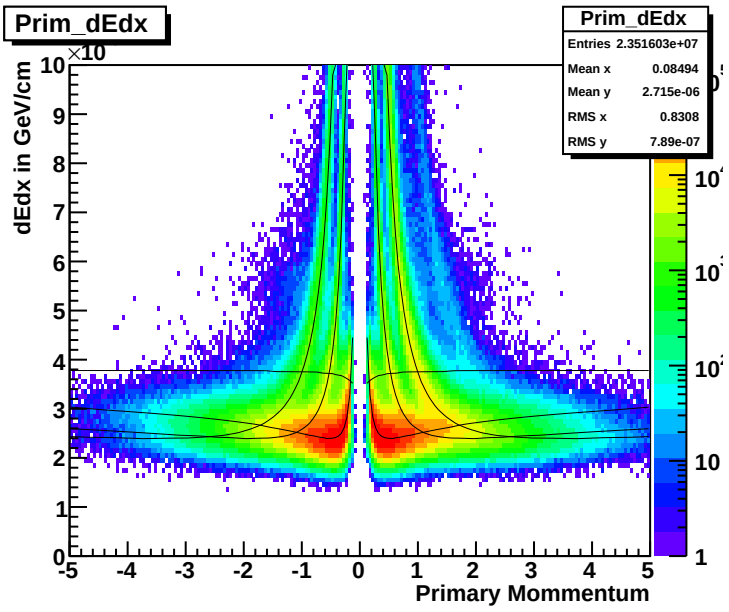


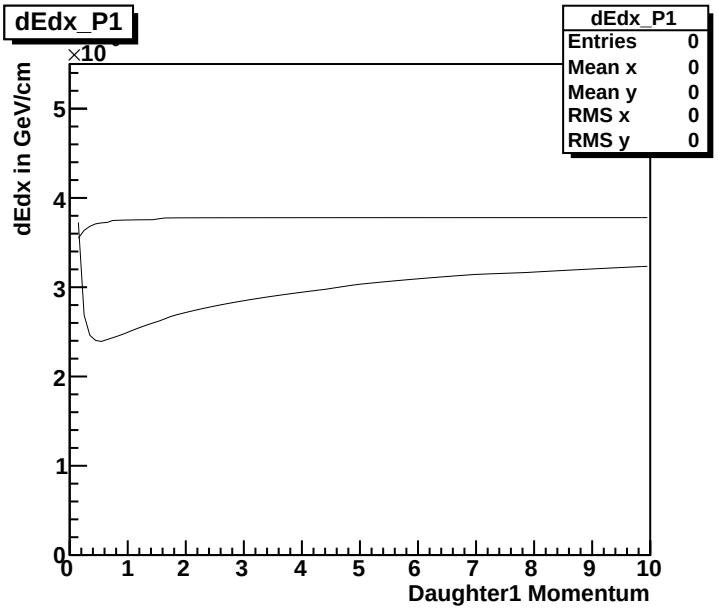


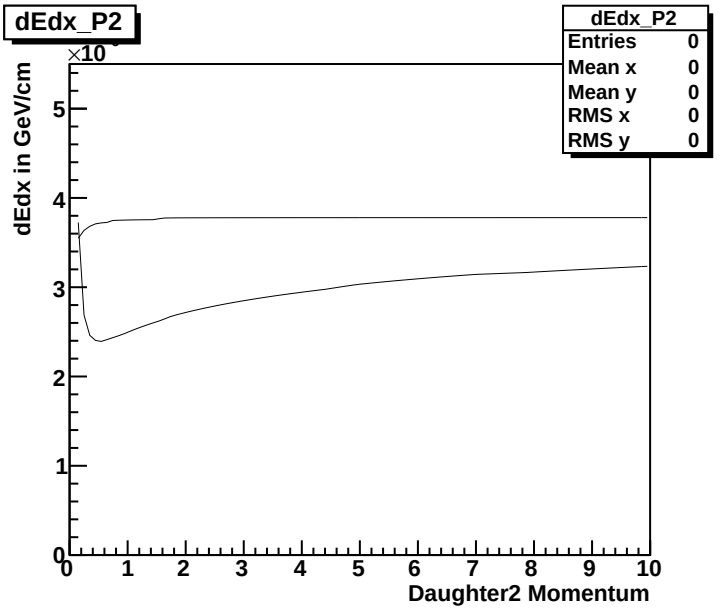


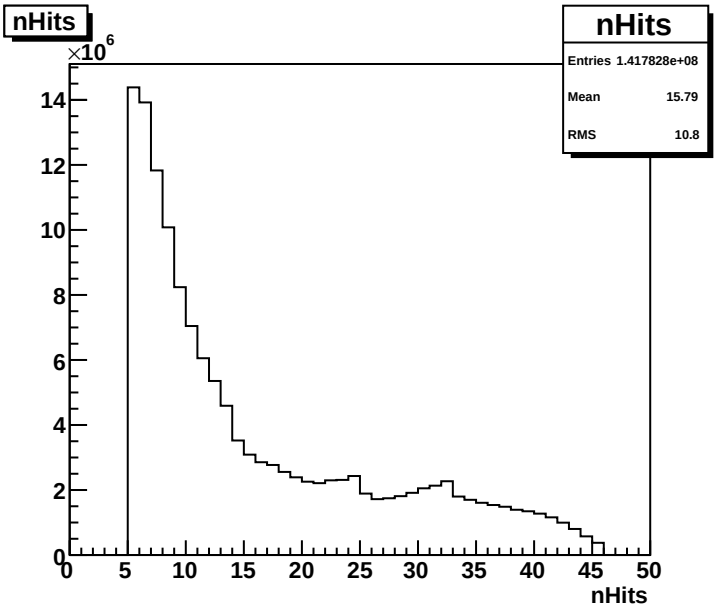


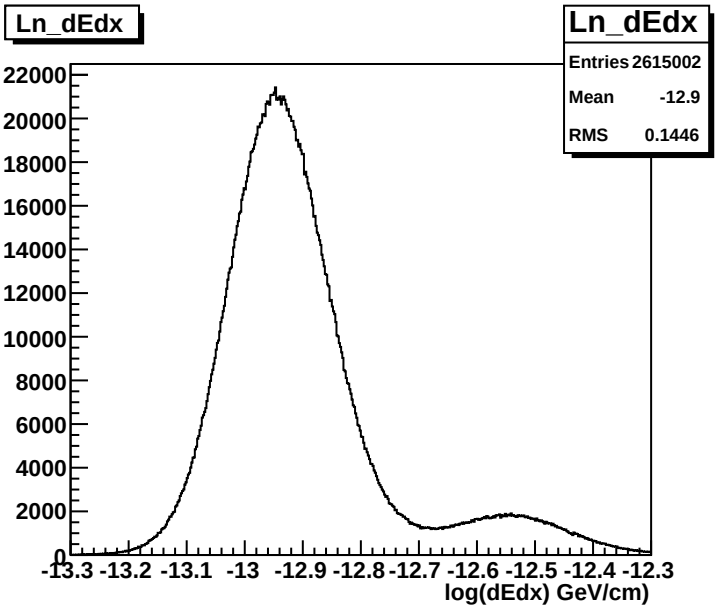

Glob_dEdx
Glob_dEdx
Entries 3.217076e+07
Mean x 0.0955
Mean y 2.851e-06
RMS x 0.7872
RMS y 1.09e-06
dEdx in GeV/cm
Global Momentum

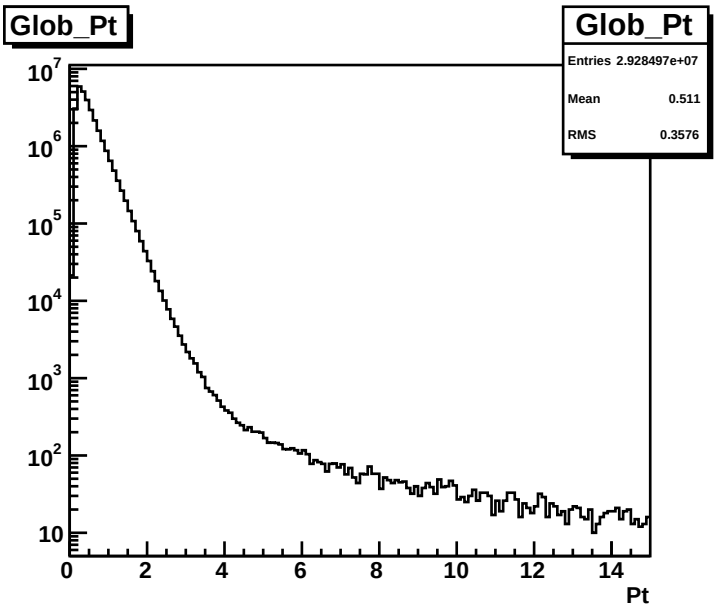

Prim_dEdx
Prim_dEdx
Entries 2.351603e+07
Mean x 0.08494
Mean y 2.715e-06
RMS x 0.8308
RMS y 7.89e-07
dEdx in GeV/cm
Primary Mommentum

