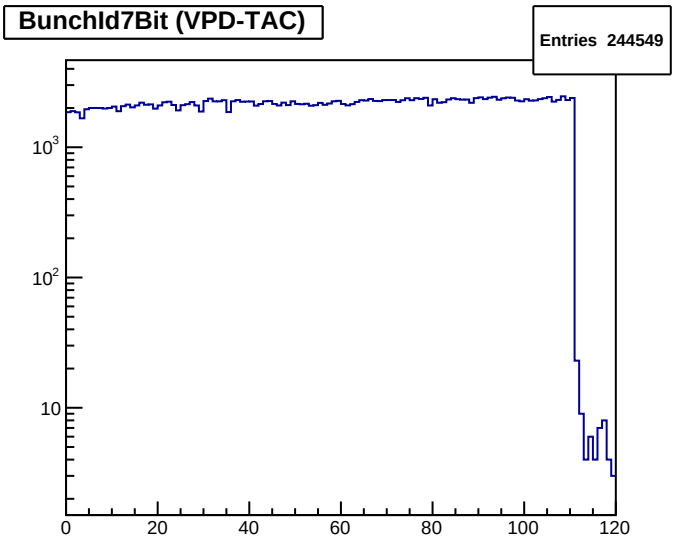
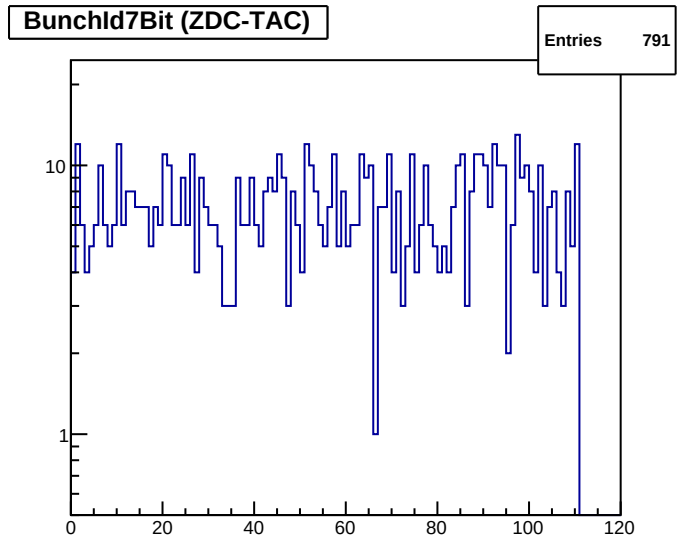
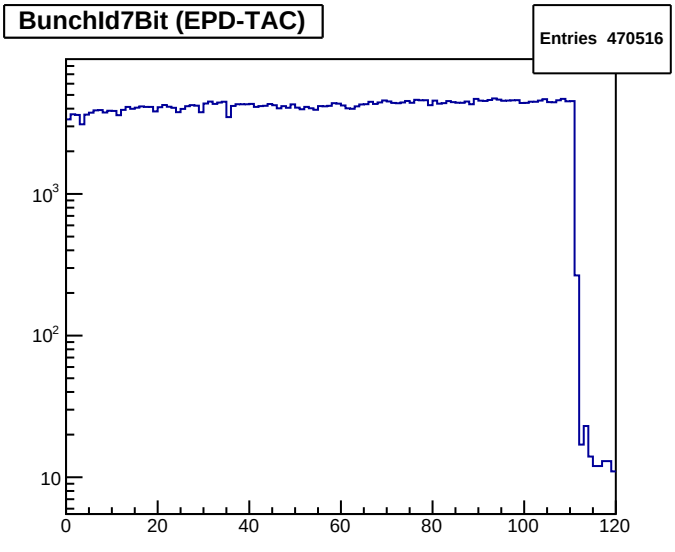
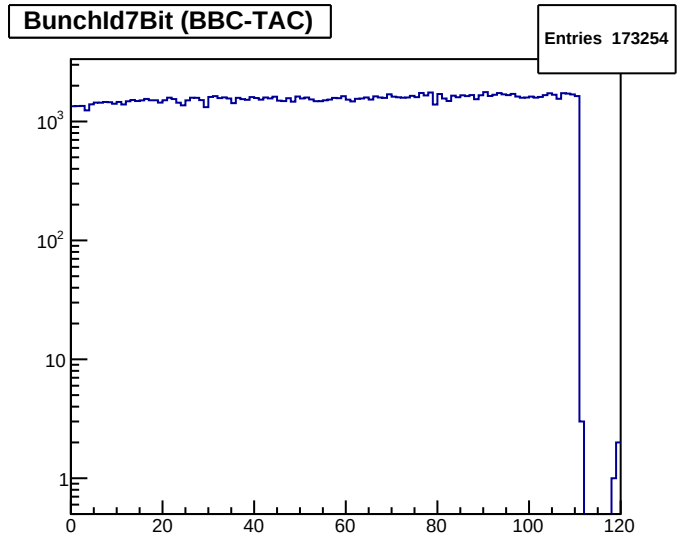
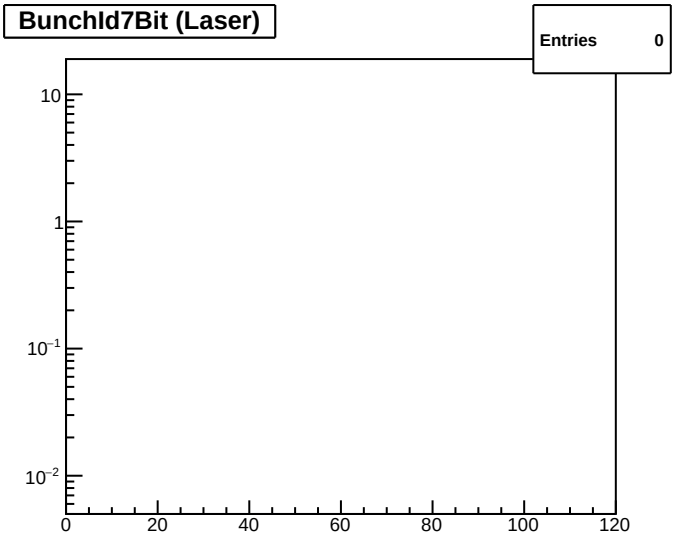
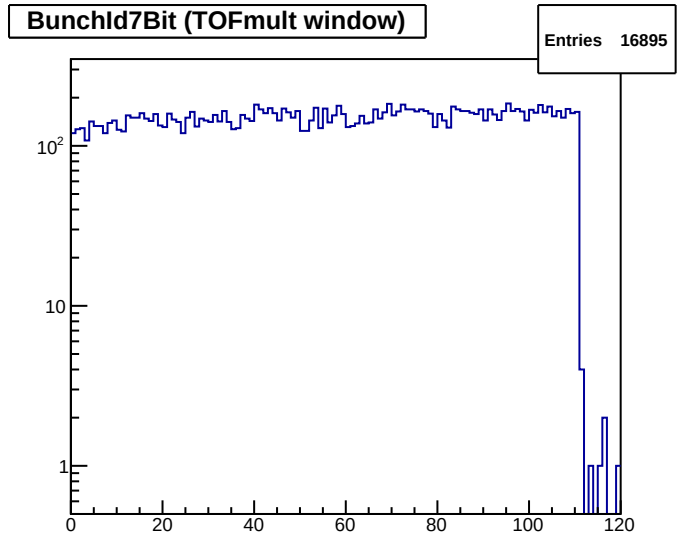

BunchId7Bit (VPD-TAC)
Entries 244549
10^3
10^2
10
0 20 40 60 80 100 120

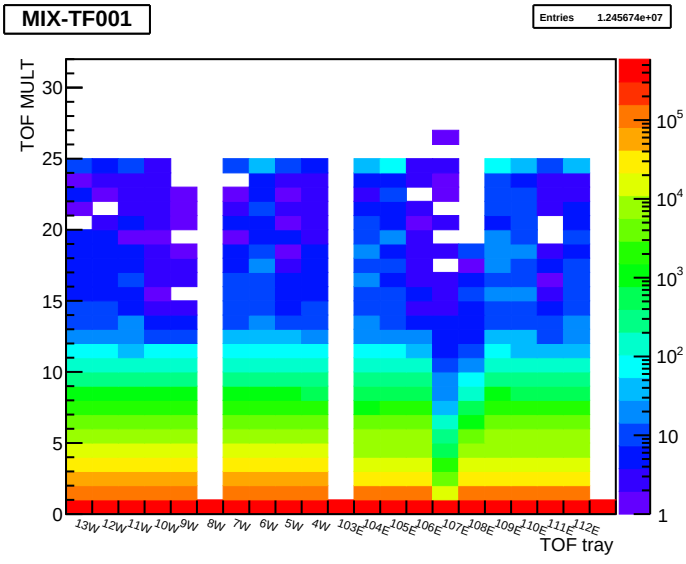

BunchId7Bit (ZDC-TAC)
Entries 791
10
1
0 20 40 60 80 100 120

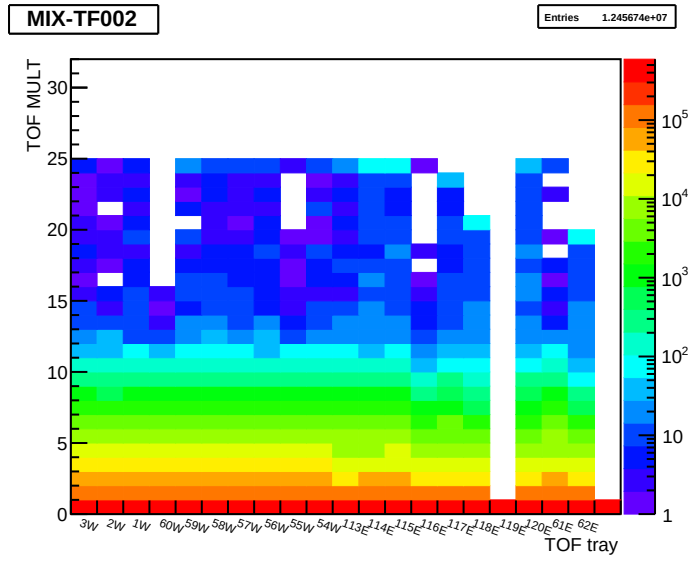

BunchId7Bit (EPD-TAC)
Entries 470516
10^3
10^2
10
0 20 40 60 80 100 120

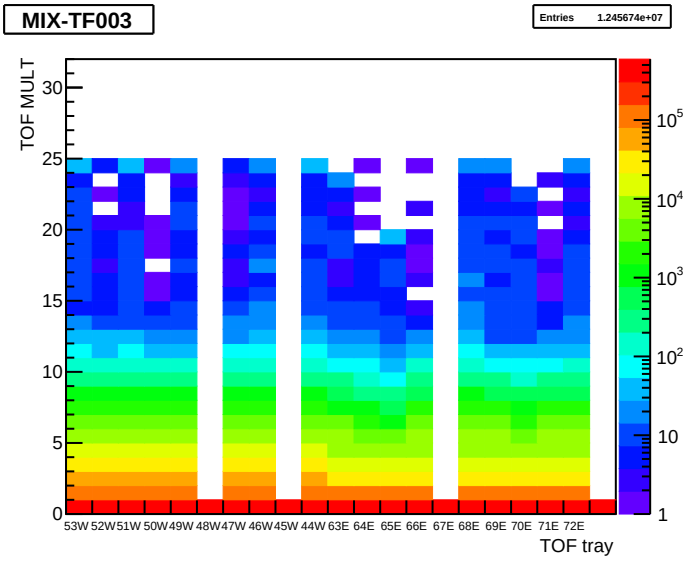

BunchId7Bit (BBC-TAC)
Entries 173254
10^3
10^2
10
1
0 20 40 60 80 100 120

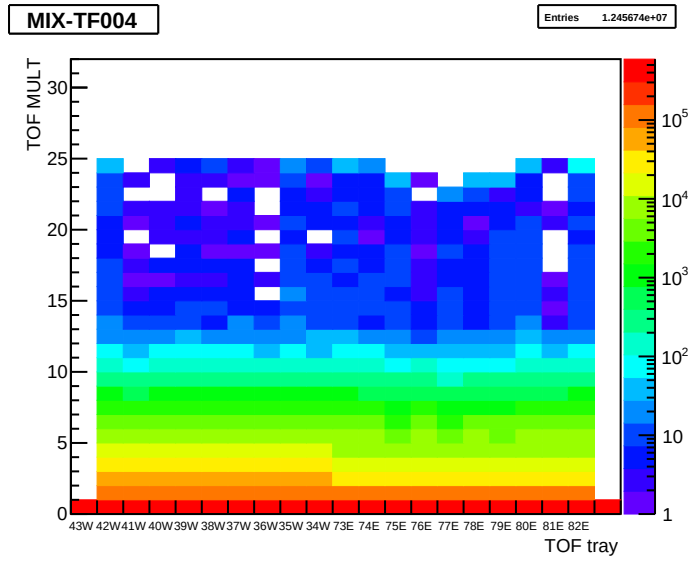

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

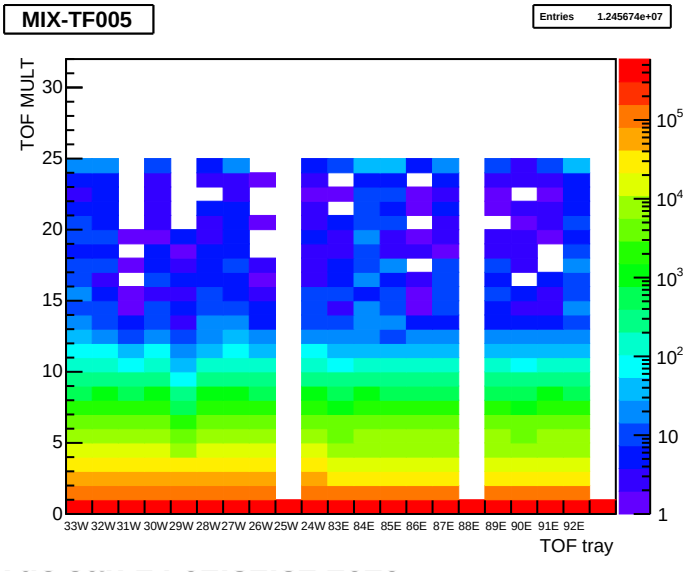

BunchId7Bit (TOFmult window)
Entries 16895
10^2
10
1
0 20 40 60 80 100 120

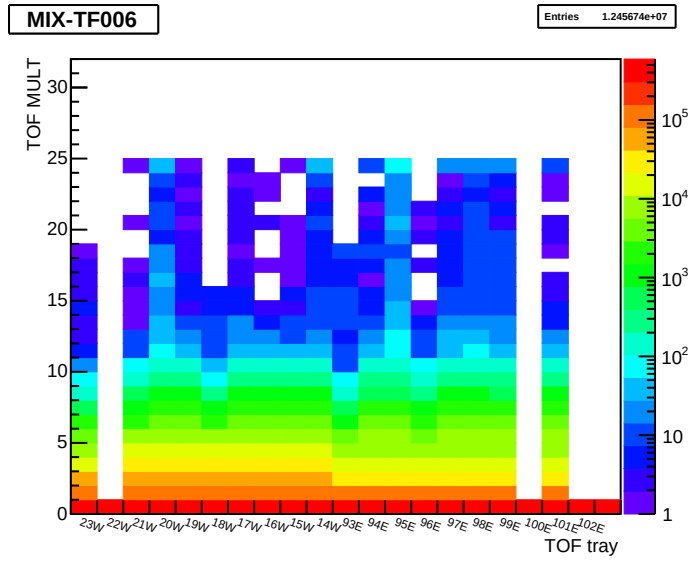

MIX-TF001
Entries 1.245674e+07
TOF MULT
TOF tray

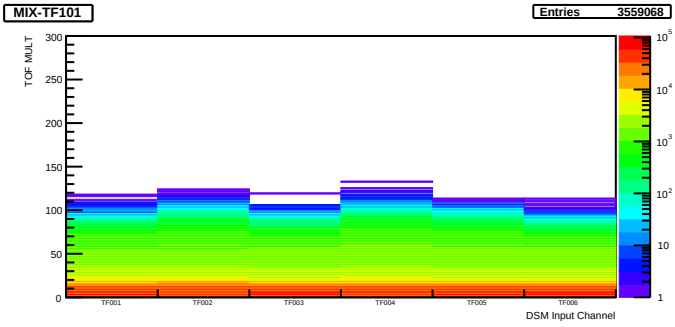

MIX-TF002
Entries 1.245674e+07
TOF MULT
TOF tray

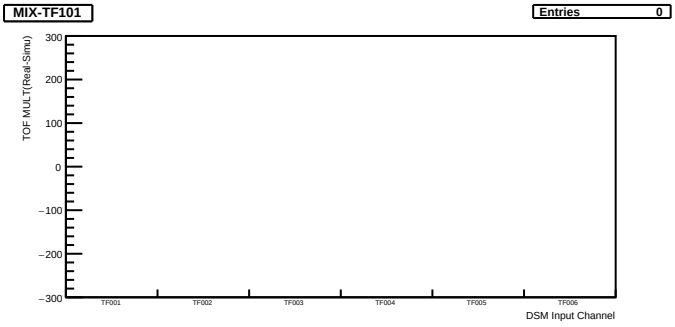

MIX-TF003
Entries 1.245674e+07
TOF MULT
TOF tray

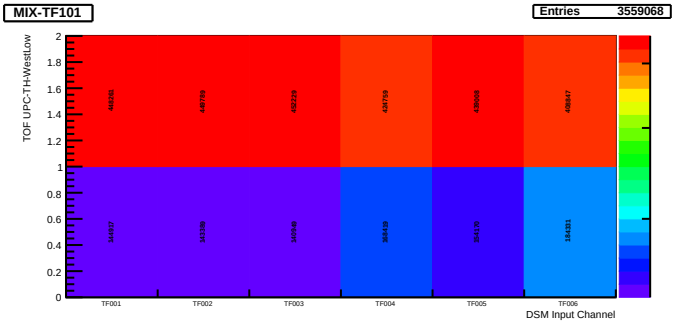

MIX-TF004
Entries 1.245674e+07
TOF MULT
TOF tray

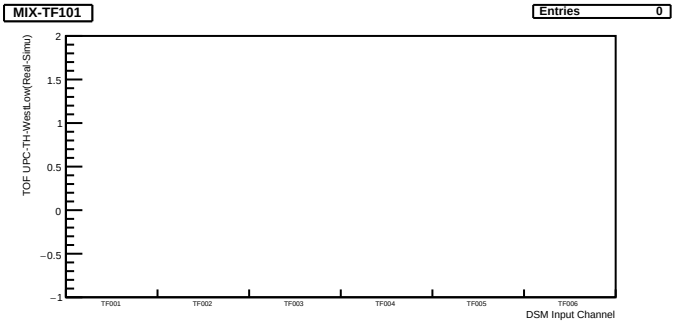

MIX-TF005
Entries 1.245674e+07
TOF MULT
TOF tray

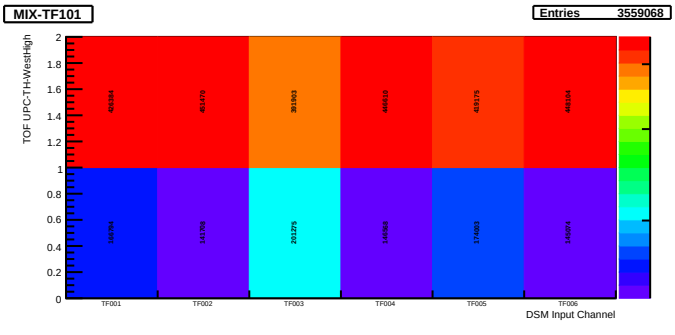

MIX-TF006
Entries 1.245674e+07
TOF MULT
TOF tray

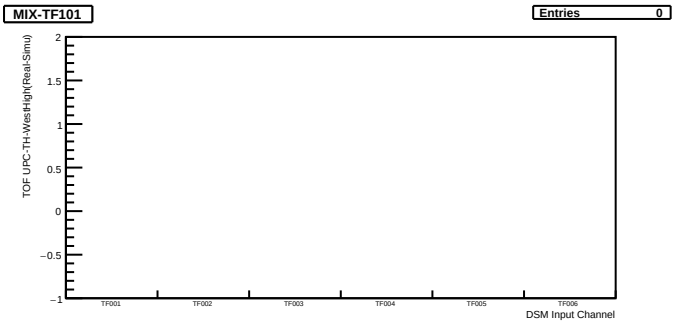

MIX-TF101
Entries 3559068
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

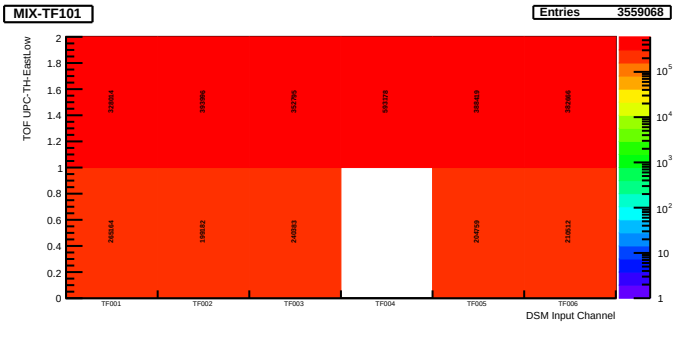

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

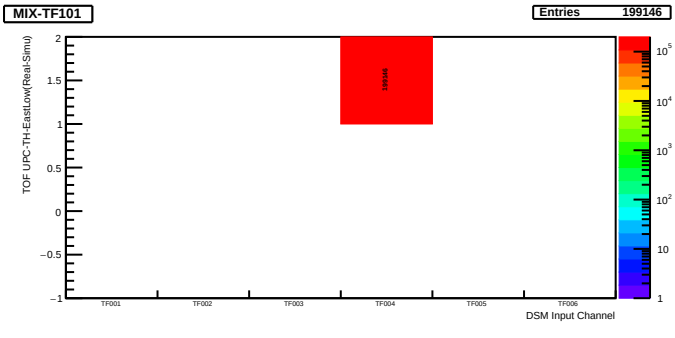

MIX-TF101
Entries 3559068
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

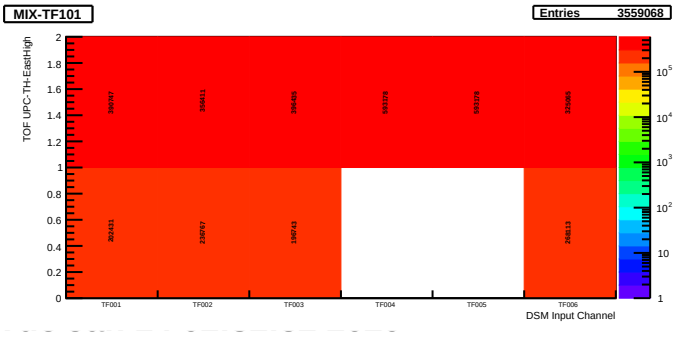

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

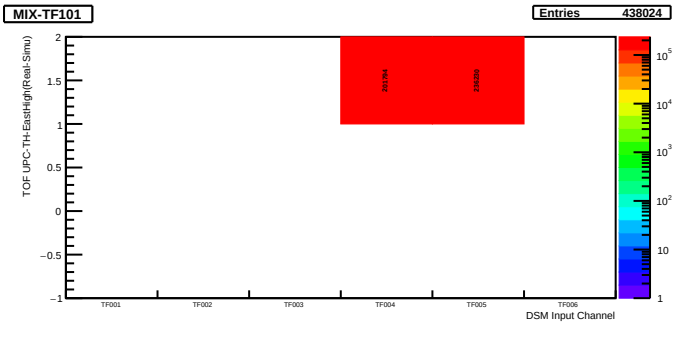

MIX-TF101
Entries 3559068
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

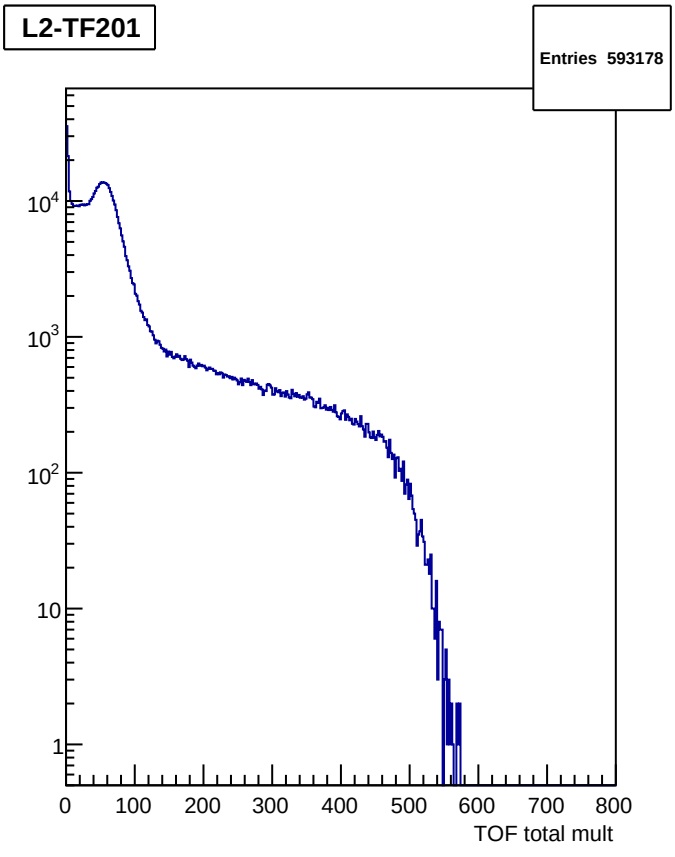

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

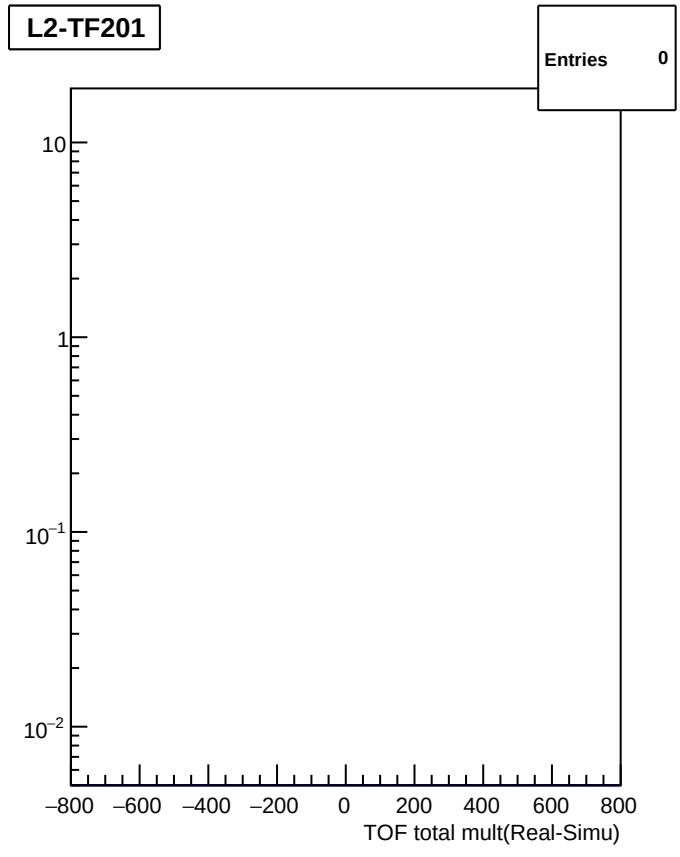

MIX-TF101
Entries 3559068
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

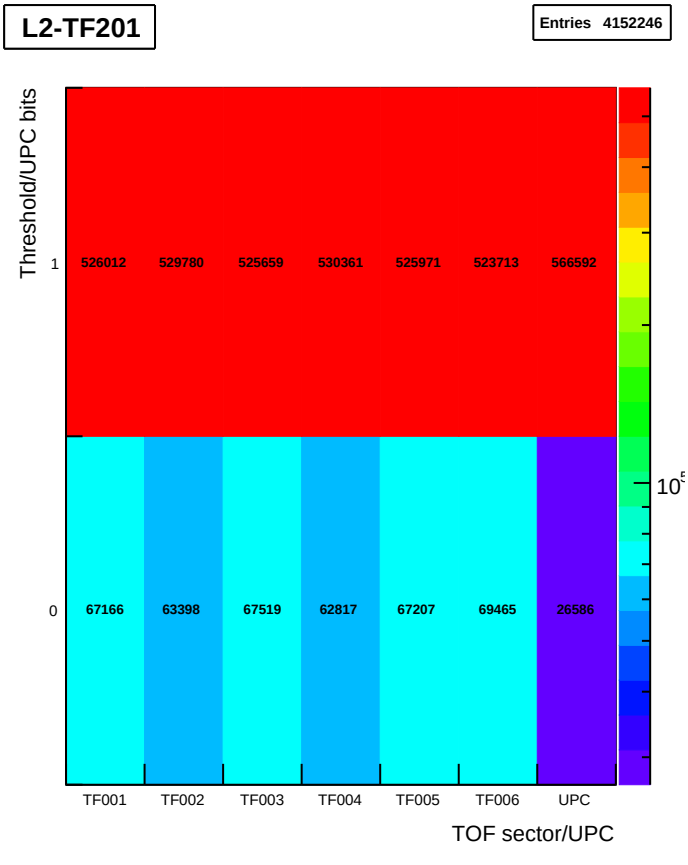

MIX-TF101
Entries 199146
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

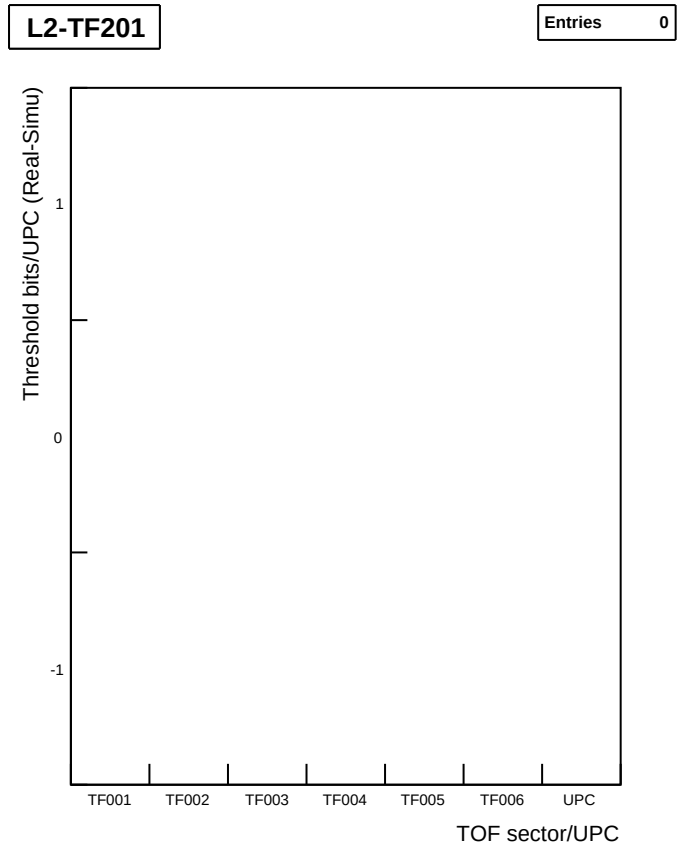

MIX-TF101
Entries 3559068
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

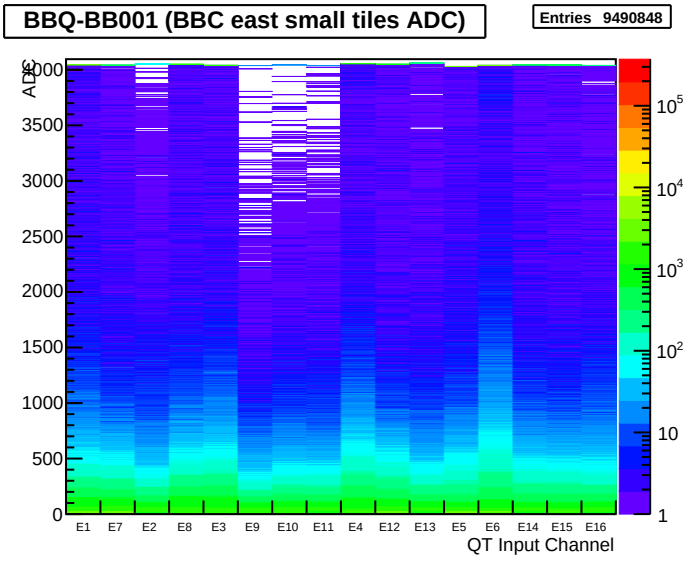

MIX-TF101
Entries 438024
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

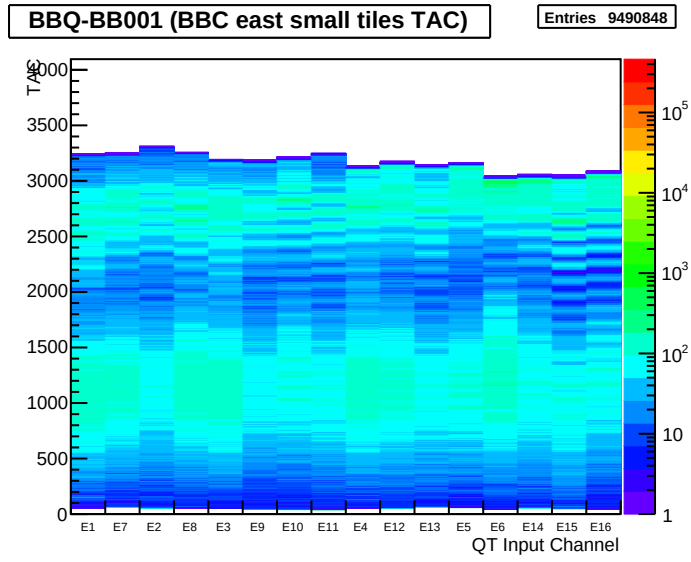

L2-TF201
Entries 593178
TOF total mult

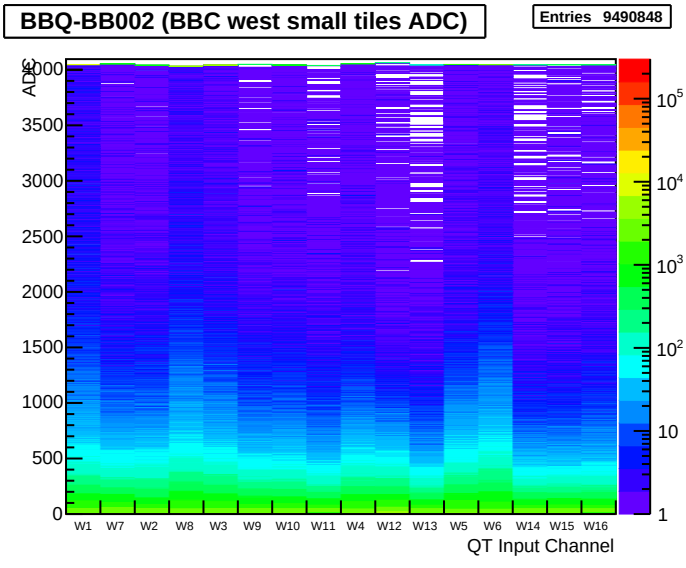

L2-TF201
Entries 0
TOF total mult(Real-Simu)

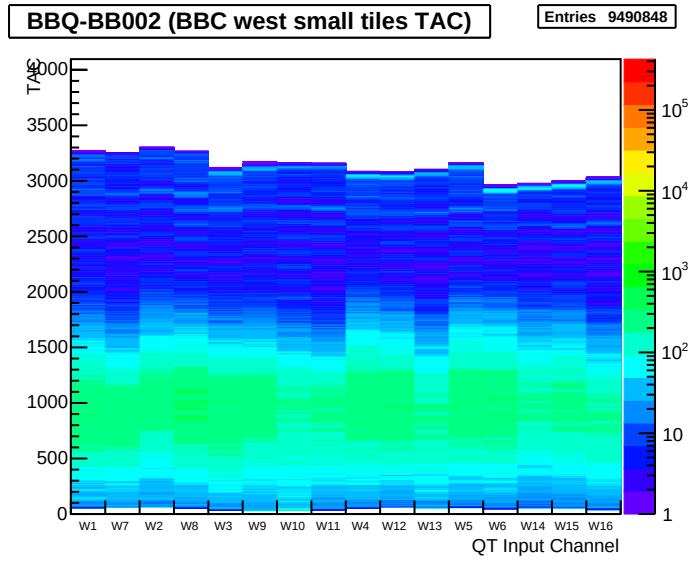

L2-TF201
Entries 4152246
Threshold/UPC bits
526012
529780
525659
530361
525971
523713
566592
67166
63398
67519
62817
67207
69465
26586
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

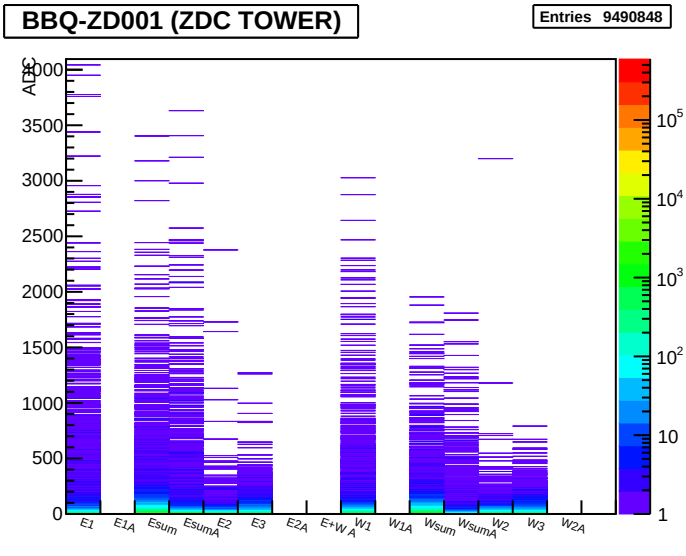

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

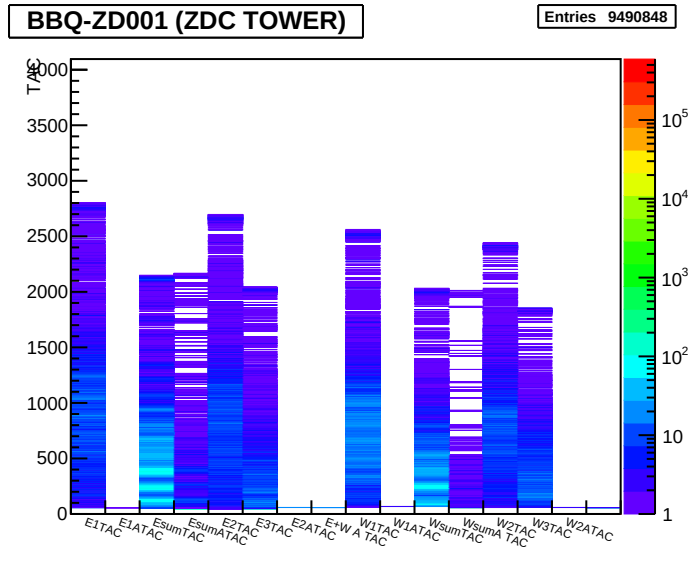

BBQ-BB001 (BBC east small tiles ADC)
Entries 9490848
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

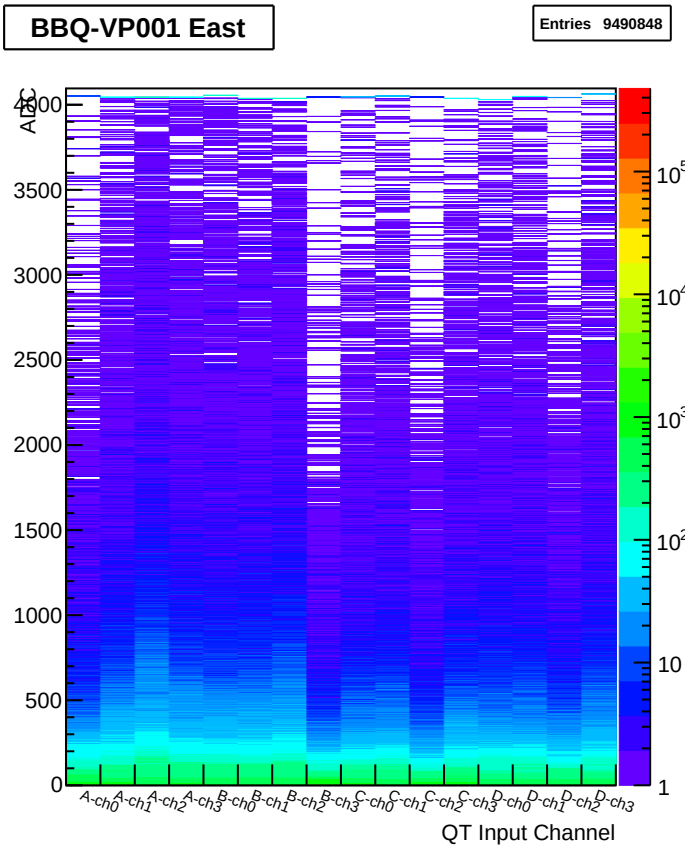

BBQ-BB001 (BBC east small tiles TAC)
Entries 9490848
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

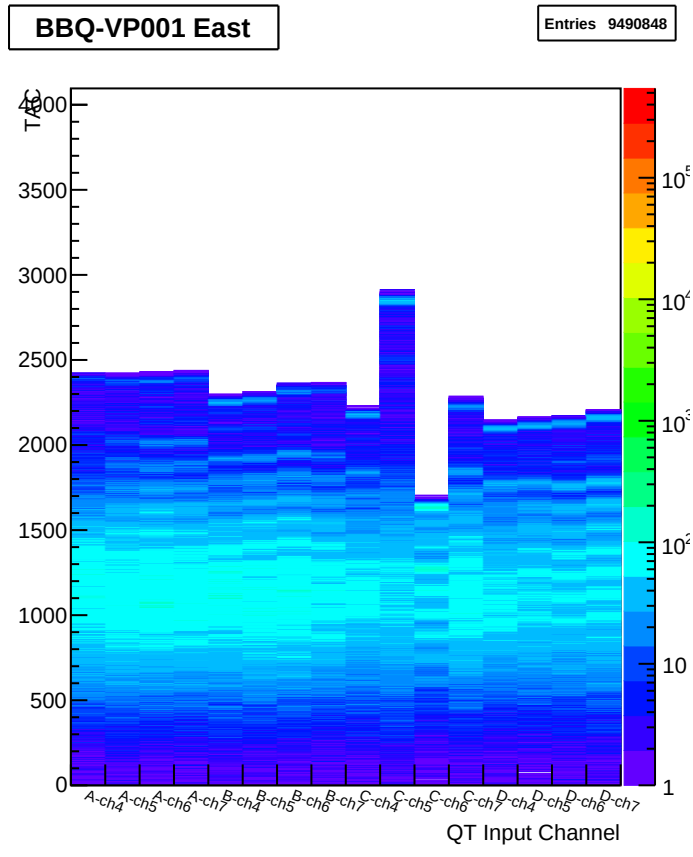

BBQ-BB002 (BBC west small tiles ADC)
Entries 9490848
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

