

PicoDst QA AuAu 200 GeV reProdu

File: picoQA.AuAu200GeV.test.root

Number of events:

256

238 after cuts

Event Cuts: Library->SL16d

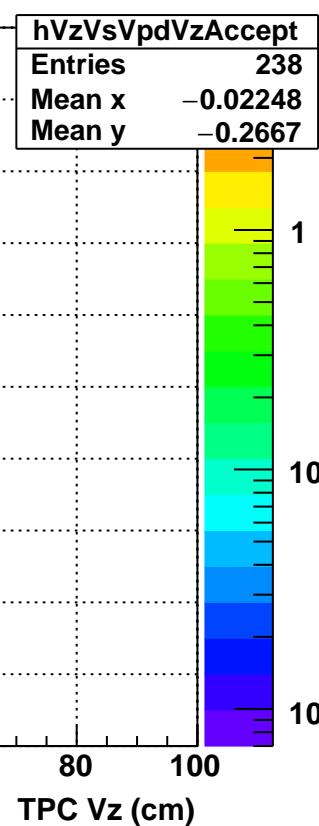
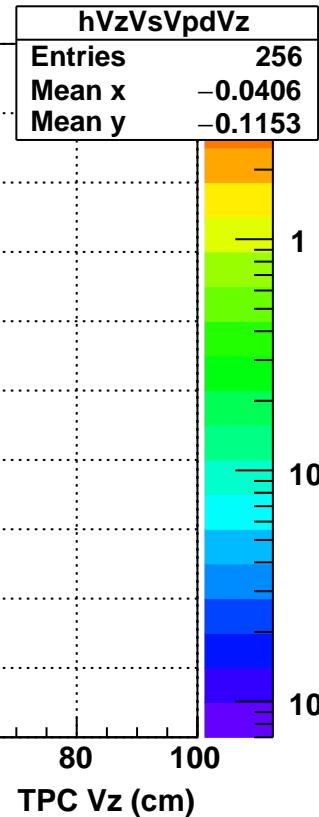
$|V_z| < 6 \text{ cm}$, $|\Delta V_z| < 3\text{cm}$, $\text{refMult} > 0$

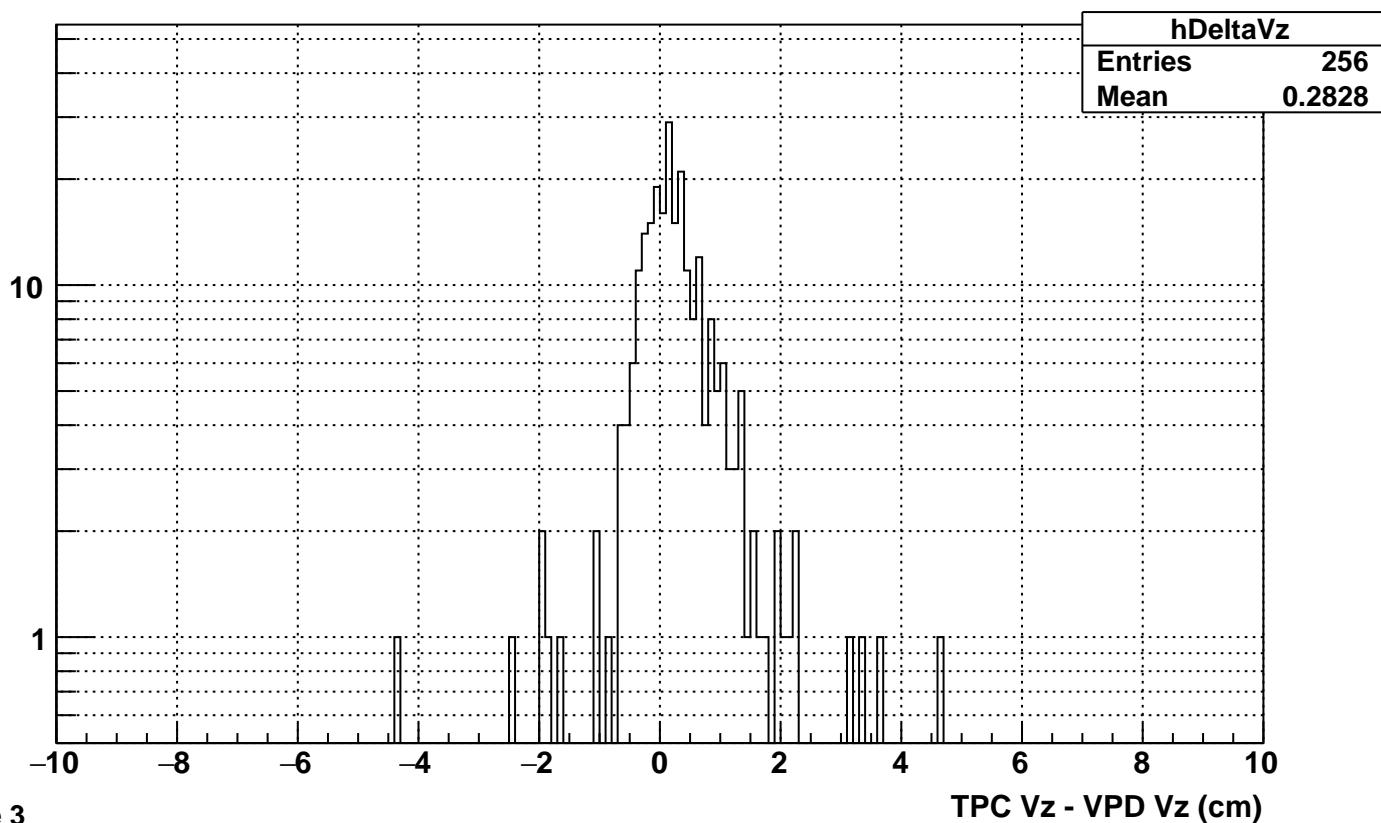
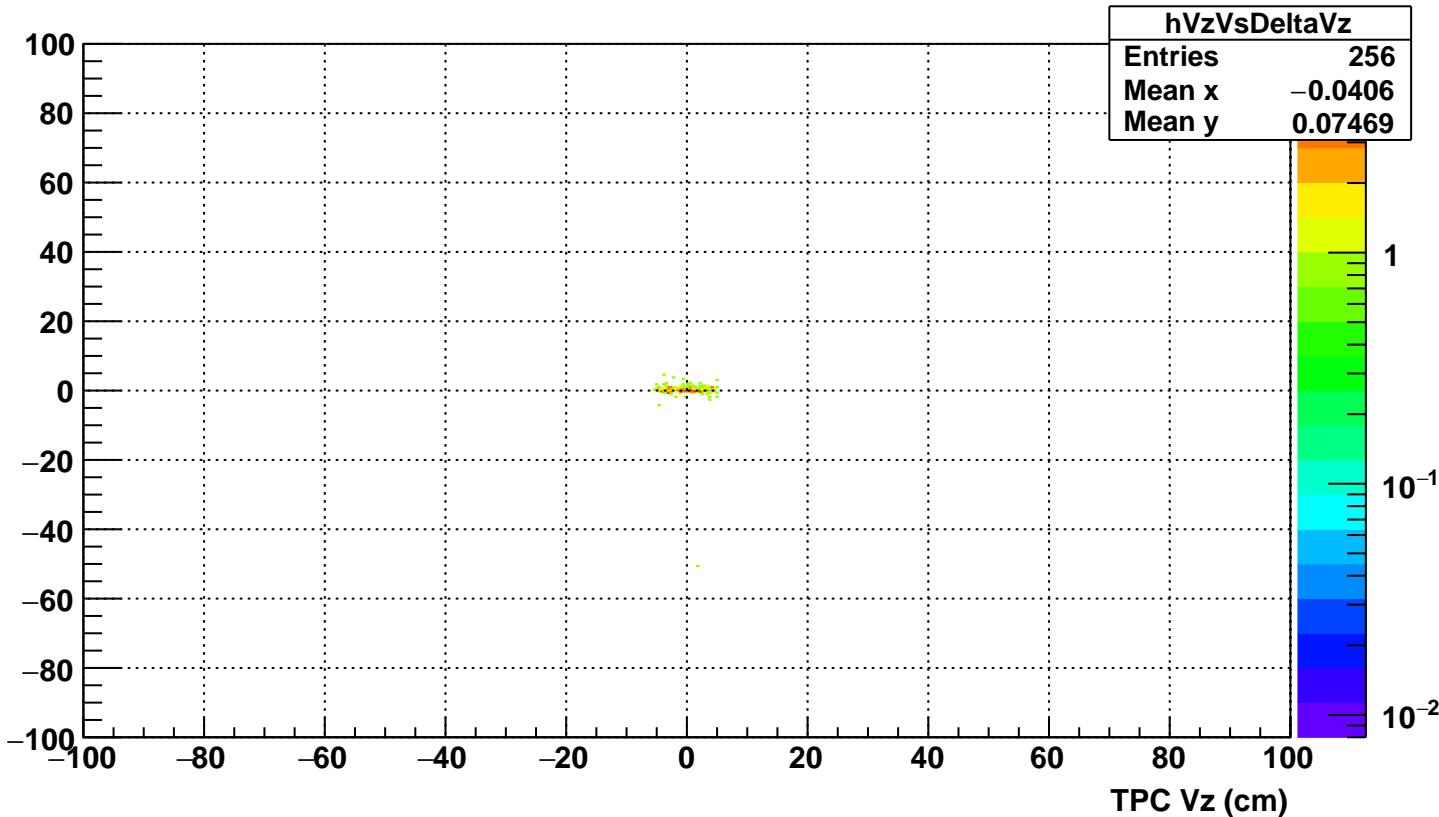
VPDMB-5-p Trigger

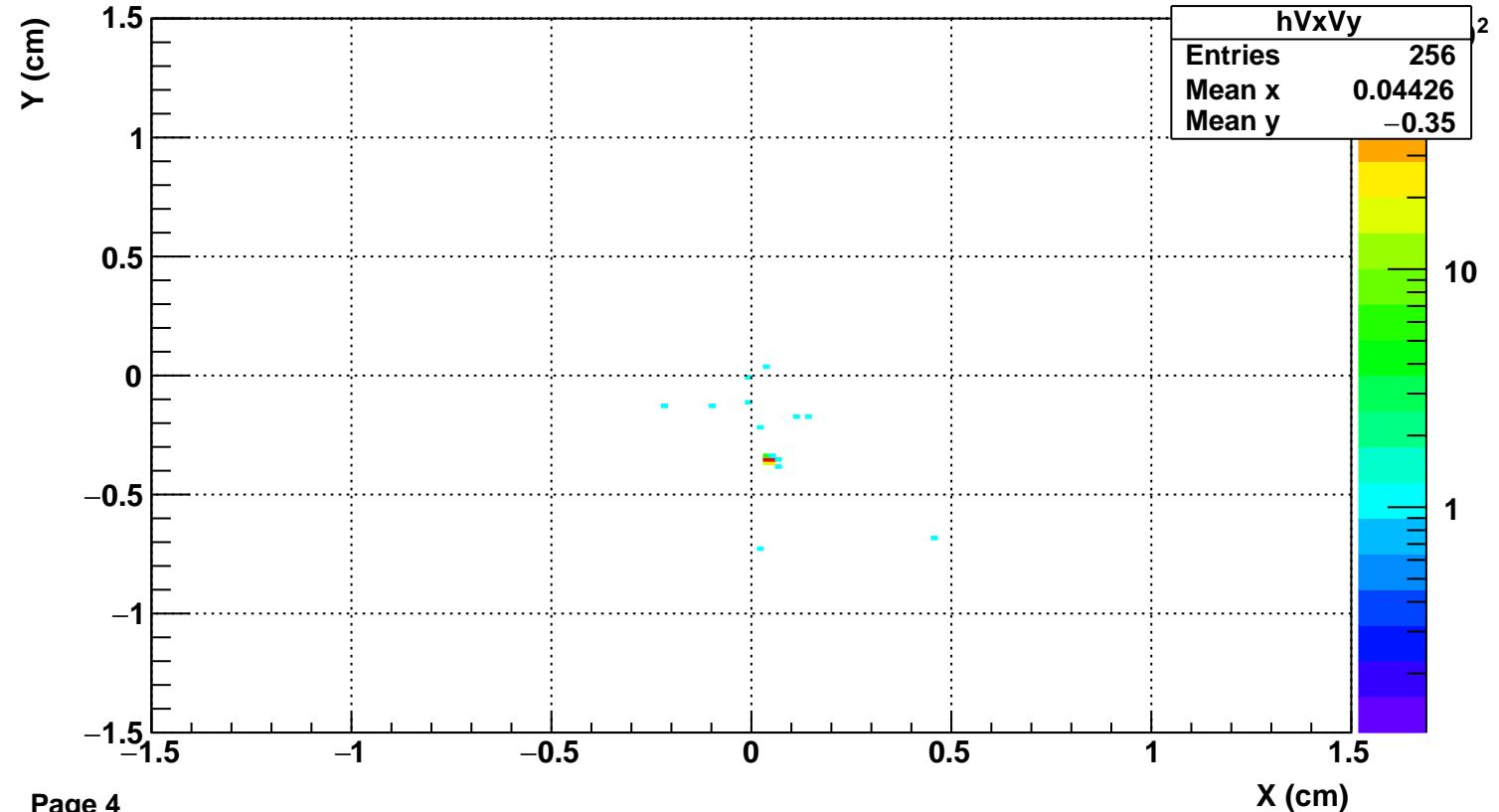
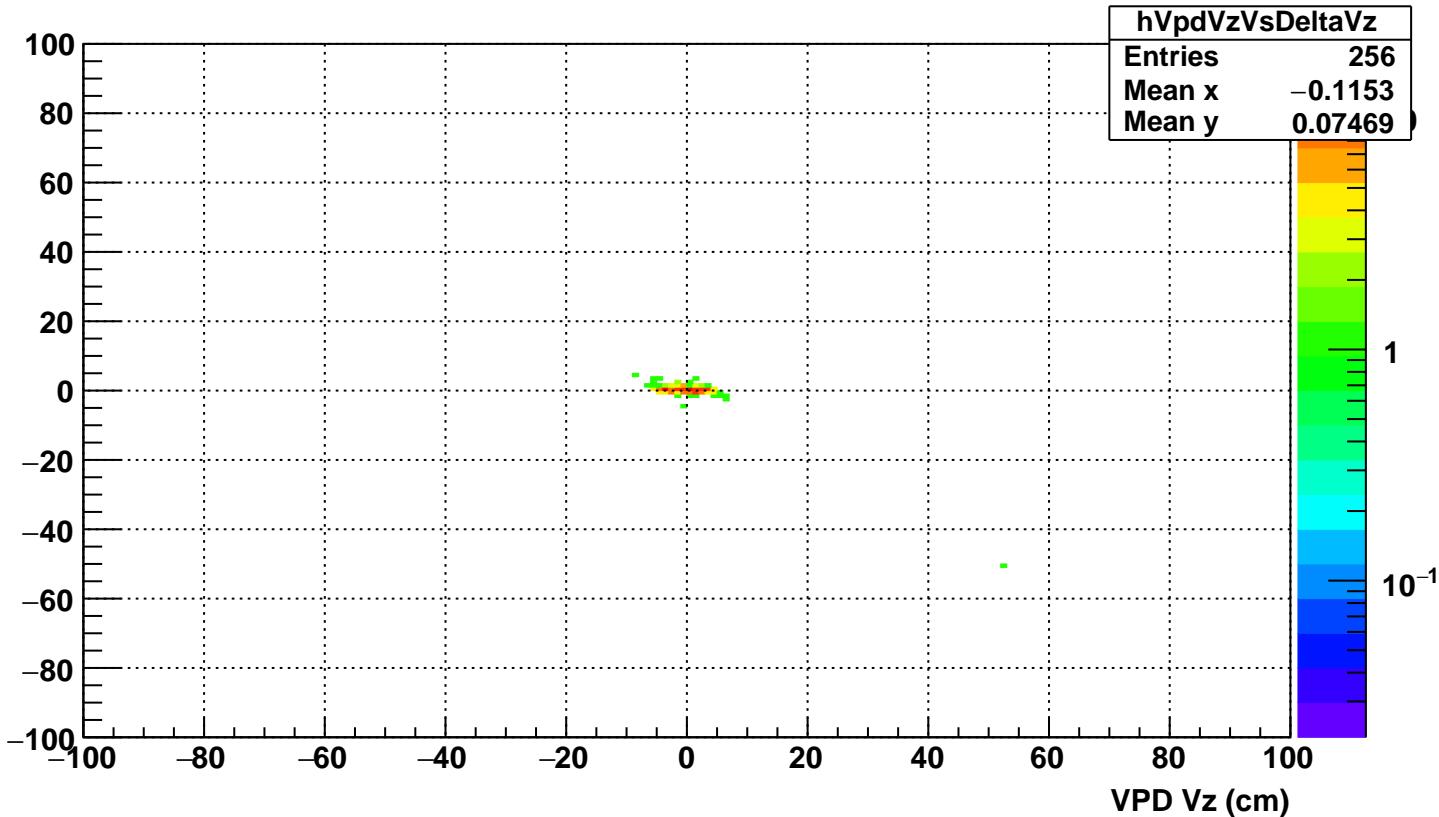
Track Cuts:

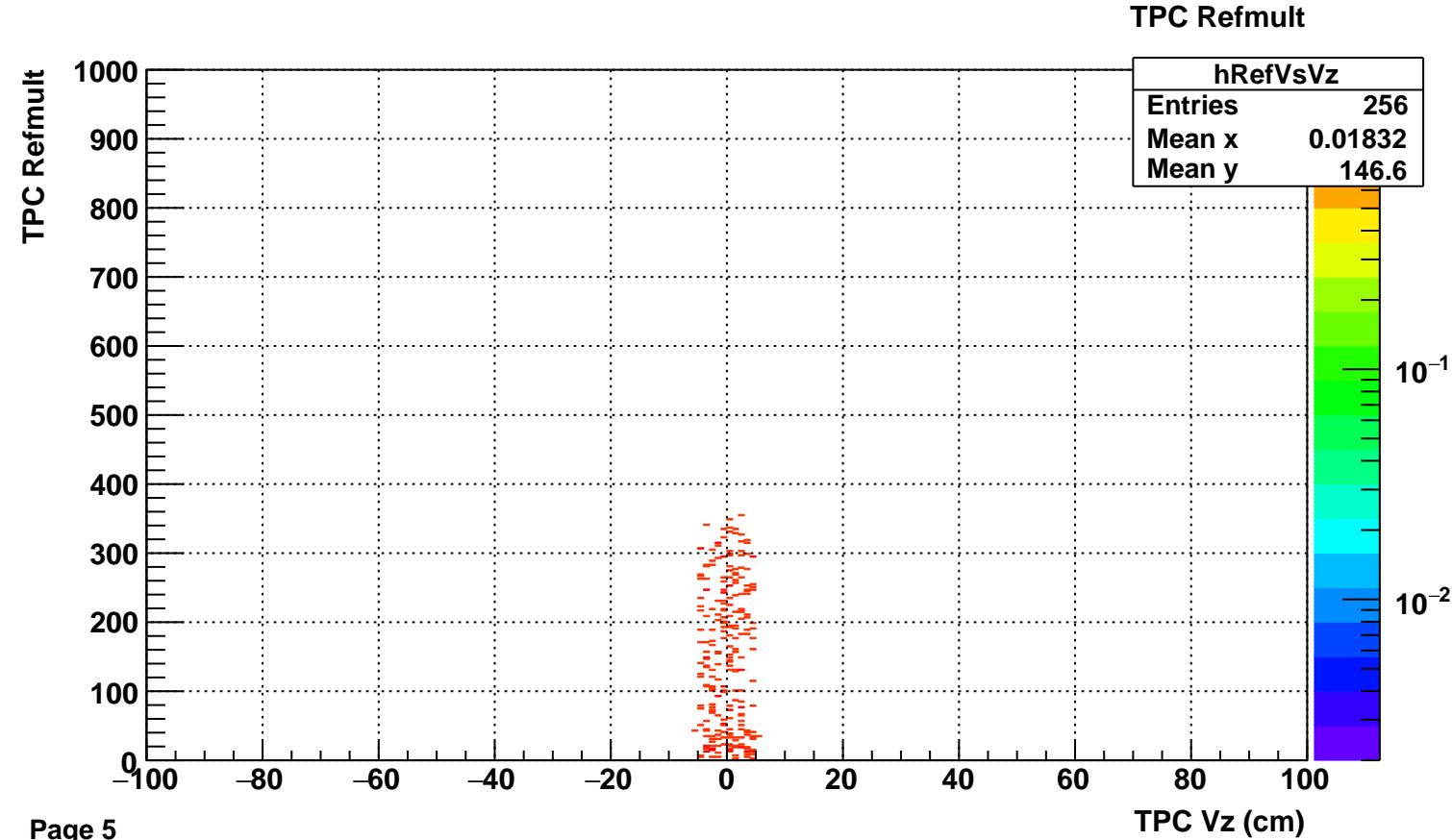
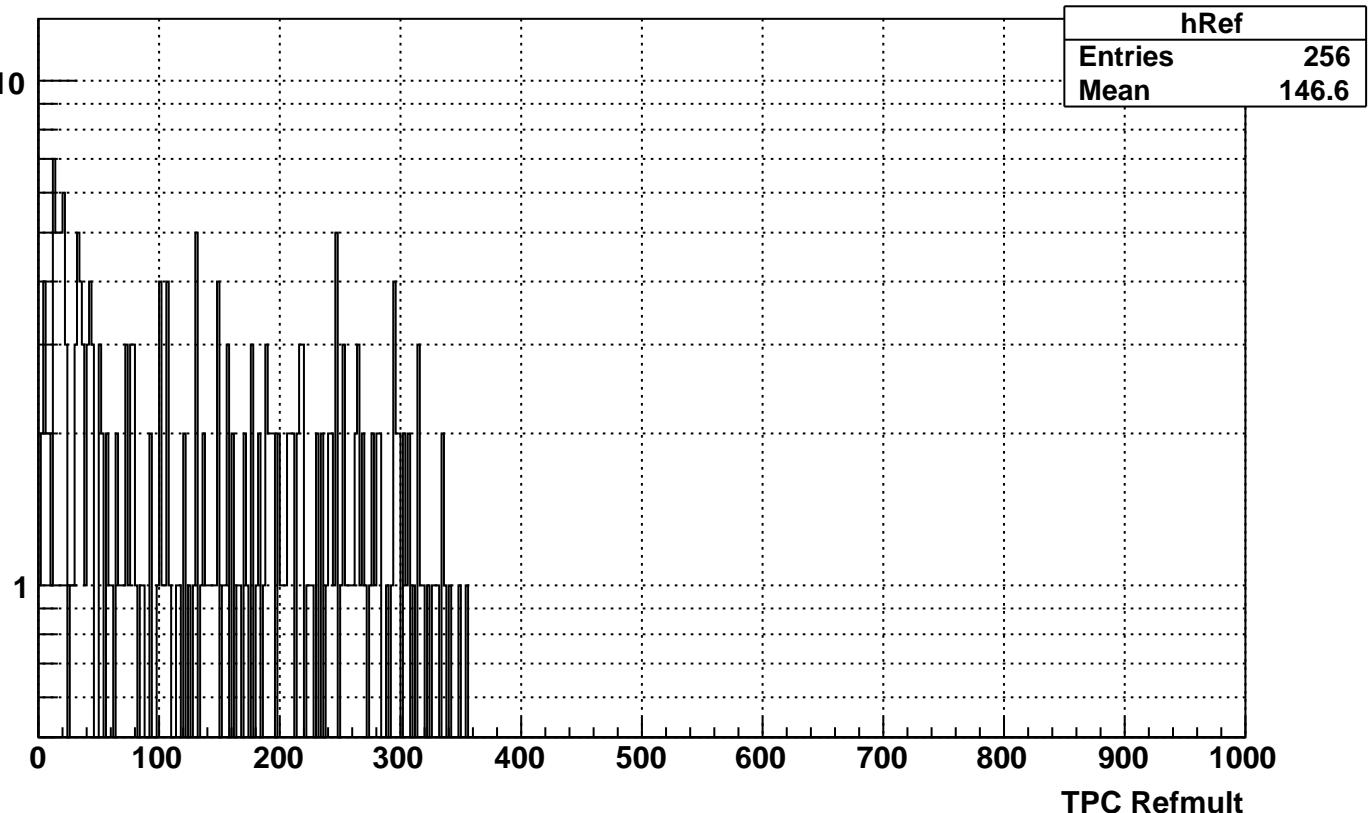
$\text{Dca} < 3.0 \text{ cm}$, Match Tof

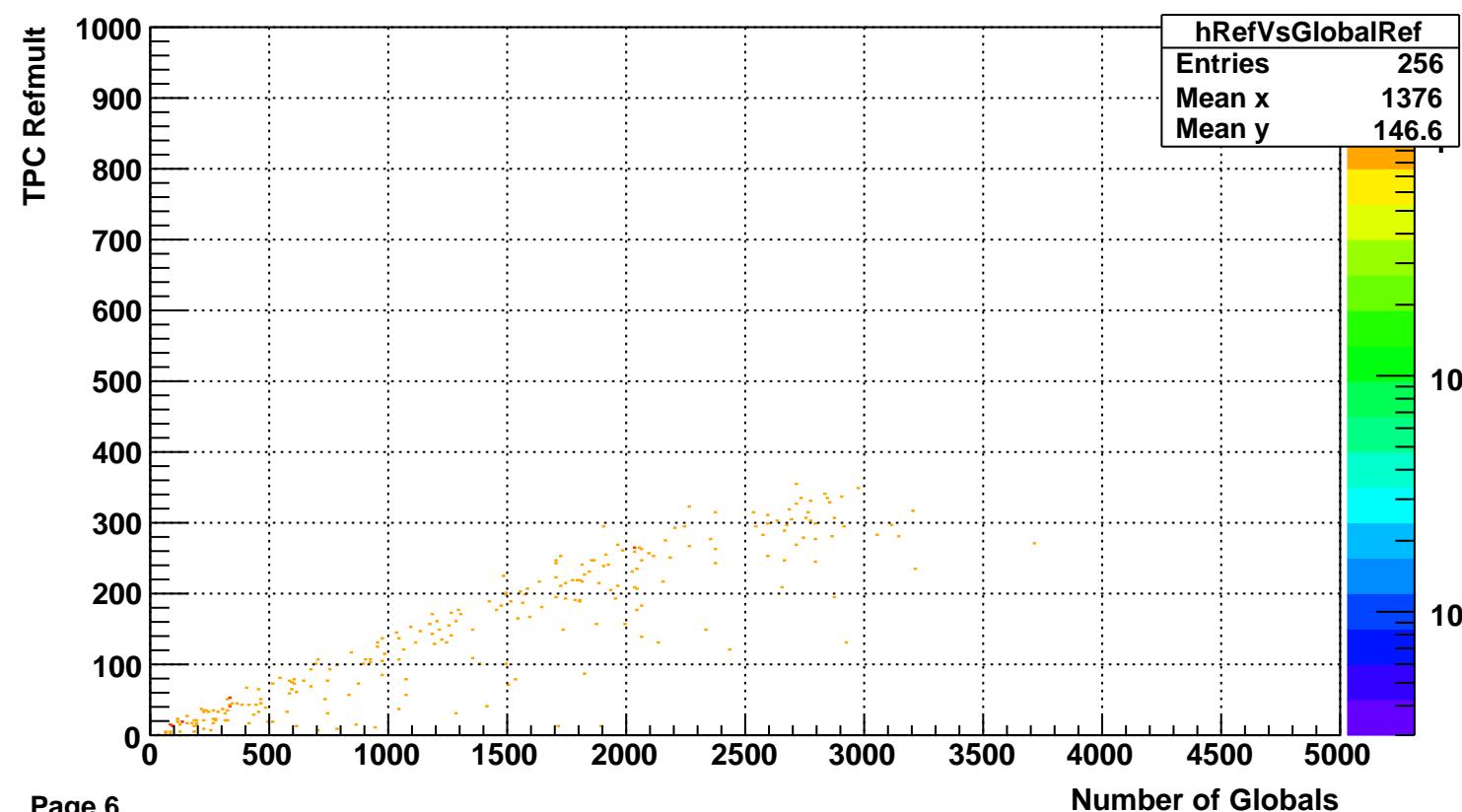
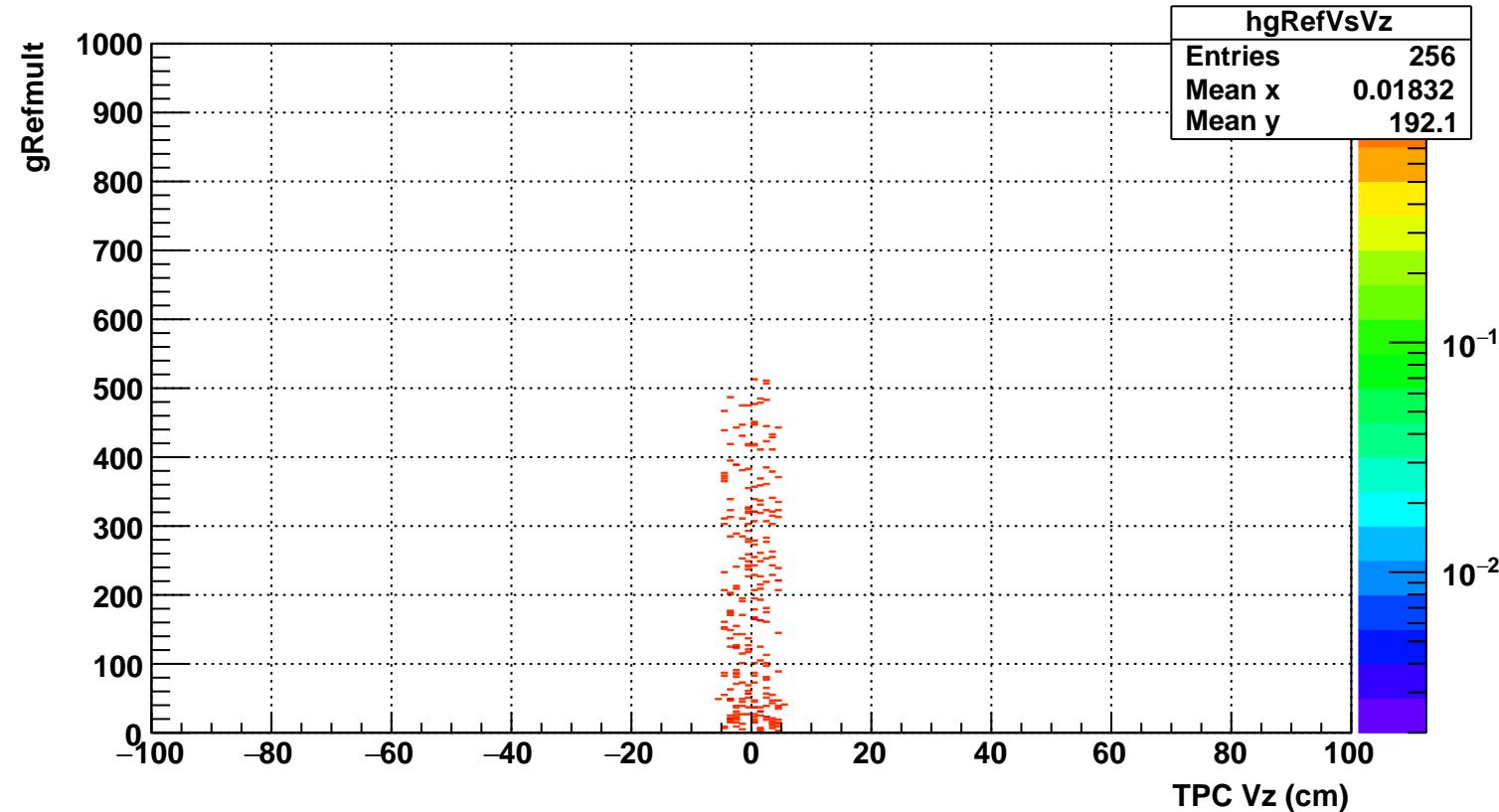
$p_T > 0.15 \text{ GeV}$, $|\eta| < 1.0$, $\text{nHits} > 25$,
 $\text{nDedxHits} > 11$



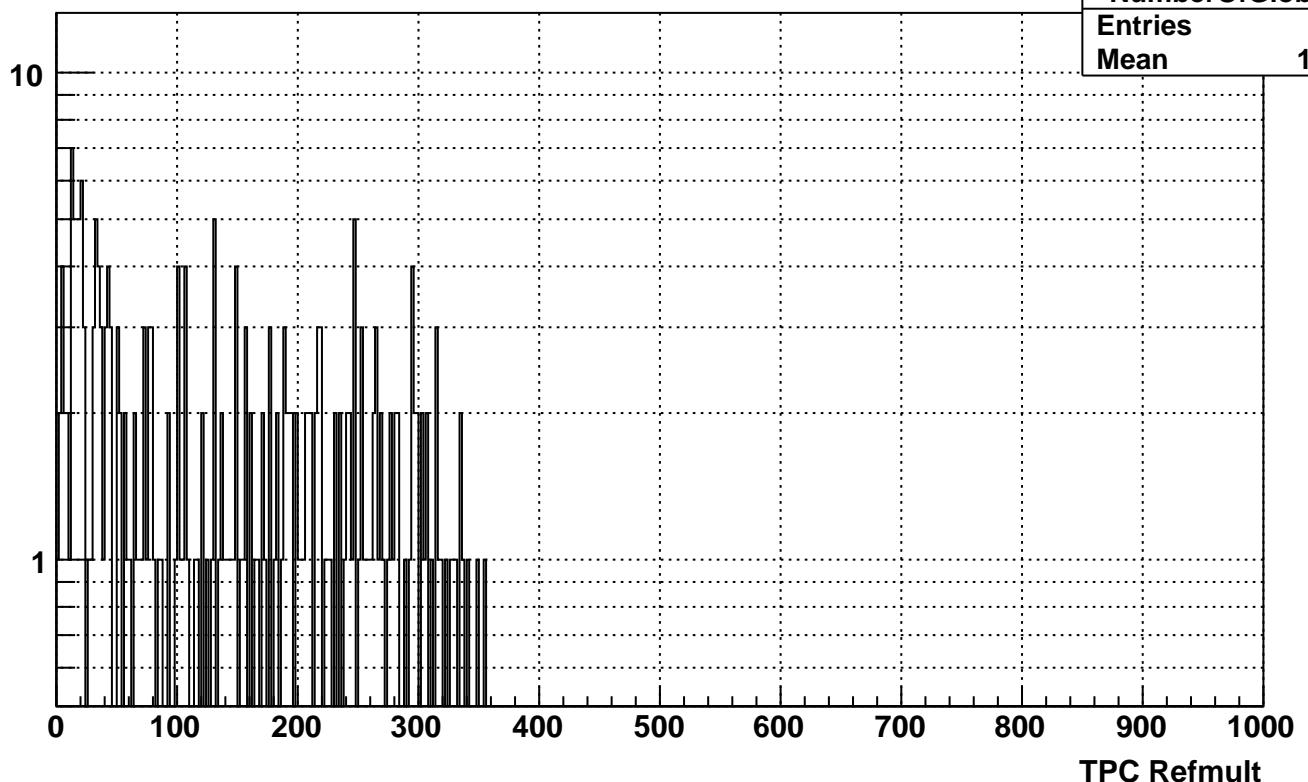




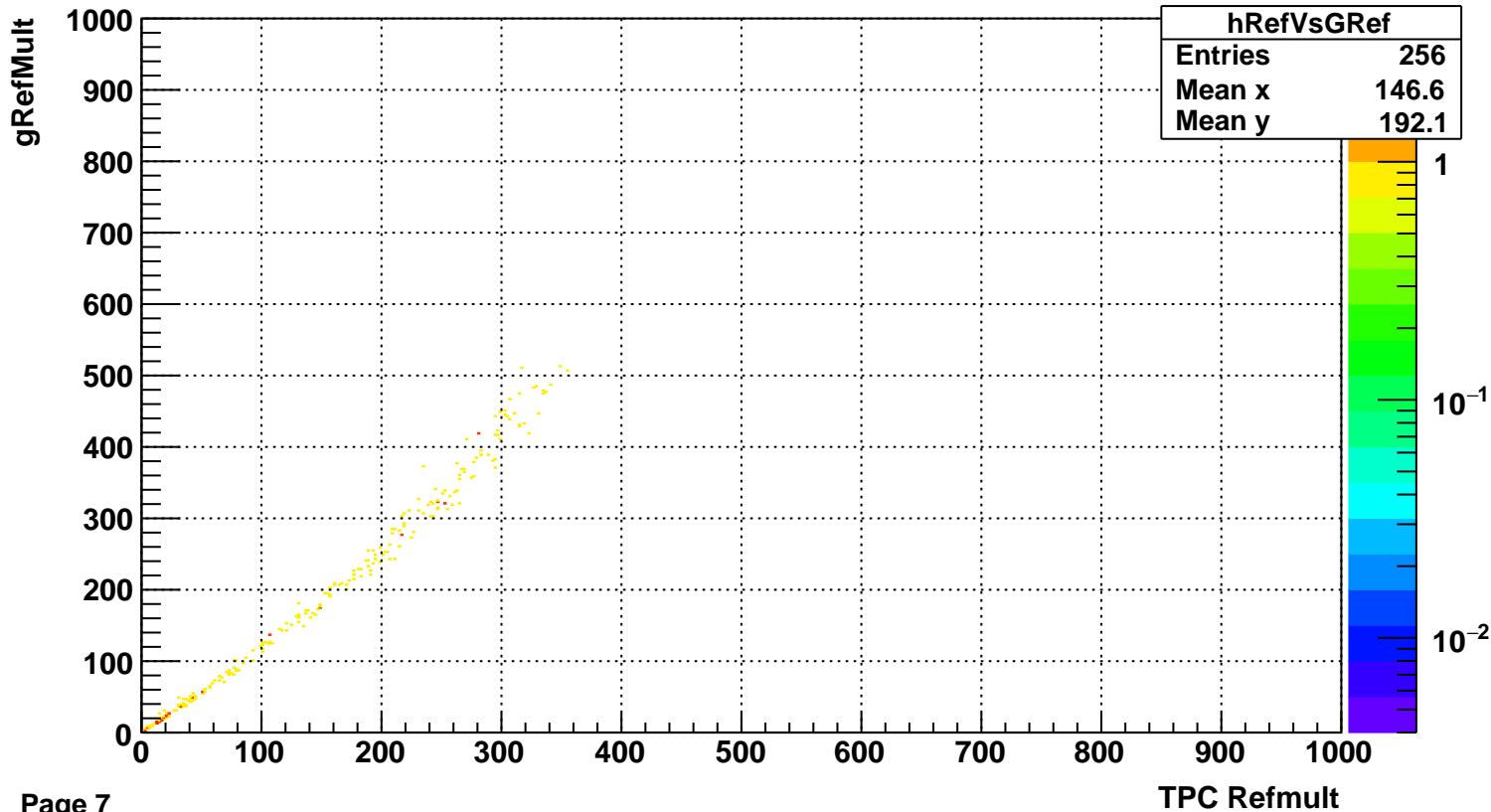




NumberOfGlobals
Entries 256
Mean 146.6

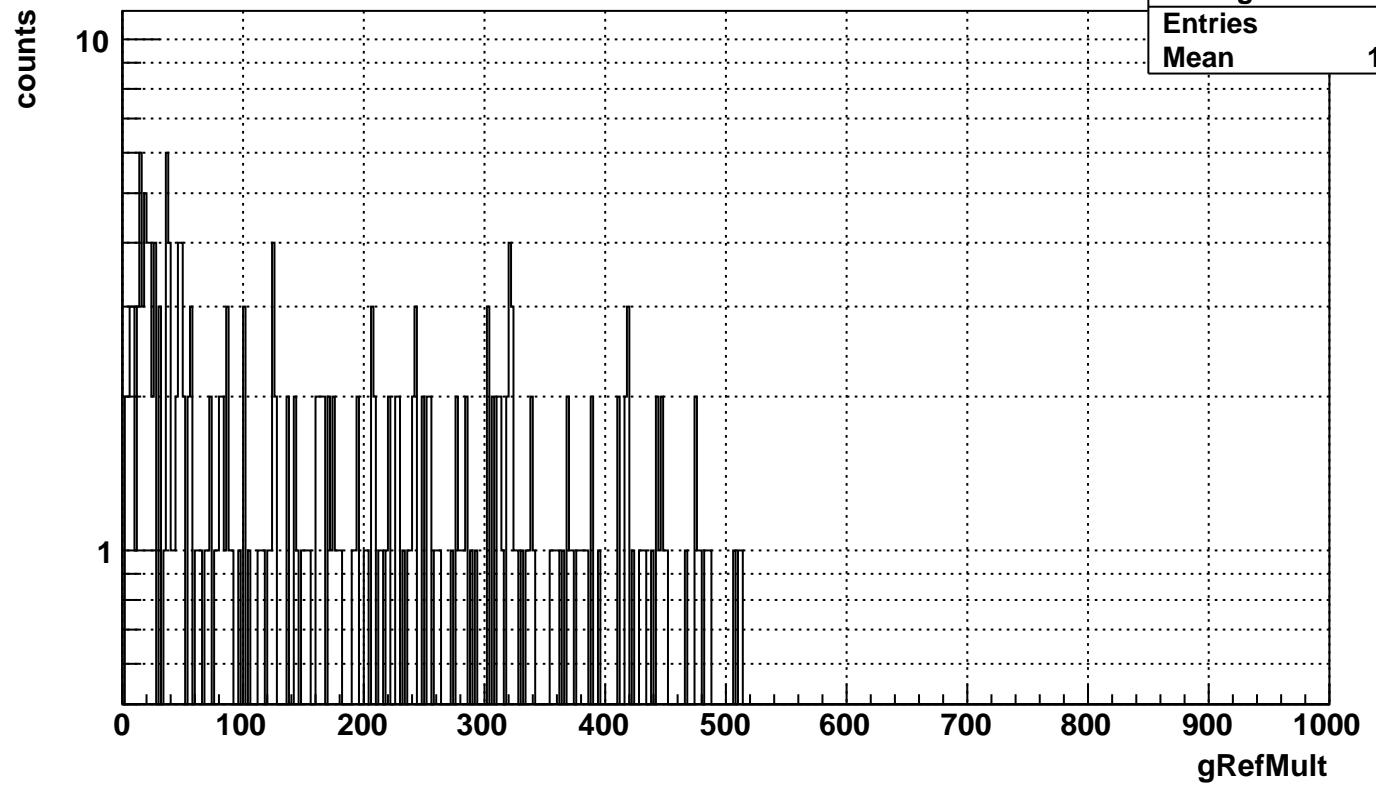


hRefVsGRef
Entries 256
Mean x 146.6
Mean y 192.1



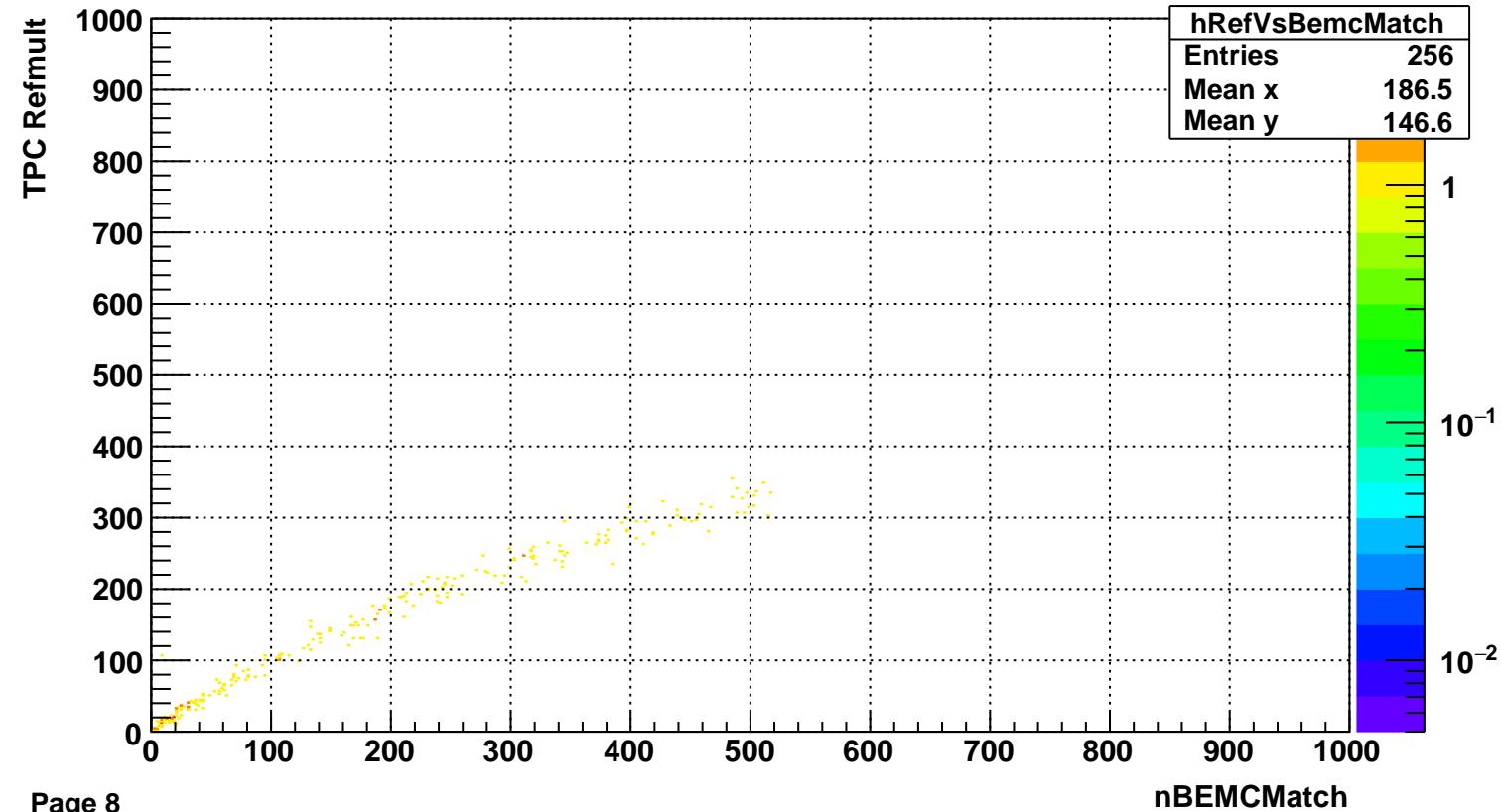
gRefMult

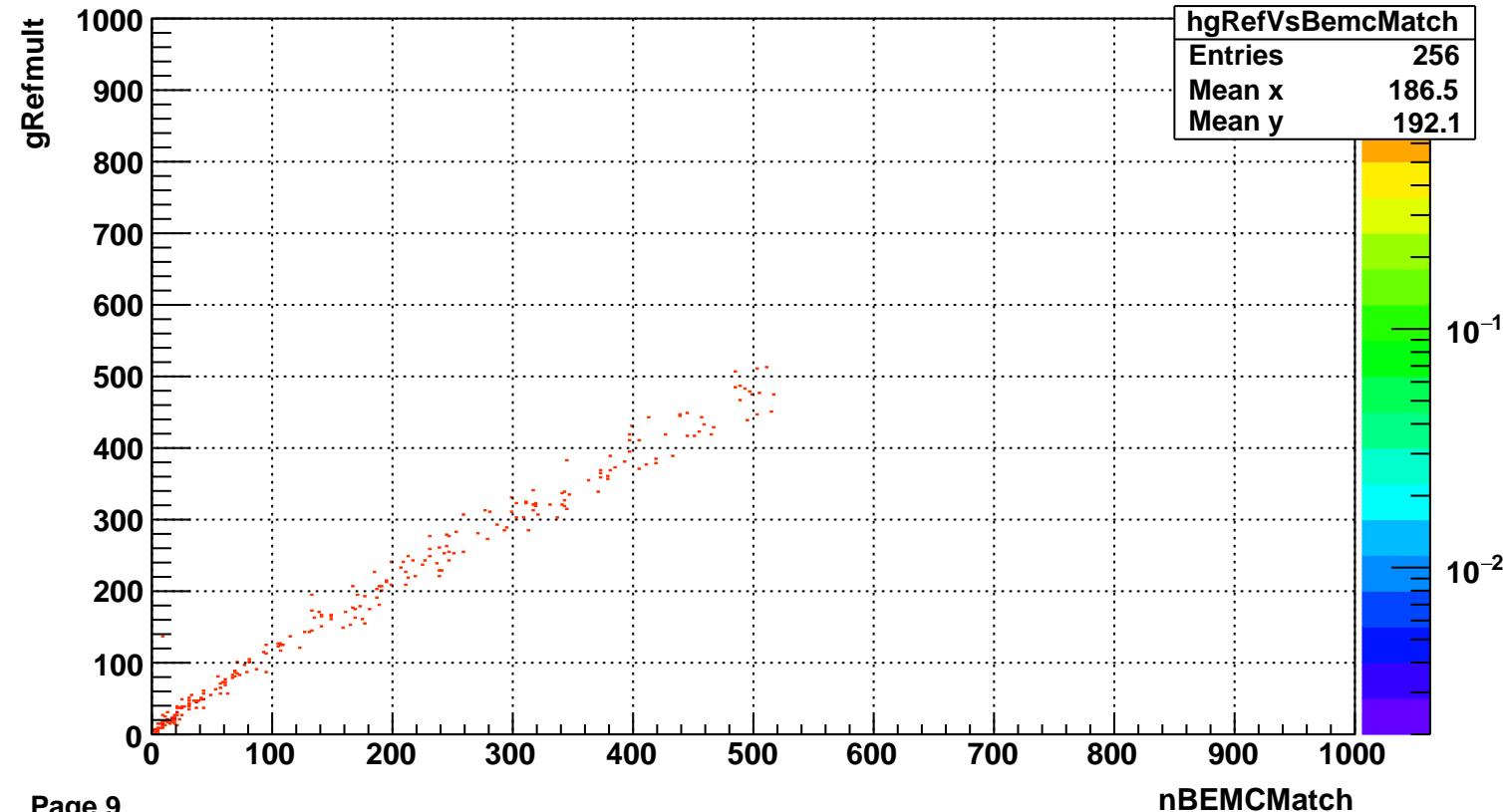
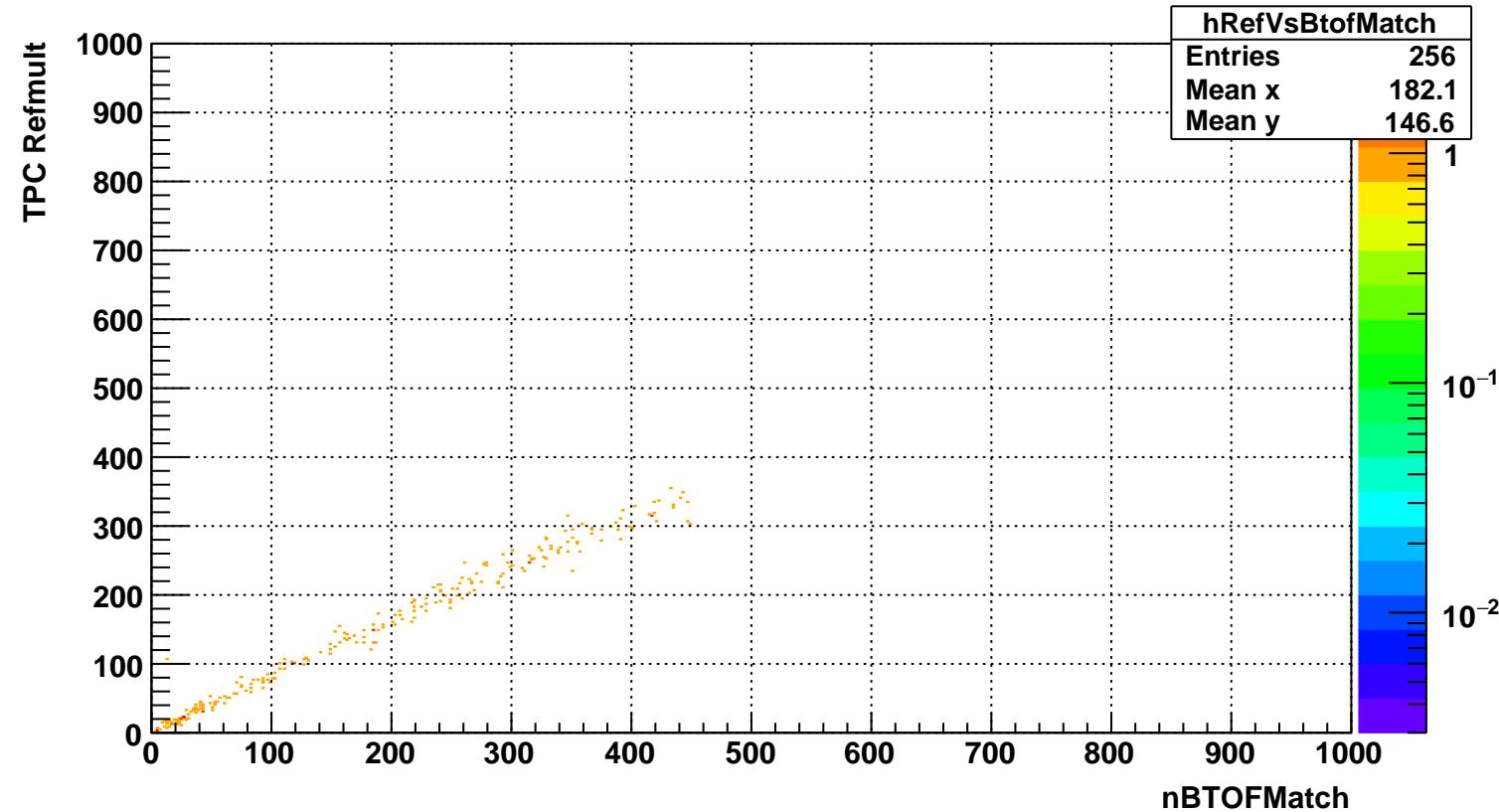
Entries	256
Mean	192.1



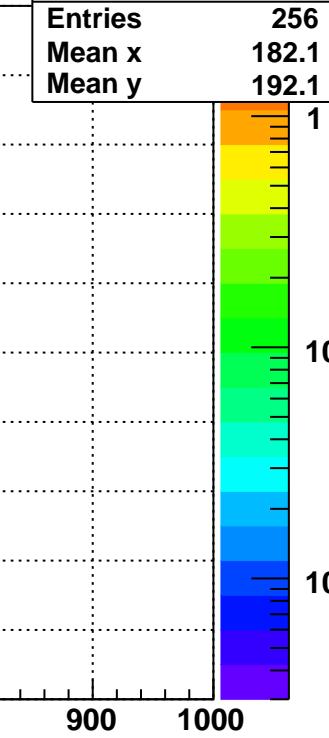
hRefVsBemcMatch

Entries	256
Mean x	186.5
Mean y	146.6

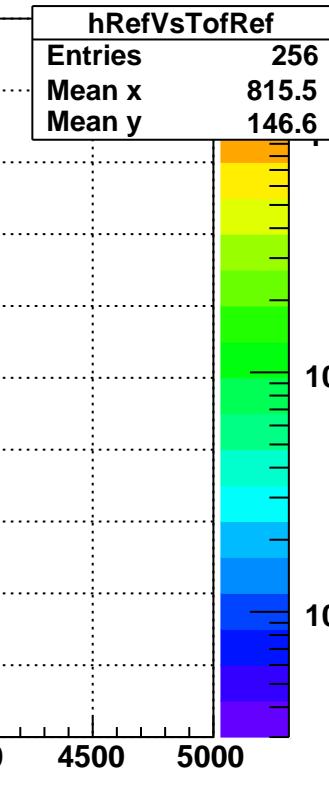


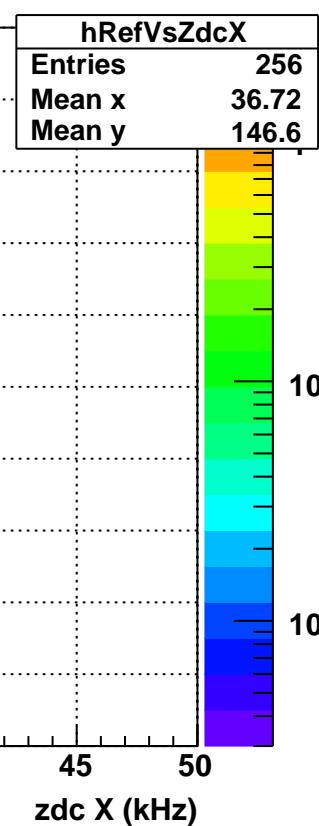
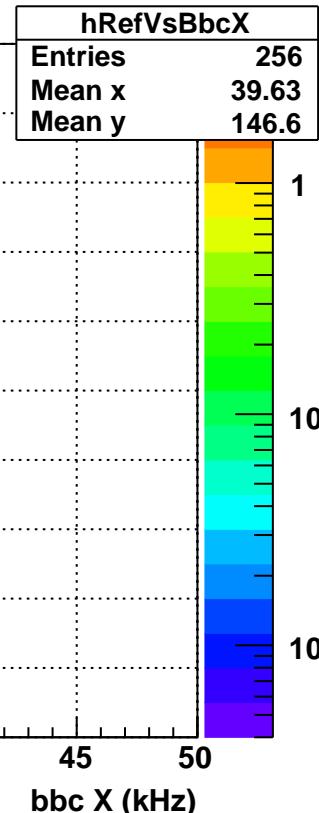


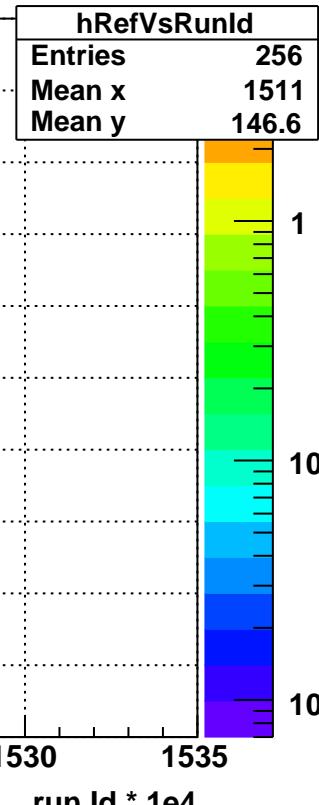
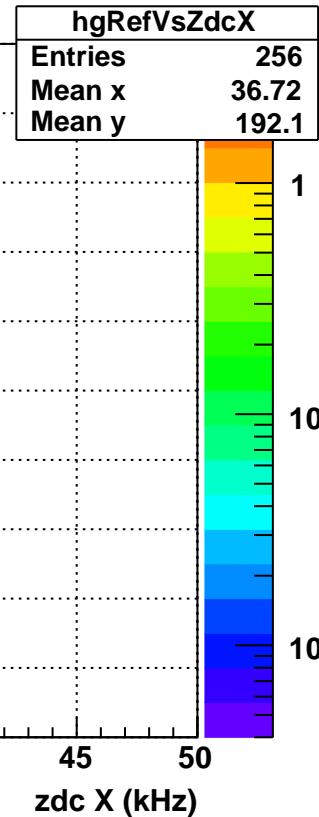
hgRefVsBtofMatch

