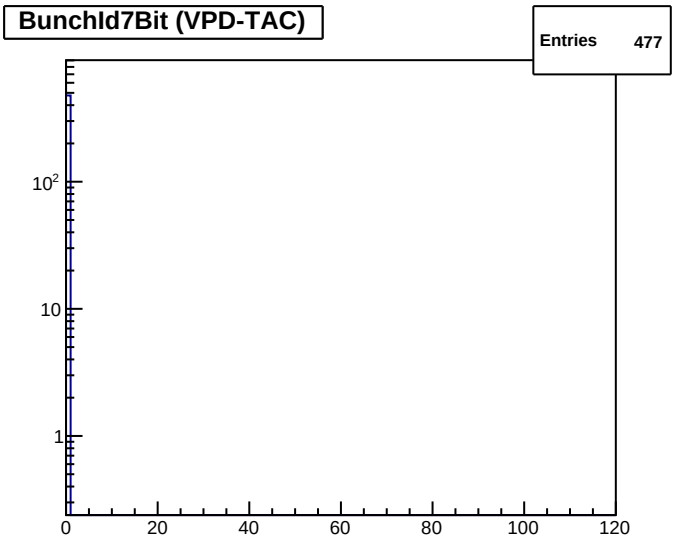
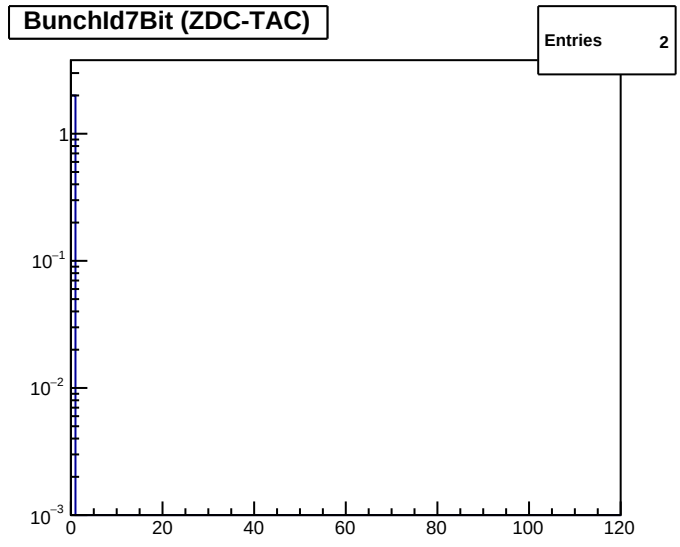
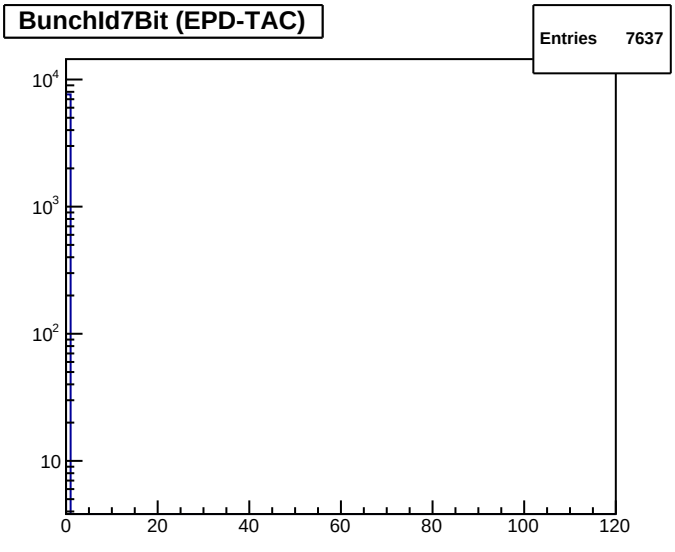
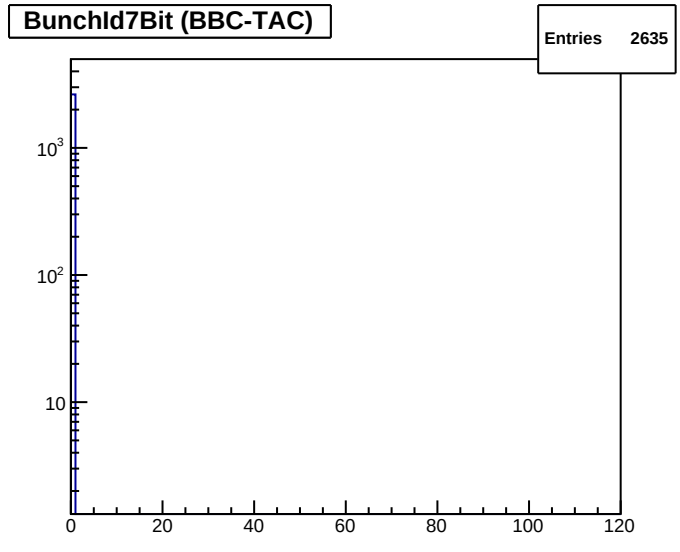
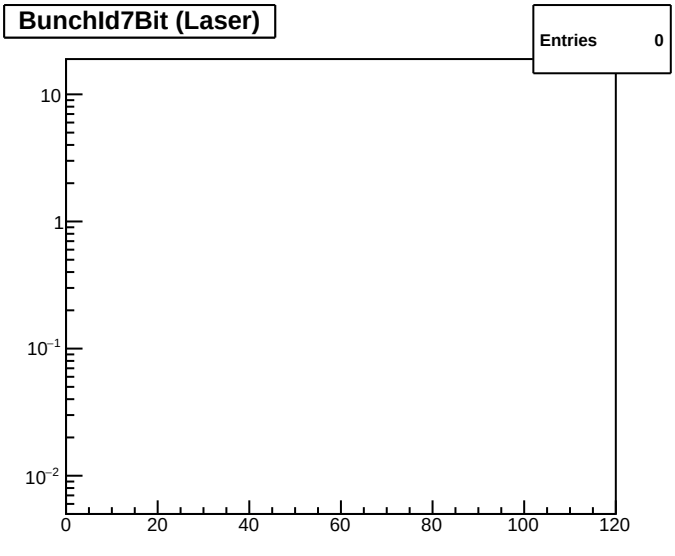
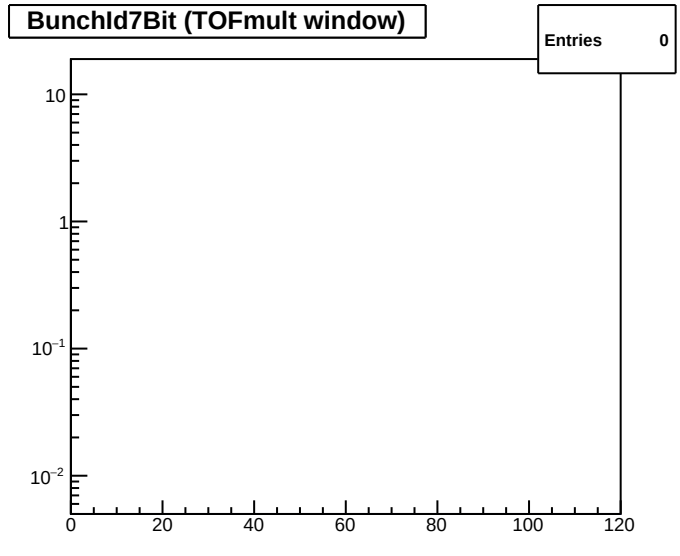

BunchId7Bit (VPD-TAC)
Entries 477
10^2
10
1
0 20 40 60 80 100 120

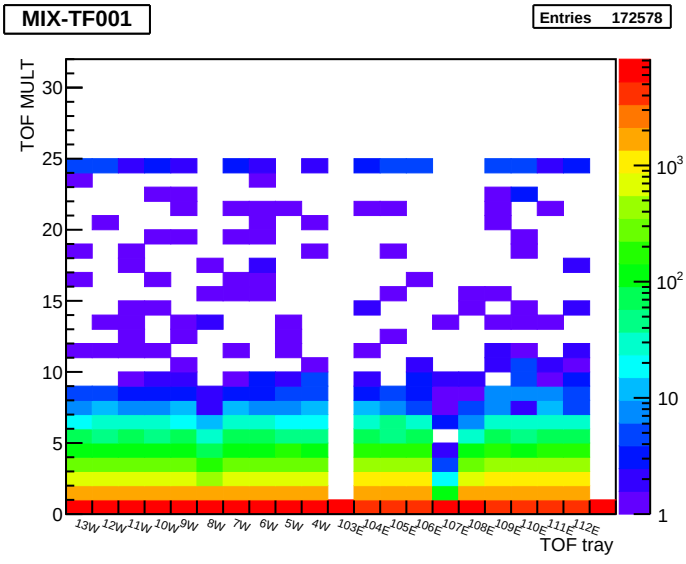

BunchId7Bit (ZDC-TAC)
Entries 2
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

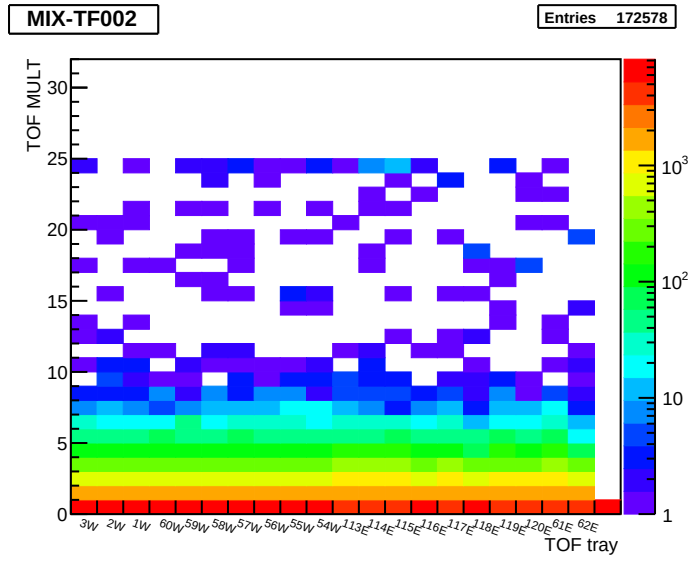

BunchId7Bit (EPD-TAC)
Entries 7637
10^4
10^3
10^2
10
0 20 40 60 80 100 120

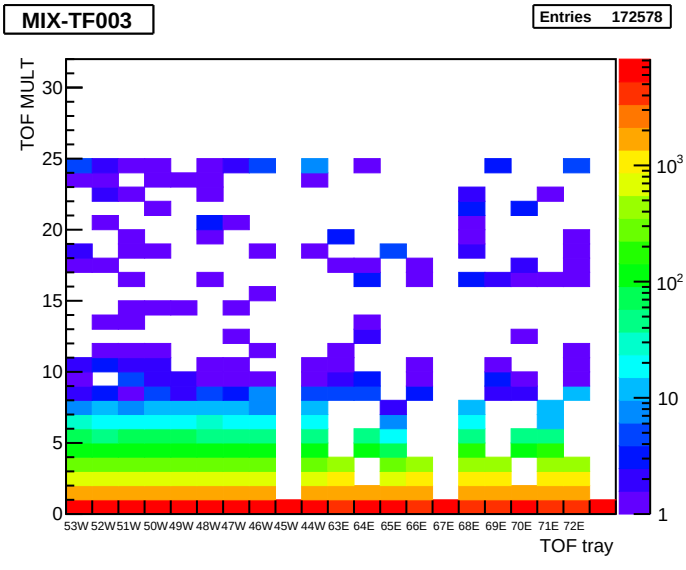

BunchId7Bit (BBC-TAC)
Entries 2635
10^3
10^2
10
0 20 40 60 80 100 120

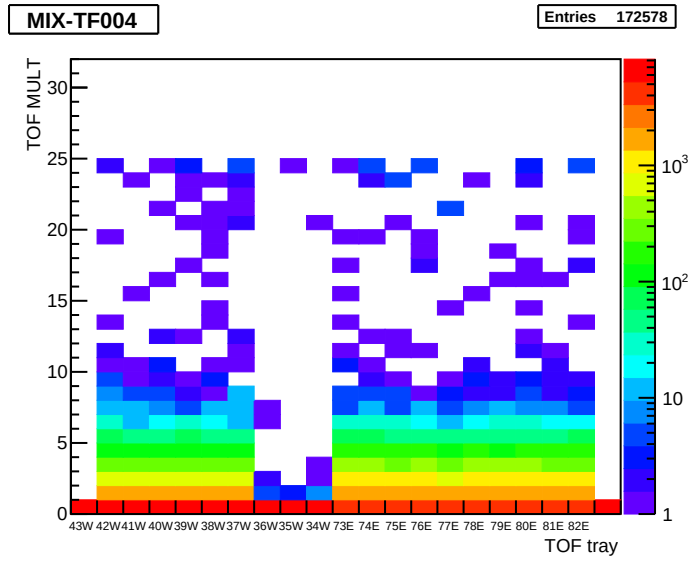

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

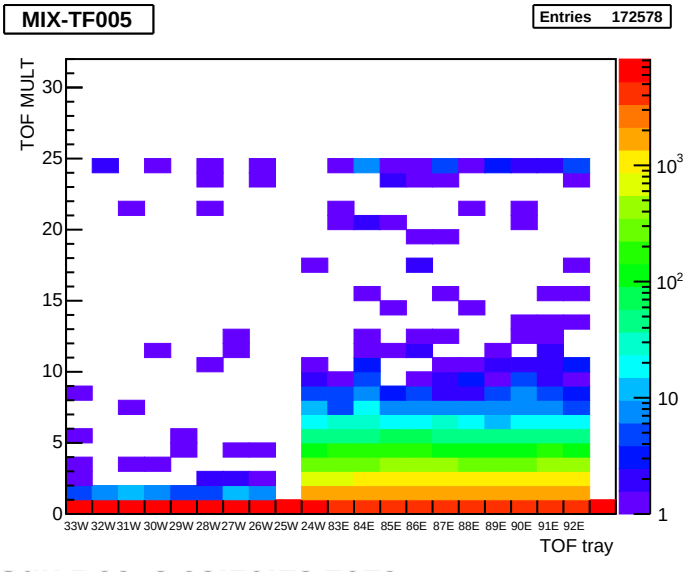

BunchId7Bit (TOFmult window)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

