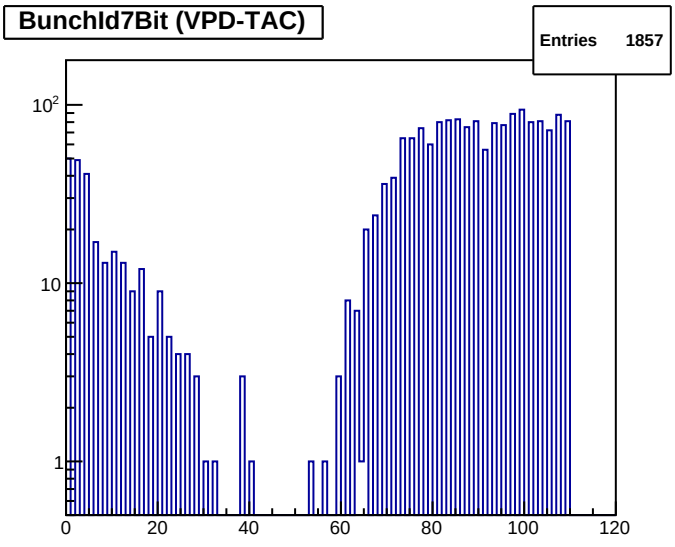
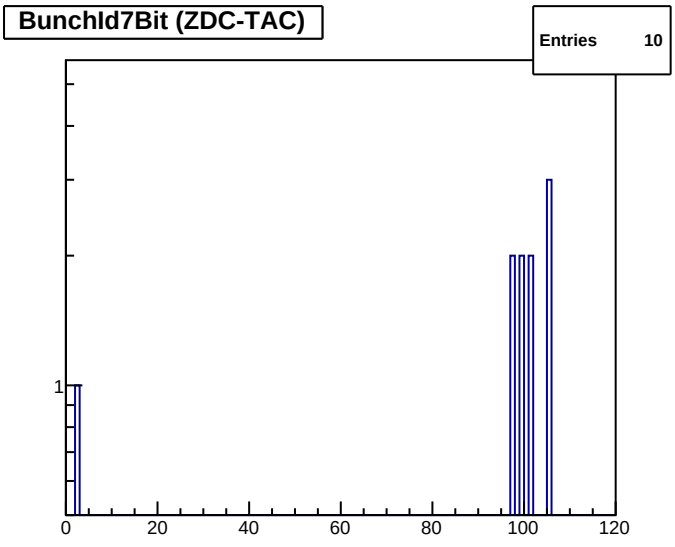
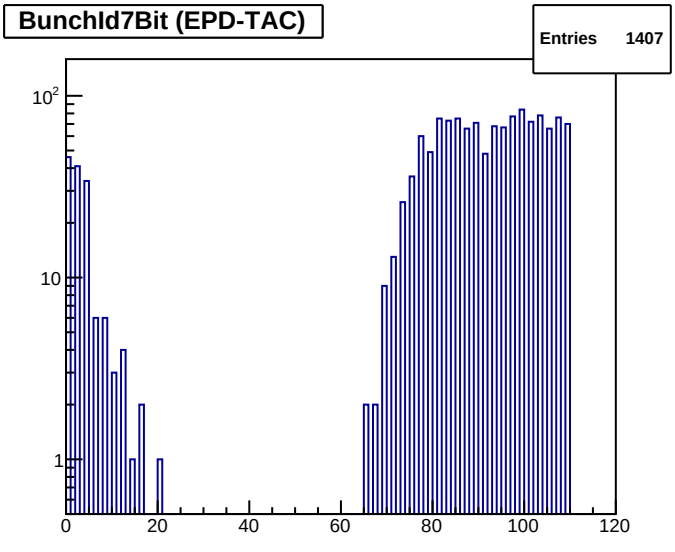
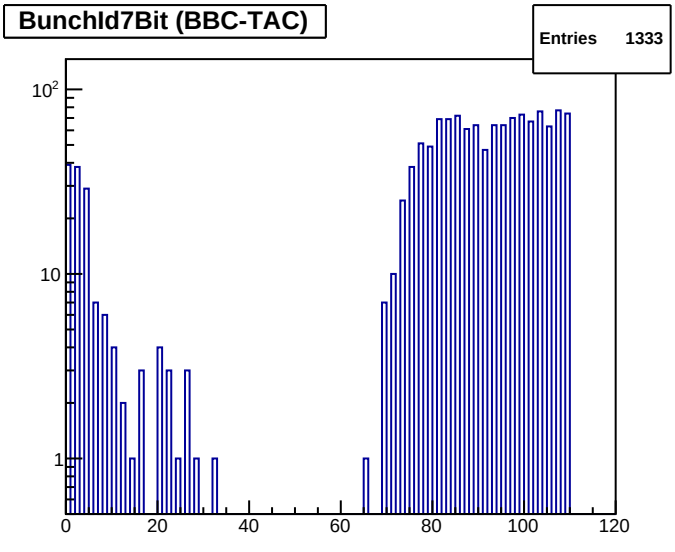
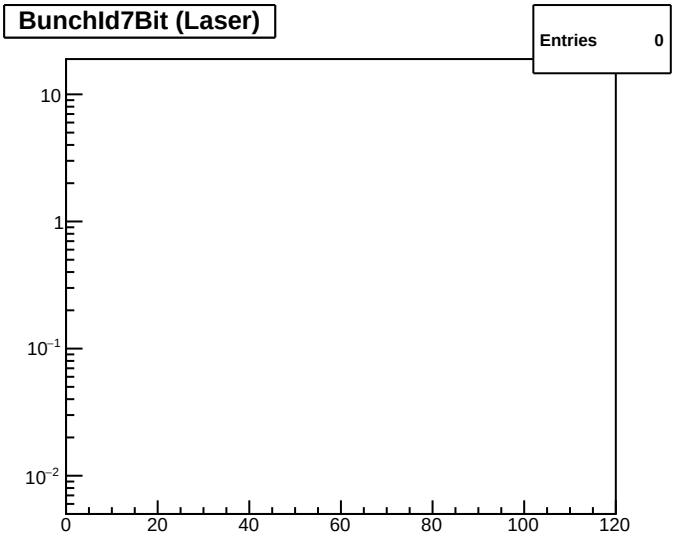
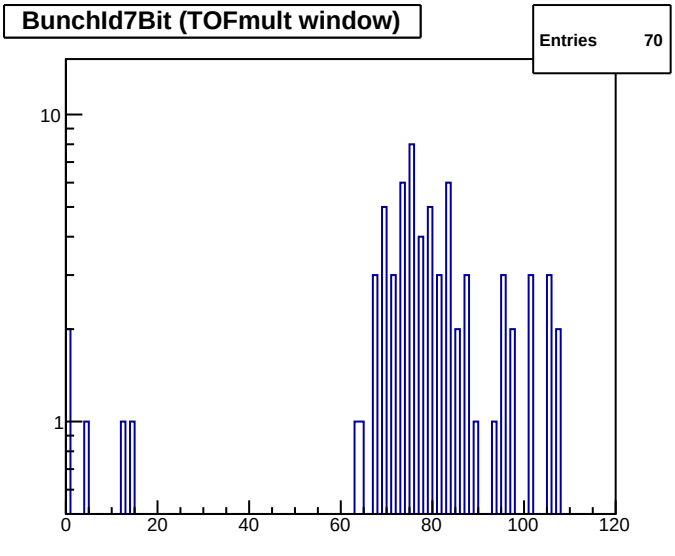

BunchId7Bit (VPD-TAC)
Entries 1857
10^2
10
1
0
20
40
60
80
100
120

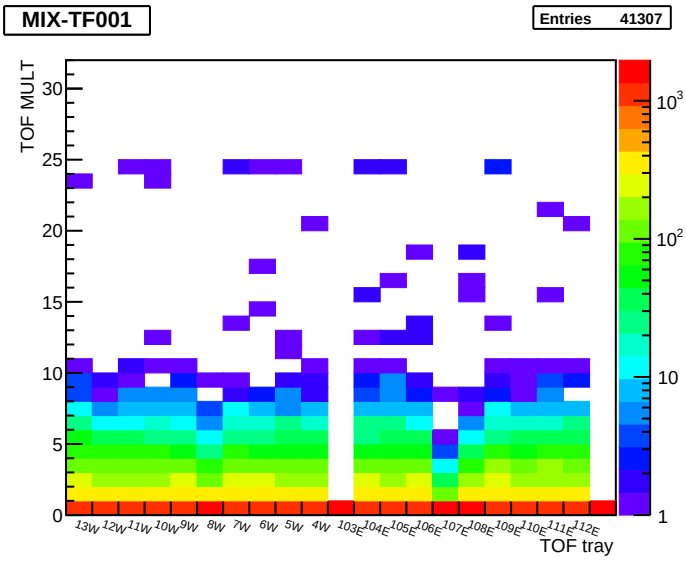

BunchId7Bit (ZDC-TAC)
Entries 10
1
0
20
40
60
80
100
120

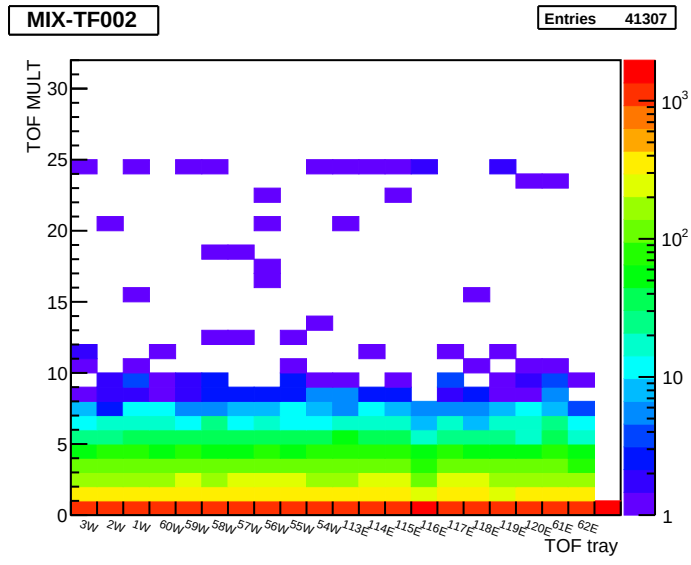

BunchId7Bit (EPD-TAC)
Entries 1407
10^2
10
1
0
20
40
60
80
100
120

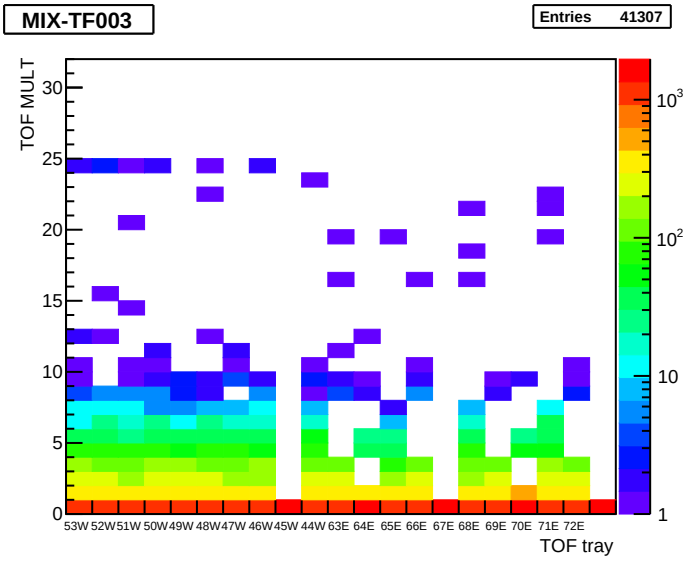

BunchId7Bit (BBC-TAC)
Entries 1333
10^2
10
1
0
20
40
60
80
100
120

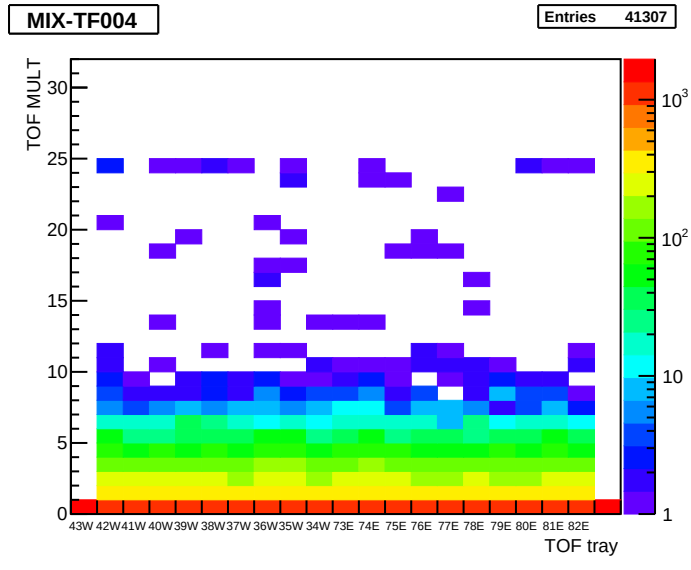

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

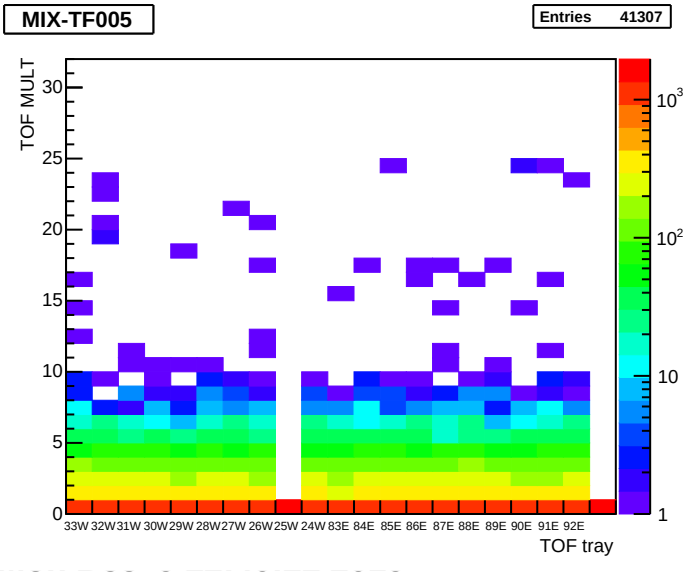

BunchId7Bit (TOFmult window)
Entries 70
10
1
0
20
40
60
80
100
120

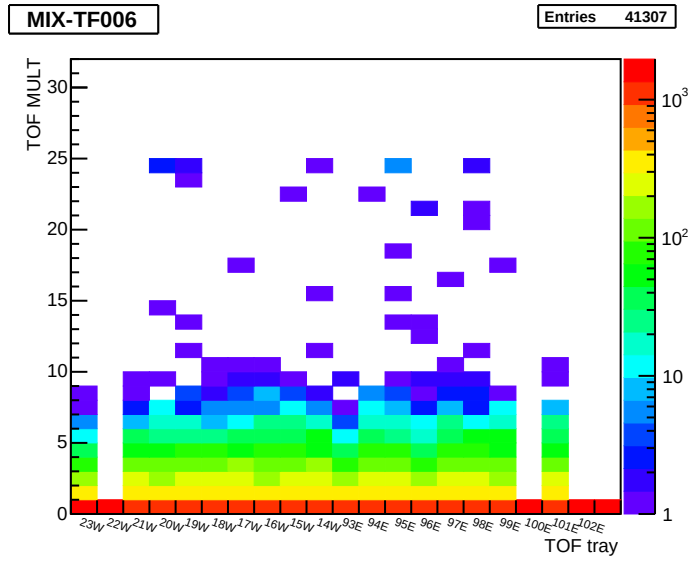

MIX-TF001
Entries 41307
TOF MULT
TOF tray

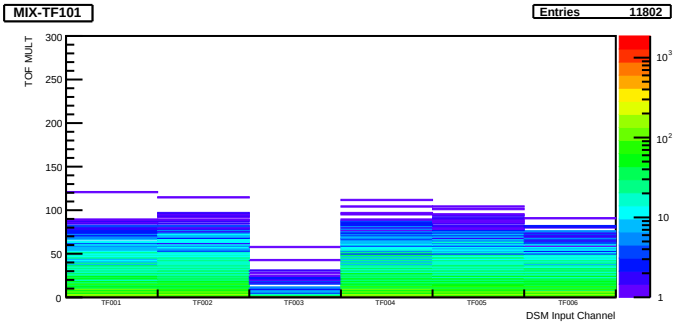

MIX-TF002
Entries 41307
TOF MULT
TOF tray

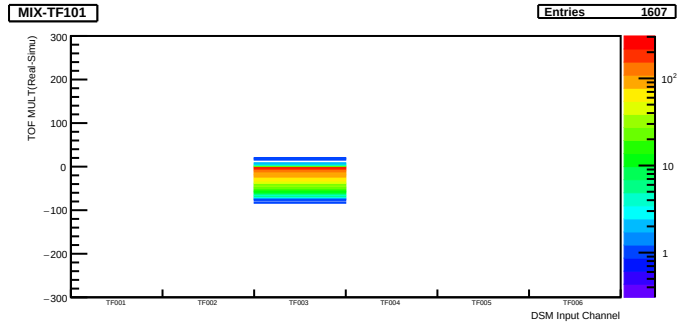

MIX-TF003
Entries 41307
TOF MULT
TOF tray

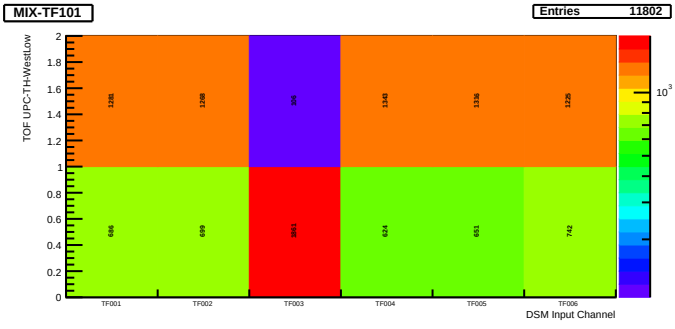

MIX-TF004
Entries 41307
TOF MULT
TOF tray

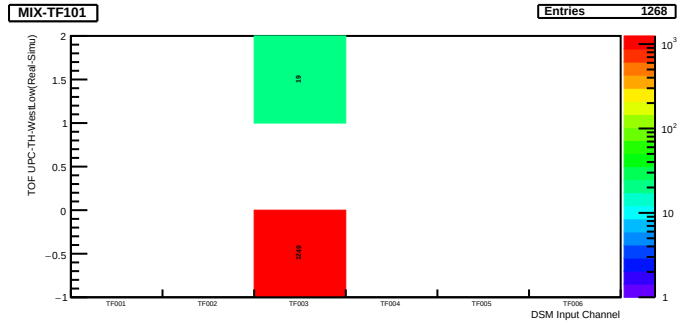

MIX-TF005
Entries 41307
TOF MULT
TOF tray

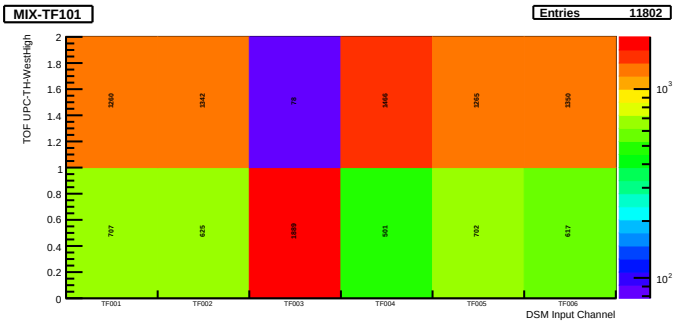

MIX-TF006
Entries 41307
TOF MULT
TOF tray

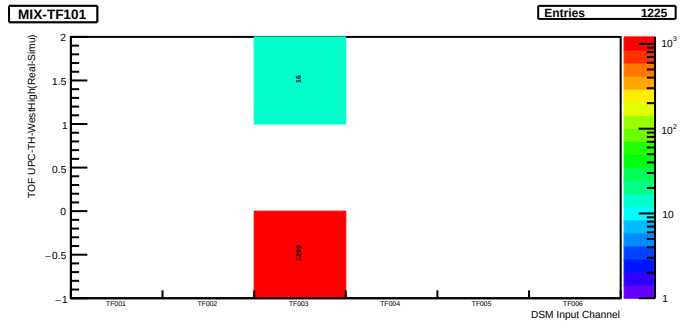

MIX-TF101
Entries 11802
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

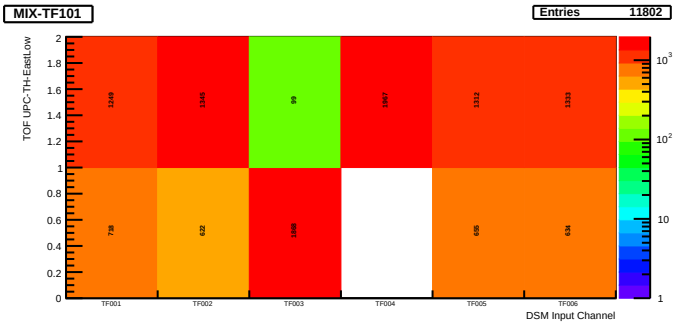

MIX-TF101
Entries 1607
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

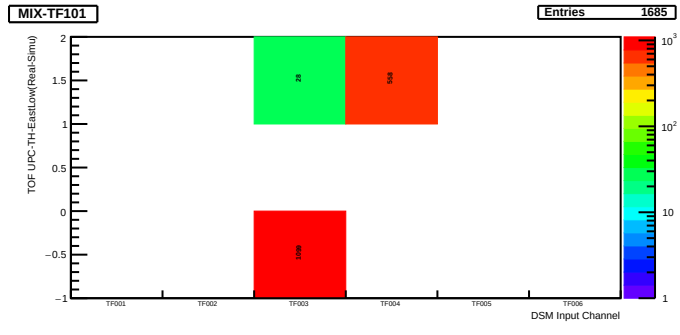

MIX-TF101
Entries 11802
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

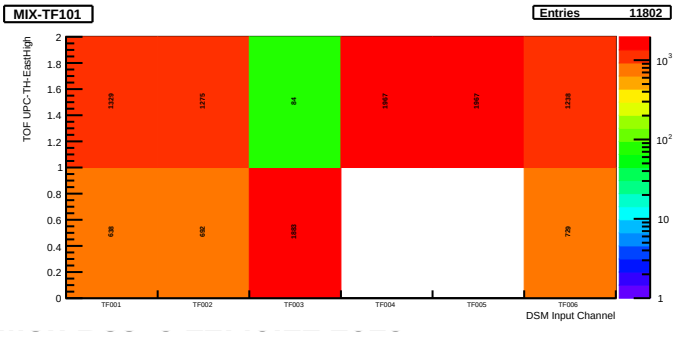

MIX-TF101
Entries 1268
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

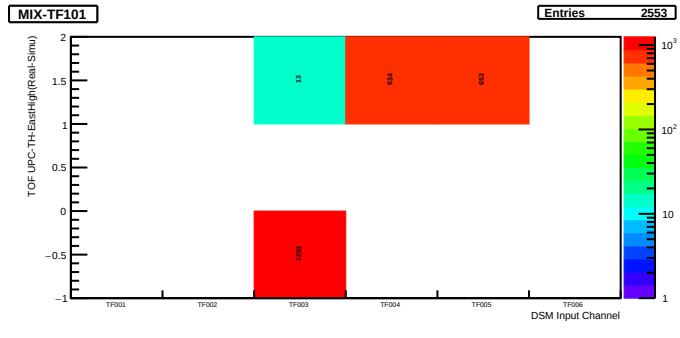

MIX-TF101
Entries 11802
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

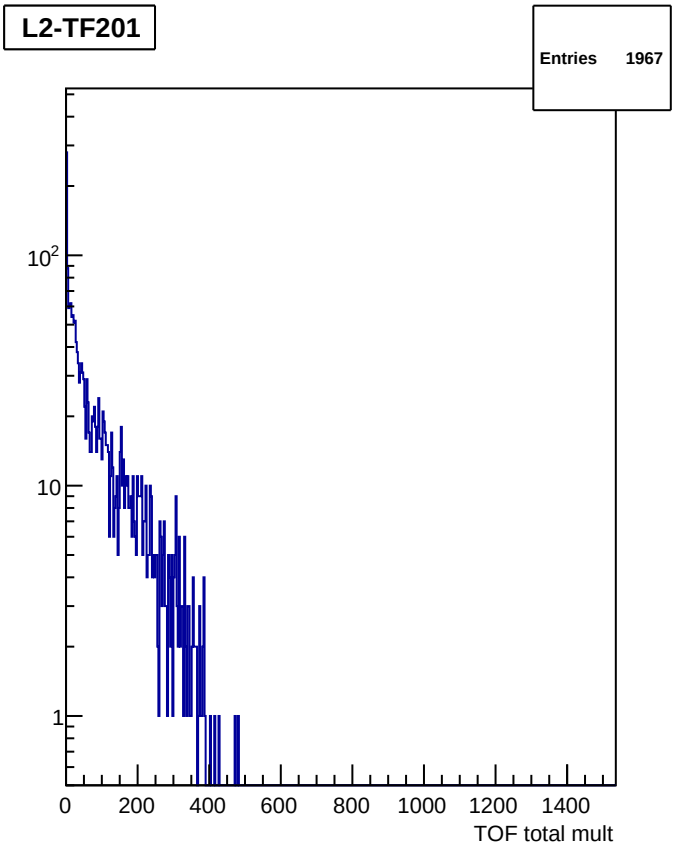

MIX-TF101
Entries 1225
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

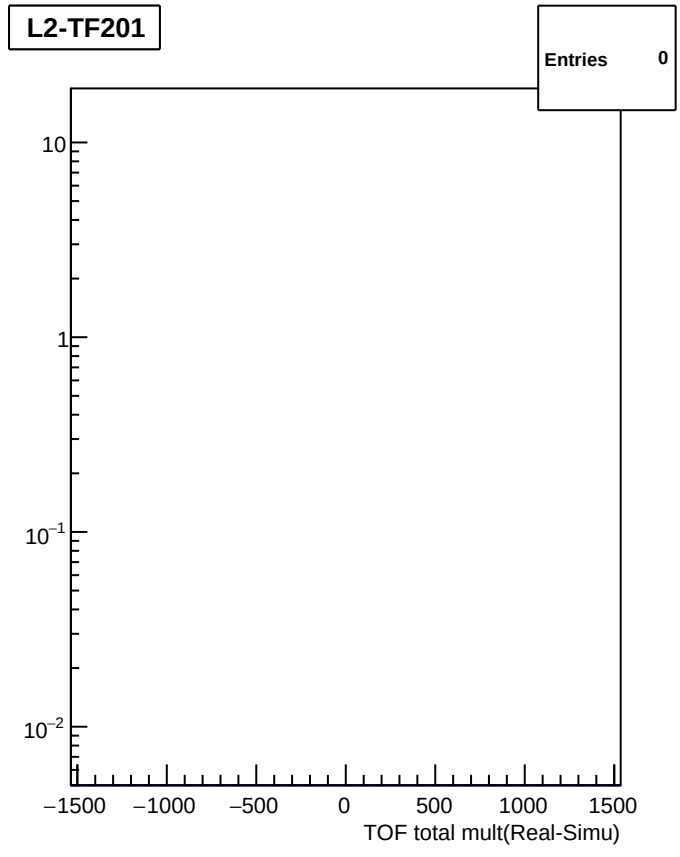

MIX-TF101
Entries 11802
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

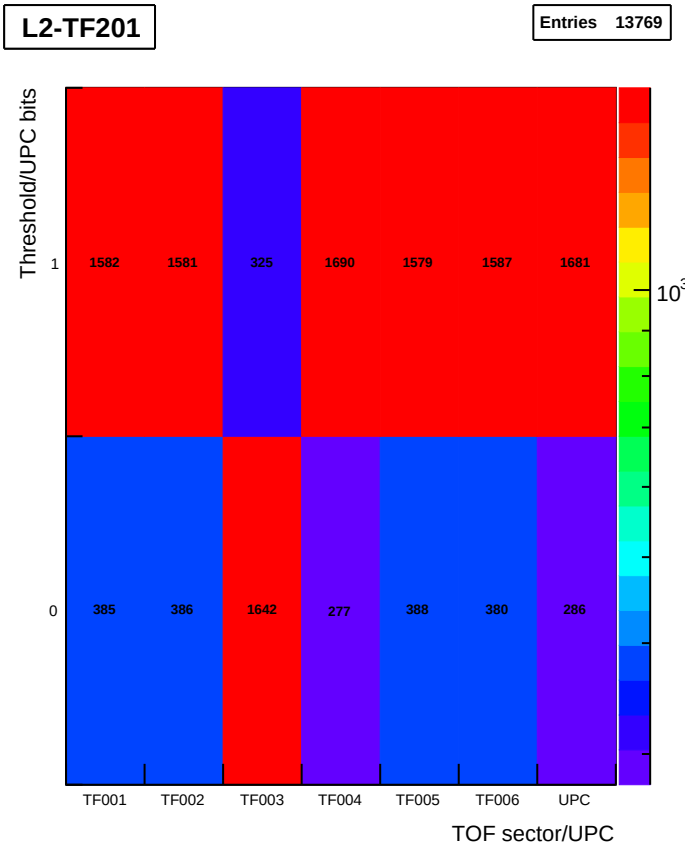

MIX-TF101
Entries 1685
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

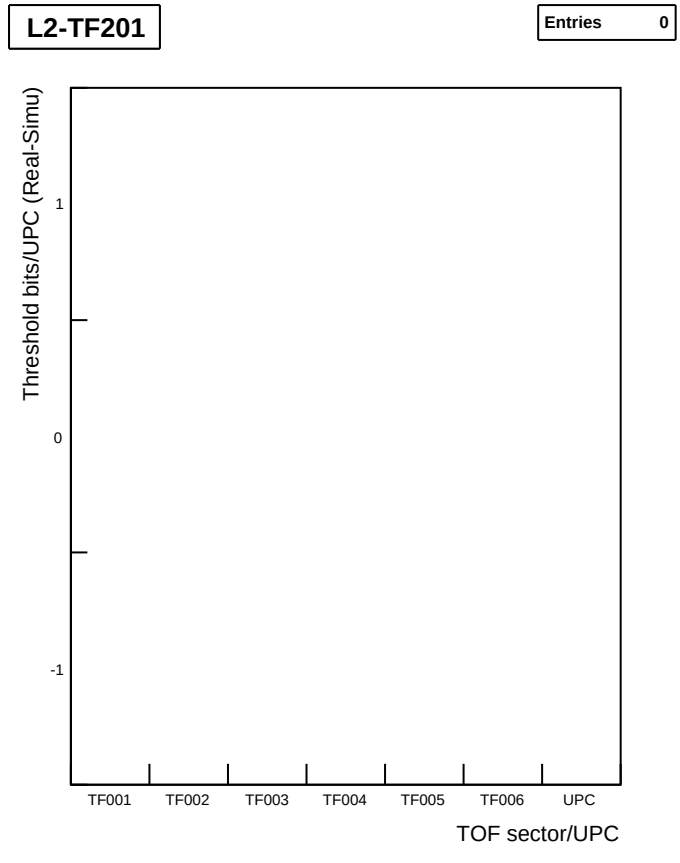

MIX-TF101
Entries 11802
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

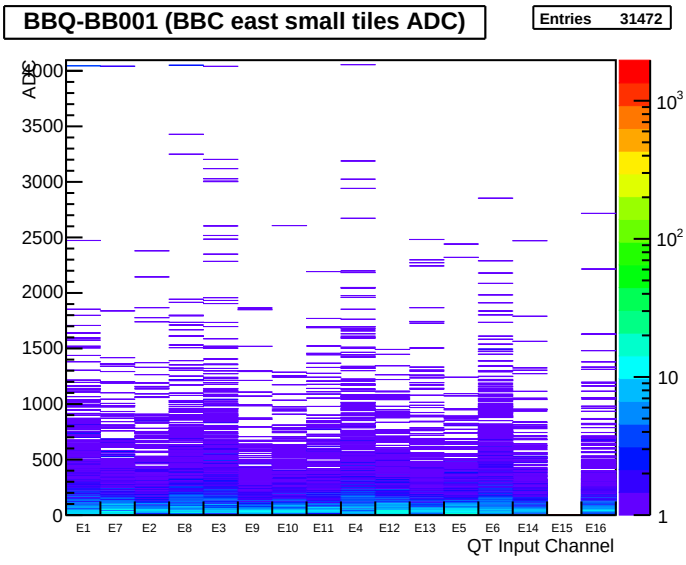

MIX-TF101
Entries 2553
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

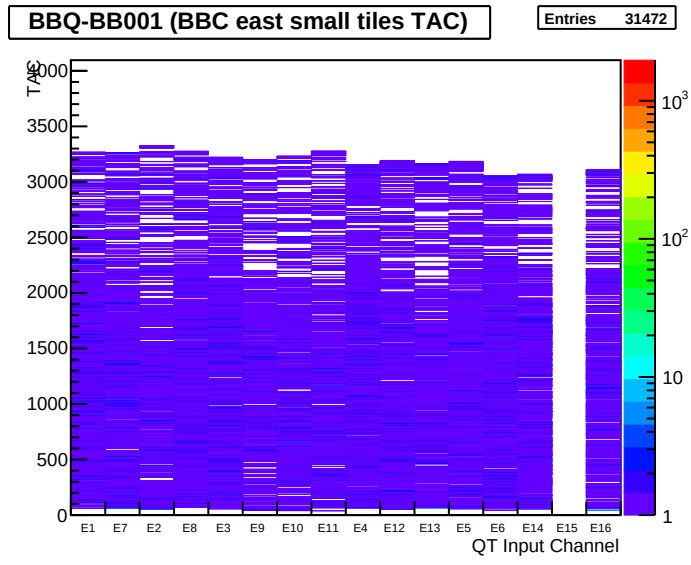

L2-TF201
Entries 1967
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

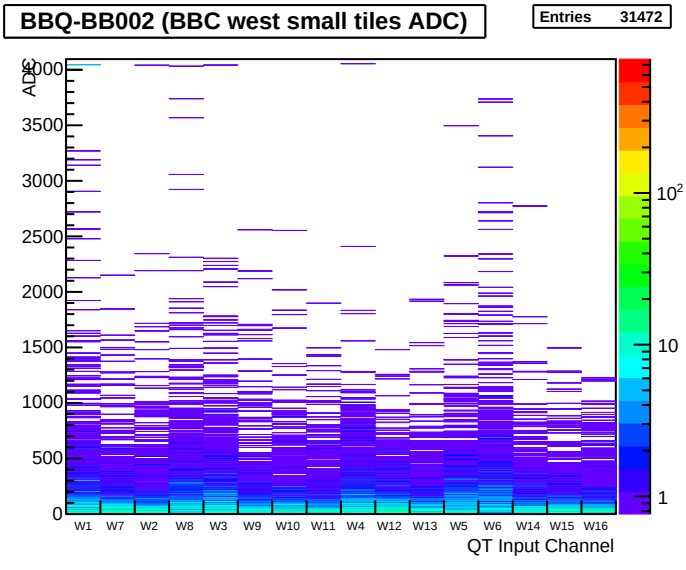

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

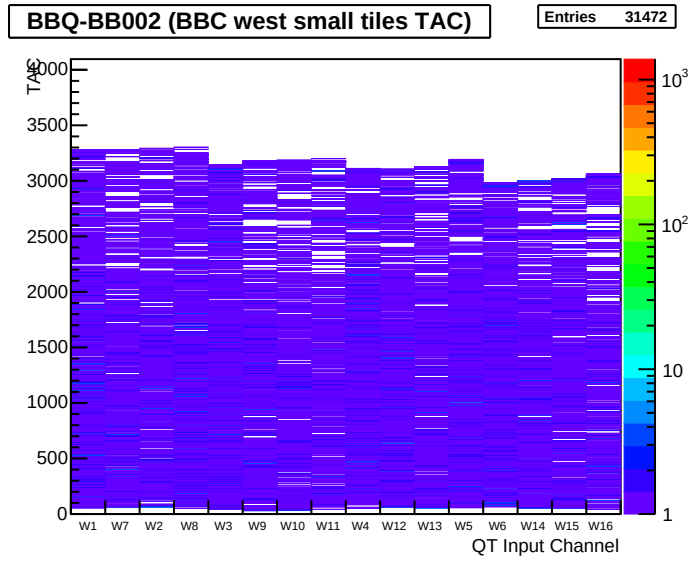

L2-TF201
Entries 13769
Threshold/UPC bits
1
0
1582
1581
325
1690
1579
1587
1681
385
386
1642
277
388
380
286
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

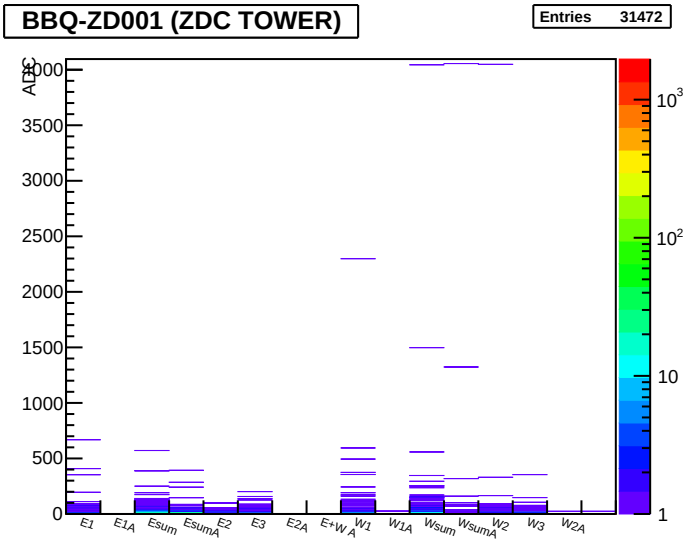

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

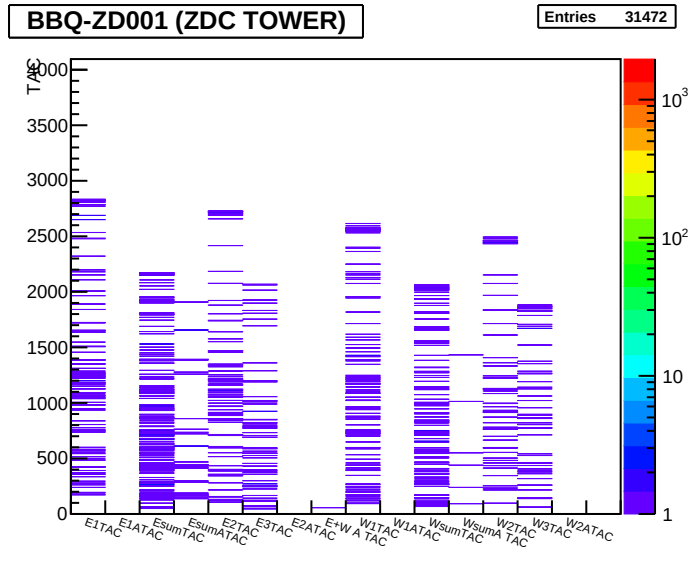

BBQ-BB001 (BBC east small tiles ADC)
Entries 31472
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

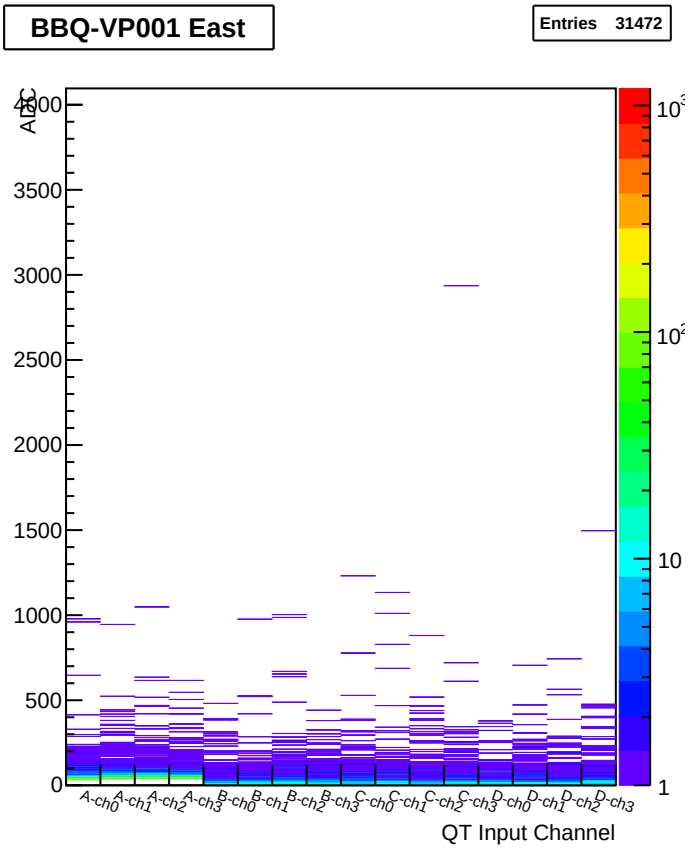

BBQ-BB001 (BBC east small tiles TAC)
Entries 31472
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

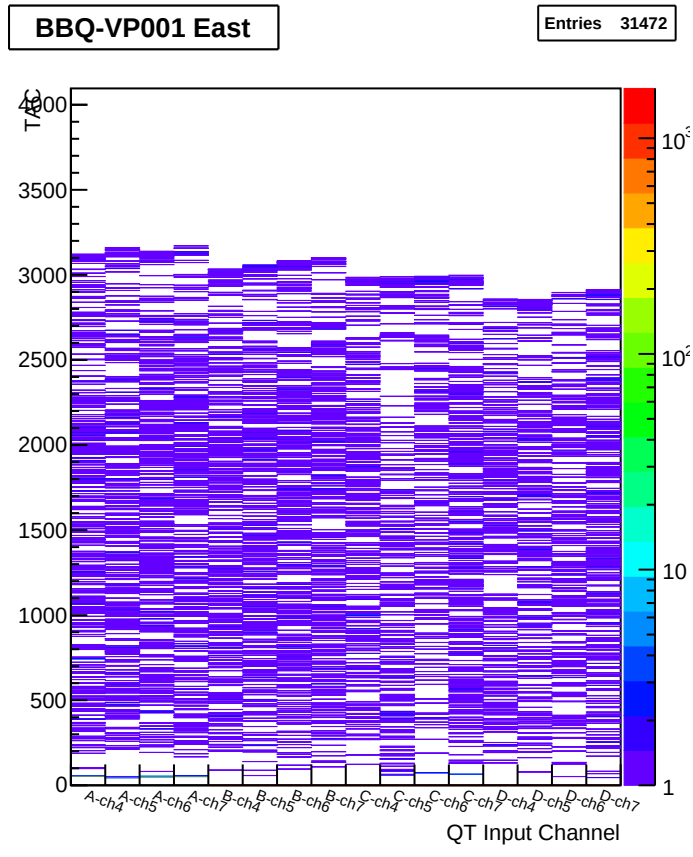

BBQ-BB002 (BBC west small tiles ADC)
Entries 31472
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

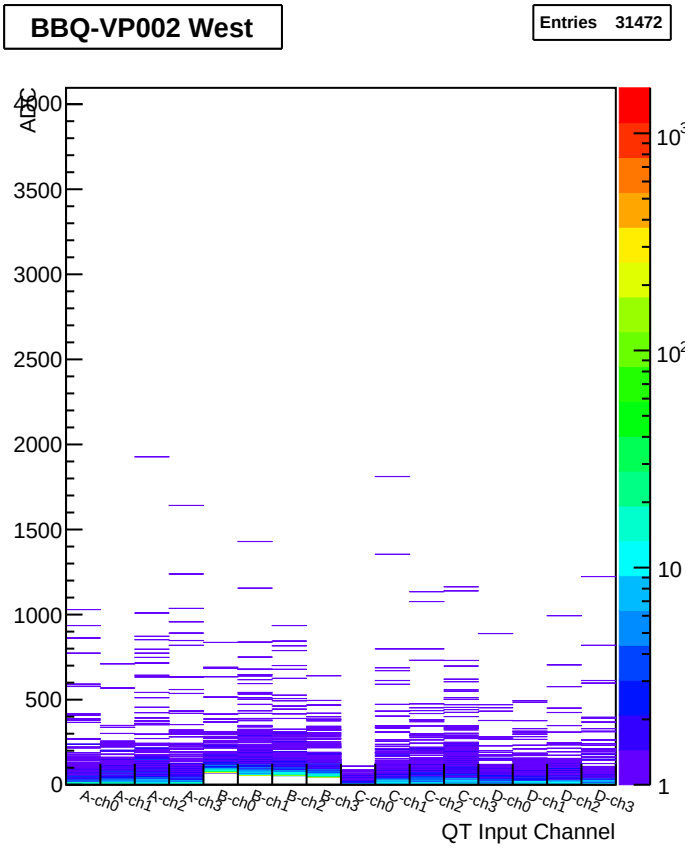

BBQ-BB002 (BBC west small tiles TAC)
Entries 31472
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

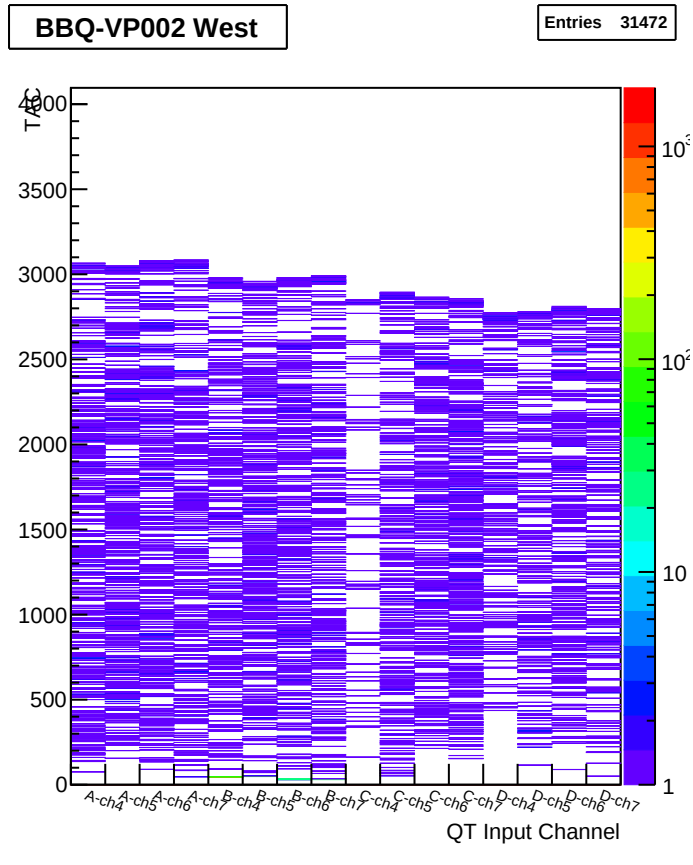

BBQ-ZD001 (ZDC TOWER)
Entries 31472
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

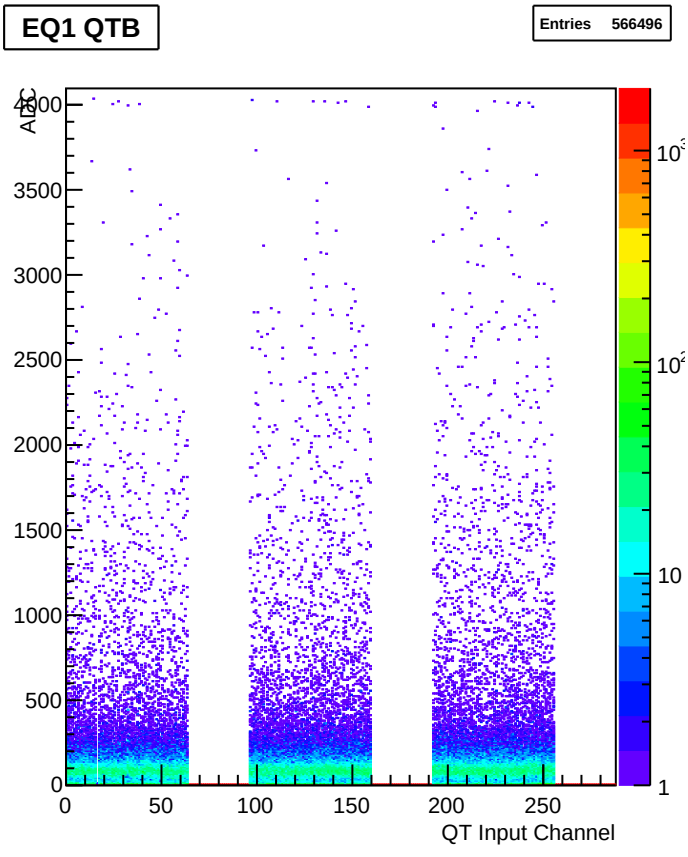

BBQ-ZD001 (ZDC TOWER)
Entries 31472
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

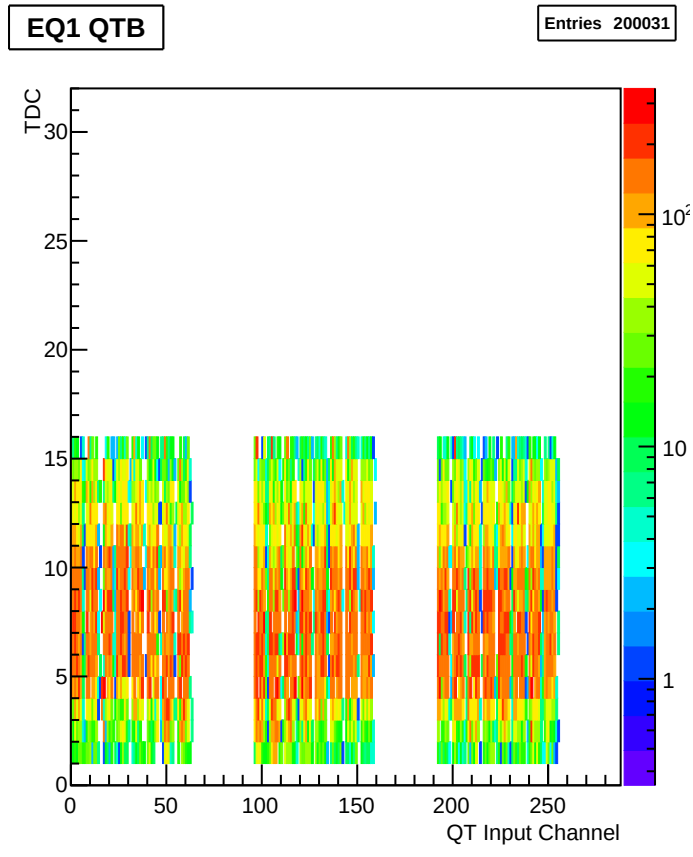

BBQ-VP001 East
Entries 31472
ADC
QT Input Channel

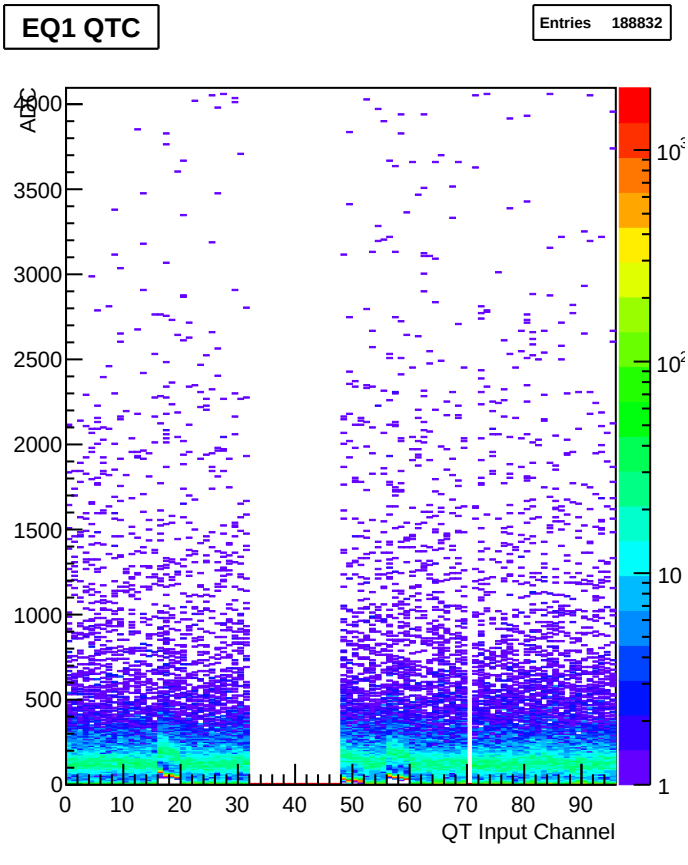

BBQ-VP001 East
Entries 31472
TADC
QT Input Channel

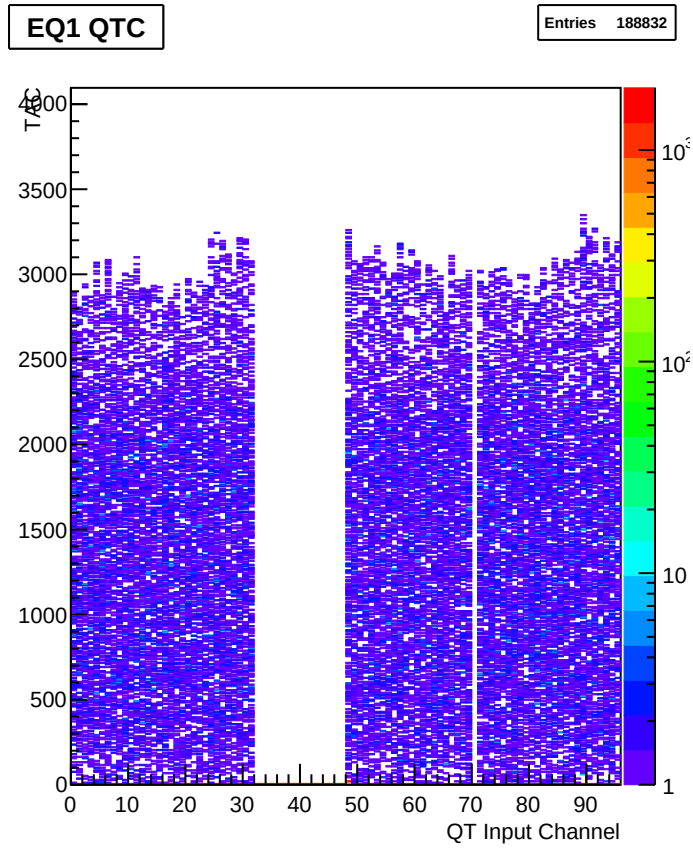

BBQ-VP002 West
Entries 31472
ADC
QT Input Channel

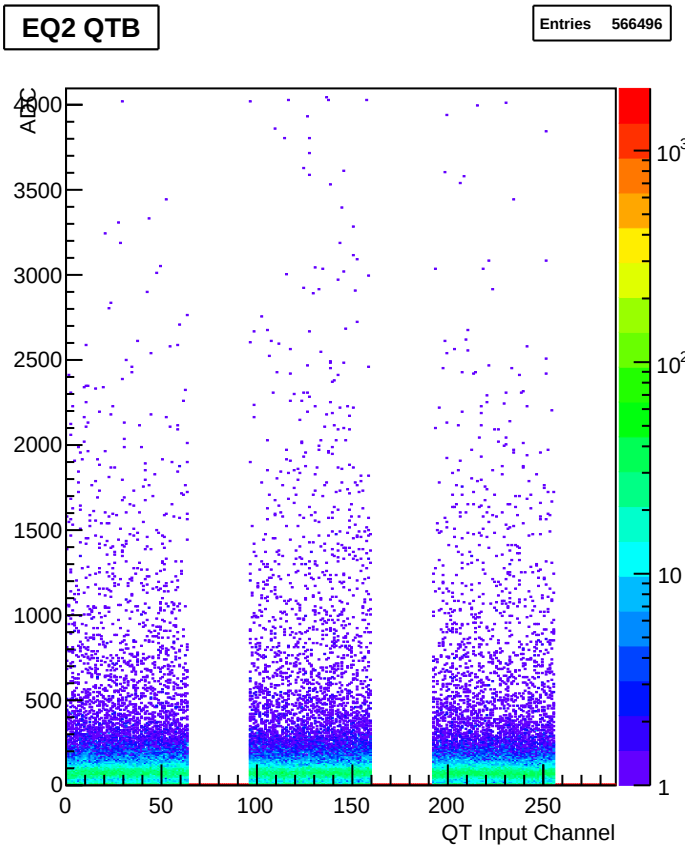

BBQ-VP002 West
Entries 31472
TADC
QT Input Channel

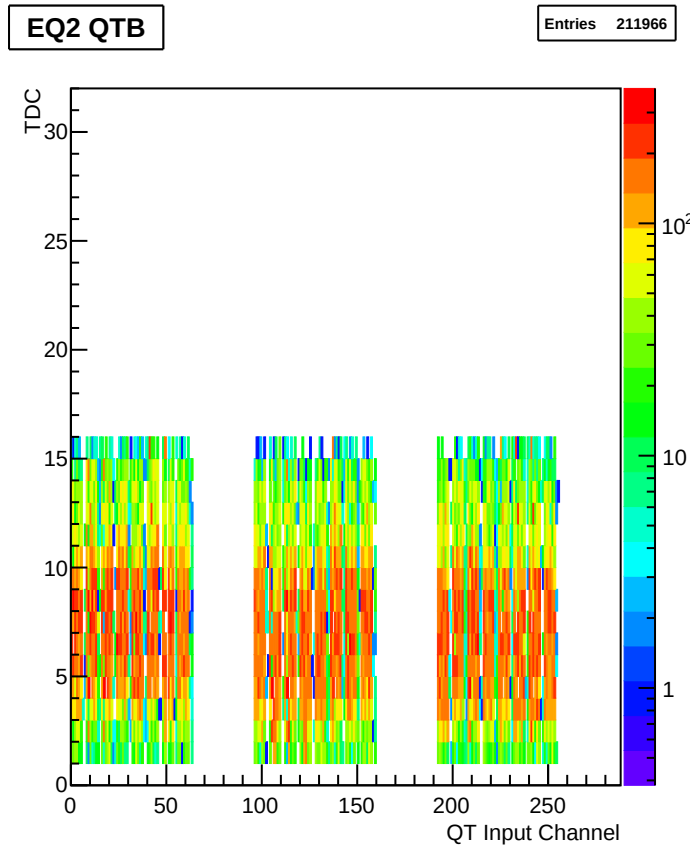

EQ1 QTB
Entries 566496
ADC
QT Input Channel

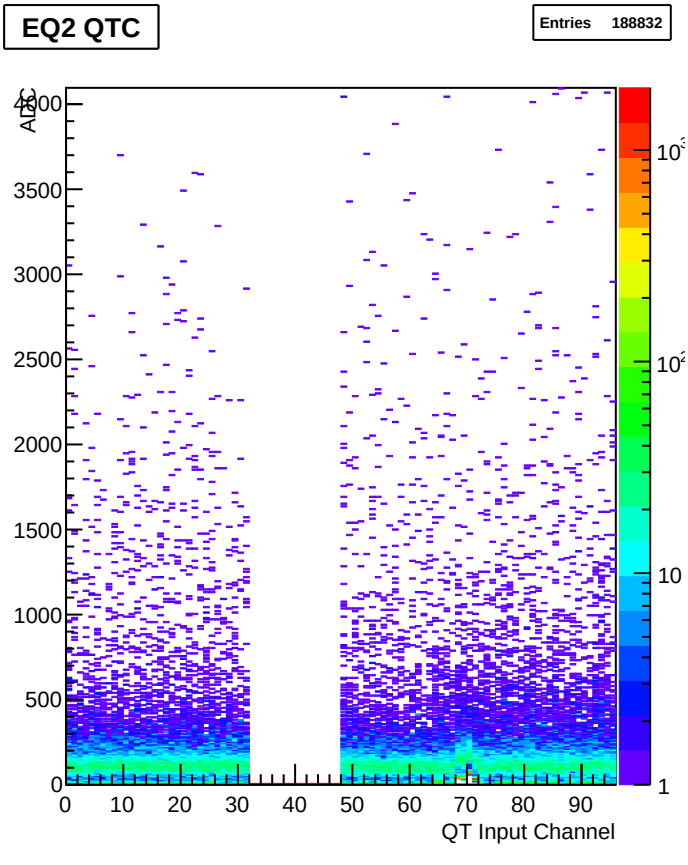

EQ1 QTB
Entries 200031
TDC
QT Input Channel

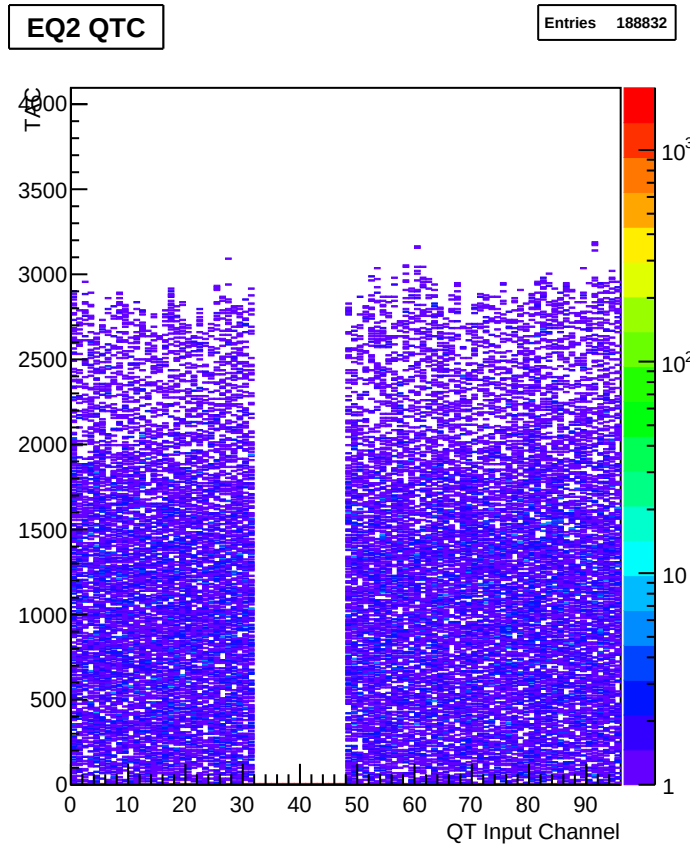

EQ1 QTC
Entries 188832
ADC
QT Input Channel

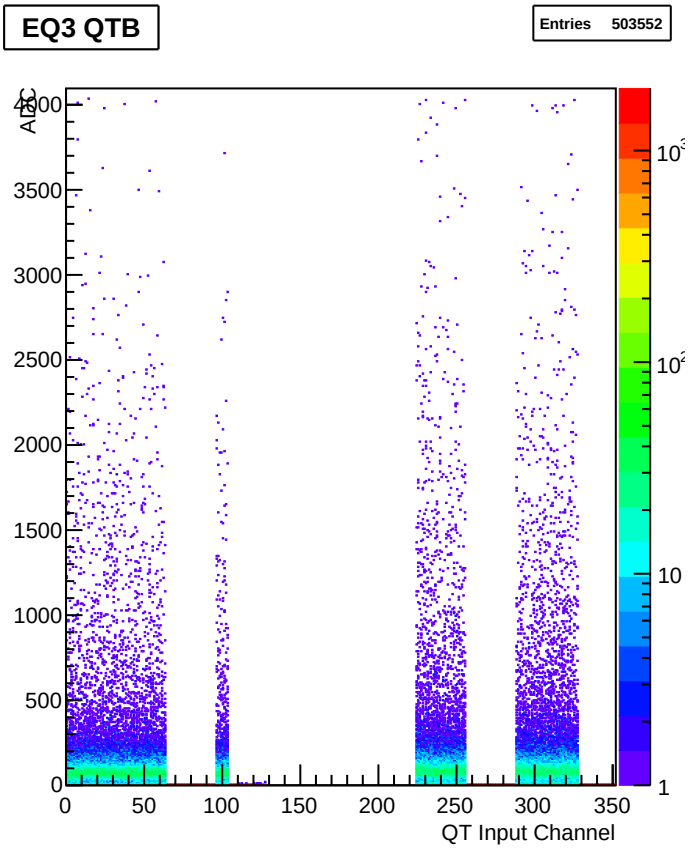

EQ1 QTC
Entries 188832
TADC
QT Input Channel

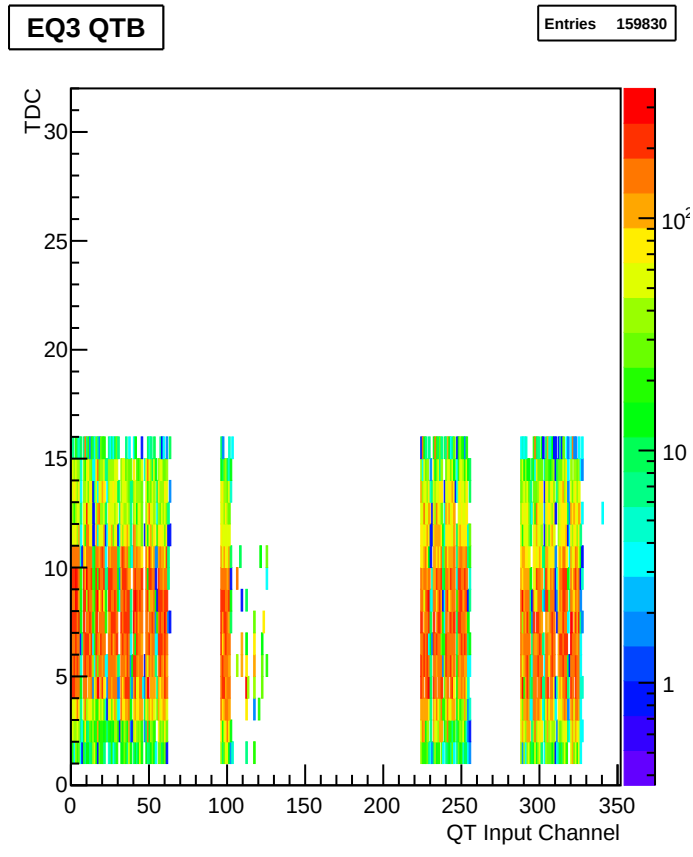

EQ2 QTB
Entries 566496
ADC
QT Input Channel

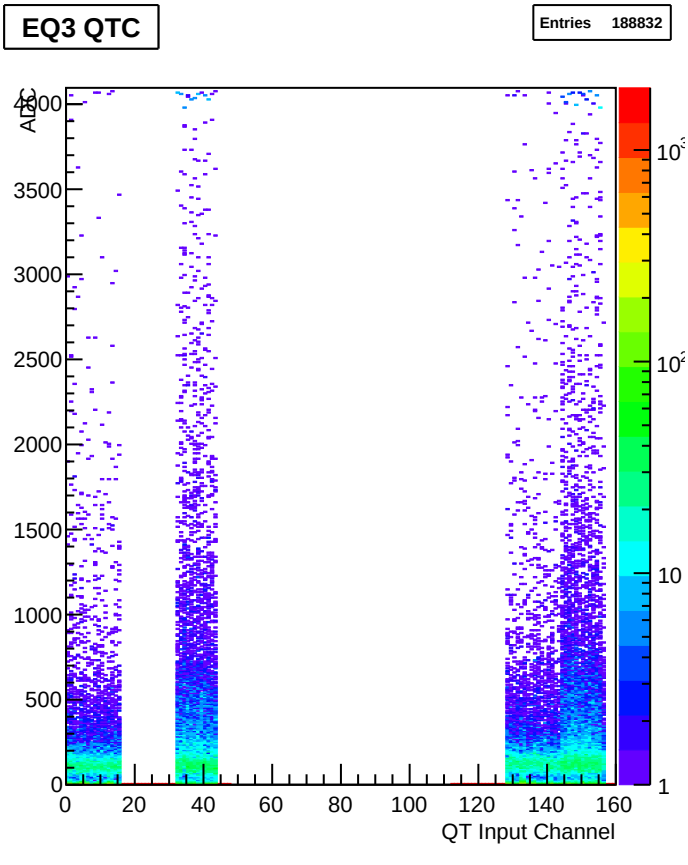

EQ2 QTB
Entries 211966
TDC
QT Input Channel

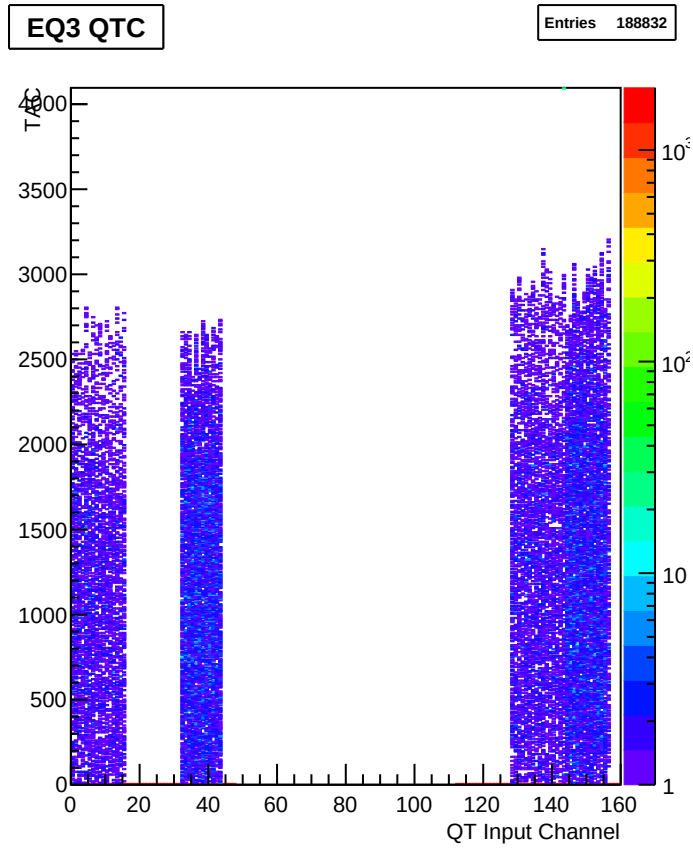

EQ2 QTC
Entries 188832
ADC
QT Input Channel

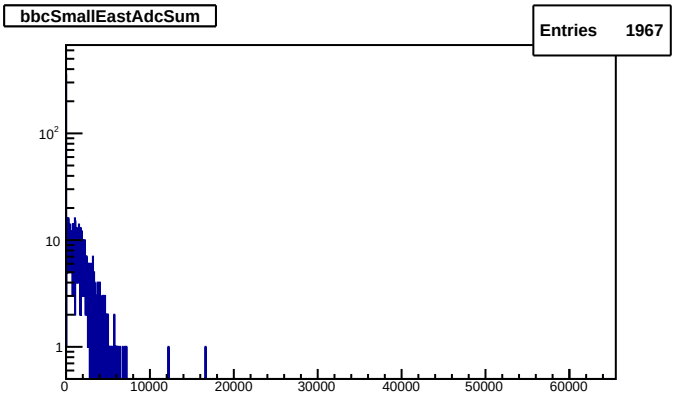

EQ2 QTC
Entries 188832
TADC
QT Input Channel

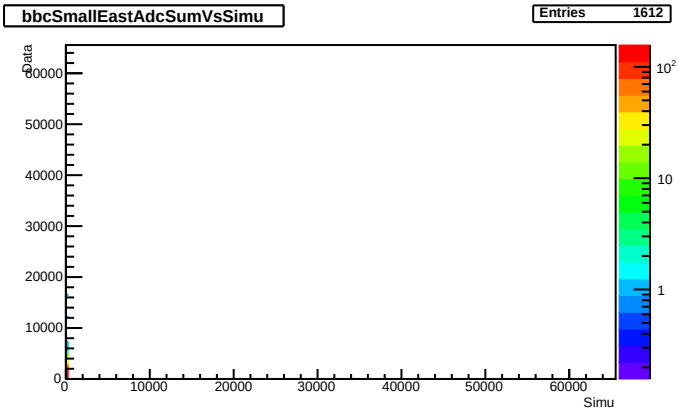

EQ3 QTB
Entries 503552
ADC
QT Input Channel

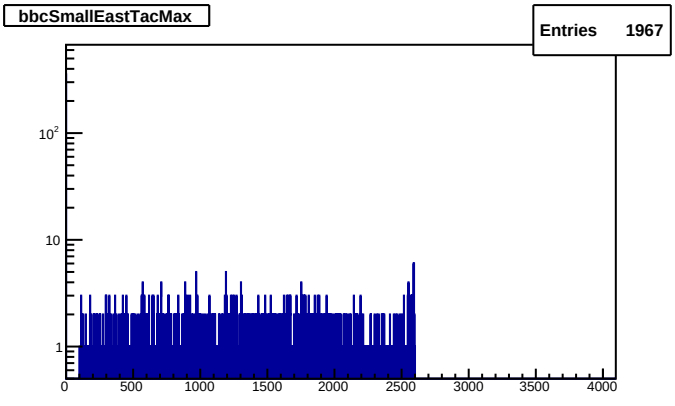

EQ3 QTB
Entries 159830
TDC
QT Input Channel

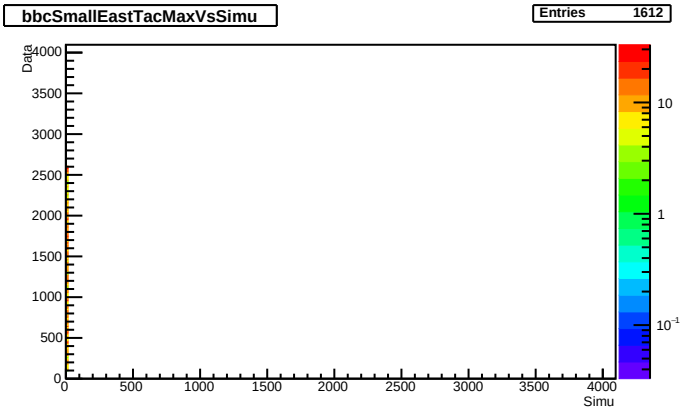

EQ3 QTC
Entries 188832
ADC
QT Input Channel

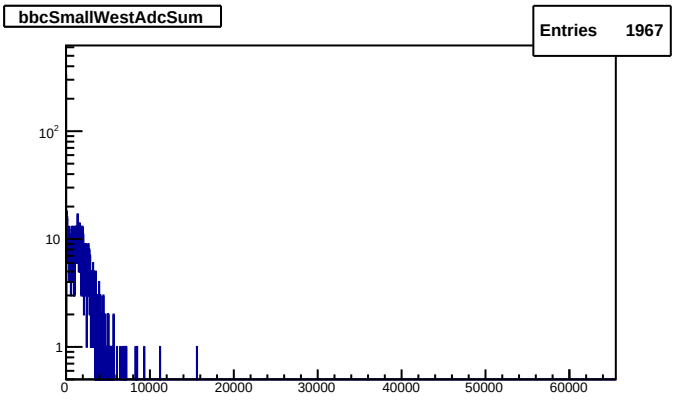

EQ3 QTC
Entries 188832
TADC
QT Input Channel

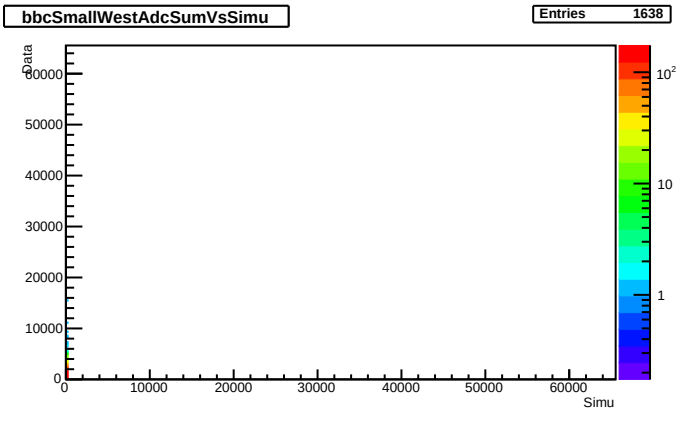

bbcSmallEastAdcSum
Entries 1967

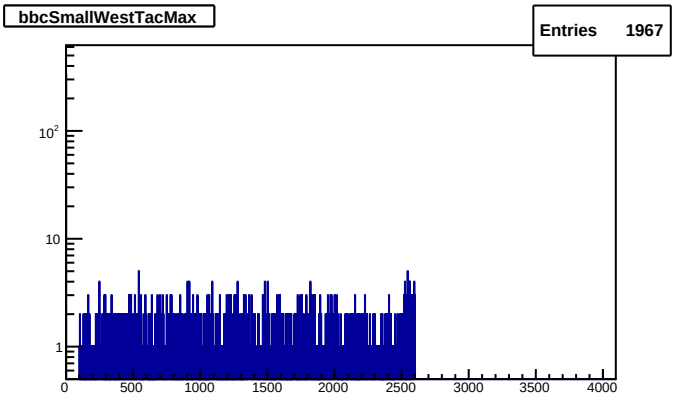

bbcSmallEastAdcSumVsSimu
Entries 1612
Data
Simu

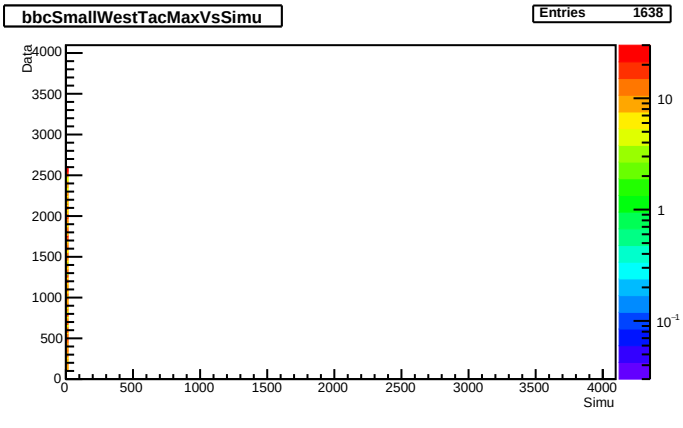

bbcSmallEastTacMax
Entries 1967

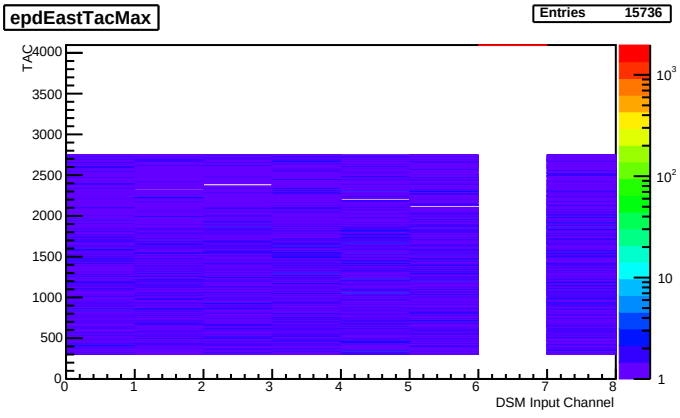

bbcSmallEastTacMaxVsSimu
Entries 1612
Data
Simu

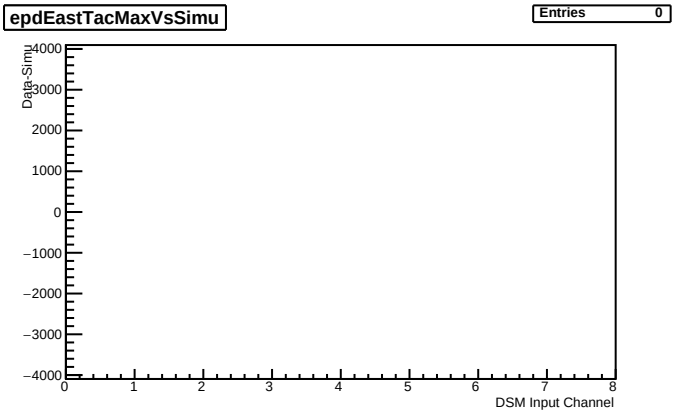

bbcSmallWestAdcSum
Entries 1967

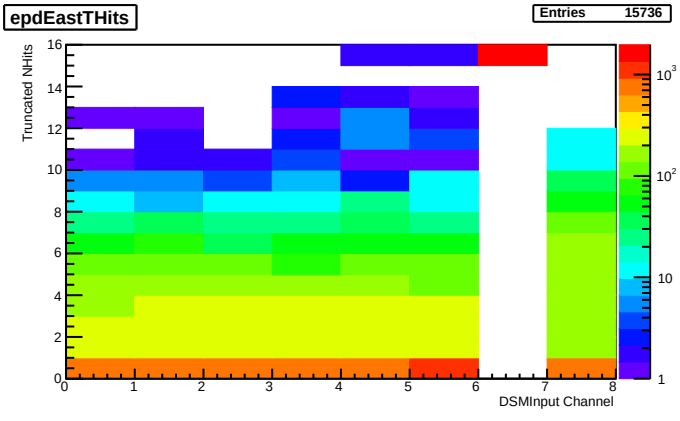

bbcSmallWestAdcSumVsSimu
Entries 1638
Data
Simu

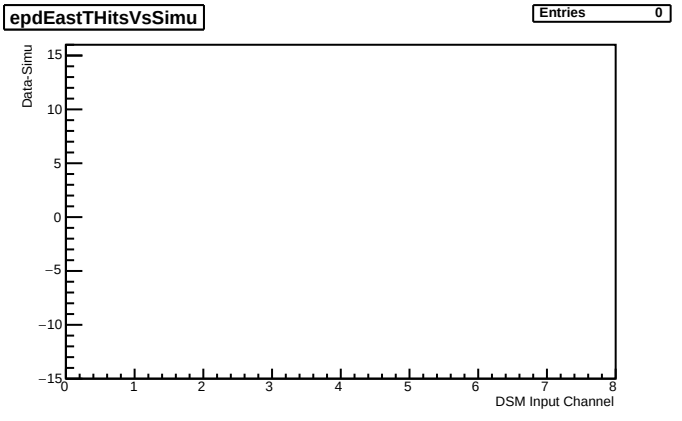

bbcSmallWestTacMax
Entries 1967

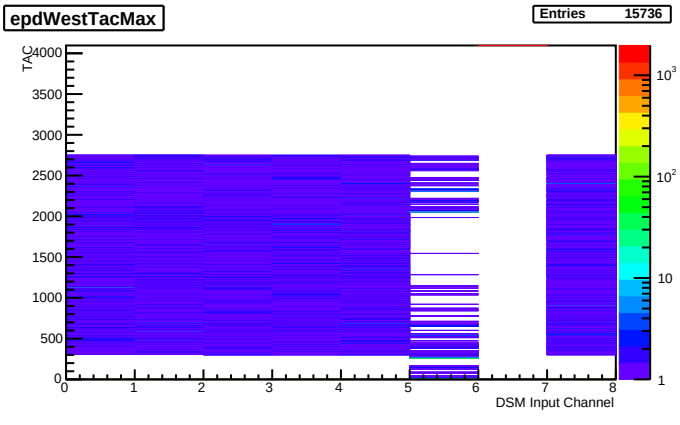

bbcSmallWestTacMaxVsSimu
Entries 1638
Data
Simu

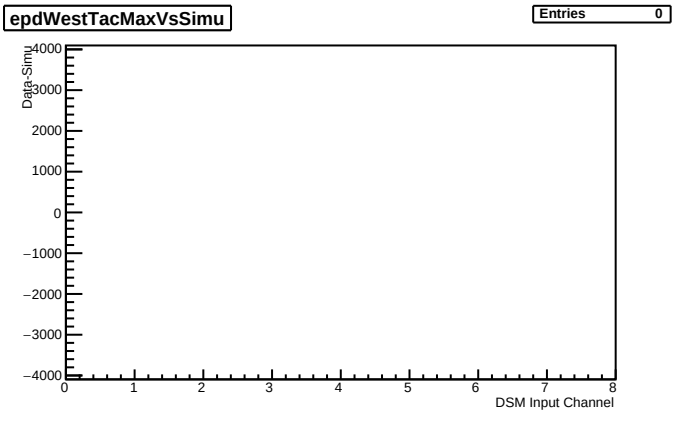

epdEastTacMax
Entries 15736
TAC
DSM Input Channel

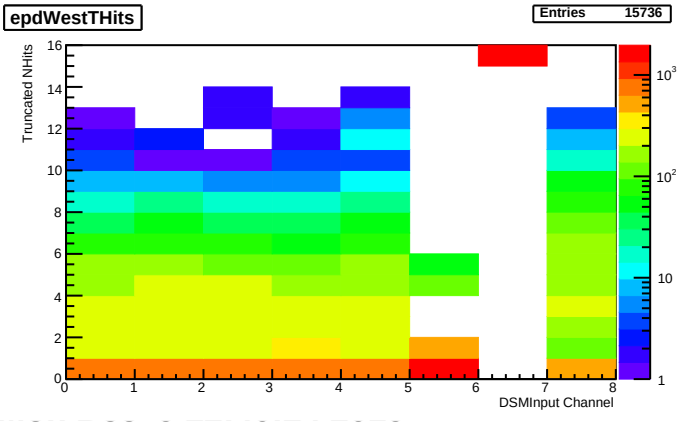

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

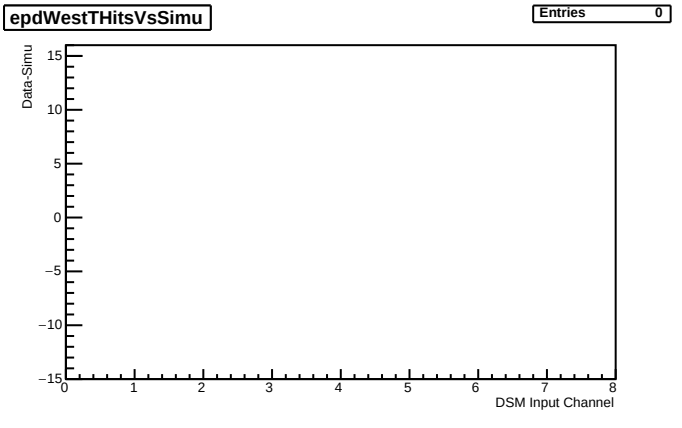

epdEastTHits
Entries 15736
Truncated NHits
DSMInput Channel

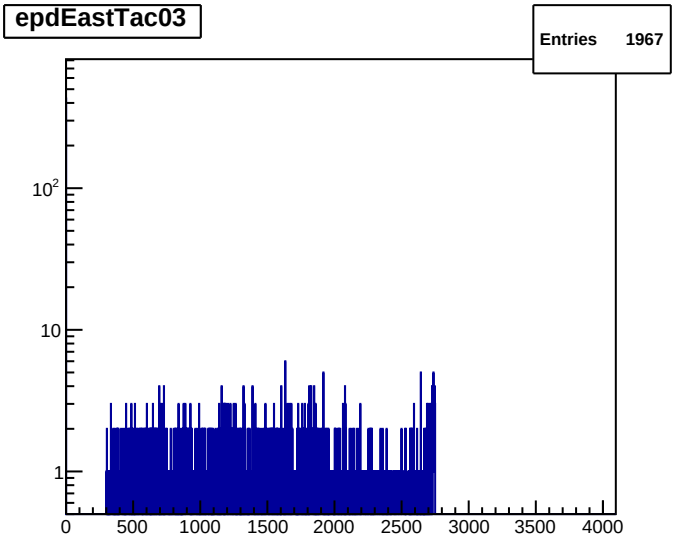

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

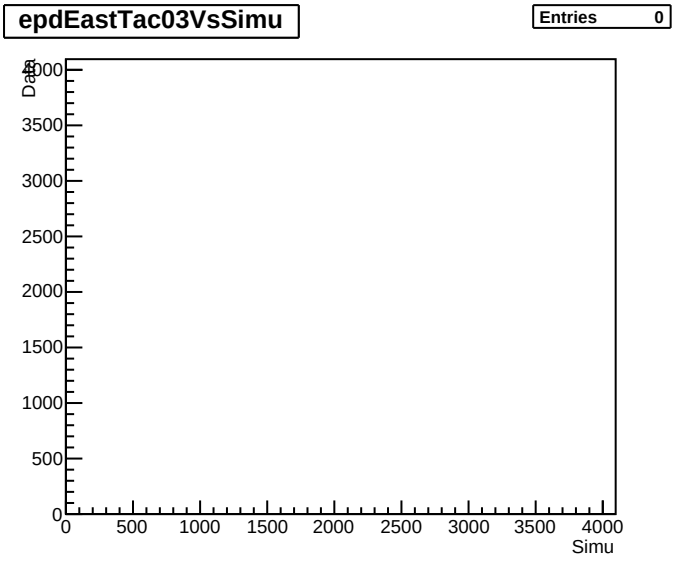

epdWestTacMax
Entries 15736
TAC
DSM Input Channel

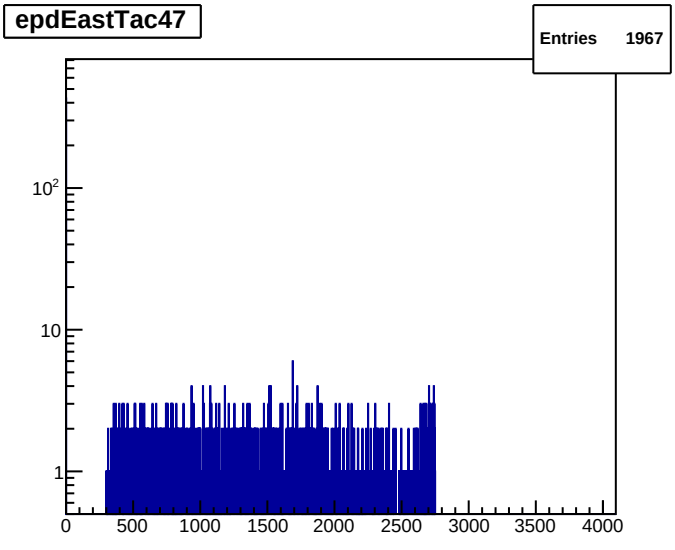

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

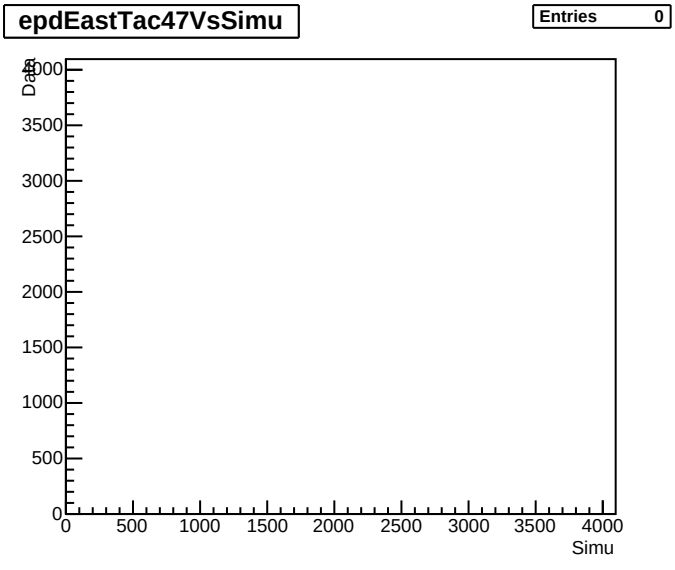

epdWestTHits
Entries 15736
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 1967
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 1967
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
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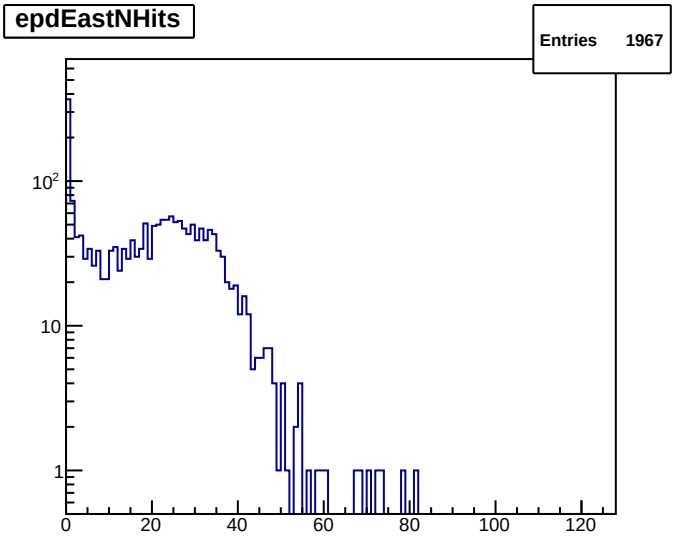
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 1967
10^2
10
1
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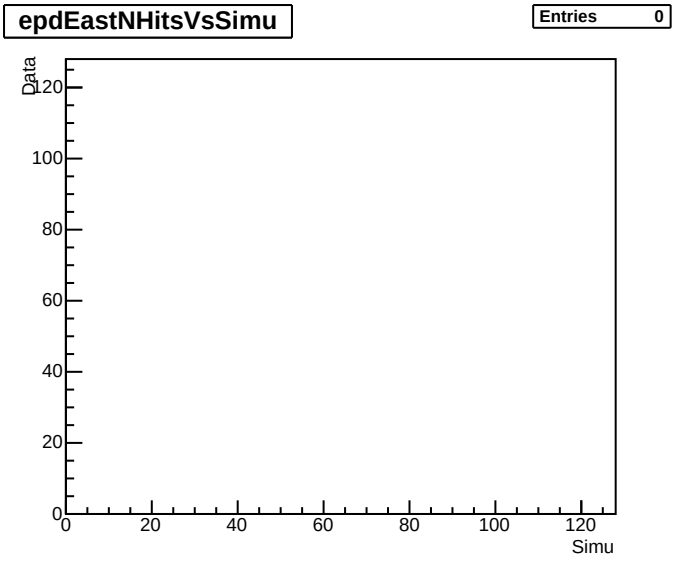
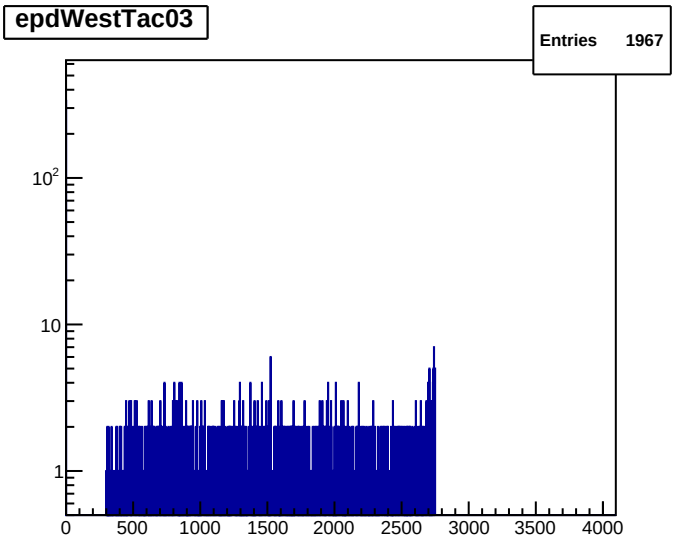
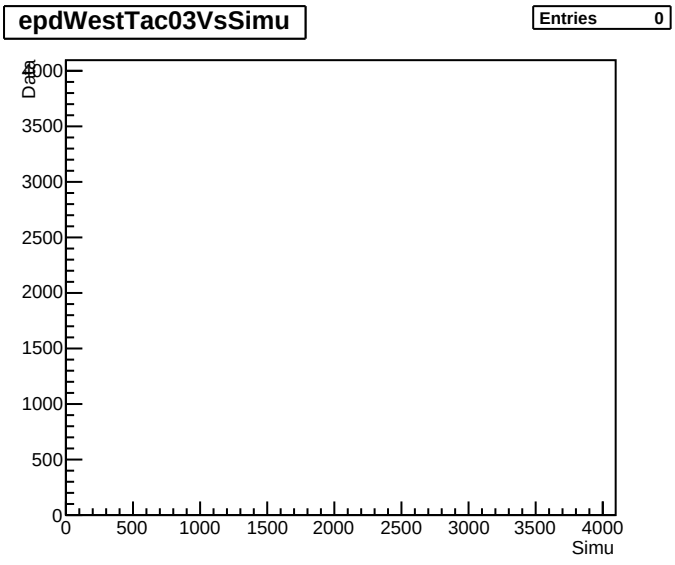
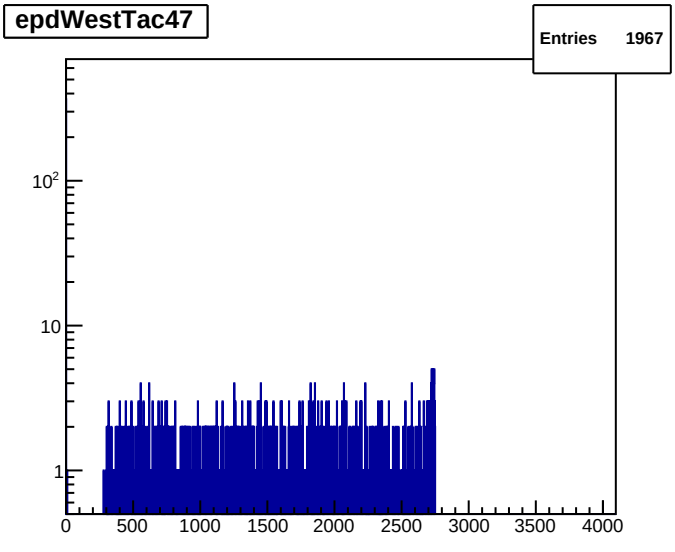
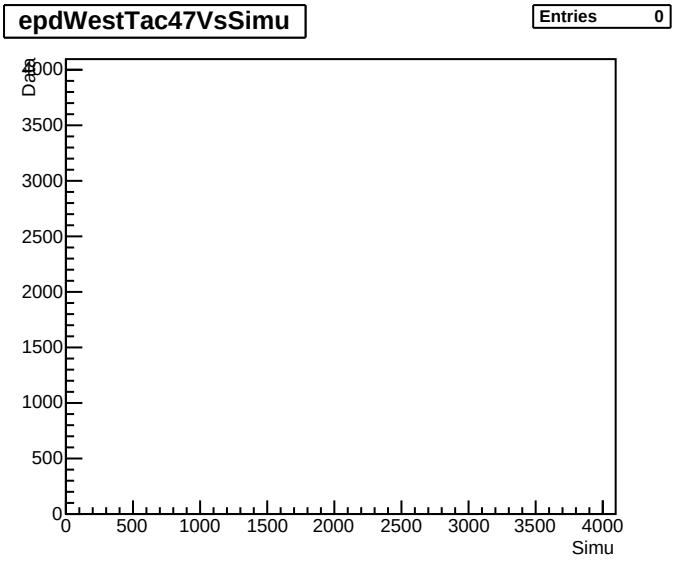
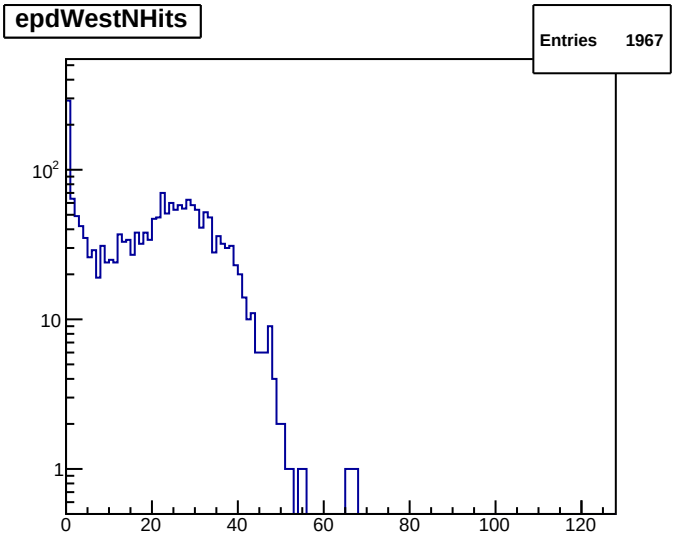

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

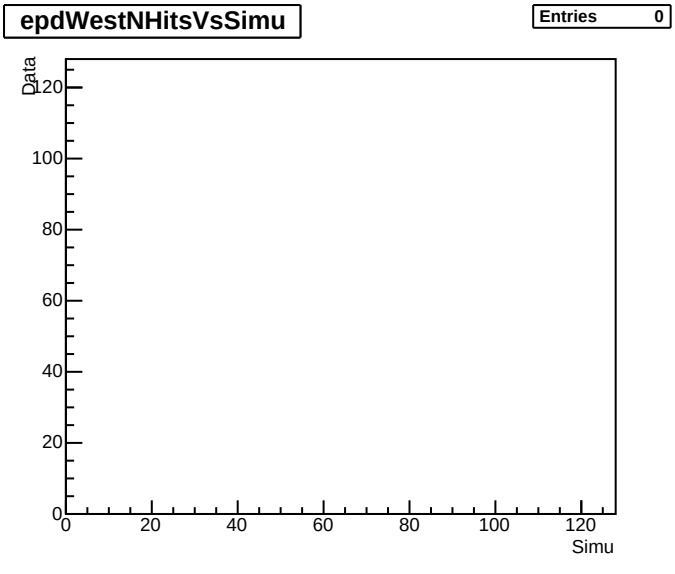

epdWestTac03
Entries 1967
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

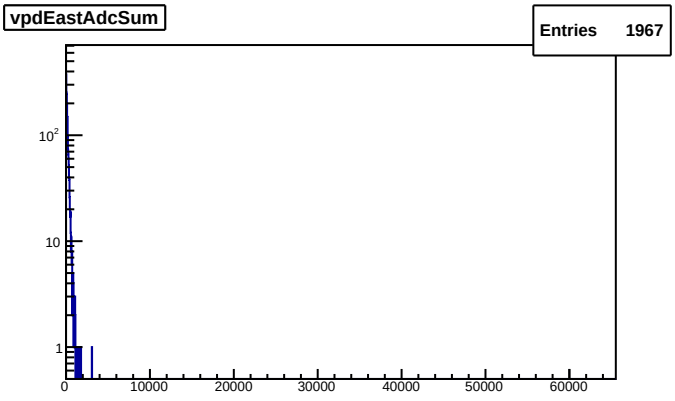

epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

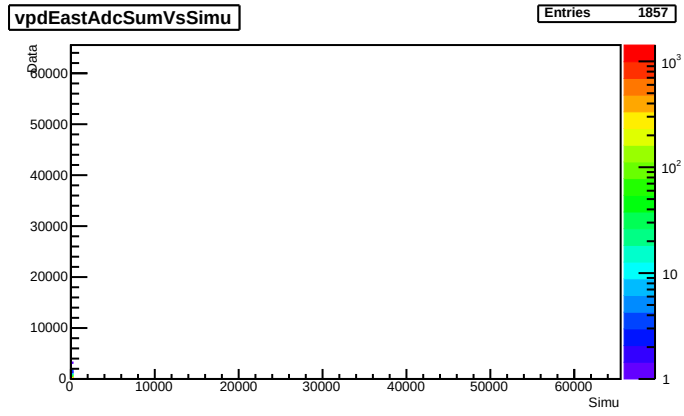

epdWestTac47
Entries 1967
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

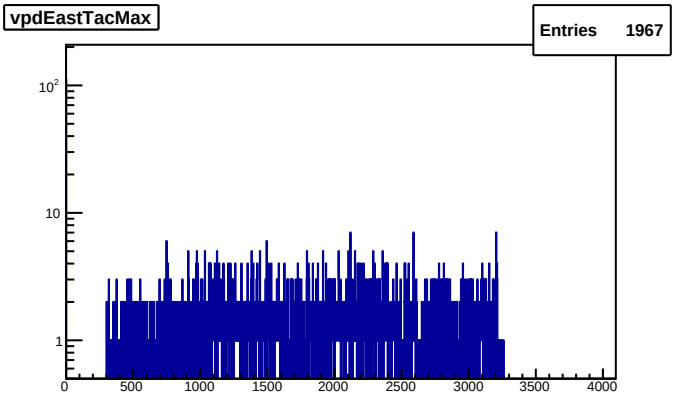

epdWestTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

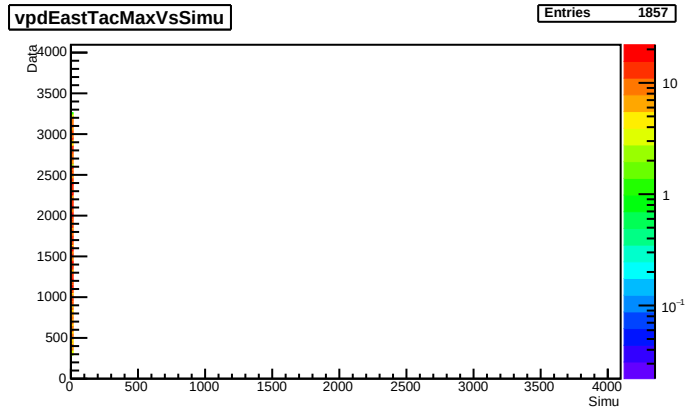

epdWestNHits
Entries 1967
10^2
10
1
0 20 40 60 80 100 120

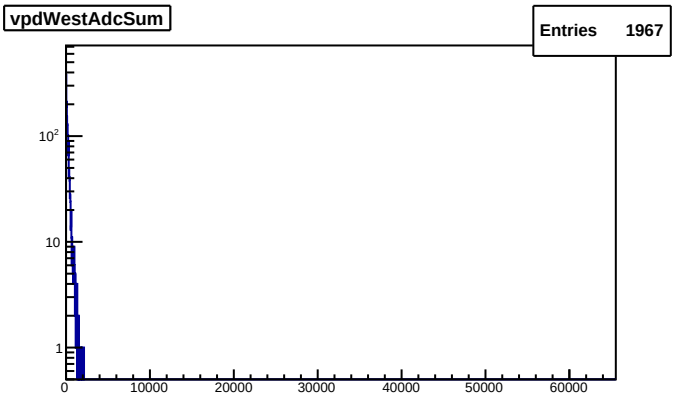

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

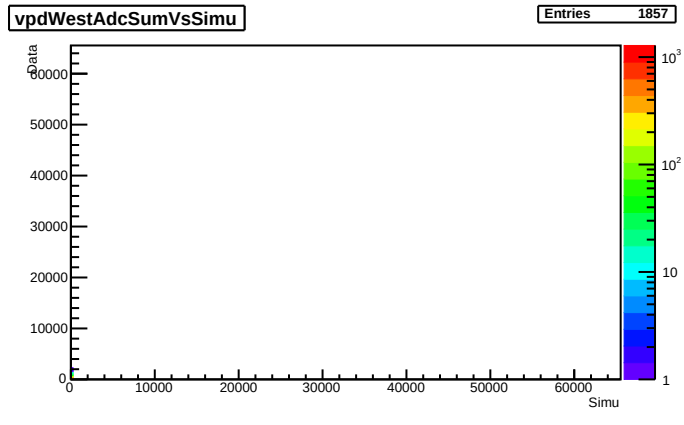

vpdEastAdcSum
Entries 1967

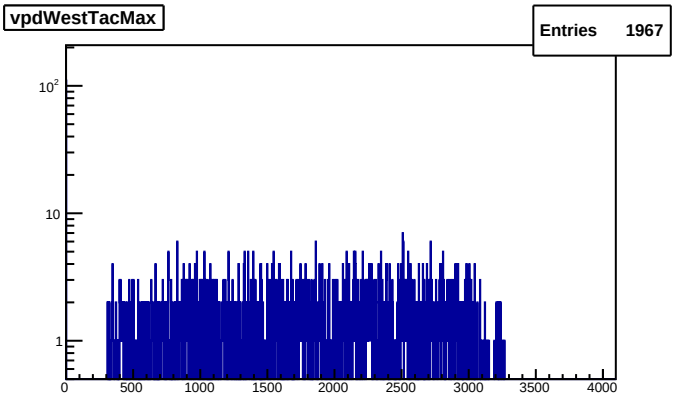

vpdEastAdcSumVsSimu
Entries 1857
Data
Simu

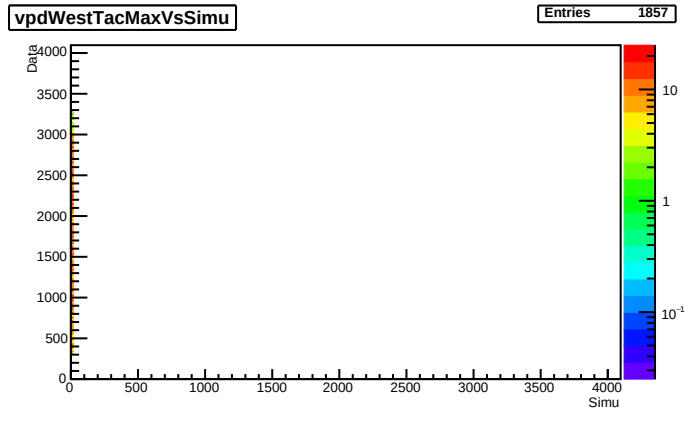

vpdEastTacMax
Entries 1967

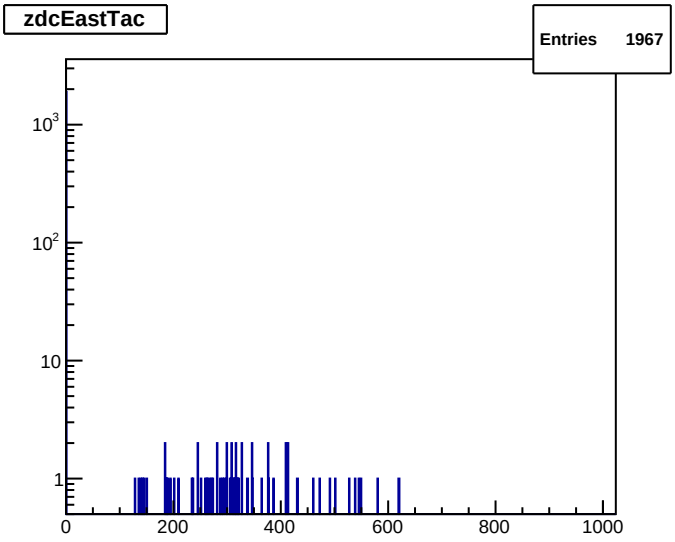

vpdEastTacMaxVsSimu
Entries 1857
Data
Simu

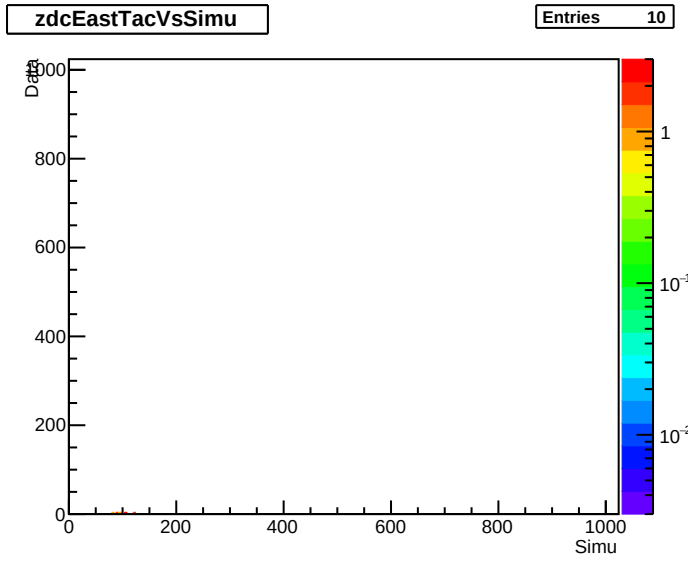

vpdWestAdcSum
Entries 1967

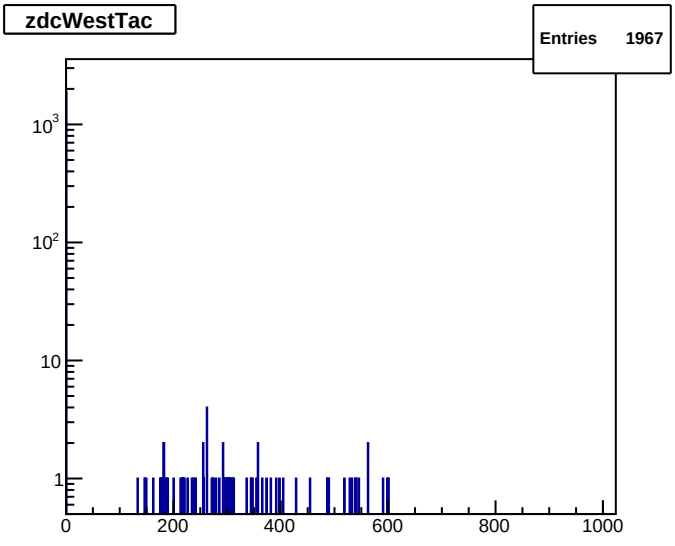

vpdWestAdcSumVsSimu
Entries 1857
Data
Simu

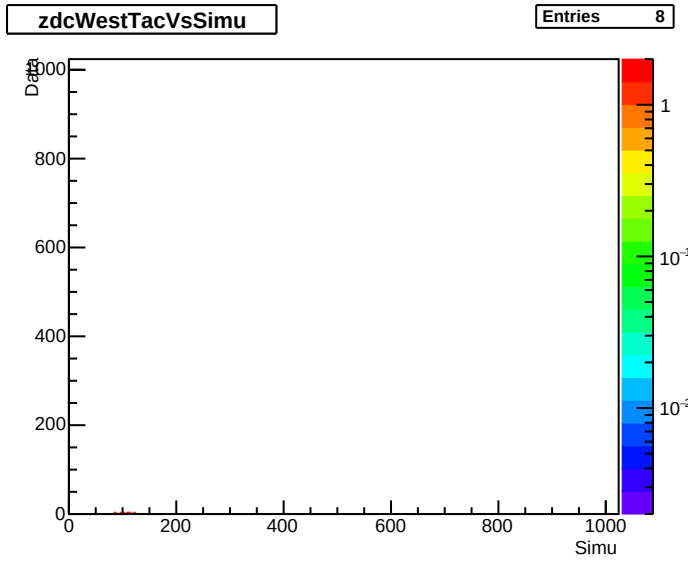

vpdWestTacMax
Entries 1967

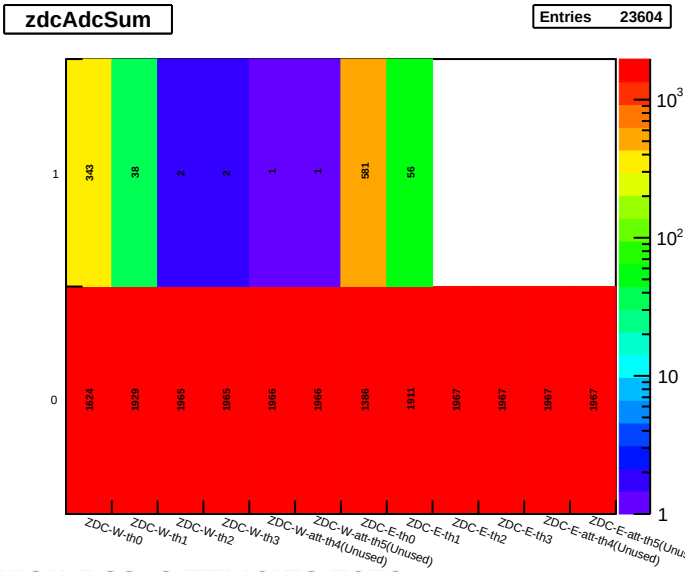

vpdWestTacMaxVsSimu
Entries 1857
Data
Simu

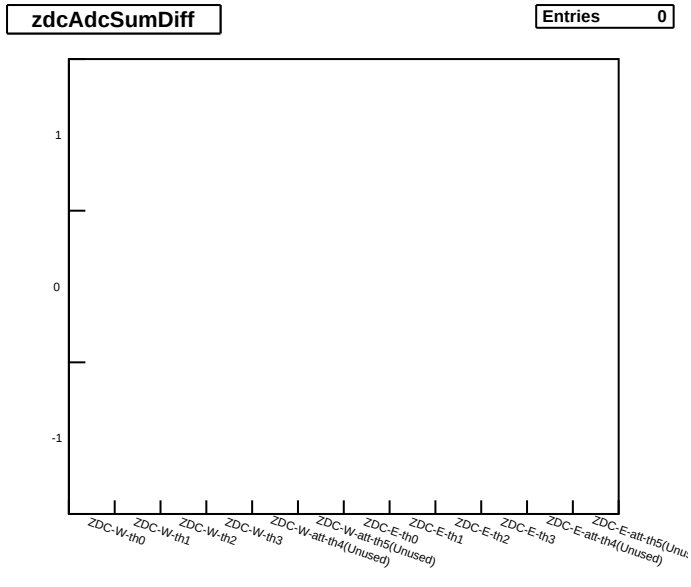

zdcEastTac
Entries 1967

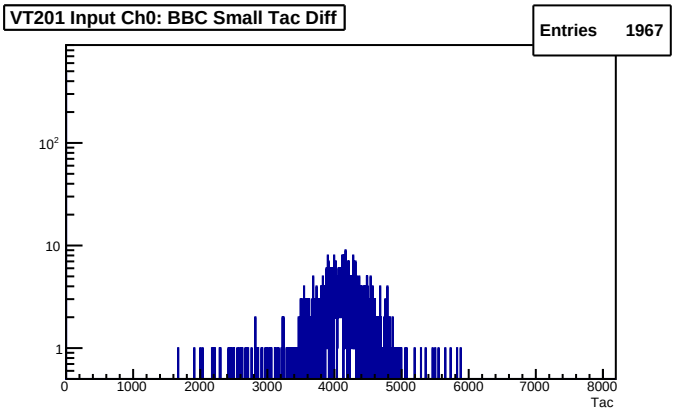

zdcEastTacVsSimu
Entries 10
Data
Simu

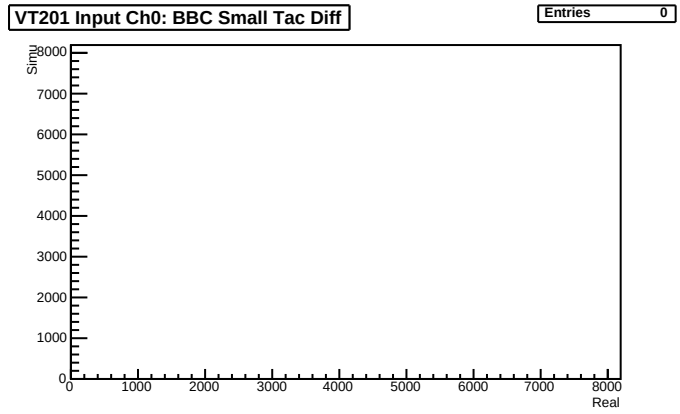

zdcWestTac
Entries 1967

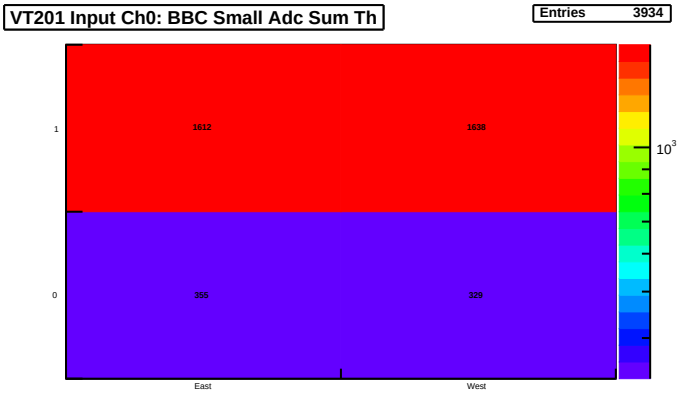

zdcWestTacVsSimu
Entries 8
Data
Simu

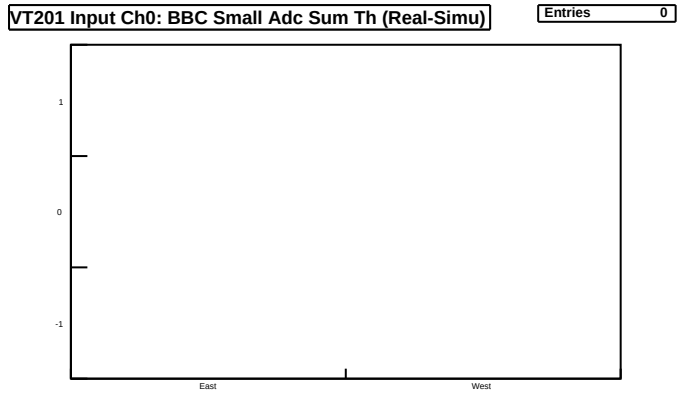

zdcAdcSum
Entries 23604
343
38
2
2
1
1
581
56
1624
1929
1965
1965
1966
1966
1386
1911
1967
1967
1967
1967
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

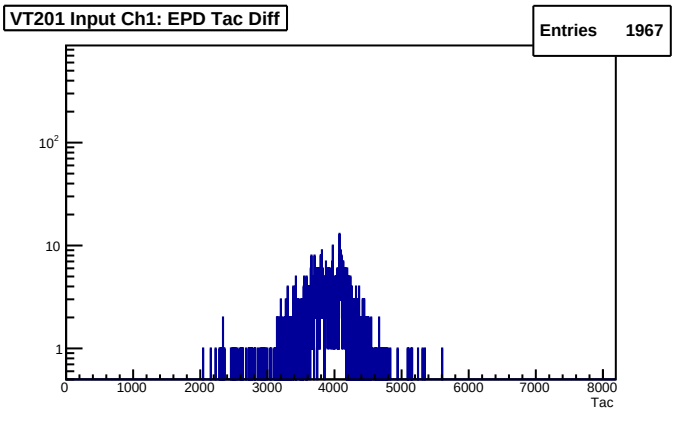

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

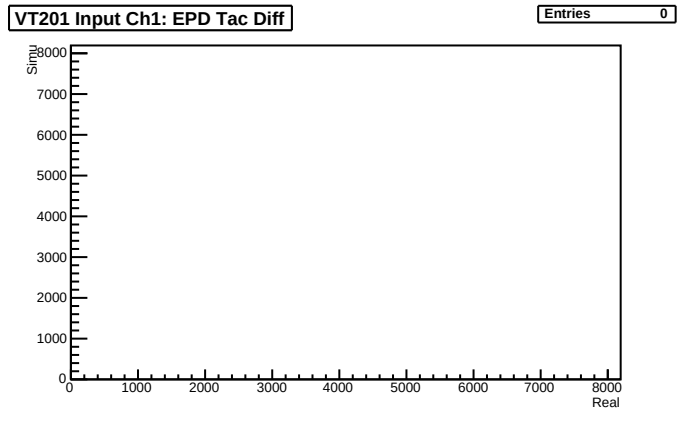

VT201 Input Ch0: BBC Small Tac Diff
Entries 1967
Tac

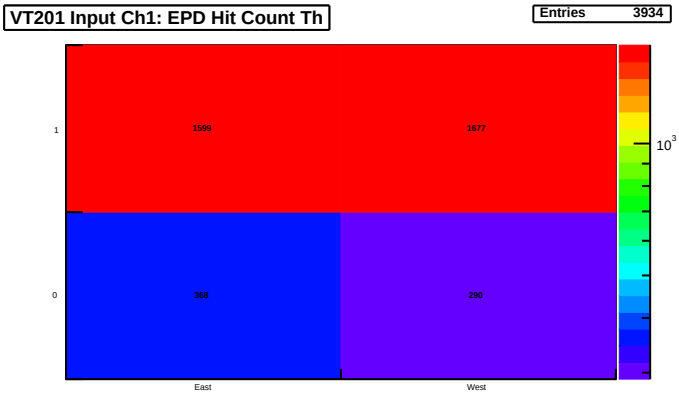

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

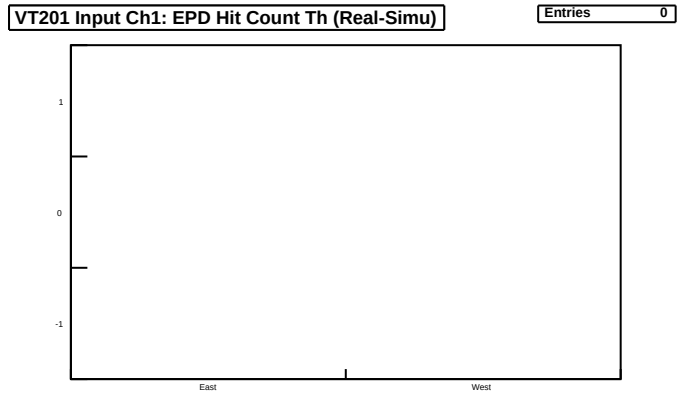

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 3934
1612
1638
355
329
East
West

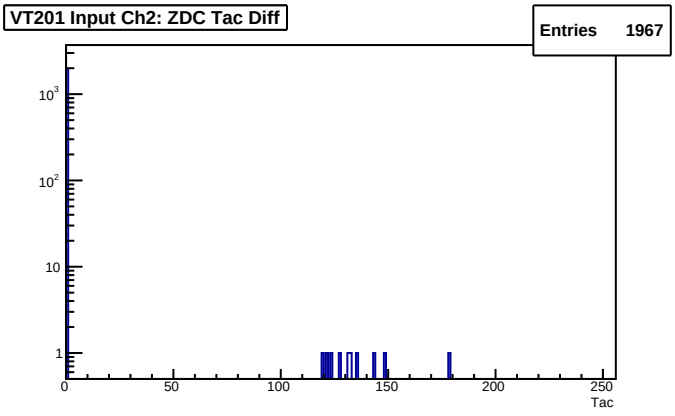

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

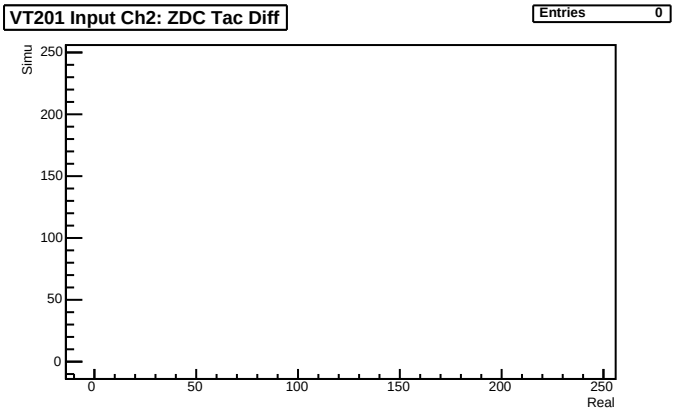

VT201 Input Ch1: EPD Tac Diff
Entries 1967
Tac

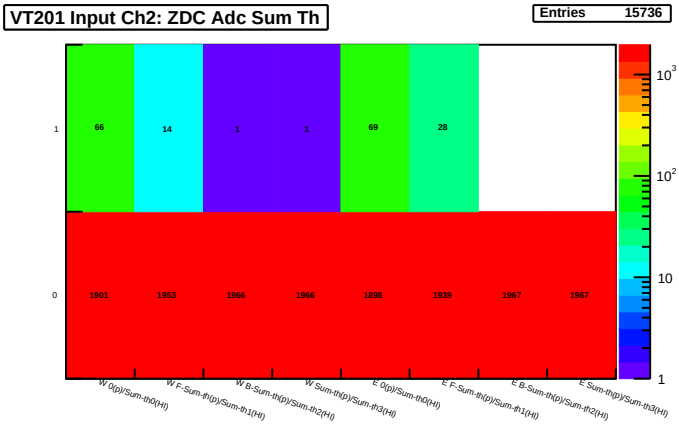

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

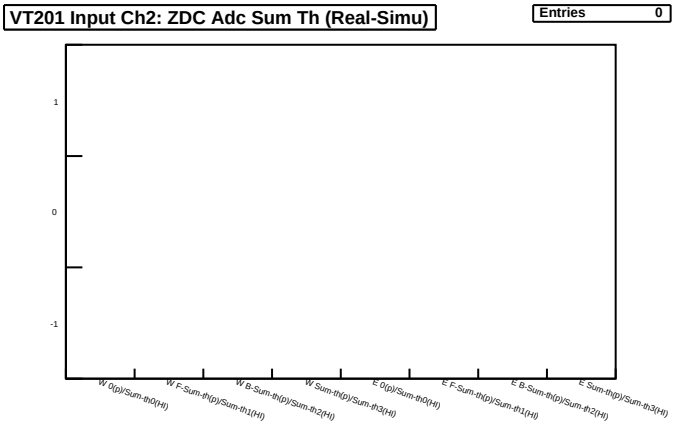

VT201 Input Ch1: EPD Hit Count Th
Entries 3934
1599
1677
368
290
East
West

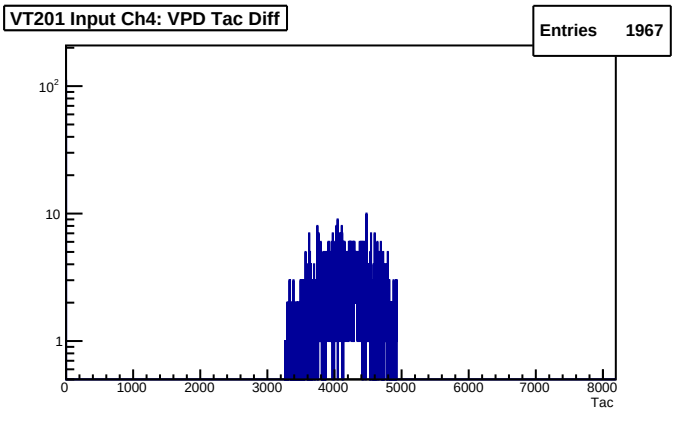

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

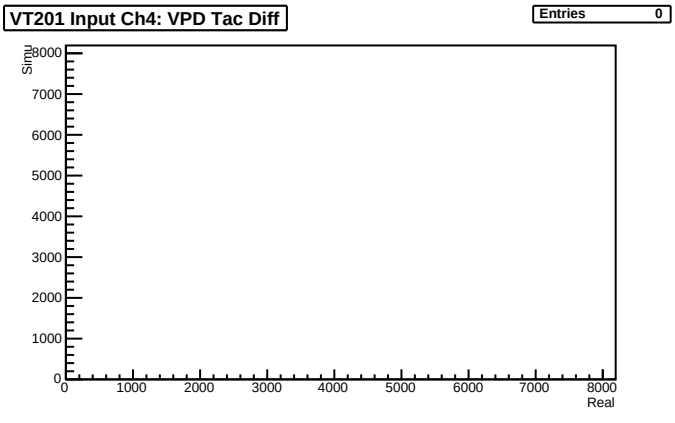

VT201 Input Ch2: ZDC Tac Diff
Entries 1967
Tac

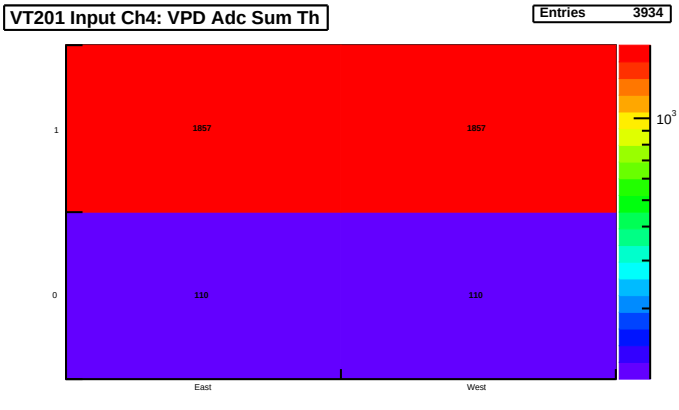

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

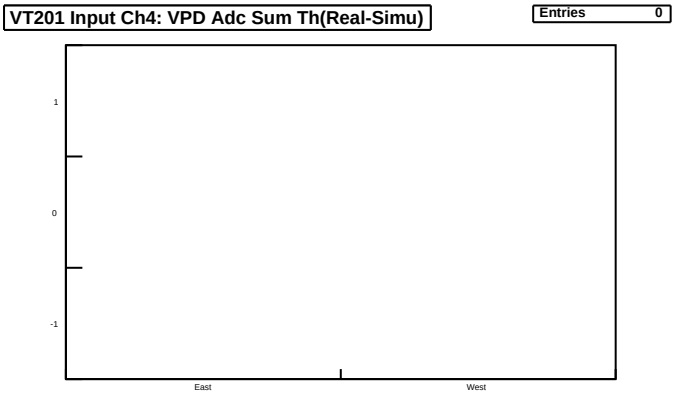

VT201 Input Ch2: ZDC Adc Sum Th
Entries 15736
66
14
1
1
69
28
1901
1953
1966
1966
1898
1939
1967
1967
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

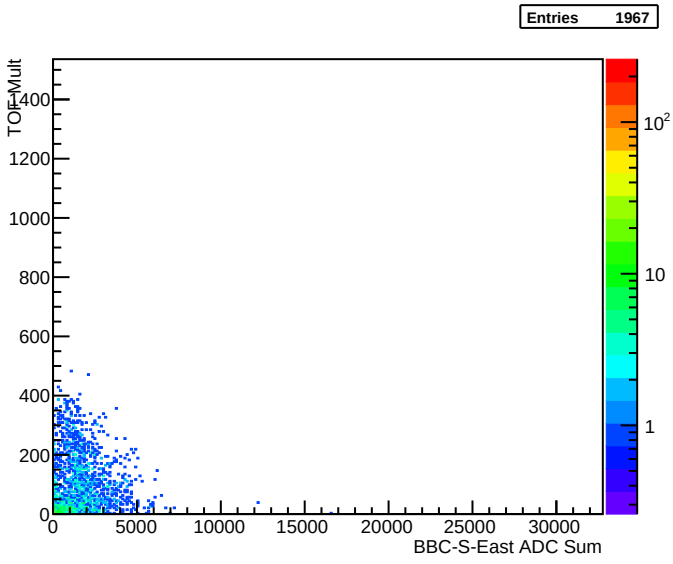

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

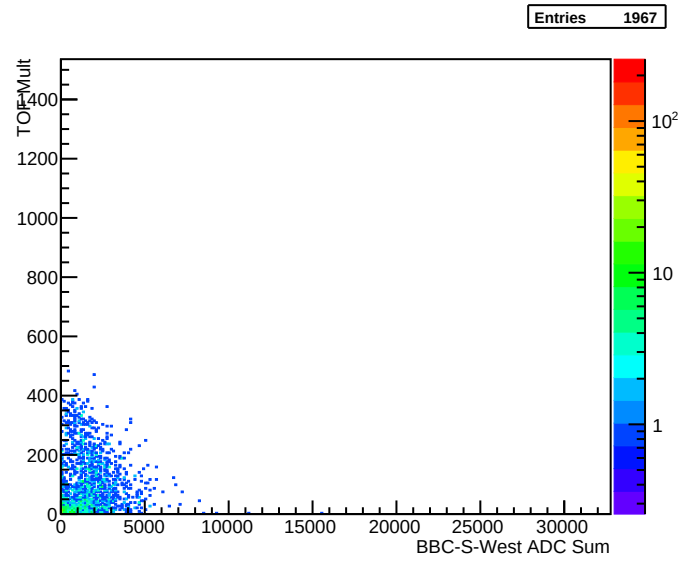

VT201 Input Ch4: VPD Tac Diff
Entries 1967
Tac

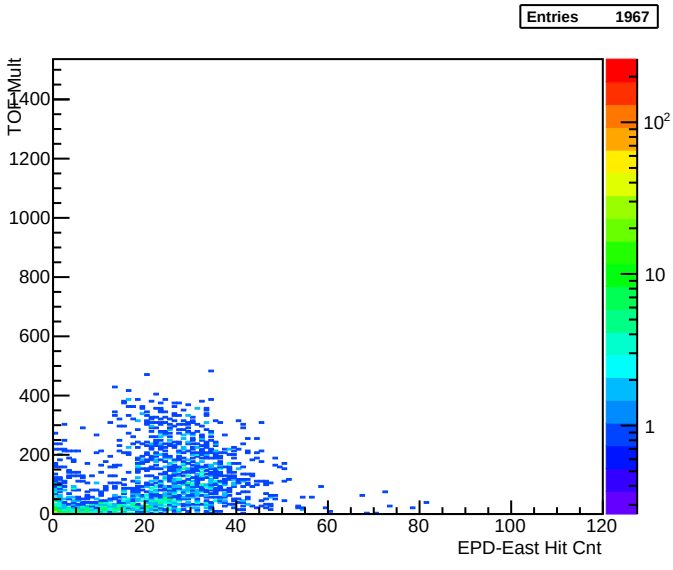

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

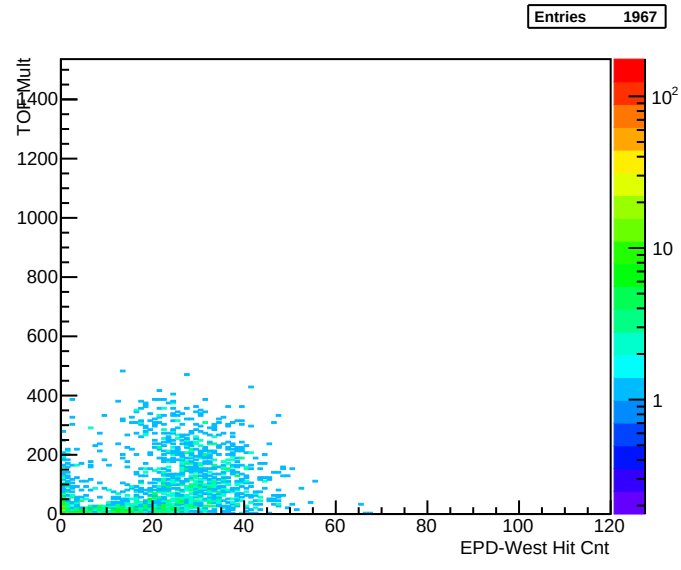

VT201 Input Ch4: VPD Adc Sum Th
Entries 3934
1857
1857
110
110
East
West

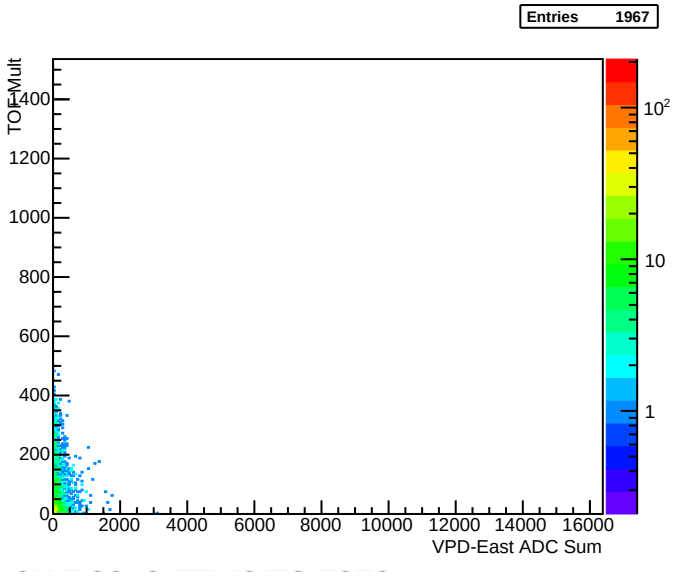

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

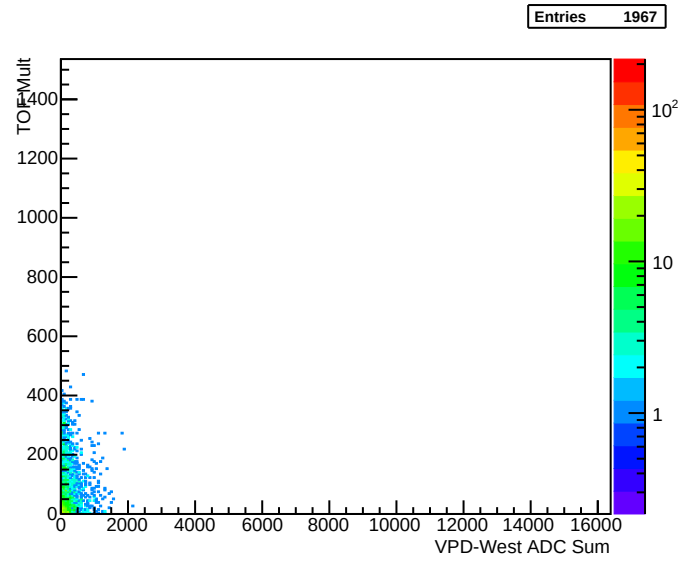

Entries 1967
TOF-Mult
BBC-S-East ADC Sum

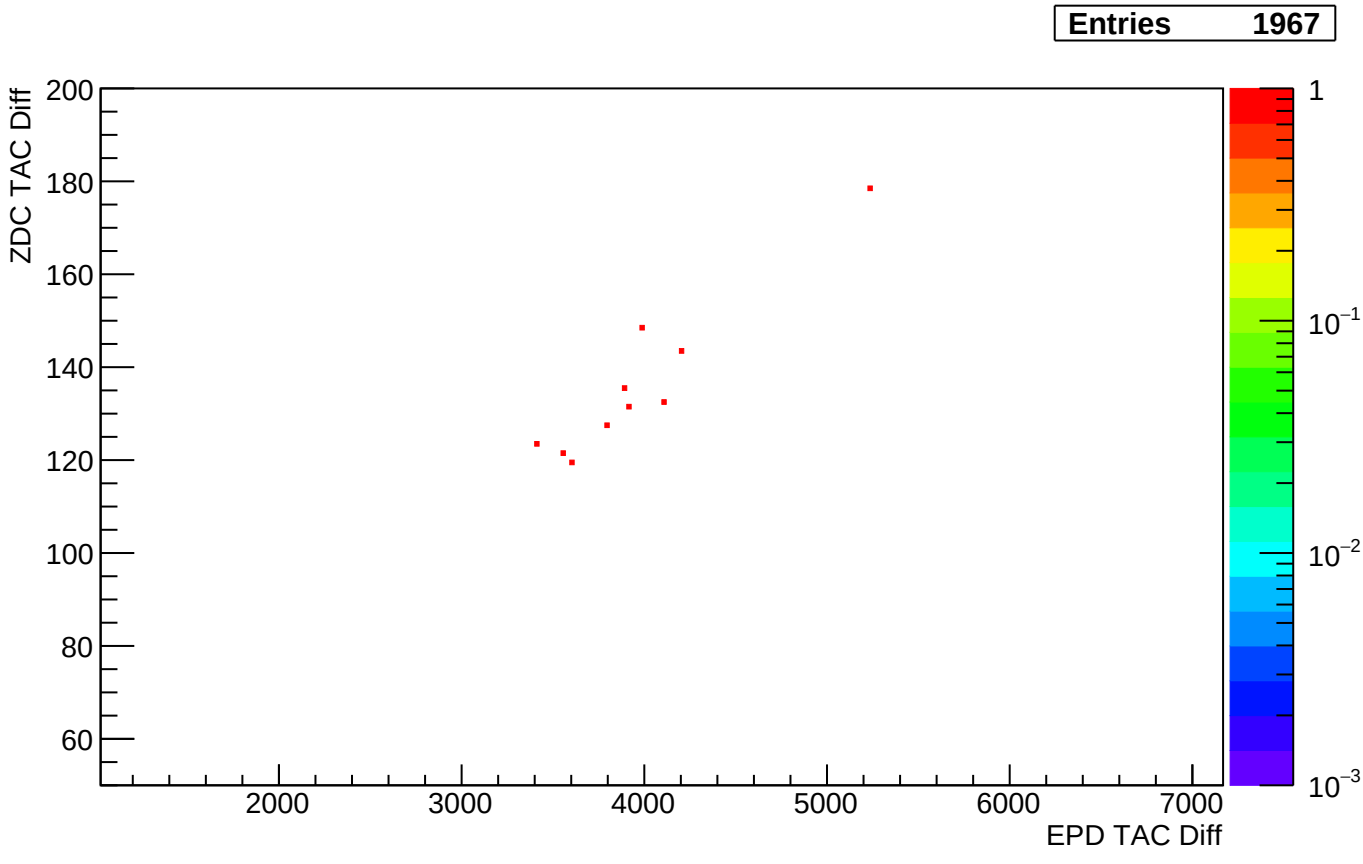

Entries 1967
TOF-Mult
BBC-S-West ADC Sum

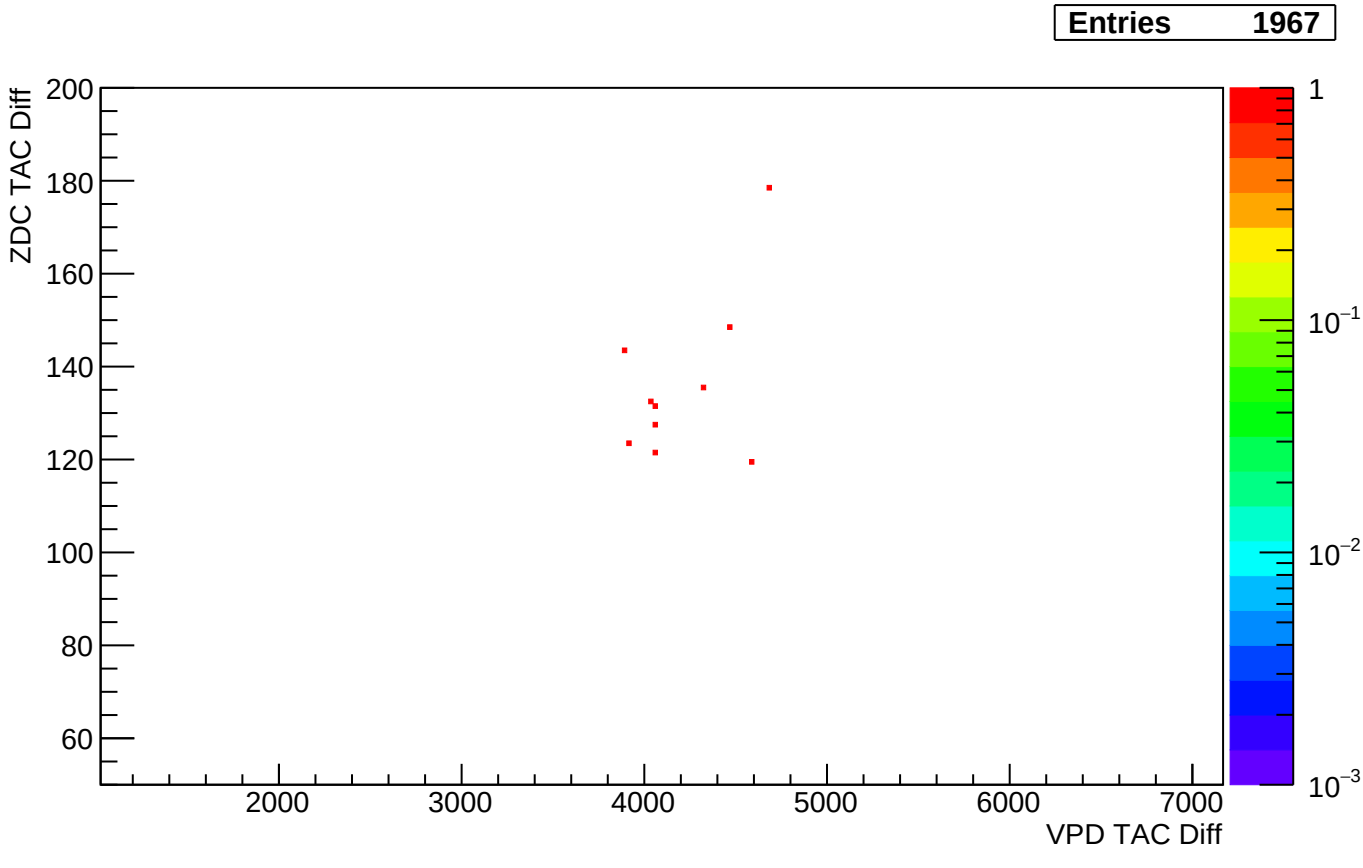

Entries 1967
TOF-Mult
EPD-East Hit Cnt

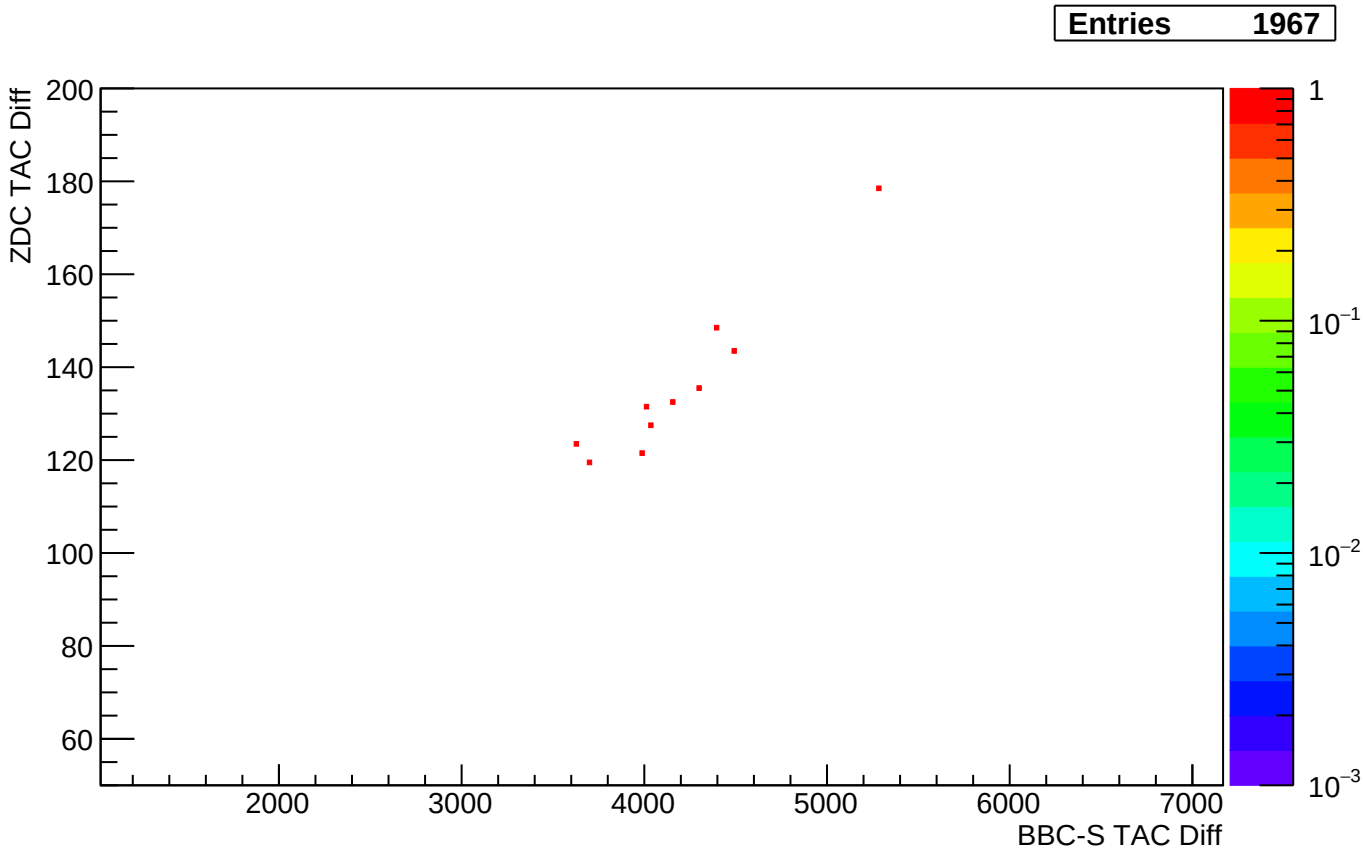

Entries 1967
TOF-Mult
EPD-West Hit Cnt

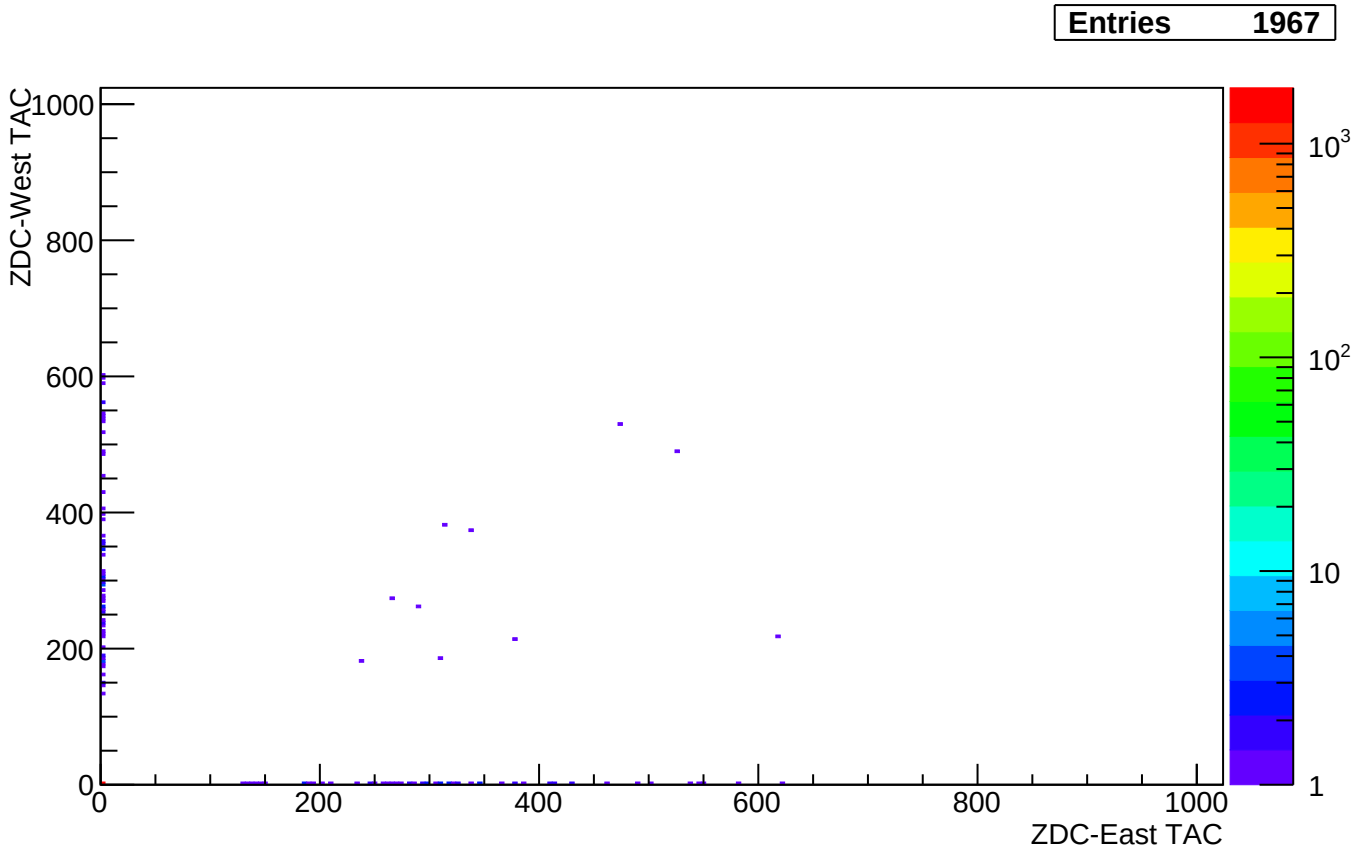

Entries 1967
TOF-Mult
VPD-East ADC Sum

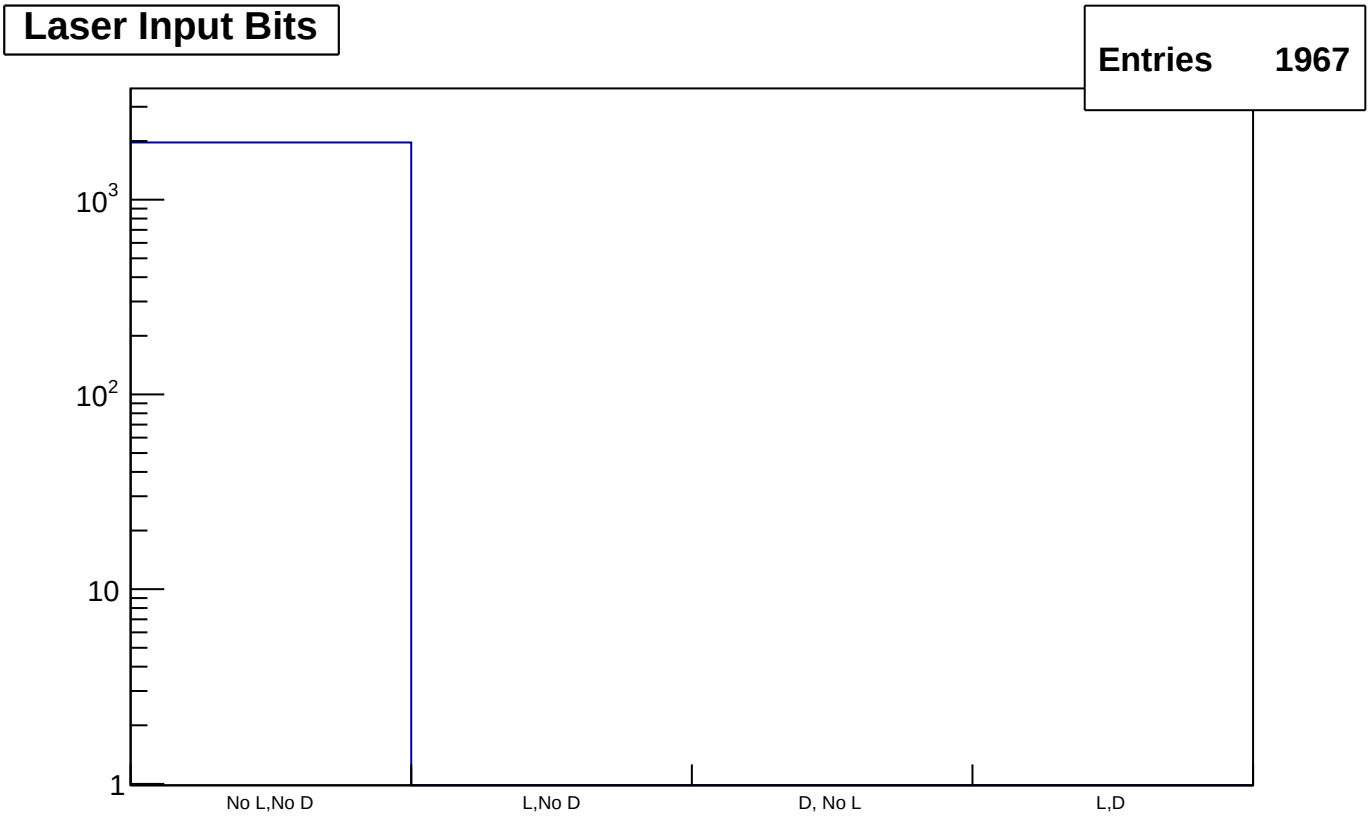

Entries 1967
TOF-Mult
VPD-West ADC Sum

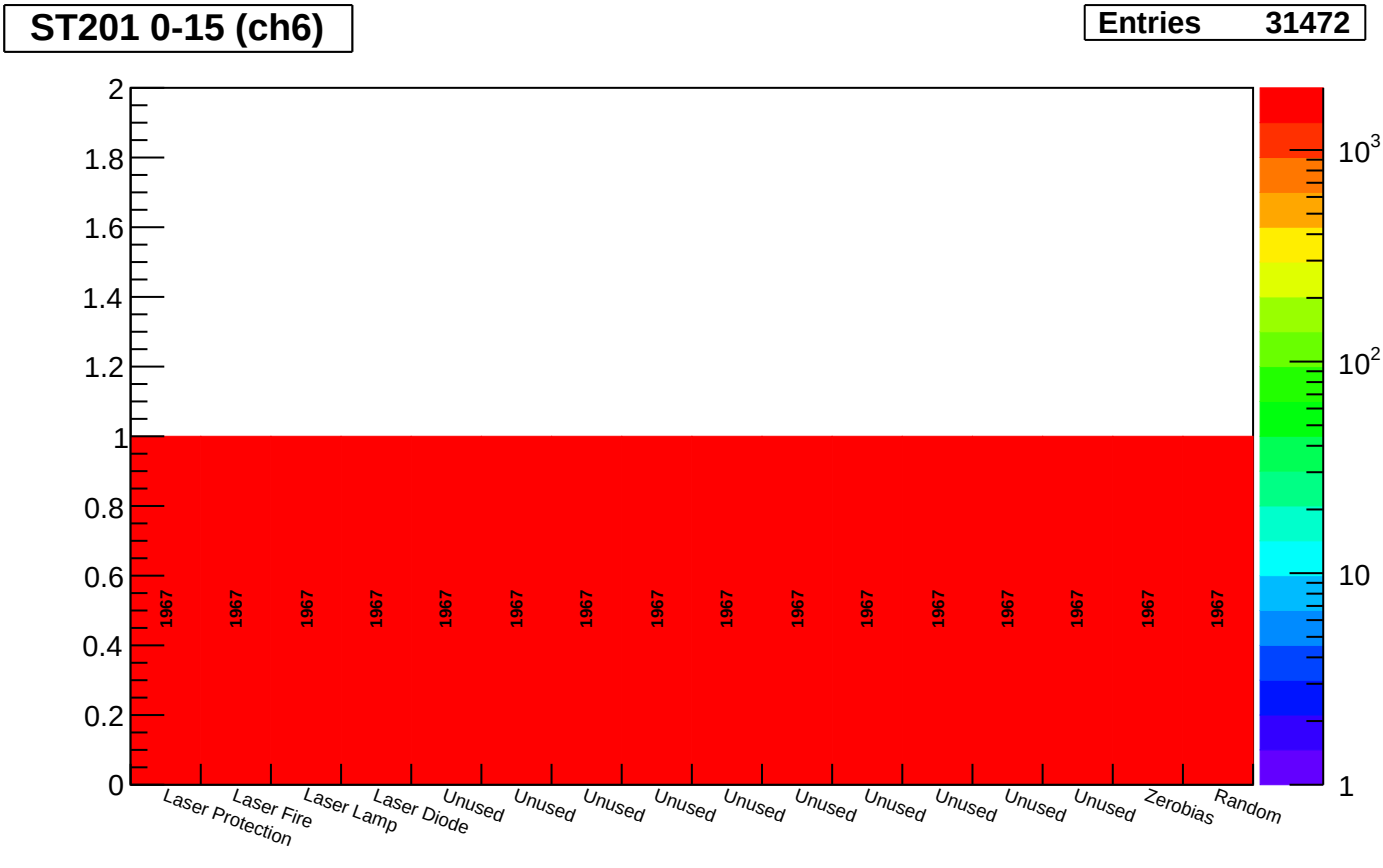

Entries 1967
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

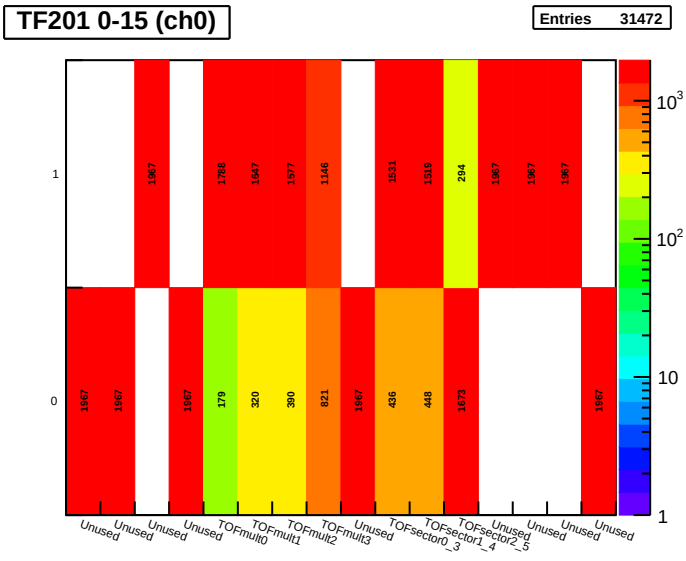

Entries 1967
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

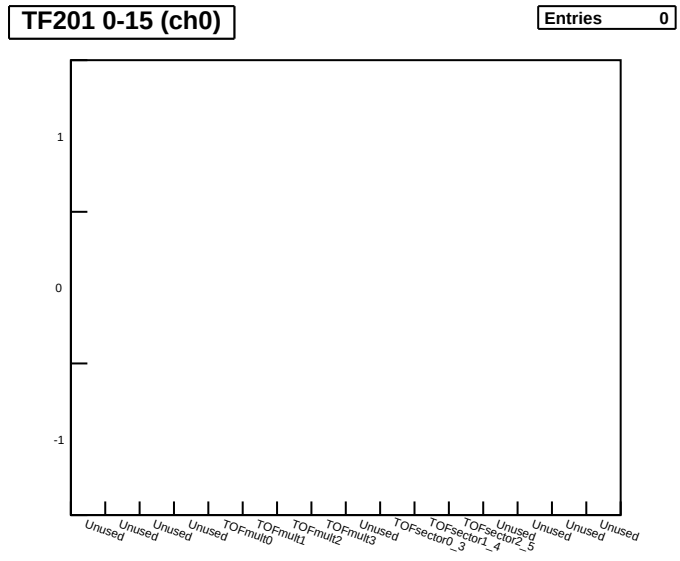

Entries 1967
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

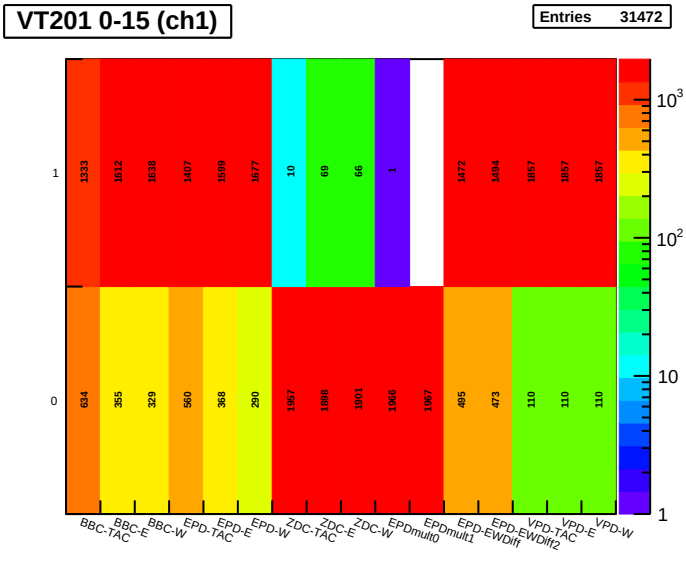

Entries 1967
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^3
10^2
10
1

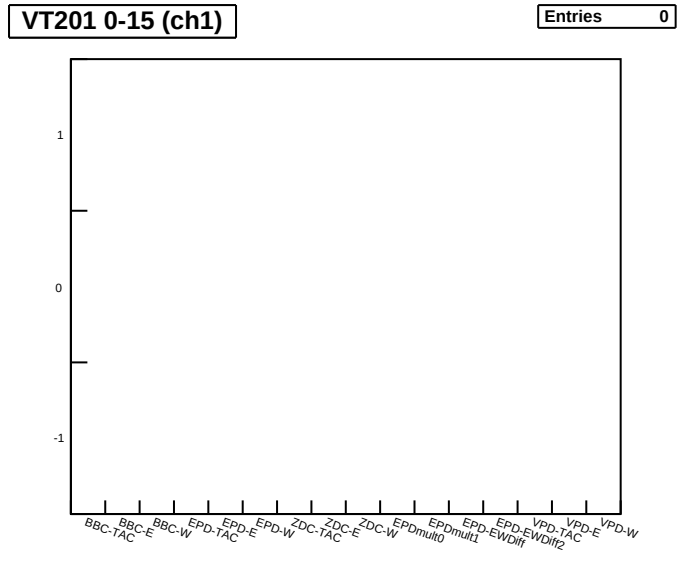

Laser Input Bits
Entries 1967
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

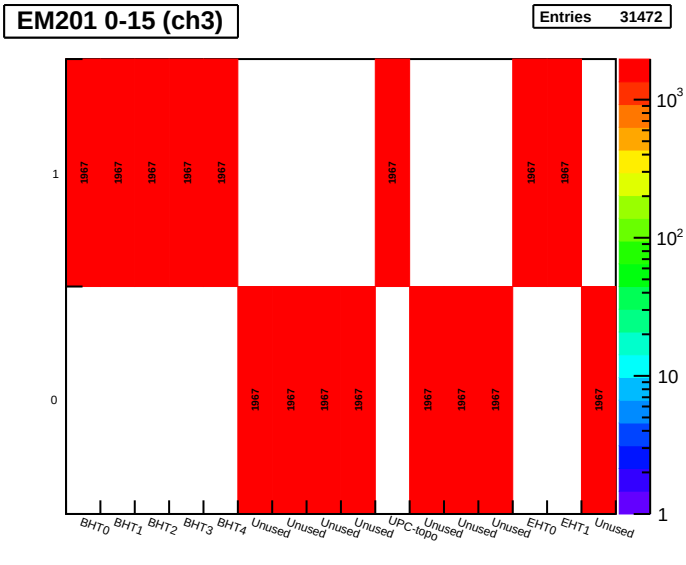

ST201 0-15 (ch6)
Entries 31472
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1967
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

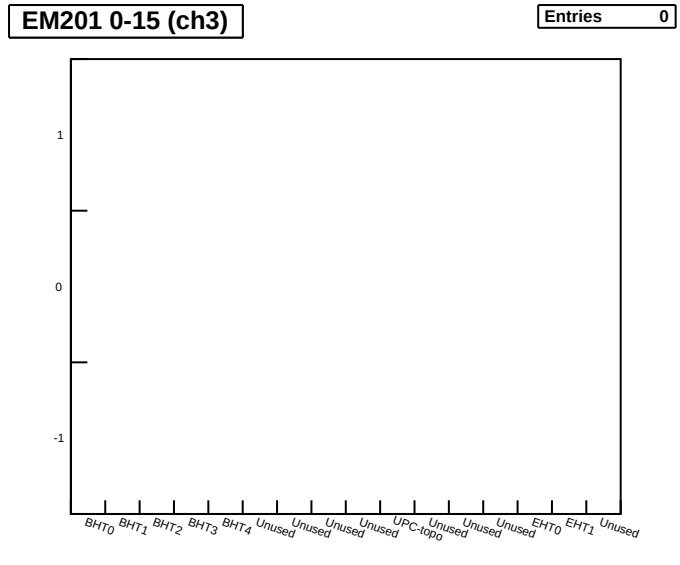

TF201 0-15 (ch0)
Entries 31472
1 1967 1788 1647 1577 1146 1531 1519 294 1967 1967 1967
0 1967 1967 1967 179 320 390 821 1967 436 448 1673 1967
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 0


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 31472
1 1333 1612 1638 1407 1599 1677 10 69 66 1 1472 1494 1857 1857 1857
0 634 355 329 560 368 290 1957 1898 1901 1966 1967 495 473 110 110 110
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
1 0


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 31472
1 1967 1967 1967 1967 1967 1967 1967 1967
0 1967 1967 1967 1967 1967 1967 1967 1967
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 0


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