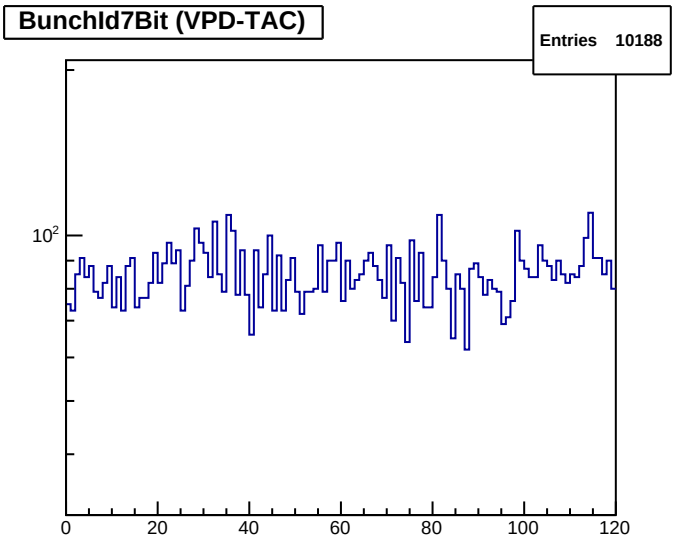
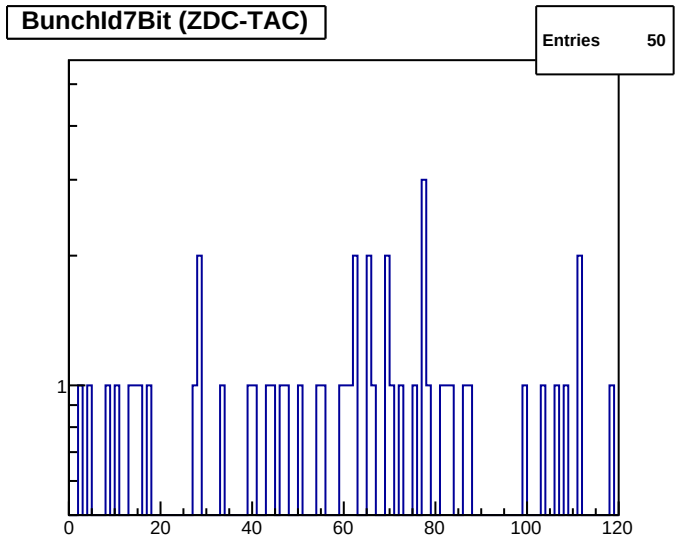
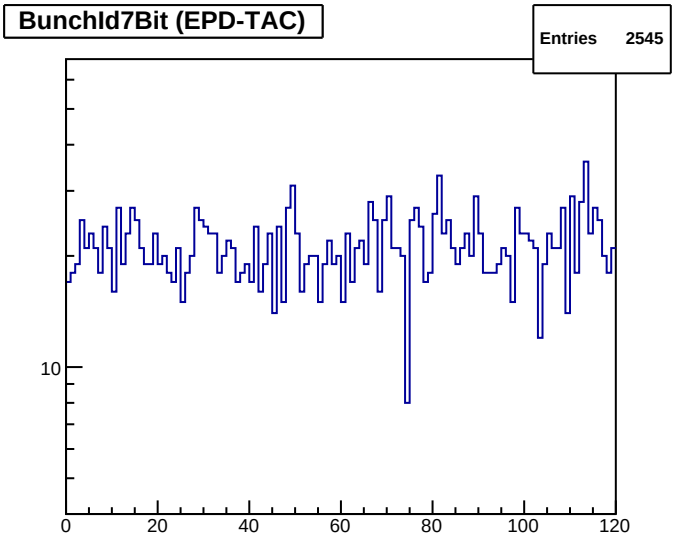
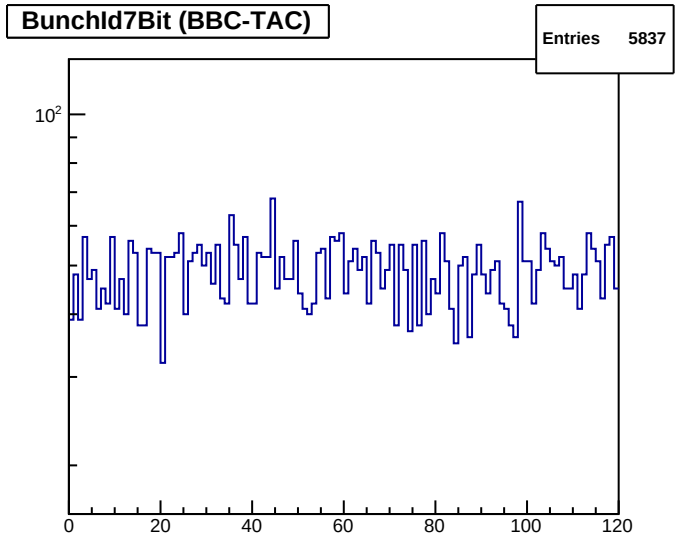
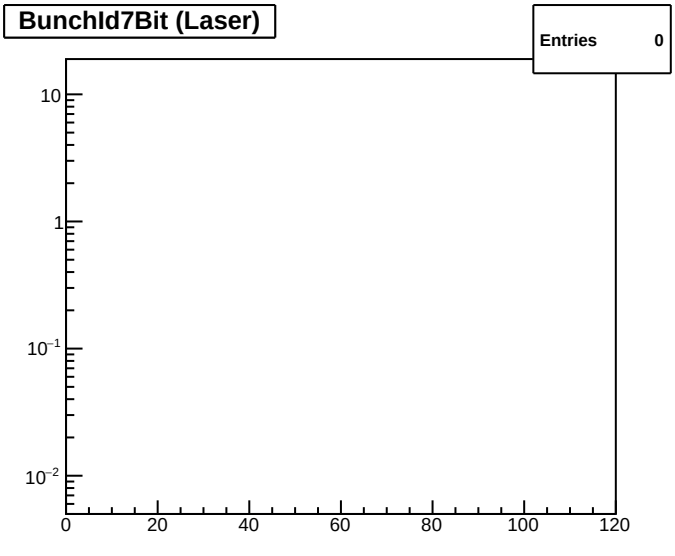
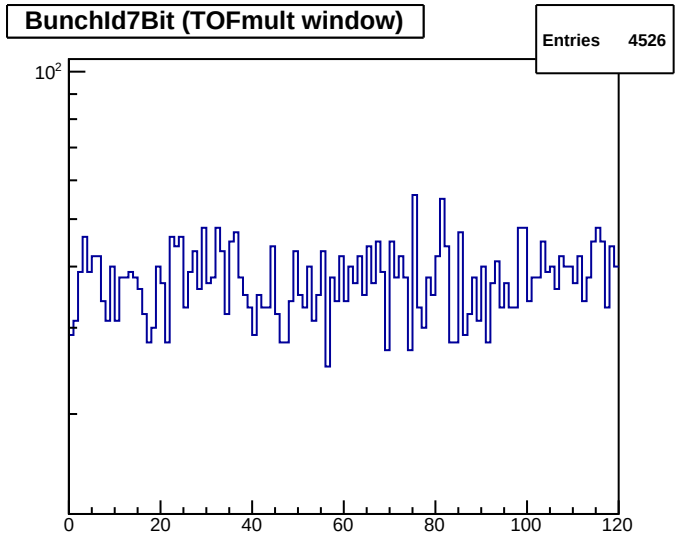