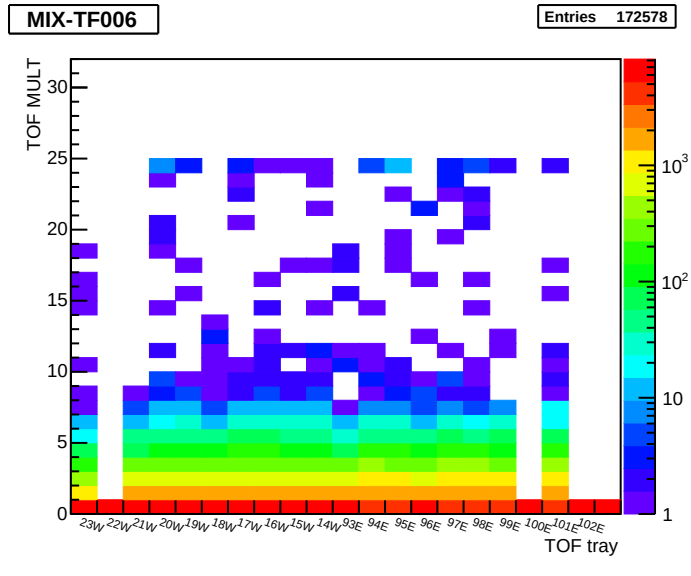

MIX-TF001
Entries 172578
TOF MULT
TOF tray

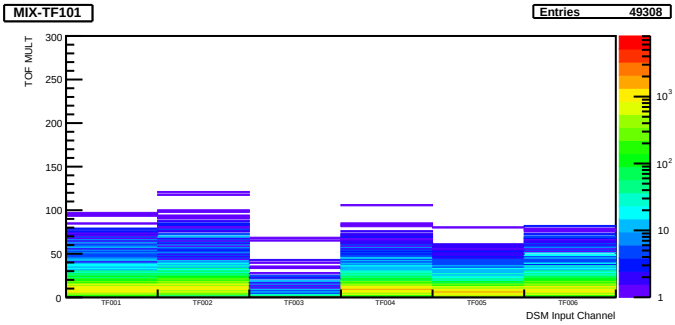

MIX-TF002
Entries 172578
TOF MULT
TOF tray

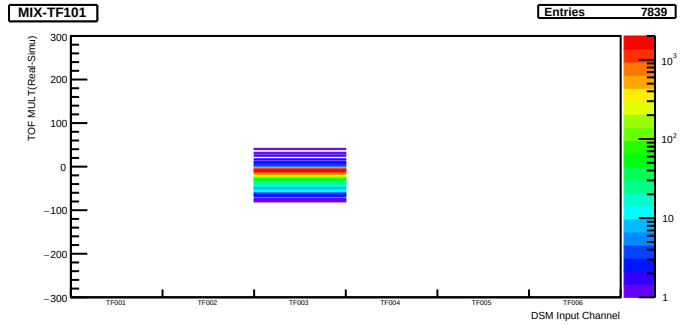

MIX-TF003
Entries 172578
TOF MULT
TOF tray

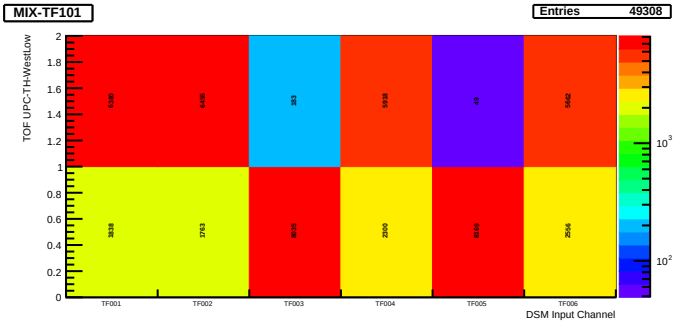

MIX-TF004
Entries 172578
TOF MULT
TOF tray

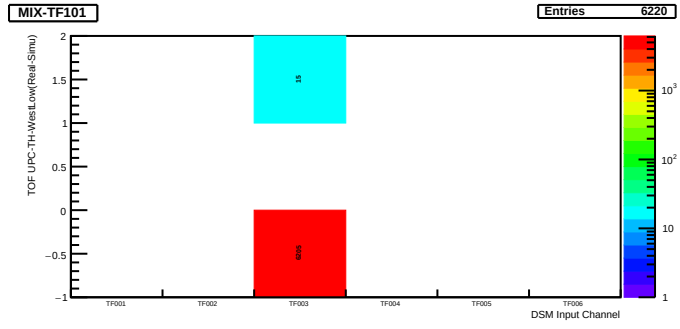

MIX-TF005
Entries 172578
TOF MULT
TOF tray

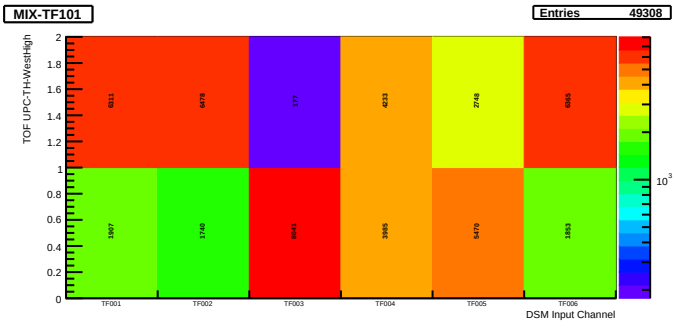

MIX-TF006
Entries 172578
TOF MULT
TOF tray

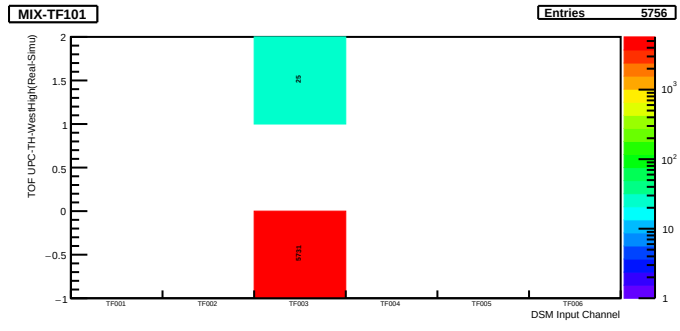

MIX-TF101
Entries 49308
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

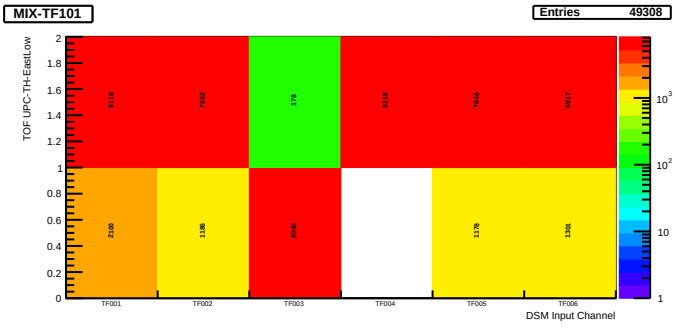

MIX-TF101
Entries 7839
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

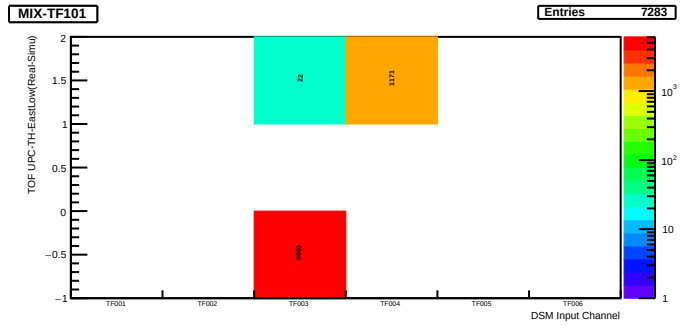

MIX-TF101
Entries 49308
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

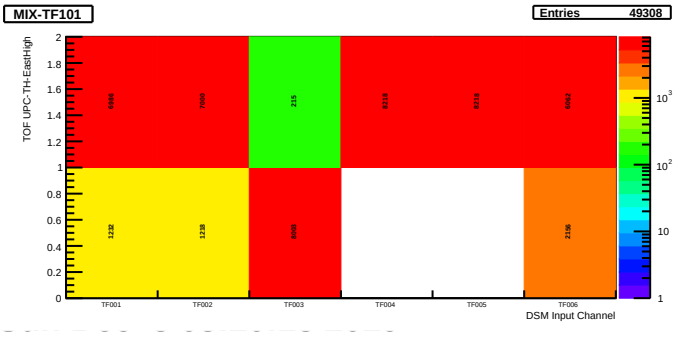

MIX-TF101
Entries 6220
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

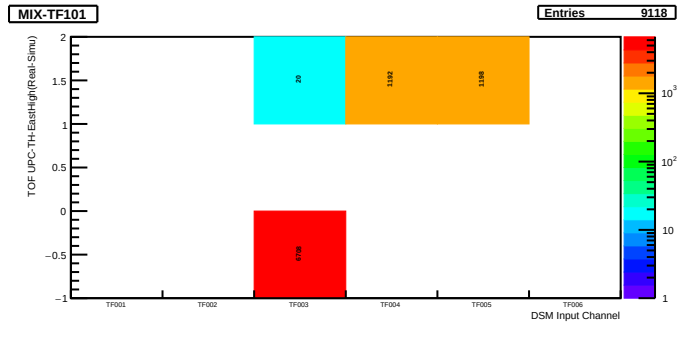

MIX-TF101
Entries 49308
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

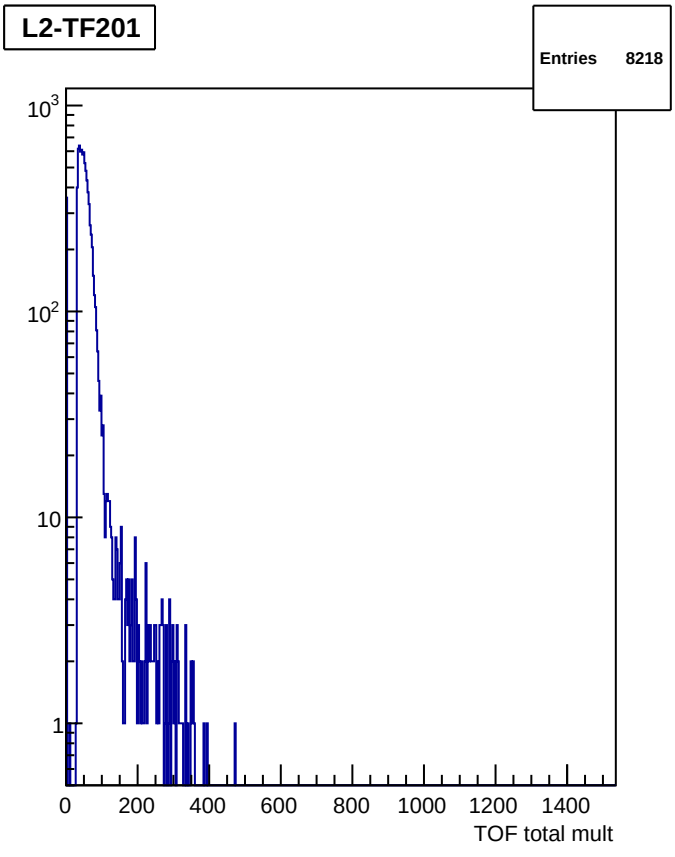

MIX-TF101
Entries 5756
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

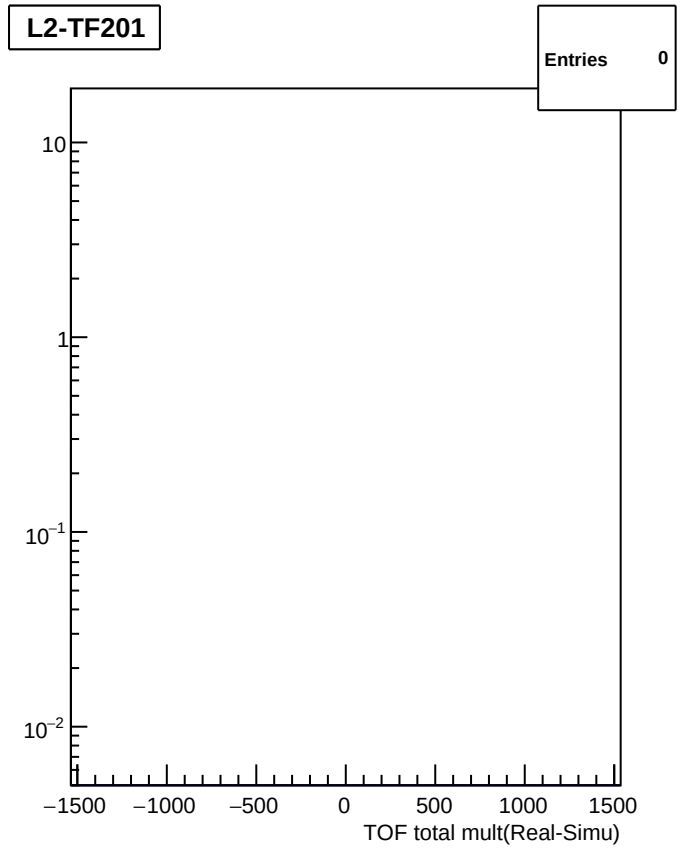

MIX-TF101
Entries 49308
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

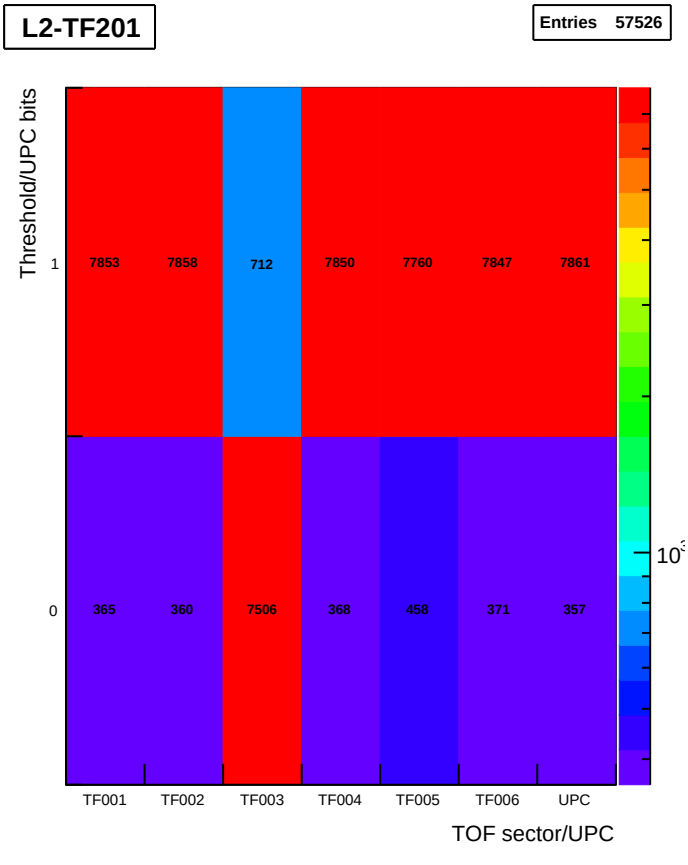

MIX-TF101
Entries 7283
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

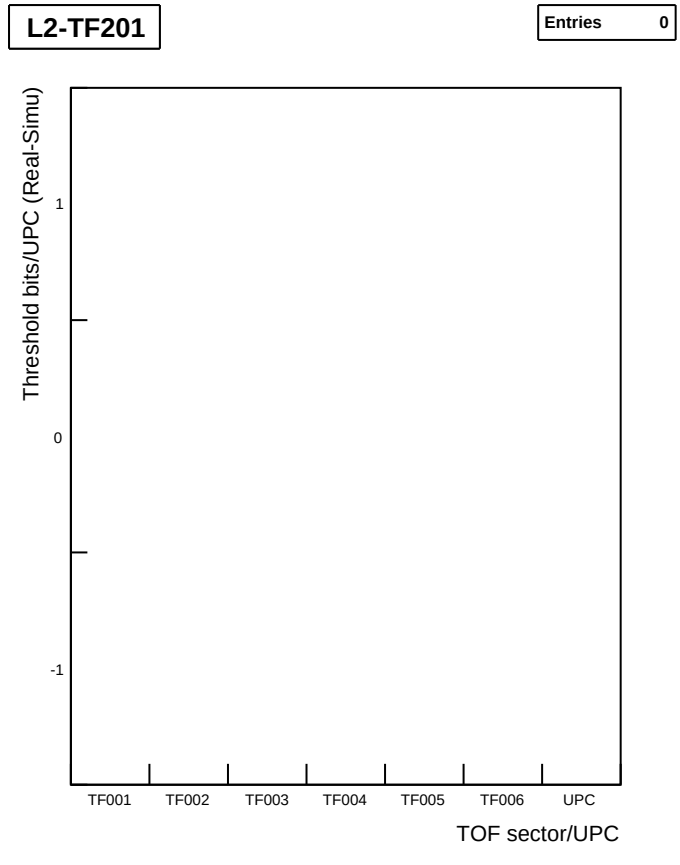

MIX-TF101
Entries 49308
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

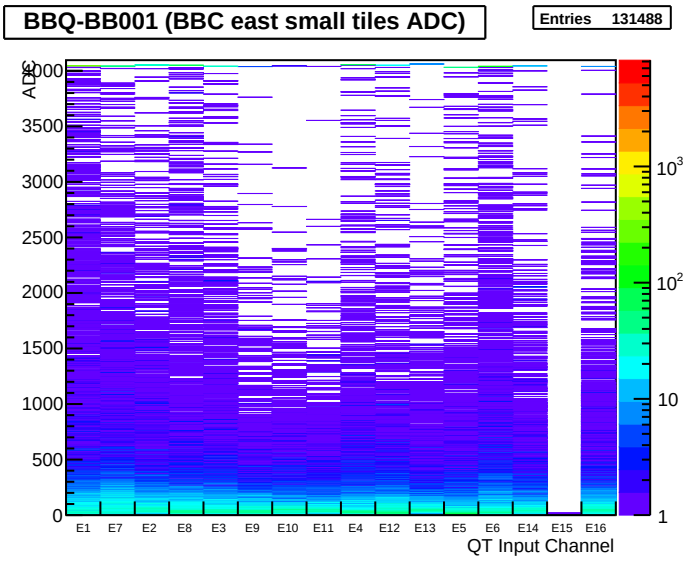

MIX-TF101
Entries 9118
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

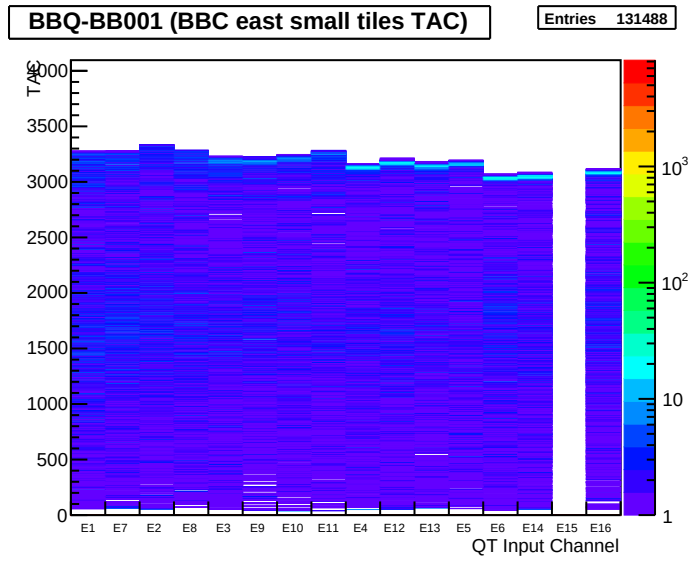

L2-TF201
Entries 8218
TOF total mult

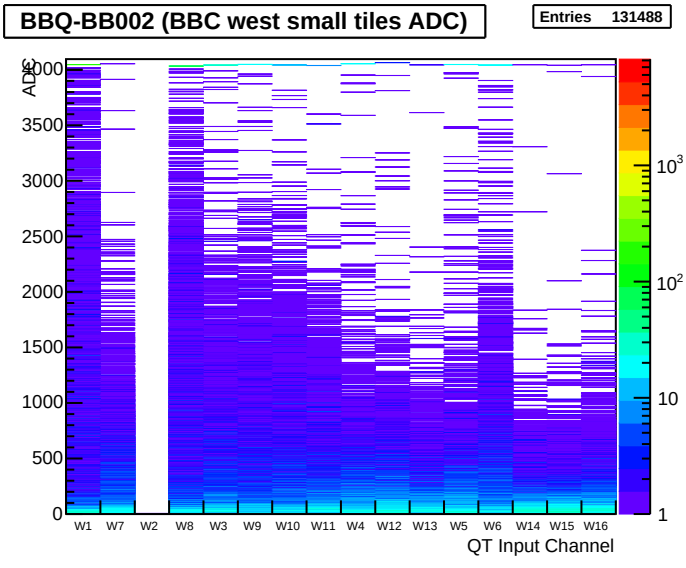

L2-TF201
Entries 0
TOF total mult(Real-Simu)

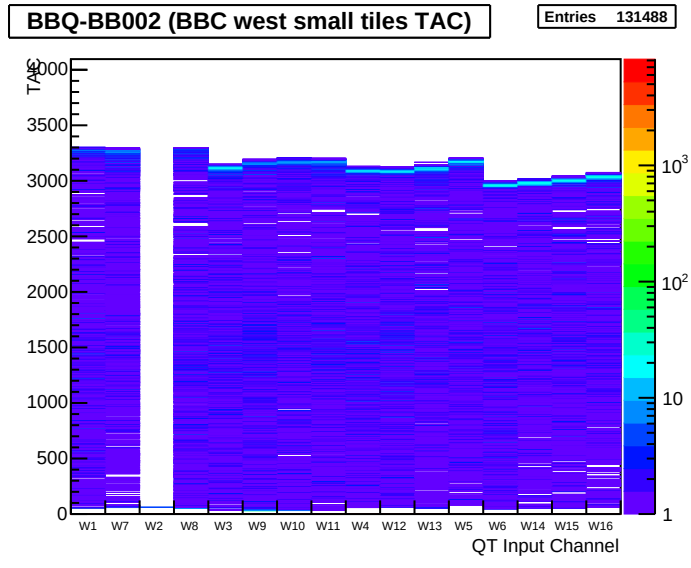

L2-TF201
Entries 57526
Threshold/UPC bits
7853
7858
712
7850
7760
7847
7861
365
360
7506
368
458
371
357
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

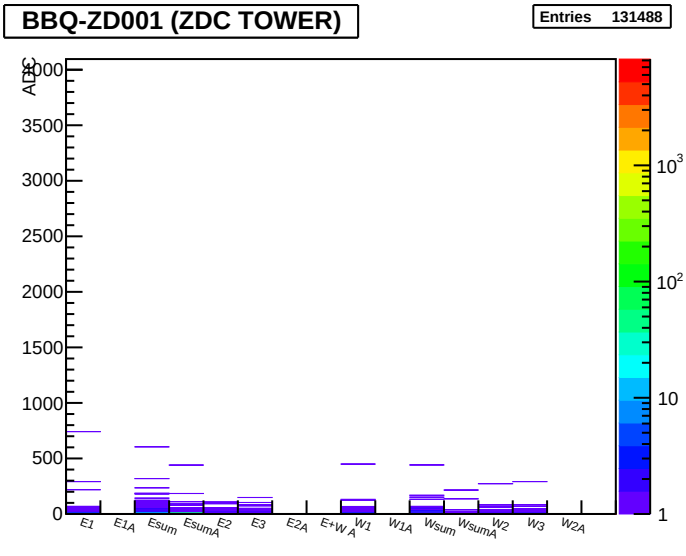

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

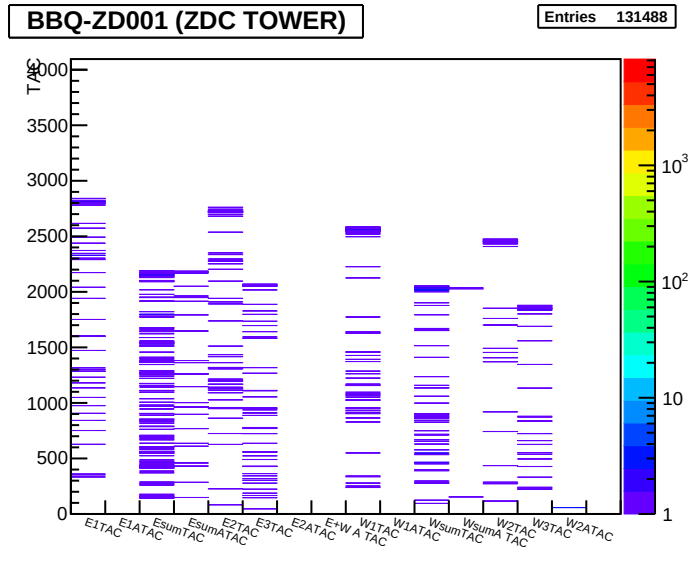

BBQ-BB001 (BBC east small tiles ADC)
Entries 131488
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

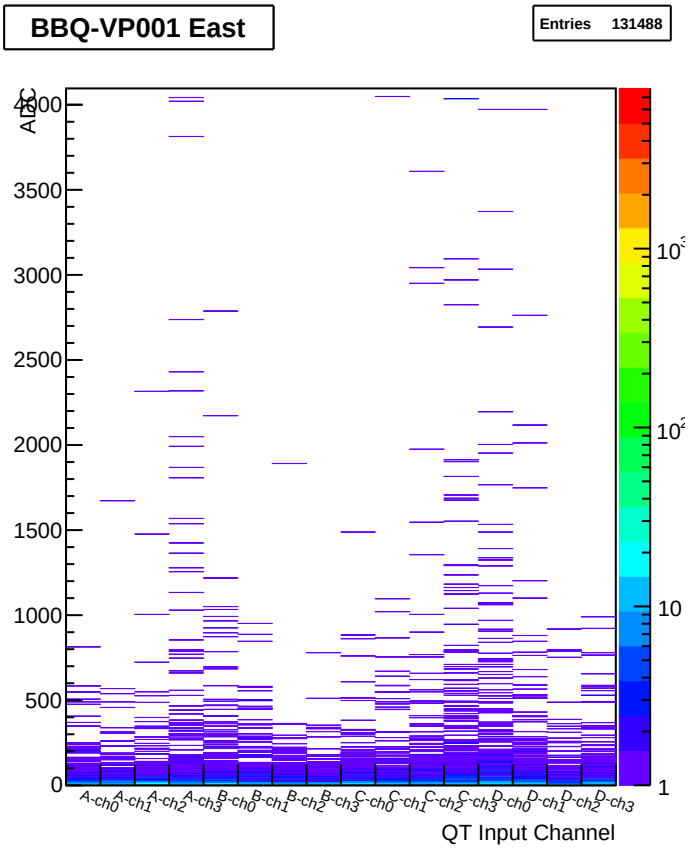

BBQ-BB001 (BBC east small tiles TAC)
Entries 131488
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

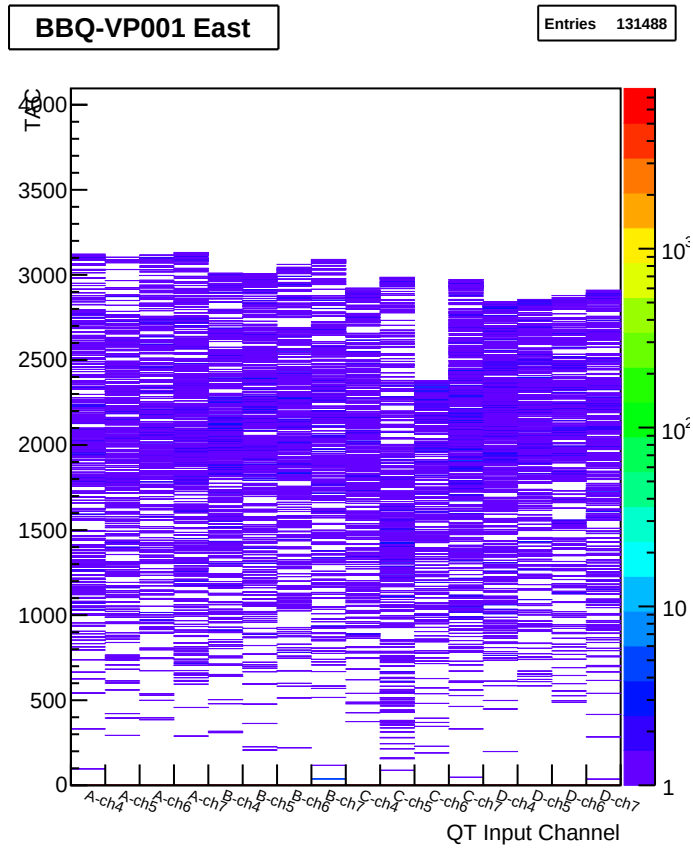

BBQ-BB002 (BBC west small tiles ADC)
Entries 131488
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

