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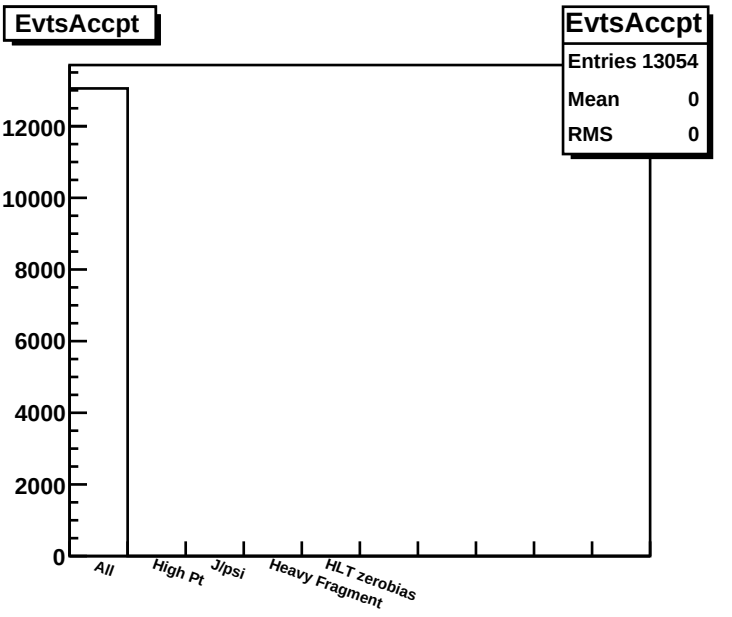
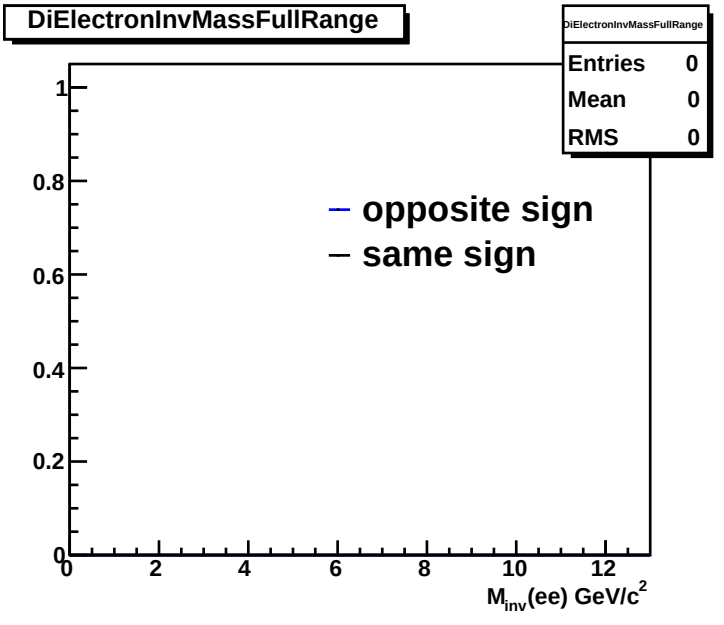
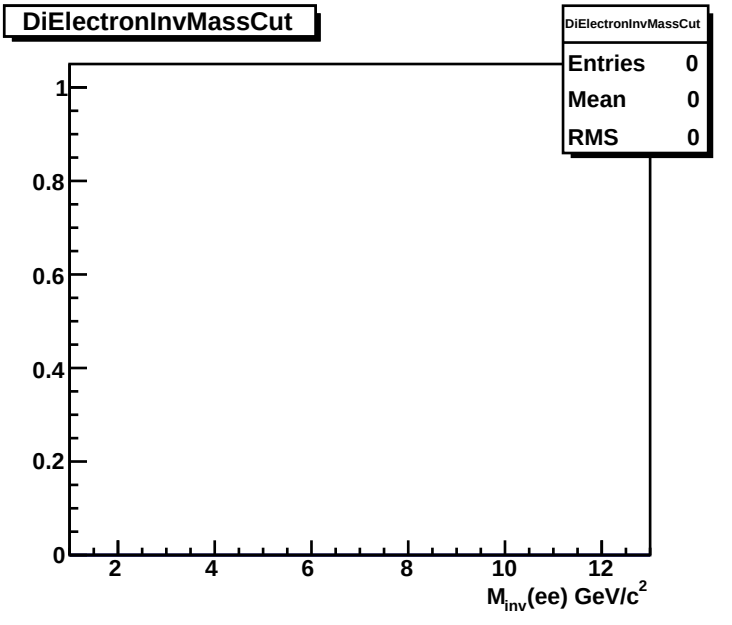
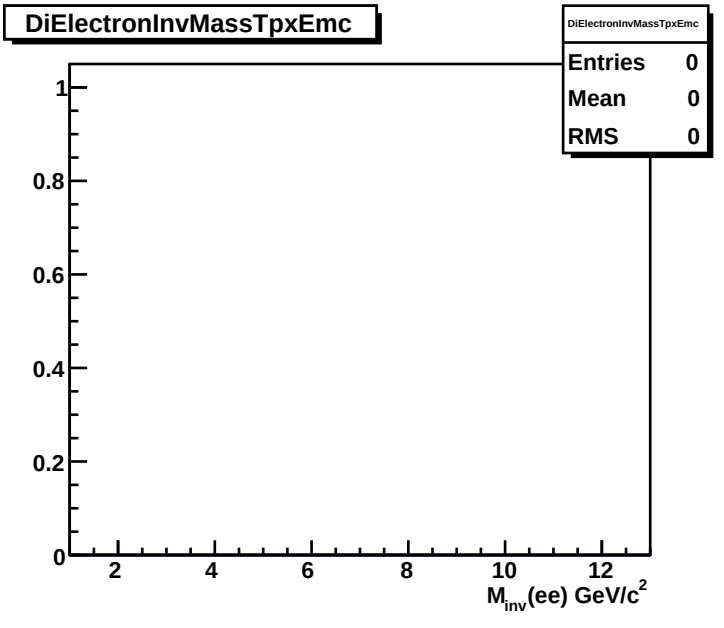
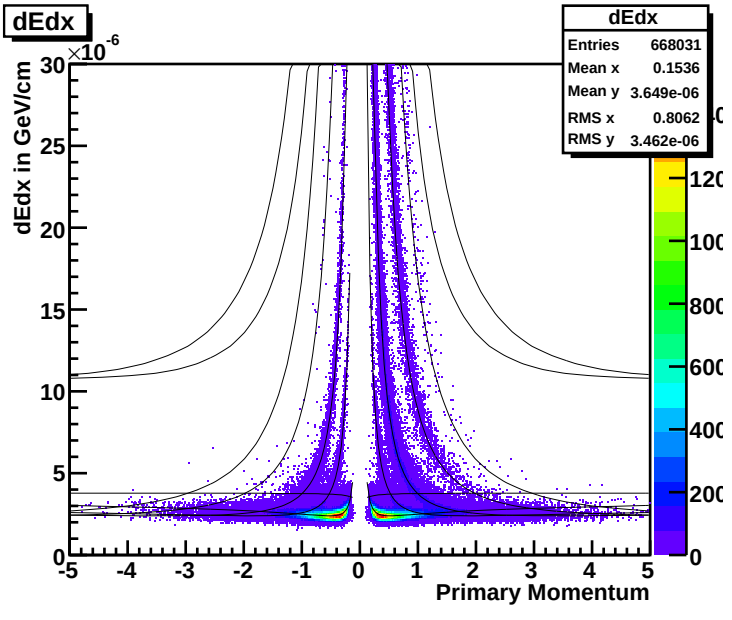
Tue Jun 21 20:28:57 2011

