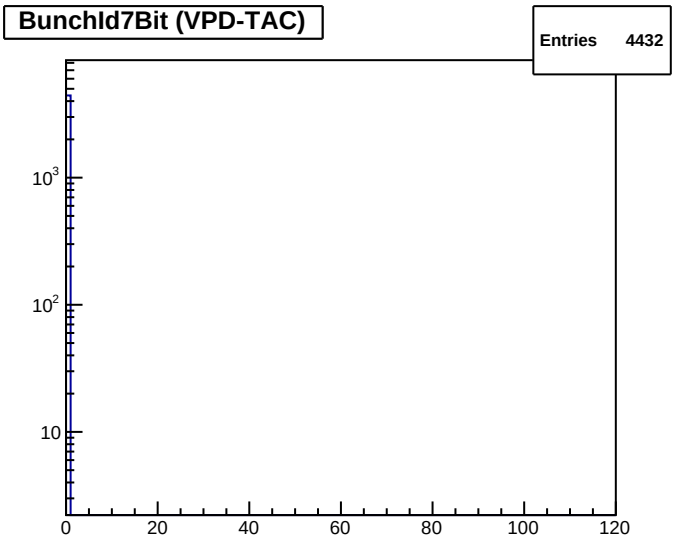
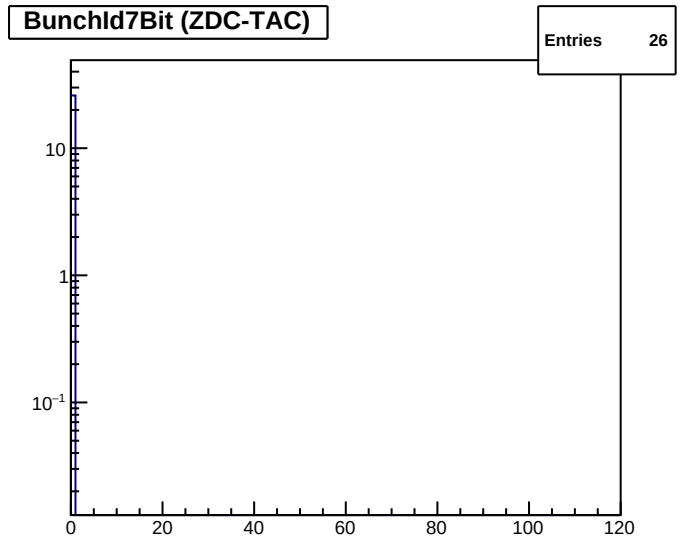
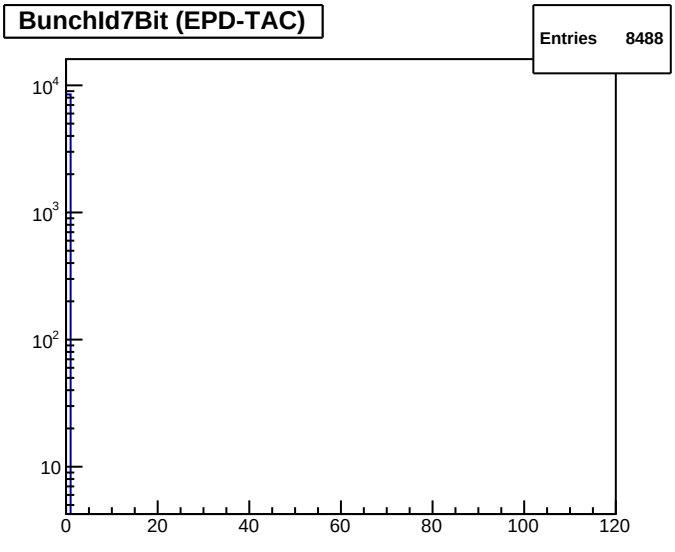
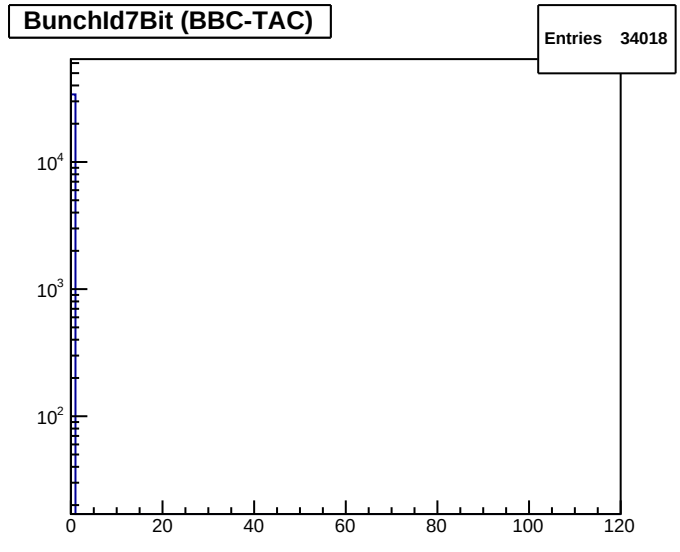
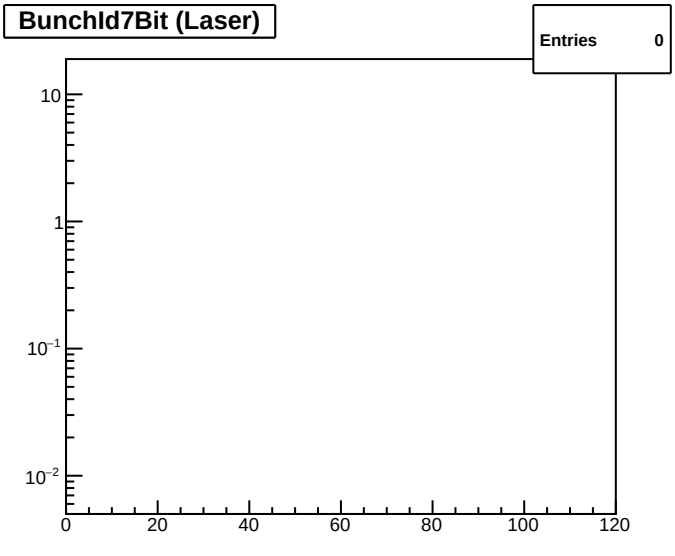
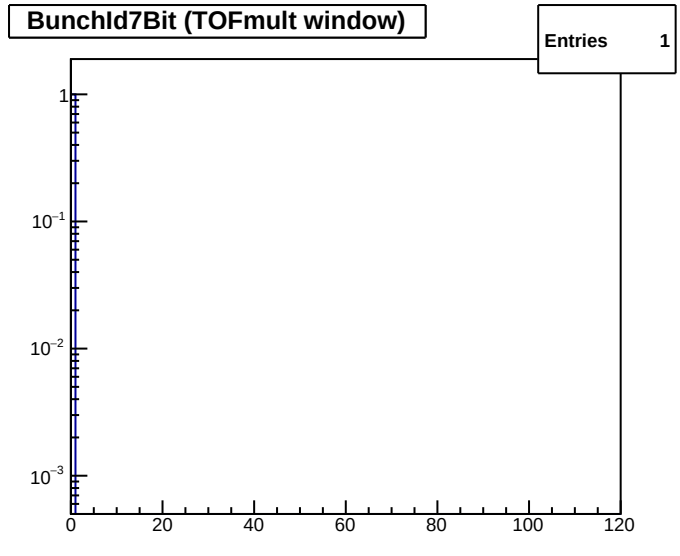