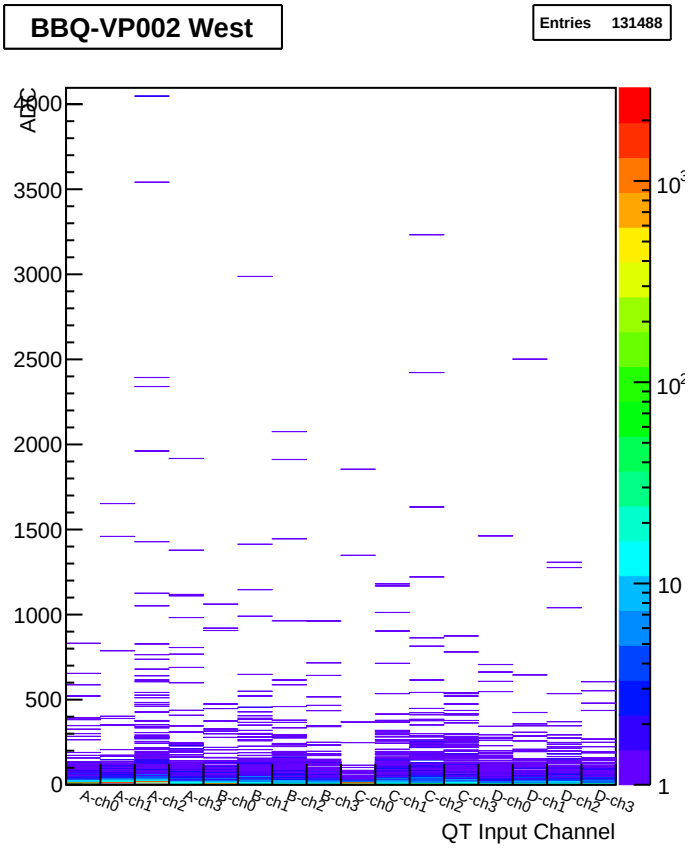

BBQ-BB002 (BBC west small tiles TAC)
Entries 131488
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

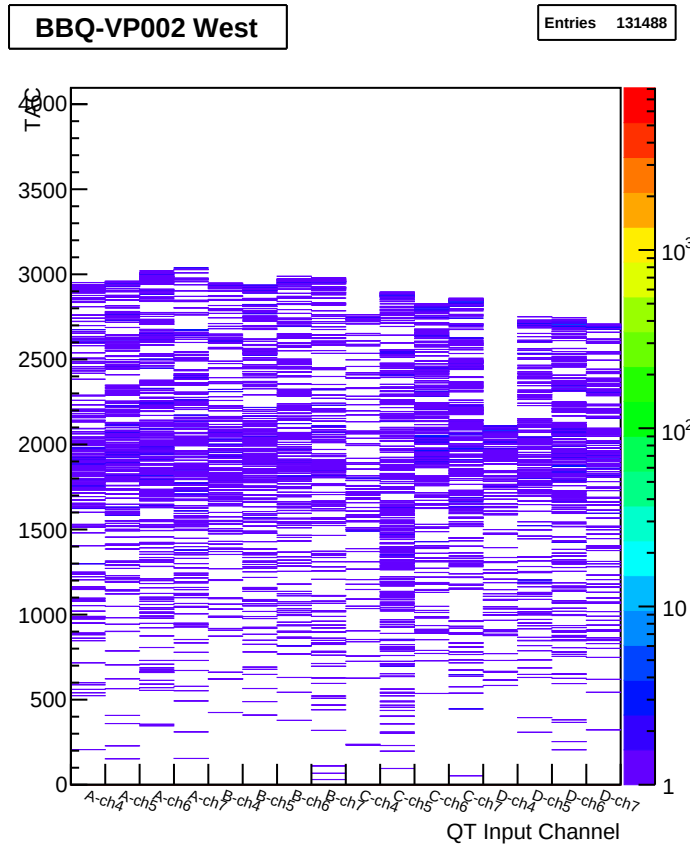

BBQ-ZD001 (ZDC TOWER)
Entries 131488
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

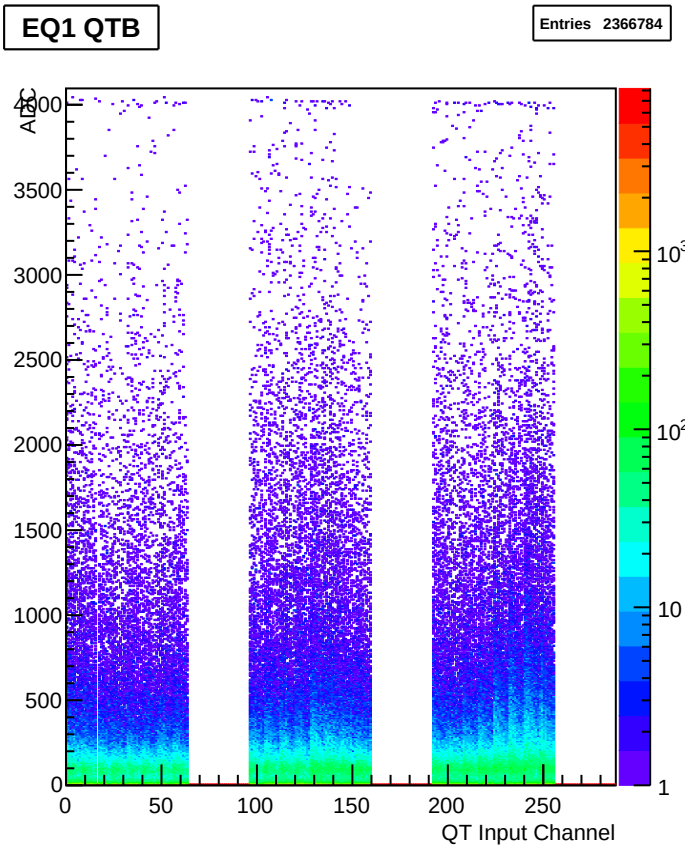

BBQ-ZD001 (ZDC TOWER)
Entries 131488
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