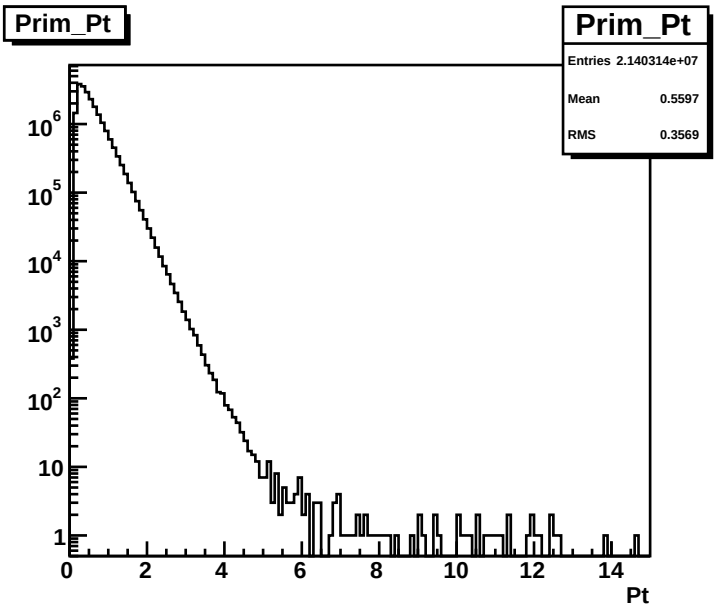

dEdx_P1
dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

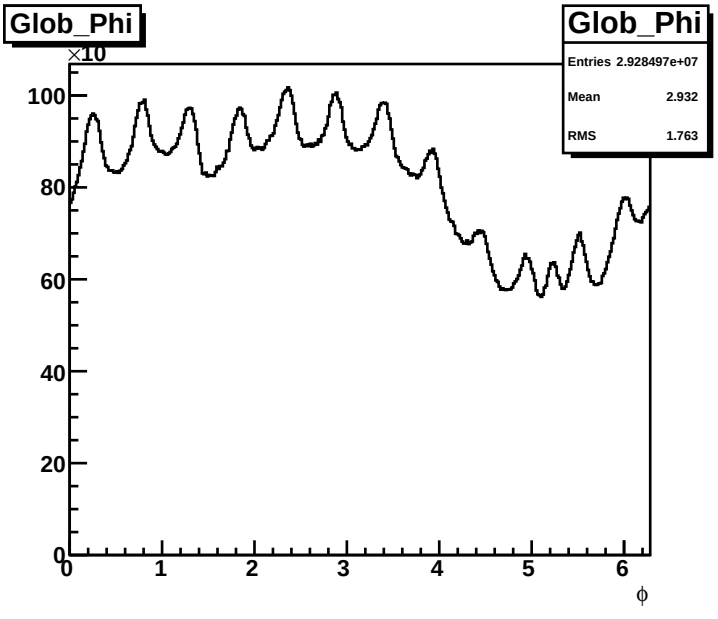

dEdx_P2
dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

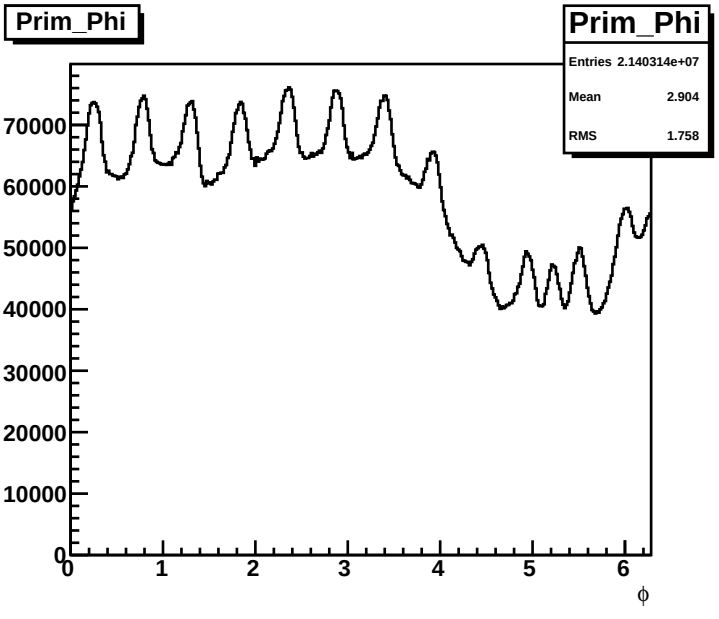

nHits
nHits
Entries 1.417828e+08
Mean 15.79
RMS 10.8
nHits

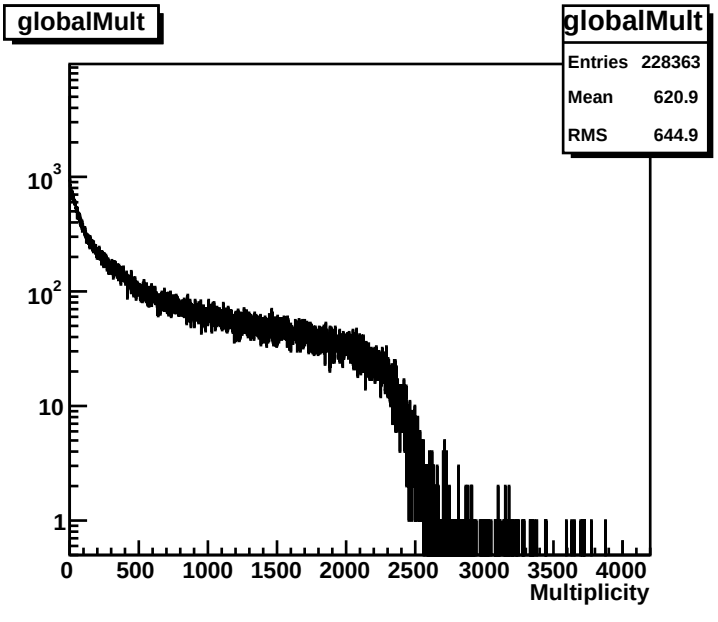

Ln_dEdx
Ln_dEdx
Entries 2615002
Mean -12.9
RMS 0.1446
log(dEdx) GeV/cm)

