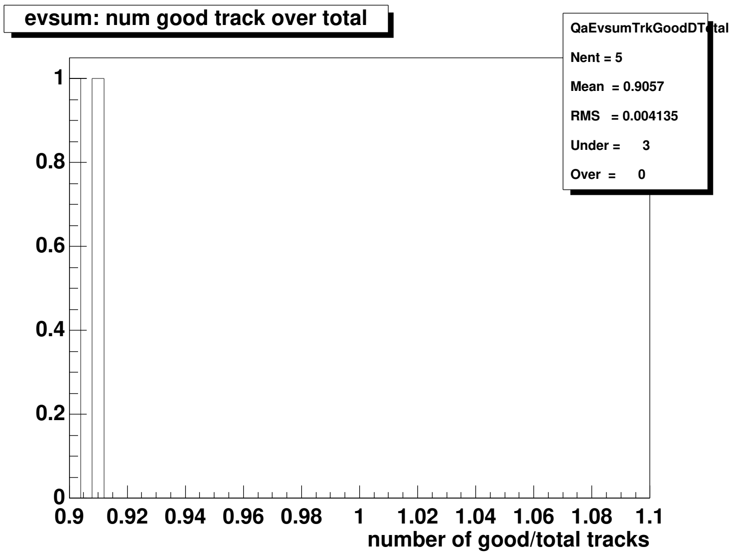
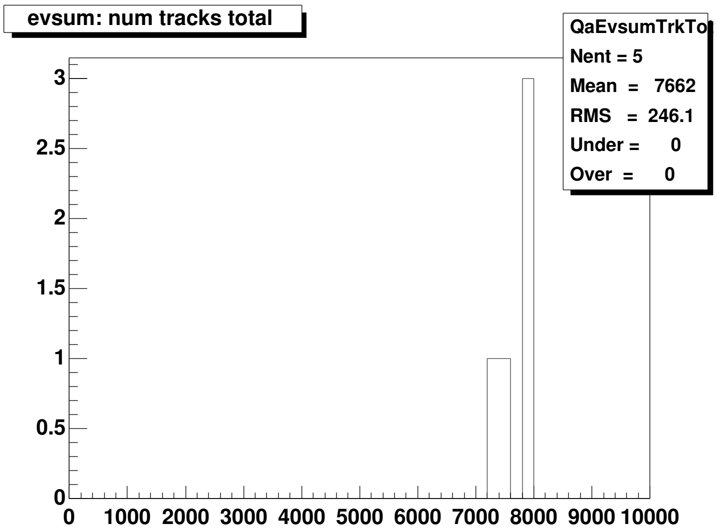
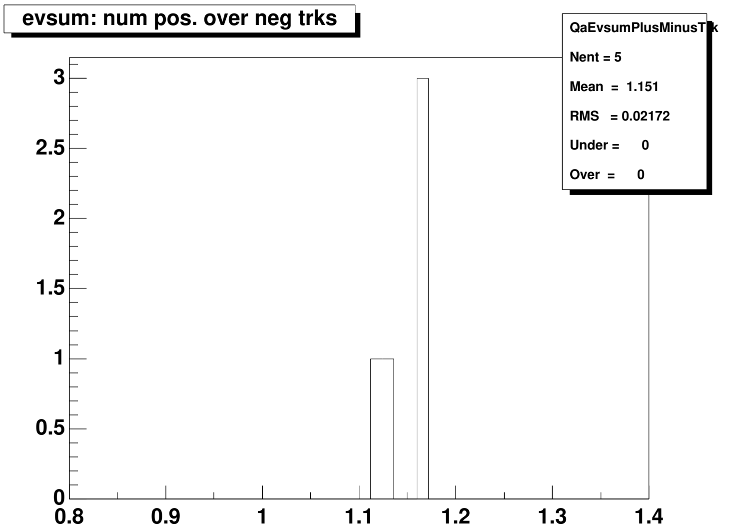
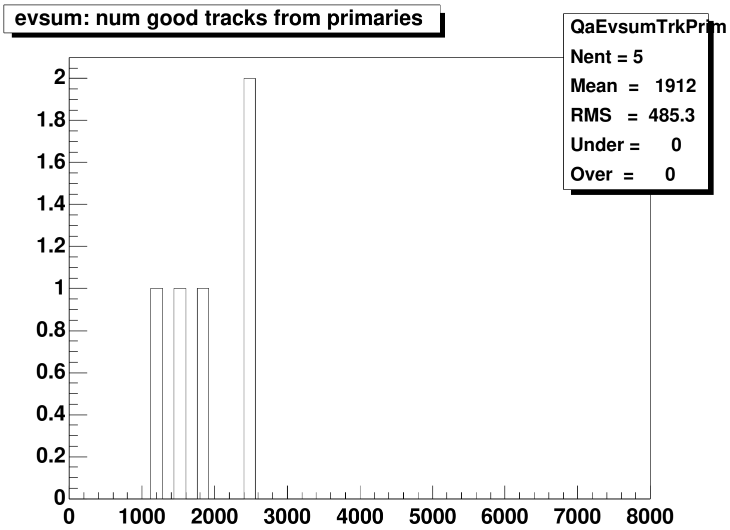
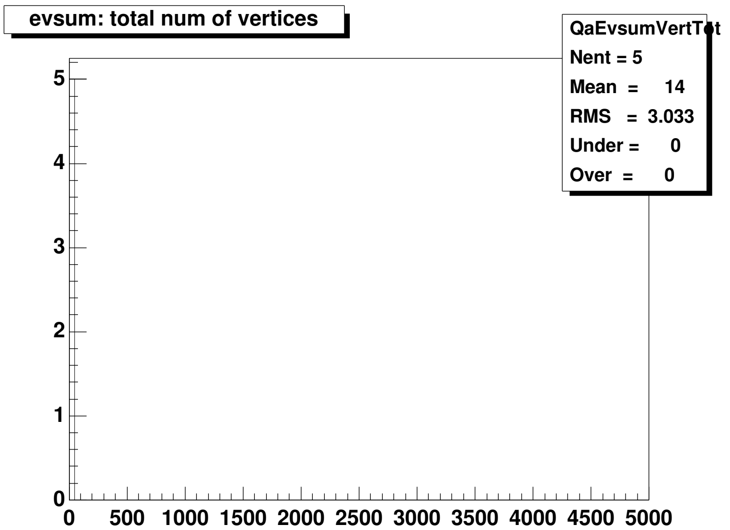
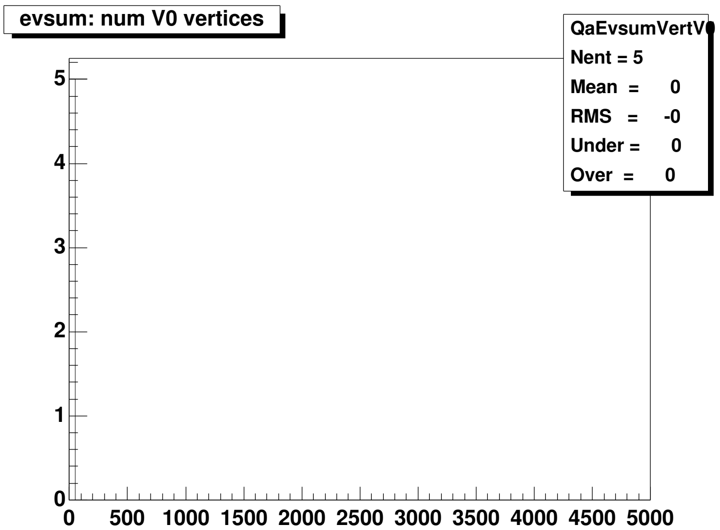

evsum: num good track over total
QaEvsumTrkGoodDTotal
Nent = 5
Mean = 0.9057
RMS = 0.004135
Under = 3
Over = 0
number of good/total tracks

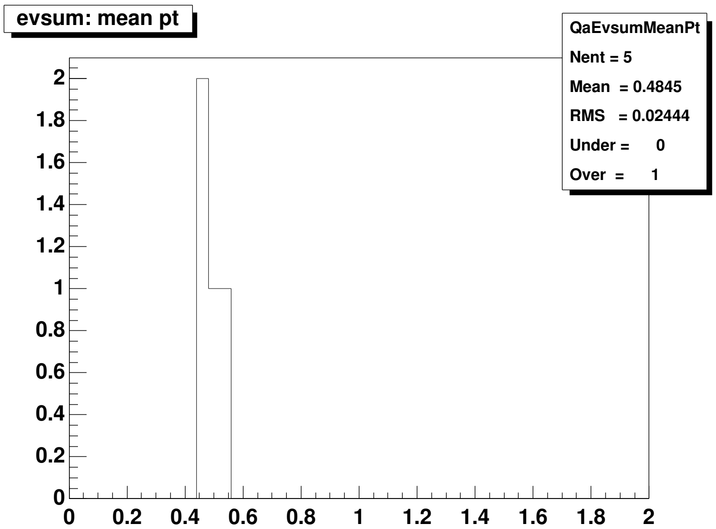

evsum: num tracks total
QaEvsumTrkTot
Nent = 5
Mean = 7662
RMS = 246.1
Under = 0
Over = 0

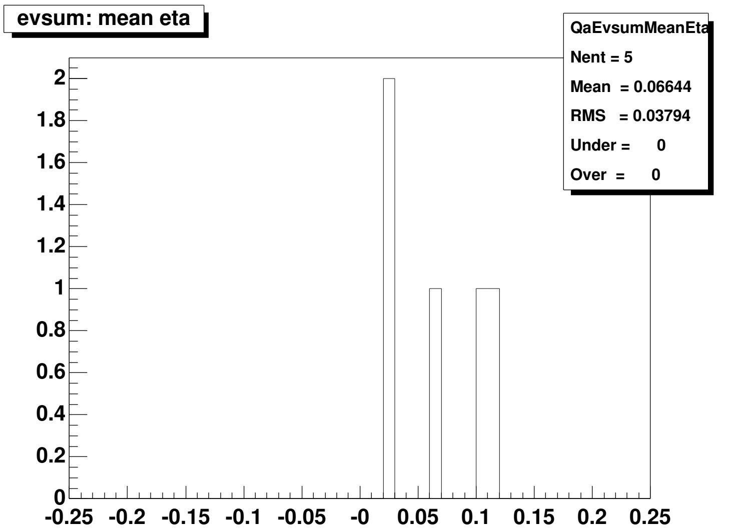

evsum: num pos. over neg trks
QaEvsumPlusMinusTrk
Nent = 5
Mean = 1.151
RMS = 0.02172
Under = 0
Over = 0

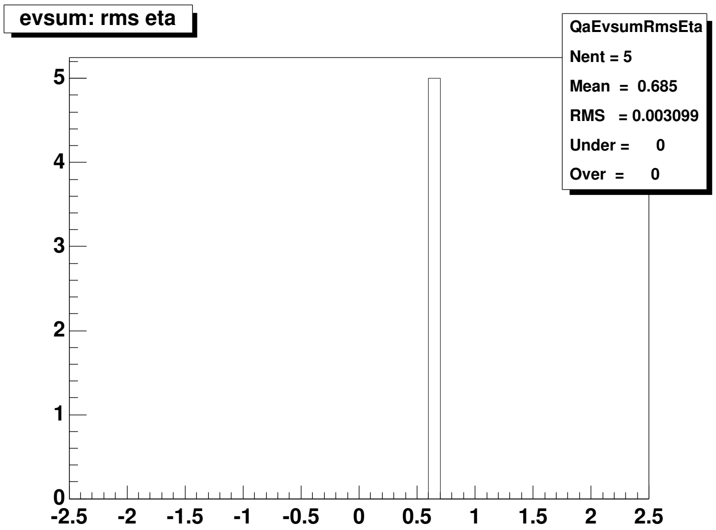

evsum: num good tracks from primaries
QaEvsumTrkPrim
Nent = 5
Mean = 1912
RMS = 485.3
Under = 0
Over = 0

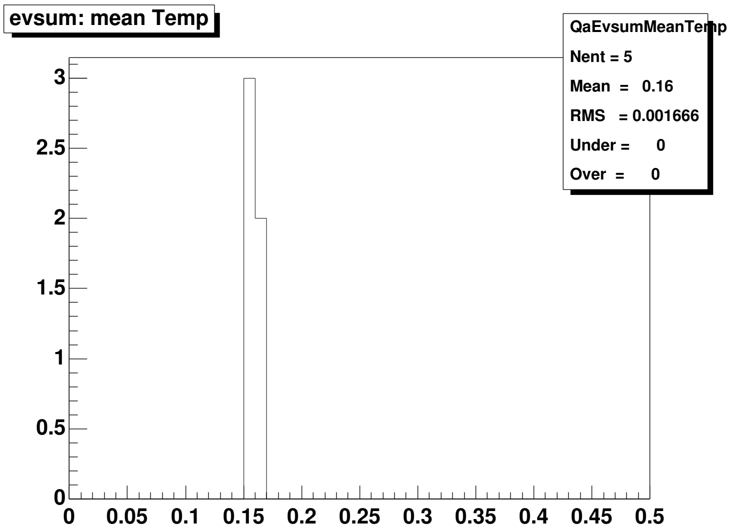

evsum: total num of vertices
QaEvsumVertTot
Nent = 5
Mean = 14
RMS = 3.033
Under = 0
Over = 0

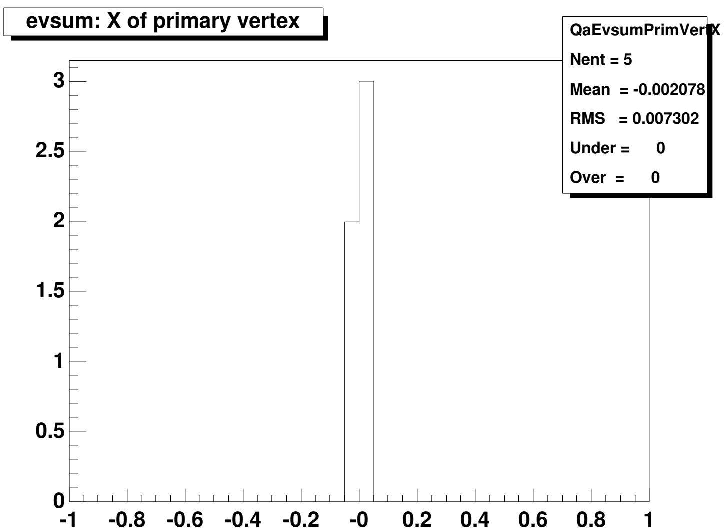

evsum: num V0 vertices
QaEvsumVertV0
Nent = 5
Mean = 0
RMS = -0
Under = 0
Over = 0

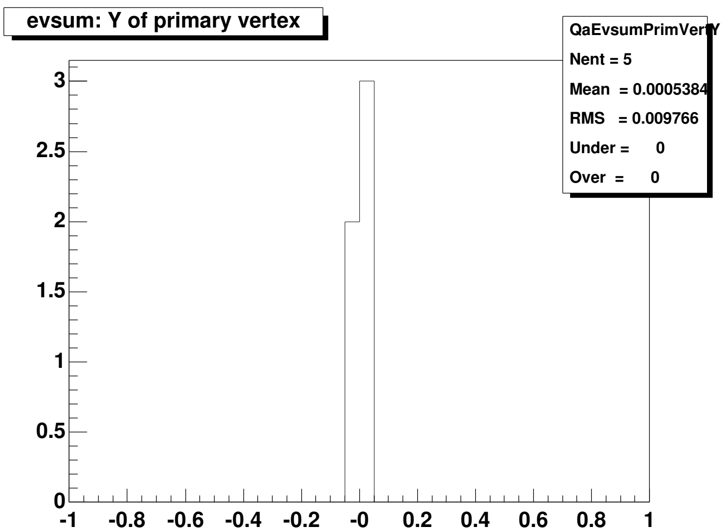

evsum: mean pt
QaEvsumMeanPt
Nent = 5
Mean = 0.4845
RMS = 0.02444
Under = 0
Over = 1

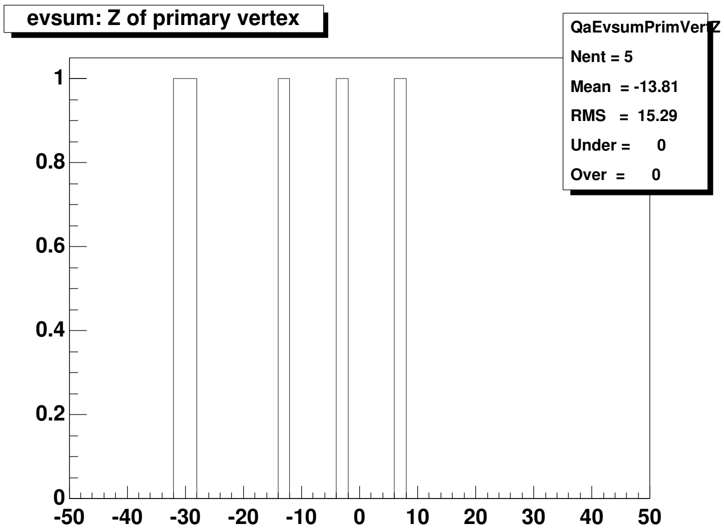

evsum: mean eta
QaEvsumMeanEta
Nent = 5
Mean = 0.06644
RMS = 0.03794
Under = 0
Over = 0

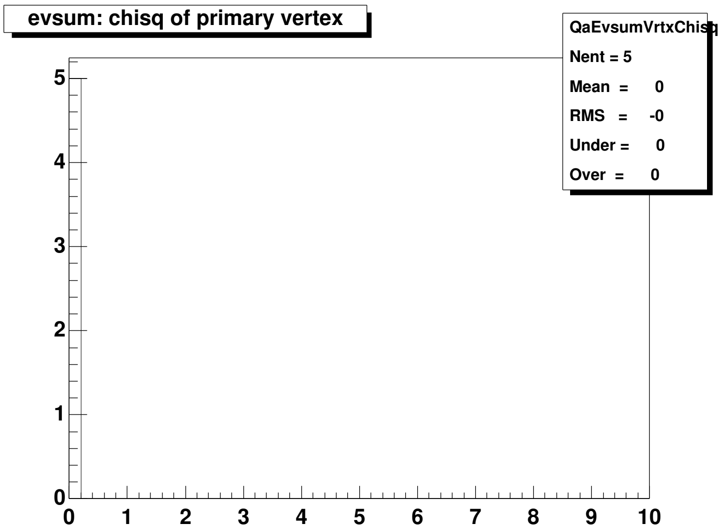

evsum: rms eta
QaEvsumRmsEta
Nent = 5
Mean = 0.685
RMS = 0.003099
Under = 0
Over = 0

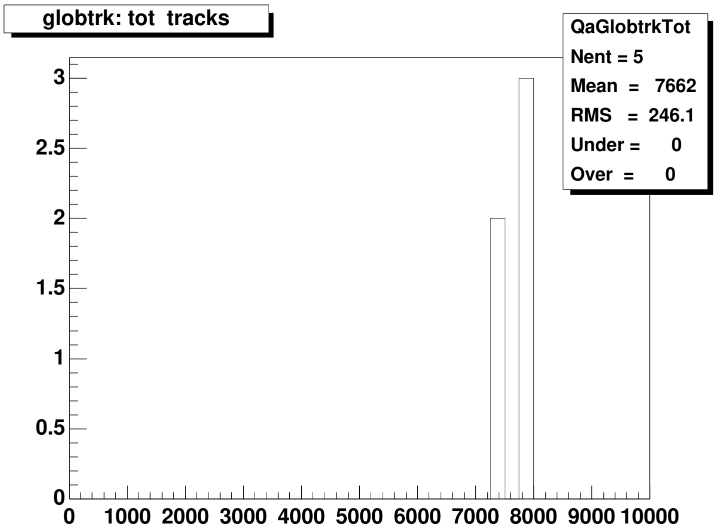

evsum: mean Temp
QaEvsumMeanTemp
Nent = 5
Mean = 0.16
RMS = 0.001666
Under = 0
Over = 0

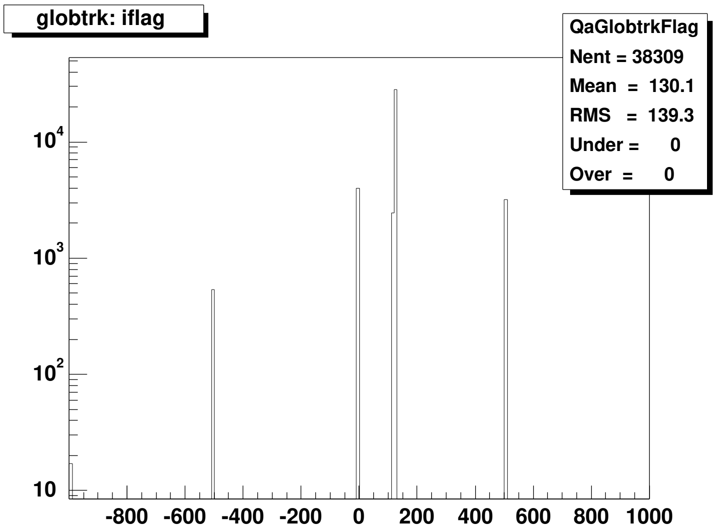

evsum: X of primary vertex
QaEvsumPrimVertX
Nent = 5
Mean = -0.002078
RMS = 0.007302
Under = 0
Over = 0

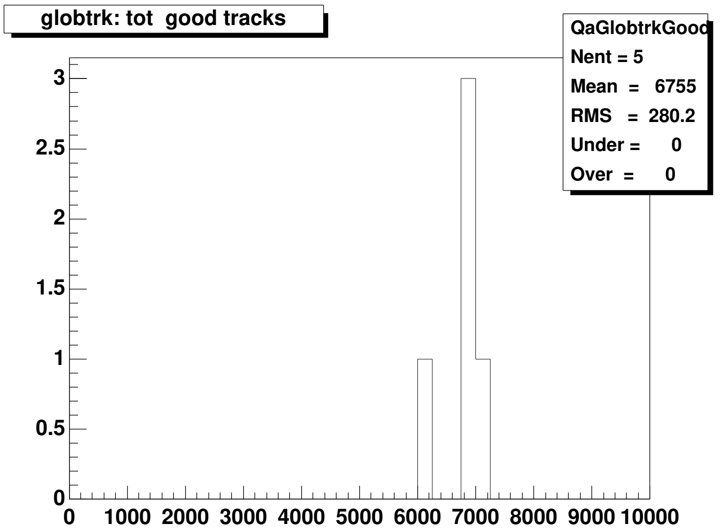

evsum: Y of primary vertex
QaEvsumPrimVertY
Nent = 5
Mean = 0.0005384
RMS = 0.009766
Under = 0
Over = 0