BunchId7Bit (VPD-TAC)
Entries 10188
10^2
0 20 40 60 80 100 120

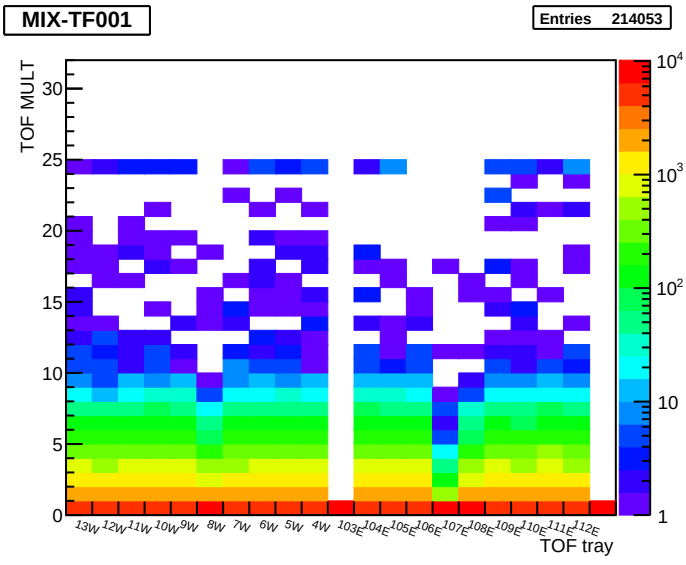

BunchId7Bit (ZDC-TAC)
Entries 50
1
0 20 40 60 80 100 120

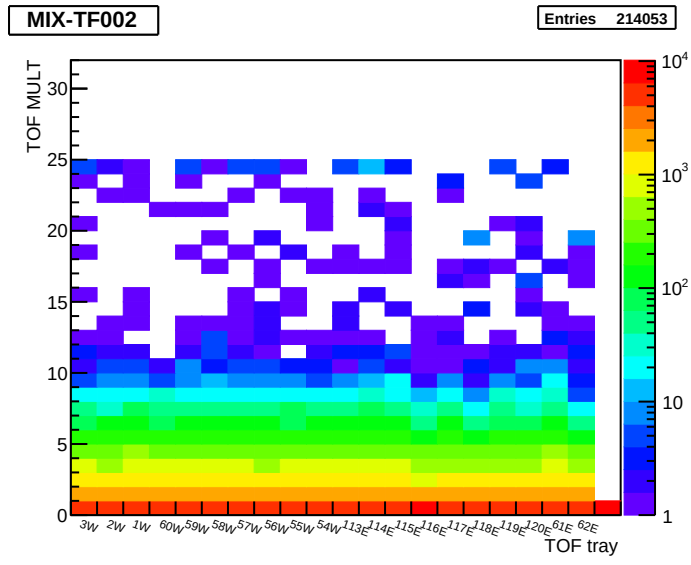

BunchId7Bit (EPD-TAC)
Entries 2545
10
0 20 40 60 80 100 120

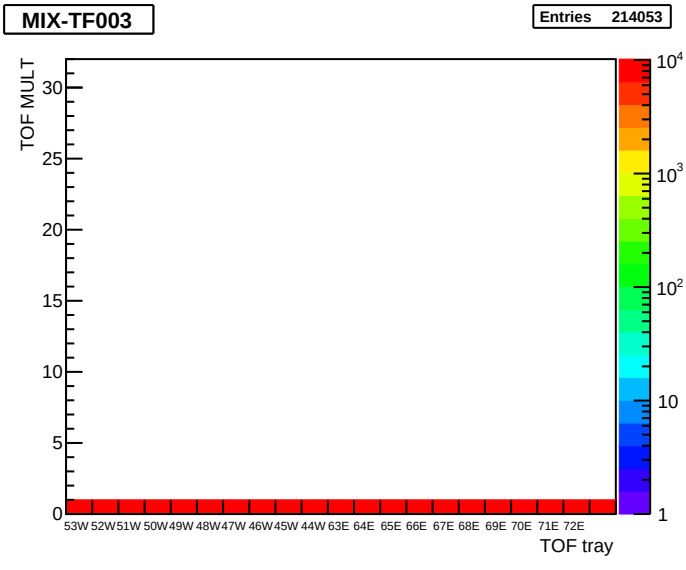

BunchId7Bit (BBC-TAC)
Entries 5837
10^2
0 20 40 60 80 100 120

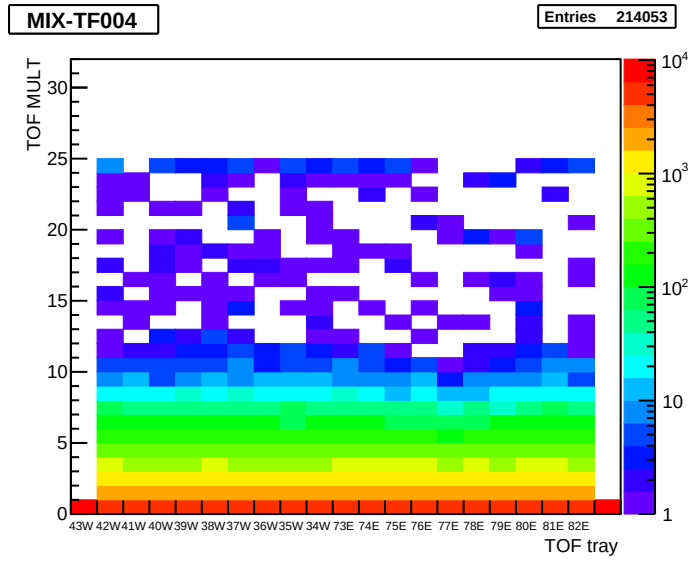

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

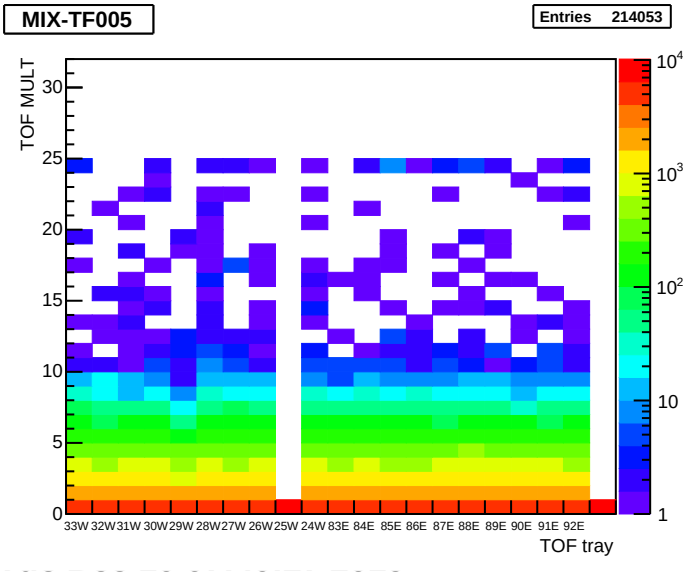

BunchId7Bit (TOFmult window)
Entries 4526
10^2
0 20 40 60 80 100 120

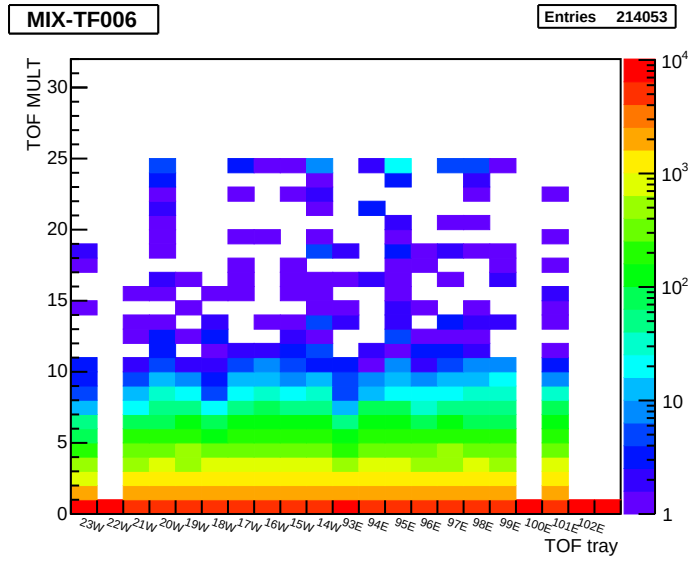

MIX-TF001
Entries 214053
TOF MULT
TOF tray

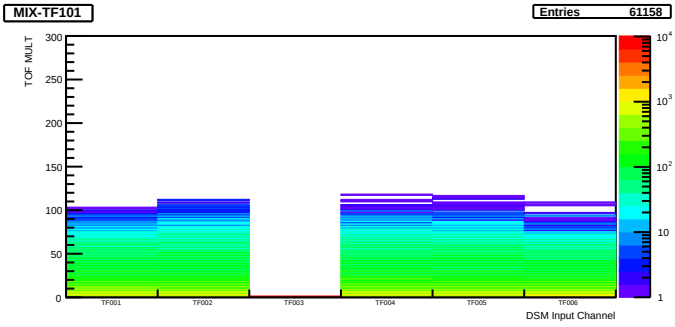

MIX-TF002
Entries 214053
TOF MULT
TOF tray

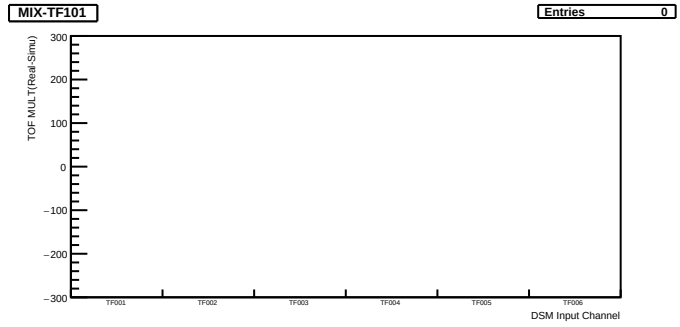

MIX-TF003
Entries 214053
TOF MULT
TOF tray

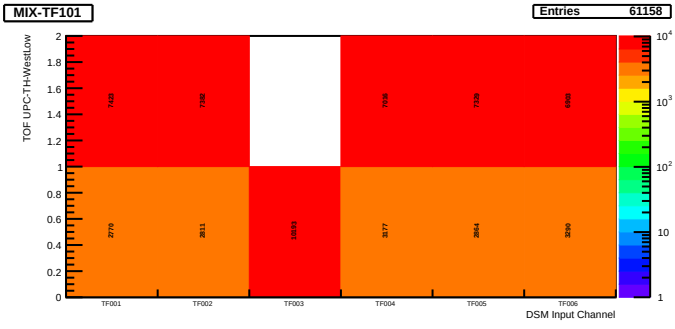

MIX-TF004
Entries 214053
TOF MULT
TOF tray

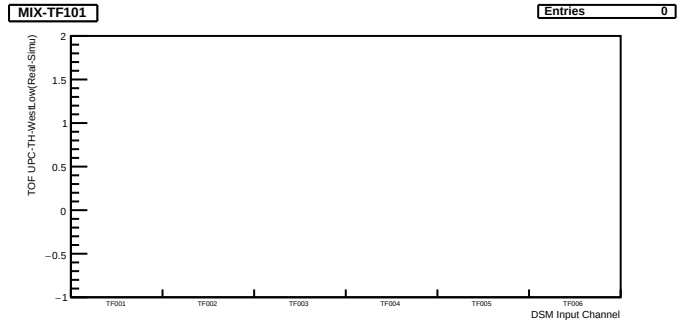

MIX-TF005
Entries 214053
TOF MULT
TOF tray

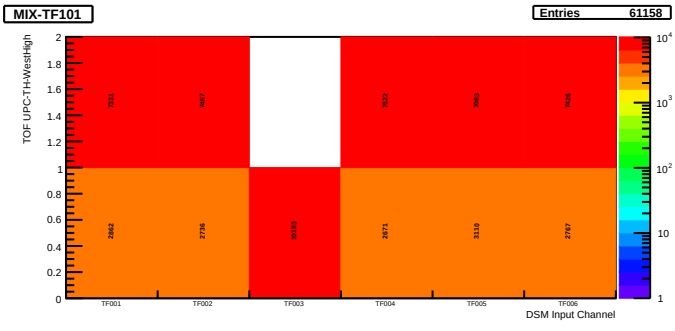

MIX-TF006
Entries 214053
TOF MULT
TOF tray

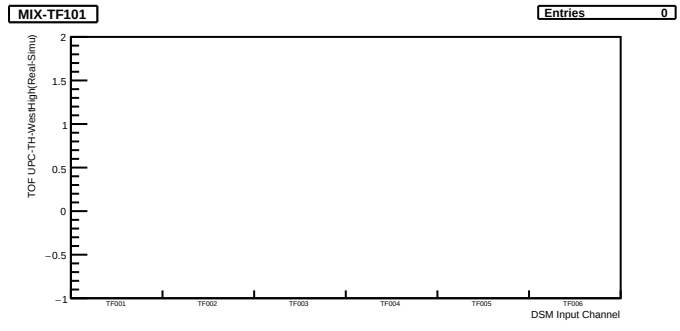

MIX-TF101
Entries 61158
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

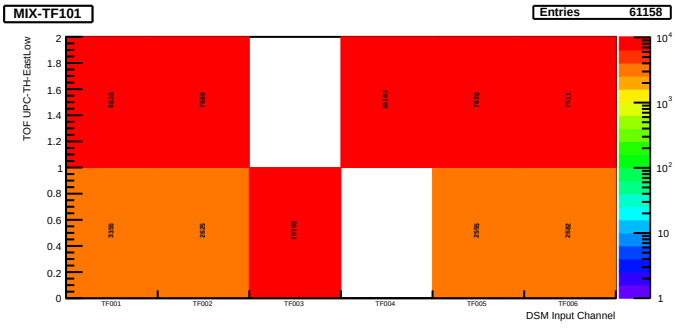

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

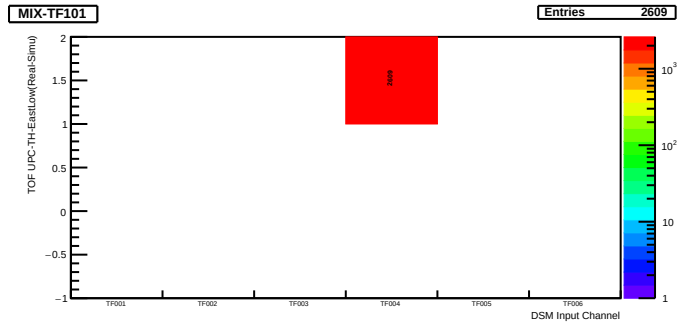

MIX-TF101
Entries 61158
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

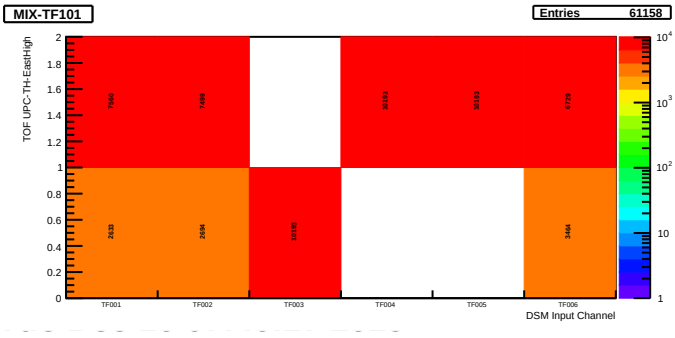

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

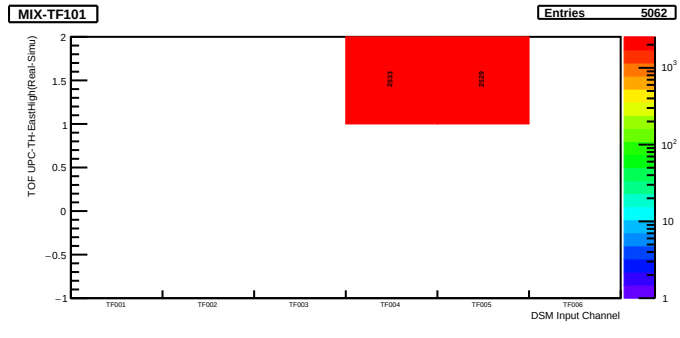

MIX-TF101
Entries 61158
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

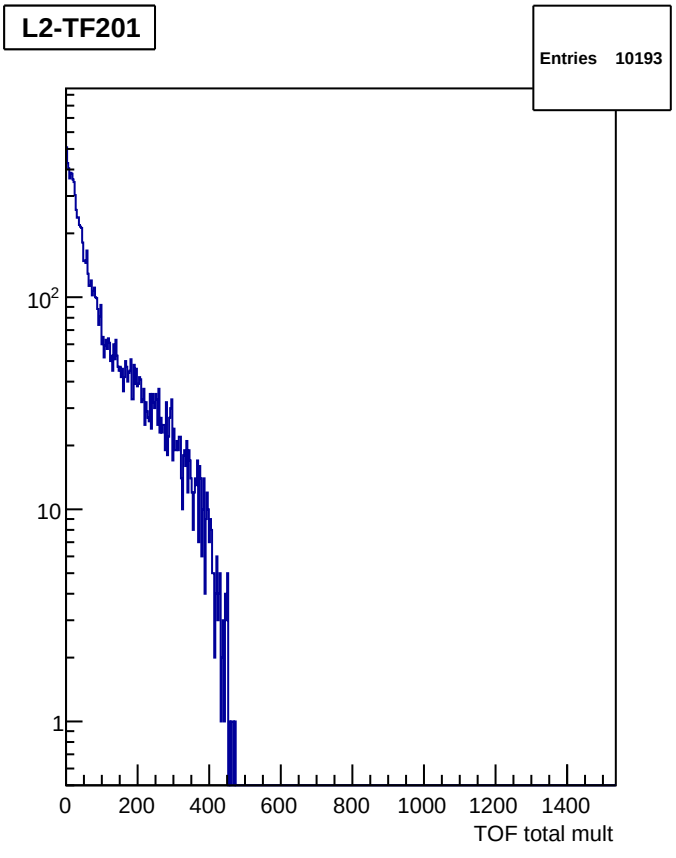

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

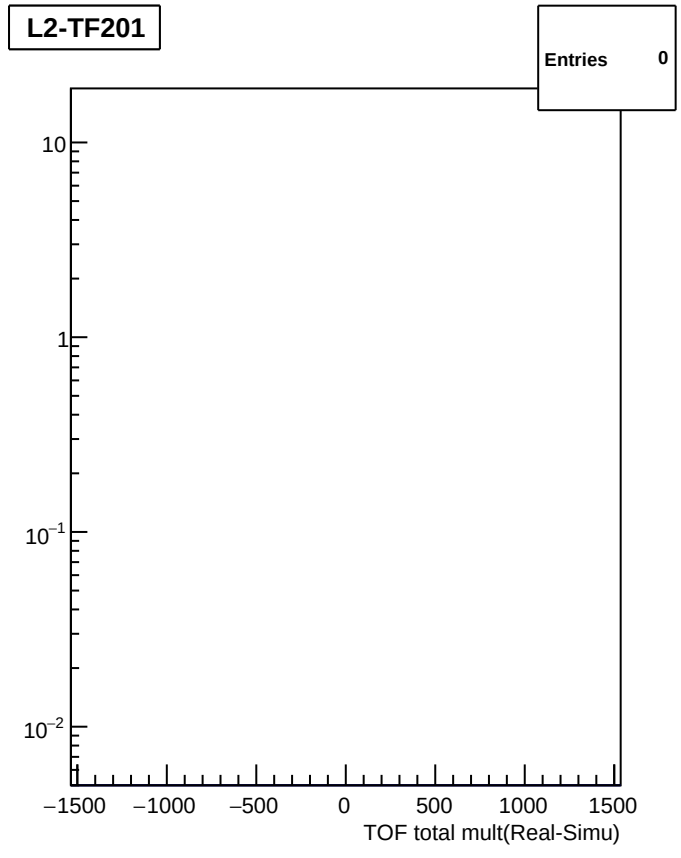

MIX-TF101
Entries 61158
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

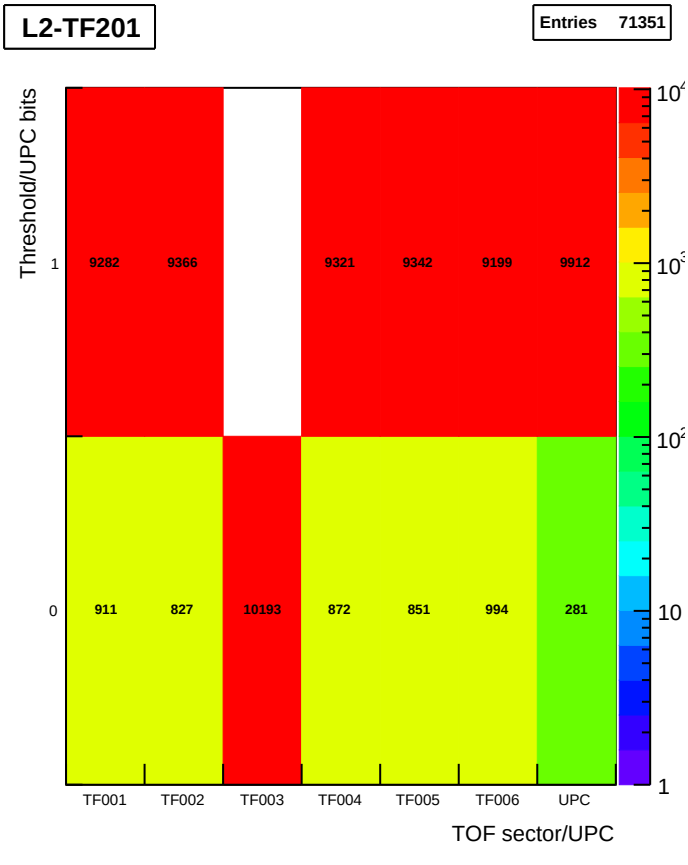

MIX-TF101
Entries 2609
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

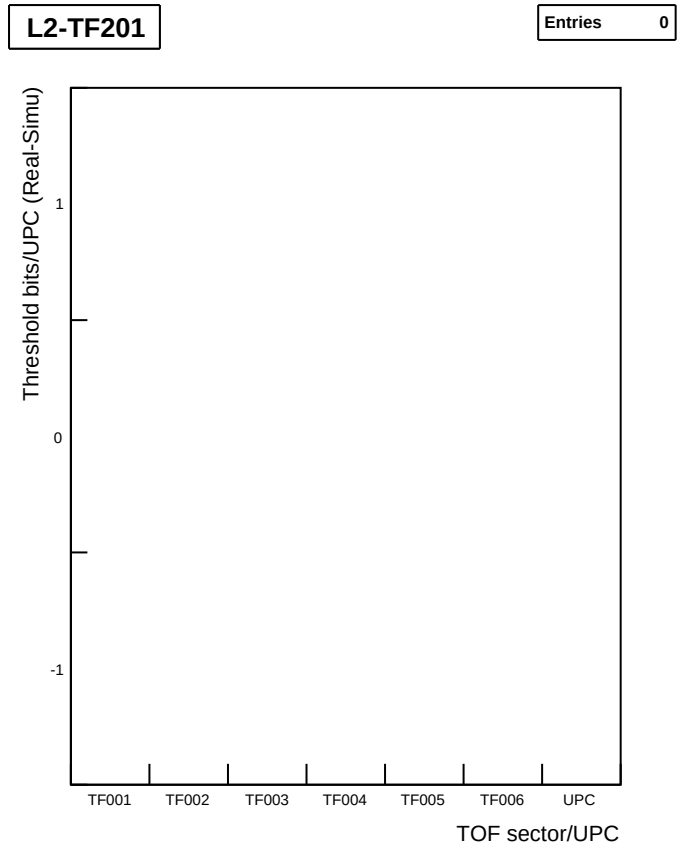

MIX-TF101
Entries 61158
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

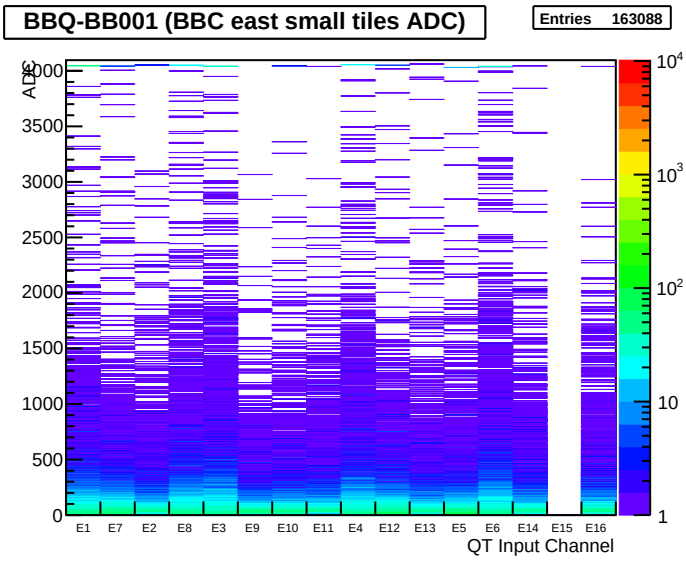

MIX-TF101
Entries 5062
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

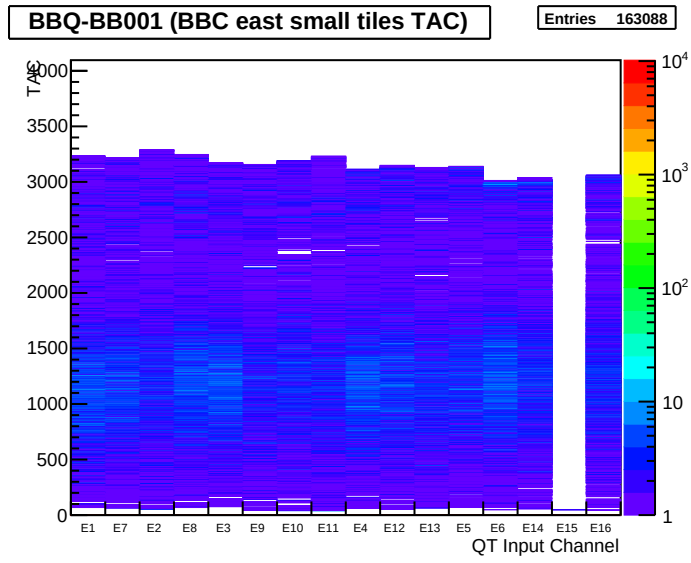

L2-TF201
Entries 10193
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

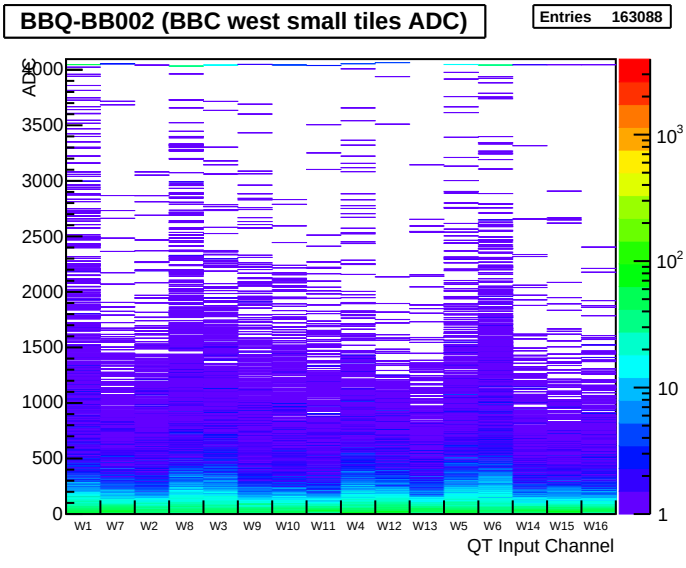

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

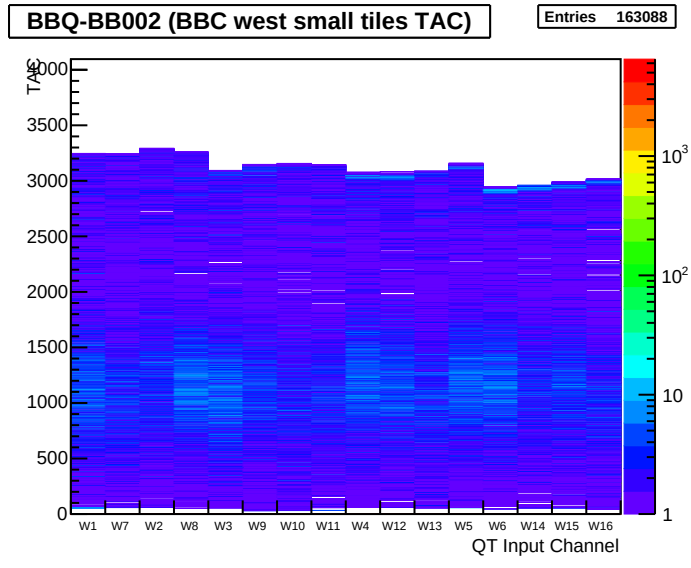

L2-TF201
Entries 71351
Threshold/UPC bits
1
0
9282
9366
9321
9342
9199
9912
911
827
10193
872
851
994
281
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC
10
1

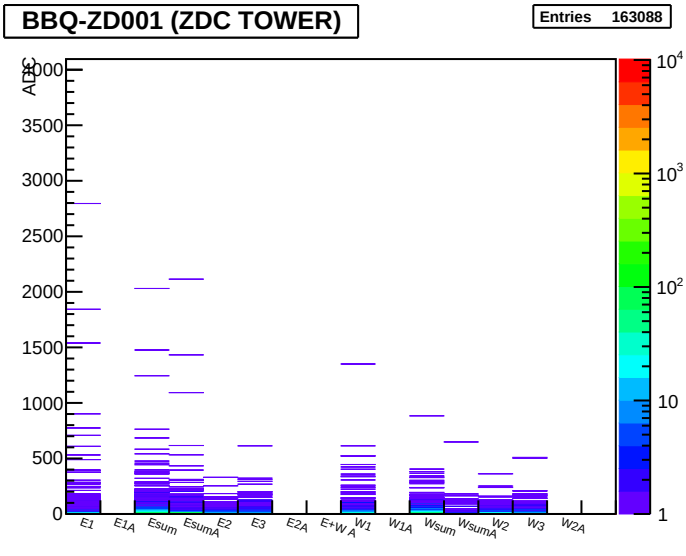

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

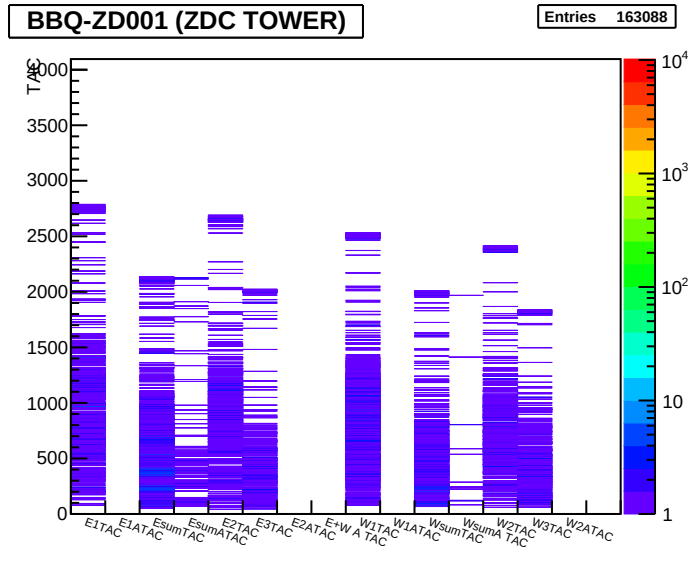

BBQ-BB001 (BBC east small tiles ADC)
Entries 163088
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

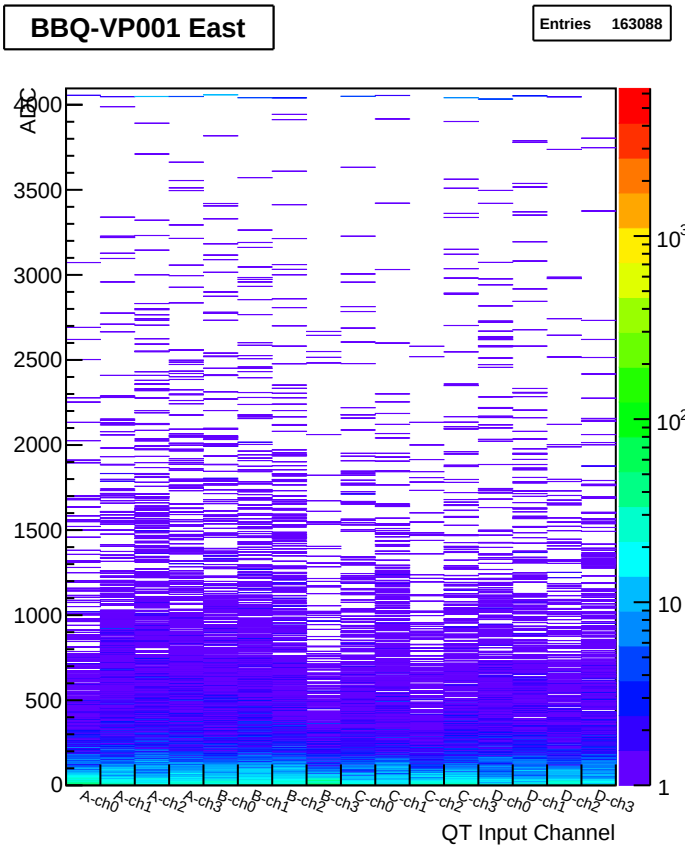

BBQ-BB001 (BBC east small tiles TAC)
Entries 163088
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

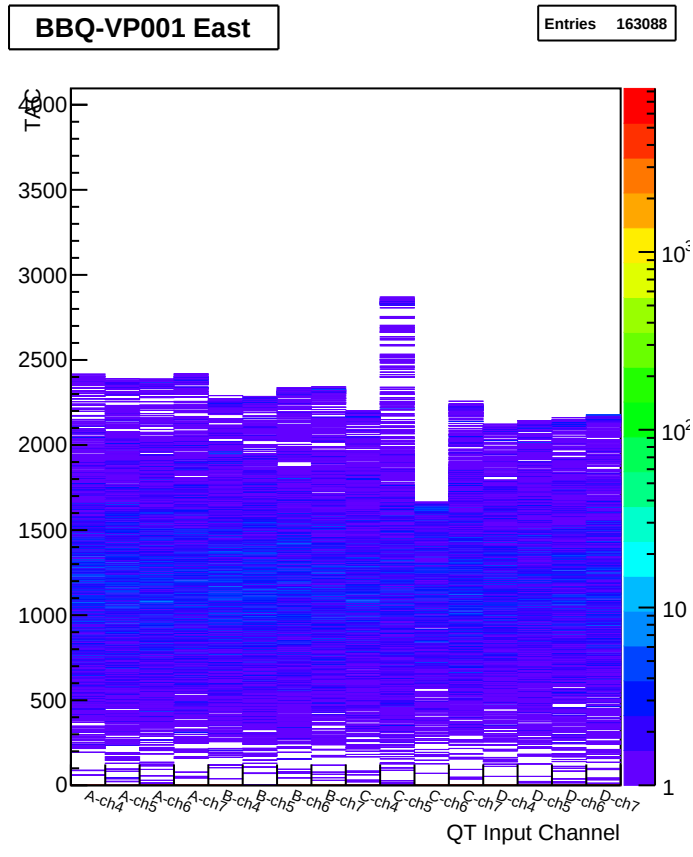

BBQ-BB002 (BBC west small tiles ADC)
Entries 163088
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

