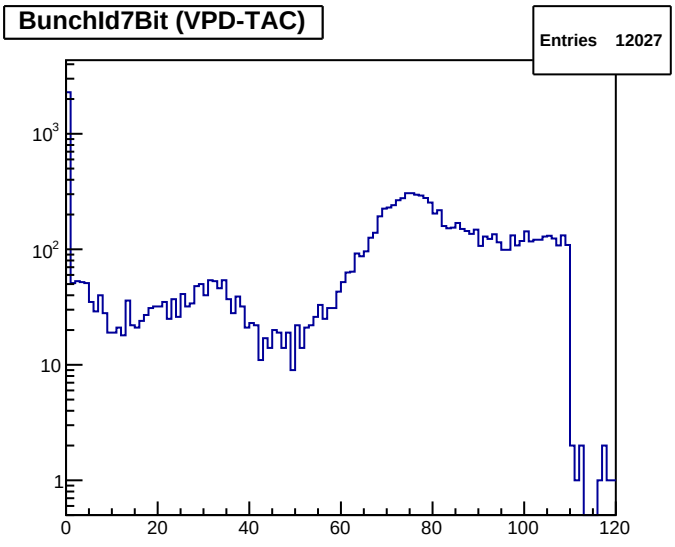
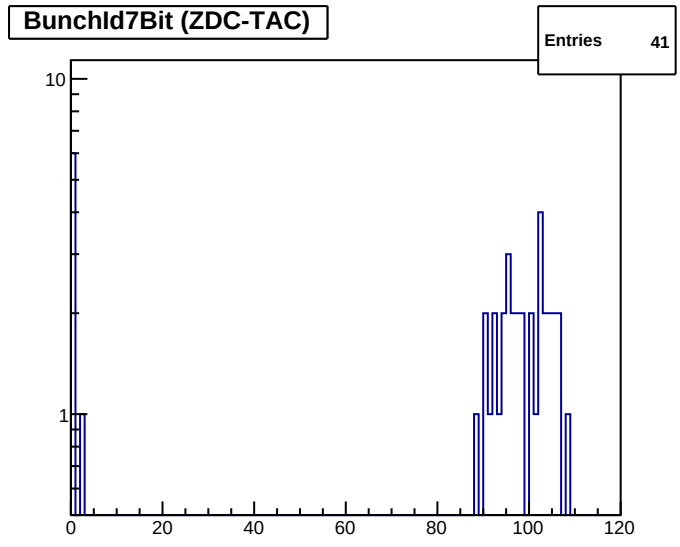
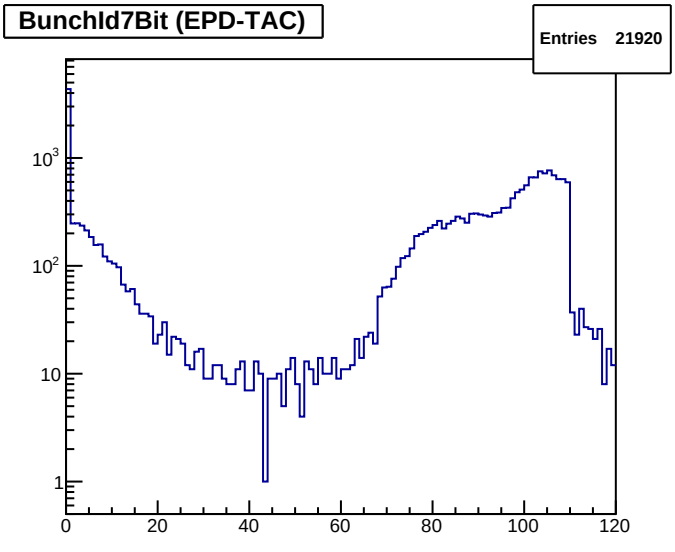
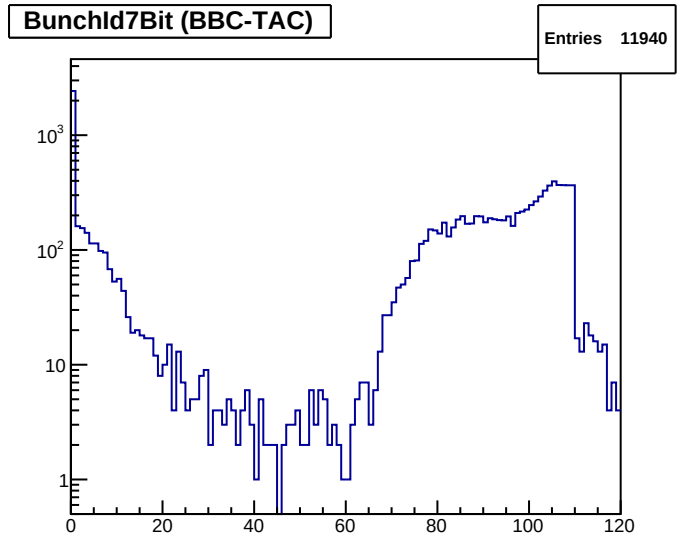
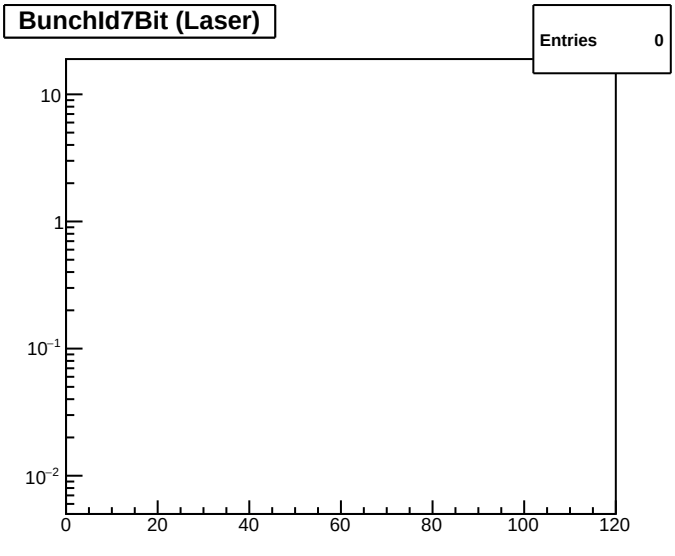
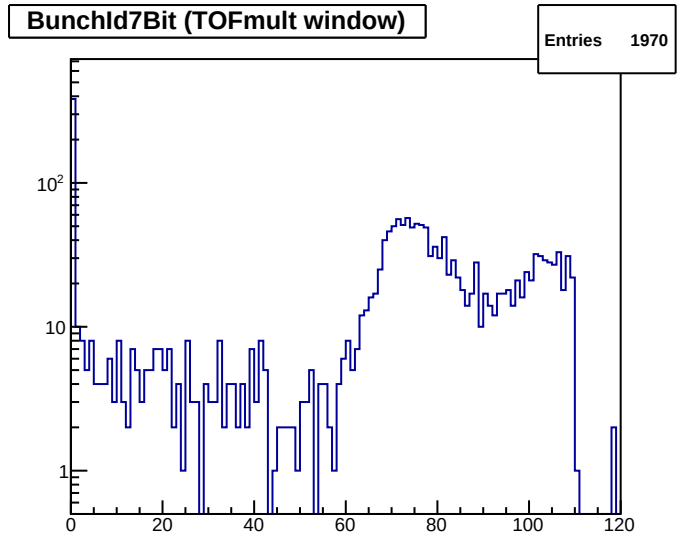

