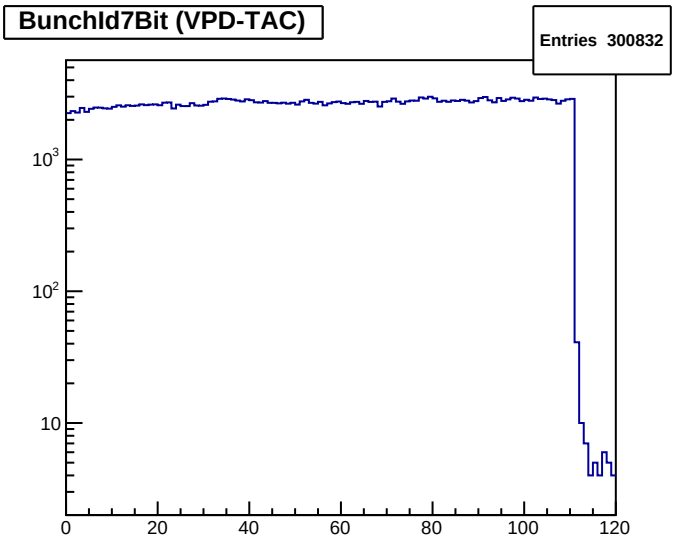
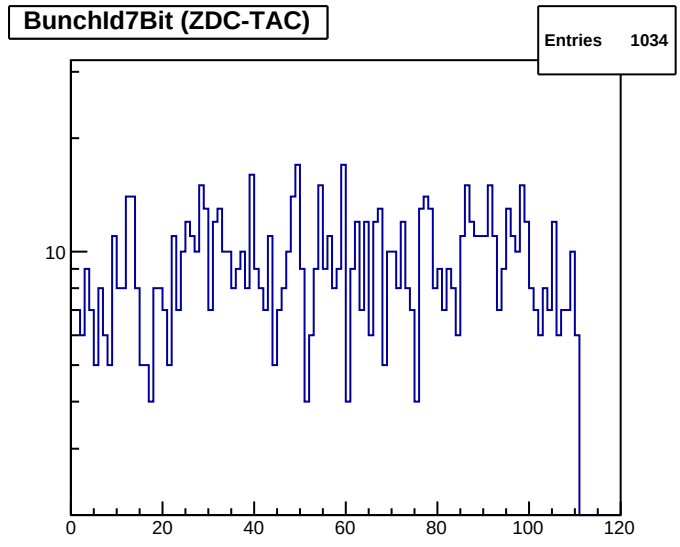
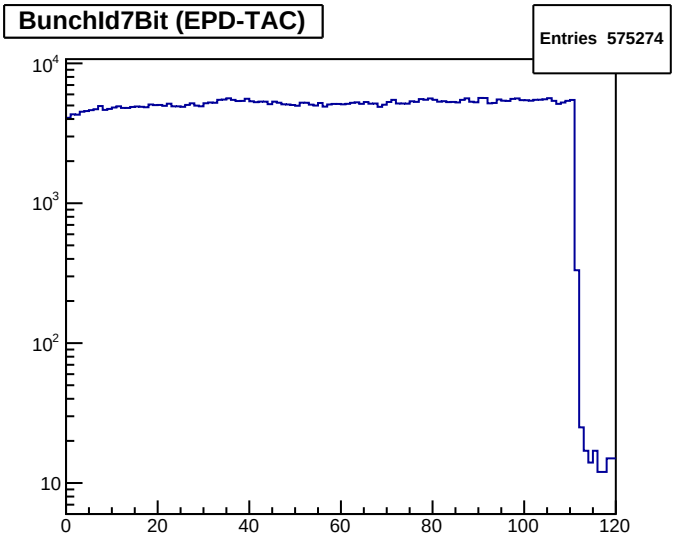
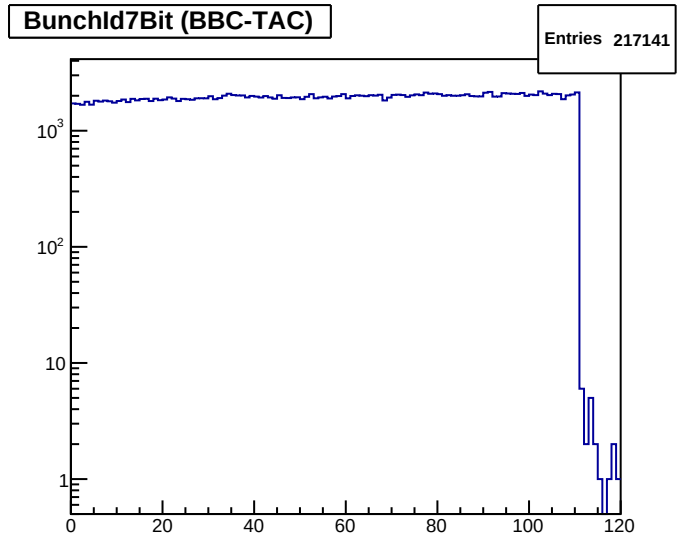
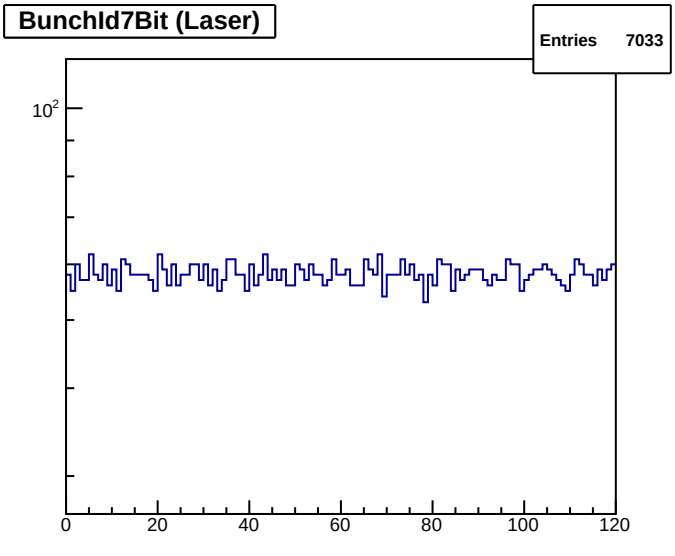
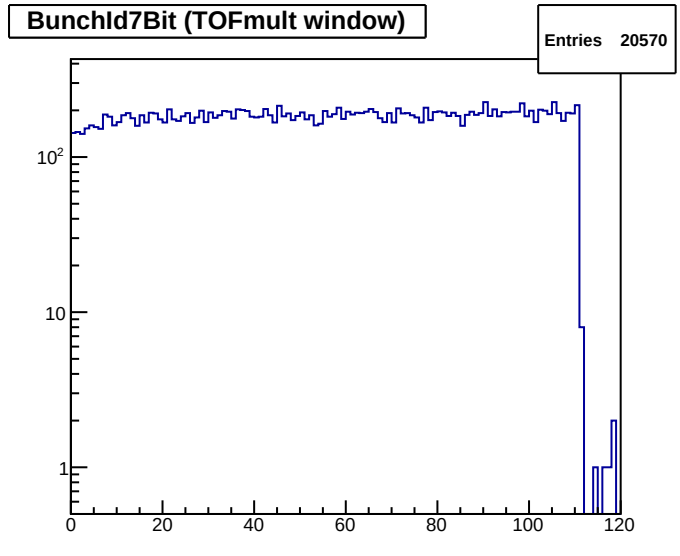

BunchId7Bit (VPD-TAC)
Entries 300832
10^3
10^2
10
0 20 40 60 80 100 120

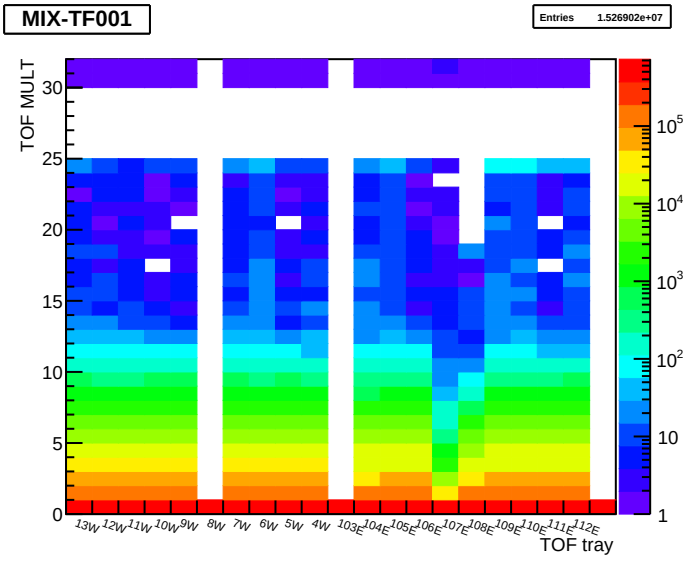

BunchId7Bit (ZDC-TAC)
Entries 1034
10
0 20 40 60 80 100 120

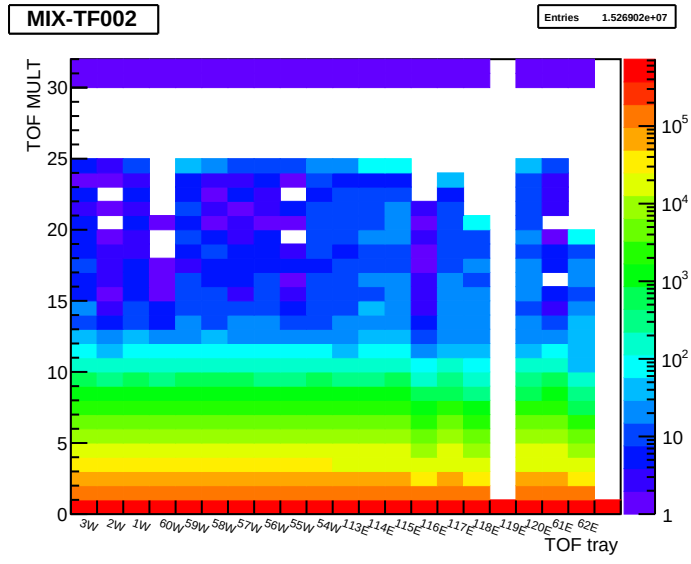

BunchId7Bit (EPD-TAC)
Entries 575274
10^4
10^3
10^2
10
0 20 40 60 80 100 120

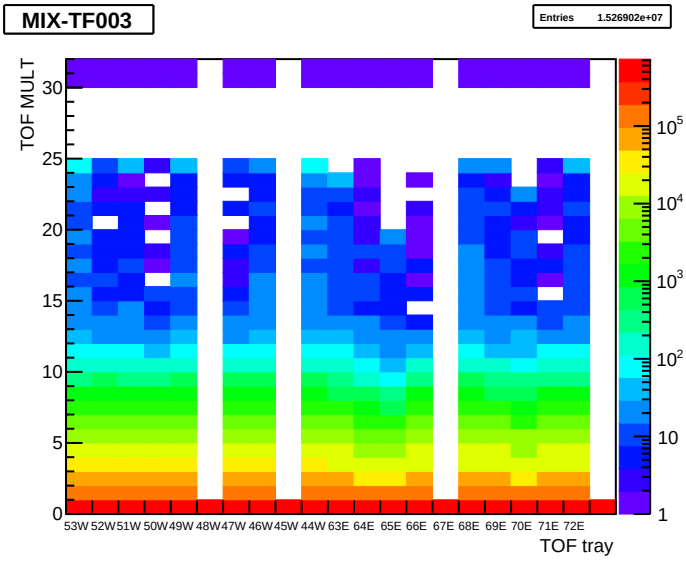

BunchId7Bit (BBC-TAC)
Entries 217141
10^3
10^2
10
1
0 20 40 60 80 100 120

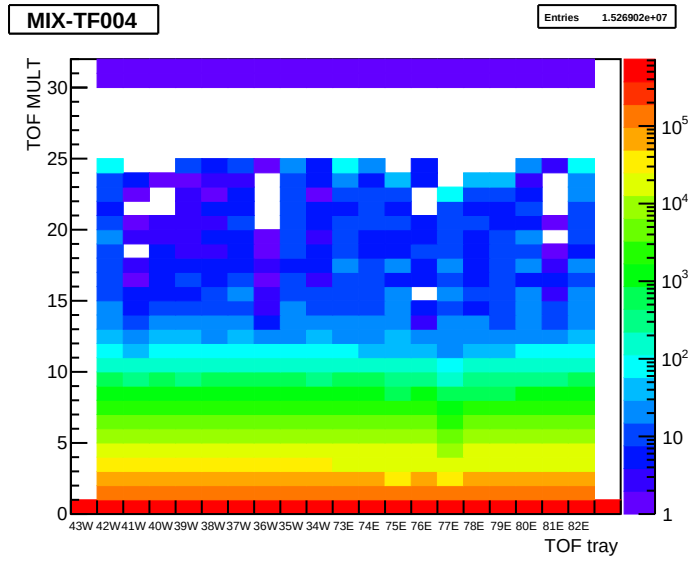

BunchId7Bit (Laser)
Entries 7033
10^2
0 20 40 60 80 100 120

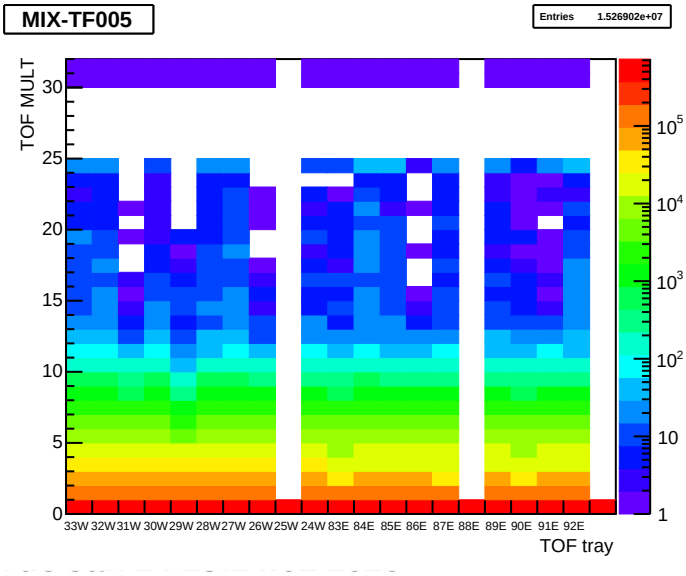

BunchId7Bit (TOFmult window)
Entries 20570
10^2
10
1
0 20 40 60 80 100 120

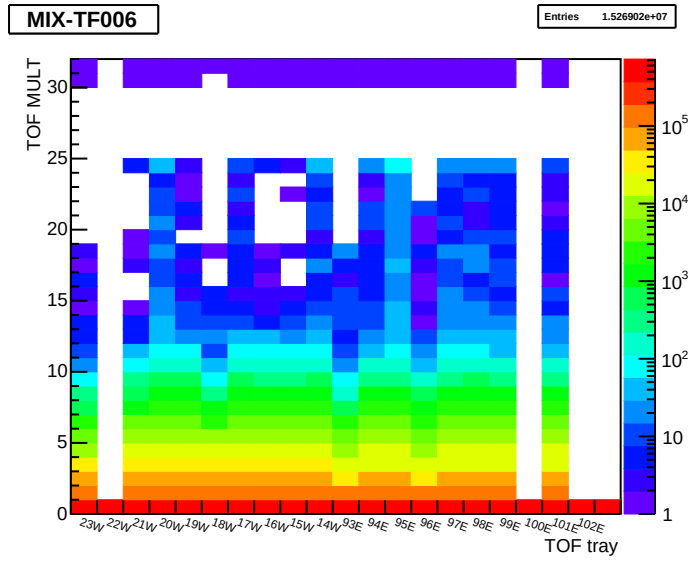

MIX-TF001
Entries 1.526902e+07
TOF MULT
TOF tray

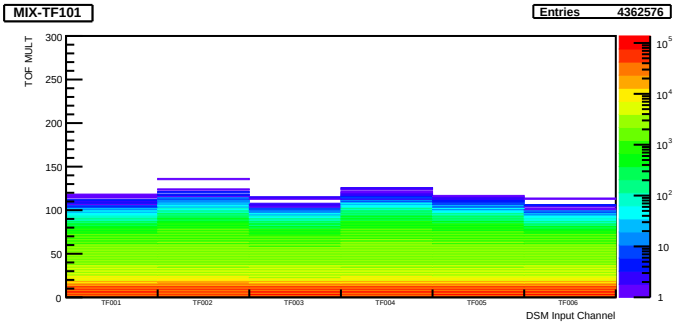

MIX-TF002
Entries 1.526902e+07
TOF MULT
TOF tray

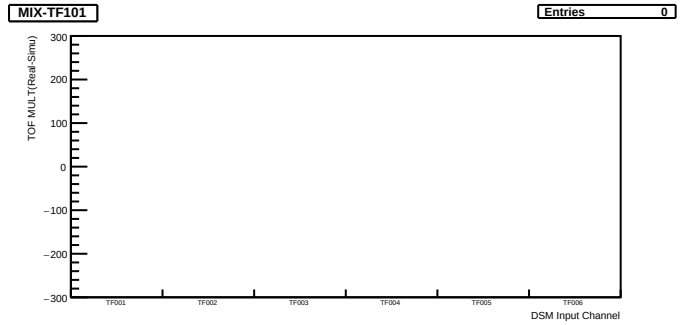

MIX-TF003
Entries 1.526902e+07
TOF MULT
TOF tray

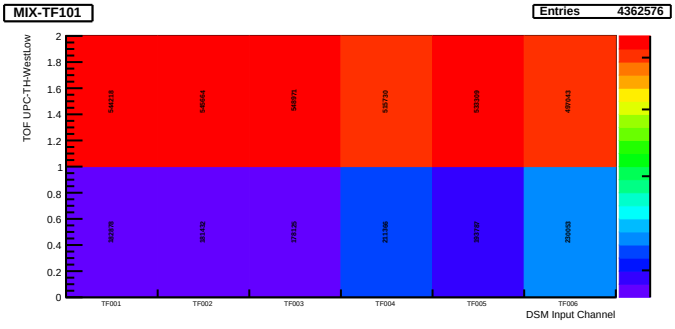

MIX-TF004
Entries 1.526902e+07
TOF MULT
TOF tray

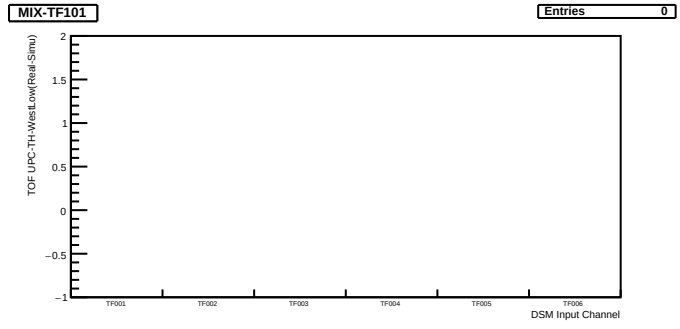

MIX-TF005
Entries 1.526902e+07
TOF MULT
TOF tray

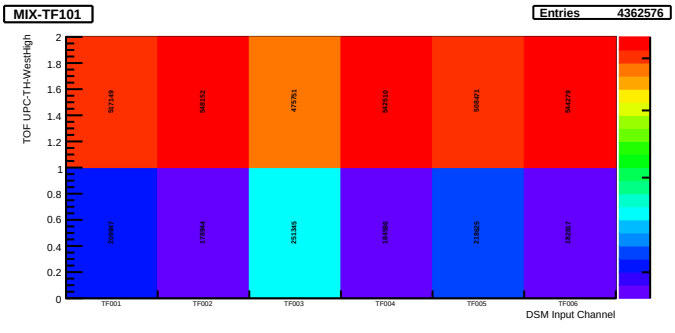

MIX-TF006
Entries 1.526902e+07
TOF MULT
TOF tray

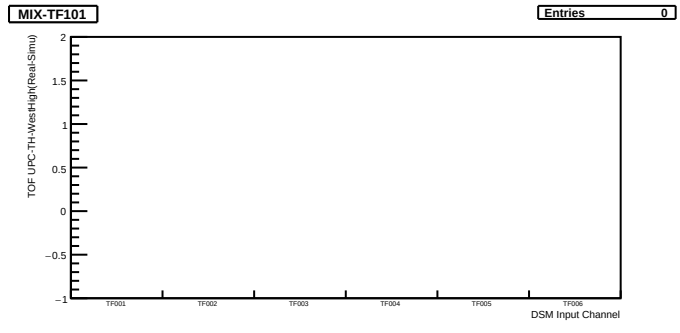

MIX-TF101
Entries 4362576
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

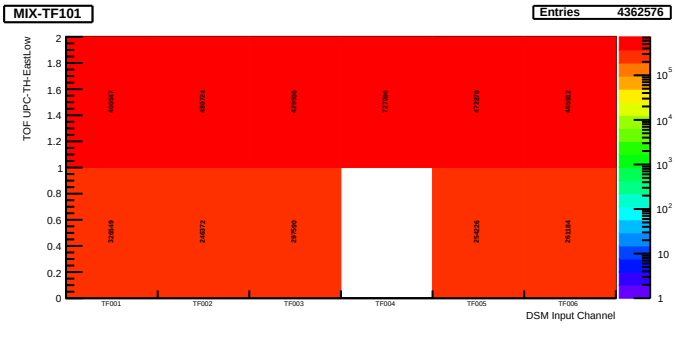

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

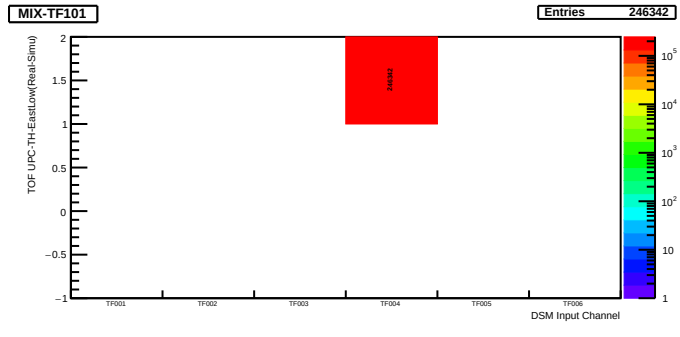

MIX-TF101
Entries 4362576
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

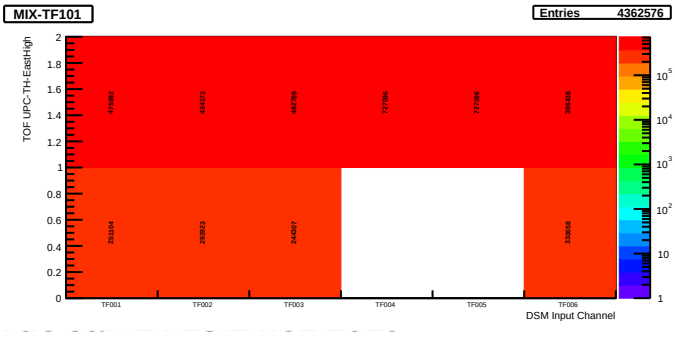

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

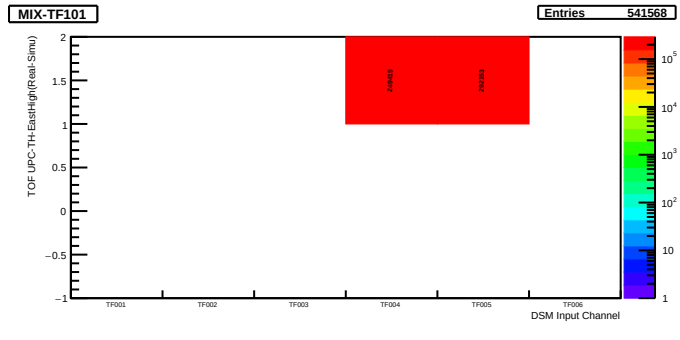

MIX-TF101
Entries 4362576
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

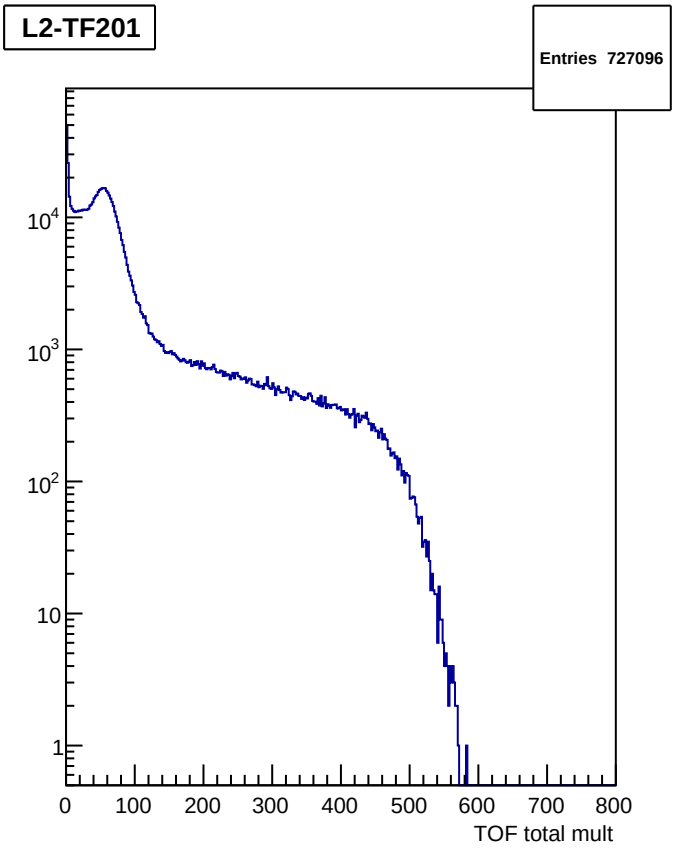

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

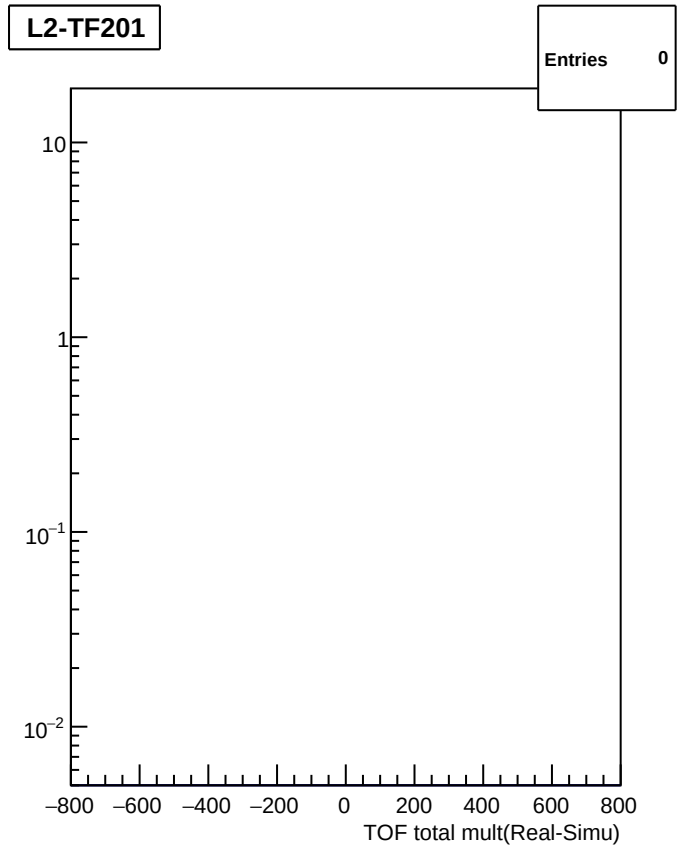

MIX-TF101
Entries 4362576
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

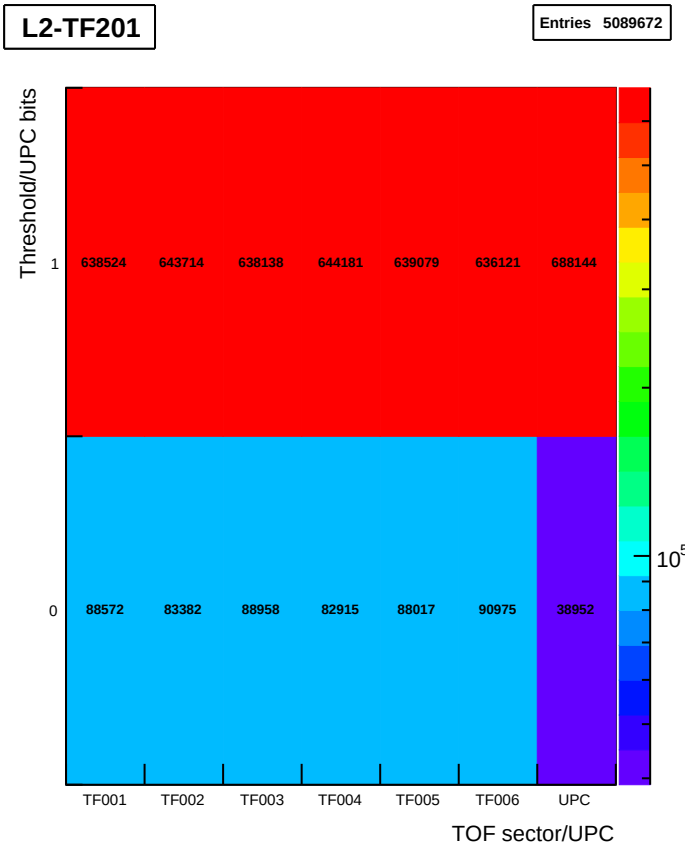

MIX-TF101
Entries 246342
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

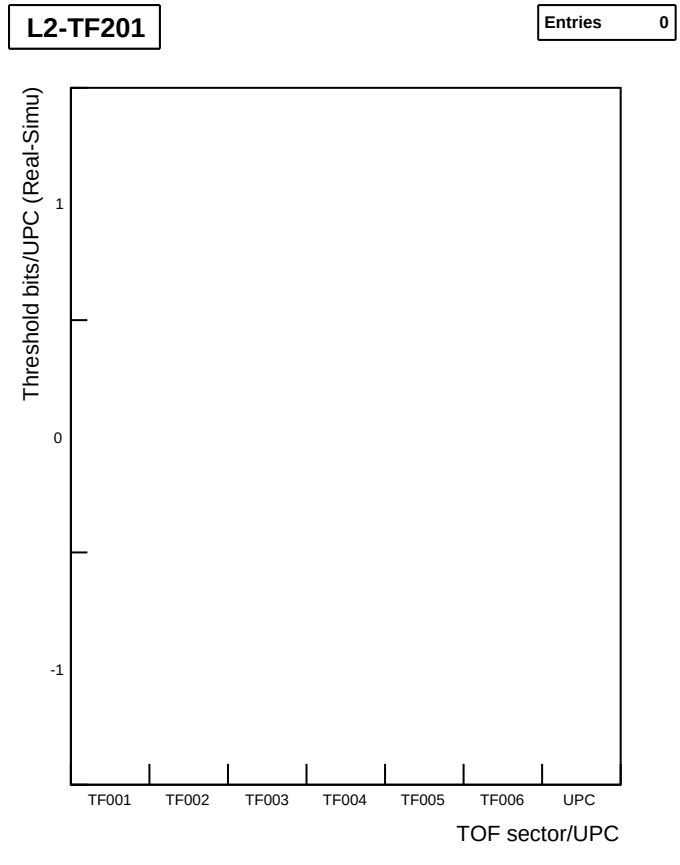

MIX-TF101
Entries 4362576
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

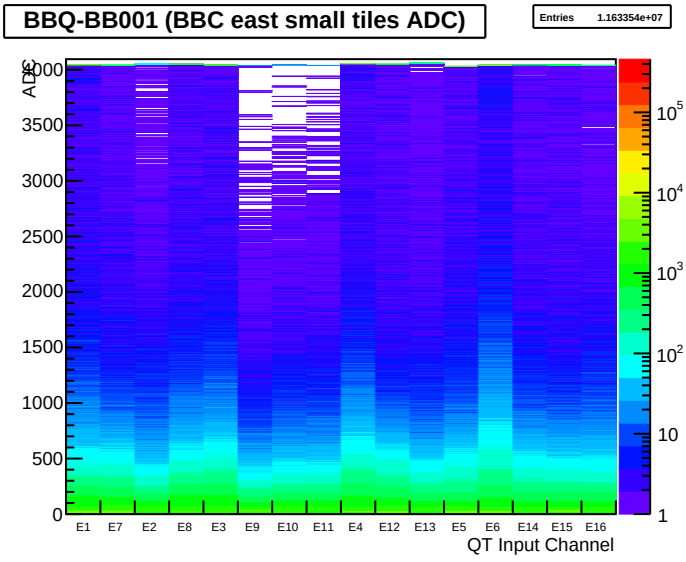

MIX-TF101
Entries 541568
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

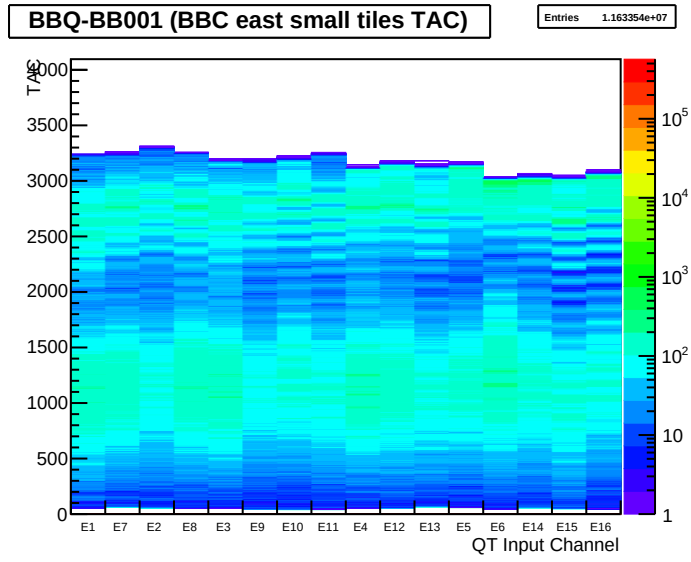

L2-TF201
Entries 727096
TOF total mult

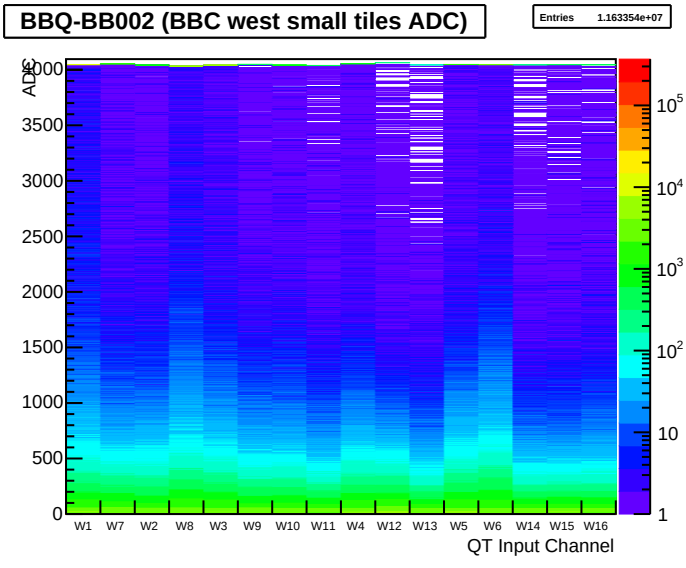

L2-TF201
Entries 0
TOF total mult(Real-Simu)

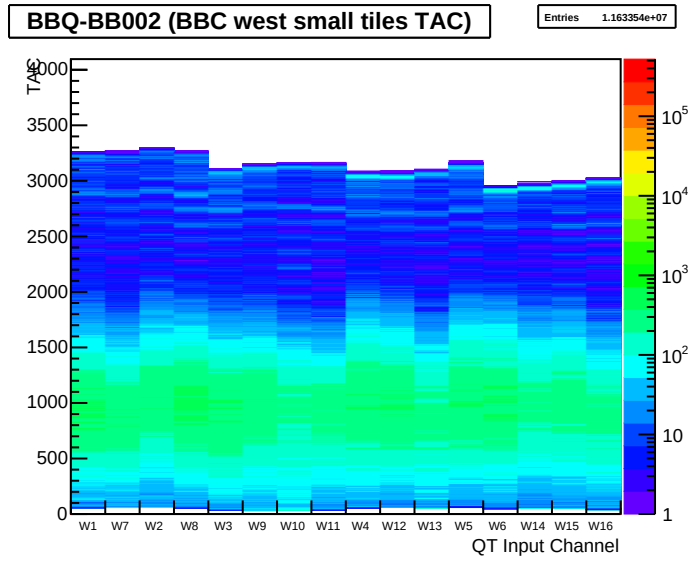

L2-TF201
Entries 5089672
Threshold/UPC bits
638524 643714 638138 644181 639079 636121 688144
88572 83382 88958 82915 88017 90975 38952
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

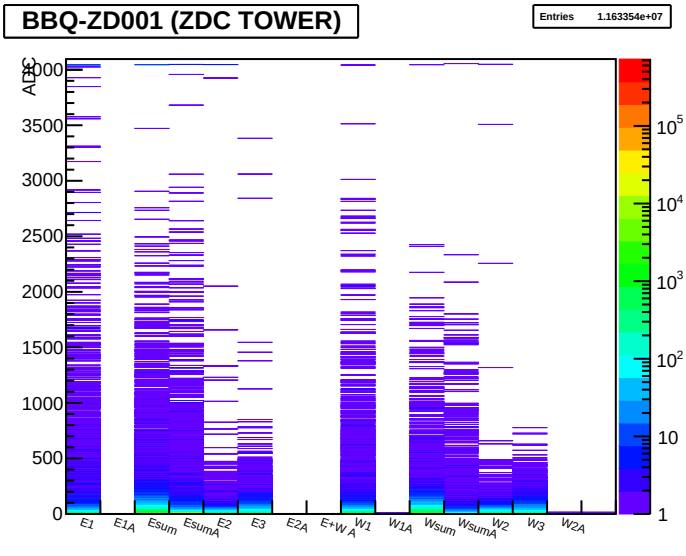

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

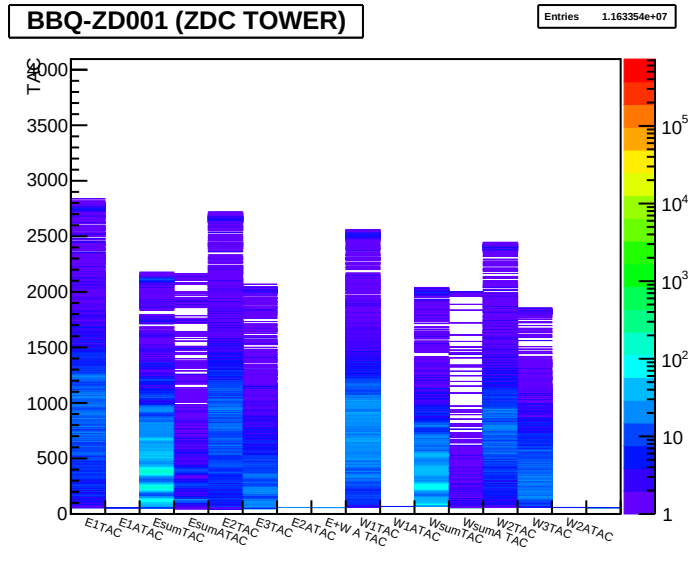

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.163354e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

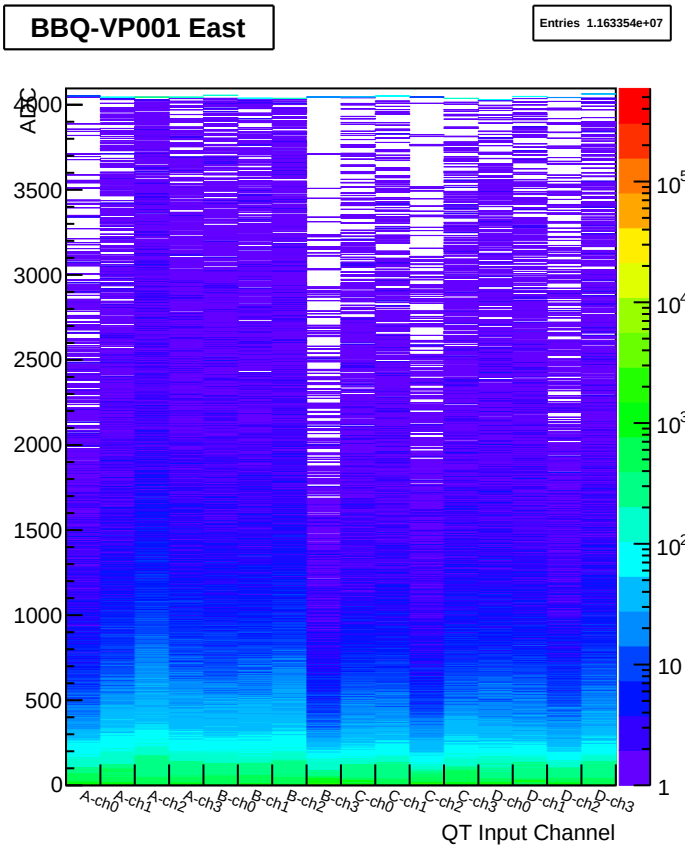

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.163354e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

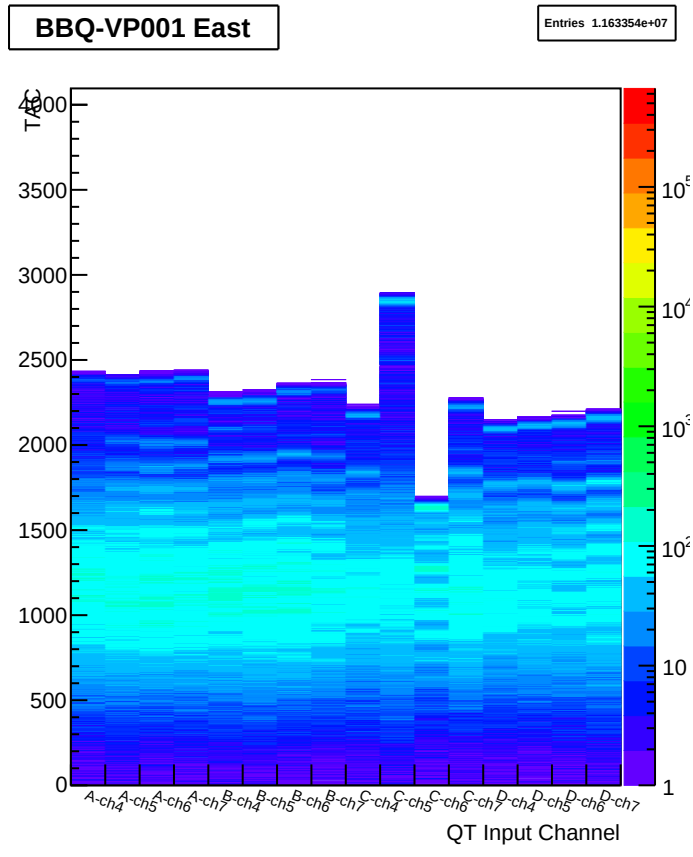

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.163354e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

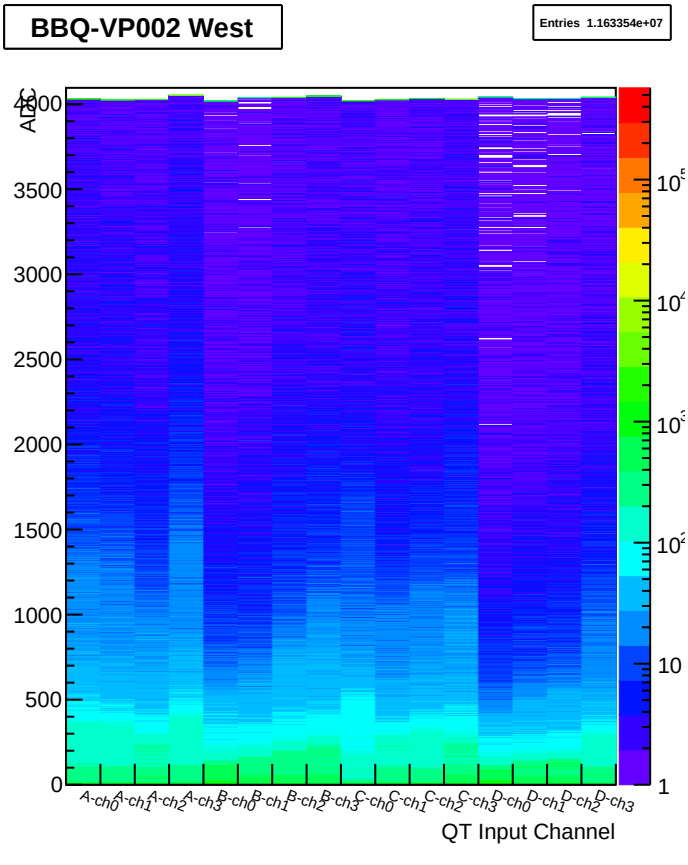

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.163354e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

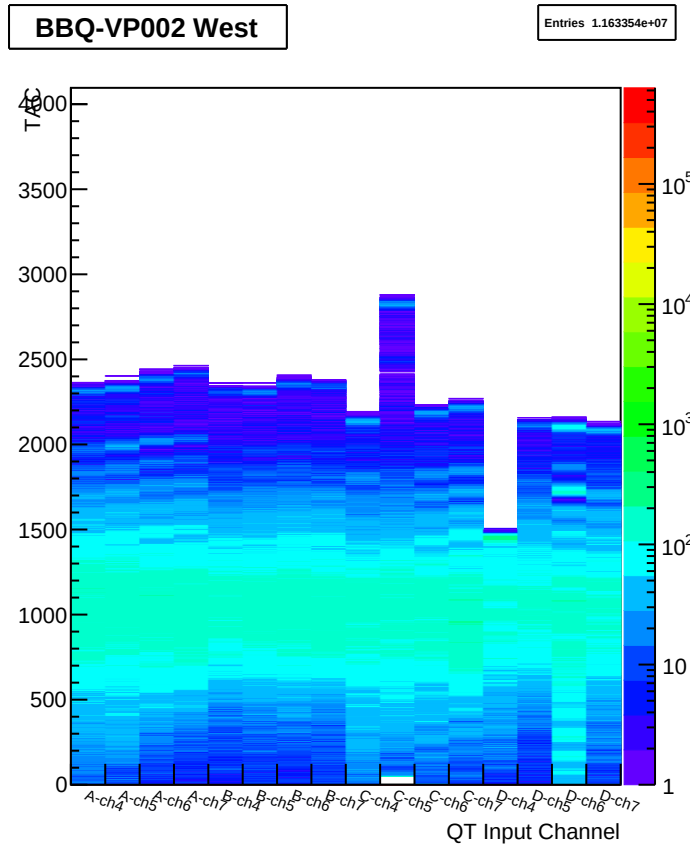

BBQ-ZD001 (ZDC TOWER)
Entries 1.163354e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

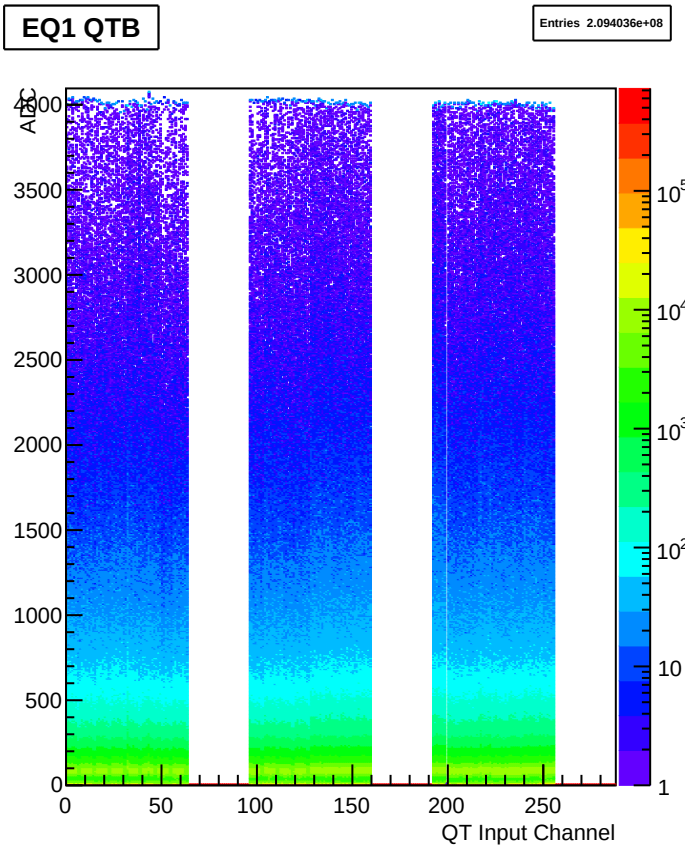

BBQ-ZD001 (ZDC TOWER)
Entries 1.163354e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

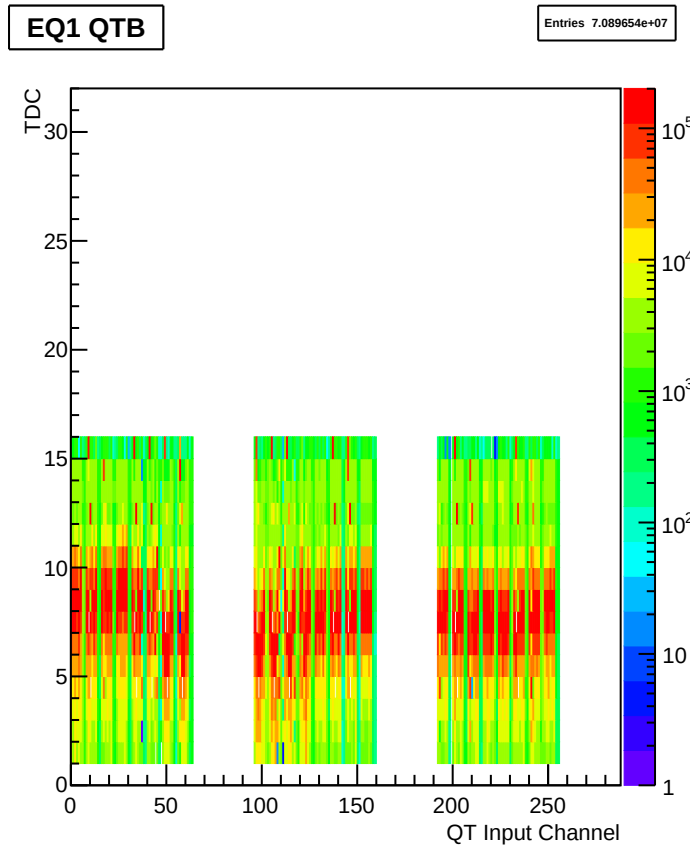

BBQ-VP001 East
Entries 1.163354e+07
ADC
QT Input Channel

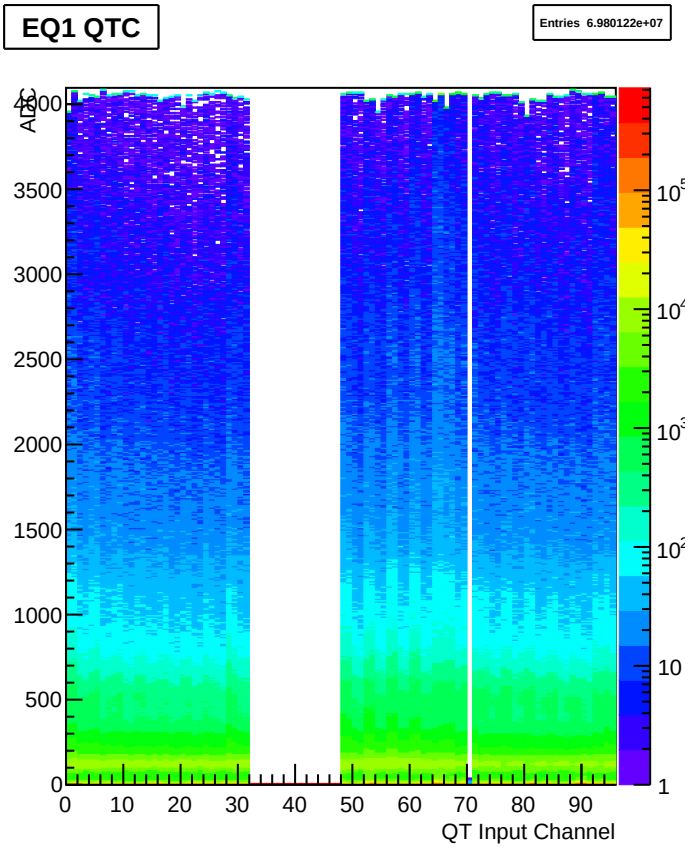

BBQ-VP001 East
Entries 1.163354e+07
TADC
QT Input Channel

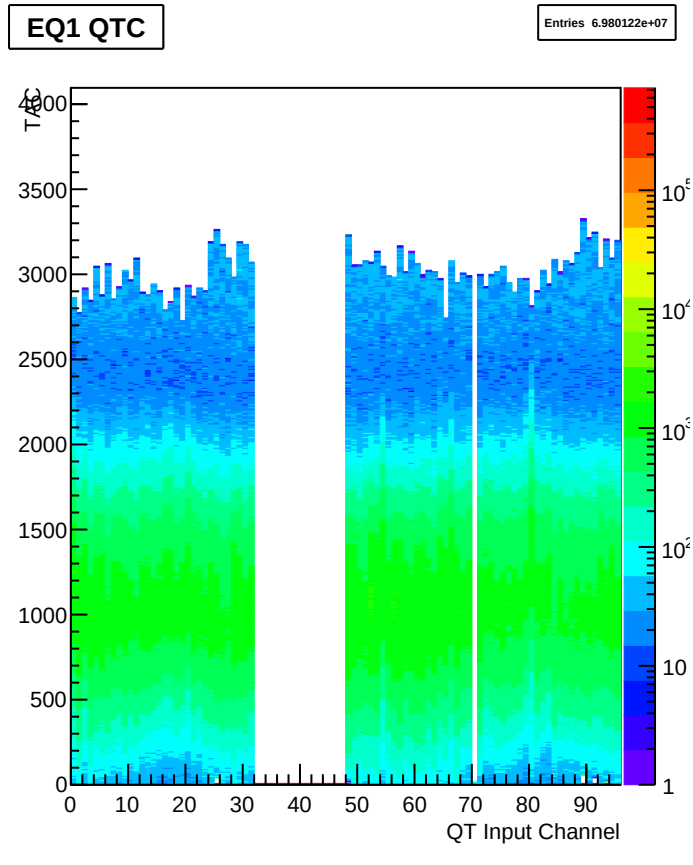

BBQ-VP002 West
Entries 1.163354e+07
ADC
QT Input Channel

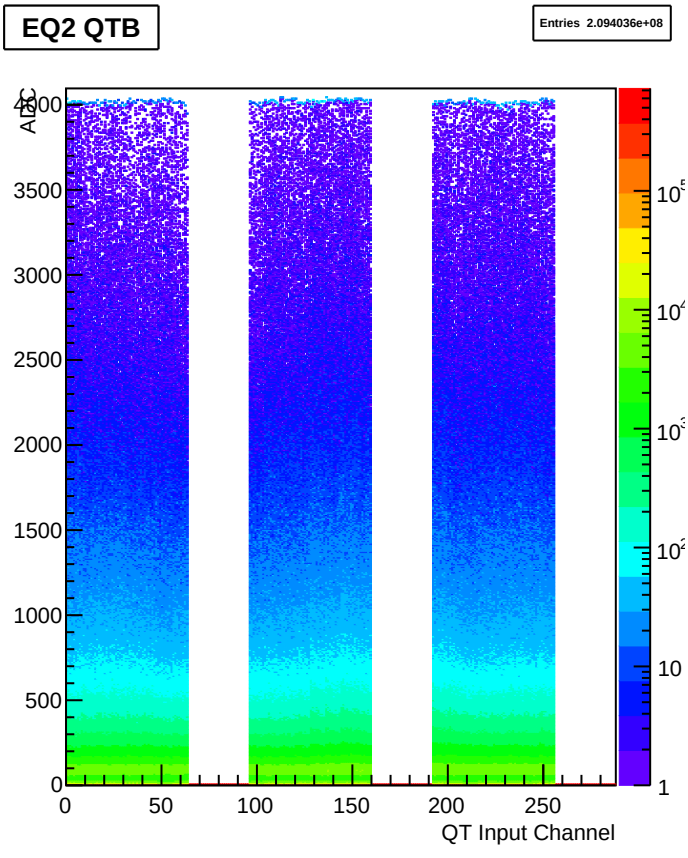

BBQ-VP002 West
Entries 1.163354e+07
TADC
QT Input Channel

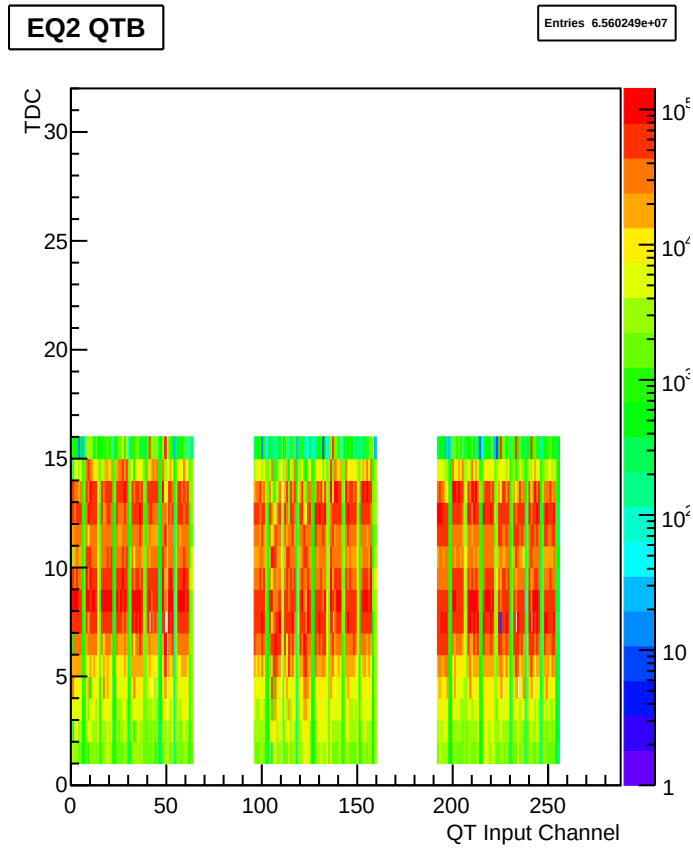

EQ1 QTB
Entries 2.094036e+08
ADC
QT Input Channel

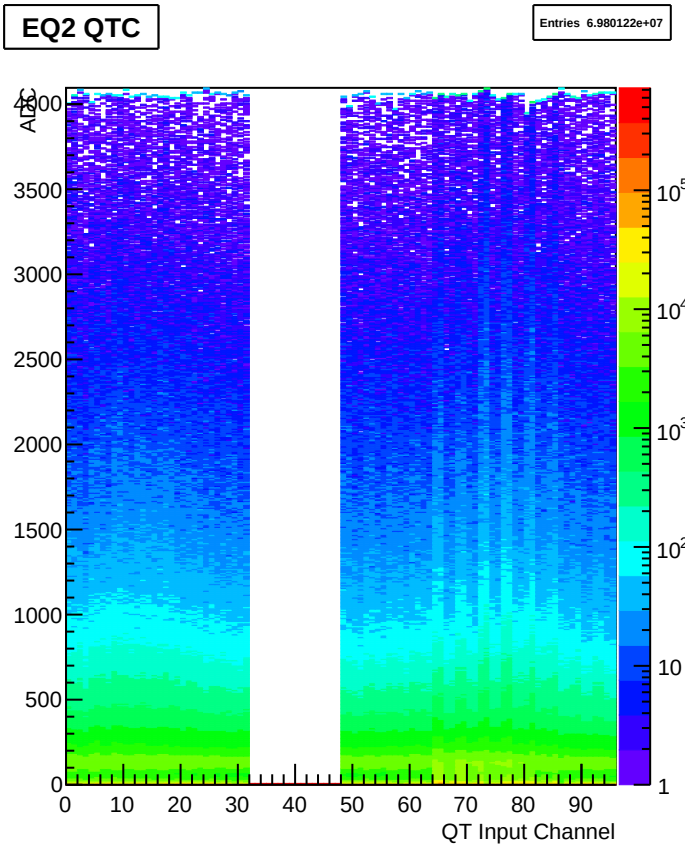

EQ1 QTB
Entries 7.089654e+07
TDC
QT Input Channel

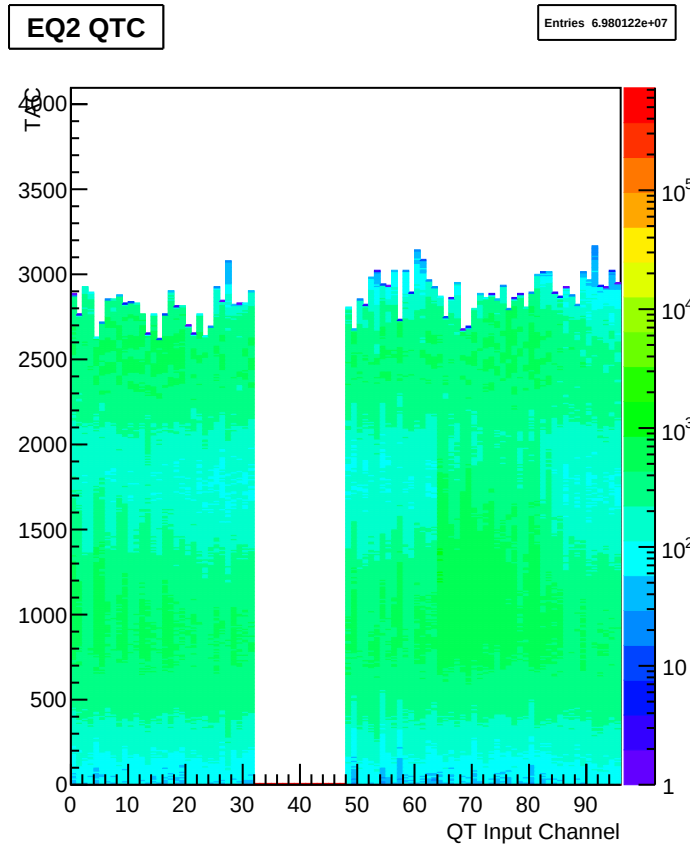

EQ1 QTC
Entries 6.980122e+07
ADC
QT Input Channel

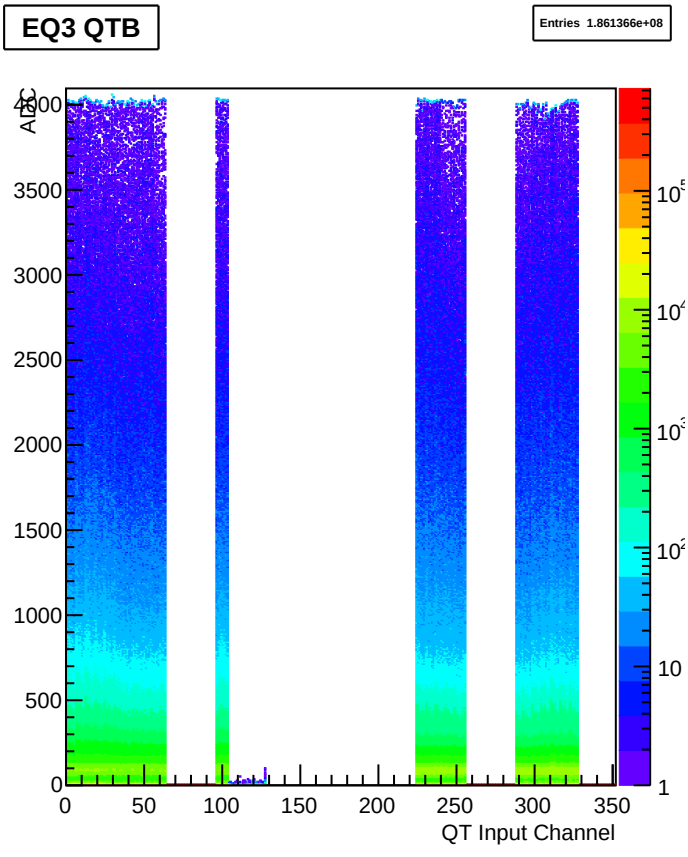

EQ1 QTC
Entries 6.980122e+07
TADC
QT Input Channel

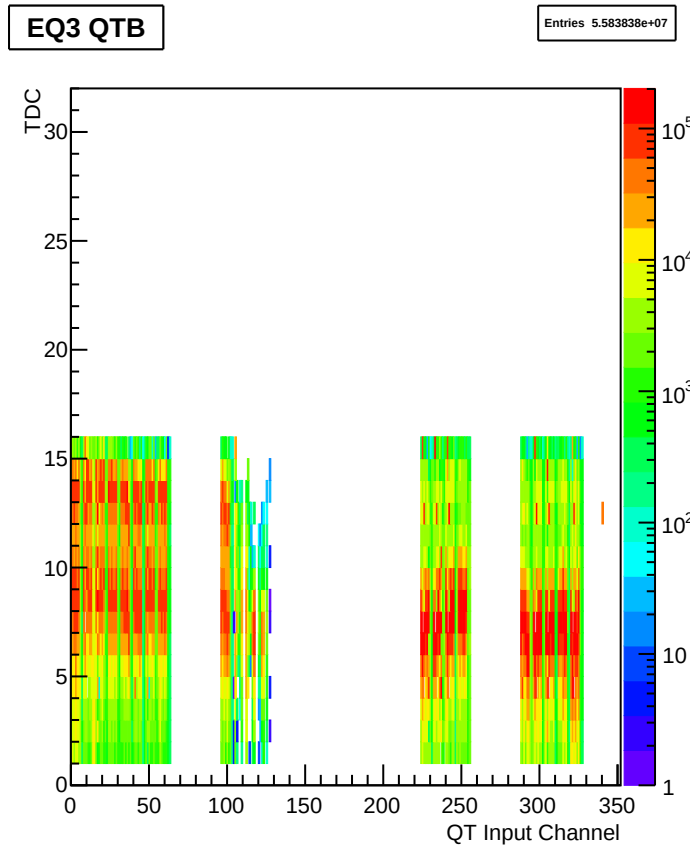

EQ2 QTB
Entries 2.094036e+08
ADC
QT Input Channel

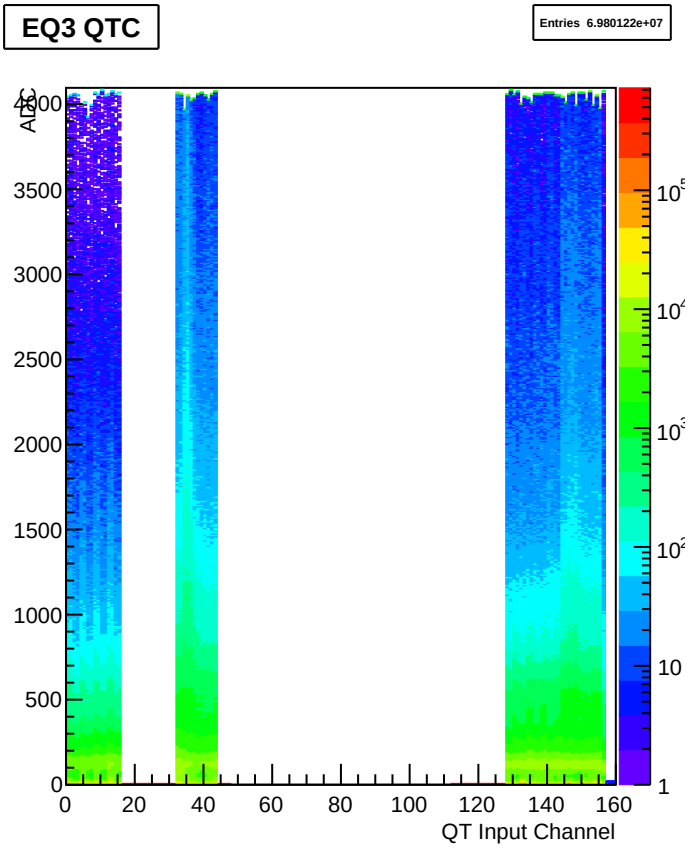

EQ2 QTB
Entries 6.560249e+07
TDC
QT Input Channel

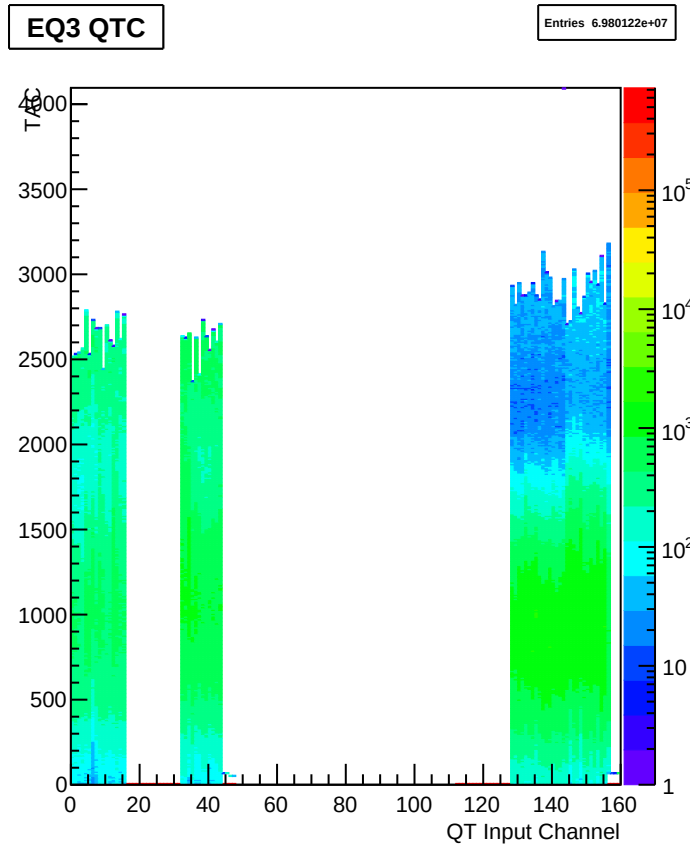

EQ2 QTC
Entries 6.980122e+07
ADC
QT Input Channel

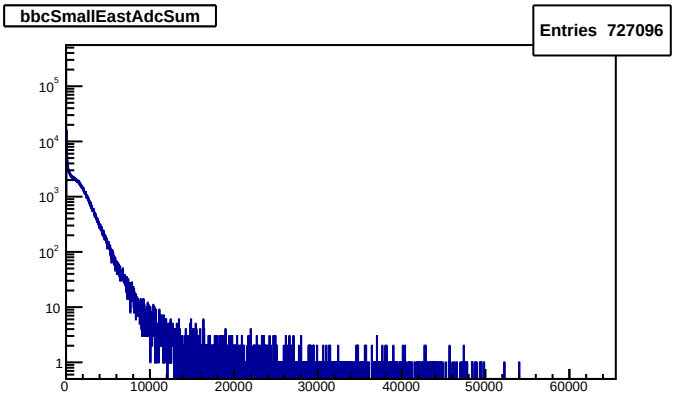

EQ2 QTC
Entries 6.980122e+07
TADC
QT Input Channel

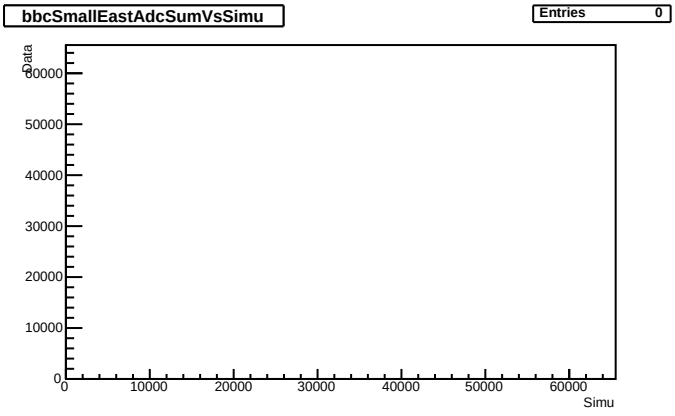

EQ3 QTB
Entries 1.861366e+08
ADC
QT Input Channel

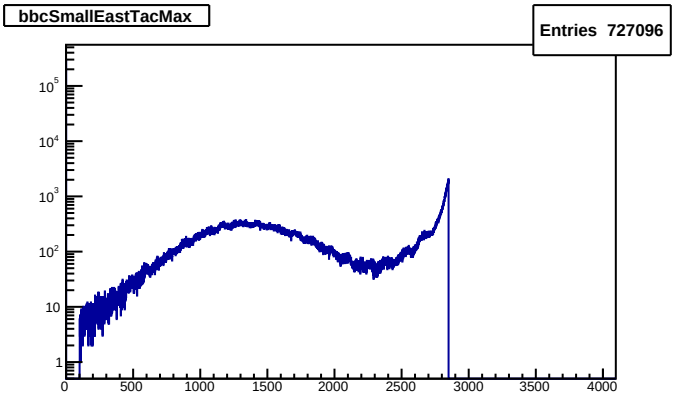

EQ3 QTB
Entries 5.583838e+07
TDC
QT Input Channel

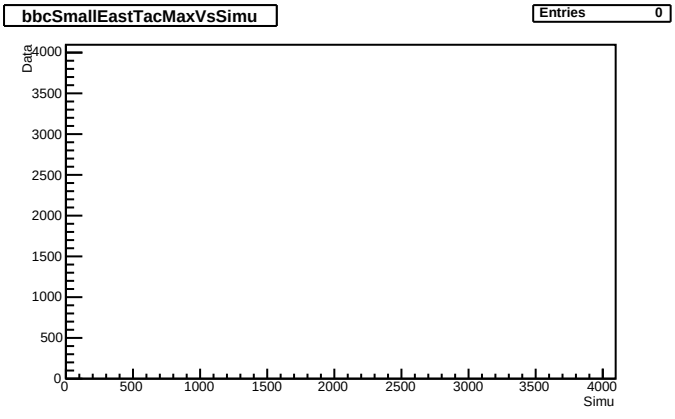

EQ3 QTC
Entries 6.980122e+07
ADC
QT Input Channel

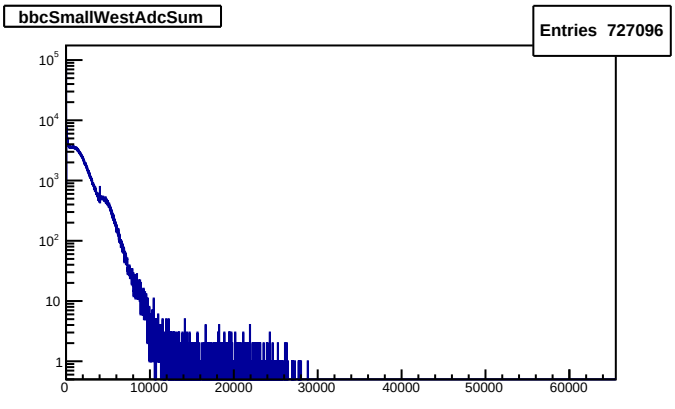

EQ3 QTC
Entries 6.980122e+07
TADC
QT Input Channel

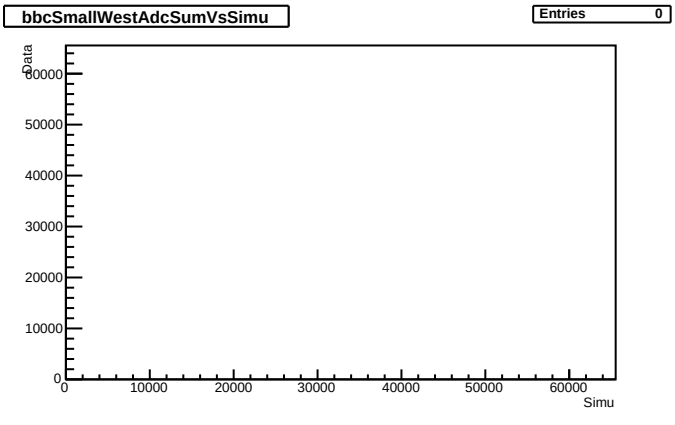

bbcSmallEastAdcSum
Entries 727096


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 727096


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 727096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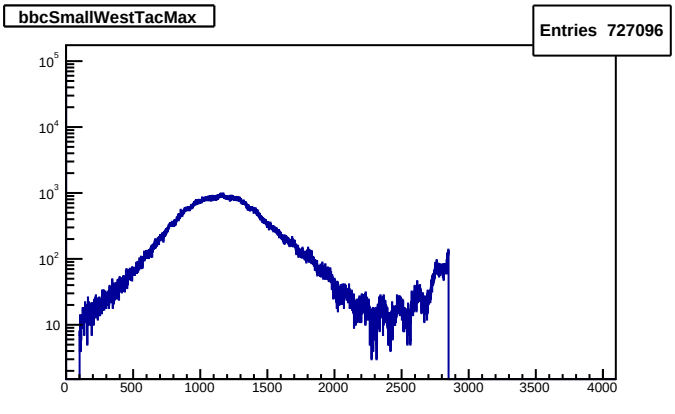
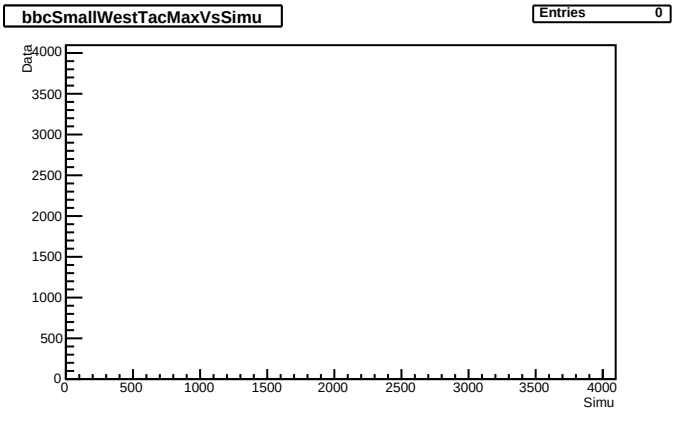
Entries 0
Data
Simu


bbcSmallWestTacMax
Entries 727096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Entries 0
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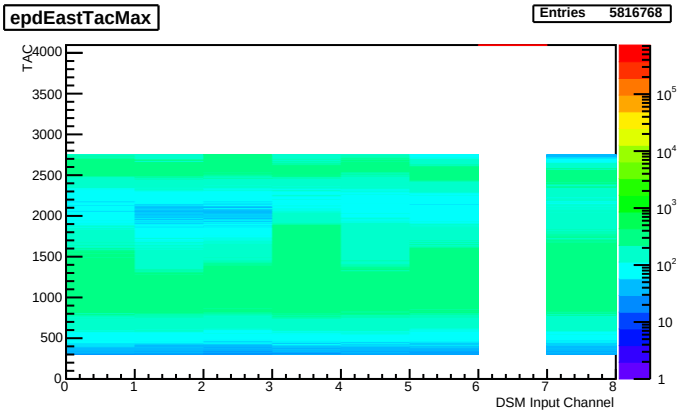
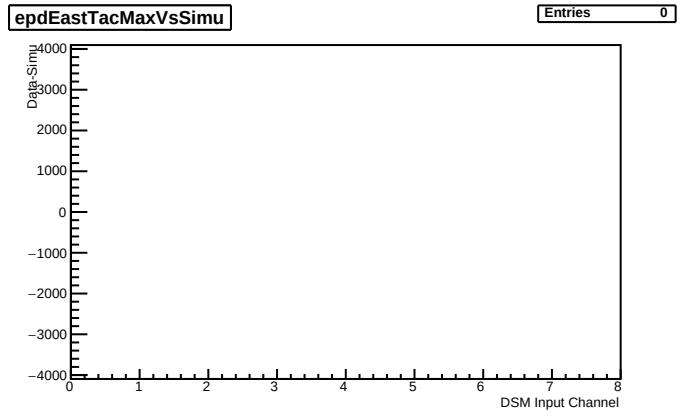
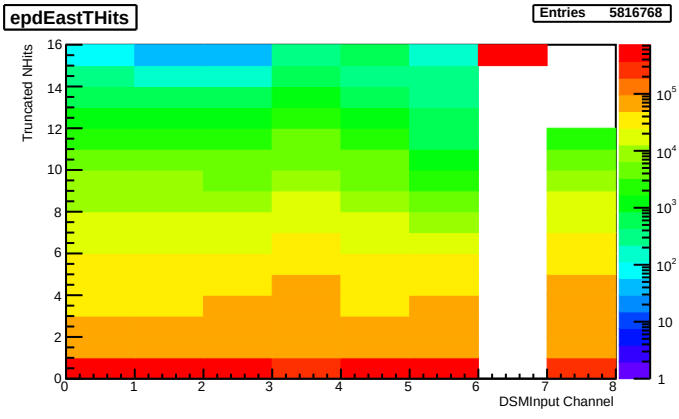
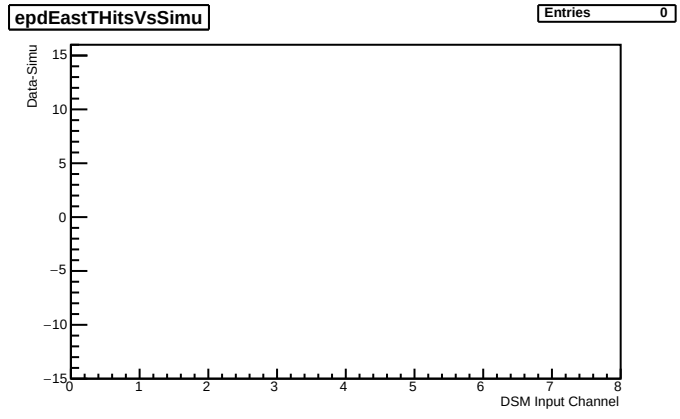
Simu


epdEastTacMax
Entries 5816768
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5816768
Truncated NHits
DSMInput Channel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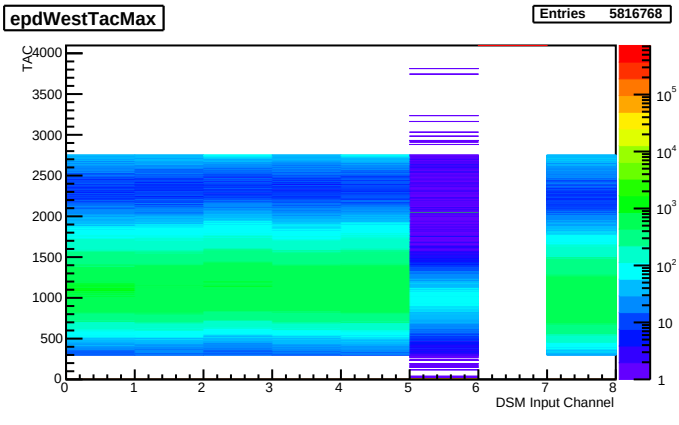
Data-Simu
DSM Input Channel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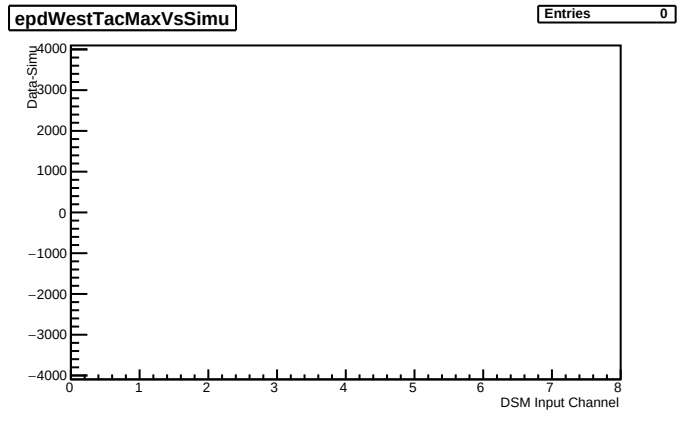
Entries 5816768
TAC
DSM Input Channel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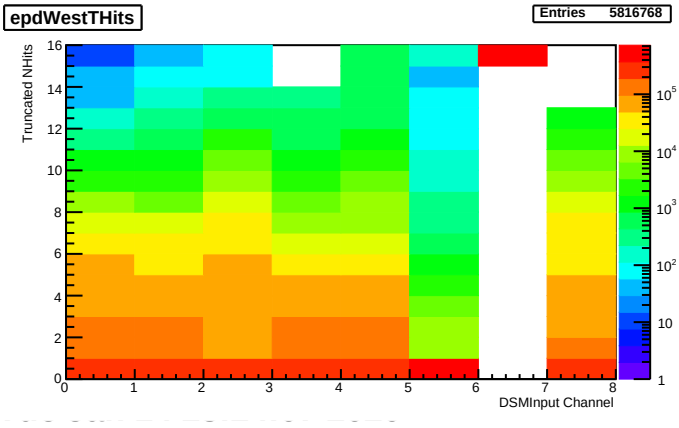
Entries 0
Data-Simu
DSM Input Channel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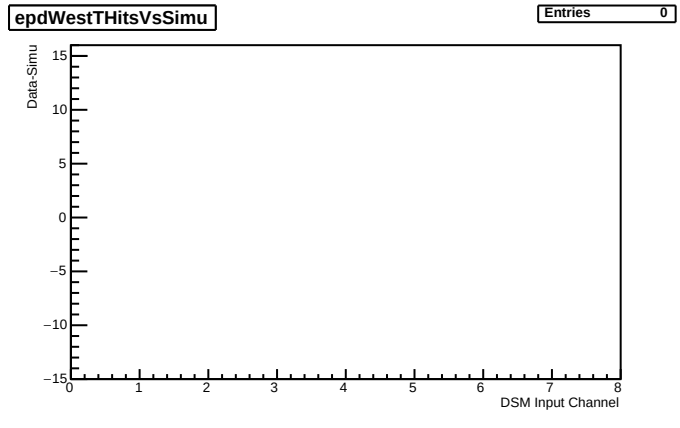
Entries 5816768
Truncated NHits
DSMInput Channel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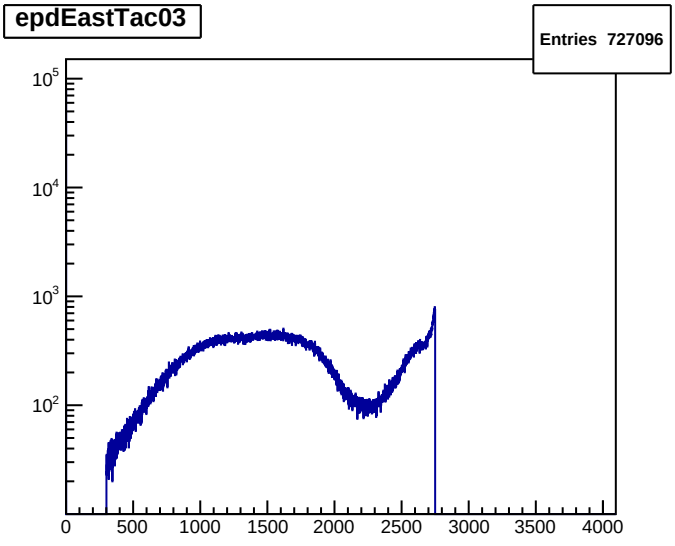
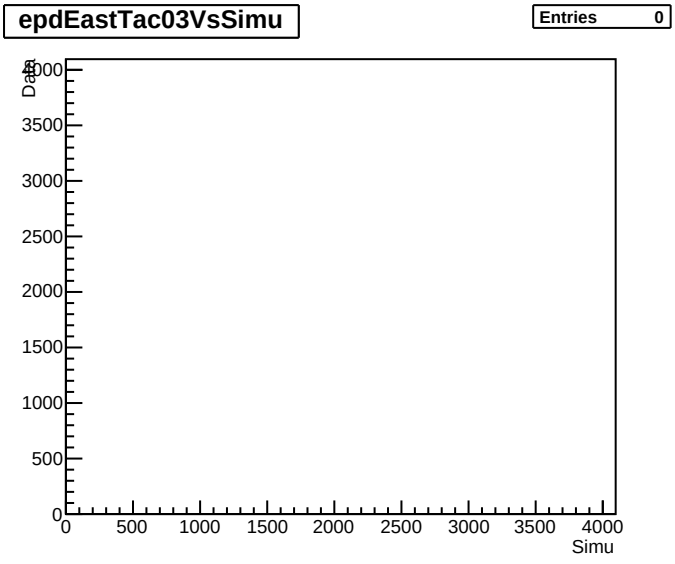
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 727096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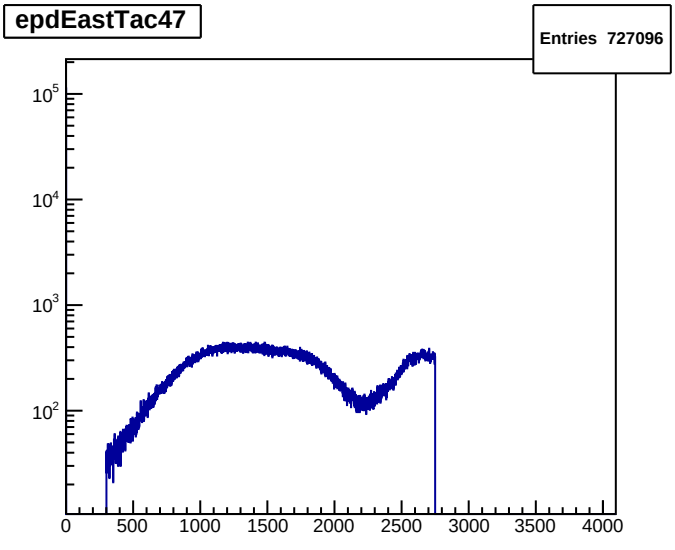
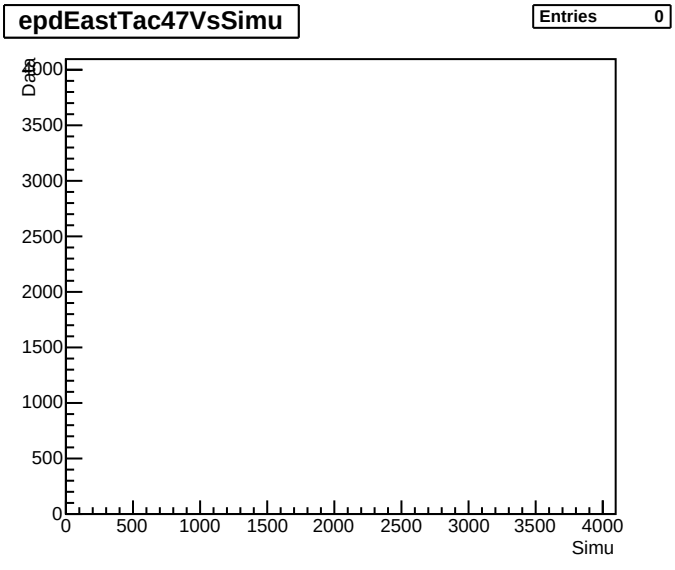
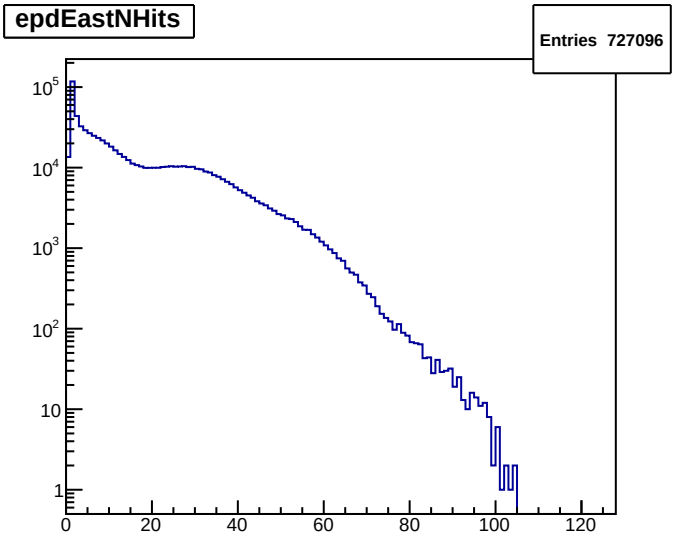
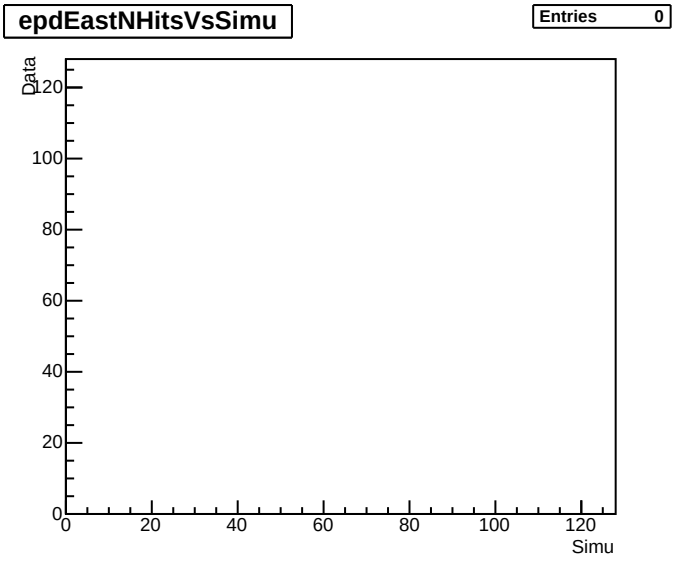
Entries 0
Data
Simu


epdEastTac47
Entries 727096


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 727096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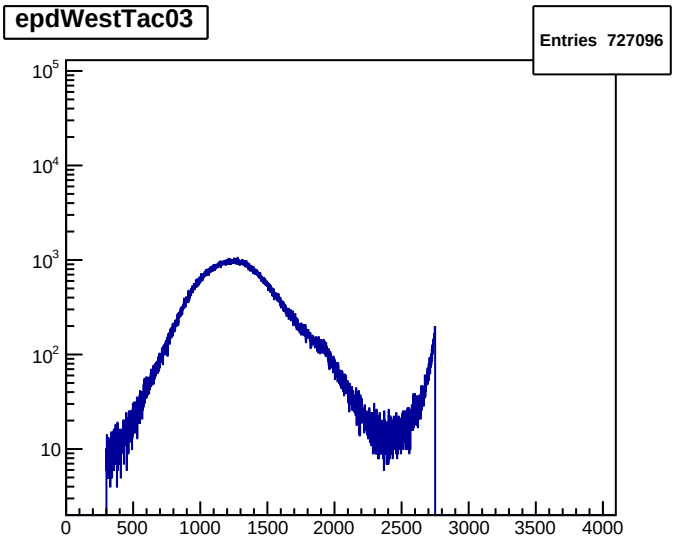
Data
Simu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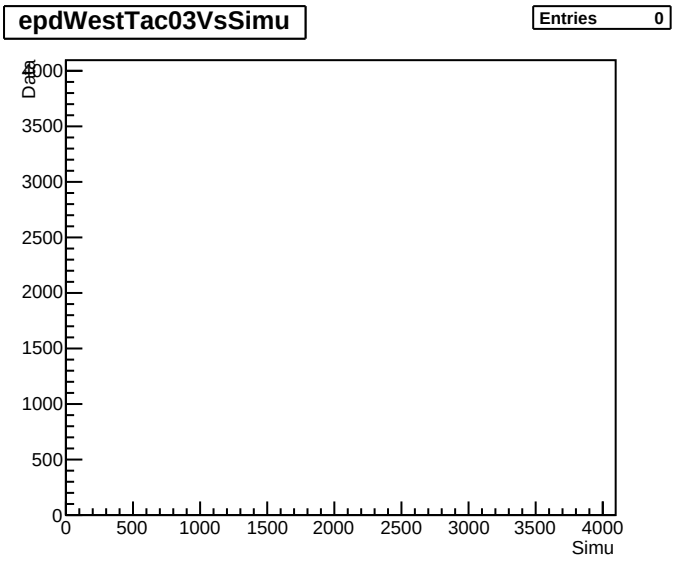
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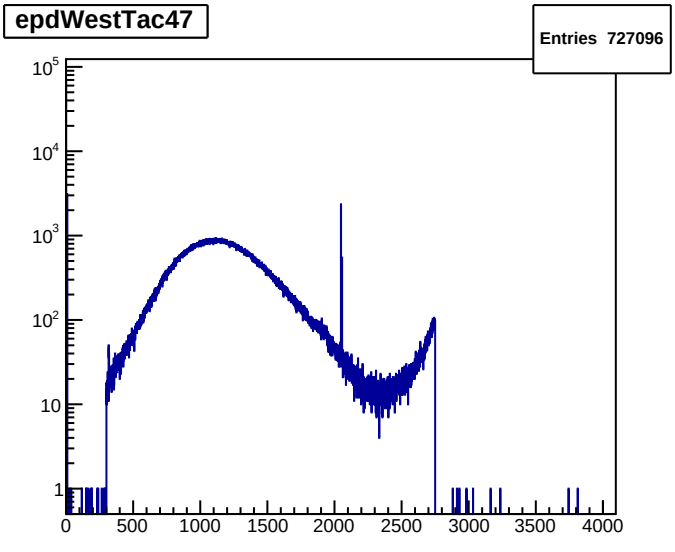
Entries 0
Data
Simu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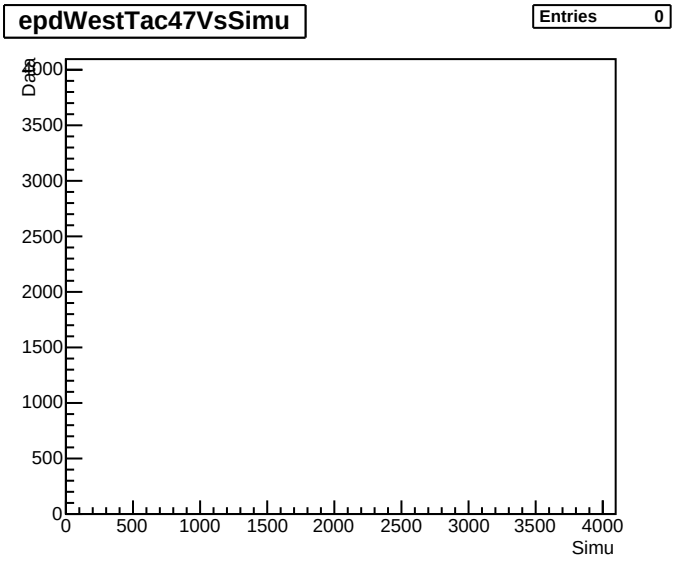
Entries 727096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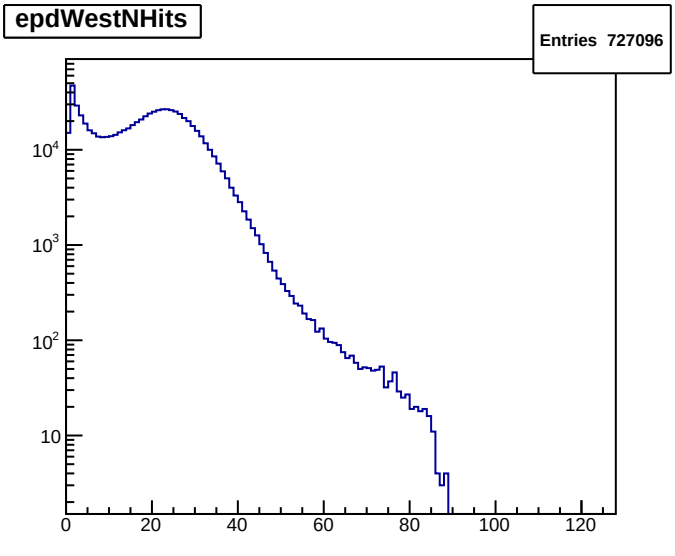
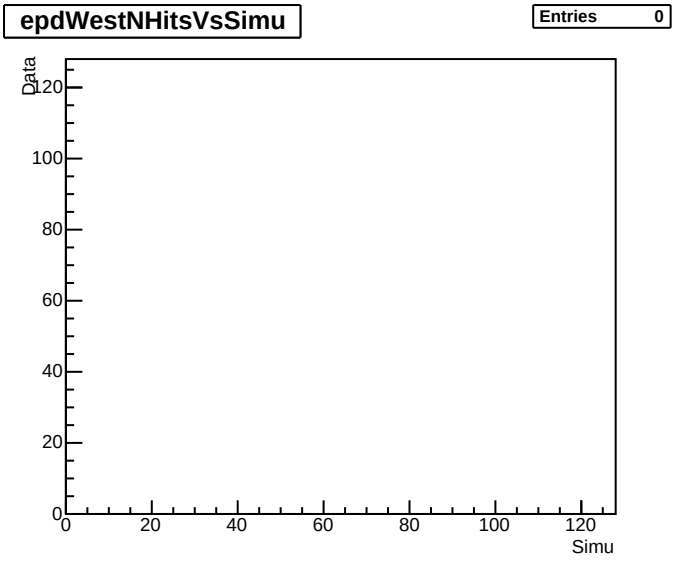
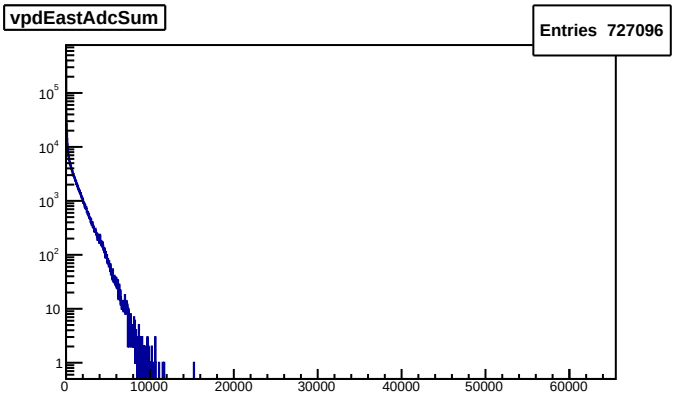
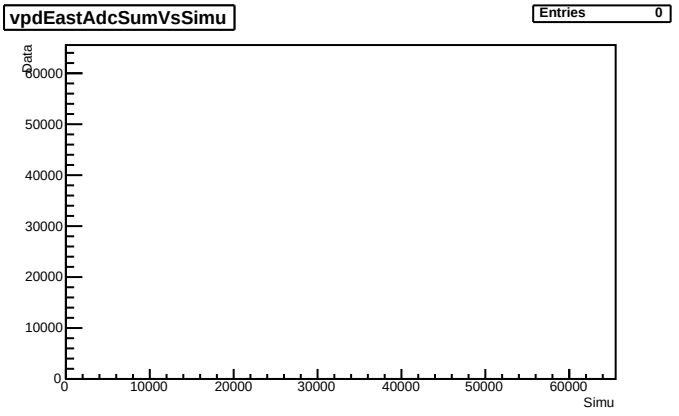
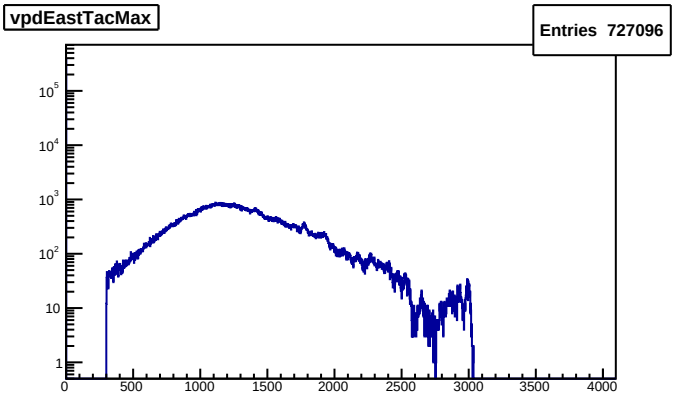
Entries 0
Data
Simu

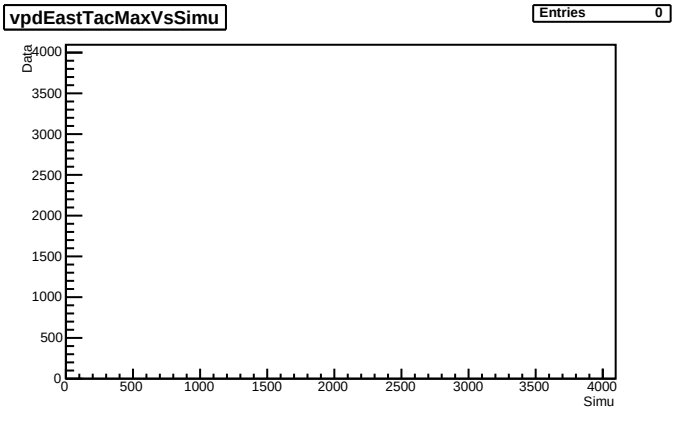

epdWestNHits
Entries 727096


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 727096


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 727096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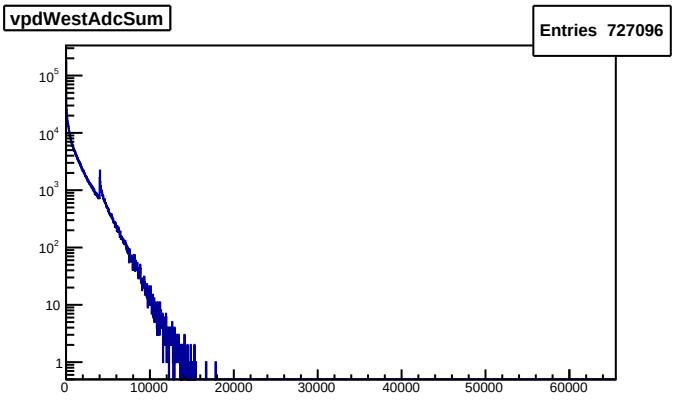
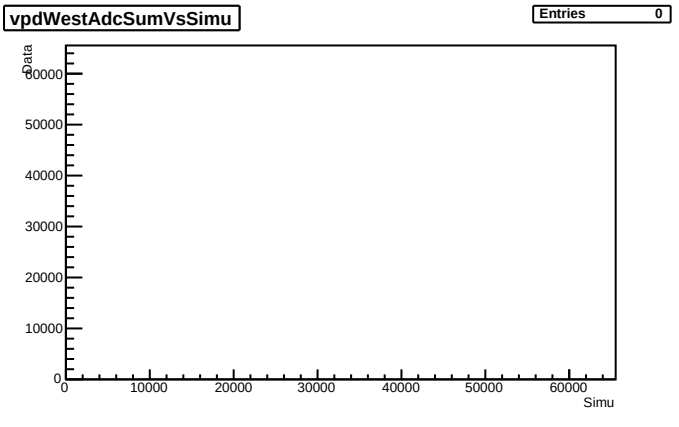
Entries 0
Data
Simu


vpdWestAdcSum
Entries 727096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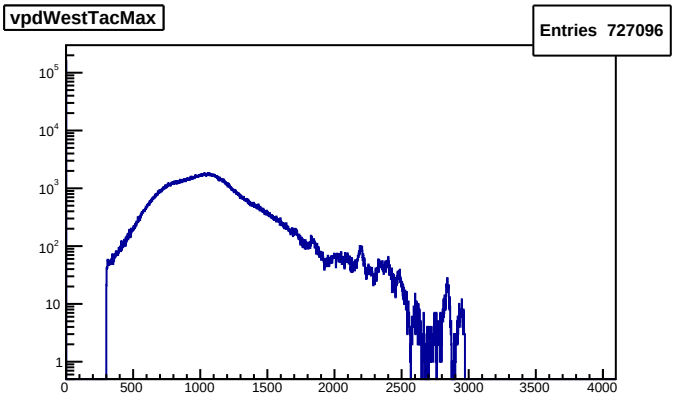
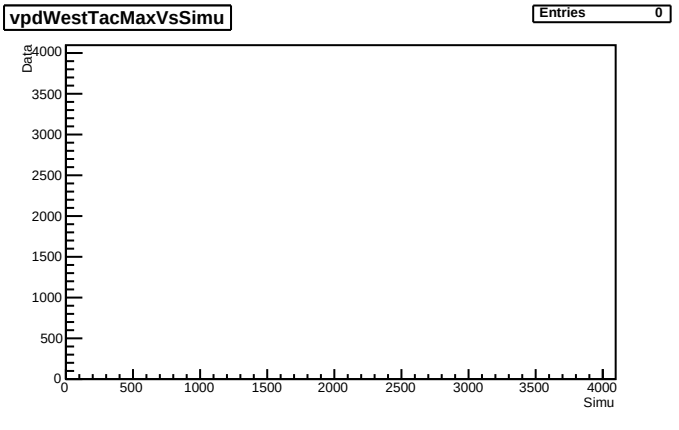
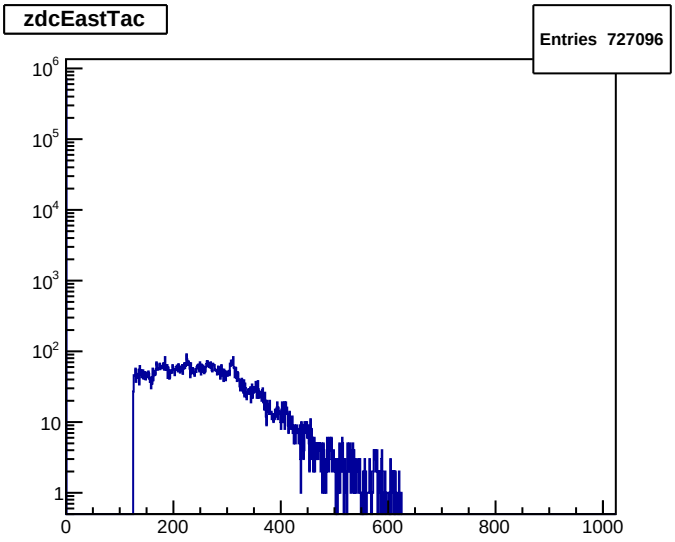
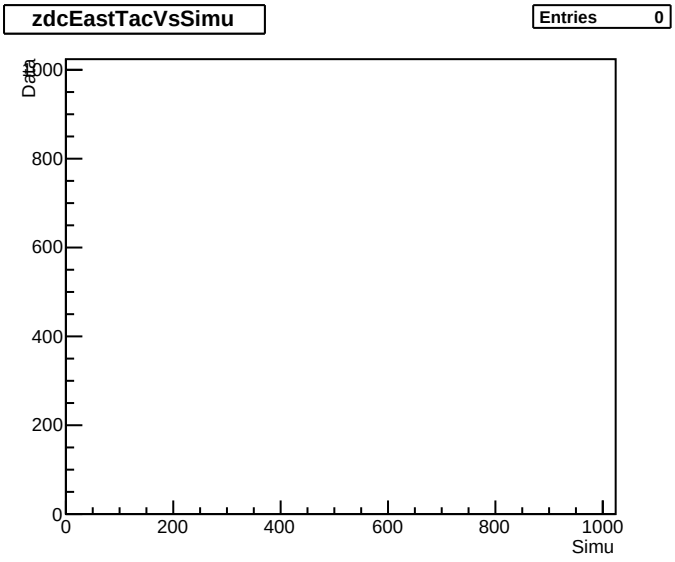
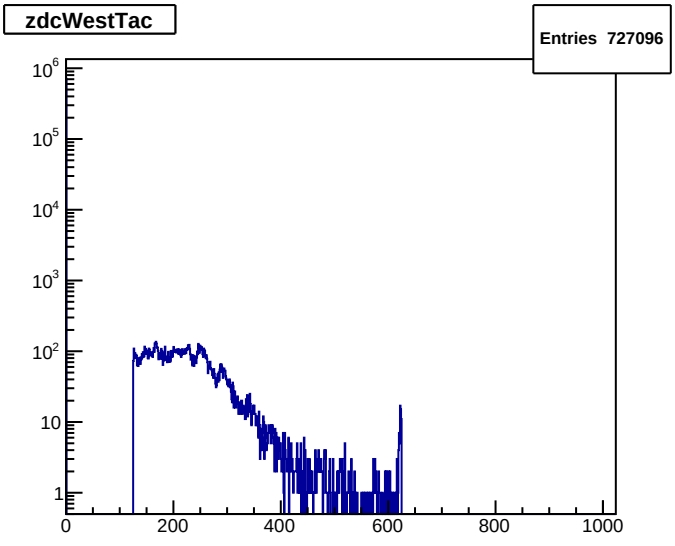
Entries 0
Data
Simu

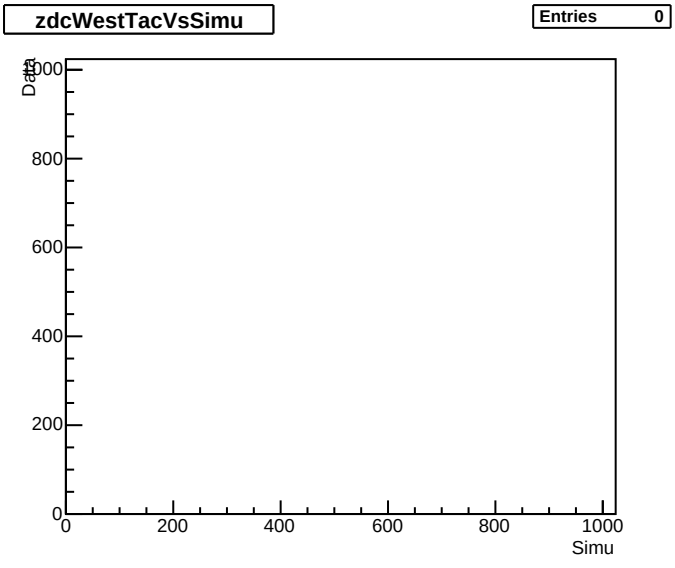

vpdWestTacMax
Entries 727096

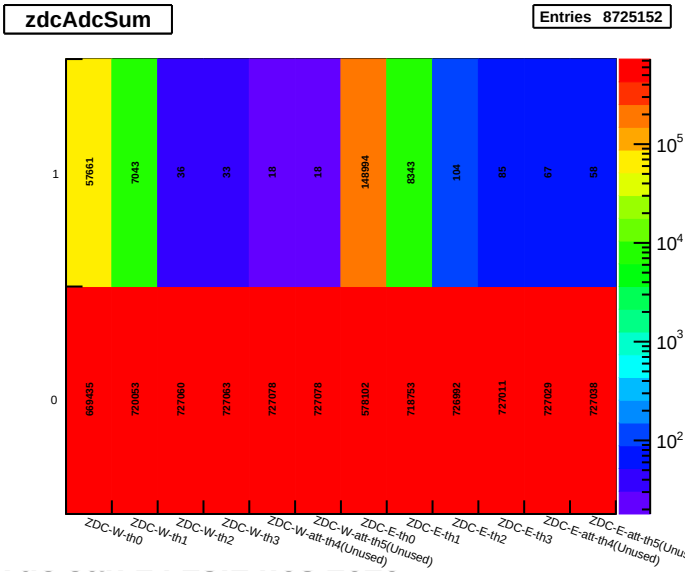

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

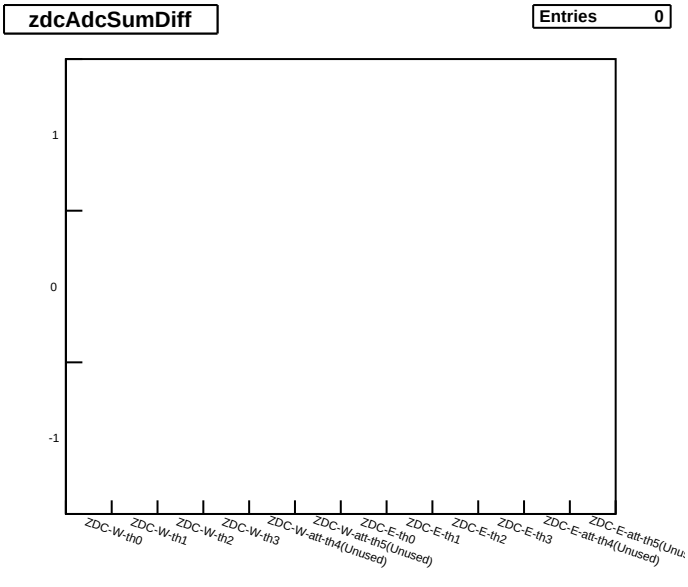

zdcEastTac
Entries 727096

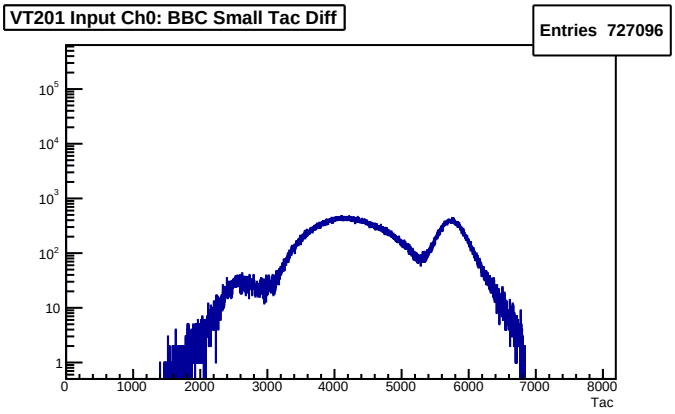

zdcEastTacVsSimu
Entries 0
Data
Simu

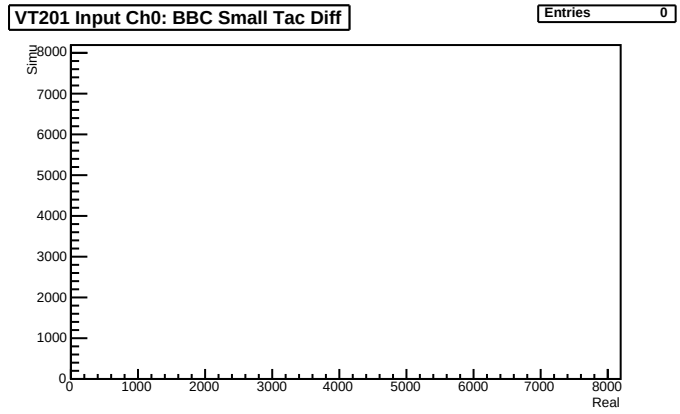

zdcWestTac
Entries 727096

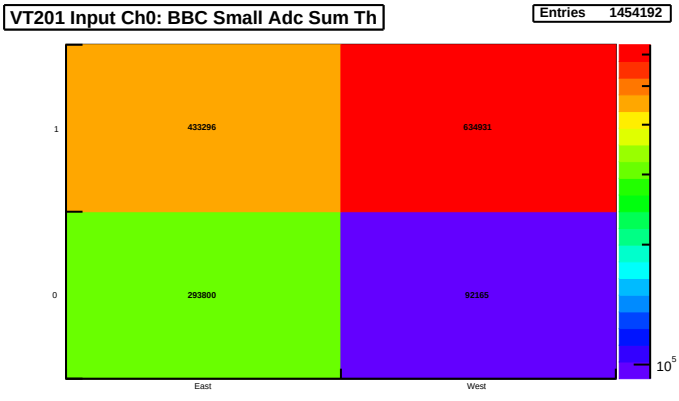

zdcWestTacVsSimu
Entries 0
Data
Simu

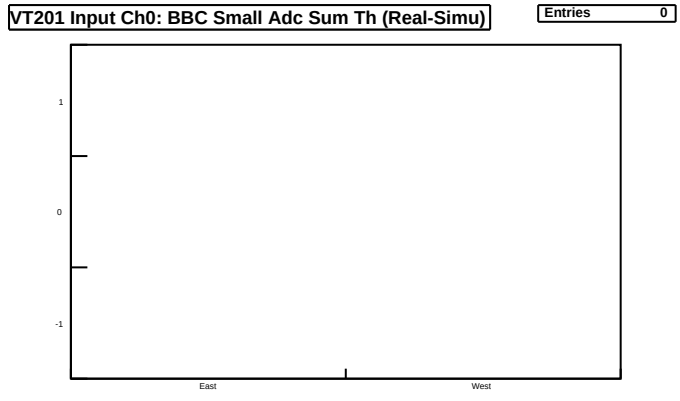

zdcAdcSum
Entries 8725152
57661
7043
36
33
18
18
148994
8343
104
85
67
58
669435
720053
727060
727063
727078
727078
578102
718753
726892
727011
727020
727038
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

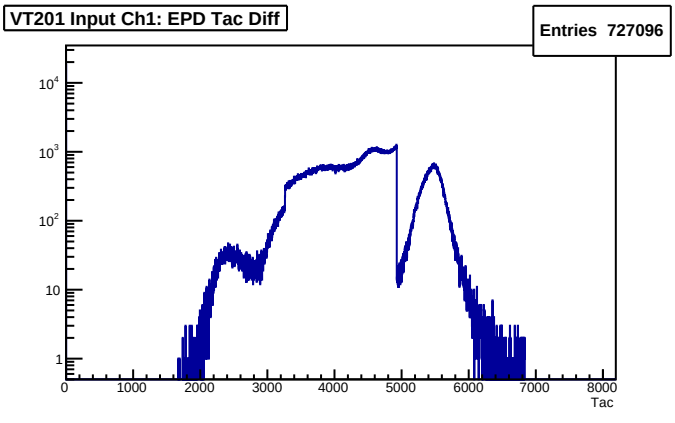

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

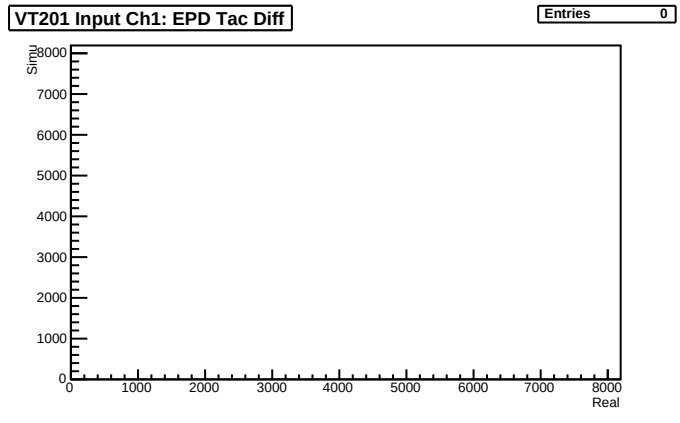

VT201 Input Ch0: BBC Small Tac Diff
Entries 727096
Tac

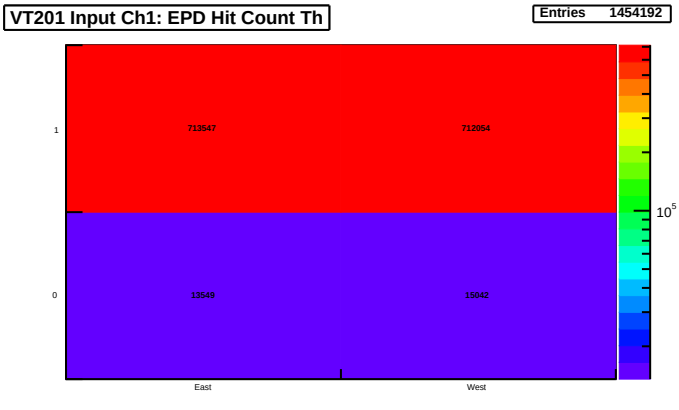

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

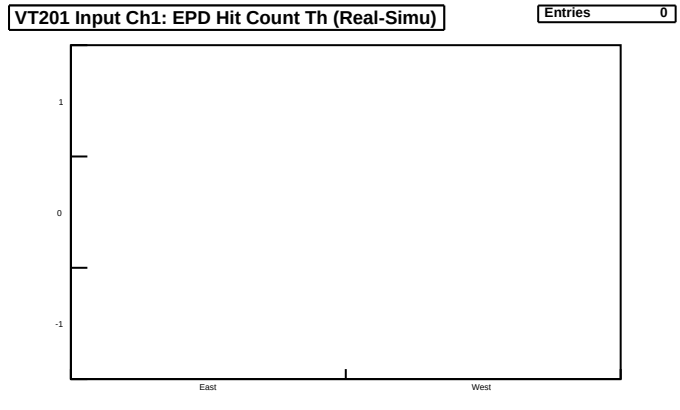

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1454192
433296
634931
293800
92165
East
West

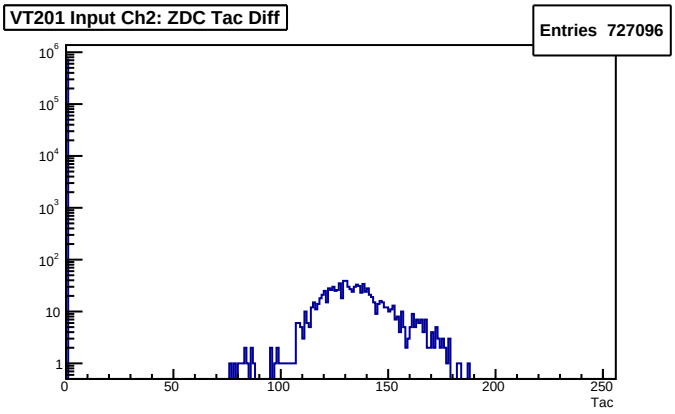

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

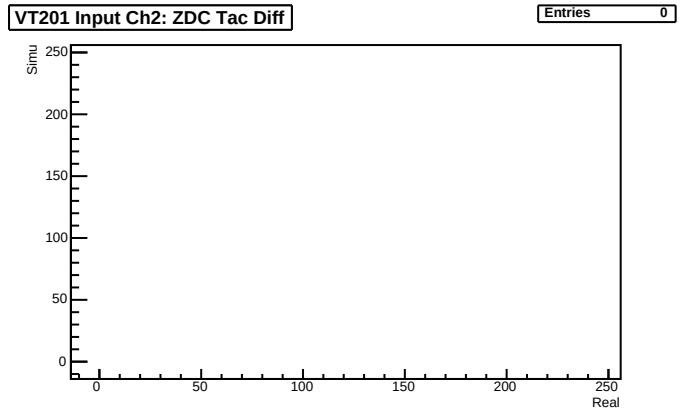

VT201 Input Ch1: EPD Tac Diff
Entries 727096
Tac

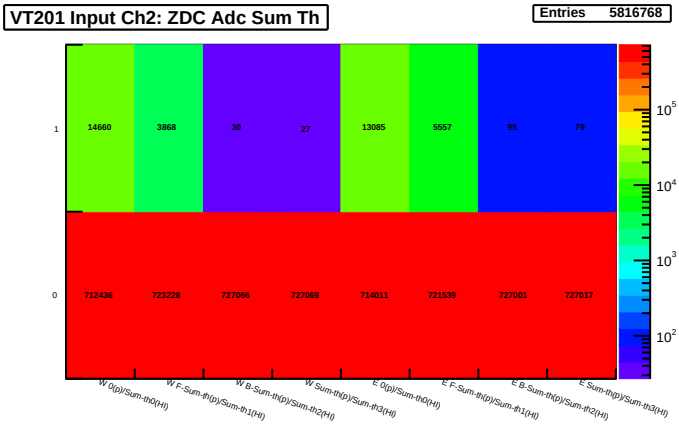

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

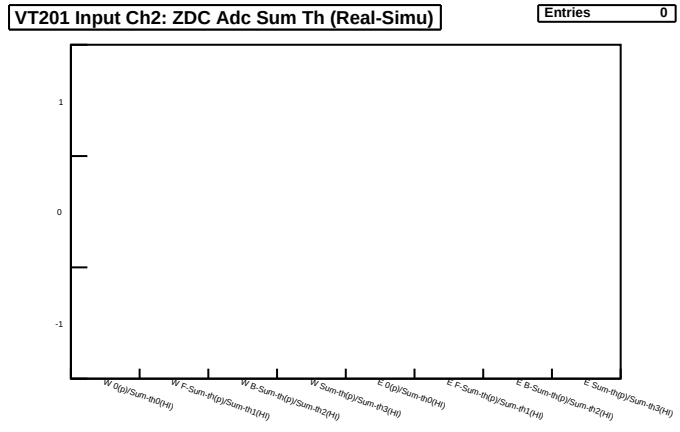

VT201 Input Ch1: EPD Hit Count Th
Entries 1454192
713547
712054
13549
15042
East
West

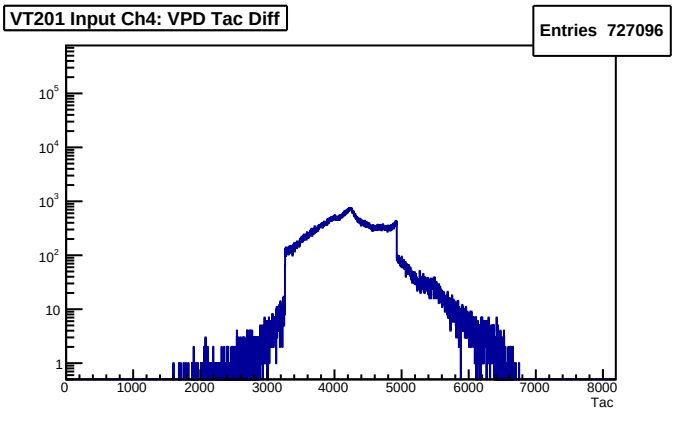

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

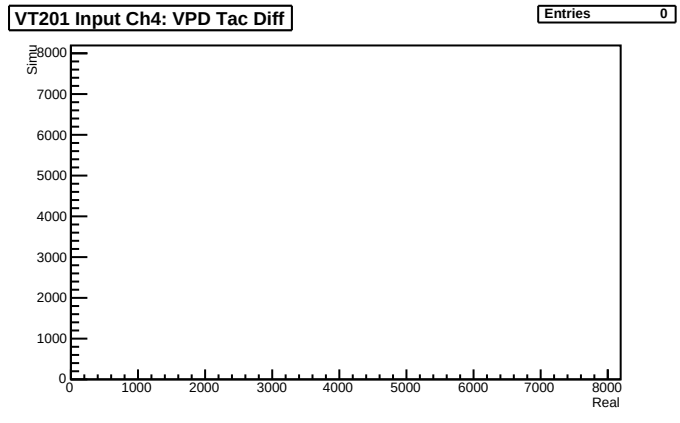

VT201 Input Ch2: ZDC Tac Diff
Entries 727096
Tac

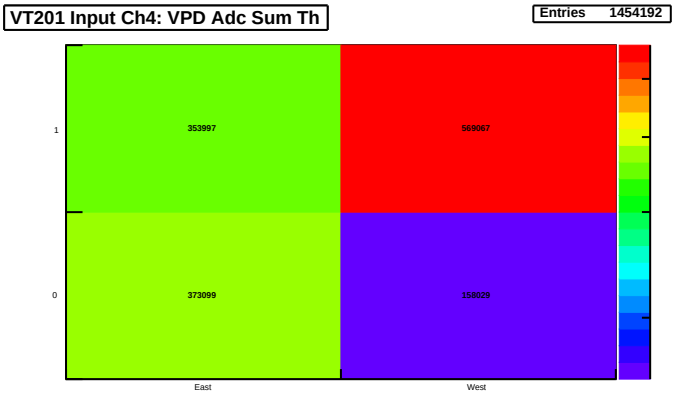

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

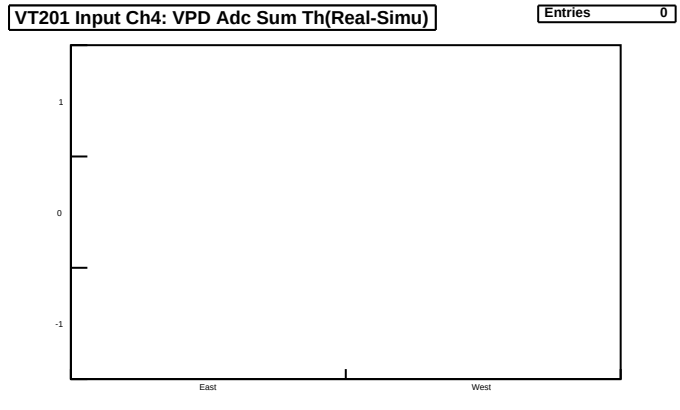

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5816768
14660
3868
30
27
13085
5557
95
79
712436
723228
727066
727069
714011
721539
727001
727017
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

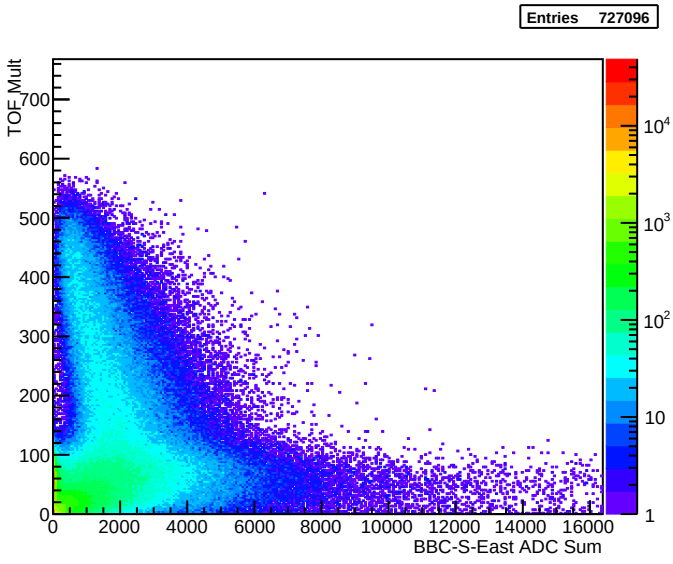

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

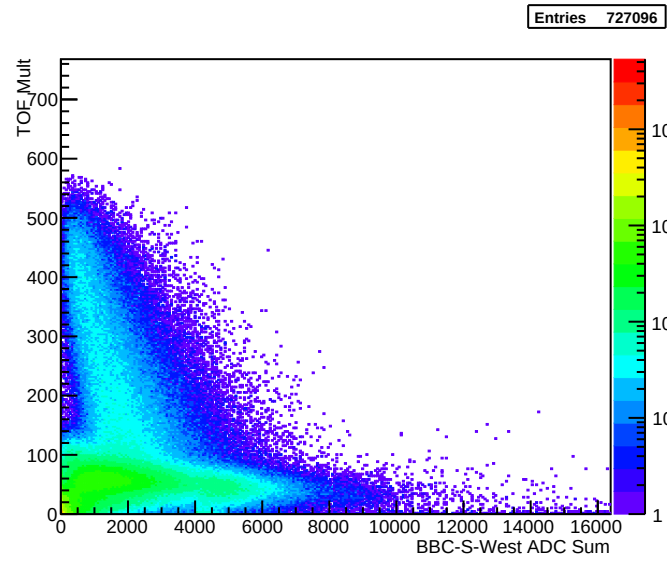

VT201 Input Ch4: VPD Tac Diff
Entries 727096
Tac

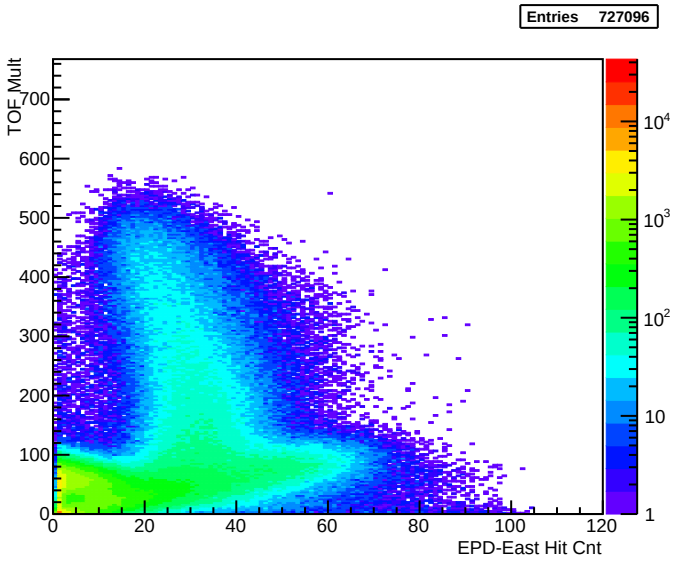

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

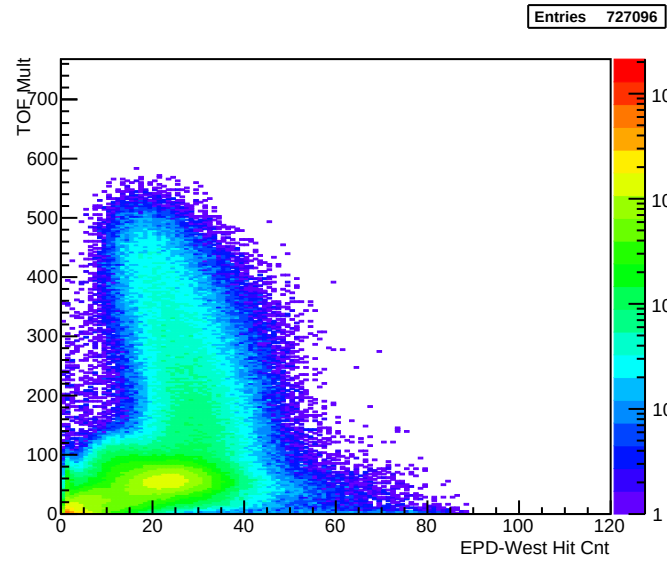

VT201 Input Ch4: VPD Adc Sum Th
Entries 1454192
353997
569067
373099
158029
East
West

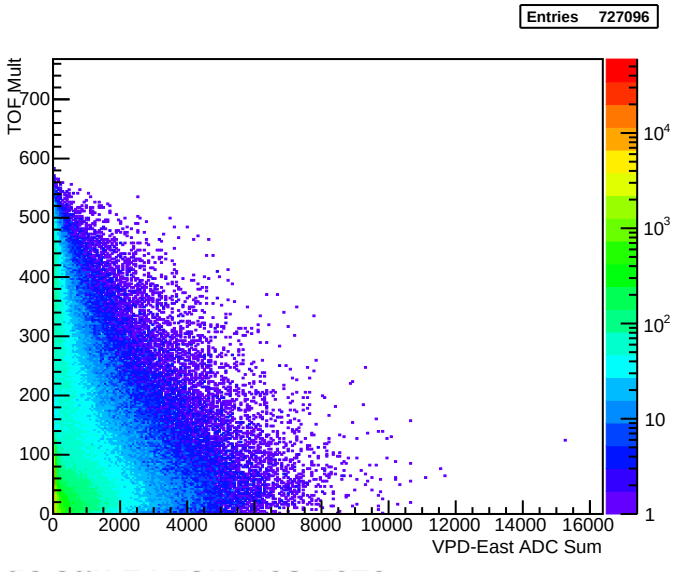

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

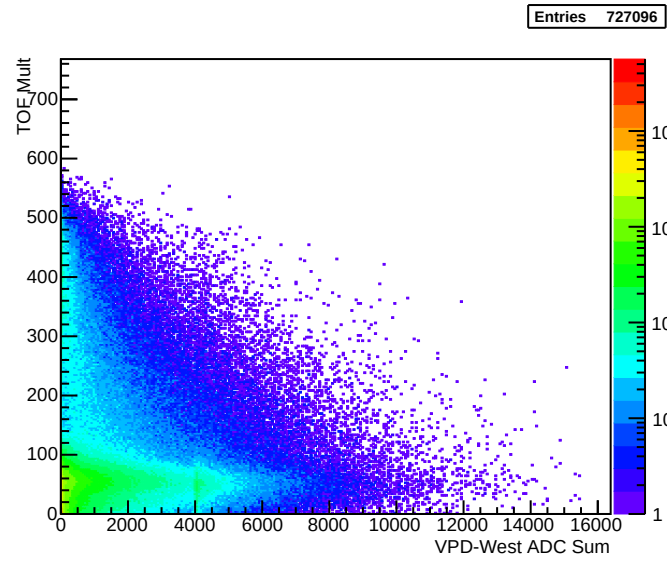

Entries 727096
TOF_Mult
BBC-S-East ADC Sum

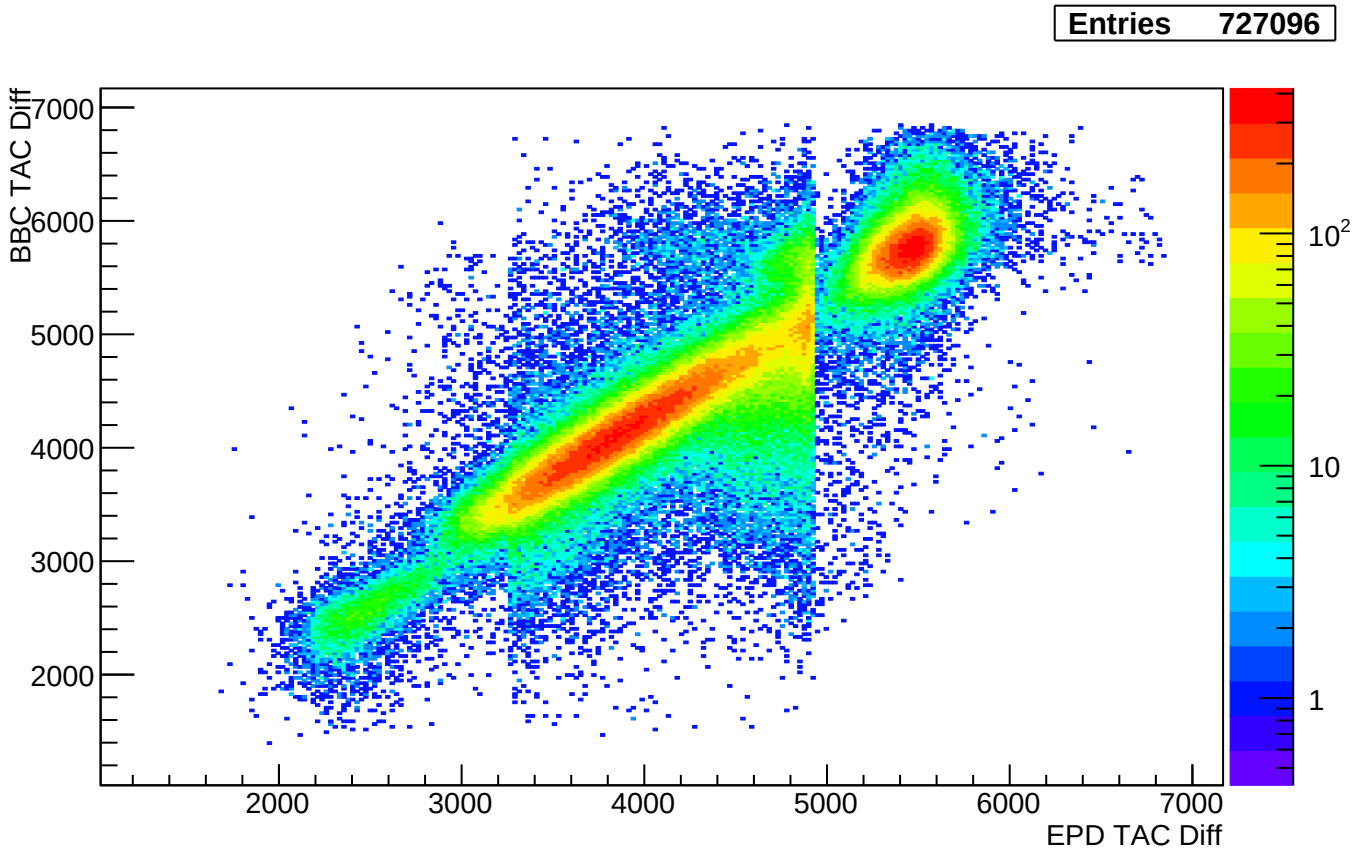

Entries 727096
TOF_Mult
BBC-S-West ADC Sum

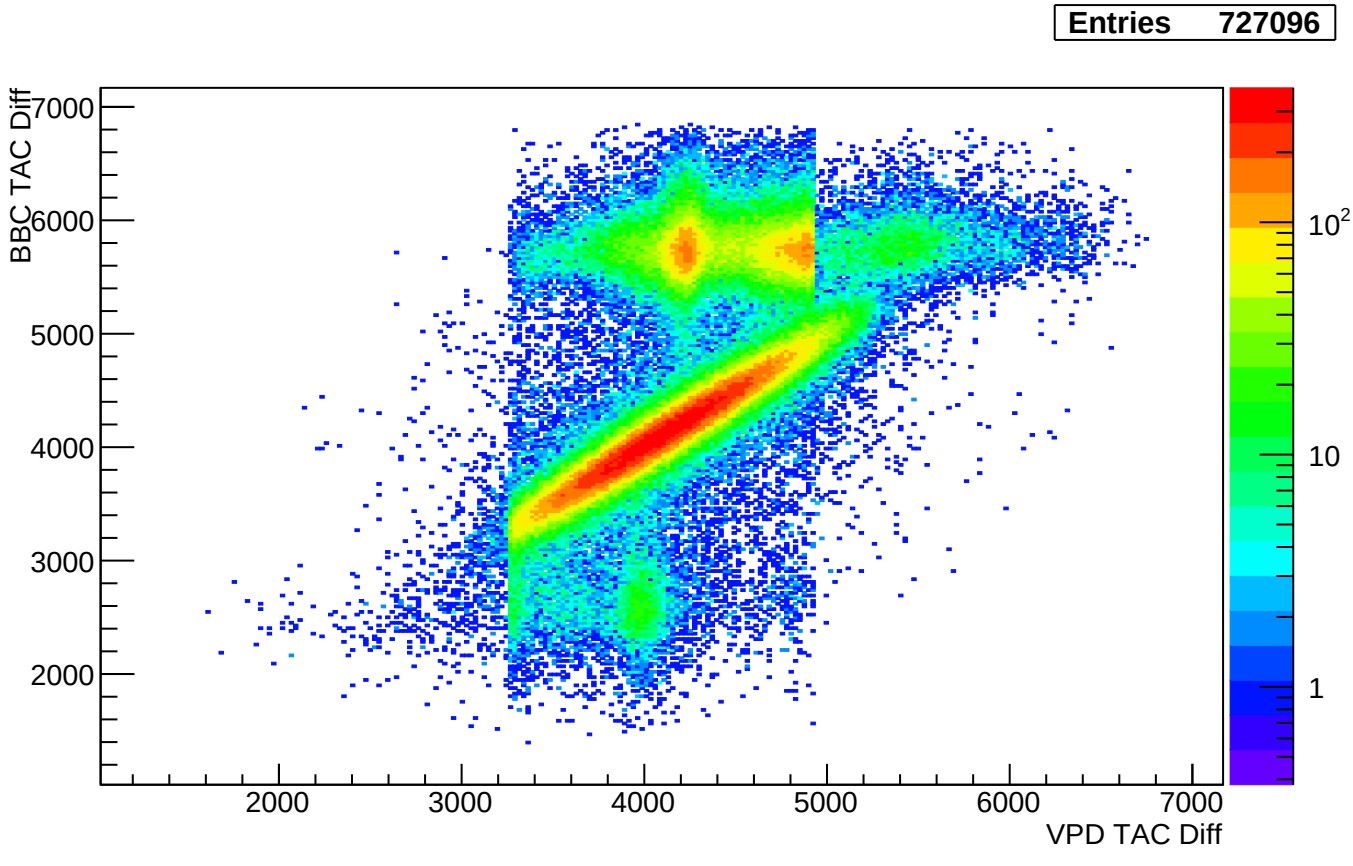

Entries 727096
TOF_Mult
EPD-East Hit Cnt

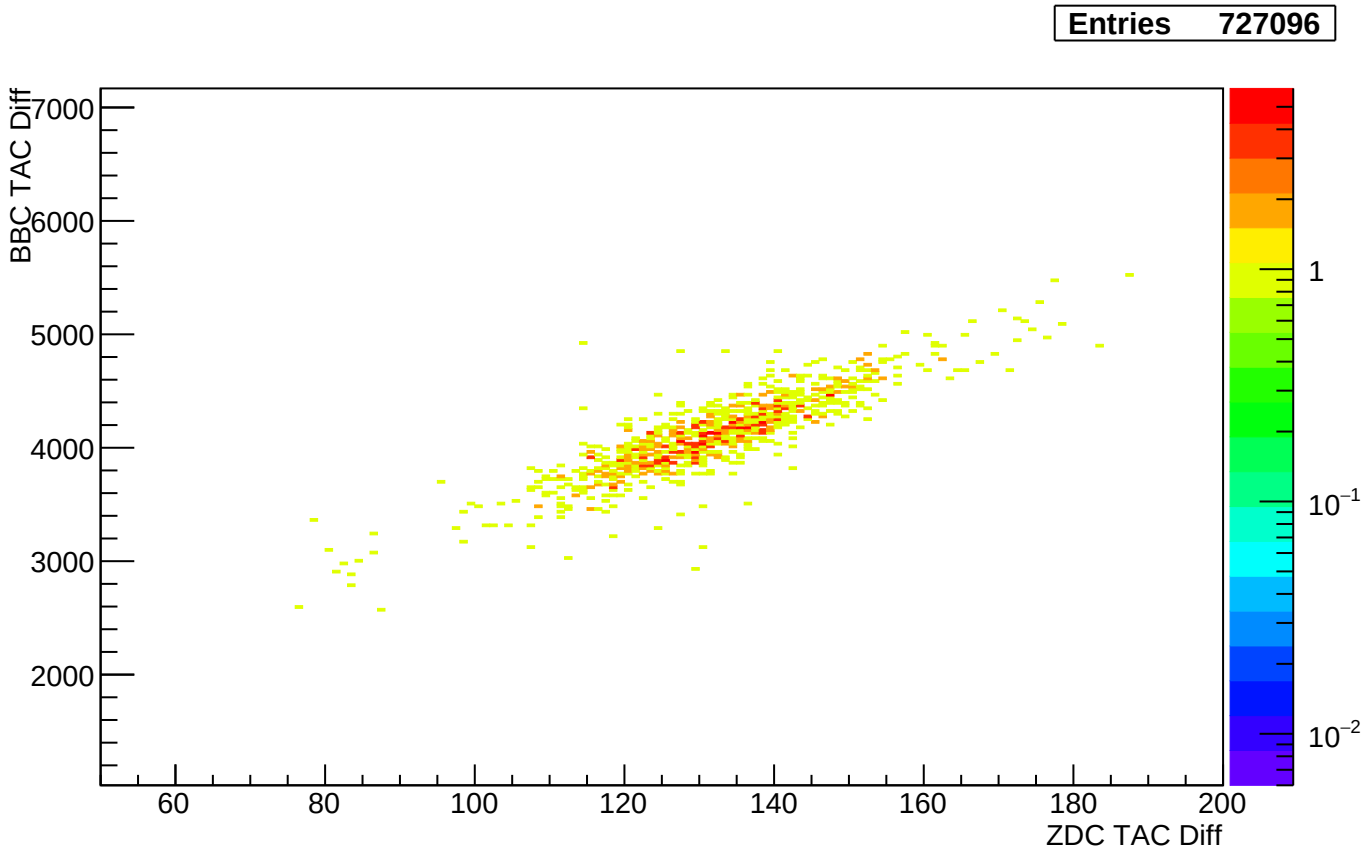

Entries 727096
TOF_Mult
EPD-West Hit Cnt

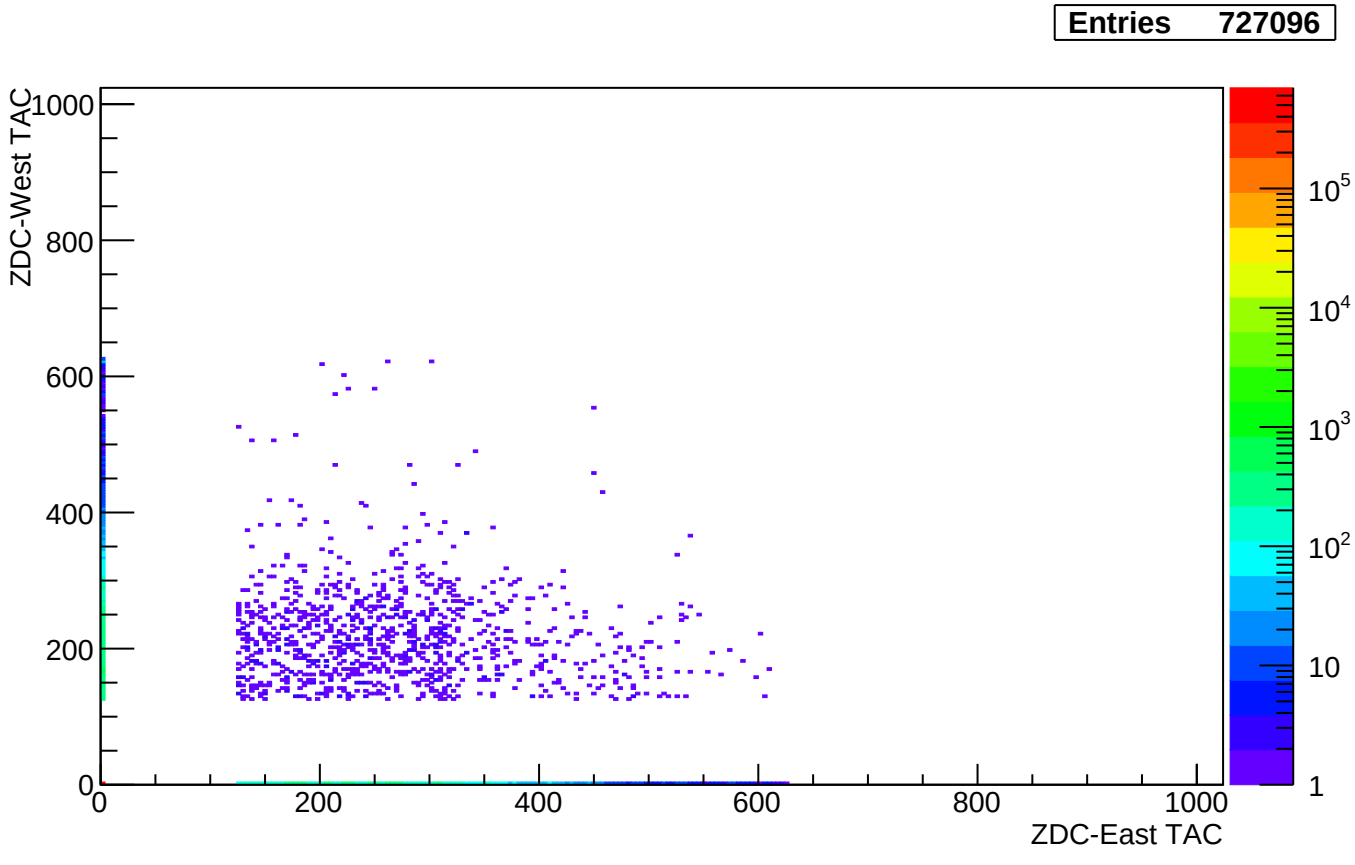

Entries 727096
TOF_Mult
VPD-East ADC Sum

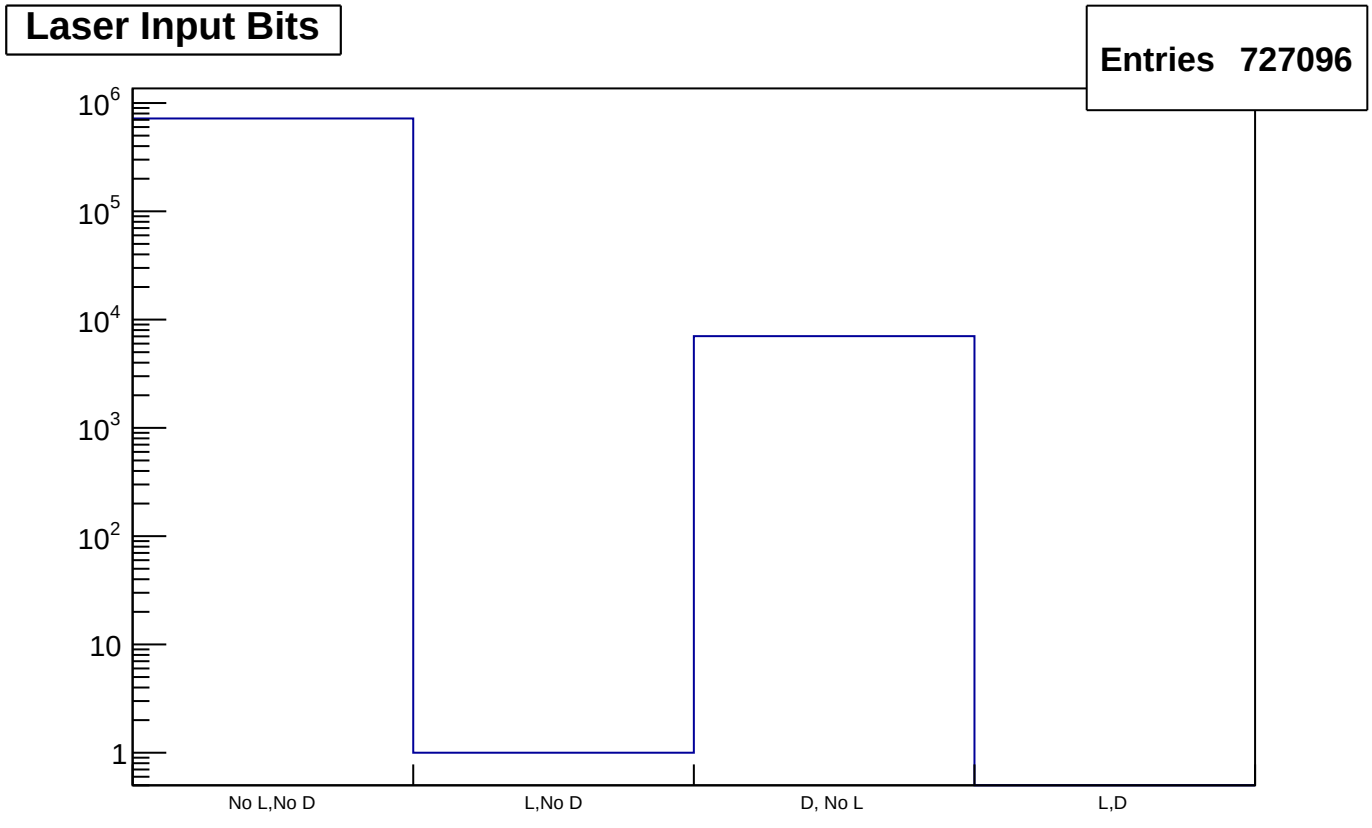

Entries 727096
TOF_Mult
VPD-West ADC Sum

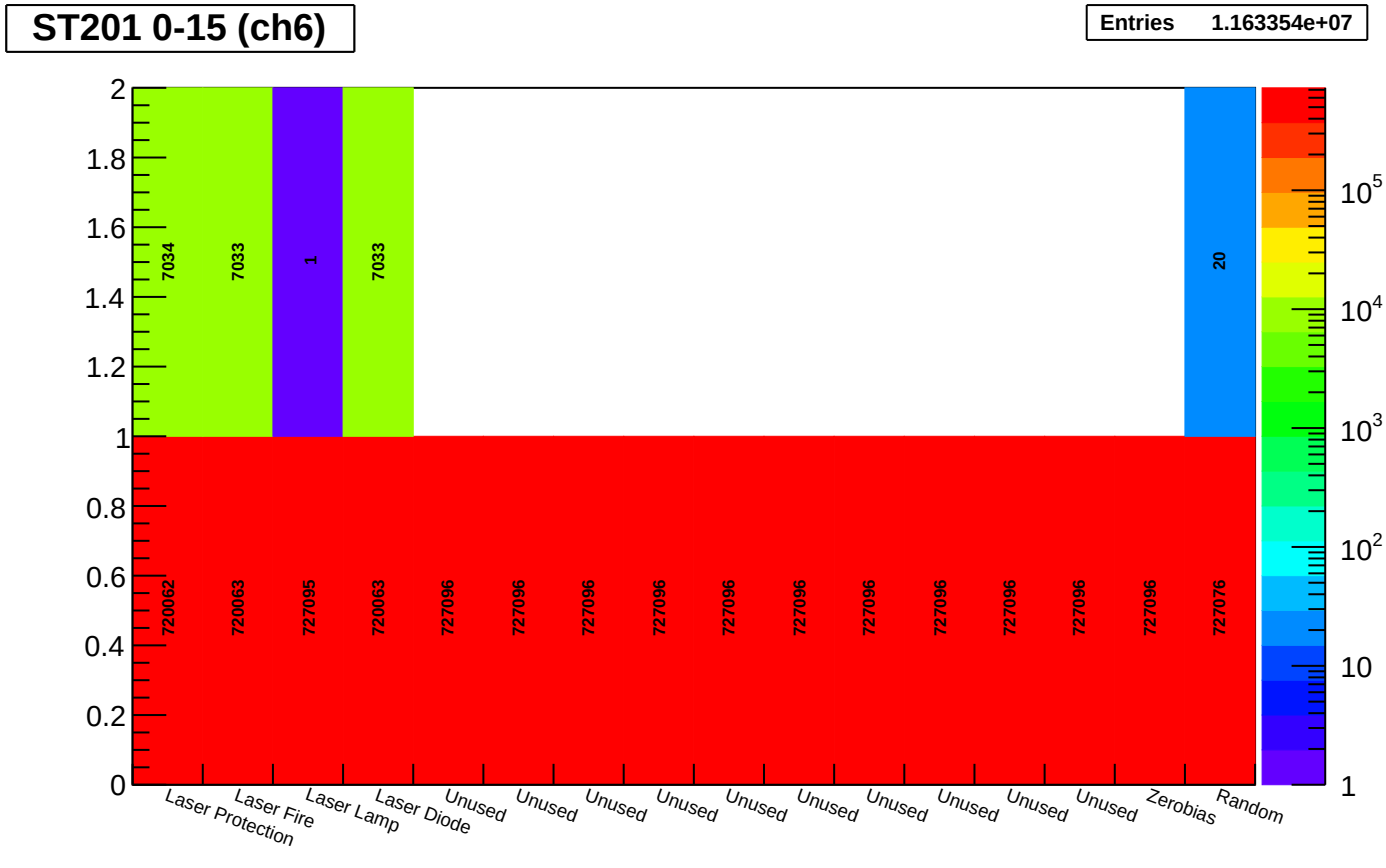

Entries 727096
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

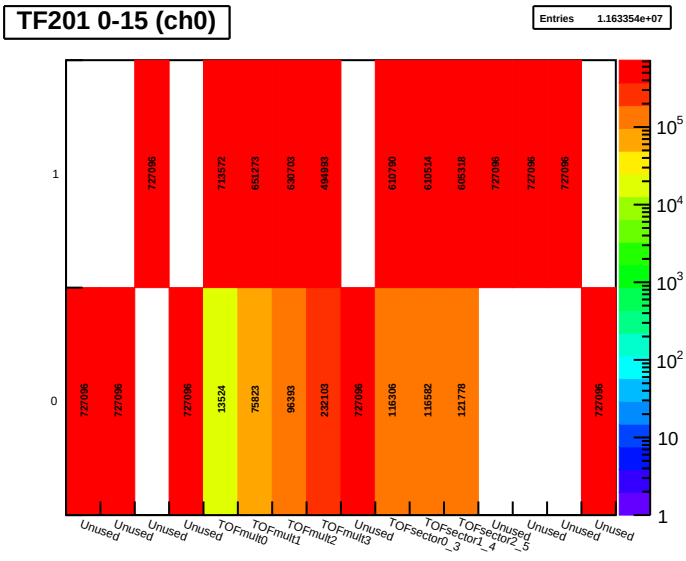

Entries 727096
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

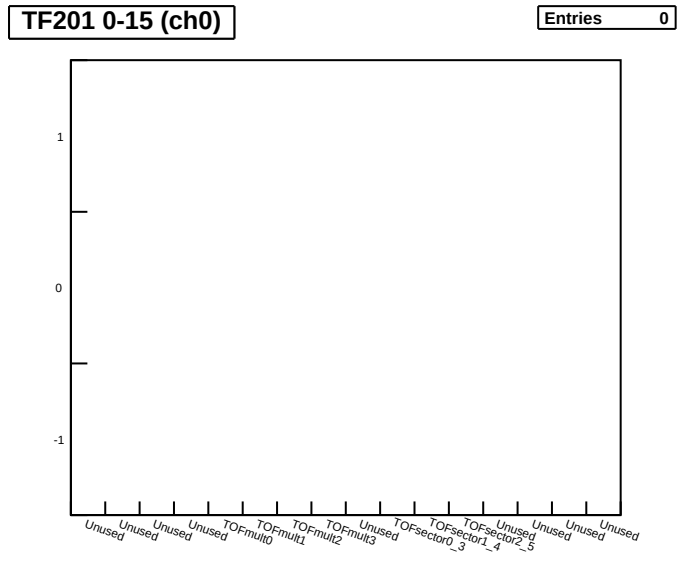

Entries 727096
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

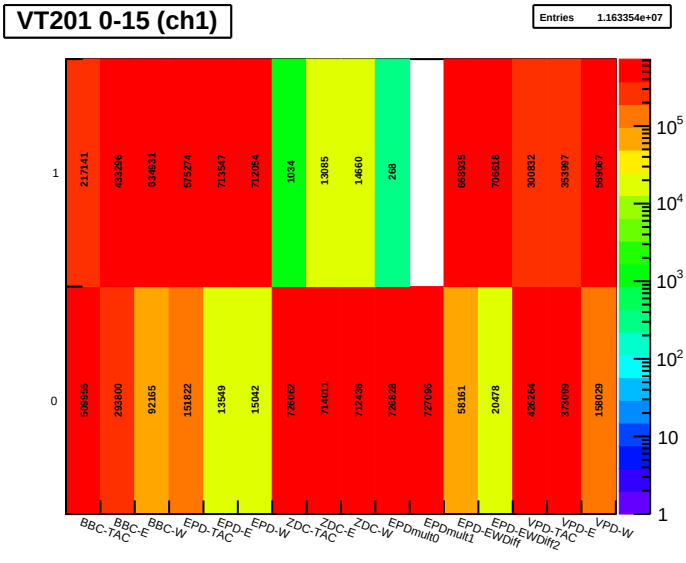

Entries 727096
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

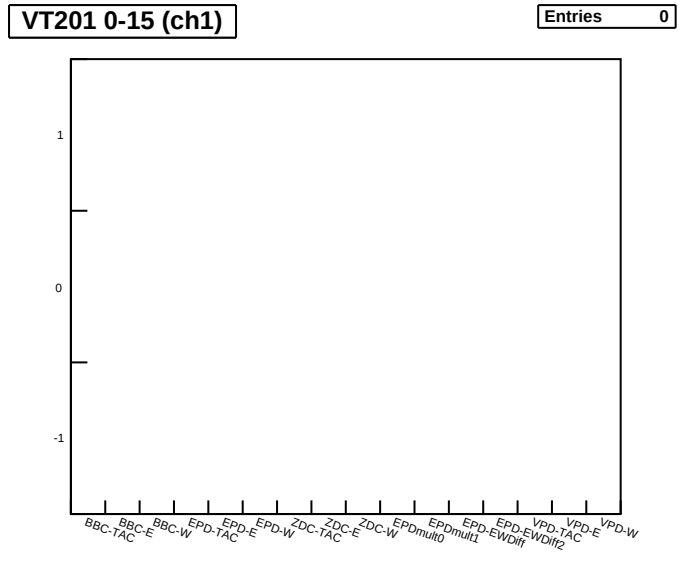

Laser Input Bits
Entries 727096
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

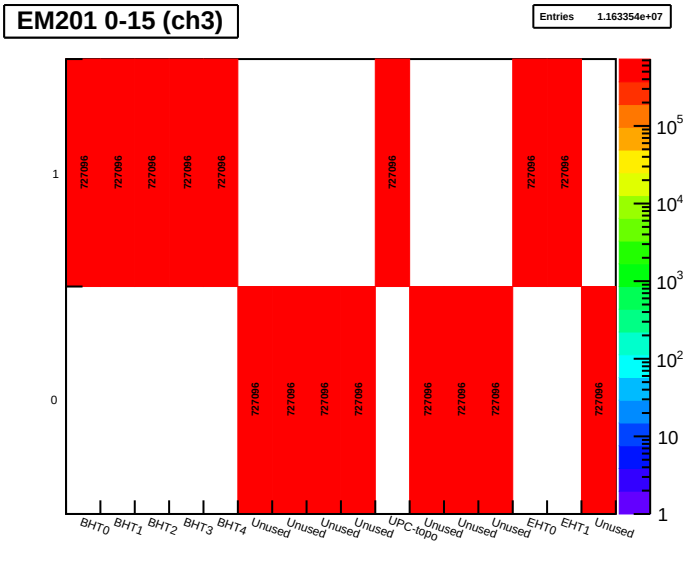

ST201 0-15 (ch6)
Entries 1.163354e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7034
7033
1
7033
20
720062
720063
727095
720063
727096
727096
727096
727096
727096
727096
727096
727096
727096
727096
727076
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

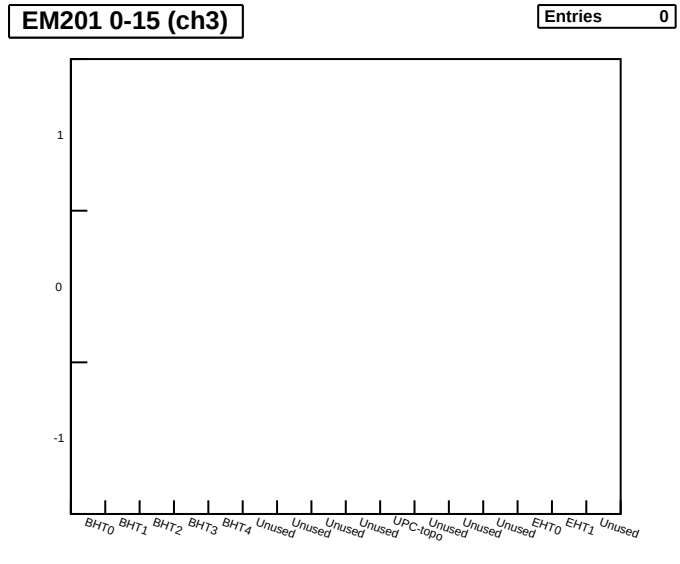

TF201 0-15 (ch0)
Entries 1.163354e+07
1
0
727096 727096 727096 13524 75823 96393 232103 727096 116306 116582 121778 727096
727096 727096 727096 713572 651273 630703 494993 610790 610514 605318 727096 727096 727096
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 1.163354e+07
1
0
217141 433296 634831 575274 713547 712054 1034 13085 14660 268 668935 706618 300832 353997 569067
509955 293800 92165 151822 13549 15042 726062 714011 712436 726828 727096 58161 20478 426264 373099 158029
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 1.163354e+07
1
0
727096 727096 727096 727096 727096 727096 727096
727096 727096 727096 727096 727096 727096 727096 727096 727096
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