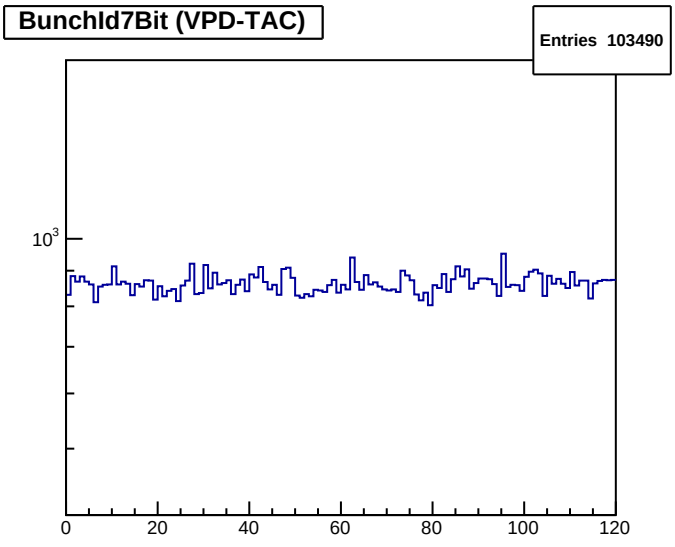
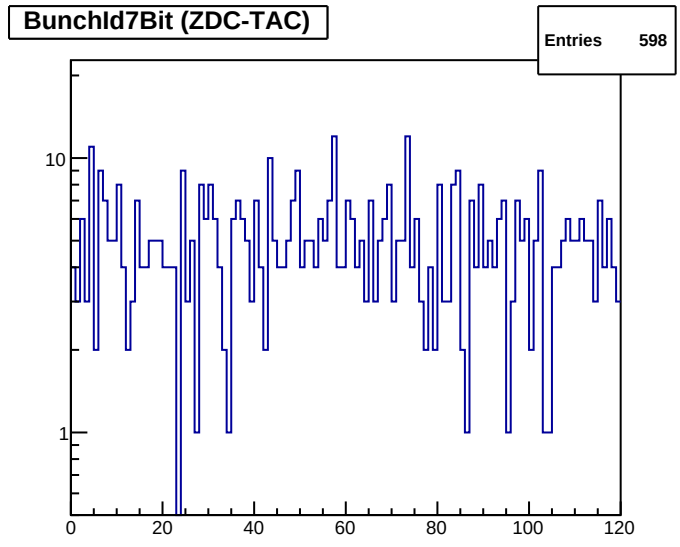
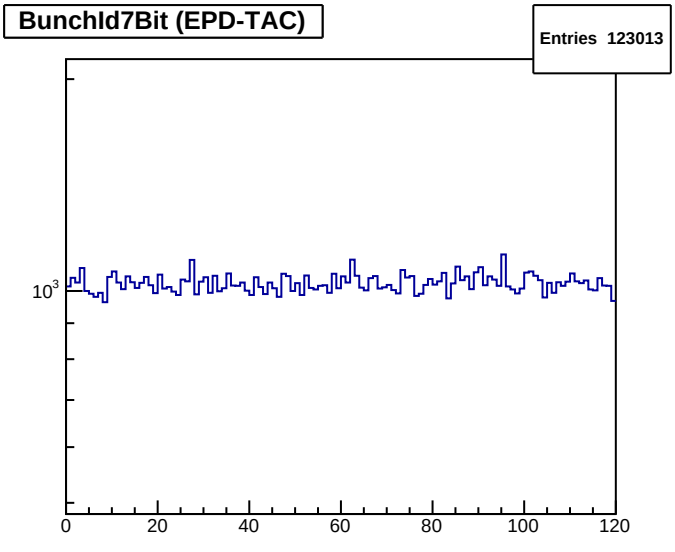
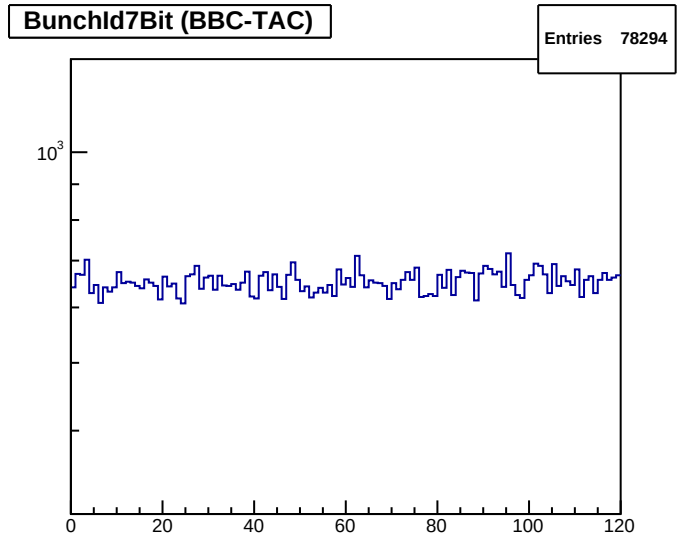
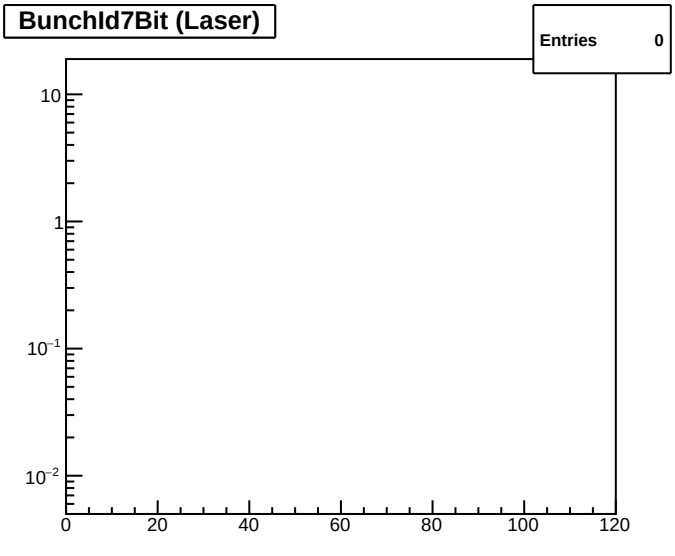
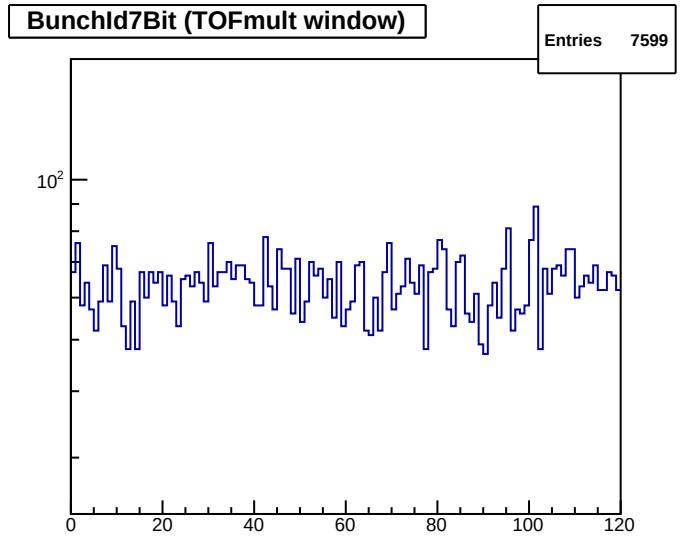