BunchId7Bit (VPD-TAC)
Entries 12027

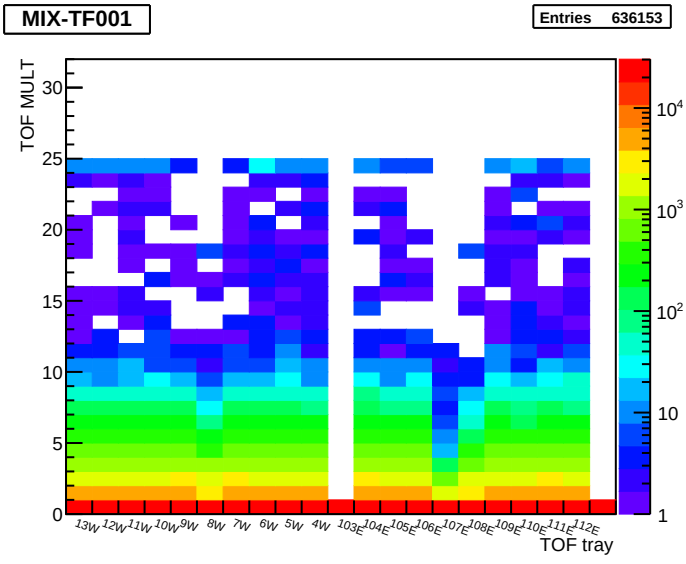

BunchId7Bit (ZDC-TAC)
Entries 41

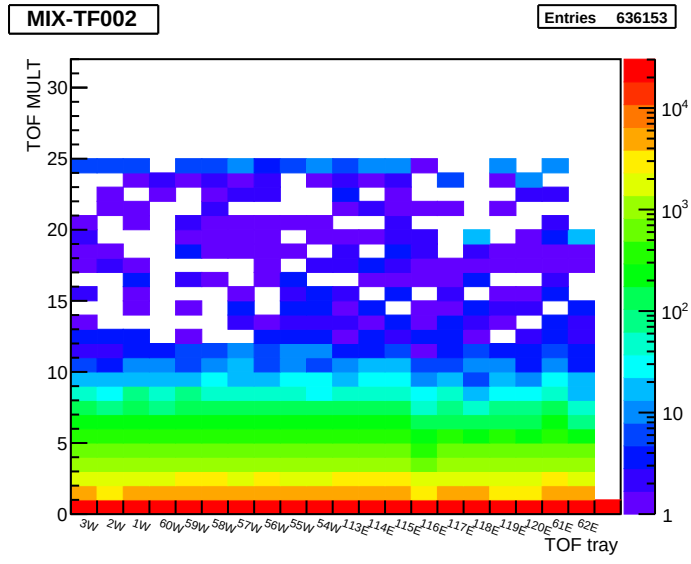

BunchId7Bit (EPD-TAC)
Entries 21920

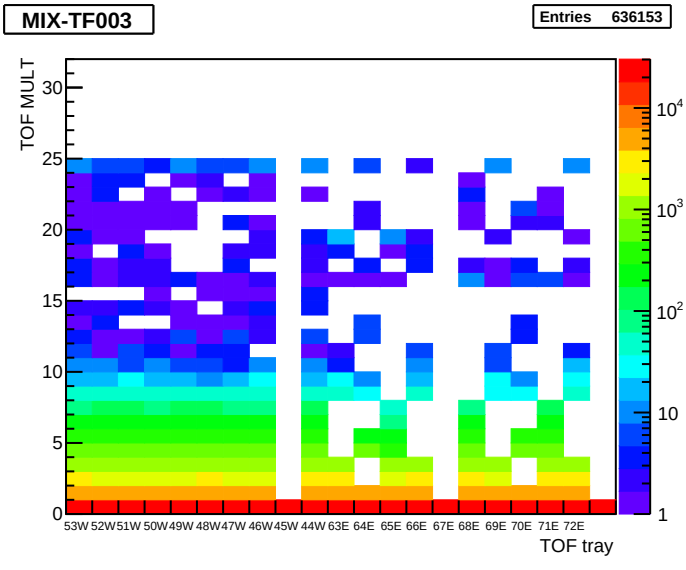

BunchId7Bit (BBC-TAC)
Entries 11940

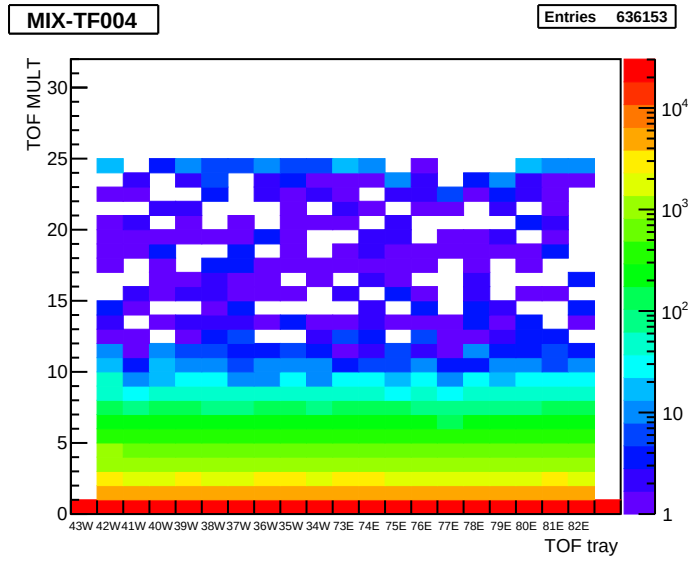

BunchId7Bit (Laser)
Entries 0

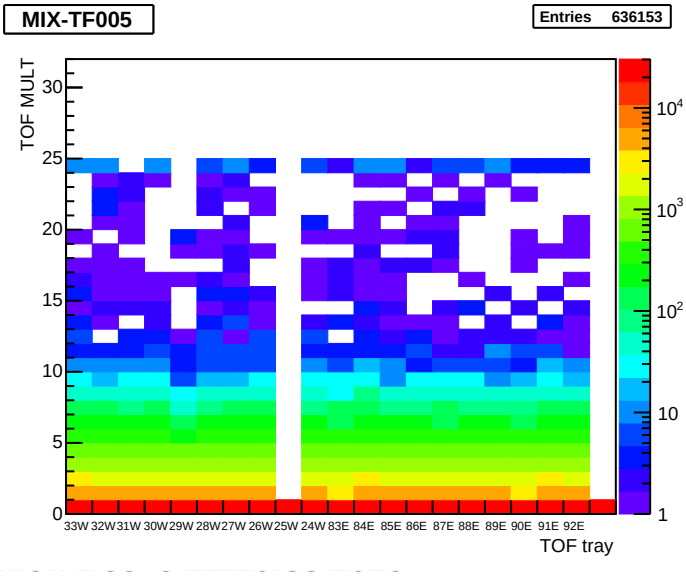

BunchId7Bit (TOFmult window)
Entries 1970

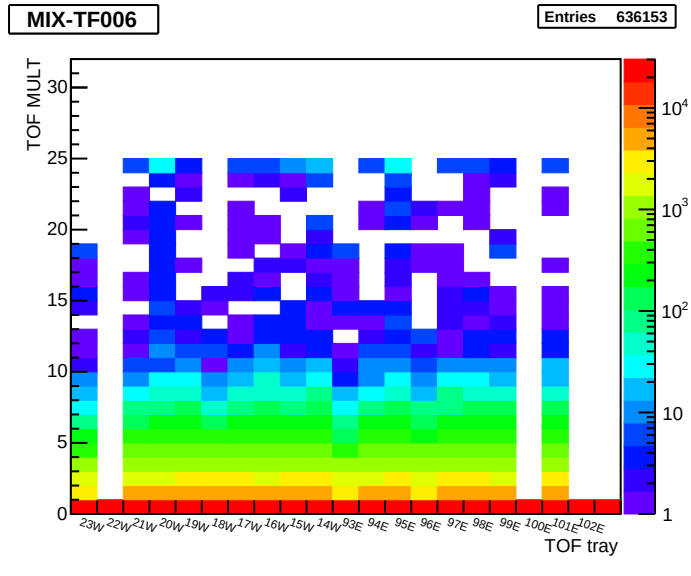

MIX-TF001
Entries 636153
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

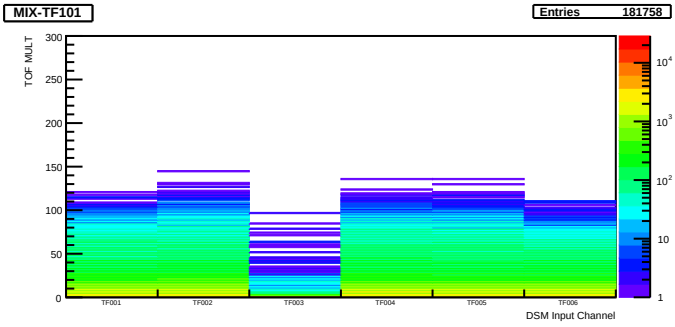

MIX-TF002
Entries 636153
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

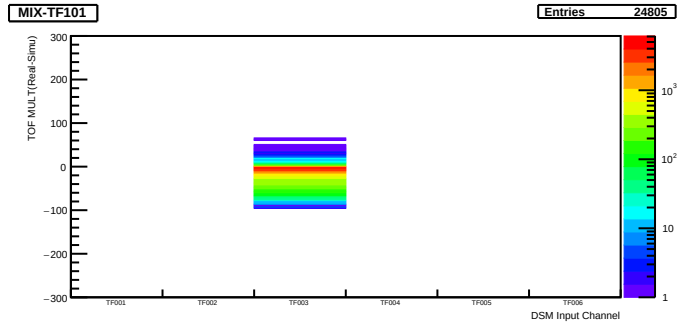

MIX-TF003
Entries 636153
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

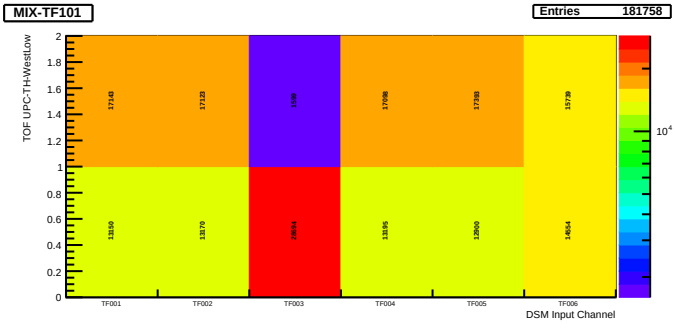

MIX-TF004
Entries 636153
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

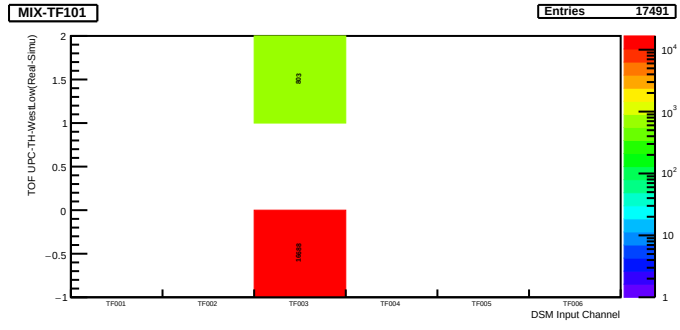

MIX-TF005
Entries 636153
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

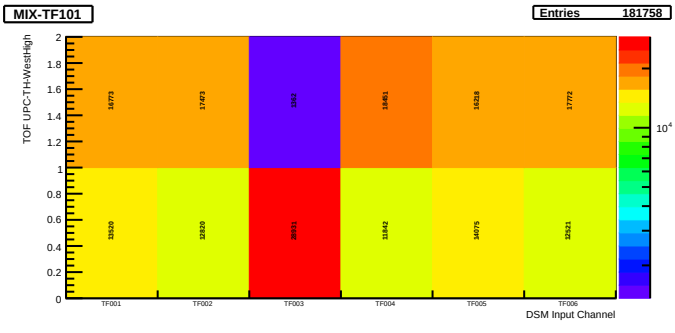

MIX-TF006
Entries 636153
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

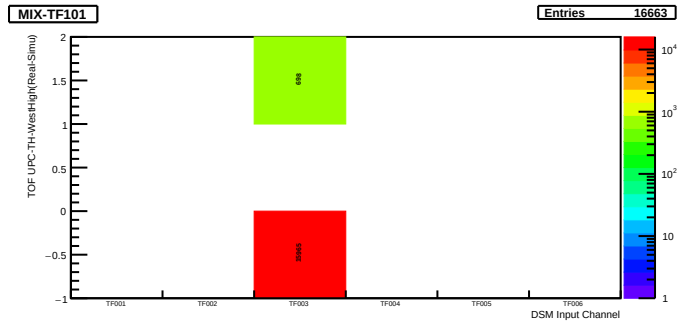

MIX-TF101
Entries 181758
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

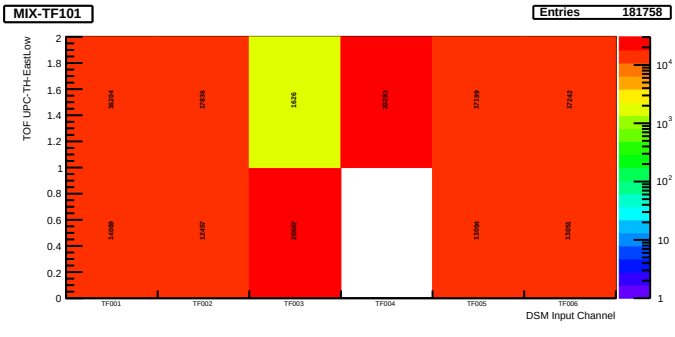

MIX-TF101
Entries 24805
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

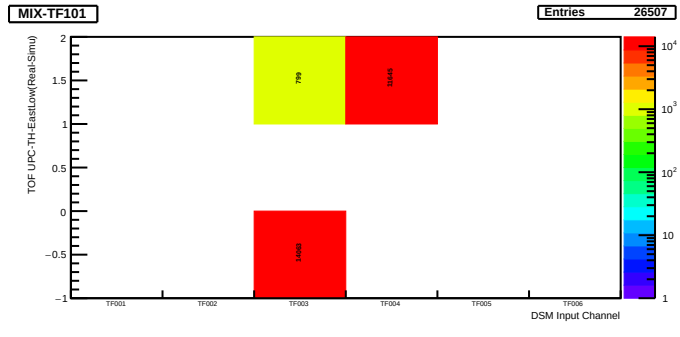

MIX-TF101
Entries 181758
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

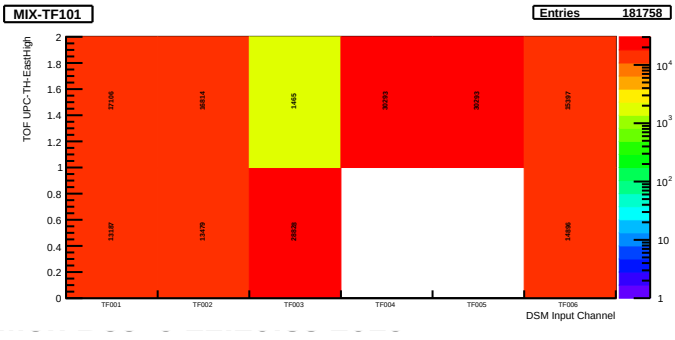

MIX-TF101
Entries 17491
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

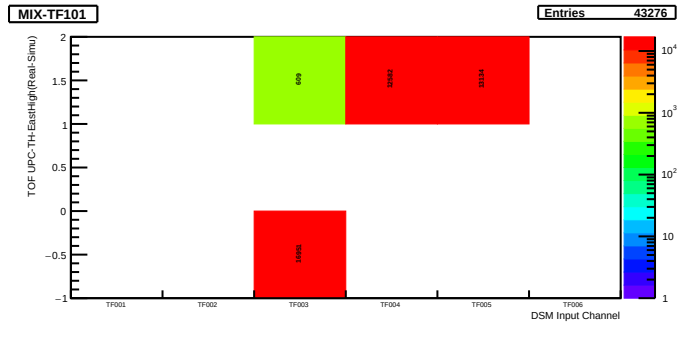

MIX-TF101
Entries 181758
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

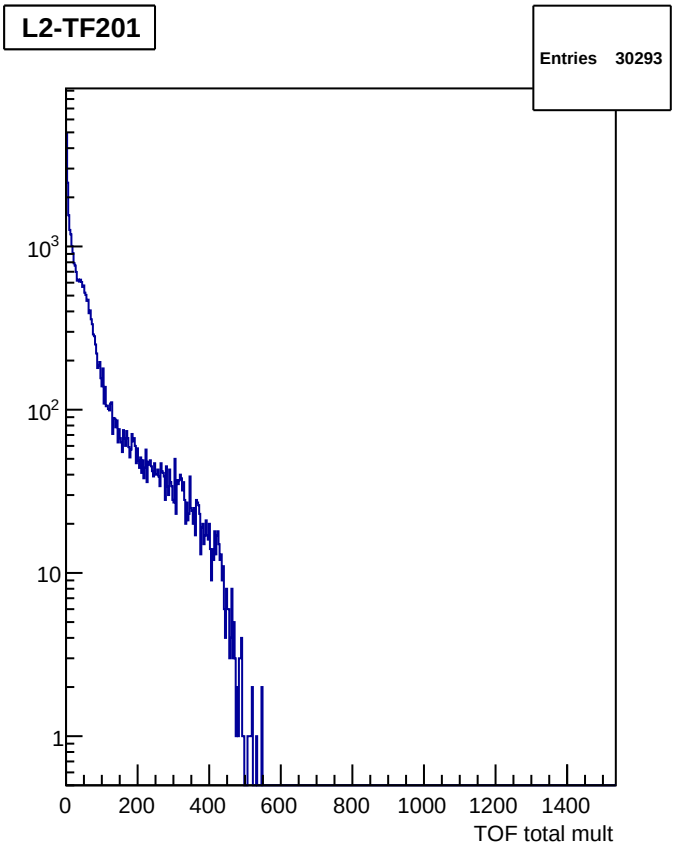

MIX-TF101
Entries 16663
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

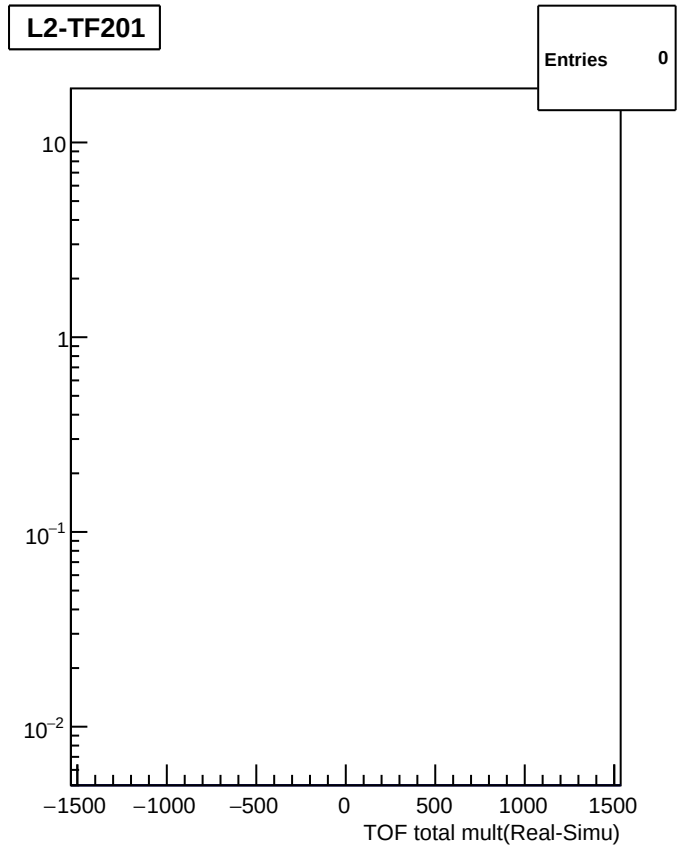

MIX-TF101
Entries 181758
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

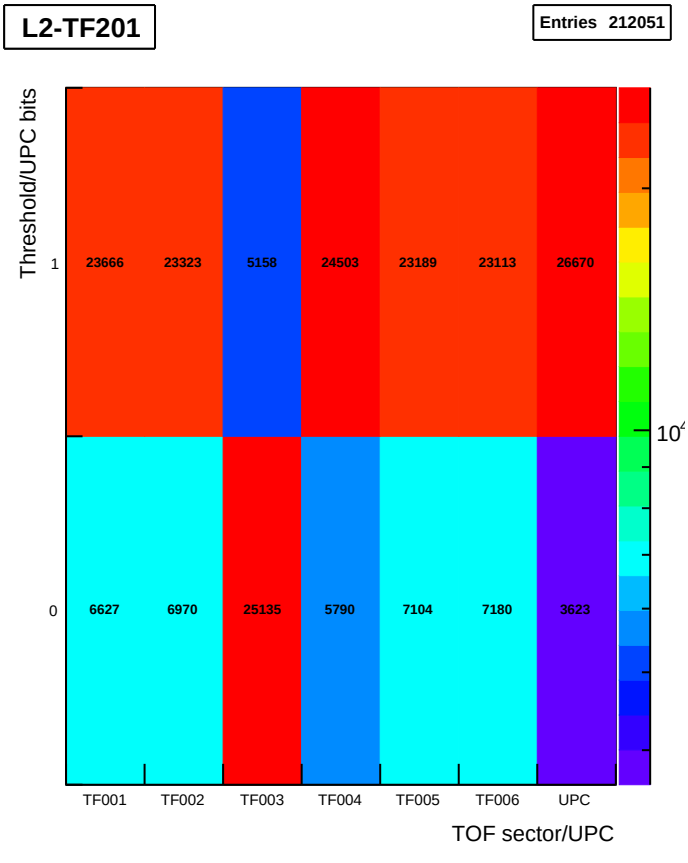

MIX-TF101
Entries 26507
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

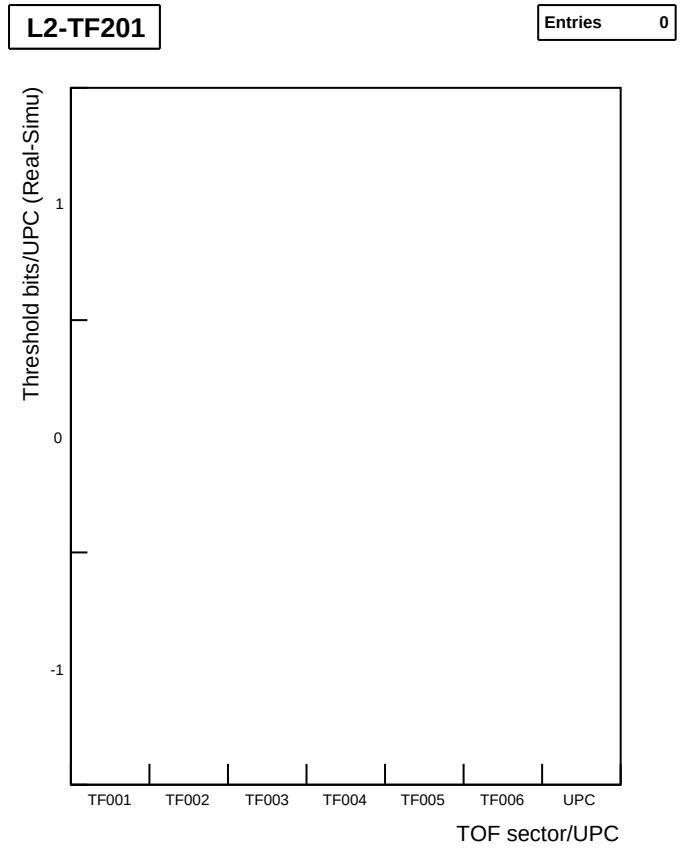

MIX-TF101
Entries 181758
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

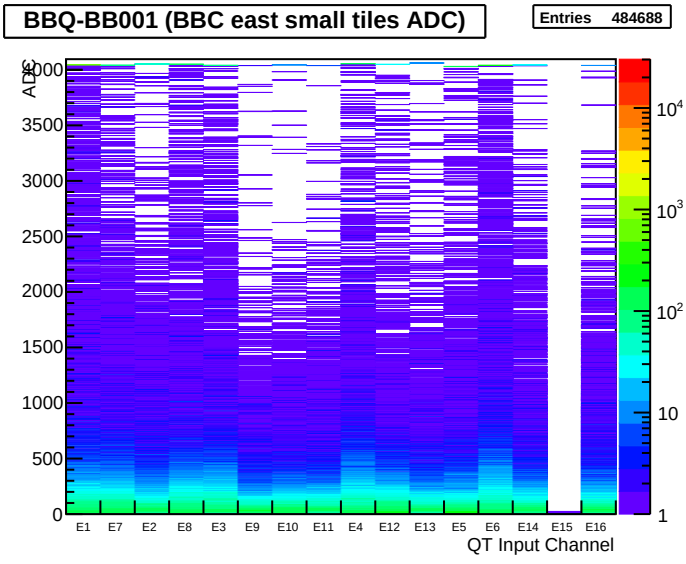

MIX-TF101
Entries 43276
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

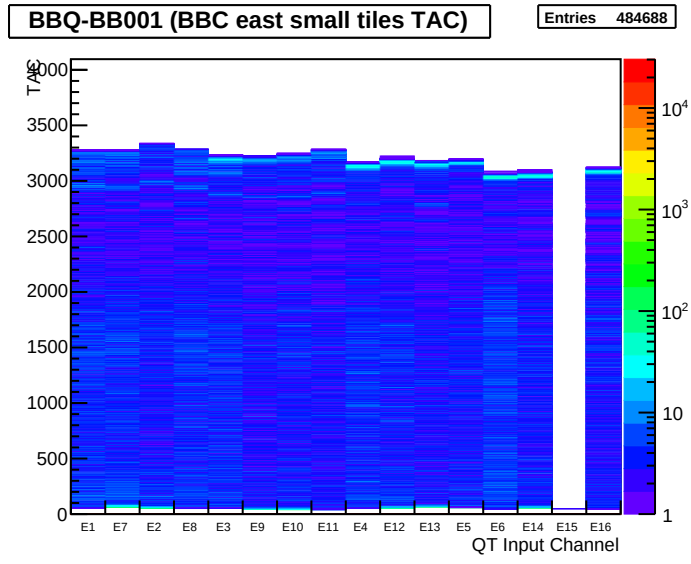

L2-TF201
Entries 30293
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

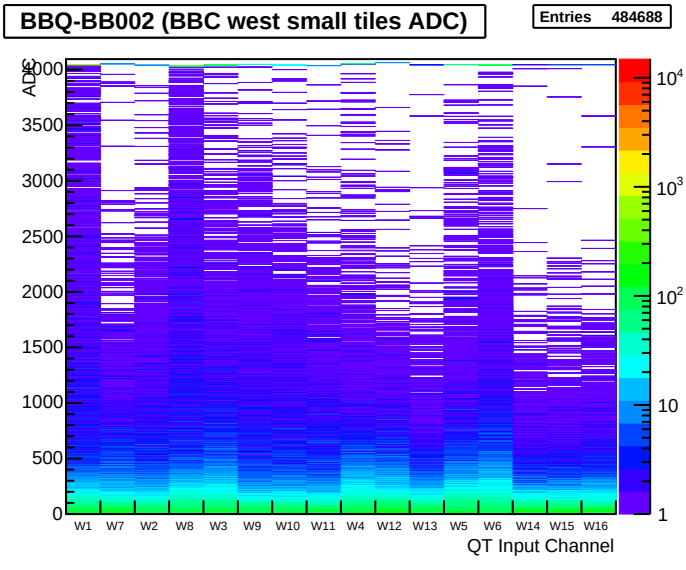

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

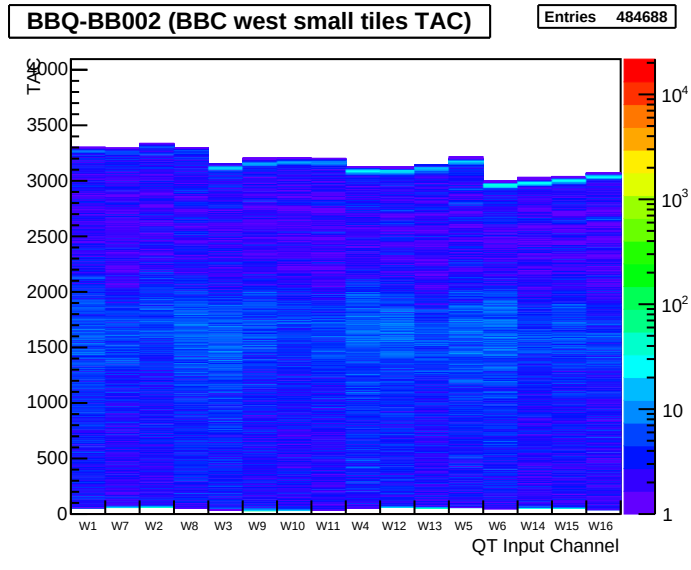

L2-TF201
Entries 212051
Threshold/UPC bits
1
0
23666
23323
5158
24503
23189
23113
26670
6627
6970
25135
5790
7104
7180
3623
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

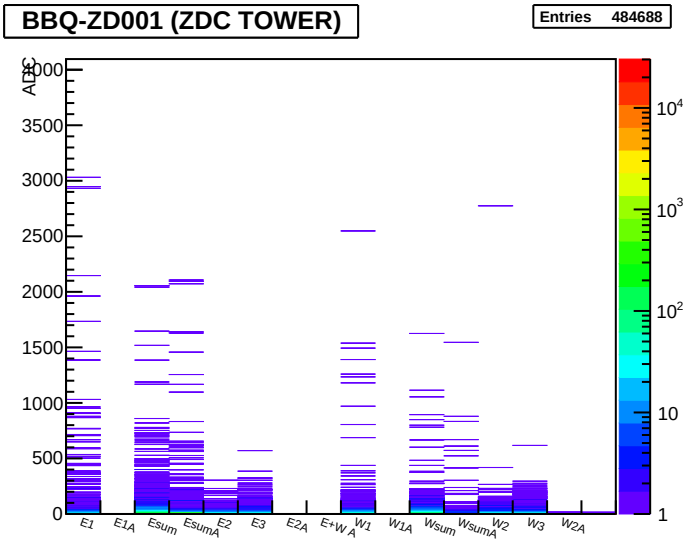

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

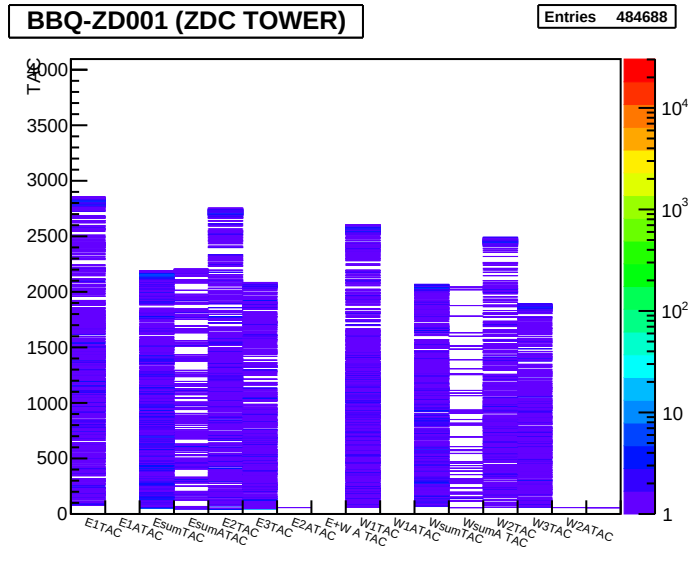

BBQ-BB001 (BBC east small tiles ADC)
Entries 484688
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

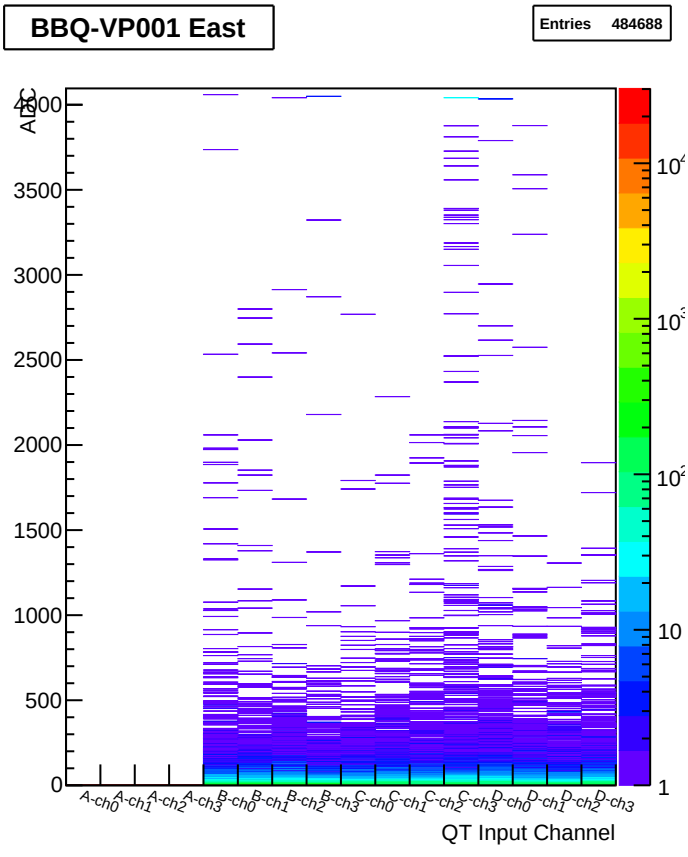

BBQ-BB001 (BBC east small tiles TAC)
Entries 484688
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

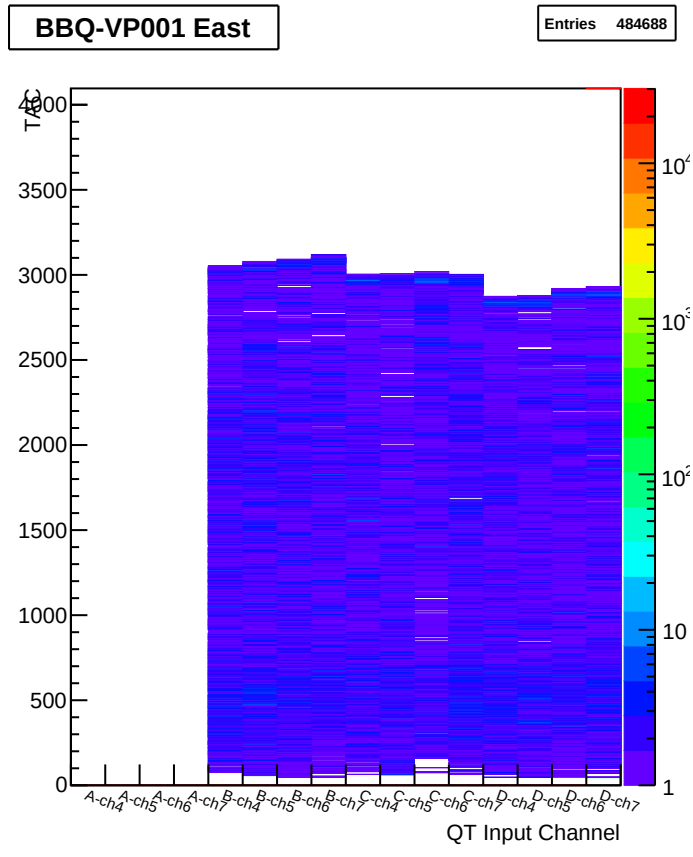

BBQ-BB002 (BBC west small tiles ADC)
Entries 484688
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

