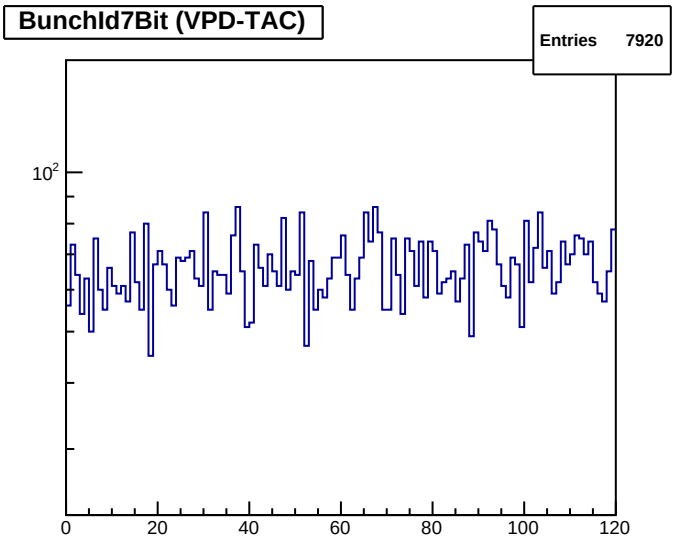
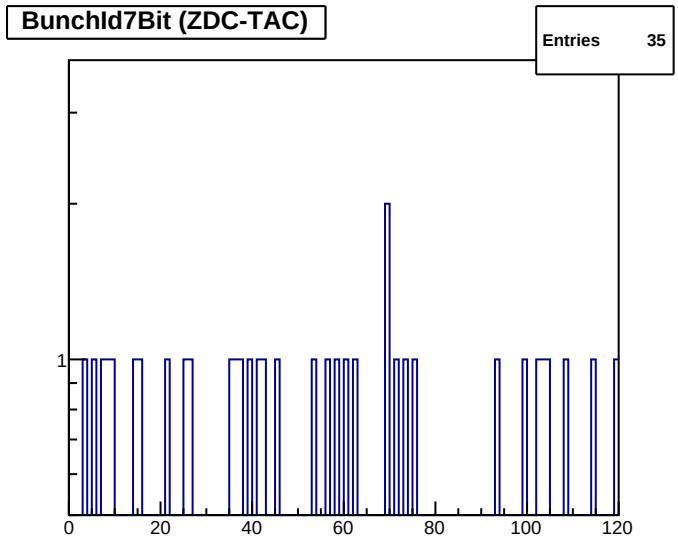
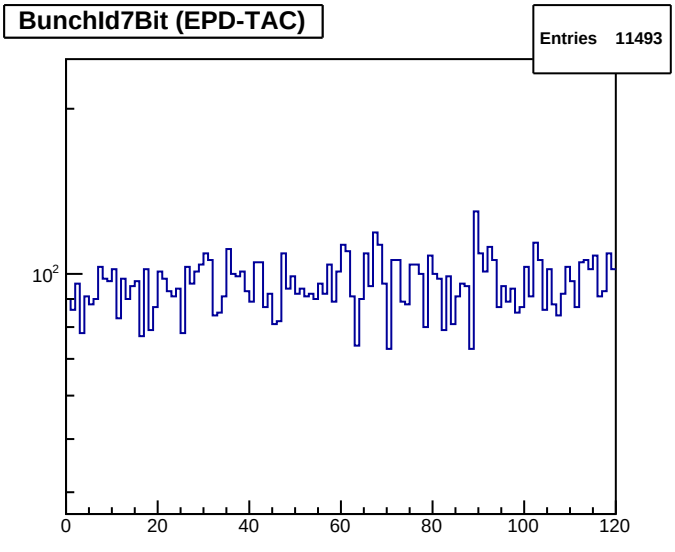
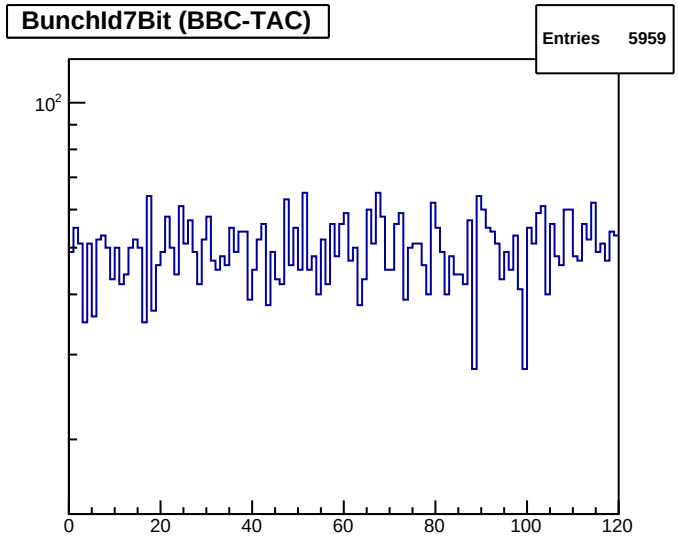
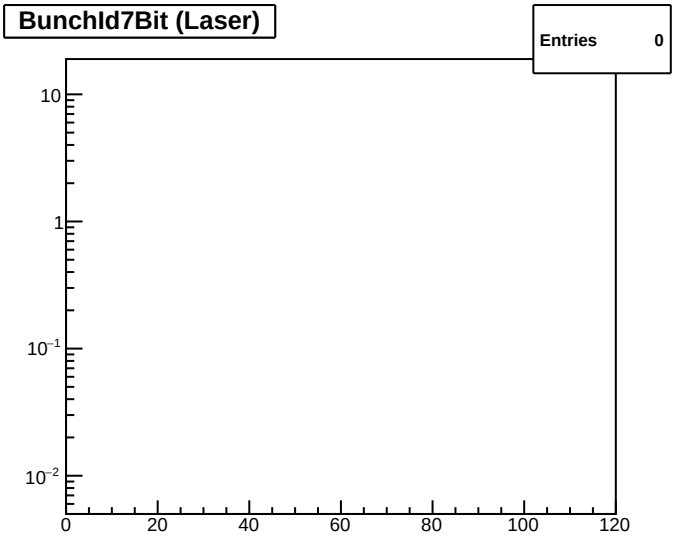
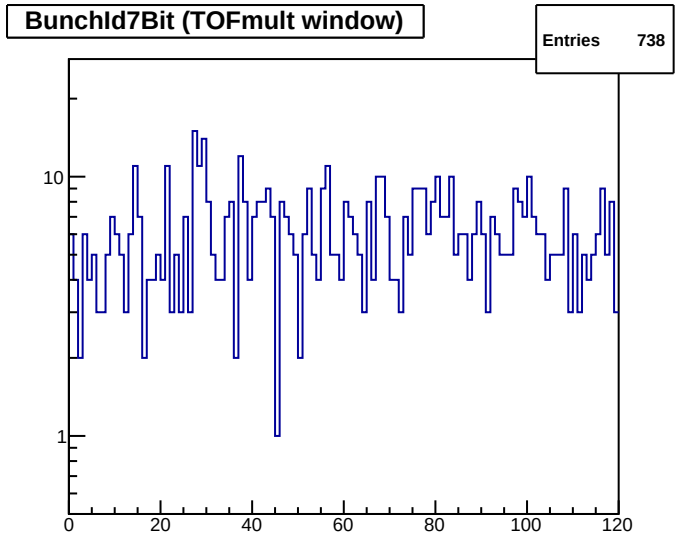