BunchId7Bit (VPD-TAC)
Entries 4432
10^3
10^2
10
0 20 40 60 80 100 120

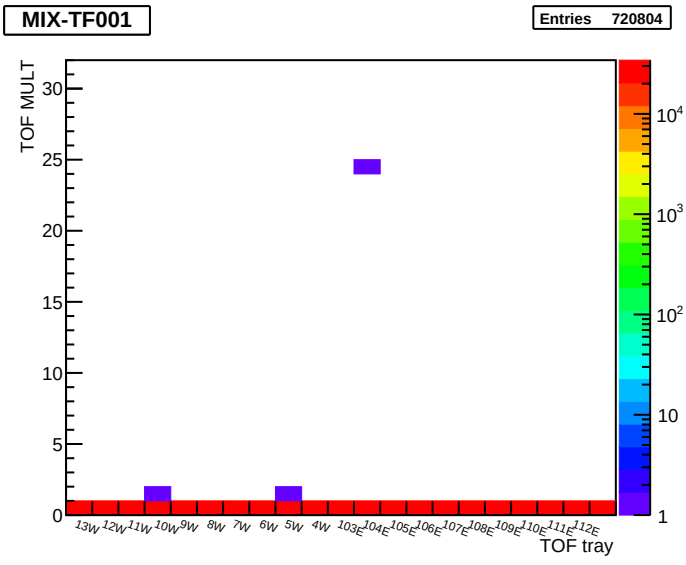

BunchId7Bit (ZDC-TAC)
Entries 26
10
1
10^{-1}
0 20 40 60 80 100 120

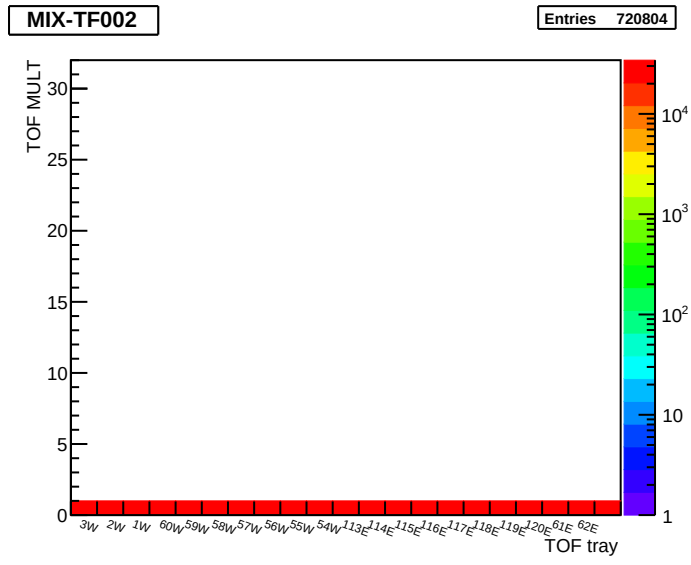

BunchId7Bit (EPD-TAC)
Entries 8488
10^4
10^3
10^2
10
0 20 40 60 80 100 120

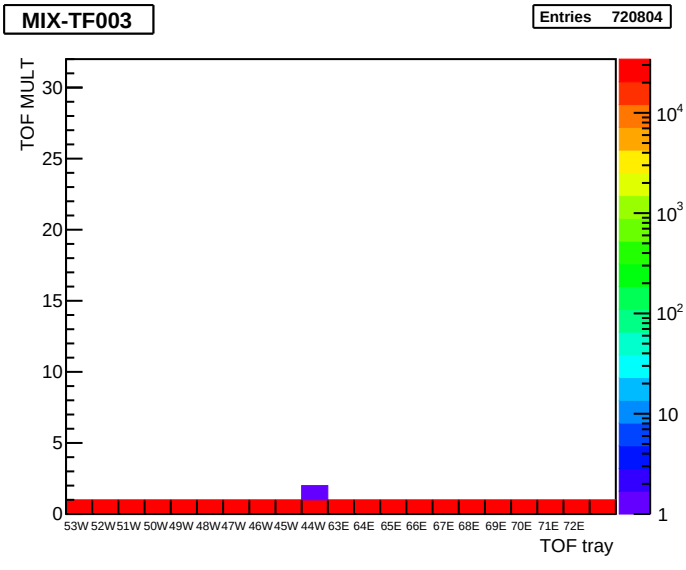

BunchId7Bit (BBC-TAC)
Entries 34018
10^4
10^3
10^2
0 20 40 60 80 100 120

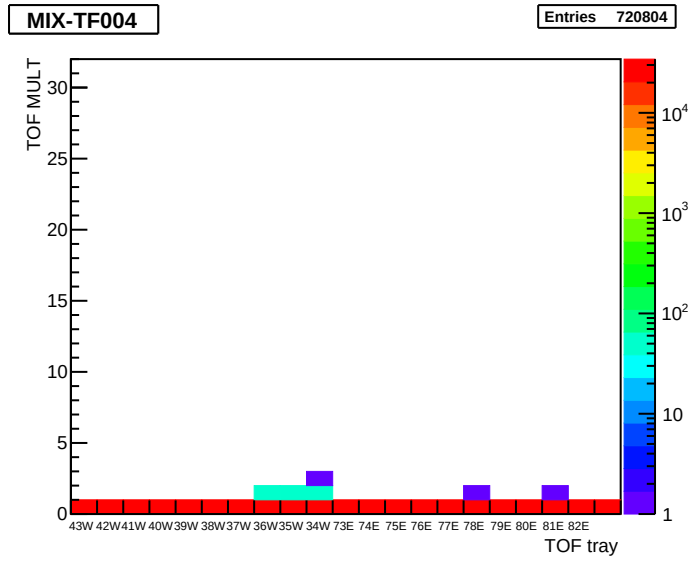

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

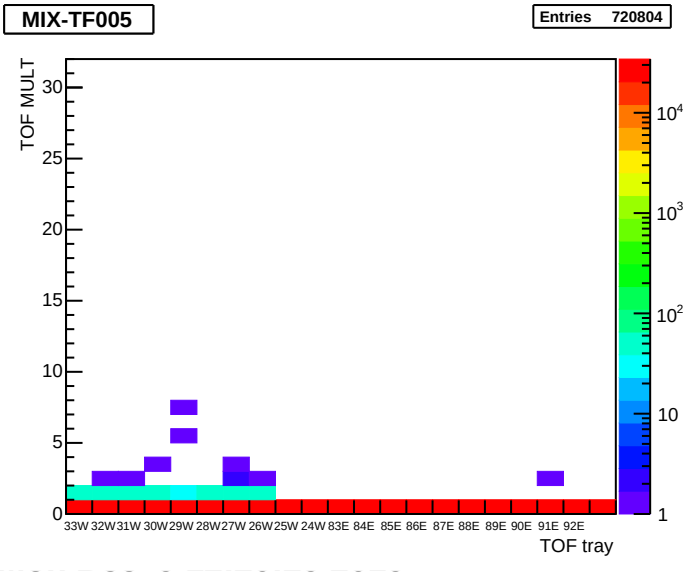

BunchId7Bit (TOFmult window)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

