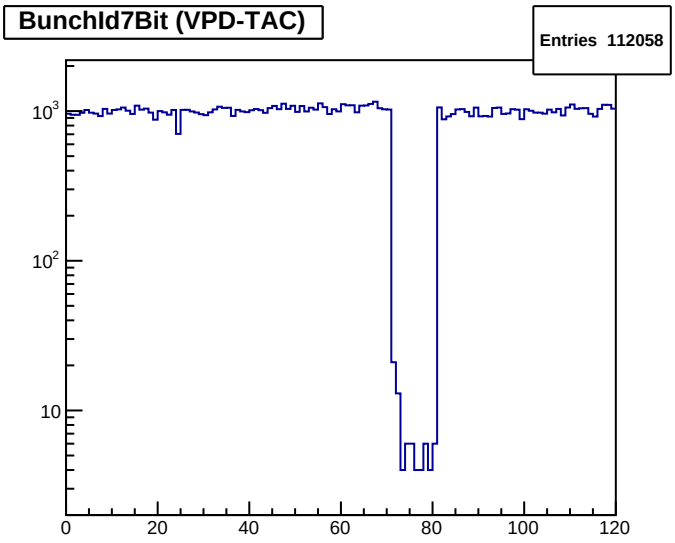
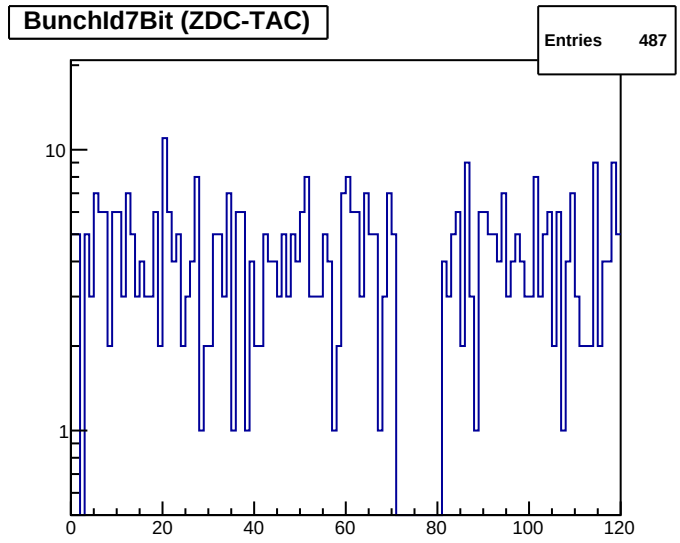
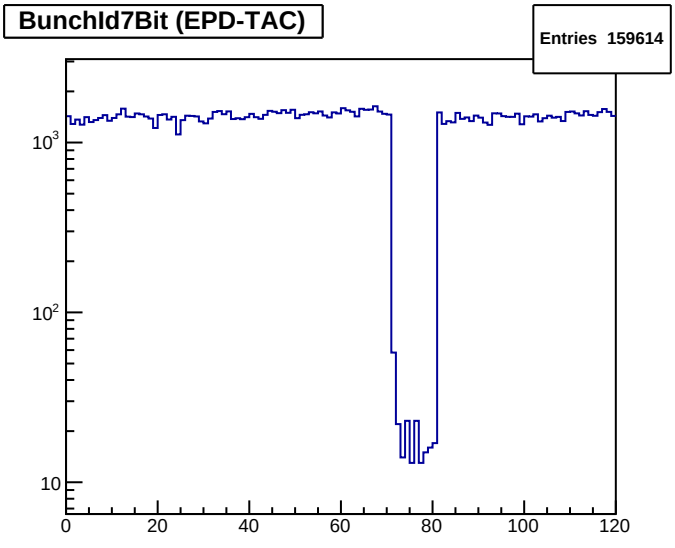
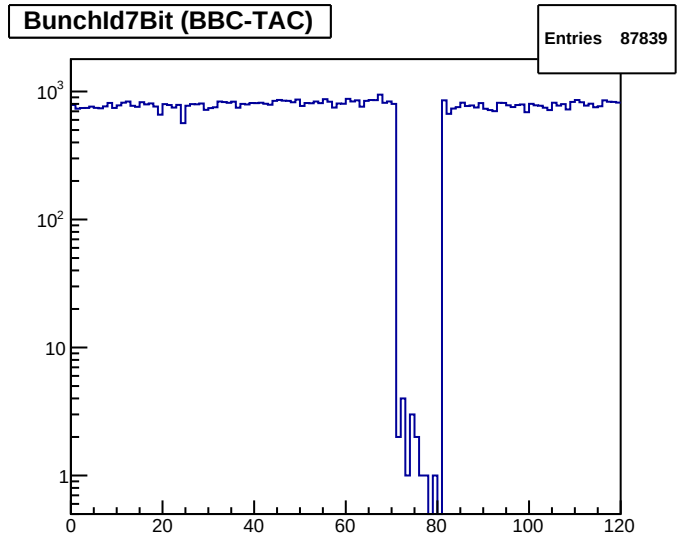
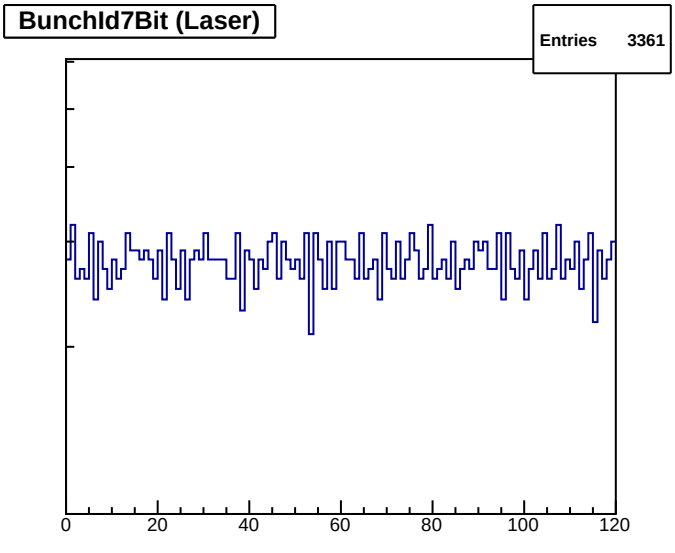
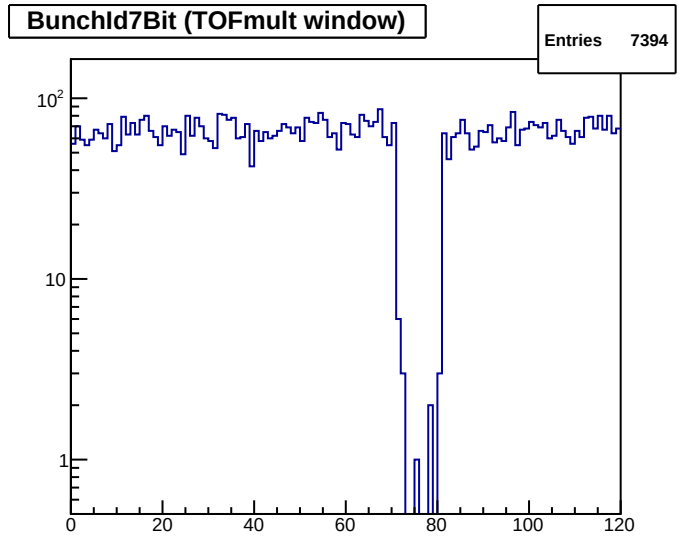