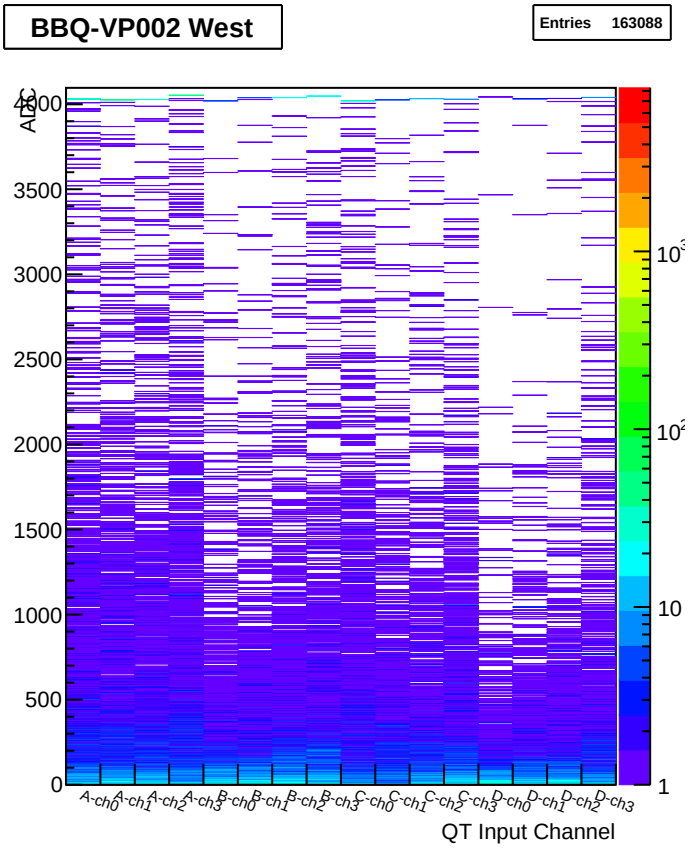

BBQ-BB002 (BBC west small tiles TAC)
Entries 163088
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

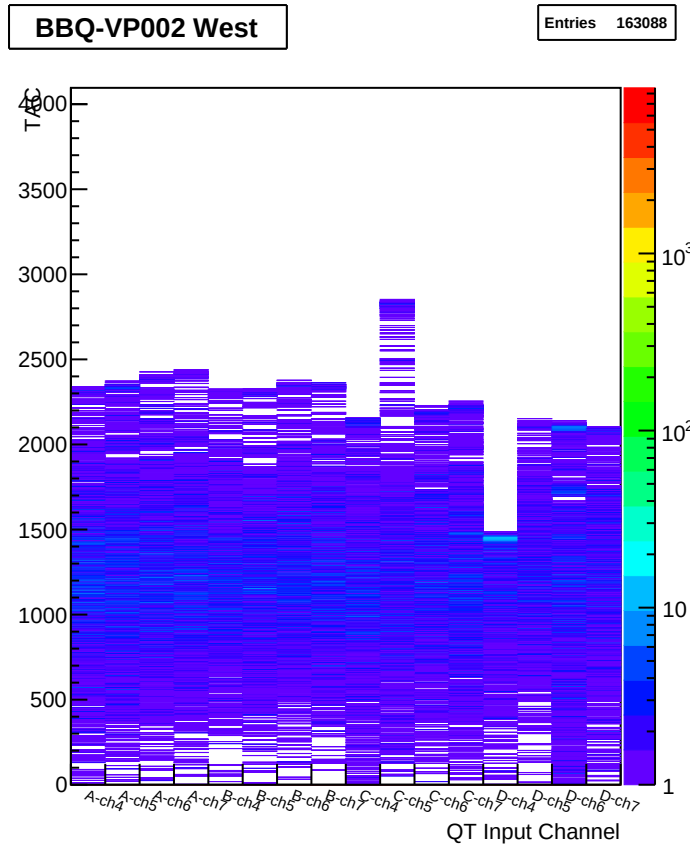

BBQ-ZD001 (ZDC TOWER)
Entries 163088
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

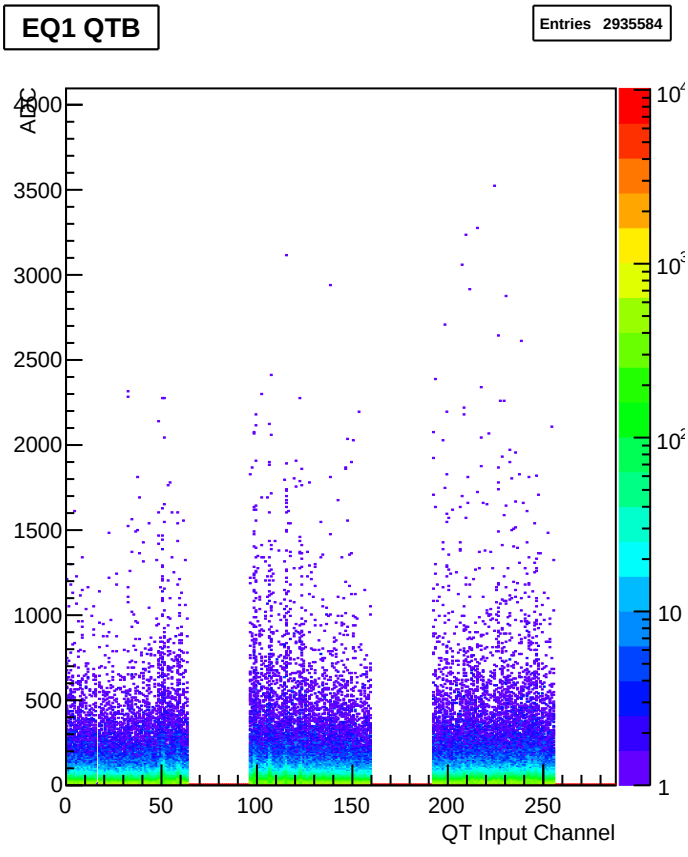

BBQ-ZD001 (ZDC TOWER)
Entries 163088
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

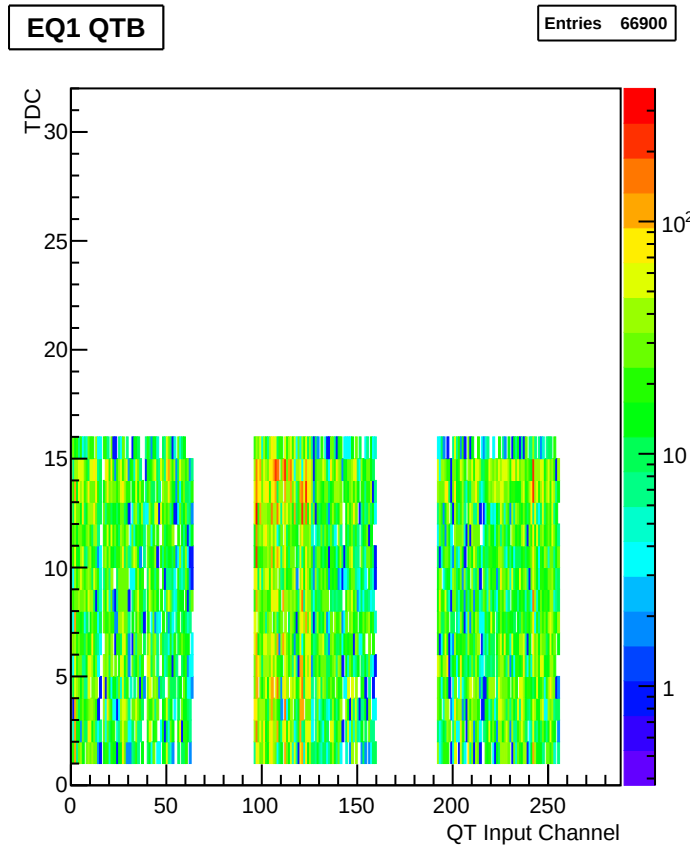

BBQ-VP001 East
Entries 163088
ADC
QT Input Channel

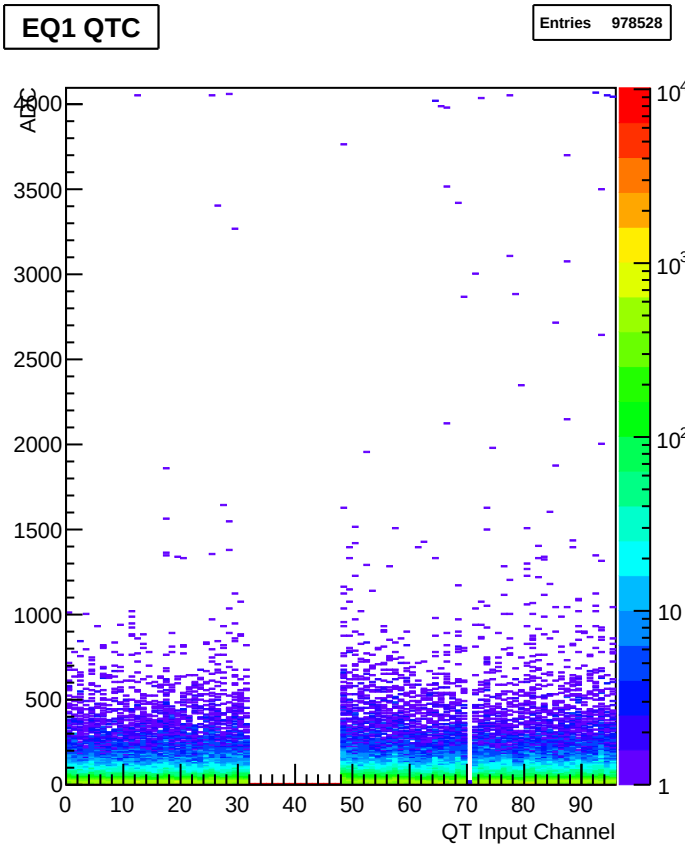

BBQ-VP001 East
Entries 163088
TADC
QT Input Channel

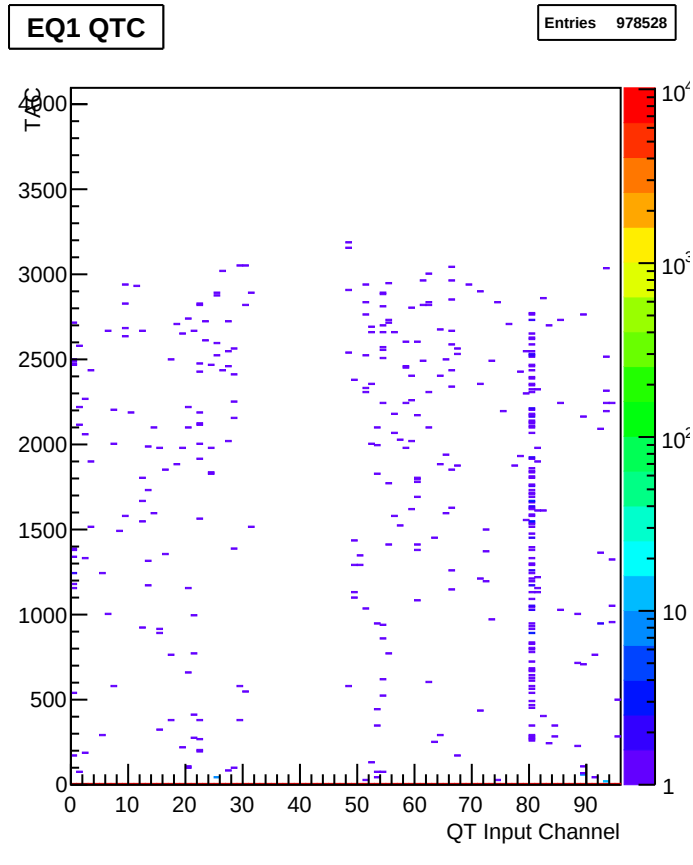

BBQ-VP002 West
Entries 163088
ADC
QT Input Channel

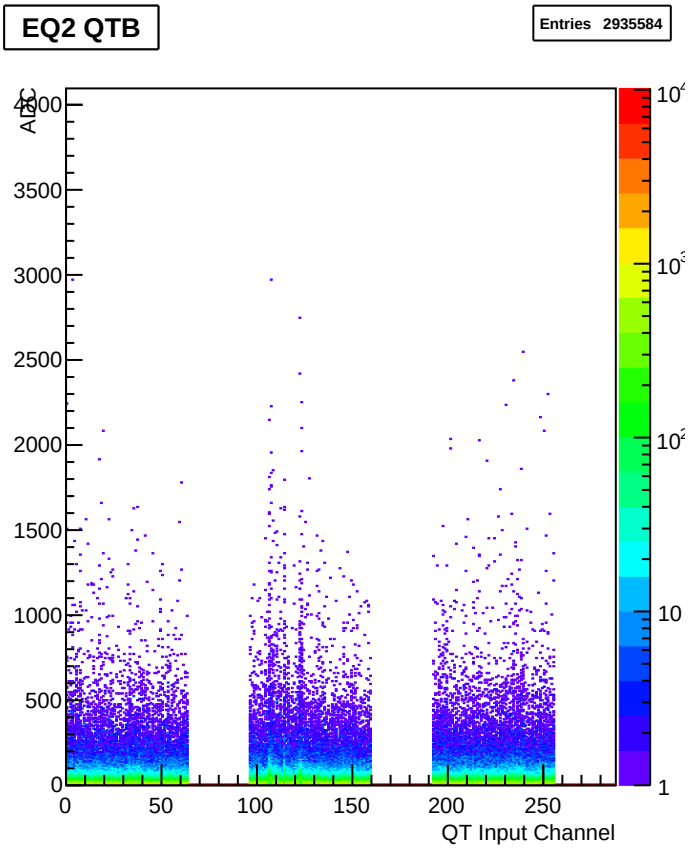

BBQ-VP002 West
Entries 163088
TADC
QT Input Channel

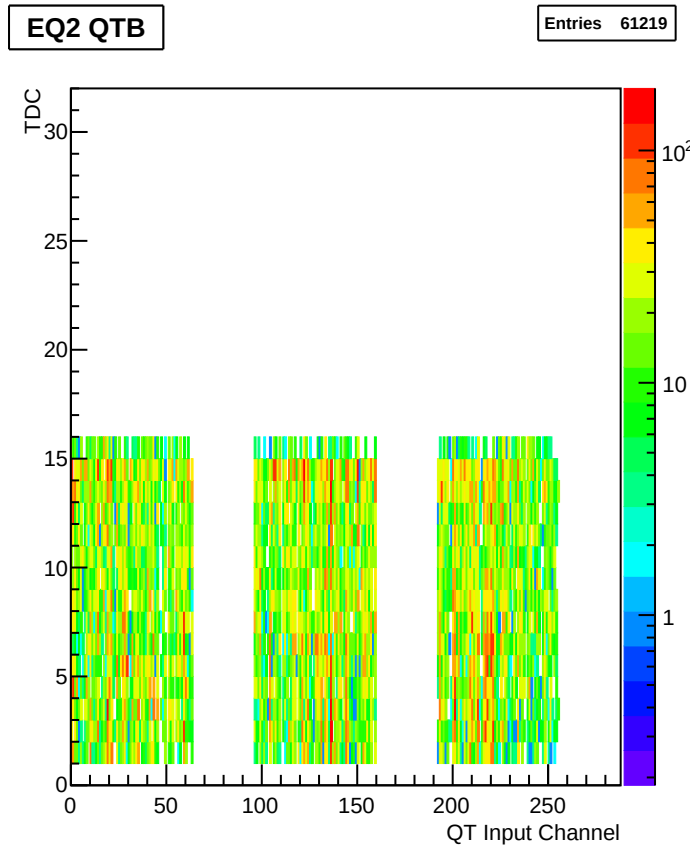

EQ1 QTB
Entries 2935584
ADC
QT Input Channel

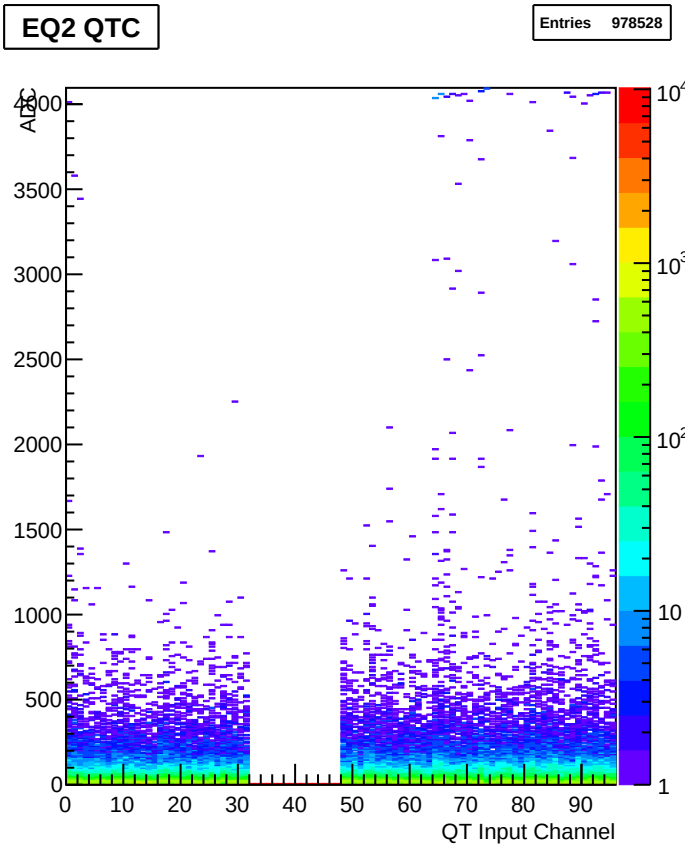

EQ1 QTB
Entries 66900
TDC
QT Input Channel

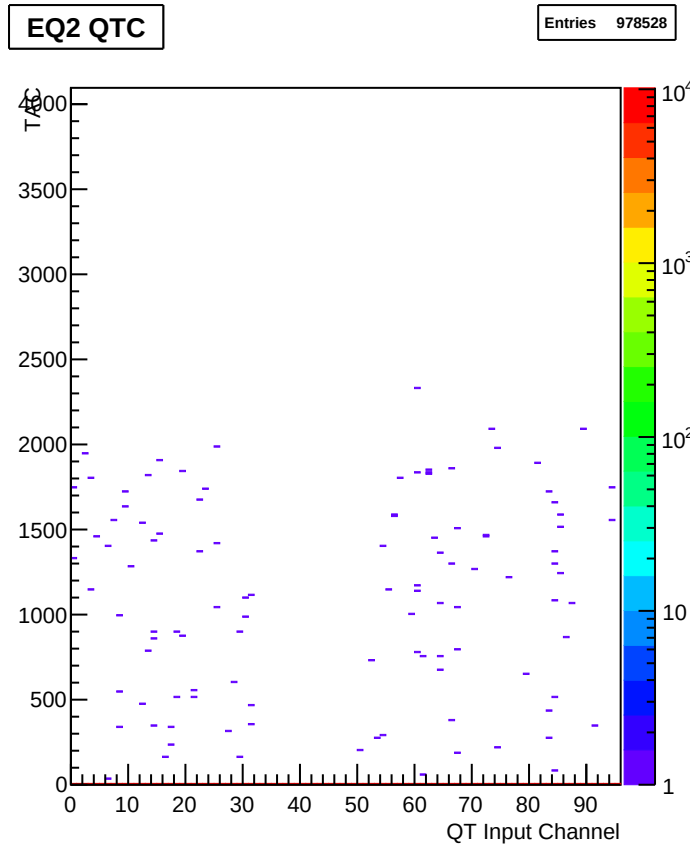

EQ1 QTC
Entries 978528
ADC
QT Input Channel

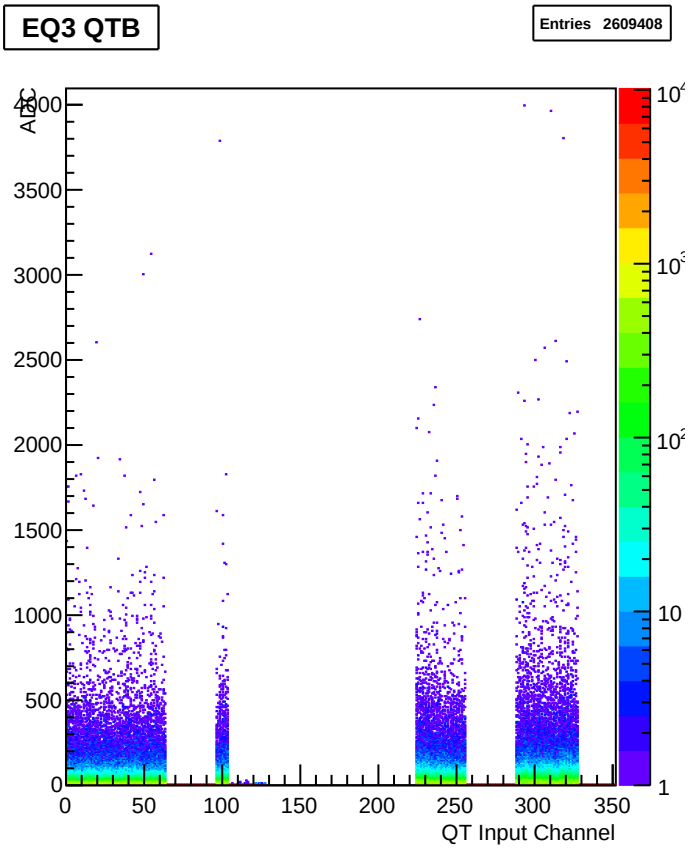

EQ1 QTC
Entries 978528
TADC
QT Input Channel

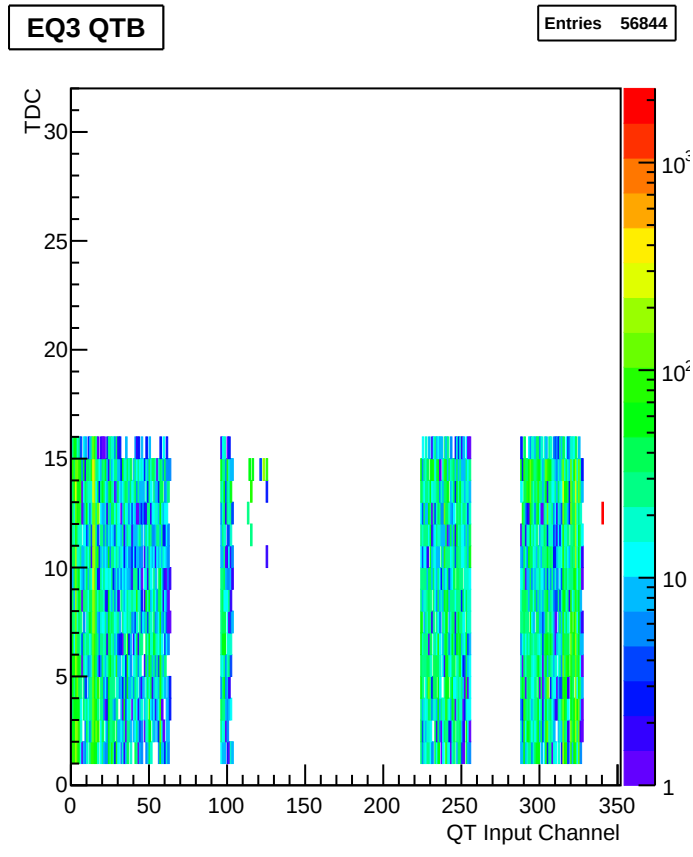

EQ2 QTB
Entries 2935584
ADC
QT Input Channel

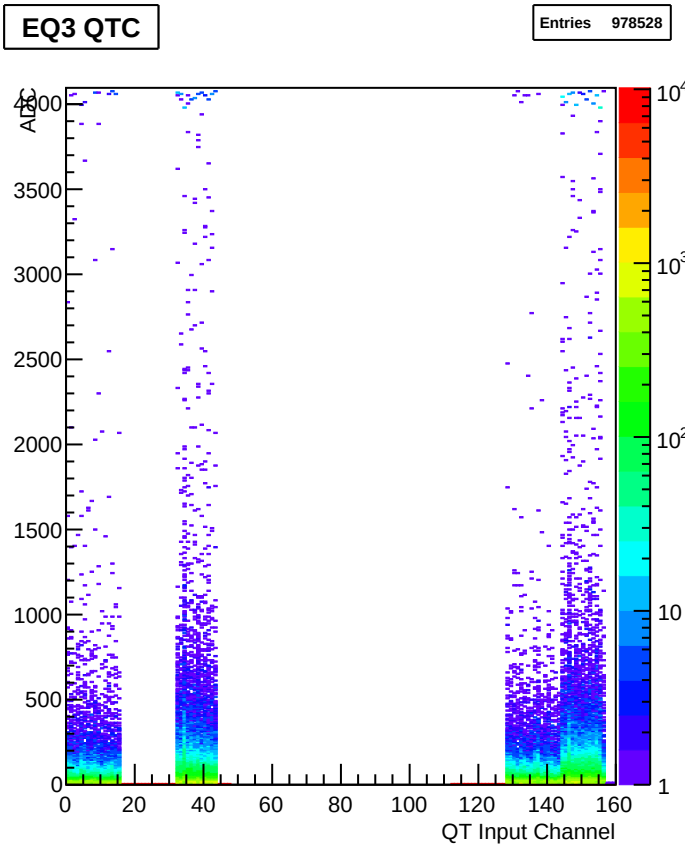

EQ2 QTB
Entries 61219
TDC
QT Input Channel

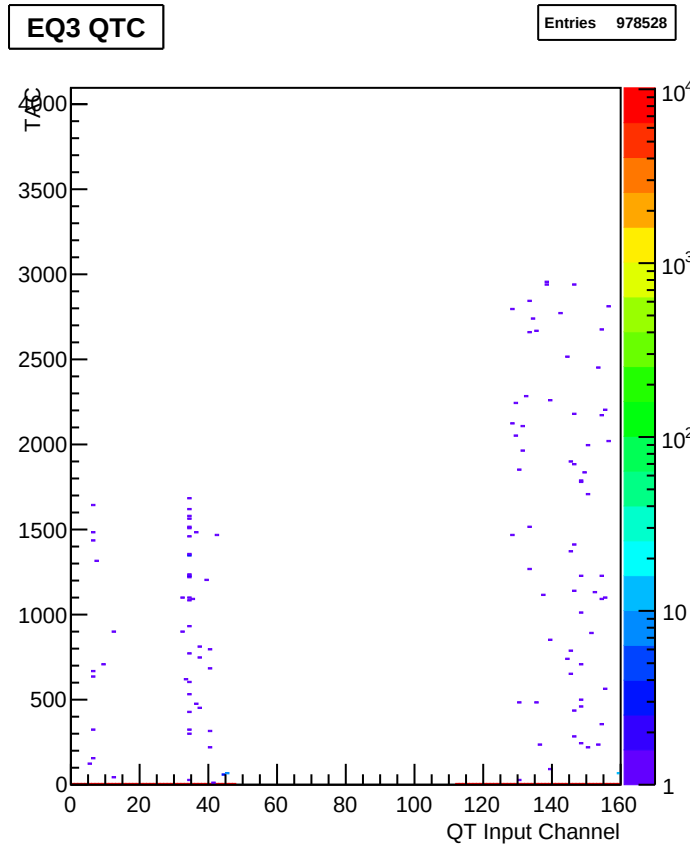

EQ2 QTC
Entries 978528
ADC
QT Input Channel

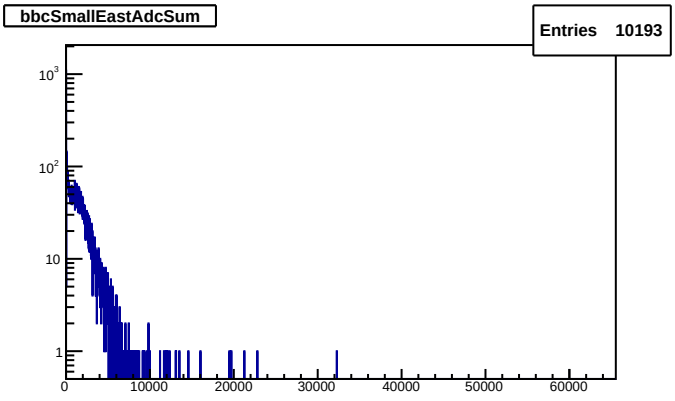

EQ2 QTC
Entries 978528
TADC
QT Input Channel

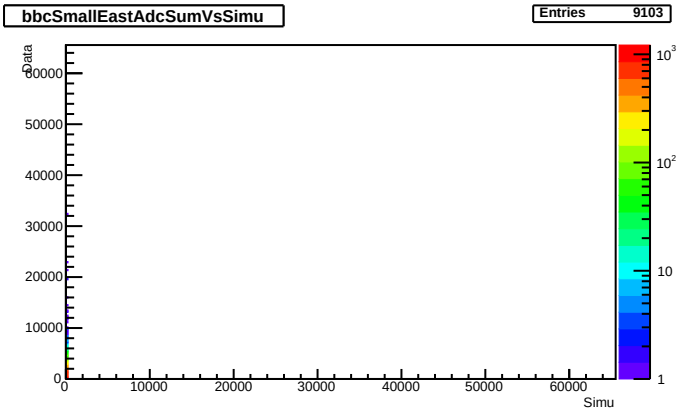

EQ3 QTB
Entries 2609408
ADC
QT Input Channel

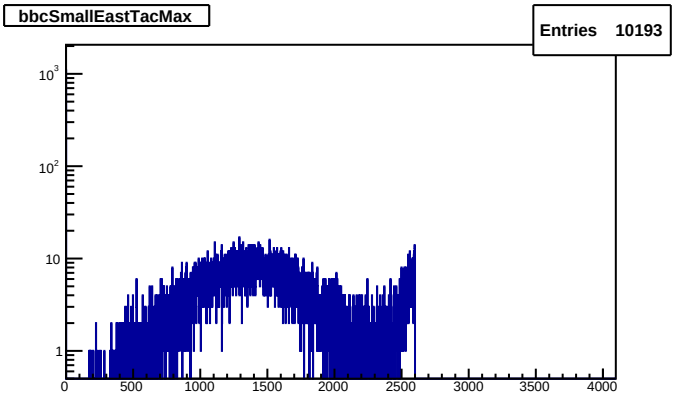

EQ3 QTB
Entries 56844
TDC
QT Input Channel

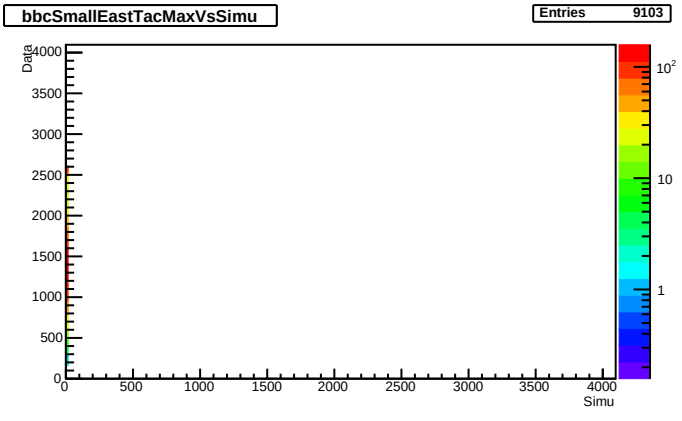

EQ3 QTC
Entries 978528
ADC
QT Input Channel

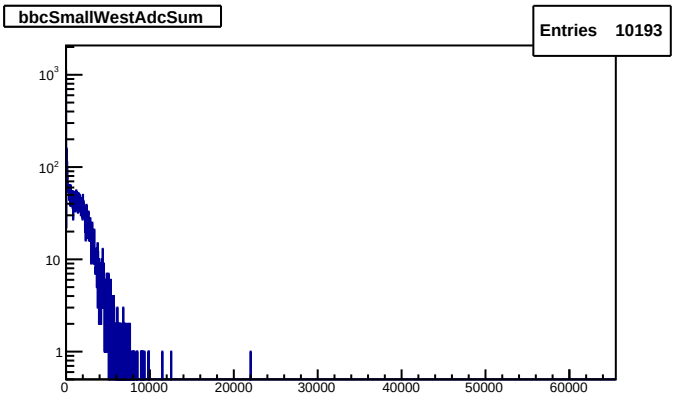

EQ3 QTC
Entries 978528
TADC
QT Input Channel

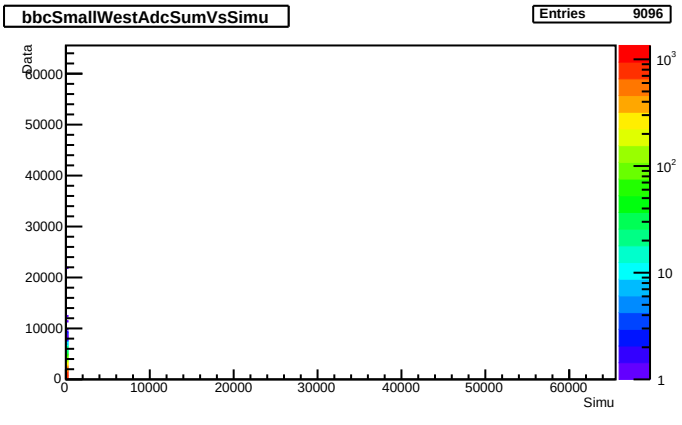

bbcSmallEastAdcSum
Entries 10193

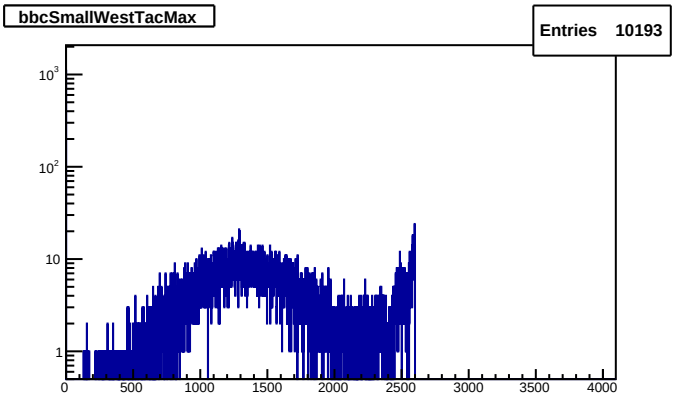

bbcSmallEastAdcSumVsSimu
Entries 9103
Data
Simu

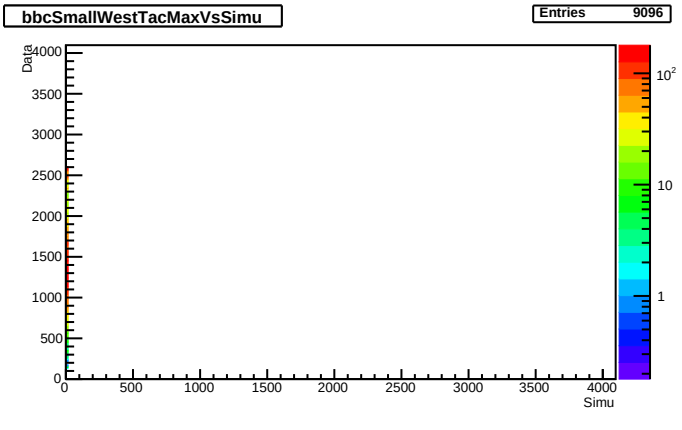

bbcSmallEastTacMax
Entries 10193

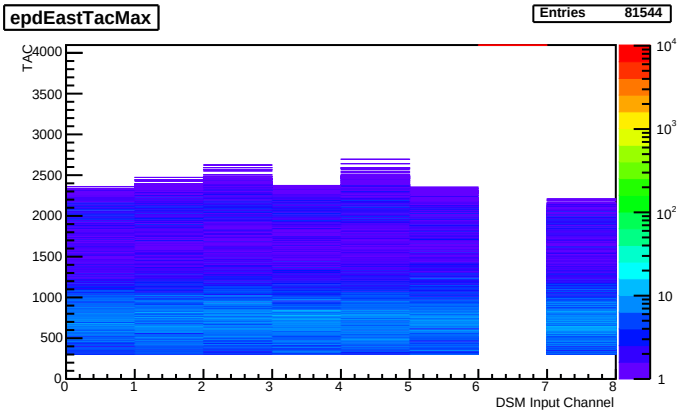

bbcSmallEastTacMaxVsSimu
Entries 9103
Data
Simu

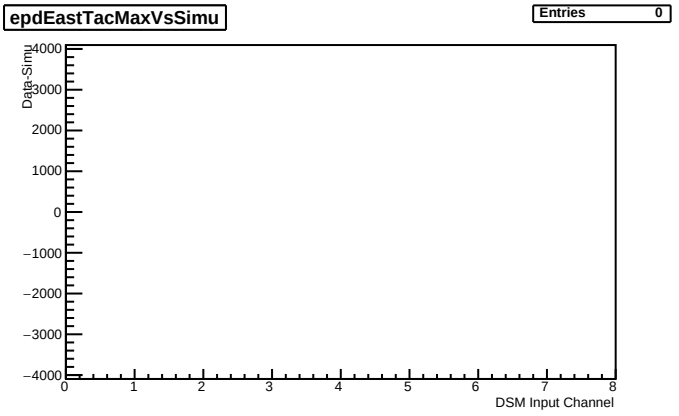

bbcSmallWestAdcSum
Entries 10193

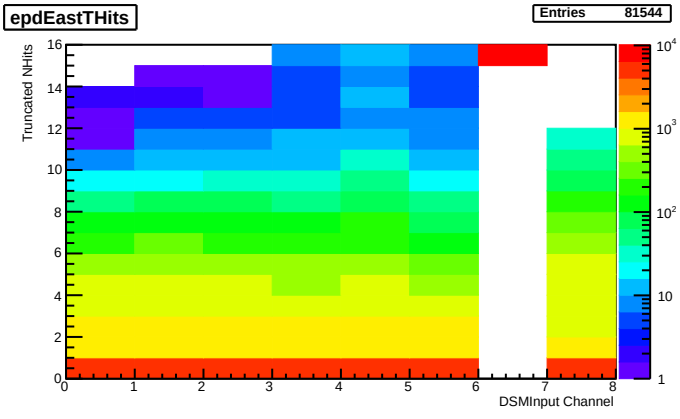

bbcSmallWestAdcSumVsSimu
Entries 9096
Data
Simu

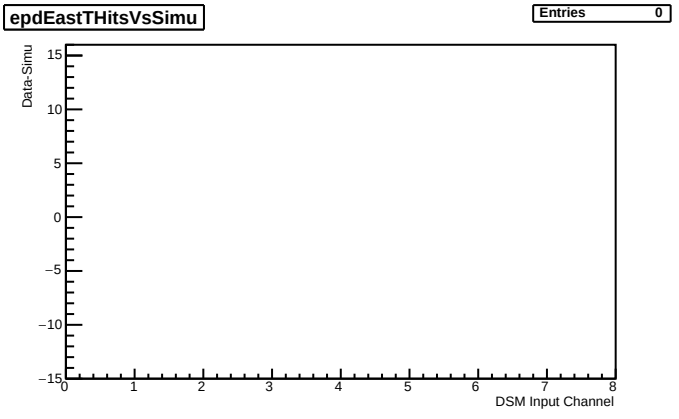

bbcSmallWestTacMax
Entries 10193

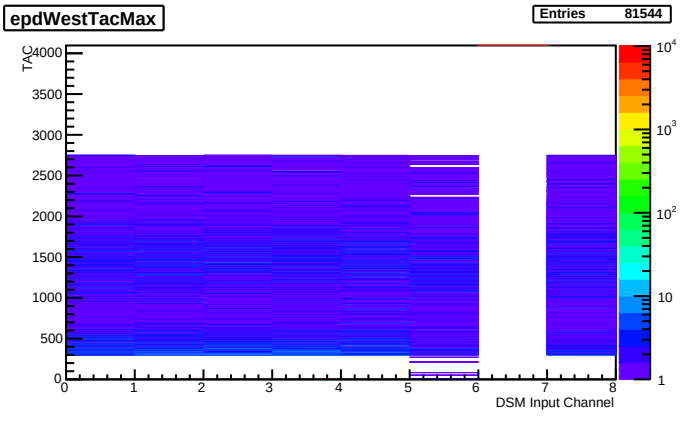

bbcSmallWestTacMaxVsSimu
Entries 9096
Data
Simu

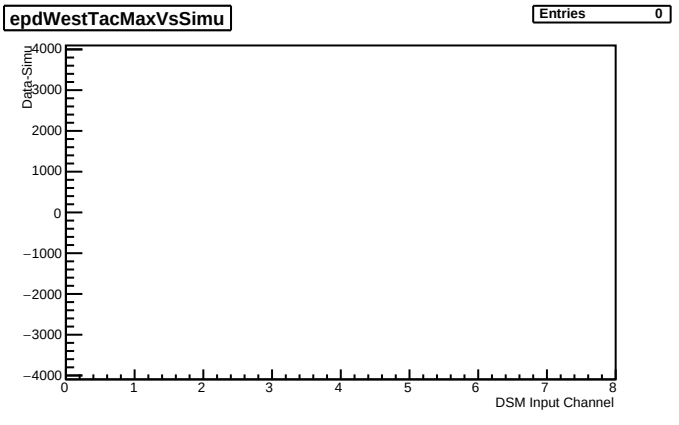

epdEastTacMax
Entries 81544
TAC
DSM Input Channel

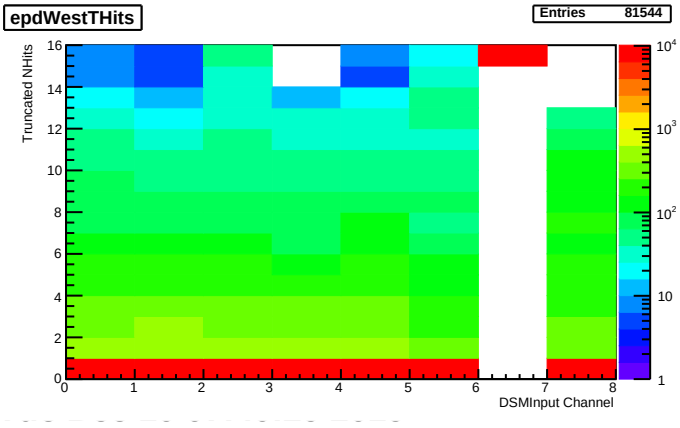

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

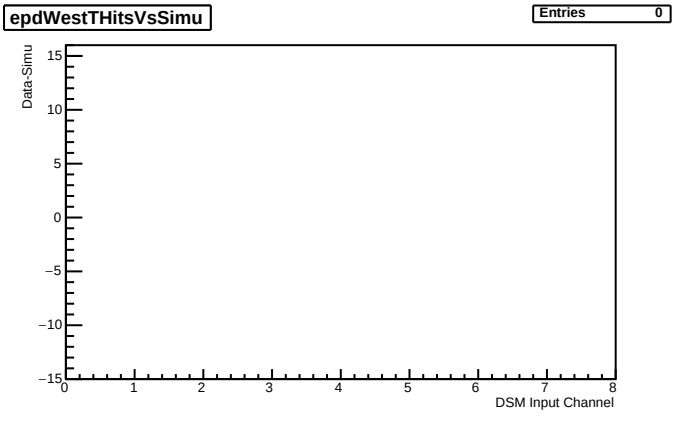

epdEastTHits
Entries 81544
Truncated NHits
DSMInput Channel

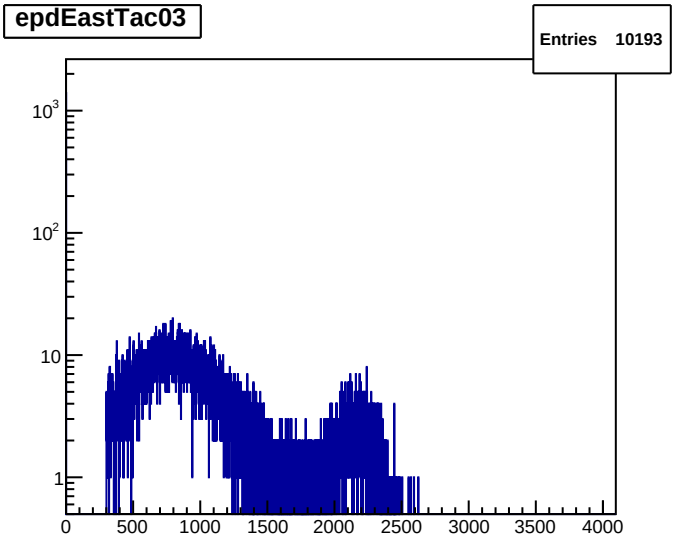

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

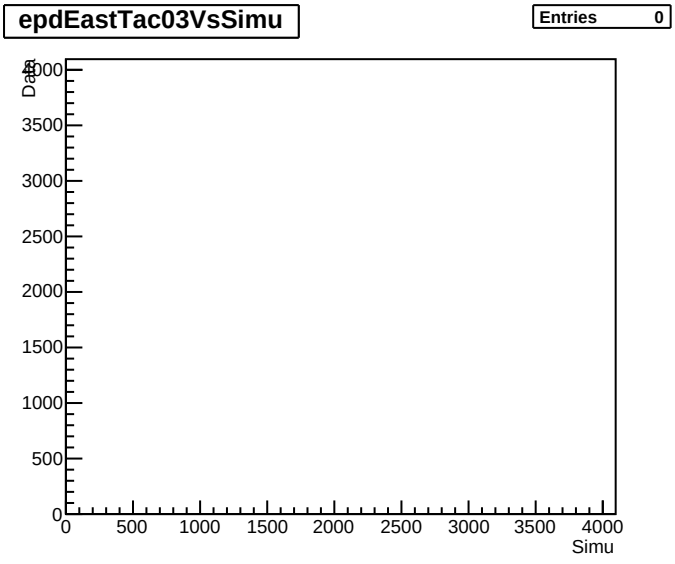

epdWestTacMax
Entries 81544
TAC
DSM Input Channel

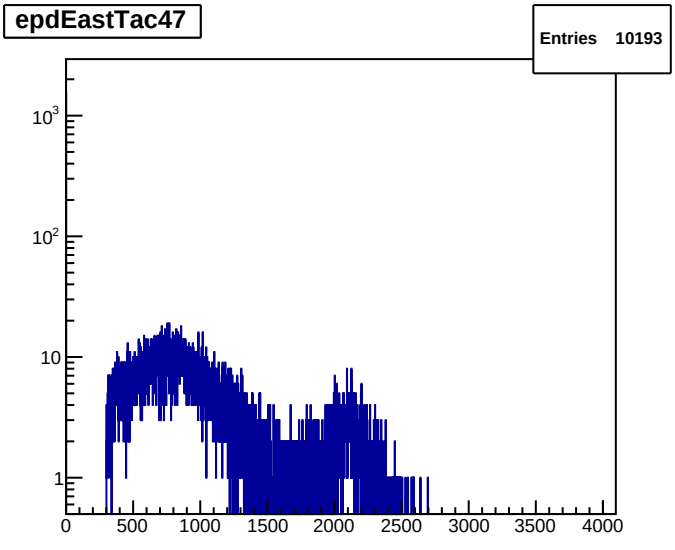

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

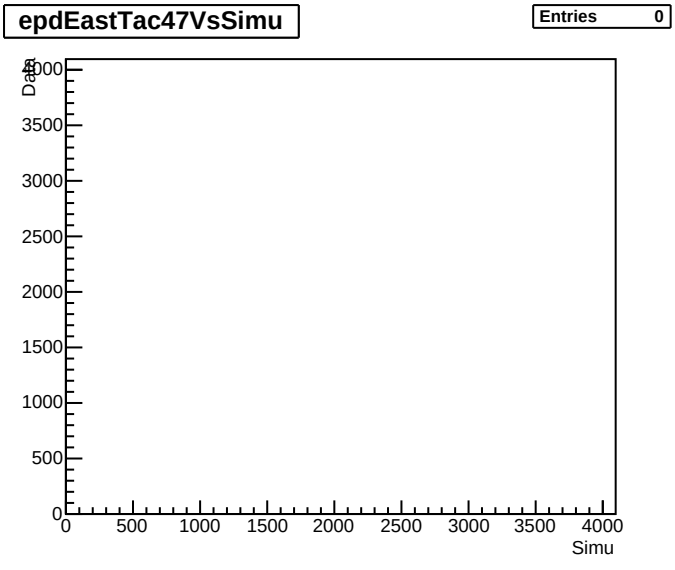

epdWestTHits
Entries 81544
Truncated NHits
DSMInput Channel

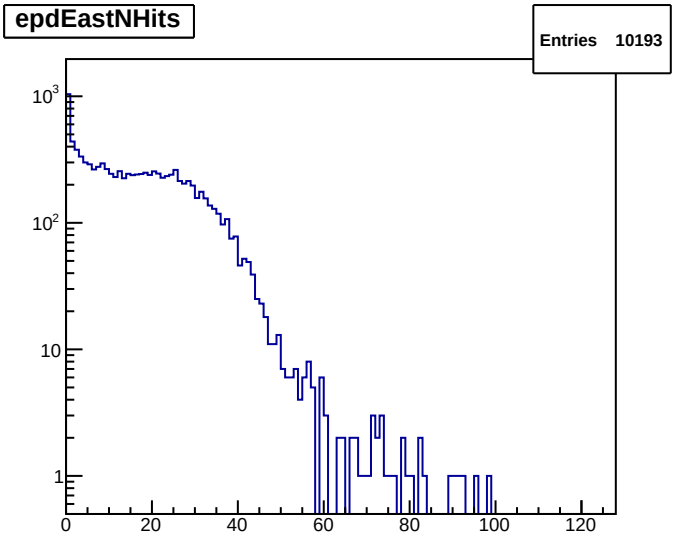

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

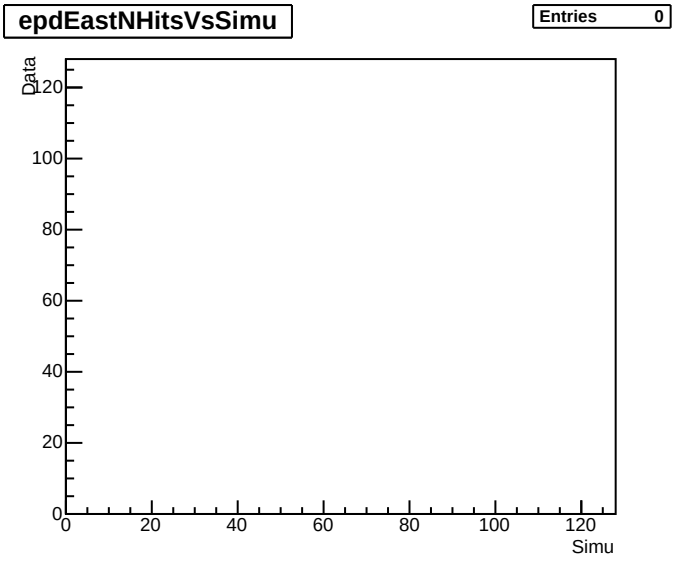

epdEastTac03
Entries 10193


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 10193


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 10193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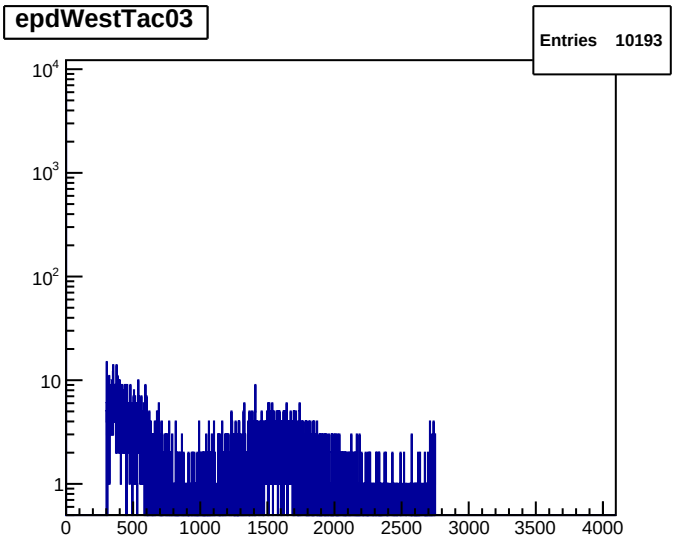
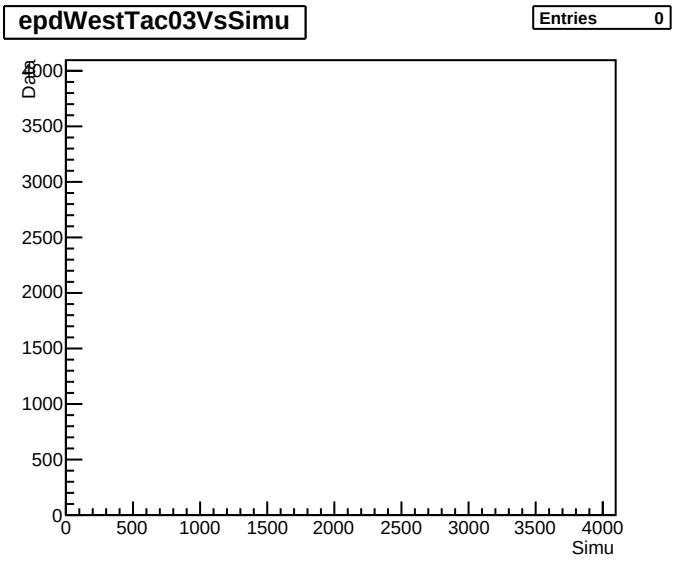
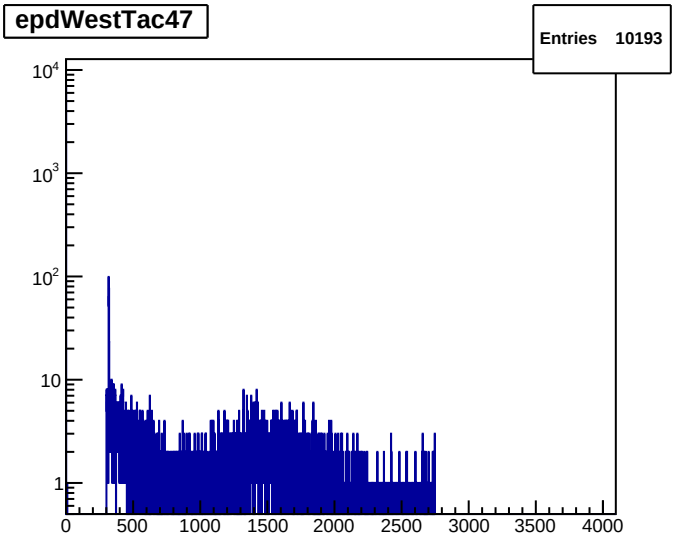
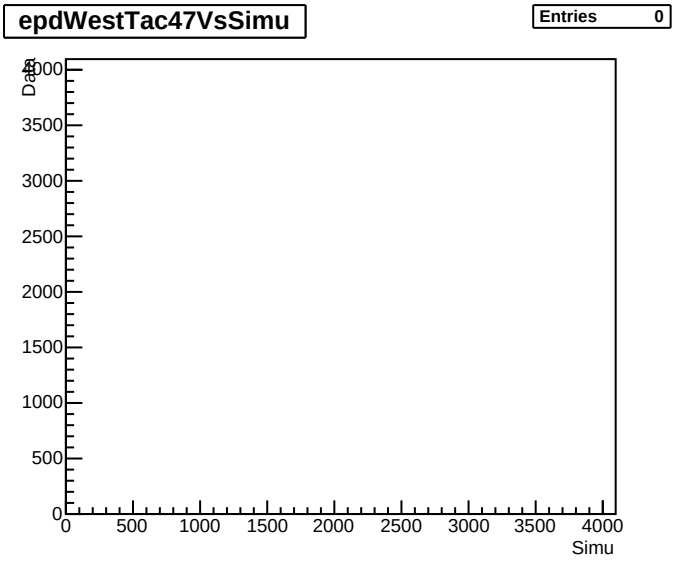
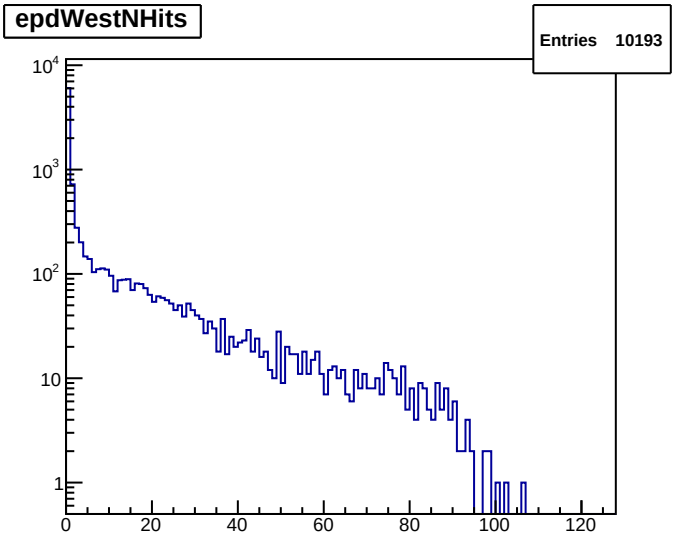
Entries 0
Data
Simu

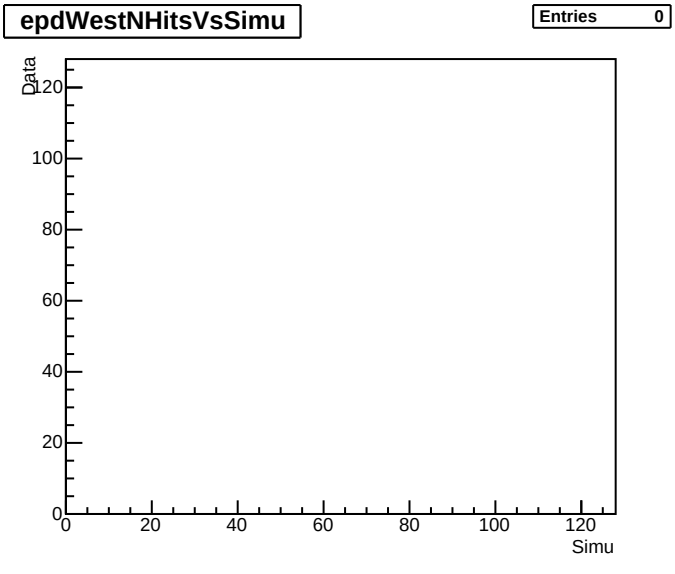

epdWestTac03
Entries 10193

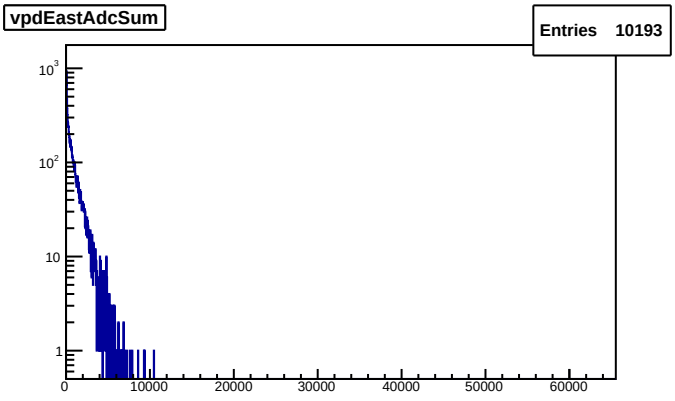

epdWestTac03VsSimu
Entries 0
Data
Simu

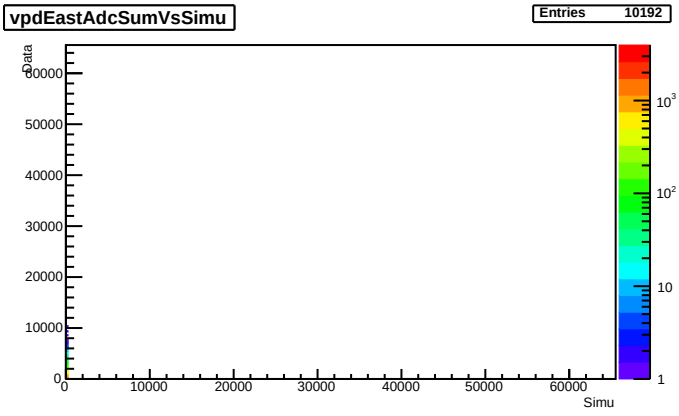

epdWestTac47
Entries 10193

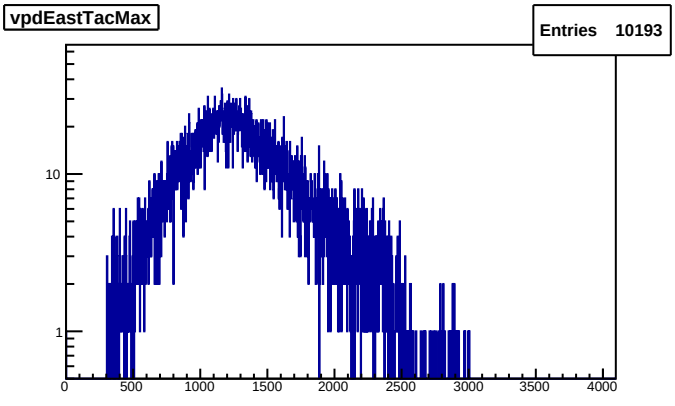

epdWestTac47VsSimu
Entries 0
Data
Simu

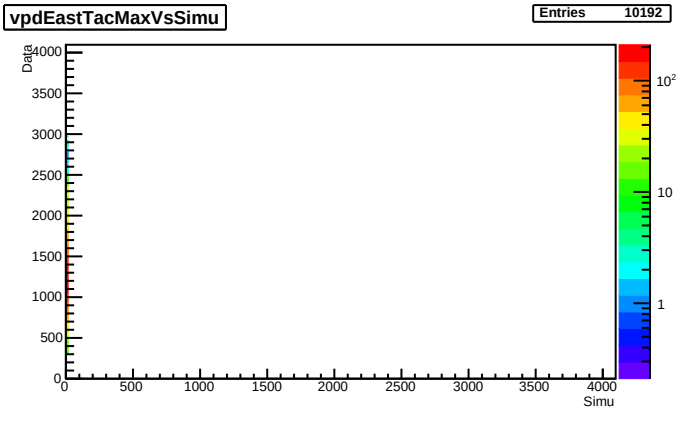

epdWestNHits
Entries 10193

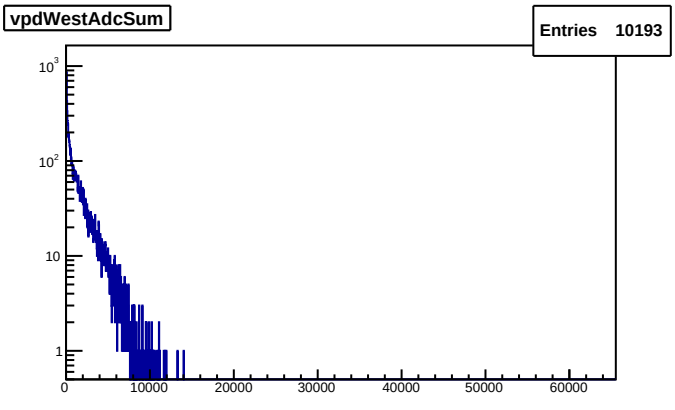

epdWestNHitsVsSimu
Entries 0
Data
Simu

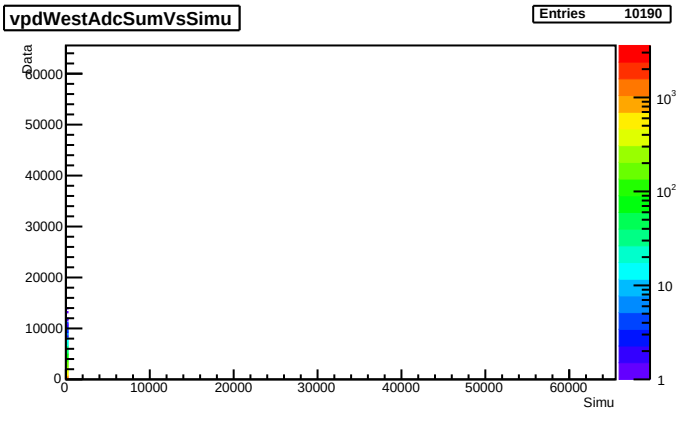

vpdEastAdcSum
Entries 10193

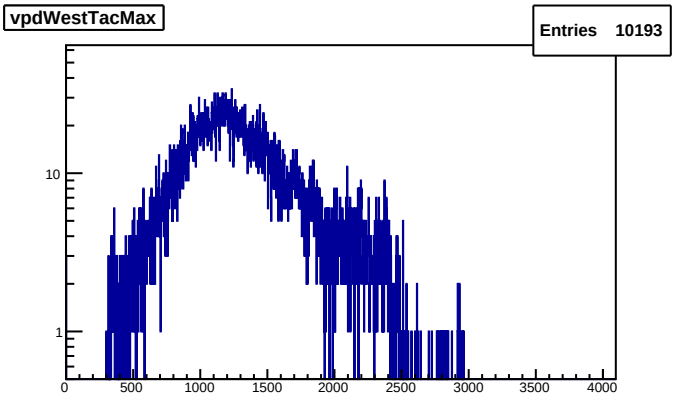

vpdEastAdcSumVsSimu
Entries 10192
Data
Simu

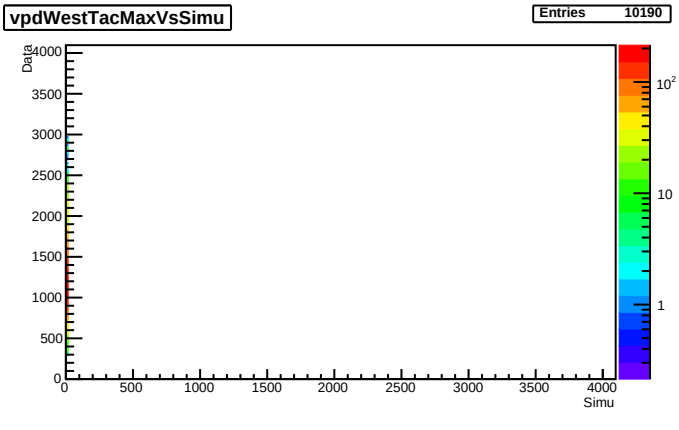

vpdEastTacMax
Entries 10193

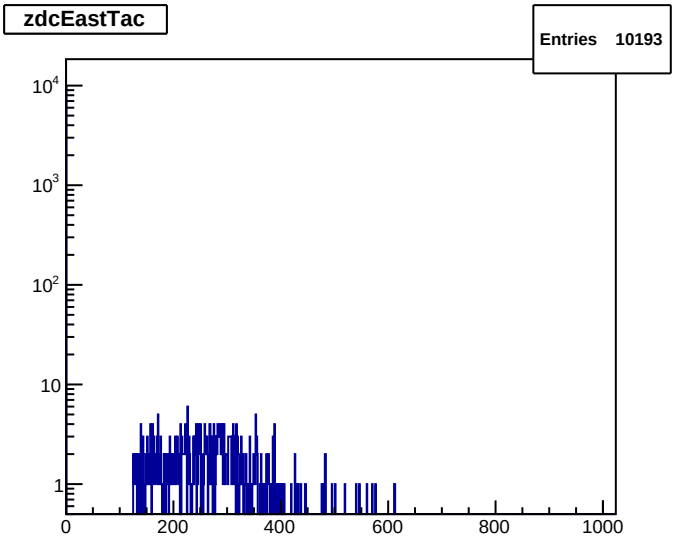

vpdEastTacMaxVsSimu
Entries 10192
Data
Simu

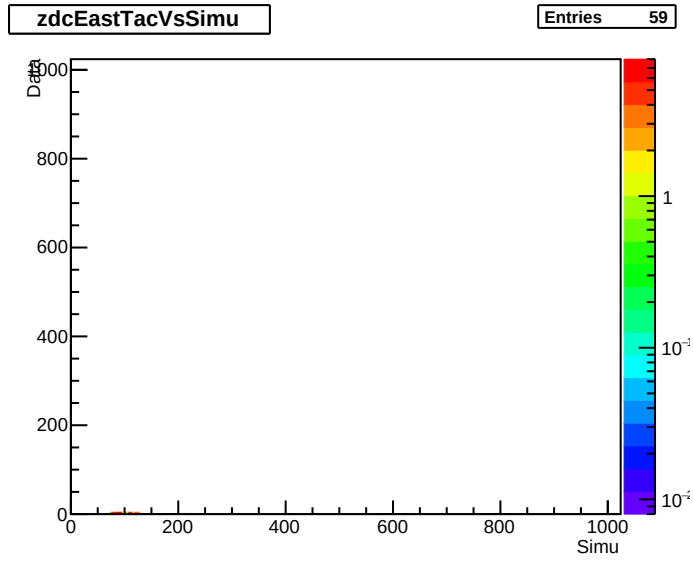

vpdWestAdcSum
Entries 10193

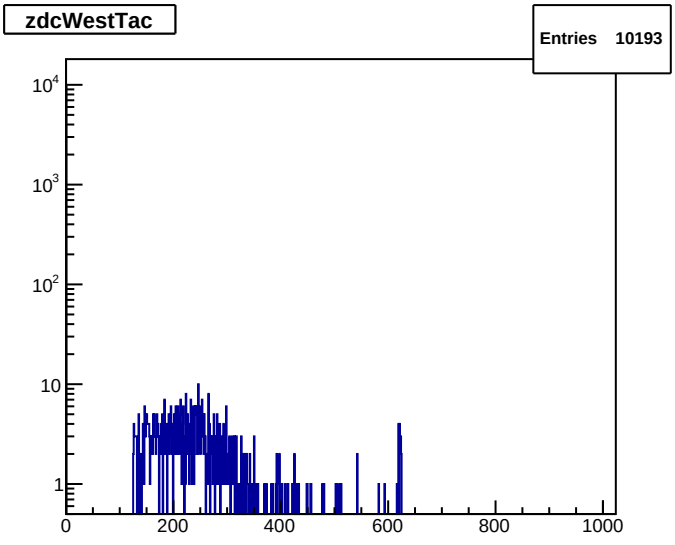

vpdWestAdcSumVsSimu
Entries 10190
Data
Simu

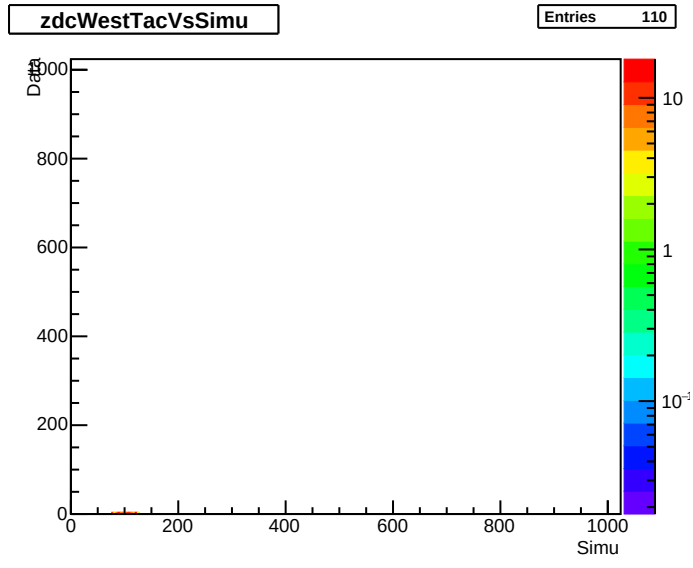

vpdWestTacMax
Entries 10193

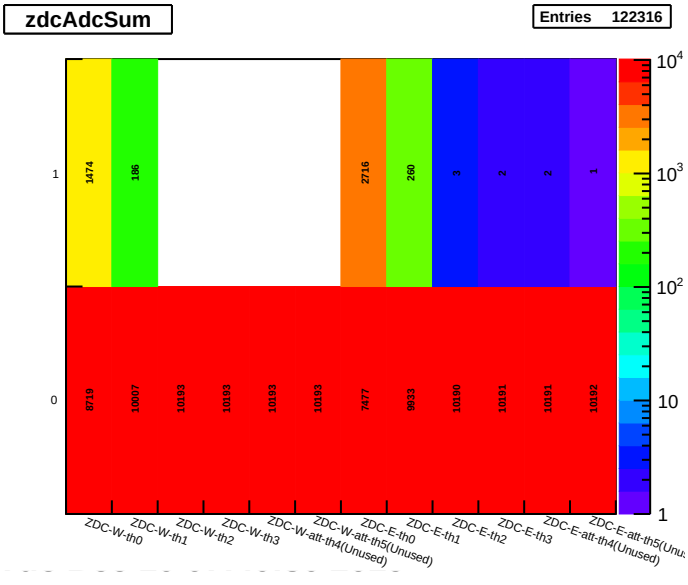

vpdWestTacMaxVsSimu
Entries 10190
Data
Simu

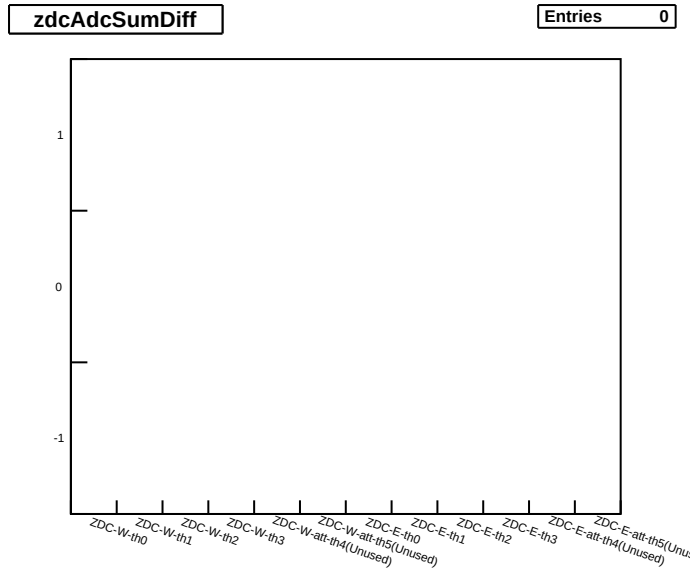

zdcEastTac
Entries 10193

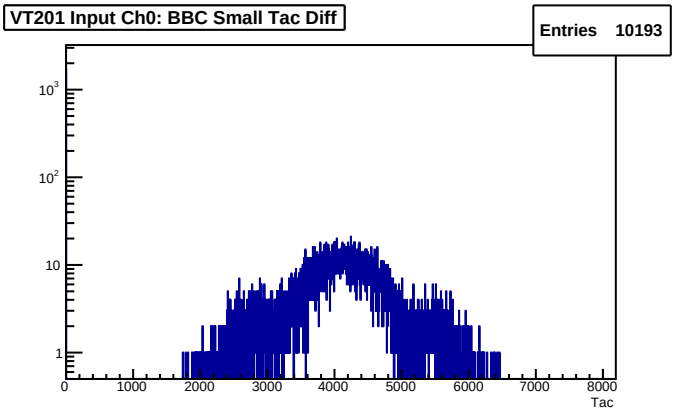

zdcEastTacVsSimu
Entries 59
Data
Simu

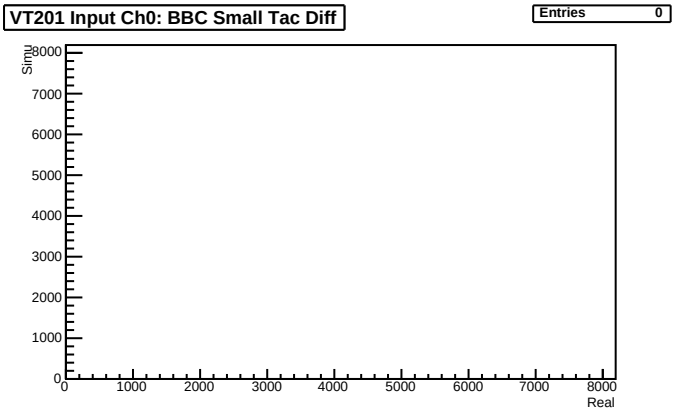

zdcWestTac
Entries 10193

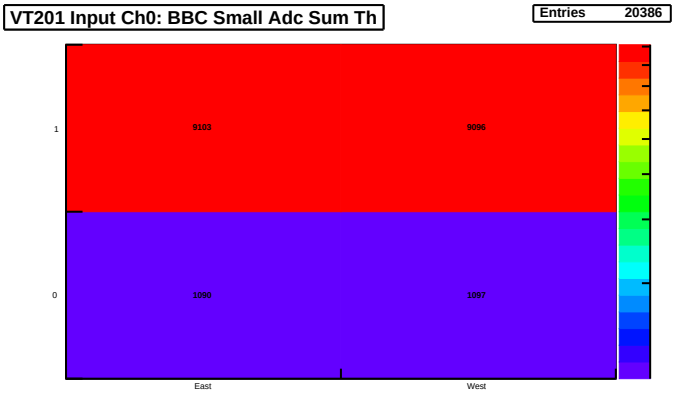

zdcWestTacVsSimu
Entries 110
Data
Simu

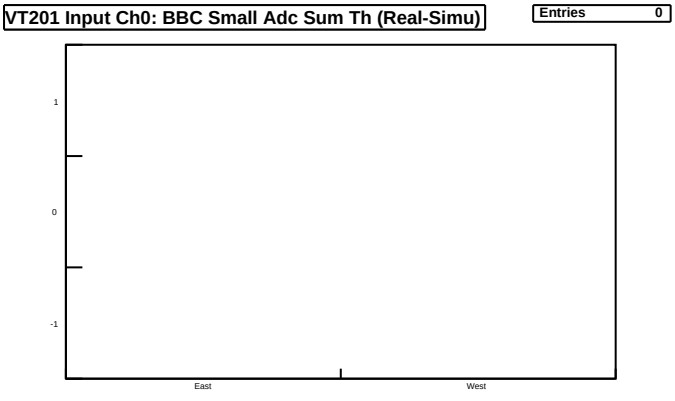

zdcAdcSum
Entries 122316
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

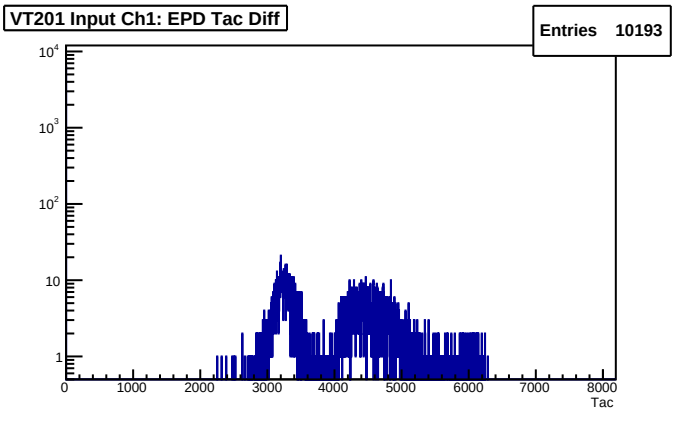

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

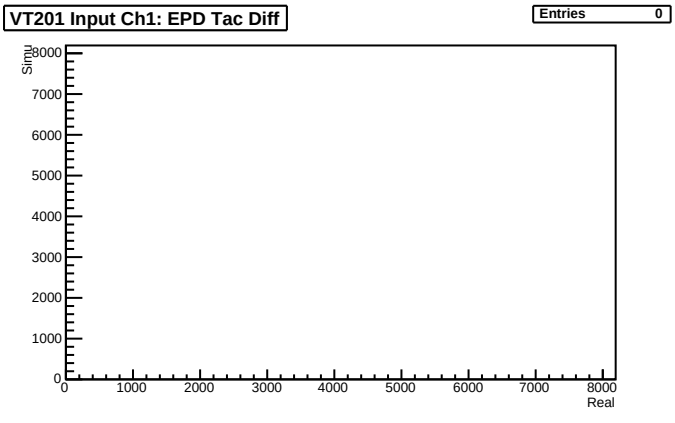

VT201 Input Ch0: BBC Small Tac Diff
Entries 10193
Tac

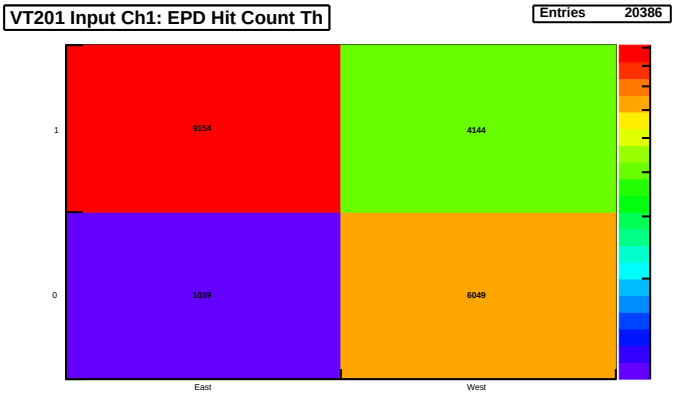

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

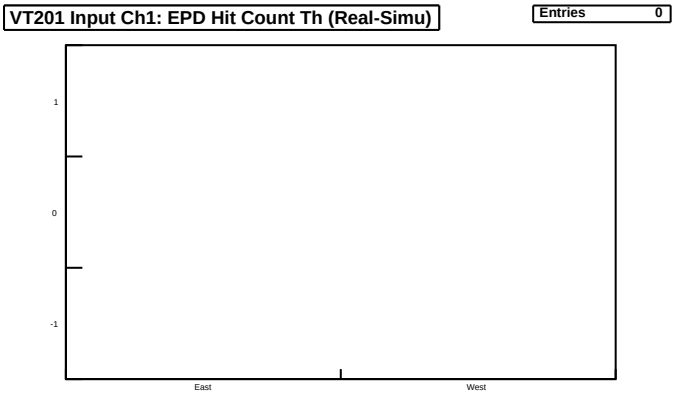

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 20386
9103
9096
1090
1097
East
West

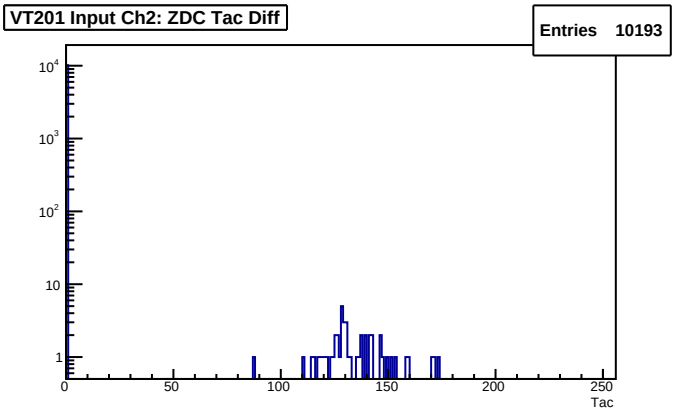

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

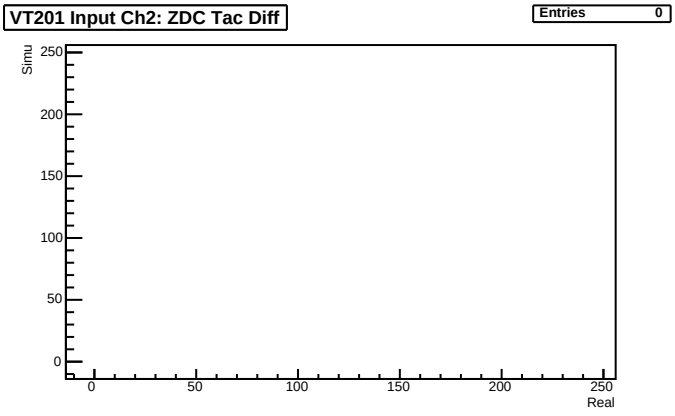

VT201 Input Ch1: EPD Tac Diff
Entries 10193
Tac

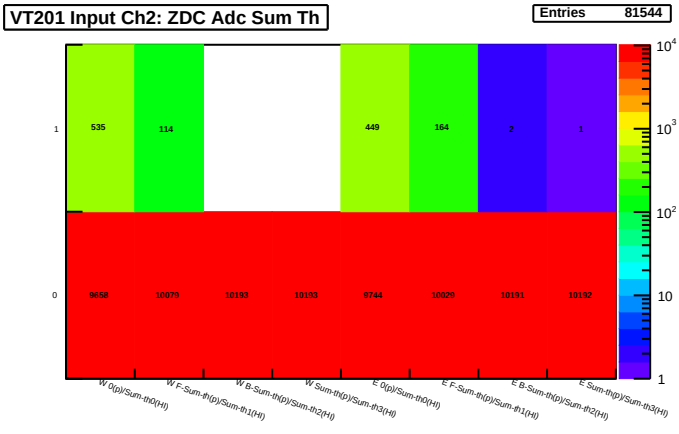

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

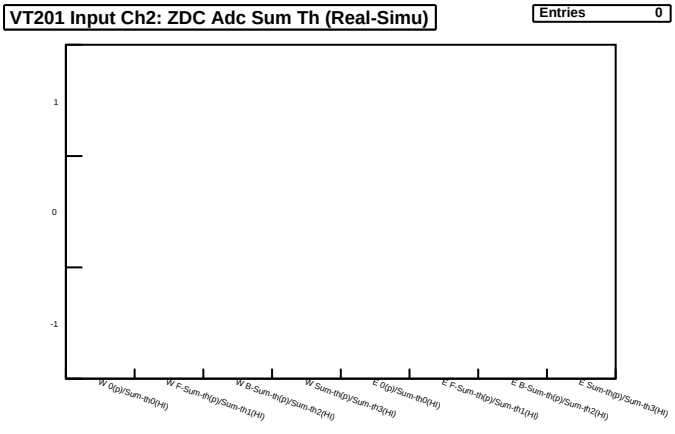

VT201 Input Ch1: EPD Hit Count Th
Entries 20386
9154
4144
1039
6049
East
West

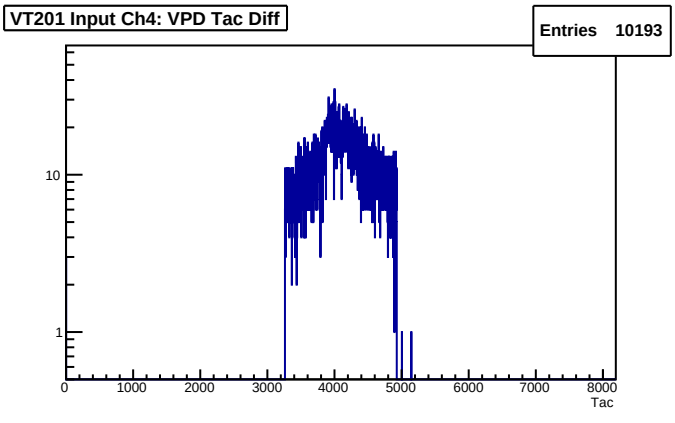

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

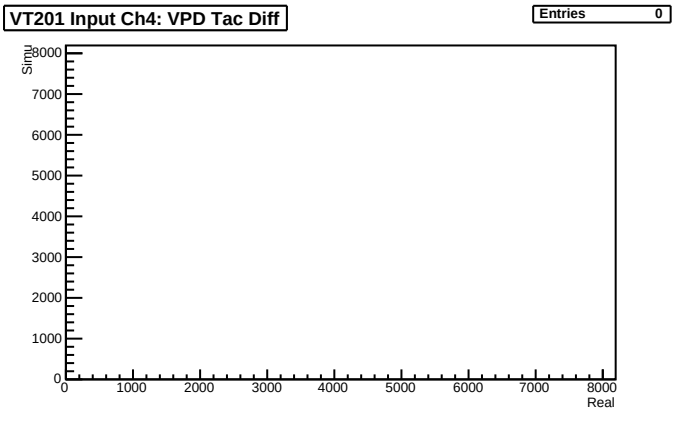

VT201 Input Ch2: ZDC Tac Diff
Entries 10193
Tac

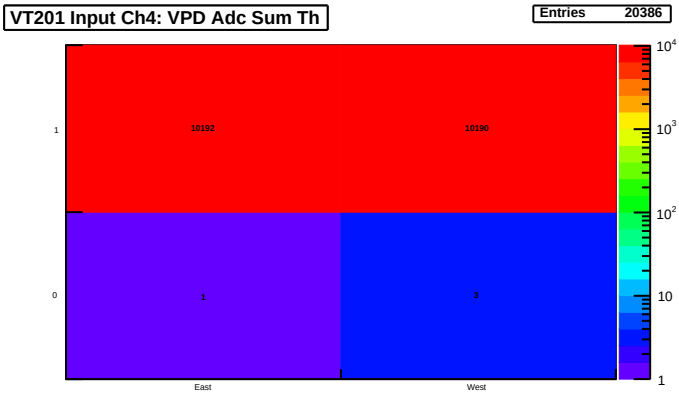

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

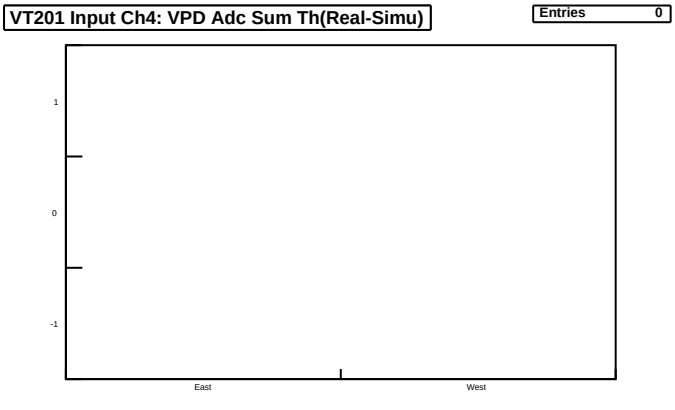

VT201 Input Ch2: ZDC Adc Sum Th
Entries 81544
535
114
449
164
2
1
9658
10079
10193
10193
9744
10029
10191
10192
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