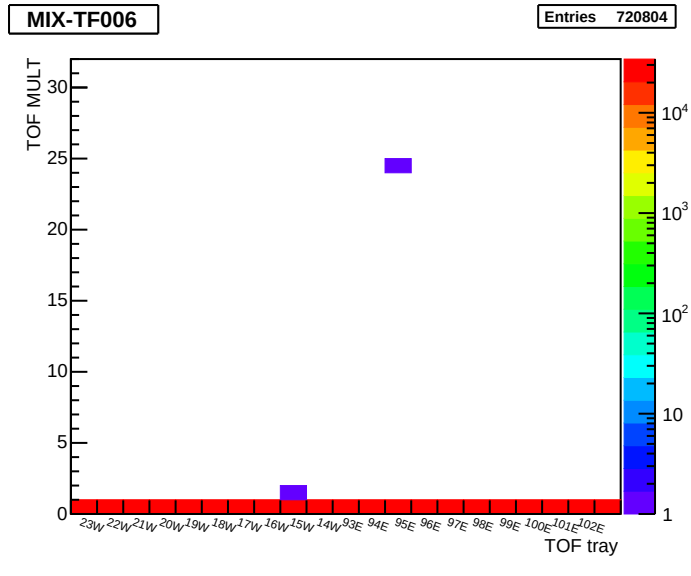

MIX-TF001
Entries 720804
TOF MULT
TOF tray

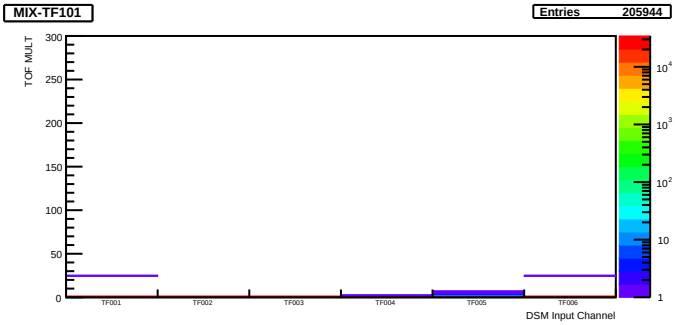

MIX-TF002
Entries 720804
TOF MULT
TOF tray

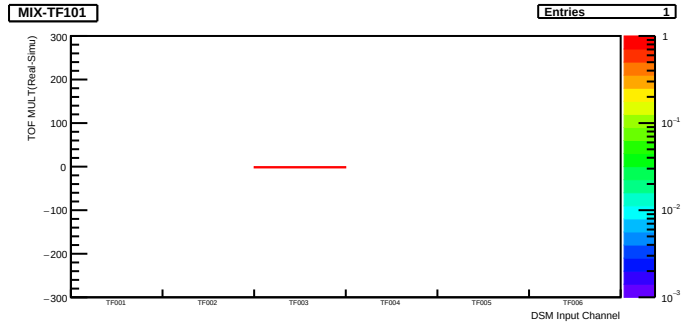

MIX-TF003
Entries 720804
TOF MULT
TOF tray

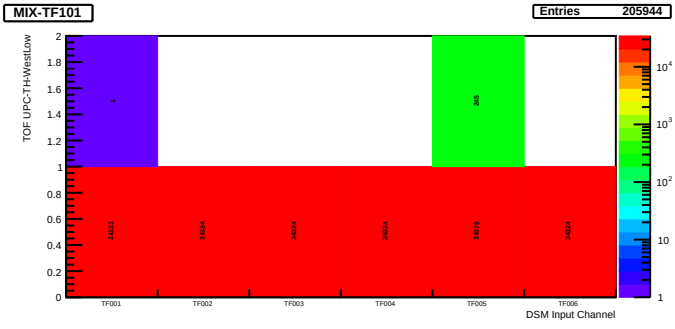

MIX-TF004
Entries 720804
TOF MULT
TOF tray

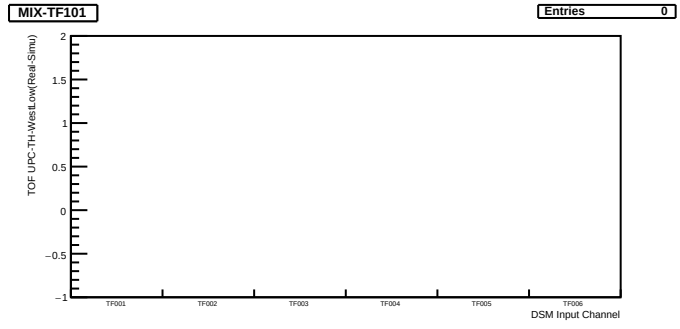

MIX-TF005
Entries 720804
TOF MULT
TOF tray

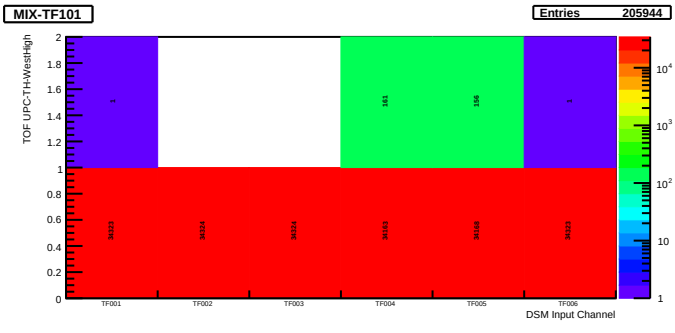

MIX-TF006
Entries 720804
TOF MULT
TOF tray

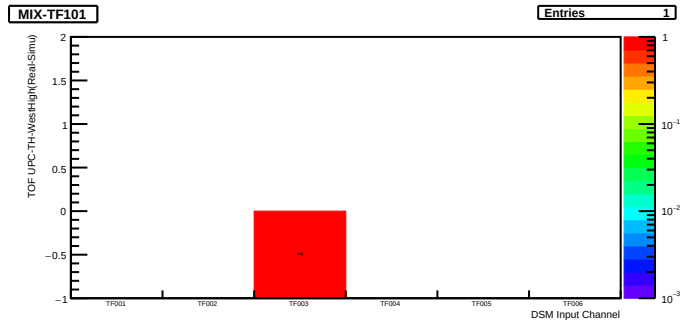

MIX-TF101
Entries 205944
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

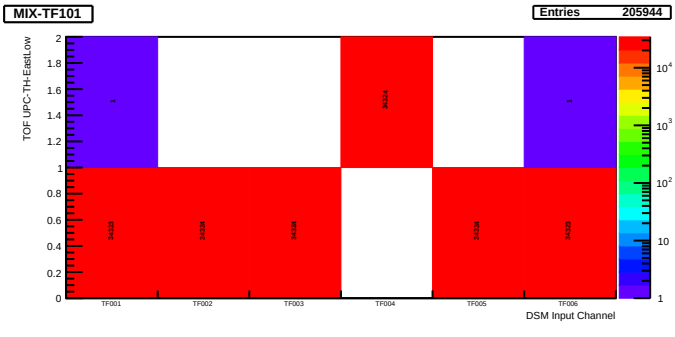

MIX-TF101
Entries 1
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

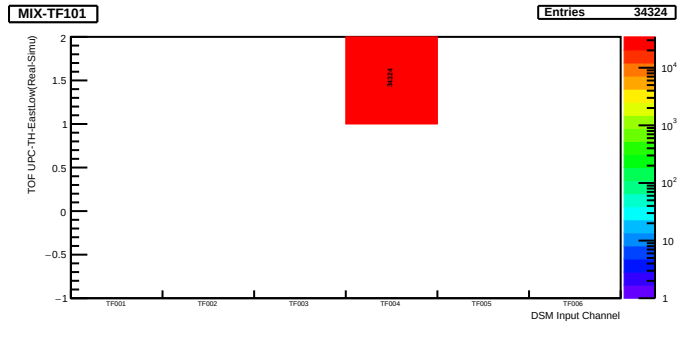

MIX-TF101
Entries 205944
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

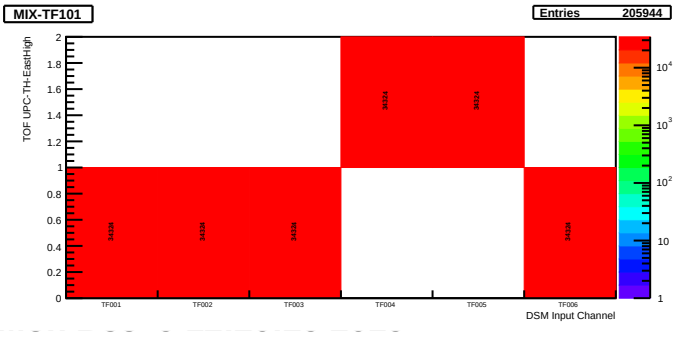

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

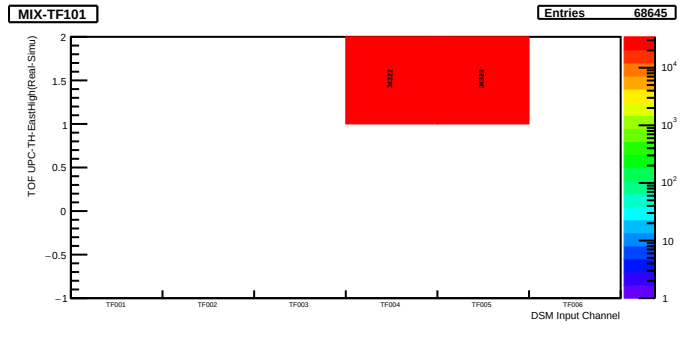

MIX-TF101
Entries 205944
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

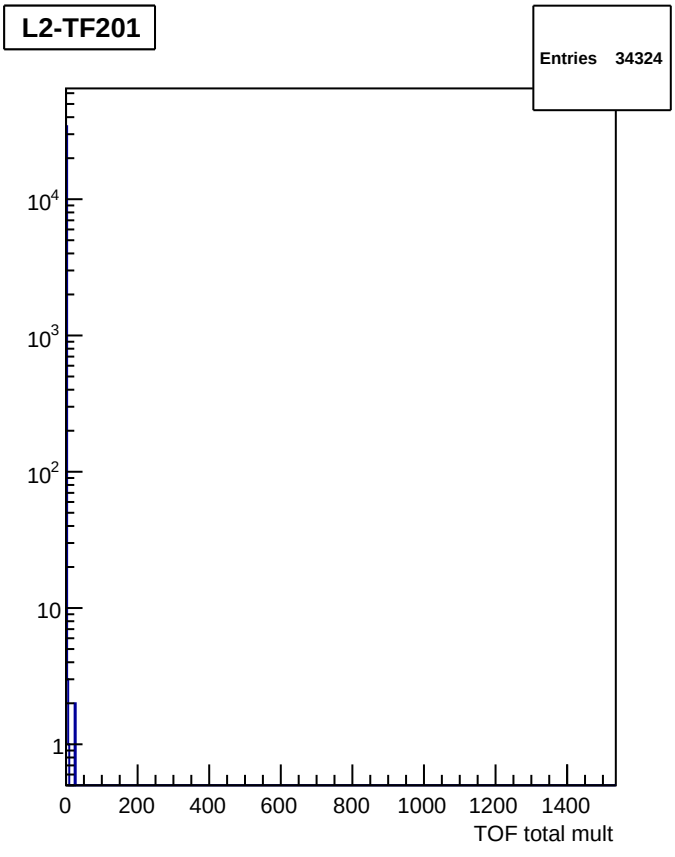

MIX-TF101
Entries 1
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

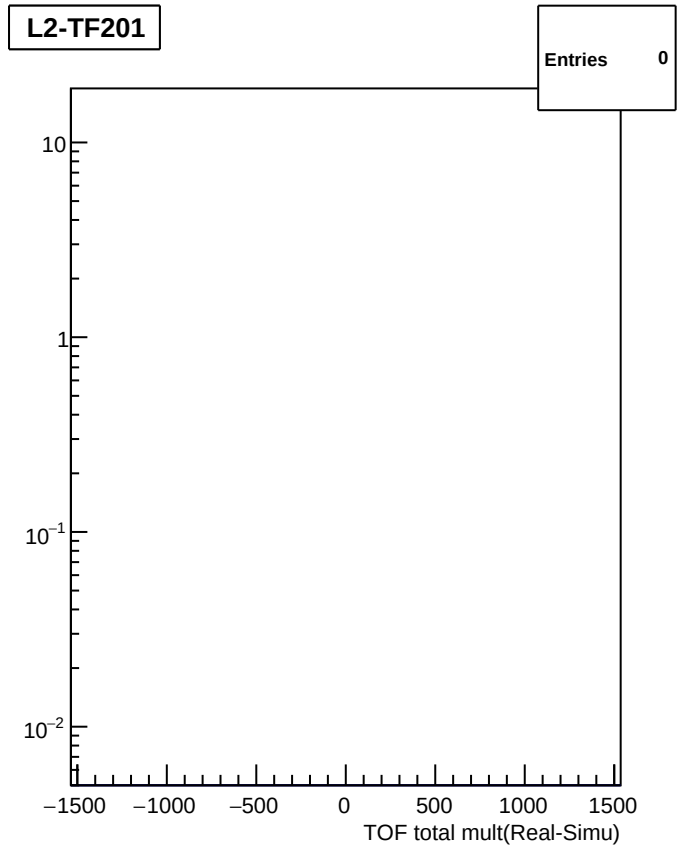

MIX-TF101
Entries 205944
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

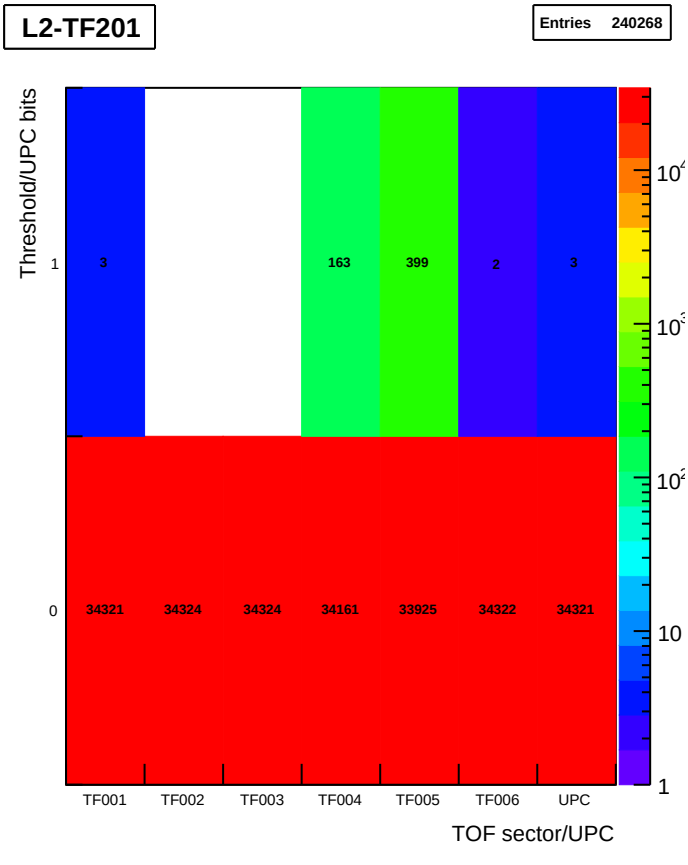

MIX-TF101
Entries 34324
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

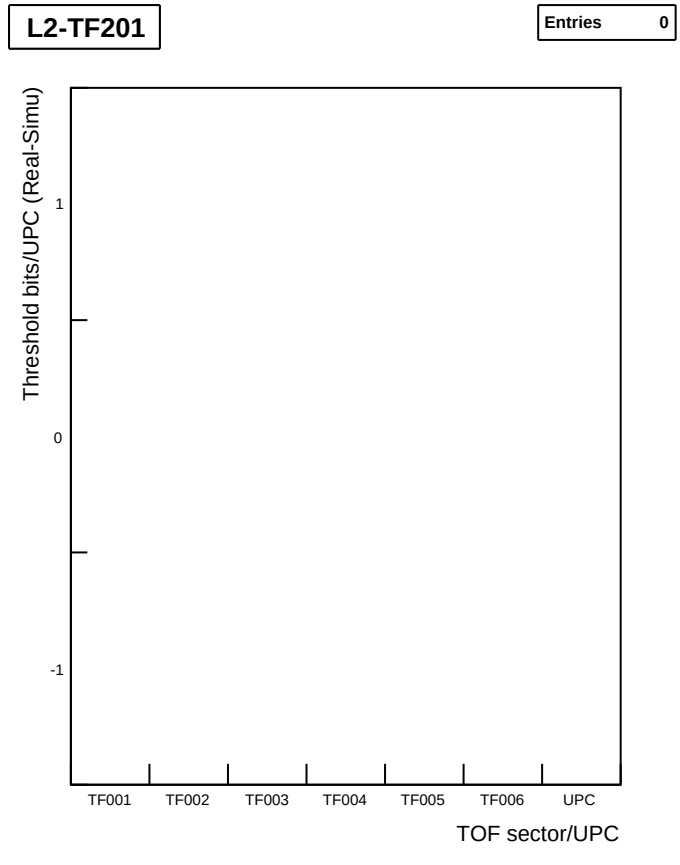

MIX-TF101
Entries 205944
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

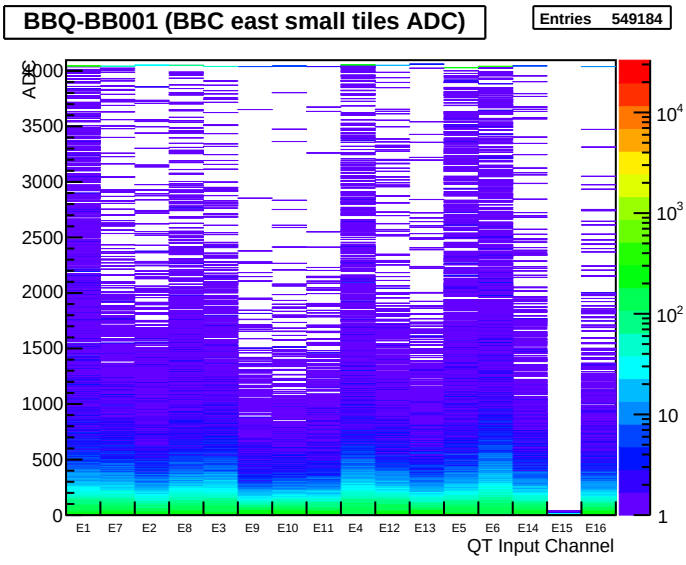

MIX-TF101
Entries 68645
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

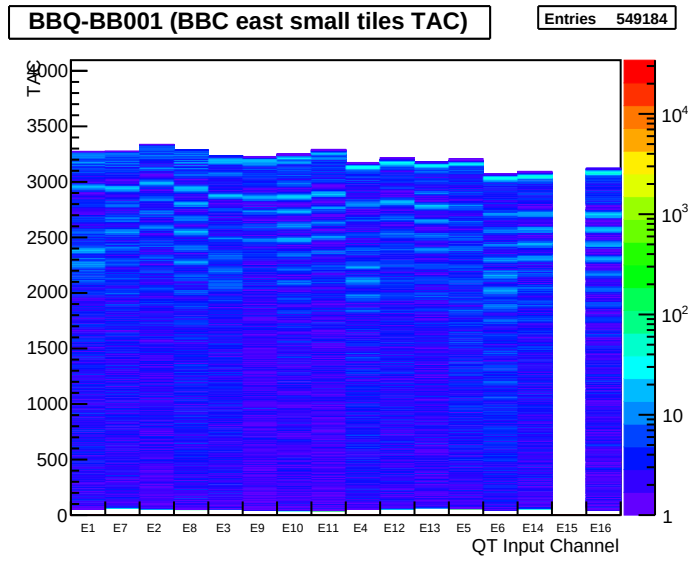

L2-TF201
Entries 34324
TOF total mult

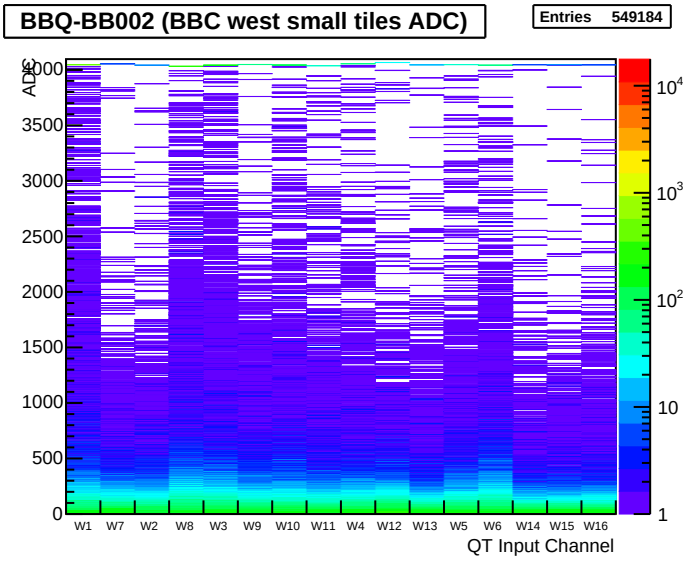

L2-TF201
Entries 0
TOF total mult(Real-Simu)

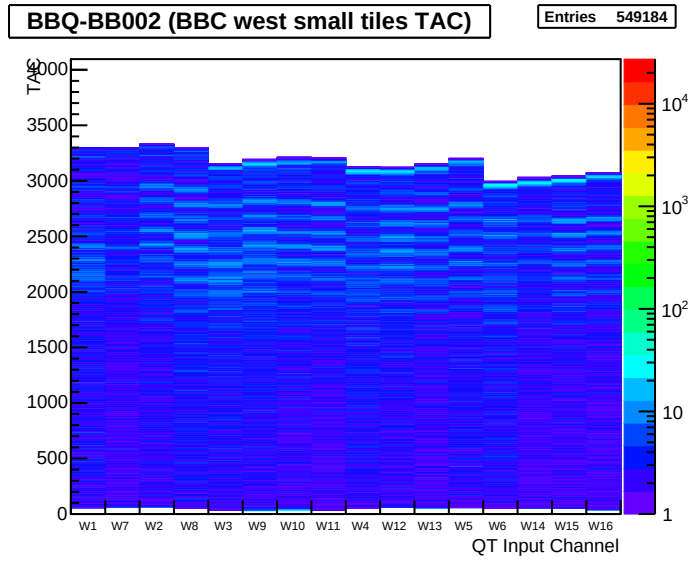

L2-TF201
Entries 240268
Threshold/UPC bits
3
163
399
2
3
34321
34324
34324
34161
33925
34322
34321
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