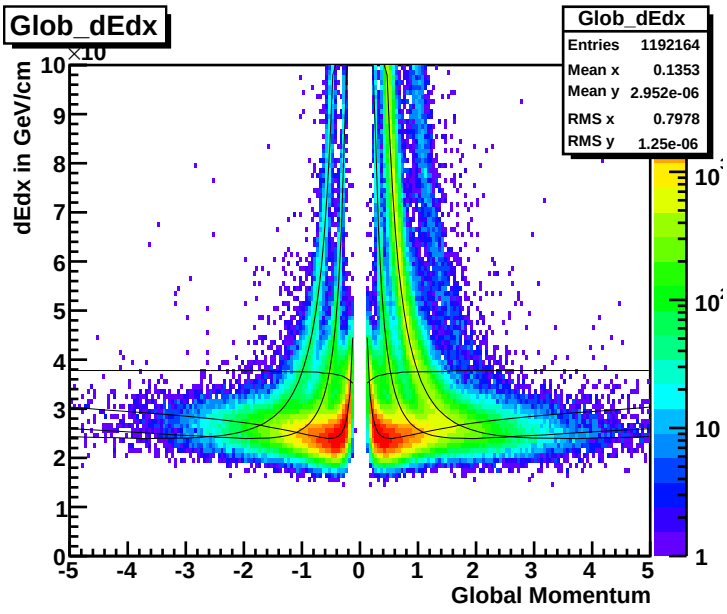


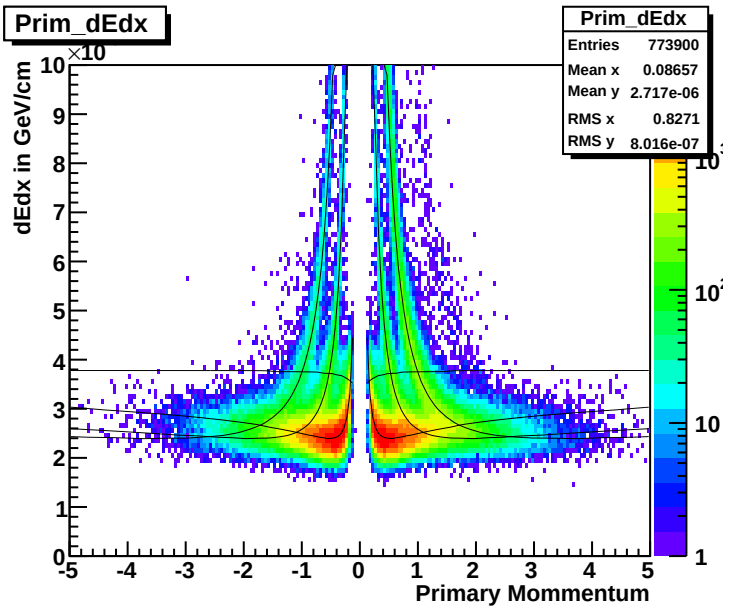


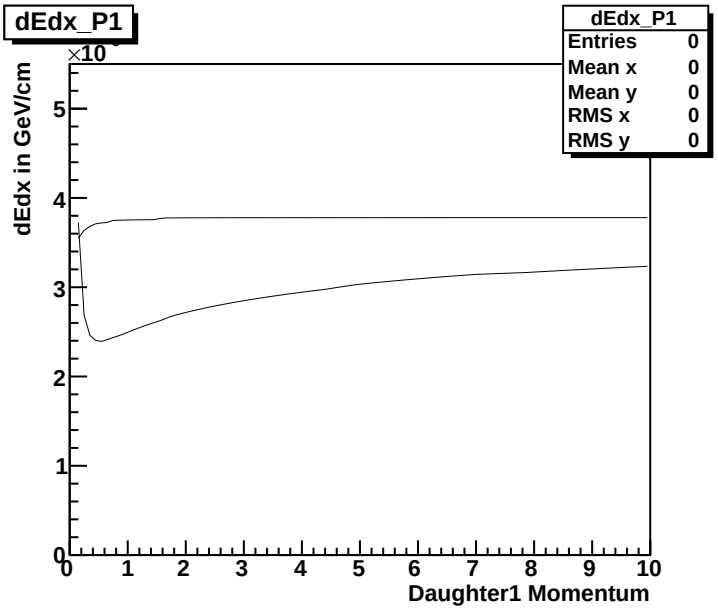


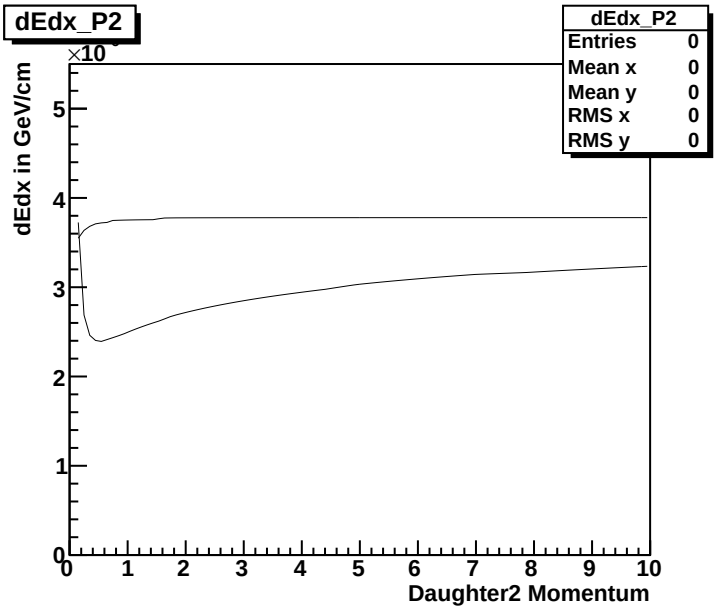


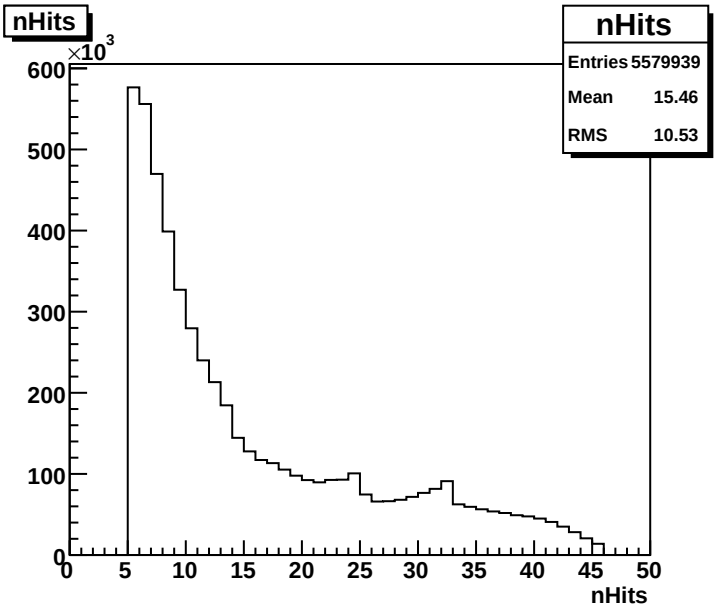


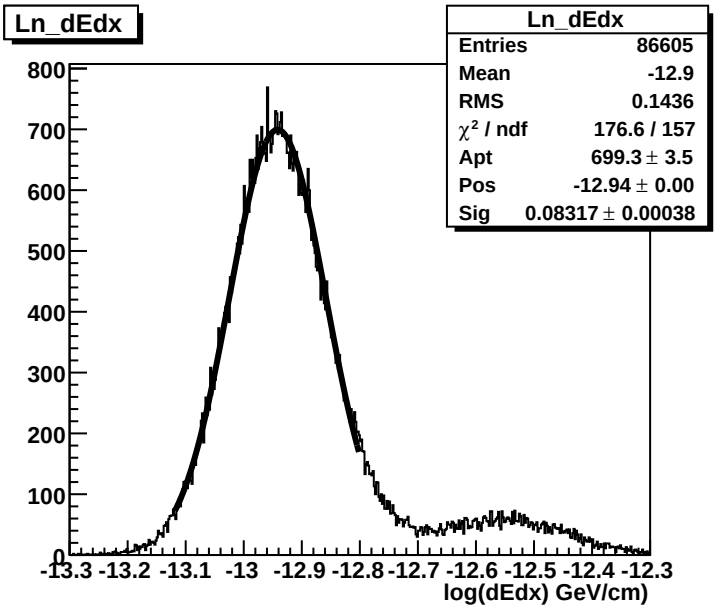

Glob_dEdx
Glob_dEdx
Entries 1192164
Mean x 0.1353
Mean y 2.952e-06
RMS x 0.7978
RMS y 1.25e-06
dEdx in GeV/cm
Global Momentum

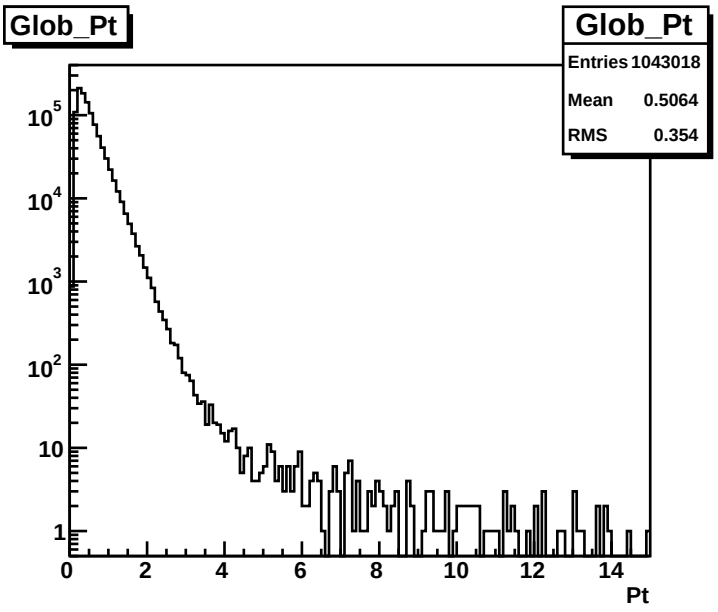

Prim_dEdx
Prim_dEdx
Entries 773900
Mean x 0.08657
Mean y 2.717e-06
RMS x 0.8271
RMS y 8.016e-07
dEdx in GeV/cm
Primary Mommentum

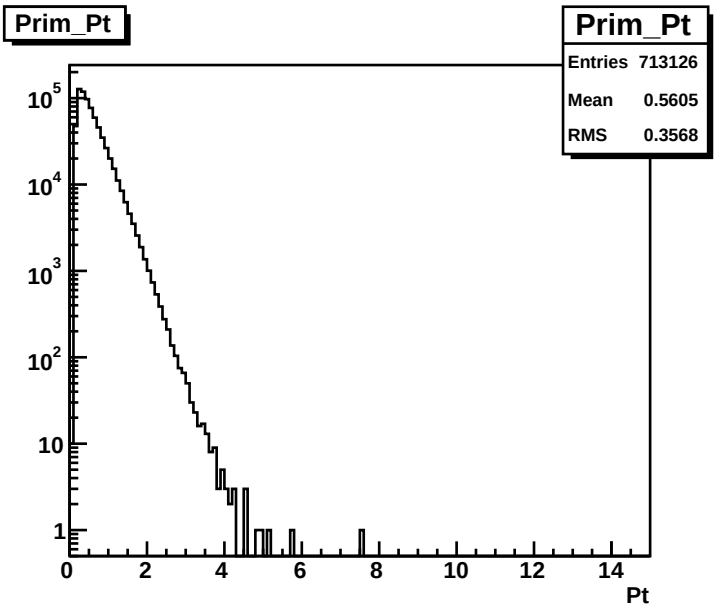

dEdx_P1
dEdx_P1
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter1 Momentum

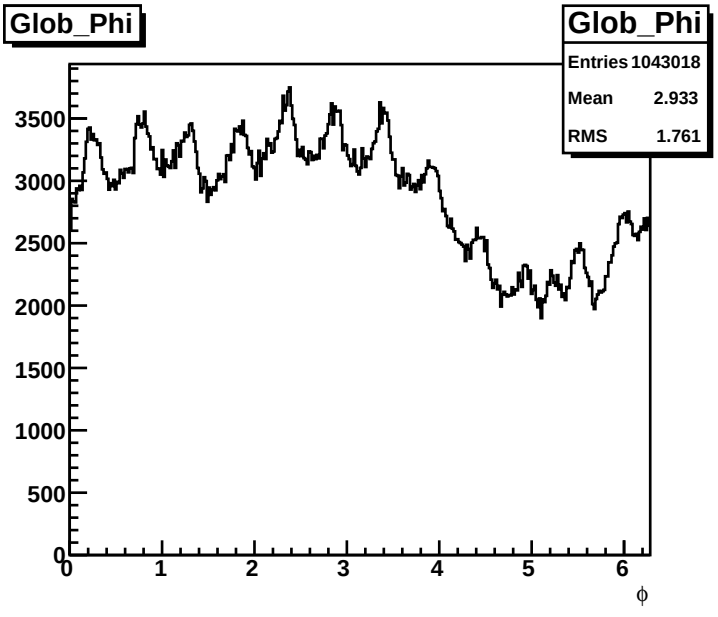

dEdx_P2
dEdx_P2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
dEdx in GeV/cm
Daughter2 Momentum

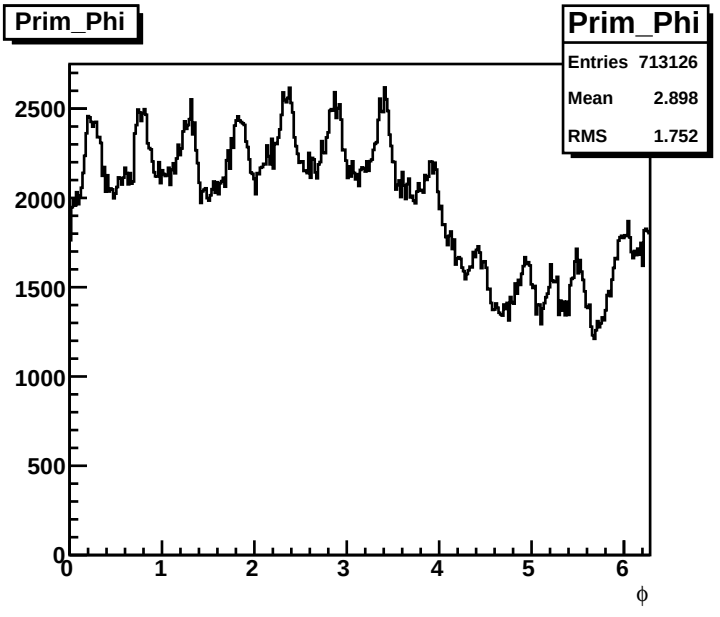

nHits
nHits
Entries 5579939
Mean 15.46
RMS 10.53
nHits

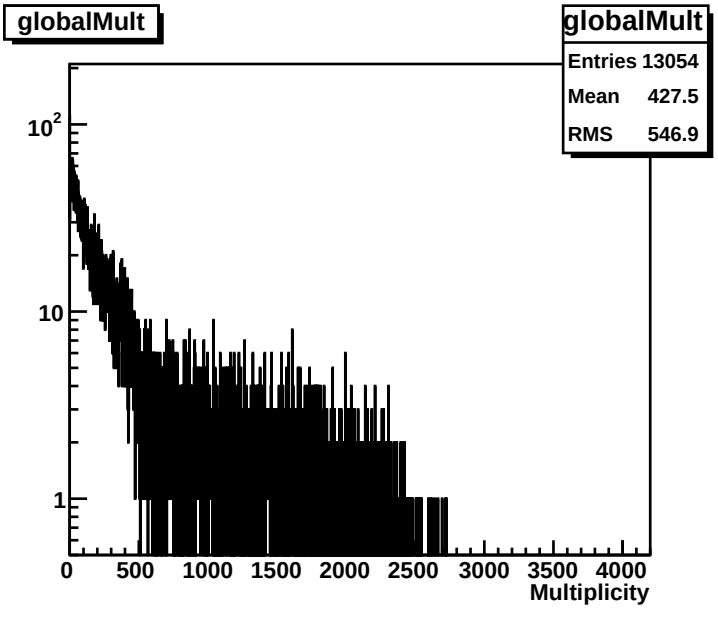

Ln_dEdx
Ln_dEdx
Entries 86605
Mean -12.9
RMS 0.1436
χ² / ndf 176.6 / 157
Apt 699.3 ± 3.5
Pos -12.94 ± 0.00
Sig 0.08317 ± 0.00038
log(dEdx) GeV/cm