BunchId7Bit (VPD-TAC)
Entries 112058
10^3
10^2
10
0 20 40 60 80 100 120

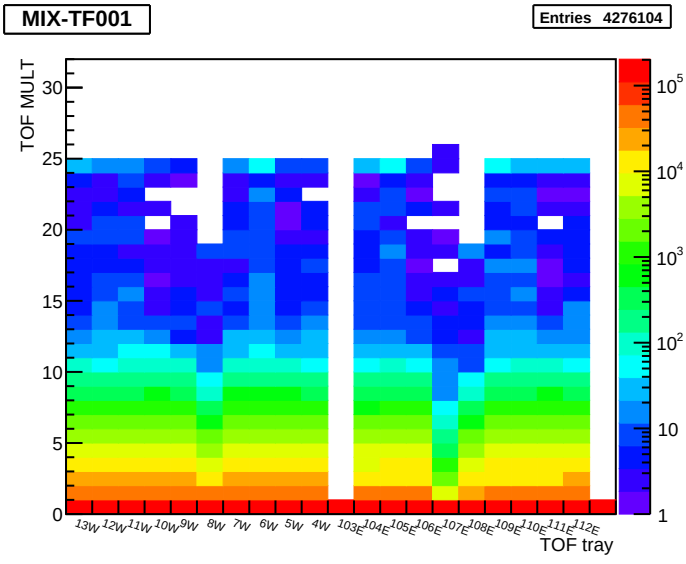

BunchId7Bit (ZDC-TAC)
Entries 487
10
1
0 20 40 60 80 100 120

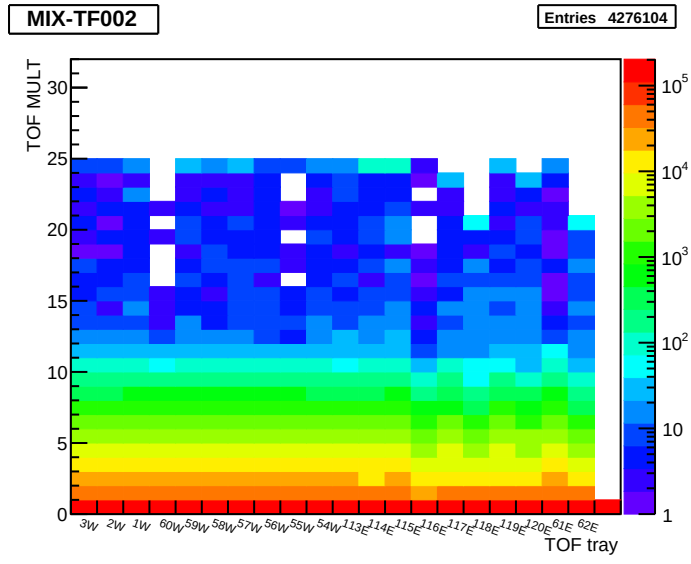

BunchId7Bit (EPD-TAC)
Entries 159614
10^3
10^2
10
0 20 40 60 80 100 120

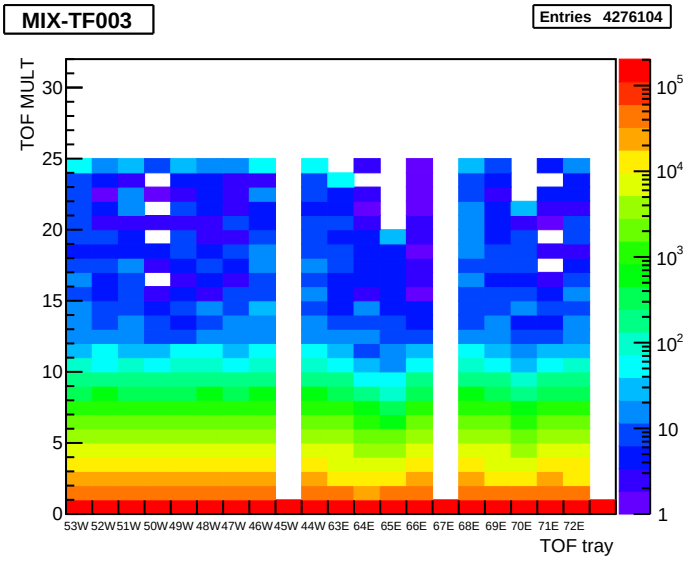

BunchId7Bit (BBC-TAC)
Entries 87839
10^3
10^2
10
1
0 20 40 60 80 100 120

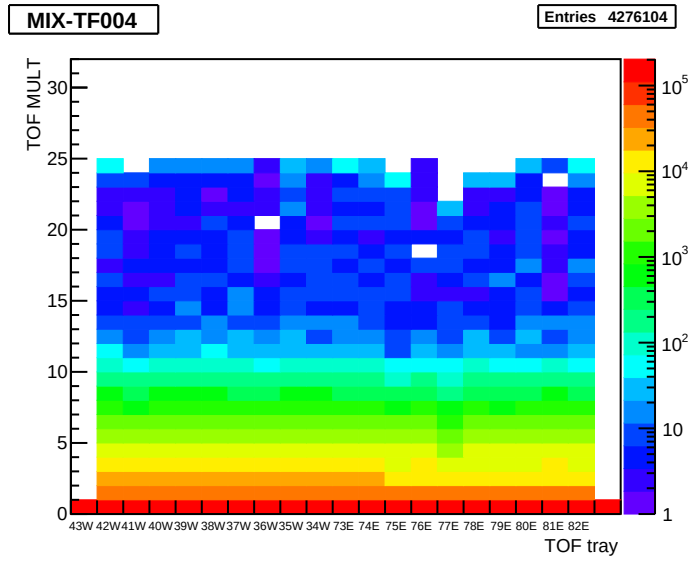

BunchId7Bit (Laser)
Entries 3361
0 20 40 60 80 100 120

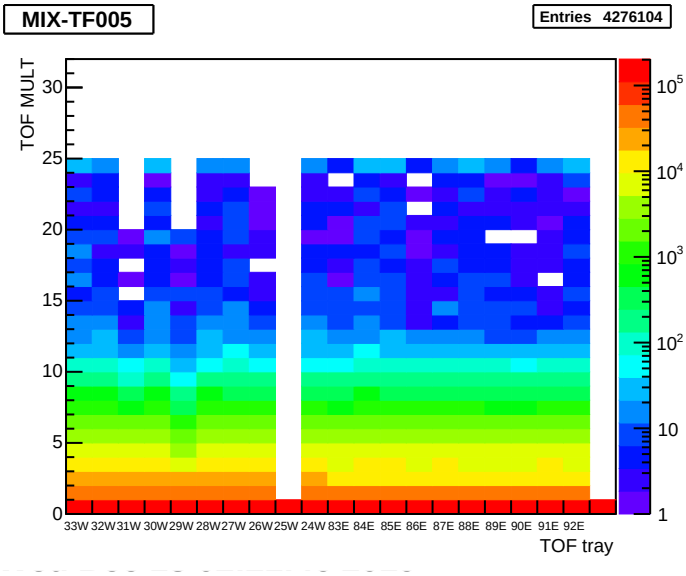

BunchId7Bit (TOFmult window)
Entries 7394
10^2
10
1
0 20 40 60 80 100 120

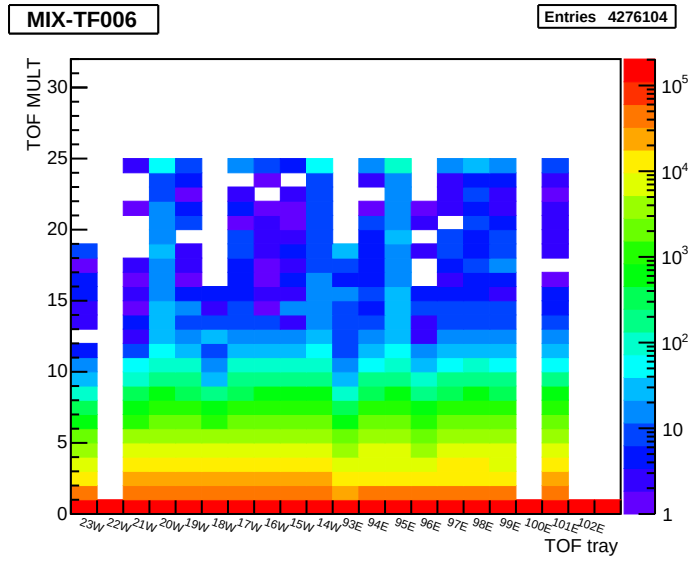

MIX-TF001
Entries 4276104
TOF MULT
TOF tray

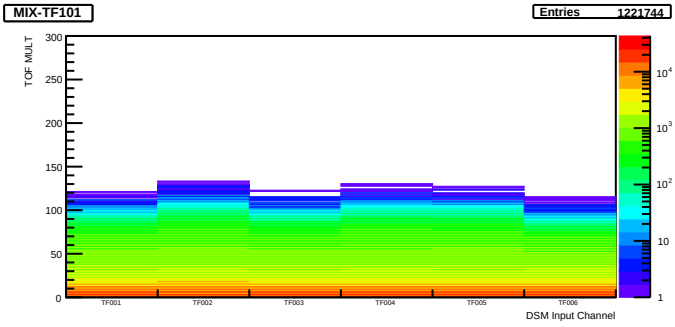

MIX-TF002
Entries 4276104
TOF MULT
TOF tray

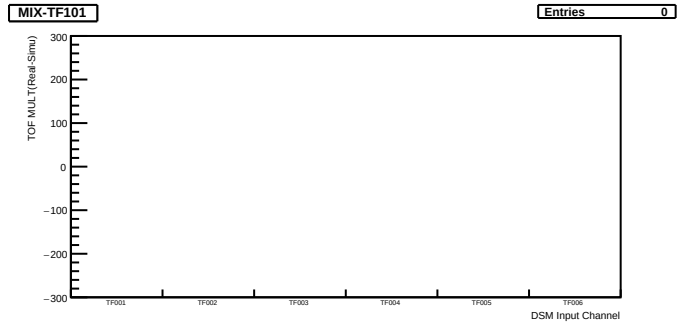

MIX-TF003
Entries 4276104
TOF MULT
TOF tray

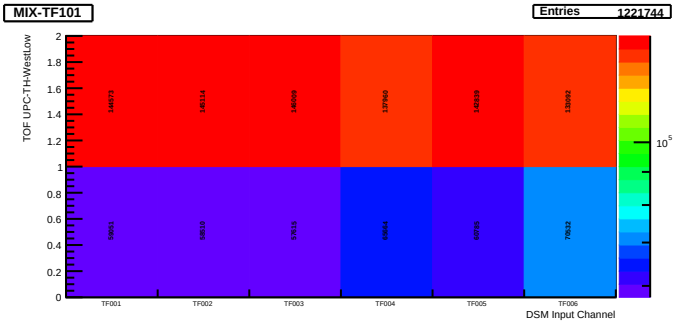

MIX-TF004
Entries 4276104
TOF MULT
TOF tray

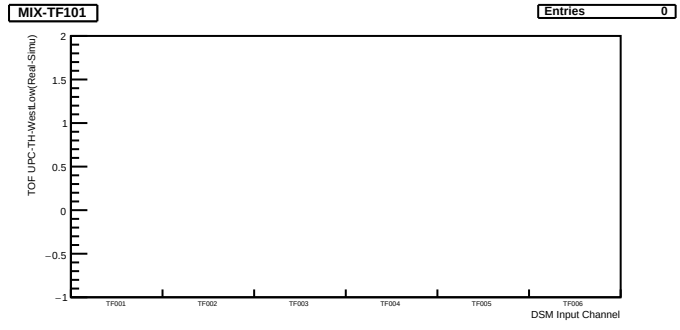

MIX-TF005
Entries 4276104
TOF MULT
TOF tray

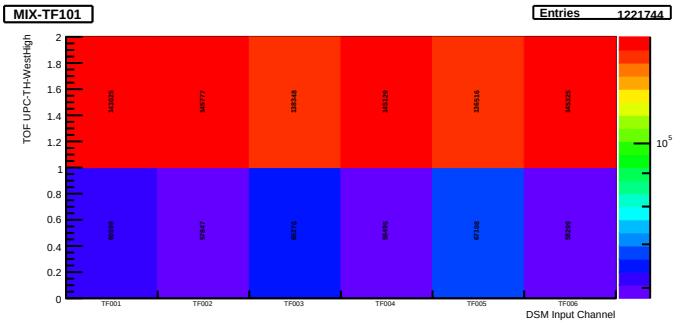

MIX-TF006
Entries 4276104
TOF MULT
TOF tray

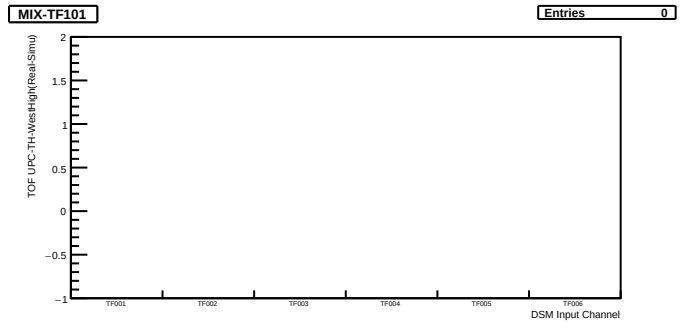

MIX-TF101
Entries 1221744
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

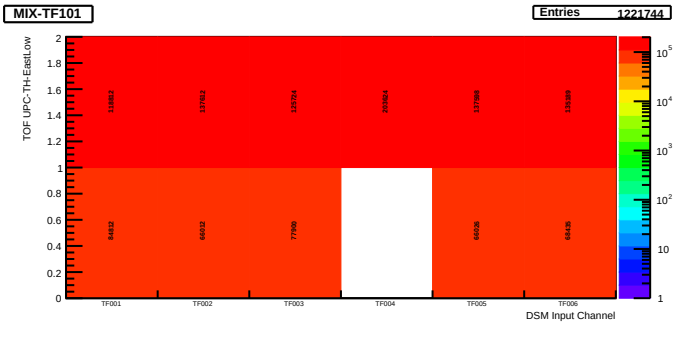

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

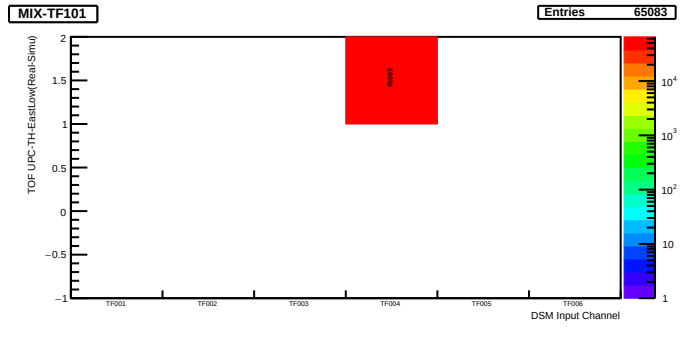

MIX-TF101
Entries 1221744
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

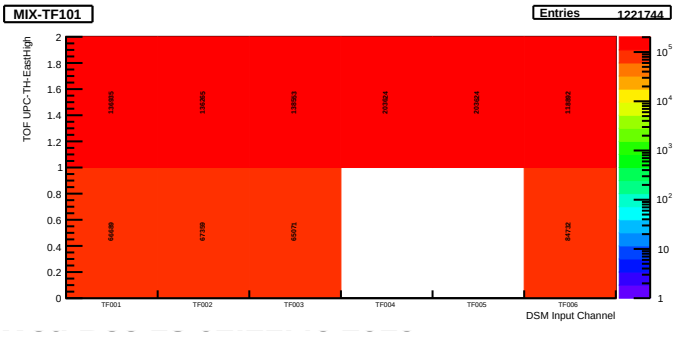

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

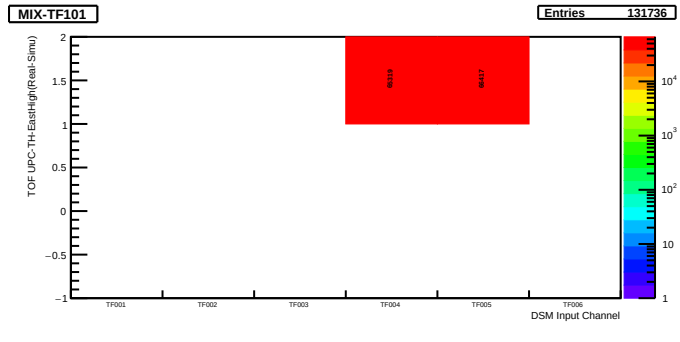

MIX-TF101
Entries 1221744
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

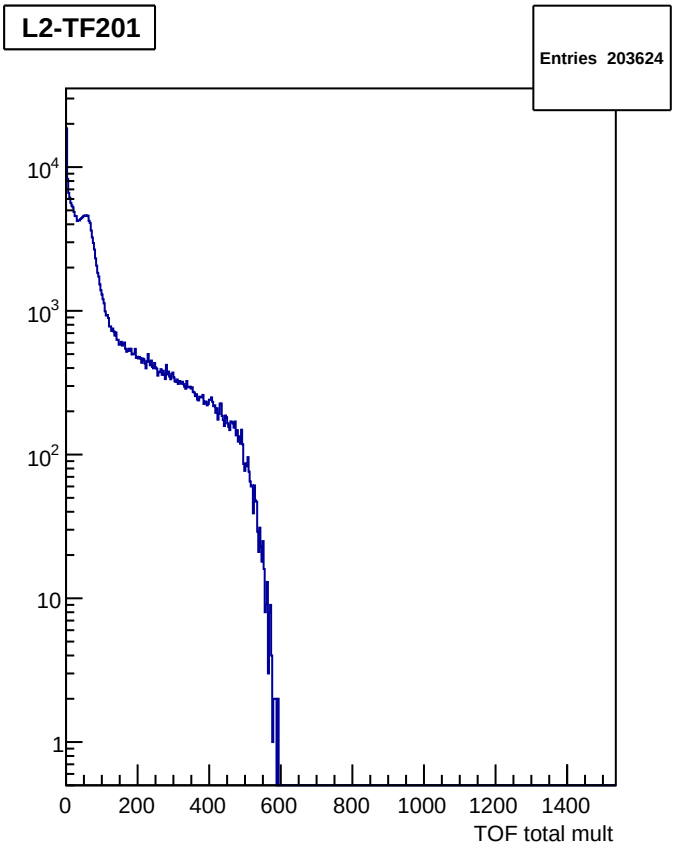

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

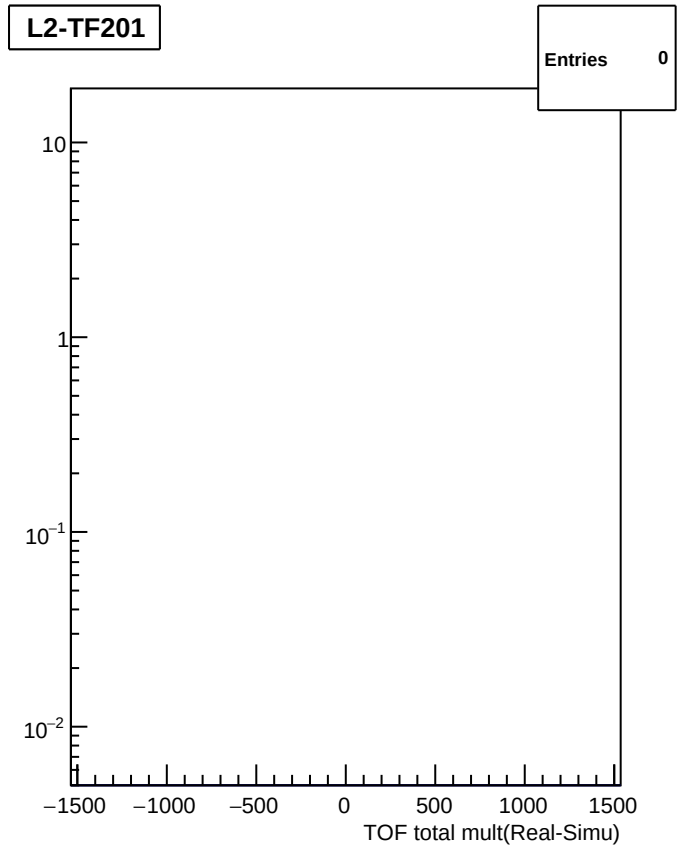

MIX-TF101
Entries 1221744
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

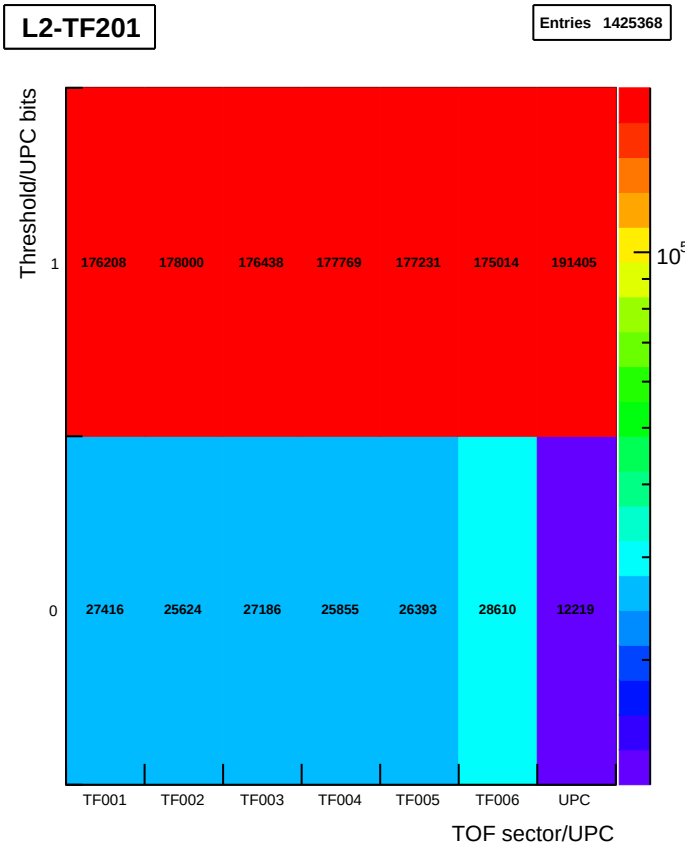

MIX-TF101
Entries 65083
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

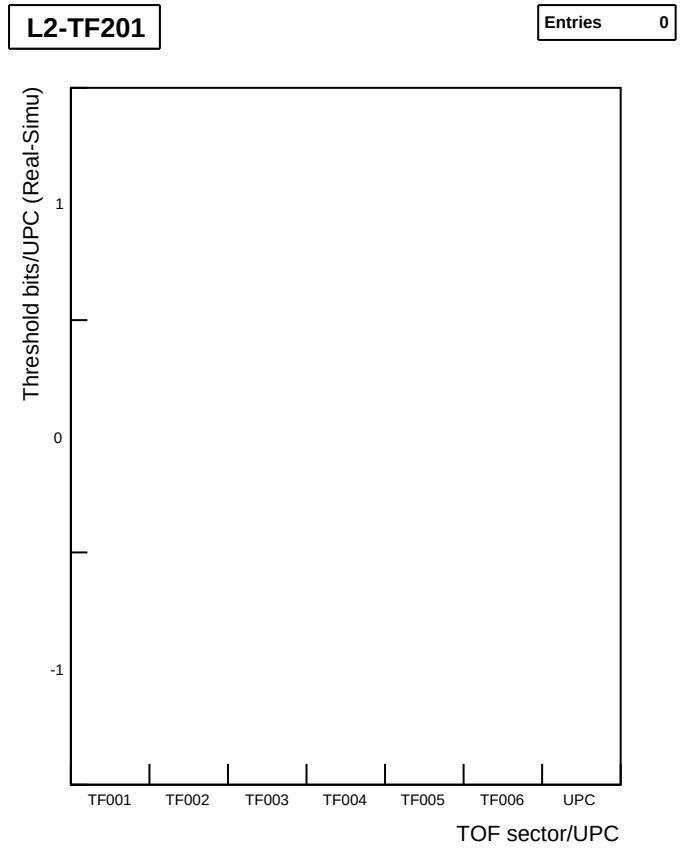

MIX-TF101
Entries 1221744
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

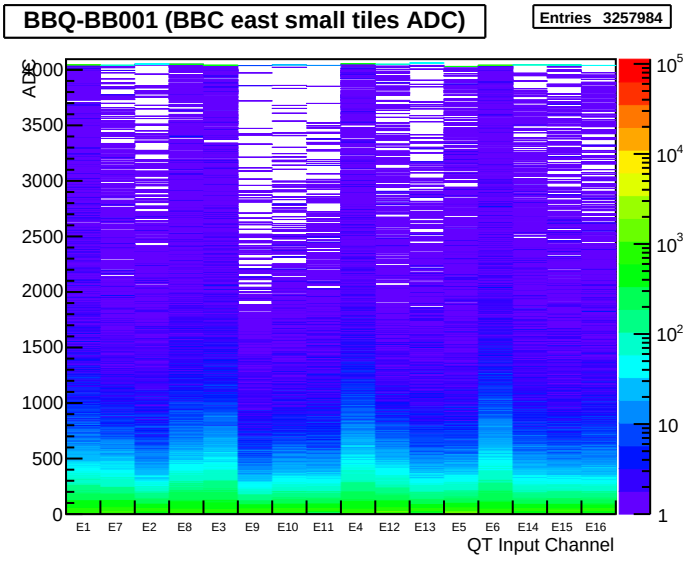

MIX-TF101
Entries 131736
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

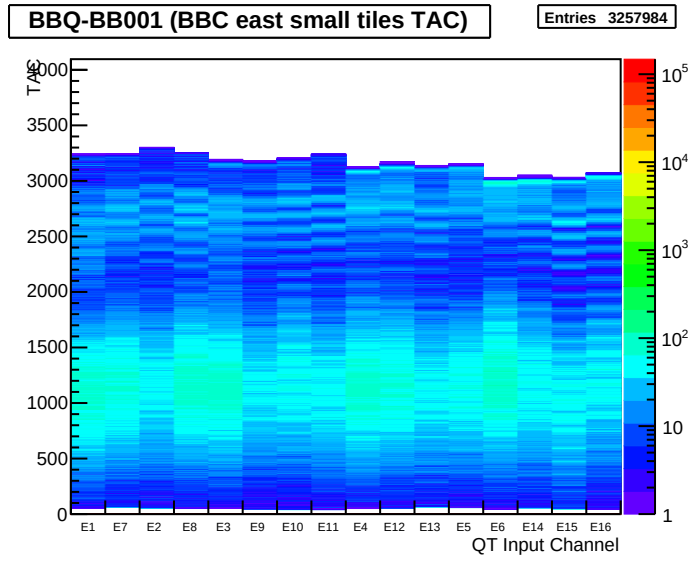

L2-TF201
Entries 203624
TOF total mult

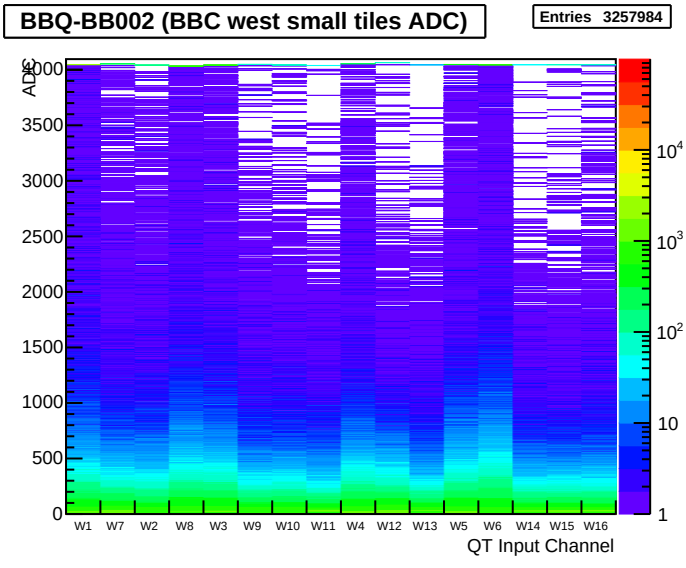

L2-TF201
Entries 0
TOF total mult(Real-Simu)

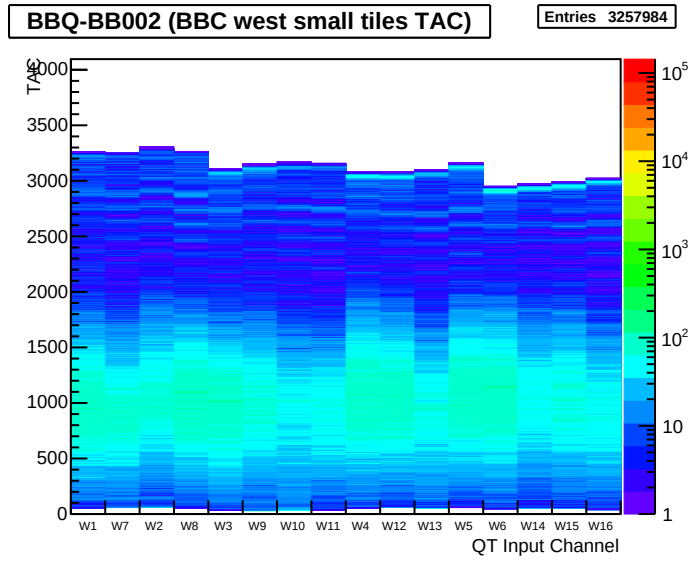

L2-TF201
Entries 1425368
Threshold/UPC bits
176208
178000
176438
177769
177231
175014
191405
27416
25624
27186
25855
26393
28610
12219
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

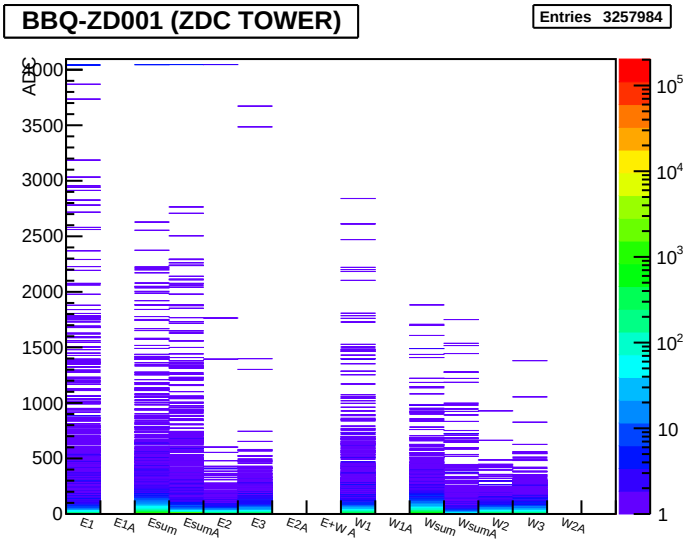

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

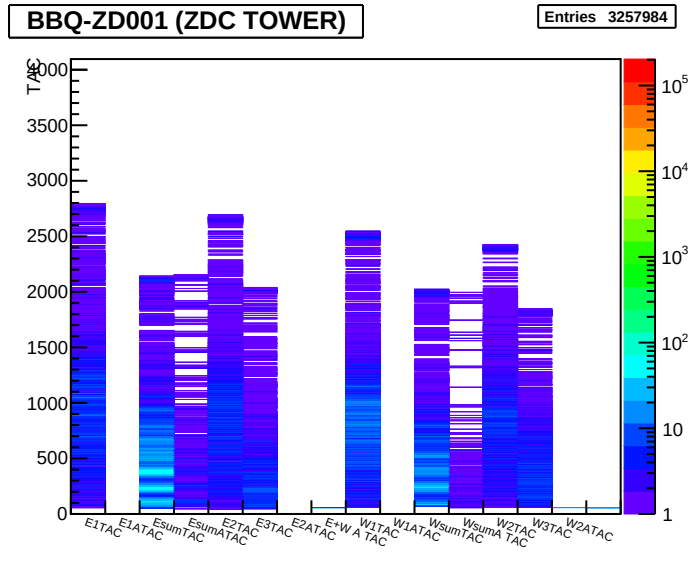

BBQ-BB001 (BBC east small tiles ADC)
Entries 3257984
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

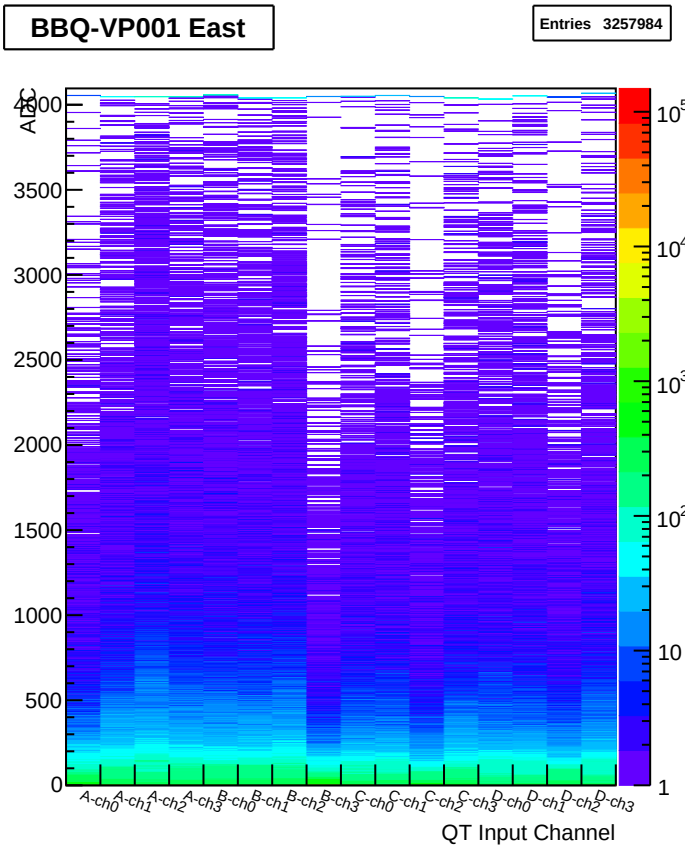

BBQ-BB001 (BBC east small tiles TAC)
Entries 3257984
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

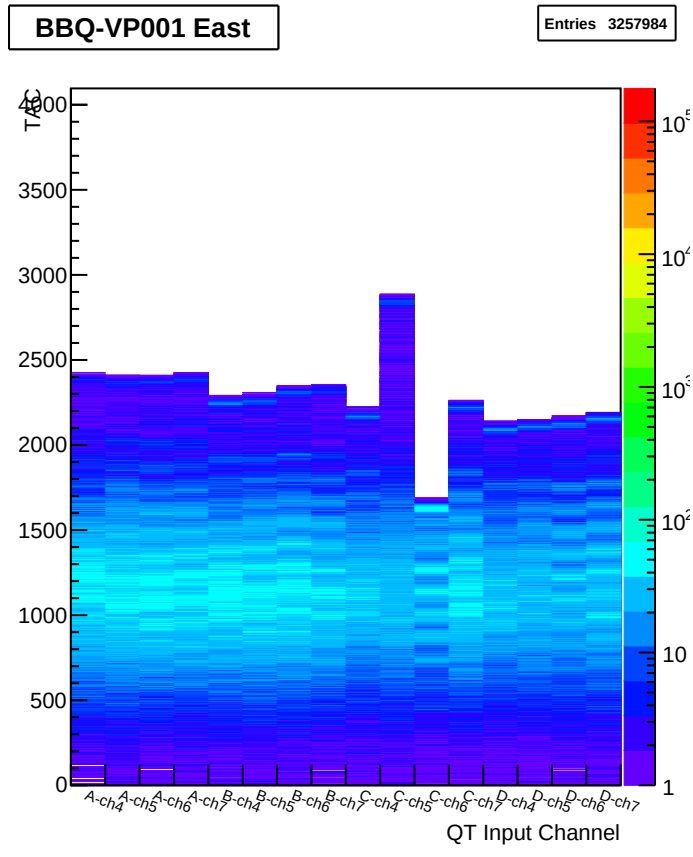

BBQ-BB002 (BBC west small tiles ADC)
Entries 3257984
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

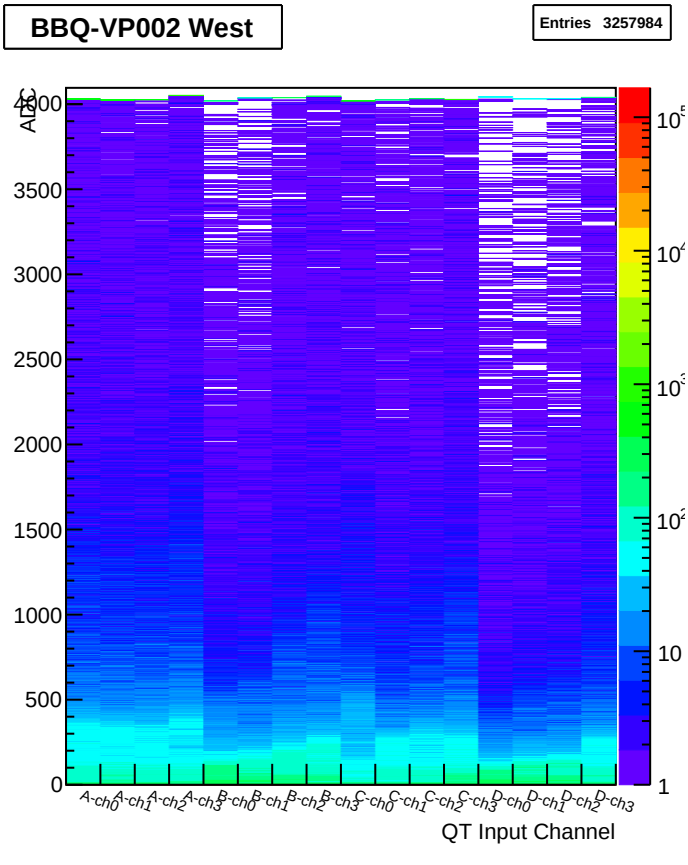

BBQ-BB002 (BBC west small tiles TAC)
Entries 3257984
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

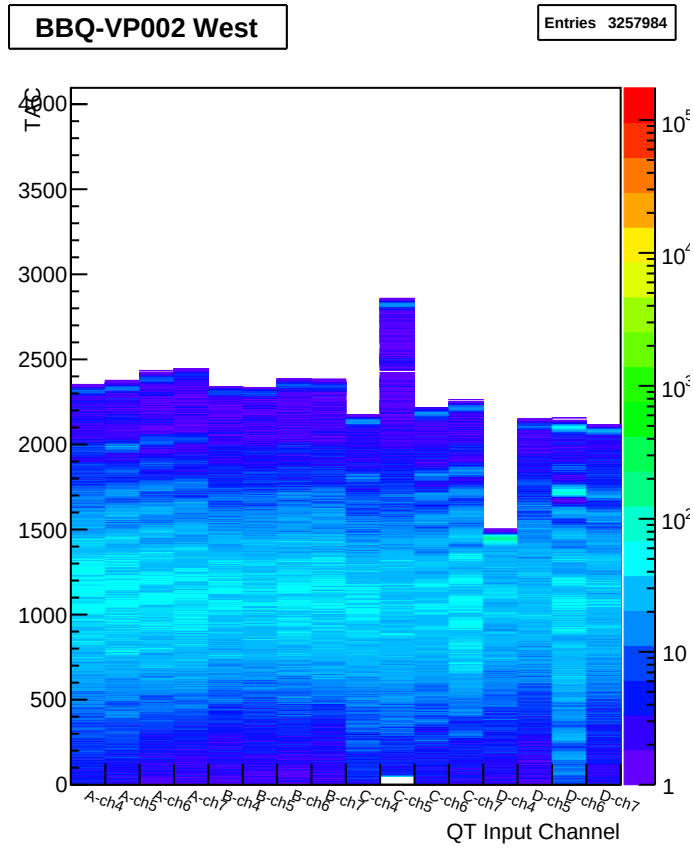

BBQ-ZD001 (ZDC TOWER)
Entries 3257984
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

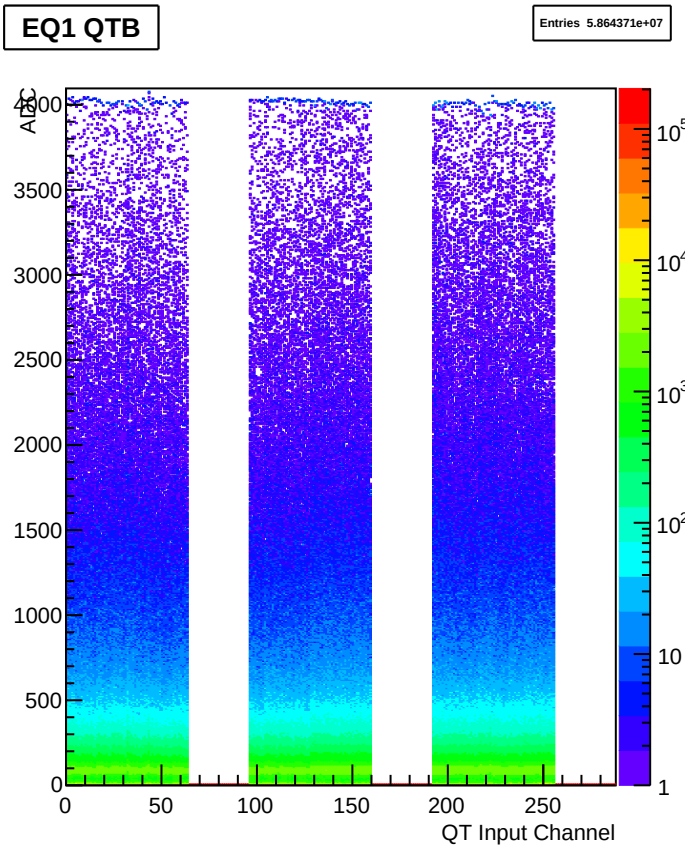

BBQ-ZD001 (ZDC TOWER)
Entries 3257984
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

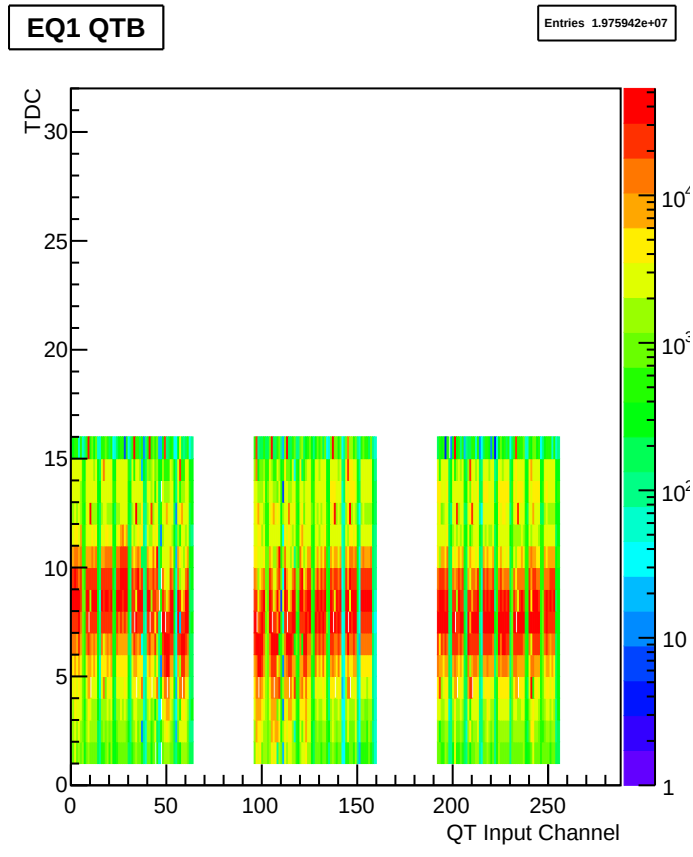

BBQ-VP001 East
Entries 3257984
ADC
QT Input Channel

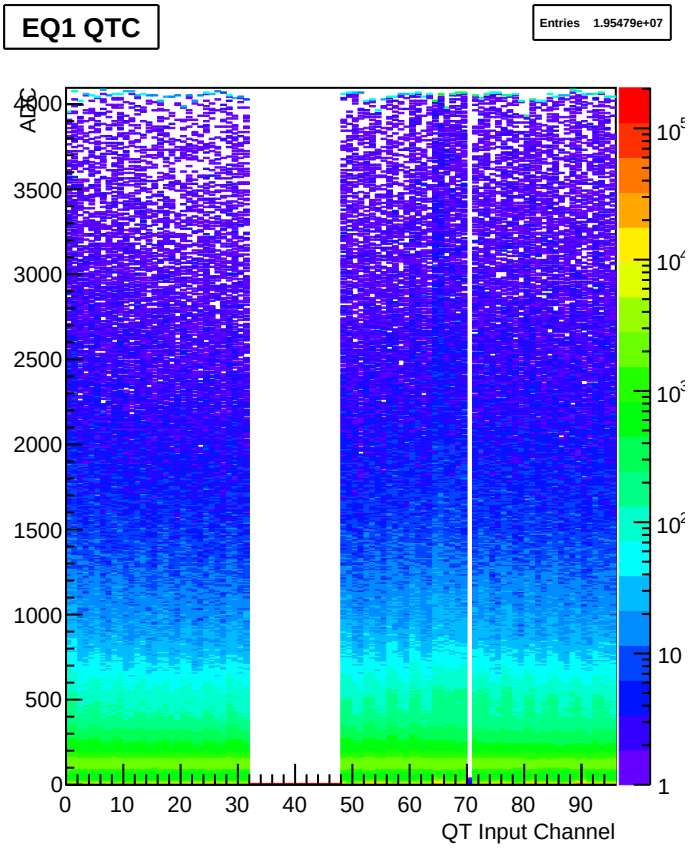

BBQ-VP001 East
Entries 3257984
ADC
QT Input Channel

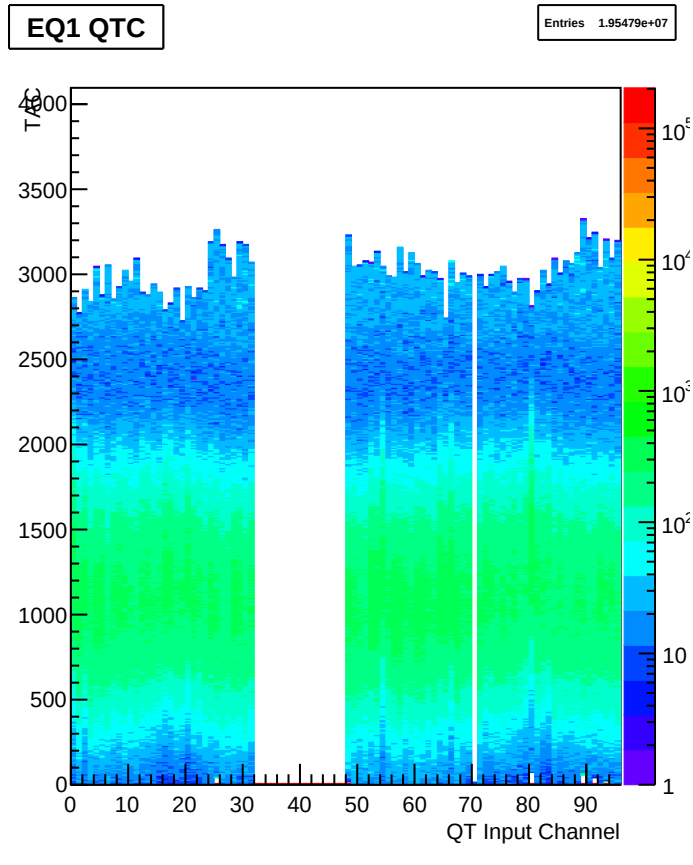

BBQ-VP002 West
Entries 3257984
ADC
QT Input Channel

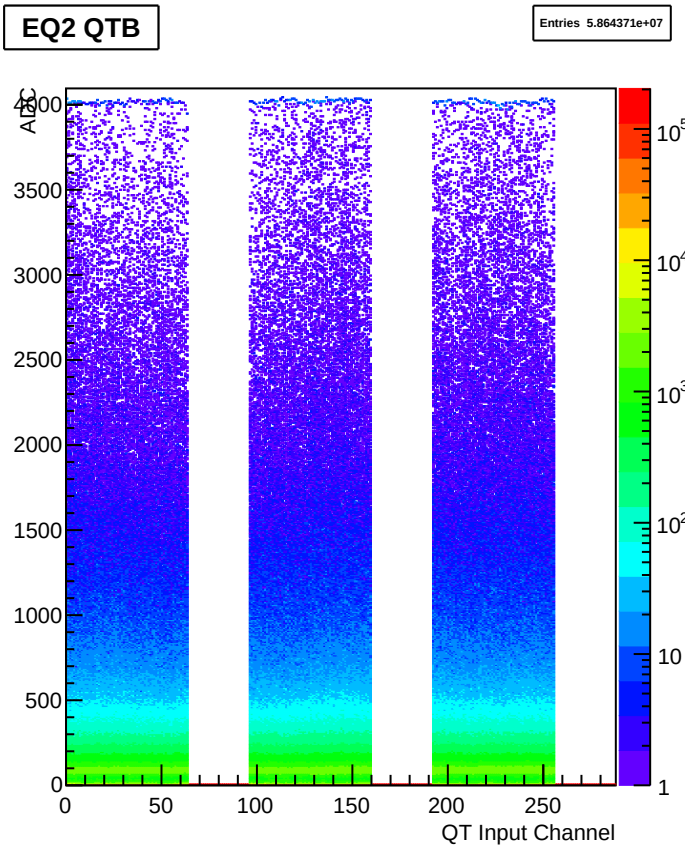

BBQ-VP002 West
Entries 3257984
ADC
QT Input Channel

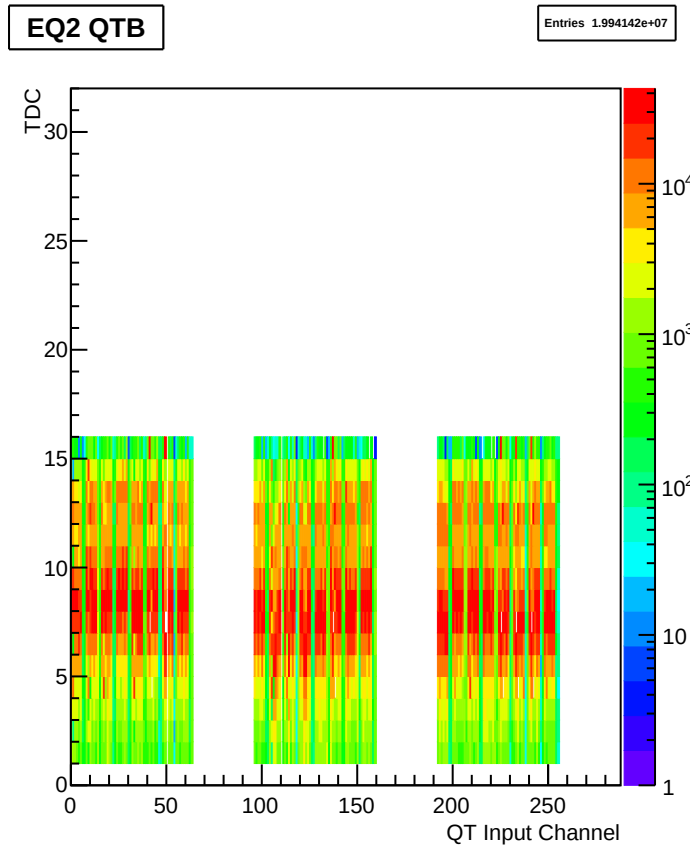

EQ1 QTB
Entries 5.864371e+07
ADC
QT Input Channel

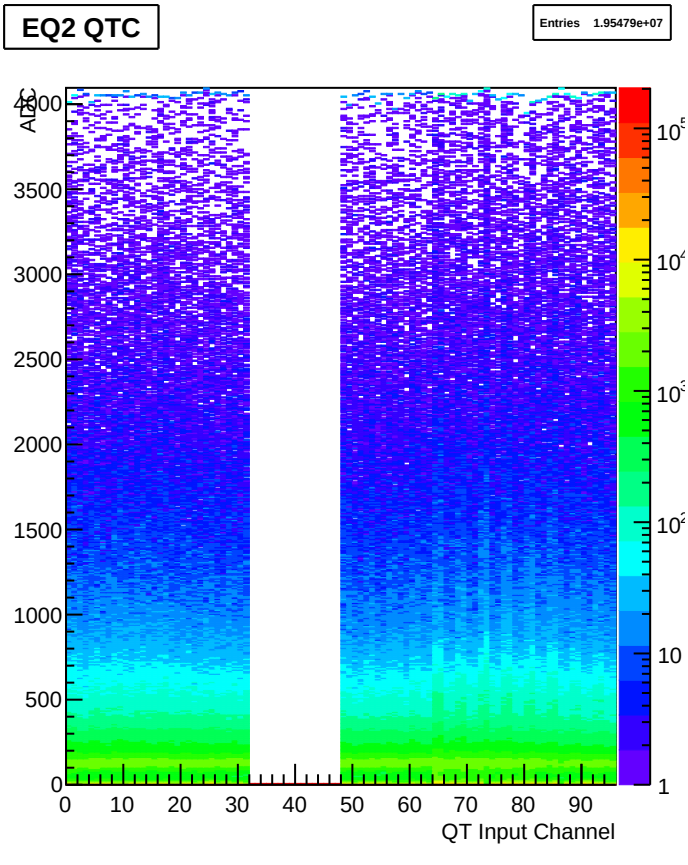

EQ1 QTB
Entries 1.975942e+07
TDC
QT Input Channel

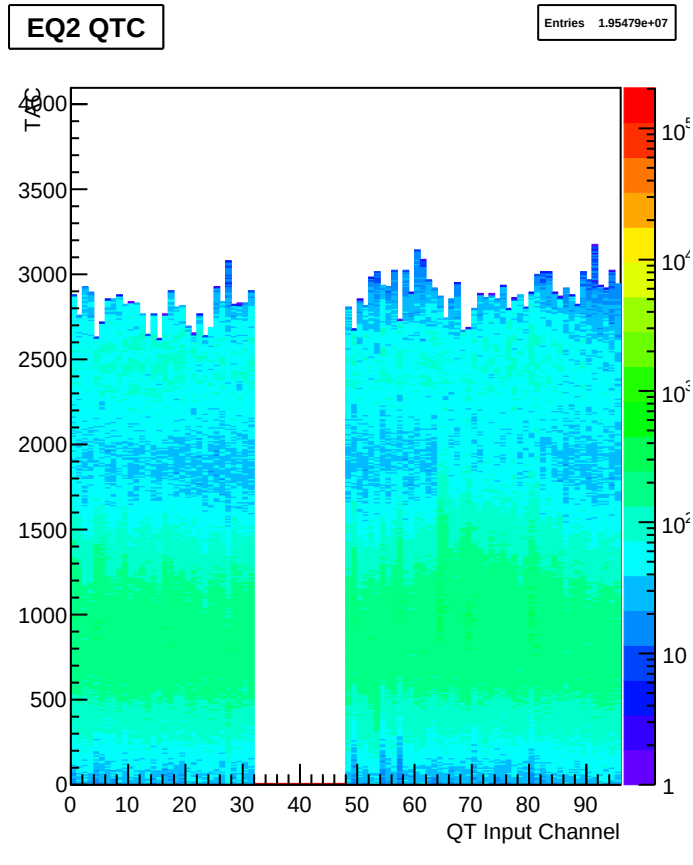

EQ1 QTC
Entries 1.95479e+07
ADC
QT Input Channel

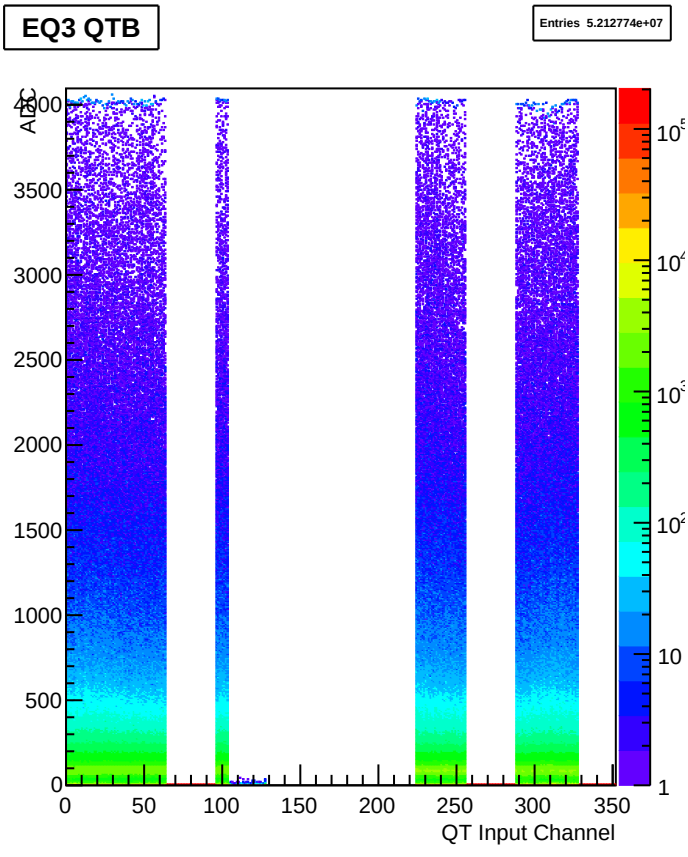

EQ1 QTC
Entries 1.95479e+07
TADC
QT Input Channel

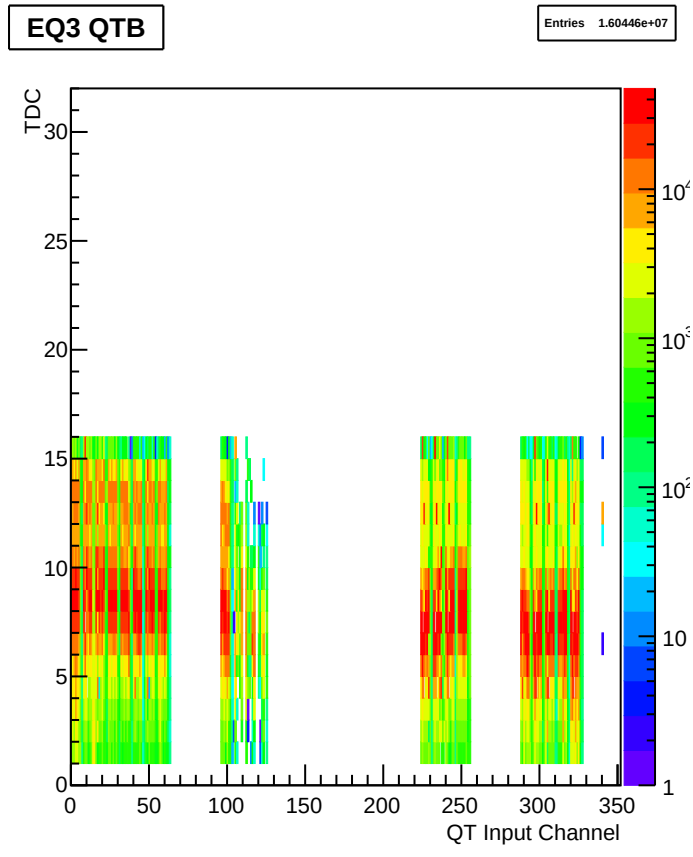

EQ2 QTB
Entries 5.864371e+07
ADC
QT Input Channel

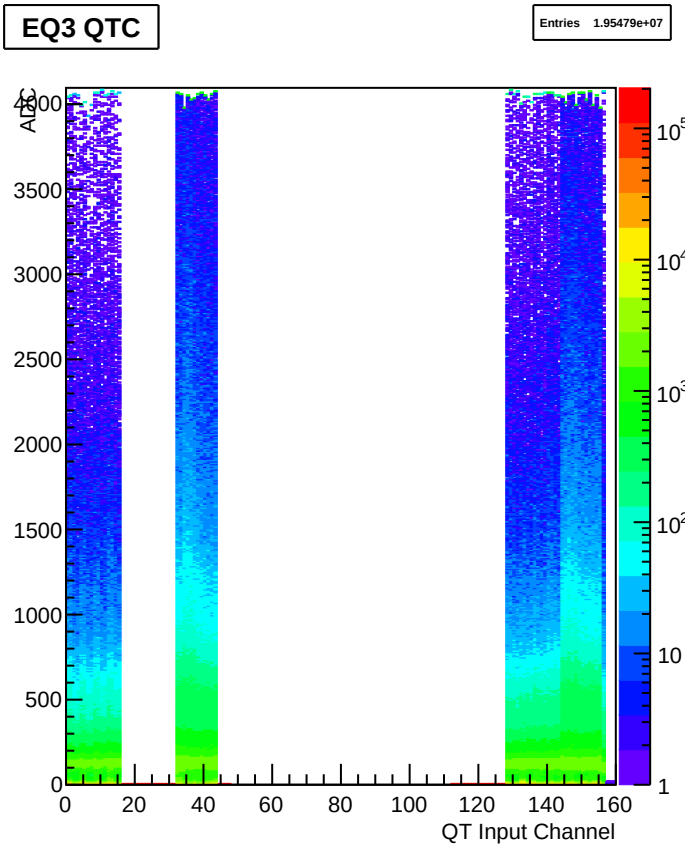

EQ2 QTB
Entries 1.994142e+07
TDC
QT Input Channel

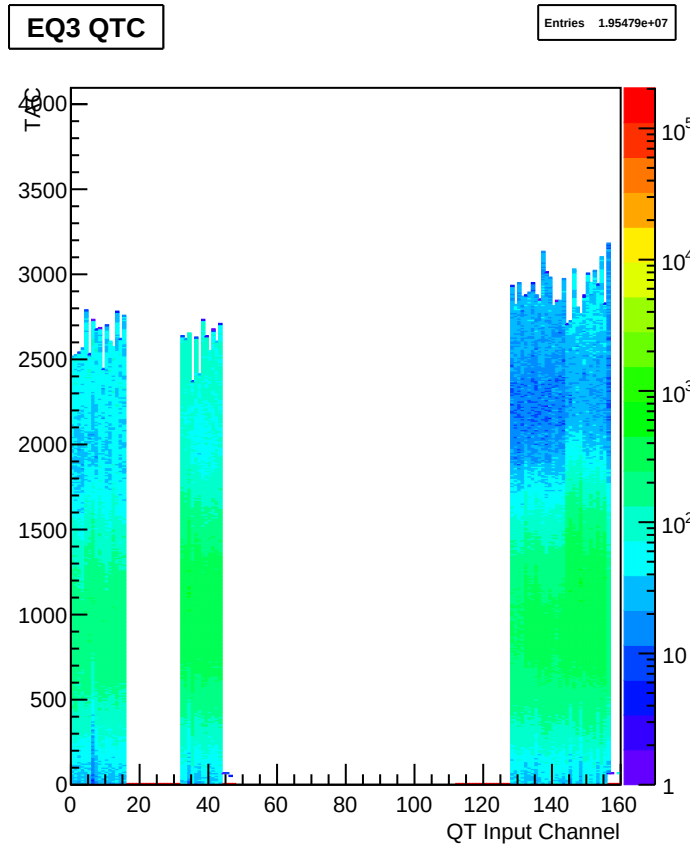

EQ2 QTC
Entries 1.95479e+07
ADC
QT Input Channel

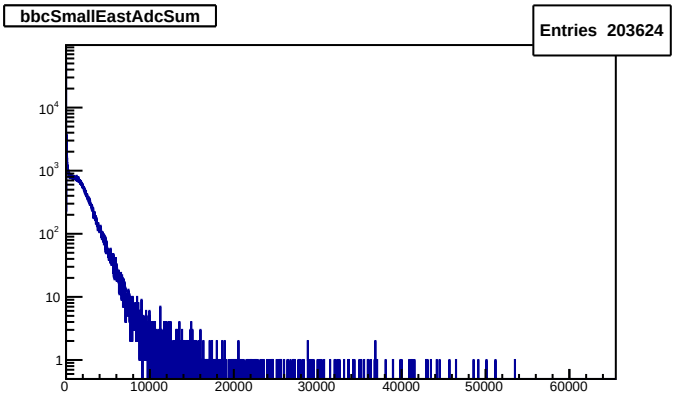

EQ2 QTC
Entries 1.95479e+07
TADC
QT Input Channel

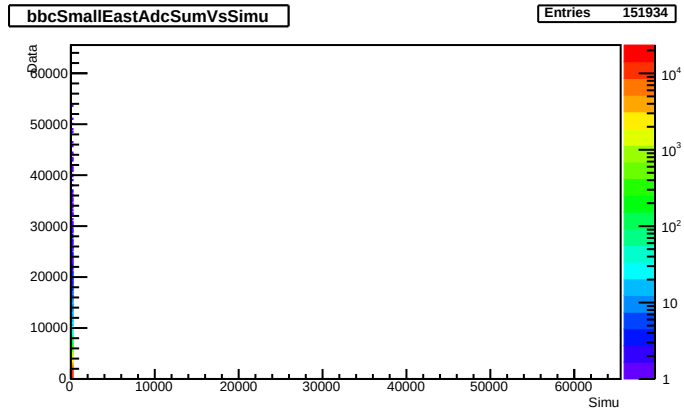

EQ3 QTB
Entries 5.212774e+07
ADC
QT Input Channel

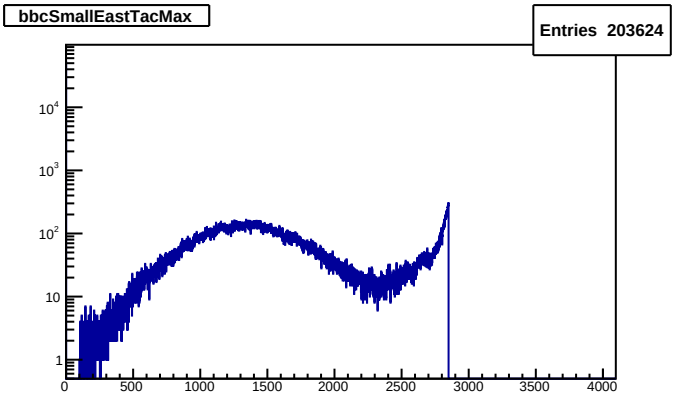

EQ3 QTB
Entries 1.60446e+07
TDC
QT Input Channel

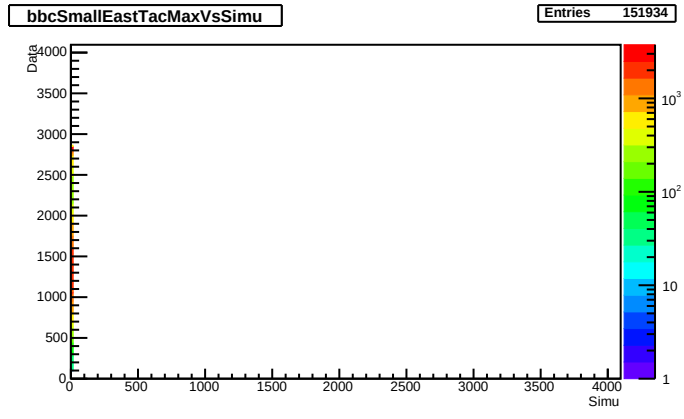

EQ3 QTC
Entries 1.95479e+07
ADC
QT Input Channel

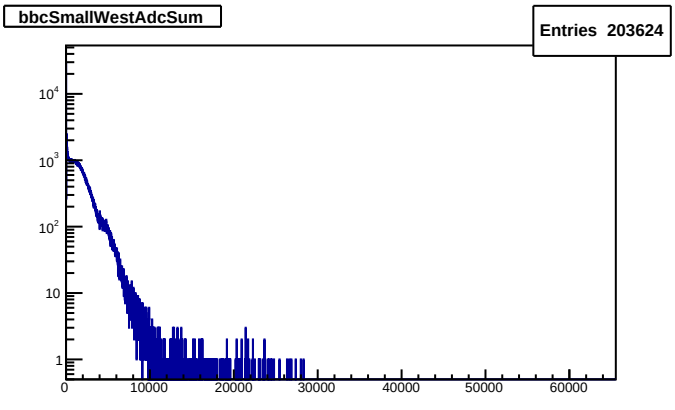

EQ3 QTC
Entries 1.95479e+07
TADC
QT Input Channel

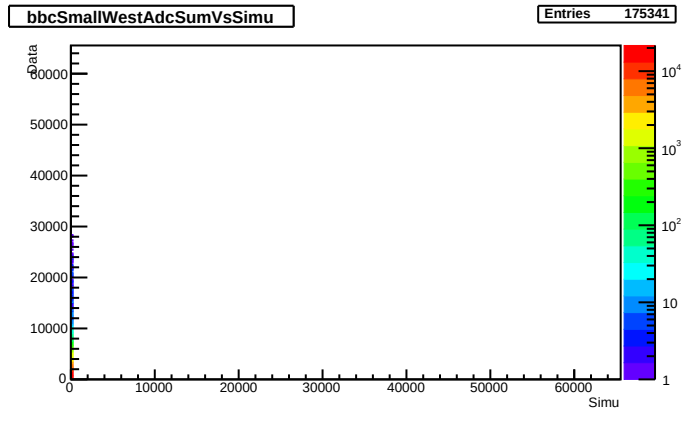

bbcSmallEastAdcSum
Entries 203624


bbcSmallEastAdcSumVsSimu
Entries 151934
Data
Simu


bbcSmallEastTacMax
Entries 203624


bbcSmallEastTacMaxVsSimu
Entries 151934
Data
Simu


bbcSmallWestAdcSum
Entries 203624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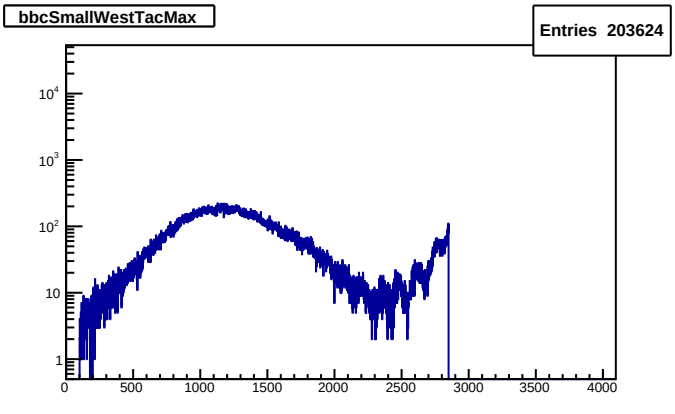
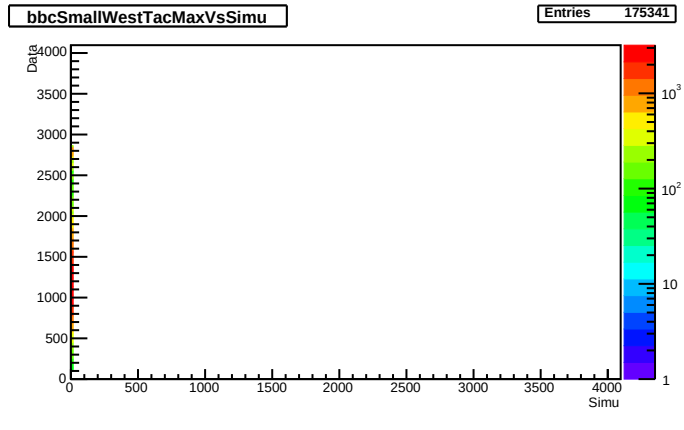
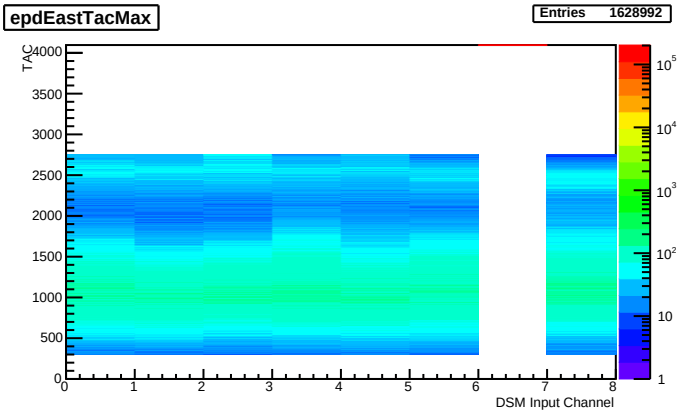
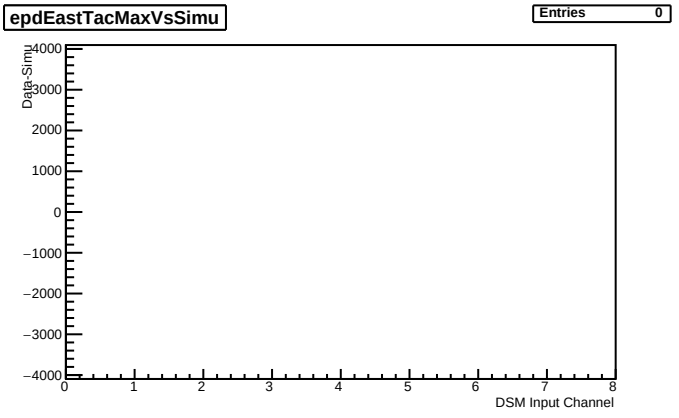
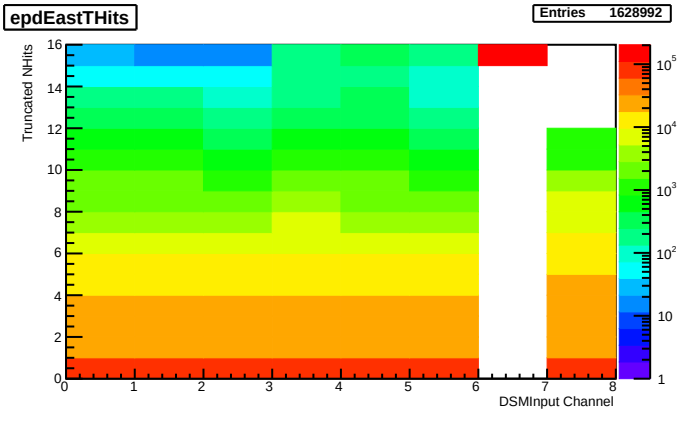
Entries 175341
Data
Simu

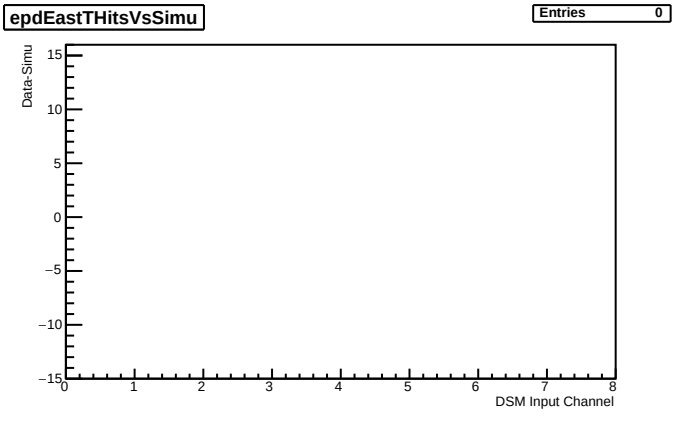

bbcSmallWestTacMax
Entries 203624


bbcSmallWestTacMaxVsSimu
Entries 175341
Data
Simu


epdEastTacMax
Entries 1628992
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1628992
Truncated NHits
DSMInput Channel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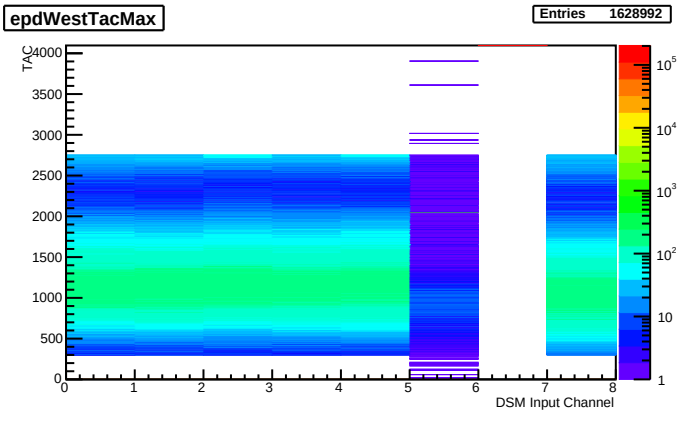
Data-Simu
DSM Input Channel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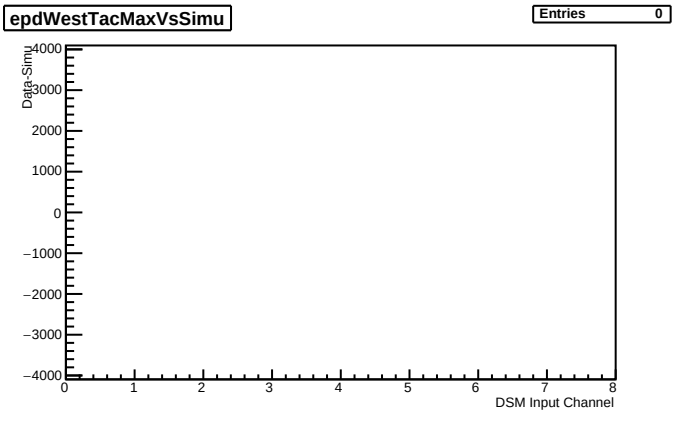
Entries 1628992
TAC
DSM Input Channel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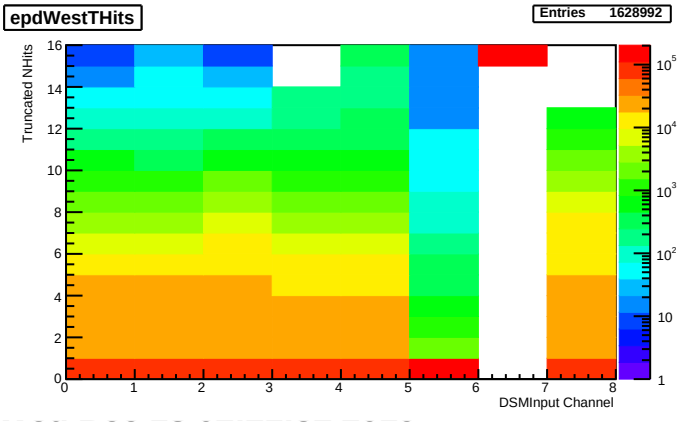
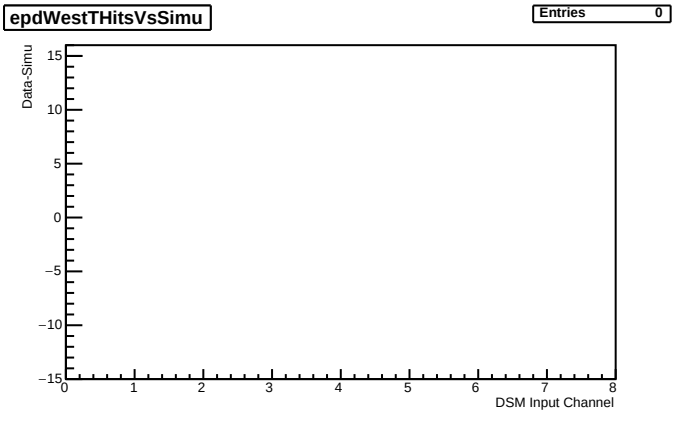
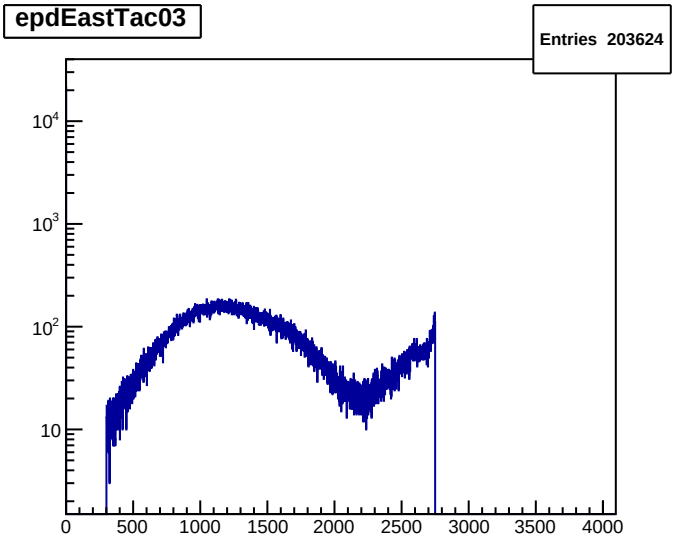
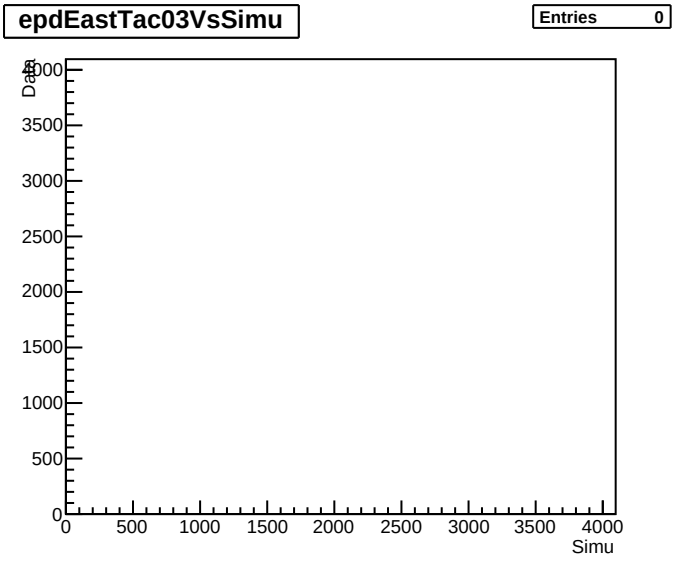
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1628992
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 203624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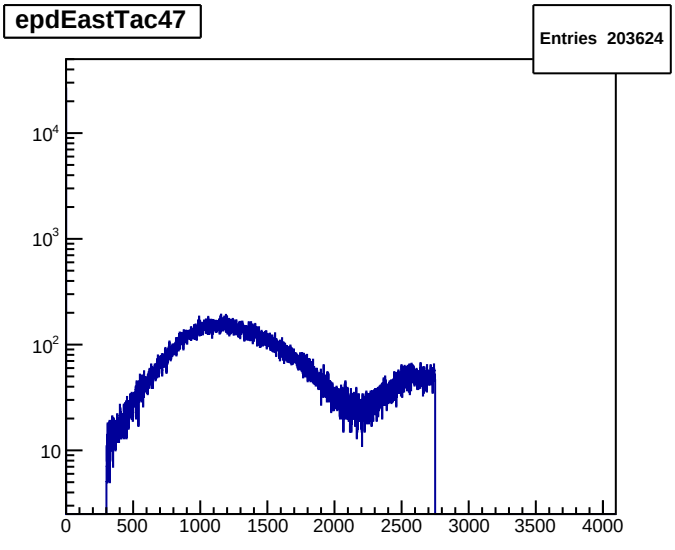
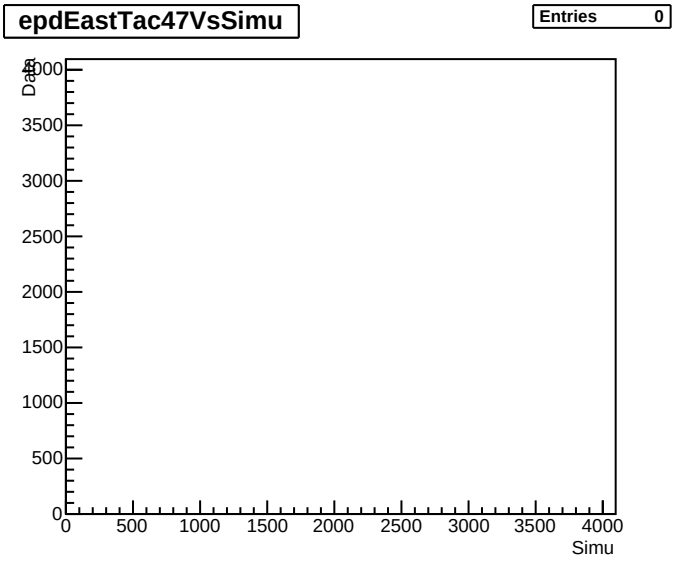
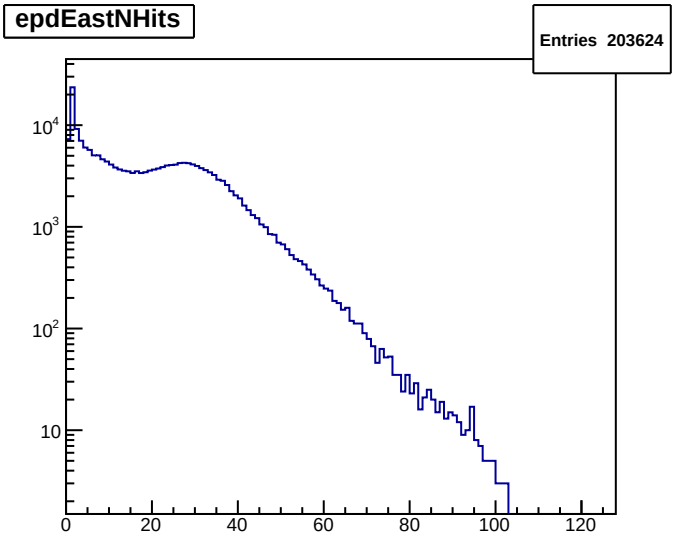
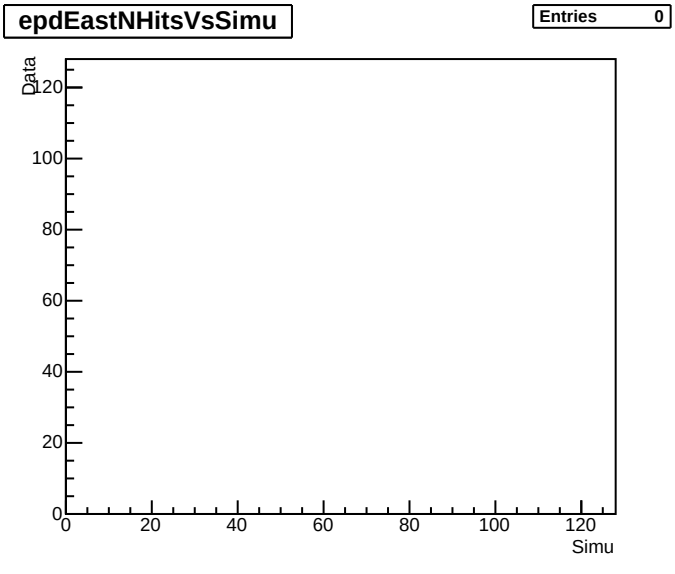
Entries 0
Data
Simu


epdEastTac47
Entries 203624


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 203624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Entries 0
Data
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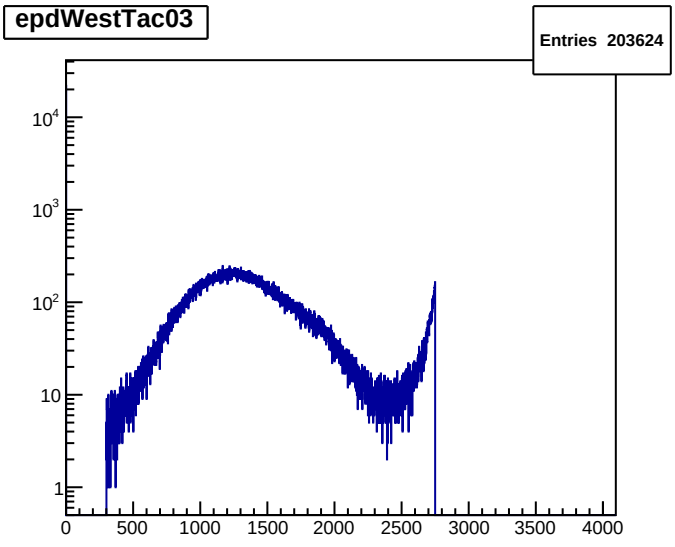
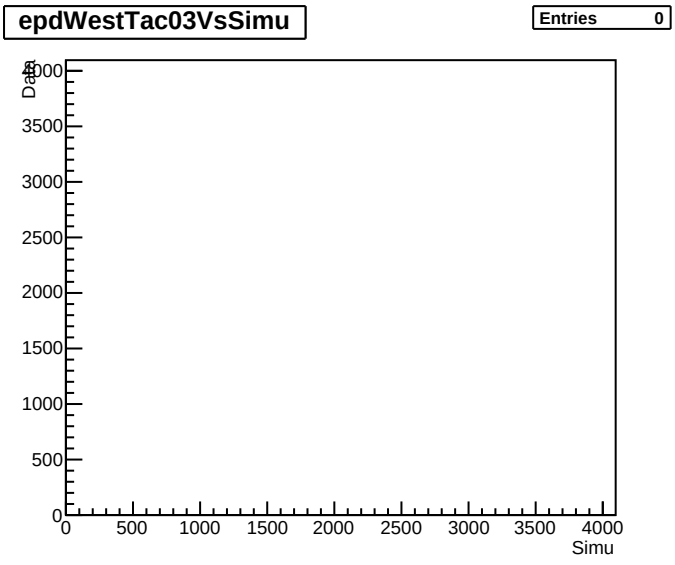

epdWestTac03
Entries 203624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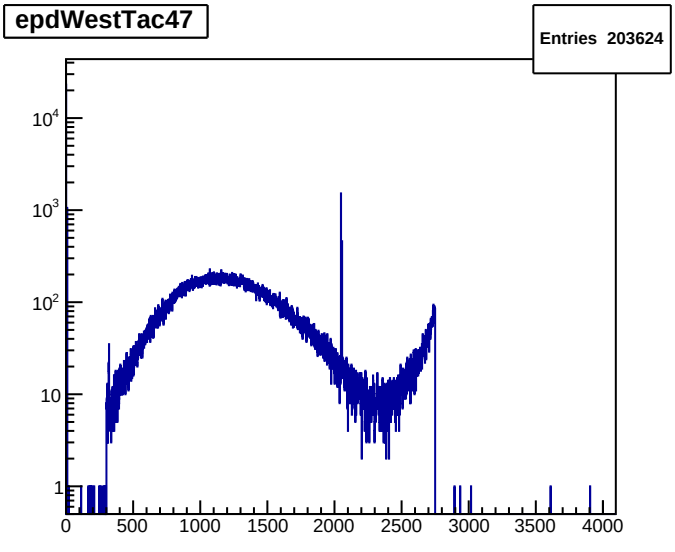
Entries 0
Data
Simu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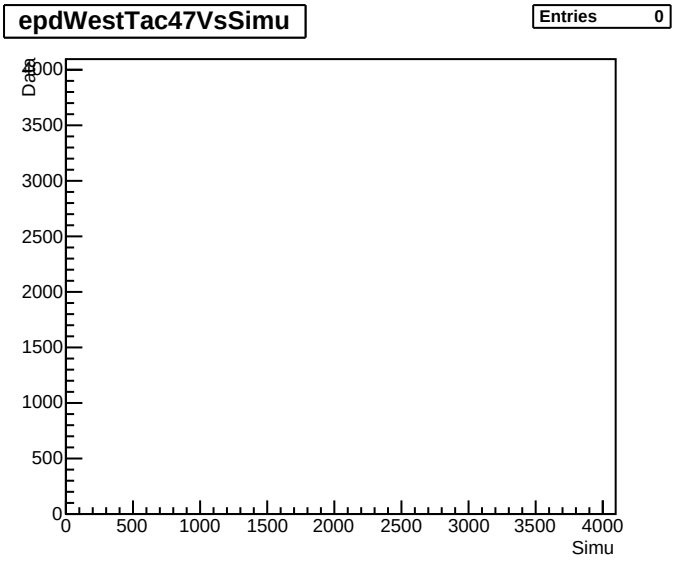
Entries 203624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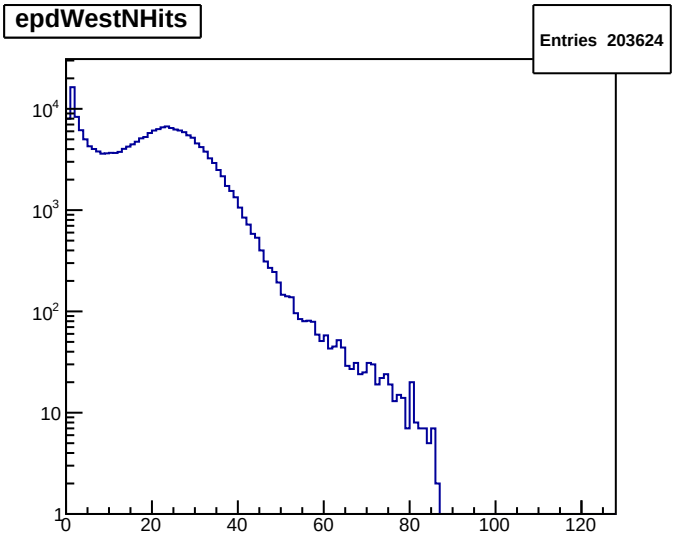
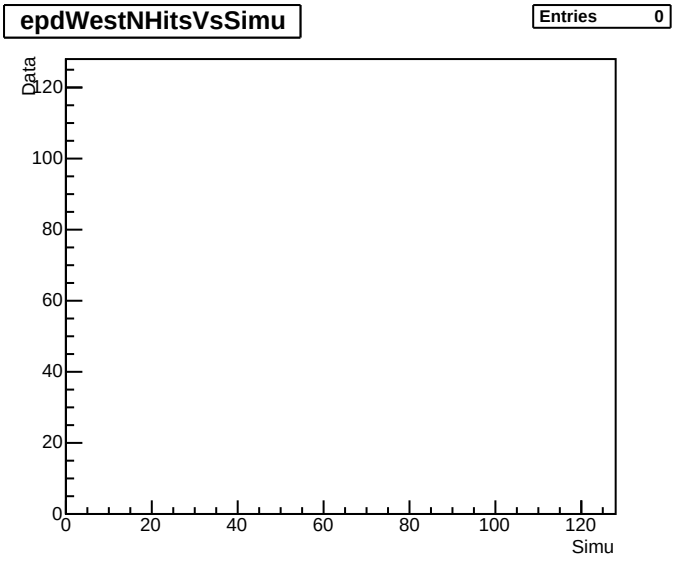
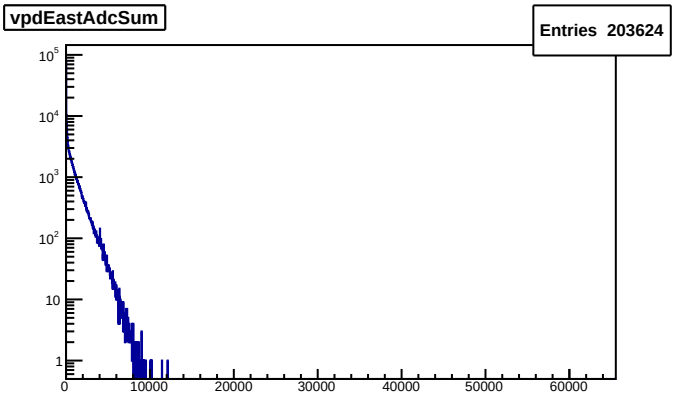
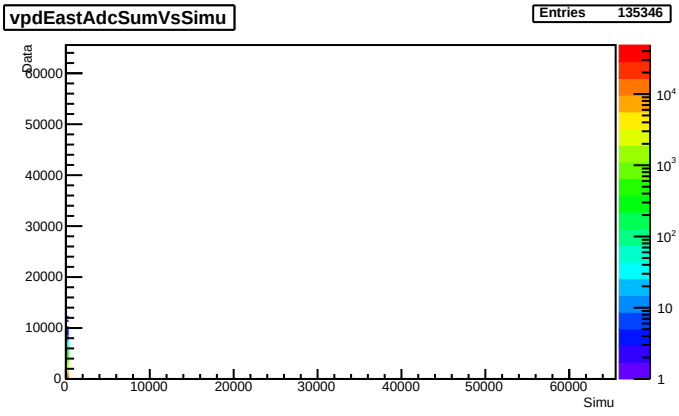
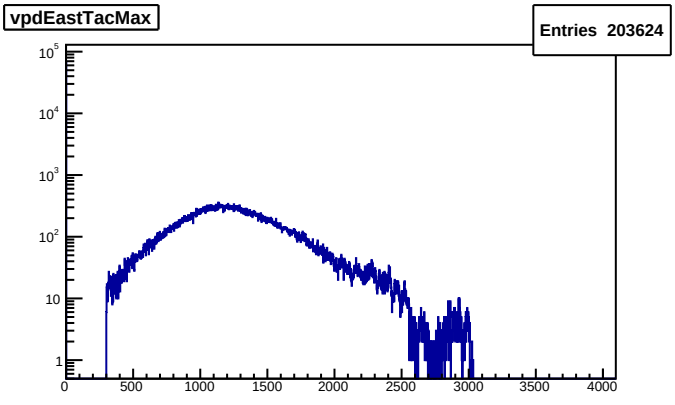
Entries 0
Data
Simu

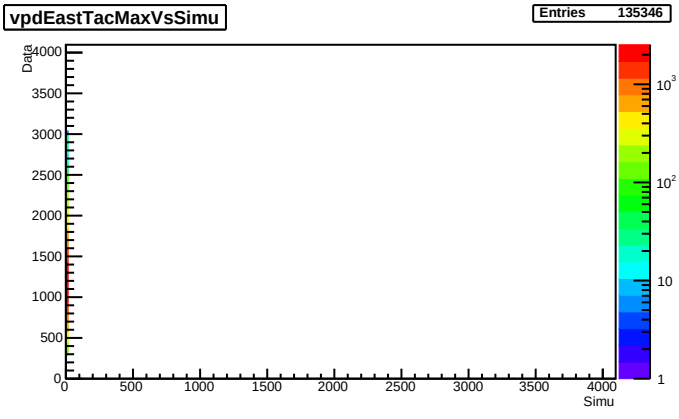

epdWestNHits
Entries 203624

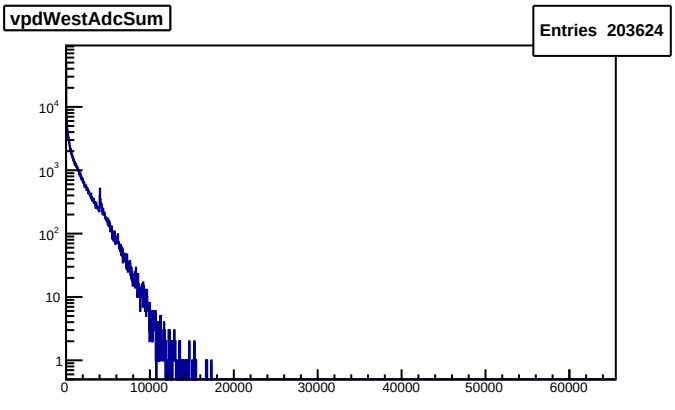

epdWestNHitsVsSimu
Entries 0
Data
Simu

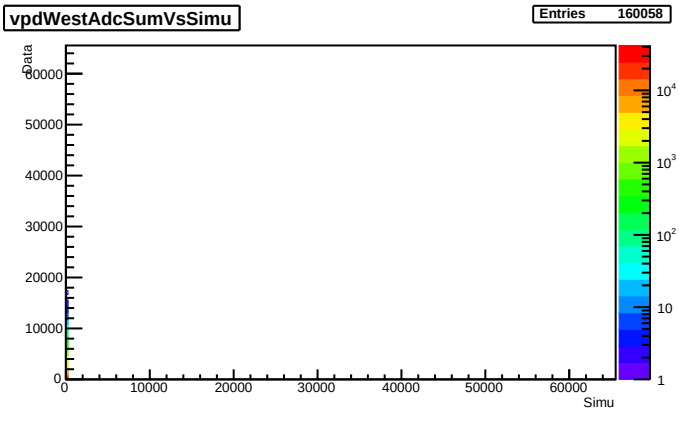

vpdEastAdcSum
Entries 203624

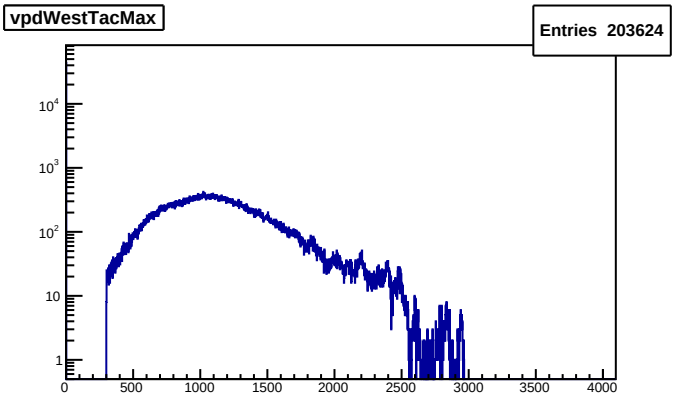

vpdEastAdcSumVsSimu
Entries 135346
Data
Simu

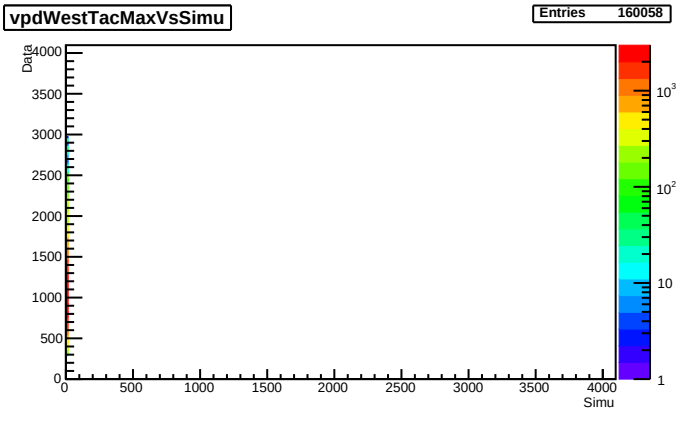

vpdEastTacMax
Entries 203624

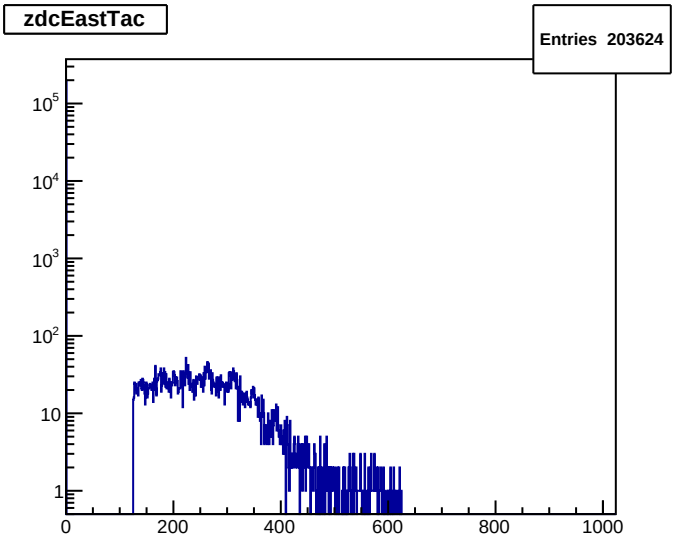

vpdEastTacMaxVsSimu
Entries 135346
Data
Simu

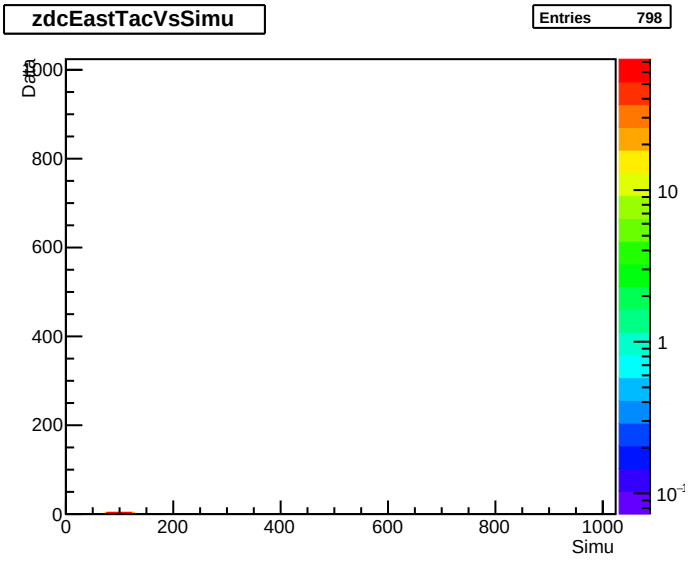

vpdWestAdcSum
Entries 203624

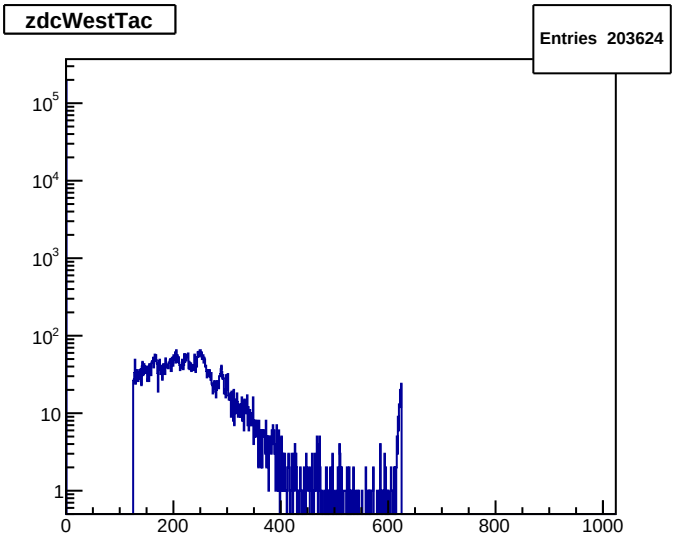

vpdWestAdcSumVsSimu
Entries 160058
Data
Simu

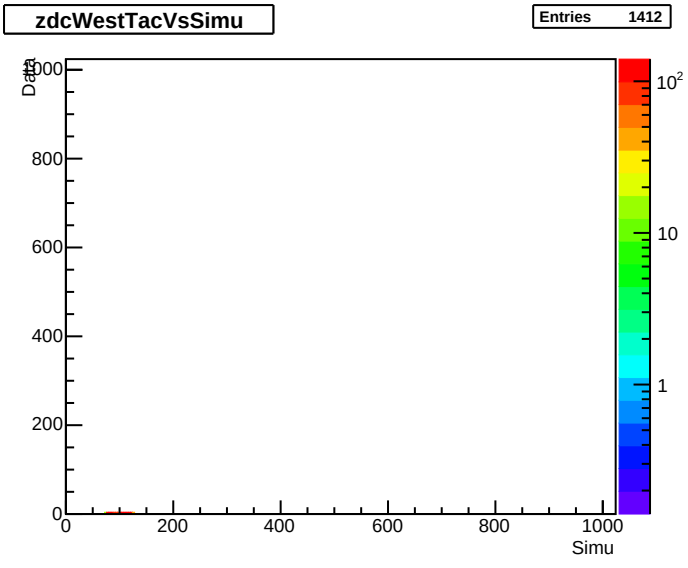

vpdWestTacMax
Entries 203624

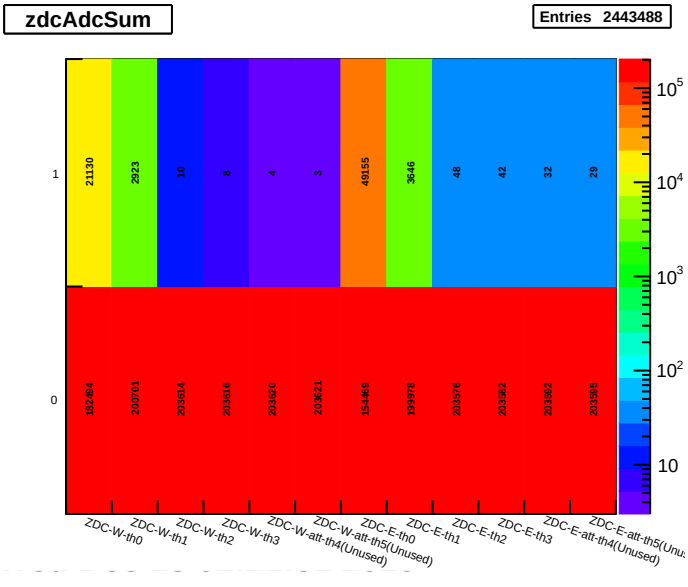

vpdWestTacMaxVsSimu
Entries 160058
Data
Simu

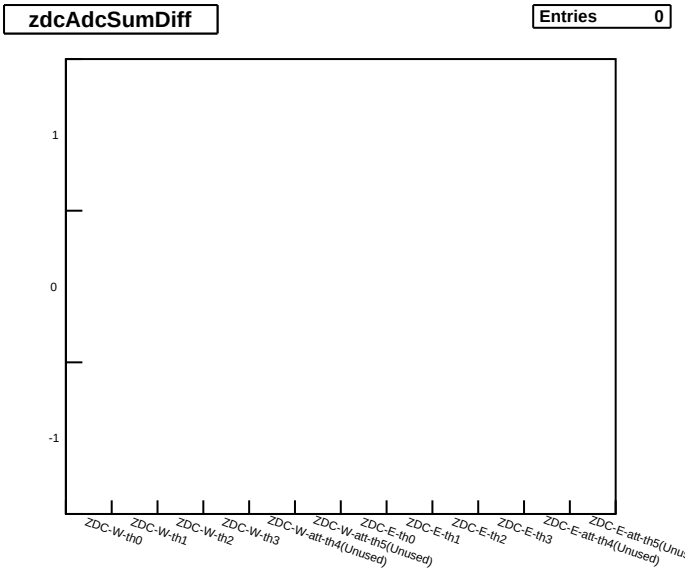

zdcEastTac
Entries 203624

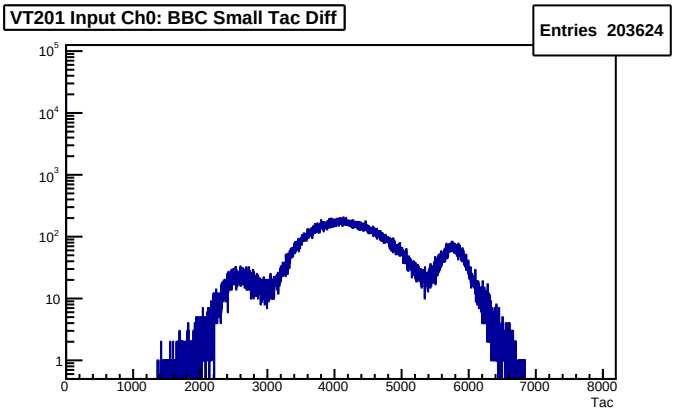

zdcEastTacVsSimu
Entries 798
Data
Simu

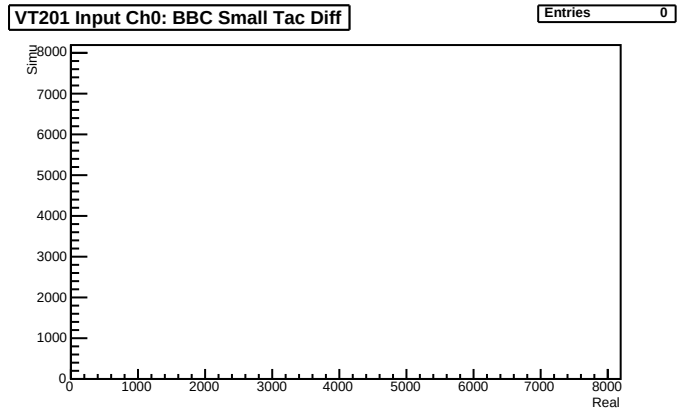

zdcWestTac
Entries 203624

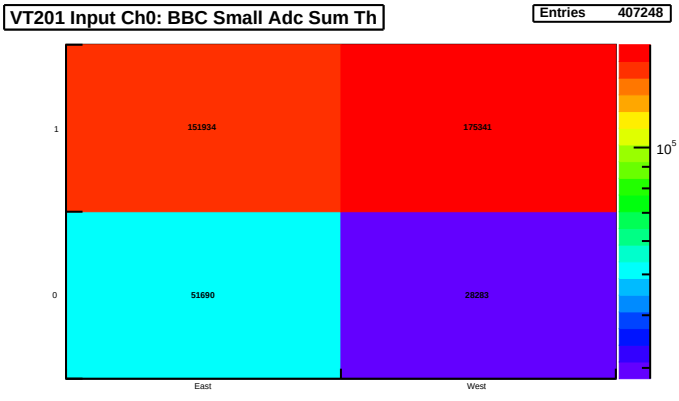

zdcWestTacVsSimu
Entries 1412
Data
Simu

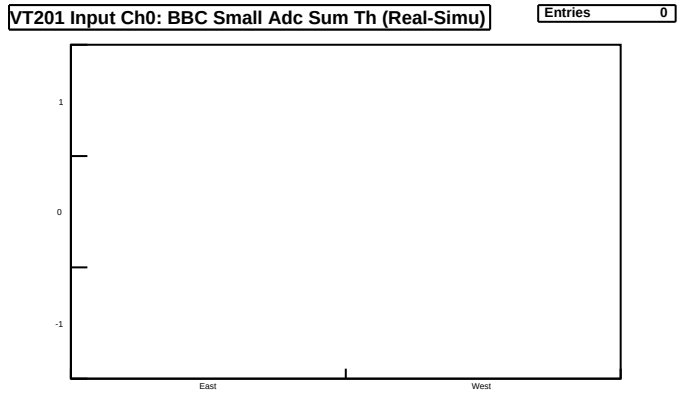

zdcAdcSum
Entries 2443488
21130
2923
10
8
4
3
49155
3646
48
42
32
29
182494
200701
203614
203616
203620
203621
154469
199978
203576
203582
203592
203595
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

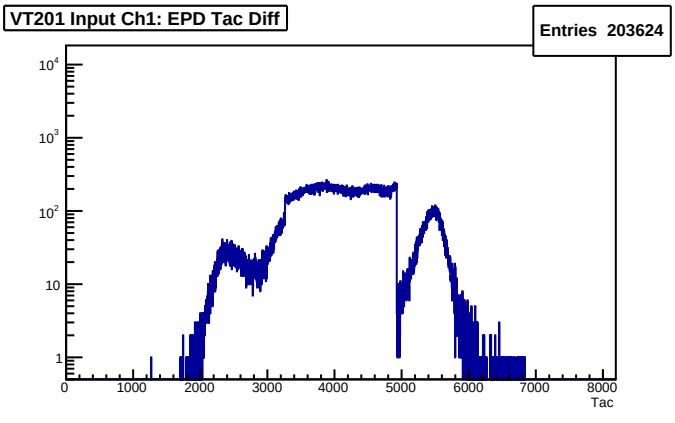

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

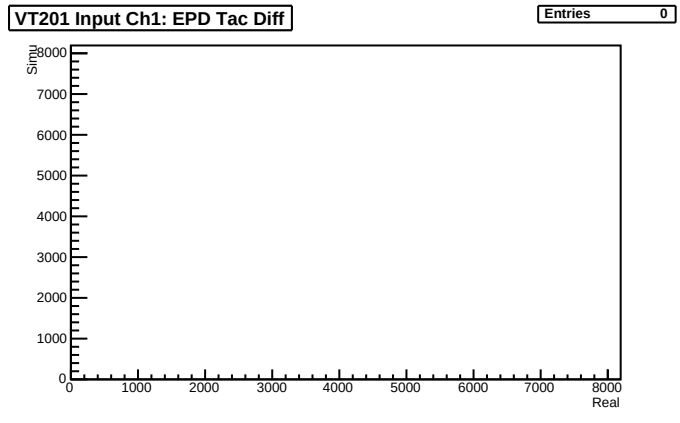

VT201 Input Ch0: BBC Small Tac Diff
Entries 203624
Tac

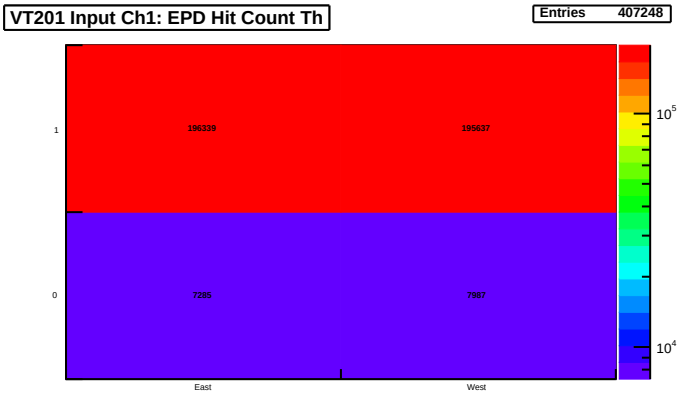

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

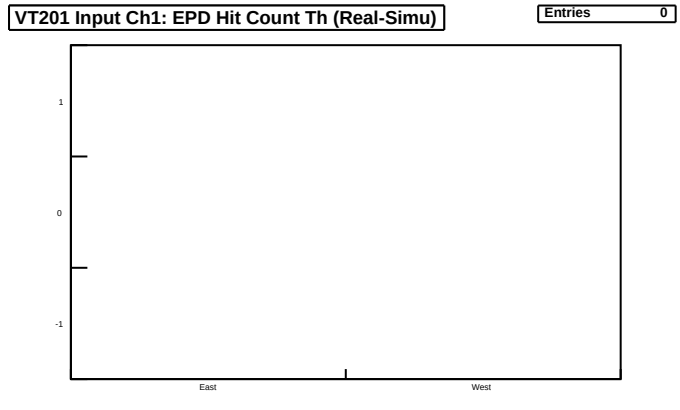

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 407248
151934
175341
51690
28283
East
West

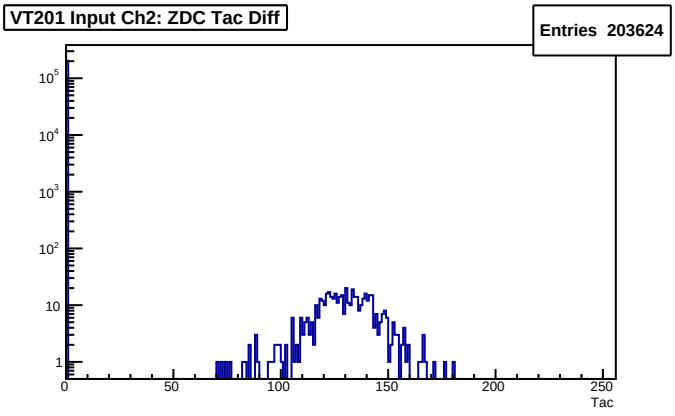

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

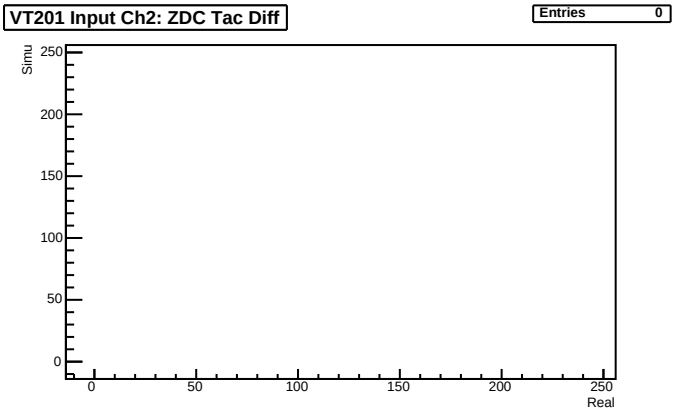

VT201 Input Ch1: EPD Tac Diff
Entries 203624
Tac

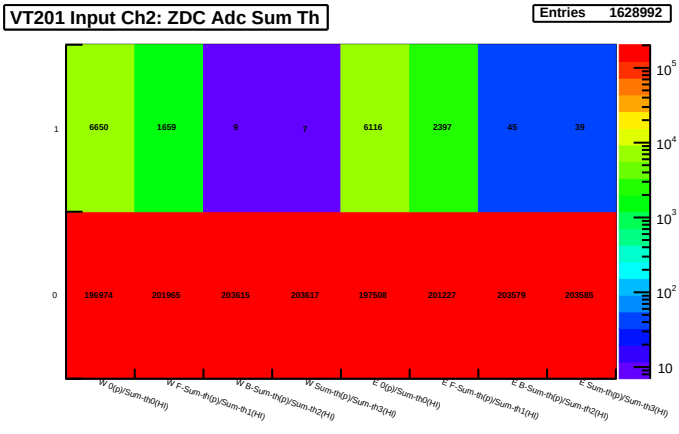

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

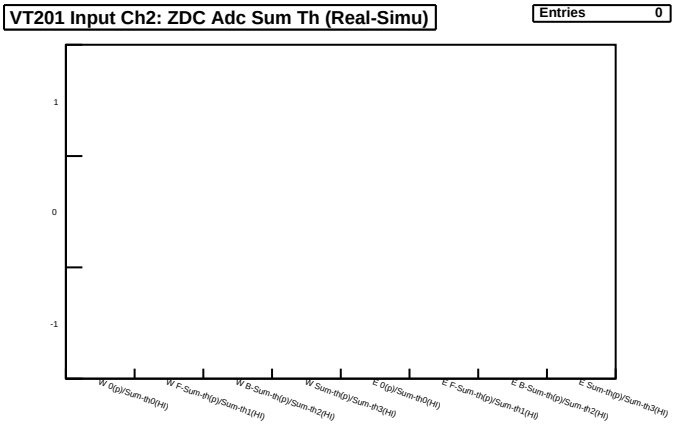

VT201 Input Ch1: EPD Hit Count Th
Entries 407248
196339
195637
7285
7987
East
West

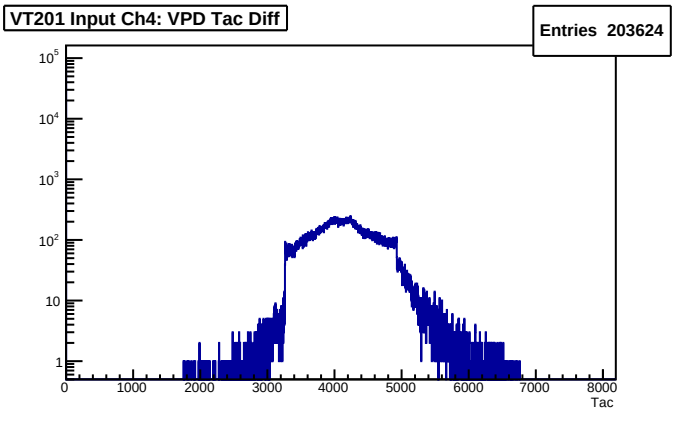

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

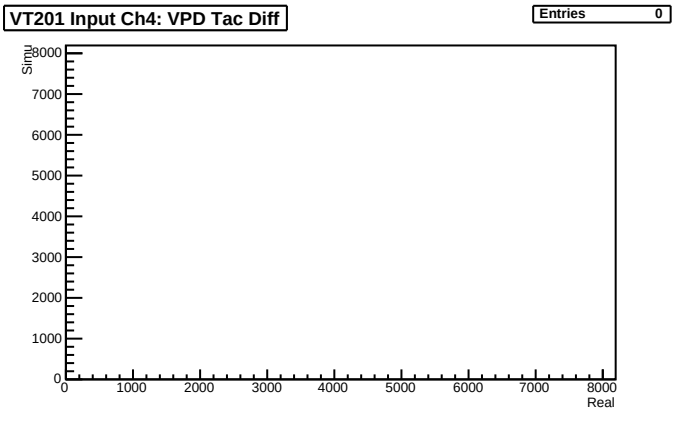

VT201 Input Ch2: ZDC Tac Diff
Entries 203624
Tac

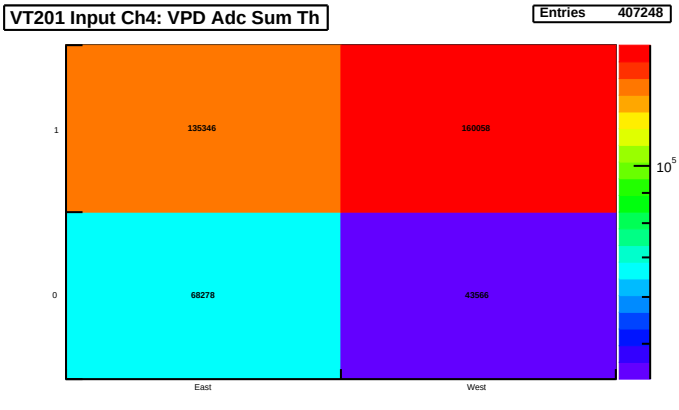

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

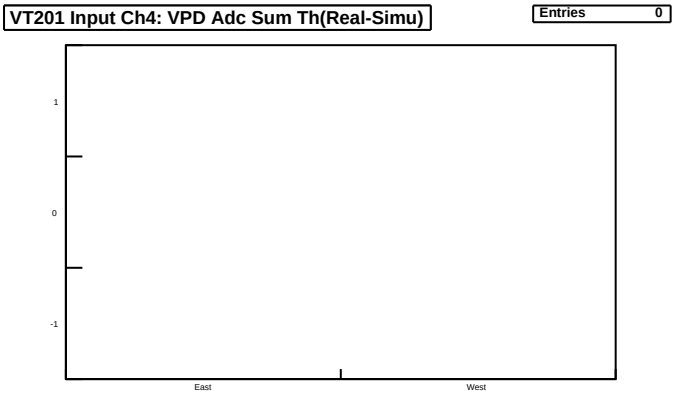

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1628992
6650
1659
9
7
6116
2397
45
39
196974
201965
203615
203617
197508
201227
203579
203585
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

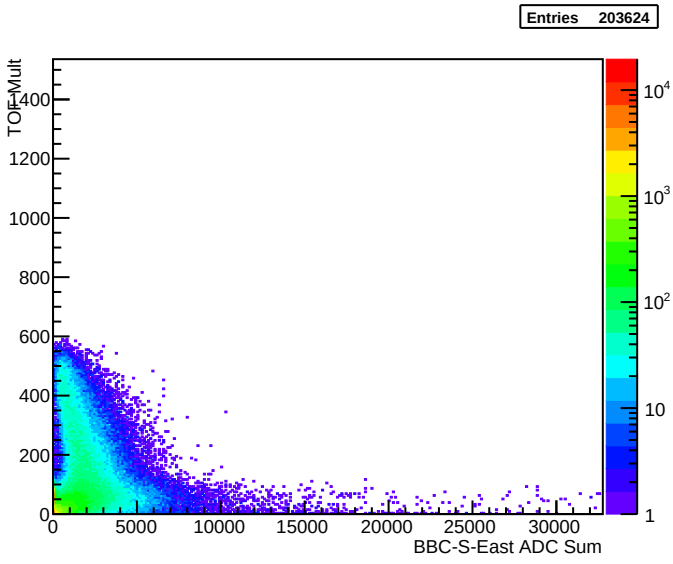

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

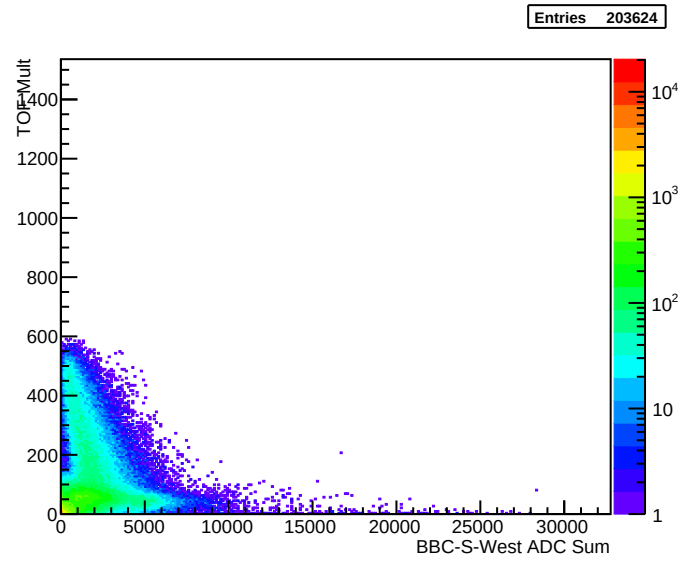

VT201 Input Ch4: VPD Tac Diff
Entries 203624
Tac

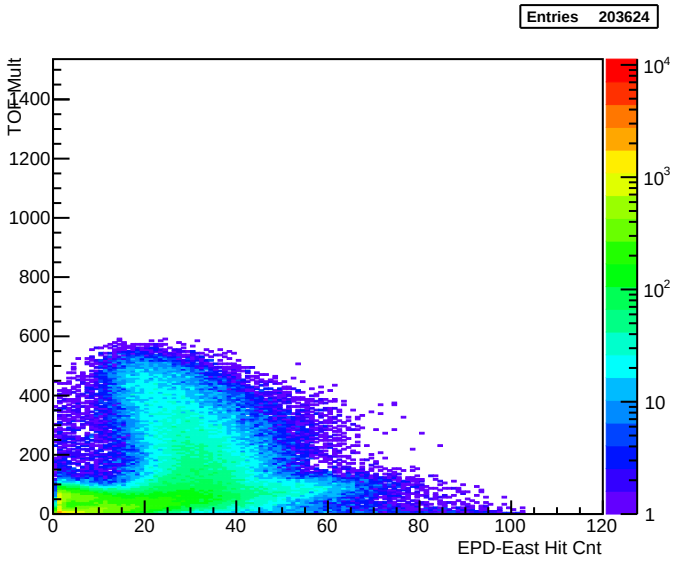

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

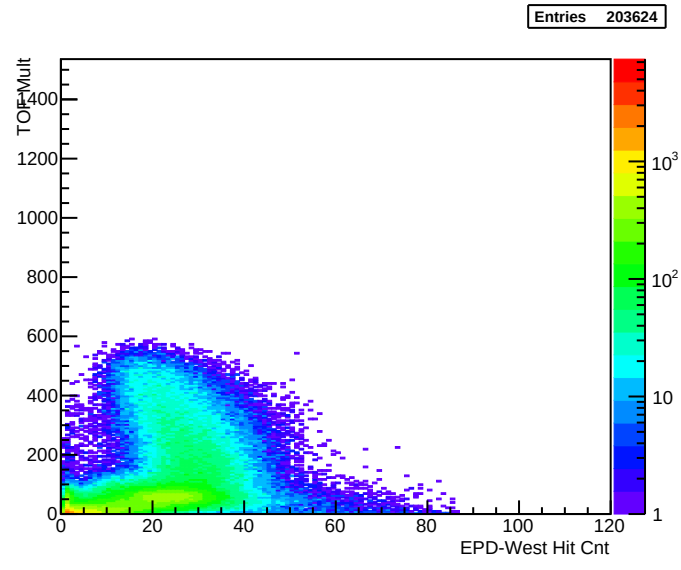

VT201 Input Ch4: VPD Adc Sum Th
Entries 407248
135346
160058
68278
43566
East
West

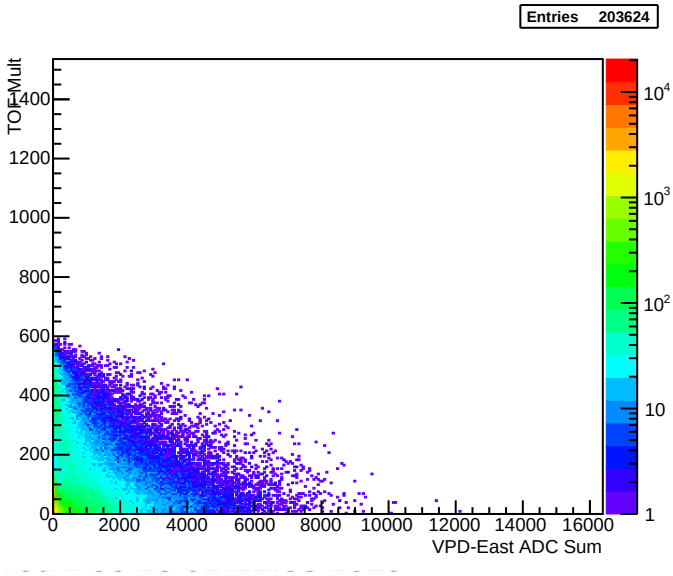

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

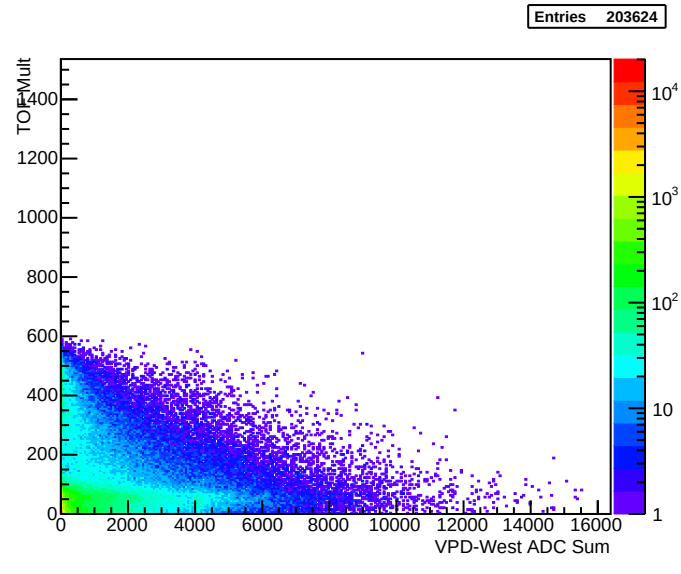

Entries 203624
TOF-Mult
BBC-S-East ADC Sum

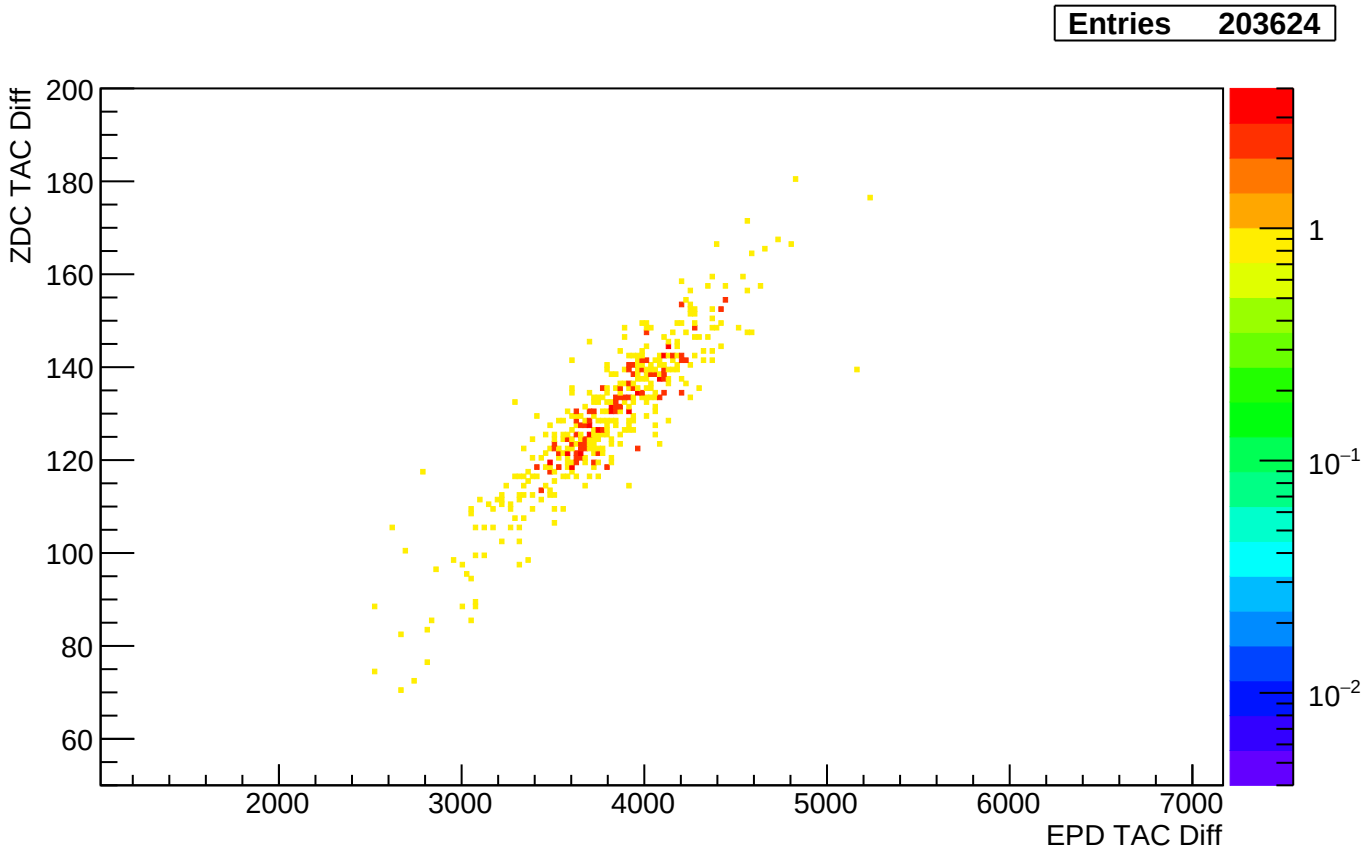

Entries 203624
TOF-Mult
BBC-S-West ADC Sum

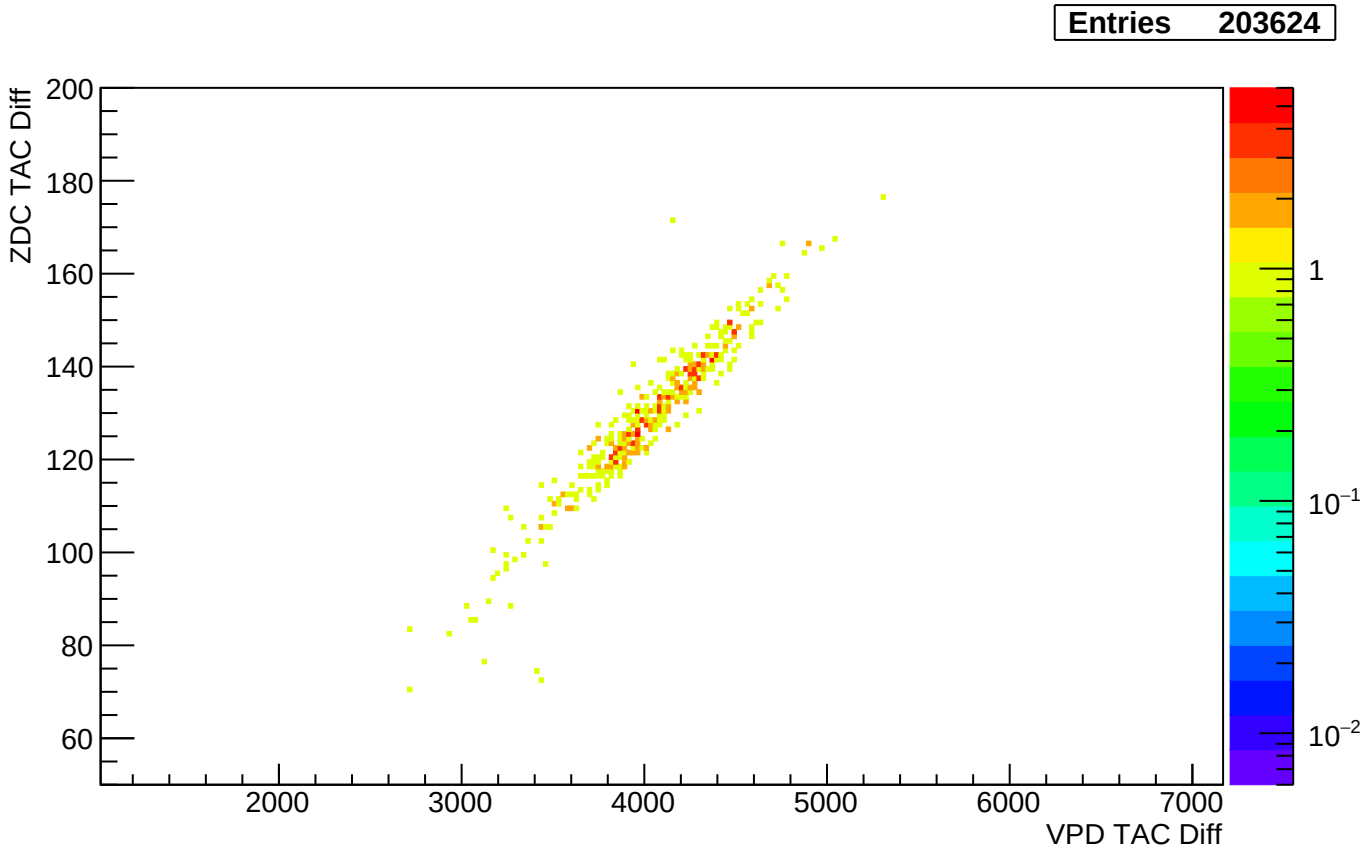

Entries 203624
TOF-Mult
EPD-East Hit Cnt

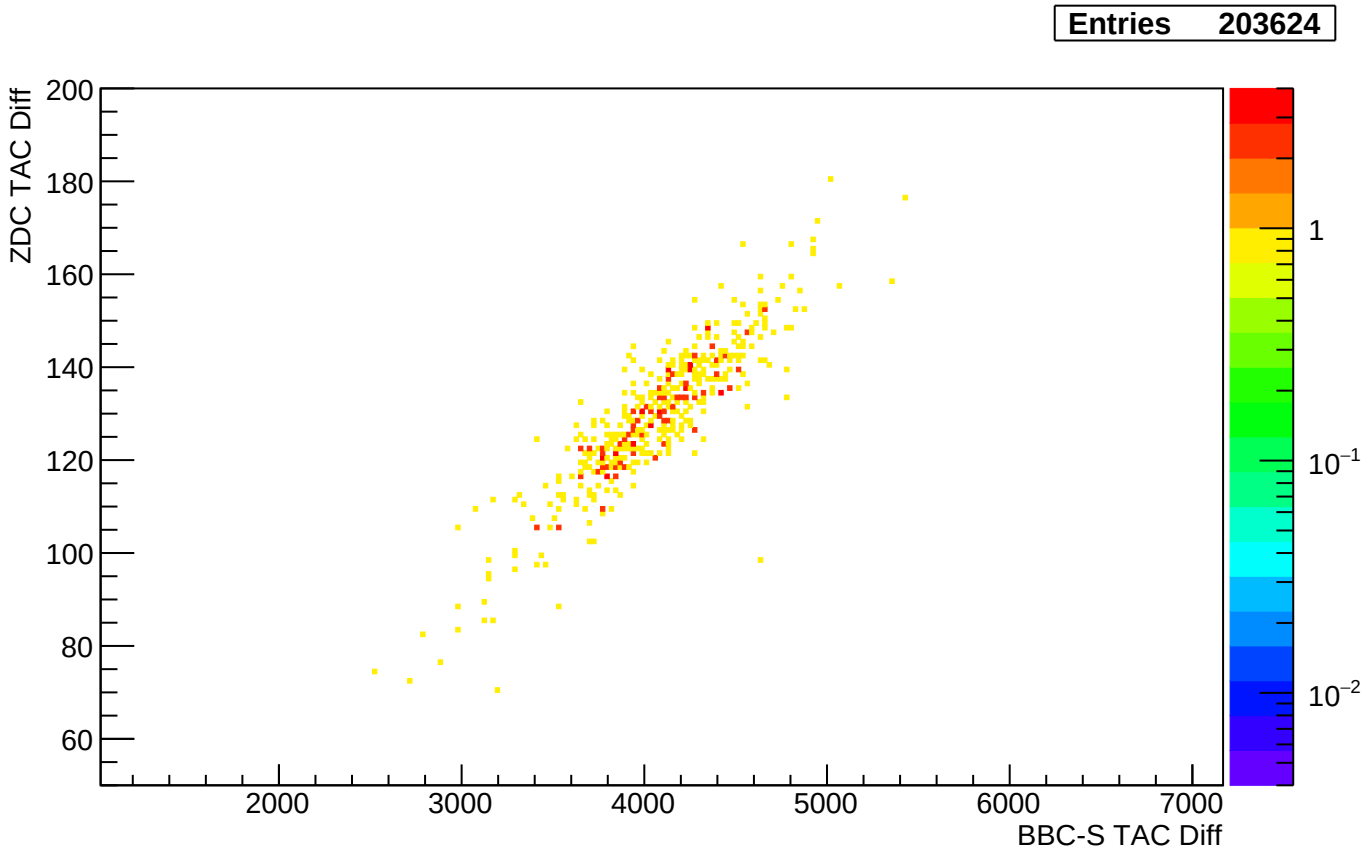

Entries 203624
TOF-Mult
EPD-West Hit Cnt

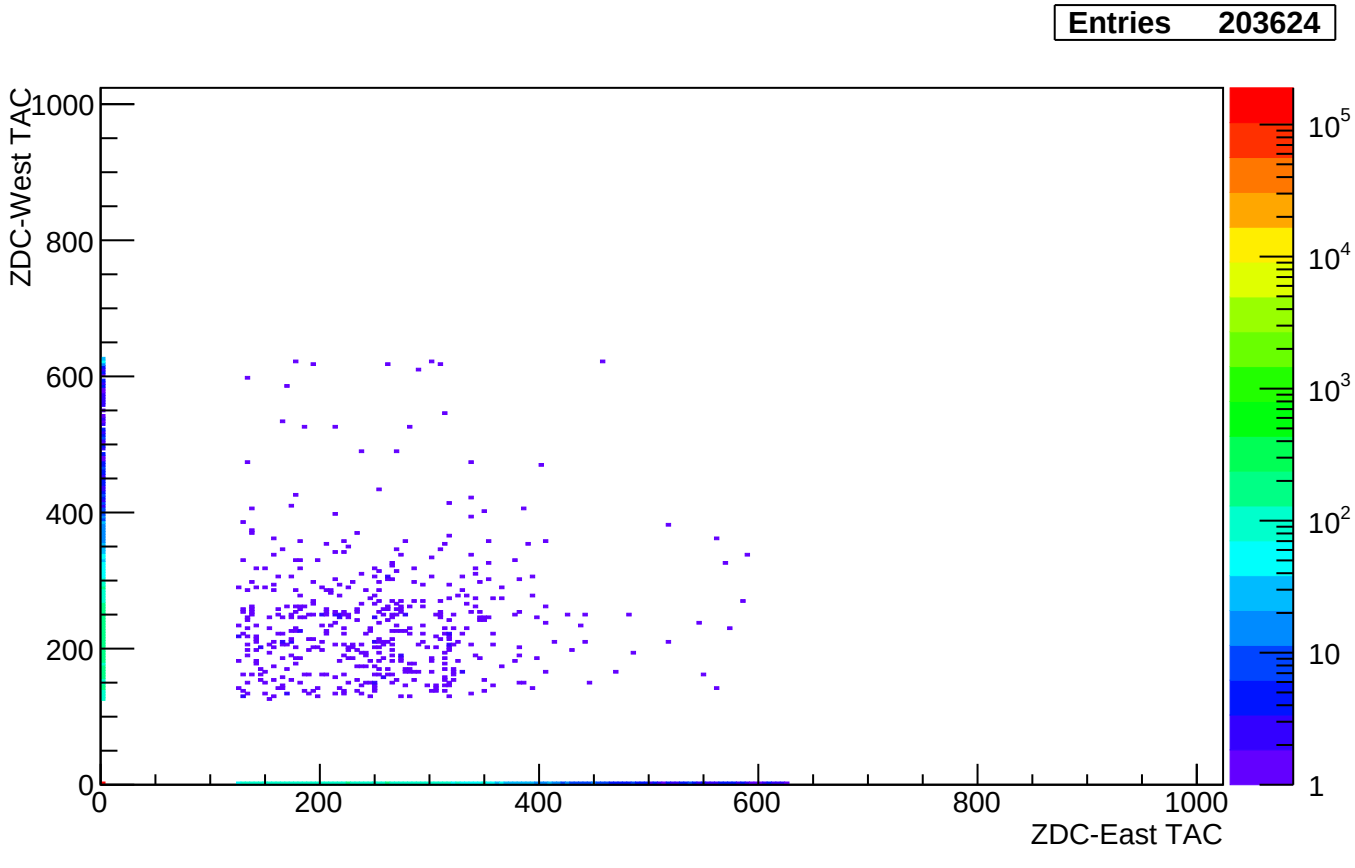

Entries 203624
TOF-Mult
VPD-East ADC Sum

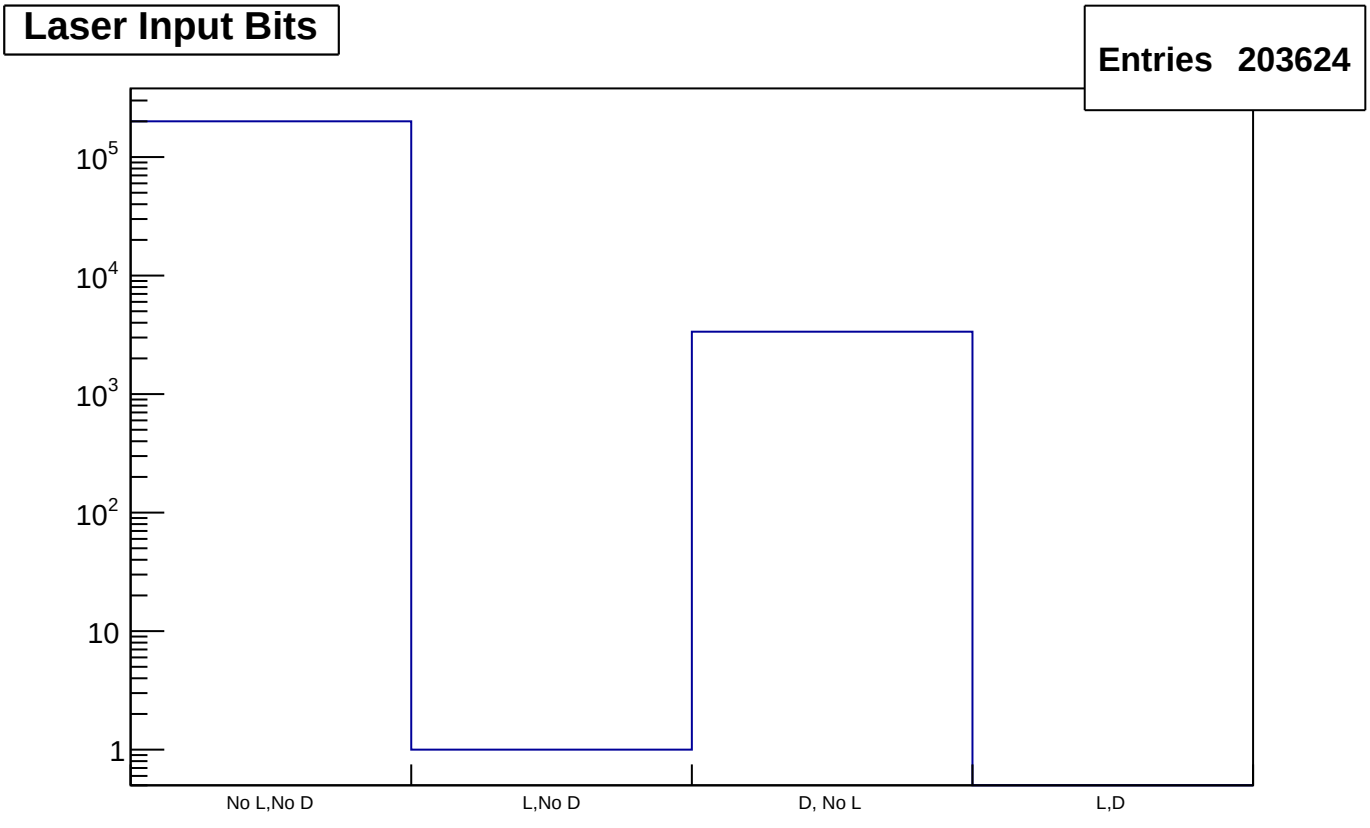

Entries 203624
TOF-Mult
VPD-West ADC Sum

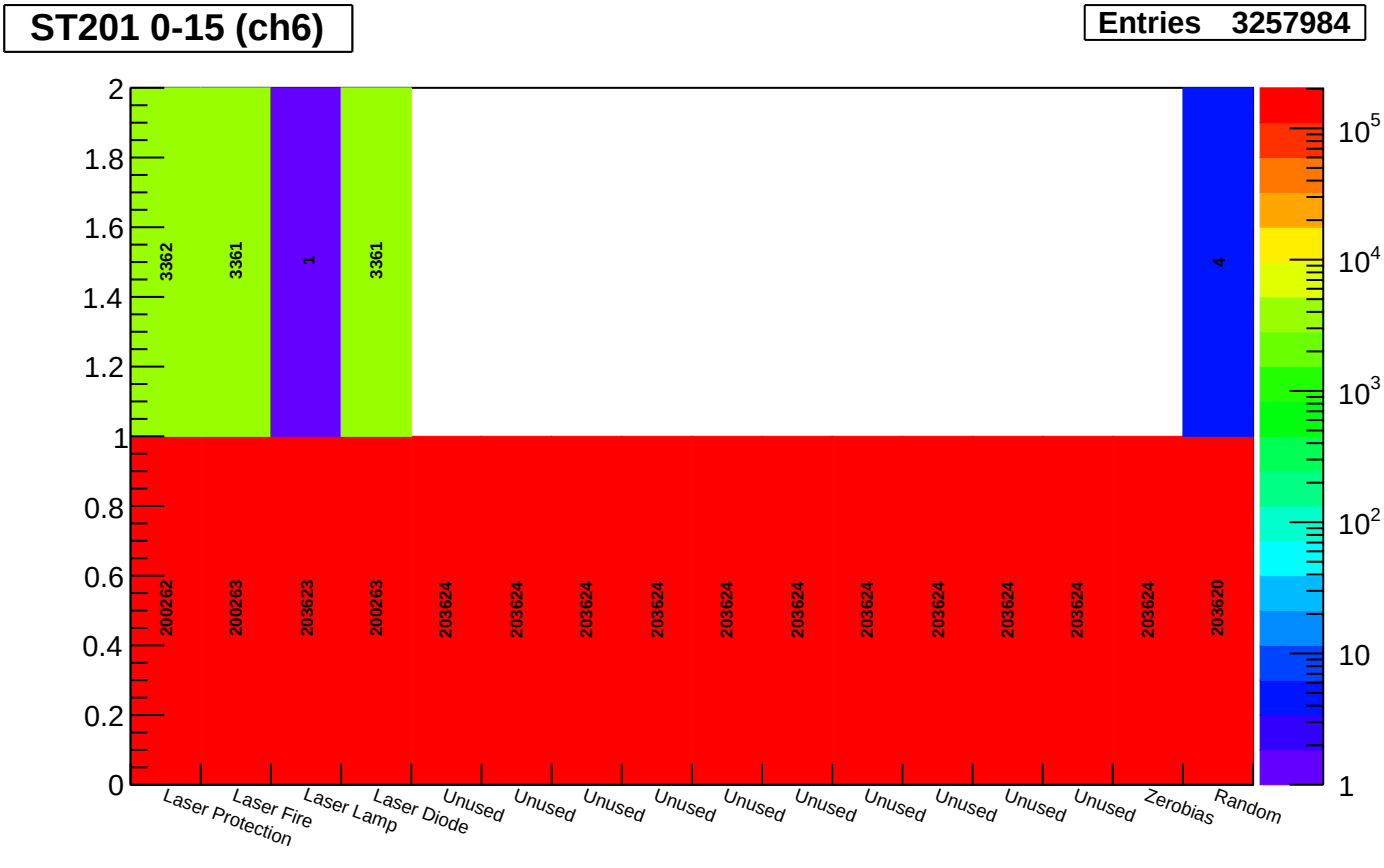

Entries 203624
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

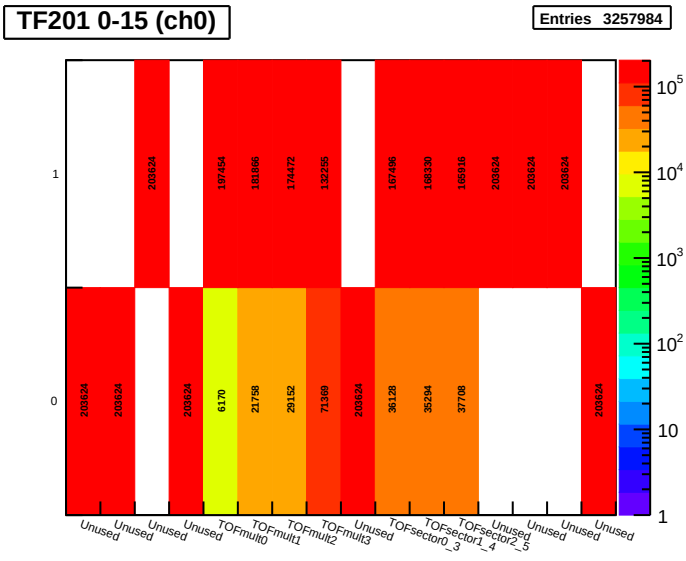

Entries 203624
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

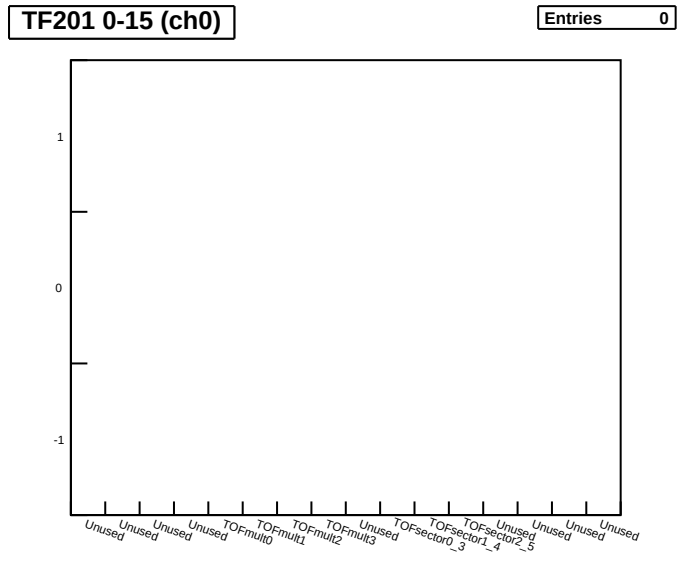

Entries 203624
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

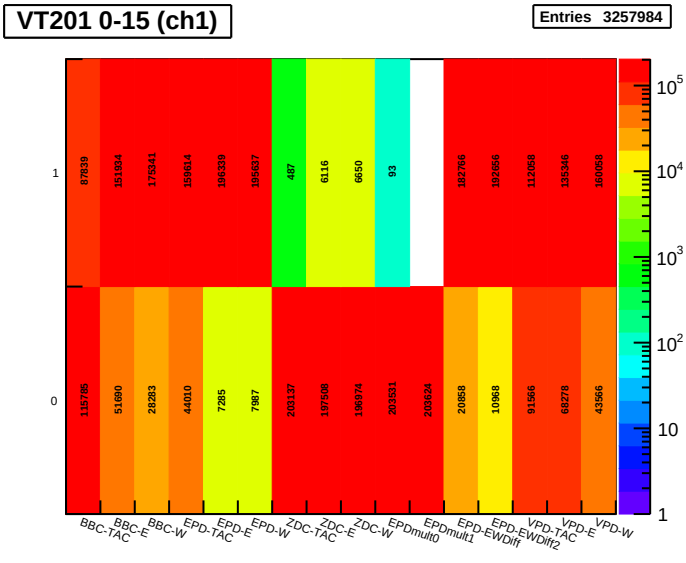

Entries 203624
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

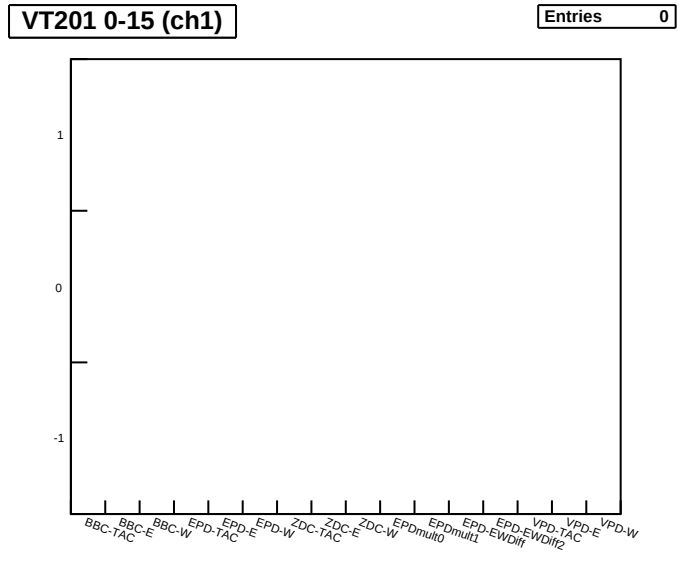

Laser Input Bits
Entries 203624
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

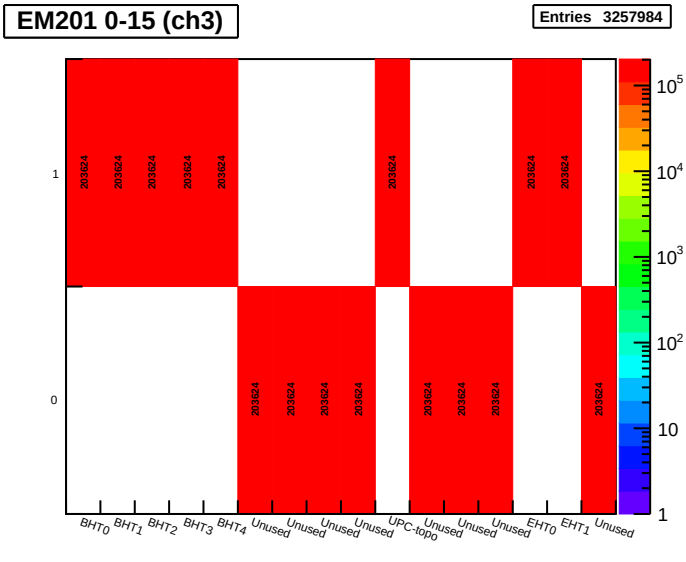

ST201 0-15 (ch6)
Entries 3257984
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3362
3361
1
3361
4
200262
200263
203623
200263
203624
203624
203624
203624
203624
203624
203624
203624
203624
203624
203624
203620
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

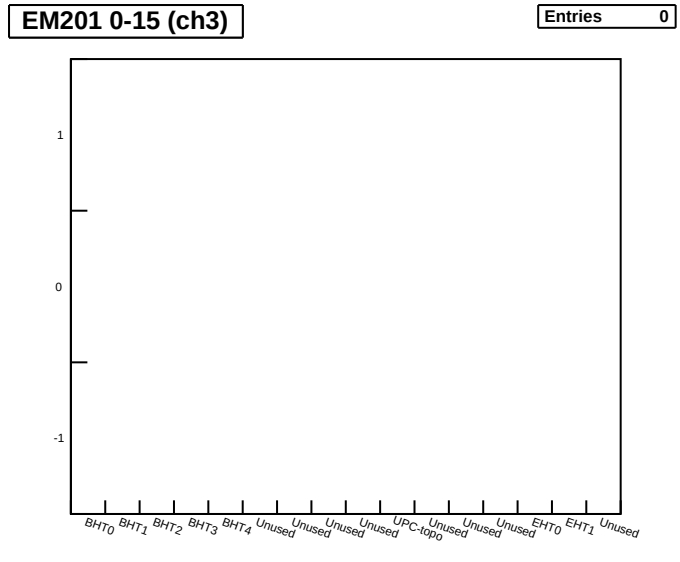

TF201 0-15 (ch0)
Entries 3257984
1
0
203624 203624 203624 203624 197454 181866 174472 132255 167496 168330 165916 203624 203624 203624
203624 203624 203624 6170 21758 29152 71369 203624 36128 35294 37708 203624
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 3257984
1
0
87839 151934 175341 159614 196339 195637 487 6116 6650 93 182766 192656 112058 135346 160058
115785 51690 28283 44010 7285 7987 203137 197508 196974 203531 203624 20658 10968 91566 68278 43566
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^5 10^4 10^3 10^2 10 1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 3257984
1
0
203624 203624 203624 203624 203624 203624 203624 203624 203624
203624 203624 203624 203624 203624 203624 203624 203624
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 10^3 10^2 10 1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused