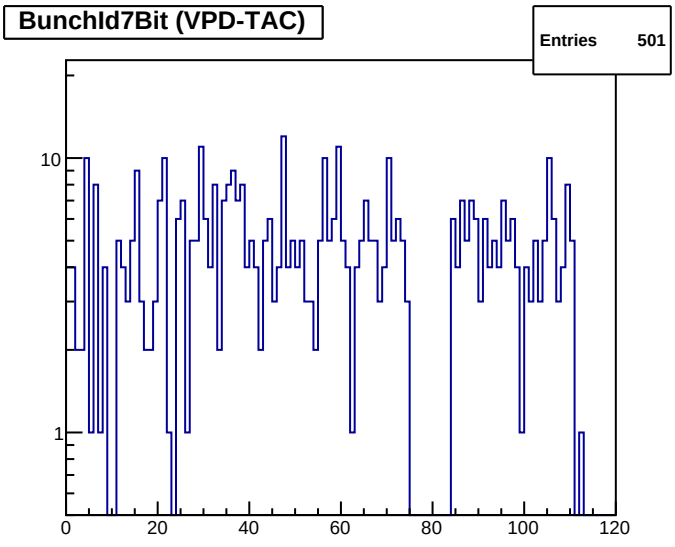
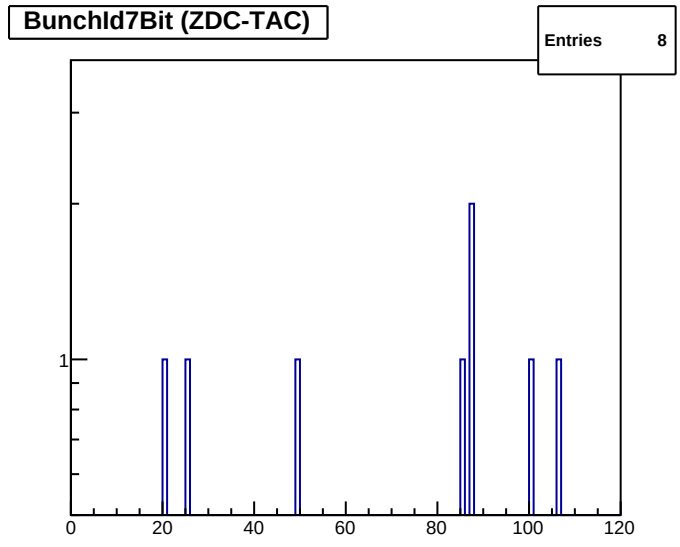
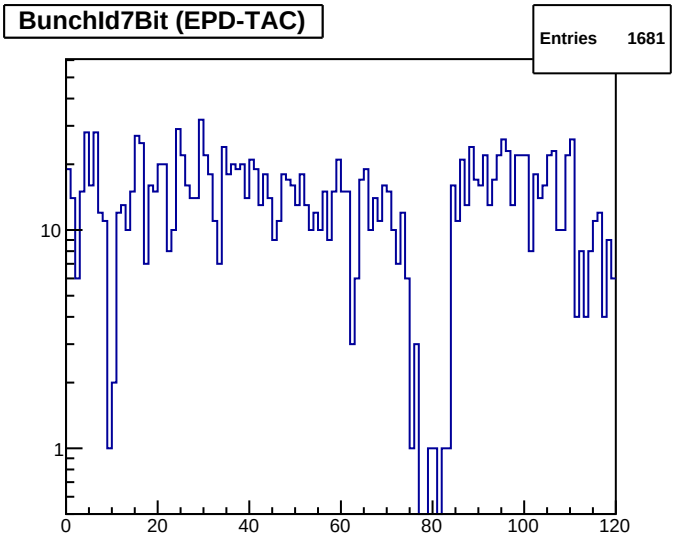
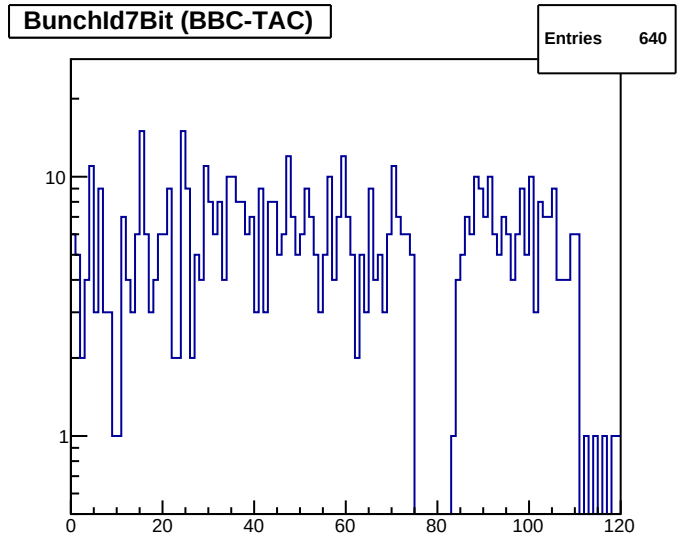
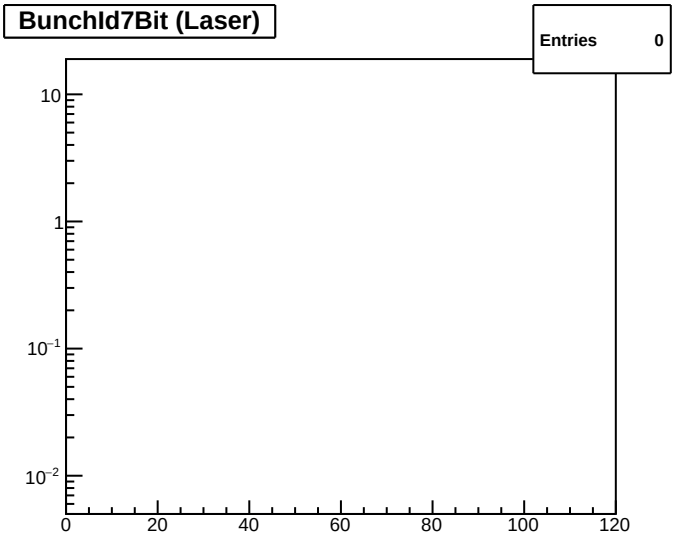
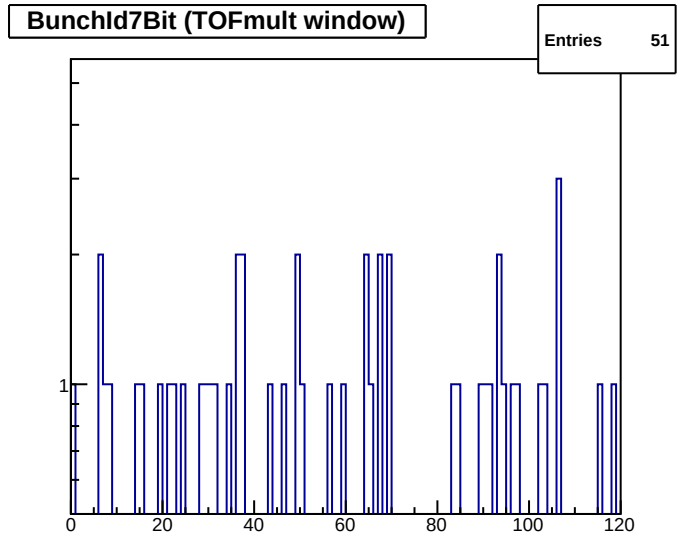