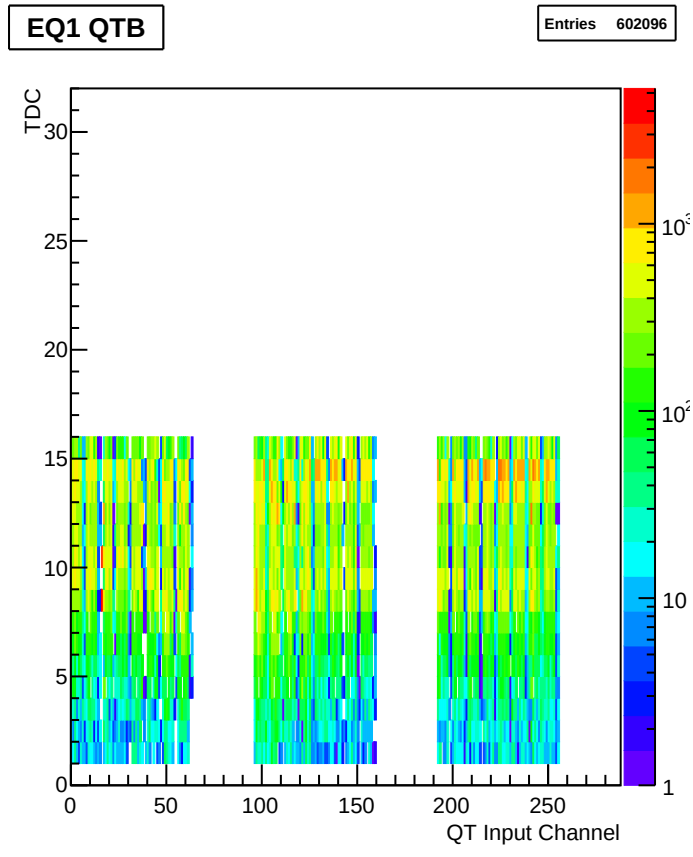

BBQ-VP001 East
Entries 131488
ADC
QT Input Channel

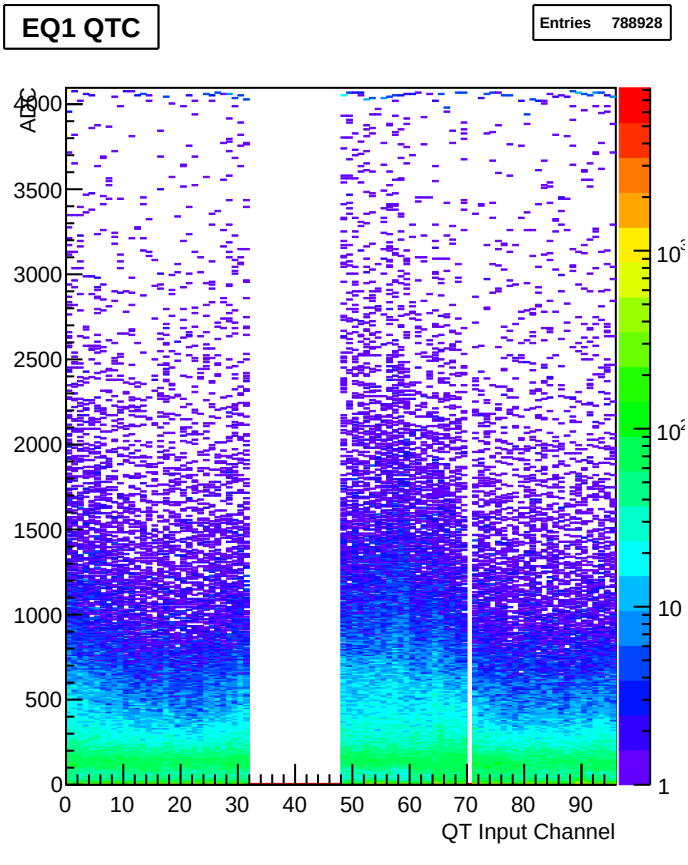

BBQ-VP001 East
Entries 131488
TADC
QT Input Channel

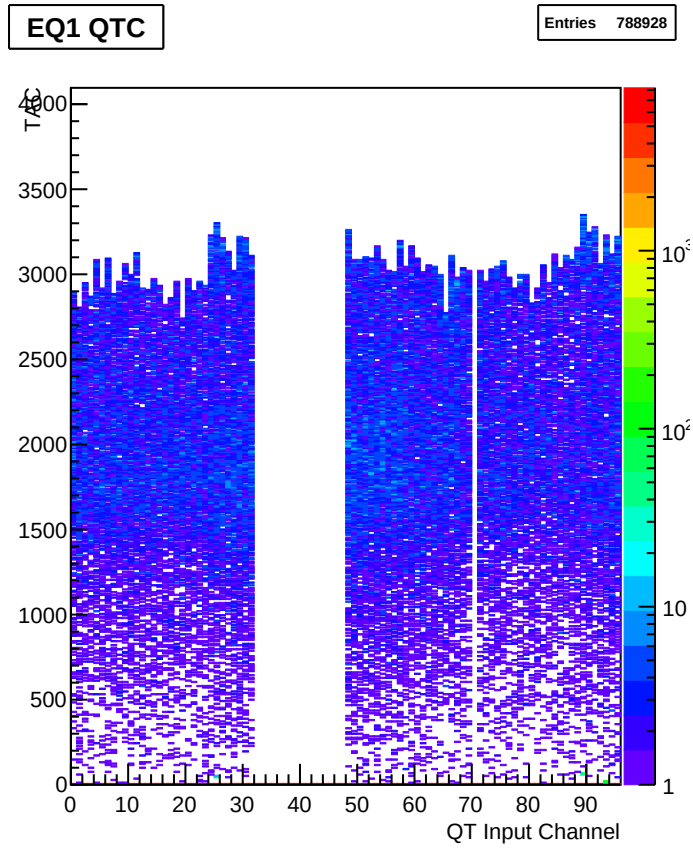

BBQ-VP002 West
Entries 131488
ADC
QT Input Channel

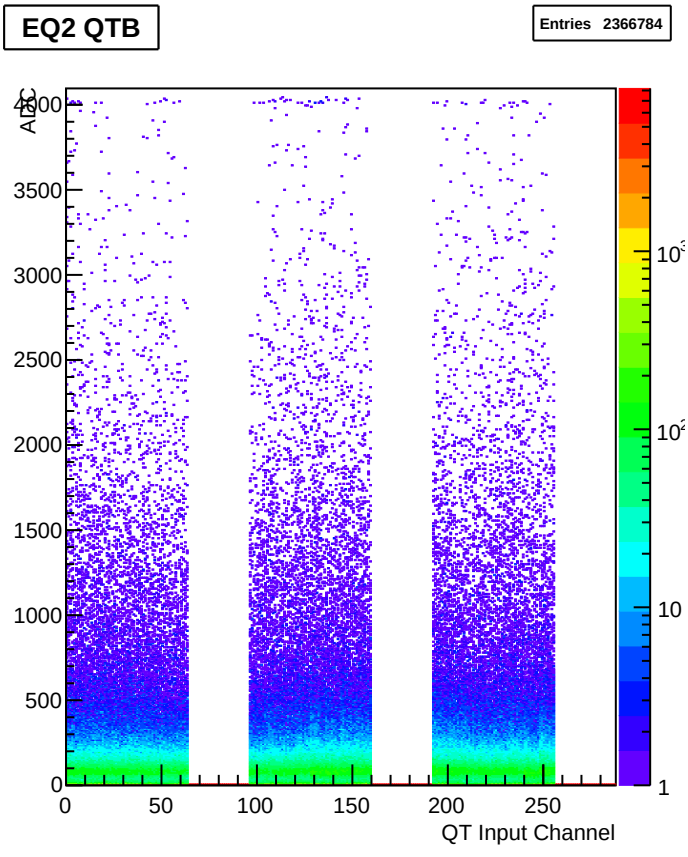

BBQ-VP002 West
Entries 131488
TADC
QT Input Channel

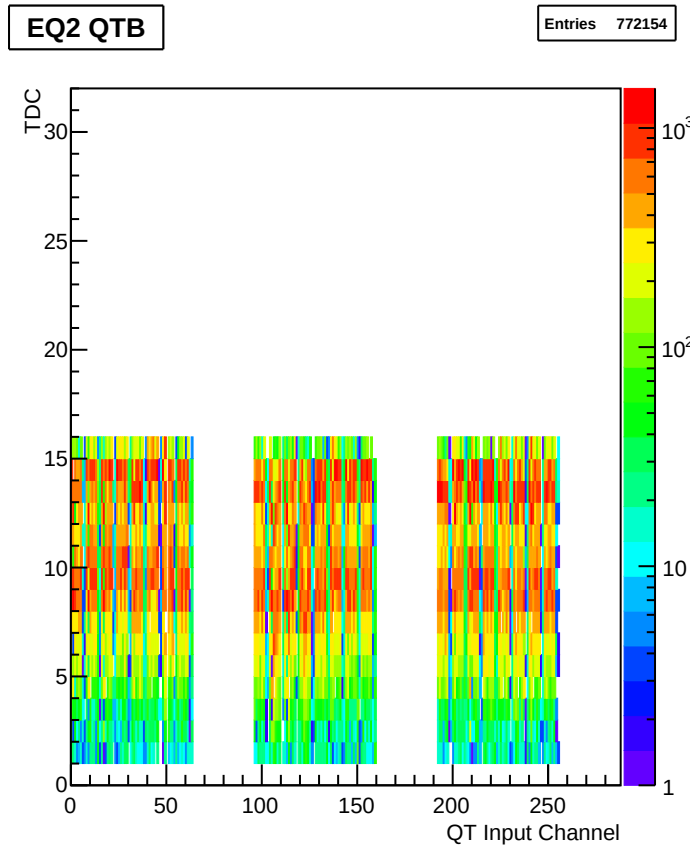

EQ1 QTB
Entries 2366784
ADC
QT Input Channel

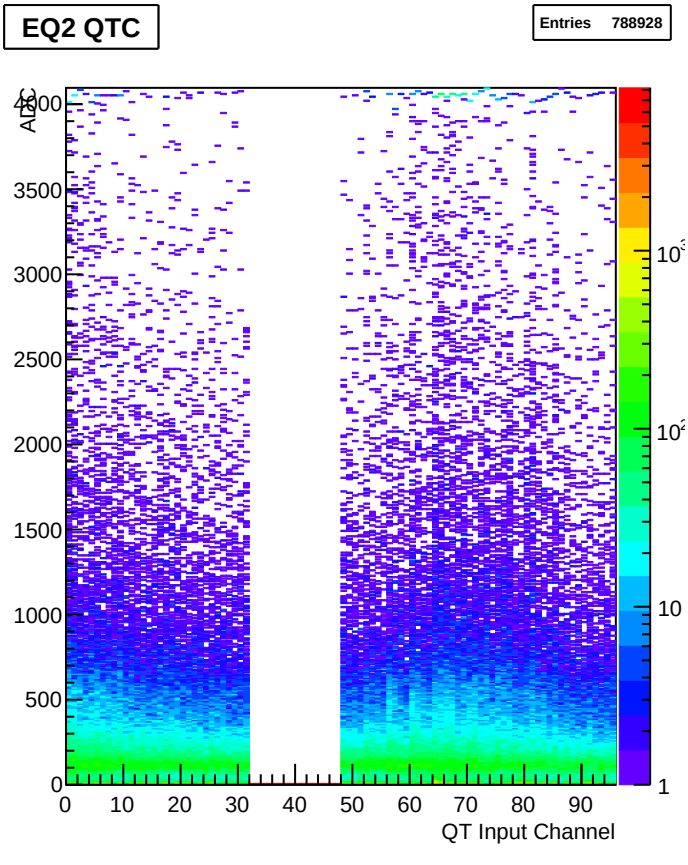

EQ1 QTB
Entries 602096
TDC
QT Input Channel

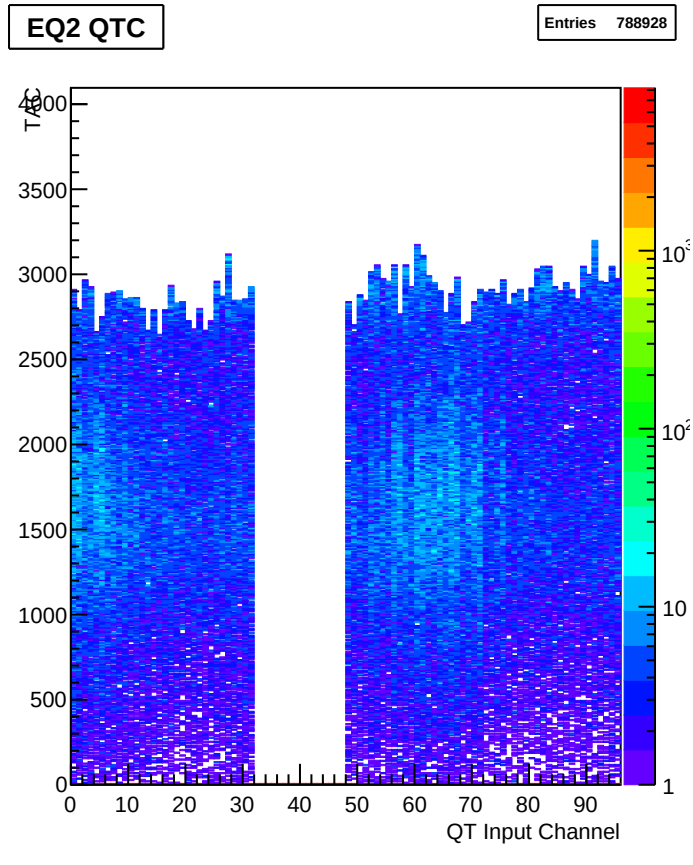

EQ1 QTC
Entries 788928
ADC
QT Input Channel

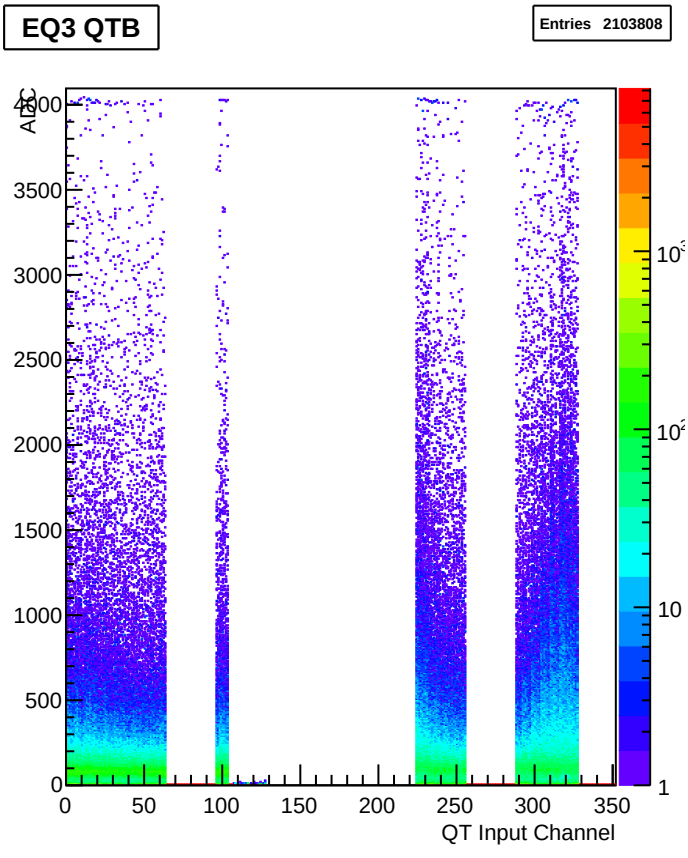

EQ1 QTC
Entries 788928
TADC
QT Input Channel

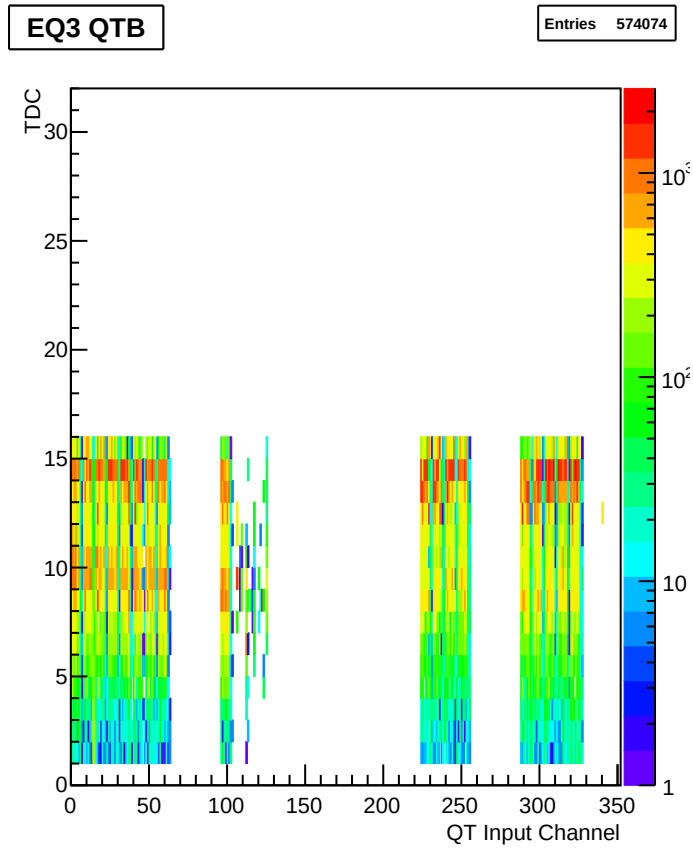

EQ2 QTB
Entries 2366784
ADC
QT Input Channel

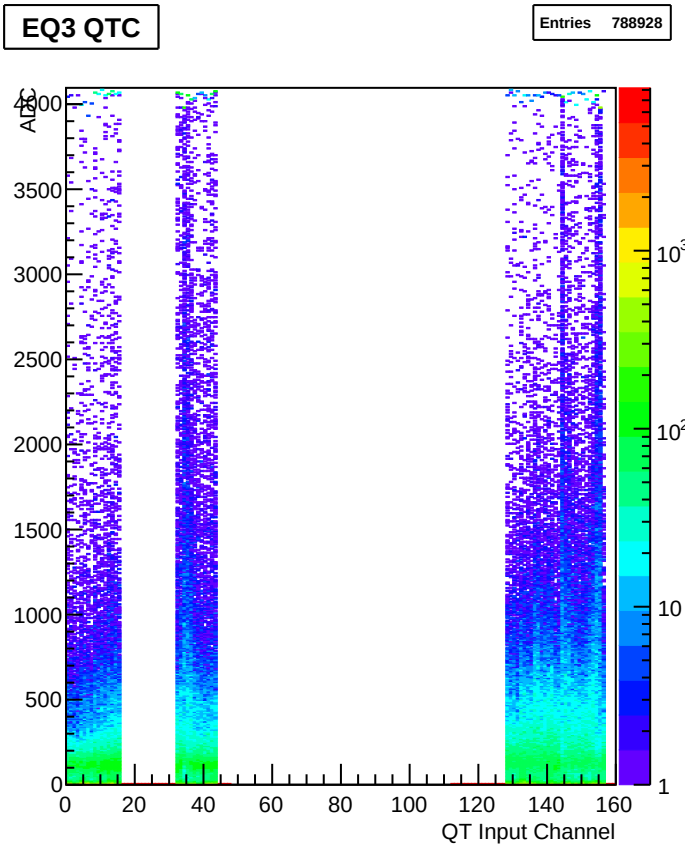

EQ2 QTB
Entries 772154
TDC
QT Input Channel

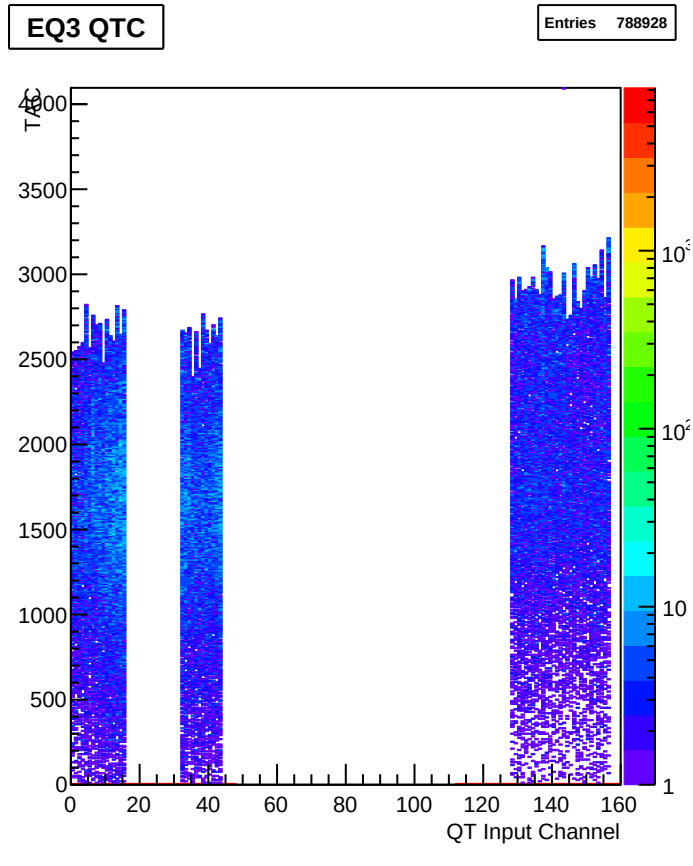

EQ2 QTC
Entries 788928
ADC
QT Input Channel

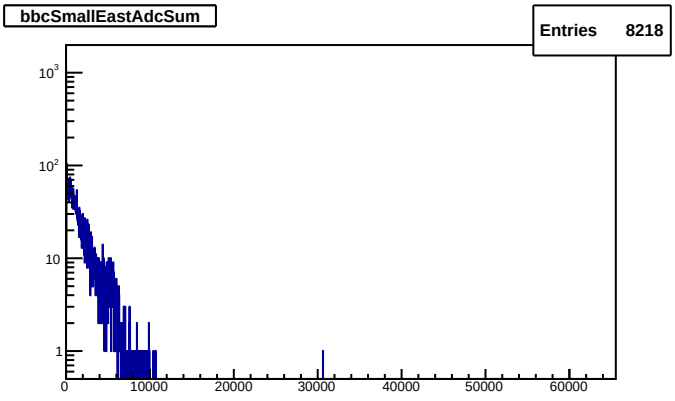

EQ2 QTC
Entries 788928
TADC
QT Input Channel

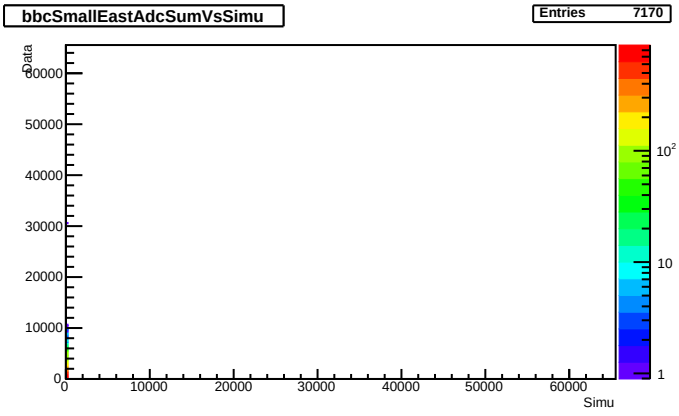

EQ3 QTB
Entries 2103808
ADC
QT Input Channel

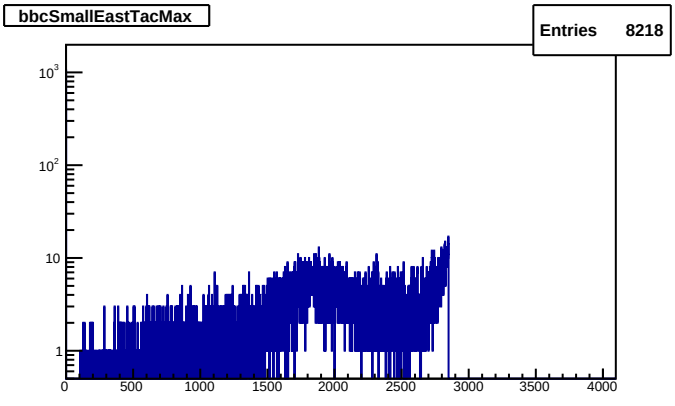

EQ3 QTB
Entries 574074
TDC
QT Input Channel

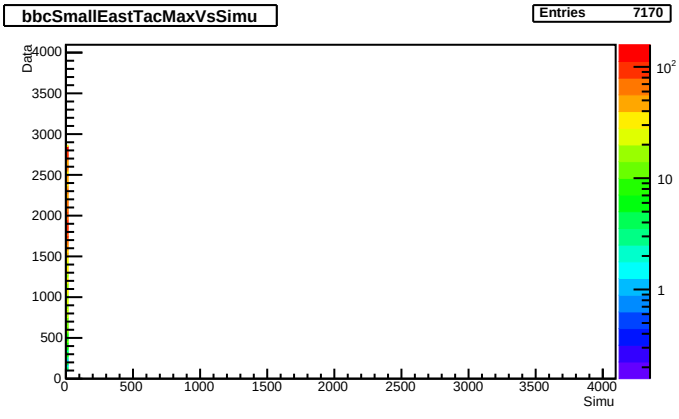

EQ3 QTC
Entries 788928
ADC
QT Input Channel

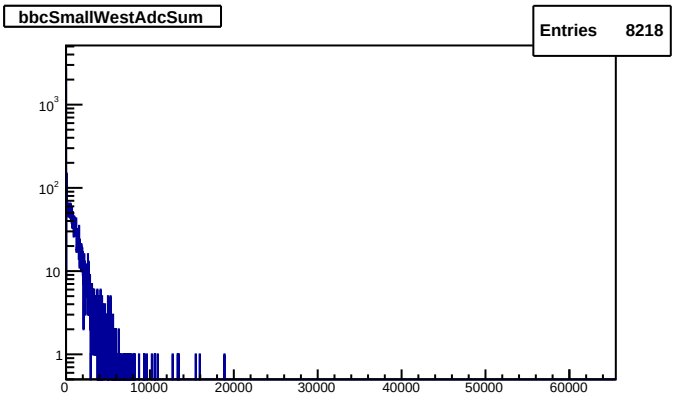

EQ3 QTC
Entries 788928
TADC
QT Input Channel

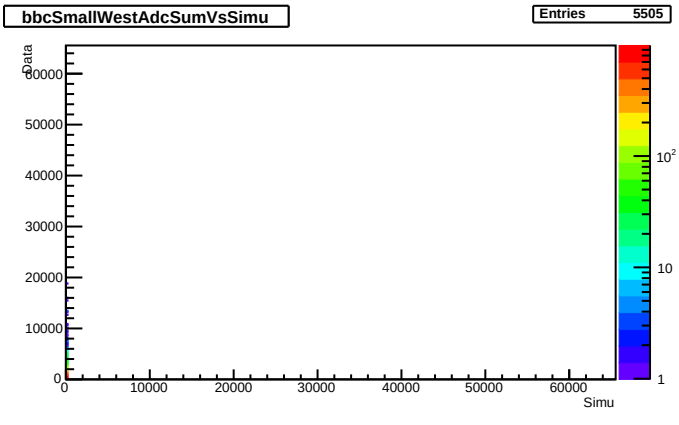

bbcSmallEastAdcSum
Entries 8218

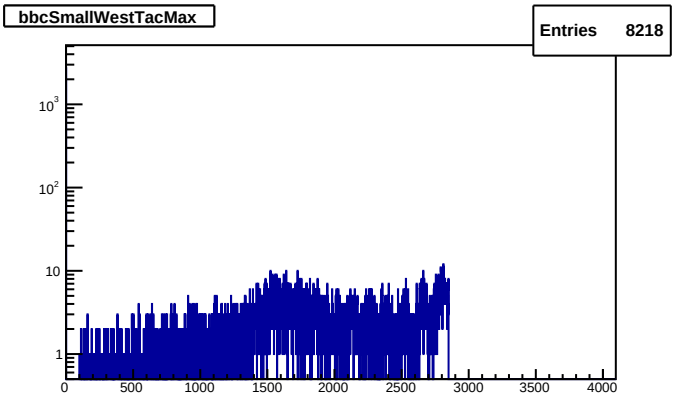

bbcSmallEastAdcSumVsSimu
Entries 7170
Data
Simu

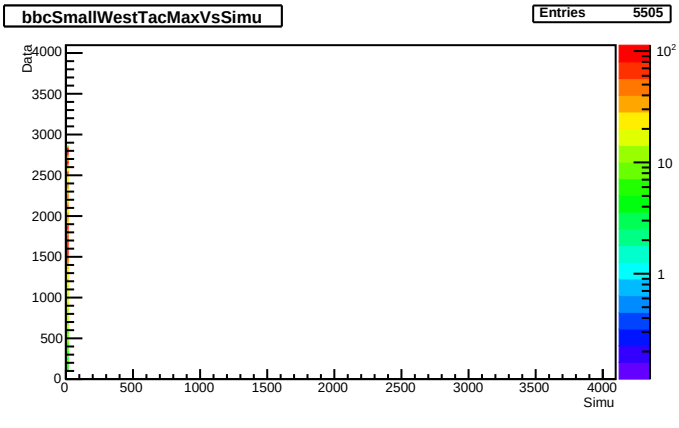

bbcSmallEastTacMax
Entries 8218

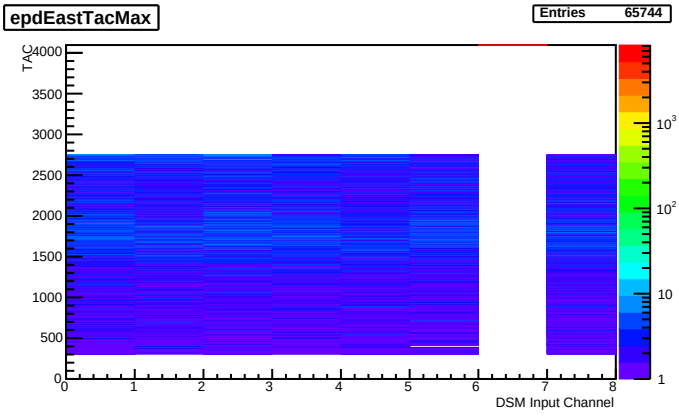

bbcSmallEastTacMaxVsSimu
Entries 7170
Data
Simu

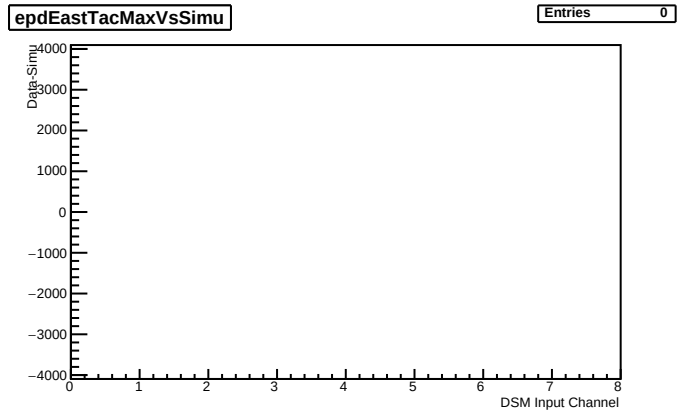

bbcSmallWestAdcSum