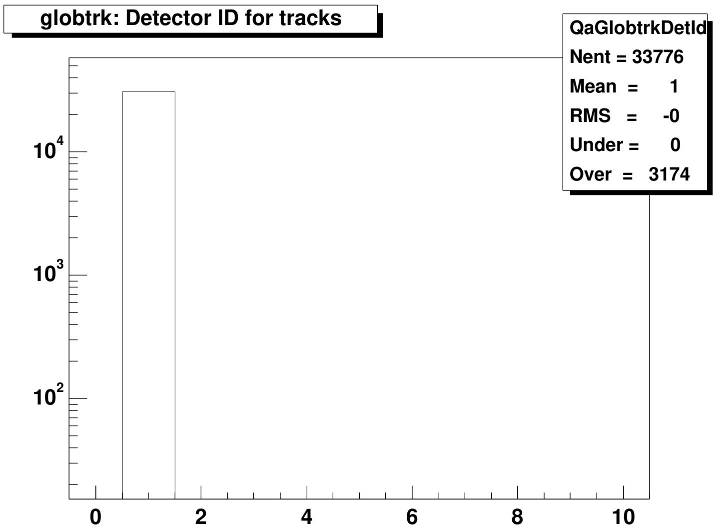

evsum: Z of primary vertex
QaEvsumPrimVertZ
Nent = 5
Mean = -13.81
RMS = 15.29
Under = 0
Over = 0

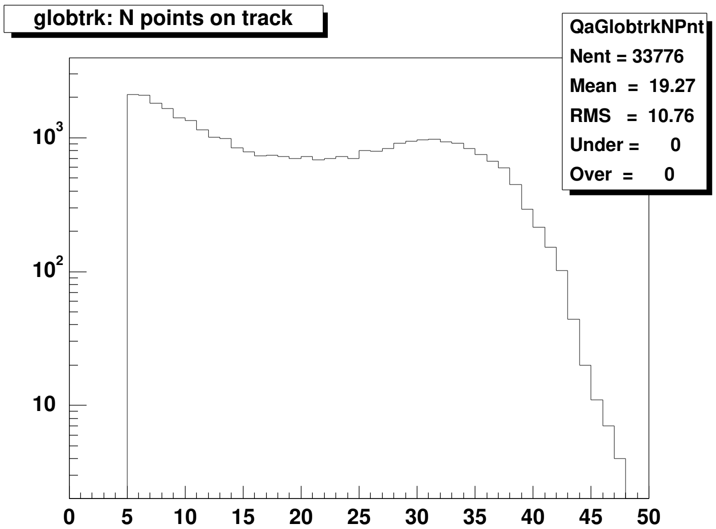

evsum: chisq of primary vertex
QaEvsumVrtxChisq
Nent = 5
Mean = 0
RMS = -0
Under = 0
Over = 0

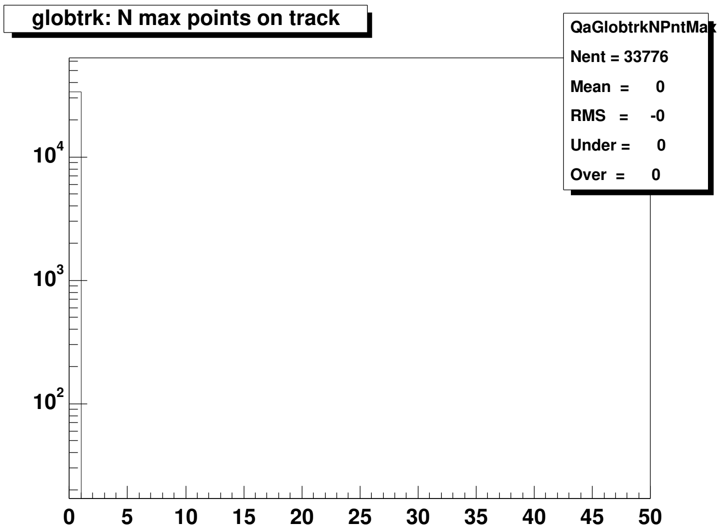

globtrk: tot tracks
QaGlobtrkTot
Nent = 5
Mean = 7662
RMS = 246.1
Under = 0
Over = 0

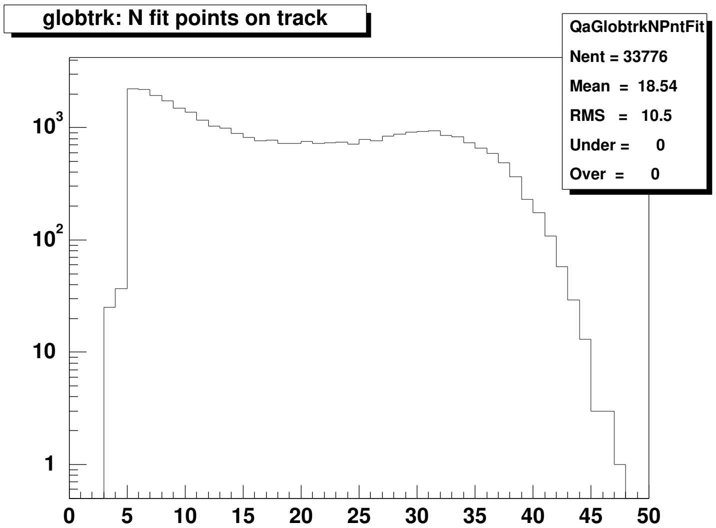

globtrk: iflag
QaGlobtrkFlag
Nent = 38309
Mean = 130.1
RMS = 139.3
Under = 0
Over = 0

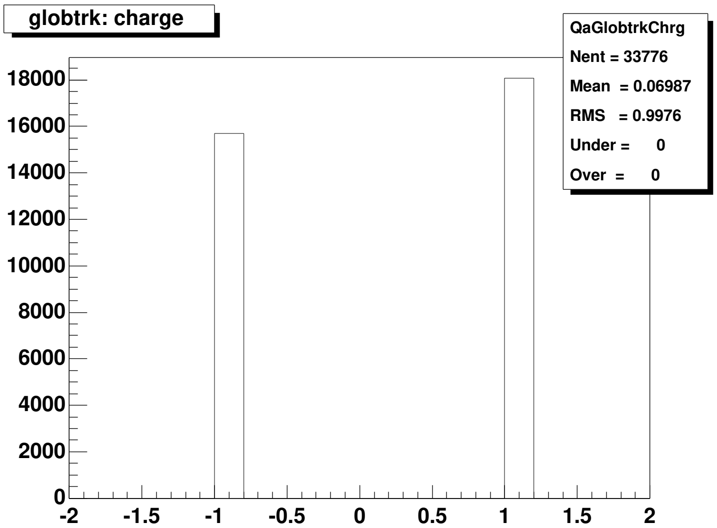

globtrk: tot good tracks
QaGlobtrkGood
Nent = 5
Mean = 6755
RMS = 280.2
Under = 0
Over = 0

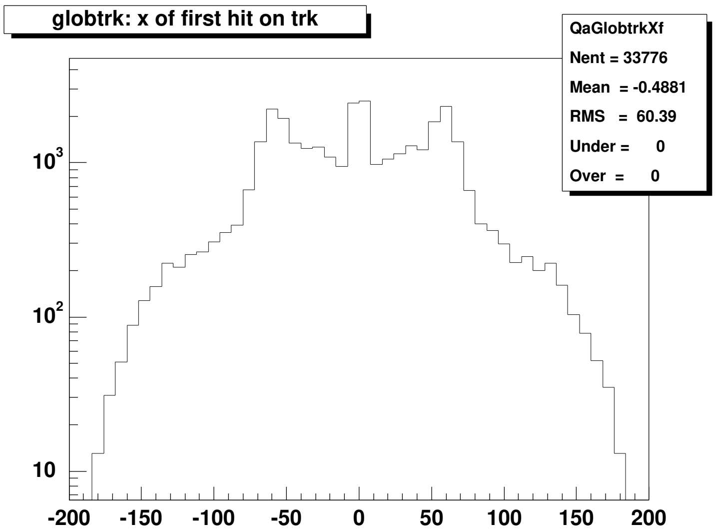

globtrk: Detector ID for tracks
QaGlobtrkDetId
Nent = 33776
Mean = 1
RMS = -0
Under = 0
Over = 3174

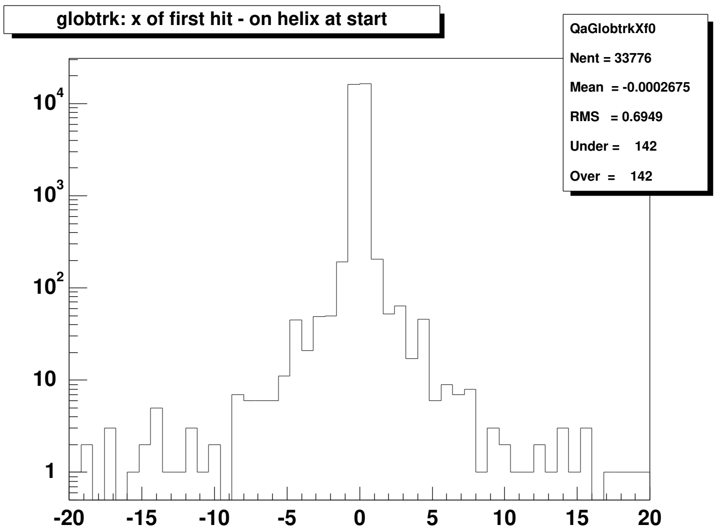

globtrk: N points on track
QaGlobtrkNPnt
Nent = 33776
Mean = 19.27
RMS = 10.76
Under = 0
Over = 0

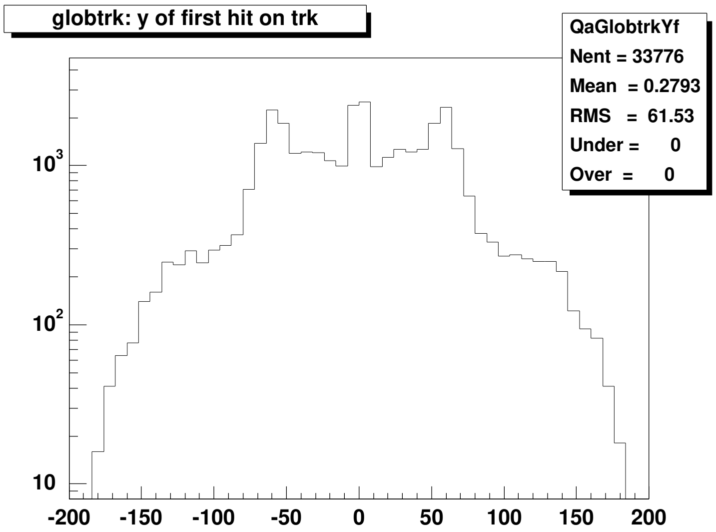

globtrk: N max points on track
QaGlobtrkNPntMax
Nent = 33776
Mean = 0
RMS = -0
Under = 0
Over = 0

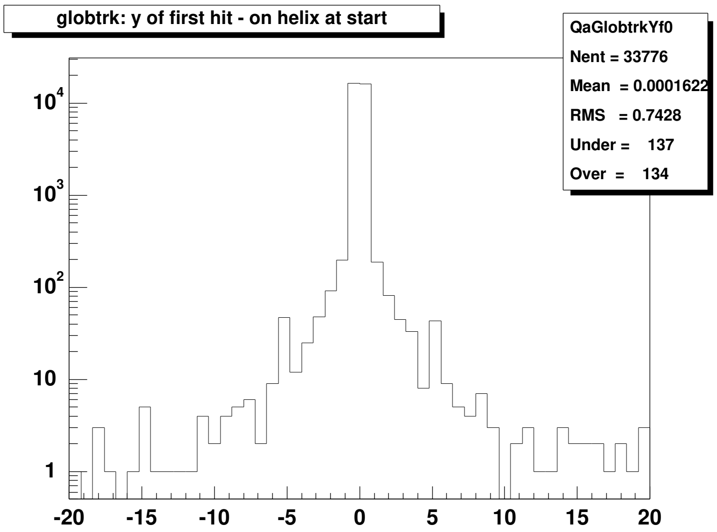

globtrk: N fit points on track
QaGlobtrkNPntFit
Nent = 33776
Mean = 18.54
RMS = 10.5
Under = 0
Over = 0

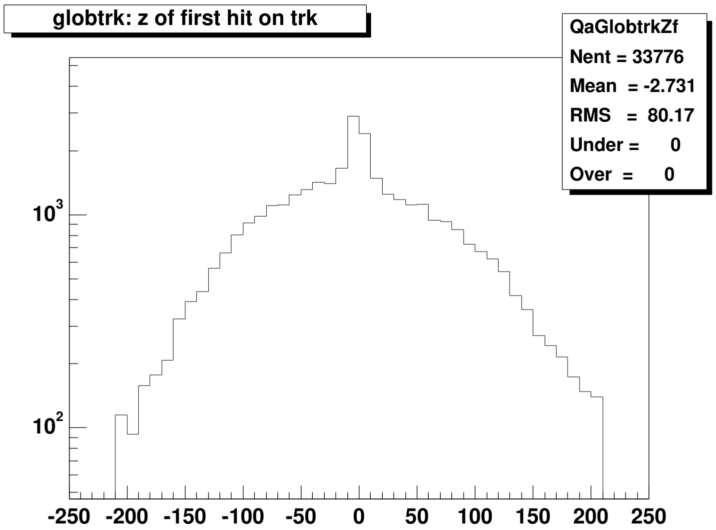

globtrk: charge
QaGlobtrkChrg
Nent = 33776
Mean = 0.06987
RMS = 0.9976
Under = 0
Over = 0

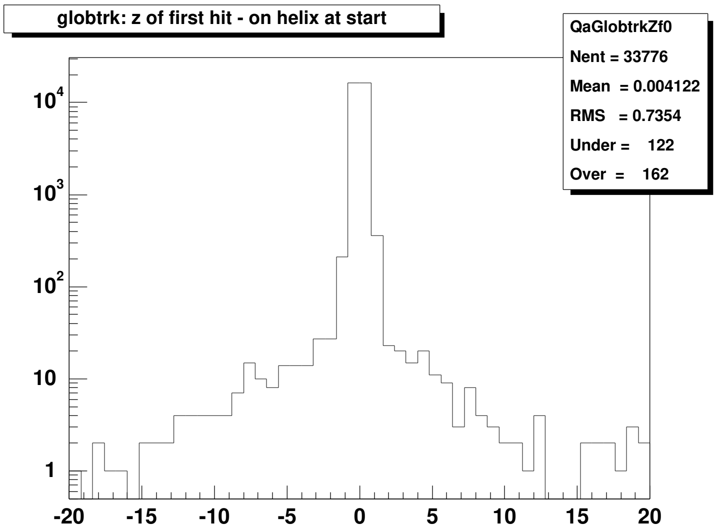

globtrk: x of first hit on trk
QaGlobtrkXf
Nent = 33776
Mean = -0.4881
RMS = 60.39
Under = 0
Over = 0

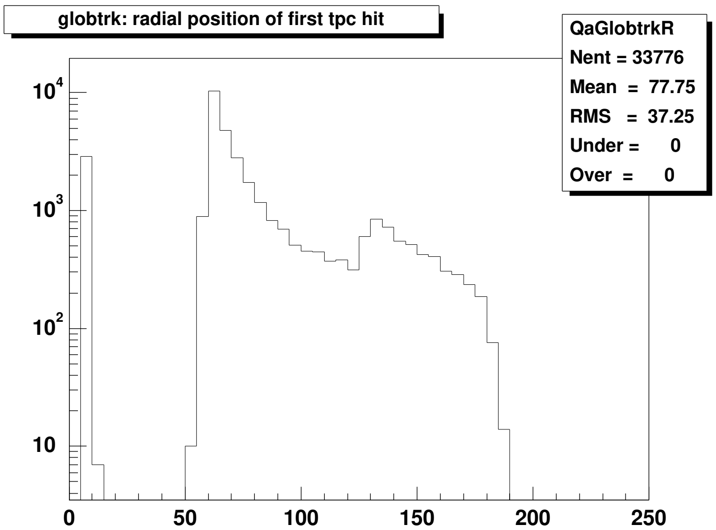

globtrk: x of first hit - on helix at start
QaGlobtrkXf0
Nent = 33776
Mean = -0.0002675
RMS = 0.6949
Under = 142
Over = 142

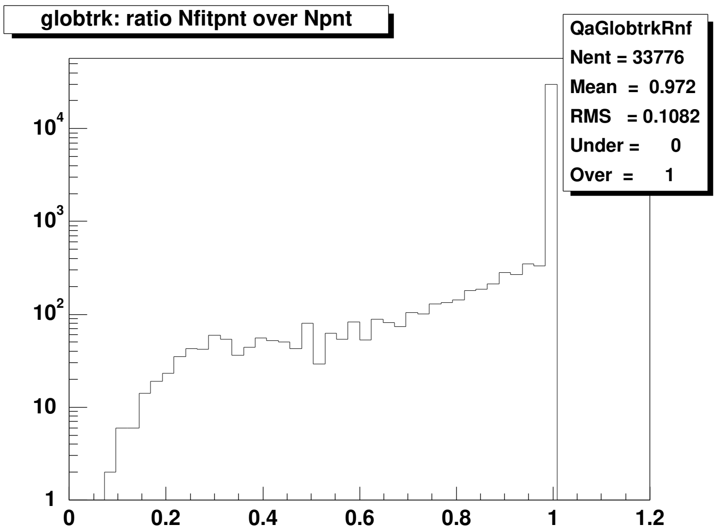

globtrk: y of first hit on trk
QaGlobtrkYf
Nent = 33776
Mean = 0.2793
RMS = 61.53
Under = 0
Over = 0

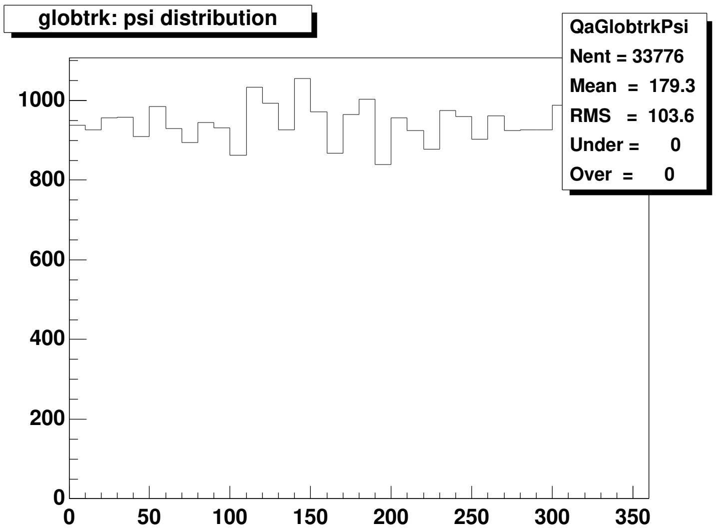

globtrk: y of first hit - on helix at start
QaGlobtrkYf0
Nent = 33776
Mean = 0.0001622
RMS = 0.7428
Under = 137
Over = 134

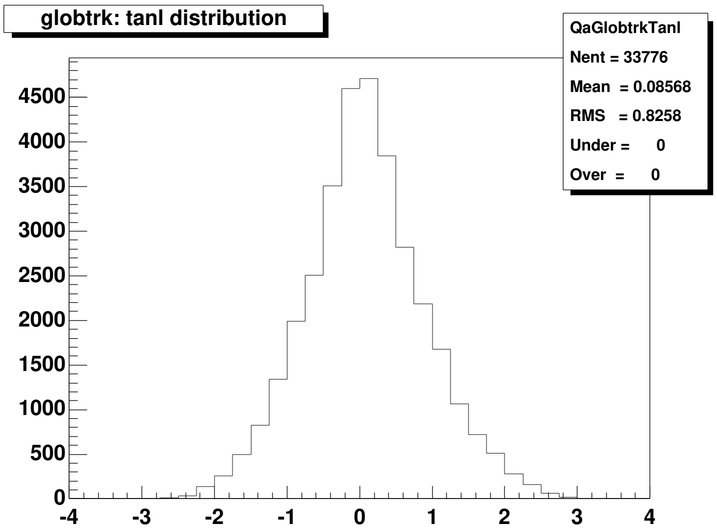

globtrk: z of first hit on trk
QaGlobtrkZf
Nent = 33776
Mean = -2.731
RMS = 80.17
Under = 0
Over = 0

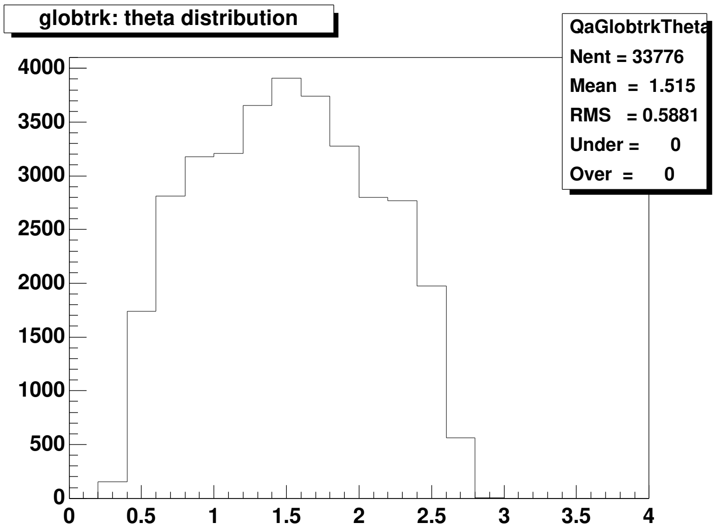

globtrk: z of first hit - on helix at start
QaGlobtrkZf0
Nent = 33776
Mean = 0.004122
RMS = 0.7354
Under = 122
Over = 162

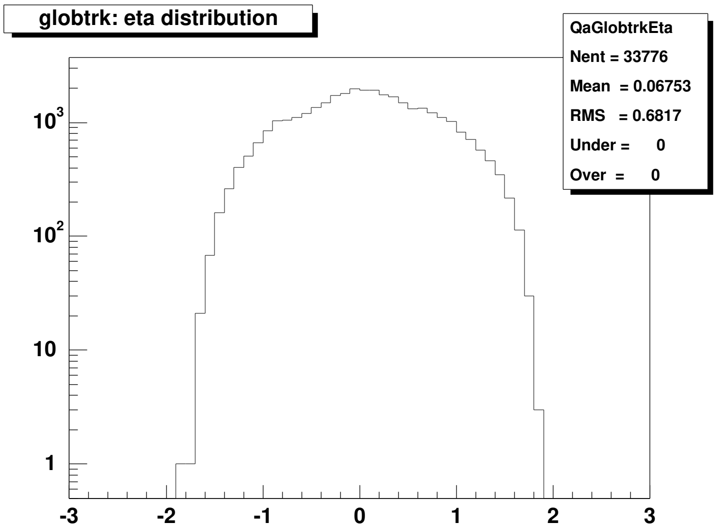

globtrk: radial position of first tpc hit
QaGlobtrkR
Nent = 33776
Mean = 77.75
RMS = 37.25
Under = 0
Over = 0