BunchId7Bit (VPD-TAC)
Entries 501
10
1
0
20
40
60
80
100
120

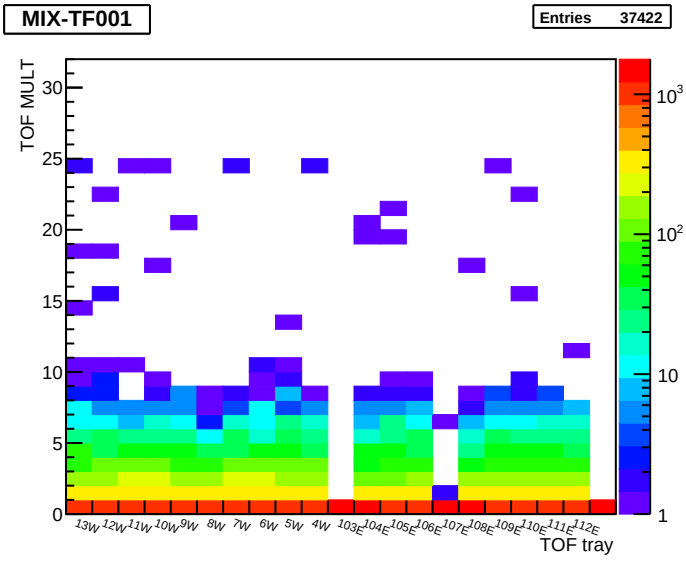

BunchId7Bit (ZDC-TAC)
Entries 8
1
0
20
40
60
80
100
120

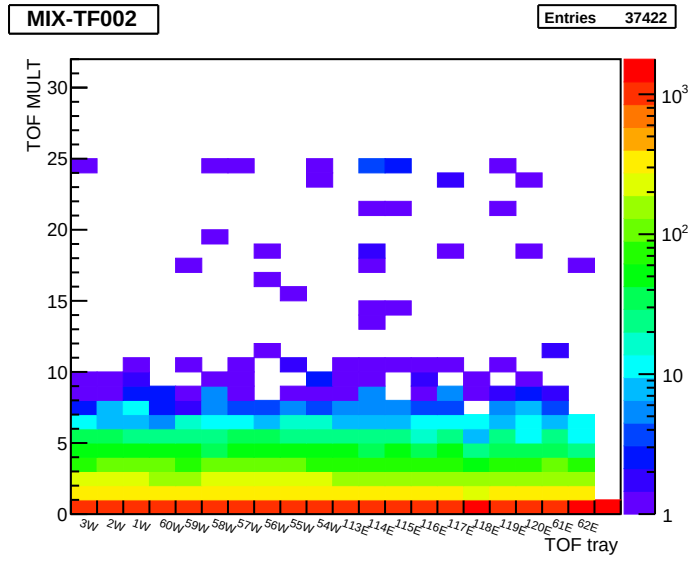

BunchId7Bit (EPD-TAC)
Entries 1681
10
1
0
20
40
60
80
100
120

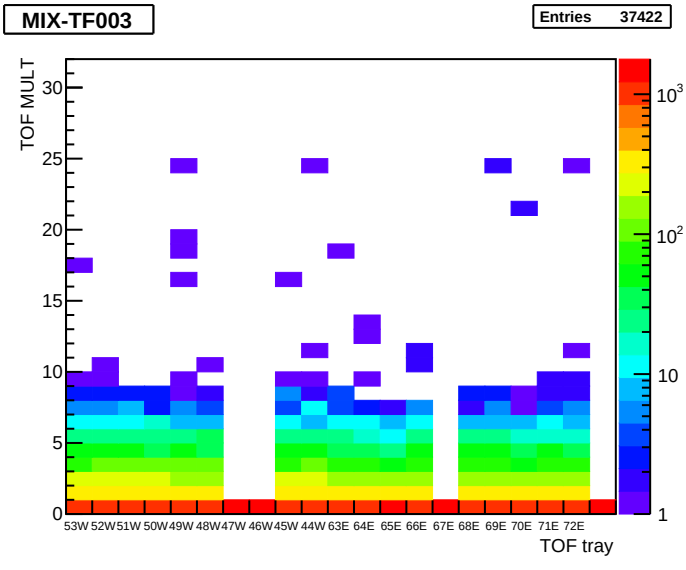

BunchId7Bit (BBC-TAC)
Entries 640
10
1
0
20
40
60
80
100
120

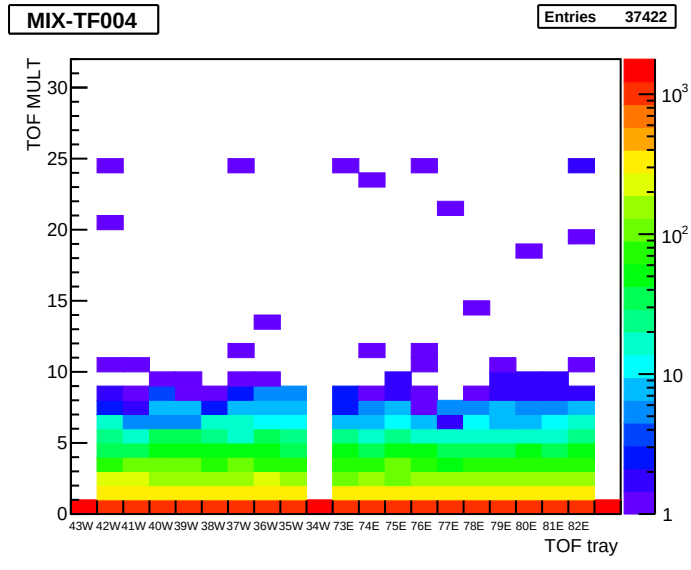

BunchId7Bit (Laser)
Entries 0
10
1
10⁻¹
10⁻²
0
20
40
60
80
100
120

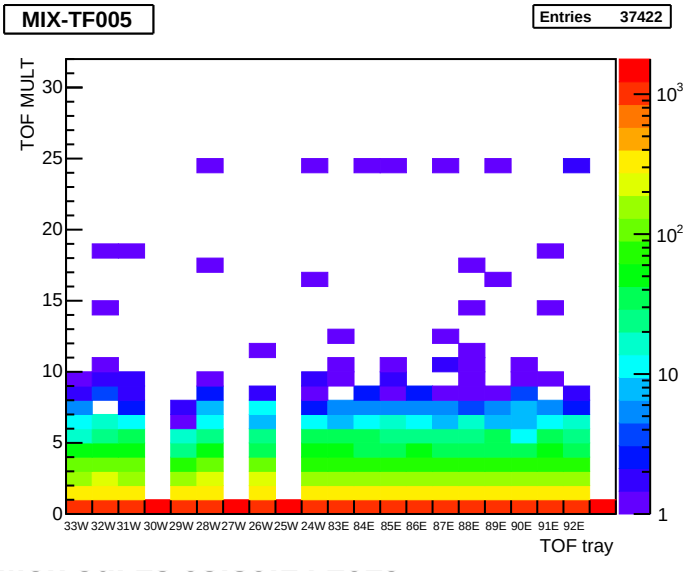

BunchId7Bit (TOFmult window)
Entries 51
1
0
20
40
60
80
100
120

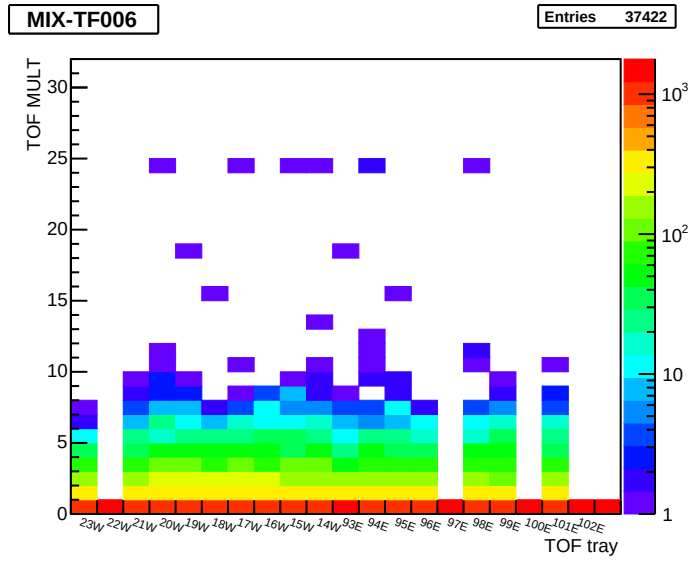

MIX-TF001
Entries 37422
TOF MULT
TOF tray

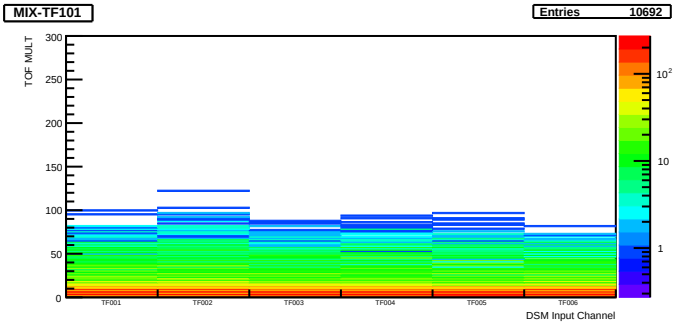

MIX-TF002
Entries 37422
TOF MULT
TOF tray

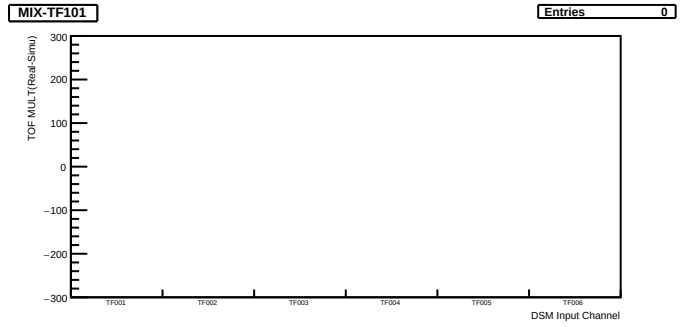

MIX-TF003
Entries 37422
TOF MULT
TOF tray

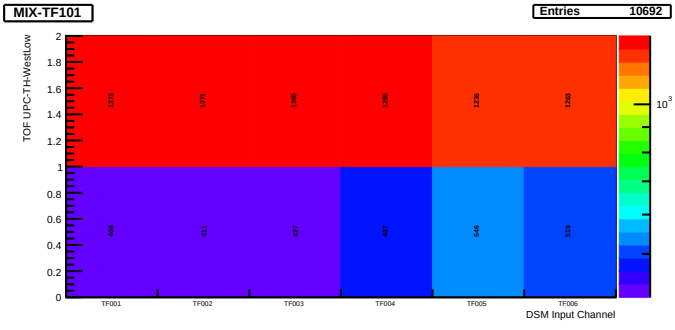

MIX-TF004
Entries 37422
TOF MULT
TOF tray

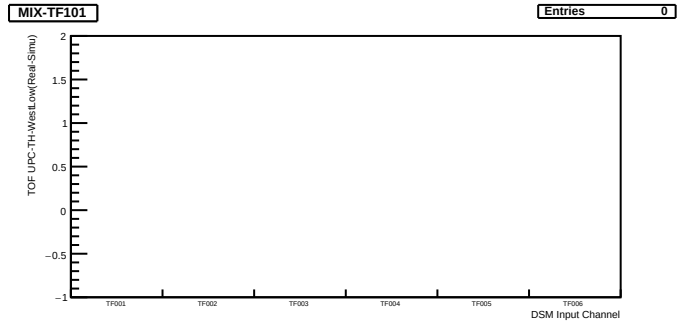

MIX-TF005
Entries 37422
TOF MULT
TOF tray

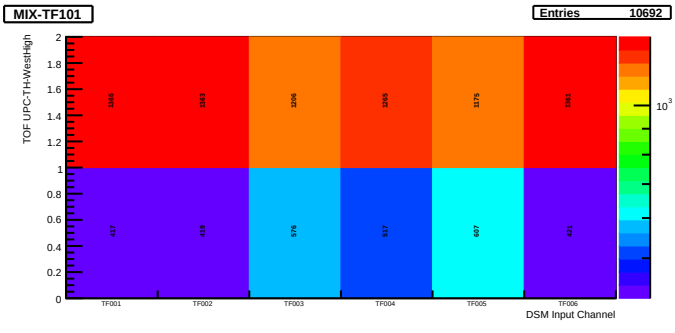

MIX-TF006
Entries 37422
TOF MULT
TOF tray

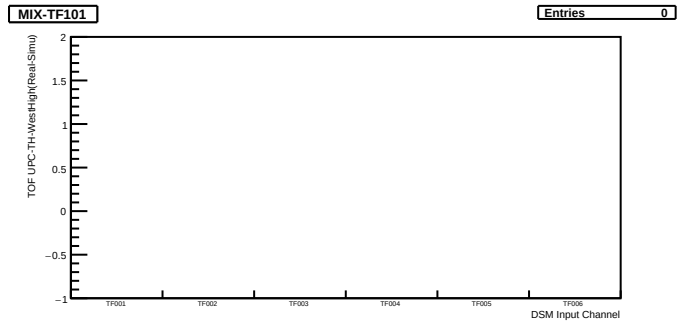

MIX-TF101
Entries 10692
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

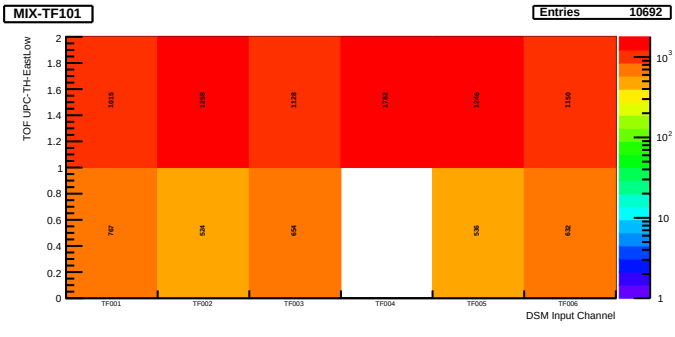

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

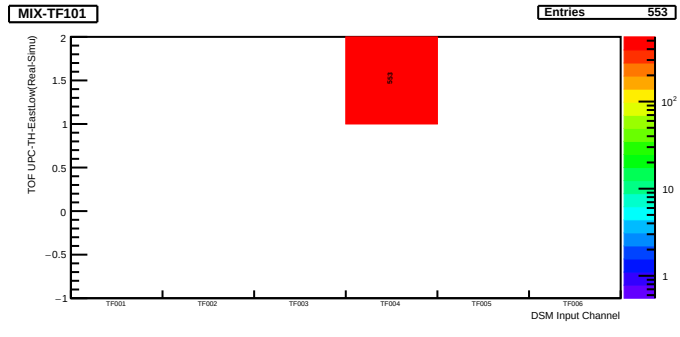

MIX-TF101
Entries 10692
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

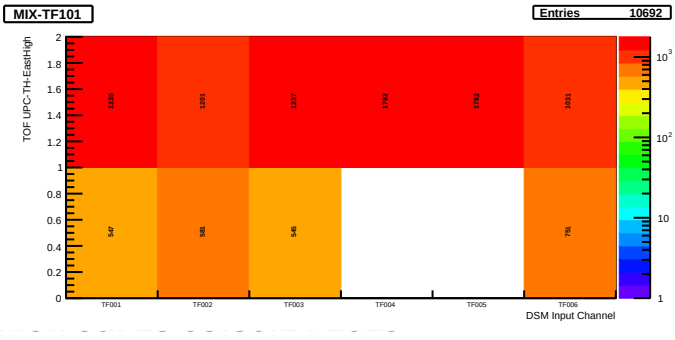

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

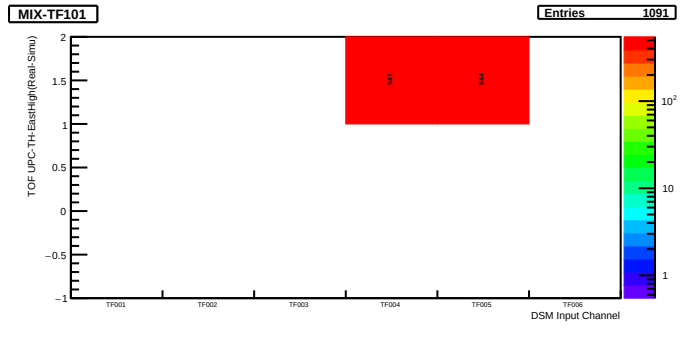

MIX-TF101
Entries 10692
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

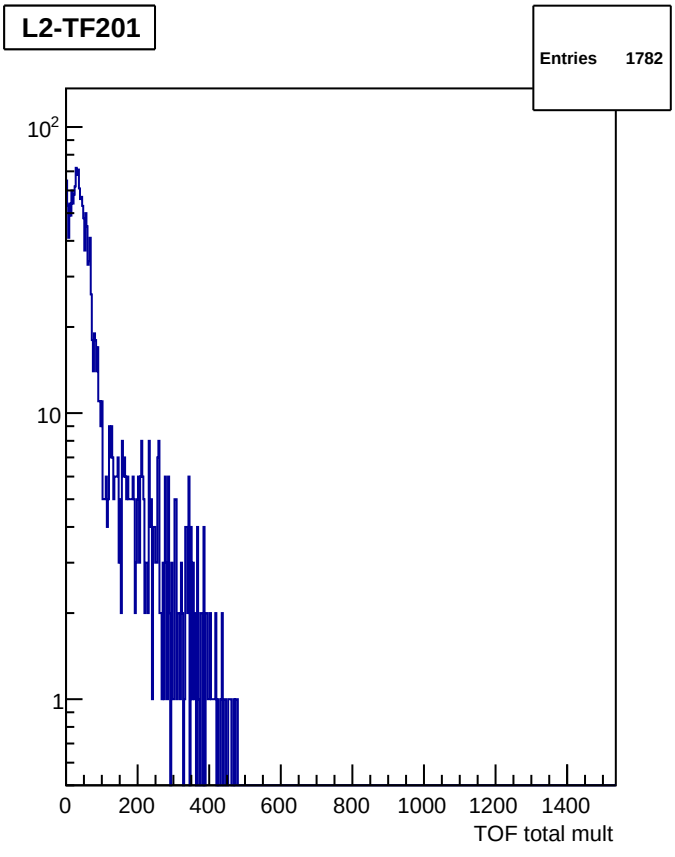

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

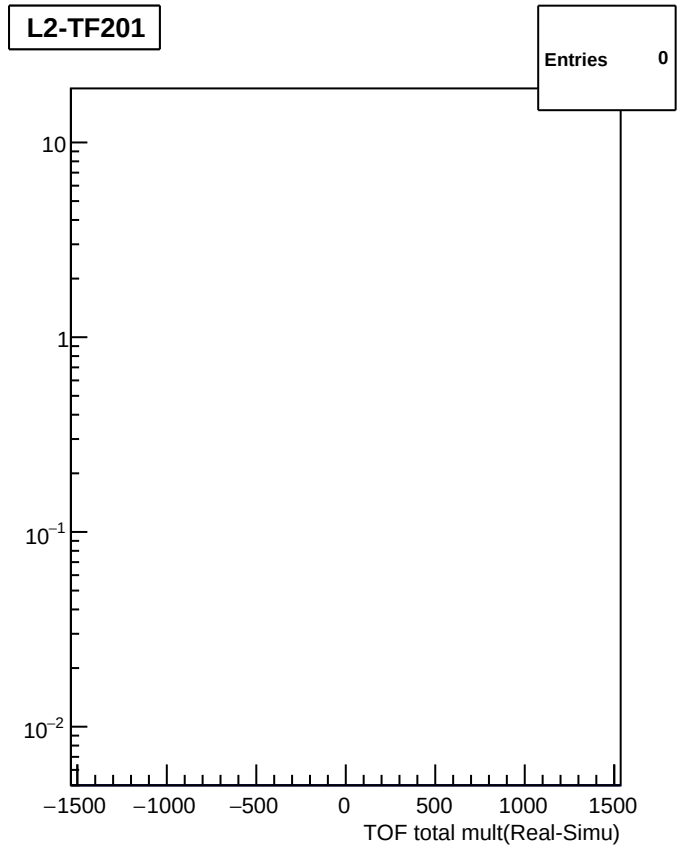

MIX-TF101
Entries 10692
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

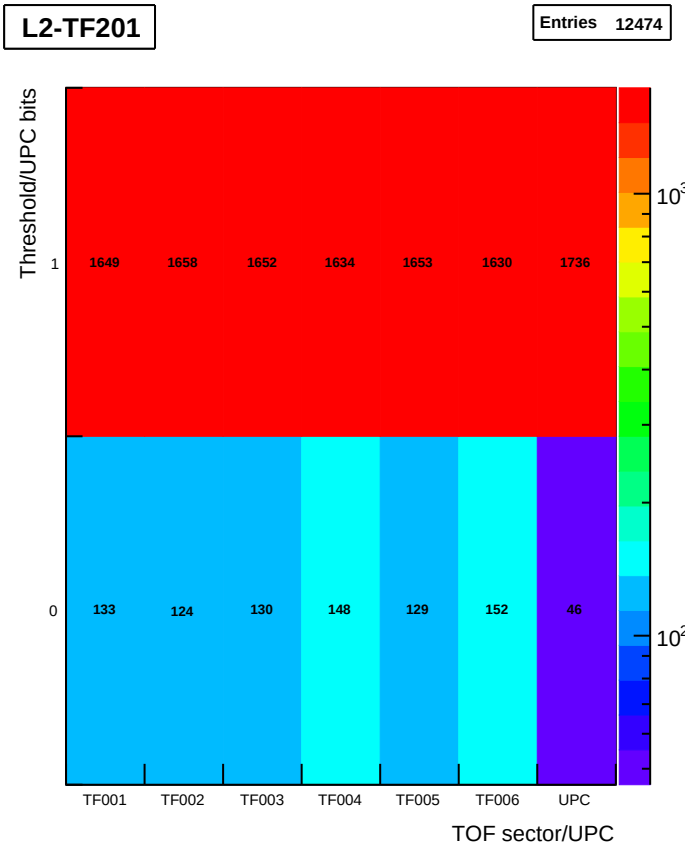

MIX-TF101
Entries 553
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

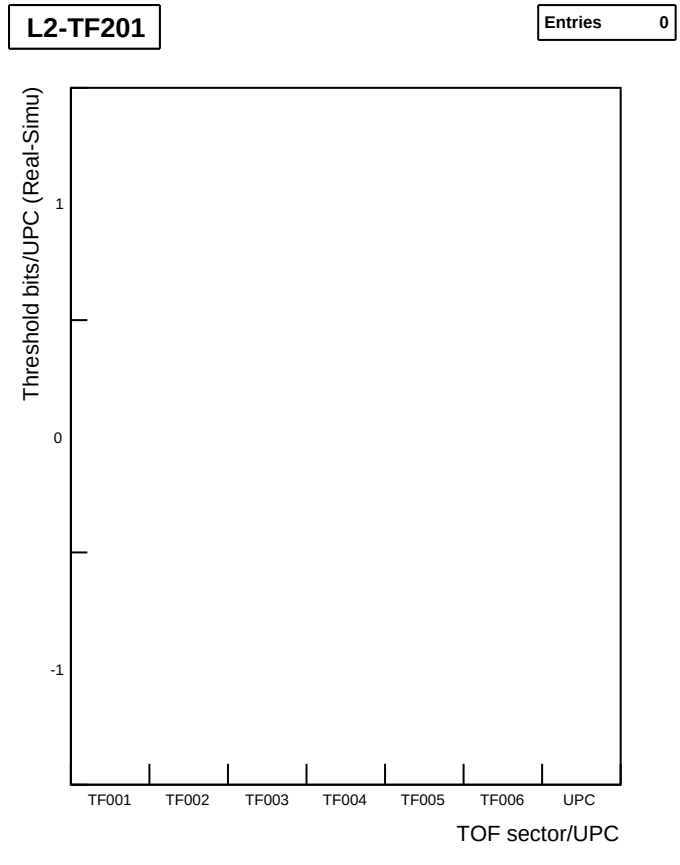

MIX-TF101
Entries 10692
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

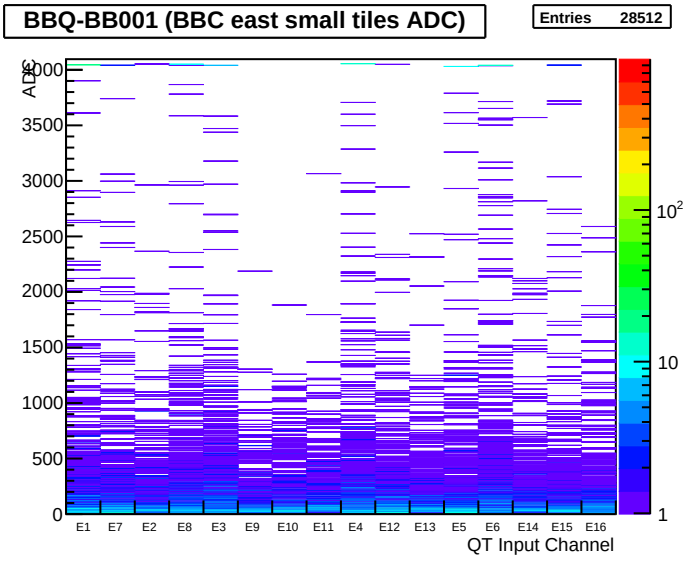

MIX-TF101
Entries 1091
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

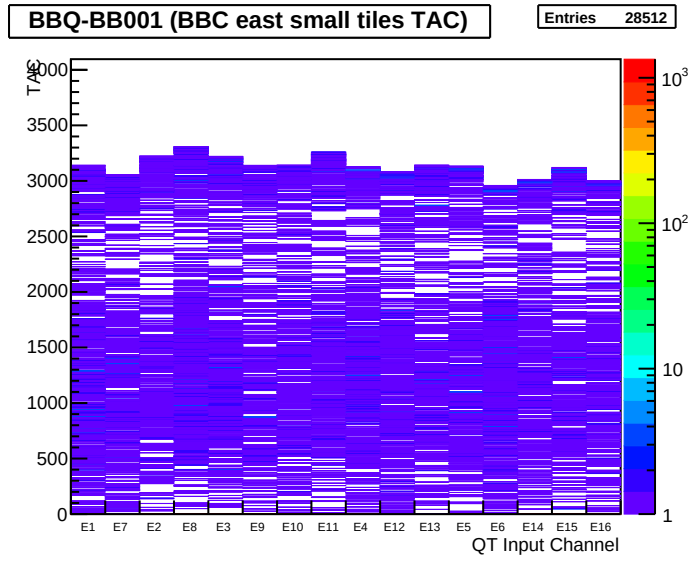

L2-TF201
Entries 1782
TOF total mult

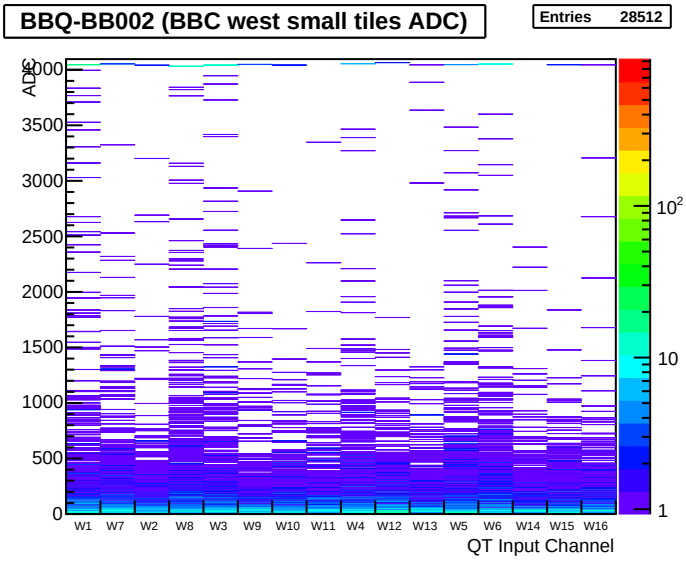

L2-TF201
Entries 0
TOF total mult(Real-Simu)

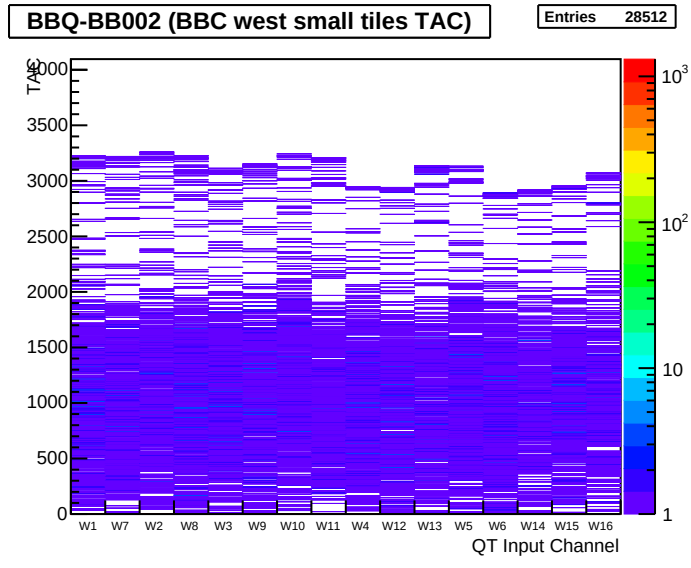

L2-TF201
Entries 12474
Threshold/UPC bits
1649 1658 1652 1634 1653 1630 1736
133 124 130 148 129 152 46
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

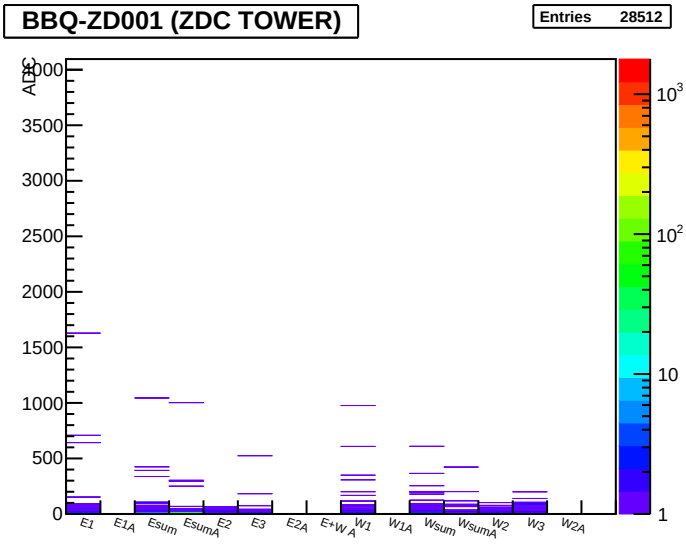

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

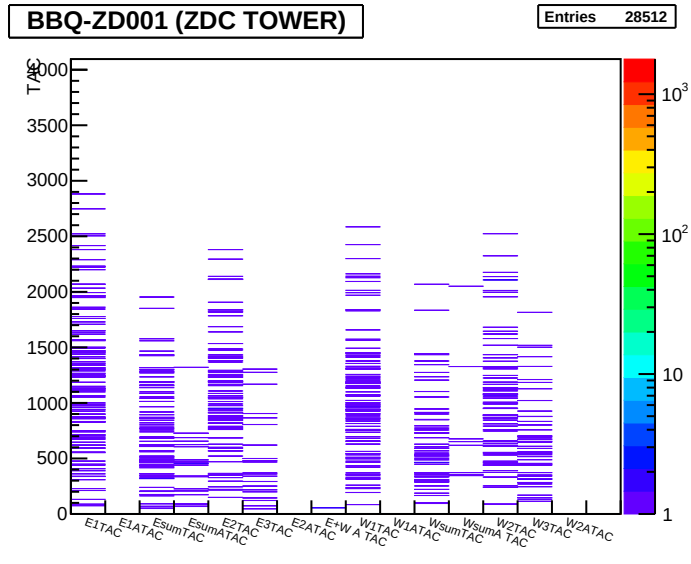

BBQ-BB001 (BBC east small tiles ADC)
Entries 28512
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

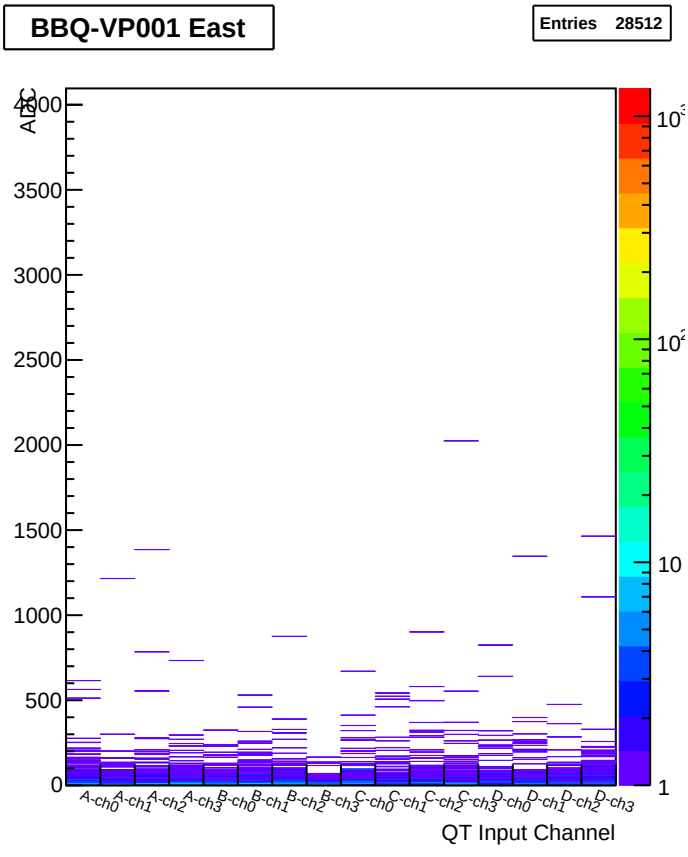

BBQ-BB001 (BBC east small tiles TAC)
Entries 28512
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

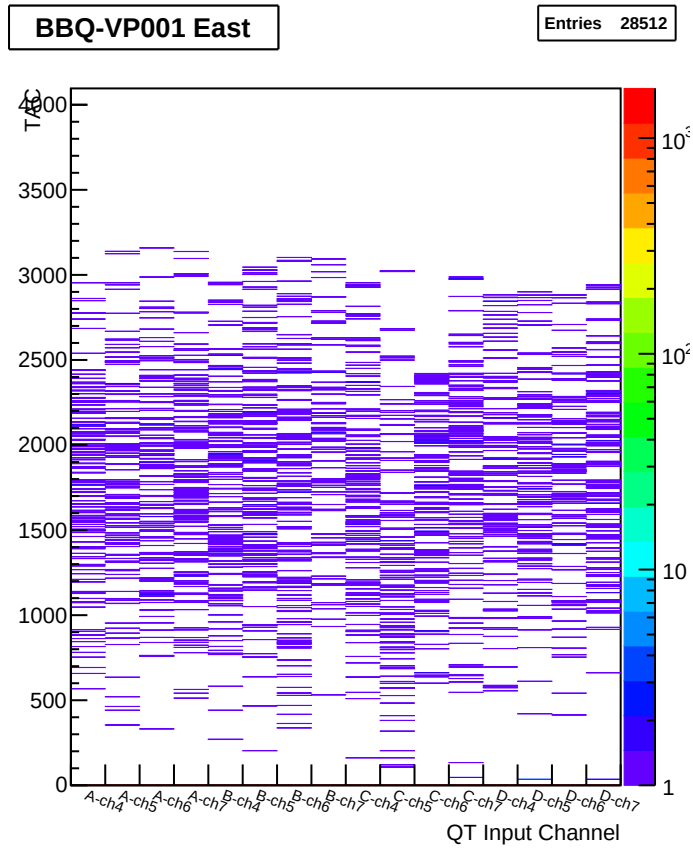

BBQ-BB002 (BBC west small tiles ADC)
Entries 28512
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