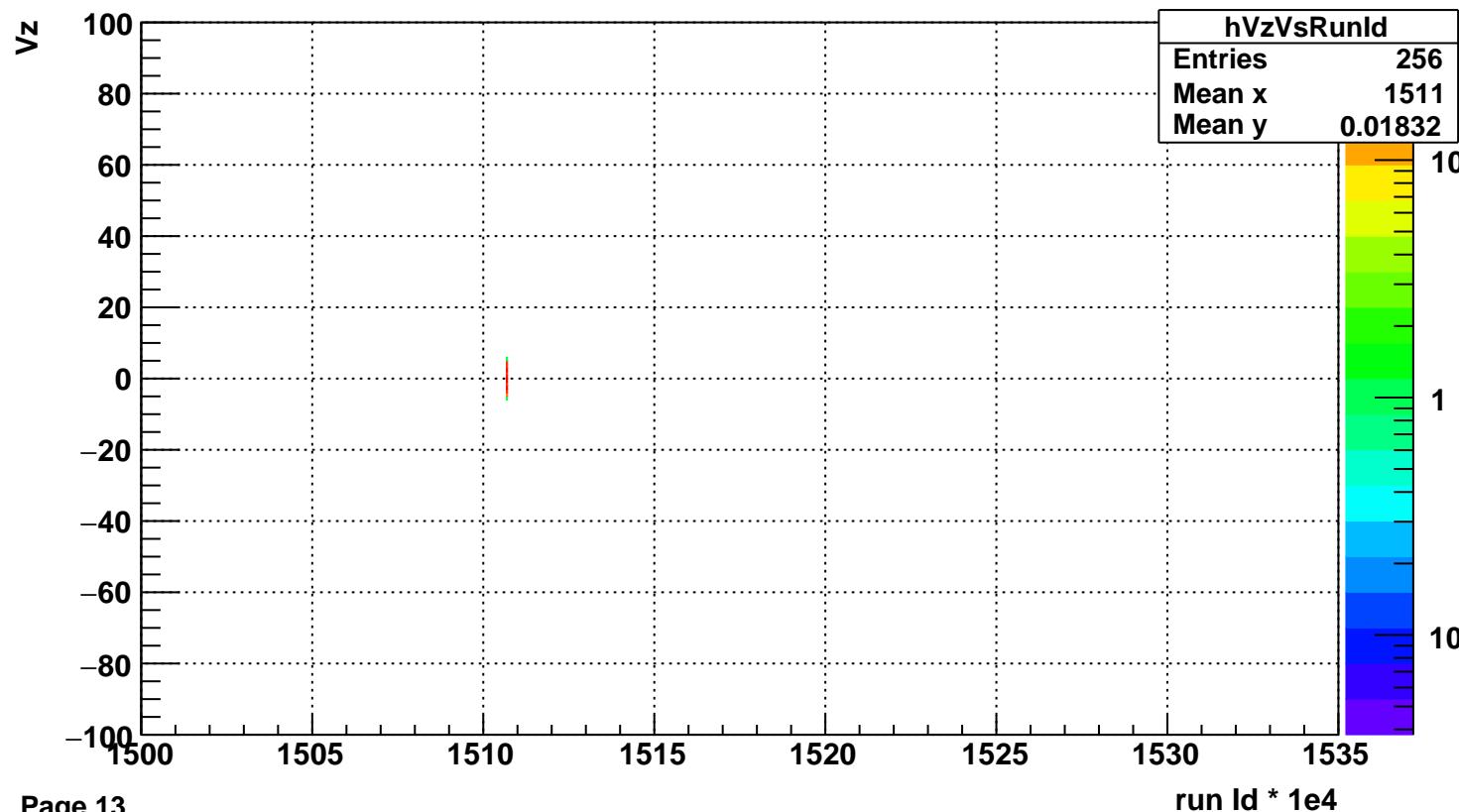
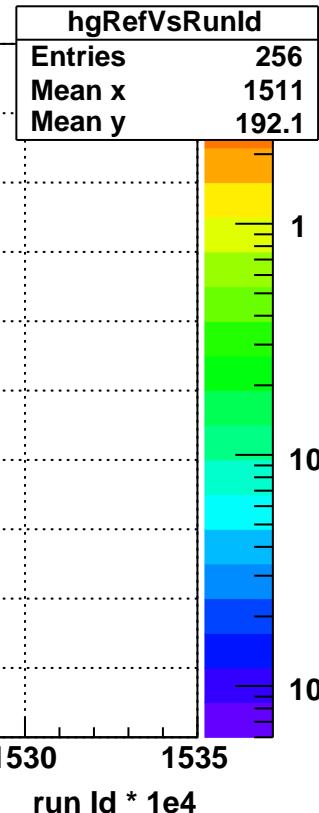


hRefVsTofRef

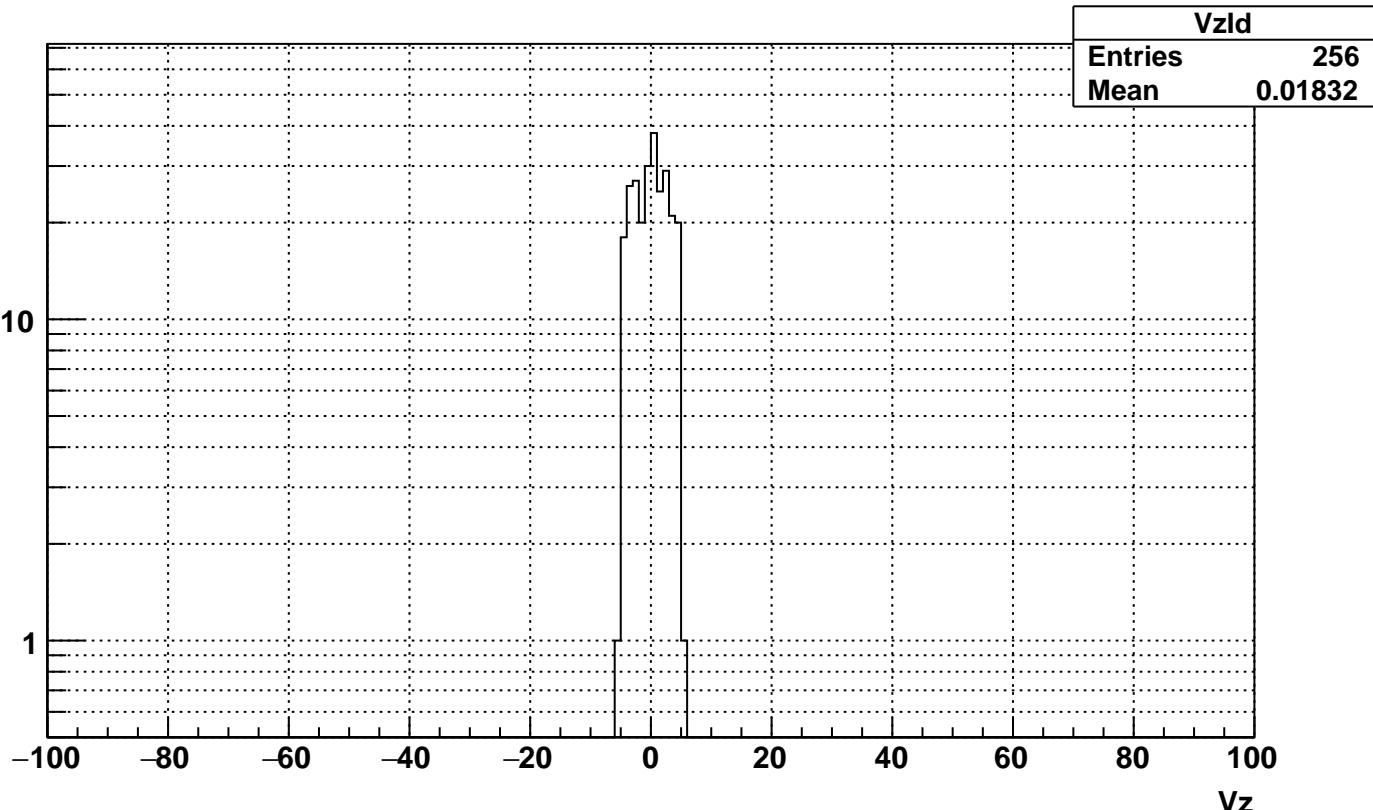




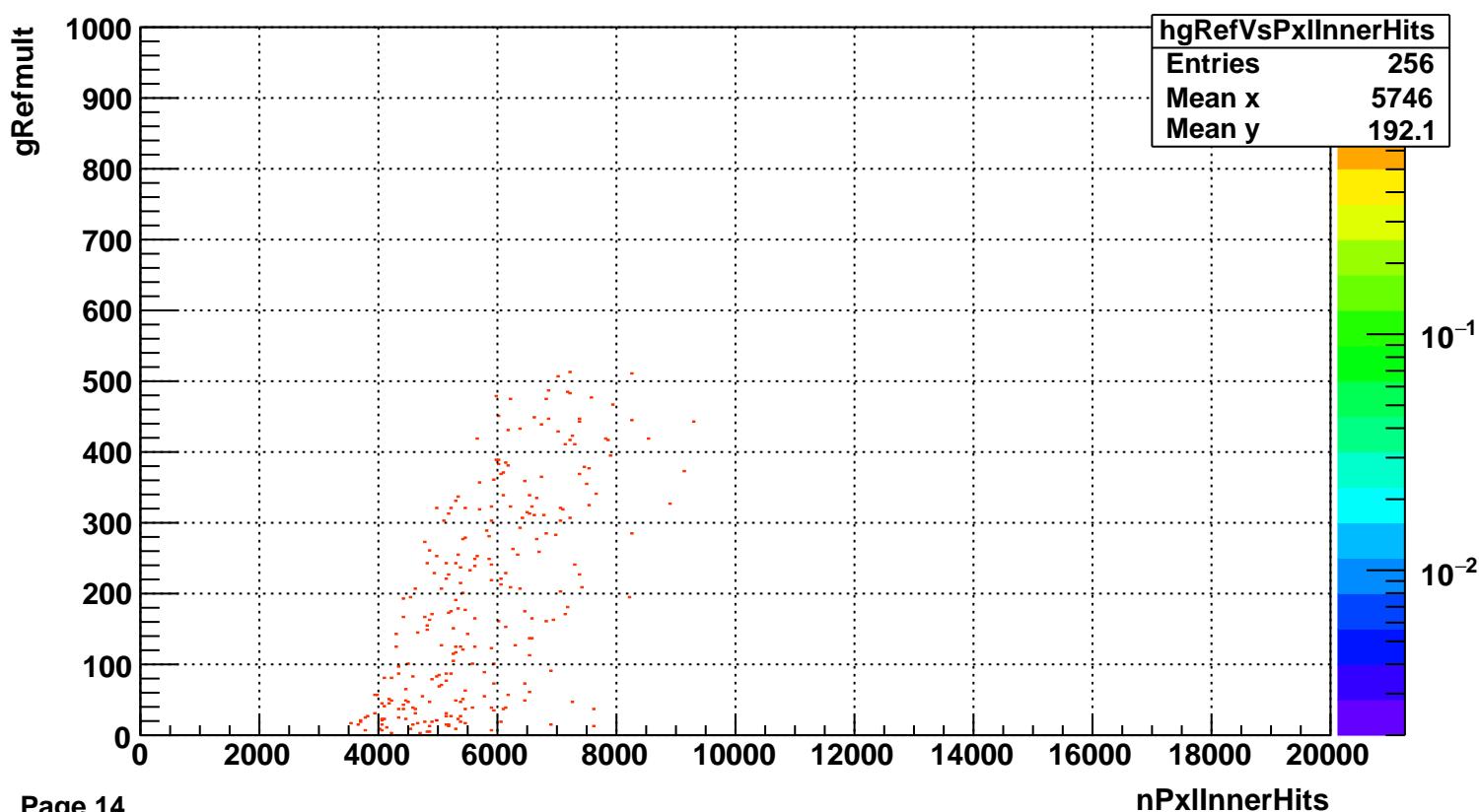




counts

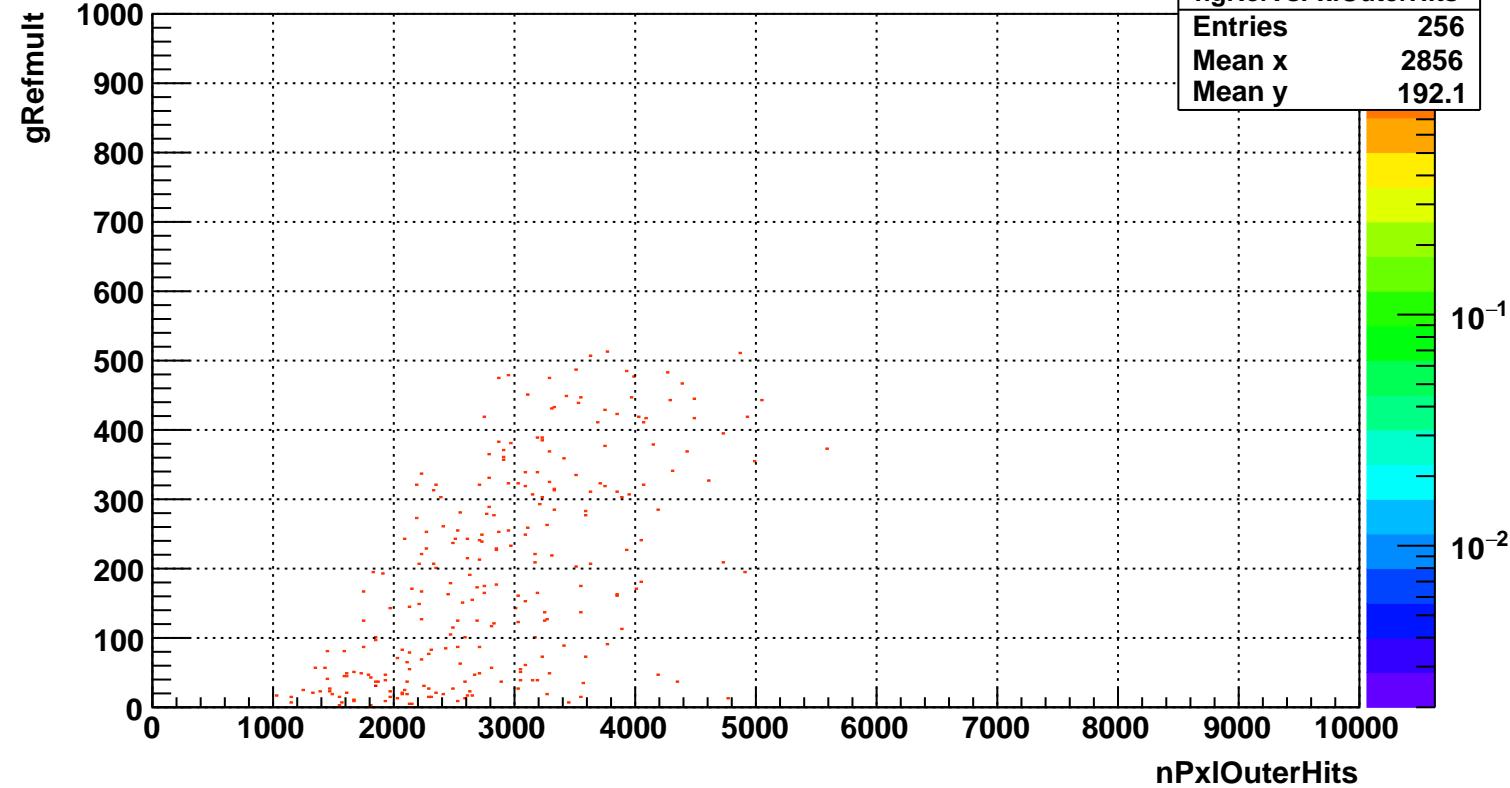


gRefm_{lt}



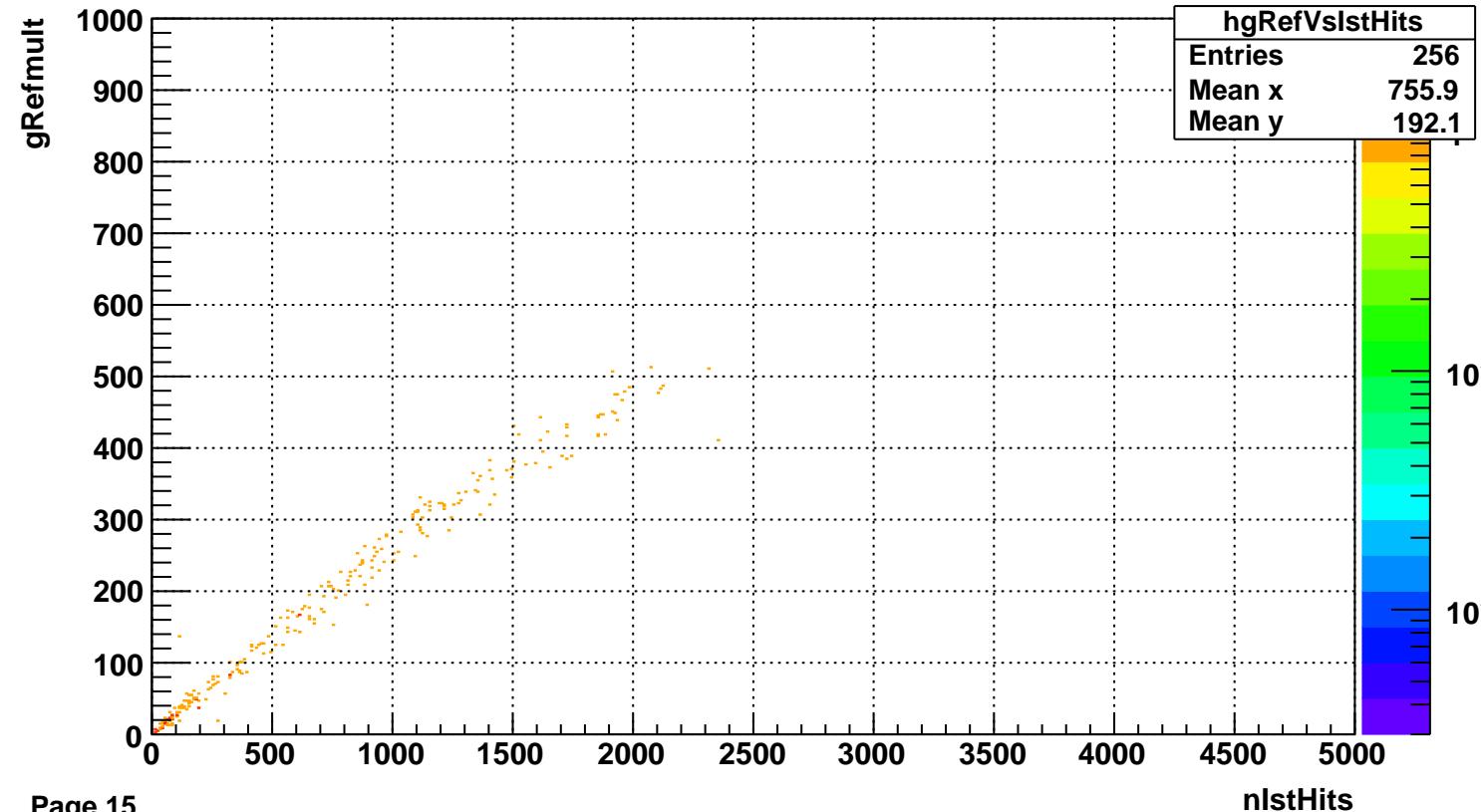
hgRefVsPxIOuterHits

Entries	256
Mean x	2856
Mean y	192.1

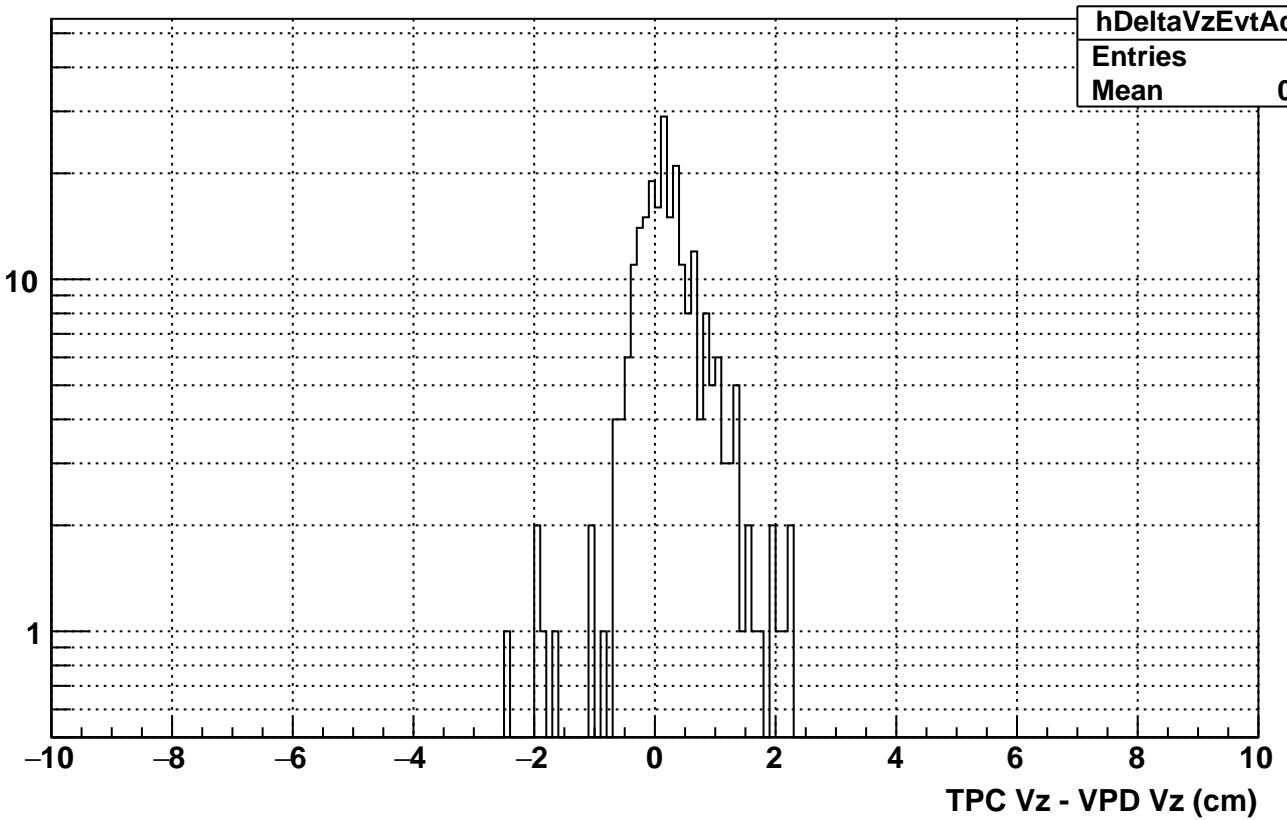


hgRefVsIstHits

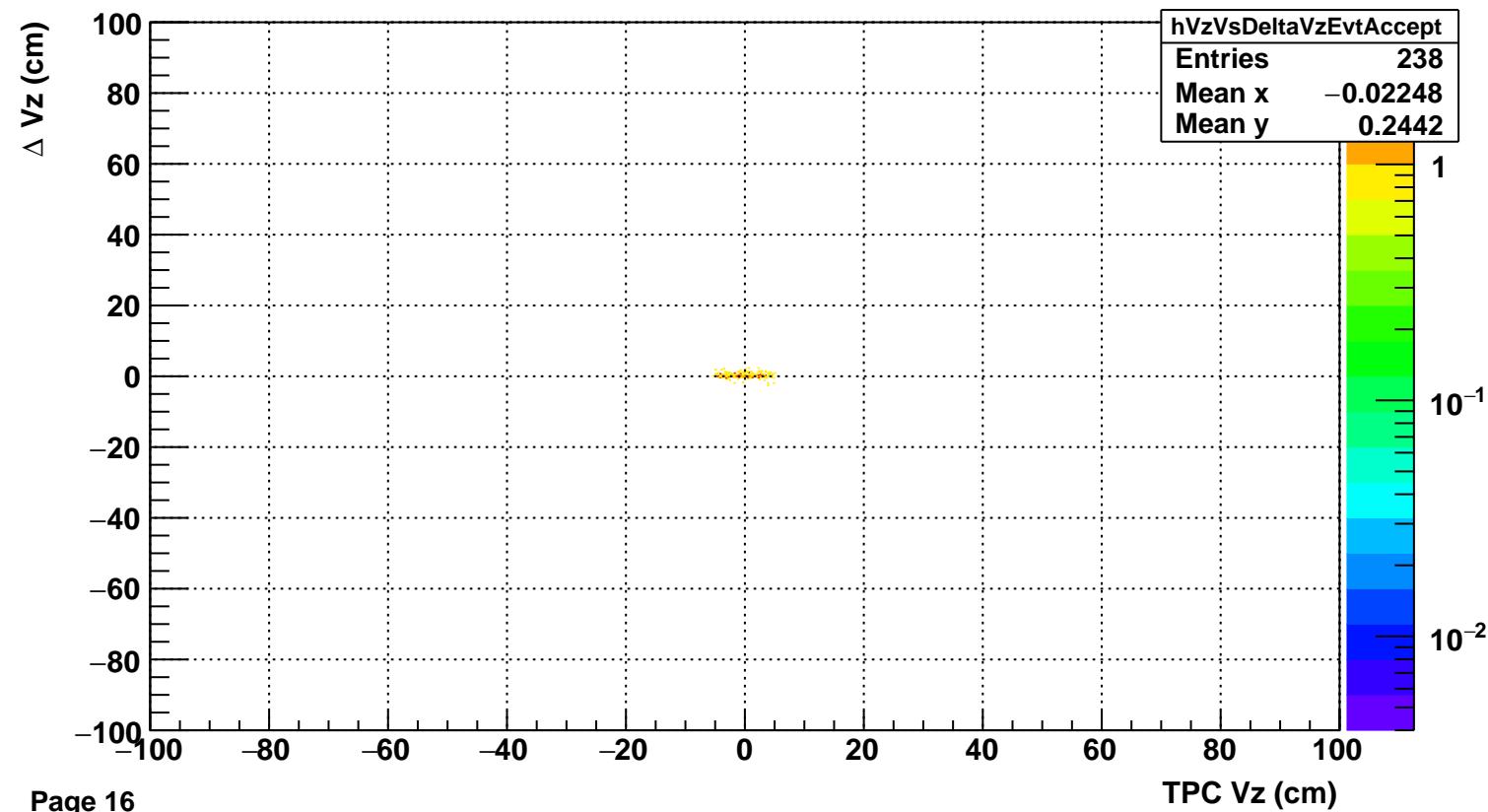
Entries	256
Mean x	755.9
Mean y	192.1

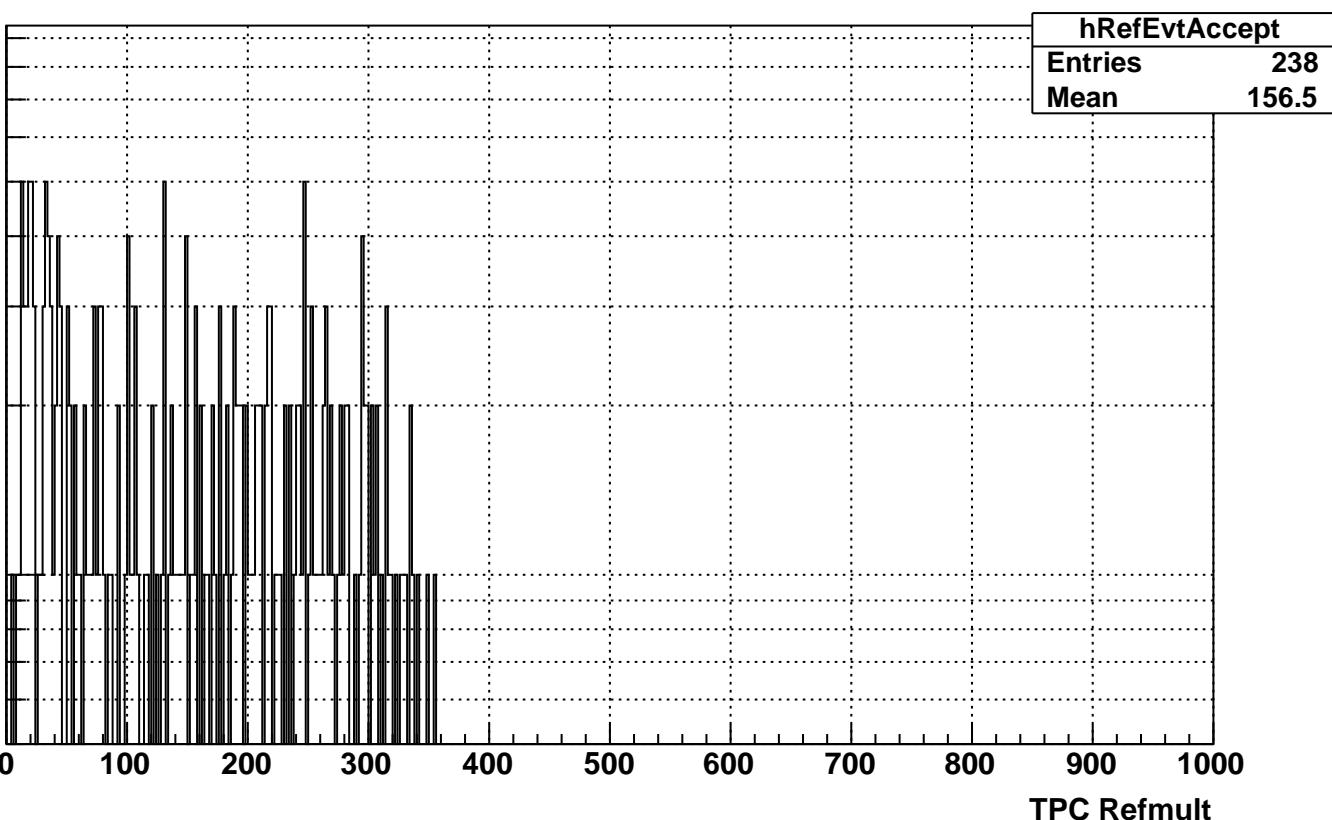
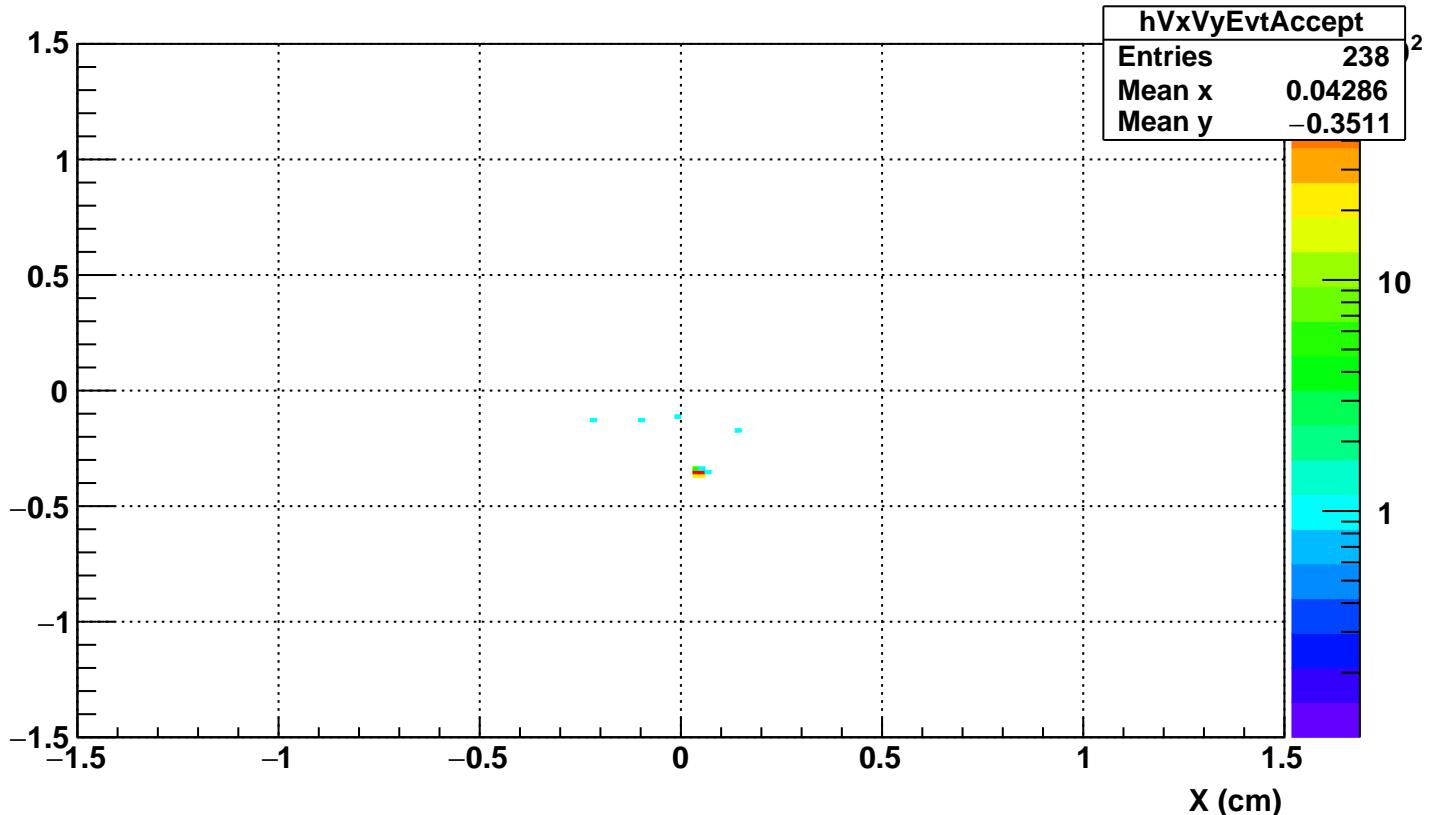


hDeltaVzEvtAccept
Entries 238
Mean 0.2442



hVzVsDeltaVzEvtAccept
Entries 238
Mean x -0.02248
Mean y 0.2442



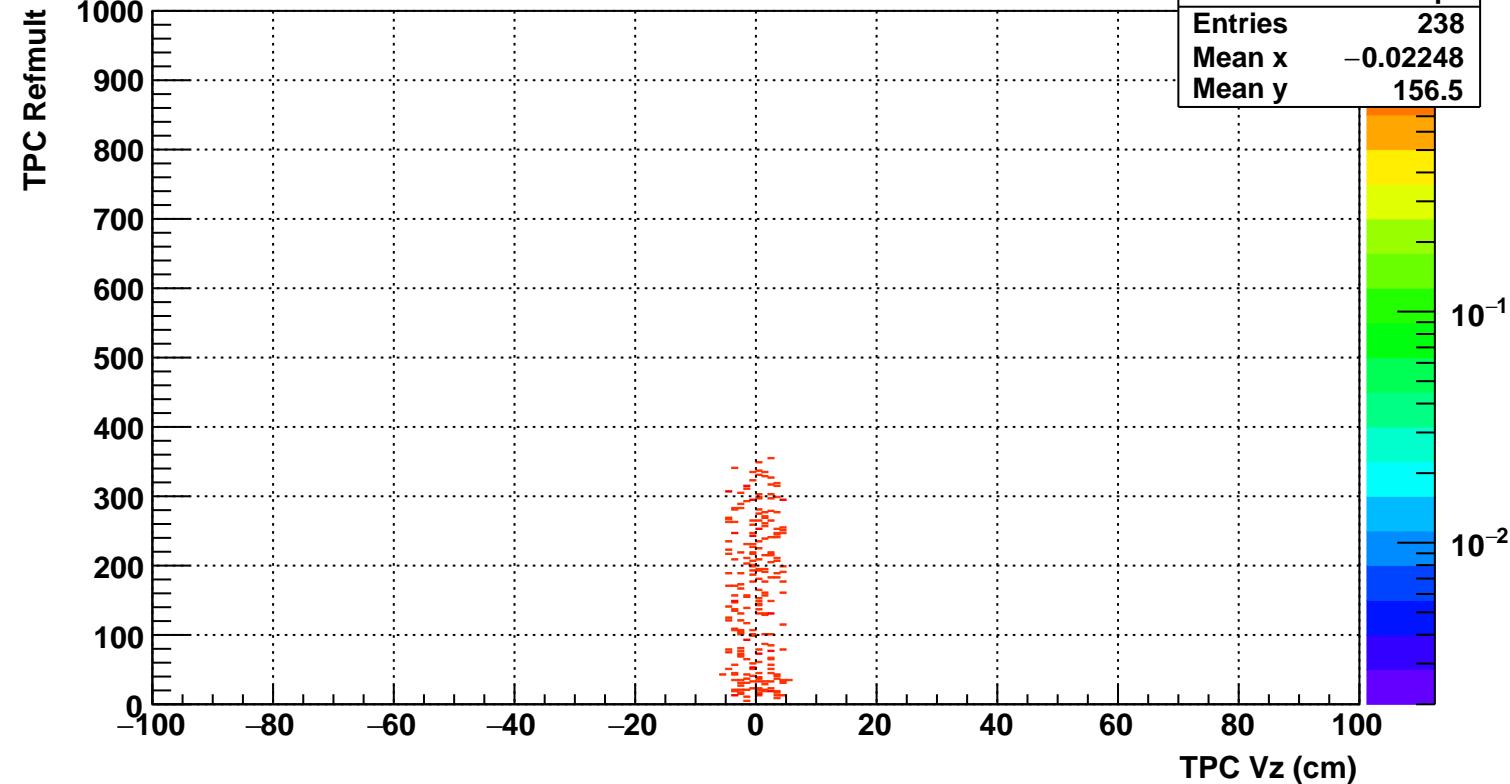


hRefVsVzEvtAccept

Entries 238

Mean x -0.02248

Mean y 156.5

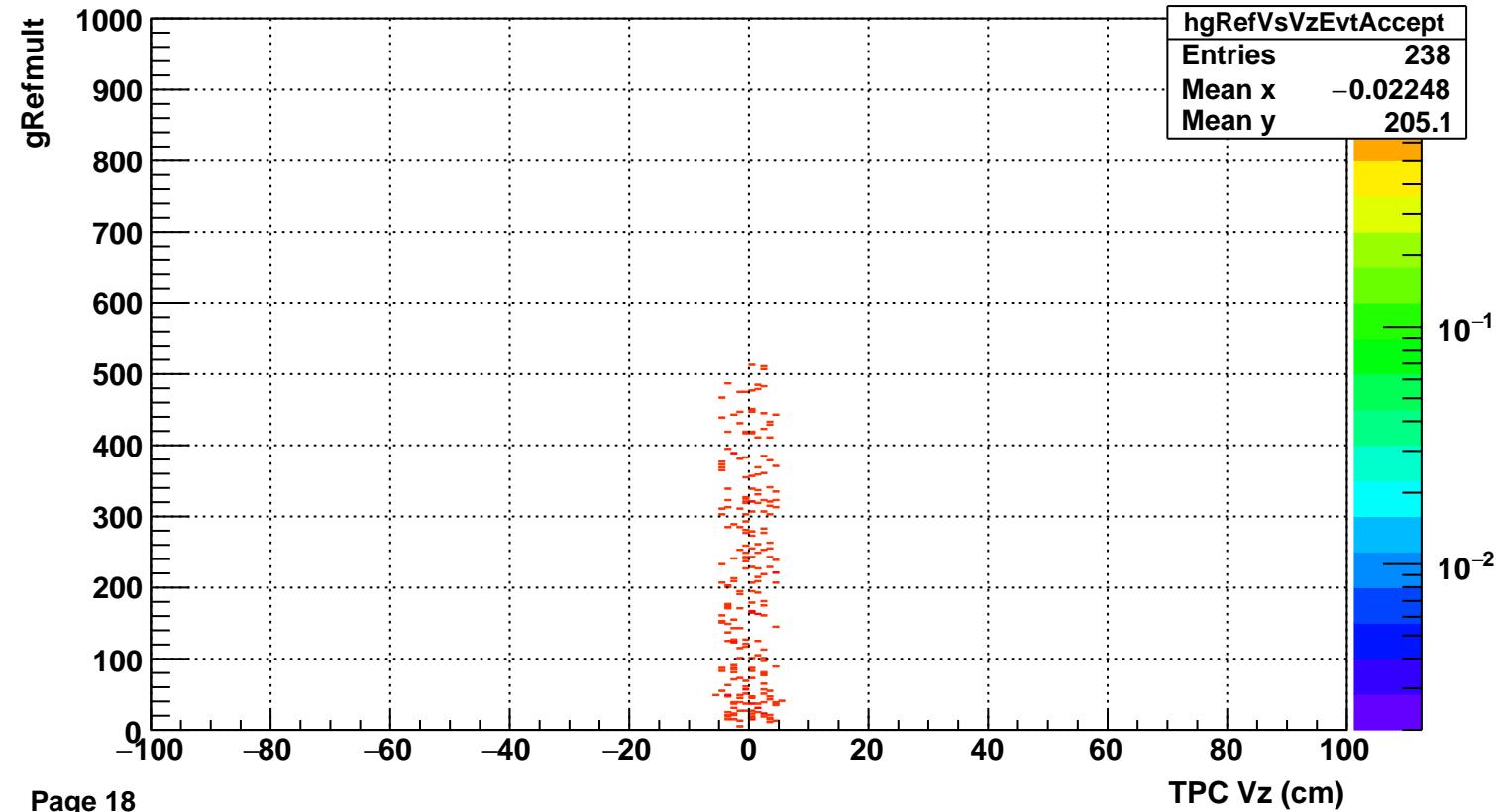


hgRefVsVzEvtAccept

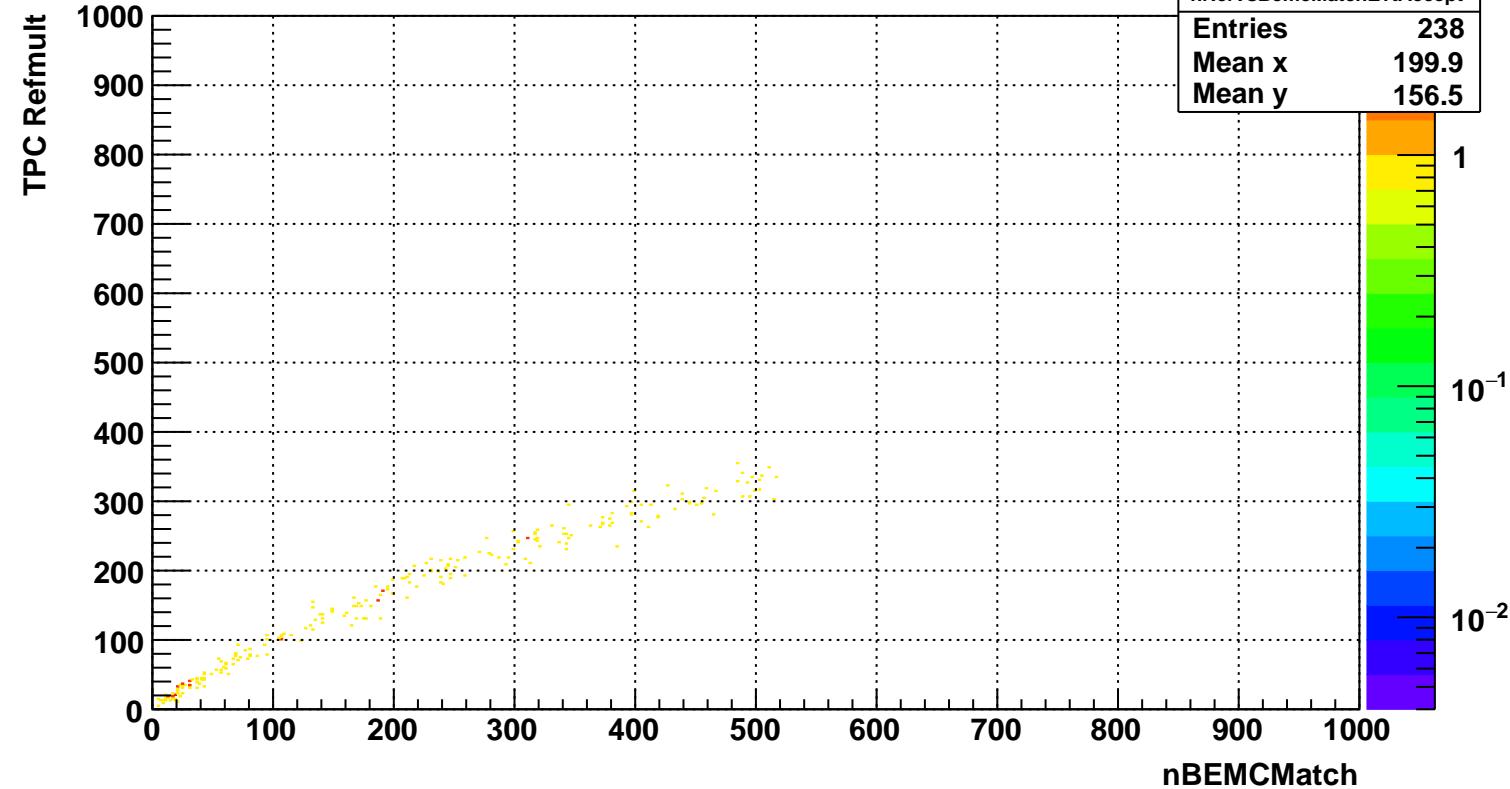
Entries 238

Mean x -0.02248

Mean y 205.1

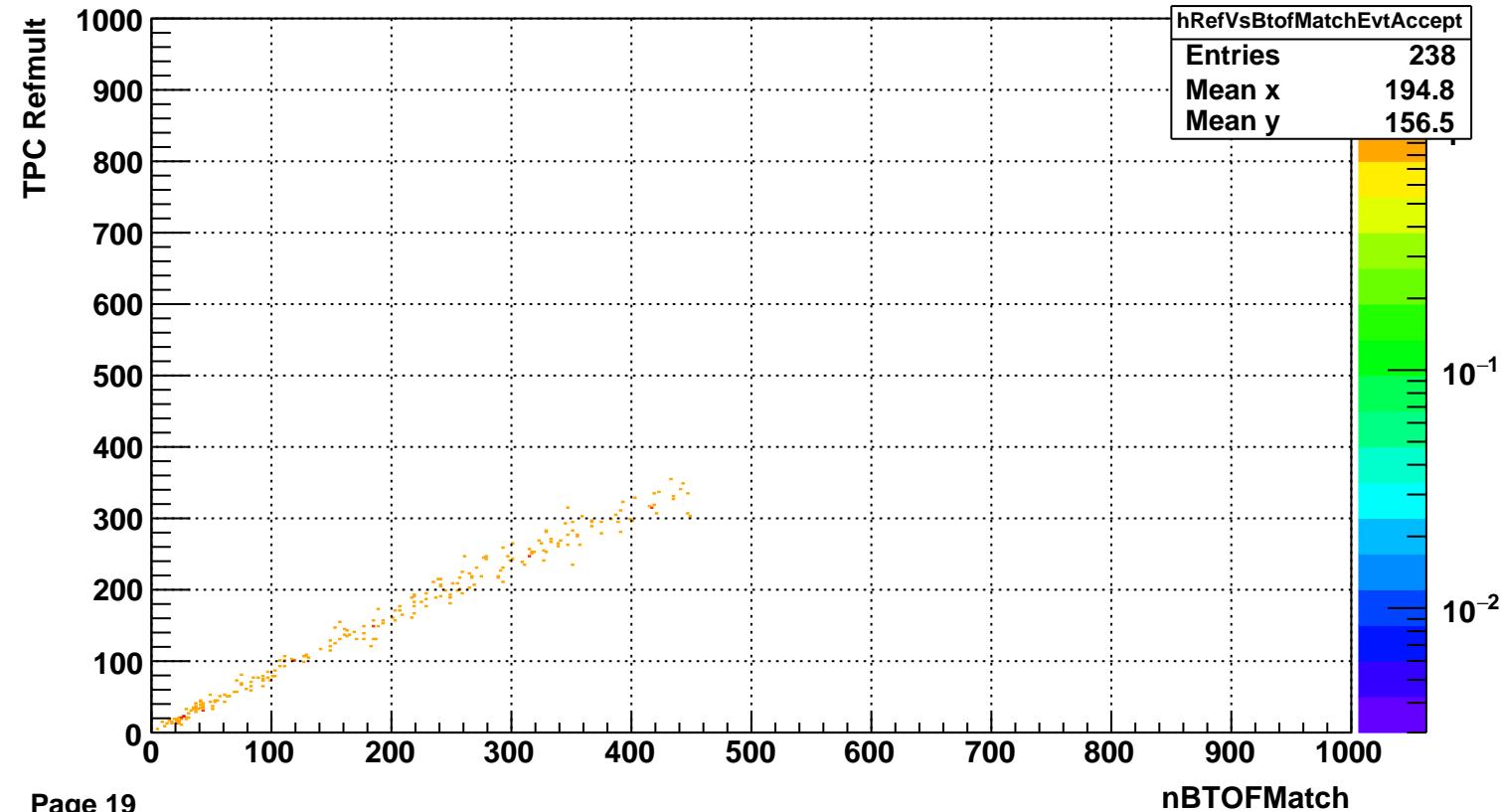


Entries 238
Mean x 199.9
Mean y 156.5

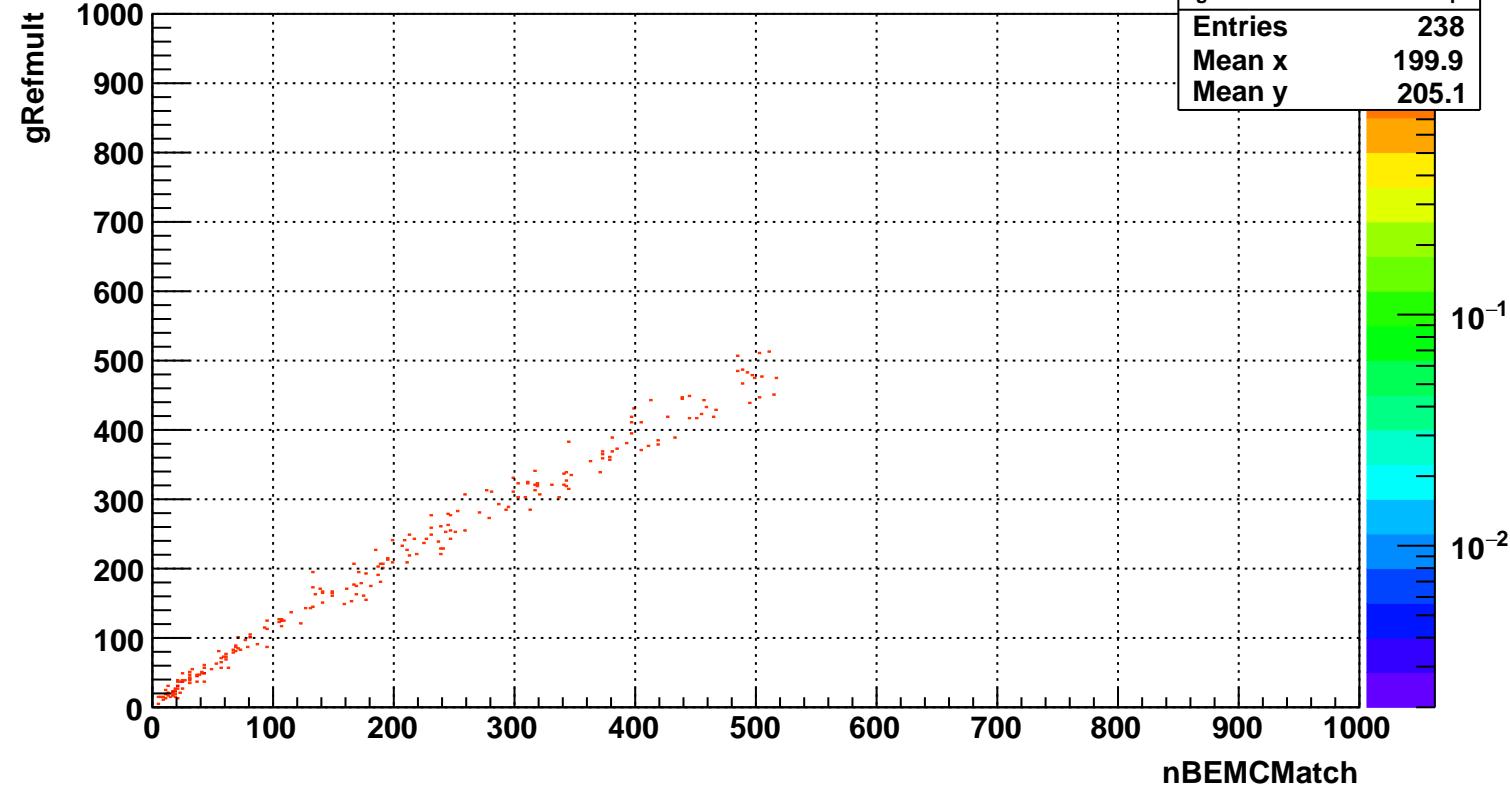


hRefVsBtofMatchEvtAccept

Entries 238
Mean x 194.8
Mean y 156.5

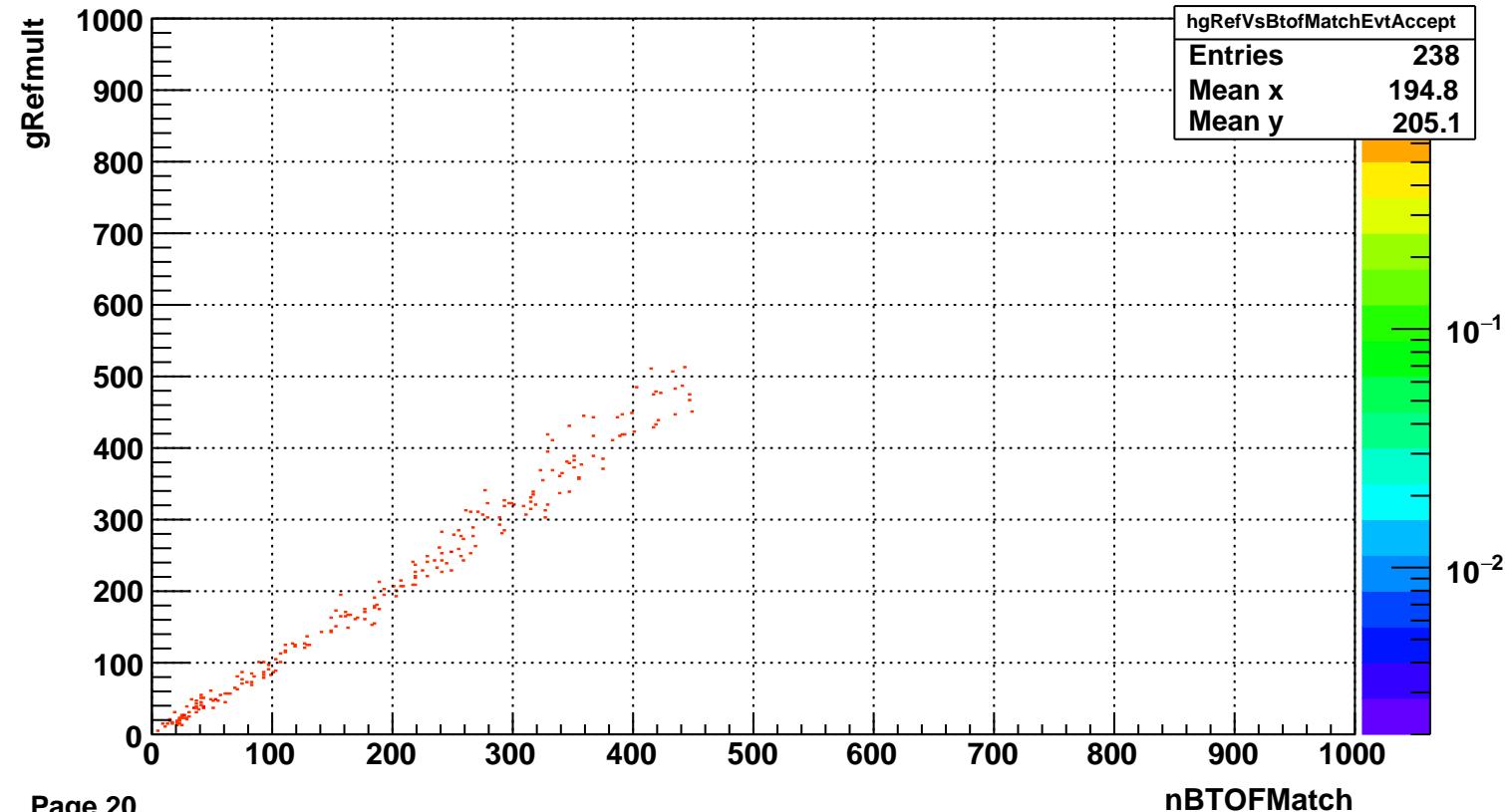


Entries 238
Mean x 199.9
Mean y 205.1



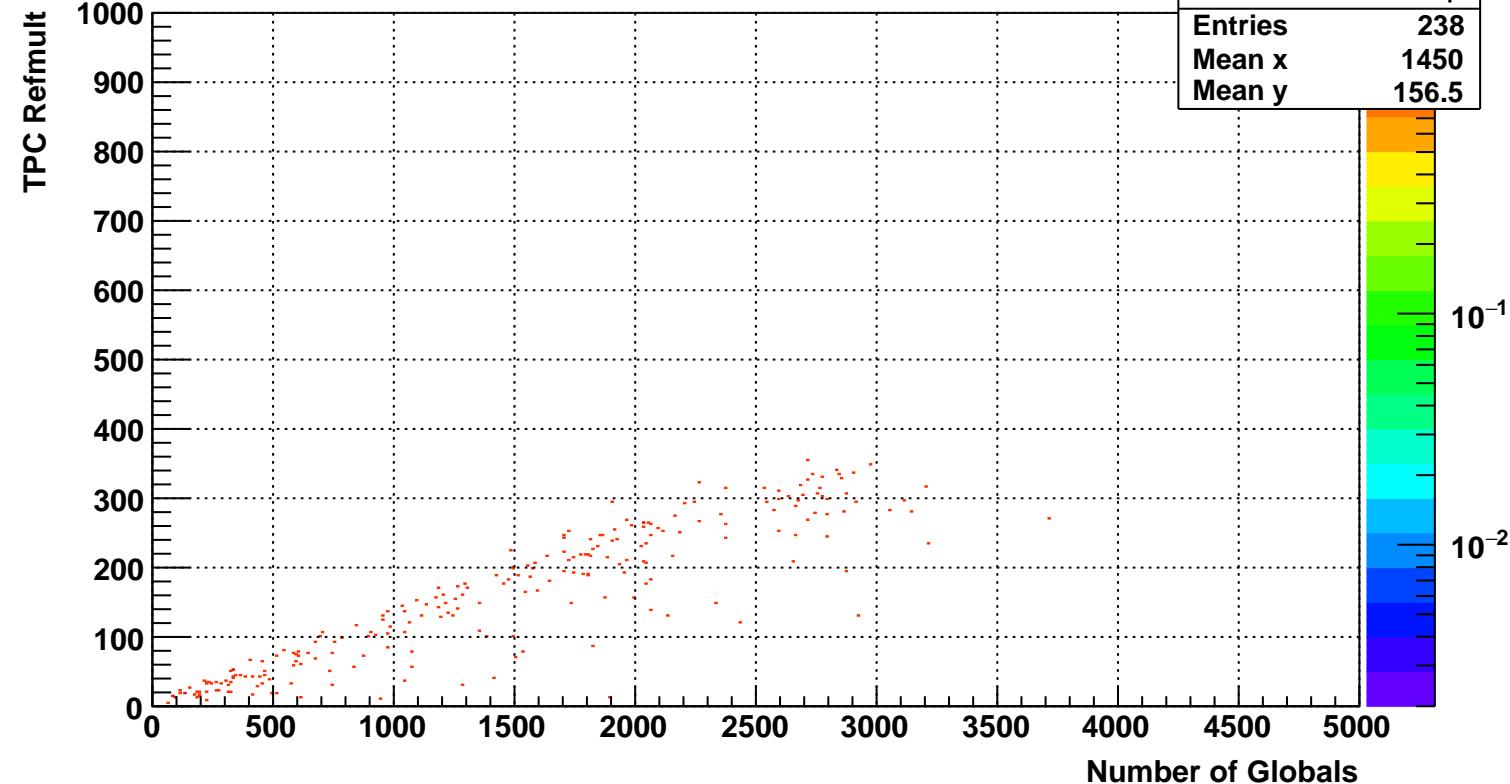
hgRefVsBtofMatchEvtAccept

Entries 238
Mean x 194.8
Mean y 205.1



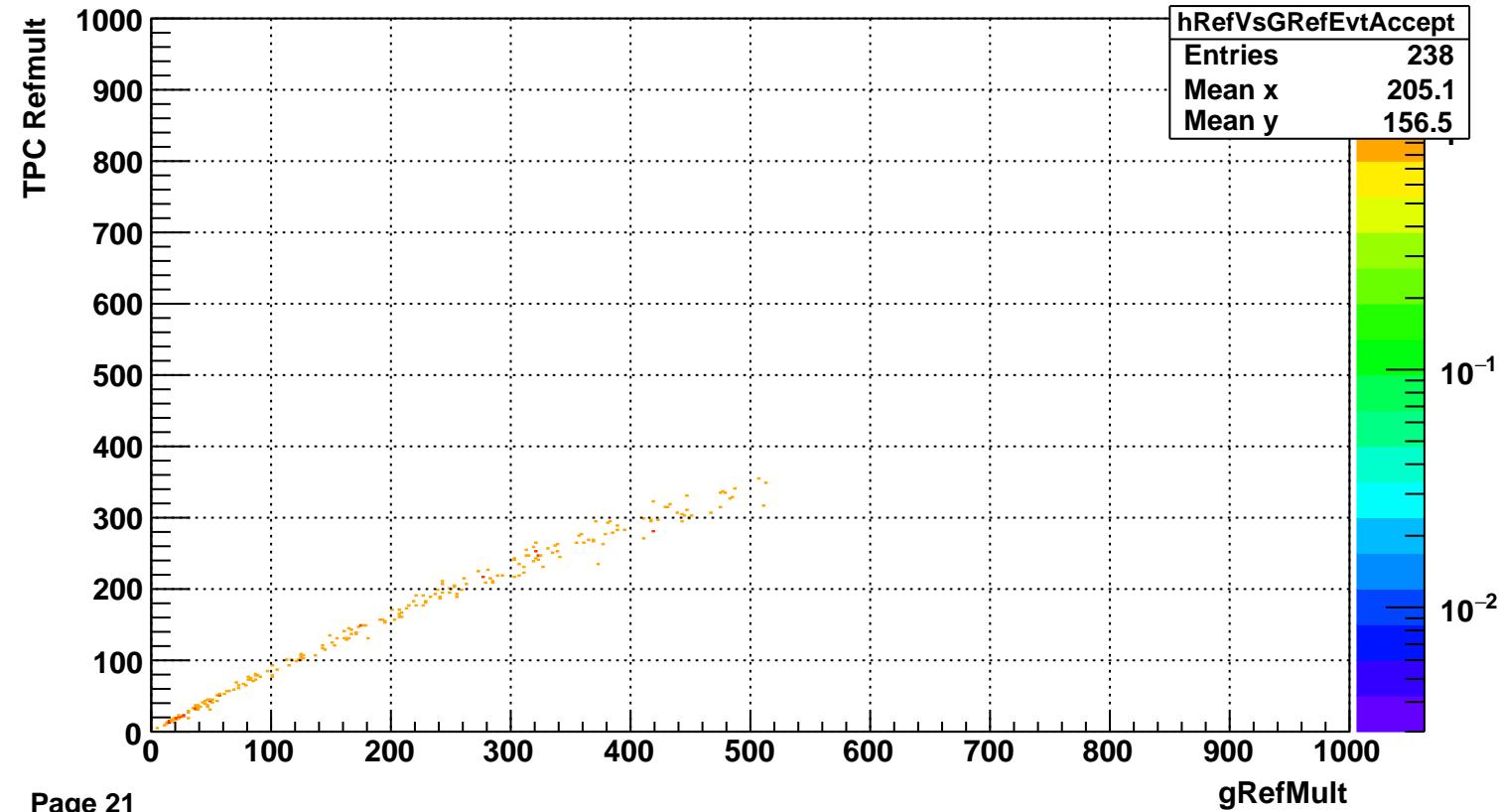
hRefVsGlobalRefEvtAccept

Entries 238
 Mean x 1450
 Mean y 156.5

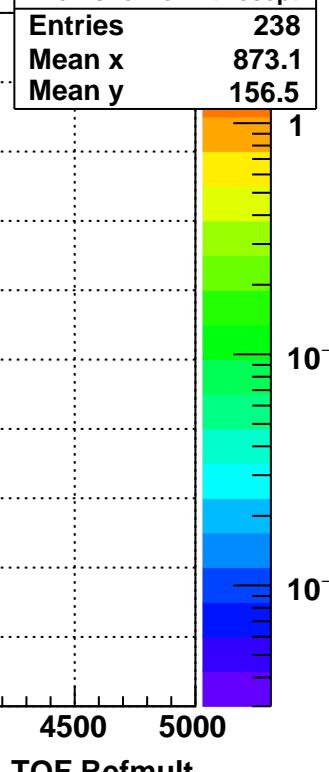


hRefVsGRefEvtAccept

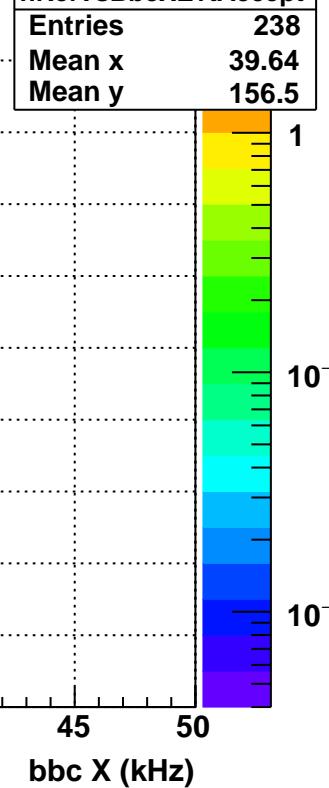
Entries 238
 Mean x 205.1
 Mean y 156.5

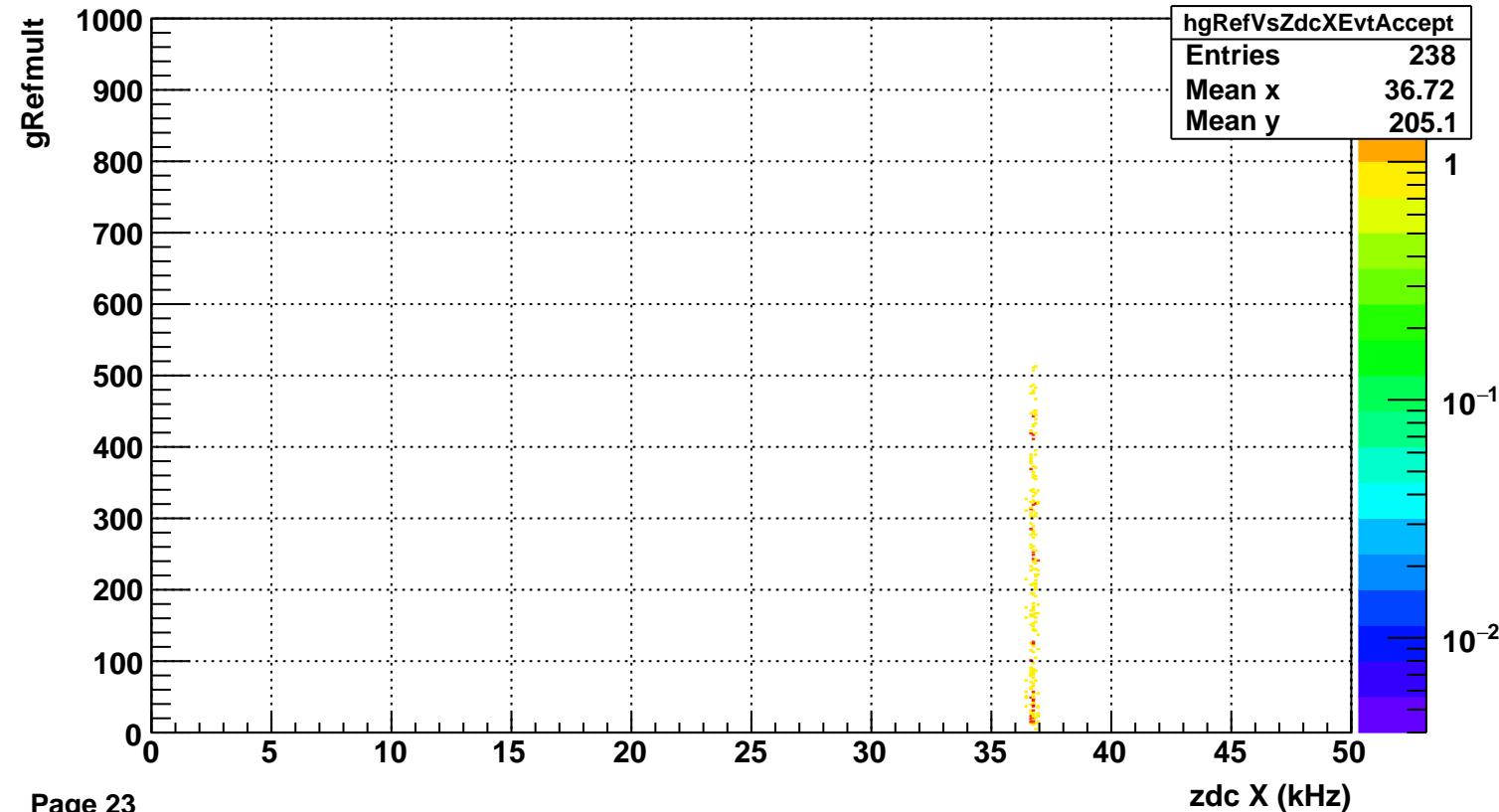
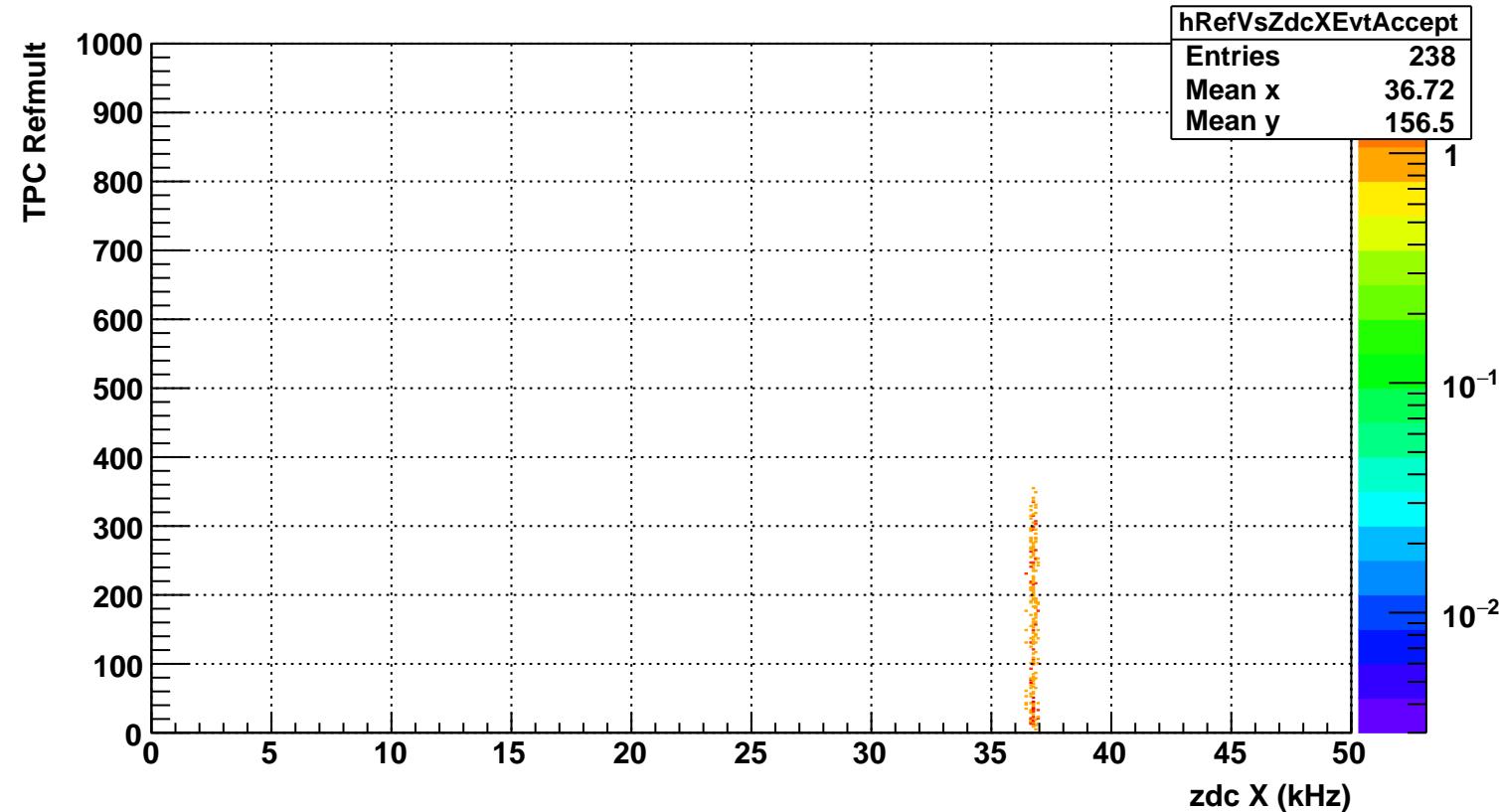


