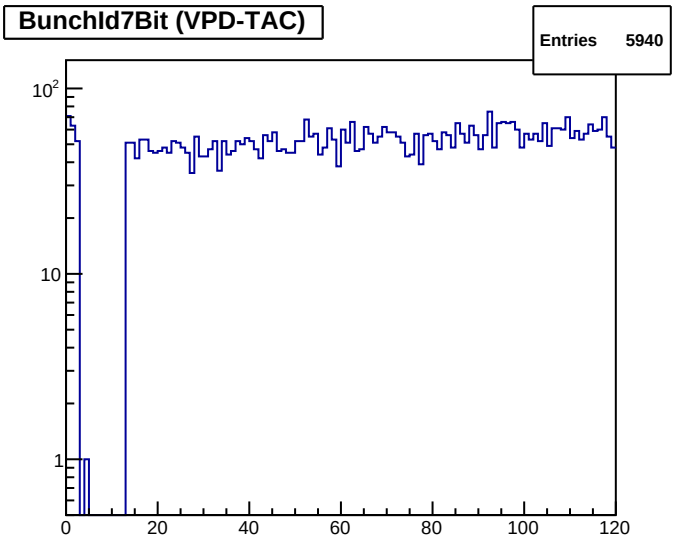
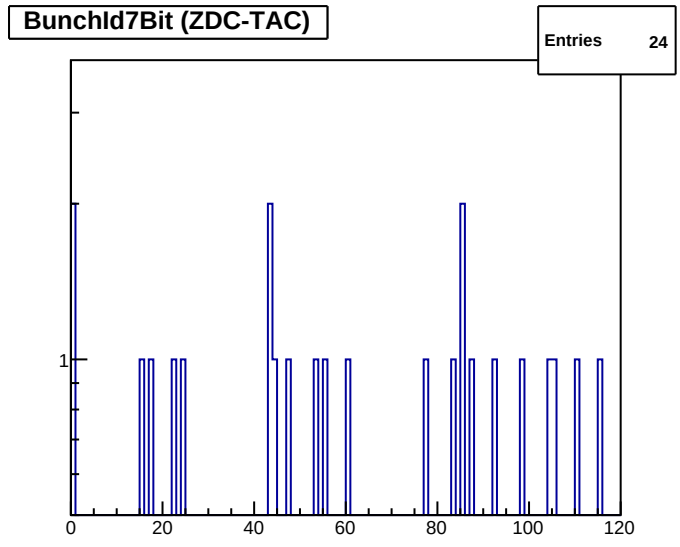
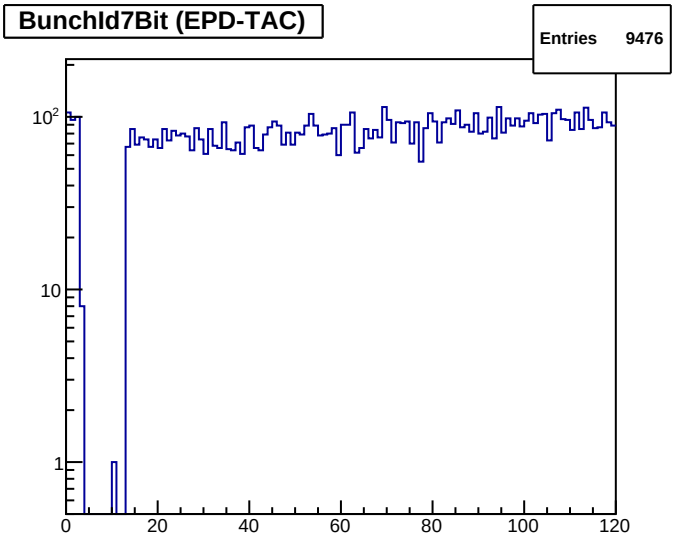
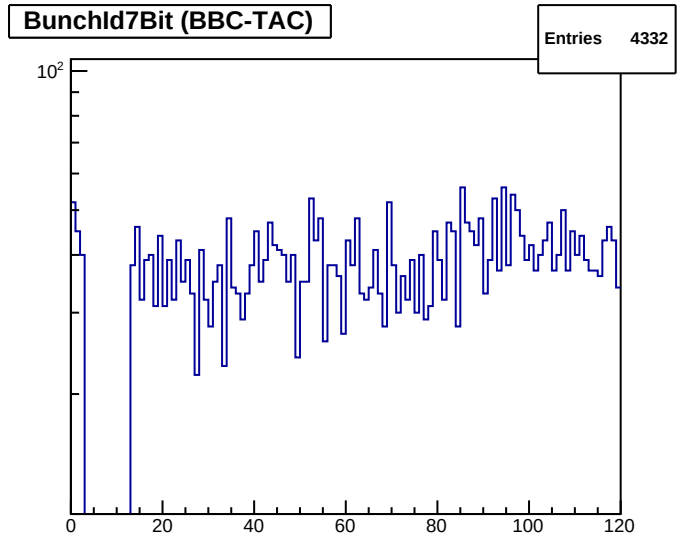
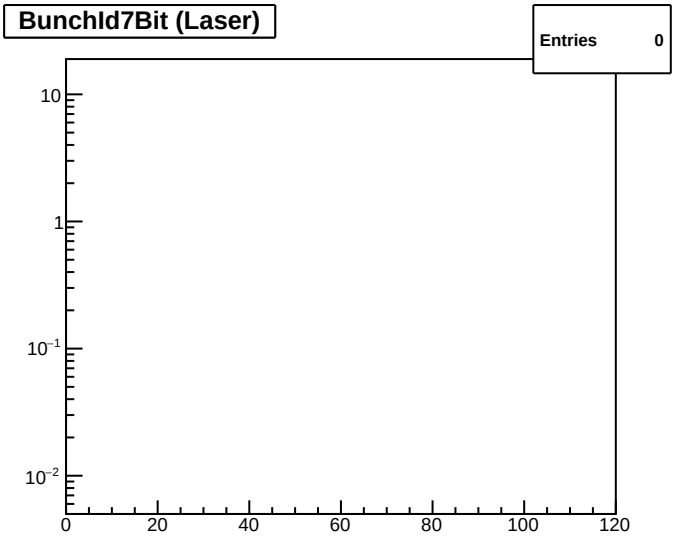
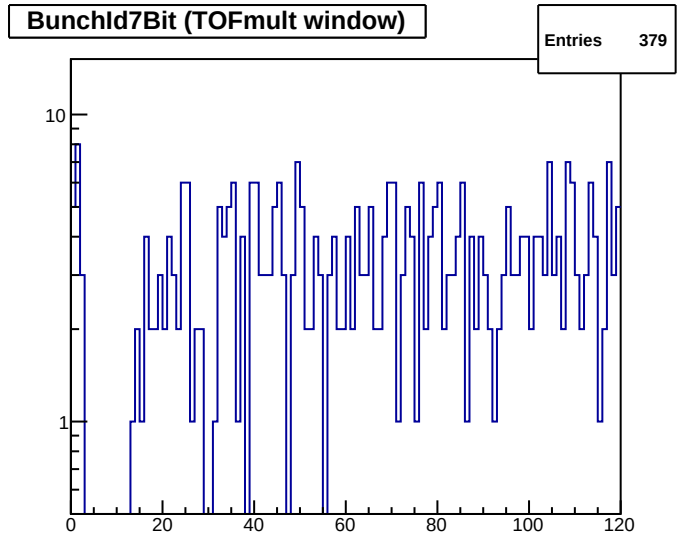

BunchId7Bit (VPD-TAC)
Entries 5940
10^2
10
1
0
20
40
60
80
100
120

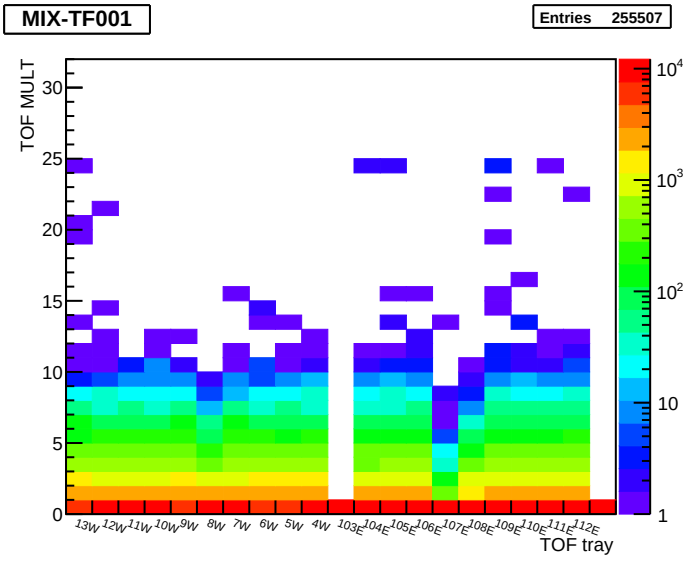

BunchId7Bit (ZDC-TAC)
Entries 24
1
0
20
40
60
80
100
120

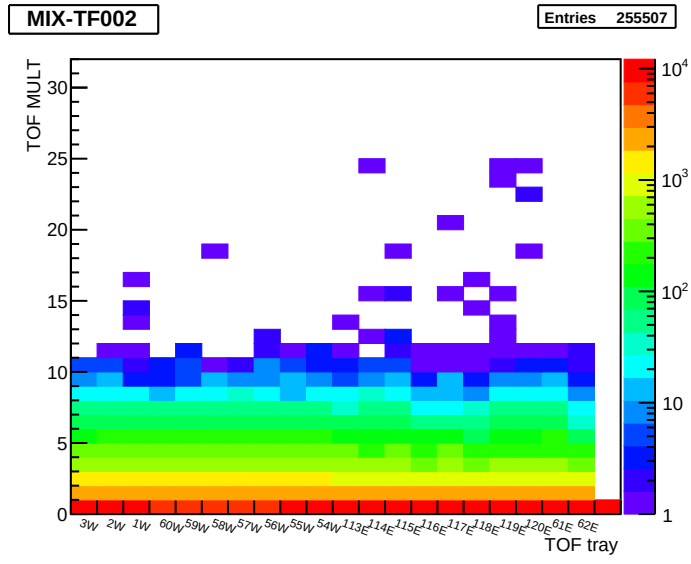

BunchId7Bit (EPD-TAC)
Entries 9476
10^2
10
1
0
20
40
60
80
100
120

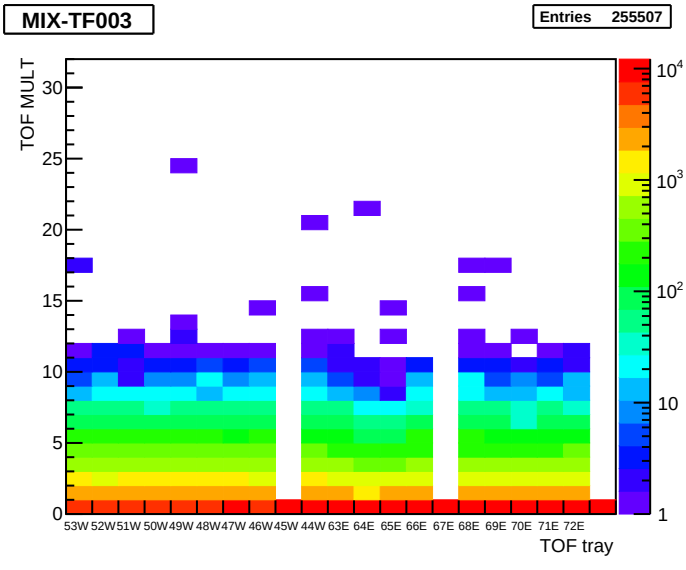

BunchId7Bit (BBC-TAC)
Entries 4332
10^2
0
20
40
60
80
100
120

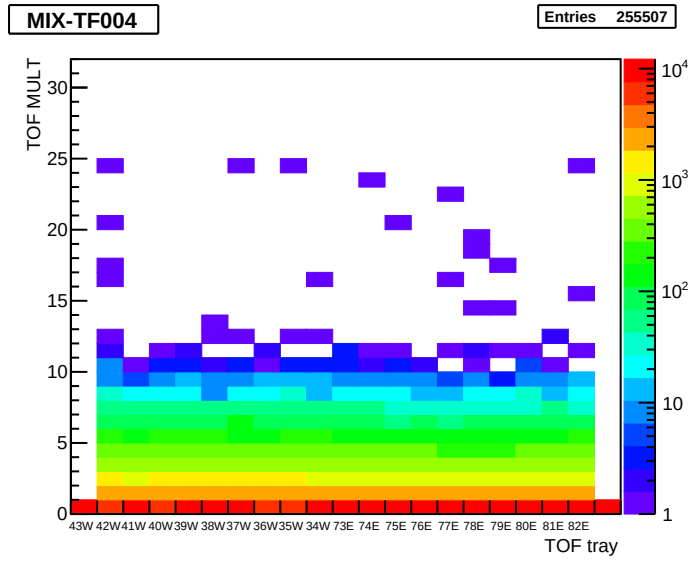

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

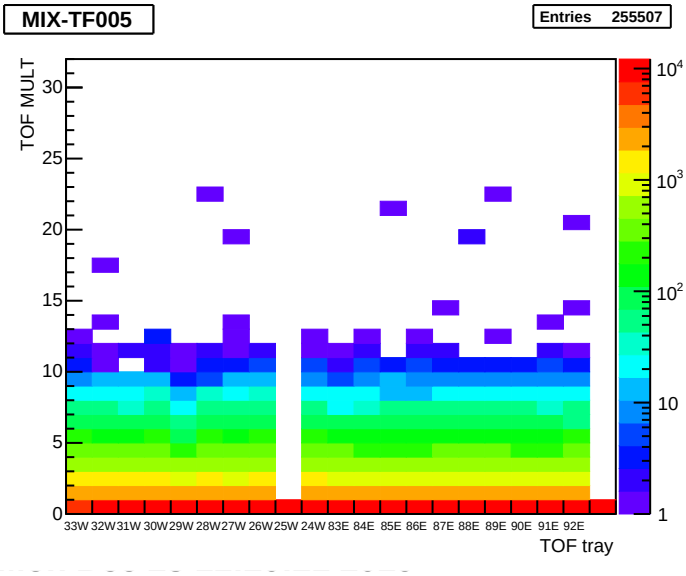

BunchId7Bit (TOFmult window)
Entries 379
10
1
0
20
40
60
80
100
120

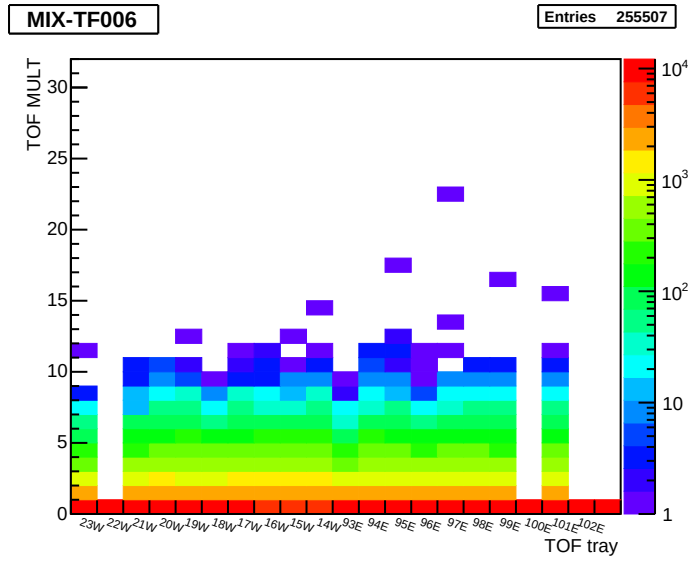

MIX-TF001
Entries 255507
TOF MULT
TOF tray

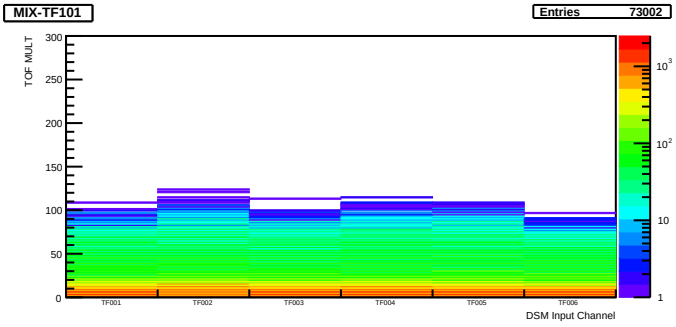

MIX-TF002
Entries 255507
TOF MULT
TOF tray

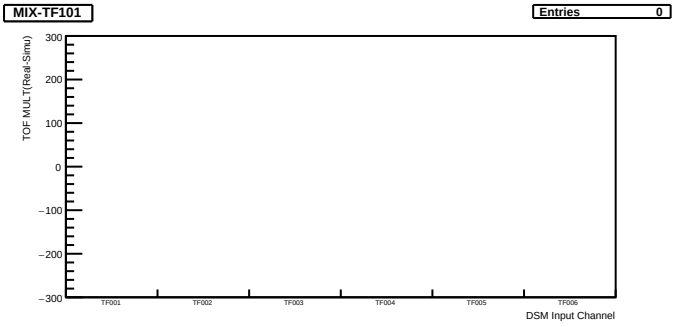

MIX-TF003
Entries 255507
TOF MULT
TOF tray

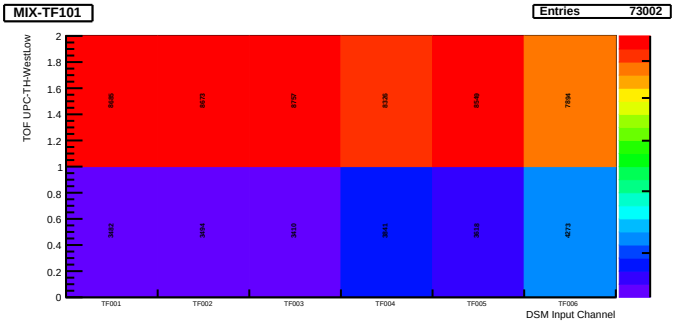

MIX-TF004
Entries 255507
TOF MULT
TOF tray

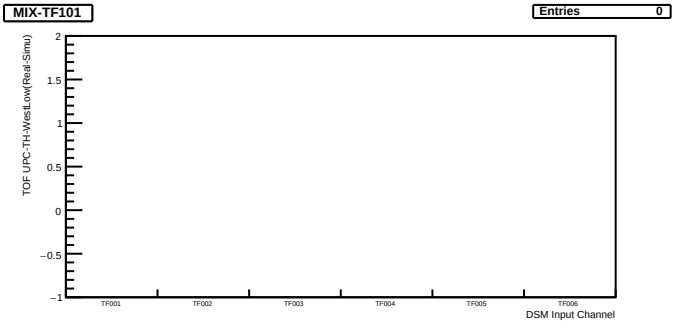

MIX-TF005
Entries 255507
TOF MULT
TOF tray

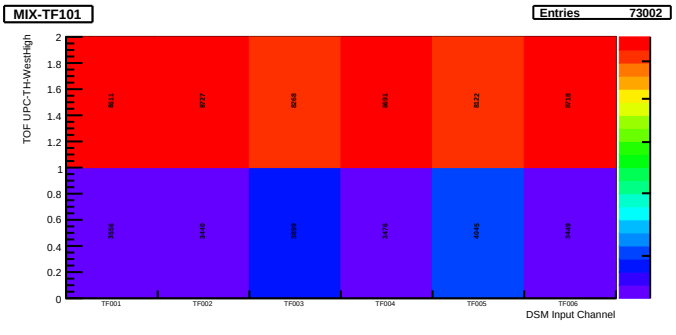

MIX-TF006
Entries 255507
TOF MULT
TOF tray

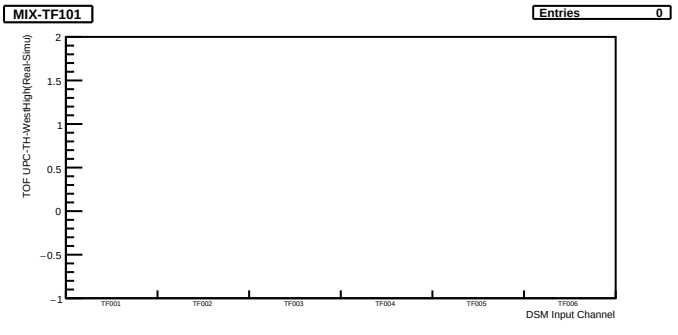

MIX-TF101
Entries 73002
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

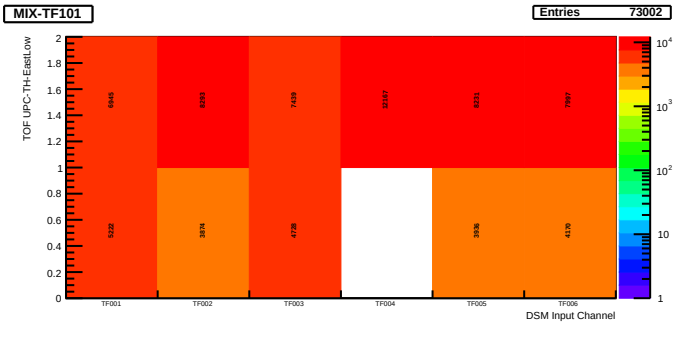

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

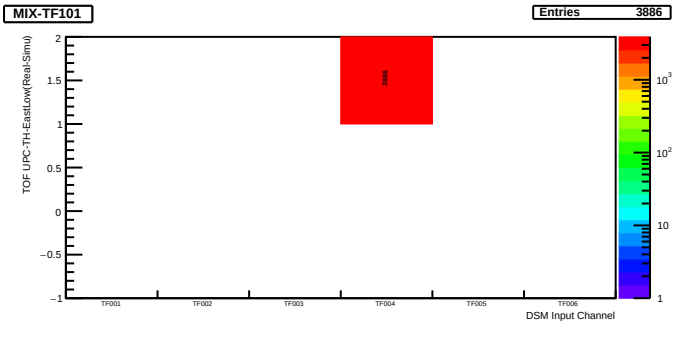

MIX-TF101
Entries 73002
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

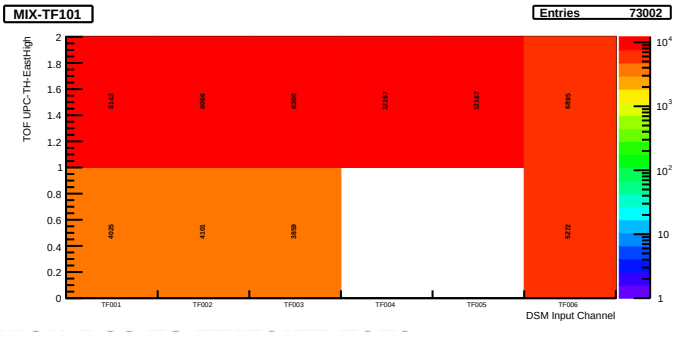

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

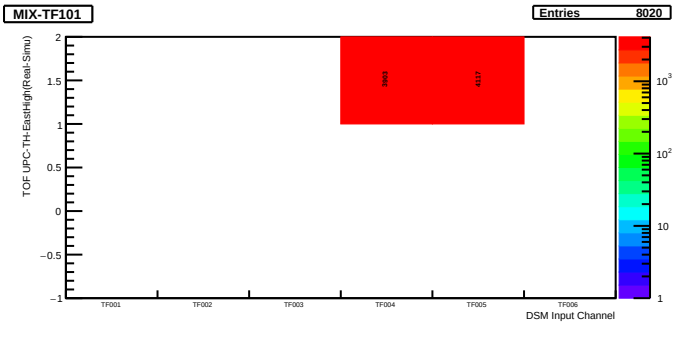

MIX-TF101
Entries 73002
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

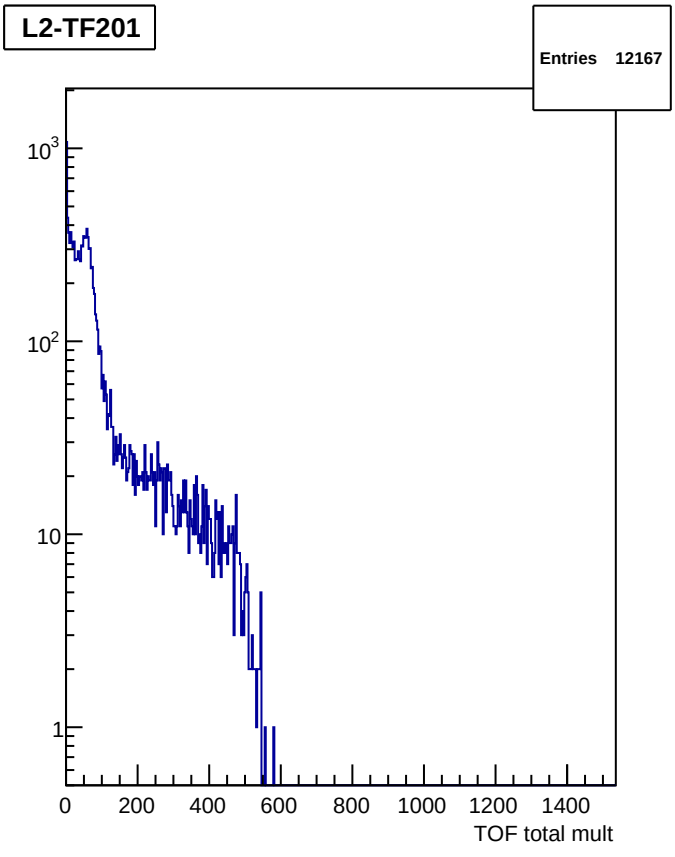

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

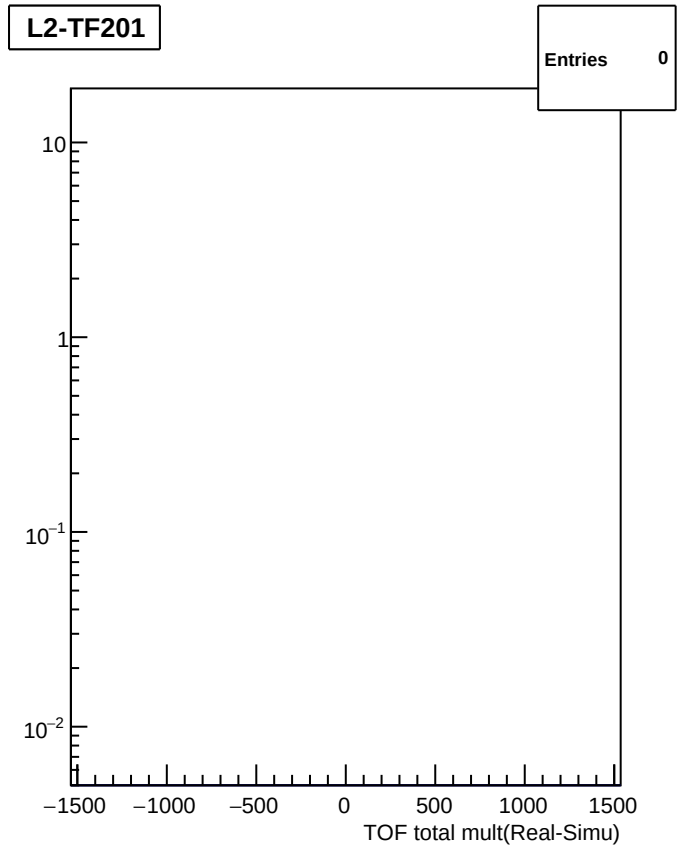

MIX-TF101
Entries 73002
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

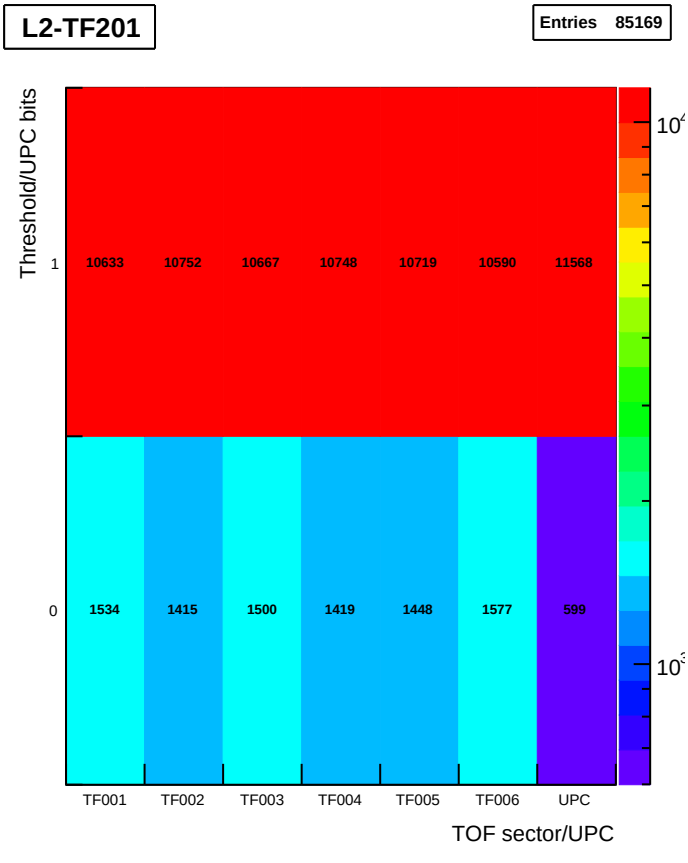

MIX-TF101
Entries 3886
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

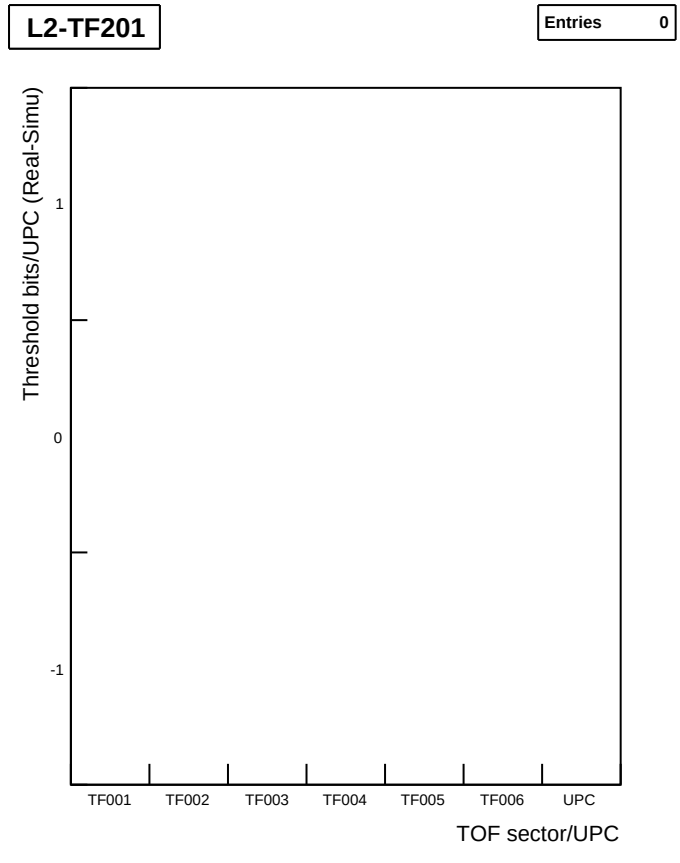

MIX-TF101
Entries 73002
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

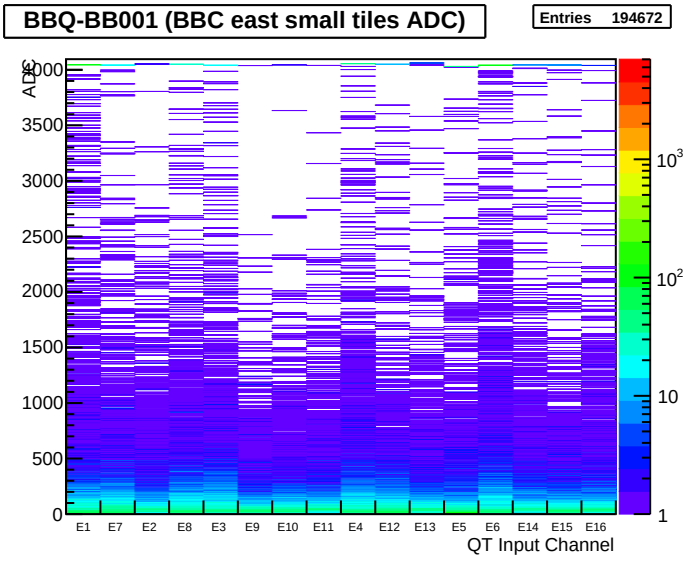

MIX-TF101
Entries 8020
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

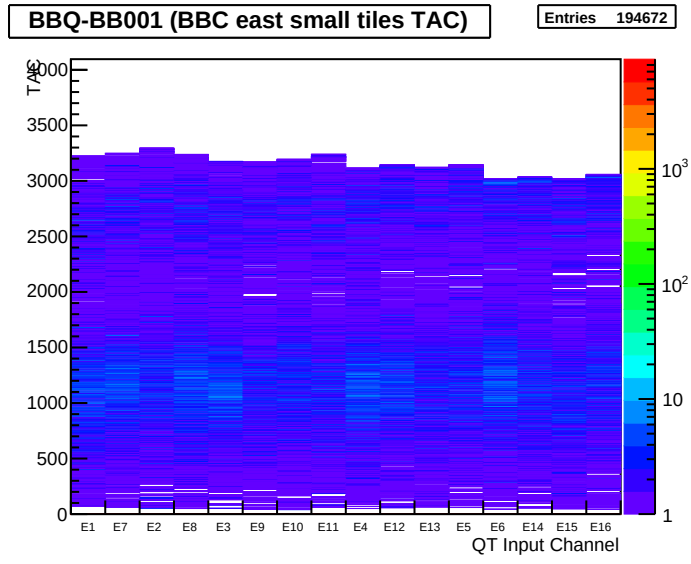

L2-TF201
Entries 12167
TOF total mult

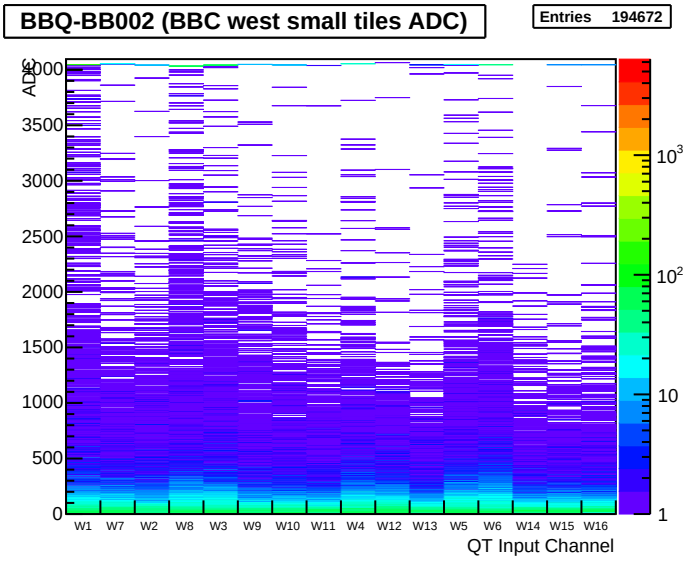

L2-TF201
Entries 0
TOF total mult(Real-Simu)

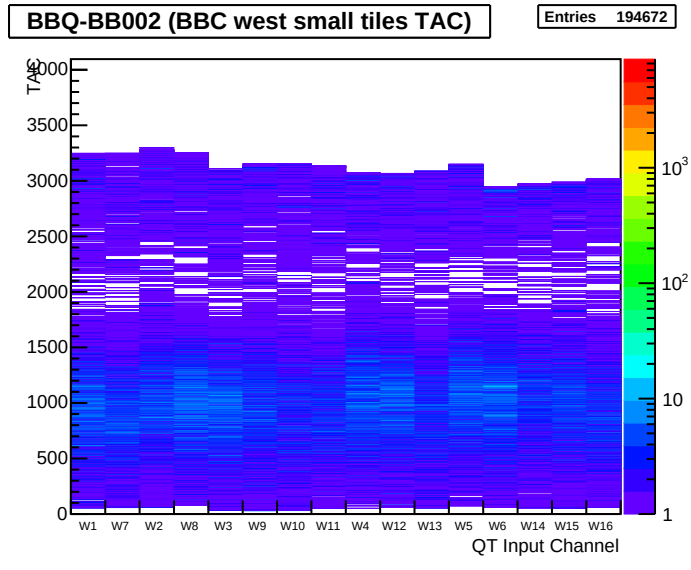

L2-TF201
Entries 85169
Threshold/UPC bits
10633
10752
10667
10748
10719
10590
11568
1534
1415
1500
1419
1448
1577
599
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

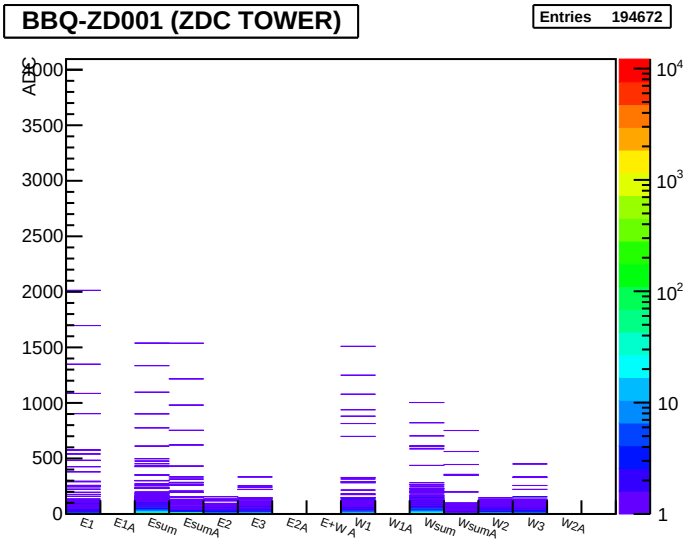

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

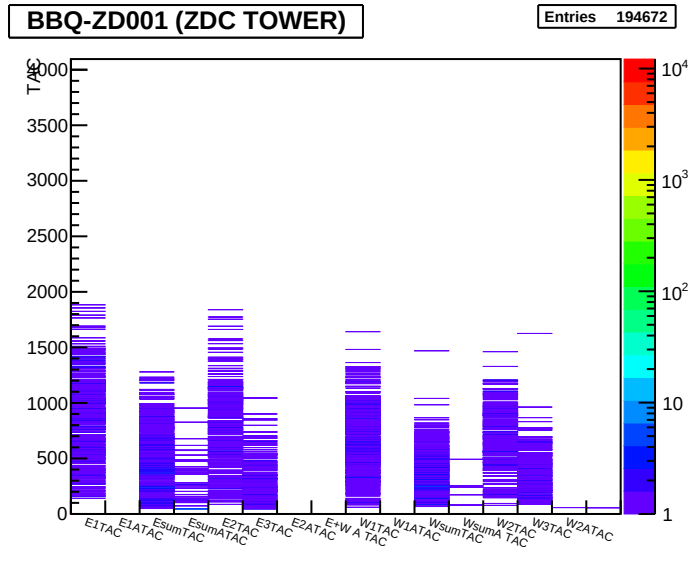

BBQ-BB001 (BBC east small tiles ADC)
Entries 194672
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

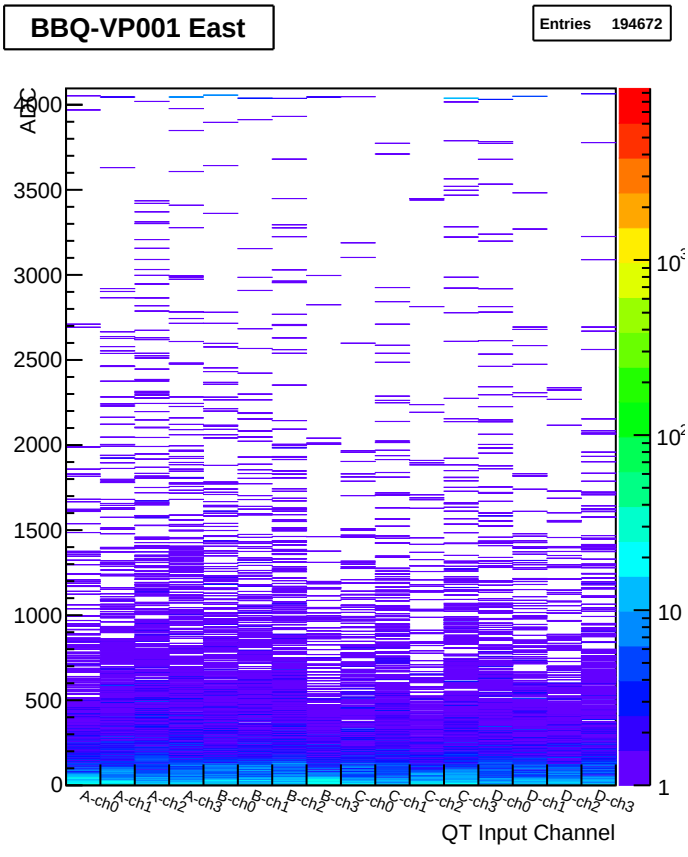

BBQ-BB001 (BBC east small tiles TAC)
Entries 194672
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

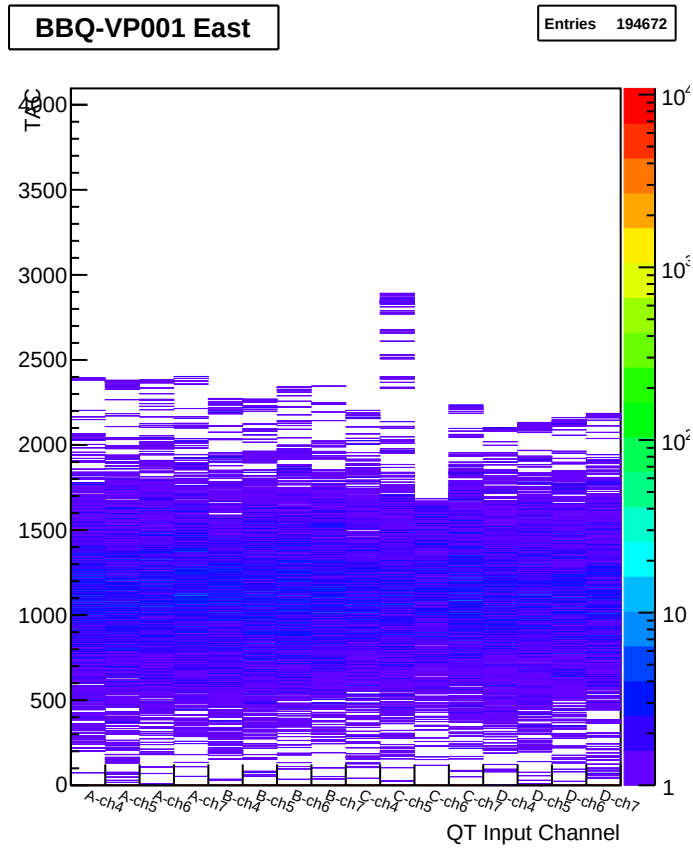

BBQ-BB002 (BBC west small tiles ADC)
Entries 194672
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

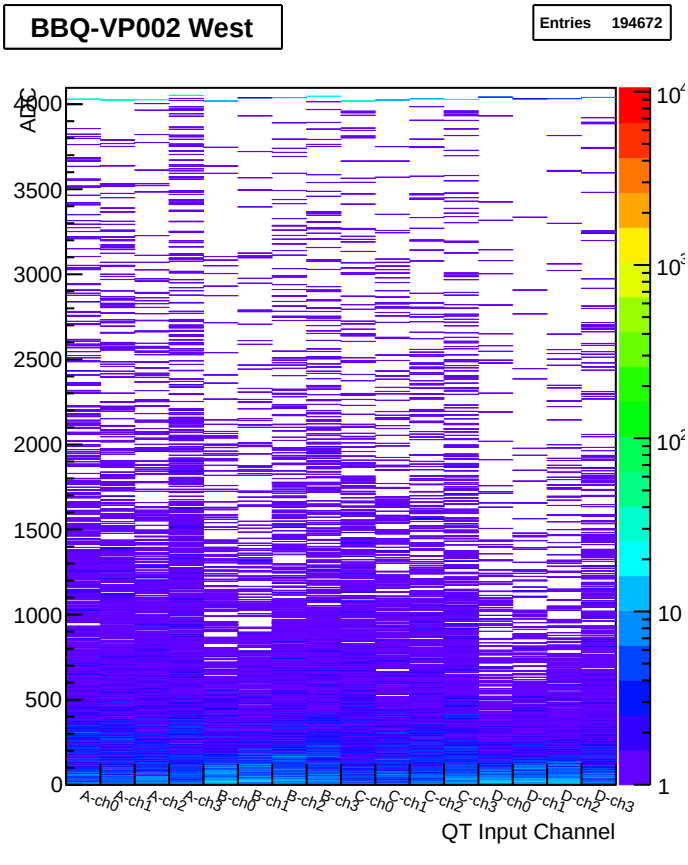

BBQ-BB002 (BBC west small tiles TAC)
Entries 194672
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

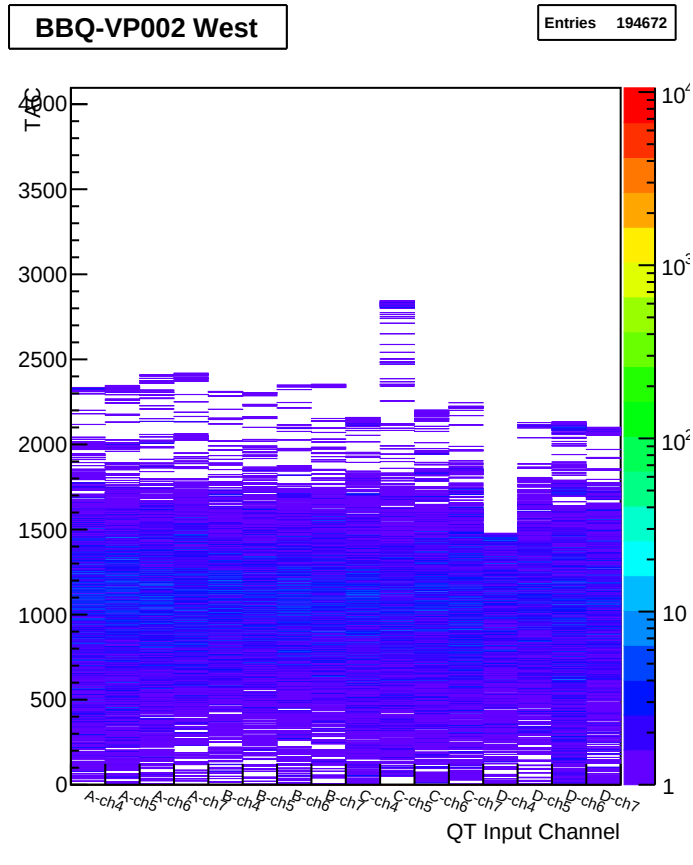

BBQ-ZD001 (ZDC TOWER)
Entries 194672
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

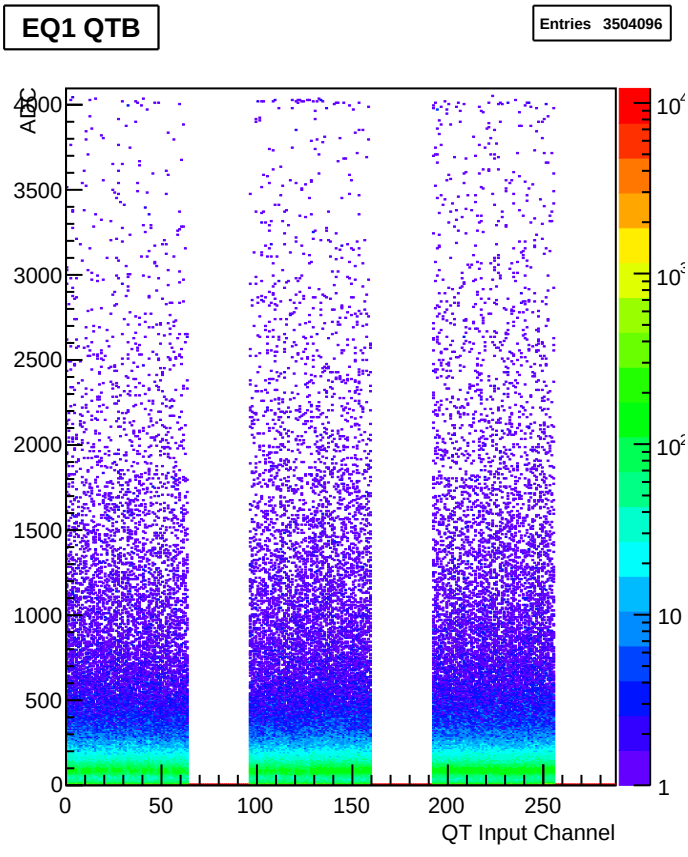

BBQ-ZD001 (ZDC TOWER)
Entries 194672
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

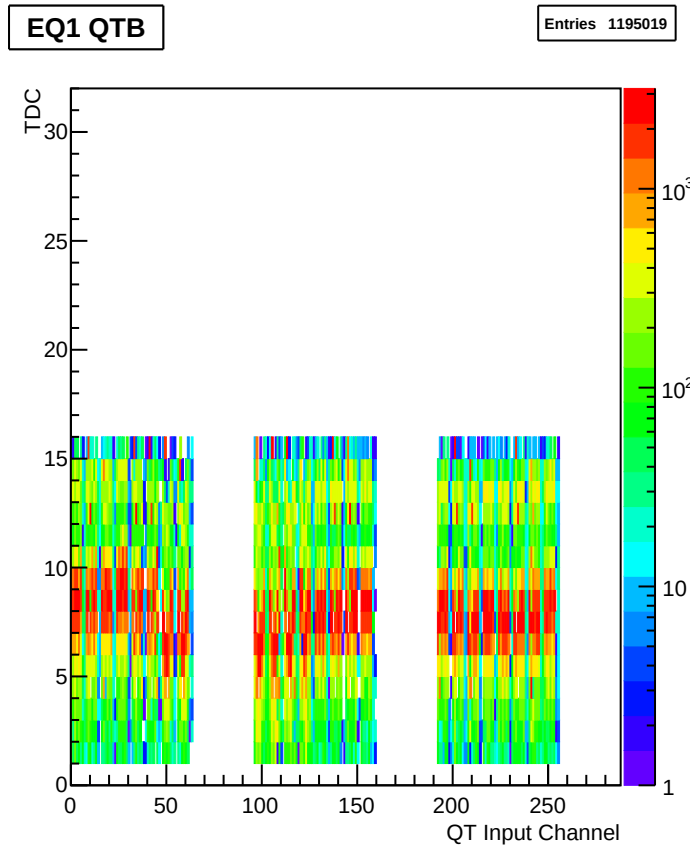

BBQ-VP001 East
Entries 194672
ADC
QT Input Channel

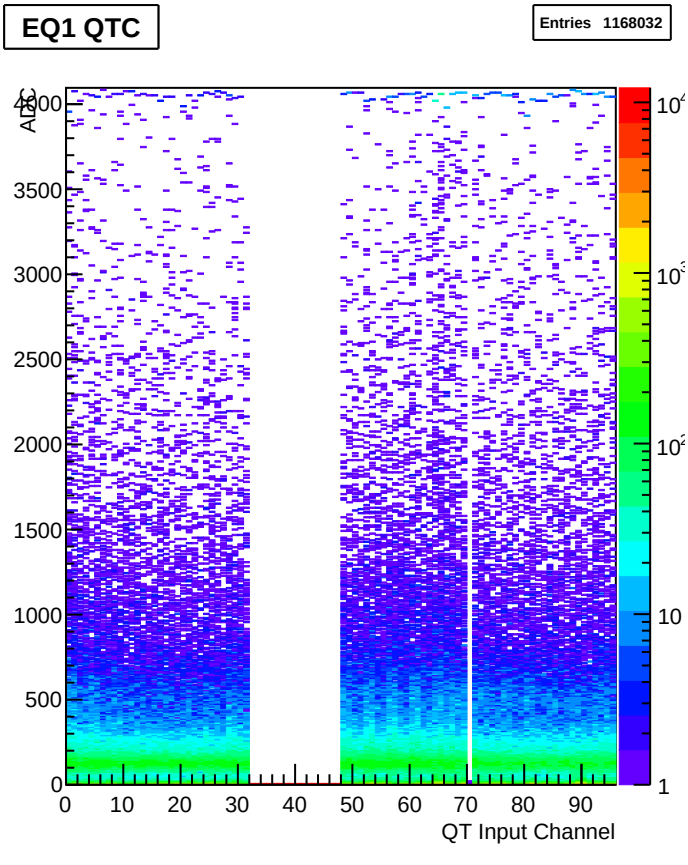

BBQ-VP001 East
Entries 194672
TAC
QT Input Channel

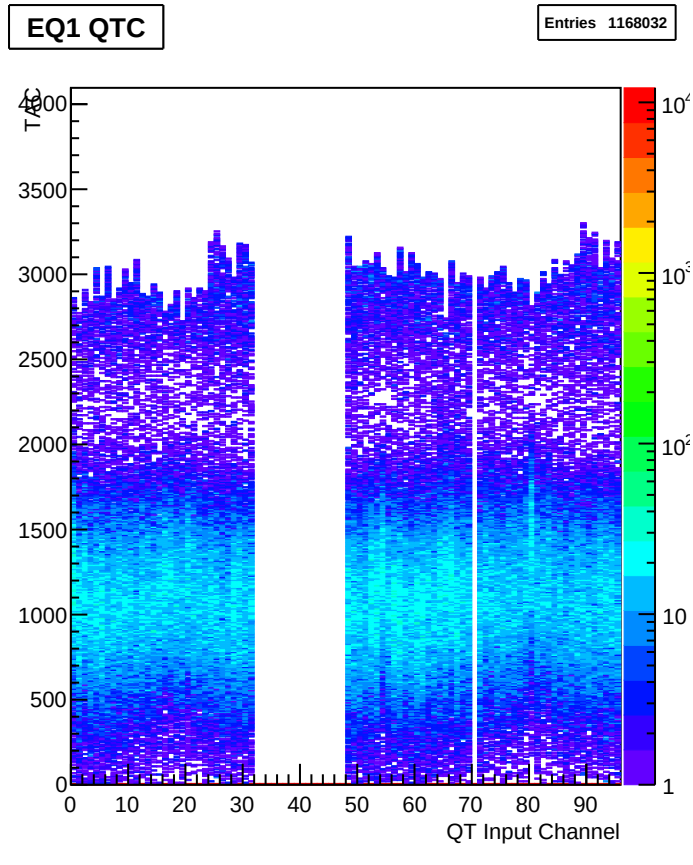

BBQ-VP002 West
Entries 194672
ADC
QT Input Channel

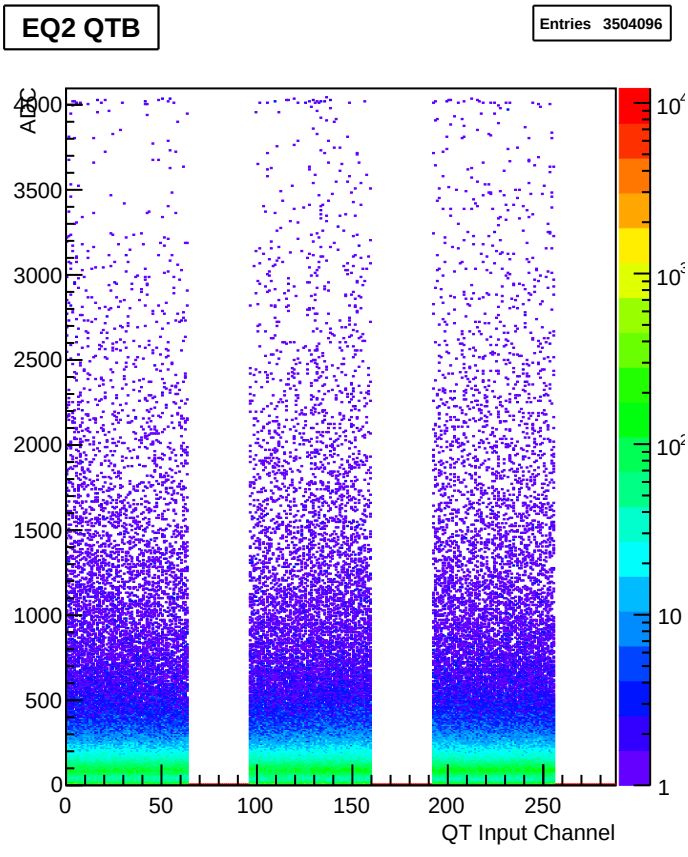

BBQ-VP002 West
Entries 194672
TAC
QT Input Channel

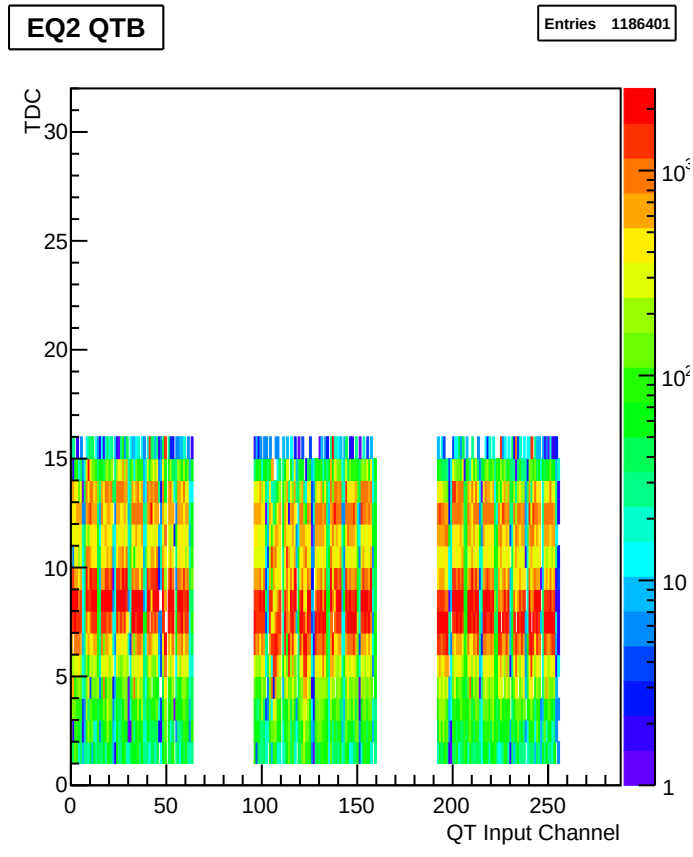

EQ1 QTB
Entries 3504096
ADC
QT Input Channel

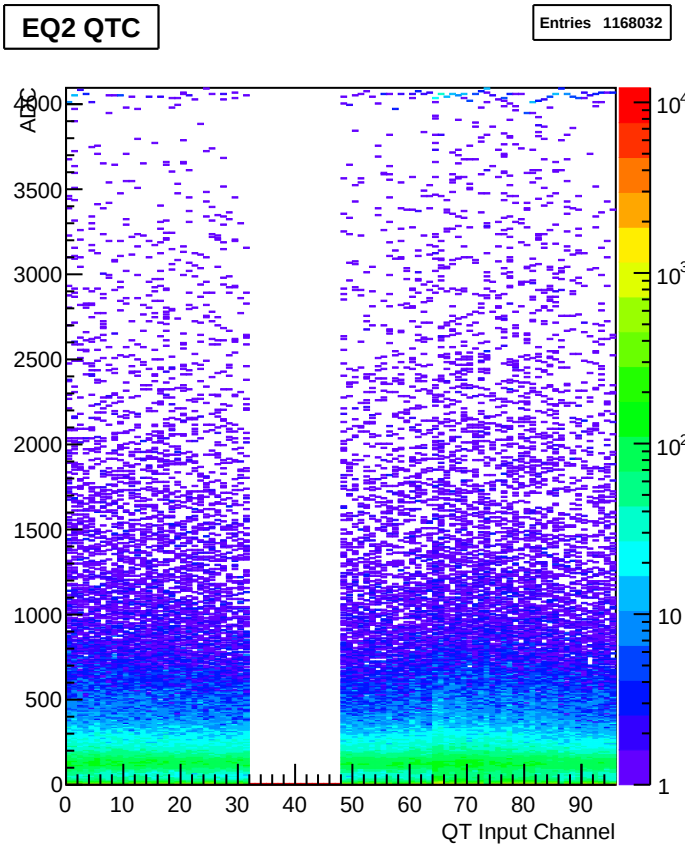

EQ1 QTB
Entries 1195019
TDC
QT Input Channel

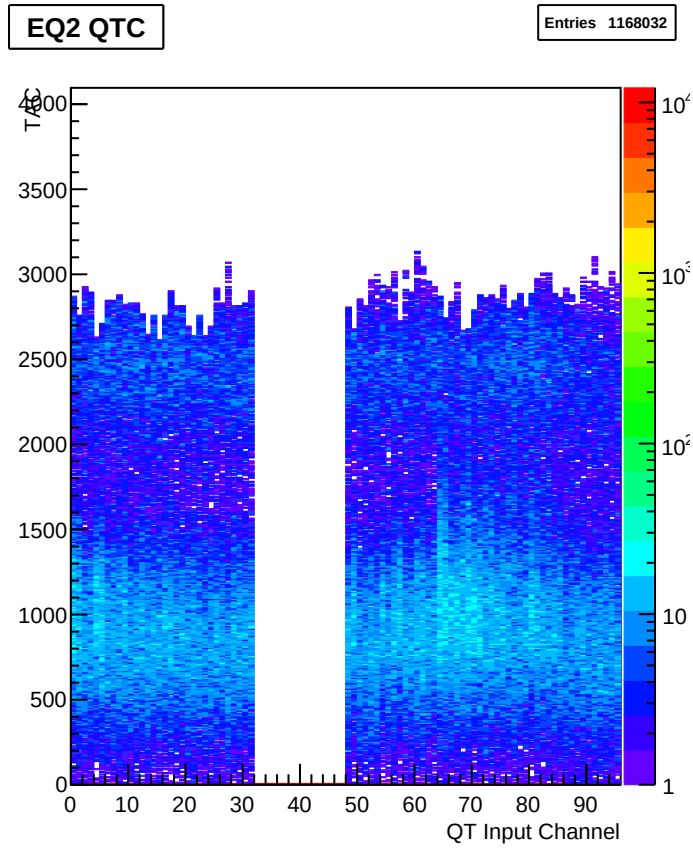

EQ1 QTC
Entries 1168032
ADC
QT Input Channel

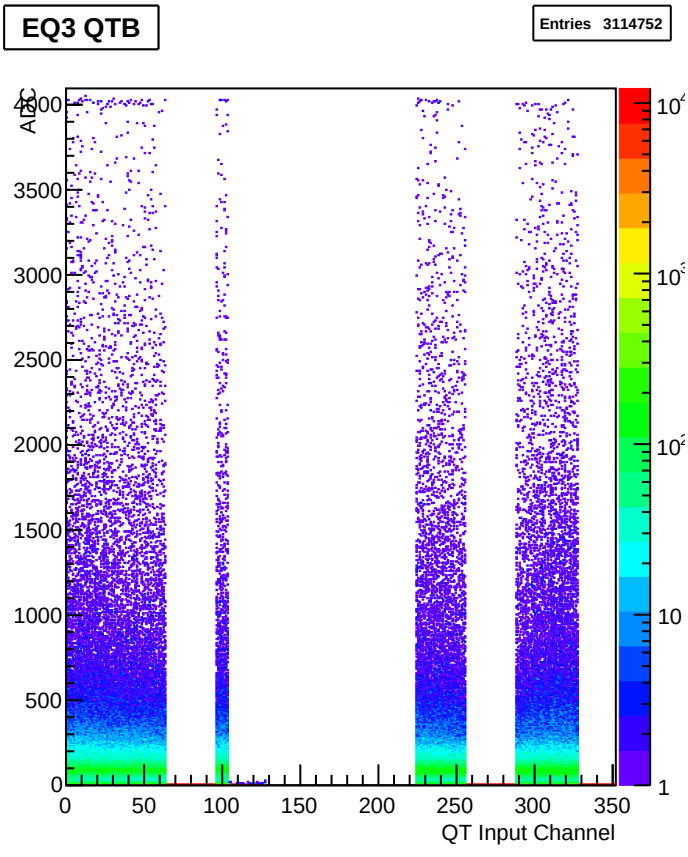

EQ1 QTC
Entries 1168032
TAC
QT Input Channel

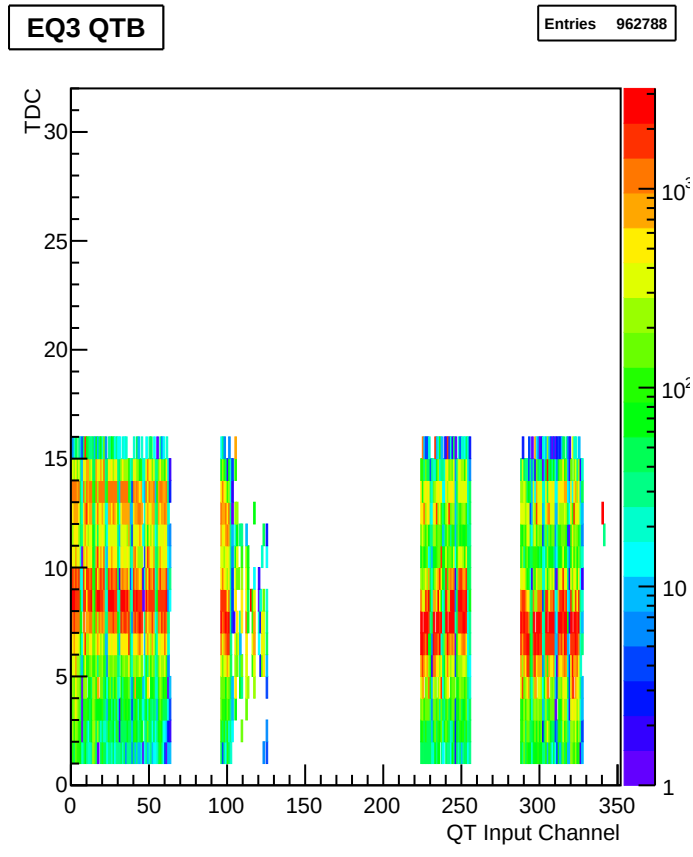

EQ2 QTB
Entries 3504096
ADC
QT Input Channel

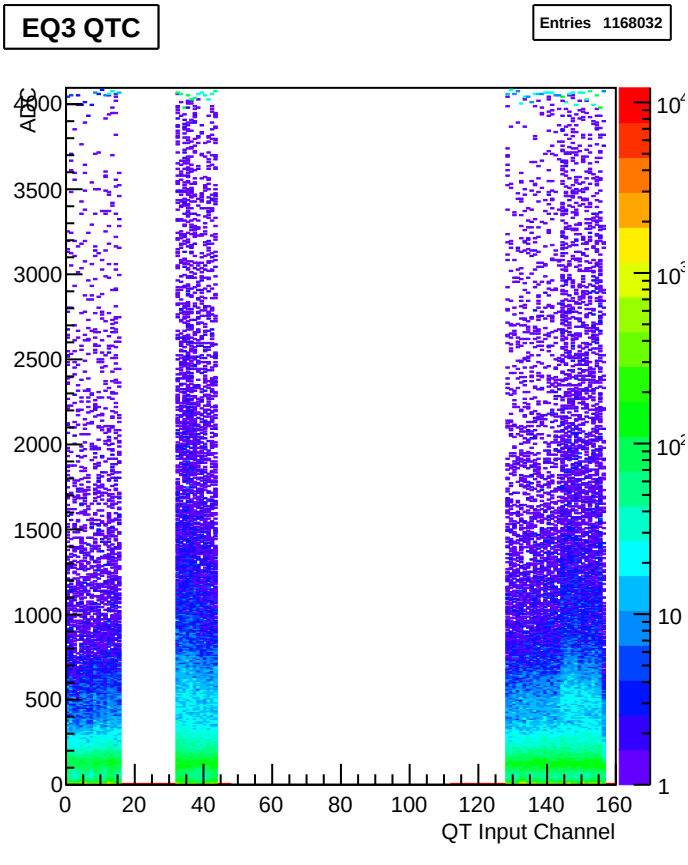

EQ2 QTB
Entries 1186401
TDC
QT Input Channel

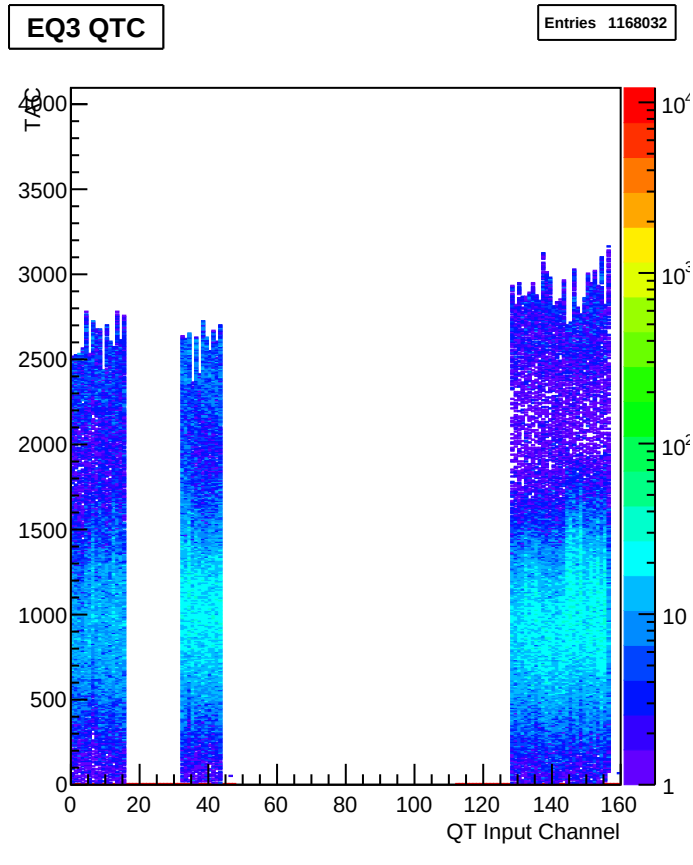

EQ2 QTC
Entries 1168032
ADC
QT Input Channel

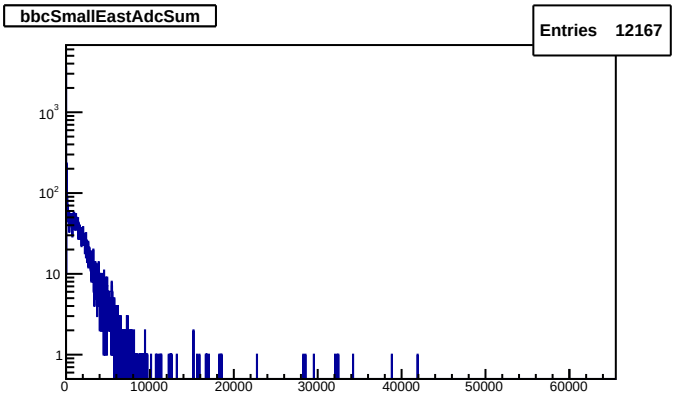

EQ2 QTC
Entries 1168032
TADC
QT Input Channel

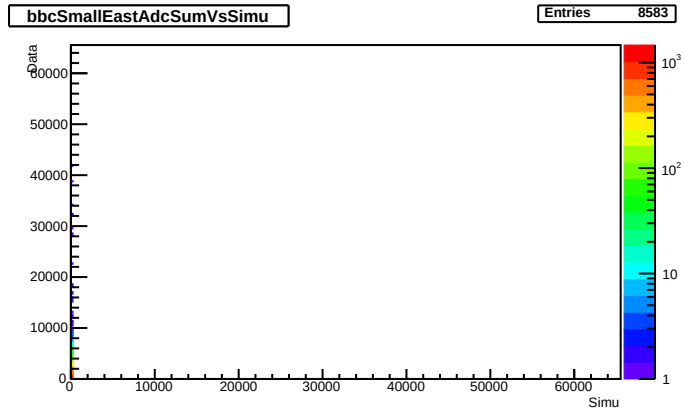

EQ3 QTB
Entries 3114752
ADC
QT Input Channel

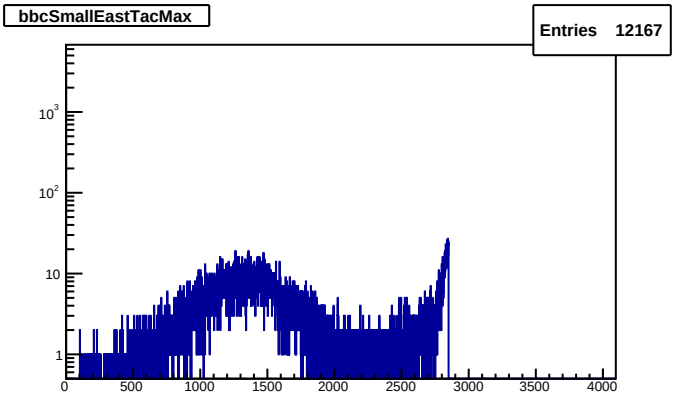

EQ3 QTB
Entries 962788
TDC
QT Input Channel

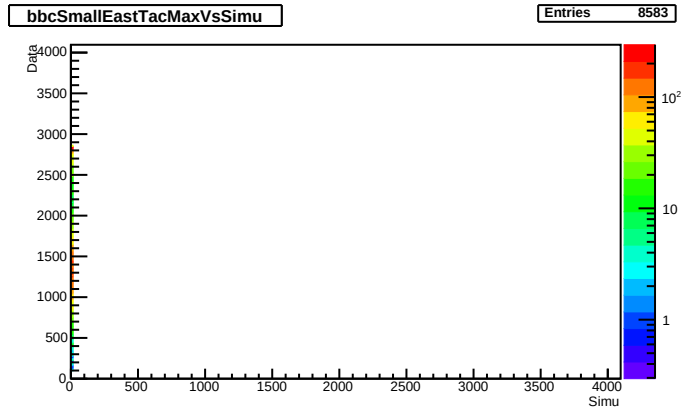

EQ3 QTC
Entries 1168032
ADC
QT Input Channel

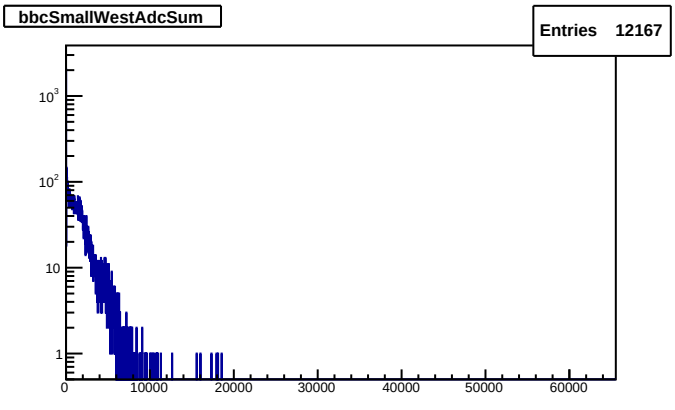

EQ3 QTC
Entries 1168032
TADC
QT Input Channel

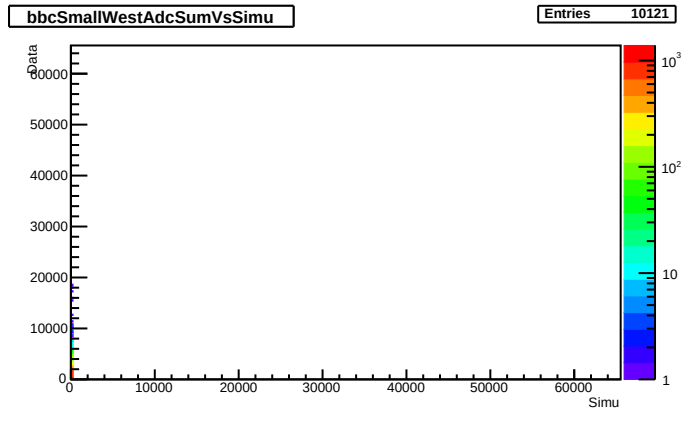

bbcSmallEastAdcSum
Entries 12167

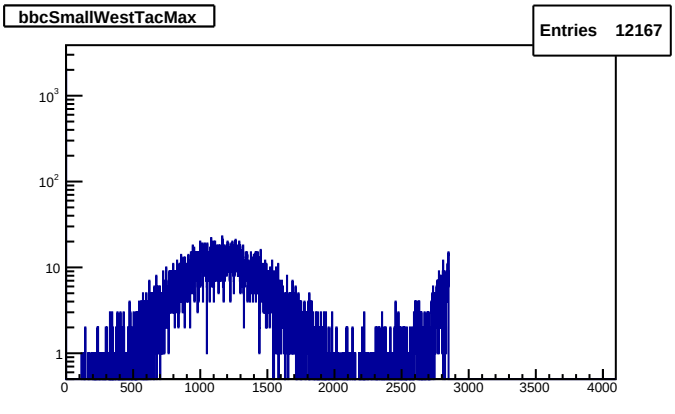

bbcSmallEastAdcSumVsSimu
Entries 8583
Data
Simu

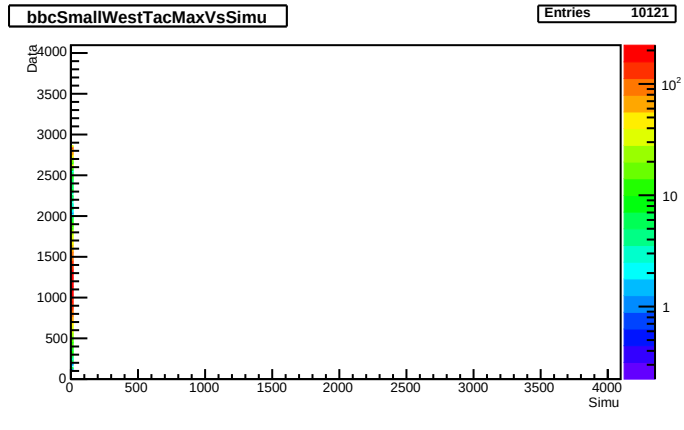

bbcSmallEastTacMax
Entries 12167

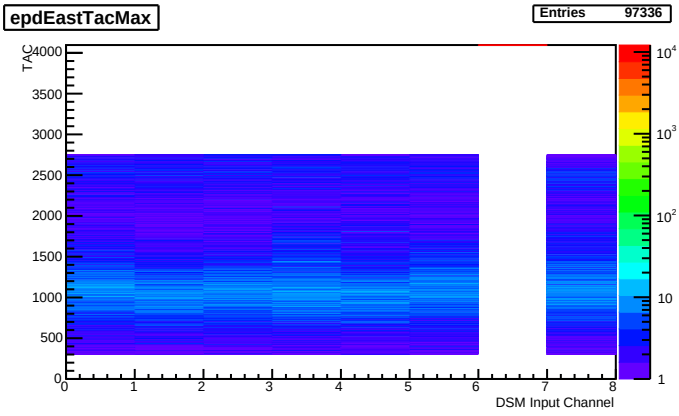

bbcSmallEastTacMaxVsSimu
Entries 8583
Data
Simu

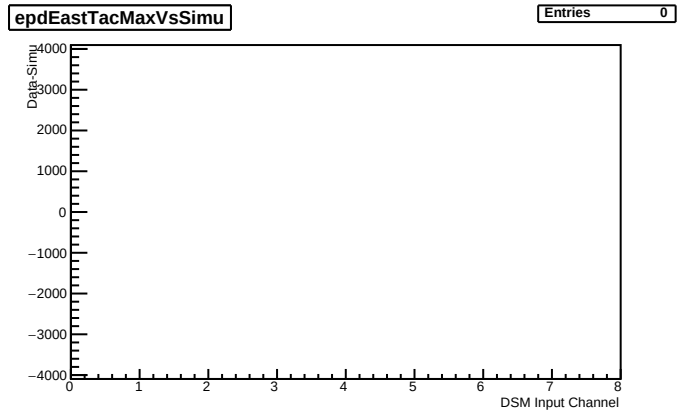

bbcSmallWestAdcSum
Entries 12167

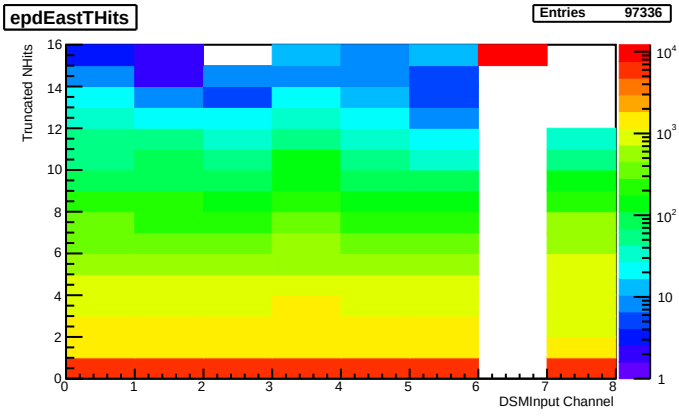

bbcSmallWestAdcSumVsSimu
Entries 10121
Data
Simu

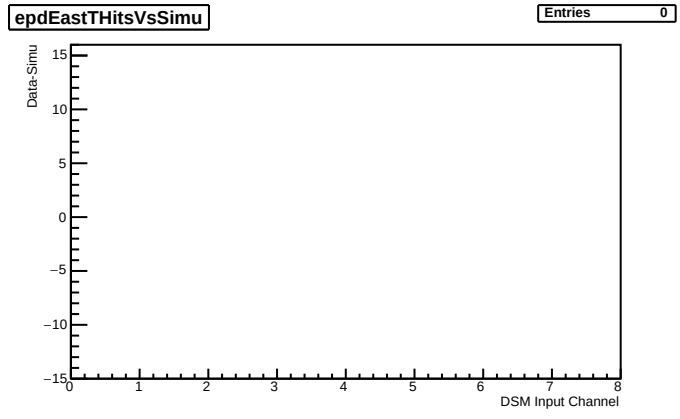

bbcSmallWestTacMax
Entries 12167

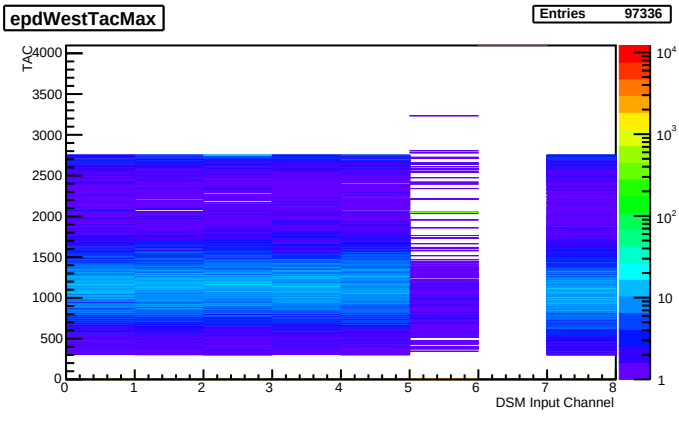

bbcSmallWestTacMaxVsSimu
Entries 10121
Data
Simu

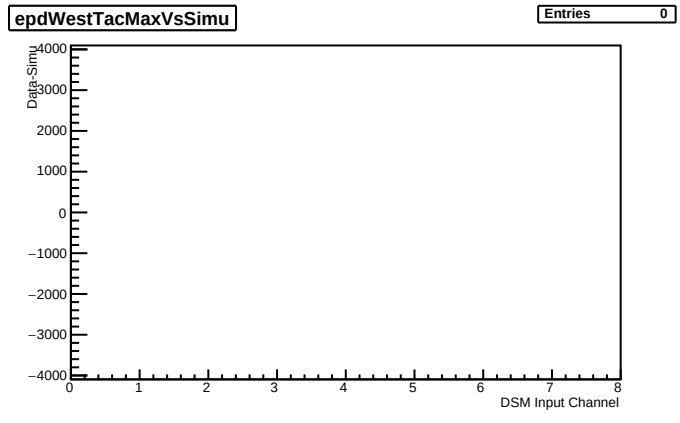

epdEastTacMax
Entries 97336
TAC
DSM Input Channel

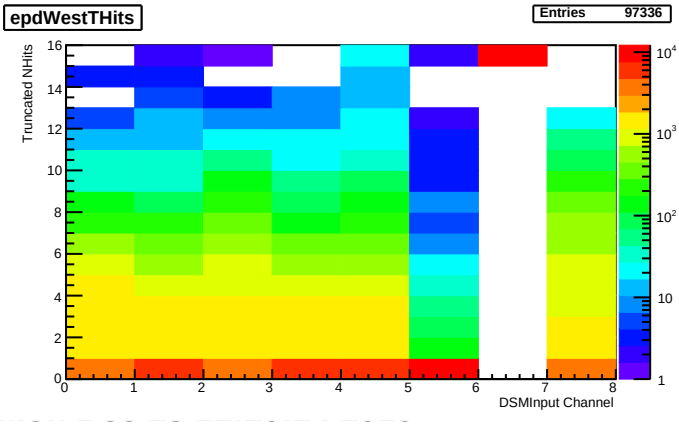

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

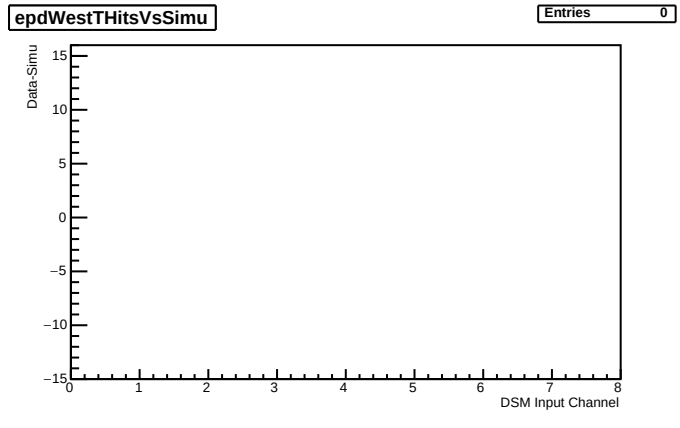

epdEastTHits
Entries 97336
Truncated NHits
DSMInput Channel

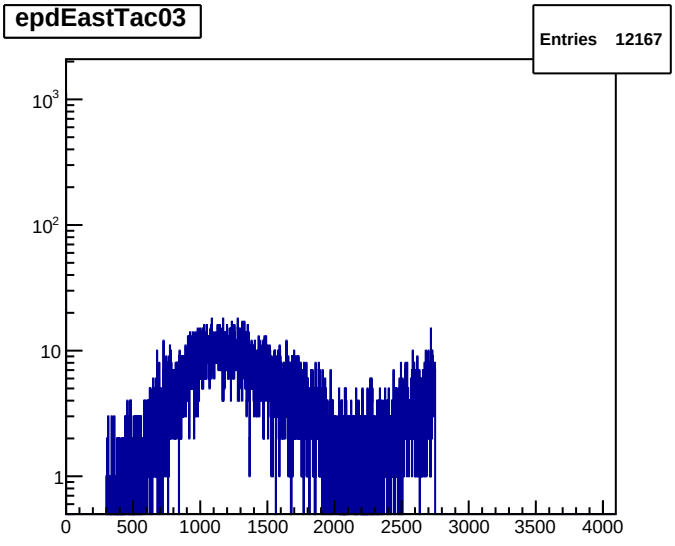

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

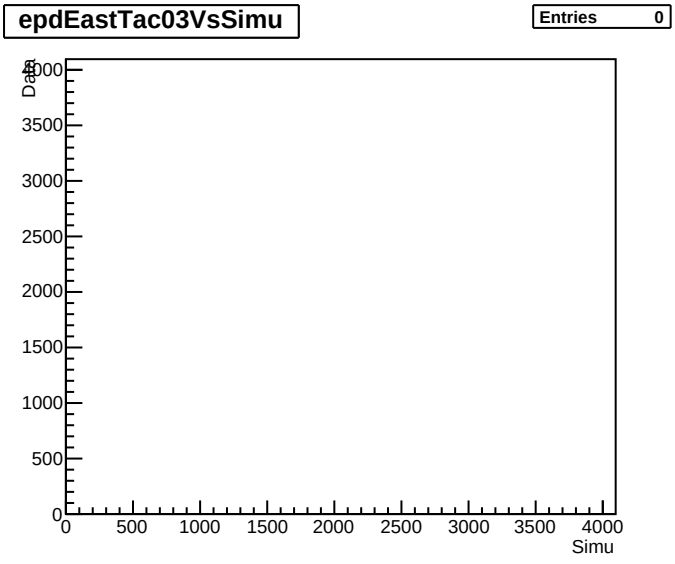

epdWestTacMax
Entries 97336
TAC
DSM Input Channel

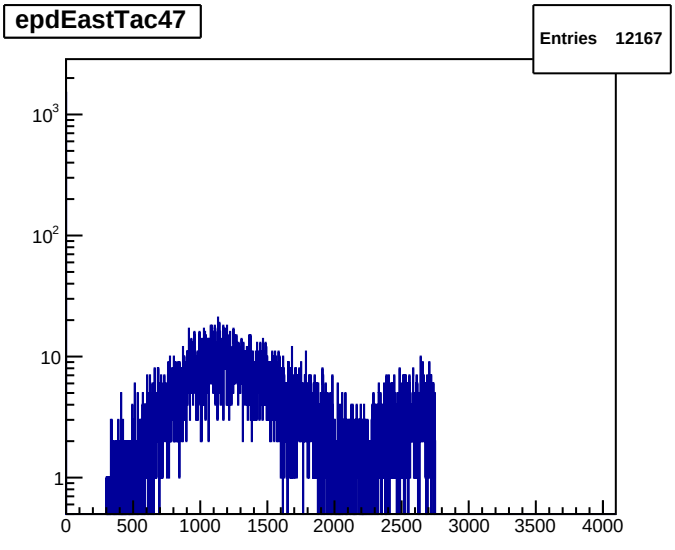

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

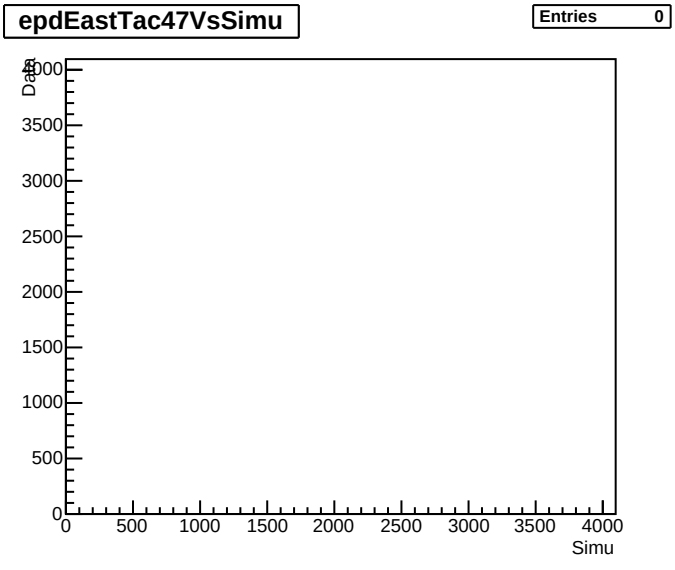

epdWestTHits
Entries 97336
Truncated NHits
DSMInput Channel

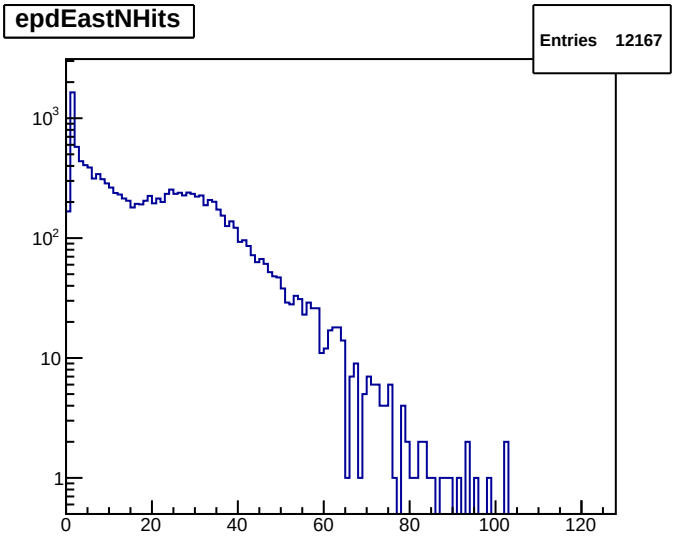

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

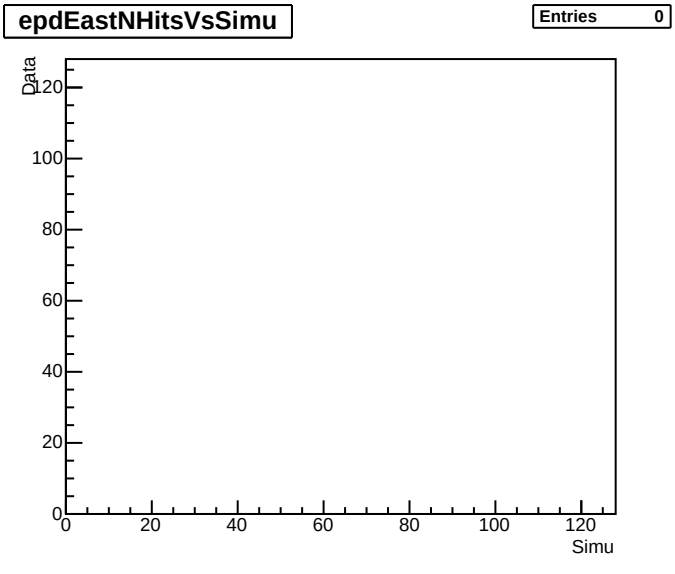

epdEastTac03
Entries 12167

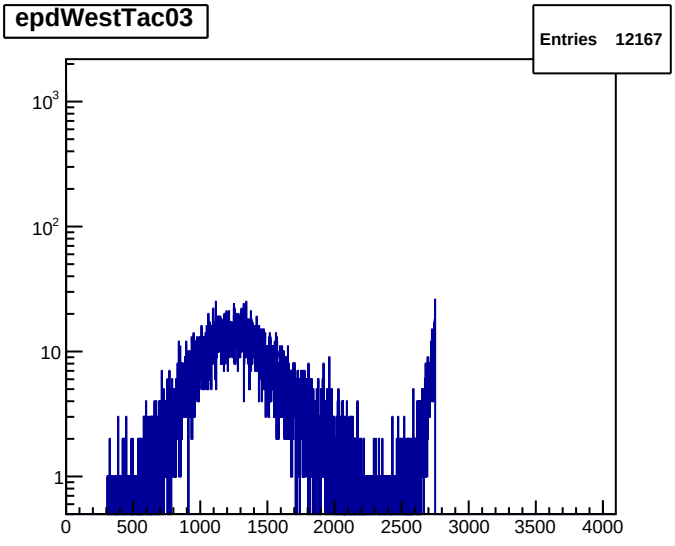

epdEastTac03VsSimu
Entries 0
Data
Simu

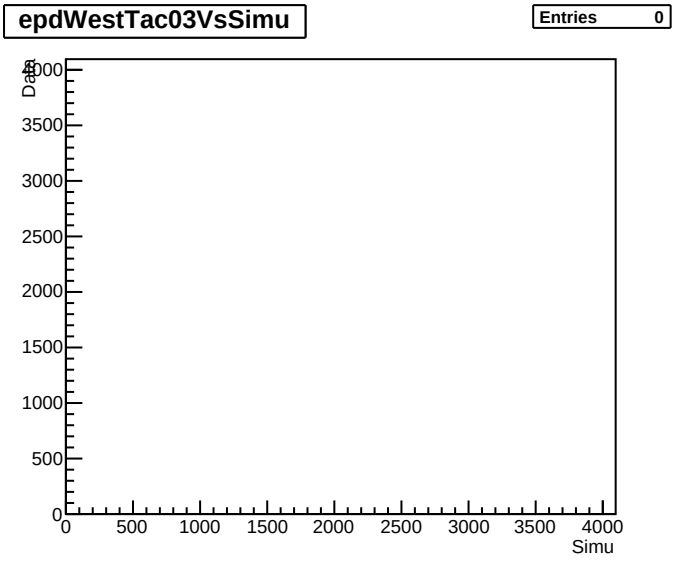

epdEastTac47
Entries 12167

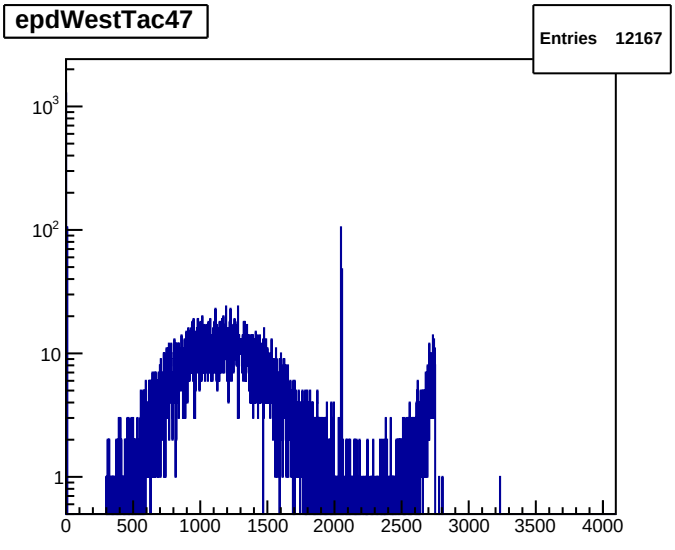

epdEastTac47VsSimu
Entries 0
Data
Simu

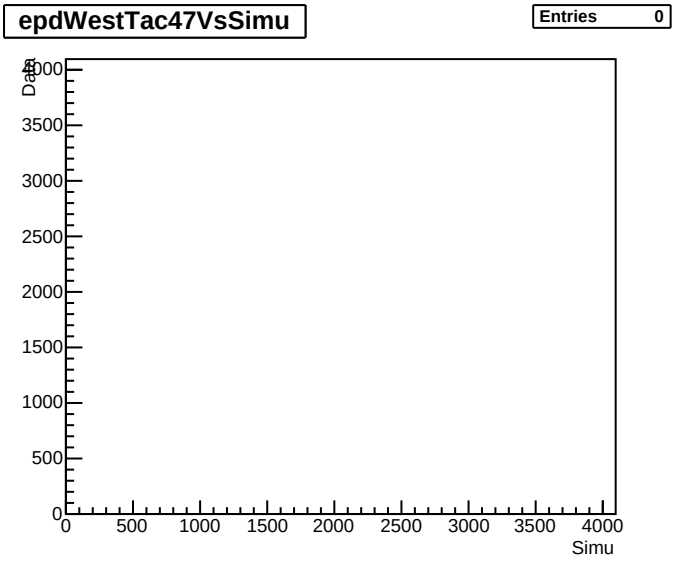

epdEastNHits
Entries 12167

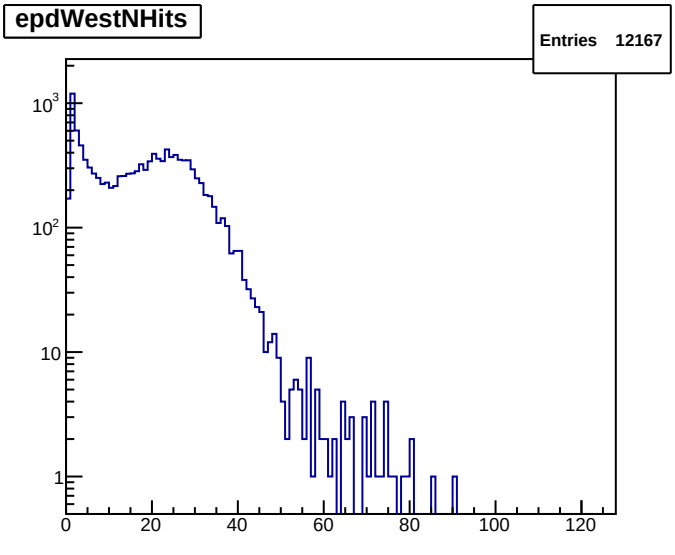

epdEastNHitsVsSimu
Entries 0
Data
Simu

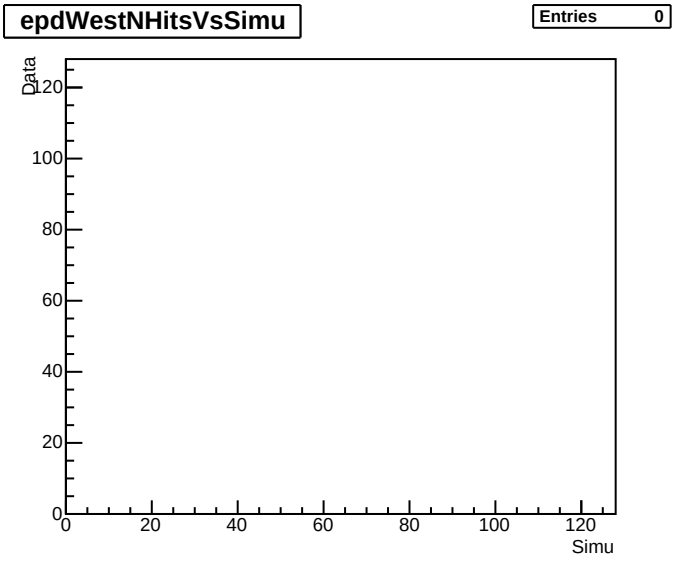

epdWestTac03
Entries 12167

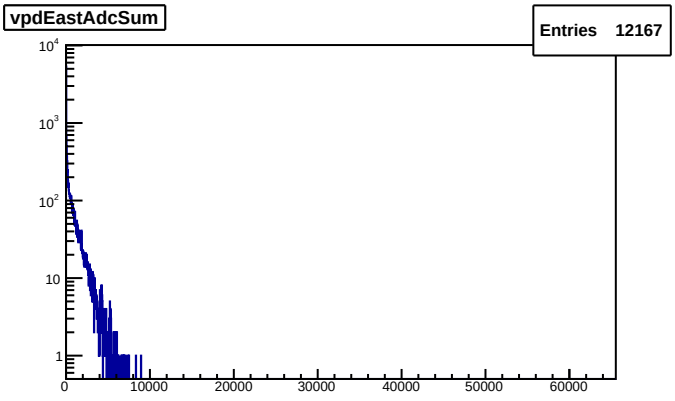

epdWestTac03VsSimu
Entries 0
Data
Simu

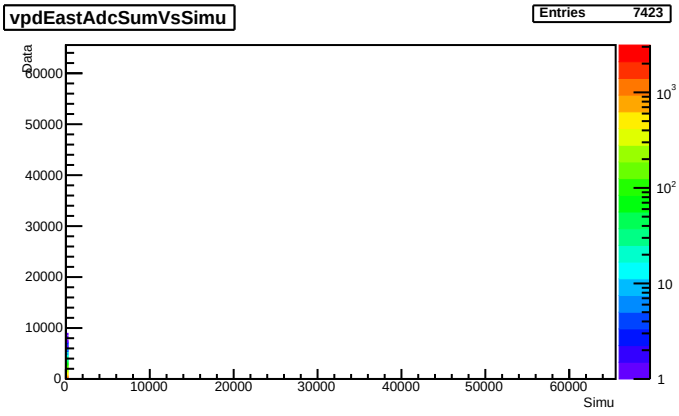

epdWestTac47
Entries 12167

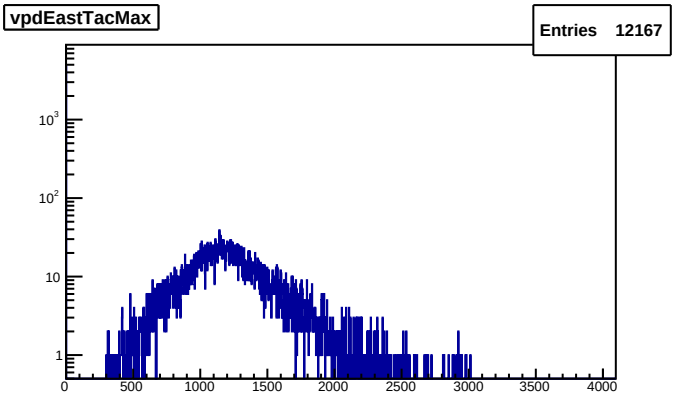

epdWestTac47VsSimu
Entries 0
Data
Simu

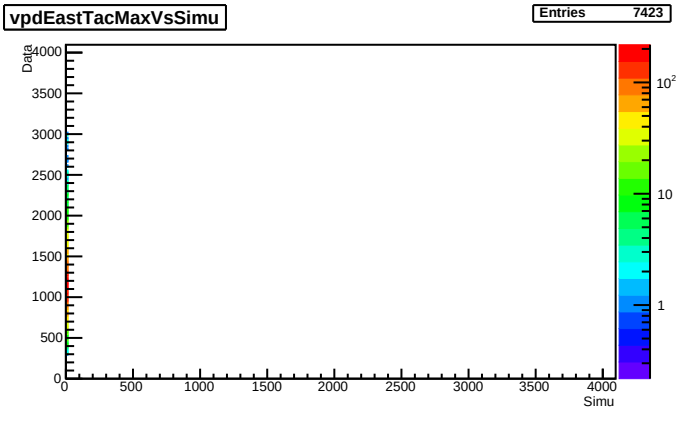

epdWestNHits
Entries 12167

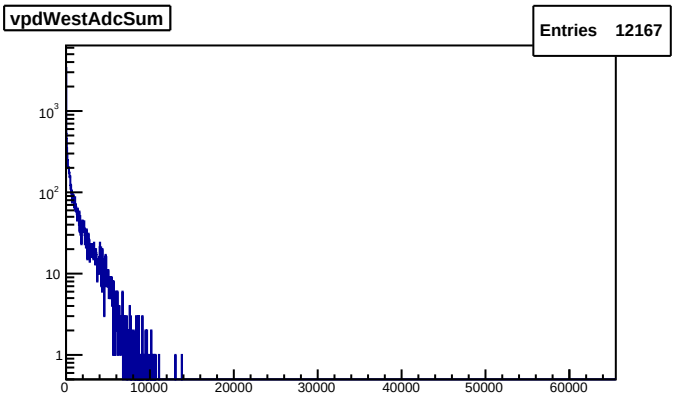

epdWestNHitsVsSimu
Entries 0
Data
Simu

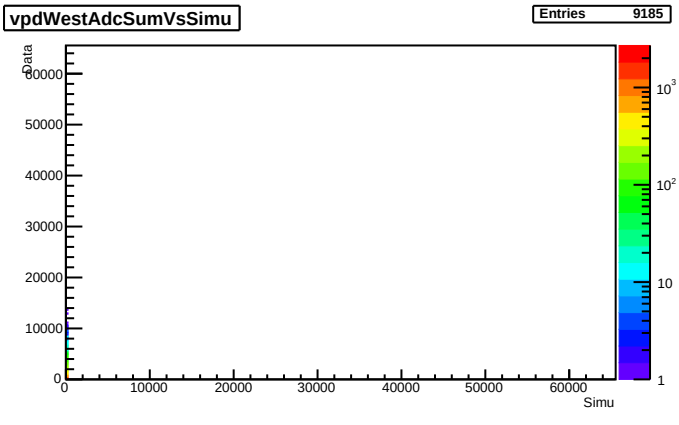

vpdEastAdcSum
Entries 12167

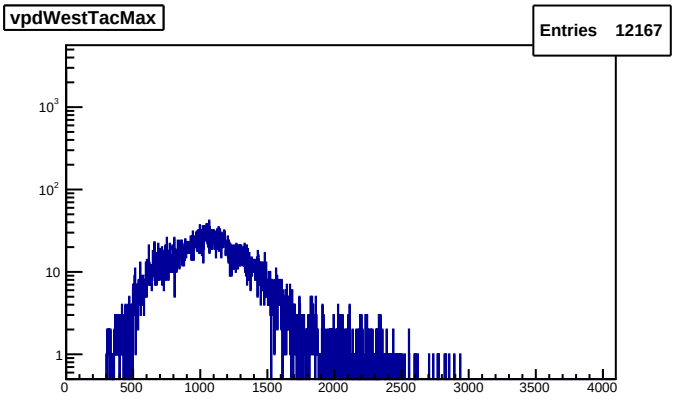

vpdEastAdcSumVsSimu
Entries 7423
Data
Simu

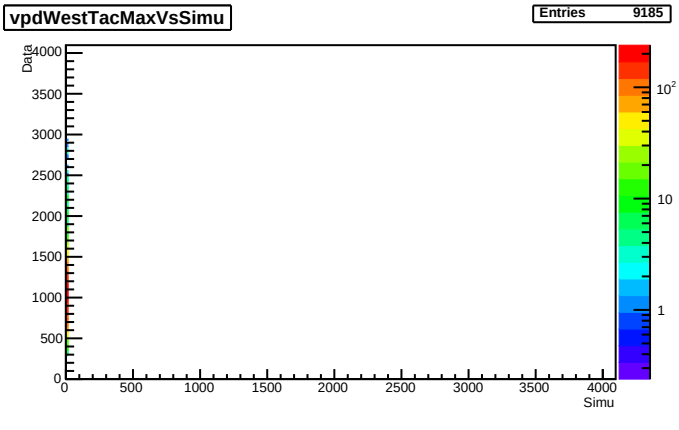

vpdEastTacMax
Entries 12167

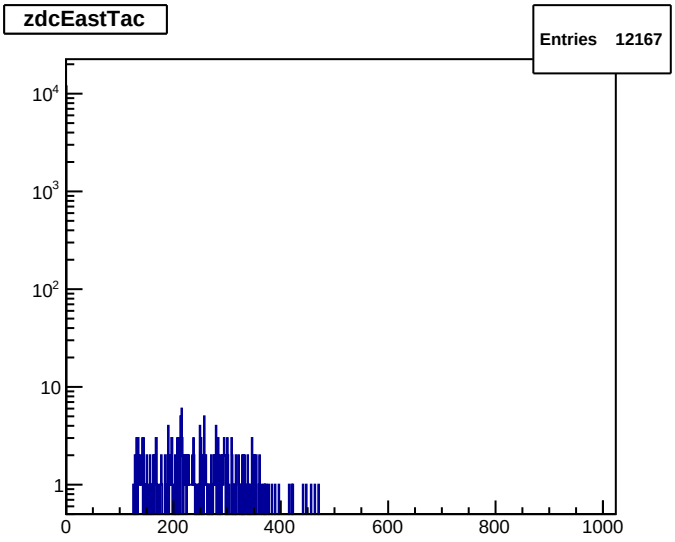

vpdEastTacMaxVsSimu
Entries 7423
Data
Simu

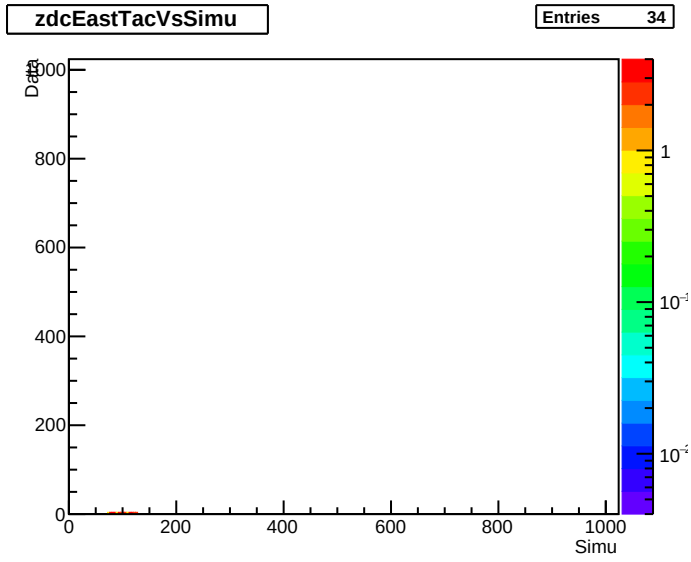

vpdWestAdcSum
Entries 12167

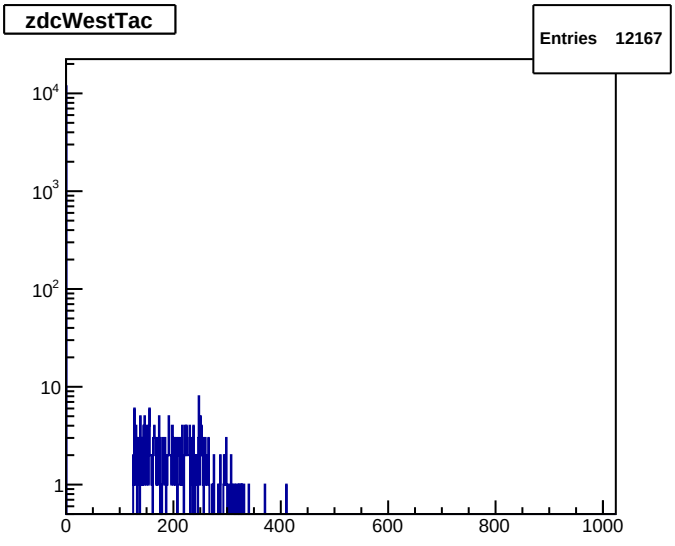

vpdWestAdcSumVsSimu
Entries 9185
Data
Simu

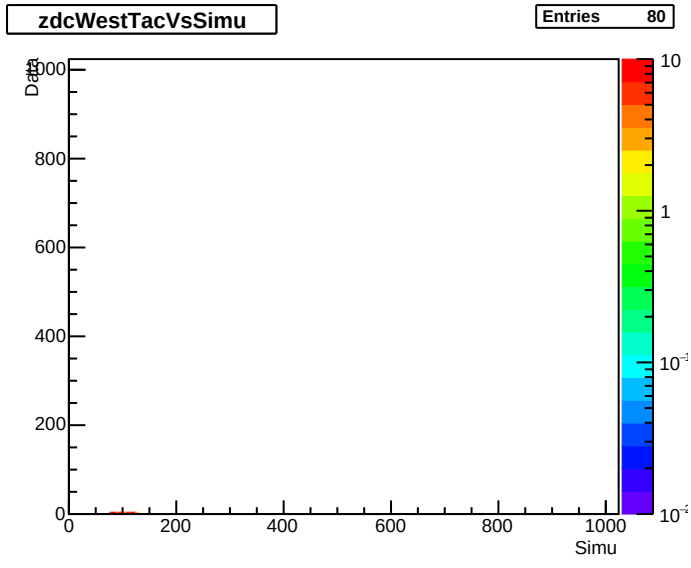

vpdWestTacMax
Entries 12167

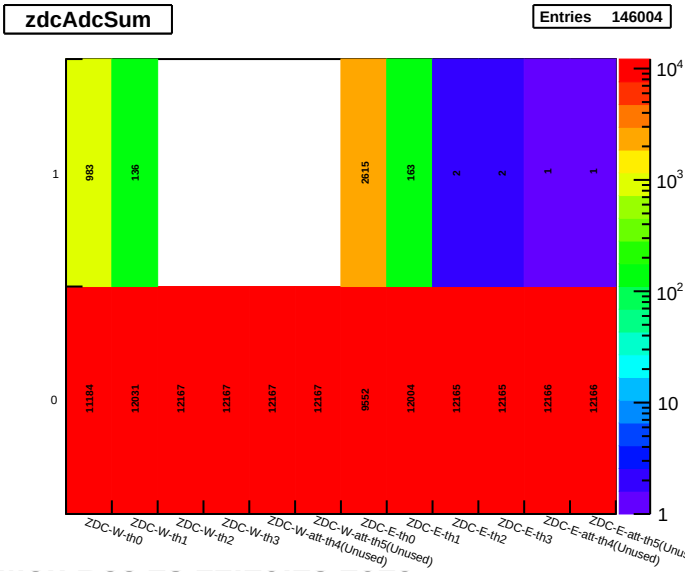

vpdWestTacMaxVsSimu
Entries 9185
Data
Simu

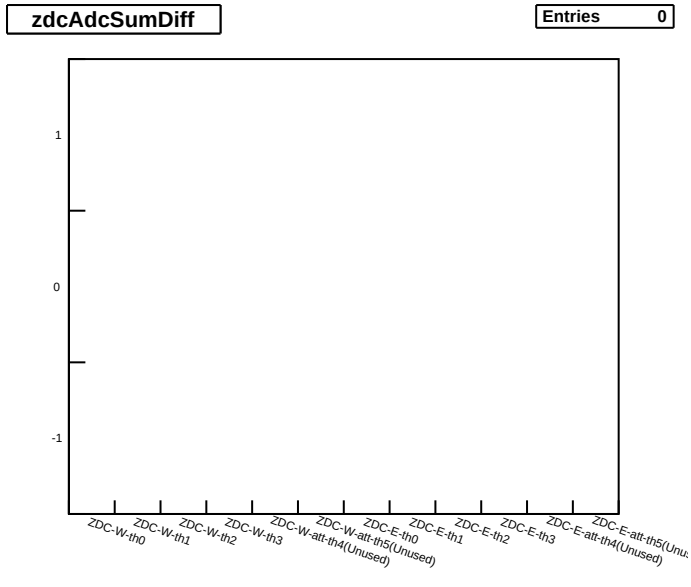

zdcEastTac
Entries 12167

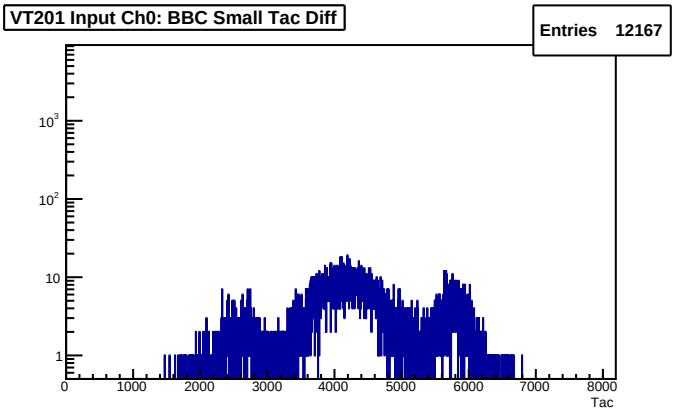

zdcEastTacVsSimu
Entries 34
Data
Simu

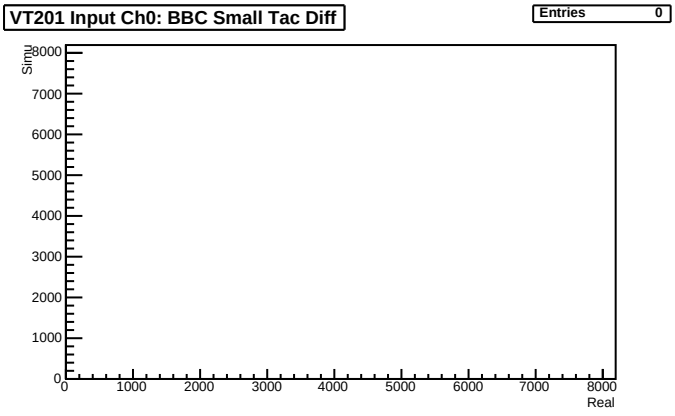

zdcWestTac
Entries 12167

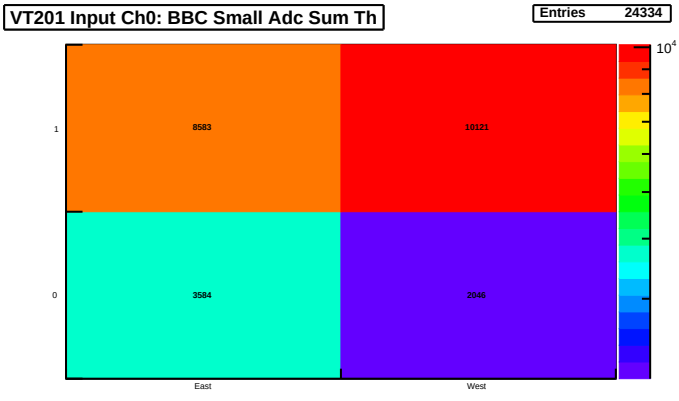

zdcWestTacVsSimu
Entries 80
Data
Simu

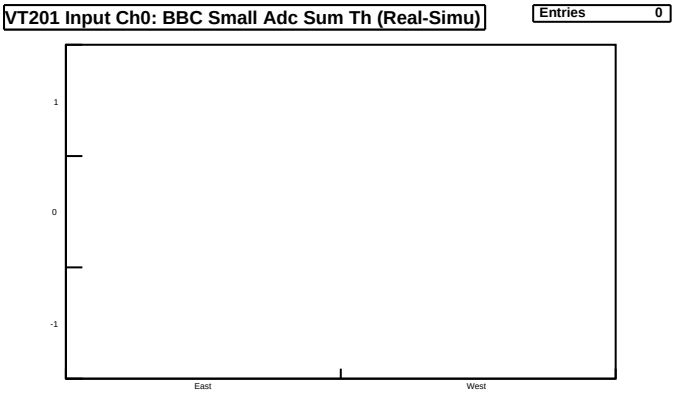

zdcAdcSum
Entries 146004
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

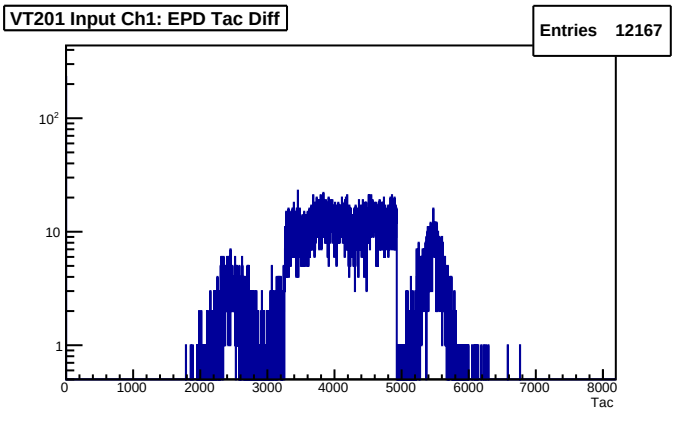

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

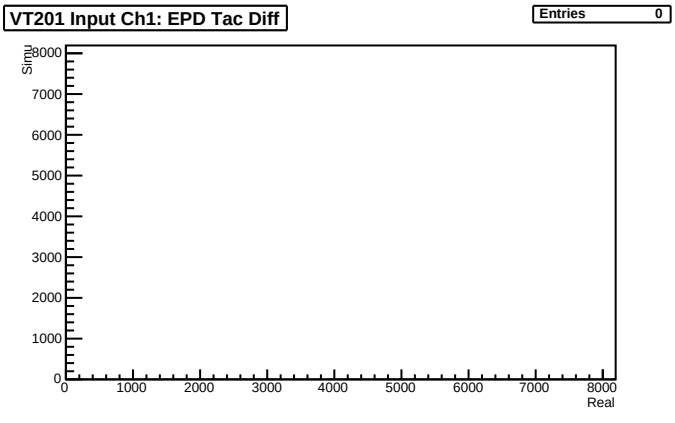

VT201 Input Ch0: BBC Small Tac Diff
Entries 12167
Tac

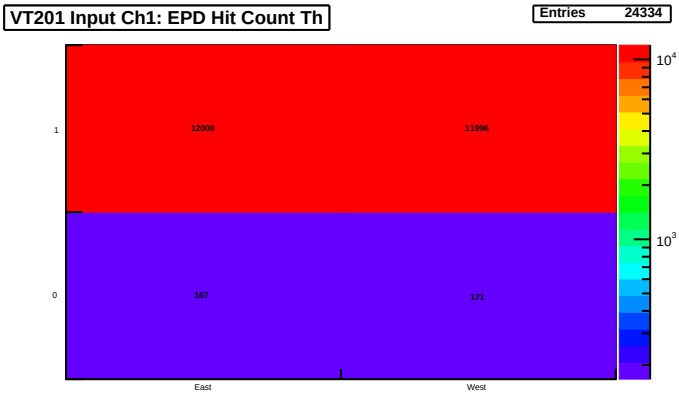

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

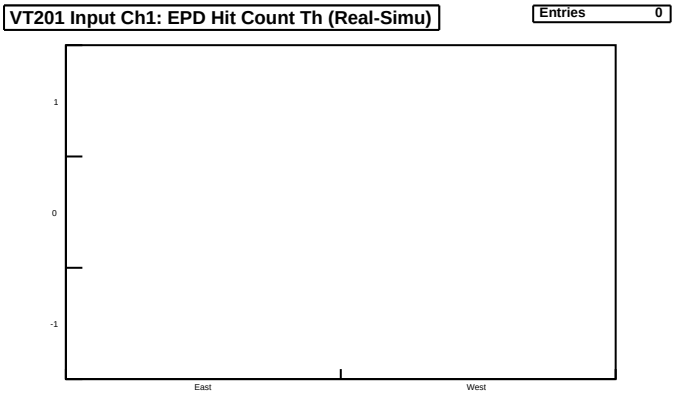

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 24334
8583
10121
3584
2046
East
West

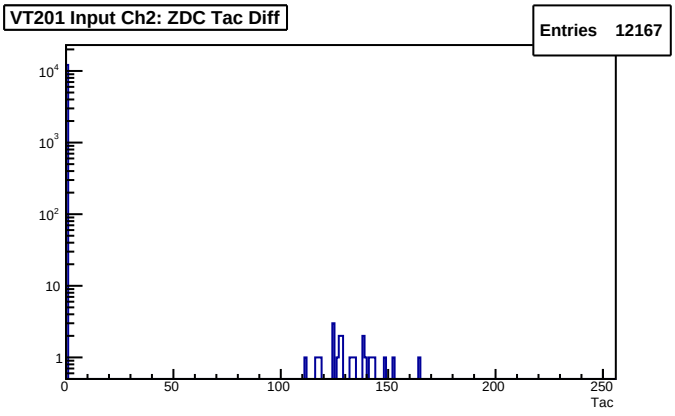

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

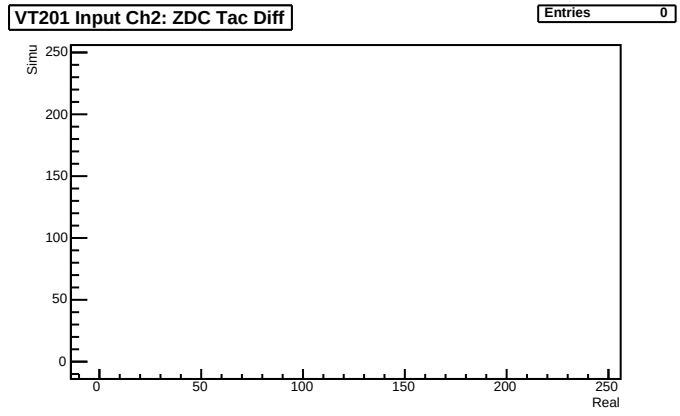

VT201 Input Ch1: EPD Tac Diff
Entries 12167
Tac

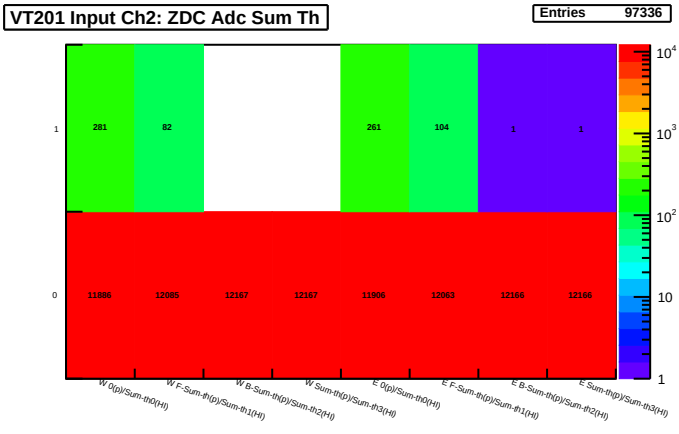

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

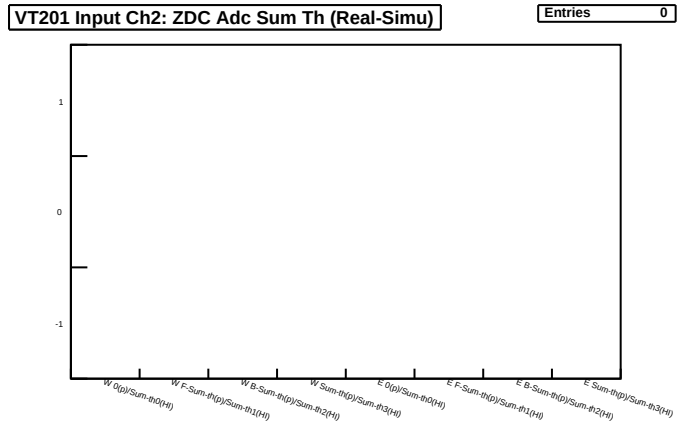

VT201 Input Ch1: EPD Hit Count Th
Entries 24334
12000
11996
167
171
East
West

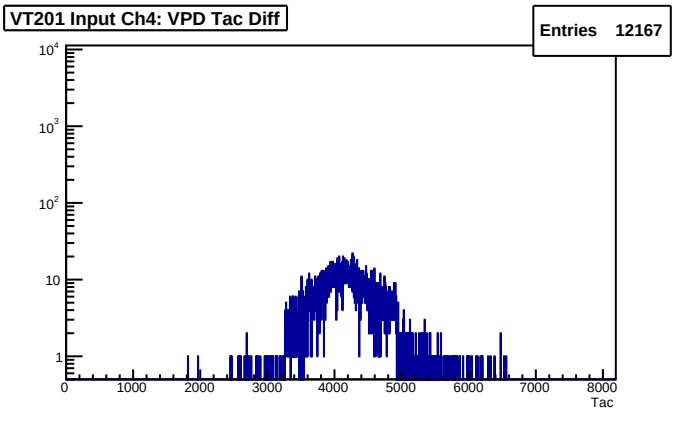

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

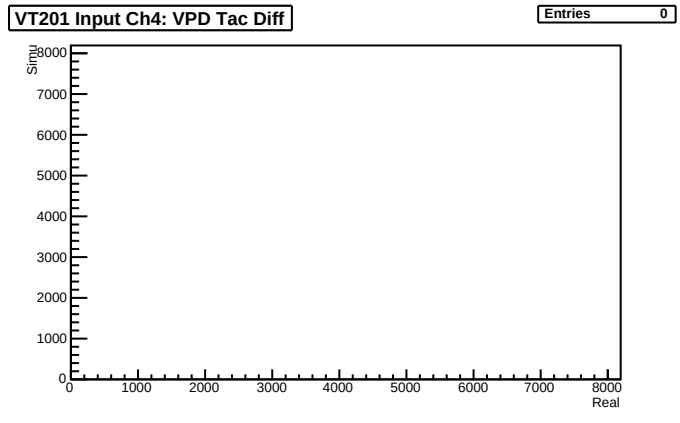

VT201 Input Ch2: ZDC Tac Diff
Entries 12167
Tac

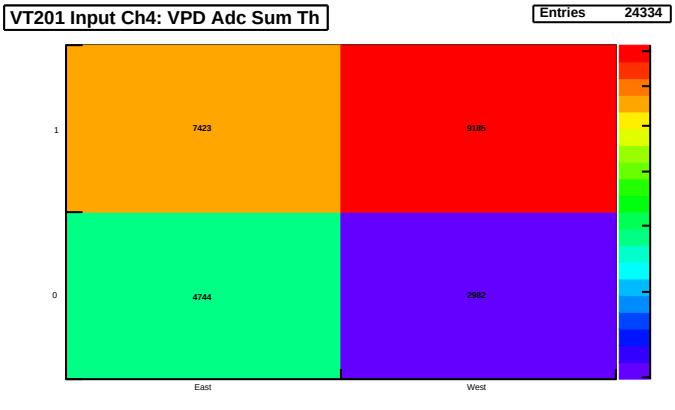

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

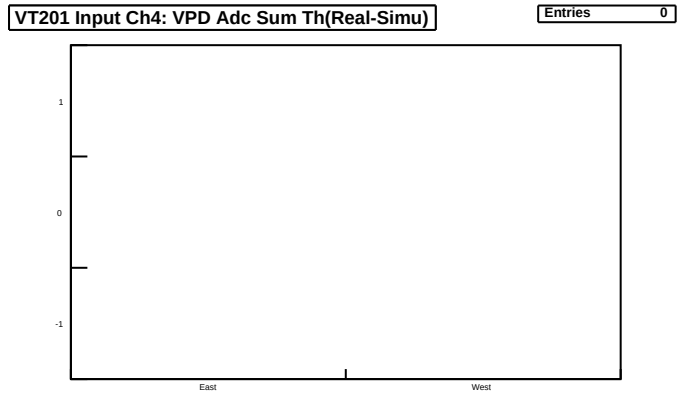

VT201 Input Ch2: ZDC Adc Sum Th
Entries 97336
281
82
261
104
1
1
11886
12085
12167
12167
11906
12063
12166
12166
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

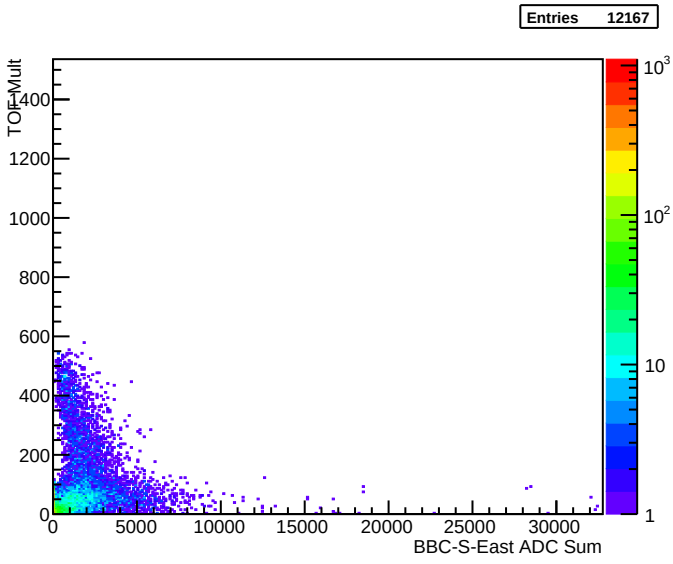

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

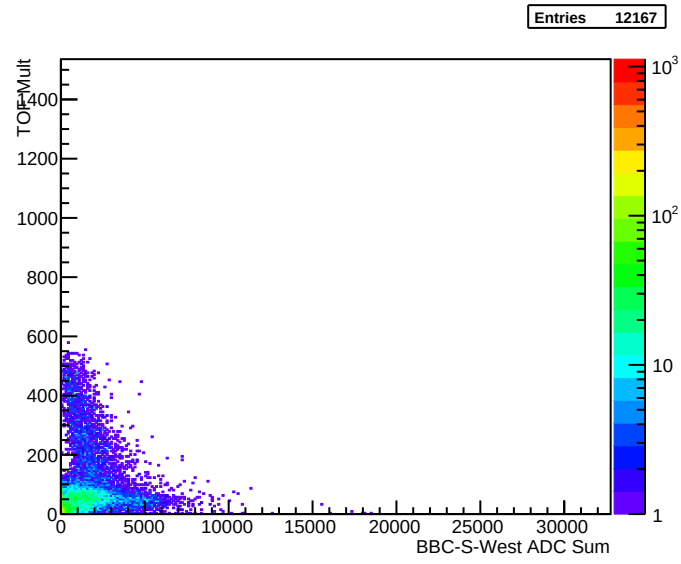

VT201 Input Ch4: VPD Tac Diff
Entries 12167
Tac

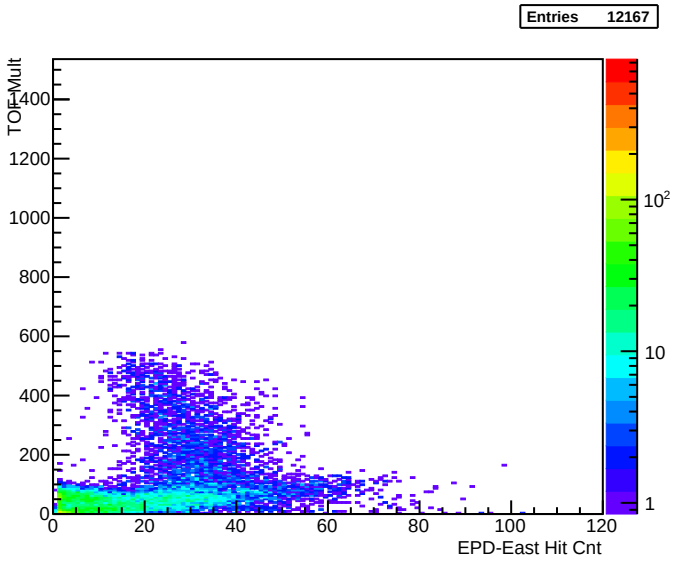

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

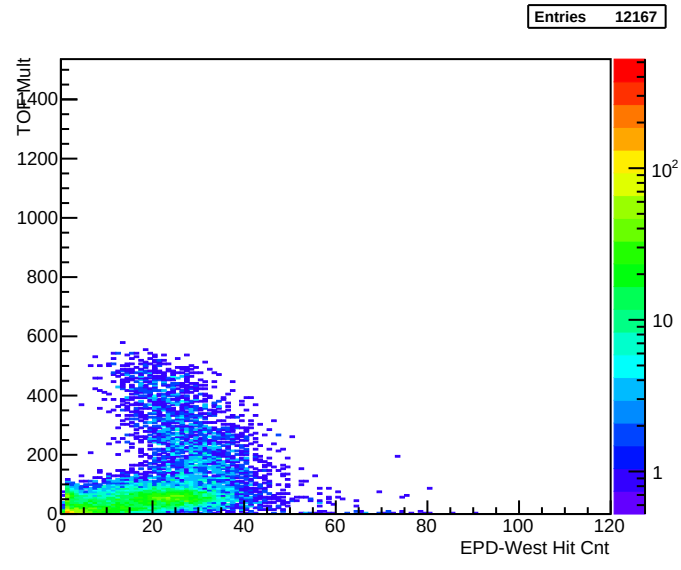

VT201 Input Ch4: VPD Adc Sum Th
Entries 24334
7423
9185
4744
2982
East
West

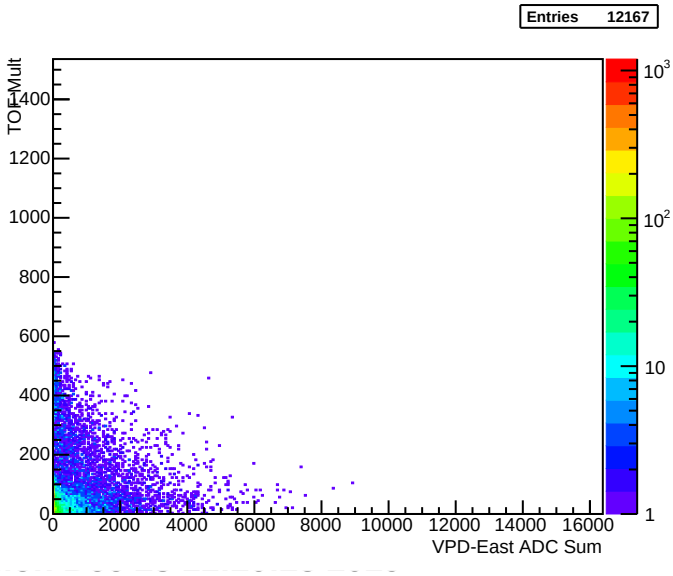

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

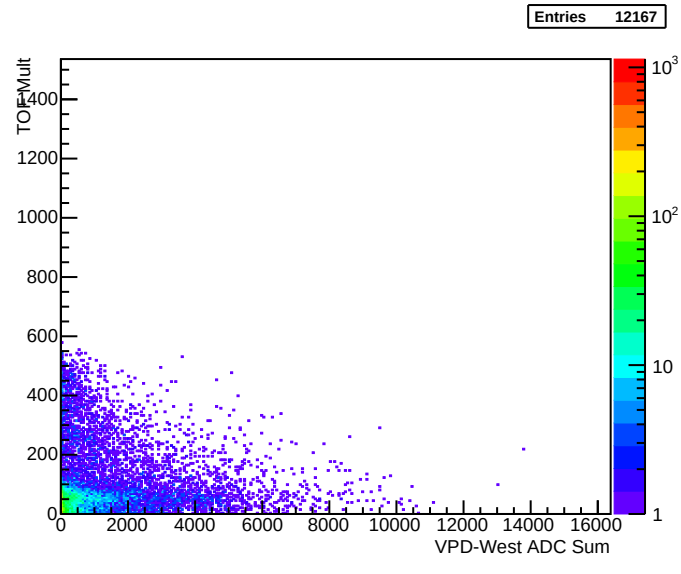

Entries 12167
TOF-Mult
BBC-S-East ADC Sum

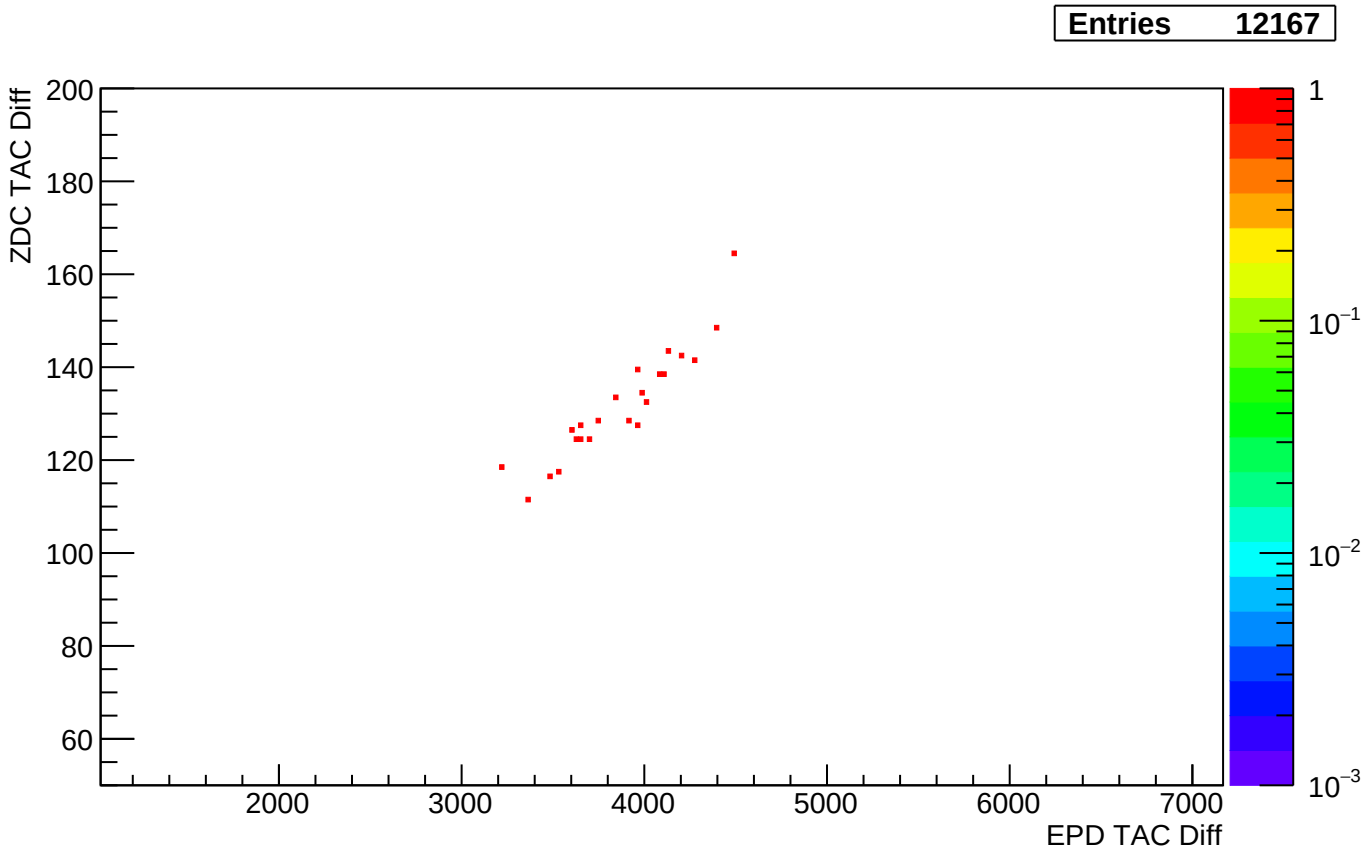

Entries 12167
TOF-Mult
BBC-S-West ADC Sum

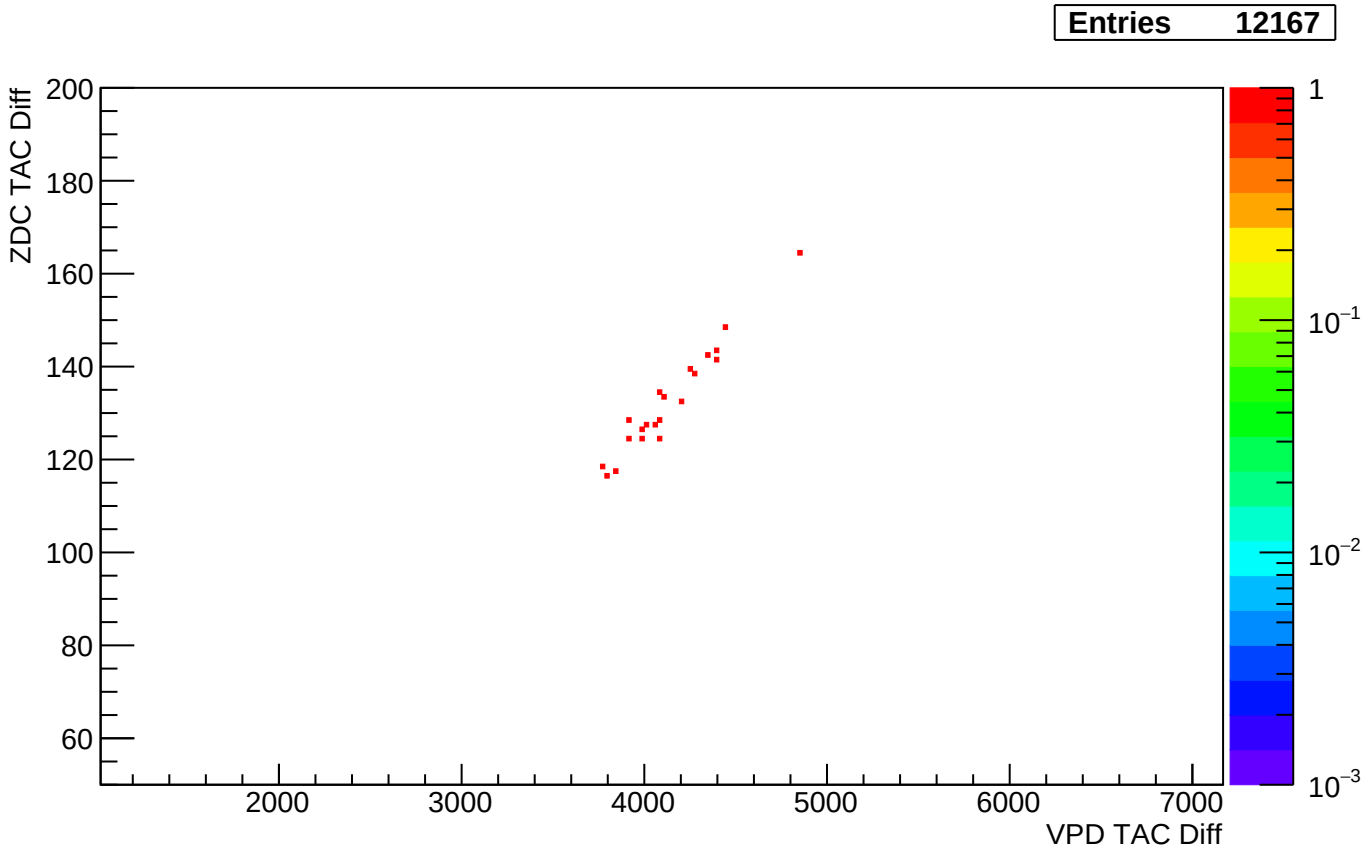

Entries 12167
TOF-Mult
EPD-East Hit Cnt

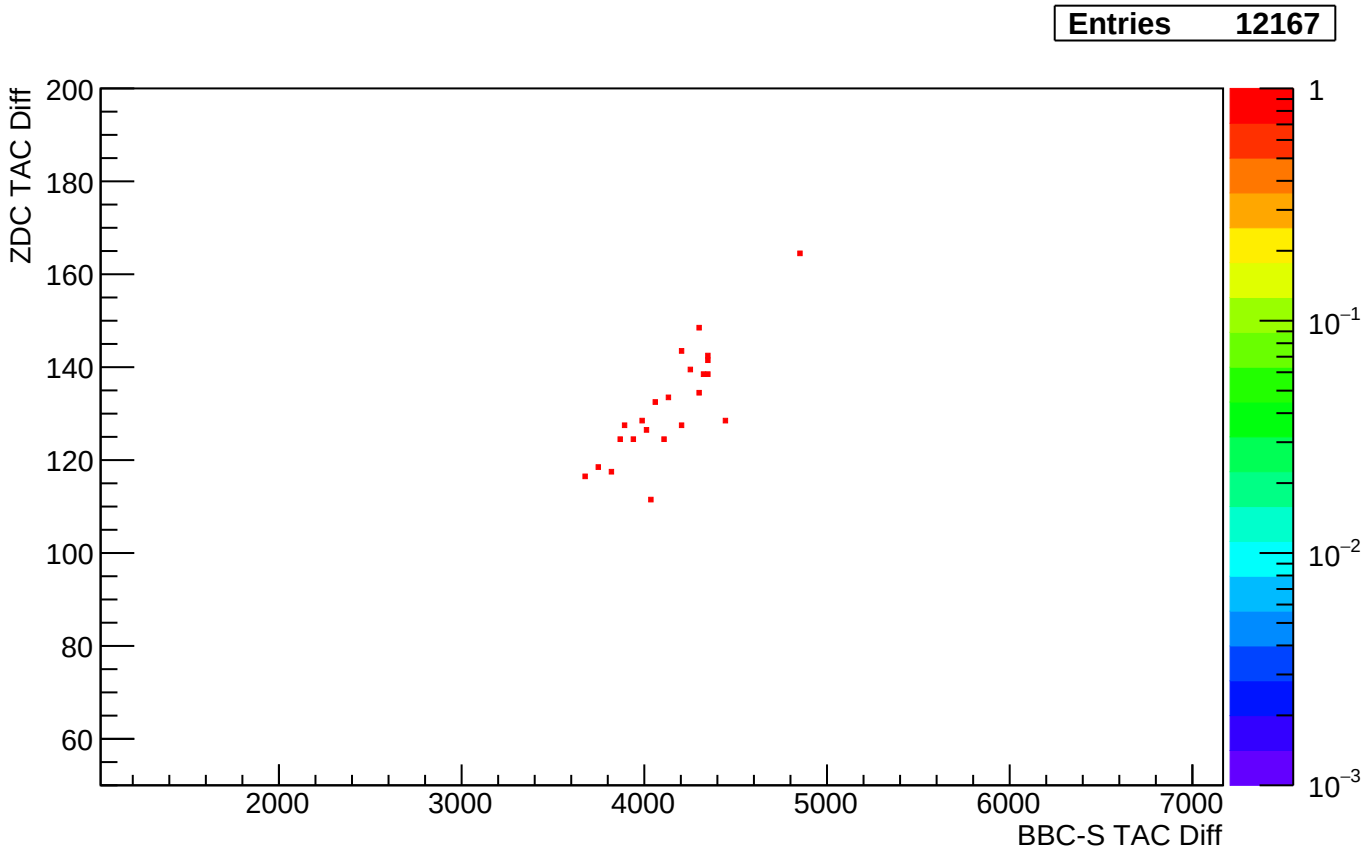

Entries 12167
TOF-Mult
EPD-West Hit Cnt

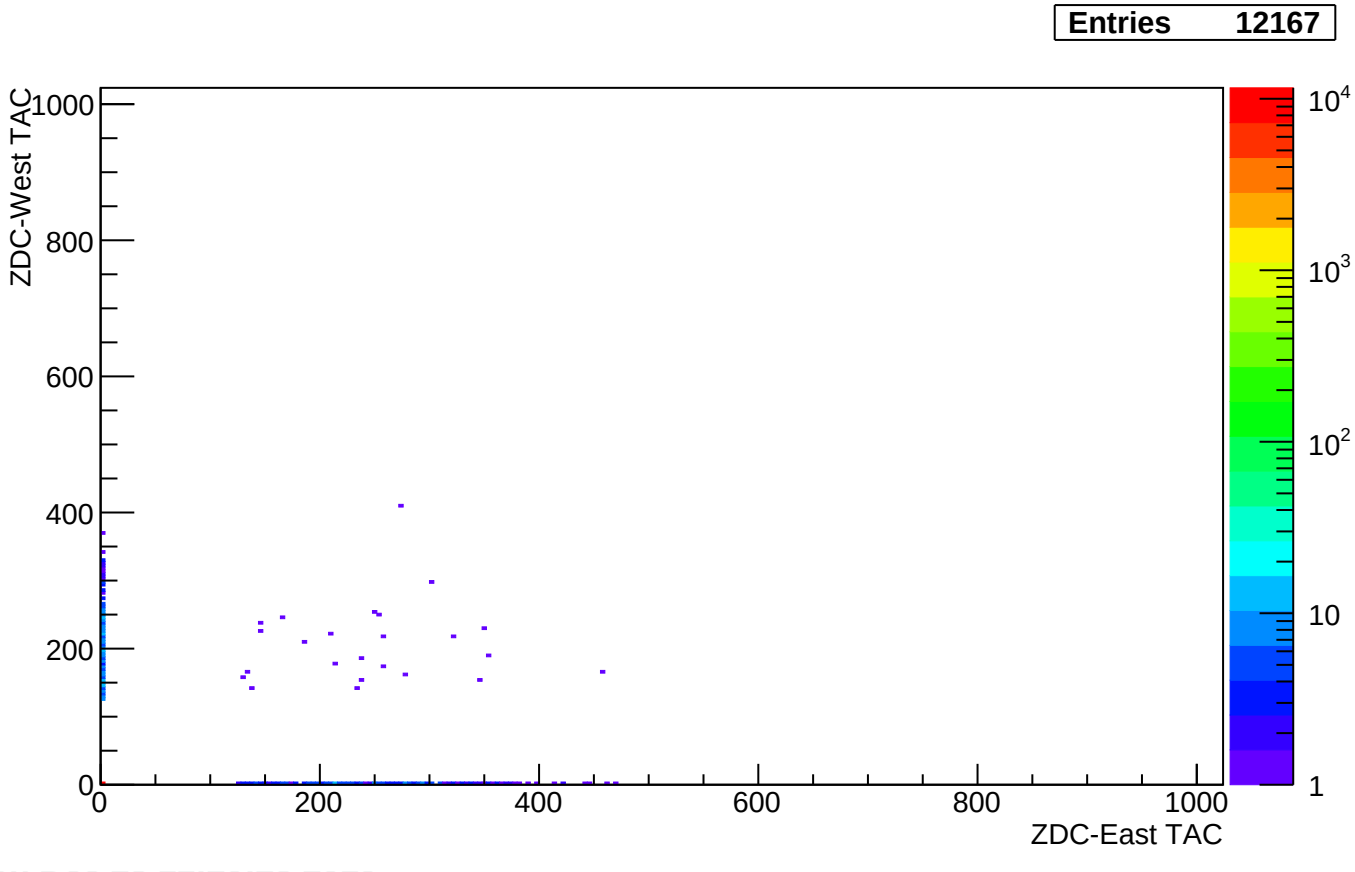

Entries 12167
TOF-Mult
VPD-East ADC Sum

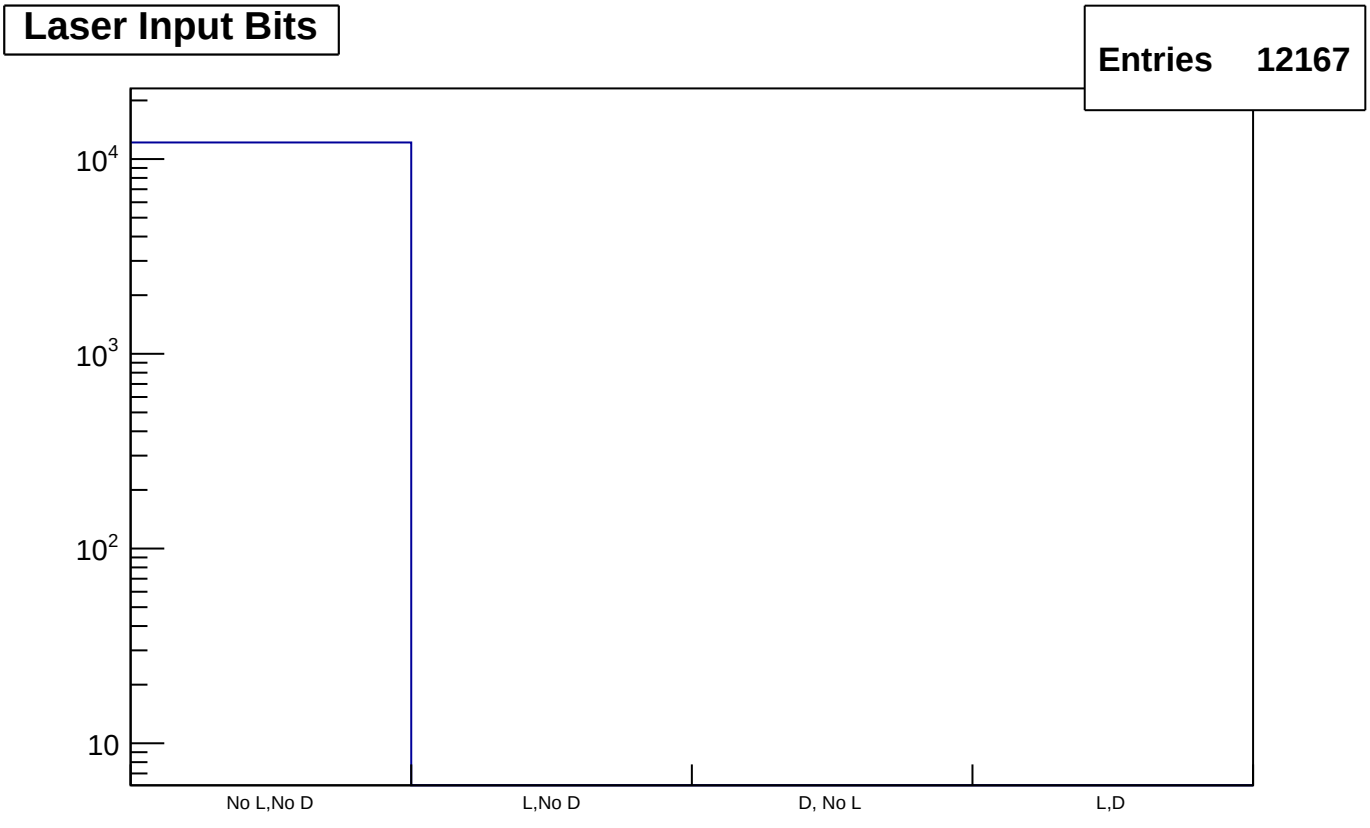

Entries 12167
TOF-Mult
VPD-West ADC Sum

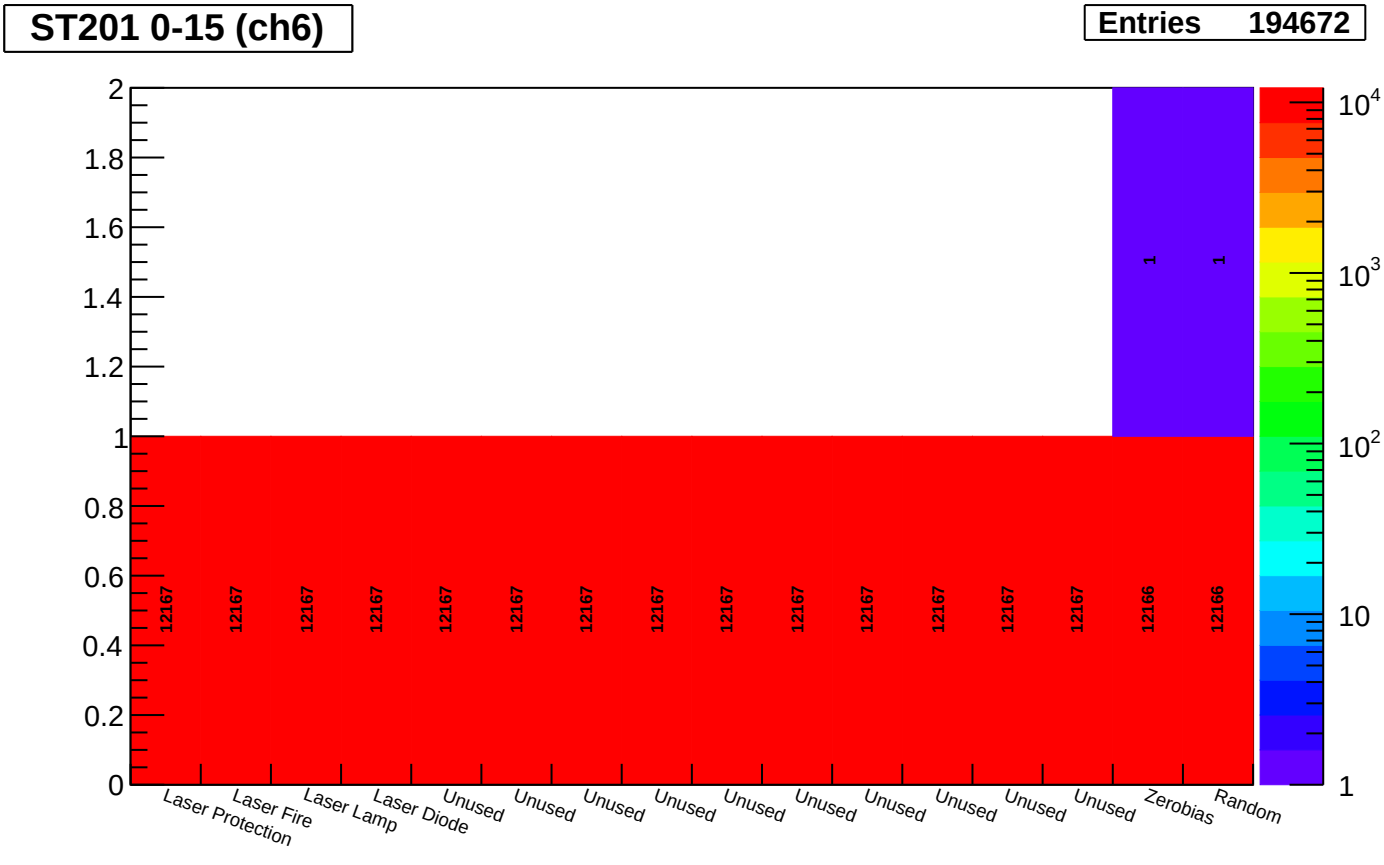

Entries 12167
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

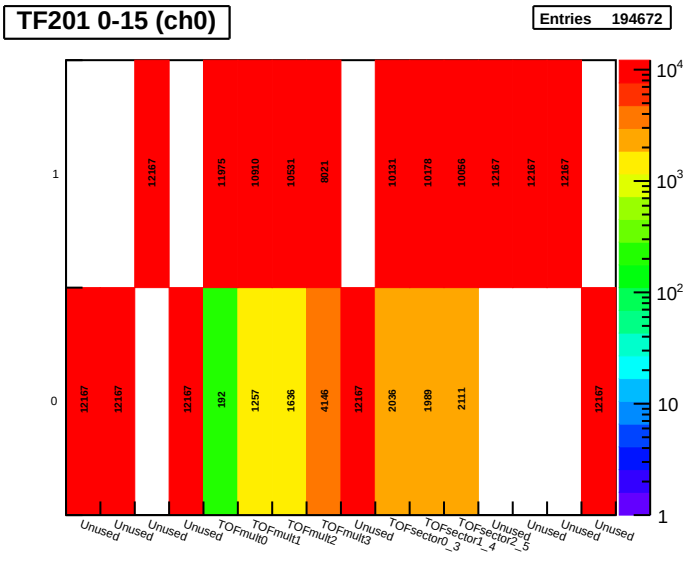

Entries 12167
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

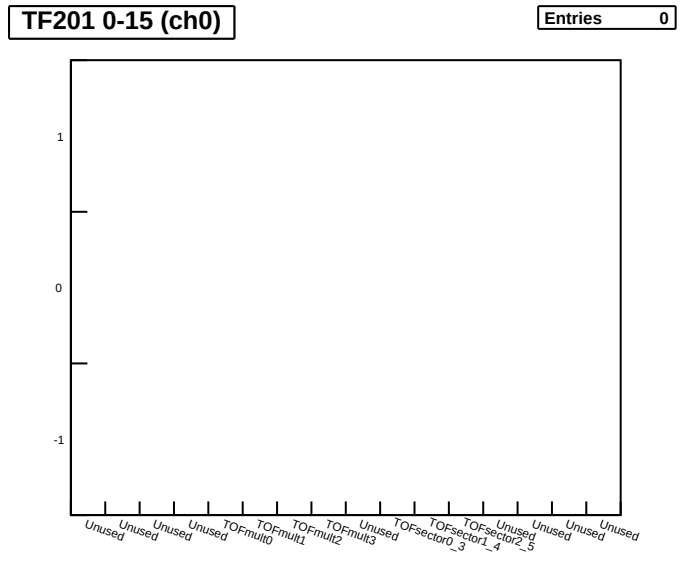

Entries 12167
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

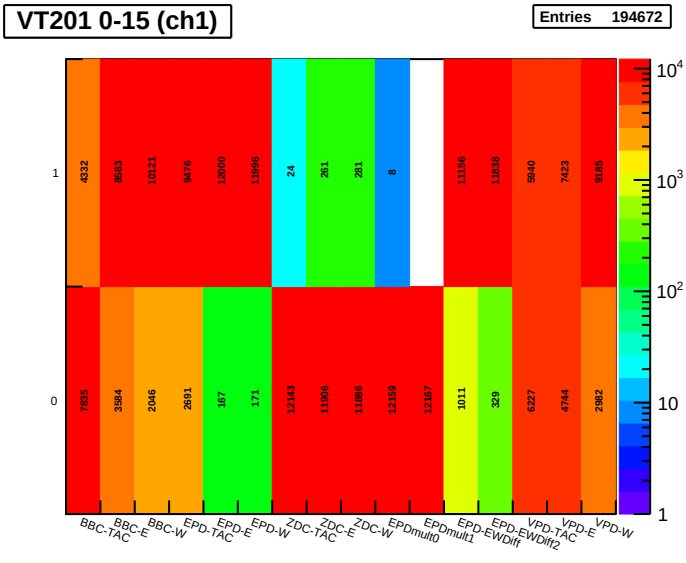

Entries 12167
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

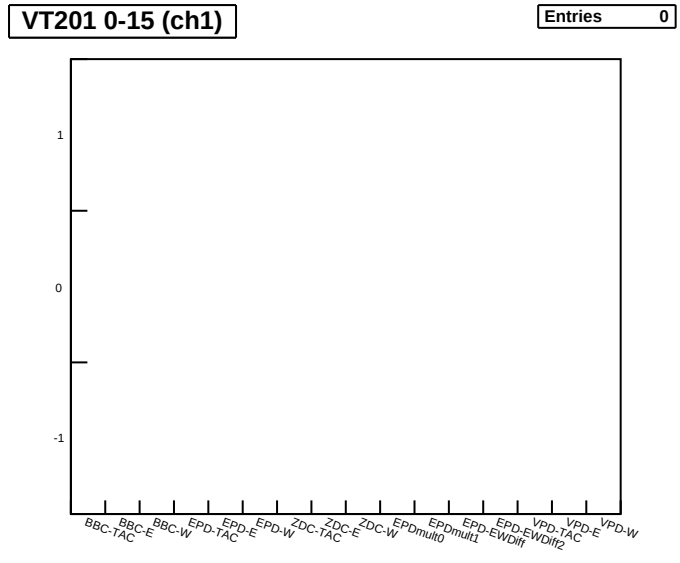

Laser Input Bits
Entries 12167
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

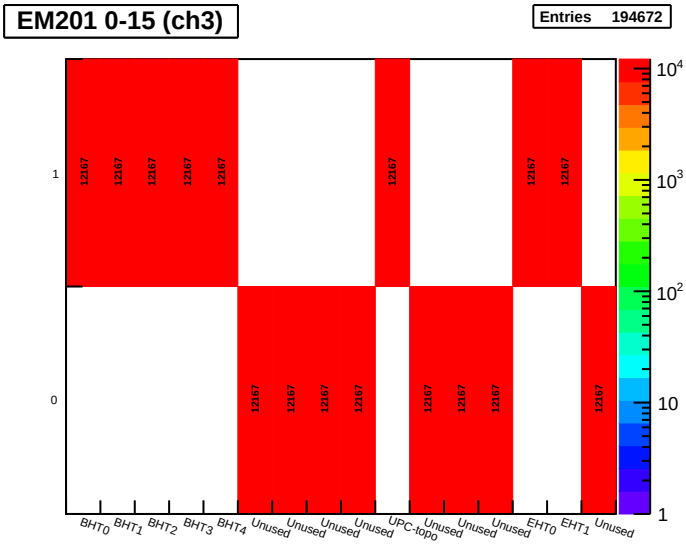

ST201 0-15 (ch6)
Entries 194672
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
12167
12166
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

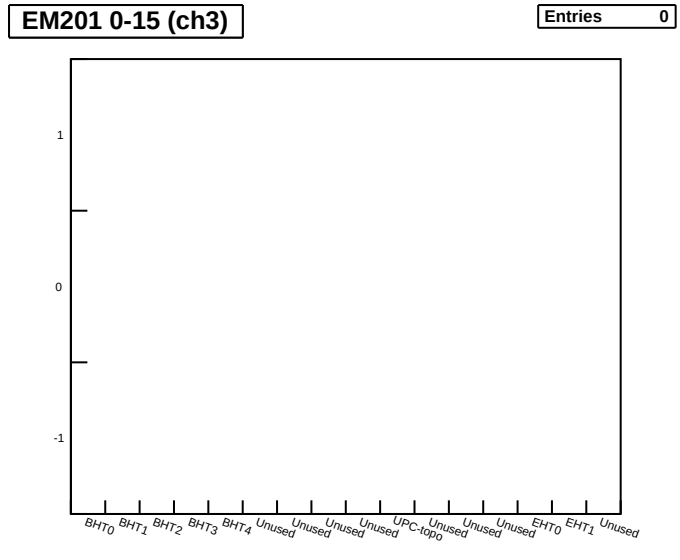

TF201 0-15 (ch0)
Entries 194672
1
0
12167 11975 10910 10531 8021 10131 10178 10056 12167 12167 12167
12167 12167 12167 192 1257 1536 4146 12167 2036 1989 2111 12167
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 Unused


VT201 0-15 (ch1)
Entries 194672
1
0
4332 8583 10121 9476 12000 11996 24 261 281 8 11156 11838 5940 7423 9185
7835 3584 2046 2691 167 171 12143 11906 11886 12159 12167 1011 329 6227 4744 2982
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 194672
1
0
12167 12167 12167 12167 12167 12167 12167 12167
12167 12167 12167 12167 12167 12167 12167 12167
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