BunchId7Bit (VPD-TAC)
Entries 7920
10^2
0 20 40 60 80 100 120

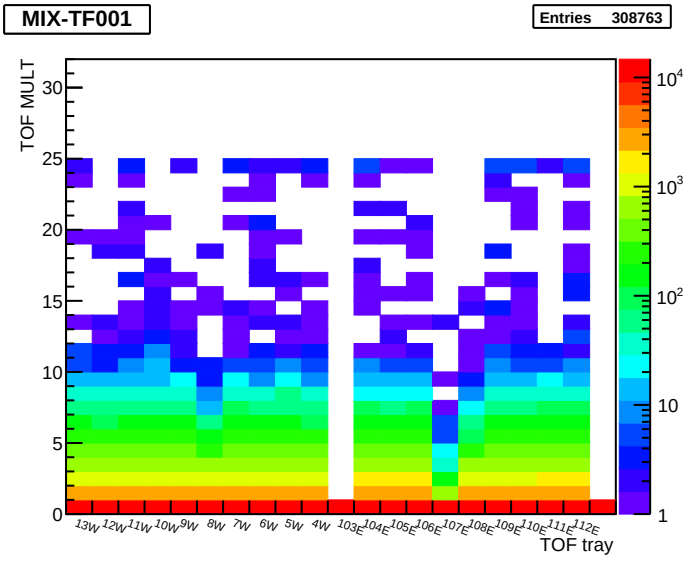

BunchId7Bit (ZDC-TAC)
Entries 35
1
0 20 40 60 80 100 120

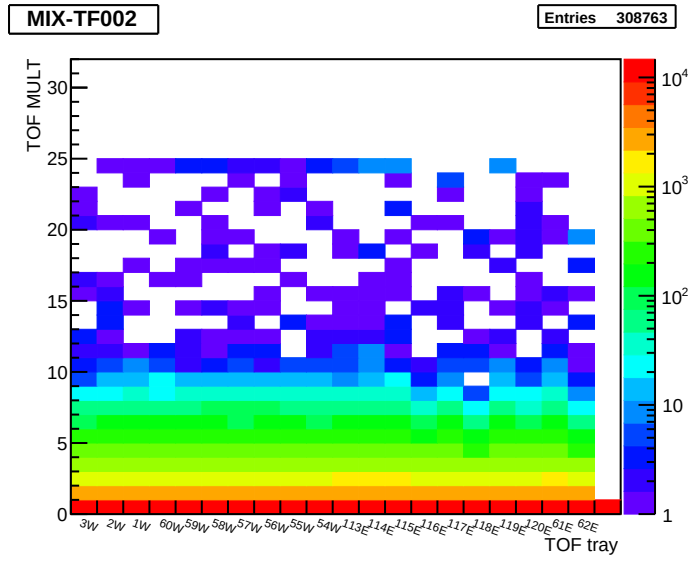

BunchId7Bit (EPD-TAC)
Entries 11493
10^2
0 20 40 60 80 100 120

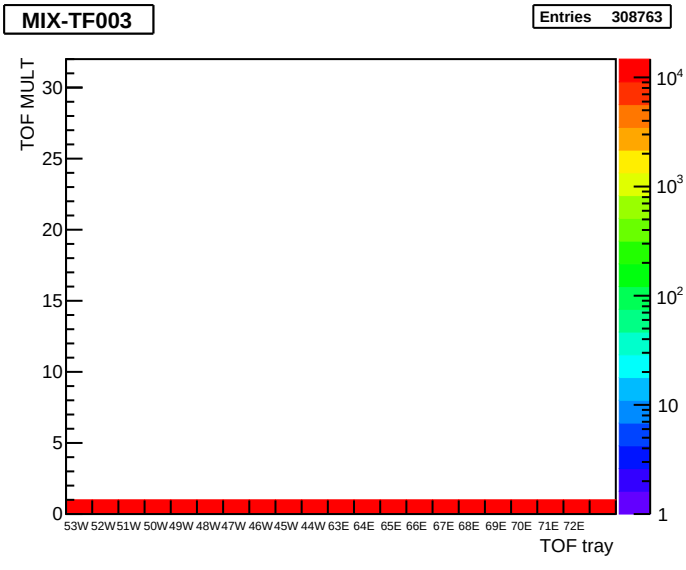

BunchId7Bit (BBC-TAC)
Entries 5959
10^2
0 20 40 60 80 100 120

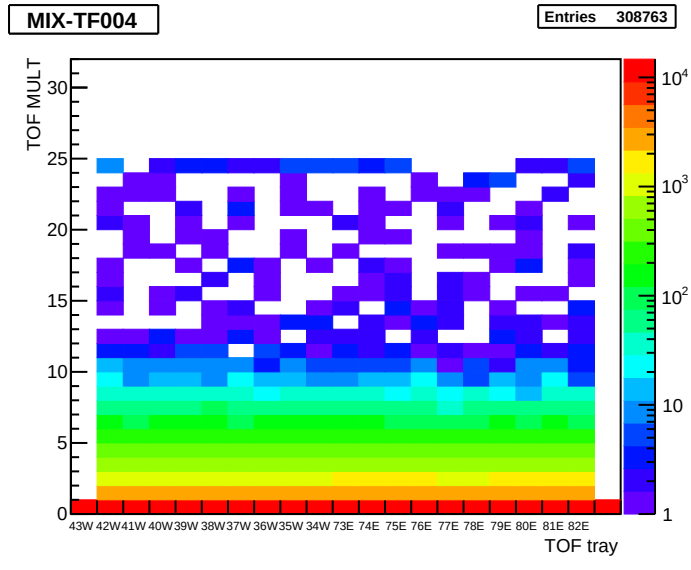

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

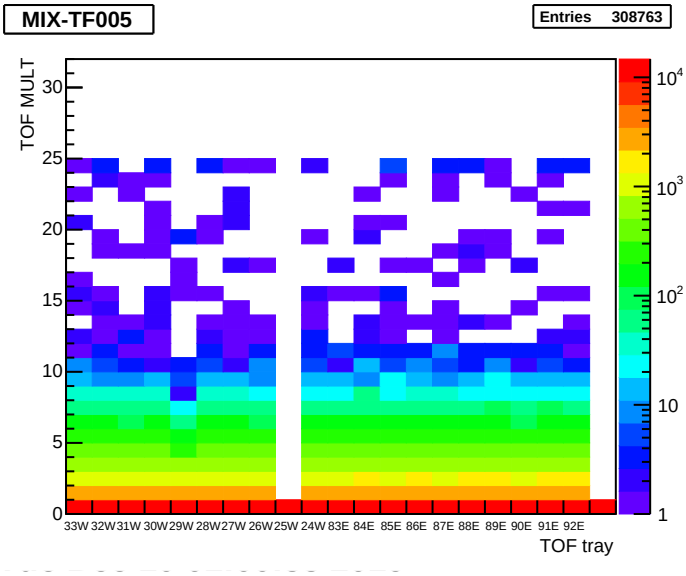

BunchId7Bit (TOFmult window)
Entries 738
10
1
0 20 40 60 80 100 120

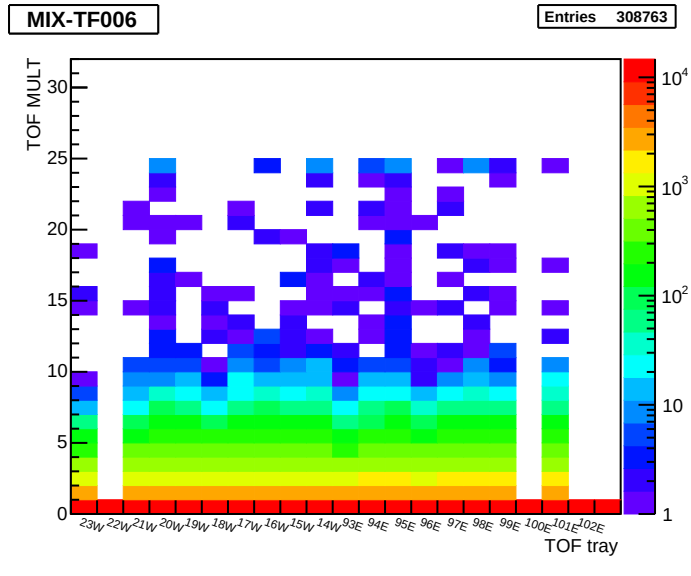

MIX-TF001
Entries 308763
TOF MULT
TOF tray

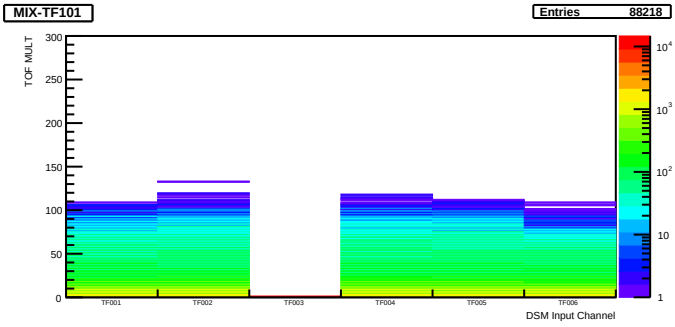

MIX-TF002
Entries 308763
TOF MULT
TOF tray

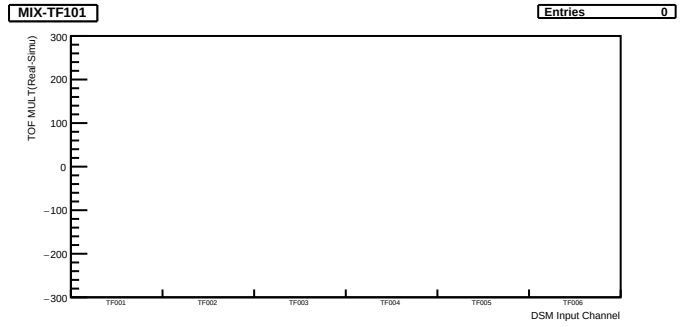

MIX-TF003
Entries 308763
TOF MULT
TOF tray

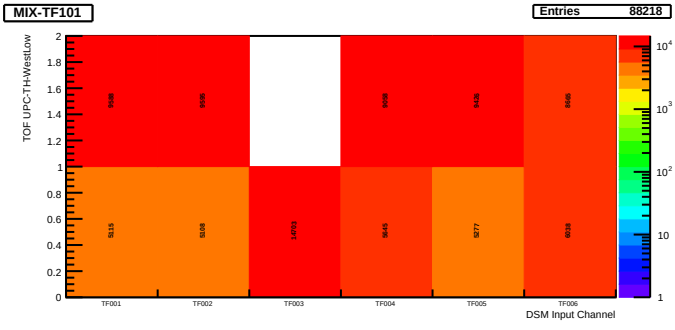

MIX-TF004
Entries 308763
TOF MULT
TOF tray

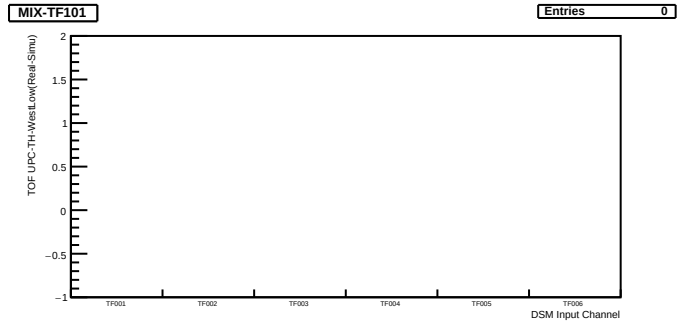

MIX-TF005
Entries 308763
TOF MULT
TOF tray

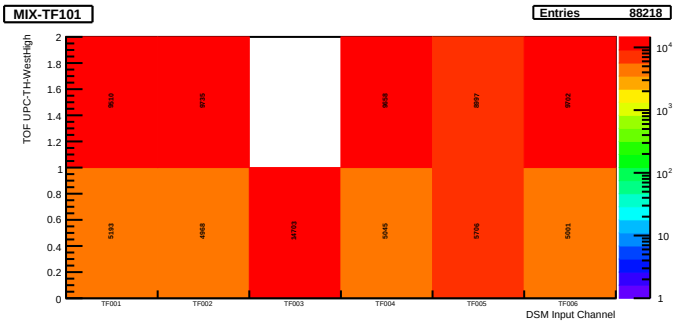

MIX-TF006
Entries 308763
TOF MULT
TOF tray

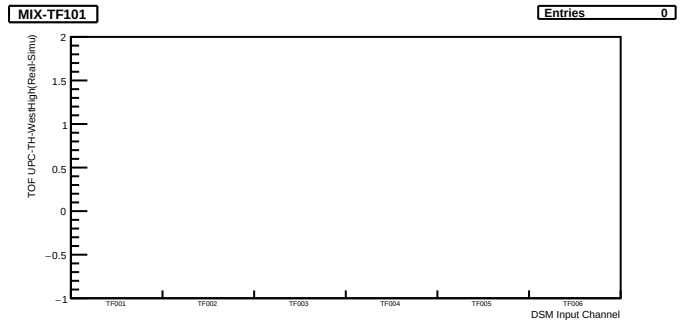

MIX-TF101
Entries 88218
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

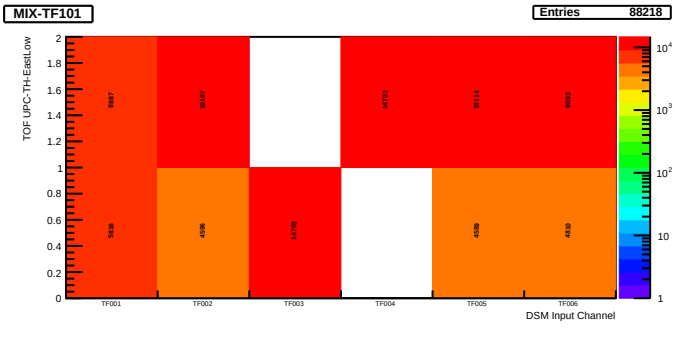

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

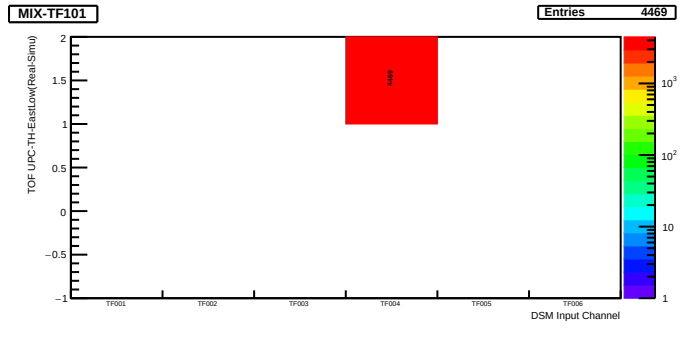

MIX-TF101
Entries 88218
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

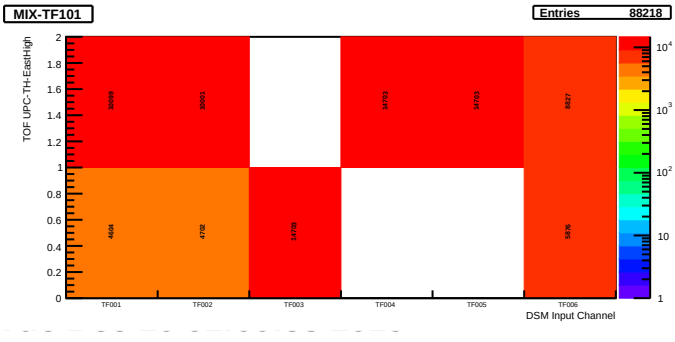

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

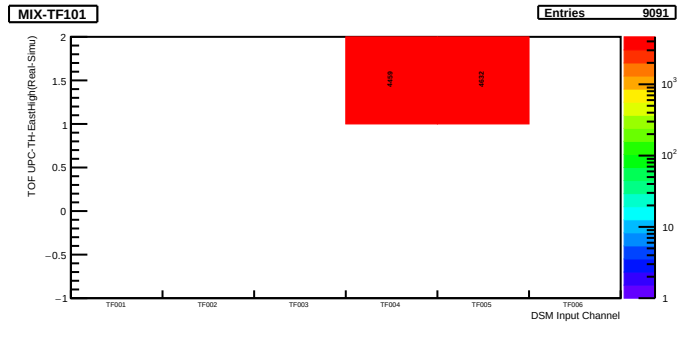

MIX-TF101
Entries 88218
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

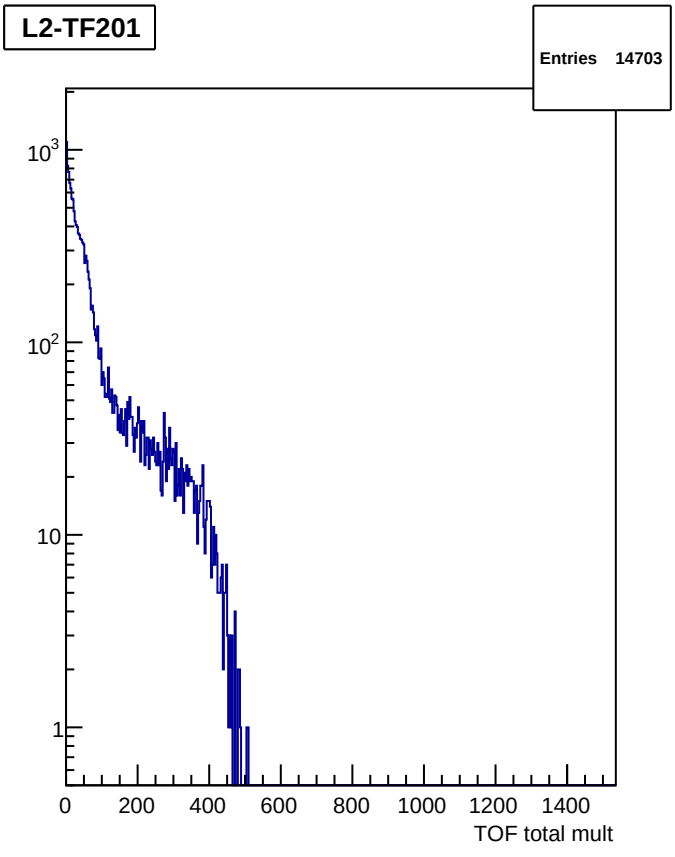

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

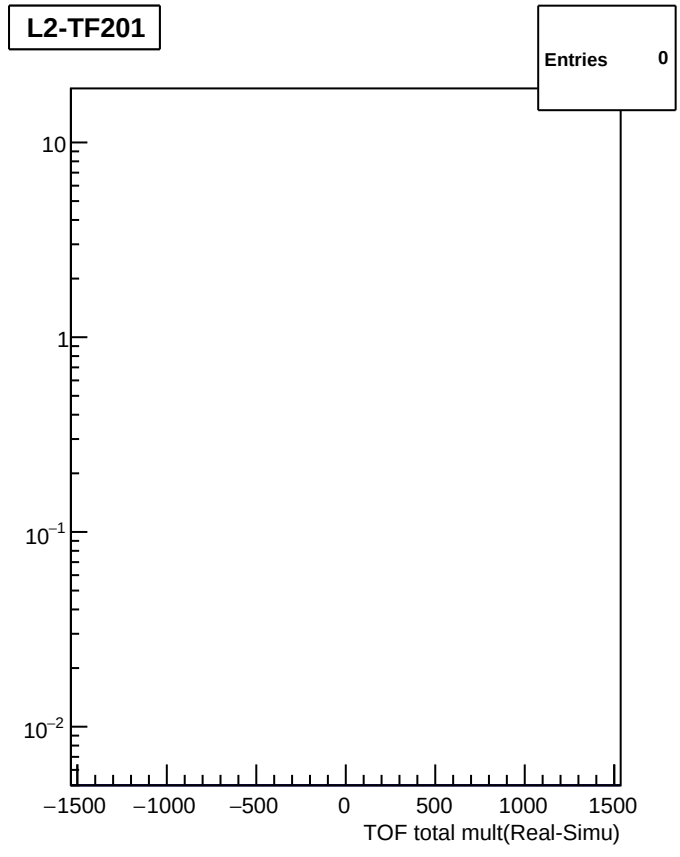

MIX-TF101
Entries 88218
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

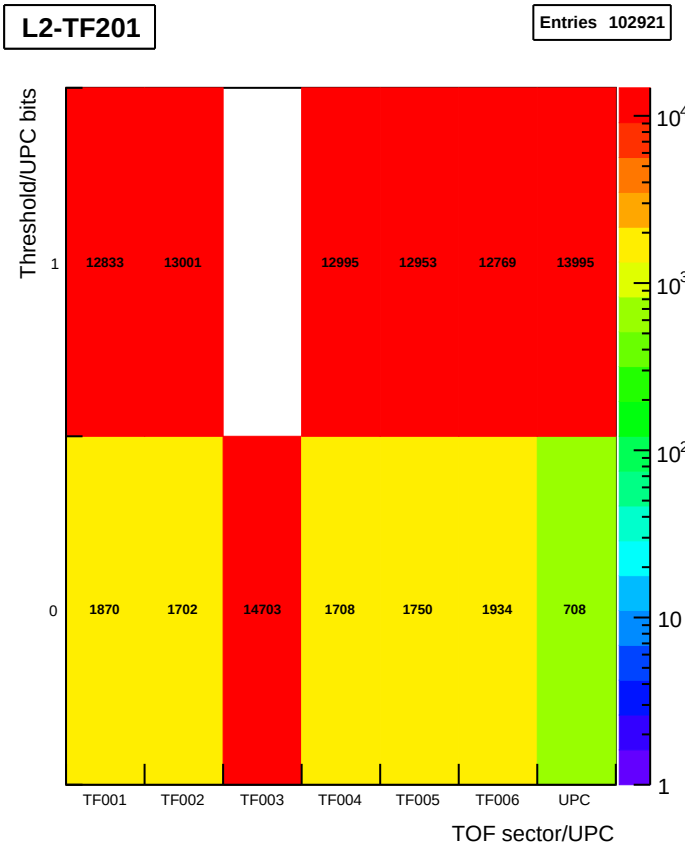

MIX-TF101
Entries 4469
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

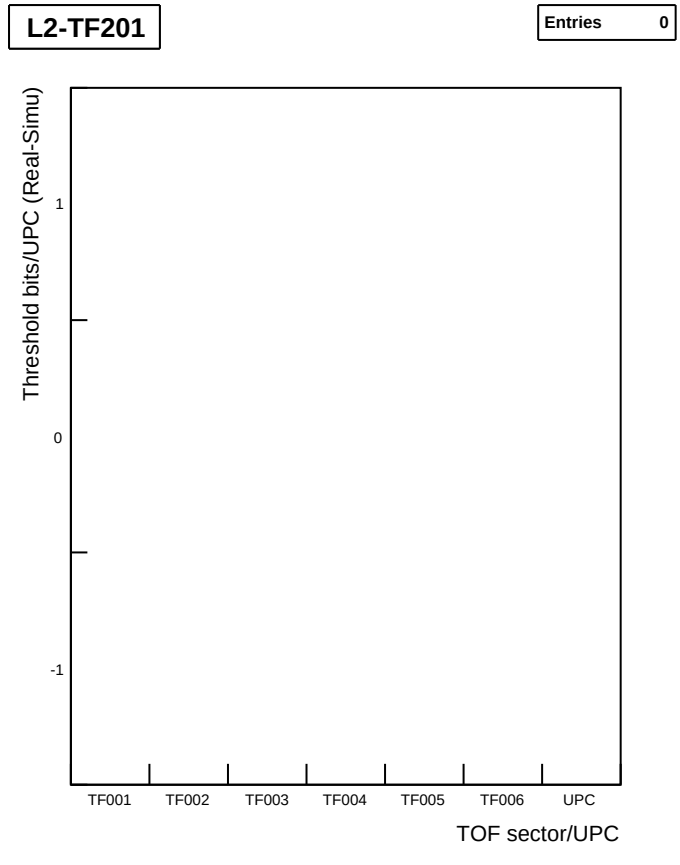

MIX-TF101
Entries 88218
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

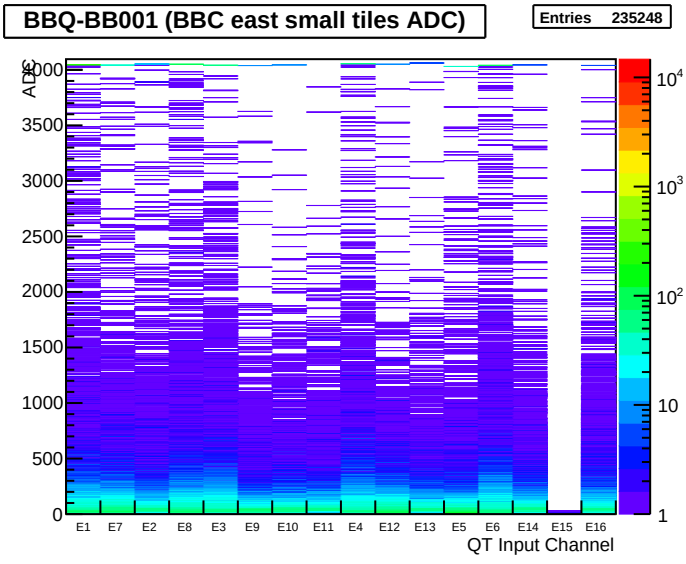

MIX-TF101
Entries 9091
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

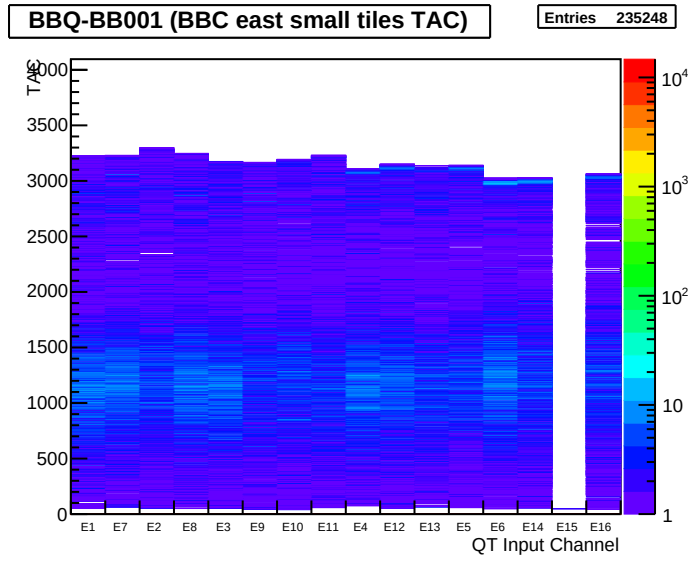

L2-TF201
Entries 14703
TOF total mult

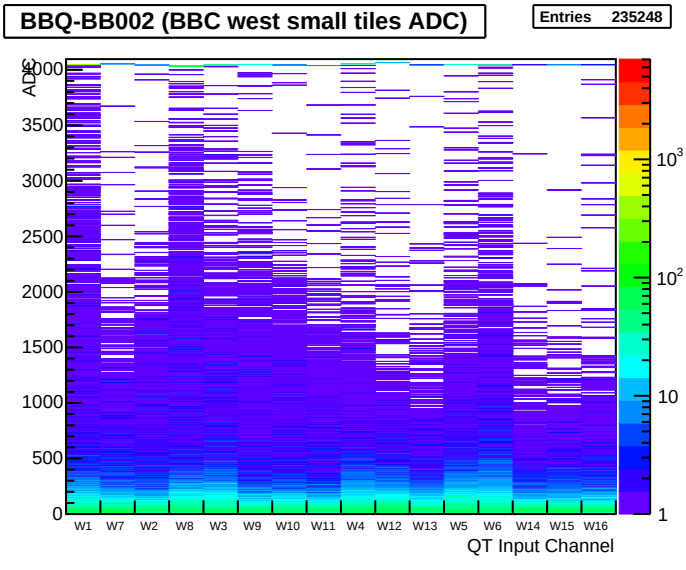

L2-TF201
Entries 0
TOF total mult(Real-Simu)

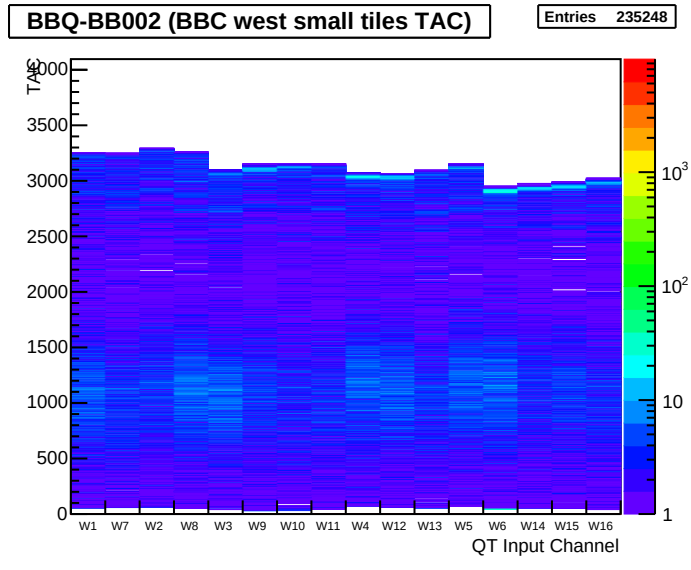

L2-TF201
Entries 102921
Threshold/UPC bits
12833
13001
12995
12953
12769
13995
1870
1702
14703
1708
1750
1934
708
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

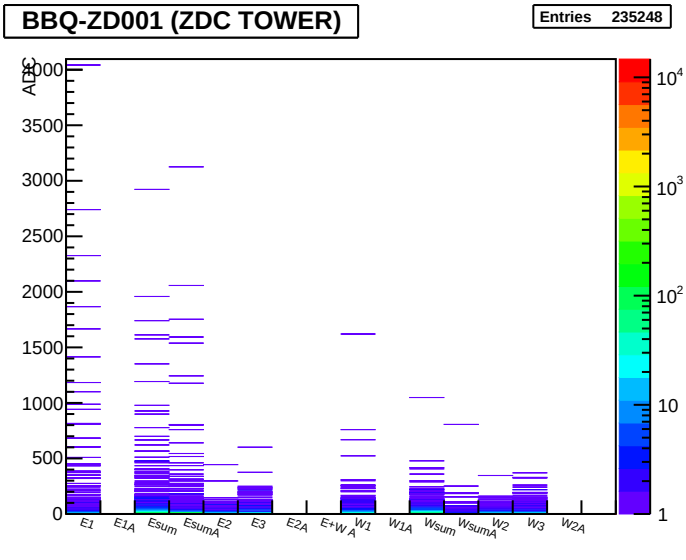

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

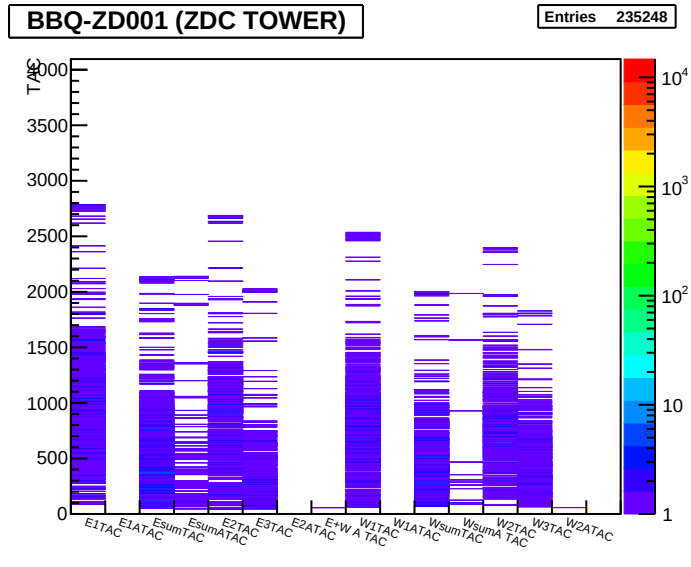

BBQ-BB001 (BBC east small tiles ADC)
Entries 235248
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

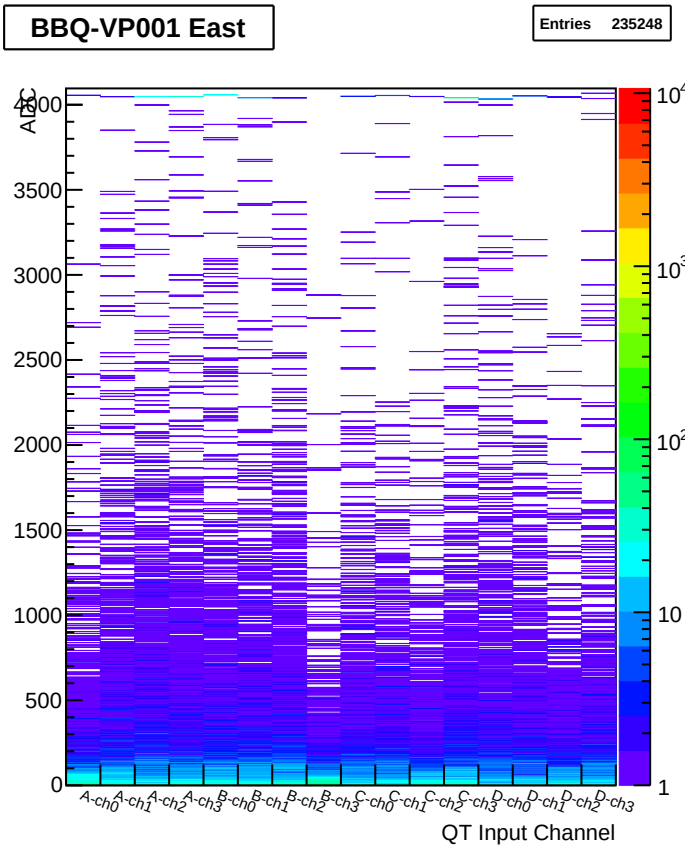

BBQ-BB001 (BBC east small tiles TAC)
Entries 235248
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

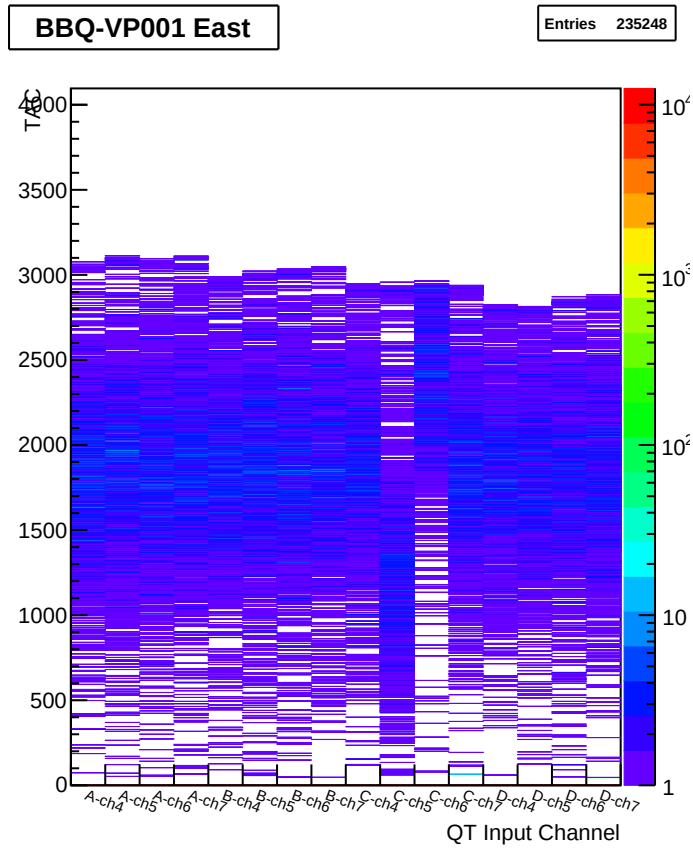

BBQ-BB002 (BBC west small tiles ADC)
Entries 235248
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