BunchId7Bit (VPD-TAC)
Entries 103490
10^3
0 20 40 60 80 100 120

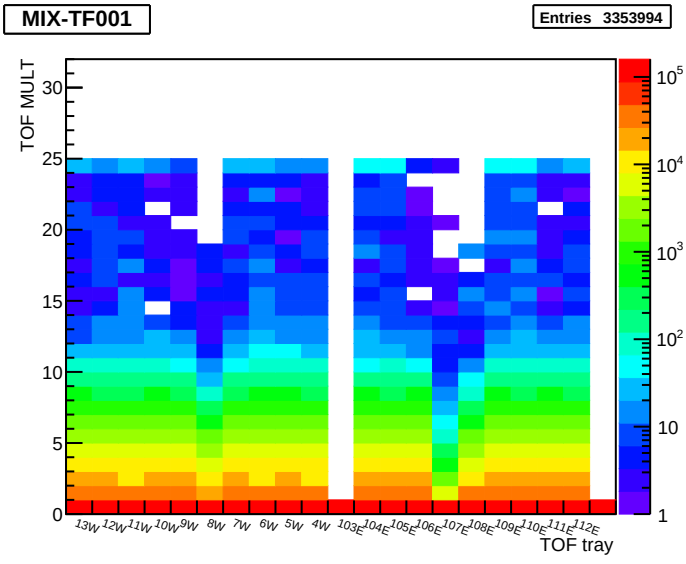

BunchId7Bit (ZDC-TAC)
Entries 598
10
1
0 20 40 60 80 100 120

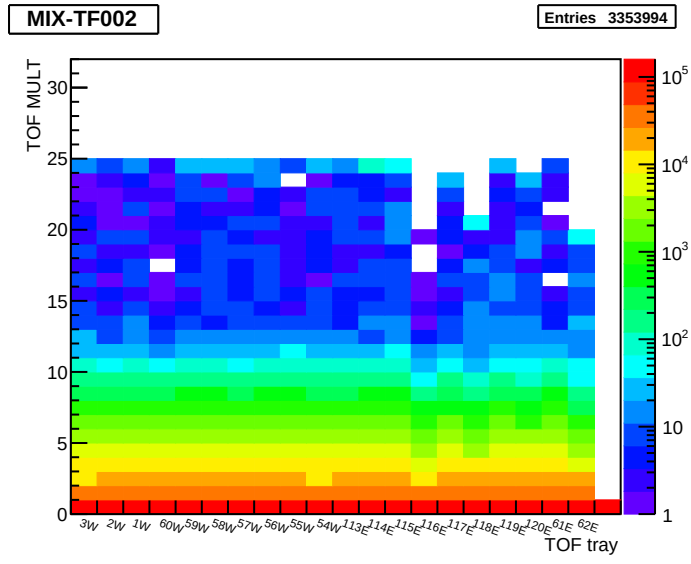

BunchId7Bit (EPD-TAC)
Entries 123013
10^3
0 20 40 60 80 100 120

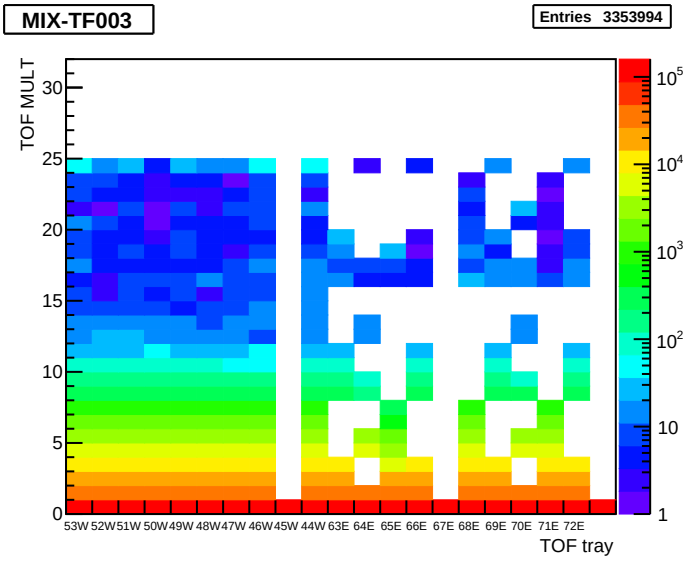

BunchId7Bit (BBC-TAC)
Entries 78294
10^3
0 20 40 60 80 100 120

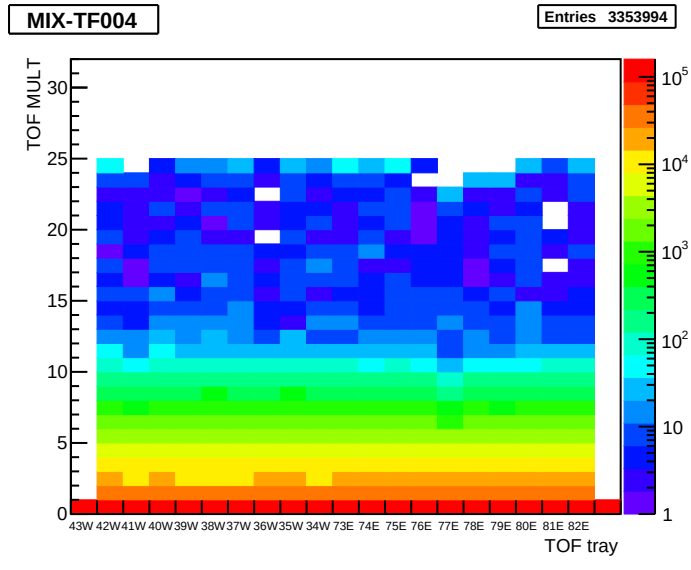

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

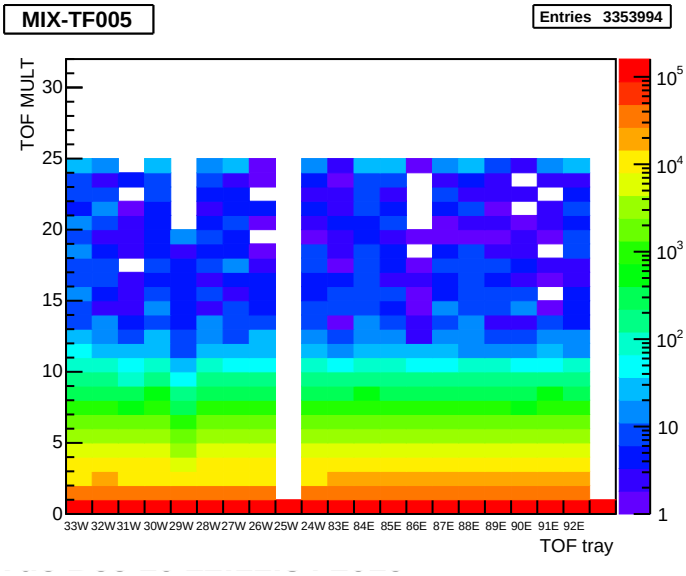

BunchId7Bit (TOFmult window)
Entries 7599
10^2
0 20 40 60 80 100 120

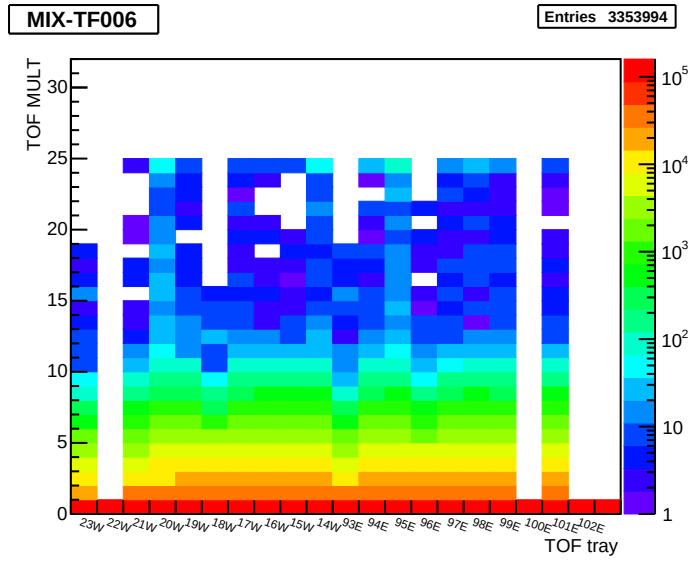

MIX-TF001
Entries 3353994
TOF MULT
TOF tray

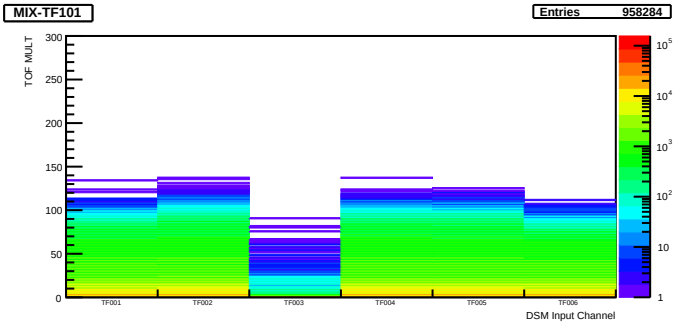

MIX-TF002
Entries 3353994
TOF MULT
TOF tray

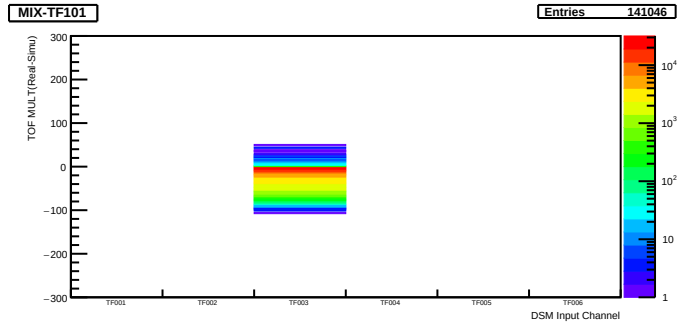

MIX-TF003
Entries 3353994
TOF MULT
TOF tray

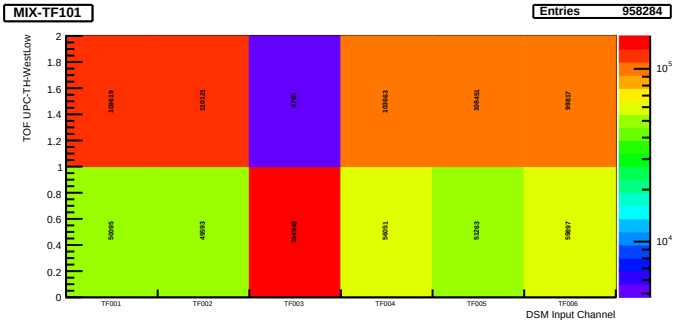

MIX-TF004
Entries 3353994
TOF MULT
TOF tray

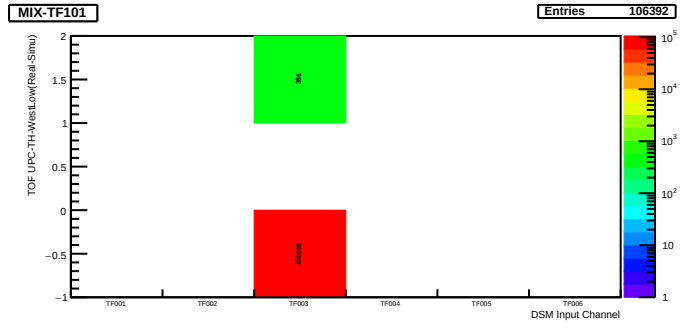

MIX-TF005
Entries 3353994
TOF MULT
TOF tray

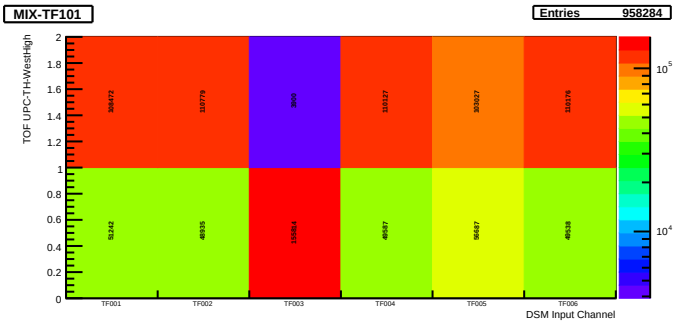

MIX-TF006
Entries 3353994
TOF MULT
TOF tray

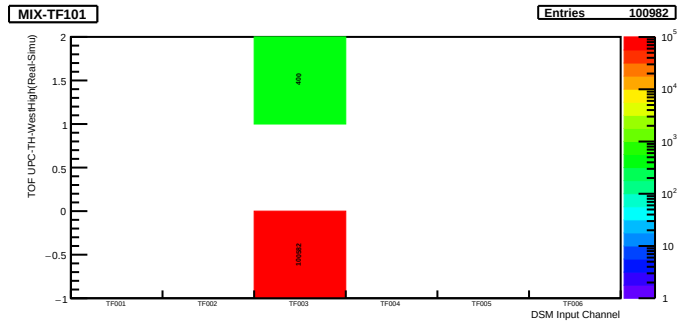

MIX-TF101
Entries 958284
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

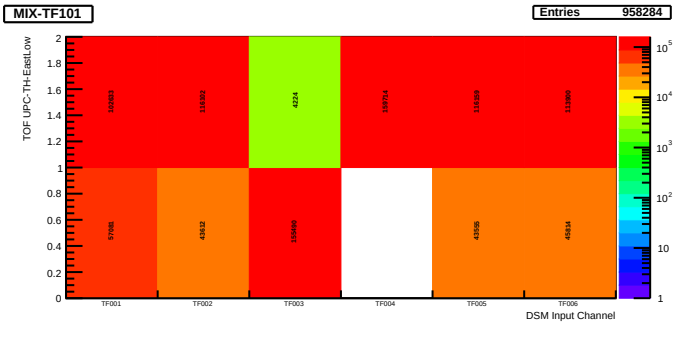

MIX-TF101
Entries 141046
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

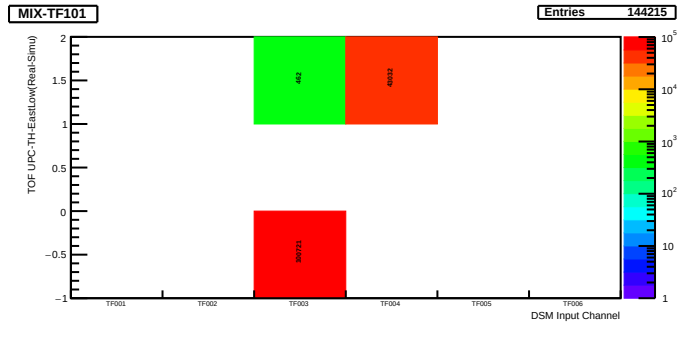

MIX-TF101
Entries 958284
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

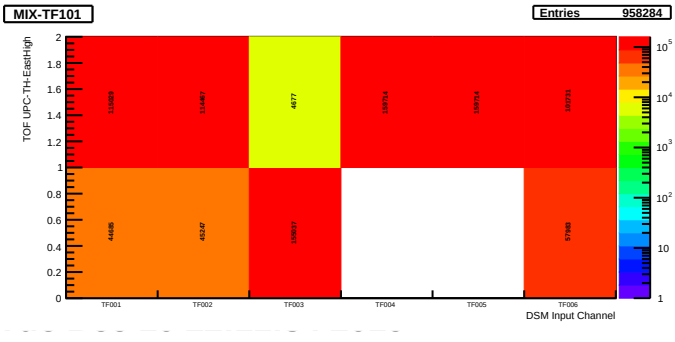

MIX-TF101
Entries 106392
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

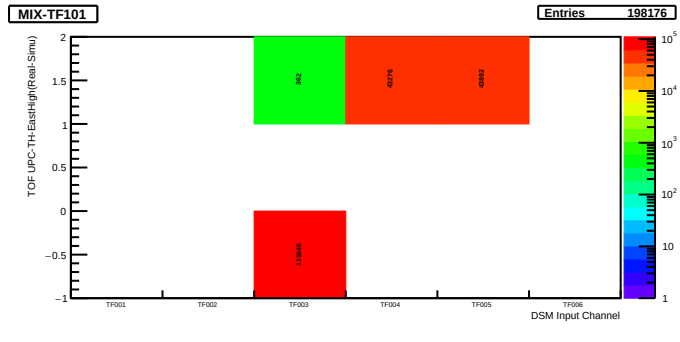

MIX-TF101
Entries 958284
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

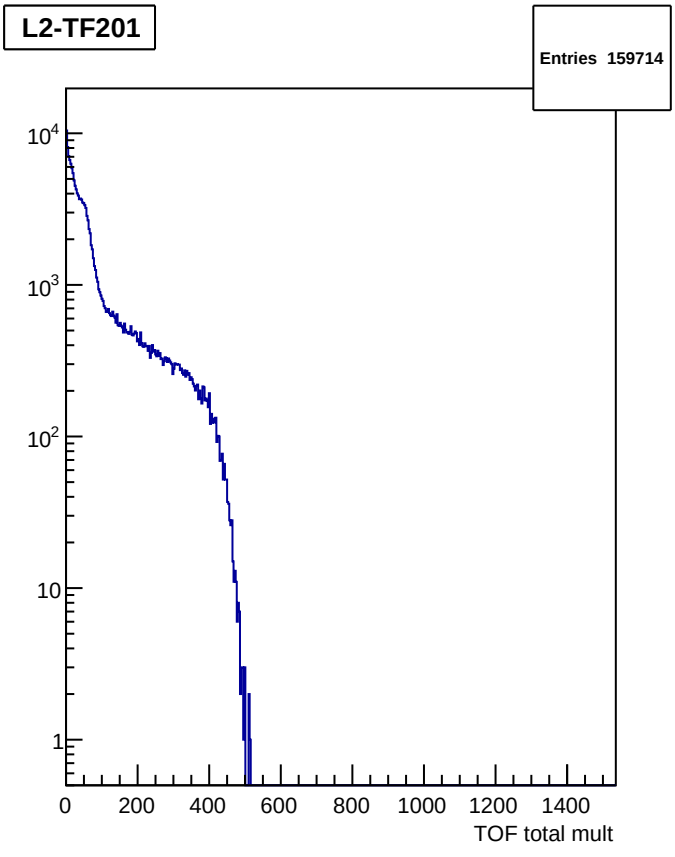

MIX-TF101
Entries 100982
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

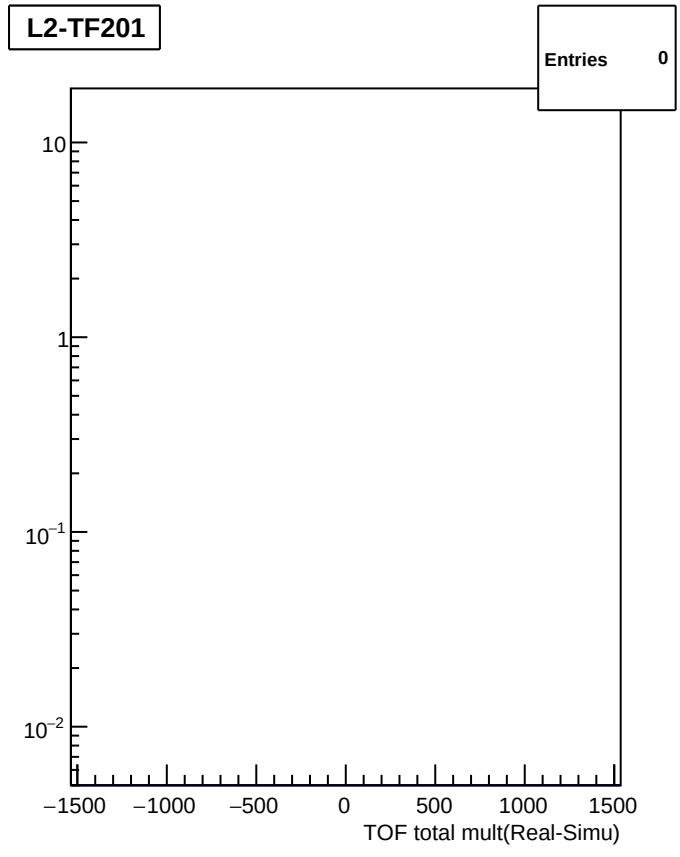

MIX-TF101
Entries 958284
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

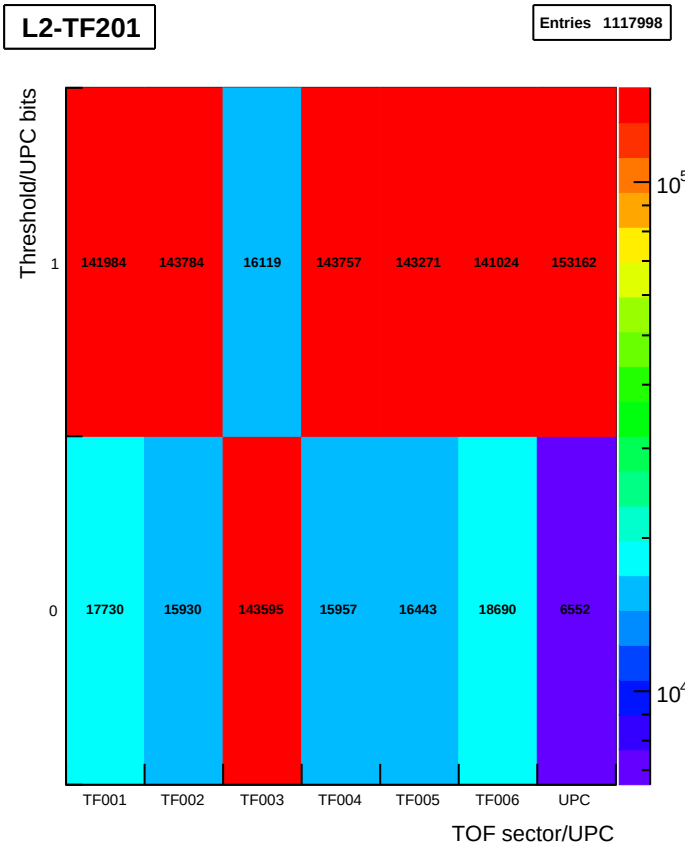

MIX-TF101
Entries 144215
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

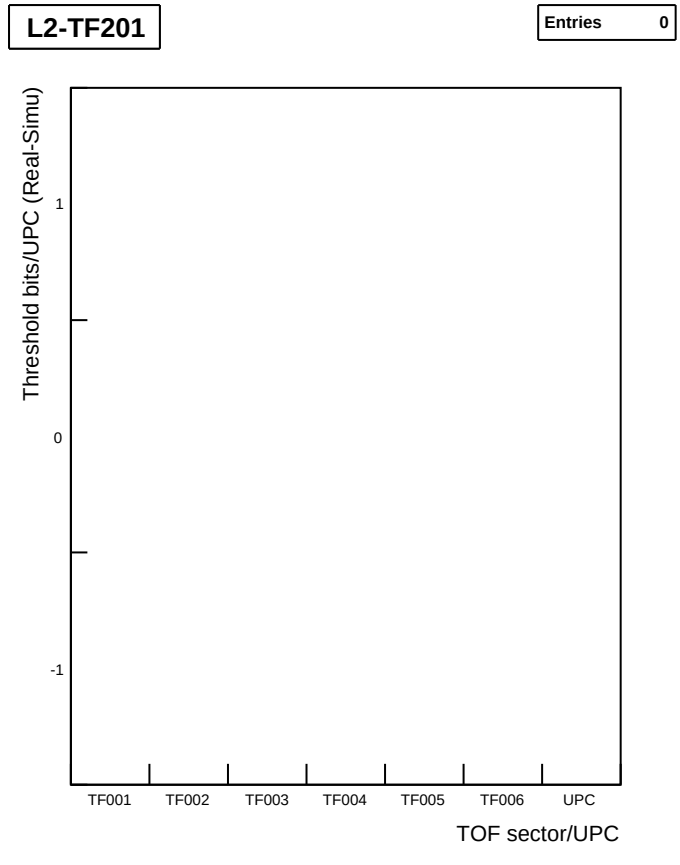

MIX-TF101
Entries 958284
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

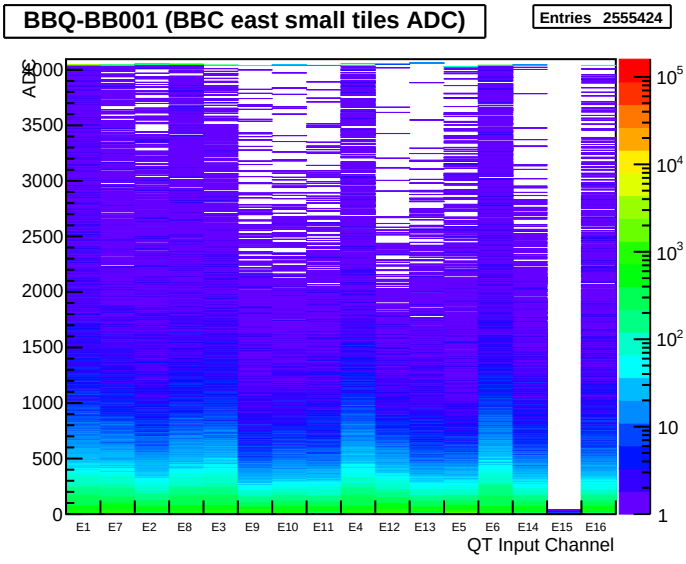

MIX-TF101
Entries 198176
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

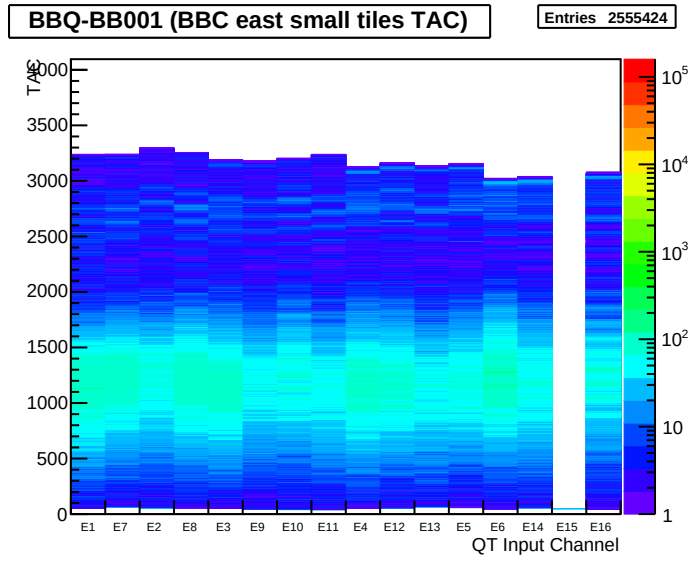

L2-TF201
Entries 159714
TOF total mult

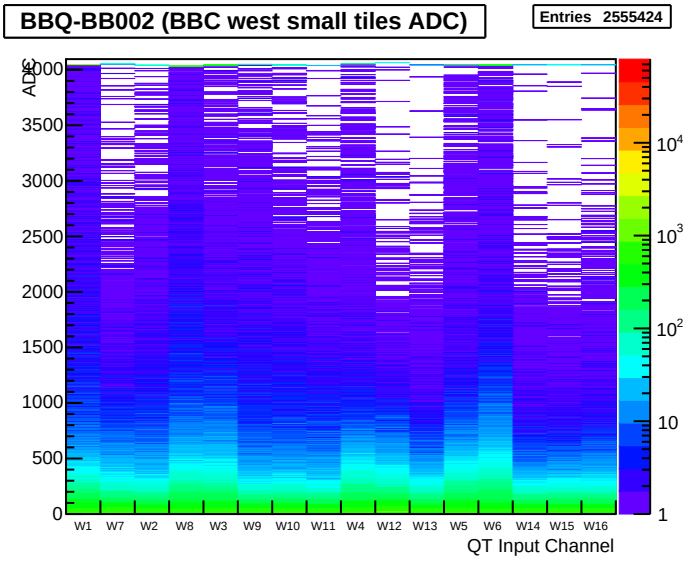

L2-TF201
Entries 0
TOF total mult(Real-Simu)

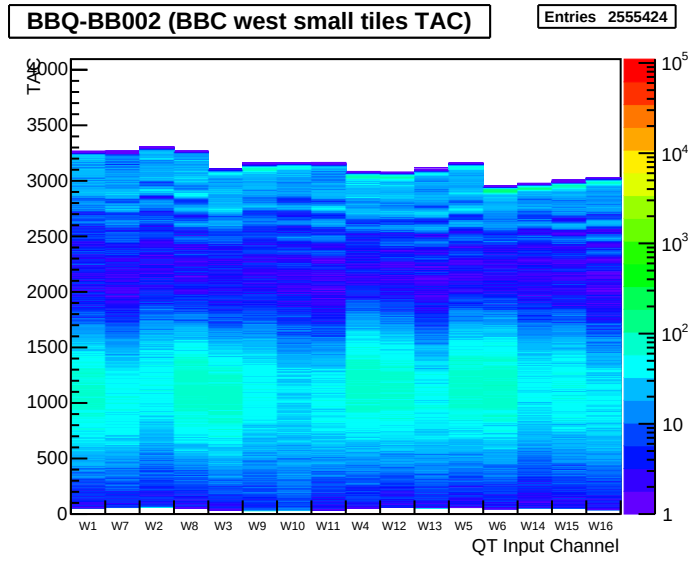

L2-TF201
Entries 1117998
Threshold/UPC bits
141984
143784
16119
143757
143271
141024
153162
17730
15930
143595
15957
16443
18690
6552
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

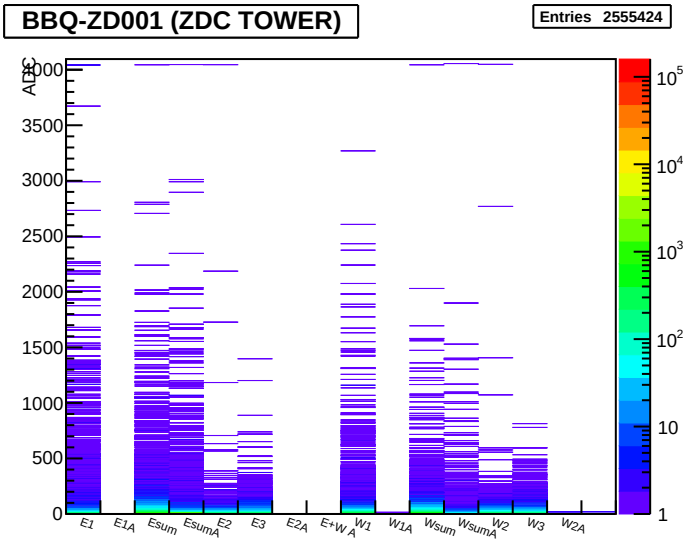

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

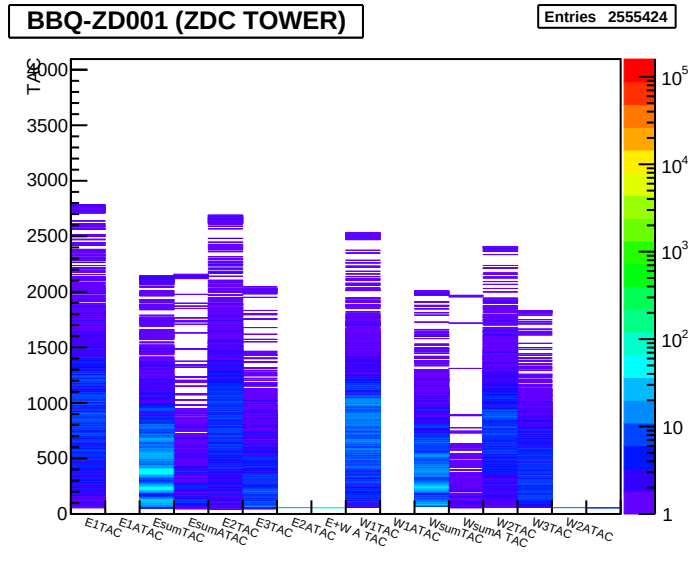

BBQ-BB001 (BBC east small tiles ADC)
Entries 2555424
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

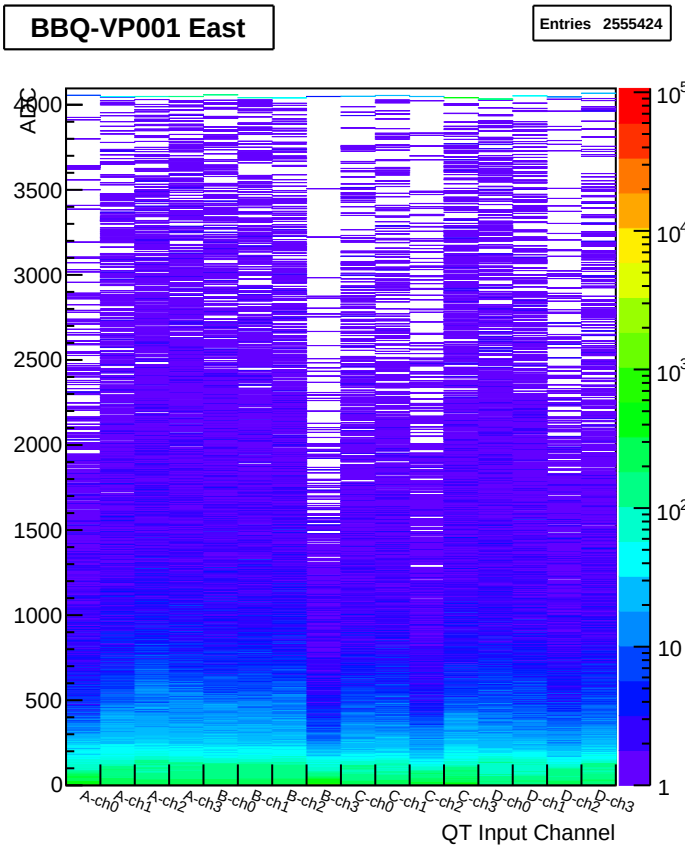

BBQ-BB001 (BBC east small tiles TAC)
Entries 2555424
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

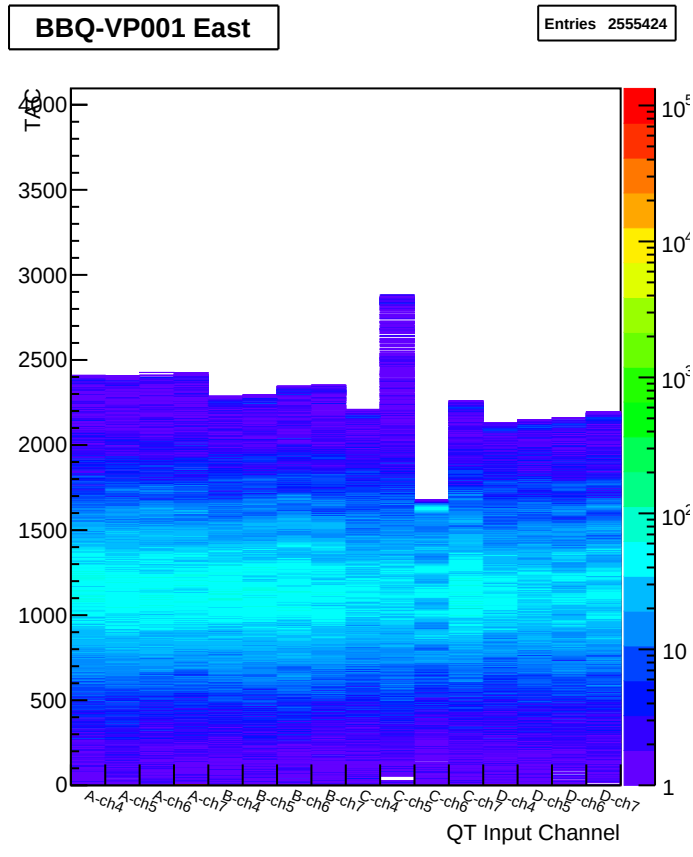

BBQ-BB002 (BBC west small tiles ADC)
Entries 2555424
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

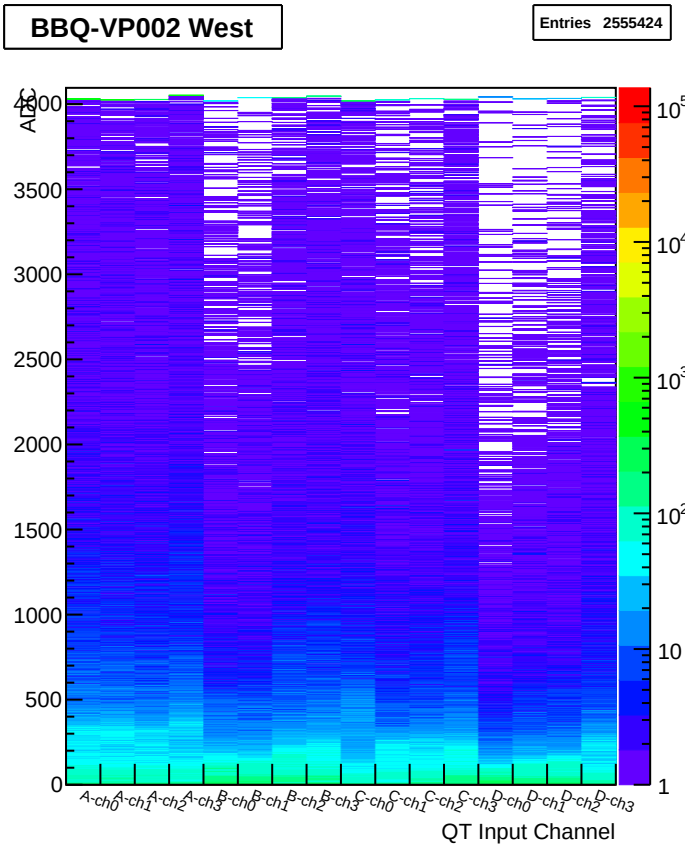

BBQ-BB002 (BBC west small tiles TAC)
Entries 2555424
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

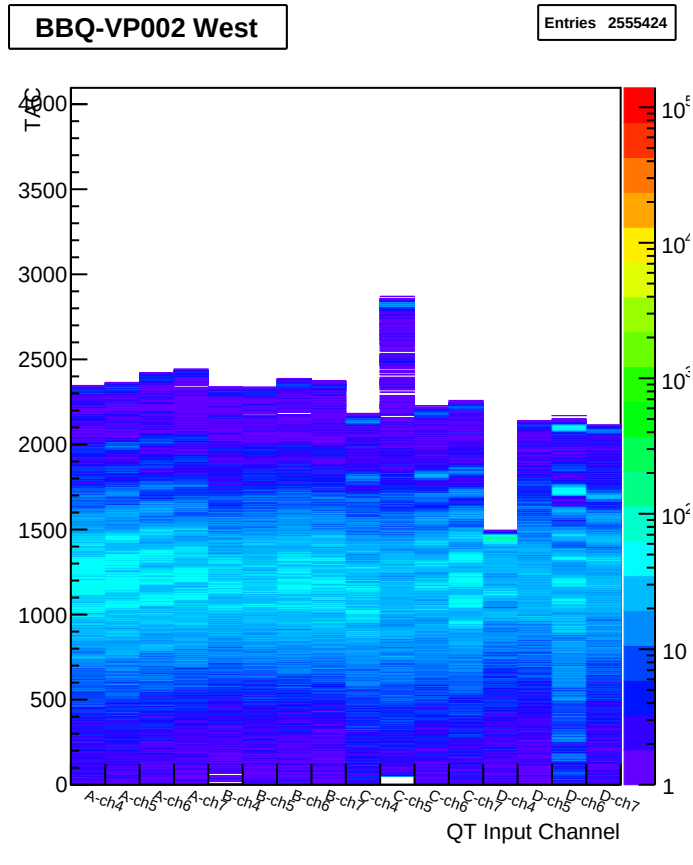

BBQ-ZD001 (ZDC TOWER)
Entries 2555424
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

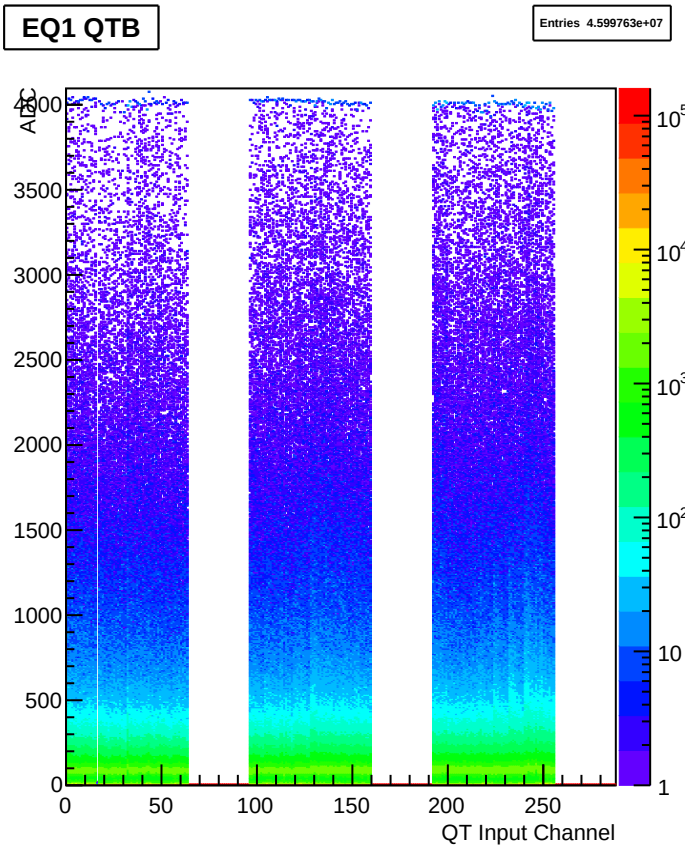

BBQ-ZD001 (ZDC TOWER)
Entries 2555424
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

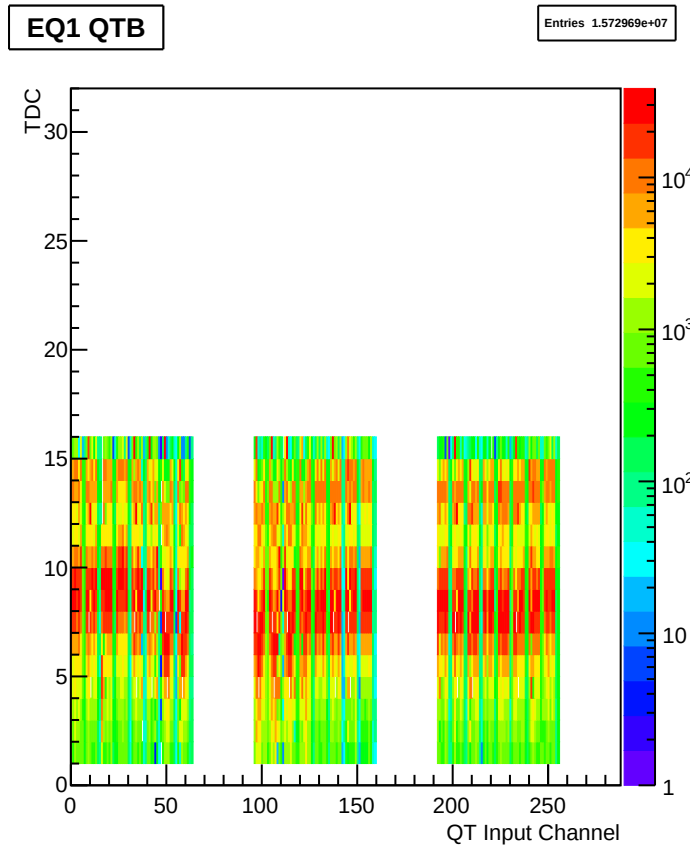

BBQ-VP001 East
Entries 2555424
ADC
QT Input Channel

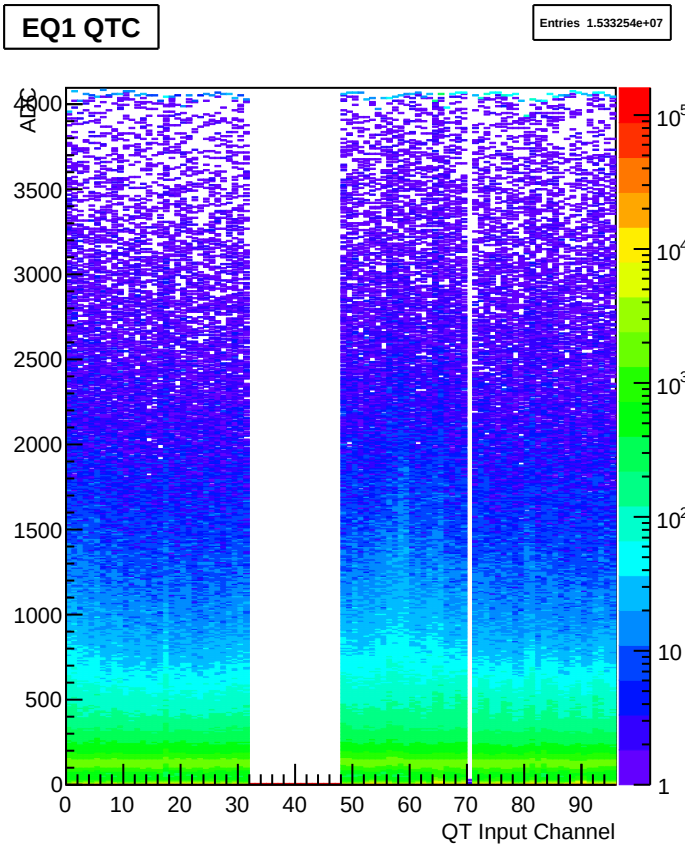

BBQ-VP001 East
Entries 2555424
TAC
QT Input Channel

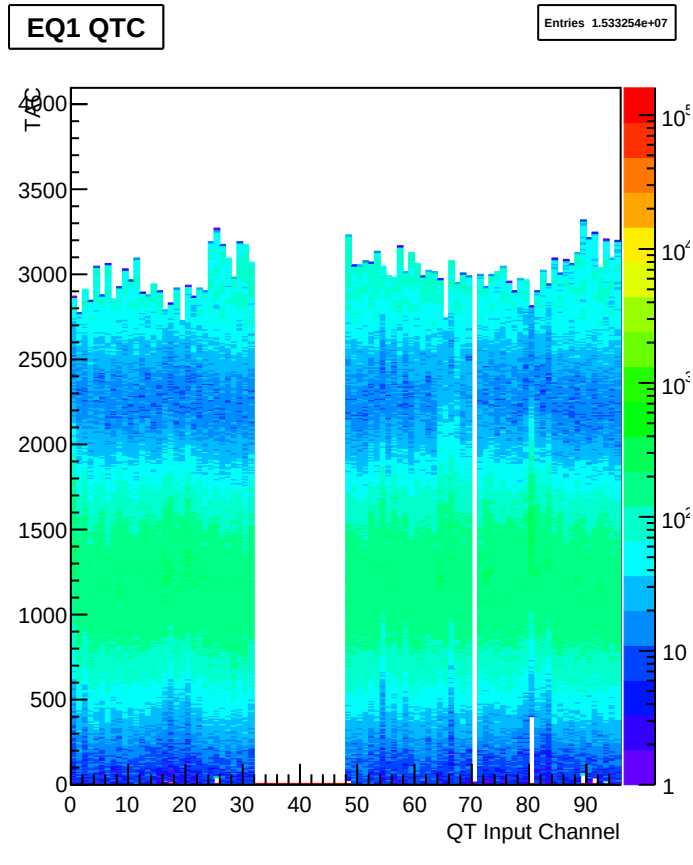

BBQ-VP002 West
Entries 2555424
ADC
QT Input Channel

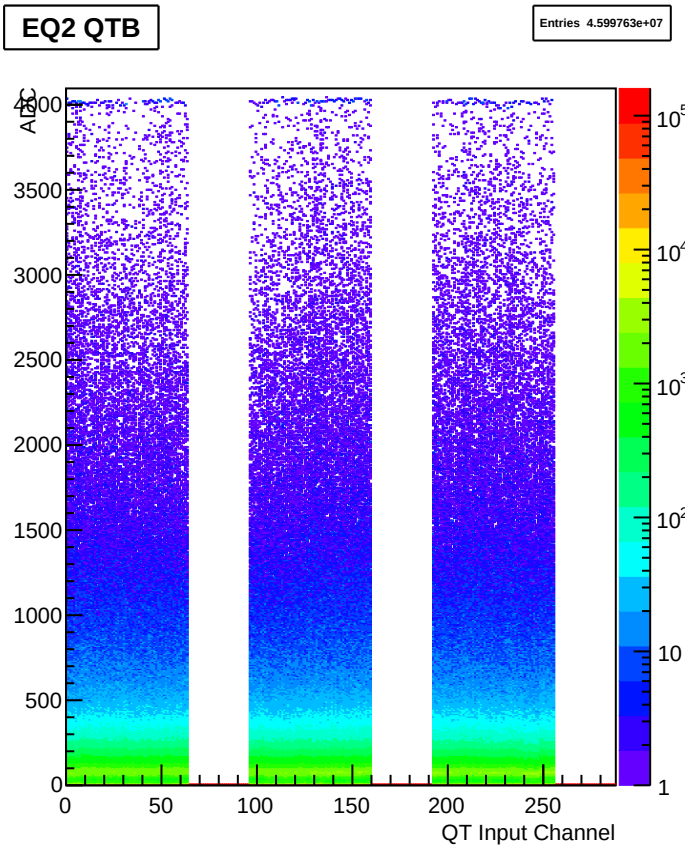

BBQ-VP002 West
Entries 2555424
TAC
QT Input Channel

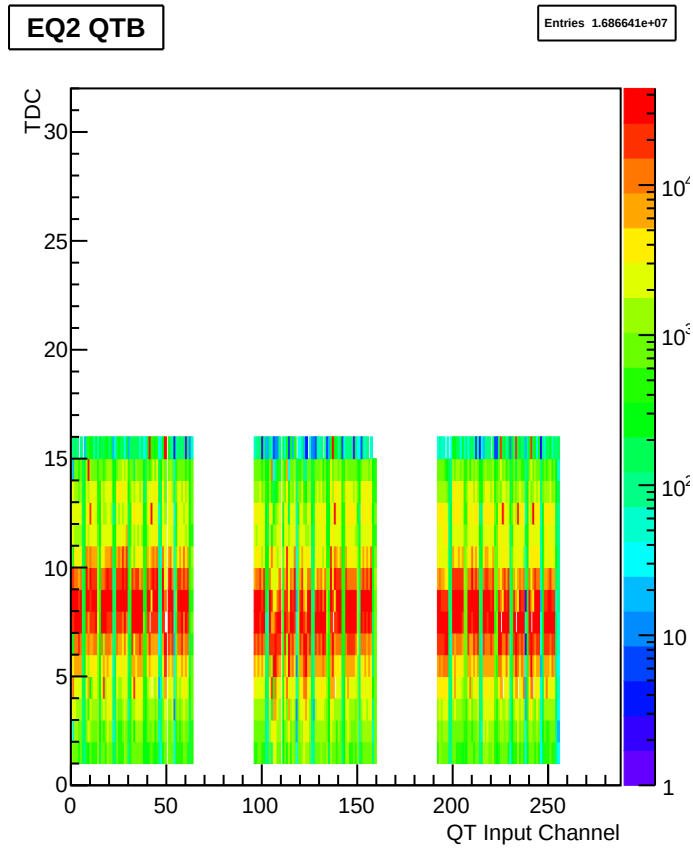

EQ1 QTB
Entries 4.599763e+07
ADC
QT Input Channel

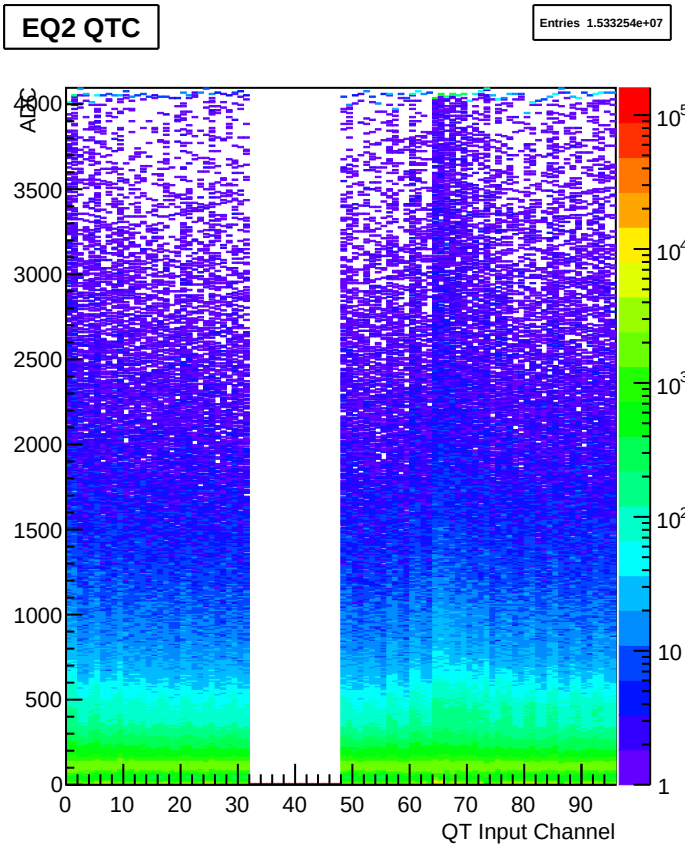

EQ1 QTB
Entries 1.572969e+07
TDC
QT Input Channel

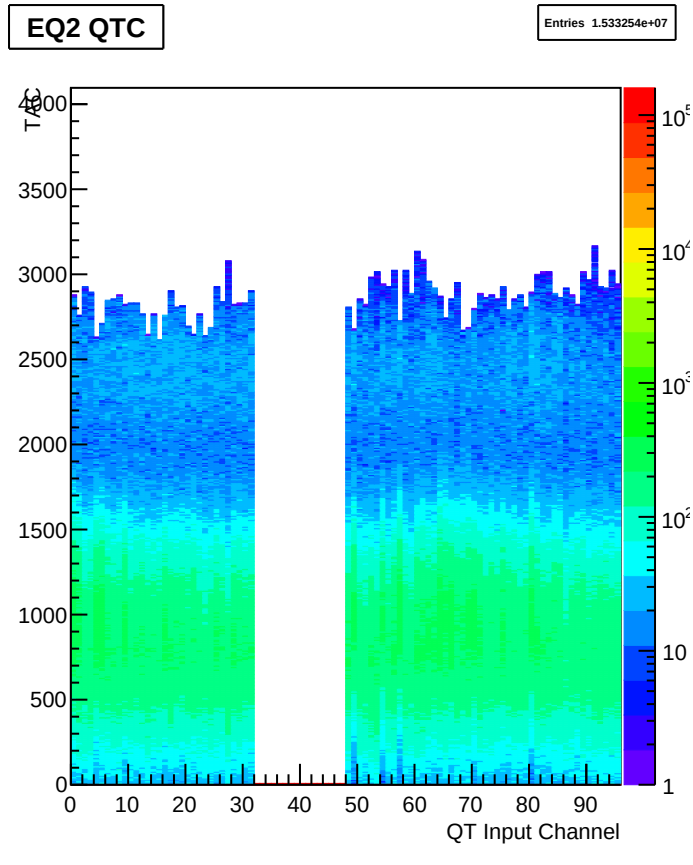

EQ1 QTC
Entries 1.533254e+07
ADC
QT Input Channel

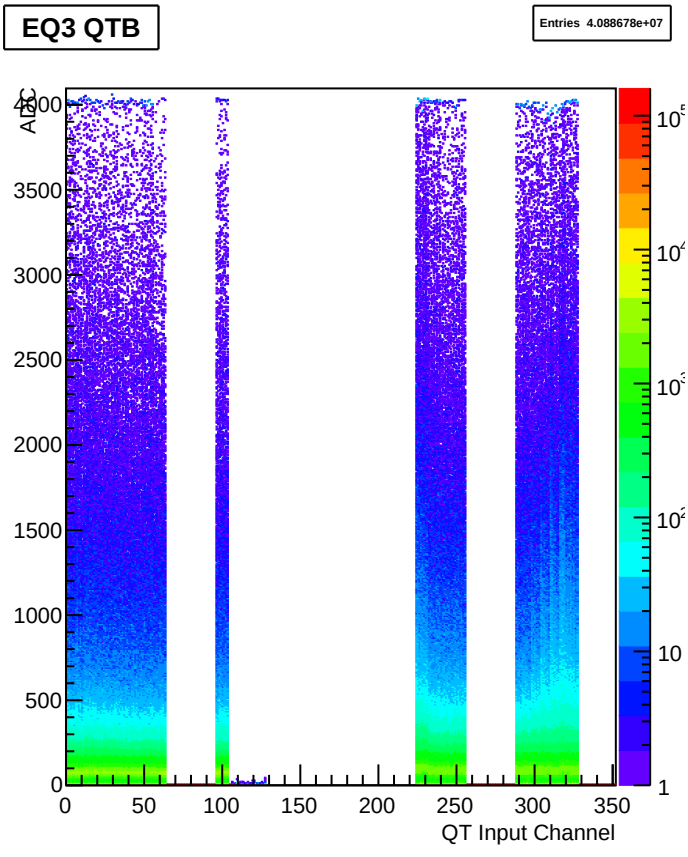

EQ1 QTC
Entries 1.533254e+07
TADC
QT Input Channel

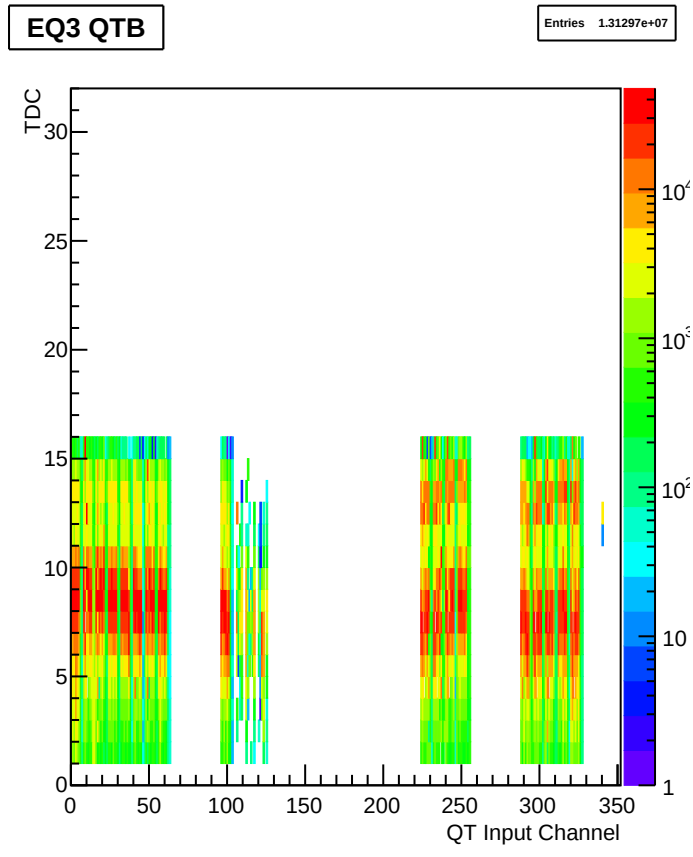

EQ2 QTB
Entries 4.599763e+07
ADC
QT Input Channel

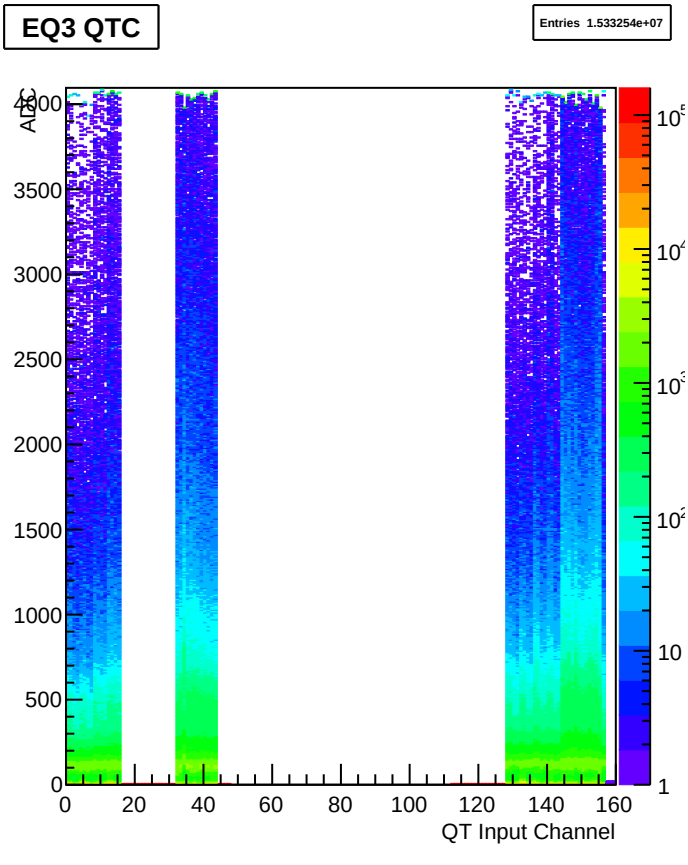

EQ2 QTB
Entries 1.686641e+07
TDC
QT Input Channel

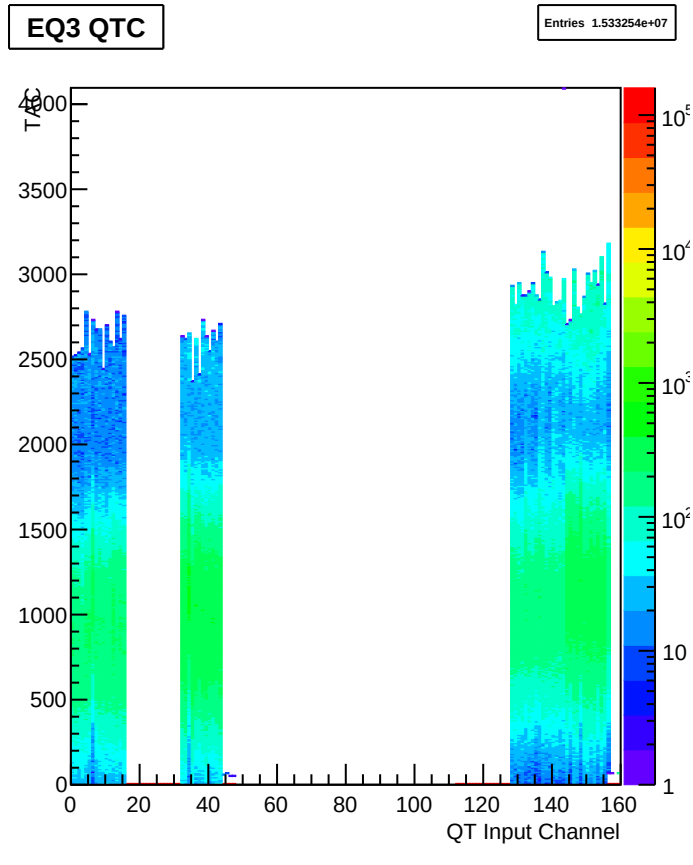

EQ2 QTC
Entries 1.533254e+07
ADC
QT Input Channel

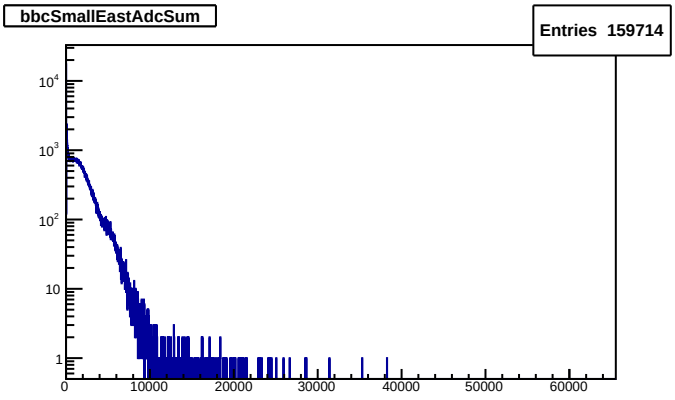

EQ2 QTC
Entries 1.533254e+07
TADC
QT Input Channel

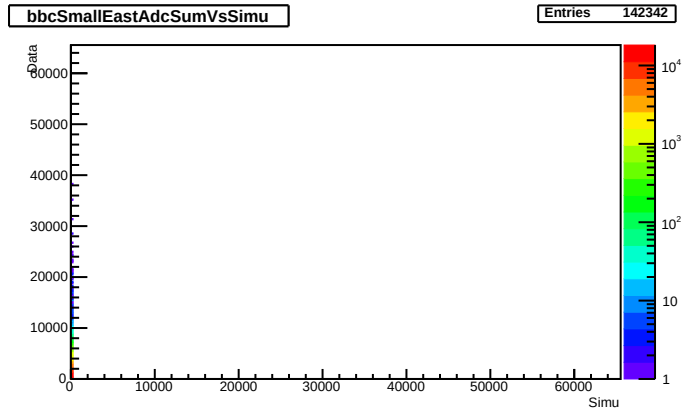

EQ3 QTB
Entries 4.088678e+07
ADC
QT Input Channel

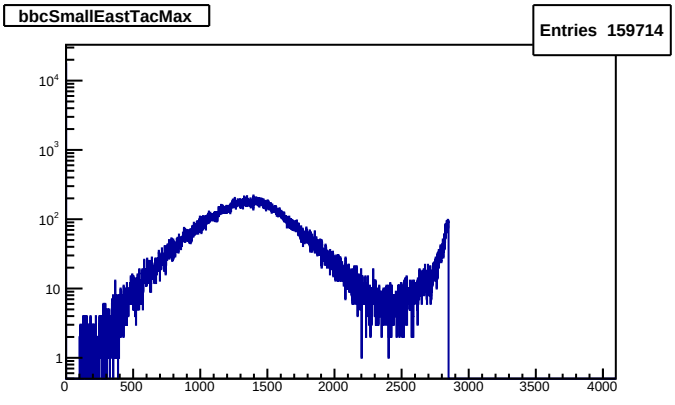

EQ3 QTB
Entries 1.31297e+07
TDC
QT Input Channel

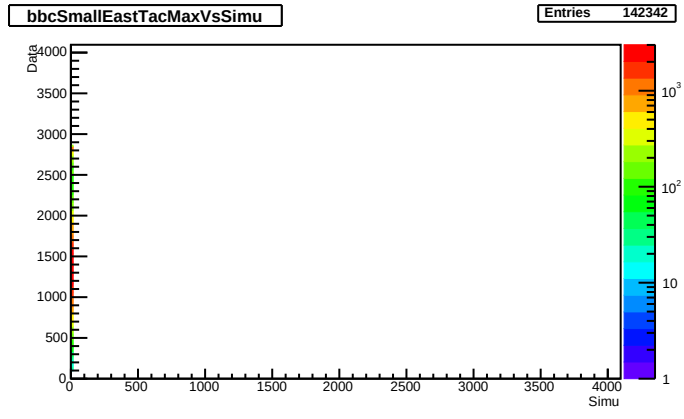

EQ3 QTC
Entries 1.533254e+07
ADC
QT Input Channel

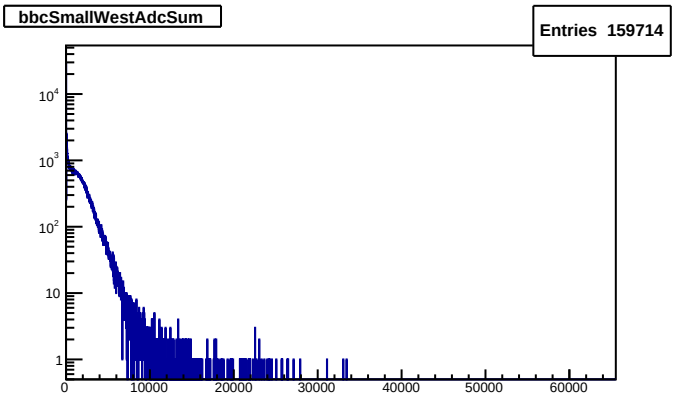

EQ3 QTC
Entries 1.533254e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 159714


bbcSmallEastAdcSumVsSimu
Entries 142342
Data
Simu


bbcSmallEastTacMax
Entries 159714


bbcSmallEastTacMaxVsSimu
Entries 142342
Data
Simu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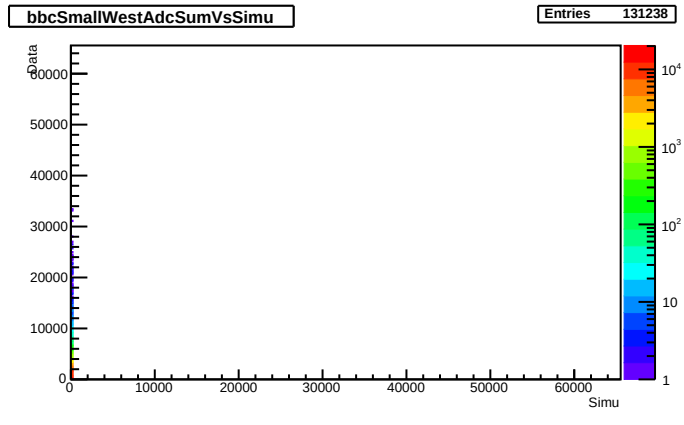
Entries 159714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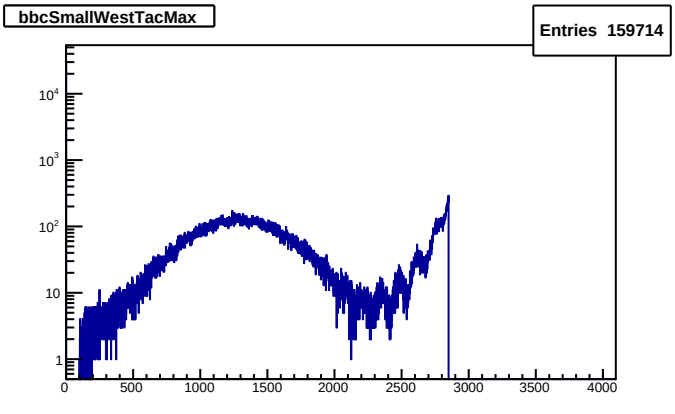
Entries 131238
Data
Simu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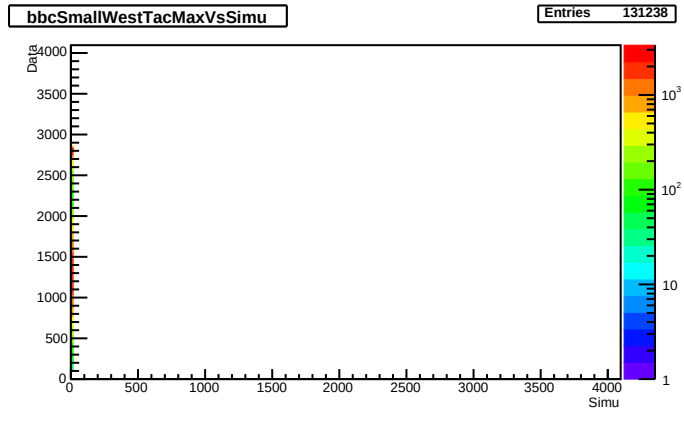
Entries 159714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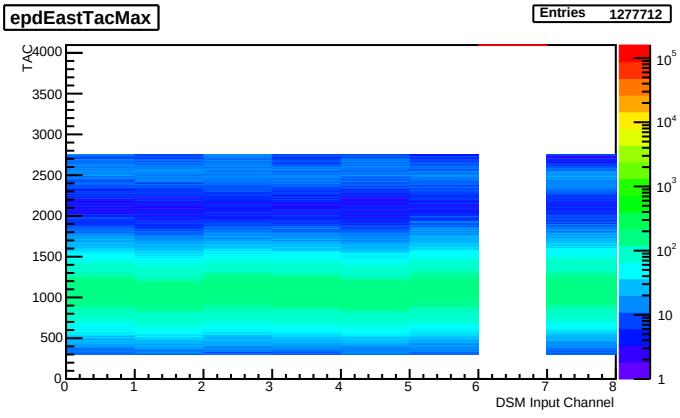
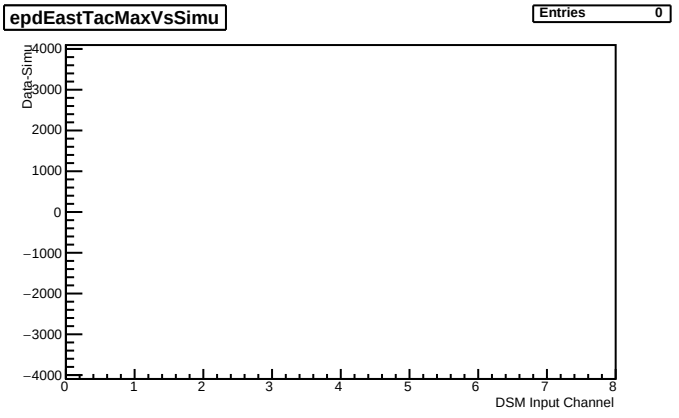
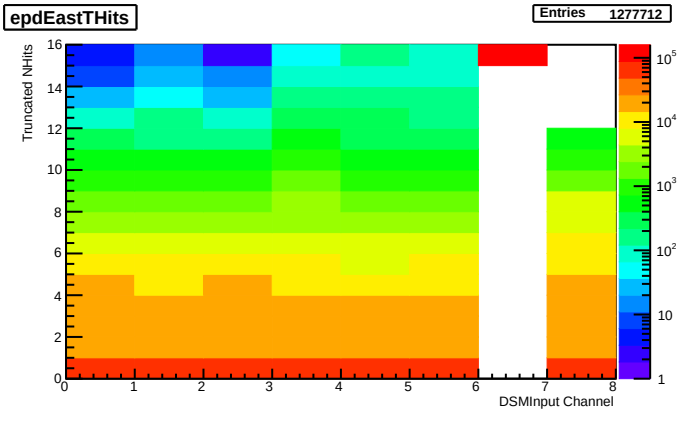
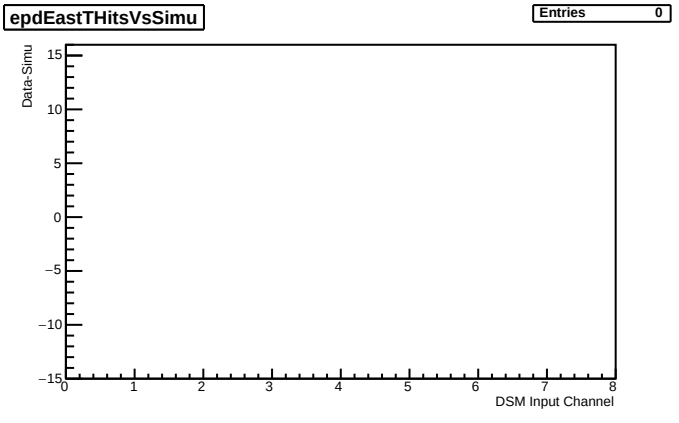
Entries 131238
Data
Simu