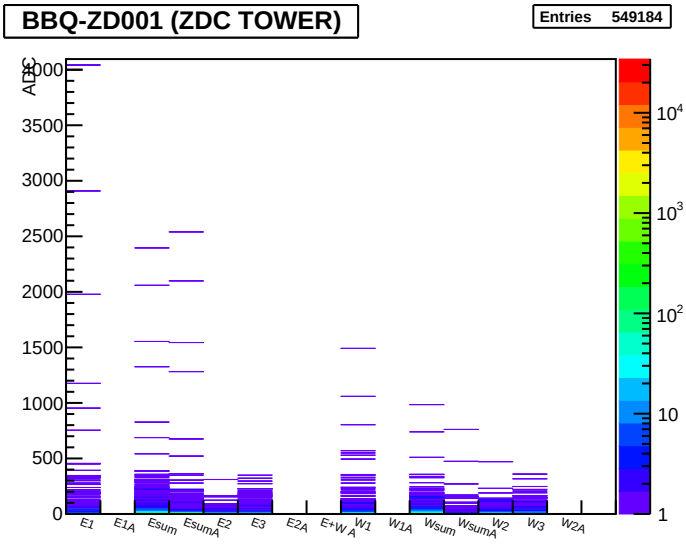

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

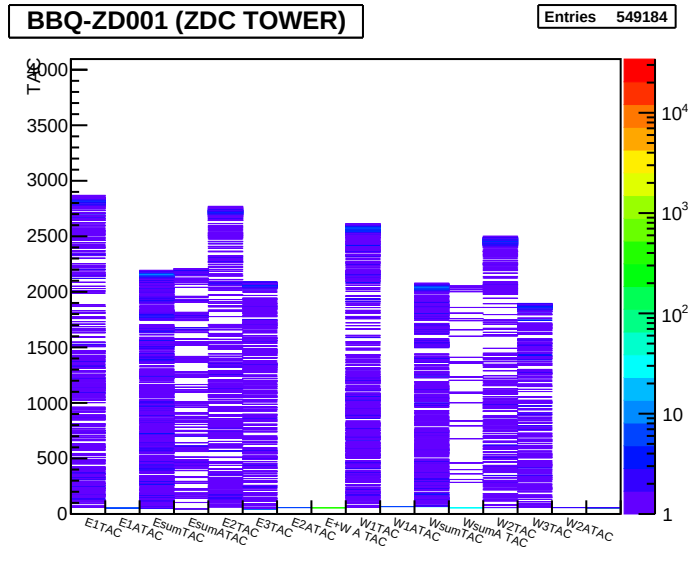

BBQ-BB001 (BBC east small tiles ADC)
Entries 549184
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

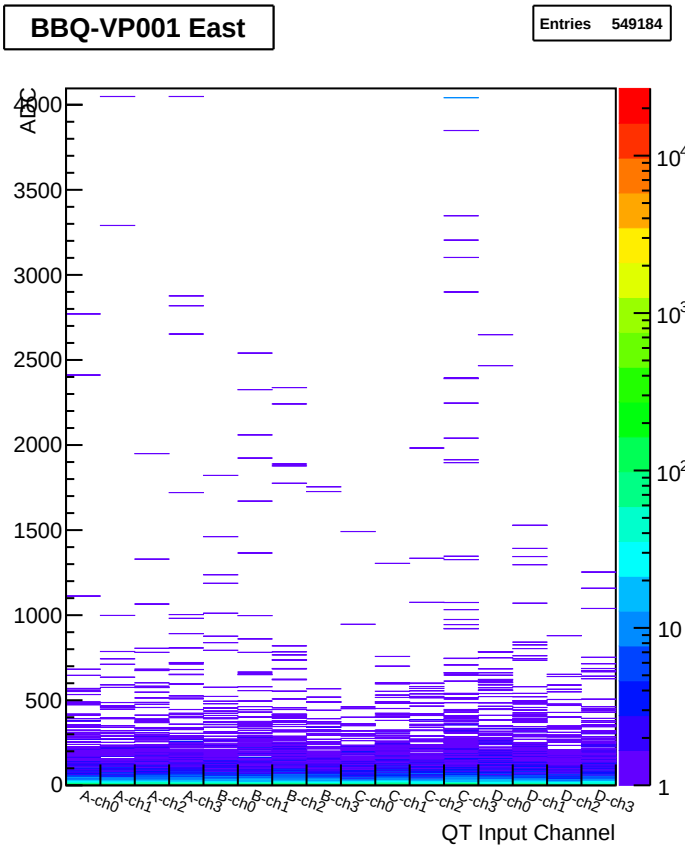

BBQ-BB001 (BBC east small tiles TAC)
Entries 549184
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

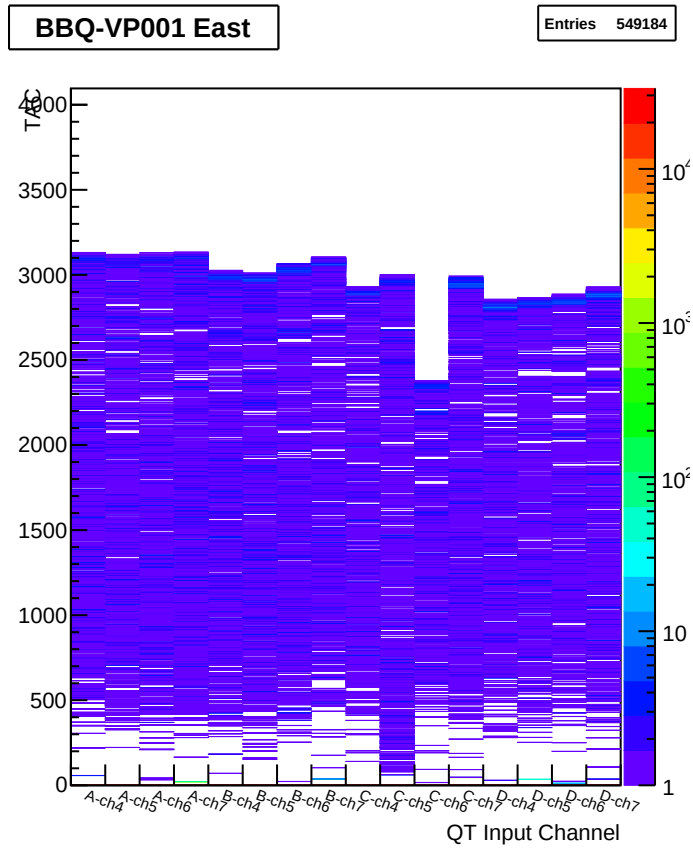

BBQ-BB002 (BBC west small tiles ADC)
Entries 549184
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

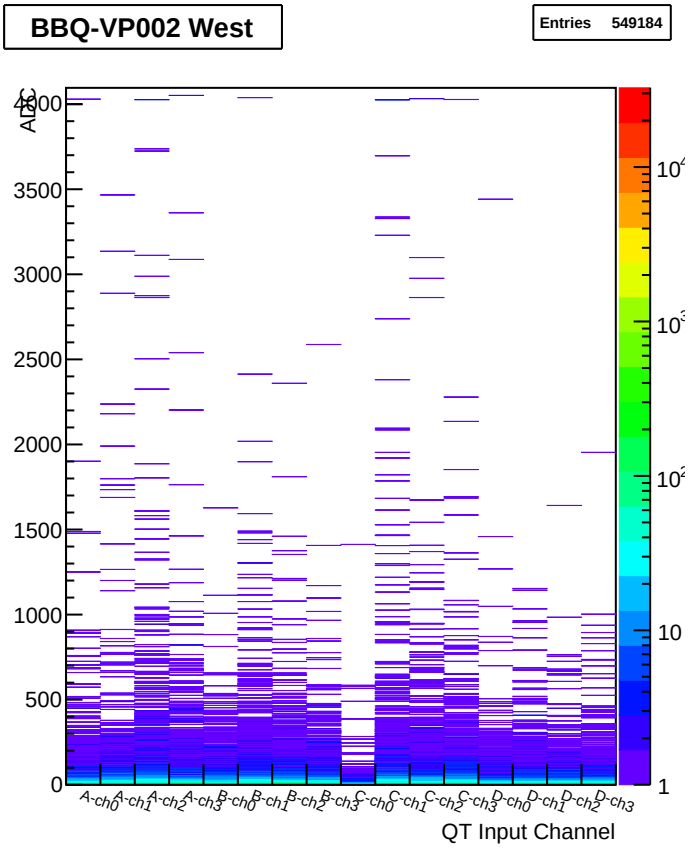

BBQ-BB002 (BBC west small tiles TAC)
Entries 549184
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

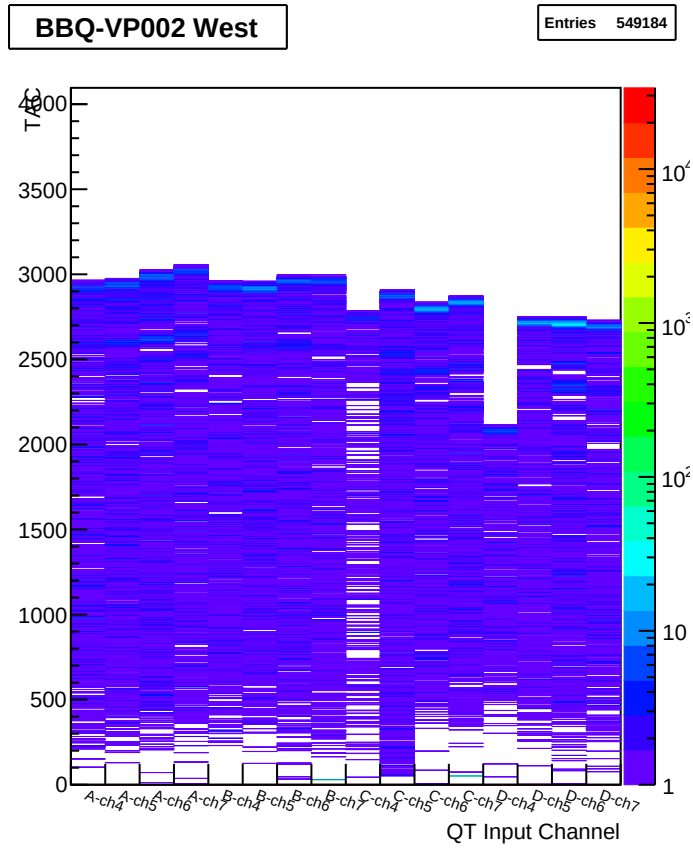

BBQ-ZD001 (ZDC TOWER)
Entries 549184
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

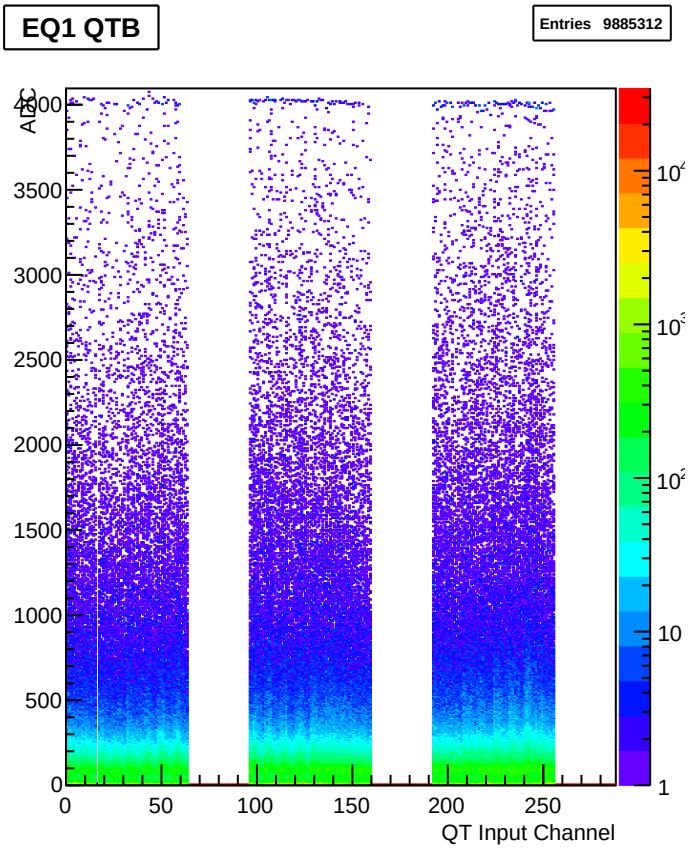

BBQ-ZD001 (ZDC TOWER)
Entries 549184
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