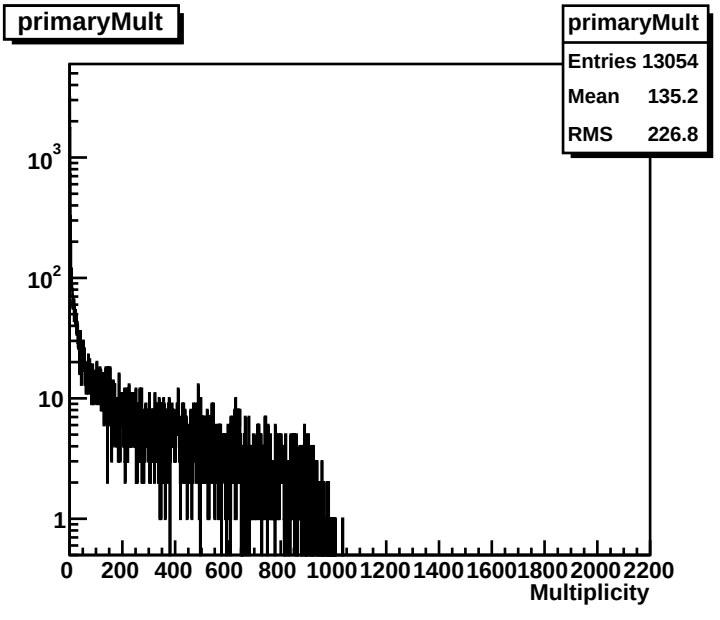

Glob_Pt
Glob_Pt
Entries 1043018
Mean 0.5064
RMS 0.354
Pt

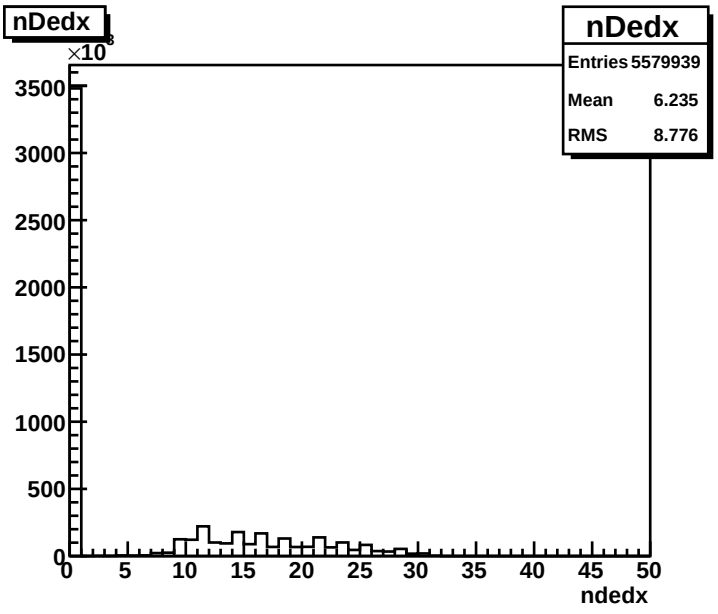

Prim_Pt
Prim_Pt
Entries 713126
Mean 0.5605
RMS 0.3568
Pt

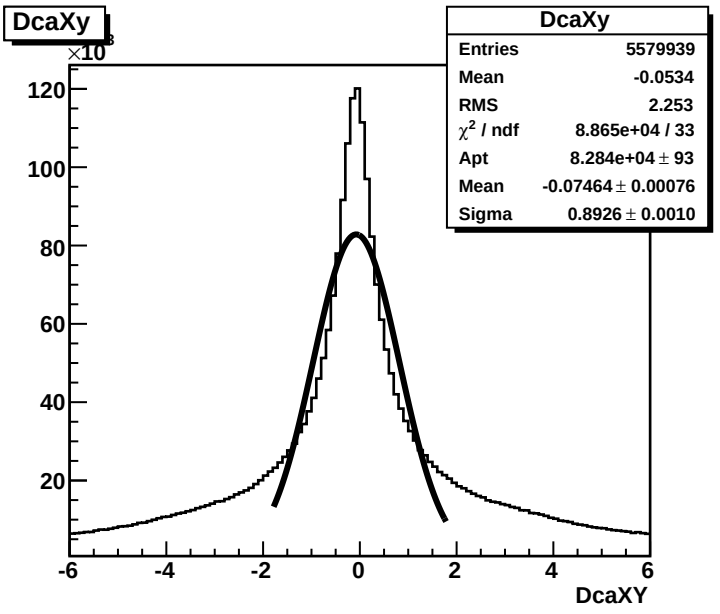

Glob_Phi
Glob_Phi
Entries 1043018
Mean 2.933
RMS 1.761
ϕ

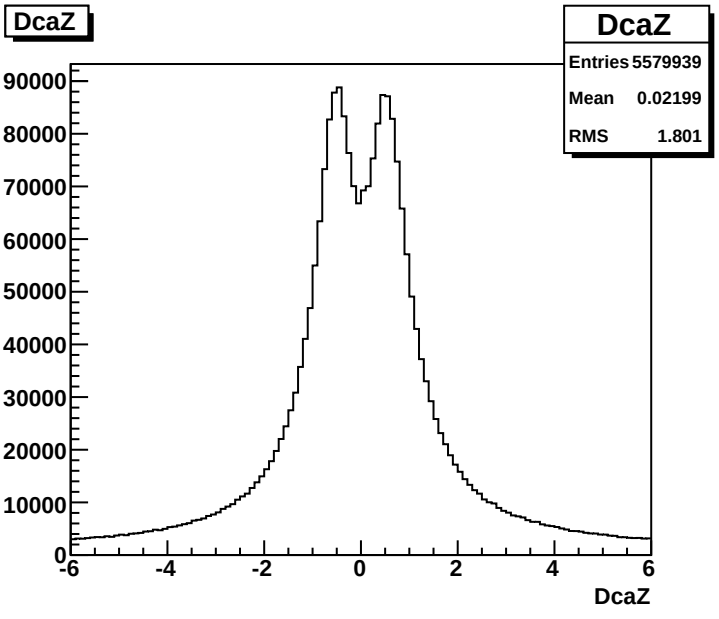

Prim_Phi
Prim_Phi
Entries 713126
Mean 2.898
RMS 1.752
ϕ

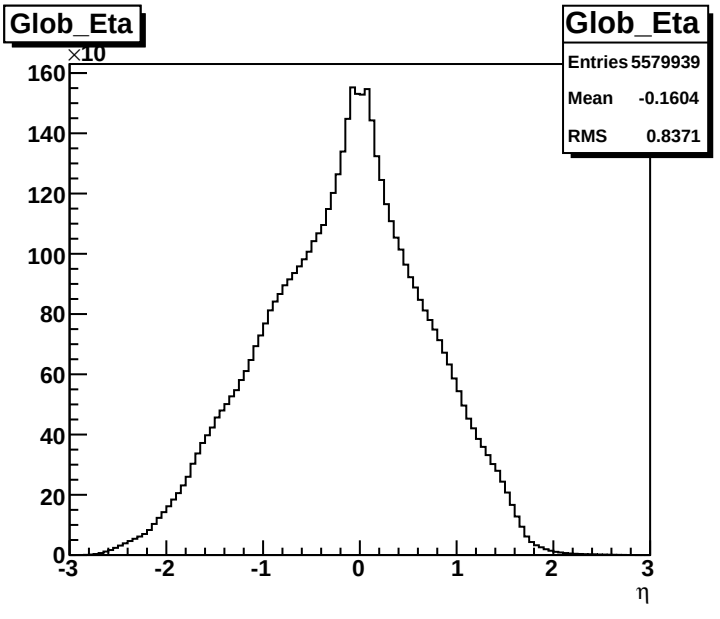

globalMult
globalMult
Entries 13054
Mean 427.5
RMS 546.9
Multiplicity

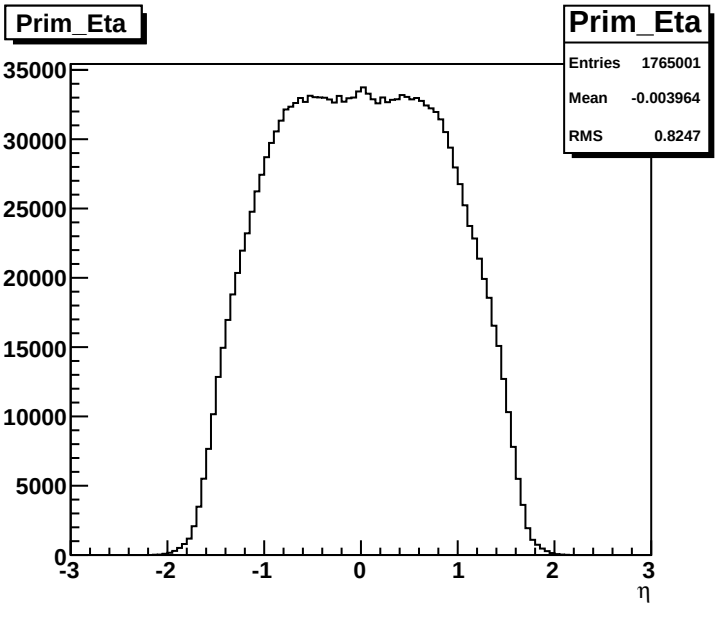

primaryMult
primaryMult
Entries 13054
Mean 135.2
RMS 226.8
Multiplicity

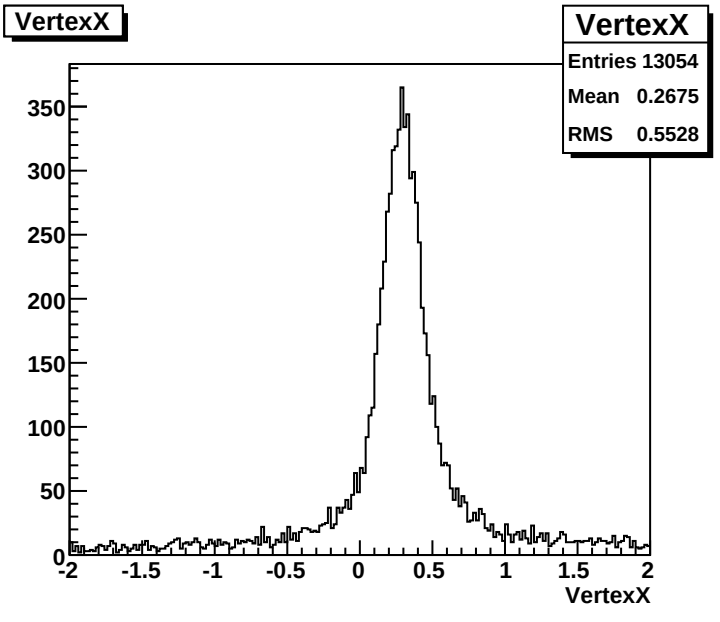

nDedx
nDedx
Entries 5579939
Mean 6.235
RMS 8.776
×10³
ndedx

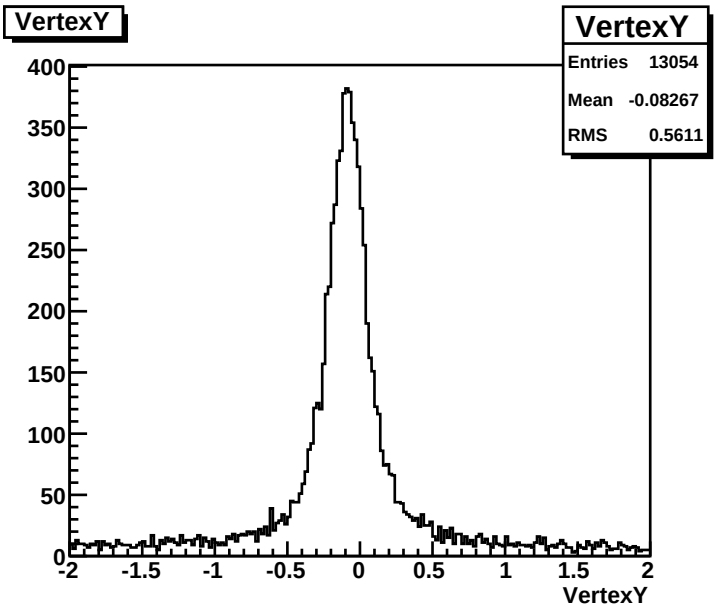

DcaXy
DcaXy
Entries 5579939
Mean -0.0534
RMS 2.253
χ² / ndf 8.865e+04 / 33
Apt 8.284e+04 ± 93
Mean -0.07464 ± 0.00076
Sigma 0.8926 ± 0.0010
×10³
DcaXY