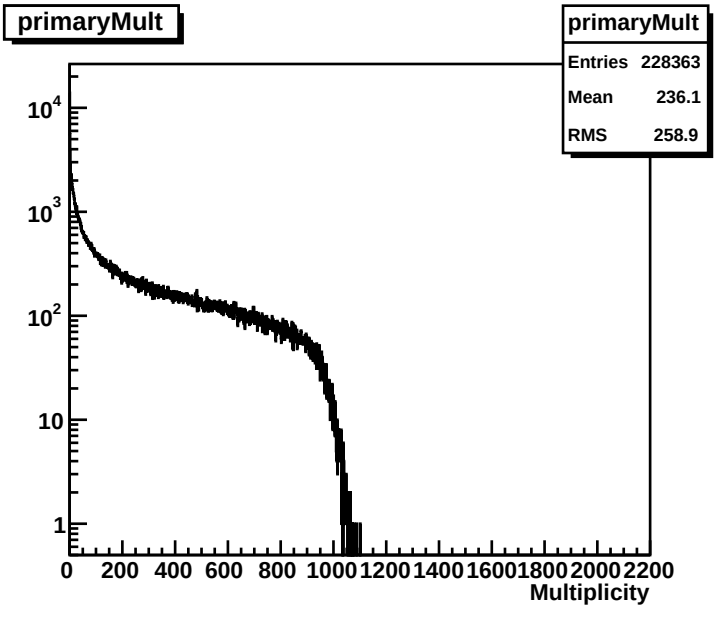

Glob_Pt
Glob_Pt
Entries 2.928497e+07
Mean 0.511
RMS 0.3576
Pt

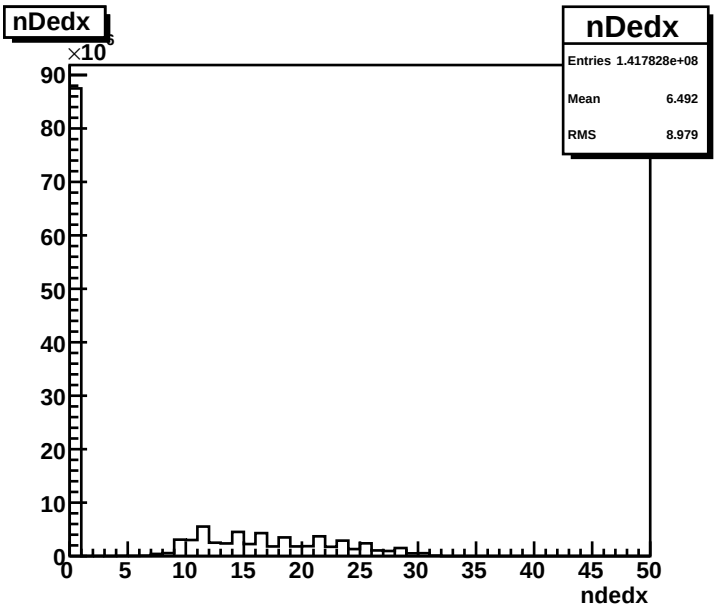

Prim_Pt
Prim_Pt
Entries 2.140314e+07
Mean 0.5597
RMS 0.3569
Pt

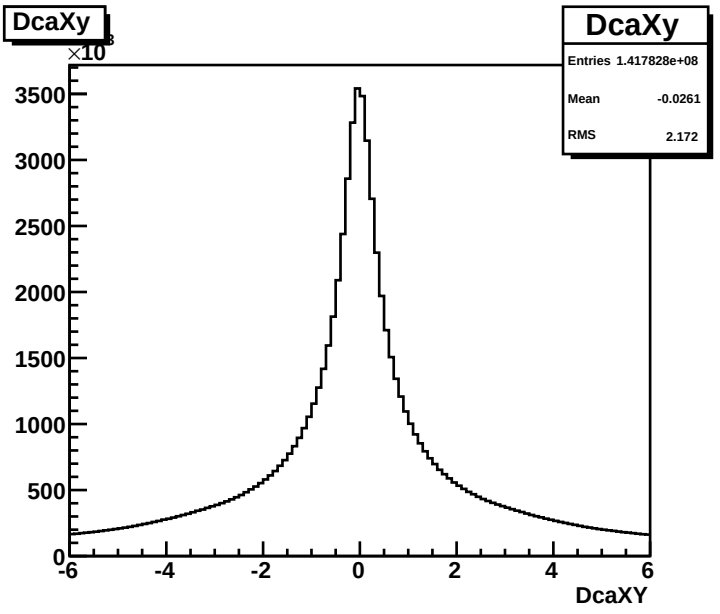

Glob_Phi
Glob_Phi
Entries 2.928497e+07
Mean 2.932
RMS 1.763
×10
ϕ

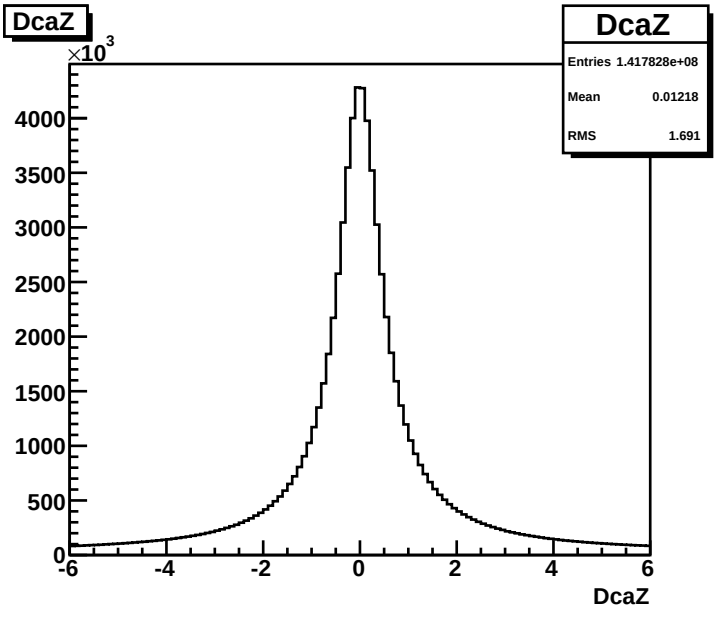

Prim_Phi
Prim_Phi
Entries 2.140314e+07
Mean 2.904
RMS 1.758
ϕ

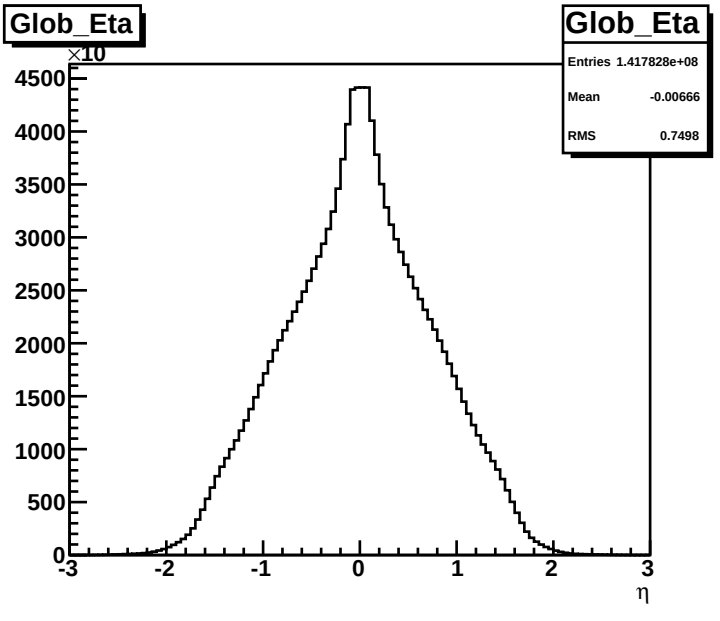

globalMult
globalMult
Entries 228363
Mean 620.9
RMS 644.9
Multiplicity

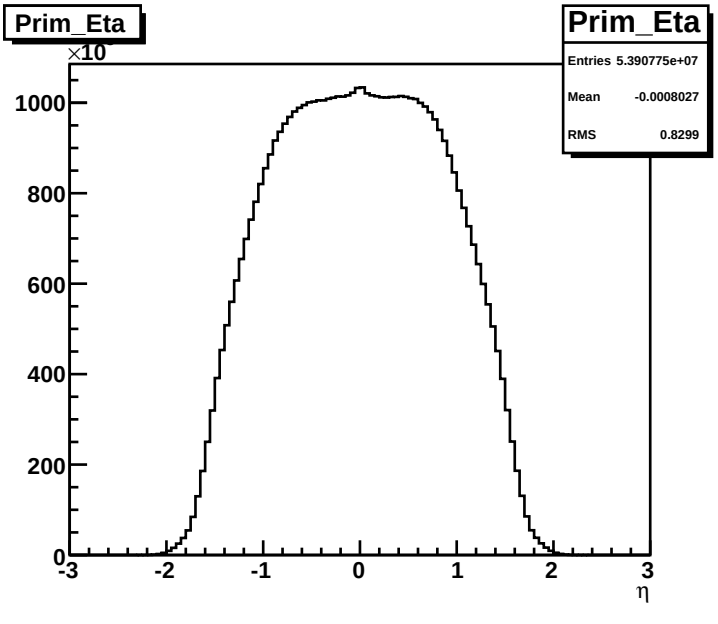

primaryMult
primaryMult
Entries 228363
Mean 236.1
RMS 258.9
Multiplicity

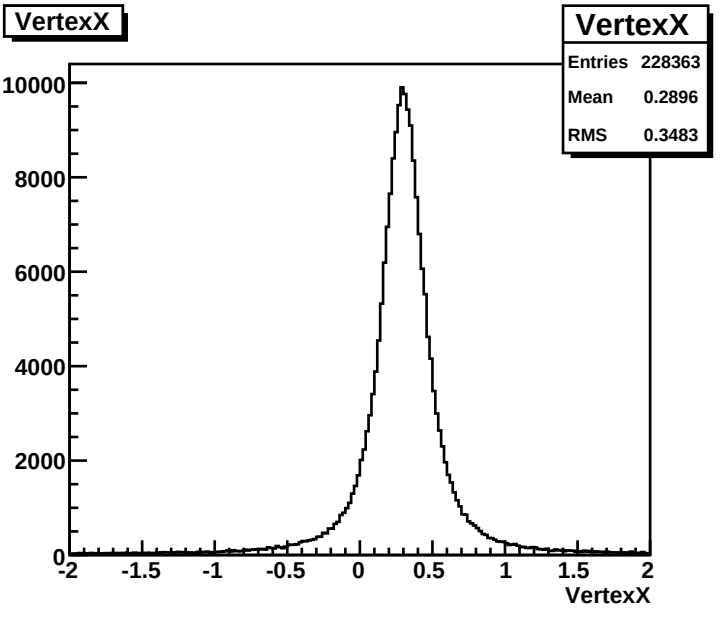

nDedx
nDedx
Entries 1.417828e+08
Mean 6.492
RMS 8.979
ndedx

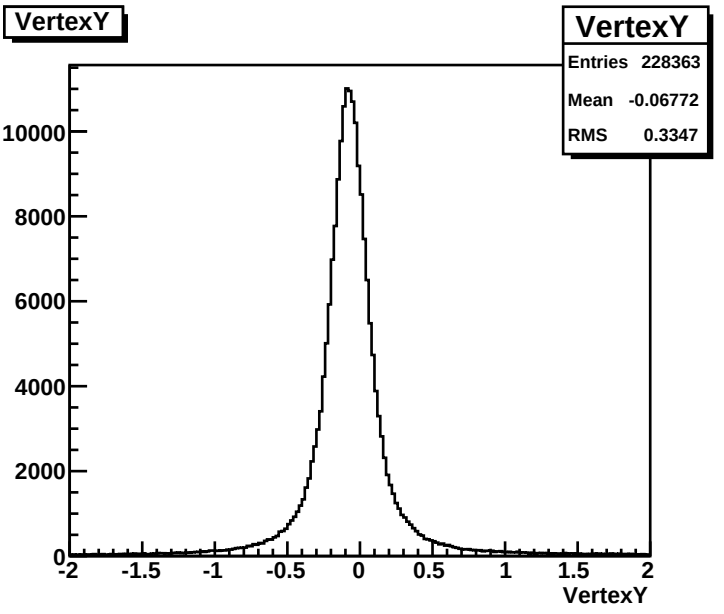

DcaXy
DcaXy
Entries 1.417828e+08
Mean -0.0261
RMS 2.172
DcaXY

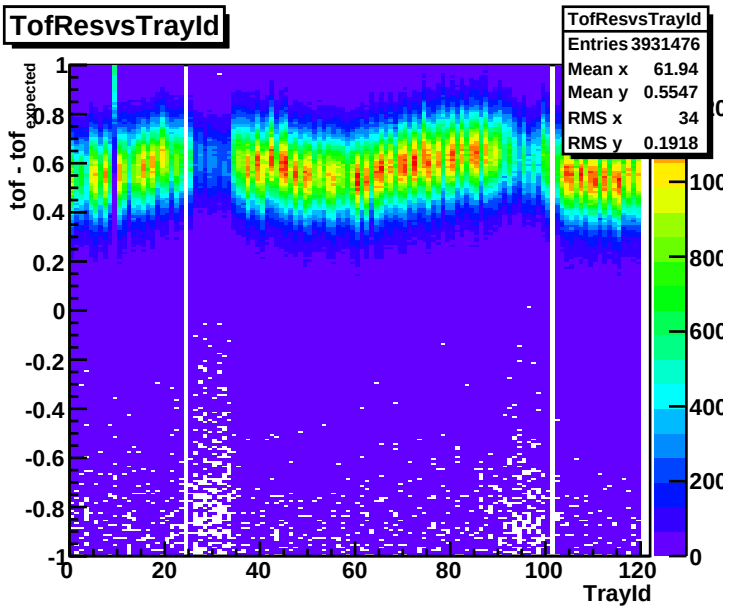

DcaZ
DcaZ
Entries 1.417828e+08
Mean 0.01218
RMS 1.691
DcaZ

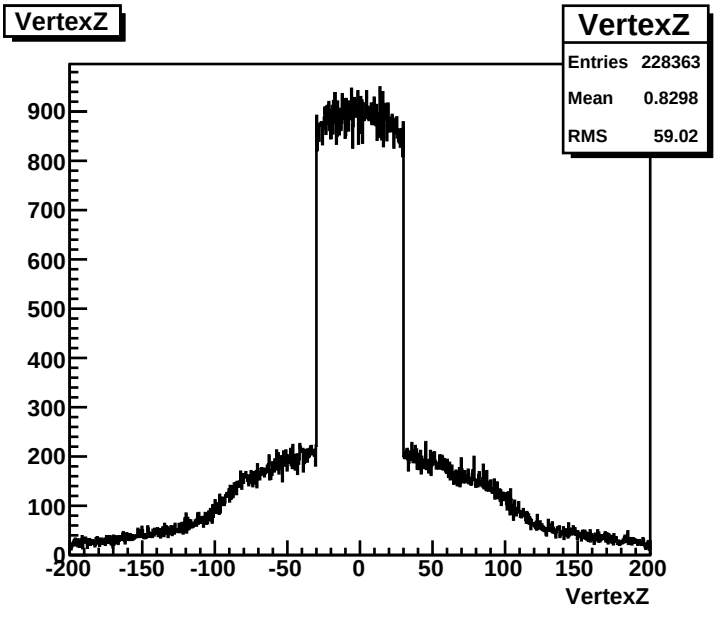

Glob_Eta
Glob_Eta
Entries 1.417828e+08
Mean -0.00666
RMS 0.7498
η

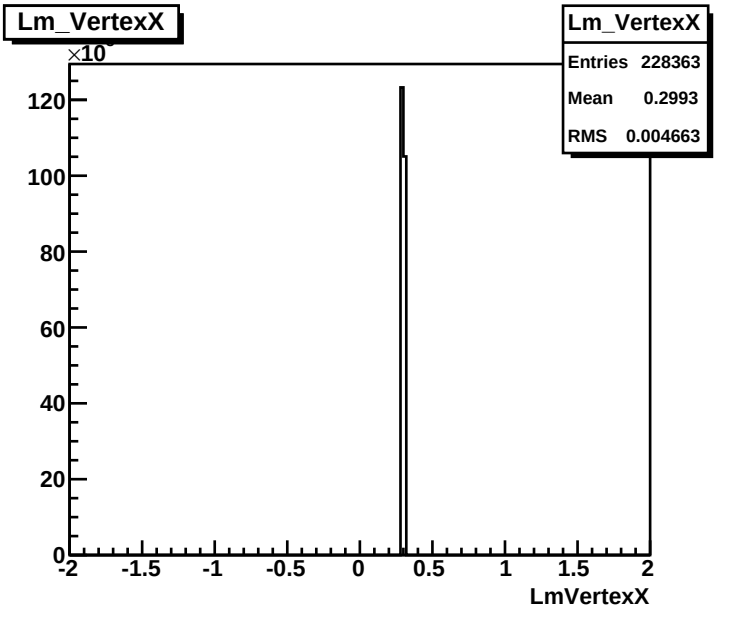

Prim_Eta
Prim_Eta
Entries 5.390775e+07
Mean -0.0008027
RMS 0.8299
η

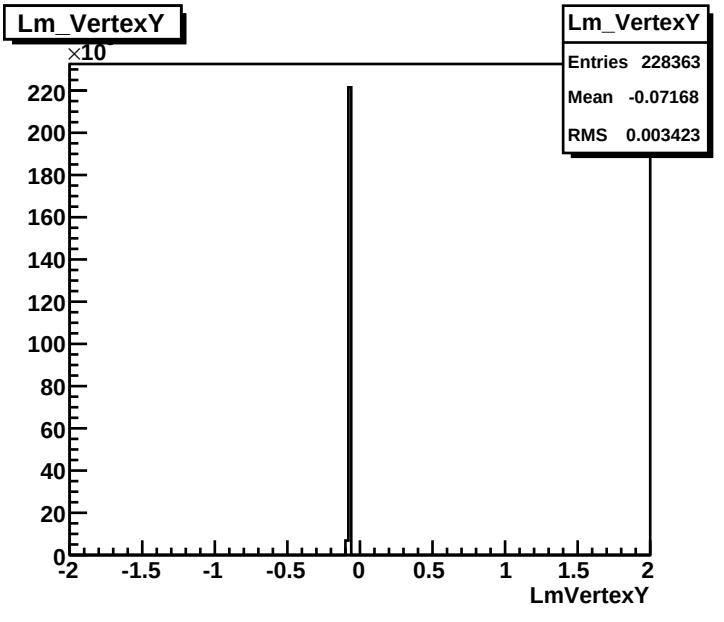

VertexX
VertexX
Entries 228363
Mean 0.2896
RMS 0.3483
VertexX

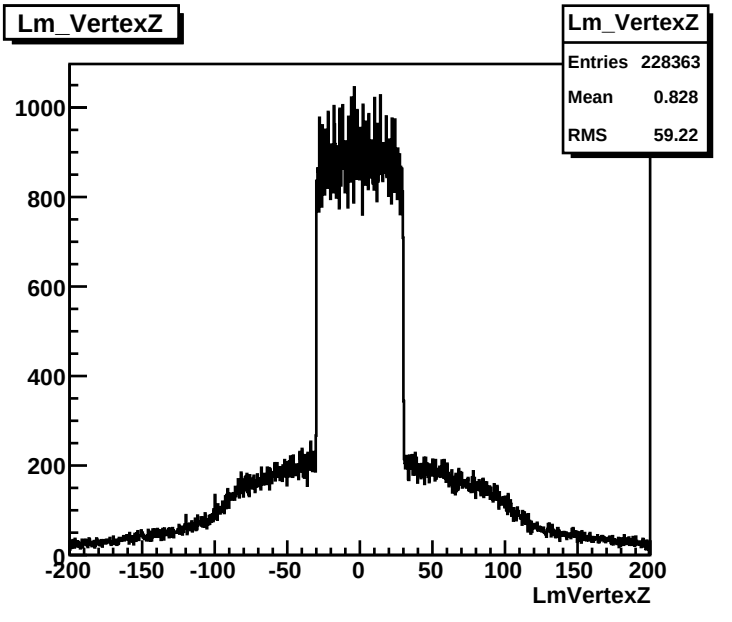

VertexY
VertexY
Entries 228363
Mean -0.06772
RMS 0.3347
VertexY

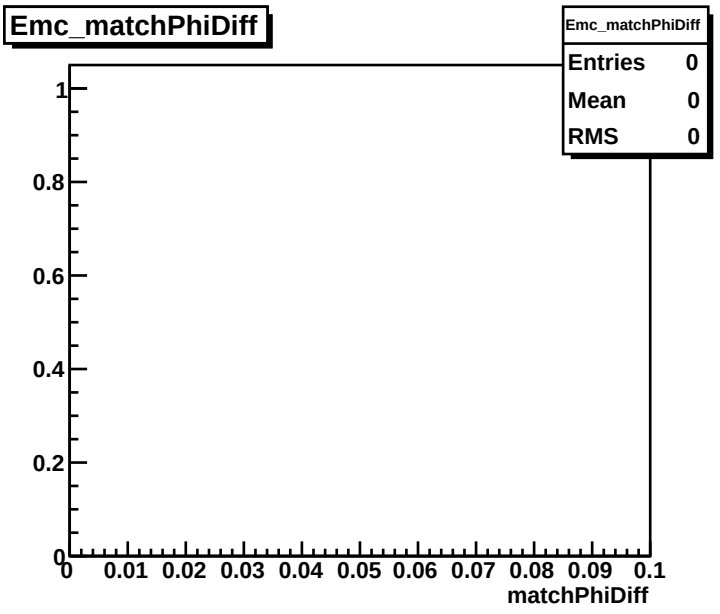

TofResvsTrayId
TofResvsTrayId
Entries 3931476
Mean x 61.94
Mean y 0.5547
RMS x 34
RMS y 0.1918
tof - tof expected
TrayId

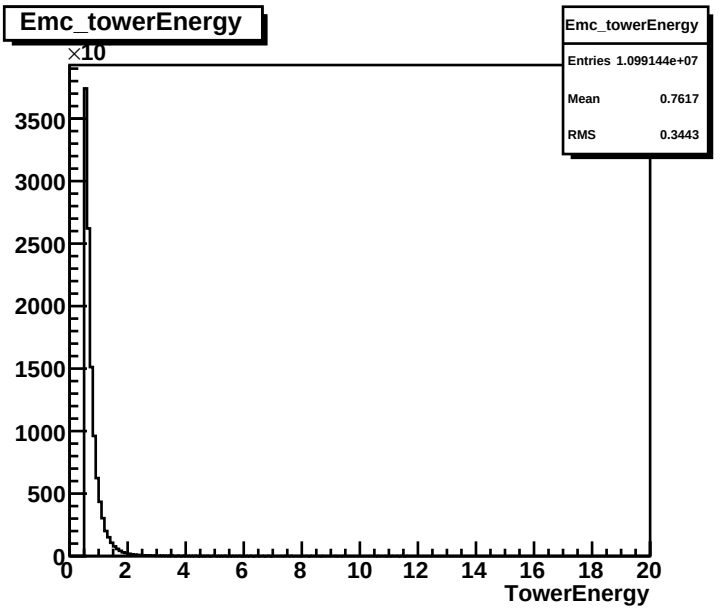

VertexZ
VertexZ
Entries 228363
Mean 0.8298
RMS 59.02
VertexZ

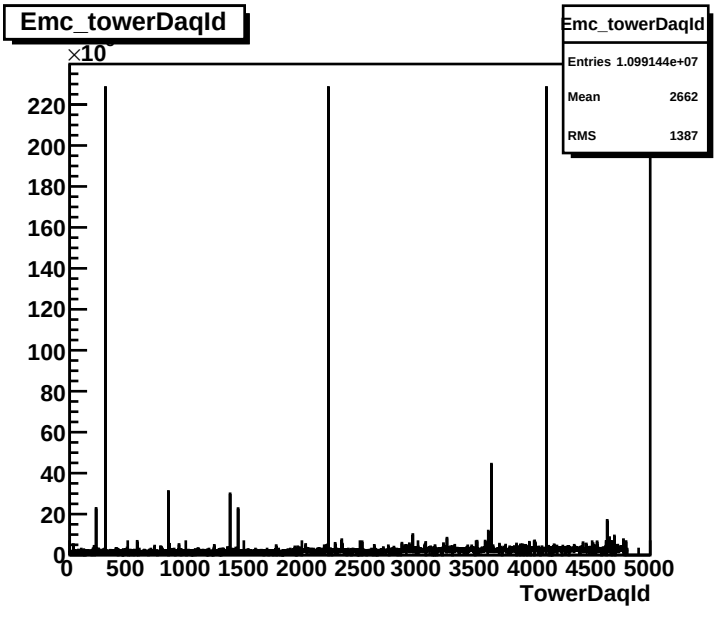

Lm_VertexX
Lm_VertexX
Entries 228363
Mean 0.2993
RMS 0.004663
LmVertexX

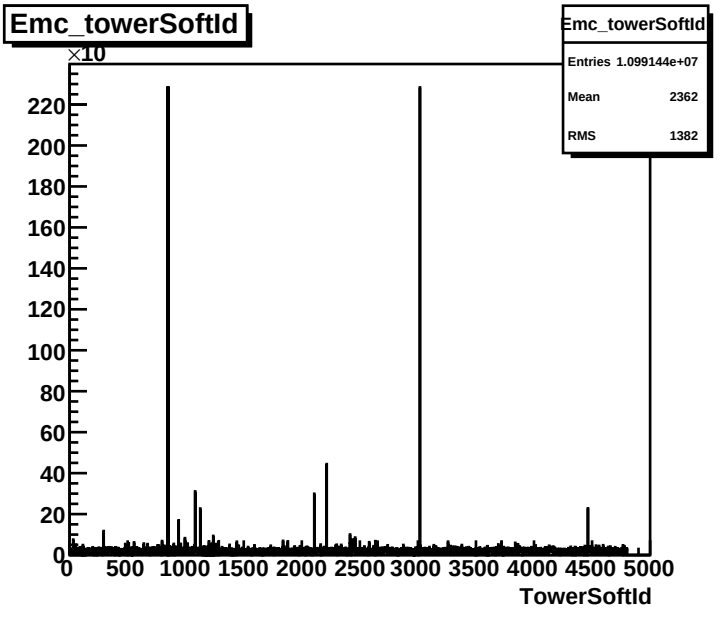

Lm_VertexY
Lm_VertexY
Entries 228363
Mean -0.07168
RMS 0.003423
LmVertexY

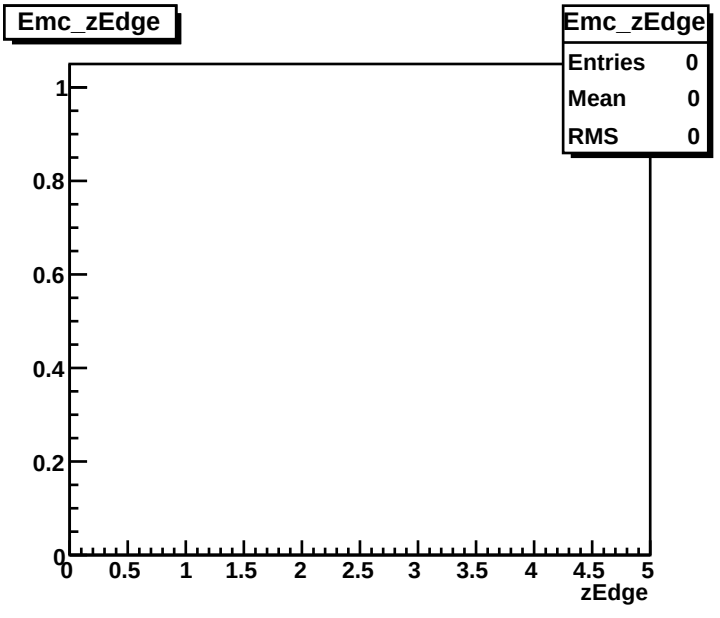

Lm_VertexZ
Lm_VertexZ
Entries 228363
Mean 0.828
RMS 59.22
LmVertexZ

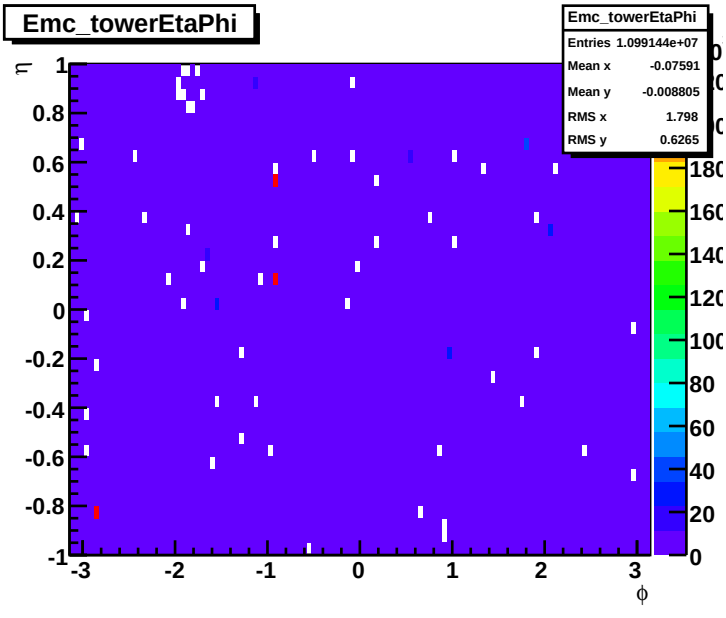

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

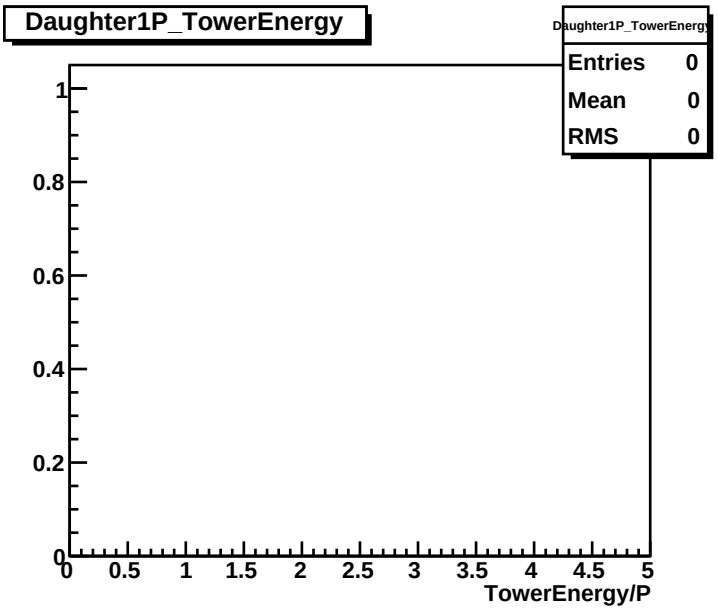

Emc_towerEnergy
Emc_towerEnergy
Entries 1.099144e+07
Mean 0.7617
RMS 0.3443
×10
TowerEnergy

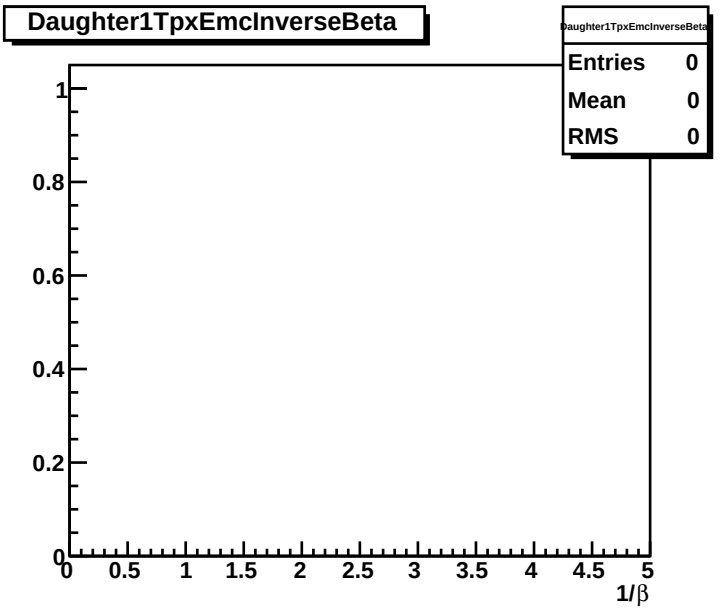

Emc_towerDaqId
Emc_towerDaqId
Entries 1.099144e+07
Mean 2662
RMS 1387
×10
TowerDaqId

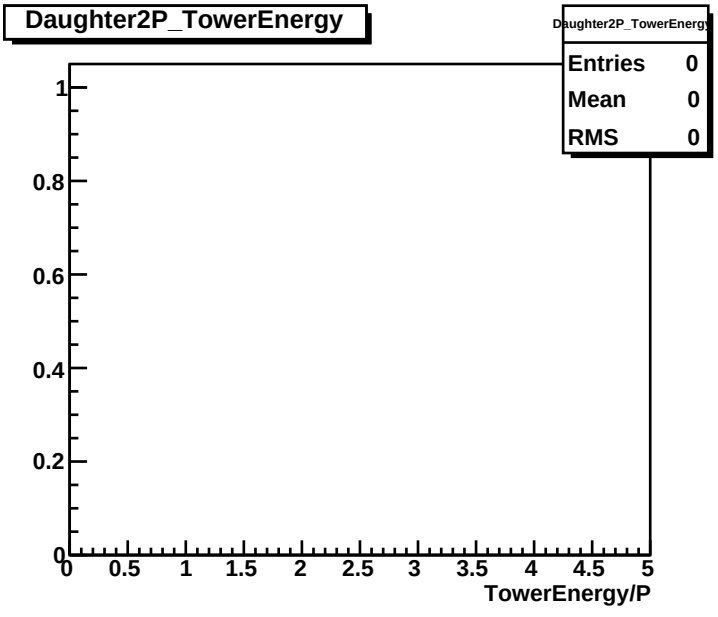

Emc_towerSoftId
Emc_towerSoftId
Entries 1.099144e+07
Mean 2362
RMS 1382
×10
TowerSoftId

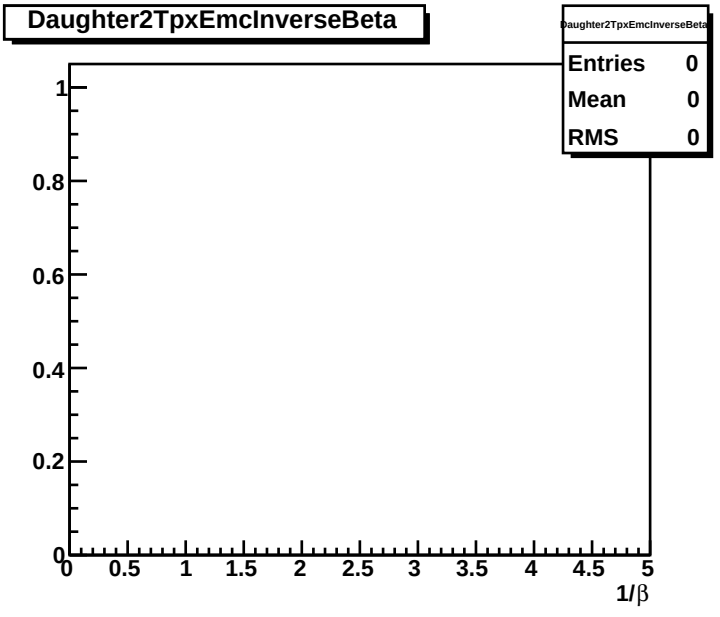

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

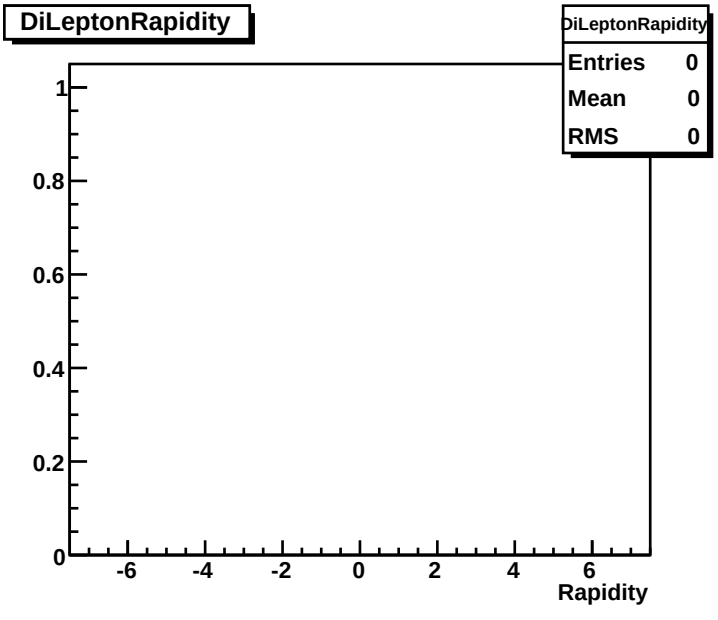

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 1.099144e+07
Mean x -0.07591
Mean y -0.008805
RMS x 1.798
RMS y 0.6265
η
ϕ