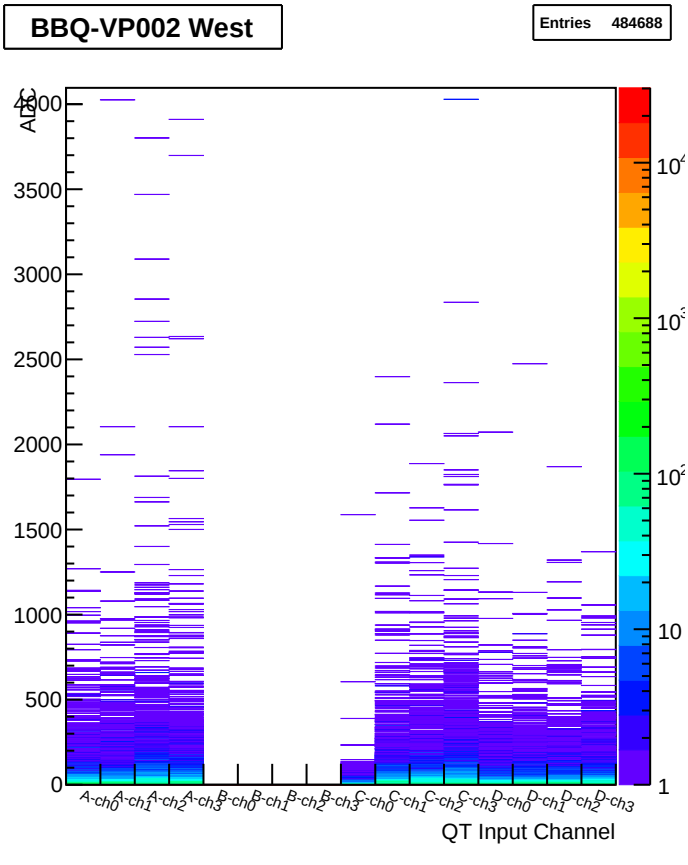

BBQ-BB002 (BBC west small tiles TAC)
Entries 484688
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

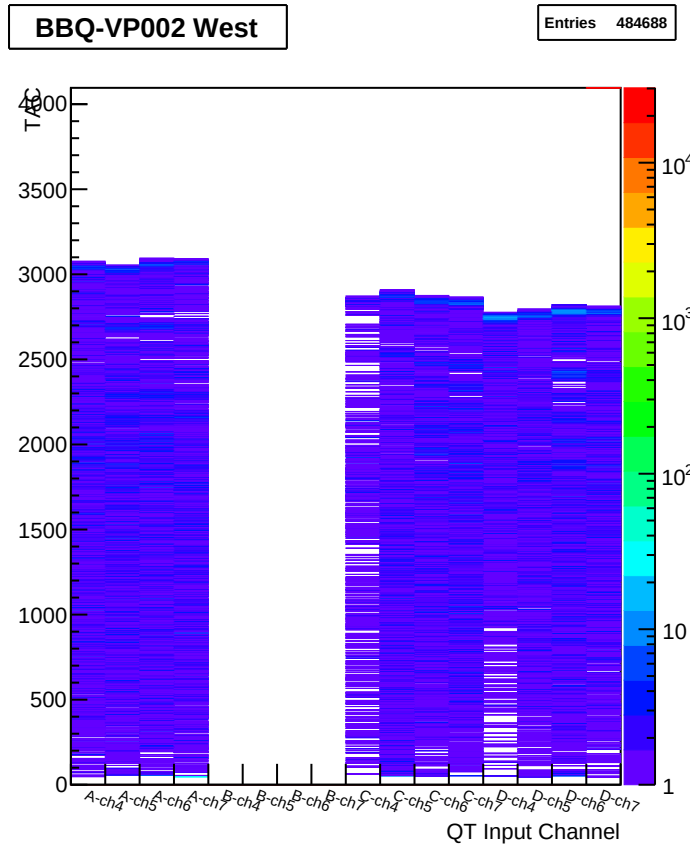

BBQ-ZD001 (ZDC TOWER)
Entries 484688
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

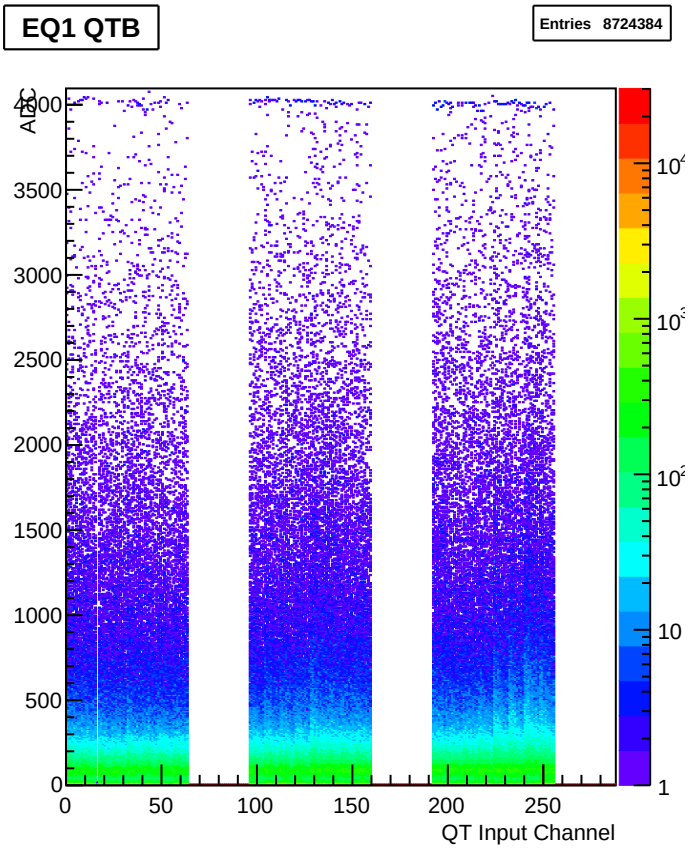

BBQ-ZD001 (ZDC TOWER)
Entries 484688
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