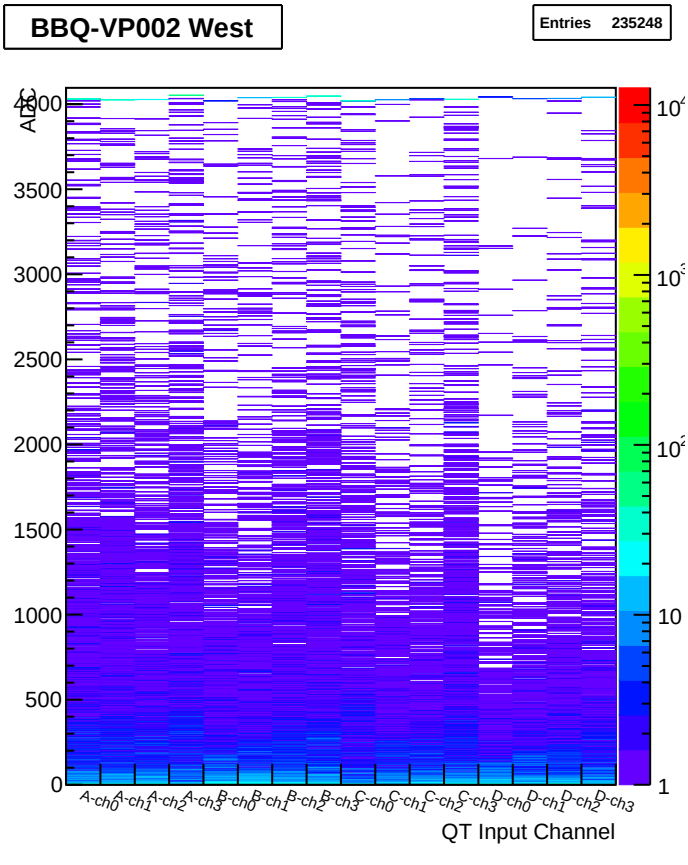

BBQ-BB002 (BBC west small tiles TAC)
Entries 235248
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

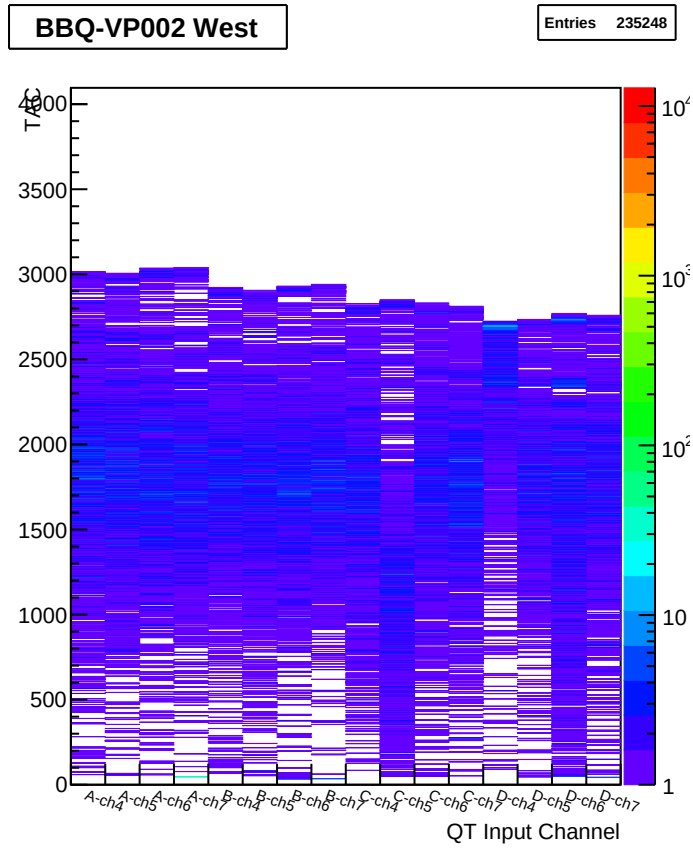

BBQ-ZD001 (ZDC TOWER)
Entries 235248
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

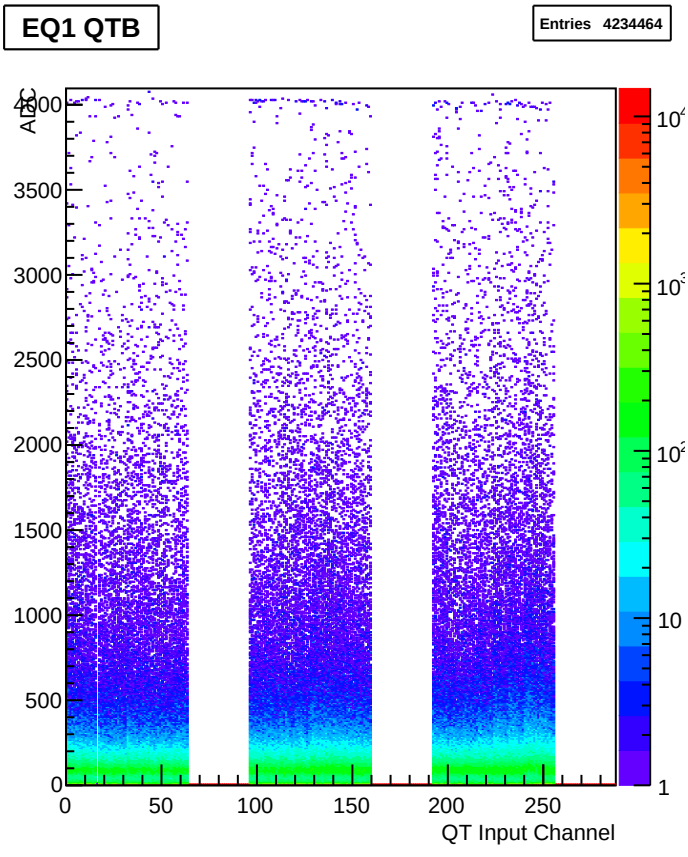

BBQ-ZD001 (ZDC TOWER)
Entries 235248
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