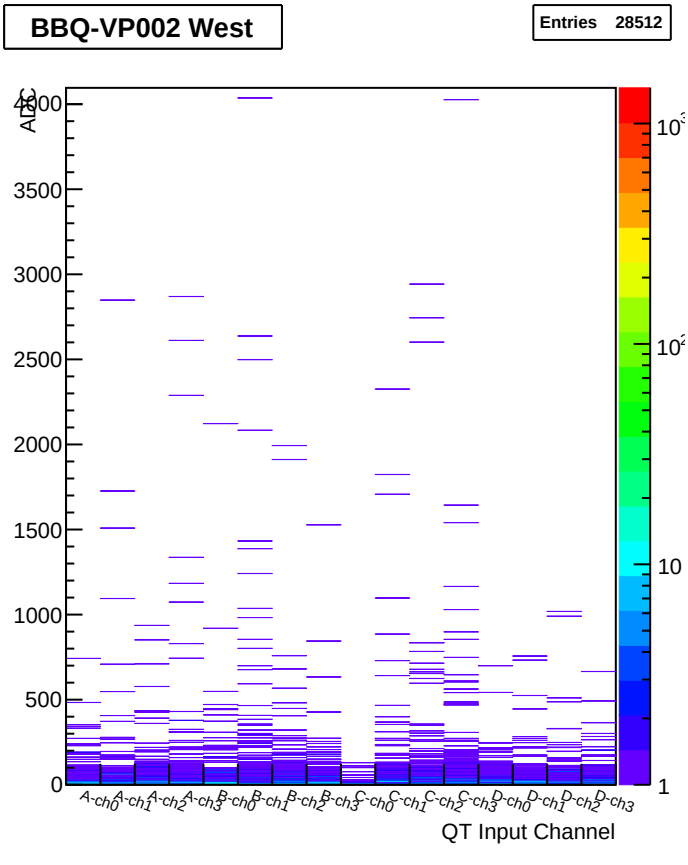

BBQ-BB002 (BBC west small tiles TAC)
Entries 28512
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

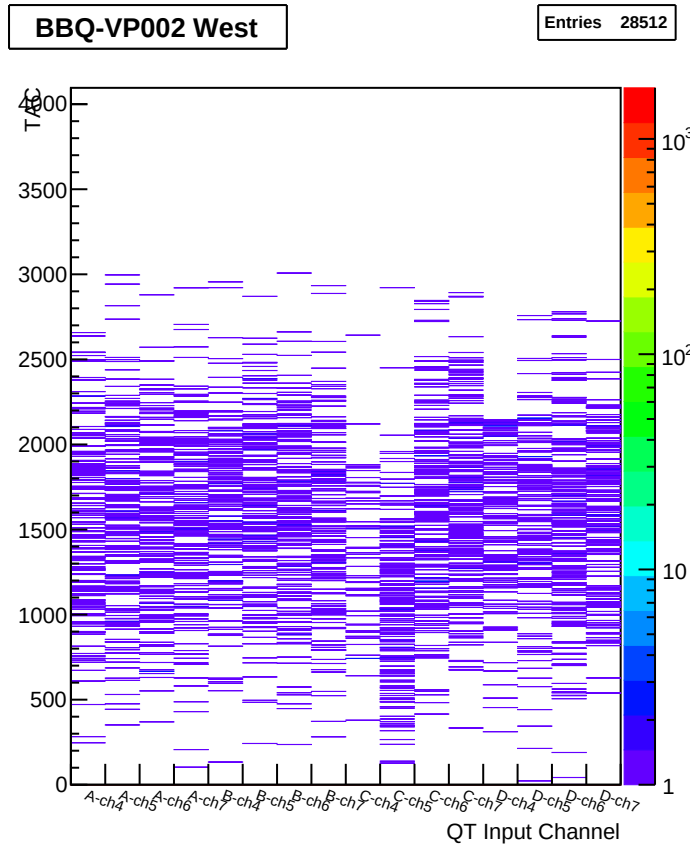

BBQ-ZD001 (ZDC TOWER)
Entries 28512
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

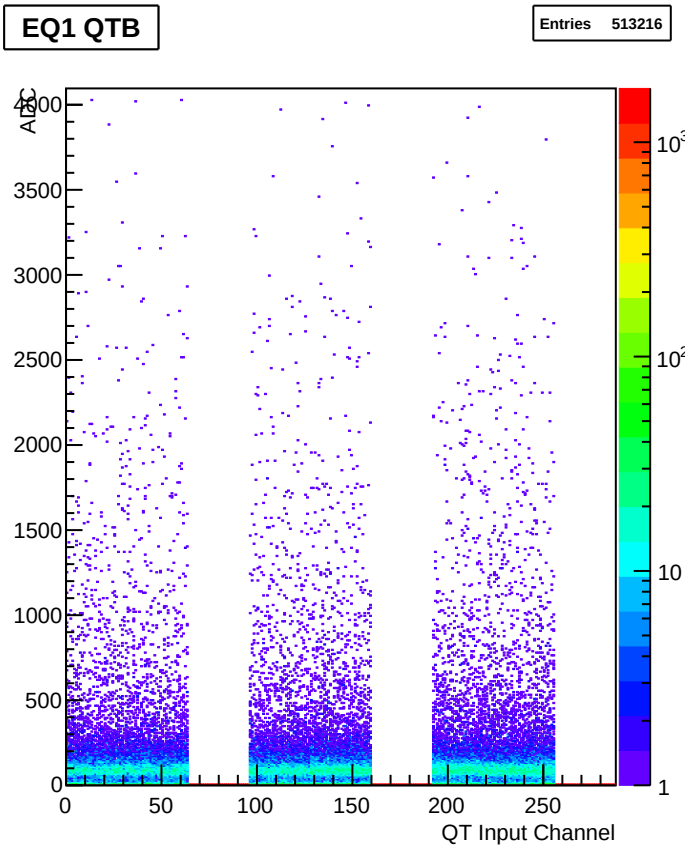

BBQ-ZD001 (ZDC TOWER)
Entries 28512
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

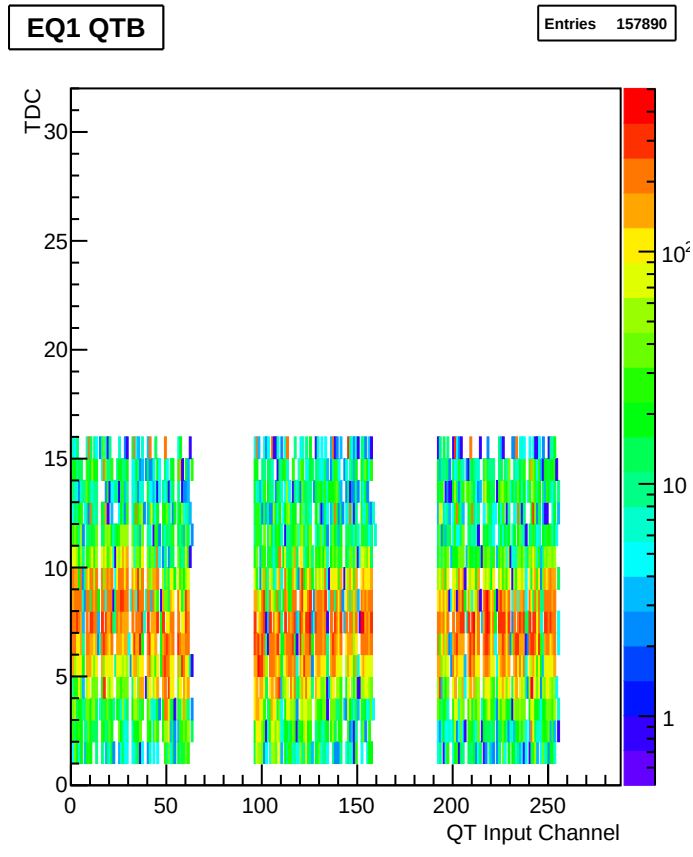

BBQ-VP001 East
Entries 28512
ADC
QT Input Channel

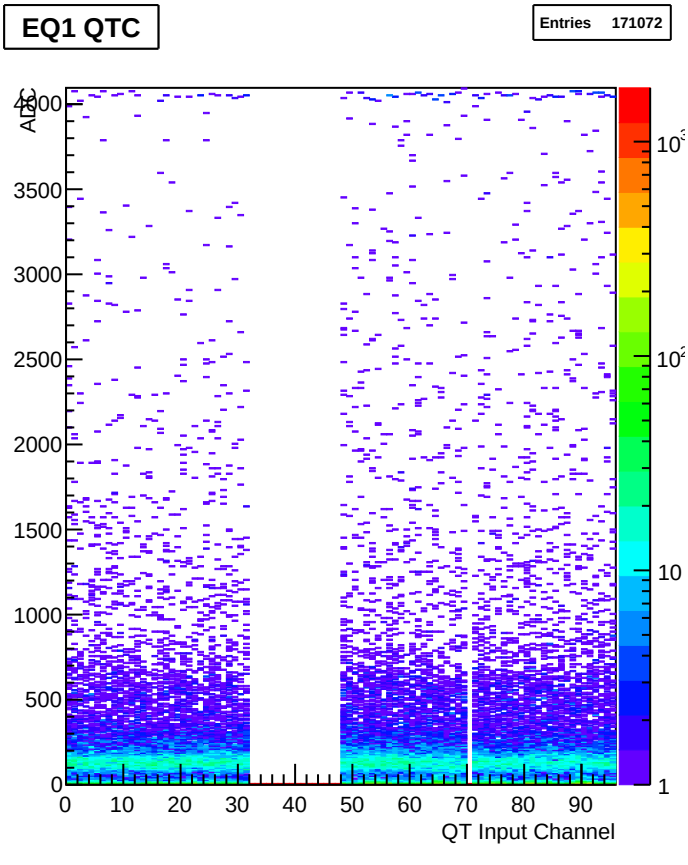

BBQ-VP001 East
Entries 28512
TADC
QT Input Channel

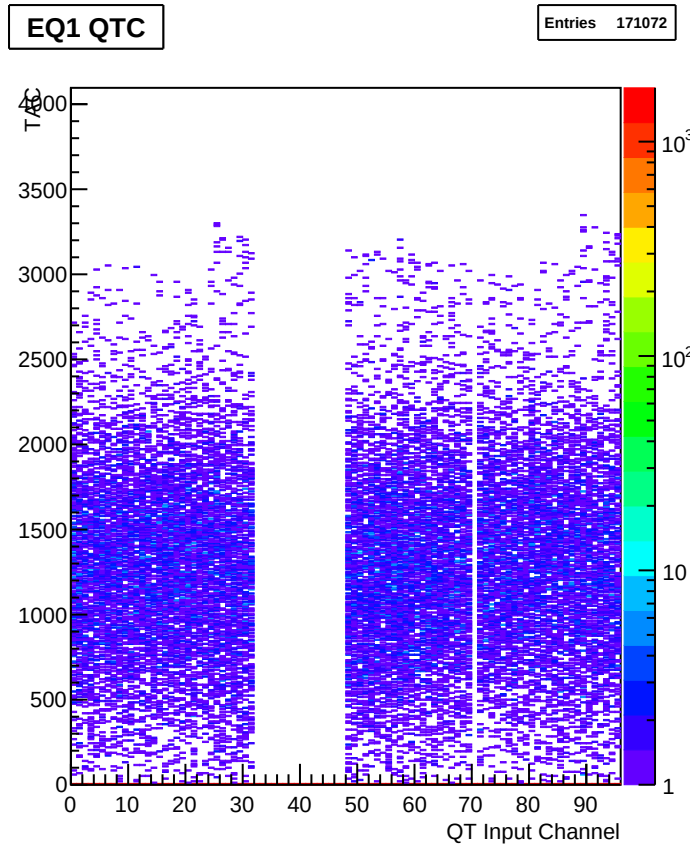

BBQ-VP002 West
Entries 28512
ADC
QT Input Channel

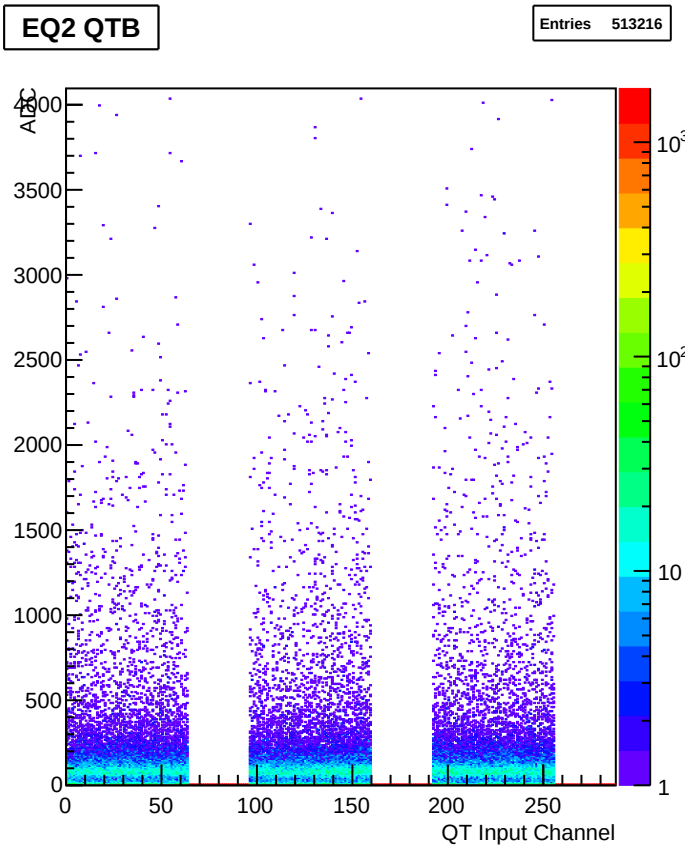

BBQ-VP002 West
Entries 28512
TADC
QT Input Channel

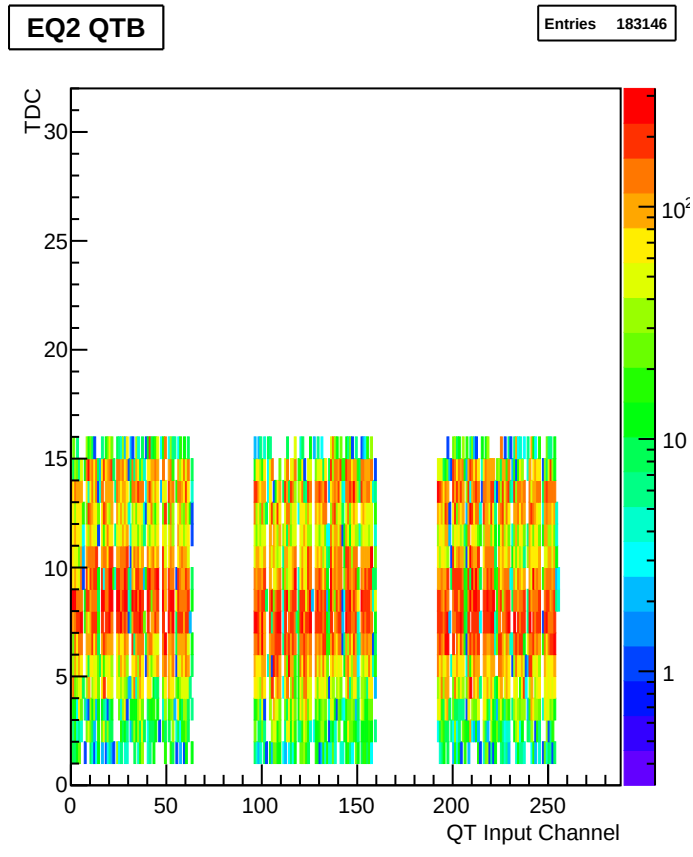

EQ1 QTB
Entries 513216
ADC
QT Input Channel

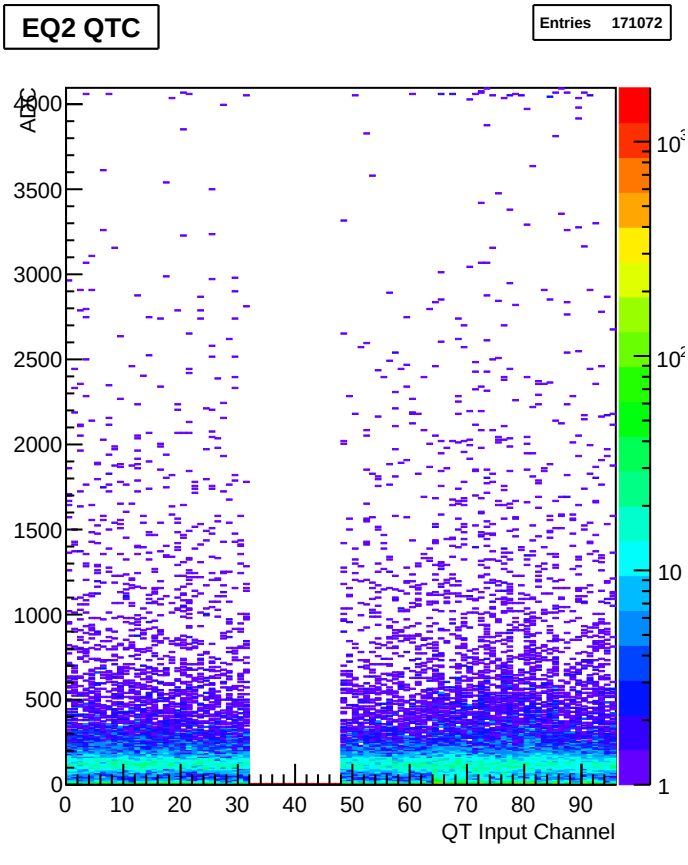

EQ1 QTB
Entries 157890
TDC
QT Input Channel

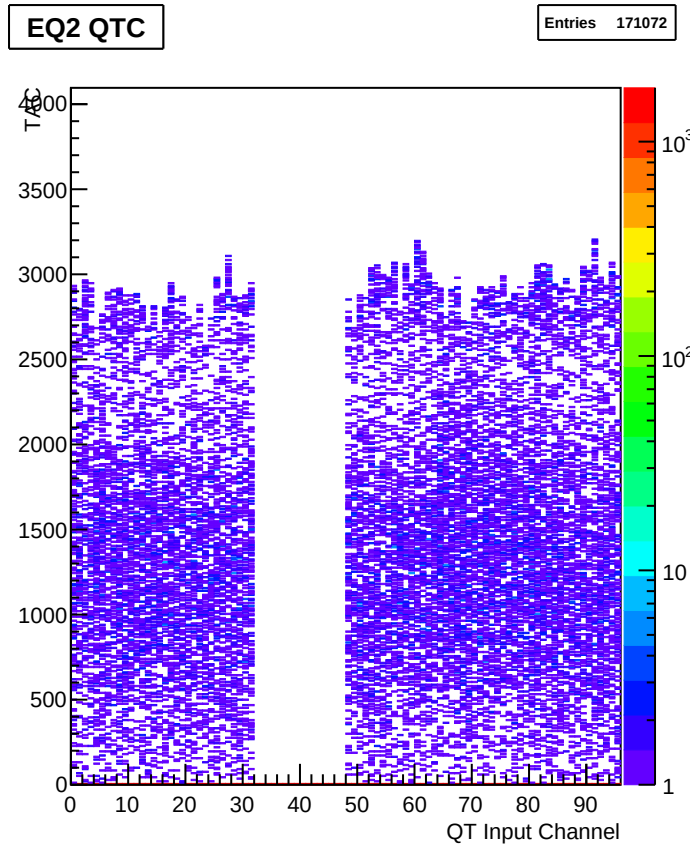

EQ1 QTC
Entries 171072
ADC
QT Input Channel

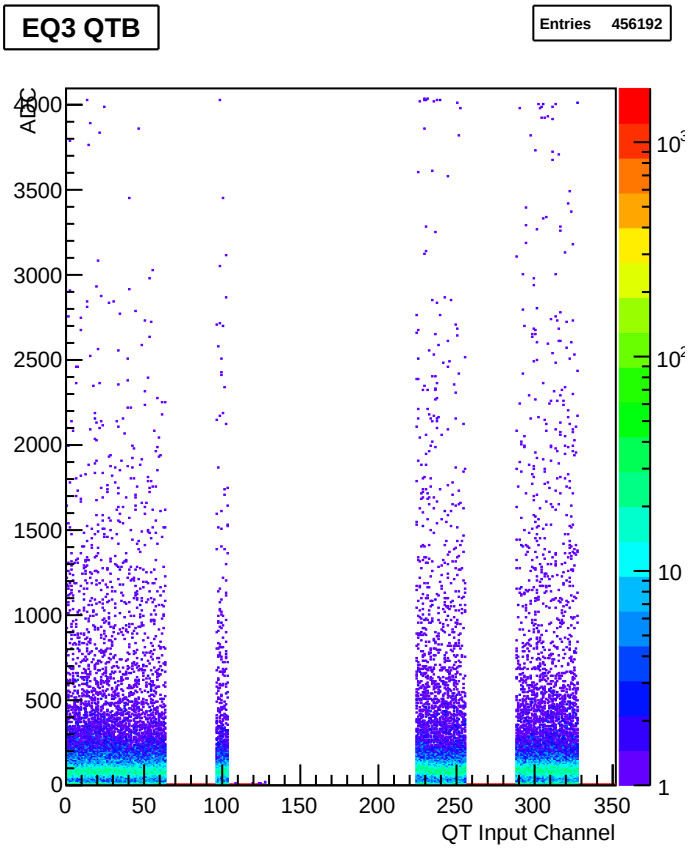

EQ1 QTC
Entries 171072
TADC
QT Input Channel

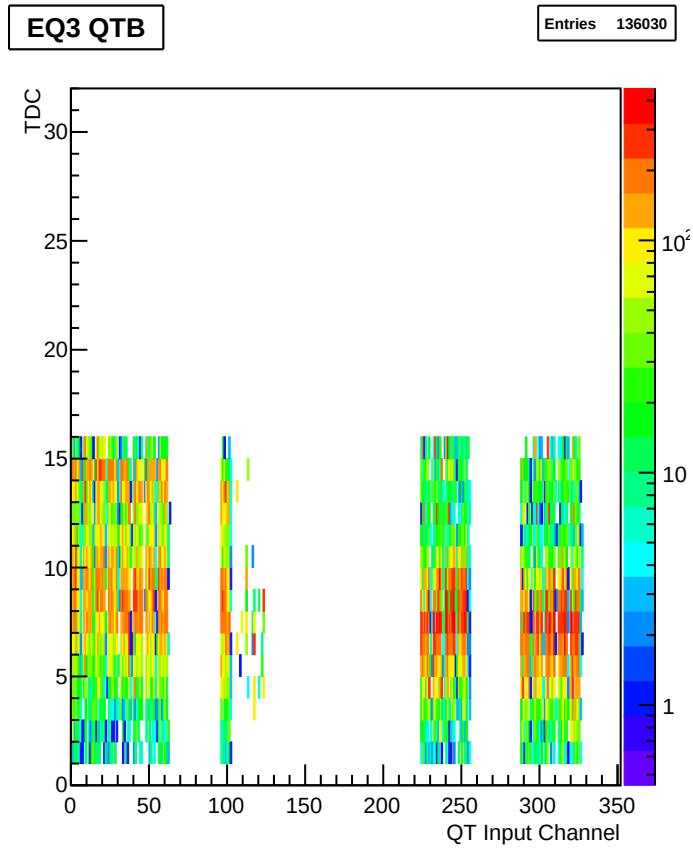

EQ2 QTB
Entries 513216
ADC
QT Input Channel

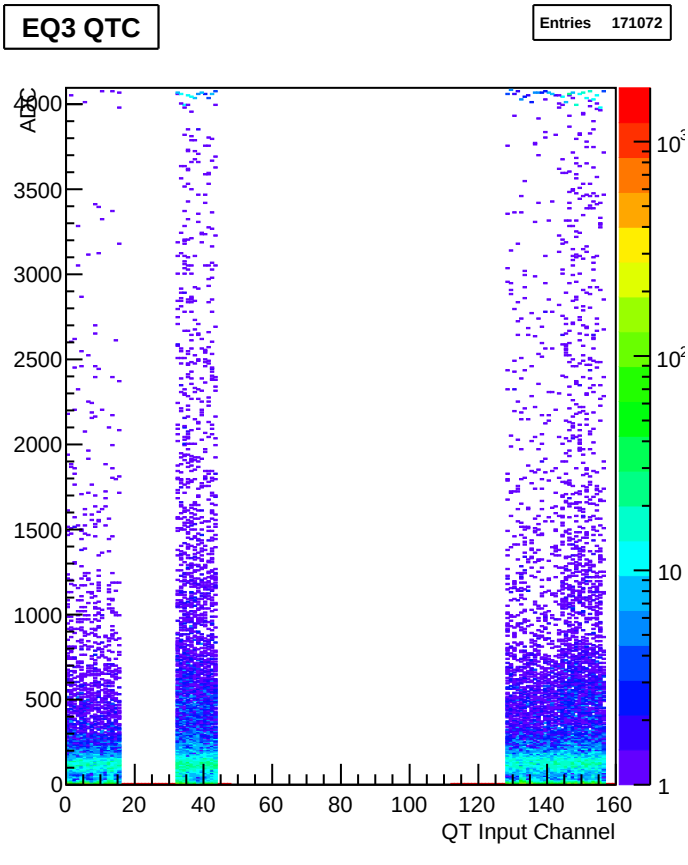

EQ2 QTB
Entries 183146
TDC
QT Input Channel

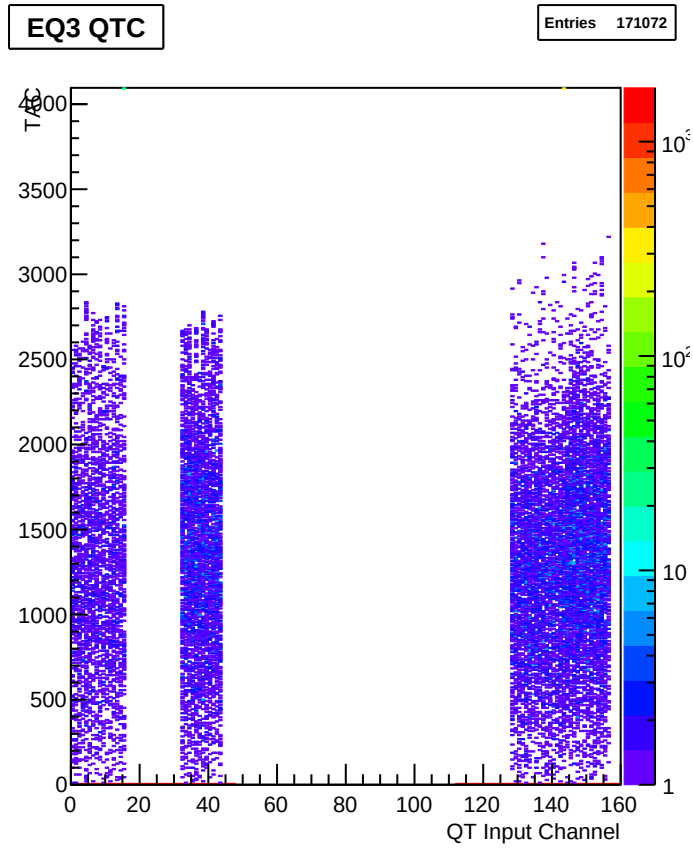

EQ2 QTC
Entries 171072
ADC
QT Input Channel

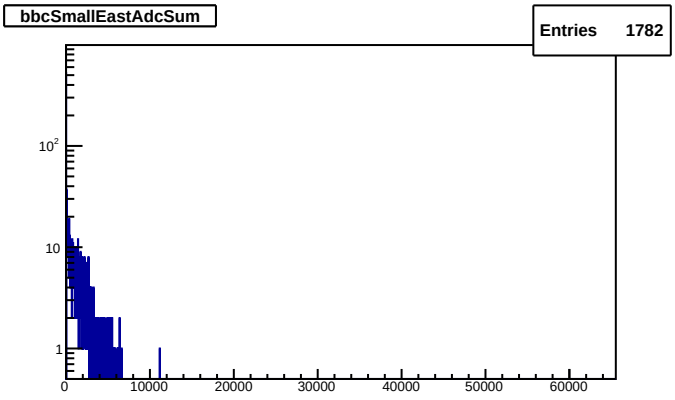

EQ2 QTC
Entries 171072
TADC
QT Input Channel

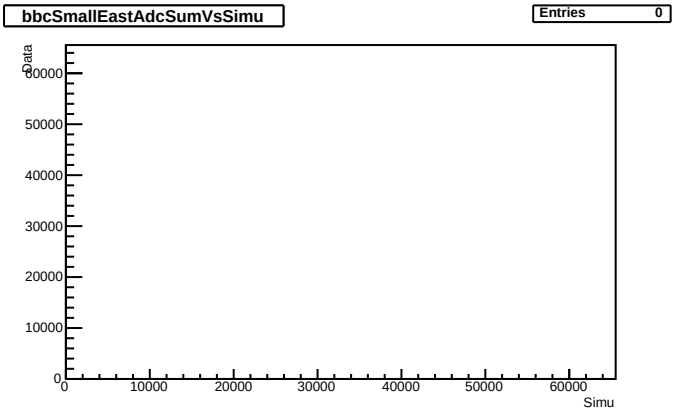

EQ3 QTB
Entries 456192
ADC
QT Input Channel

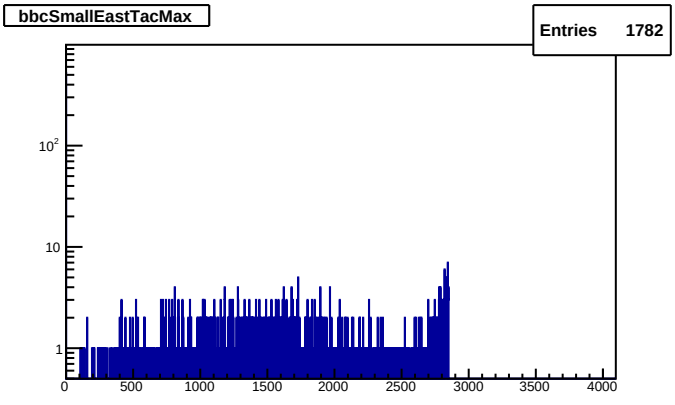

EQ3 QTB
Entries 136030
TDC
QT Input Channel

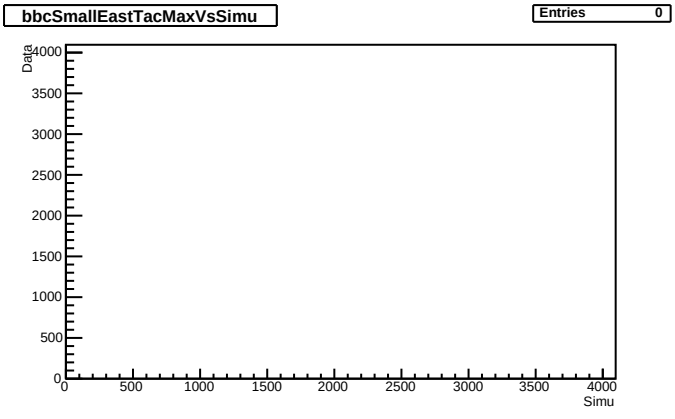

EQ3 QTC
Entries 171072
ADC
QT Input Channel

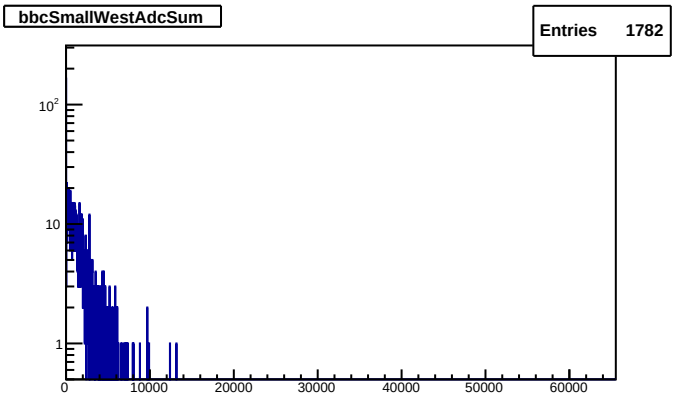

EQ3 QTC
Entries 171072
TADC
QT Input Channel

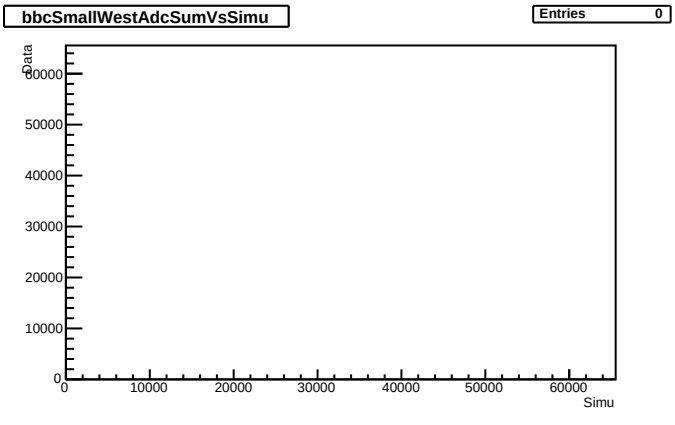

bbcSmallEastAdcSum
Entries 1782

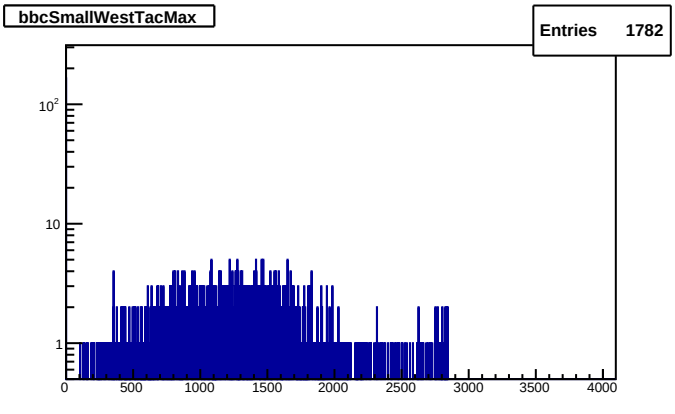

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

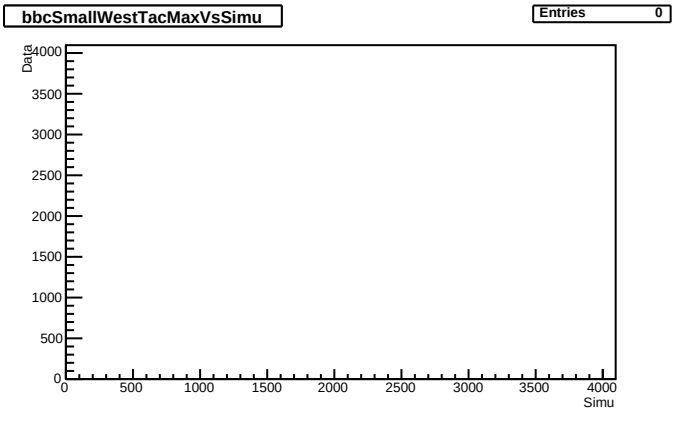

bbcSmallEastTacMax
Entries 1782

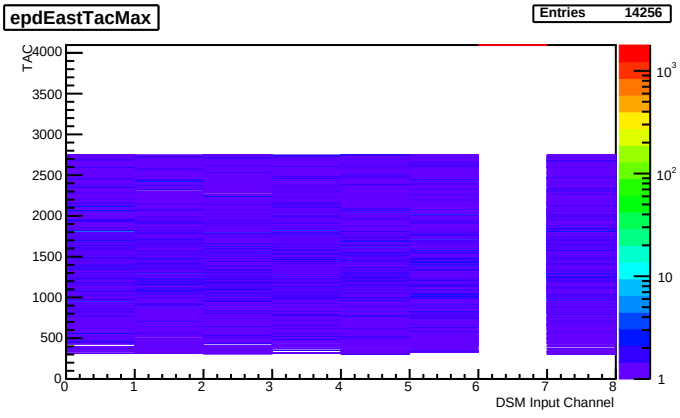

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

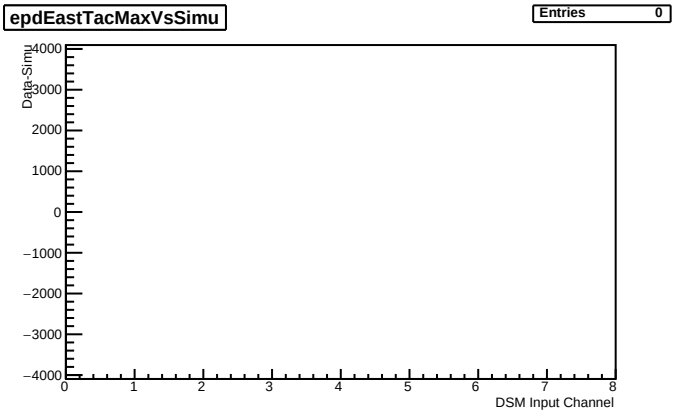

bbcSmallWestAdcSum
Entries 1782

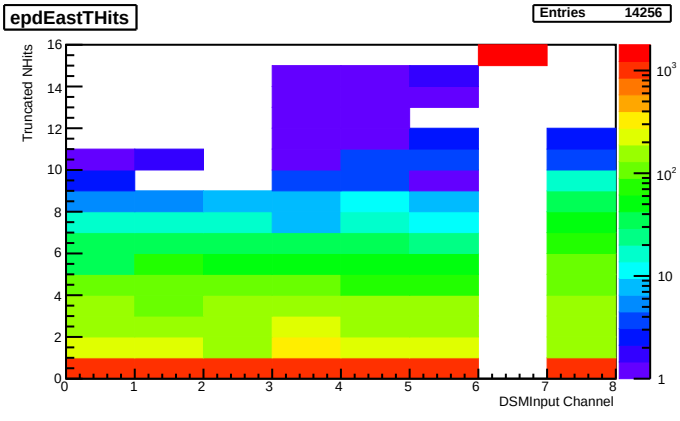

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

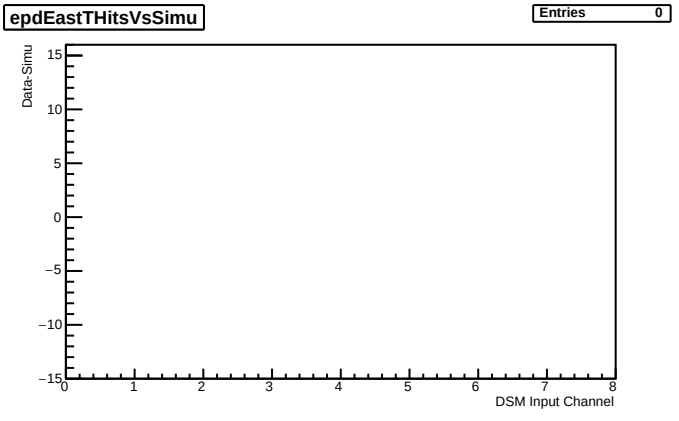

bbcSmallWestTacMax
Entries 1782


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 14256
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 14256
Truncated NHits
DSMInput Channel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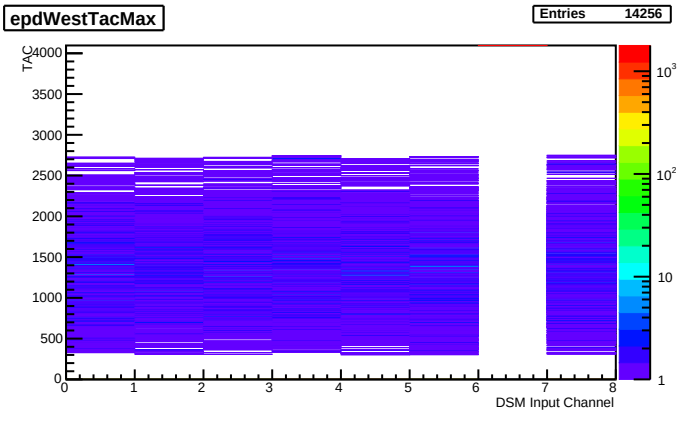
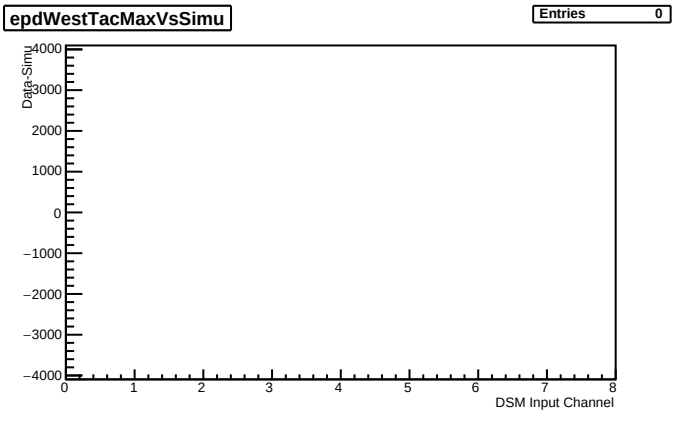
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 14256
TAC
DSM Input Channel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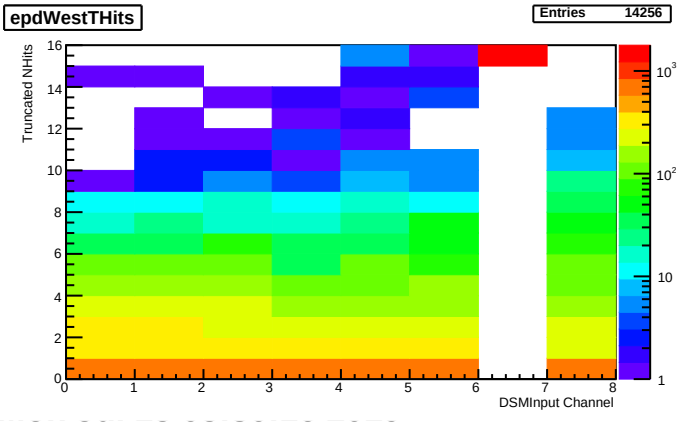
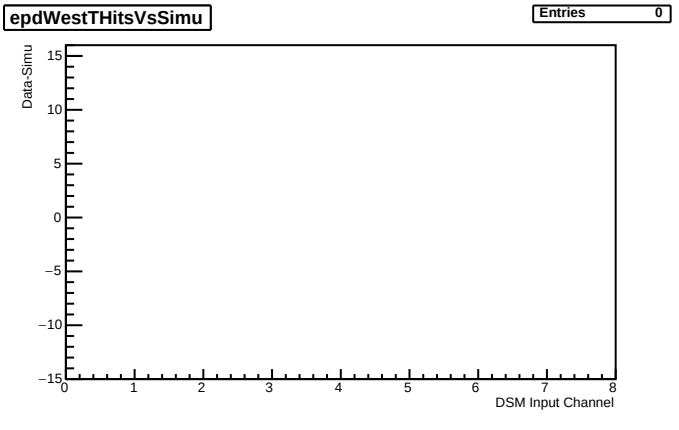
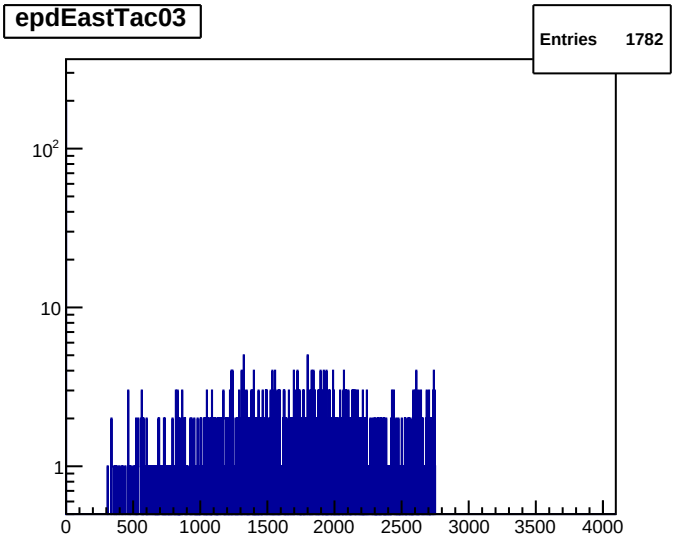
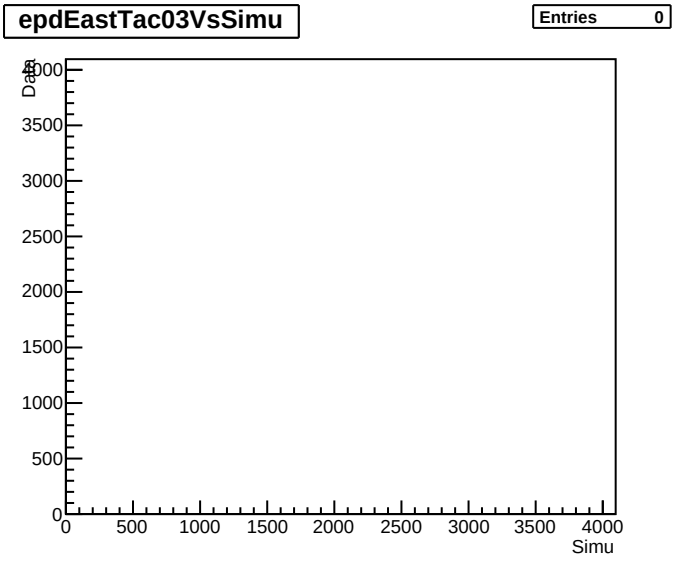
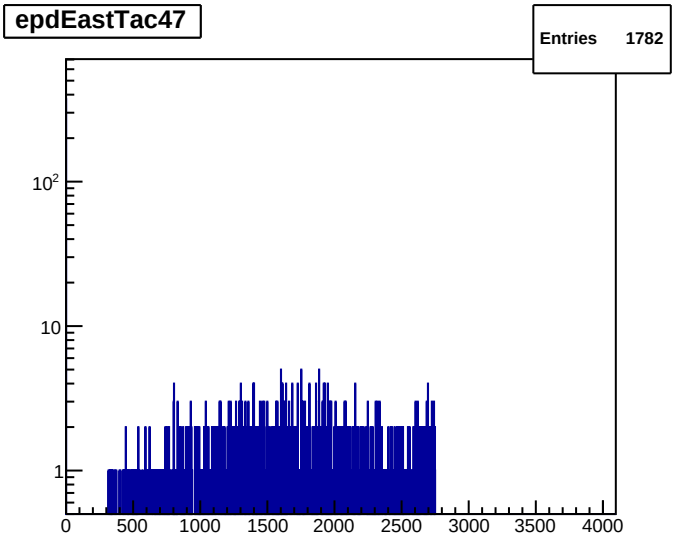
Entries 0
Data-Simu
DSM Input Channel

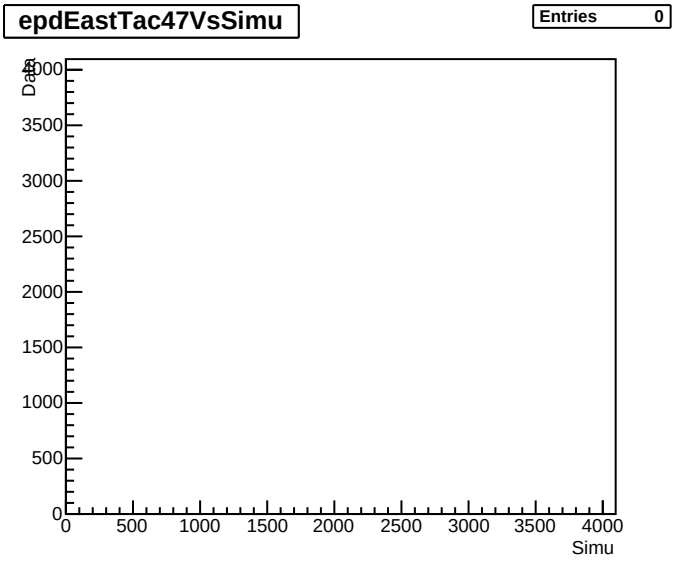

epdWestTHits
Entries 14256
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 1782
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 1782
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


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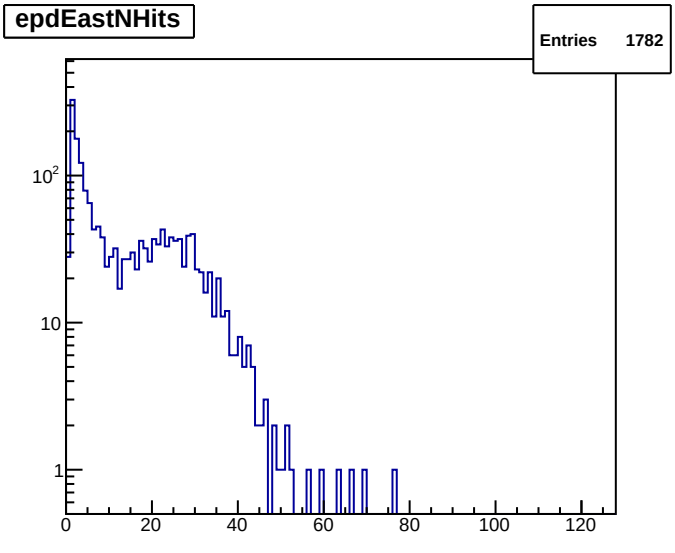
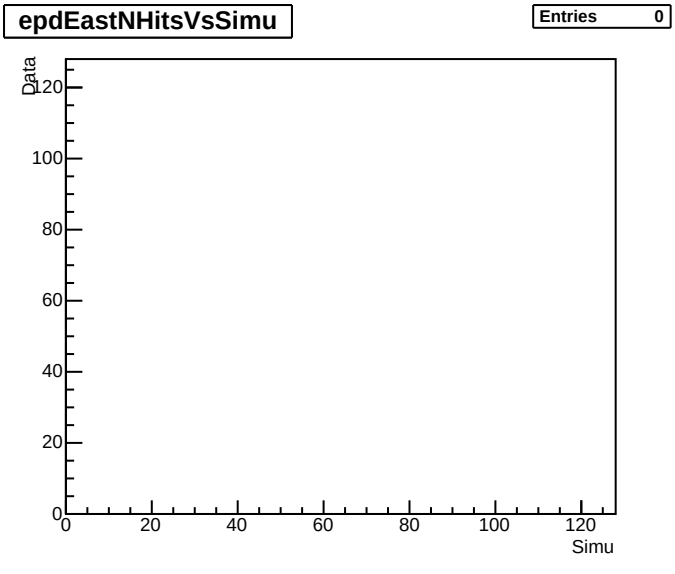
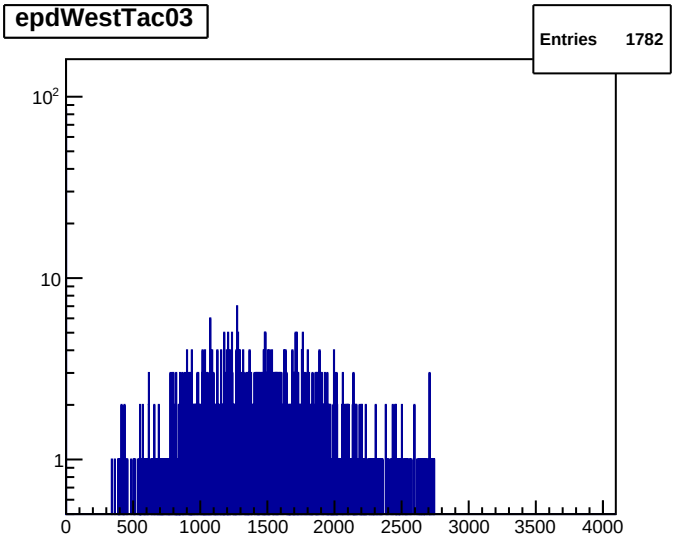
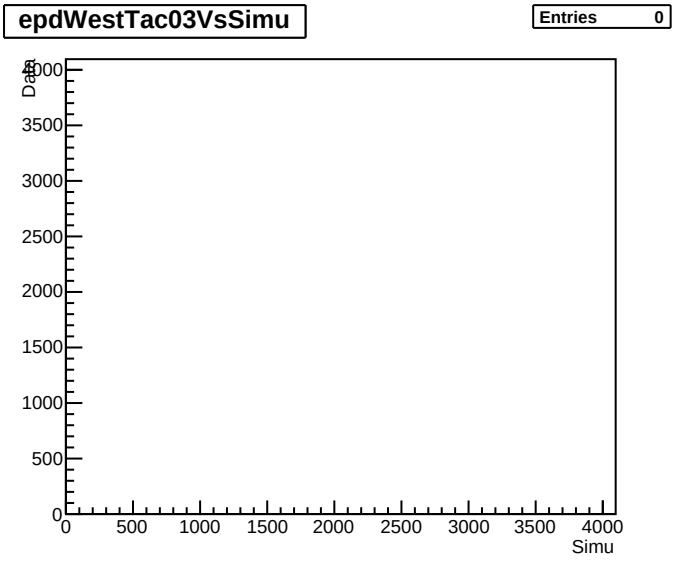
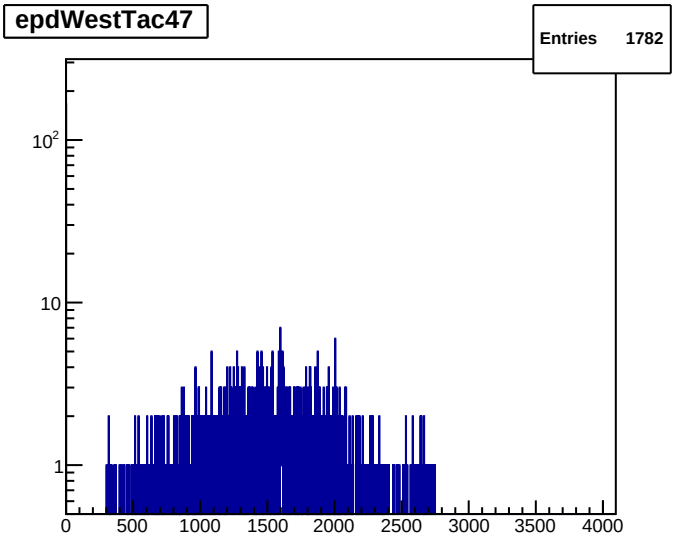
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

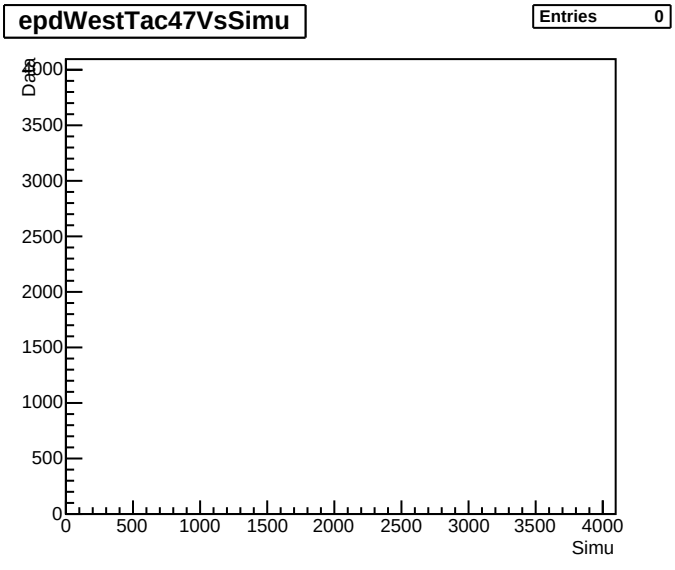

epdEastNHits
Entries 1782
10^2
10
1
0 20 40 60 80 100 120


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


epdWestTac03
Entries 1782
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 1782
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


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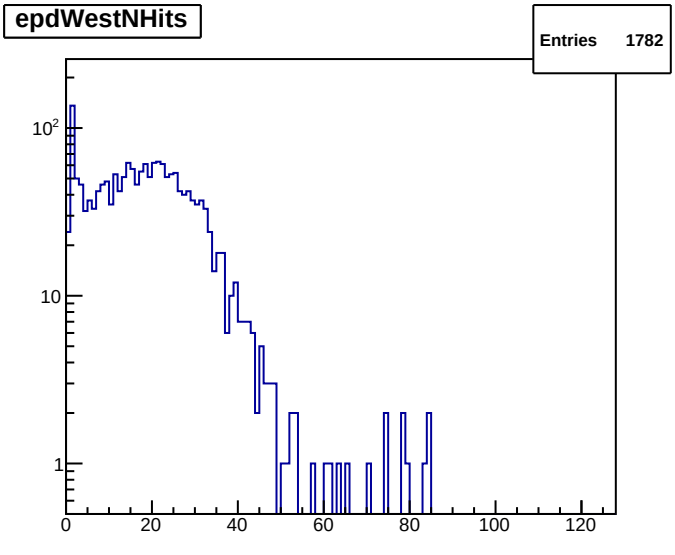
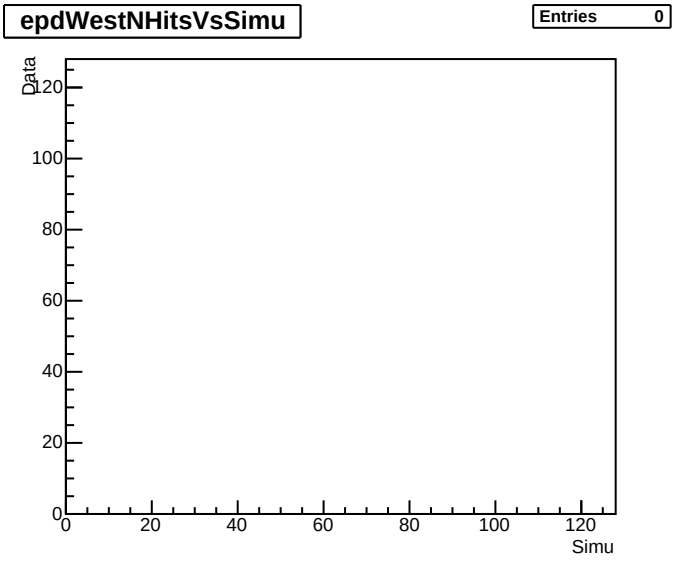
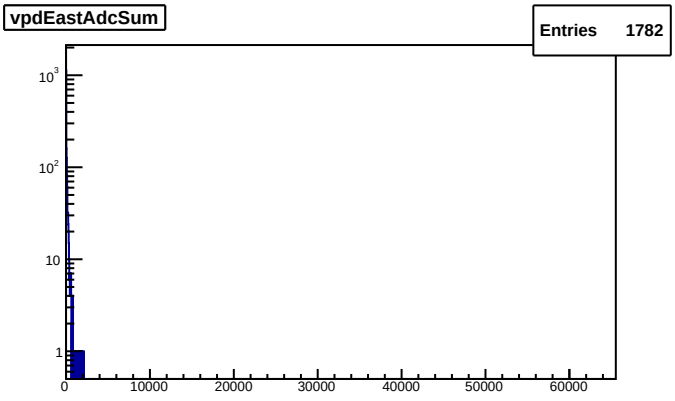
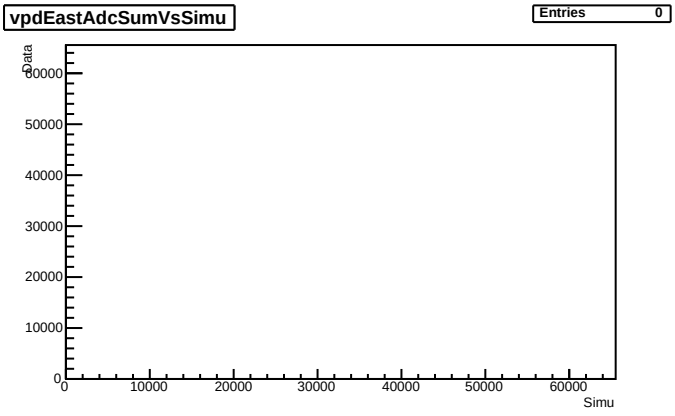
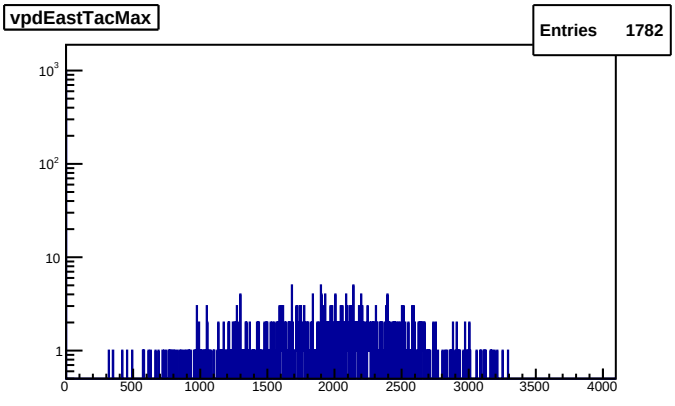
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

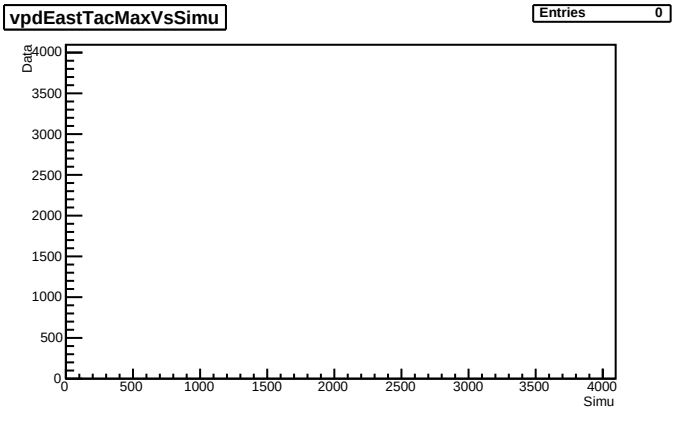

epdWestNHits
Entries 1782
10^2
10
1
0 20 40 60 80 100 120


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


vpdEastAdcSum
Entries 1782


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 1782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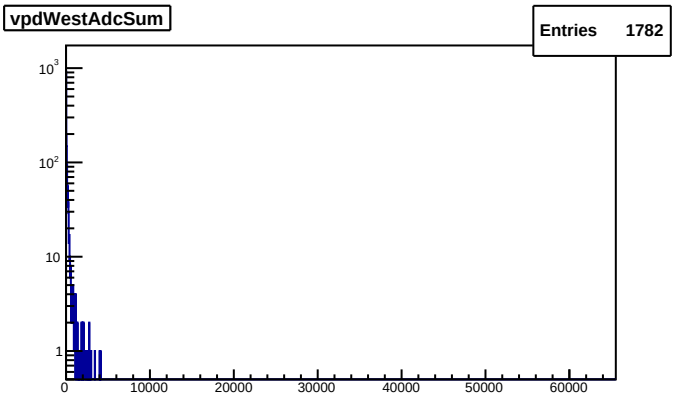
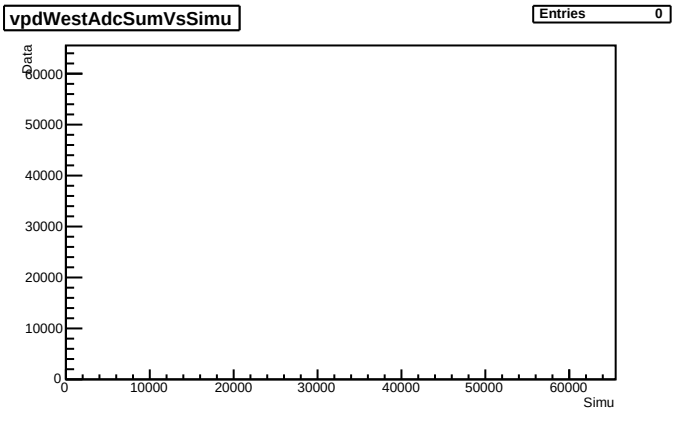
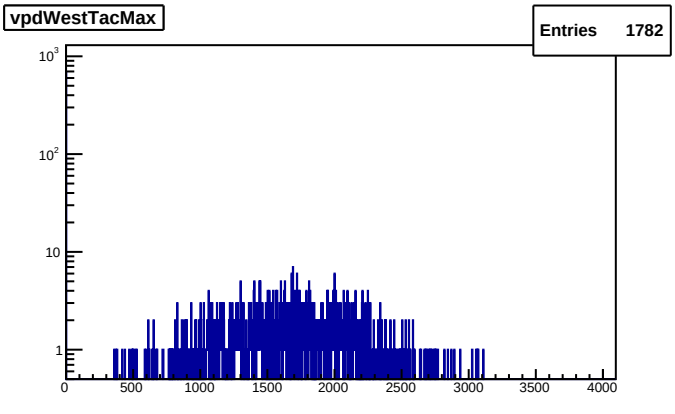
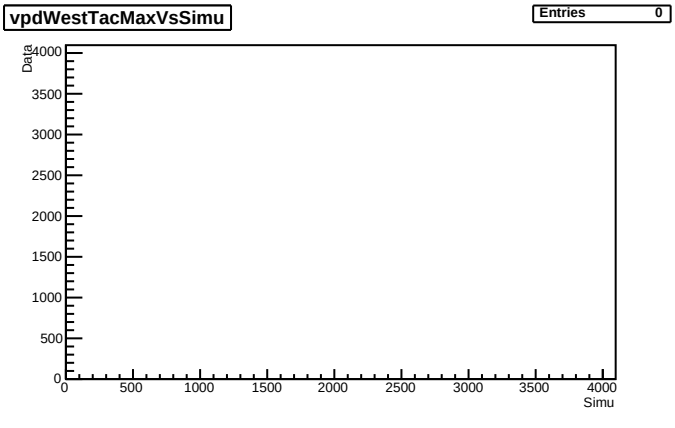
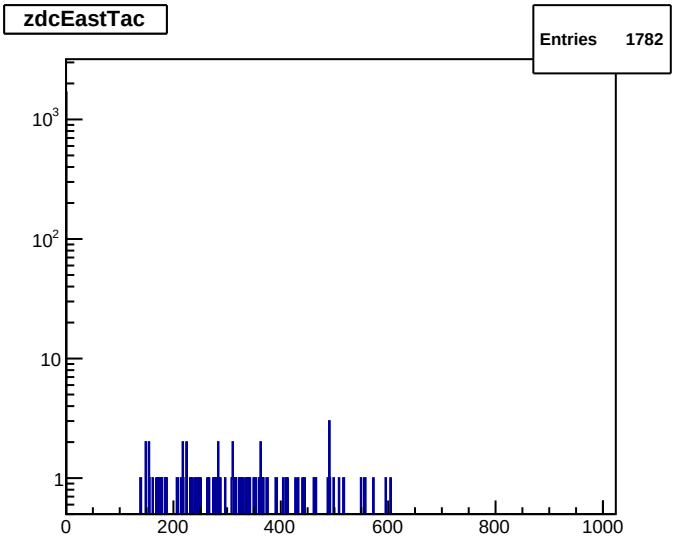
Entries 0
Data
Simu

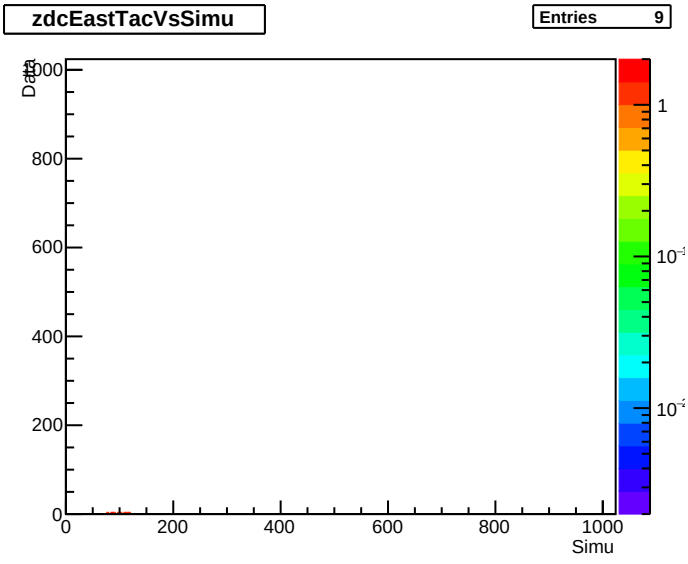

vpdWestAdcSum
Entries 1782

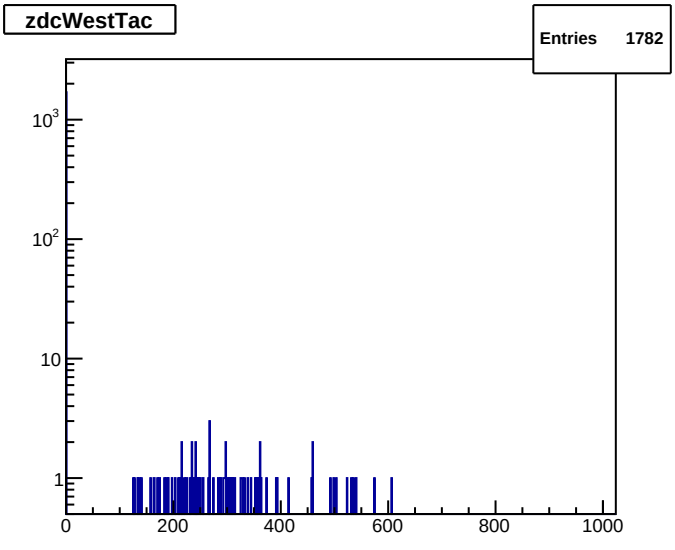

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

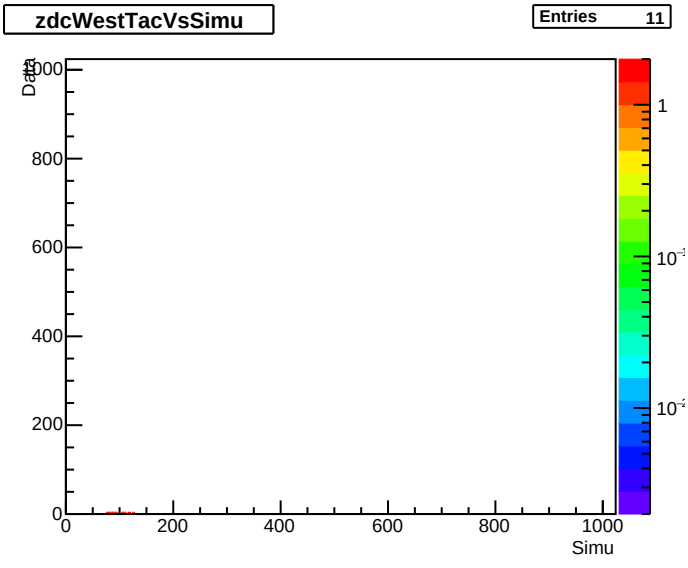

vpdWestTacMax
Entries 1782

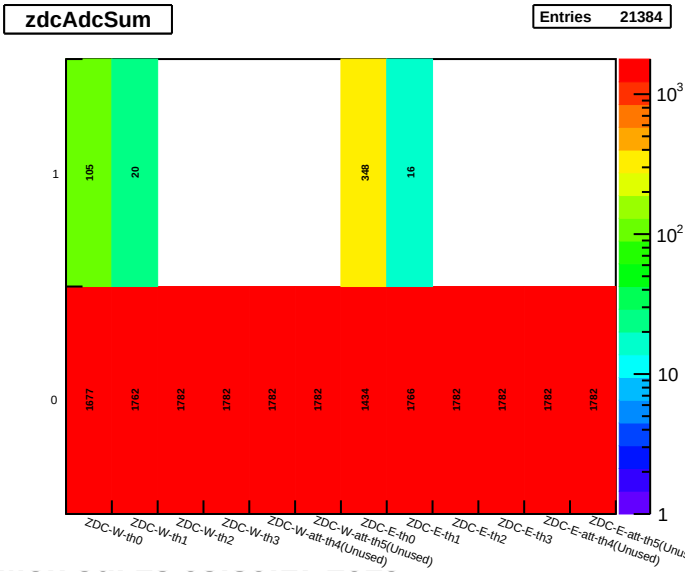

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

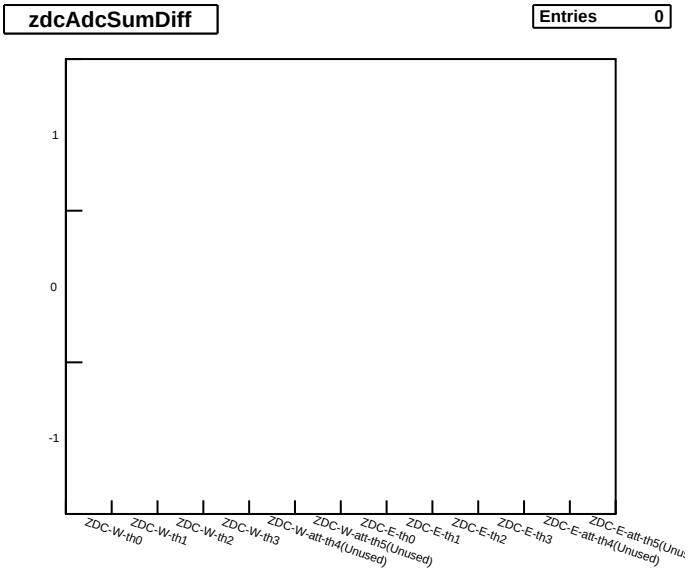

zdcEastTac
Entries 1782

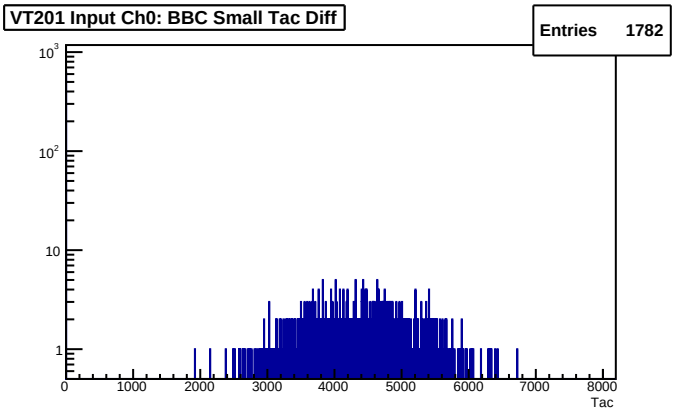

zdcEastTacVsSimu
Entries 9
Data
Simu

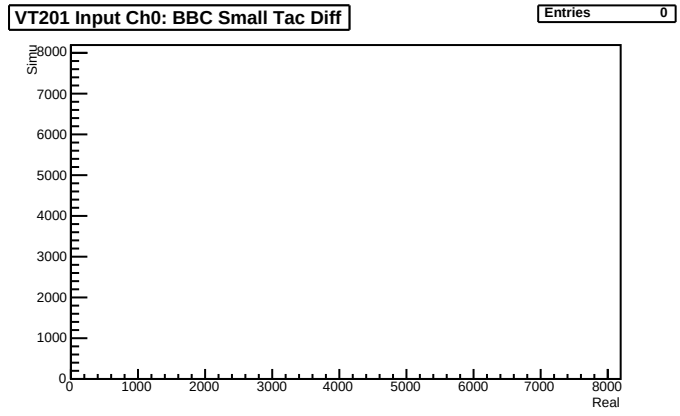

zdcWestTac
Entries 1782

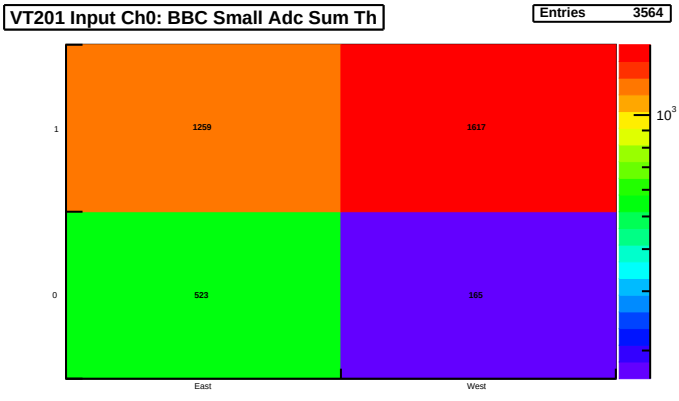

zdcWestTacVsSimu
Entries 11
Data
Simu

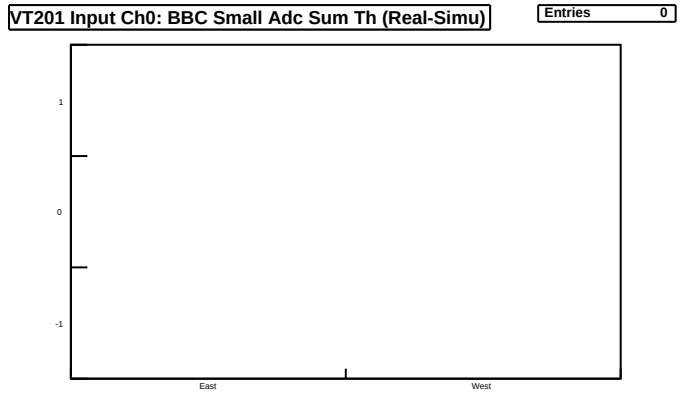

zdcAdcSum
Entries 21384
105
20
348
16
1677
1782
1434
1766
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

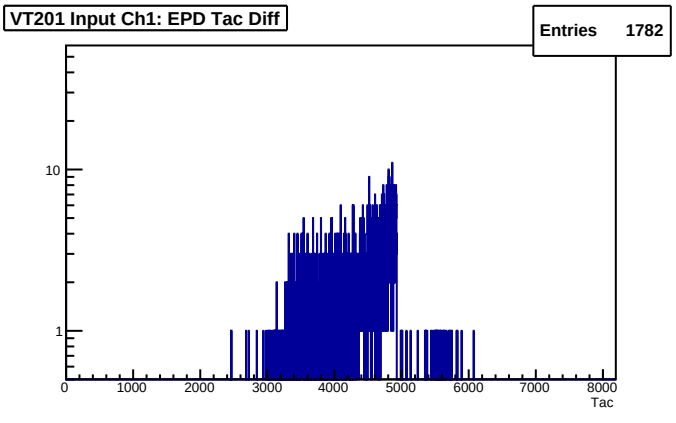

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

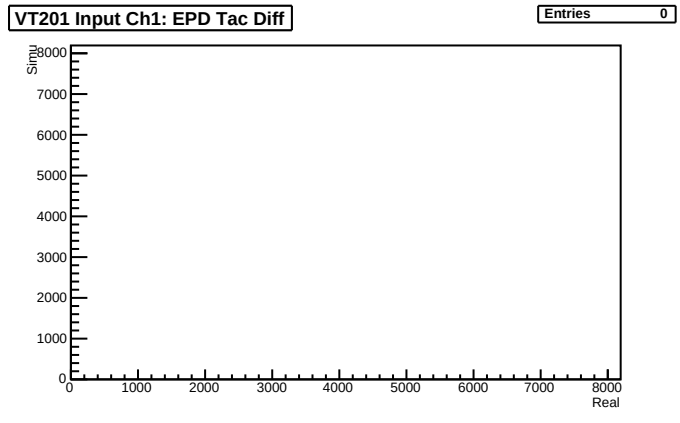

VT201 Input Ch0: BBC Small Tac Diff
Entries 1782
Tac

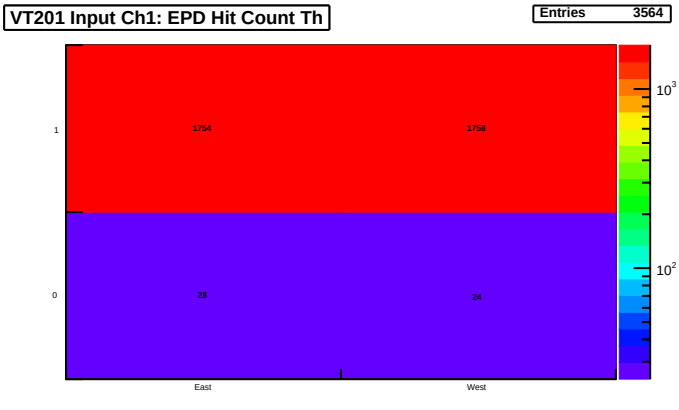

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

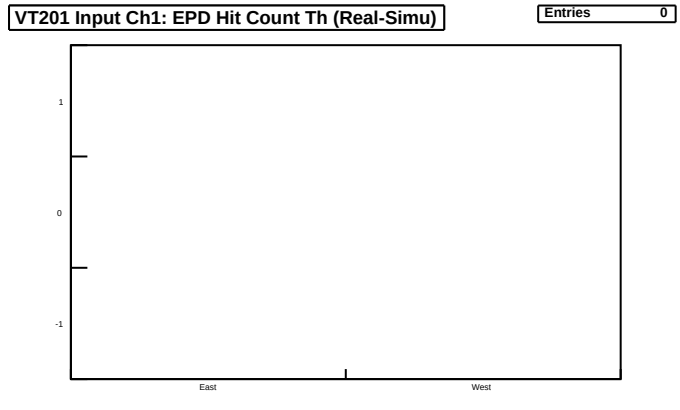

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 3564
1259
1617
523
165
East
West

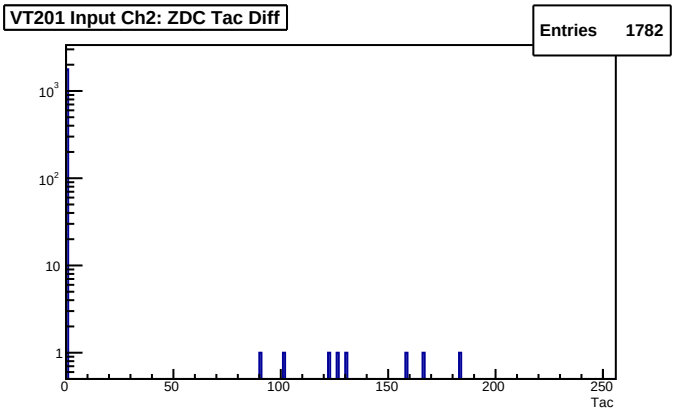

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

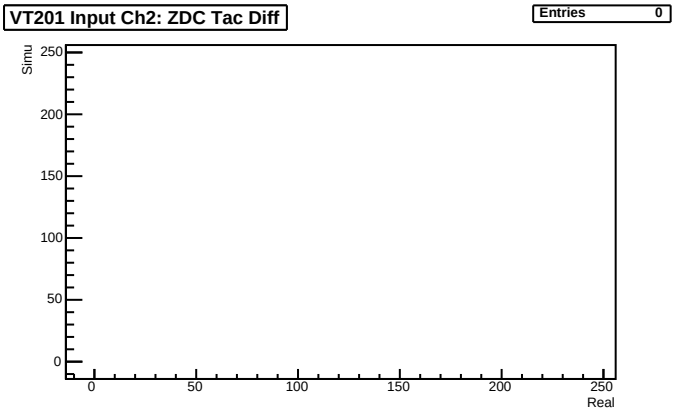

VT201 Input Ch1: EPD Tac Diff
Entries 1782
Tac

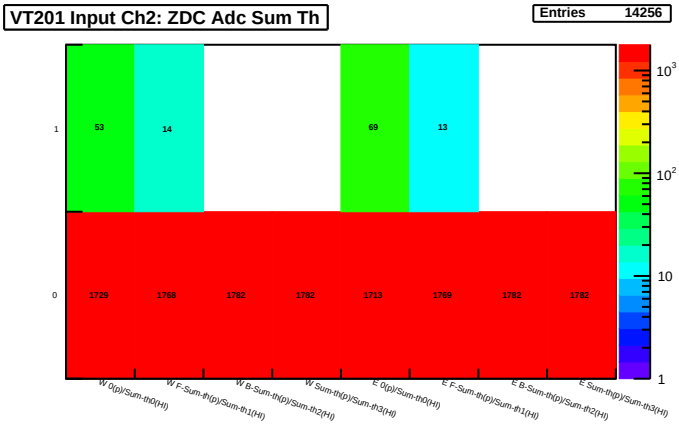

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

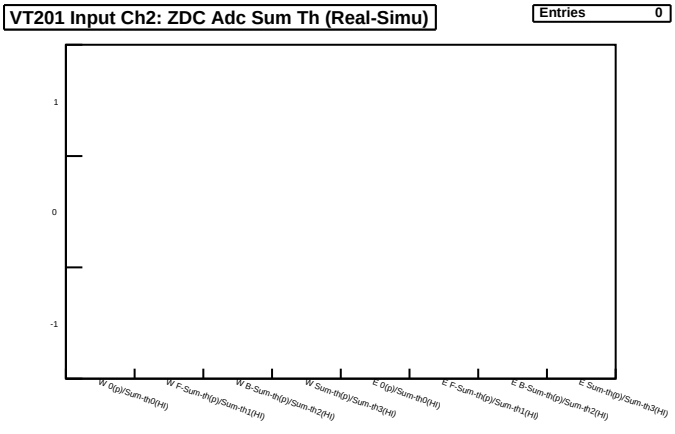

VT201 Input Ch1: EPD Hit Count Th
Entries 3564
1754
1758
28
24
East
West

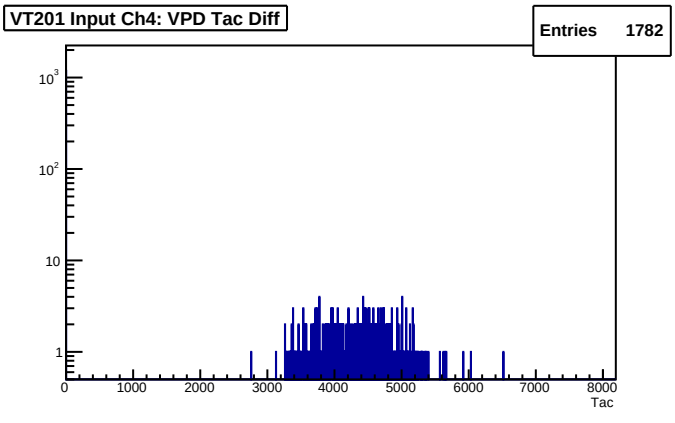

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

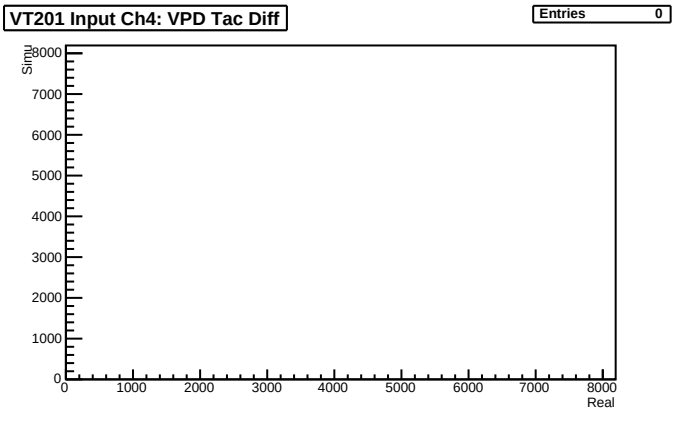

VT201 Input Ch2: ZDC Tac Diff
Entries 1782
Tac

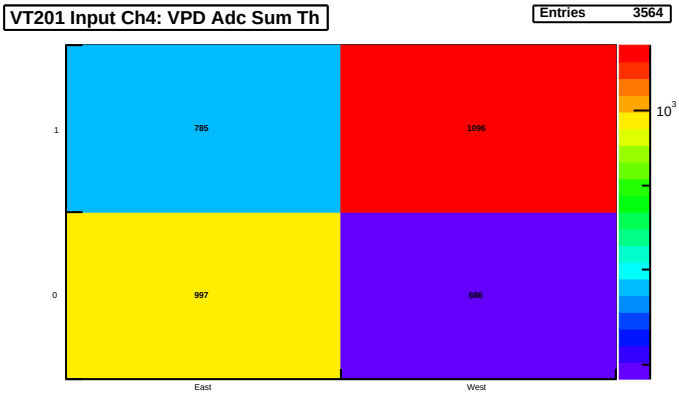

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

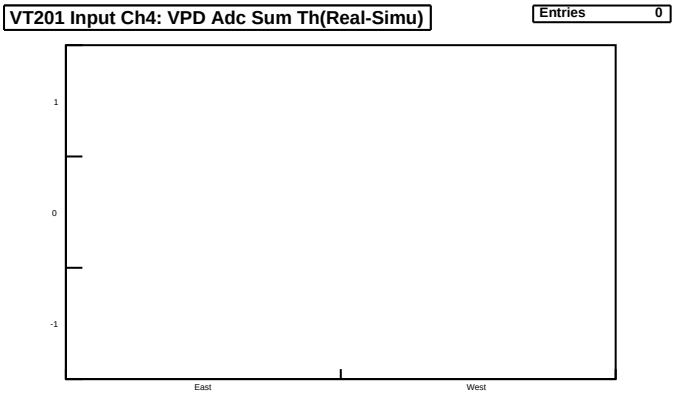

VT201 Input Ch2: ZDC Adc Sum Th
Entries 14256
53
14
69
13
1729
1768
1782
1782
1713
1769
1782
1782
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

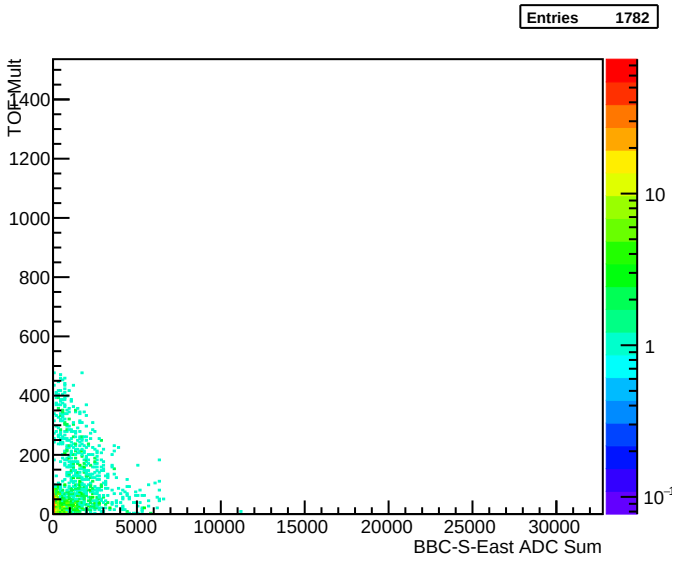

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

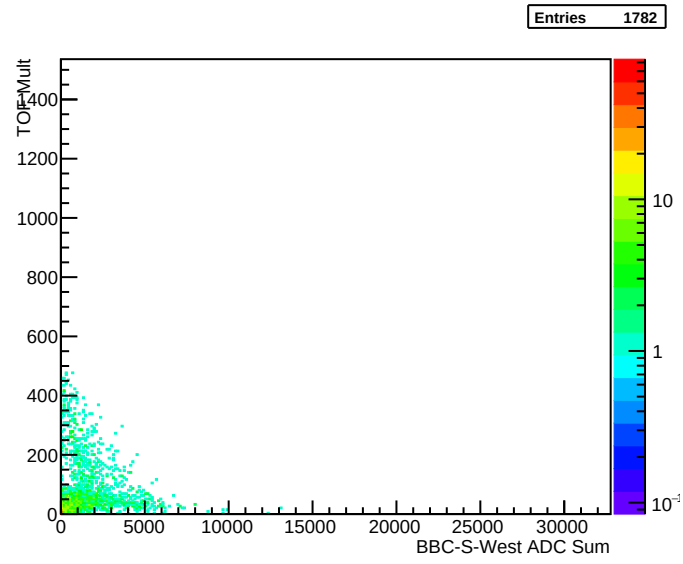

VT201 Input Ch4: VPD Tac Diff
Entries 1782
Tac

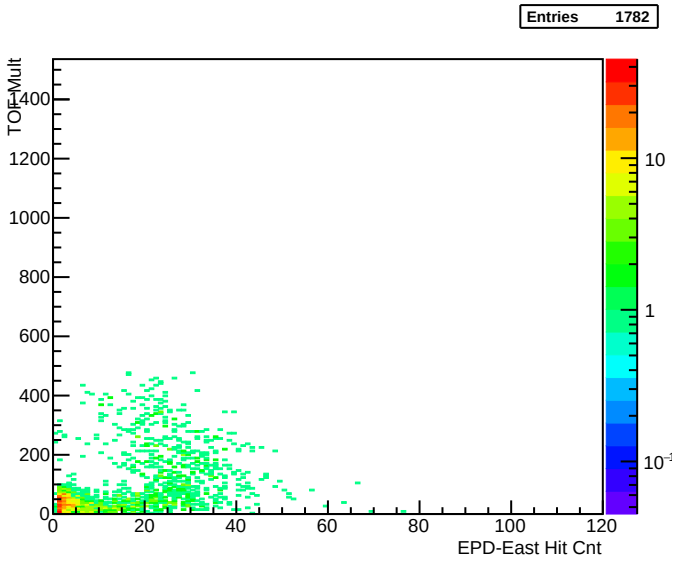

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

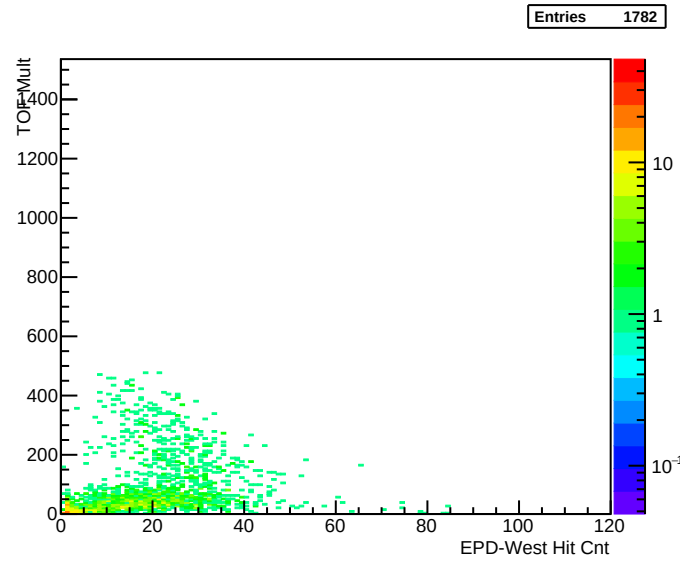

VT201 Input Ch4: VPD Adc Sum Th
Entries 3564
785
1096
997
686
East
West

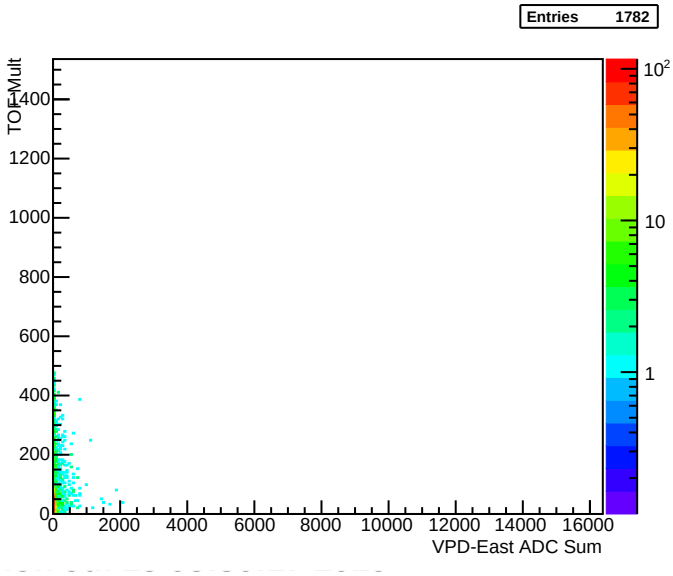

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

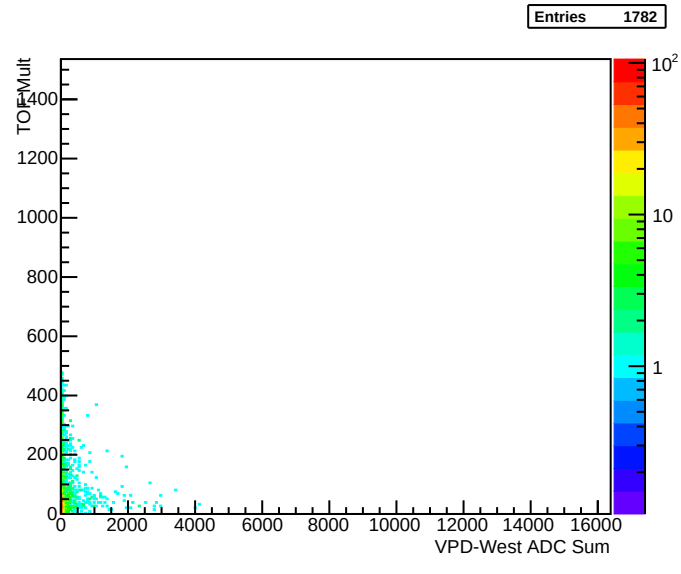

Entries 1782
TOF-Mult
BBC-S-East ADC Sum

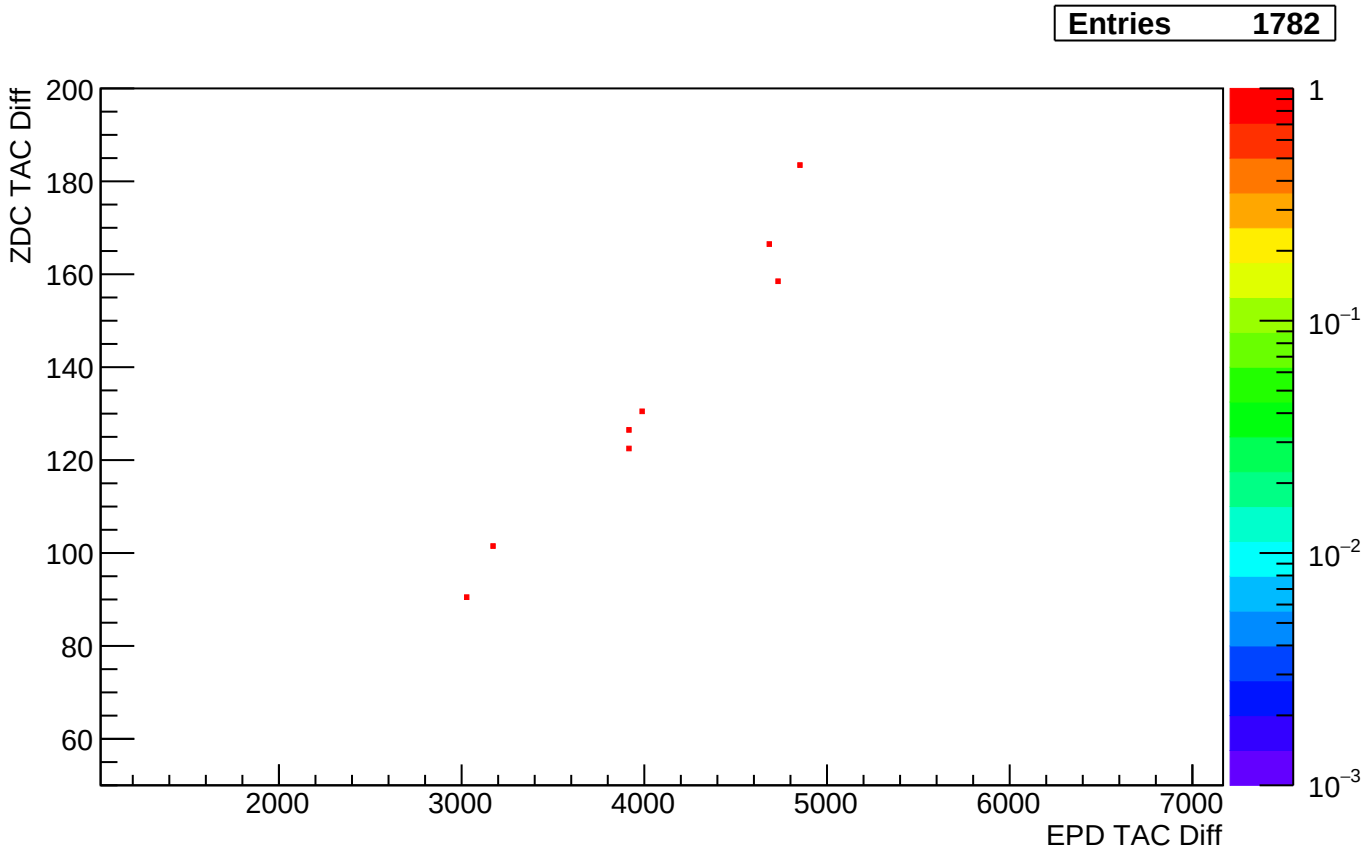

Entries 1782
TOF-Mult
BBC-S-West ADC Sum

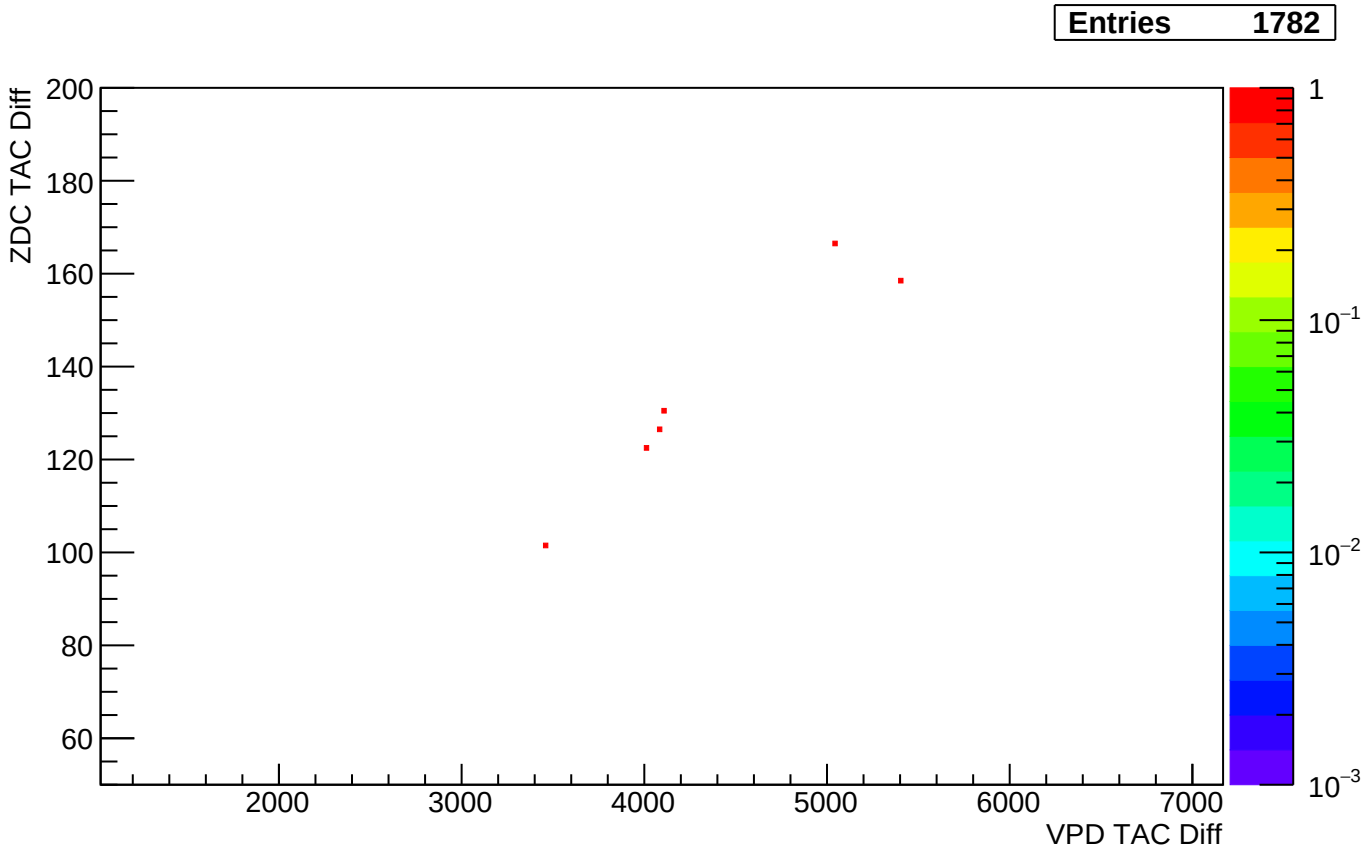

Entries 1782
TOF-Mult
EPD-East Hit Cnt

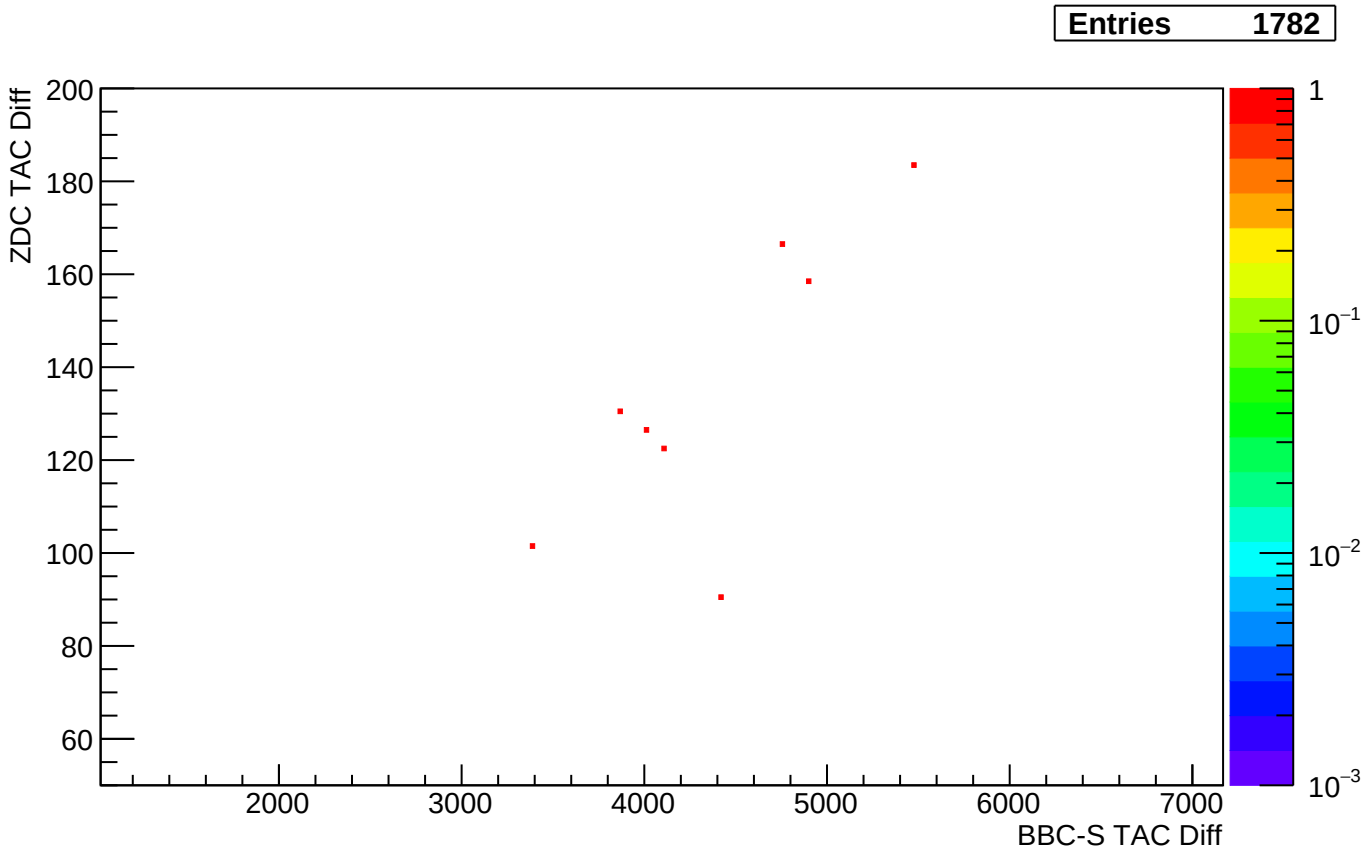

Entries 1782
TOF-Mult
EPD-West Hit Cnt

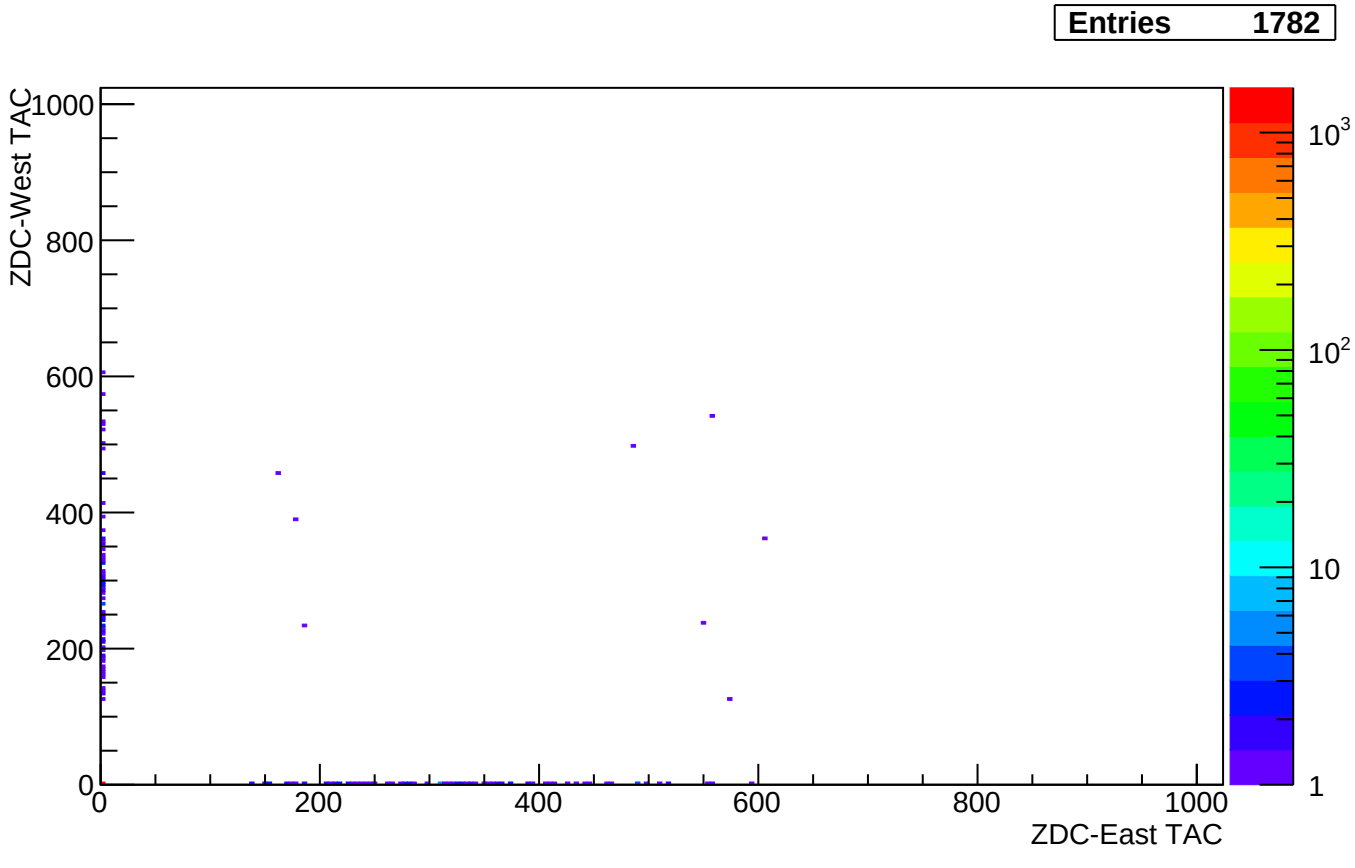

Entries 1782
TOF-Mult
VPD-East ADC Sum

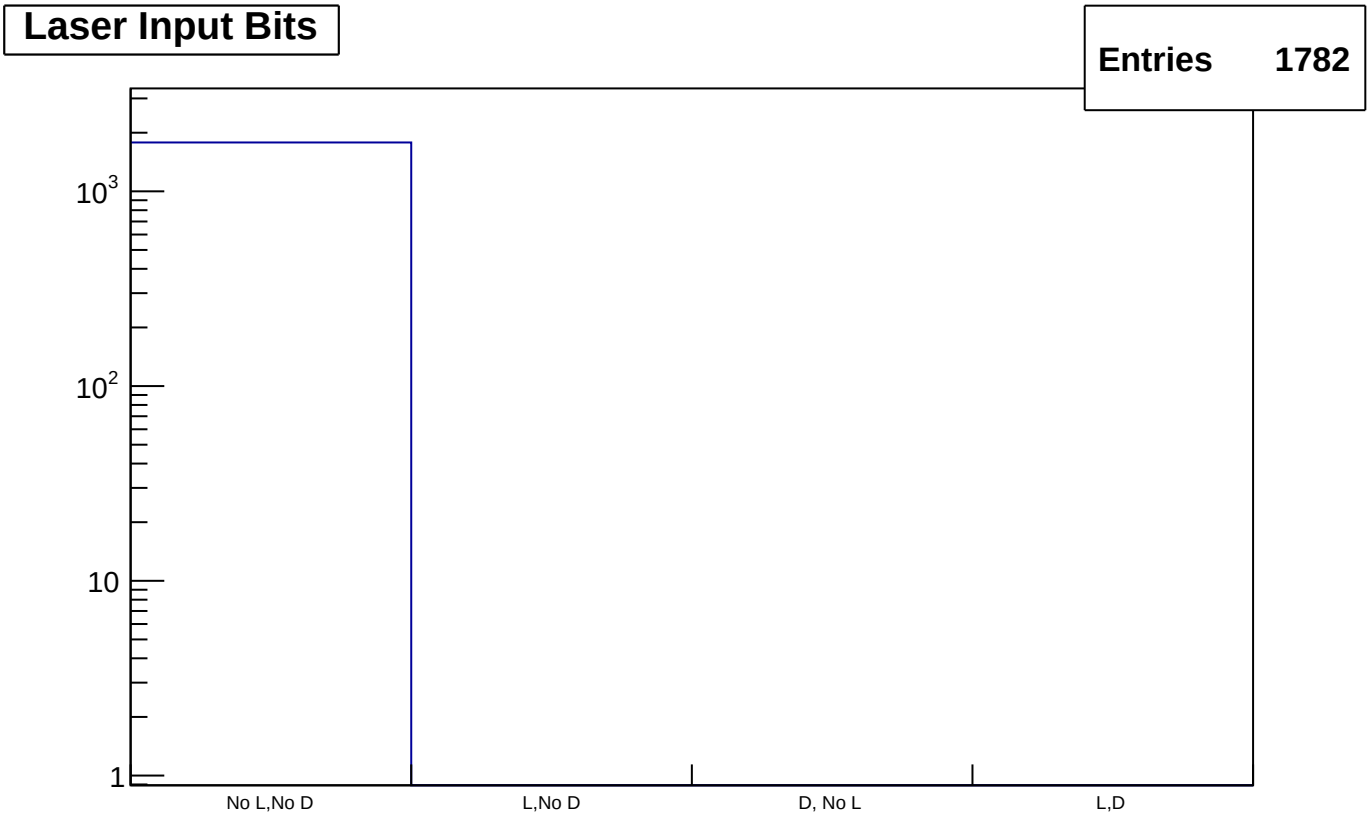

Entries 1782
TOF-Mult
VPD-West ADC Sum

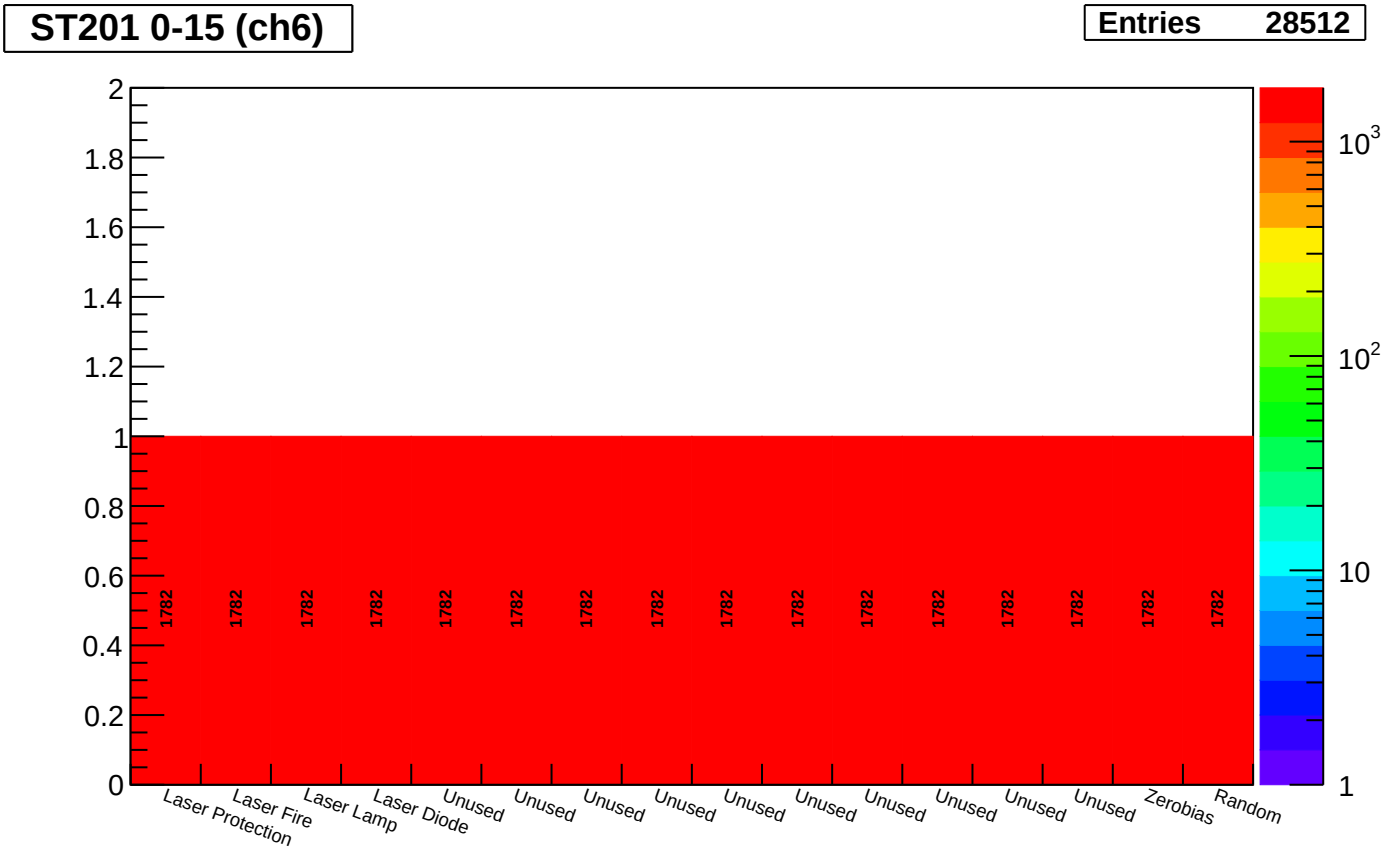

Entries 1782
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

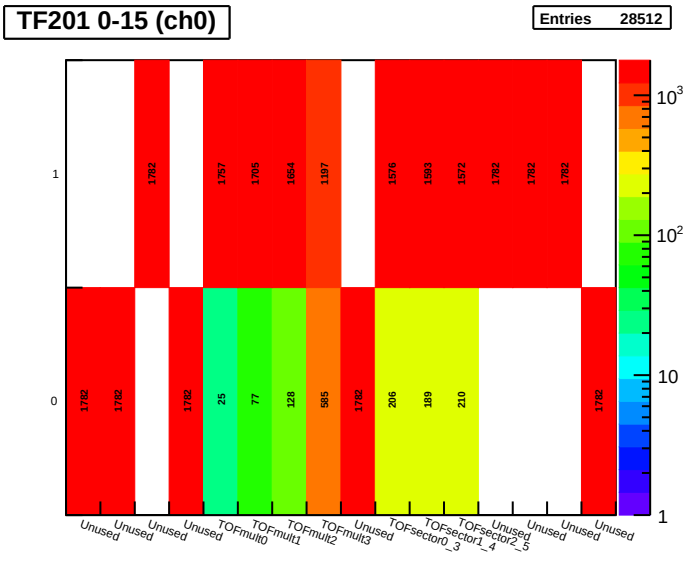

Entries 1782
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

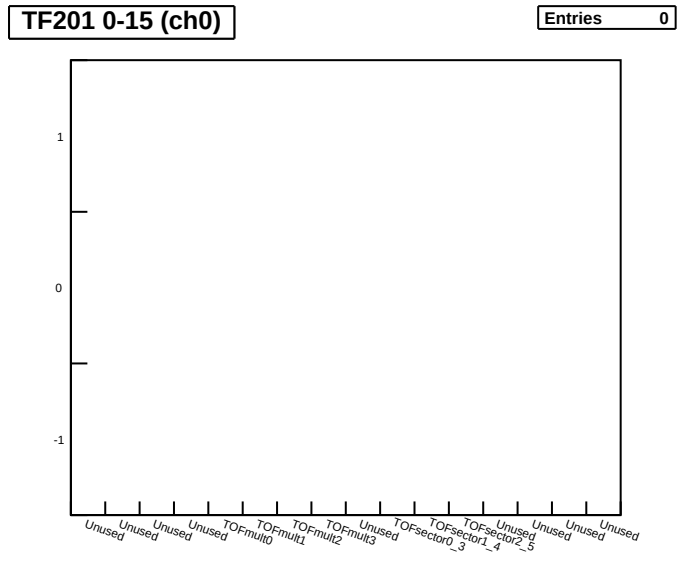

Entries 1782
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

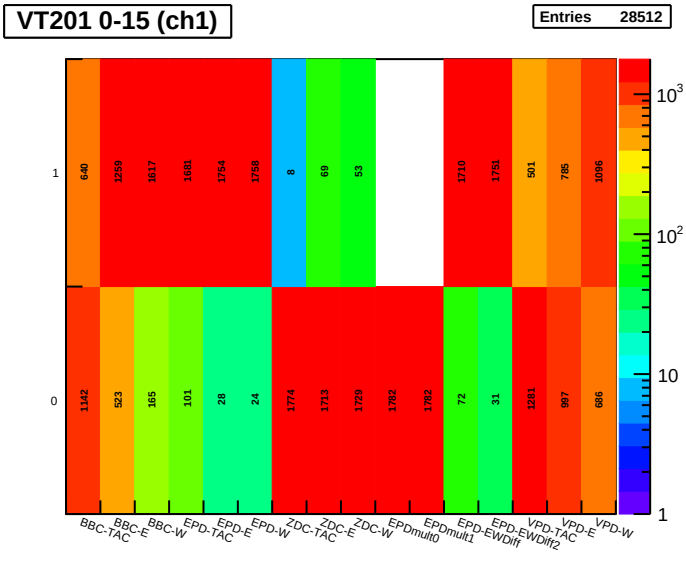

Entries 1782
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

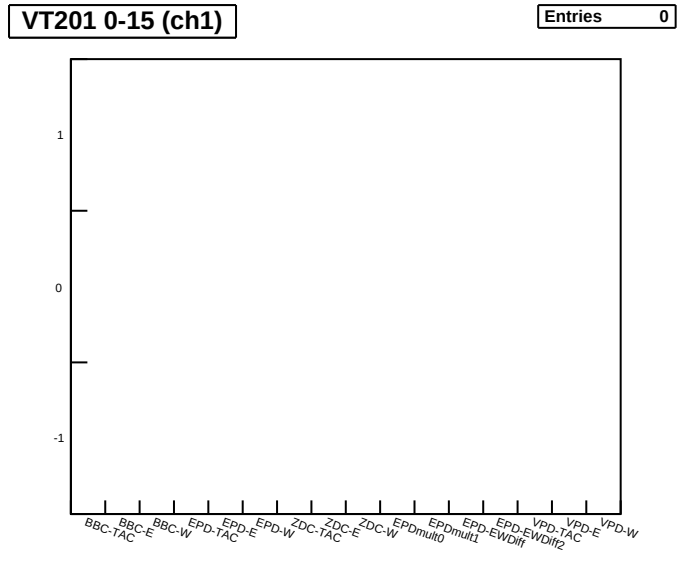

Laser Input Bits
Entries 1782
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

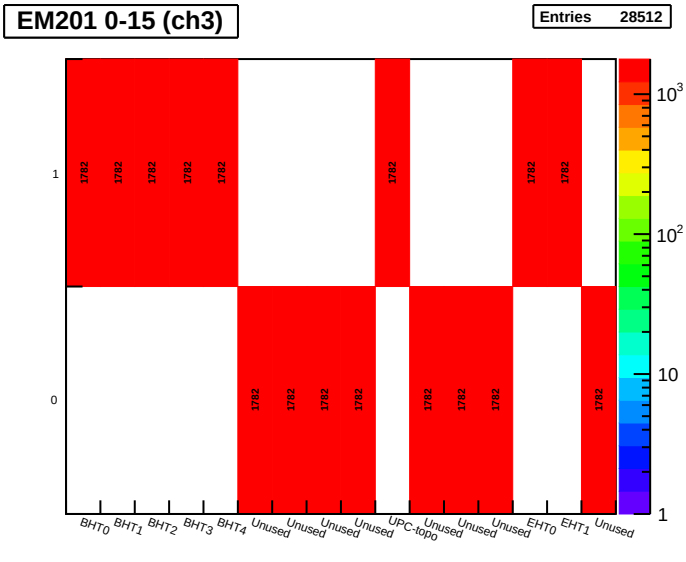

ST201 0-15 (ch6)
Entries 28512
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1782
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

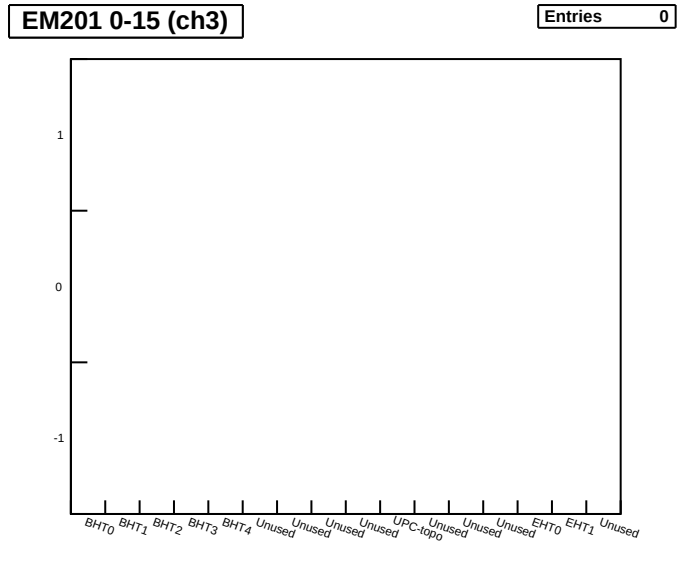

TF201 0-15 (ch0)
Entries 28512
1 1782 1757 1705 1654 1197 1576 1593 1572 1782 1782 1782
0 1782 1782 1782 25 77 128 585 1782 206 189 210 1782
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 0 -1
10^3 10^2 10 1


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 28512
1 640 1259 1617 1681 1754 1758 8 69 53 1710 1751 501 785 1096
0 1142 523 165 101 28 24 1774 1713 1729 1782 1782 72 31 1261 997 686
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^3 10^2 10 1


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


EM201 0-15 (ch3)
Entries 28512
1 1782 1782 1782 1782 1782 1782 1782
0 1782 1782 1782 1782 1782 1782 1782 1782
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^3 10^2 10 1


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