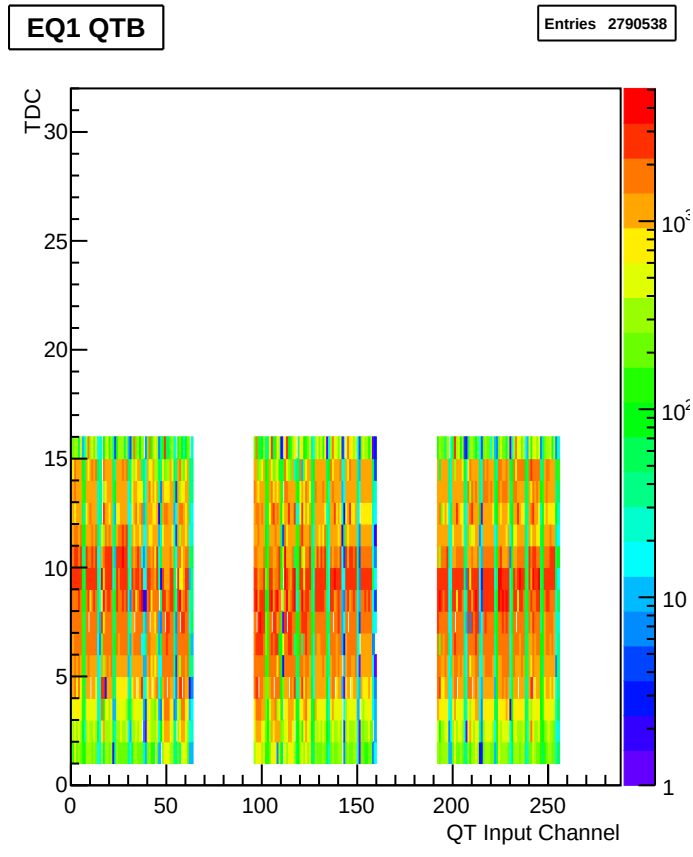

BBQ-VP001 East
Entries 484688
ADC
QT Input Channel

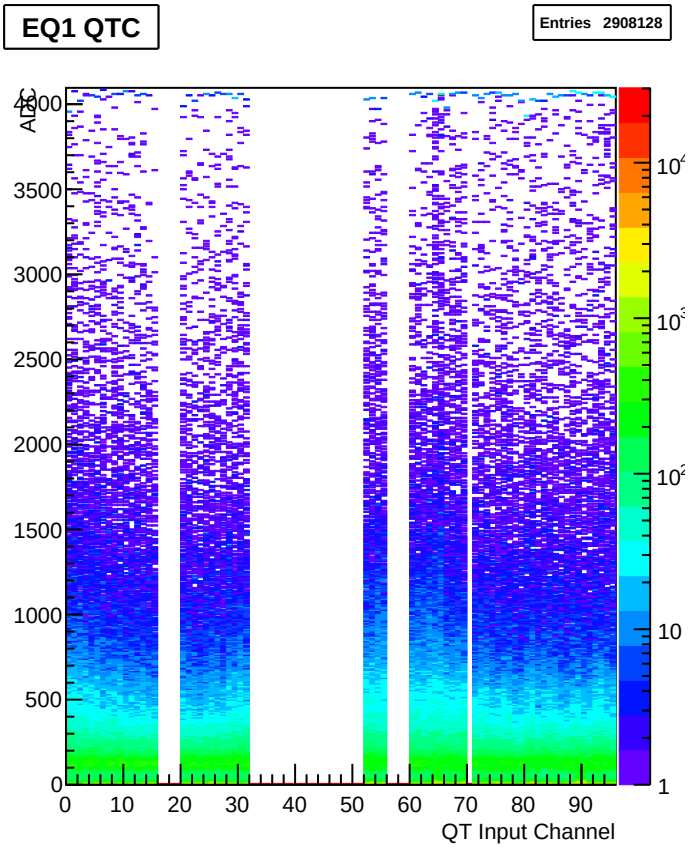

BBQ-VP001 East
Entries 484688
TAC
QT Input Channel

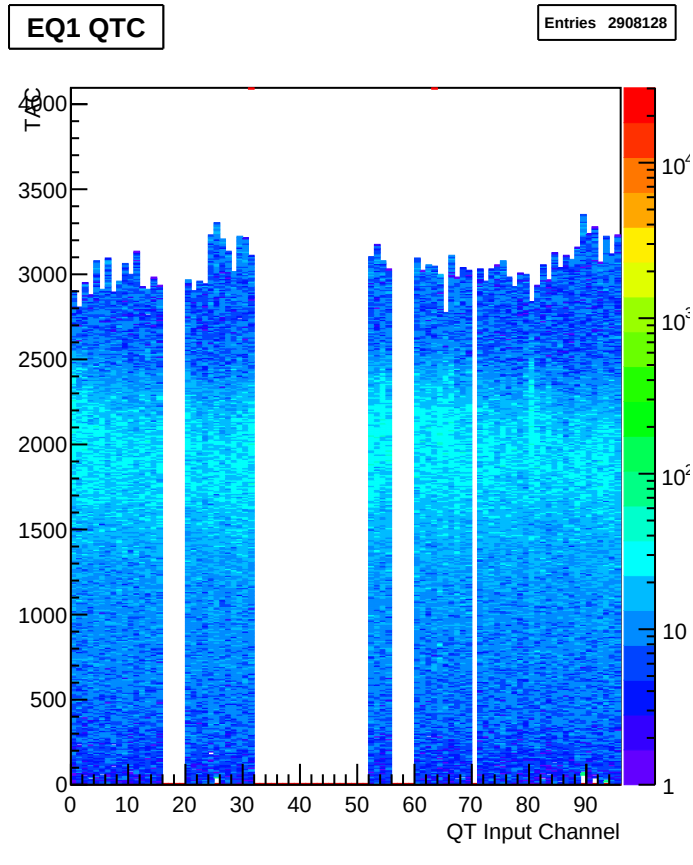

BBQ-VP002 West
Entries 484688
ADC
QT Input Channel

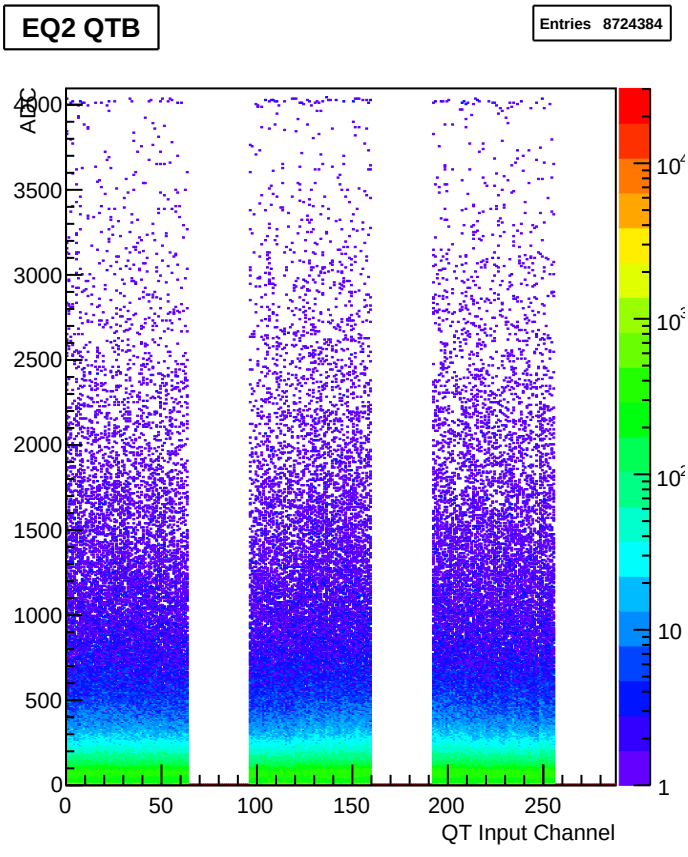

BBQ-VP002 West
Entries 484688
TAC
QT Input Channel

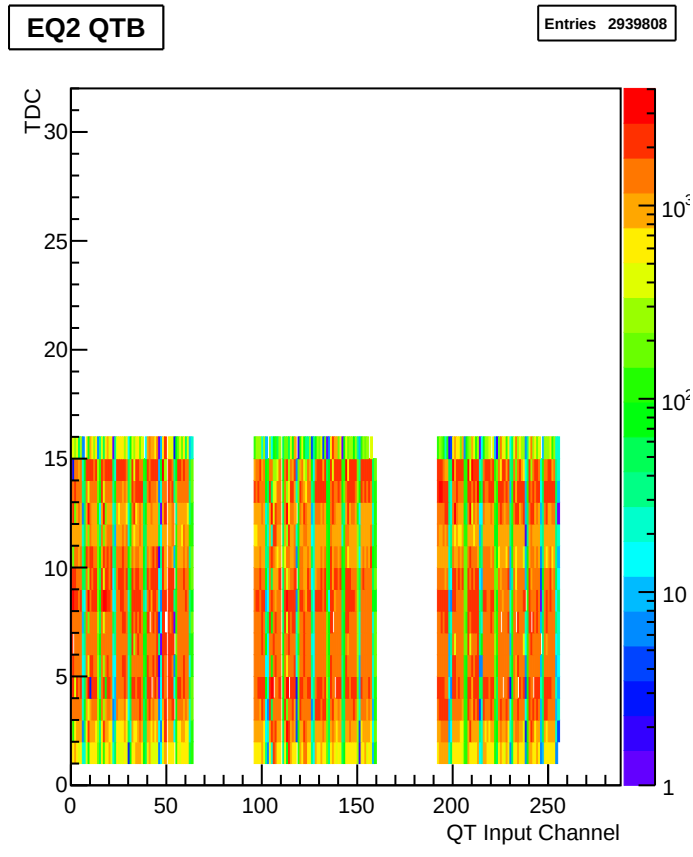

EQ1 QTB
Entries 8724384
ADC
QT Input Channel

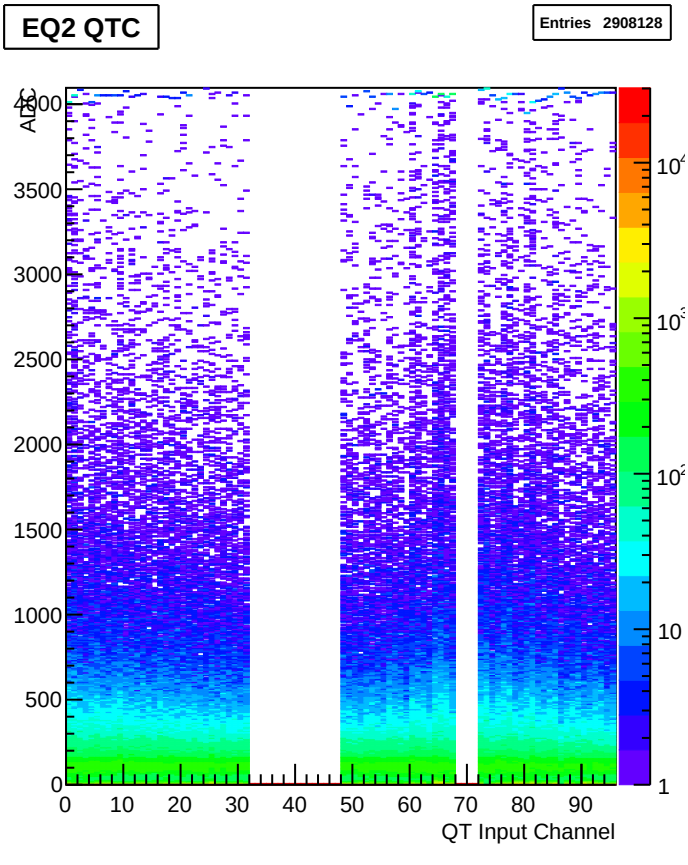

EQ1 QTB
Entries 2790538
TDC
QT Input Channel

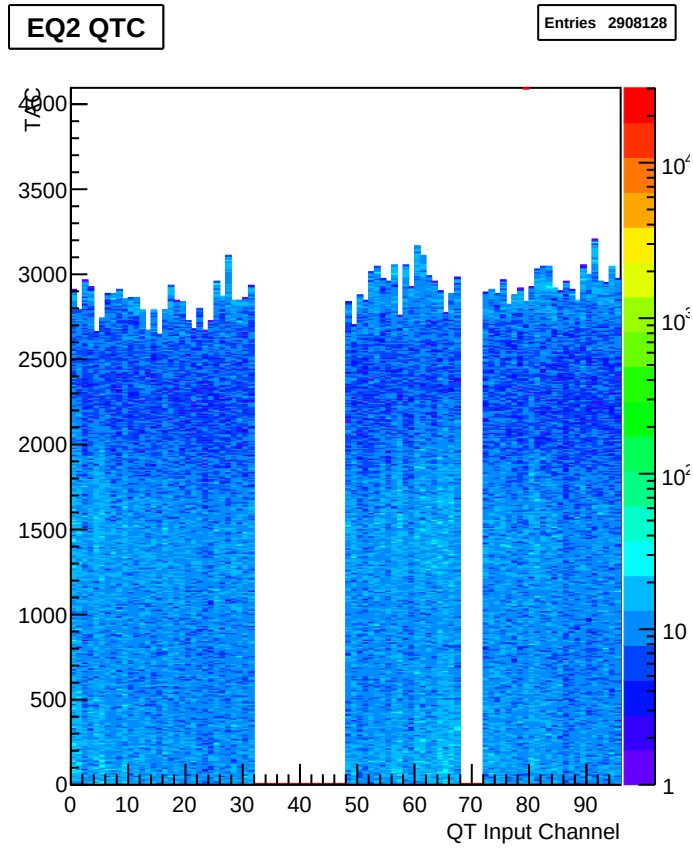

EQ1 QTC
Entries 2908128
ADC
QT Input Channel

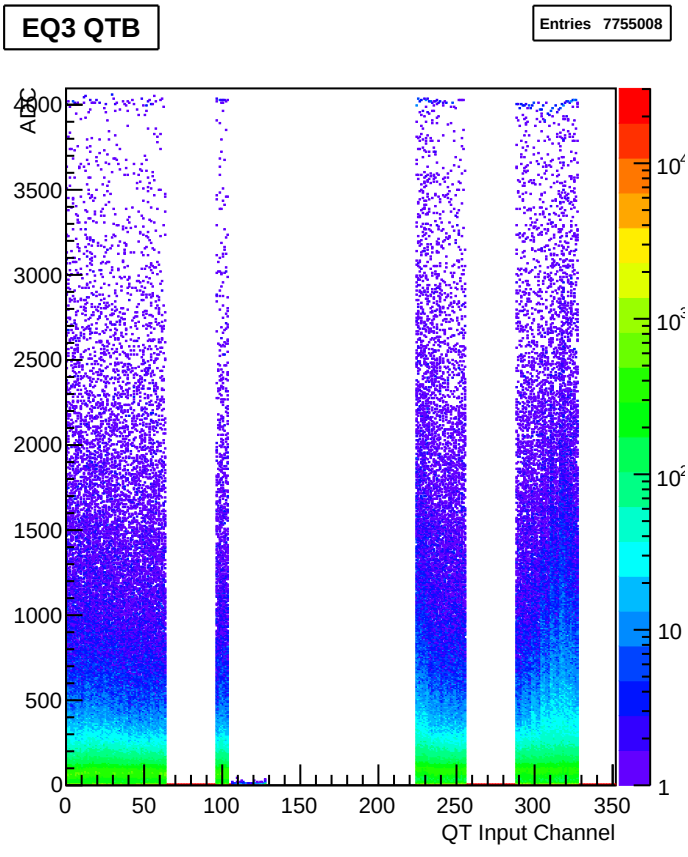

EQ1 QTC
Entries 2908128
TADC
QT Input Channel

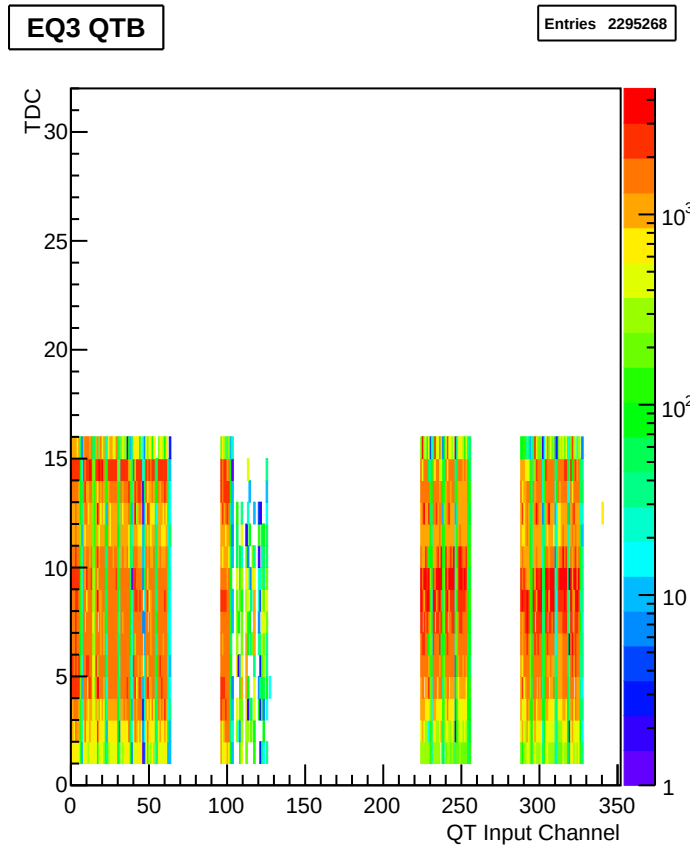

EQ2 QTB
Entries 8724384
ADC
QT Input Channel

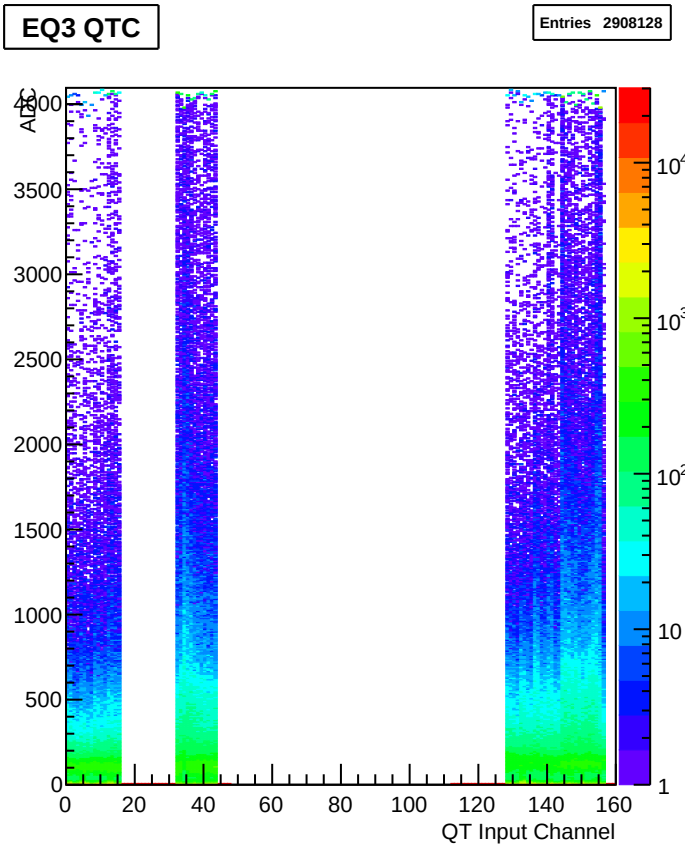

EQ2 QTB
Entries 2939808
TDC
QT Input Channel

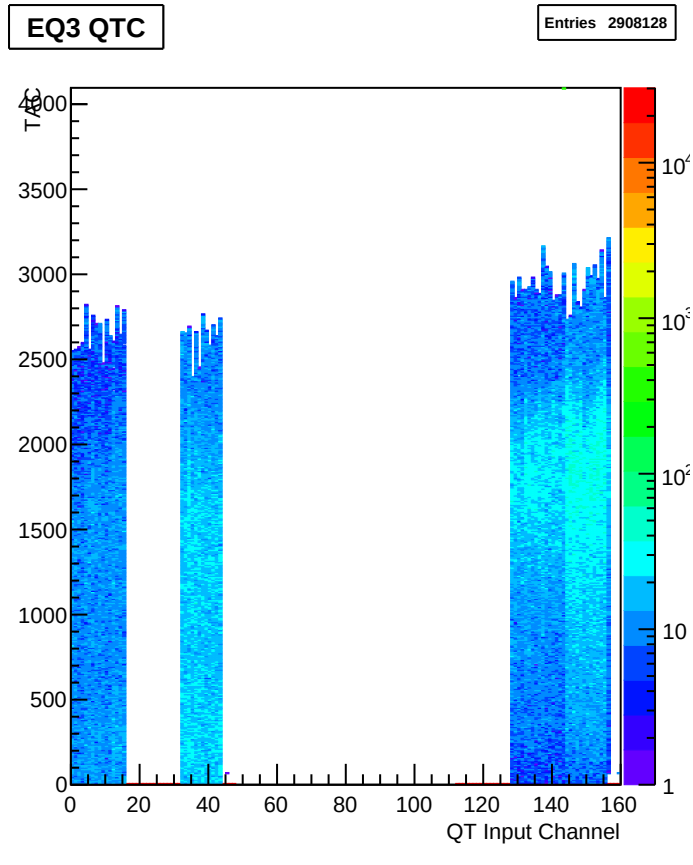

EQ2 QTC
Entries 2908128
ADC
QT Input Channel

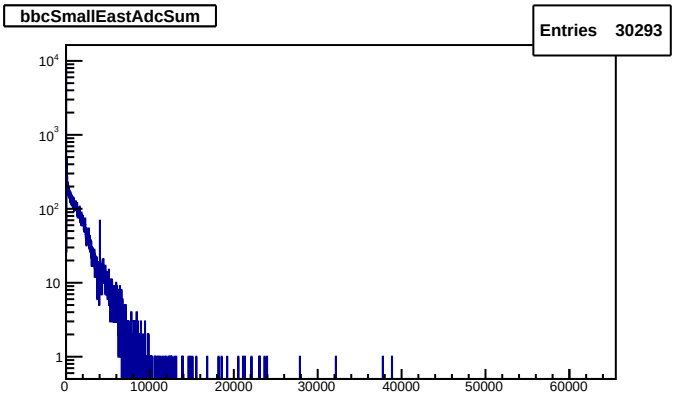

EQ2 QTC
Entries 2908128
TADC
QT Input Channel

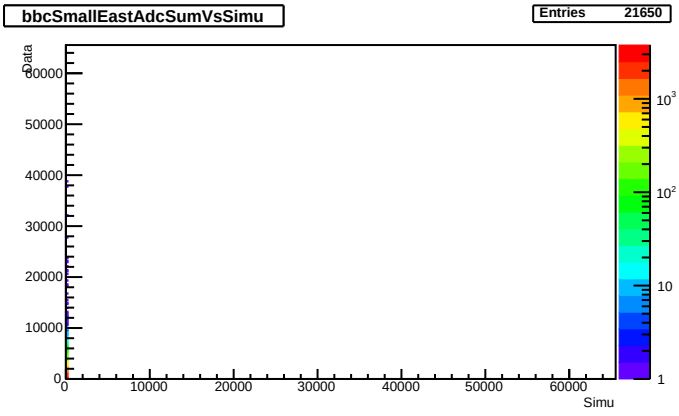

EQ3 QTB
Entries 7755008
ADC
QT Input Channel

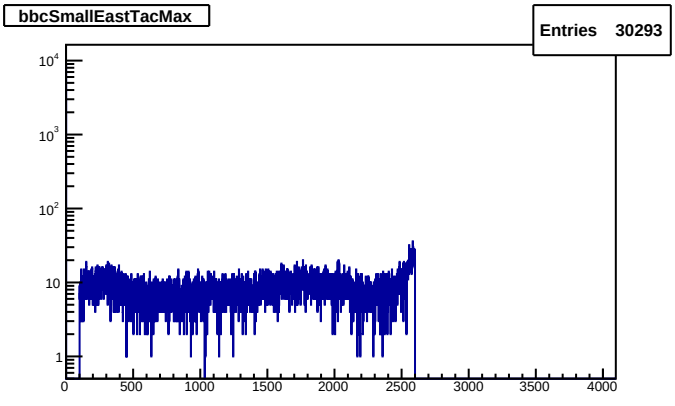

EQ3 QTB
Entries 2295268
TDC
QT Input Channel

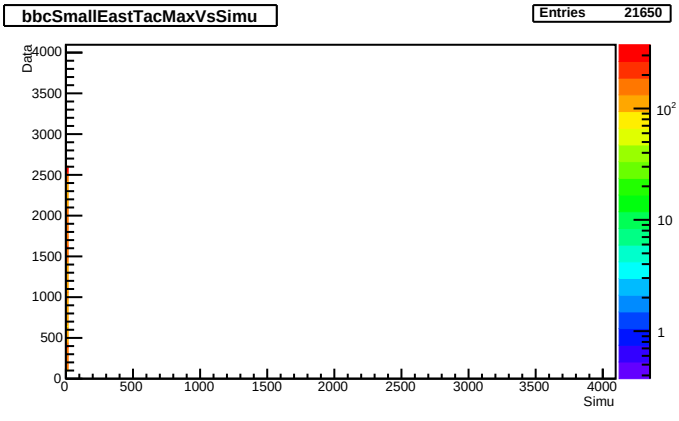

EQ3 QTC
Entries 2908128
ADC
QT Input Channel

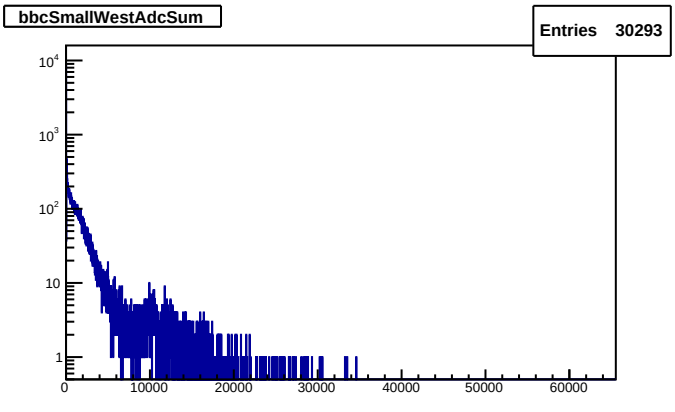

EQ3 QTC
Entries 2908128
TADC
QT Input Channel

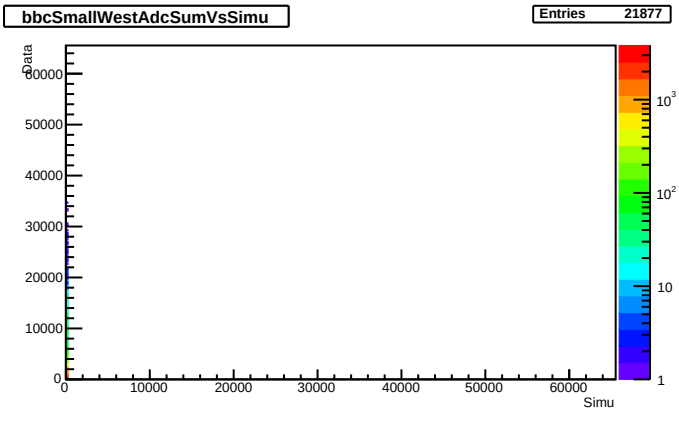

bbcSmallEastAdcSum
Entries 30293

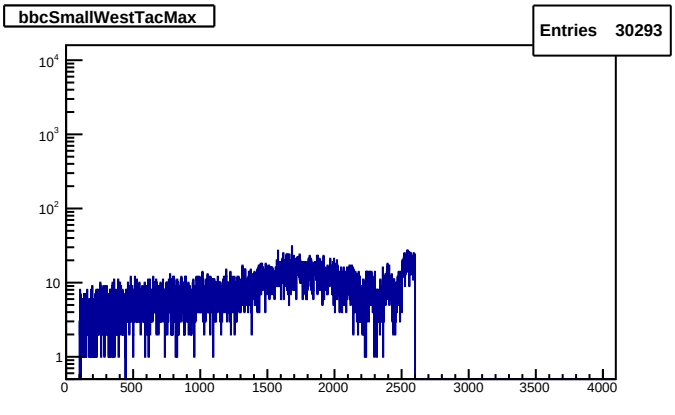

bbcSmallEastAdcSumVsSimu
Entries 21650
Data
Simu


bbcSmallEastTacMax
Entries 30293


bbcSmallEastTacMaxVsSimu
Entries 21650
Data
Simu


bbcSmallWestAdcSum
Entries 30293


bbcSmallWestAdcSumVsSimu
Entries 21877
Data
Simu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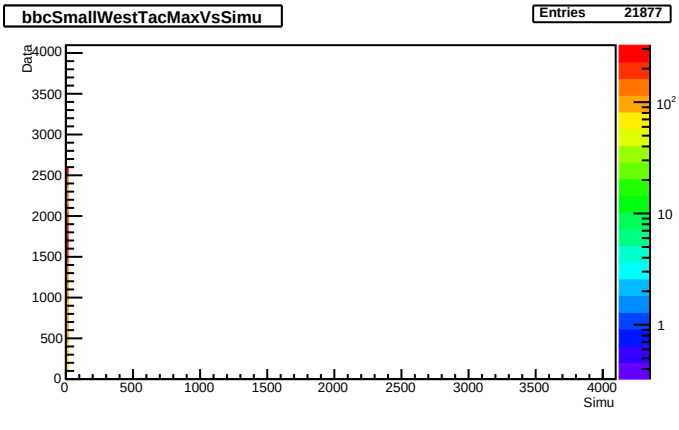
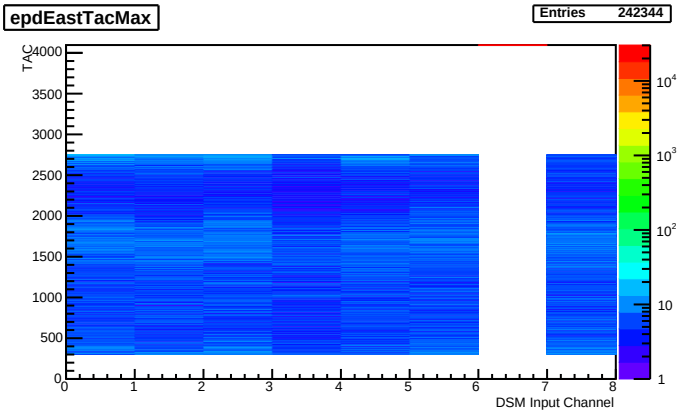
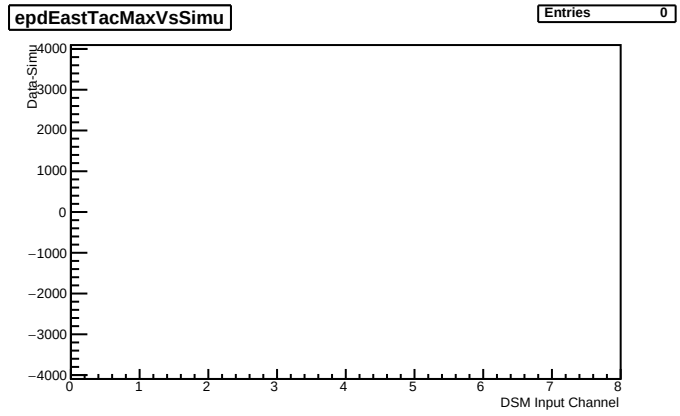
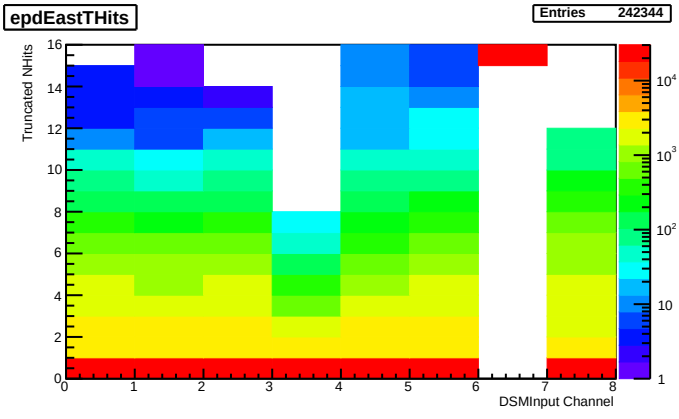
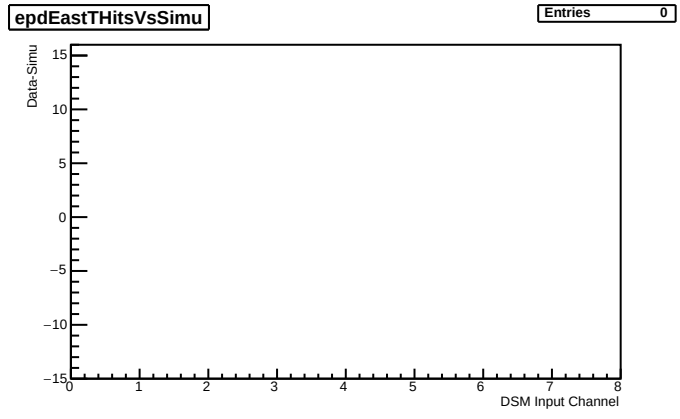
Entries 30293


bbcSmallWestTacMaxVsSimu
Entries 21877
Data
Simu


epdEastTacMax
Entries 242344
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 242344
Truncated NHits
DSMInput Channel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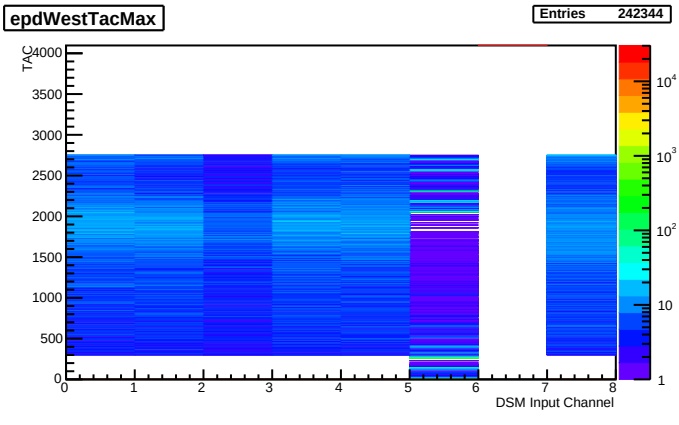
Data-Simu
DSM Input Channel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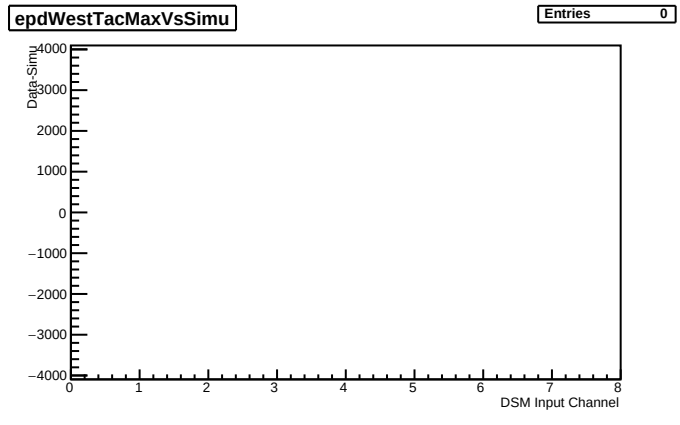
Entries 242344
TAC
DSM Input Channel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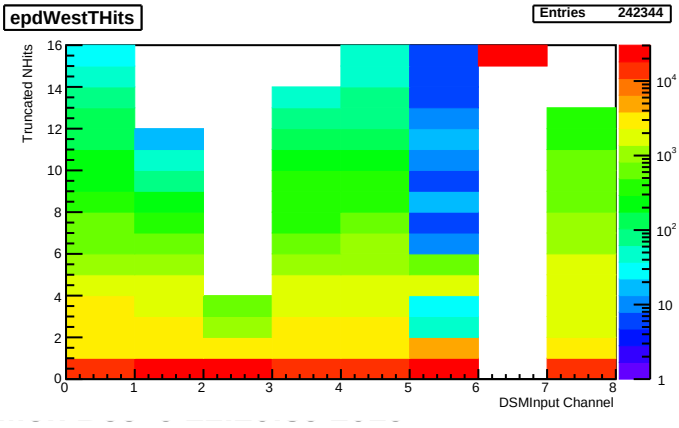
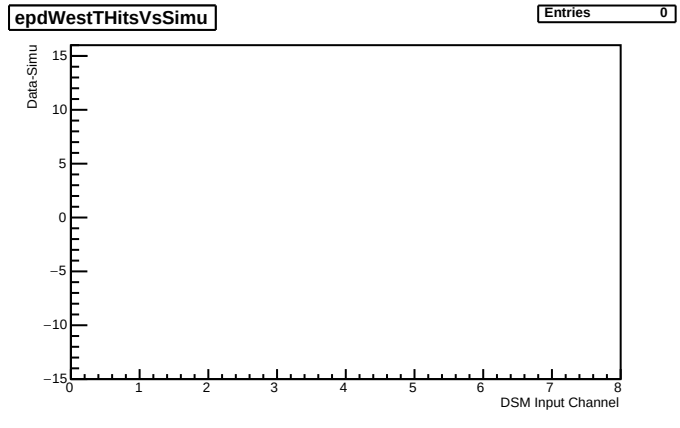
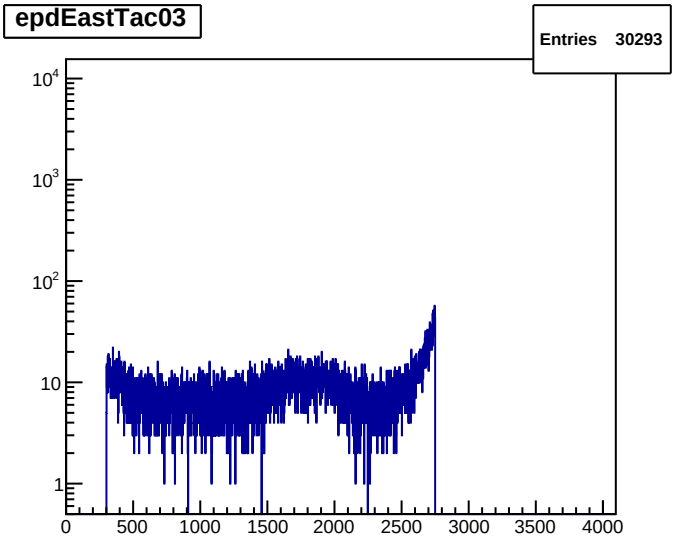
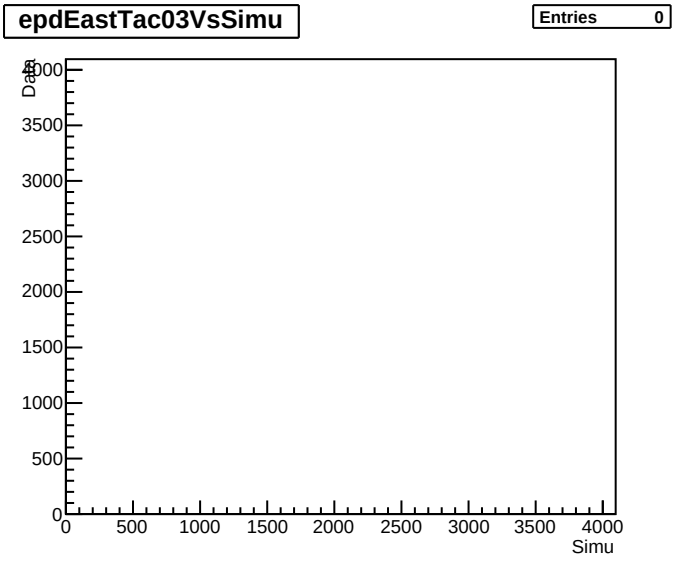
Data-Simu
DSM Input Channel


epdWestTHits
Entries 242344
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 30293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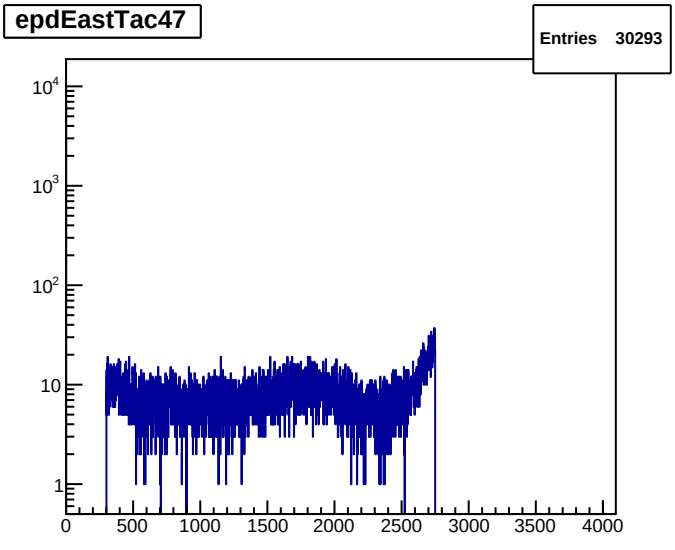
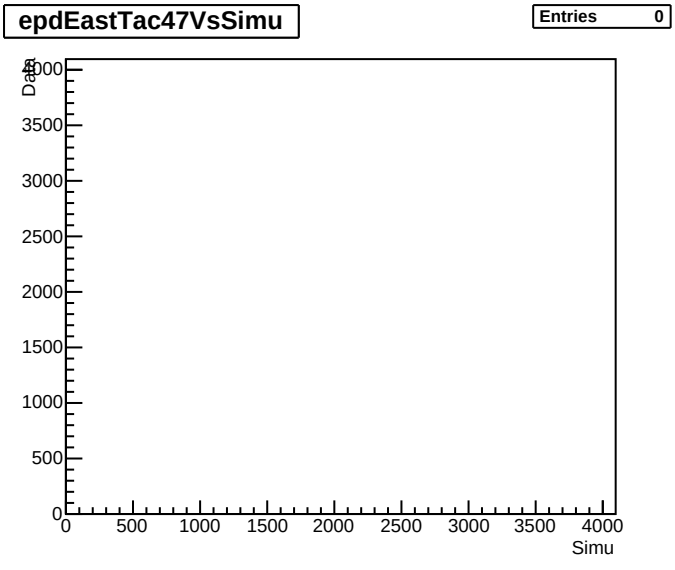
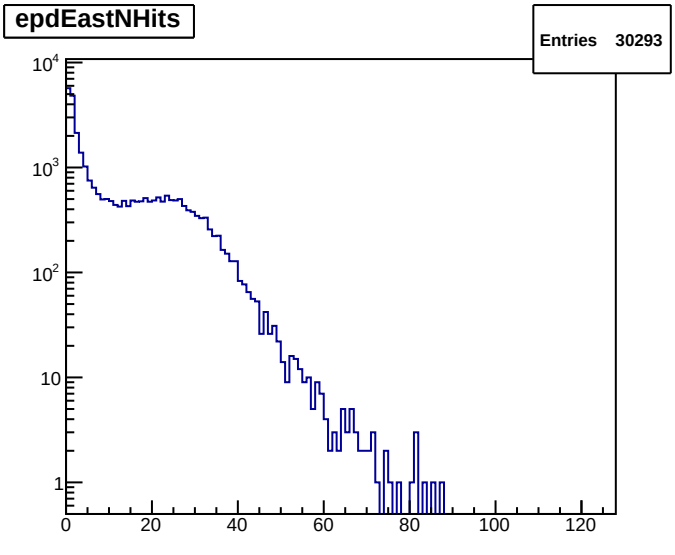
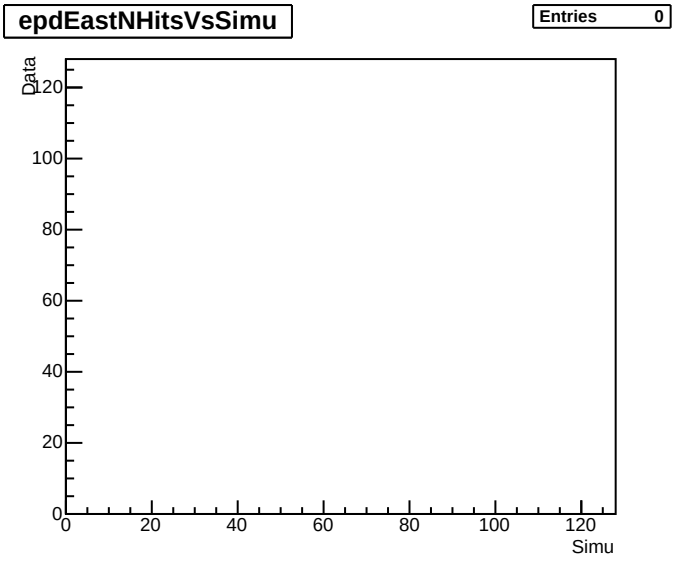
Entries 0
Data
Simu


epdEastTac47
Entries 30293


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 30293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Data
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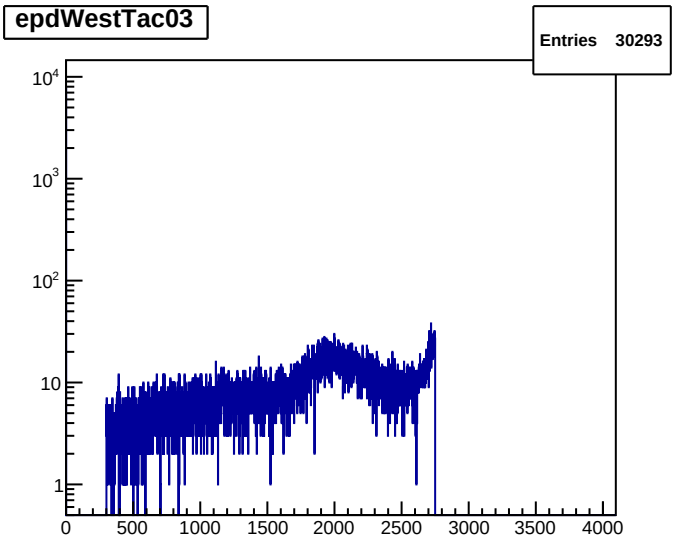
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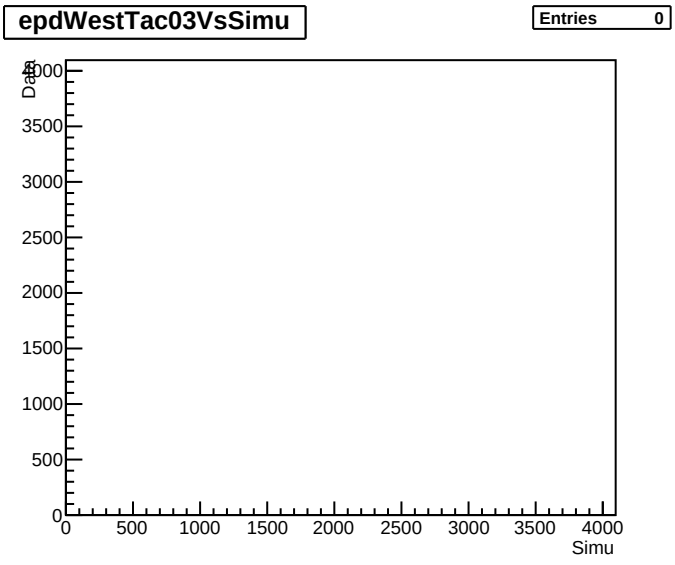
Entries 30293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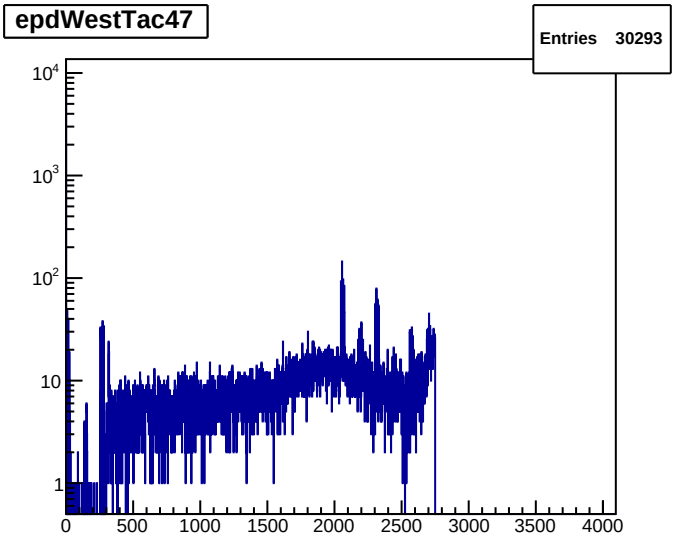
Entries 0
Data
Simu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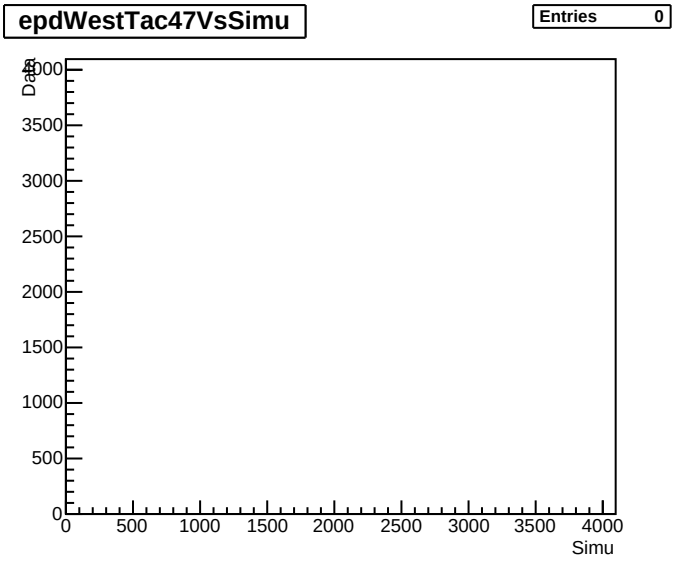
Entries 30293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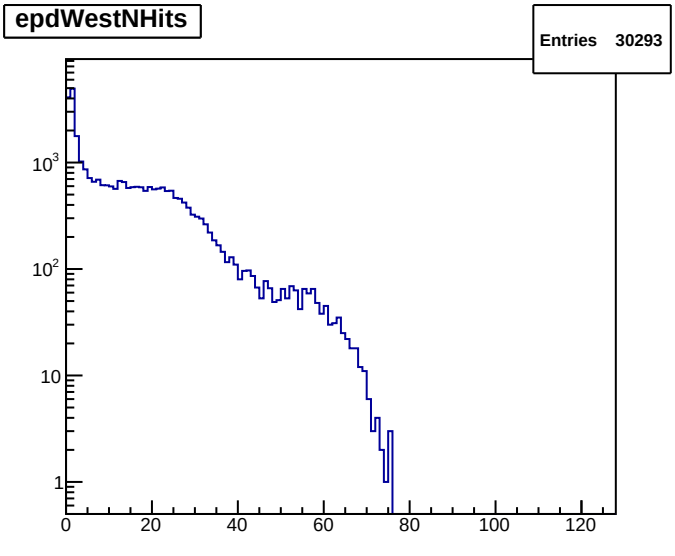
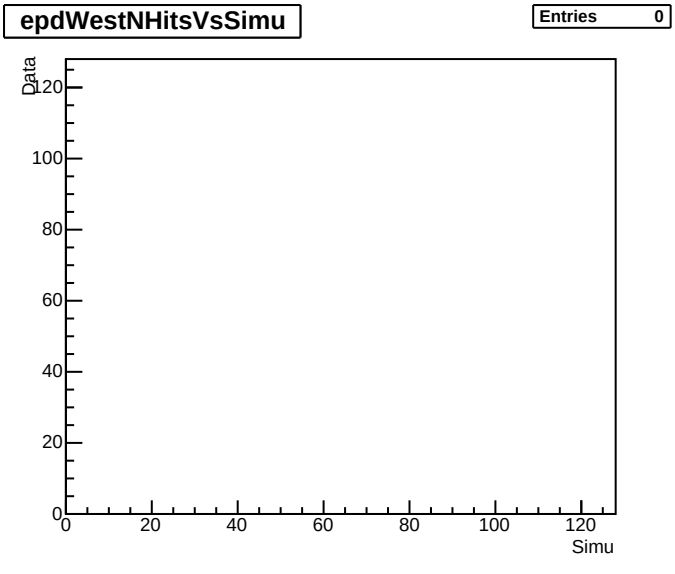
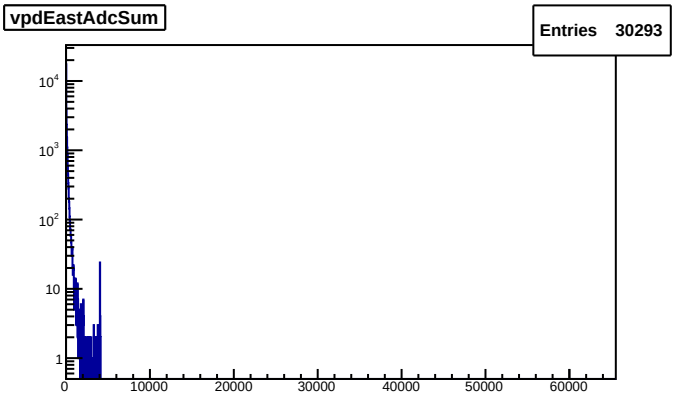
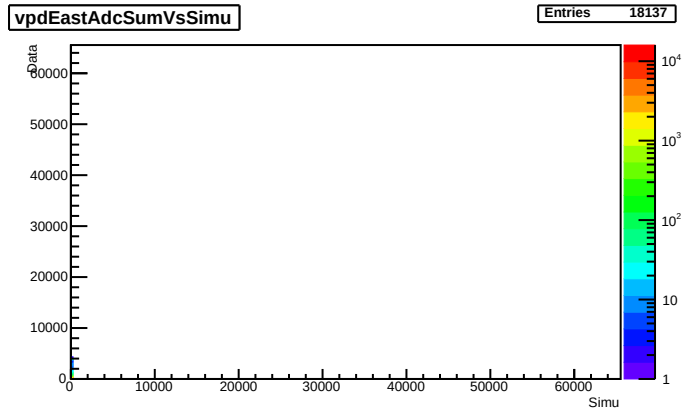
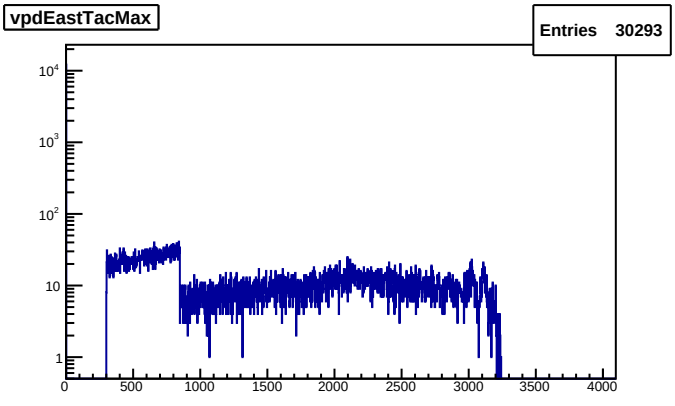
Entries 0
Data
Simu

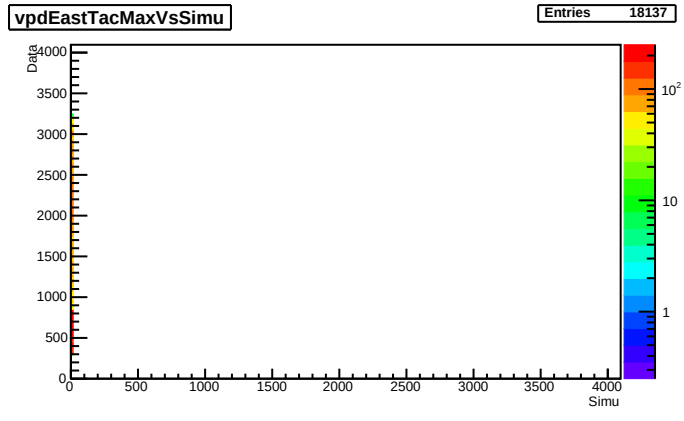

epdWestNHits
Entries 30293

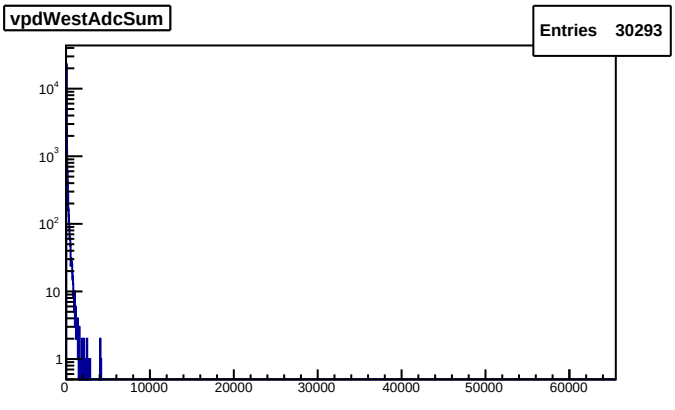

epdWestNHitsVsSimu
Entries 0
Data
Simu

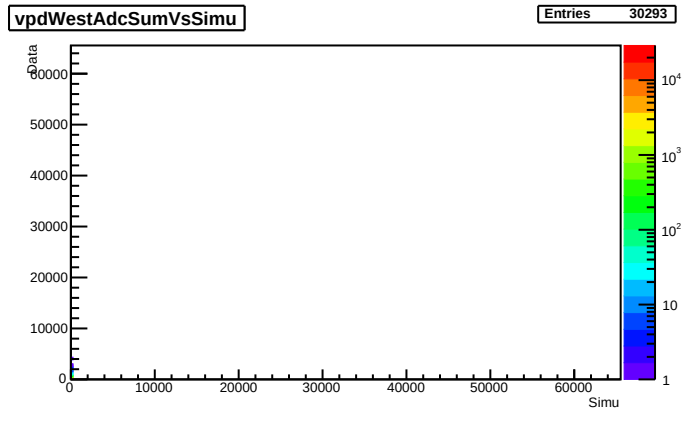

vpdEastAdcSum
Entries 30293

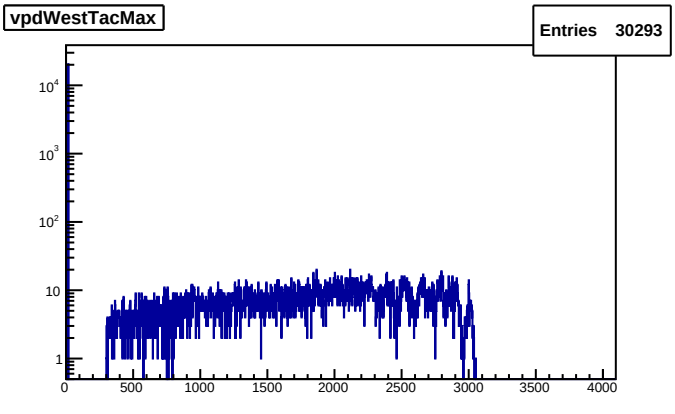

vpdEastAdcSumVsSimu
Entries 18137
Data
Simu

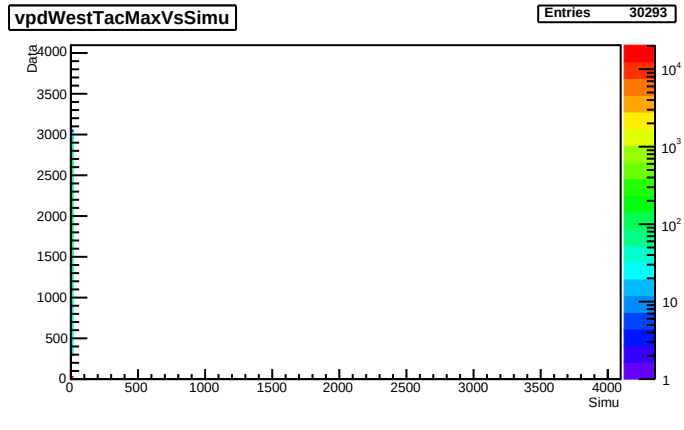

vpdEastTacMax
Entries 30293

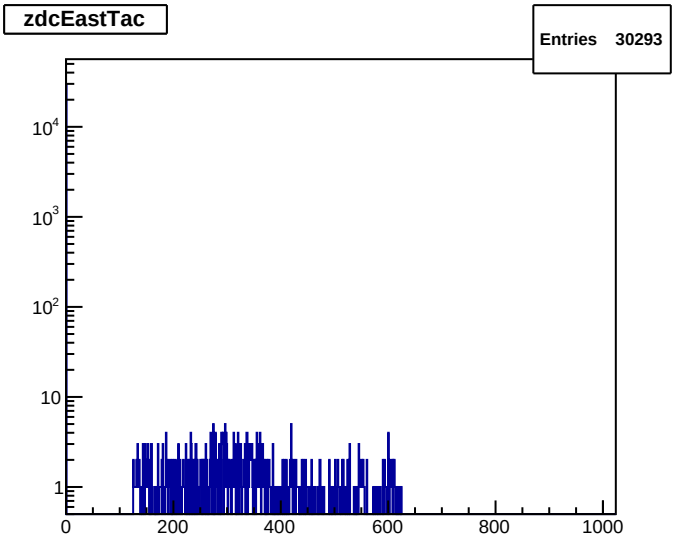

vpdEastTacMaxVsSimu
Entries 18137
Data
Simu

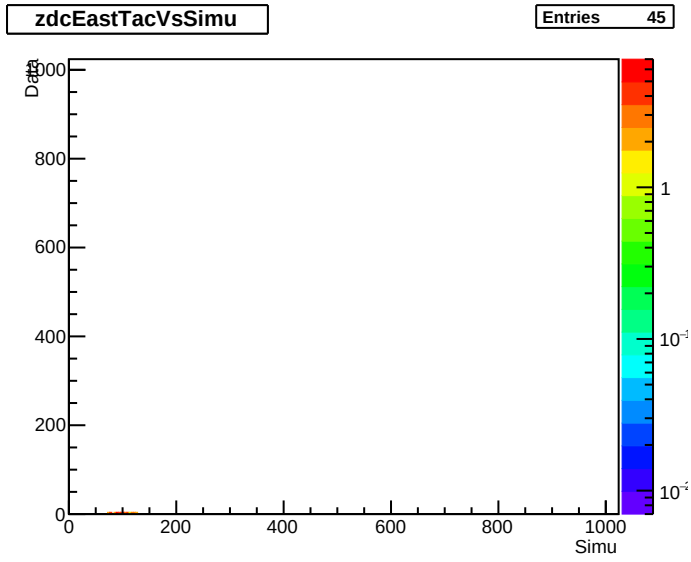

vpdWestAdcSum
Entries 30293

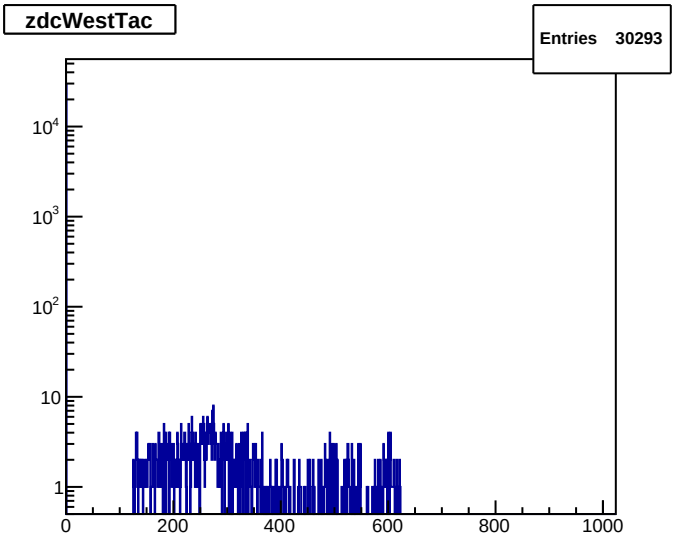

vpdWestAdcSumVsSimu
Entries 30293
Data
Simu

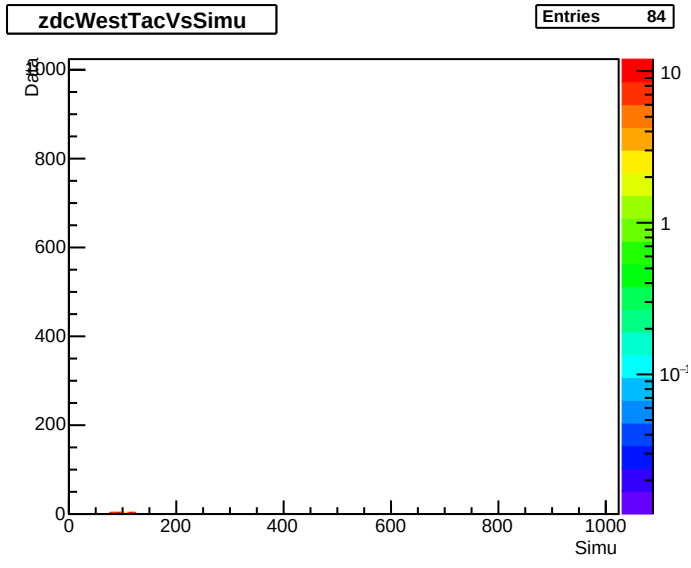

vpdWestTacMax
Entries 30293

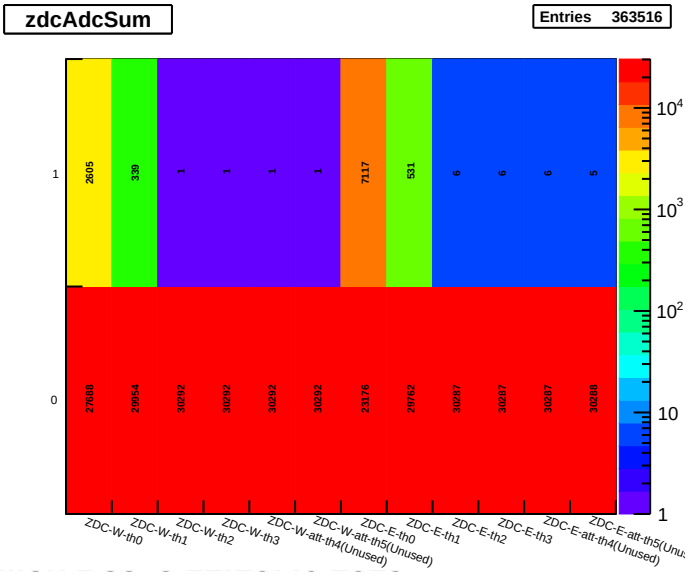

vpdWestTacMaxVsSimu
Entries 30293
Data
Simu

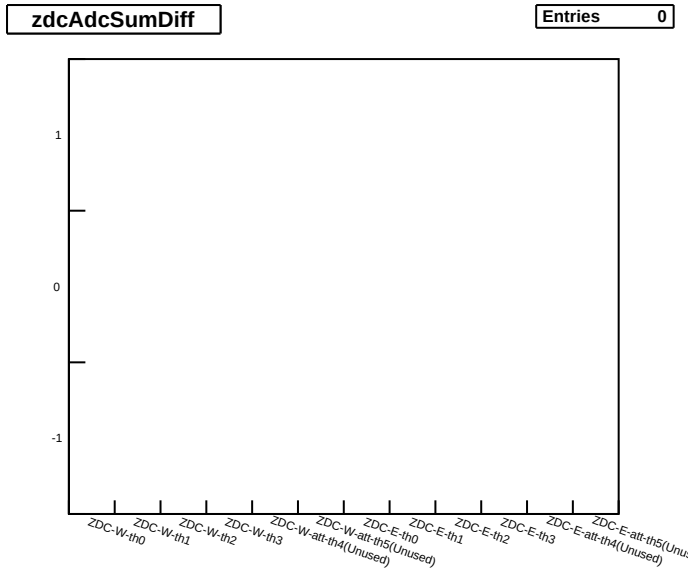

zdcEastTac
Entries 30293

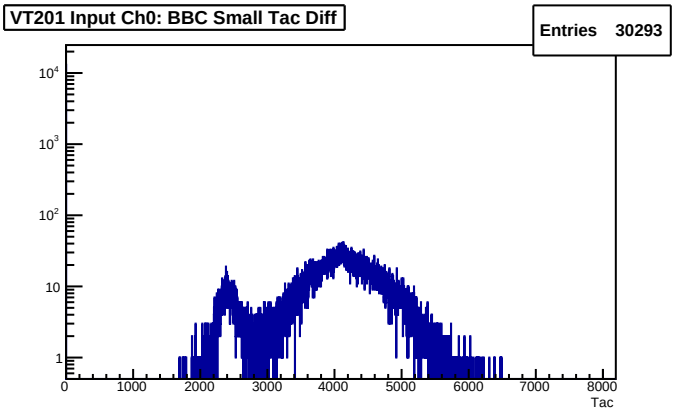

zdcEastTacVsSimu
Entries 45
Data
Simu

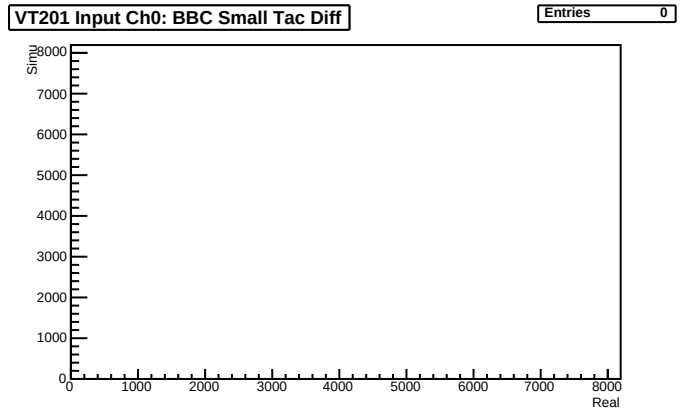

zdcWestTac
Entries 30293

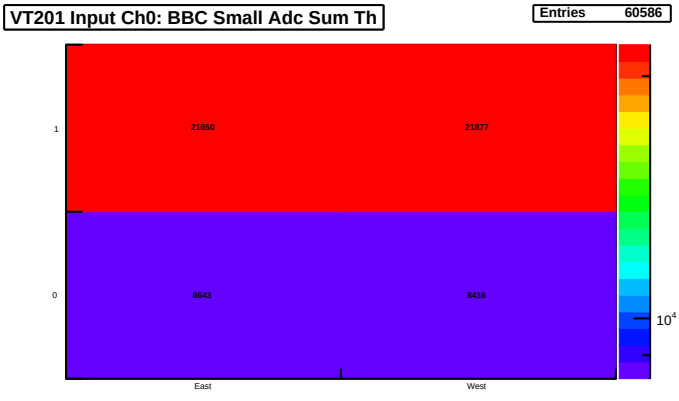

zdcWestTacVsSimu
Entries 84
Data
Simu

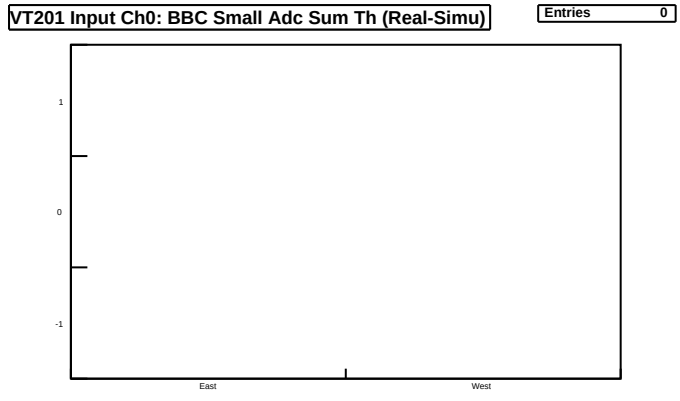

zdcAdcSum
Entries 363516
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

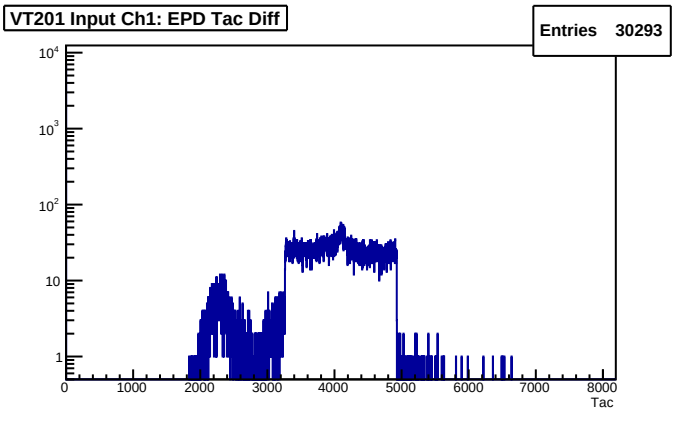

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

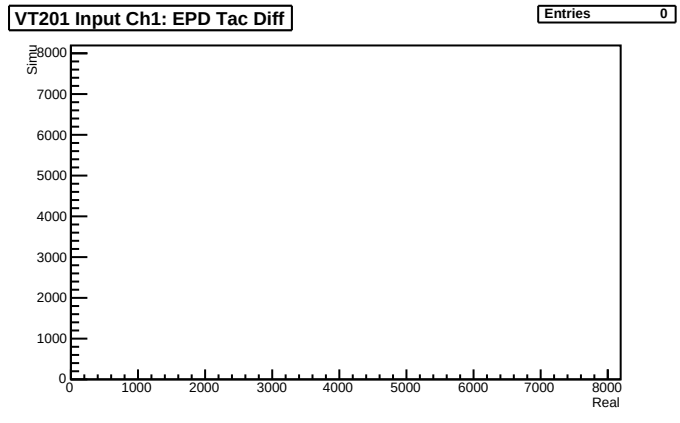

VT201 Input Ch0: BBC Small Tac Diff
Entries 30293
Tac

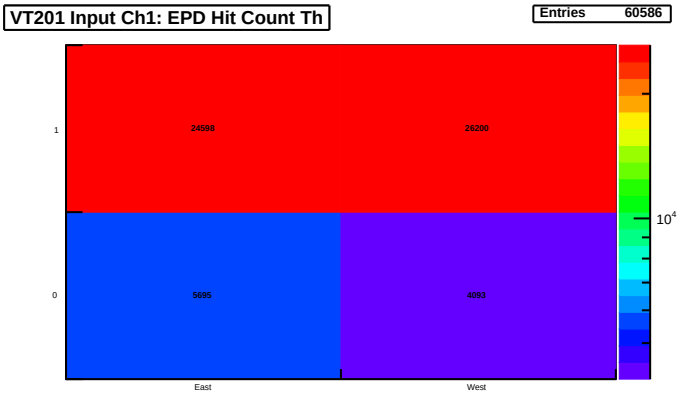

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

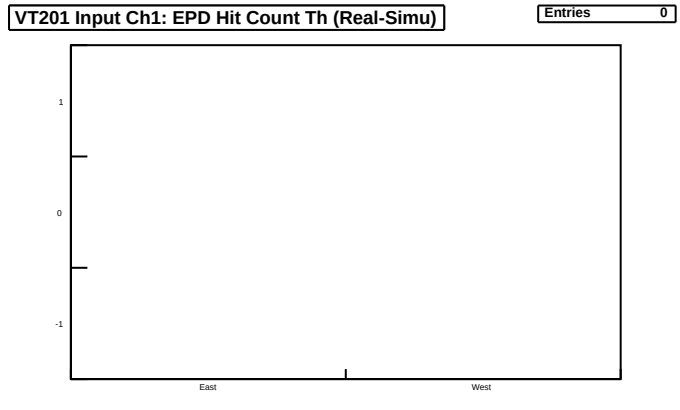

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 60586
21650
21877
8643
8416
East
West

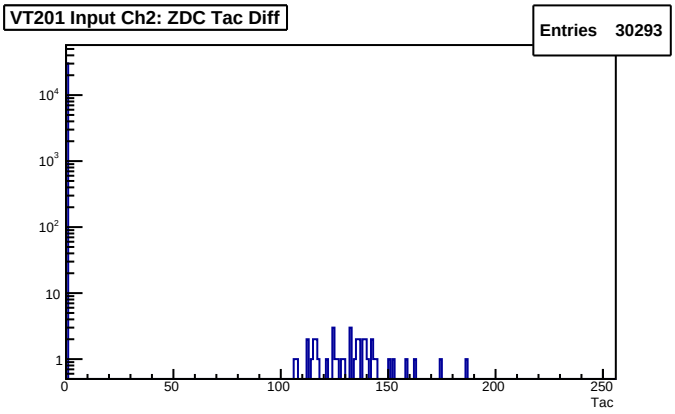

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

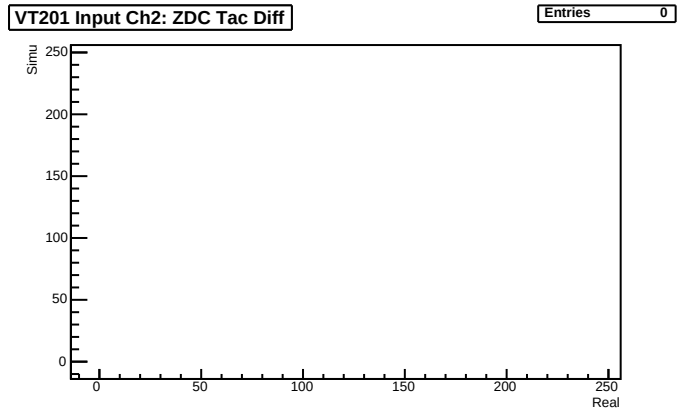

VT201 Input Ch1: EPD Tac Diff
Entries 30293
Tac

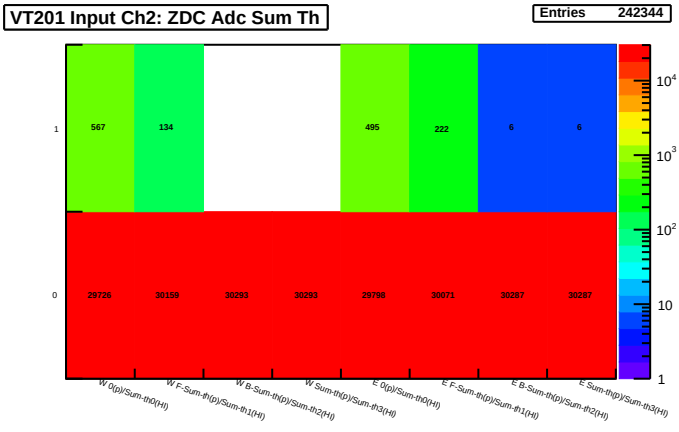

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

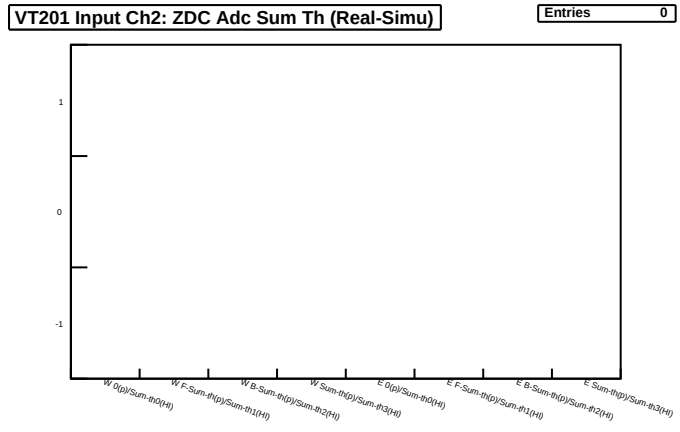

VT201 Input Ch1: EPD Hit Count Th
Entries 60586
24598
26200
5695
4093
East
West

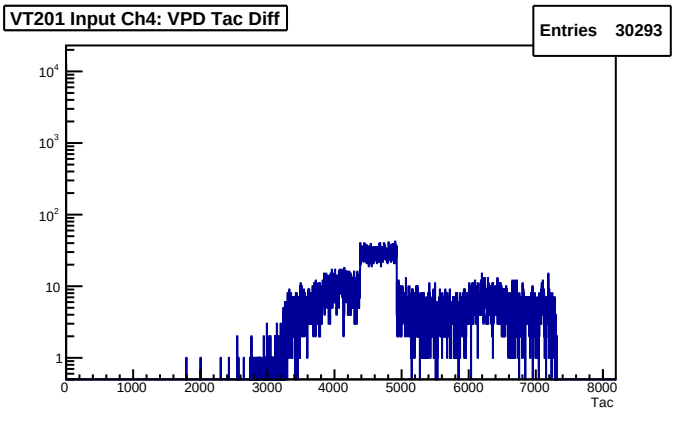

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

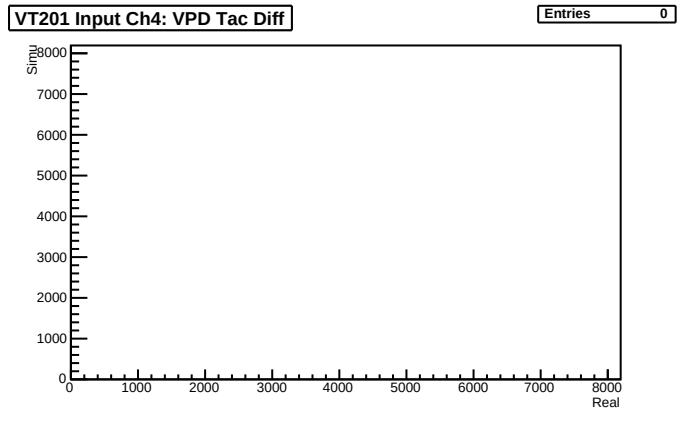

VT201 Input Ch2: ZDC Tac Diff
Entries 30293
Tac

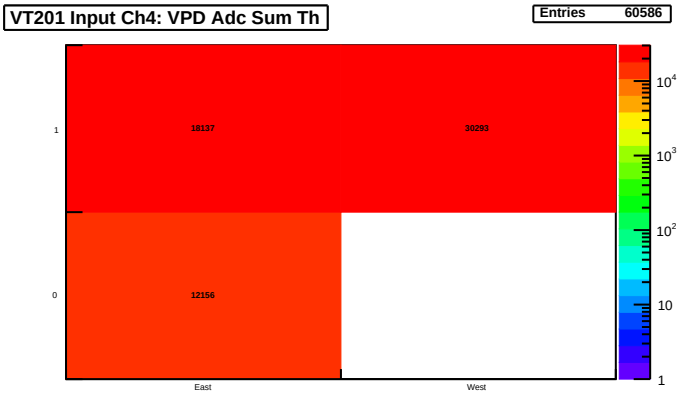

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

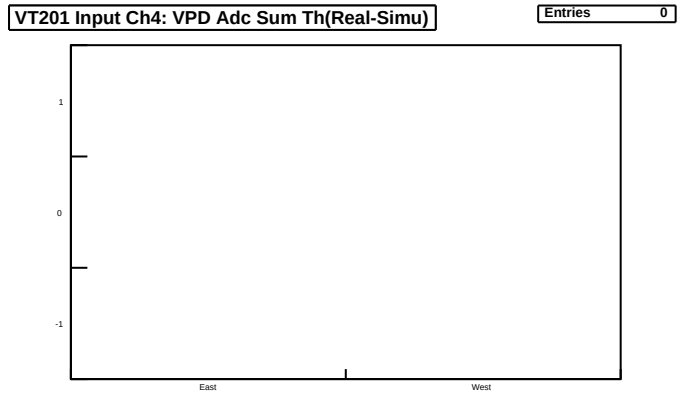

VT201 Input Ch2: ZDC Adc Sum Th
Entries 242344
567
134
495
222
6
6
29726
30159
30293
30293
29798
30071
30287
30287
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

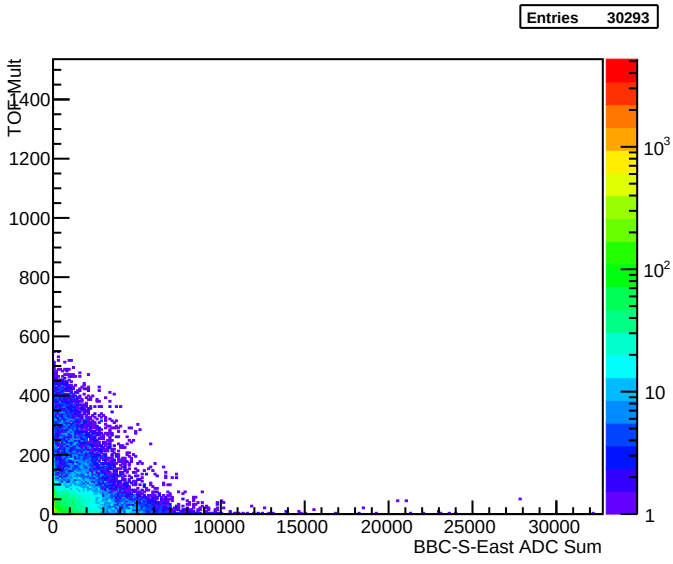

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

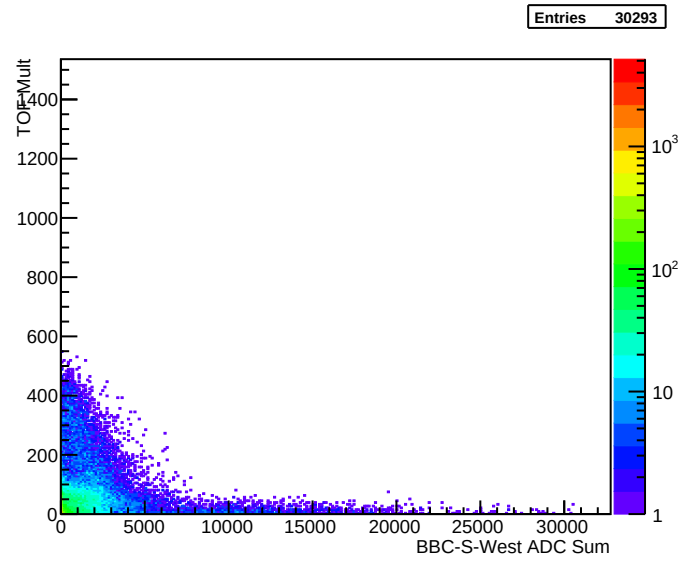

VT201 Input Ch4: VPD Tac Diff
Entries 30293
Tac

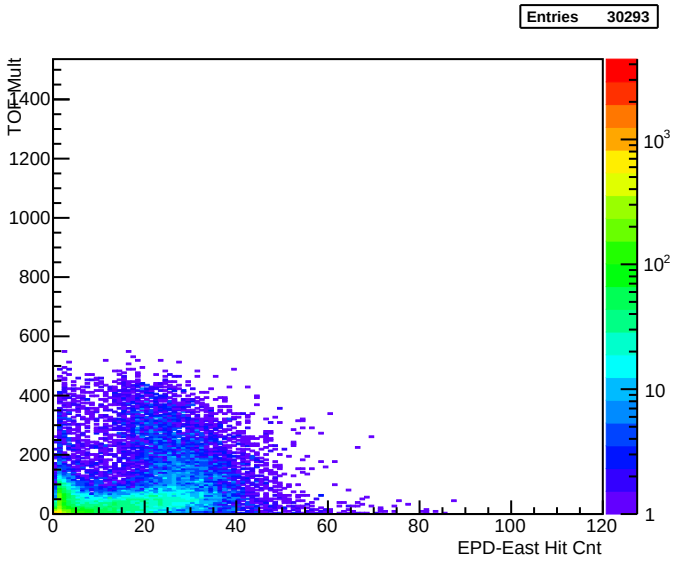

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

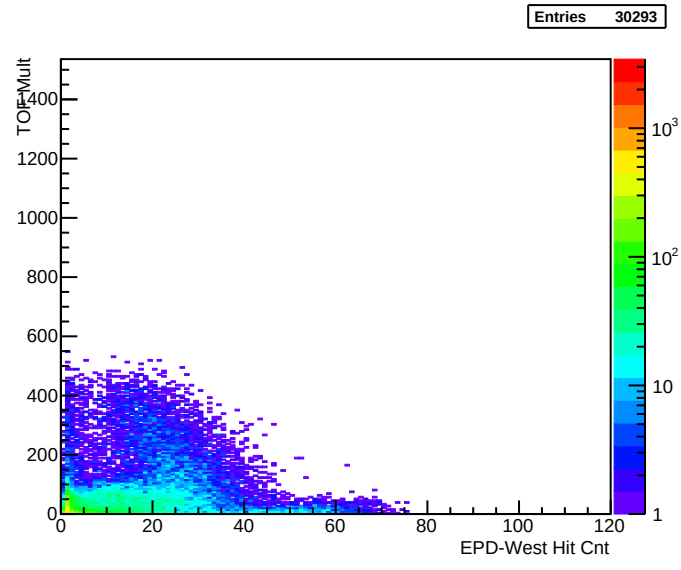

VT201 Input Ch4: VPD Adc Sum Th
Entries 60586
18137
30293
12156
East
West

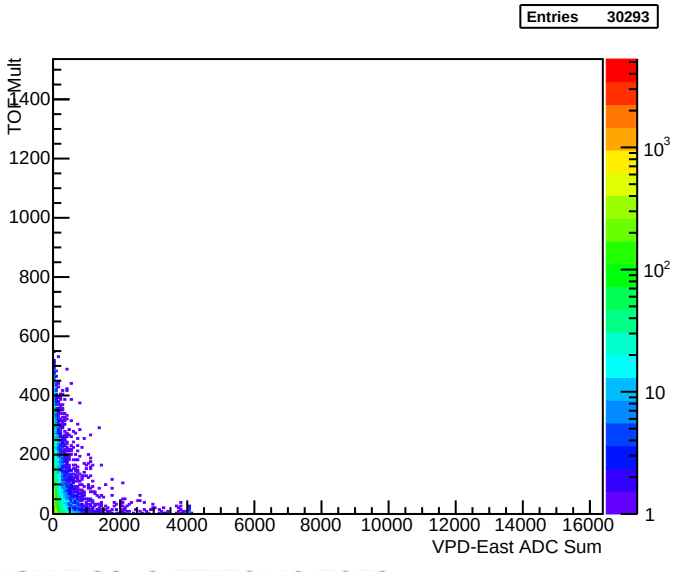

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

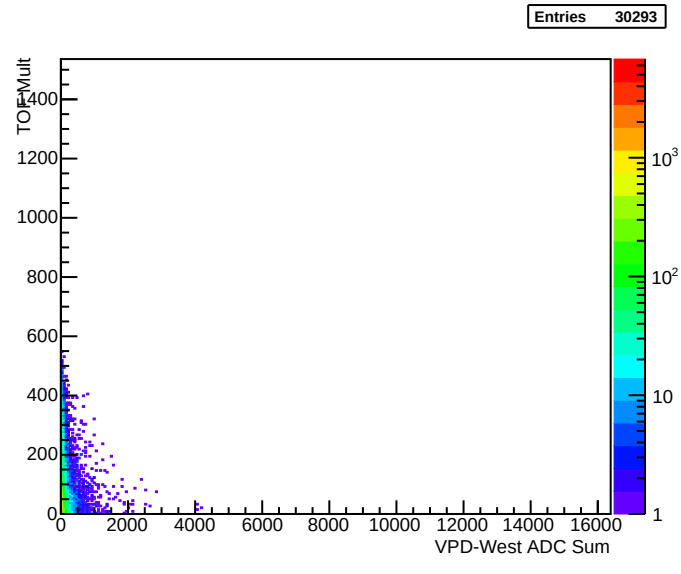

Entries 30293
TOF-Mult
BBC-S-East ADC Sum

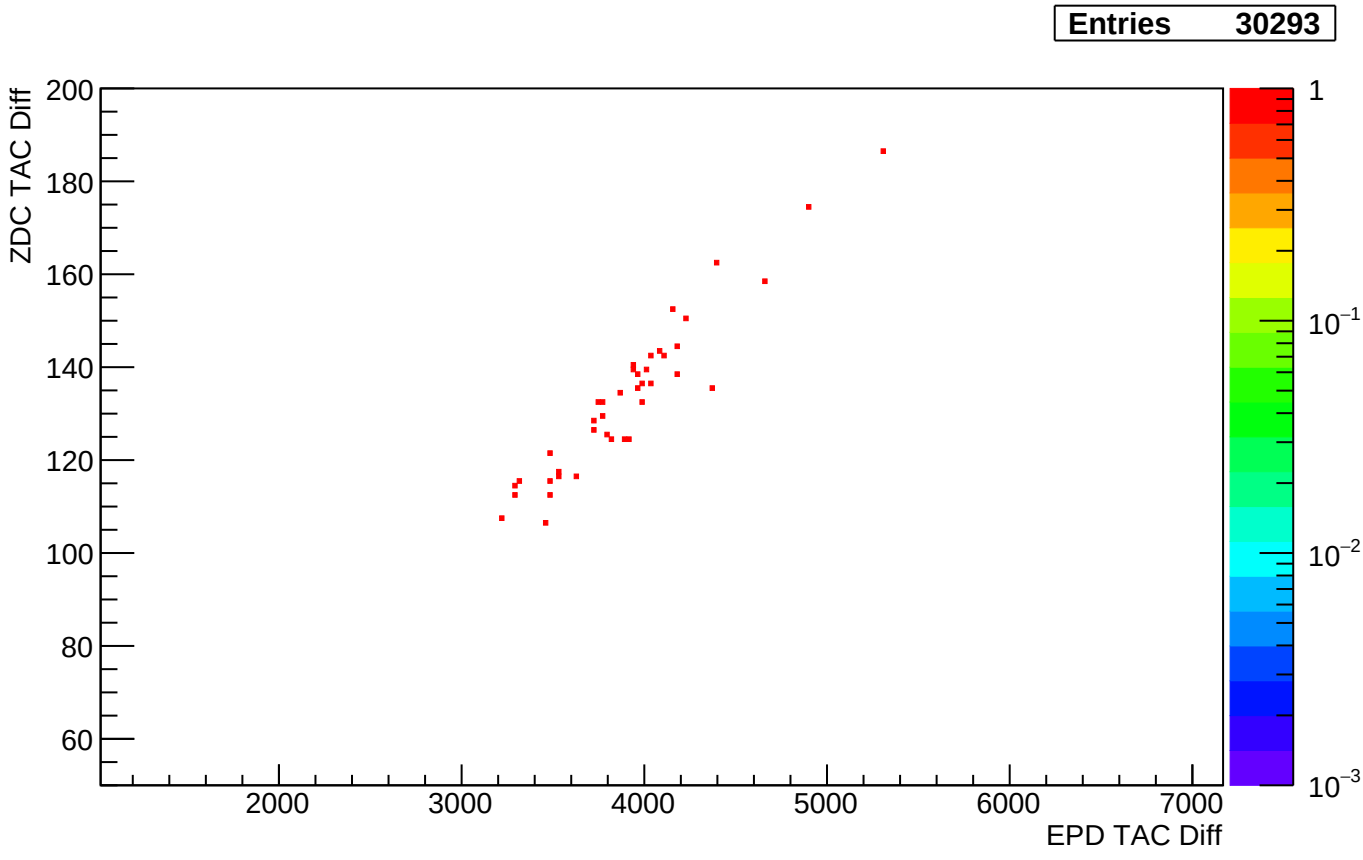

Entries 30293
TOF-Mult
BBC-S-West ADC Sum

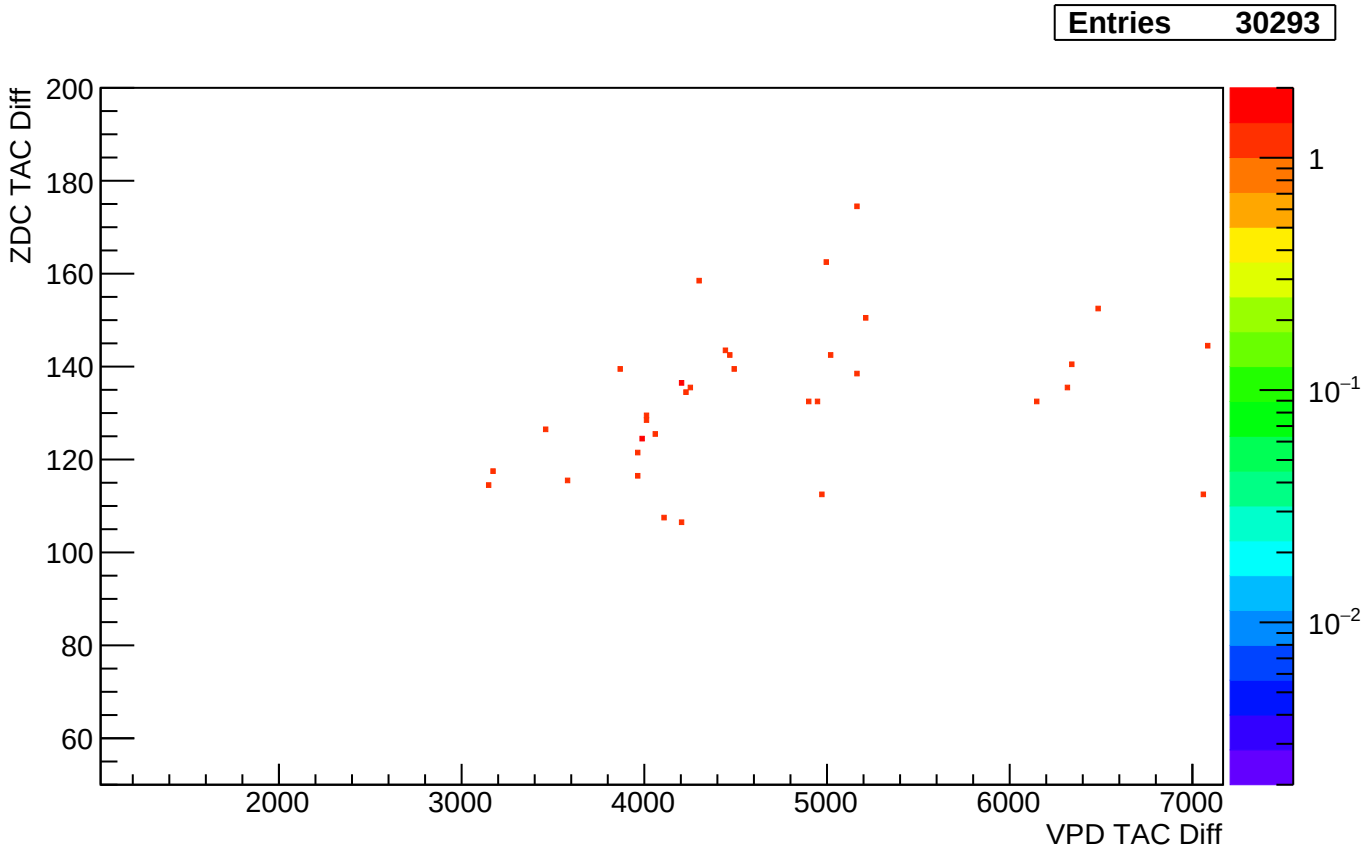

Entries 30293
TOF-Mult
EPD-East Hit Cnt

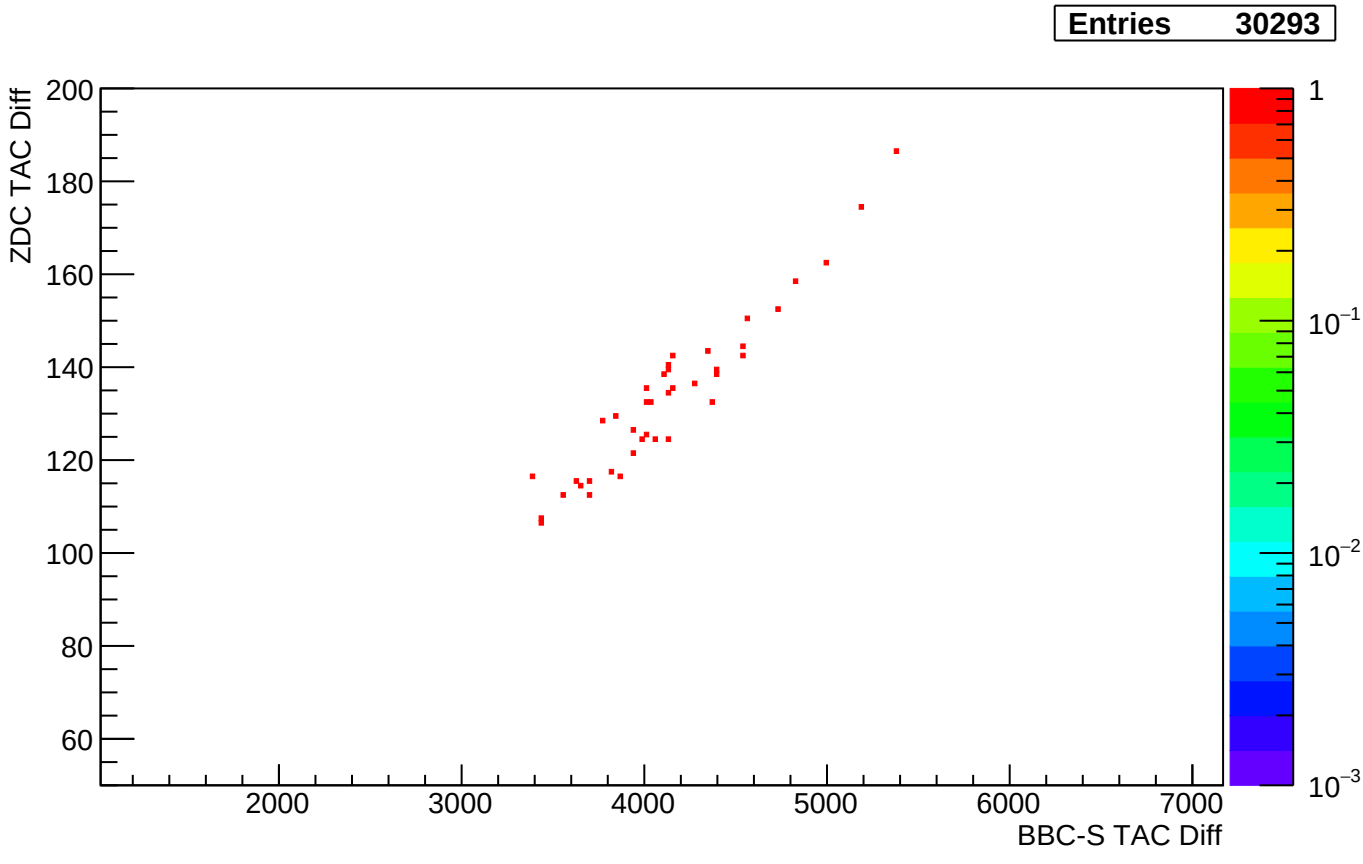

Entries 30293
TOF-Mult
EPD-West Hit Cnt

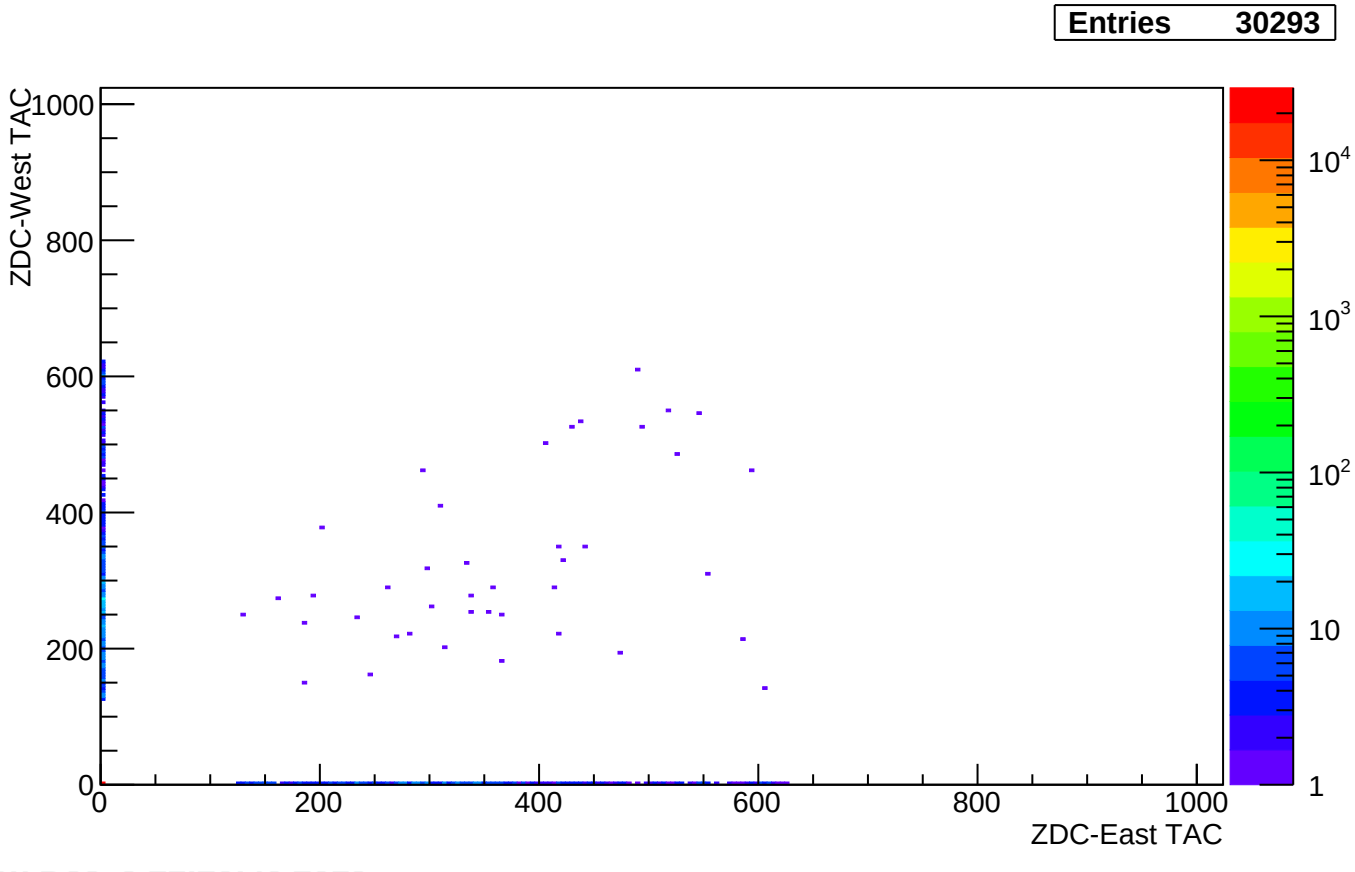

Entries 30293
TOF-Mult
VPD-East ADC Sum

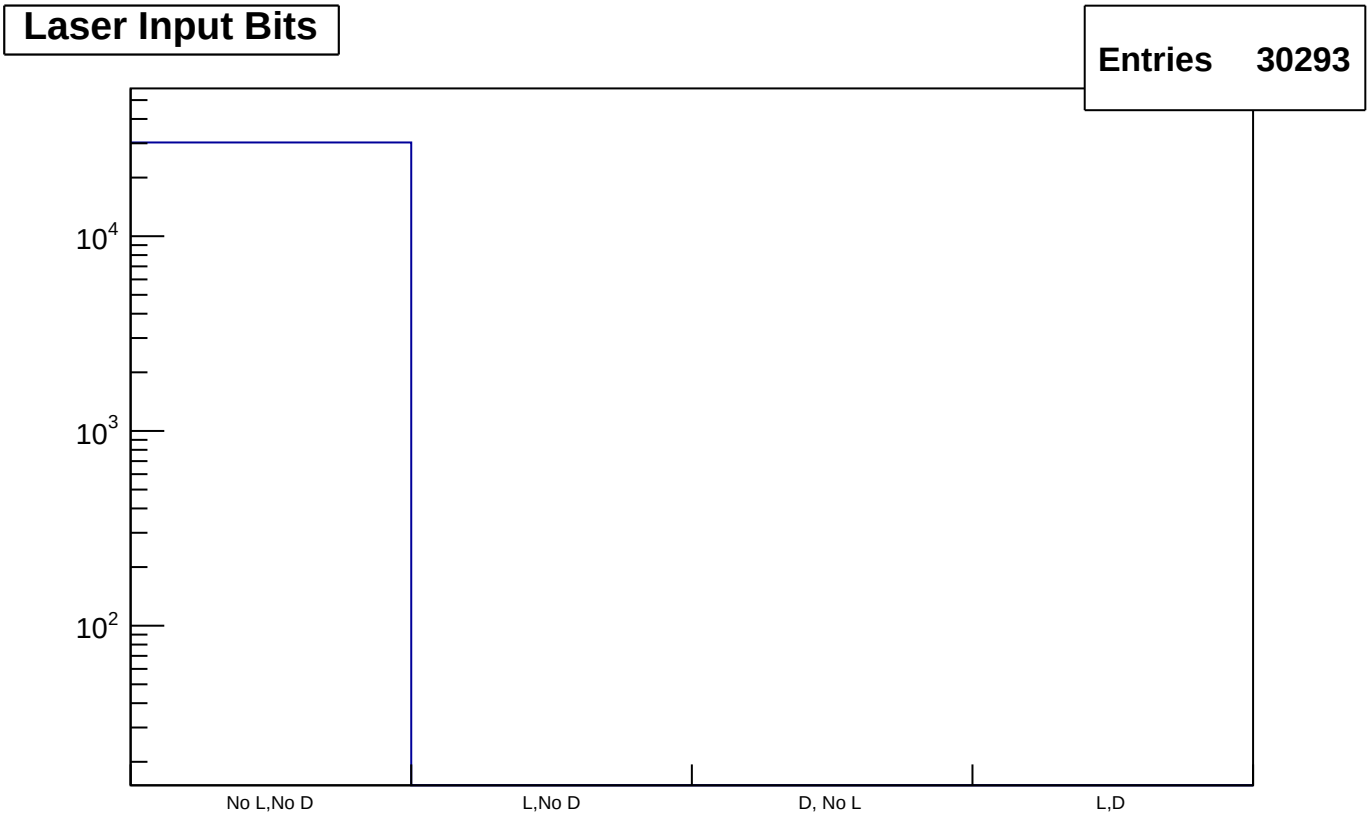

Entries 30293
TOF-Mult
VPD-West ADC Sum

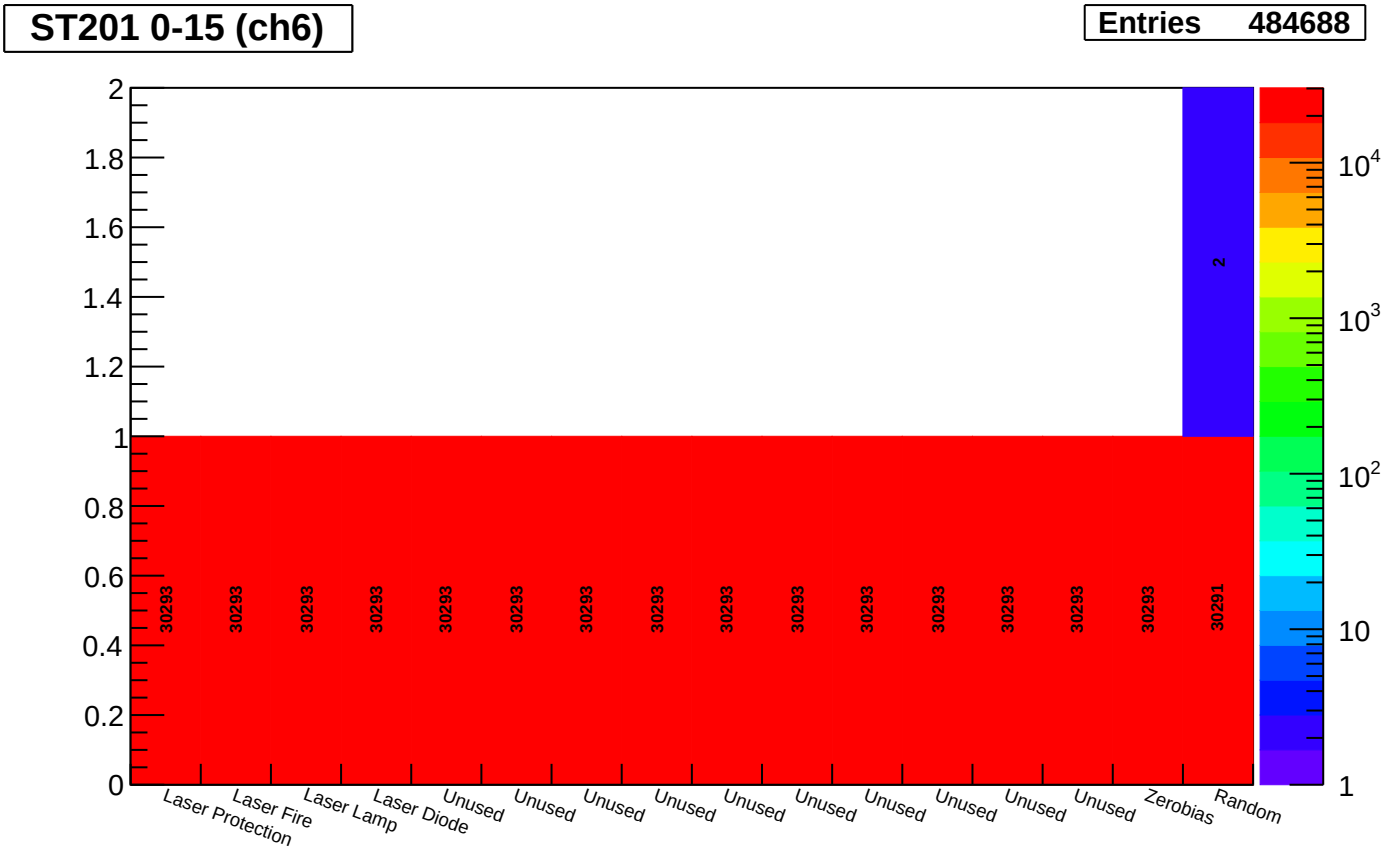

Entries 30293
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

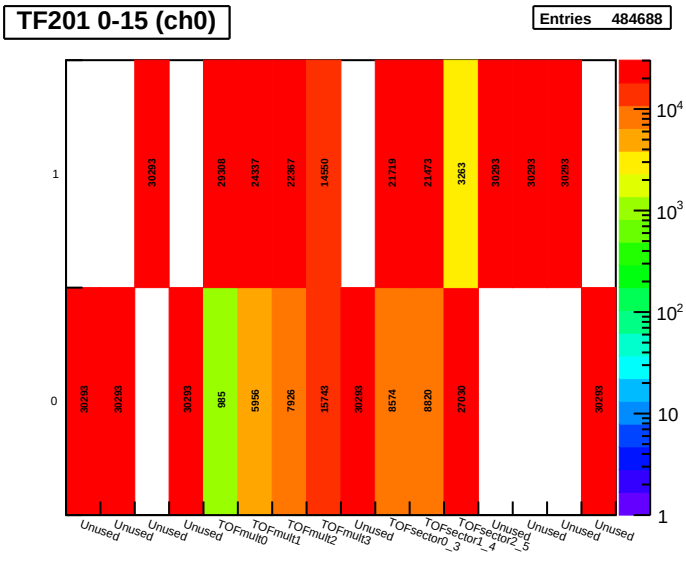

Entries 30293
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

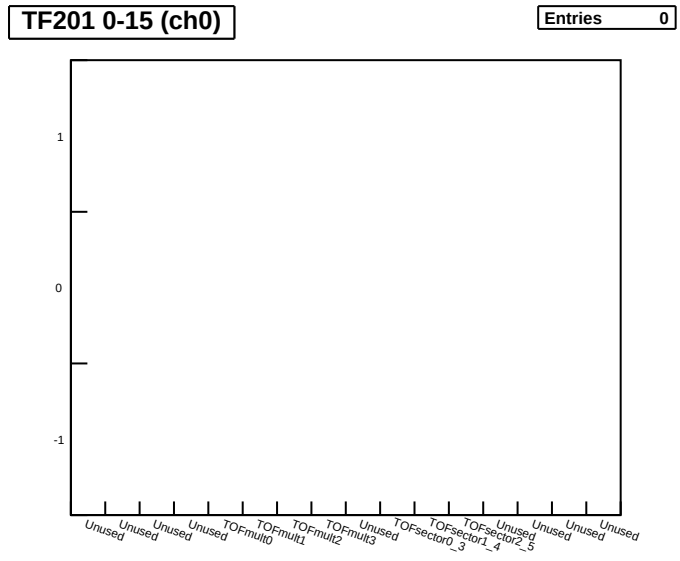

Entries 30293
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

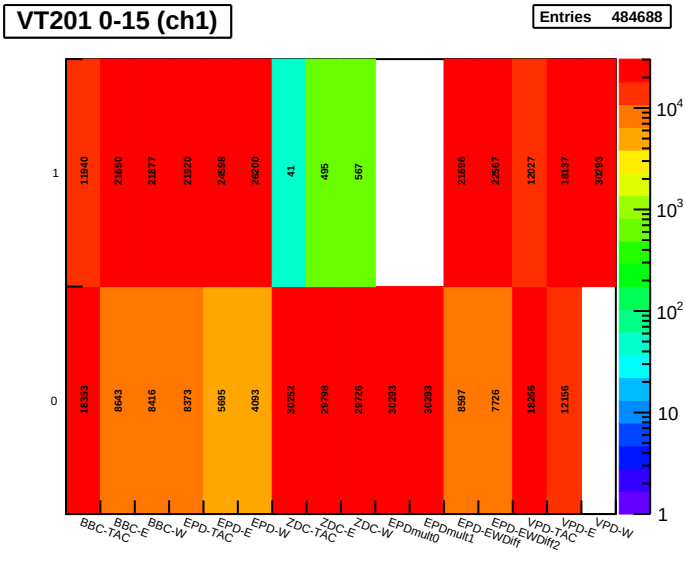

Entries 30293
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

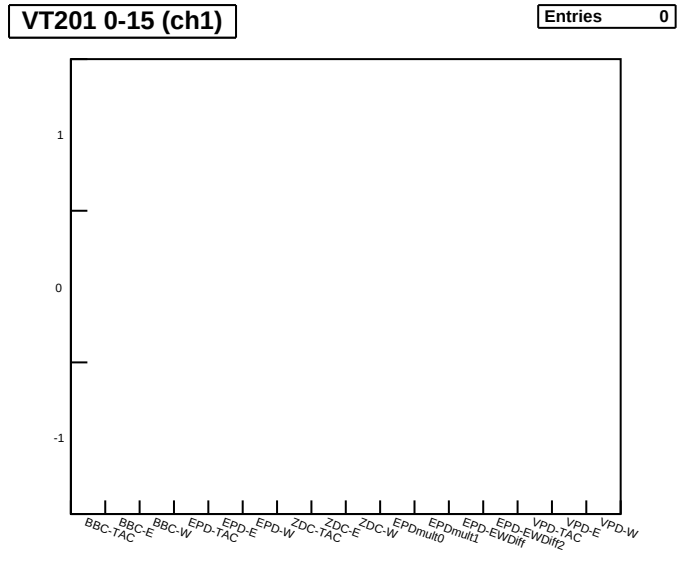

Laser Input Bits
Entries 30293
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

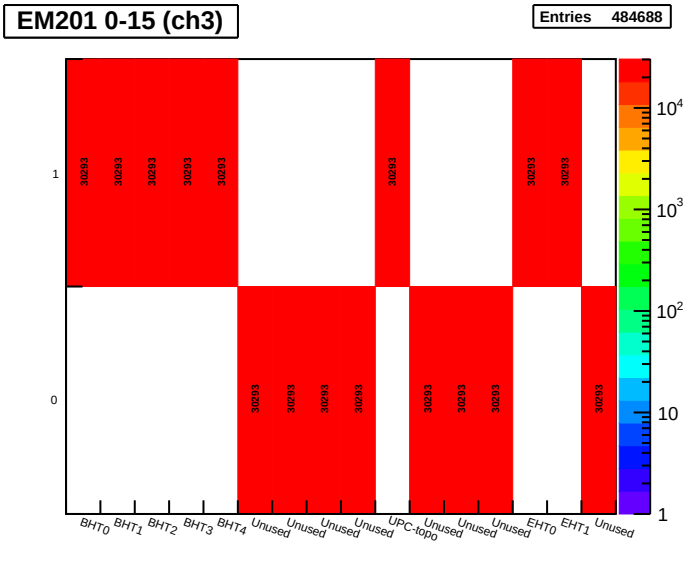

ST201 0-15 (ch6)
Entries 484688
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
30293
30291
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

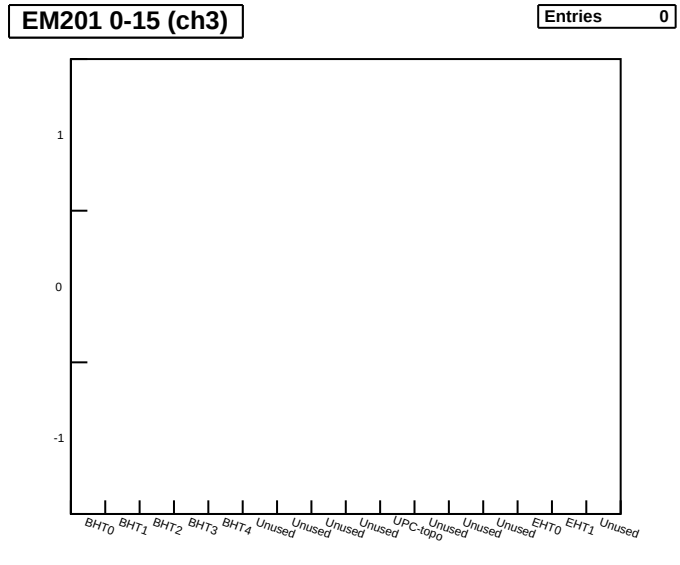

TF201 0-15 (ch0)
Entries 484688
1
0
30293 29308 24337 22367 14550 21719 21473 3263 30293 30293 30293
30293 30293 30293 985 5956 7926 15743 30293 8574 8820 27030 30293
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 484688
1
0
11940 21650 21877 21920 24598 26200 41 495 567 21696 22567 12027 18137 30293
18353 8643 8416 8373 5695 4093 30252 29798 29726 30293 30293 8597 7726 18266 12156
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
10^4
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 484688
1
0
30293 30293 30293 30293 30293 30293 30293 30293
30293 30293 30293 30293 30293 30293 30293 30293
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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