epdEastTacMax
Entries 1277712
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1277712
Truncated NHits
DSMInput Channel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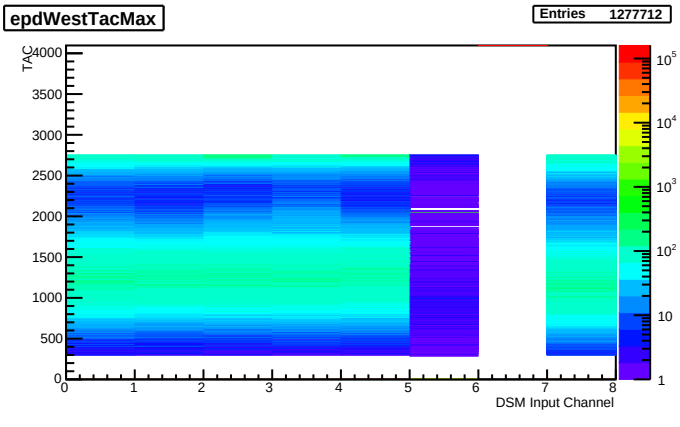
Data-Simu
DSM Input Channel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Entries 1277712
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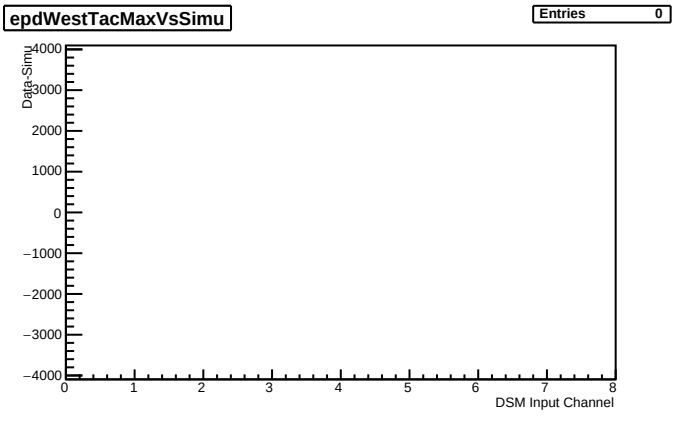
DSM Input Channel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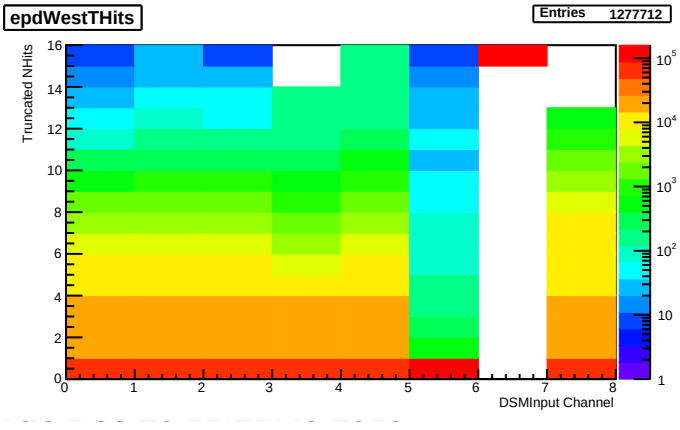
DSM Input Channel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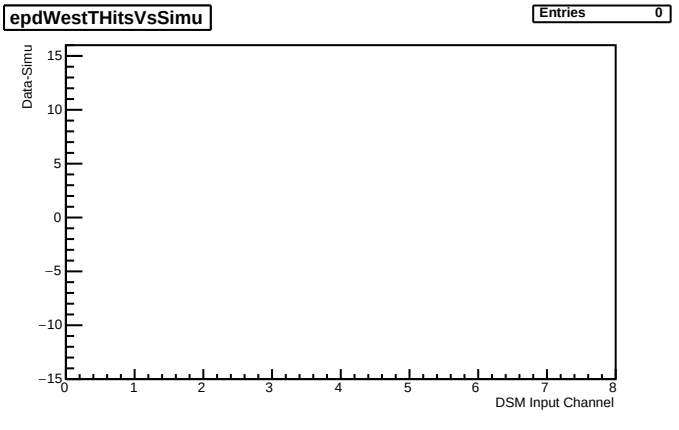
Entries 1277712
Truncated NHits
DSMInput Channel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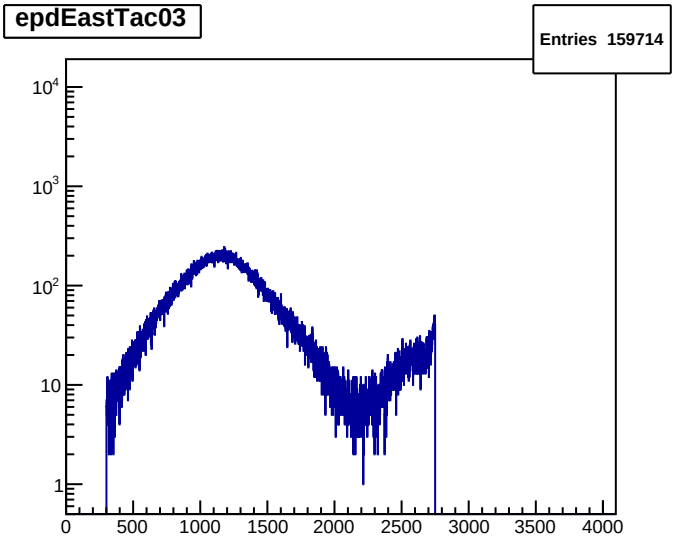
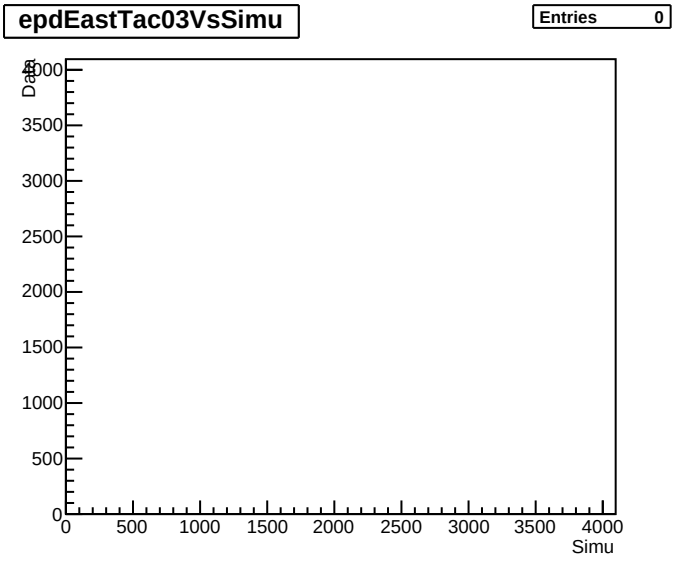
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 159714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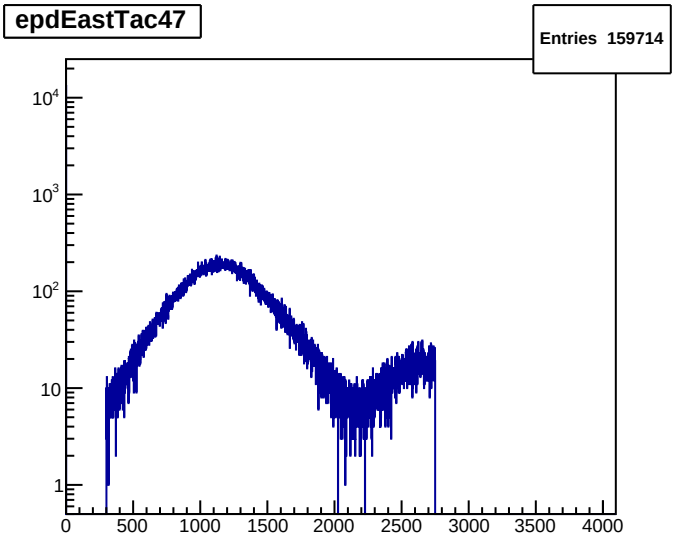
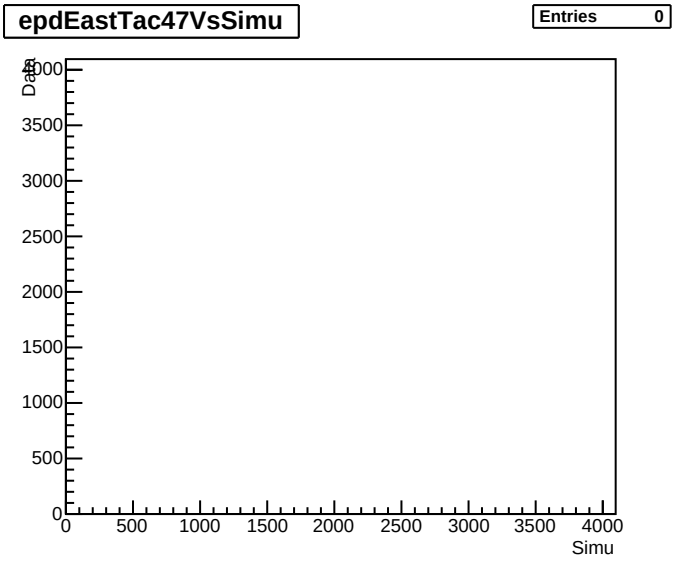
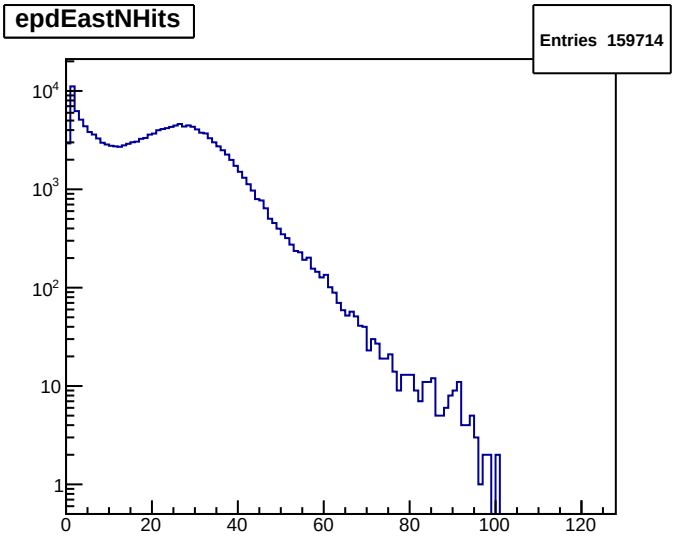
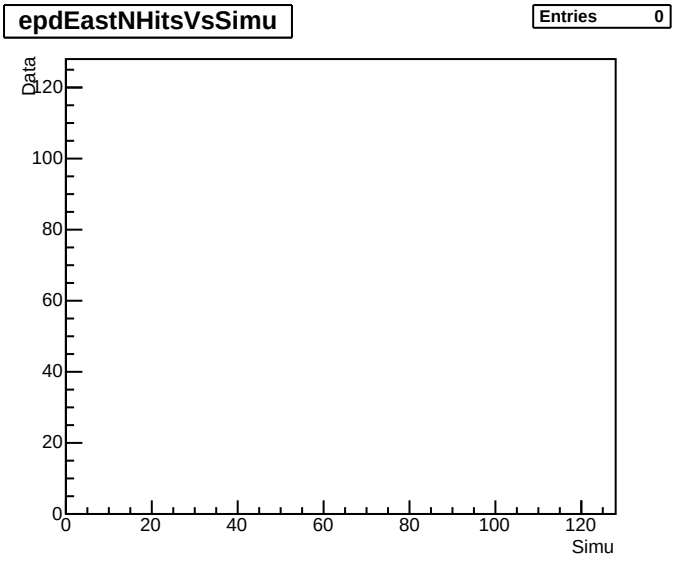
Entries 0
Data
Simu


epdEastTac47
Entries 159714


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 159714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Data
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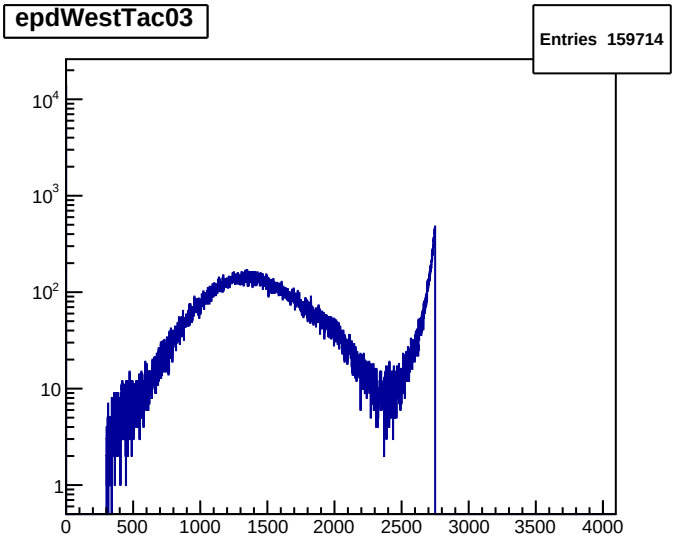
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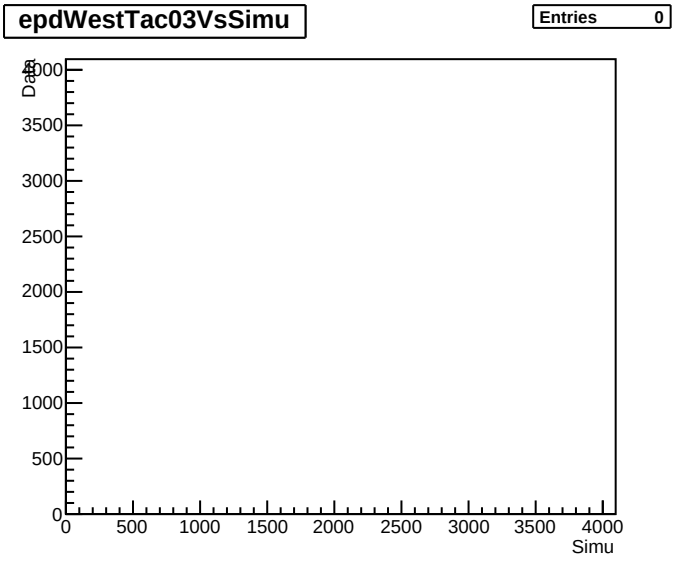
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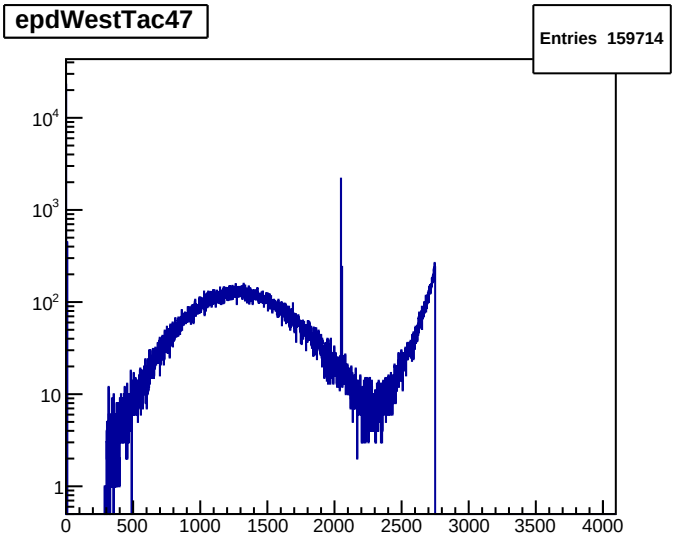
Entries 0
Data
Simu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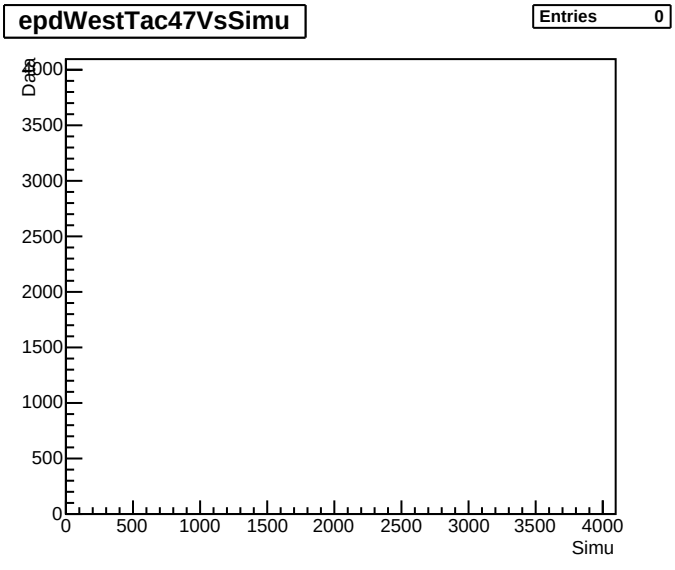
Entries 159714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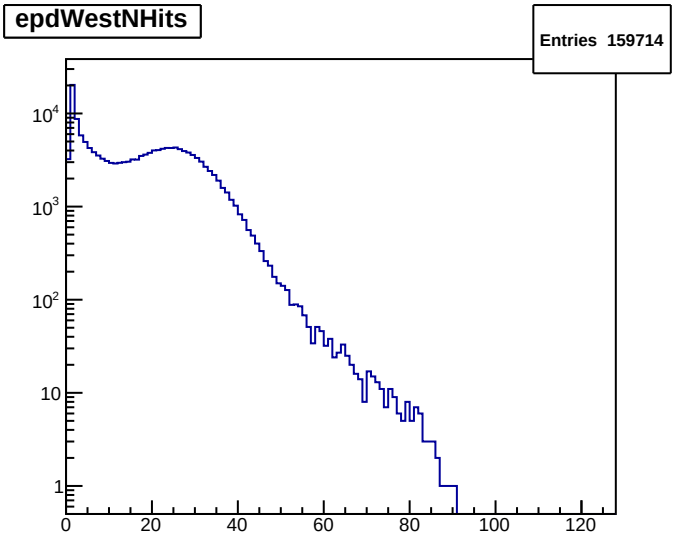
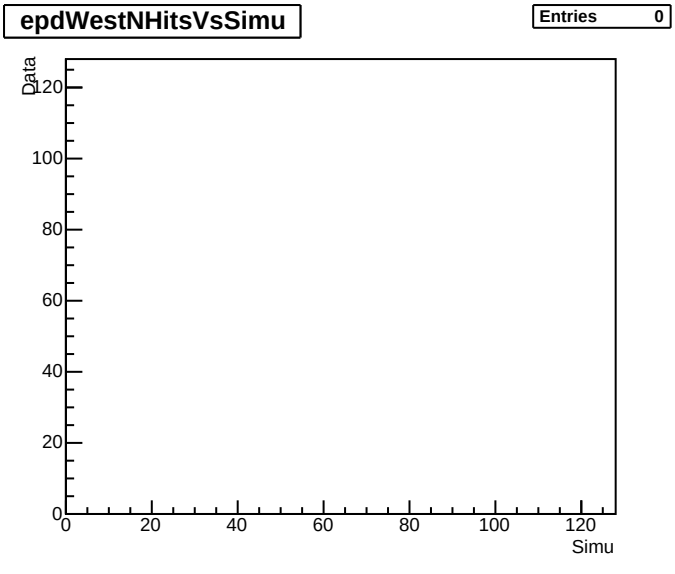
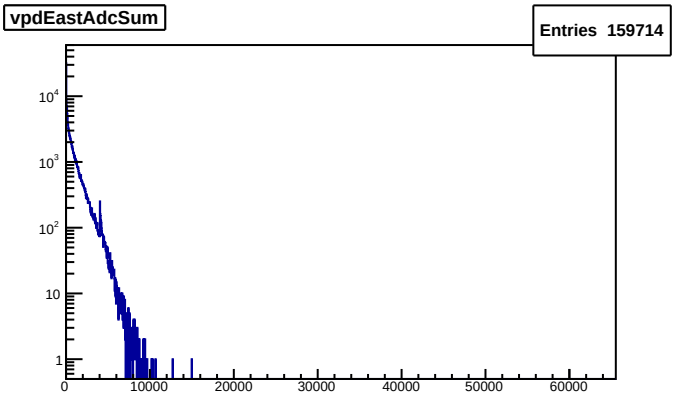
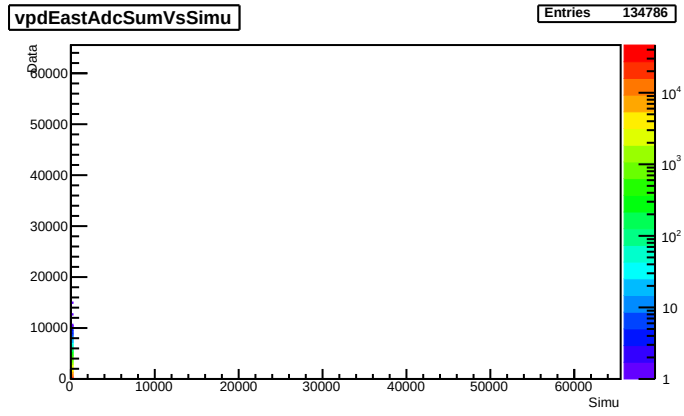
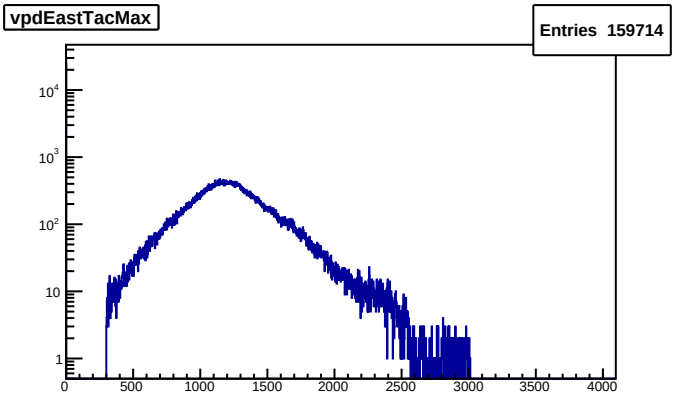
Entries 0
Data
Simu

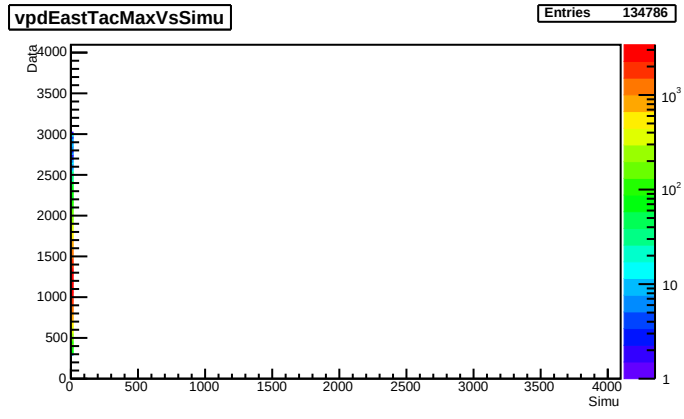

epdWestNHits
Entries 159714

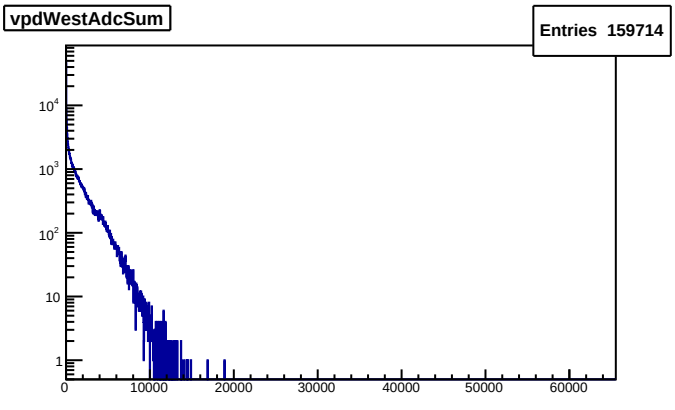

epdWestNHitsVsSimu
Entries 0
Data
Simu

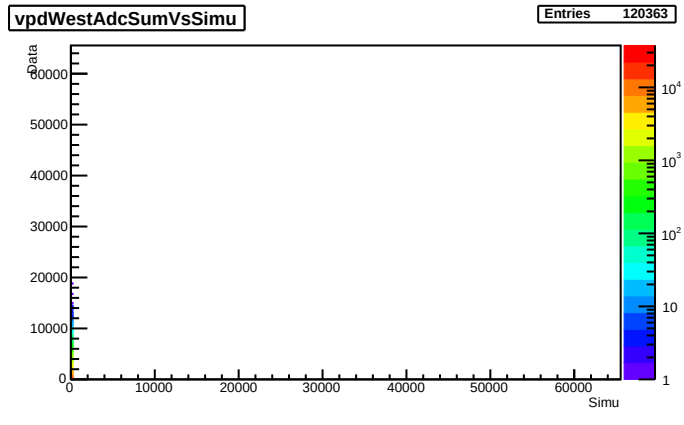

vpdEastAdcSum
Entries 159714

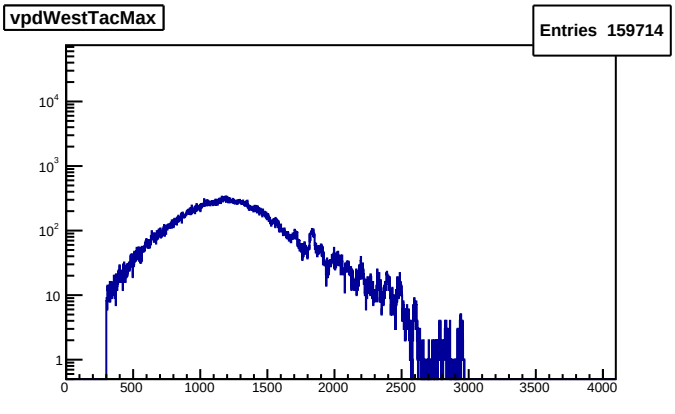

vpdEastAdcSumVsSimu
Entries 134786
Data
Simu

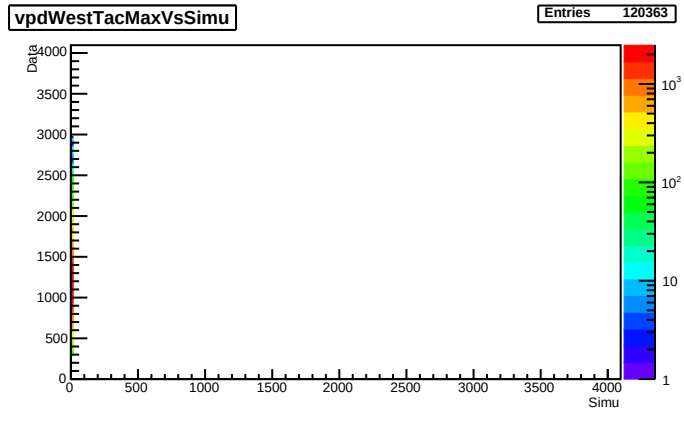

vpdEastTacMax
Entries 159714

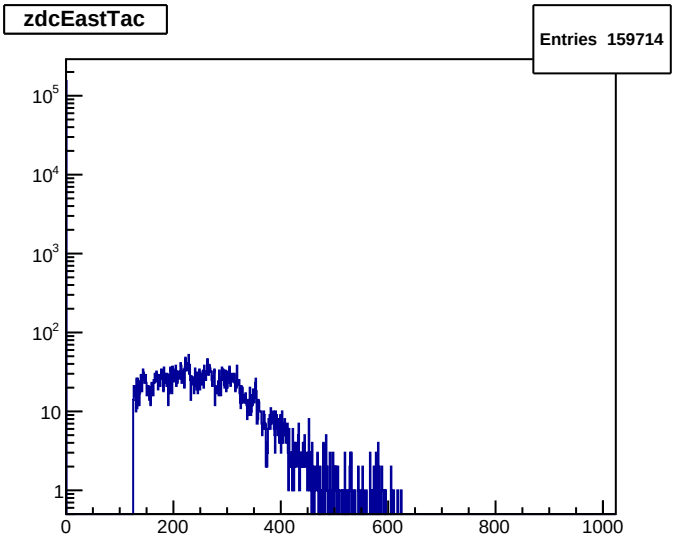

vpdEastTacMaxVsSimu
Entries 134786
Data
Simu

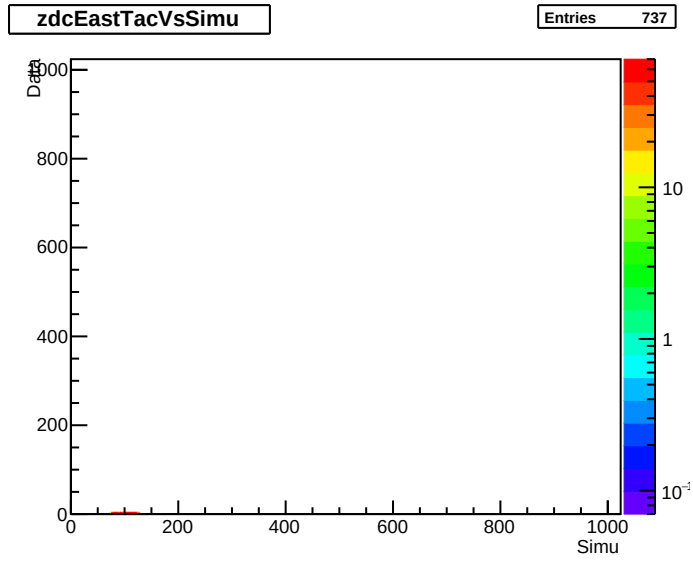

vpdWestAdcSum
Entries 159714

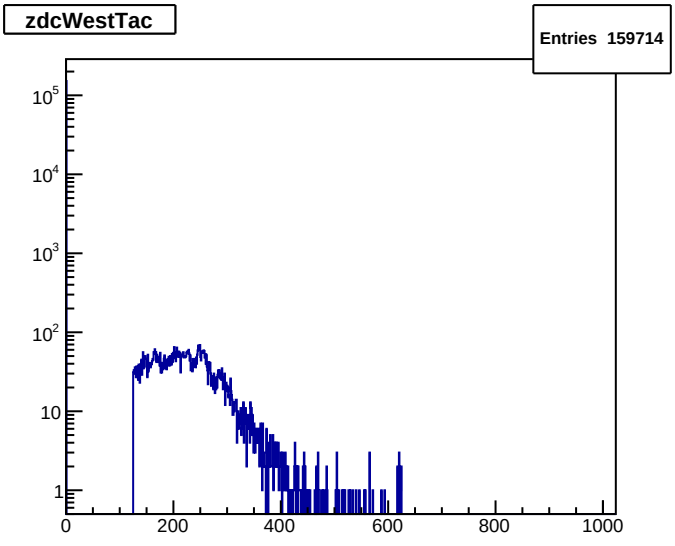

vpdWestAdcSumVsSimu
Entries 120363
Data
Simu

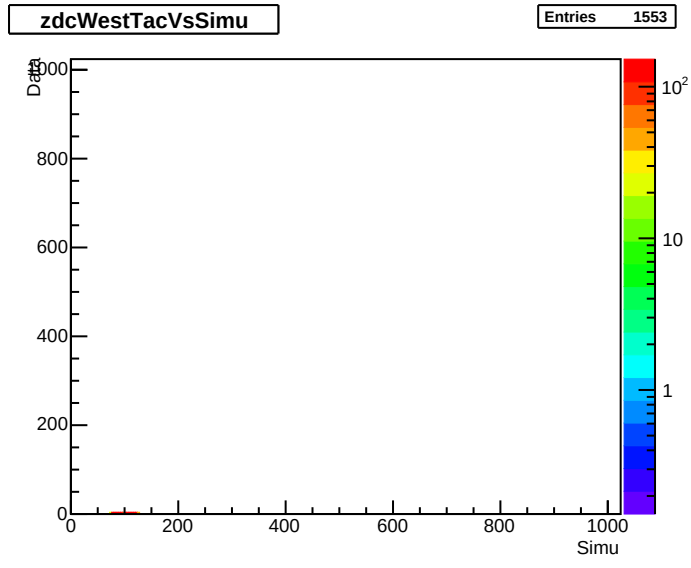

vpdWestTacMax
Entries 159714

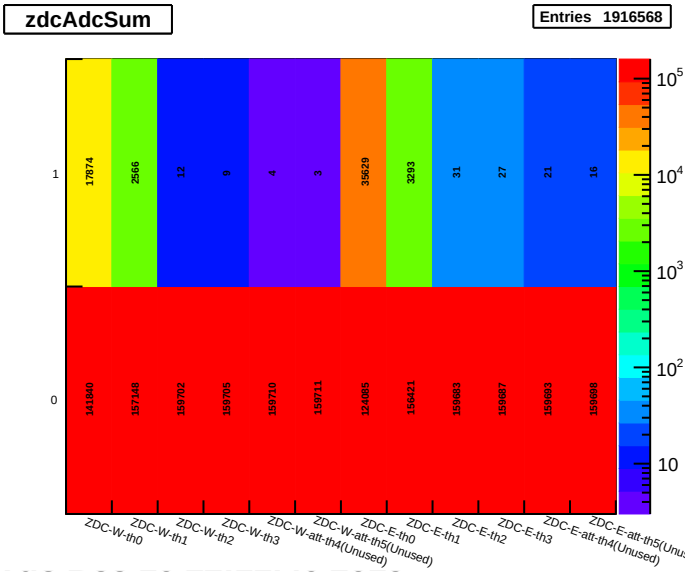

vpdWestTacMaxVsSimu
Entries 120363
Data
Simu

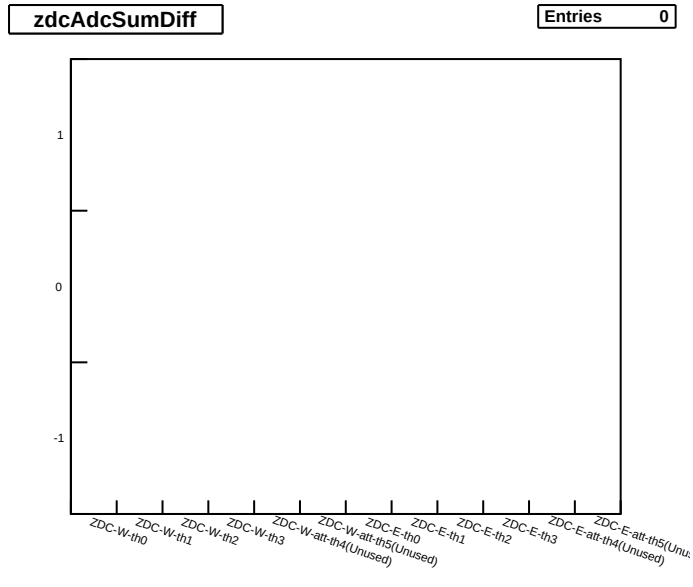

zdcEastTac
Entries 159714

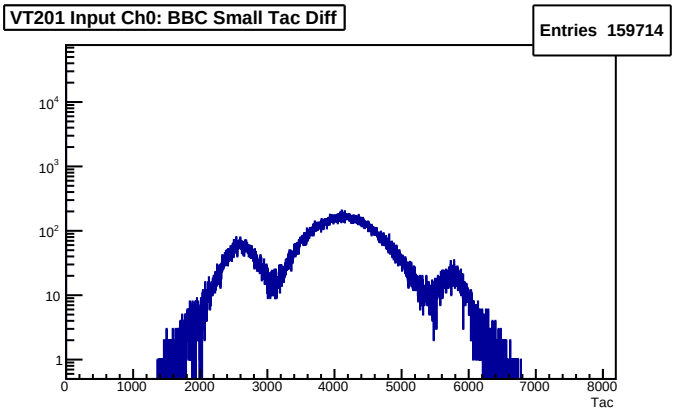

zdcEastTacVsSimu
Entries 737
Data
Simu

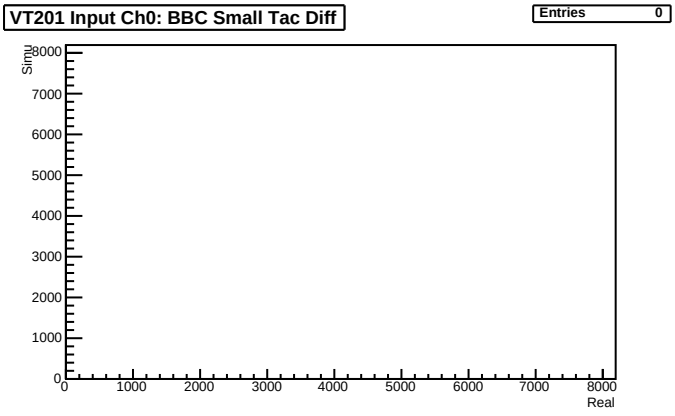

zdcWestTac
Entries 159714

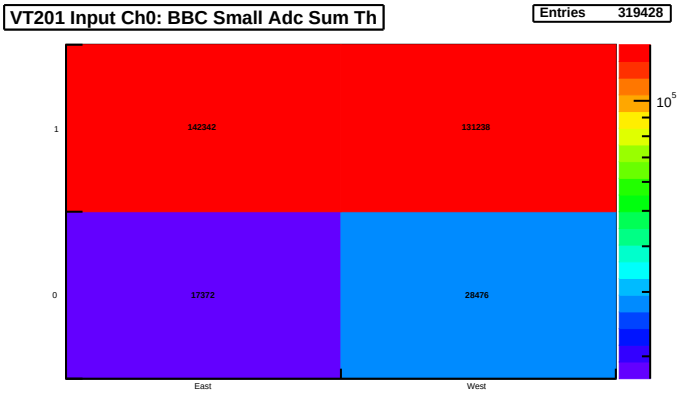

zdcWestTacVsSimu
Entries 1553
Data
Simu

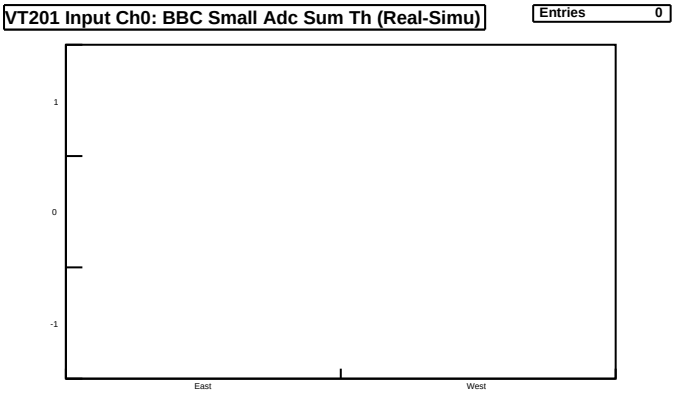

zdcAdcSum
Entries 1916568
17874
2566
12
9
4
3
35629
3293
31
27
21
16
141840
157148
159702
159705
159710
159711
124085
156421
159683
159687
159693
159698
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

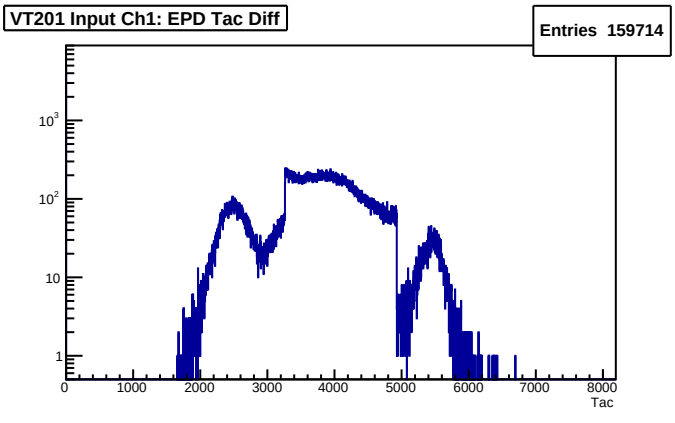

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

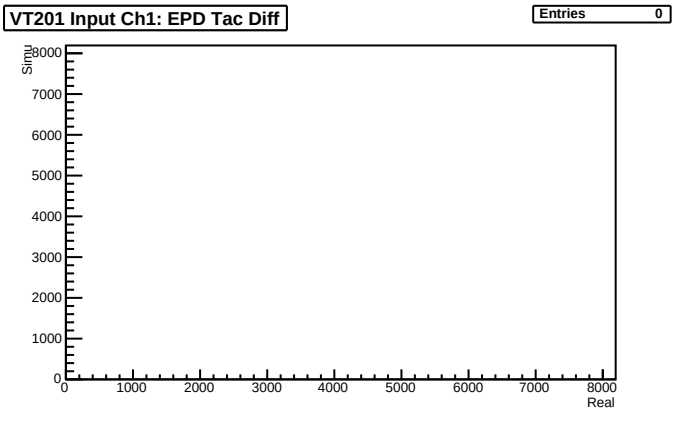

VT201 Input Ch0: BBC Small Tac Diff
Entries 159714
Tac

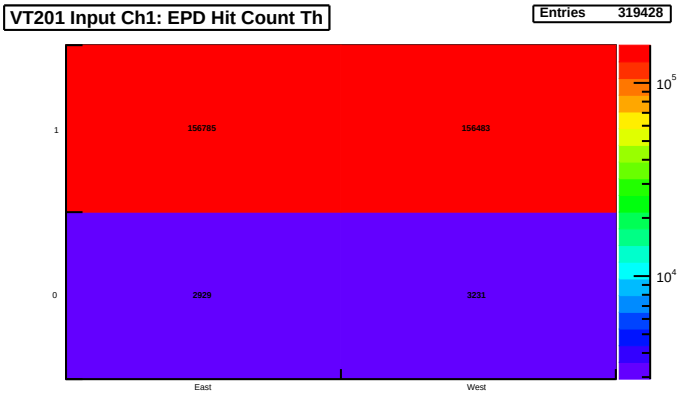

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

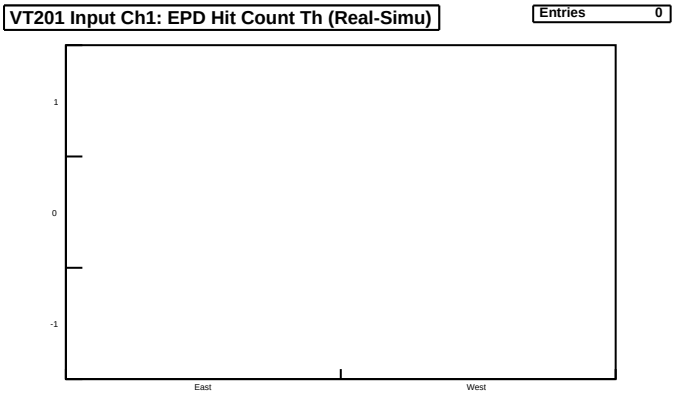

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 319428
142342
131238
17372
28476
East
West

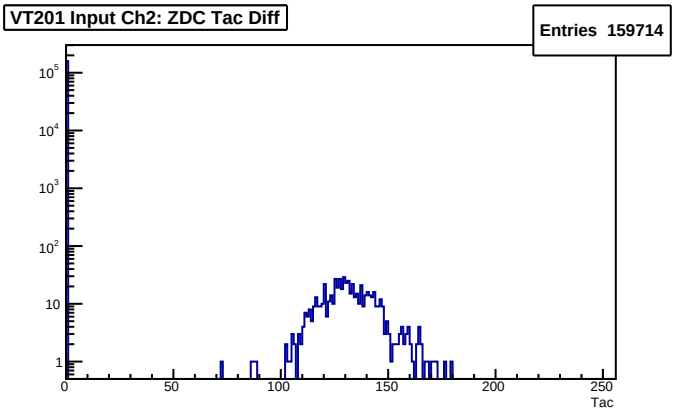

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

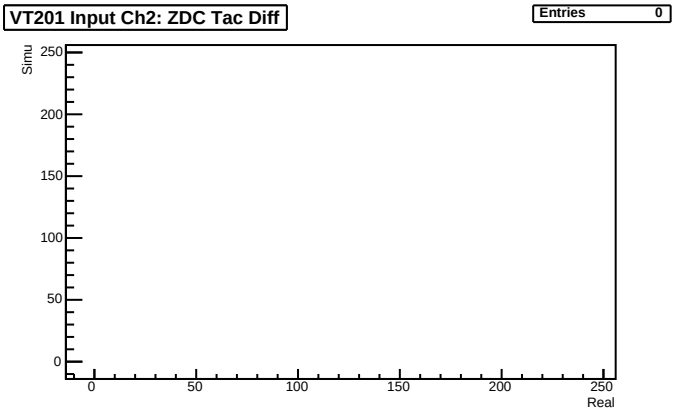

VT201 Input Ch1: EPD Tac Diff
Entries 159714
Tac

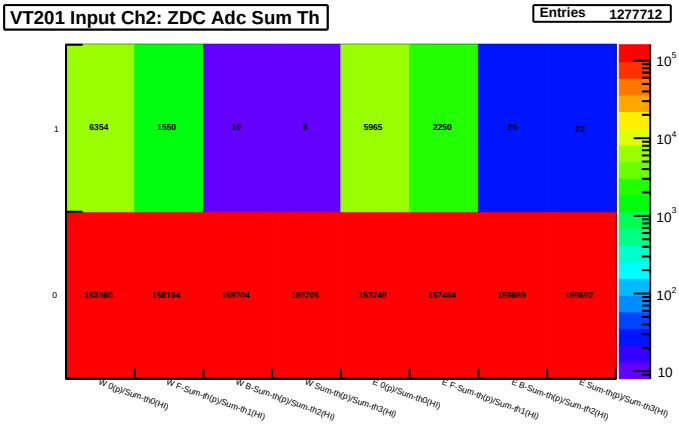

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

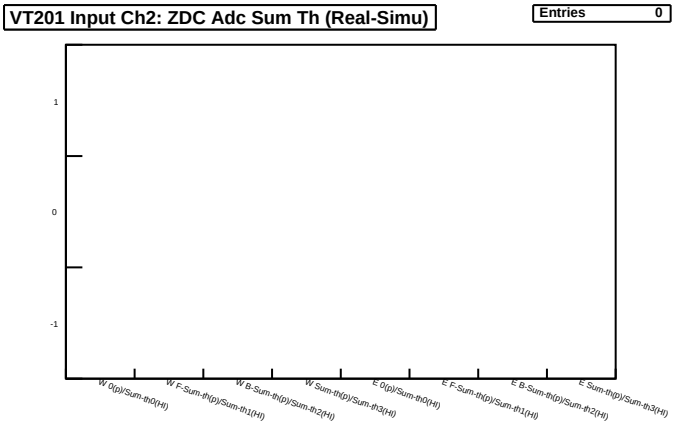

VT201 Input Ch1: EPD Hit Count Th
Entries 319428
156785
156483
2929
3231
East
West