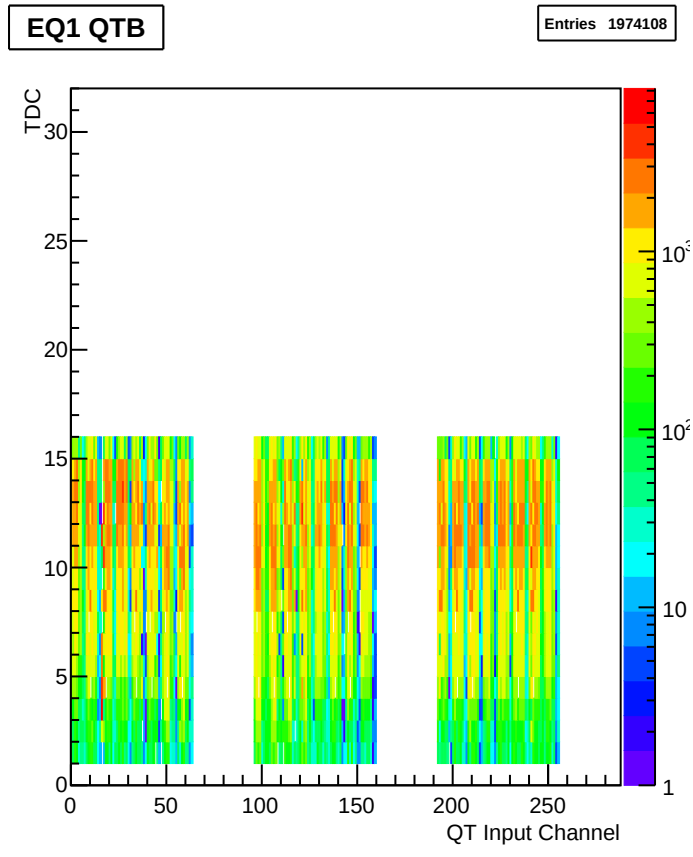

BBQ-VP001 East
Entries 549184
ADC
QT Input Channel

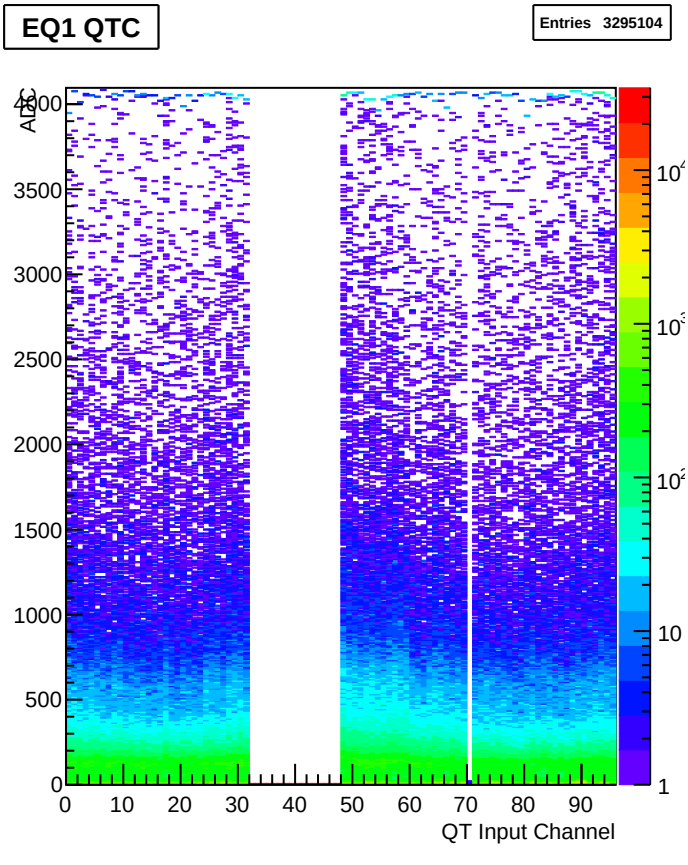

BBQ-VP001 East
Entries 549184
TADC
QT Input Channel

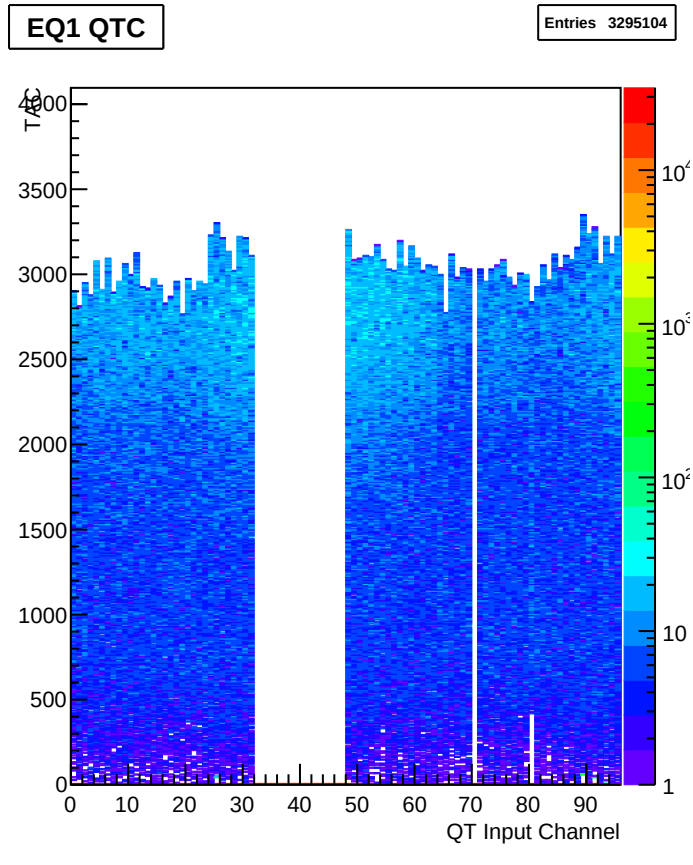

BBQ-VP002 West
Entries 549184
ADC
QT Input Channel

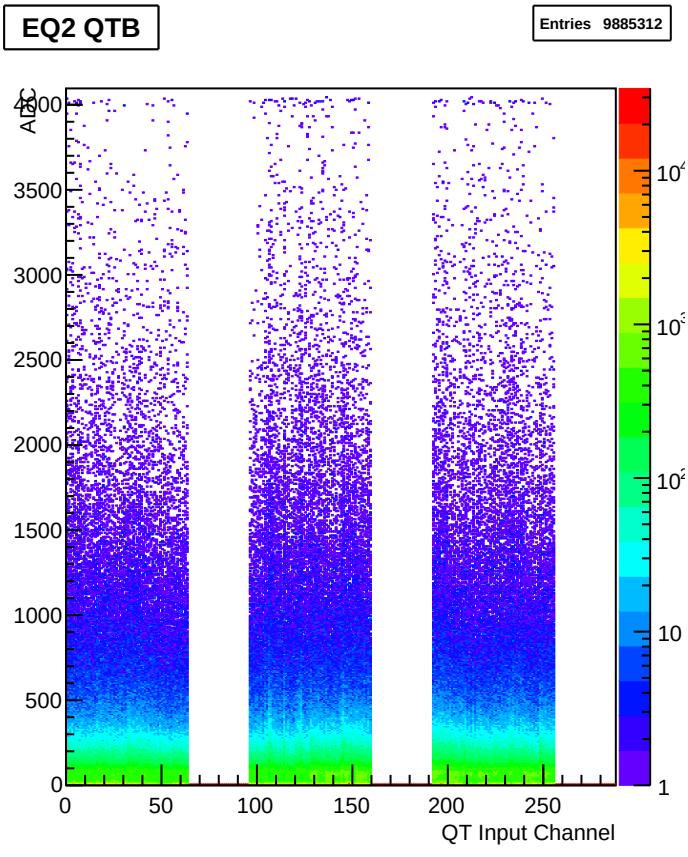

BBQ-VP002 West
Entries 549184
TADC
QT Input Channel

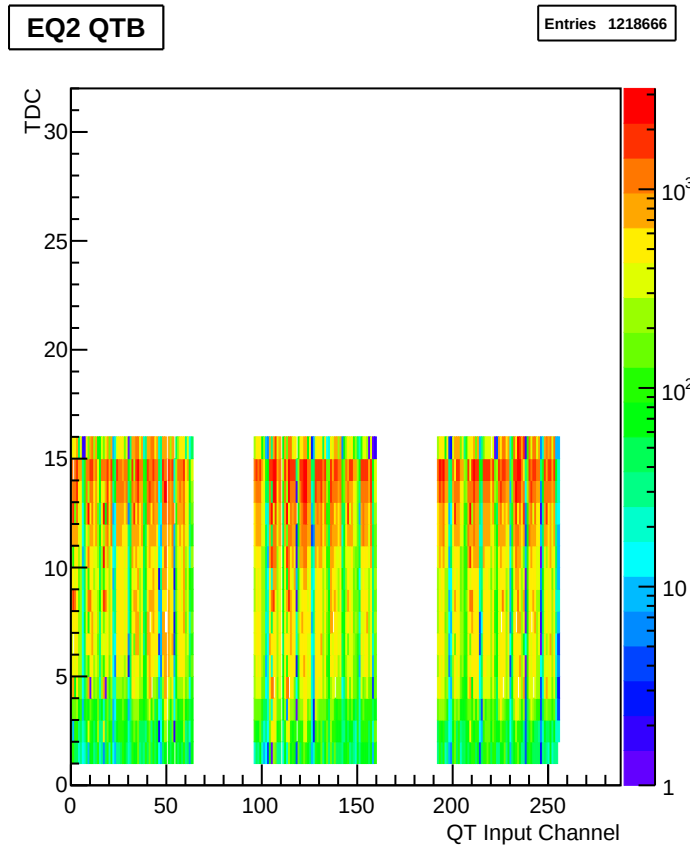

EQ1 QTB
Entries 9885312
ADC
QT Input Channel

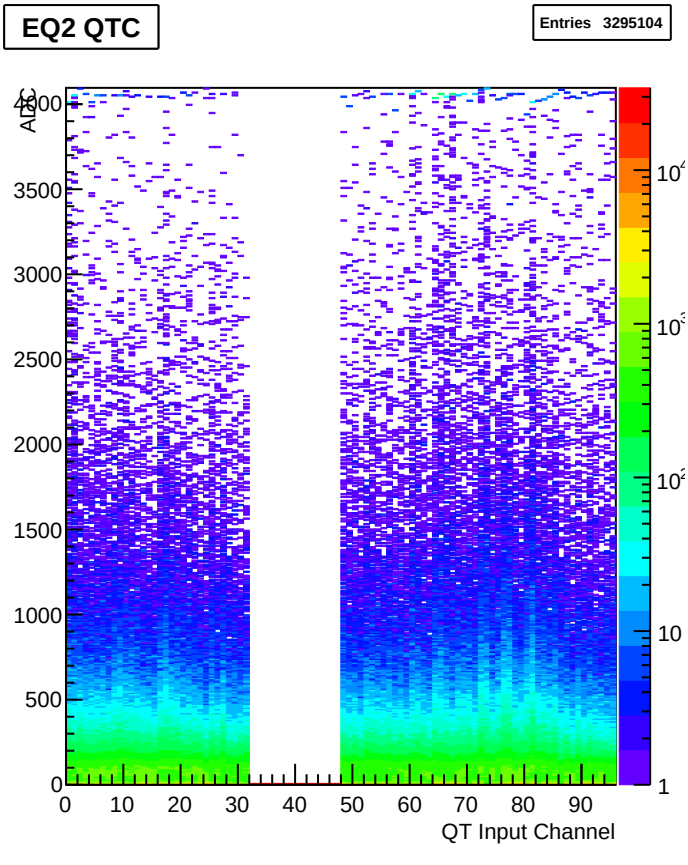

EQ1 QTB
Entries 1974108
TDC
QT Input Channel

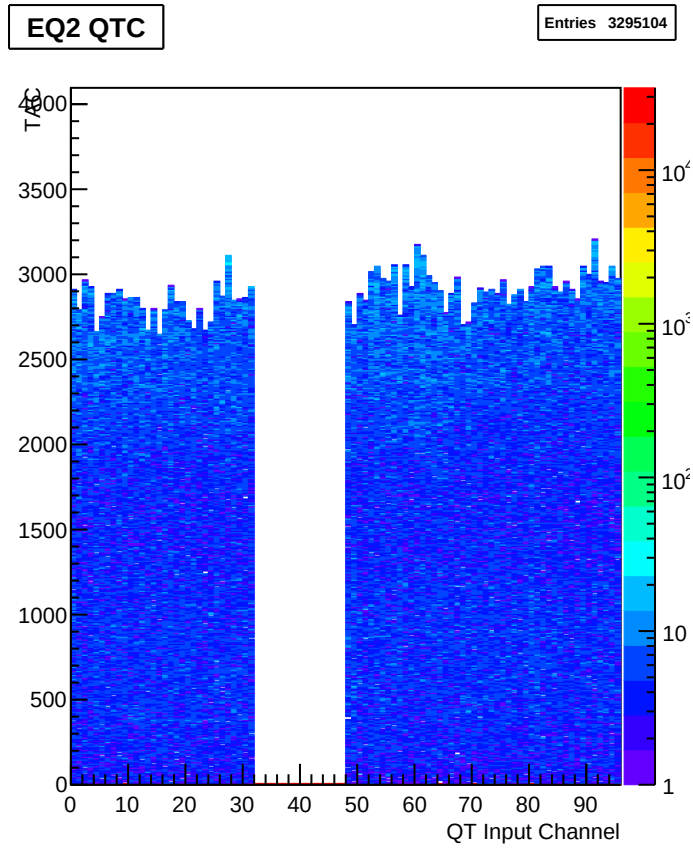

EQ1 QTC
Entries 3295104
ADC
QT Input Channel

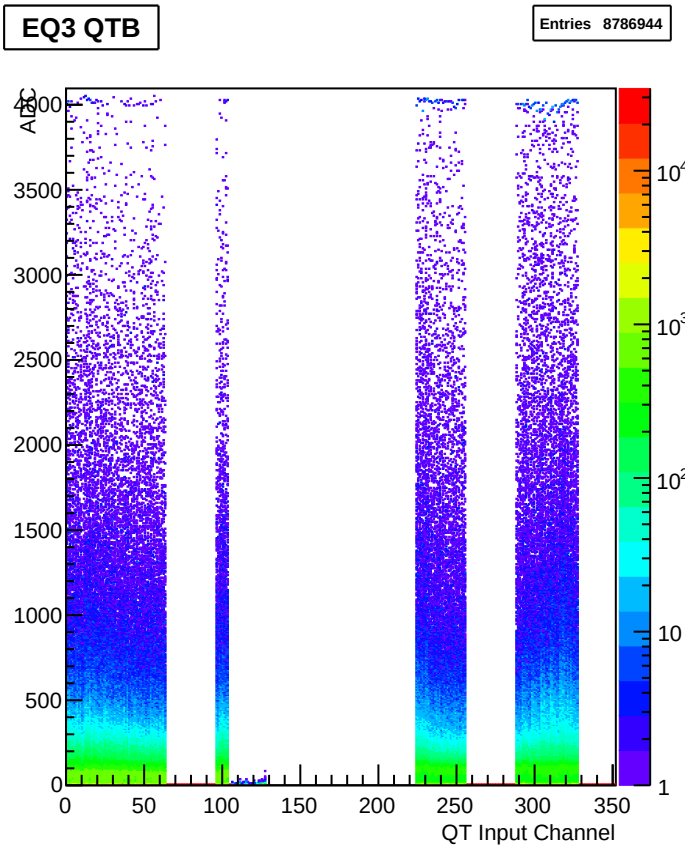

EQ1 QTC
Entries 3295104
TADC
QT Input Channel

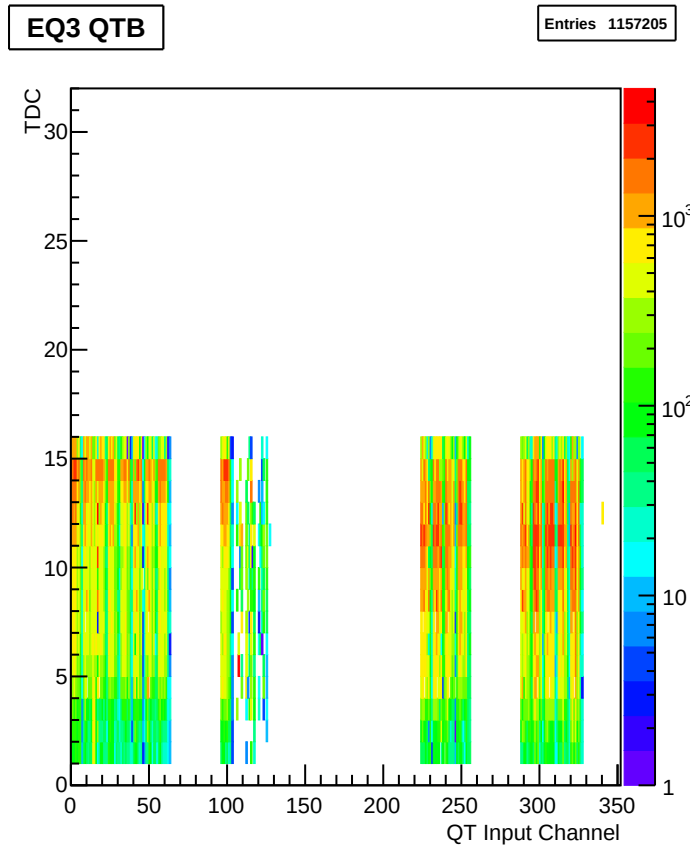

EQ2 QTB
Entries 9885312
ADC
QT Input Channel

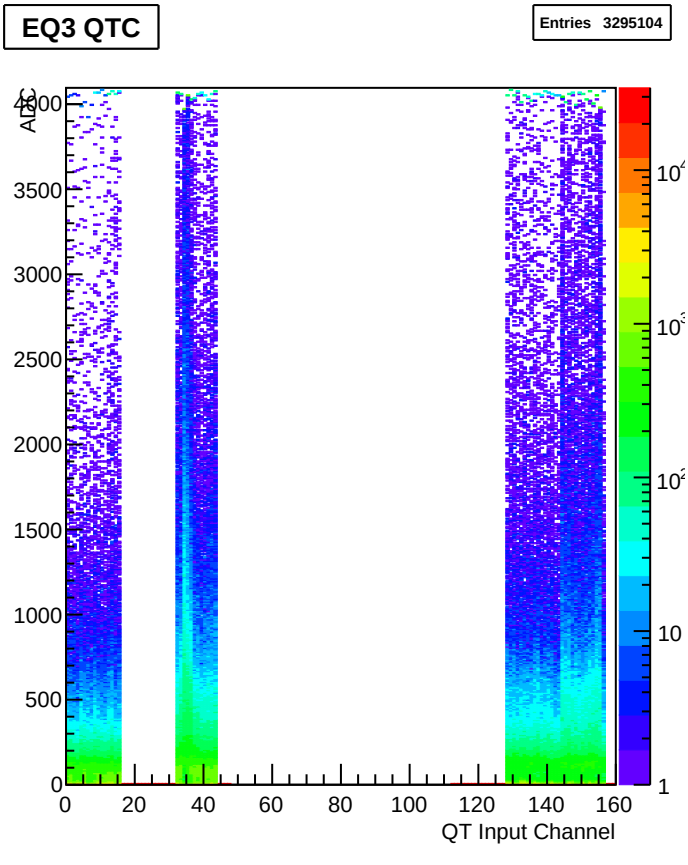

EQ2 QTB
Entries 1218666
TDC
QT Input Channel

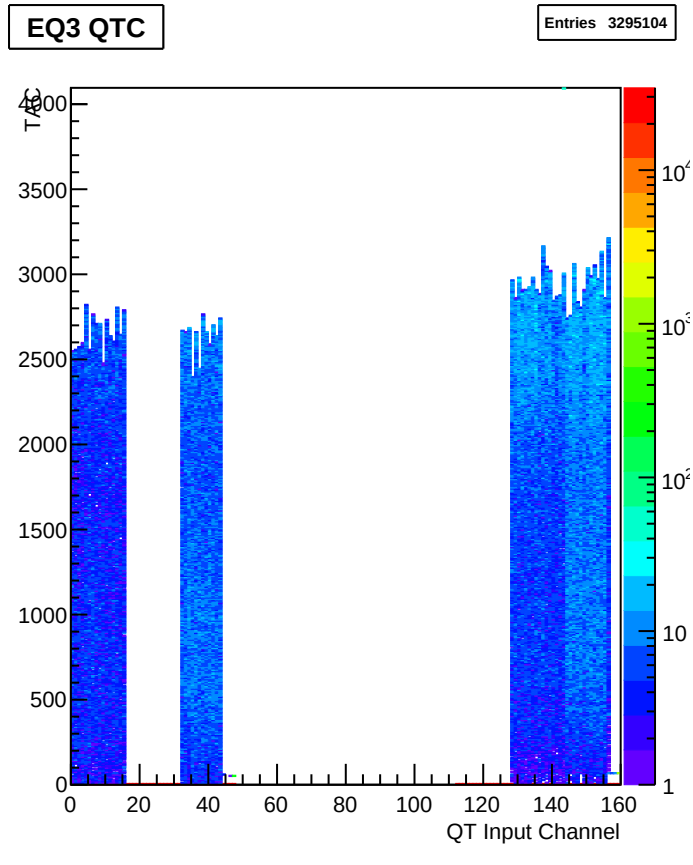

EQ2 QTC
Entries 3295104
ADC
QT Input Channel

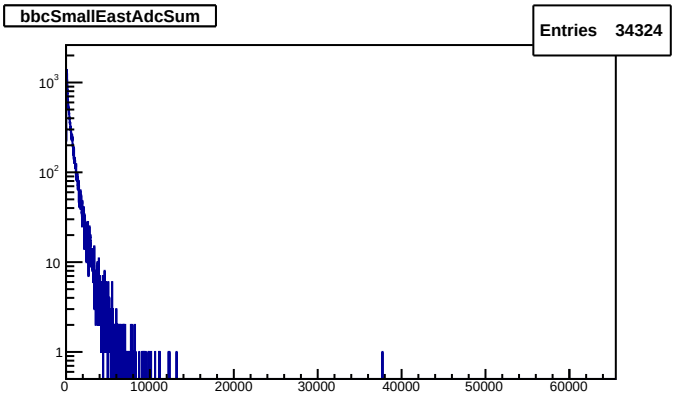

EQ2 QTC
Entries 3295104
TADC
QT Input Channel

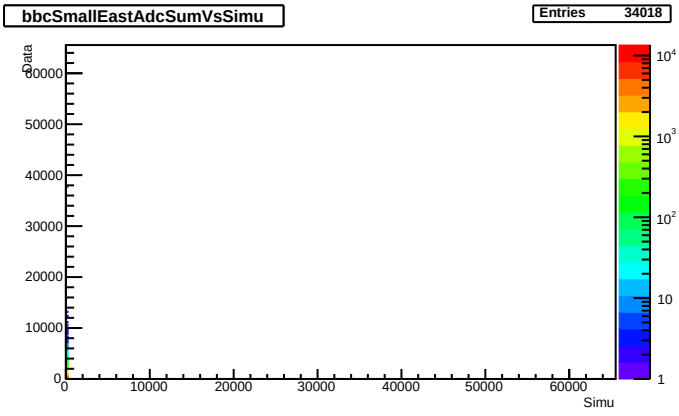

EQ3 QTB
Entries 8786944
ADC
QT Input Channel

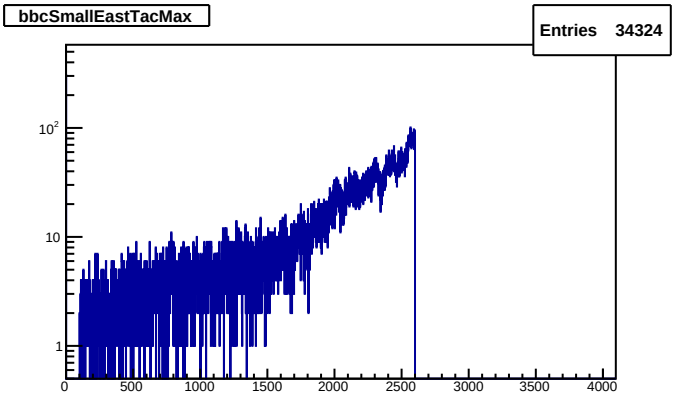

EQ3 QTB
Entries 1157205
TDC
QT Input Channel

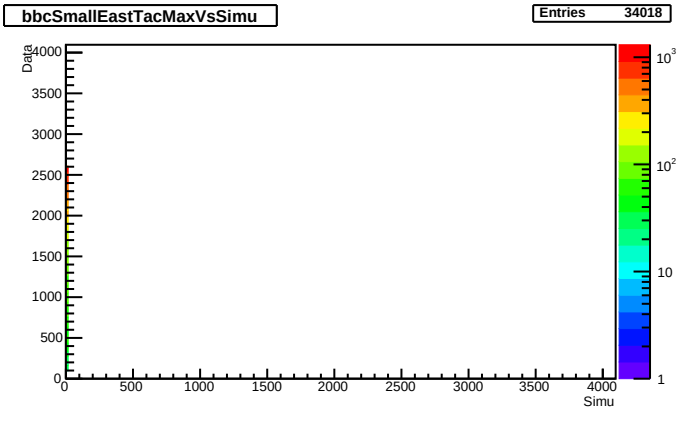

EQ3 QTC
Entries 3295104
ADC
QT Input Channel

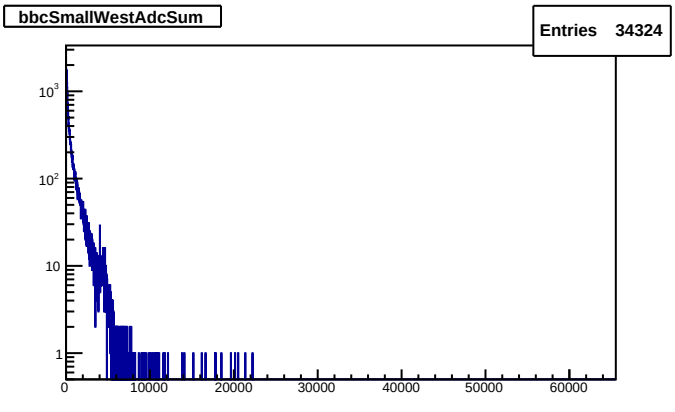

EQ3 QTC
Entries 3295104
TADC
QT Input Channel

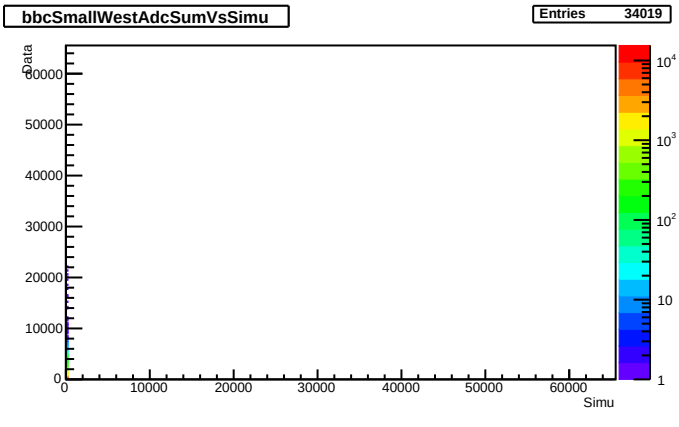

bbcSmallEastAdcSum
Entries 34324

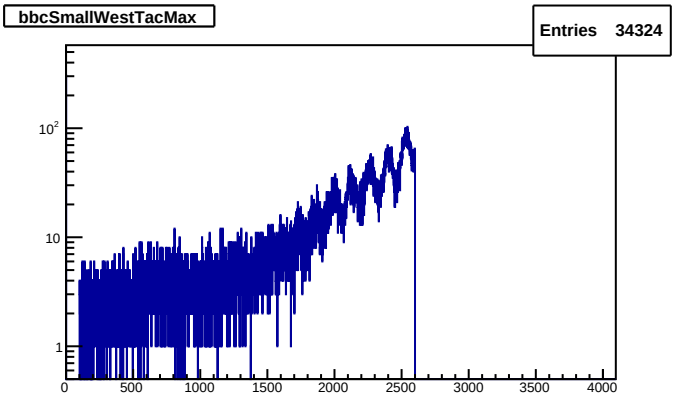

bbcSmallEastAdcSumVsSimu
Entries 34018
Data
Simu

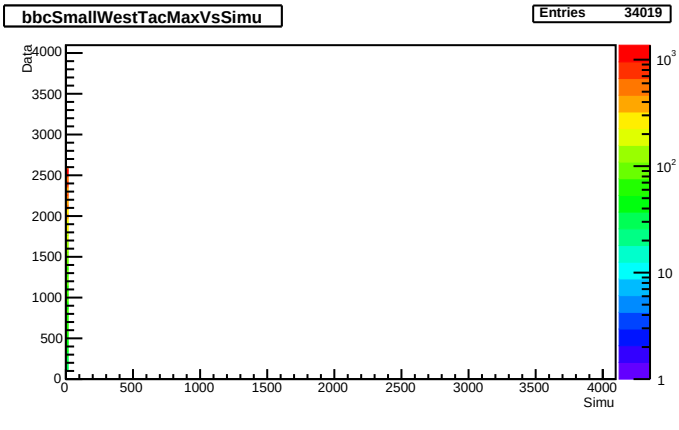

bbcSmallEastTacMax
Entries 34324

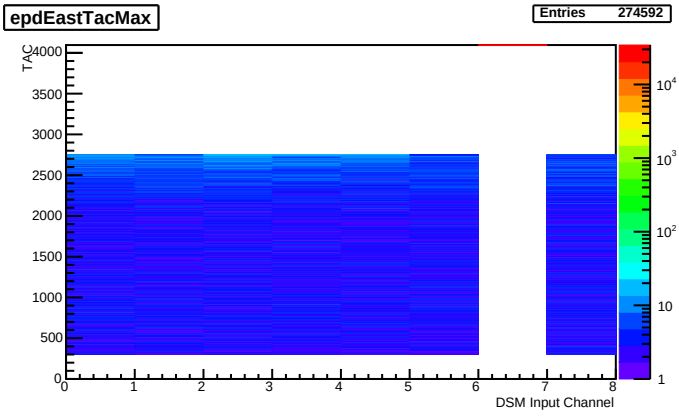

bbcSmallEastTacMaxVsSimu
Entries 34018
Data
Simu

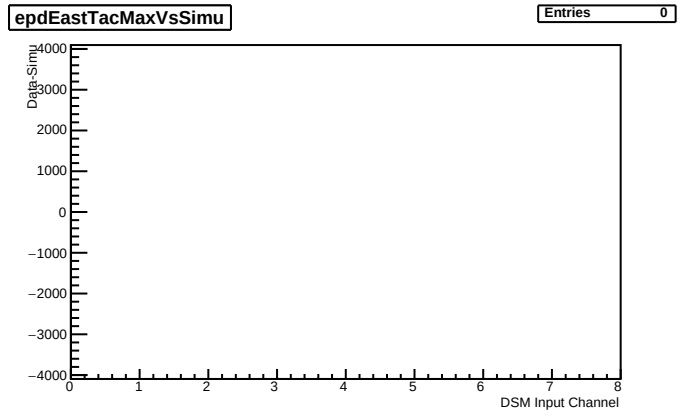

bbcSmallWestAdcSum
Entries 34324

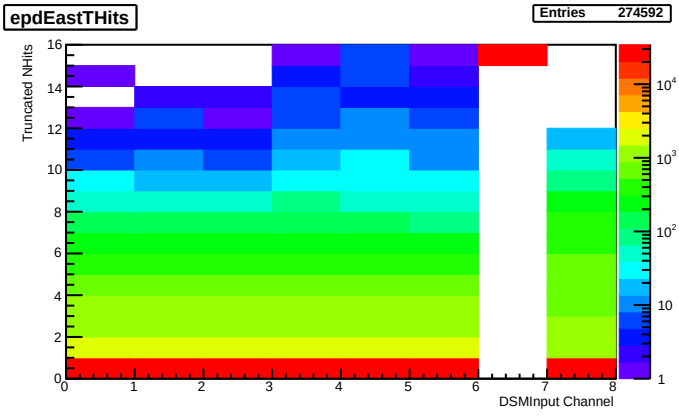

bbcSmallWestAdcSumVsSimu
Entries 34019
Data
Simu

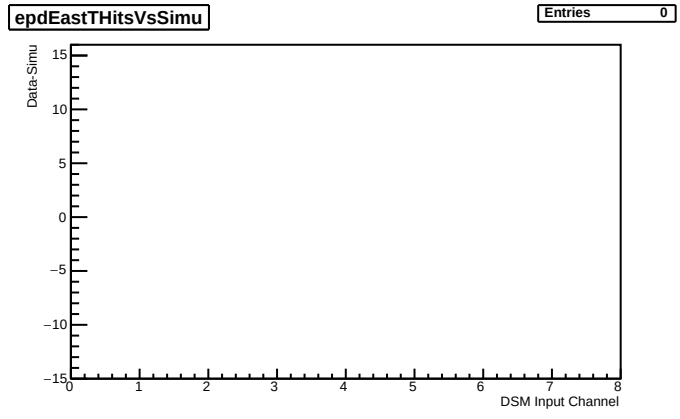

bbcSmallWestTacMax
Entries 34324

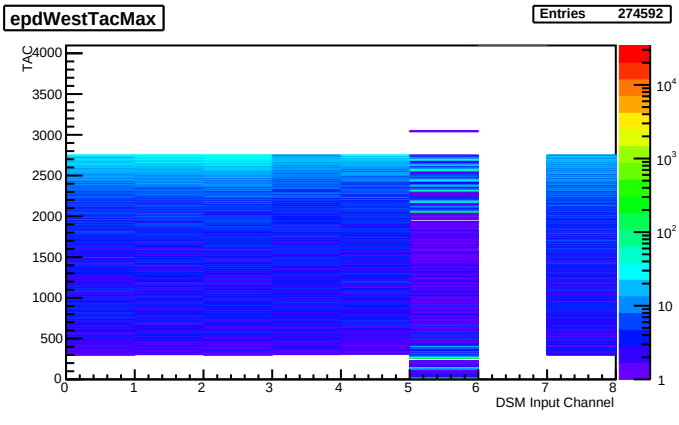

bbcSmallWestTacMaxVsSimu
Entries 34019
Data
Simu

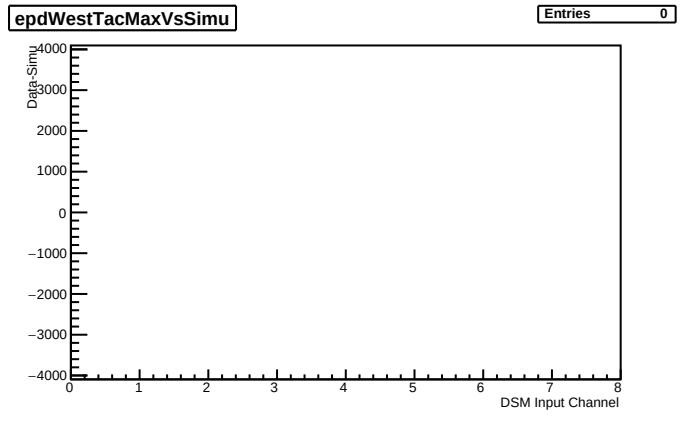

epdEastTacMax
Entries 274592
TAC
DSM Input Channel

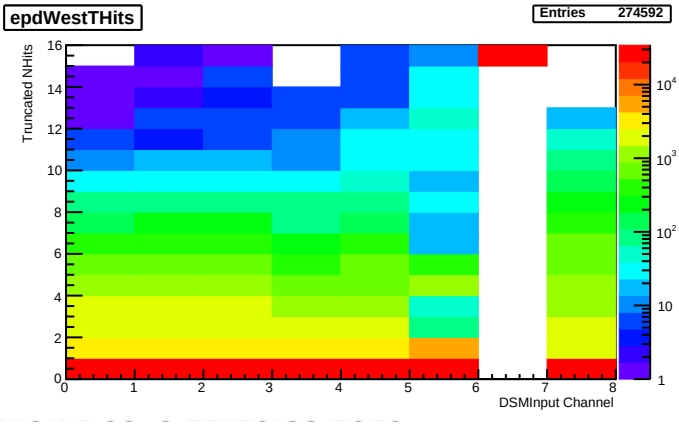

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

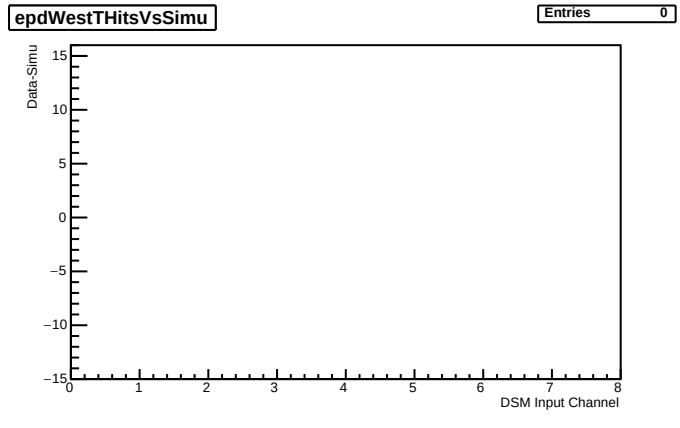

epdEastTHits
Entries 274592
Truncated NHits
DSMInput Channel

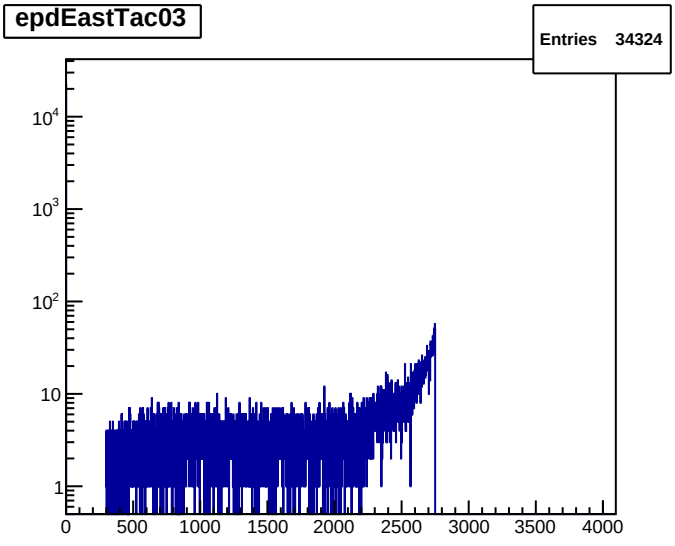