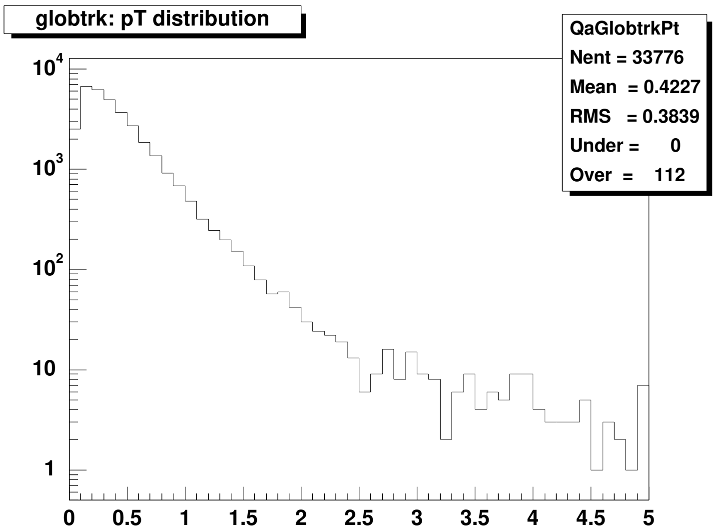

globtrk: ratio Nfitpnt over Npnt
QaGlobtrkRnf
Nent = 33776
Mean = 0.972
RMS = 0.1082
Under = 0
Over = 1

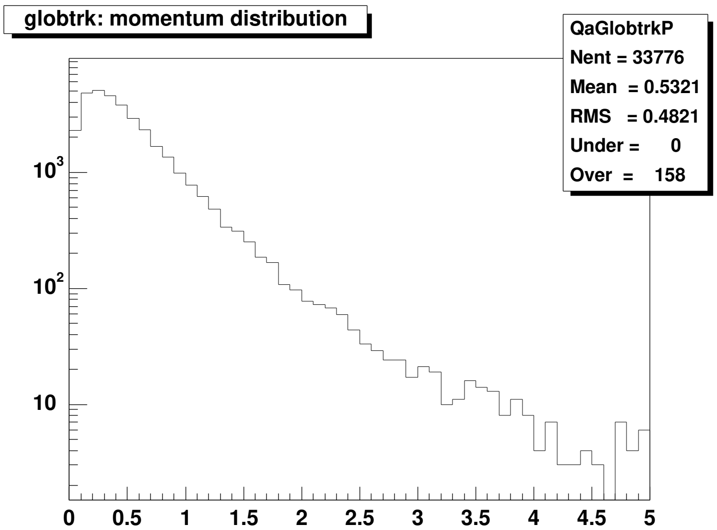

globtrk: psi distribution
QaGlobtrkPsi
Nent = 33776
Mean = 179.3
RMS = 103.6
Under = 0
Over = 0

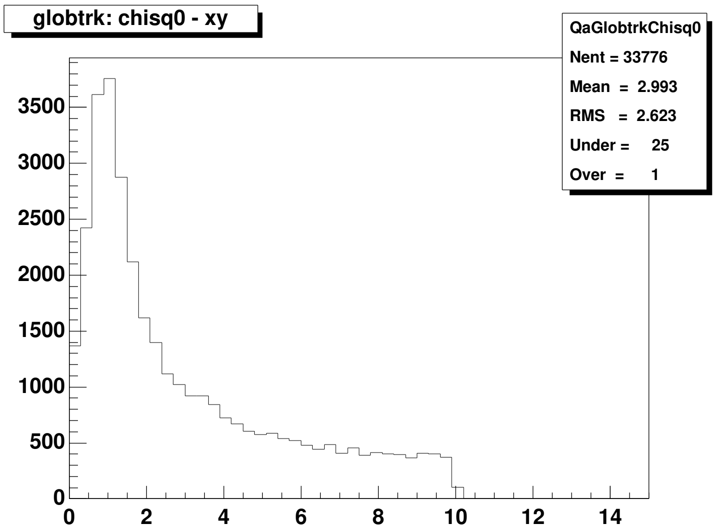

globtrk: tanl distribution
QaGlobtrkTanl
Nent = 33776
Mean = 0.08568
RMS = 0.8258
Under = 0
Over = 0

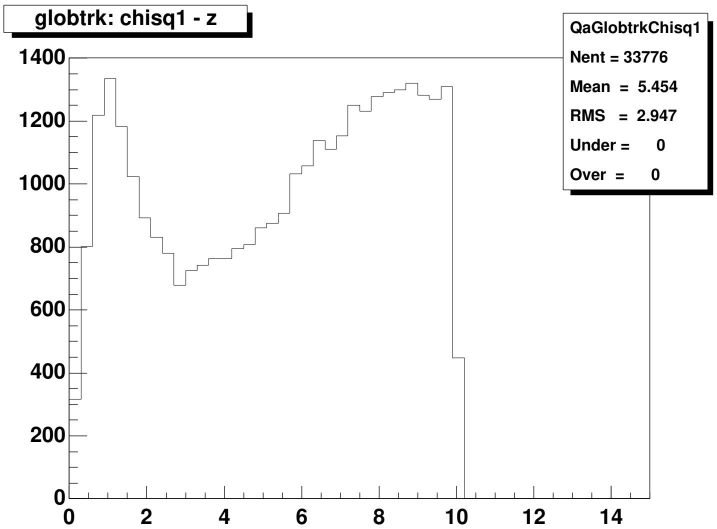

globtrk: theta distribution
QaGlobtrkTheta
Nent = 33776
Mean = 1.515
RMS = 0.5881
Under = 0
Over = 0

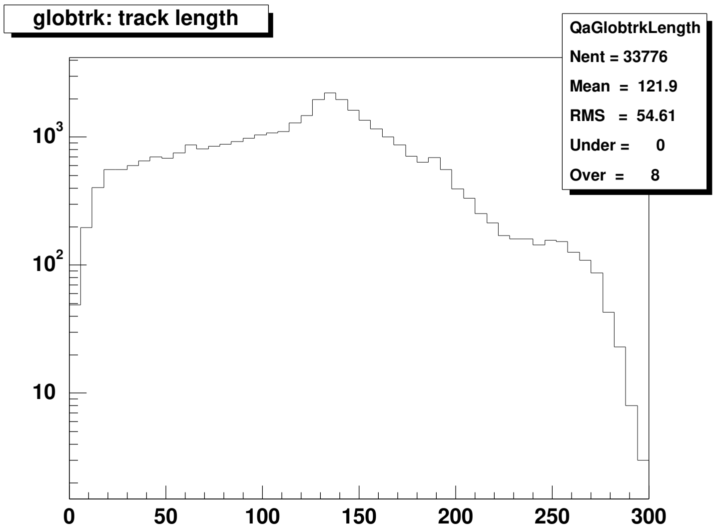

globtrk: eta distribution
QaGlobtrkEta
Nent = 33776
Mean = 0.06753
RMS = 0.6817
Under = 0
Over = 0

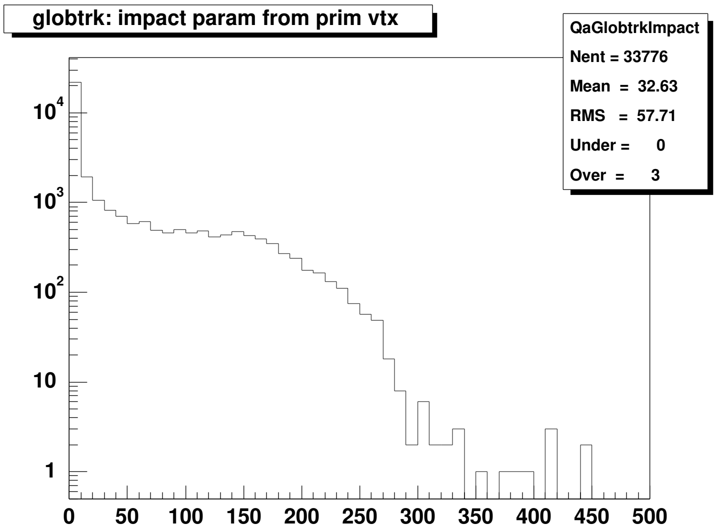

globtrk: pT distribution
QaGlobtrkPt
Nent = 33776
Mean = 0.4227
RMS = 0.3839
Under = 0
Over = 112

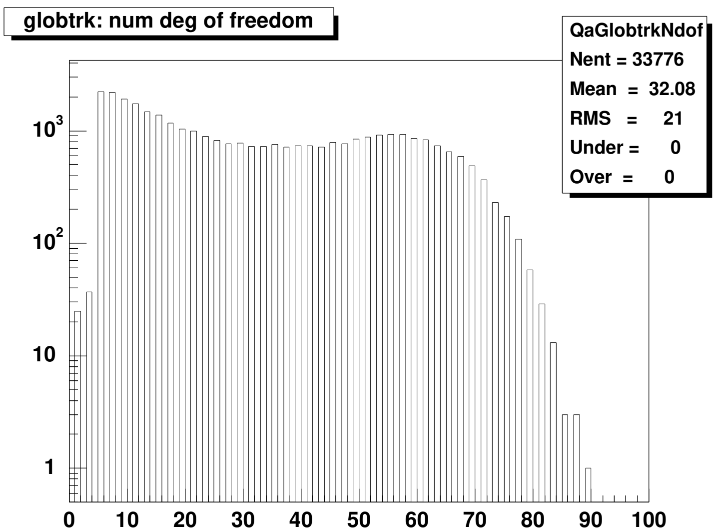

globtrk: momentum distribution
QaGlobtrkP
Nent = 33776
Mean = 0.5321
RMS = 0.4821
Under = 0
Over = 158

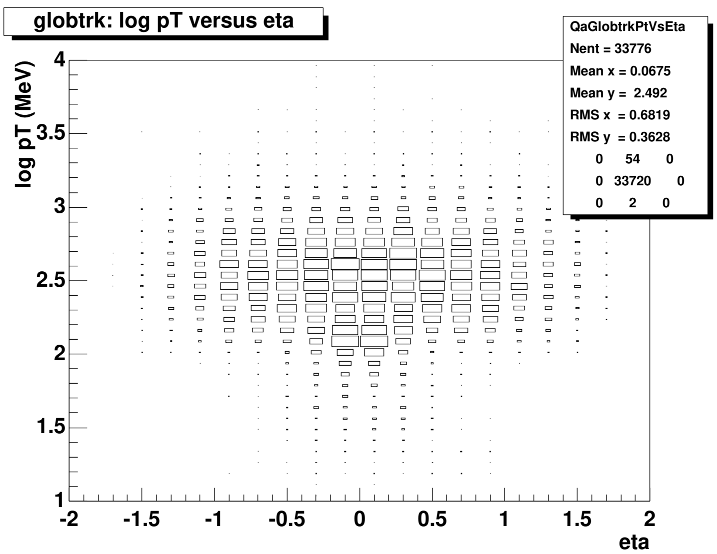

globtrk: chisq0 - xy
QaGlobtrkChisq0
Nent = 33776
Mean = 2.993
RMS = 2.623
Under = 25
Over = 1

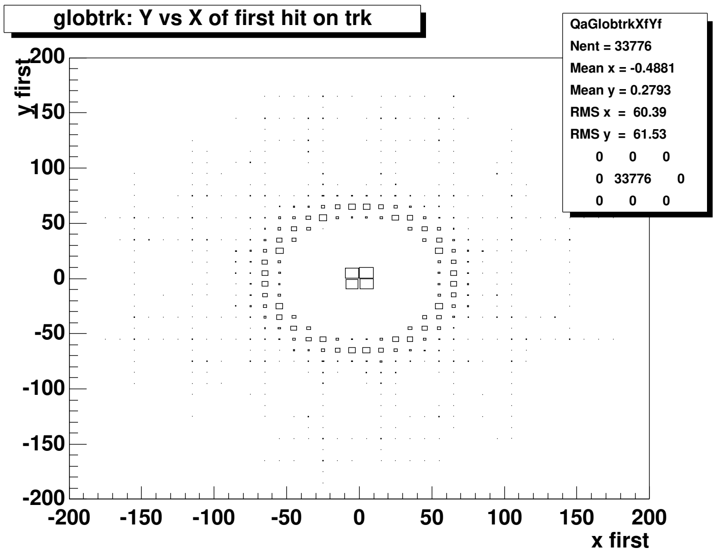

globtrk: chisq1 - z
QaGlobtrkChisq1
Nent = 33776
Mean = 5.454
RMS = 2.947
Under = 0
Over = 0

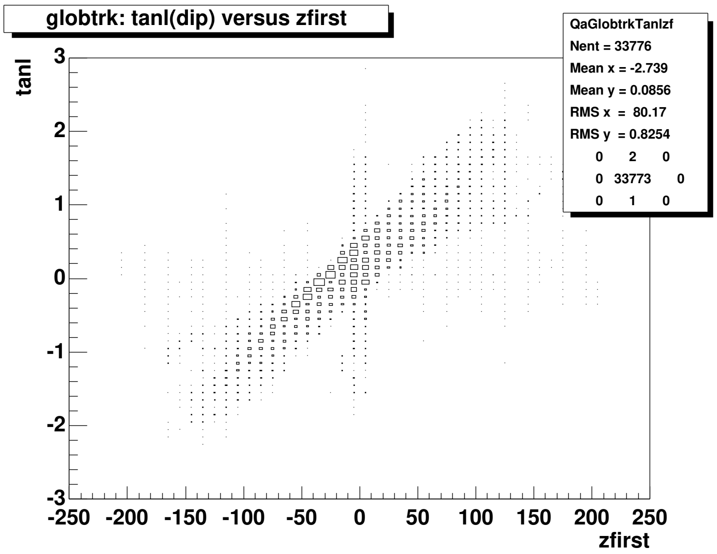

globtrk: track length
QaGlobtrkLength
Nent = 33776
Mean = 121.9
RMS = 54.61
Under = 0
Over = 8

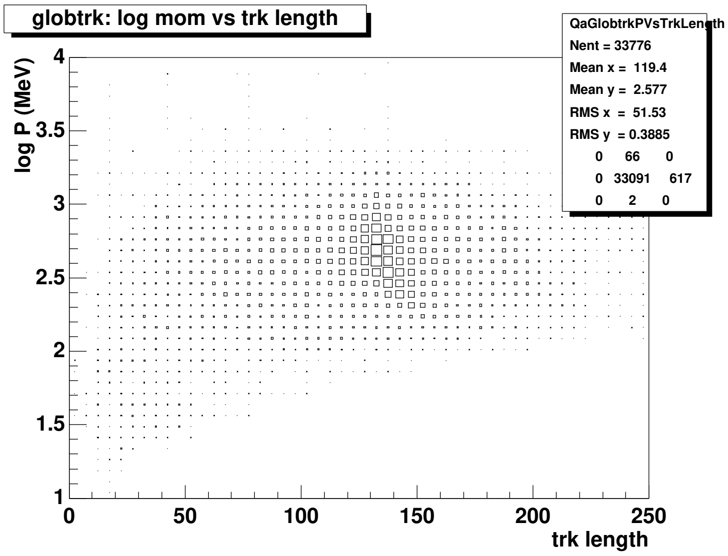

globtrk: impact param from prim vtx
QaGlobtrkImpact
Nent = 33776
Mean = 32.63
RMS = 57.71
Under = 0
Over = 3

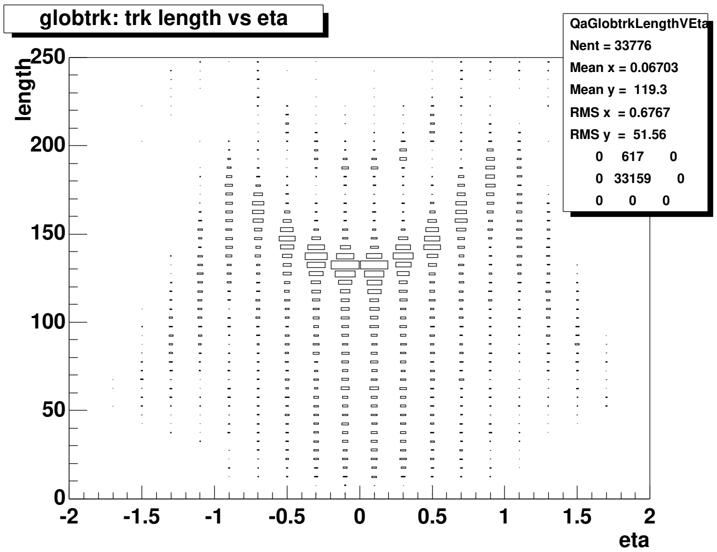

globtrk: num deg of freedom
QaGlobtrkNdof
Nent = 33776
Mean = 32.08
RMS = 21
Under = 0
Over = 0

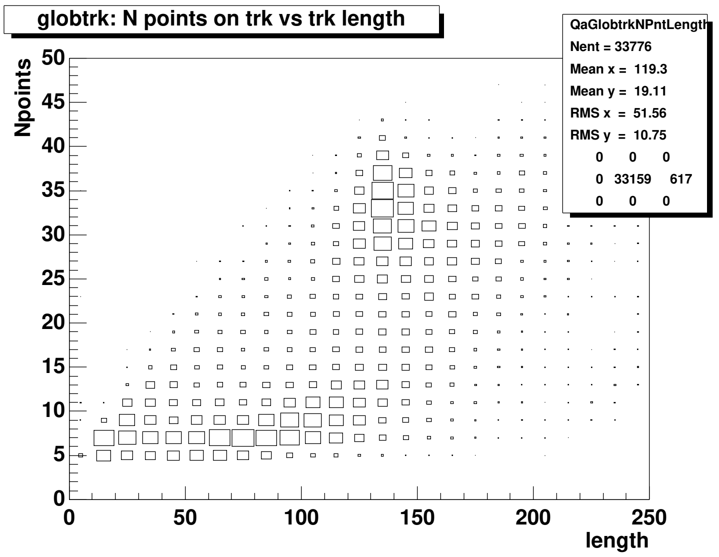

globtrk: log pT versus eta
QaGlobtrkPtVsEta
Nent = 33776
Mean x = 0.0675
Mean y = 2.492
RMS x = 0.6819
RMS y = 0.3628
0 54 0
0 33720 0
0 2 0
log pT (MeV)
eta

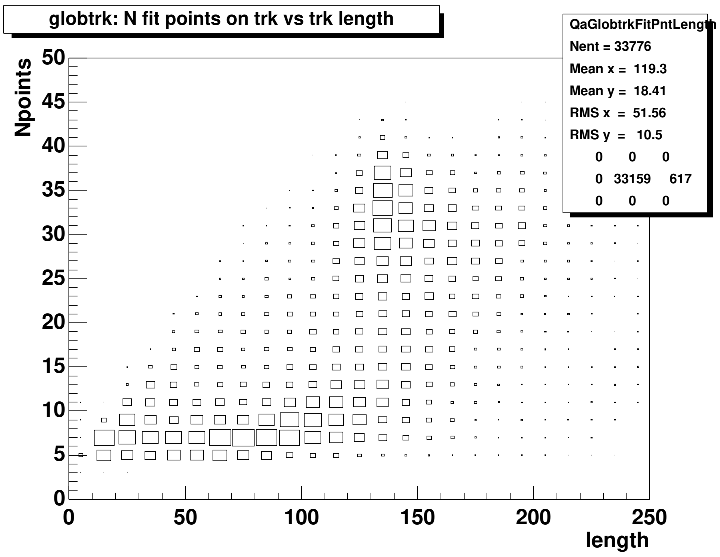

globtrk: Y vs X of first hit on trk
QaGlobtrkXfYf
Nent = 33776
Mean x = -0.4881
Mean y = 0.2793
RMS x = 60.39
RMS y = 61.53
0 0 0
0 33776 0
0 0 0
y first
x first

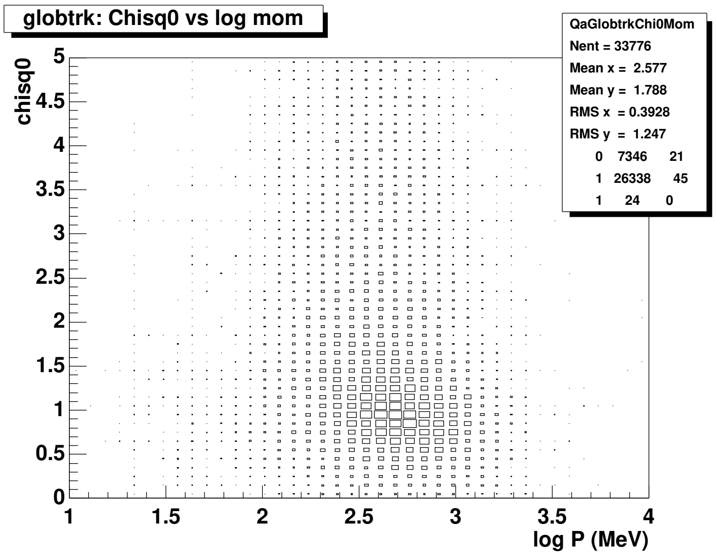

globtrk: tanl(dip) versus zfirst
QaGlobtrkTanlzf
Nent = 33776
Mean x = -2.739
Mean y = 0.0856
RMS x = 80.17
RMS y = 0.8254
0 2 0
0 33773 0
0 1 0
tanl
zfirst

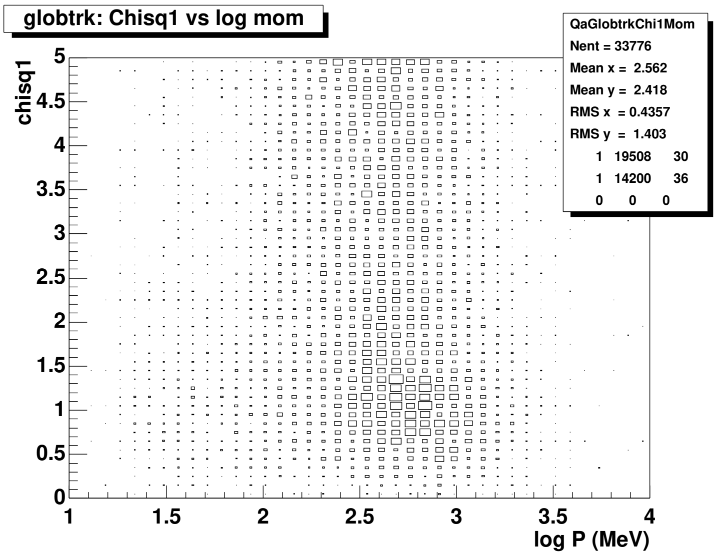

globtrk: log mom vs trk length
QaGlobtrkPVsTrkLength
Nent = 33776
Mean x = 119.4
Mean y = 2.577
RMS x = 51.53
RMS y = 0.3885
0 66 0
0 33091 617
0 2 0
log P (MeV)
trk length