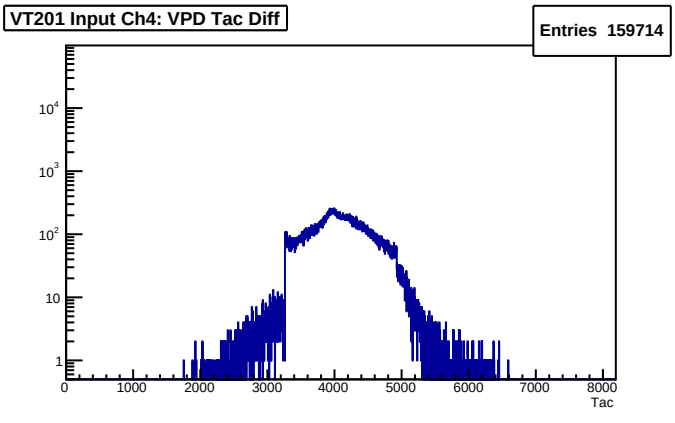

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

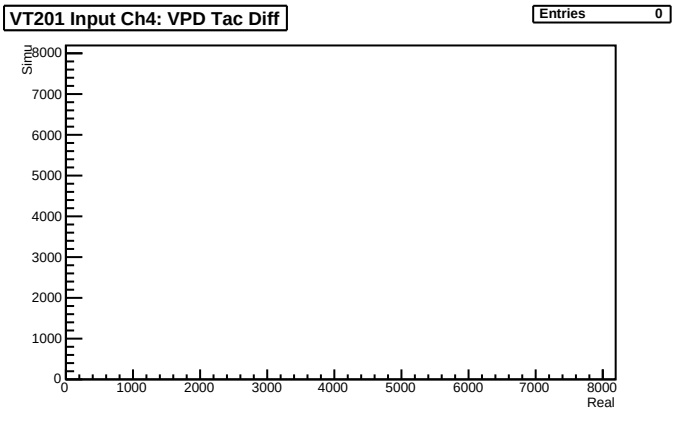

VT201 Input Ch2: ZDC Tac Diff
Entries 159714
Tac

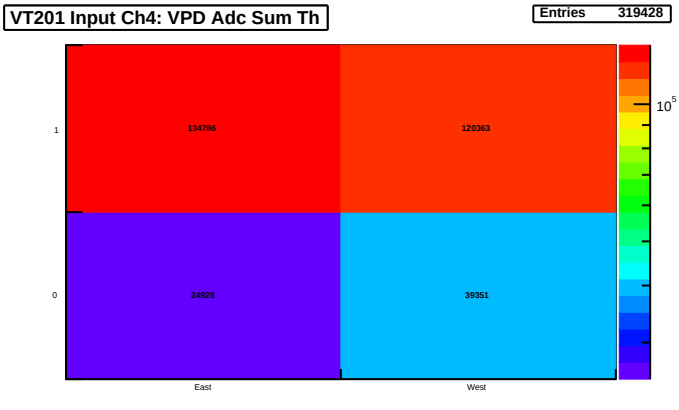

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

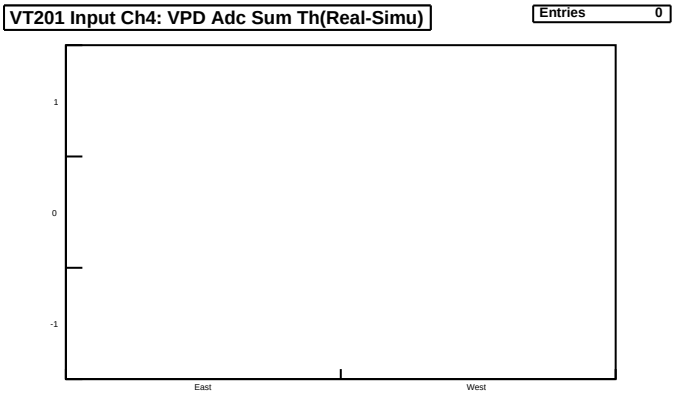

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1277712
6354
1550
10
8
5965
2250
25
22
153360
158164
159704
159706
153749
157464
159689
159692
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

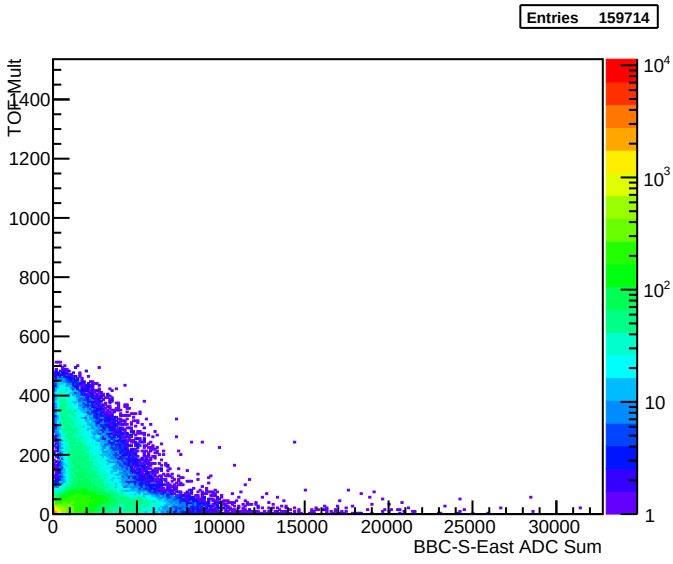

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

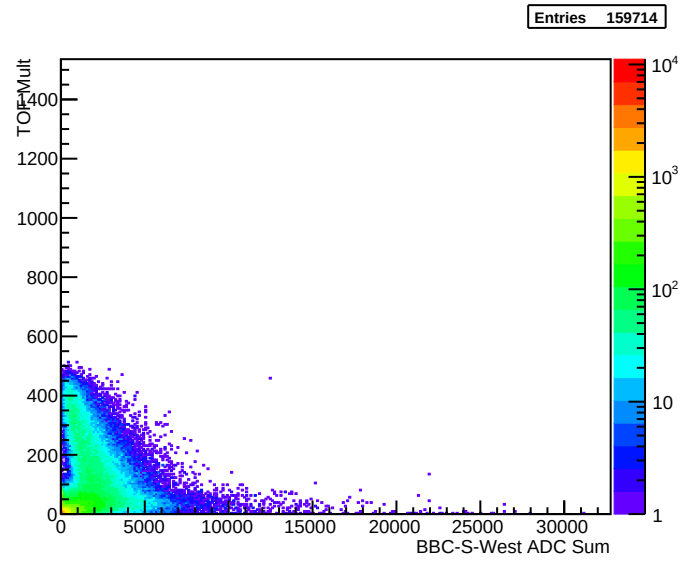

VT201 Input Ch4: VPD Tac Diff
Entries 159714
Tac

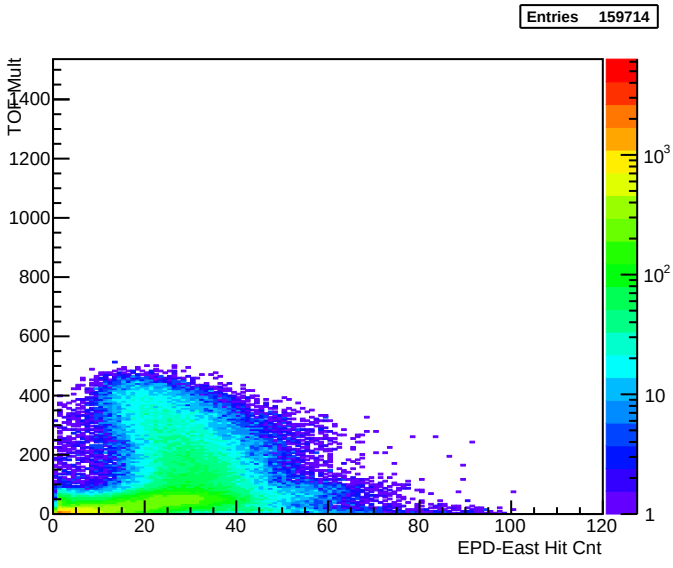

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

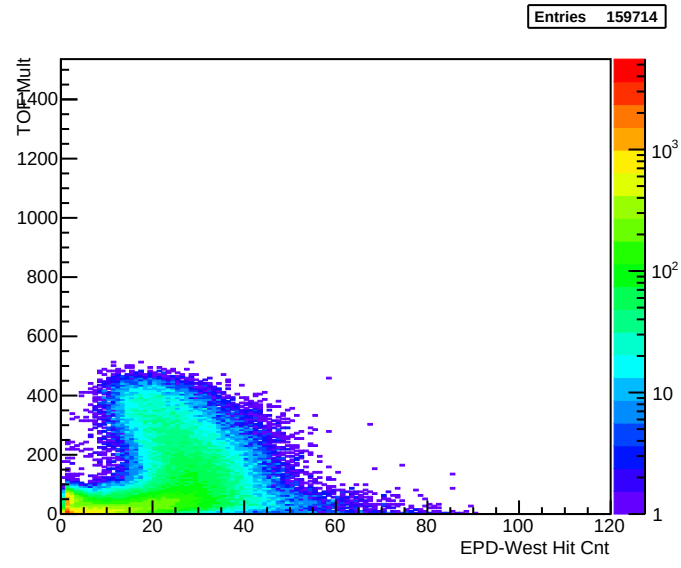

VT201 Input Ch4: VPD Adc Sum Th
Entries 319428
134786
120363
24928
39351
East
West