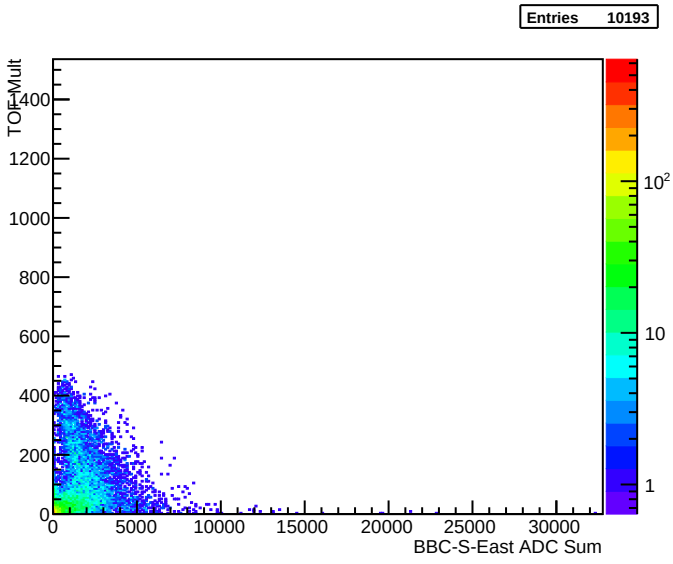

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

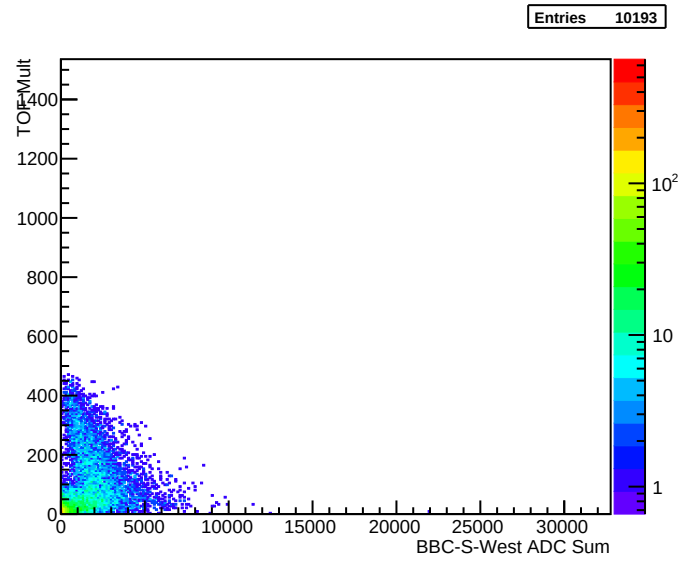

VT201 Input Ch4: VPD Tac Diff
Entries 10193
Tac

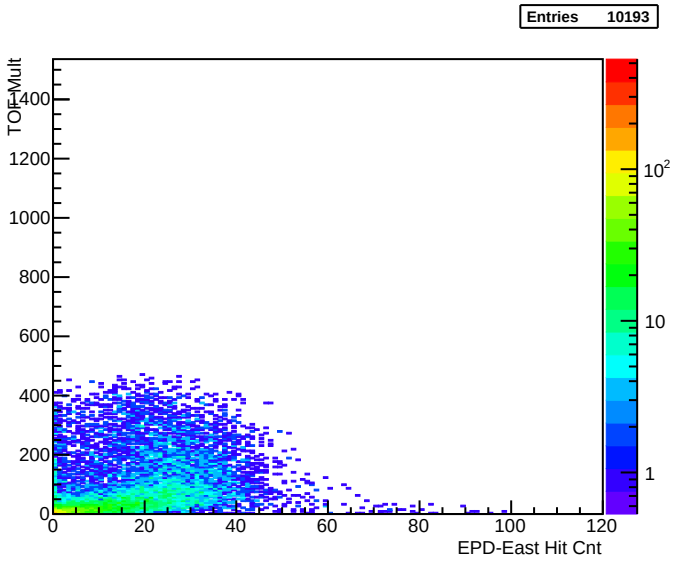

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

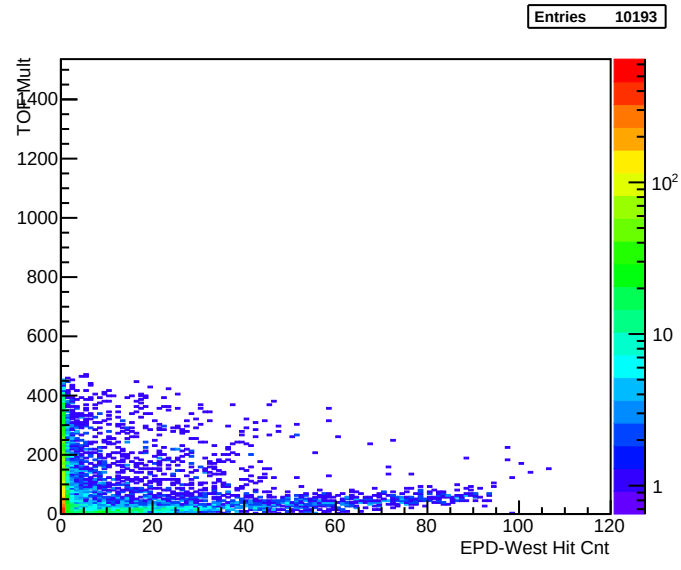

VT201 Input Ch4: VPD Adc Sum Th
Entries 20386
10192
10190
1
3
East
West

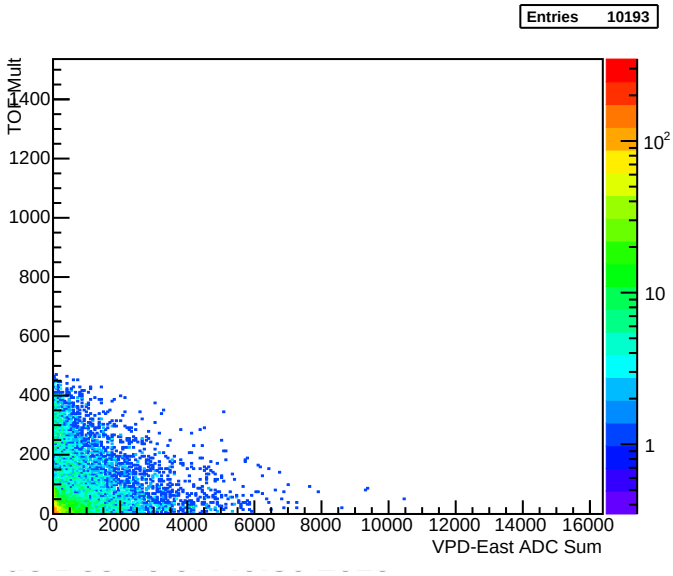

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

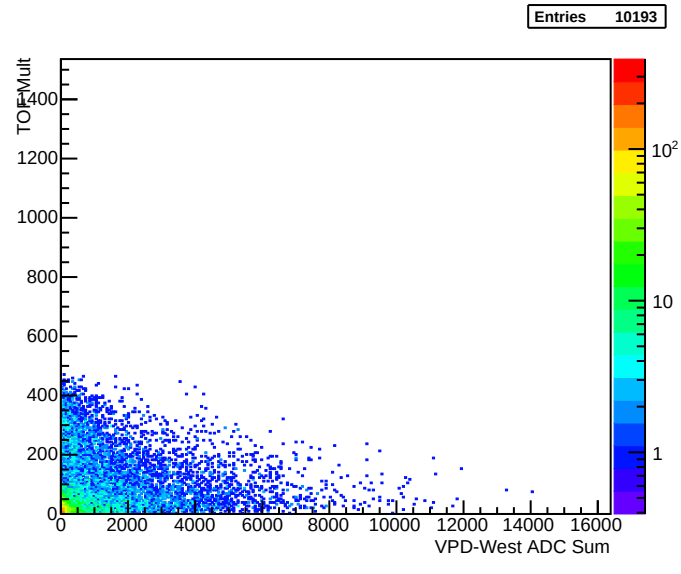

Entries 10193
TOF-Mult
BBC-S-East ADC Sum

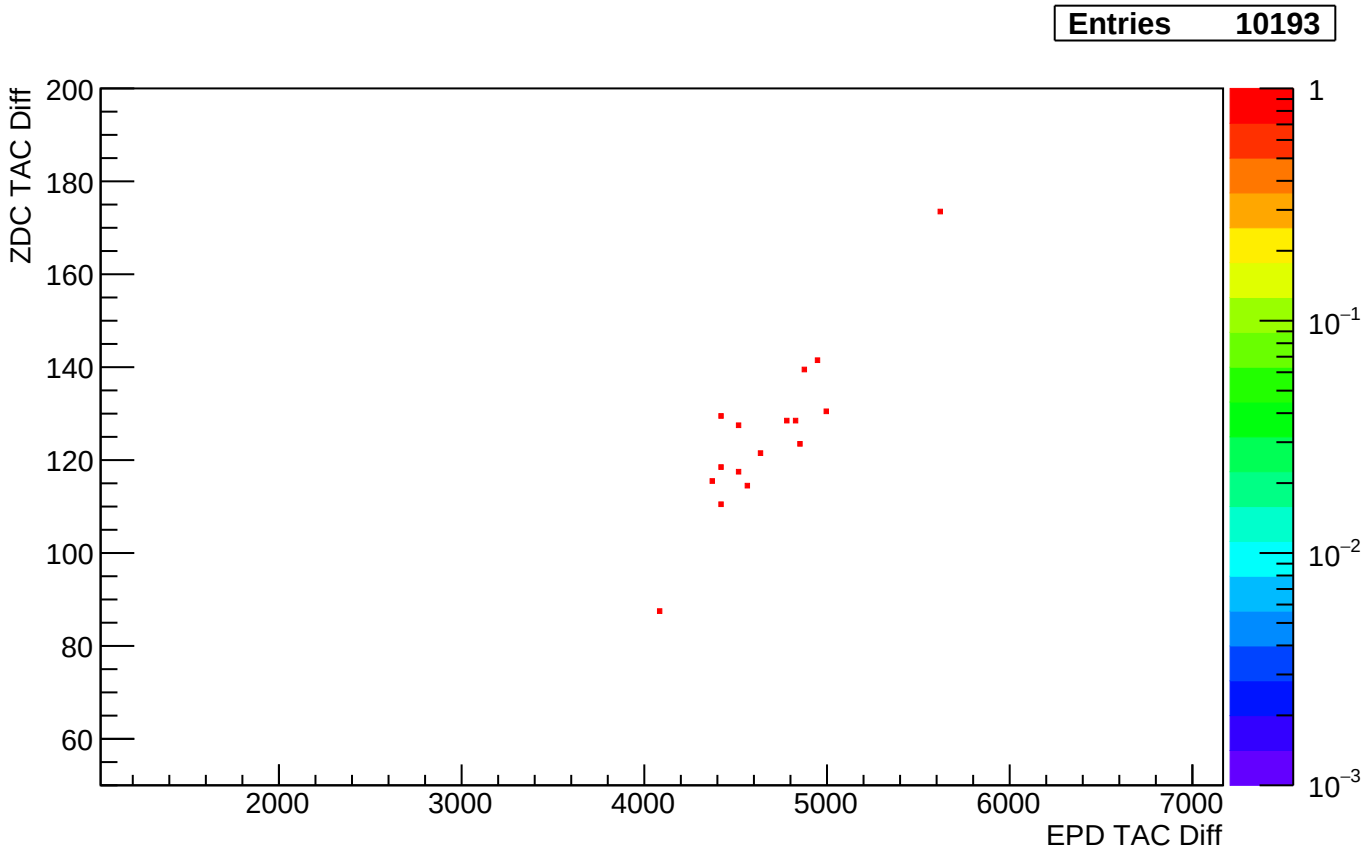

Entries 10193
TOF-Mult
BBC-S-West ADC Sum

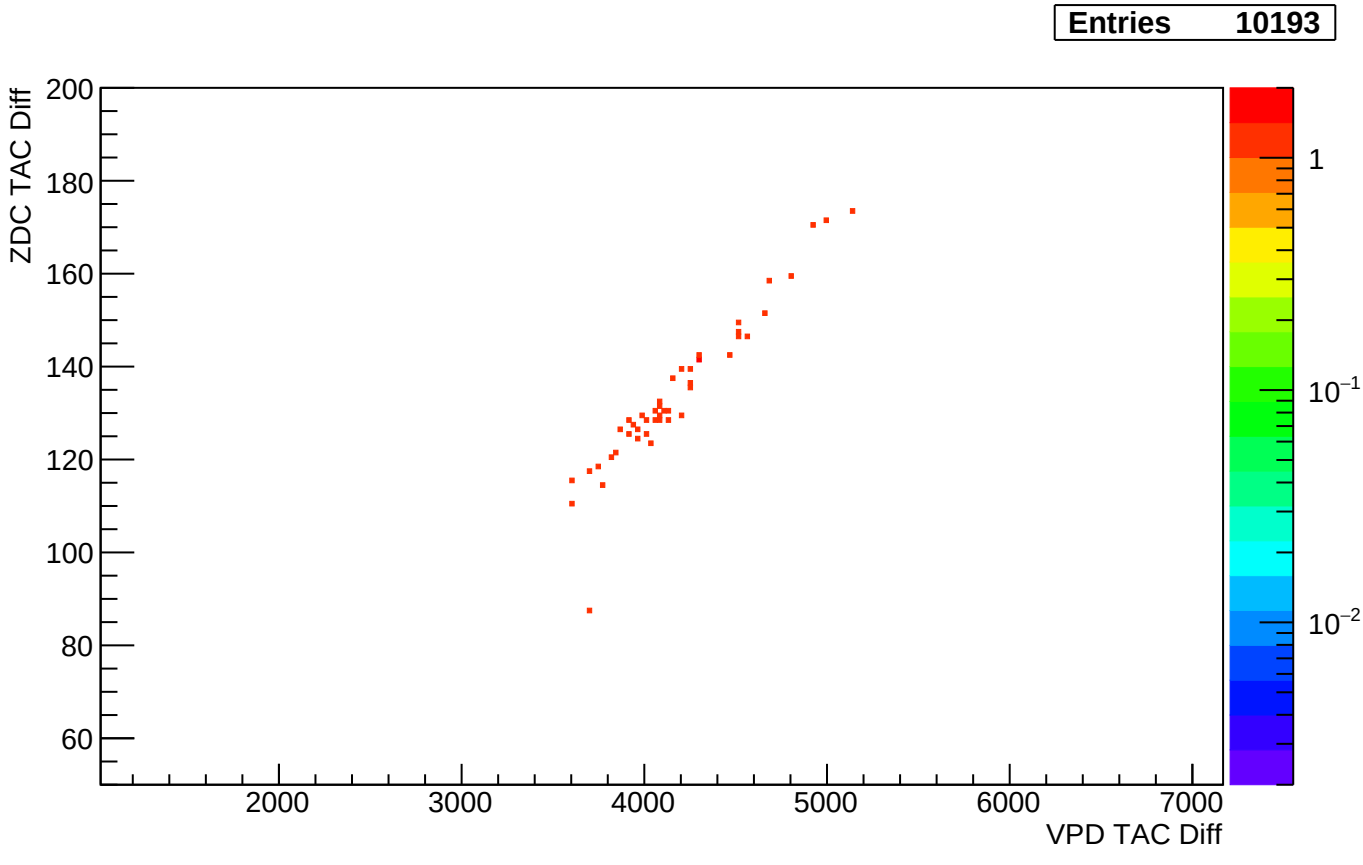

Entries 10193
TOF-Mult
EPD-East Hit Cnt

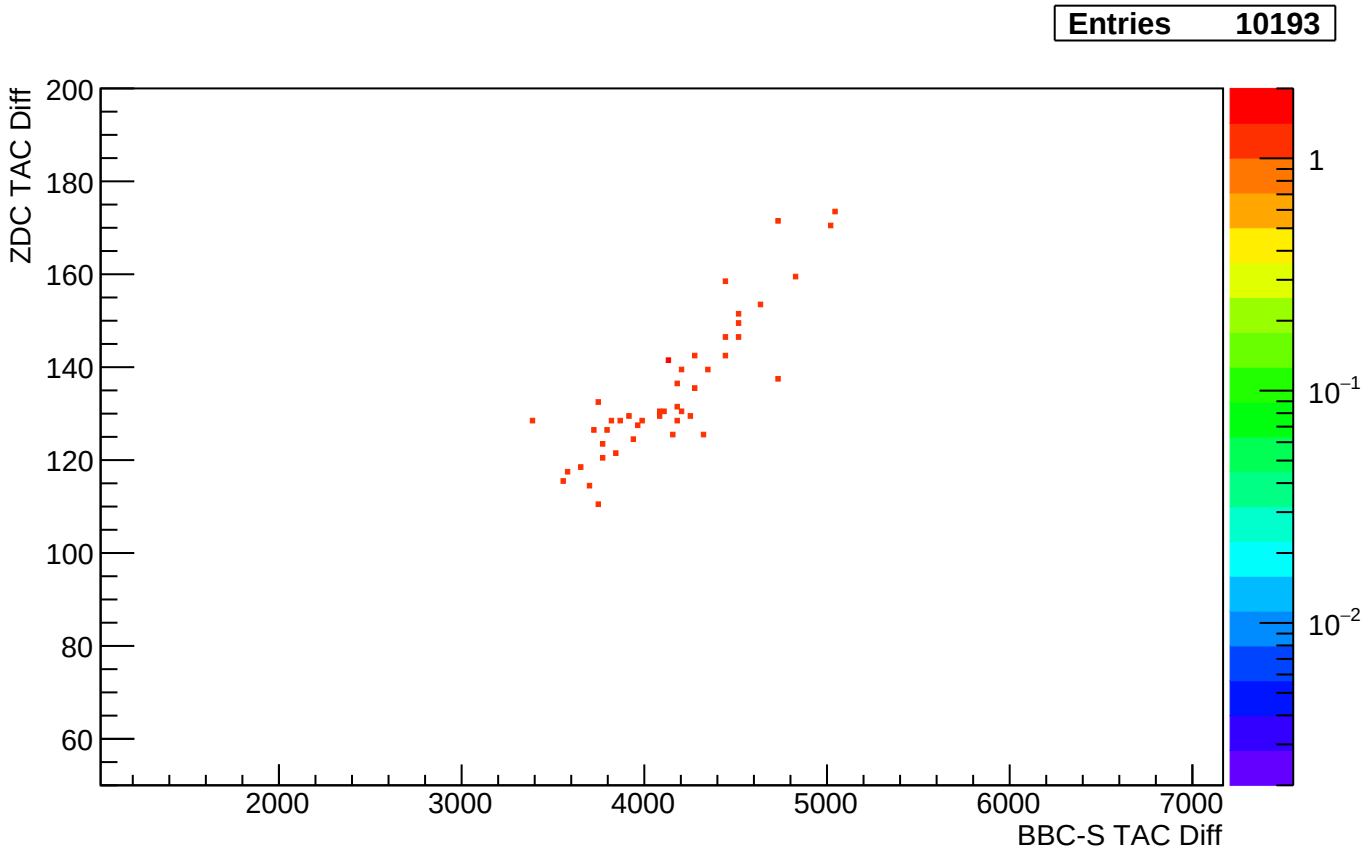

Entries 10193
TOF-Mult
EPD-West Hit Cnt

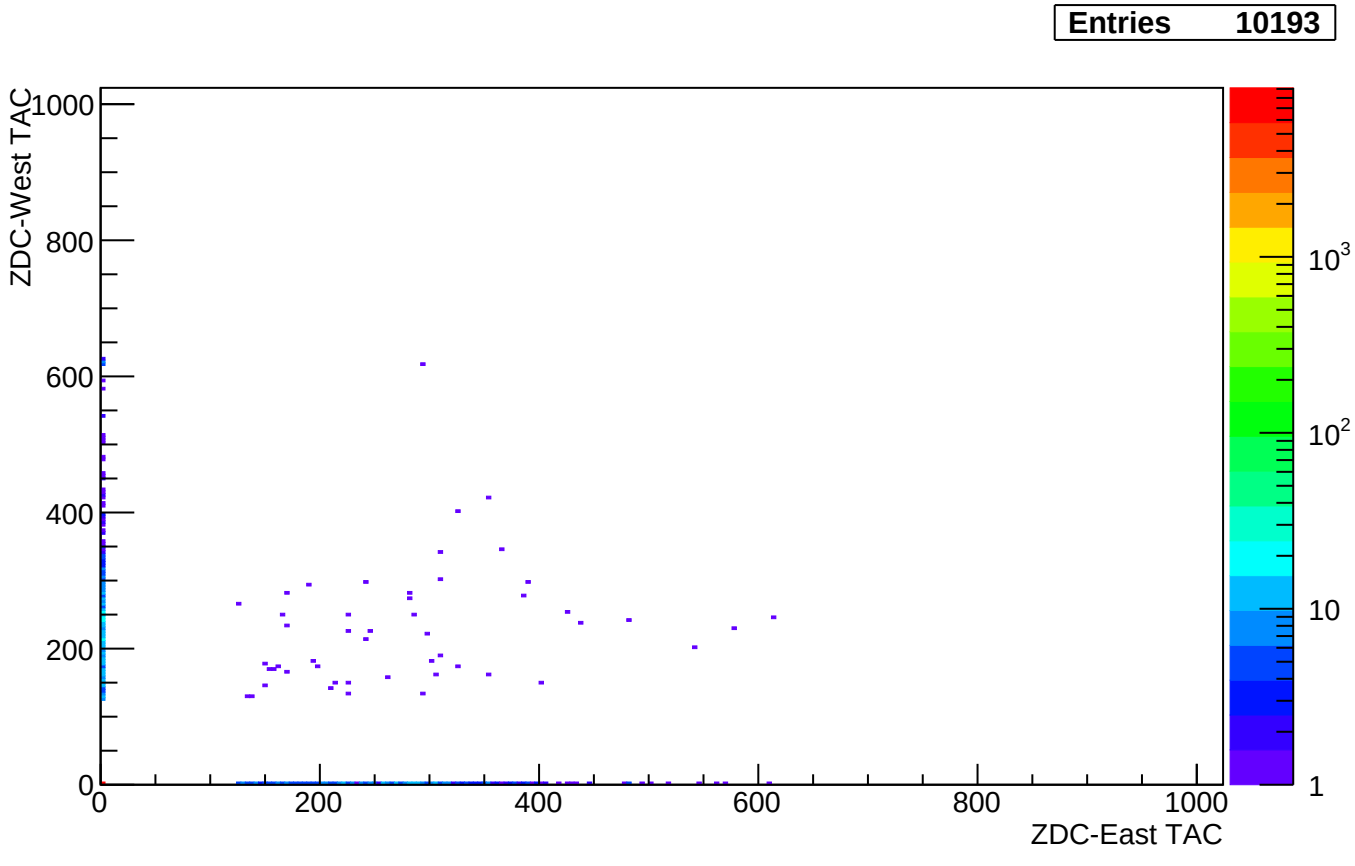

Entries 10193
TOF-Mult
VPD-East ADC Sum

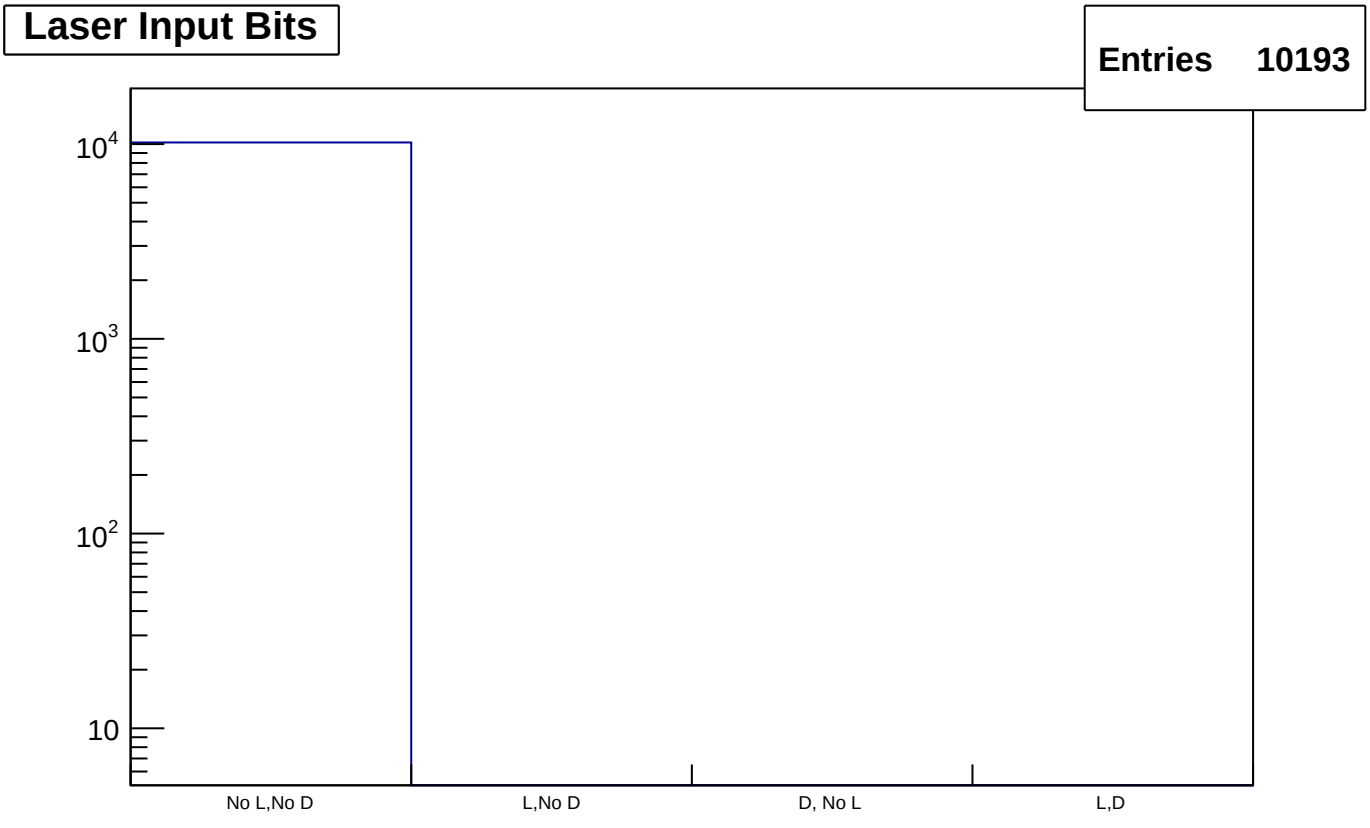

Entries 10193
TOF-Mult
VPD-West ADC Sum

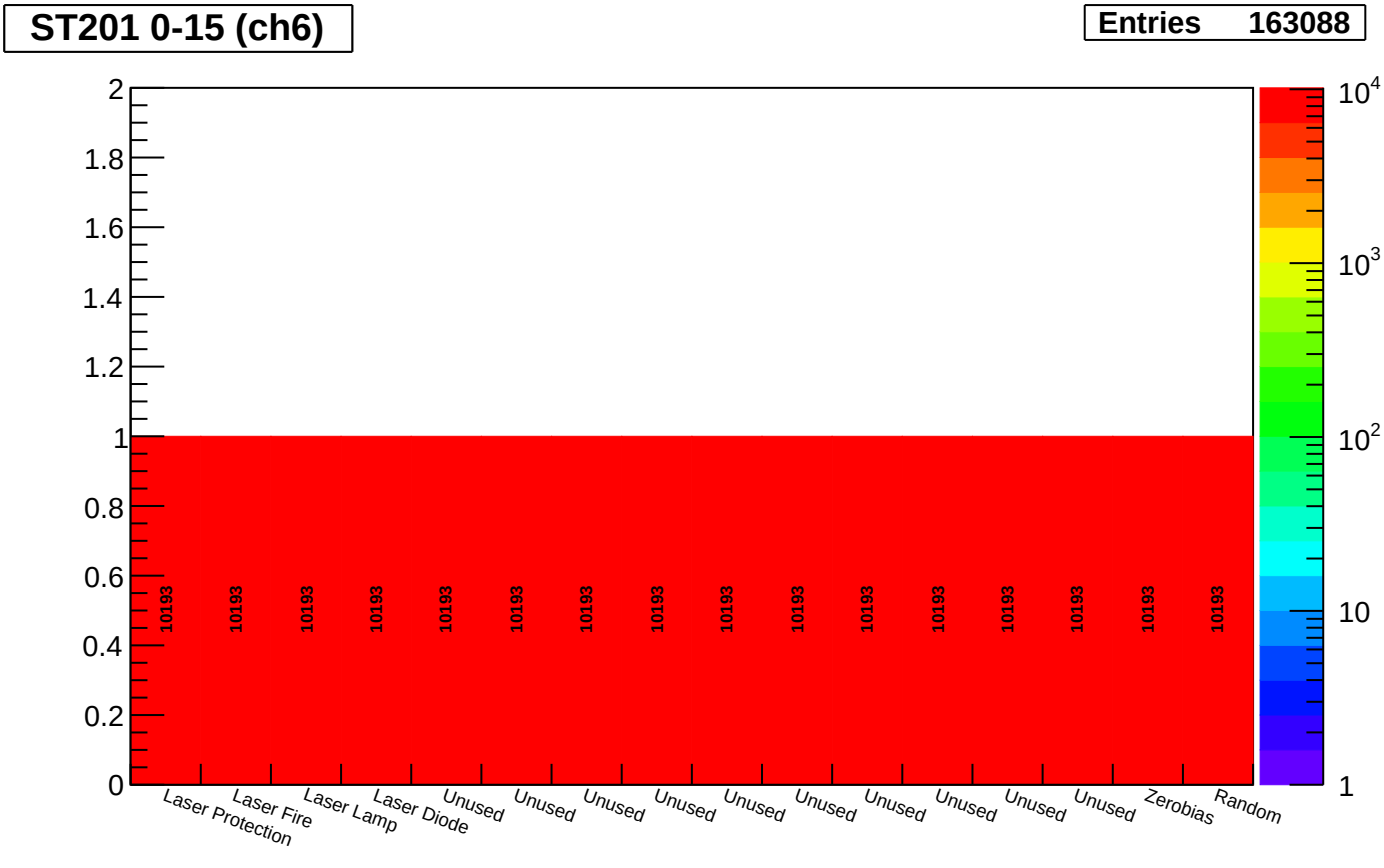

Entries 10193
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

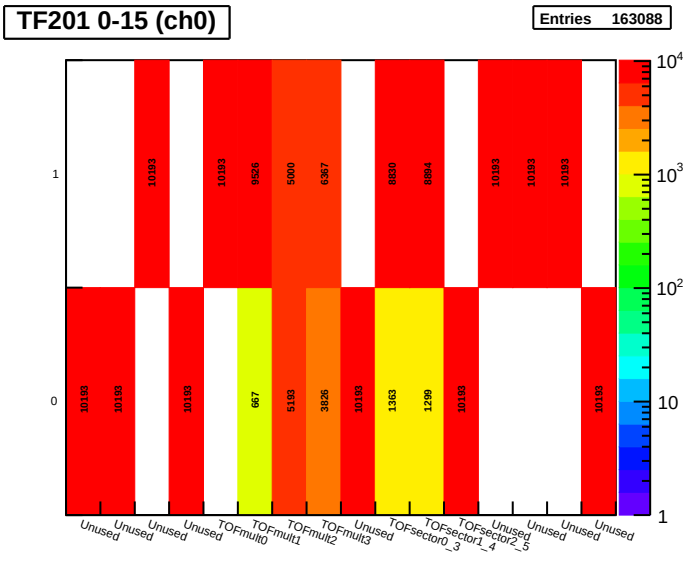

Entries 10193
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

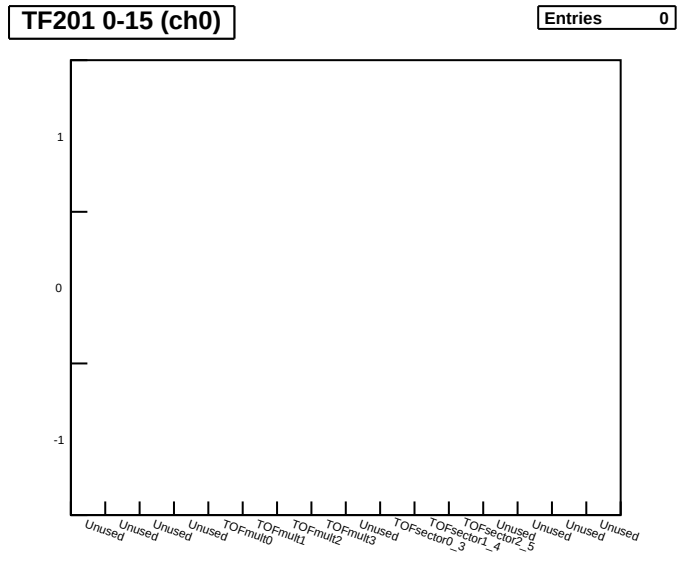

Entries 10193
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

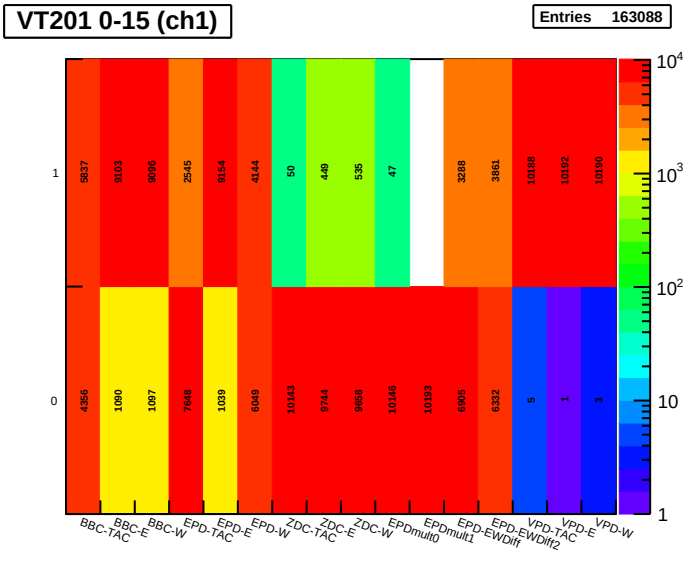

Entries 10193
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^3
10^2
10
1

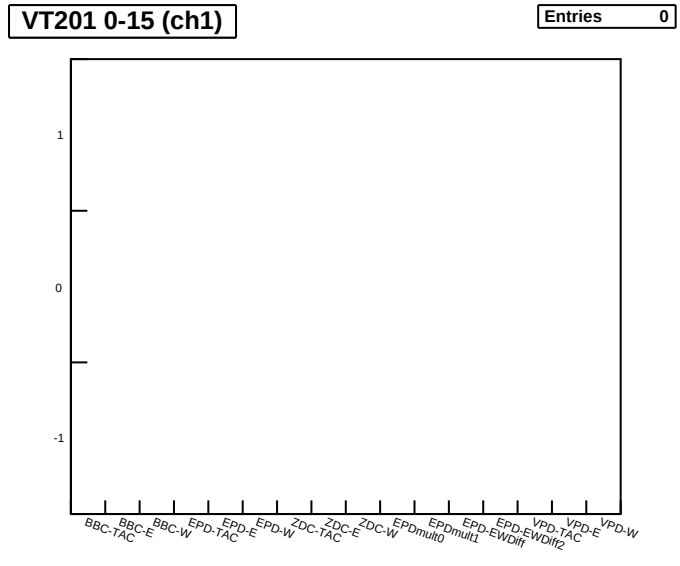

Laser Input Bits
Entries 10193
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

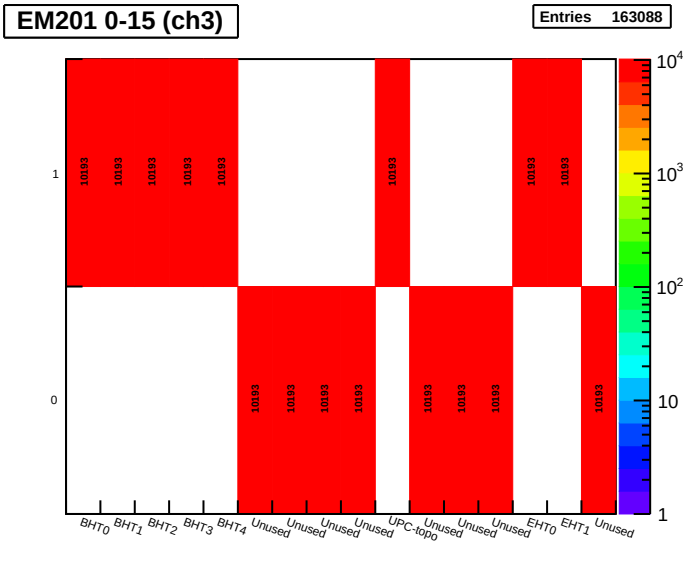

ST201 0-15 (ch6)
Entries 163088
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10193
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

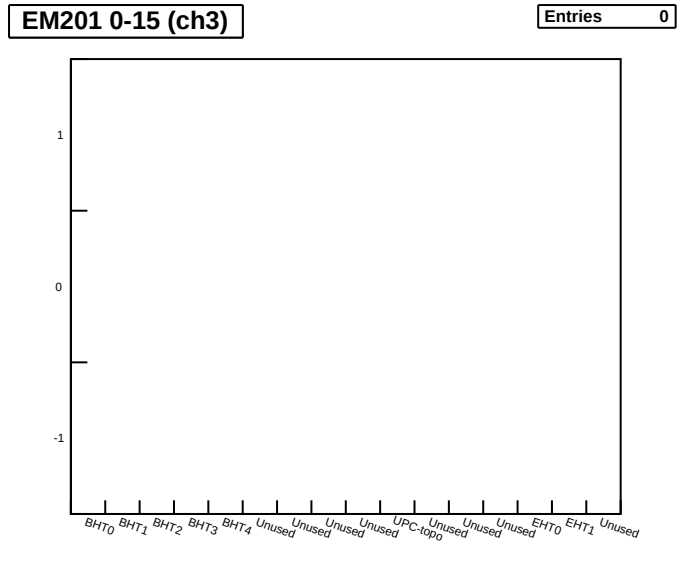

TF201 0-15 (ch0)
Entries 163088
1
0
10193 10193 10193 9526 5000 6367 8830 8894 10193 10193 10193
10193 10193 10193 667 5193 3826 10193 1363 1299 10193 10193
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 163088
1
0
5837 9103 9096 2545 9154 4144 50 449 535 47 3288 3861 10188 10192 10190
4356 1090 1097 7648 1039 6049 10143 9744 9658 10146 10193 6905 6332 5 1 3
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^4
10^3
10^2
10
1


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


EM201 0-15 (ch3)
Entries 163088
1
0
10193 10193 10193 10193 10193 10193 10193 10193 10193
10193 10193 10193 10193 10193 10193 10193 10193
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4
10^3
10^2
10
1


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