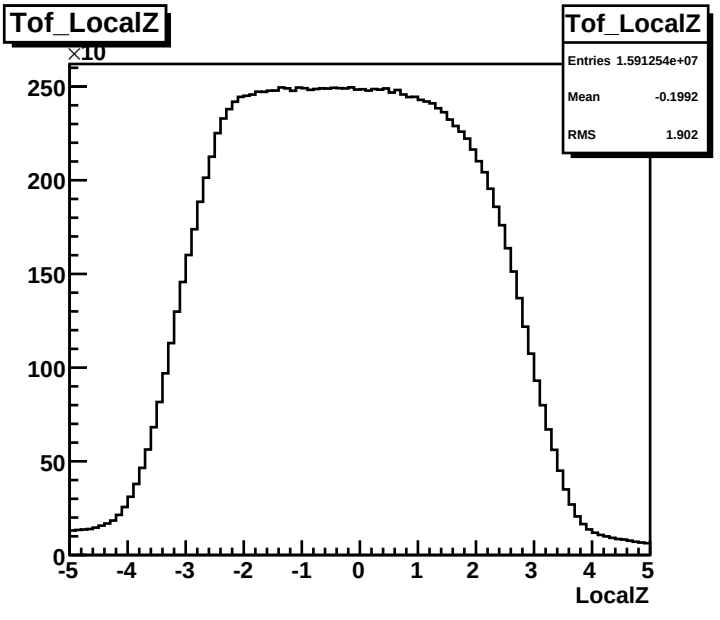

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

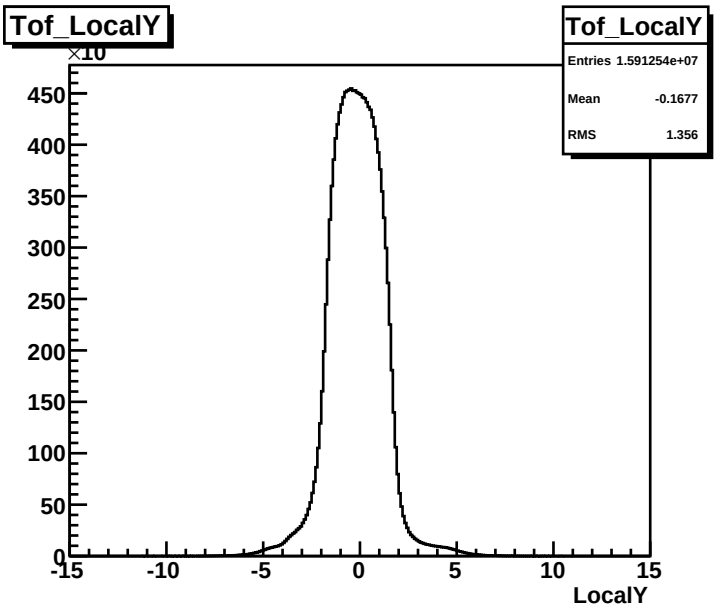

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

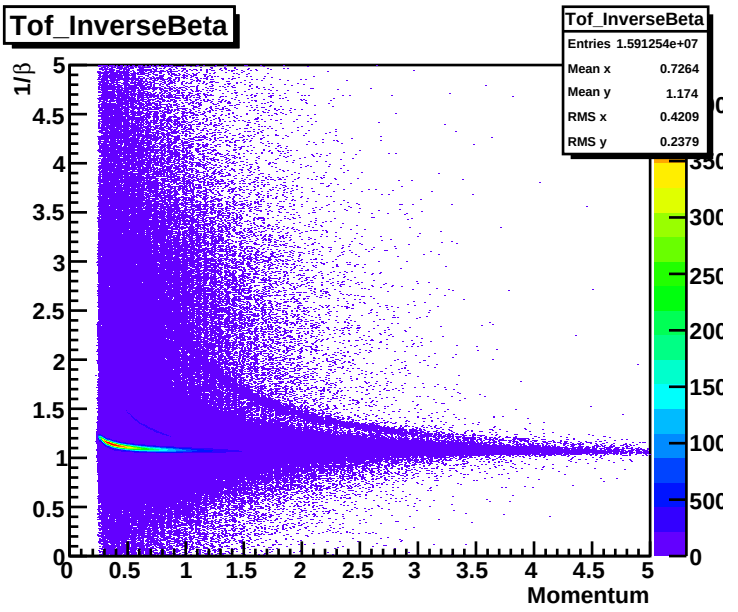

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

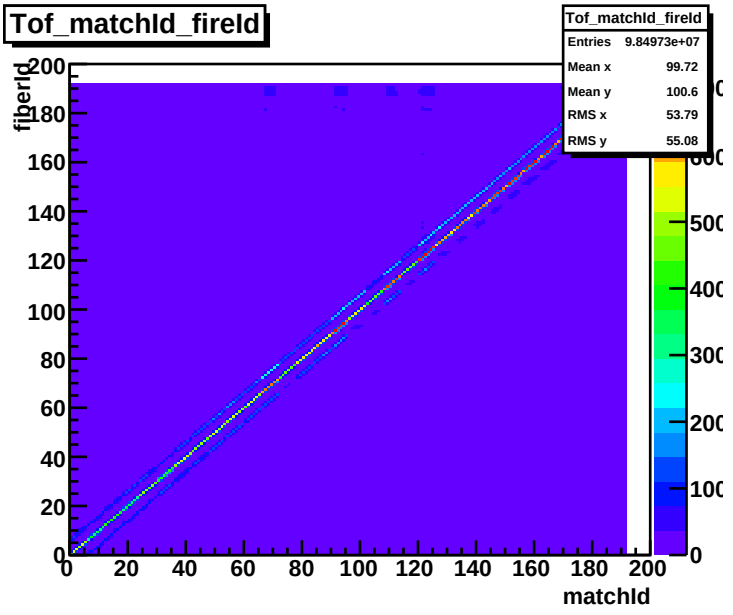

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

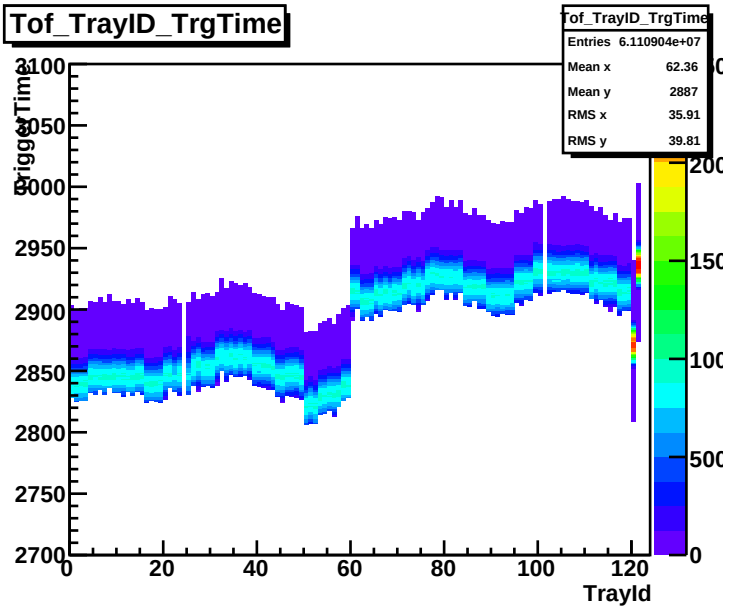

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

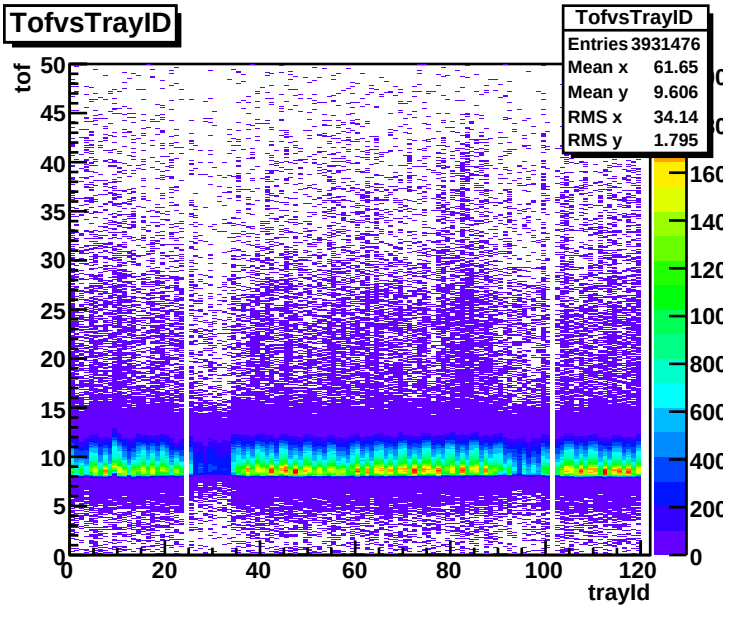

Tof_LocalZ
Tof_LocalZ
Entries 1.591254e+07
Mean -0.1992
RMS 1.902
×10
LocalZ

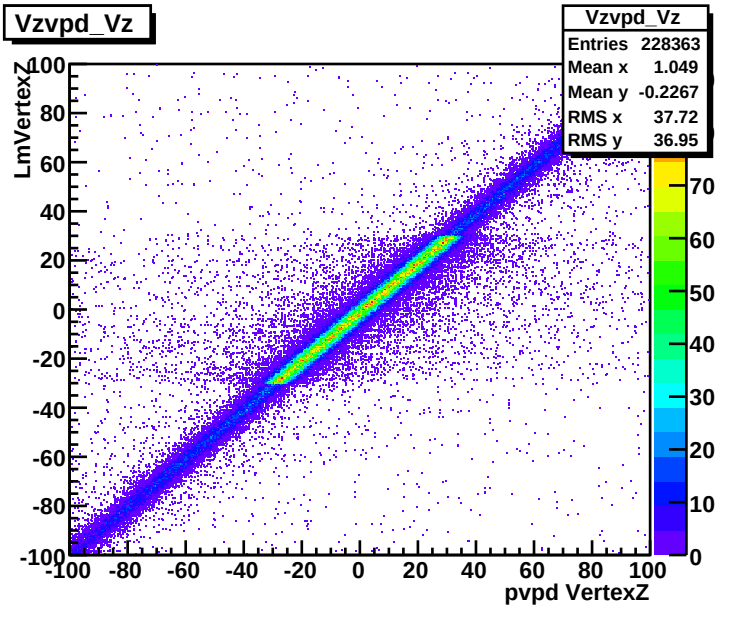

Tof_LocalY
Tof_LocalY
Entries 1.591254e+07
Mean -0.1677
RMS 1.356
×10
LocalY

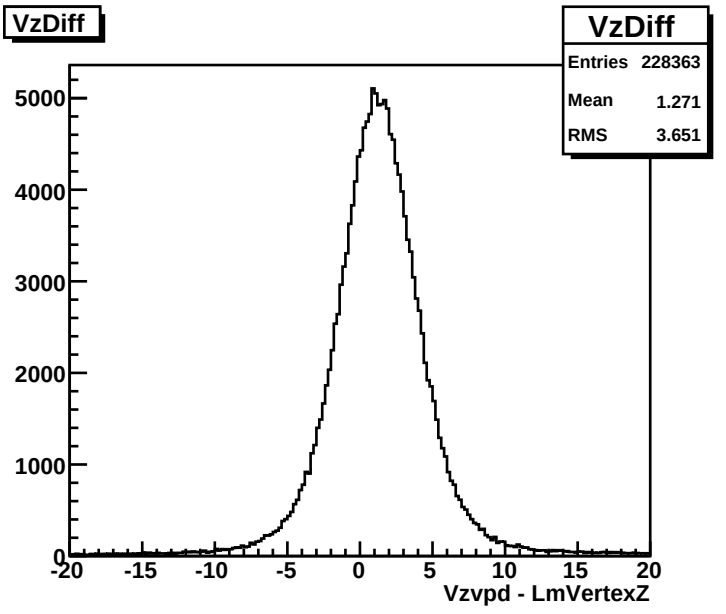

Tof_InverseBeta
Tof_InverseBeta
Entries 1.591254e+07
Mean x 0.7264
Mean y 1.174
RMS x 0.4209
RMS y 0.2379
1/β
Momentum

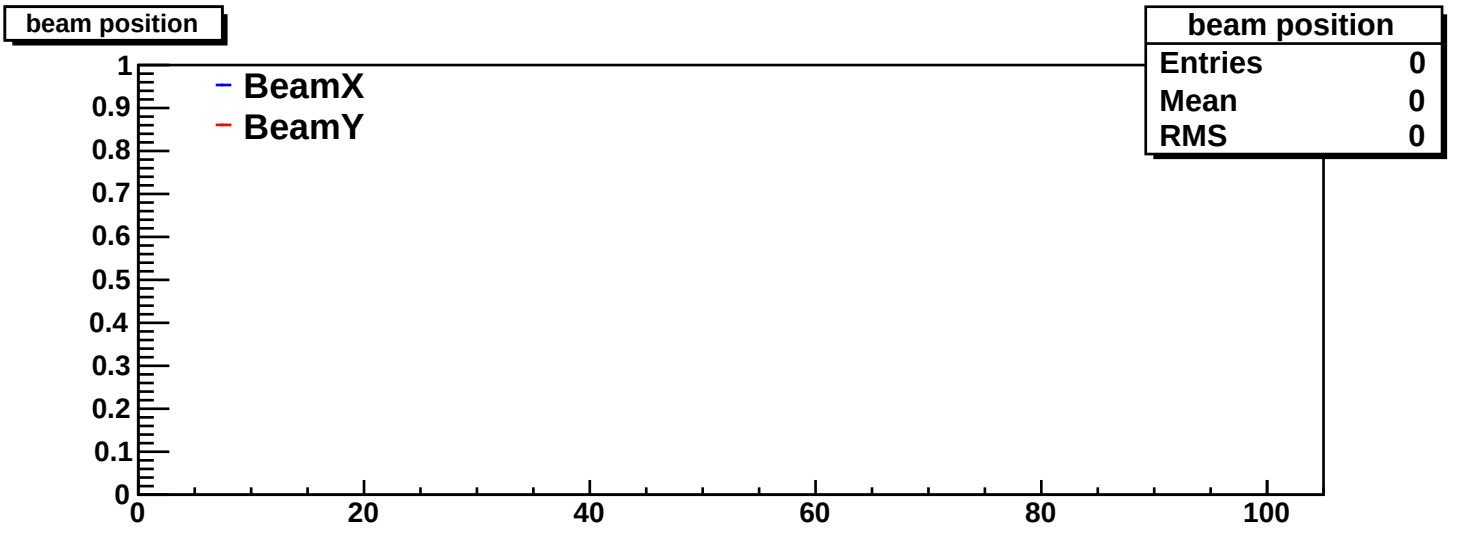

Tof_matchId_fireId
Tof_matchId_fireId
Entries 9.84973e+07
Mean x 99.72
Mean y 100.6
RMS x 53.79
RMS y 55.08
fiberId
matchId

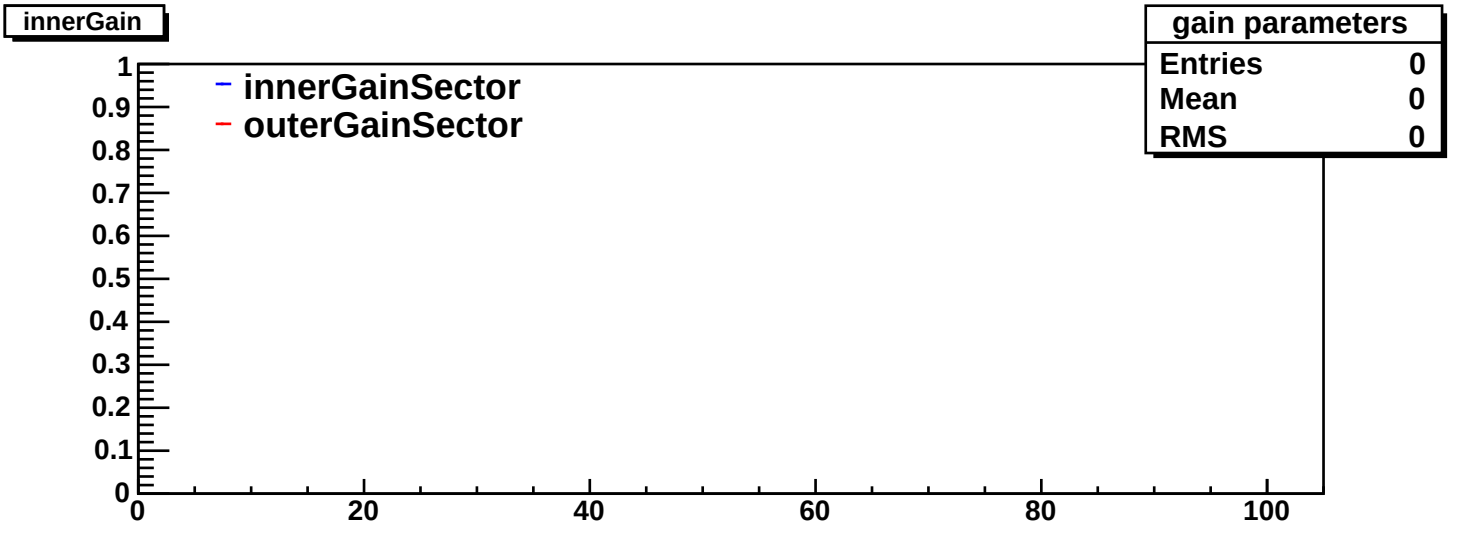

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 6.110904e+07
Mean x 62.36
Mean y 2887
RMS x 35.91
RMS y 39.81
TrayId

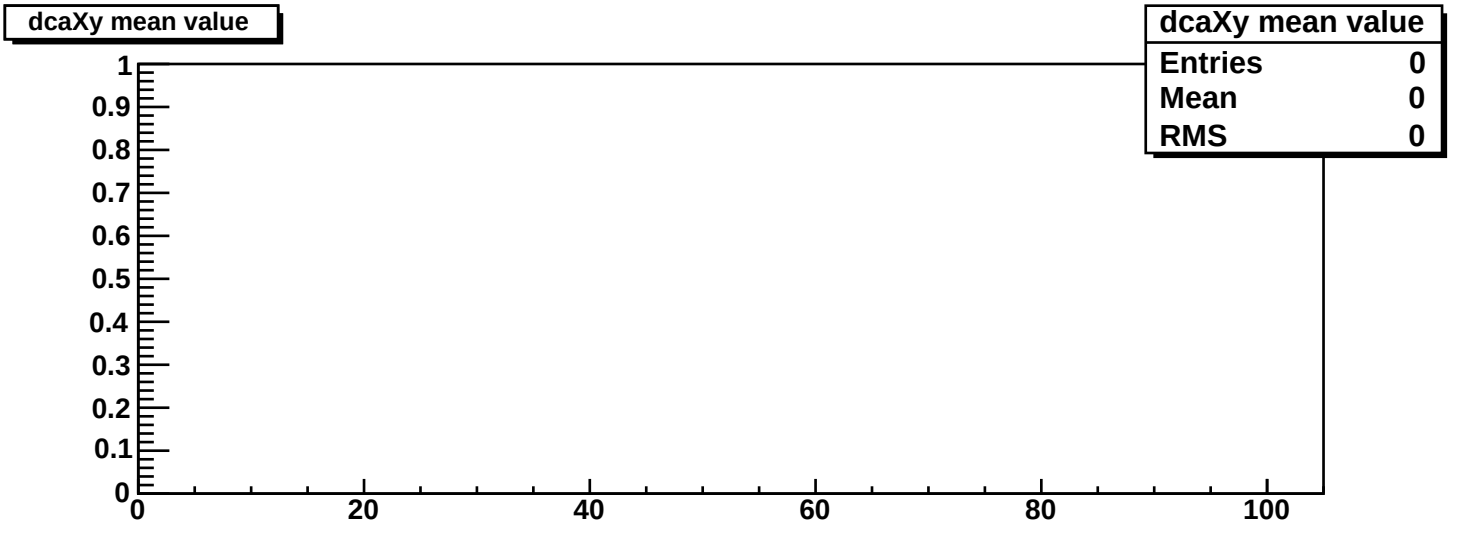

TofvsTrayID
TofvsTrayID
Entries 3931476
Mean x 61.65
Mean y 9.606
RMS x 34.14
RMS y 1.795
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 228363
Mean x 1.049
Mean y -0.2267
RMS x 37.72
RMS y 36.95
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 228363
Mean 1.271
RMS 3.651
5000
4000
3000
2000
1000
0
-20
-15
-10
-5
0
5
10
15
20
Vzvpd - LmVertexZ


beam position
BeamX
BeamY
beam position
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100


innerGain
innerGainSector
outerGainSector
gain parameters
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100


dcaXy mean value
dcaXy mean value
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100