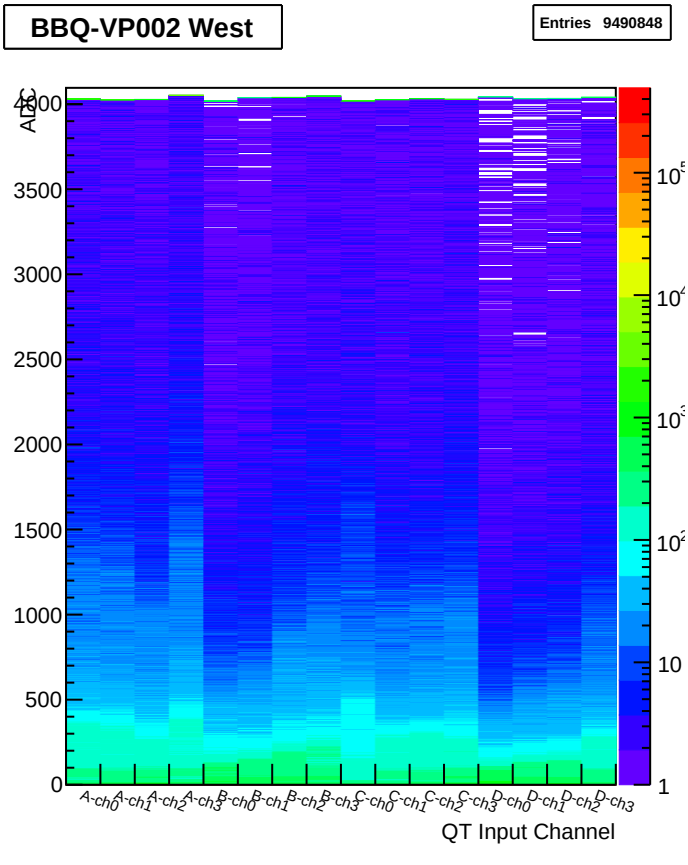

BBQ-BB002 (BBC west small tiles TAC)
Entries 9490848
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

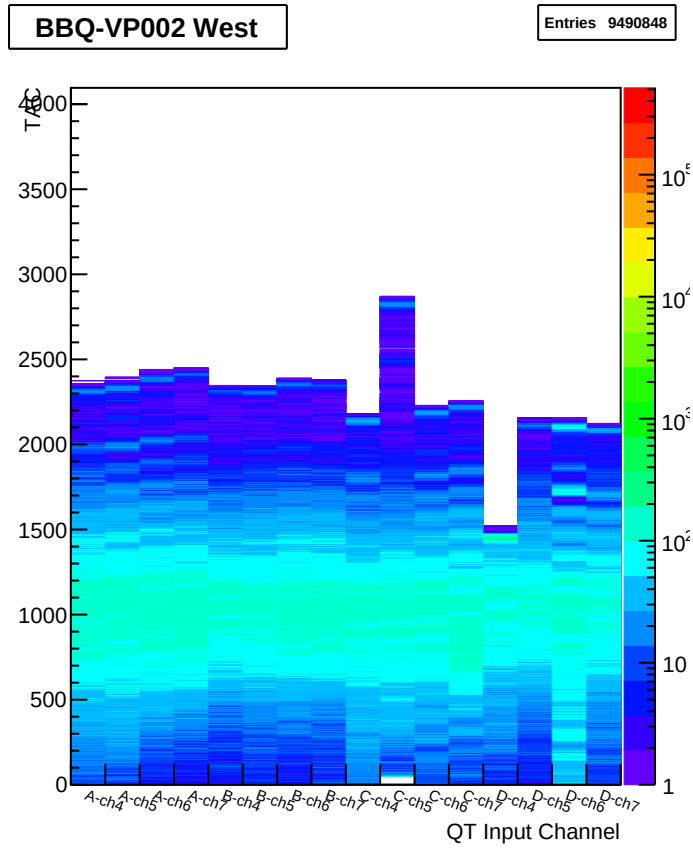

BBQ-ZD001 (ZDC TOWER)
Entries 9490848
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

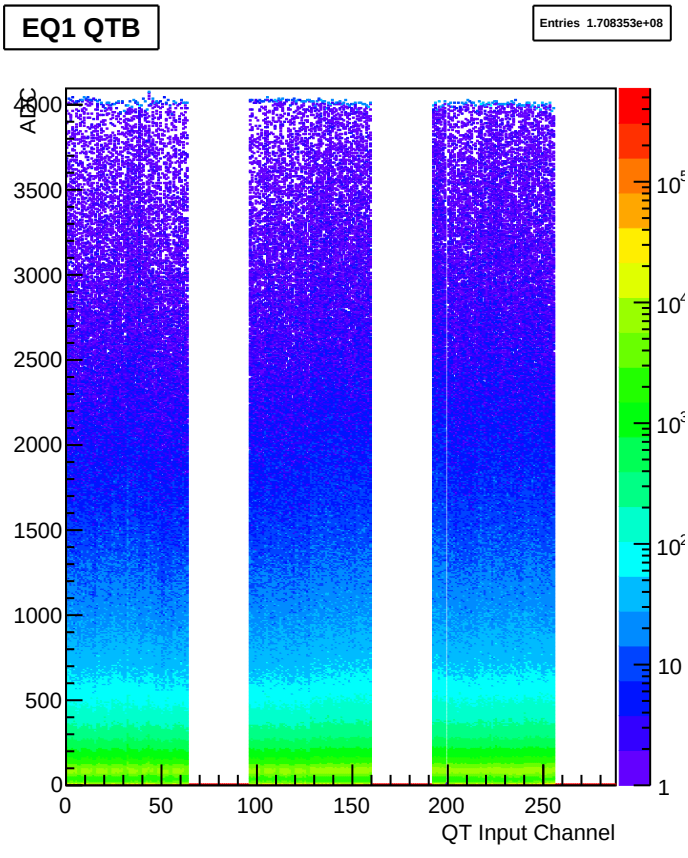

BBQ-ZD001 (ZDC TOWER)
Entries 9490848
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

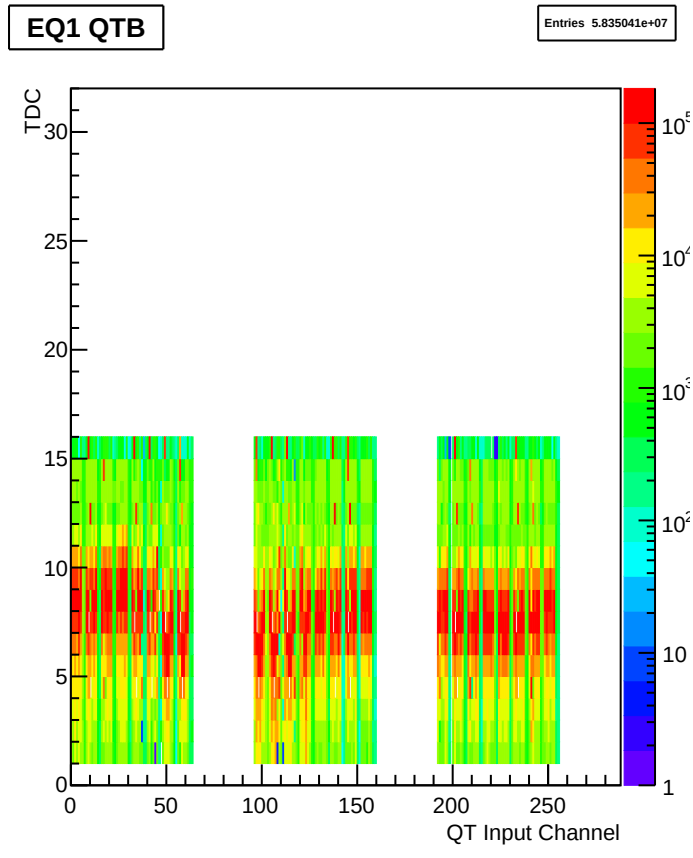

BBQ-VP001 East
Entries 9490848
ADC
QT Input Channel

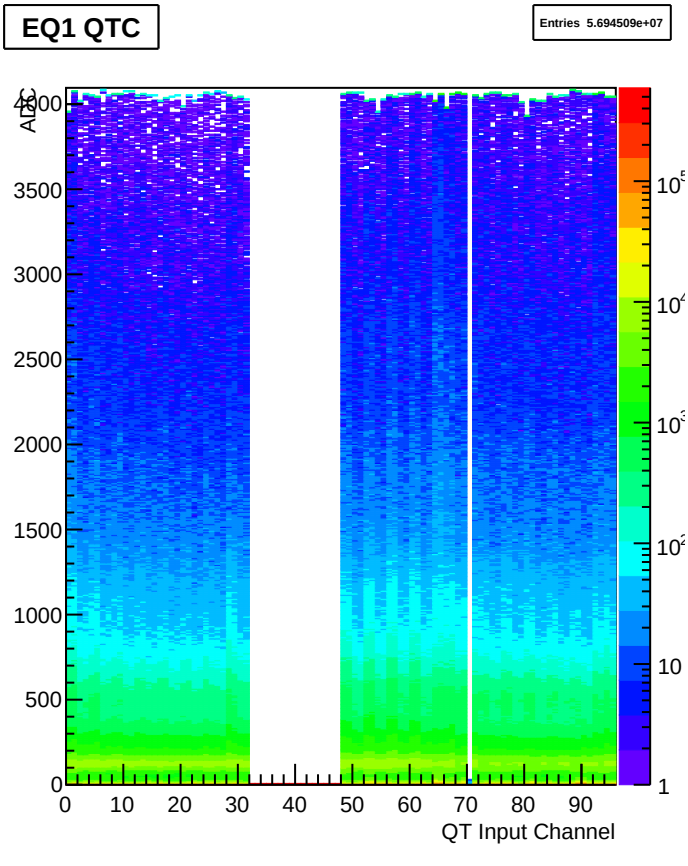

BBQ-VP001 East
Entries 9490848
ADC
QT Input Channel

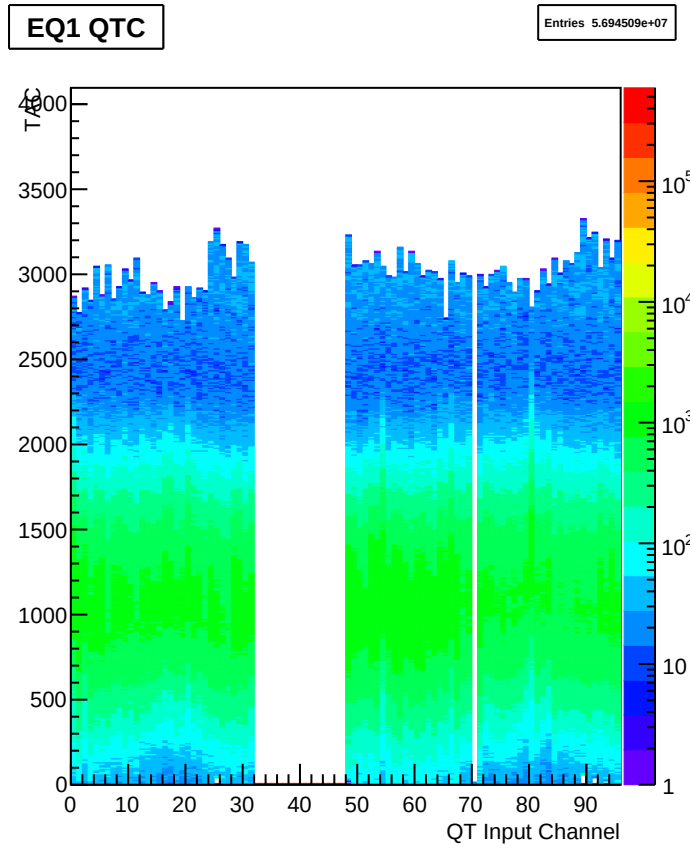

BBQ-VP002 West
Entries 9490848
ADC
QT Input Channel

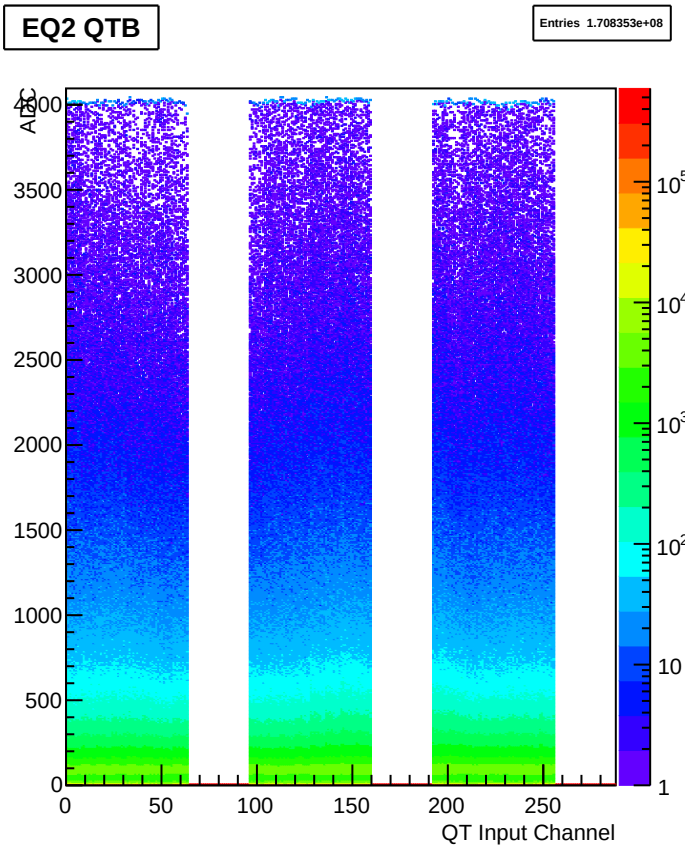

BBQ-VP002 West
Entries 9490848
ADC
QT Input Channel

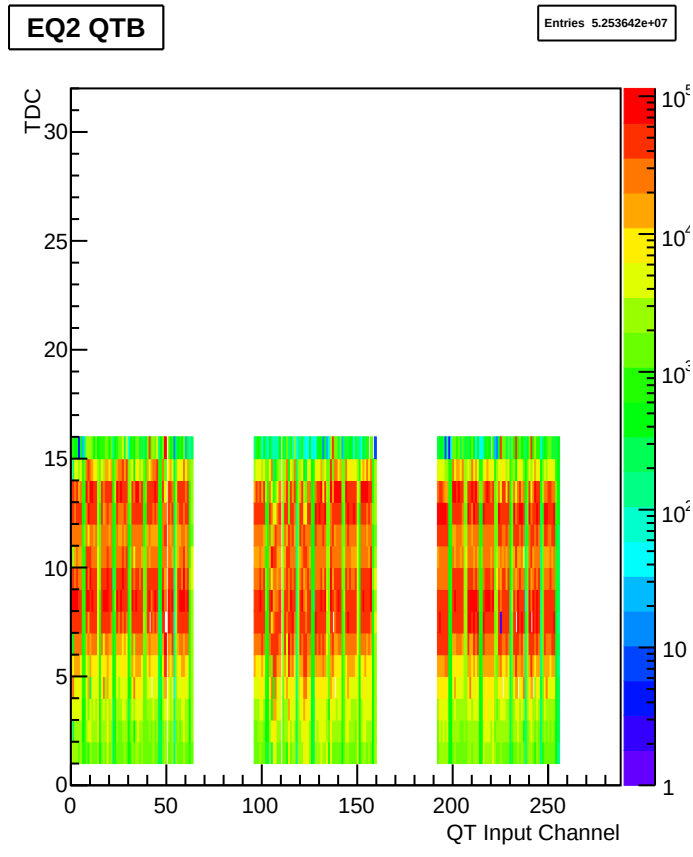

EQ1 QTB
Entries 1.708353e+08
ADC
QT Input Channel

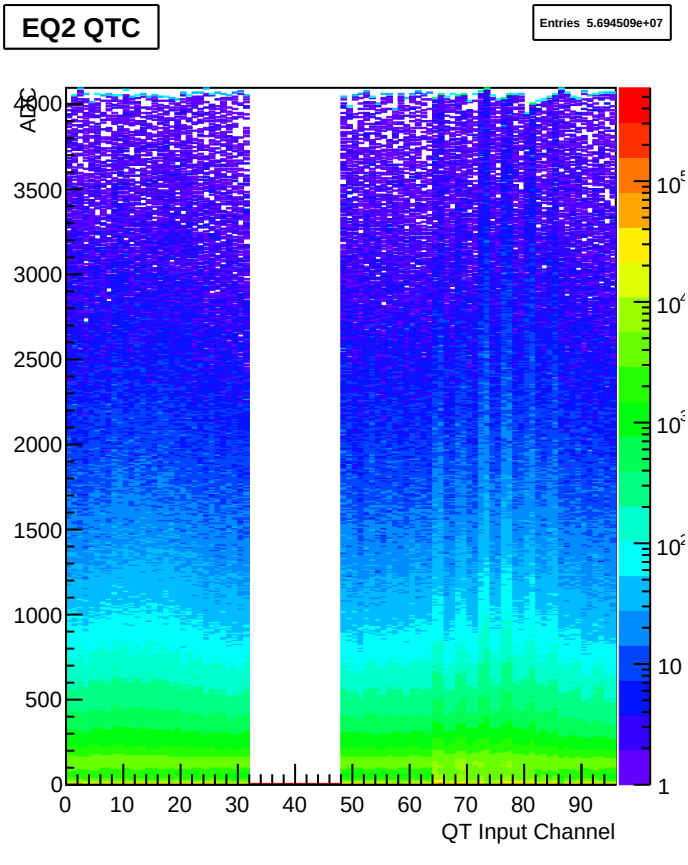

EQ1 QTB
Entries 5.835041e+07
TDC
QT Input Channel

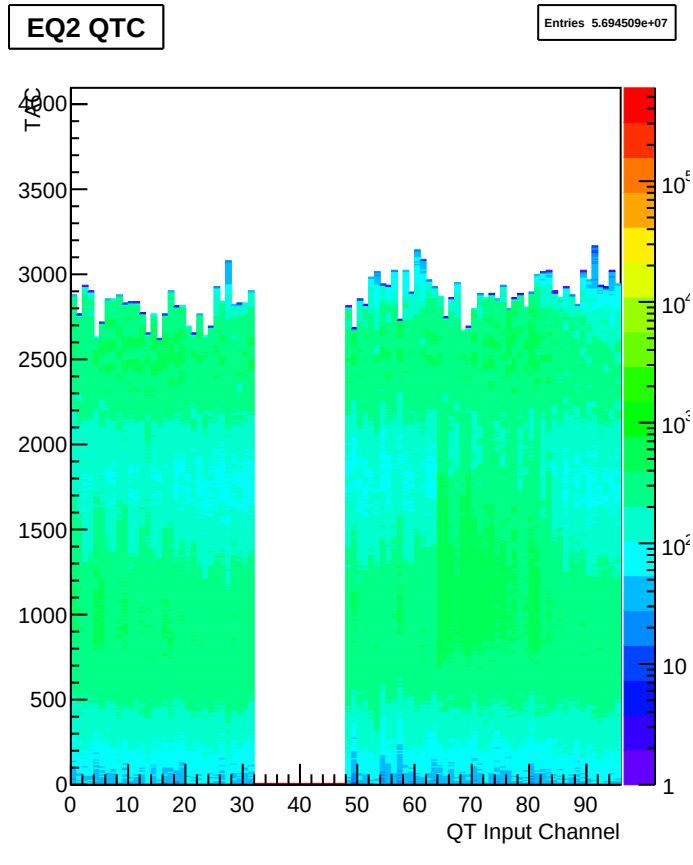

EQ1 QTC
Entries 5.694509e+07
ADC
QT Input Channel

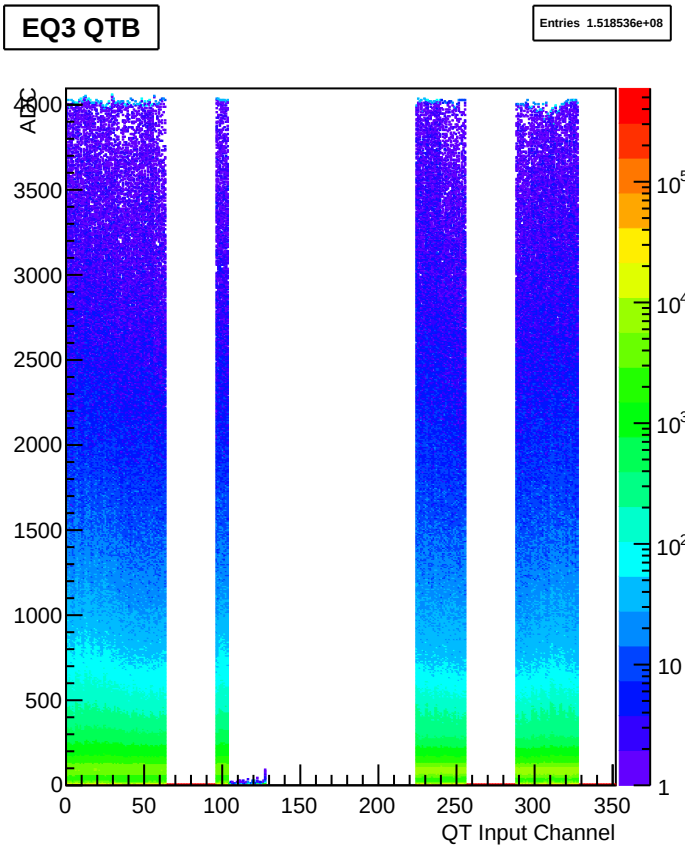

EQ1 QTC
Entries 5.694509e+07
TADC
QT Input Channel

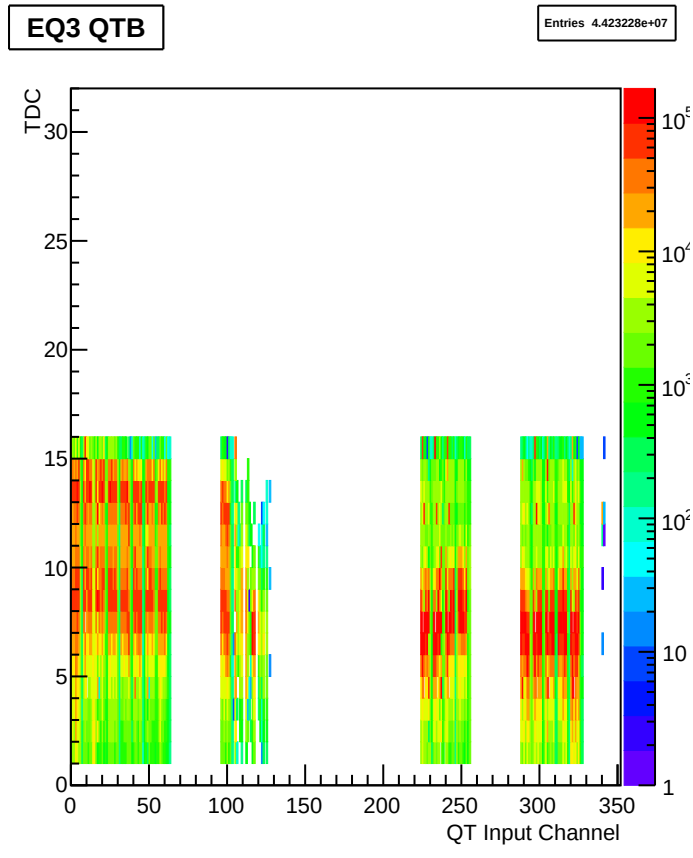

EQ2 QTB
Entries 1.708353e+08
ADC
QT Input Channel

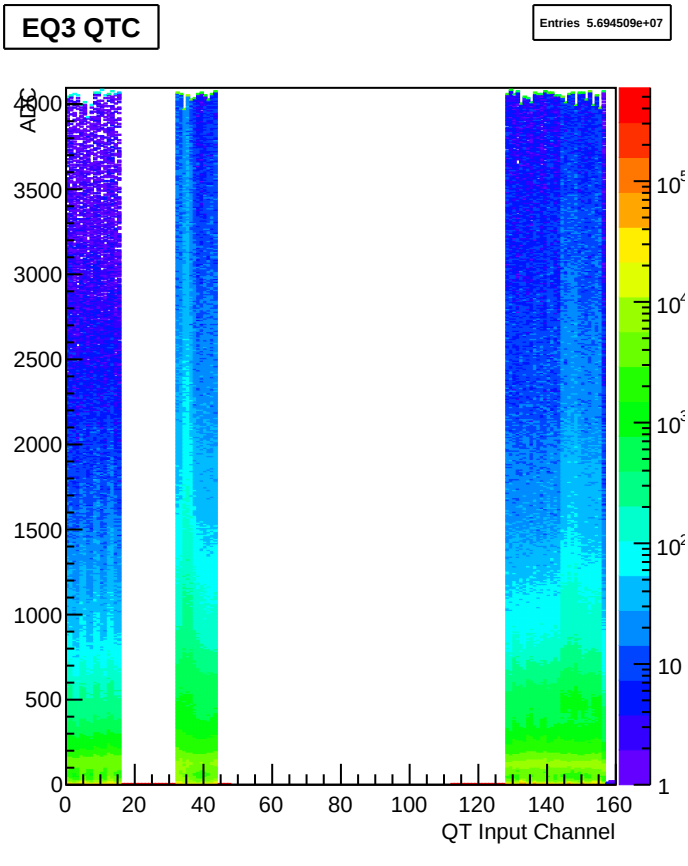

EQ2 QTB
Entries 5.253642e+07
TDC
QT Input Channel

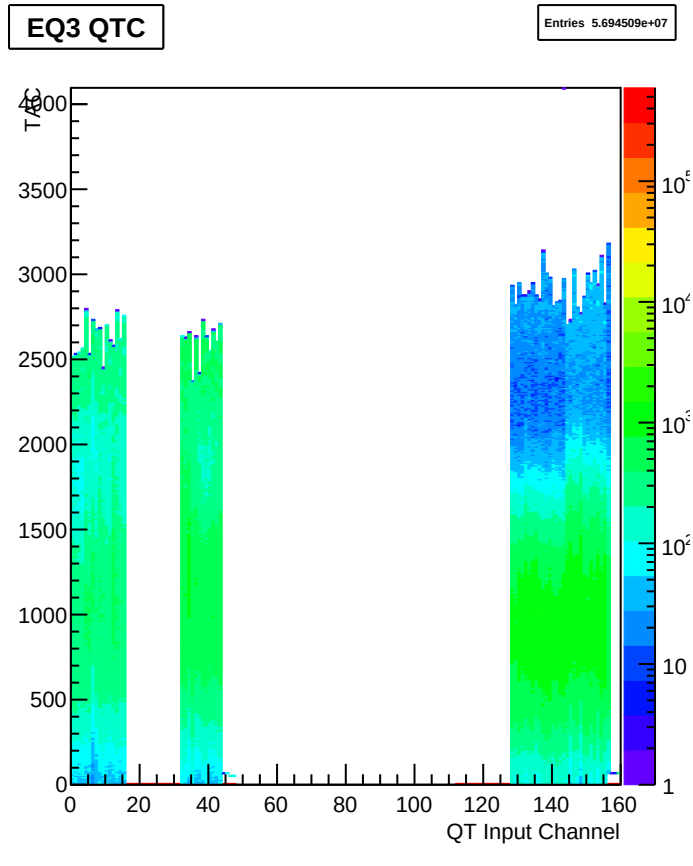

EQ2 QTC
Entries 5.694509e+07
ADC
QT Input Channel

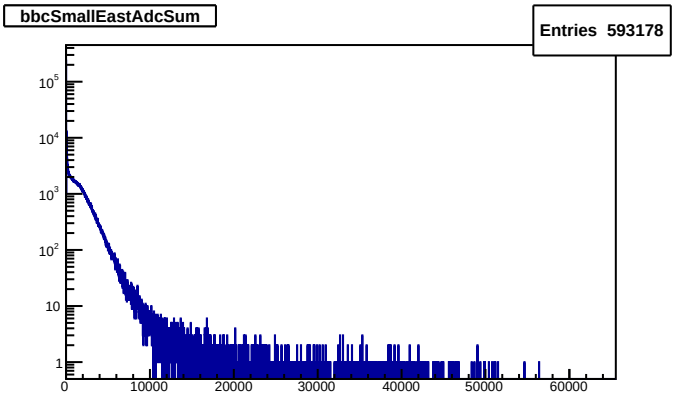

EQ2 QTC
Entries 5.694509e+07
TADC
QT Input Channel

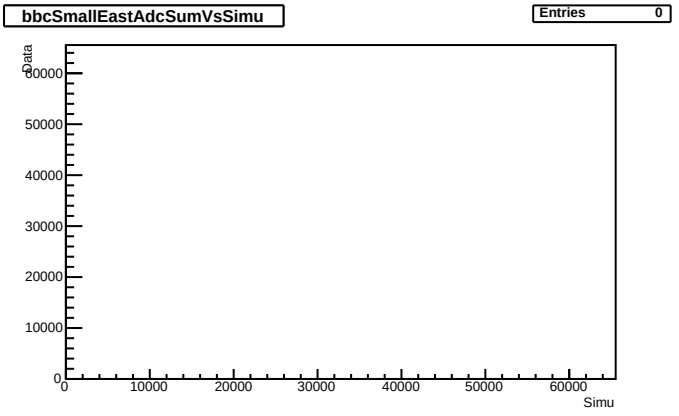

EQ3 QTB
Entries 1.518536e+08
ADC
QT Input Channel

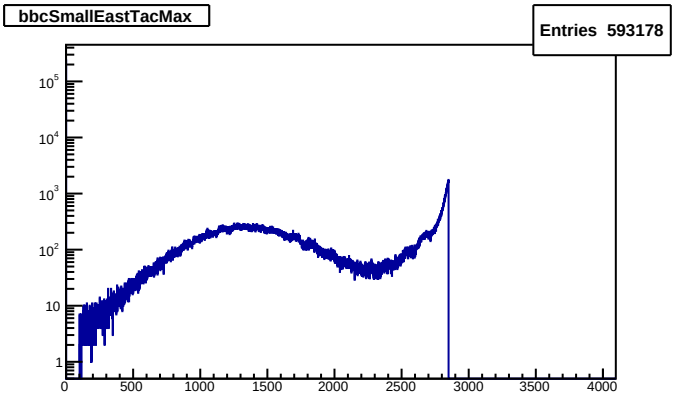

EQ3 QTB
Entries 4.423228e+07
TDC
QT Input Channel

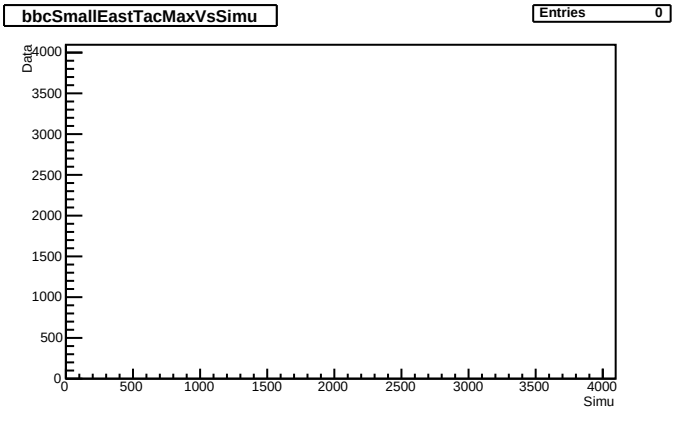

EQ3 QTC
Entries 5.694509e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.694509e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 593178


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 593178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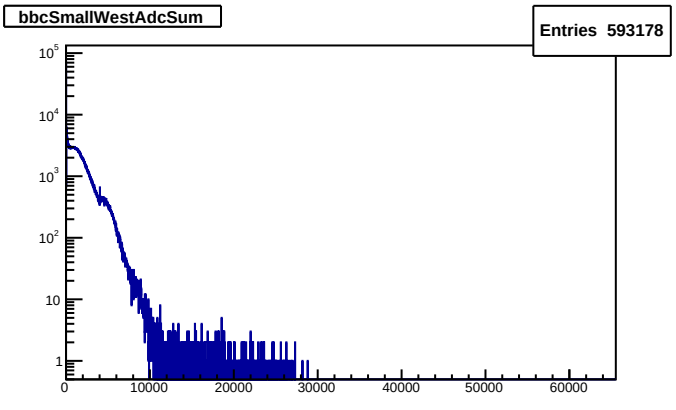
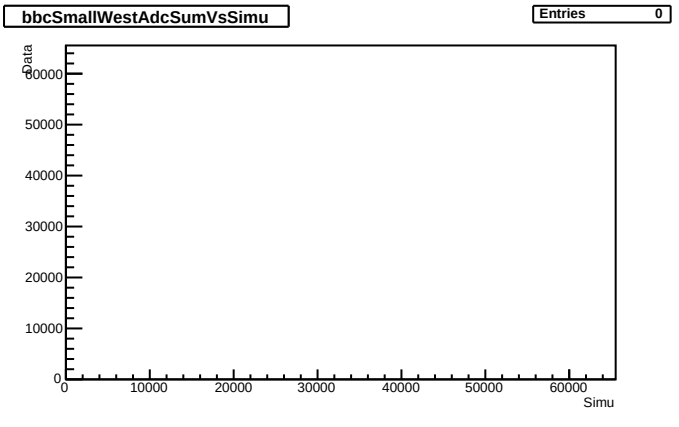
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 593178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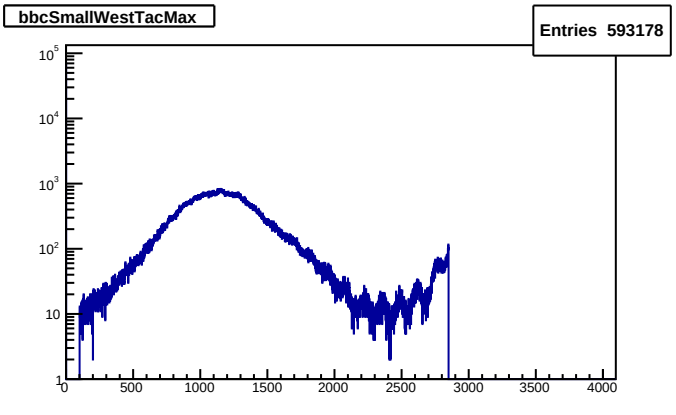
Entries 0
Data
Simu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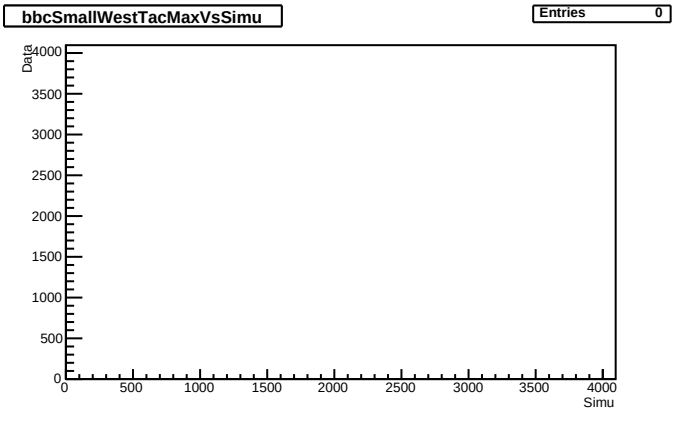
Entries 593178


bbcSmallWestTacMaxVsSimu
Entries 0
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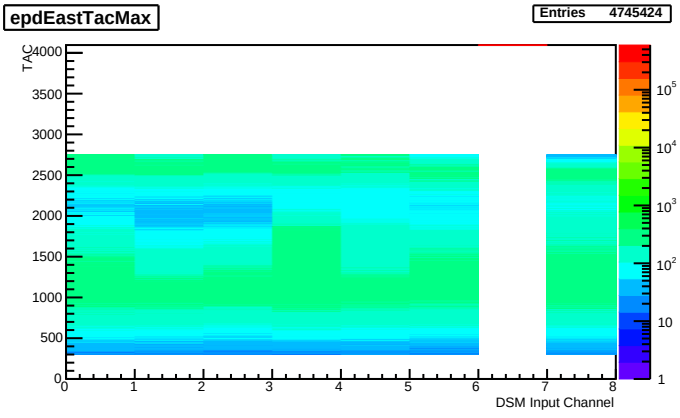
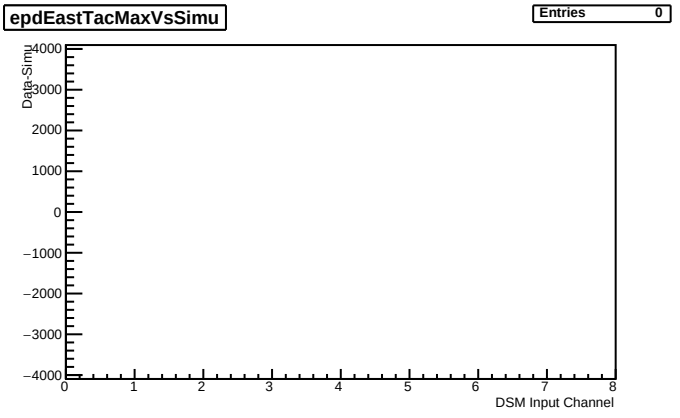
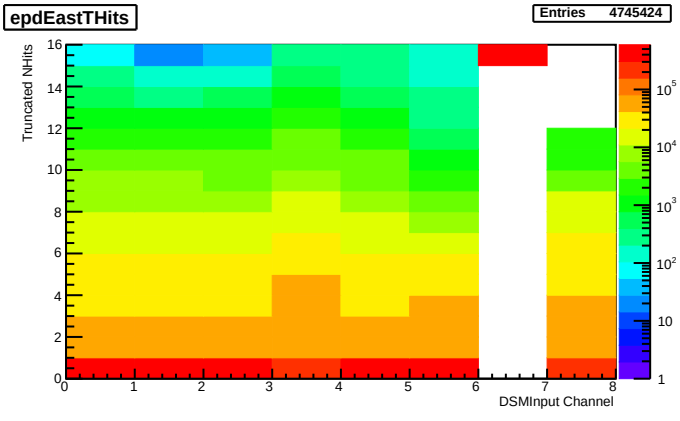
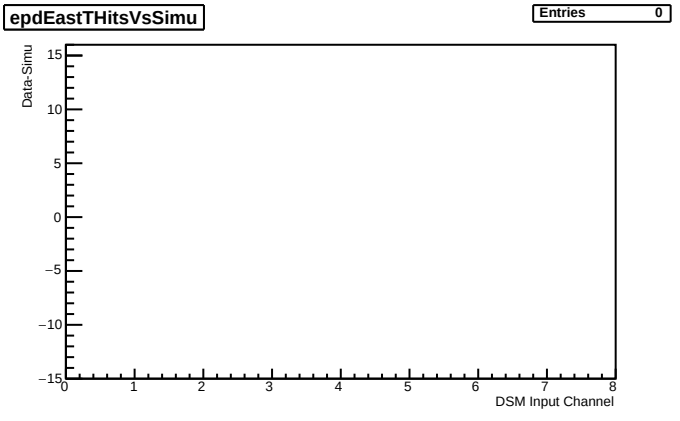
Simu


epdEastTacMax
Entries 4745424
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4745424
Truncated NHits
DSMInput Channel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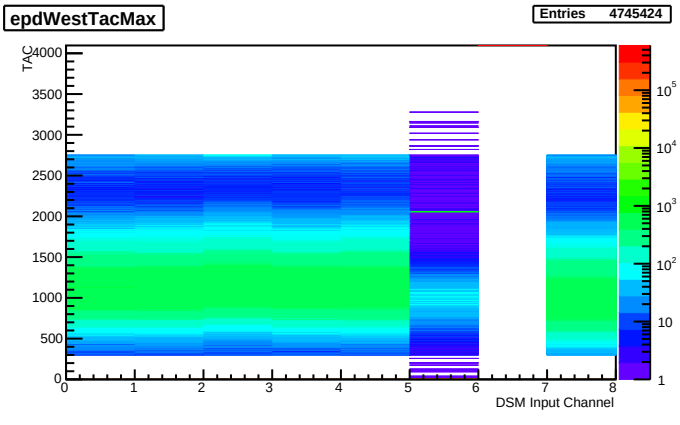
Data-Simu
DSM Input Channel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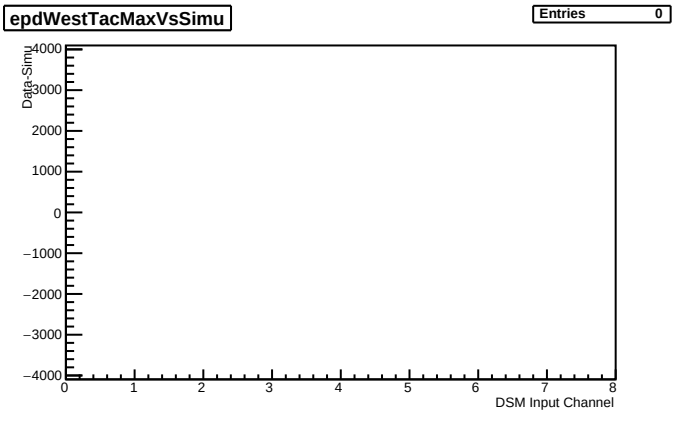
Entries 4745424
TAC
DSM Input Channel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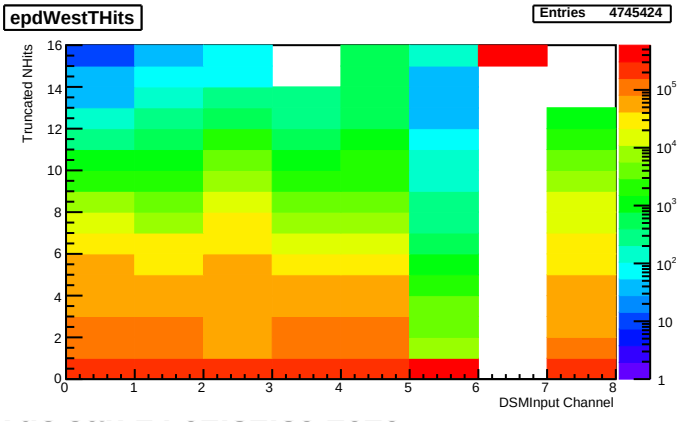
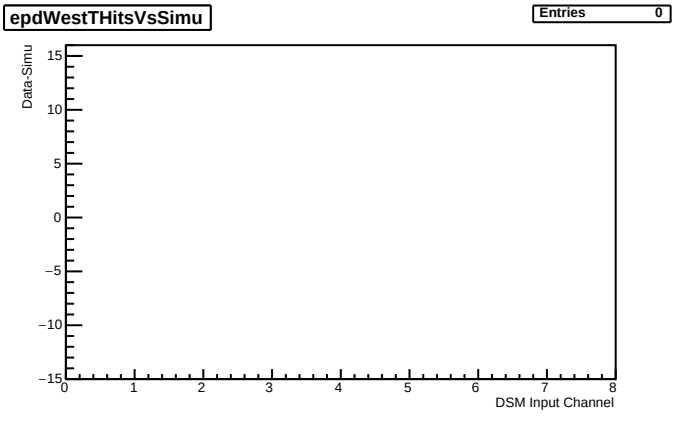
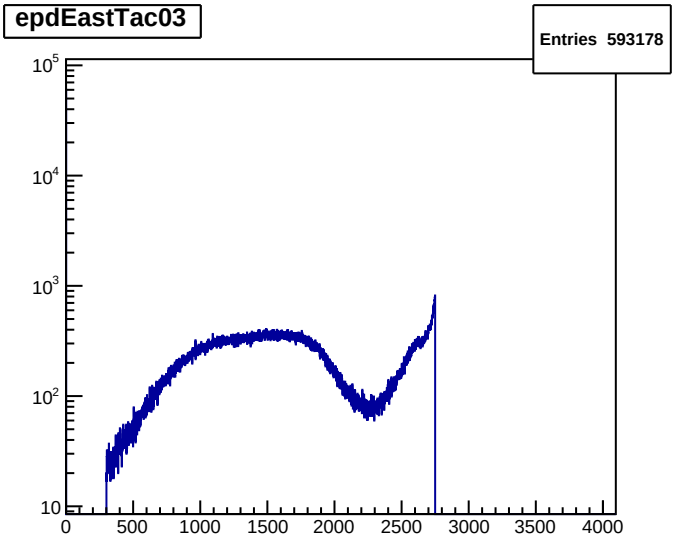
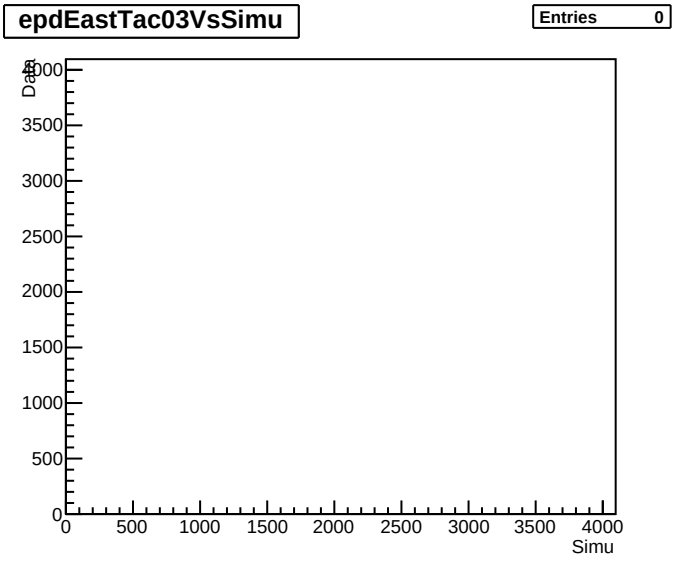
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4745424
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 593178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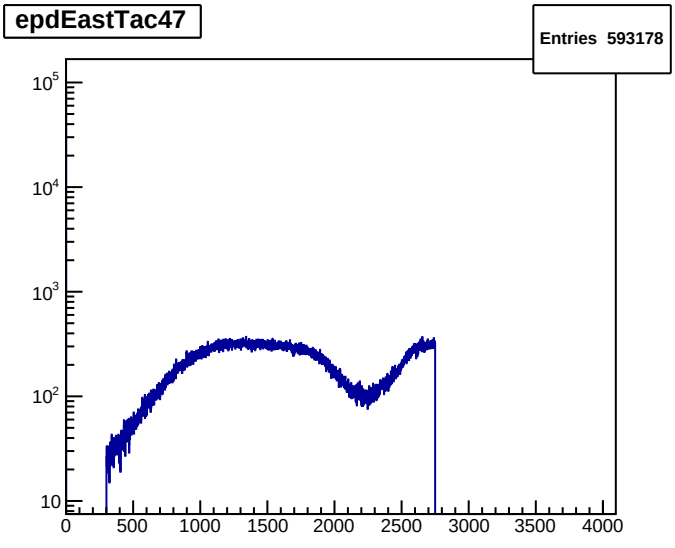
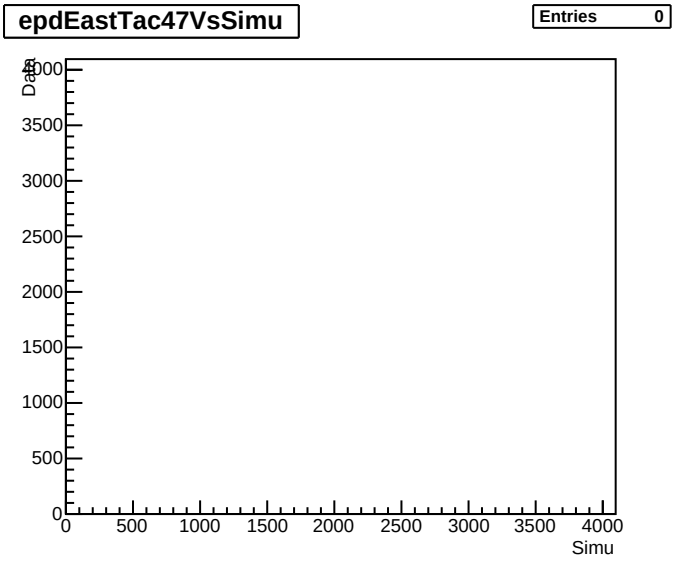
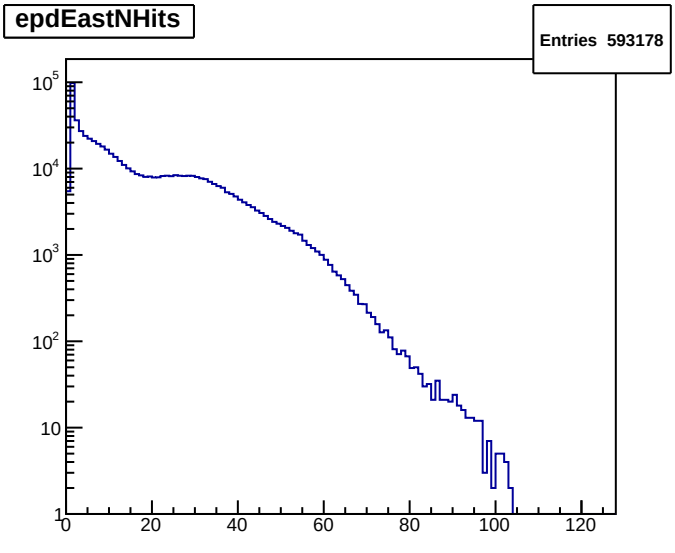
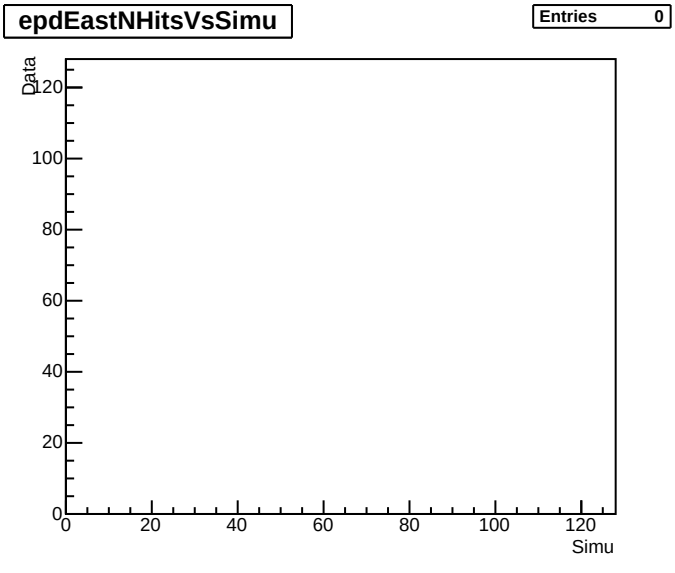
Entries 0
Data
Simu


epdEastTac47
Entries 593178


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 593178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Entries 0
Data
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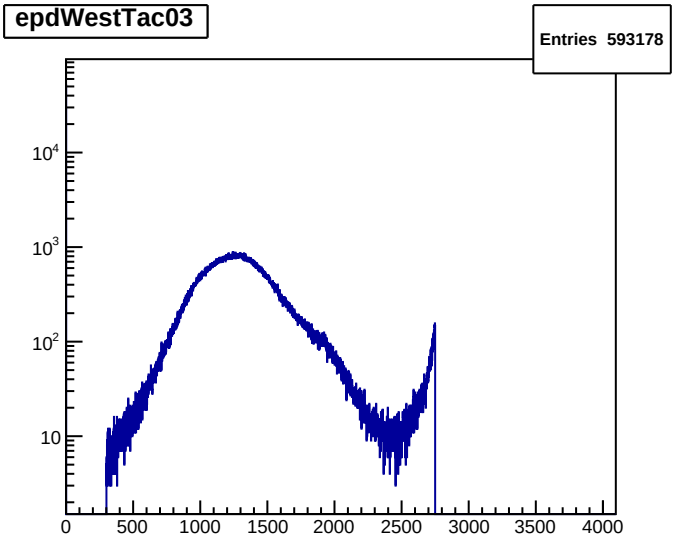
epdWestTac03
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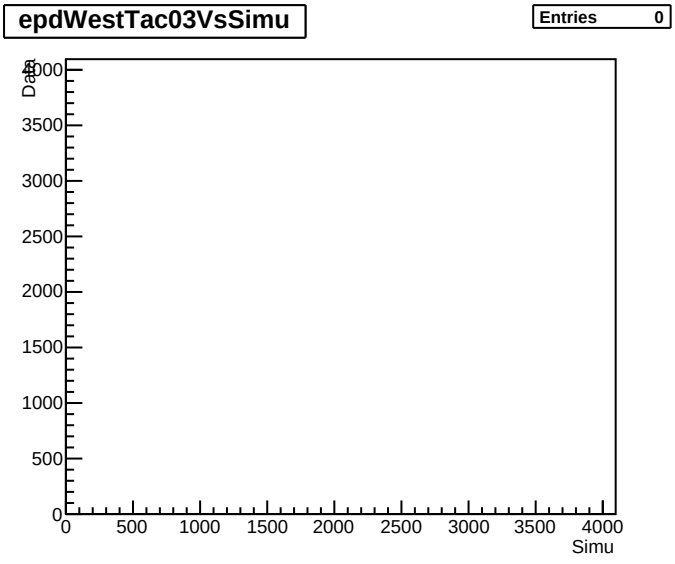
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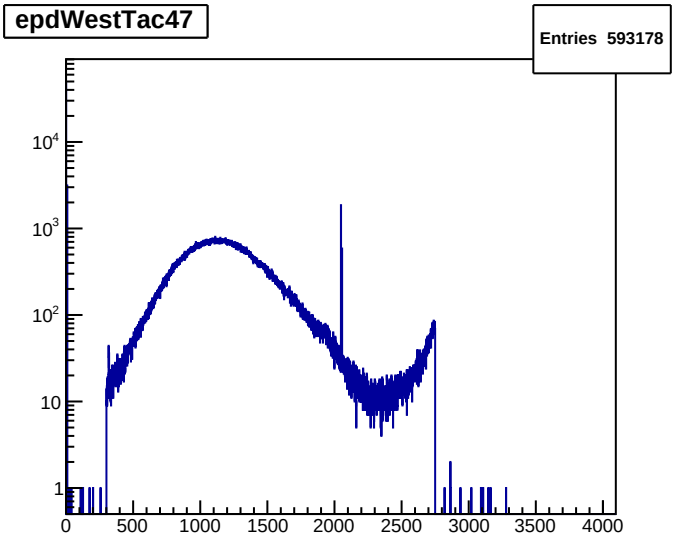
Entries 0
Data
Simu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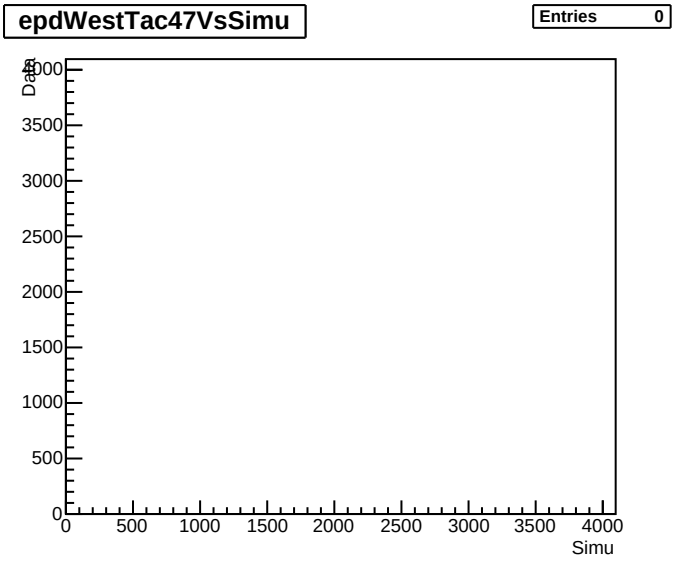
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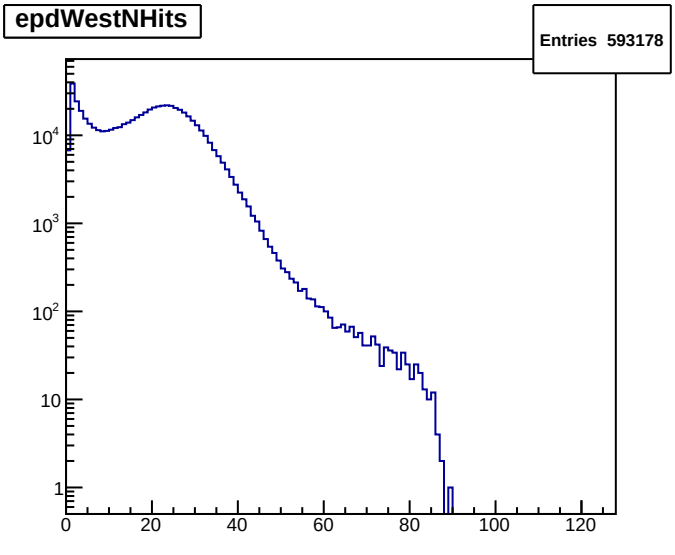
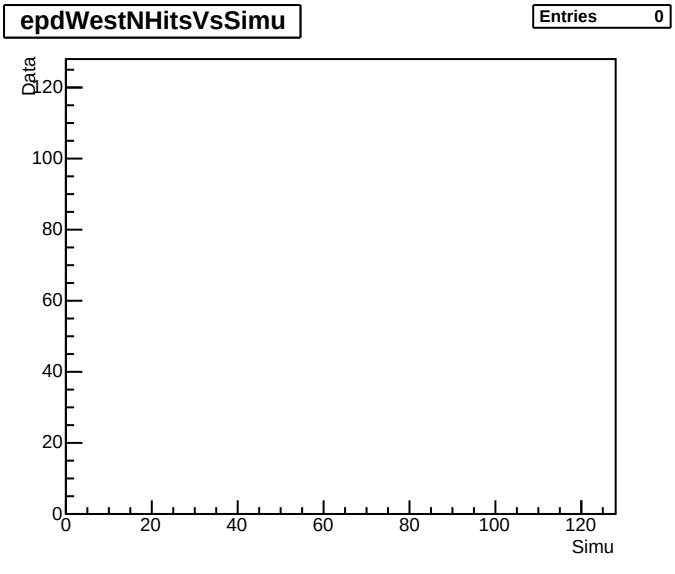
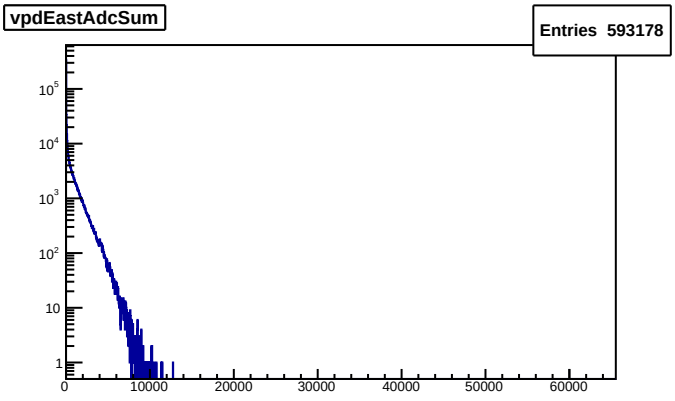
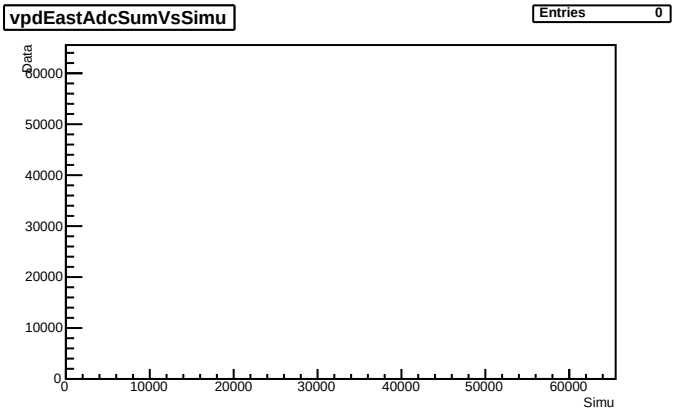
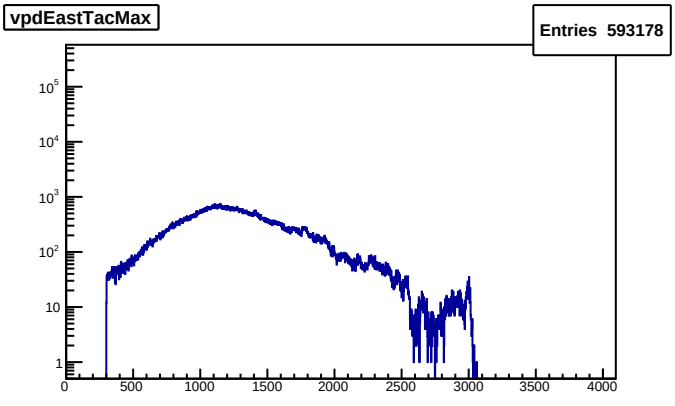
Entries 0
Data
Simu


epdWestNHits
Entries 593178


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 593178


vpdEastAdcSumVsSimu
Entries 0
Data
Simu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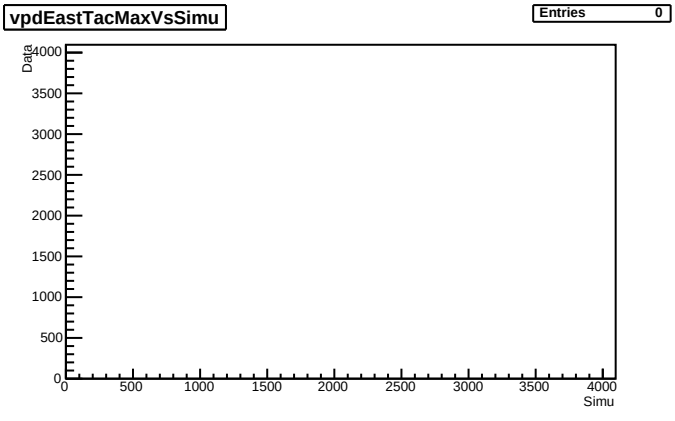
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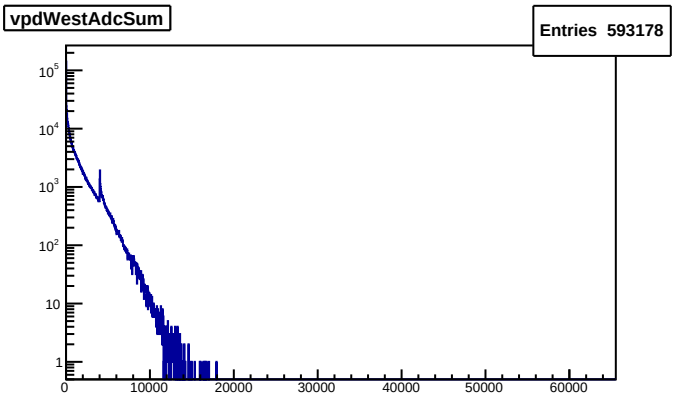
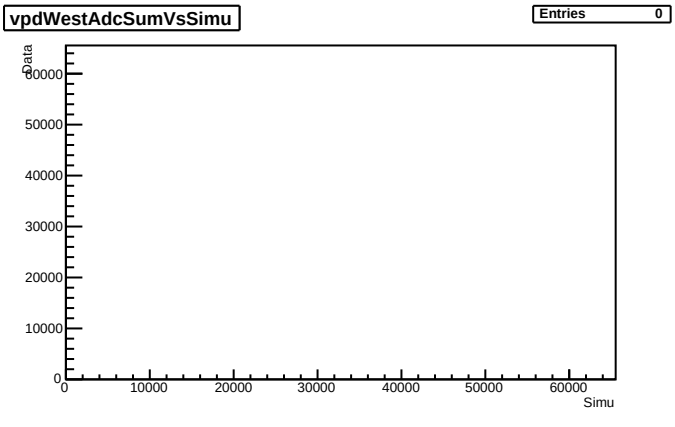
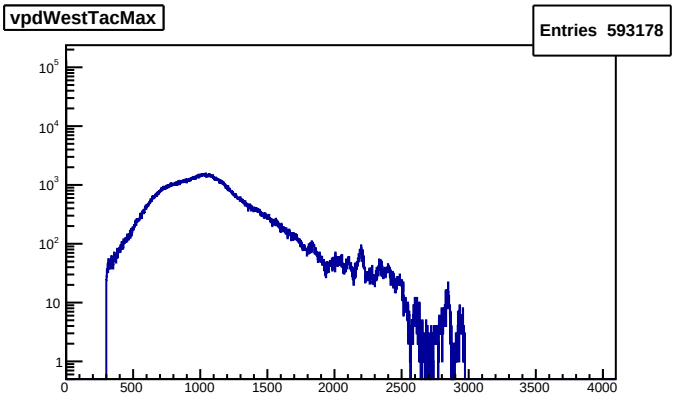
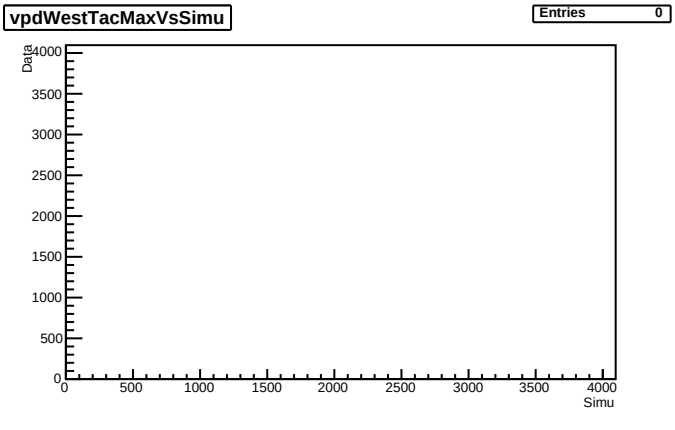
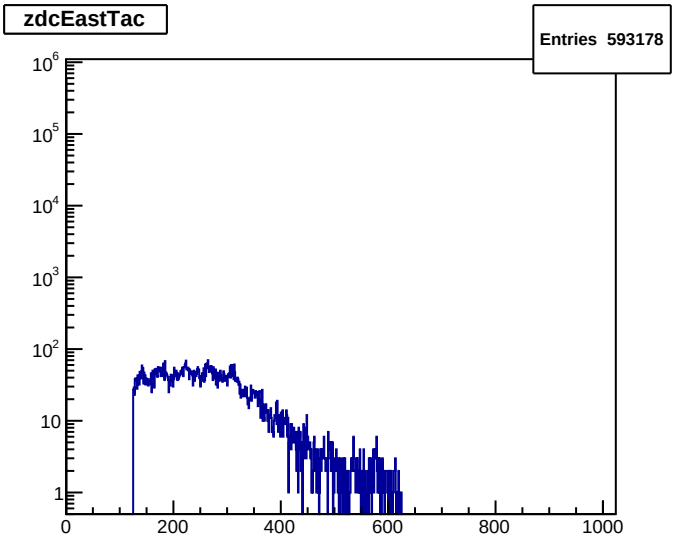
Entries 0
Data
Simu

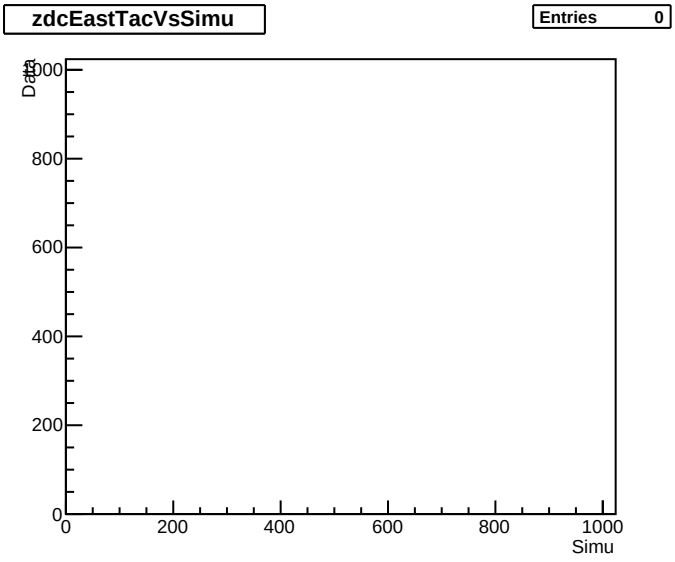

vpdWestAdcSum
Entries 593178

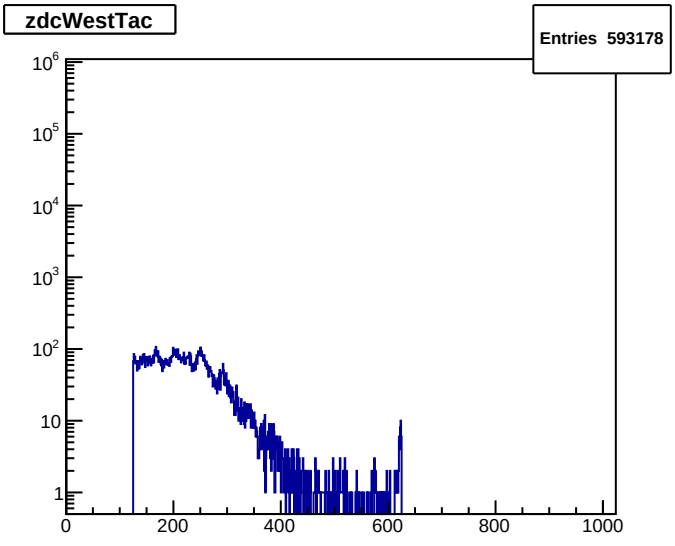

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

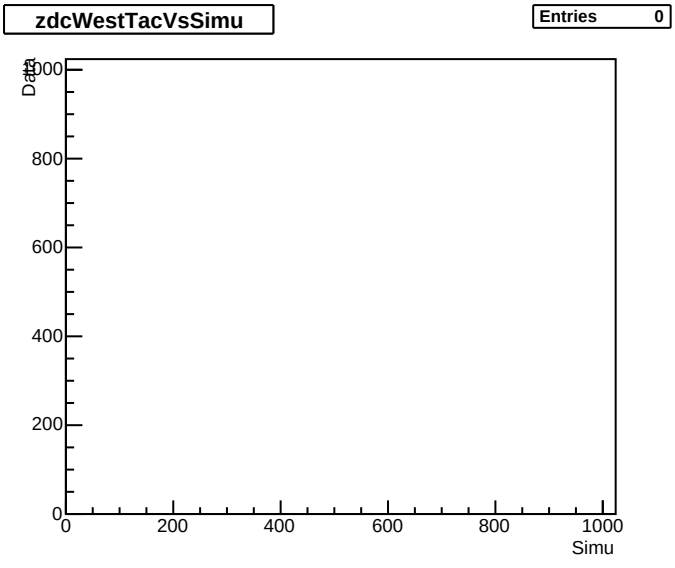

vpdWestTacMax
Entries 593178

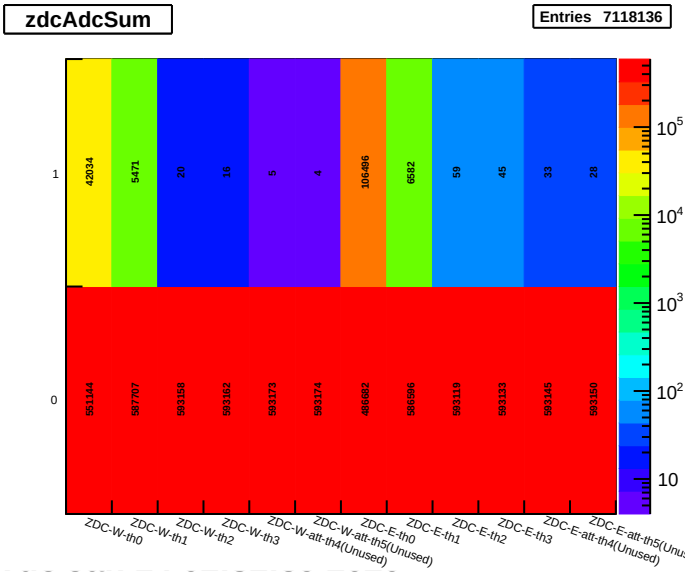

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

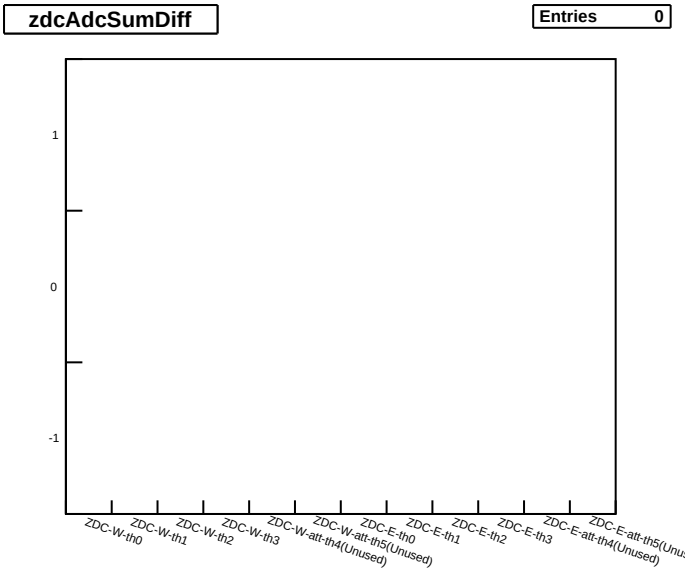

zdcEastTac
Entries 593178

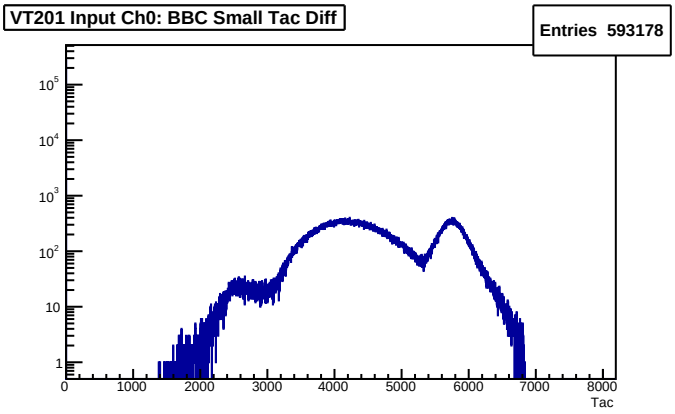

zdcEastTacVsSimu
Entries 0
Data
Simu

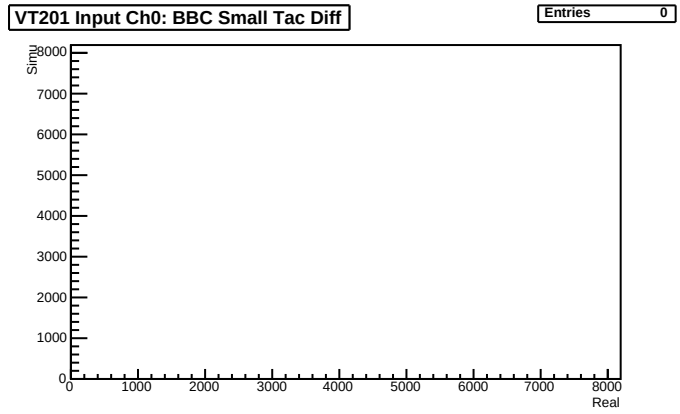

zdcWestTac
Entries 593178

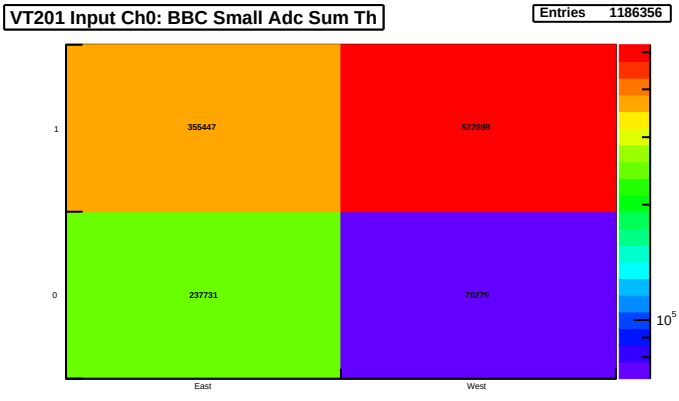

zdcWestTacVsSimu
Entries 0
Data
Simu

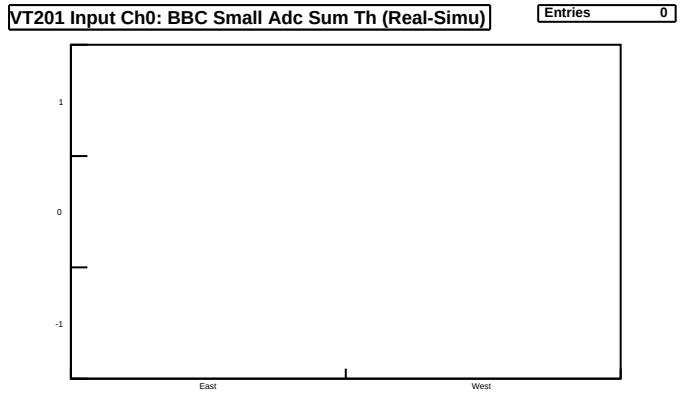

zdcAdcSum
Entries 7118136
42034
5471
20
16
5
4
106496
6582
59
45
33
28
551144
597707
593158
593162
593173
593174
486682
586596
593119
593133
593145
593150
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

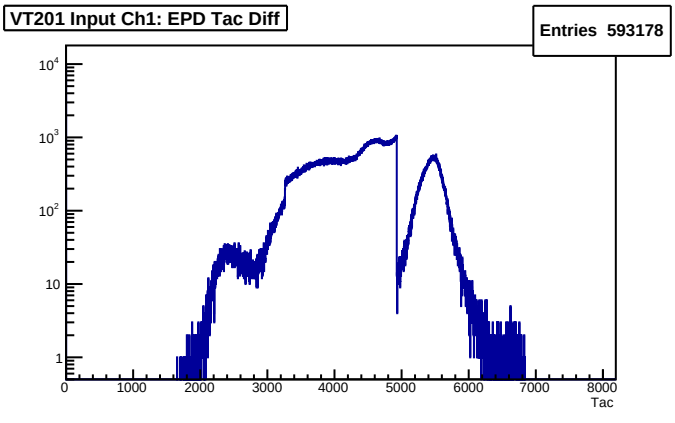

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

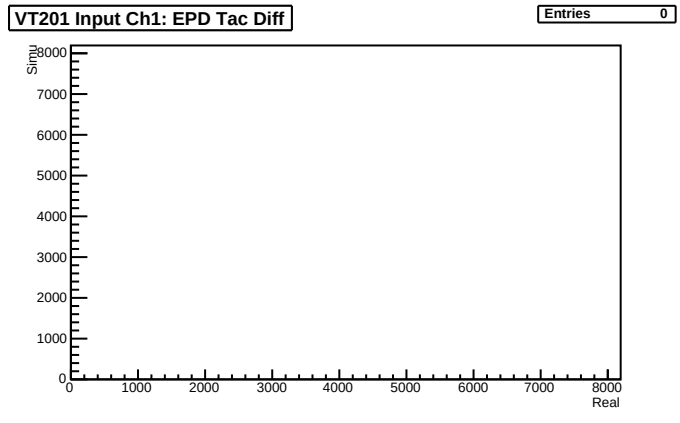

VT201 Input Ch0: BBC Small Tac Diff
Entries 593178
Tac

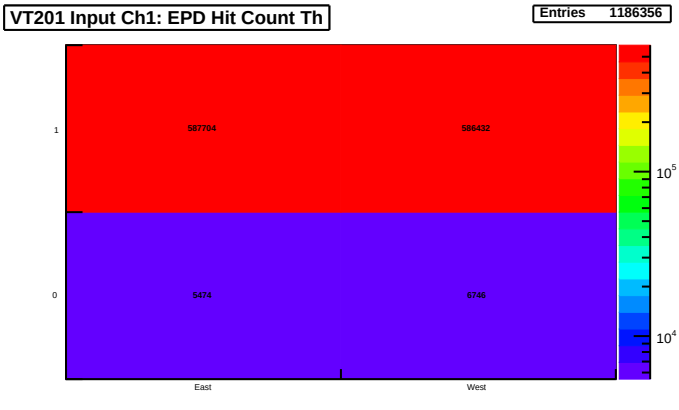

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

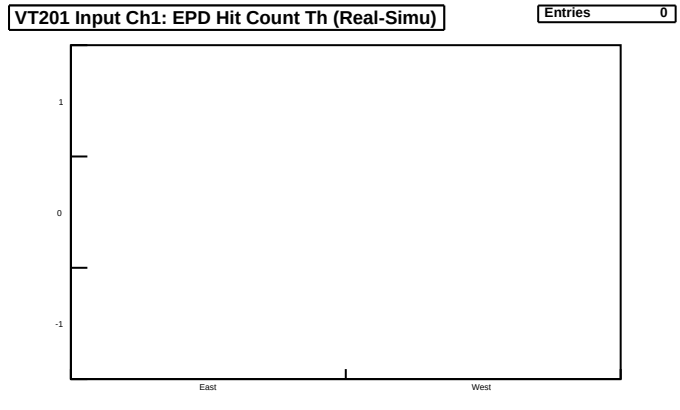

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1186356
355447
522899
237731
70279
East
West

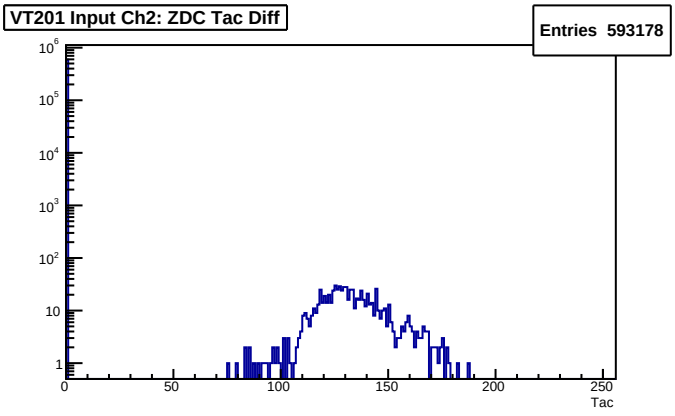

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

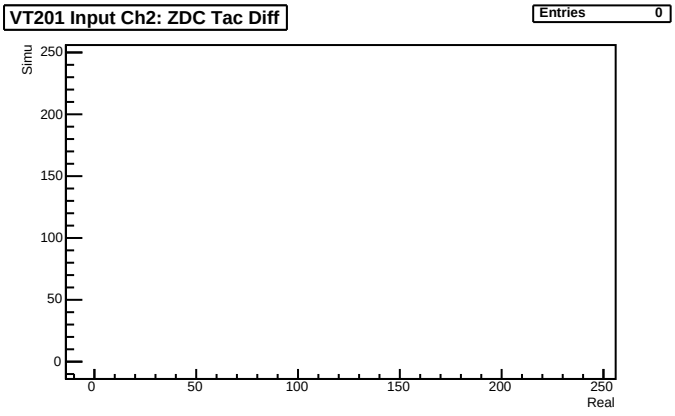

VT201 Input Ch1: EPD Tac Diff
Entries 593178
Tac

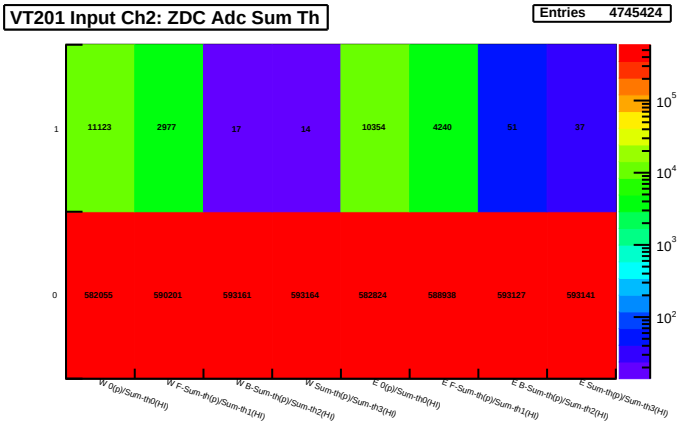

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

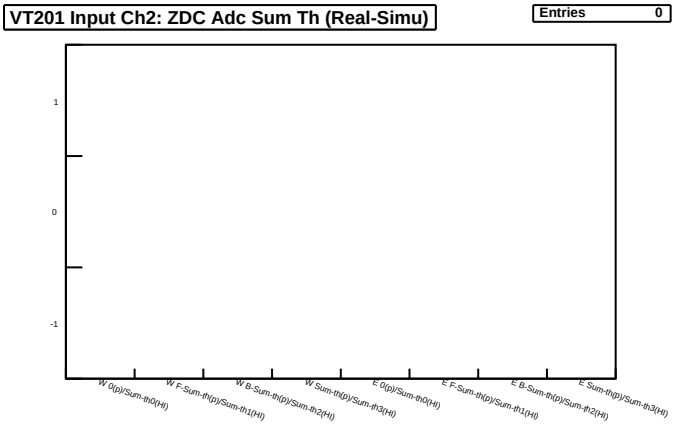

VT201 Input Ch1: EPD Hit Count Th
Entries 1186356
587704
586432
5474
6746
East
West

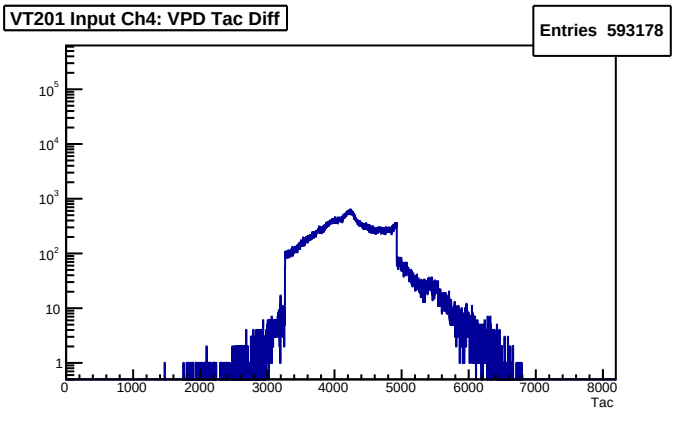

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

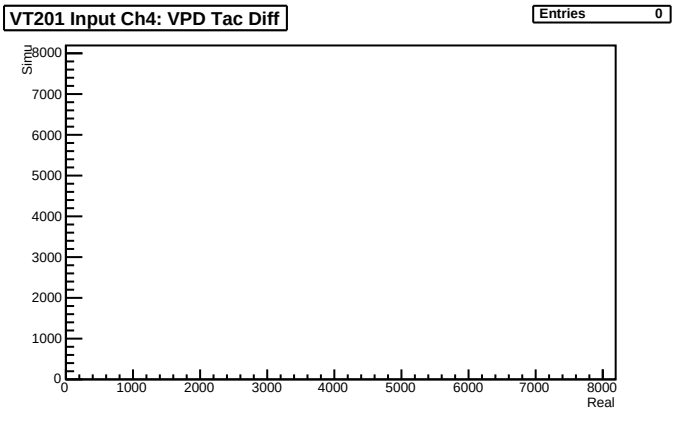

VT201 Input Ch2: ZDC Tac Diff
Entries 593178
Tac

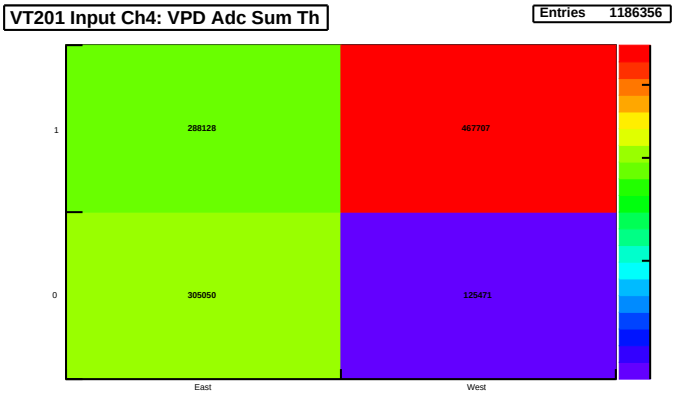

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

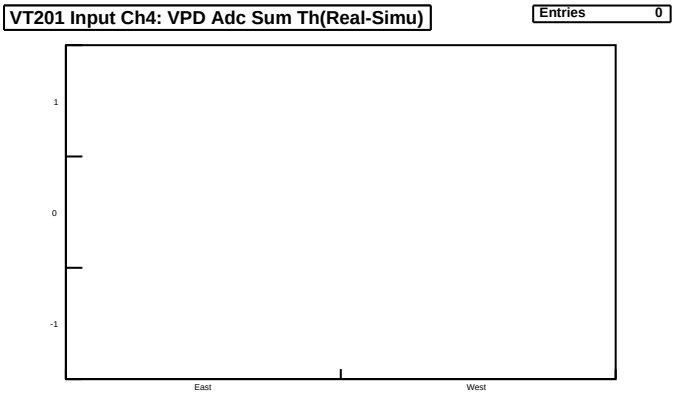

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4745424
11123
2977
17
14
10354
4240
51
37
582055
590201
593161
593164
582824
588938
593127
593141
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

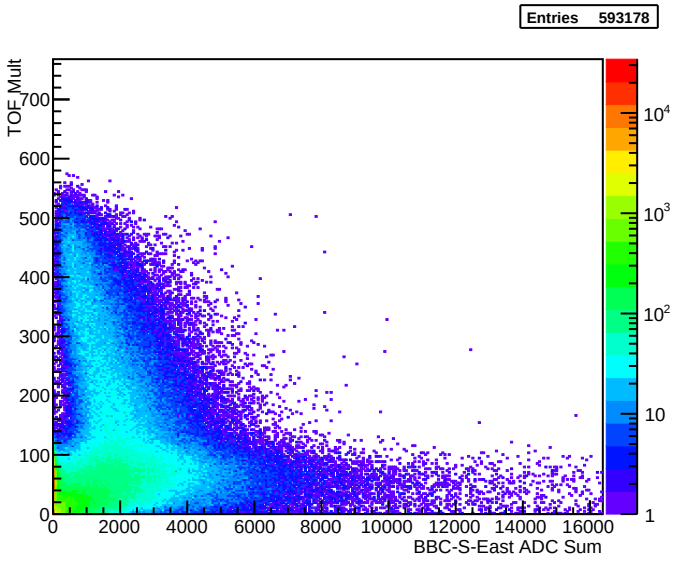

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

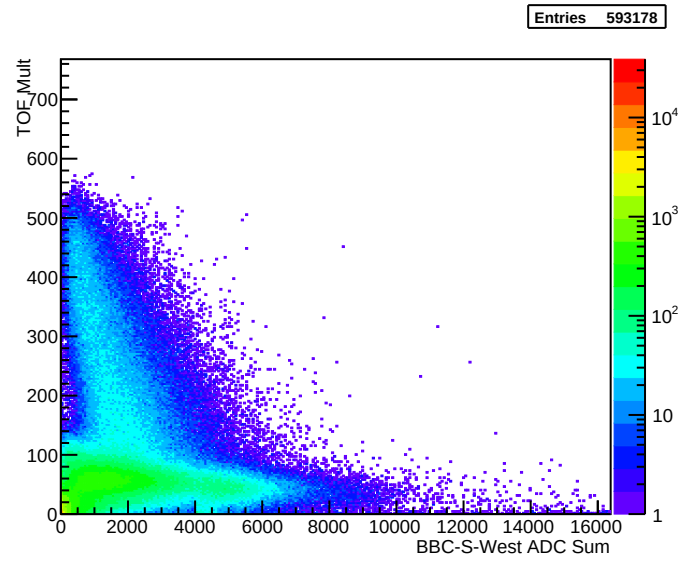

VT201 Input Ch4: VPD Tac Diff
Entries 593178
Tac

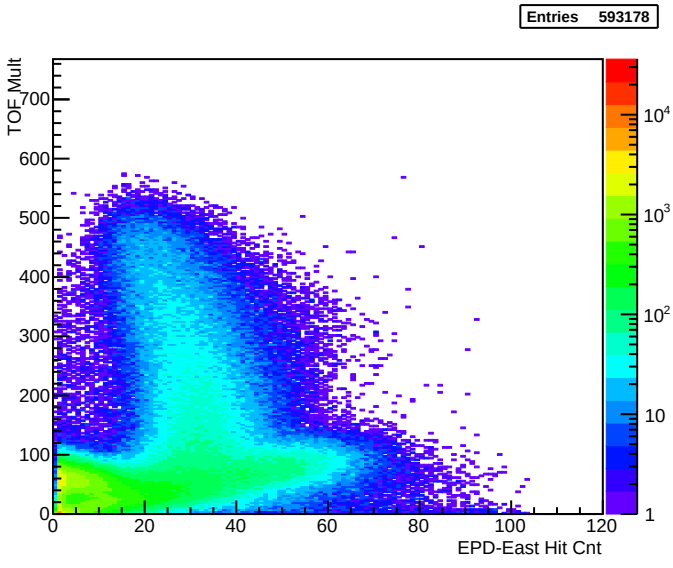

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

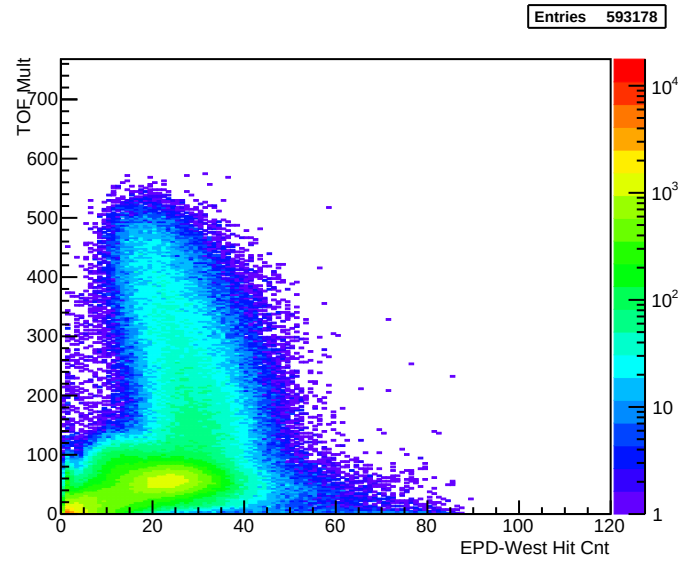

VT201 Input Ch4: VPD Adc Sum Th
Entries 1186356
288128
467707
305050
125471
East
West

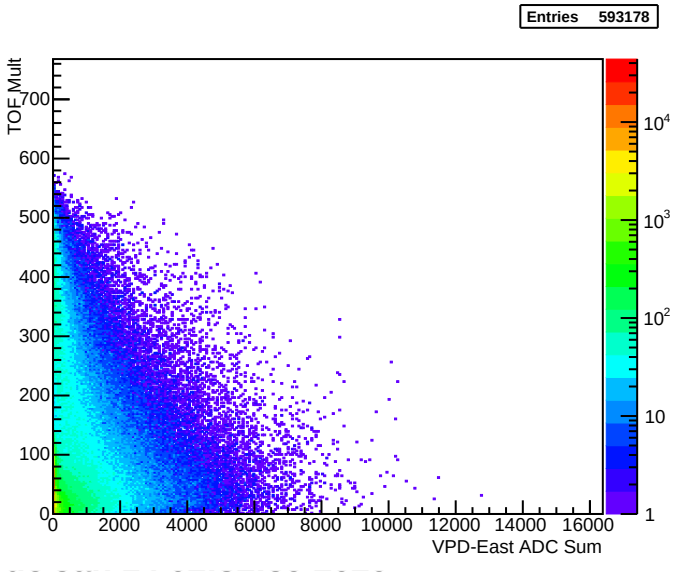

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

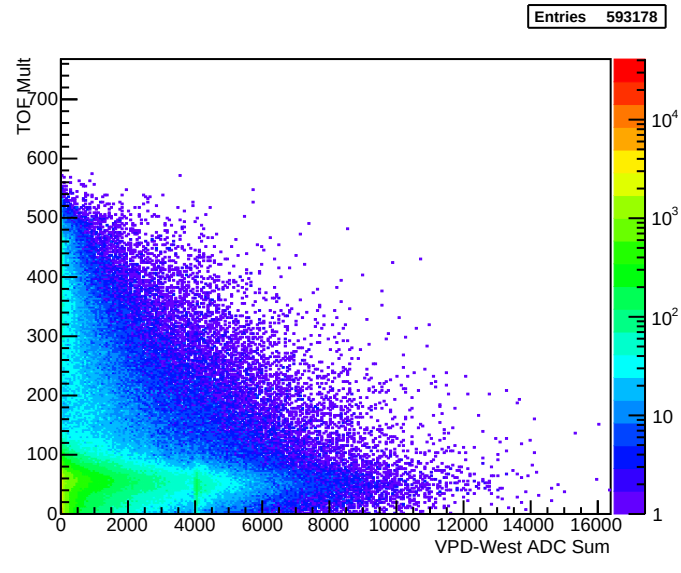

Entries 593178
TOF_Mult
BBC-S-East ADC Sum

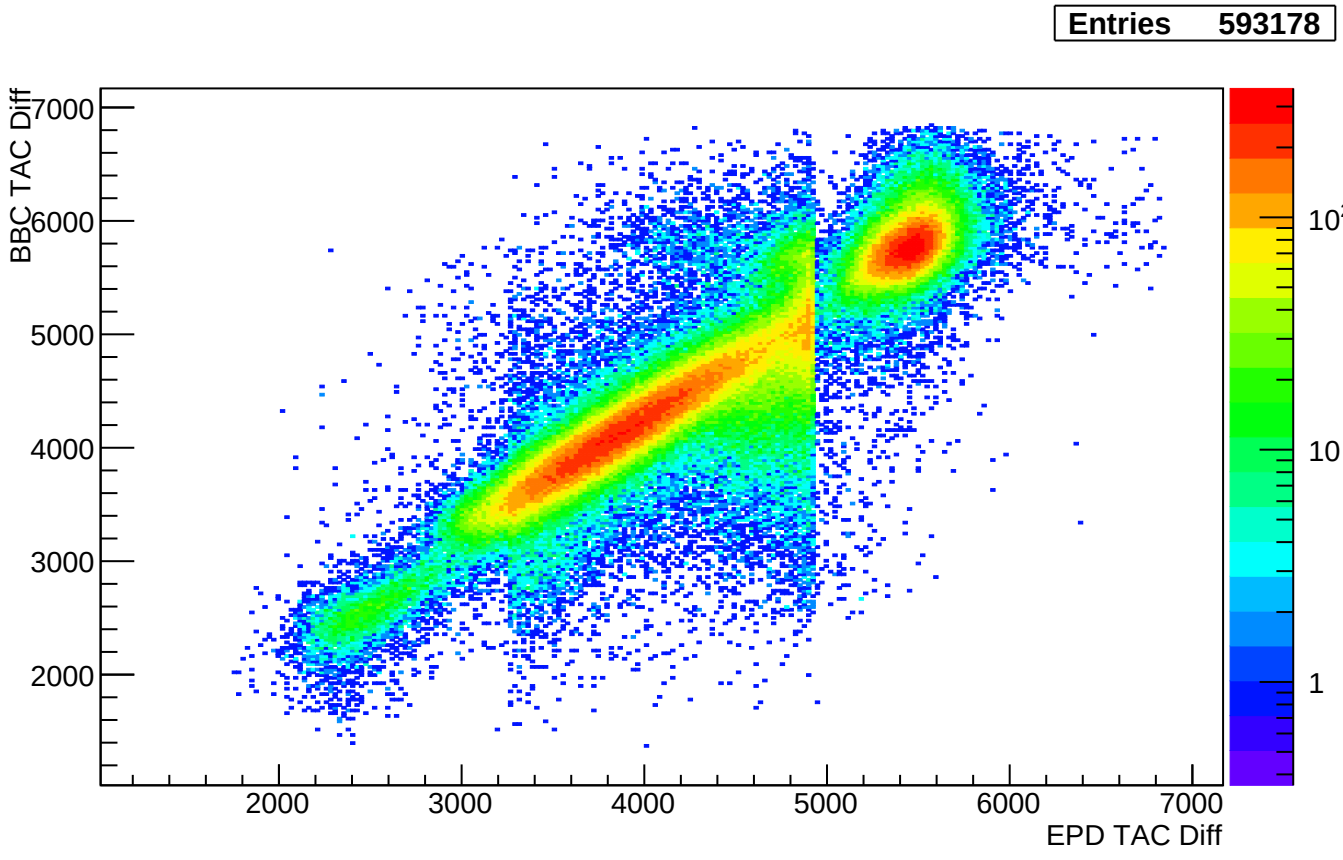

Entries 593178
TOF_Mult
BBC-S-West ADC Sum

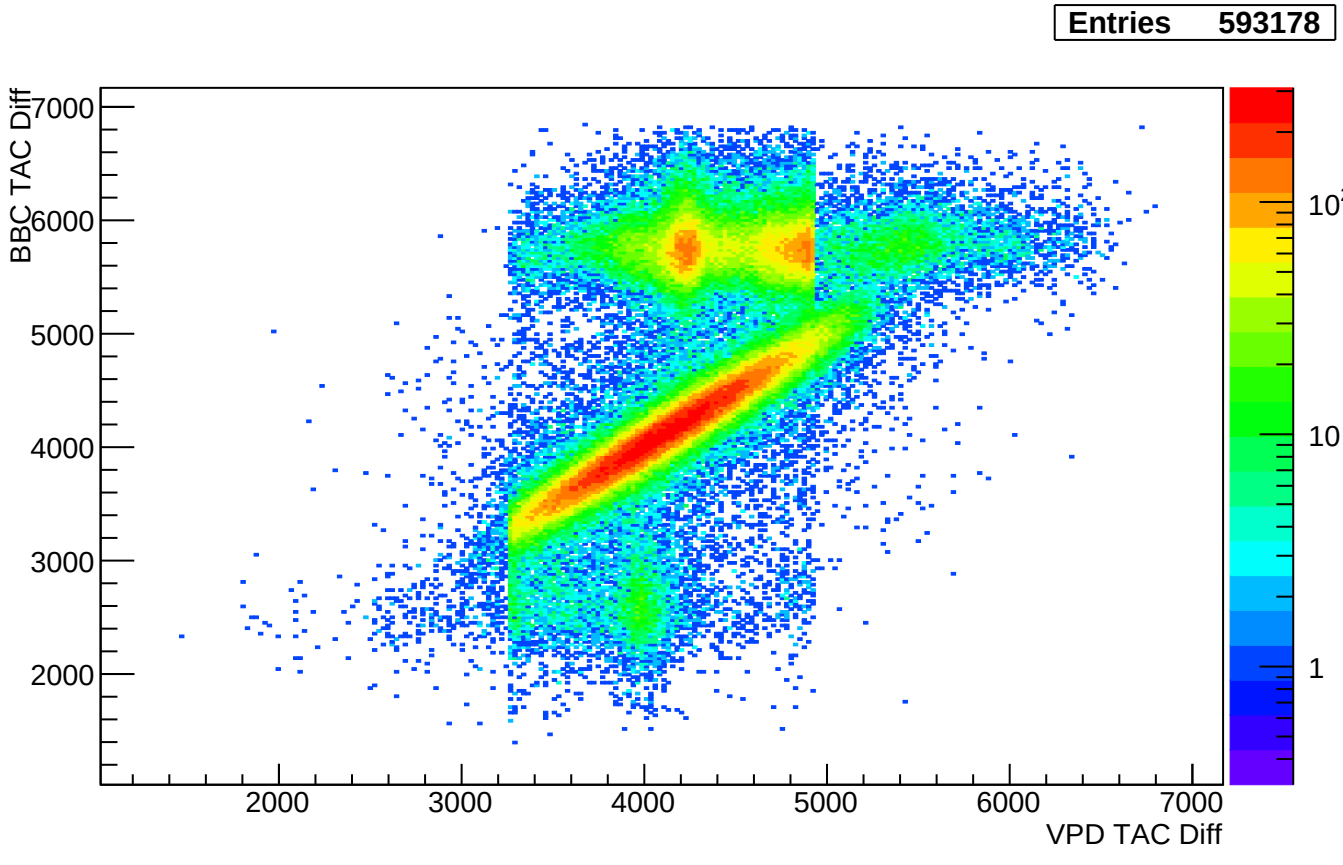

Entries 593178
TOF_Mult
EPD-East Hit Cnt

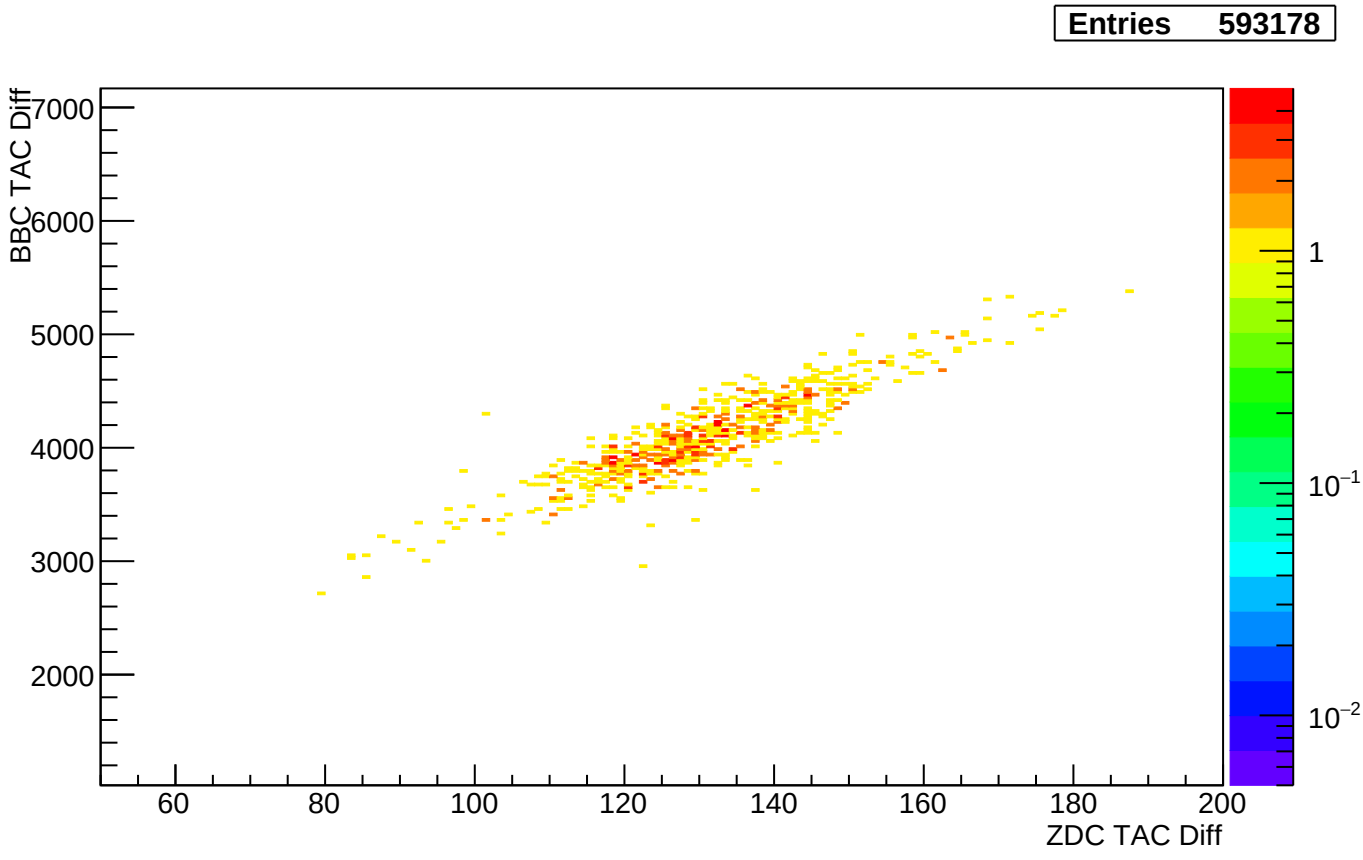

Entries 593178
TOF_Mult
EPD-West Hit Cnt

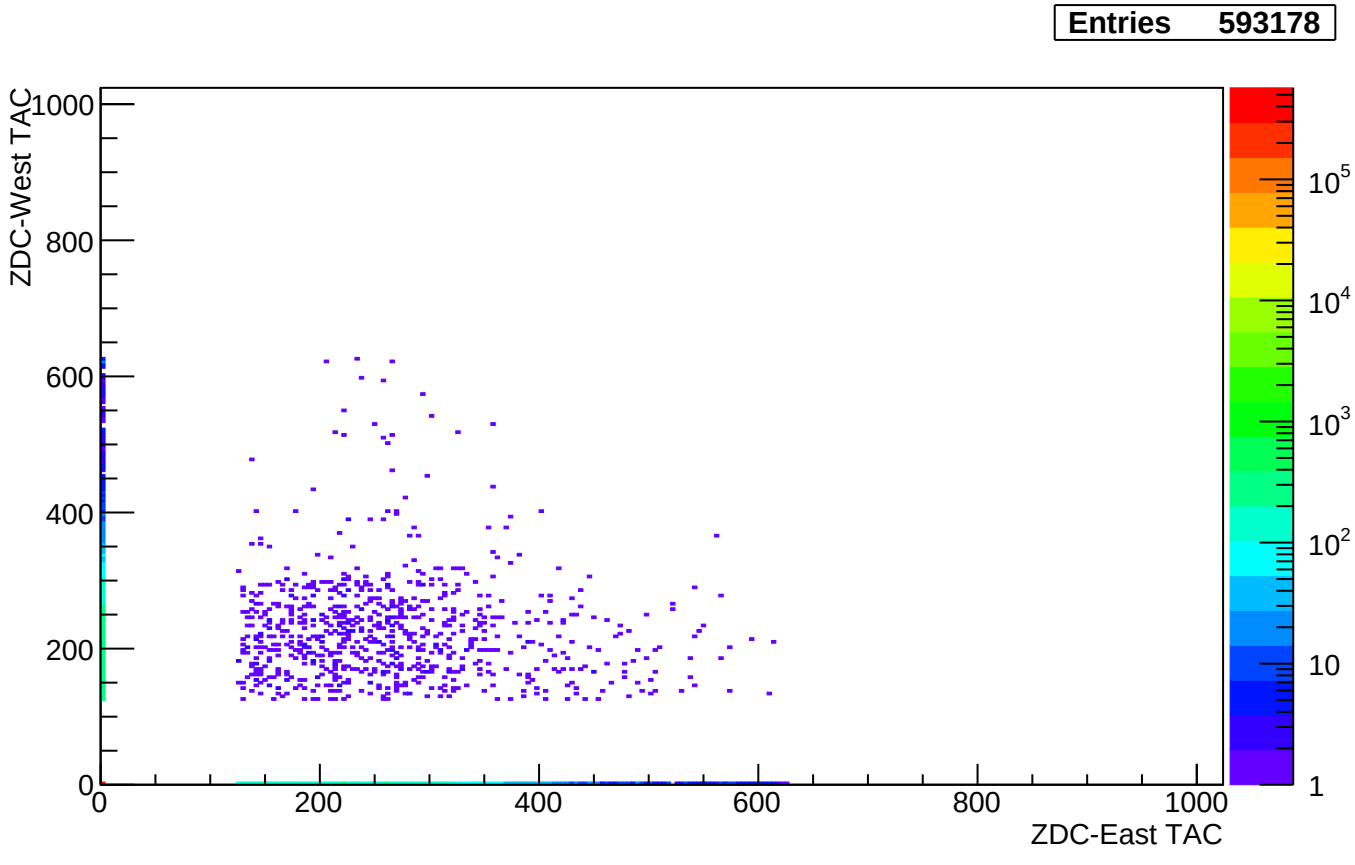

Entries 593178
TOF_Mult
VPD-East ADC Sum

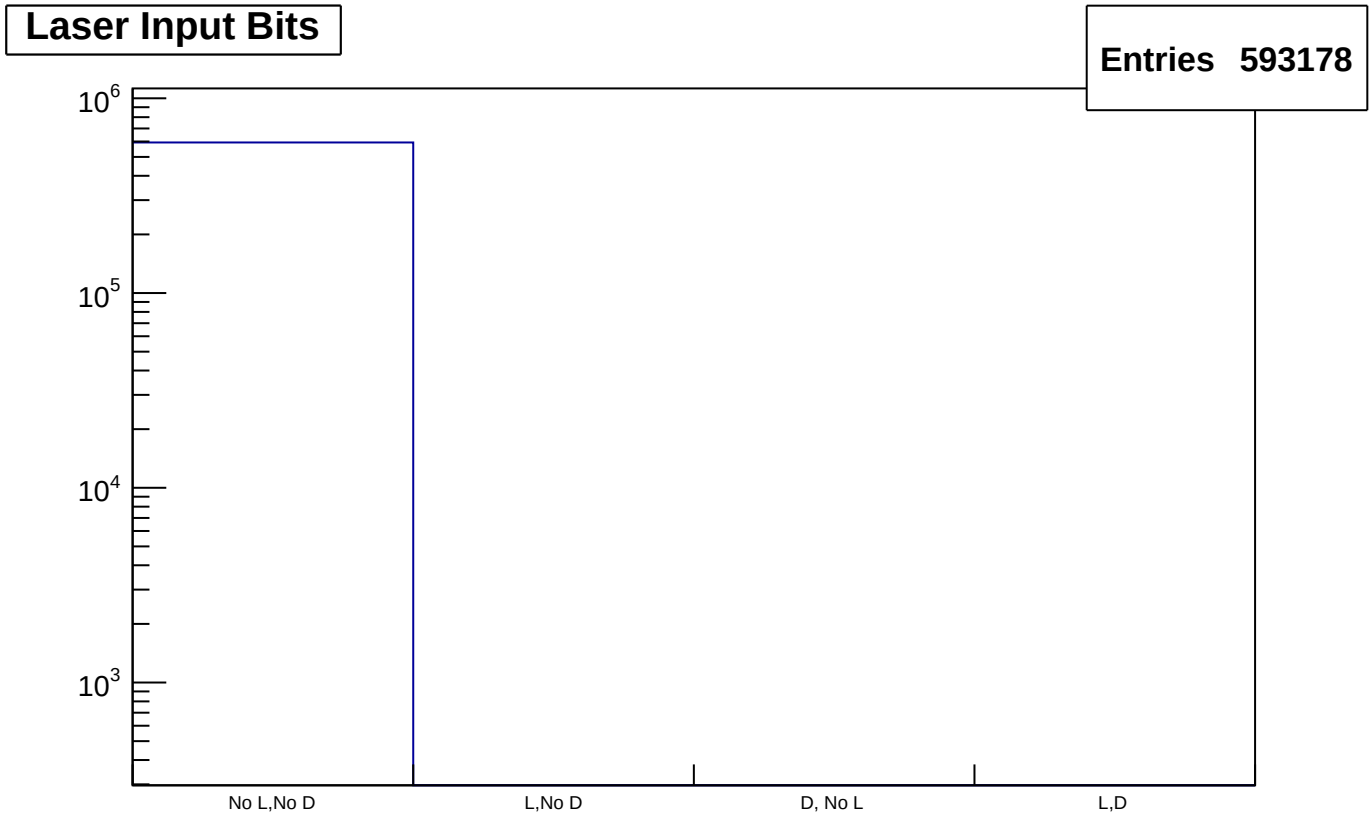

Entries 593178
TOF_Mult
VPD-West ADC Sum

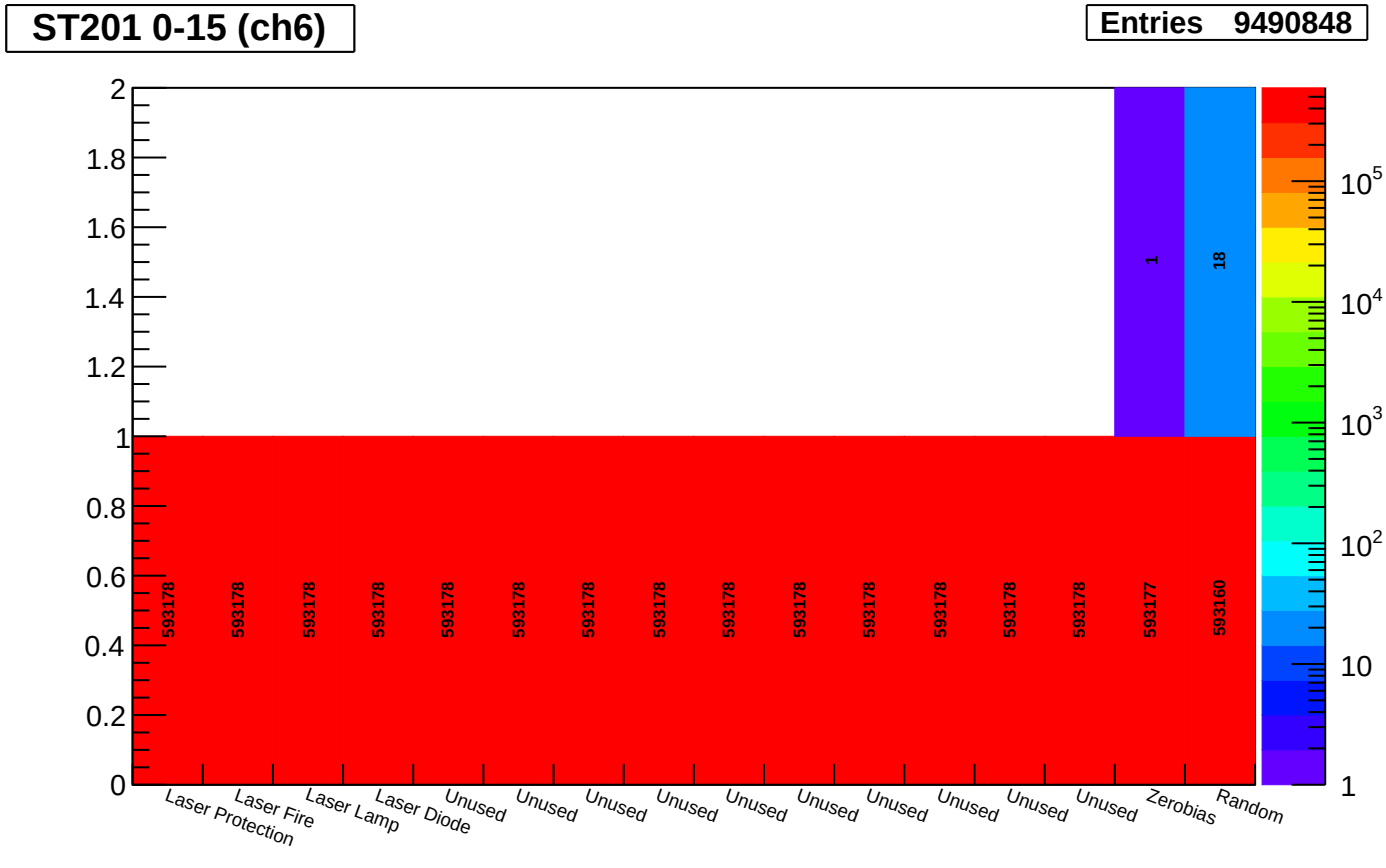

Entries 593178
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

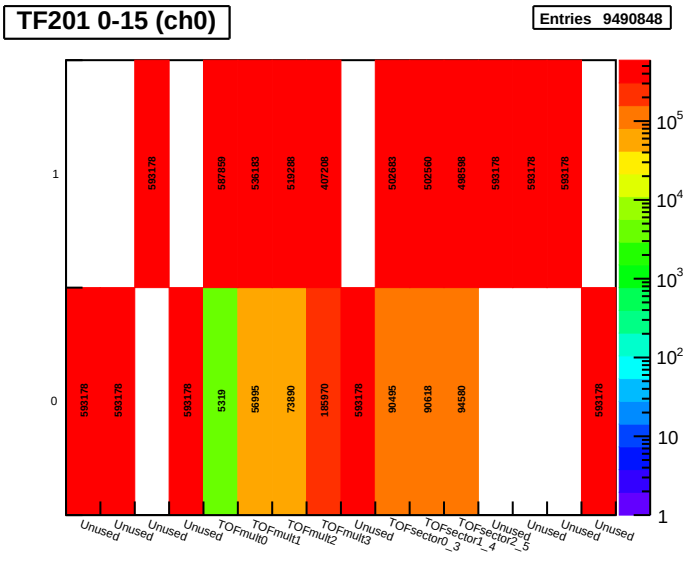

Entries 593178
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

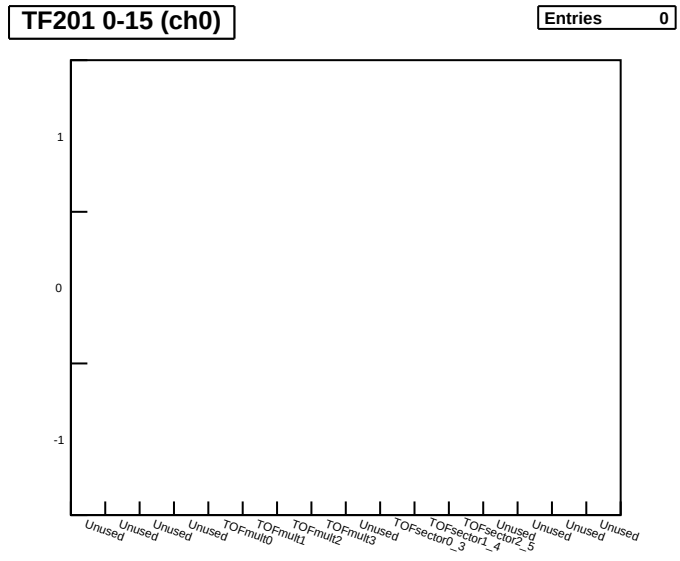

Entries 593178
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

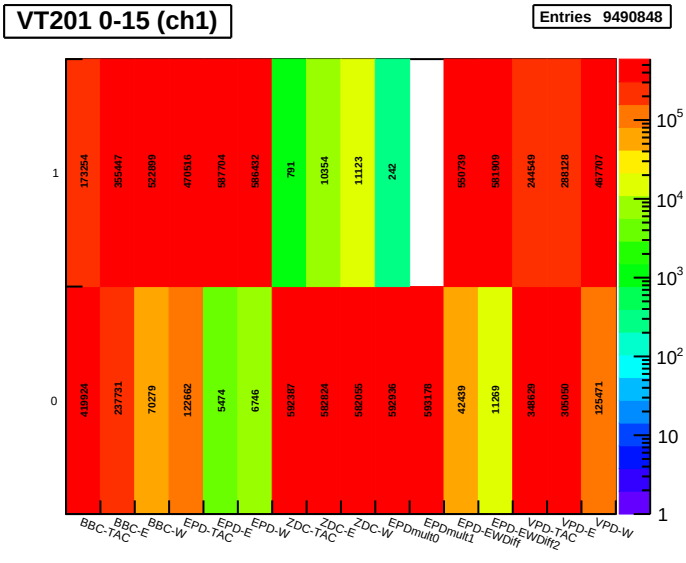

Entries 593178
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

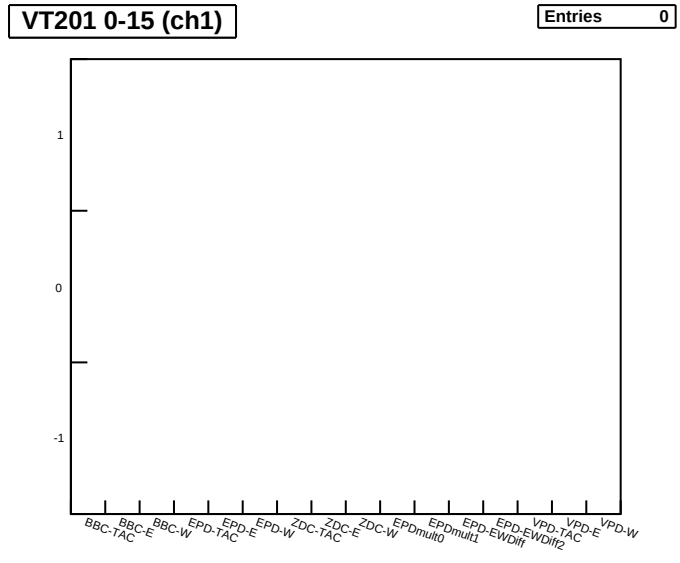

Laser Input Bits
Entries 593178
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

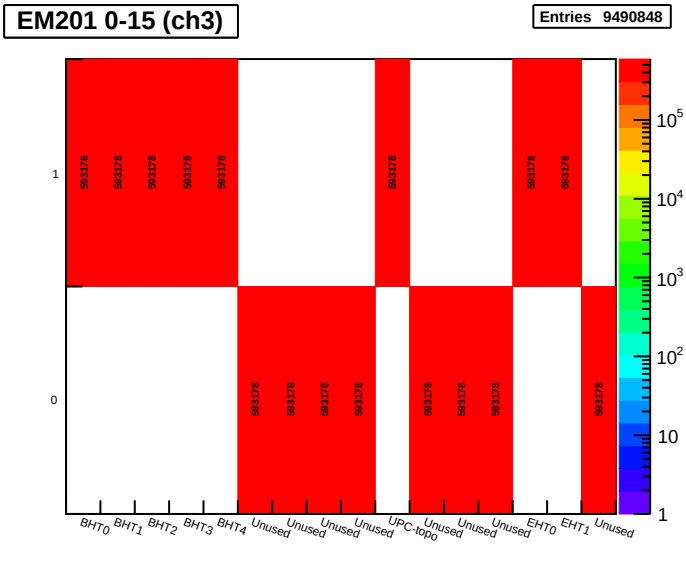

ST201 0-15 (ch6)
Entries 9490848
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
593178
593178
593178
593178
593178
593178
593178
593178
593178
593178
593178
593178
593178
593178
593177
593160
1
18
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

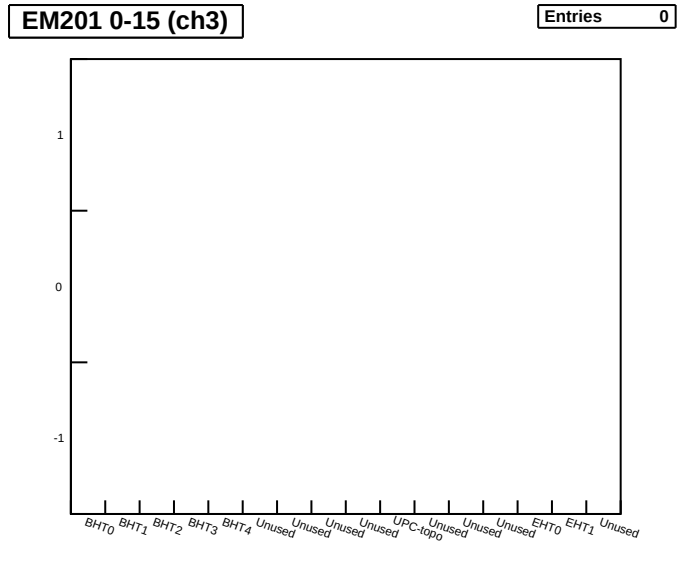

TF201 0-15 (ch0)
Entries 9490848
1
0
593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178
5319 56995 73890 185970 90495 90618 94580
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 Unused


VT201 0-15 (ch1)
Entries 9490848
1
0
173254 355447 522899 470516 587704 586432 791 10354 11123 242 550739 581909 244549 288128 467707
419924 237731 70279 122662 5474 6746 592387 582824 582055 592936 593178 42439 11269 348629 305050 125471
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 9490848
1
0
593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178 593178
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