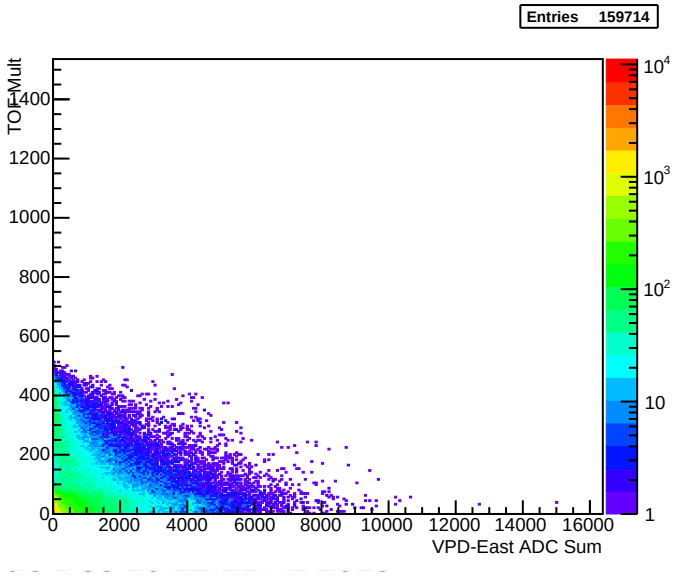

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

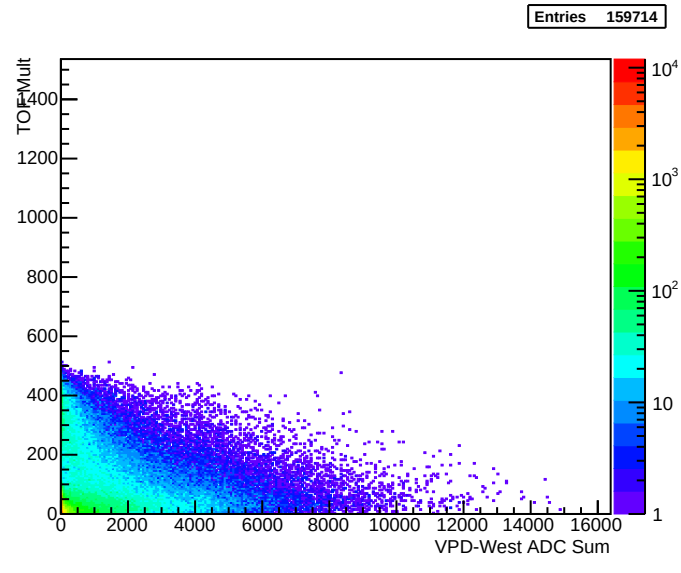

Entries 159714
TOF-Mult
BBC-S-East ADC Sum

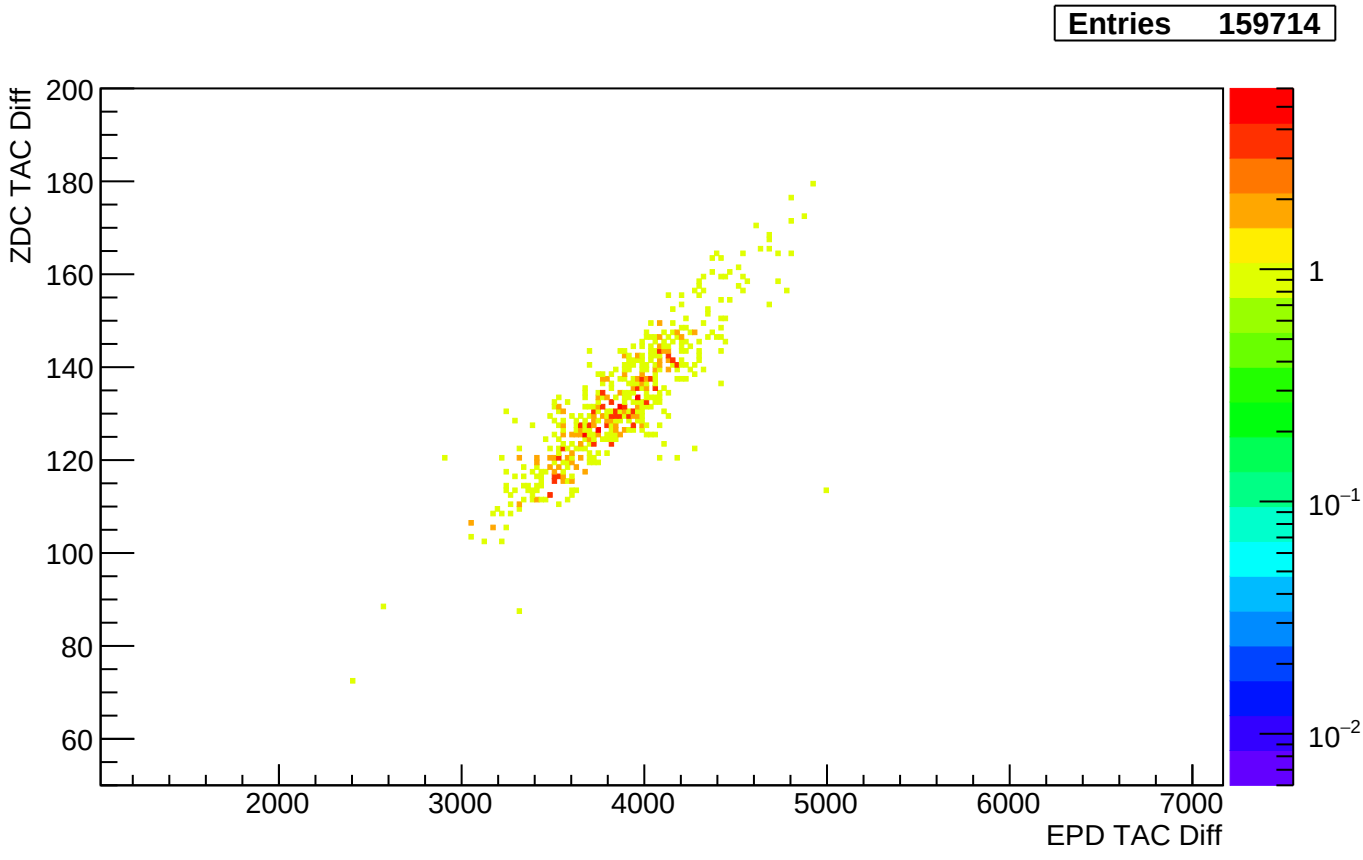

Entries 159714
TOF-Mult
BBC-S-West ADC Sum

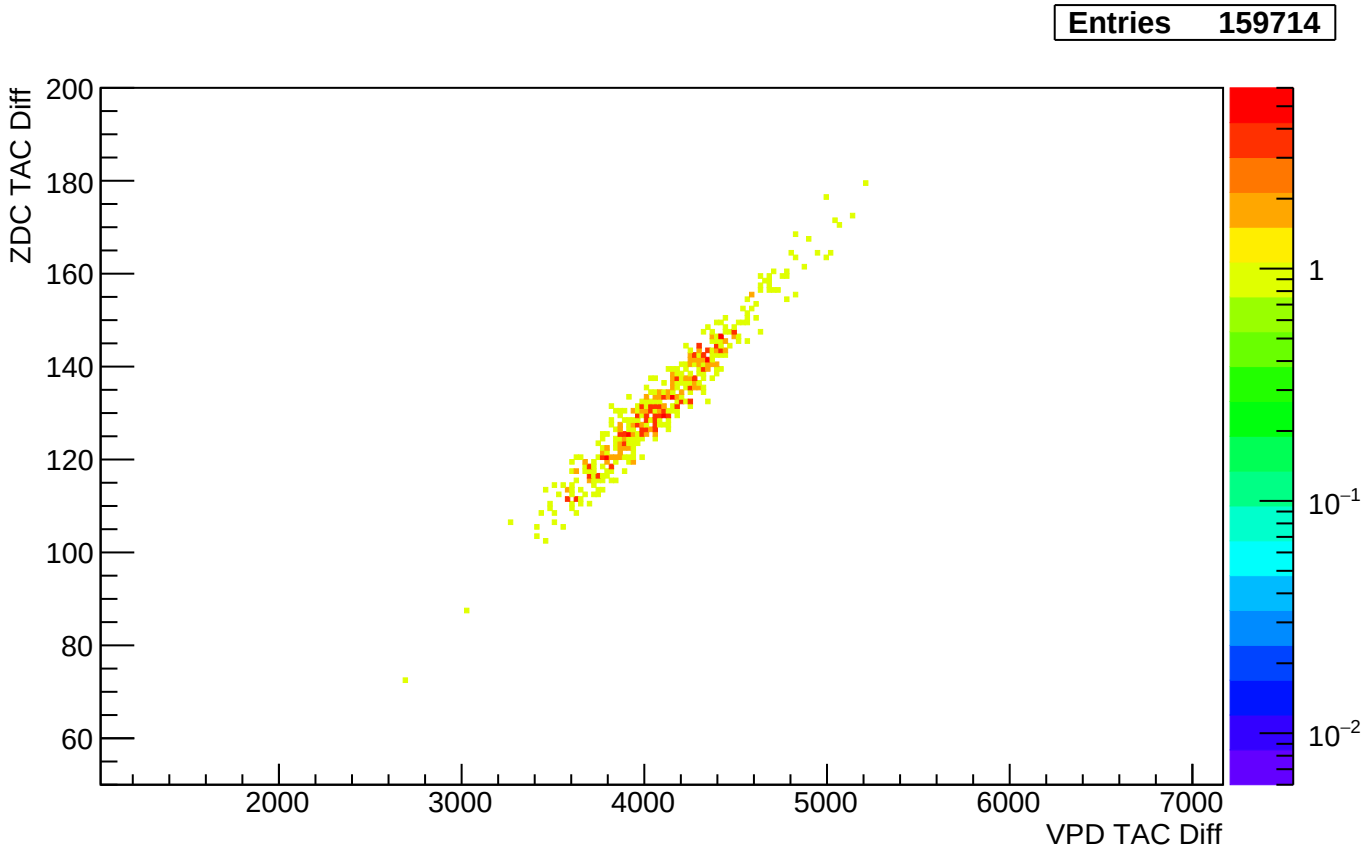

Entries 159714
TOF-Mult
EPD-East Hit Cnt

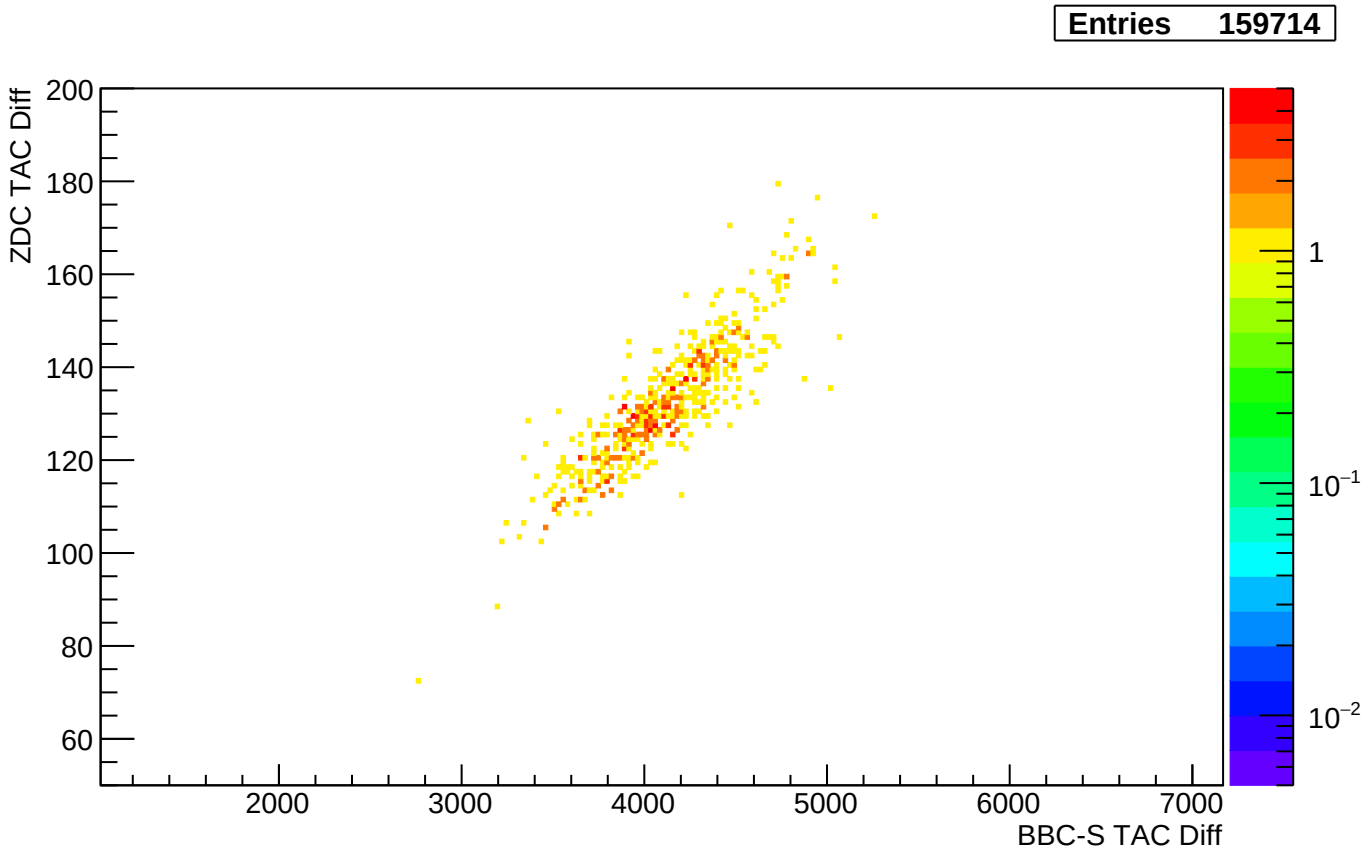

Entries 159714
TOF-Mult
EPD-West Hit Cnt

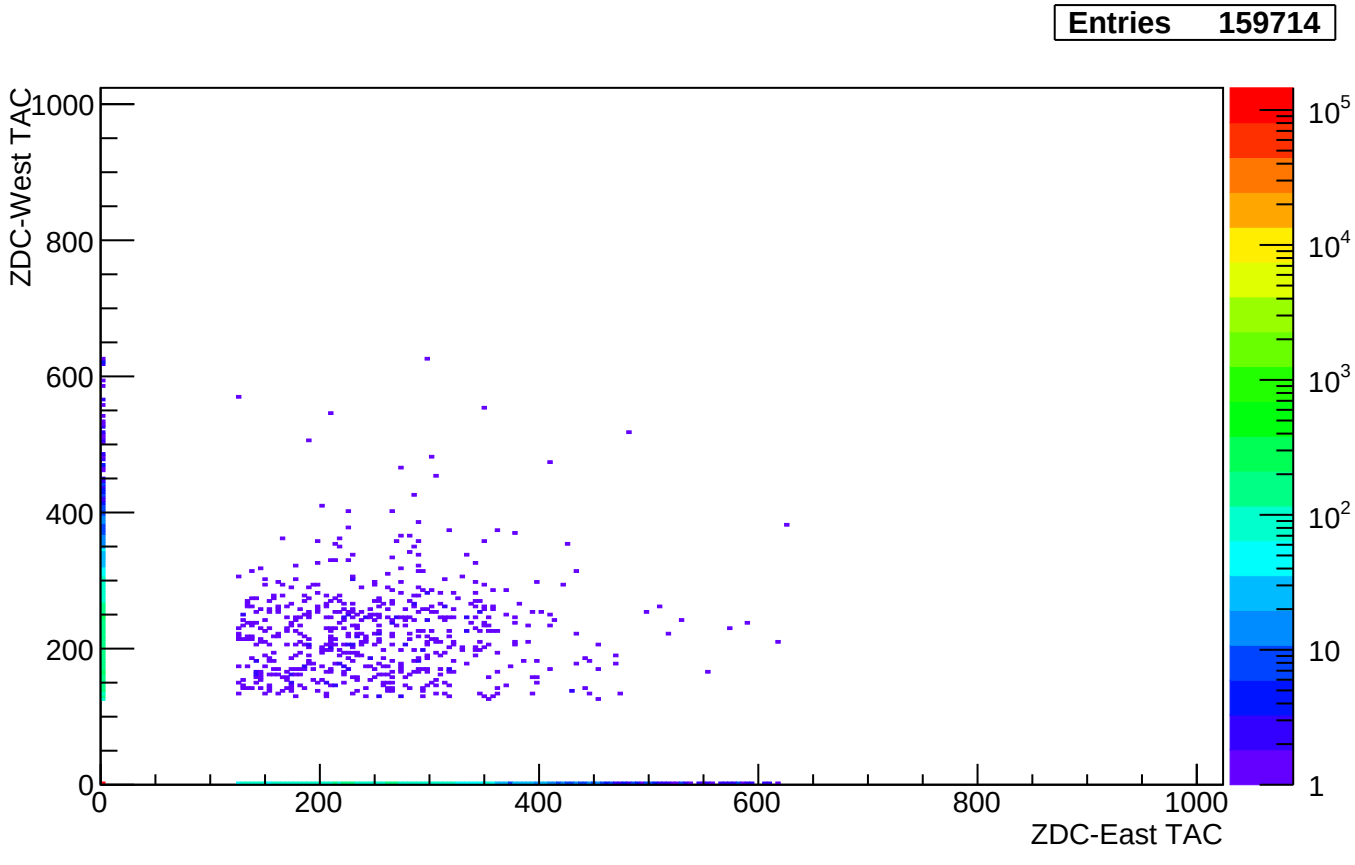

Entries 159714
TOF-Mult
VPD-East ADC Sum

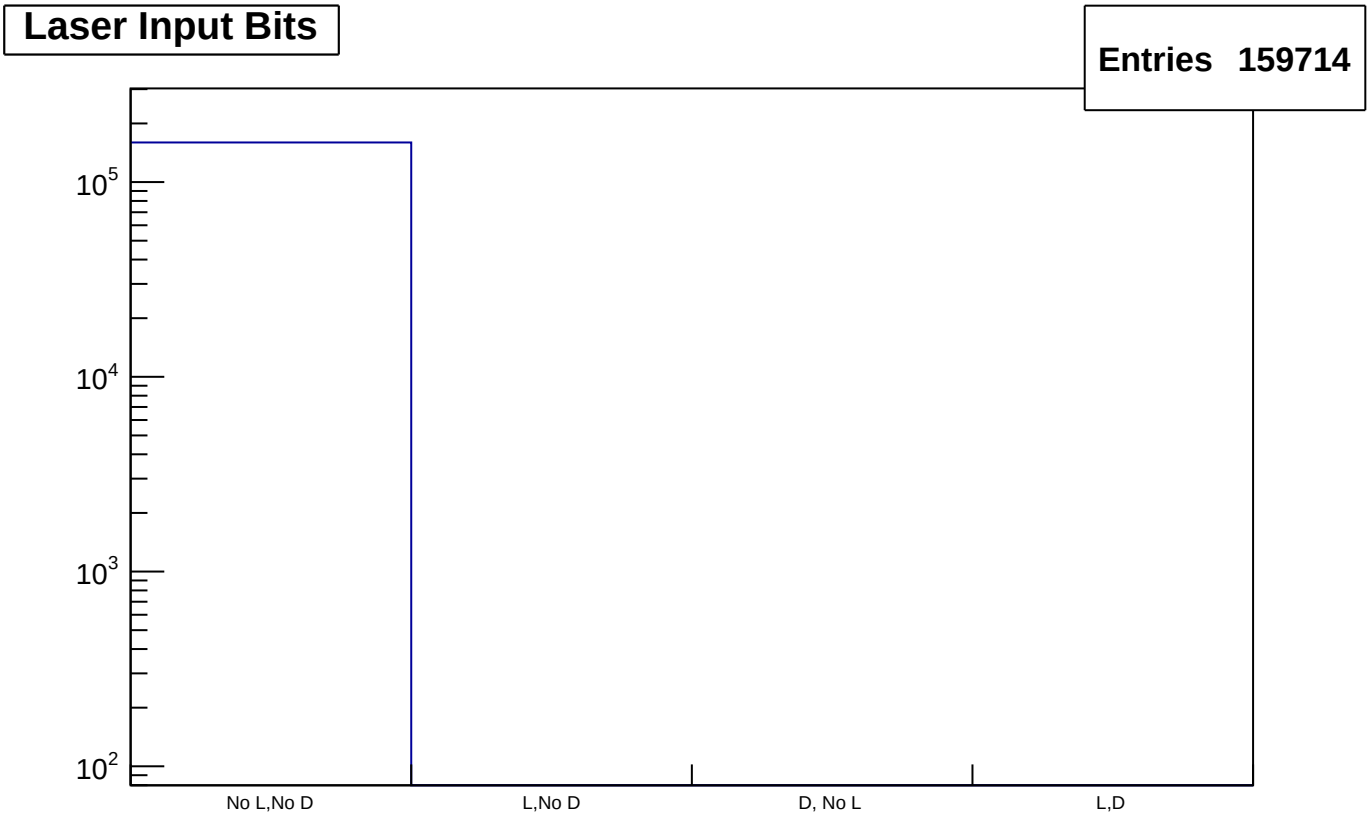

Entries 159714
TOF-Mult
VPD-West ADC Sum

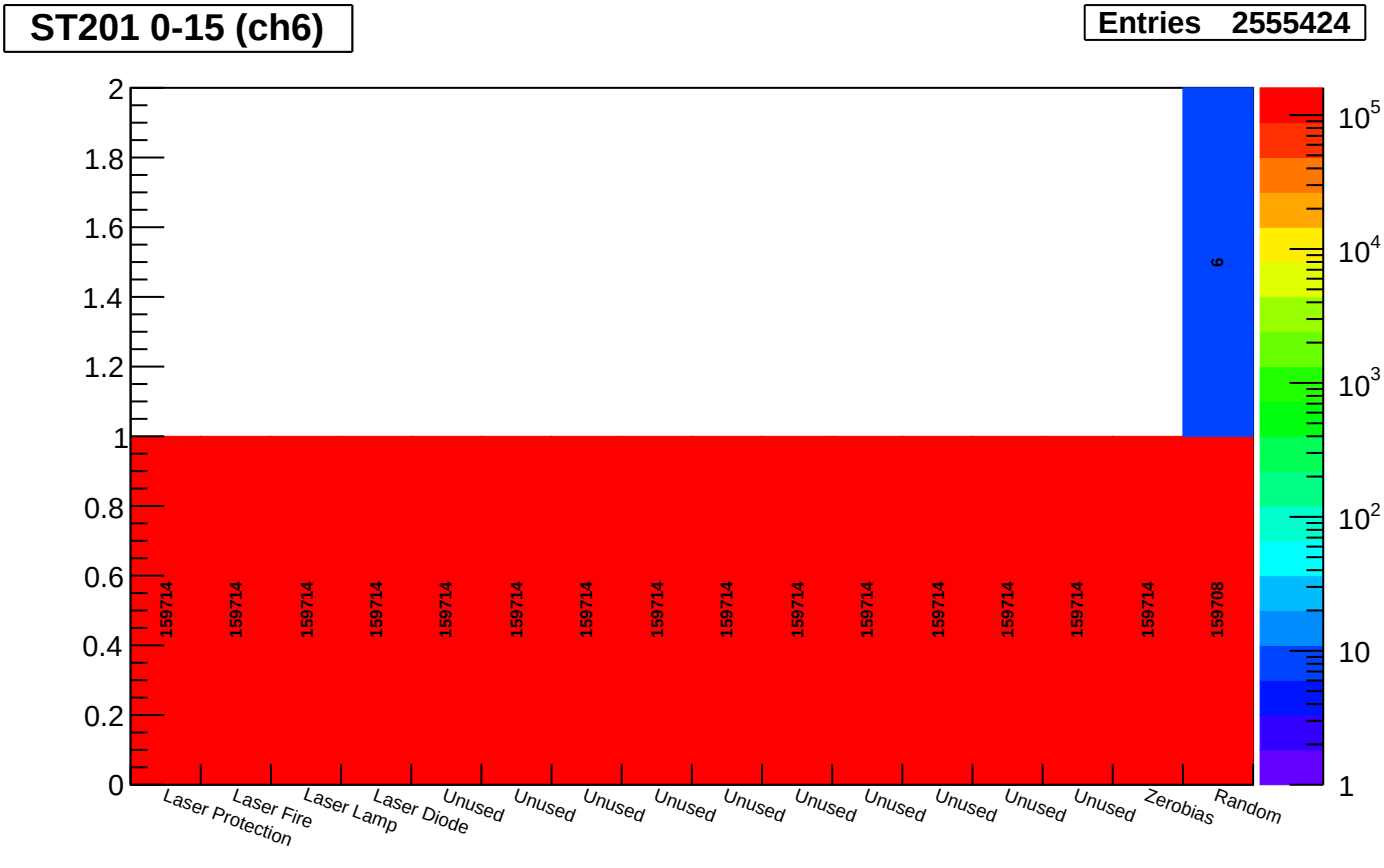

Entries 159714
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

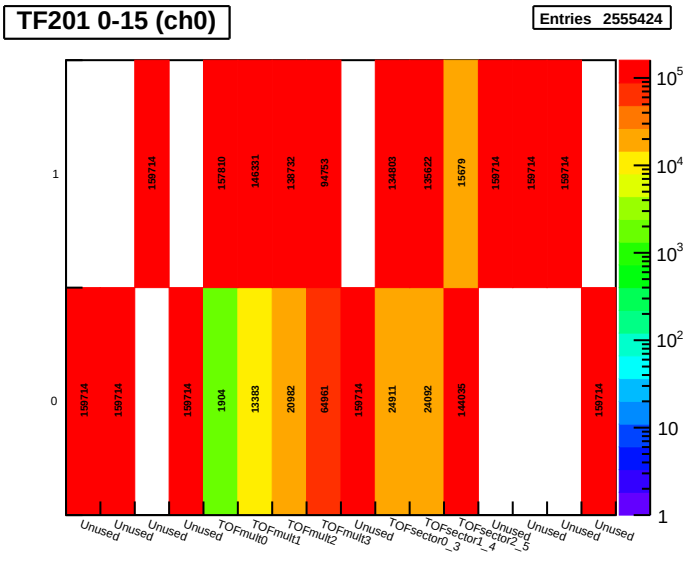

Entries 159714
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

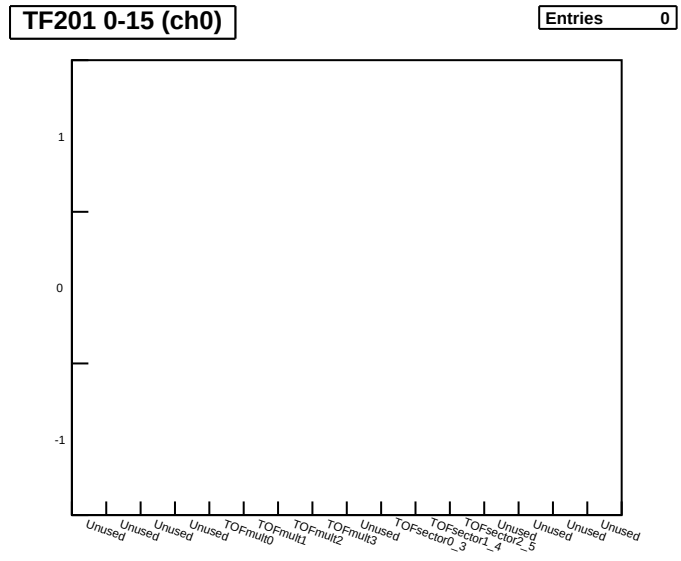

Entries 159714
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

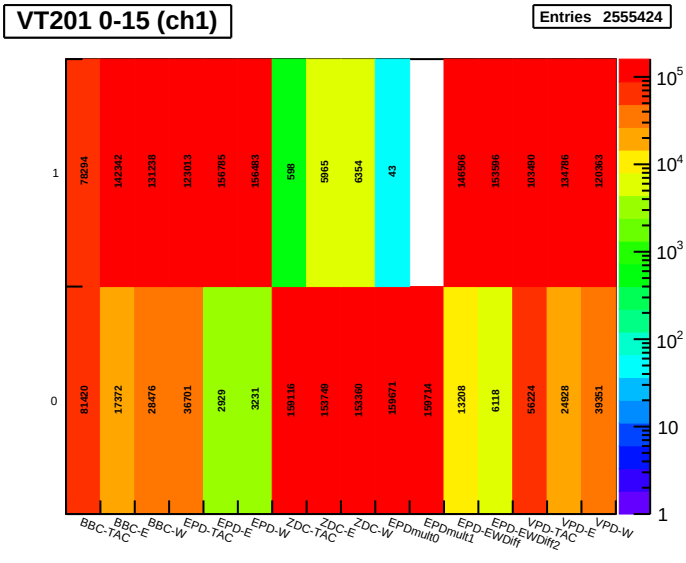

Entries 159714
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

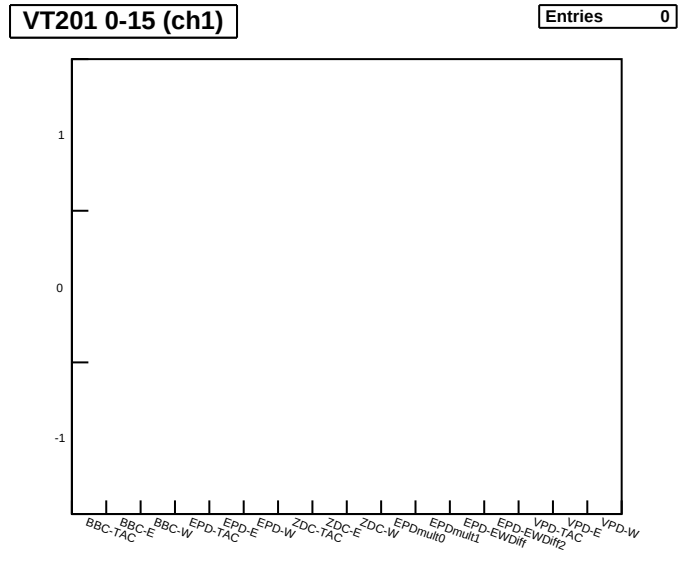

Laser Input Bits
Entries 159714
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

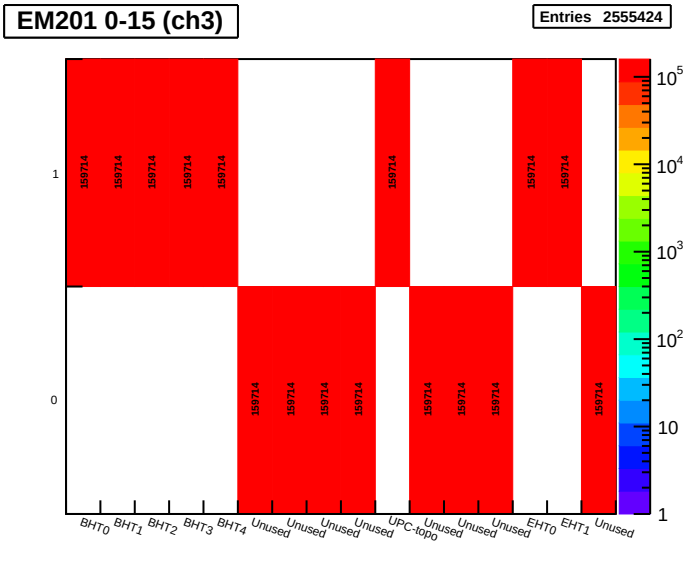

ST201 0-15 (ch6)
Entries 2555424
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
159714
159714
159714
159714
159714
159714
159714
159714
159714
159714
159714
159714
159714
159714
159714
159708
9
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

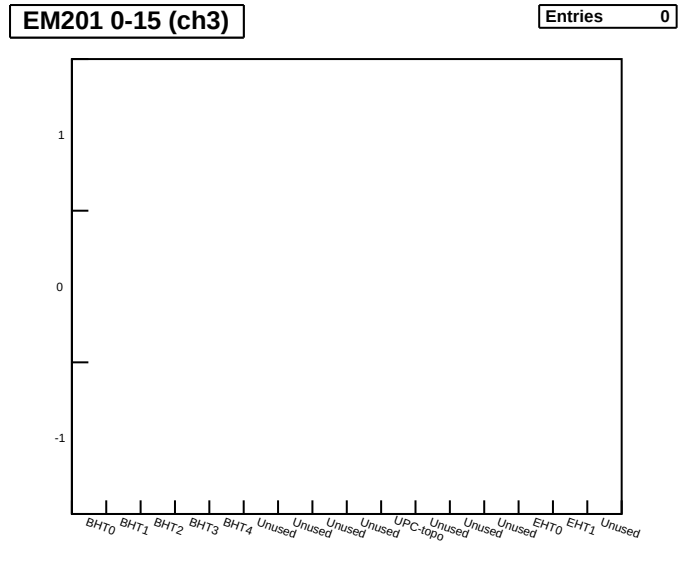

TF201 0-15 (ch0)
Entries 2555424
1
0
159714 159714 159714 159714
1904 13383 20982 64961 159714 24911 24092 144035 159714
157810 146331 138732 94753 134803 135622 15679 159714 159714 159714
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 2555424
1
0
78294 142342 131238 123013 156785 156483 598 5965 6354 43 146596 153596 103490 134786 120363
81420 17372 28476 36701 2929 3231 159116 153749 153360 159671 159714 13208 6118 56224 24928 39351
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^5 10^4 10^3 10^2 10 1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 2555424
1
0
159714 159714 159714 159714 159714 159714 159714 159714 159714
159714 159714 159714 159714 159714 159714 159714 159714
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 10^3 10^2 10 1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused