

PicoDst QA AuAu 200 GeV reProdu

File: Run14.AuAu200GeV.picoQA.root

Number of events:

1242.0 M

1107.6 M after cuts

Event Cuts: Library->SL16d

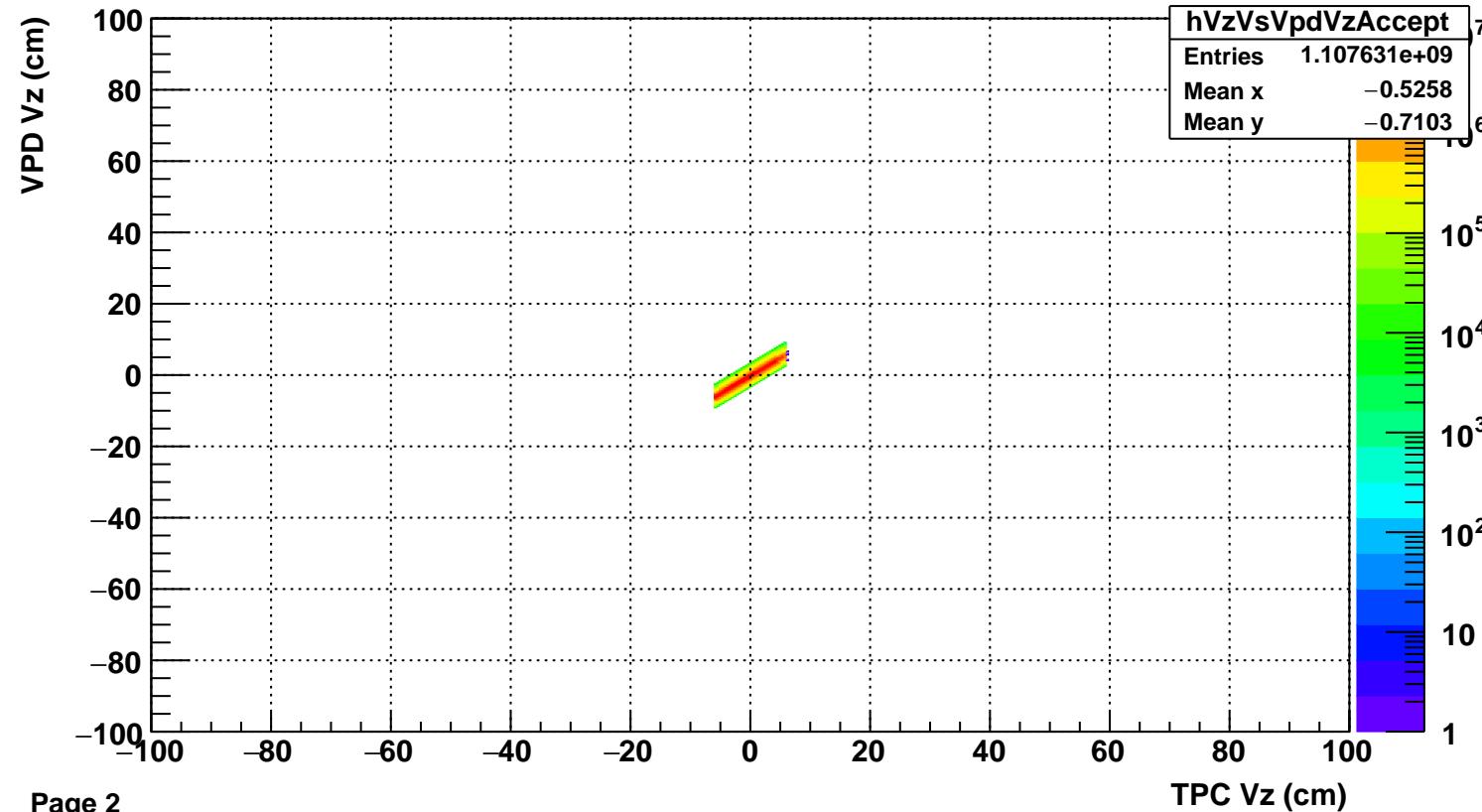
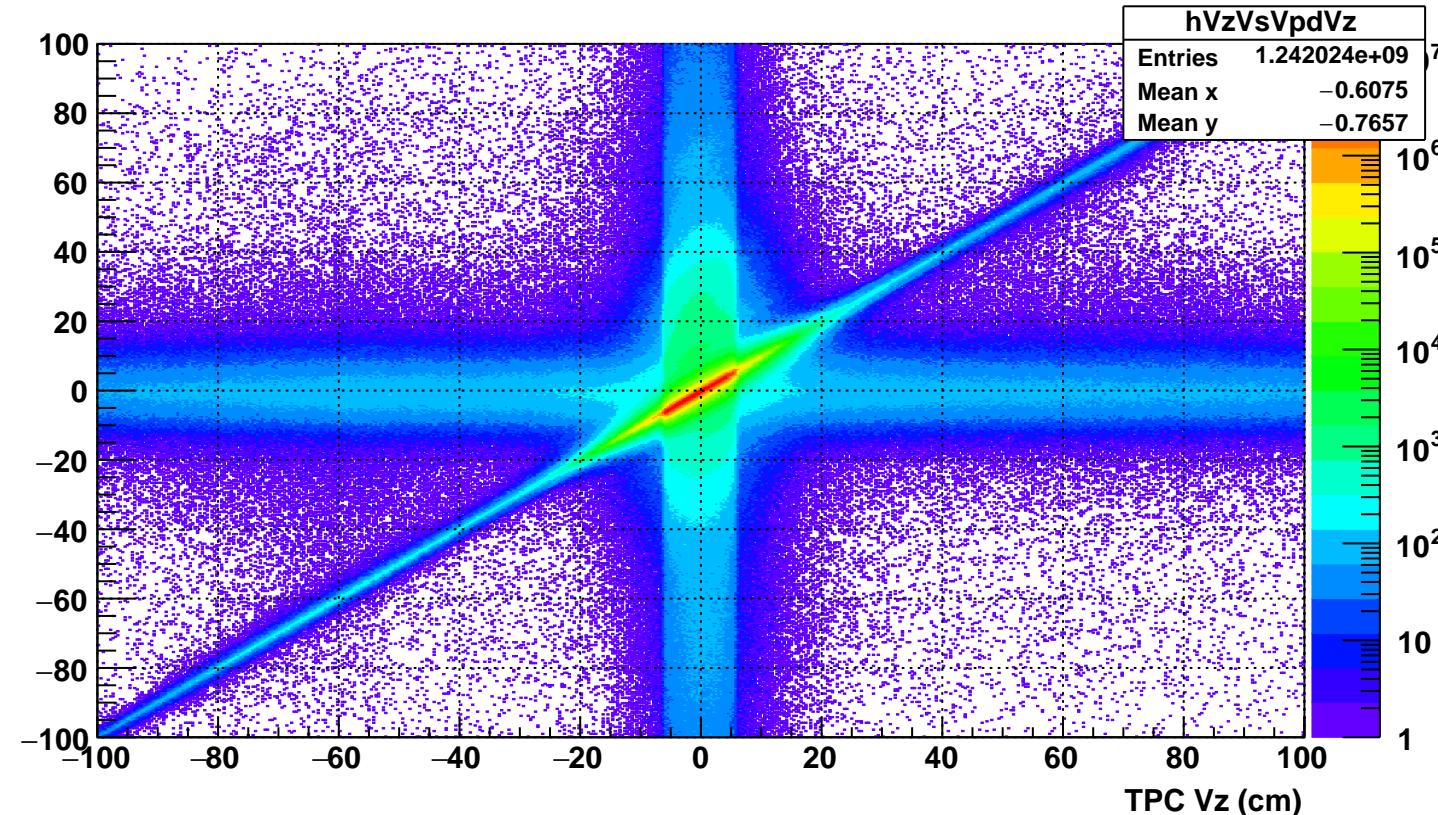
$|V_z| < 6 \text{ cm}$, $|\Delta V_z| < 3\text{cm}$, $\text{refMult} > 0$

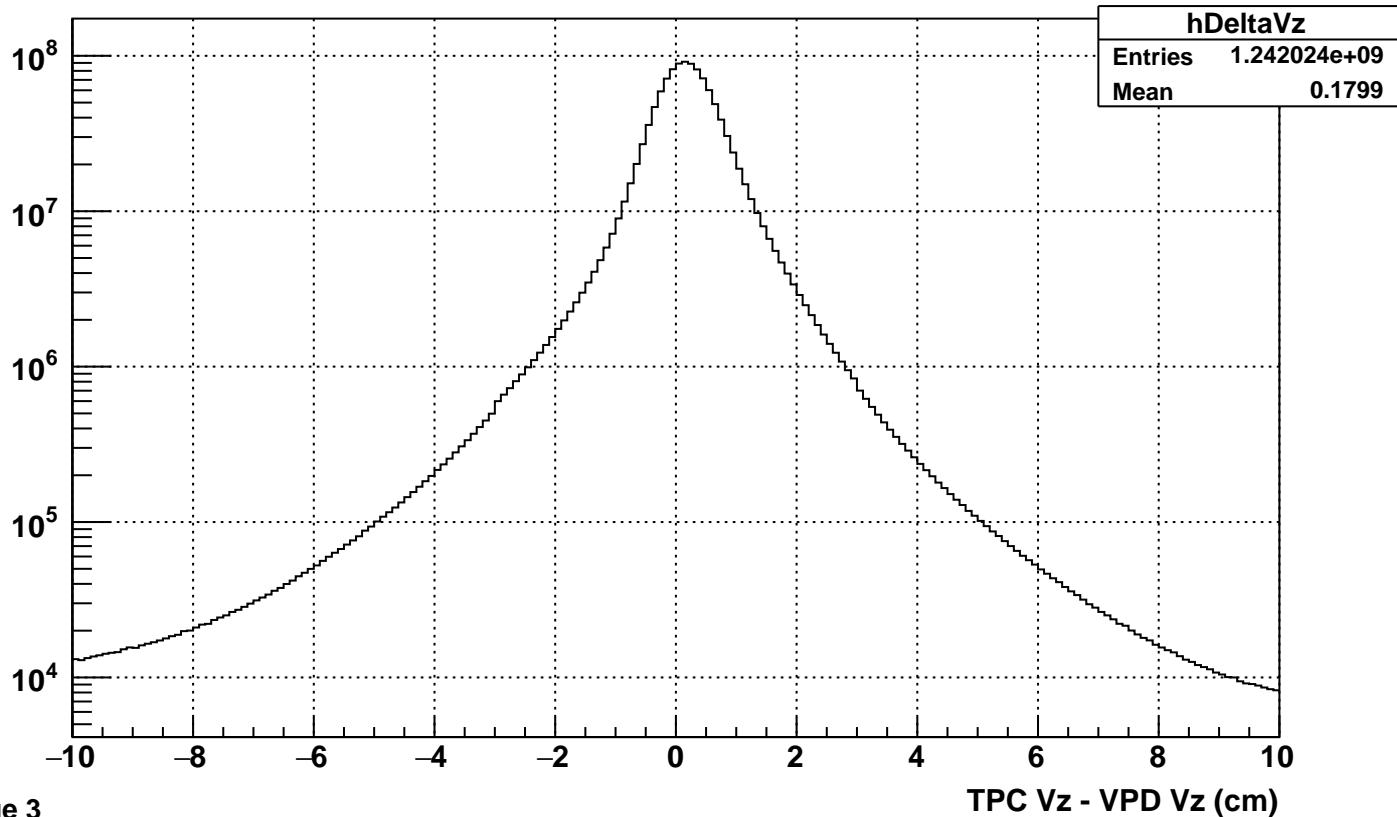
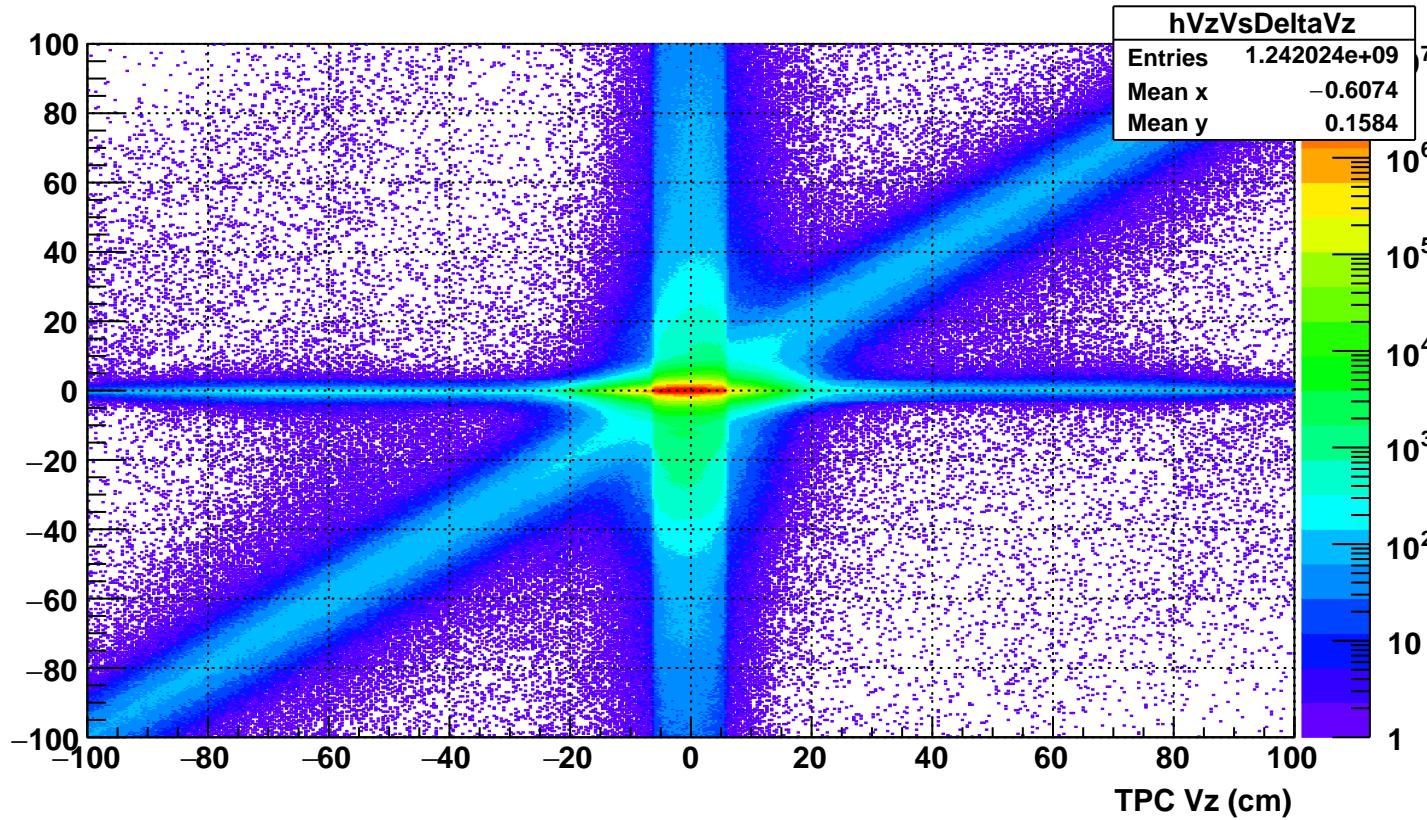
VPDMB-5-p Trigger

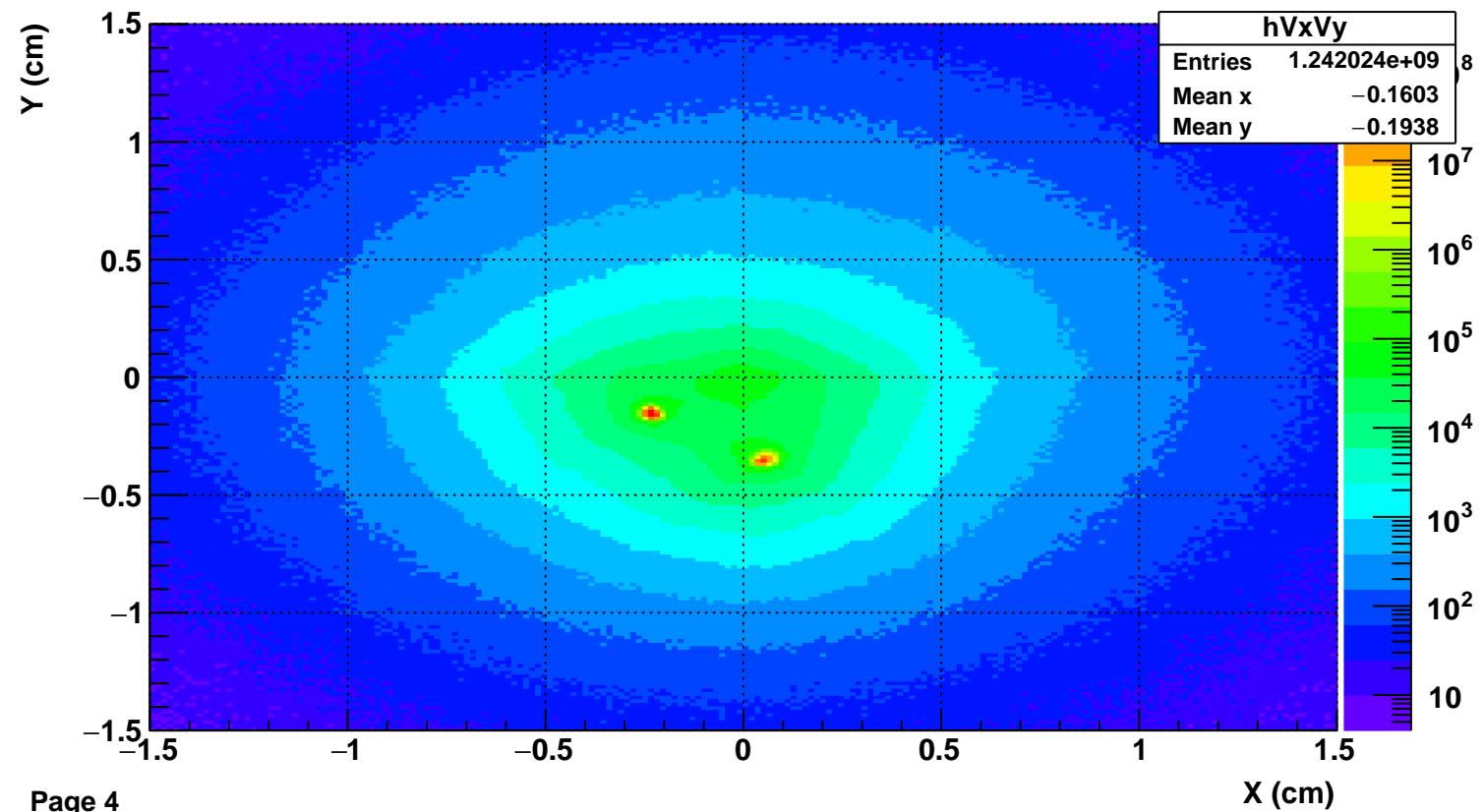
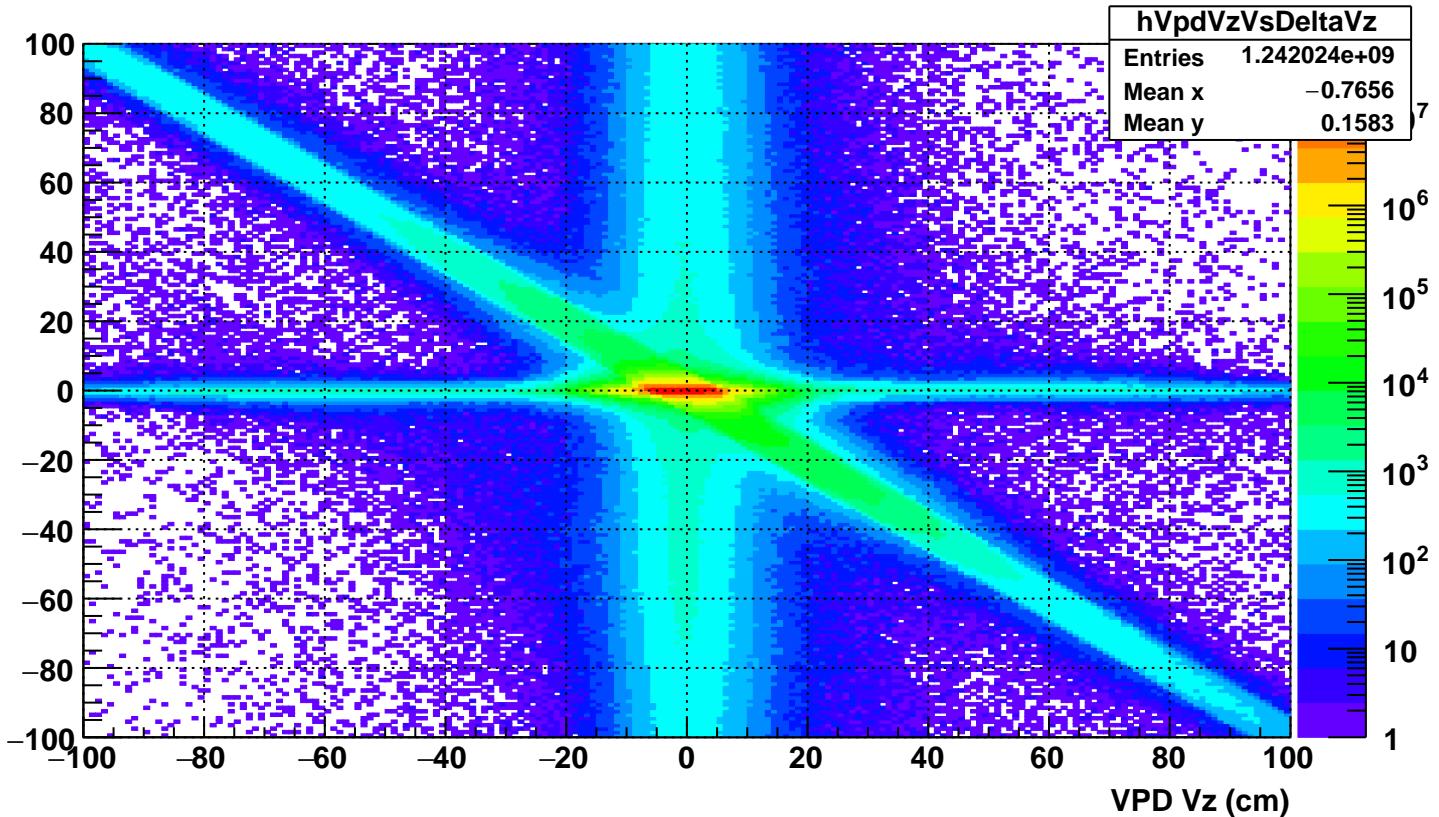
Track Cuts:

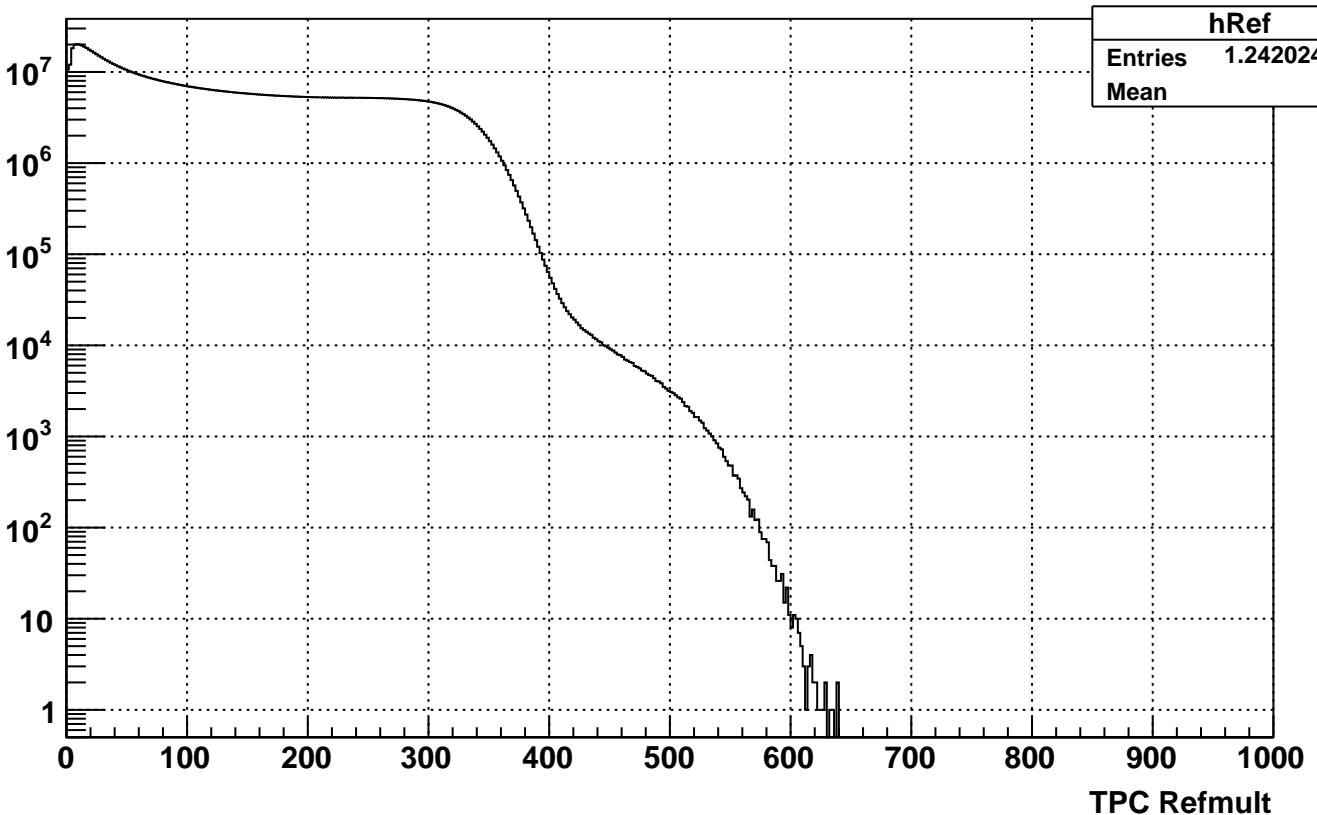
$\text{Dca} < 3.0 \text{ cm}$, Match Tof

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

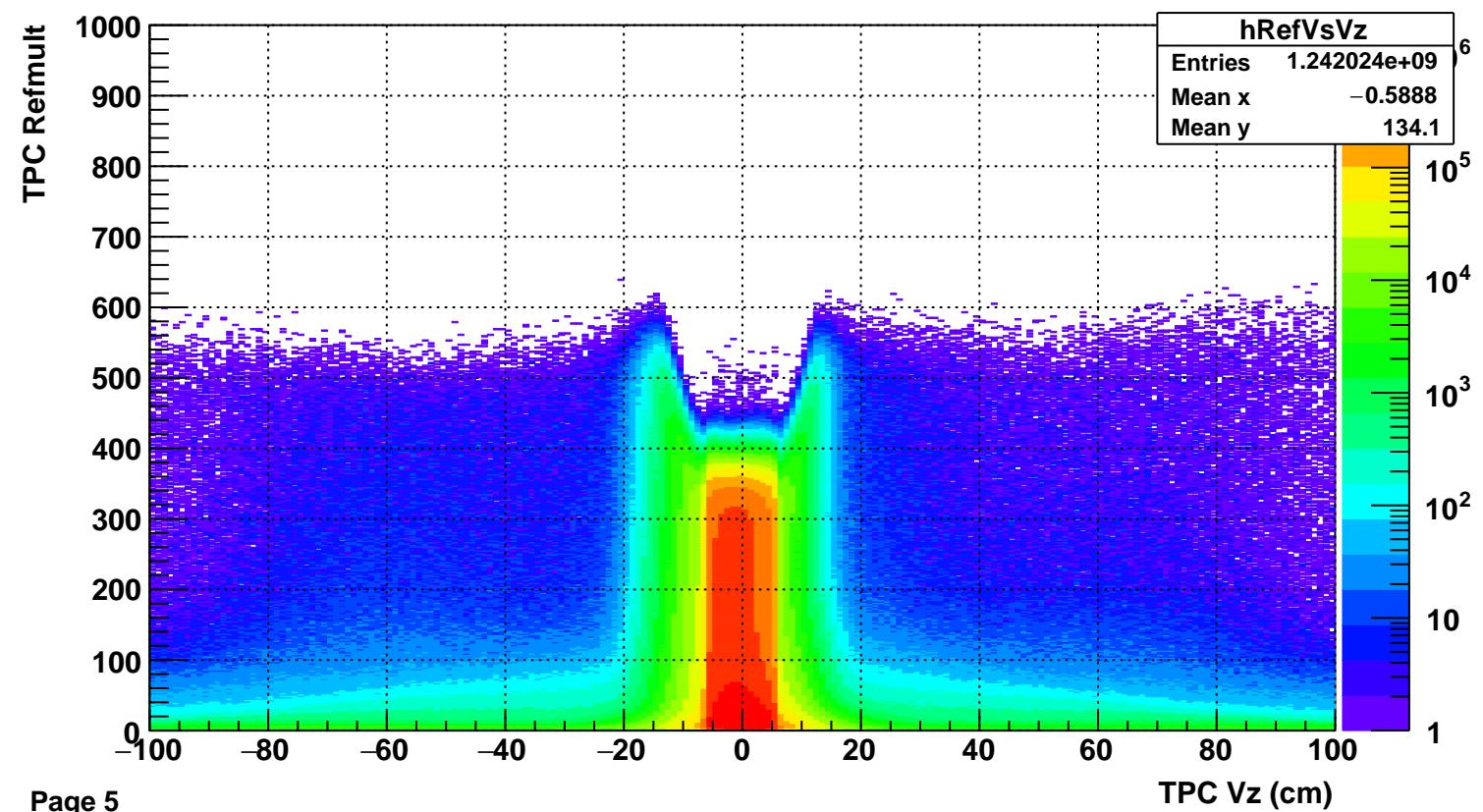


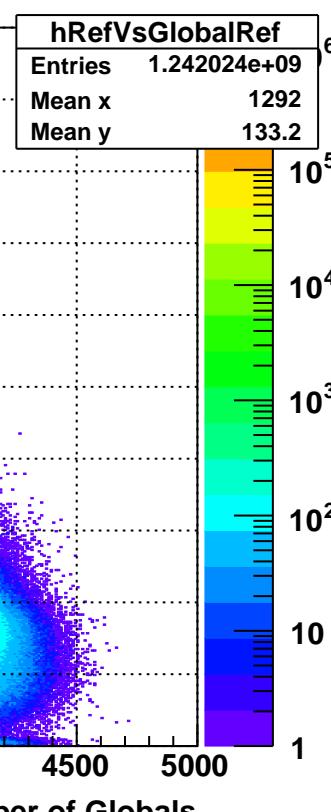
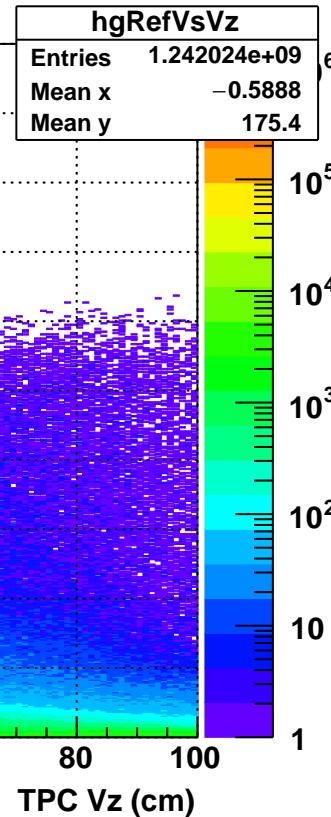




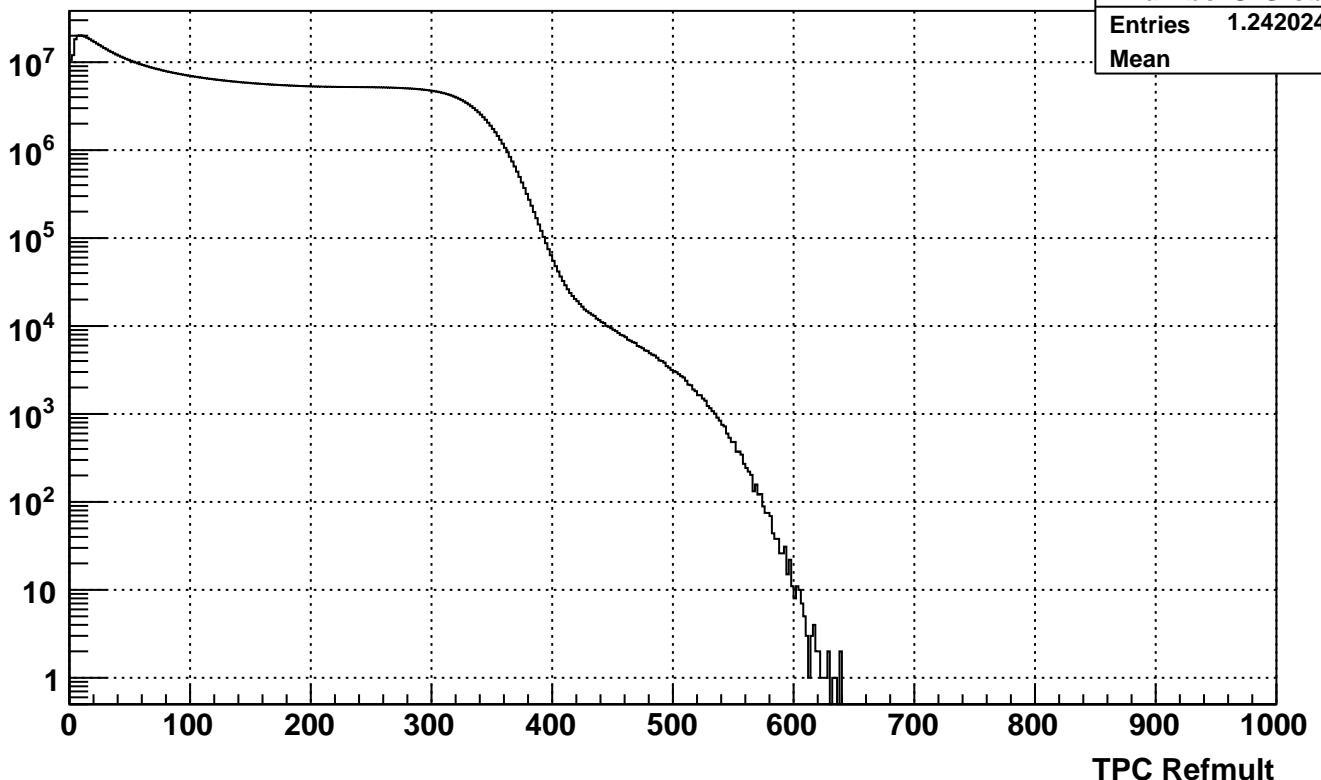


TPC Refmult



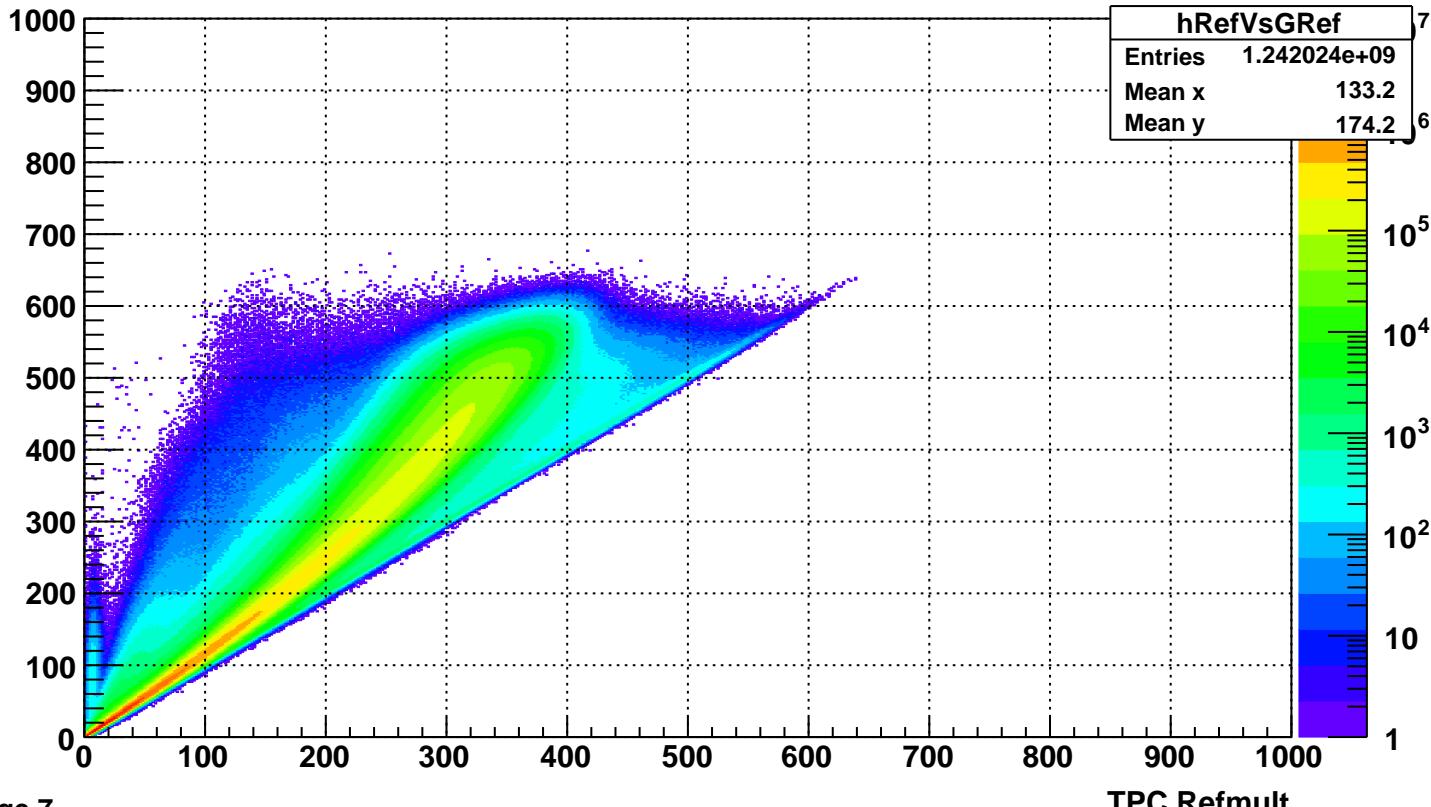


NumberOfGlobals
Entries 1.242024e+09
Mean 133.2



TPC Refmult

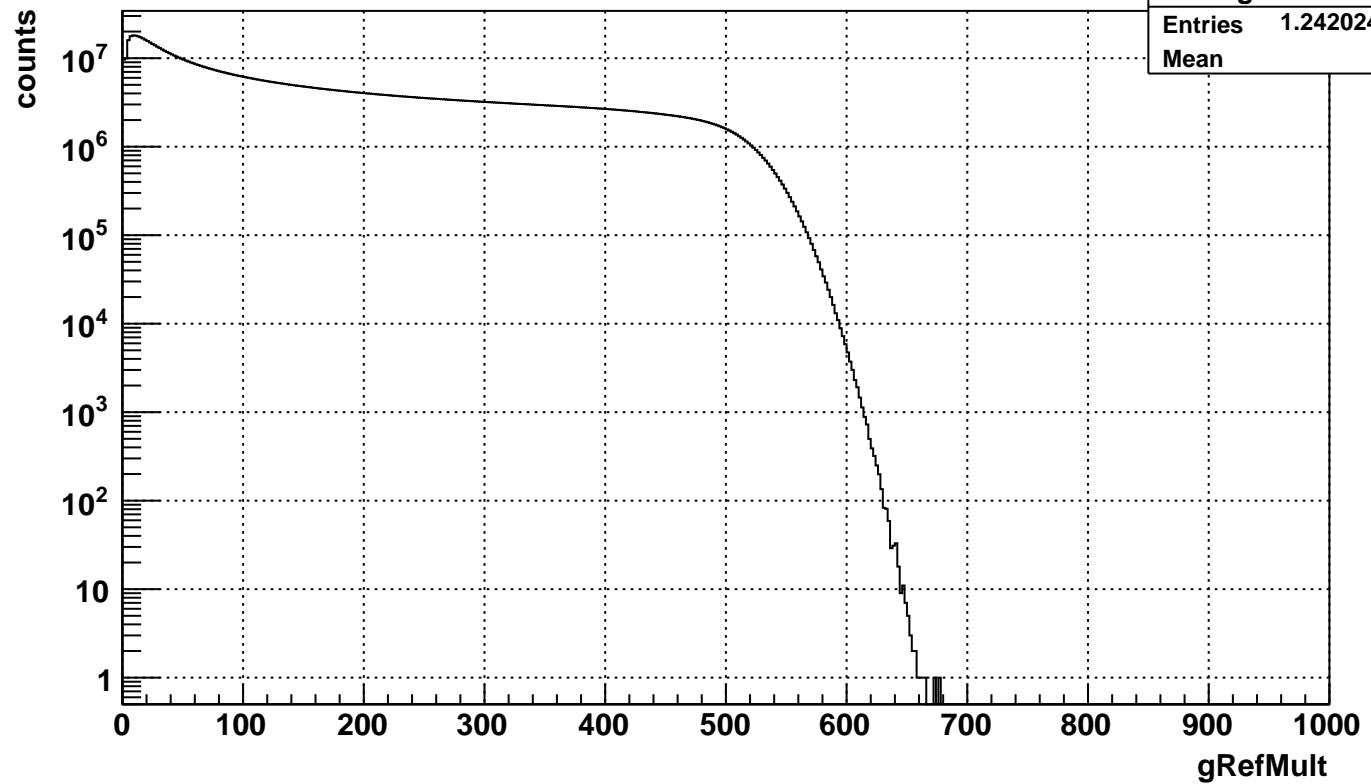
hRefVsGRef
Entries 1.242024e+09
Mean x 133.2
Mean y 174.2



TPC Refmult

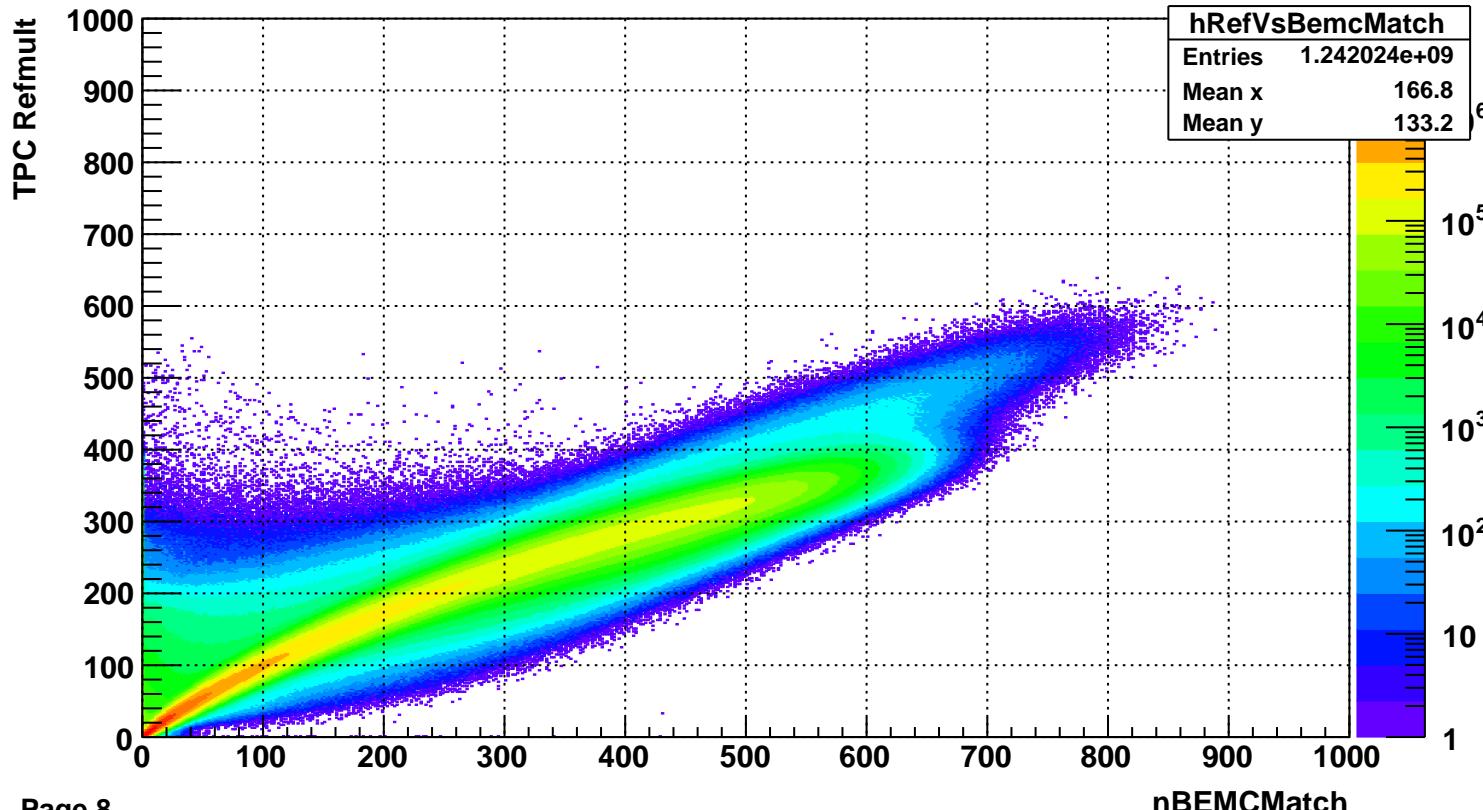
gRefMult

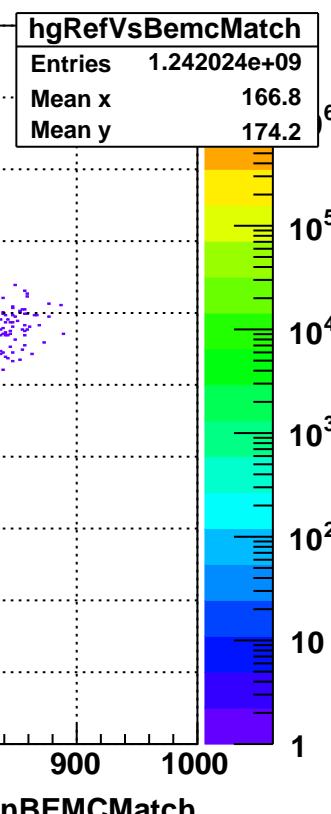
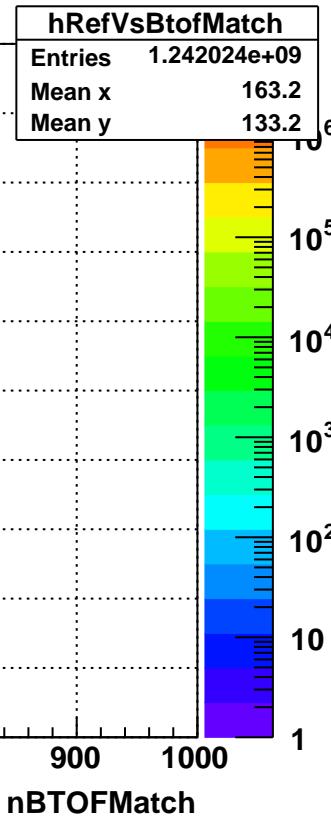
Entries	1.242024e+09
Mean	174.2

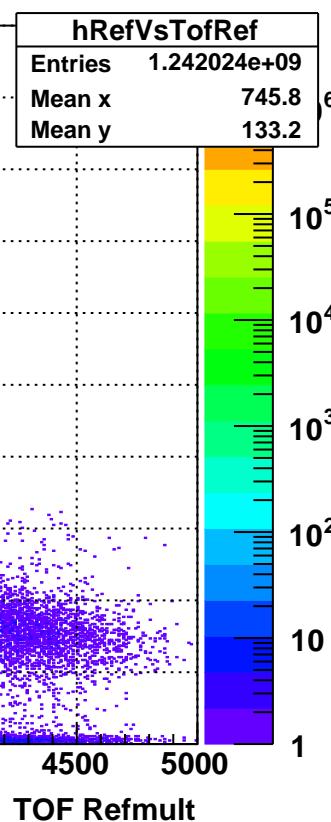
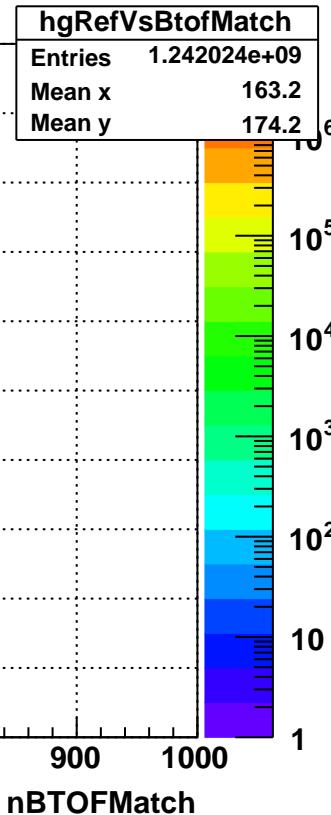


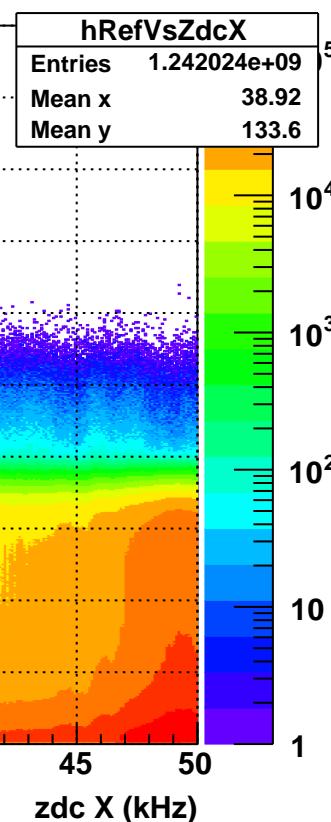
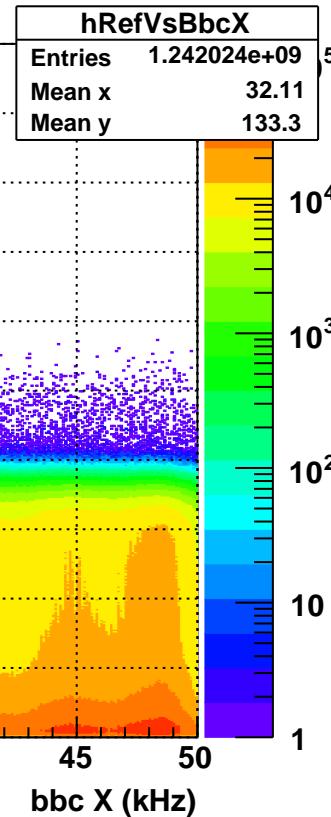
hRefVsBemcMatch

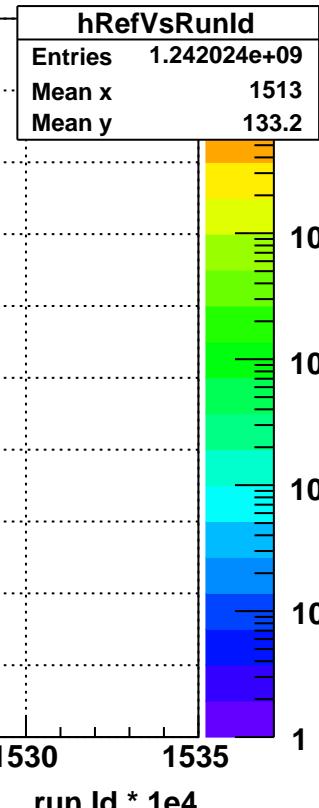
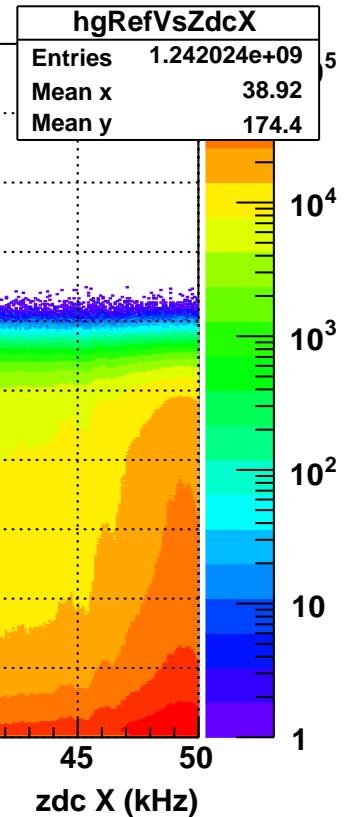
Entries	1.242024e+09
Mean x	166.8
Mean y	133.2

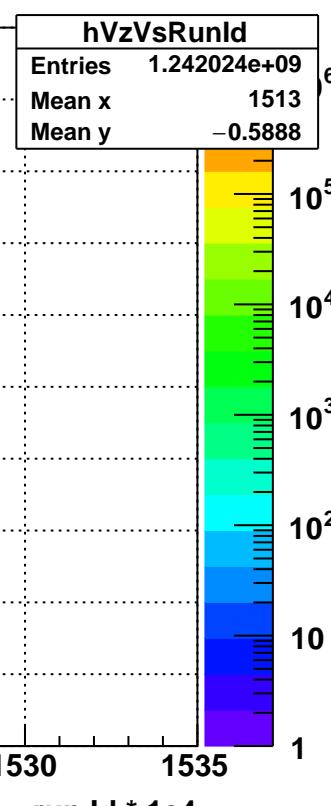
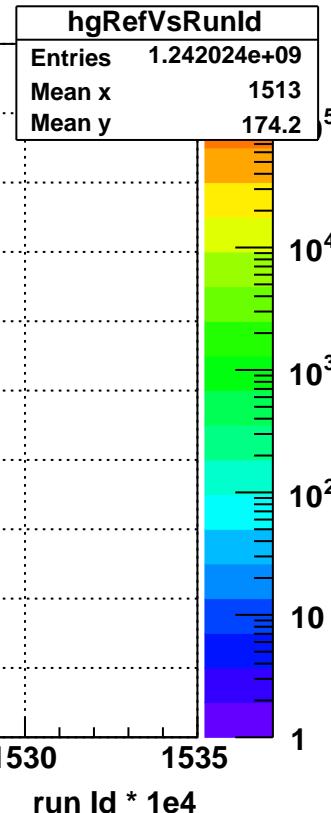


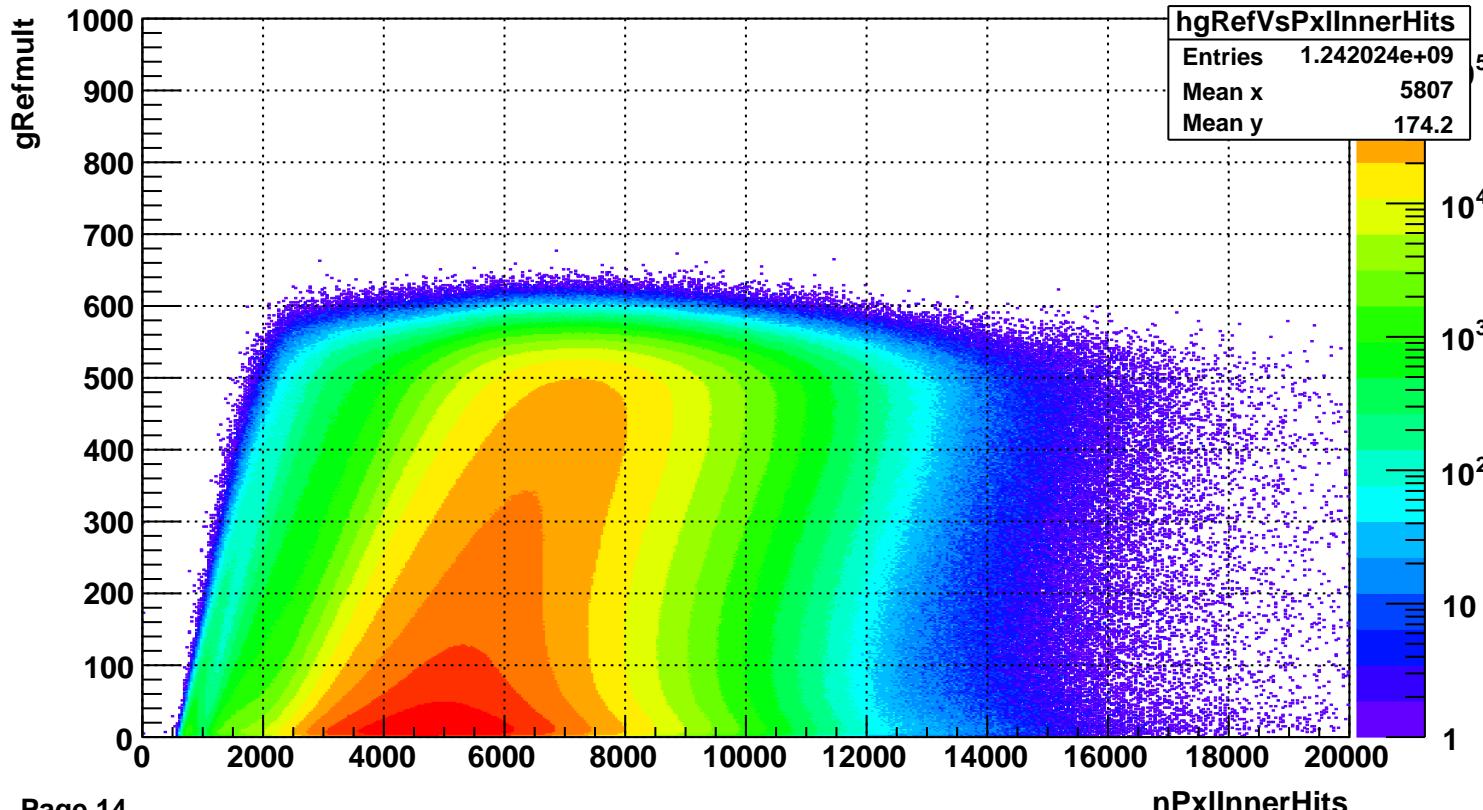
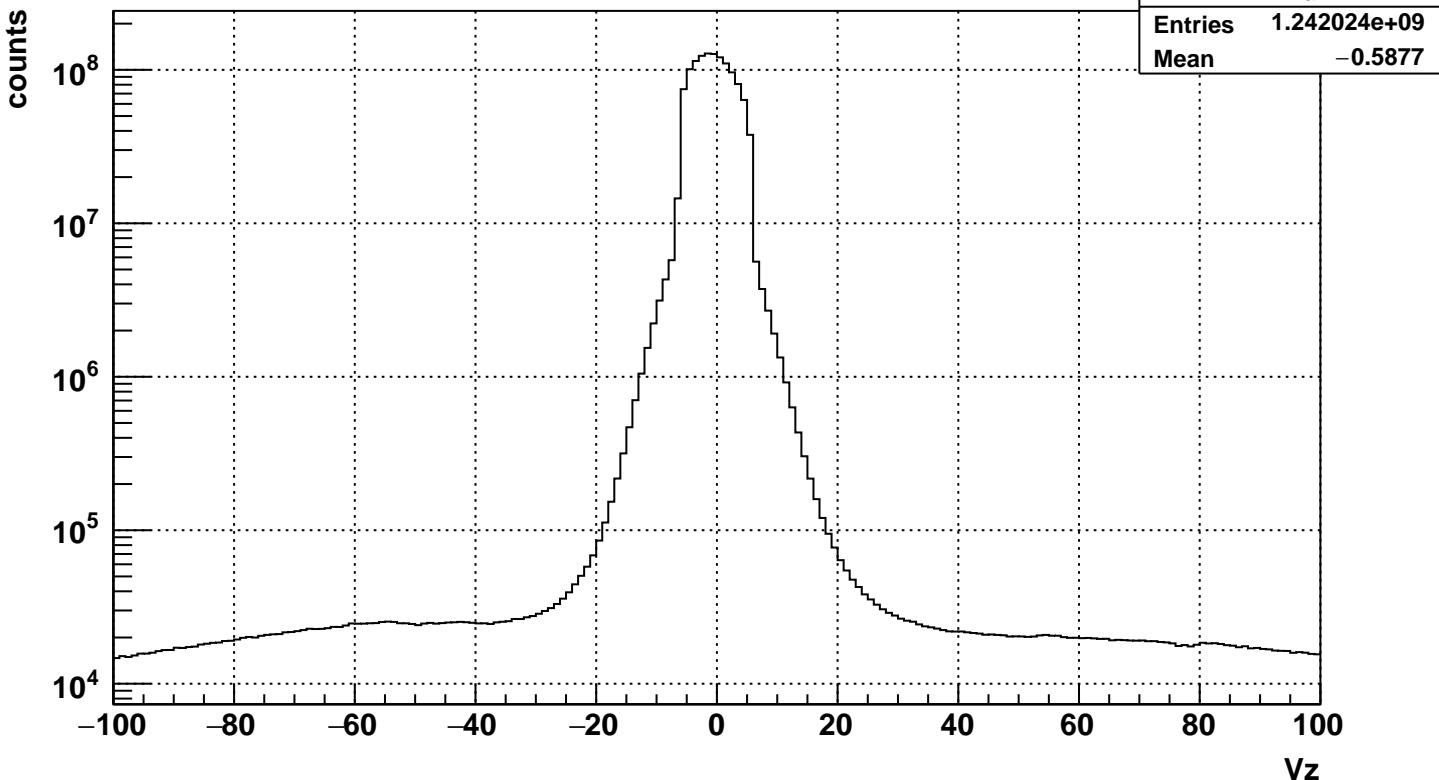










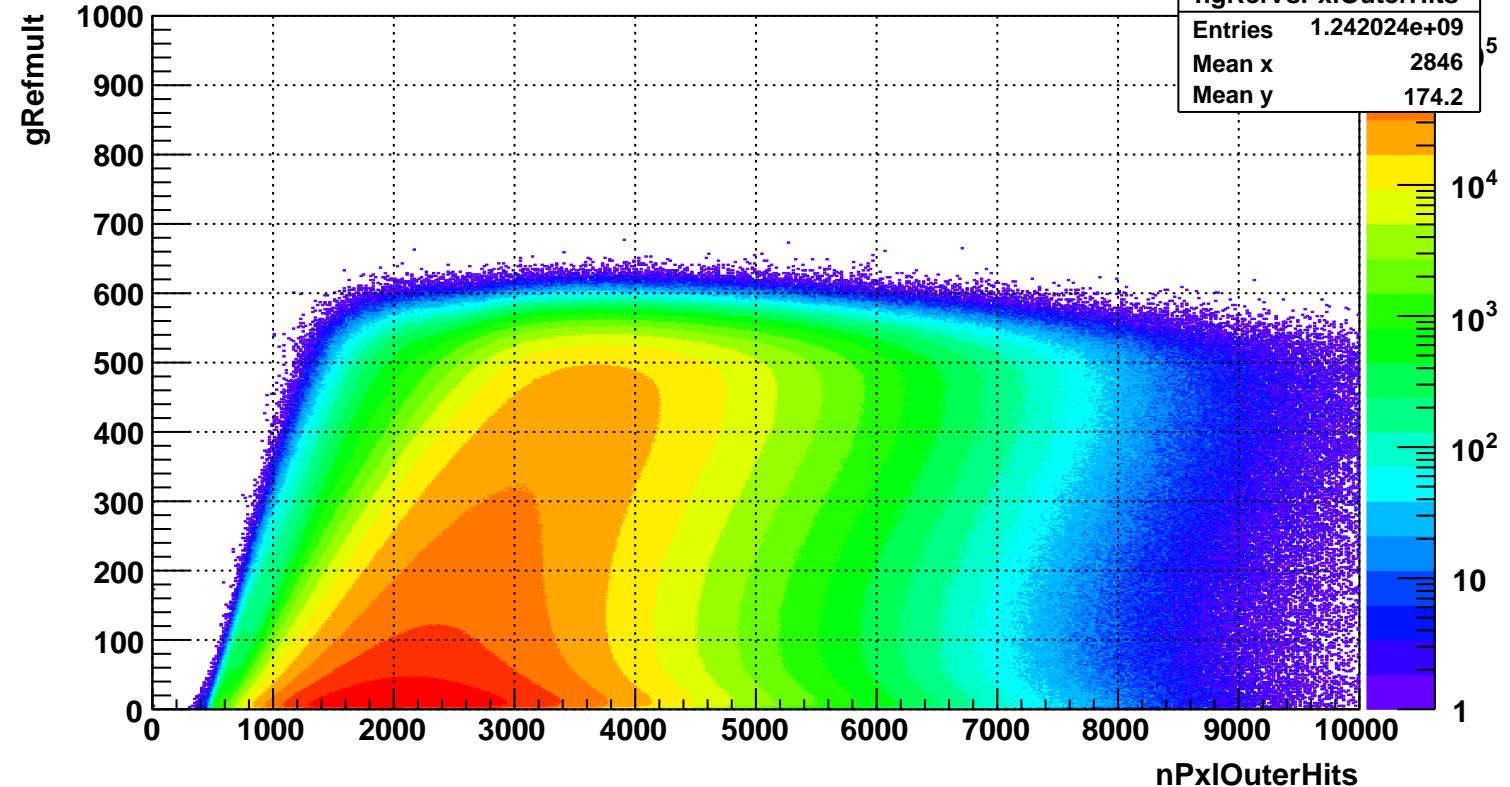


hgRefVsPxIOuterHits

Entries 1.242024e+09

Mean x 2846

Mean y 174.2



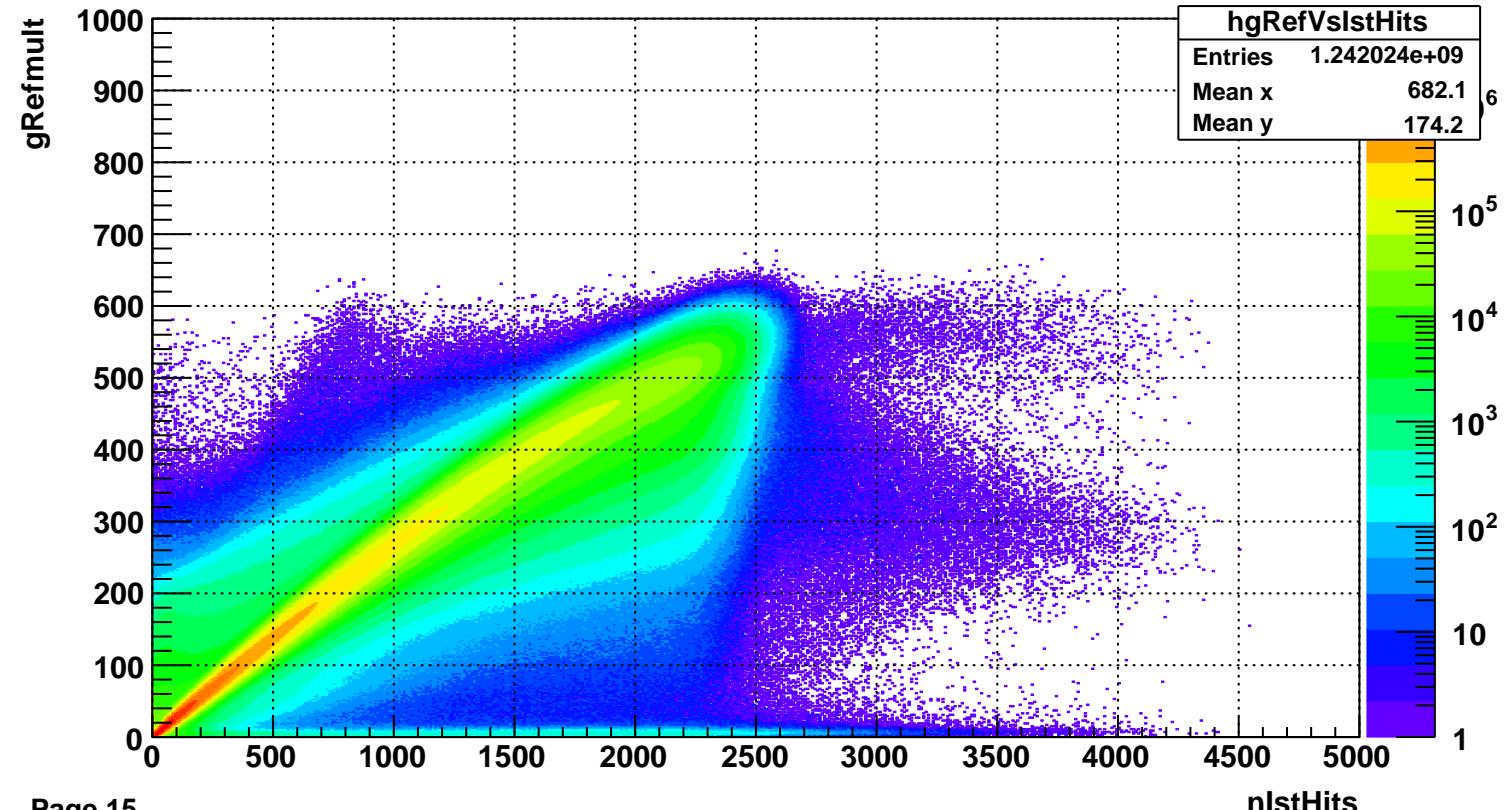
nPxIOuterHits

hgRefVsIstHits

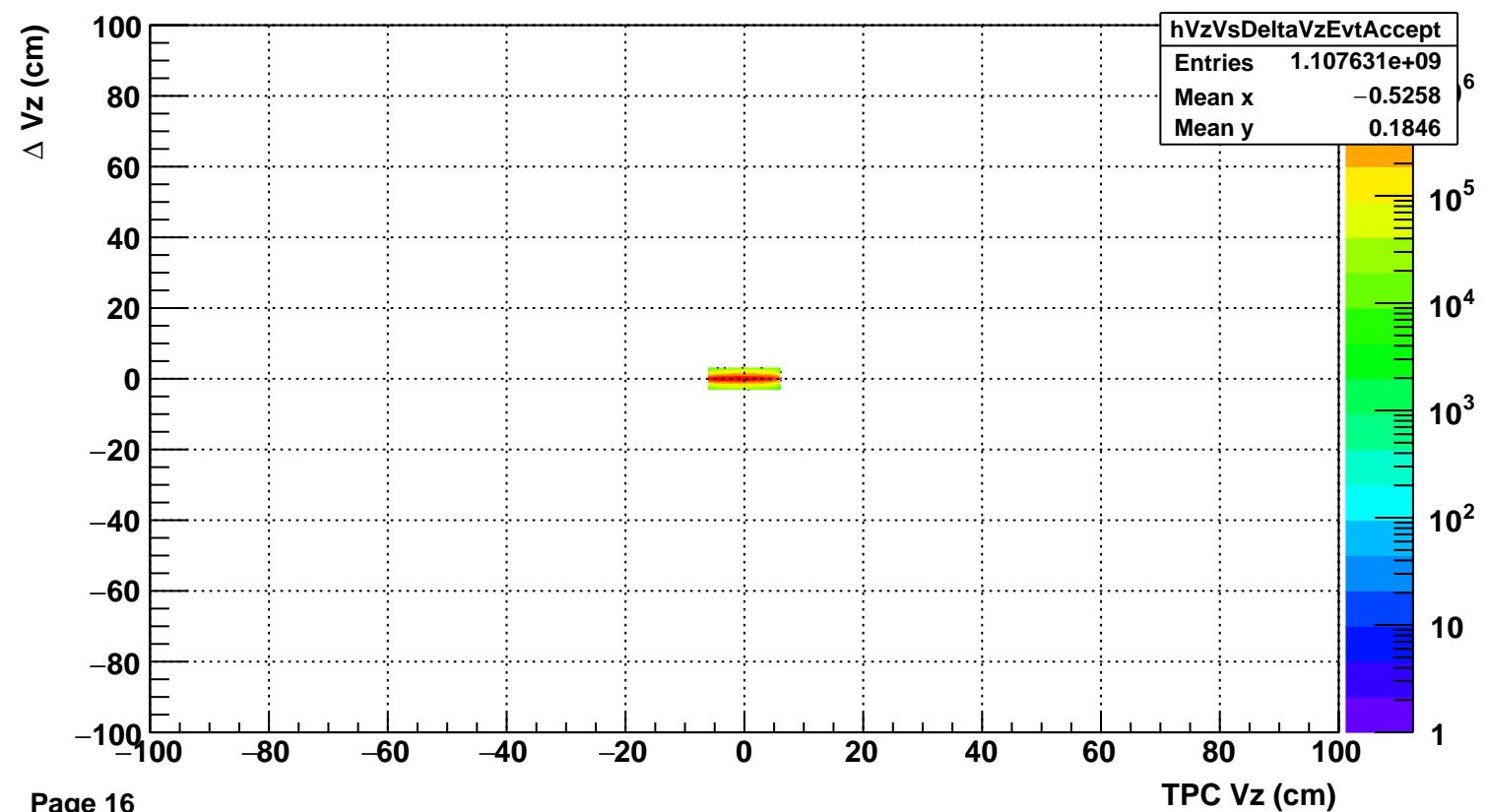
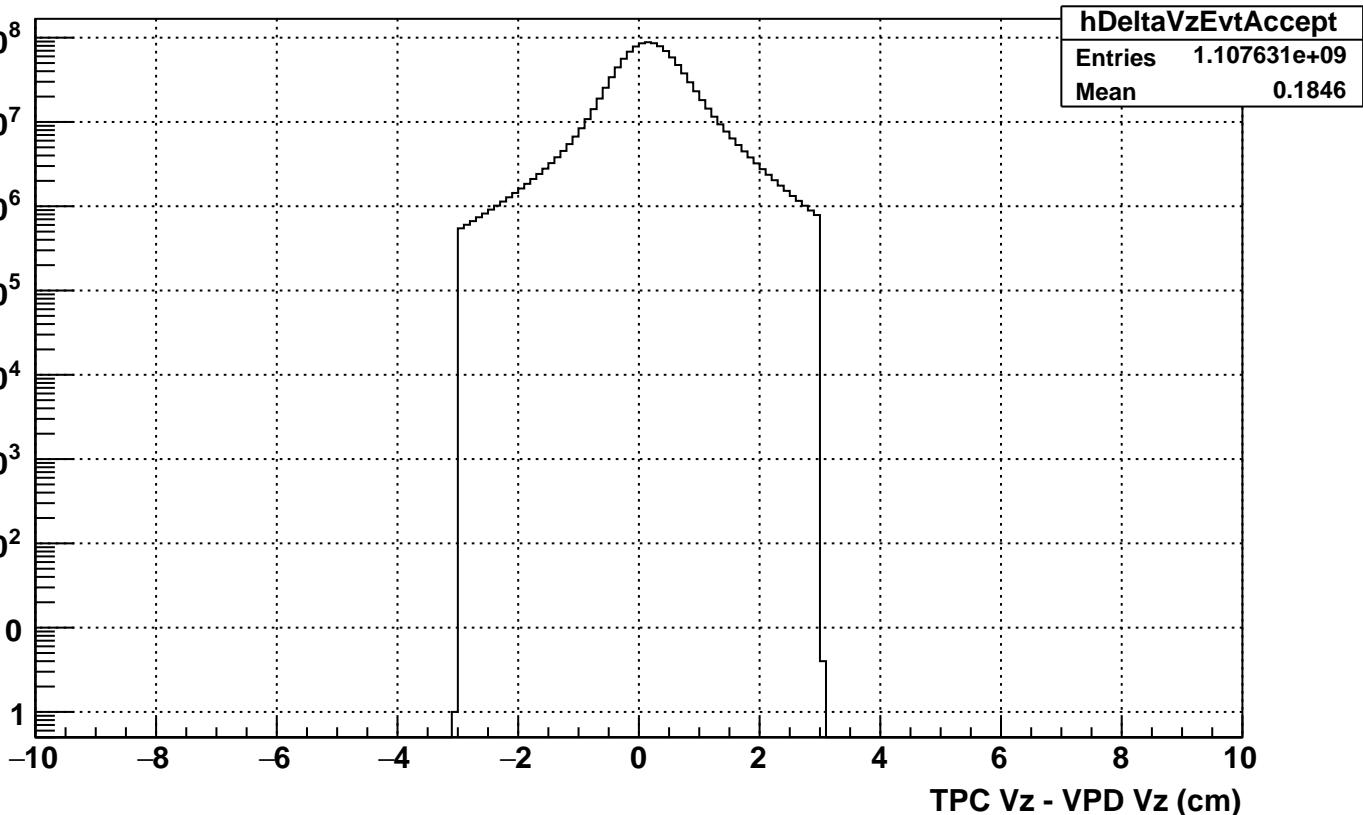
Entries 1.242024e+09

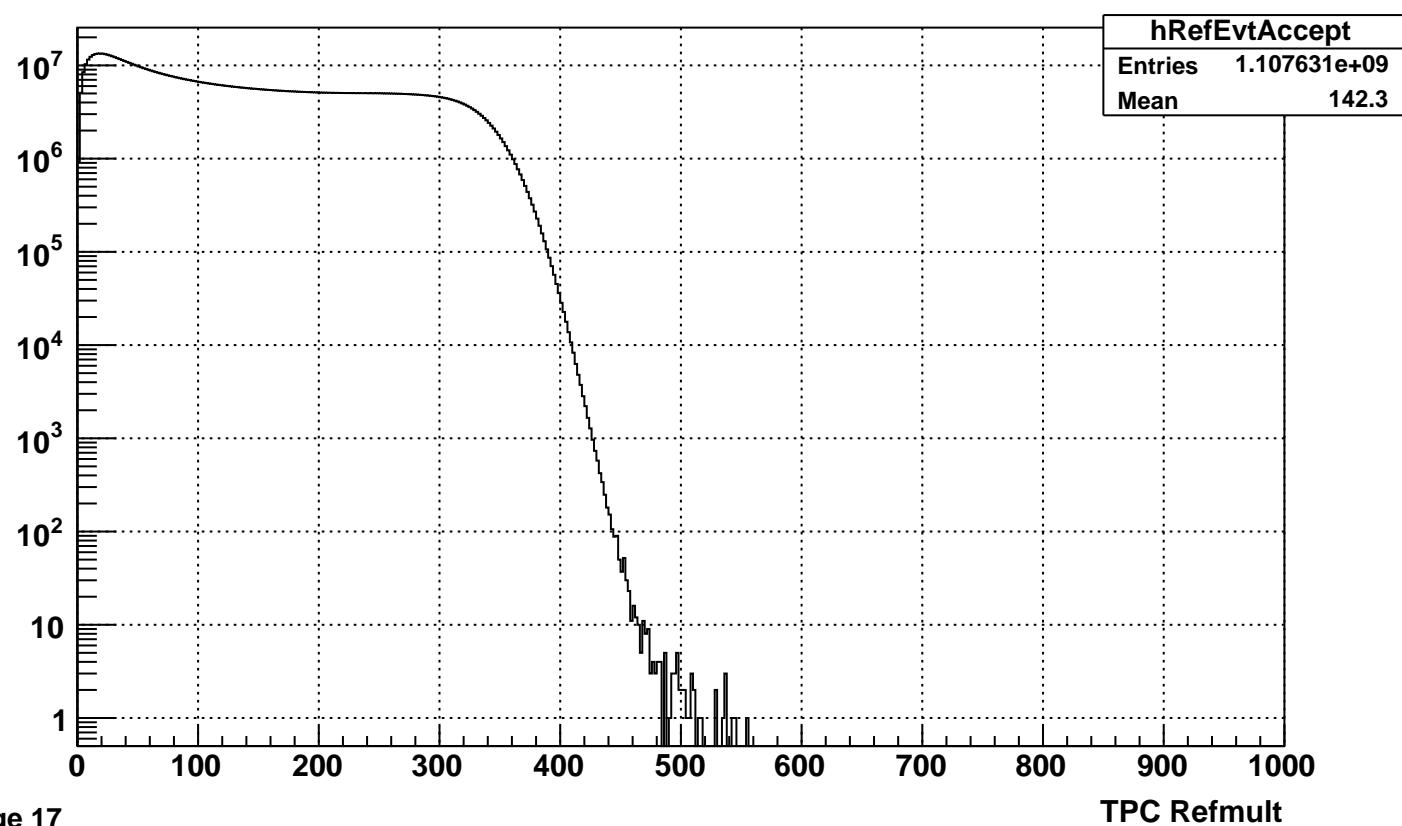
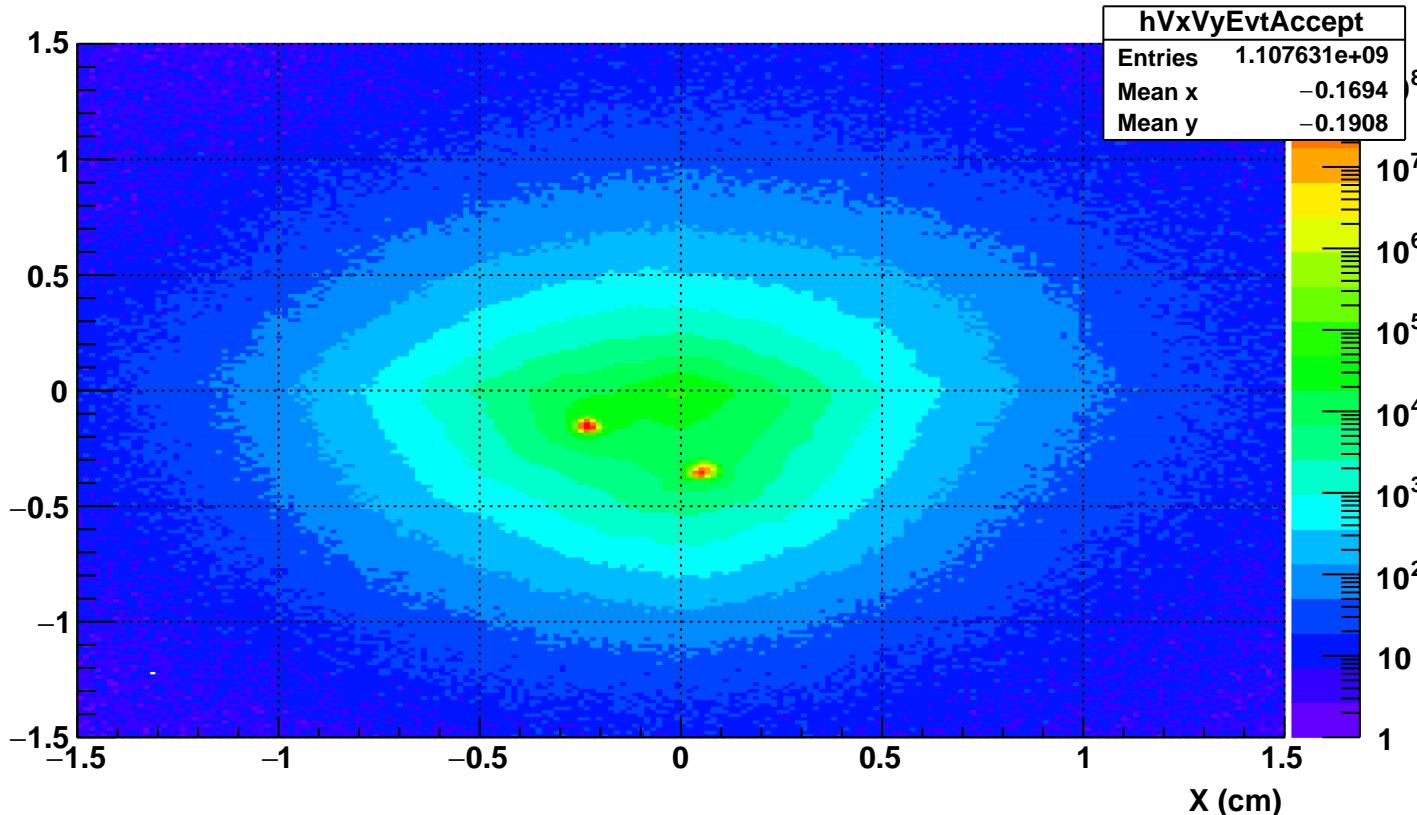
Mean x 682.1

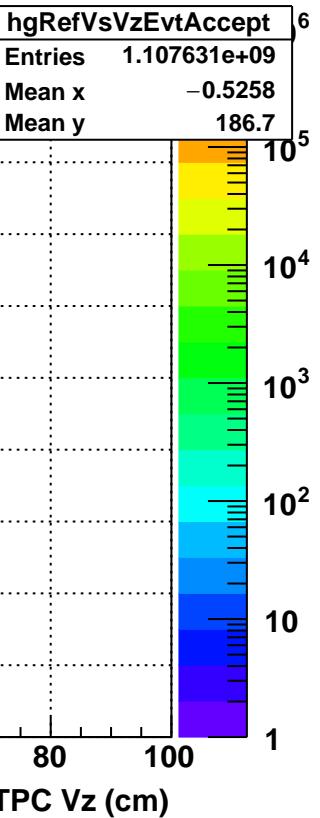
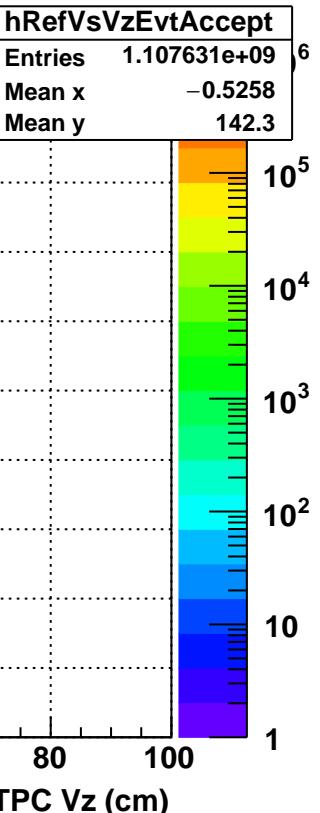
Mean y 174.2



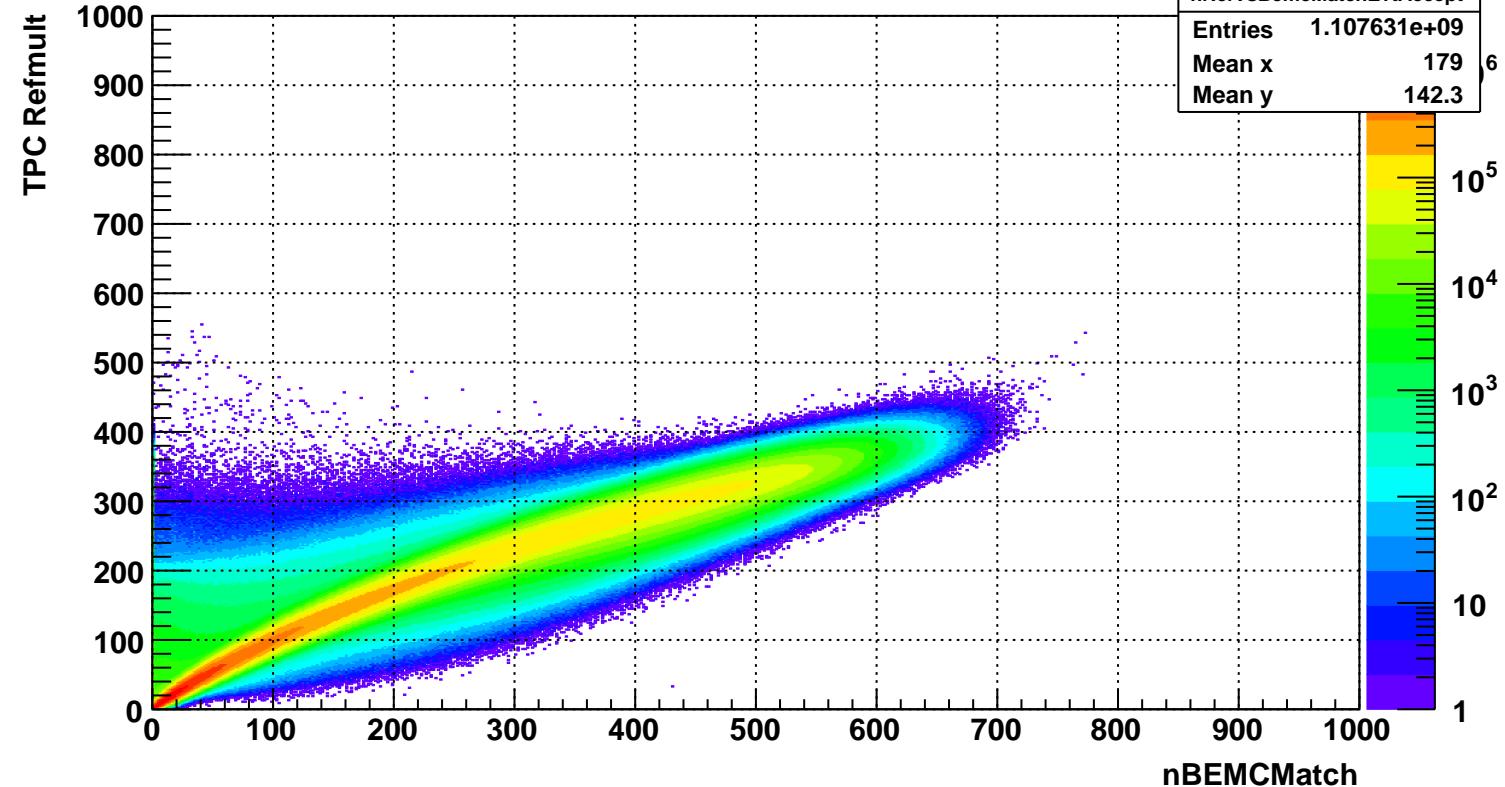
nIstHits



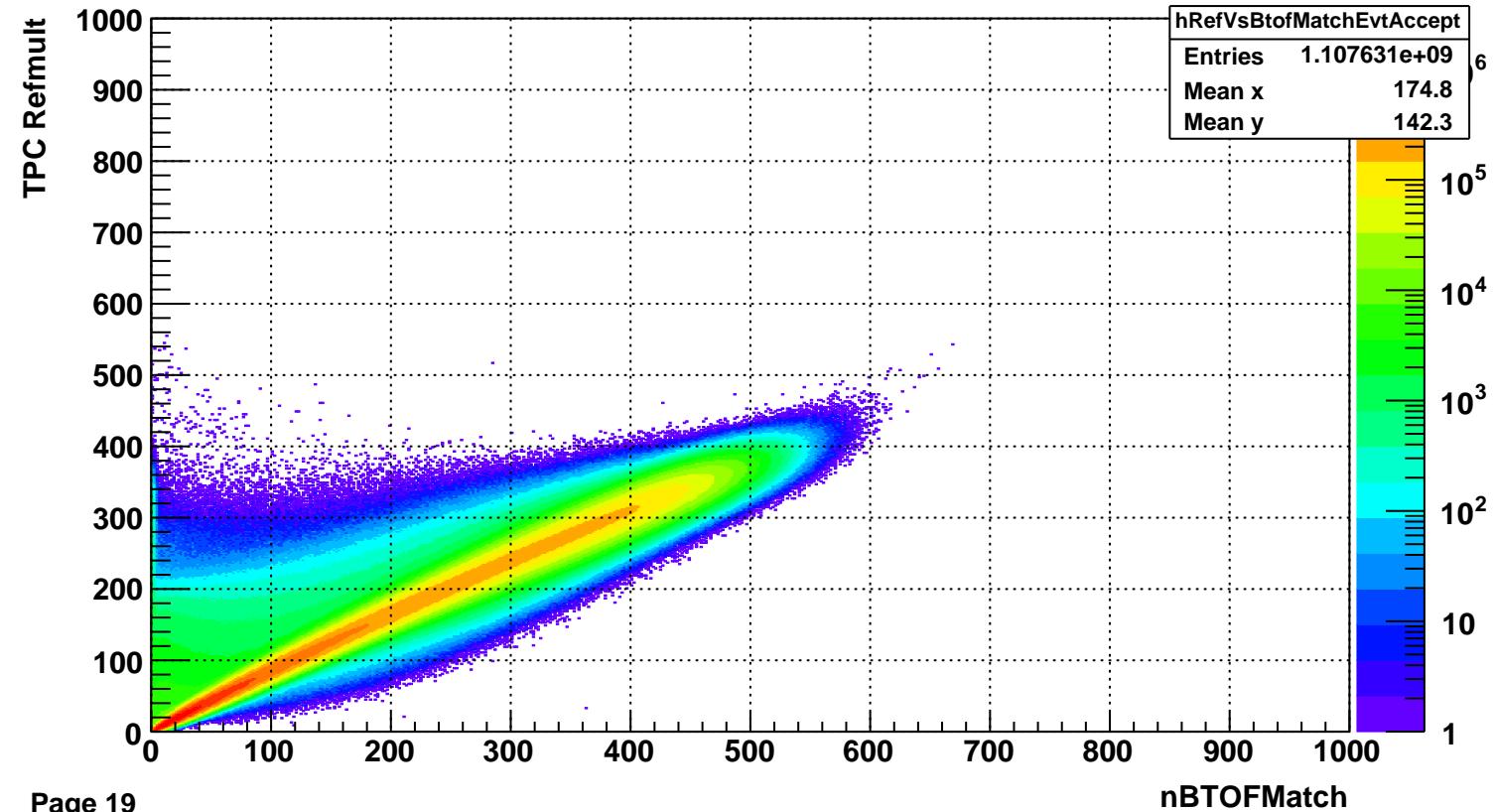


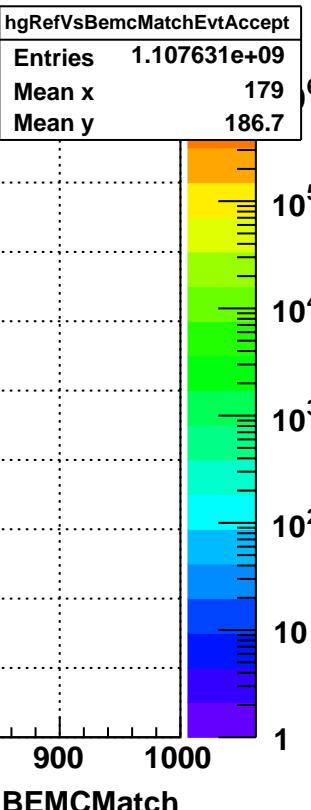


hRefVsBemcMatchEvtAccept
Entries 1.107631e+09
Mean x 179
Mean y 142.3

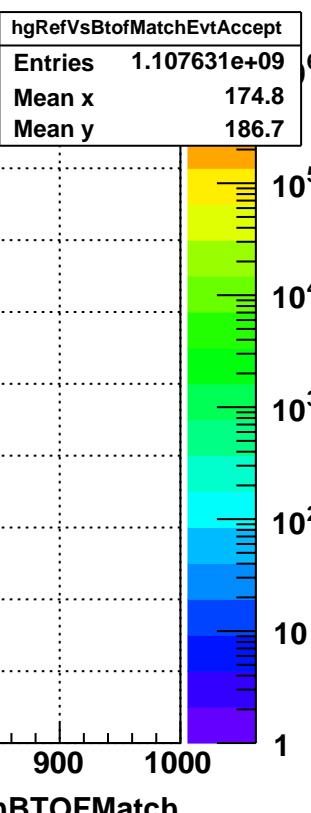


hRefVsBtofMatchEvtAccept
Entries 1.107631e+09
Mean x 174.8
Mean y 142.3

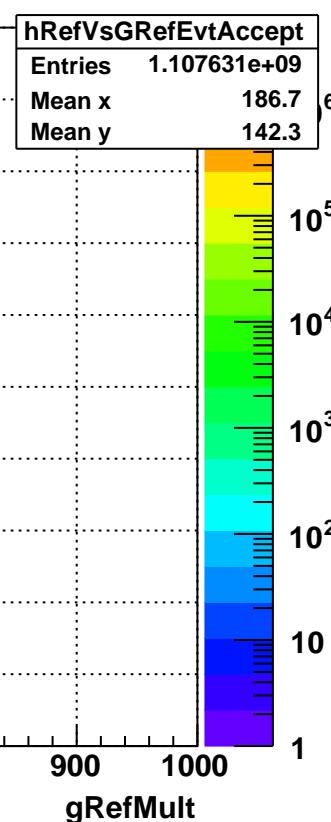
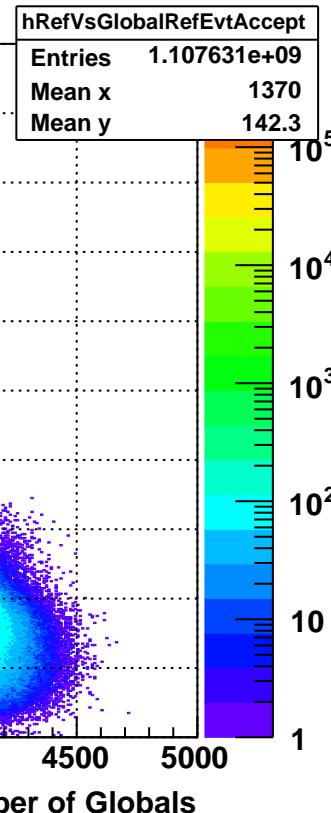


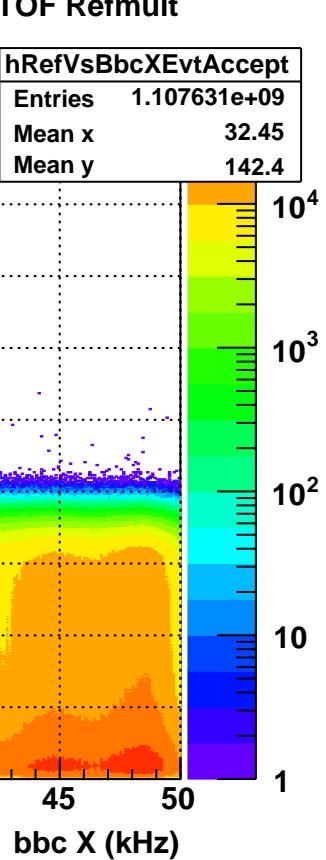
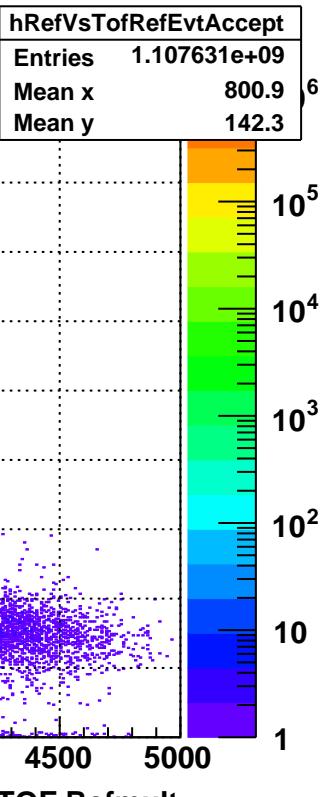


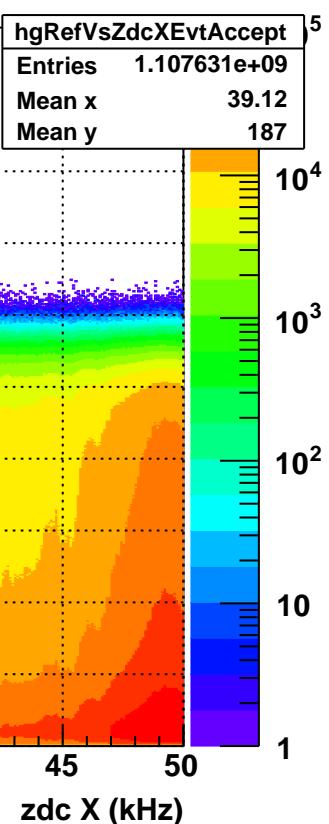
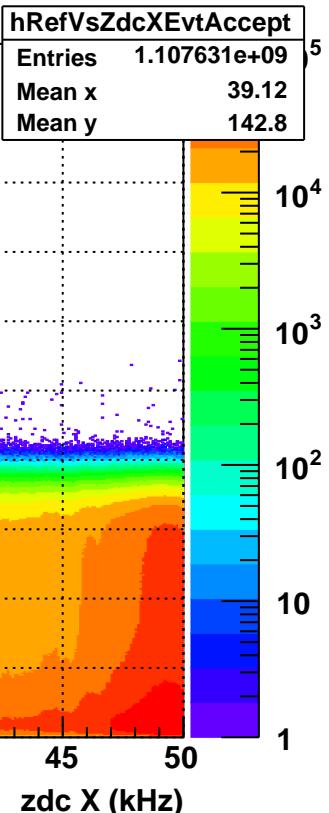
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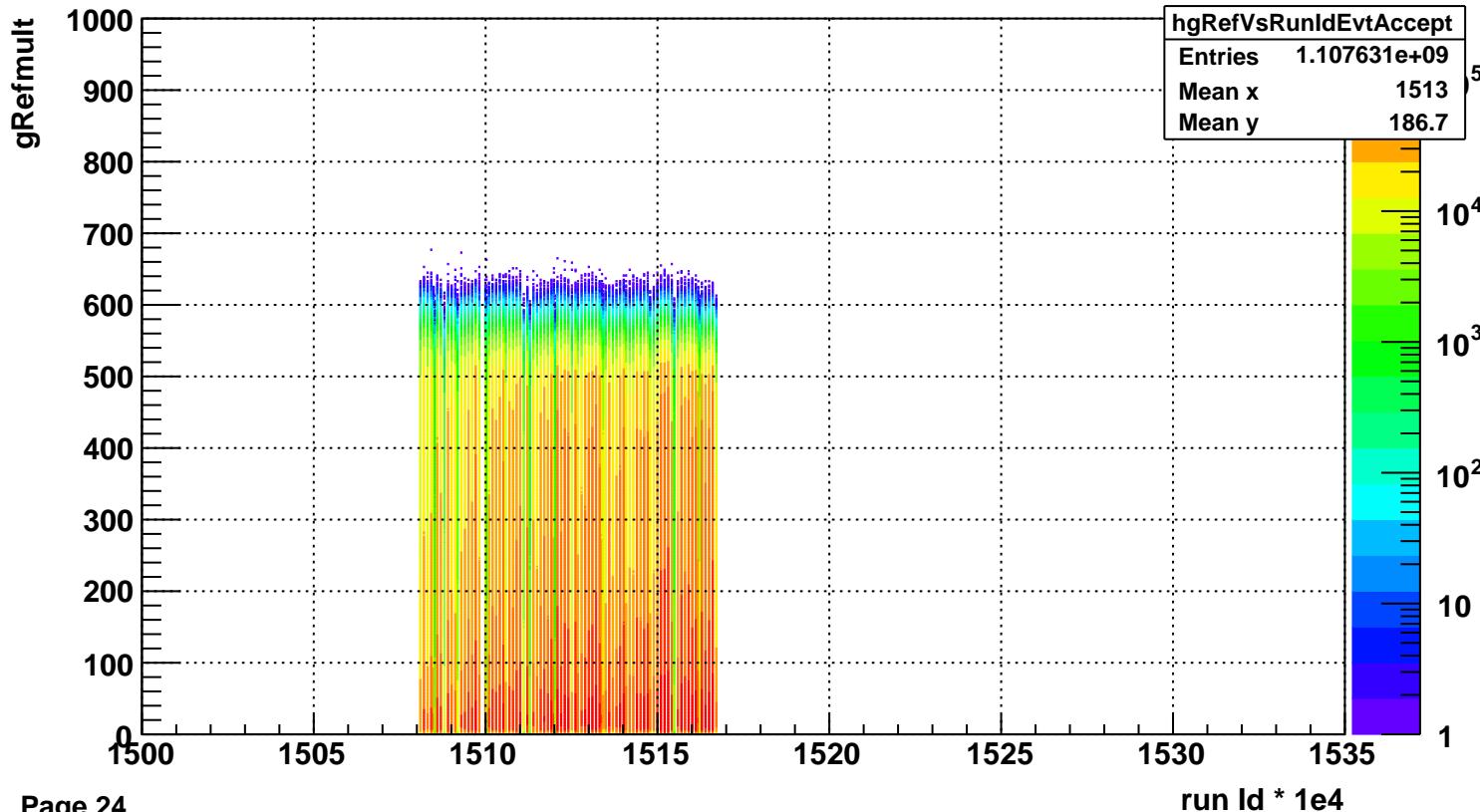
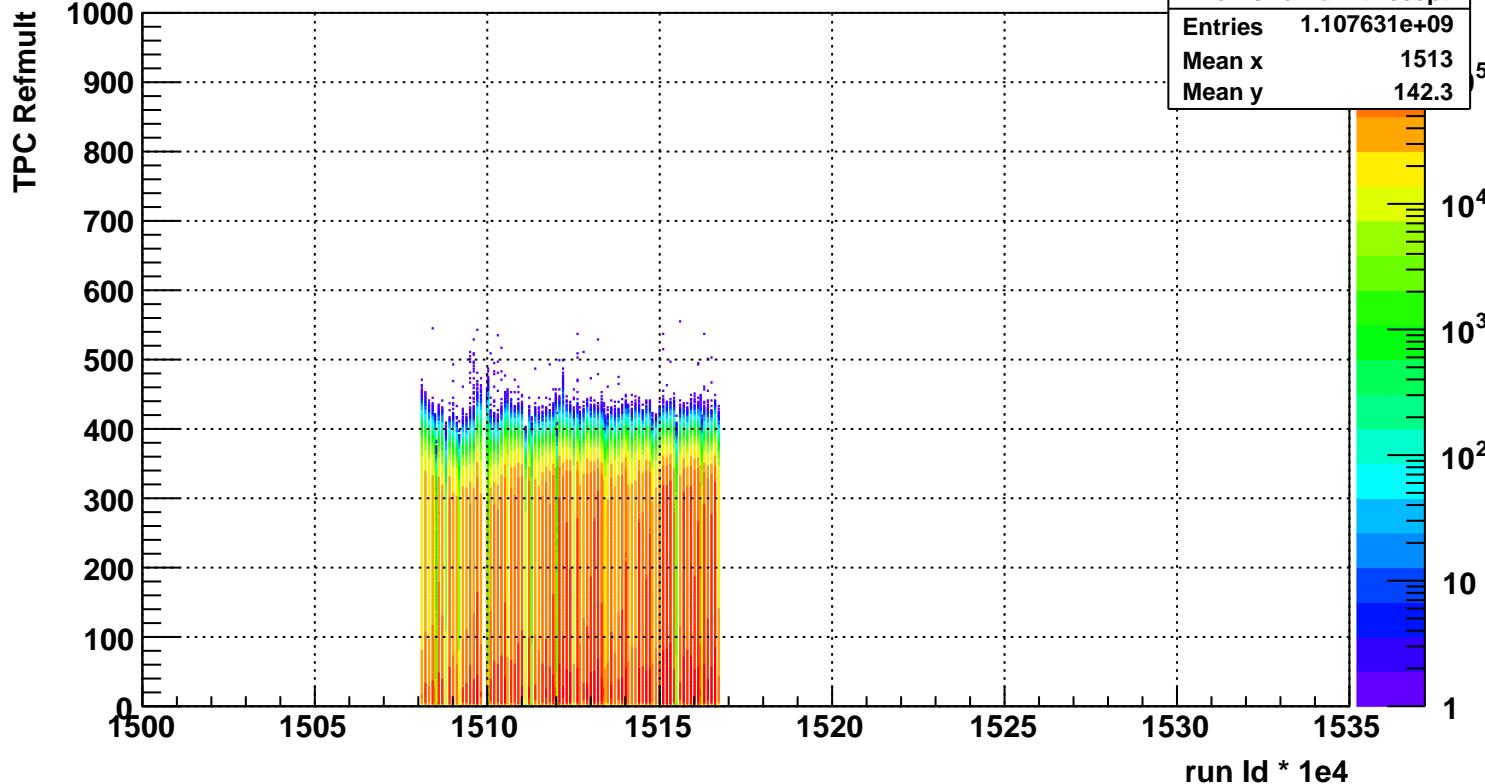


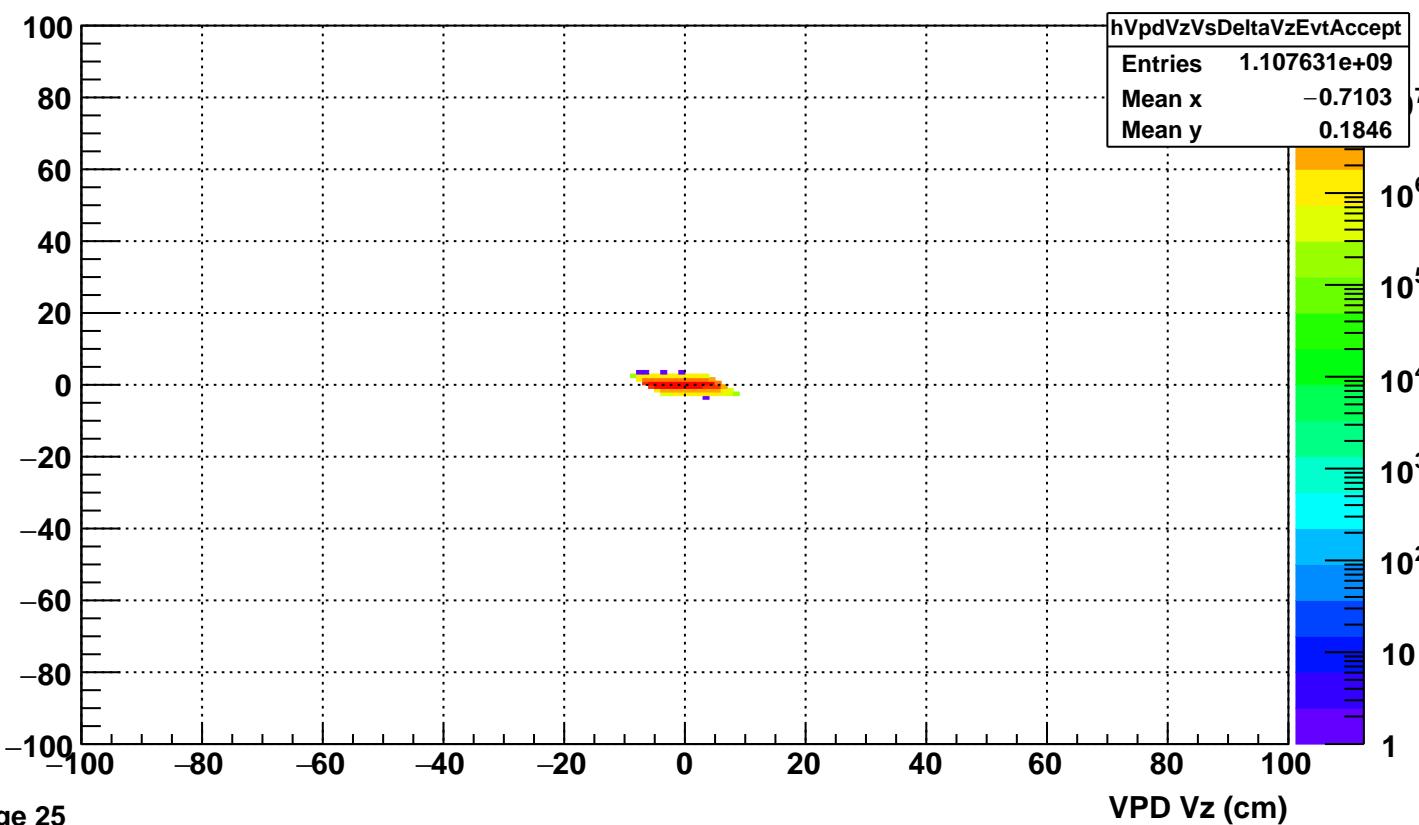
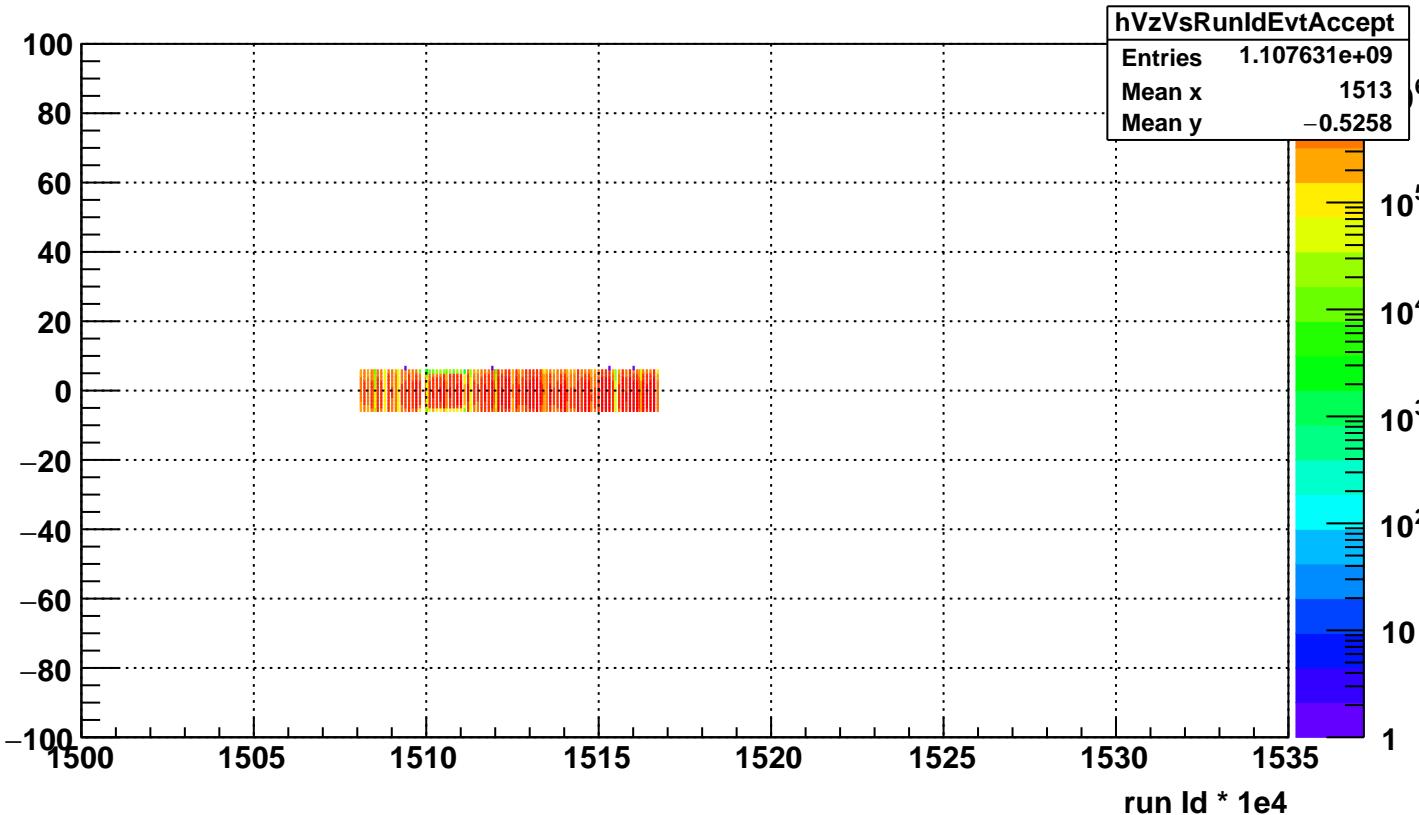
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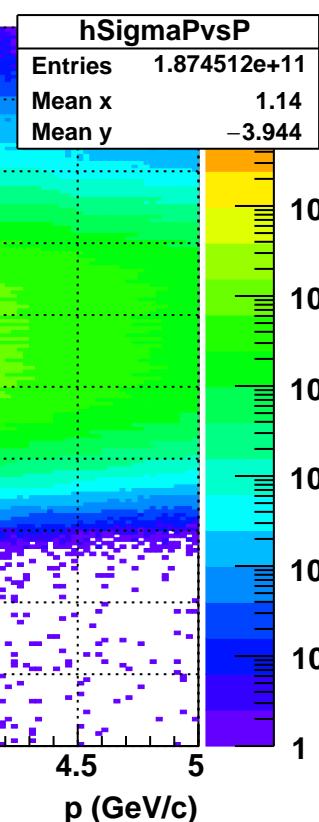
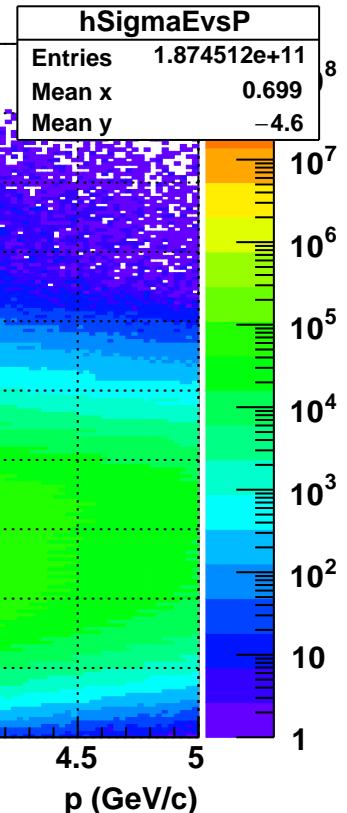


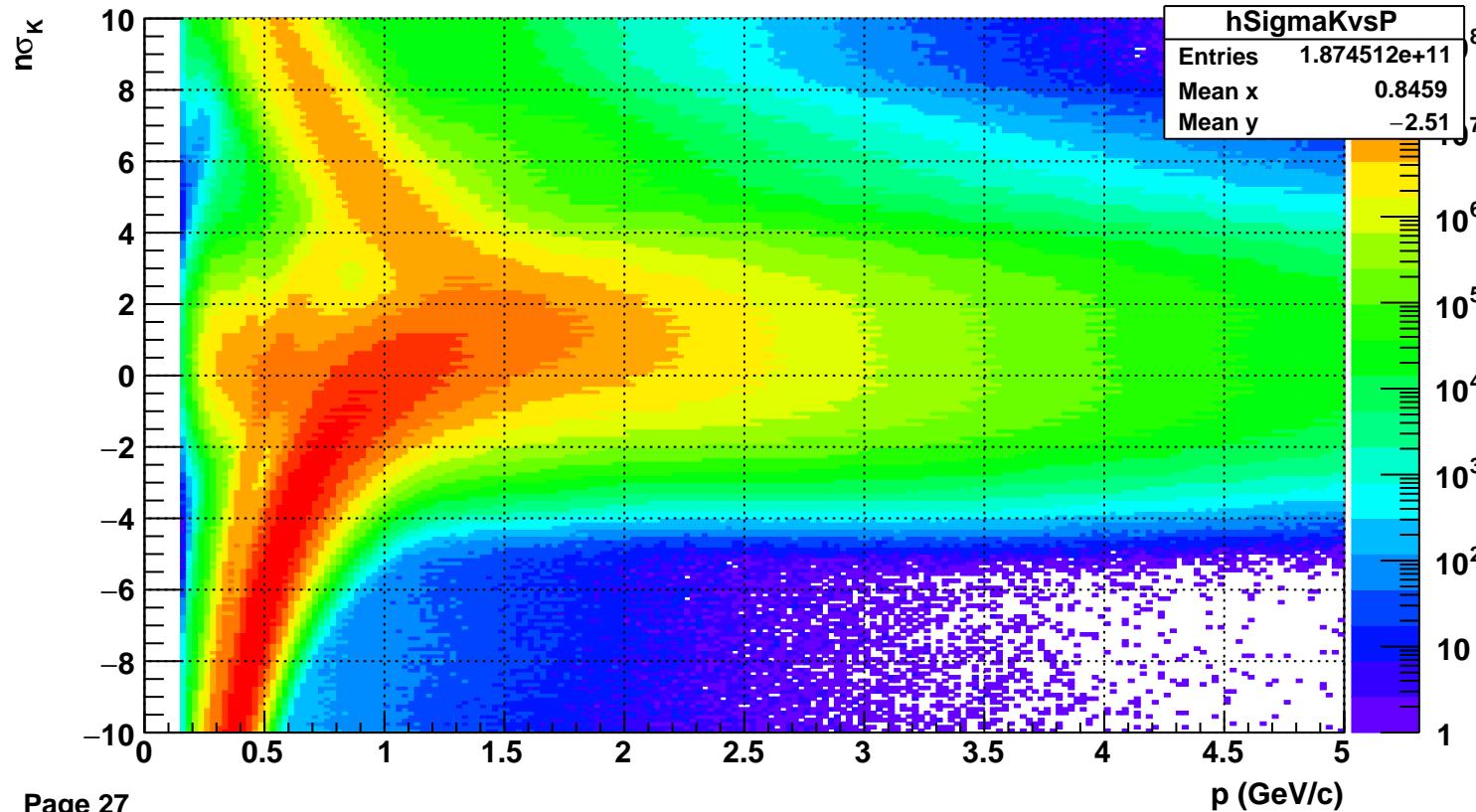
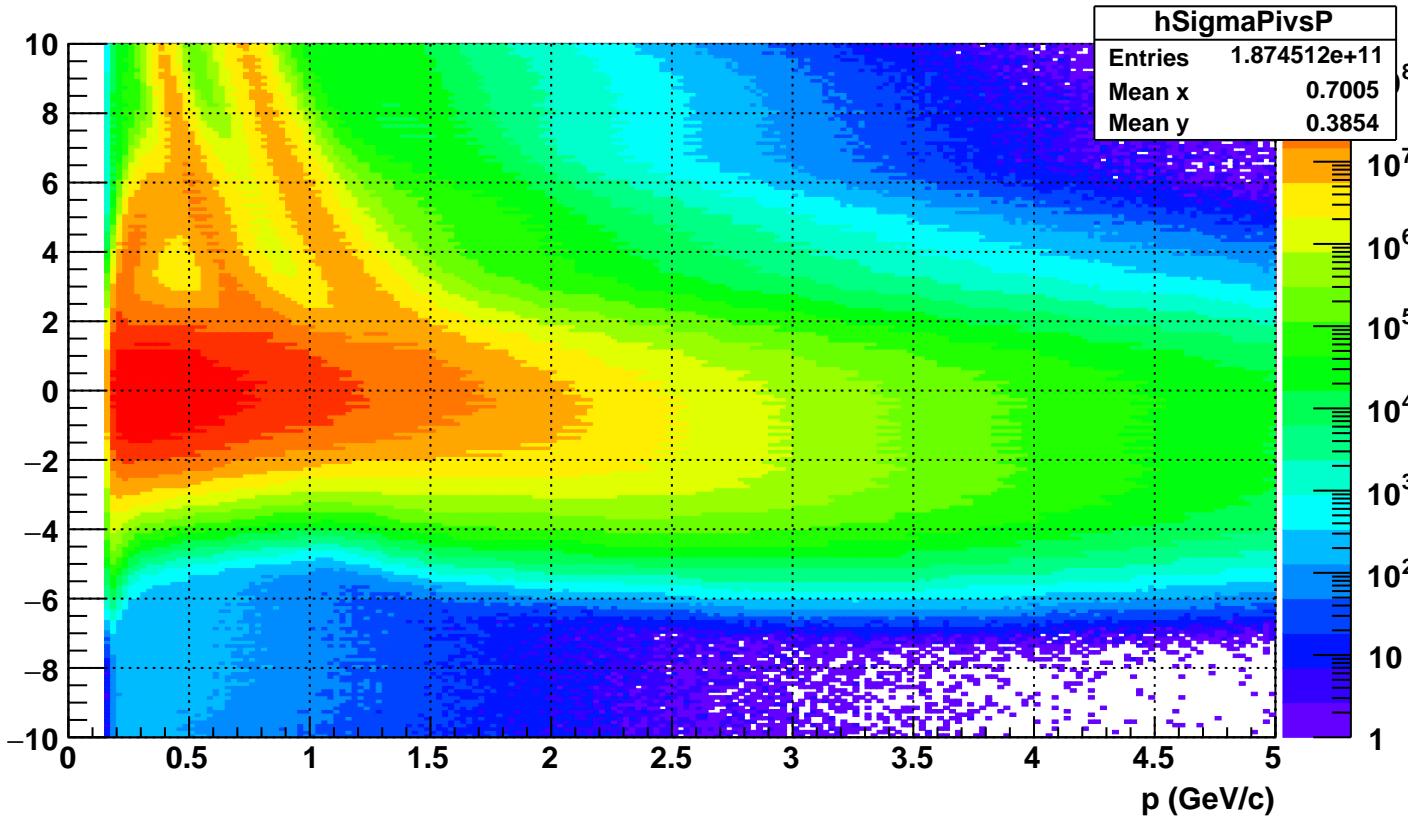






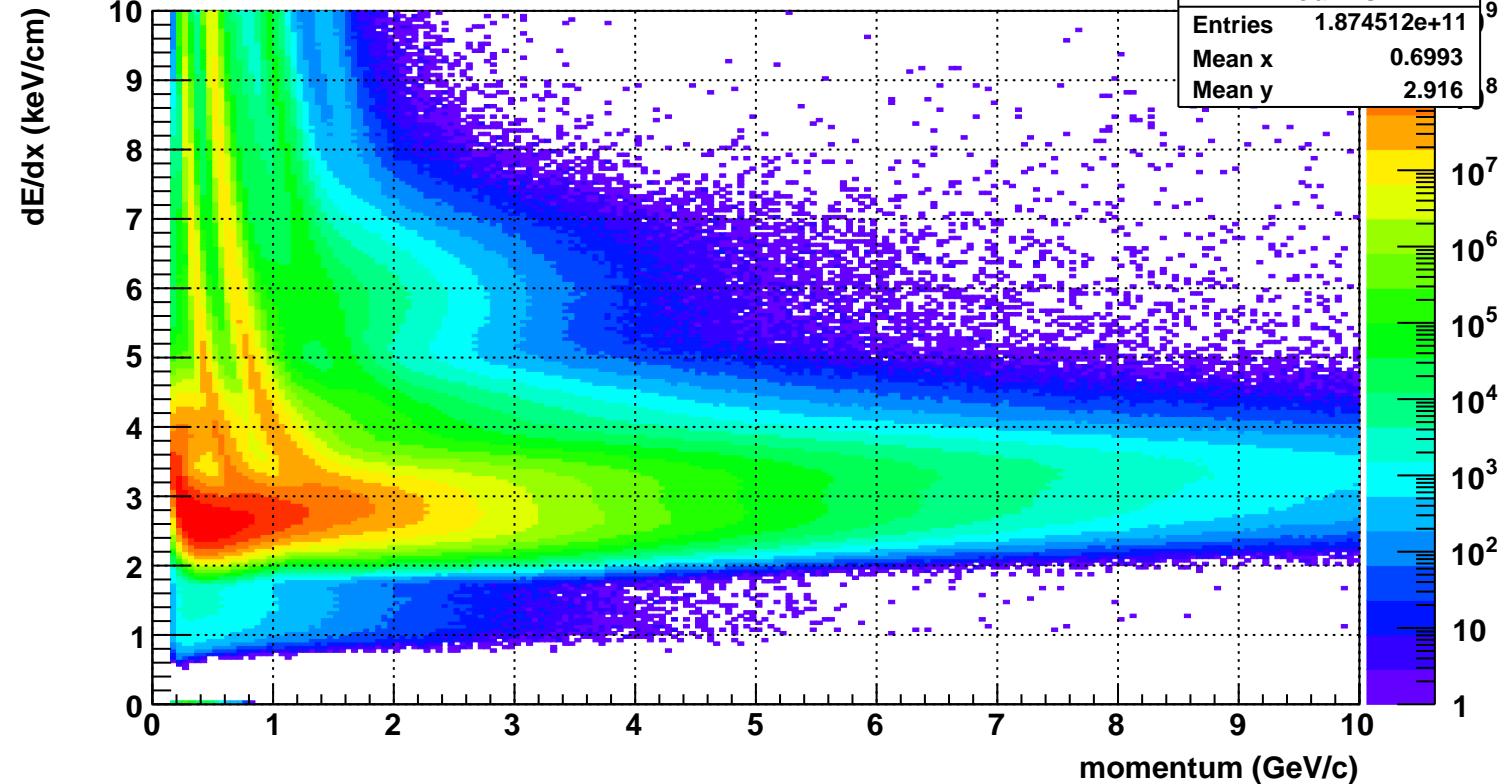






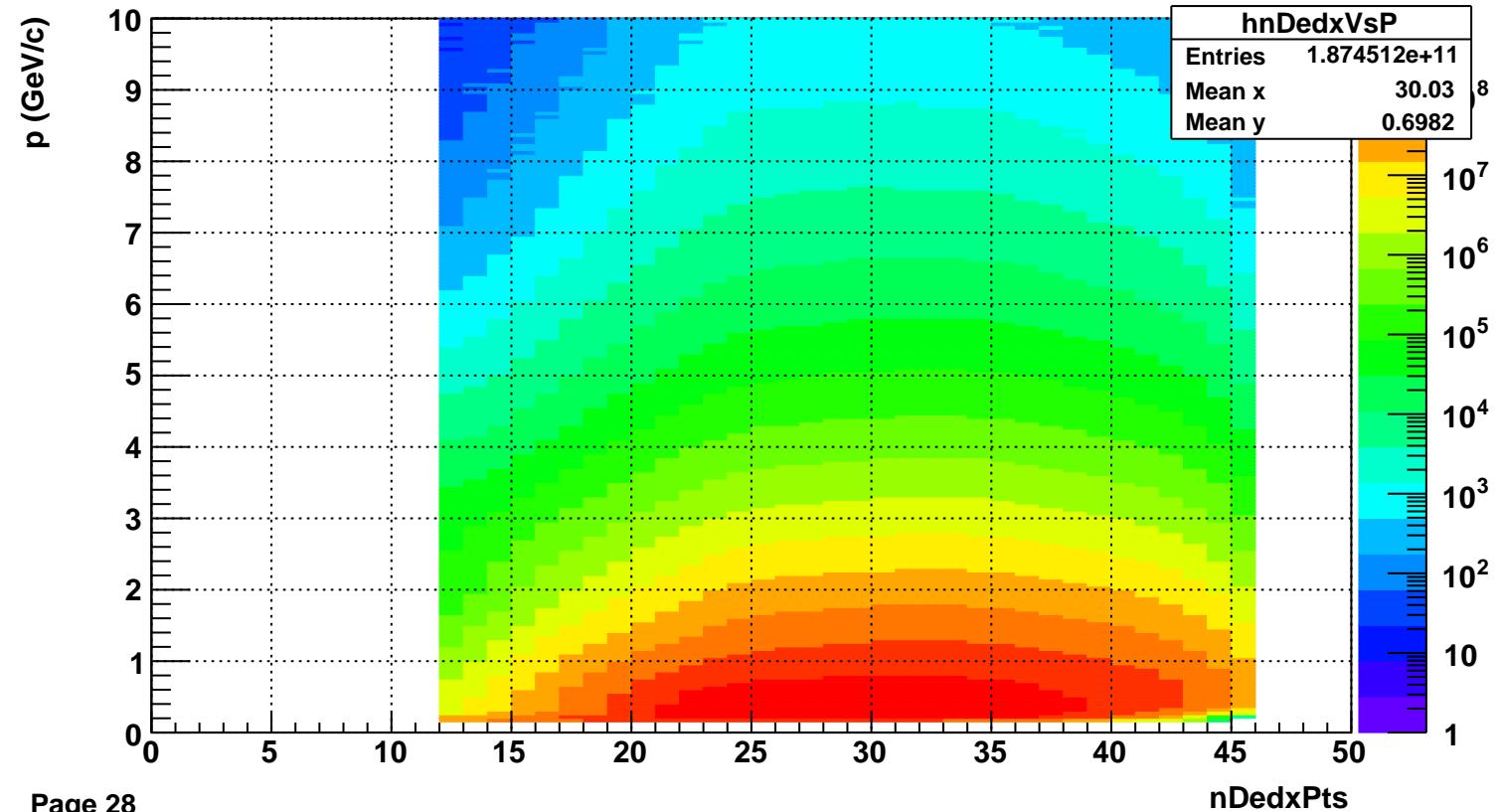
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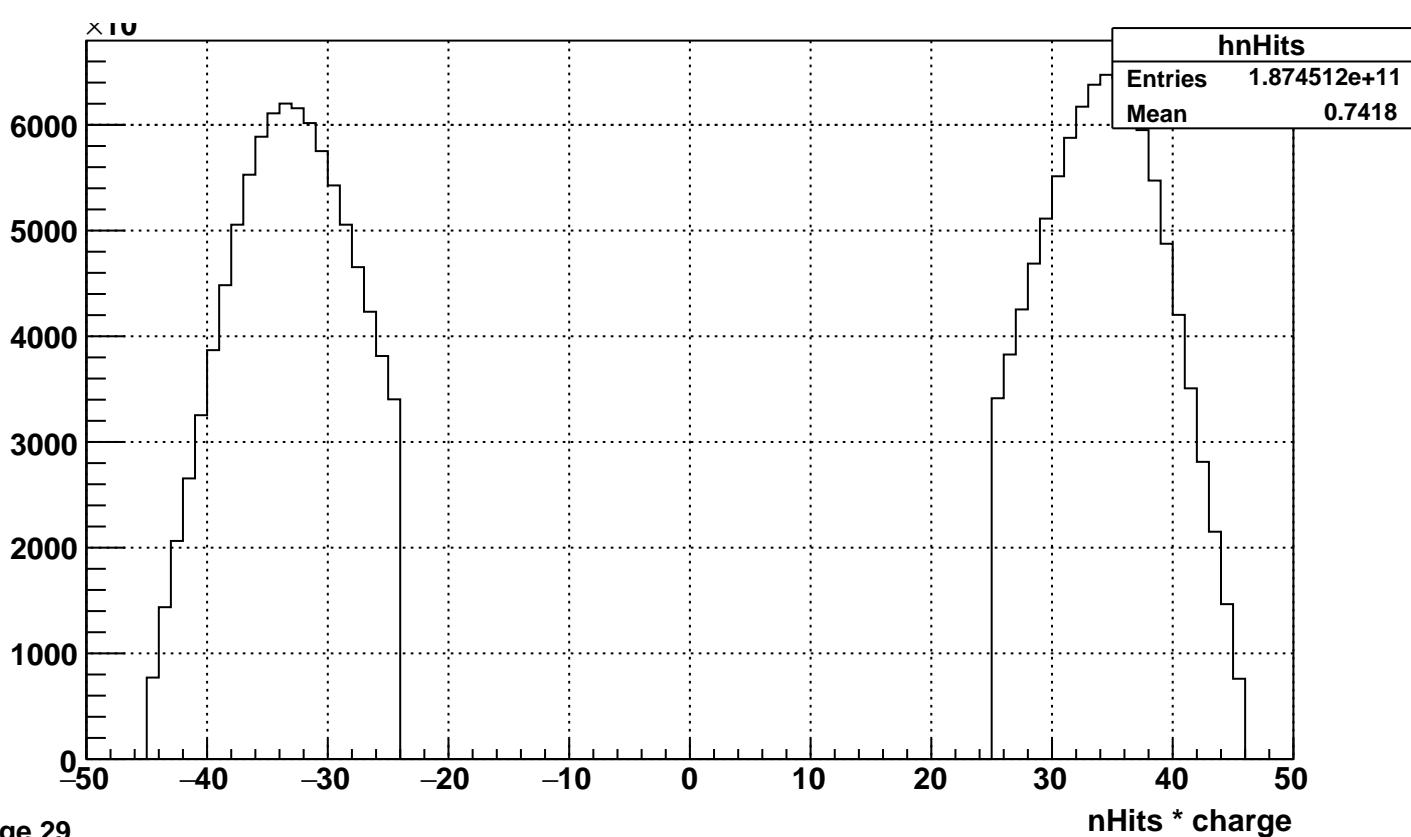
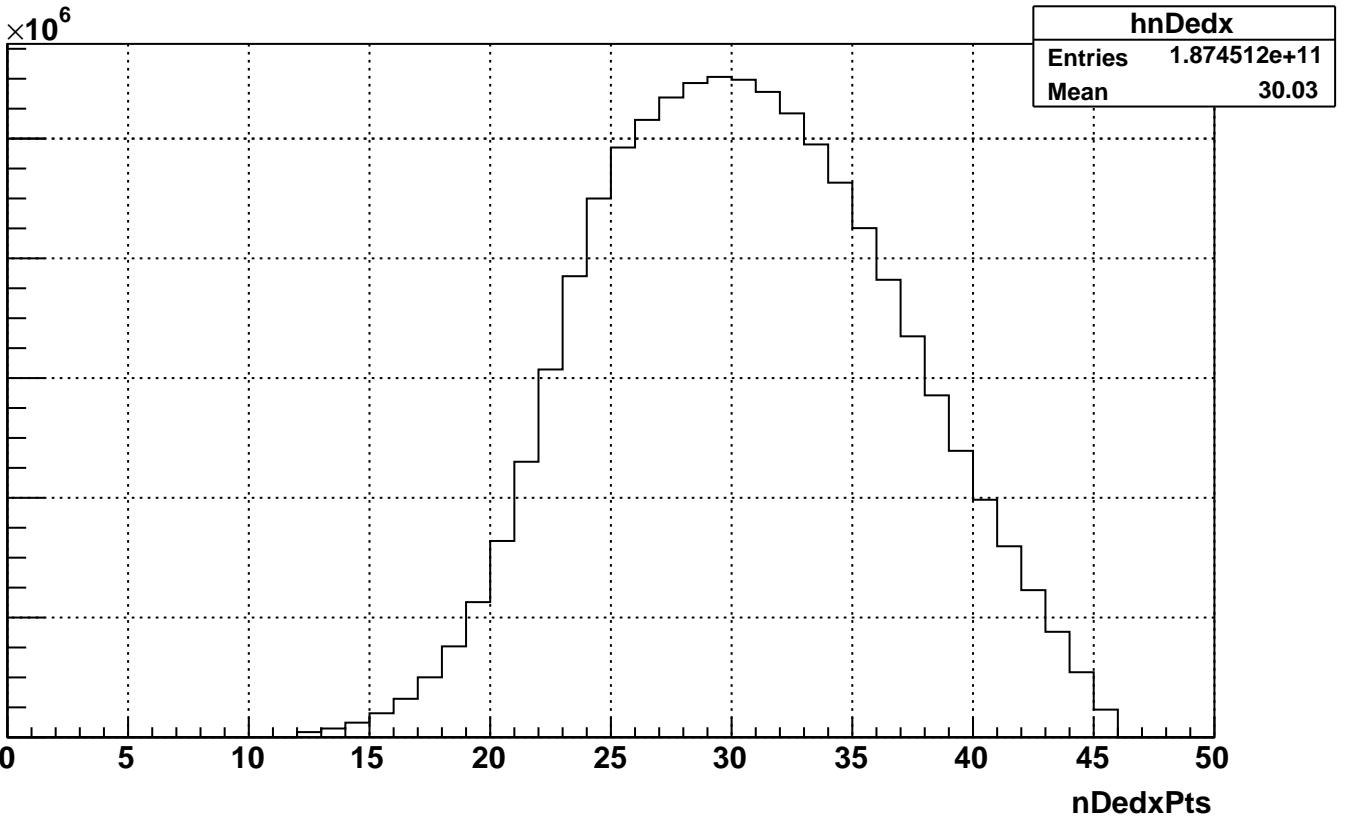
Entries	1.874512e+11
Mean x	0.6993
Mean y	2.916

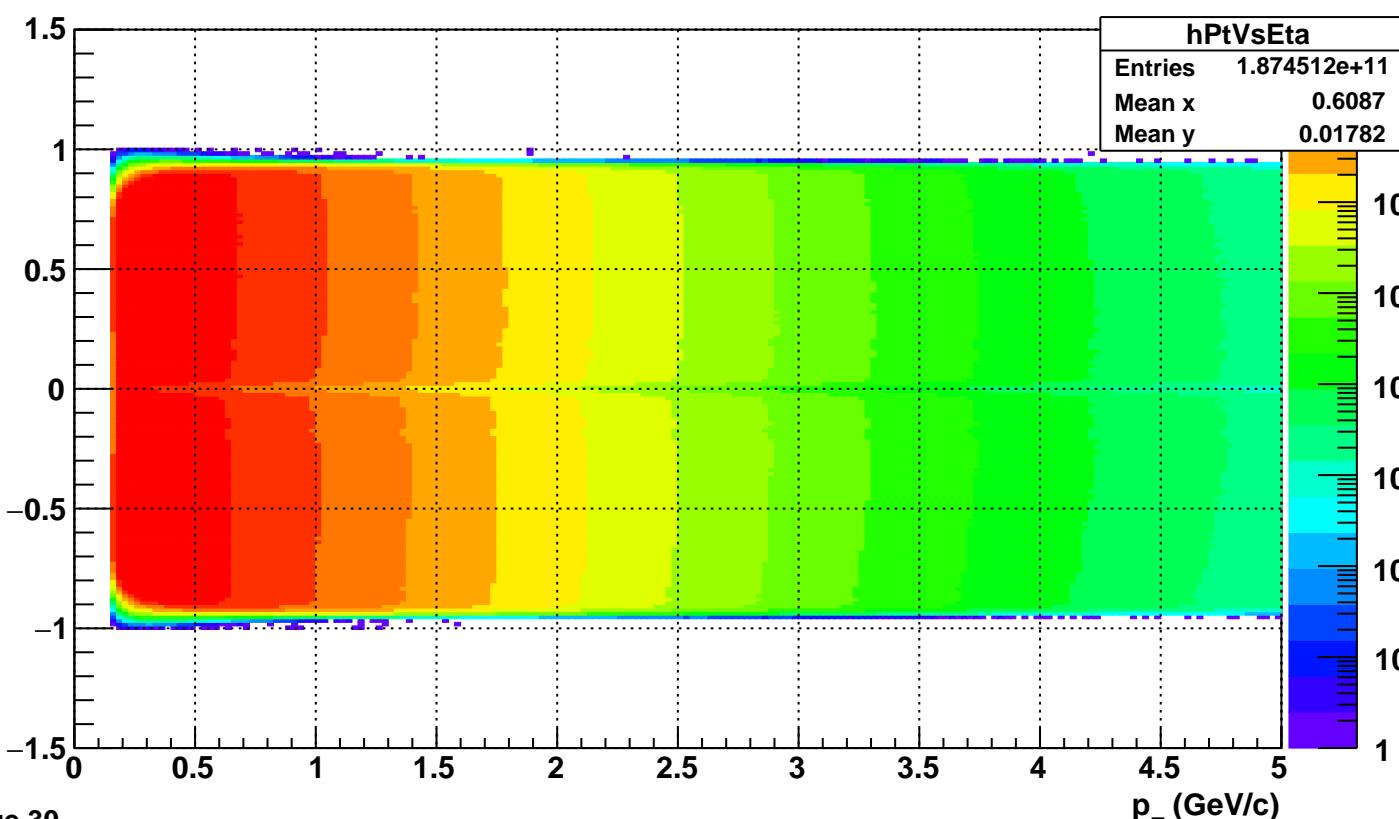
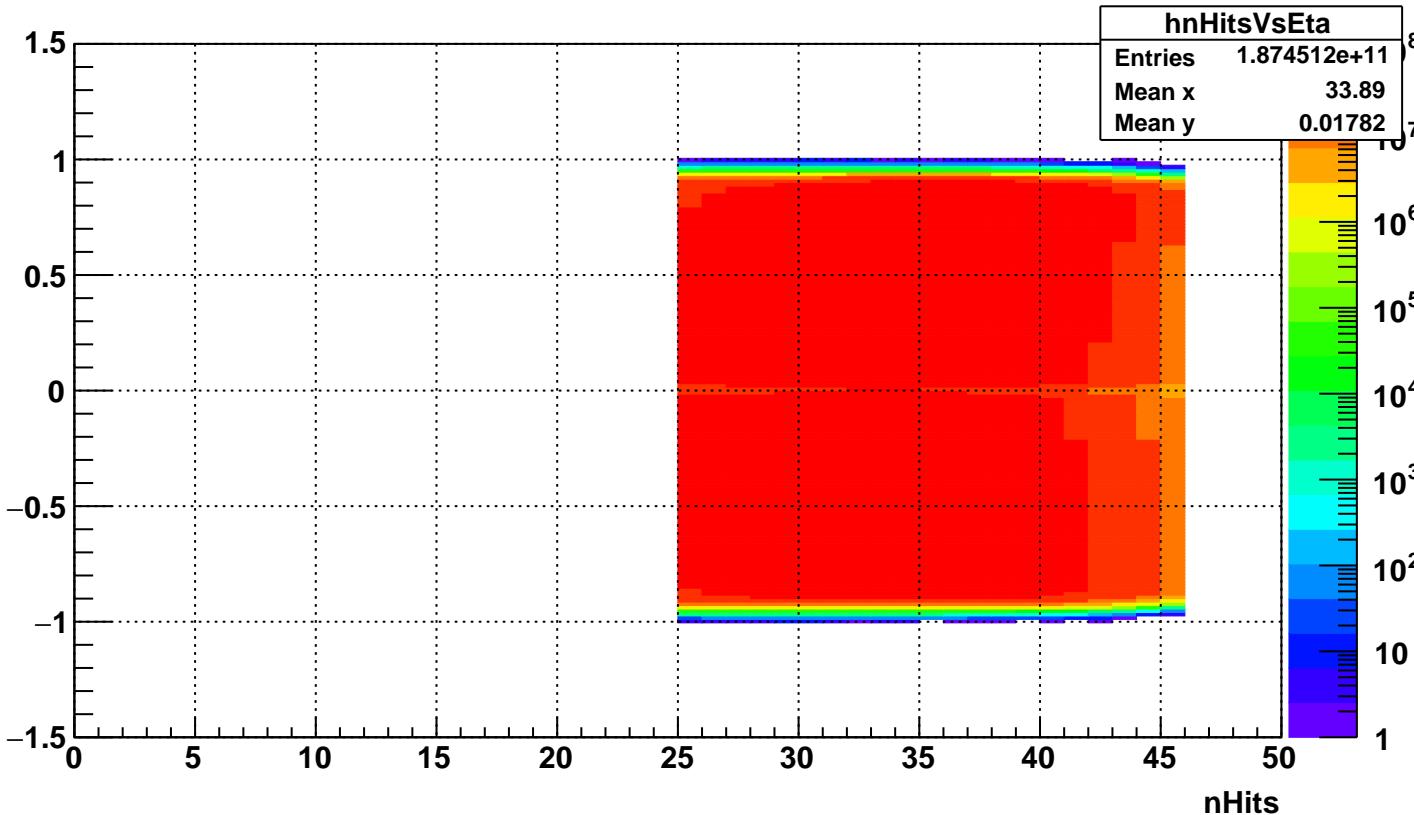


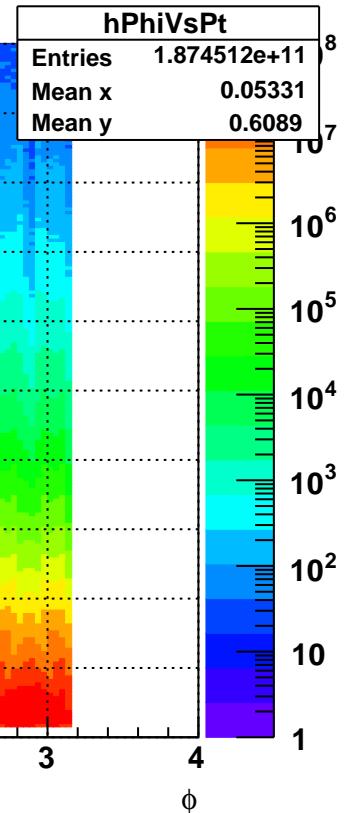
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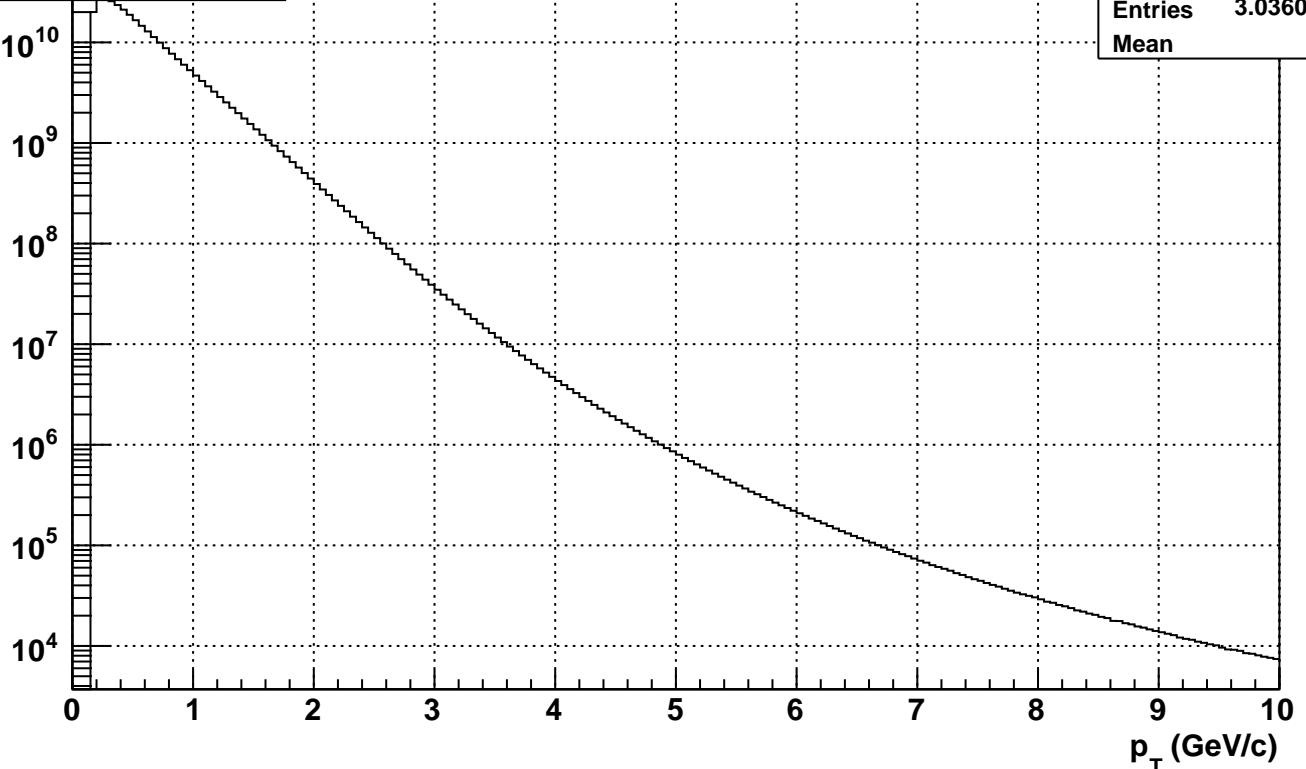
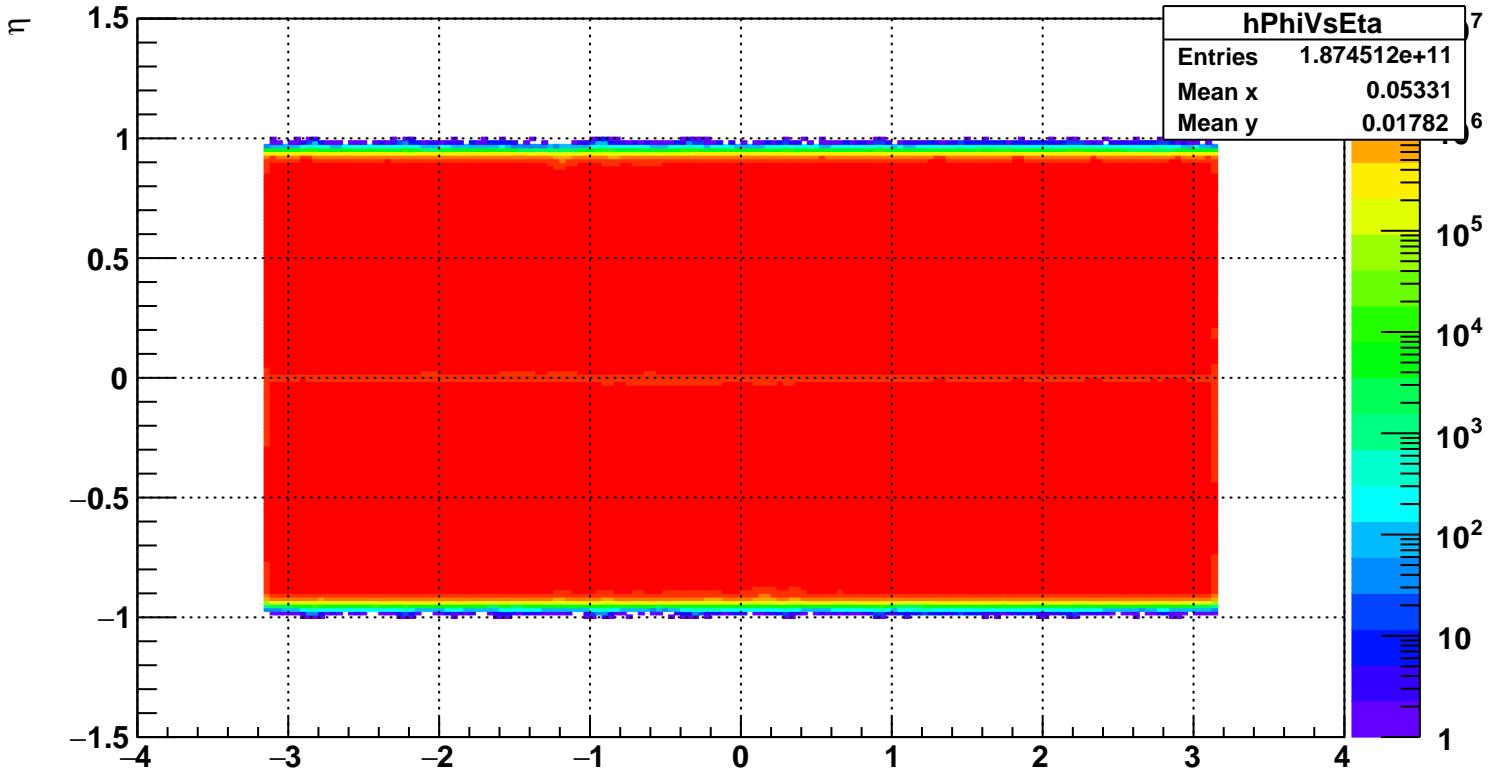
Entries	1.874512e+11
Mean x	30.03
Mean y	0.6982





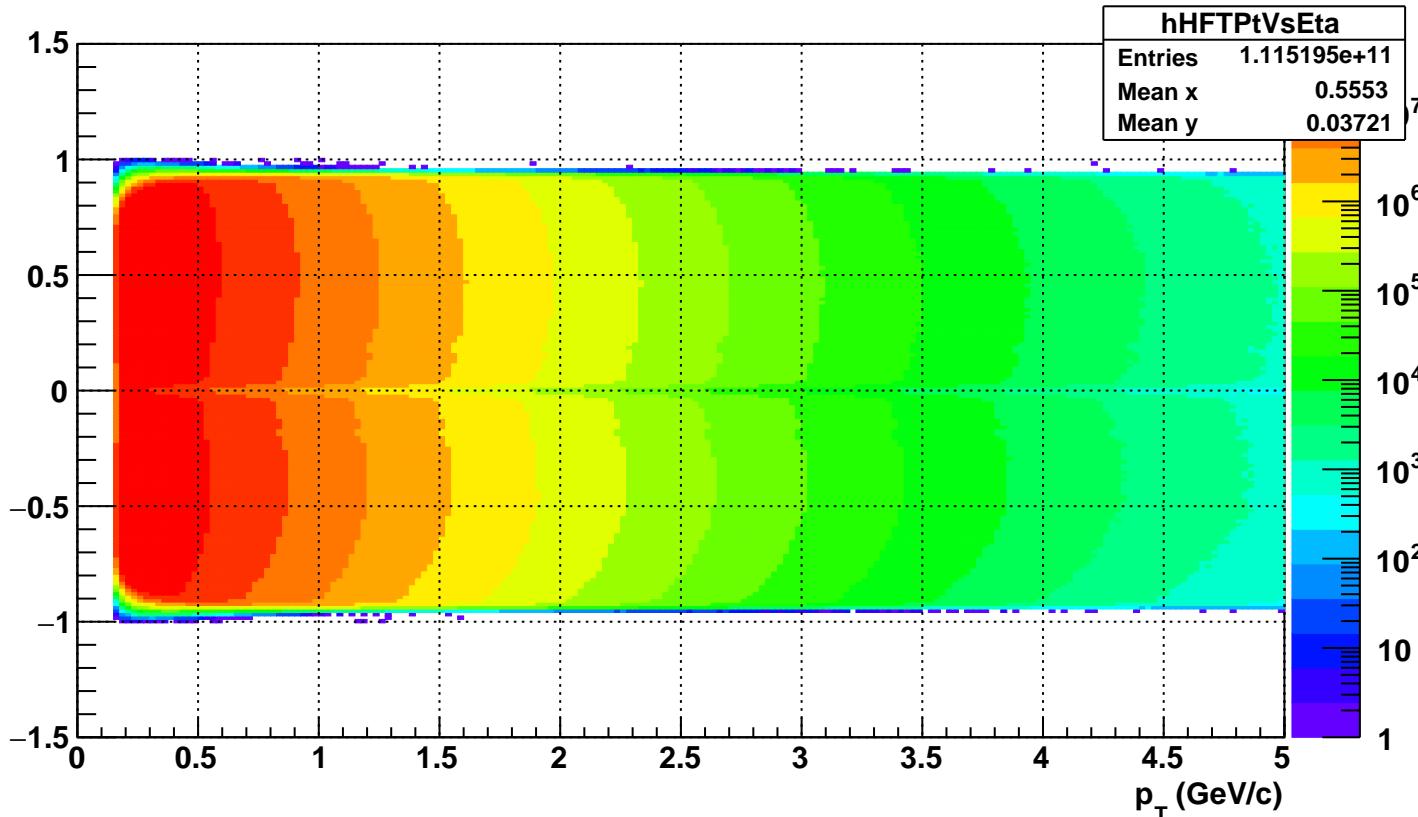




hPtNoTof Match**hPtNoTof**Entries $3.036002e+11$ Mean 0.5888 **hPhiVsEta**Entries $1.874512e+11$ Mean x 0.05331 Mean y 0.01782 

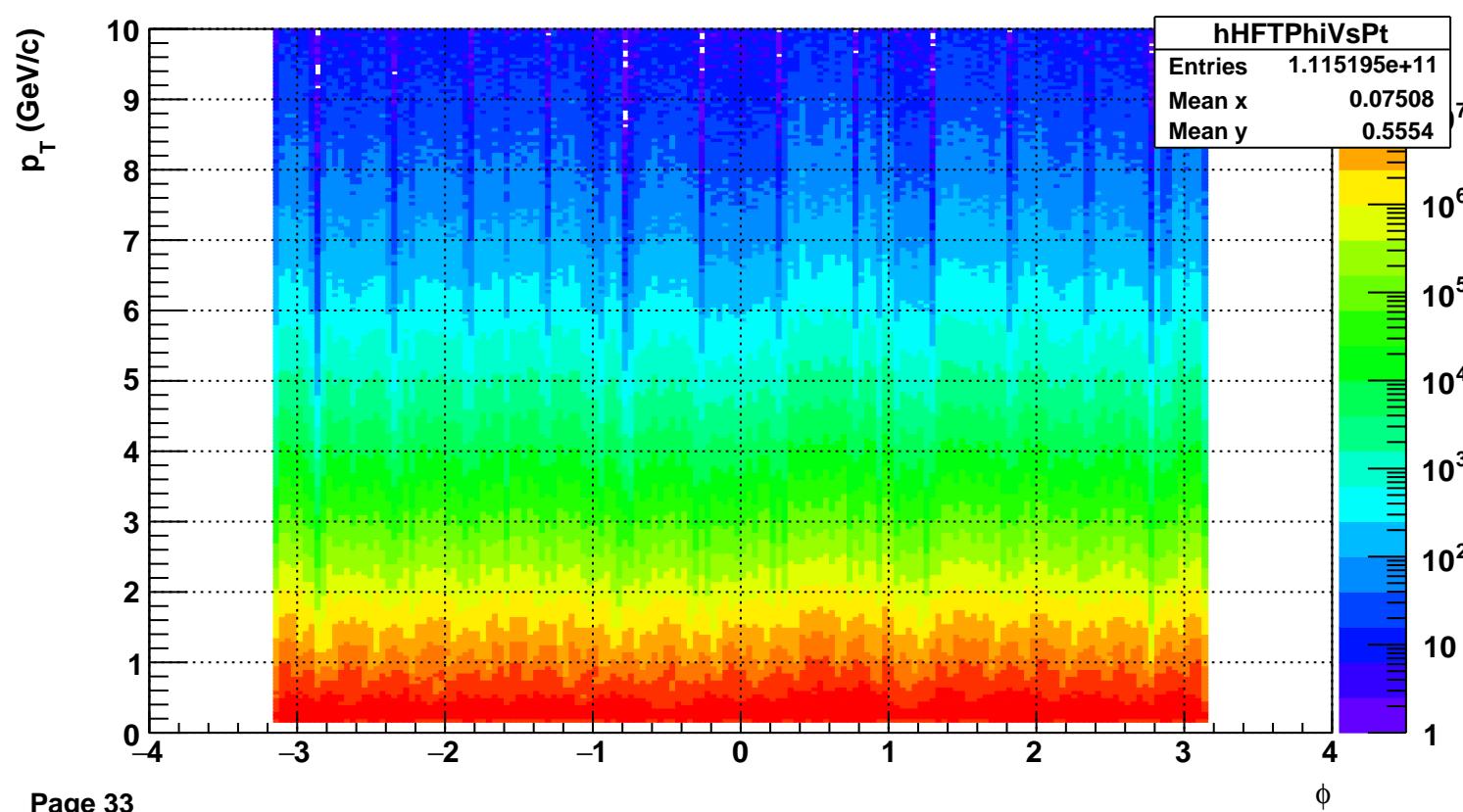
hHFTPtVsEta

Entries	1.115195e+11
Mean x	0.5553
Mean y	0.03721

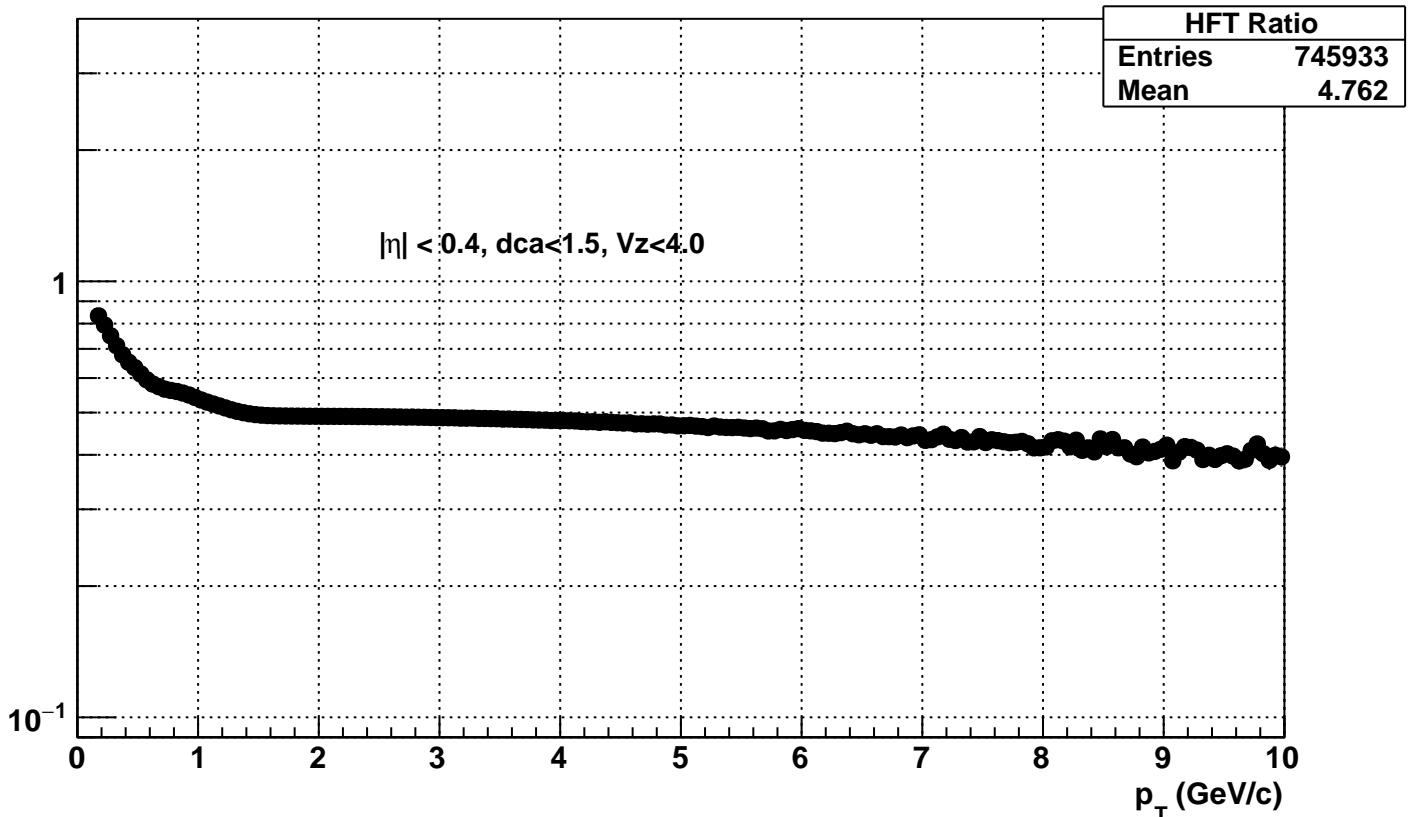


hHFTPhiVsPt

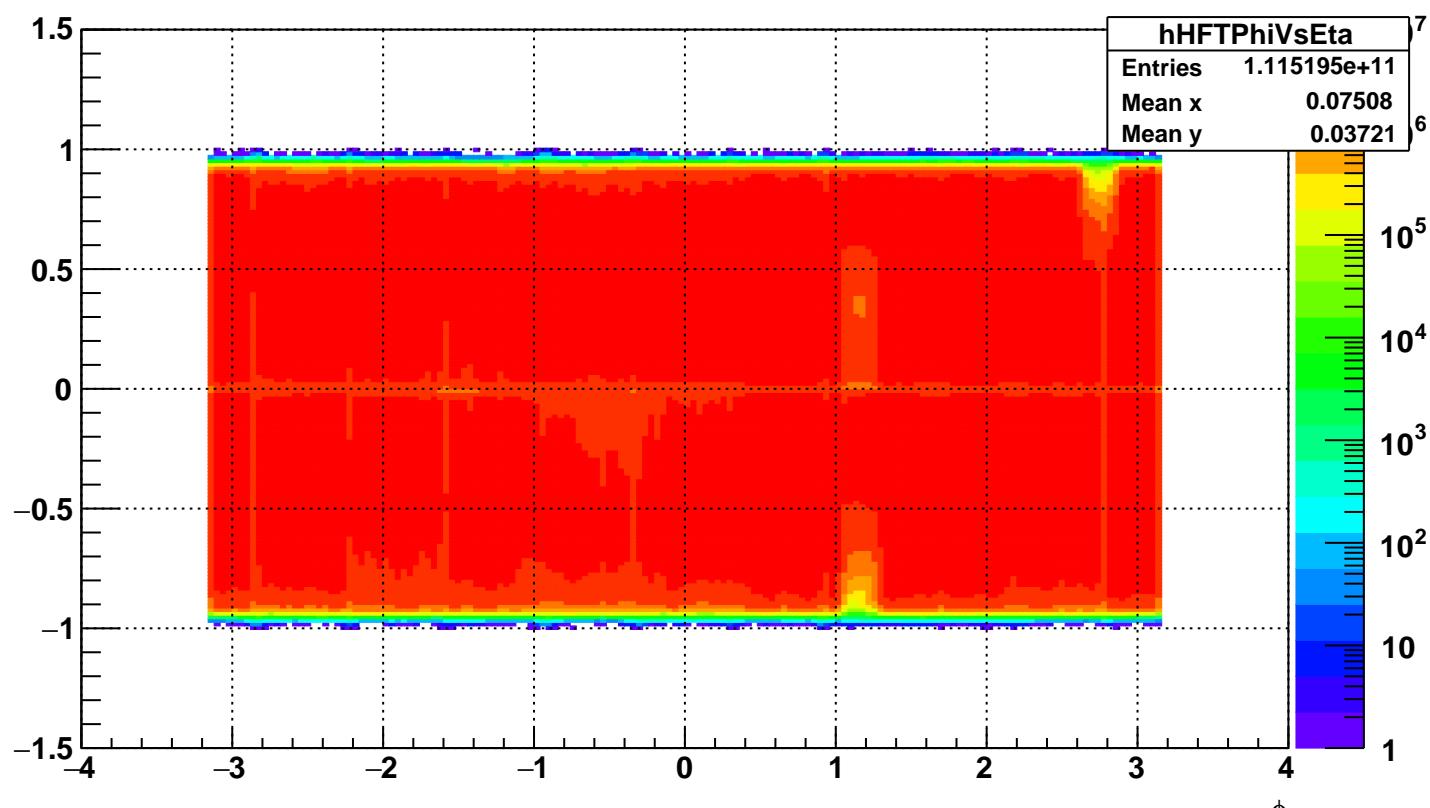
Entries	1.115195e+11
Mean x	0.07508
Mean y	0.5554

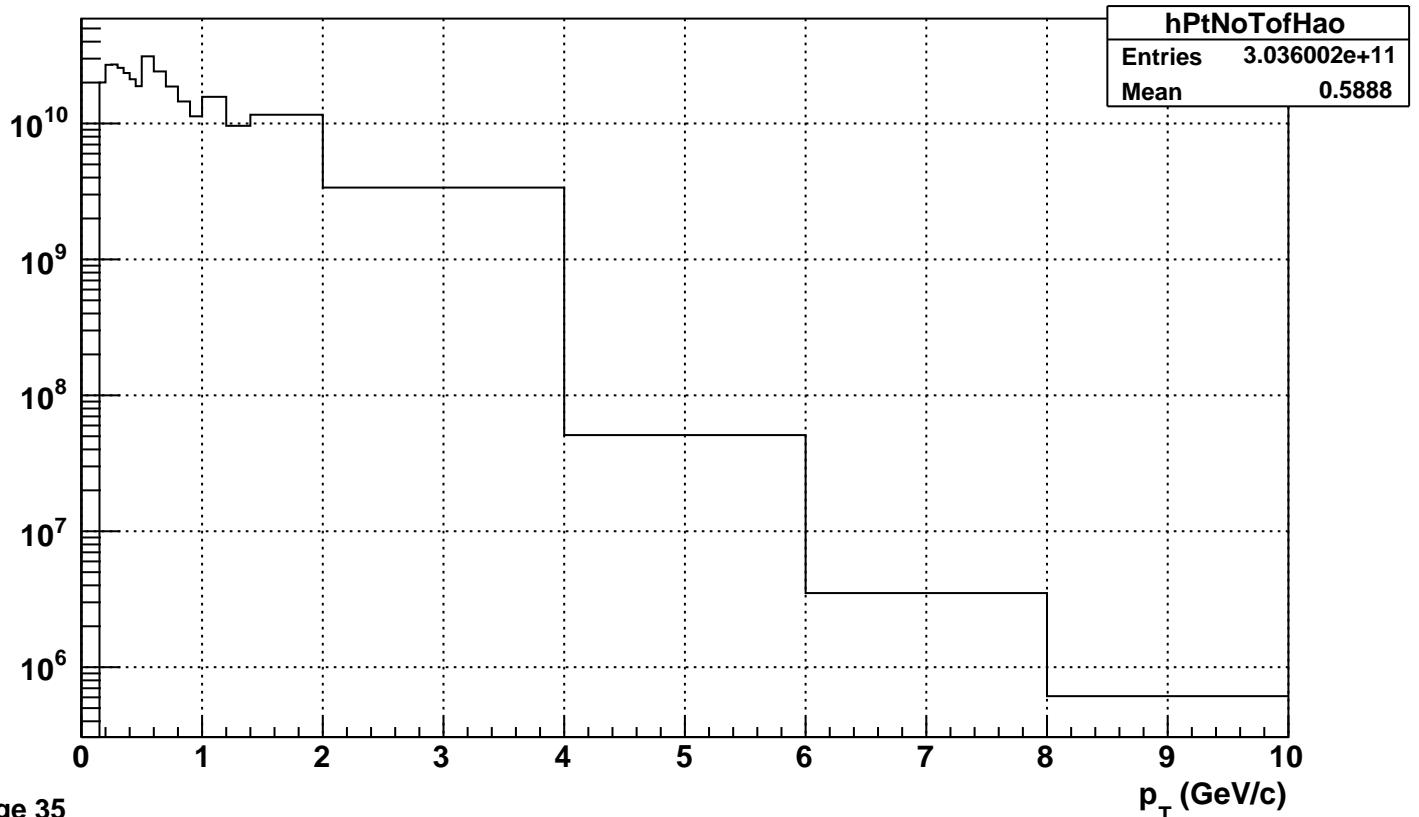
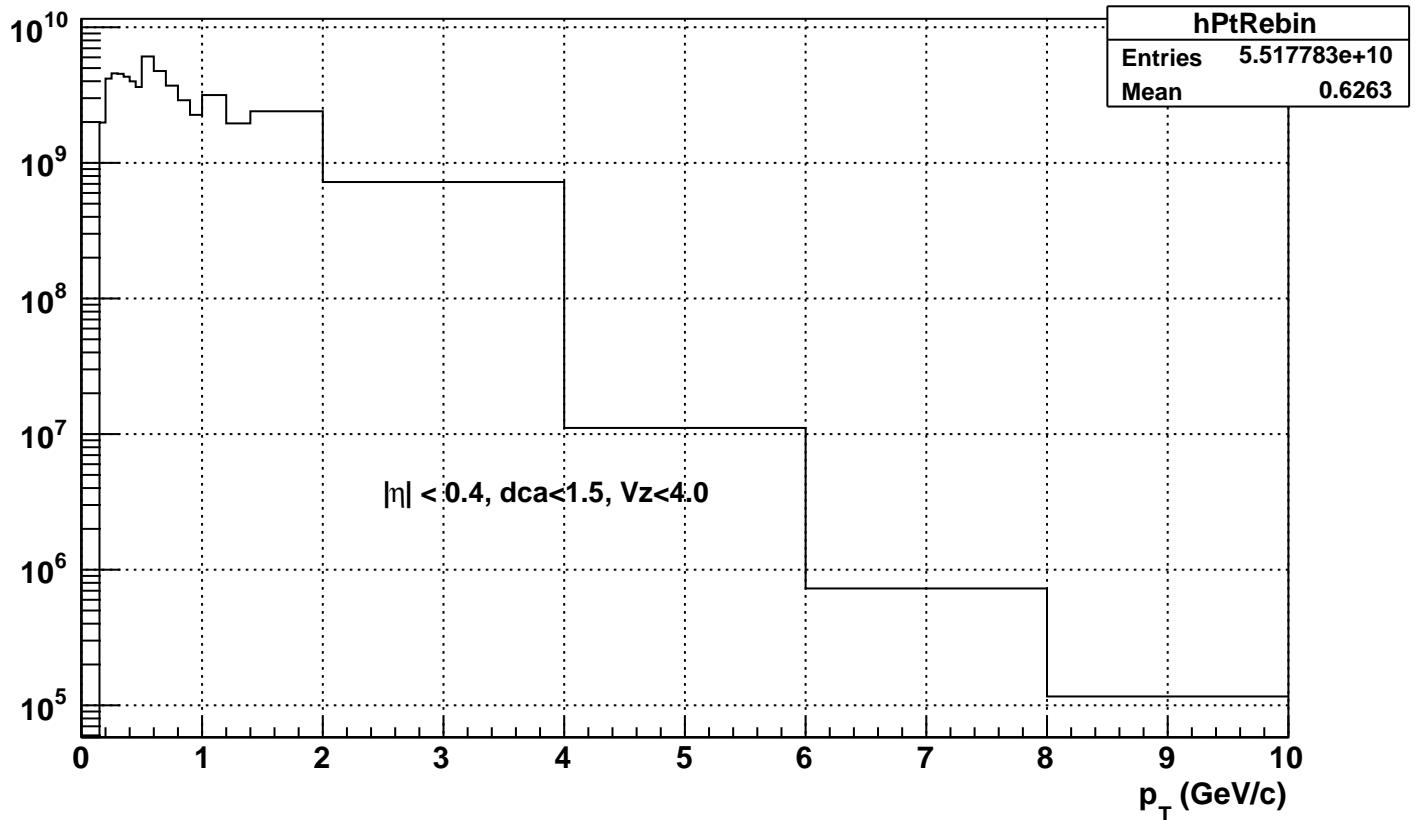


HFT Ratio



η

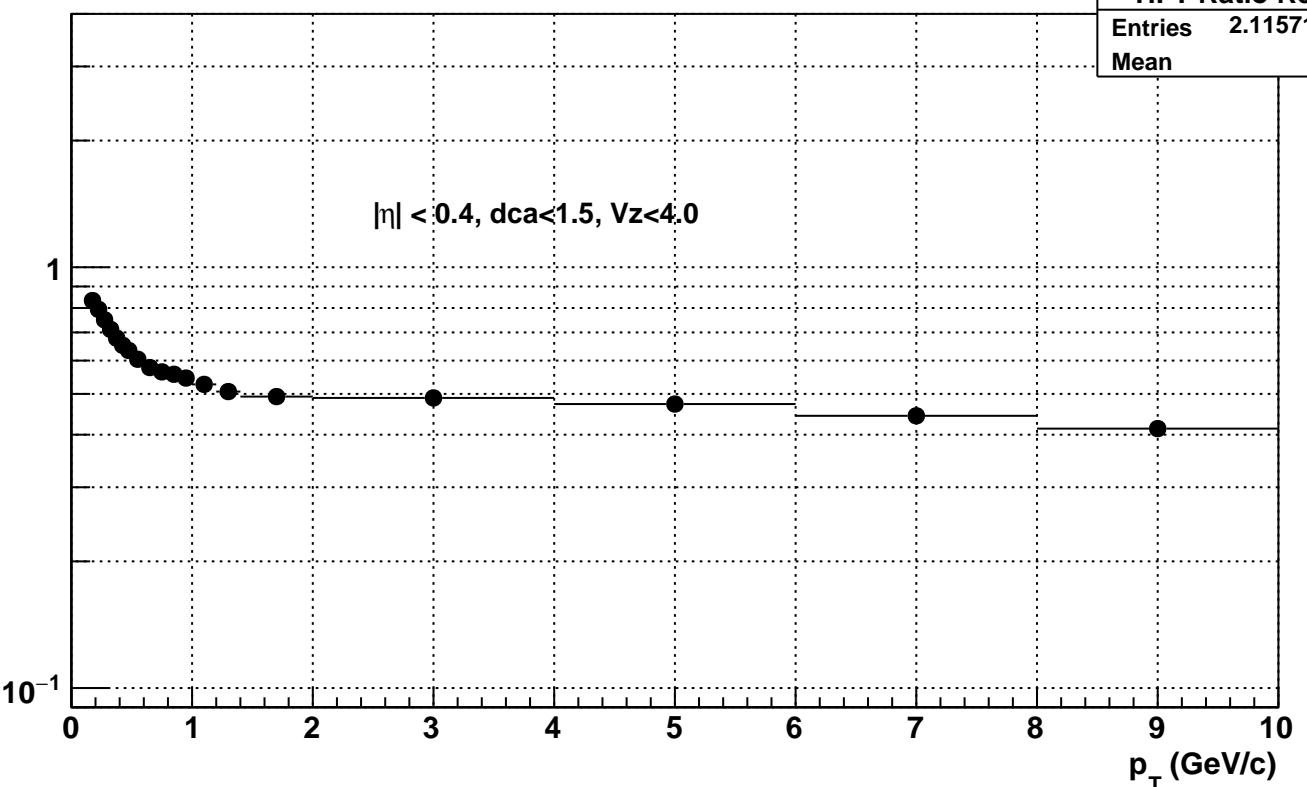




HFT Ratio Rebin

Entries 2.115712e+07

Mean 1.463

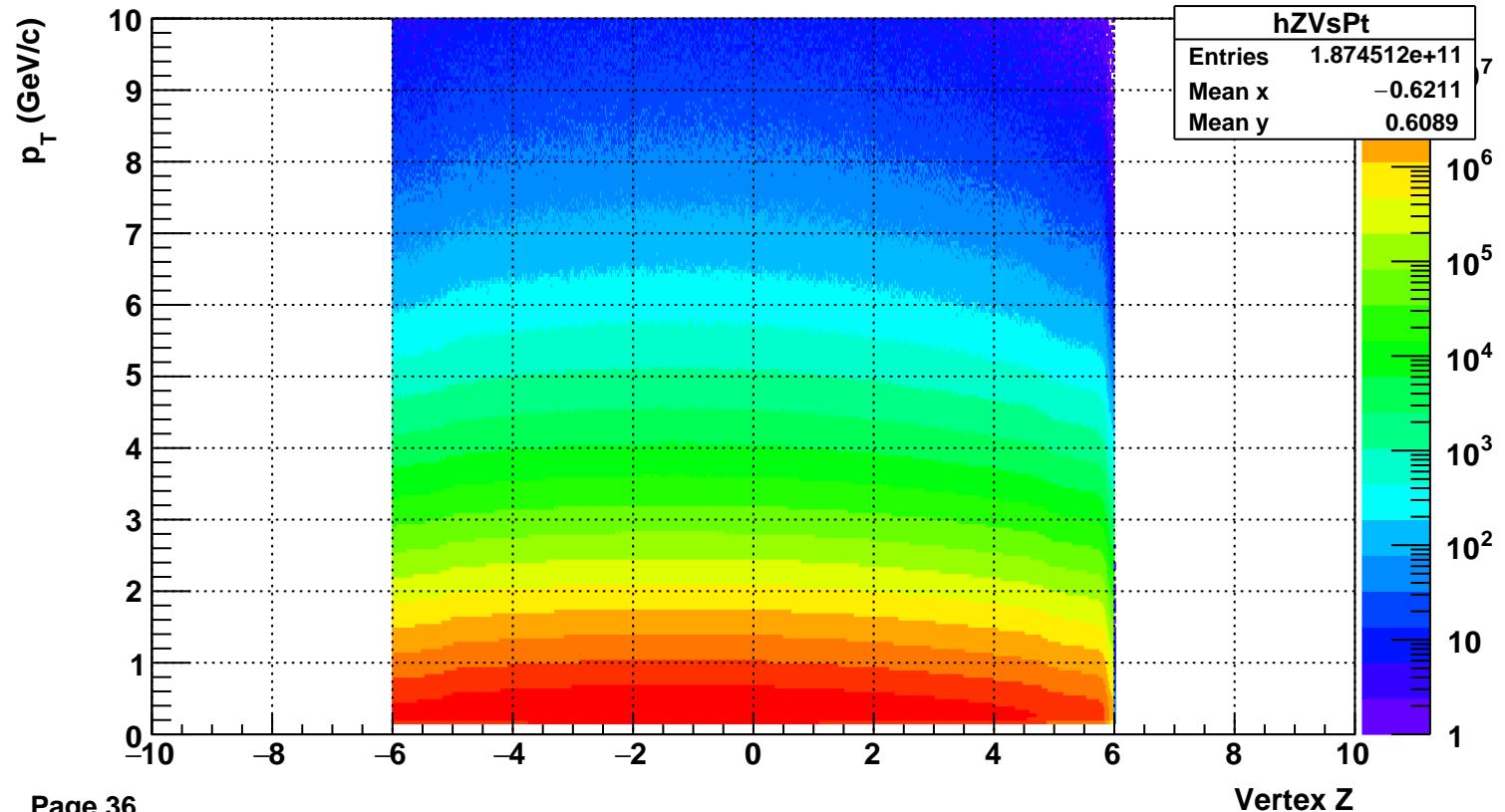


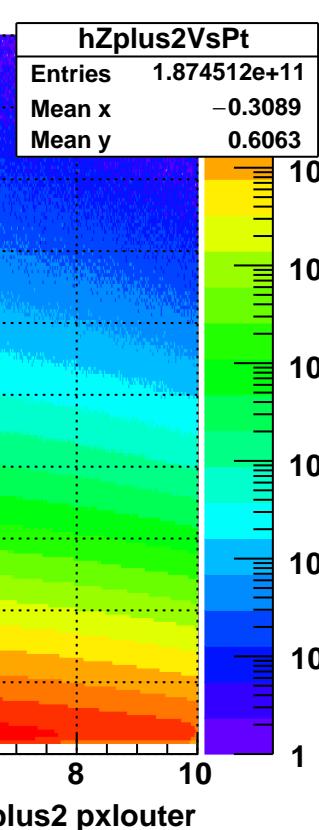
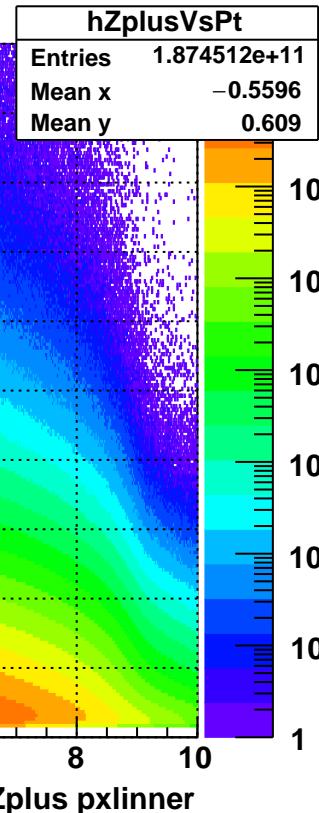
hZVsPt

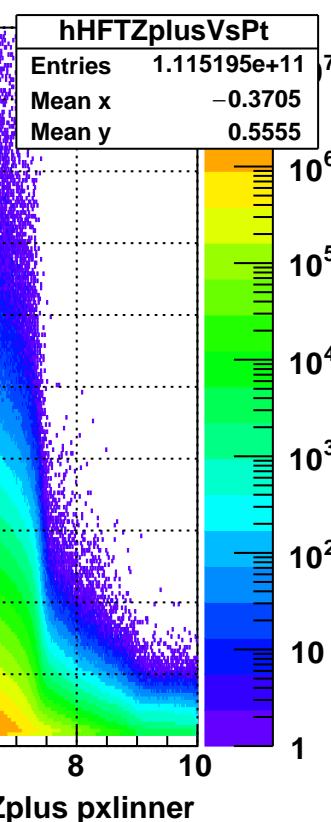
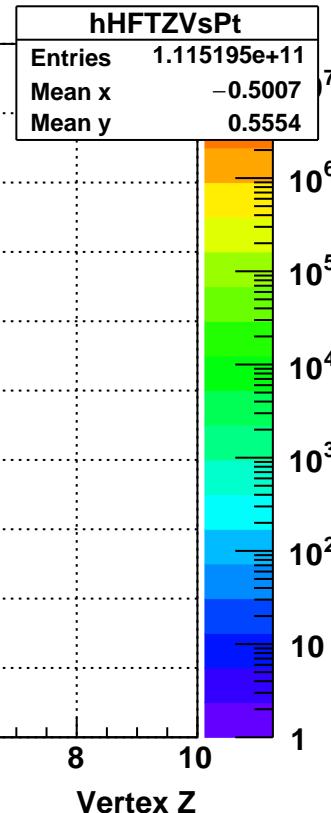
Entries 1.874512e+11

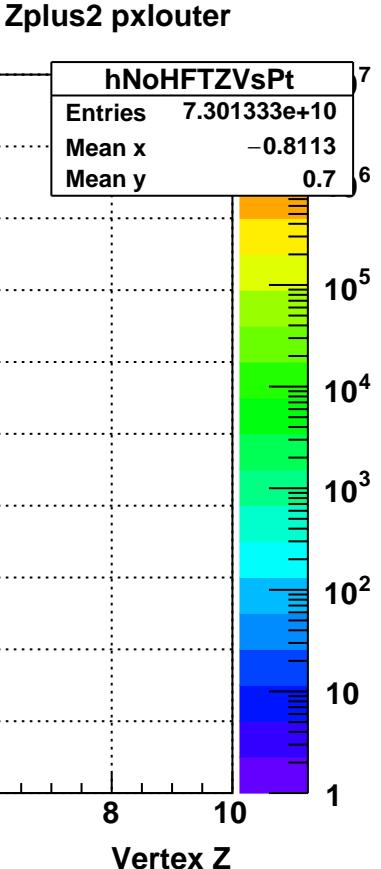
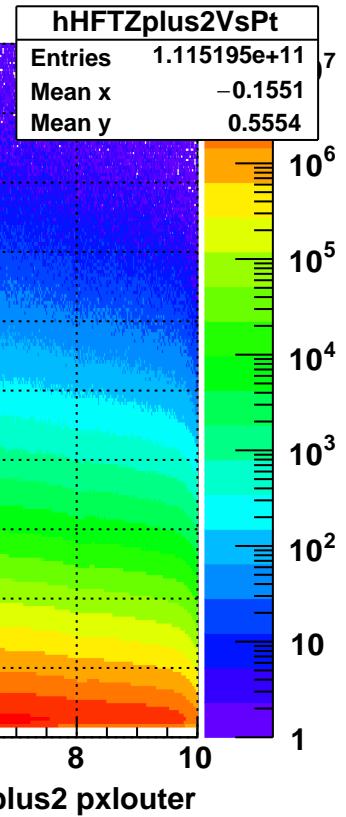
Mean x -0.6211

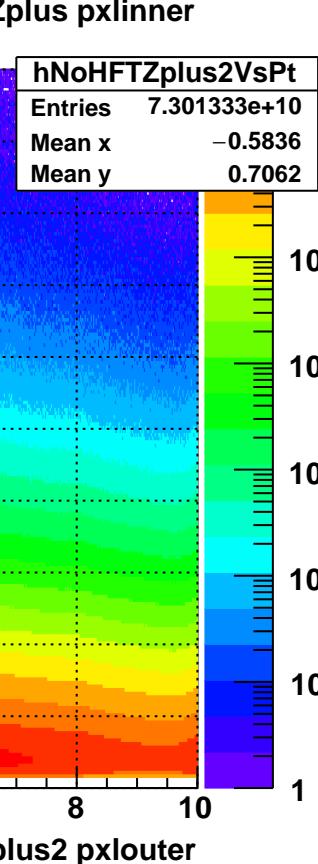
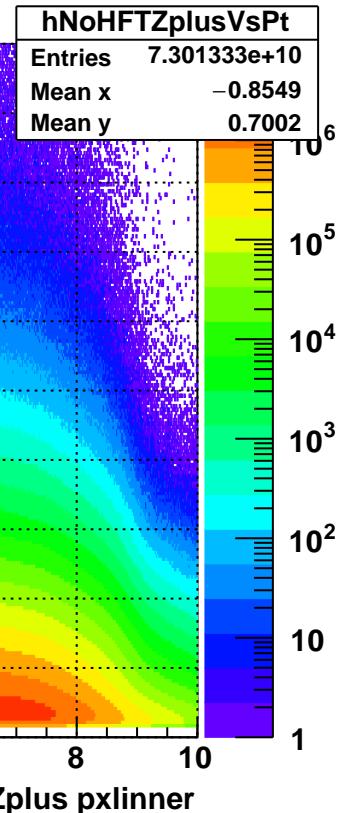
Mean y 0.6089

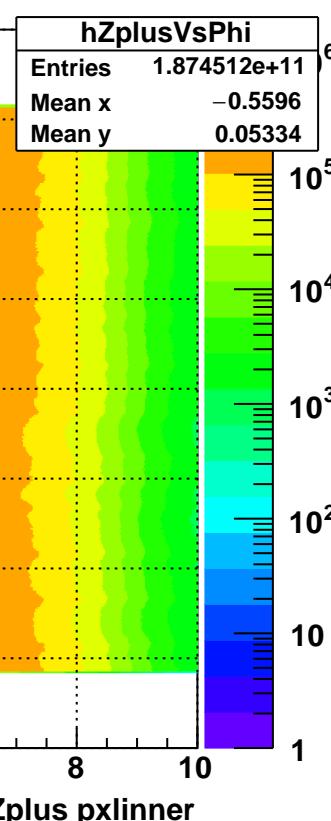
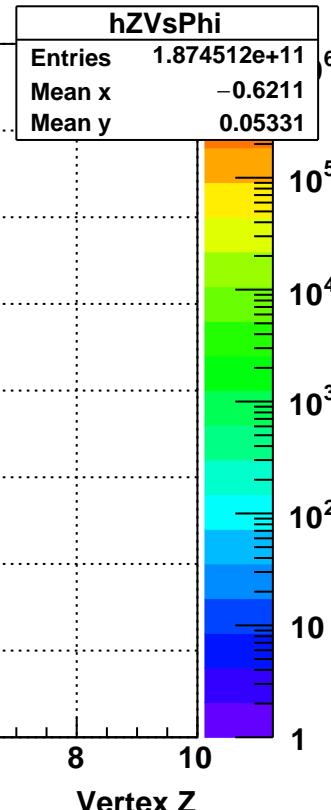


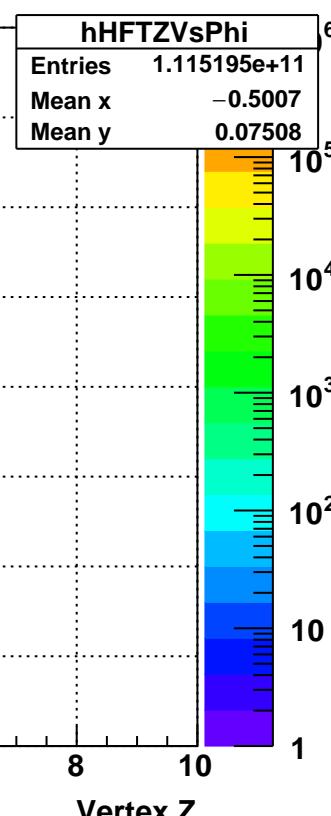
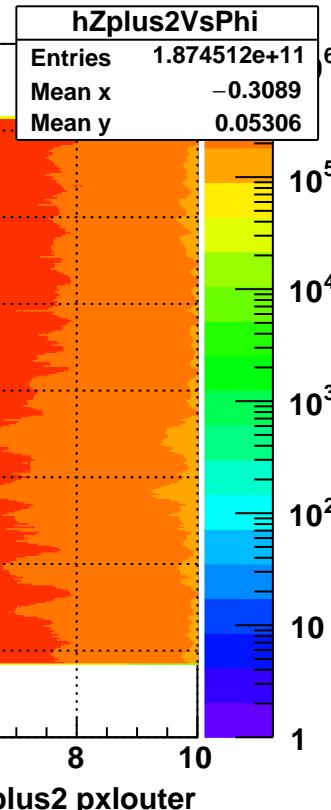


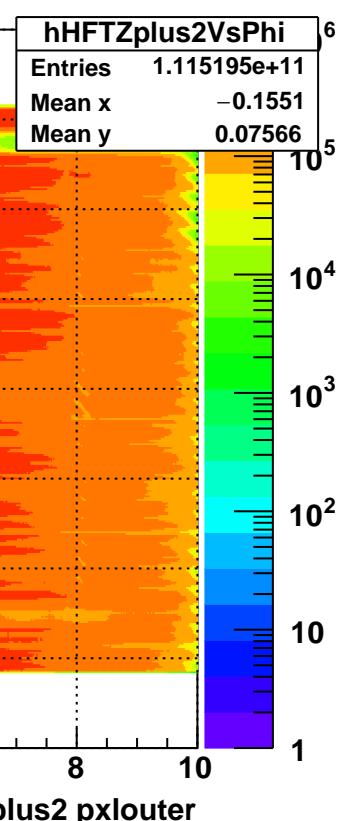
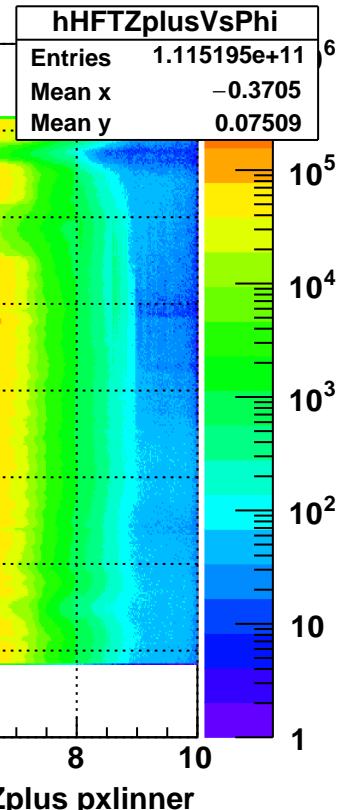


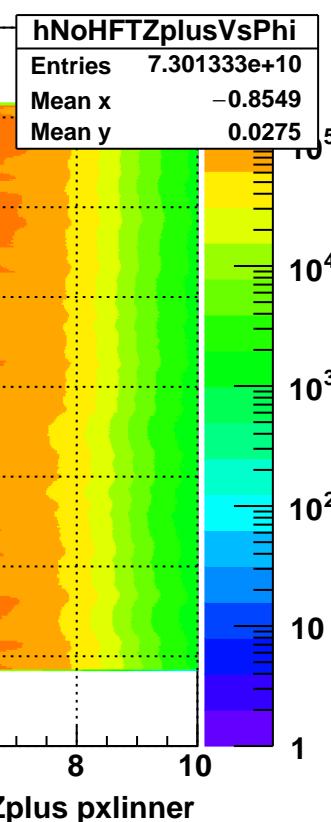
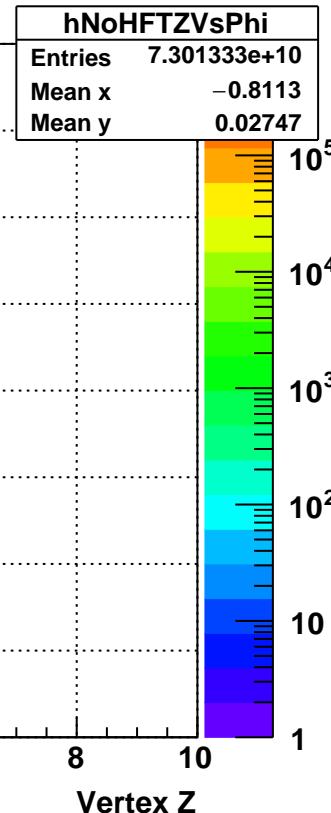


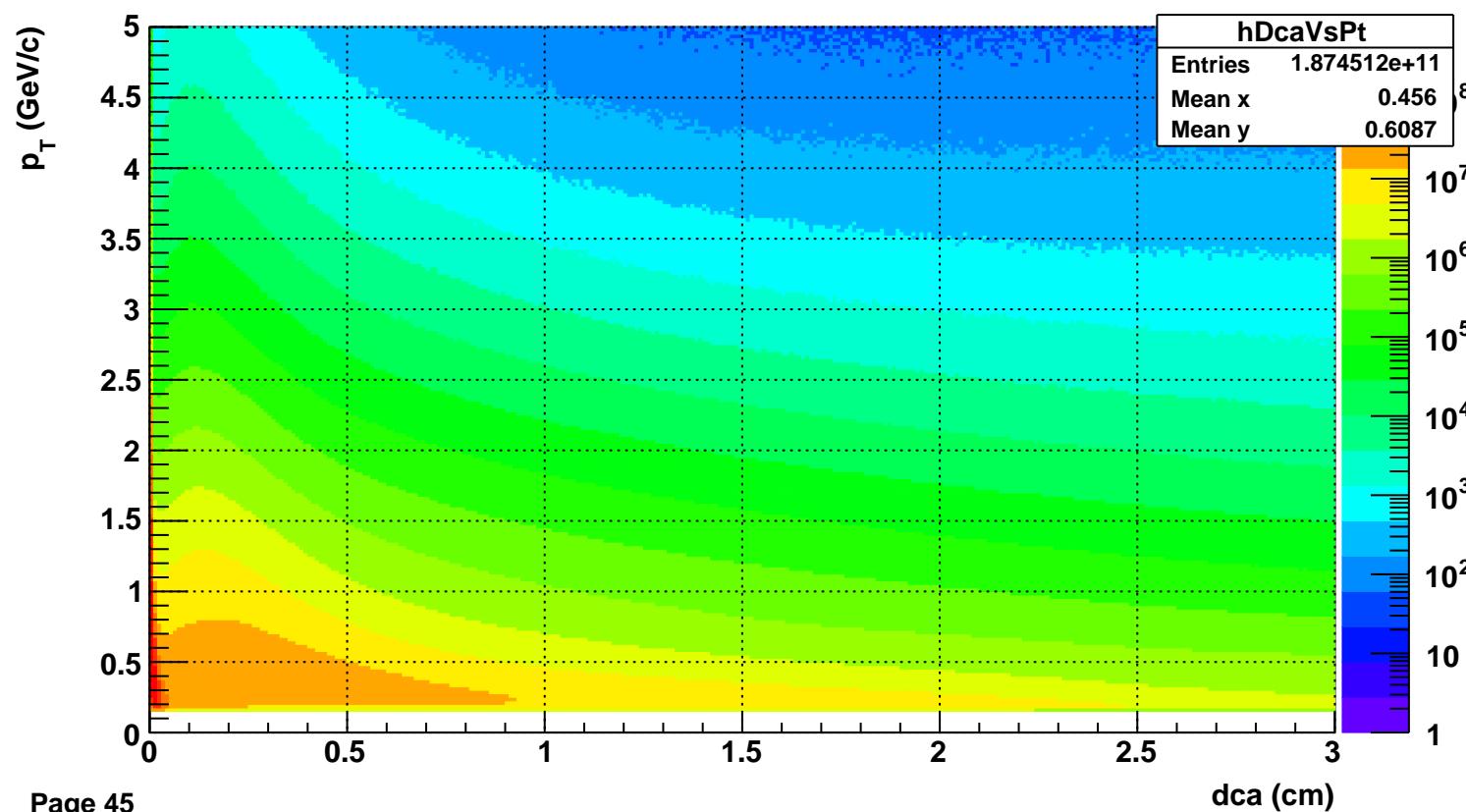
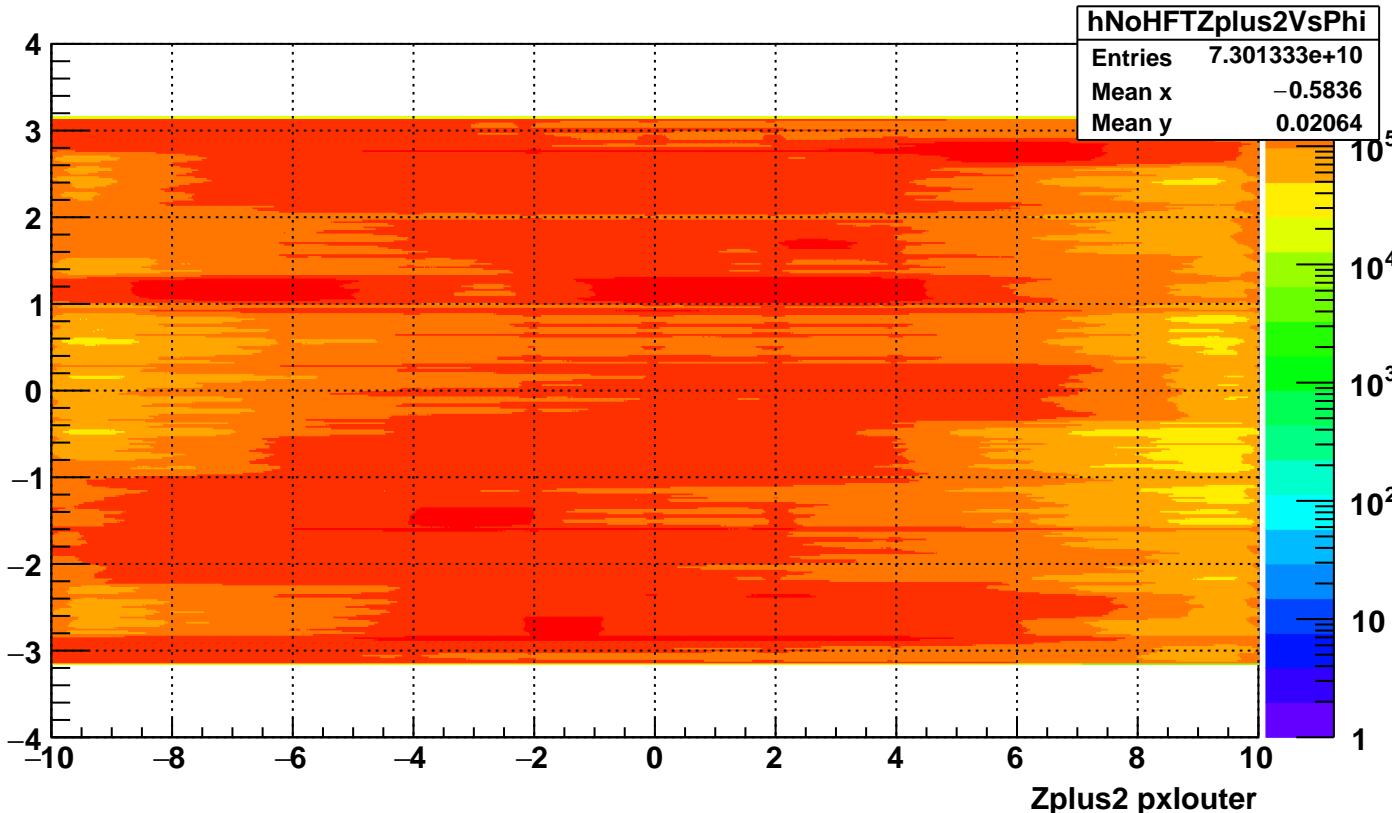


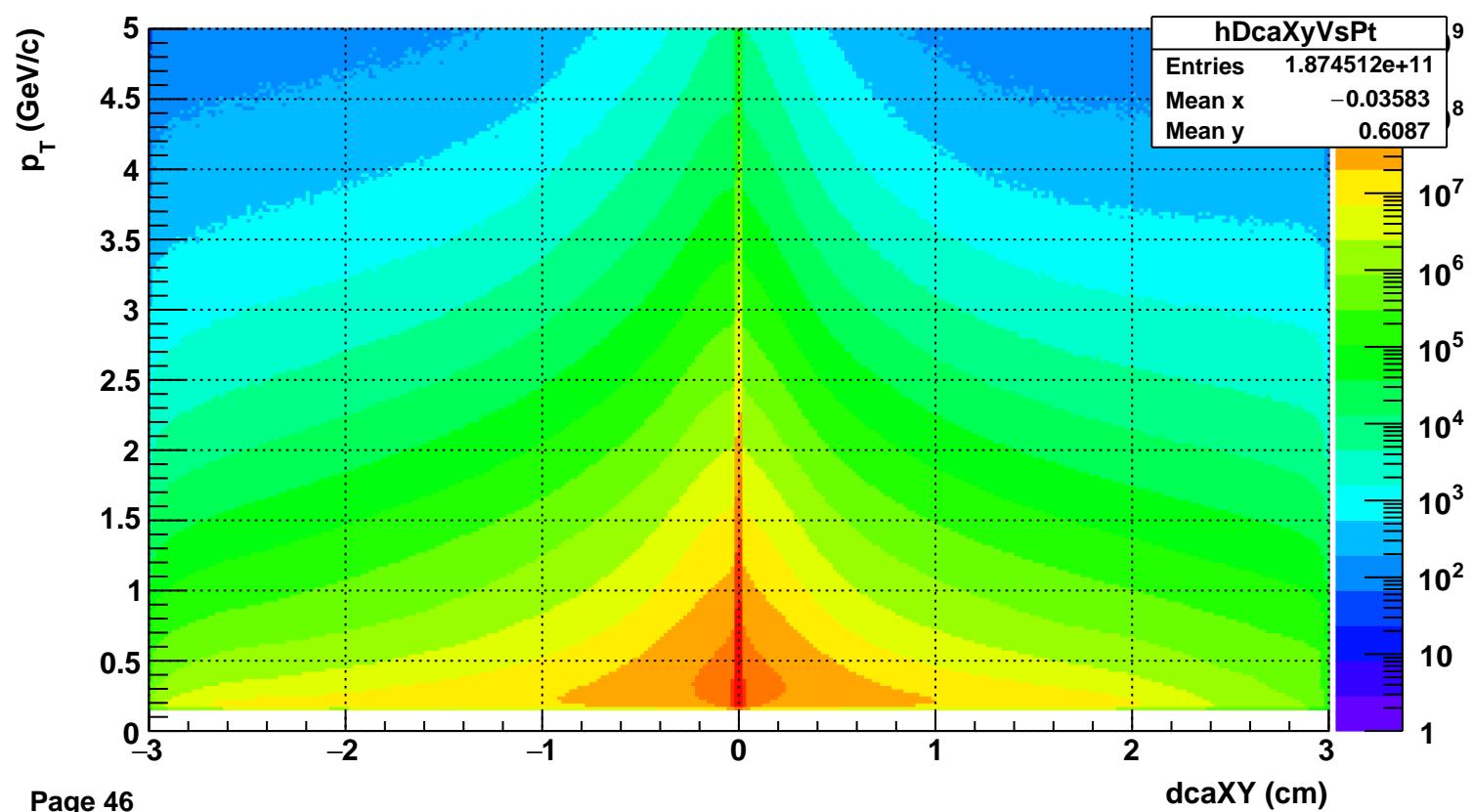
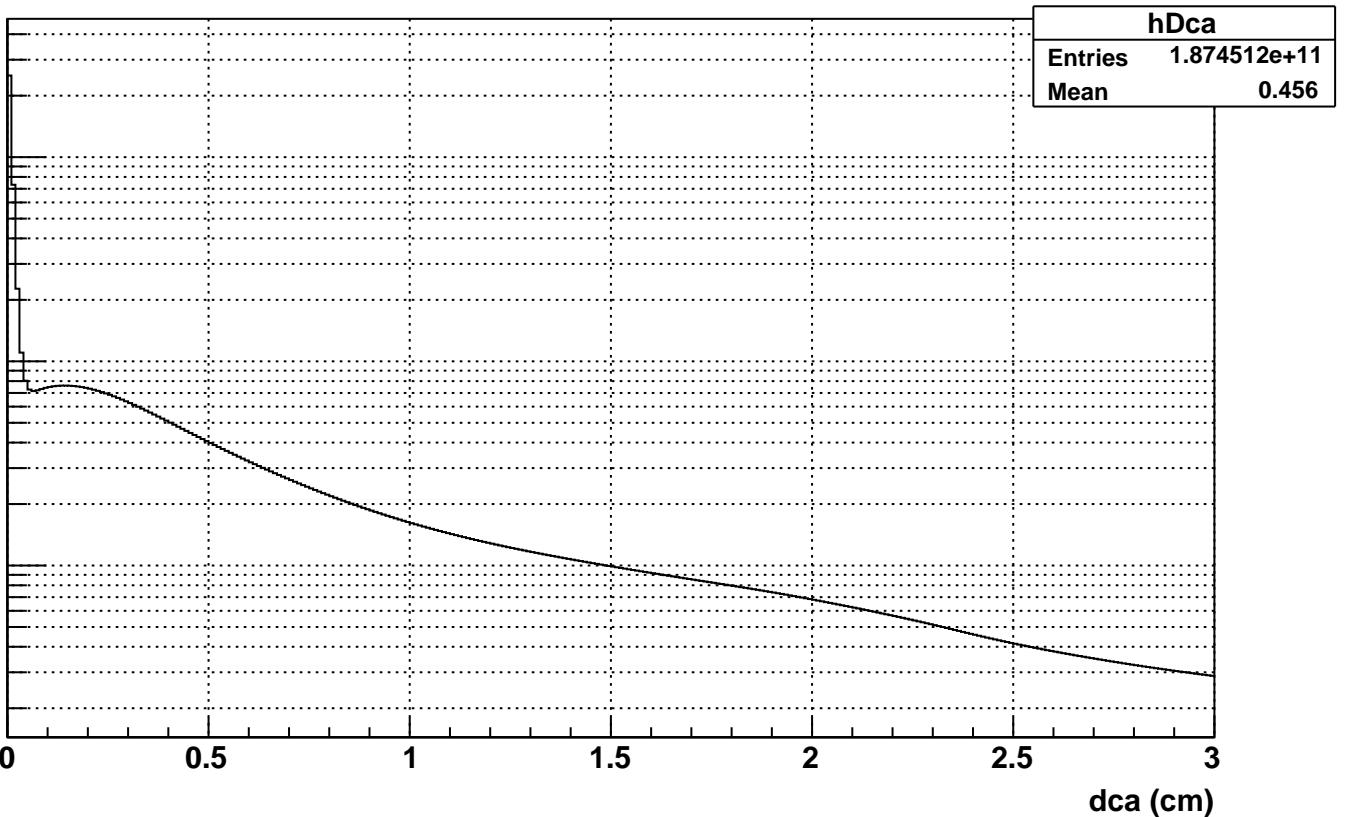


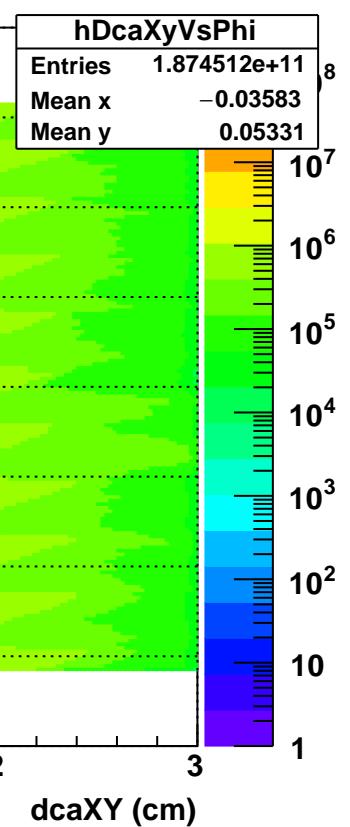
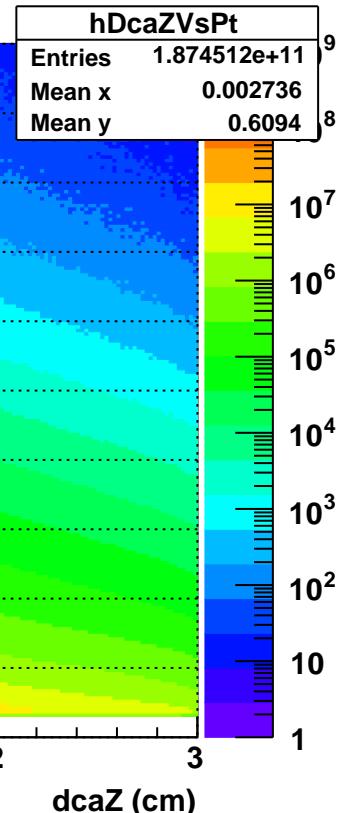


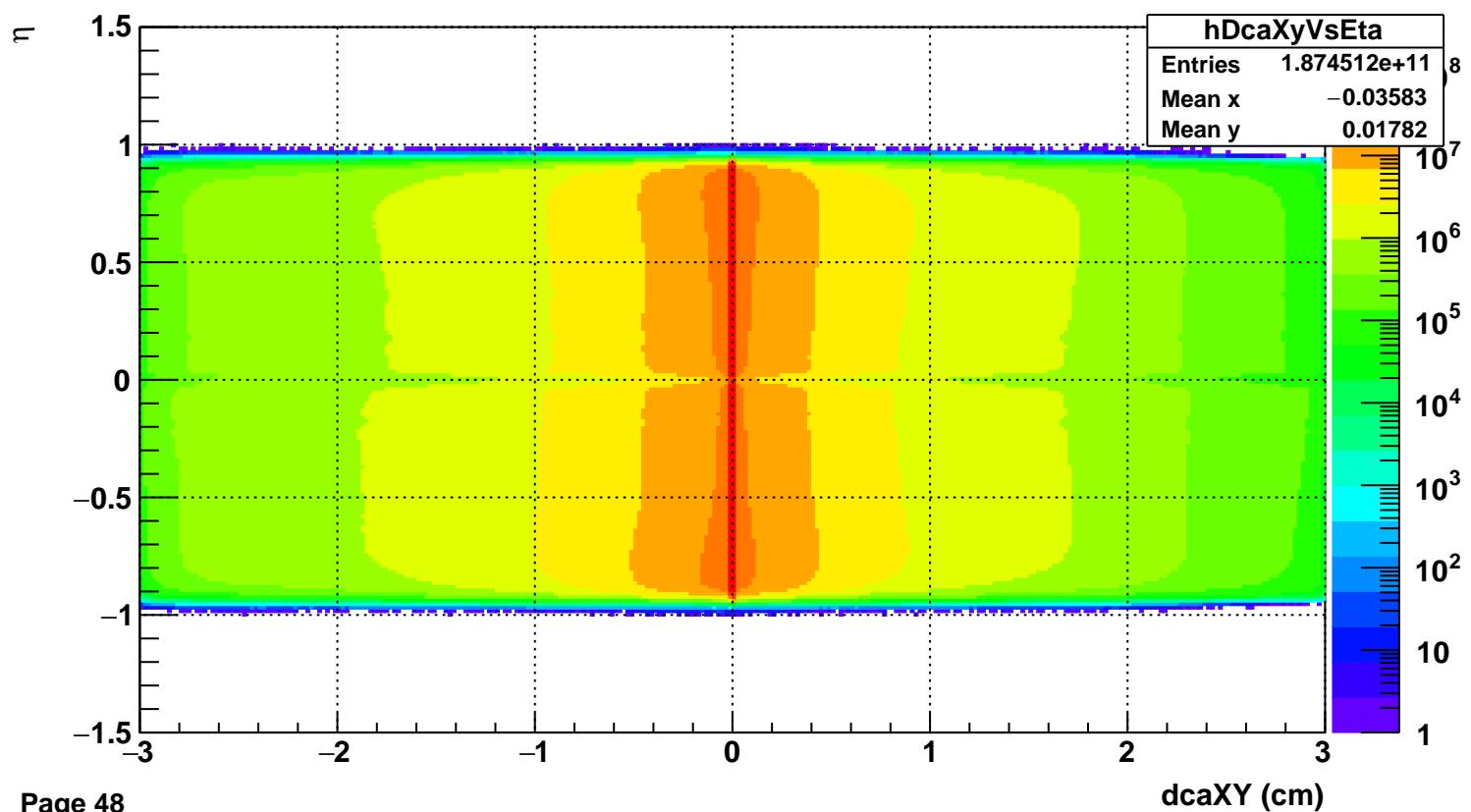
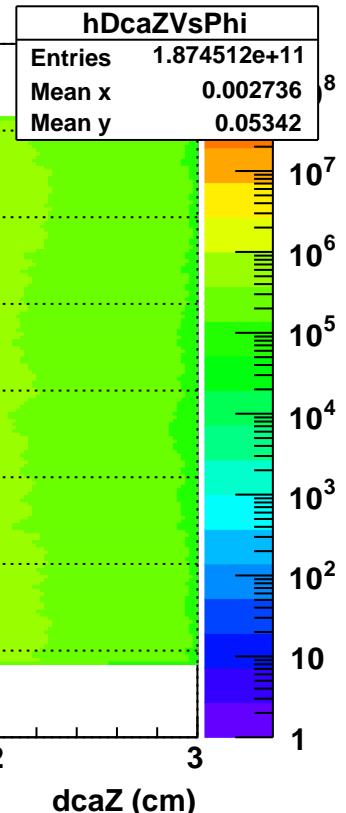


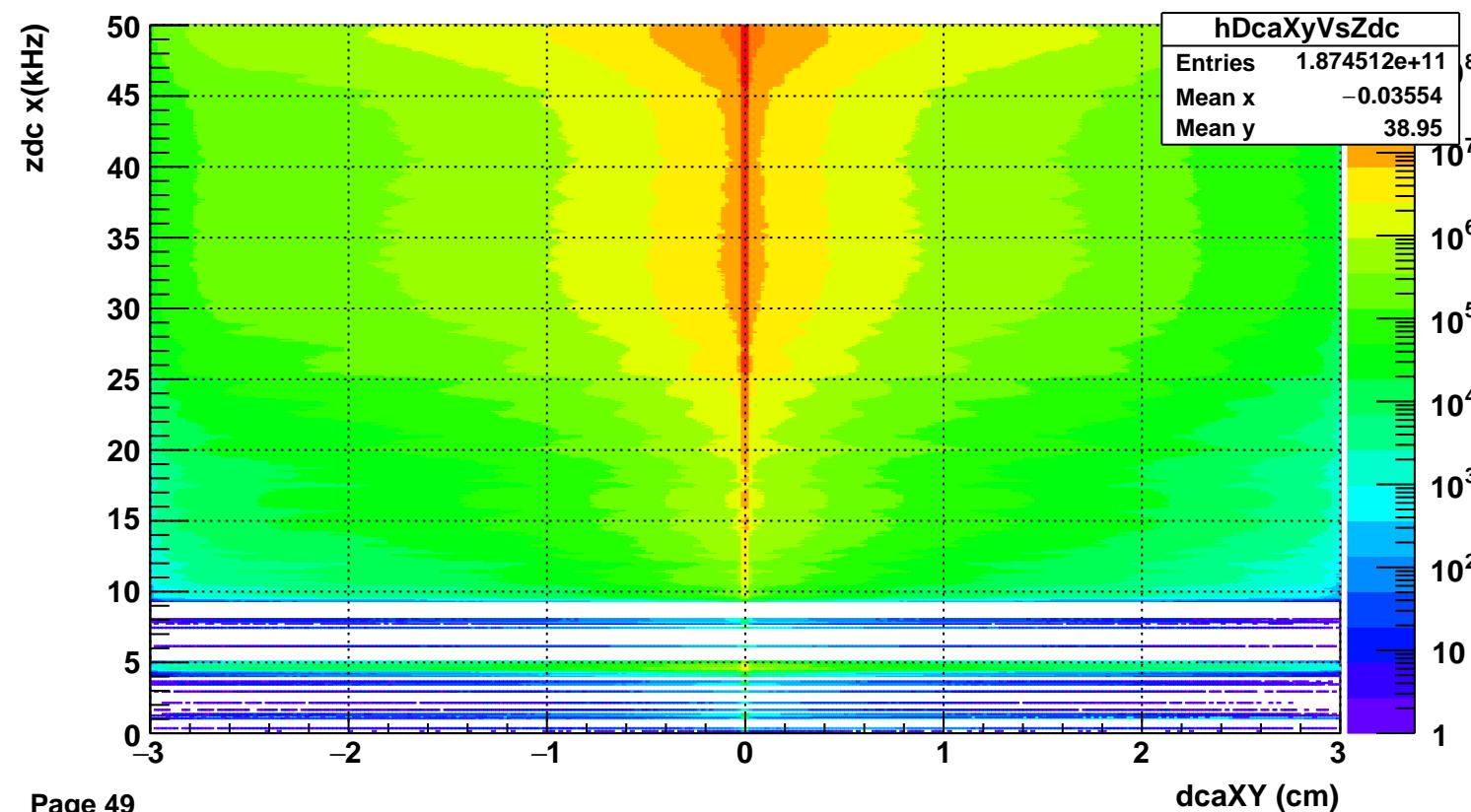
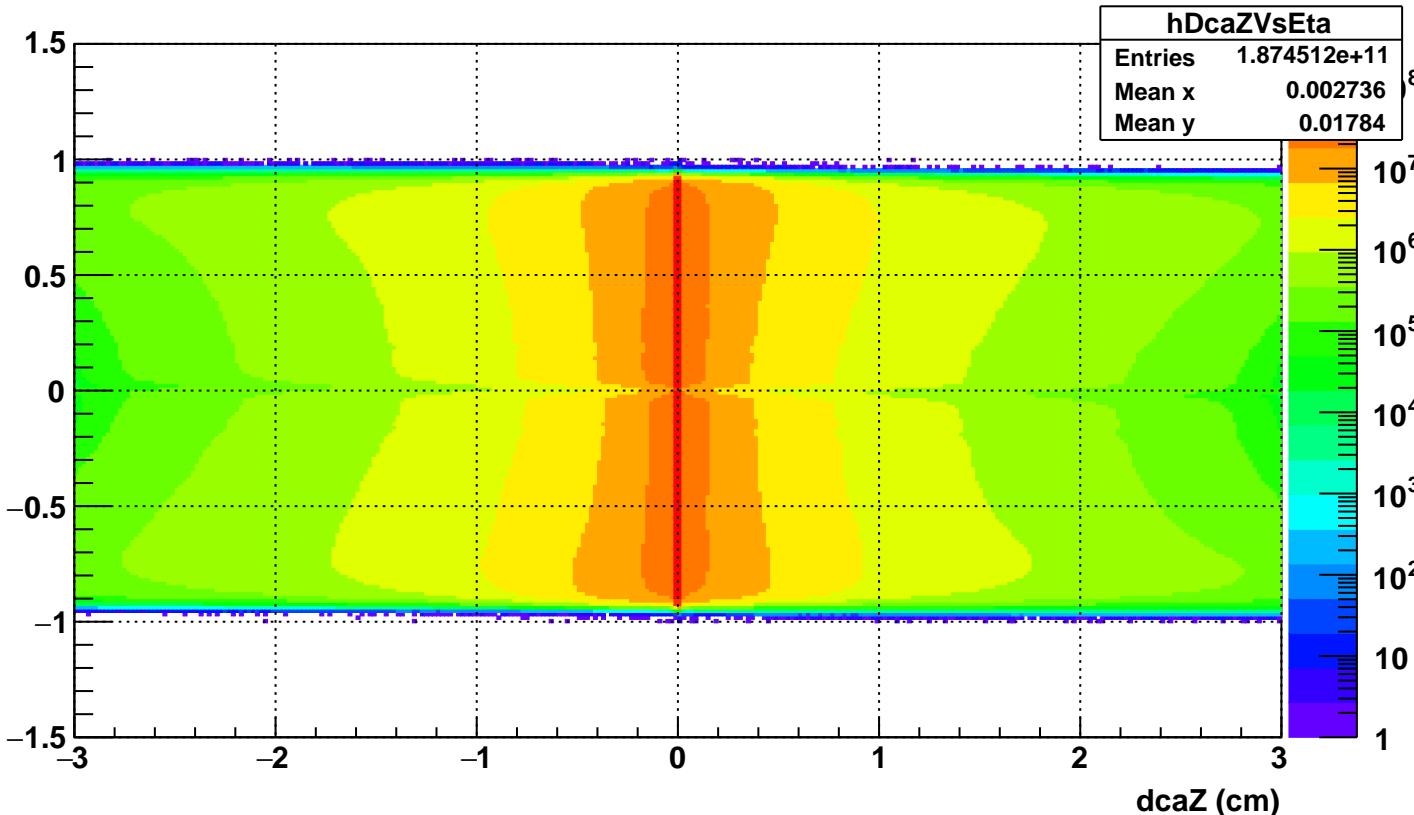


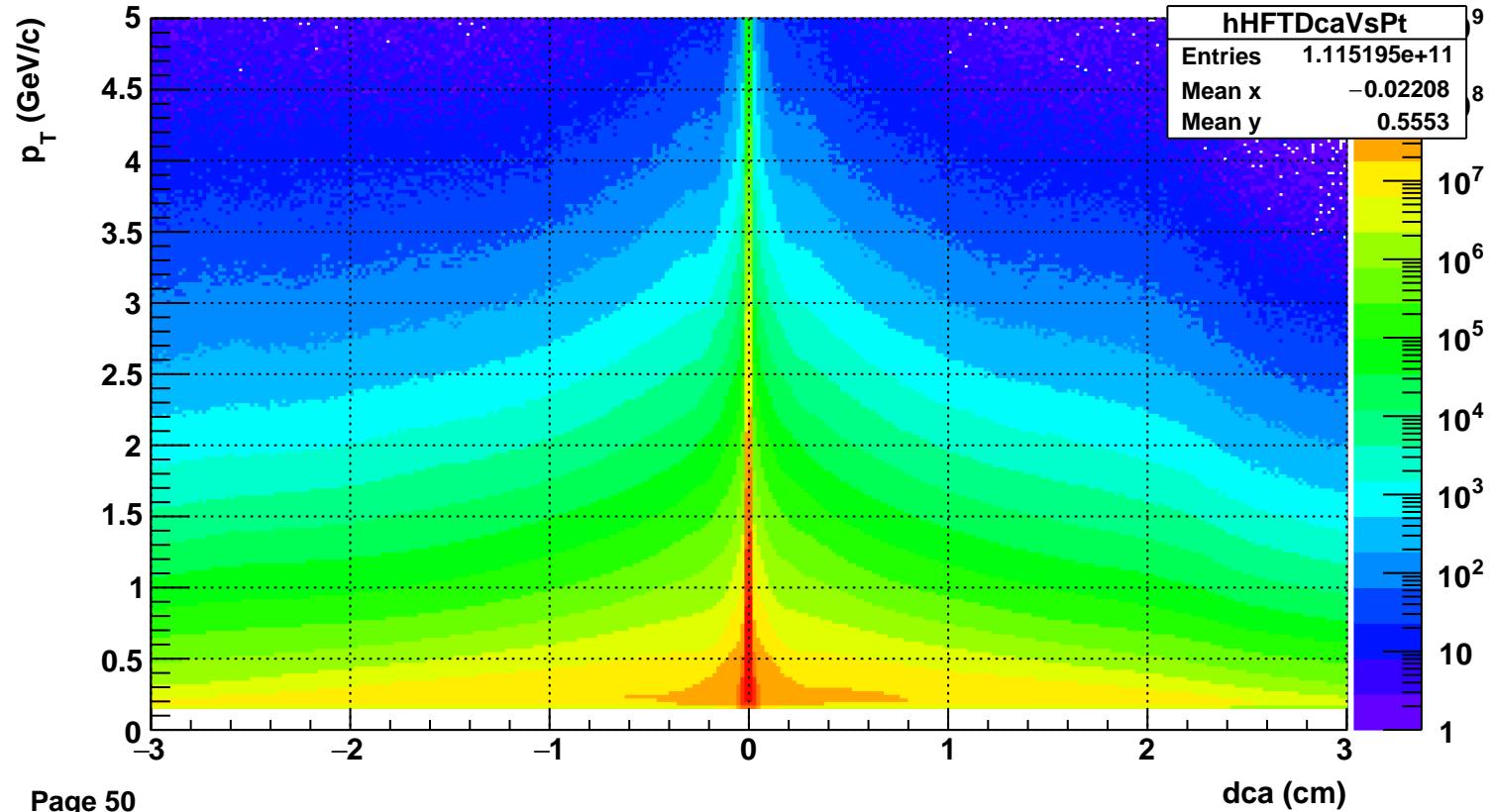
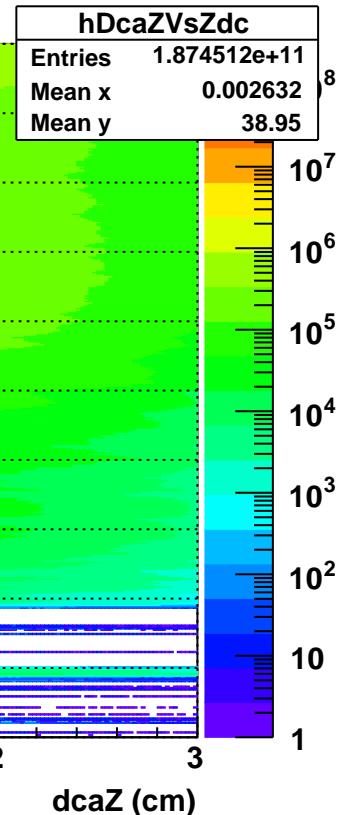








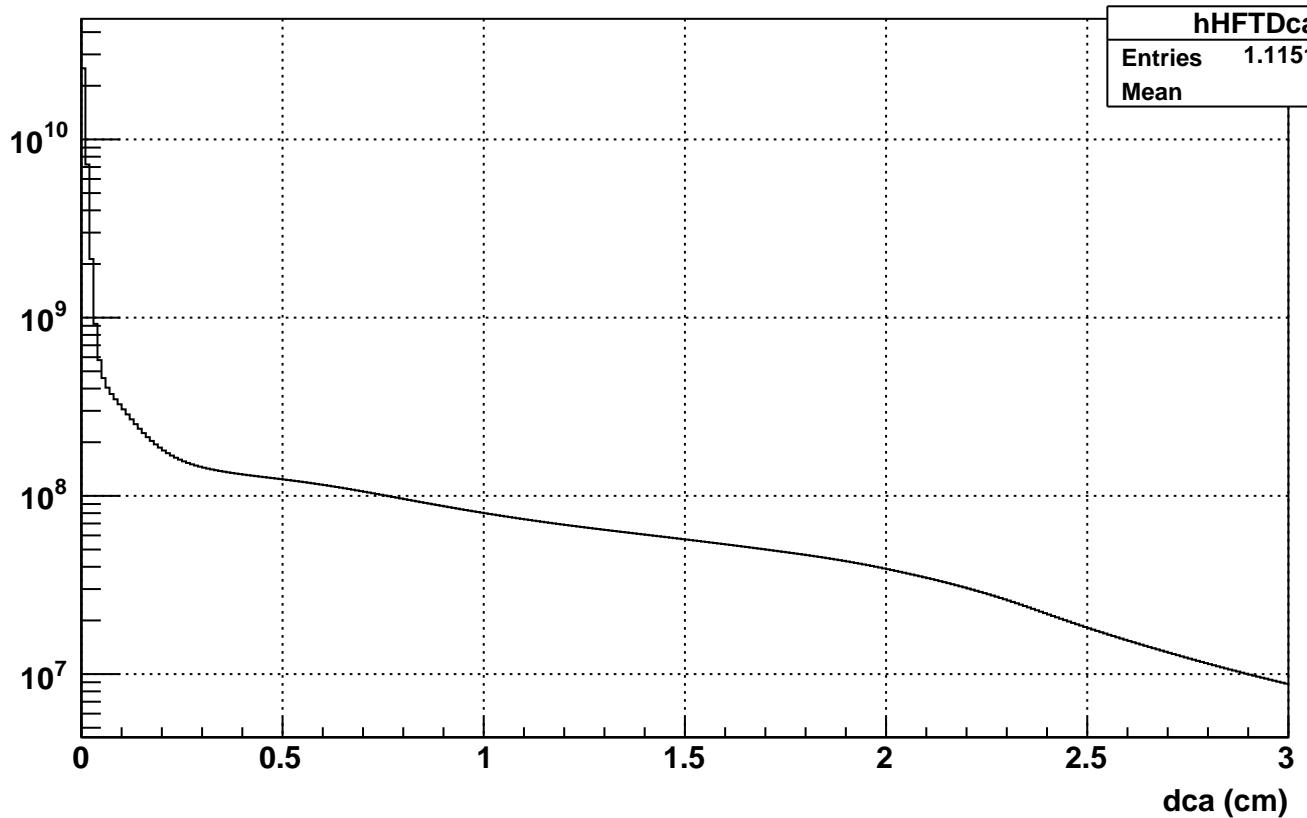




hHFTDca

Entries $1.115195e+11$

Mean 0.3344



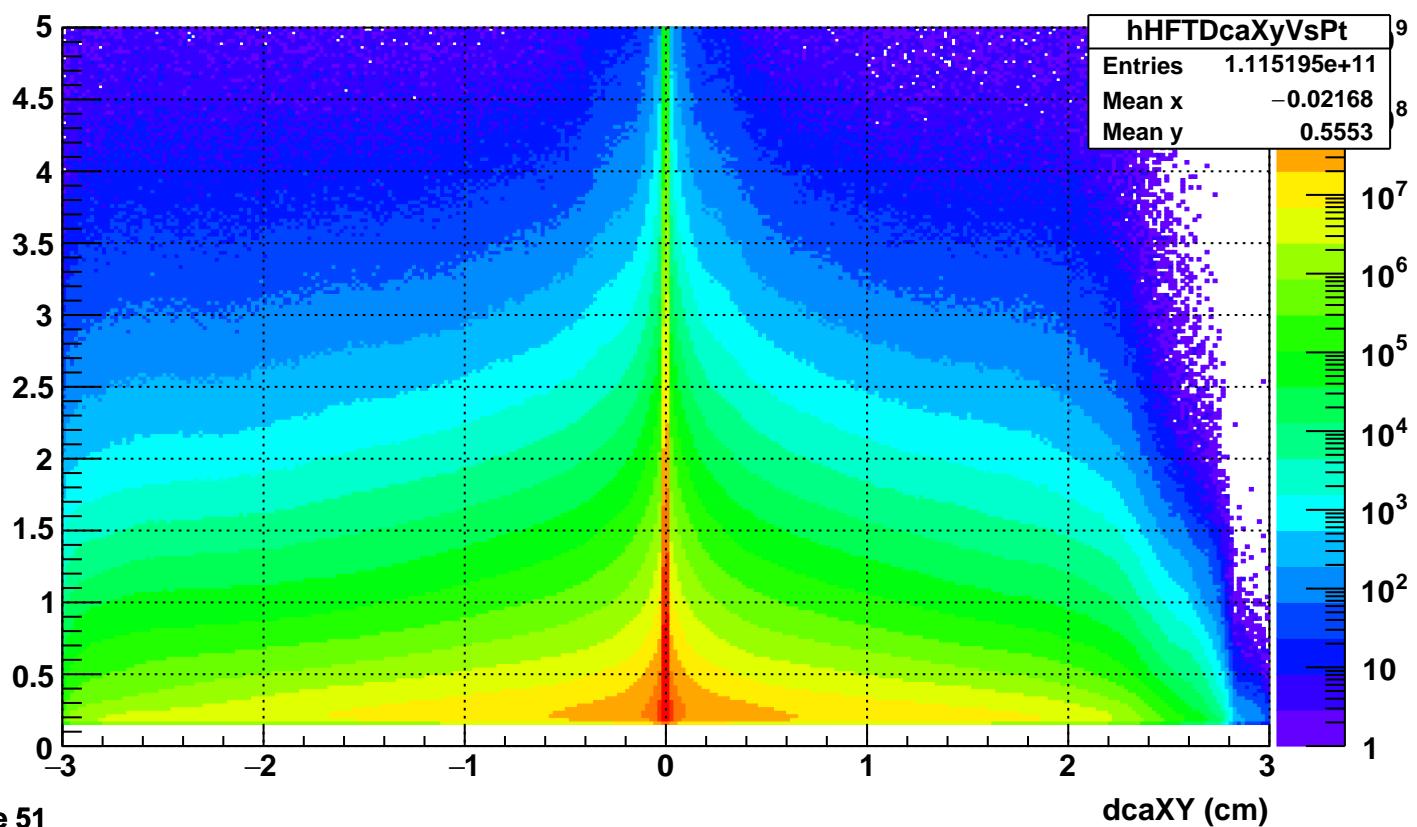
p_T (GeV/c)

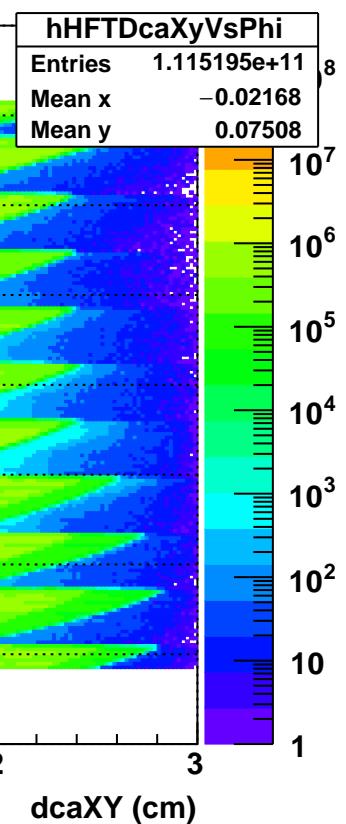
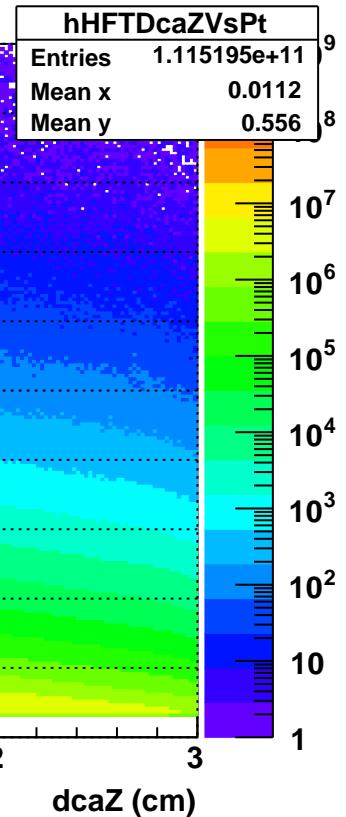
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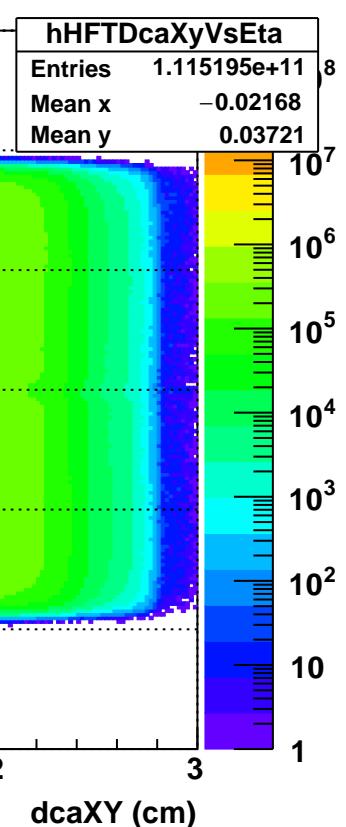
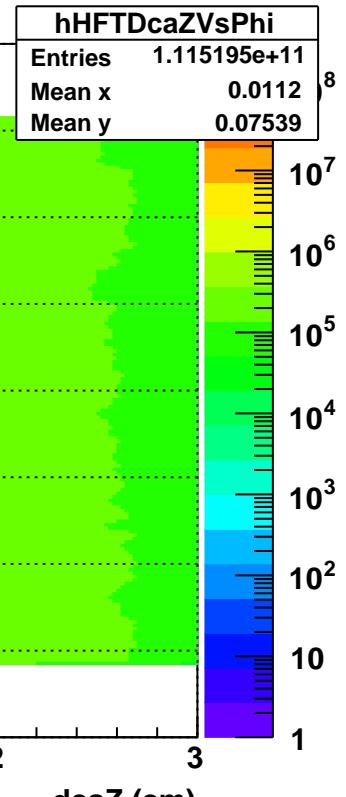
Entries $1.115195e+11$

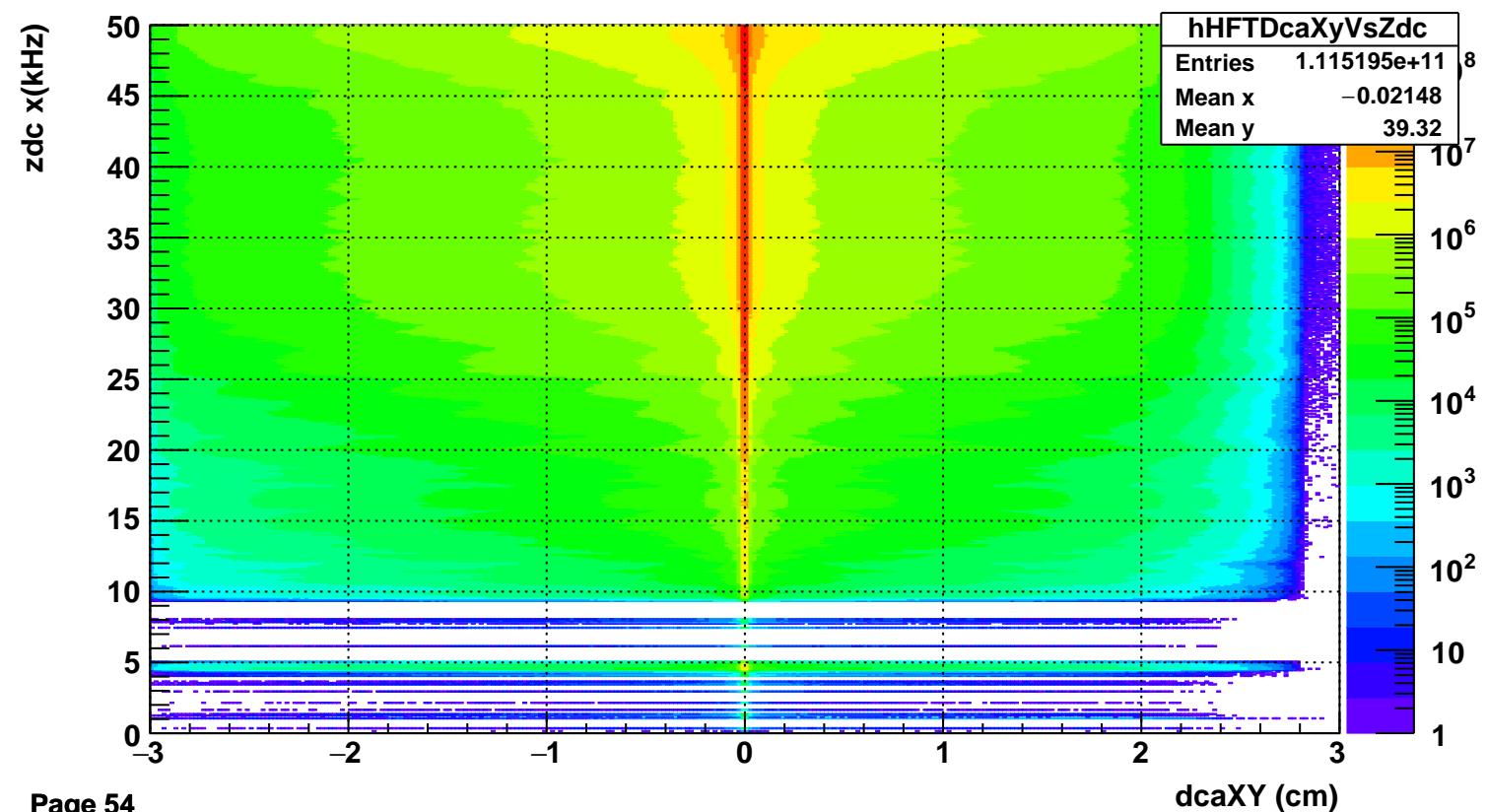
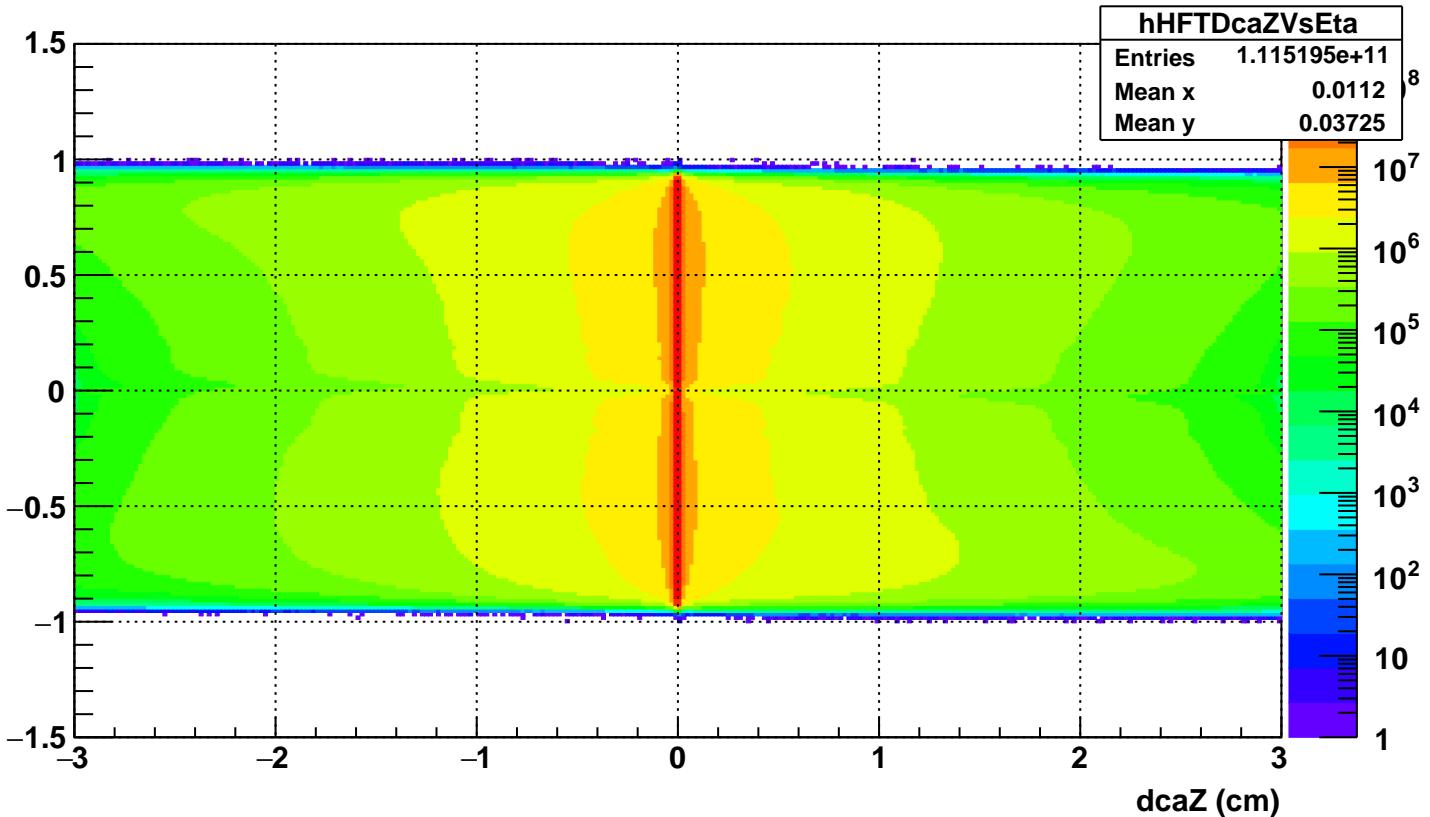
Mean x -0.02168

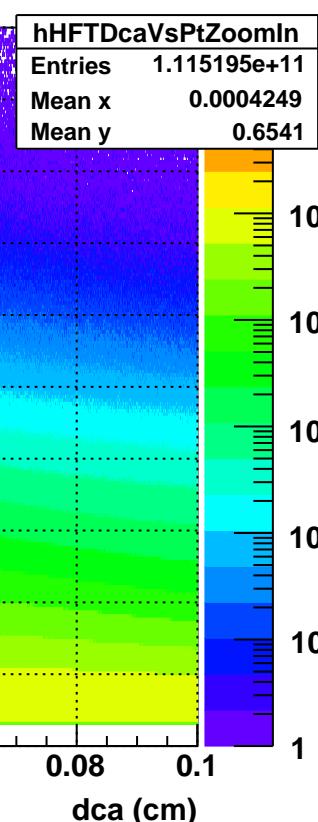
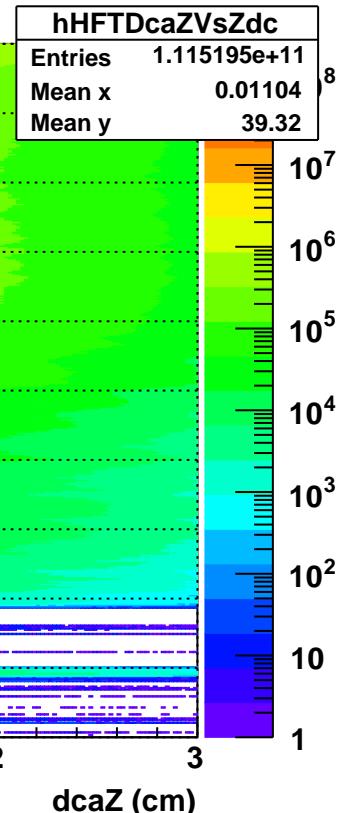
Mean y 0.5553

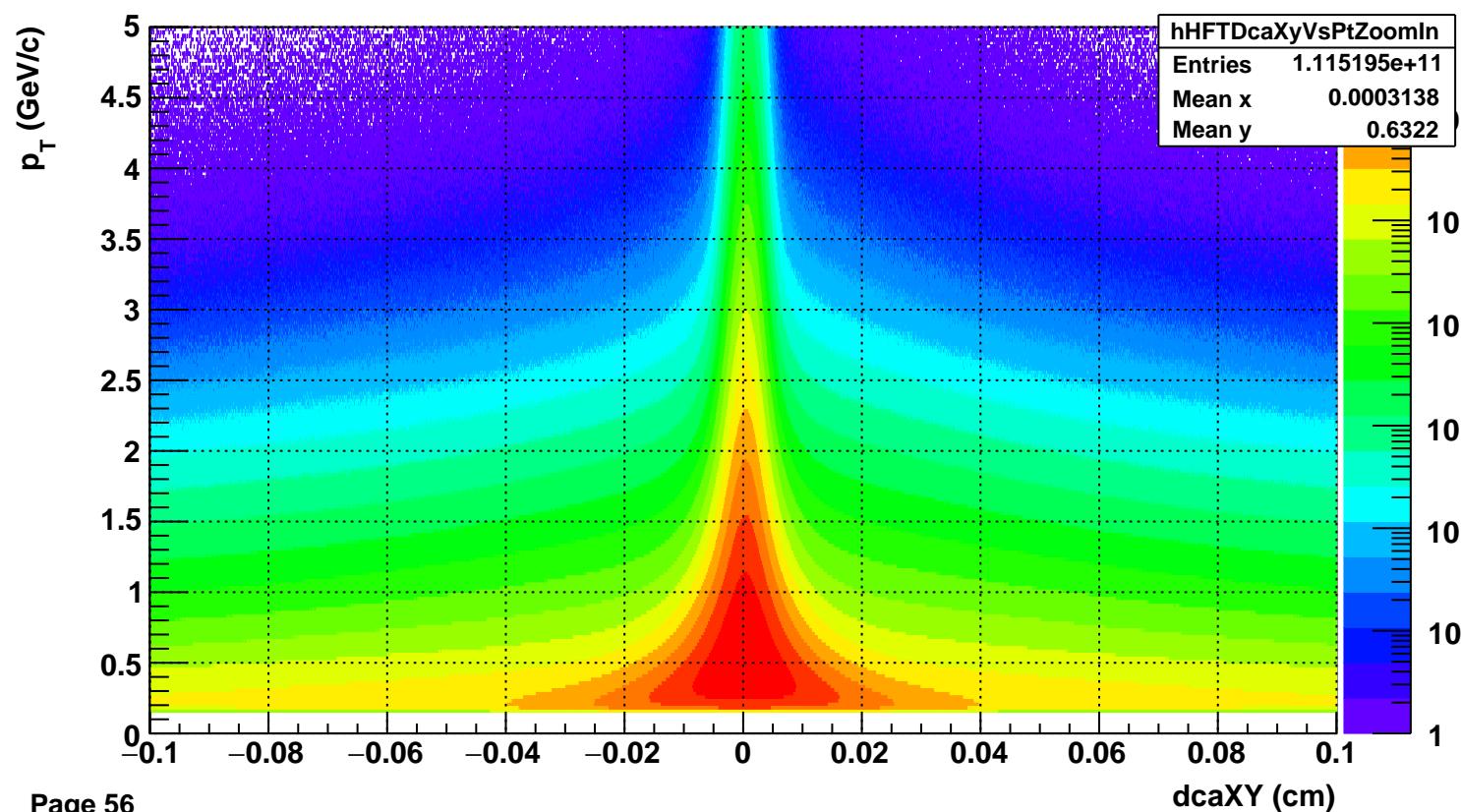
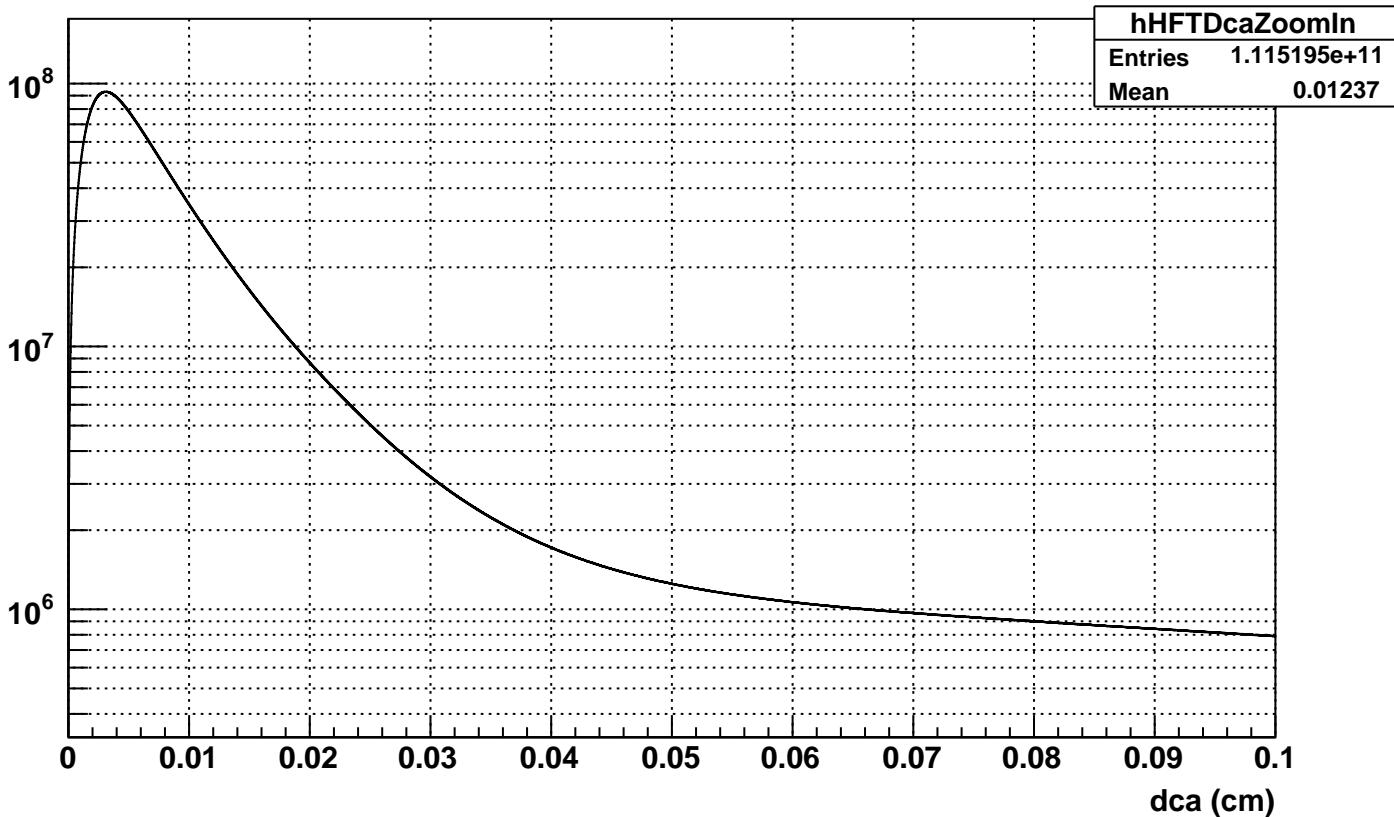






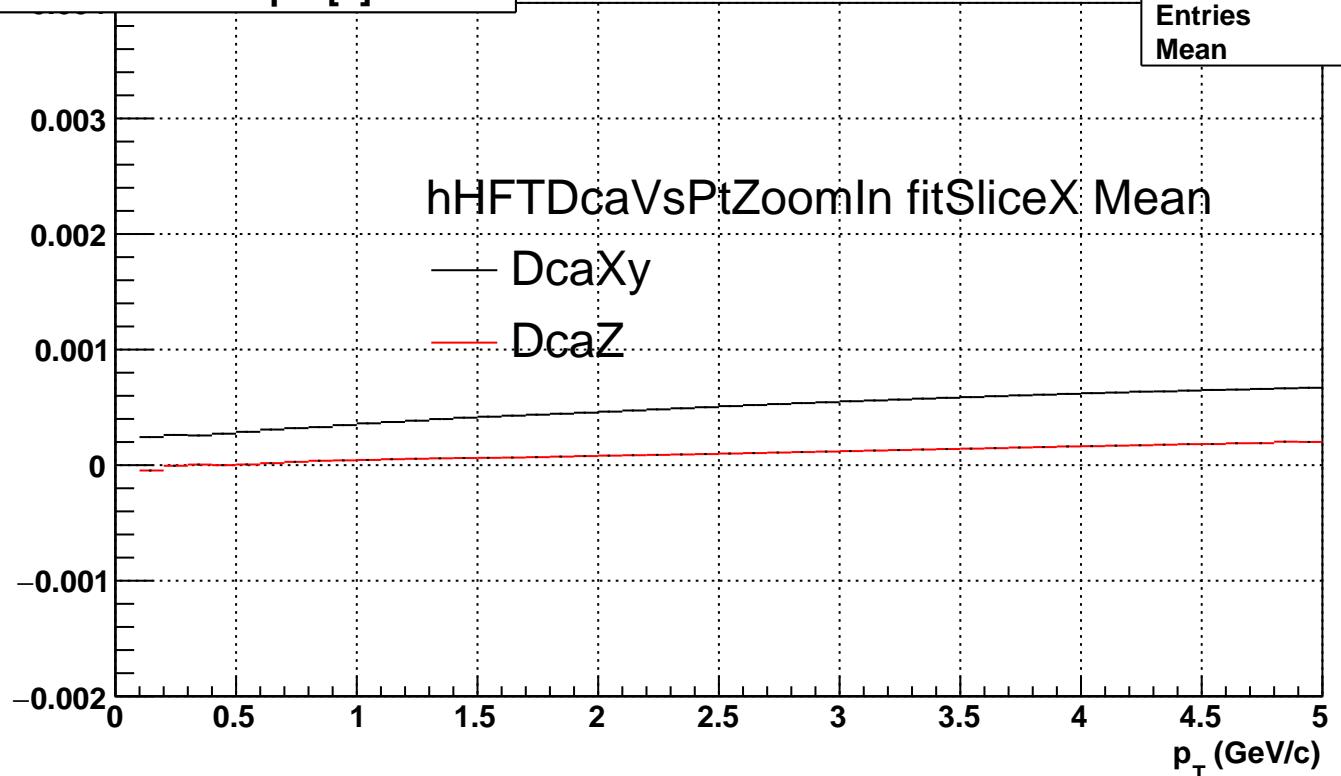






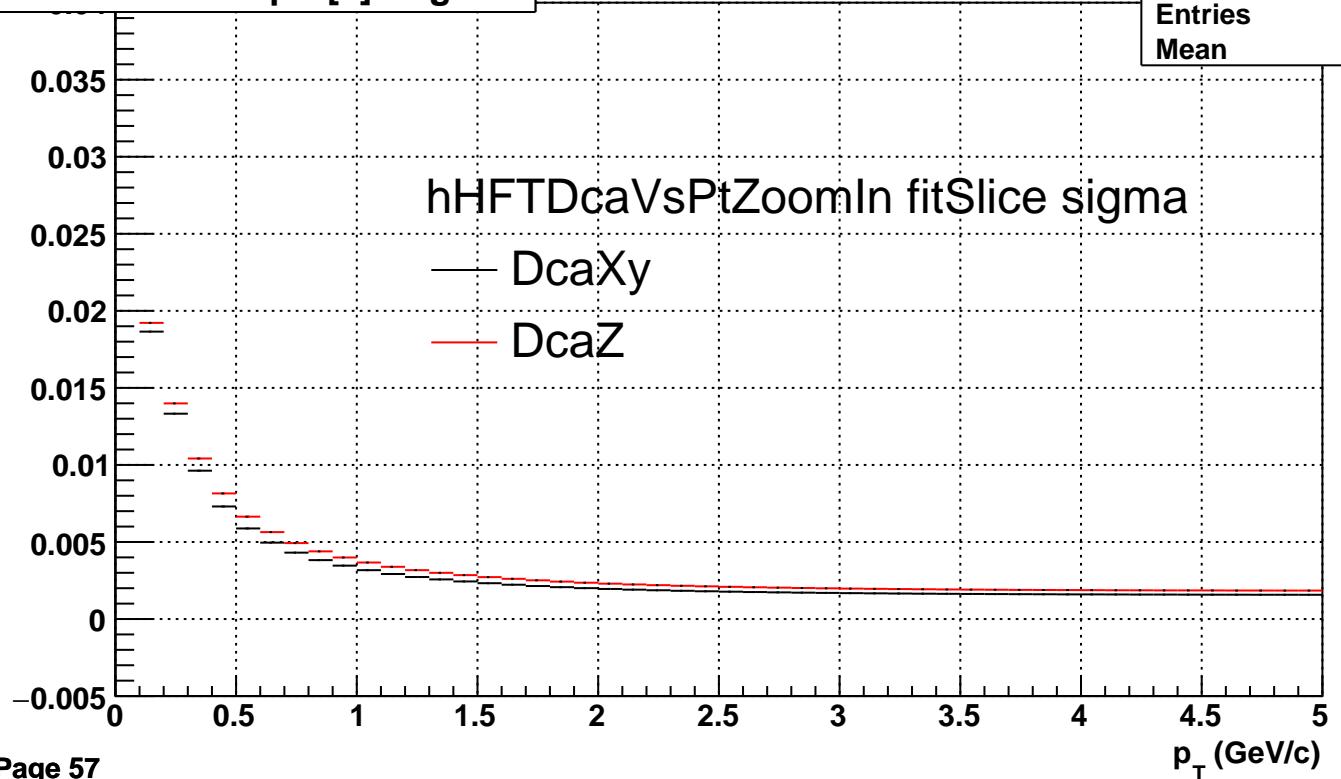
Fitted value of par[1]=Mean

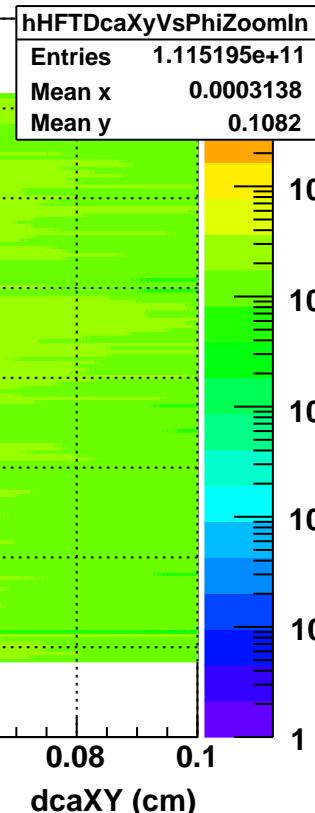
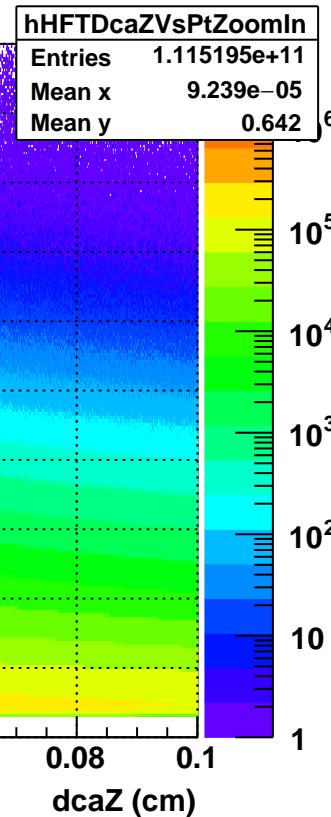
hHFTDcaXyVsPtZoomIn_1
Entries 50
Mean 2.91



Fitted value of par[2]=Sigma

hHFTDcaXyVsPtZoomIn_2
Entries 50
Mean 1.629





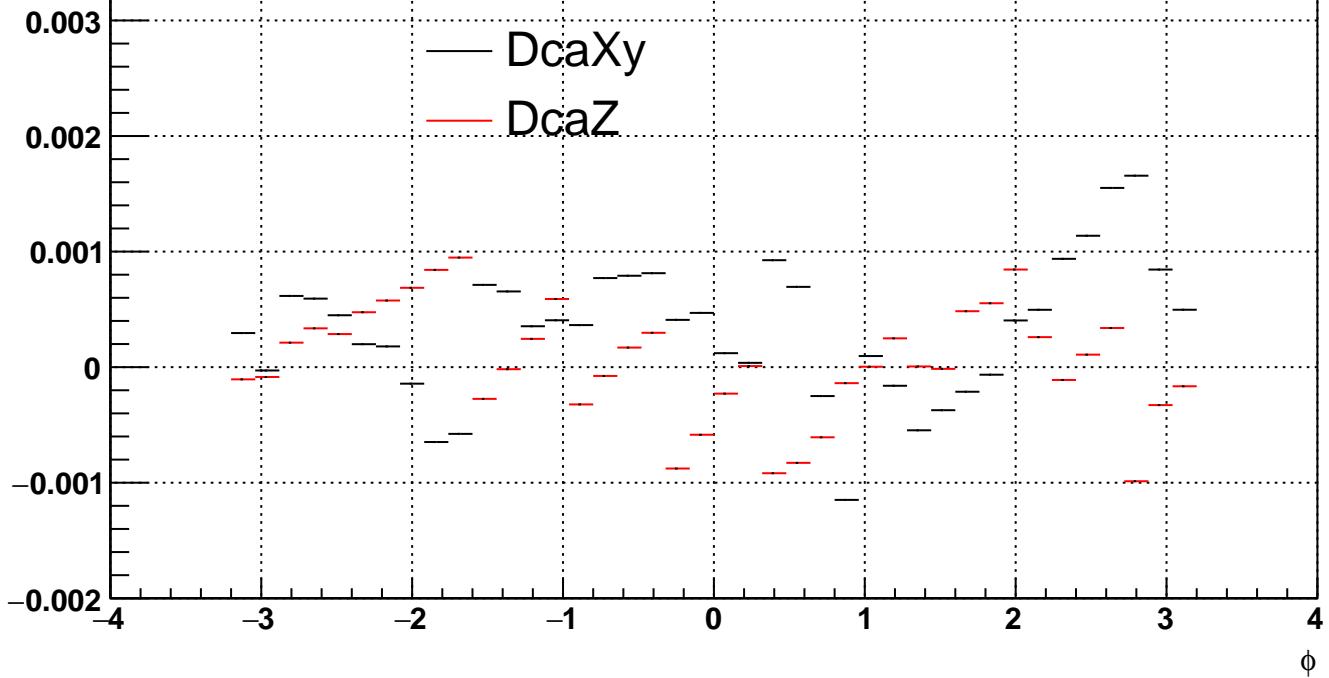
Fitted value of par[1]=Mean

hHFTDcaXyVsPhiZoomIn_1	
Entries	40
Mean	0.685

hHFTDcaVsPhiZoomIn fitSliceX Mean

— DcaXy

— DcaZ



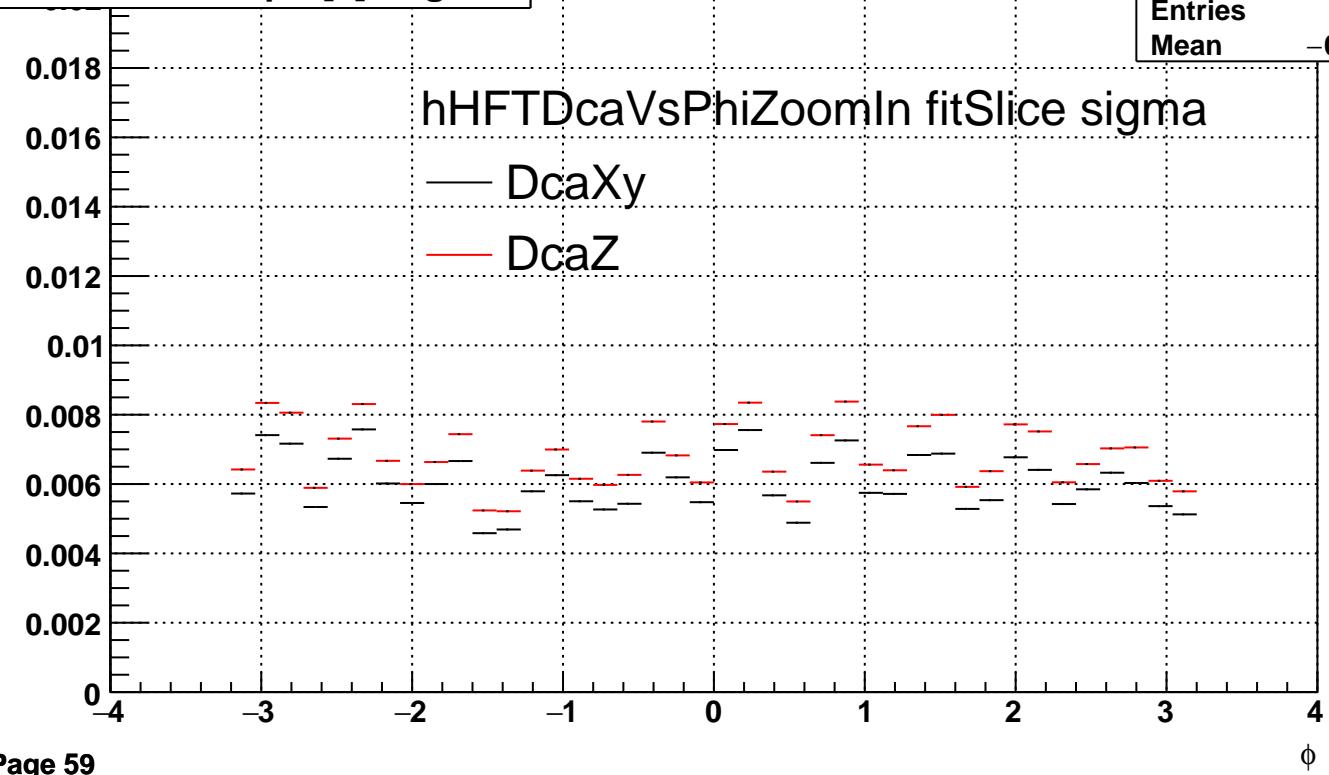
Fitted value of par[2]=Sigma

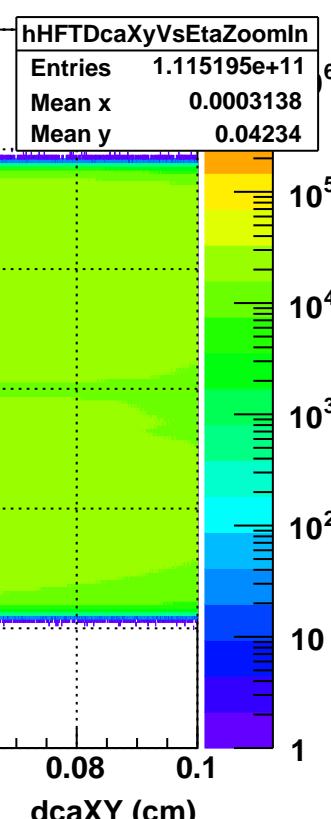
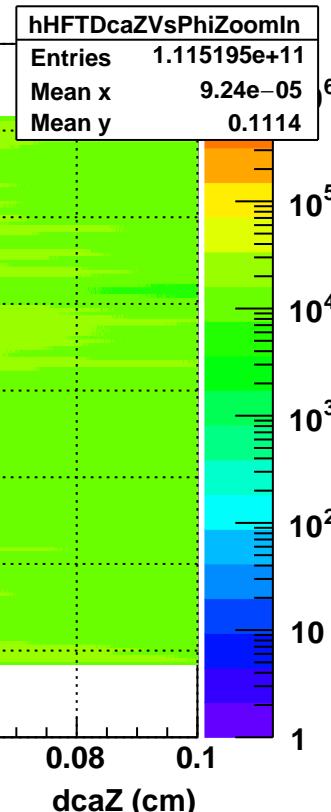
hHFTDcaXyVsPhiZoomIn_2	
Entries	40
Mean	-0.03061

hHFTDcaVsPhiZoomIn fitSlice sigma

— DcaXy

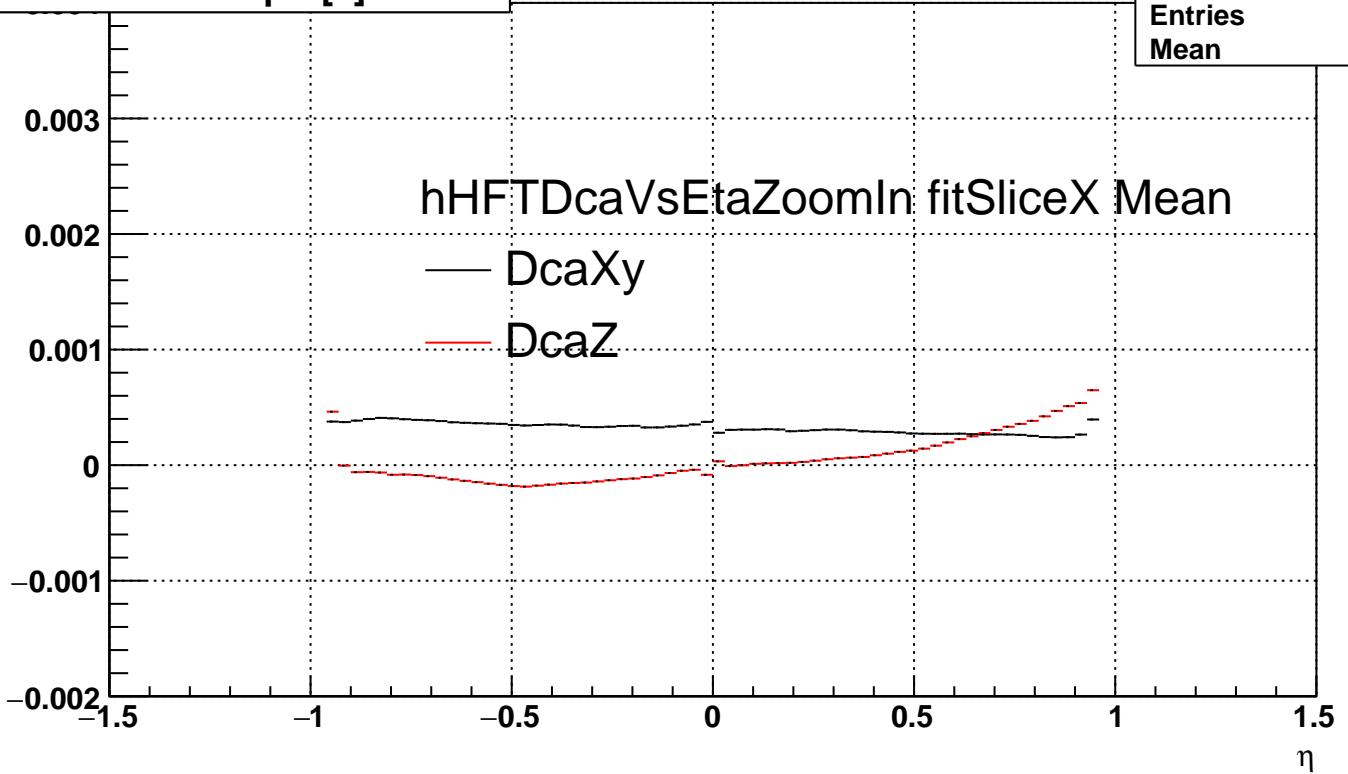
— DcaZ





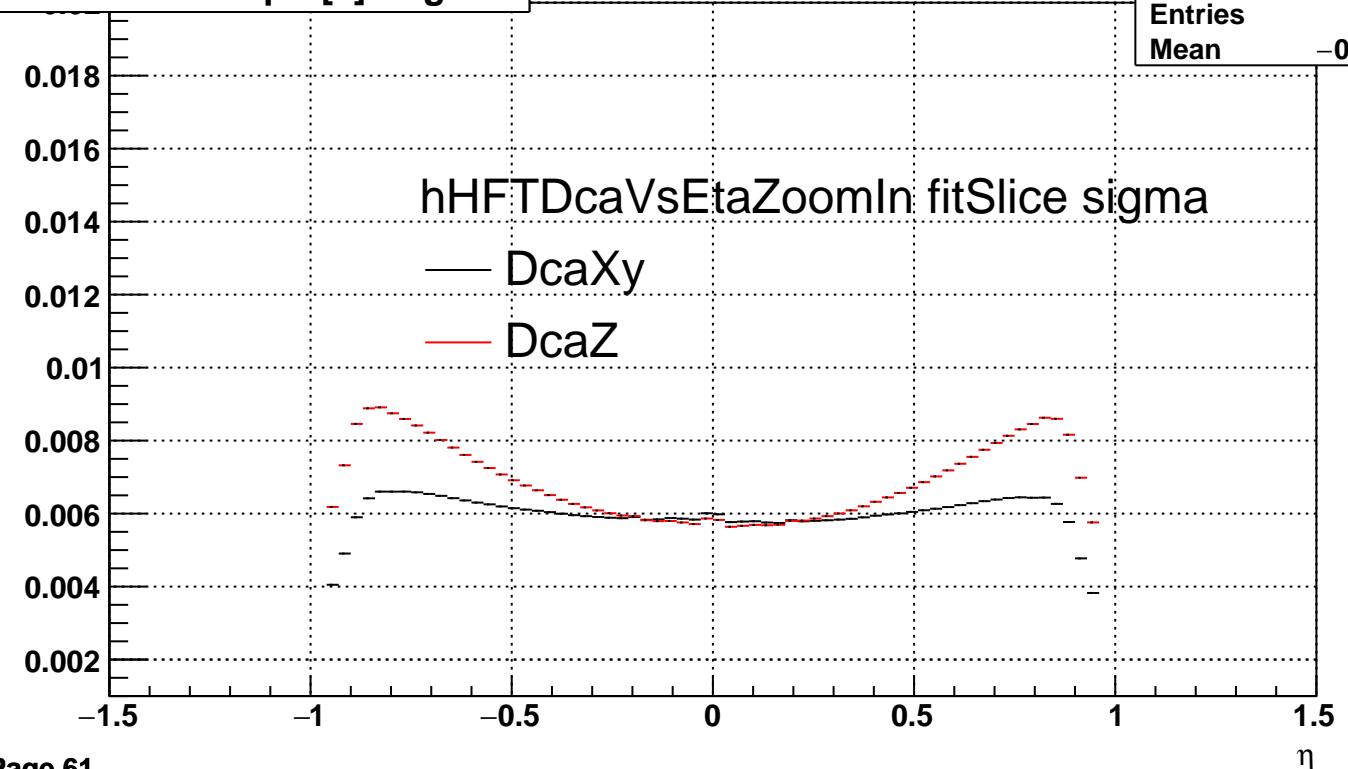
Fitted value of par[1]=Mean

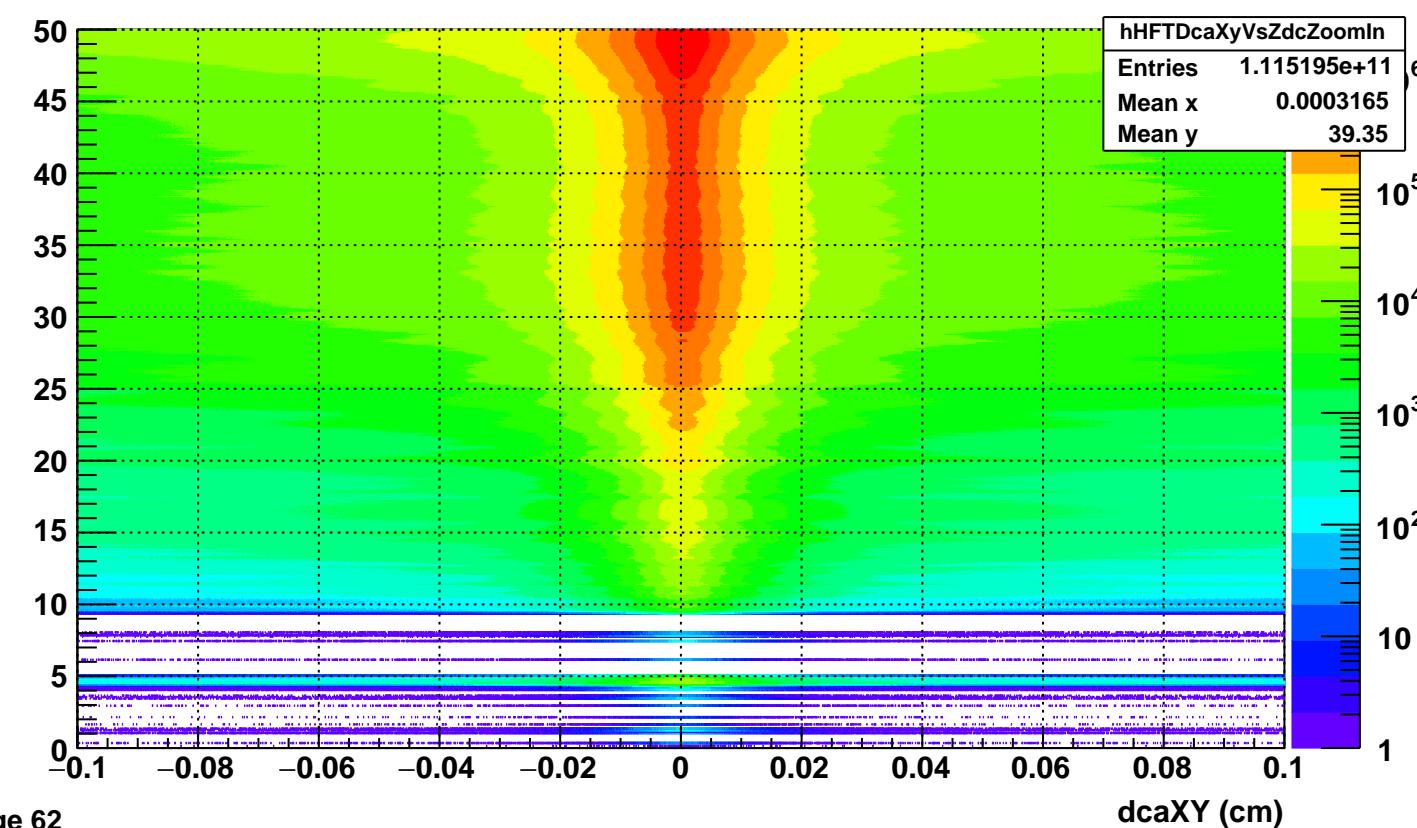
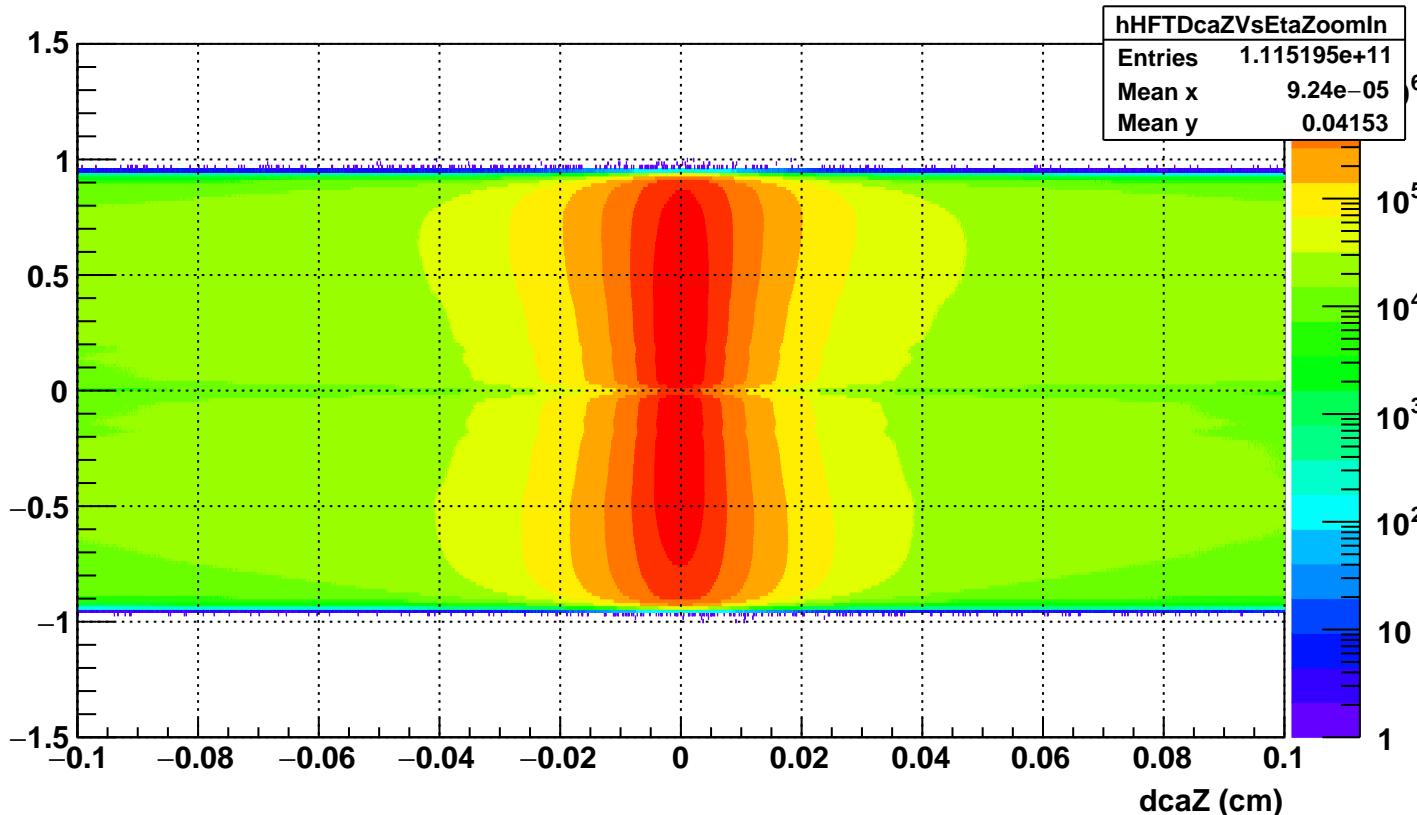
hHFTDcaXyVsEtaZoomIn_1	
Entries	67
Mean	3.32



Fitted value of par[2]=Sigma

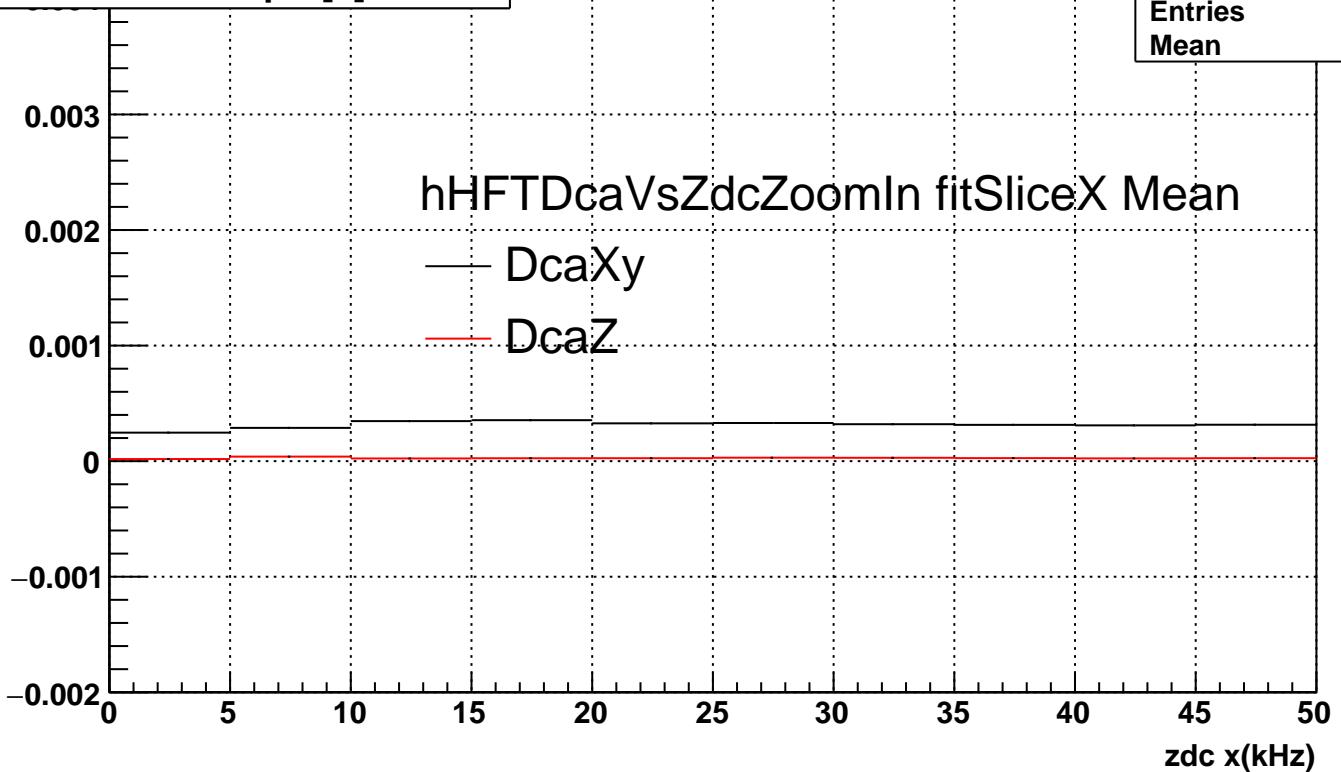
hHFTDcaXyVsEtaZoomIn_2	
Entries	67
Mean	-0.1892





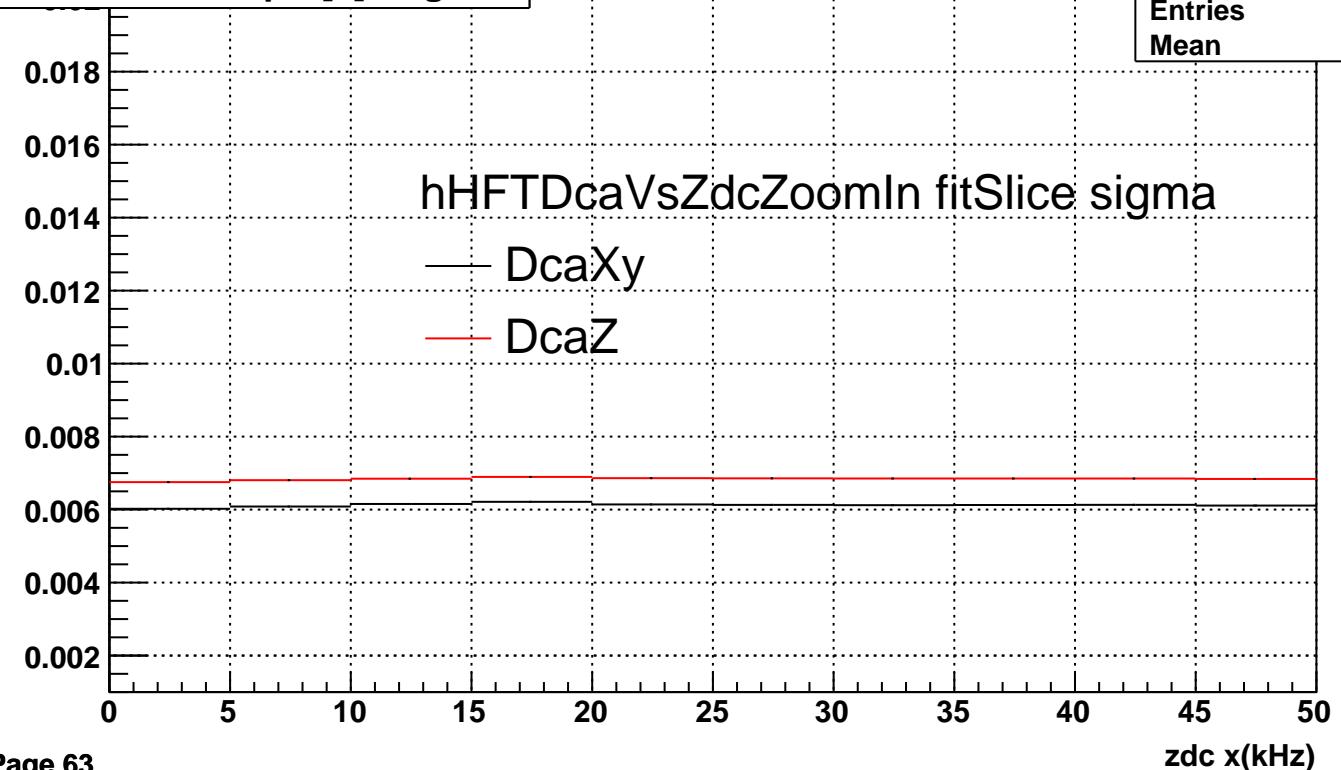
Fitted value of par[1]=Mean

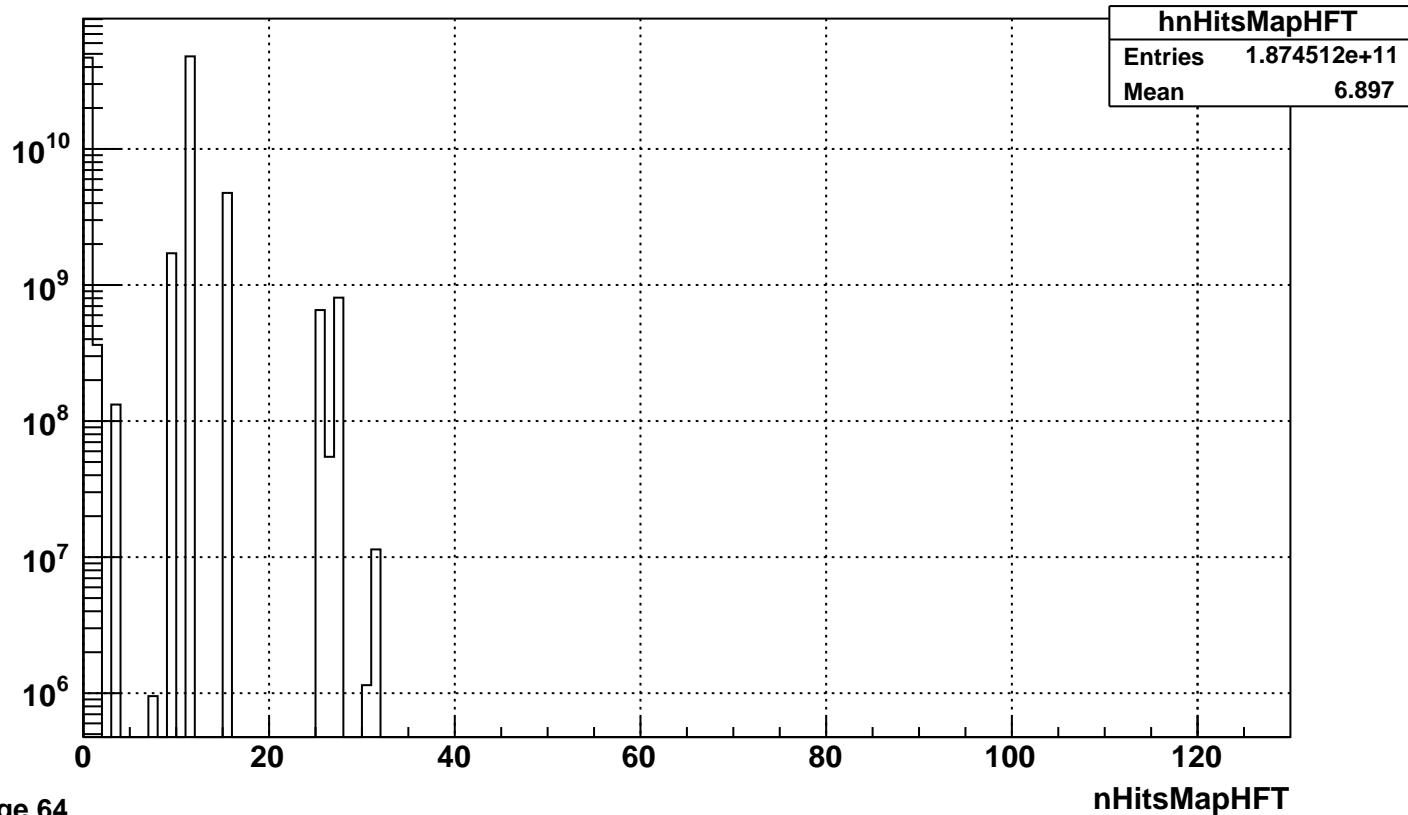
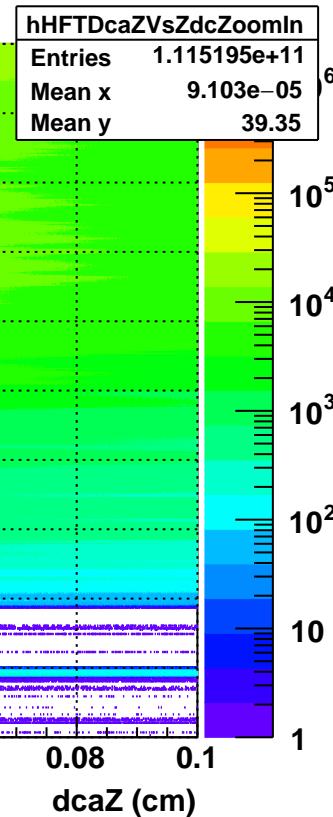
hHFTDcaXyVsZdcZoomIn_1	
Entries	11
Mean	25.4

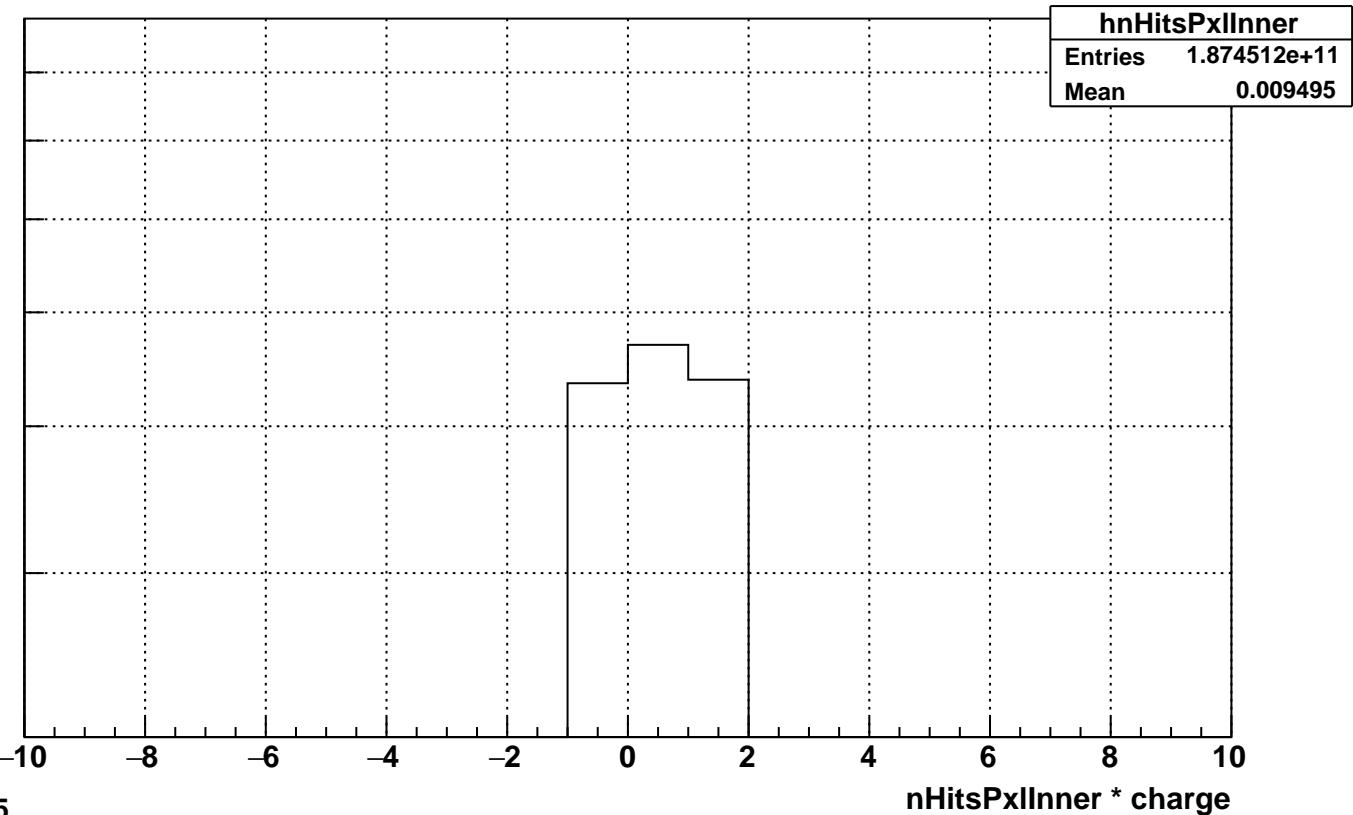
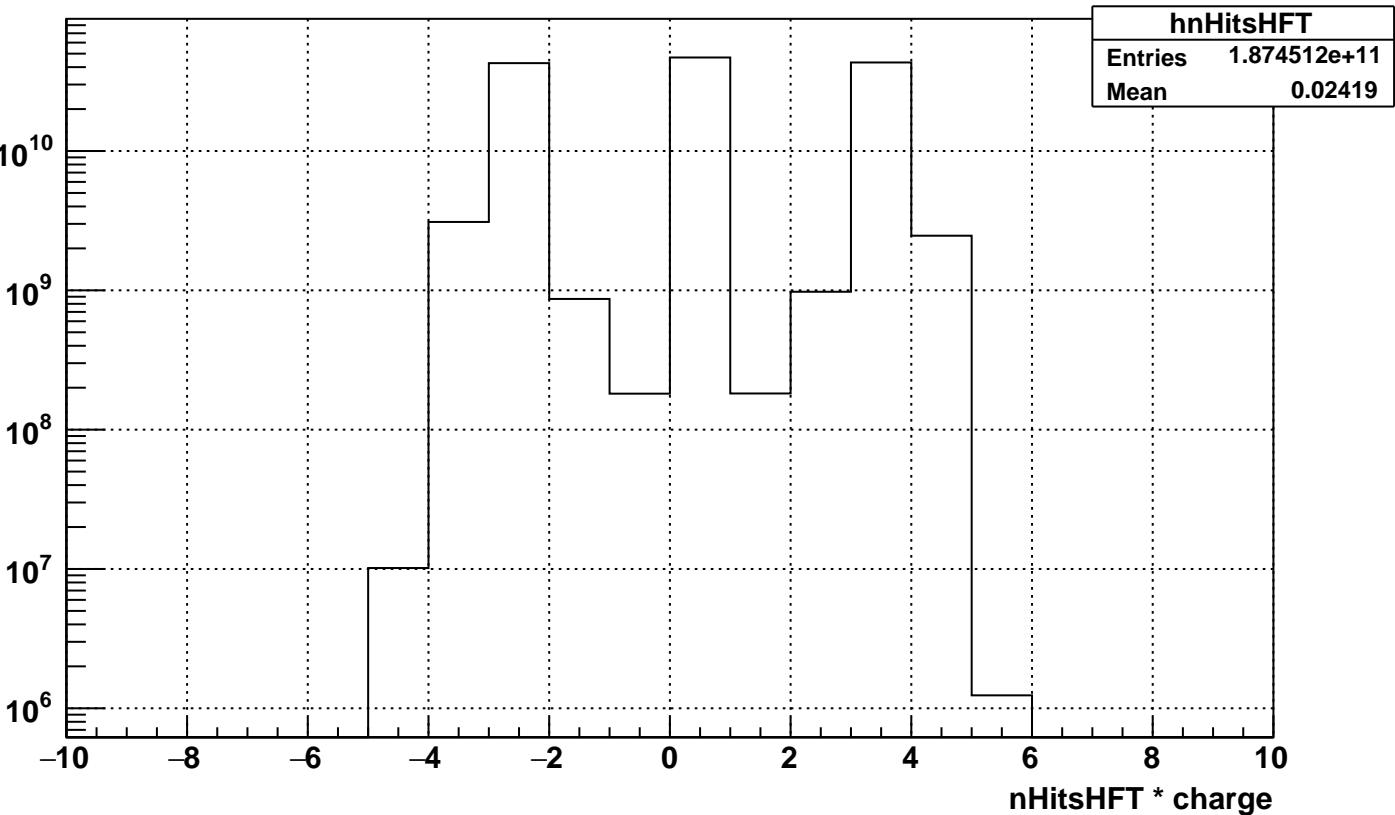


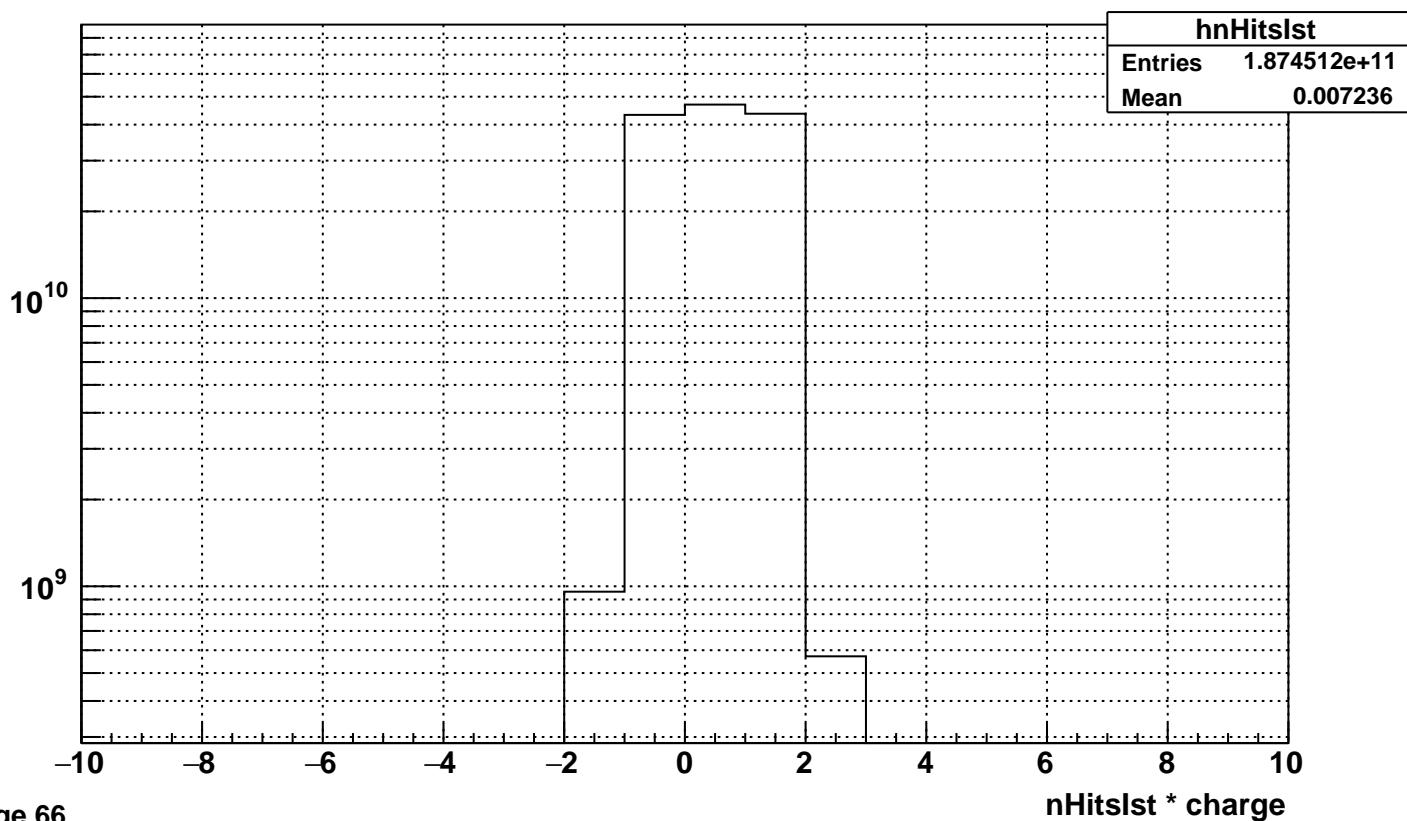
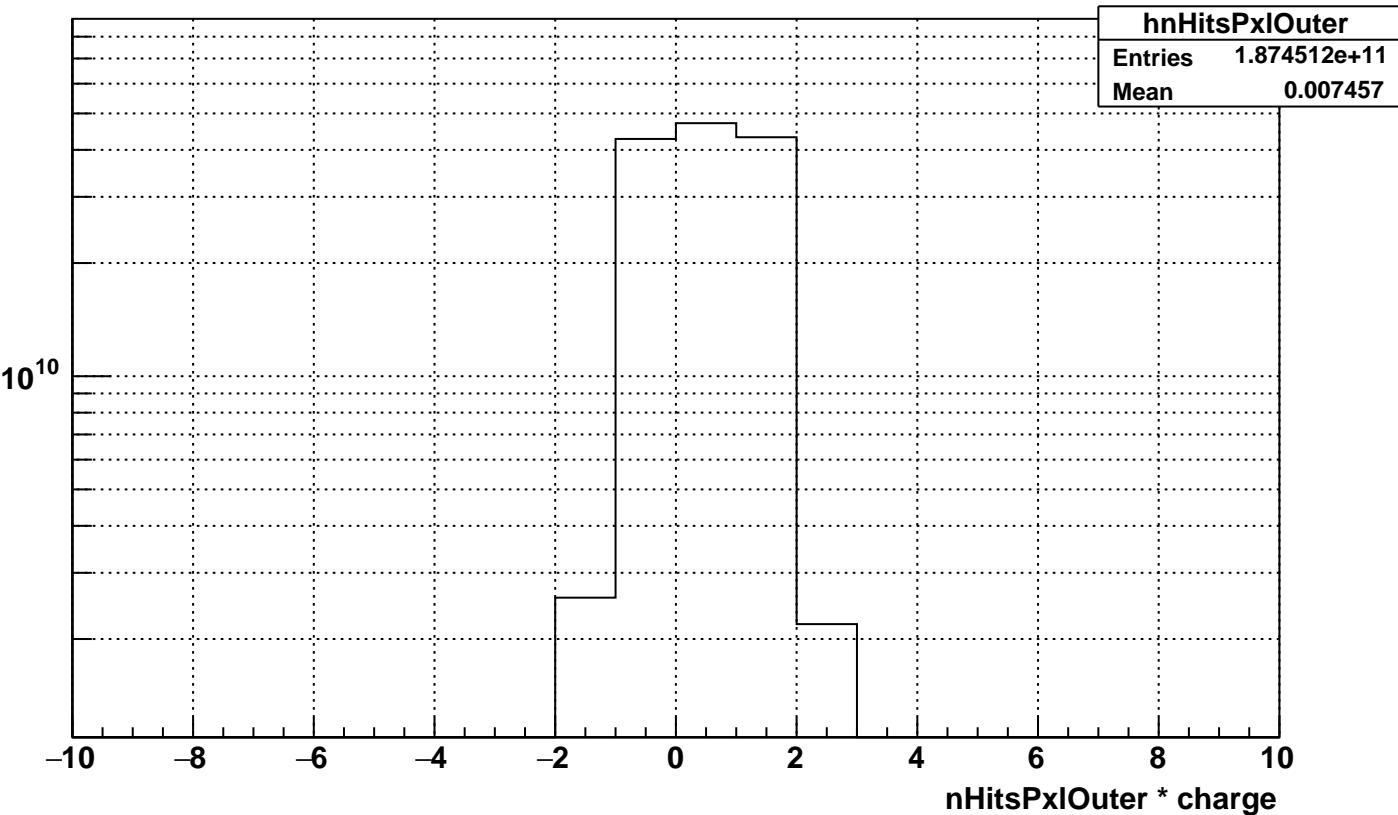
Fitted value of par[2]=Sigma

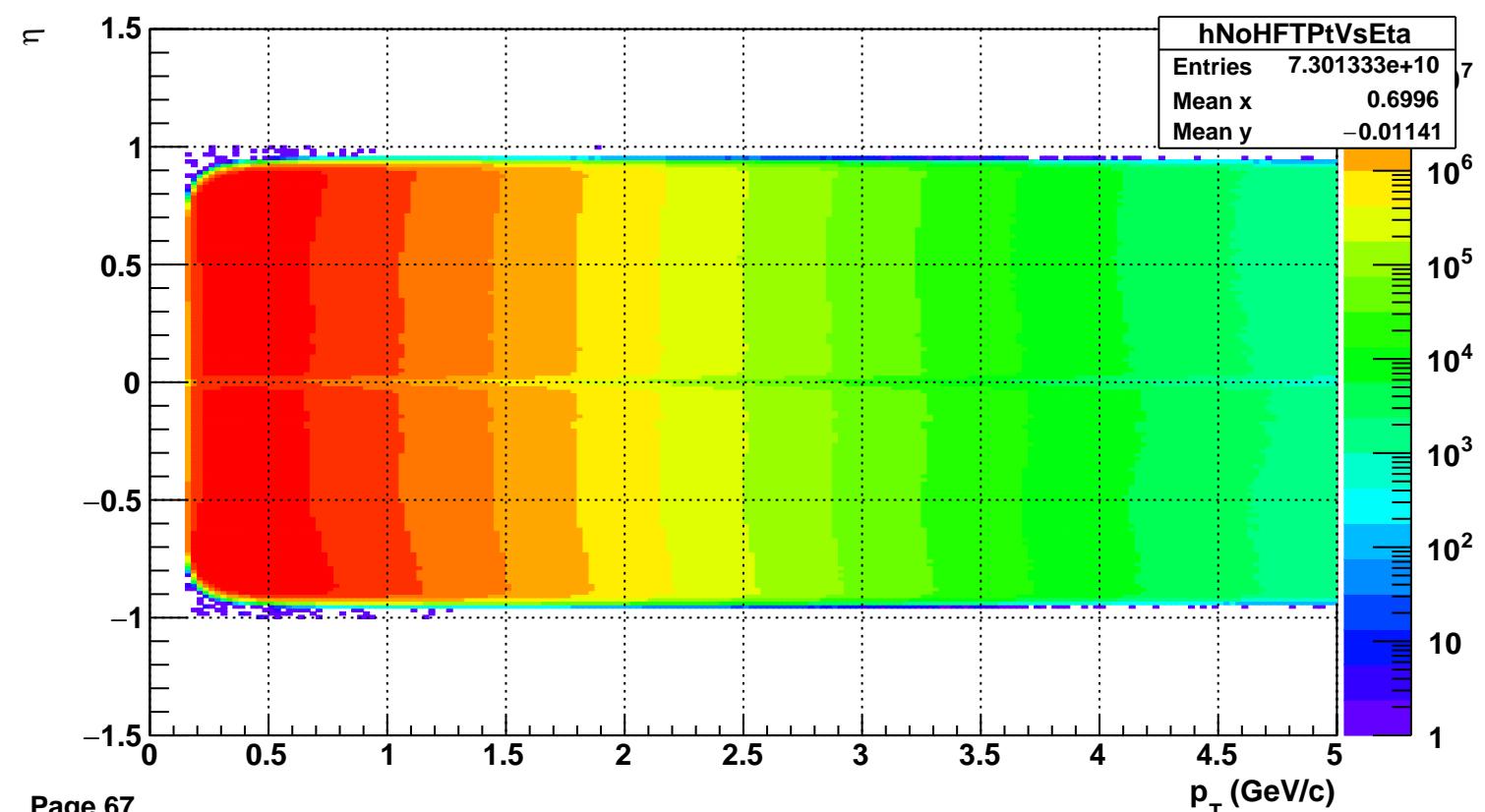
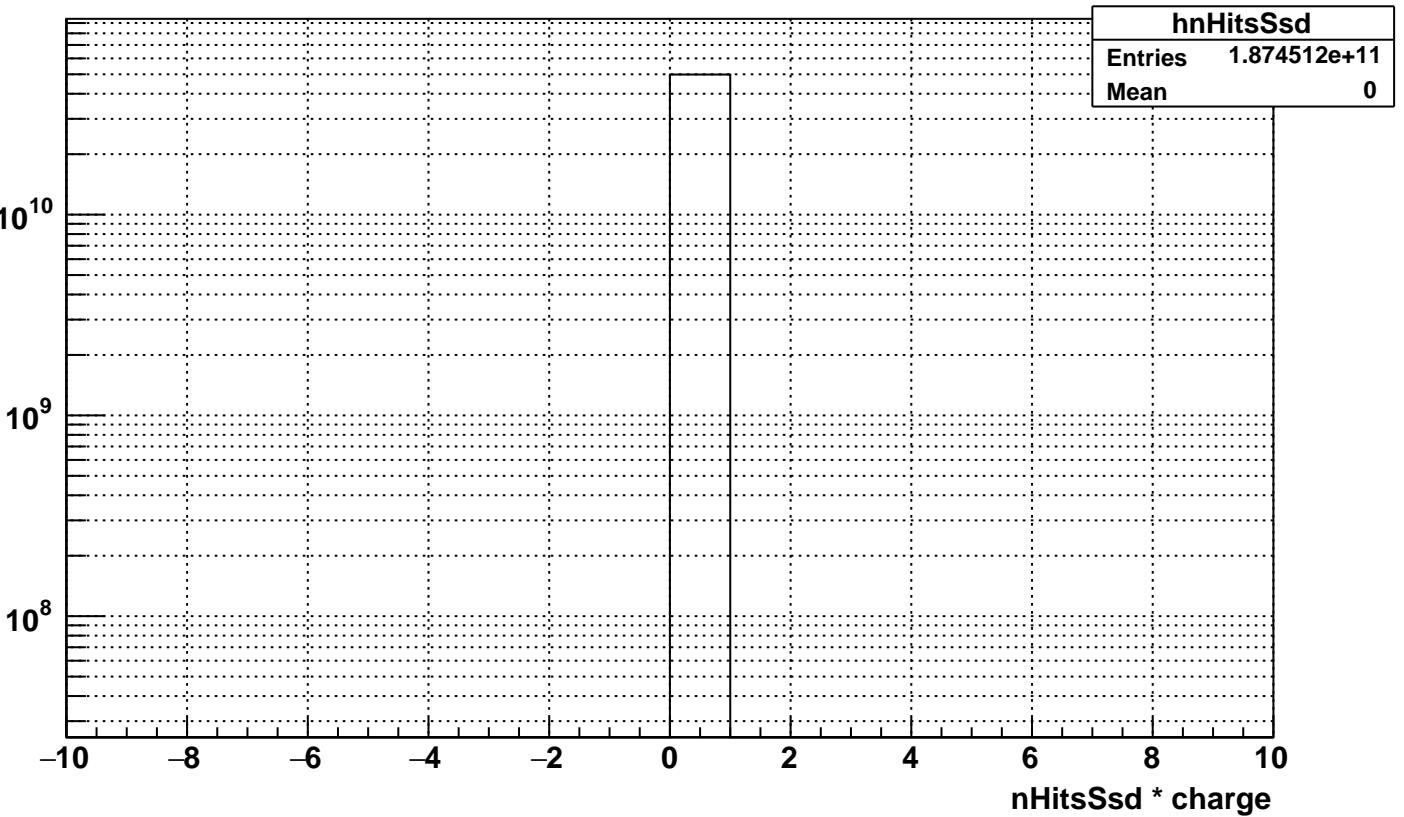
hHFTDcaXyVsZdcZoomIn_2	
Entries	11
Mean	25.03

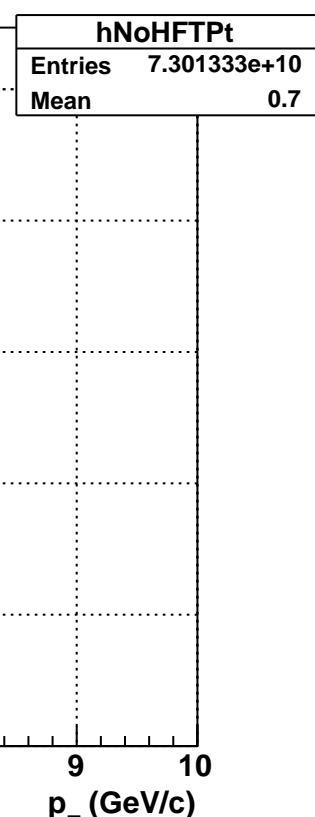
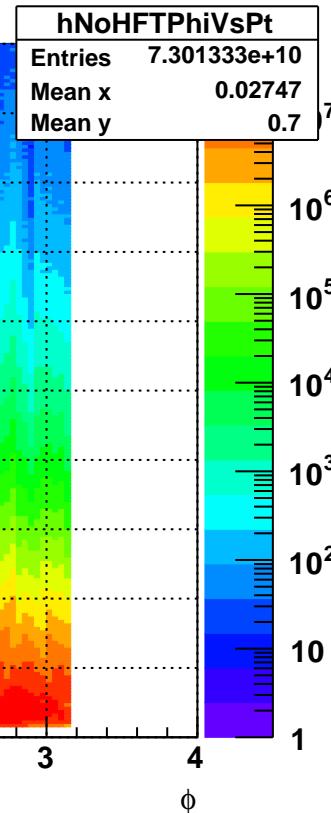


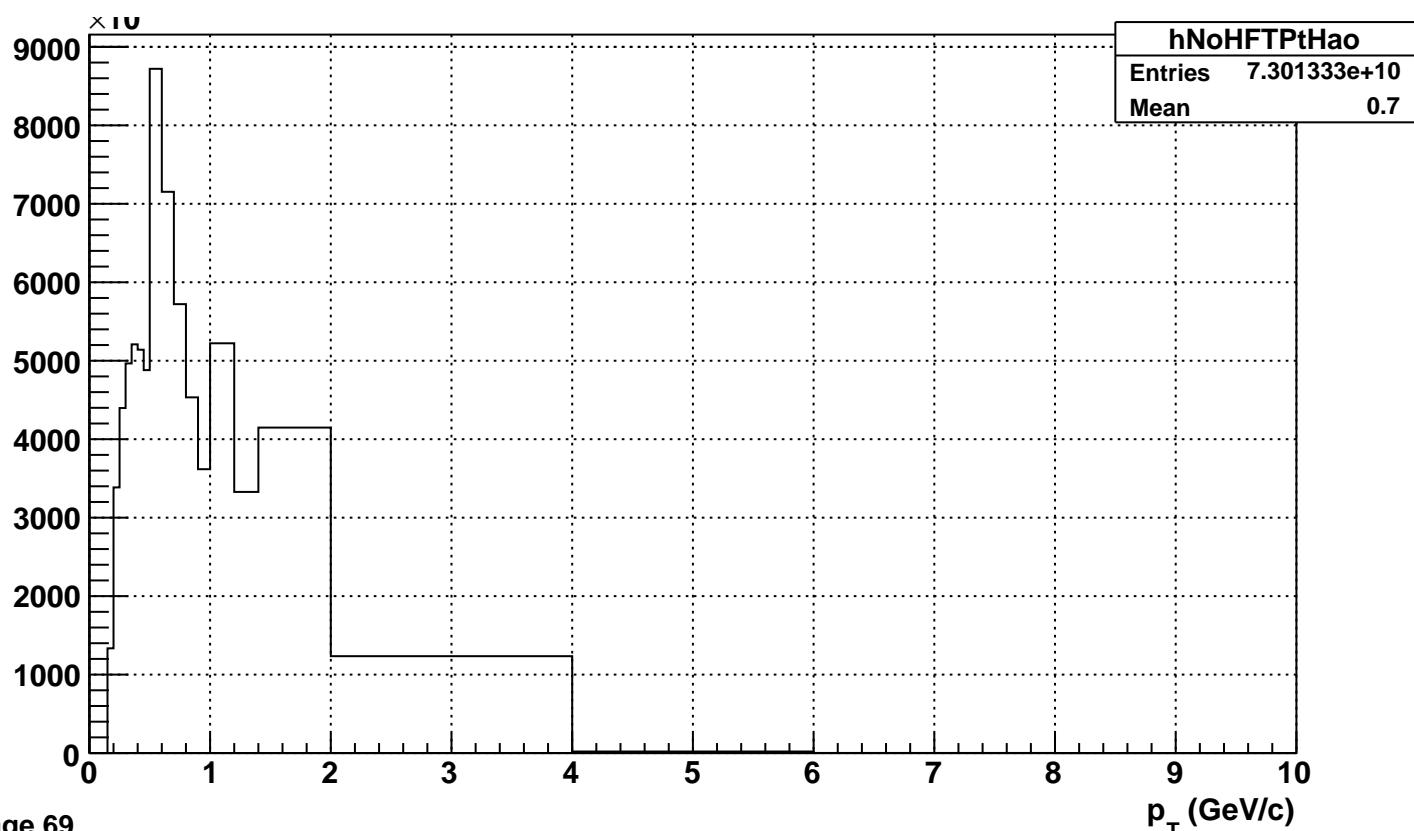
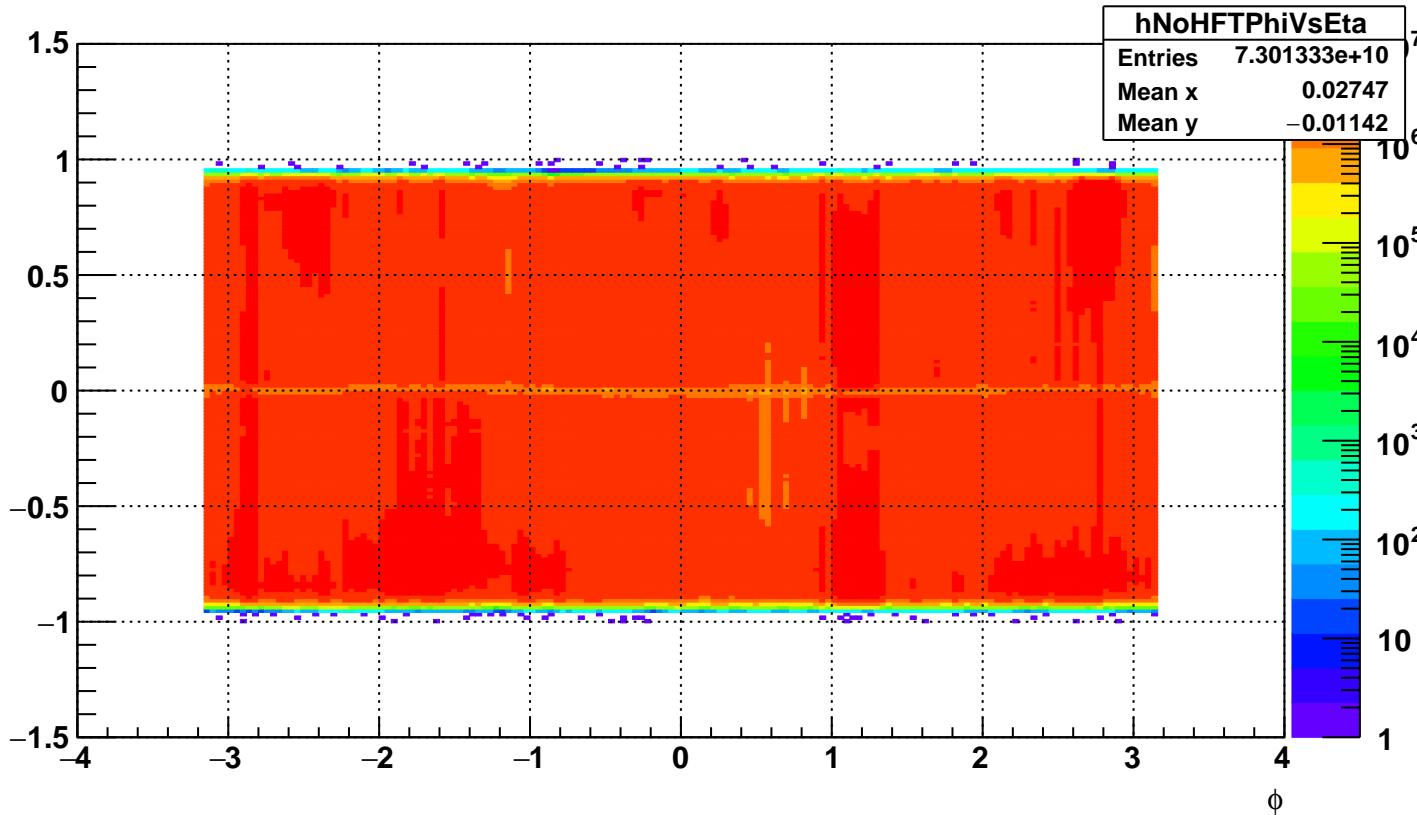


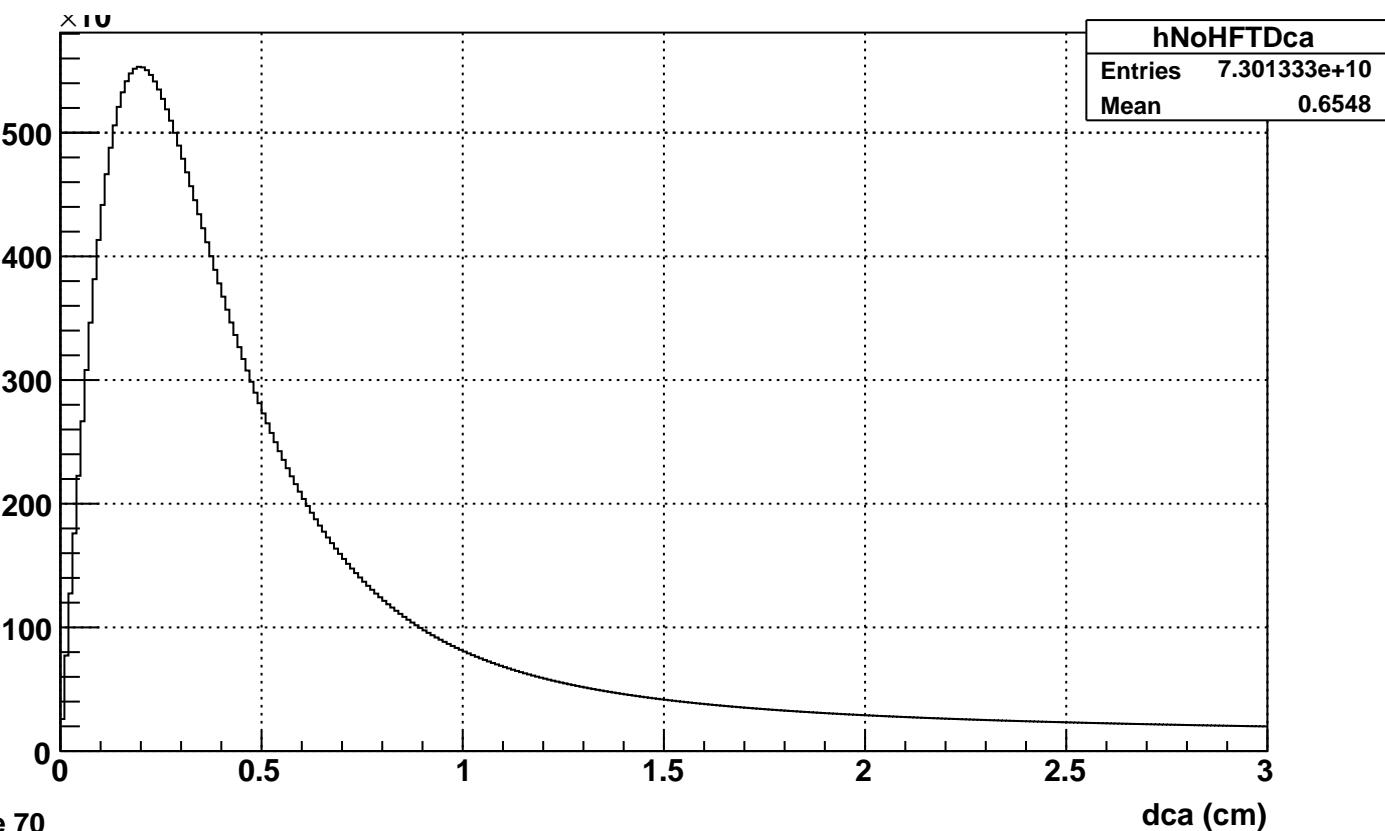
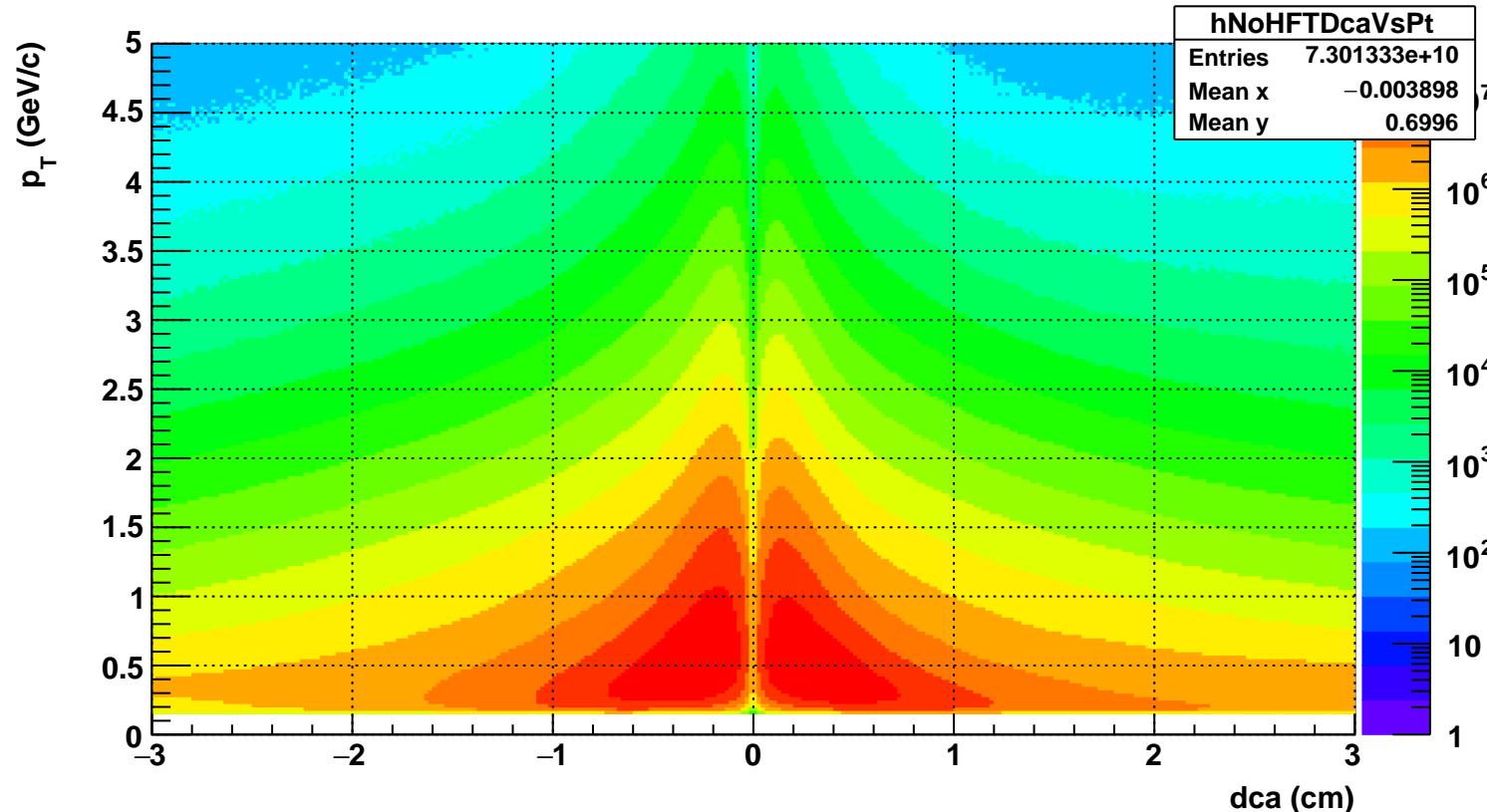


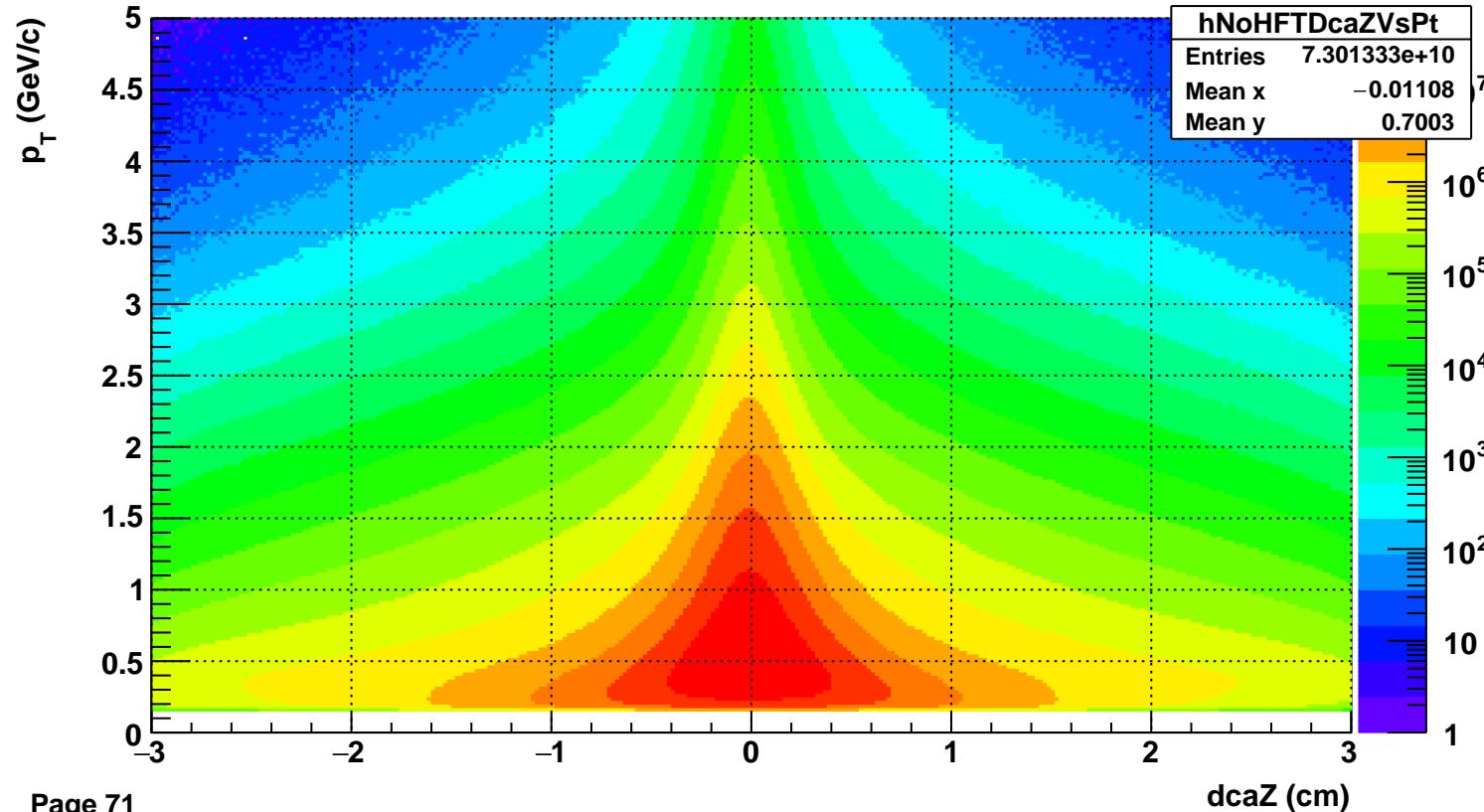
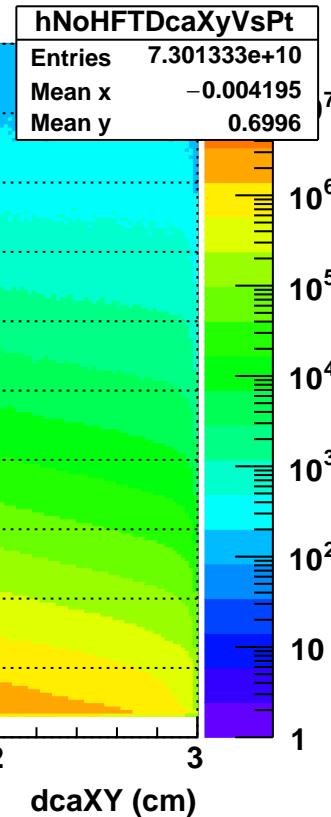


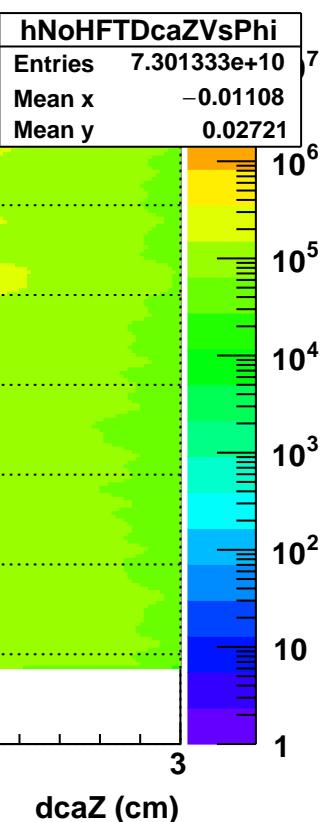
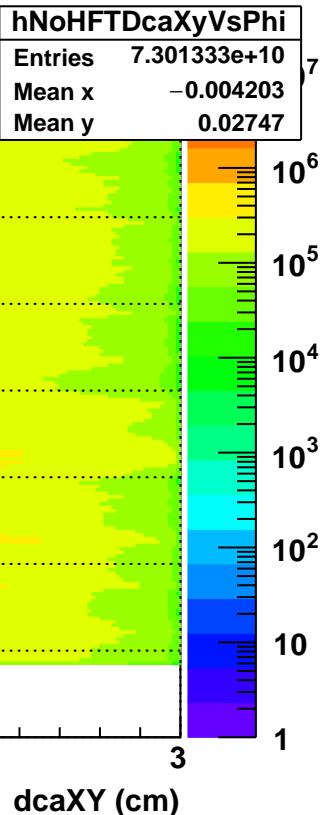


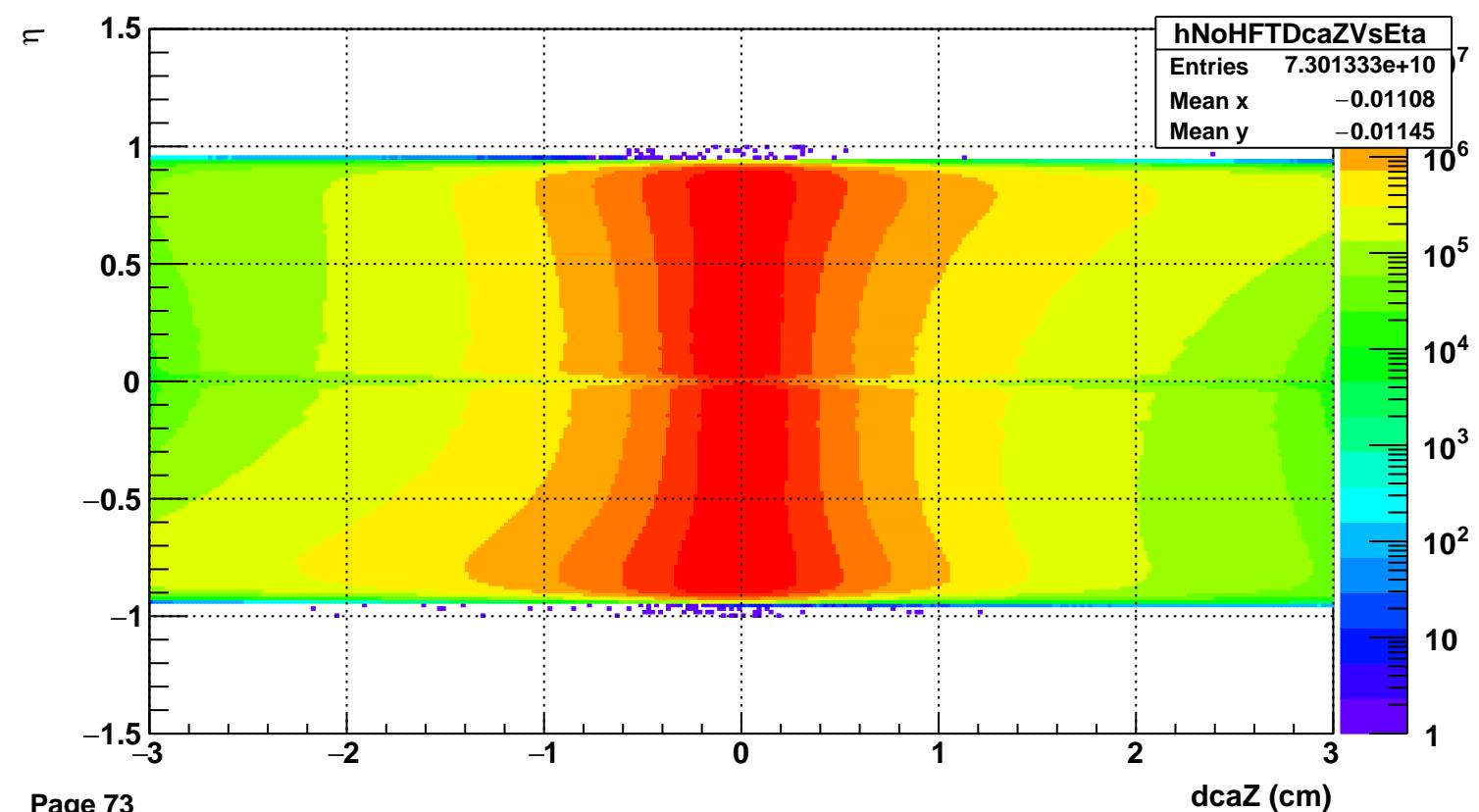
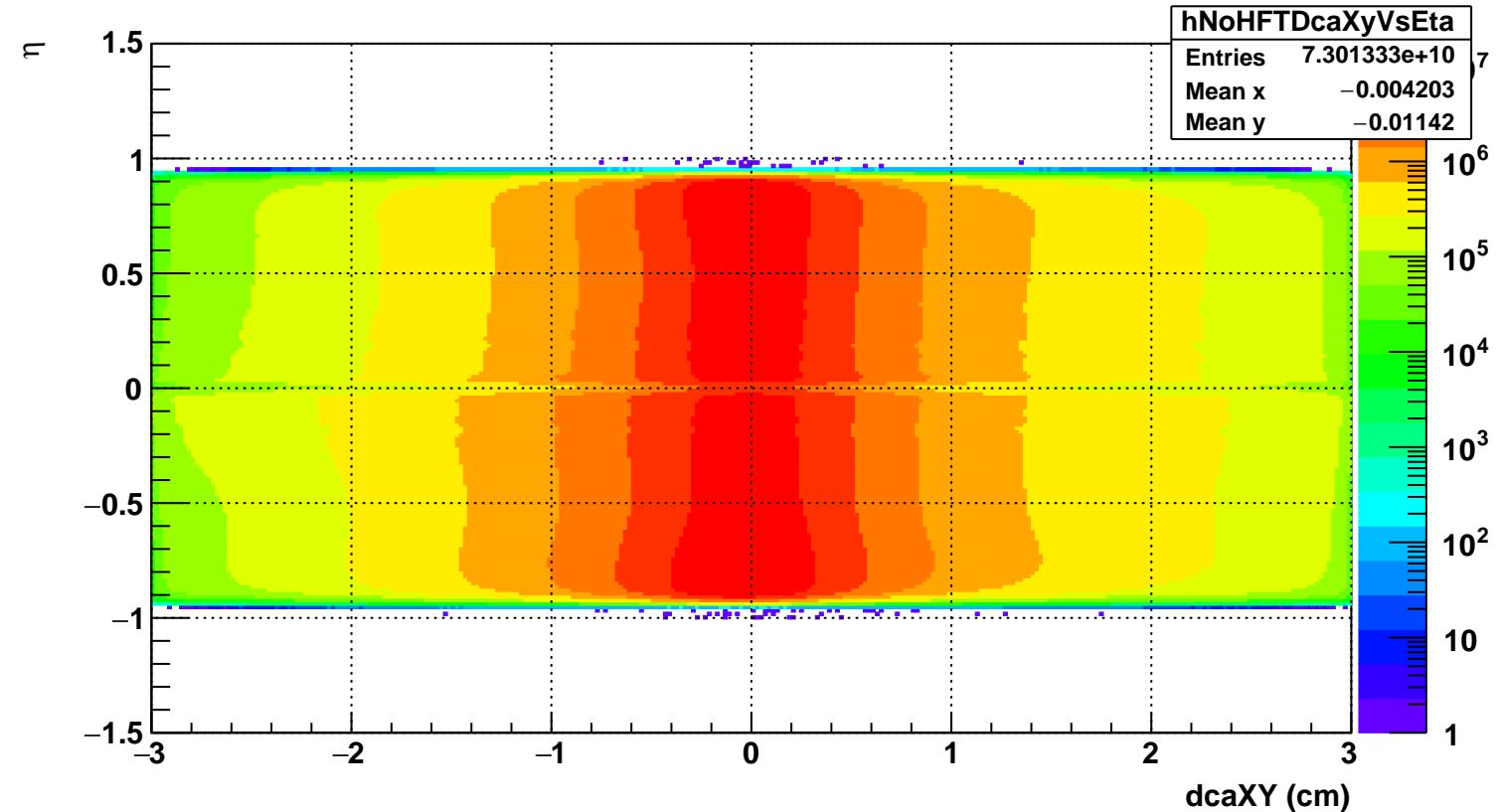


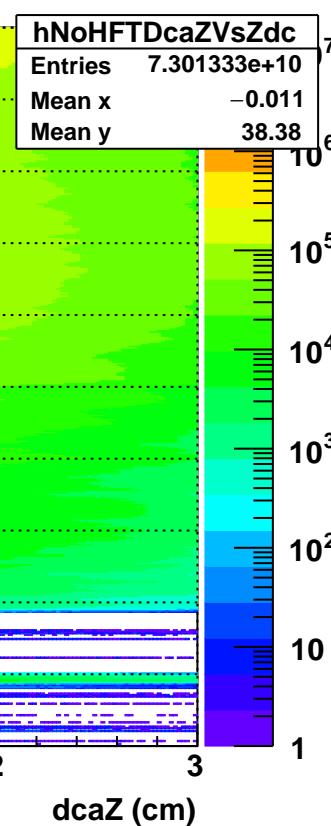
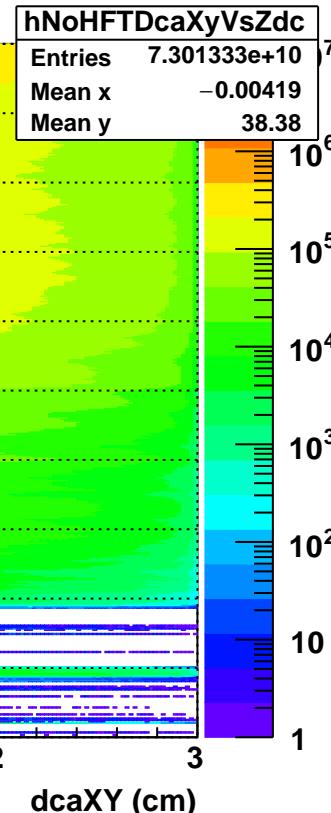


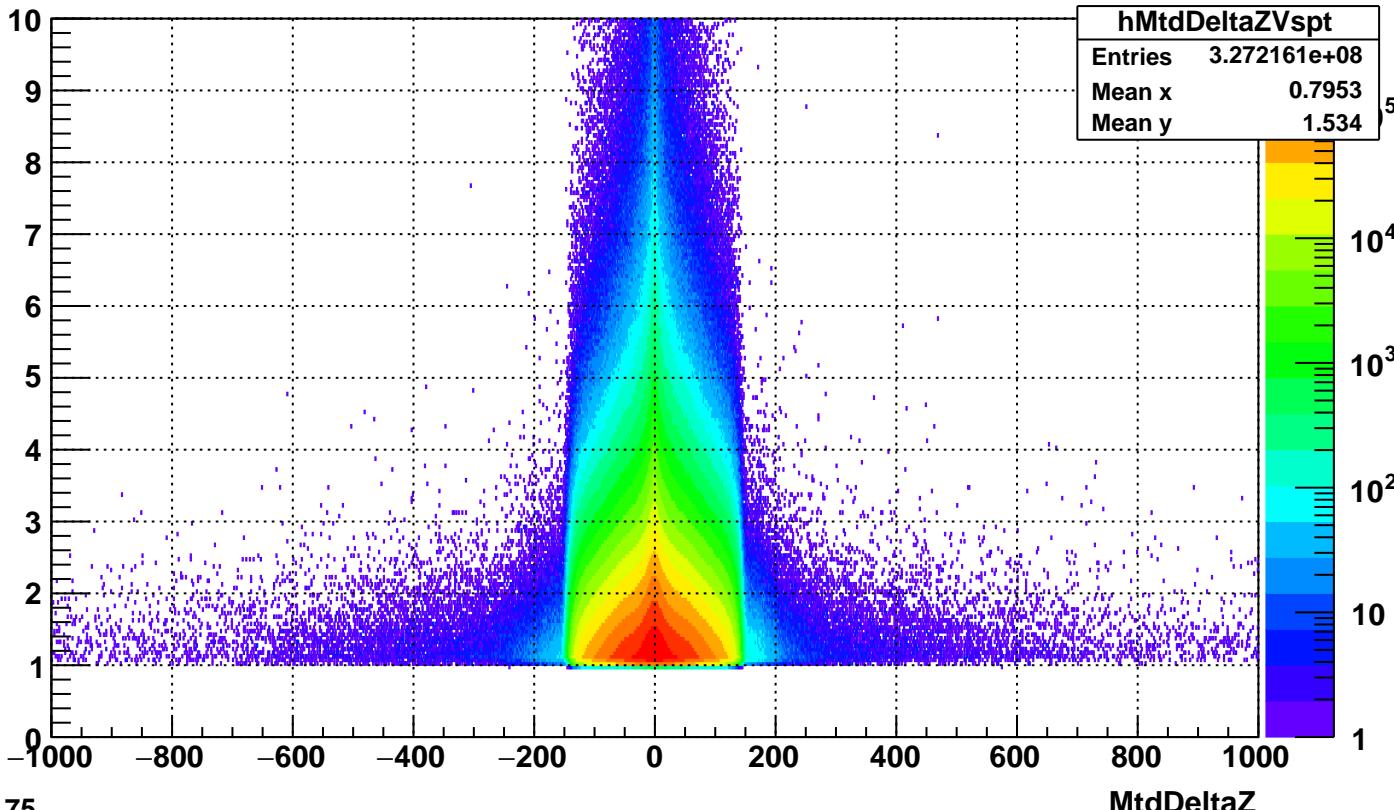
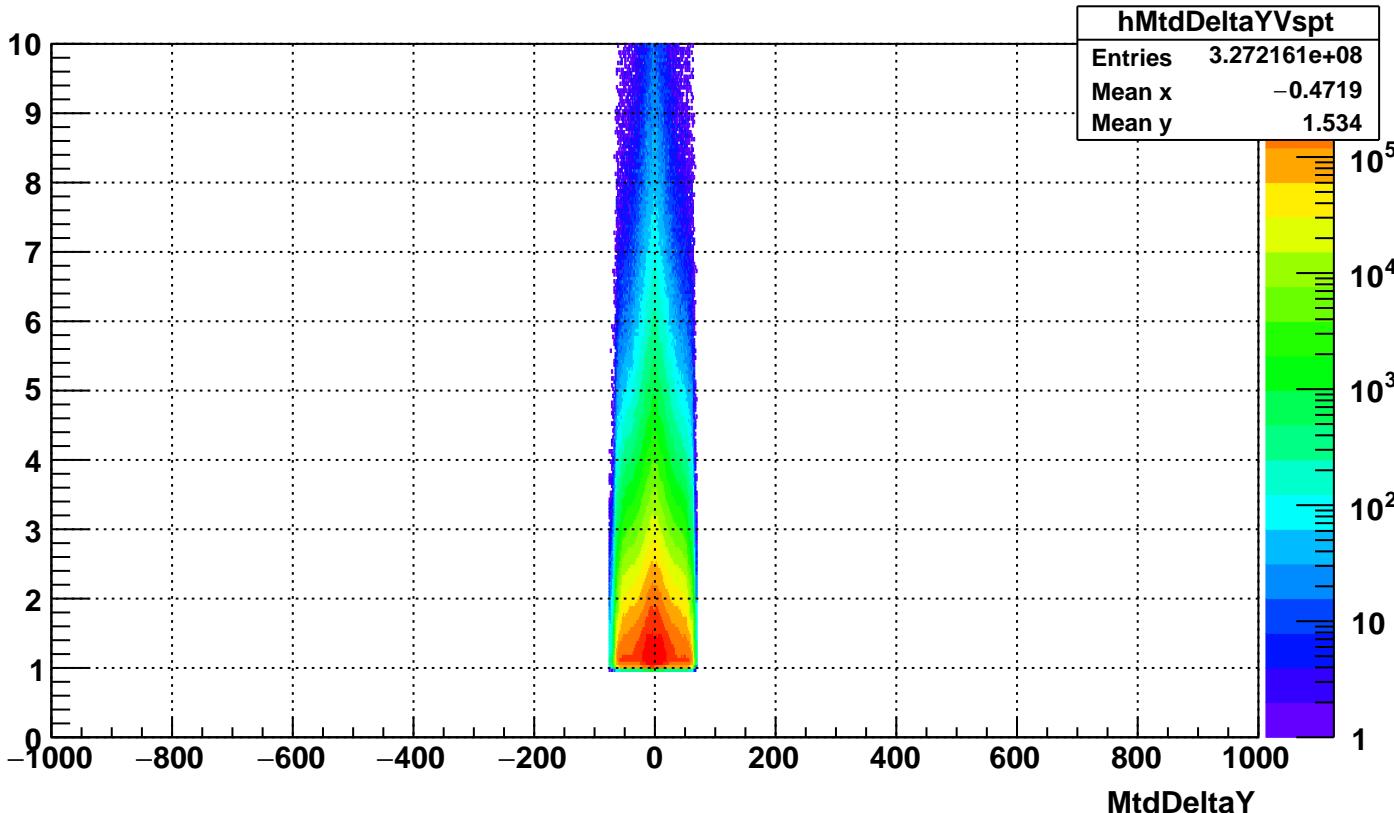


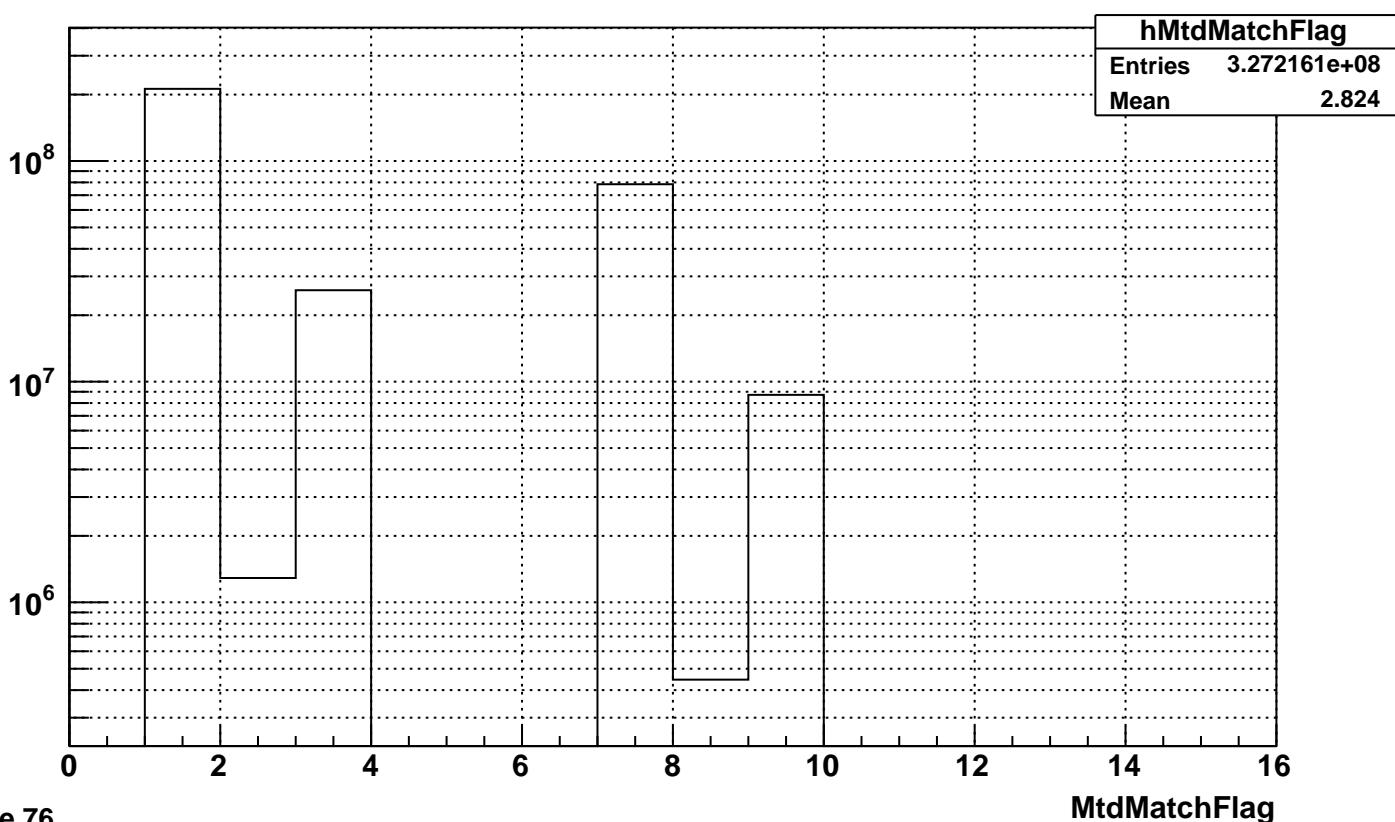
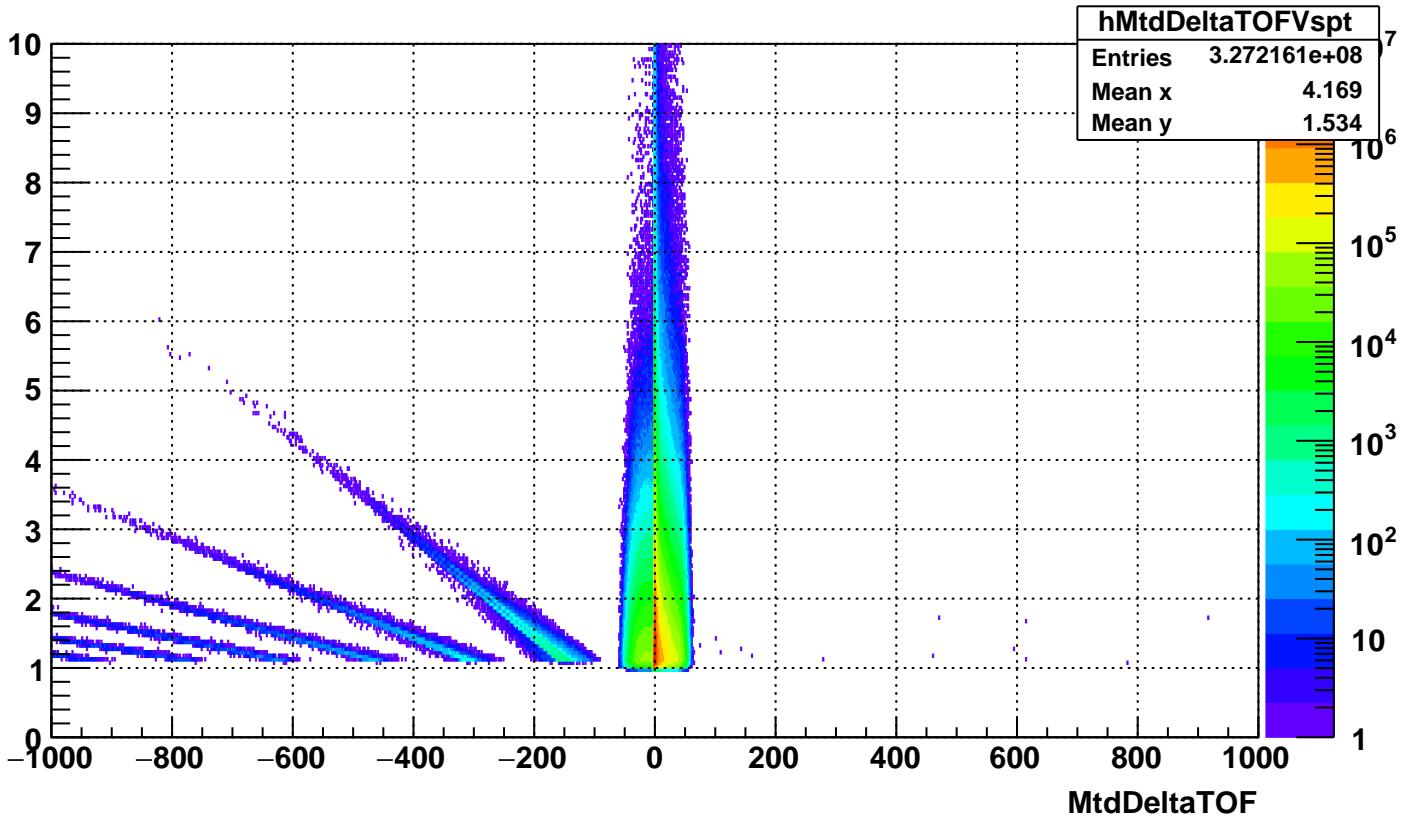


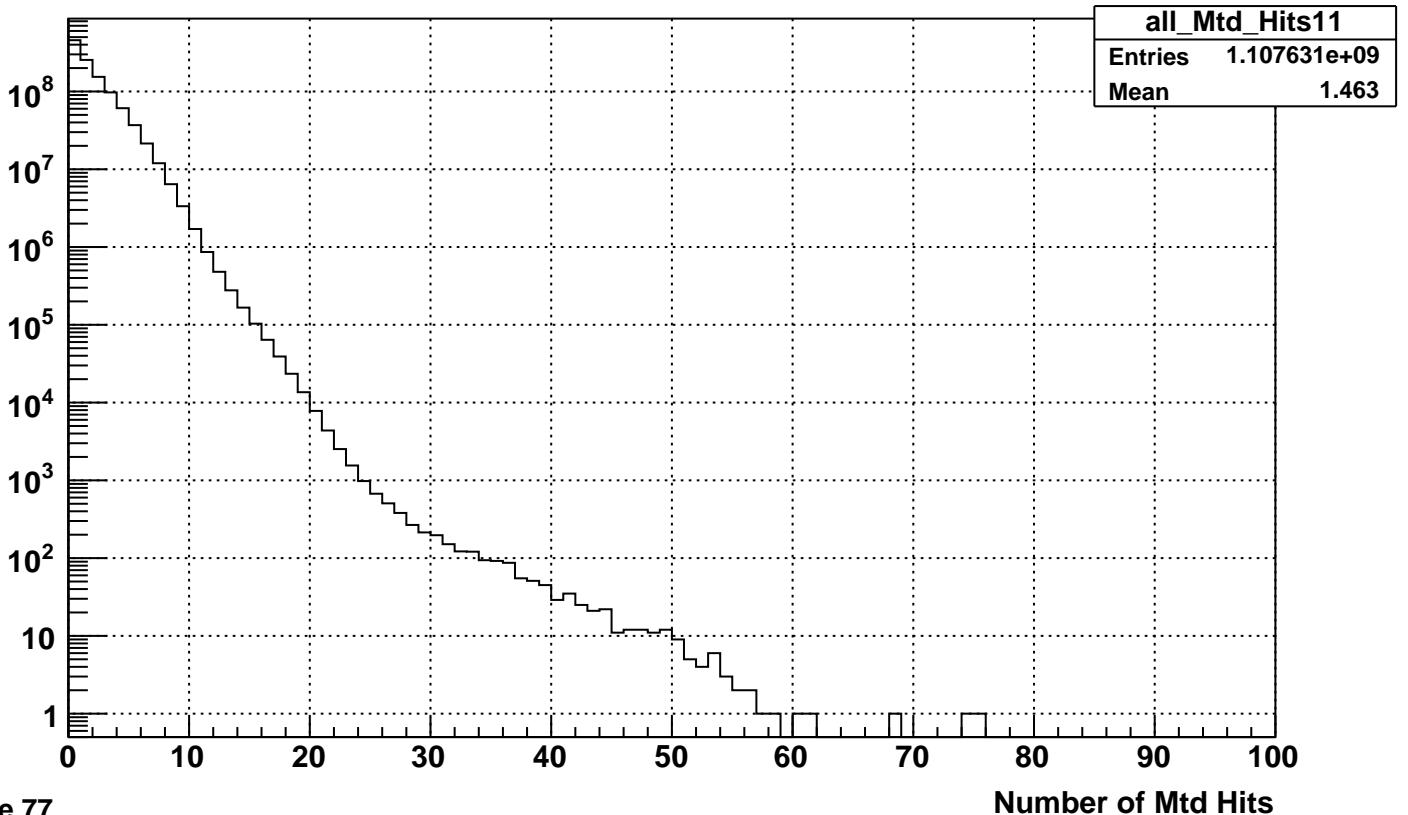
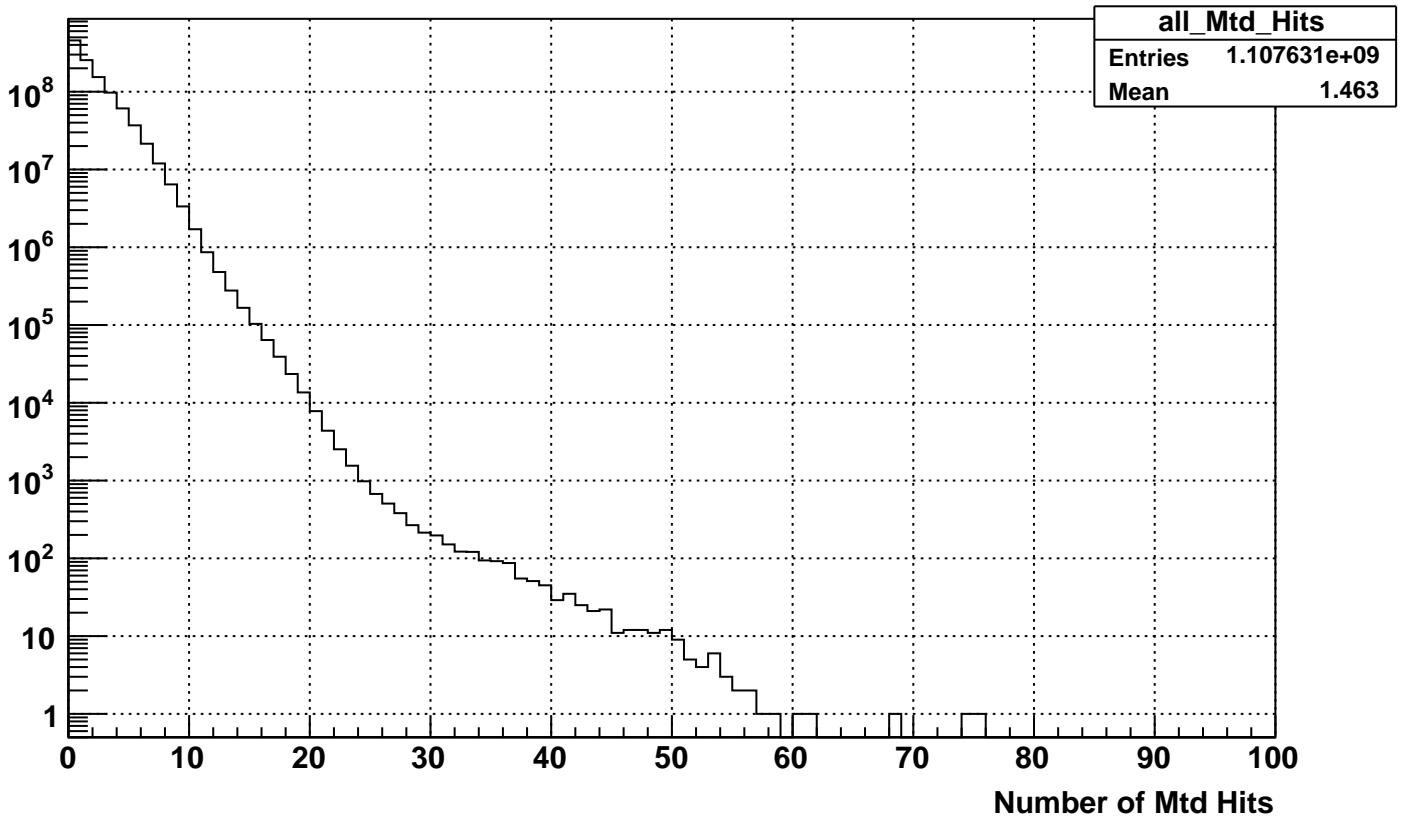




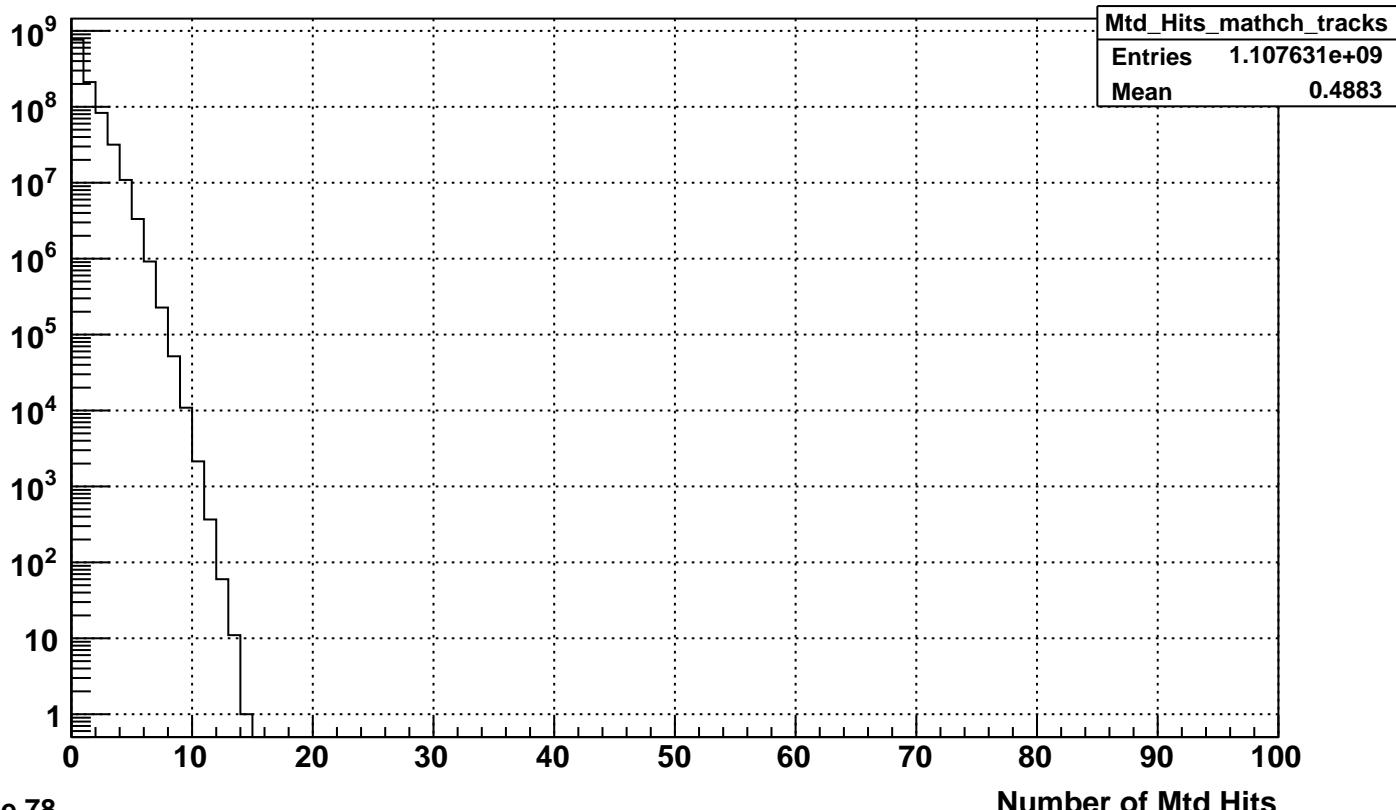
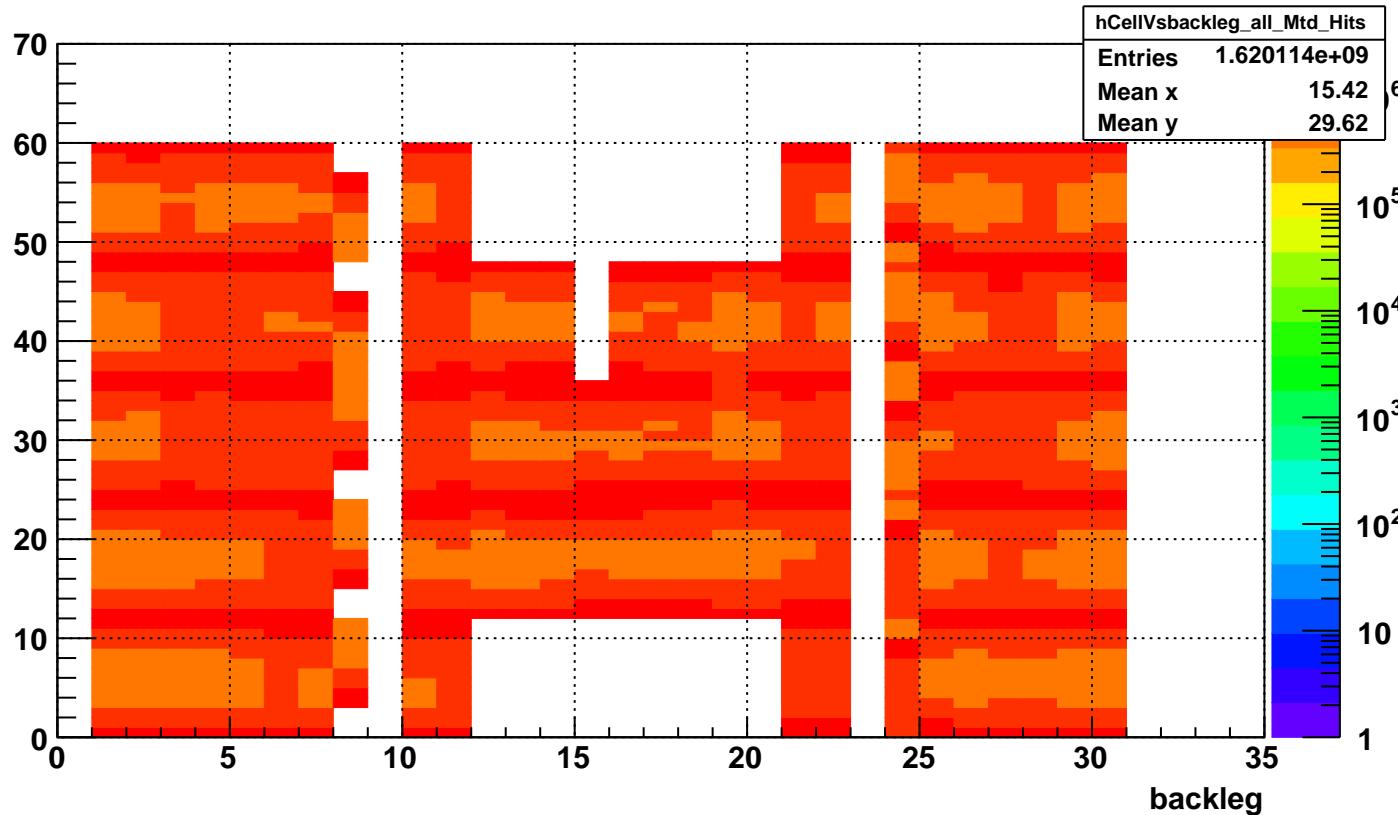


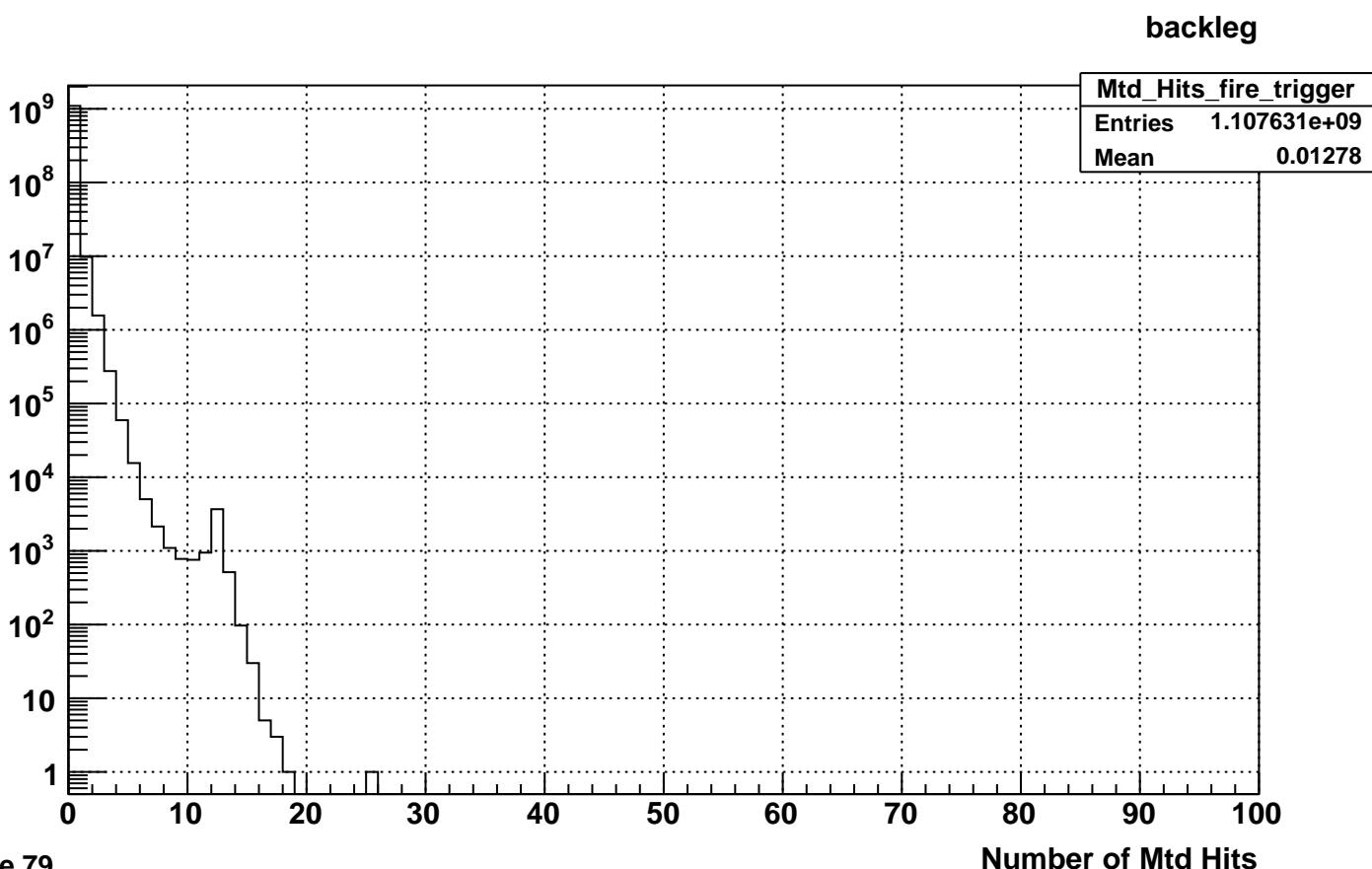
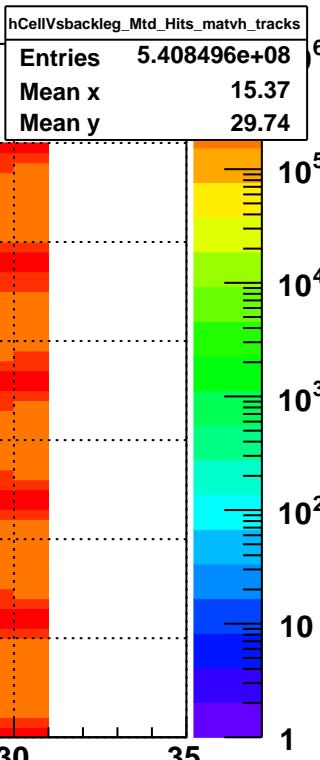






Cell



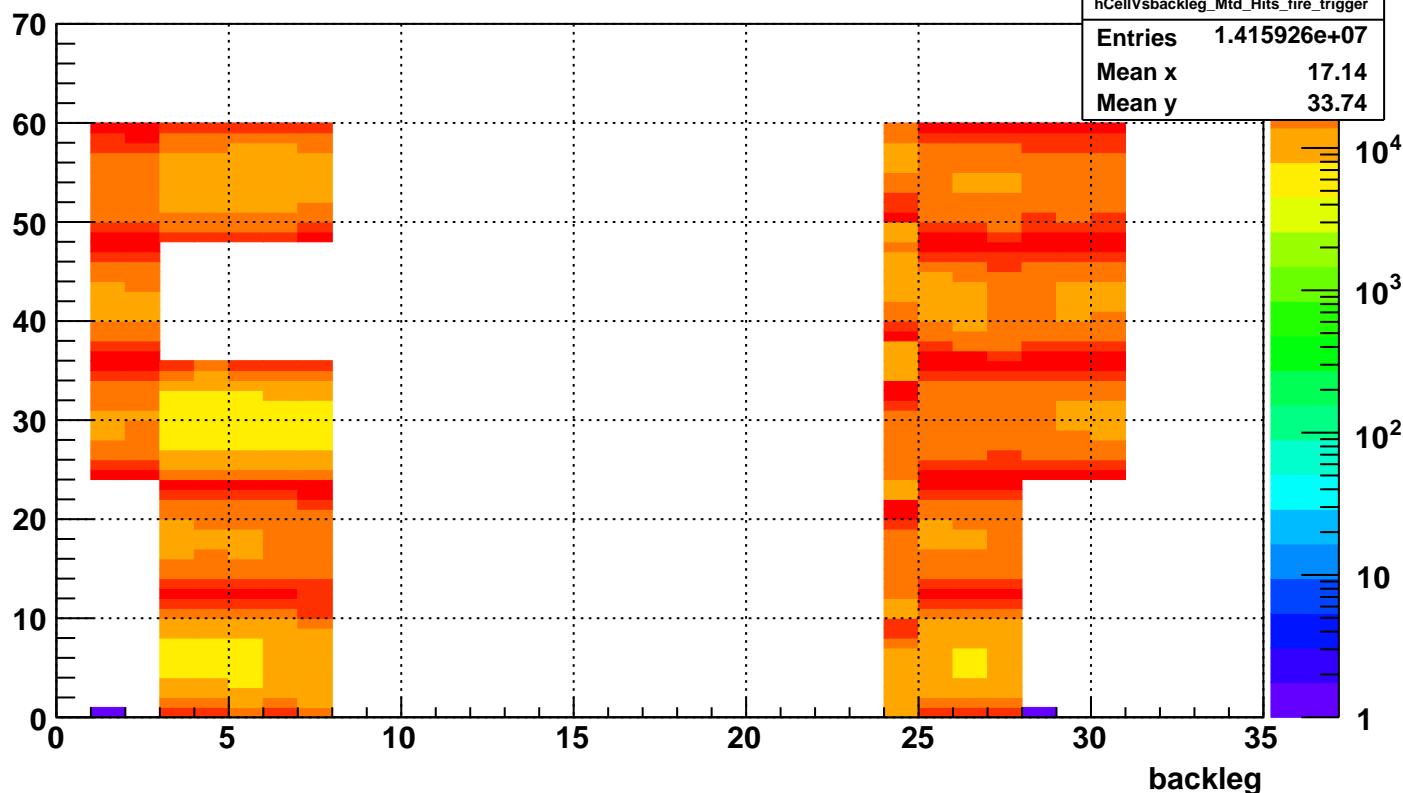


hCellVsbackleg_Mtd_Hits_fire_trigger

Entries 1.415926e+07

Mean x 17.14

Mean y 33.74



hMtdTriggerFlag

Entries 1.620114e+09

Mean 0.01239