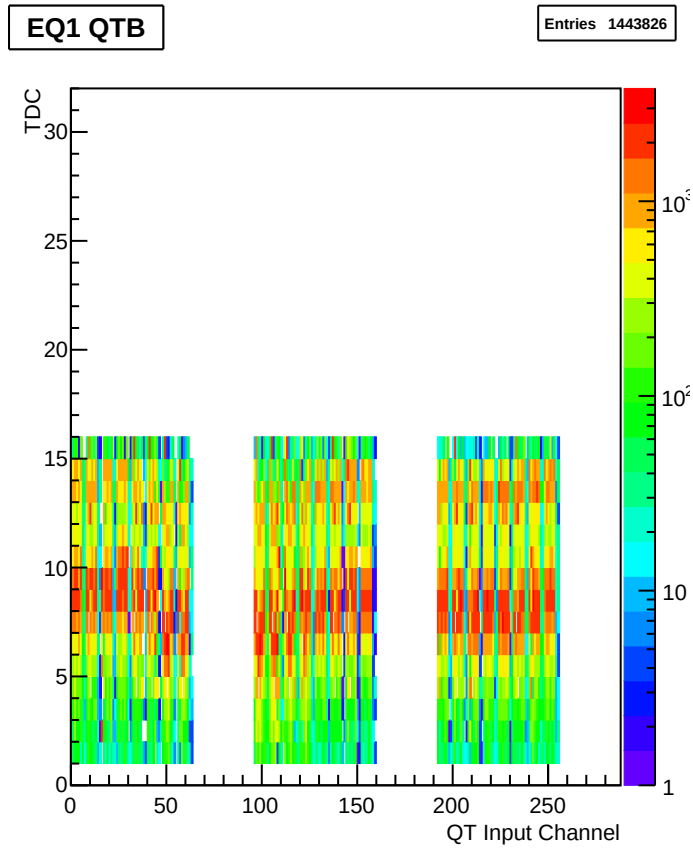

BBQ-VP001 East
Entries 235248
ADC
QT Input Channel

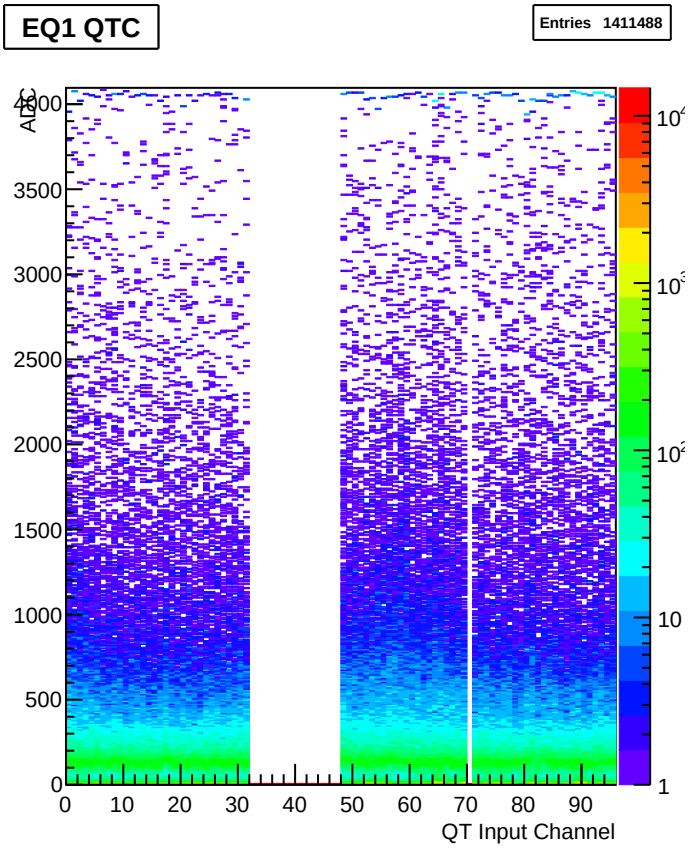

BBQ-VP001 East
Entries 235248
TADC
QT Input Channel

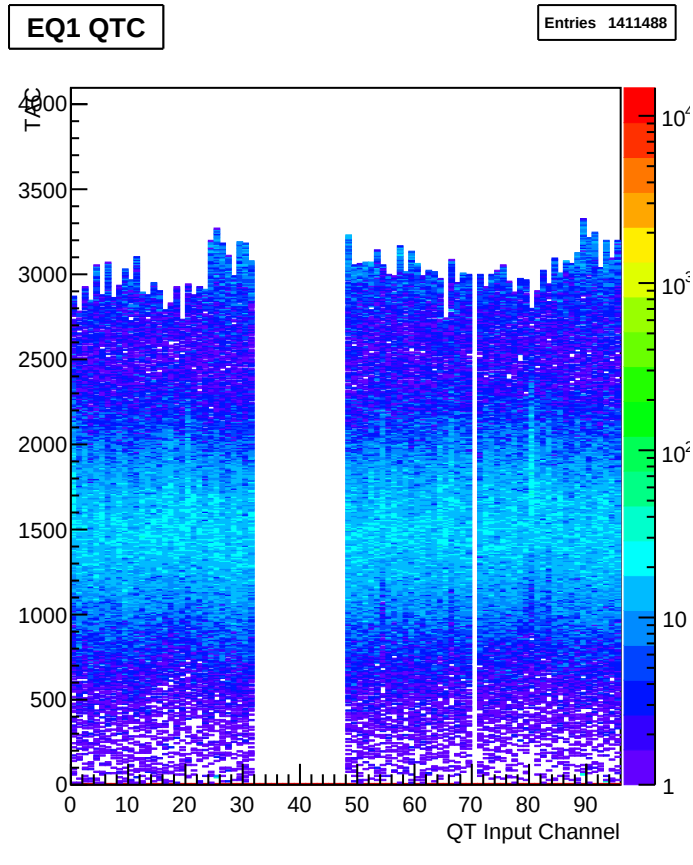

BBQ-VP002 West
Entries 235248
ADC
QT Input Channel

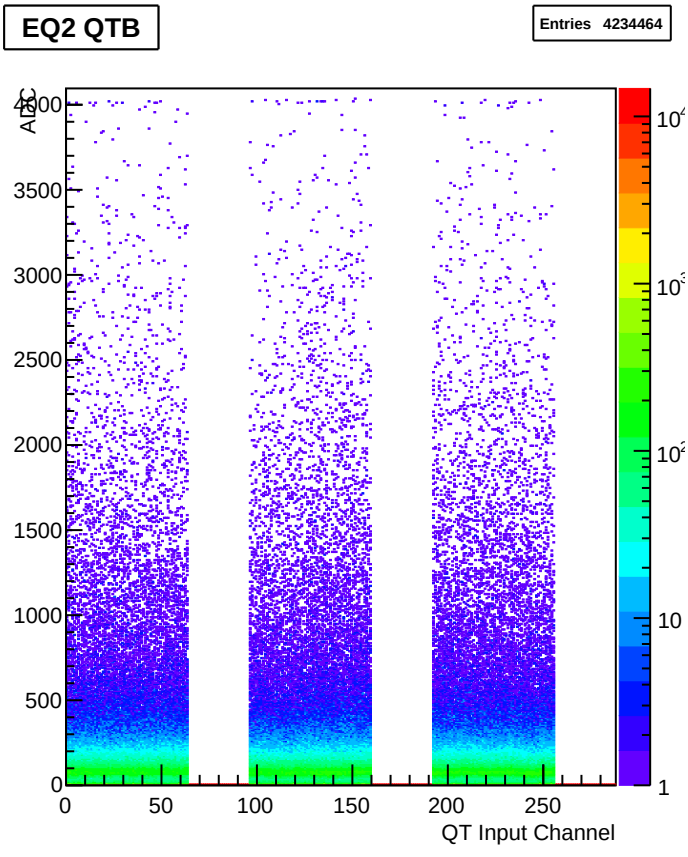

BBQ-VP002 West
Entries 235248
TADC
QT Input Channel

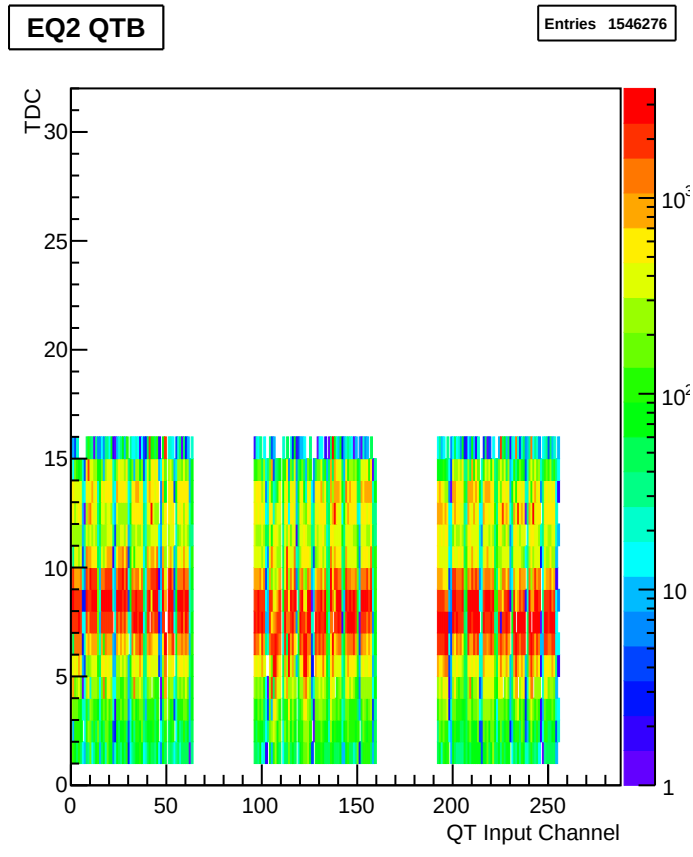

EQ1 QTB
Entries 4234464
ADC
QT Input Channel

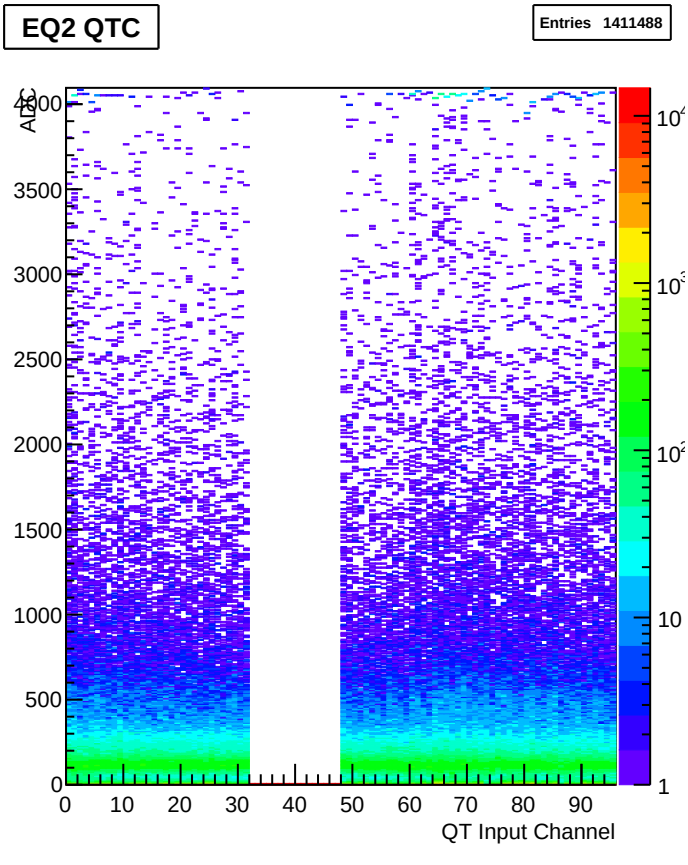

EQ1 QTB
Entries 1443826
TDC
QT Input Channel

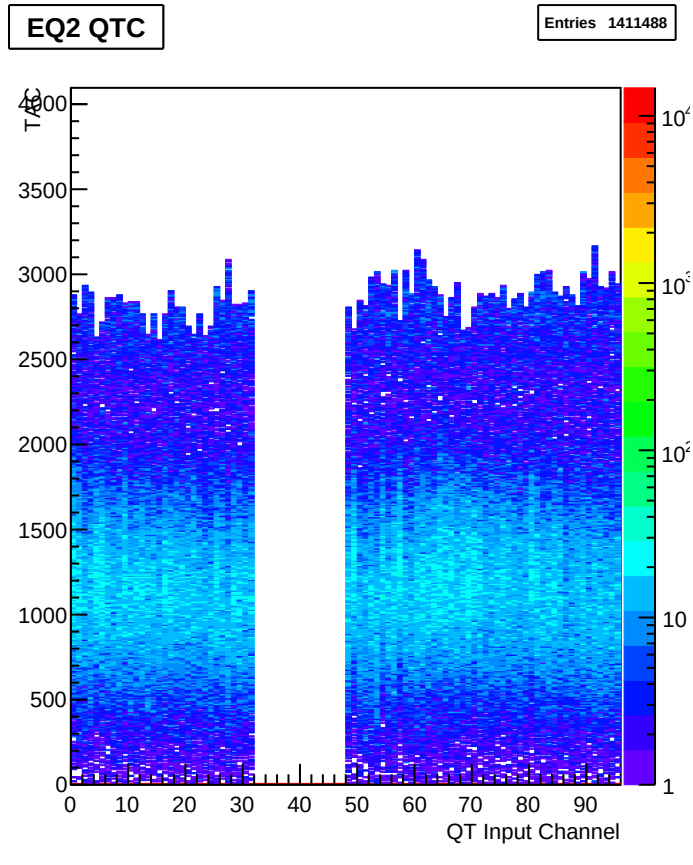

EQ1 QTC
Entries 1411488
ADC
QT Input Channel

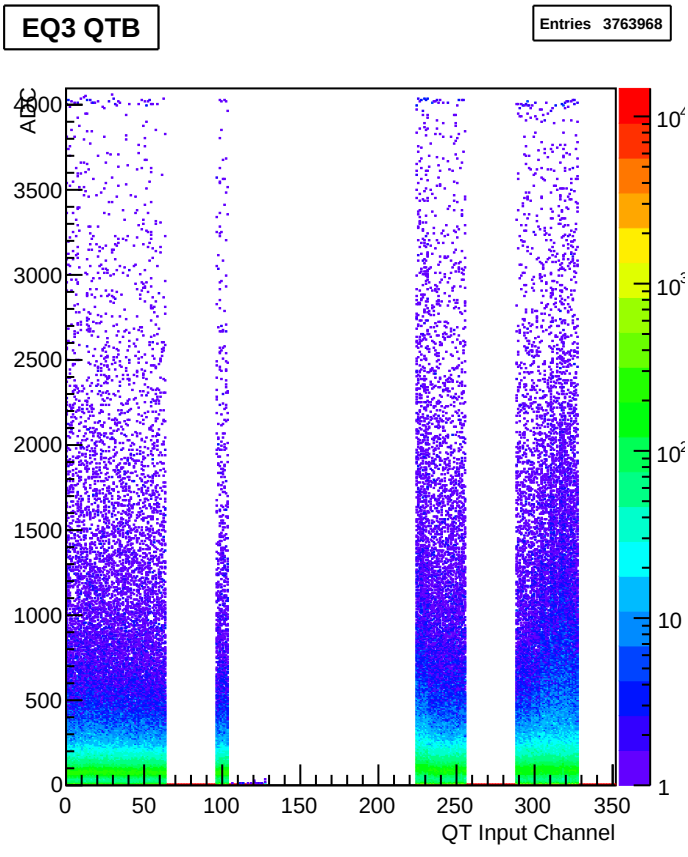

EQ1 QTC
Entries 1411488
TAC
QT Input Channel

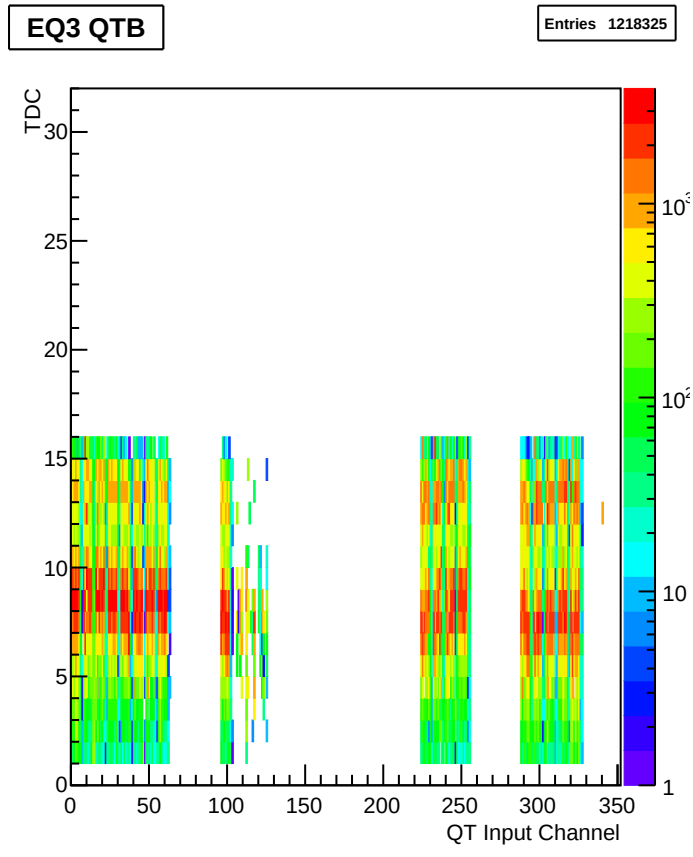

EQ2 QTB
Entries 4234464
ADC
QT Input Channel

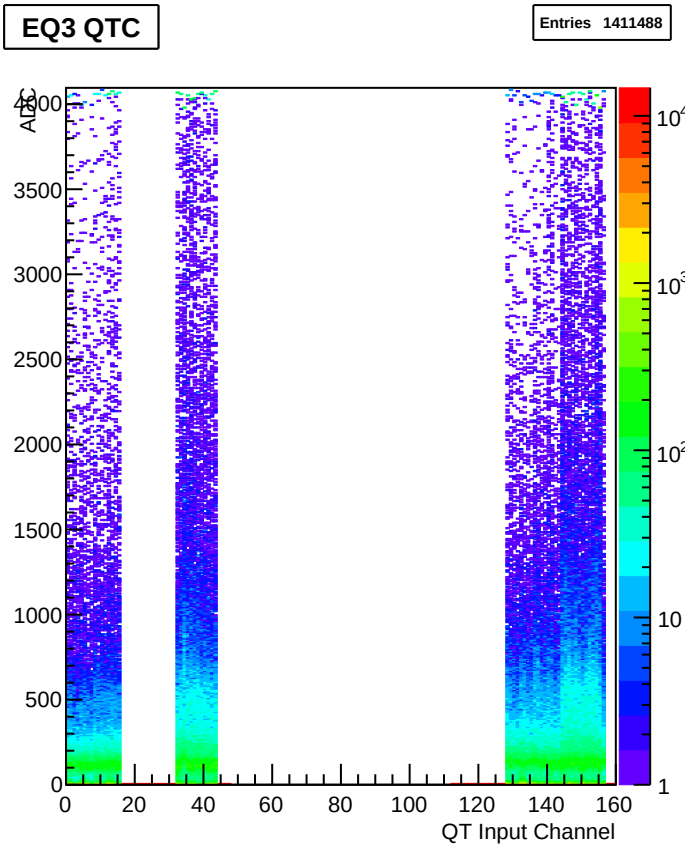

EQ2 QTB
Entries 1546276
TDC
QT Input Channel

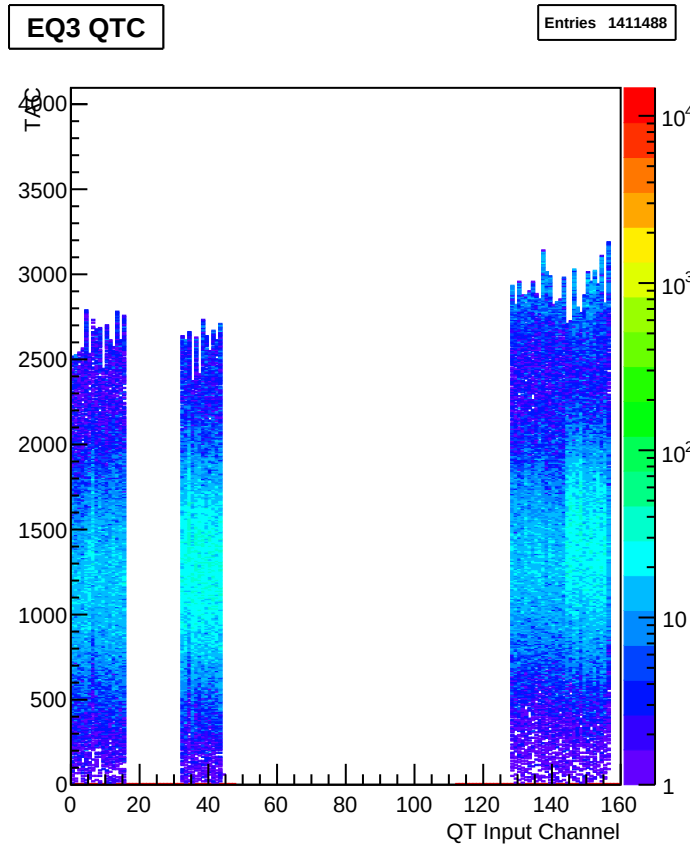

EQ2 QTC
Entries 1411488
ADC
QT Input Channel

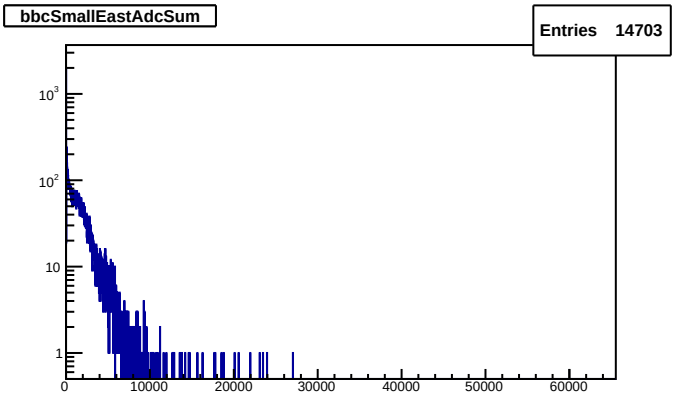

EQ2 QTC
Entries 1411488
TADC
QT Input Channel

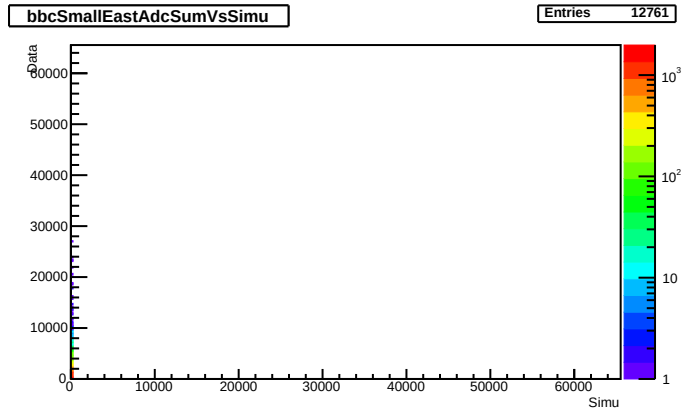

EQ3 QTB
Entries 3763968
ADC
QT Input Channel

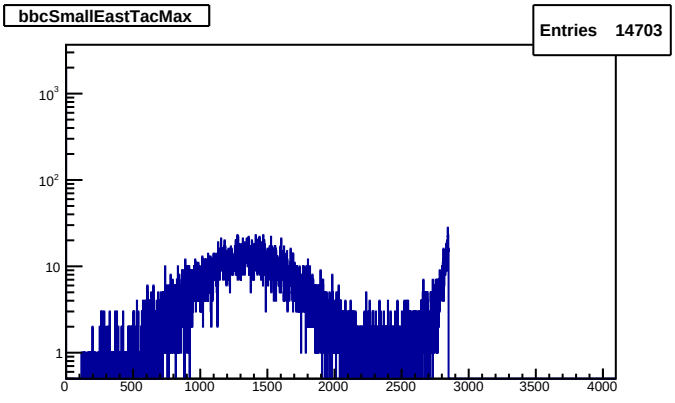

EQ3 QTB
Entries 1218325
TDC
QT Input Channel

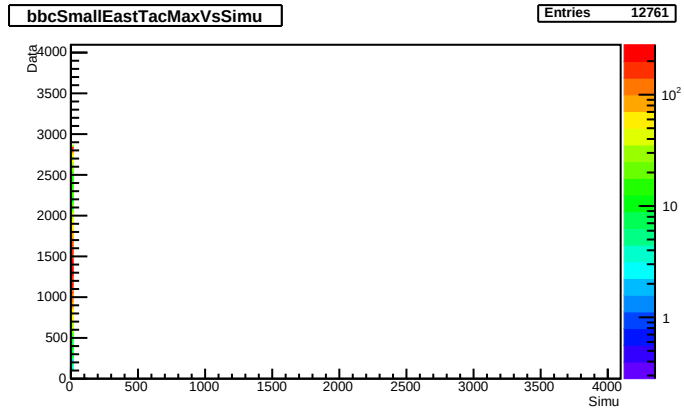

EQ3 QTC
Entries 1411488
ADC
QT Input Channel

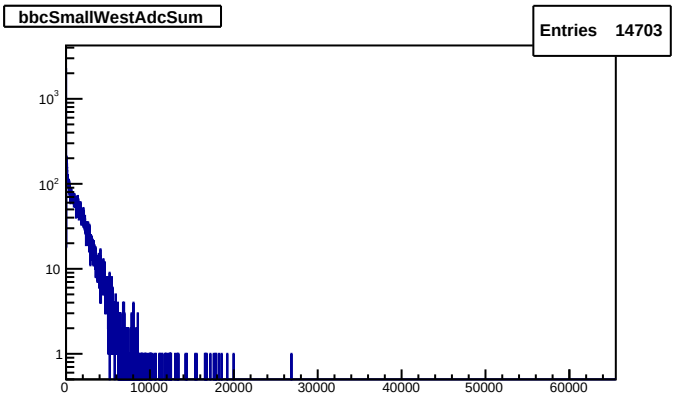

EQ3 QTC
Entries 1411488
TADC
QT Input Channel

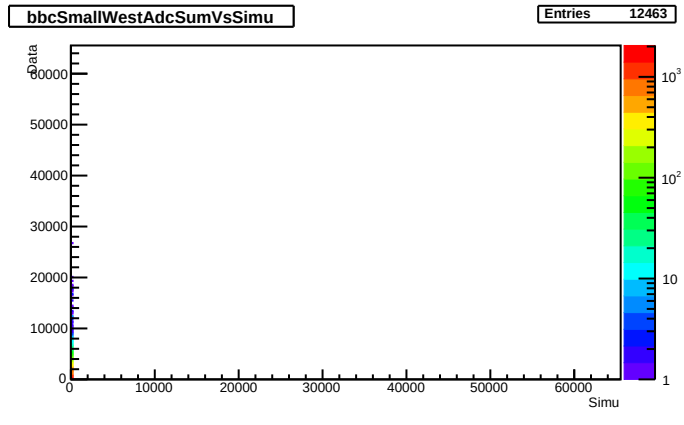

bbcSmallEastAdcSum
Entries 14703

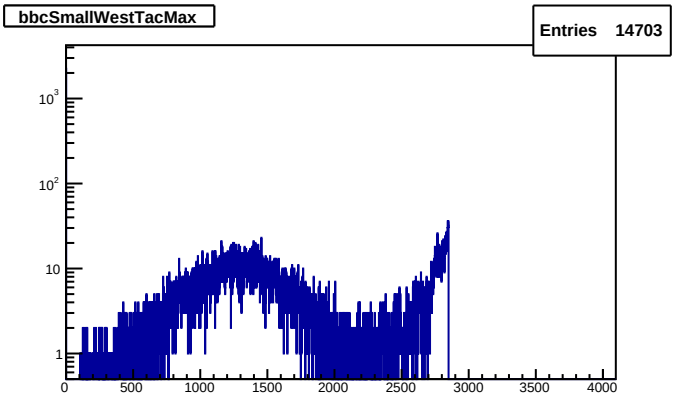

bbcSmallEastAdcSumVsSimu
Entries 12761
Data
Simu

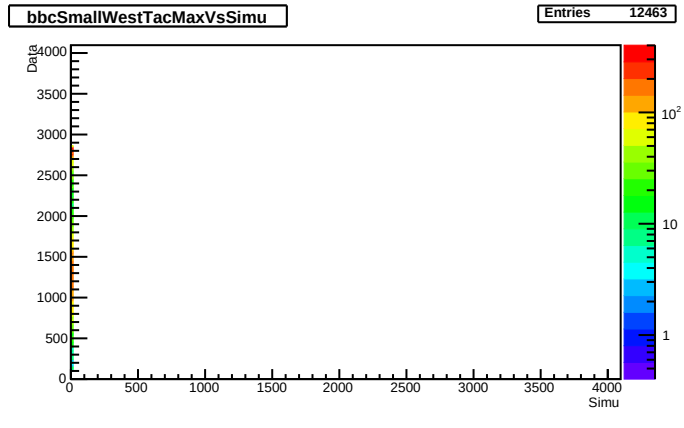

bbcSmallEastTacMax
Entries 14703

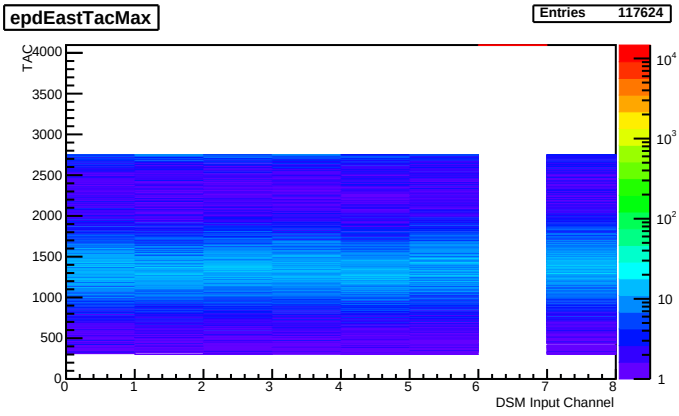

bbcSmallEastTacMaxVsSimu
Entries 12761
Data
Simu

