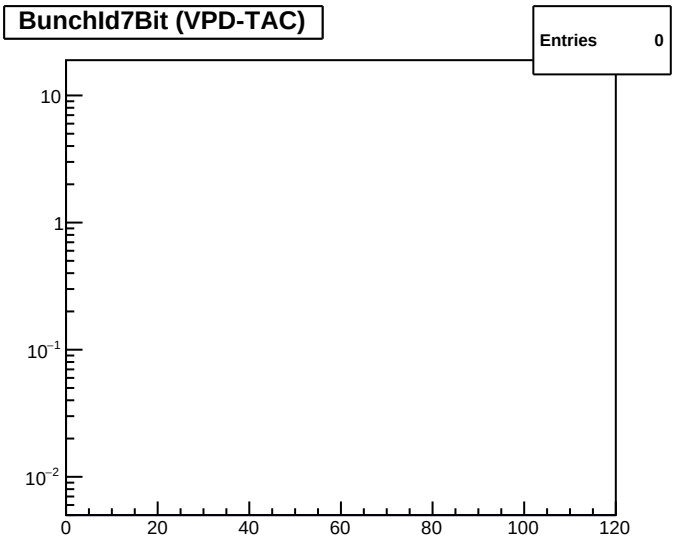
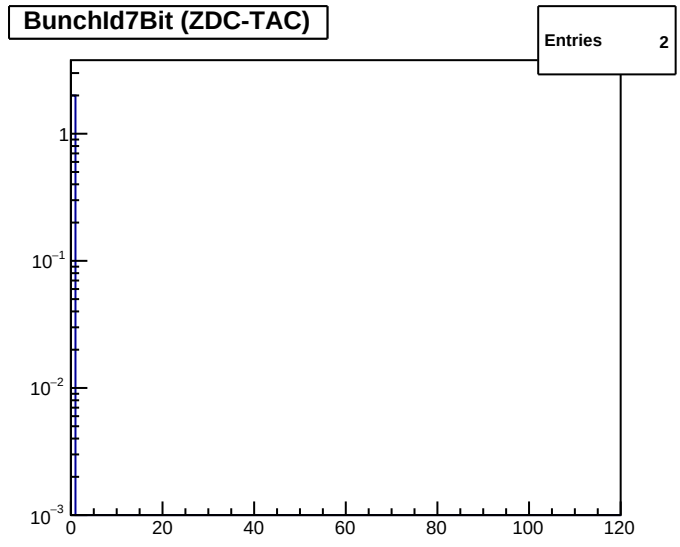
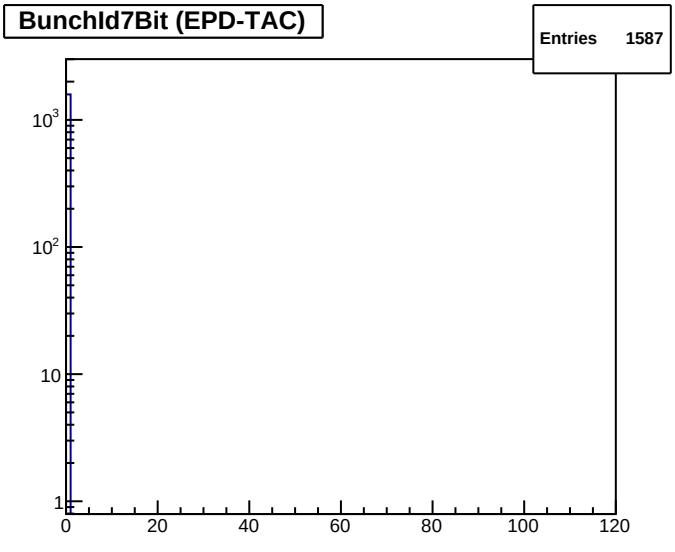
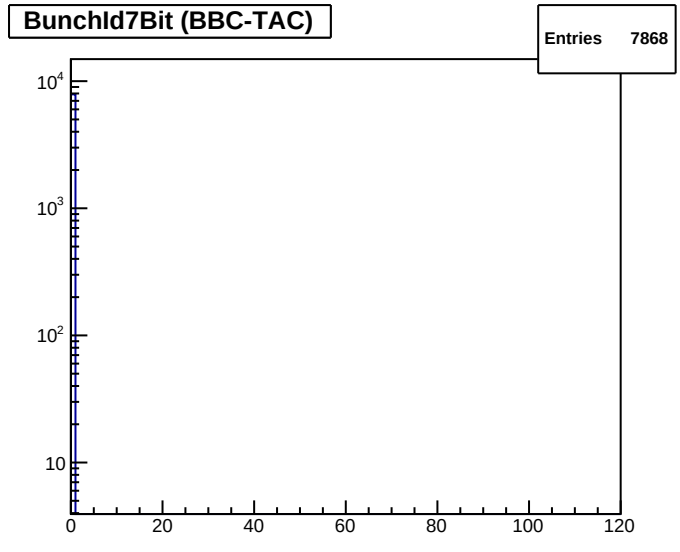
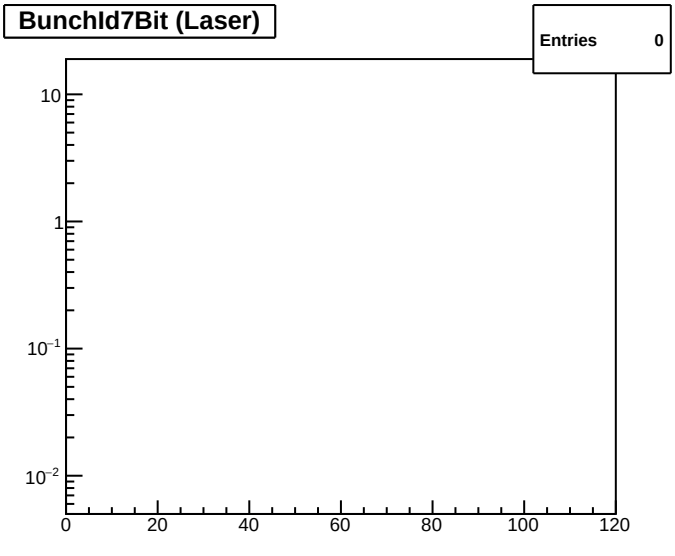
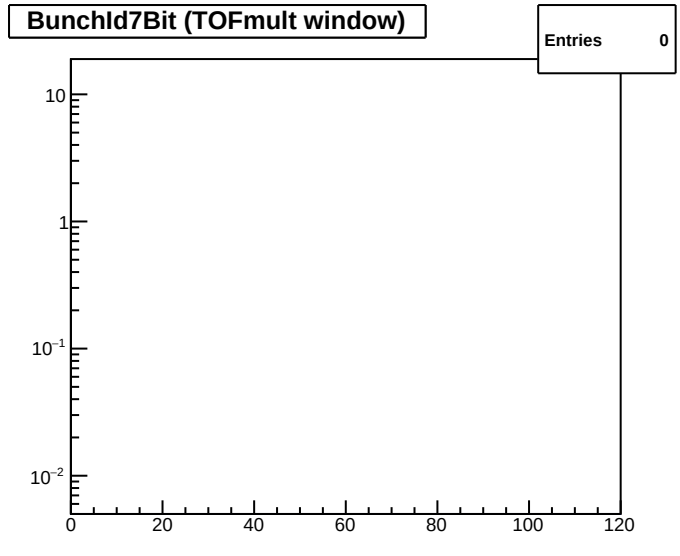

BunchId7Bit (VPD-TAC)
Entries 0

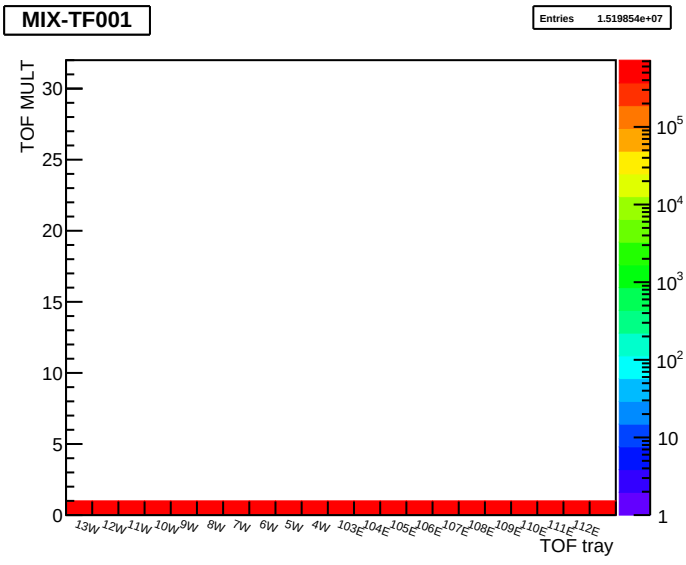

BunchId7Bit (ZDC-TAC)
Entries 2

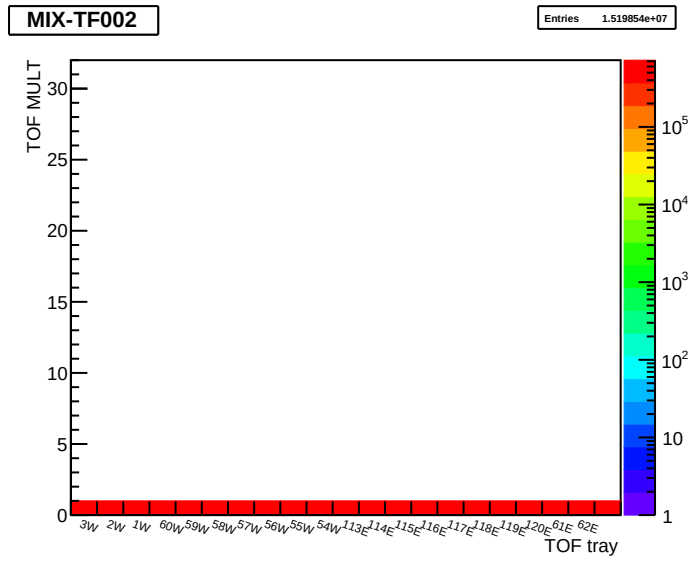

BunchId7Bit (EPD-TAC)
Entries 1587

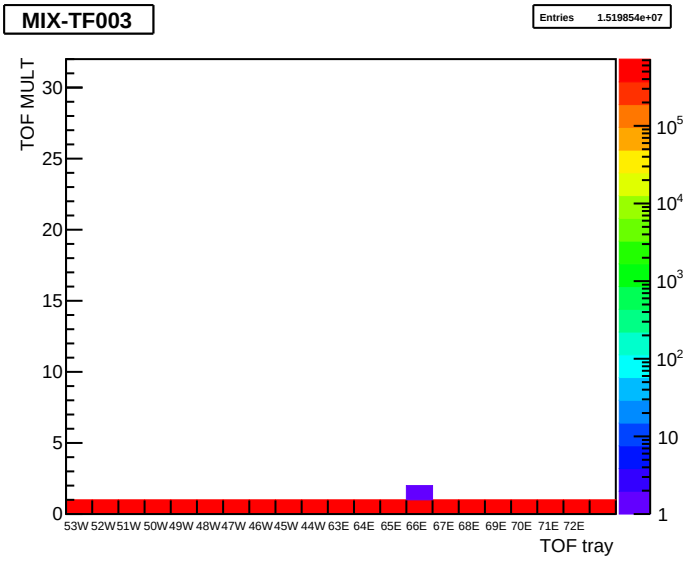

BunchId7Bit (BBC-TAC)
Entries 7868

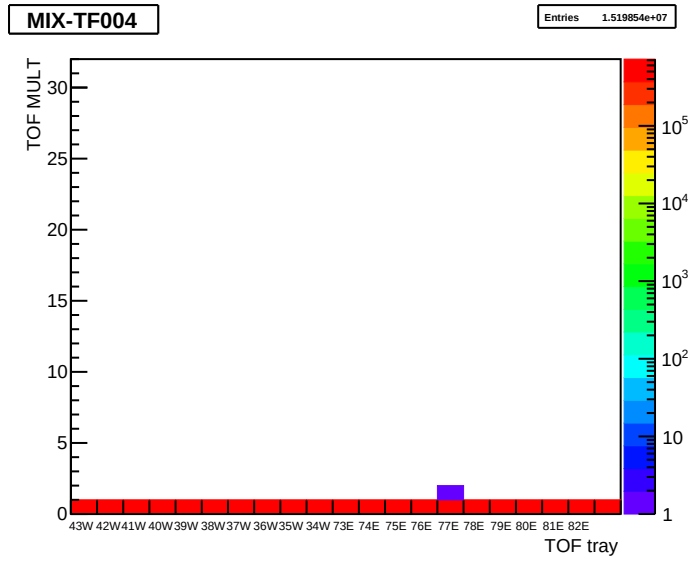

BunchId7Bit (Laser)
Entries 0

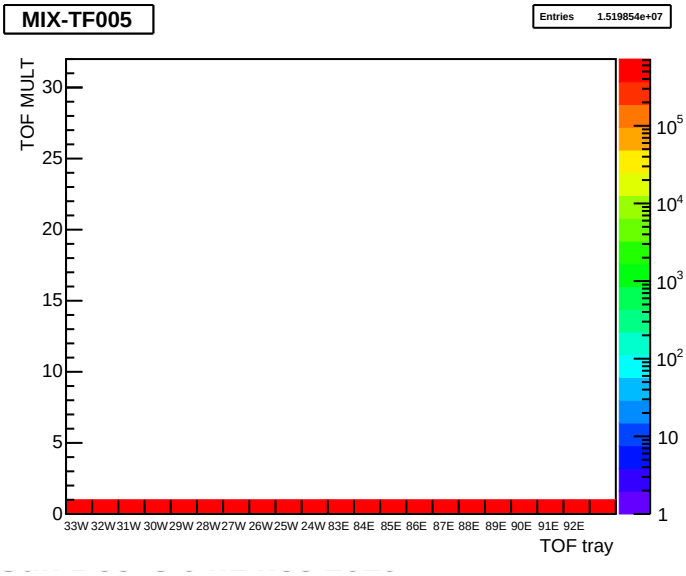

BunchId7Bit (TOFmult window)
Entries 0

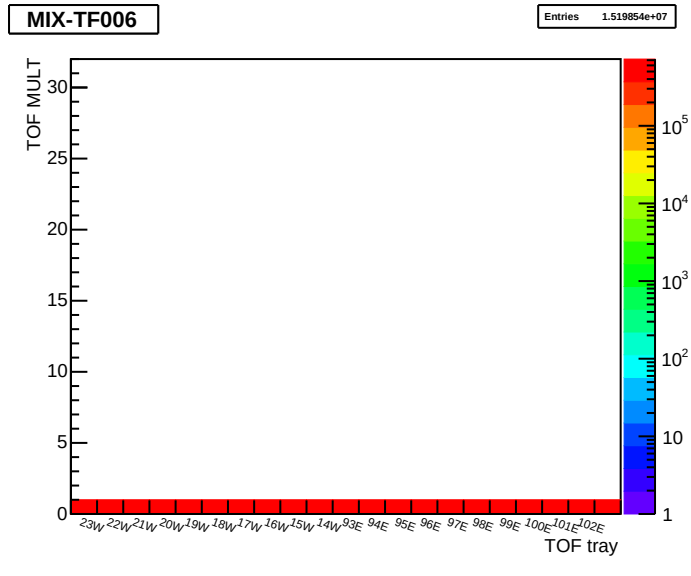

MIX-TF001
Entries 1.519854e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E


MIX-TF002
Entries 1.519854e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

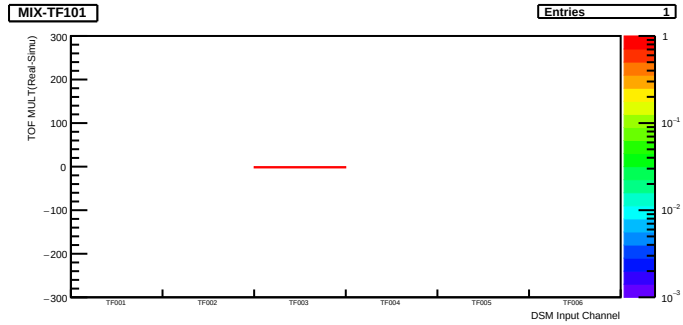

MIX-TF003
Entries 1.519854e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

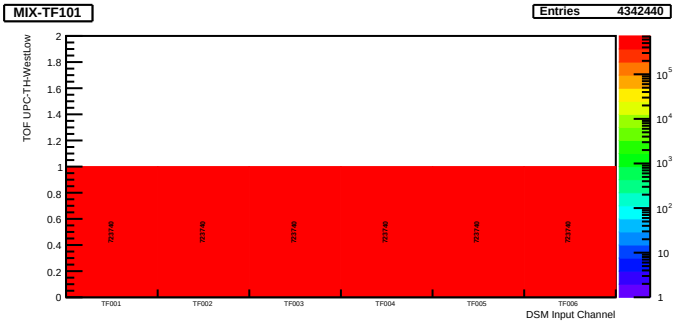

MIX-TF004
Entries 1.519854e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

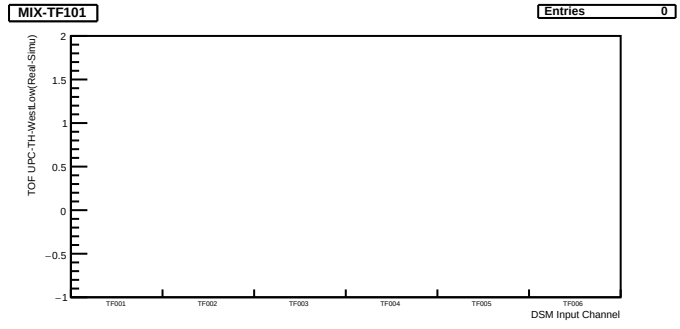

MIX-TF005
Entries 1.519854e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

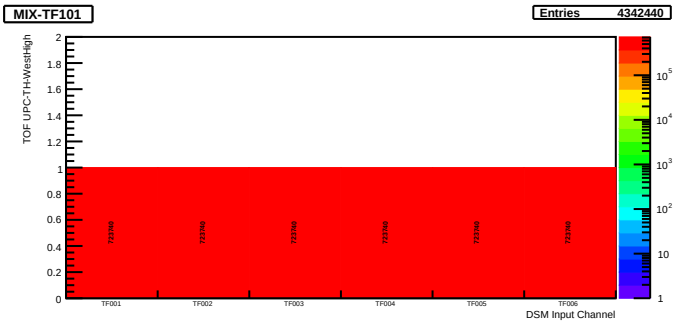

MIX-TF006
Entries 1.519854e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

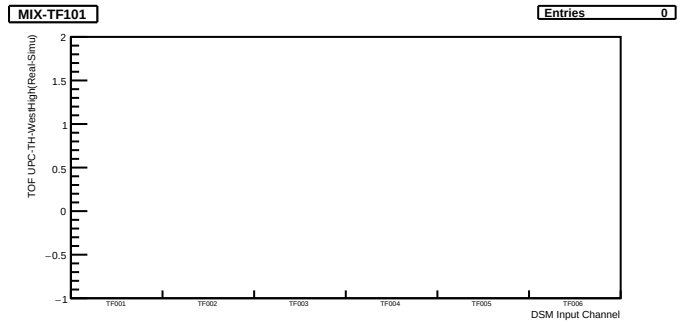
MIX-TF101
Entries 4342440
TOF MULT
DSM Input Channel

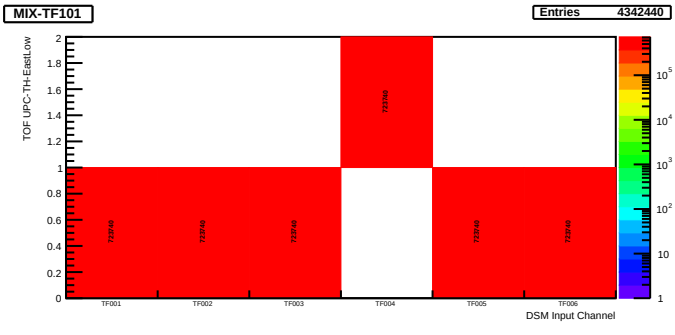

MIX-TF101
Entries 1
TOF MULT(Real-Simu)
DSM Input Channel

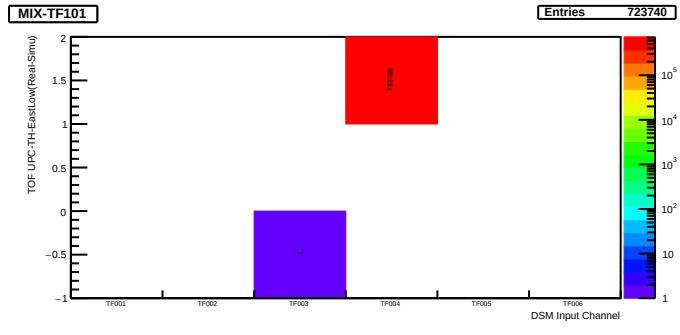

MIX-TF101
Entries 4342440
TOF UPC-TH-WestLow
DSM Input Channel

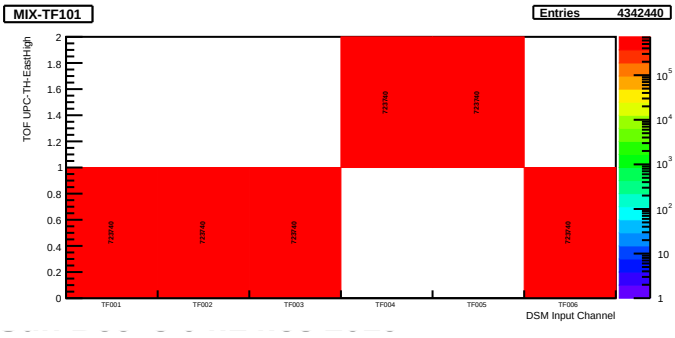

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel

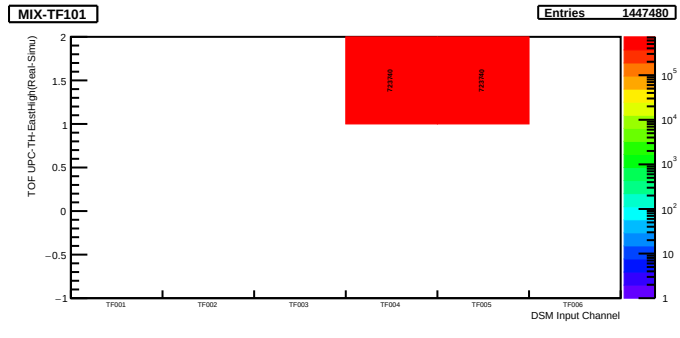

MIX-TF101
Entries 4342440
TOF UPC-TH-WestHigh
DSM Input Channel

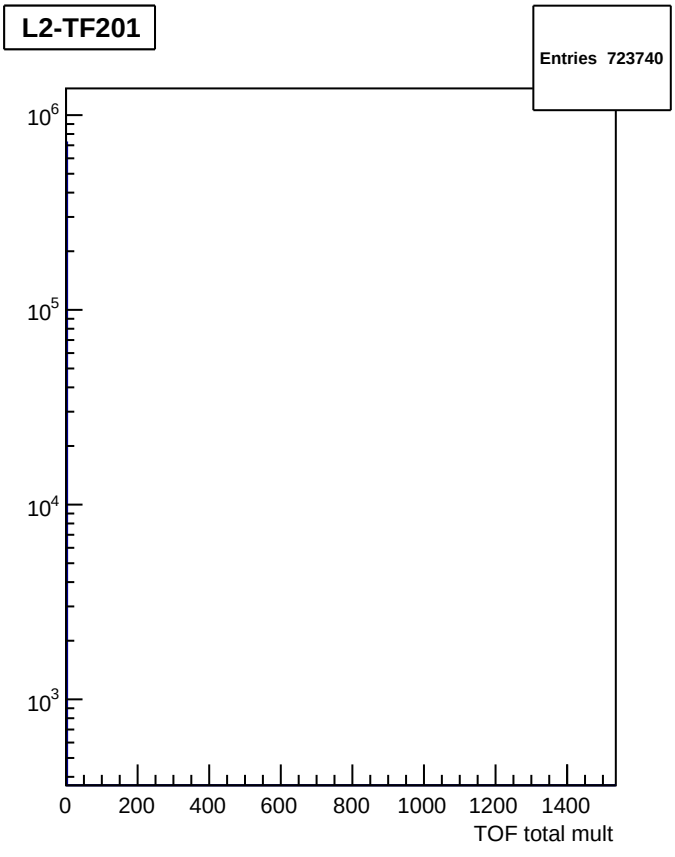

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel

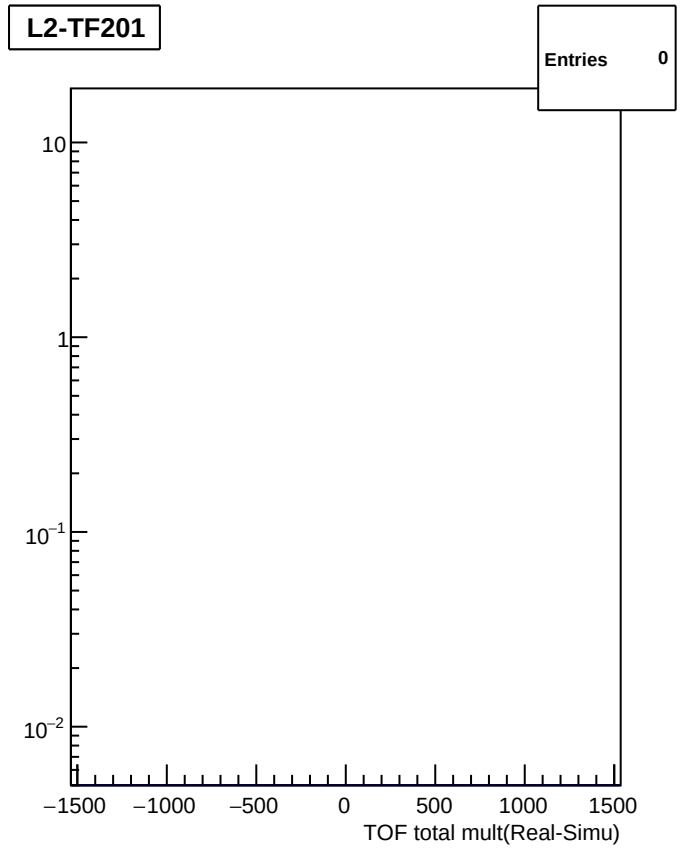

MIX-TF101
Entries 4342440
TOF UPC-TH-EastLow
DSM Input Channel

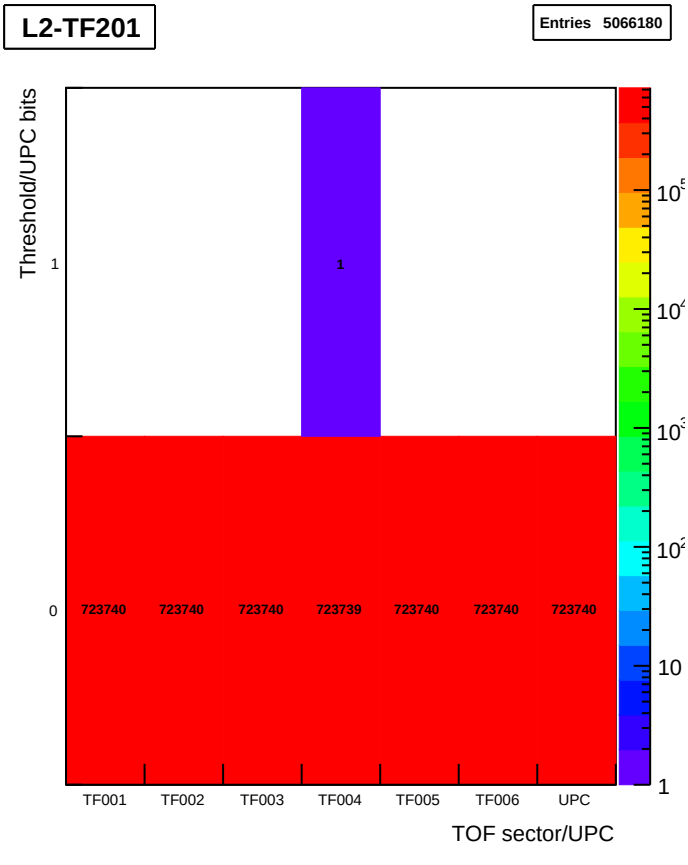

MIX-TF101
Entries 723740
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel

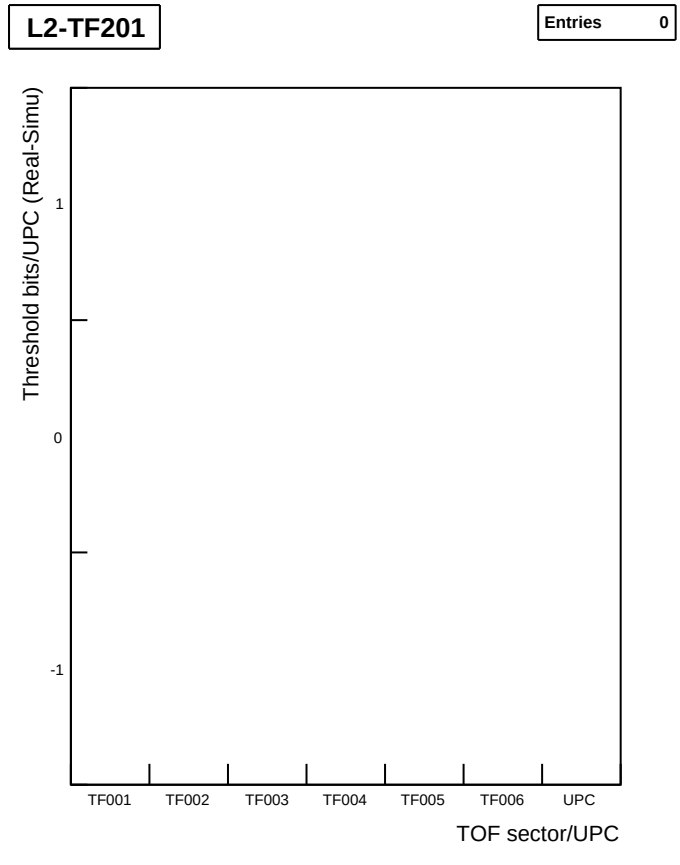

MIX-TF101
Entries 4342440
TOF UPC-TH-EastHigh
DSM Input Channel

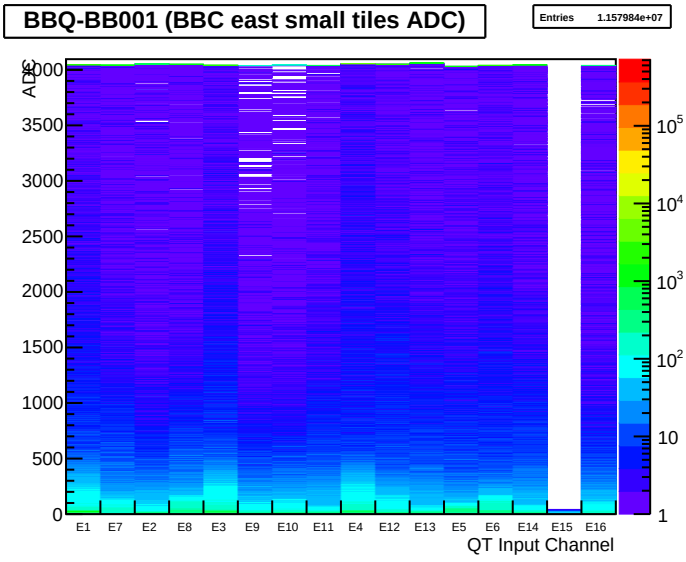

MIX-TF101
Entries 1447480
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel

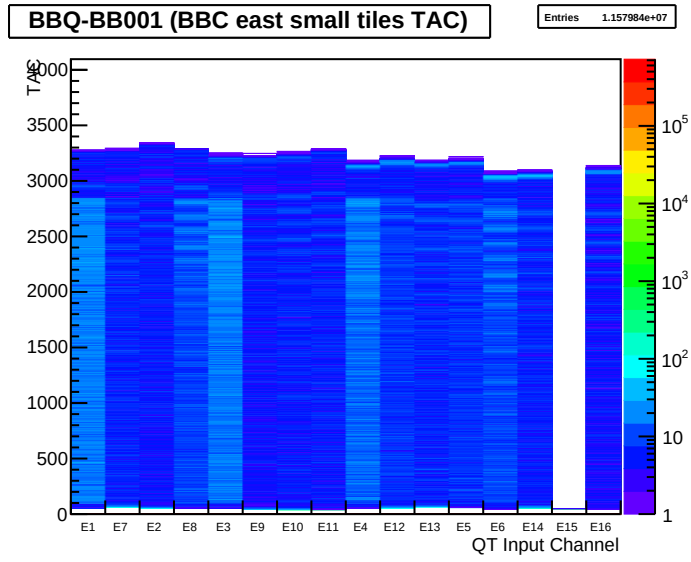

L2-TF201
Entries 723740
10^6
10^5
10^4
10^3
0 200 400 600 800 1000 1200 1400
TOF total mult

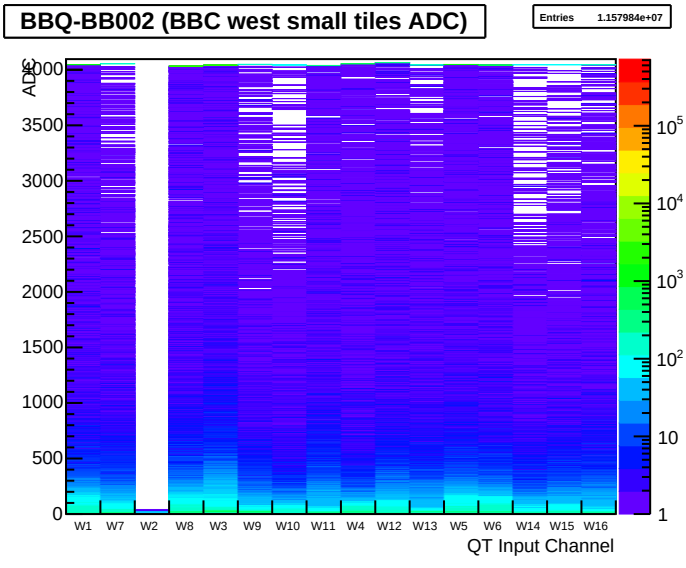

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500 −1000 −500 0 500 1000 1500
TOF total mult(Real-Simu)

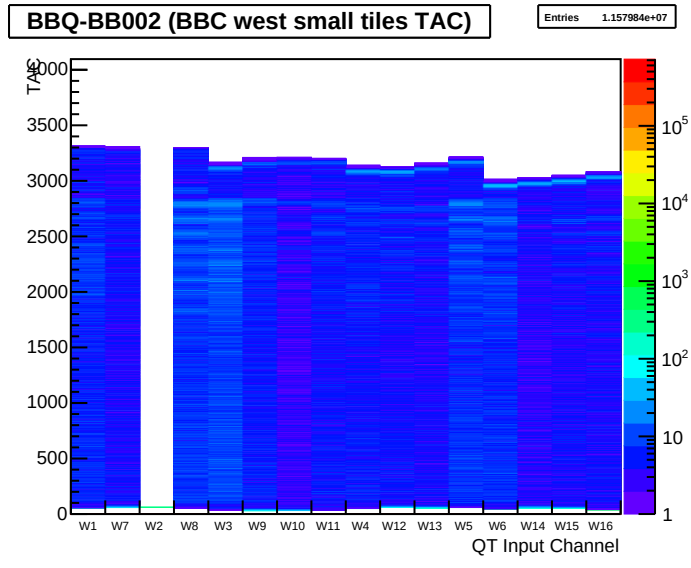

L2-TF201
Entries 5066180
Threshold/UPC bits
1
0
1
723740 723740 723740 723739 723740 723740 723740
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC
10
1

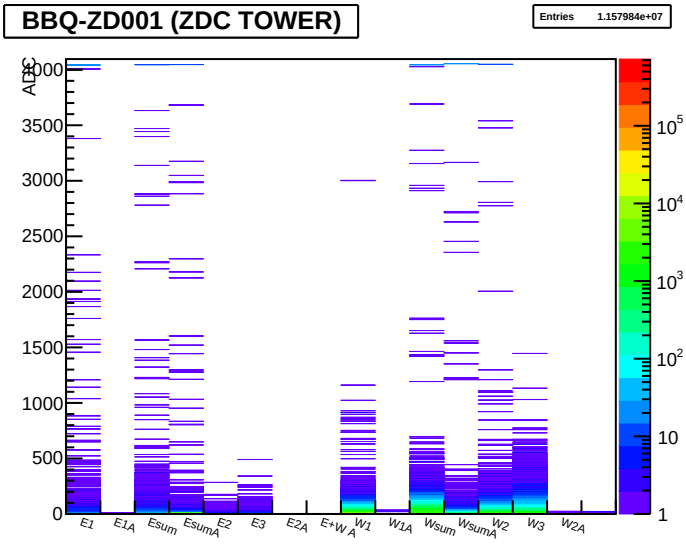

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

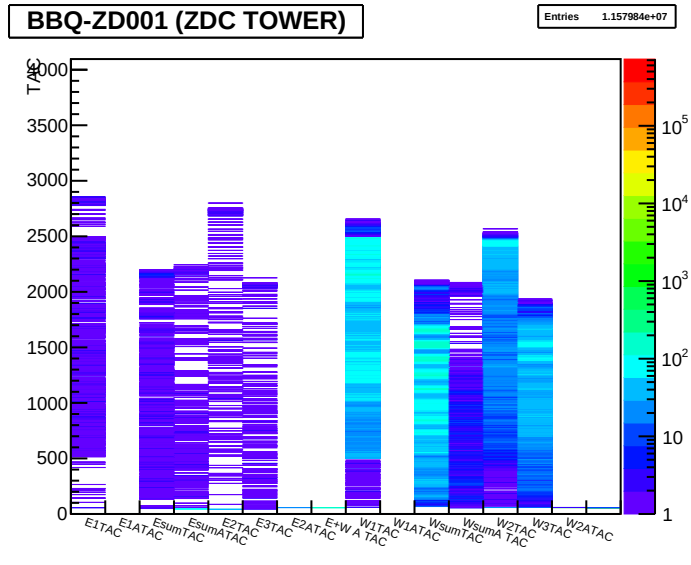

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.157984e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

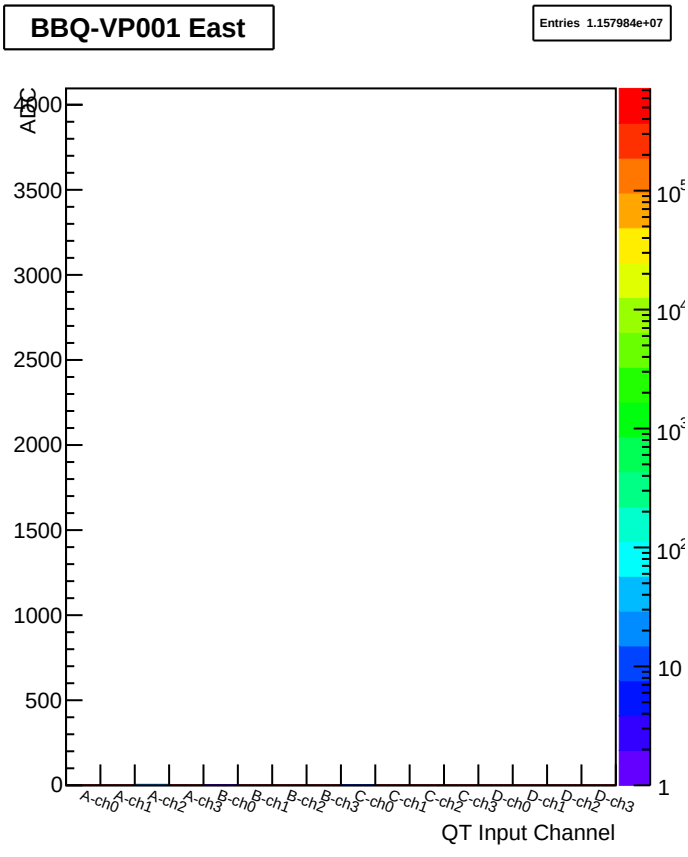

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.157984e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

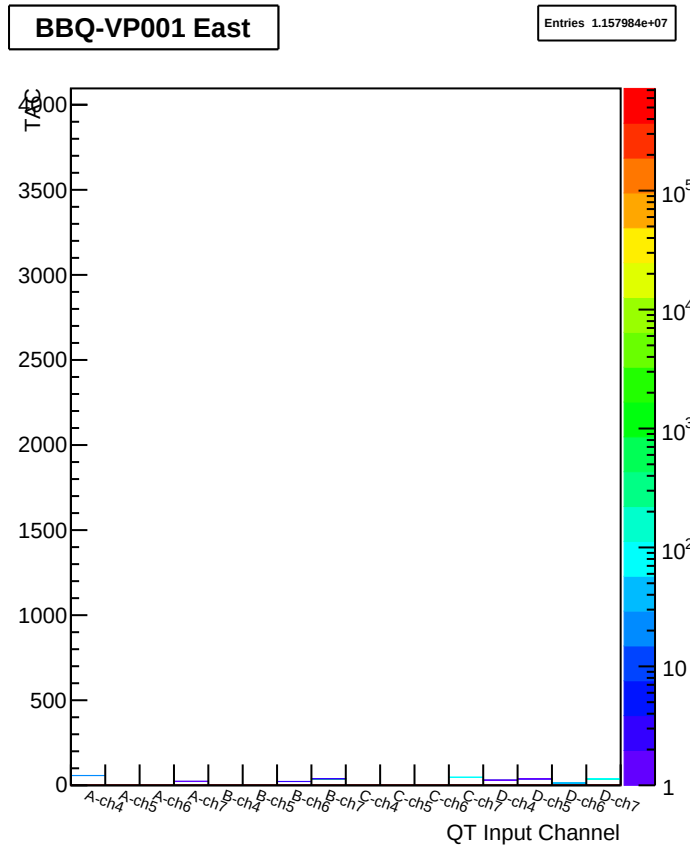

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.157984e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

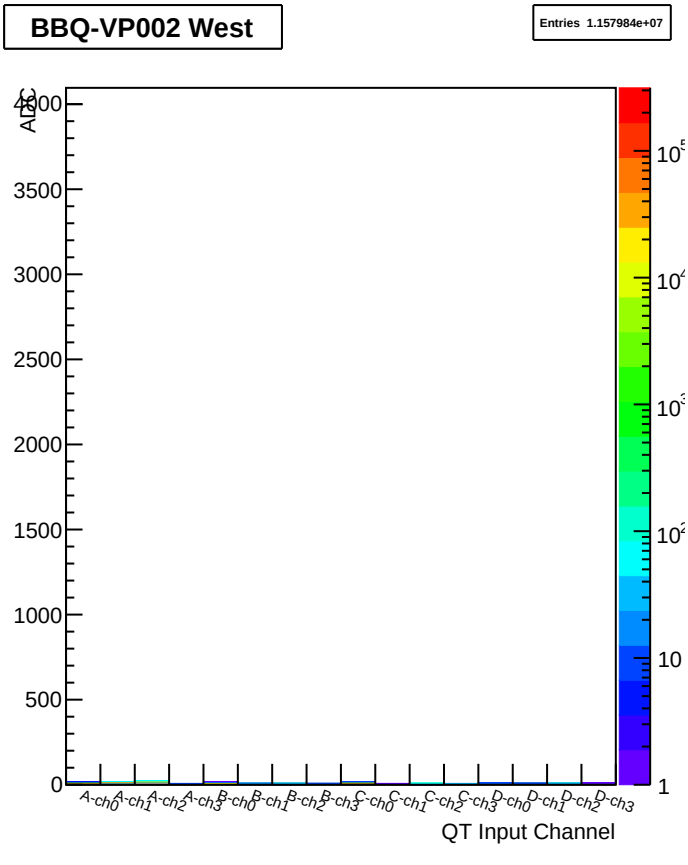

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.157984e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

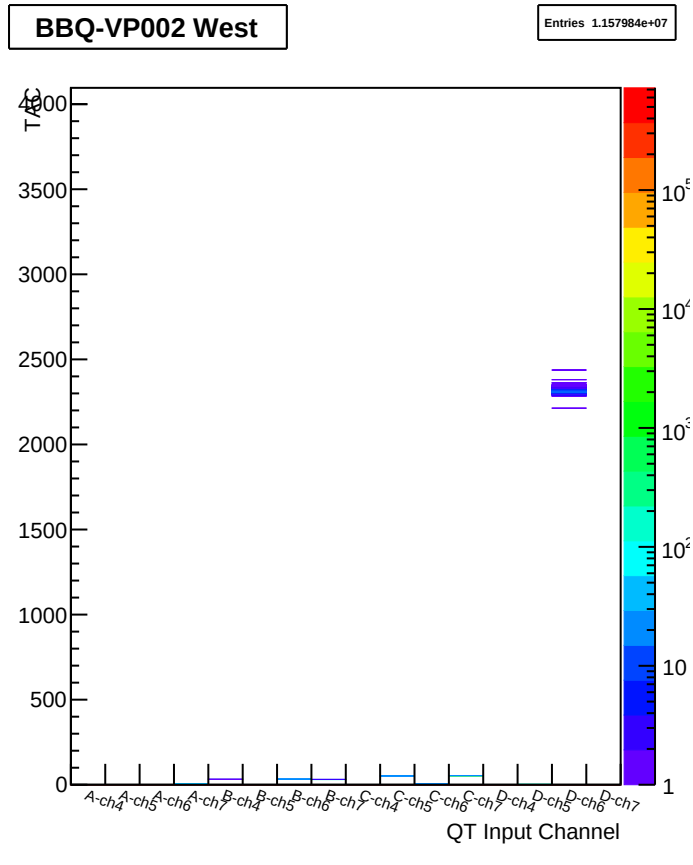

BBQ-ZD001 (ZDC TOWER)
Entries 1.157984e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

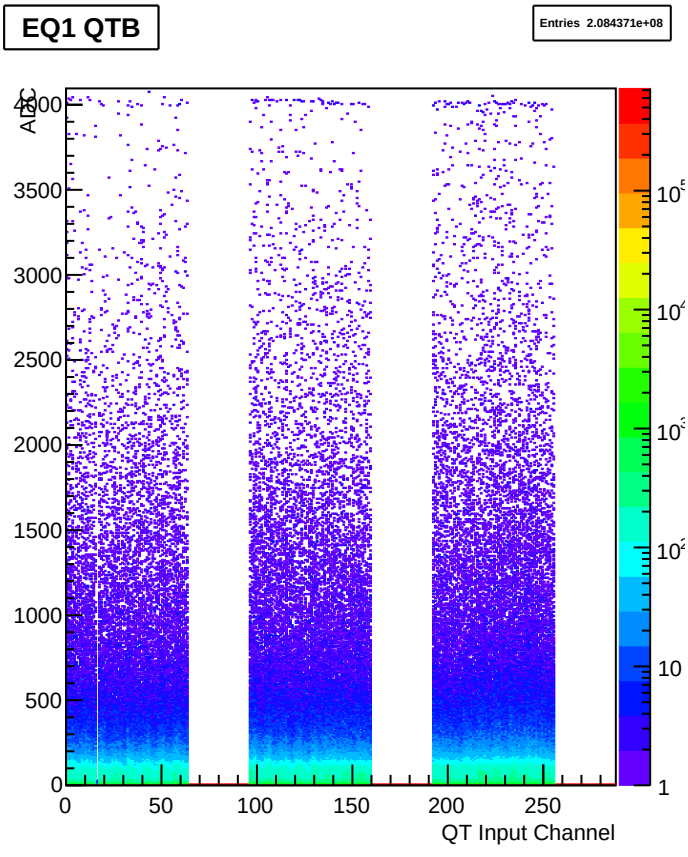

BBQ-ZD001 (ZDC TOWER)
Entries 1.157984e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

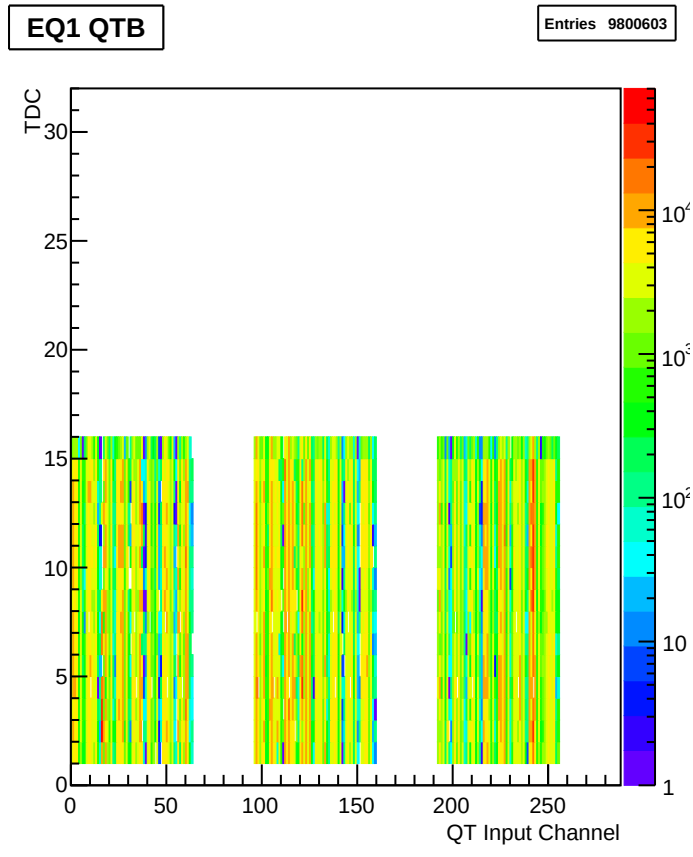

BBQ-VP001 East
Entries 1.157984e+07
ADC
QT Input Channel

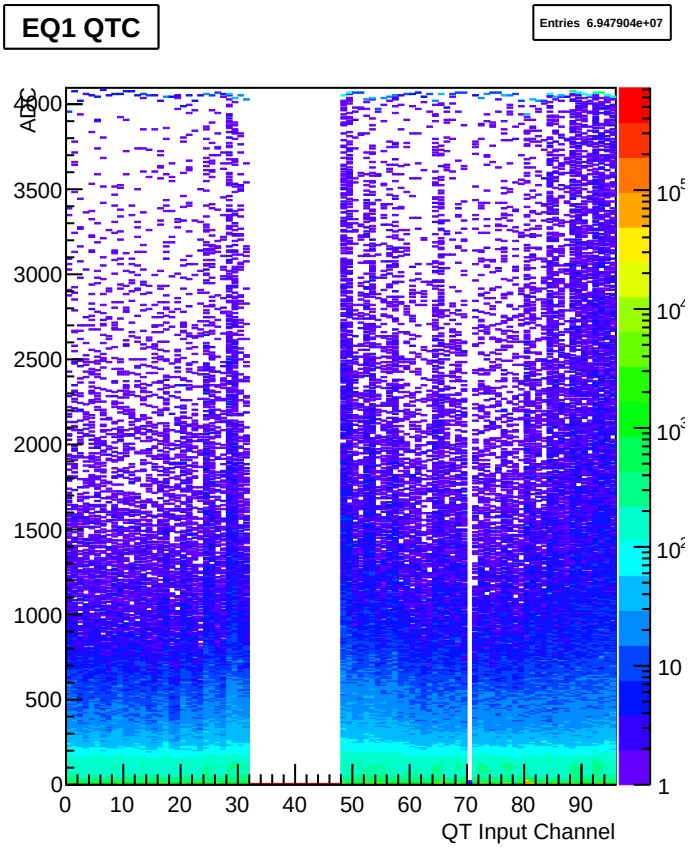

BBQ-VP001 East
Entries 1.157984e+07
TADC
QT Input Channel

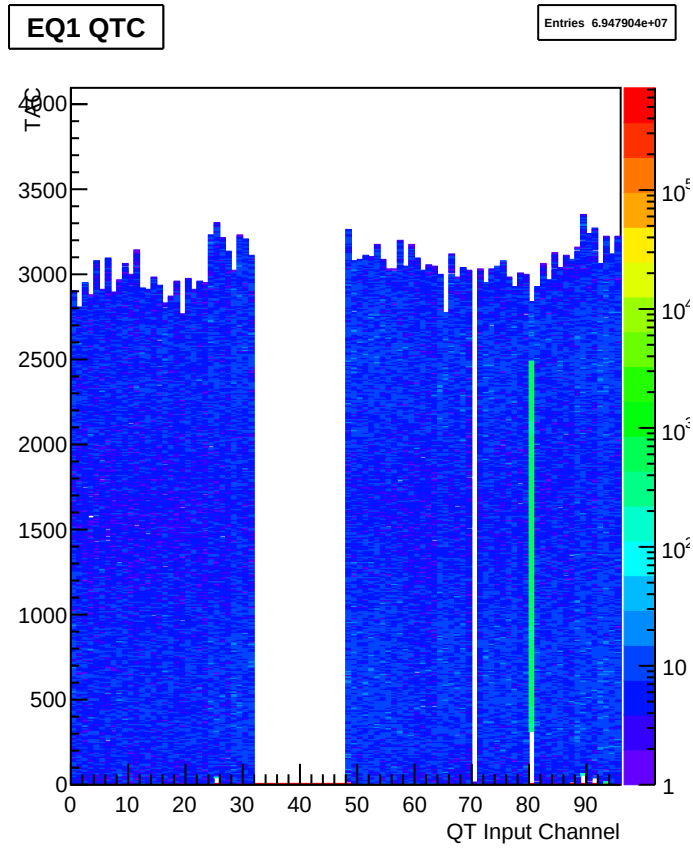

BBQ-VP002 West
Entries 1.157984e+07
ADC
QT Input Channel

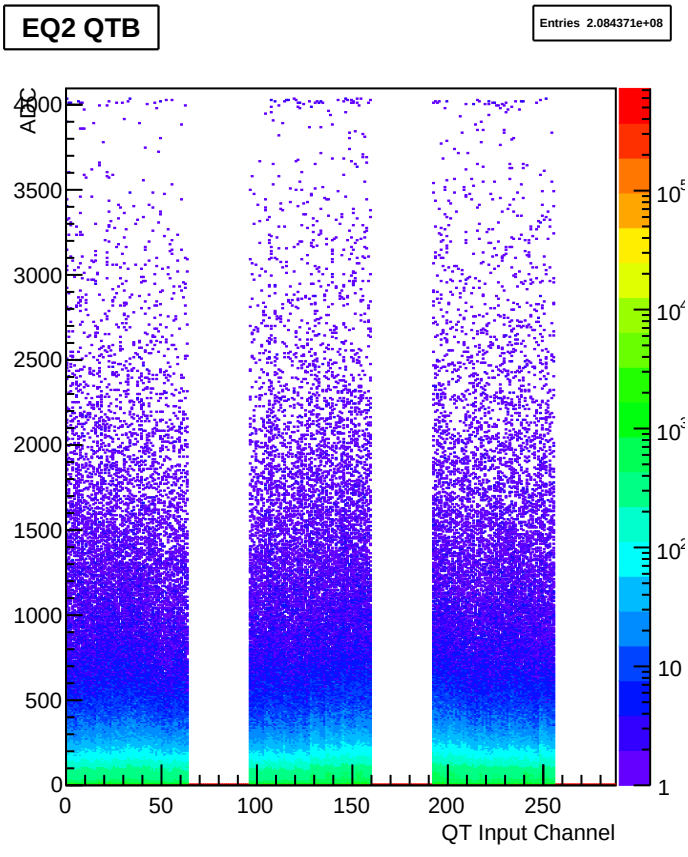

BBQ-VP002 West
Entries 1.157984e+07
TADC
QT Input Channel

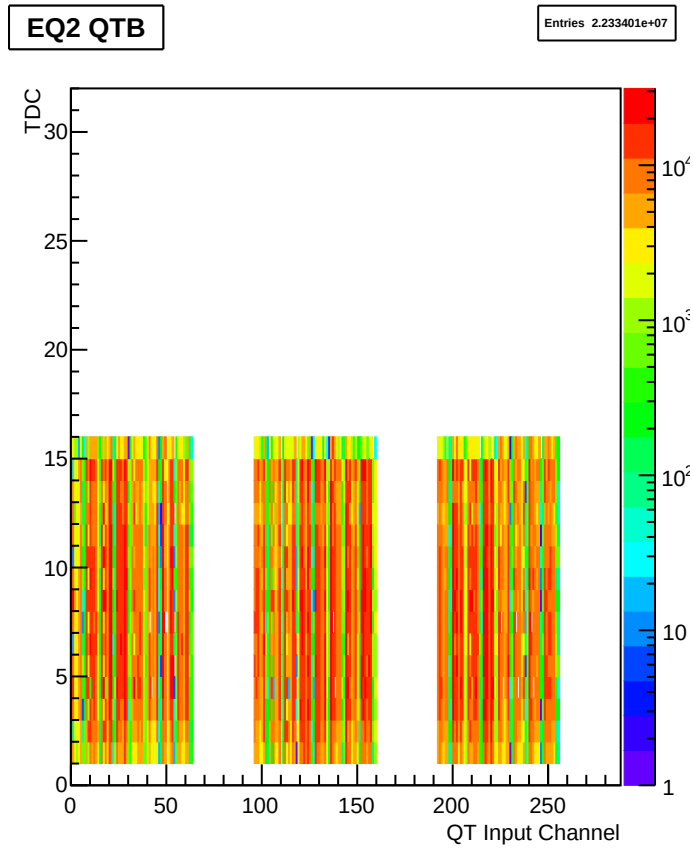

EQ1 QTB
Entries 2.084371e+08
ADC
QT Input Channel

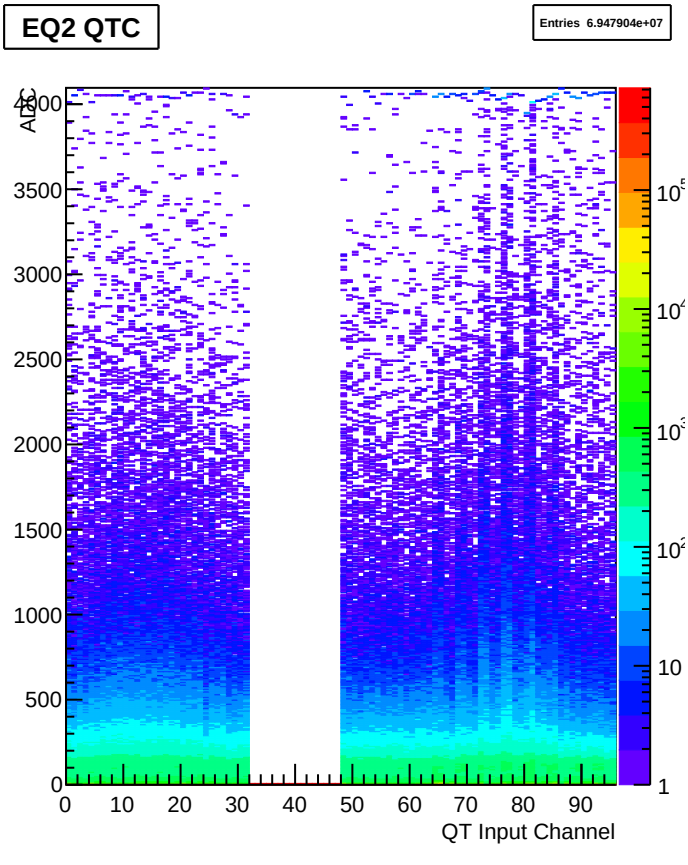

EQ1 QTB
Entries 9800603
TDC
QT Input Channel

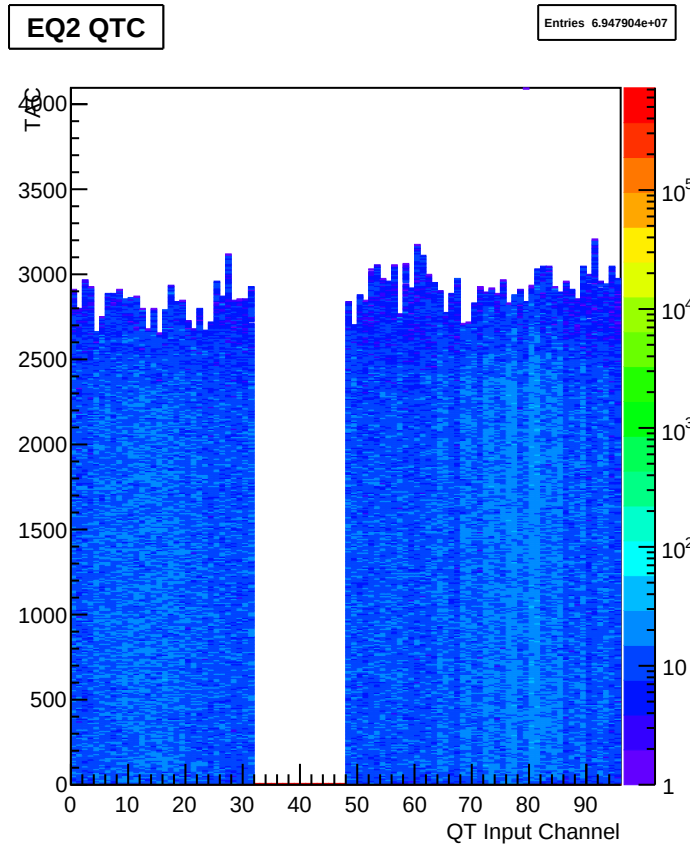

EQ1 QTC
Entries 6.947904e+07
ADC
QT Input Channel

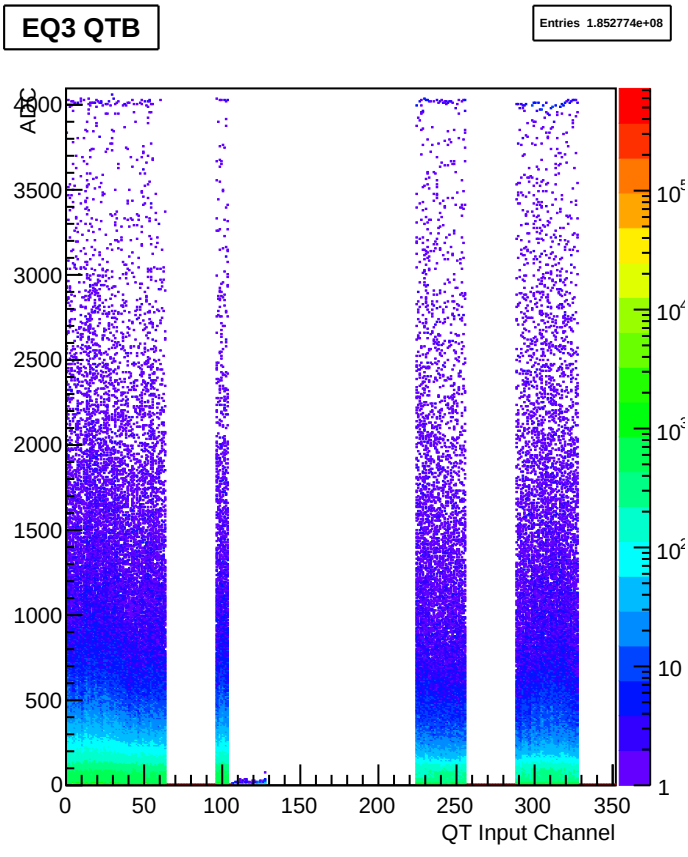

EQ1 QTC
Entries 6.947904e+07
TADC
QT Input Channel

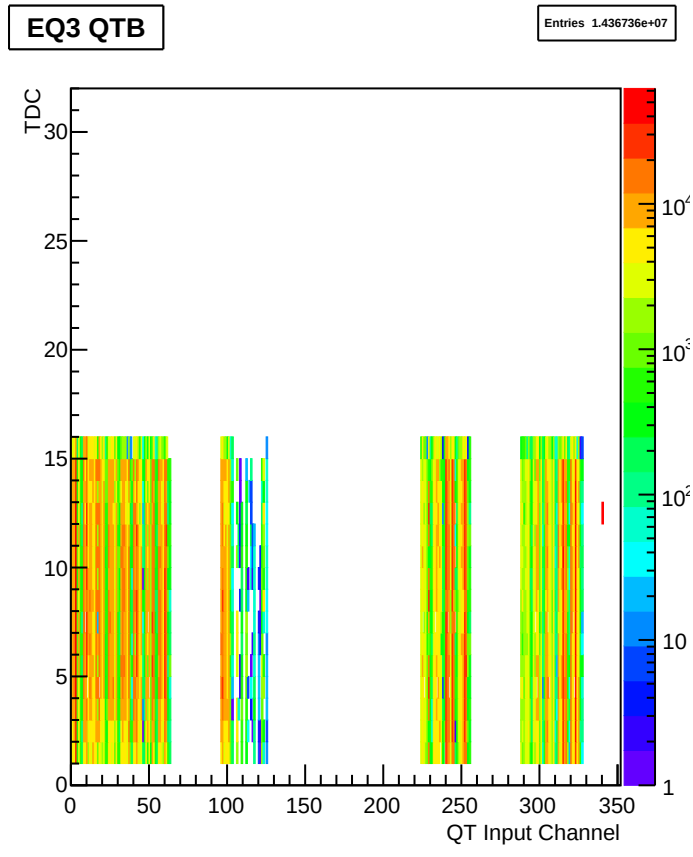

EQ2 QTB
Entries 2.084371e+08
ADC
QT Input Channel

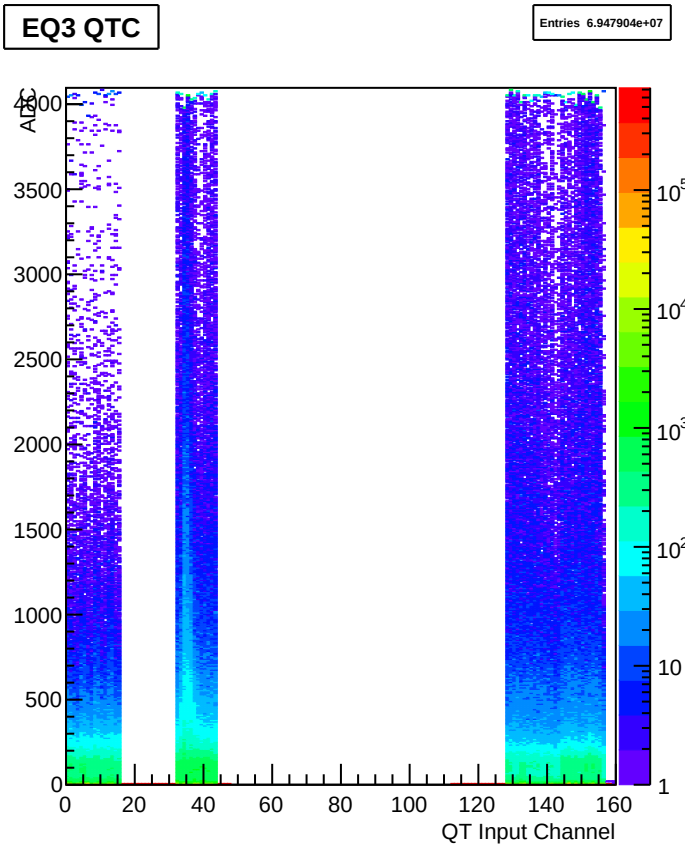

EQ2 QTB
Entries 2.233401e+07
TDC
QT Input Channel

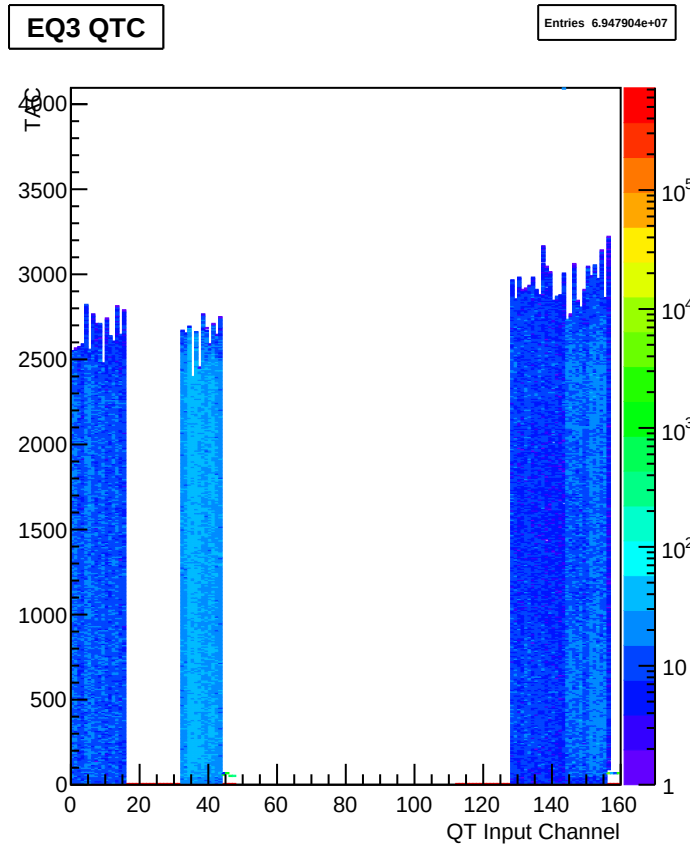

EQ2 QTC
Entries 6.947904e+07
ADC
QT Input Channel

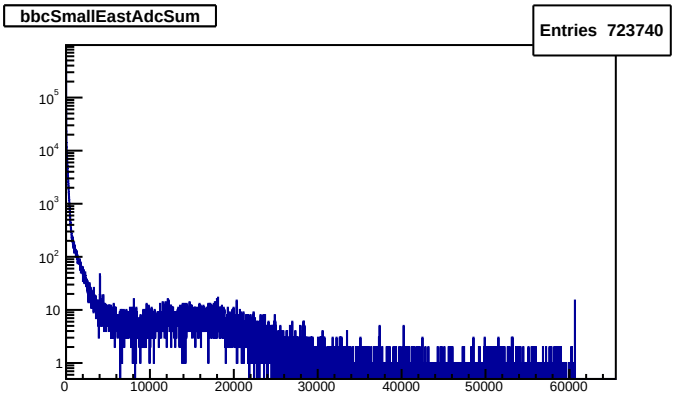

EQ2 QTC
Entries 6.947904e+07
TADC
QT Input Channel

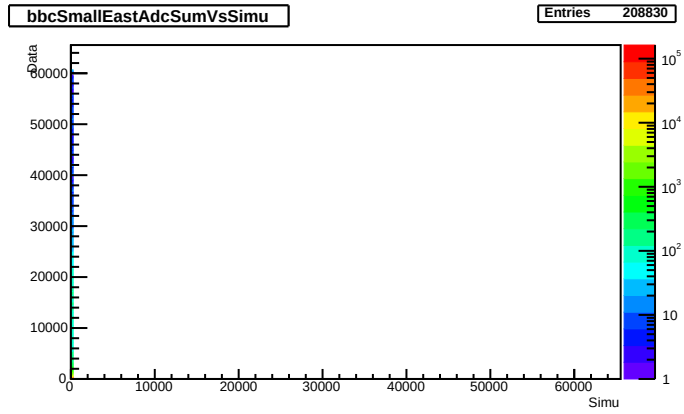

EQ3 QTB
Entries 1.852774e+08
ADC
QT Input Channel

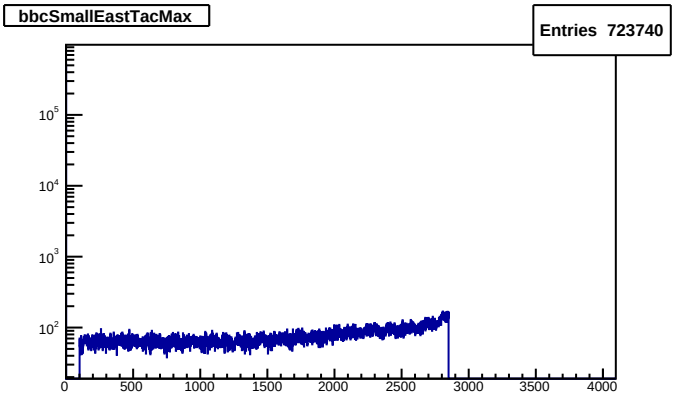

EQ3 QTB
Entries 1.436736e+07
TDC
QT Input Channel

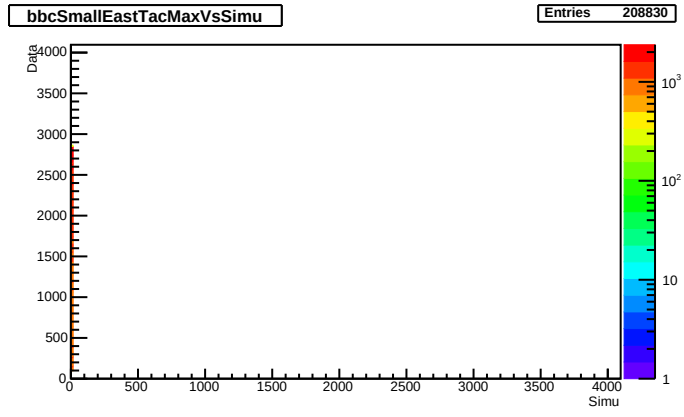

EQ3 QTC
Entries 6.947904e+07
ADC
QT Input Channel

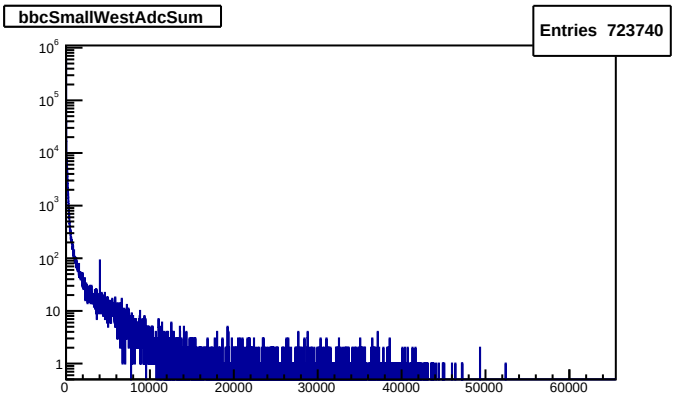

EQ3 QTC
Entries 6.947904e+07
TADC
QT Input Channel

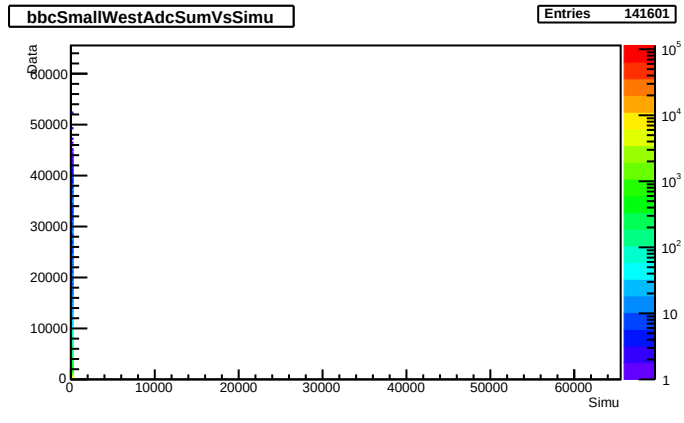

bbcSmallEastAdcSum
Entries 723740


bbcSmallEastAdcSumVsSimu
Entries 208830
Data
Simu


bbcSmallEastTacMax
Entries 723740


bbcSmallEastTacMaxVsSimu
Entries 208830
Data
Simu


bbcSmallWestAdcSum
Entries 723740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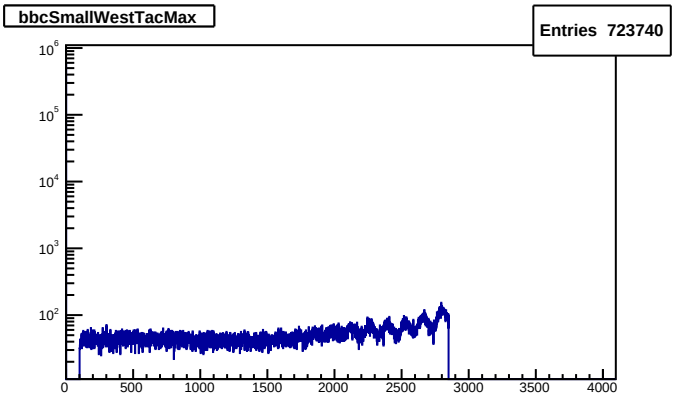
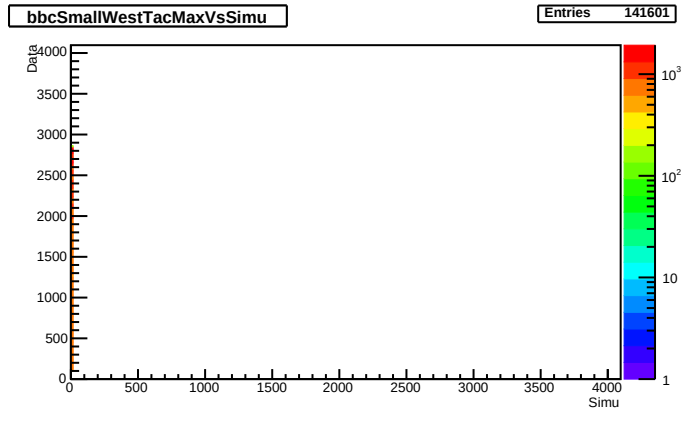
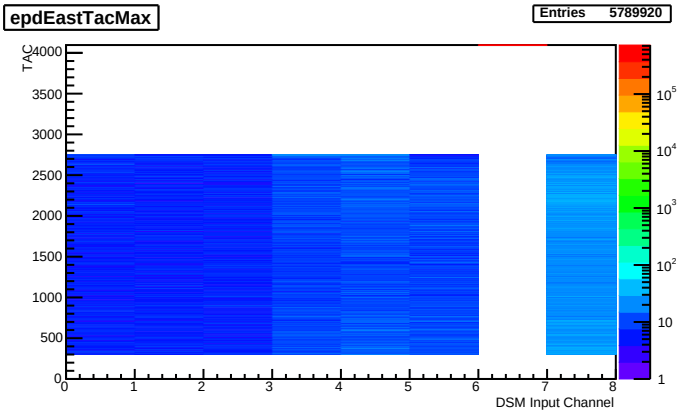
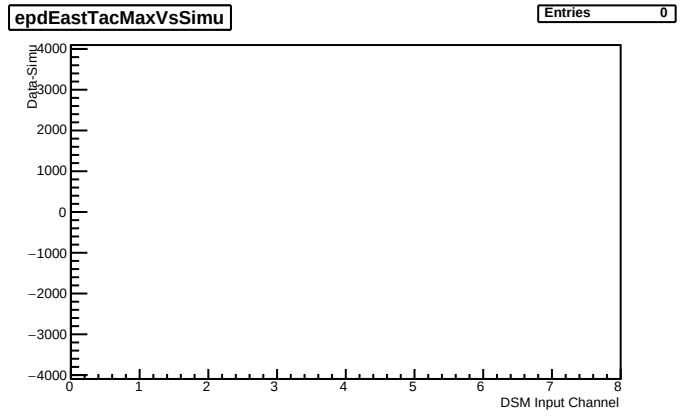
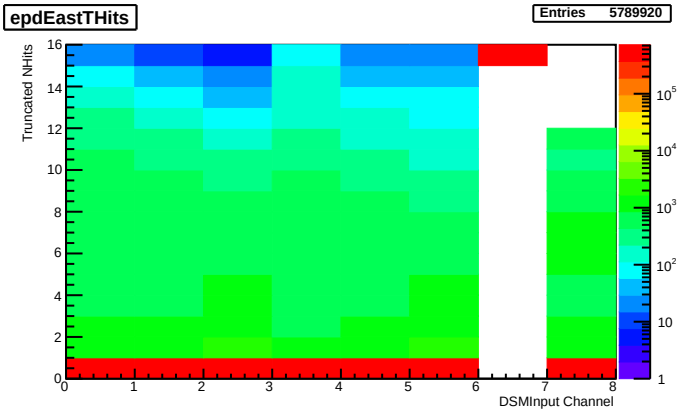
Entries 141601
Data
Simu

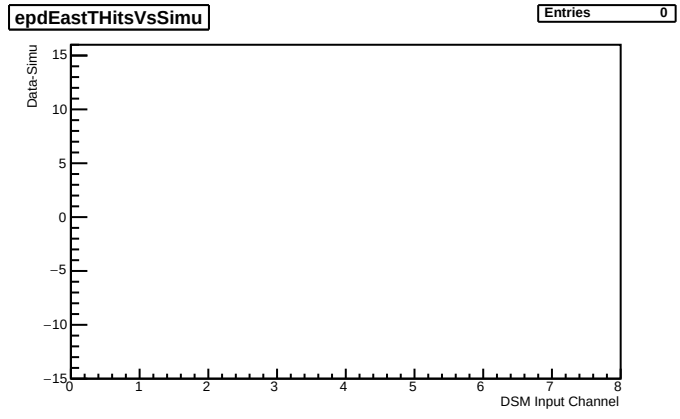

bbcSmallWestTacMax
Entries 723740

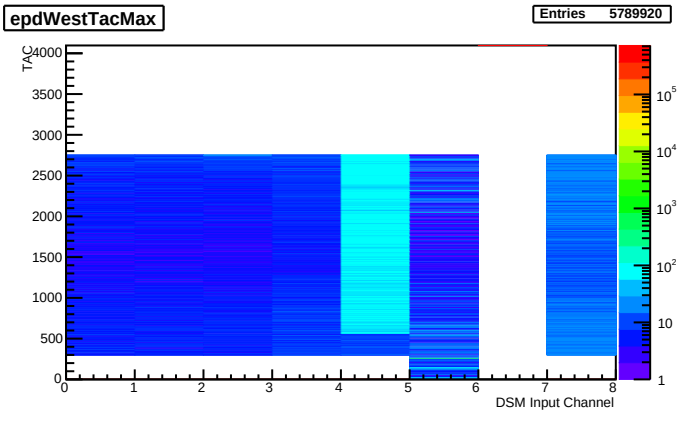

bbcSmallWestTacMaxVsSimu
Entries 141601
Data
Simu

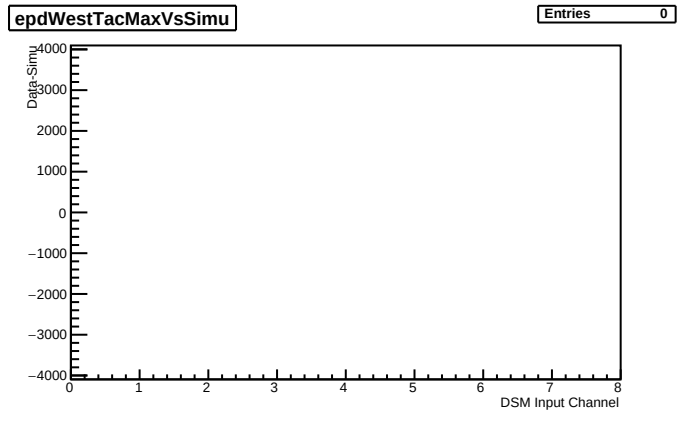

epdEastTacMax
Entries 5789920
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5789920
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 5789920
TAC
DSM Input Channel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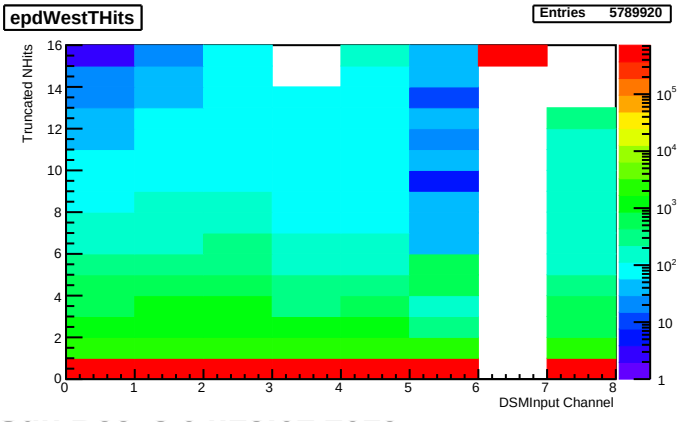
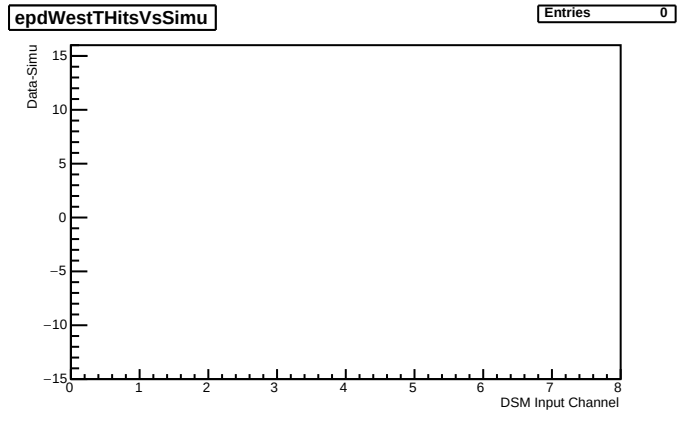
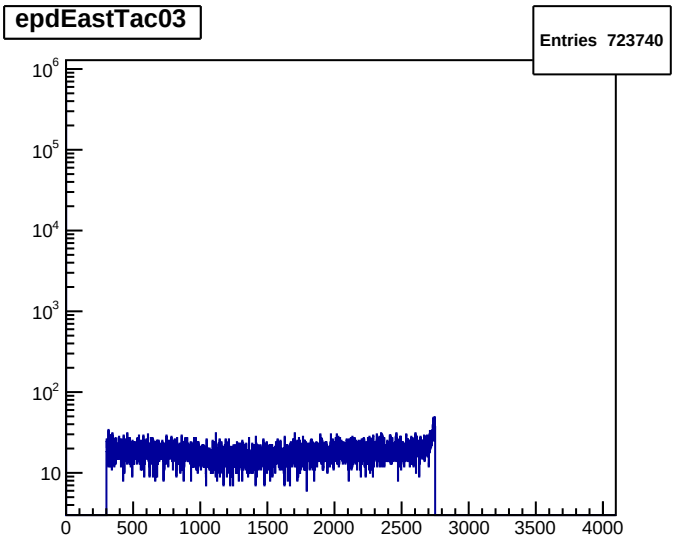
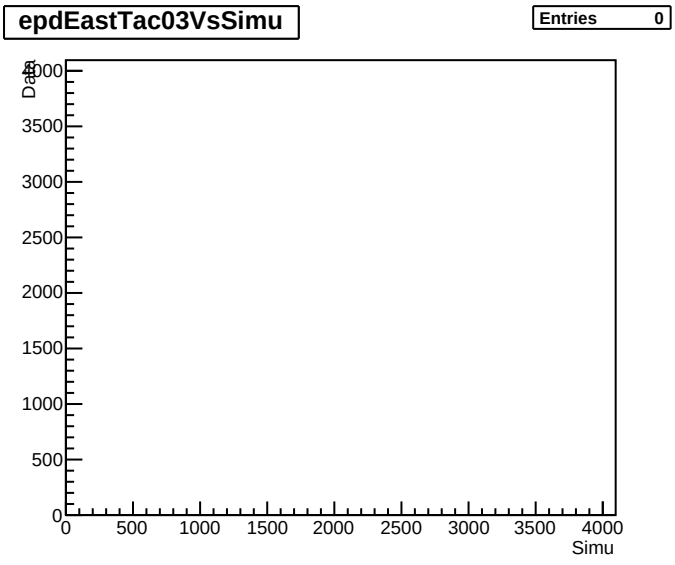
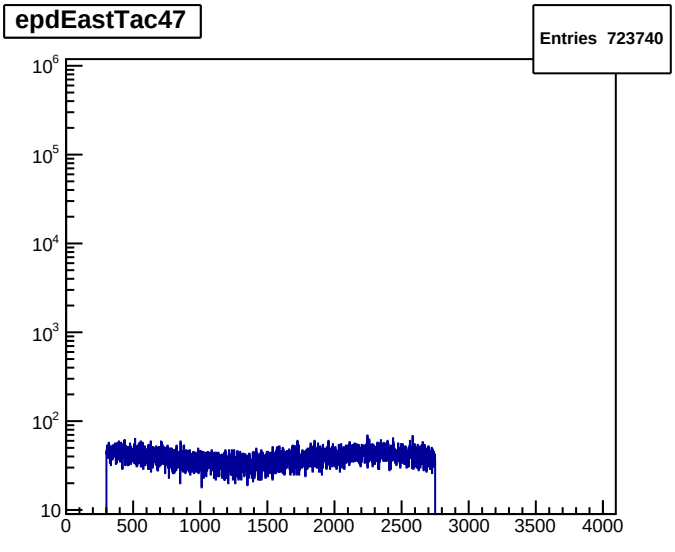
Entries 0
Data-Simu
DSM Input Channel

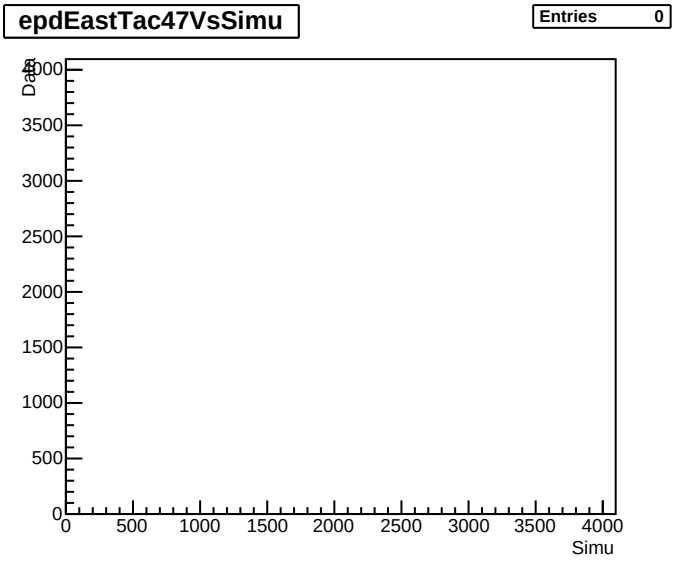

epdWestTHits
Entries 5789920
Truncated NHits
DSMInput Channel

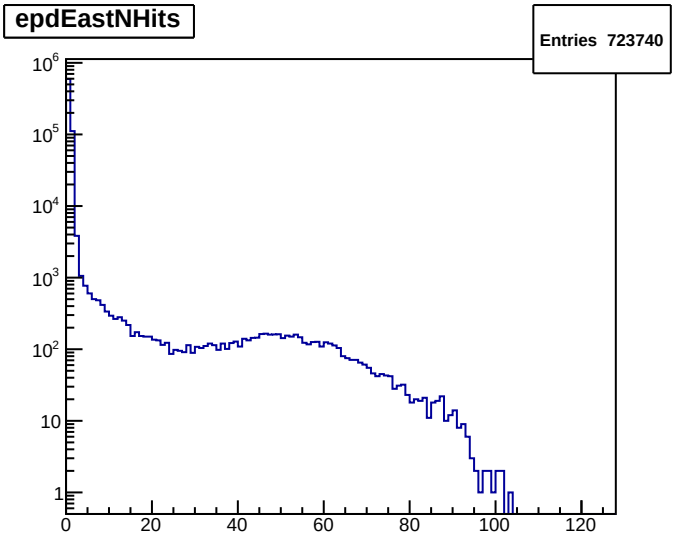

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

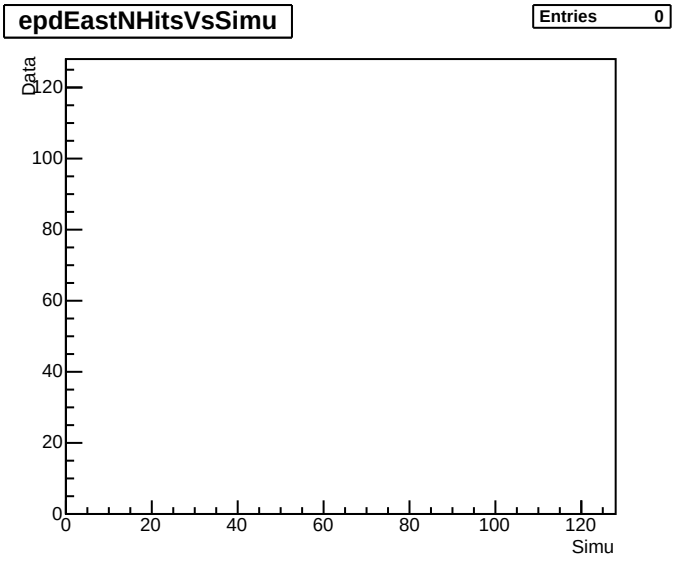

epdEastTac03
Entries 723740


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 723740


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 723740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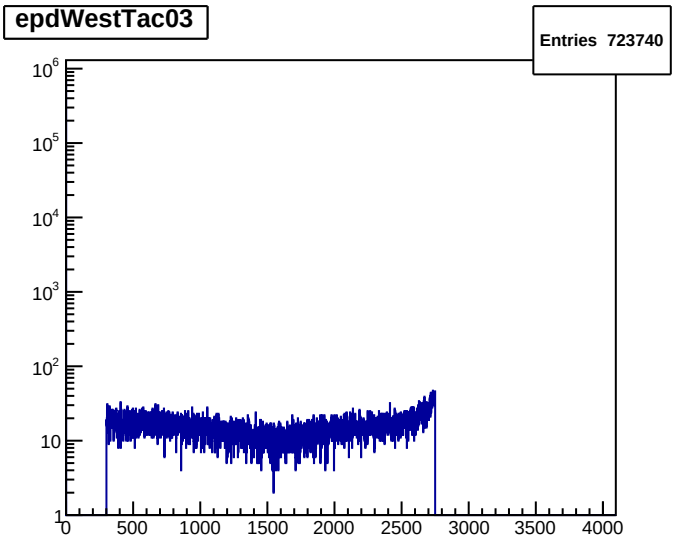
Entries 0
Data
Simu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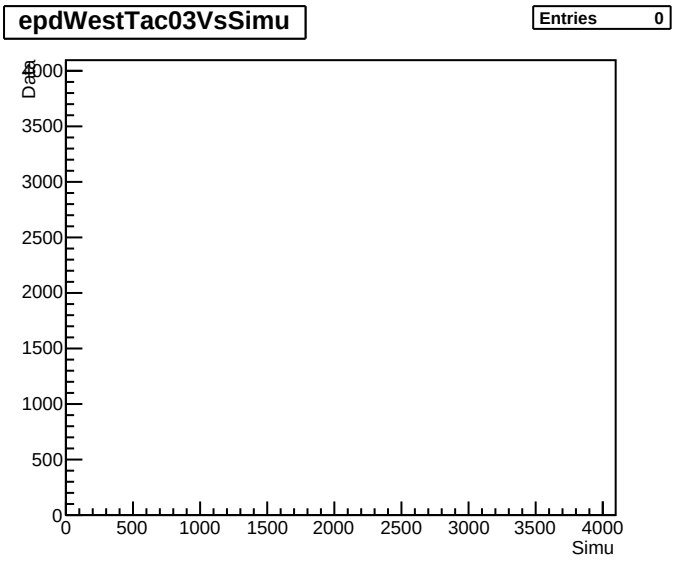
Entries 723740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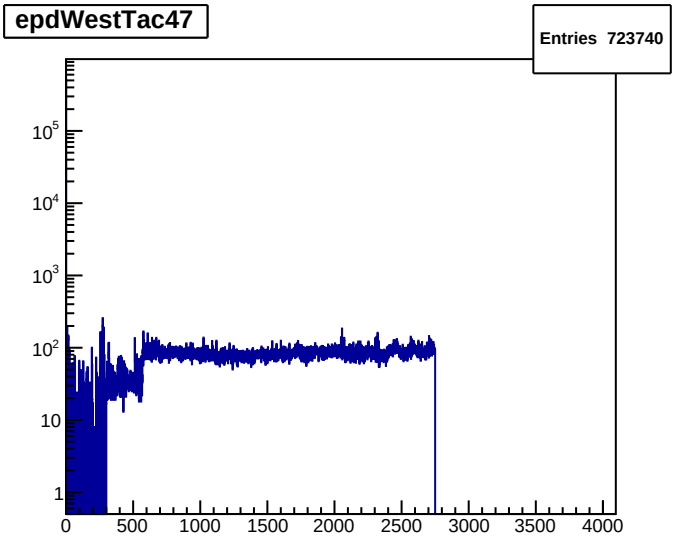
Entries 0
Data
Simu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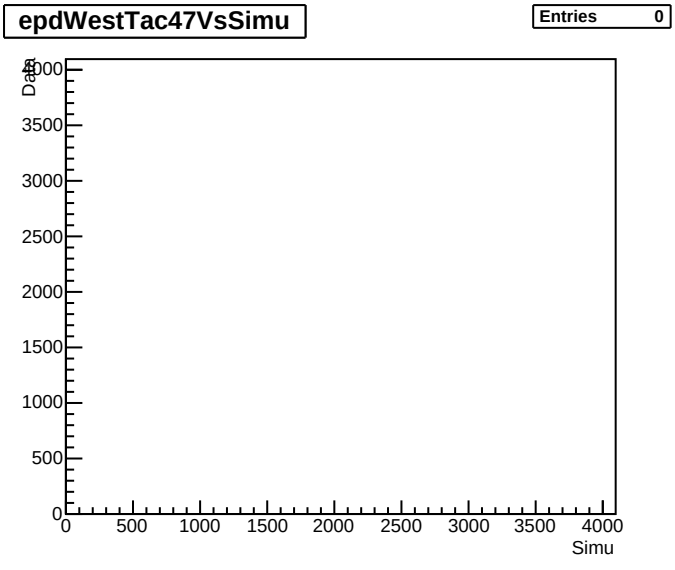
Entries 723740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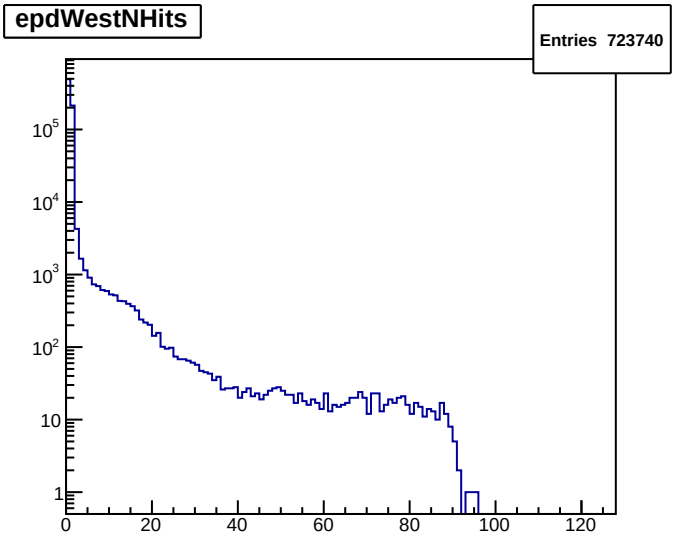
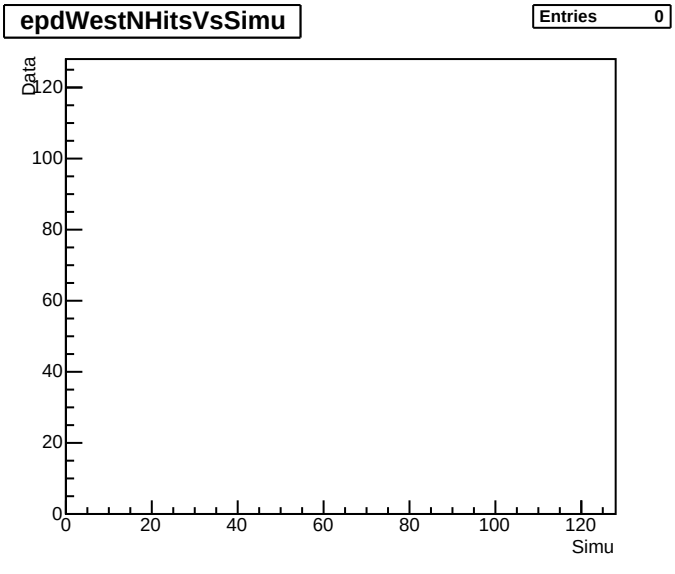
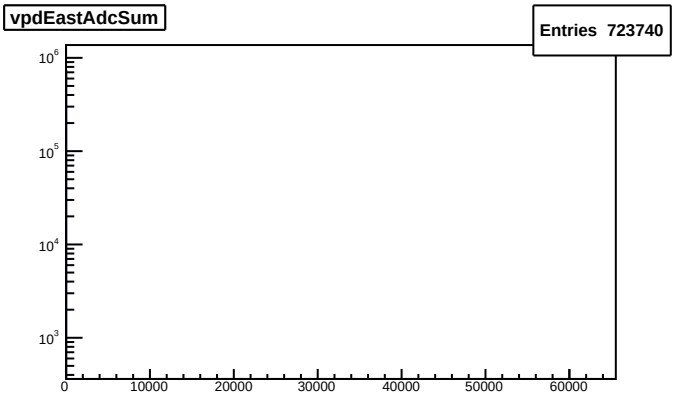
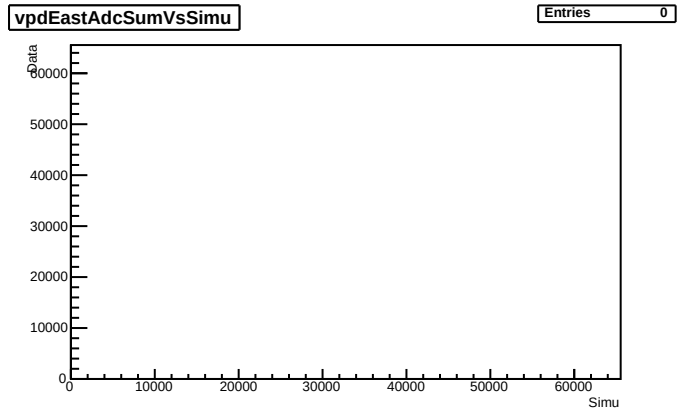
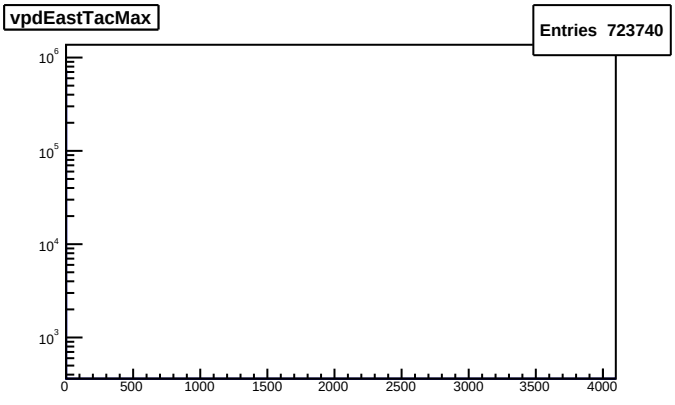
Entries 0
Data
Simu

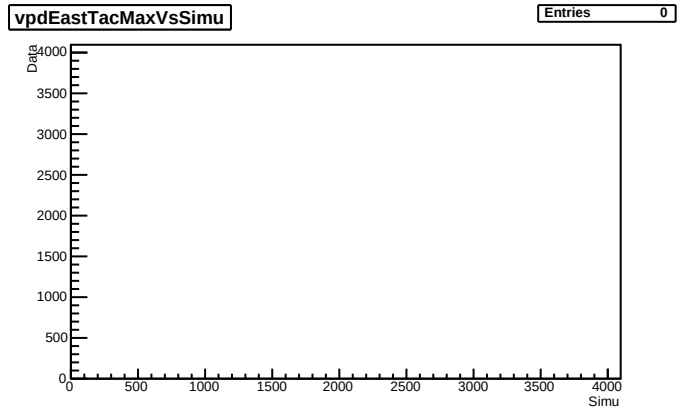

epdWestNHits
Entries 723740

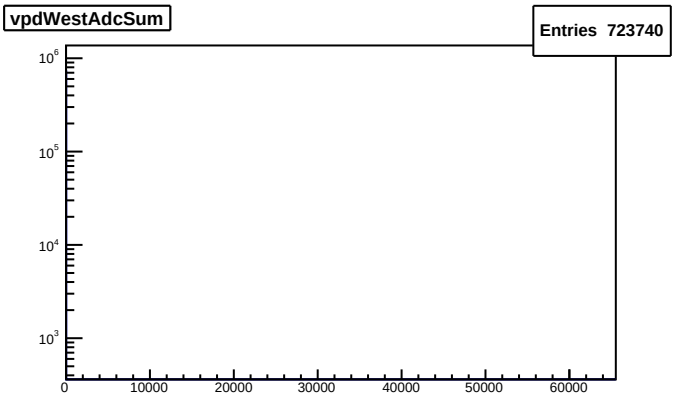

epdWestNHitsVsSimu
Entries 0
Data
Simu

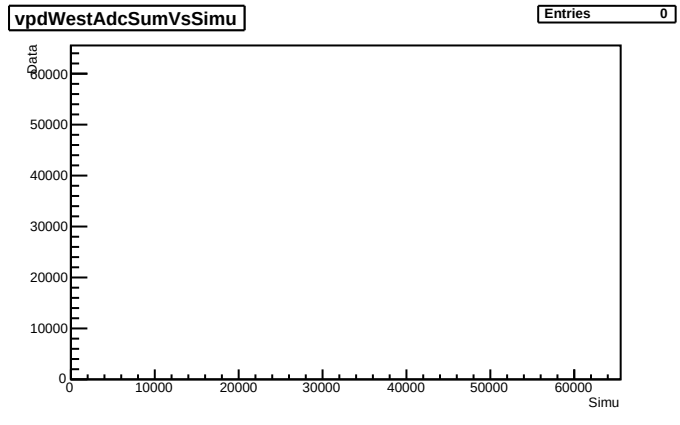

vpdEastAdcSum
Entries 723740

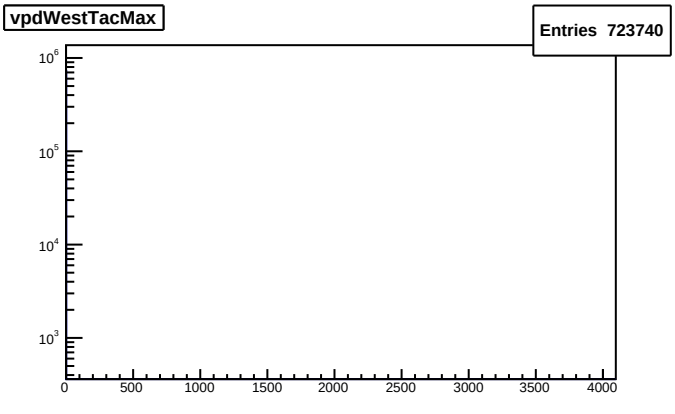

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

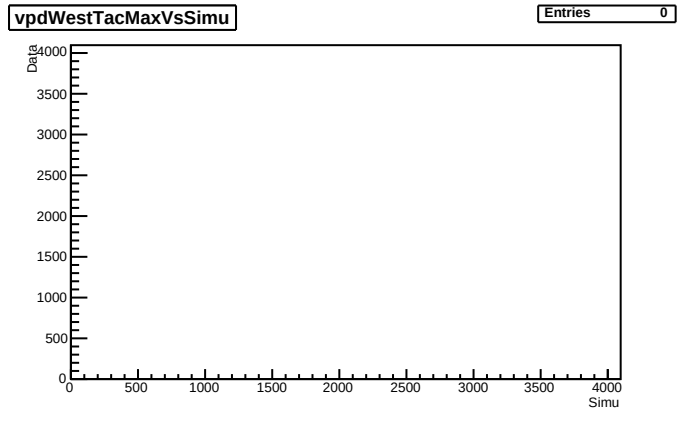

vpdEastTacMax
Entries 723740

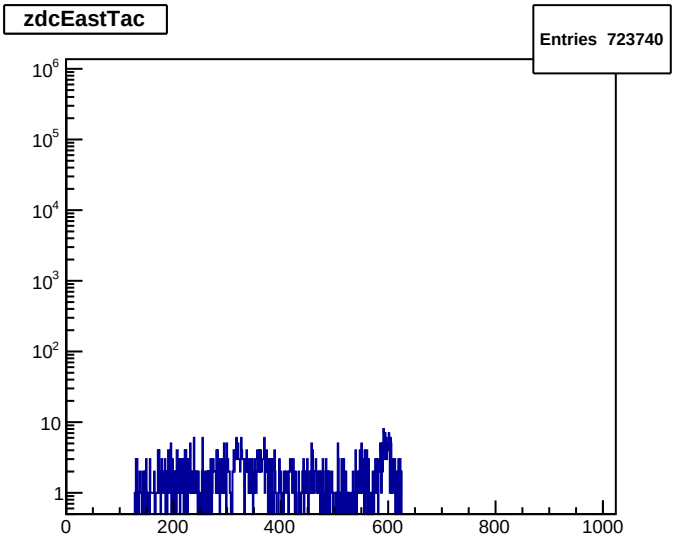

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

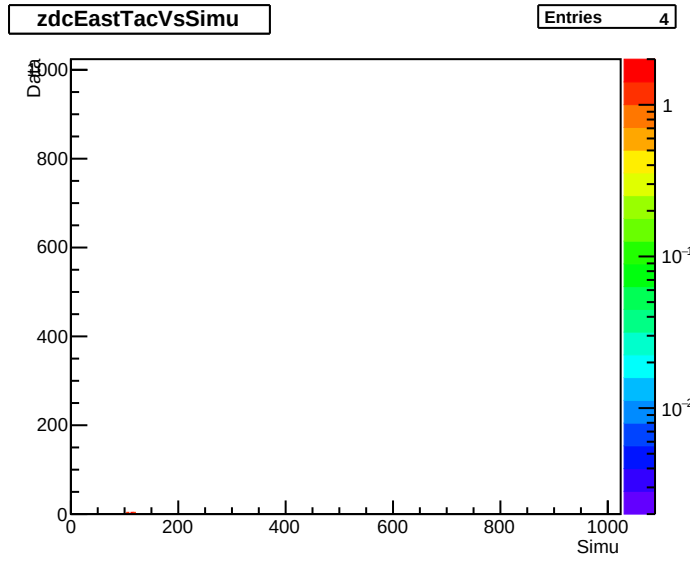

vpdWestAdcSum
Entries 723740

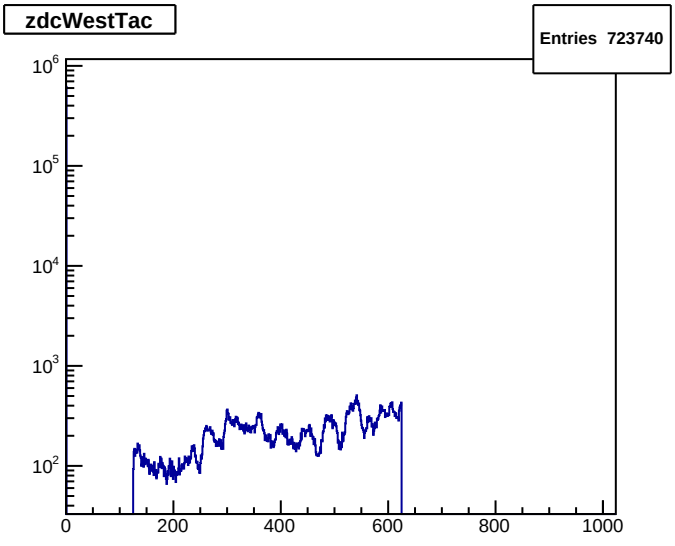

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

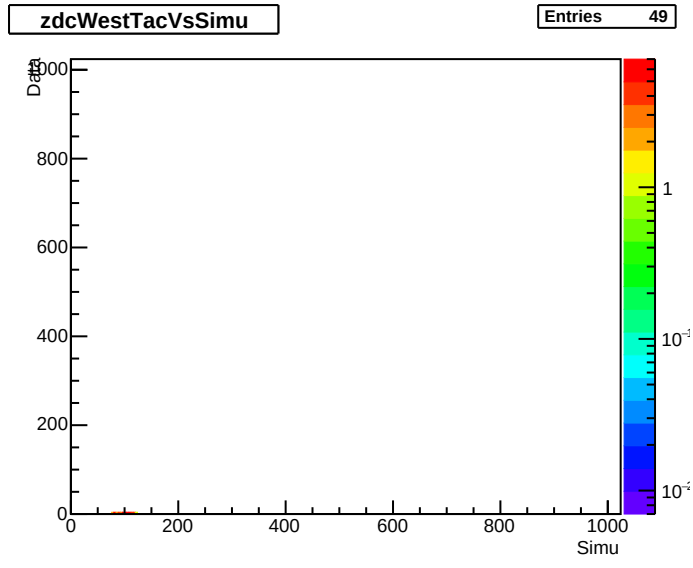

vpdWestTacMax
Entries 723740

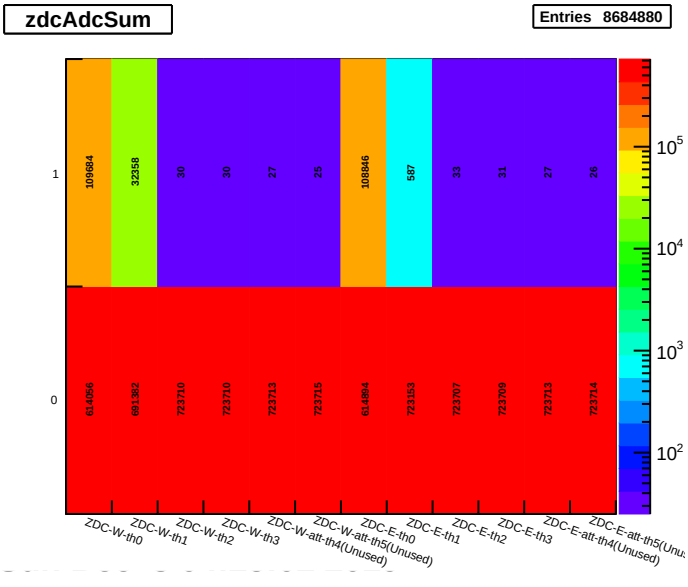

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

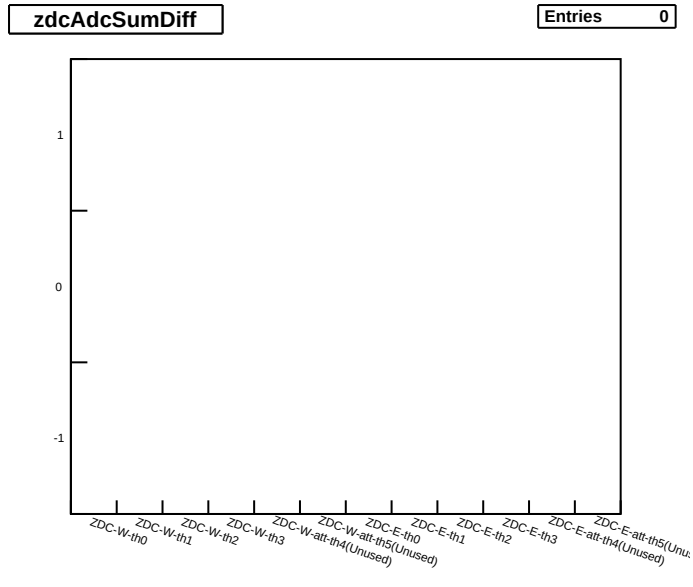

zdcEastTac
Entries 723740

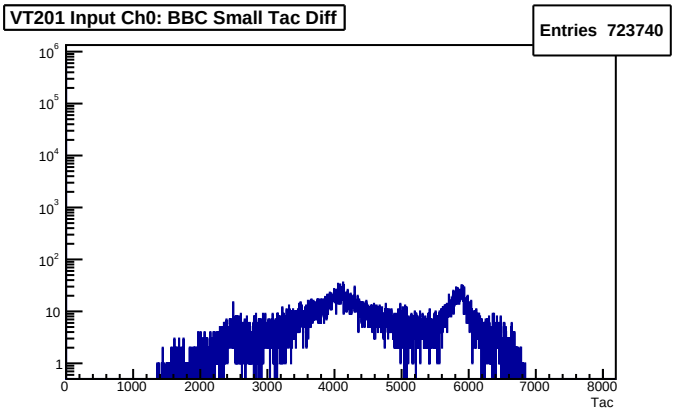

zdcEastTacVsSimu
Entries 4
Data
Simu

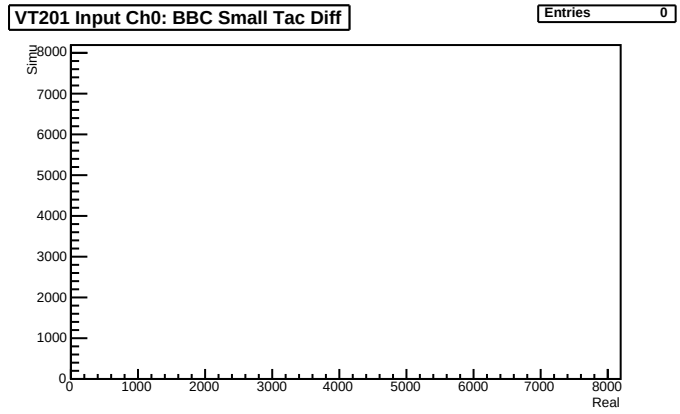

zdcWestTac
Entries 723740

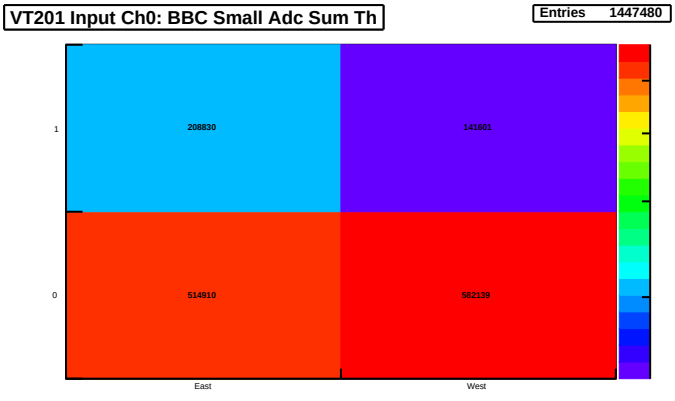

zdcWestTacVsSimu
Entries 49
Data
Simu

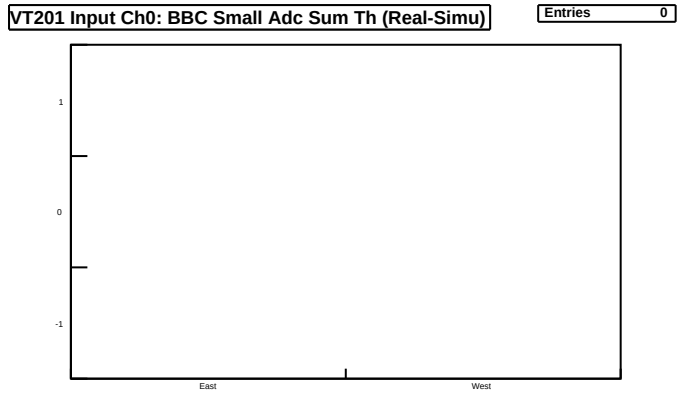

zdcAdcSum
Entries 8684880
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

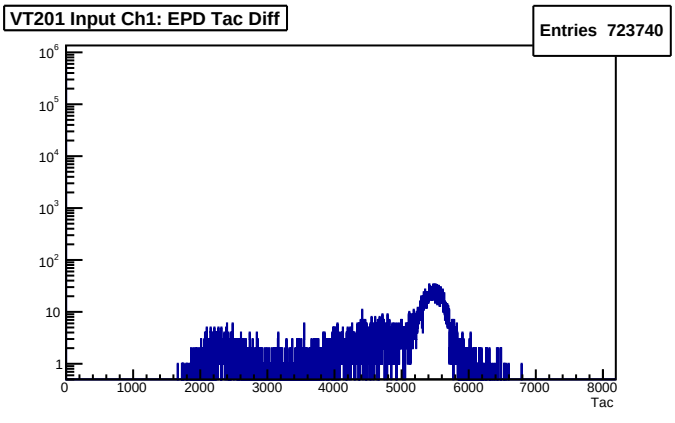

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

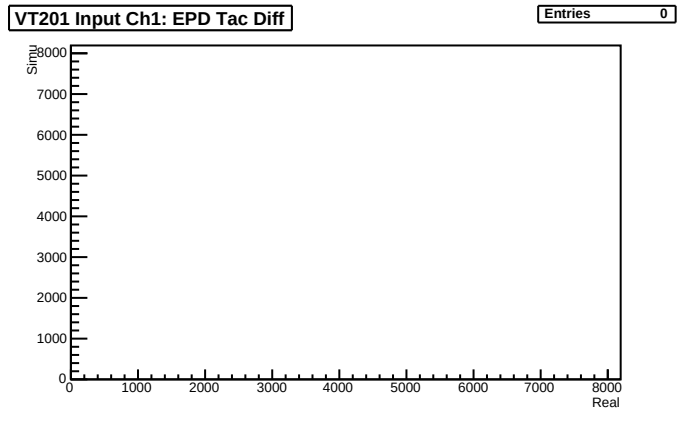

VT201 Input Ch0: BBC Small Tac Diff
Entries 723740
Tac

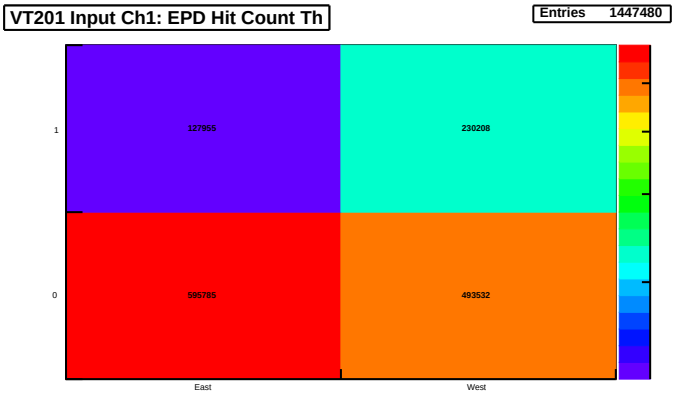

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

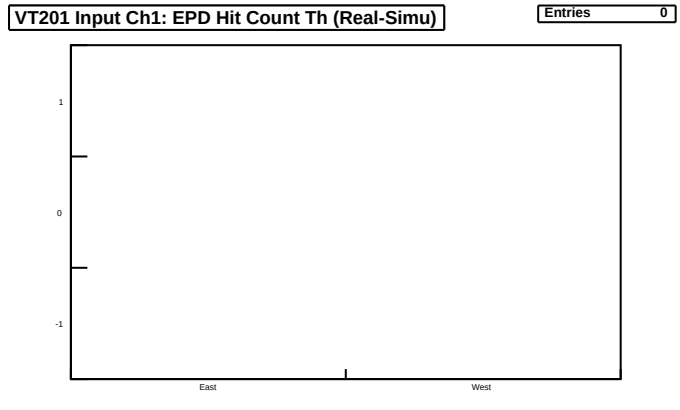

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1447480
208830
141601
514910
582139
East
West

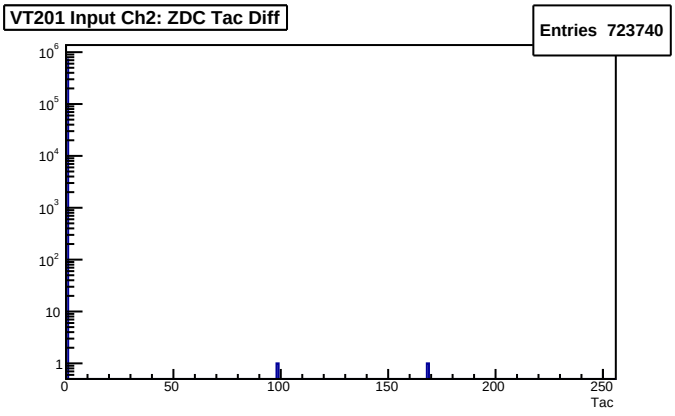

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

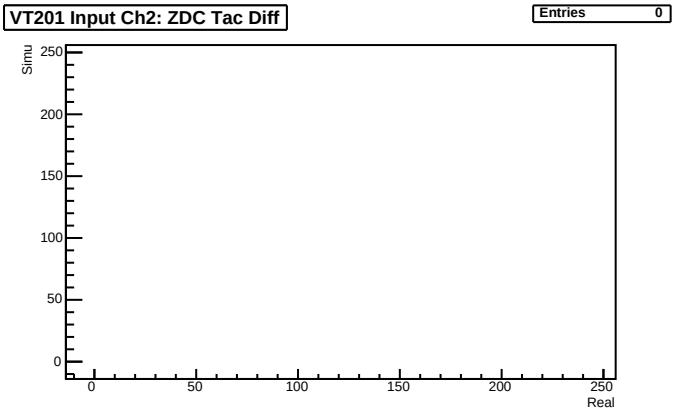

VT201 Input Ch1: EPD Tac Diff
Entries 723740
Tac

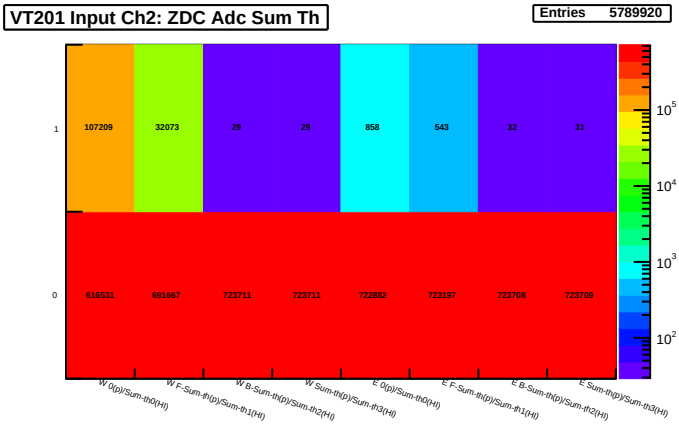

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

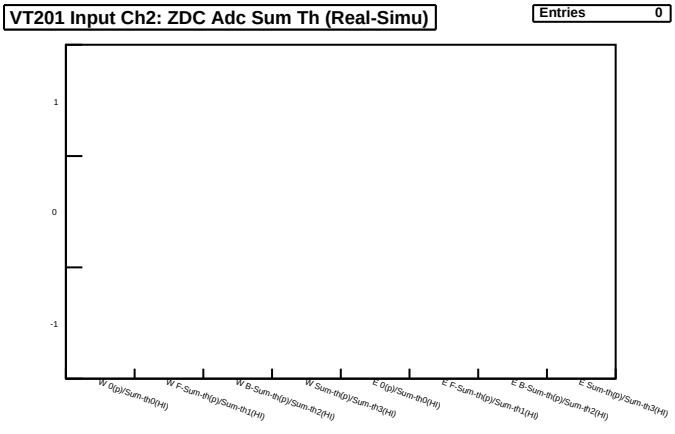

VT201 Input Ch1: EPD Hit Count Th
Entries 1447480
127955
230208
595785
493532
East
West

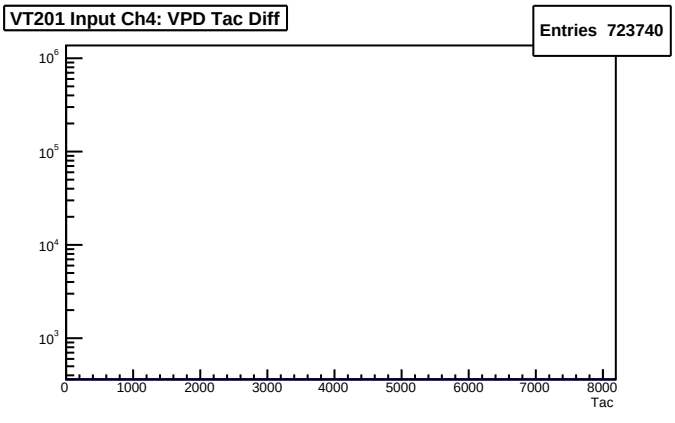

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

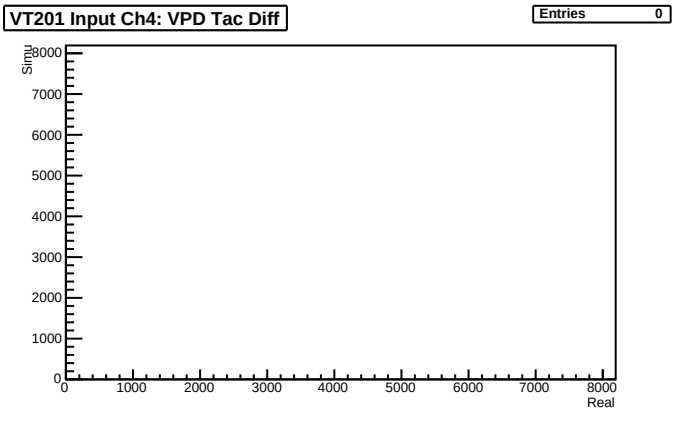

VT201 Input Ch2: ZDC Tac Diff
Entries 723740
Tac

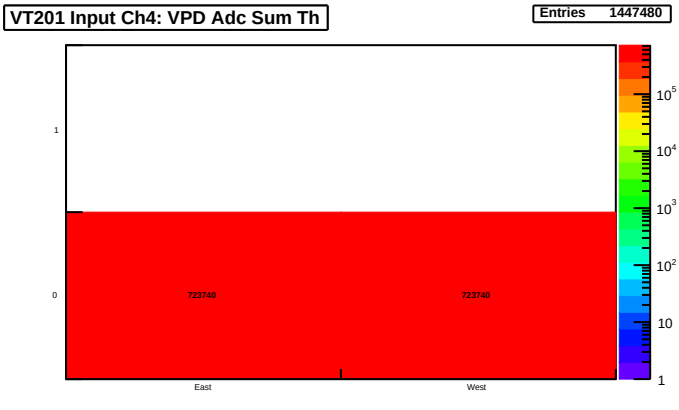

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

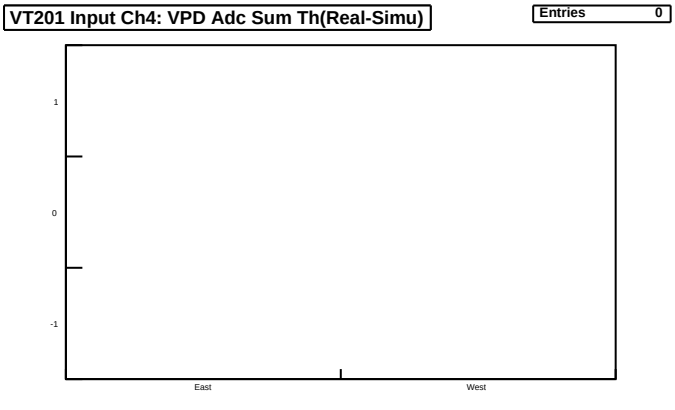

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5789920
107209
32073
29
29
858
543
32
31
616531
691667
723711
723711
722882
723197
723708
723709
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

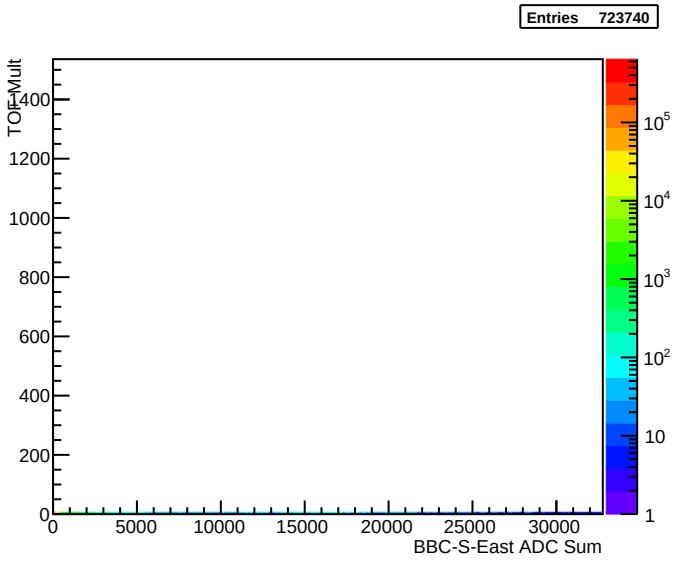

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

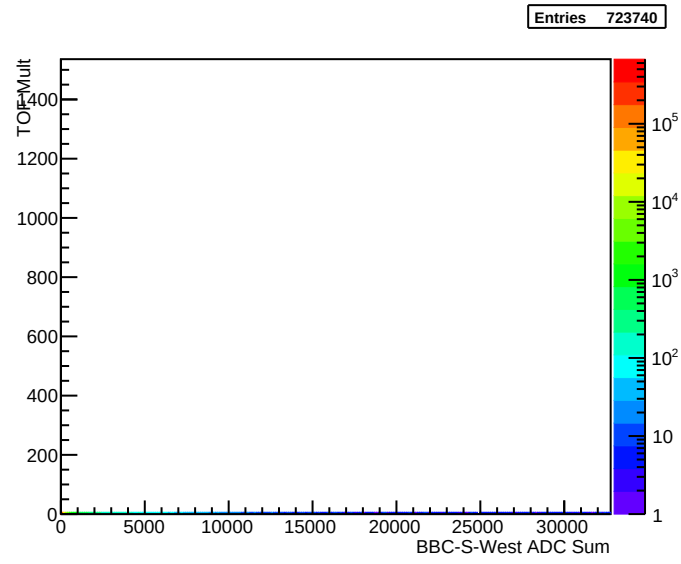

VT201 Input Ch4: VPD Tac Diff
Entries 723740
Tac

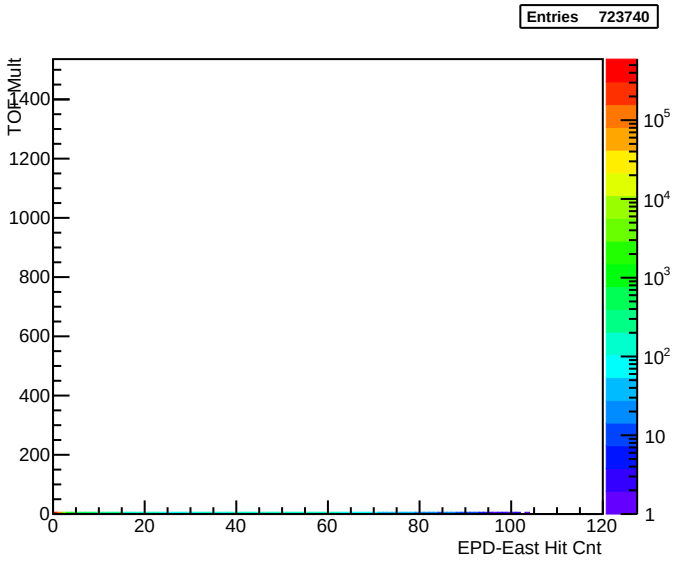

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

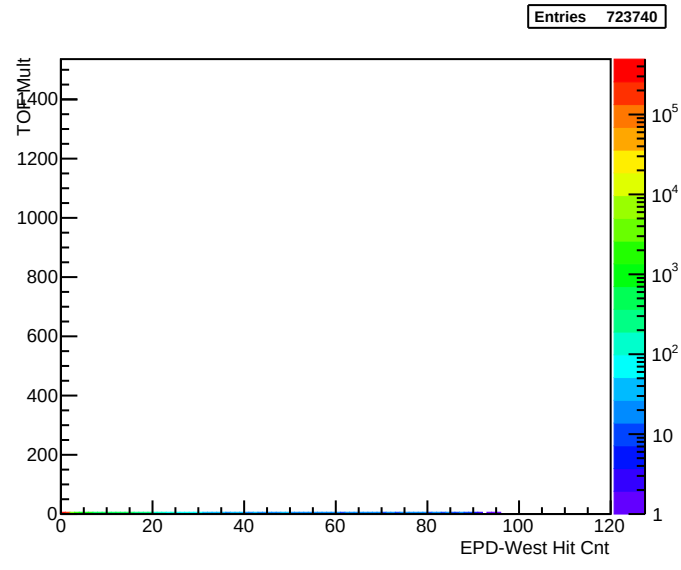

VT201 Input Ch4: VPD Adc Sum Th
Entries 1447480
723740
723740
East
West

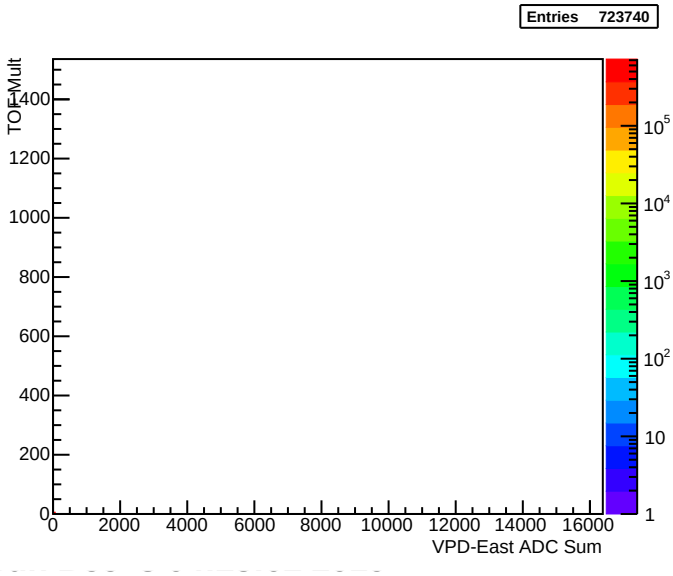

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

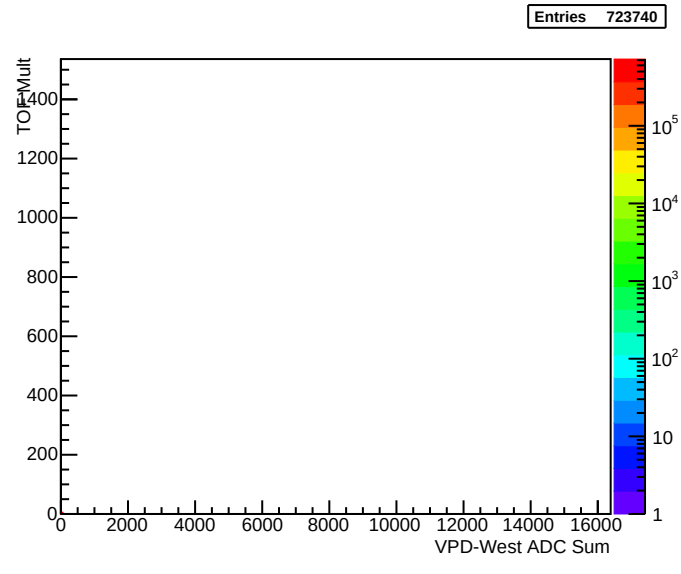

Entries 723740
TOF-Mult
BBC-S-East ADC Sum

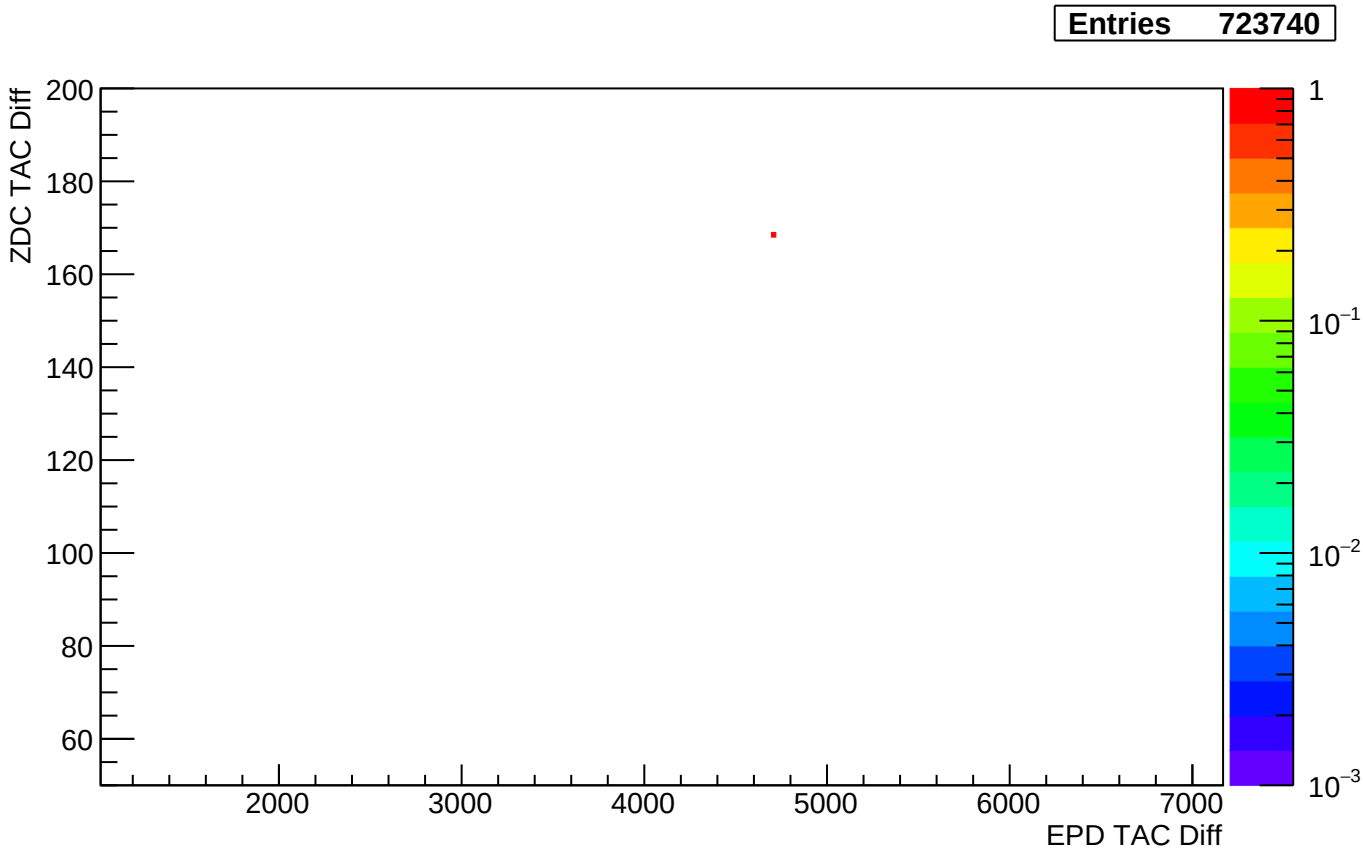

Entries 723740
TOF-Mult
BBC-S-West ADC Sum

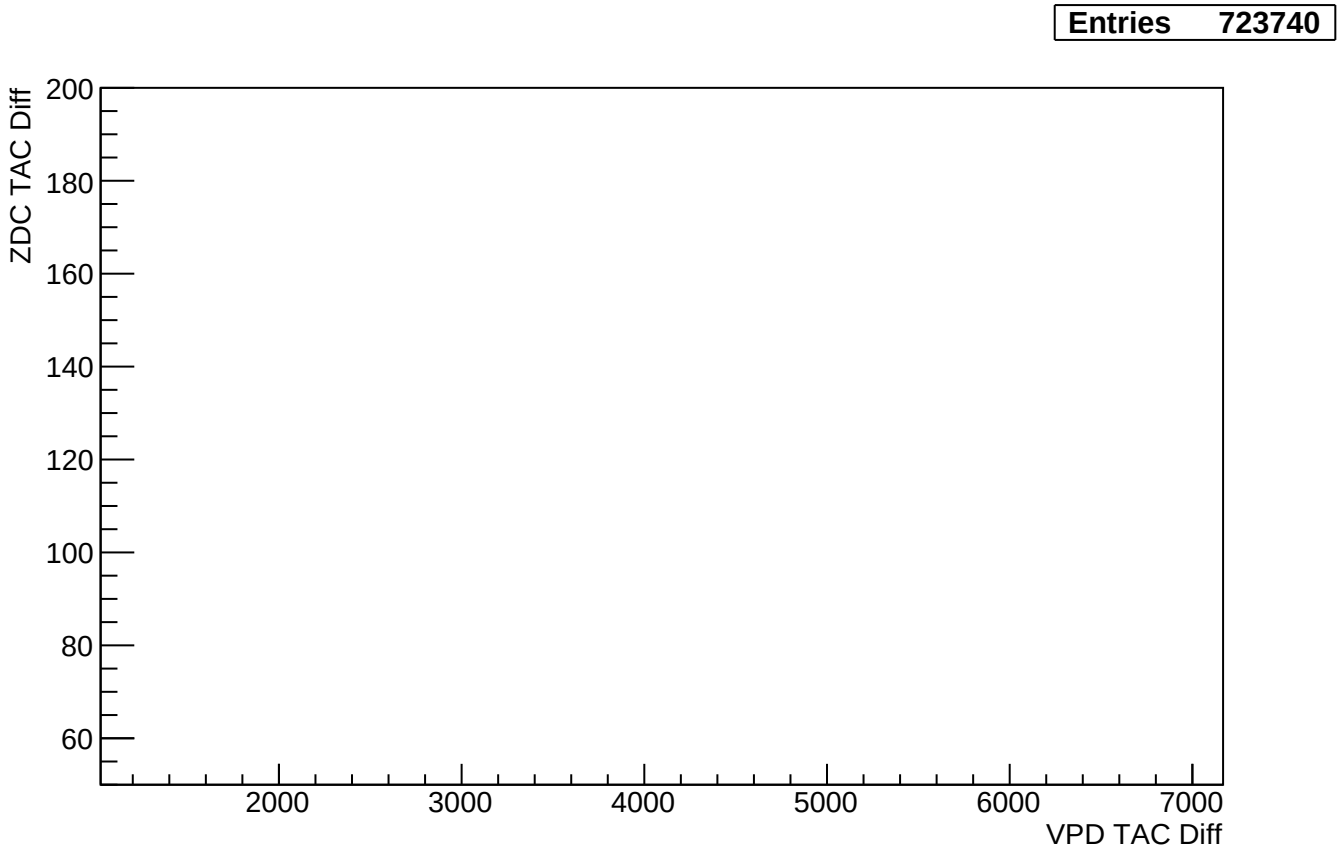

Entries 723740
TOF-Mult
EPD-East Hit Cnt

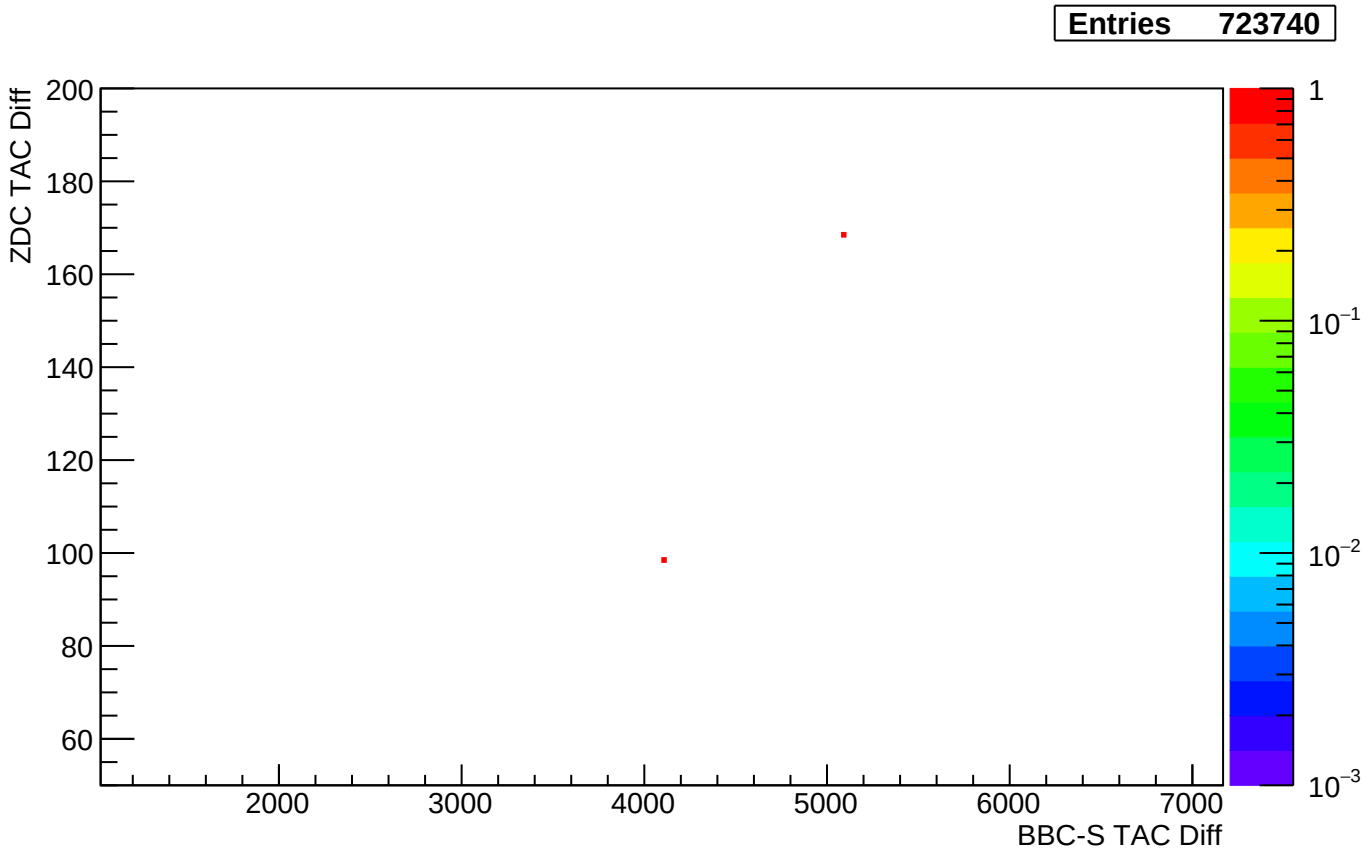

Entries 723740
TOF-Mult
EPD-West Hit Cnt

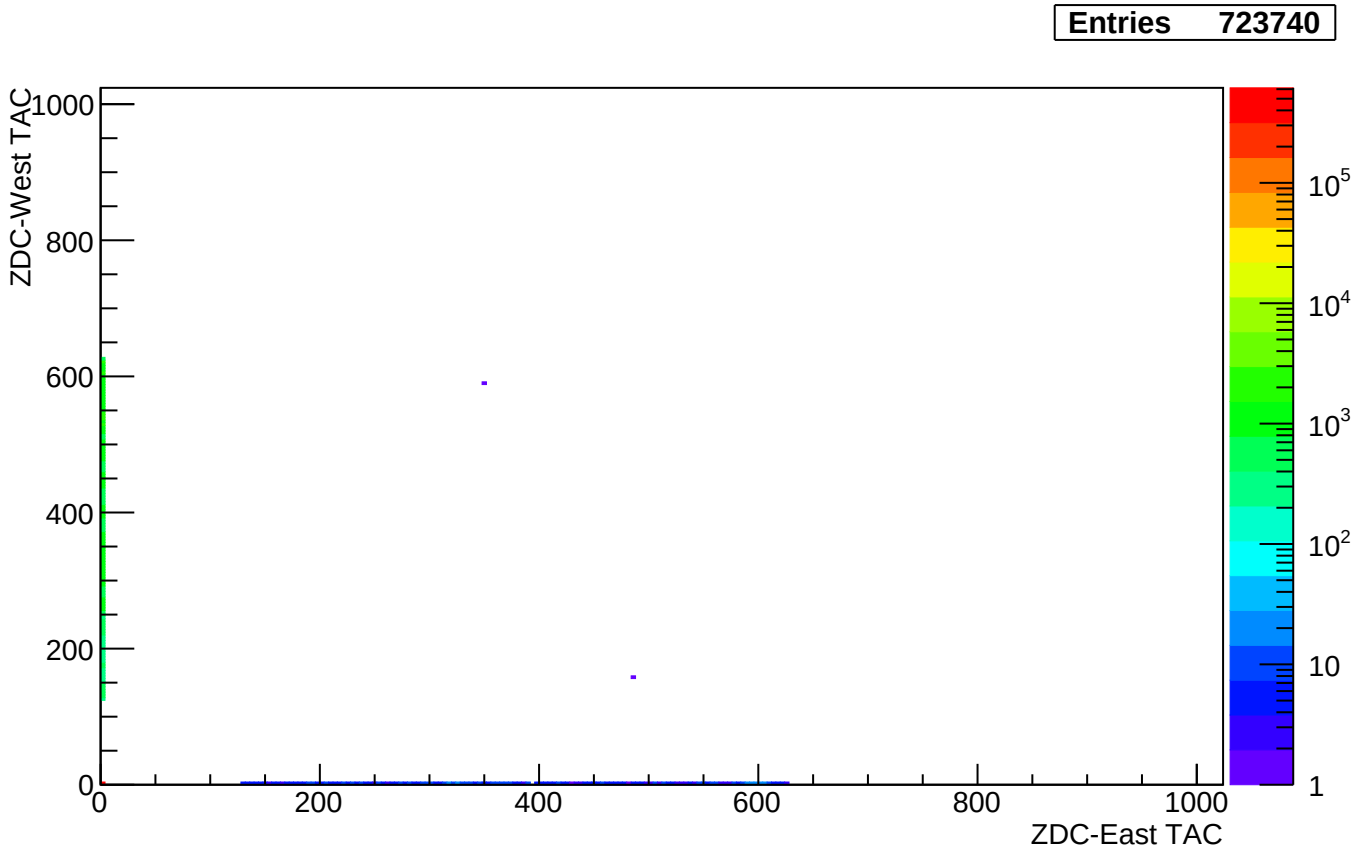

Entries 723740
TOF-Mult
VPD-East ADC Sum

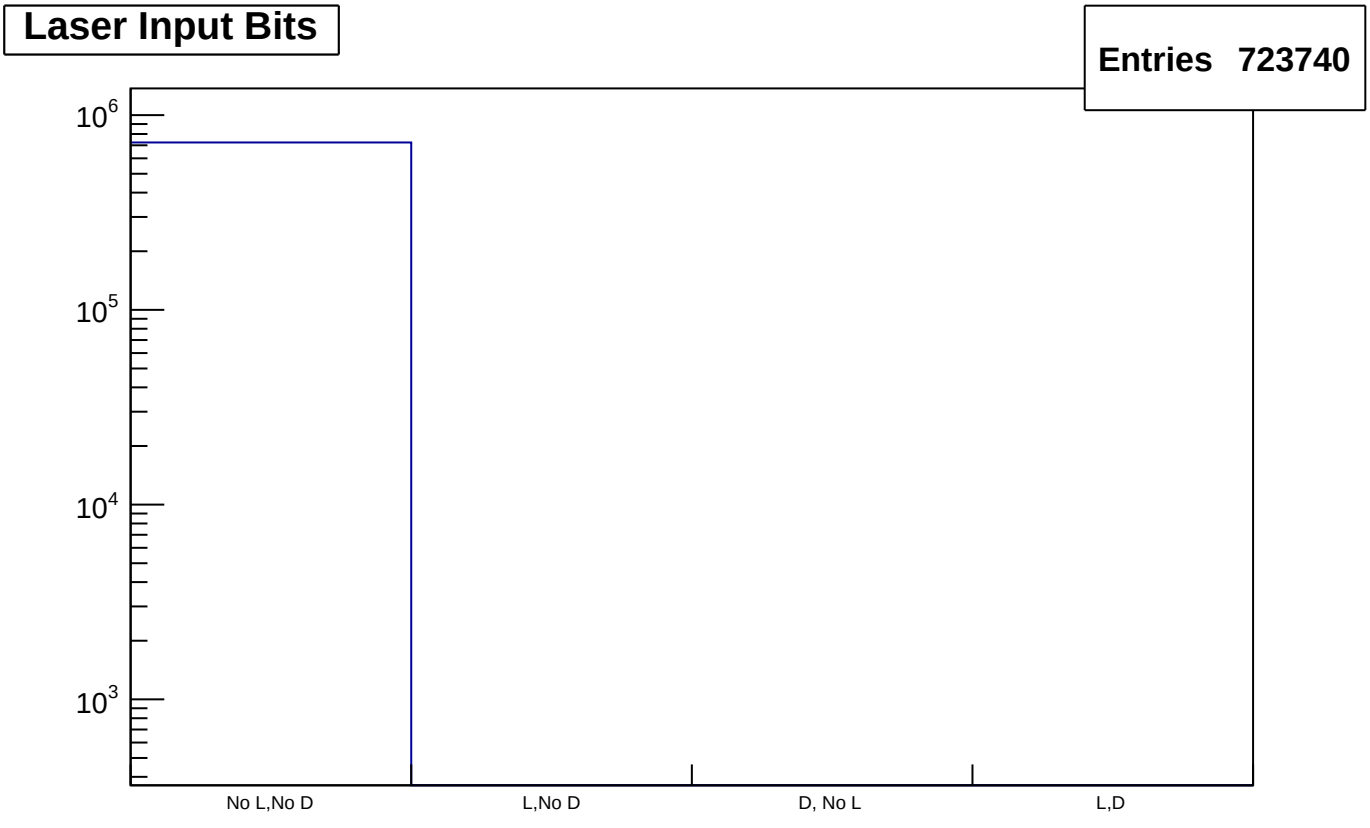

Entries 723740
TOF-Mult
VPD-West ADC Sum

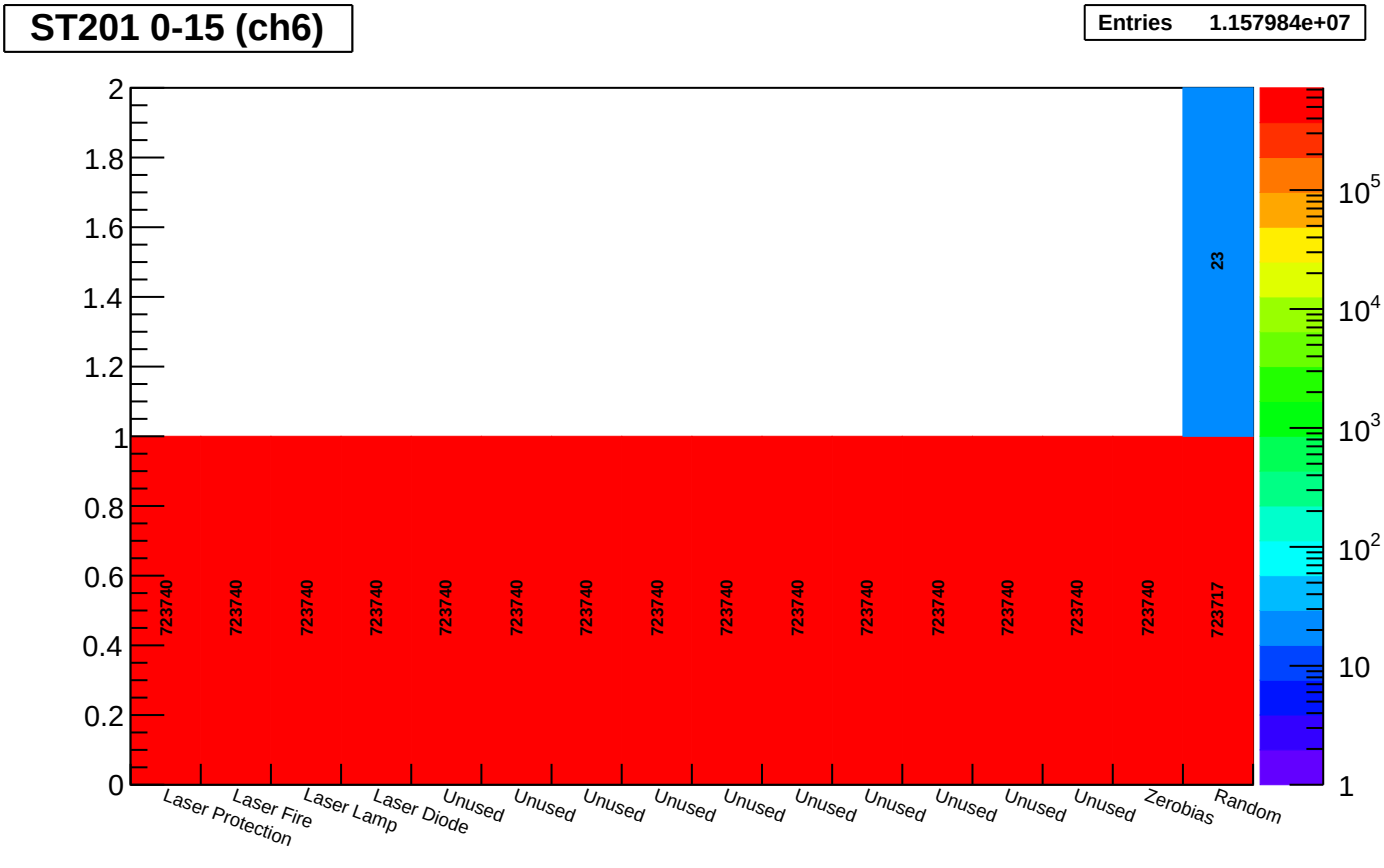

Entries 723740
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

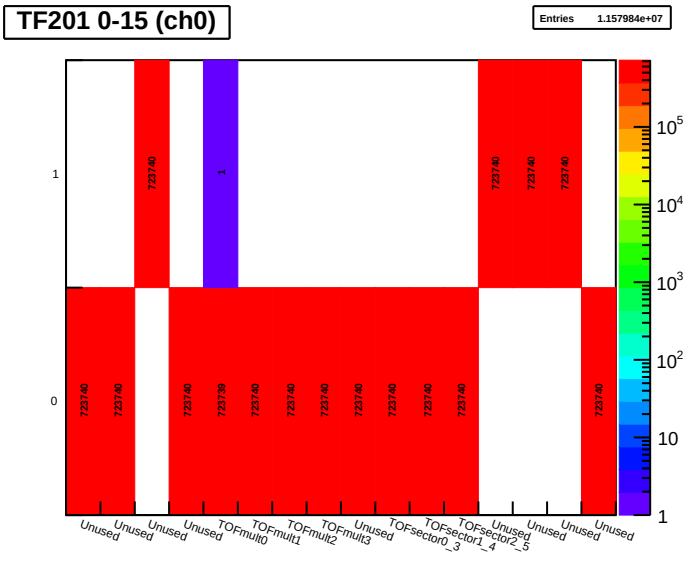

Entries 723740
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

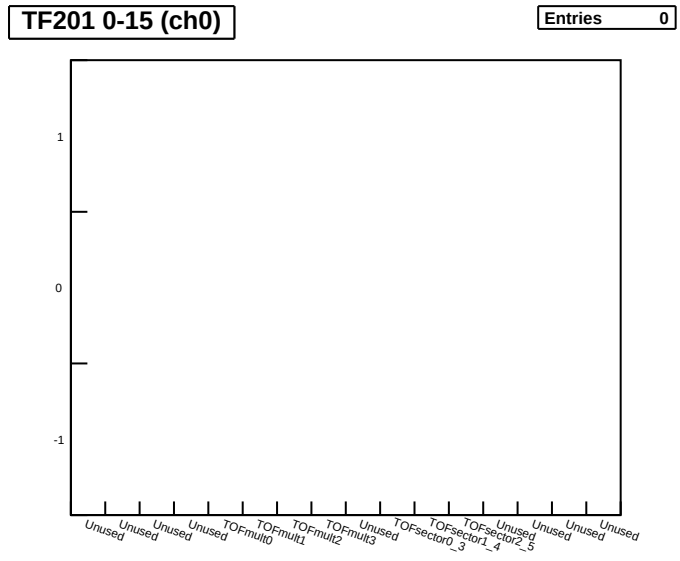

Entries 723740
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

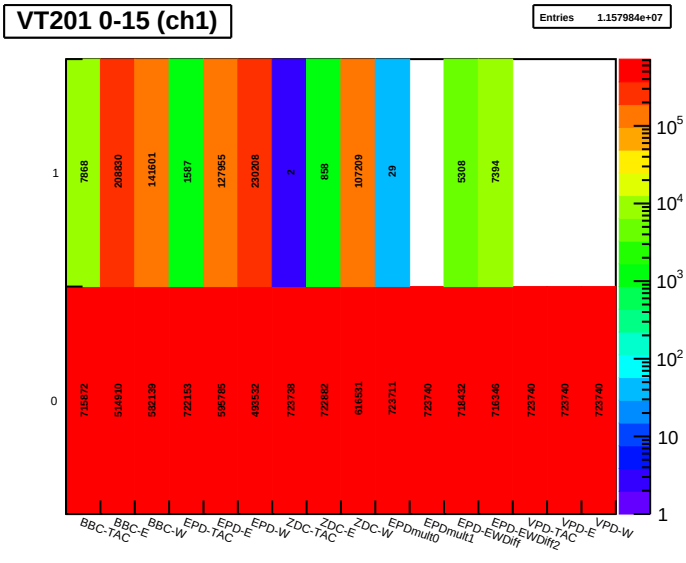

Entries 723740
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

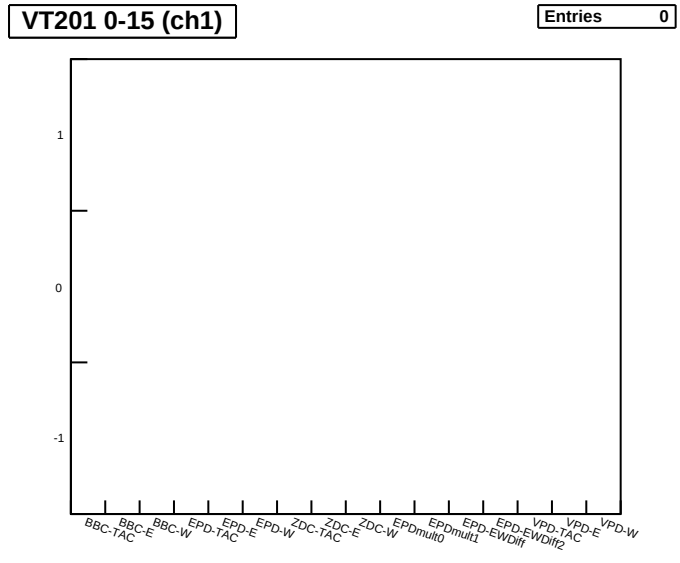

Laser Input Bits
Entries 723740
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

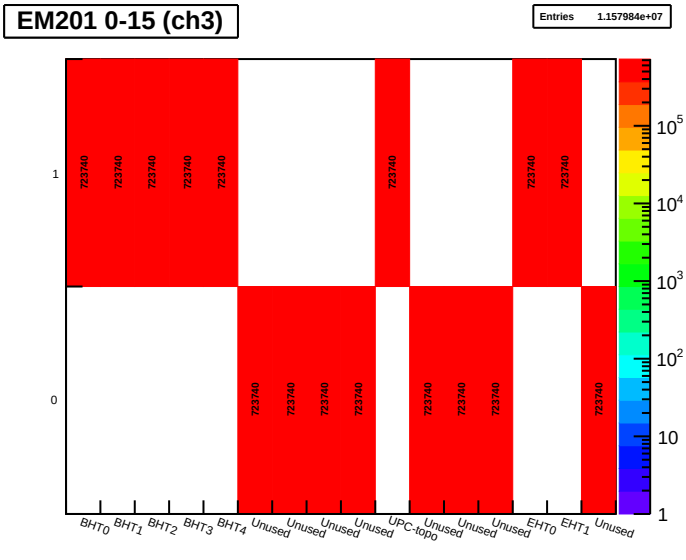

ST201 0-15 (ch6)
Entries 1.157984e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
723740
723740
723740
723740
723740
723740
723740
723740
723740
723740
723740
723740
723740
723740
723740
723717
23
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

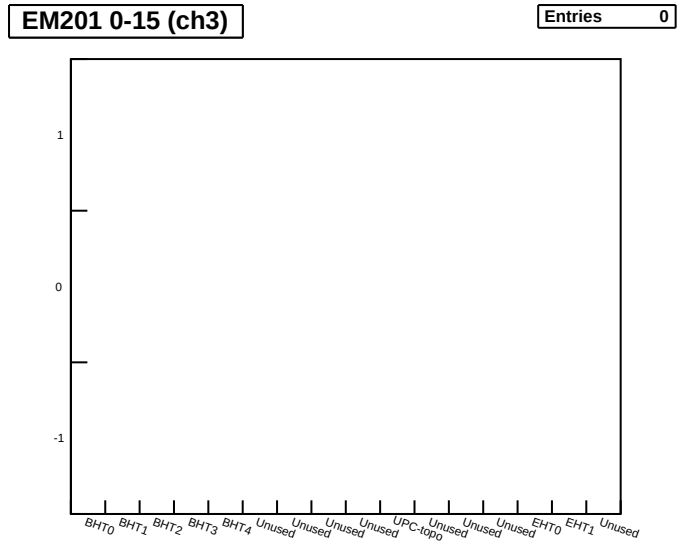

TF201 0-15 (ch0)
Entries 1.157984e+07
723740
1
723739
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 1.157984e+07
7868
208830
141601
1587
127955
230208
2
858
107209
29
5308
7394
715872
514910
582139
722153
586785
493532
723738
722882
616531
723711
723740
718432
716346
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


VT201 0-15 (ch1)
Entries 0
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 1.157984e+07
723740
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


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