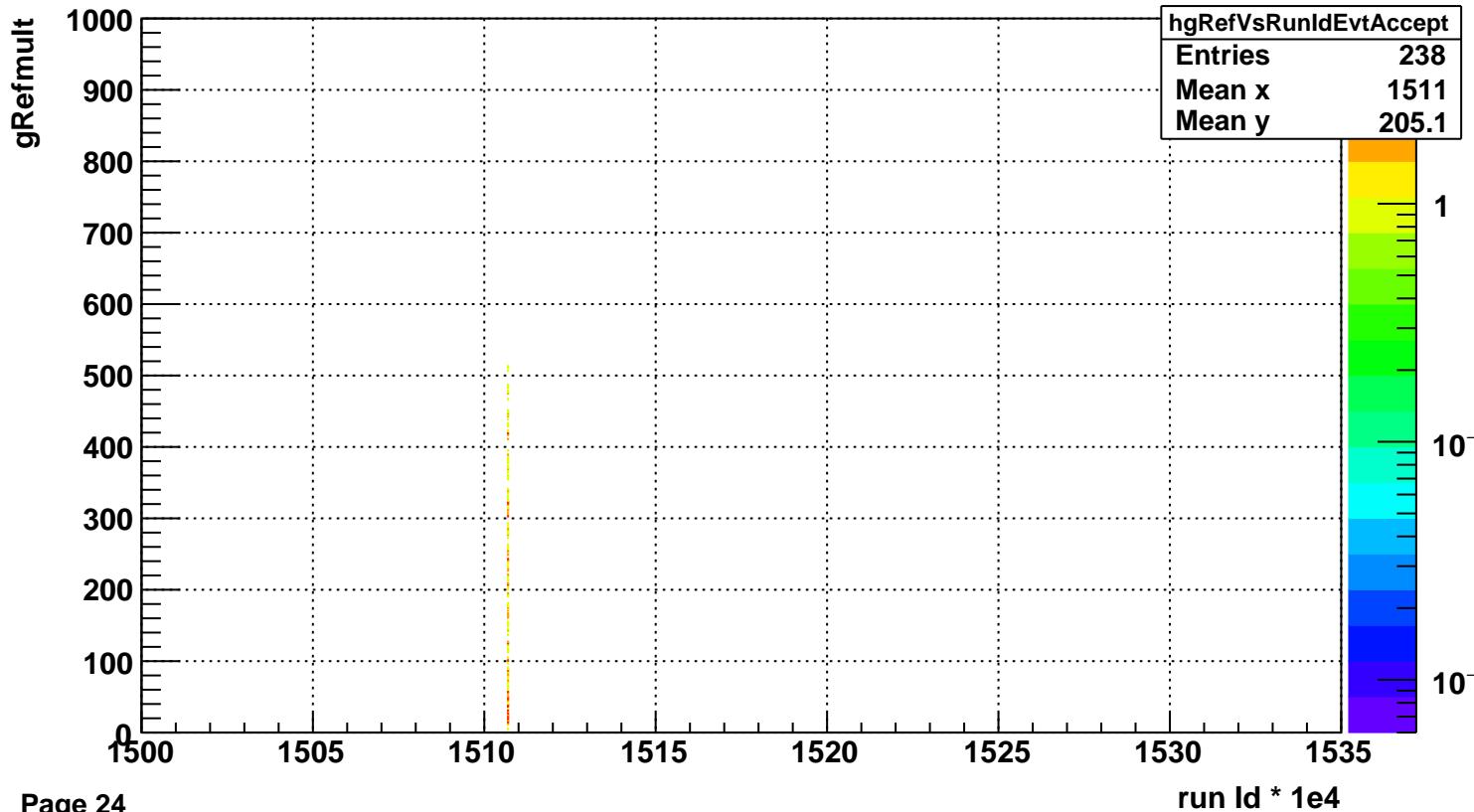
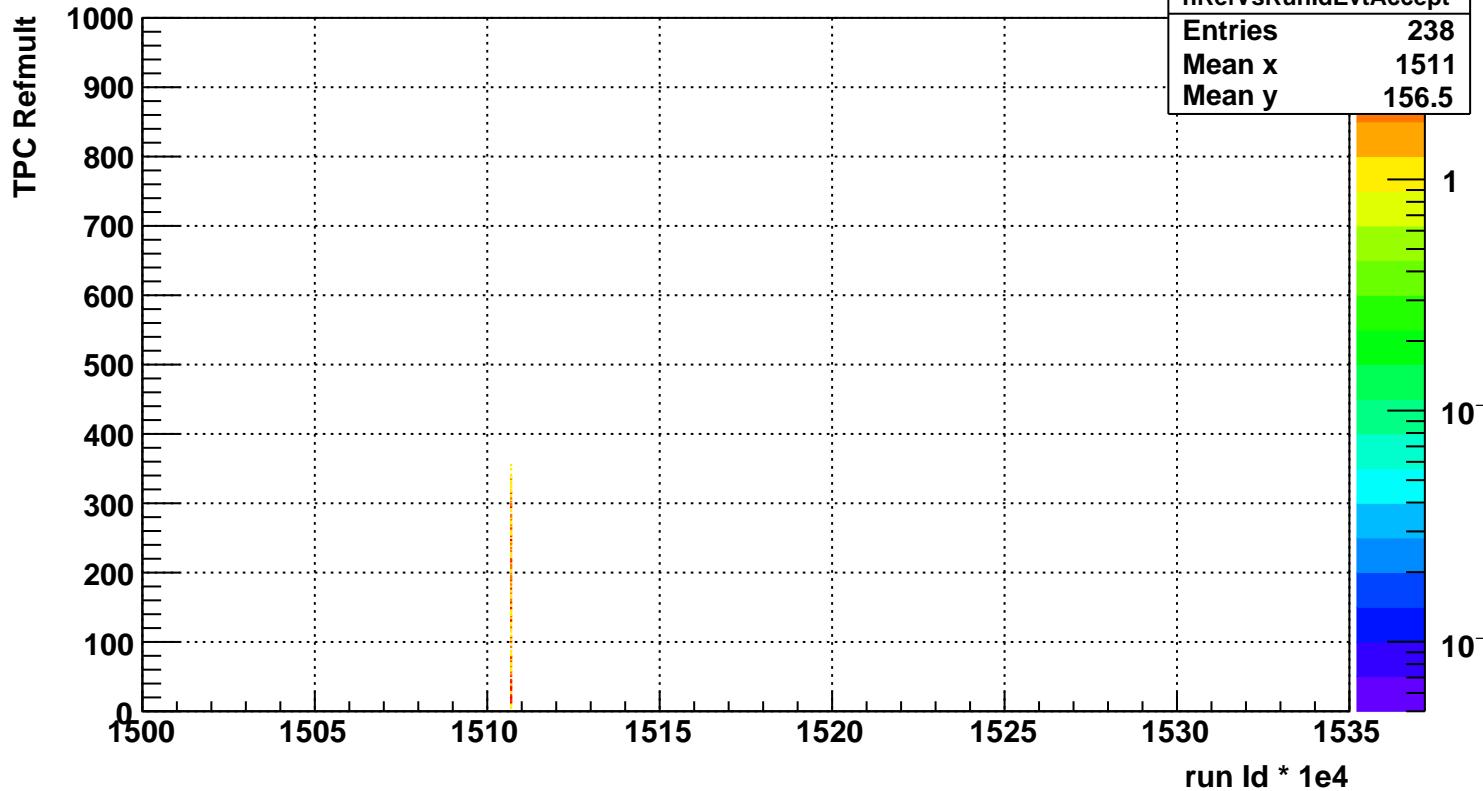
hRefVsTofRefEvtAccept

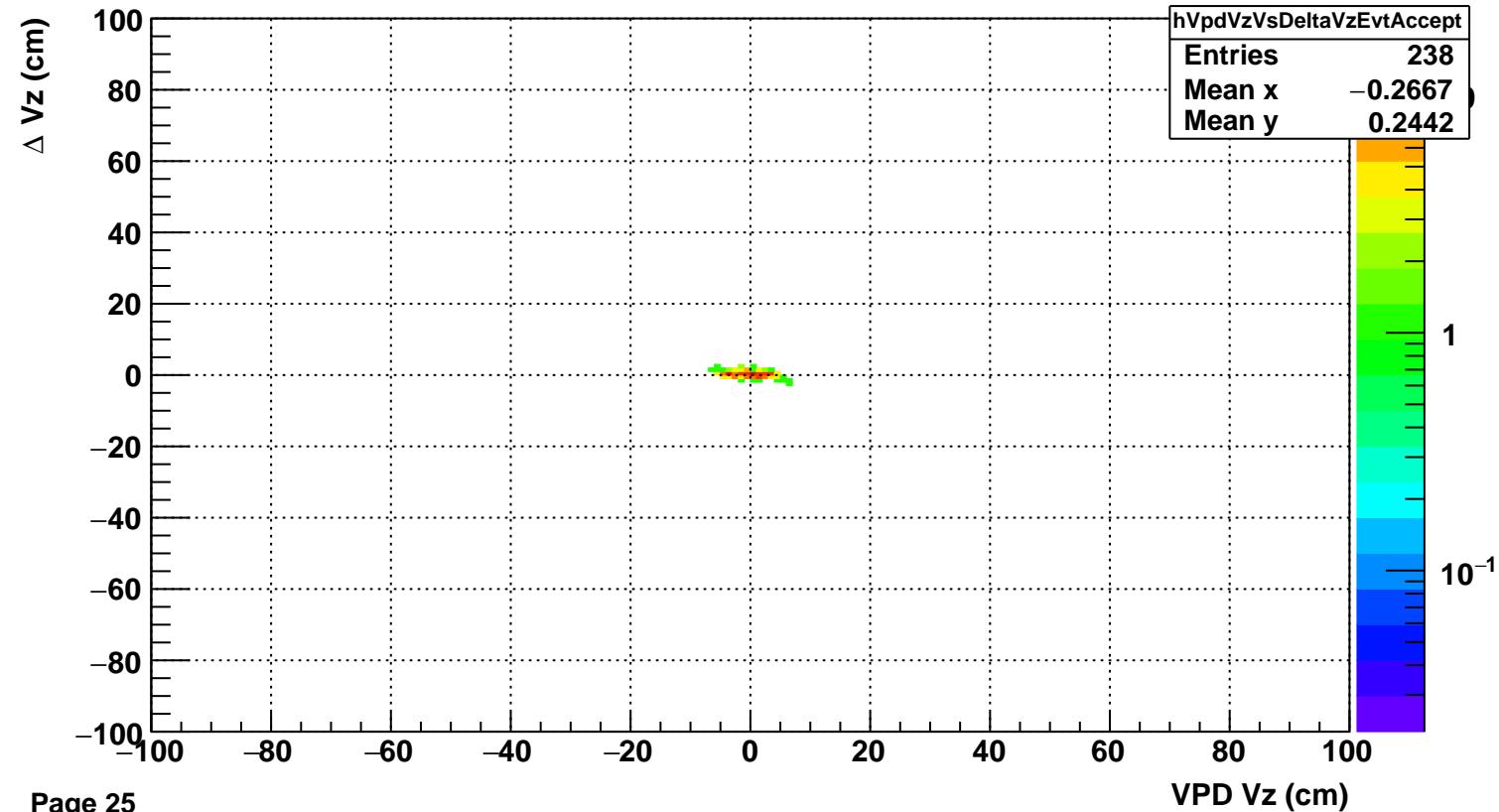
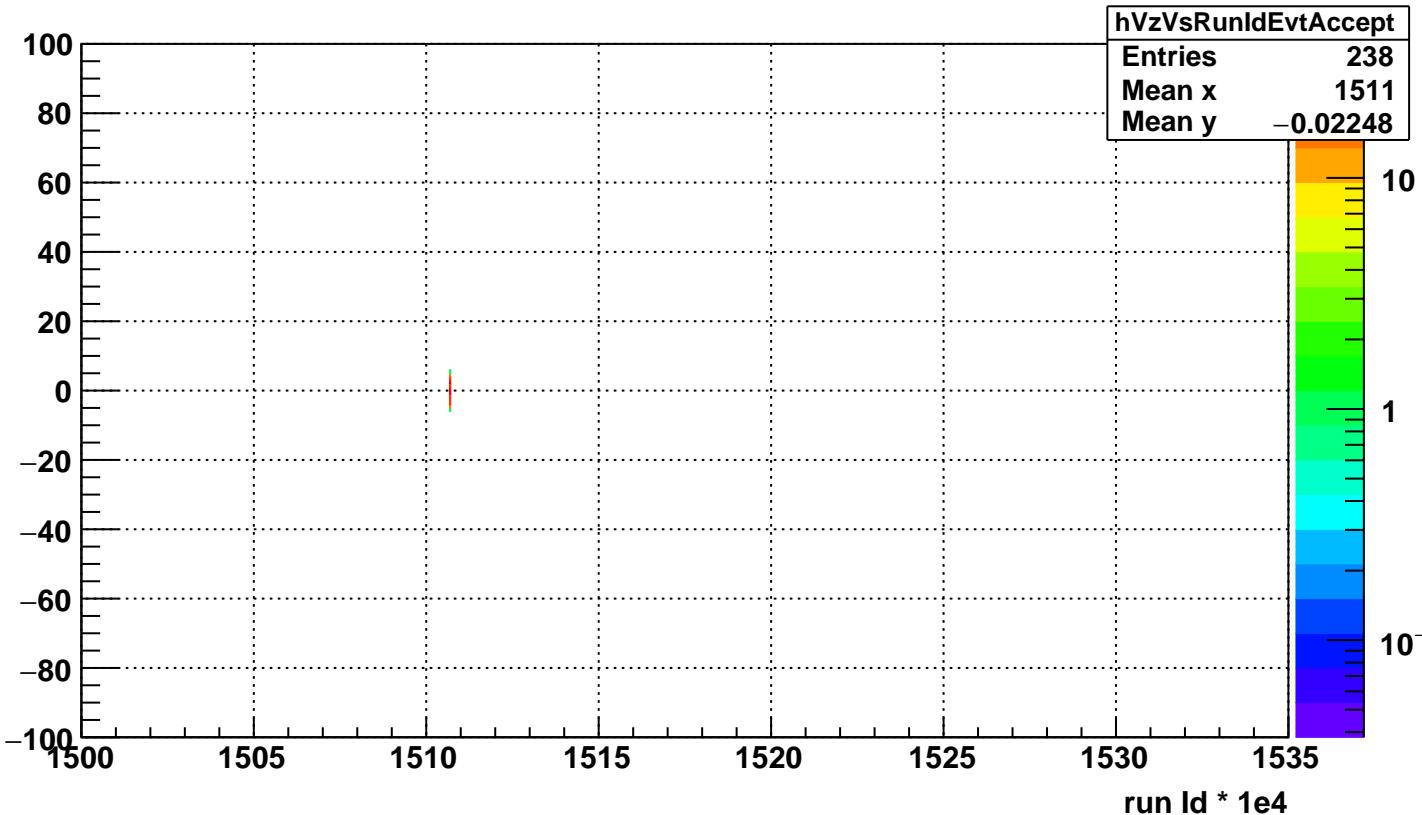


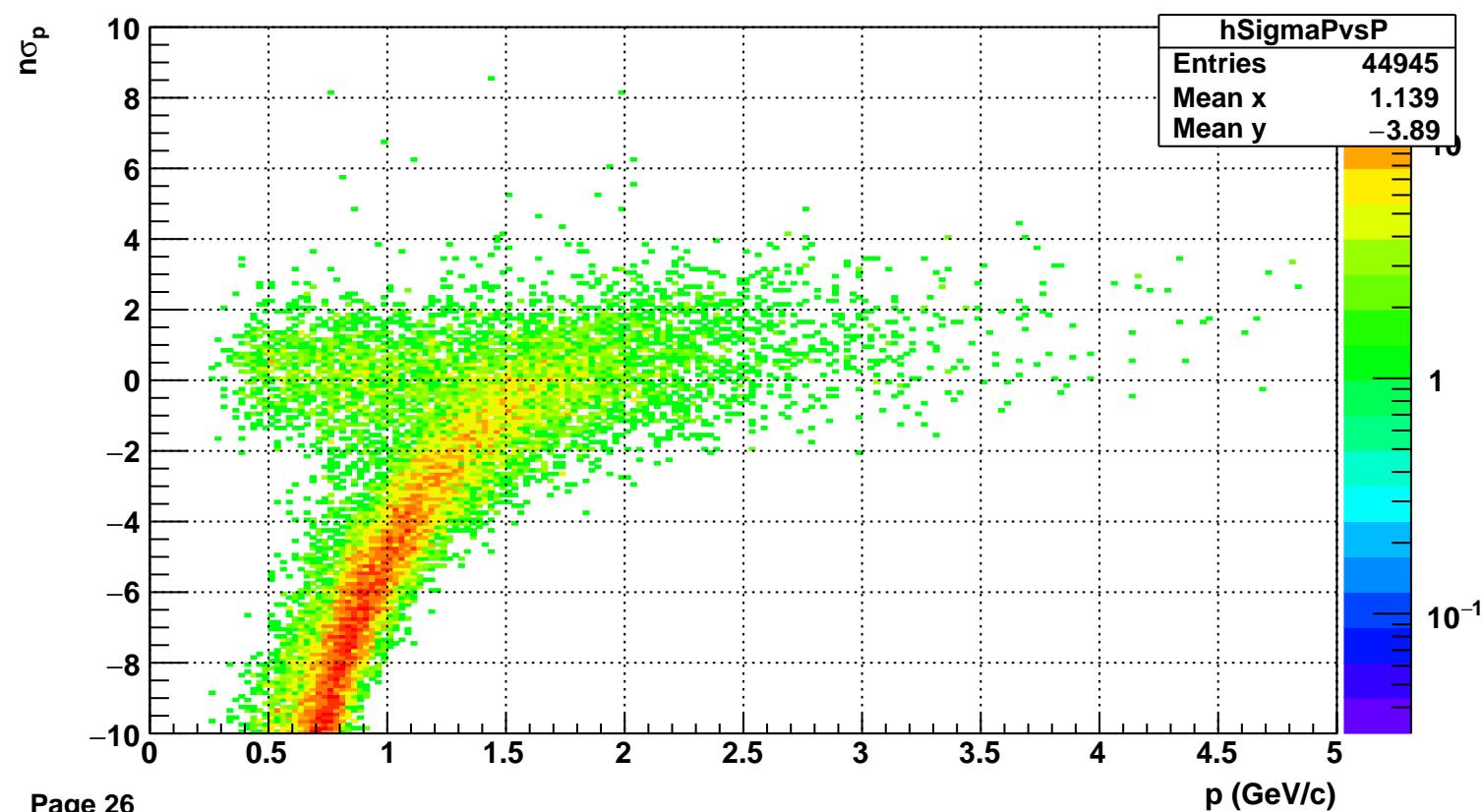
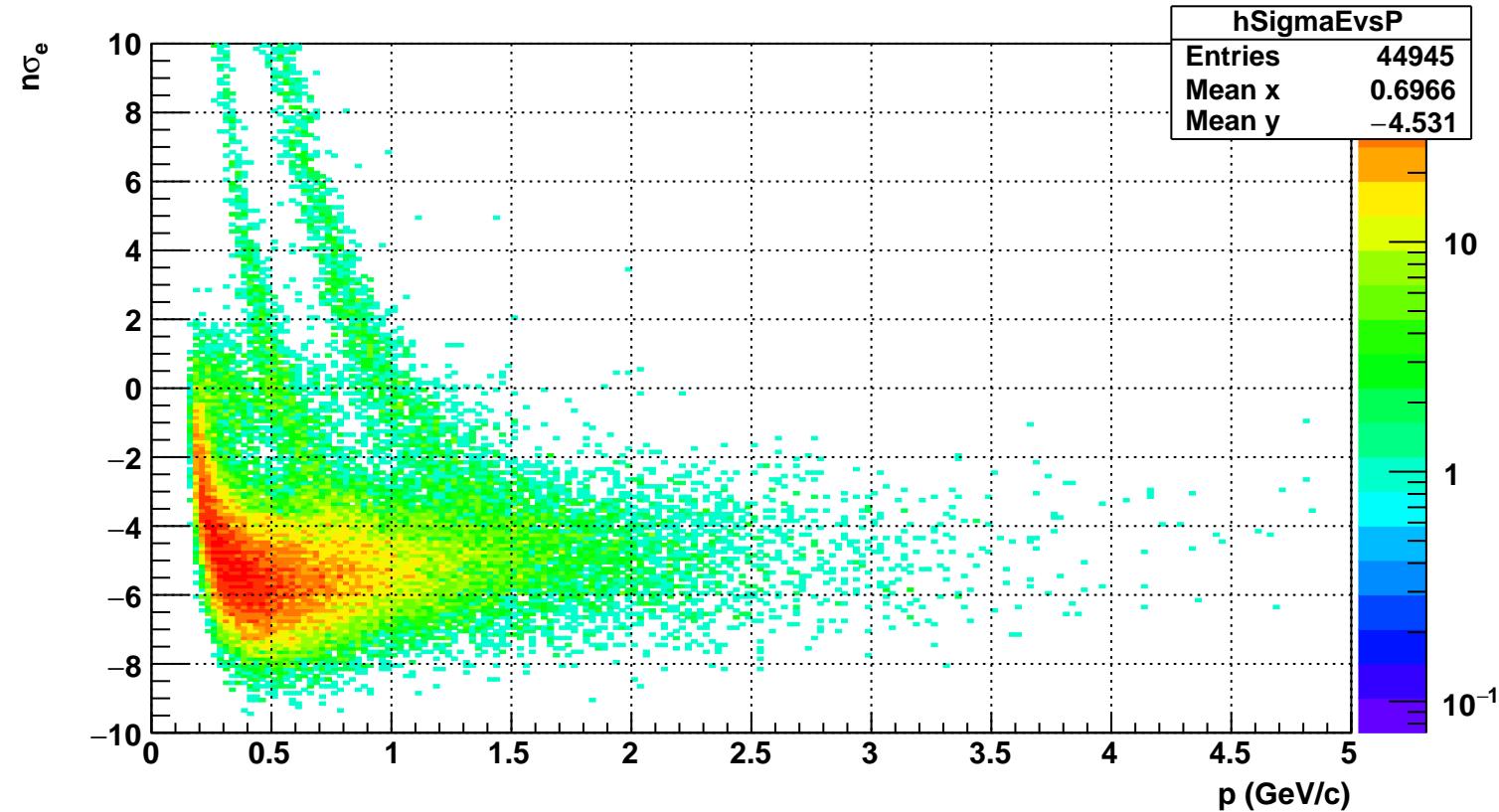
hRefVsBbcXEvtAccept

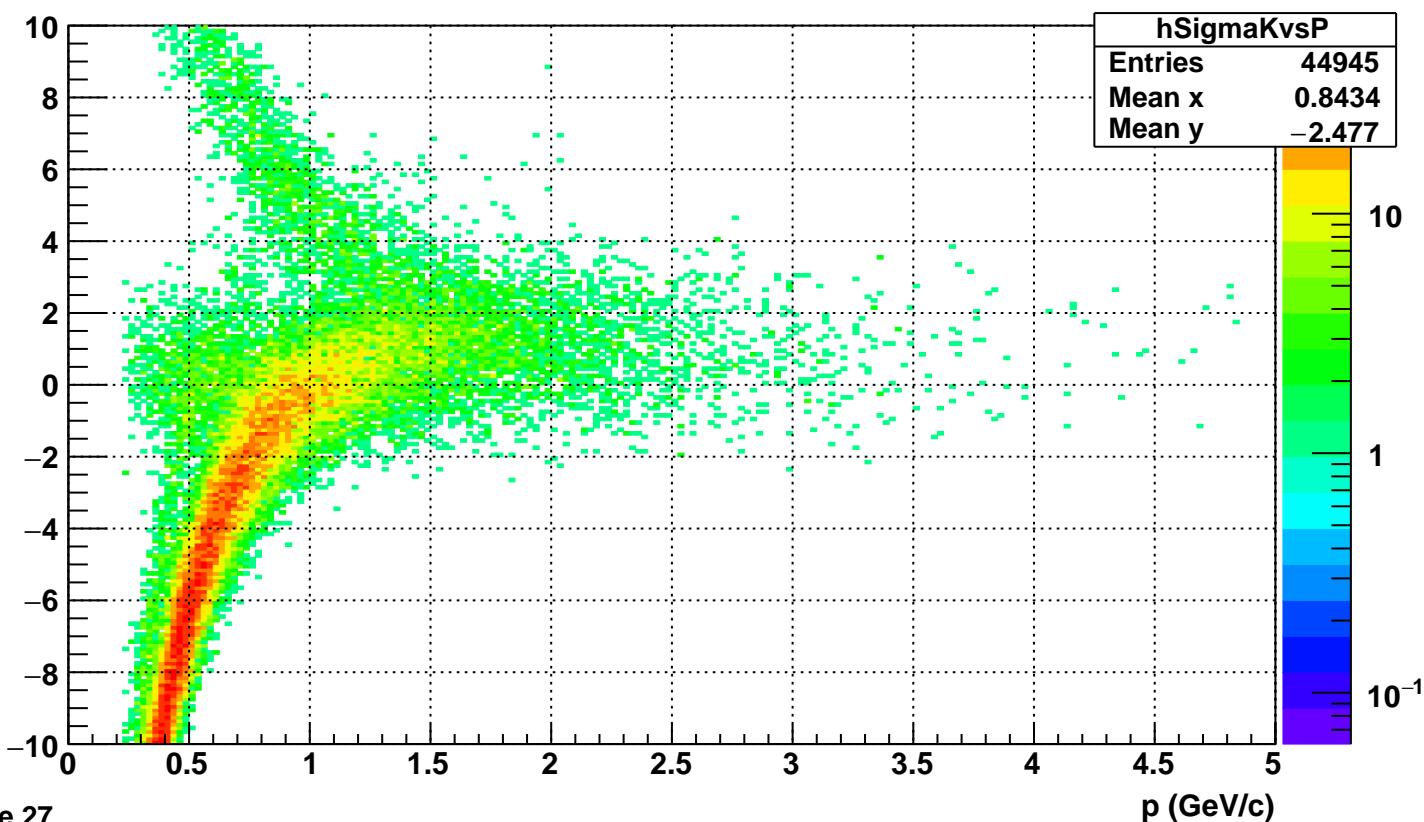
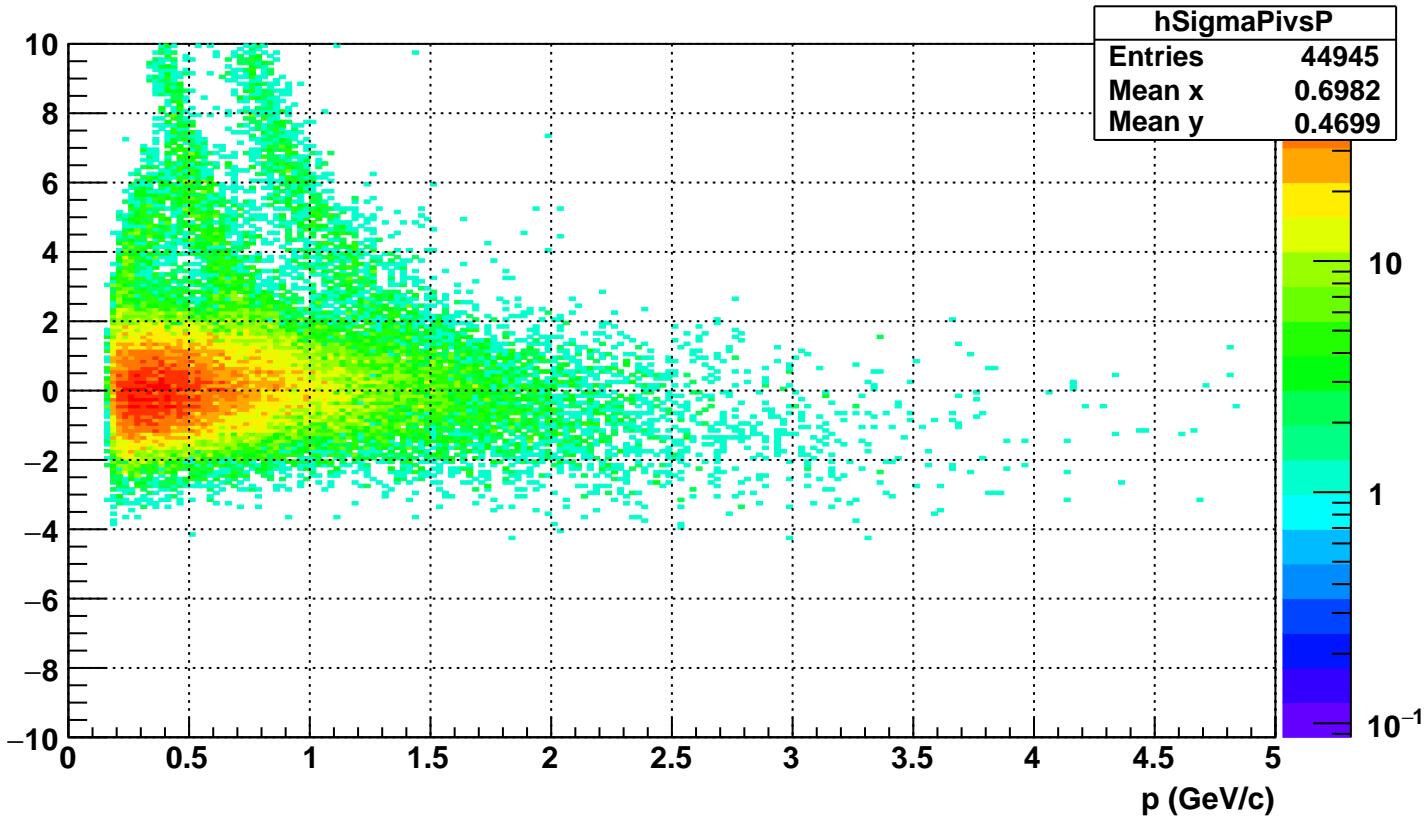


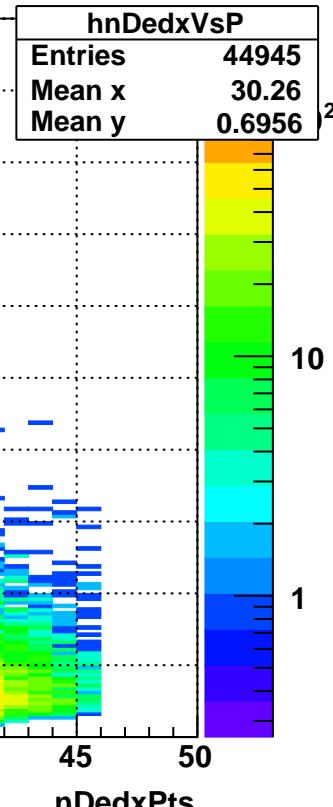
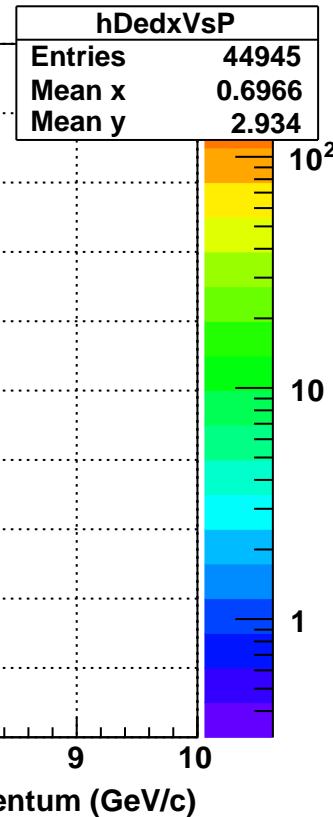






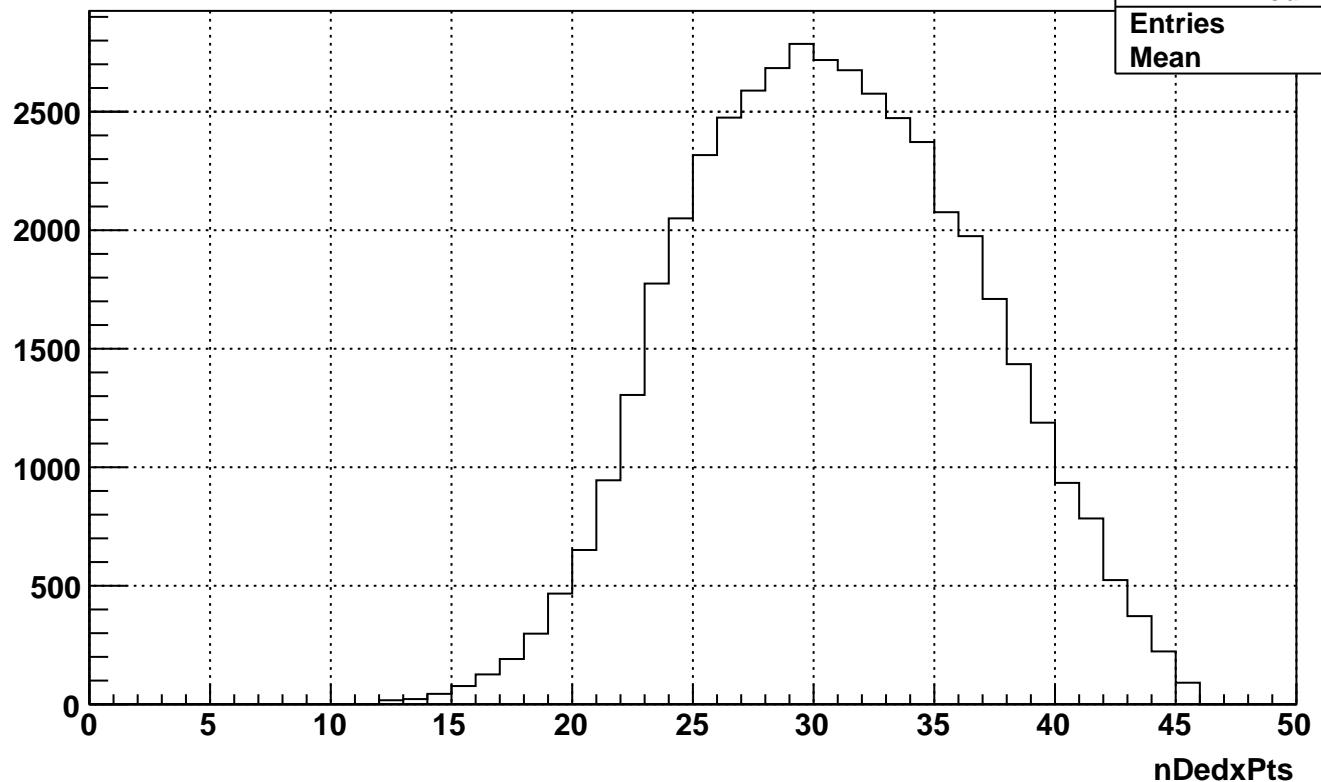






hnDedx

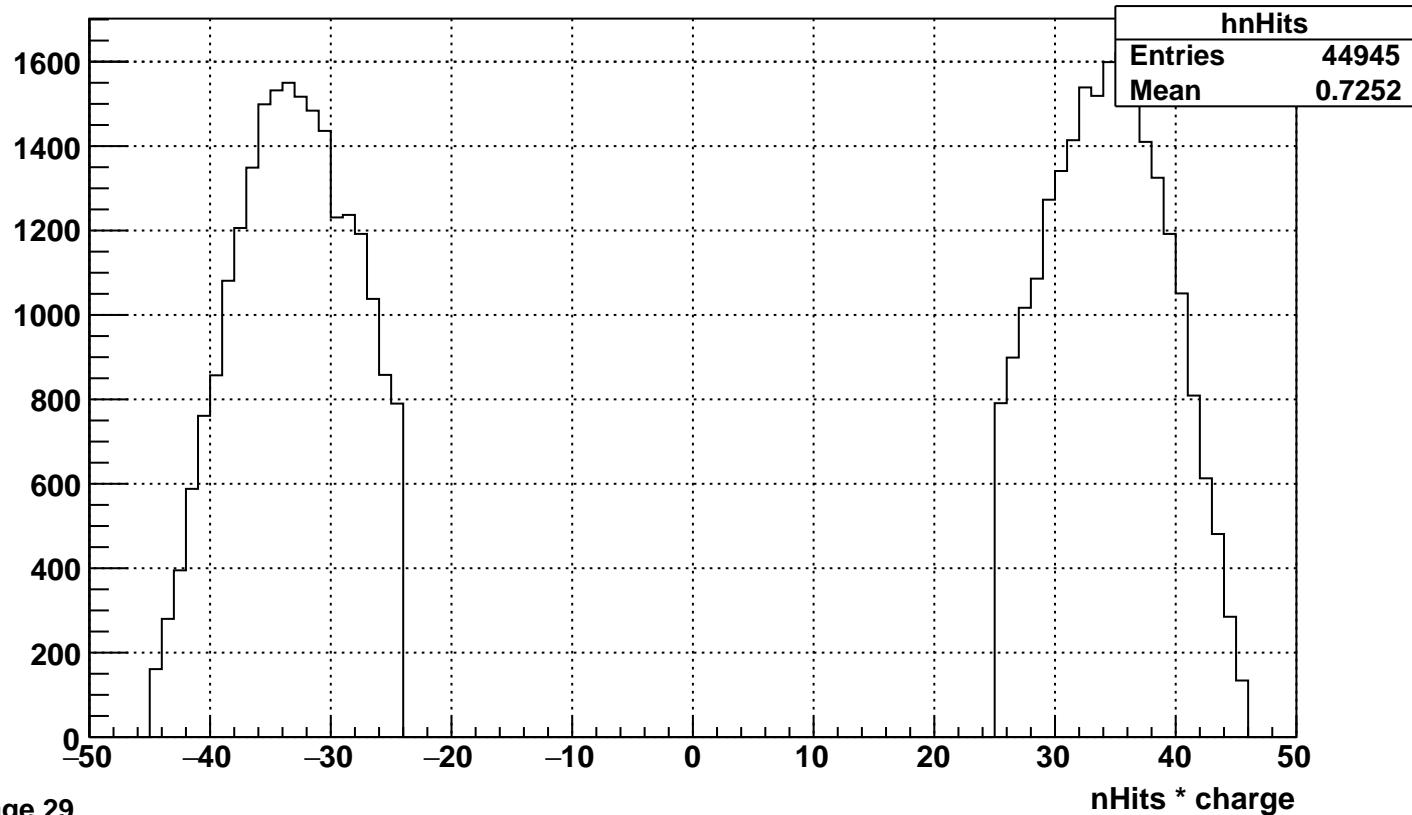
Entries 44945
Mean 30.26



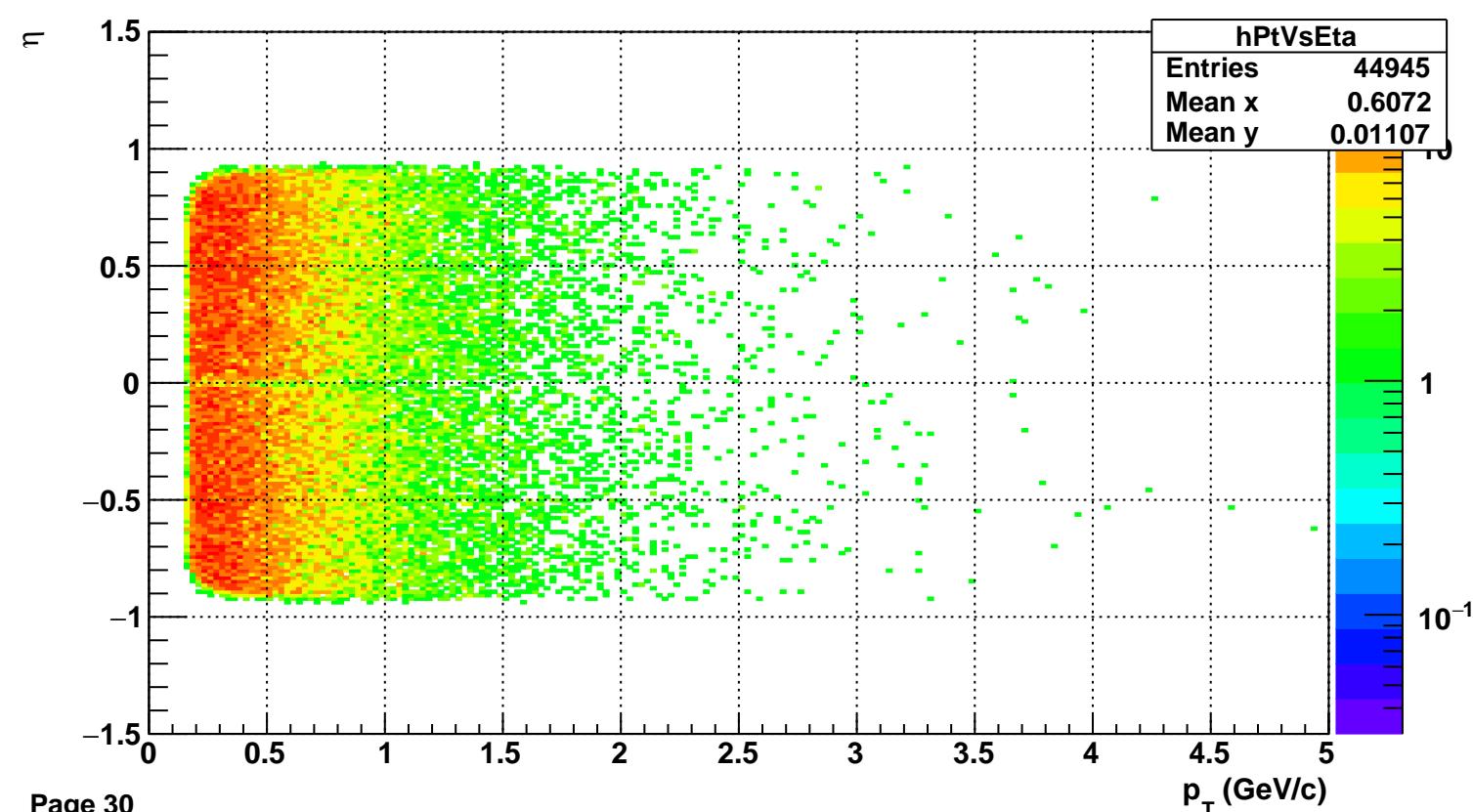
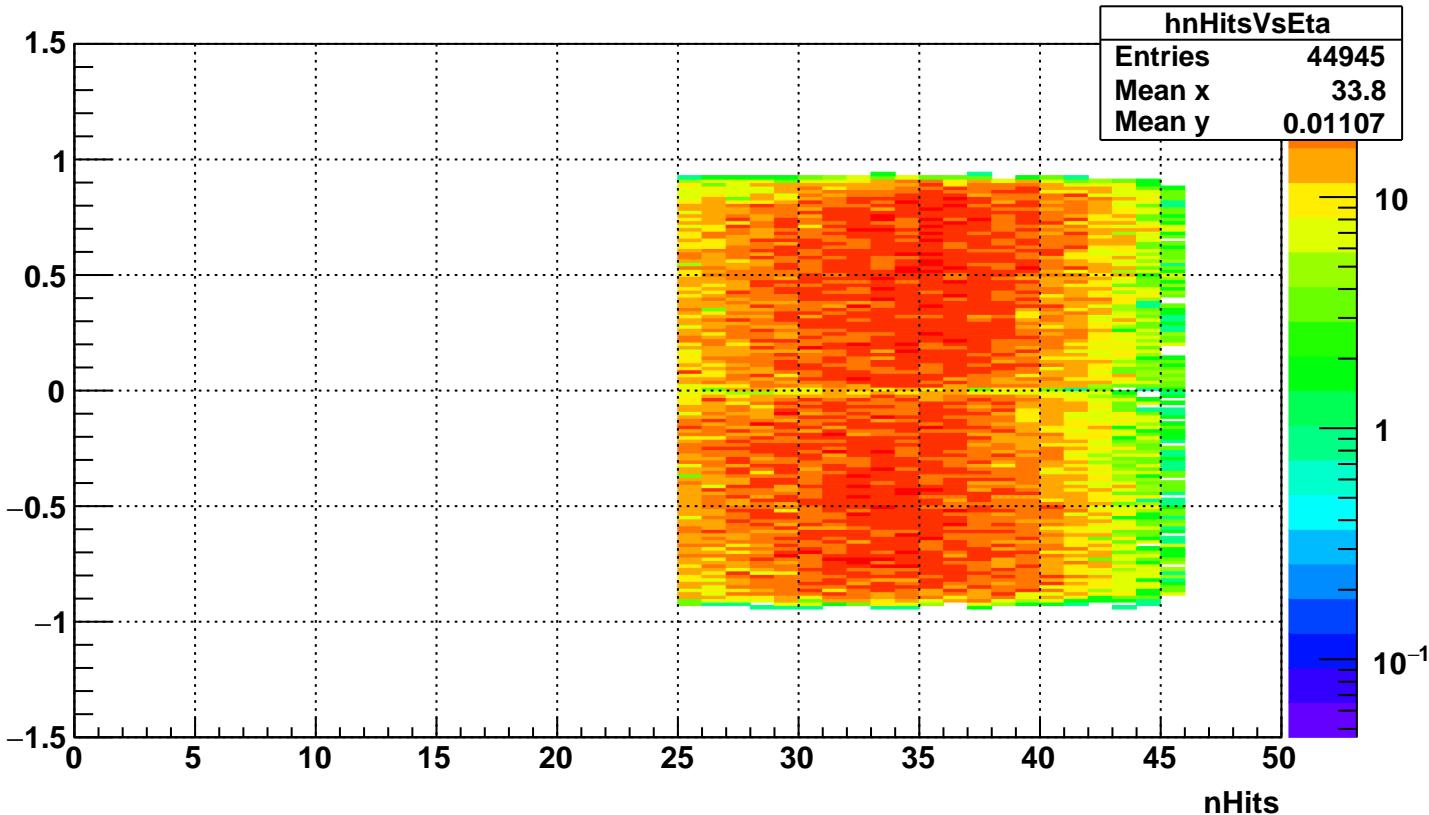
$nDedxPts$

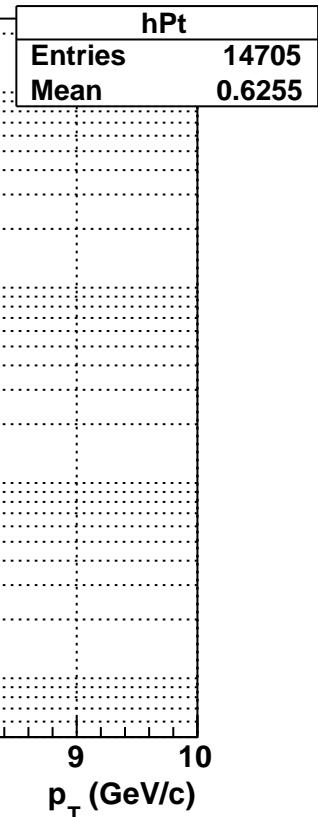
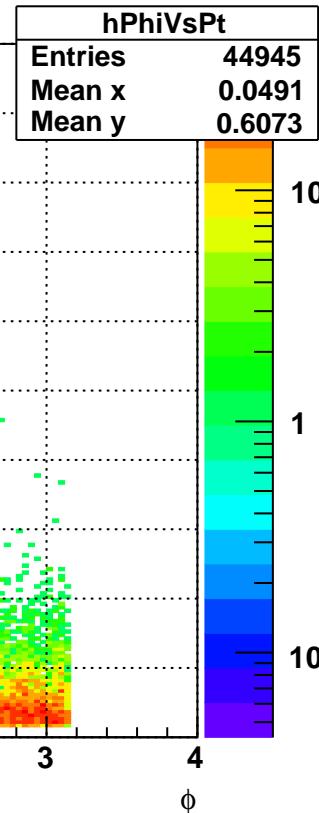
hnHits

Entries 44945
Mean 0.7252



$nHits * charge$

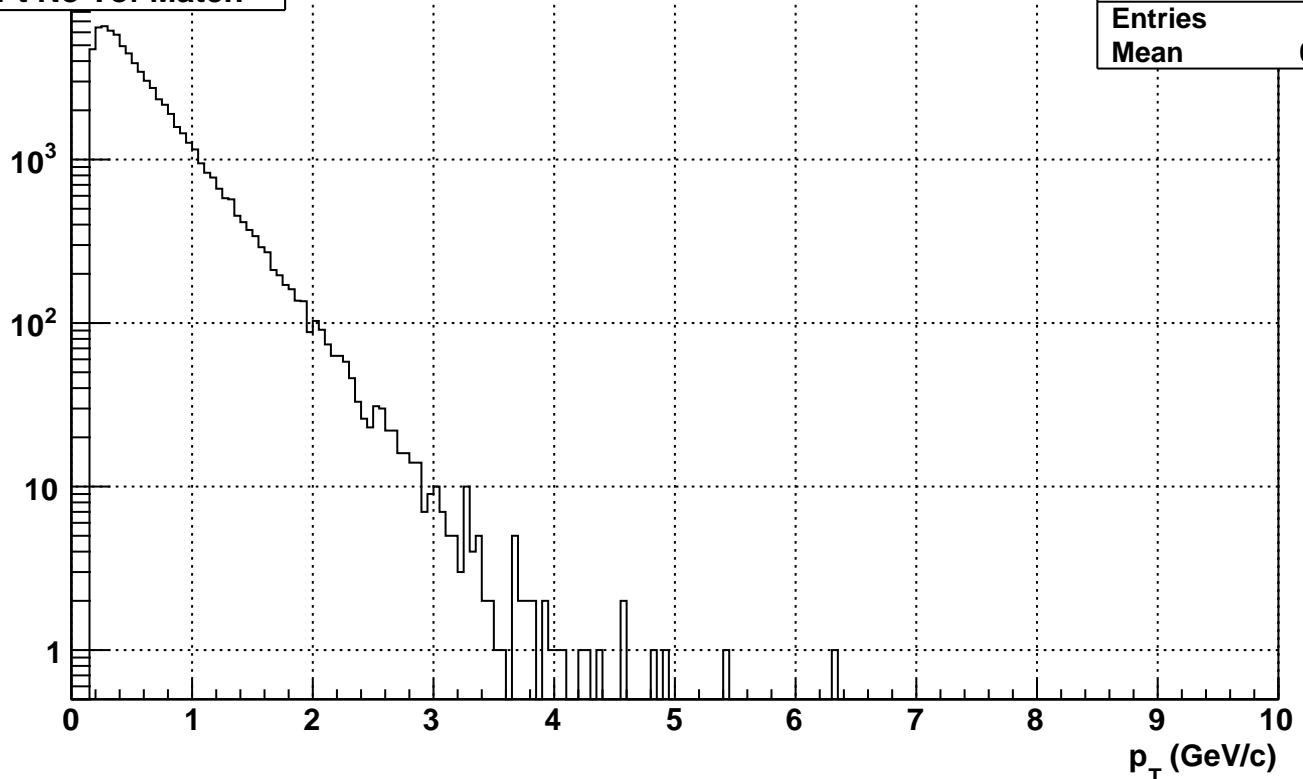




hPt No Tof Match**hPtNoTof**

Entries 72418

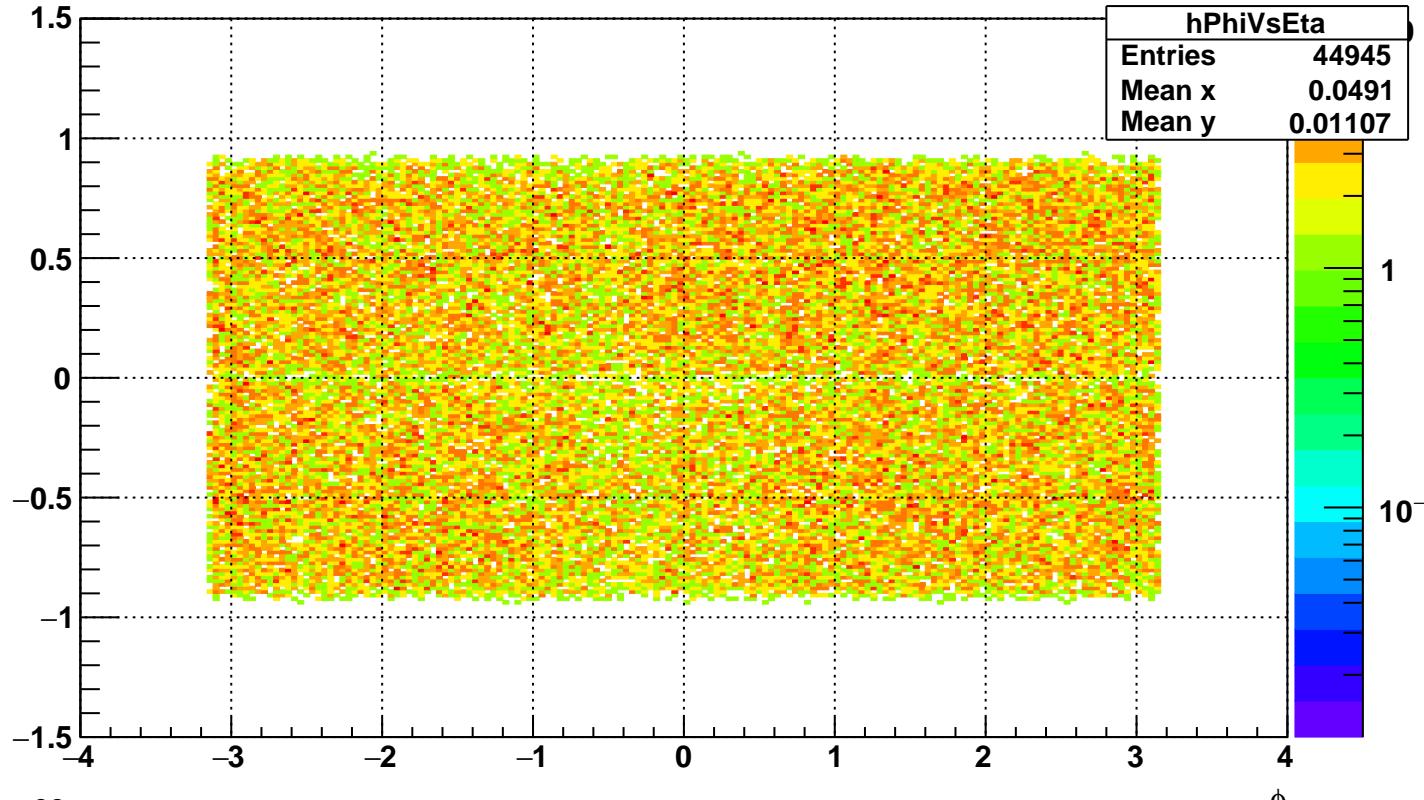
Mean 0.5891

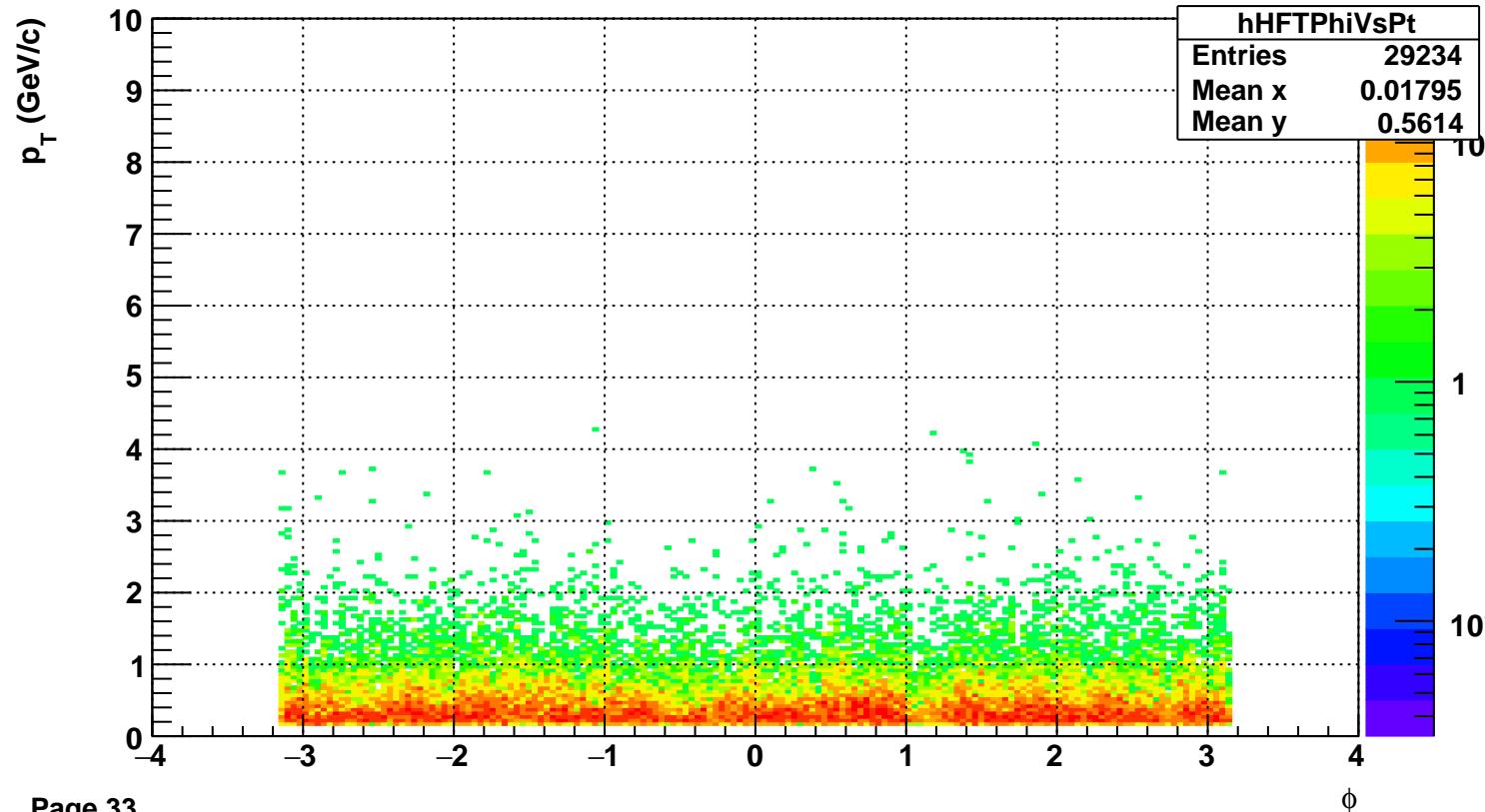
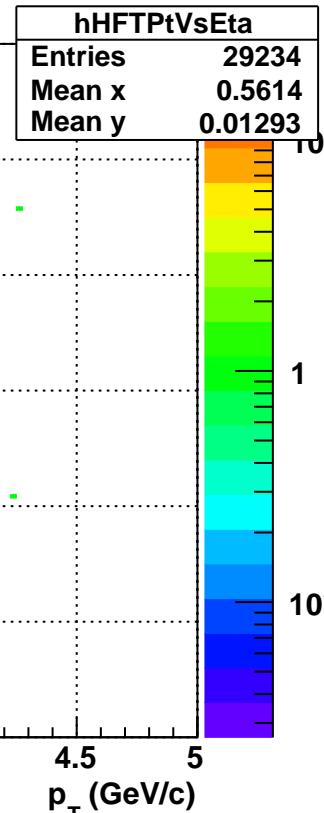
**hPhiVsEta**