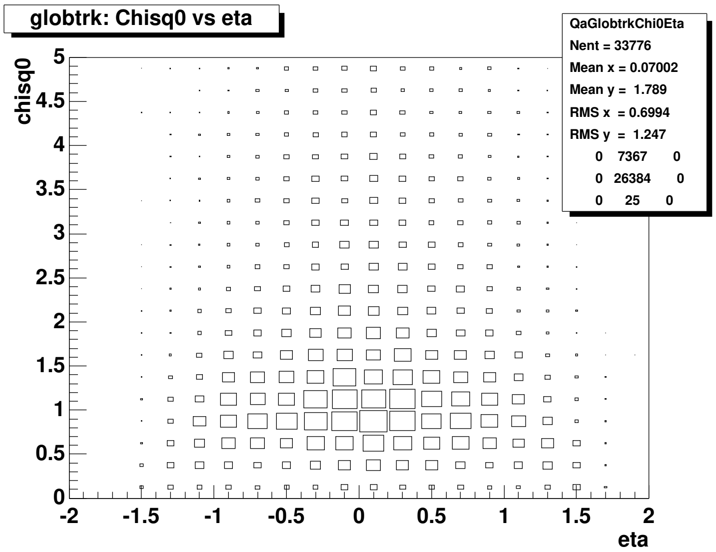

globtrk: trk length vs eta
QaGlobtrkLengthVEta
Nent = 33776
Mean x = 0.06703
Mean y = 119.3
RMS x = 0.6767
RMS y = 51.56
0 617 0
0 33159 0
0 0 0
length
eta

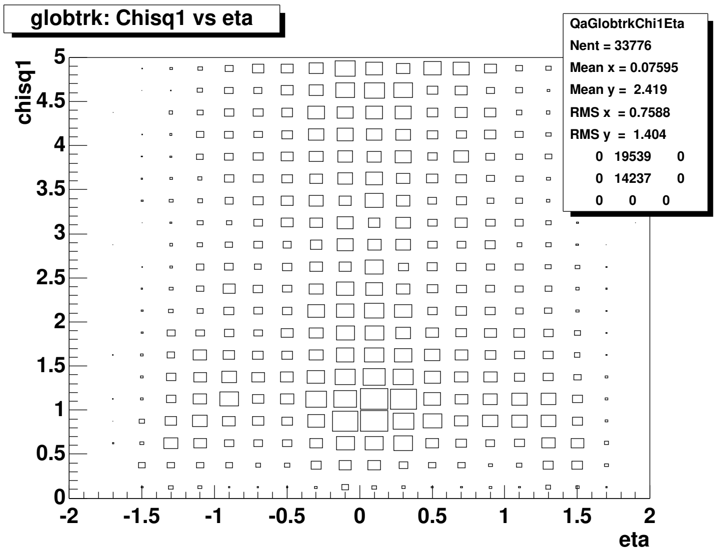

globtrk: N points on trk vs trk length
QaGlobtrkNPntLength
Nent = 33776
Mean x = 119.3
Mean y = 19.11
RMS x = 51.56
RMS y = 10.75
0 0 0
0 33159 617
0 0 0
Npoints
length

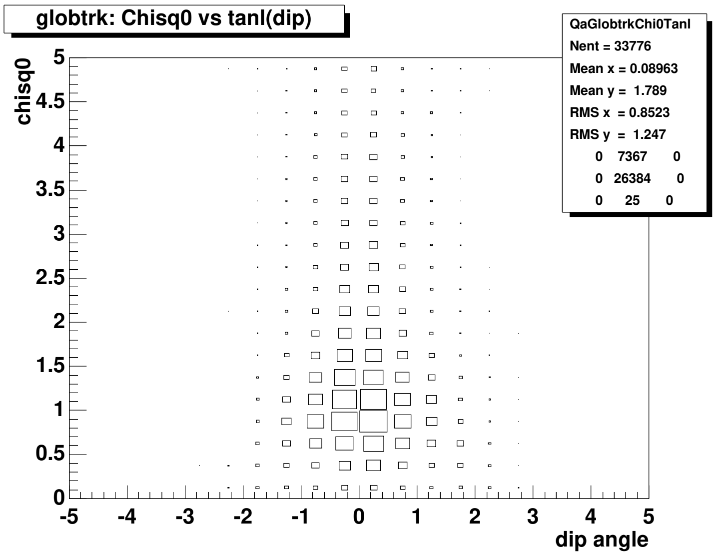

globtrk: N fit points on trk vs trk length
QaGlobtrkFitPntLength
Nent = 33776
Mean x = 119.3
Mean y = 18.41
RMS x = 51.56
RMS y = 10.5
0 0 0
0 33159 617
0 0 0
Npoints
length

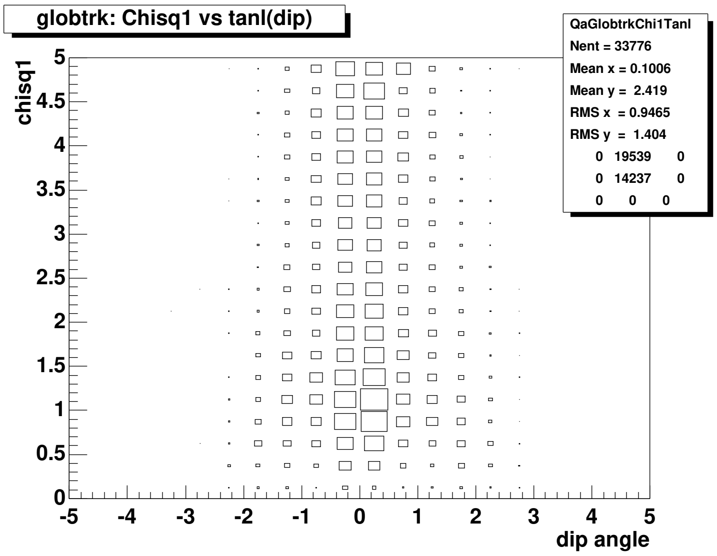

globtrk: Chisq0 vs log mom
QaGlobtrkChi0Mom
Nent = 33776
Mean x = 2.577
Mean y = 1.788
RMS x = 0.3928
RMS y = 1.247
0 7346 21
1 26338 45
1 24 0
chisq0
log P (MeV)

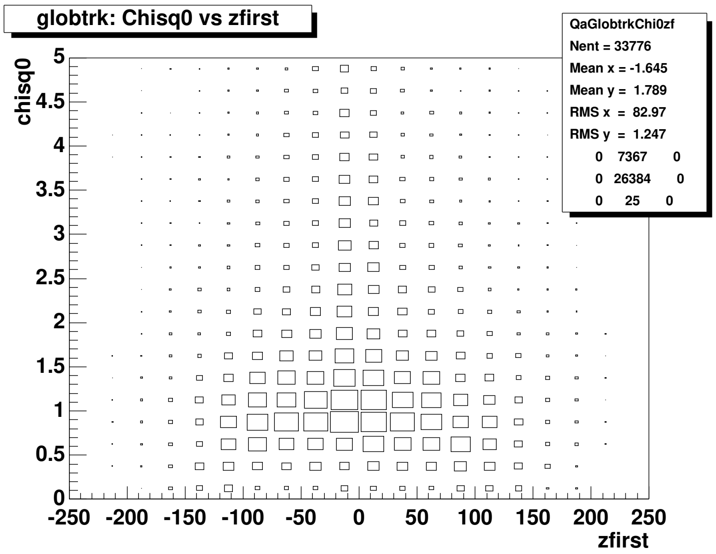

globtrk: Chisq1 vs log mom
QaGlobtrkChi1Mom
Nent = 33776
Mean x = 2.562
Mean y = 2.418
RMS x = 0.4357
RMS y = 1.403
1 19508 30
1 14200 36
0 0 0
chisq1
log P (MeV)

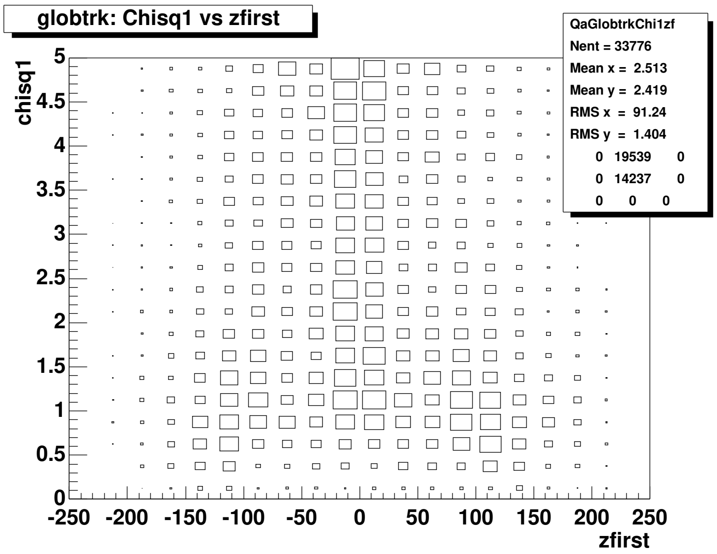

globtrk: Chisq0 vs eta
QaGlobtrkChi0Eta
Nent = 33776
Mean x = 0.07002
Mean y = 1.789
RMS x = 0.6994
RMS y = 1.247
0 7367 0
0 26384 0
0 25 0
chisq0
eta

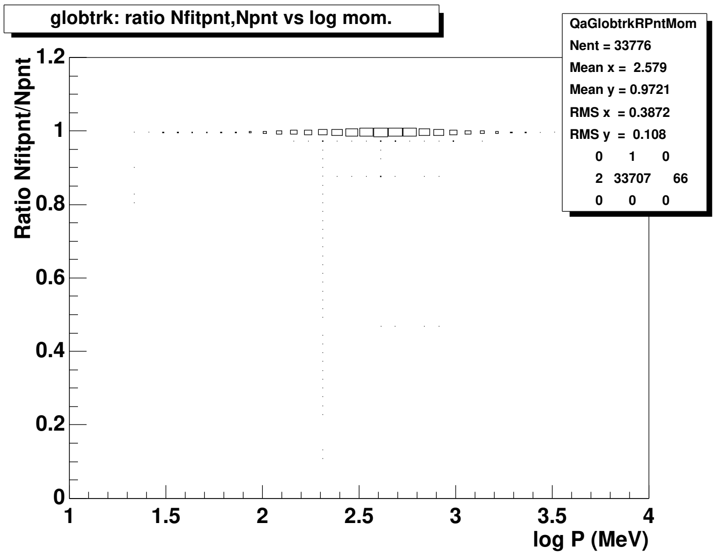

globtrk: Chisq1 vs eta
QaGlobtrkChi1Eta
Nent = 33776
Mean x = 0.07595
Mean y = 2.419
RMS x = 0.7588
RMS y = 1.404
0 19539 0
0 14237 0
0 0 0
chisq1
eta

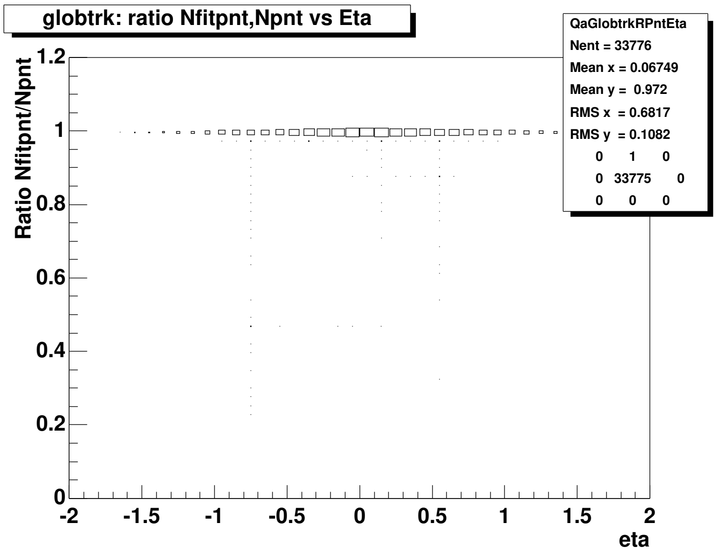

globtrk: Chisq0 vs tanl(dip)
QaGlobtrkChi0Tanl
Nent = 33776
Mean x = 0.08963
Mean y = 1.789
RMS x = 0.8523
RMS y = 1.247
0 7367 0
0 26384 0
0 25 0
chisq0
dip angle

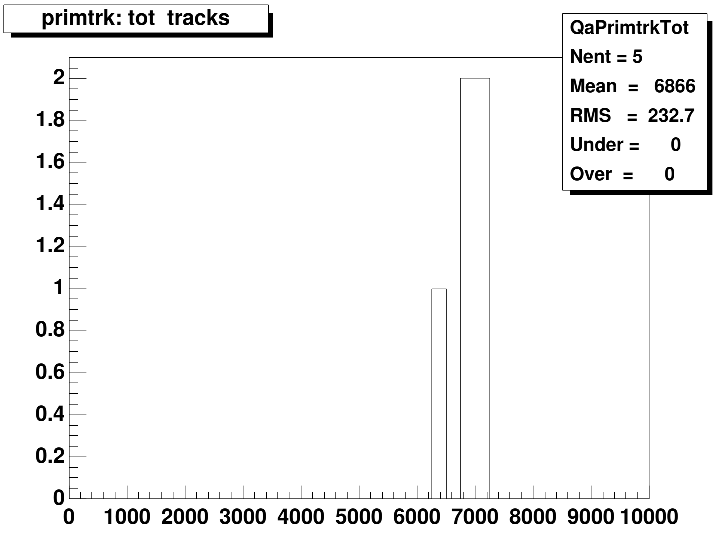

globtrk: Chisq1 vs tanl(dip)
QaGlobtrkChi1Tanl
Nent = 33776
Mean x = 0.1006
Mean y = 2.419
RMS x = 0.9465
RMS y = 1.404
0 19539 0
0 14237 0
0 0 0
chisq1
dip angle

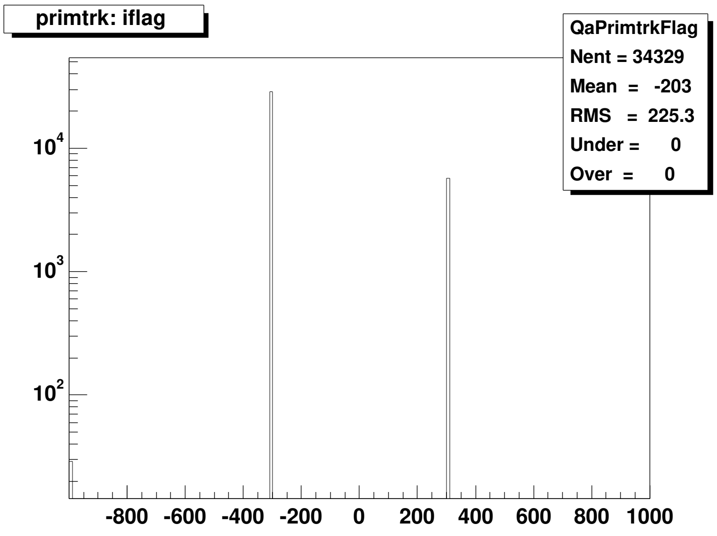

globtrk: Chisq0 vs zfirst
QaGlobtrkChi0zf
Nent = 33776
Mean x = -1.645
Mean y = 1.789
RMS x = 82.97
RMS y = 1.247
0 7367 0
0 26384 0
0 25 0
chisq0
zfirst

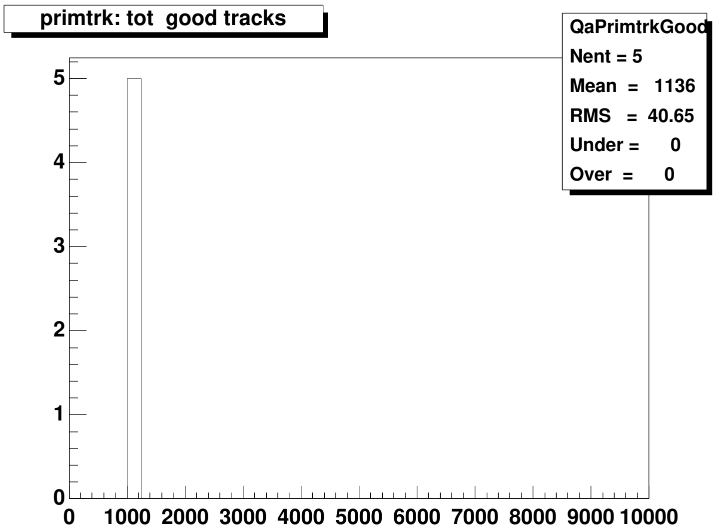

globtrk: Chisq1 vs zfirst
QaGlobtrkChi1zf
Nent = 33776
Mean x = 2.513
Mean y = 2.419
RMS x = 91.24
RMS y = 1.404
0 19539 0
0 14237 0
0 0 0
chisq1
zfirst

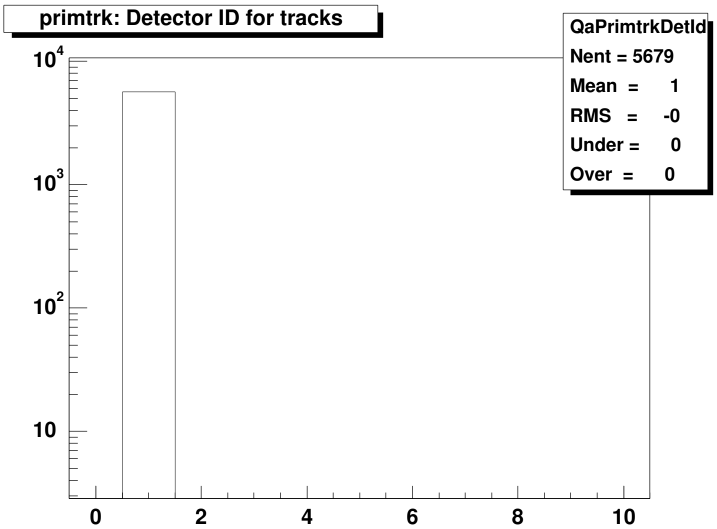

globtrk: ratio Nfitpnt,Npnt vs log mom.
QaGlobtrkRPntMom
Nent = 33776
Mean x = 2.579
Mean y = 0.9721
RMS x = 0.3872
RMS y = 0.108
0 1 0
2 33707 66
0 0 0
Ratio Nfitpnt/Npnt
log P (MeV)

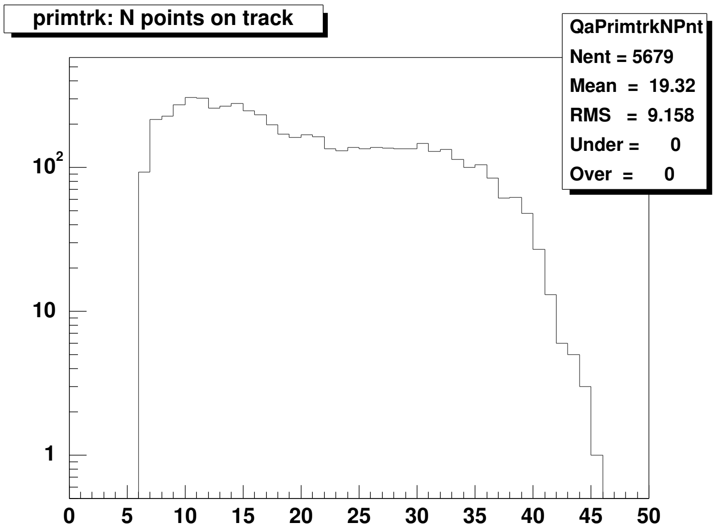

globtrk: ratio Nfitpnt,Npnt vs Eta
QaGlobtrkRPntEta
Nent = 33776
Mean x = 0.06749
Mean y = 0.972
RMS x = 0.6817
RMS y = 0.1082
0 1 0
0 33775 0
0 0 0
Ratio Nfitpnt/Npnt
eta

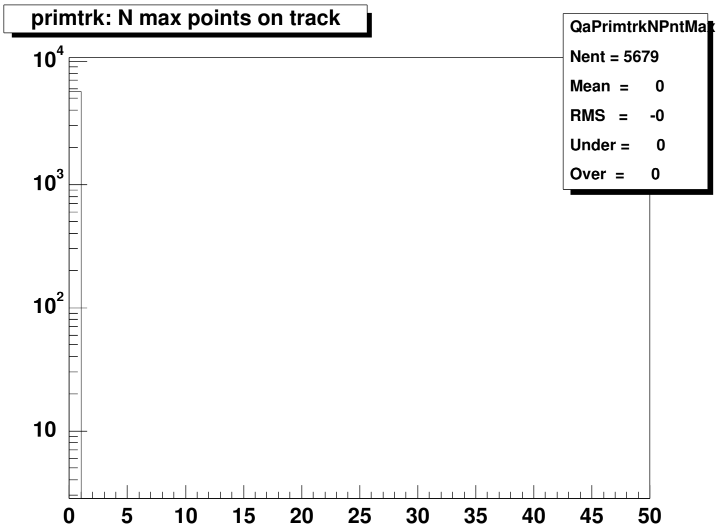

primtrk: tot tracks
QaPrimtrkTot
Nent = 5
Mean = 6866
RMS = 232.7
Under = 0
Over = 0

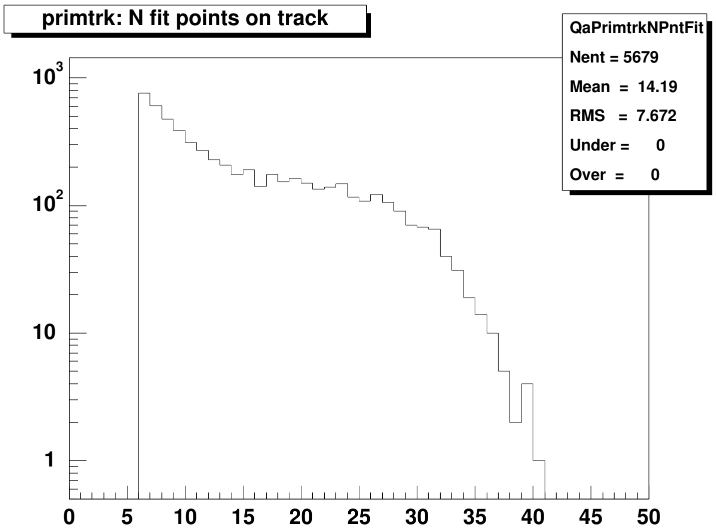

primtrk: iflag
QaPrimtrkFlag
Nent = 34329
Mean = -203
RMS = 225.3
Under = 0
Over = 0