Entries 8218

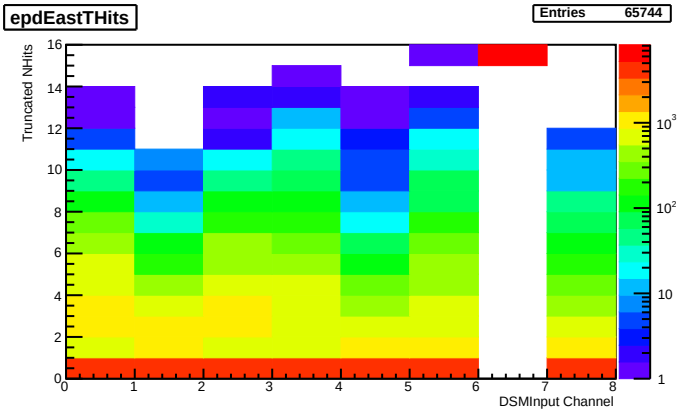

bbcSmallWestAdcSumVsSimu
Entries 5505
Data
Simu

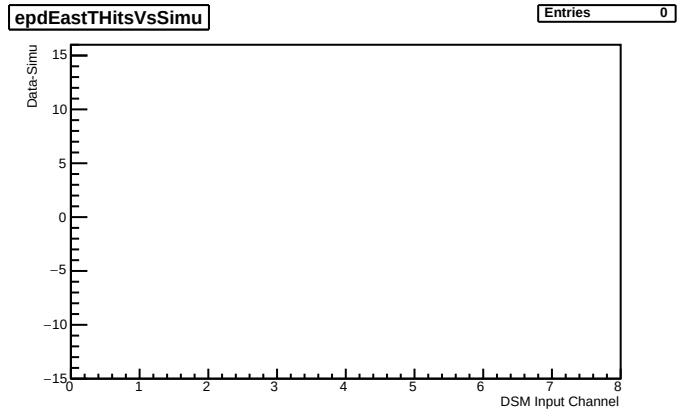

bbcSmallWestTacMax
Entries 8218

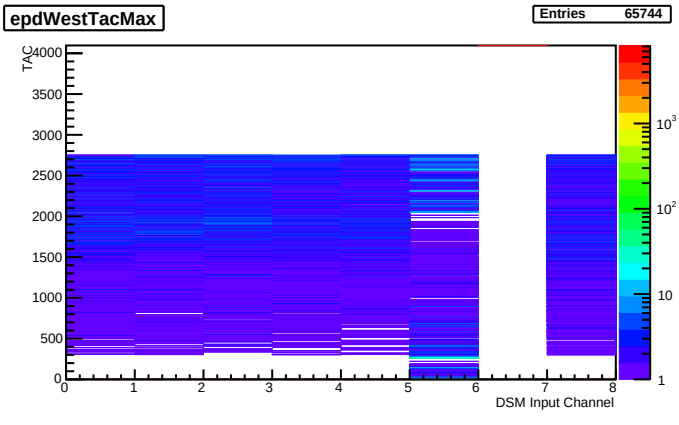

bbcSmallWestTacMaxVsSimu
Entries 5505
Data
Simu

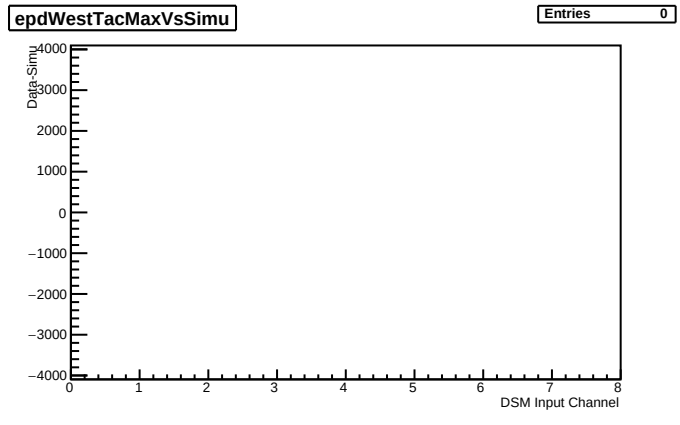

epdEastTacMax
Entries 65744
TAC
DSM Input Channel

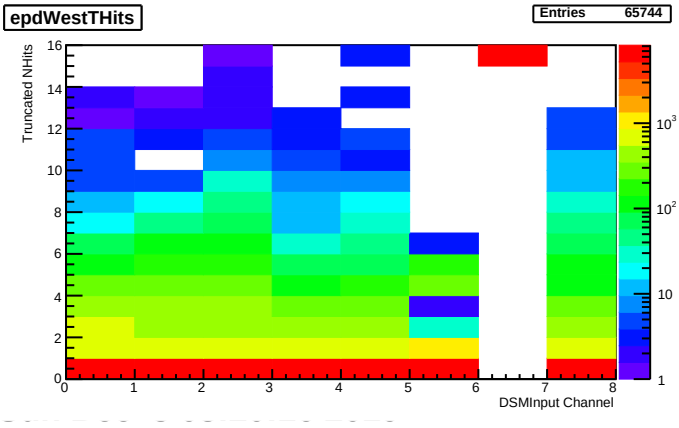

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

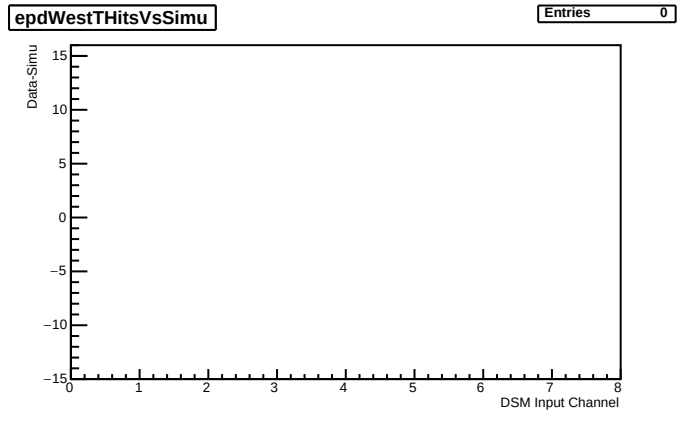

epdEastTHits
Entries 65744
Truncated NHits
DSMInput Channel

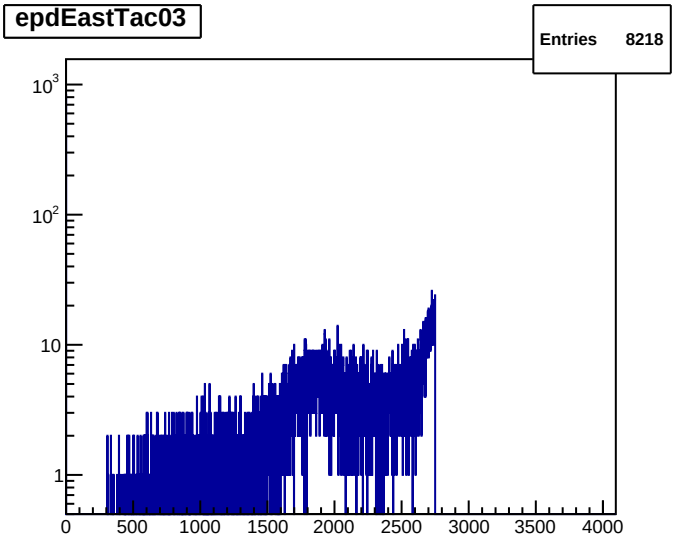

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

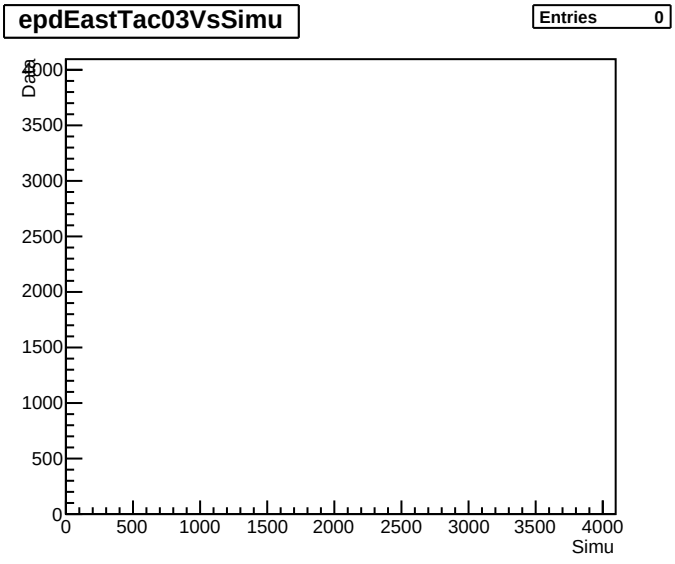

epdWestTacMax
Entries 65744
TAC
DSM Input Channel

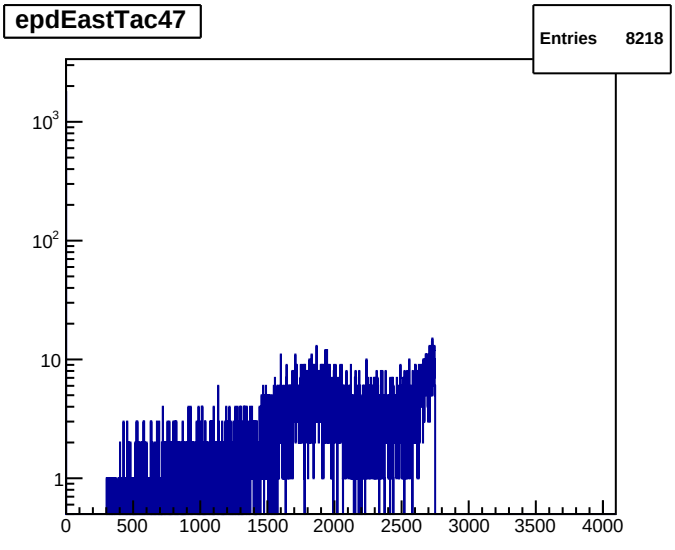

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

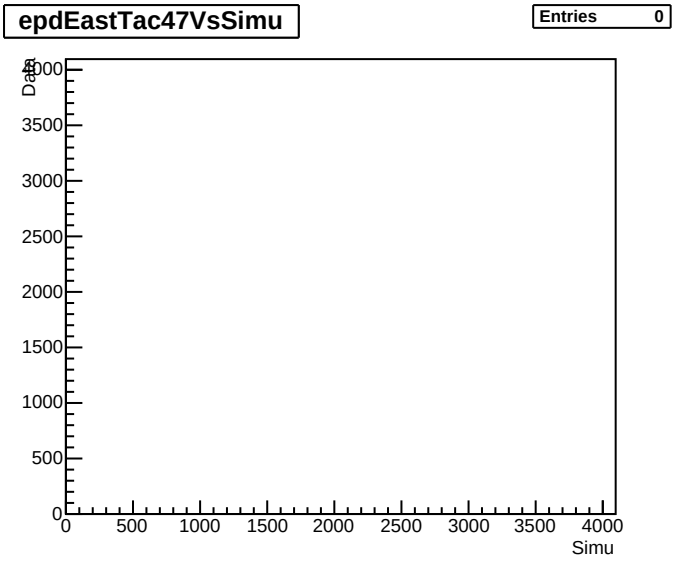

epdWestTHits
Entries 65744
Truncated NHits
DSMInput Channel

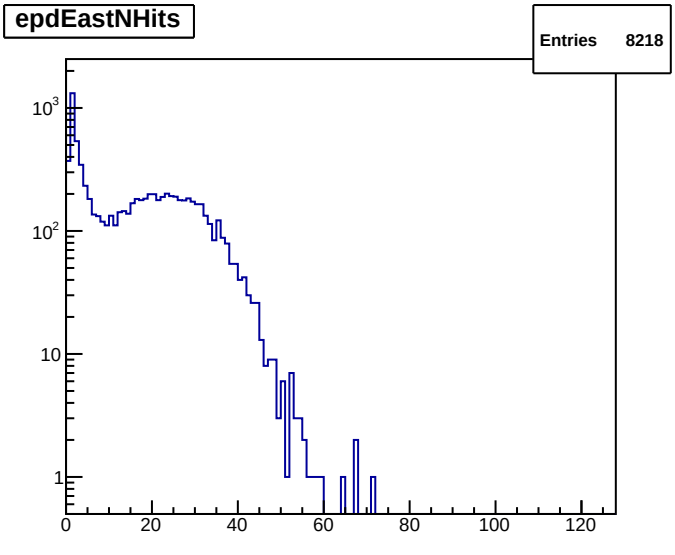

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

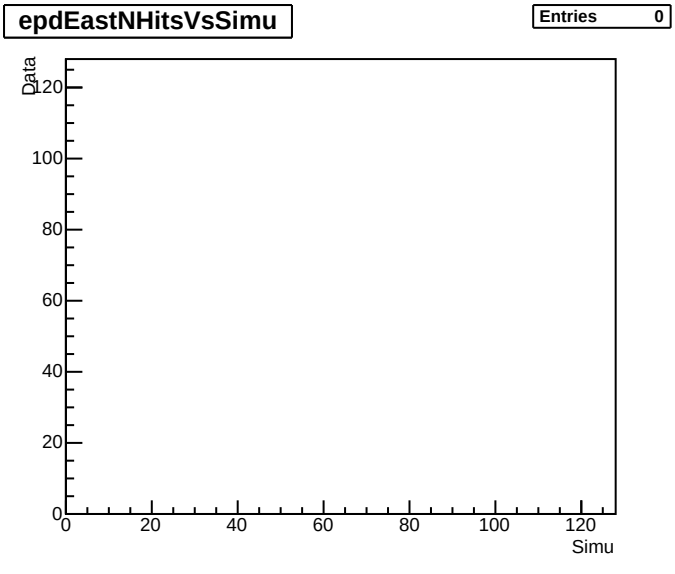

epdEastTac03
Entries 8218

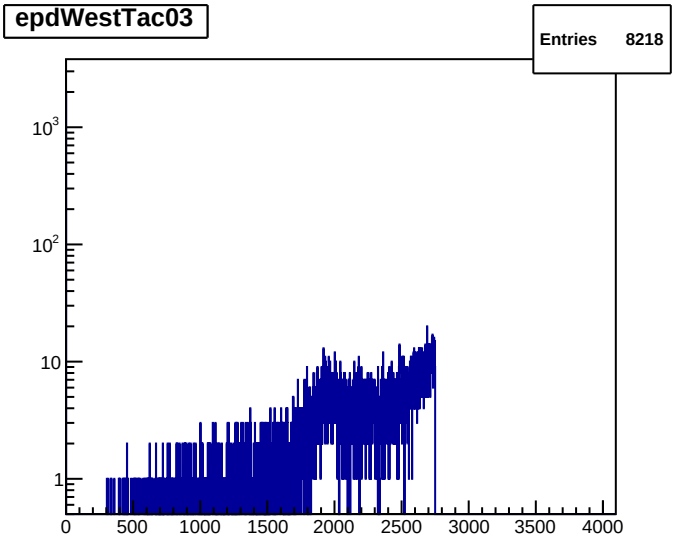

epdEastTac03VsSimu
Entries 0
Data
Simu

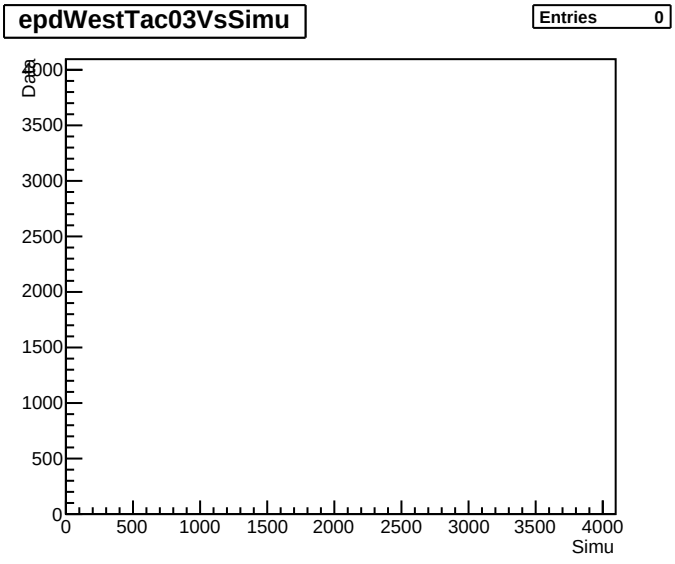

epdEastTac47
Entries 8218

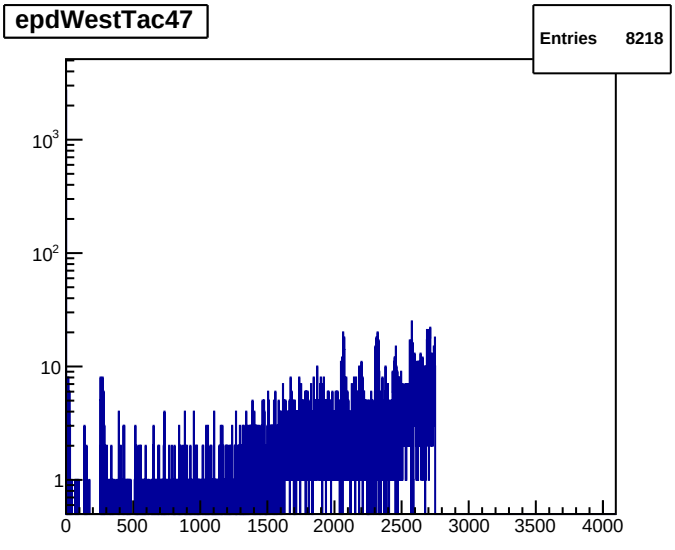

epdEastTac47VsSimu
Entries 0
Data
Simu

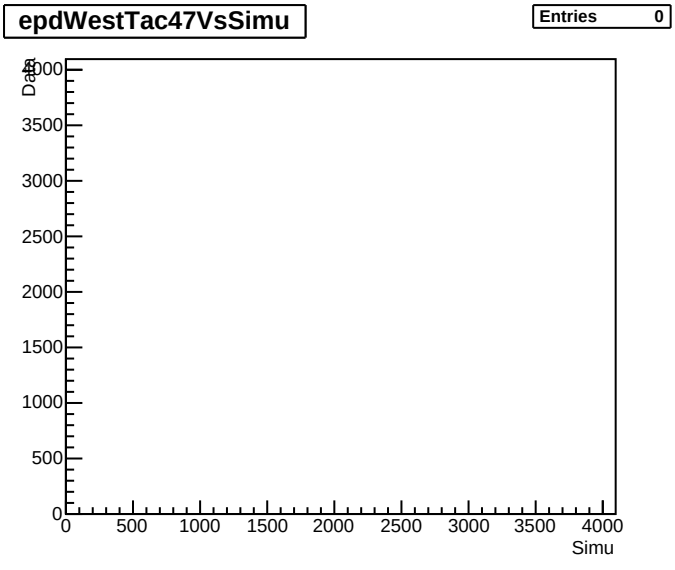

epdEastNHits
Entries 8218


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 8218


epdWestTac03VsSimu
Entries 0
Data
Simu


epdWestTac47
Entries 8218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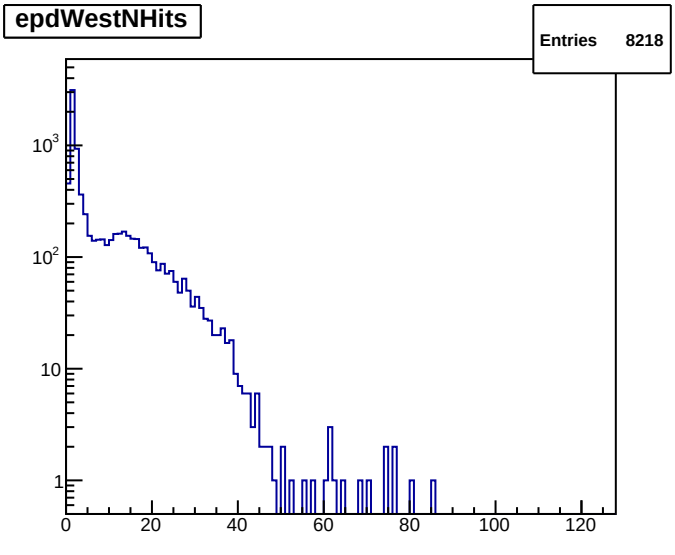
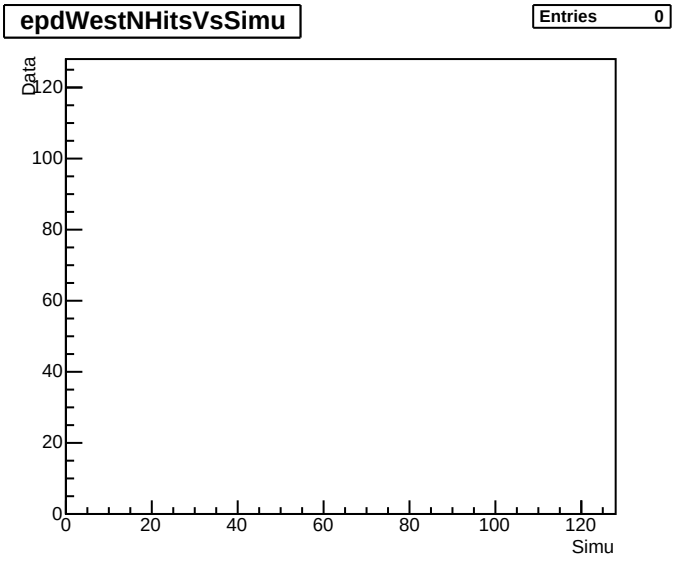
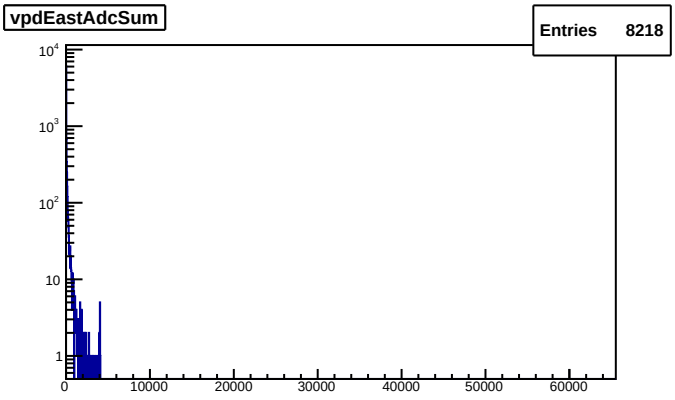
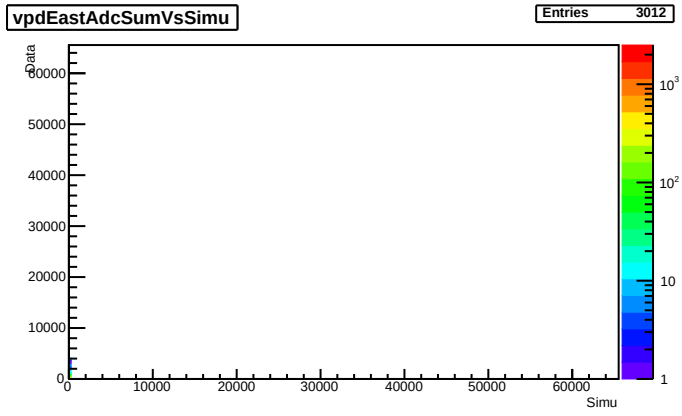
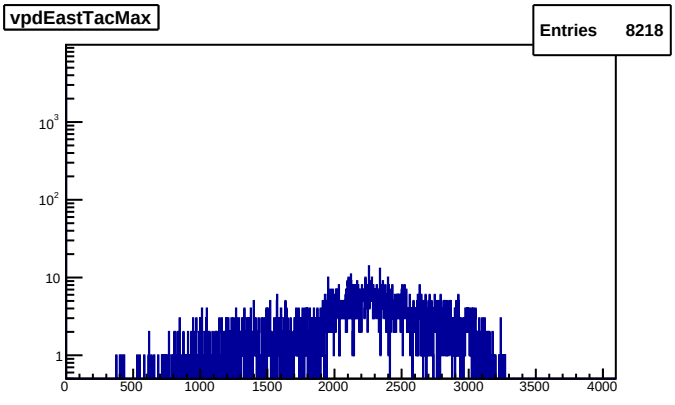
Entries 0
Data
Simu

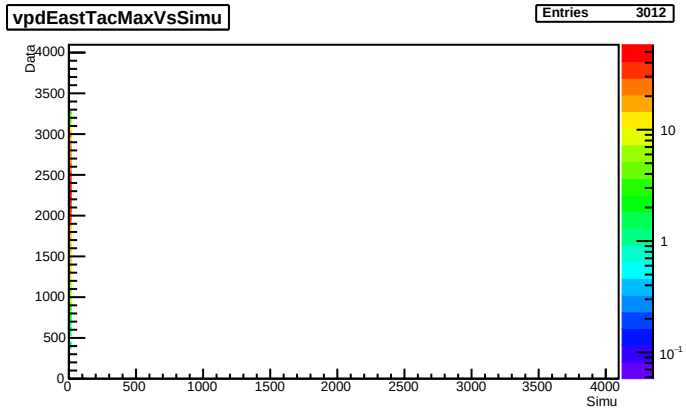

epdWestNHits
Entries 8218

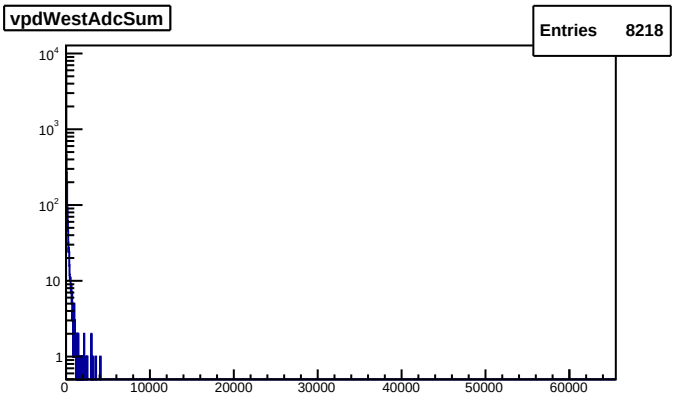

epdWestNHitsVsSimu
Entries 0
Data
Simu

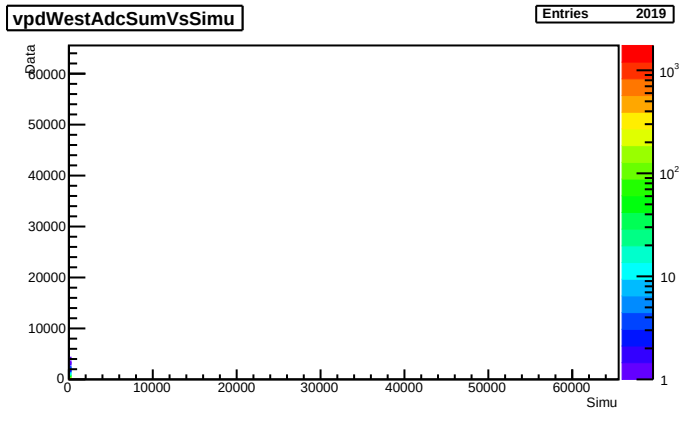

vpdEastAdcSum
Entries 8218

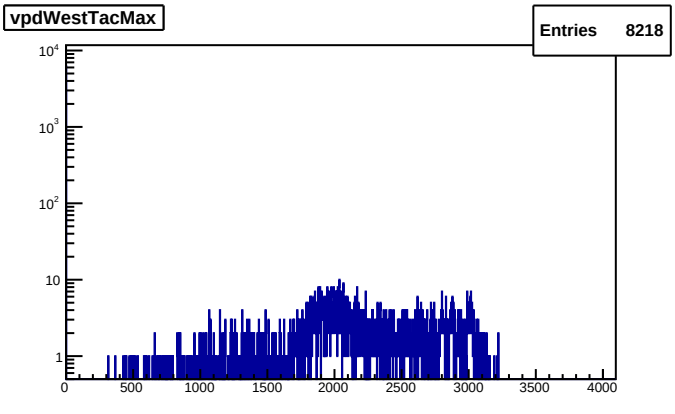

vpdEastAdcSumVsSimu
Entries 3012
Data
Simu

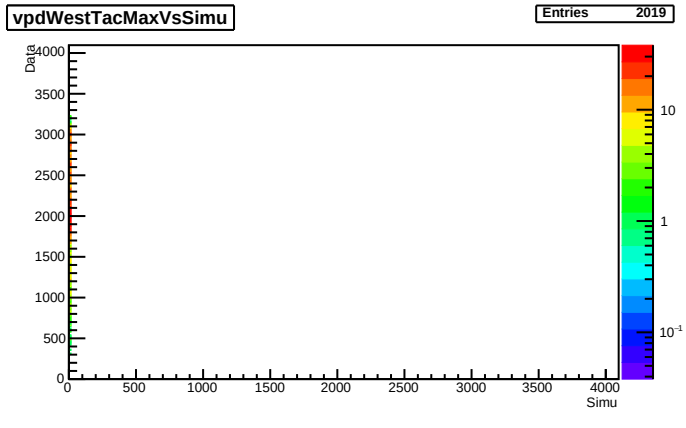

vpdEastTacMax
Entries 8218

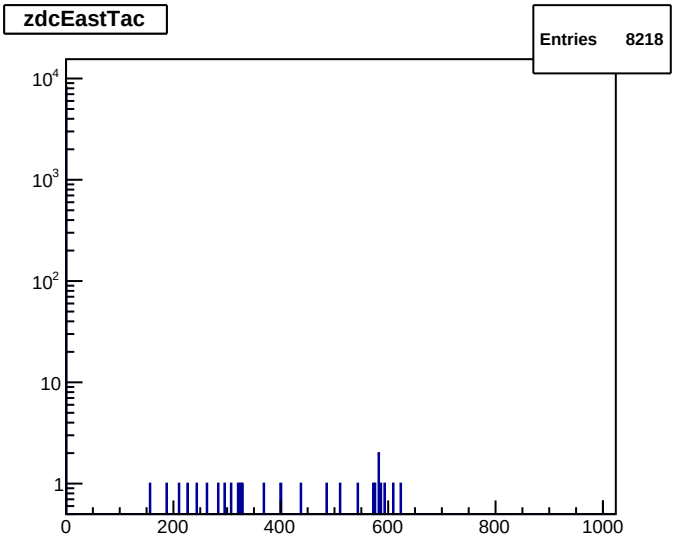

vpdEastTacMaxVsSimu
Entries 3012
Data
Simu

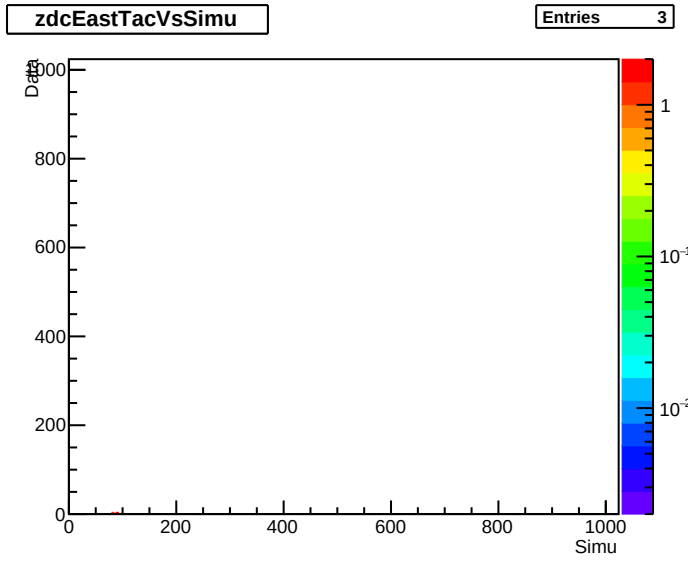

vpdWestAdcSum
Entries 8218

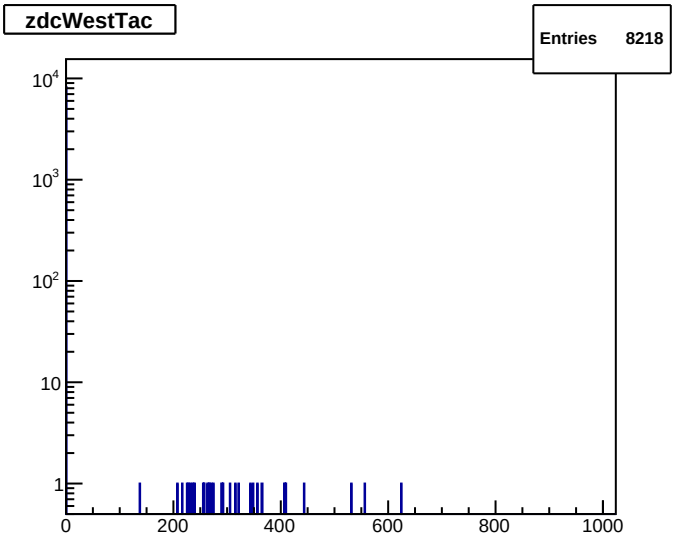

vpdWestAdcSumVsSimu
Entries 2019
Data
Simu

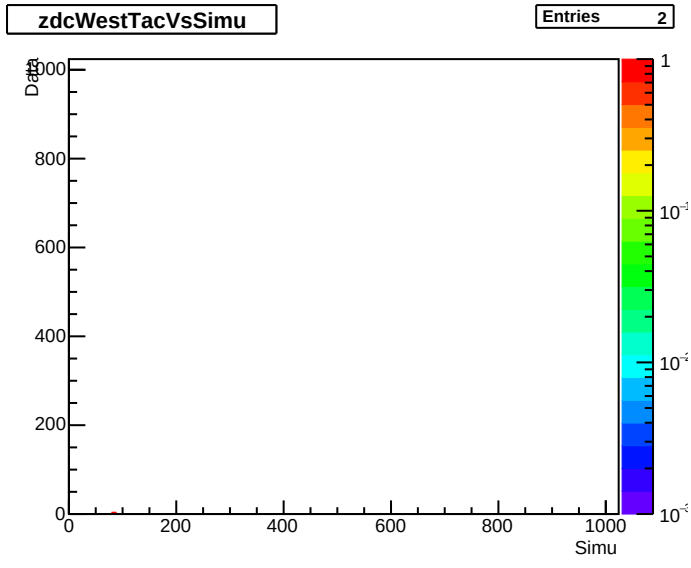

vpdWestTacMax
Entries 8218

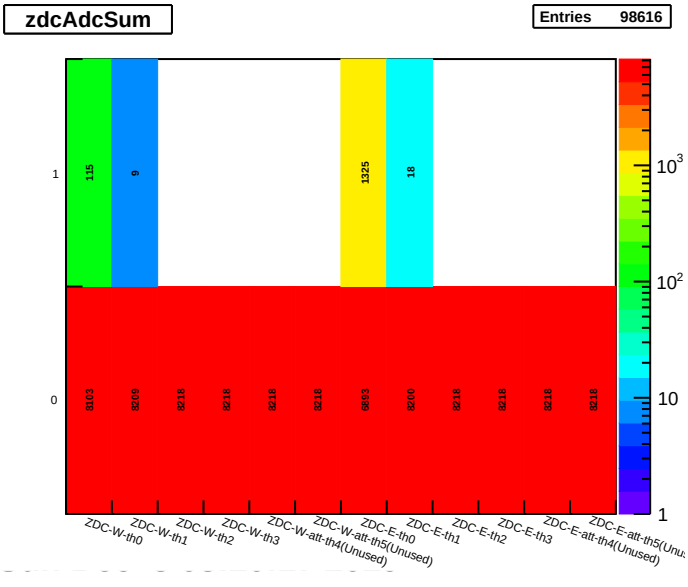

vpdWestTacMaxVsSimu
Entries 2019
Data
Simu

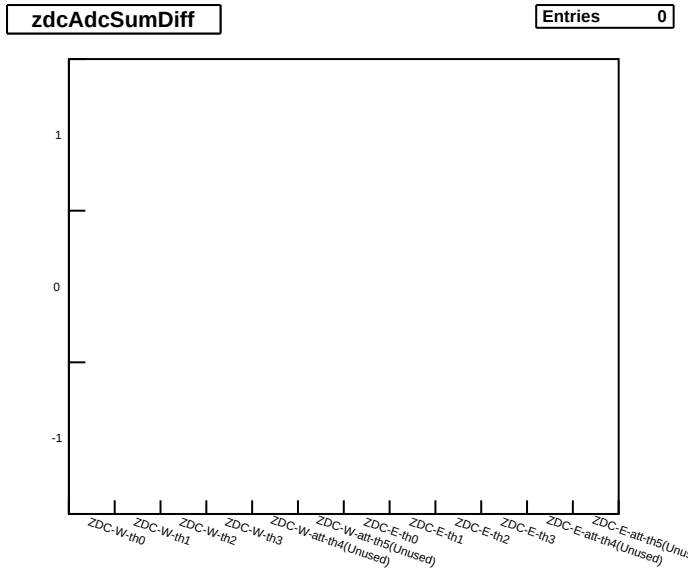

zdcEastTac
Entries 8218

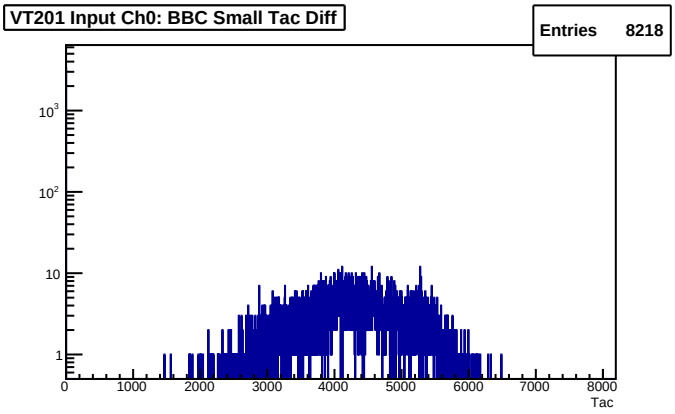

zdcEastTacVsSimu
Entries 3
Data
Simu

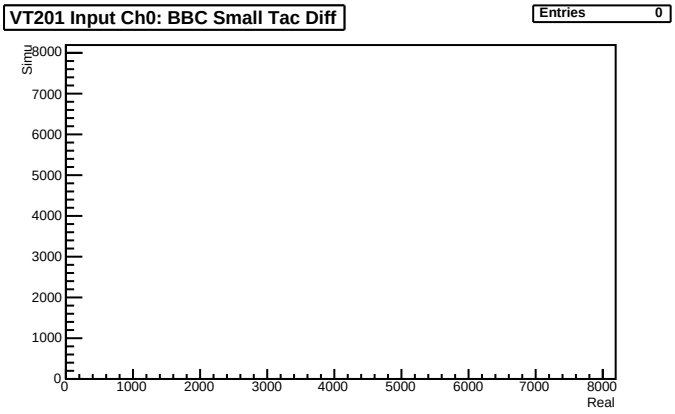

zdcWestTac
Entries 8218

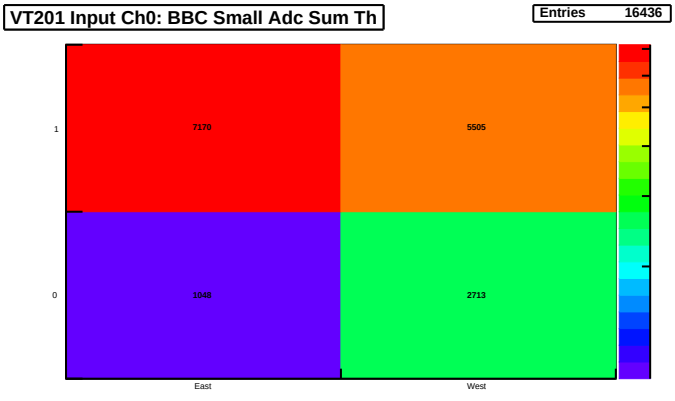

zdcWestTacVsSimu
Entries 2
Data
Simu

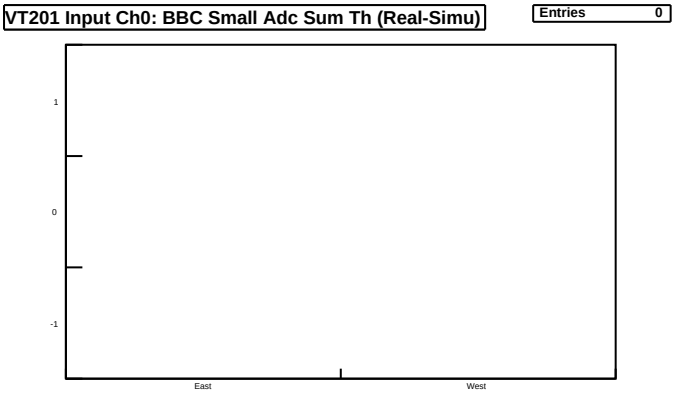

zdcAdcSum
Entries 98616
115
9
1325
18
8103
8209
8218
8218
8218
8218
6893
8200
8218
8218
8218
8218
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

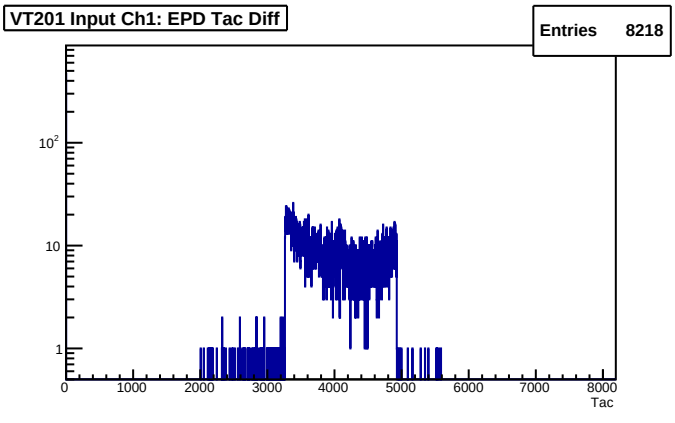

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

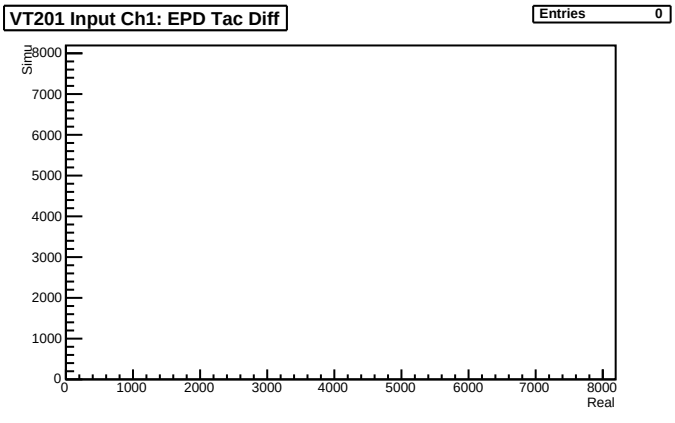

VT201 Input Ch0: BBC Small Tac Diff
Entries 8218
Tac

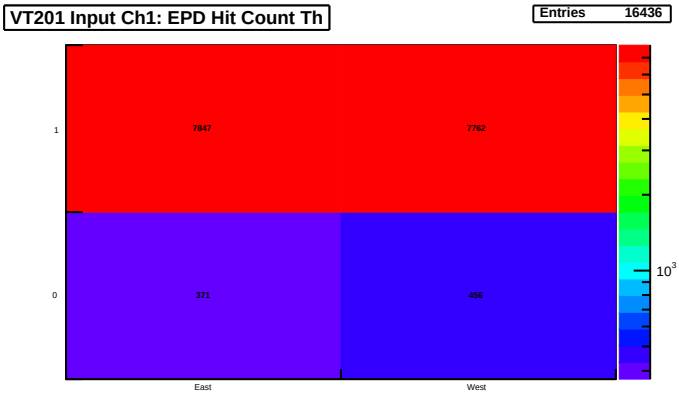

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

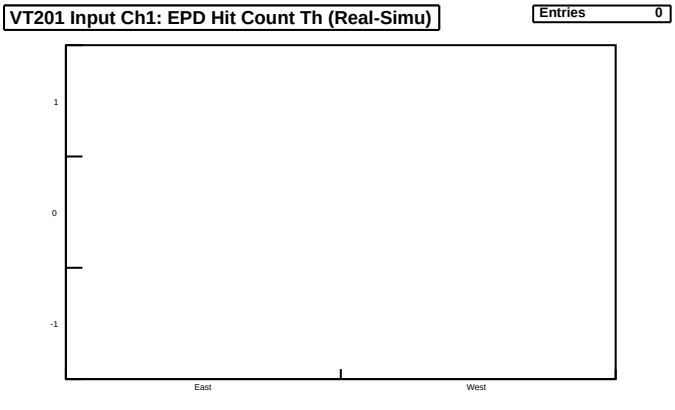

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 16436
7170
5505
1048
2713
East
West