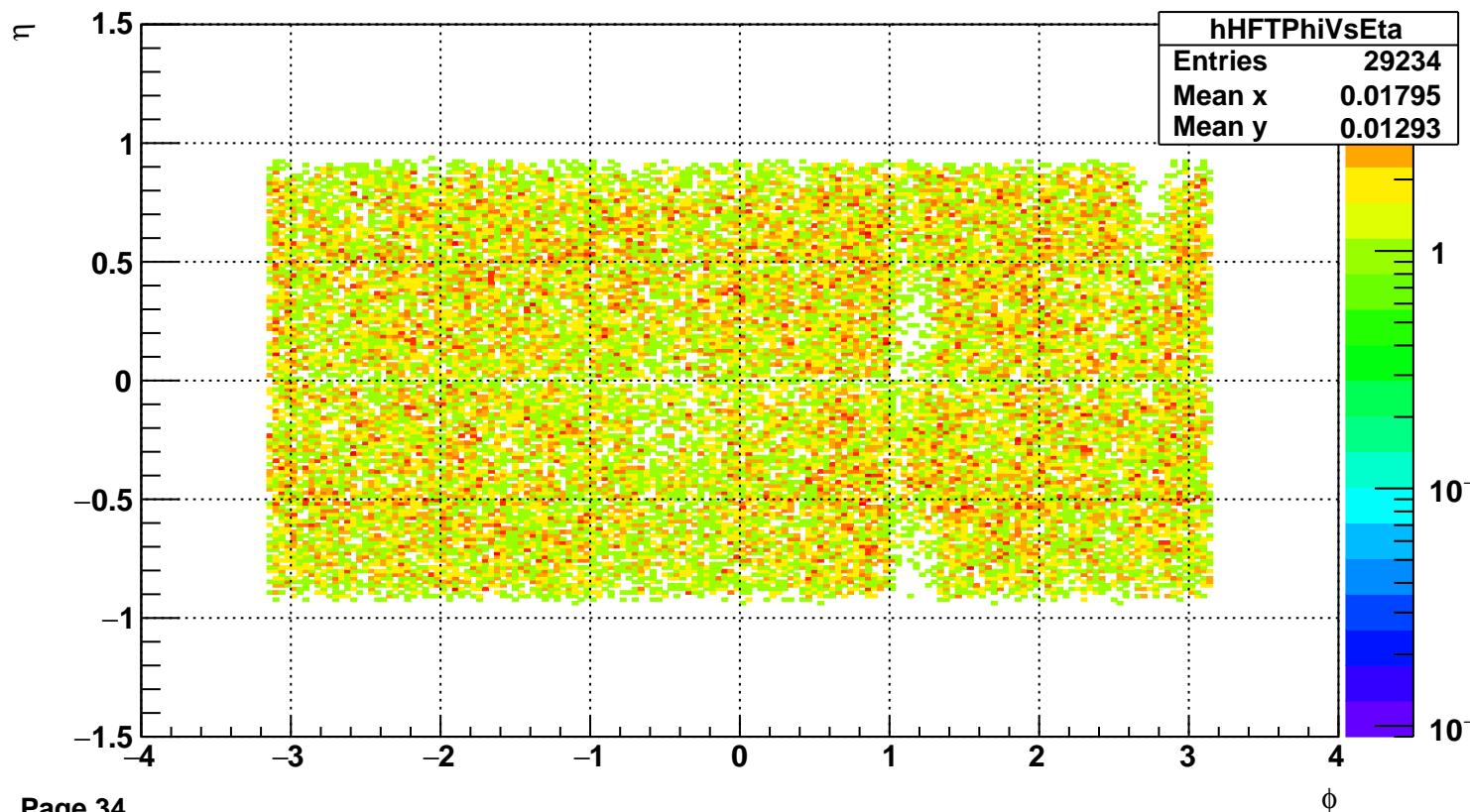
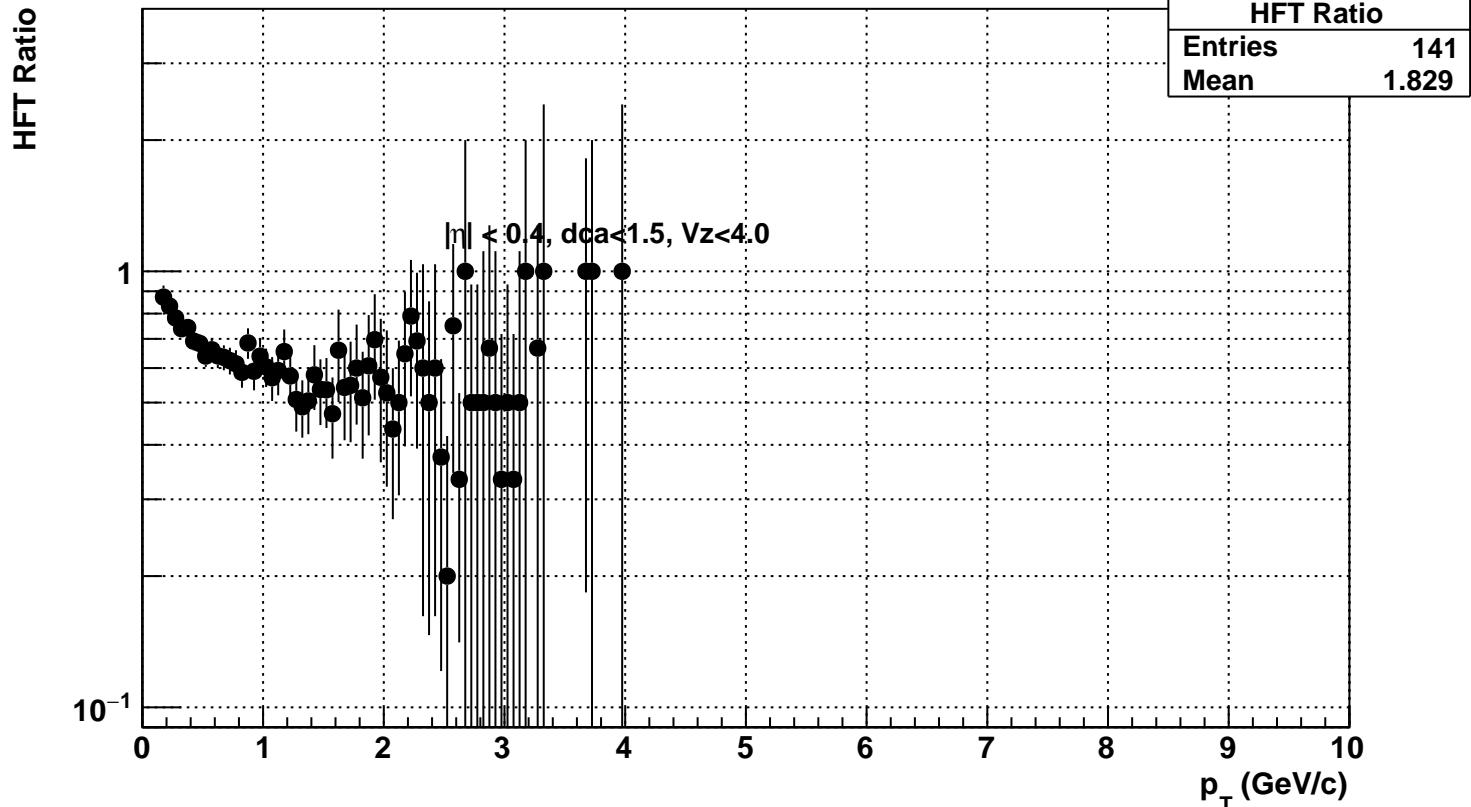
Entries 44945

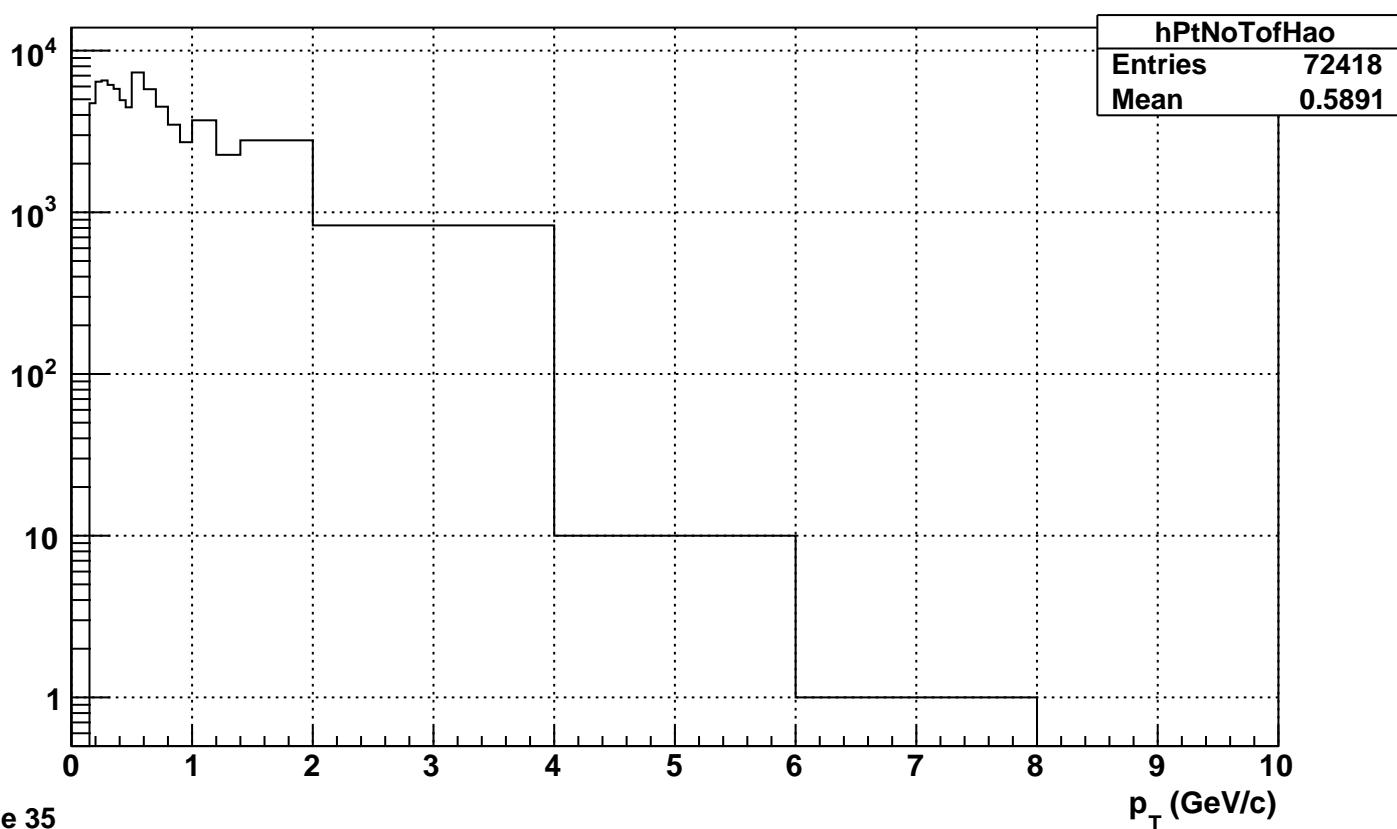
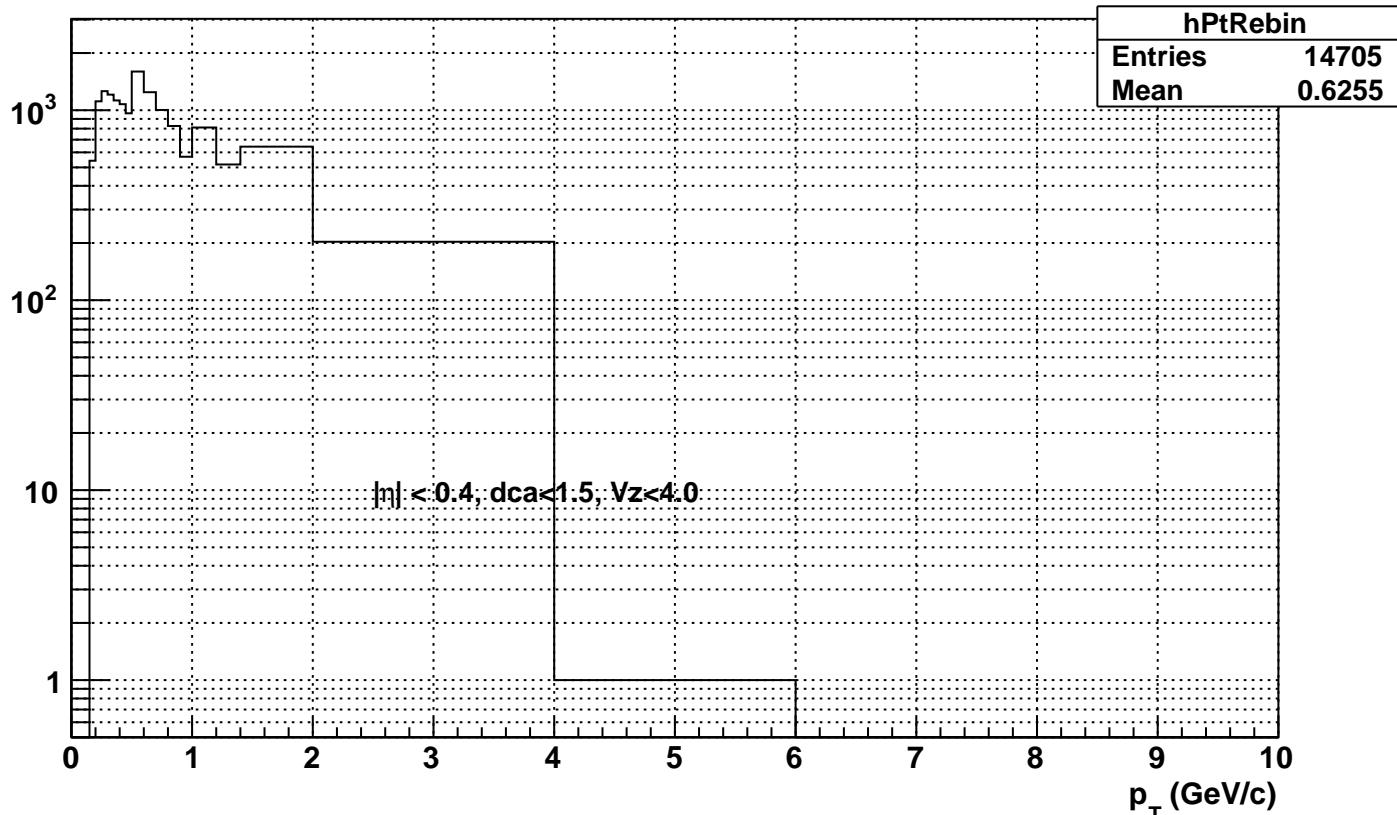
Mean x 0.0491

Mean y 0.01107

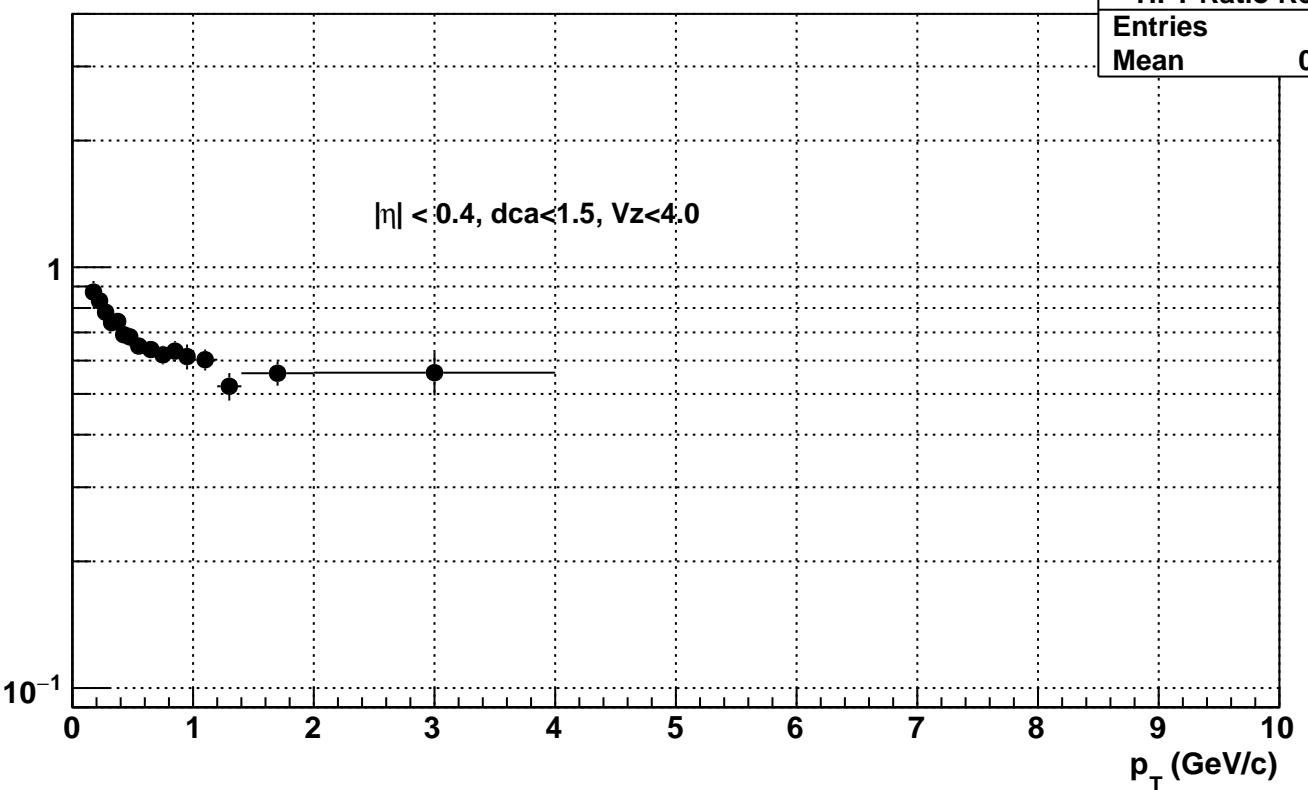
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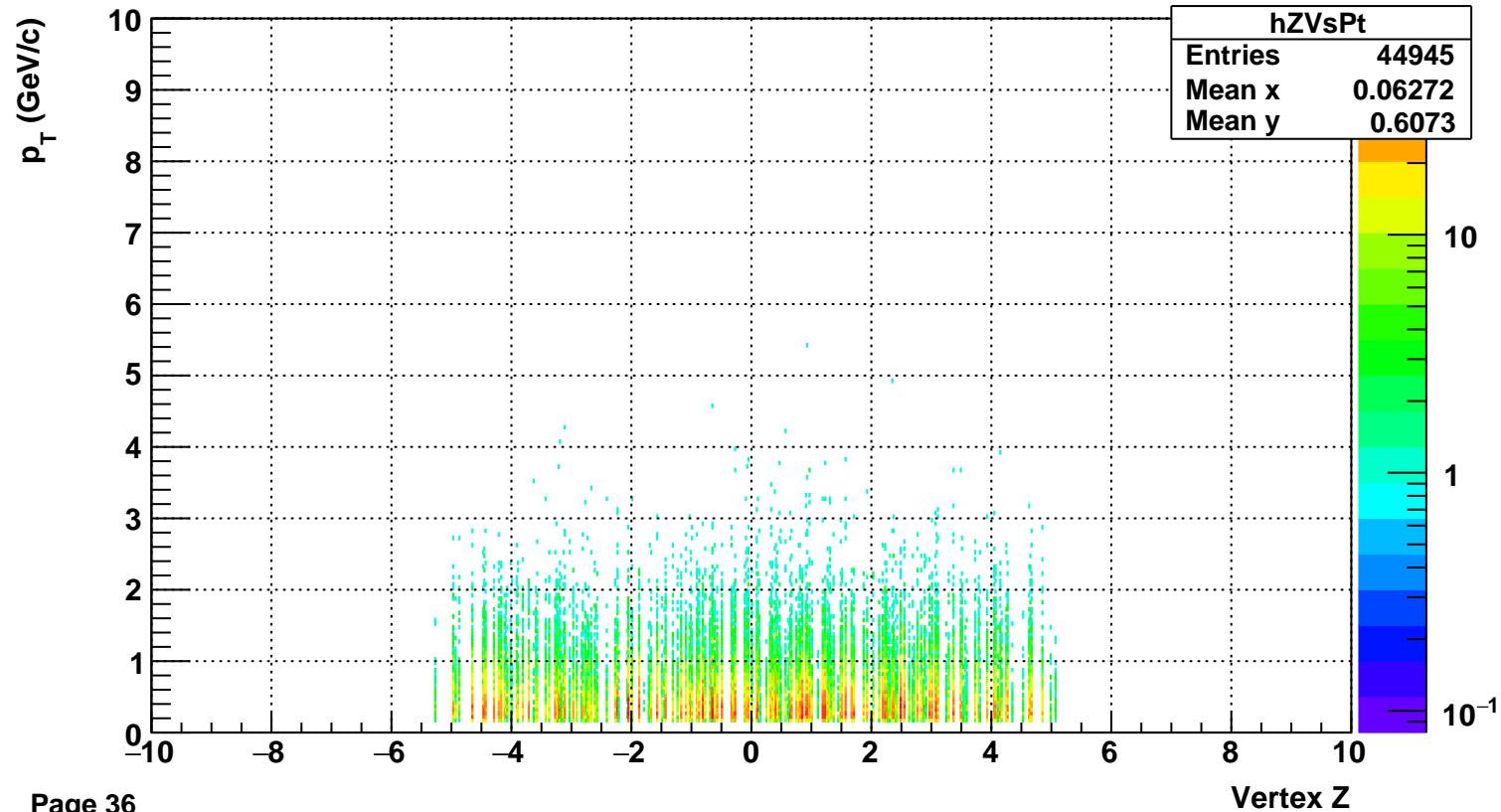


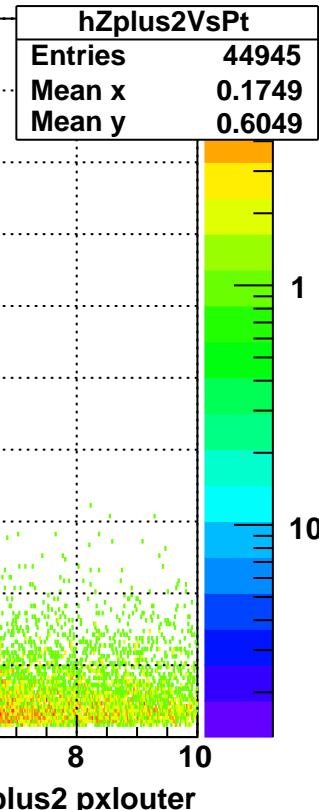
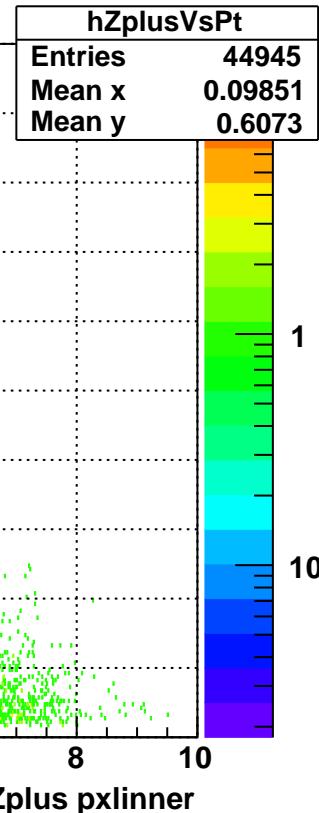


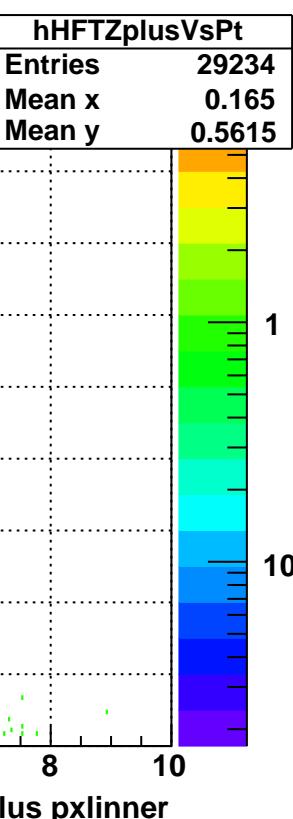
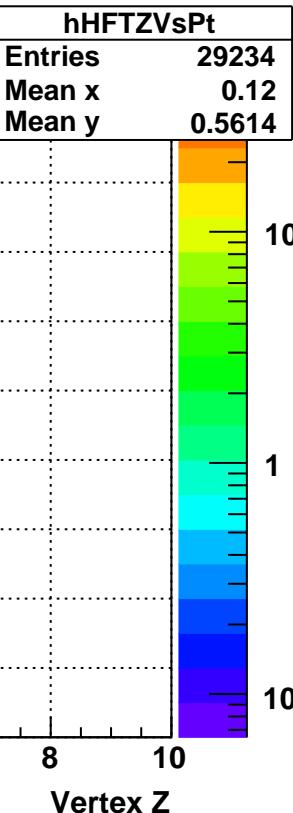
HFT Ratio Rebin
Entries 4830
Mean 0.7472



hZVsPt
Entries 44945
Mean x 0.06272
Mean y 0.6073

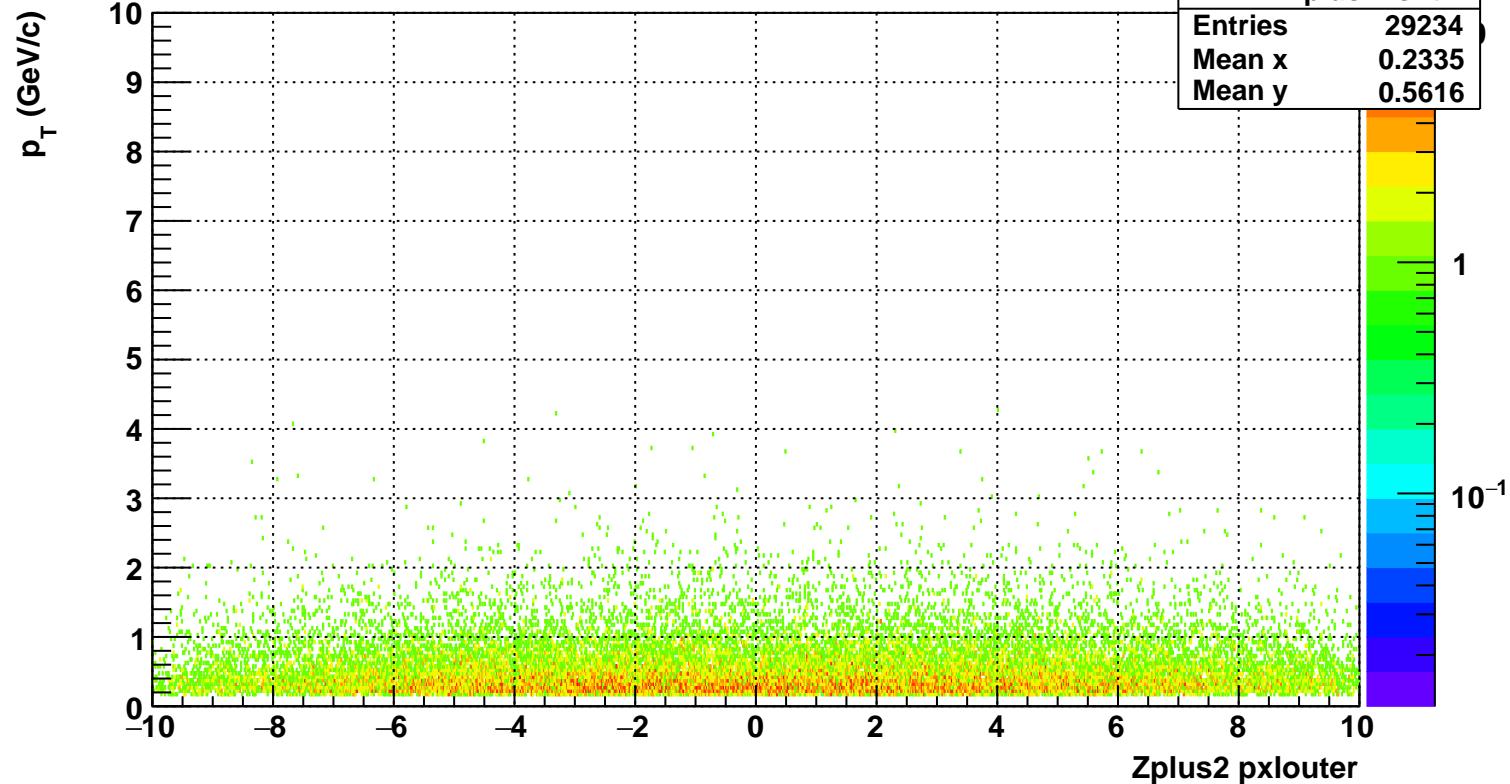






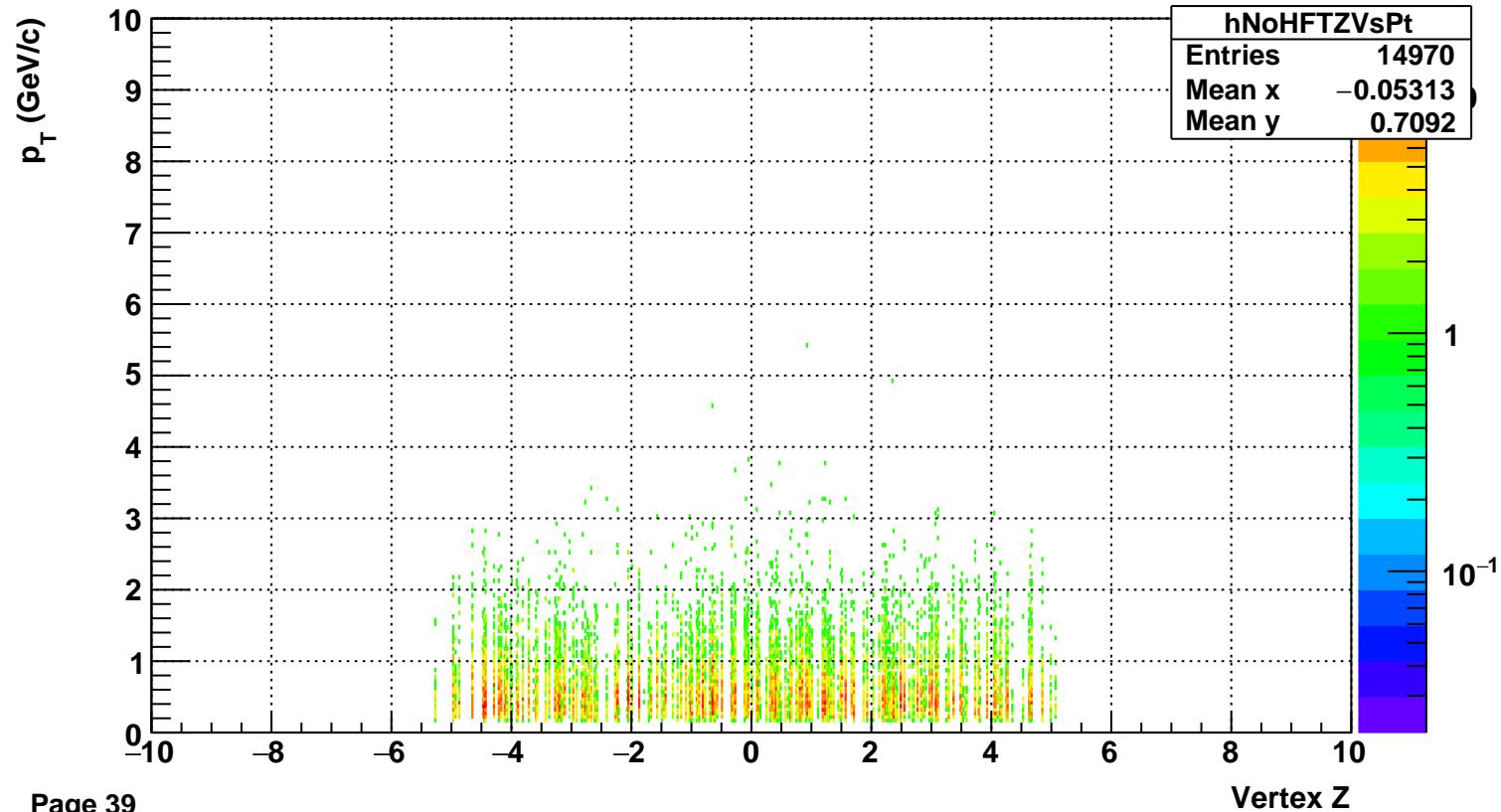
hHFTZplus2VsPt

Entries	29234
Mean x	0.2335
Mean y	0.5616



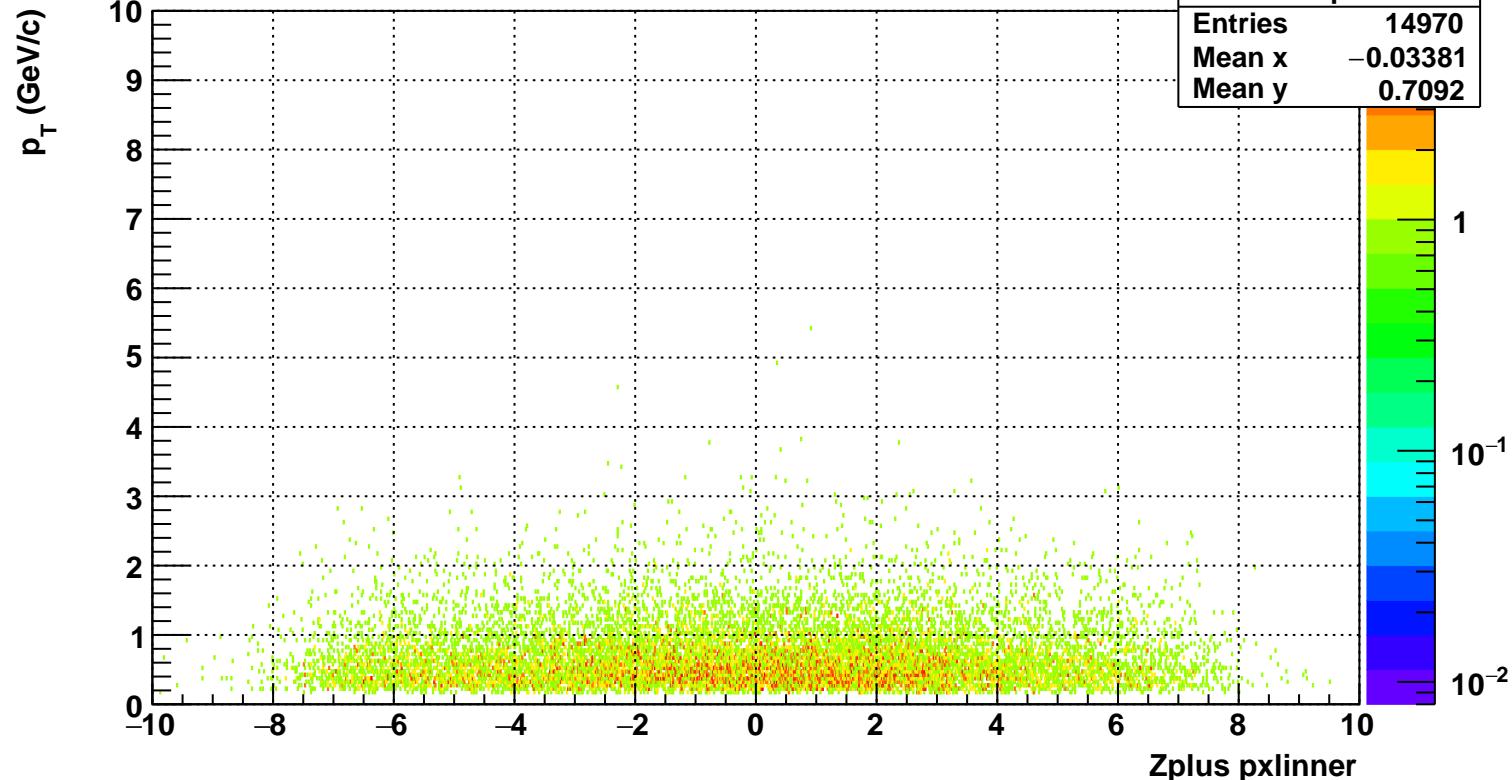
hNoHFTZVsPt

Entries	14970
Mean x	-0.05313
Mean y	0.7092



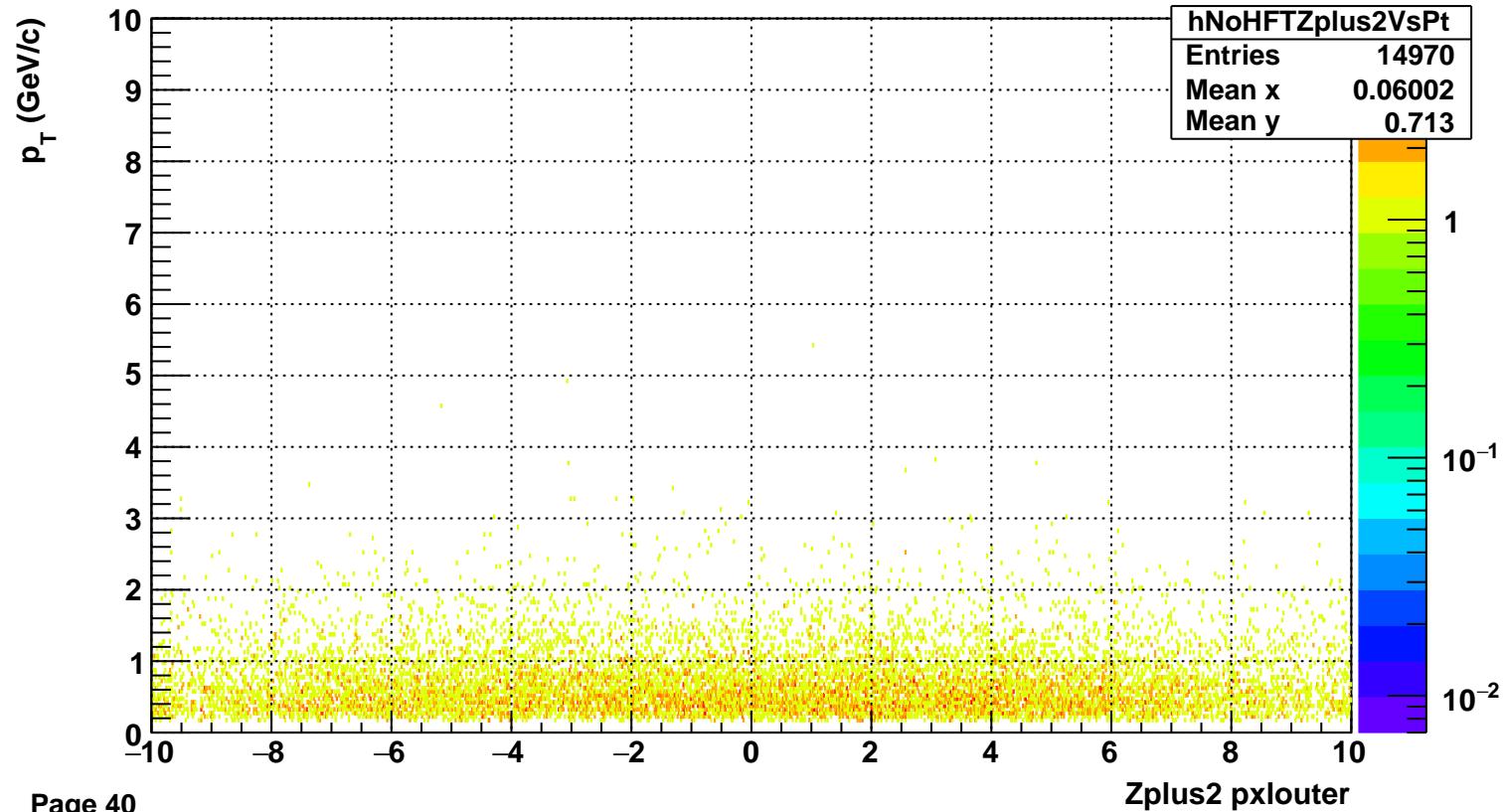
hNoHFTZplusVsPt

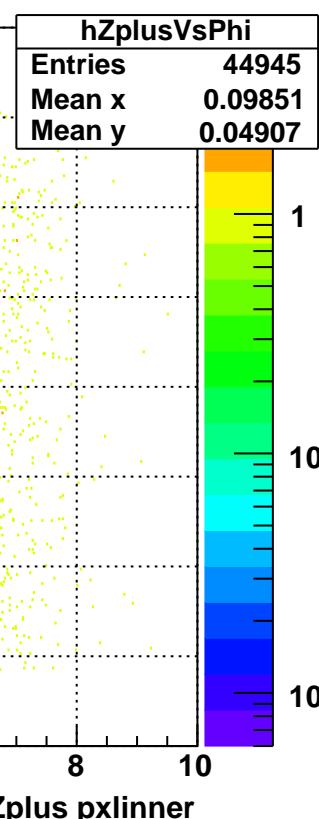
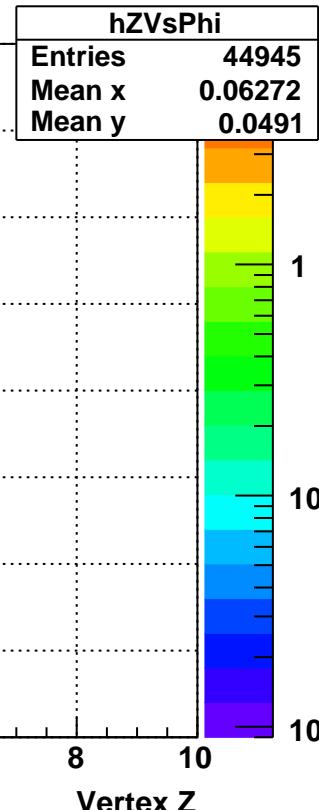
Entries	14970
Mean x	-0.03381
Mean y	0.7092

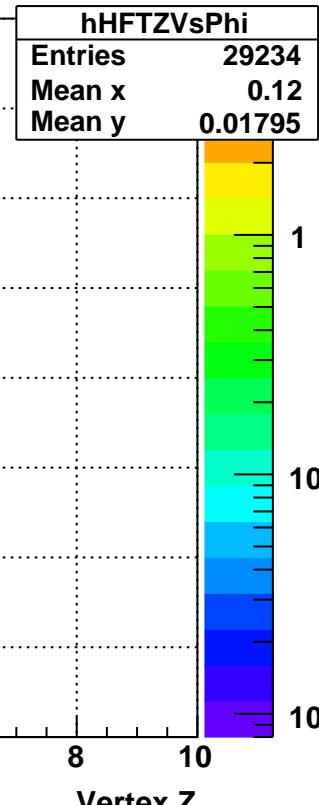
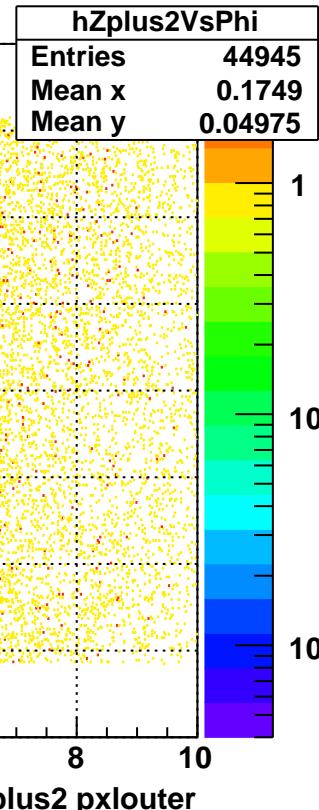


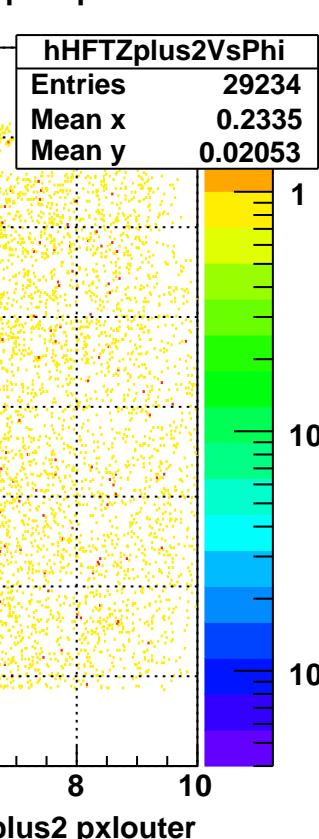
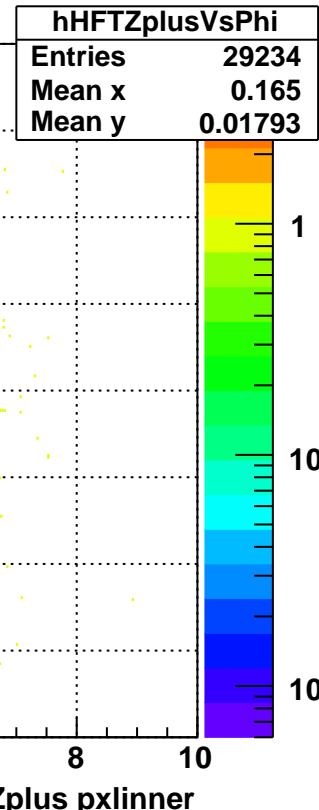
hNoHFTZplus2VsPt

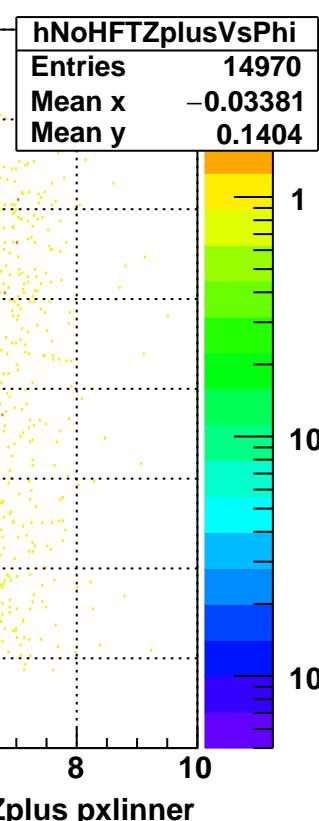
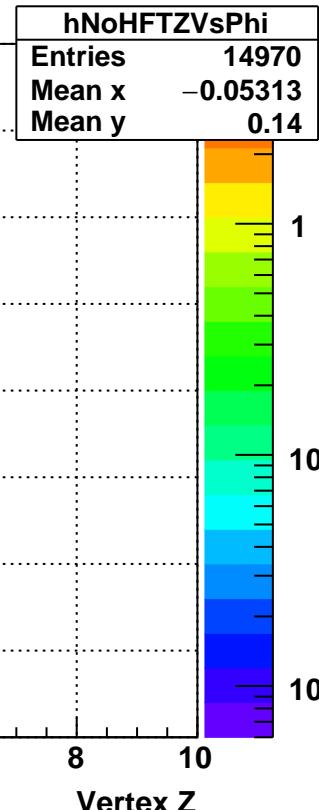
Entries	14970
Mean x	0.06002
Mean y	0.713

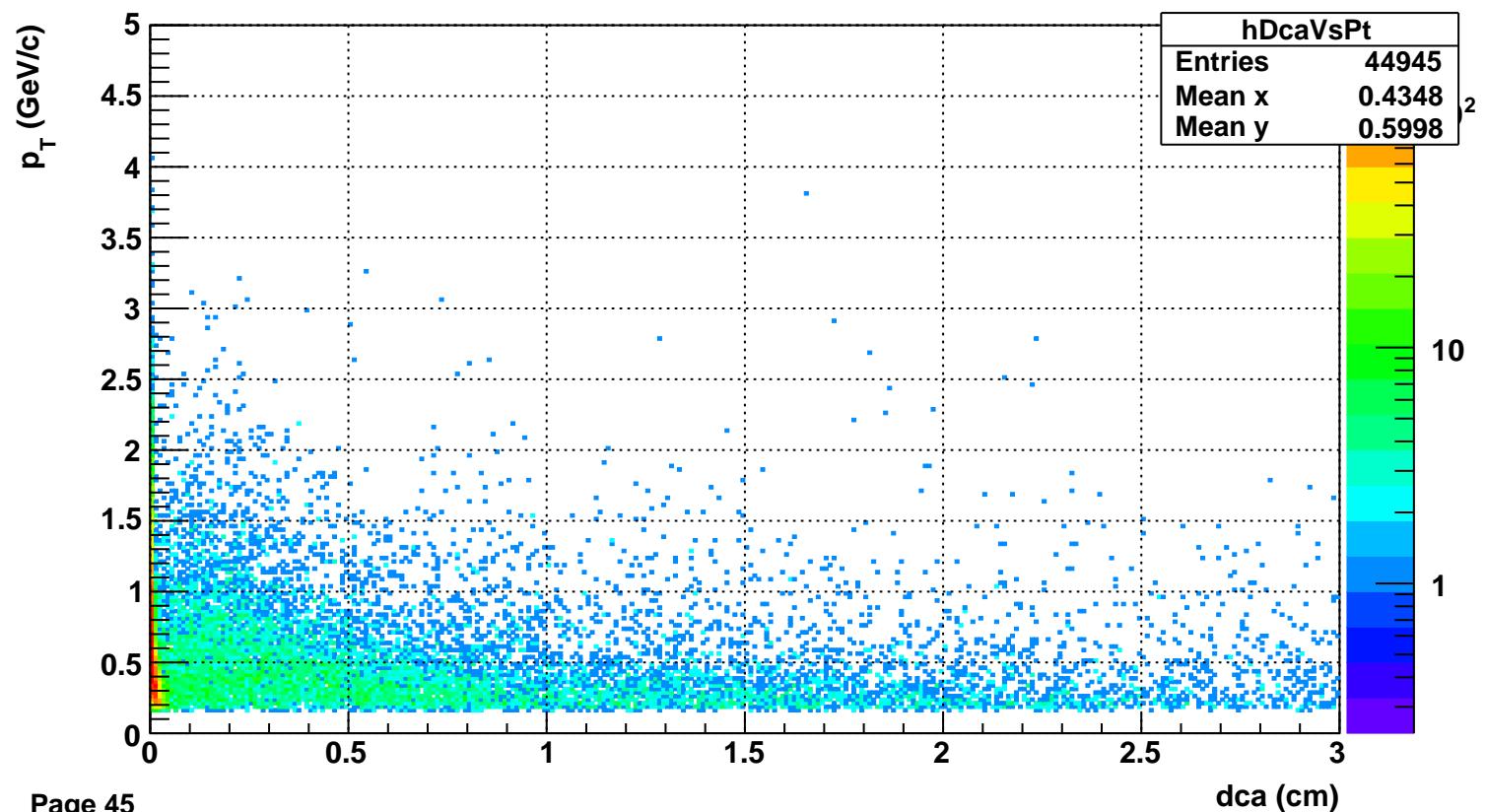
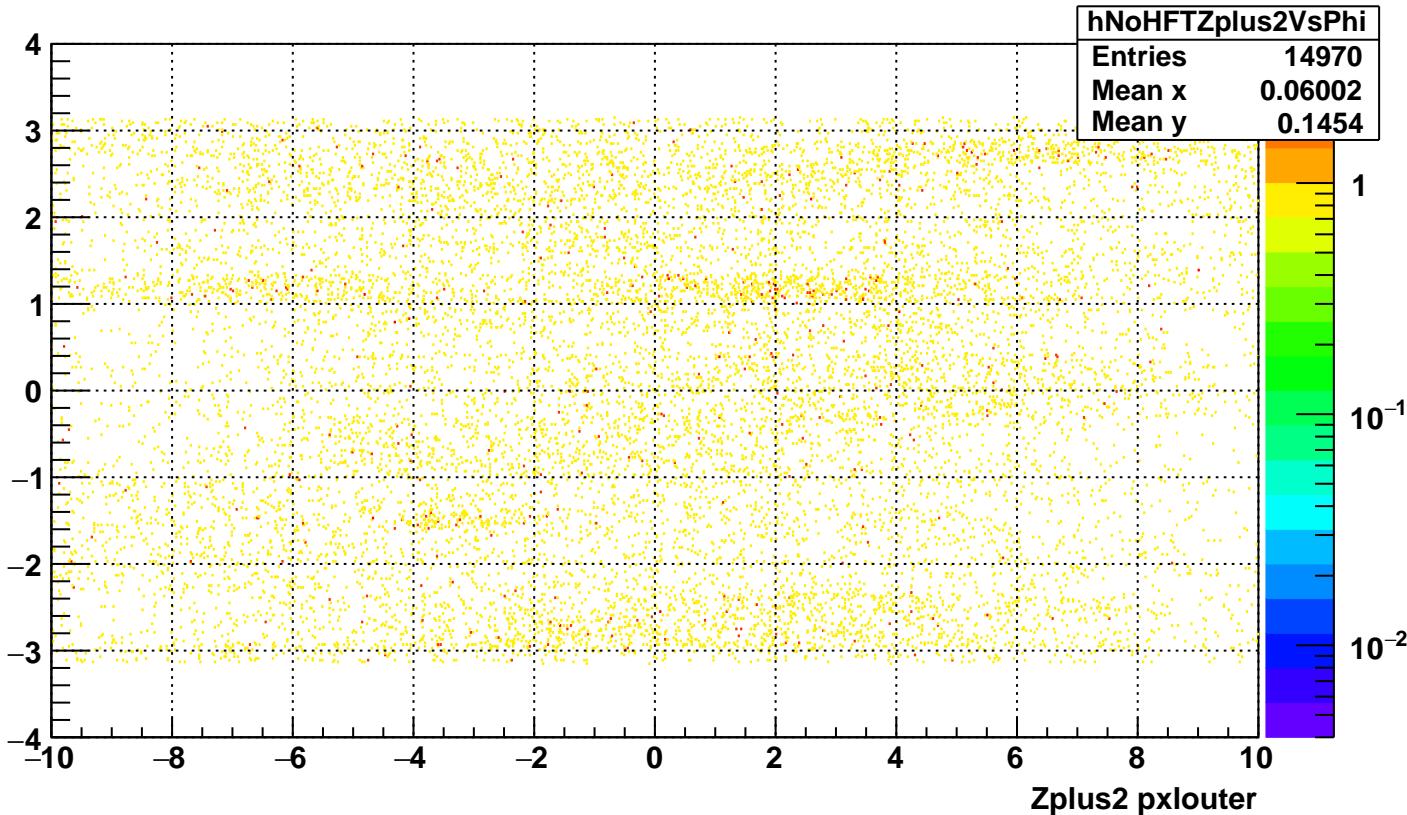


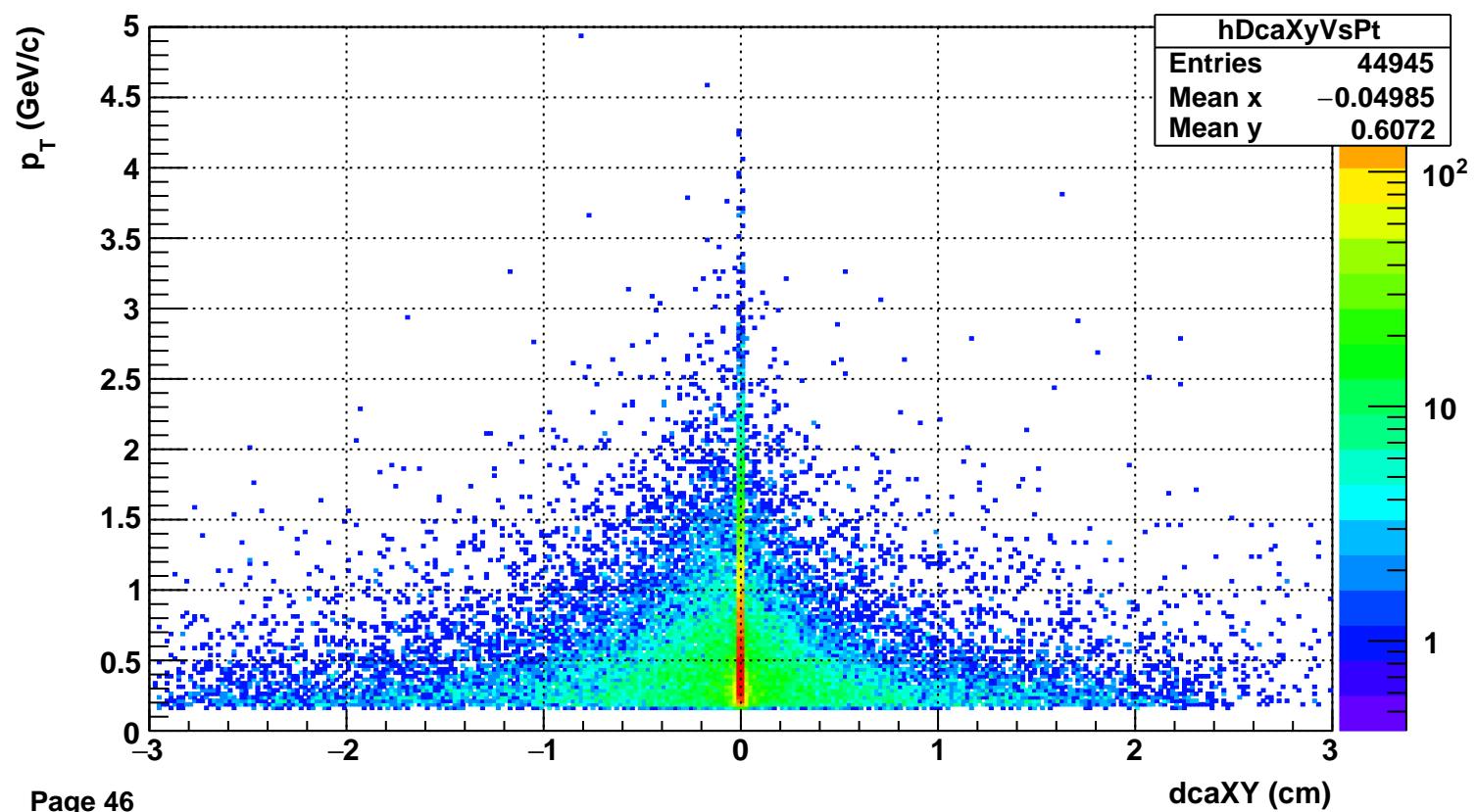
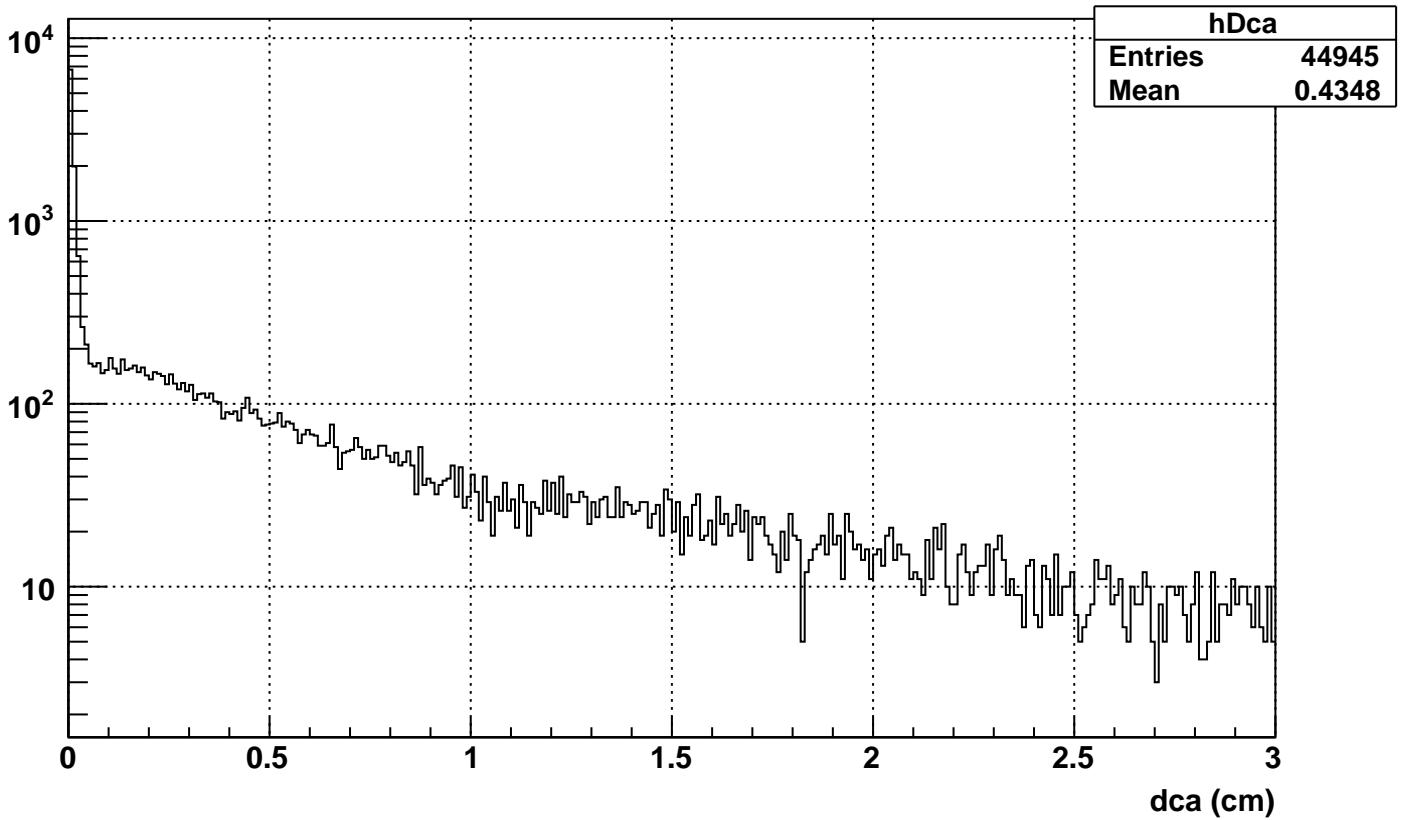


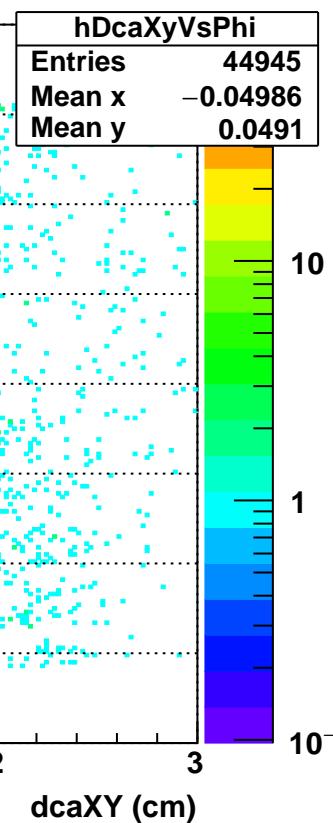
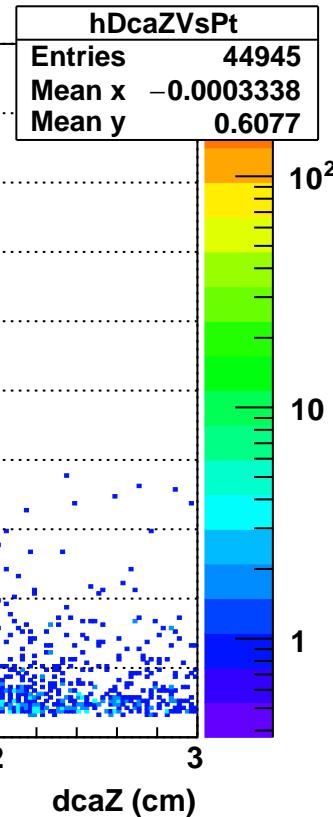


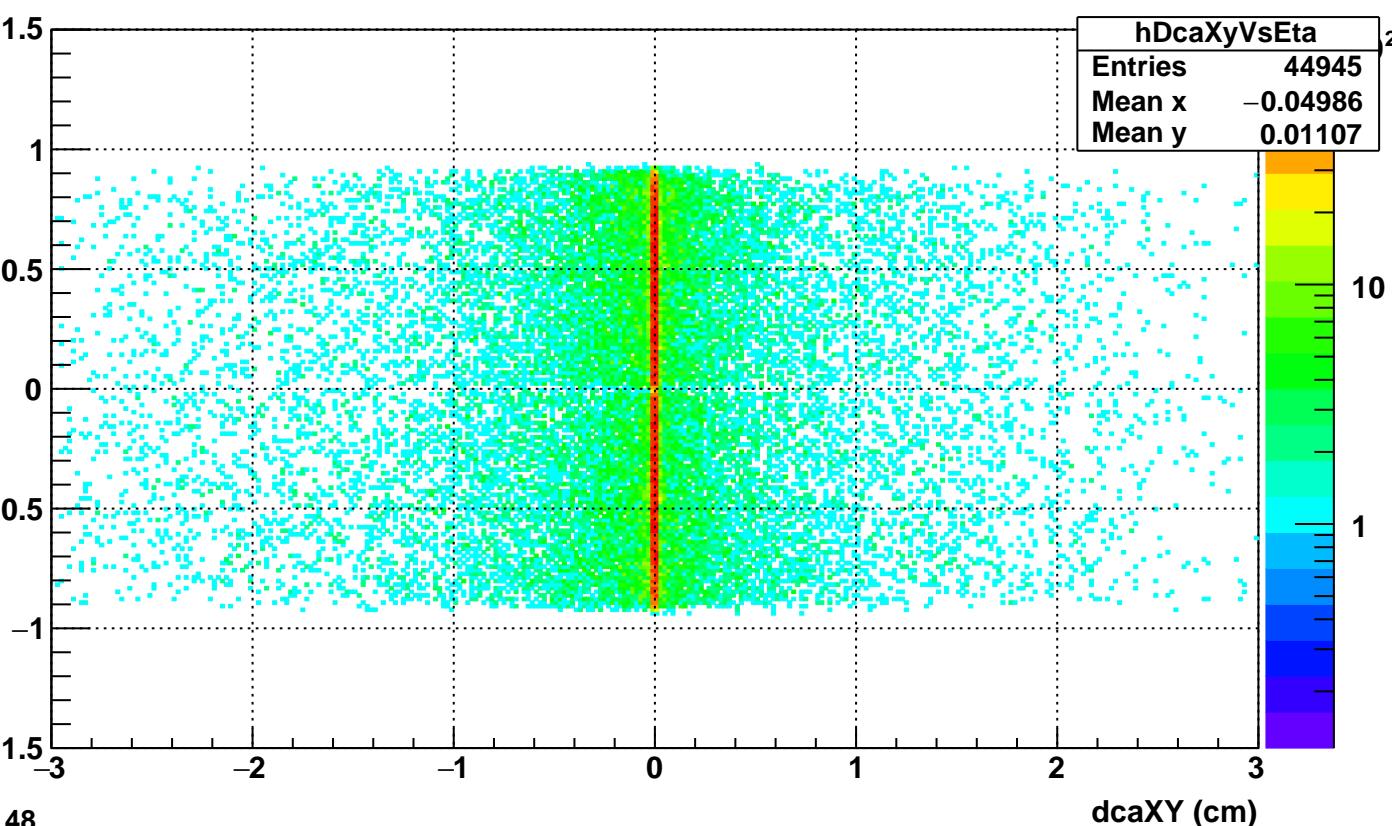
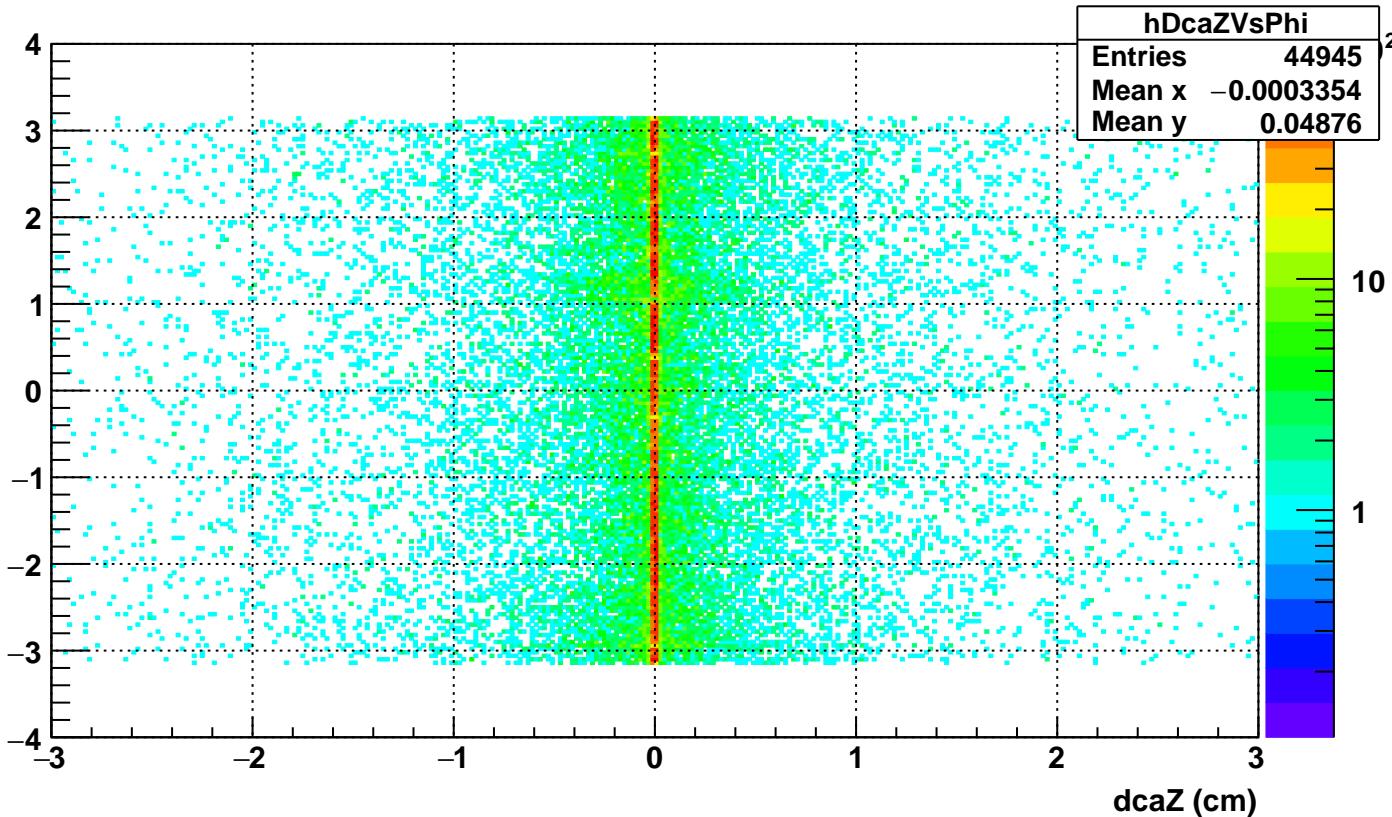


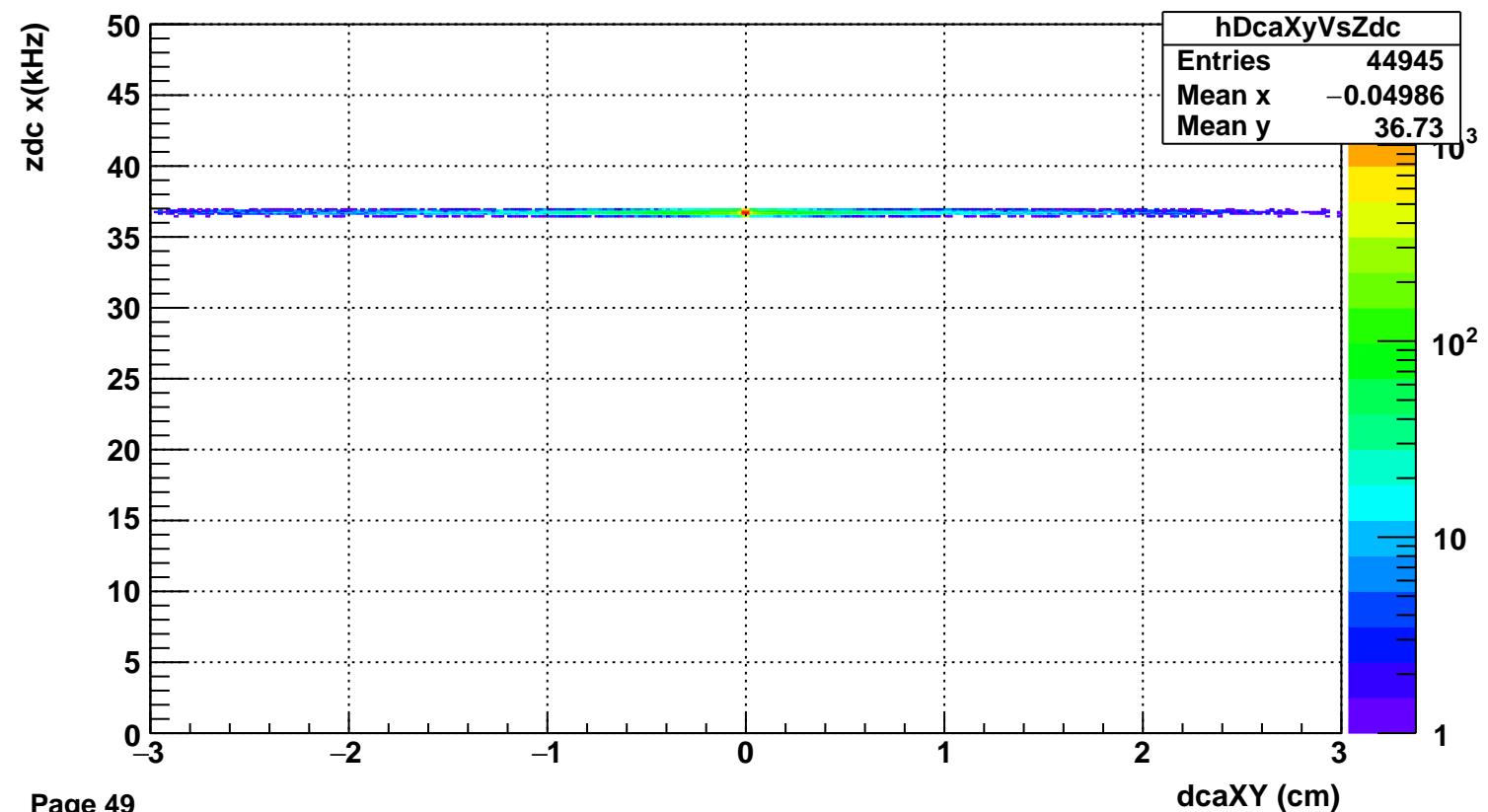
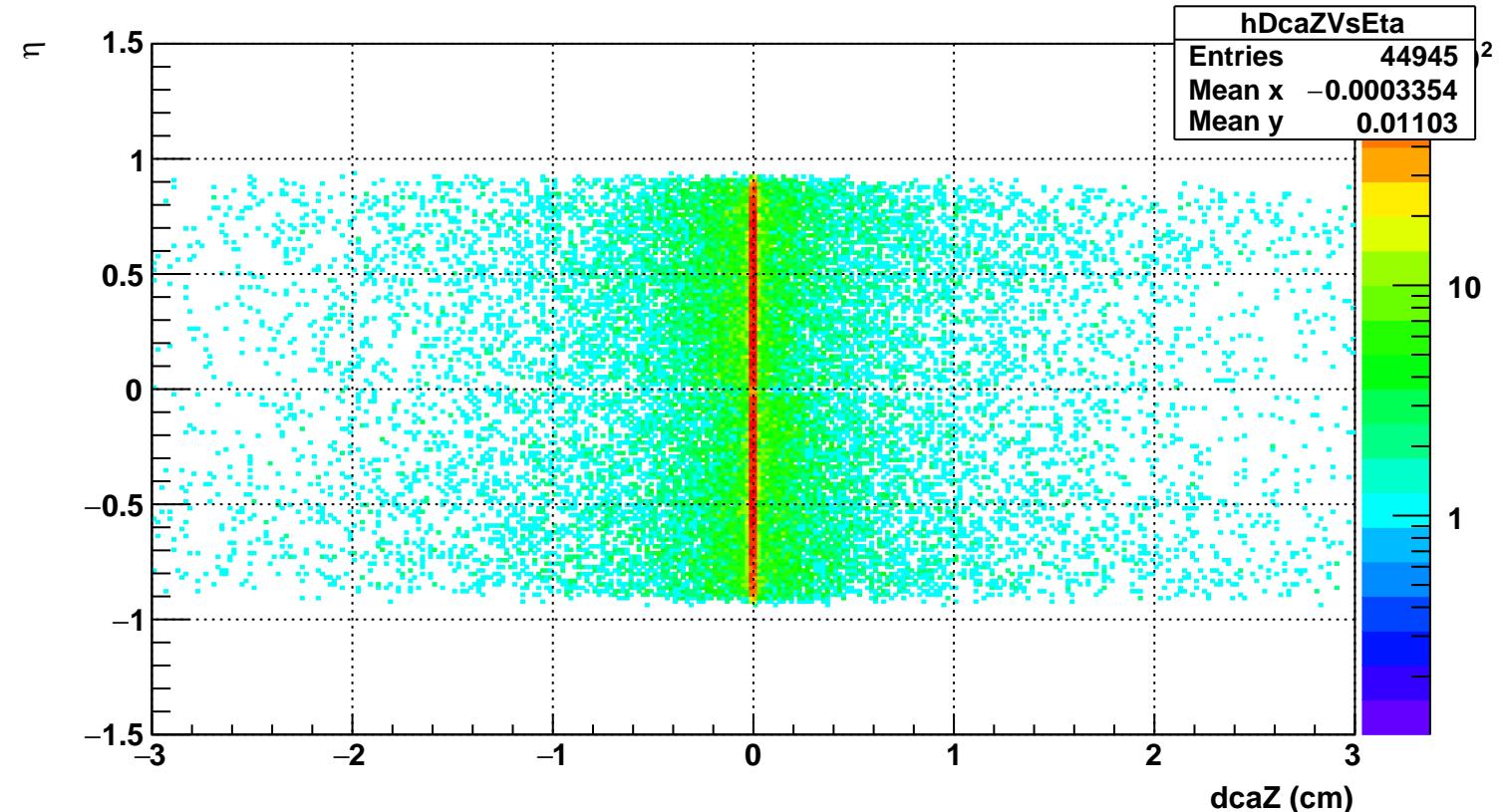


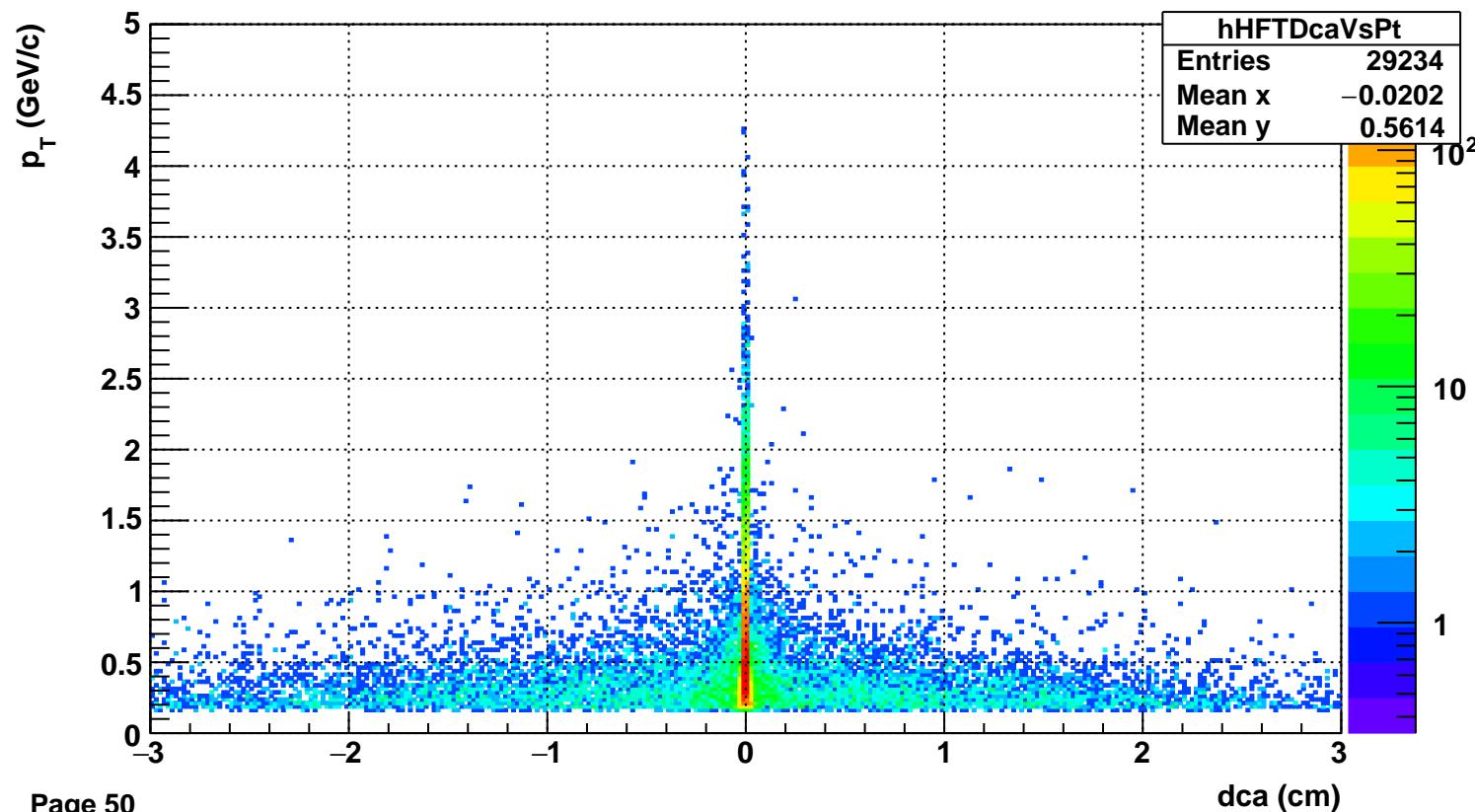
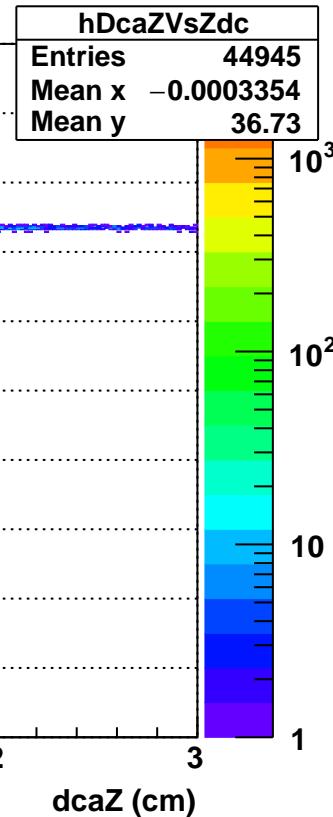


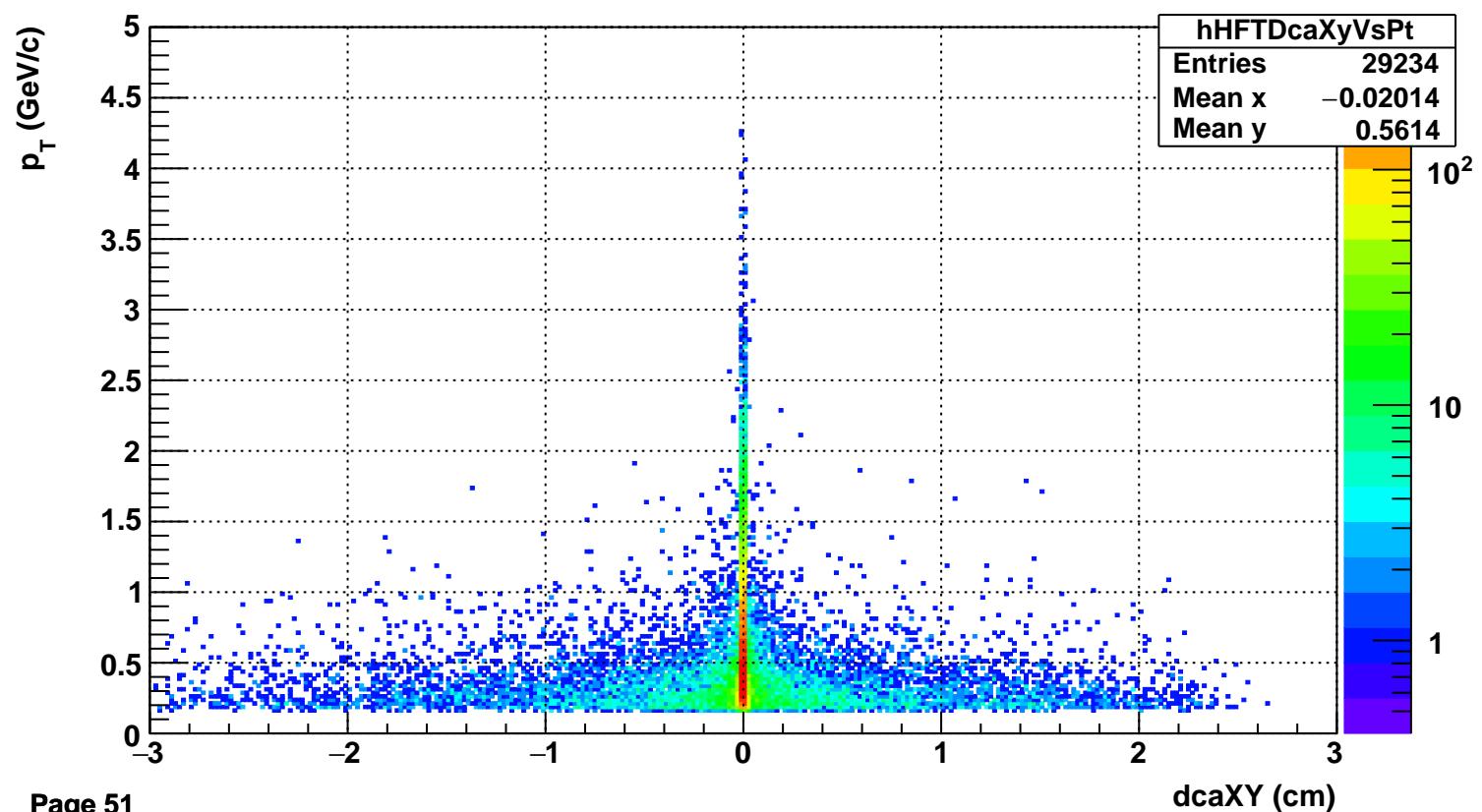
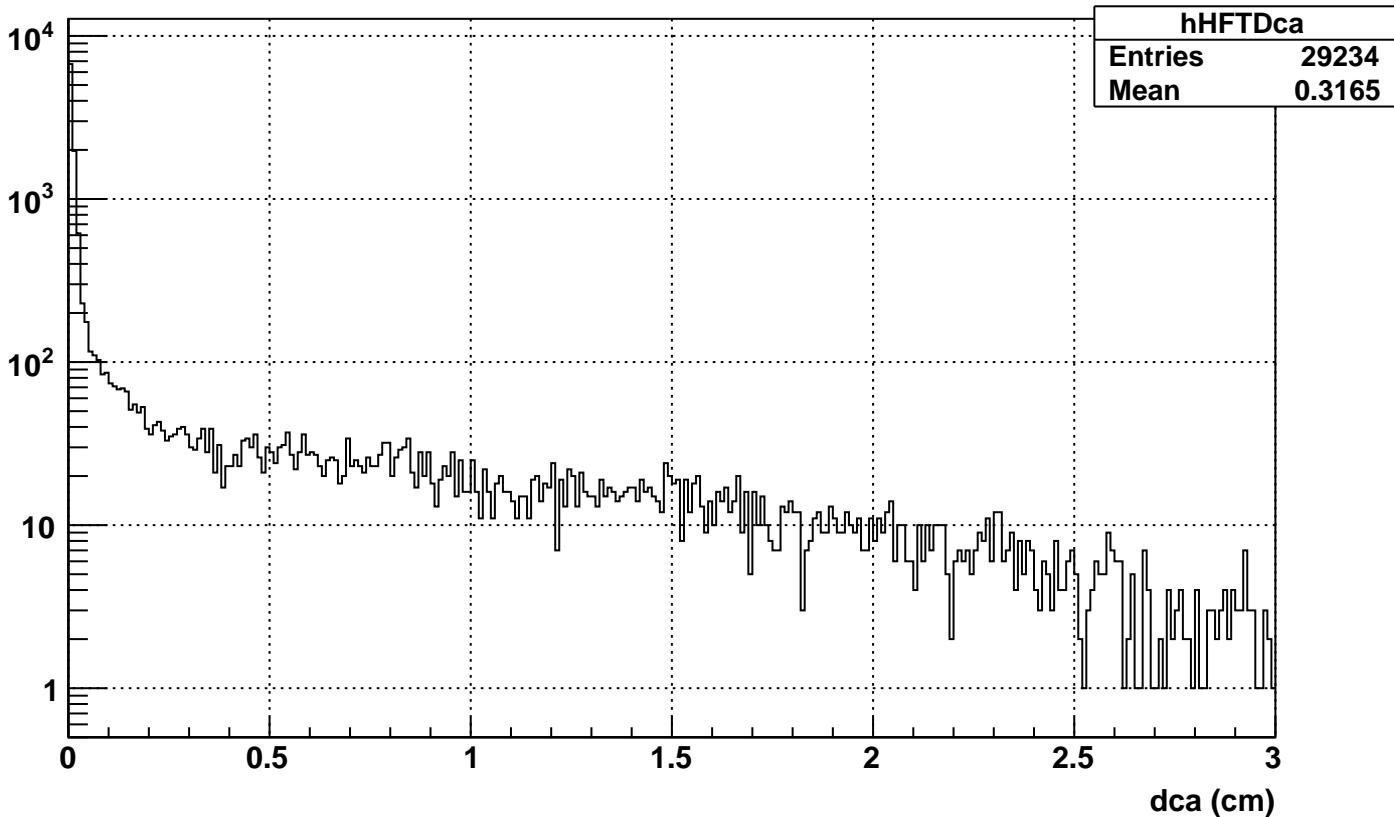


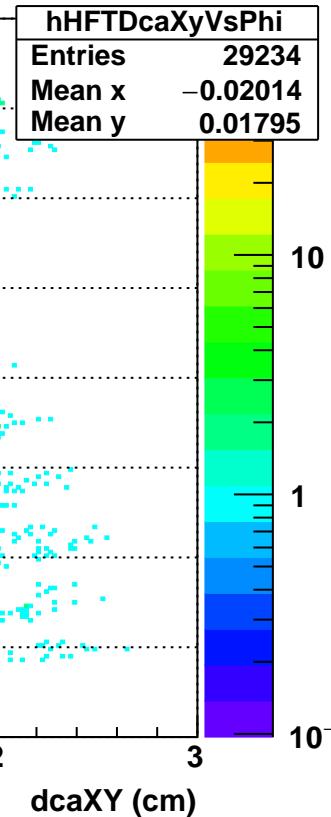
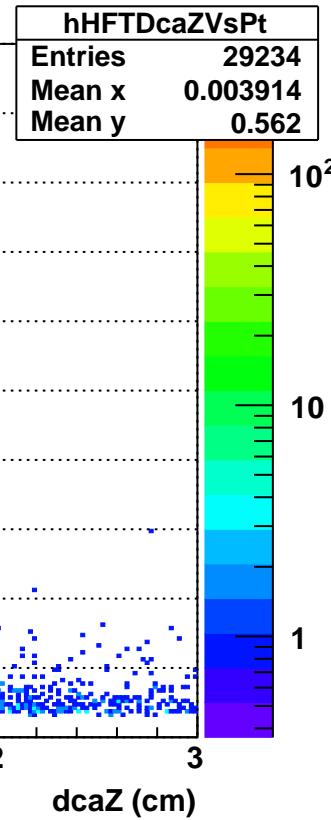


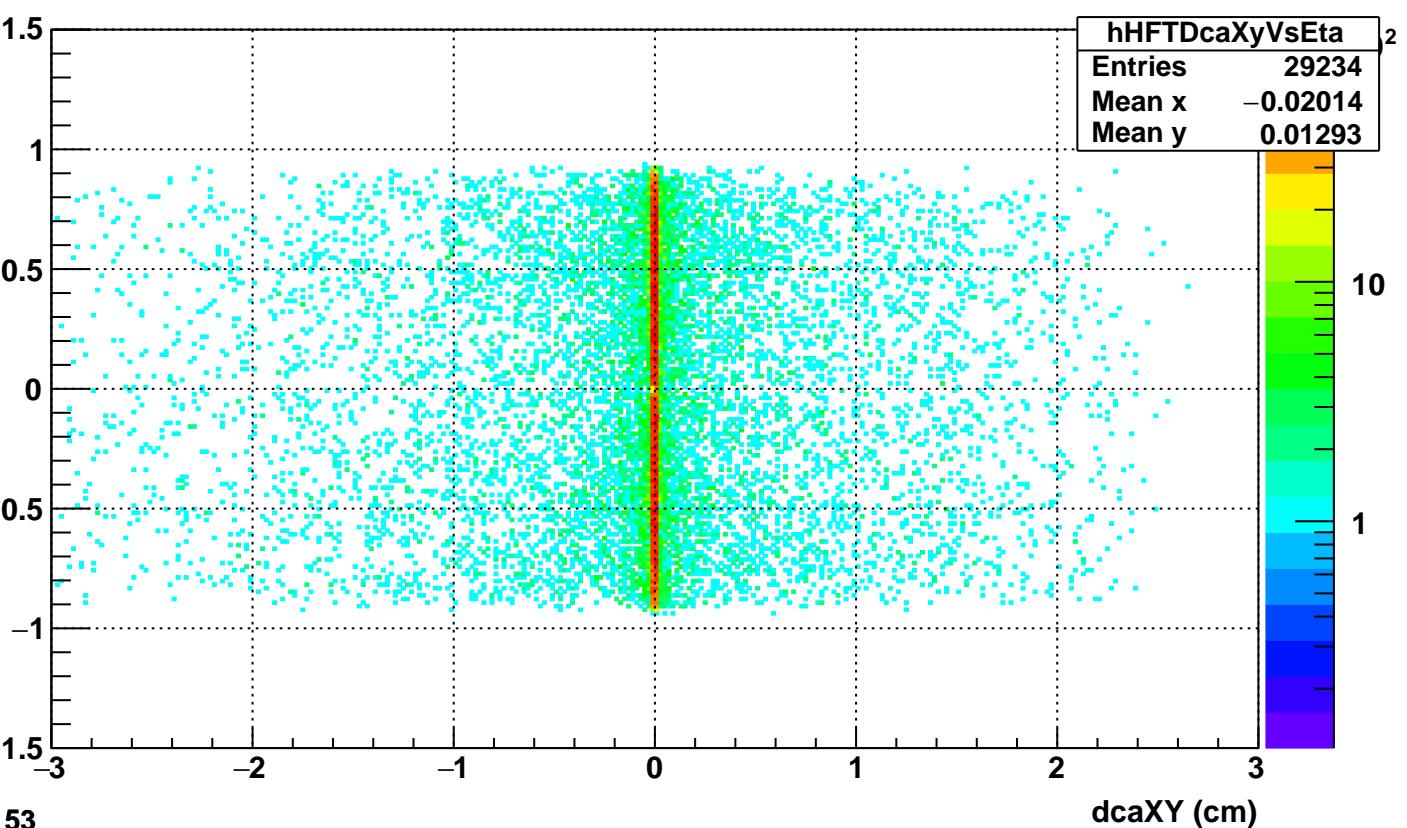
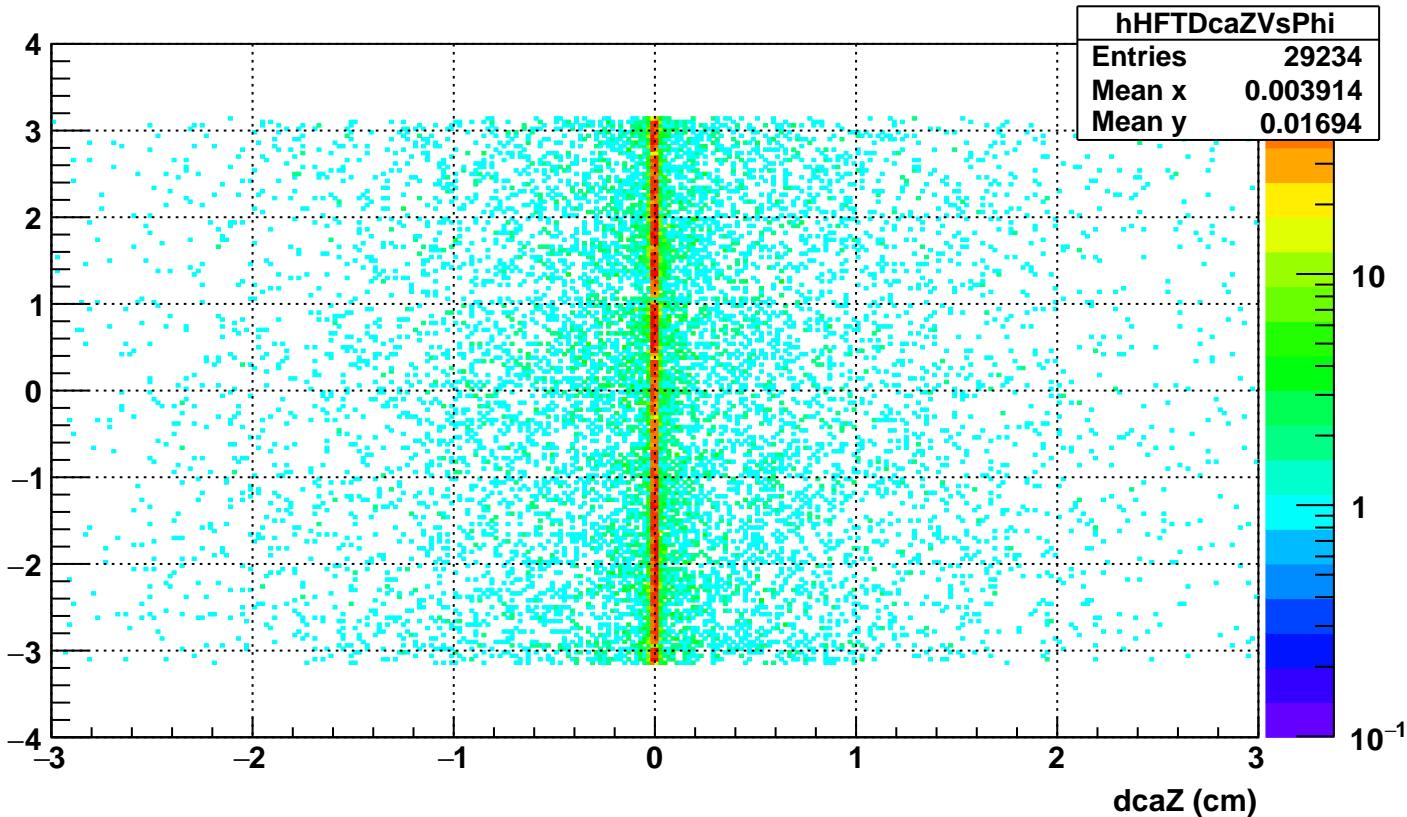


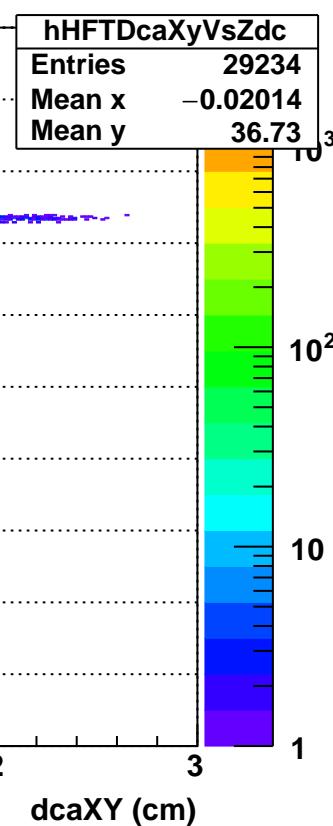
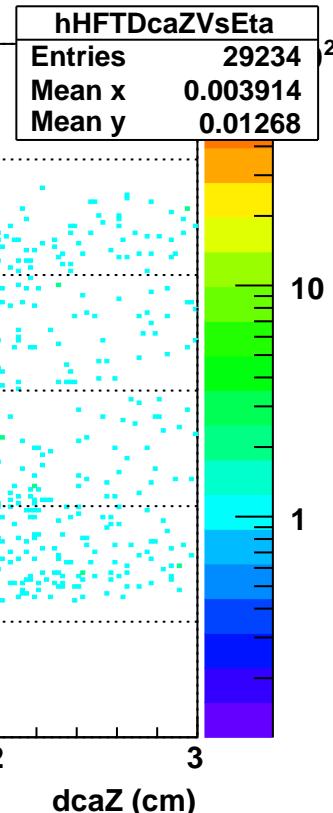


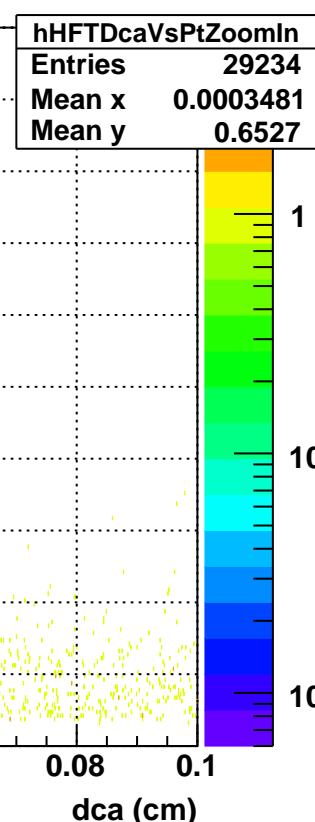
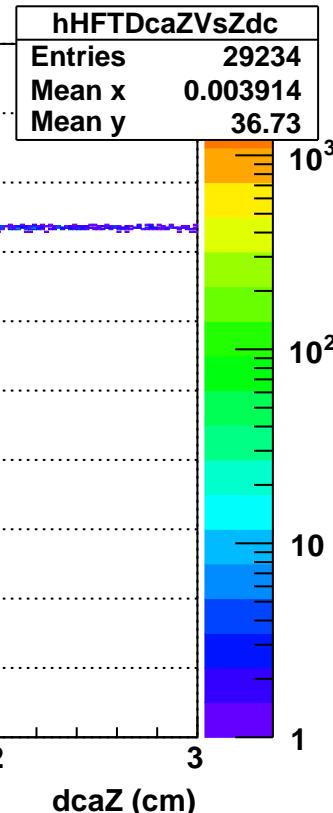


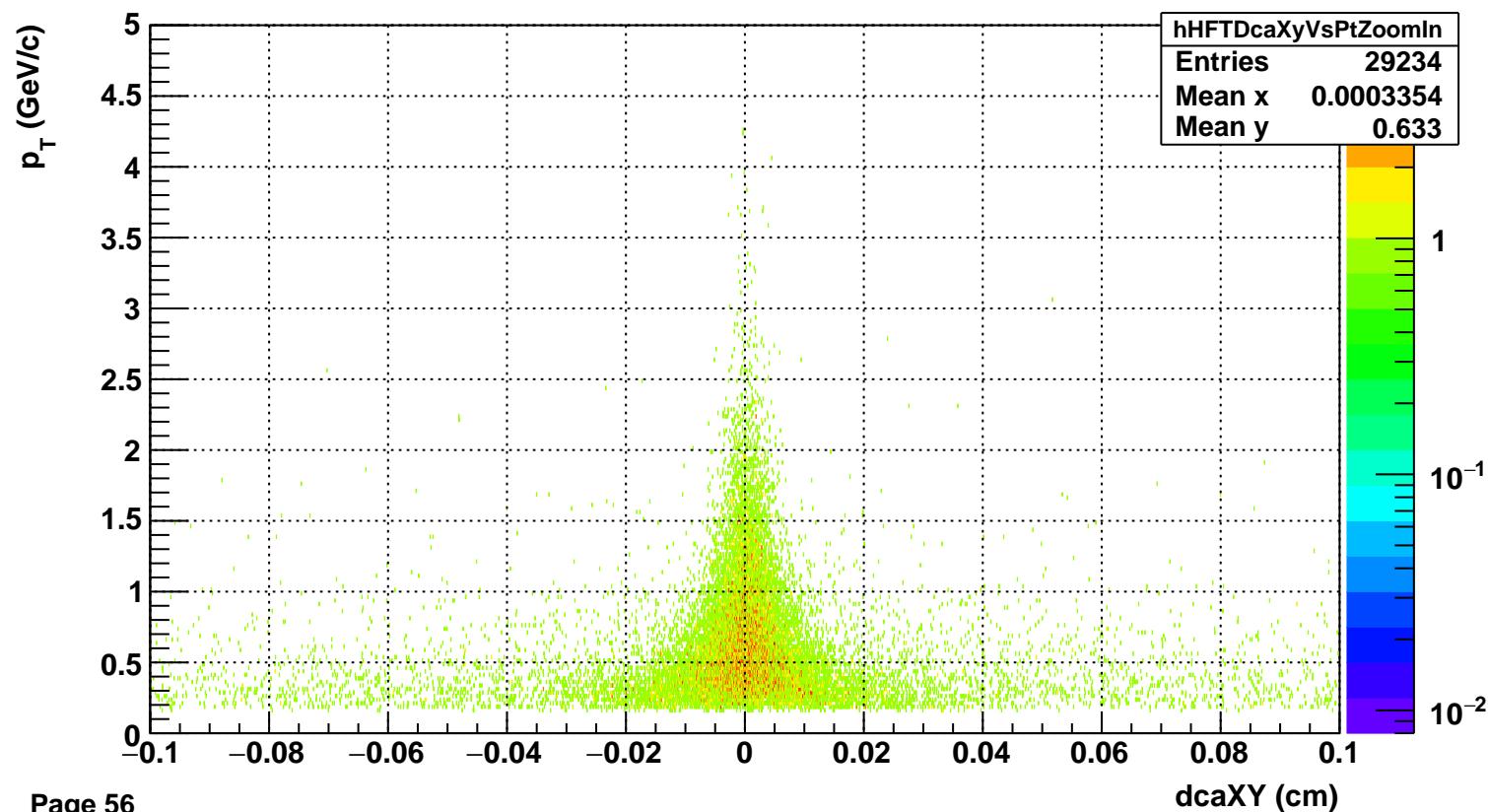
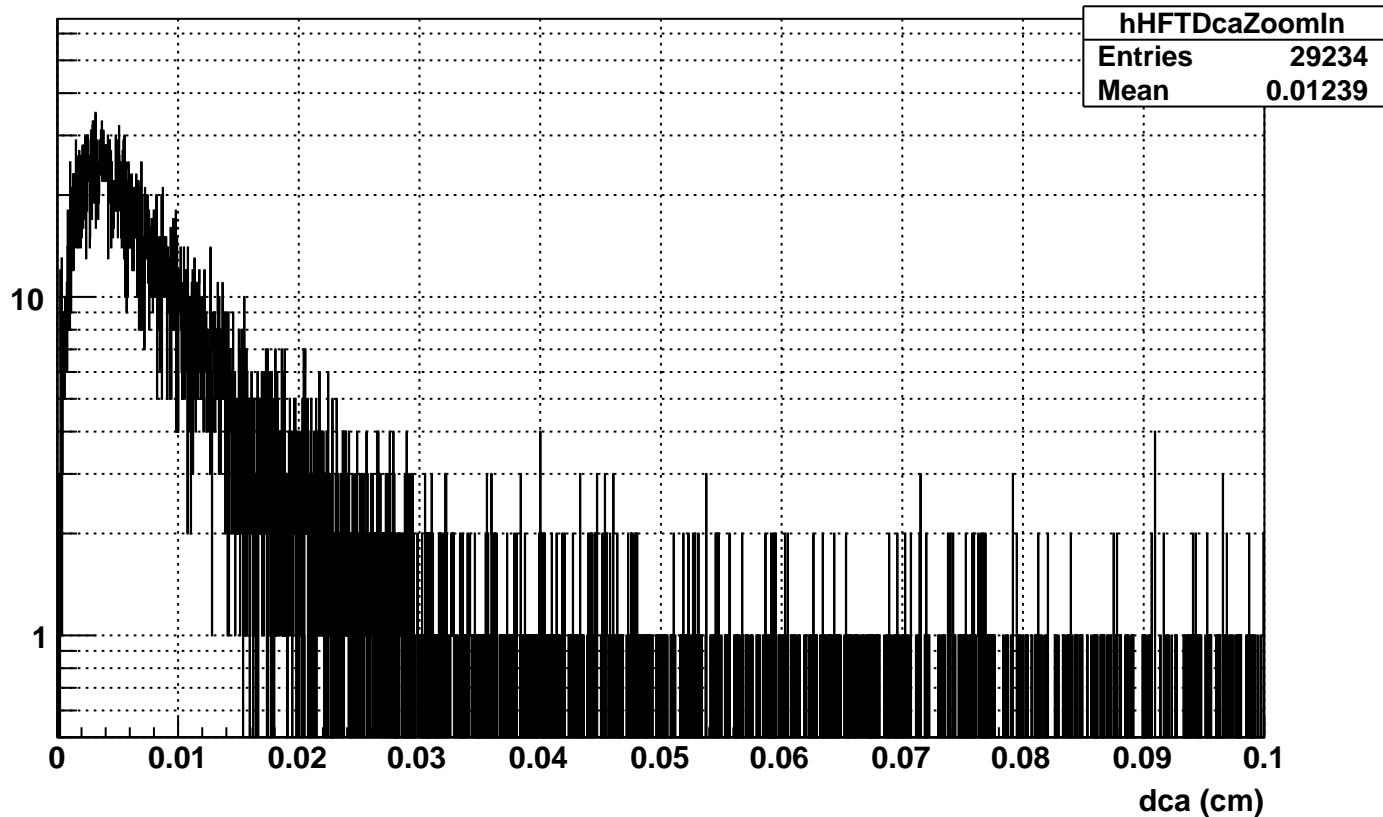






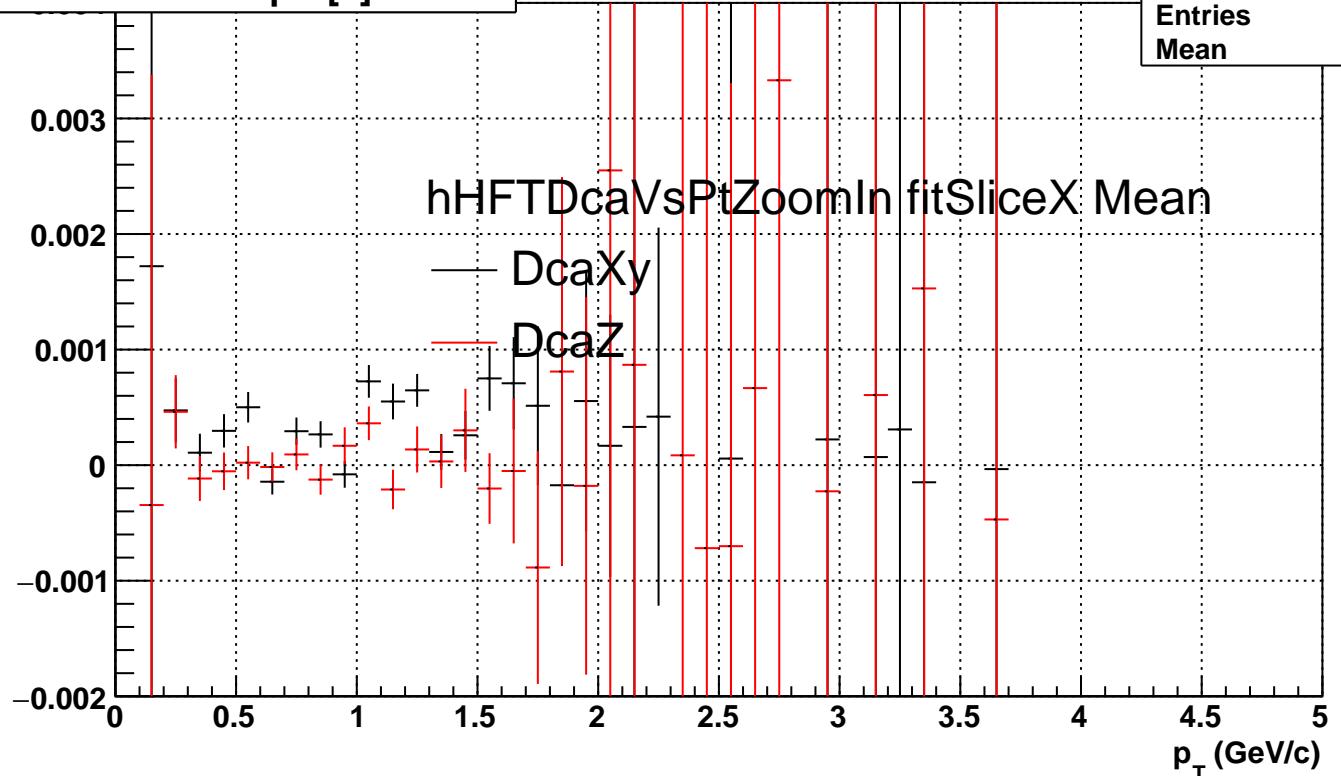






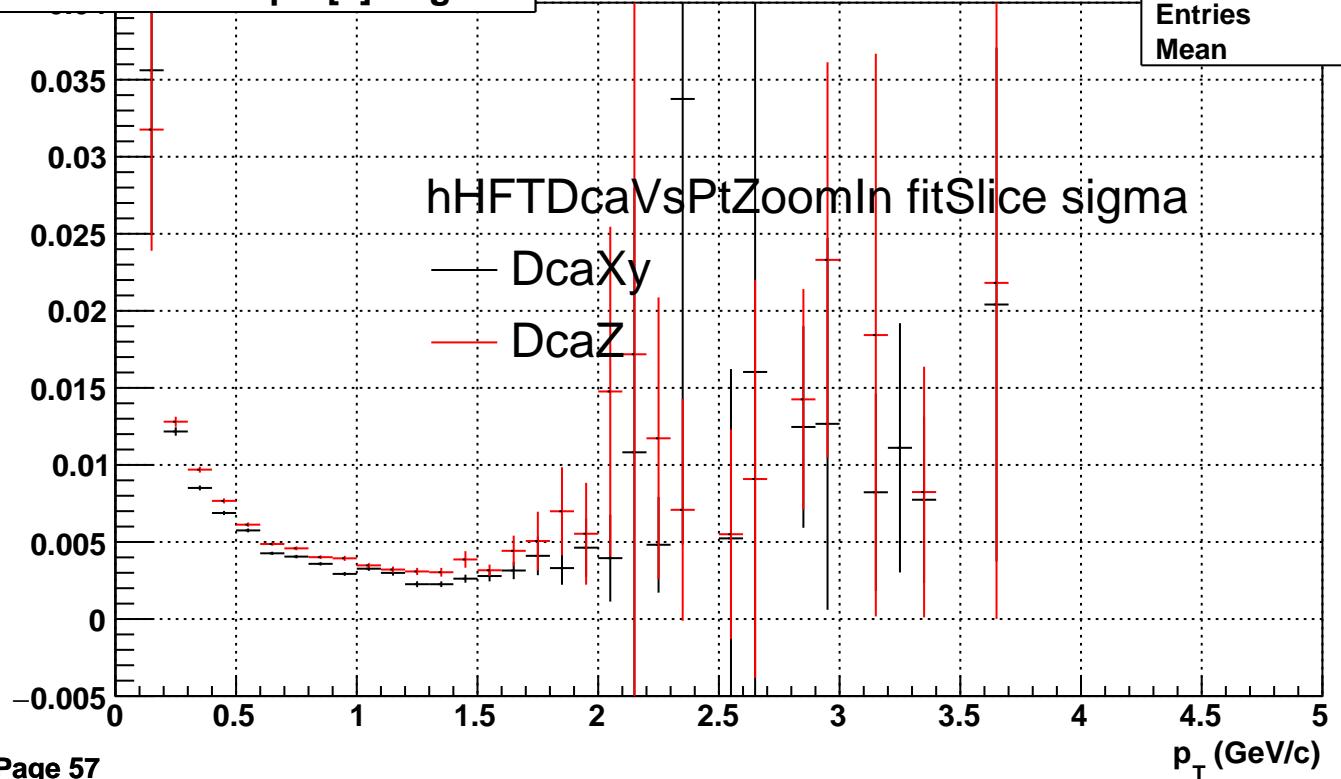
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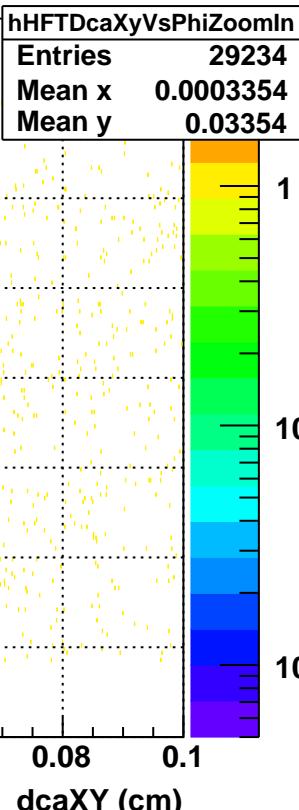
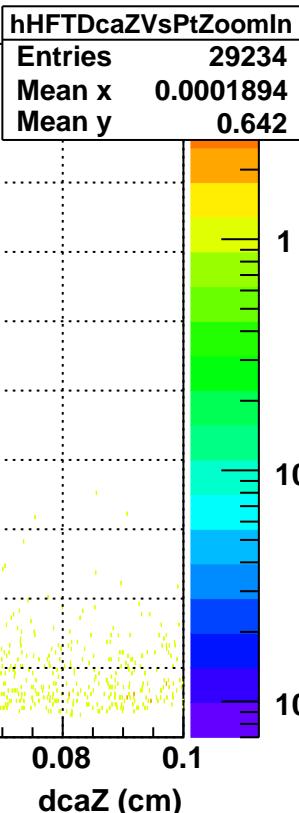
hHFTDcaXyVsPtZoomIn_1
Entries 33
Mean 2.2



Fitted value of par[2]=Sigma

hHFTDcaXyVsPtZoomIn_2
Entries 33
Mean 2.12



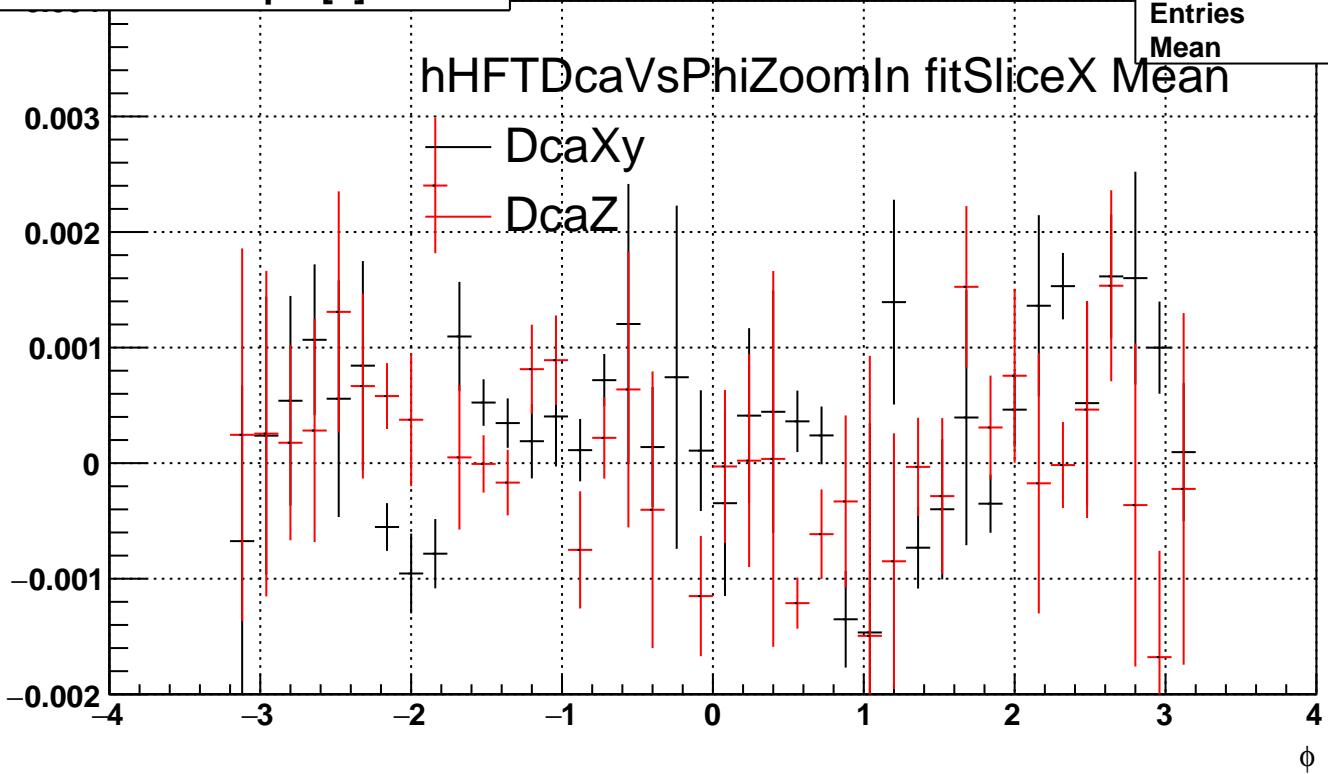


p_T (GeV/c)

ϕ

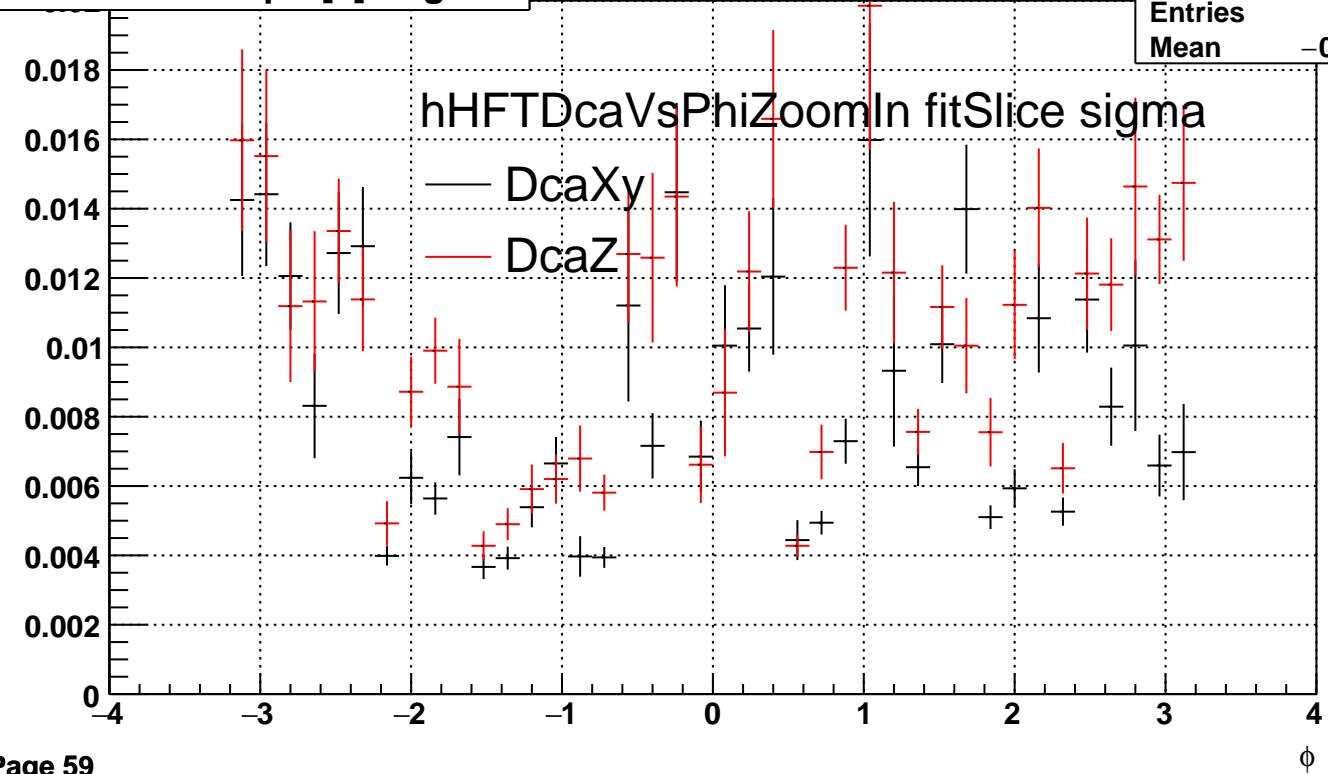
Fitted value of par[1]=Mean

hHFTDcaXyVsPhiZoomIn_1
Entries 40
Mean 0.9242



Fitted value of par[2]=Sigma

hHFTDcaXyVsPhiZoomIn_2
Entries 40
Mean -0.05717

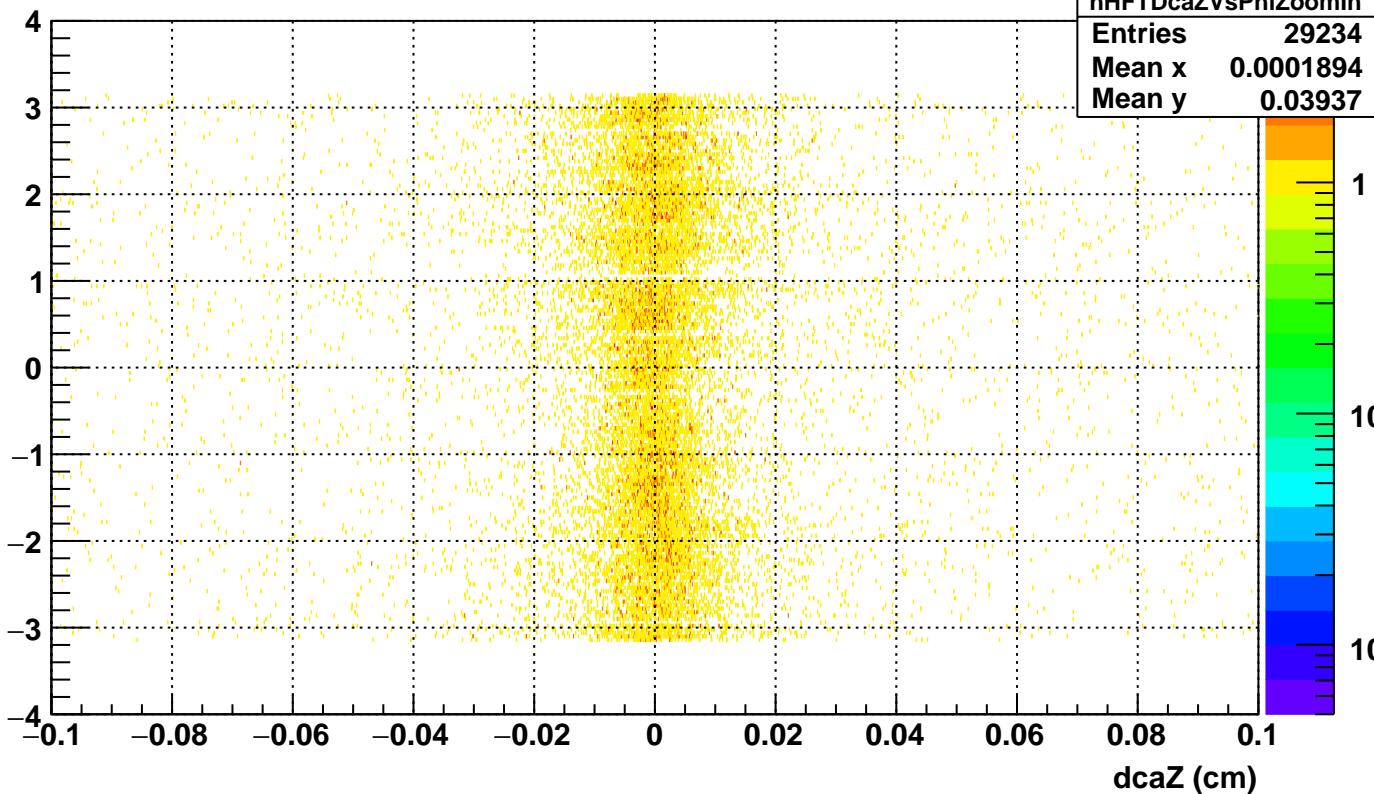


hHFTDcaZVsPhiZoomIn

Entries 29234

Mean x 0.0001894

Mean y 0.03937

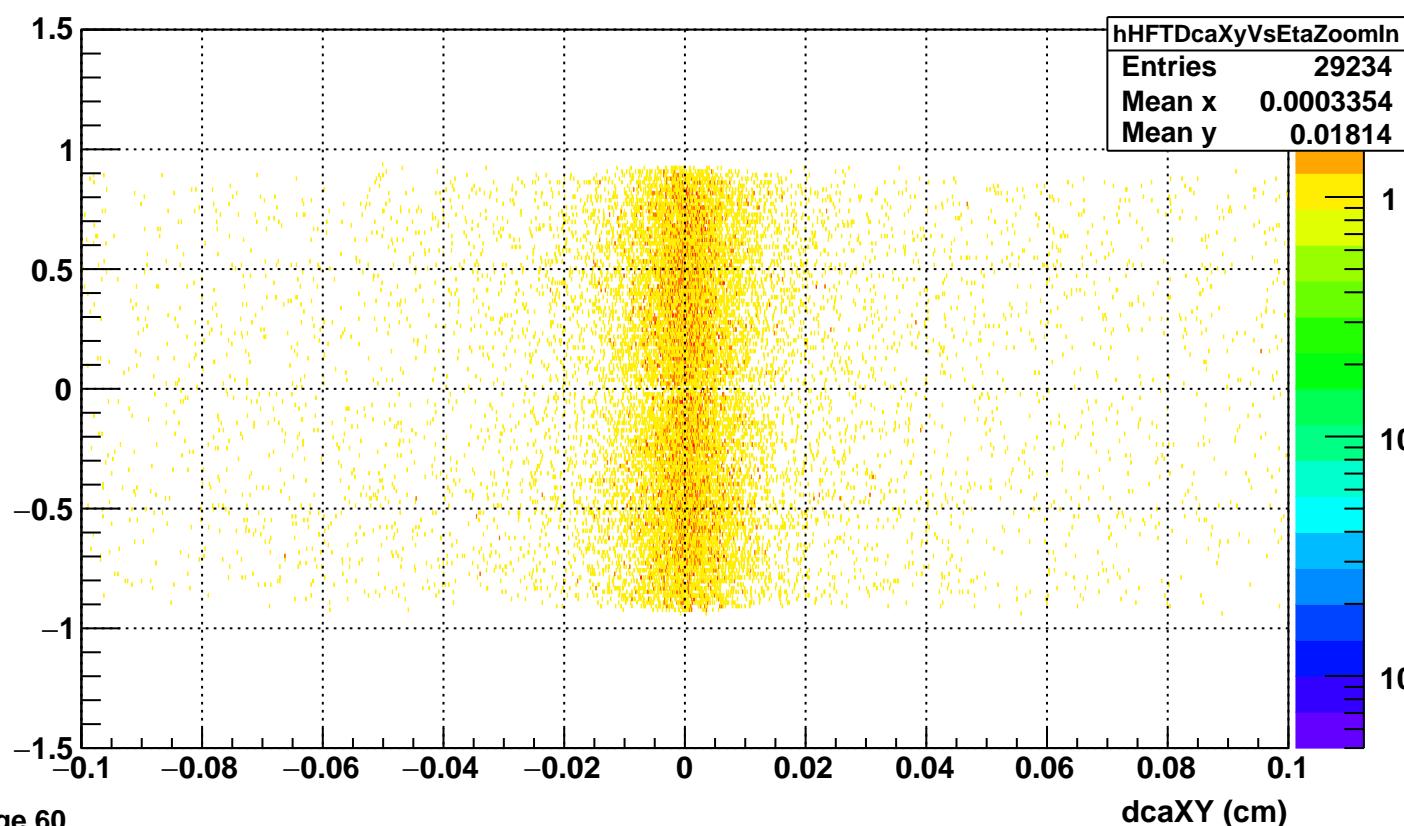


hHFTDcaXYVsEtaZoomIn

Entries 29234

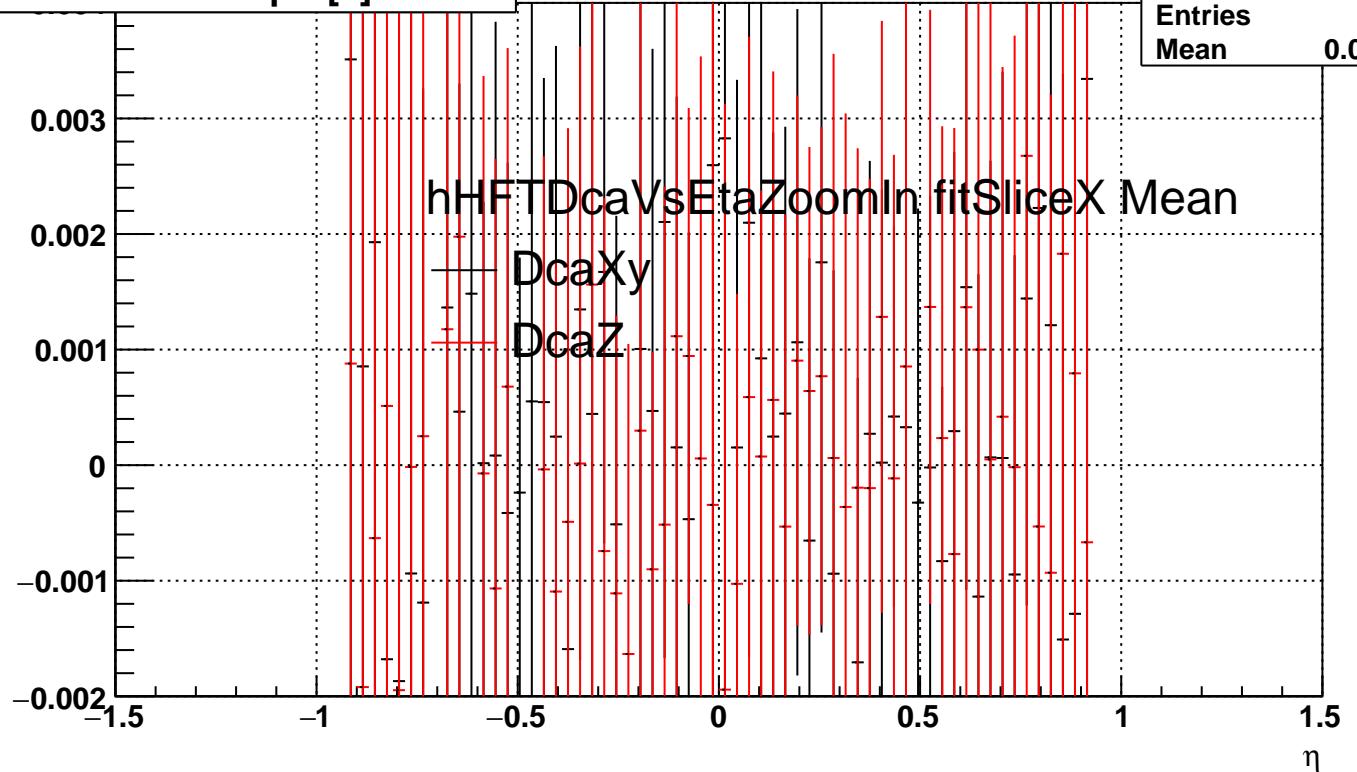
Mean x 0.0003354

Mean y 0.01814



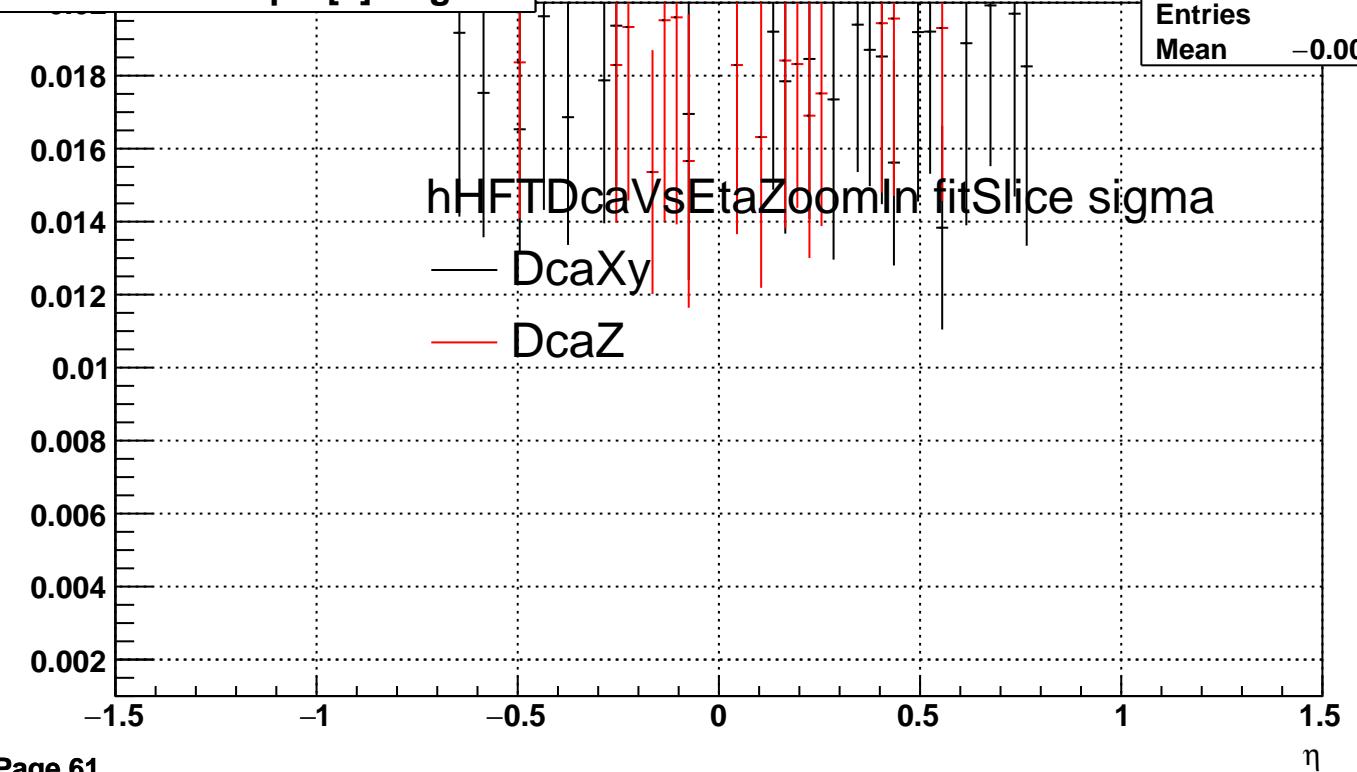
Fitted value of par[1]=Mean

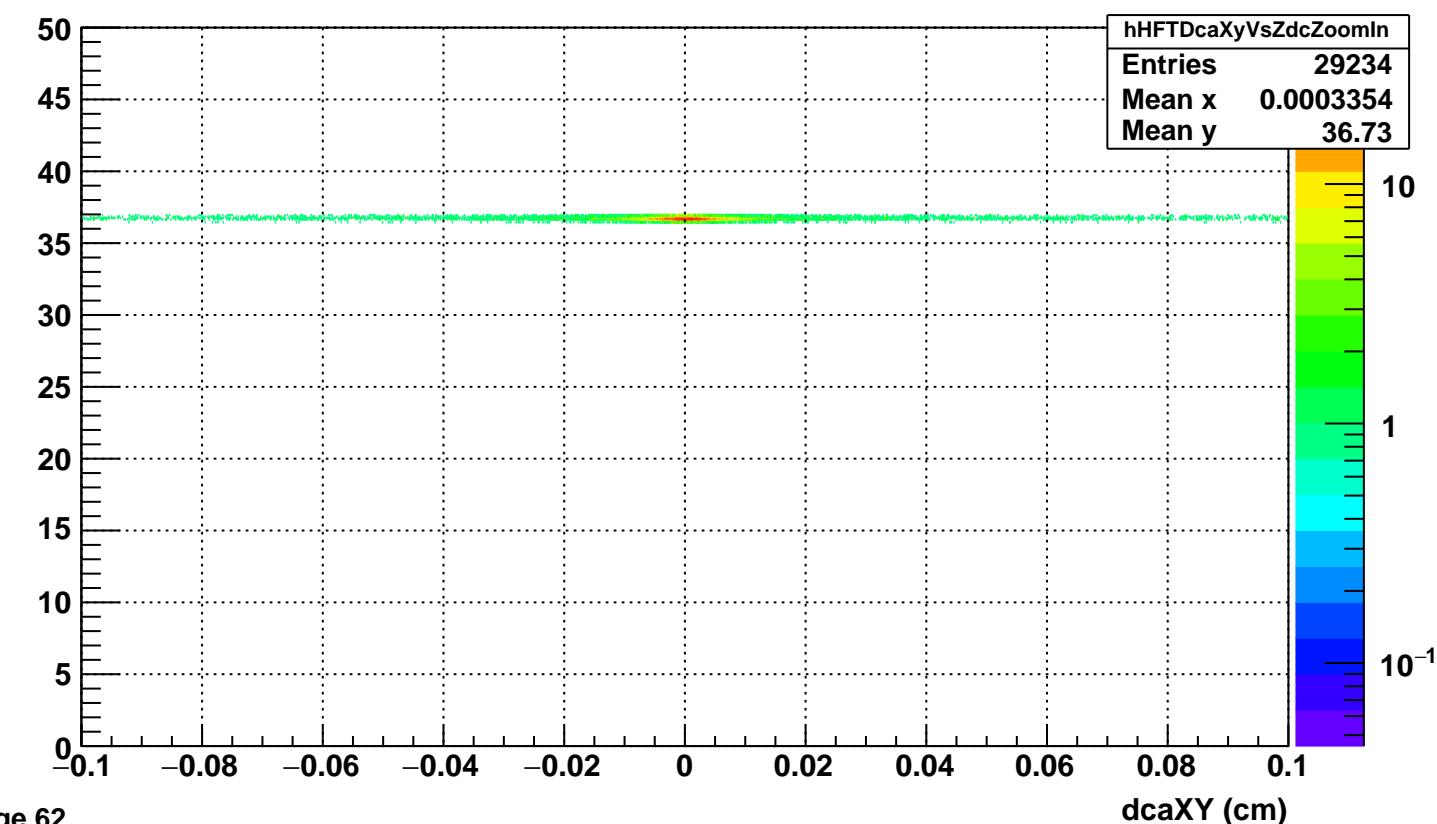
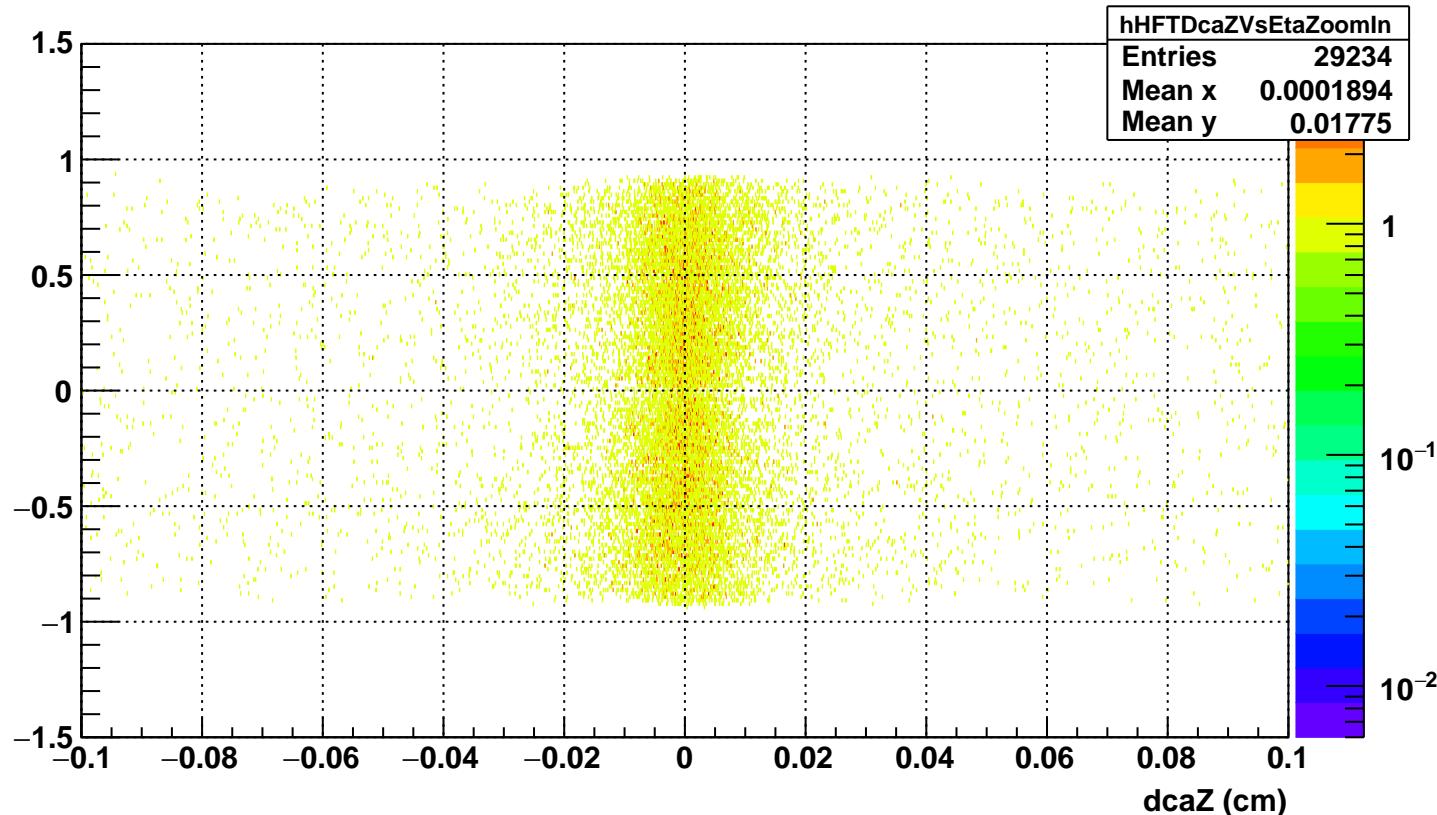
hHFTDcaXyVsEtaZoomIn_1
Entries 62
Mean 0.01616



Fitted value of par[2]=Sigma

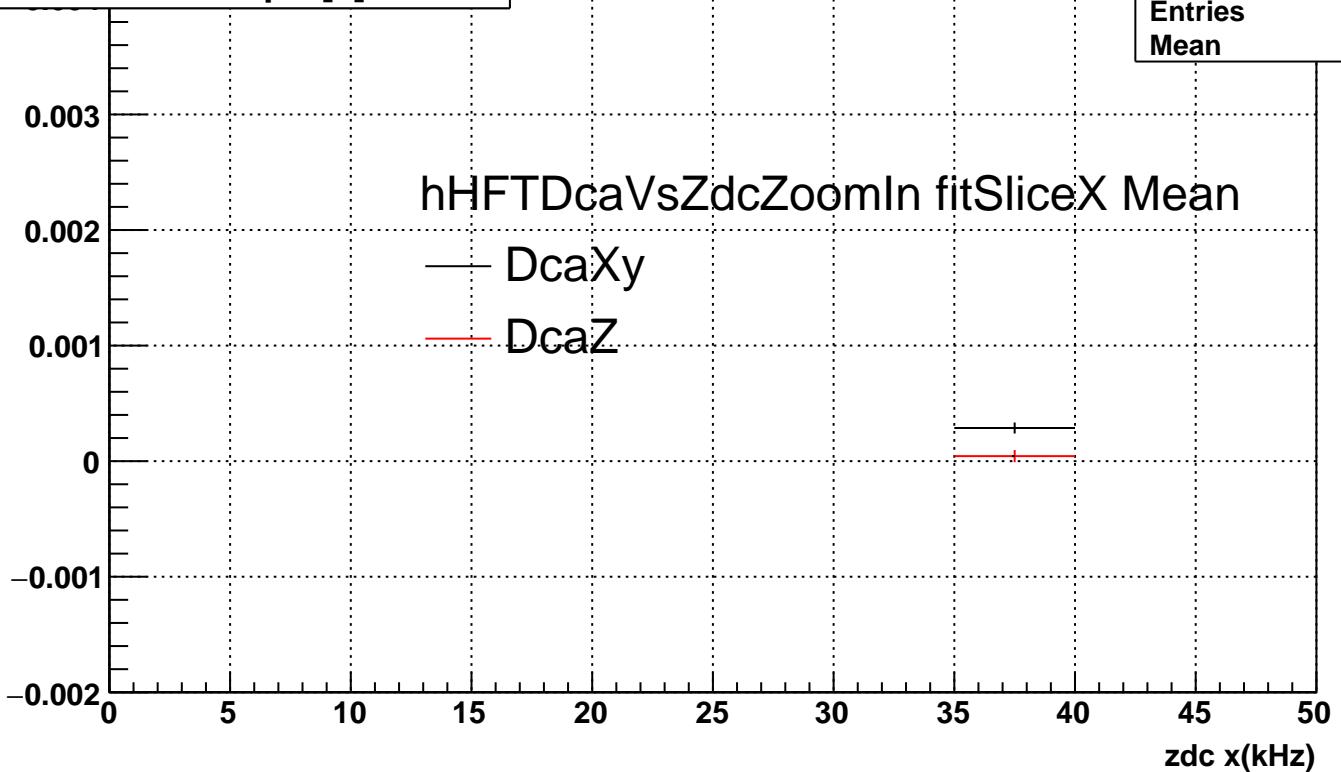
hHFTDcaXyVsEtaZoomIn_2
Entries 62
Mean -0.007566





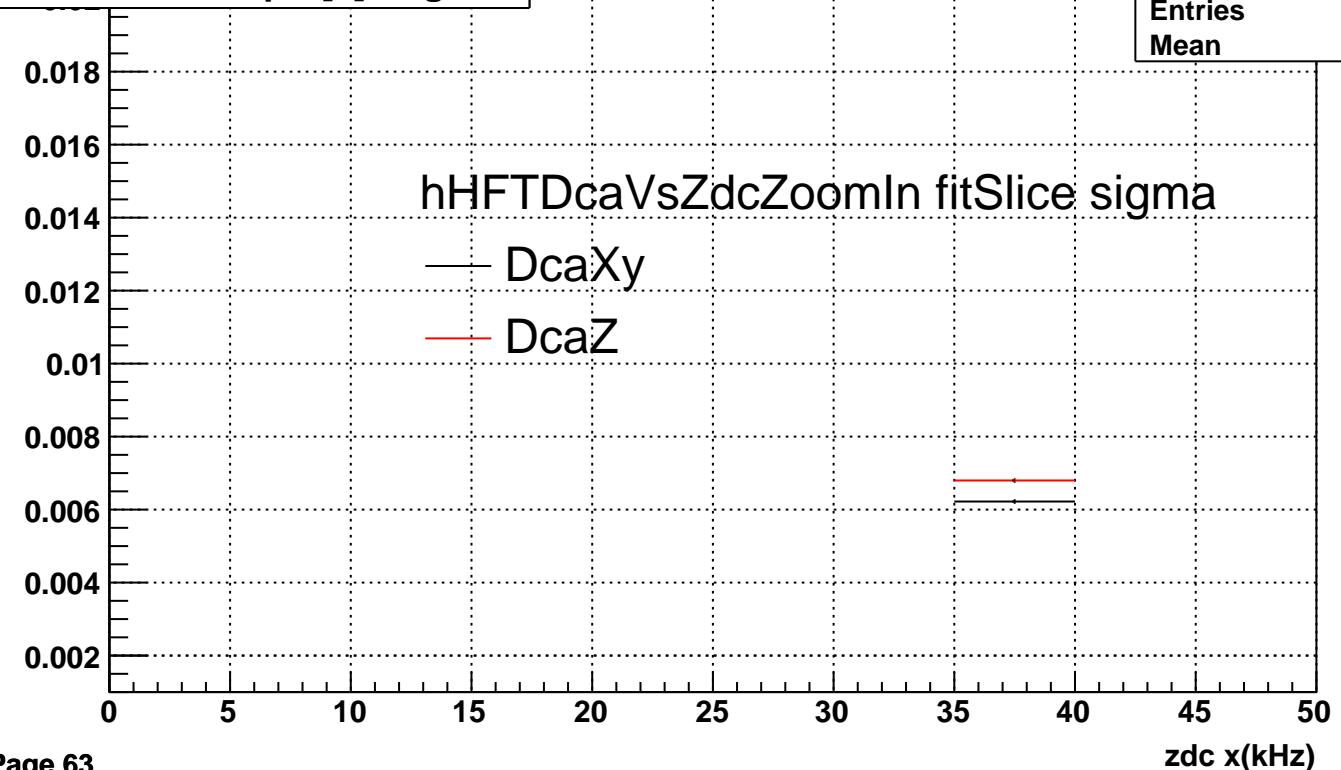
Fitted value of par[1]=Mean

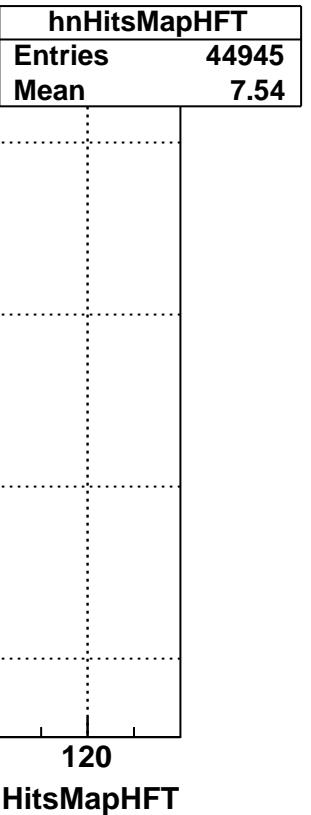
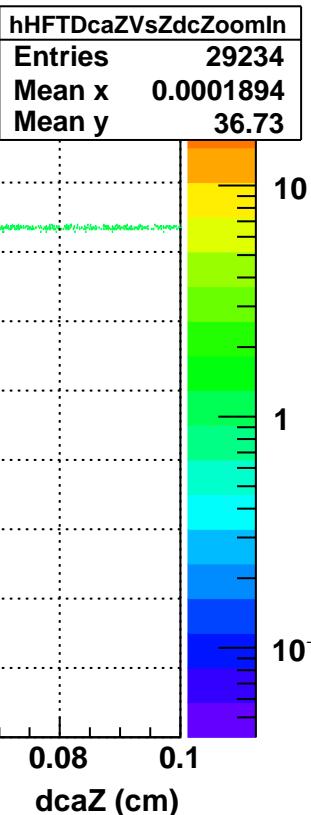
hHFTDcaXyVsZdcZoomIn_1
Entries 1
Mean 37.5

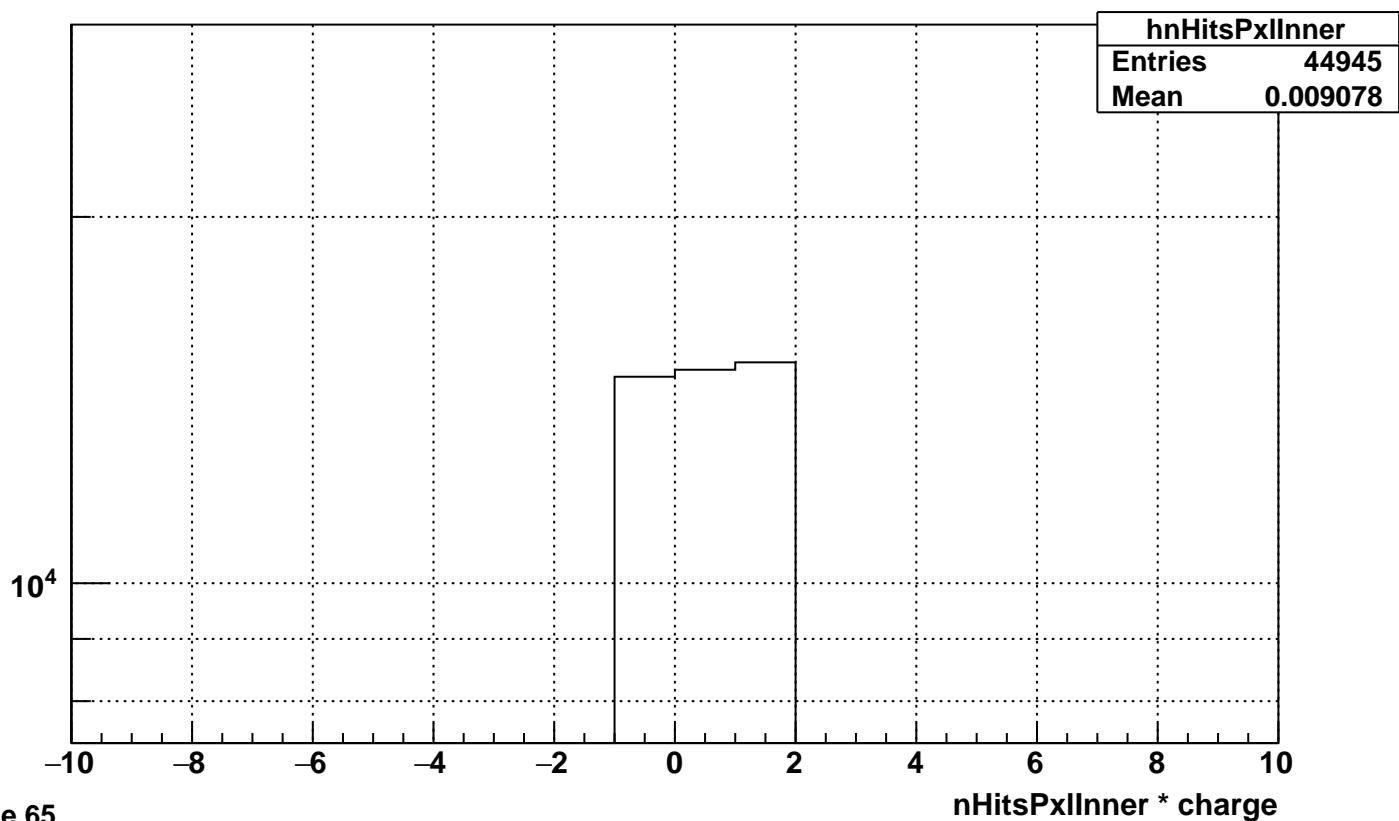
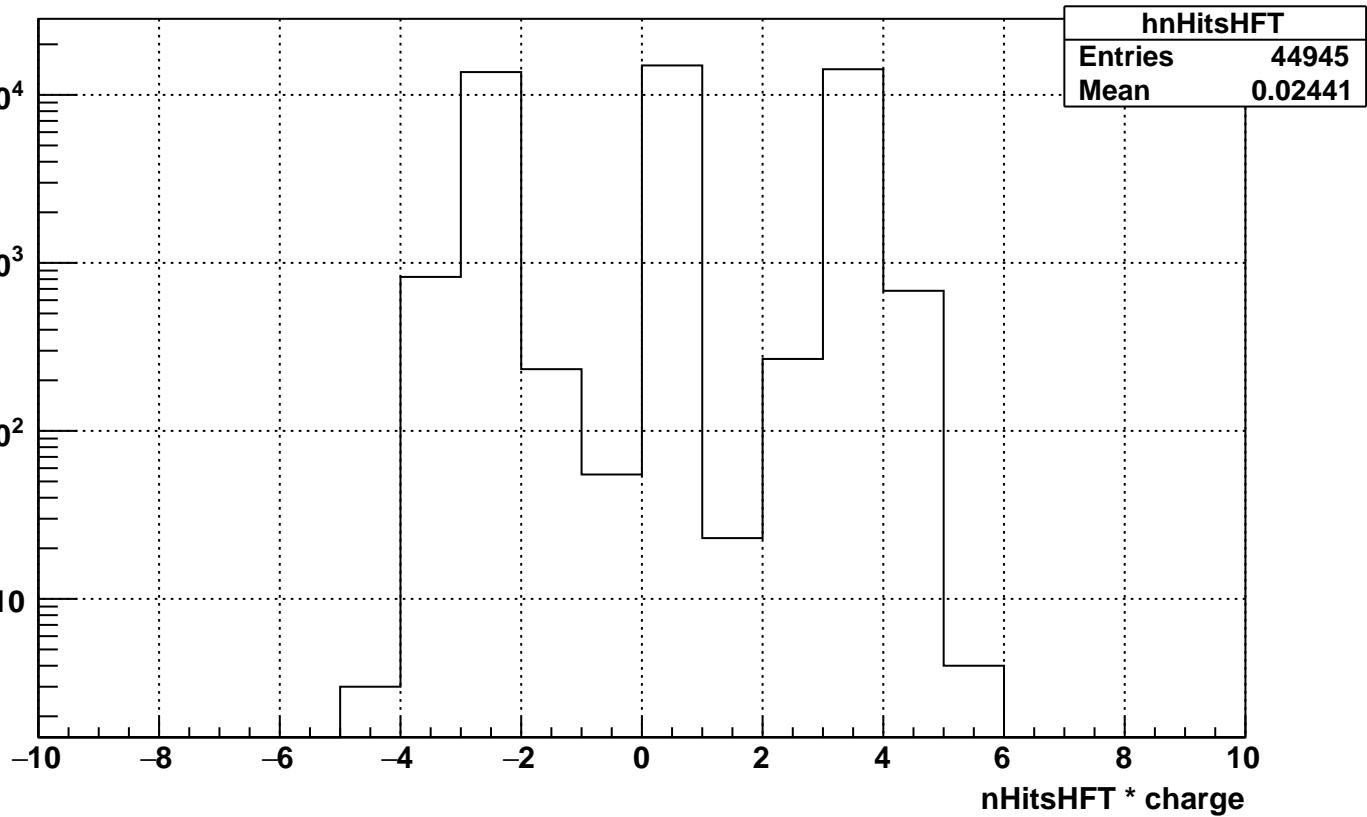


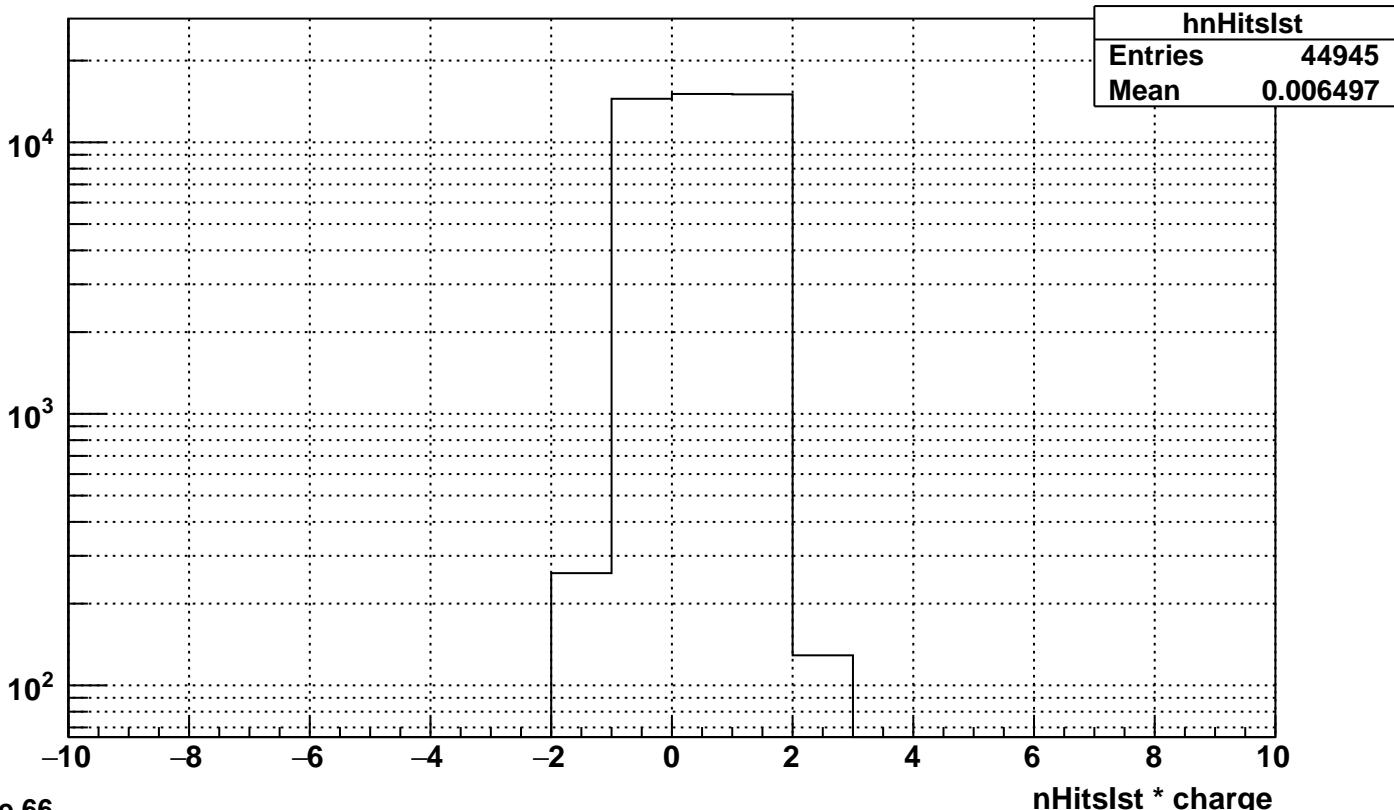
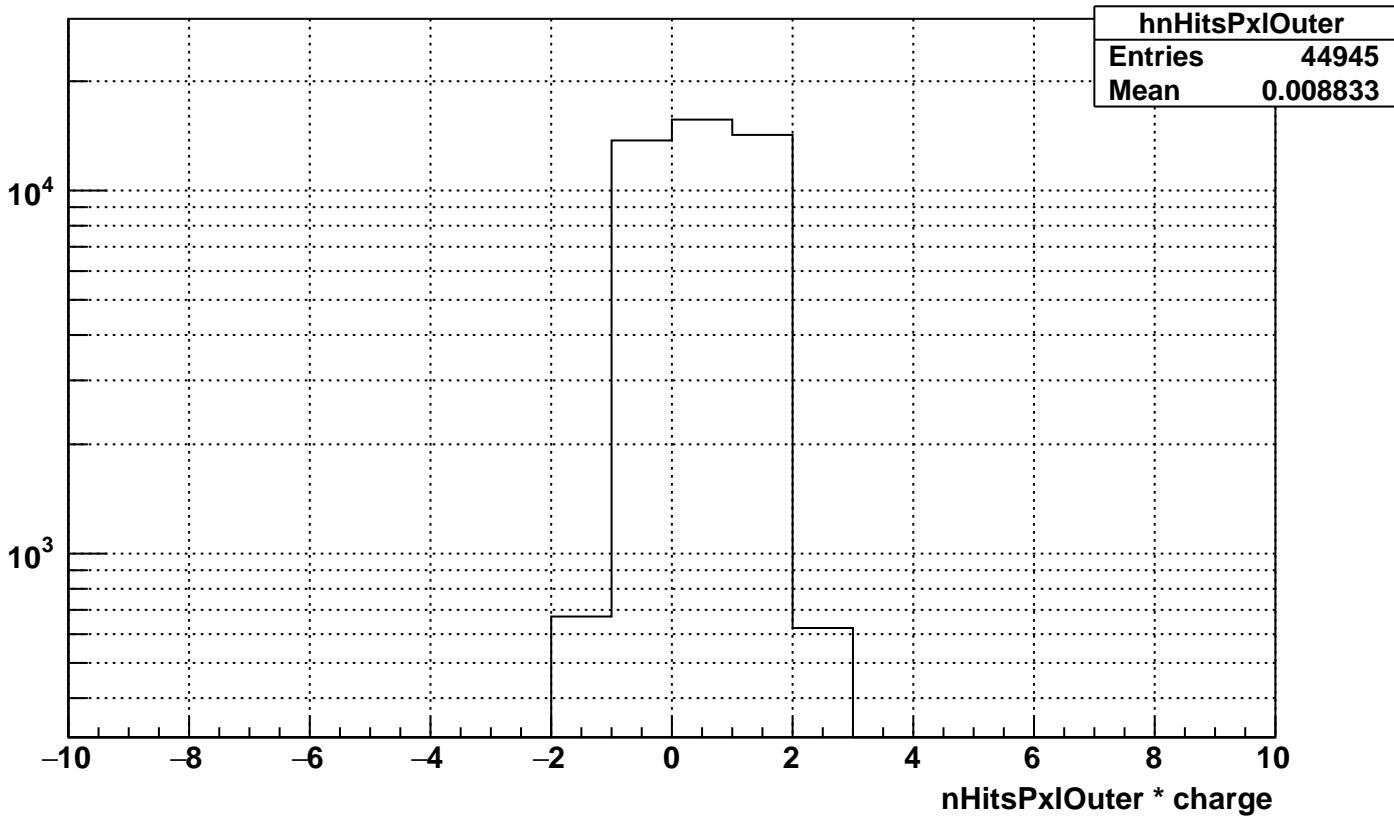
Fitted value of par[2]=Sigma

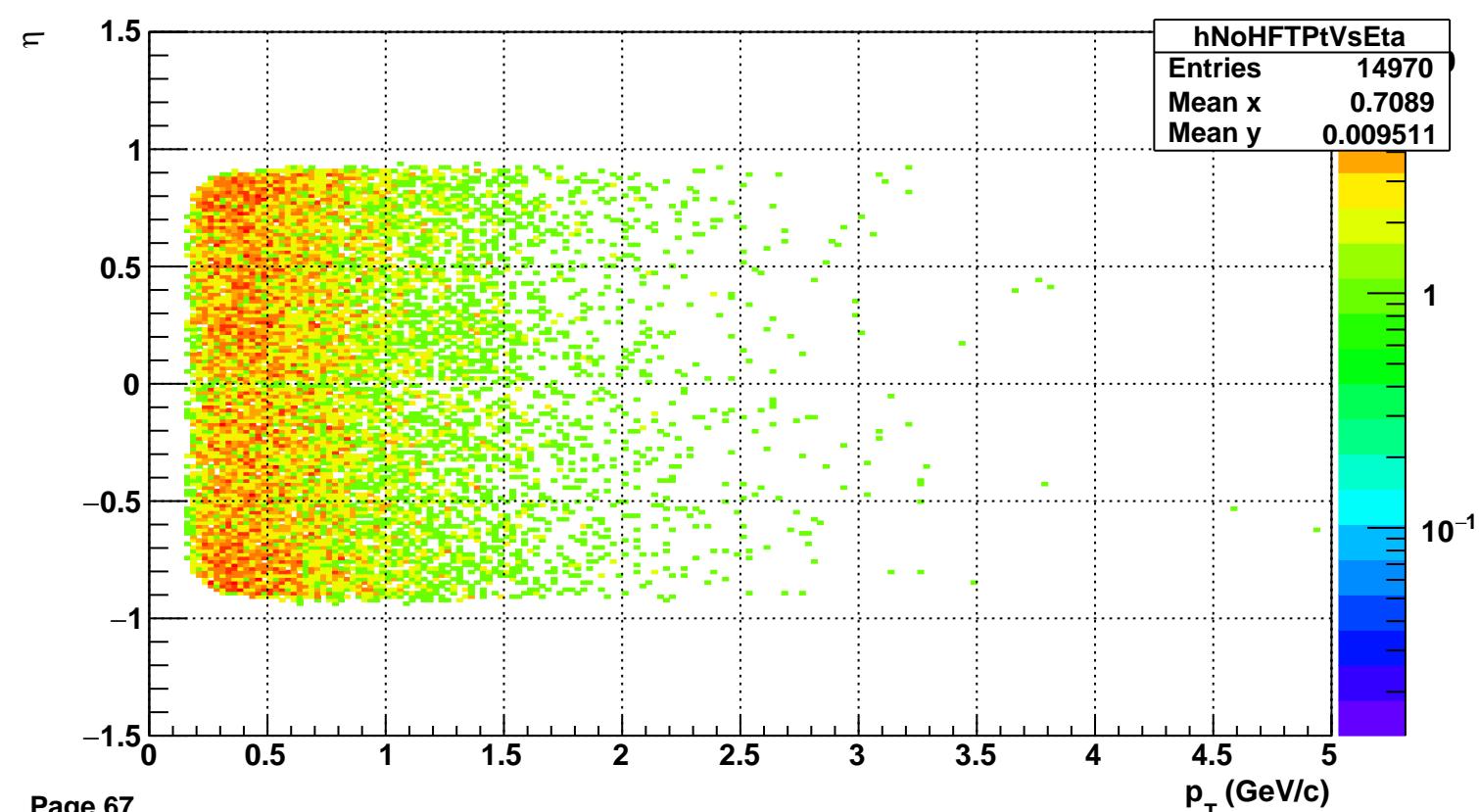
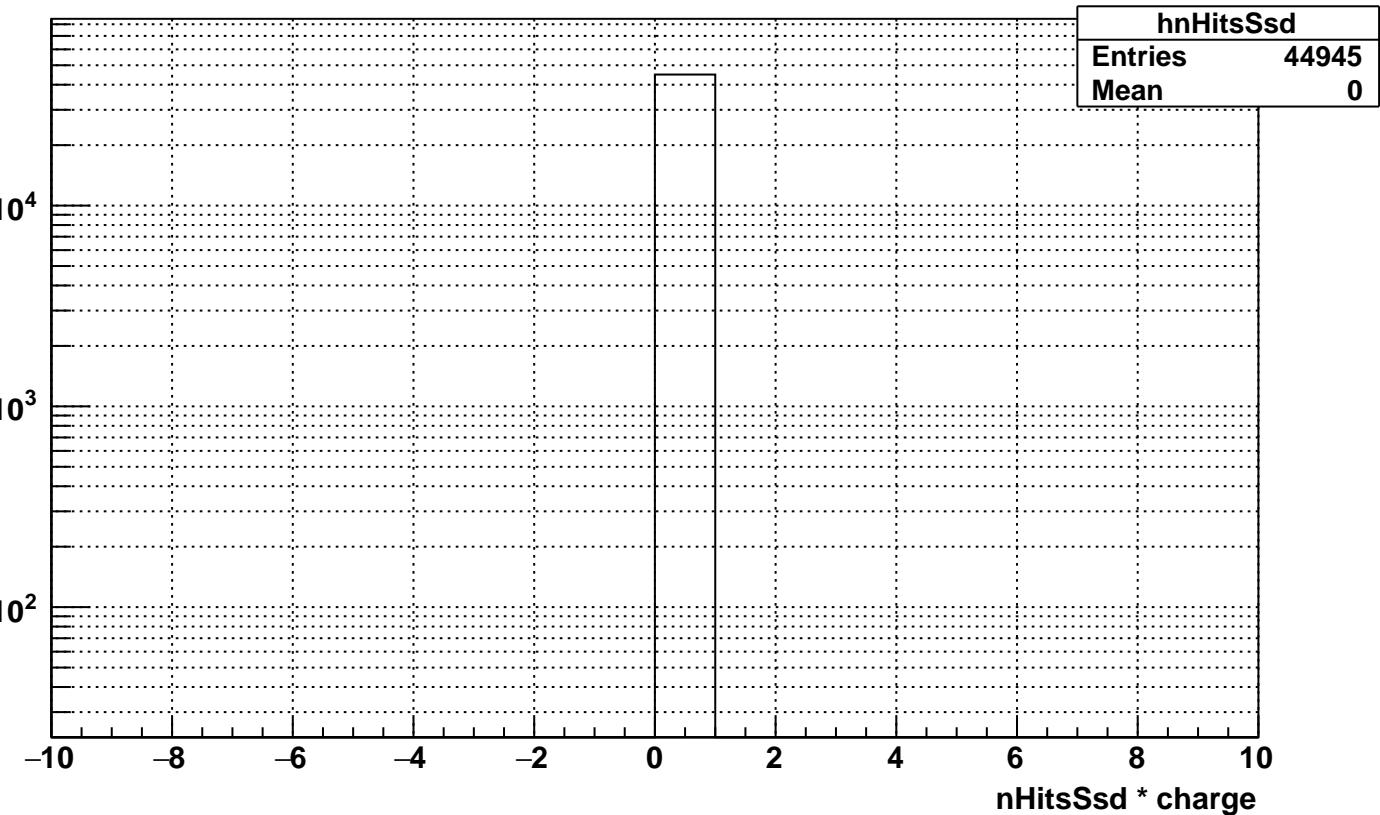
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Entries 1
Mean 37.5

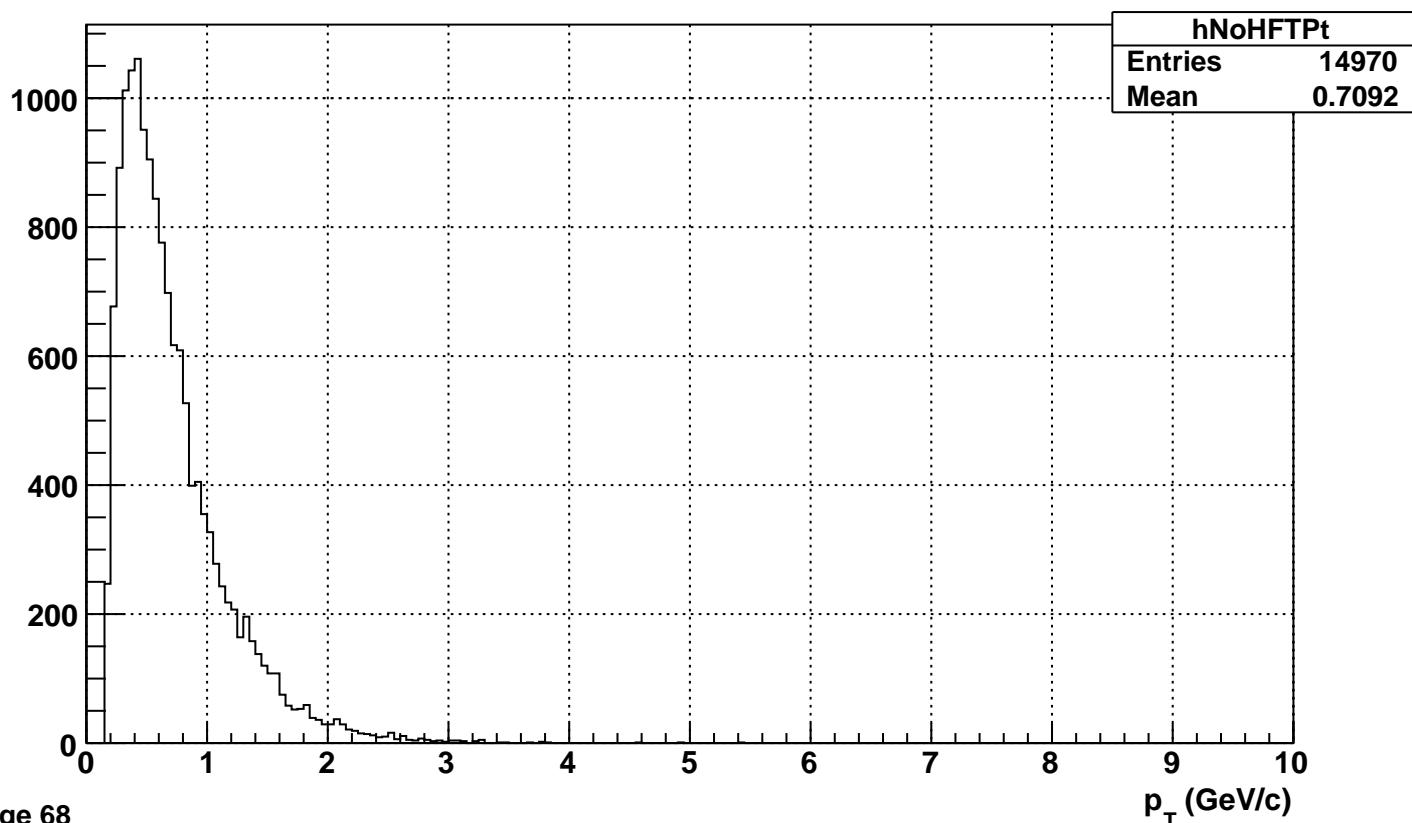
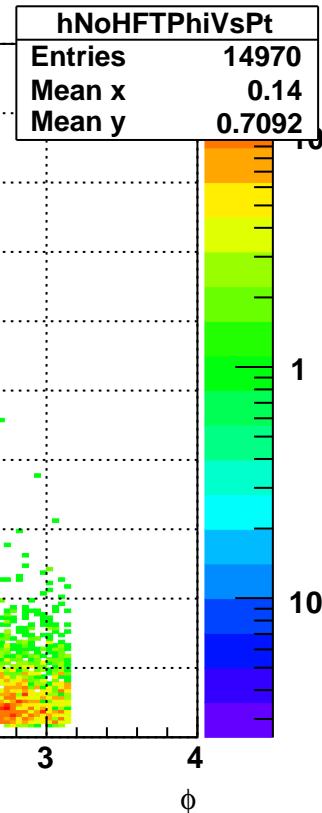


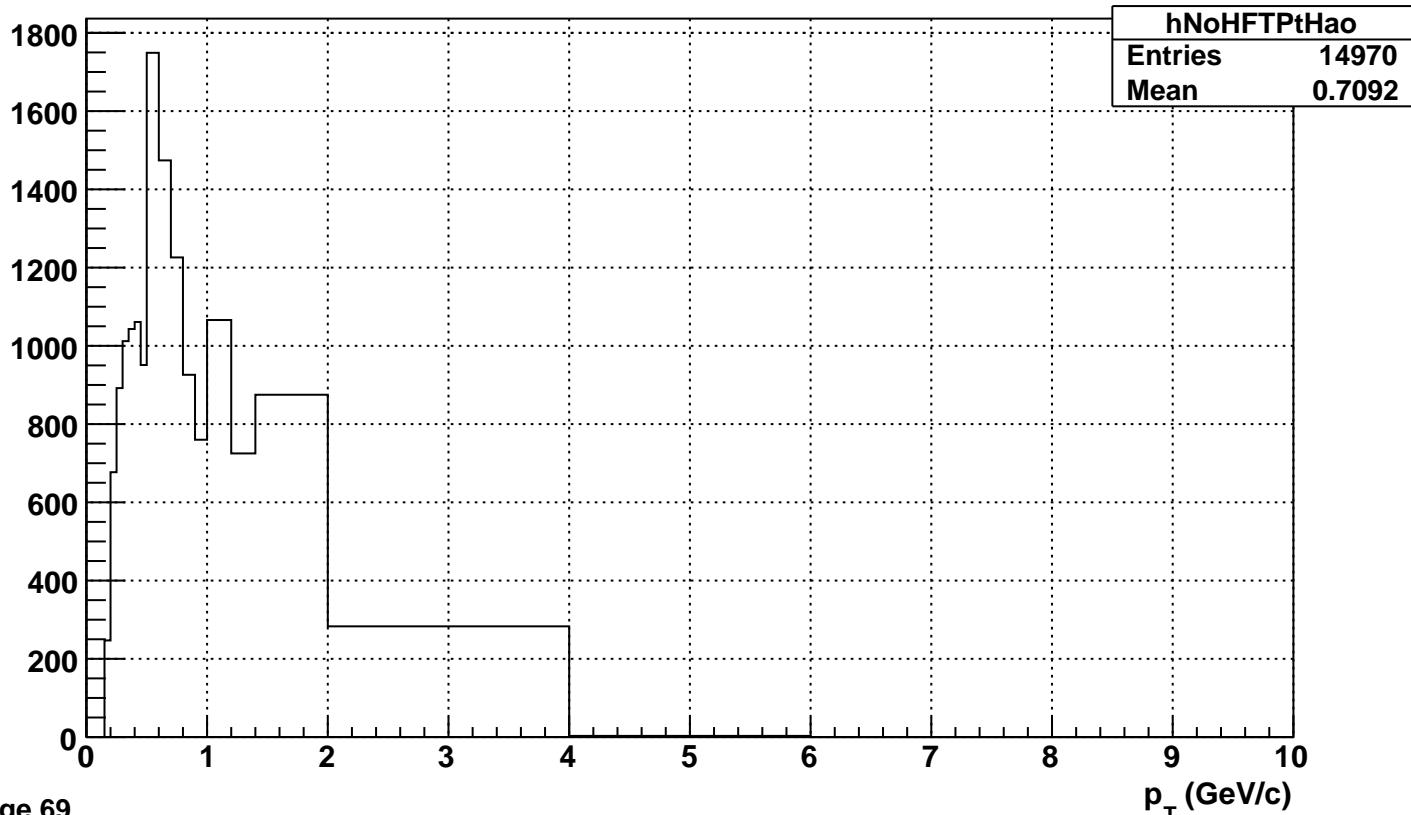
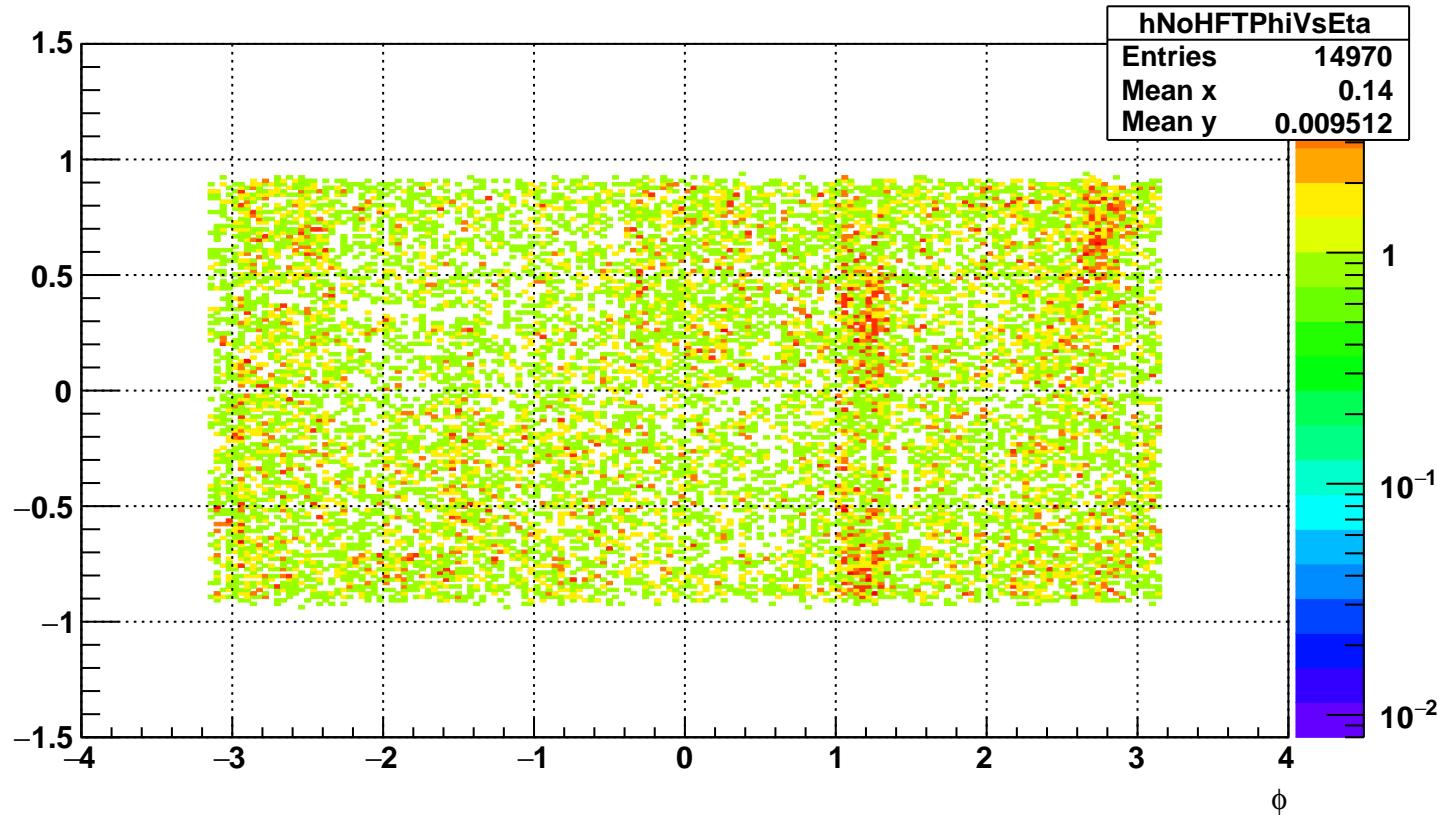


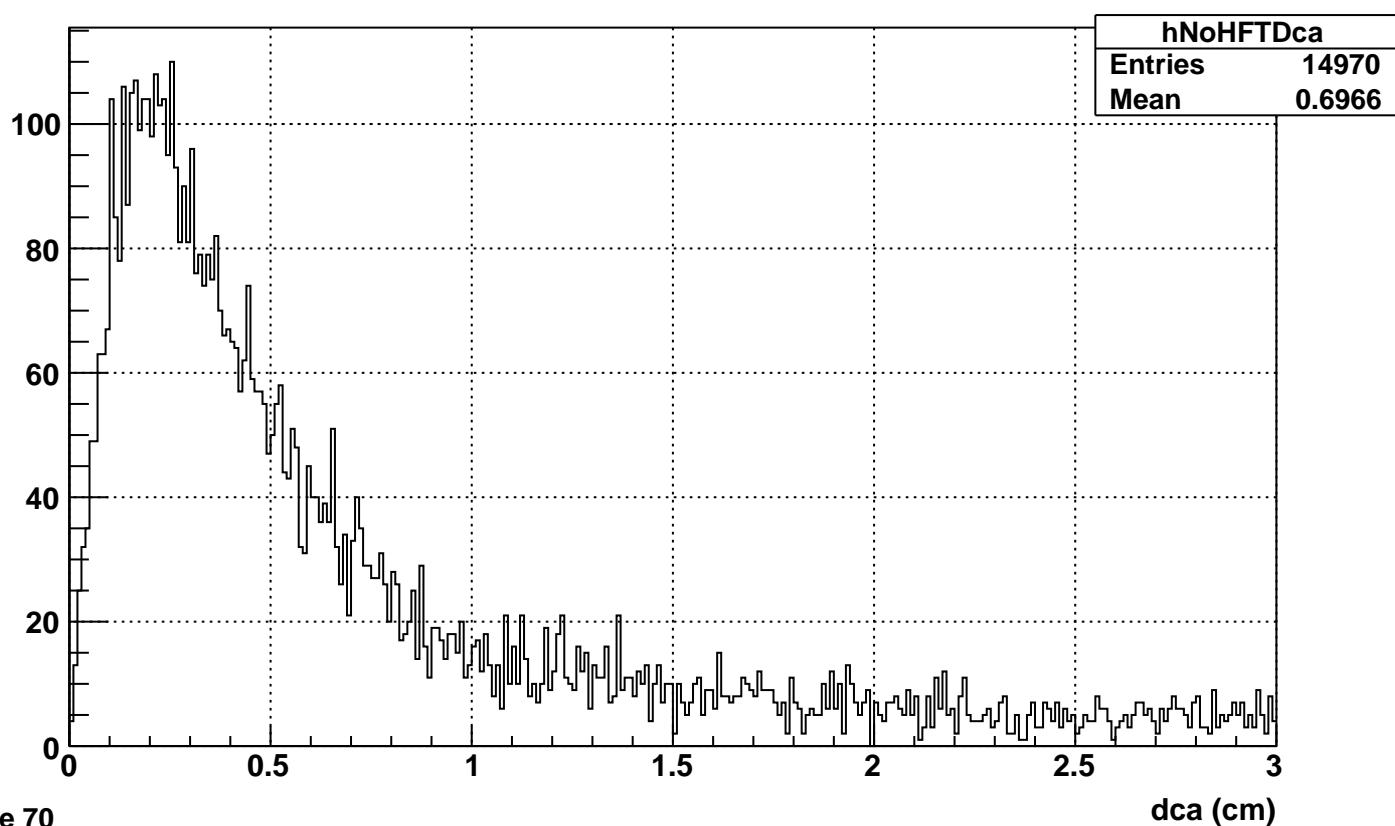
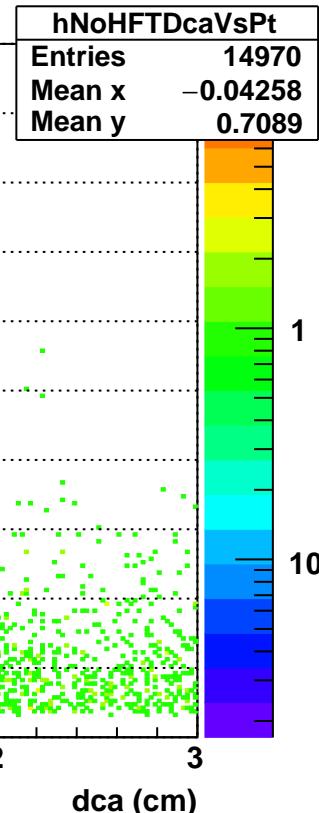


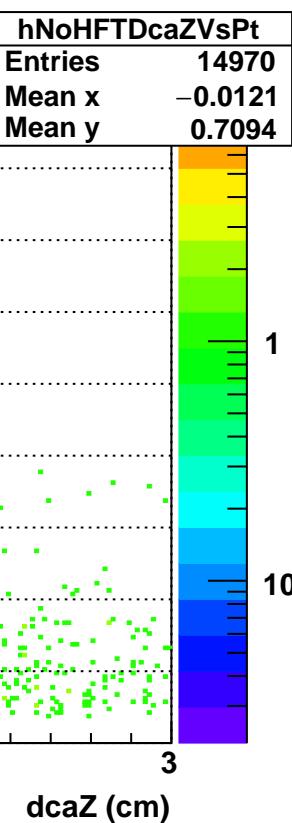
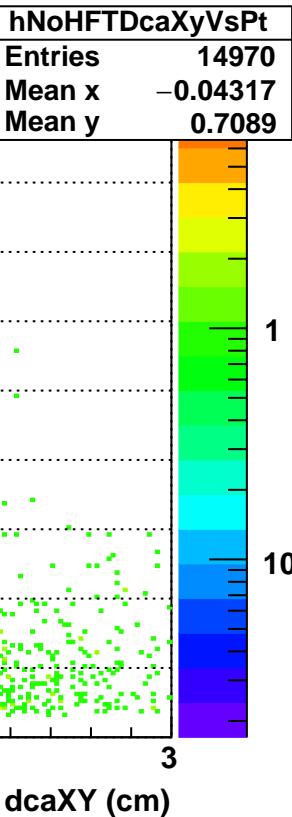










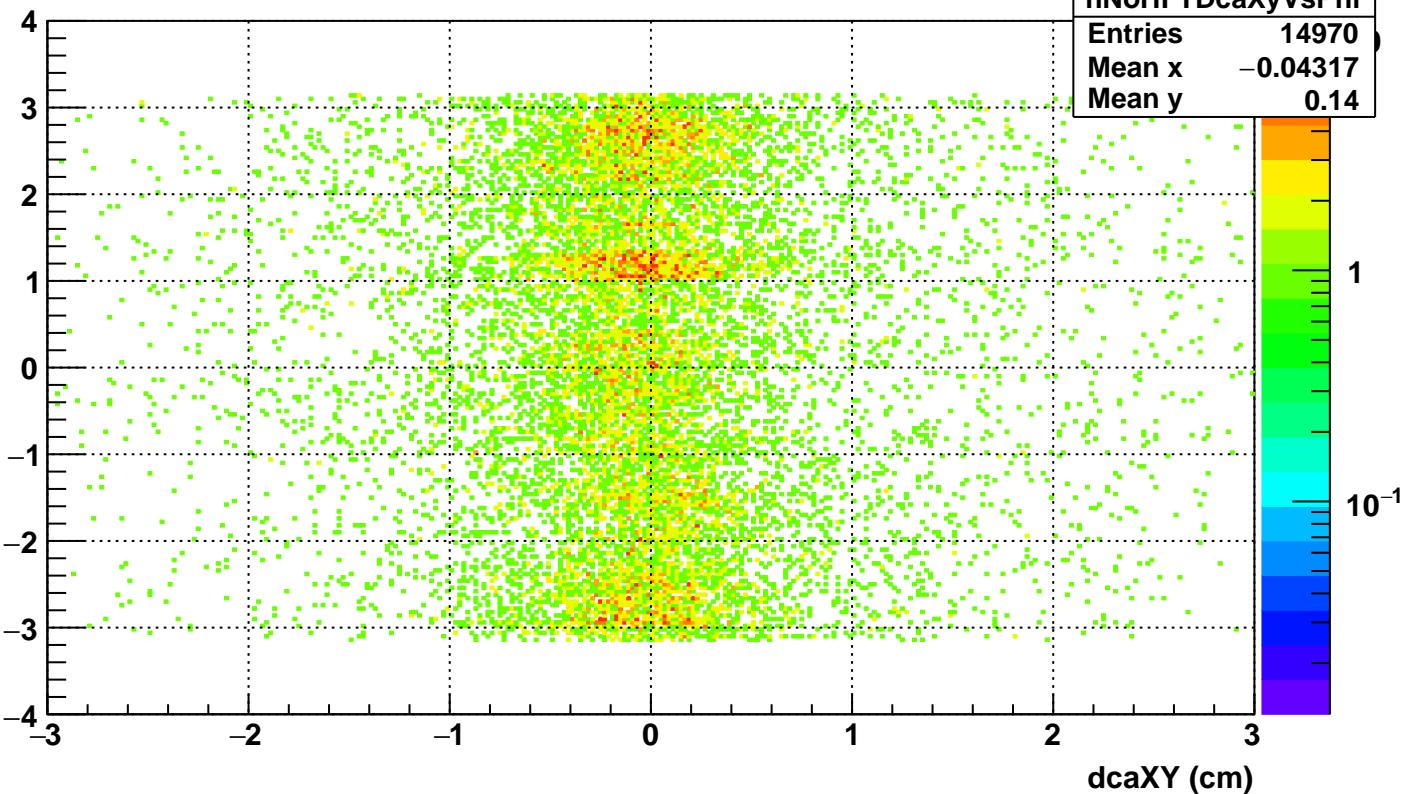


hNoHFTDcaXYVsPhi

Entries 14970

Mean x -0.04317

Mean y 0.14

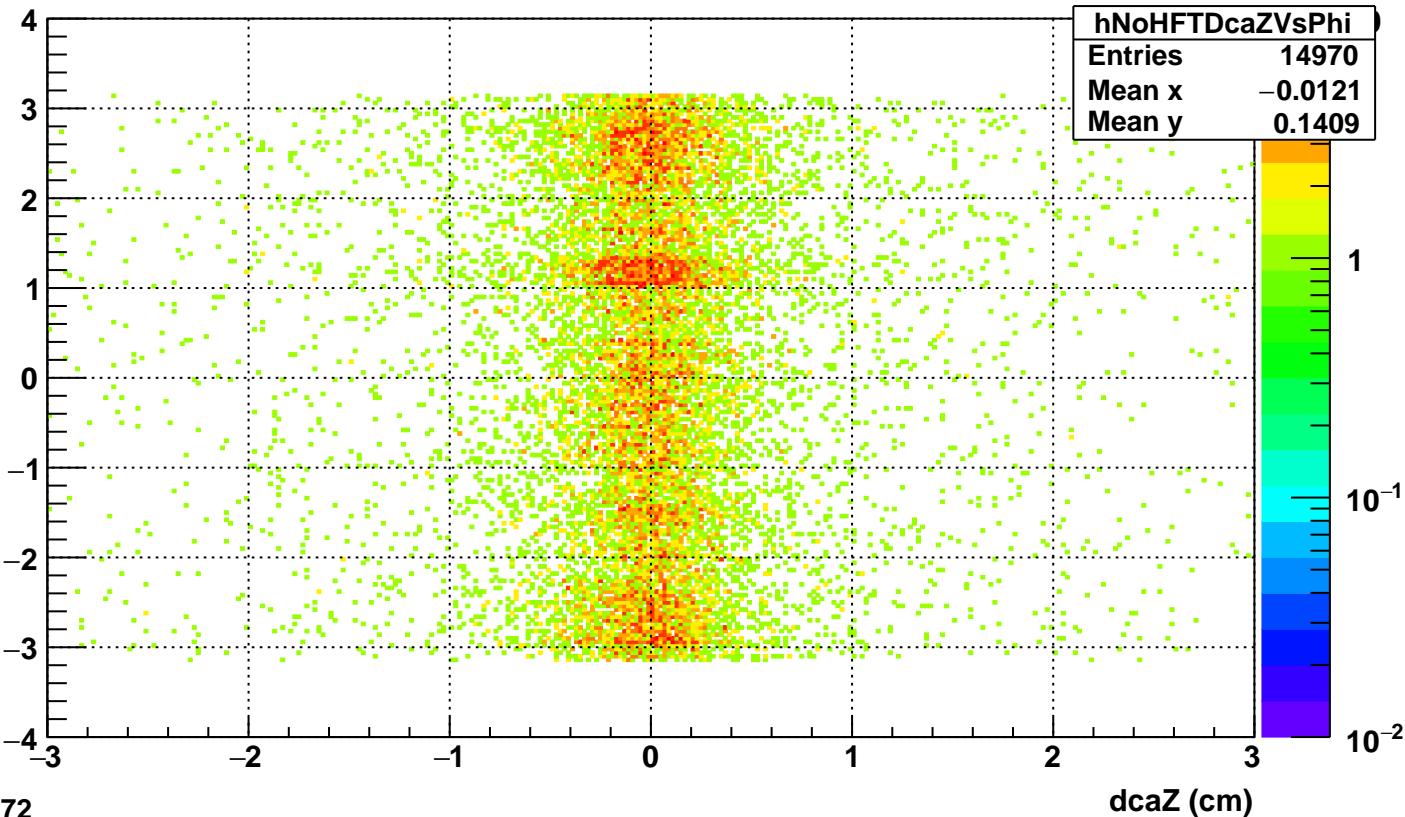


hNoHFTDcaZVsPhi

Entries 14970

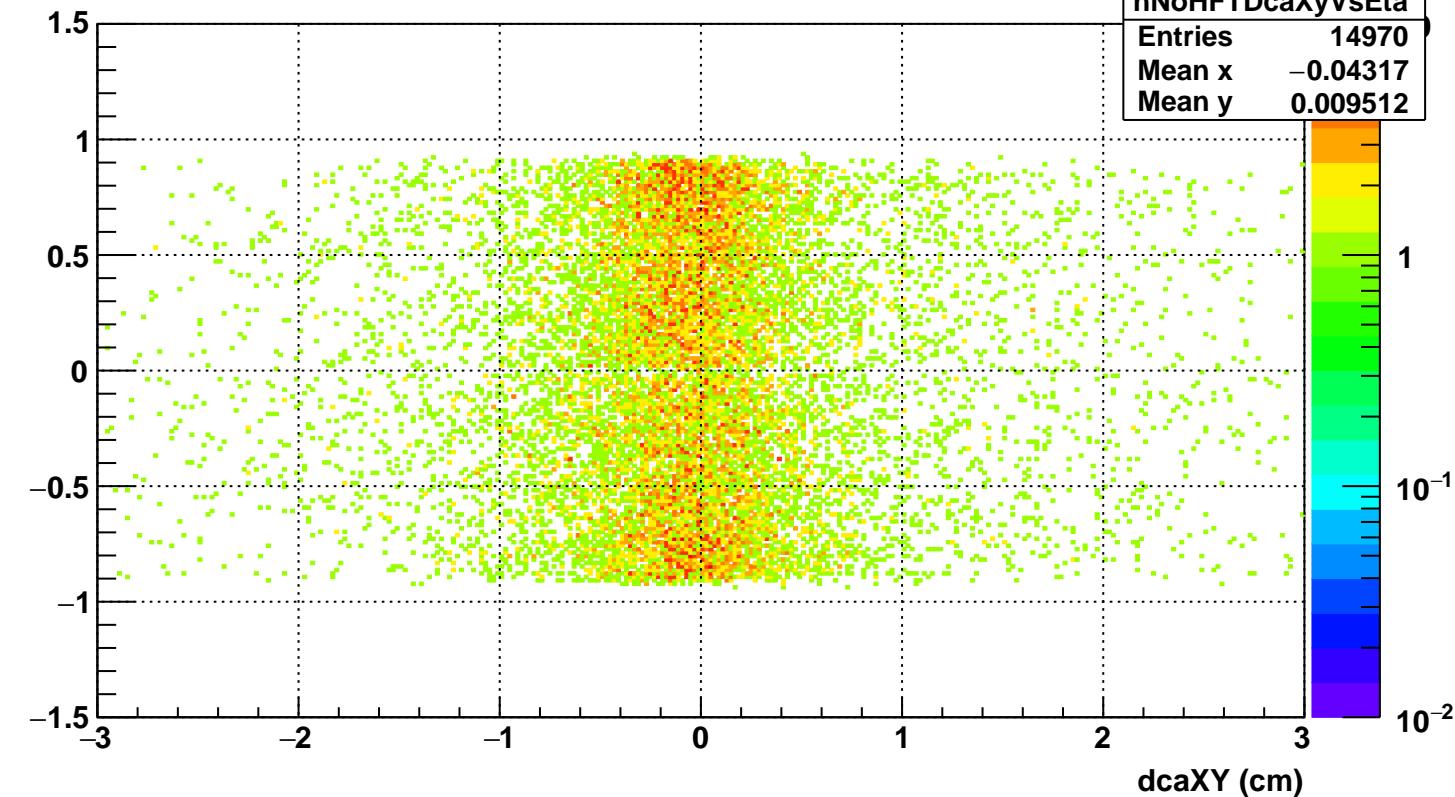
Mean x -0.0121

Mean y 0.1409



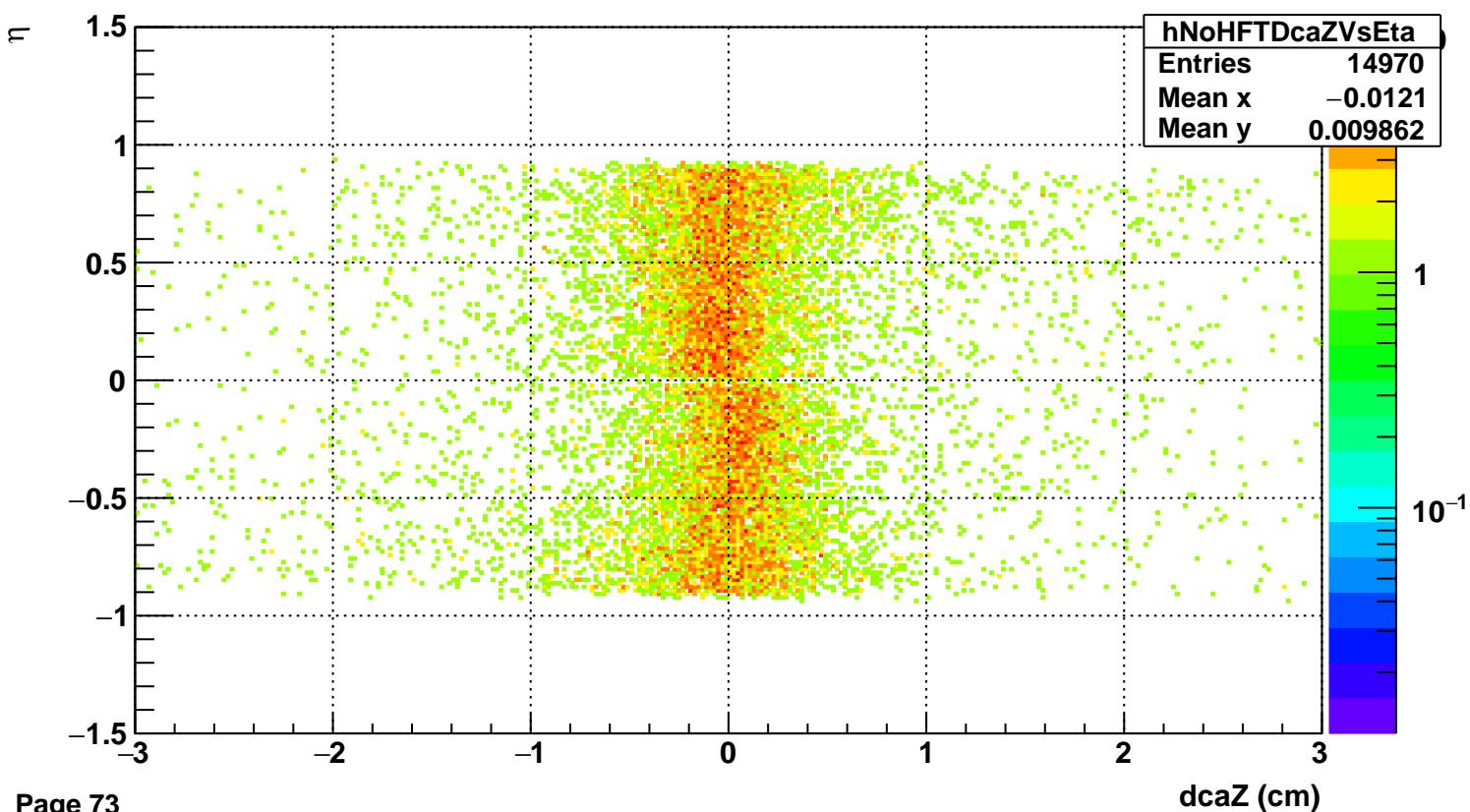
hNoHFTDcaXYVsEta

Entries 14970
Mean x -0.04317
Mean y 0.009512



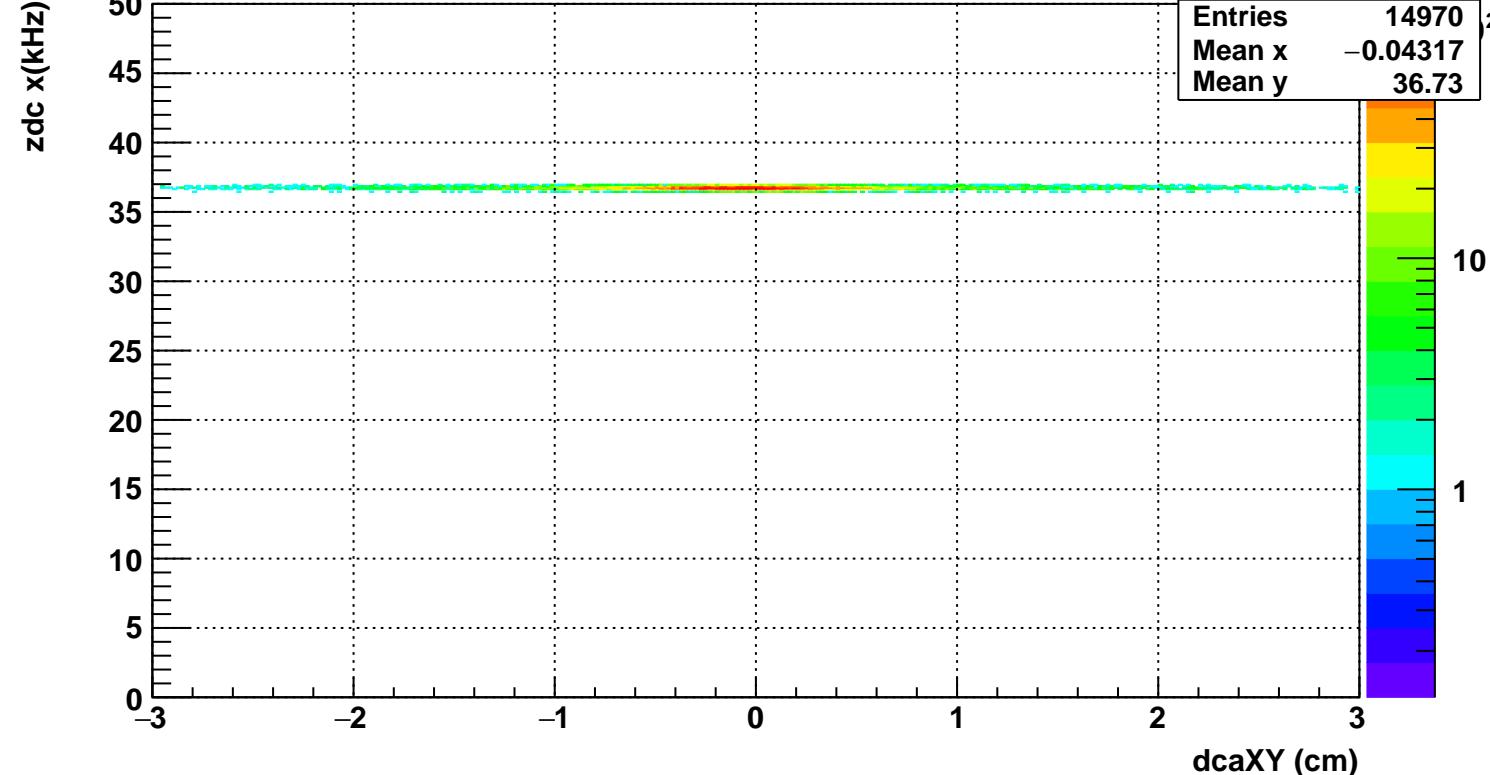
hNoHFTDcaZVsEta

Entries 14970
Mean x -0.0121
Mean y 0.009862



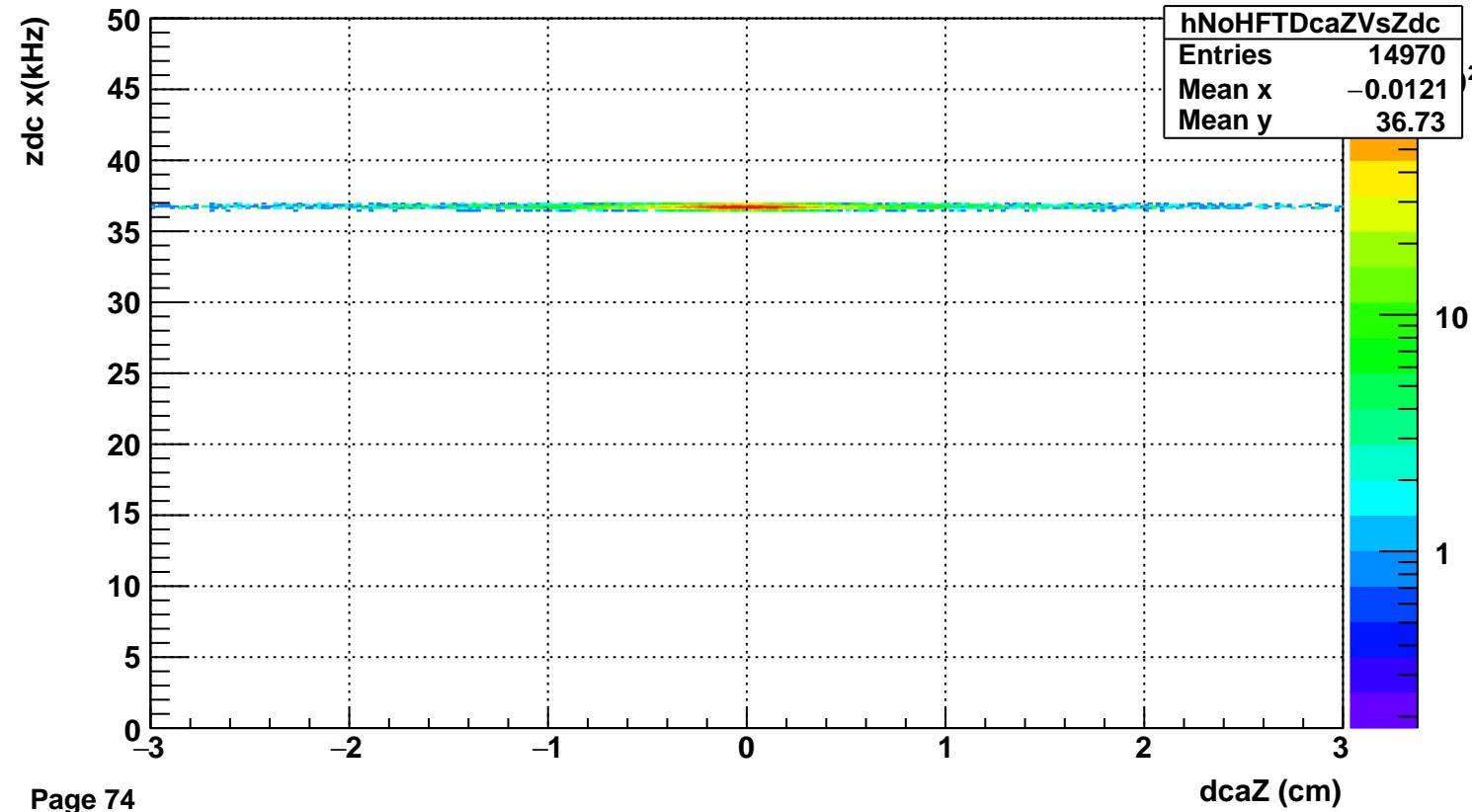
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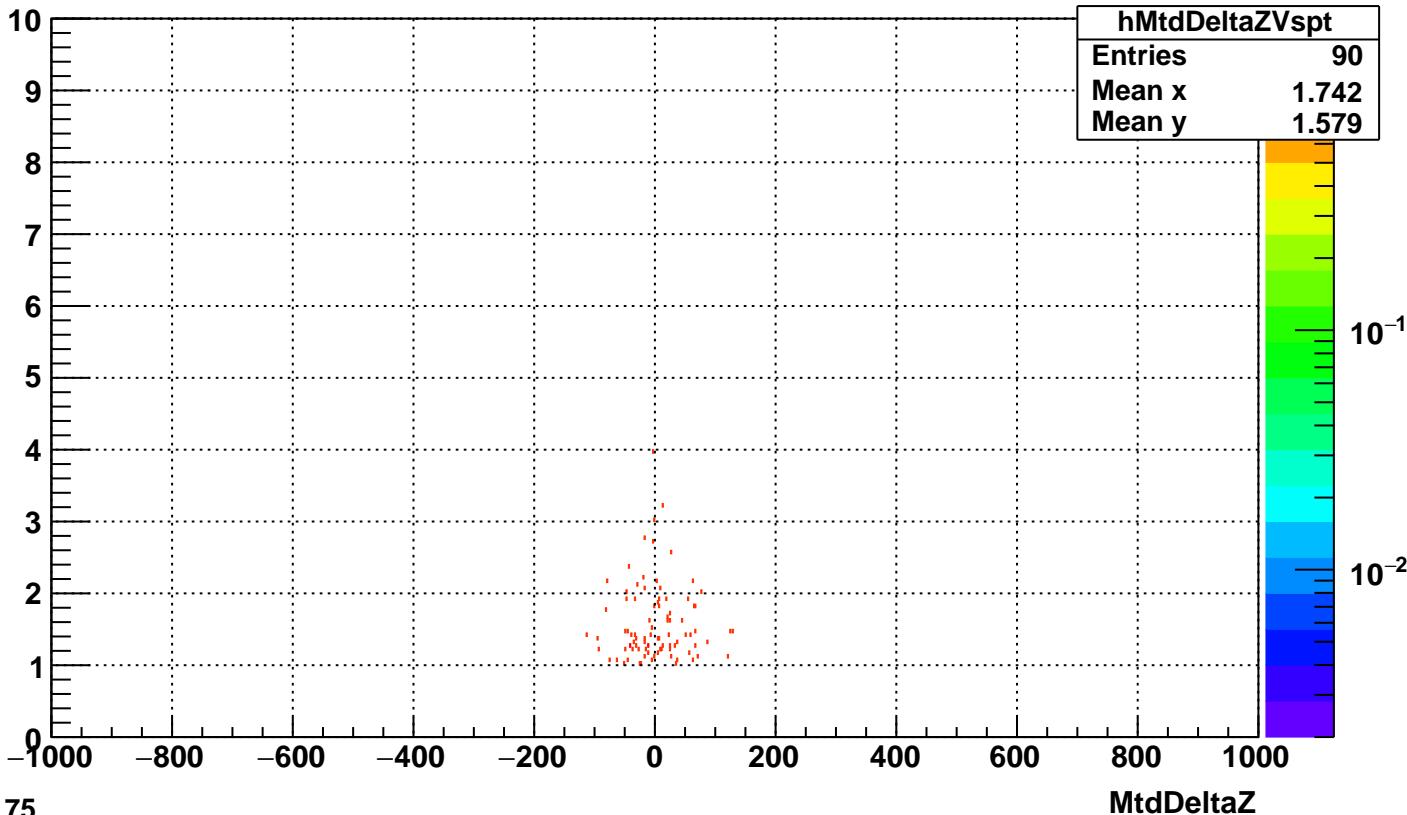
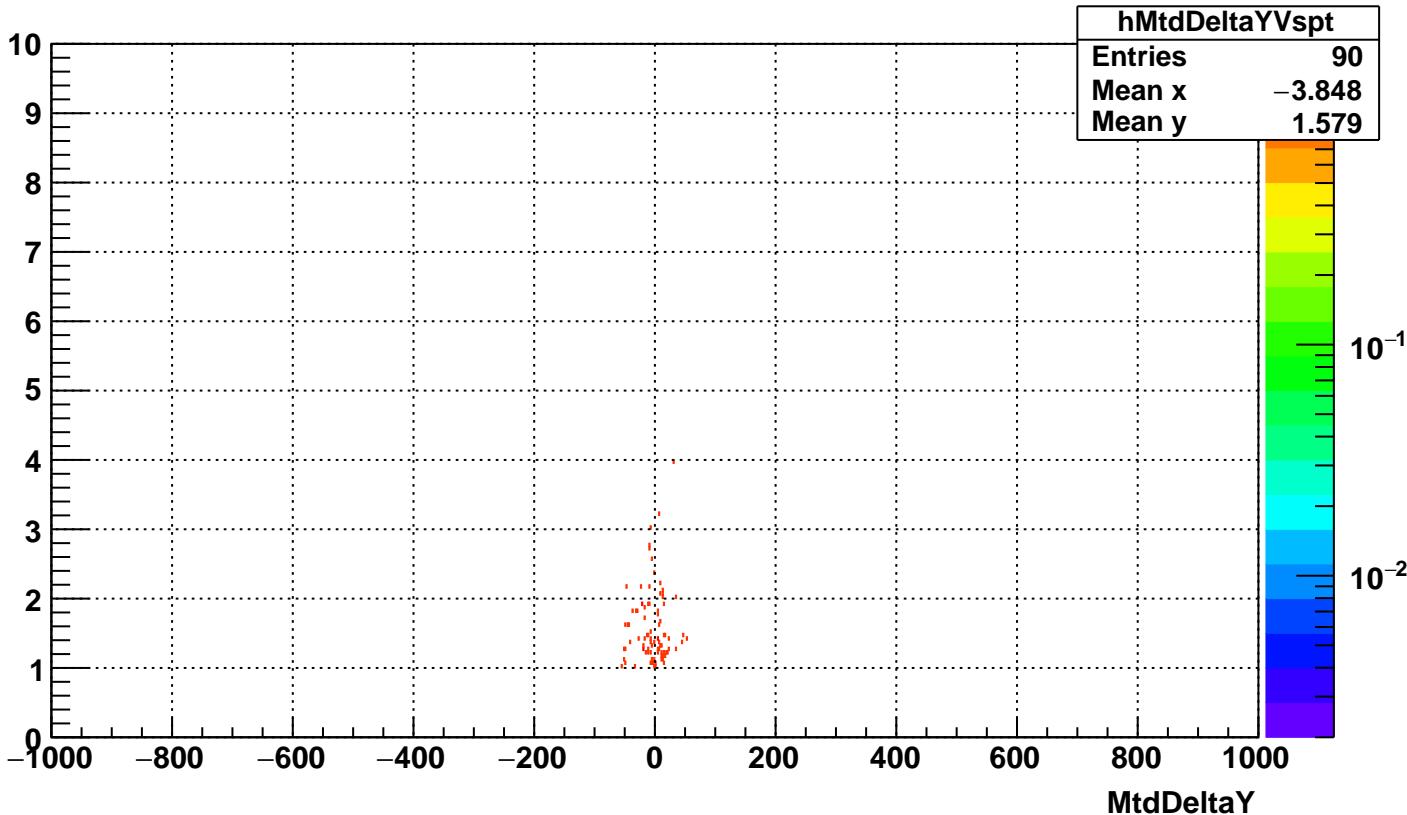
Entries 14970
Mean x -0.04317
Mean y 36.73

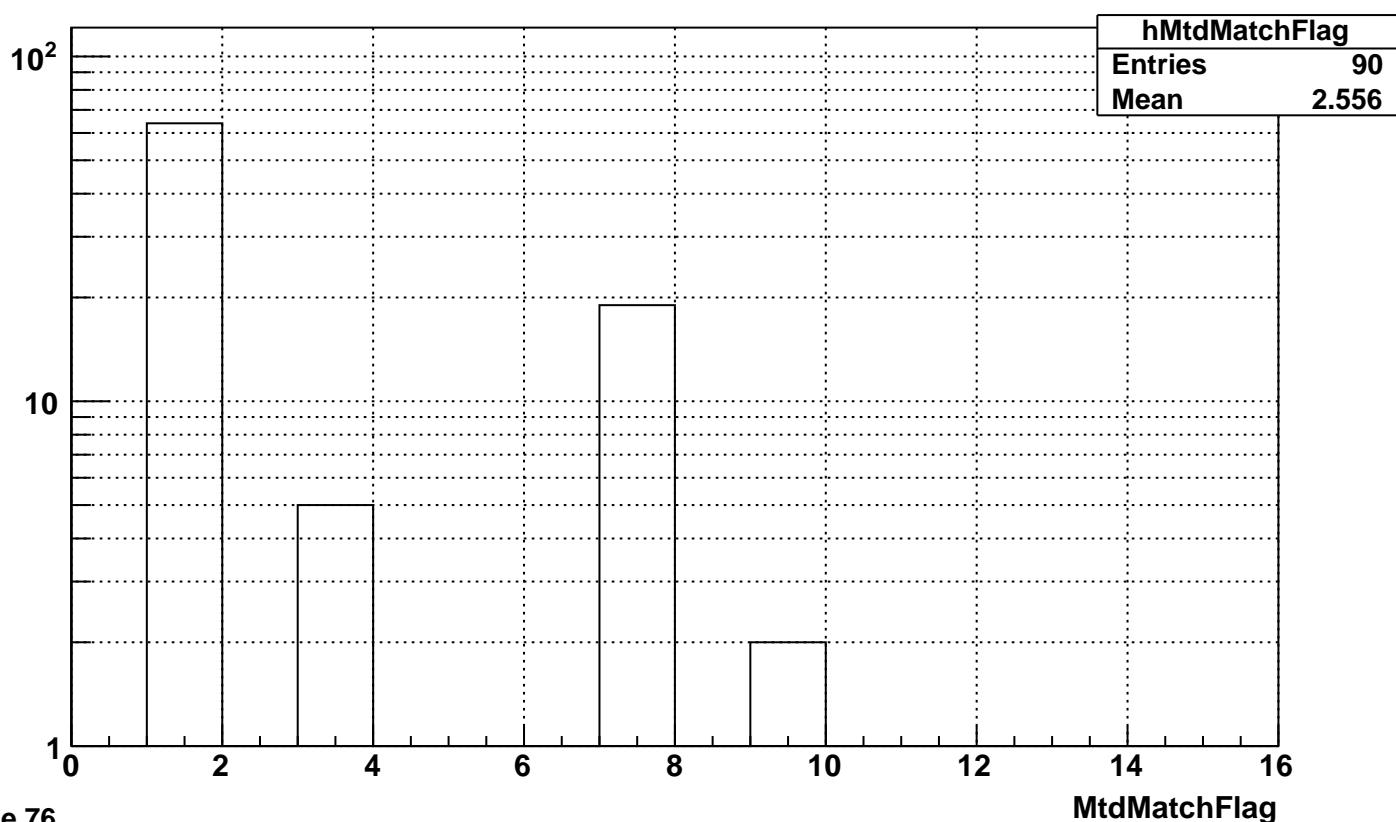
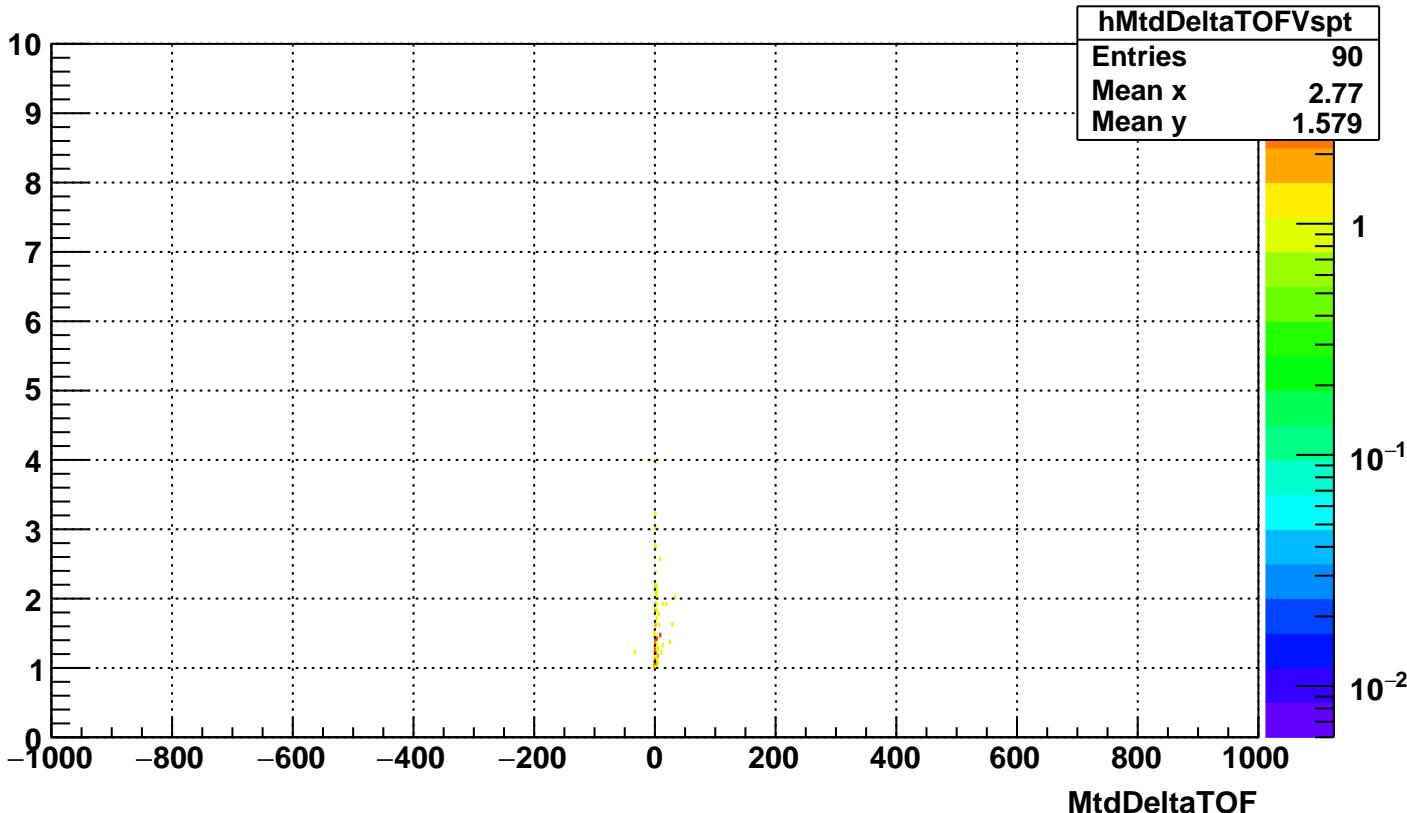


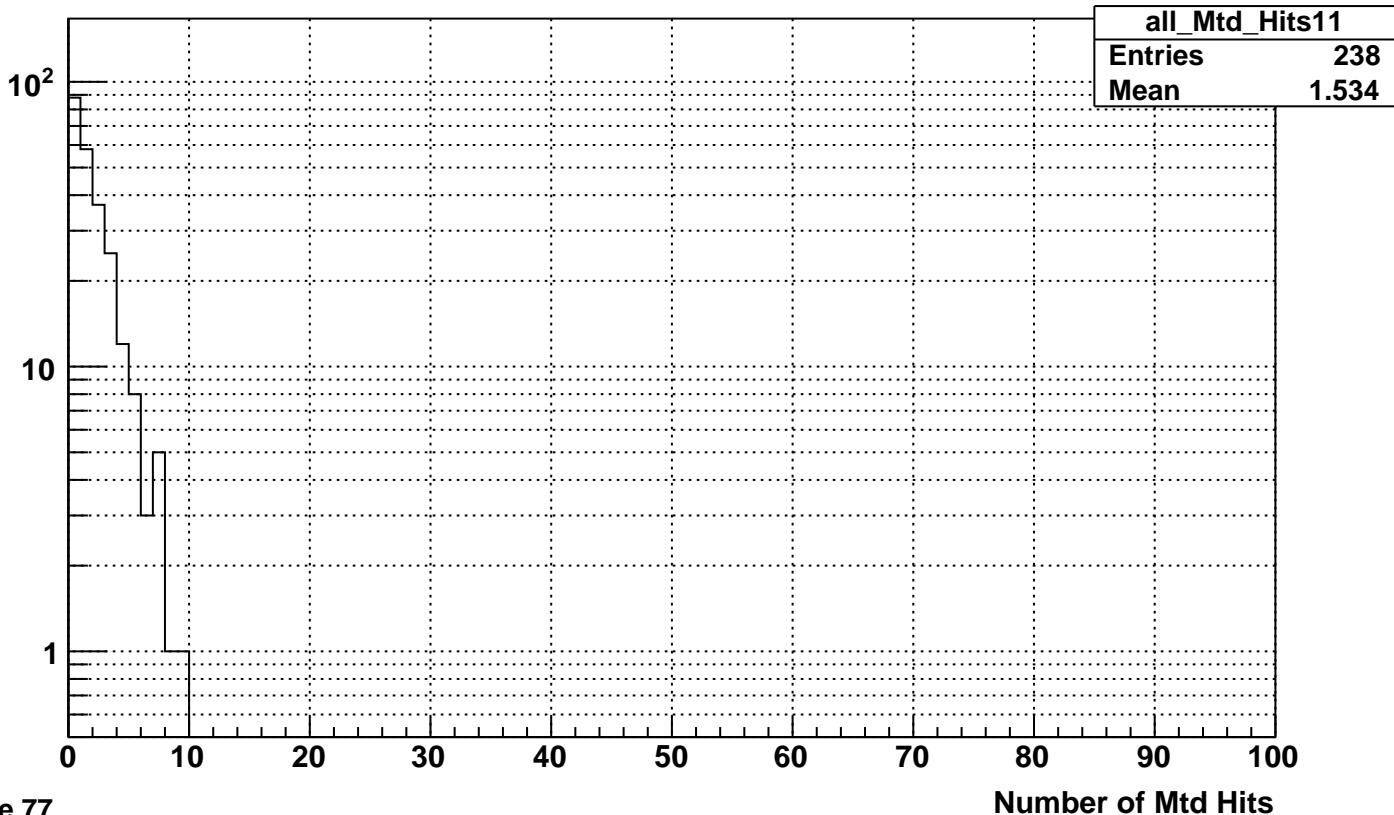
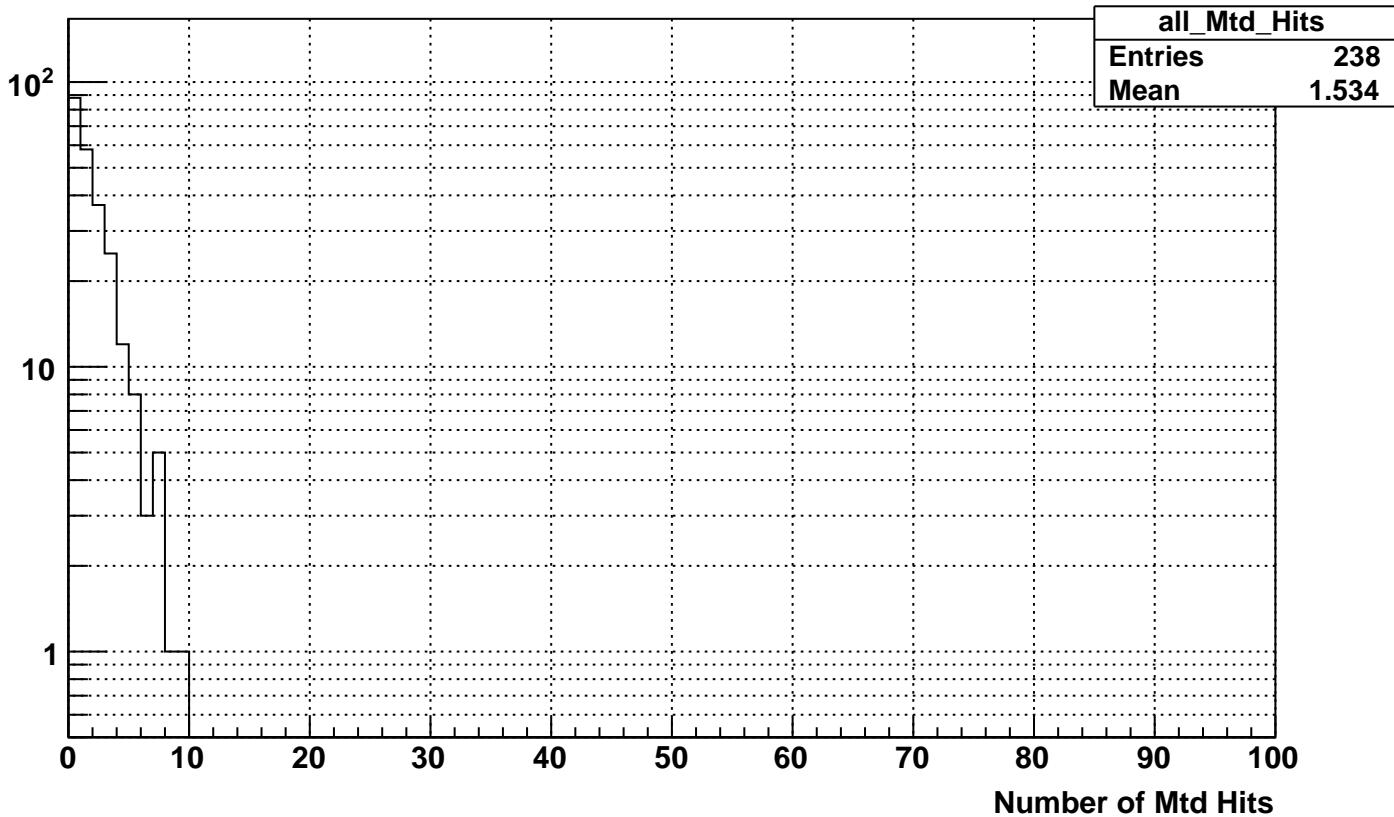
hNoHFTDcaZVsZdc

Entries 14970
Mean x -0.0121
Mean y 36.73

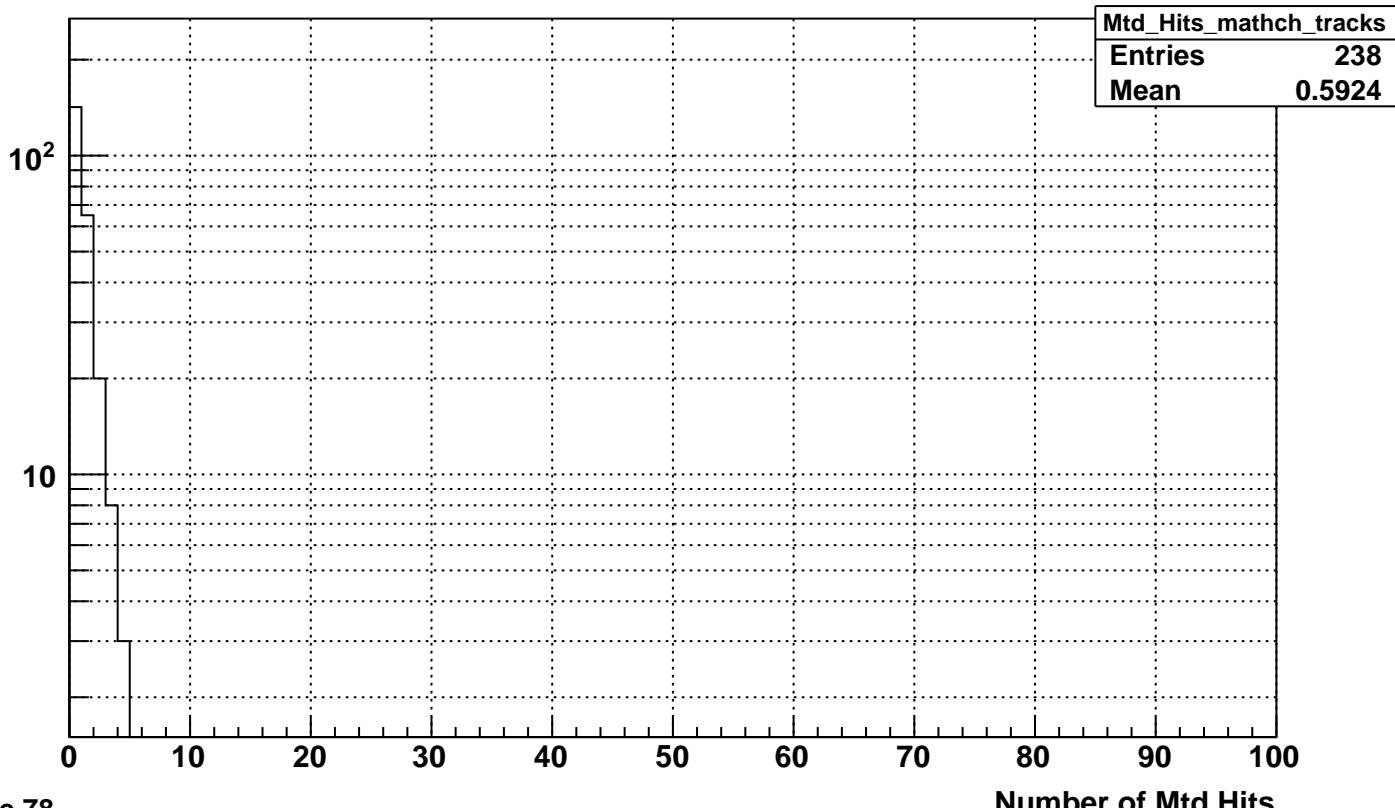
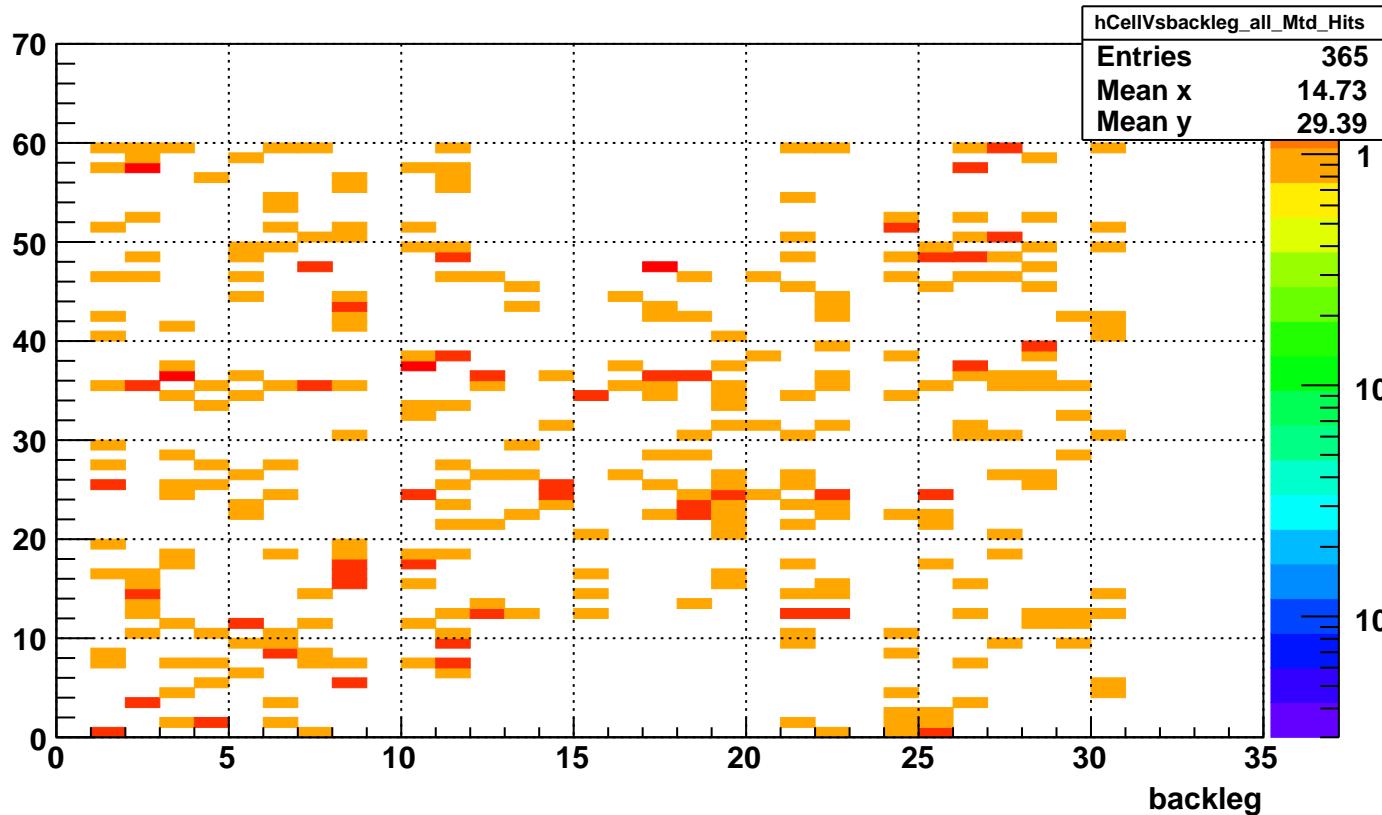




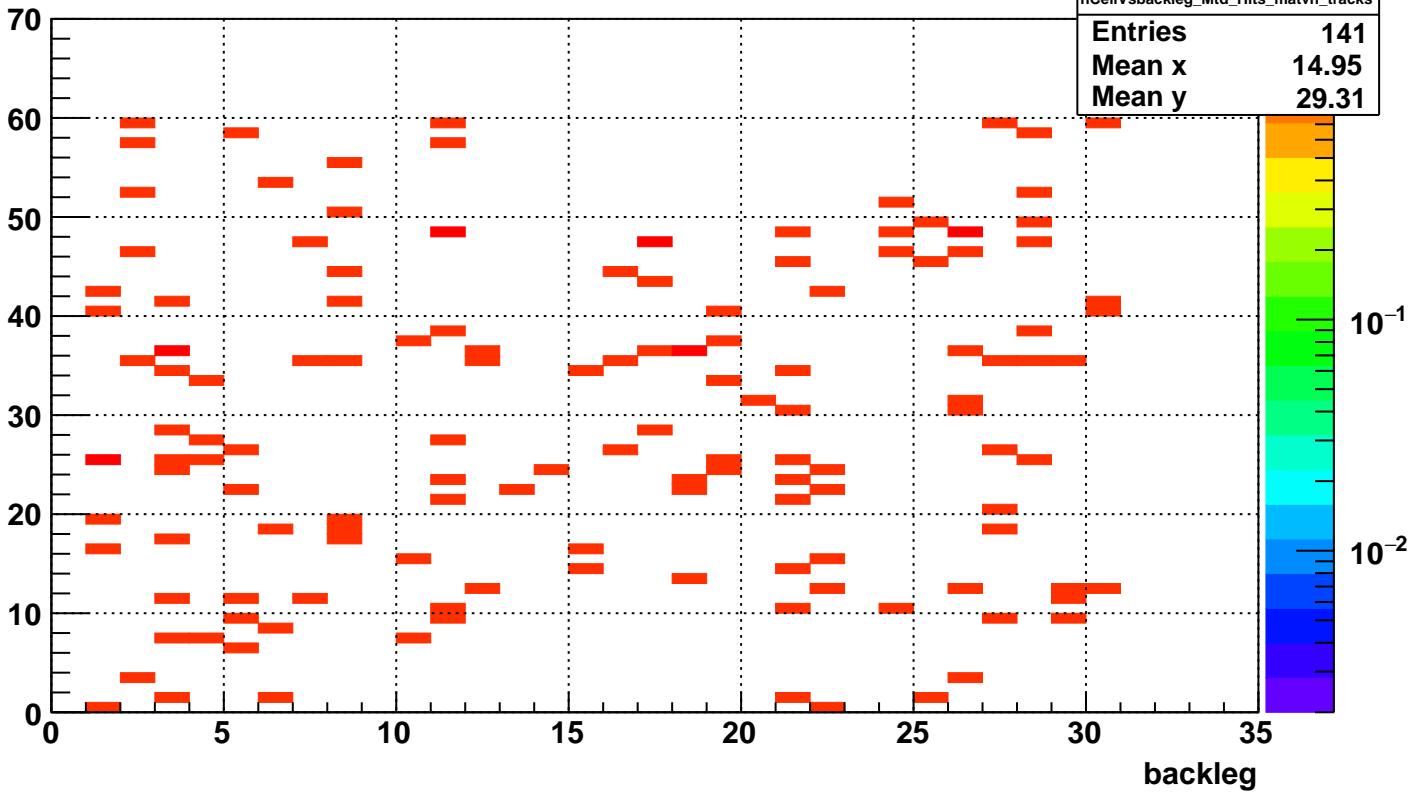




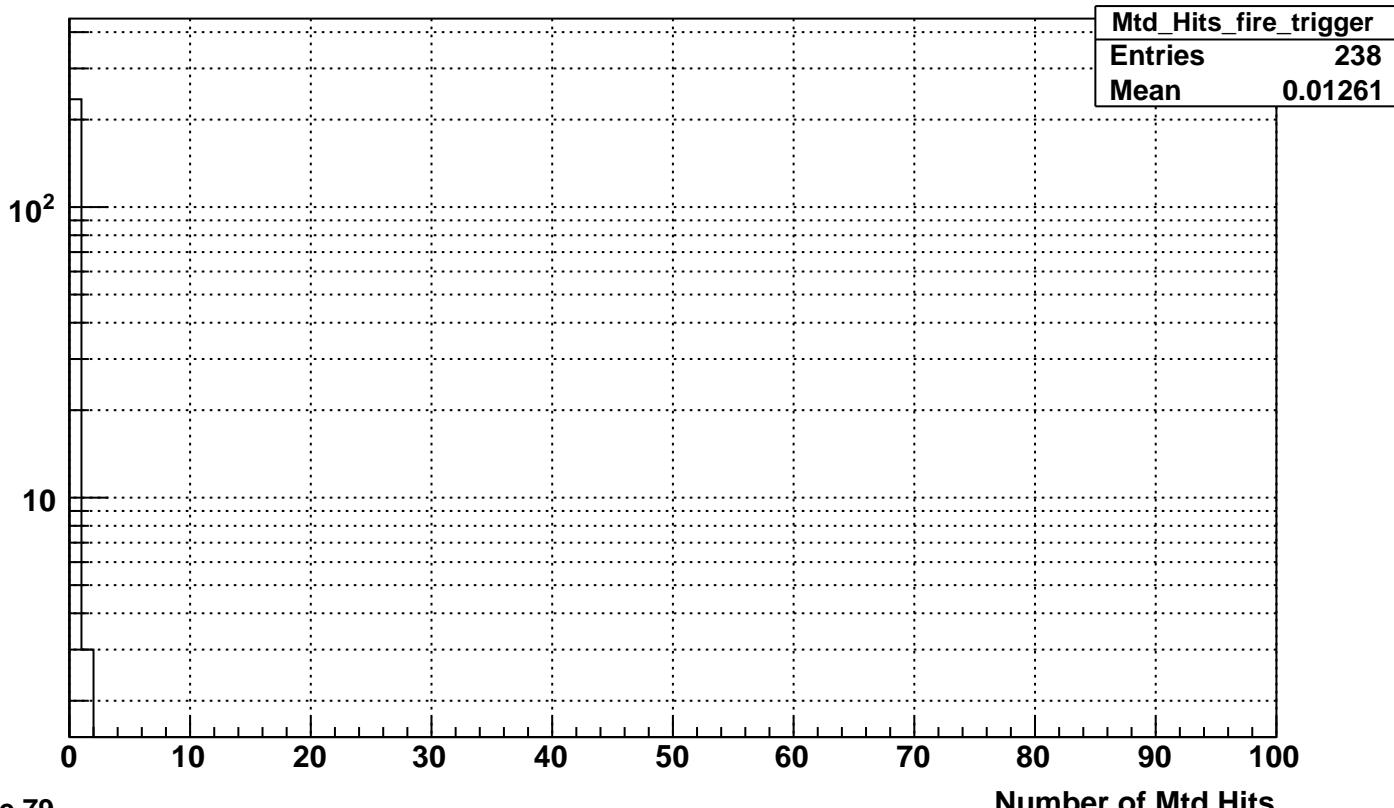
Cell



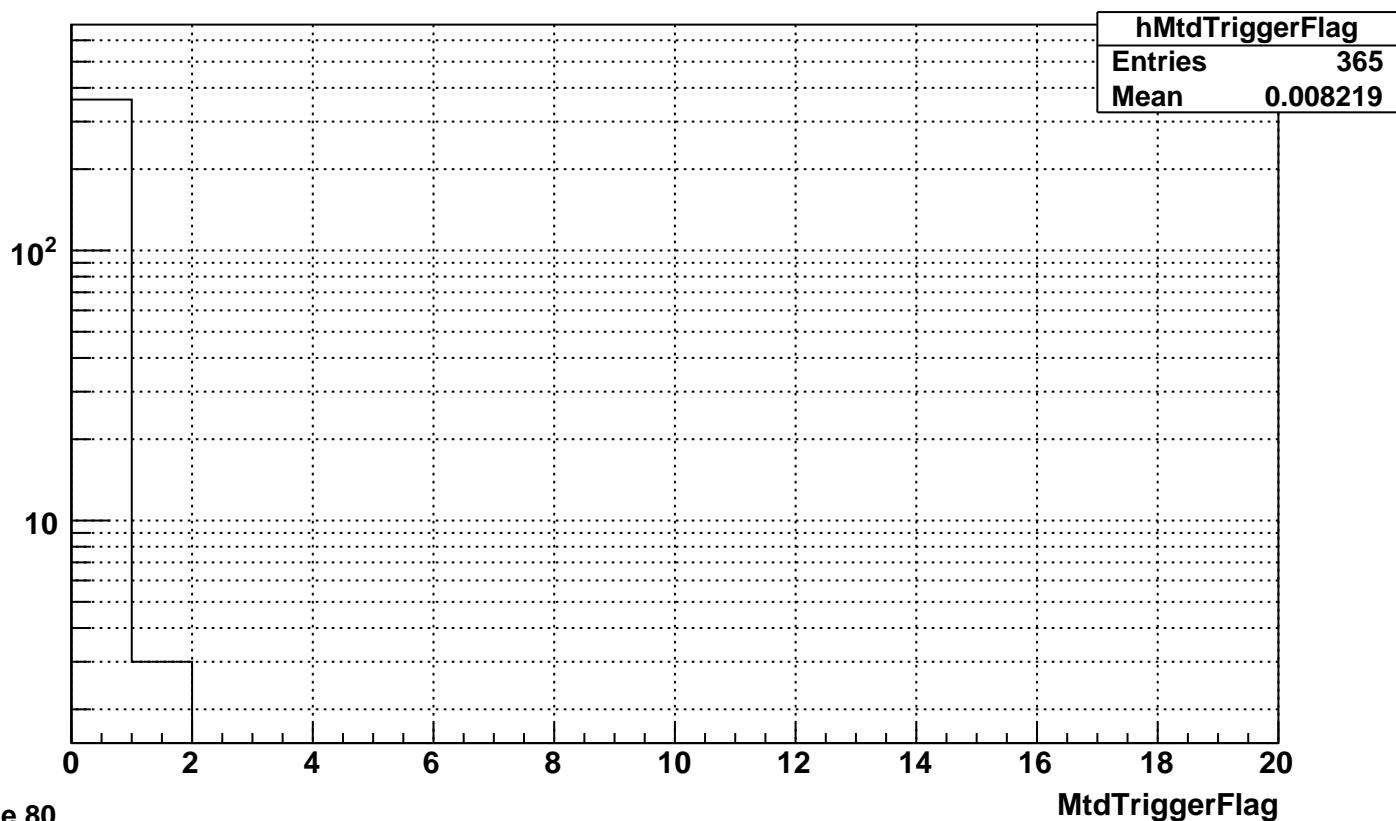
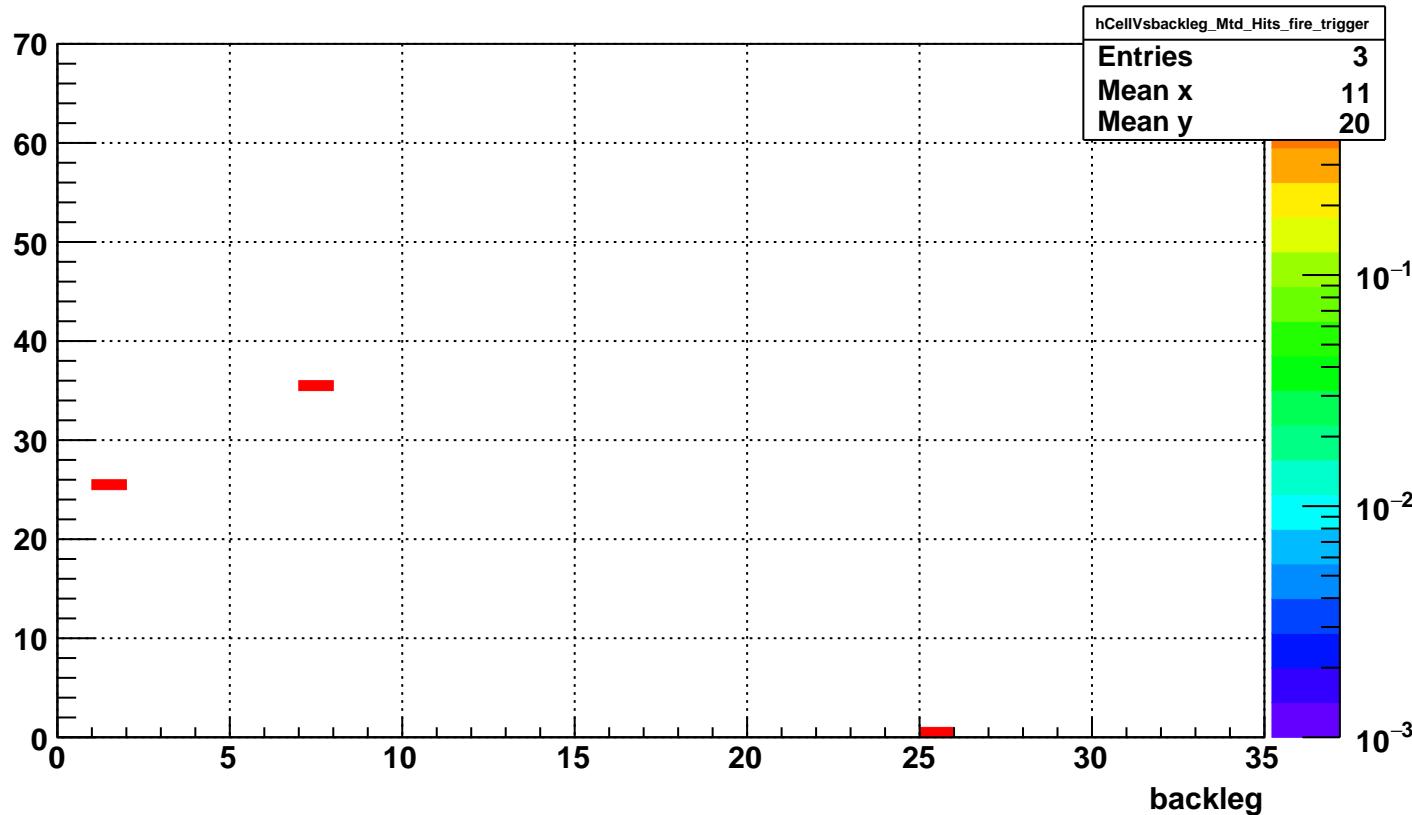
Entries 141
Mean x 14.95
Mean y 29.31



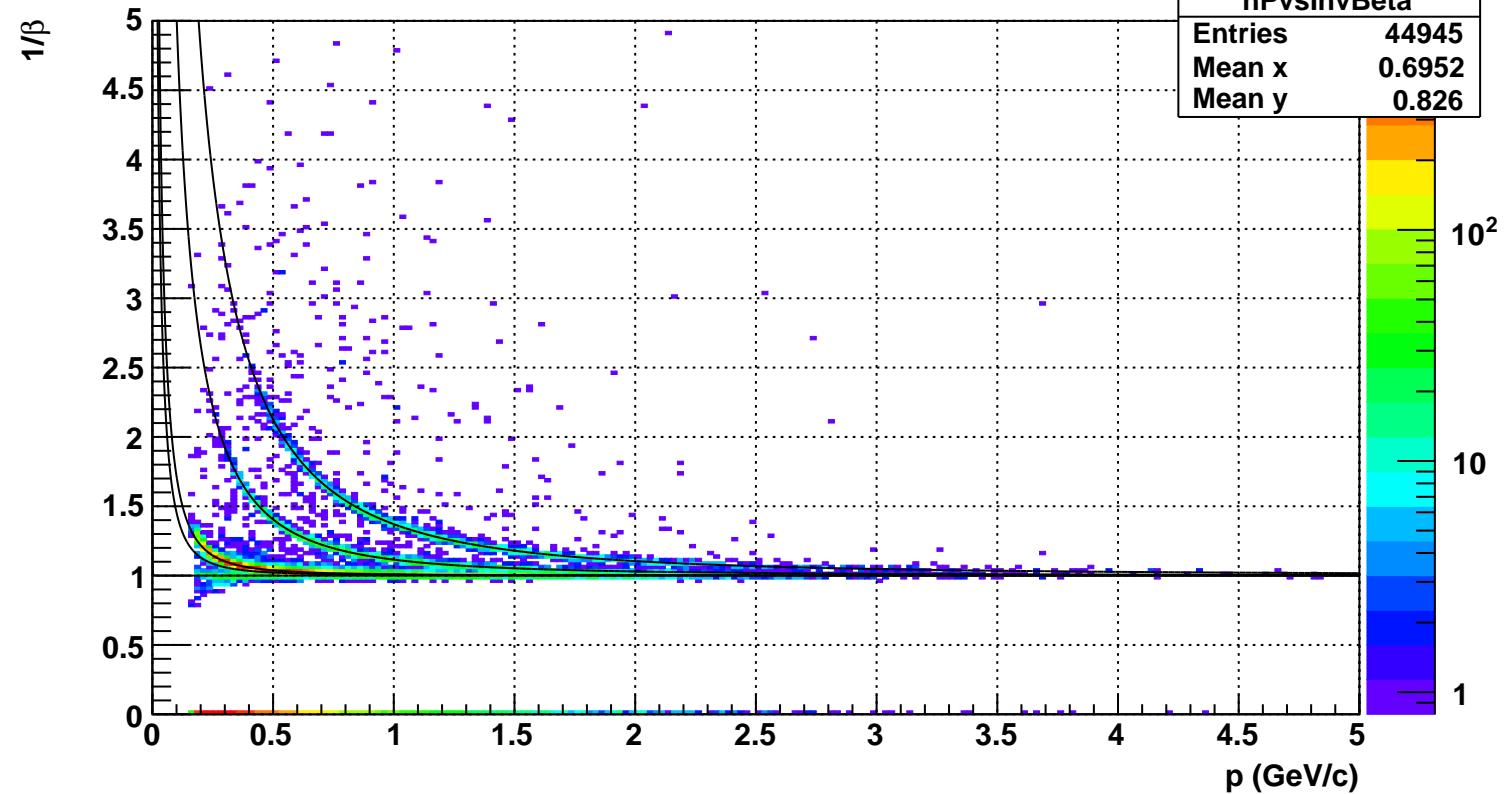
Mtd_Hits_fire_trigger
Entries 238
Mean 0.01261



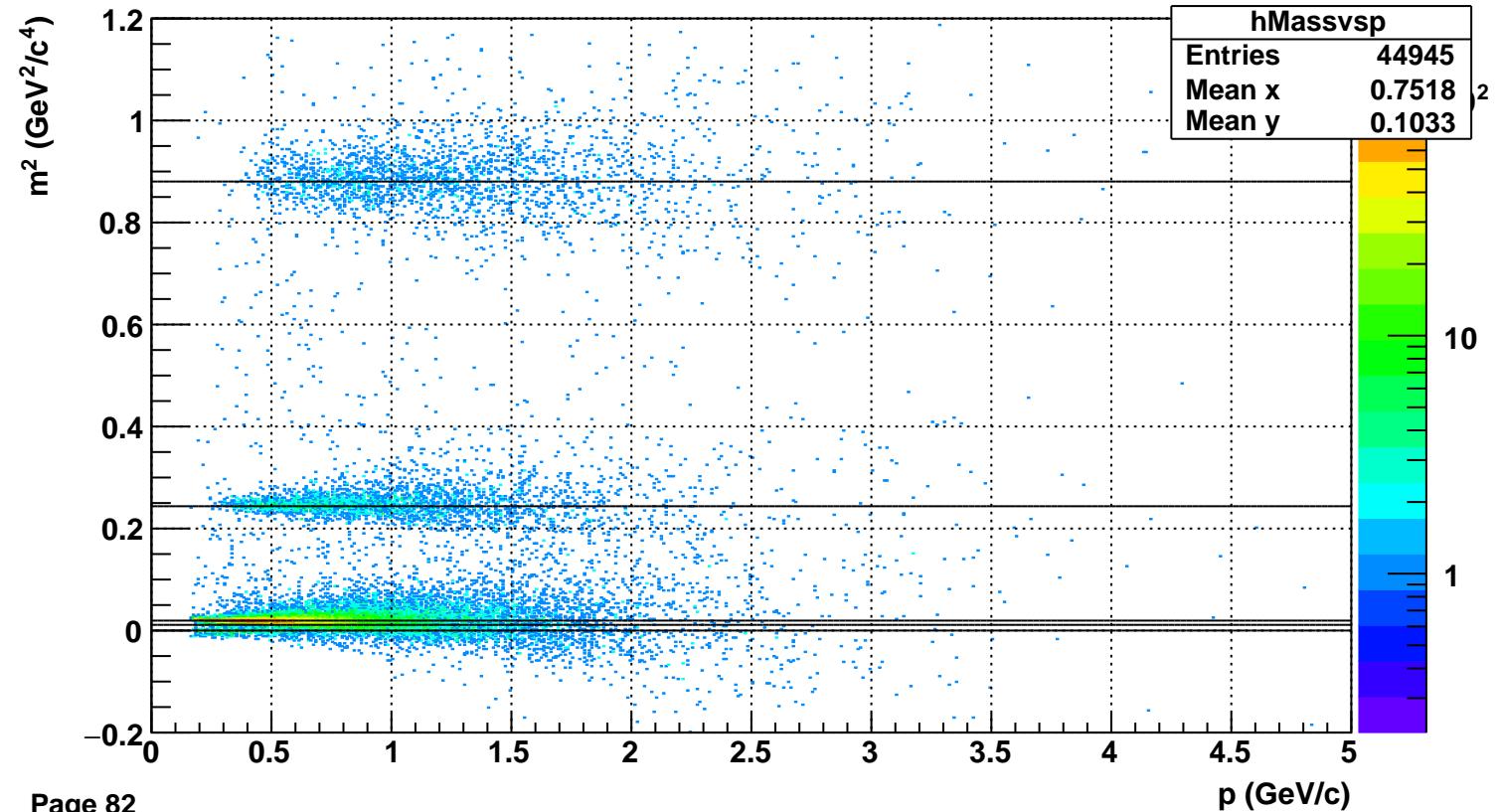
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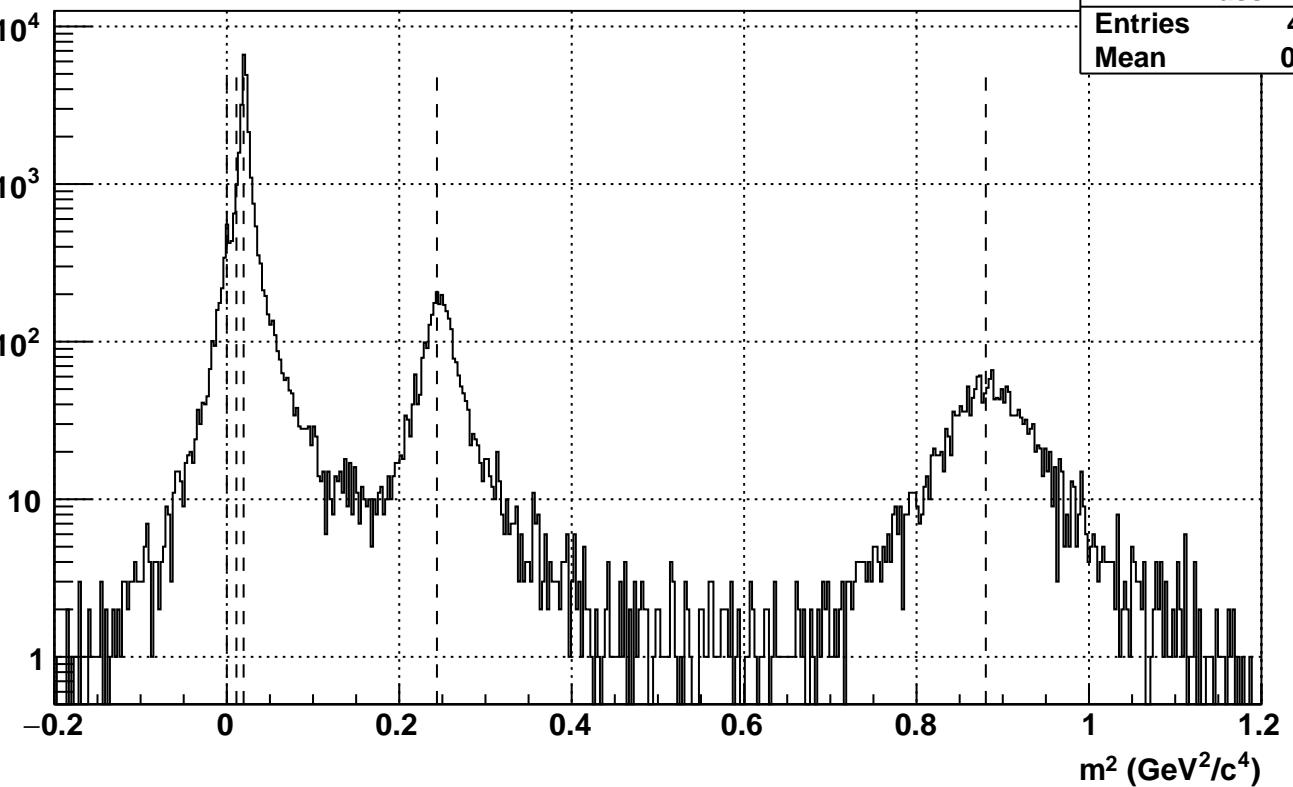
hPvsInvBeta	
Entries	44945
Mean x	0.6952
Mean y	0.826



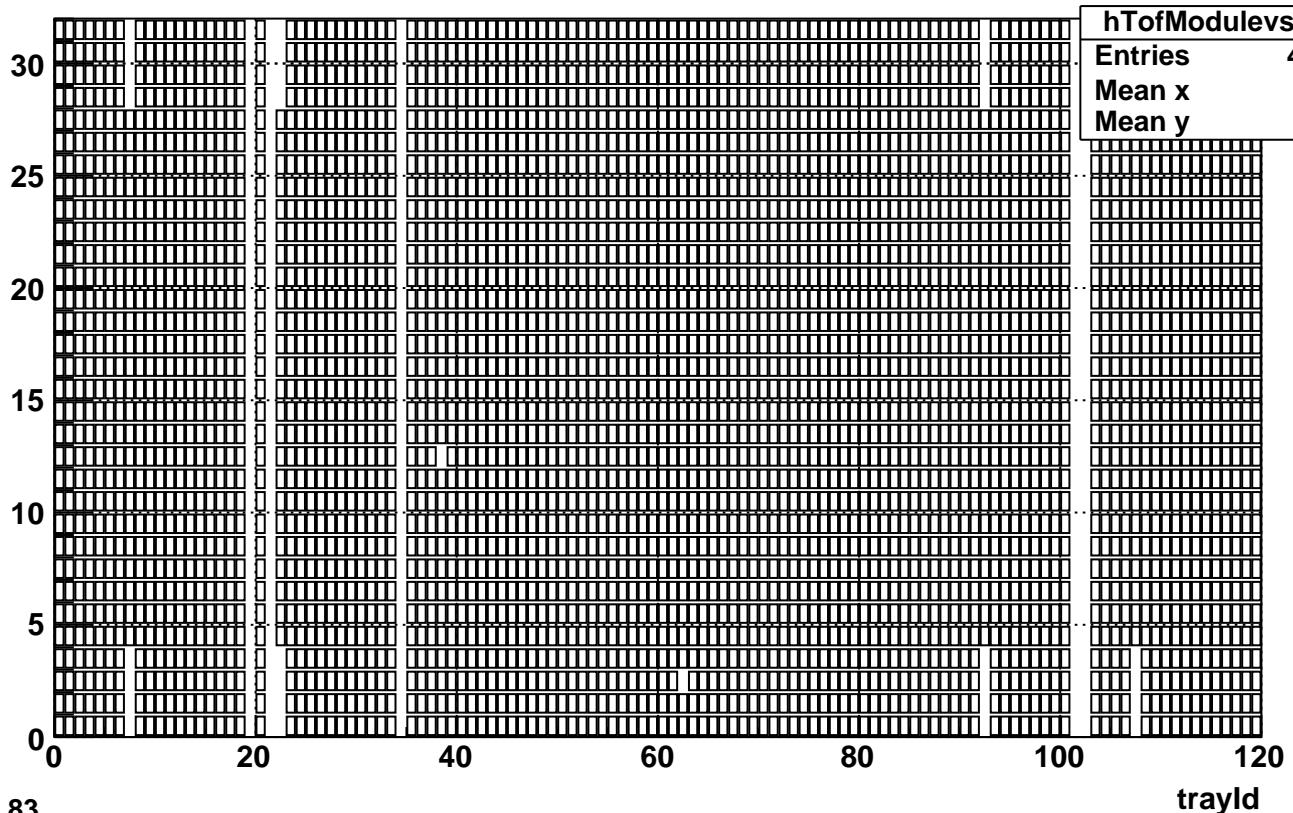
hMassvsp	
Entries	44945
Mean x	0.7518
Mean y	0.1033

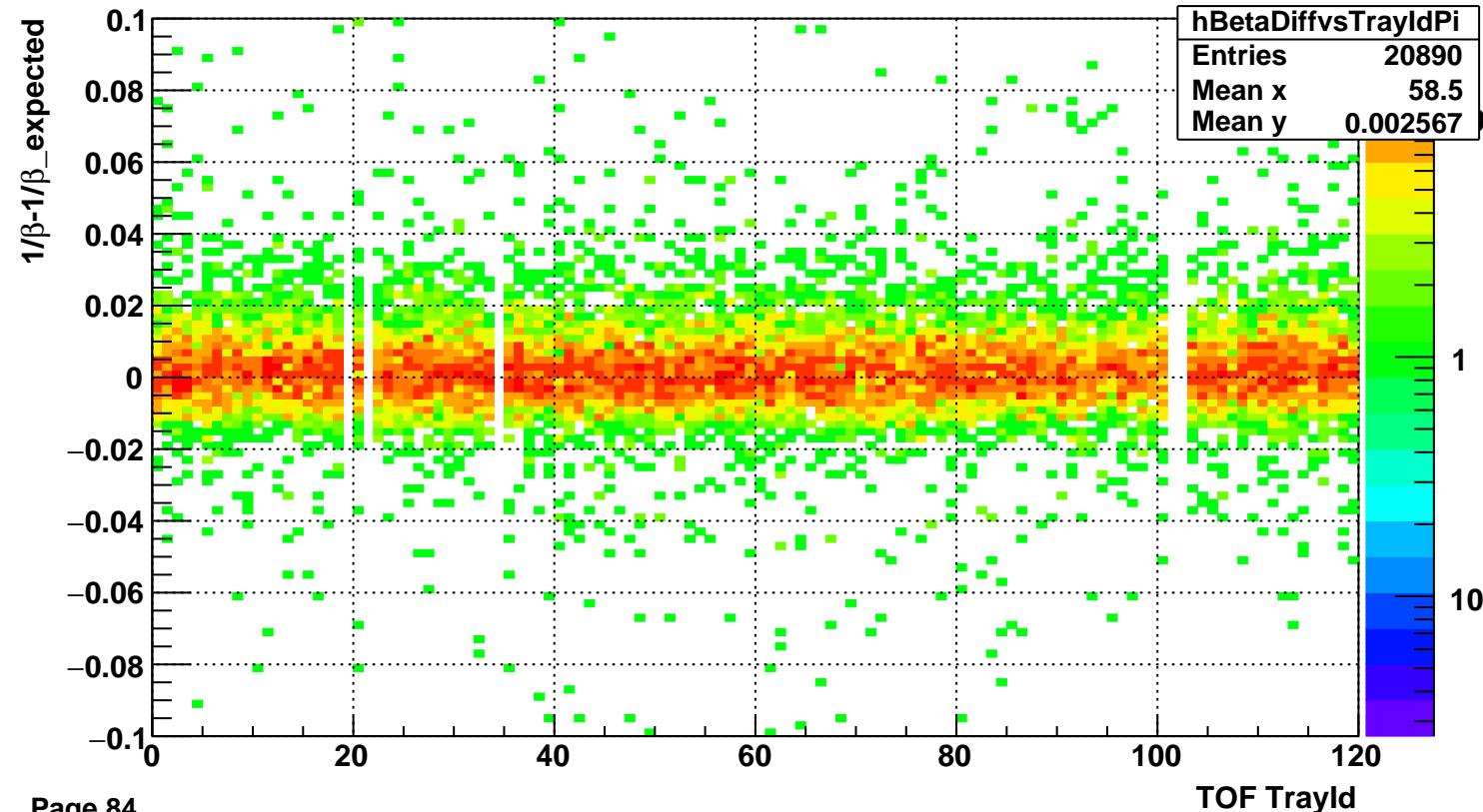
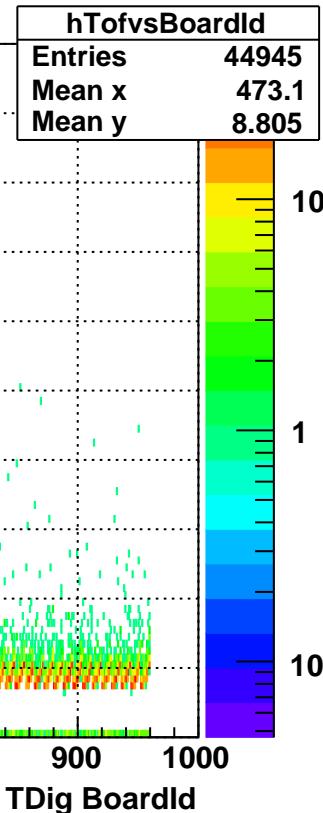


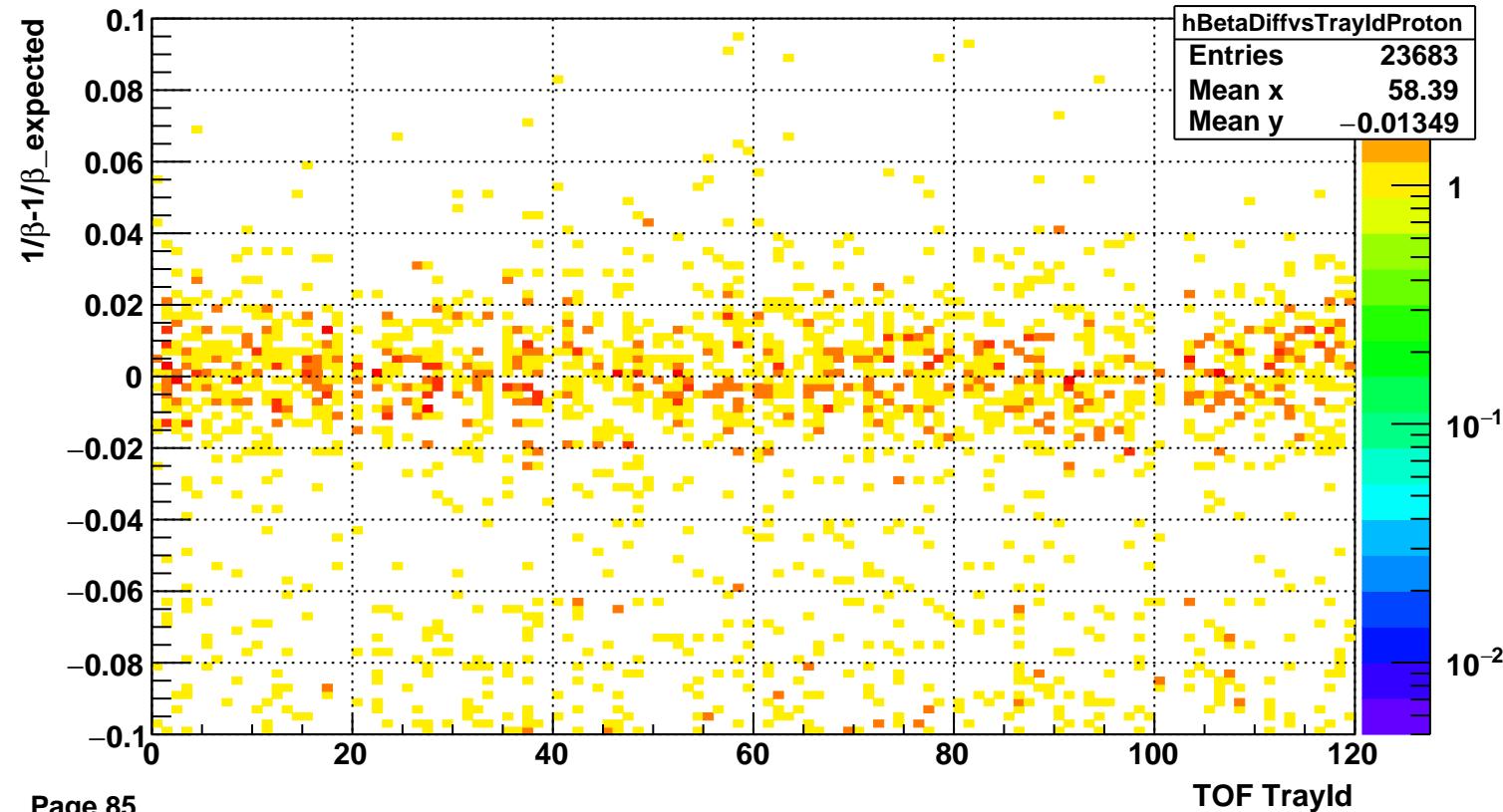
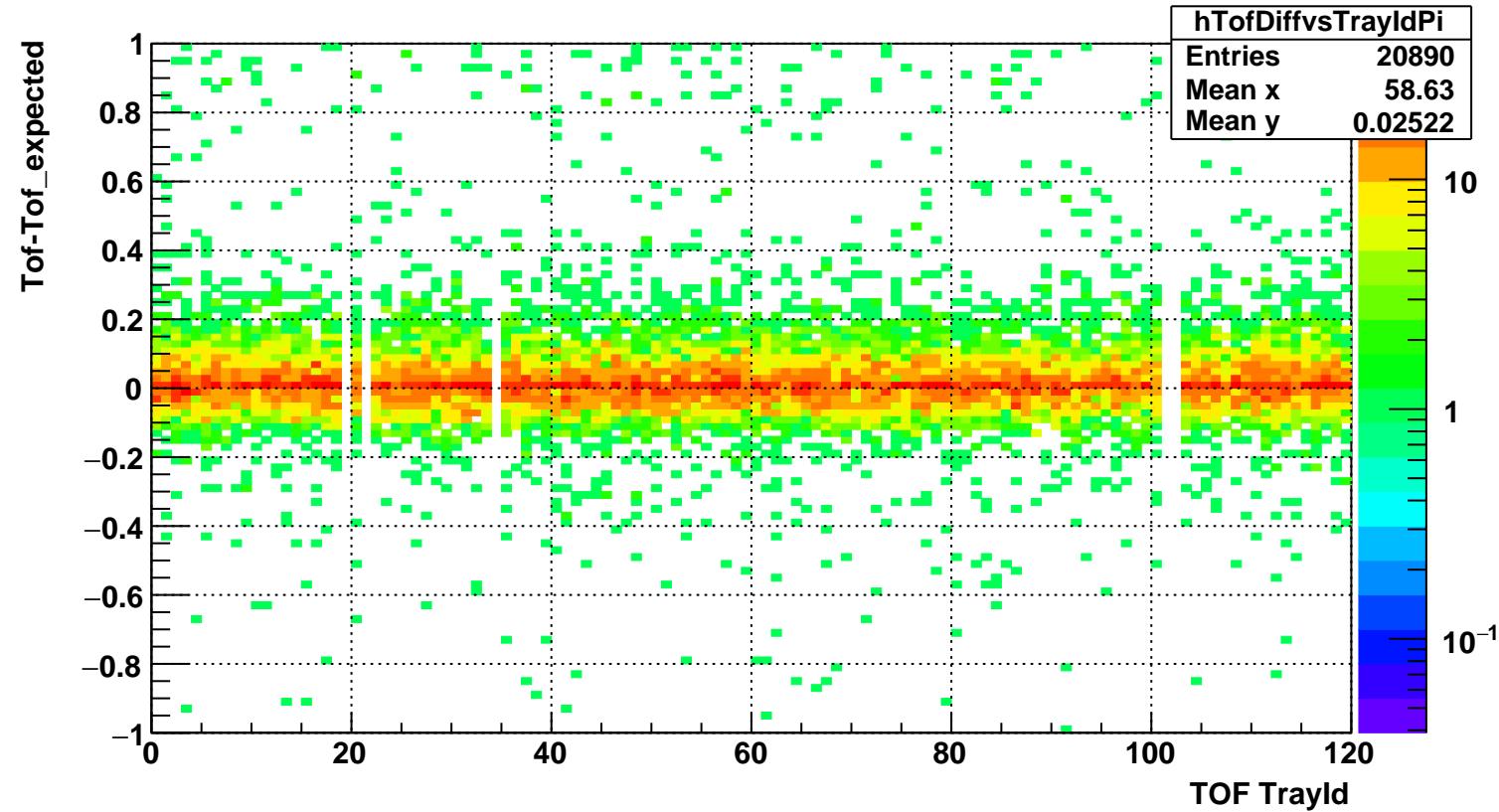
hMass2
Entries 44945
Mean 0.1033

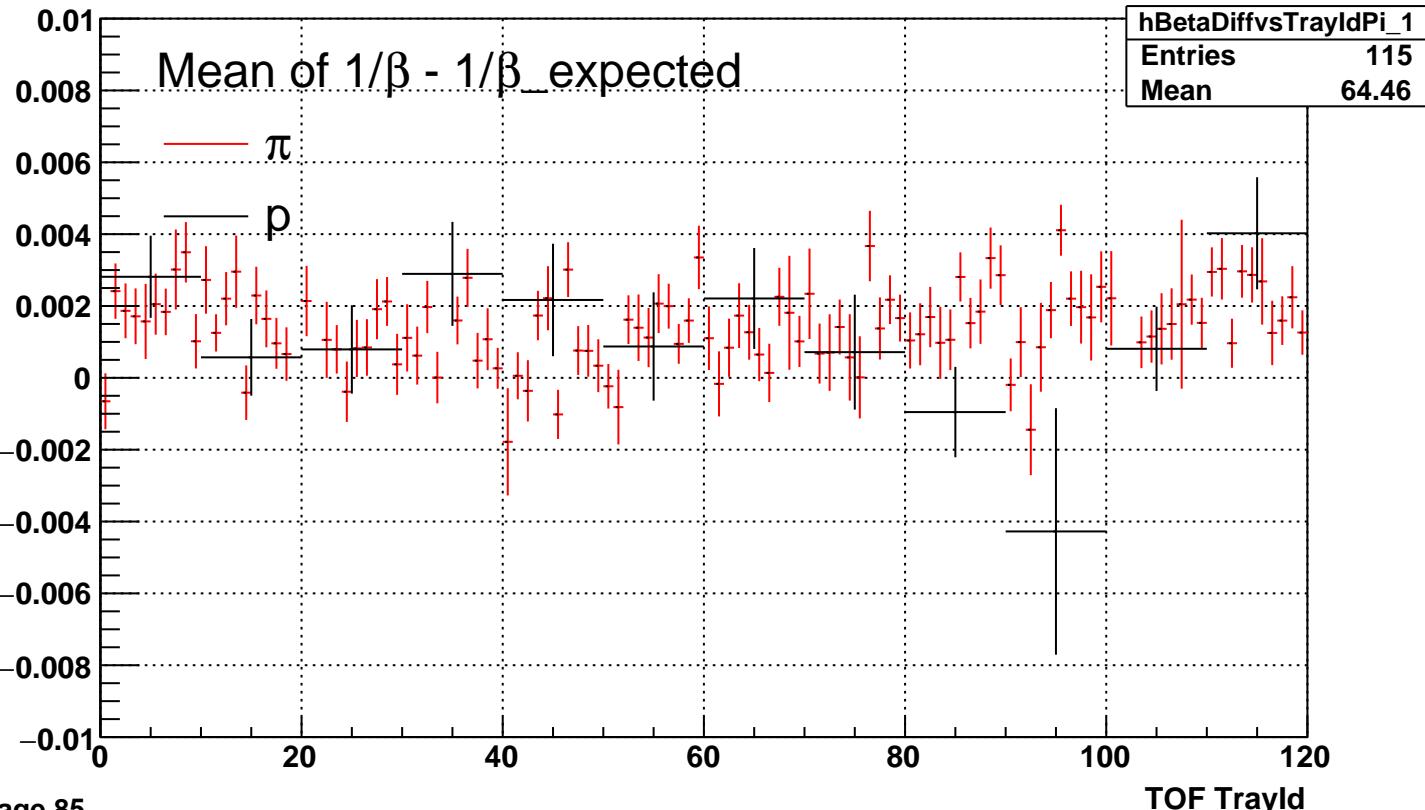
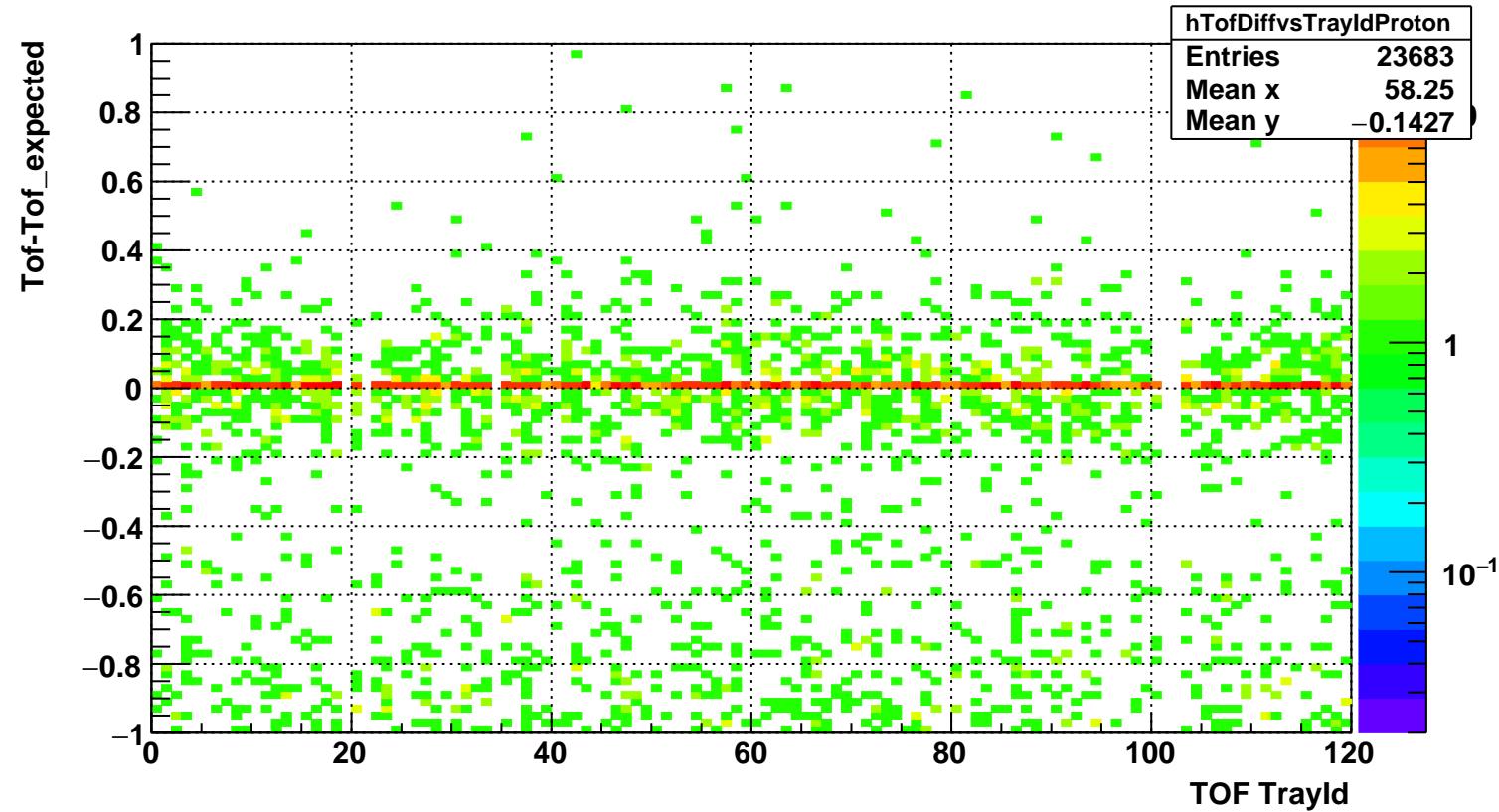


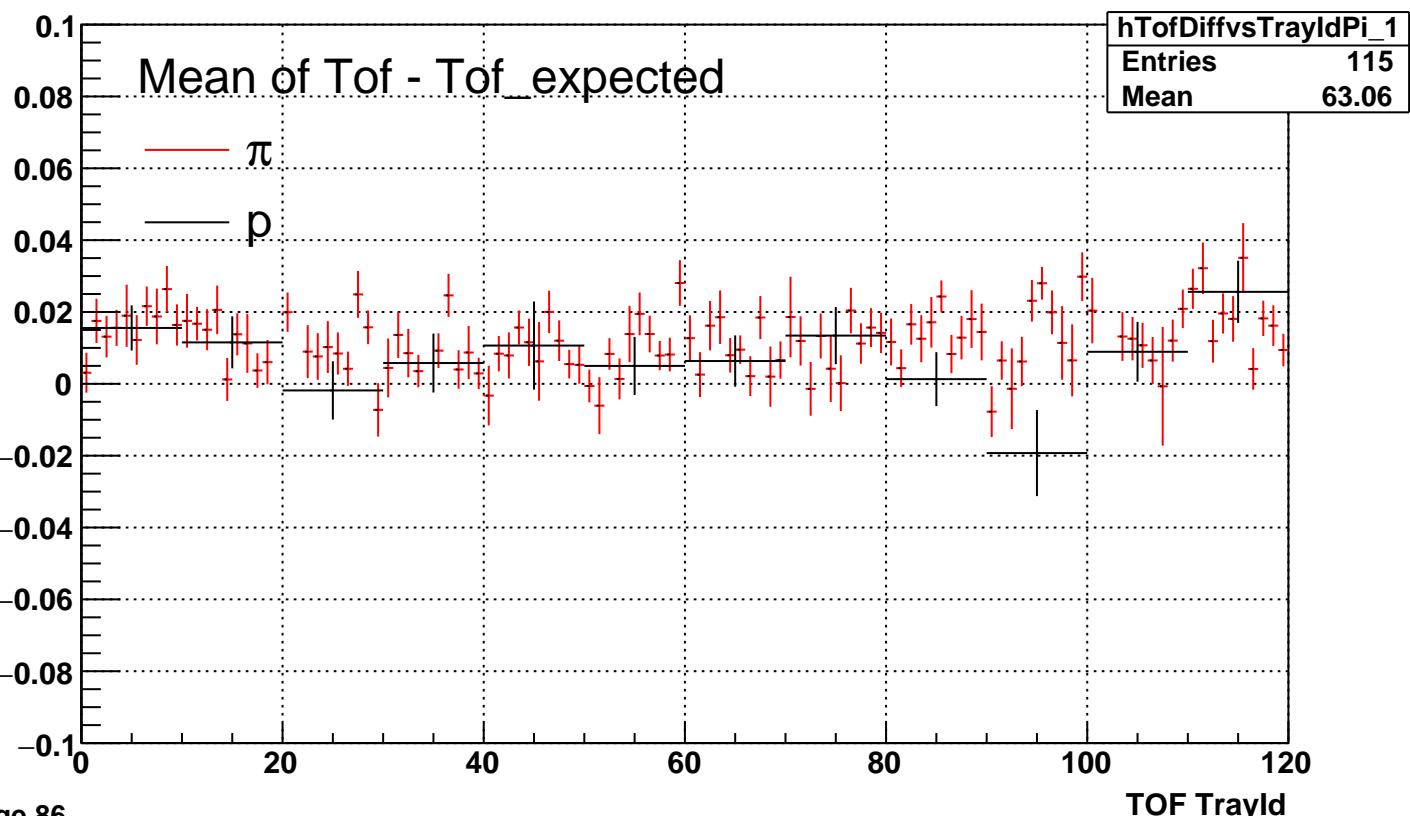
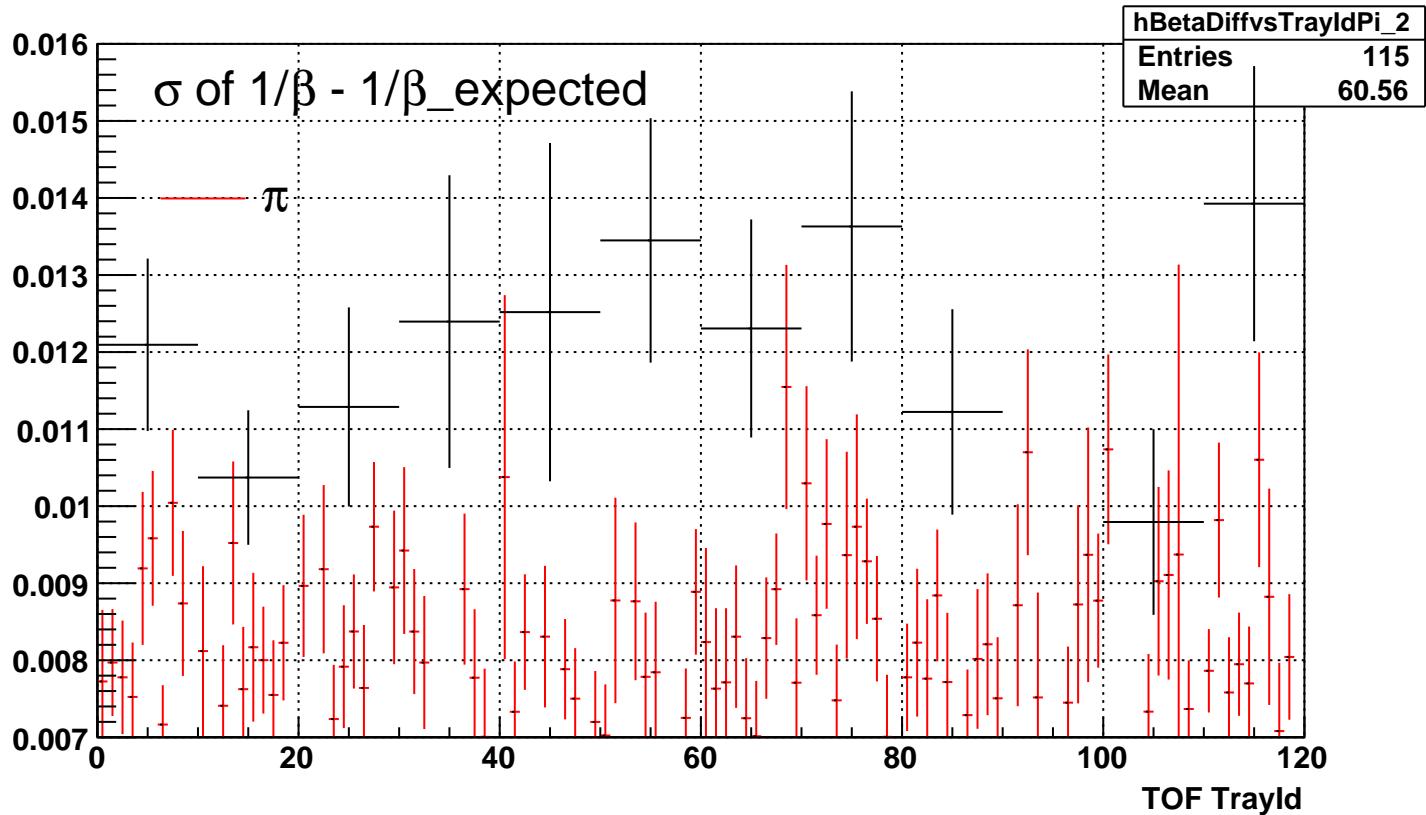
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Entries 44945
Mean x 58.7
Mean y 15.59

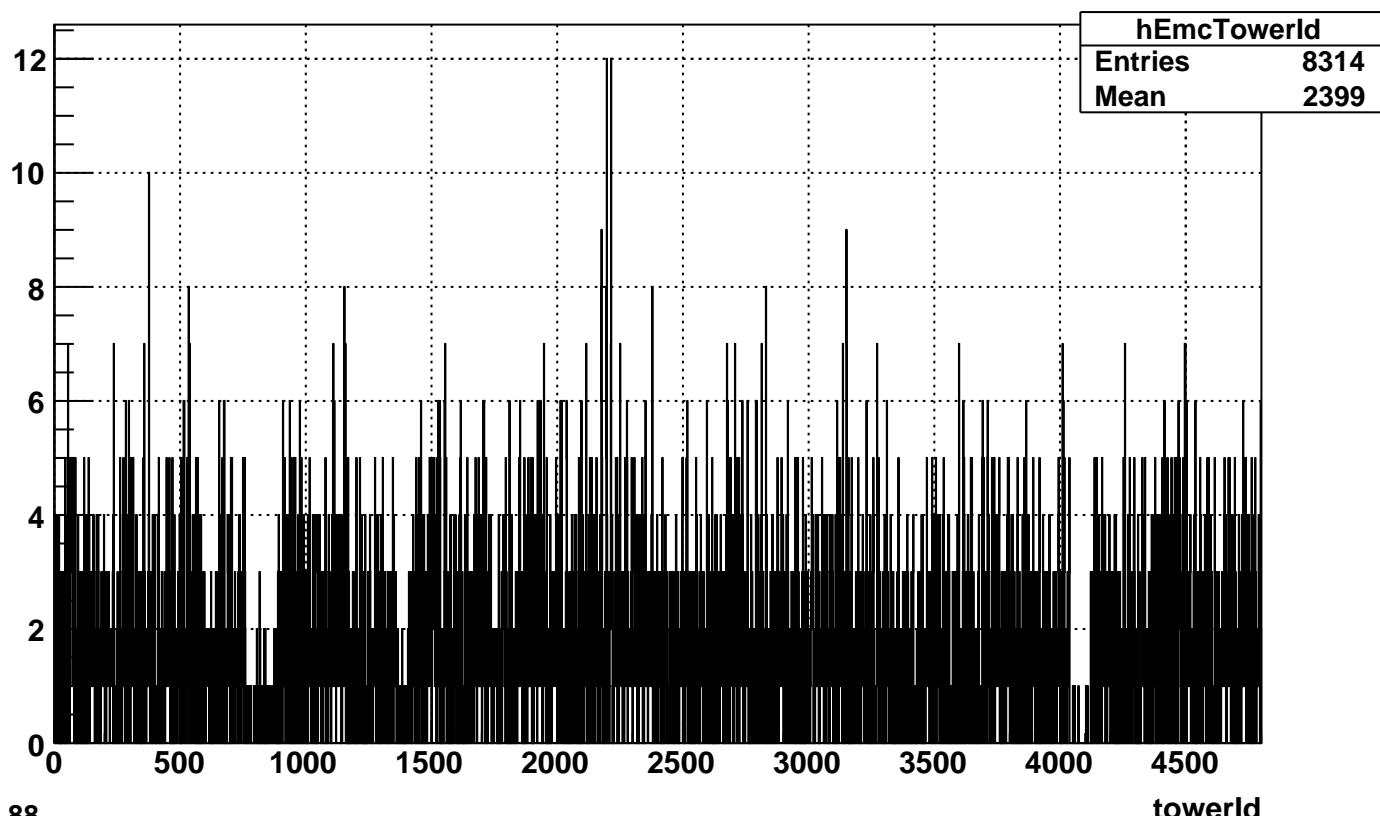
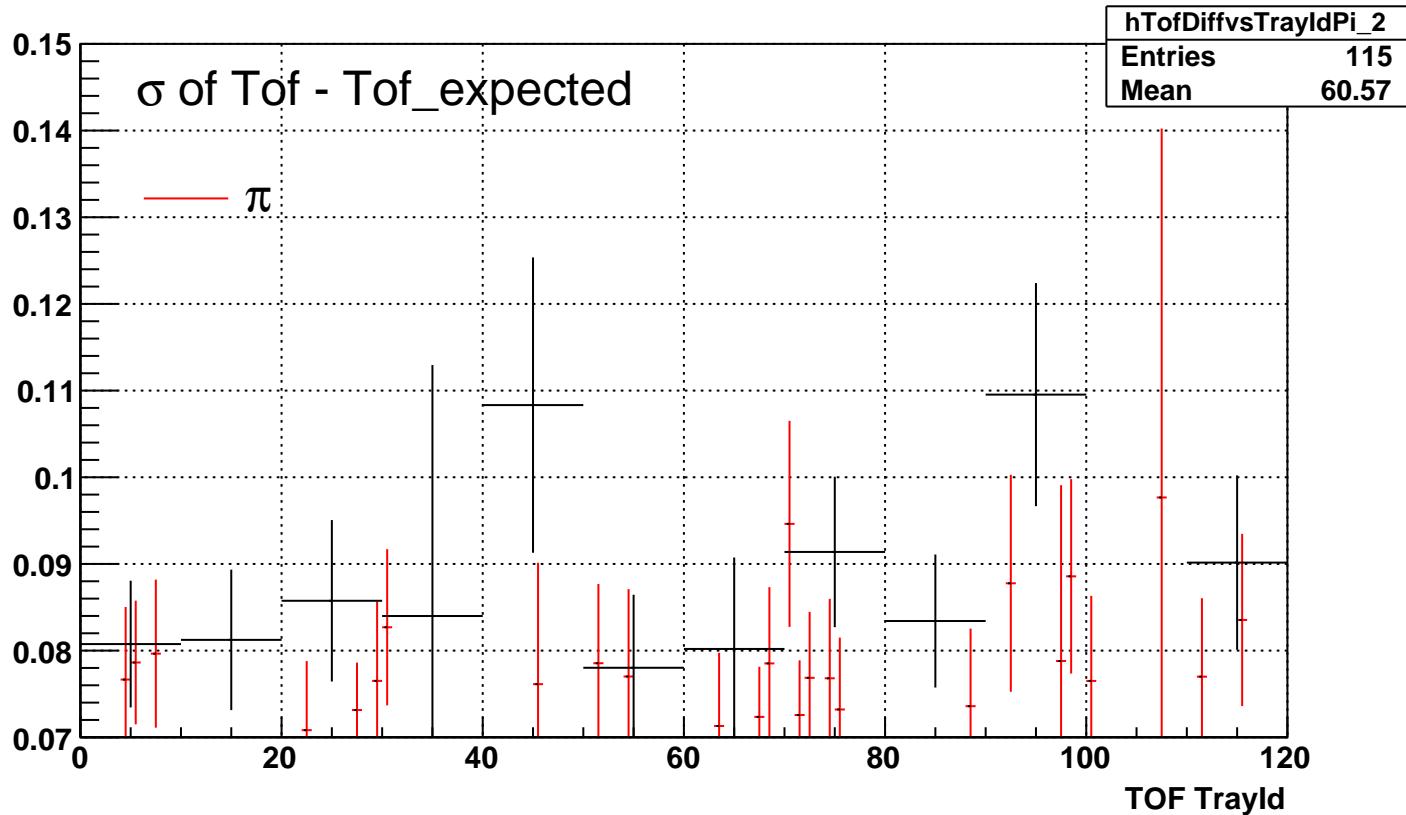


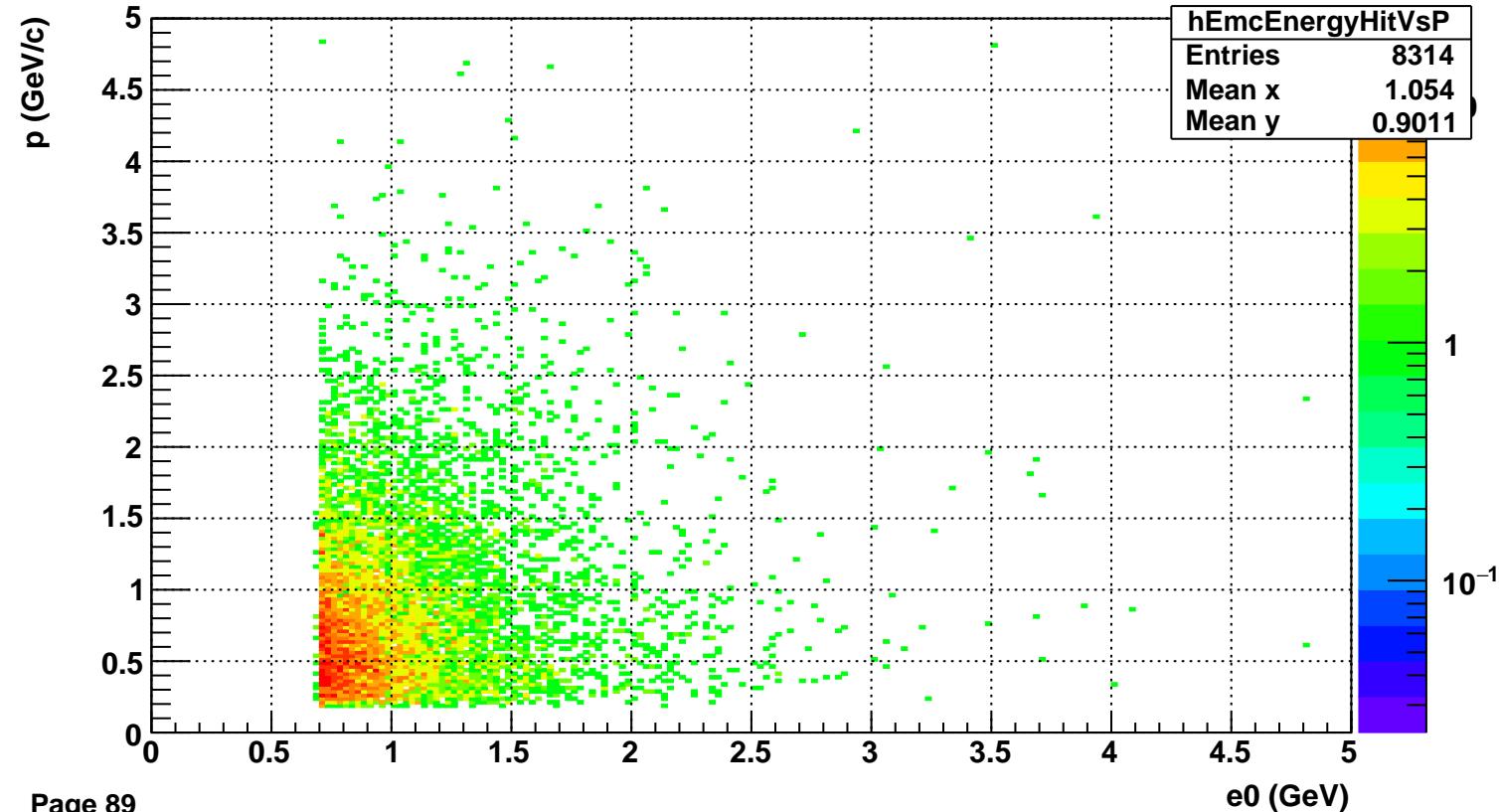
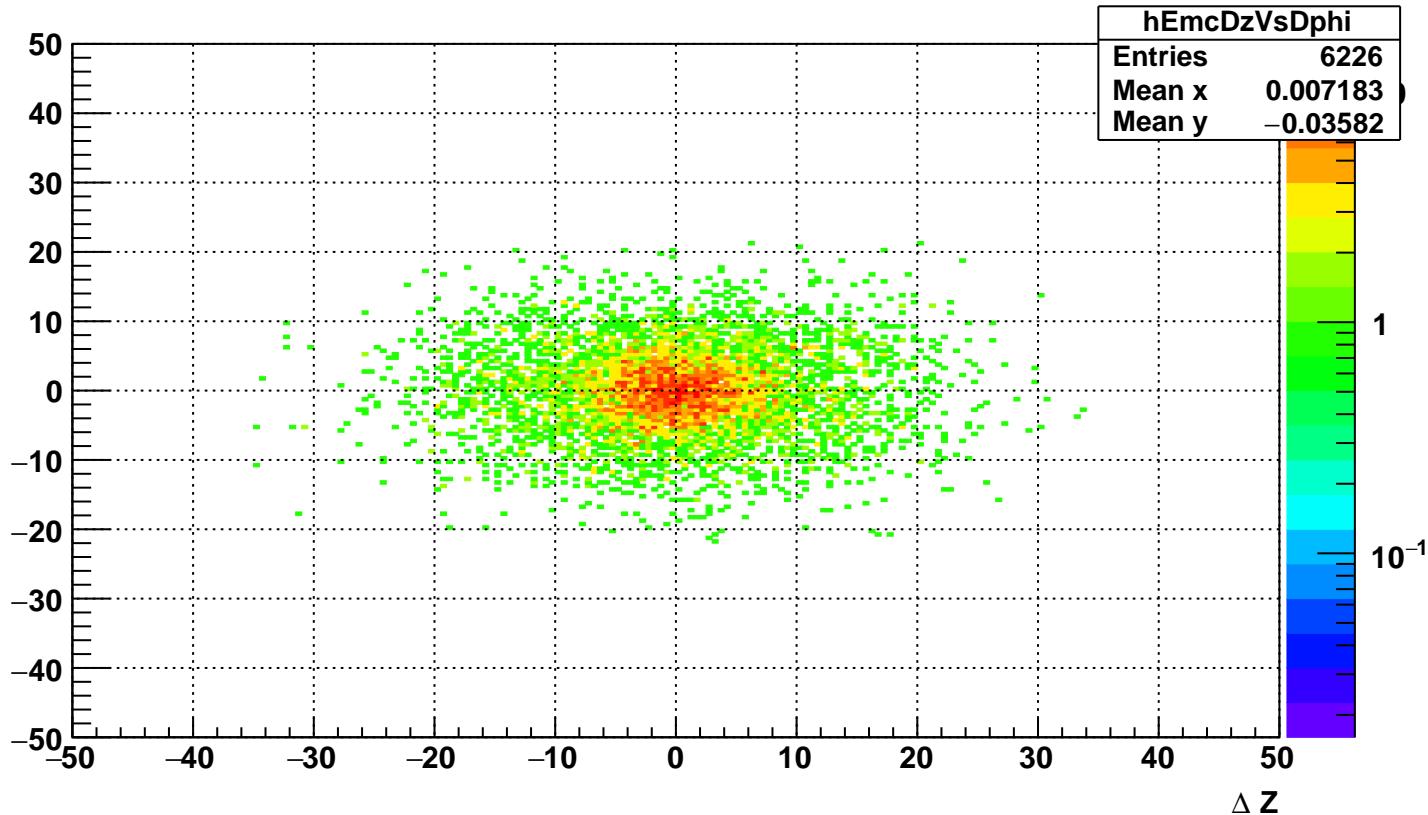




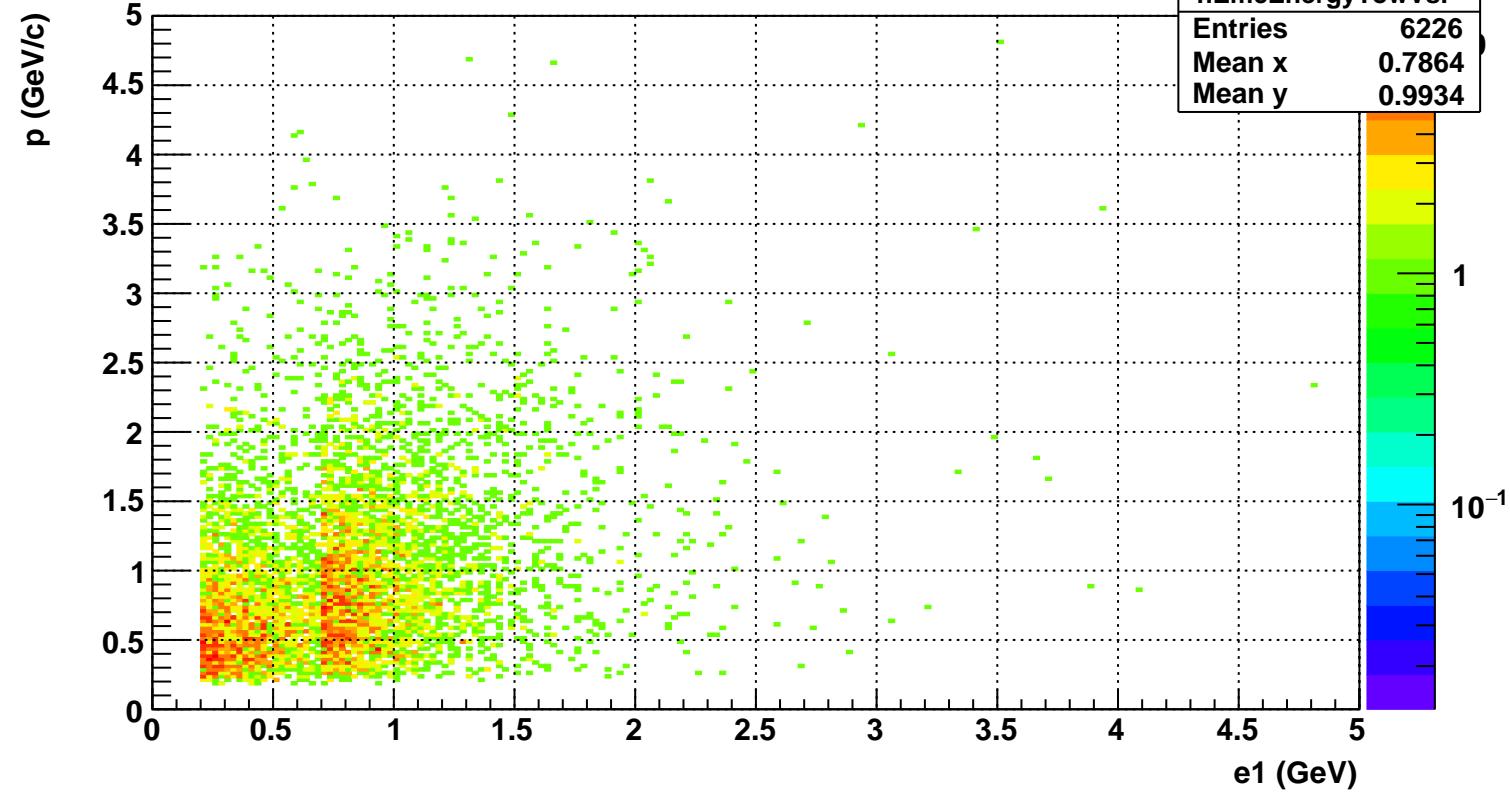








hEmcEnergyTowVsP
Entries 6226
Mean x 0.7864
Mean y 0.9934



hEmcEnergySumVsP
Entries 8314
Mean x 1.88
Mean y 0.9002