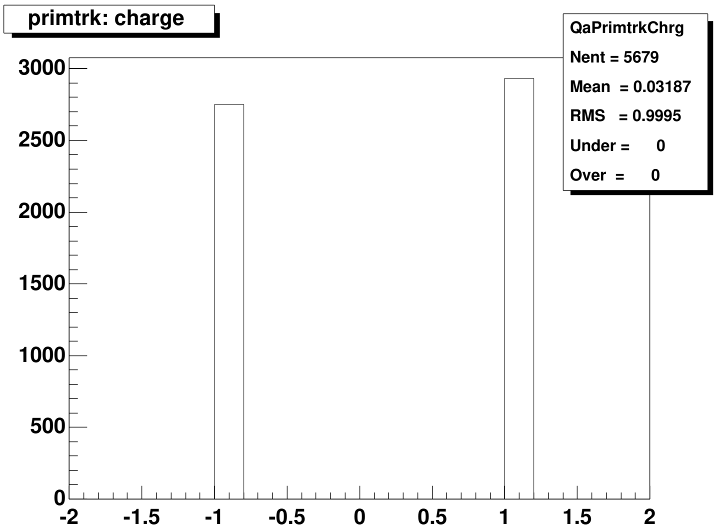

primtrk: tot good tracks
QaPrimtrkGood
Nent = 5
Mean = 1136
RMS = 40.65
Under = 0
Over = 0
0 1 2 3 4 5
0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

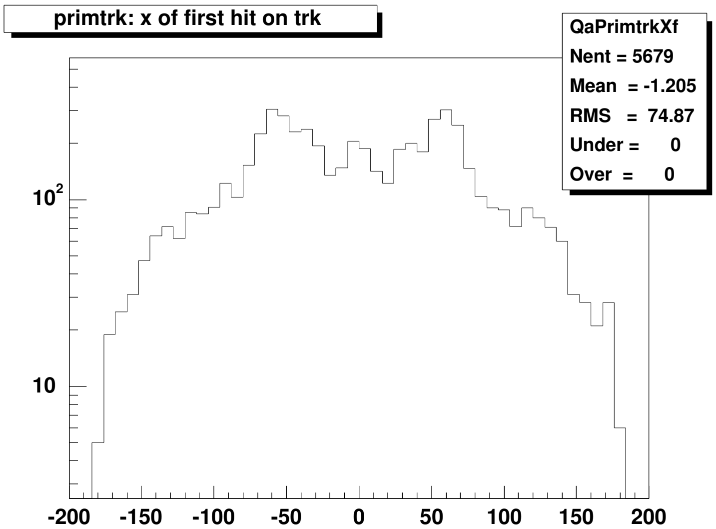

primtrk: Detector ID for tracks
QaPrimtrkDetId
Nent = 5679
Mean = 1
RMS = -0
Under = 0
Over = 0
10 10^2 10^3 10^4
0 2 4 6 8 10

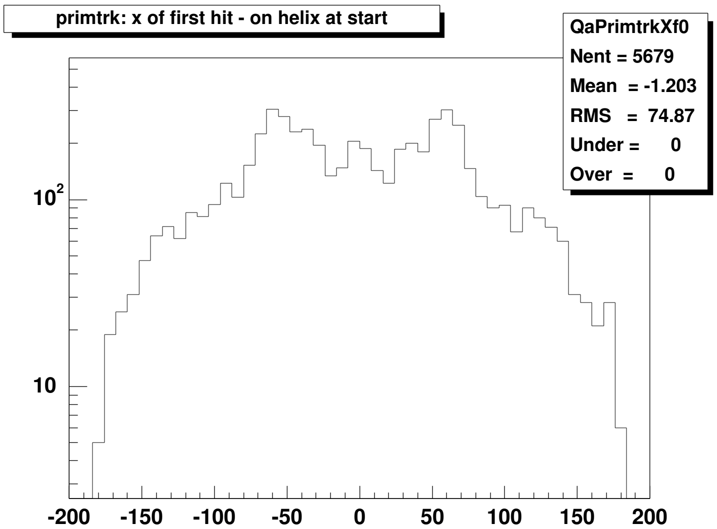

primtrk: N points on track
QaPrimtrkNPnt
Nent = 5679
Mean = 19.32
RMS = 9.158
Under = 0
Over = 0
1 10 10^2
0 5 10 15 20 25 30 35 40 45 50

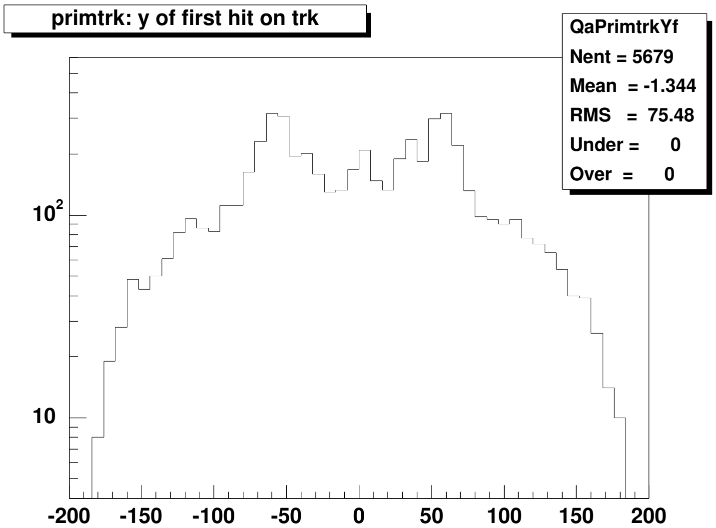

primtrk: N max points on track
QaPrimtrkNPntMax
Nent = 5679
Mean = 0
RMS = -0
Under = 0
Over = 0
10 10^2 10^3 10^4
0 5 10 15 20 25 30 35 40 45 50

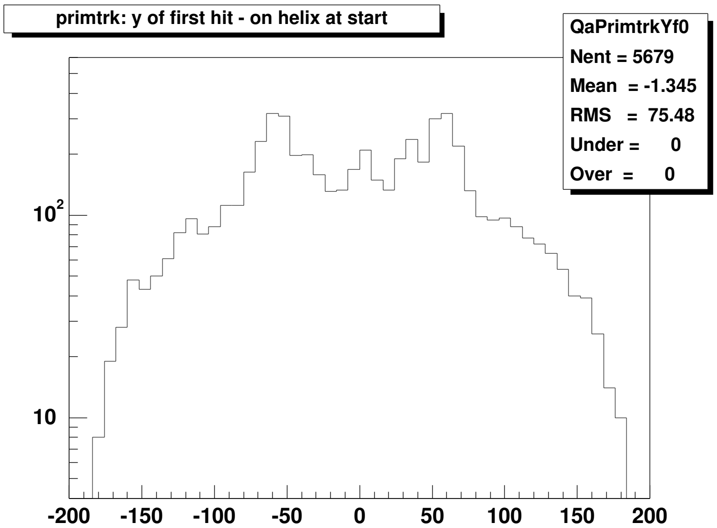

primtrk: N fit points on track
QaPrimtrkNPntFit
Nent = 5679
Mean = 14.19
RMS = 7.672
Under = 0
Over = 0
1 10 10^2 10^3
0 5 10 15 20 25 30 35 40 45 50

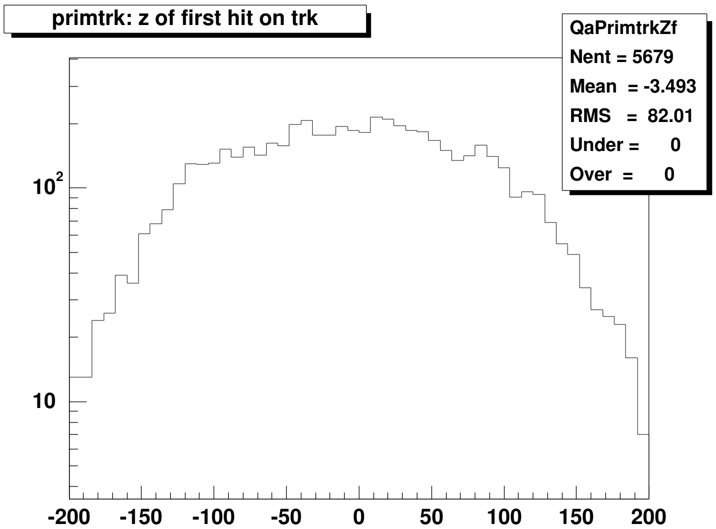

primtrk: charge
QaPrimtrkChrg
Nent = 5679
Mean = 0.03187
RMS = 0.9995
Under = 0
Over = 0
0 500 1000 1500 2000 2500 3000
-2 -1.5 -1 -0.5 0 0.5 1 1.5 2

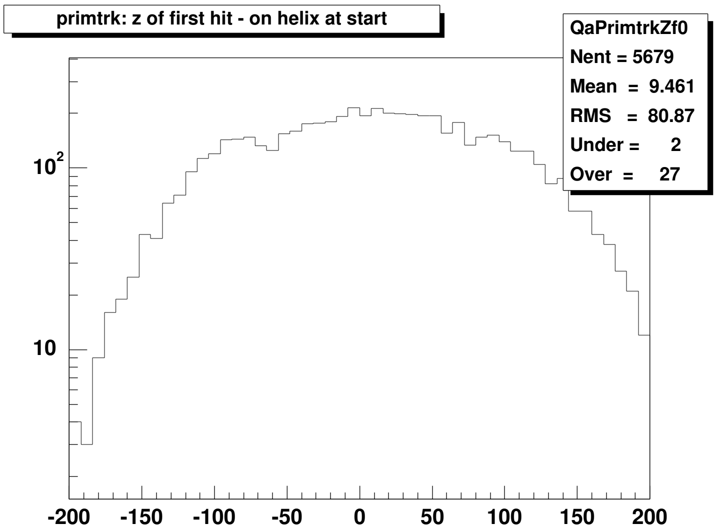

primtrk: x of first hit on trk
QaPrimtrkXf
Nent = 5679
Mean = -1.205
RMS = 74.87
Under = 0
Over = 0
10^2
10
-200 -150 -100 -50 0 50 100 150 200

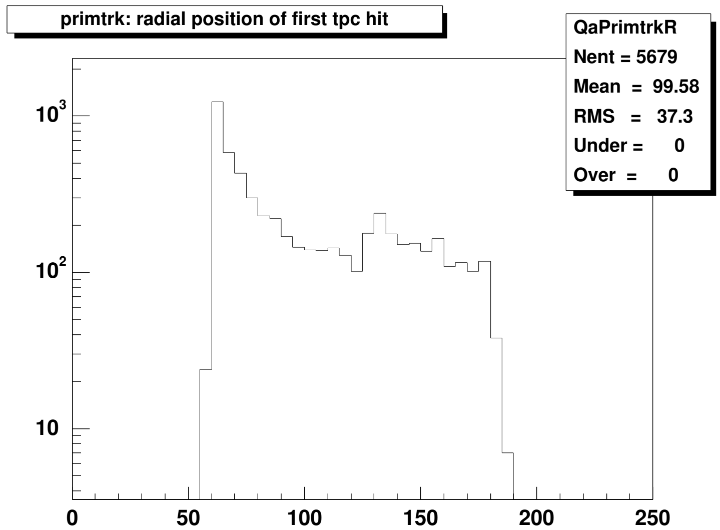

primtrk: x of first hit - on helix at start
QaPrimtrkXf0
Nent = 5679
Mean = -1.203
RMS = 74.87
Under = 0
Over = 0
10^2
10
-200 -150 -100 -50 0 50 100 150 200

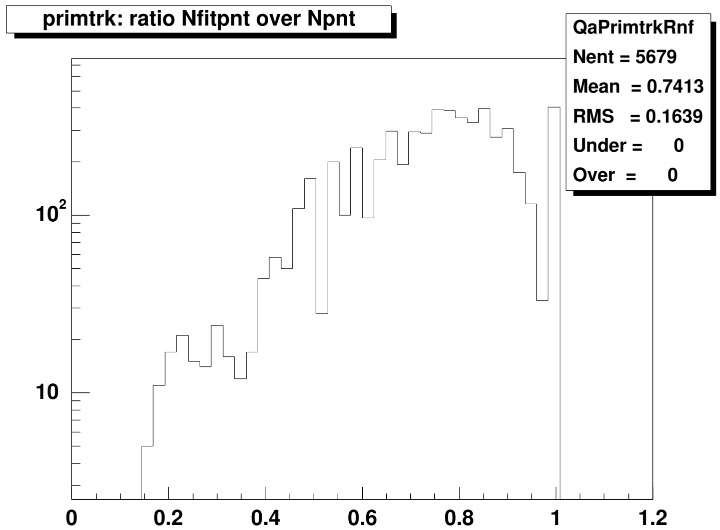

primtrk: y of first hit on trk
QaPrimtrkYf
Nent = 5679
Mean = -1.344
RMS = 75.48
Under = 0
Over = 0
10^2
10
-200 -150 -100 -50 0 50 100 150 200

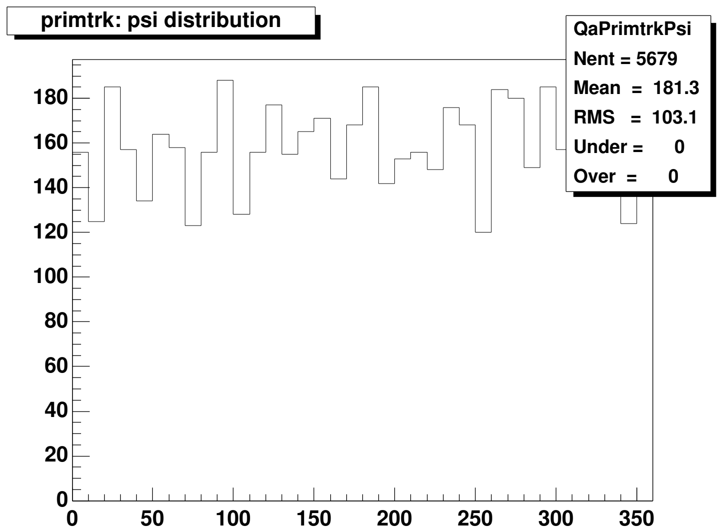

primtrk: y of first hit - on helix at start
QaPrimtrkYf0
Nent = 5679
Mean = -1.345
RMS = 75.48
Under = 0
Over = 0
10^2
10
-200 -150 -100 -50 0 50 100 150 200

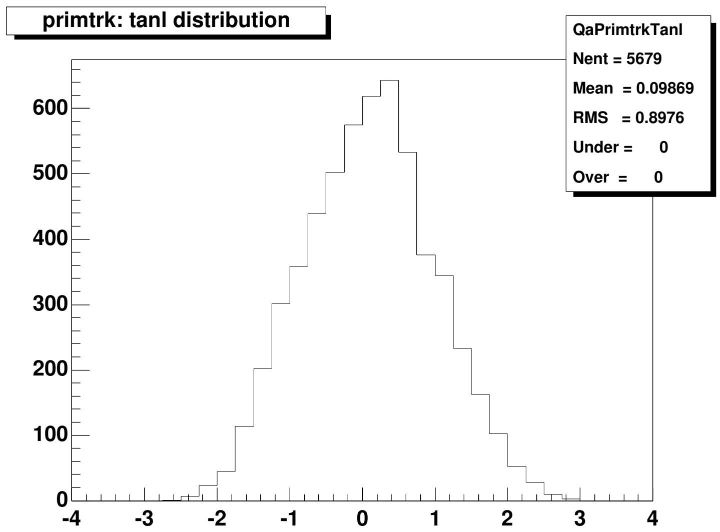

primtrk: z of first hit on trk
QaPrimtrkZf
Nent = 5679
Mean = -3.493
RMS = 82.01
Under = 0
Over = 0
10^2
10
-200 -150 -100 -50 0 50 100 150 200

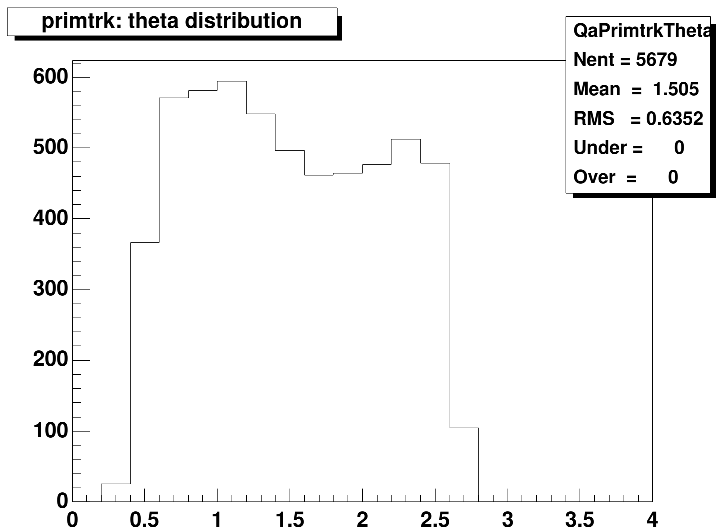

primtrk: z of first hit - on helix at start
QaPrimtrkZf0
Nent = 5679
Mean = 9.461
RMS = 80.87
Under = 2
Over = 27
10^2
10
-200 -150 -100 -50 0 50 100 150 200

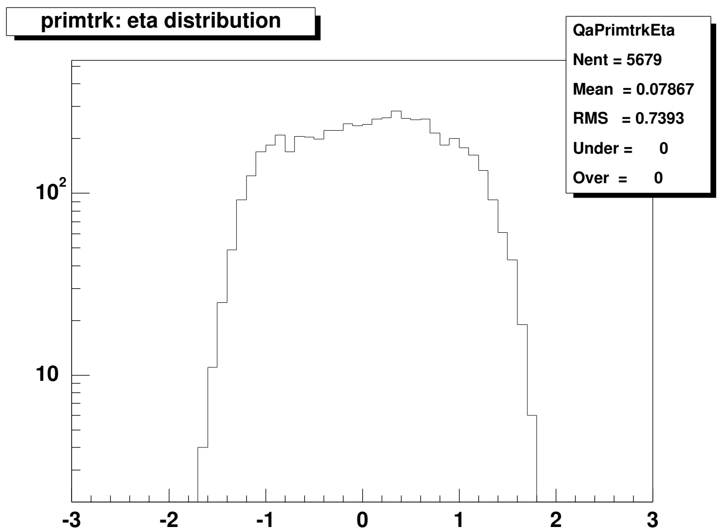

primtrk: radial position of first tpc hit
QaPrimtrkR
Nent = 5679
Mean = 99.58
RMS = 37.3
Under = 0
Over = 0

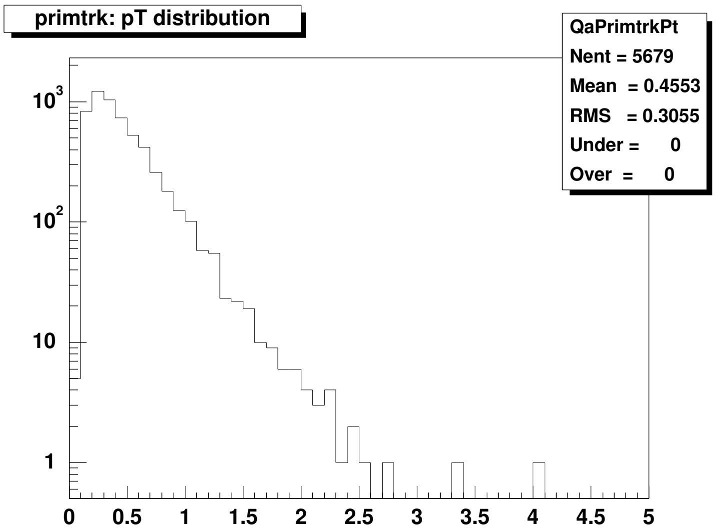

primtrk: ratio Nfitpnt over Npnt
QaPrimtrkRnf
Nent = 5679
Mean = 0.7413
RMS = 0.1639
Under = 0
Over = 0

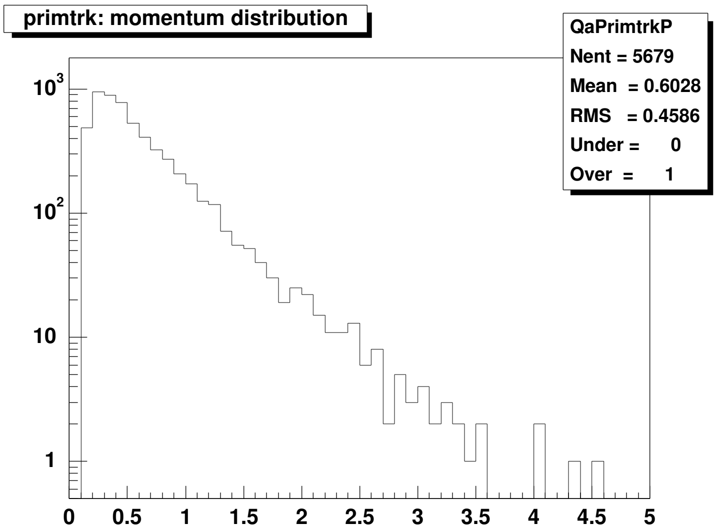

primtrk: psi distribution
QaPrimtrkPsi
Nent = 5679
Mean = 181.3
RMS = 103.1
Under = 0
Over = 0

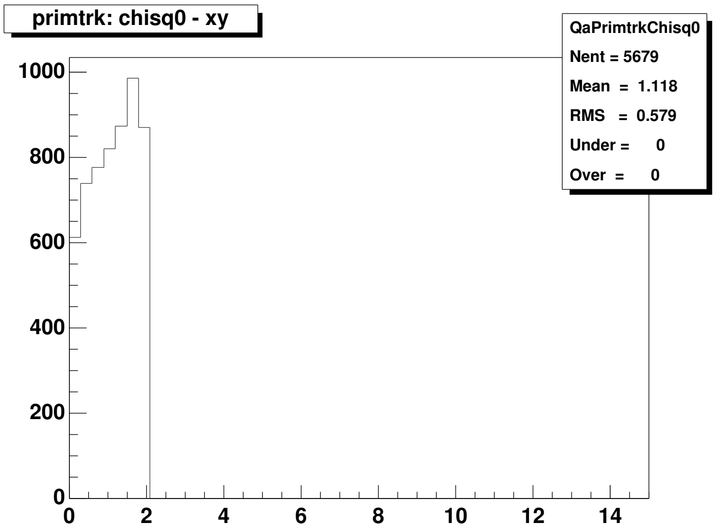

primtrk: tanl distribution
QaPrimtrkTanl
Nent = 5679
Mean = 0.09869
RMS = 0.8976
Under = 0
Over = 0

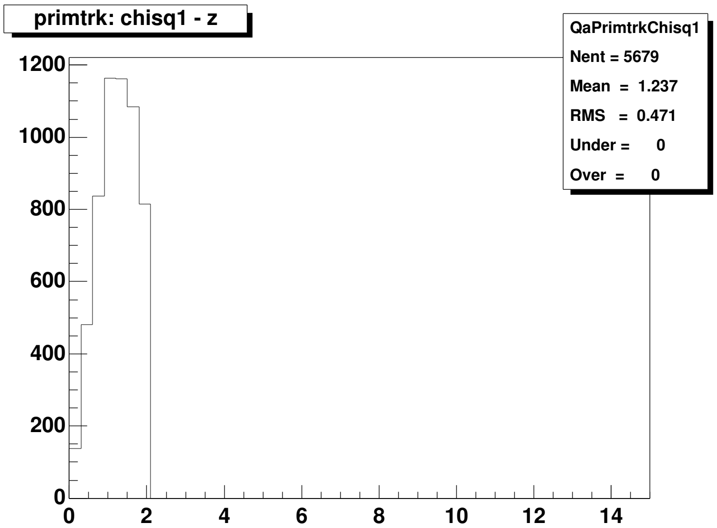

primtrk: theta distribution
QaPrimtrkTheta
Nent = 5679
Mean = 1.505
RMS = 0.6352
Under = 0
Over = 0

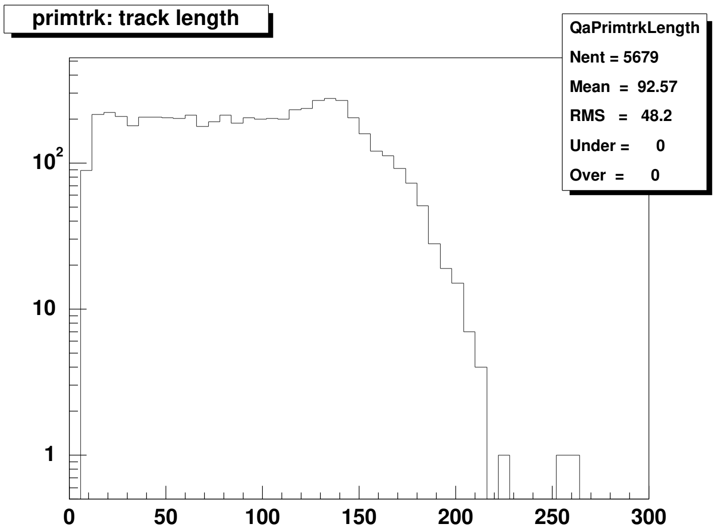

primtrk: eta distribution
QaPrimtrkEta
Nent = 5679
Mean = 0.07867
RMS = 0.7393
Under = 0
Over = 0

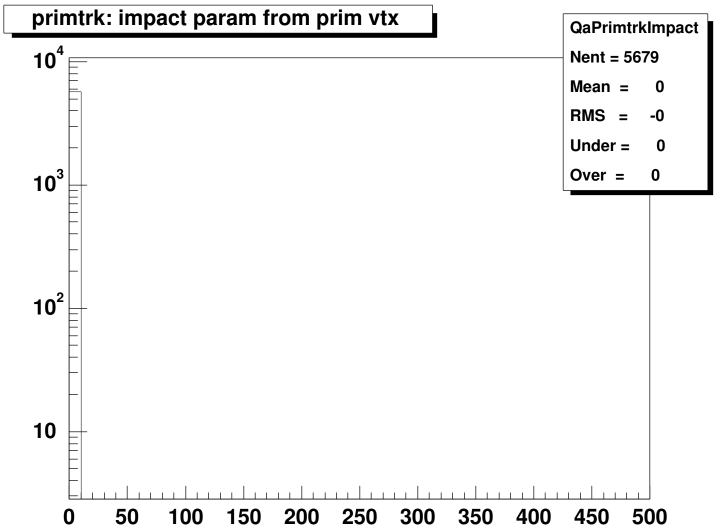

primtrk: pT distribution
QaPrimtrkPt
Nent = 5679
Mean = 0.4553
RMS = 0.3055
Under = 0
Over = 0
10^3
10^2
10
1
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

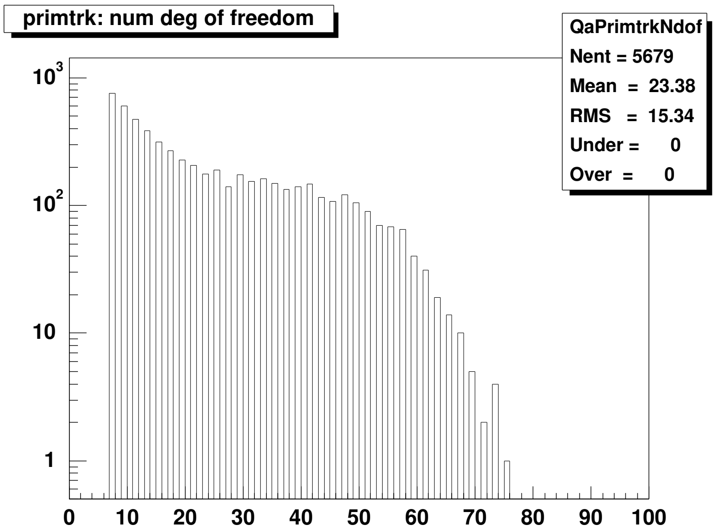

primtrk: momentum distribution
QaPrimtrkP
Nent = 5679
Mean = 0.6028
RMS = 0.4586
Under = 0
Over = 1
10^3
10^2
10
1
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

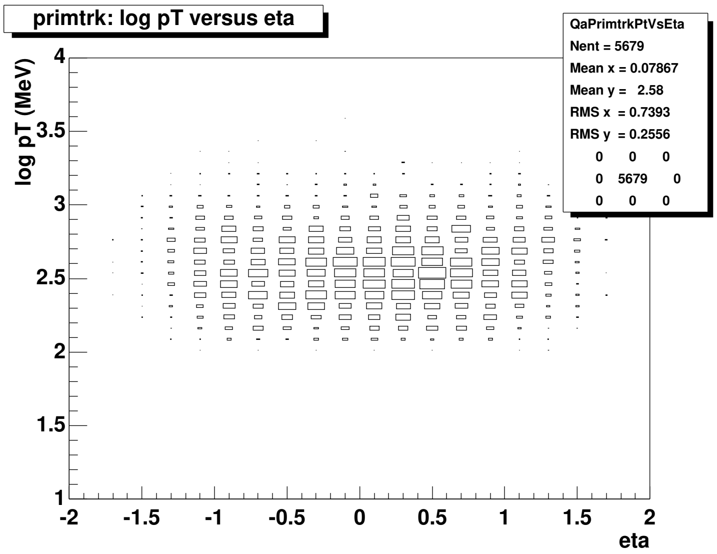

primtrk: chisq0 - xy
QaPrimtrkChisq0
Nent = 5679
Mean = 1.118
RMS = 0.579
Under = 0
Over = 0
1000
800
600
400
200
0
0
2
4
6
8
10
12
14

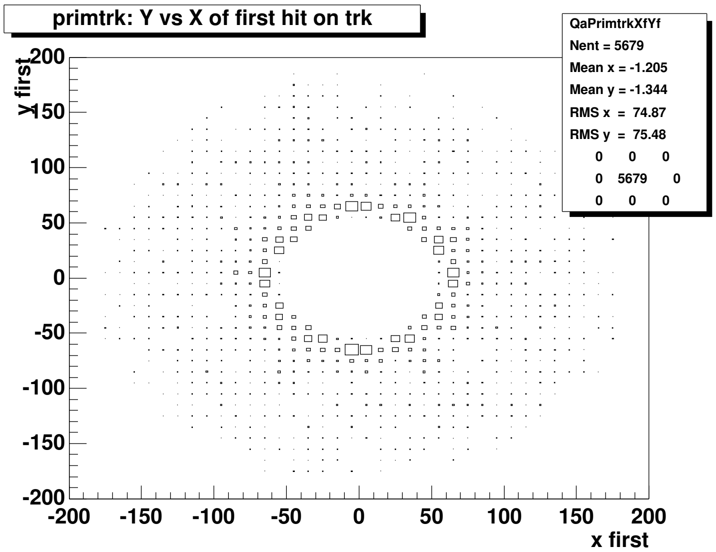

primtrk: chisq1 - z
QaPrimtrkChisq1
Nent = 5679
Mean = 1.237
RMS = 0.471
Under = 0
Over = 0
1200
1000
800
600
400
200
0
0
2
4
6
8
10
12
14

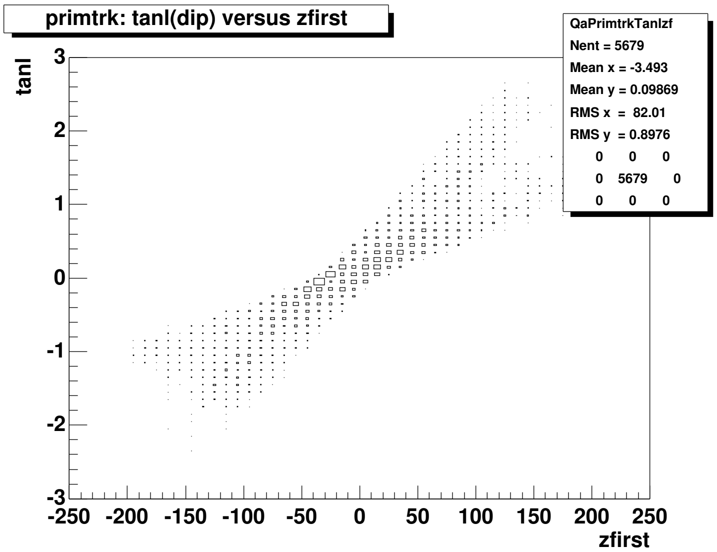

primtrk: track length
QaPrimtrkLength
Nent = 5679
Mean = 92.57
RMS = 48.2
Under = 0
Over = 0
10^2
10
1
0
50
100
150
200
250
300

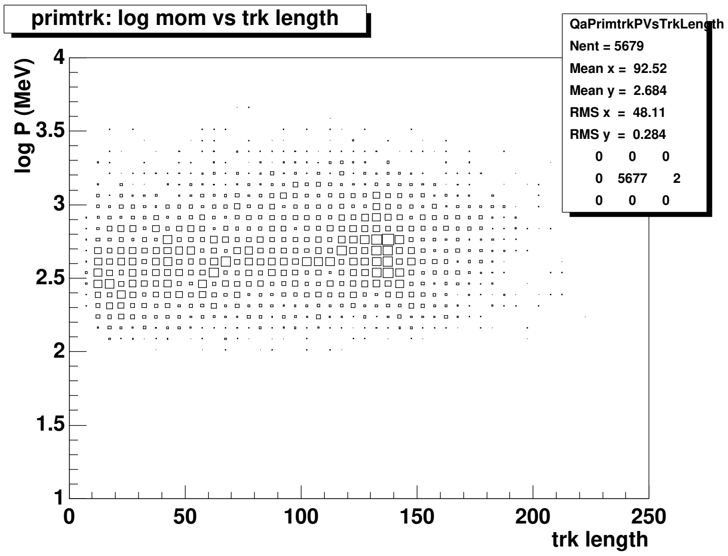

primtrk: impact param from prim vtx
QaPrimtrkImpact
Nent = 5679
Mean = 0
RMS = -0
Under = 0
Over = 0
10^4
10^3
10^2
10
0
50
100
150
200
250
300
350
400
450
500

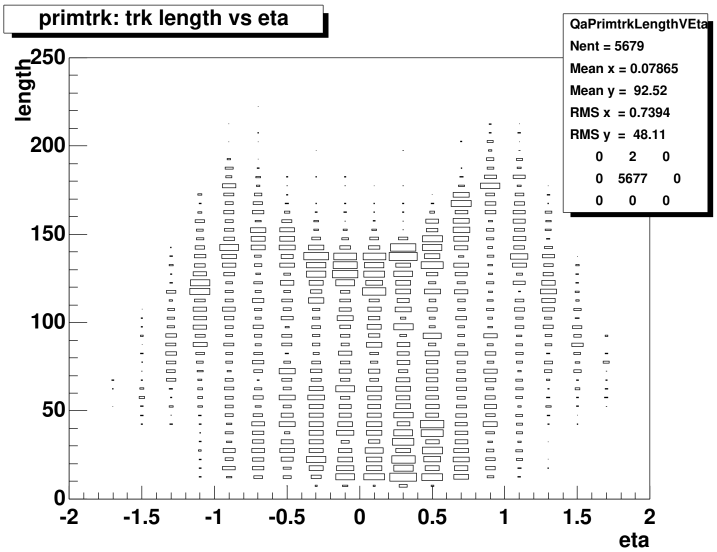

primtrk: num deg of freedom
QaPrimtrkNdof
Nent = 5679
Mean = 23.38
RMS = 15.34
Under = 0
Over = 0

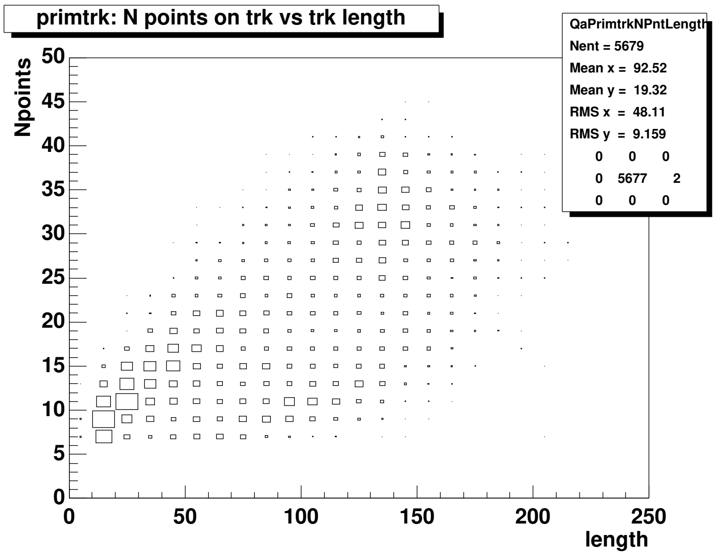

primtrk: log pT versus eta
QaPrimtrkPtVsEta
Nent = 5679
Mean x = 0.07867
Mean y = 2.58
RMS x = 0.7393
RMS y = 0.2556
0 0 0
0 5679 0
0 0 0
log pT (MeV)
eta

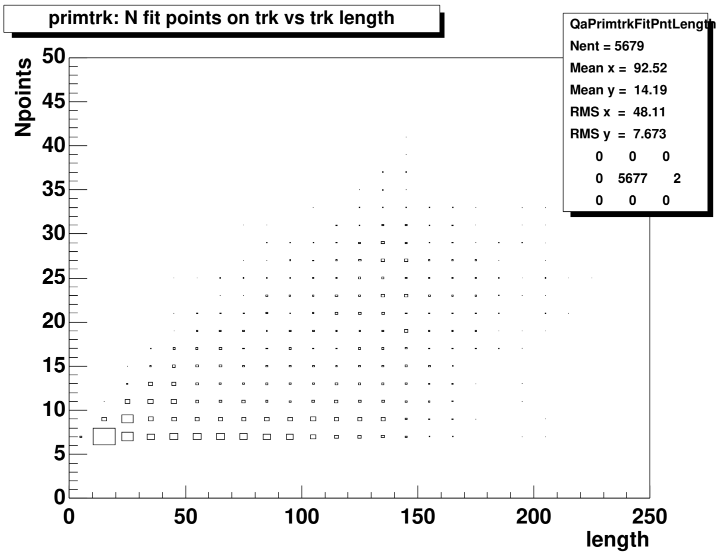

primtrk: Y vs X of first hit on trk
QaPrimtrkXfYf
Nent = 5679
Mean x = -1.205
Mean y = -1.344
RMS x = 74.87
RMS y = 75.48
0 0 0
0 5679 0
0 0 0
y first
x first

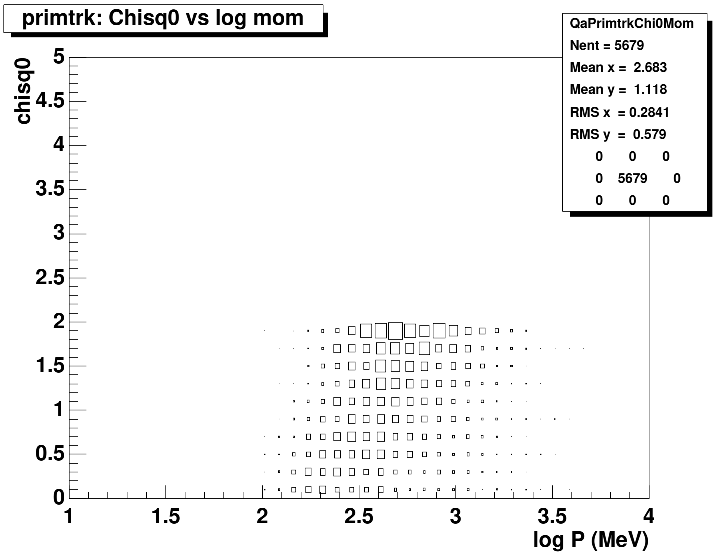

primtrk: tanl(dip) versus zfirst
QaPrimtrkTanlzf
Nent = 5679
Mean x = -3.493
Mean y = 0.09869
RMS x = 82.01
RMS y = 0.8976
0 0 0
0 5679 0
0 0 0
tanl
zfirst

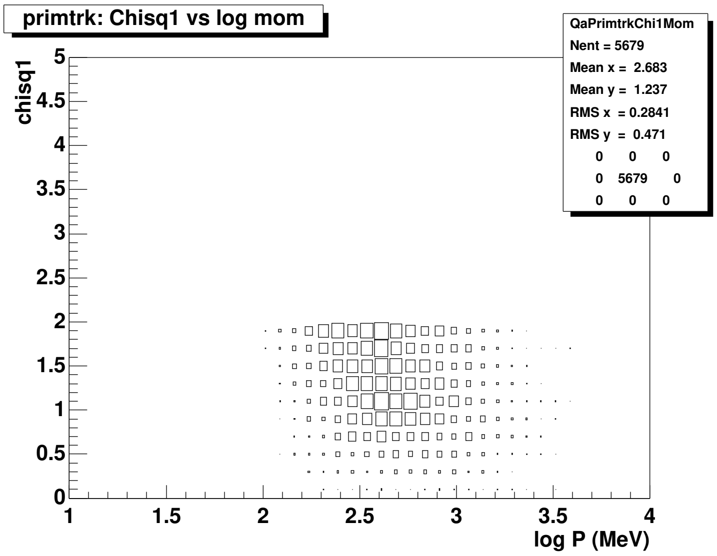

primtrk: log mom vs trk length
QaPrimtrkPVsTrkLength
Nent = 5679
Mean x = 92.52
Mean y = 2.684
RMS x = 48.11
RMS y = 0.284
0 0 0
0 5677 2
0 0 0
log P (MeV)
trk length

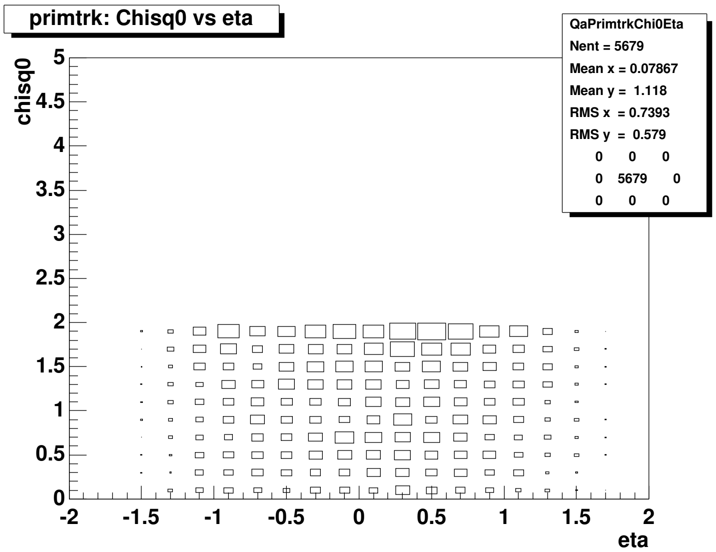

primtrk: trk length vs eta
QaPrimtrkLengthVEta
Nent = 5679
Mean x = 0.07865
Mean y = 92.52
RMS x = 0.7394
RMS y = 48.11
0 2 0
0 5677 0
0 0 0
length
eta

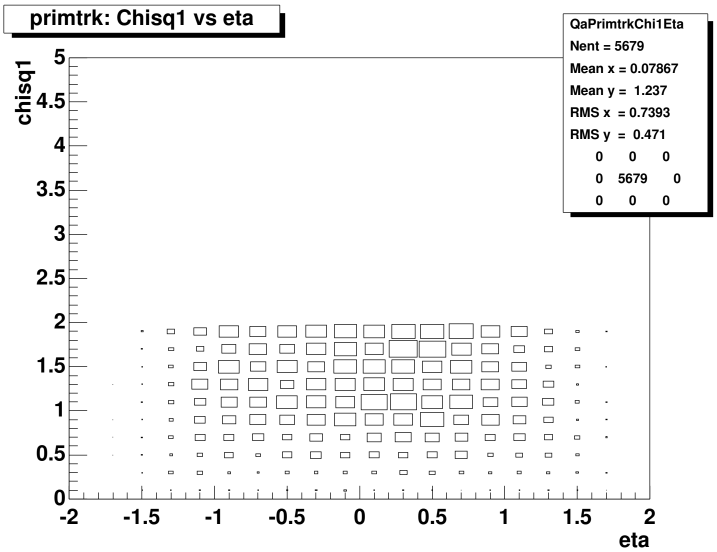

primtrk: N points on trk vs trk length
QaPrimtrkNPntLength
Nent = 5679
Mean x = 92.52
Mean y = 19.32
RMS x = 48.11
RMS y = 9.159
0 0 0
0 5677 2
0 0 0
Npoints
length

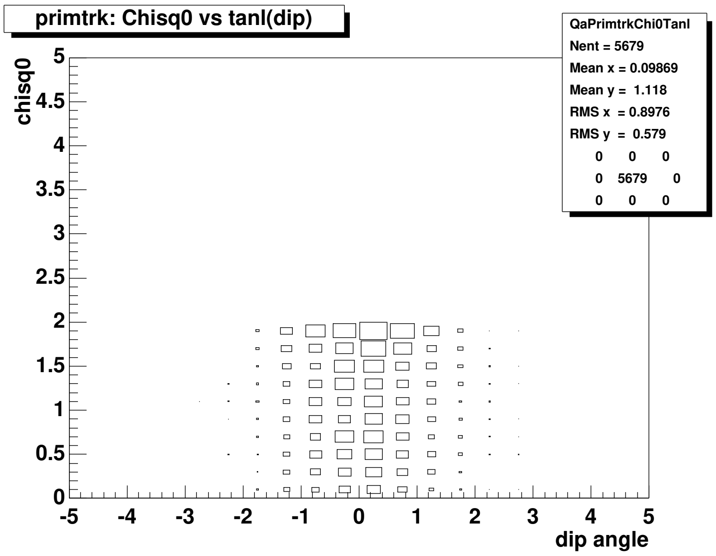

primtrk: N fit points on trk vs trk length
QaPrimtrkFitPntLength
Nent = 5679
Mean x = 92.52
Mean y = 14.19
RMS x = 48.11
RMS y = 7.673
0 0 0
0 5677 2
0 0 0
Npoints
length

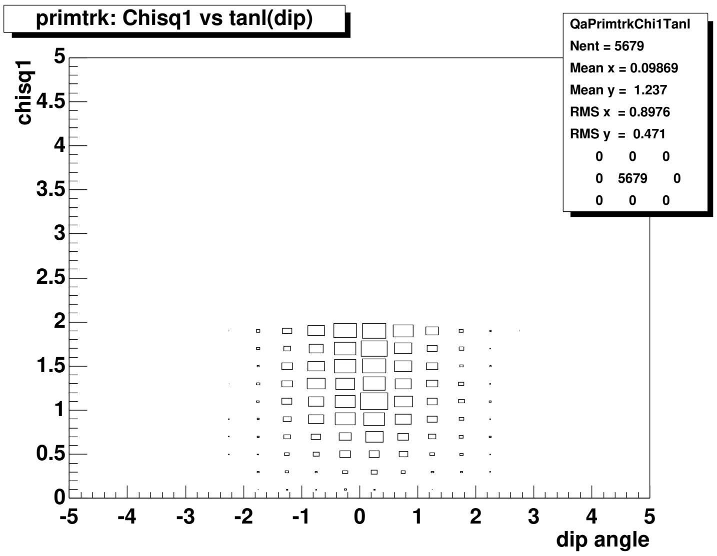

primtrk: Chisq0 vs log mom
QaPrimtrkChi0Mom
Nent = 5679
Mean x = 2.683
Mean y = 1.118
RMS x = 0.2841
RMS y = 0.579
0 0 0
0 5679 0
0 0 0
chisq0
log P (MeV)

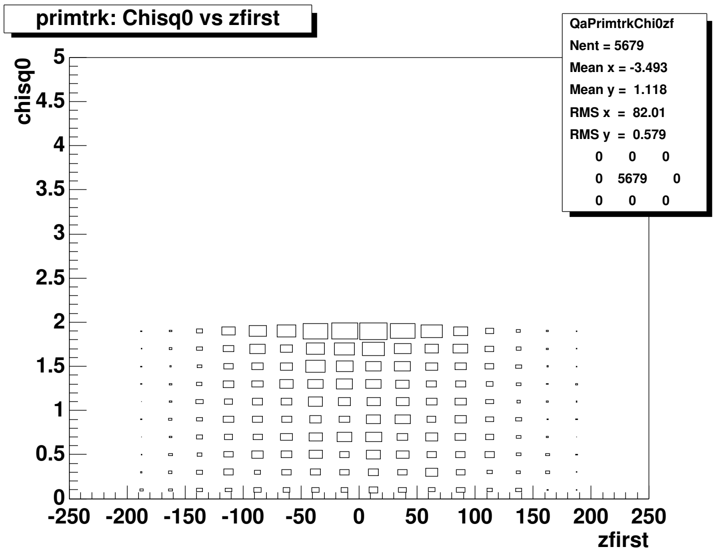

primtrk: Chisq1 vs log mom
QaPrimtrkChi1Mom
Nent = 5679
Mean x = 2.683
Mean y = 1.237
RMS x = 0.2841
RMS y = 0.471
0 0 0
0 5679 0
0 0 0
chisq1
log P (MeV)

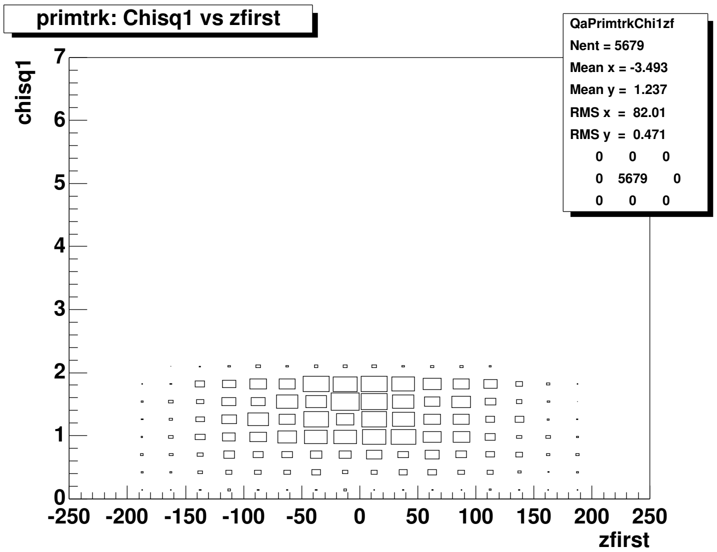

primtrk: Chisq0 vs eta
QaPrimtrkChi0Eta
Nent = 5679
Mean x = 0.07867
Mean y = 1.118
RMS x = 0.7393
RMS y = 0.579
0 0 0
0 5679 0
0 0 0
chisq0
eta

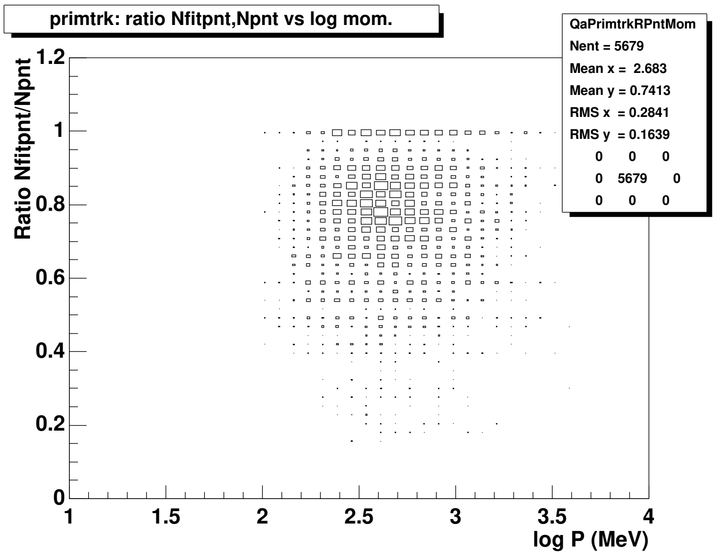

primtrk: Chisq1 vs eta
QaPrimtrkChi1Eta
Nent = 5679
Mean x = 0.07867
Mean y = 1.237
RMS x = 0.7393
RMS y = 0.471
0 0 0
0 5679 0
0 0 0
chisq1
eta

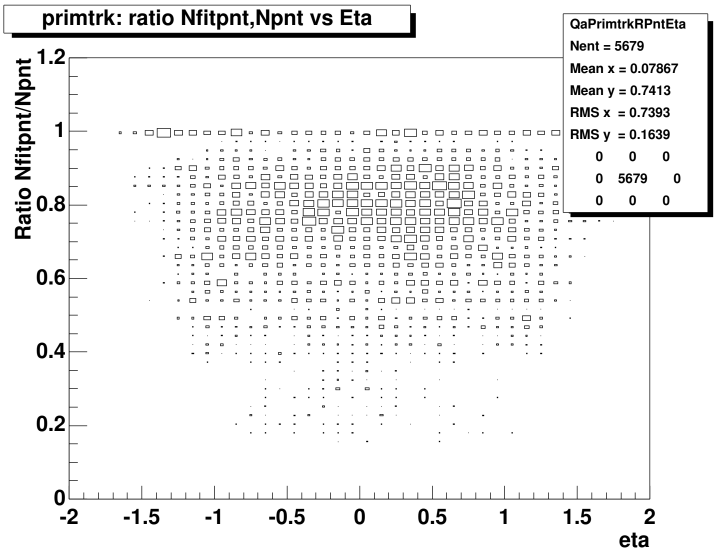

primtrk: Chisq0 vs tanl(dip)
QaPrimtrkChi0Tanl
Nent = 5679
Mean x = 0.09869
Mean y = 1.118
RMS x = 0.8976
RMS y = 0.579
0 0 0
0 5679 0
0 0 0
chisq0
dip angle

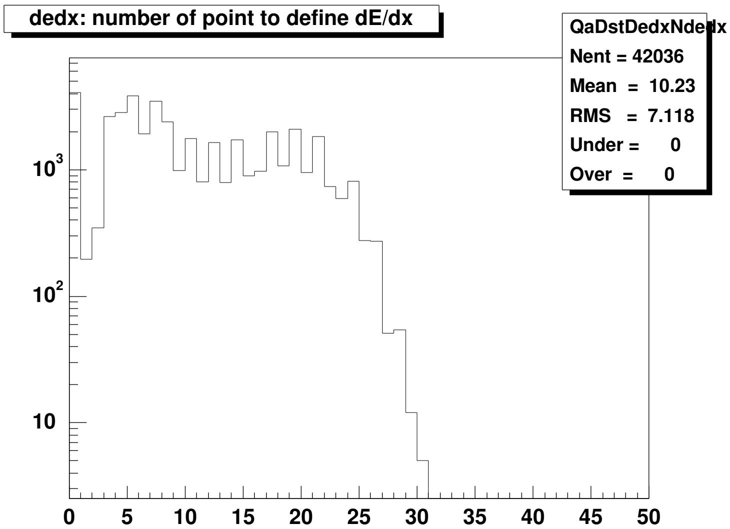

primtrk: Chisq1 vs tanl(dip)
QaPrimtrkChi1Tanl
Nent = 5679
Mean x = 0.09869
Mean y = 1.237
RMS x = 0.8976
RMS y = 0.471
0 0 0
0 5679 0
0 0 0
chisq1
dip angle

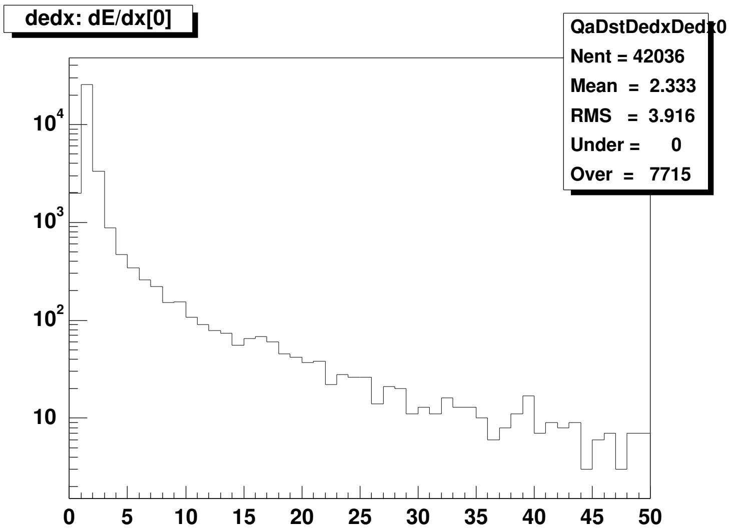

primtrk: Chisq0 vs zfirst
QaPrimtrkChi0zf
Nent = 5679
Mean x = -3.493
Mean y = 1.118
RMS x = 82.01
RMS y = 0.579
0 0 0
0 5679 0
0 0 0
chisq0
zfirst

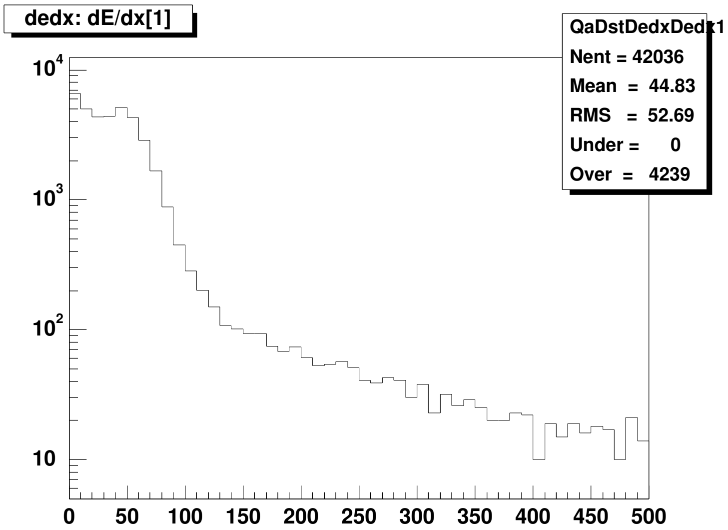

primtrk: Chisq1 vs zfirst
QaPrimtrkChi1zf
Nent = 5679
Mean x = -3.493
Mean y = 1.237
RMS x = 82.01
RMS y = 0.471
0 0 0
0 5679 0
0 0 0
chisq1
zfirst

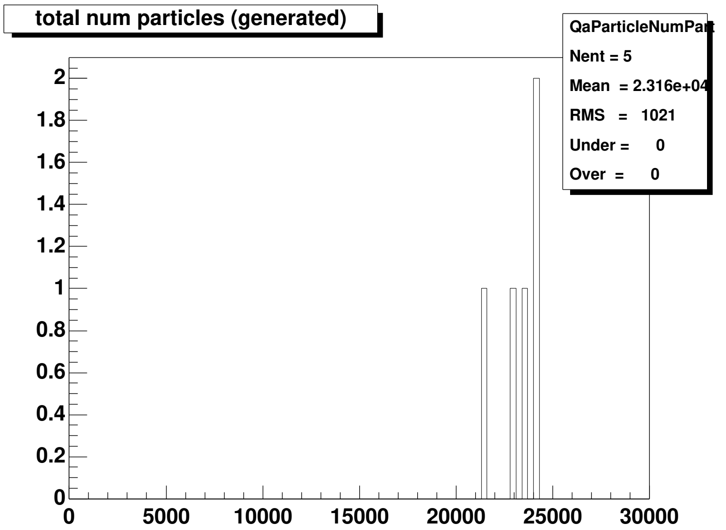

primtrk: ratio Nfitpnt,Npnt vs log mom.
QaPrimtrkRPntMom
Nent = 5679
Mean x = 2.683
Mean y = 0.7413
RMS x = 0.2841
RMS y = 0.1639
0 0 0
0 5679 0
0 0 0
Ratio Nfitpnt/Npnt
log P (MeV)

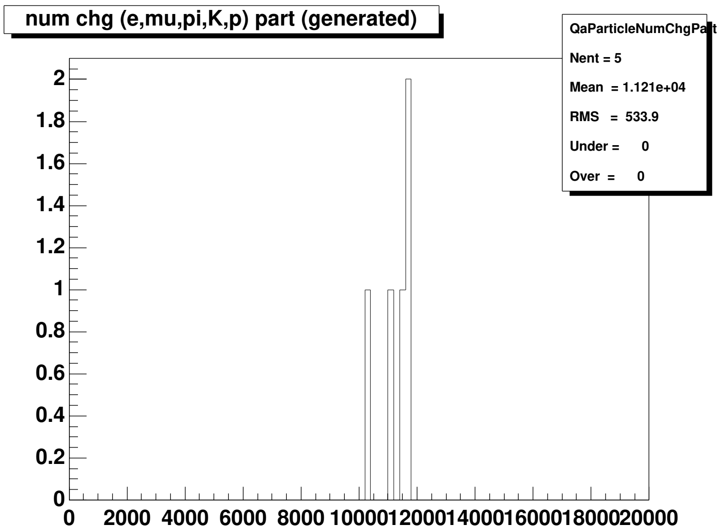

primtrk: ratio Nfitpnt,Npnt vs Eta
QaPrimtrkRPntEta
Nent = 5679
Mean x = 0.07867
Mean y = 0.7413
RMS x = 0.7393
RMS y = 0.1639
0 0 0
0 5679 0
0 0 0
Ratio Nfitpnt/Npnt
eta

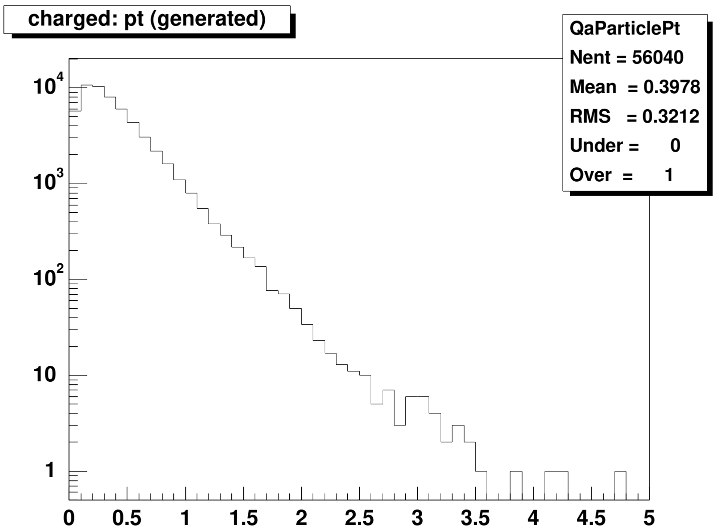

dedx: number of point to define dE/dx
QaDstDedxNdedx
Nent = 42036
Mean = 10.23
RMS = 7.118
Under = 0
Over = 0

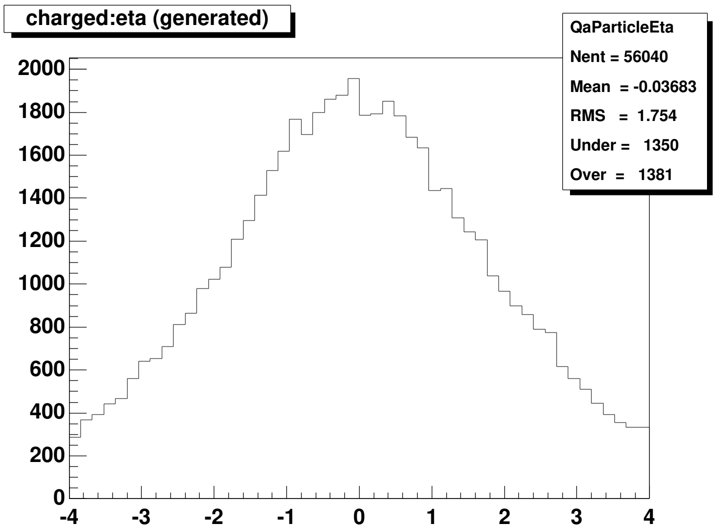

dedx: dE/dx[0]
QaDstDedxDedx0
Nent = 42036
Mean = 2.333
RMS = 3.916
Under = 0
Over = 7715

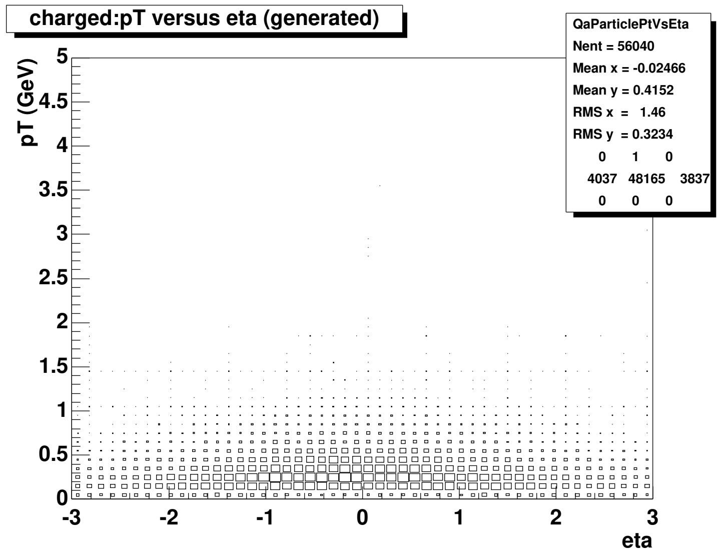

dedx: dE/dx[1]
QaDstDedxDedx1
Nent = 42036
Mean = 44.83
RMS = 52.69
Under = 0
Over = 4239

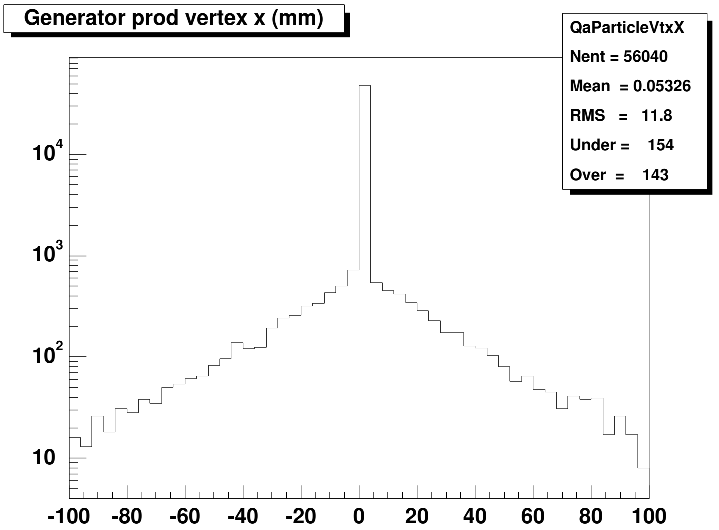

total num particles (generated)
QaParticleNumPart
Nent = 5
Mean = 2.316e+04
RMS = 1021
Under = 0
Over = 0

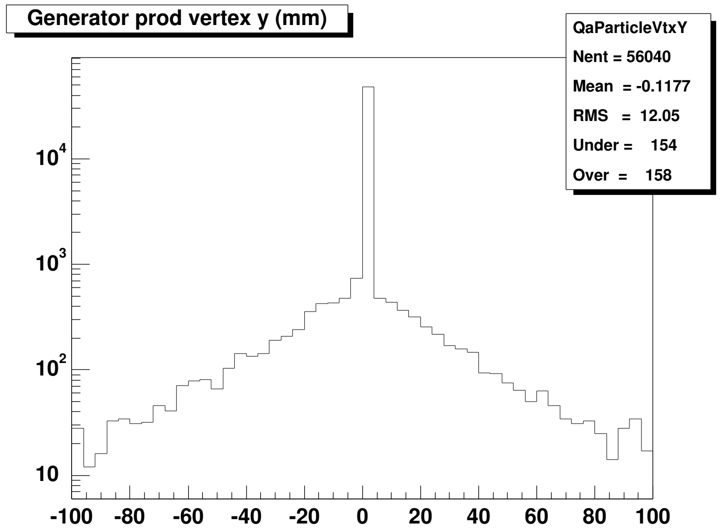

num chg (e,mu,pi,K,p) part (generated)
QaParticleNumChgPart
Nent = 5
Mean = 1.121e+04
RMS = 533.9
Under = 0
Over = 0

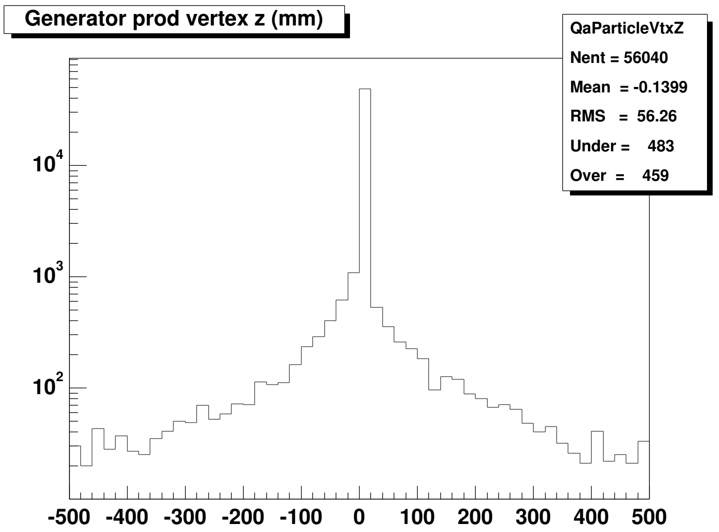

charged: pt (generated)
QaParticlePt
Nent = 56040
Mean = 0.3978
RMS = 0.3212
Under = 0
Over = 1

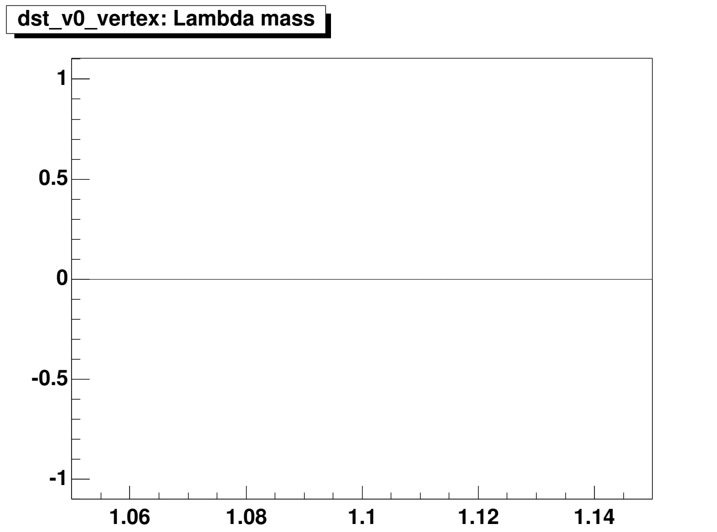

charged:eta (generated)
QaParticleEta
Nent = 56040
Mean = -0.03683
RMS = 1.754
Under = 1350
Over = 1381

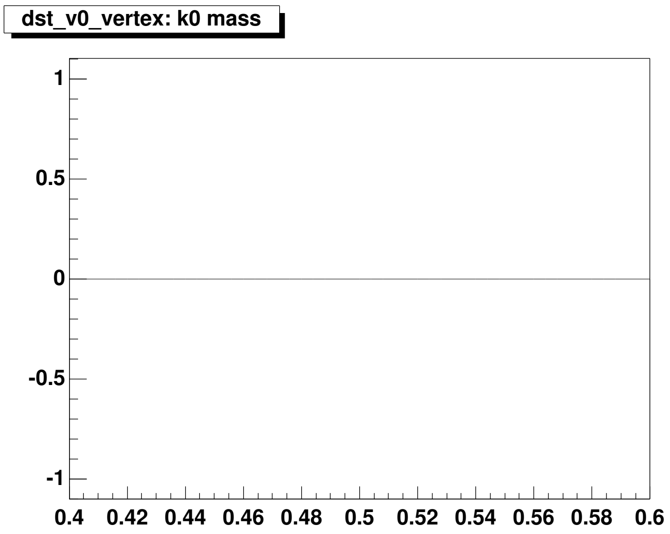

charged:pT versus eta (generated)
QaParticlePtVsEta
Nent = 56040
Mean x = -0.02466
Mean y = 0.4152
RMS x = 1.46
RMS y = 0.3234
0 1 0
4037 48165 3837
0 0 0
pT (GeV)
eta

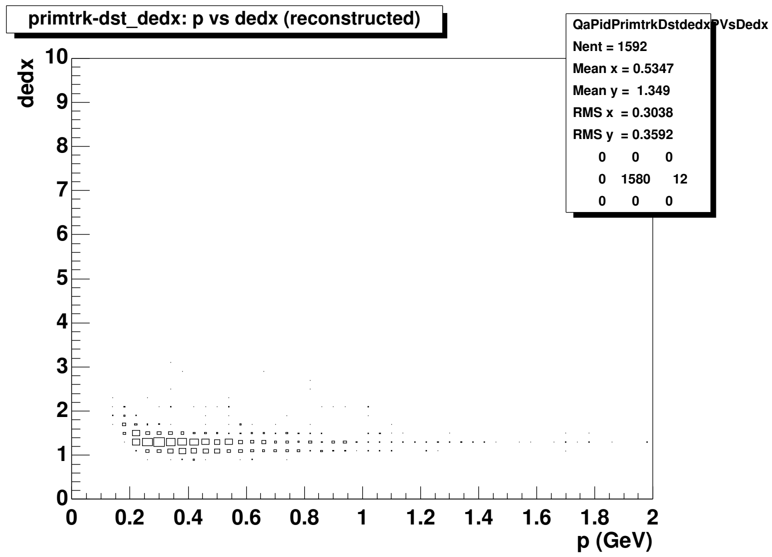

Generator prod vertex x (mm)
QaParticleVtxX
Nent = 56040
Mean = 0.05326
RMS = 11.8
Under = 154
Over = 143

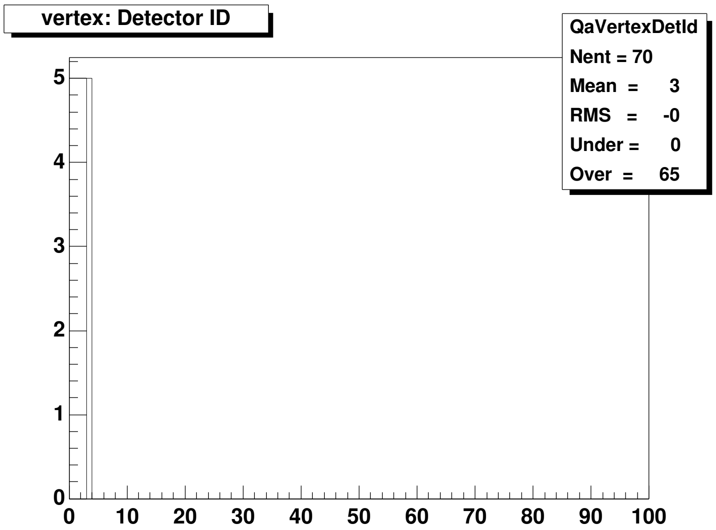

Generator prod vertex y (mm)
QaParticleVtxY
Nent = 56040
Mean = -0.1177
RMS = 12.05
Under = 154
Over = 158

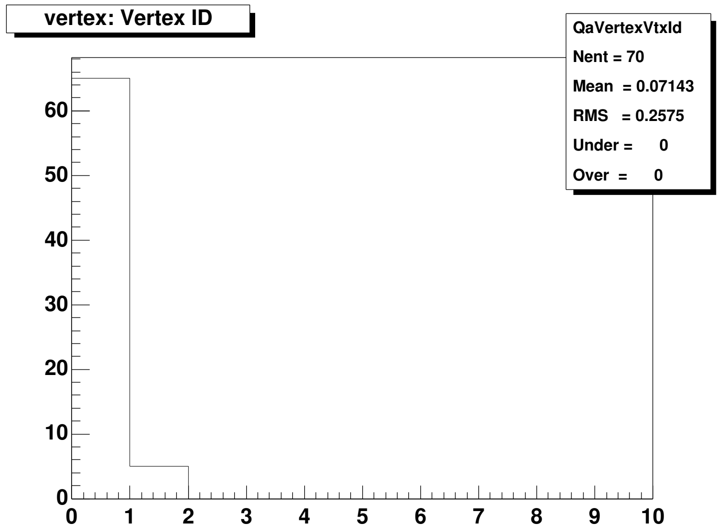

Generator prod vertex z (mm)
QaParticleVtxZ
Nent = 56040
Mean = -0.1399
RMS = 56.26
Under = 483
Over = 459

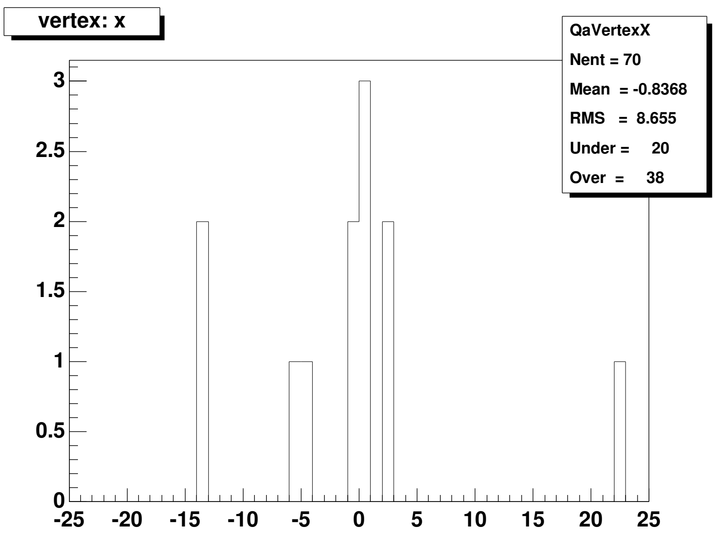

dst_v0_vertex: Lambda mass

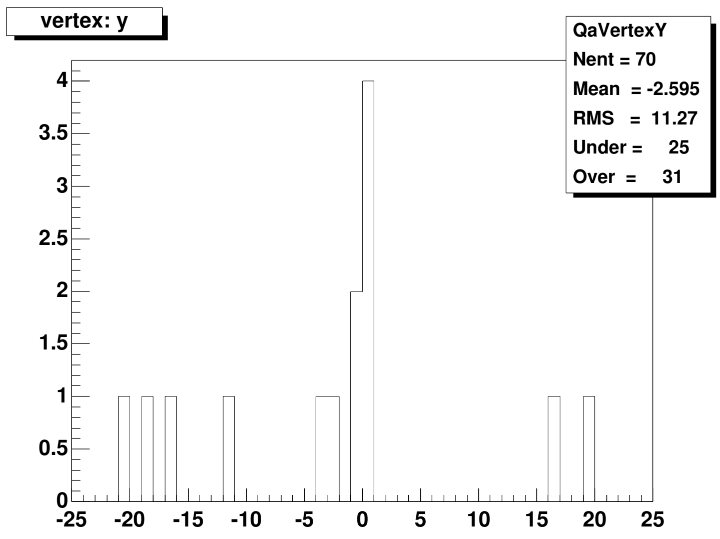

dst_v0_vertex: k0 mass

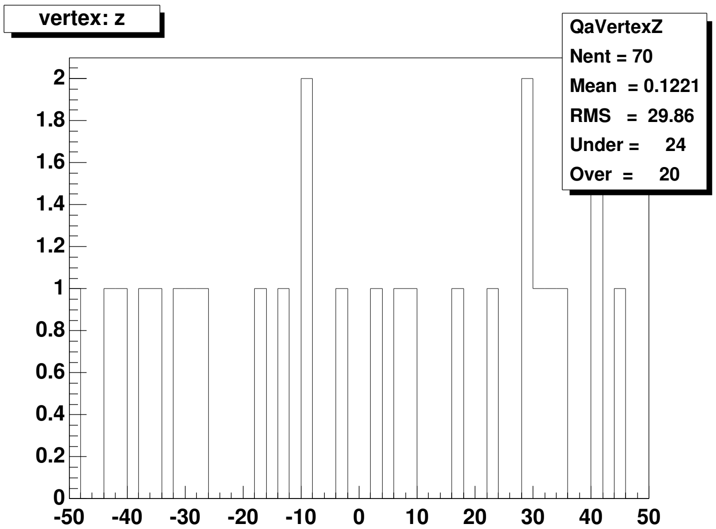

primtrk-dst_dedx: p vs dedx (reconstructed)
QaPidPrimtrkDstdedxPVsDedx
Nent = 1592
Mean x = 0.5347
Mean y = 1.349
RMS x = 0.3038
RMS y = 0.3592
0 0 0
0 1580 12
0 0 0
dedx
p (GeV)

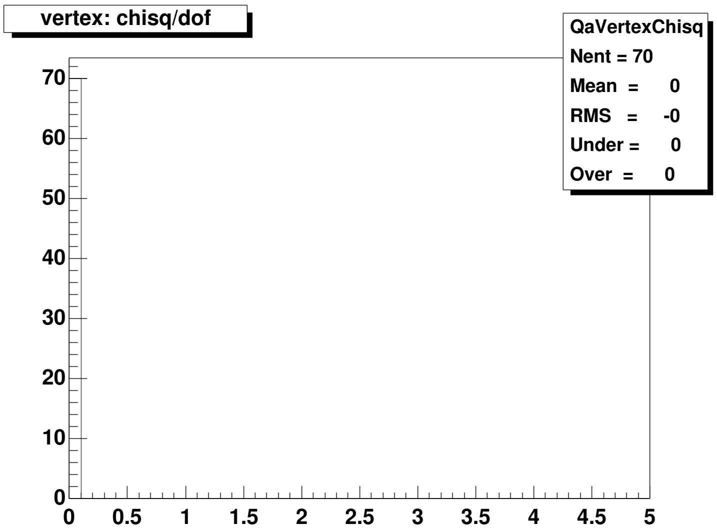

vertex: Detector ID
QaVertexDetId
Nent = 70
Mean = 3
RMS = -0
Under = 0
Over = 65

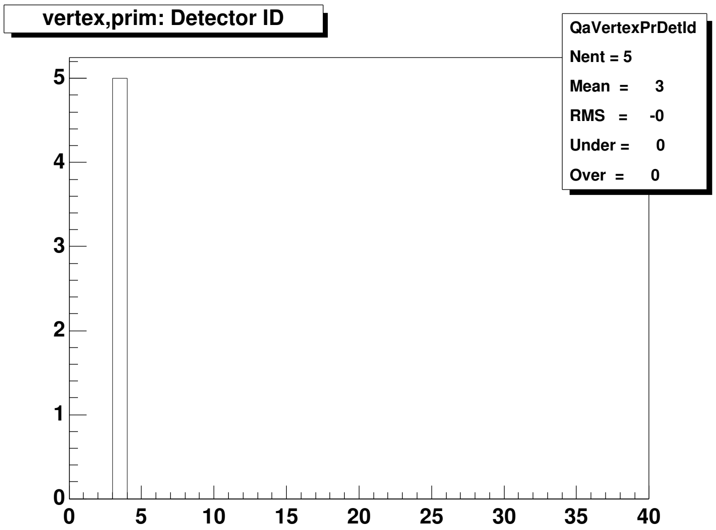

vertex: Vertex ID
QaVertexVtxId
Nent = 70
Mean = 0.07143
RMS = 0.2575
Under = 0
Over = 0

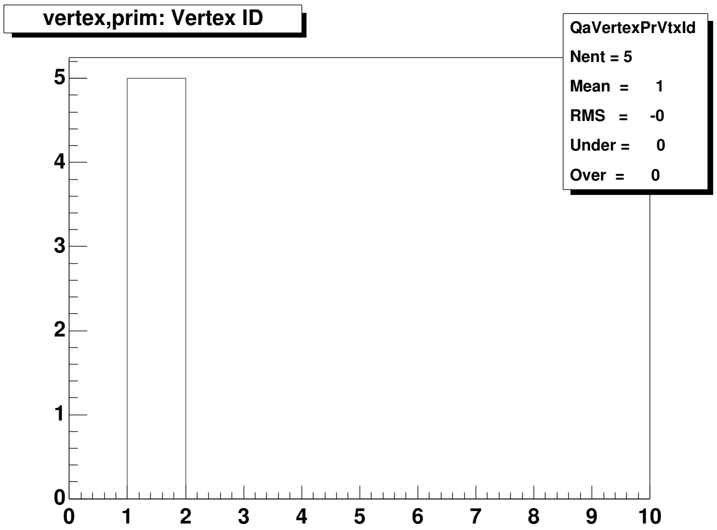

vertex: x
QaVertexX
Nent = 70
Mean = -0.8368
RMS = 8.655
Under = 20
Over = 38

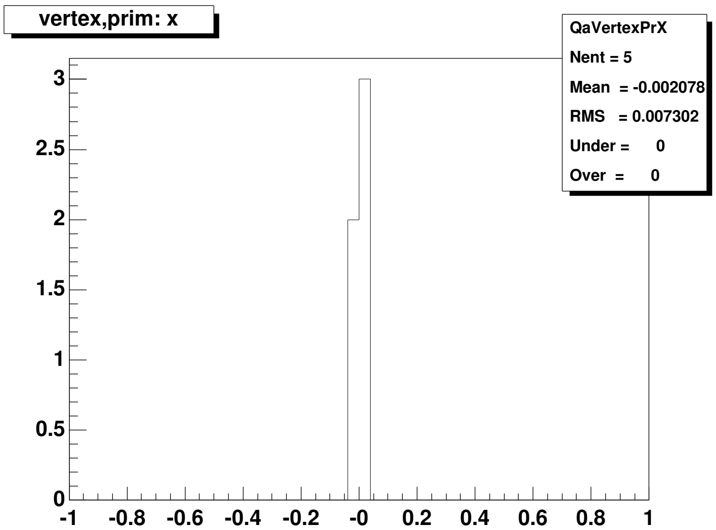

vertex: y
QaVertexY
Nent = 70
Mean = -2.595
RMS = 11.27
Under = 25
Over = 31

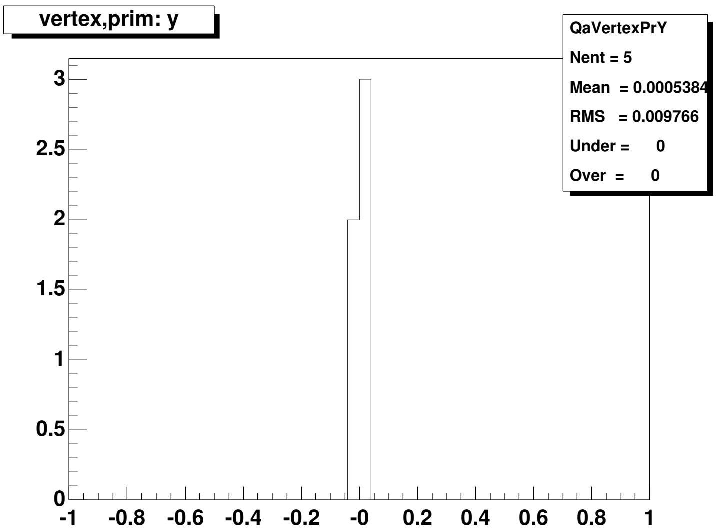

vertex: z
QaVertexZ
Nent = 70
Mean = 0.1221
RMS = 29.86
Under = 24
Over = 20
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
-50
-40
-30
-20
-10
0
10
20
30
40
50

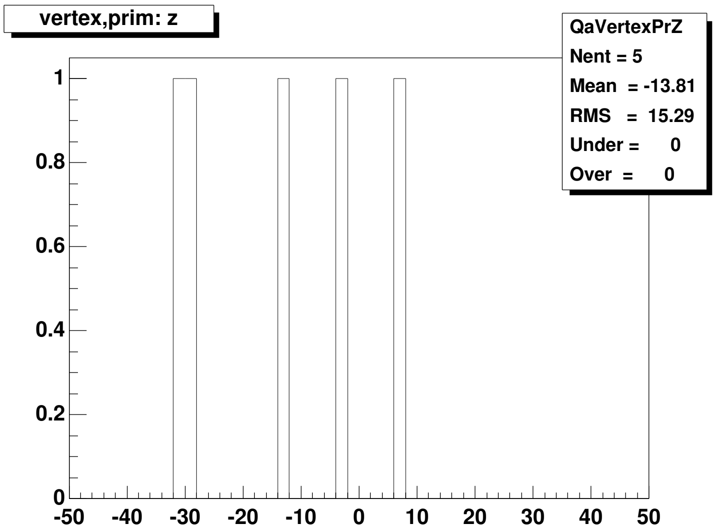

vertex: chisq/dof
QaVertexChisq
Nent = 70
Mean = 0
RMS = -0
Under = 0
Over = 0
0
10
20
30
40
50
60
70
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5

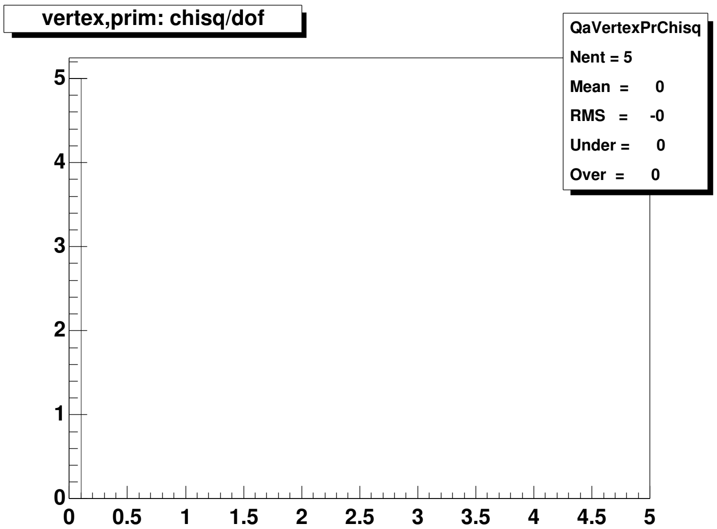

vertex,prim: Detector ID
QaVertexPrDetId
Nent = 5
Mean = 3
RMS = -0
Under = 0
Over = 0
0
1
2
3
4
5
0
5
10
15
20
25
30
35
40


vertex,prim: Vertex ID
QaVertexPrVtxId
Nent = 5
Mean = 1
RMS = -0
Under = 0
Over = 0
0
1
2
3
4
5
0
1
2
3
4
5
6
7
8
9
10


vertex,prim: x
QaVertexPrX
Nent = 5
Mean = -0.002078
RMS = 0.007302
Under = 0
Over = 0
0
0.5
1
1.5
2
2.5
3
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1


vertex,prim: y
QaVertexPrY
Nent = 5
Mean = 0.0005384
RMS = 0.009766
Under = 0
Over = 0
0
0.5
1
1.5
2
2.5
3
-1
-0.8
-0.6
-0.4
-0.2
-0
0.2
0.4
0.6
0.8
1


vertex,prim: z
QaVertexPrZ
Nent = 5
Mean = -13.81
RMS = 15.29
Under = 0
Over = 0
1
0.8
0.6
0.4
0.2
0
-50
-40
-30
-20
-10
0
10
20
30
40
50


vertex,prim: chisq/dof
QaVertexPrChisq
Nent = 5
Mean = 0
RMS = -0
Under = 0
Over = 0
5
4
3
2
1
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5