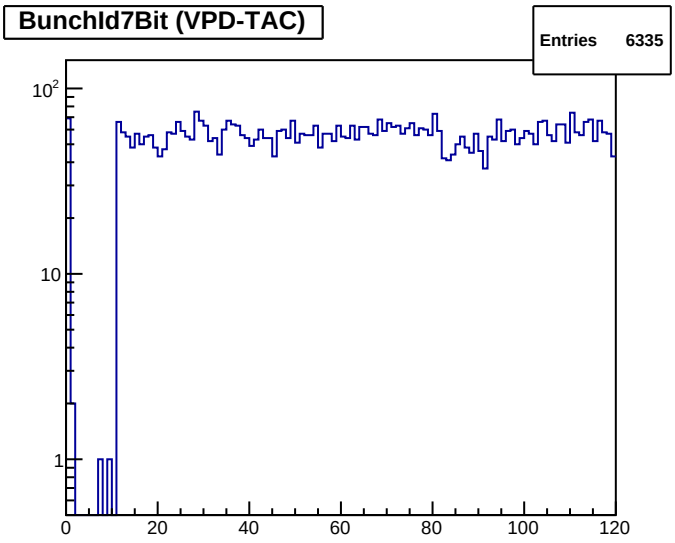
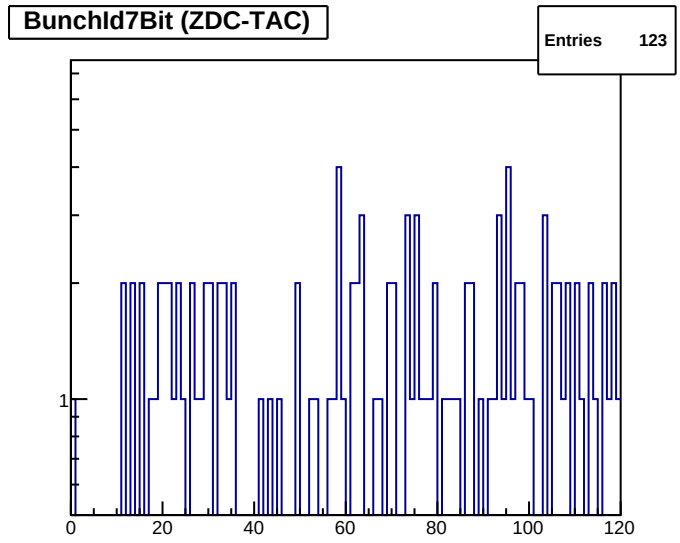
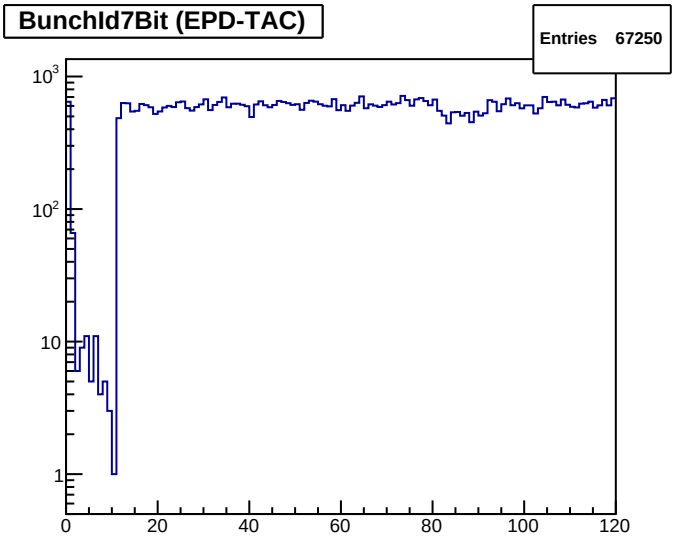
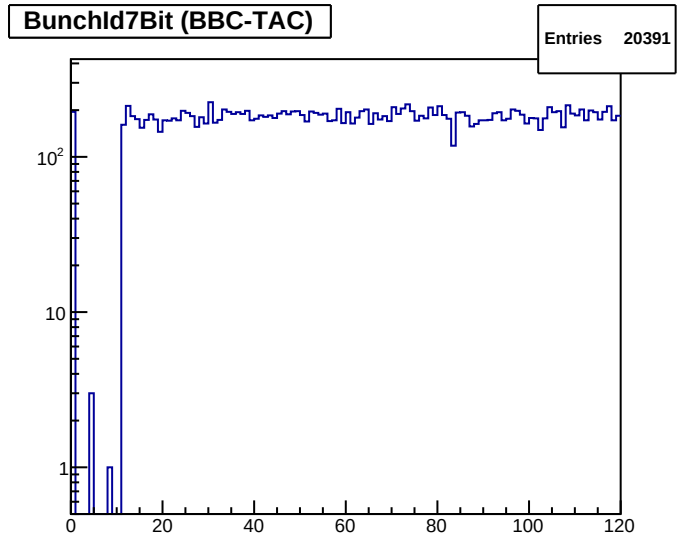
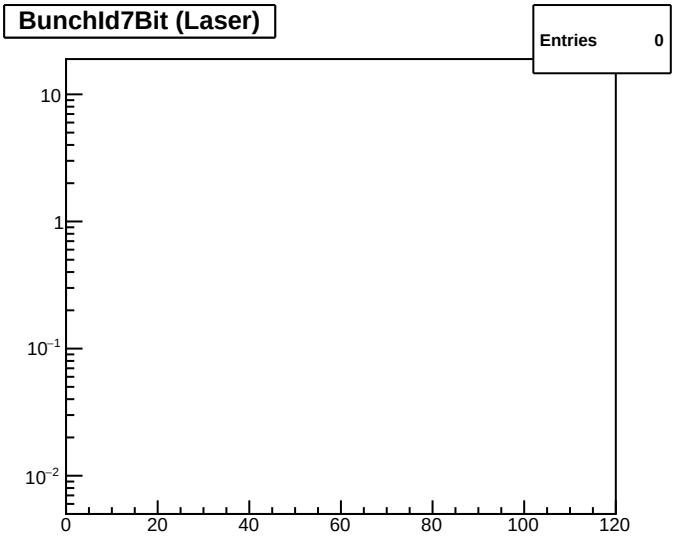
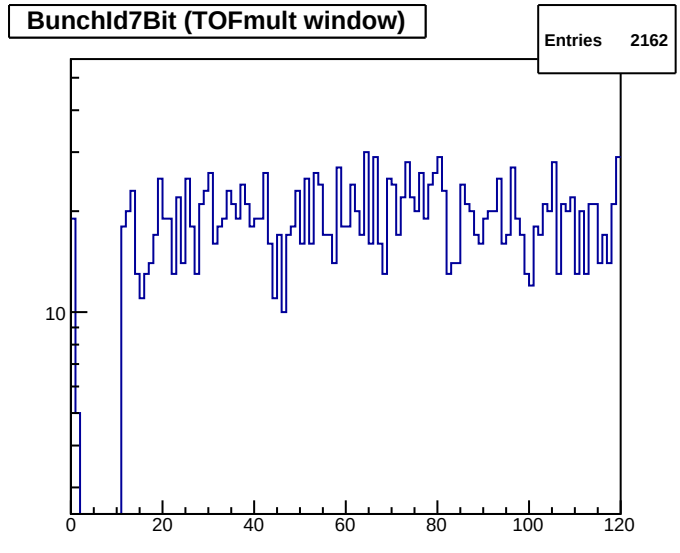

BunchId7Bit (VPD-TAC)
Entries 6335
10^2
10
1
0
20
40
60
80
100
120

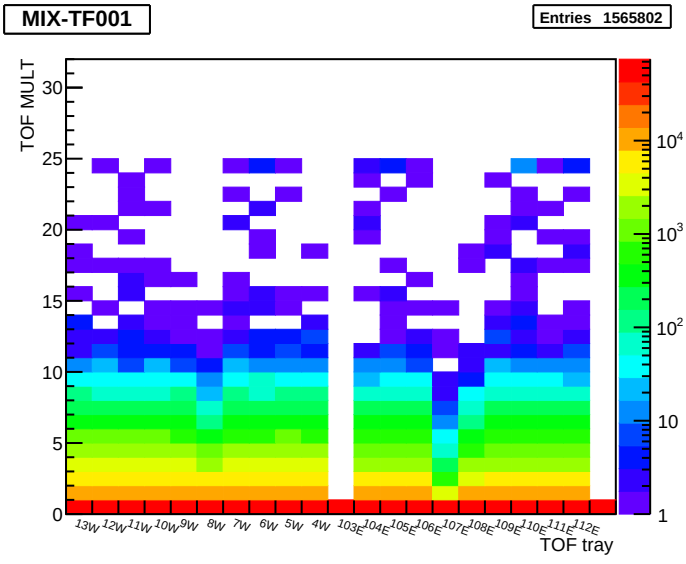

BunchId7Bit (ZDC-TAC)
Entries 123
1
0
20
40
60
80
100
120

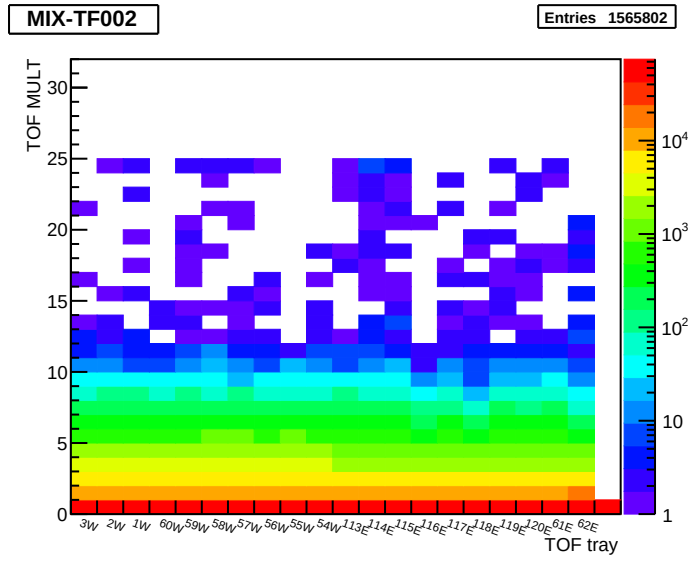

BunchId7Bit (EPD-TAC)
Entries 67250
10^3
10^2
10
1
0
20
40
60
80
100
120

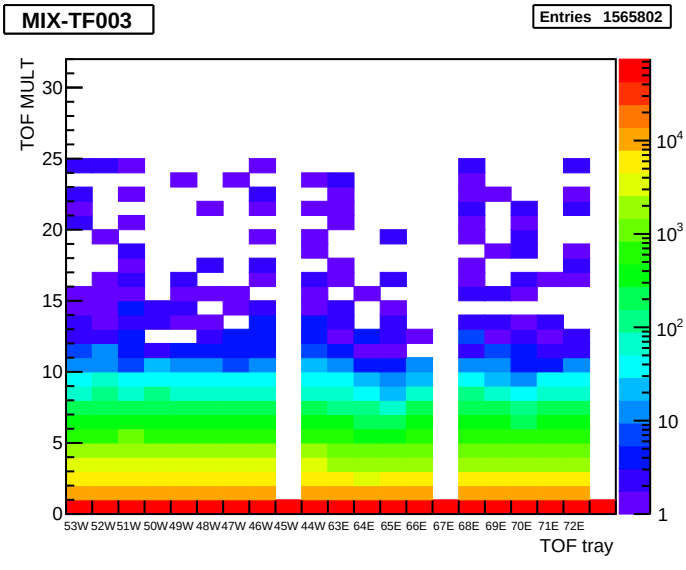

BunchId7Bit (BBC-TAC)
Entries 20391
10^2
10
1
0
20
40
60
80
100
120

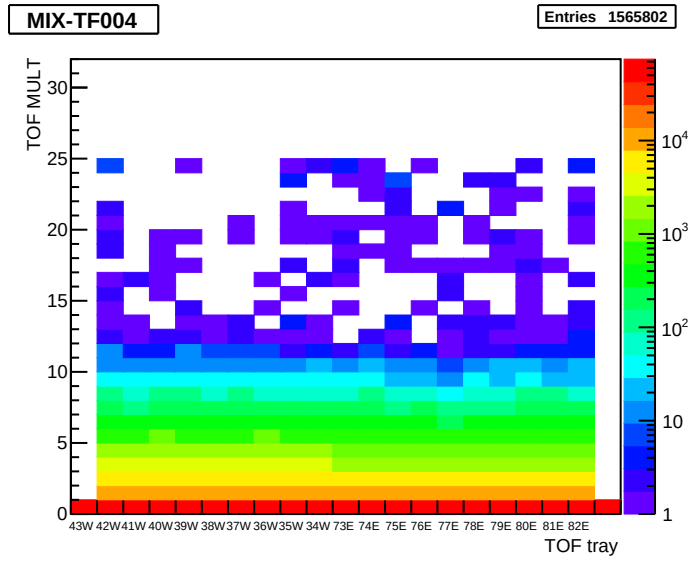

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

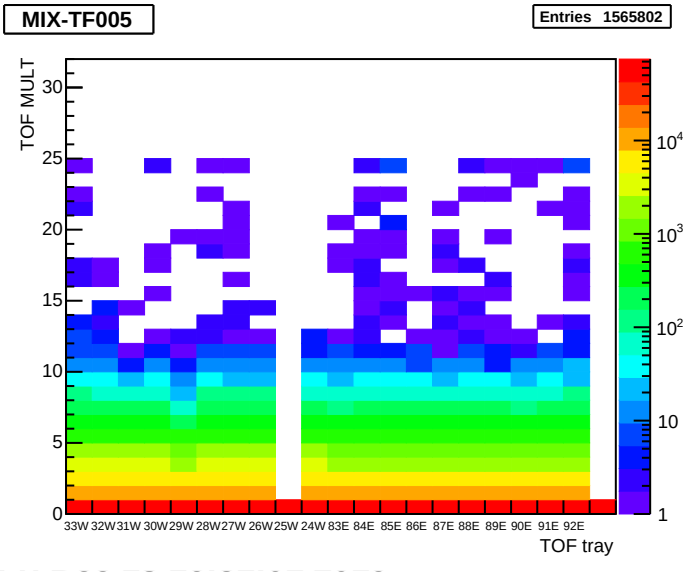

BunchId7Bit (TOFmult window)
Entries 2162
10
0
20
40
60
80
100
120

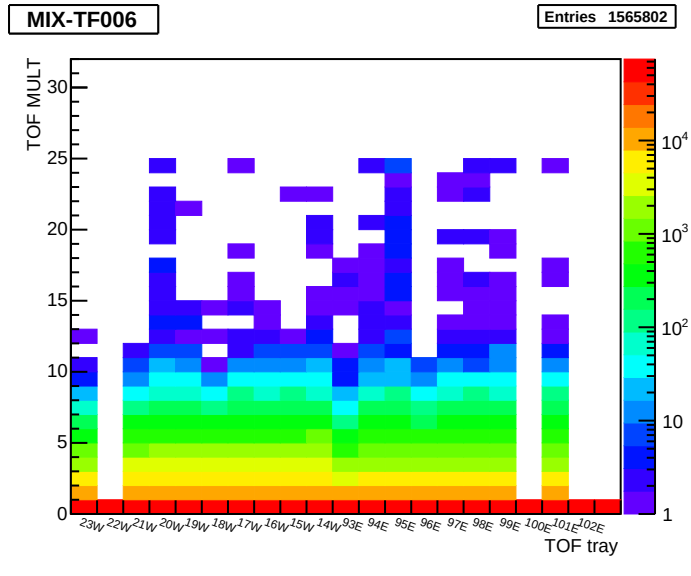

MIX-TF001
Entries 1565802
TOF MULT
TOF tray

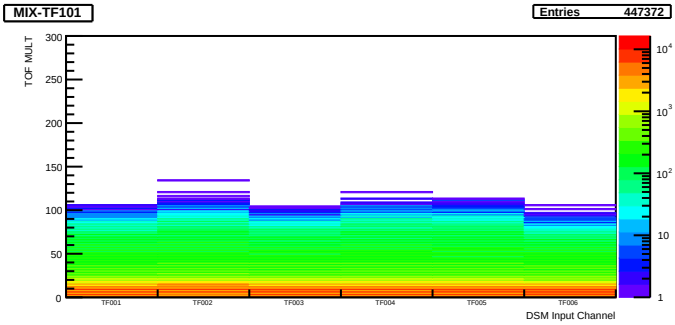

MIX-TF002
Entries 1565802
TOF MULT
TOF tray

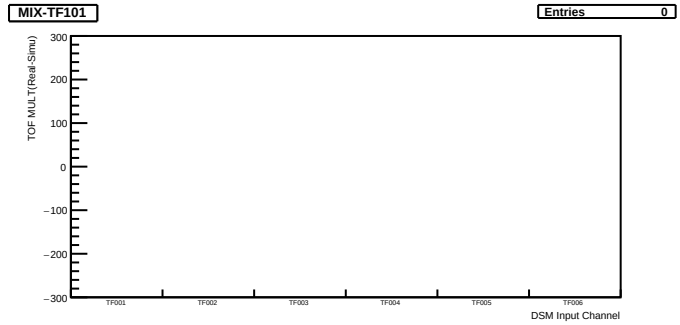

MIX-TF003
Entries 1565802
TOF MULT
TOF tray

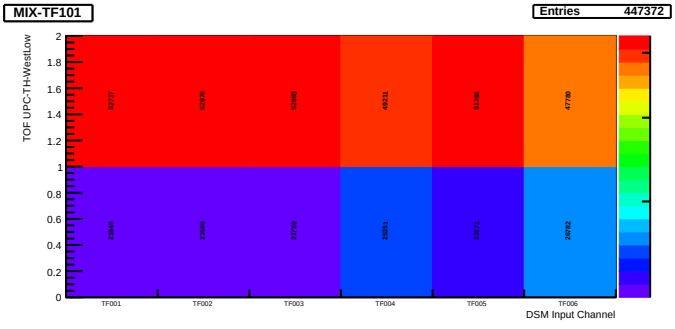

MIX-TF004
Entries 1565802
TOF MULT
TOF tray

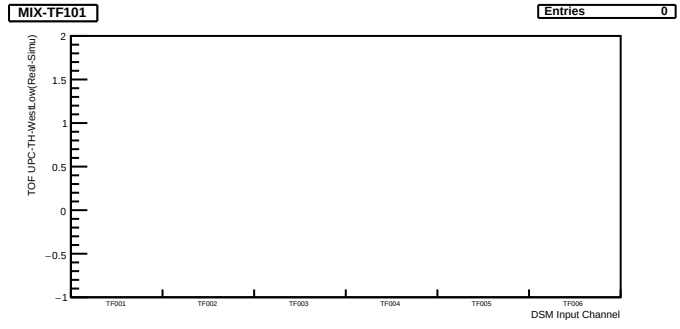

MIX-TF005
Entries 1565802
TOF MULT
TOF tray

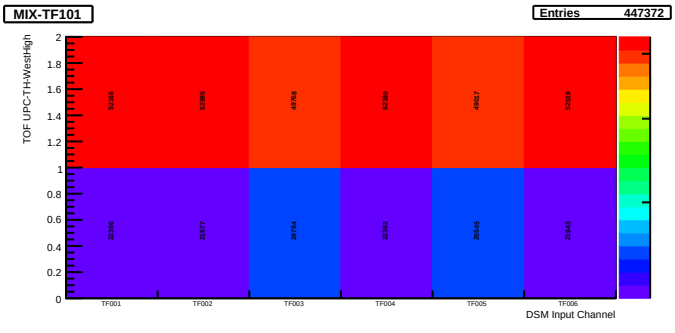

MIX-TF006
Entries 1565802
TOF MULT
TOF tray

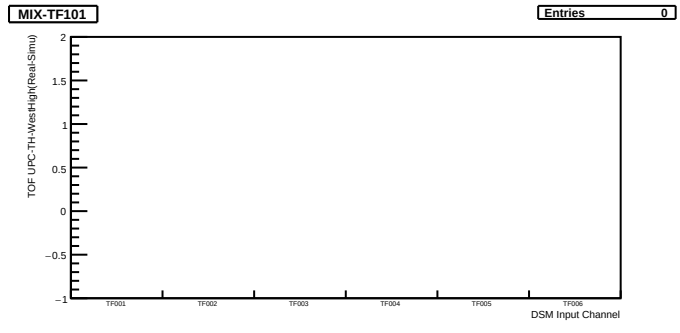

MIX-TF101
Entries 447372
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

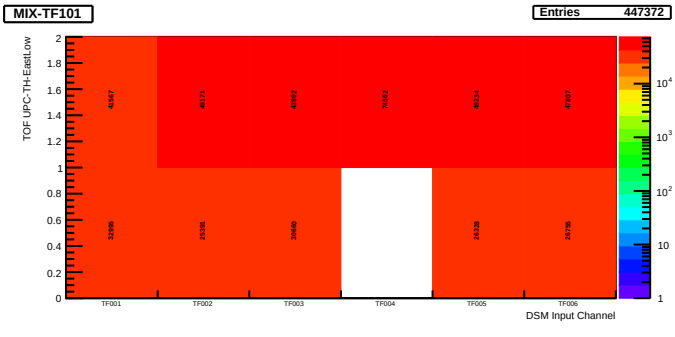

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

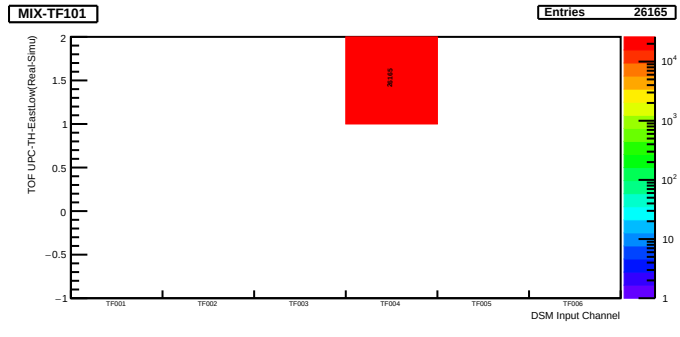

MIX-TF101
Entries 447372
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

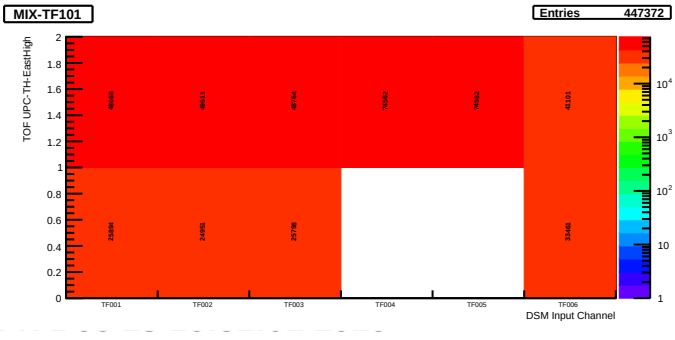

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

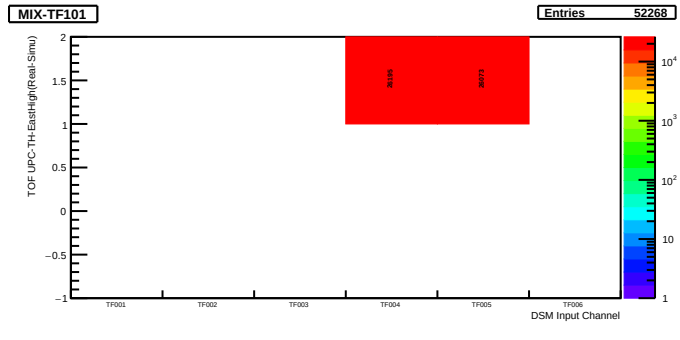

MIX-TF101
Entries 447372
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

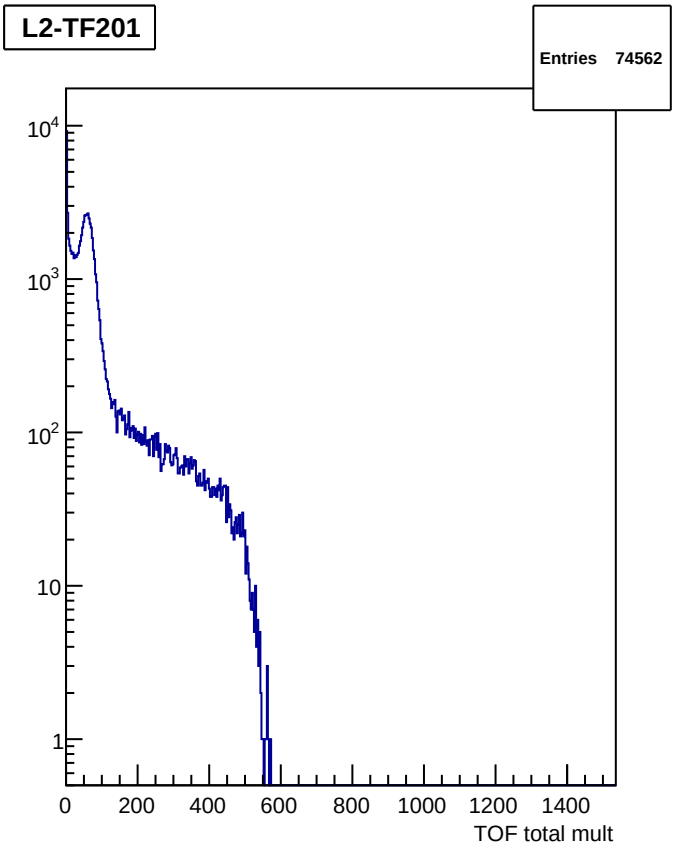

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

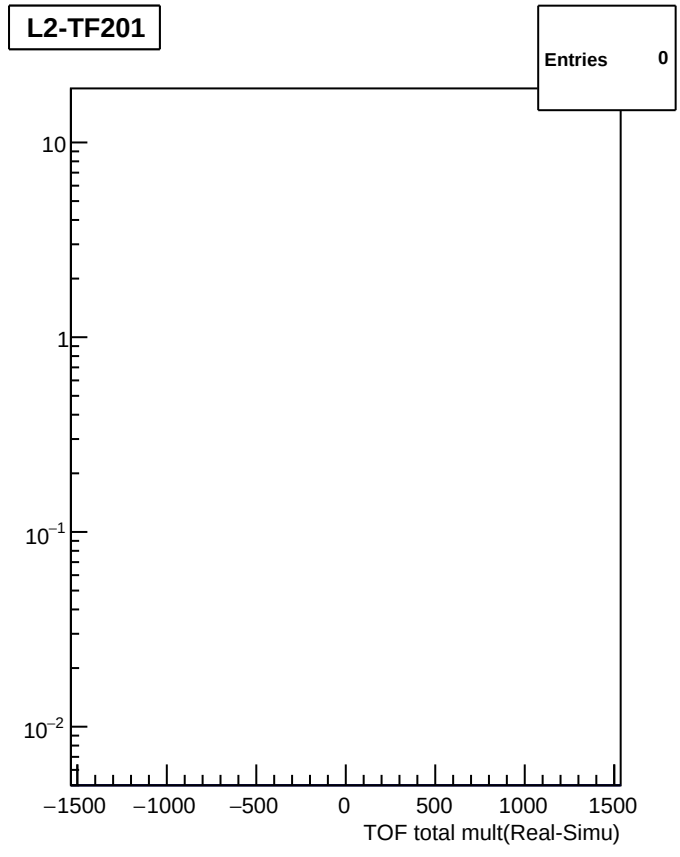

MIX-TF101
Entries 447372
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

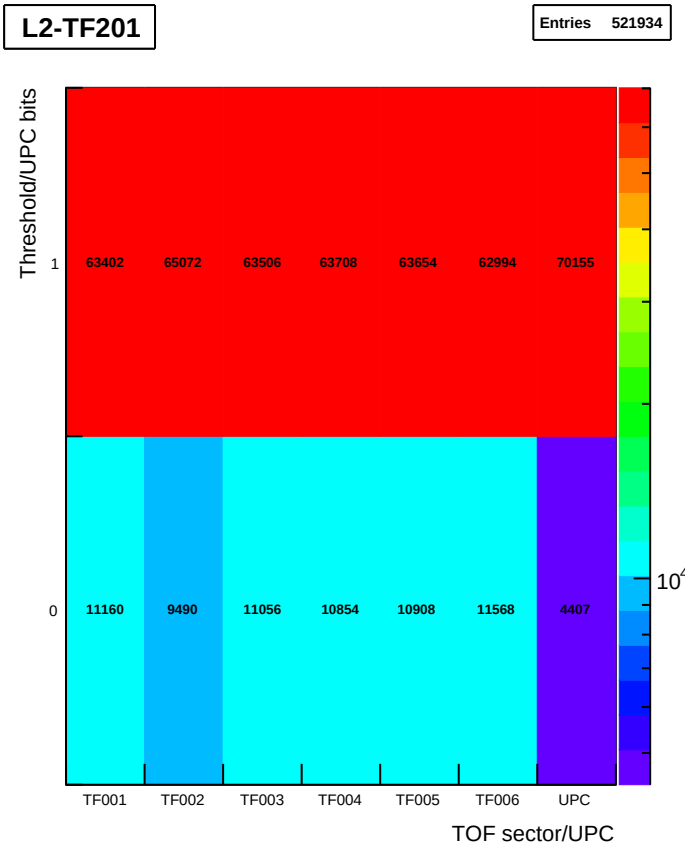

MIX-TF101
Entries 26165
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

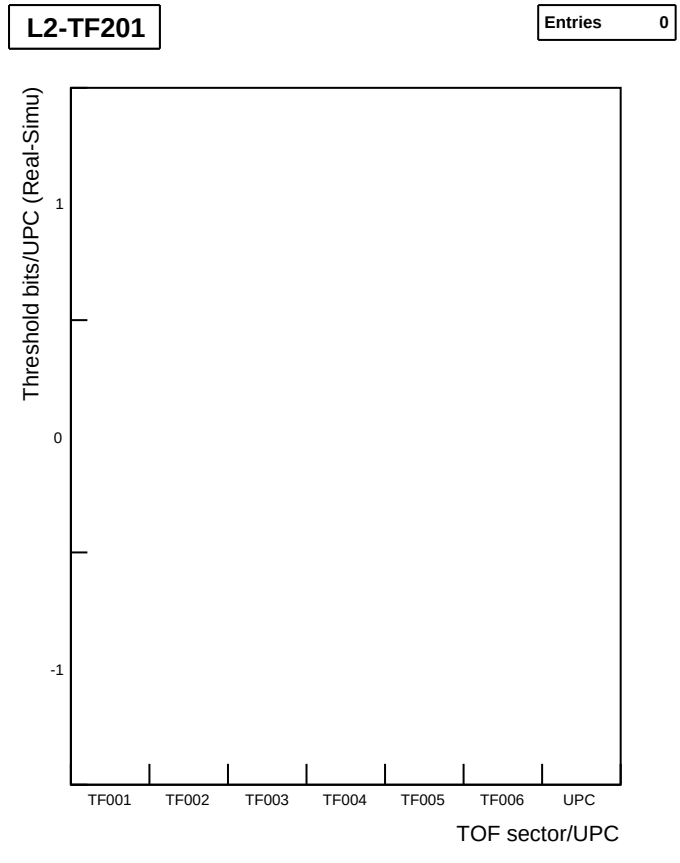

MIX-TF101
Entries 447372
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

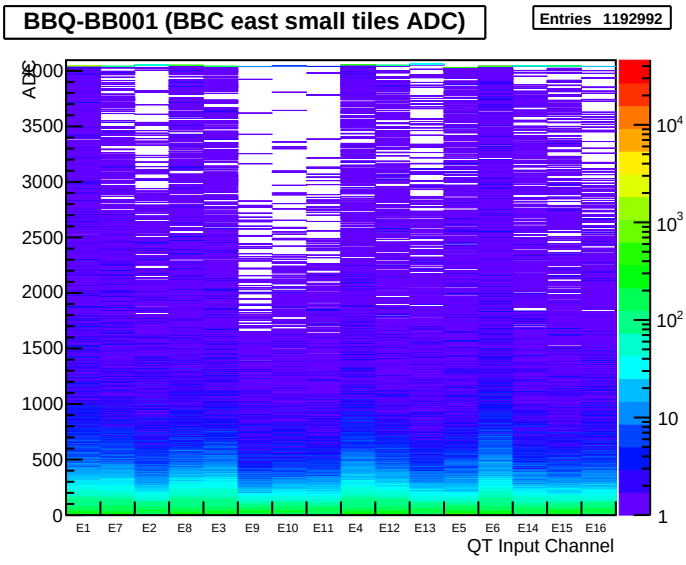

MIX-TF101
Entries 52268
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

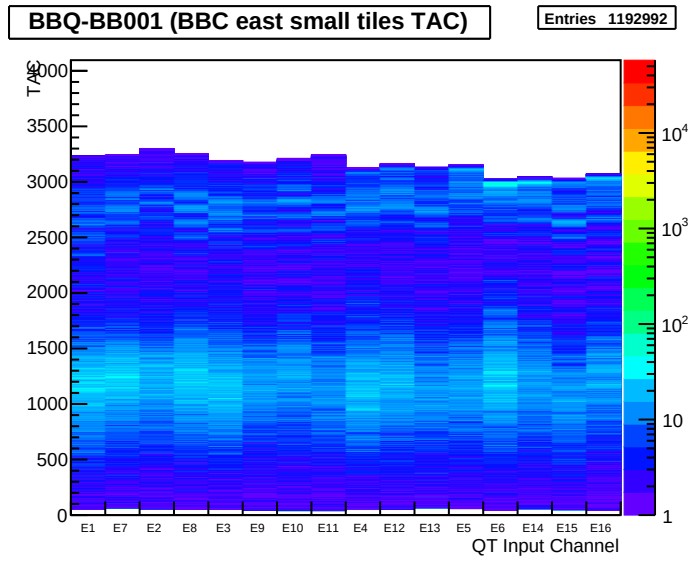

L2-TF201
Entries 74562
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

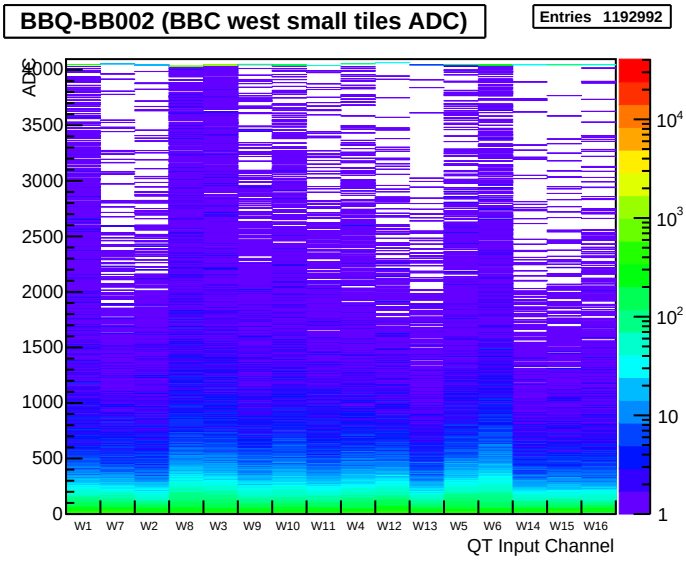

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

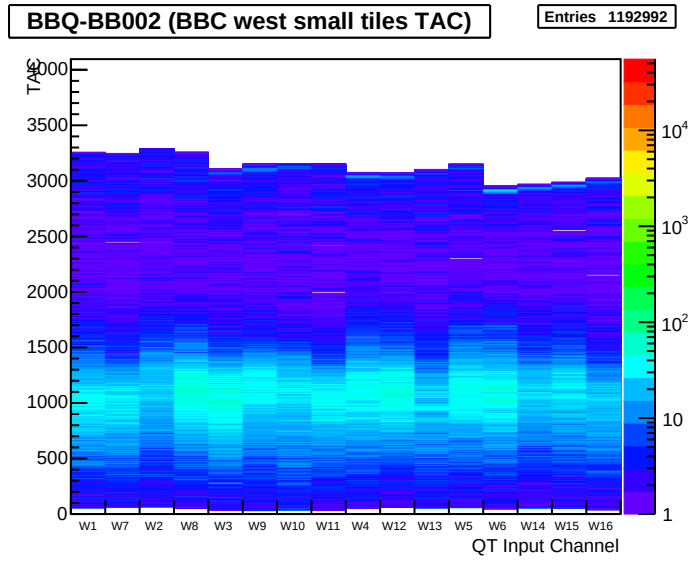

L2-TF201
Entries 521934
Threshold/UPC bits
1
0
63402
65072
63506
63708
63654
62994
70155
11160
9490
11056
10854
10908
11568
4407
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

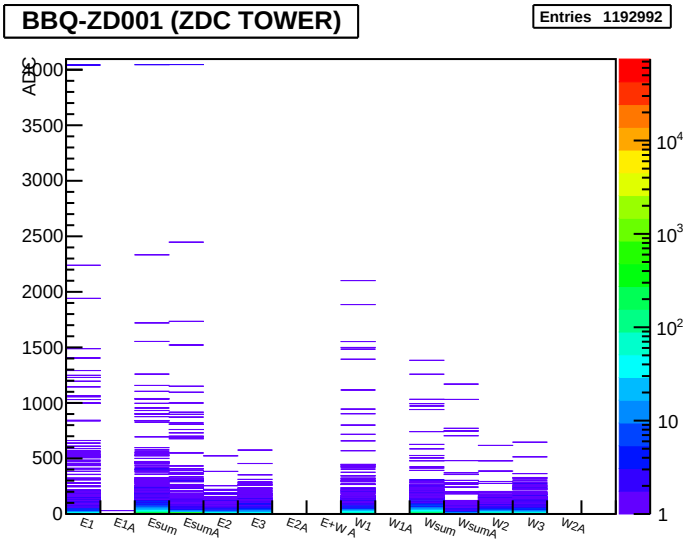

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

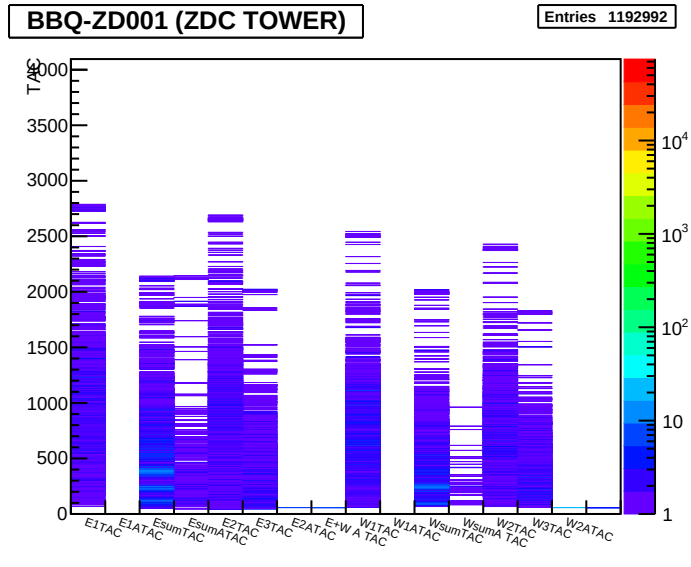

BBQ-BB001 (BBC east small tiles ADC)
Entries 1192992
ADC
QT Input Channel

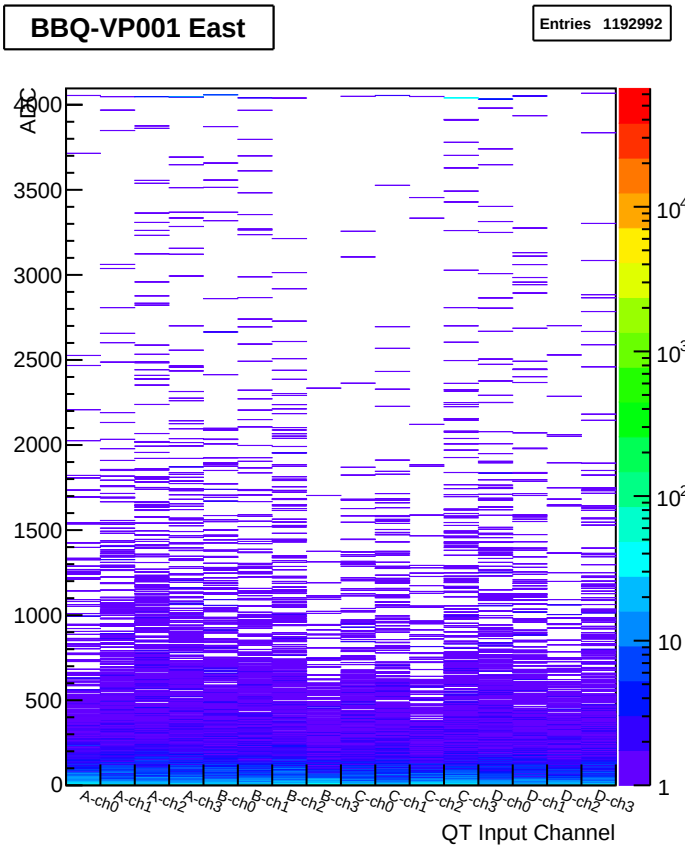

BBQ-BB001 (BBC east small tiles TAC)
Entries 1192992
TAC
QT Input Channel

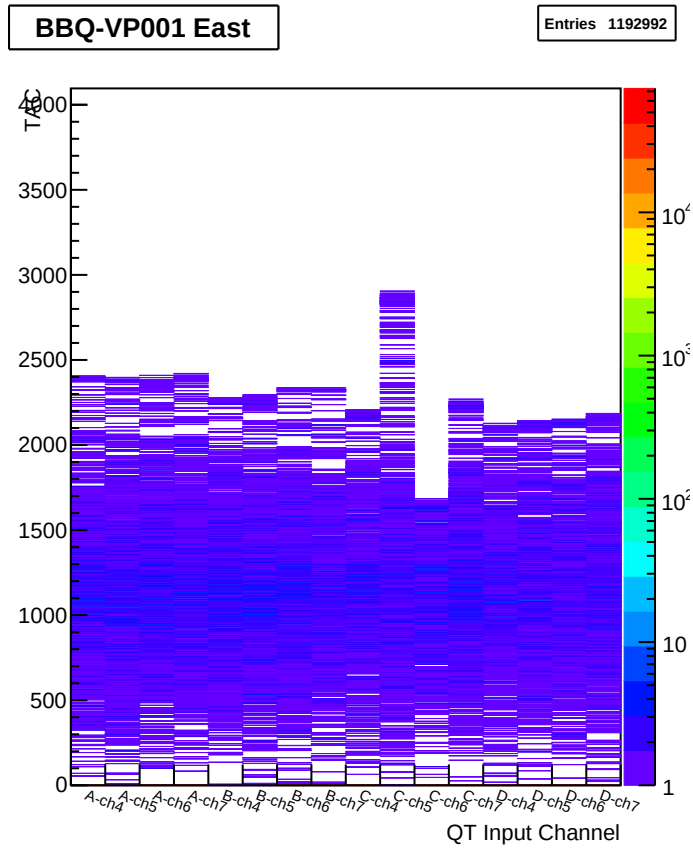

BBQ-BB002 (BBC west small tiles ADC)
Entries 1192992
ADC
QT Input Channel

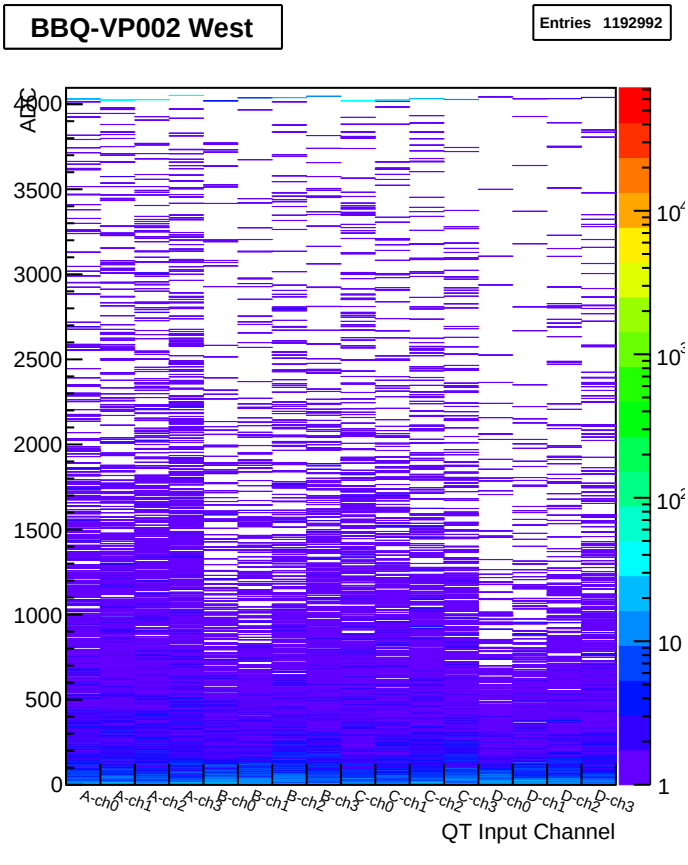

BBQ-BB002 (BBC west small tiles TAC)
Entries 1192992
TAC
QT Input Channel

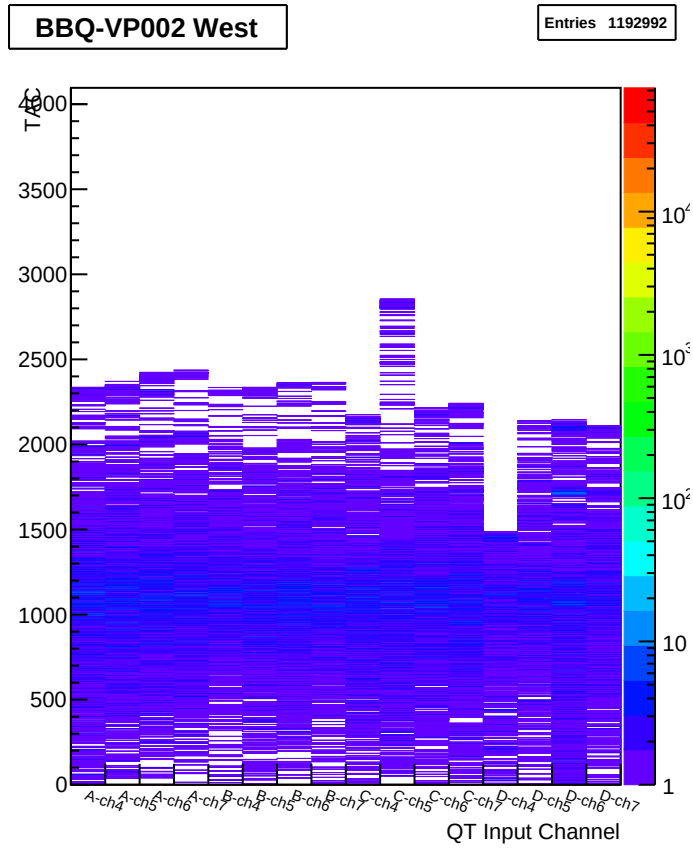

BBQ-ZD001 (ZDC TOWER)
Entries 1192992
ADC

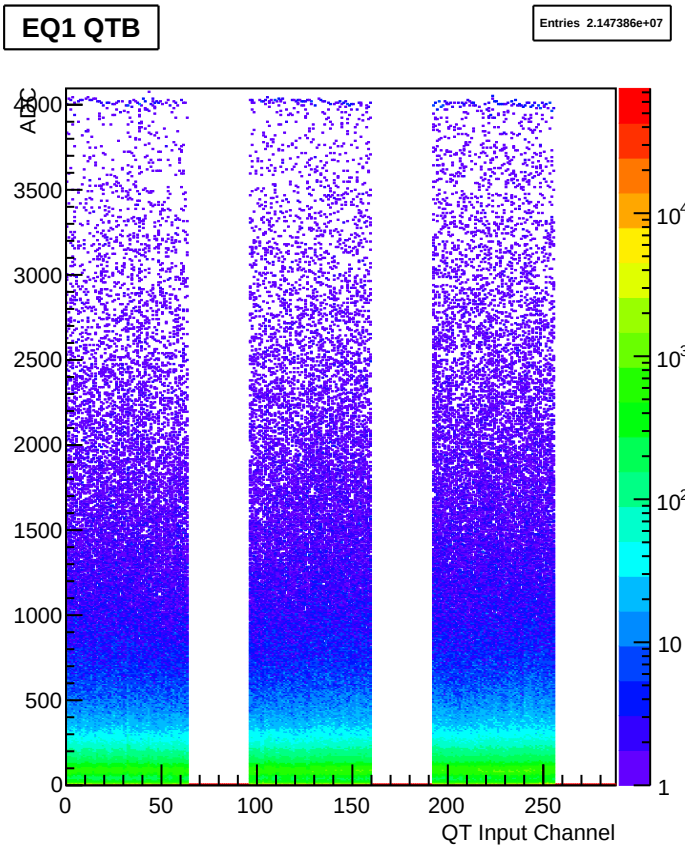

BBQ-ZD001 (ZDC TOWER)
Entries 1192992
TAC

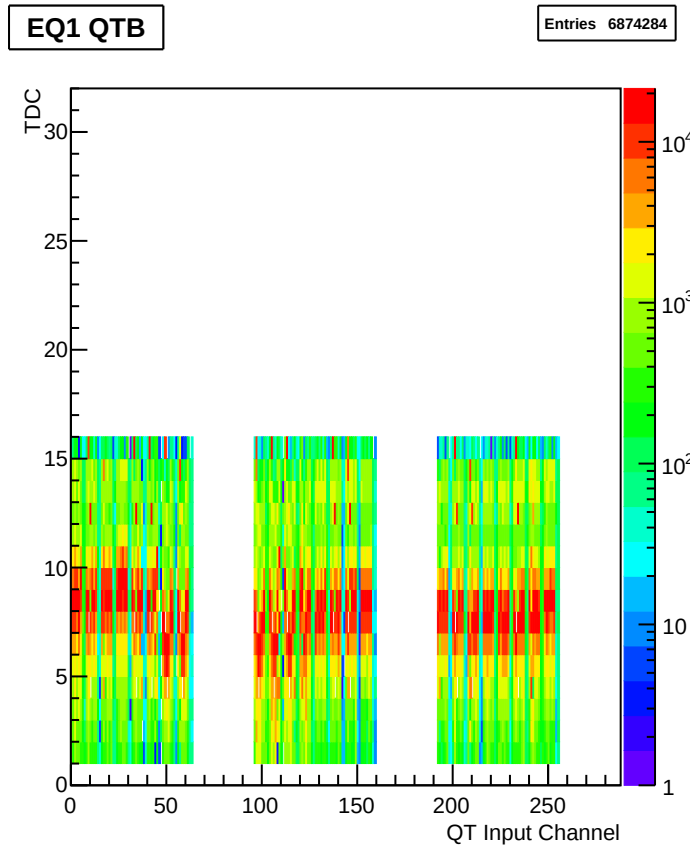

BBQ-VP001 East
Entries 1192992
ADC
QT Input Channel

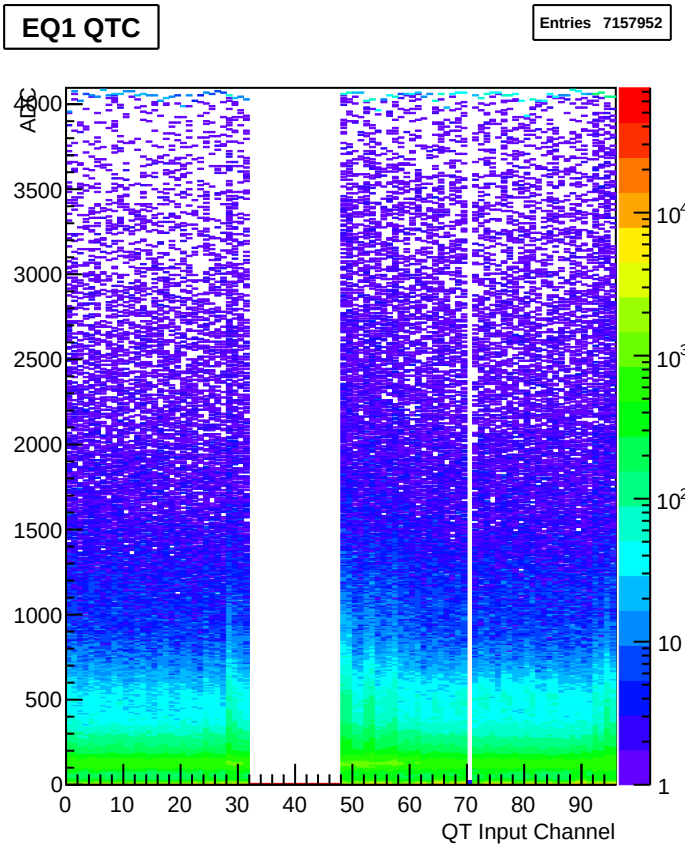

BBQ-VP001 East
Entries 1192992
TADC
QT Input Channel

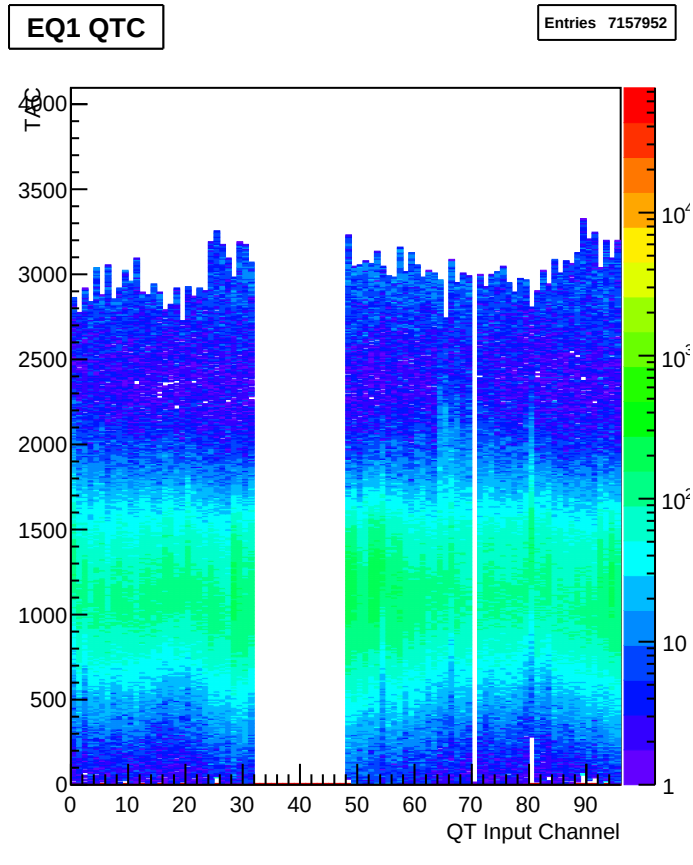

BBQ-VP002 West
Entries 1192992
ADC
QT Input Channel

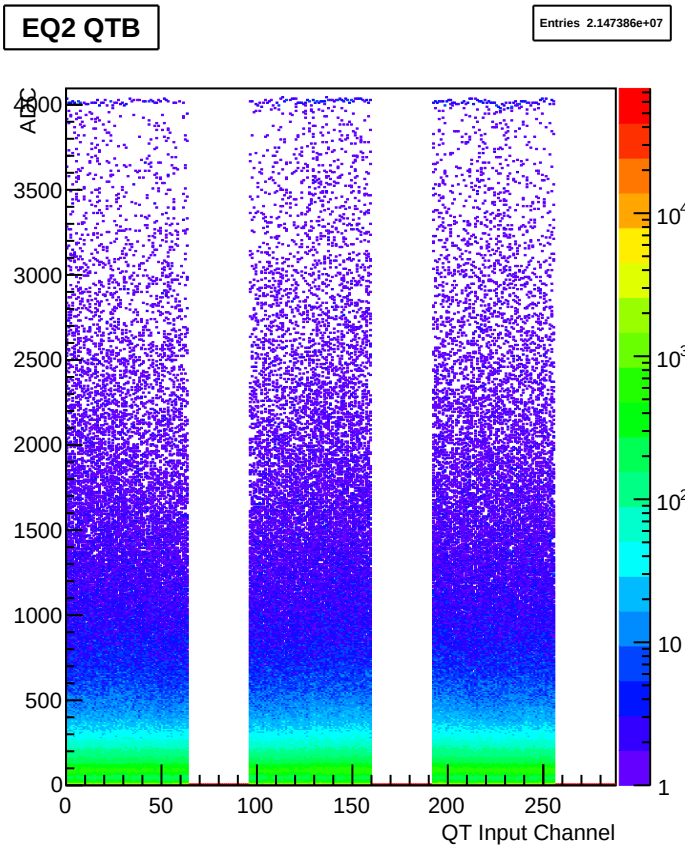

BBQ-VP002 West
Entries 1192992
TADC
QT Input Channel

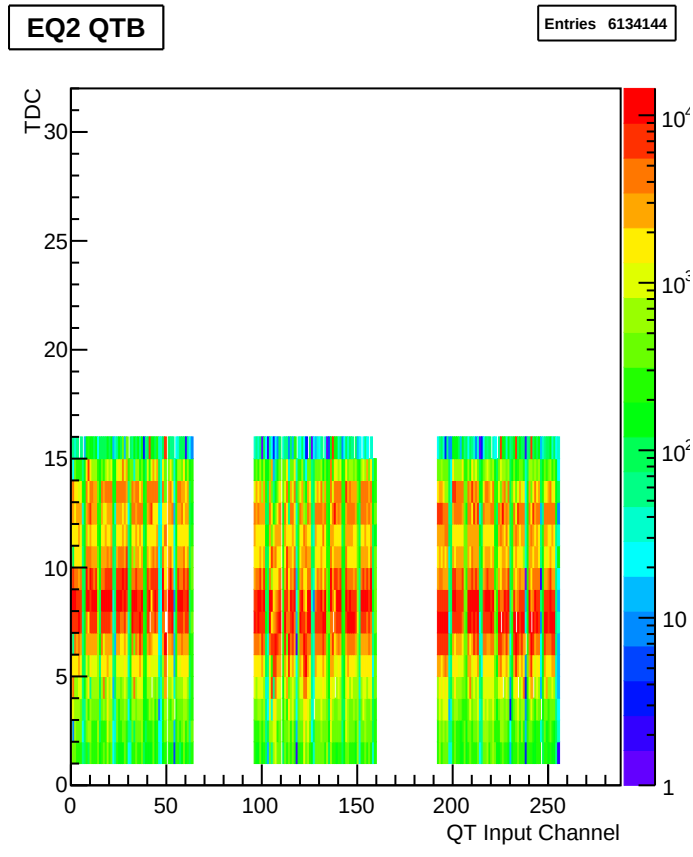

EQ1 QTB
Entries 2.147386e+07
ADC
QT Input Channel

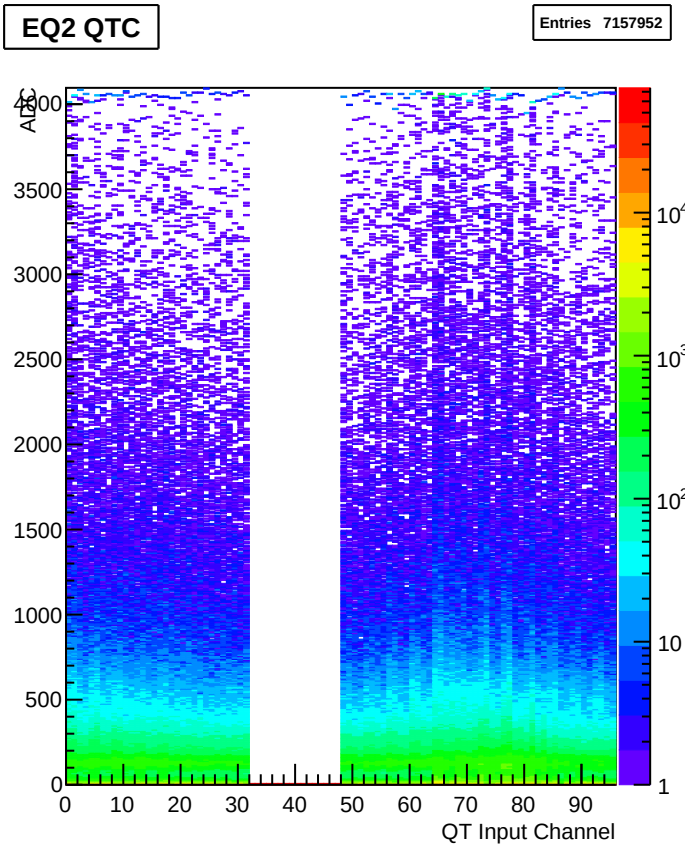

EQ1 QTB
Entries 6874284
TDC
QT Input Channel

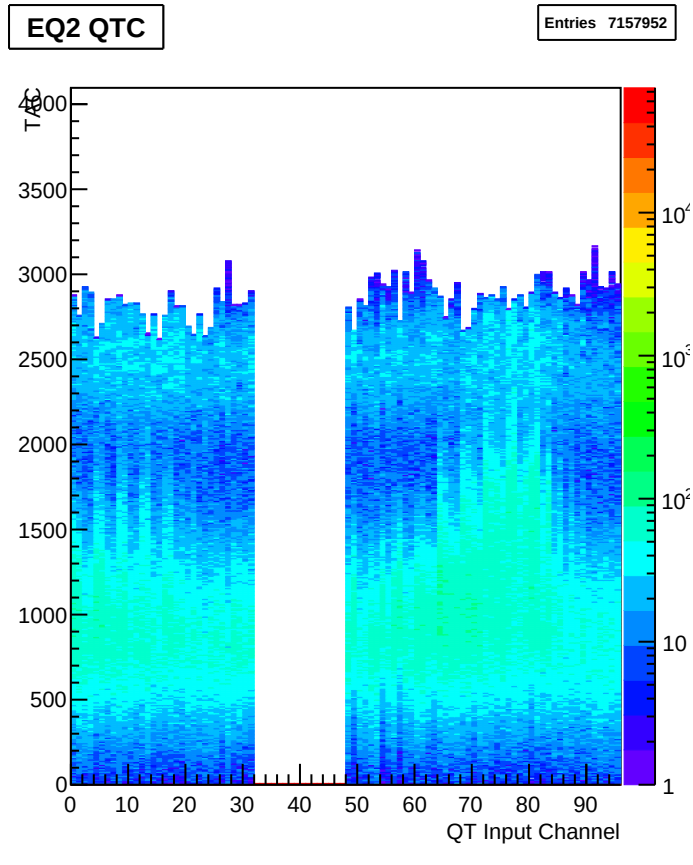

EQ1 QTC
Entries 7157952
ADC
QT Input Channel

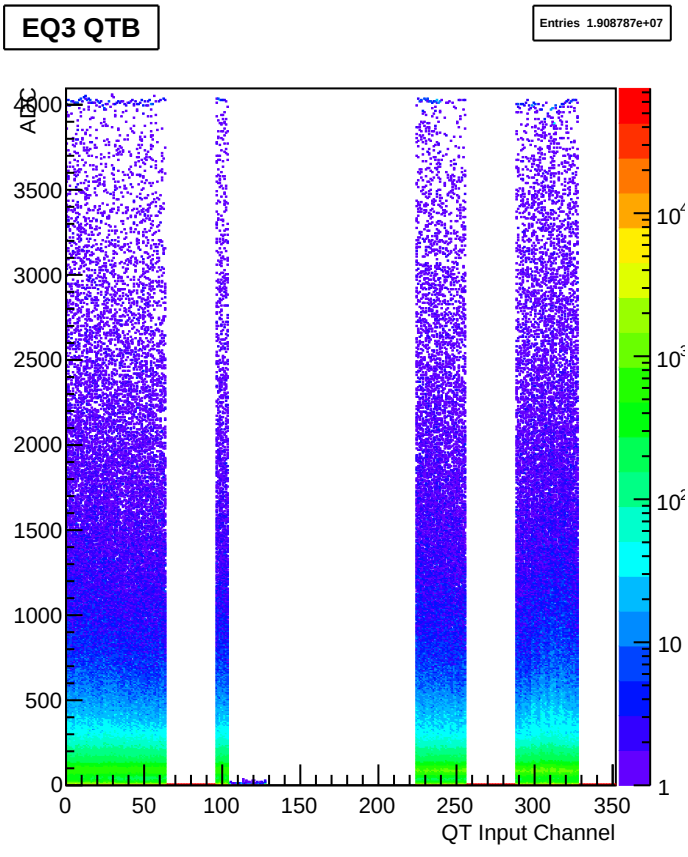

EQ1 QTC
Entries 7157952
TADC
QT Input Channel

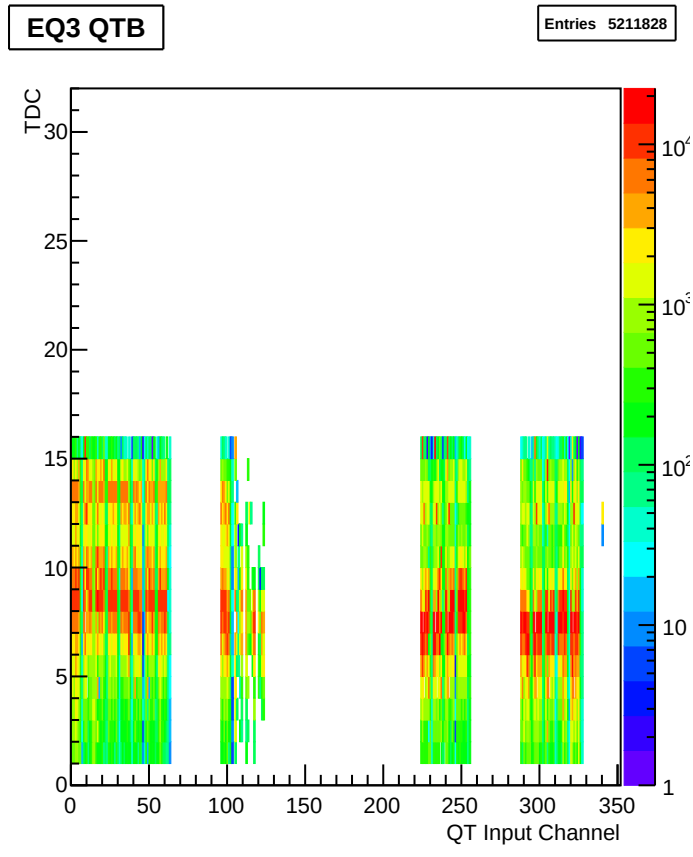

EQ2 QTB
Entries 2.147386e+07
ADC
QT Input Channel

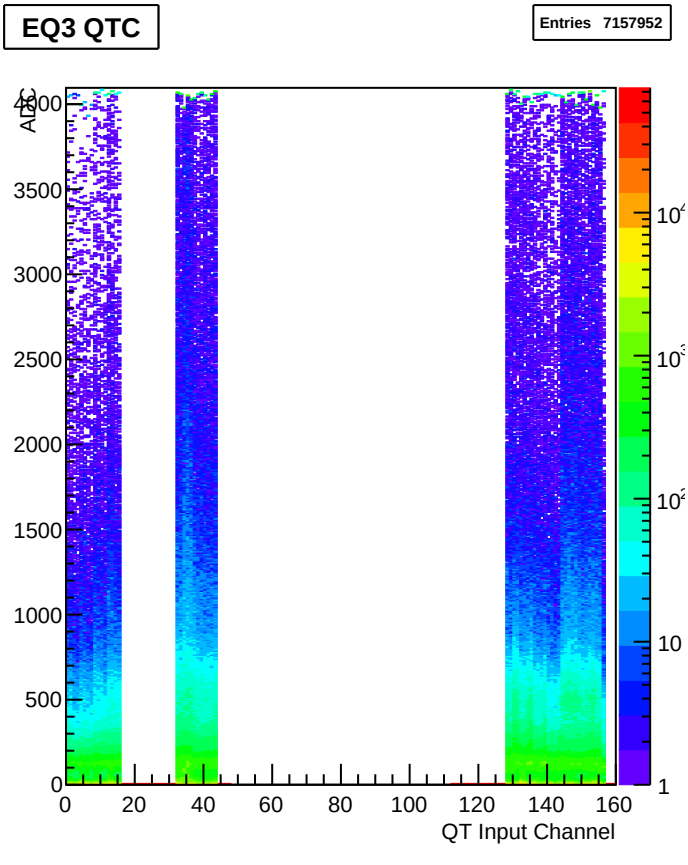

EQ2 QTB
Entries 6134144
TDC
QT Input Channel

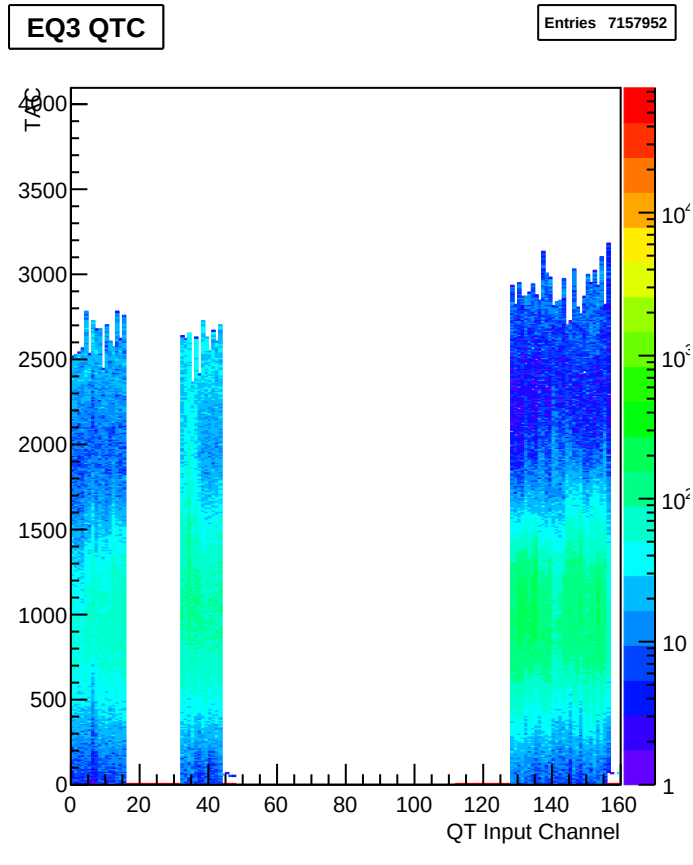

EQ2 QTC
Entries 7157952
ADC
QT Input Channel

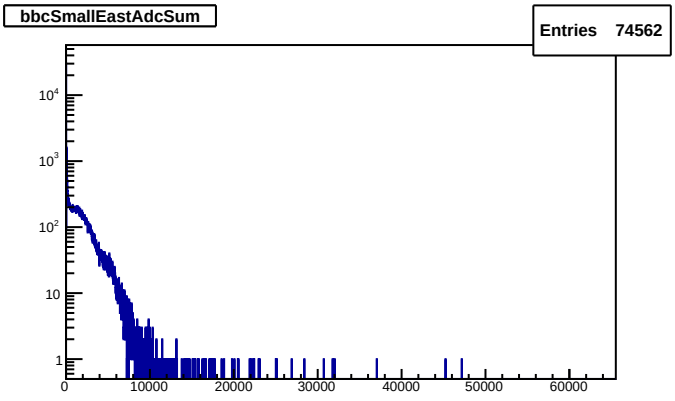

EQ2 QTC
Entries 7157952
TADC
QT Input Channel

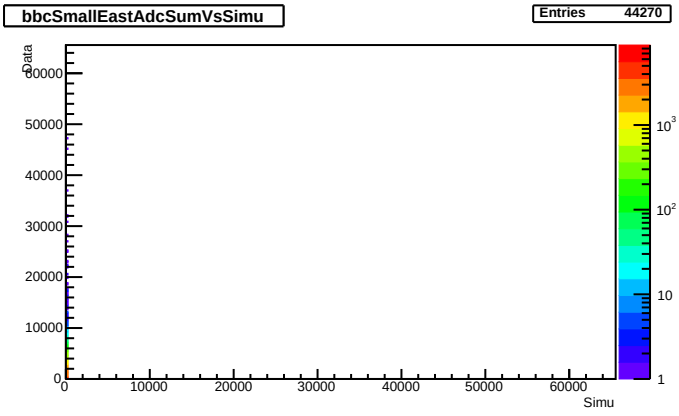

EQ3 QTB
Entries 1.908787e+07
ADC
QT Input Channel

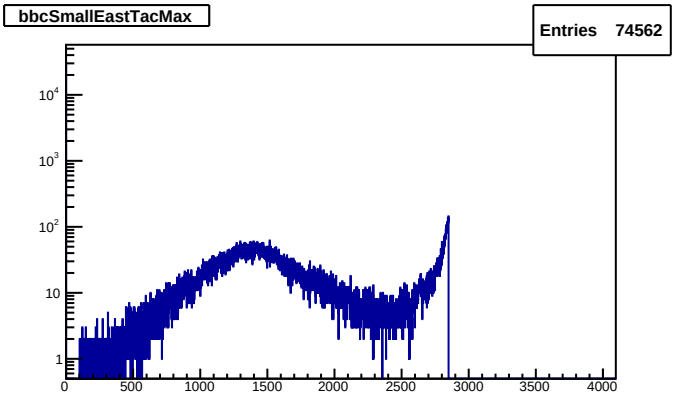

EQ3 QTB
Entries 5211828
TDC
QT Input Channel

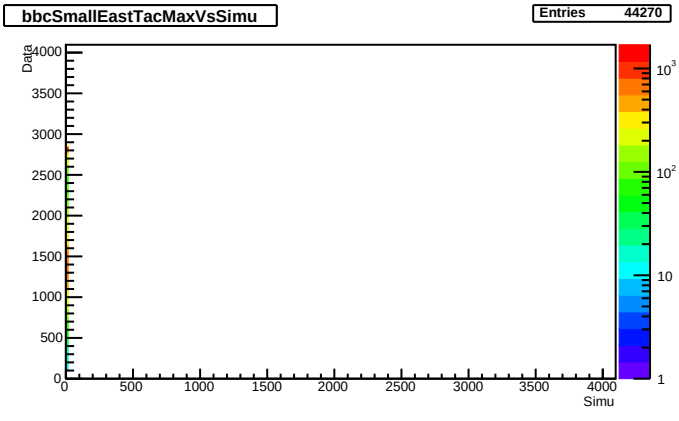

EQ3 QTC
Entries 7157952
ADC
QT Input Channel

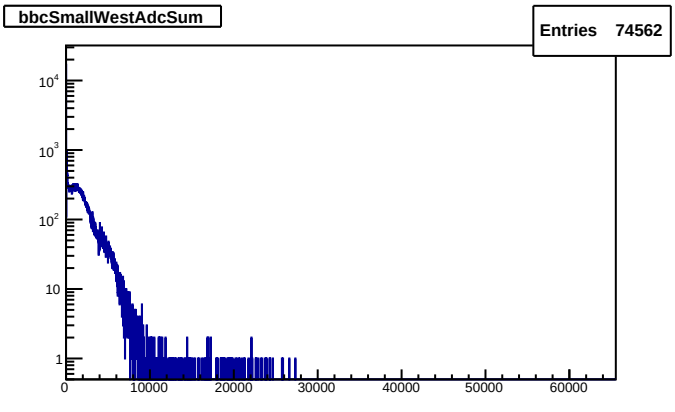

EQ3 QTC
Entries 7157952
TADC
QT Input Channel

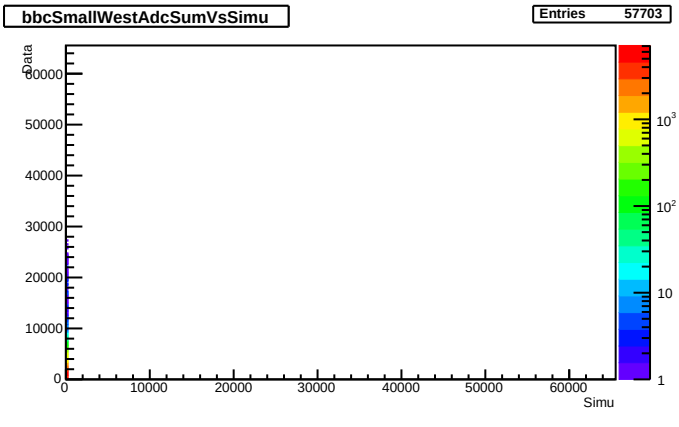

bbcSmallEastAdcSum
Entries 74562

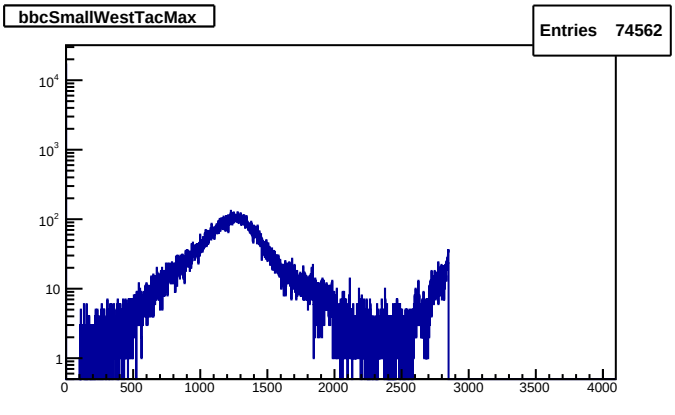

bbcSmallEastAdcSumVsSimu
Entries 44270
Data
Simu

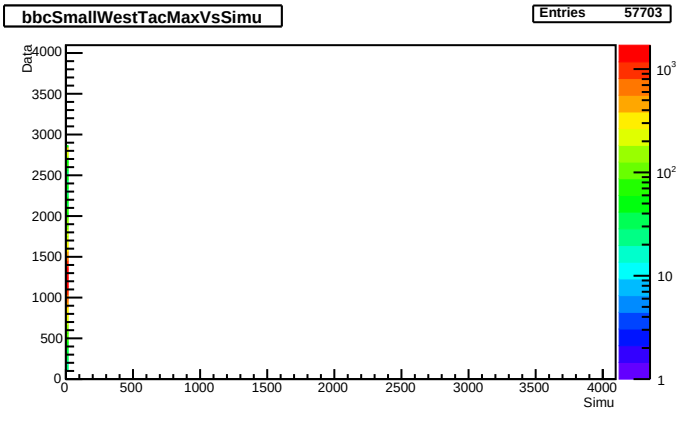

bbcSmallEastTacMax
Entries 74562

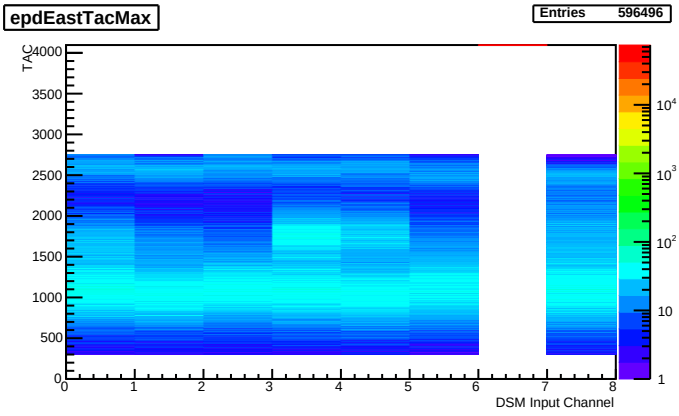

bbcSmallEastTacMaxVsSimu
Entries 44270
Data
Simu

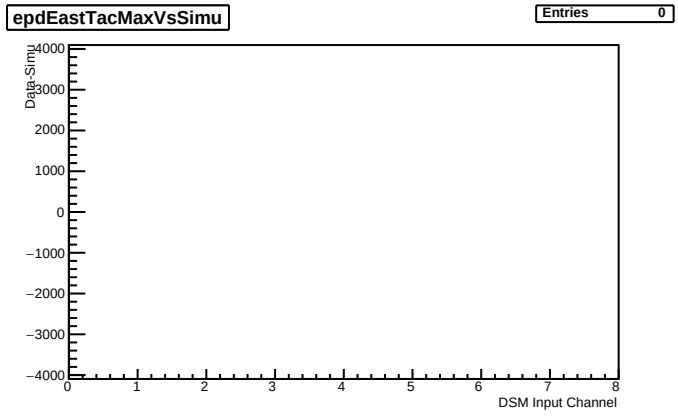

bbcSmallWestAdcSum
Entries 74562

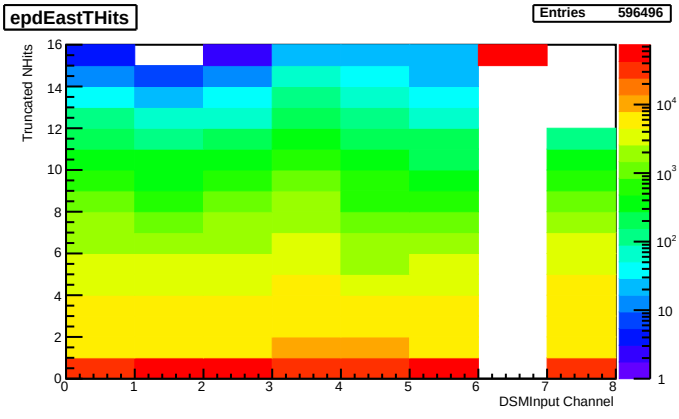

bbcSmallWestAdcSumVsSimu
Entries 57703
Data
Simu

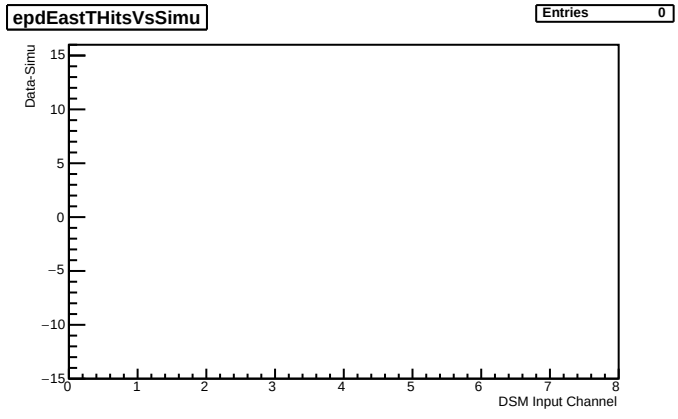

bbcSmallWestTacMax
Entries 74562

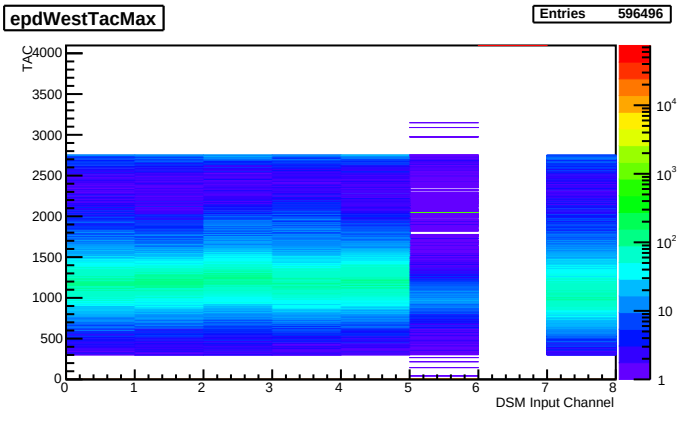

bbcSmallWestTacMaxVsSimu
Entries 57703
Data
Simu

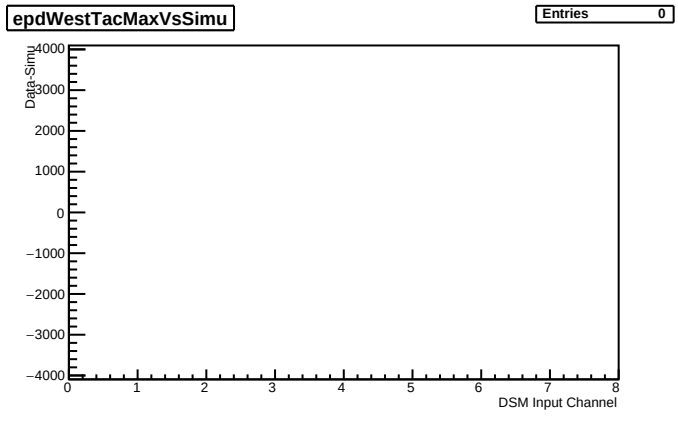

epdEastTacMax
Entries 596496
TAC
DSM Input Channel

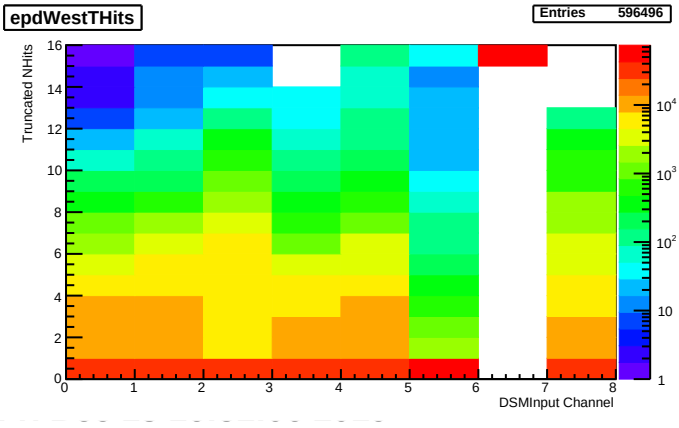

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

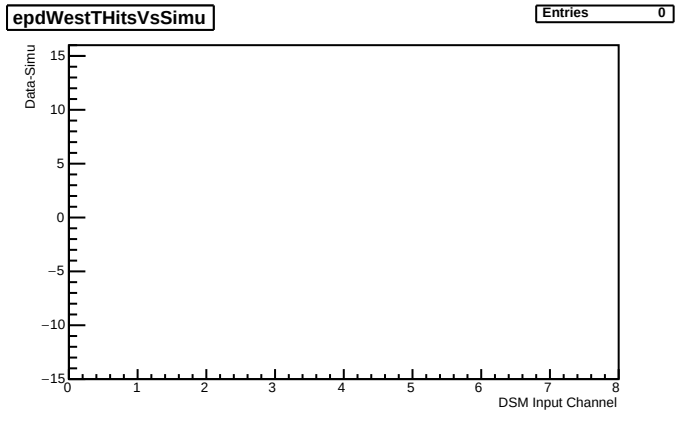

epdEastTHits
Entries 596496
Truncated NHits
DSMInput Channel

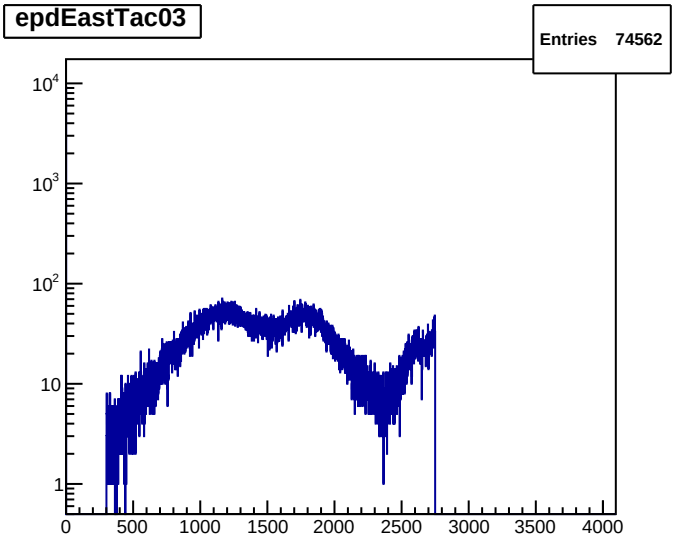

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

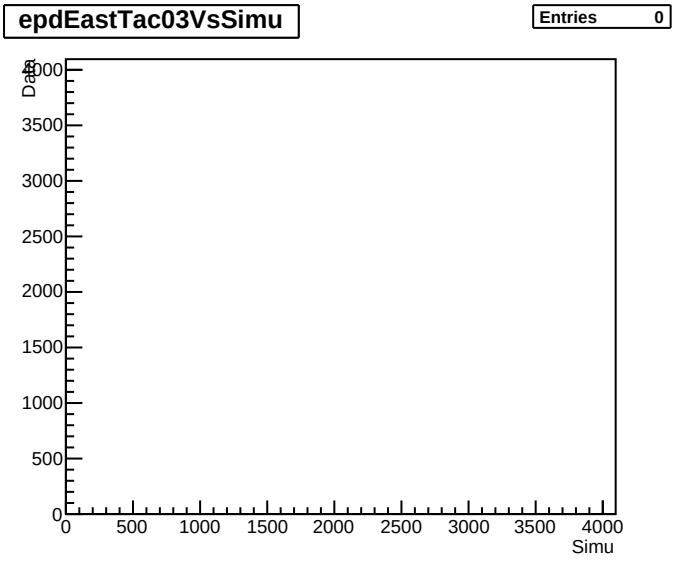

epdWestTacMax
Entries 596496
TAC
DSM Input Channel

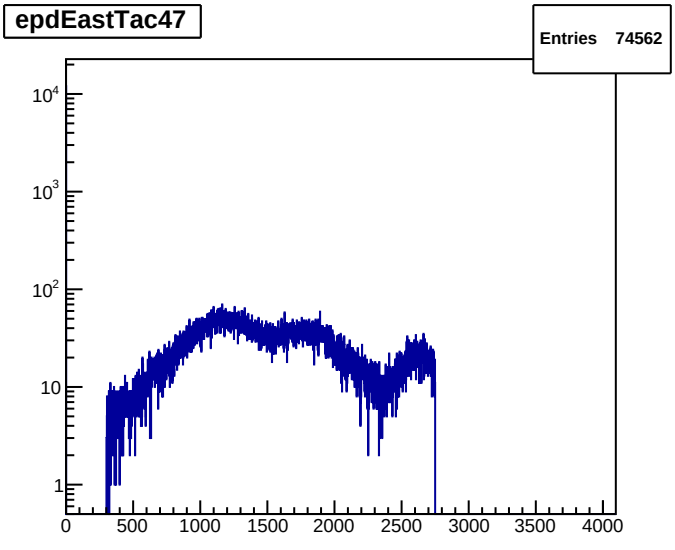

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

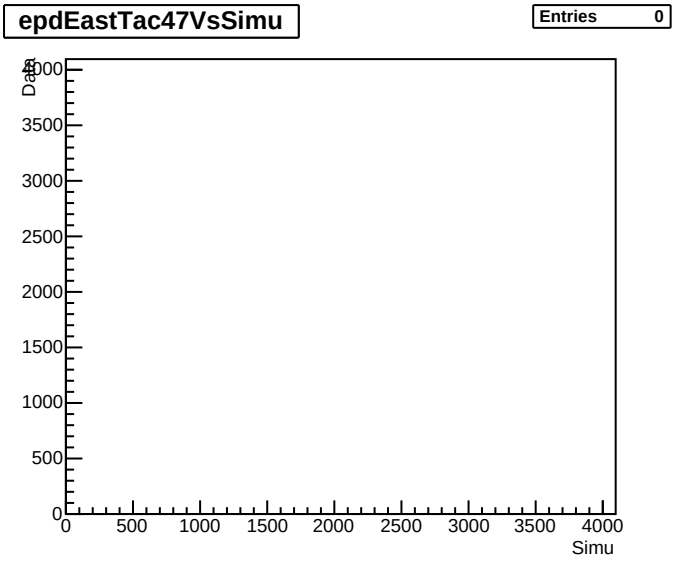

epdWestTHits
Entries 596496
Truncated NHits
DSMInput Channel

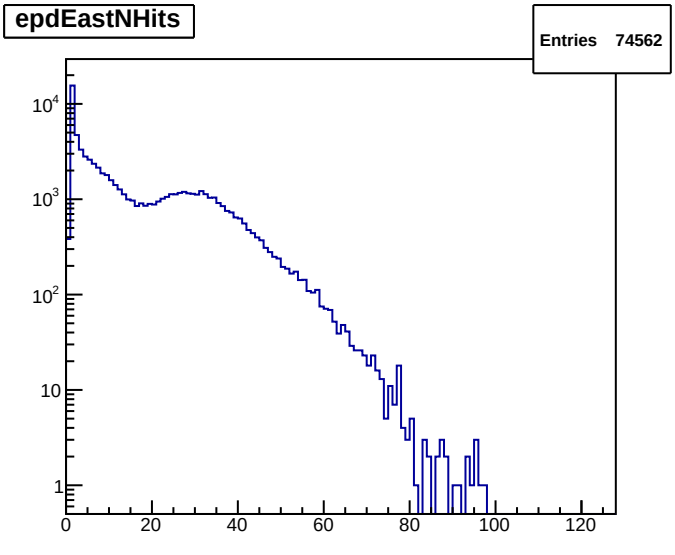

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

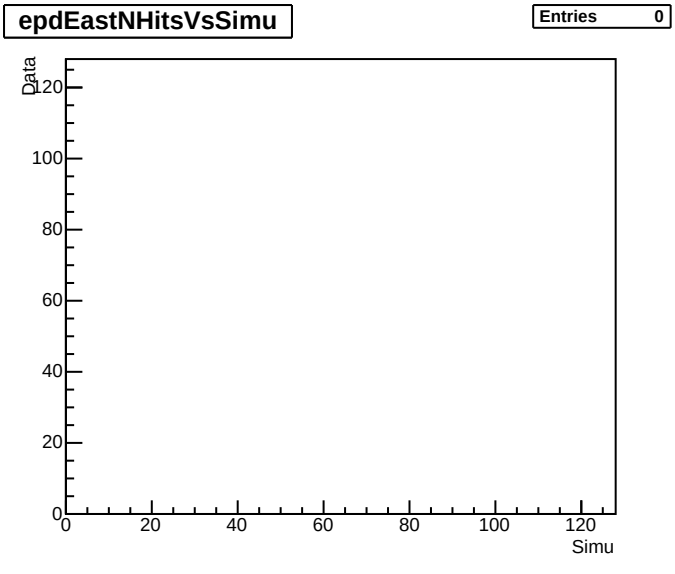

epdEastTac03
Entries 74562

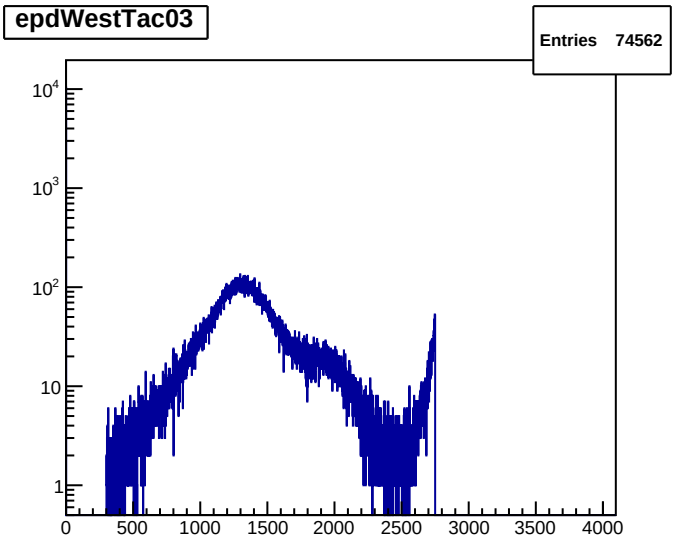

epdEastTac03VsSimu
Entries 0
Data
Simu

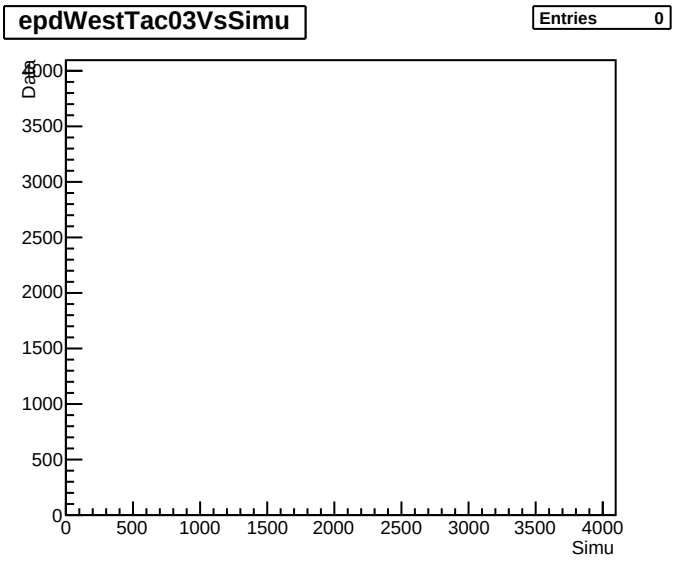

epdEastTac47
Entries 74562

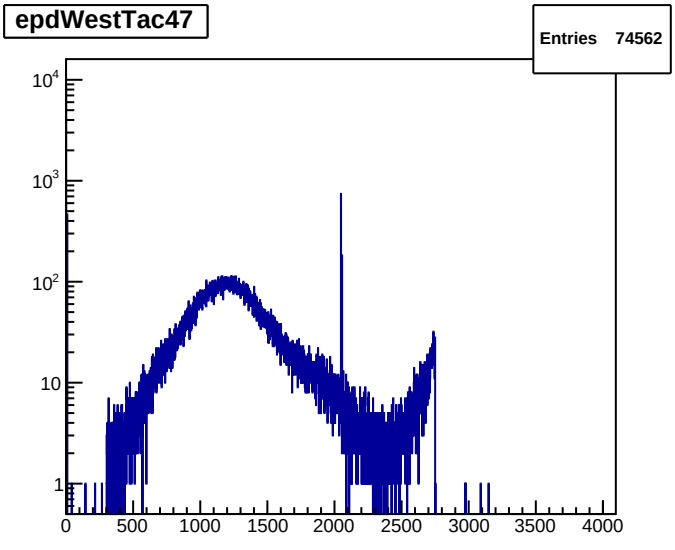

epdEastTac47VsSimu
Entries 0
Data
Simu

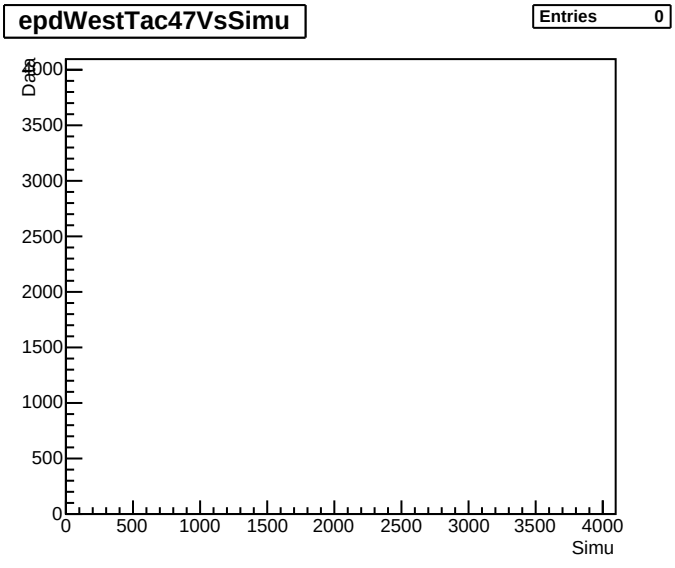

epdEastNHits
Entries 74562

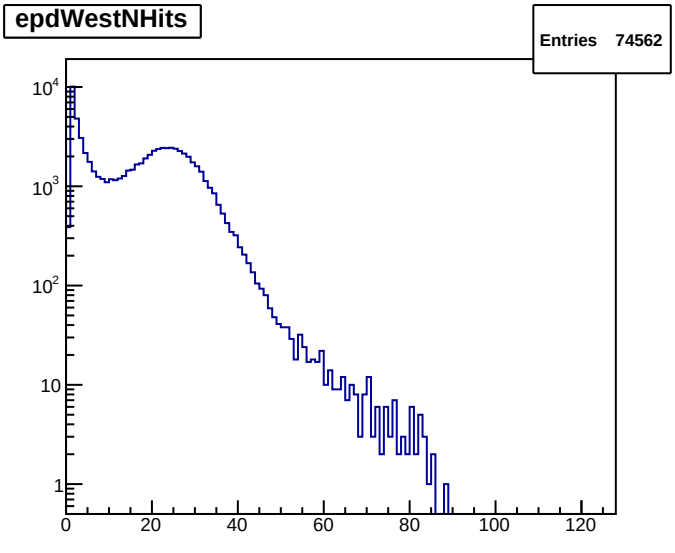

epdEastNHitsVsSimu
Entries 0
Data
Simu

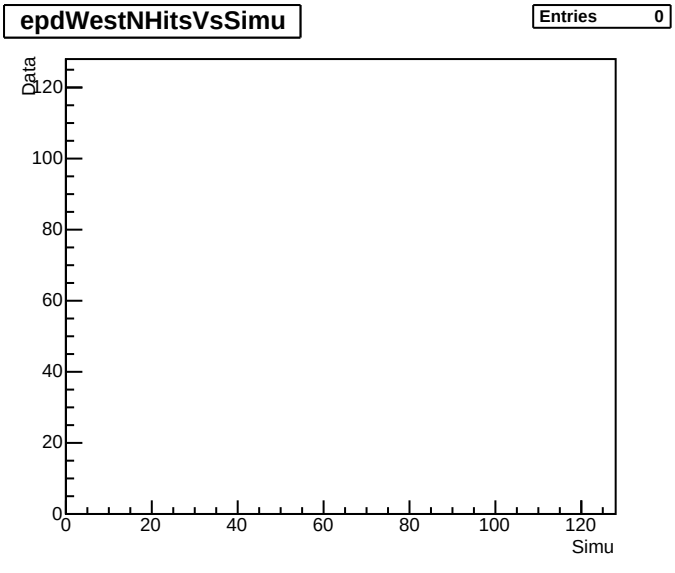

epdWestTac03
Entries 74562

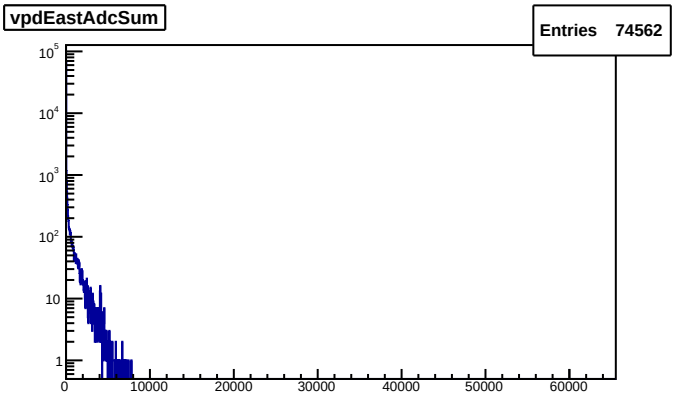

epdWestTac03VsSimu
Entries 0
Data
Simu

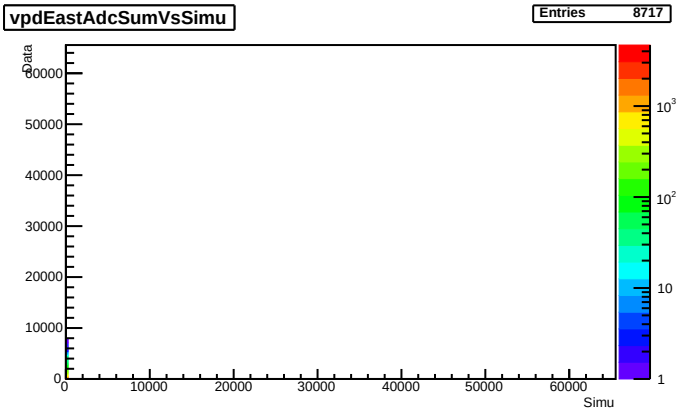

epdWestTac47
Entries 74562

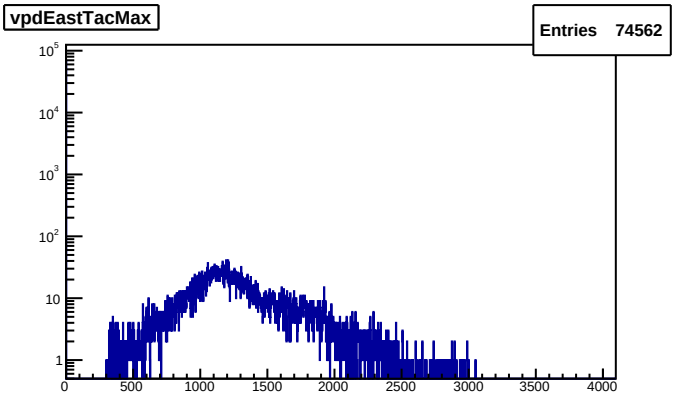

epdWestTac47VsSimu
Entries 0
Data
Simu

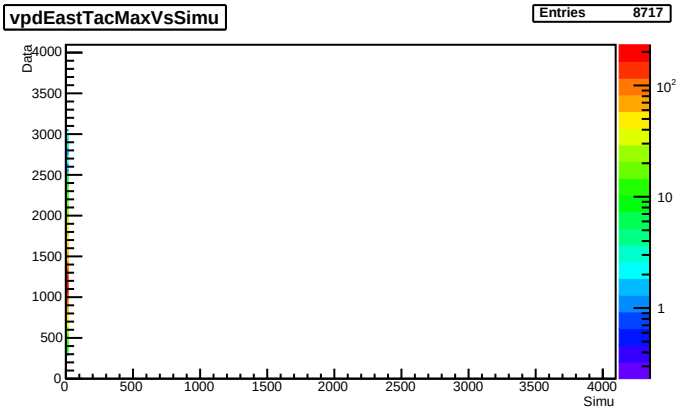

epdWestNHits
Entries 74562

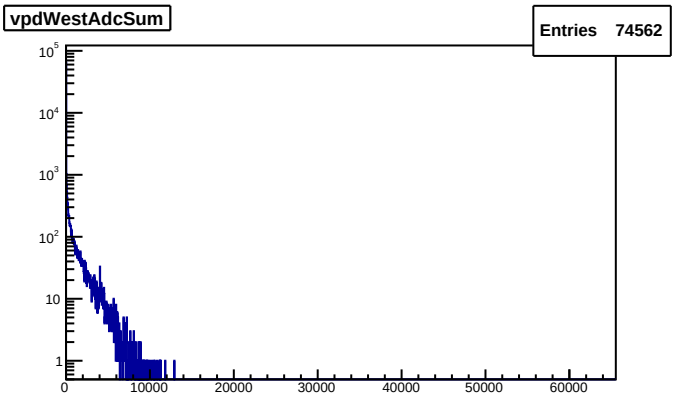

epdWestNHitsVsSimu
Entries 0
Data
Simu

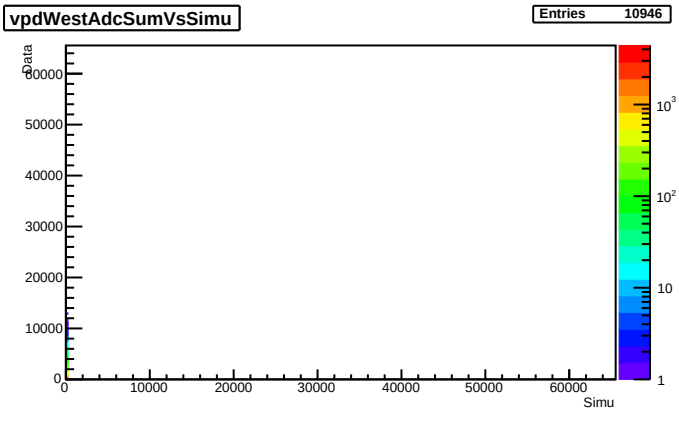

vpdEastAdcSum
Entries 74562

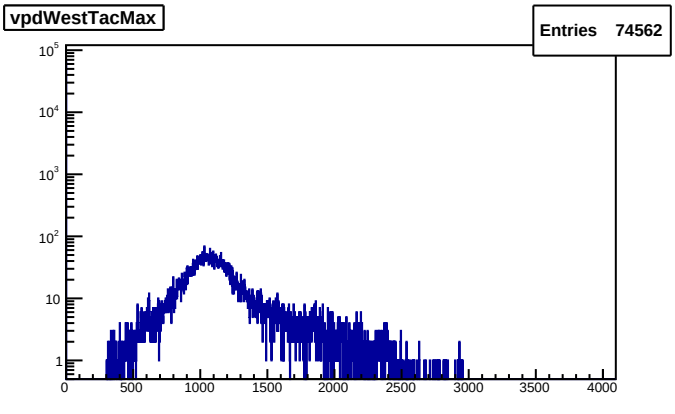

vpdEastAdcSumVsSimu
Entries 8717
Data
Simu

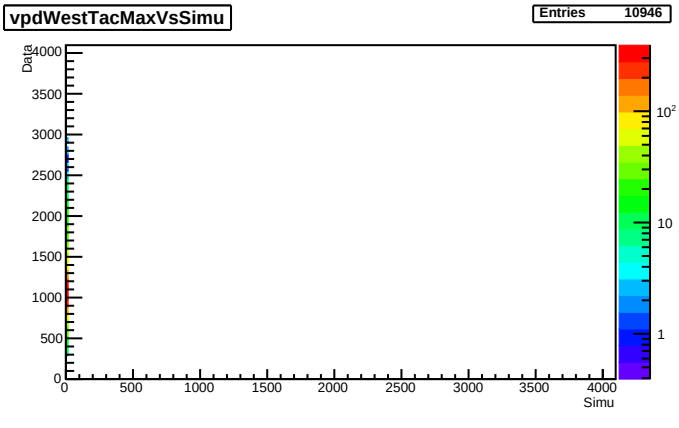

vpdEastTacMax
Entries 74562

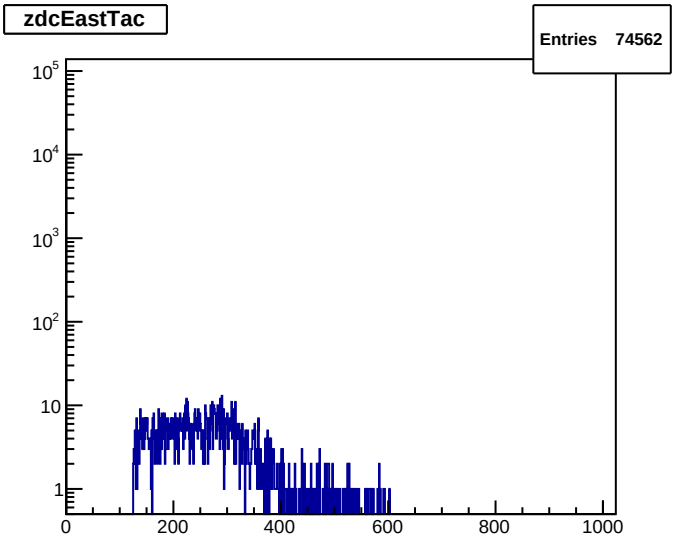

vpdEastTacMaxVsSimu
Entries 8717
Data
Simu

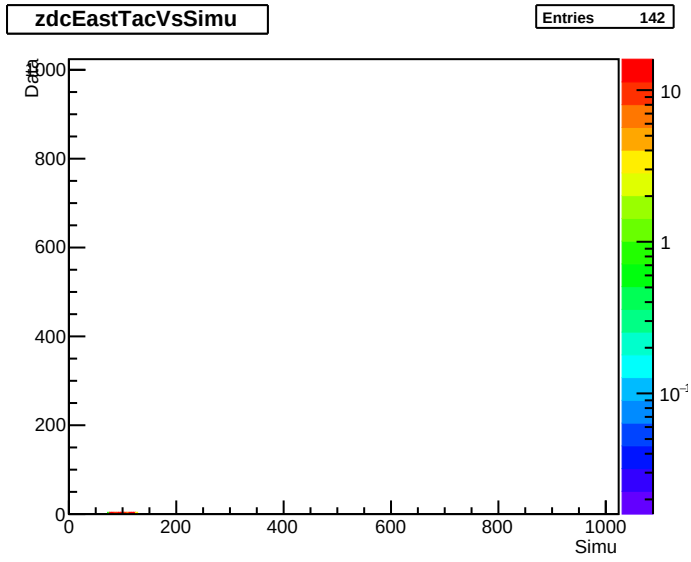

vpdWestAdcSum
Entries 74562

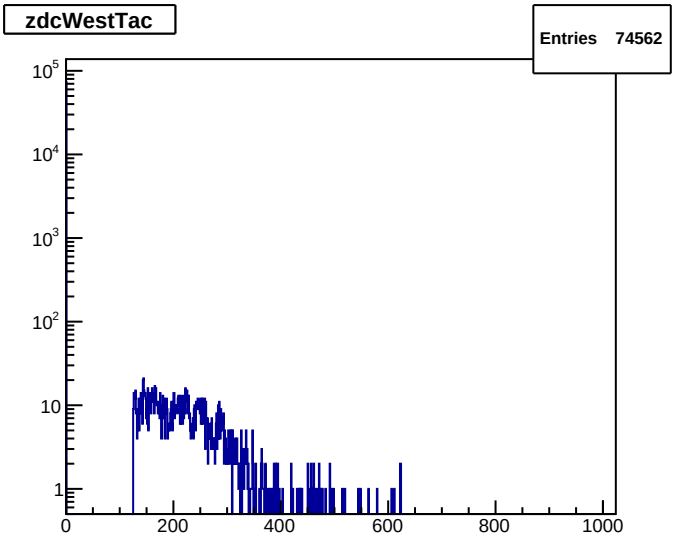

vpdWestAdcSumVsSimu
Entries 10946
Data
Simu

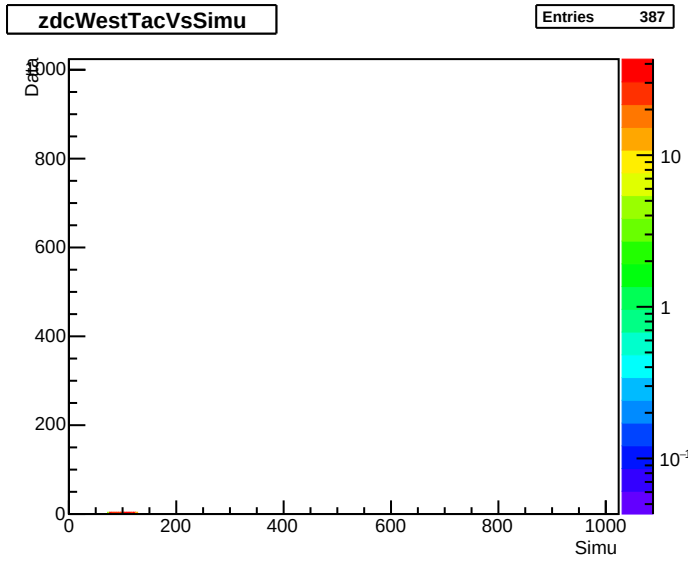

vpdWestTacMax
Entries 74562

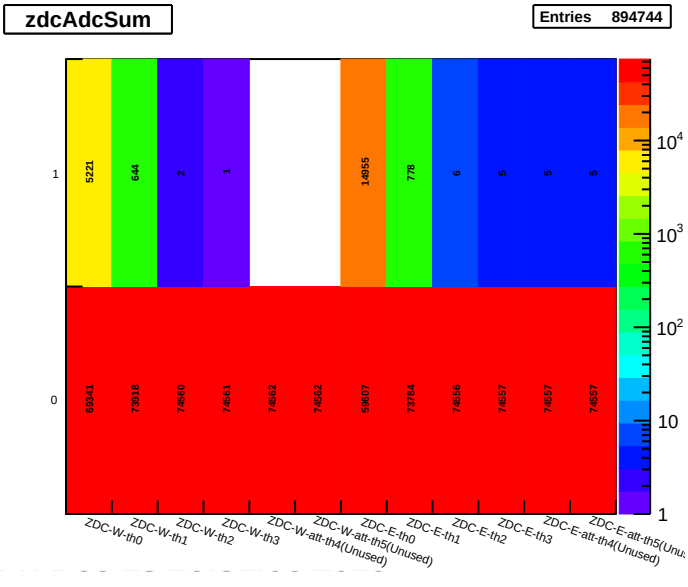

vpdWestTacMaxVsSimu
Entries 10946
Data
Simu

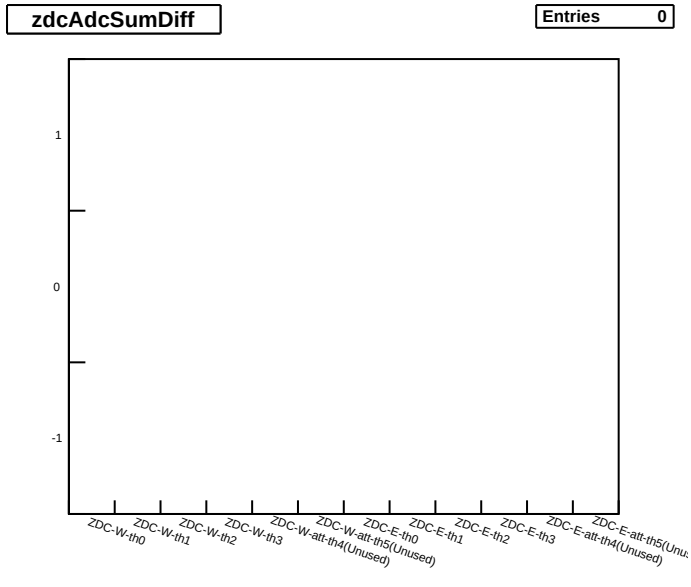

zdcEastTac
Entries 74562

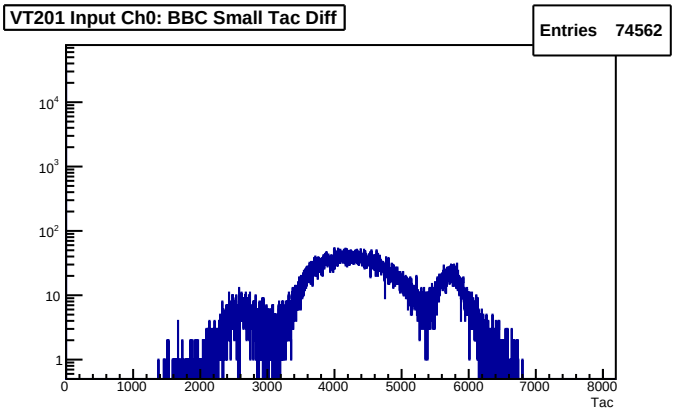

zdcEastTacVsSimu
Entries 142
Data
Simu

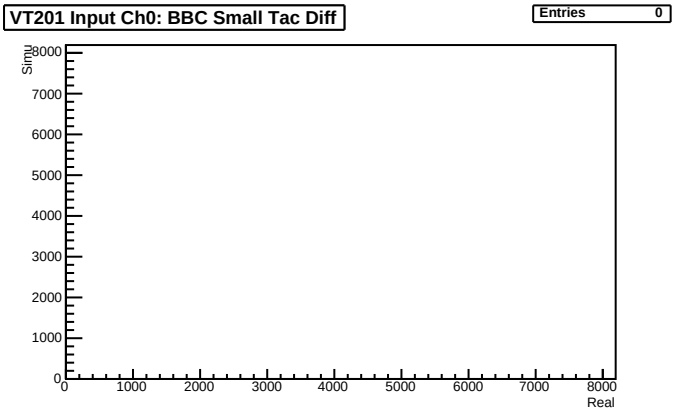

zdcWestTac
Entries 74562

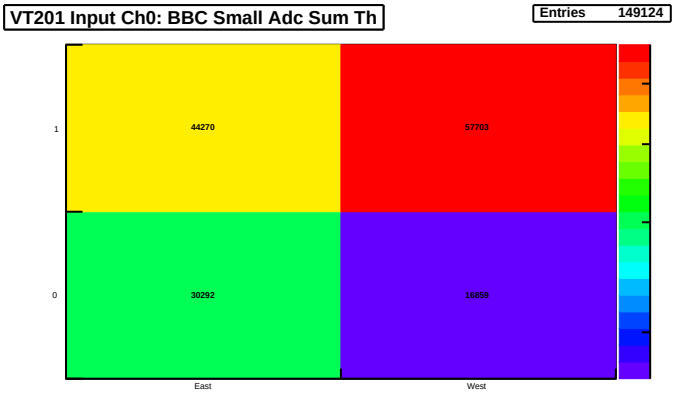

zdcWestTacVsSimu
Entries 387
Data
Simu

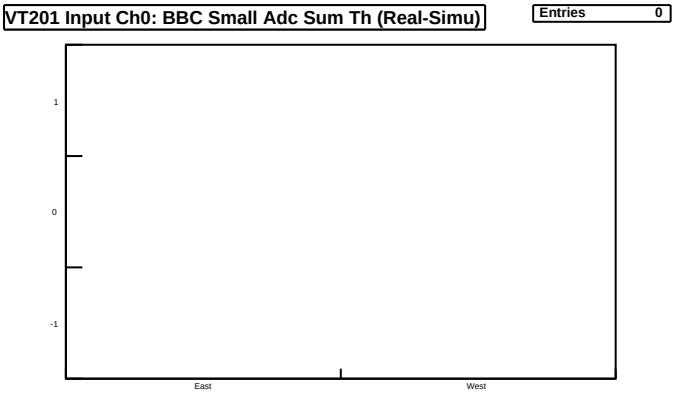

zdcAdcSum
Entries 894744
5221
644
2
1
14955
778
6
5
5
5
69341
73918
74560
74561
74562
74562
59607
73784
74556
74557
74557
74557
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

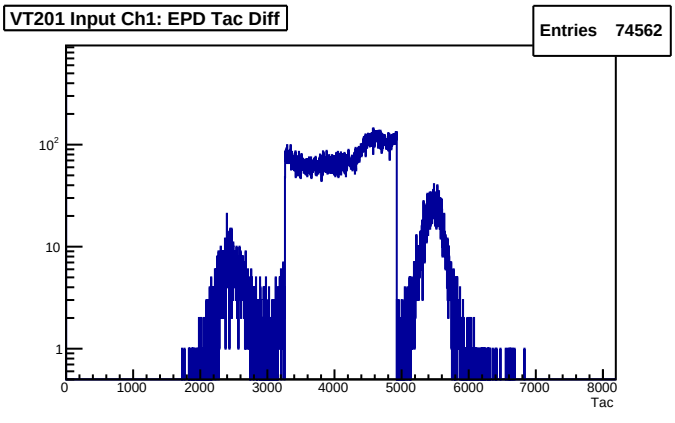

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

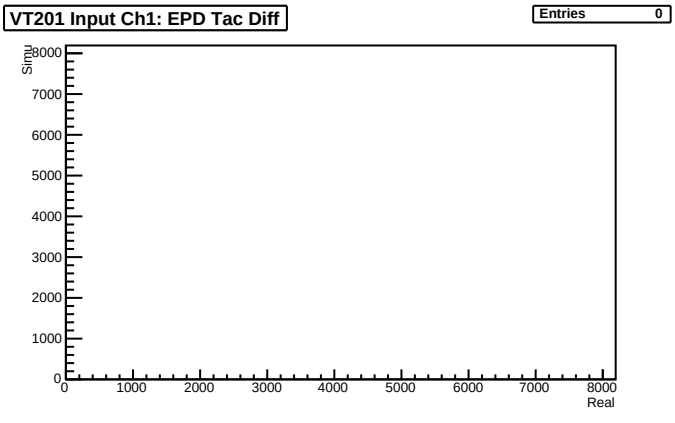

VT201 Input Ch0: BBC Small Tac Diff
Entries 74562
Tac

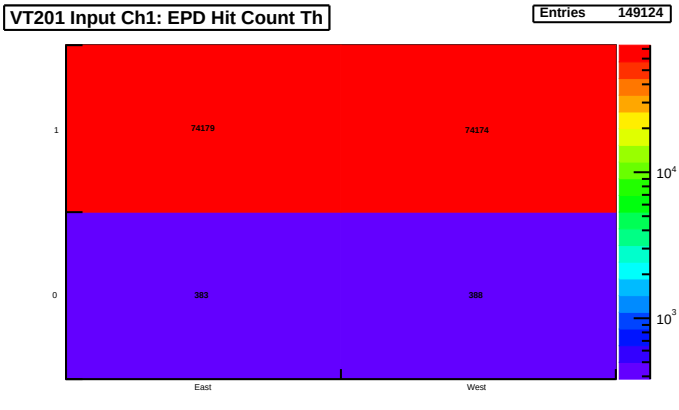

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

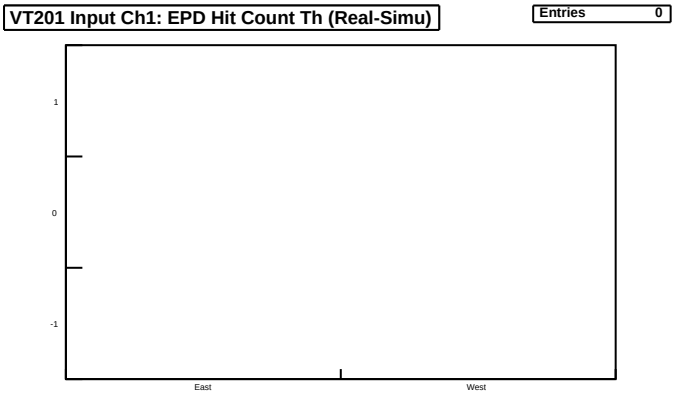

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 149124
44270
57703
30292
16859
East
West

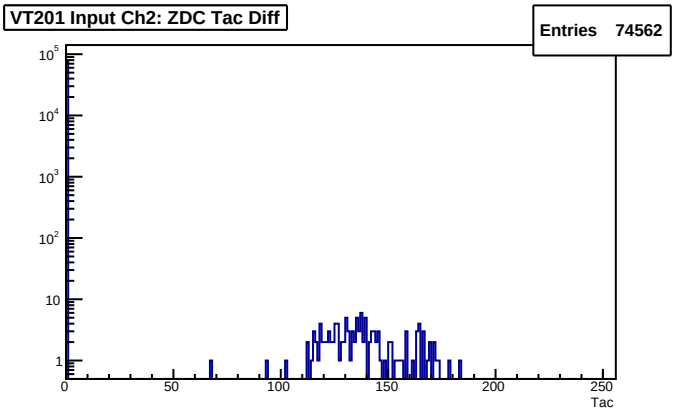

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

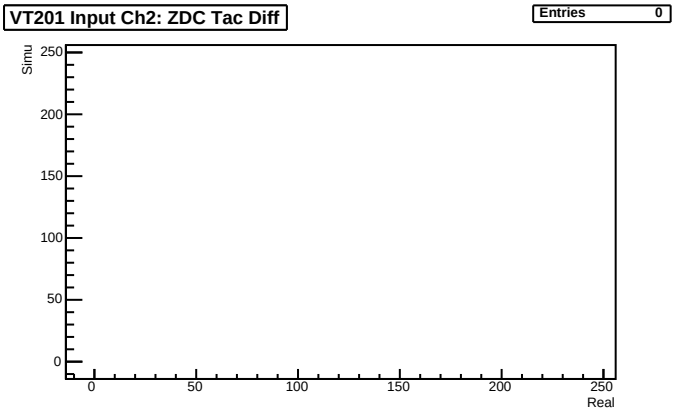

VT201 Input Ch1: EPD Tac Diff
Entries 74562
Tac

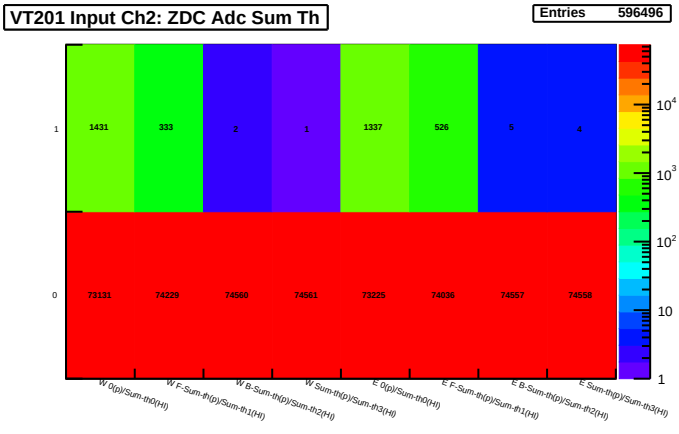

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

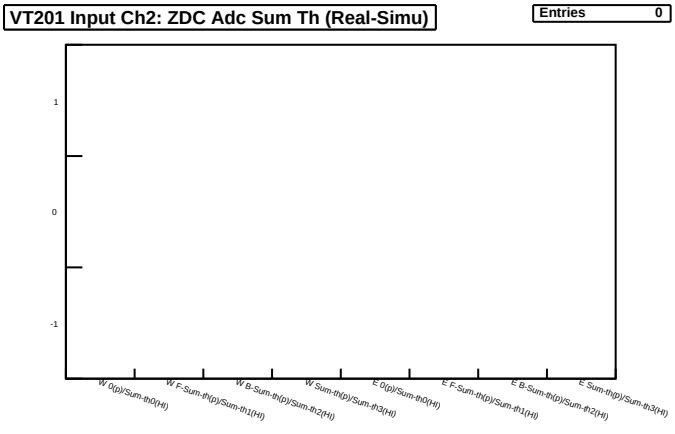

VT201 Input Ch1: EPD Hit Count Th
Entries 149124
74179
74174
383
388
East
West

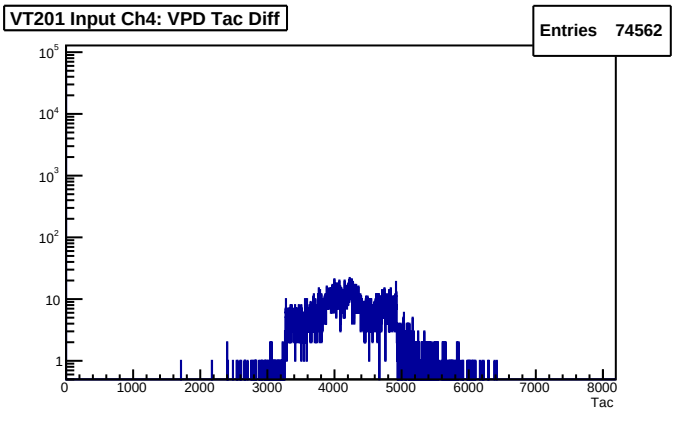

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

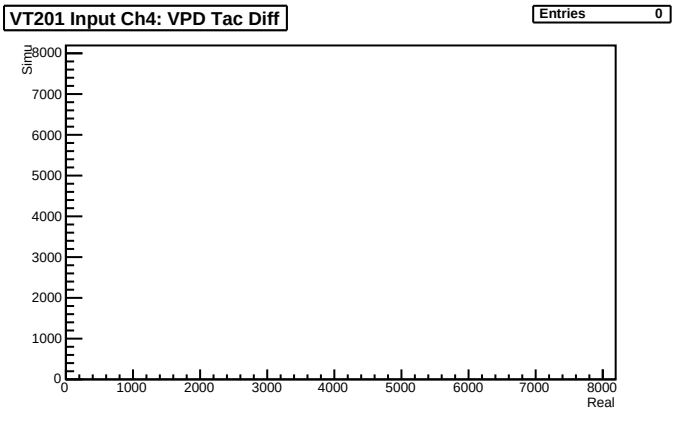

VT201 Input Ch2: ZDC Tac Diff
Entries 74562
Tac

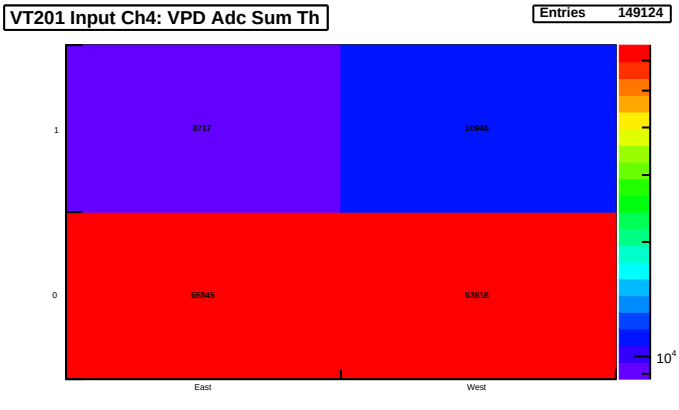

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

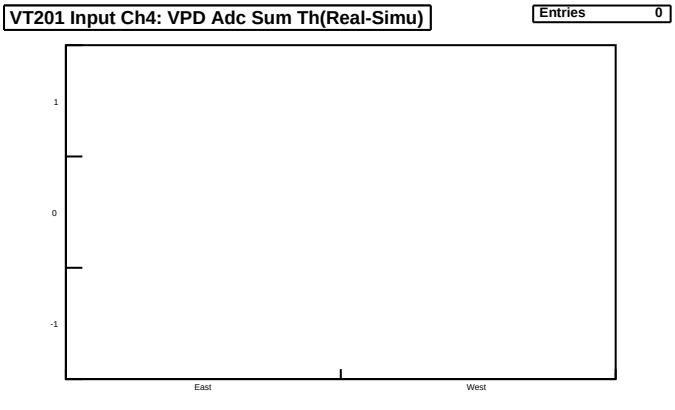

VT201 Input Ch2: ZDC Adc Sum Th
Entries 596496
1431
333
2
1
1337
526
5
4
73131
74229
74560
74561
73225
74036
74557
74558
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

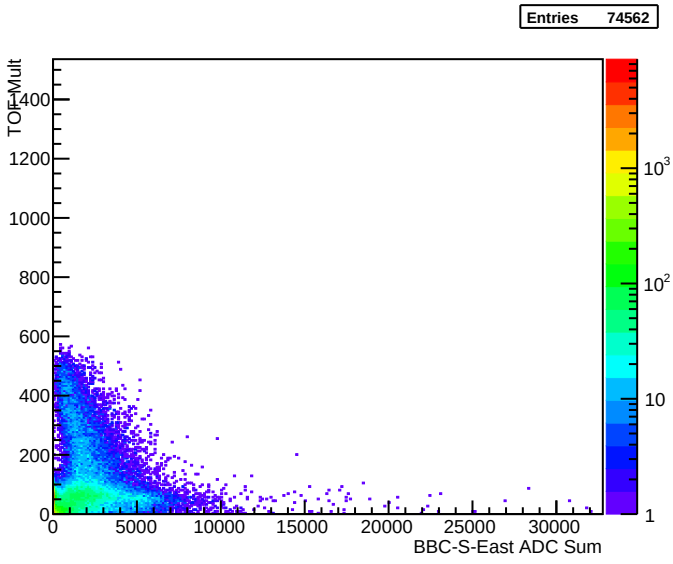

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

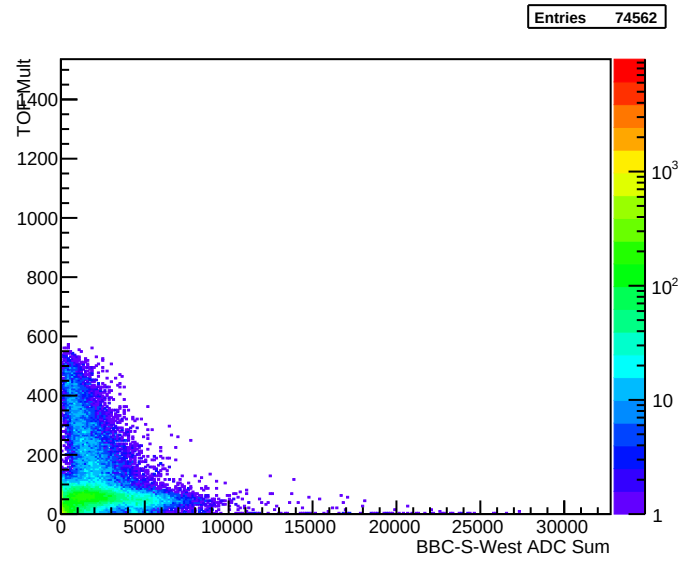

VT201 Input Ch4: VPD Tac Diff
Entries 74562
Tac

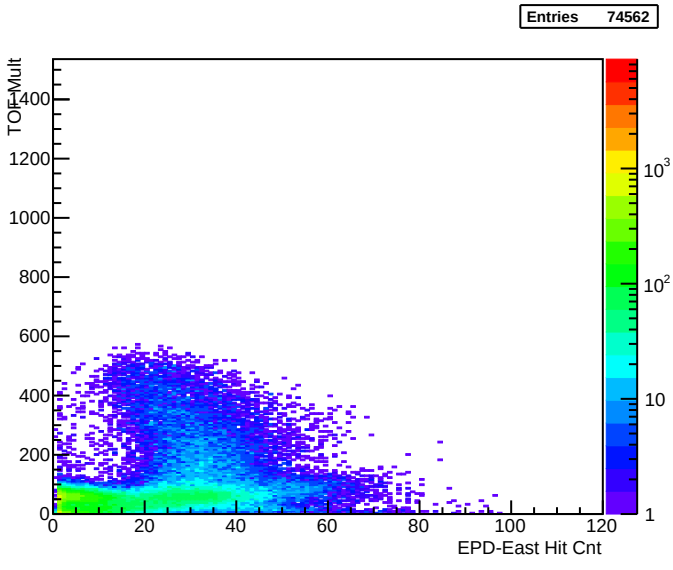

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

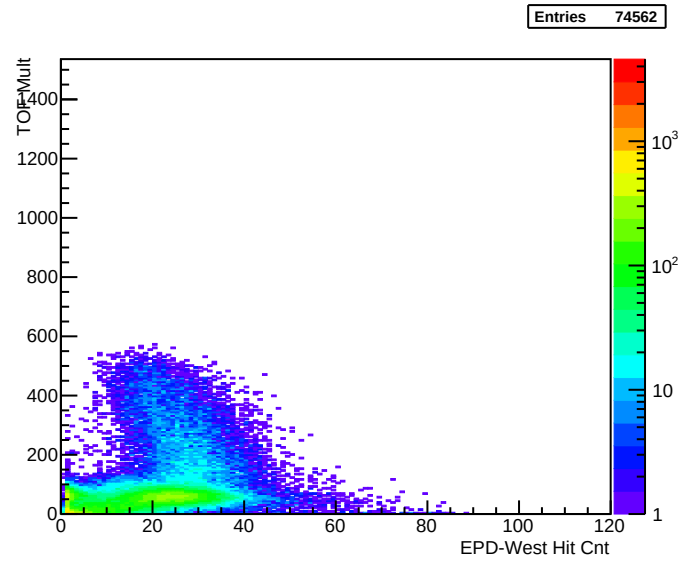

VT201 Input Ch4: VPD Adc Sum Th
Entries 149124
8717
10946
65845
63616
East
West

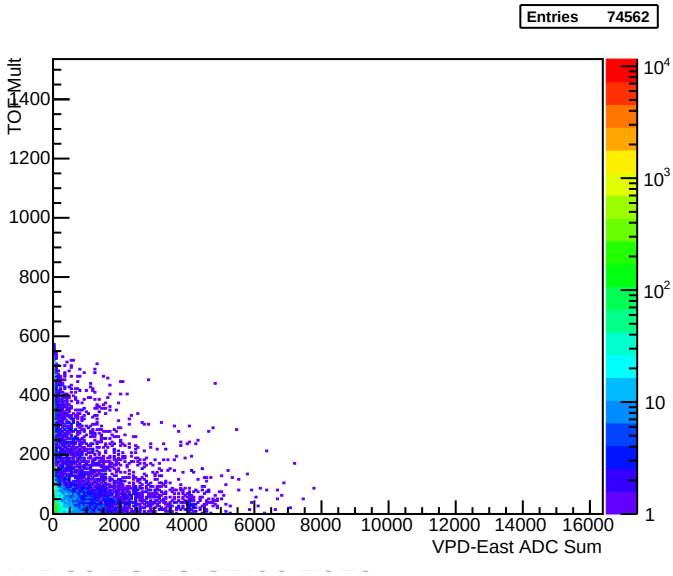

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

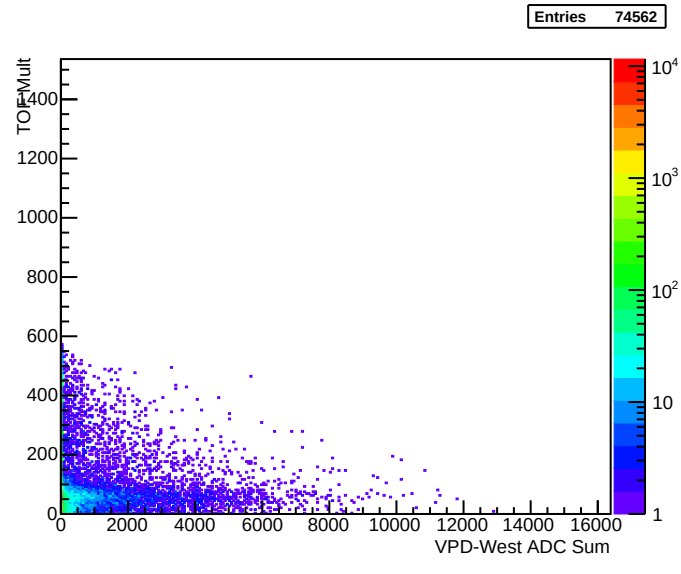

Entries 74562
TOF-Mult
BBC-S-East ADC Sum

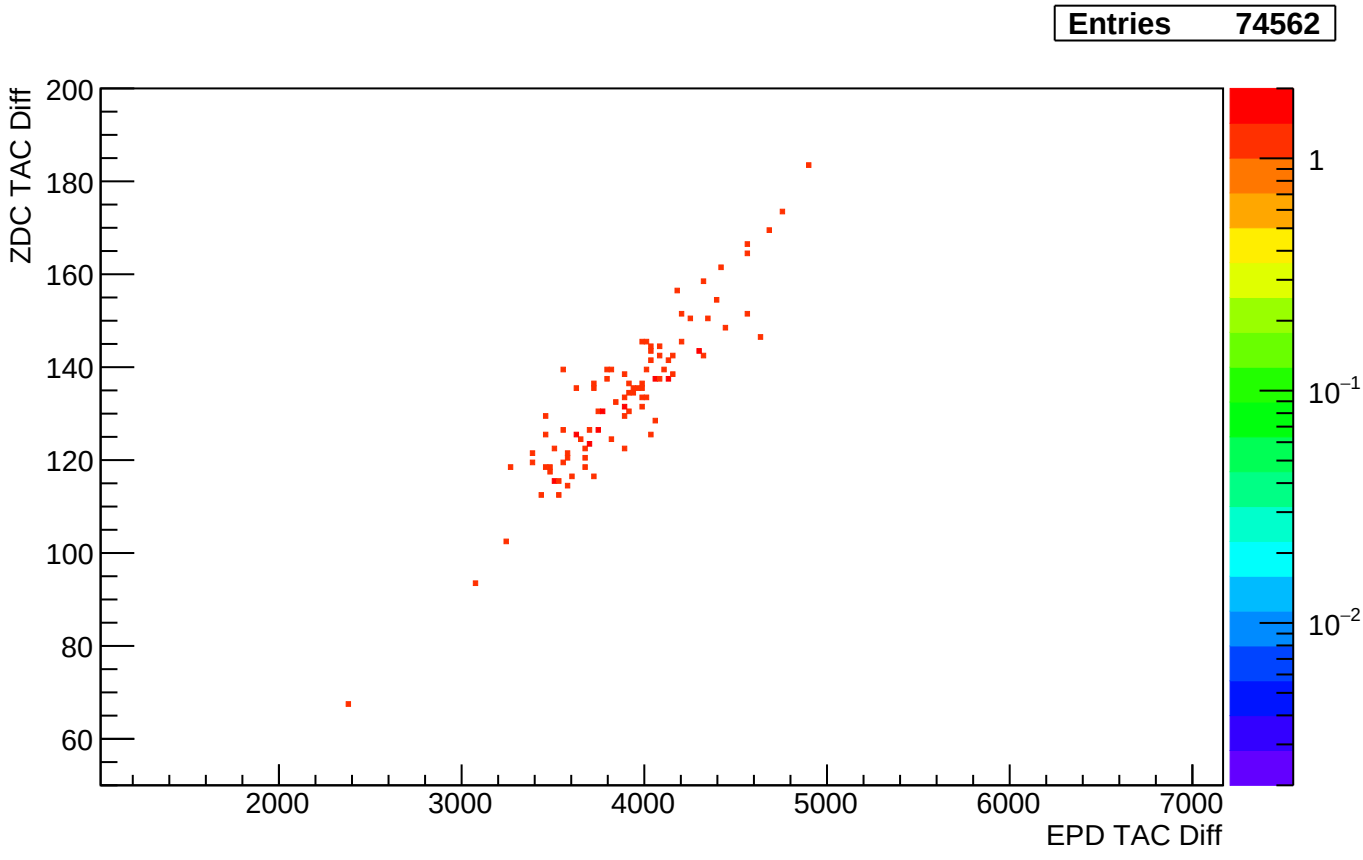

Entries 74562
TOF-Mult
BBC-S-West ADC Sum

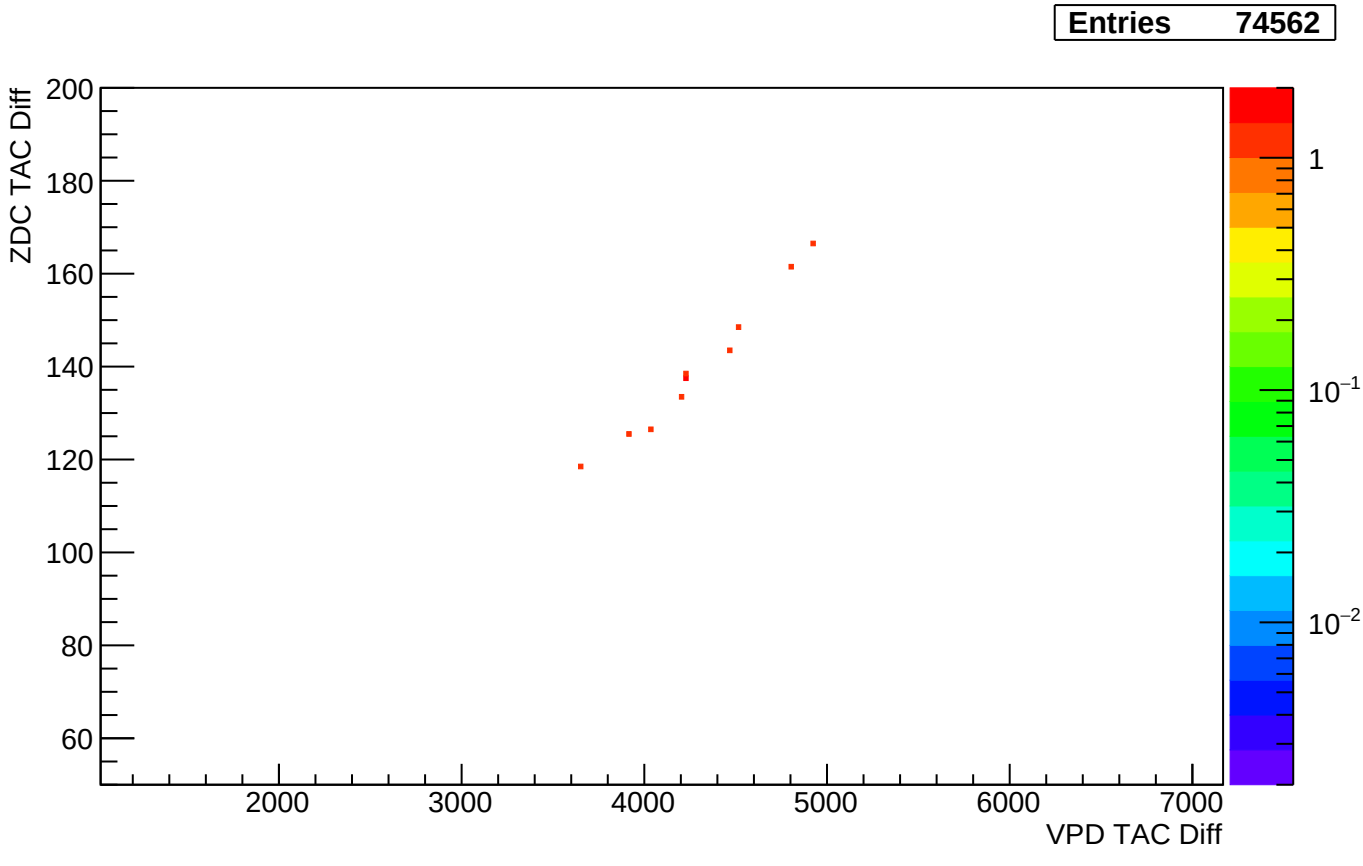

Entries 74562
TOF-Mult
EPD-East Hit Cnt

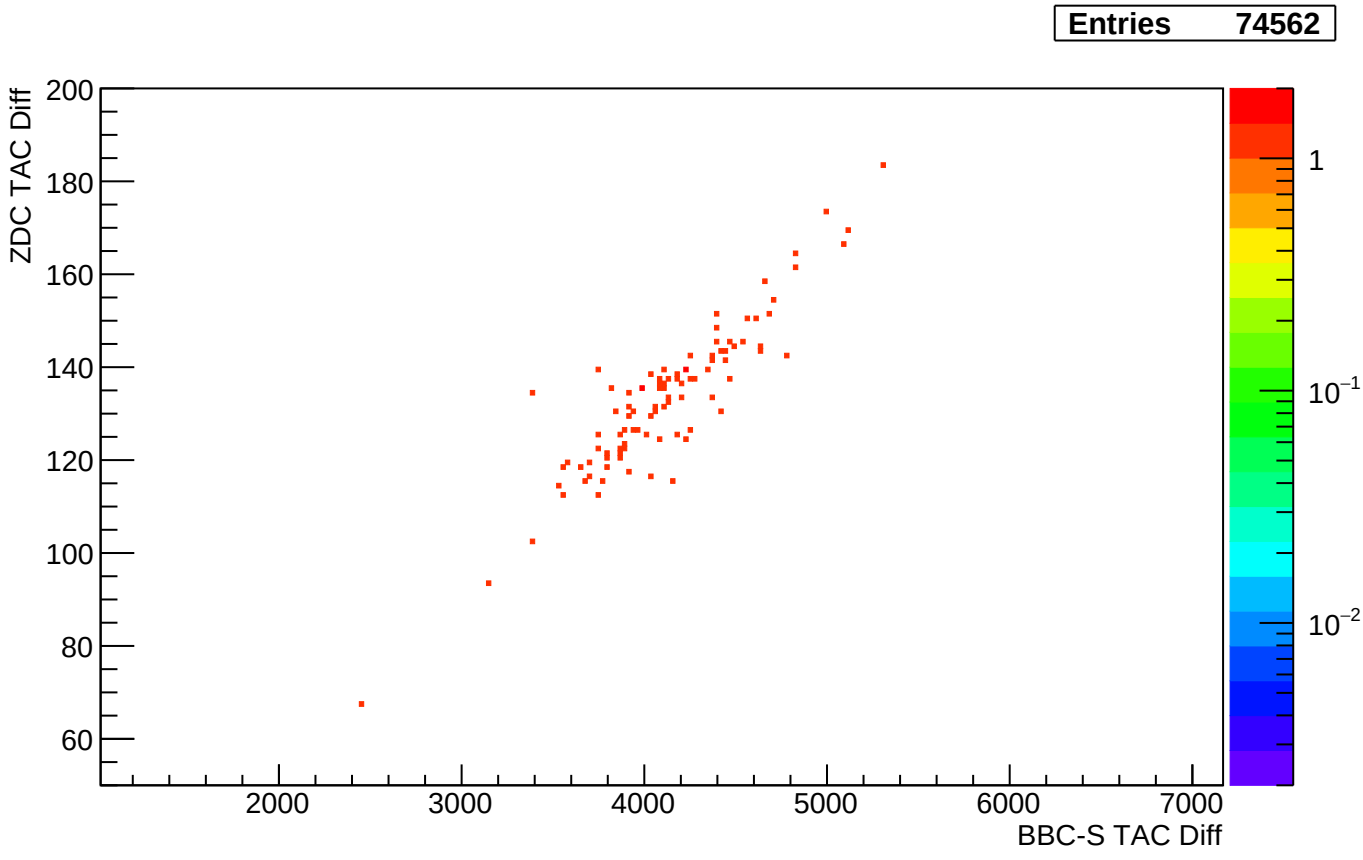

Entries 74562
TOF-Mult
EPD-West Hit Cnt

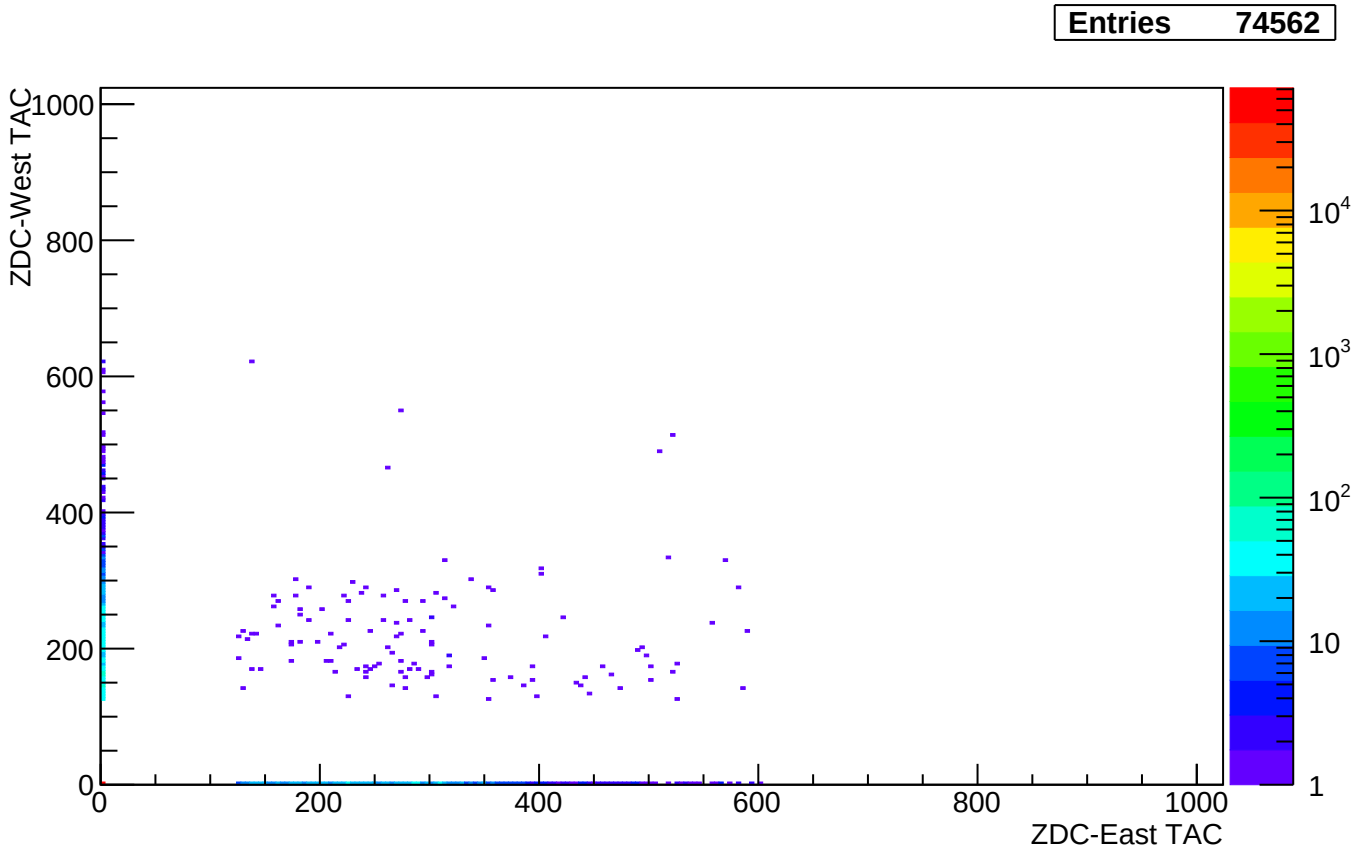

Entries 74562
TOF-Mult
VPD-East ADC Sum

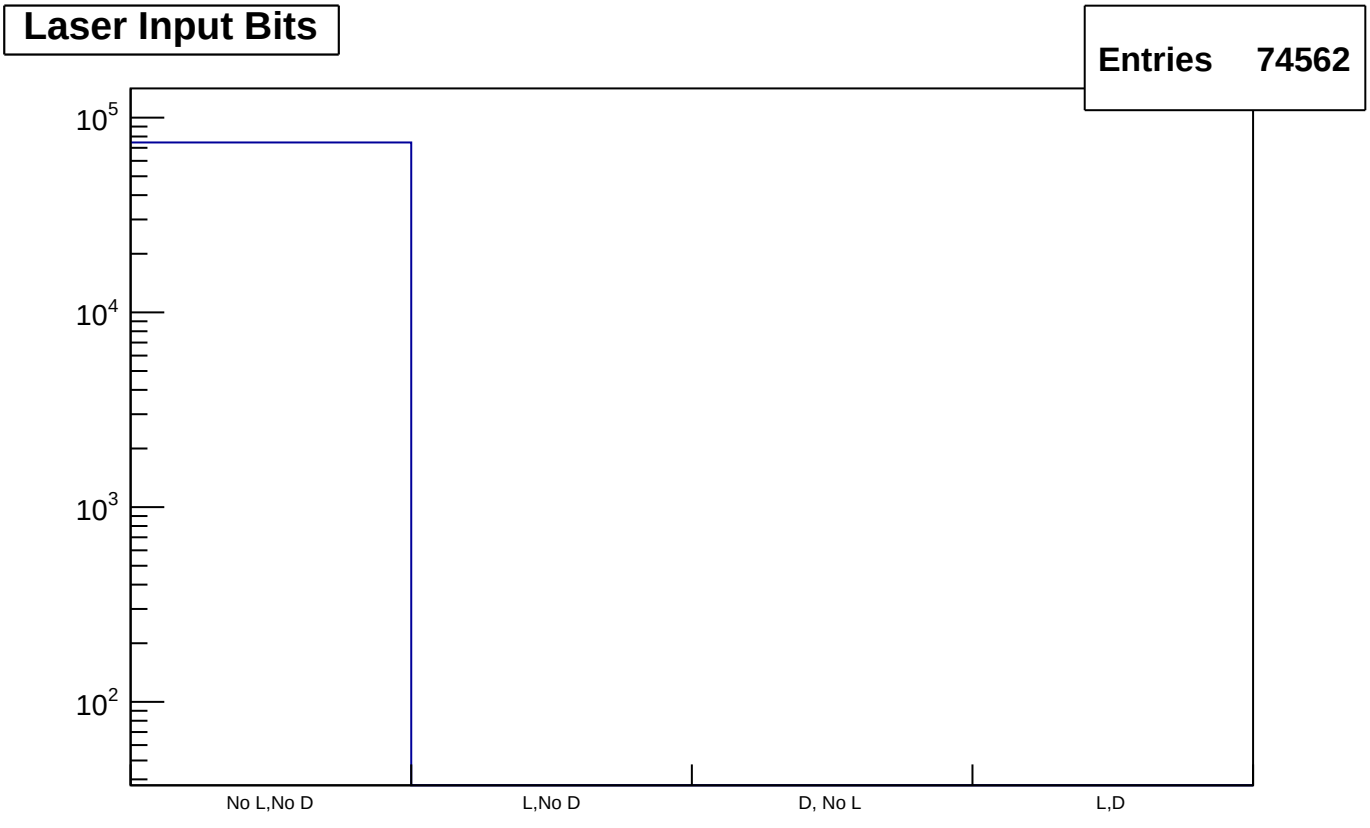

Entries 74562
TOF-Mult
VPD-West ADC Sum

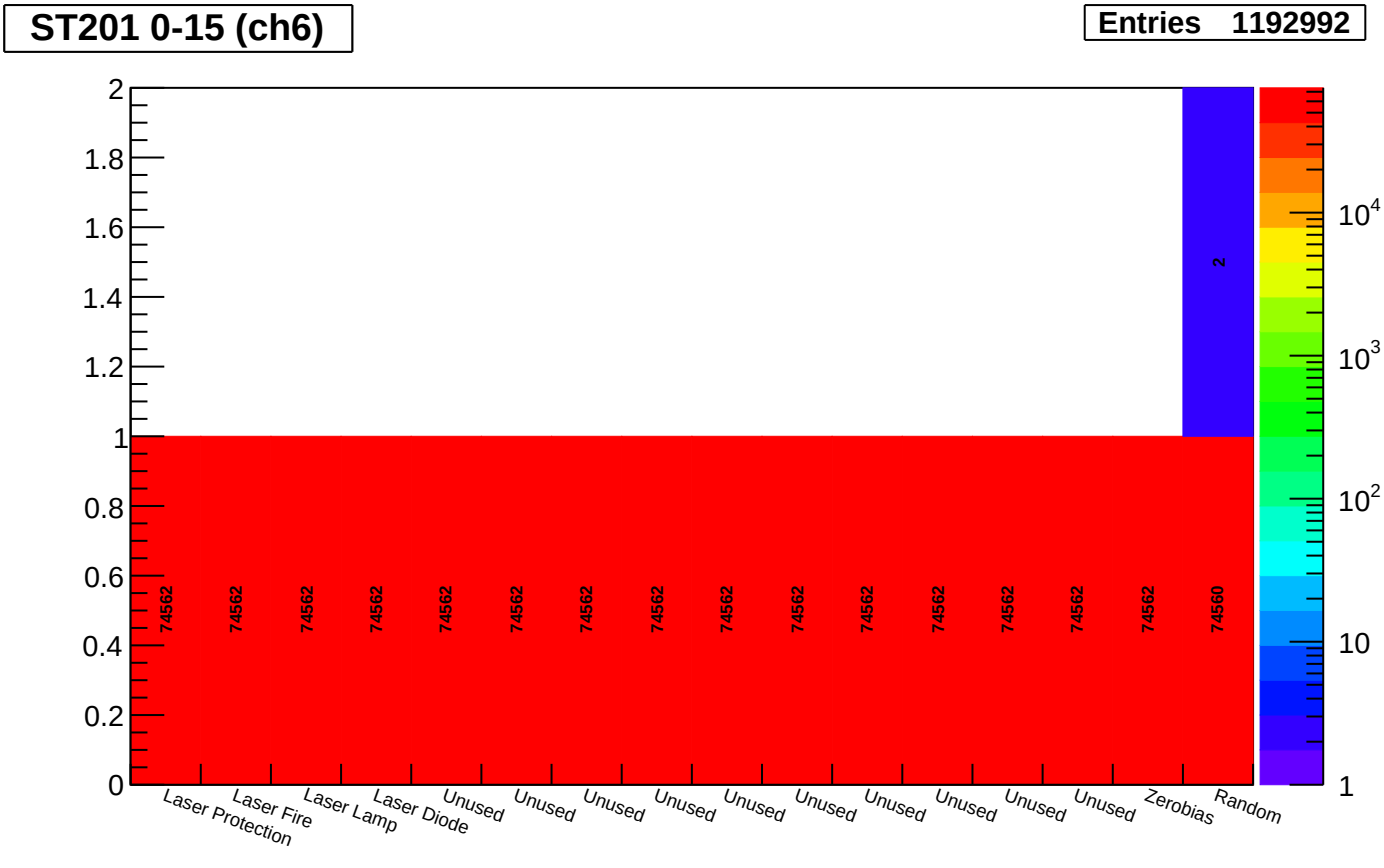

Entries 74562
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

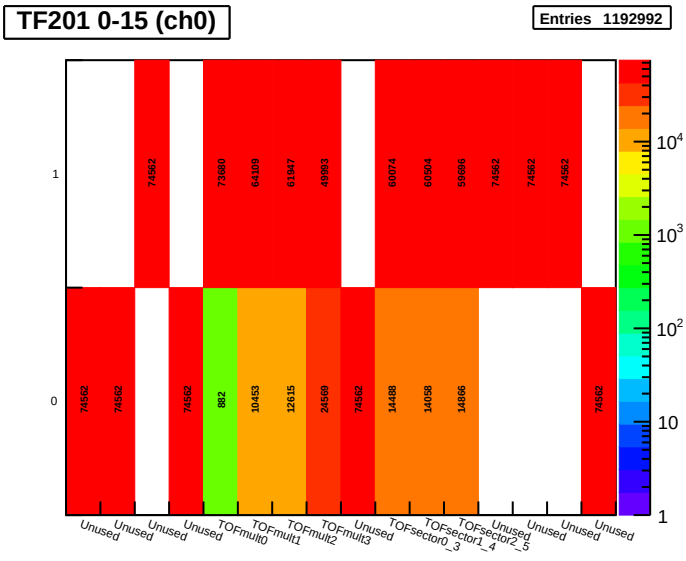

Entries 74562
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

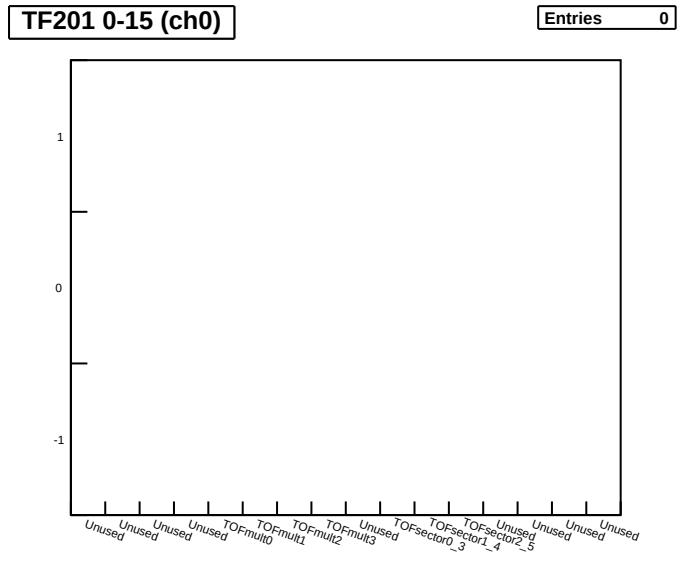

Entries 74562
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

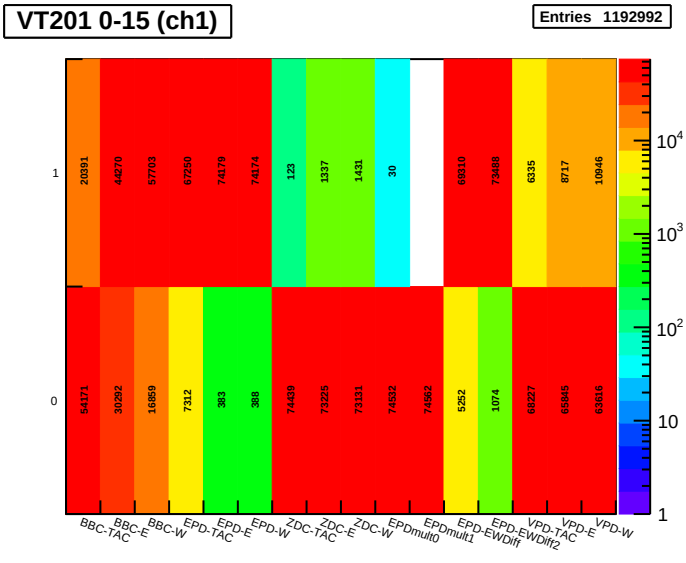

Entries 74562
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

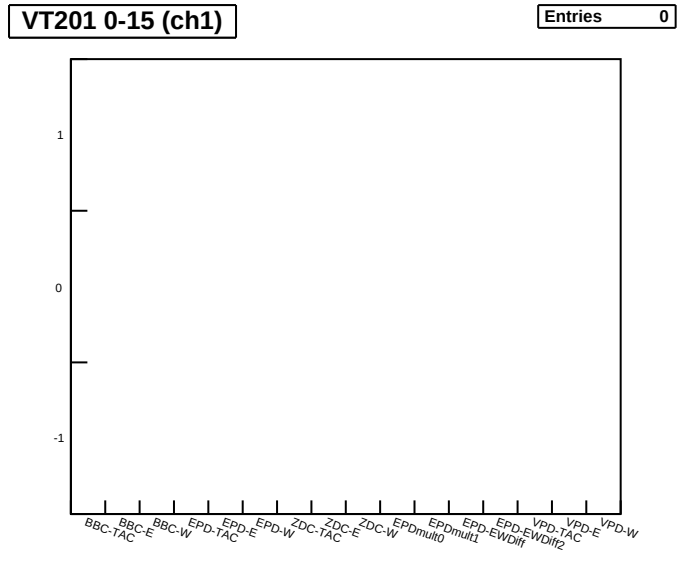

Laser Input Bits
Entries 74562
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

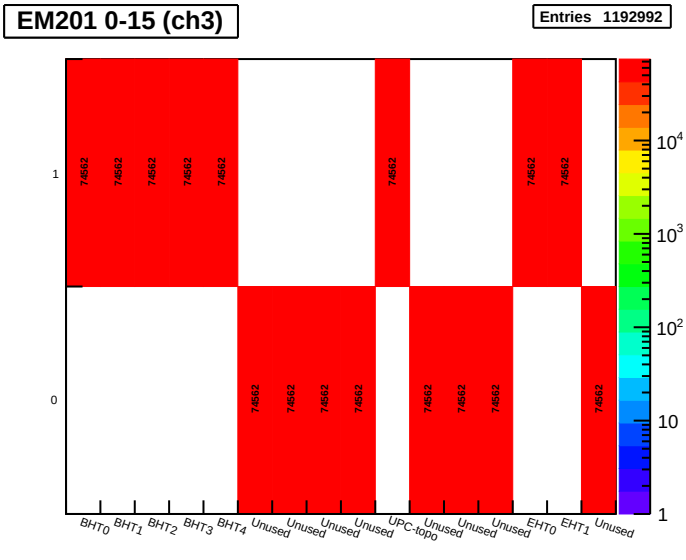

ST201 0-15 (ch6)
Entries 1192992
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
74562
74560
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

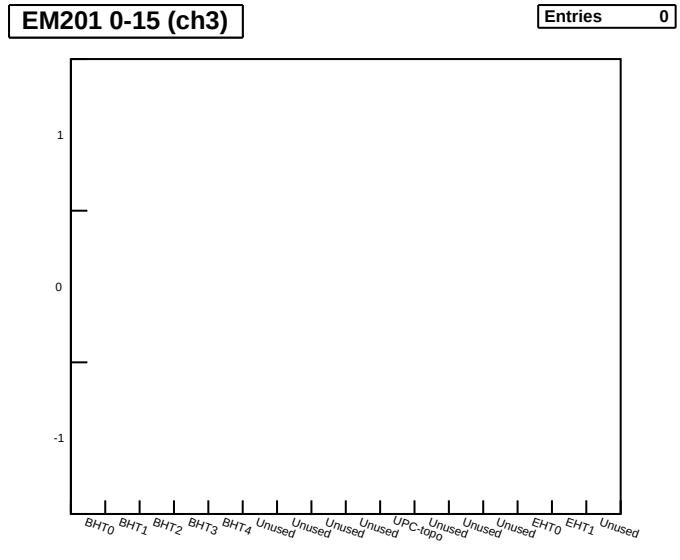

TF201 0-15 (ch0)
Entries 1192992
1
0
74562 73680 64109 61947 49993 60074 60504 59696 74562 74562 74562
74562 74562 74562 882 10453 12615 24569 74562 14488 14058 14866 74562
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused 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 1192992
1
0
20391 44270 57703 67250 74179 74174 123 1337 1431 30 63310 73488 6335 8717 10946
54171 30292 16859 7312 383 388 74439 73225 73131 74532 74562 5252 1074 68227 65845 63616
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 1192992
1
0
74562 74562 74562 74562 74562 74562 74562 74562
74562 74562 74562 74562 74562 74562 74562 74562
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