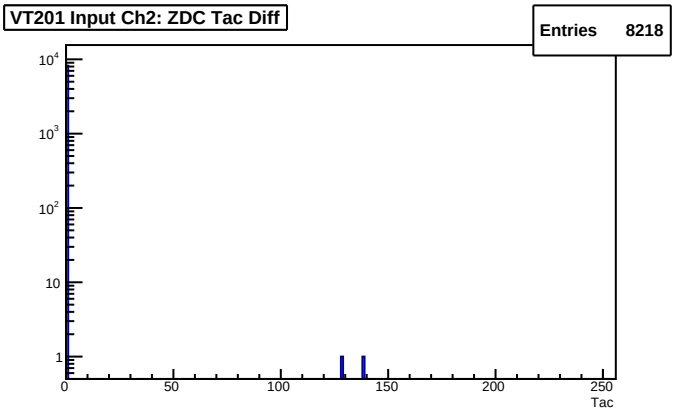

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

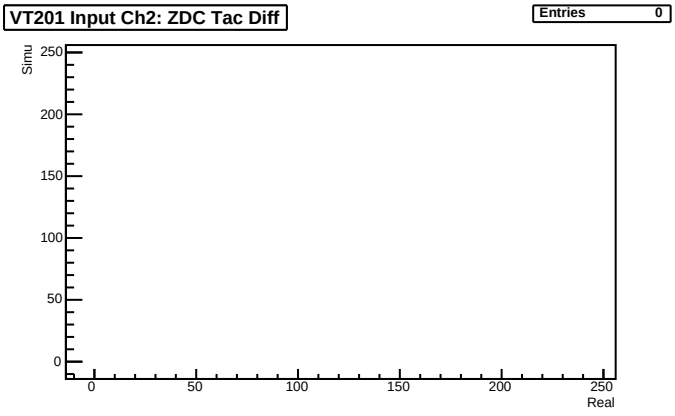

VT201 Input Ch1: EPD Tac Diff
Entries 8218
Tac

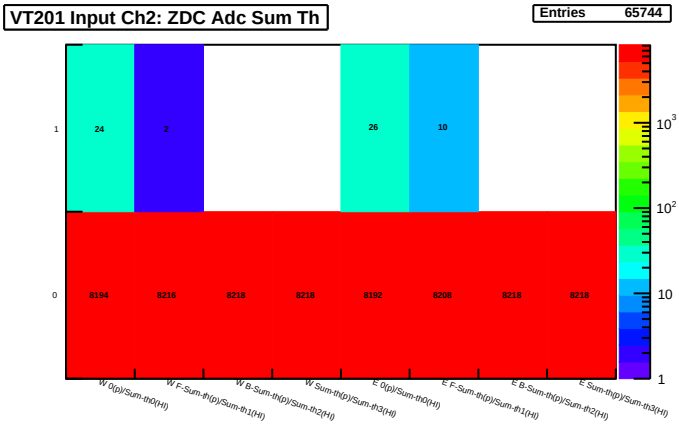

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

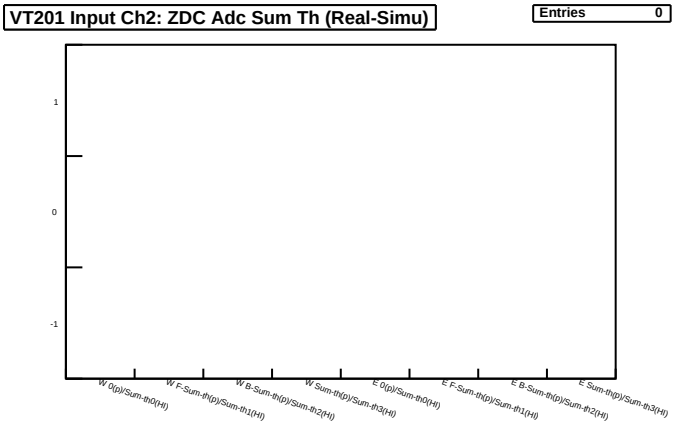

VT201 Input Ch1: EPD Hit Count Th
Entries 16436
7847
7762
371
456
East
West

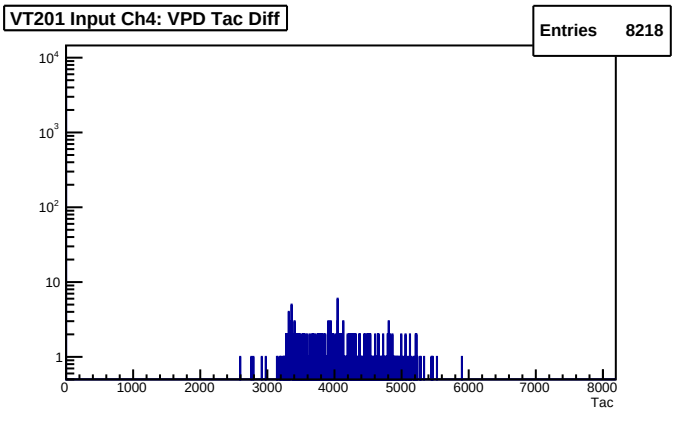

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

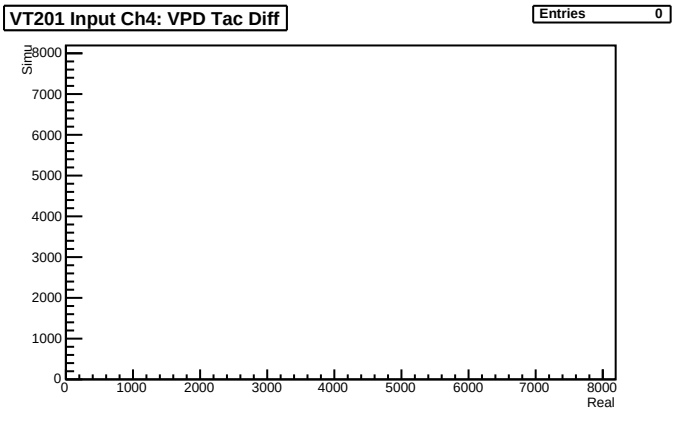

VT201 Input Ch2: ZDC Tac Diff
Entries 8218
Tac

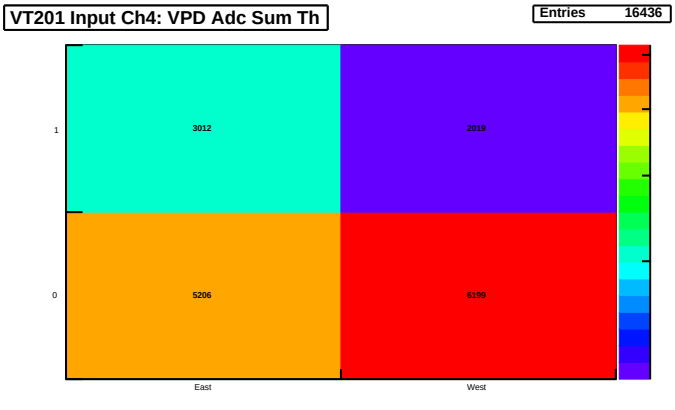

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

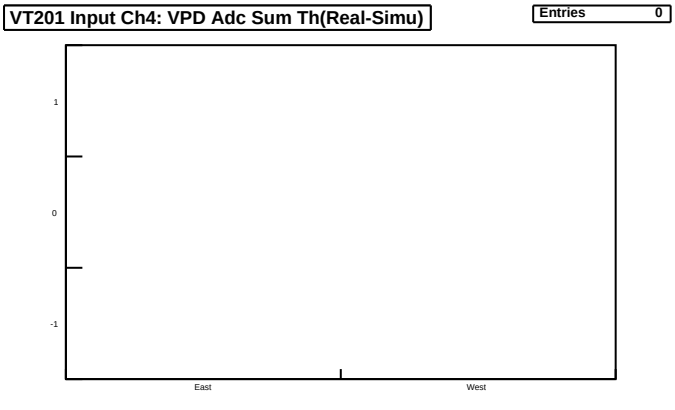

VT201 Input Ch2: ZDC Adc Sum Th
Entries 65744
24
2
26
10
8194
8216
8218
8218
8192
8208
8218
8218
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

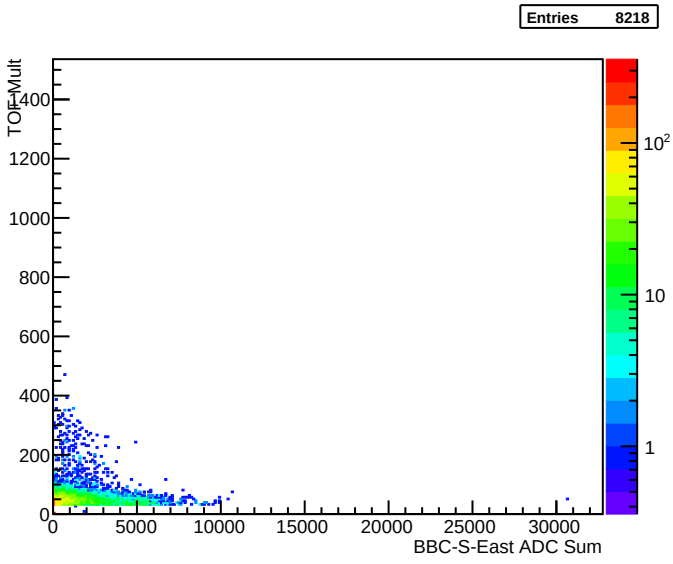

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

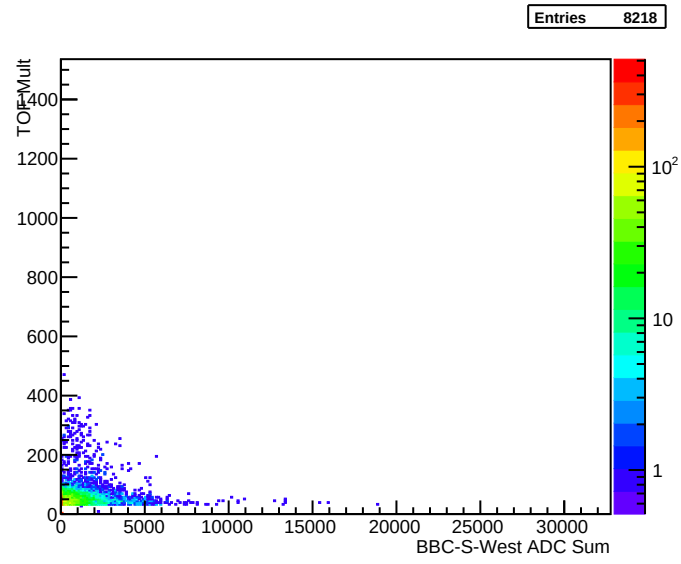

VT201 Input Ch4: VPD Tac Diff
Entries 8218
Tac

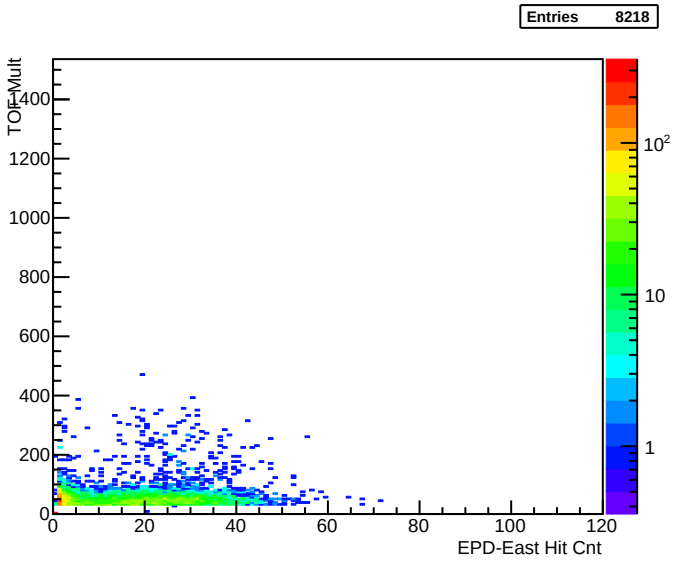

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

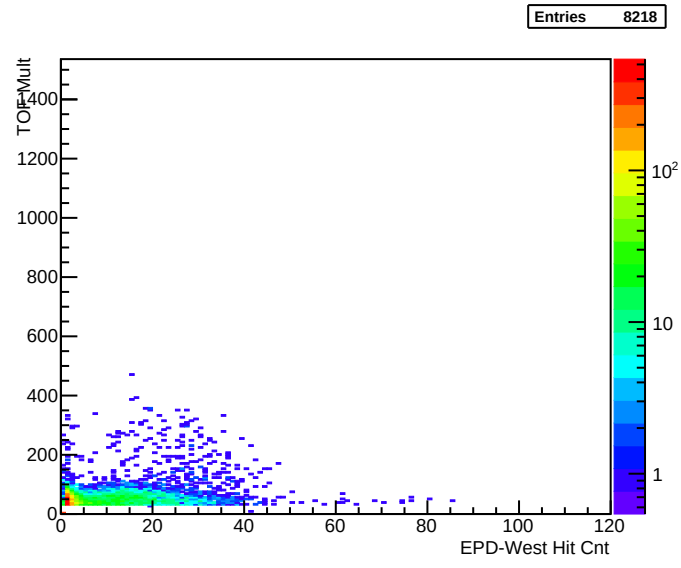

VT201 Input Ch4: VPD Adc Sum Th
Entries 16436
3012
2019
5206
6199
East
West

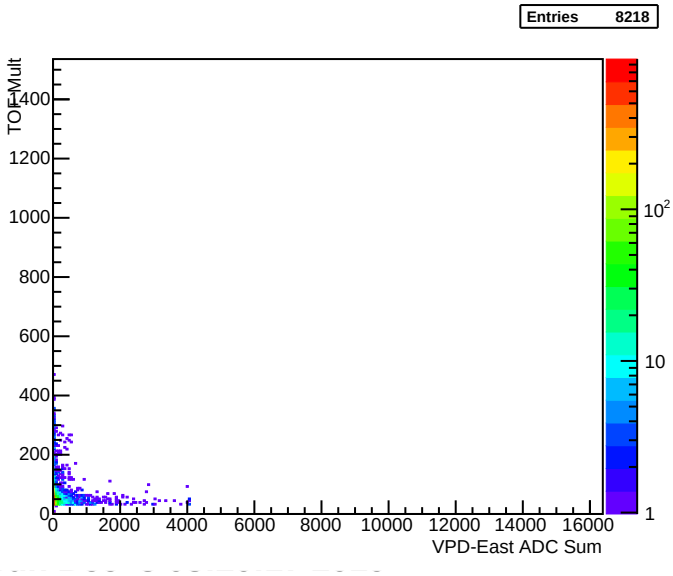

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

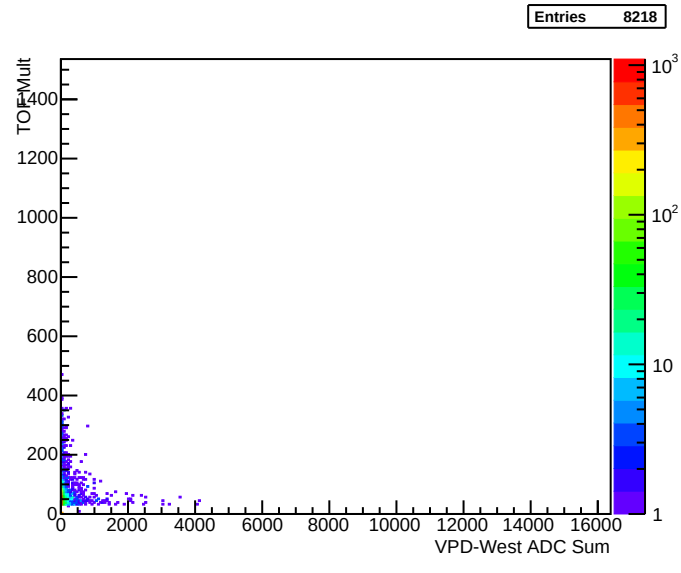

Entries 8218
TOF-Mult
BBC-S-East ADC Sum

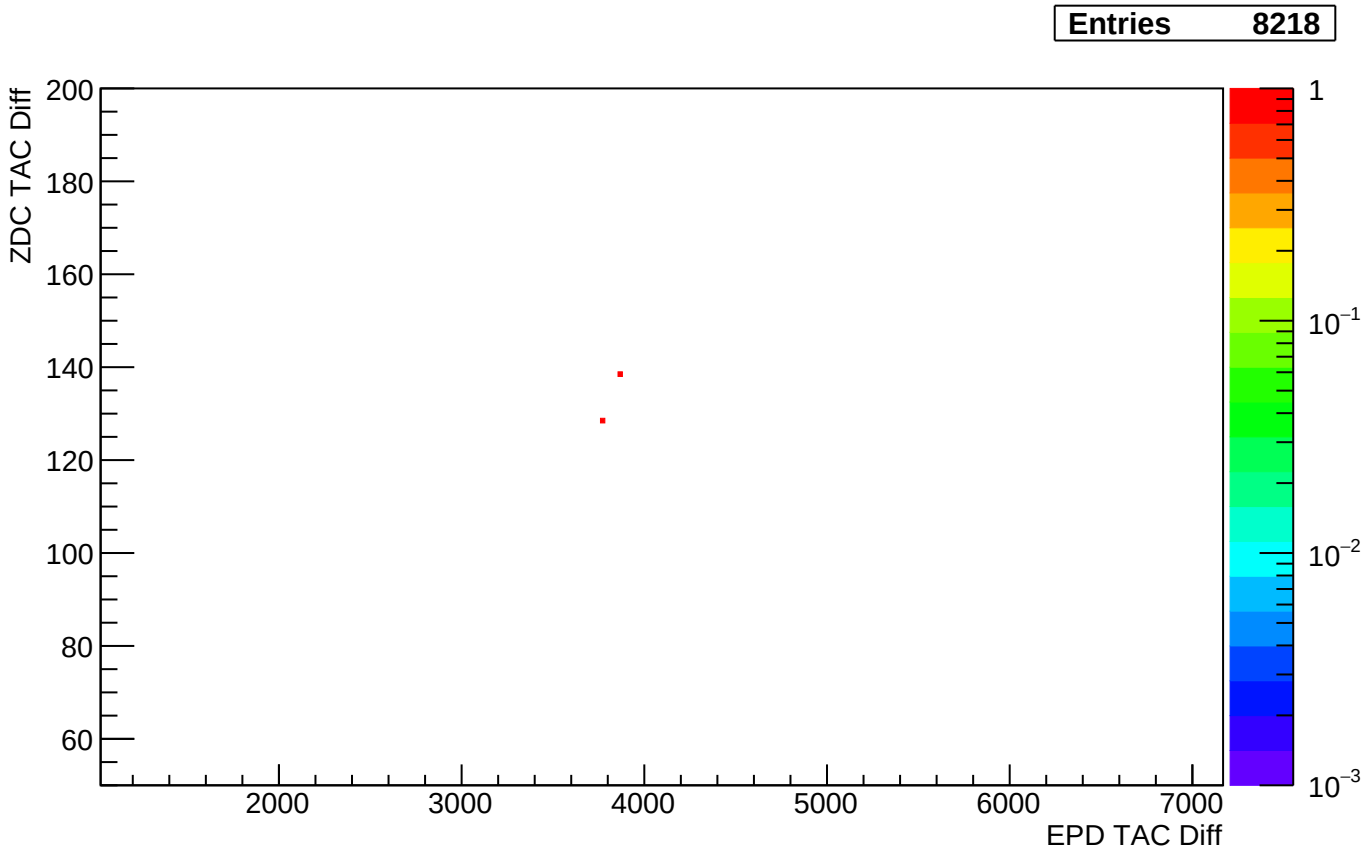

Entries 8218
TOF-Mult
BBC-S-West ADC Sum

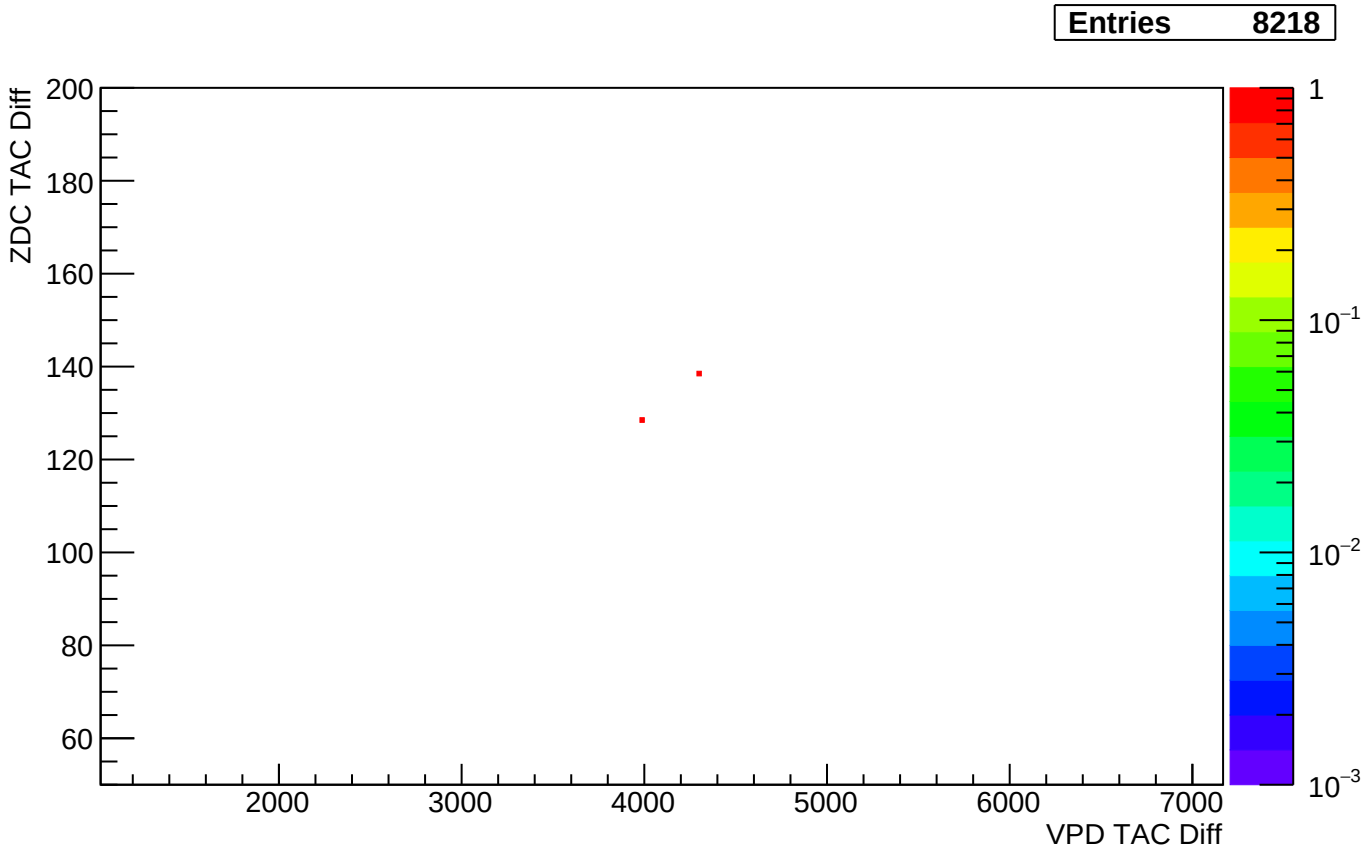

Entries 8218
TOF-Mult
EPD-East Hit Cnt

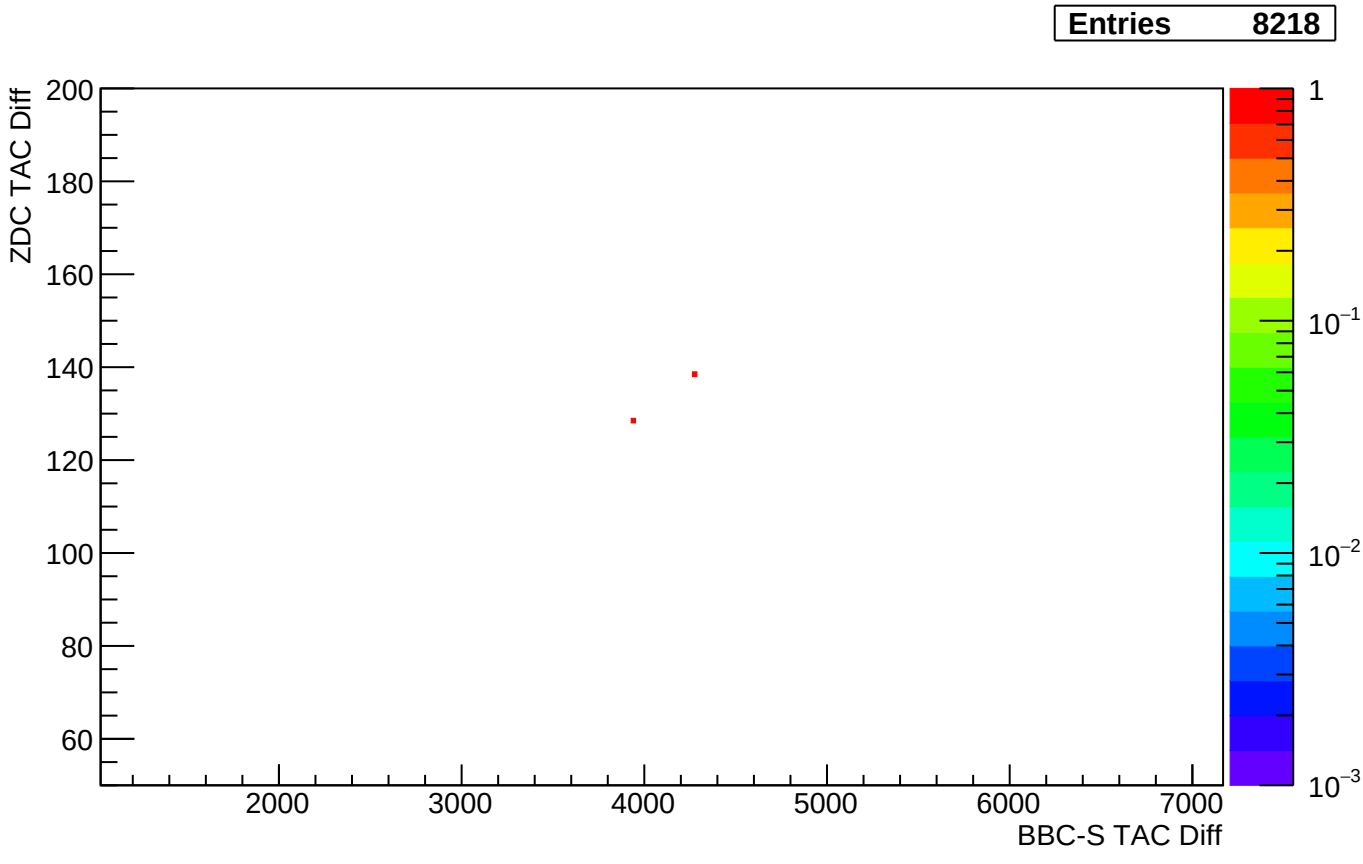

Entries 8218
TOF-Mult
EPD-West Hit Cnt

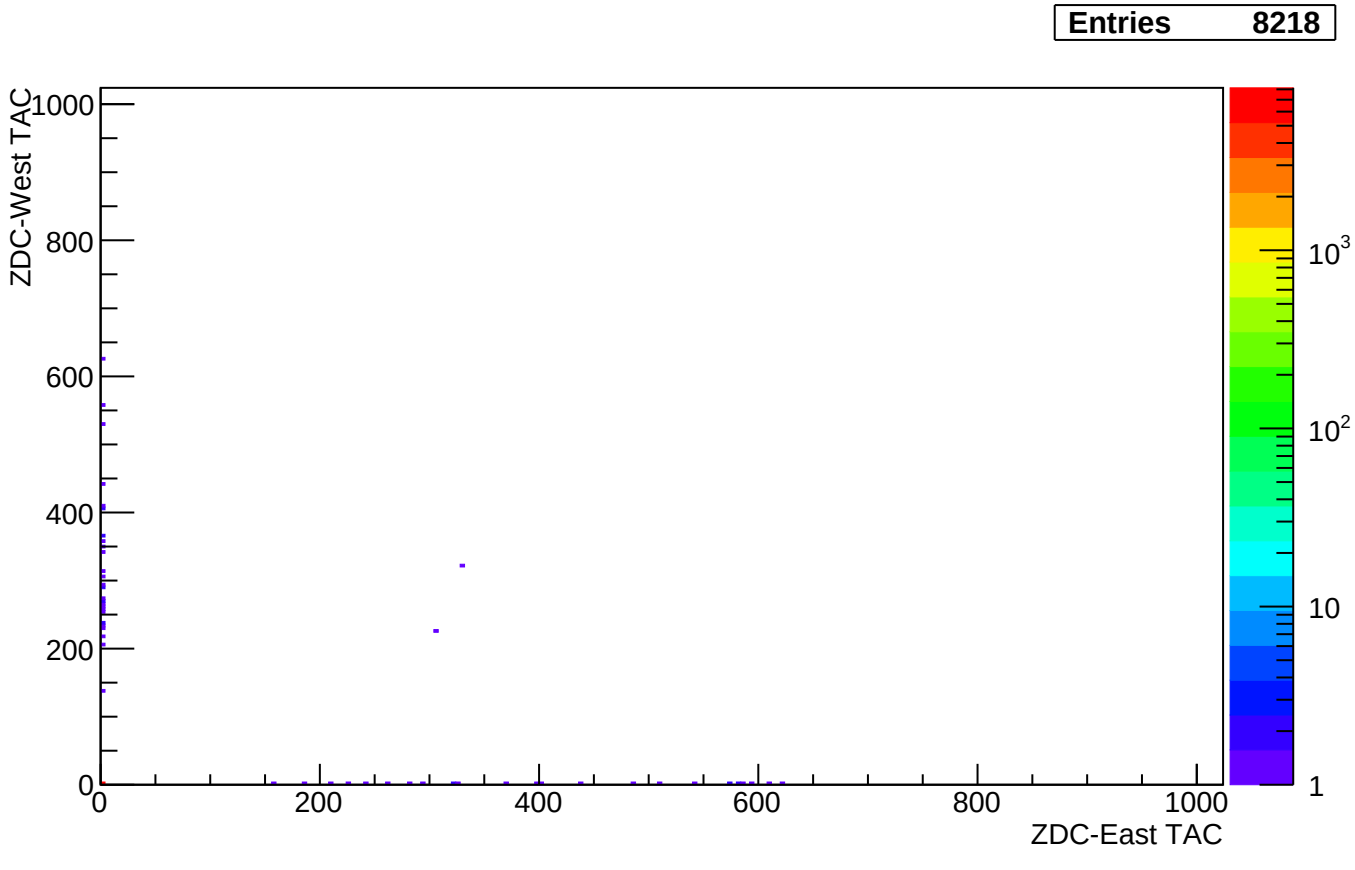

Entries 8218
TOF-Mult
VPD-East ADC Sum

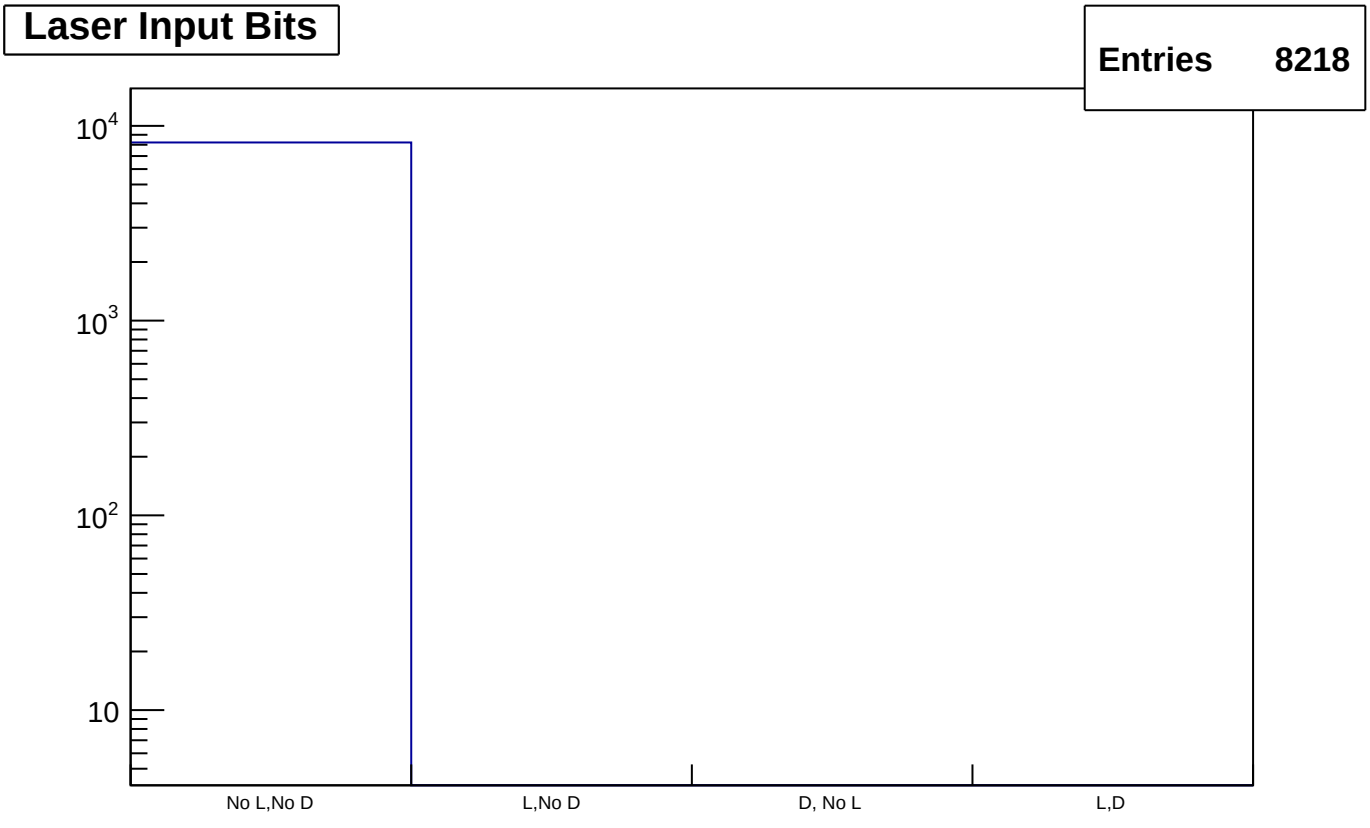

Entries 8218
TOF-Mult
VPD-West ADC Sum

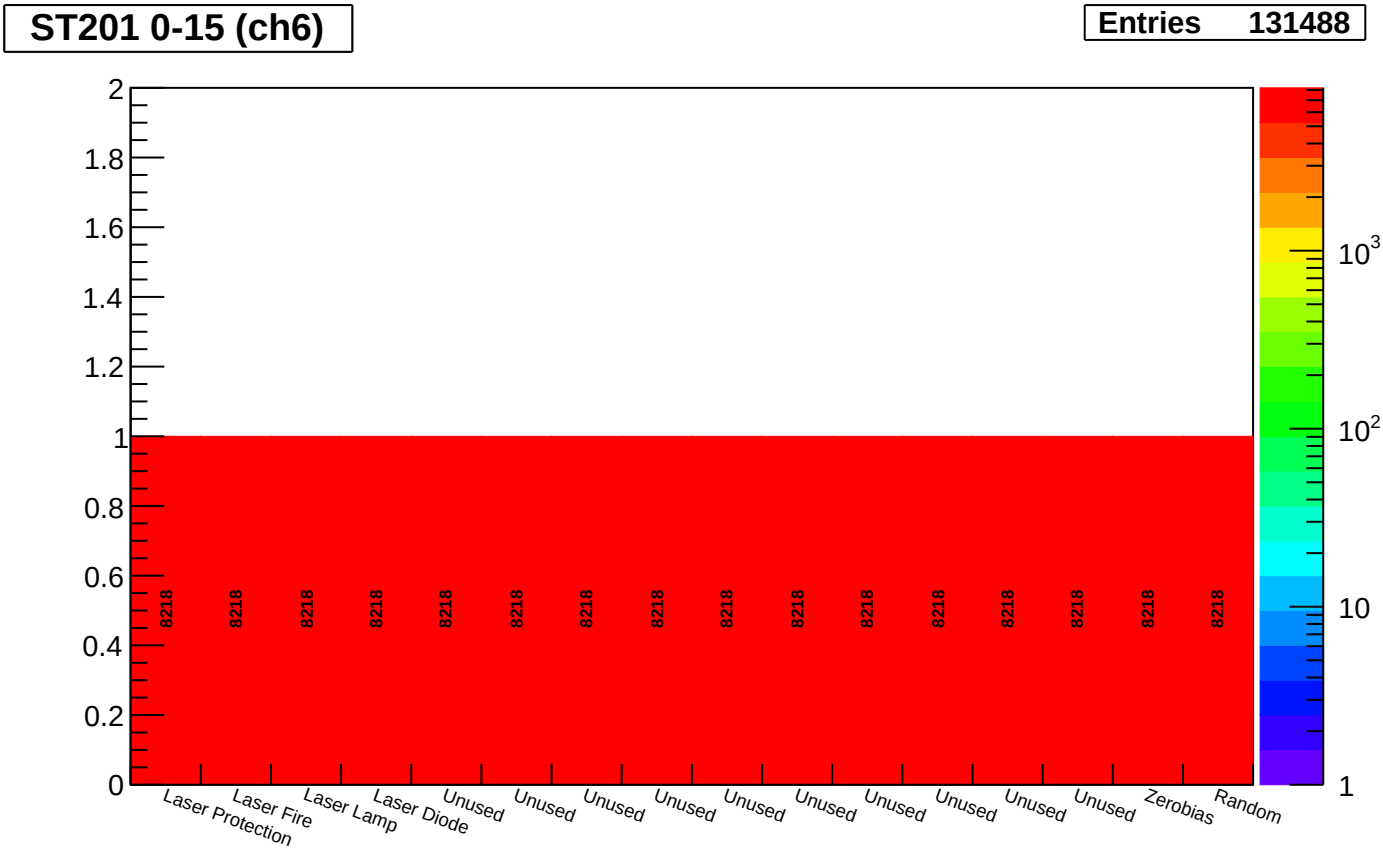

Entries 8218
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

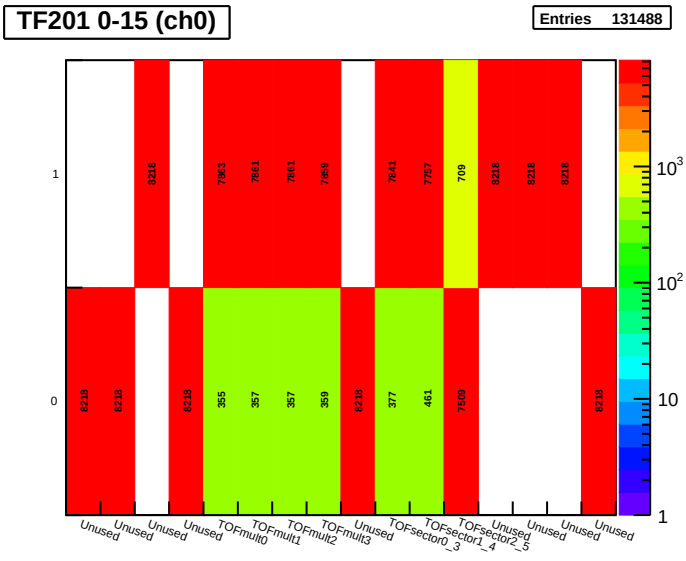

Entries 8218
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

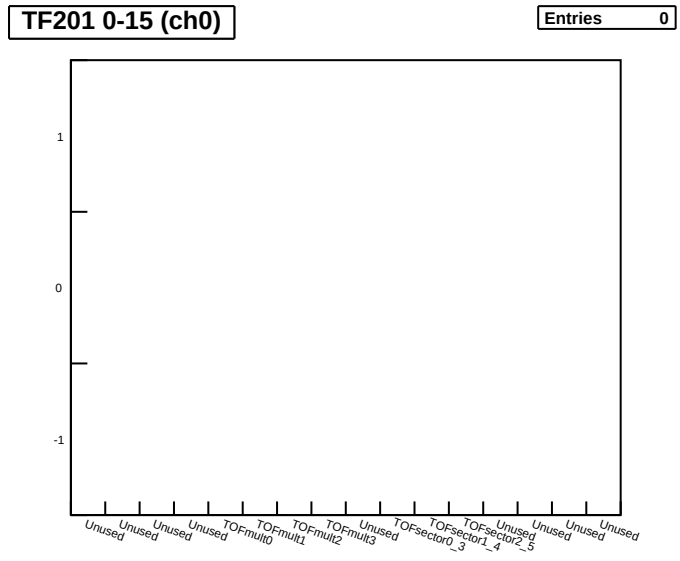

Entries 8218
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

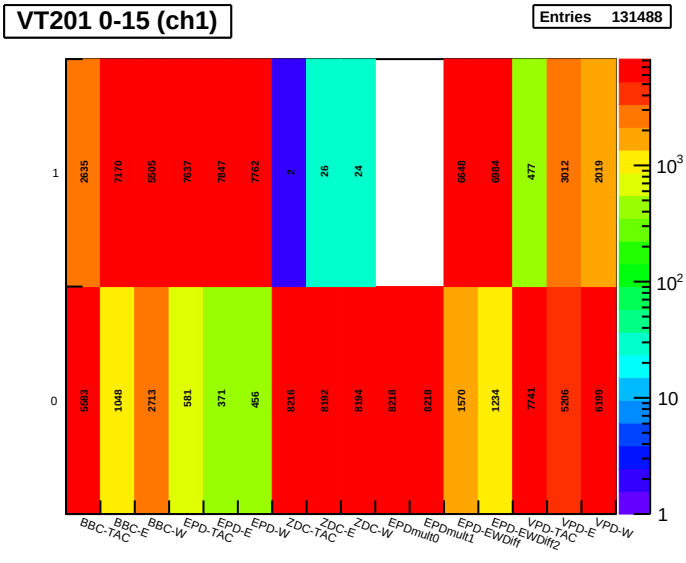

Entries 8218
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

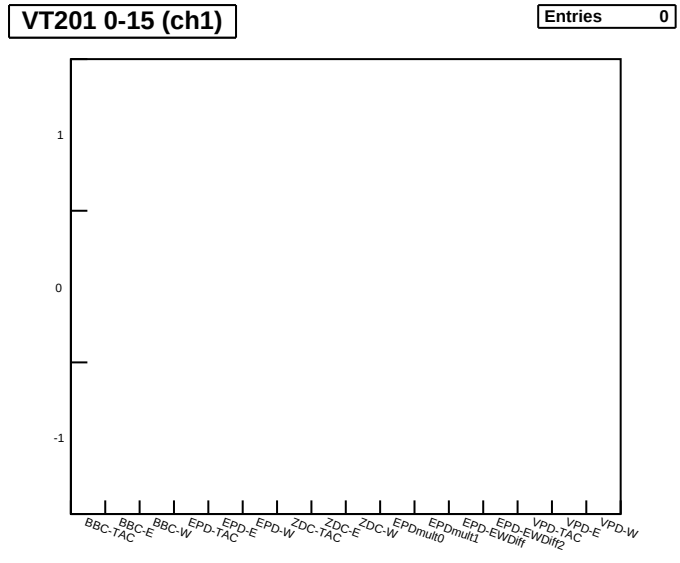

Laser Input Bits
Entries 8218
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

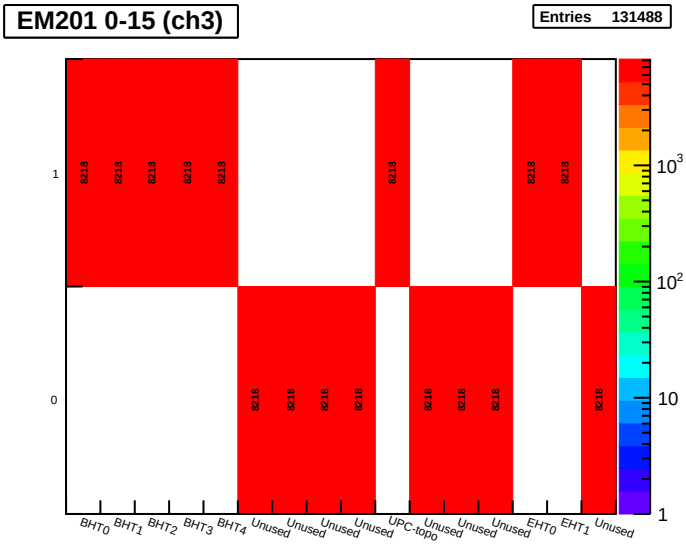

ST201 0-15 (ch6)
Entries 131488
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8218
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

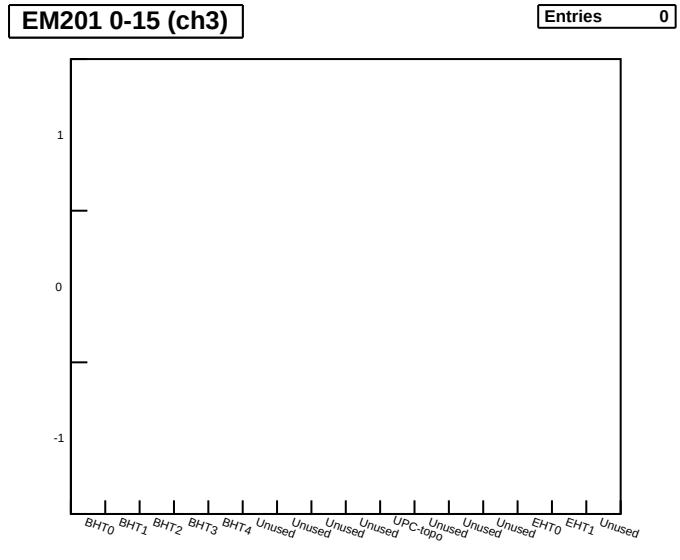

TF201 0-15 (ch0)
Entries 131488
1
0
8218
7863
7861
7861
7859
7841
7757
709
8218
8218
8218
8218
8218
8218
355
357
357
359
8218
377
461
7509
8218
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^3
10^2
10
1


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 131488
1
0
2635
7170
5505
7637
7847
7762
2
26
24
6648
6984
477
3012
2019
5583
1048
2713
581
371
456
8216
8192
8194
8218
8218
1570
1234
7741
5206
6199
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
10^3
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 131488
1
0
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
8218
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
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