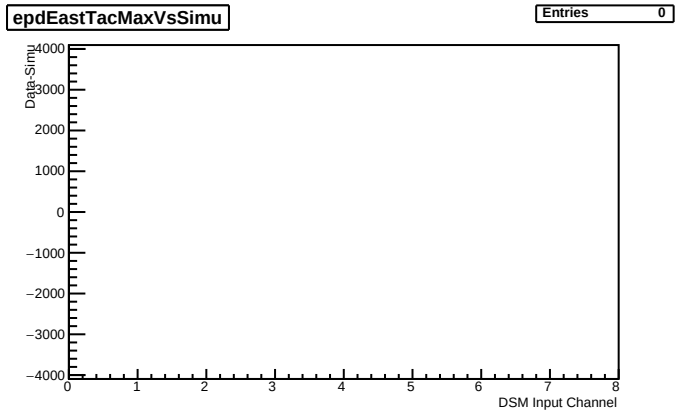

bbcSmallWestAdcSum
Entries 14703

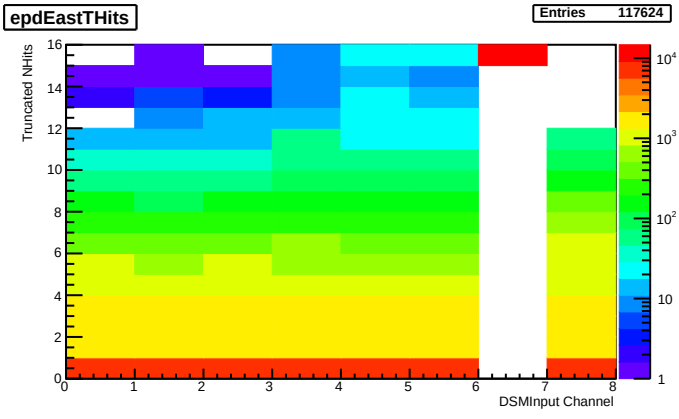

bbcSmallWestAdcSumVsSimu
Entries 12463
Data
Simu

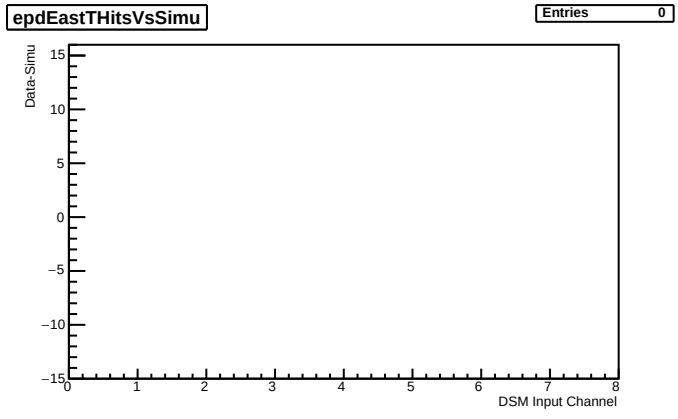

bbcSmallWestTacMax
Entries 14703

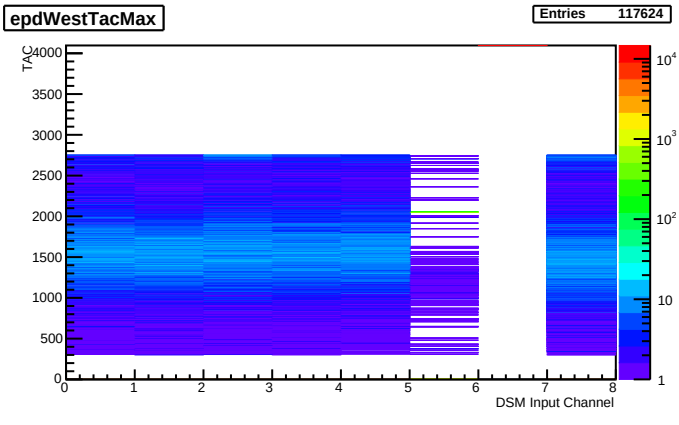

bbcSmallWestTacMaxVsSimu
Entries 12463
Data
Simu

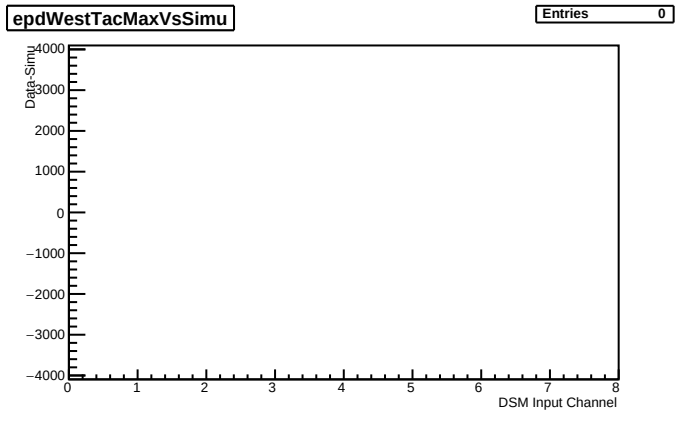

epdEastTacMax
Entries 117624
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 117624
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 117624
TAC
DSM Input Channel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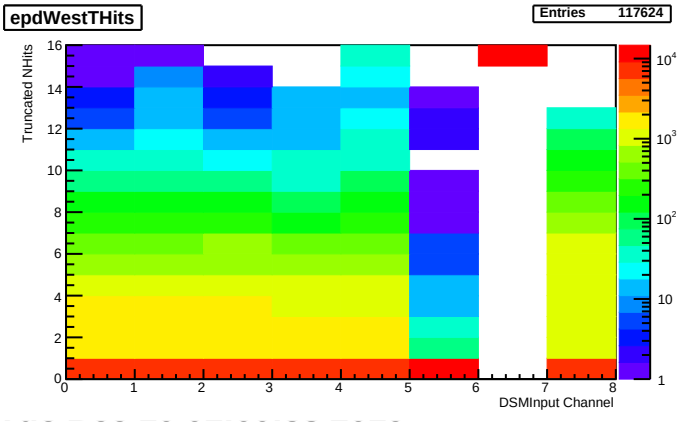
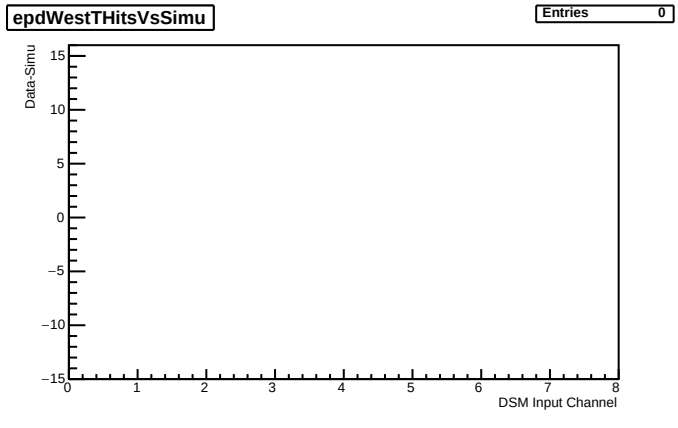
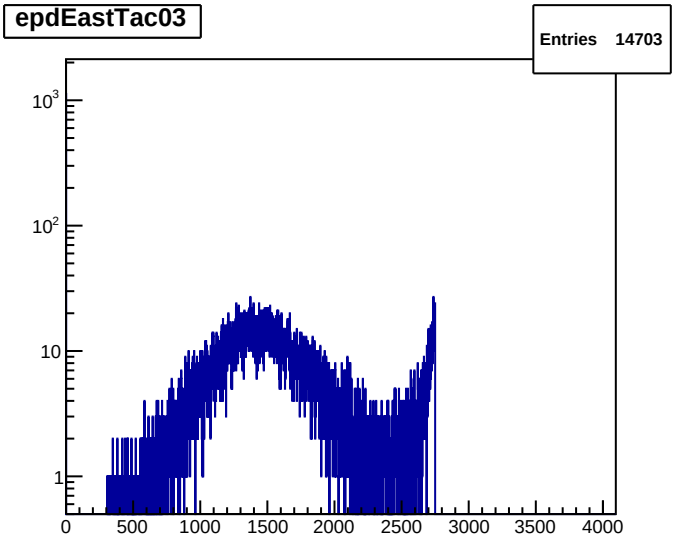
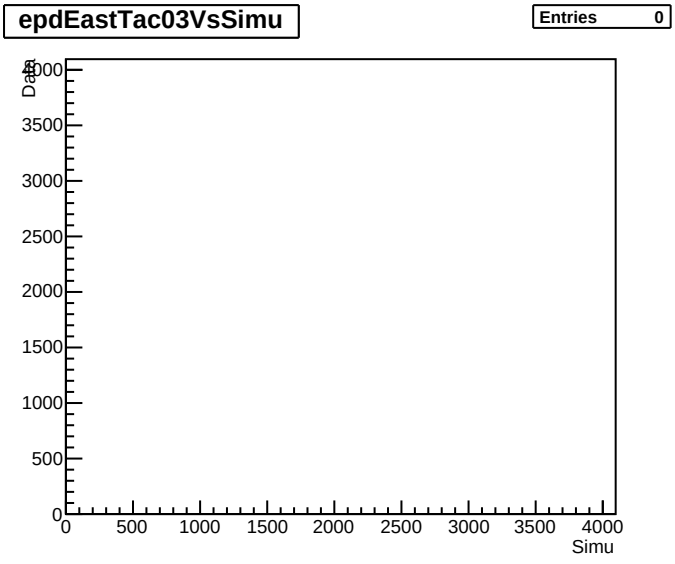
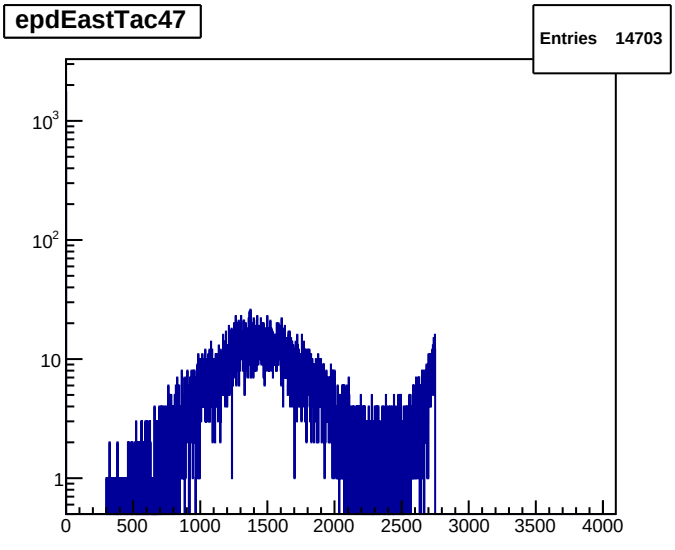
Entries 0
Data-Simu
DSM Input Channel

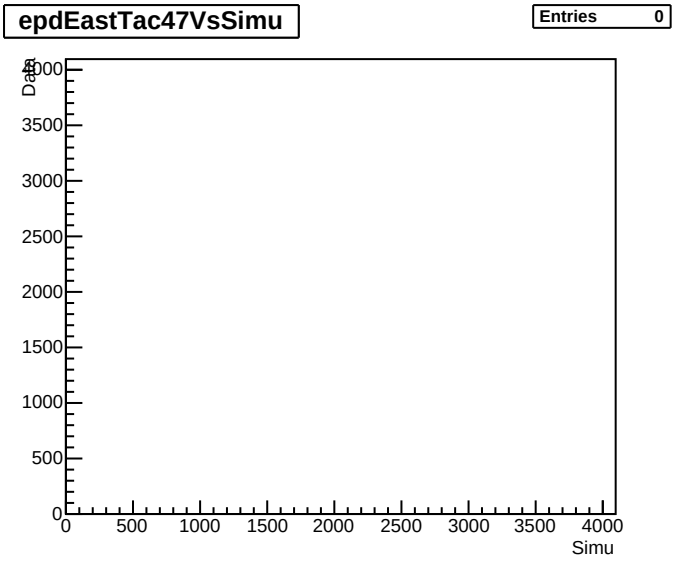

epdWestTHits
Entries 117624
Truncated NHits
DSMInput Channel

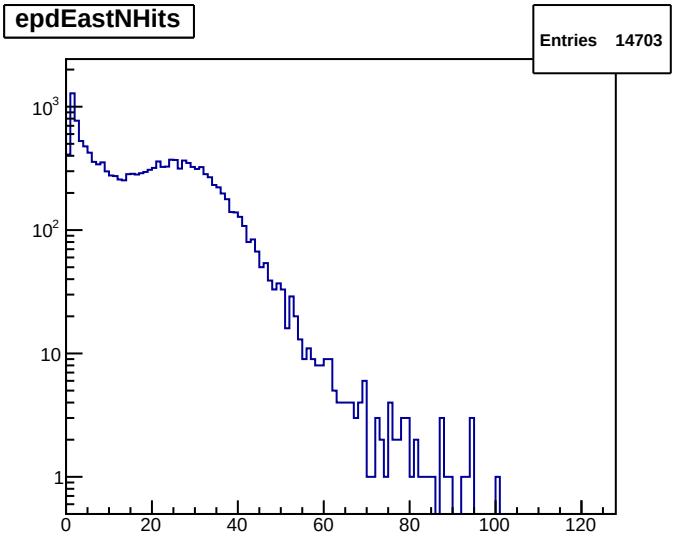

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

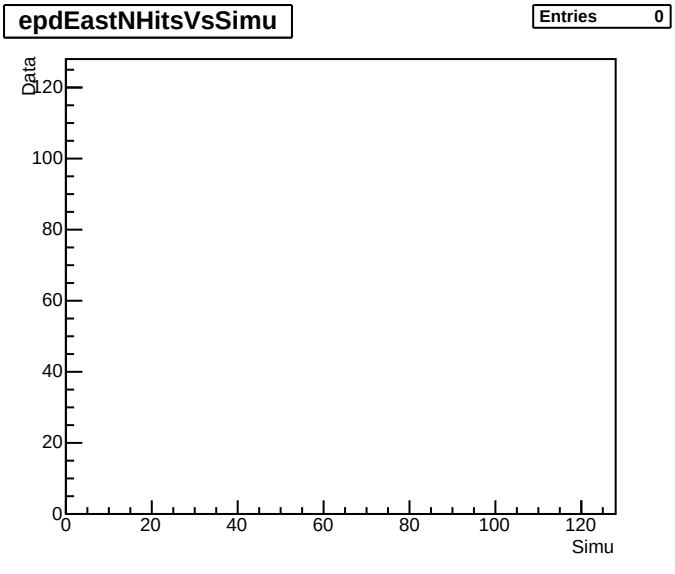

epdEastTac03
Entries 14703

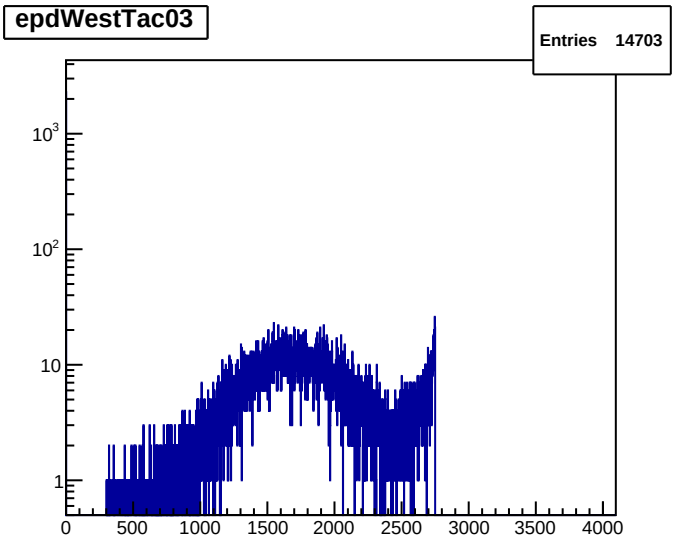

epdEastTac03VsSimu
Entries 0
Data
Simu

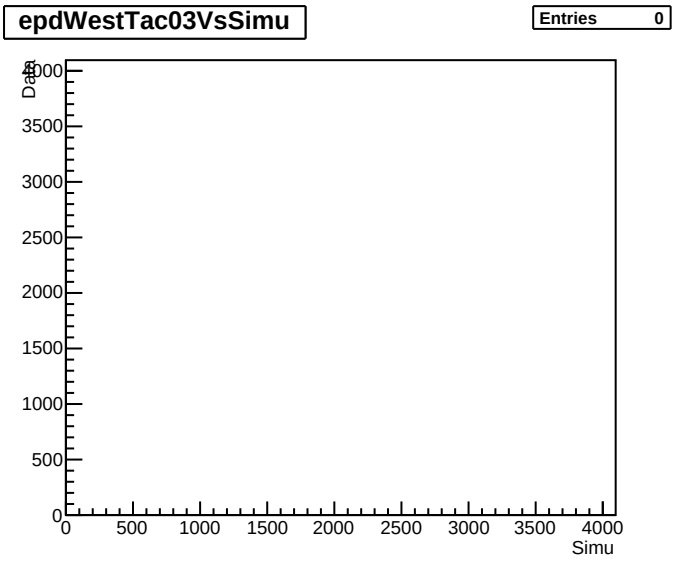

epdEastTac47
Entries 14703


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 14703


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 14703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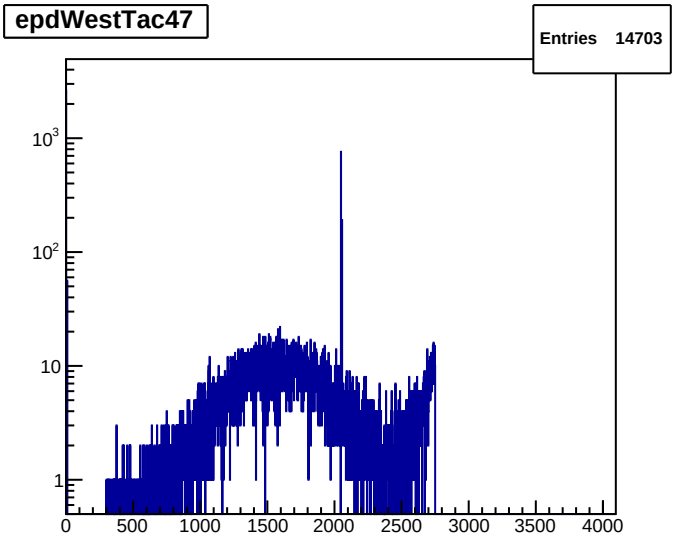
Entries 0
Data
Simu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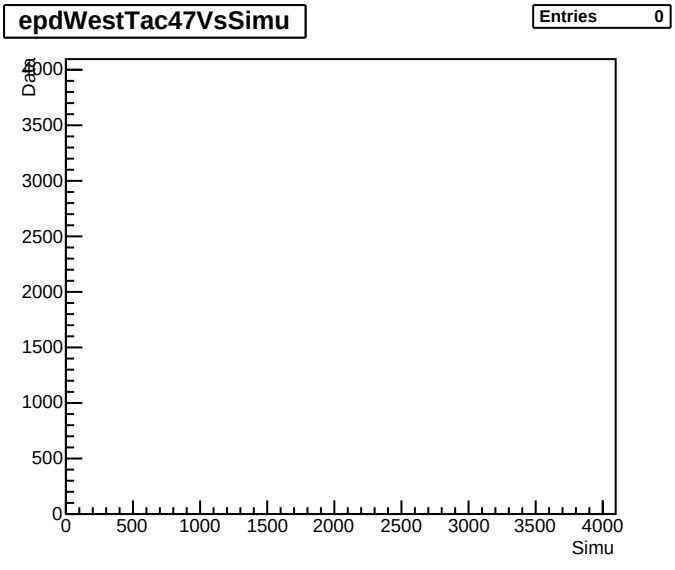
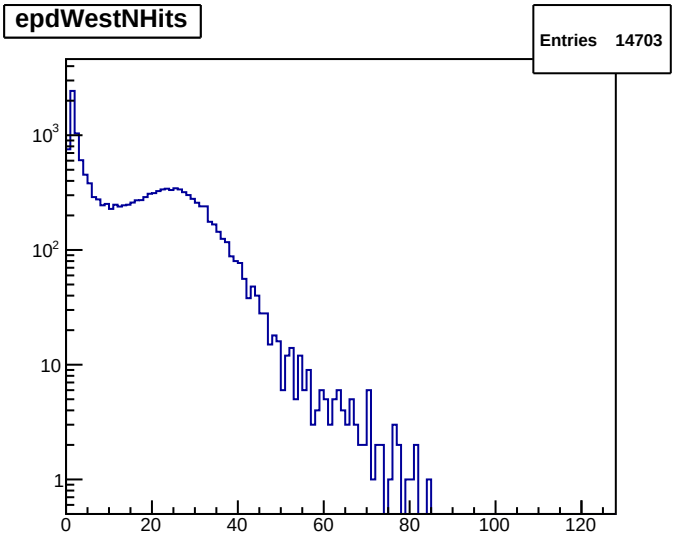
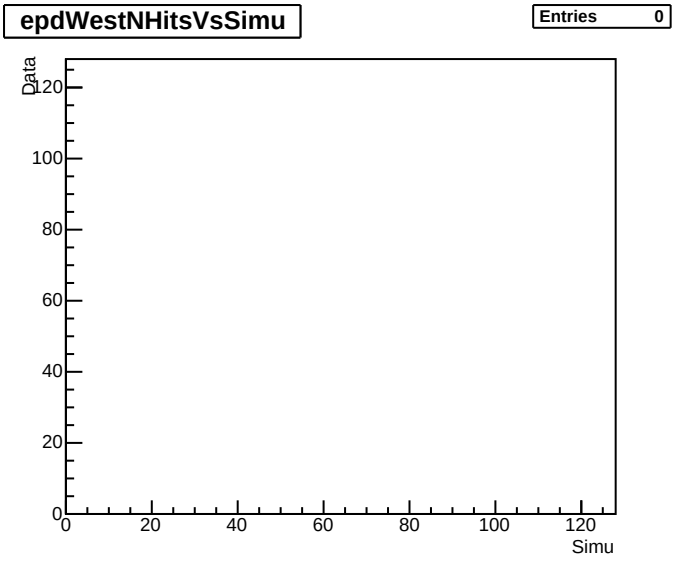
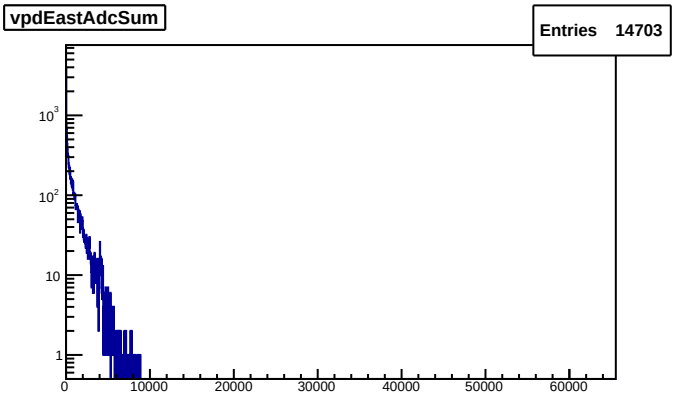
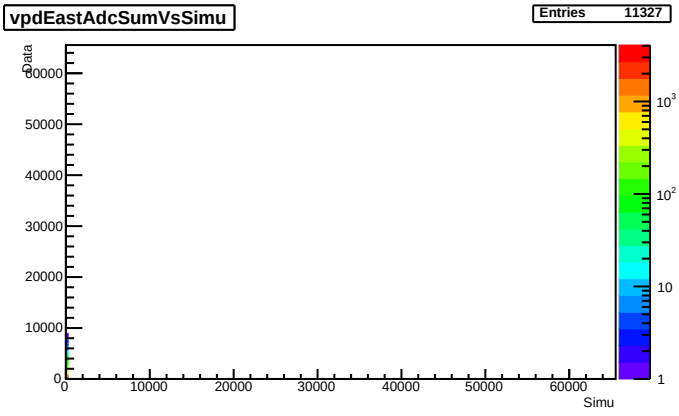
Entries 14703

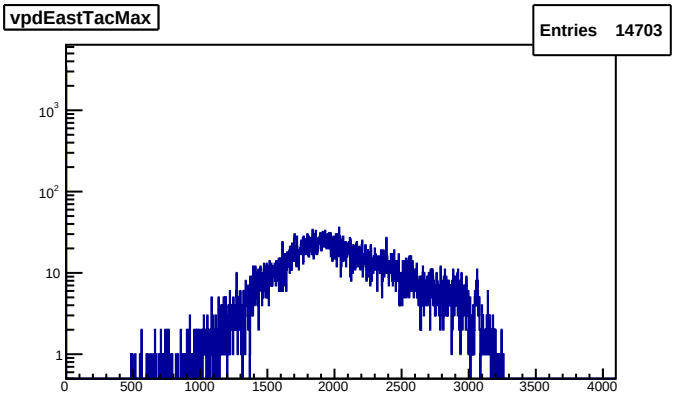

epdWestTac47VsSimu
Entries 0
Data
Simu

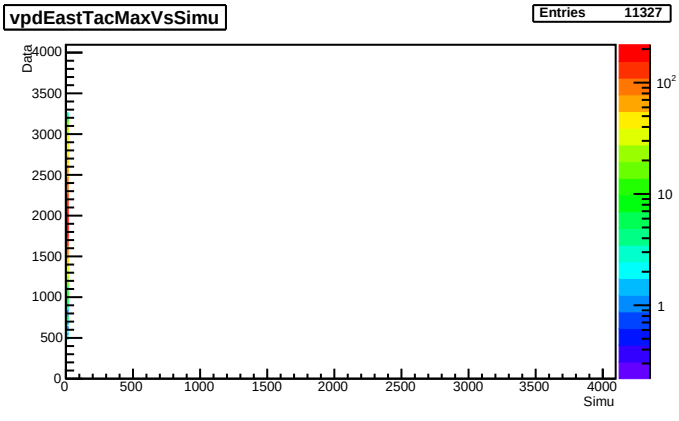

epdWestNHits
Entries 14703

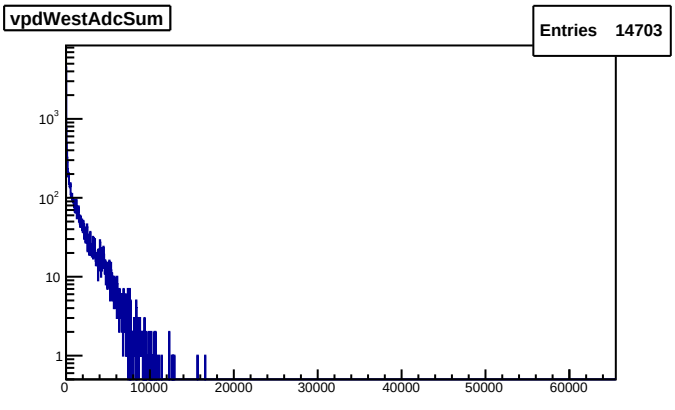

epdWestNHitsVsSimu
Entries 0
Data
Simu

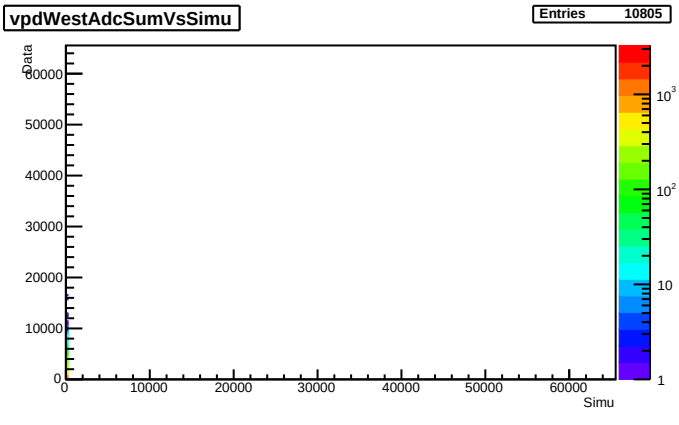

vpdEastAdcSum
Entries 14703

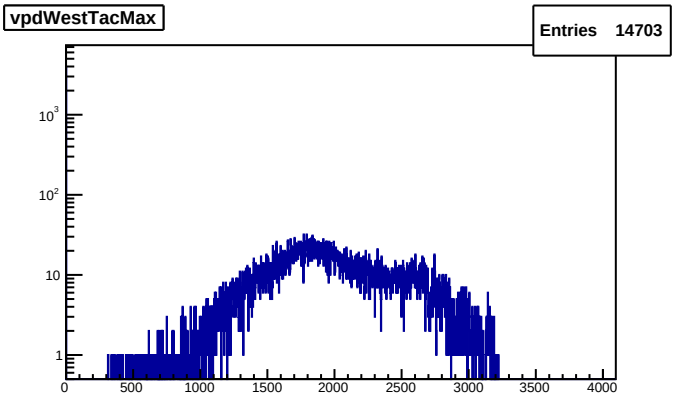

vpdEastAdcSumVsSimu
Entries 11327
Data
Simu

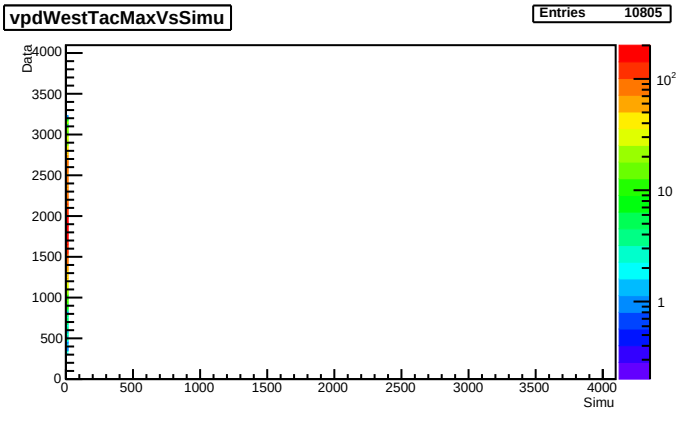

vpdEastTacMax
Entries 14703

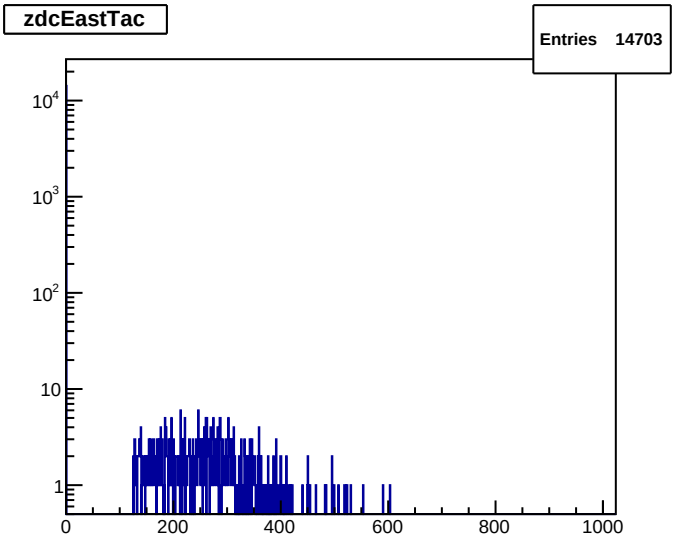

vpdEastTacMaxVsSimu
Entries 11327
Data
Simu

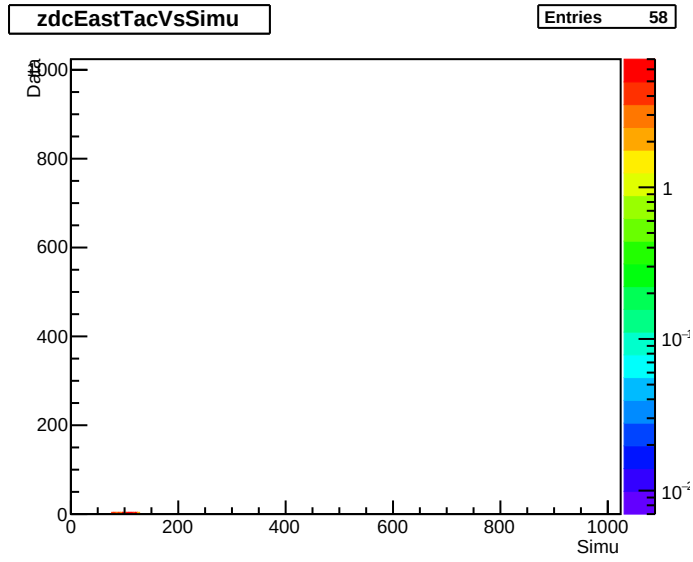

vpdWestAdcSum
Entries 14703

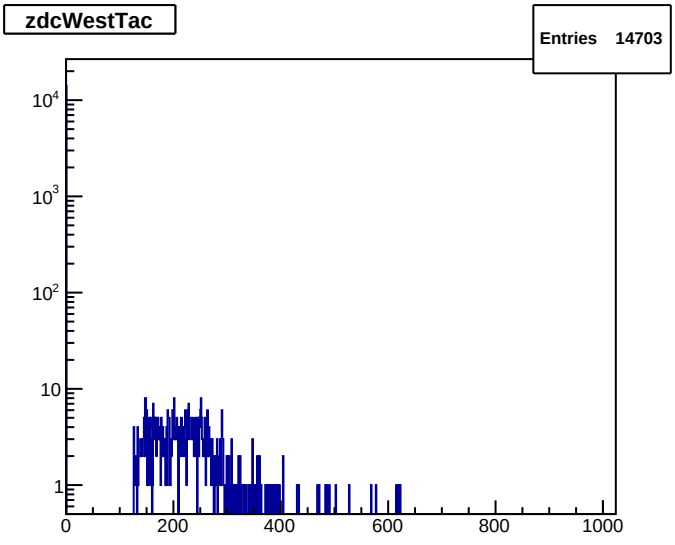

vpdWestAdcSumVsSimu
Entries 10805
Data
Simu

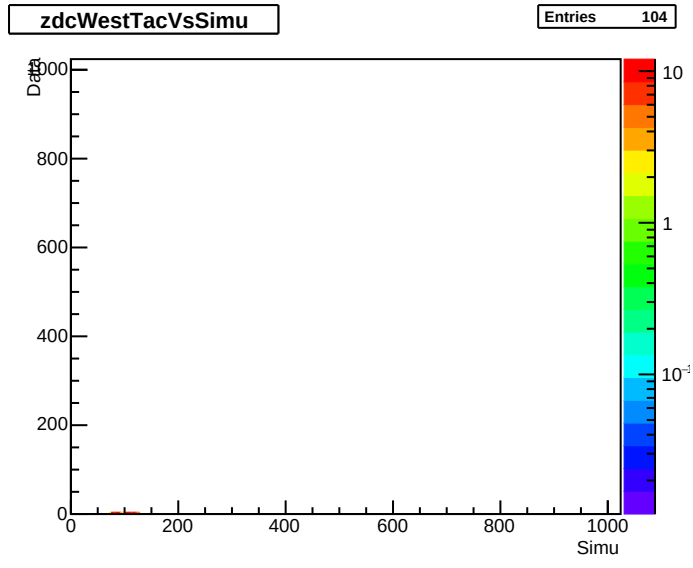

vpdWestTacMax
Entries 14703

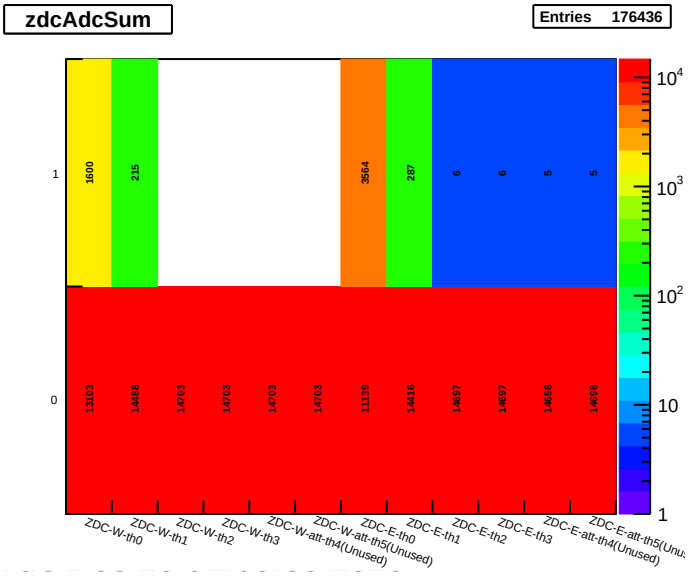

vpdWestTacMaxVsSimu
Entries 10805
Data
Simu

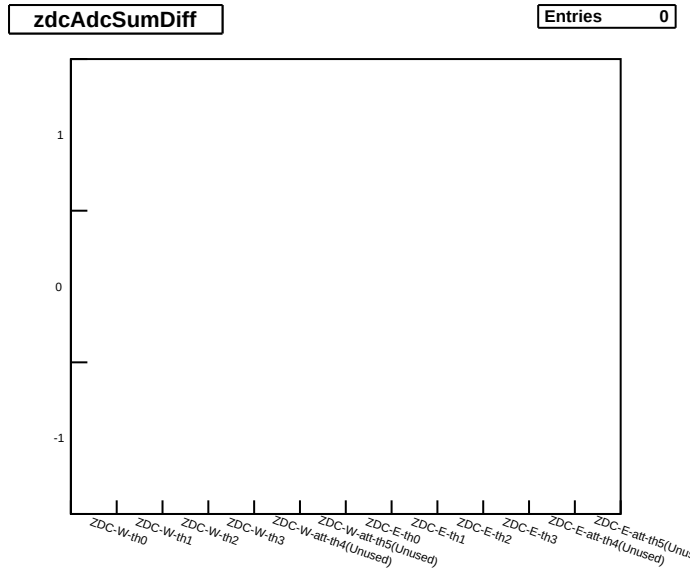

zdcEastTac
Entries 14703

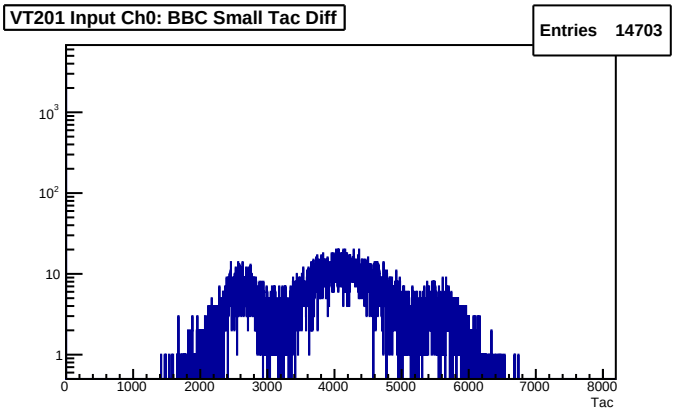

zdcEastTacVsSimu
Entries 58
Data
Simu

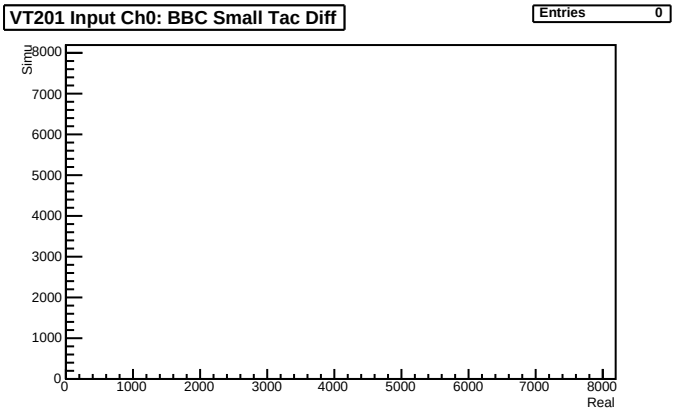

zdcWestTac
Entries 14703

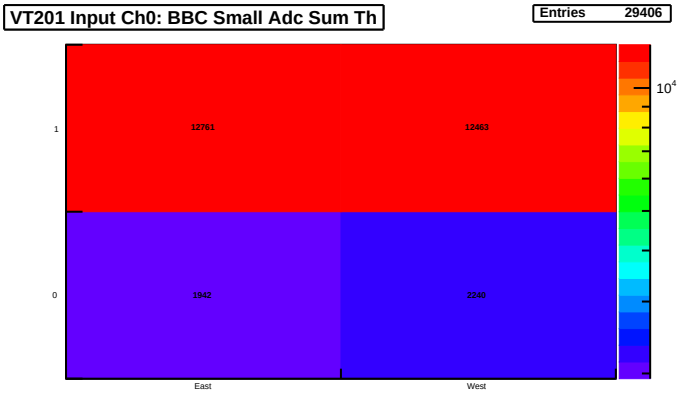

zdcWestTacVsSimu
Entries 104
Data
Simu

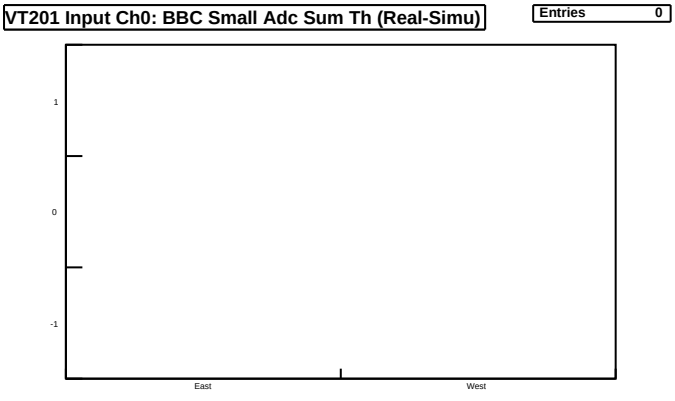

zdcAdcSum
Entries 176436
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

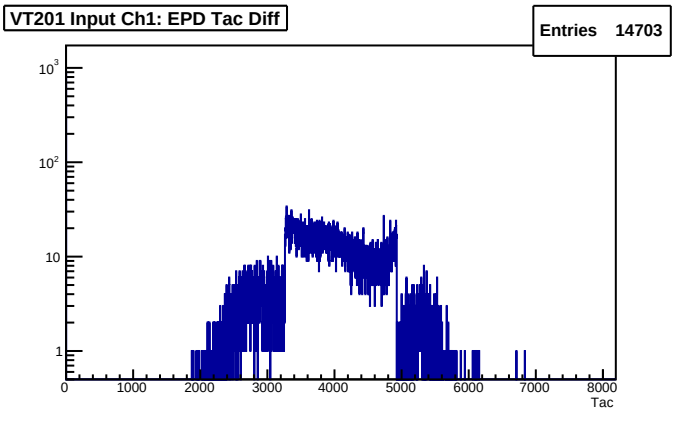

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

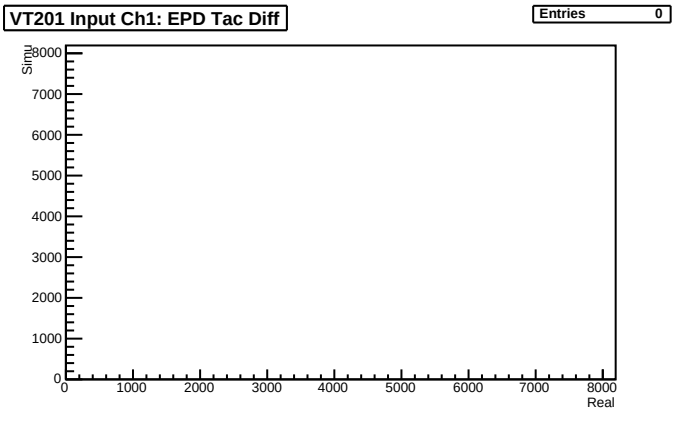

VT201 Input Ch0: BBC Small Tac Diff
Entries 14703
Tac

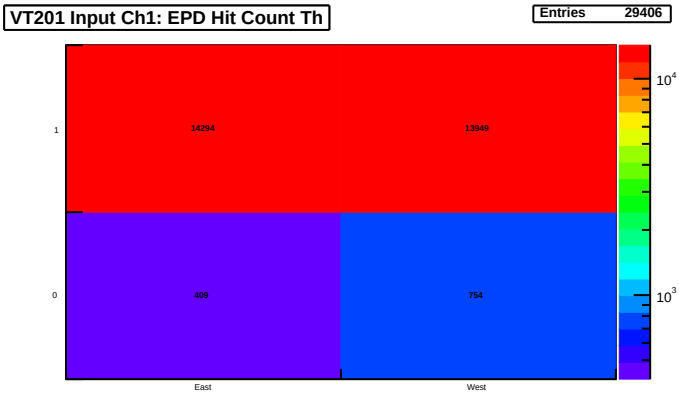

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

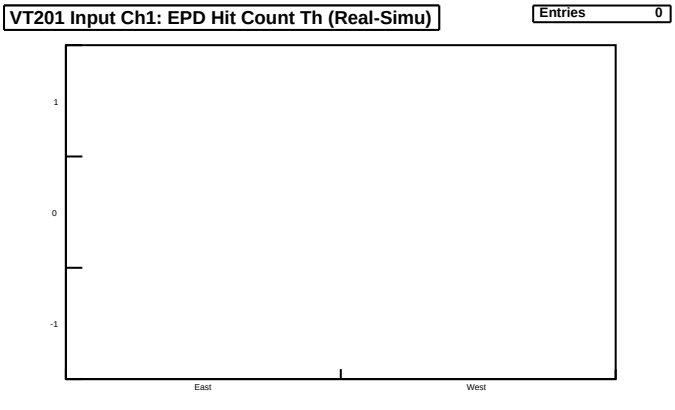

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 29406
12761
12463
1942
2240
East
West