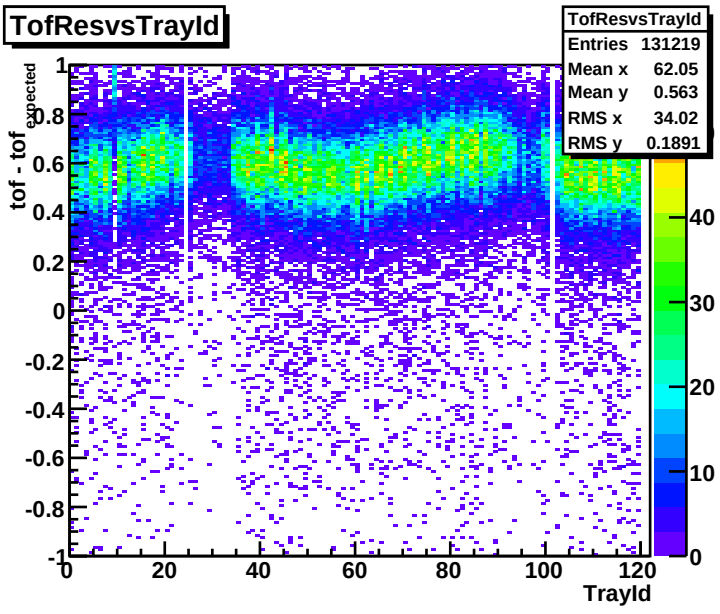

DcaZ
DcaZ
Entries 5579939
Mean 0.02199
RMS 1.801
DcaZ

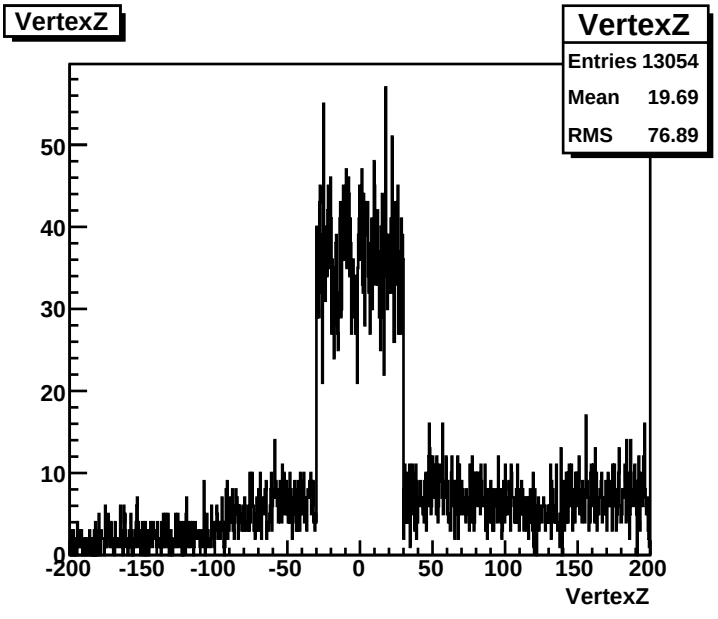

Glob_Eta
Glob_Eta
Entries 5579939
Mean -0.1604
RMS 0.8371
×10
η

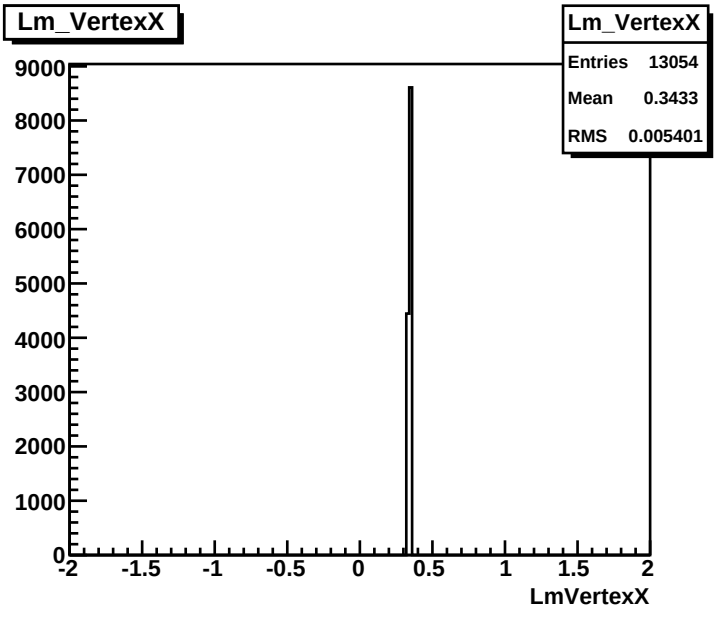

Prim_Eta
Prim_Eta
Entries 1765001
Mean -0.003964
RMS 0.8247
η

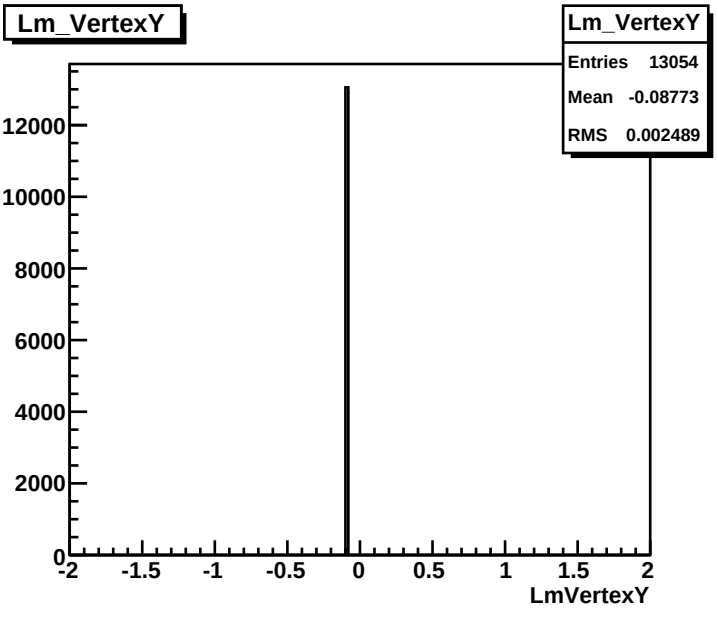

VertexX
VertexX
Entries 13054
Mean 0.2675
RMS 0.5528
VertexX

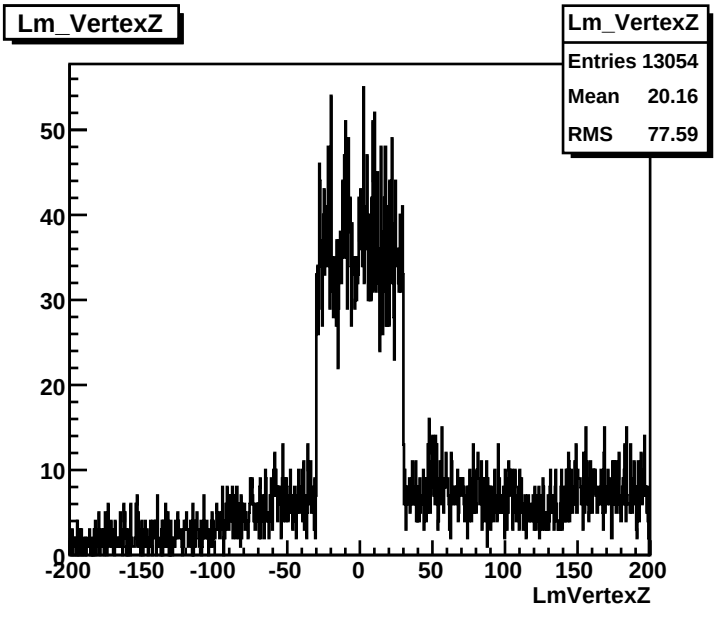

VertexY
VertexY
Entries 13054
Mean -0.08267
RMS 0.5611
VertexY

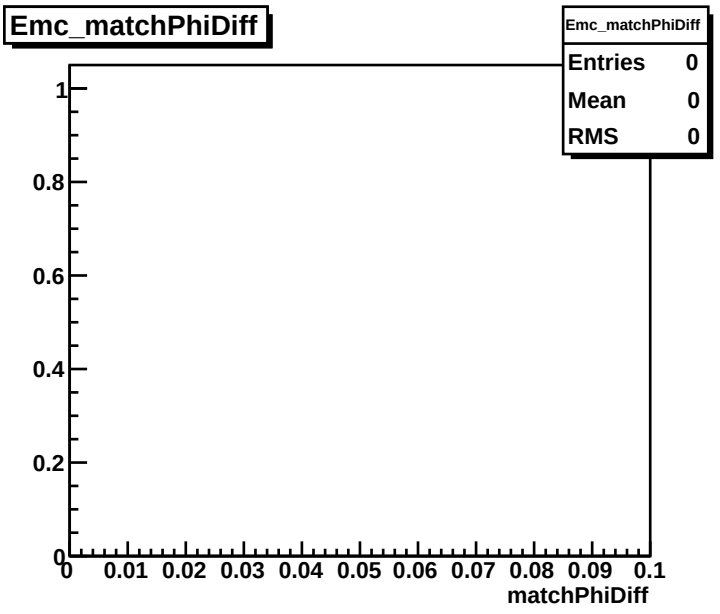

TofResvsTrayId
TofResvsTrayId
Entries 131219
Mean x 62.05
Mean y 0.563
RMS x 34.02
RMS y 0.1891
tof - tof expected
TrayId

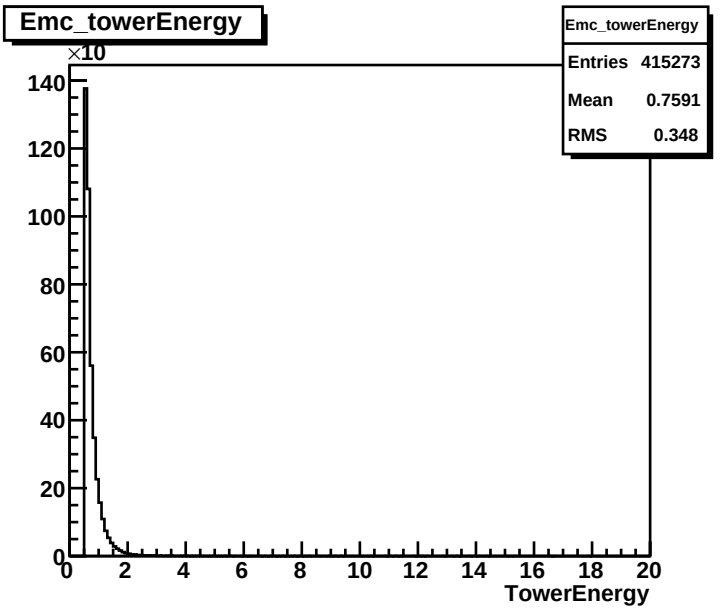

VertexZ
VertexZ
Entries 13054
Mean 19.69
RMS 76.89
VertexZ

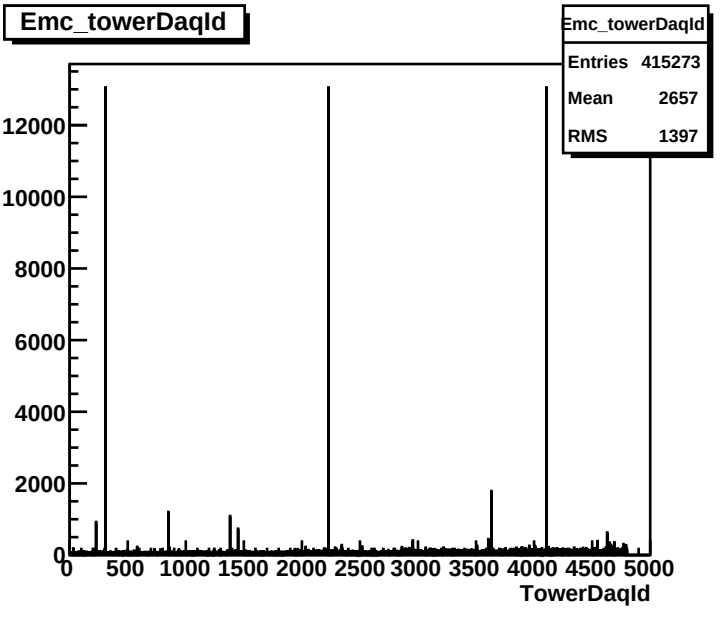

Lm_VertexX
Lm_VertexX
Entries 13054
Mean 0.3433
RMS 0.005401
LmVertexX

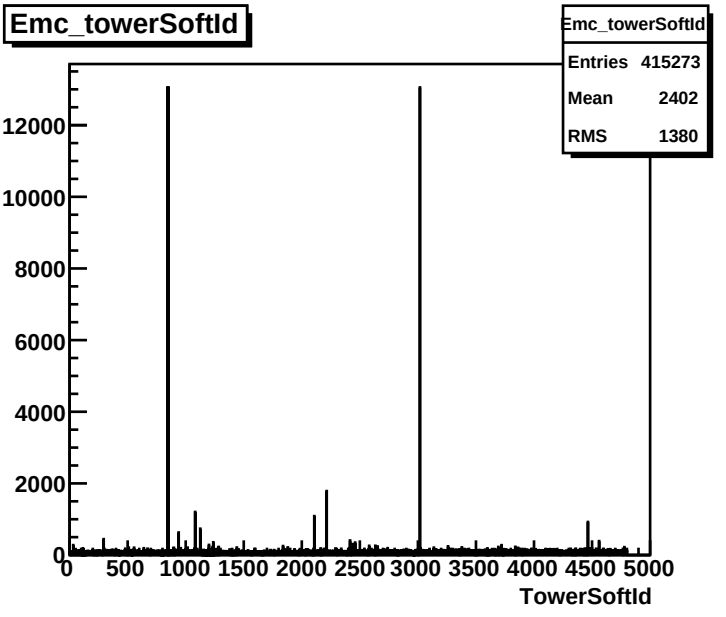

Lm_VertexY
Lm_VertexY
Entries 13054
Mean -0.08773
RMS 0.002489
LmVertexY

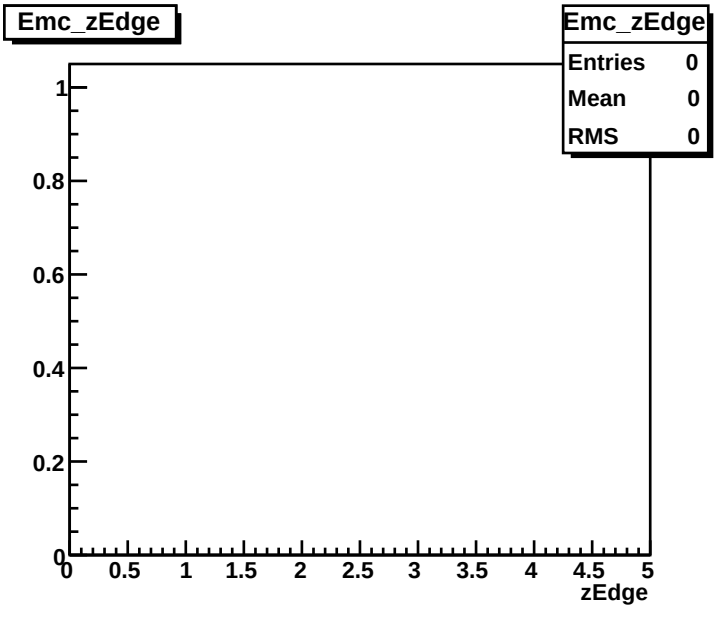

Lm_VertexZ
Lm_VertexZ
Entries 13054
Mean 20.16
RMS 77.59
LmVertexZ

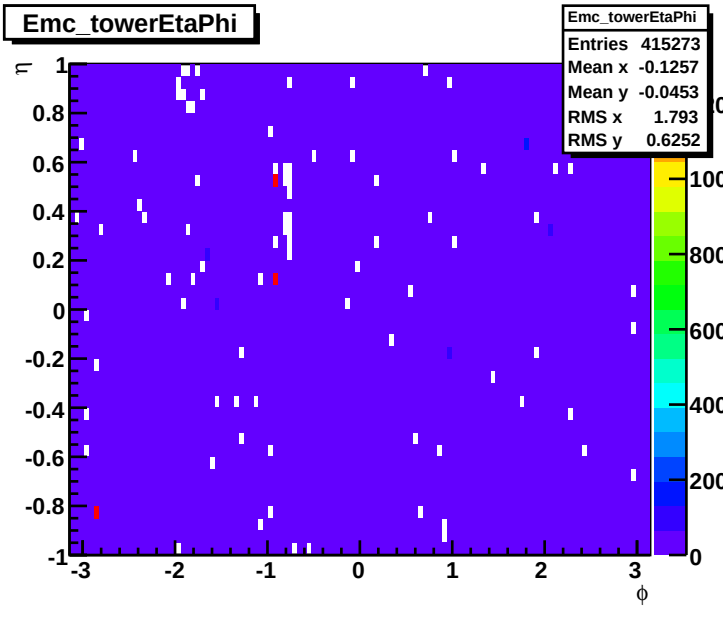

Emc_matchPhiDiff
Emc_matchPhiDiff
Entries 0
Mean 0
RMS 0
matchPhiDiff

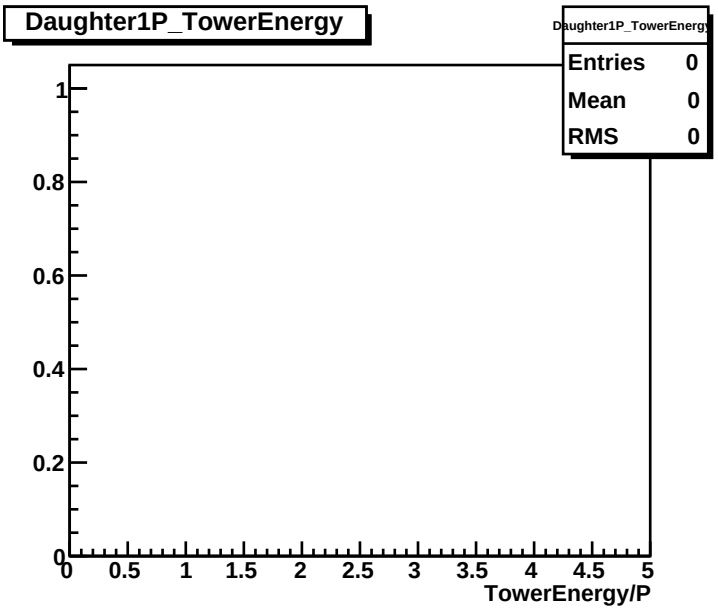

Emc_towerEnergy
Emc_towerEnergy
Entries 415273
Mean 0.7591
RMS 0.348
×10
TowerEnergy

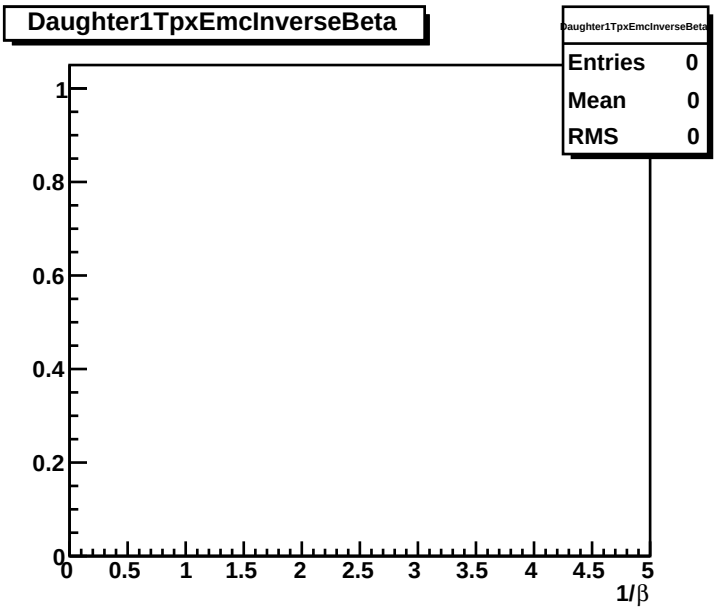

Emc_towerDaqId
Emc_towerDaqId
Entries 415273
Mean 2657
RMS 1397
TowerDaqId

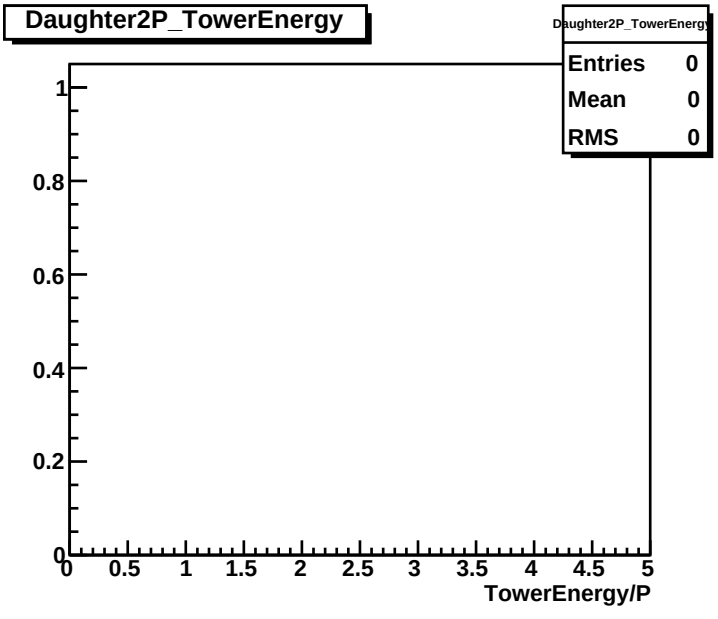

Emc_towerSoftId
Emc_towerSoftId
Entries 415273
Mean 2402
RMS 1380
TowerSoftId

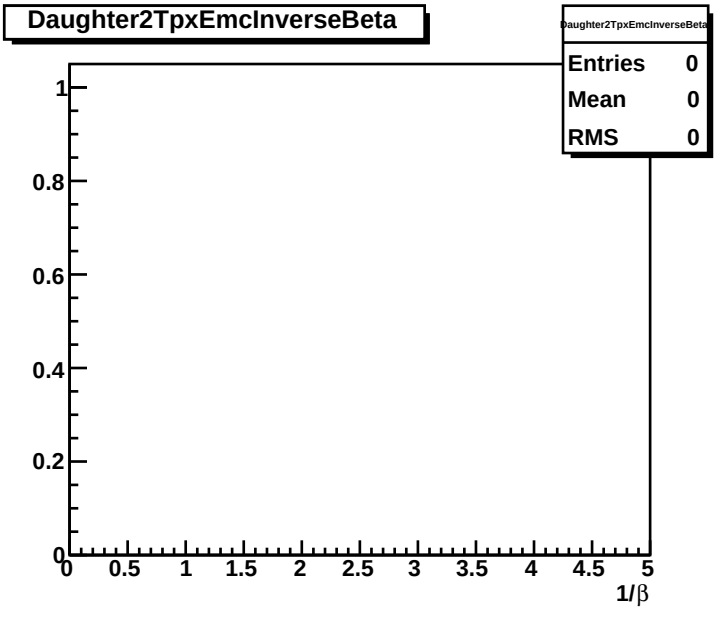

Emc_zEdge
Emc_zEdge
Entries 0
Mean 0
RMS 0
zEdge

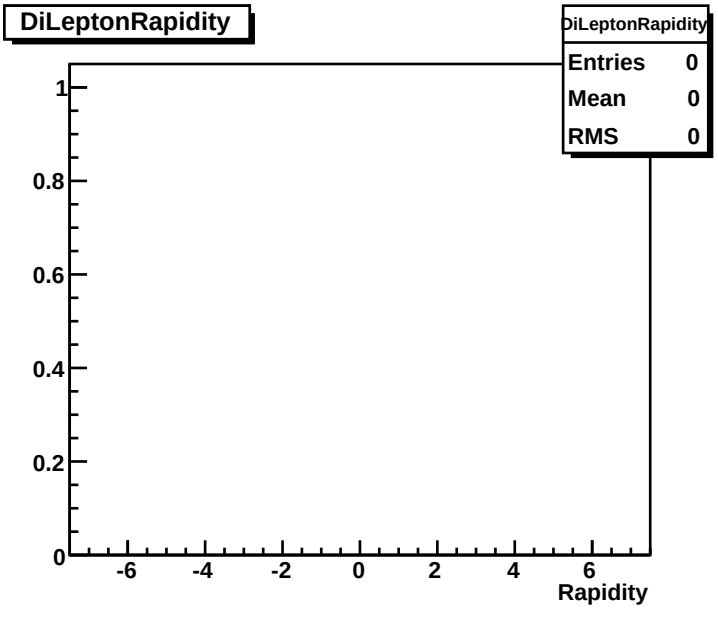

Emc_towerEtaPhi
Emc_towerEtaPhi
Entries 415273
Mean x -0.1257
Mean y -0.0453
RMS x 1.793
RMS y 0.6252
η
ϕ

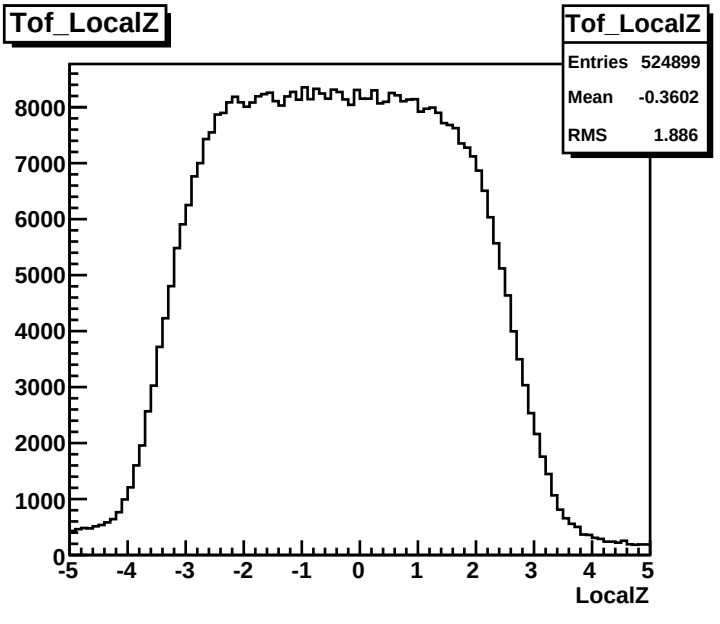

Daughter1P_TowerEnergy
Daughter1P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

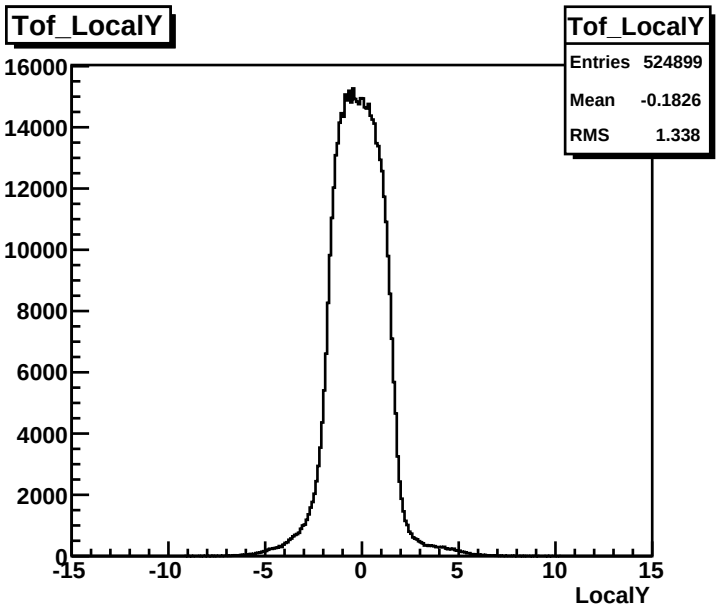

Daughter1TpxEmcInverseBeta
Daughter1TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

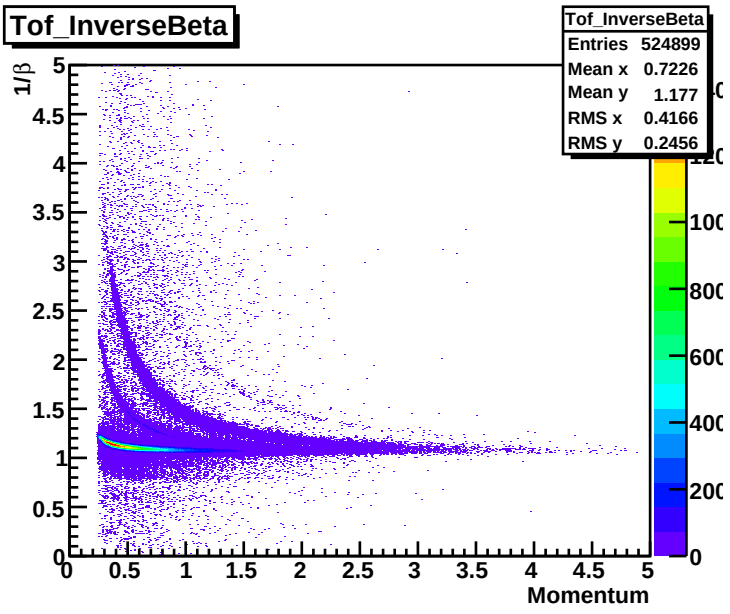

Daughter2P_TowerEnergy
Daughter2P_TowerEnergy
Entries 0
Mean 0
RMS 0
TowerEnergy/P

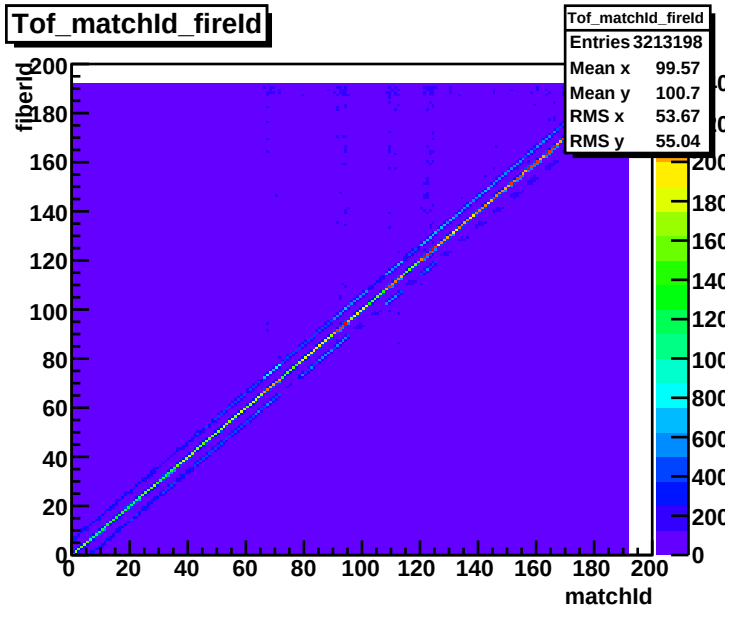

Daughter2TpxEmcInverseBeta
Daughter2TpxEmcInverseBeta
Entries 0
Mean 0
RMS 0
1/β

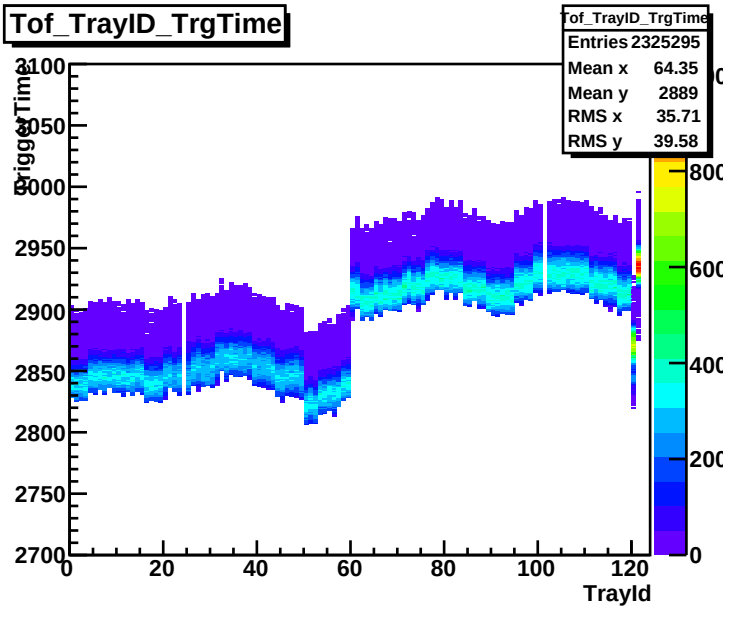

DiLeptonRapidity
DiLeptonRapidity
Entries 0
Mean 0
RMS 0
Rapidity

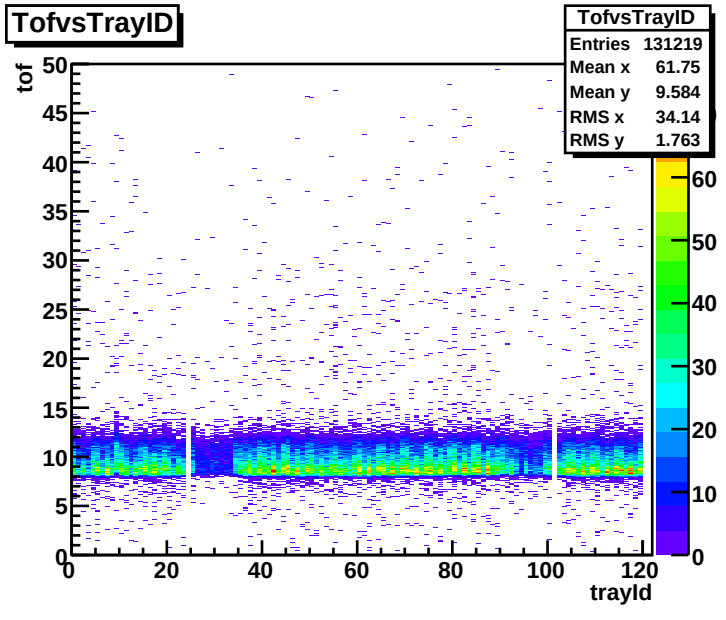

Tof_LocalZ
Tof_LocalZ
Entries 524899
Mean -0.3602
RMS 1.886
LocalZ

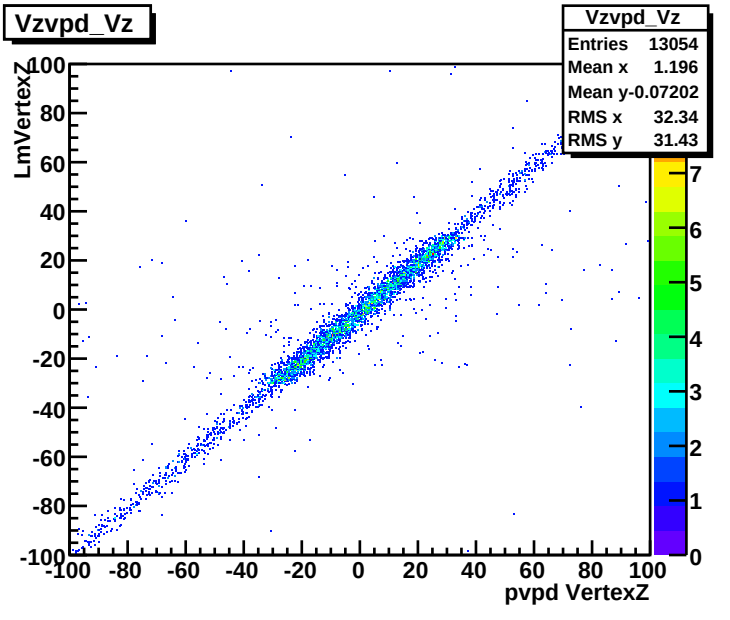

Tof_LocalY
Tof_LocalY
Entries 524899
Mean -0.1826
RMS 1.338
LocalY

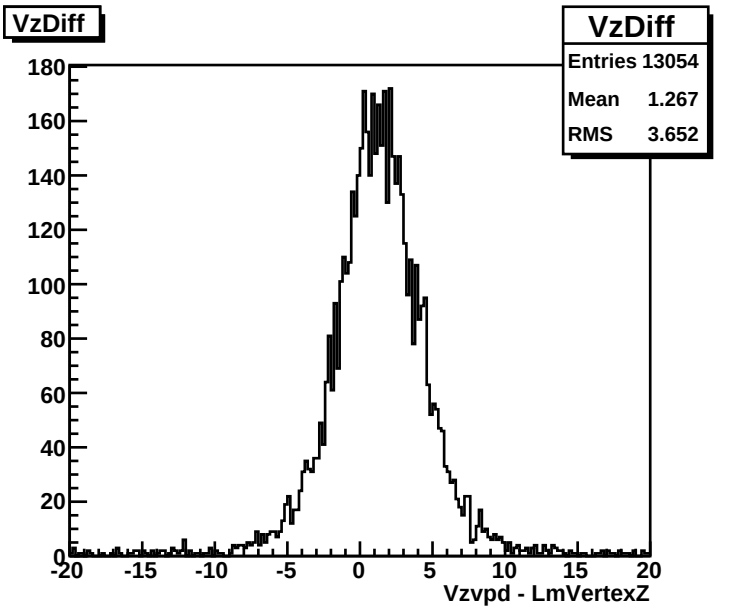

Tof_InverseBeta
Tof_InverseBeta
Entries 524899
Mean x 0.7226
Mean y 1.177
RMS x 0.4166
RMS y 0.2456
1/β
Momentum

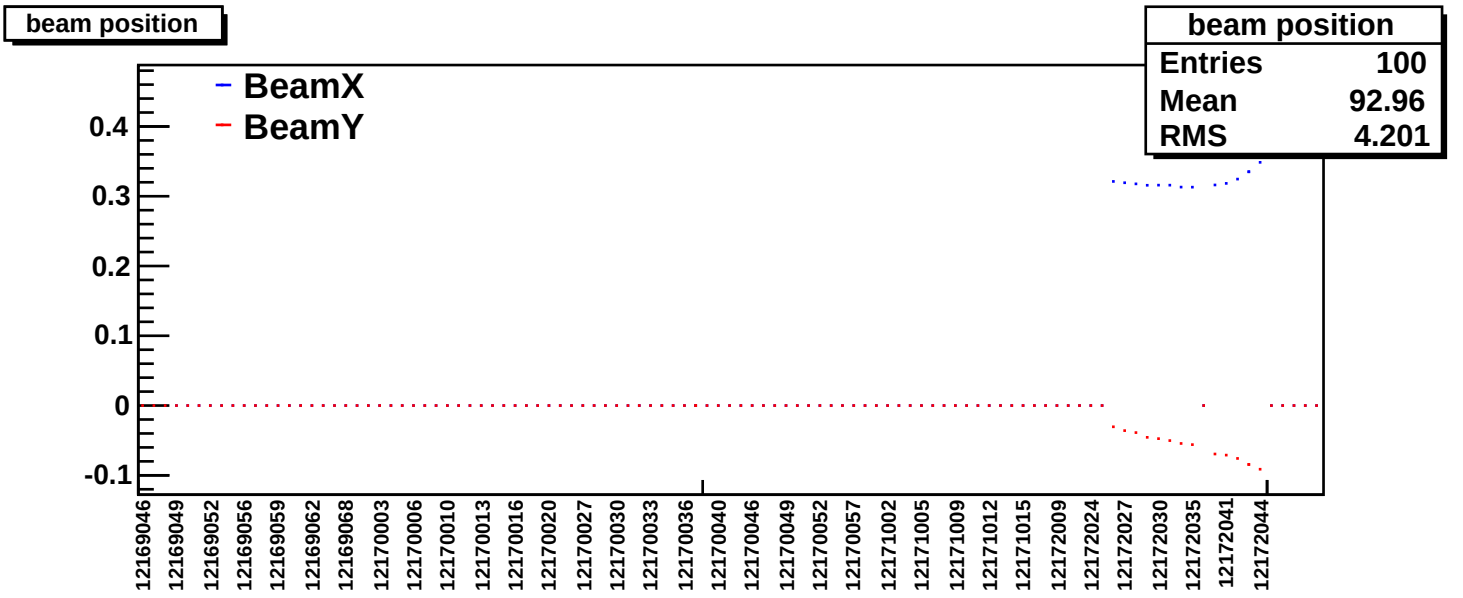

Tof_matchId_fireId
Tof_matchId_fireId
Entries 3213198
Mean x 99.57
Mean y 100.7
RMS x 53.67
RMS y 55.04
fiberId
matchId

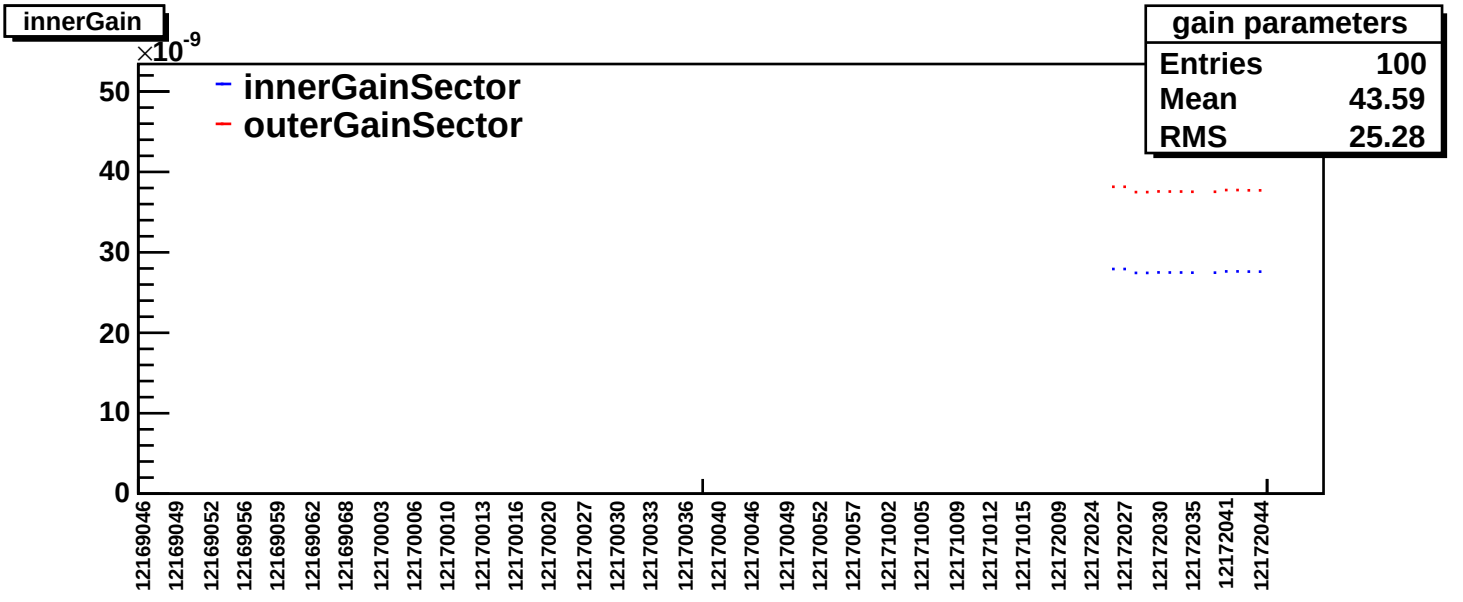

Tof_TrayID_TrgTime
Tof_TrayID_TrgTime
Entries 2325295
Mean x 64.35
Mean y 2889
RMS x 35.71
RMS y 39.58
TrayId

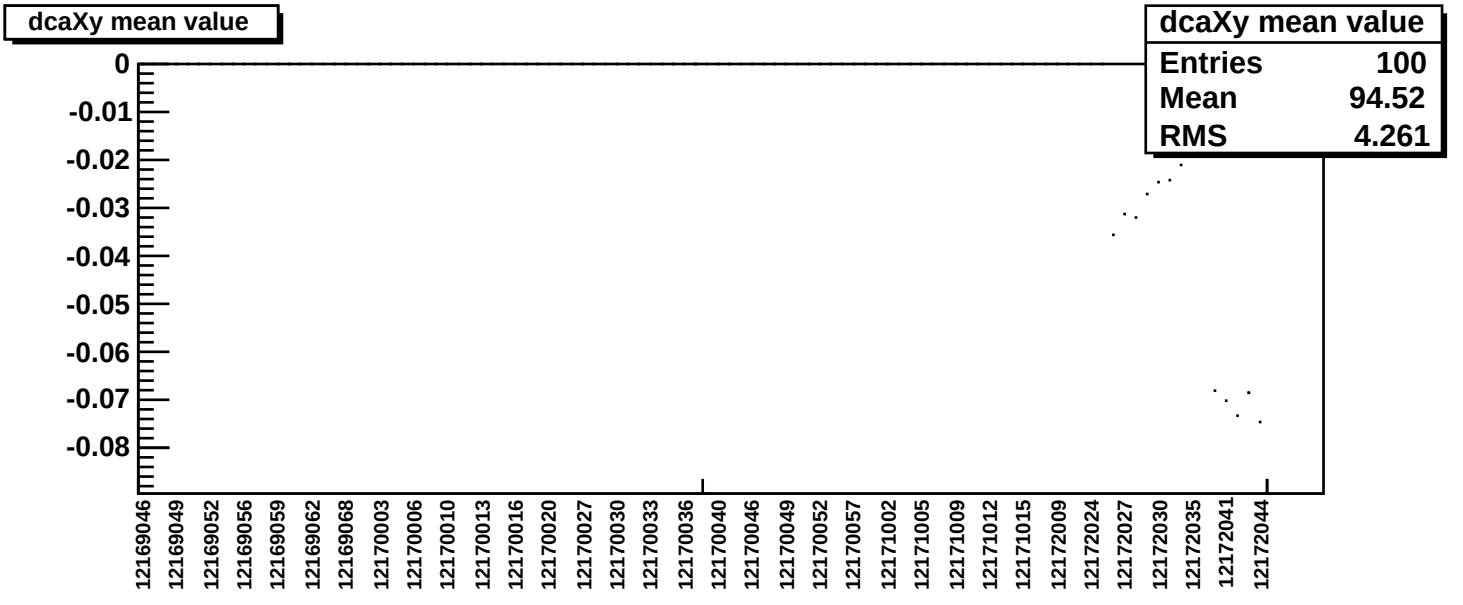

TofvsTrayID
TofvsTrayID
Entries 131219
Mean x 61.75
Mean y 9.584
RMS x 34.14
RMS y 1.763
tof
trayId


Vzvpd_Vz
Vzvpd_Vz
Entries 13054
Mean x 1.196
Mean y -0.07202
RMS x 32.34
RMS y 31.43
LmVertexZ
pvpd VertexZ


VzDiff
VzDiff
Entries 13054
Mean 1.267
RMS 3.652
180
160
140
120
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 92.96
RMS 4.201
0.4
0.3
0.2
0.1
0
-0.1
12169046 12169049 12169052 12169056 12169059 12169062 12169068 12170003 12170006 12170010 12170013 12170016 12170020 12170027 12170030 12170033 12170036 12170040 12170046 12170049 12170052 12170057 12171002 12171005 12171009 12171012 12171015 12172009 12172024 12172027 12172030 12172035 12172041 12172044


innerGain
×10^-9
innerGainSector
outerGainSector
gain parameters
Entries 100
Mean 43.59
RMS 25.28
50
40
30
20
10
0
12169046 12169049 12169052 12169056 12169059 12169062 12169068 12170003 12170006 12170010 12170013 12170016 12170020 12170027 12170030 12170033 12170036 12170040 12170046 12170049 12170052 12170057 12171002 12171005 12171009 12171012 12171015 12172009 12172024 12172027 12172030 12172035 12172041 12172044


dcaXy mean value
dcaXy mean value
Entries 100
Mean 94.52
RMS 4.261
0
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.07
-0.08
12169046 12169049 12169052 12169056 12169059 12169062 12169068 12170003 12170006 12170010 12170013 12170016 12170020 12170027 12170030 12170033 12170036 12170040 12170046 12170049 12170052 12170057 12171002 12171005 12171009 12171012 12171015 12172009 12172024 12172027 12172030 12172035 12172041 12172044