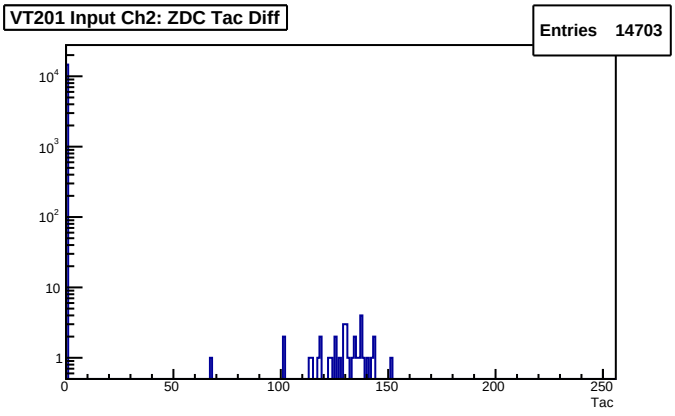

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

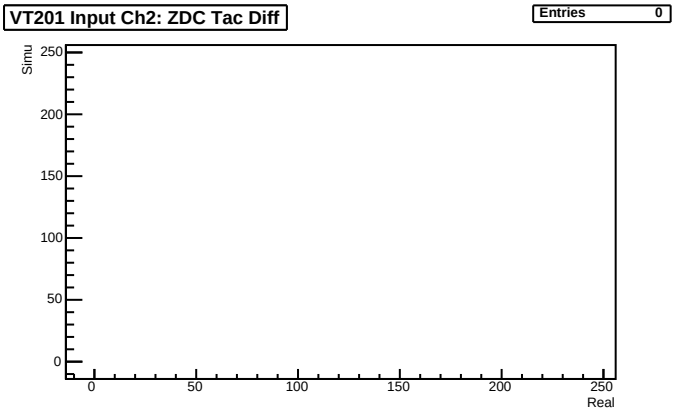

VT201 Input Ch1: EPD Tac Diff
Entries 14703
Tac

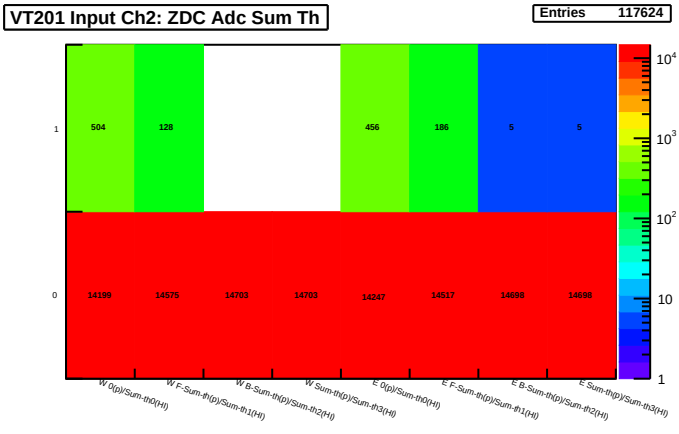

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

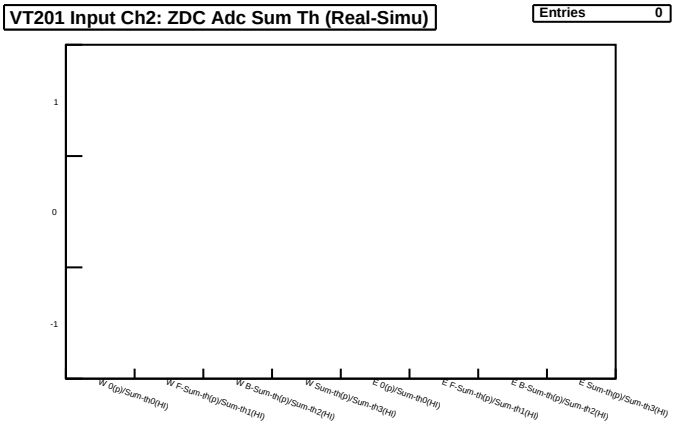

VT201 Input Ch1: EPD Hit Count Th
Entries 29406
14294
13949
409
754
East
West

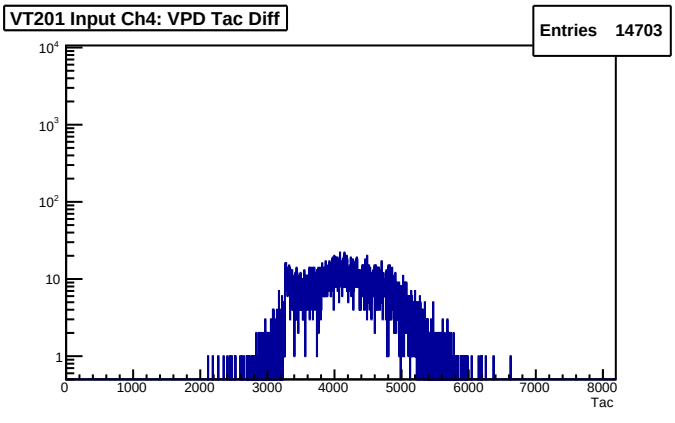

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

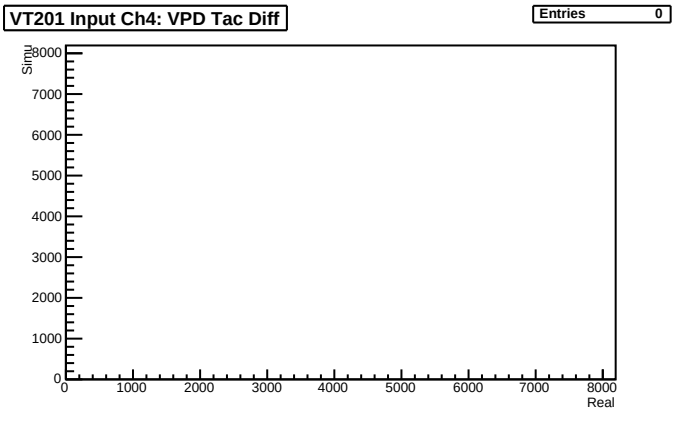

VT201 Input Ch2: ZDC Tac Diff
Entries 14703
Tac

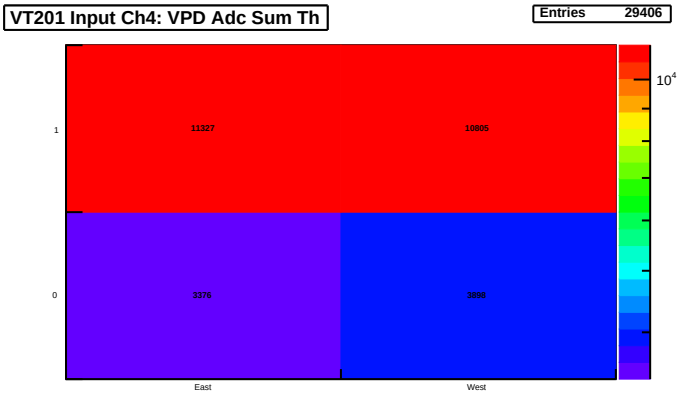

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

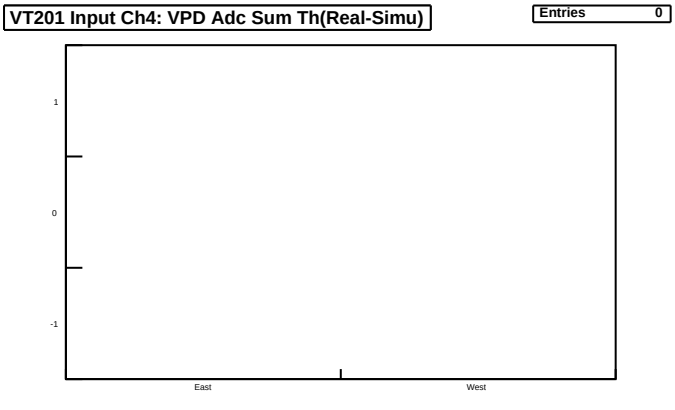

VT201 Input Ch2: ZDC Adc Sum Th
Entries 117624
504
128
456
186
5
5
14199
14575
14703
14703
14247
14517
14698
14698
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

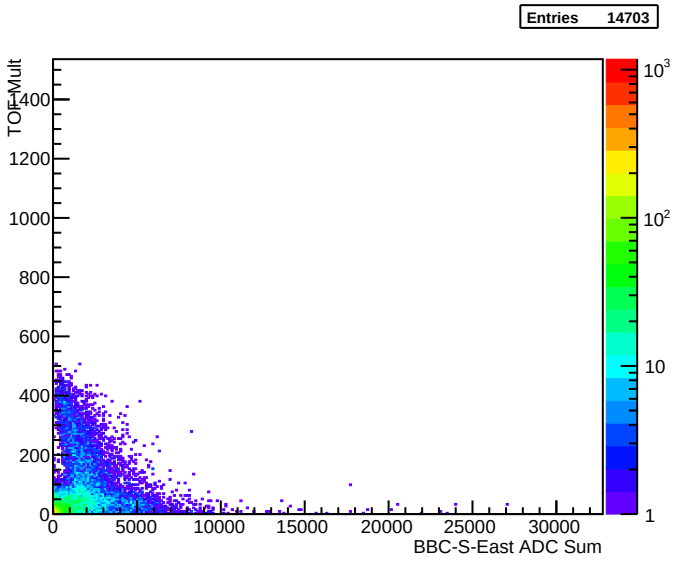

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

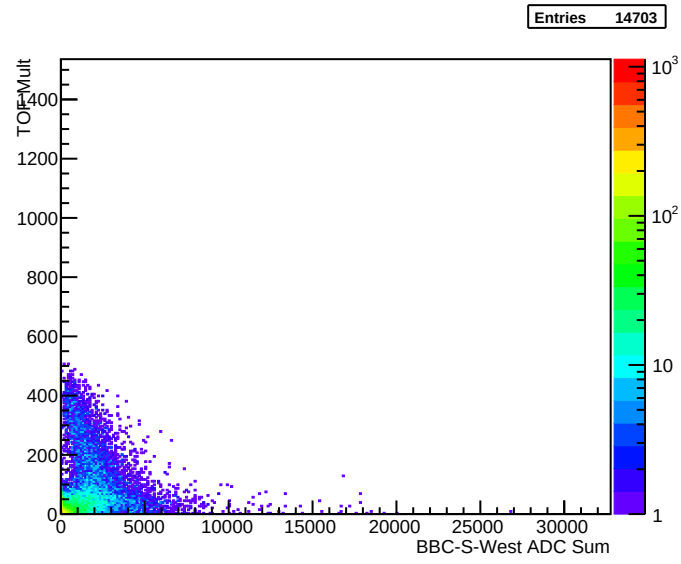

VT201 Input Ch4: VPD Tac Diff
Entries 14703
Tac

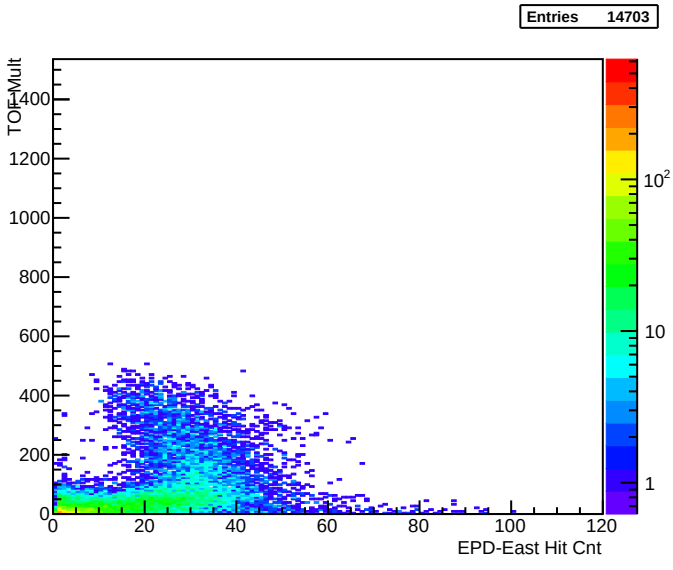

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

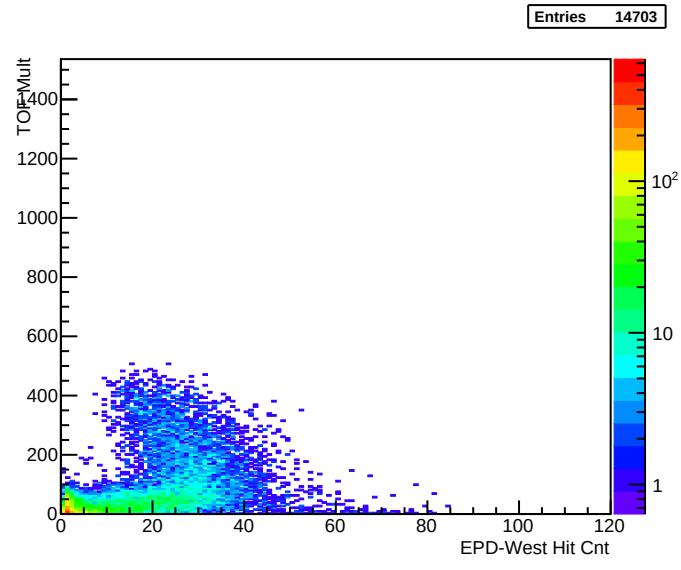

VT201 Input Ch4: VPD Adc Sum Th
Entries 29406
11327
10805
3376
3898
East
West

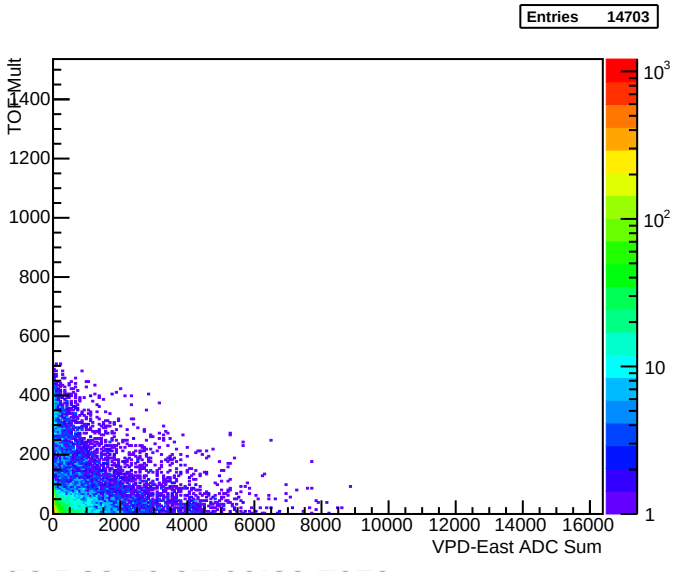

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

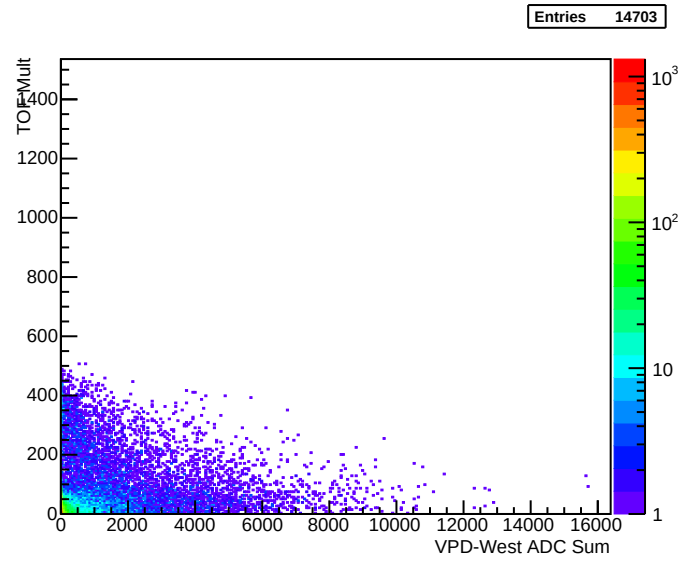

Entries 14703
TOF-Mult
BBC-S-East ADC Sum

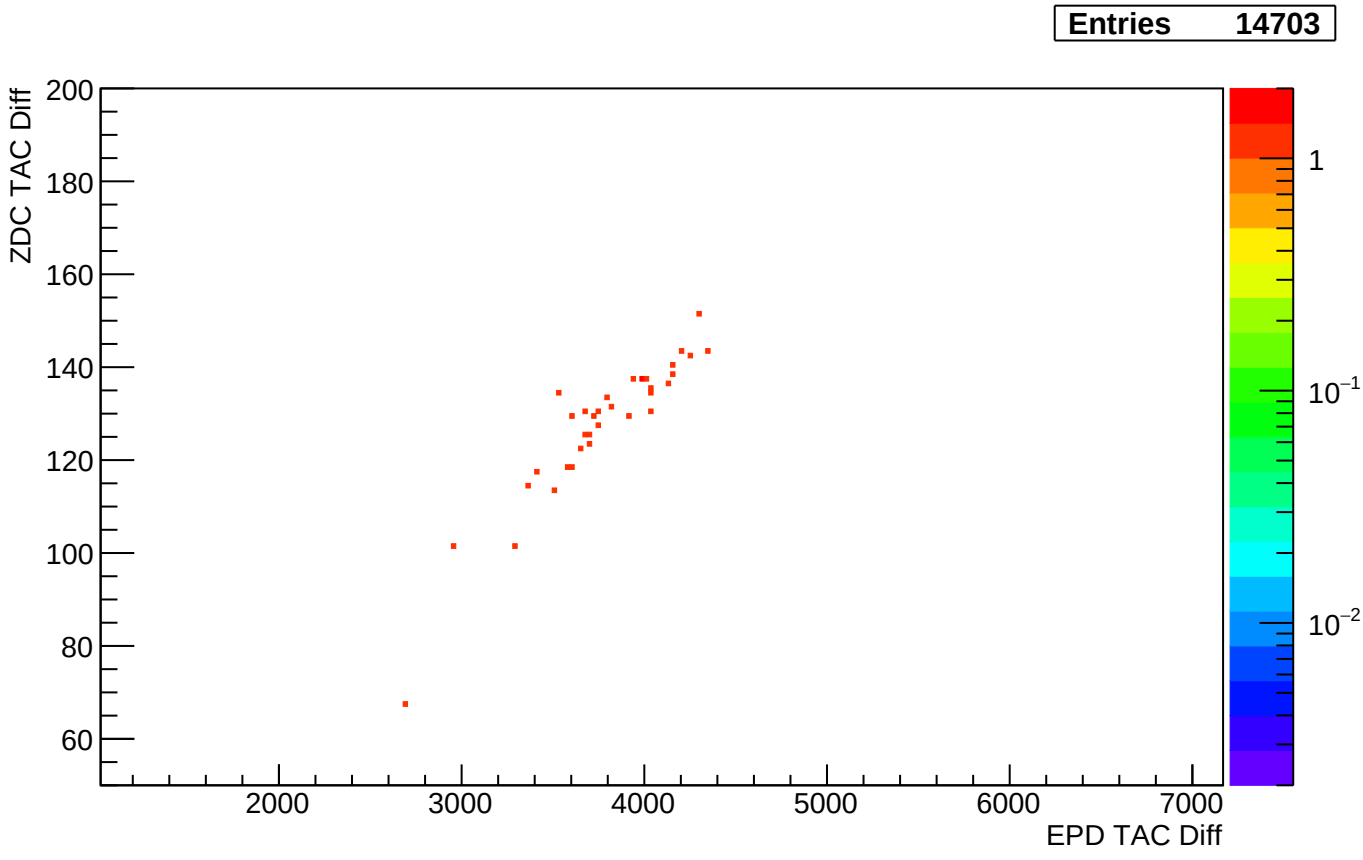

Entries 14703
TOF-Mult
BBC-S-West ADC Sum

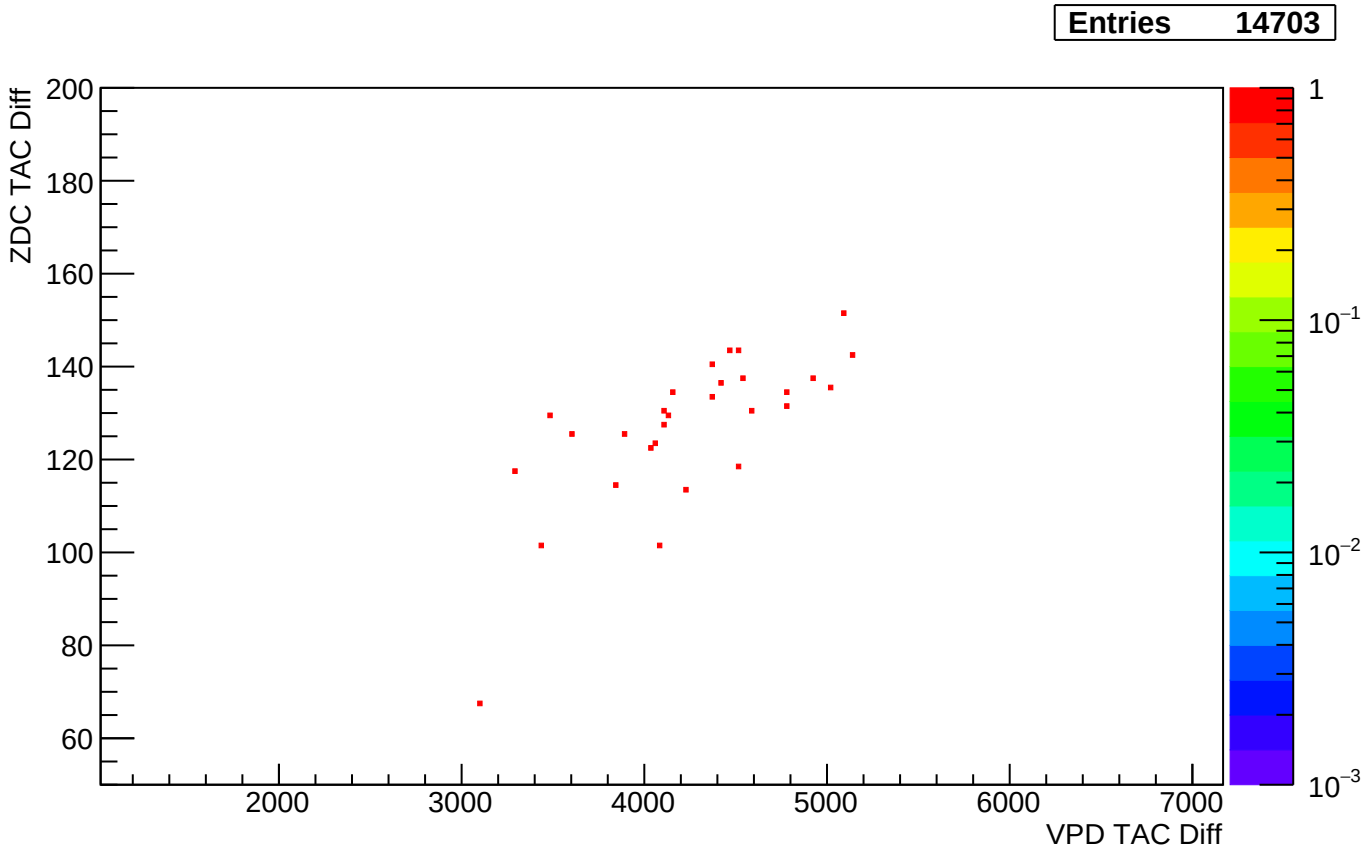

Entries 14703
TOF-Mult
EPD-East Hit Cnt

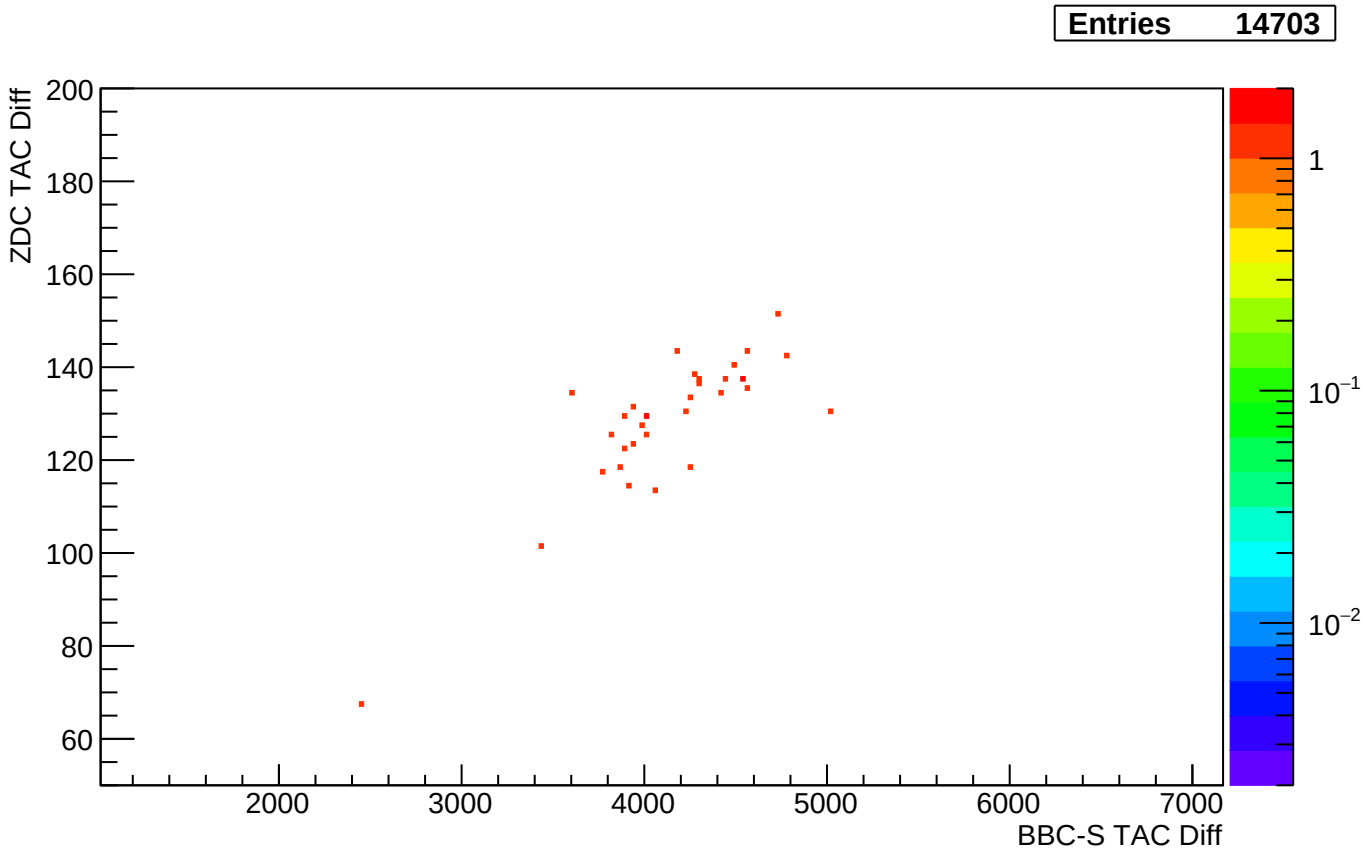

Entries 14703
TOF-Mult
EPD-West Hit Cnt

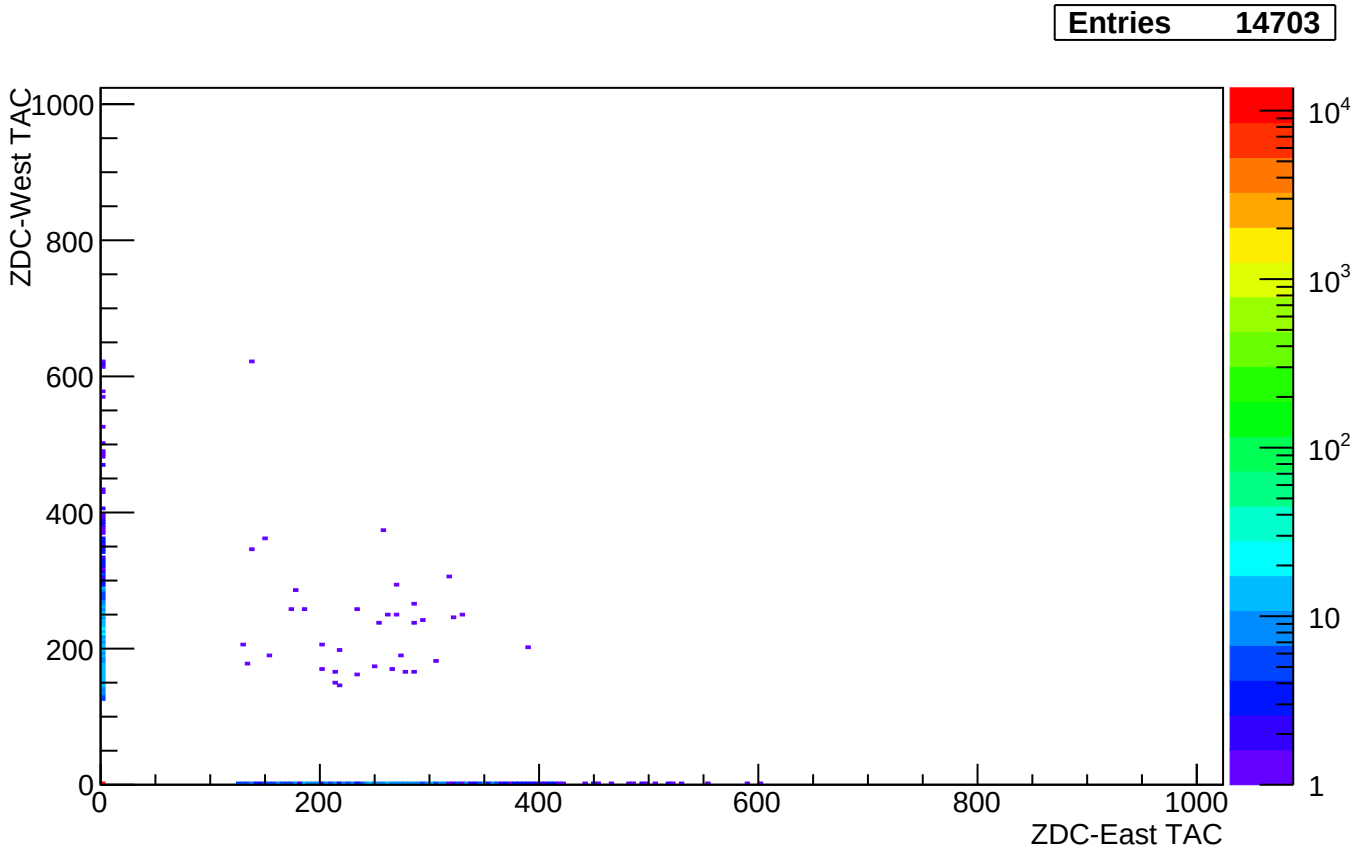

Entries 14703
TOF-Mult
VPD-East ADC Sum

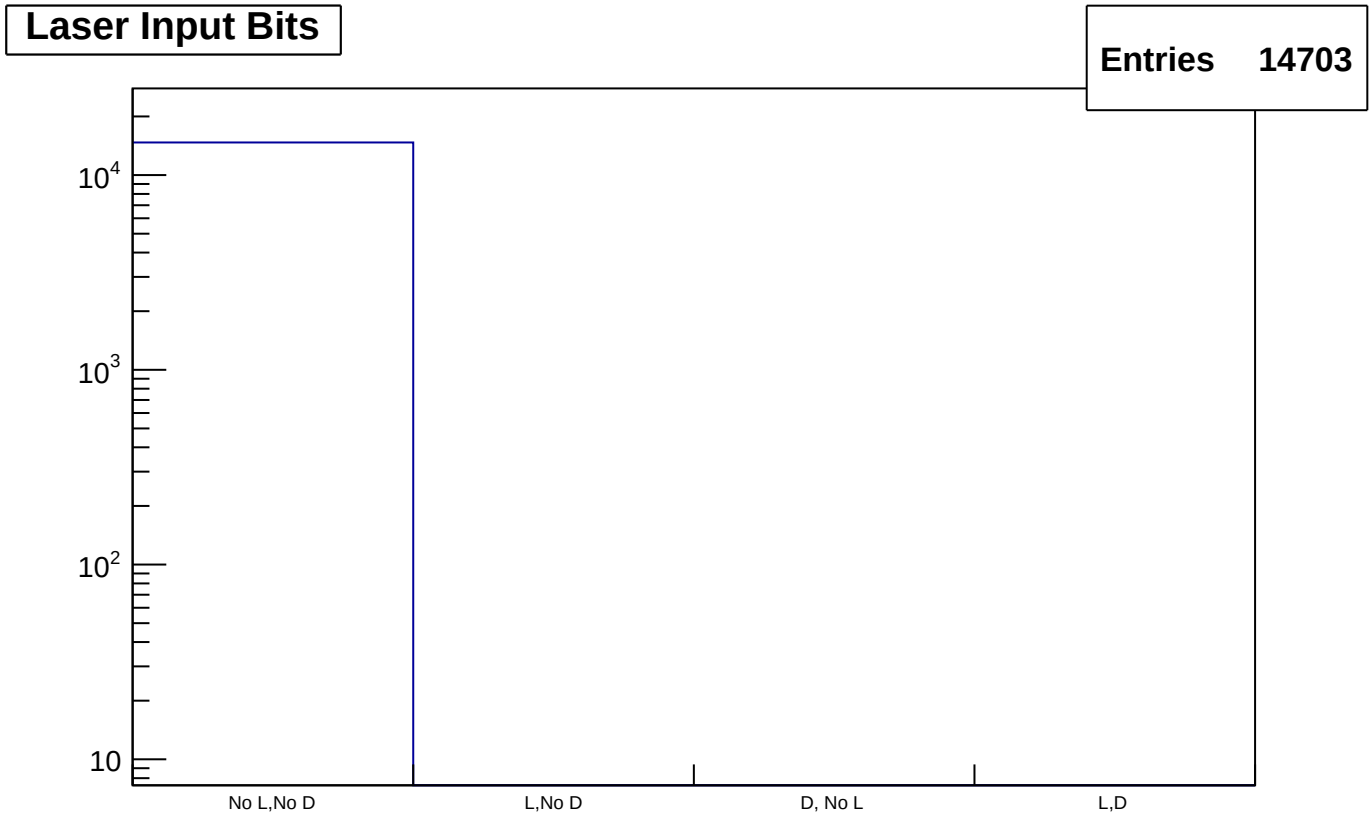

Entries 14703
TOF-Mult
VPD-West ADC Sum

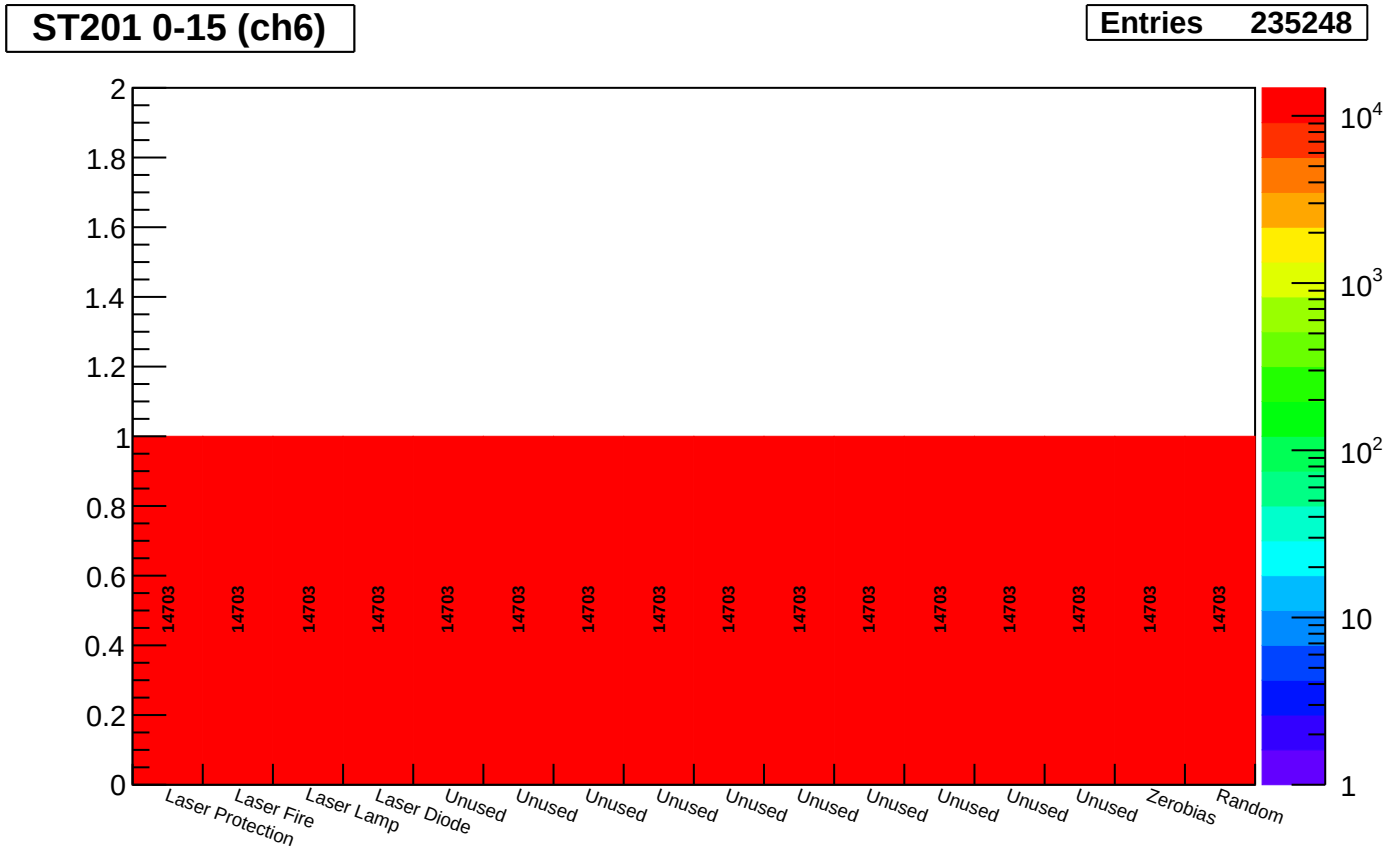

Entries 14703
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

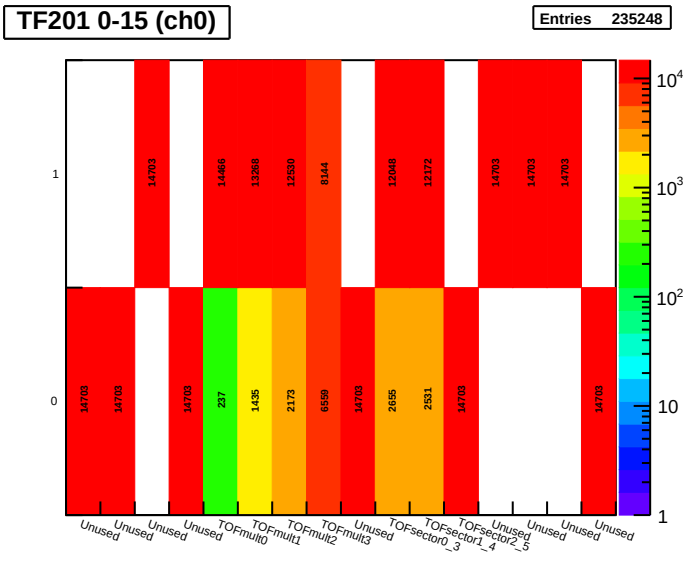

Entries 14703
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

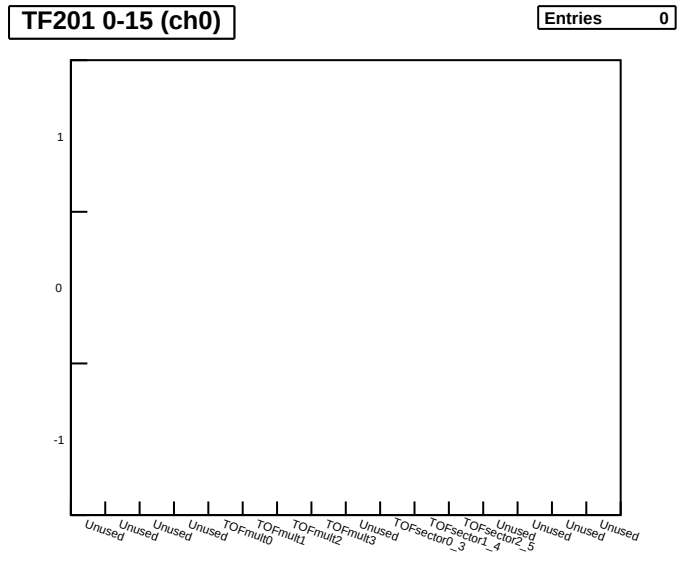

Entries 14703
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

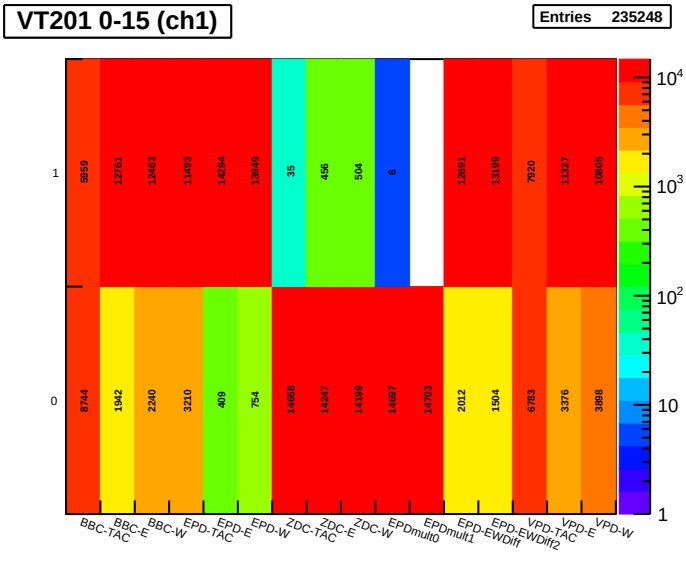

Entries 14703
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

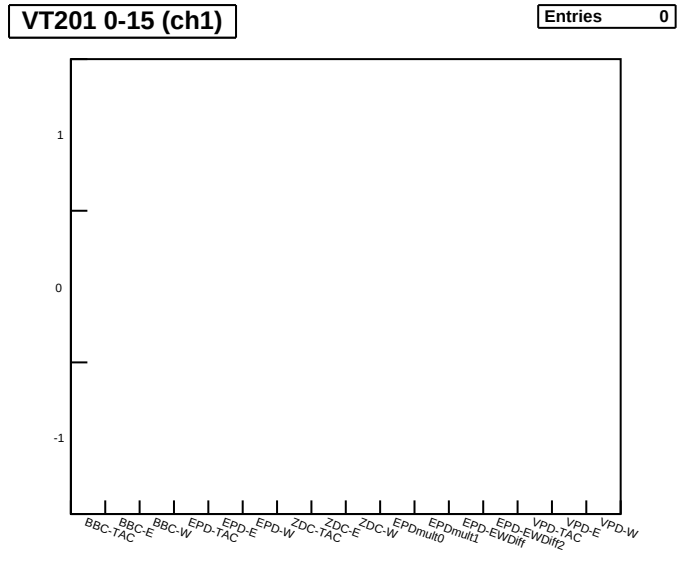

Laser Input Bits
Entries 14703
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

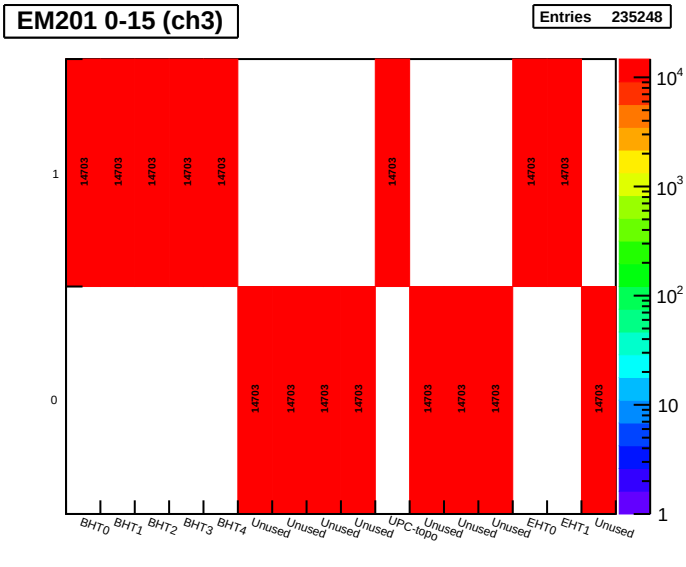

ST201 0-15 (ch6)
Entries 235248
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
14703
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

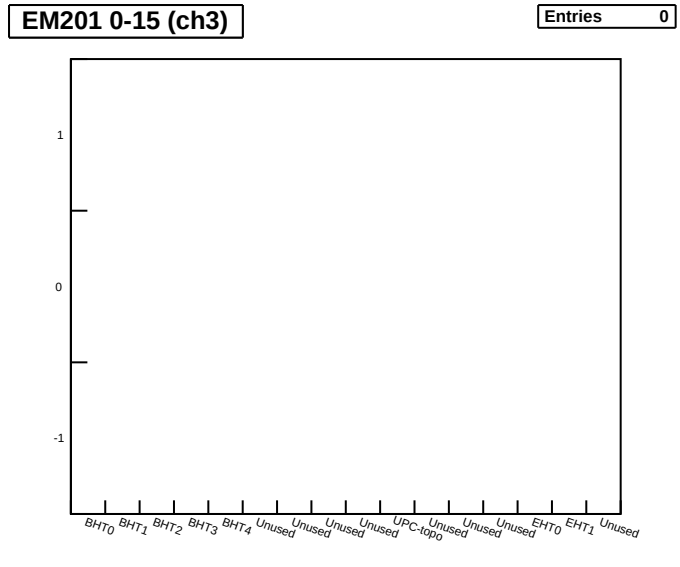

TF201 0-15 (ch0)
Entries 235248
1
0
14703 14466 13268 12530 8144 12048 12172 14703 14703 14703
14703 14703 14703 237 1435 2173 6559 14703 2655 2531 14703 14703
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
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 235248
1
0
5959 12761 12463 11493 14294 13949 35 456 504 6 12691 13199 7920 11327 18605
8744 1942 2240 3210 409 754 14668 14247 14199 14697 14703 2012 1504 6783 3376 3898
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 235248
1
0
14703 14703 14703 14703 14703 14703 14703
14703 14703 14703 14703 14703 14703 14703 14703
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