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

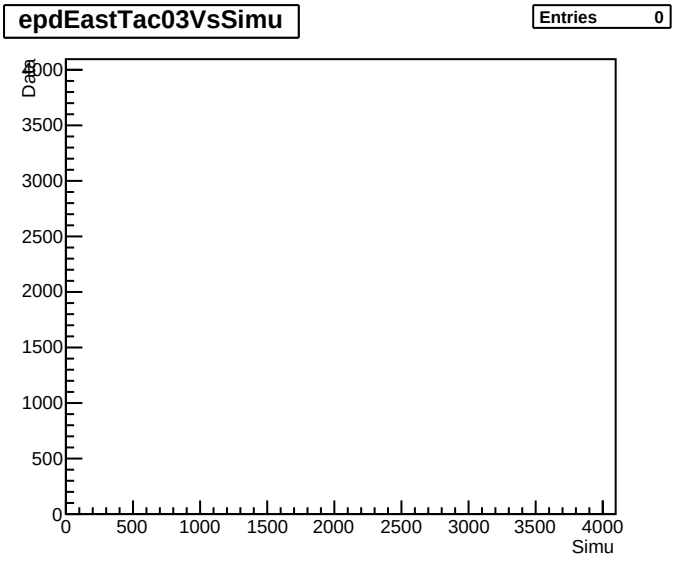

epdWestTacMax
Entries 274592
TAC
DSM Input Channel

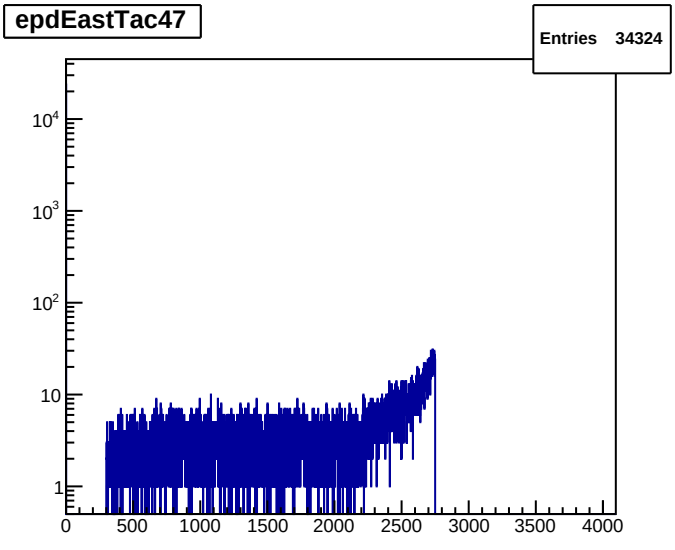

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

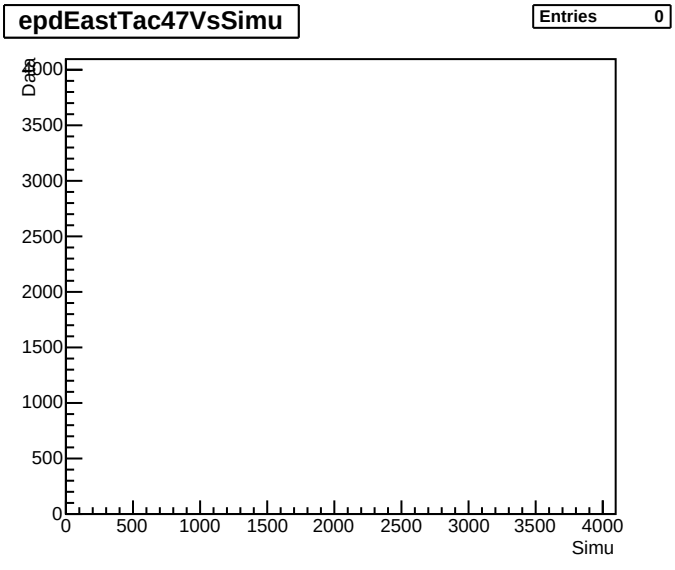

epdWestTHits
Entries 274592
Truncated NHits
DSMInput Channel

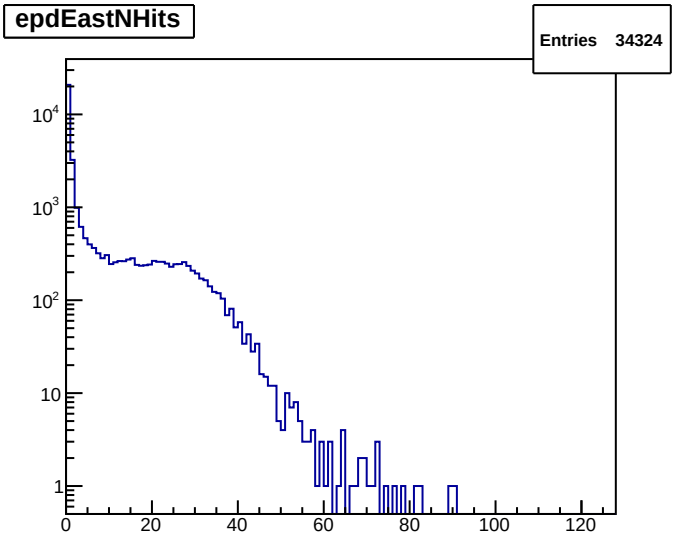

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

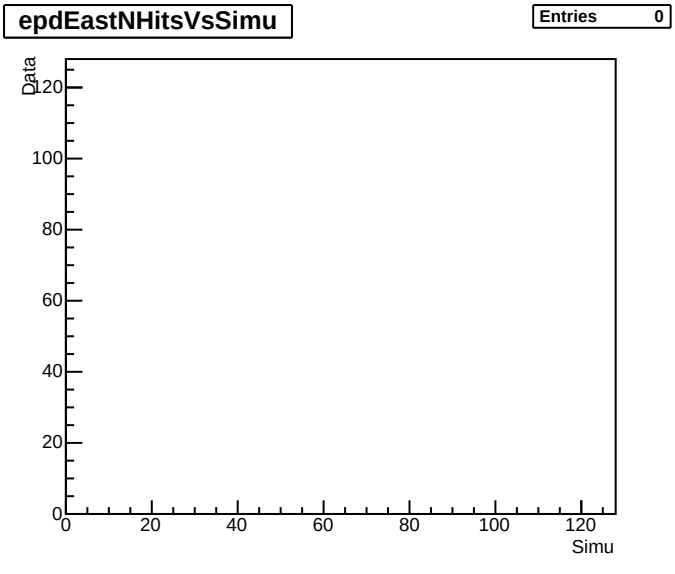

epdEastTac03
Entries 34324

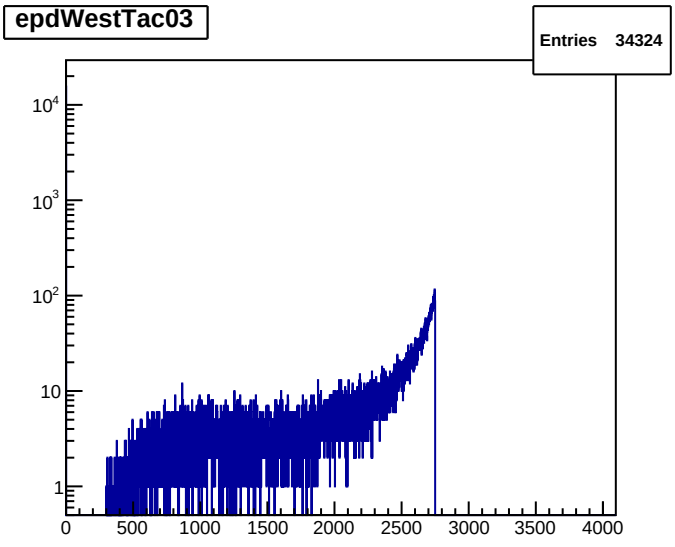

epdEastTac03VsSimu
Entries 0
Data
Simu

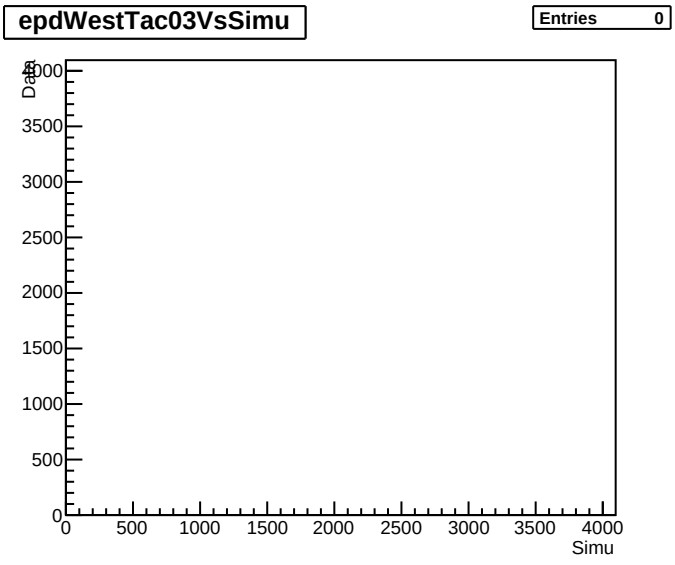

epdEastTac47
Entries 34324


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 34324


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 34324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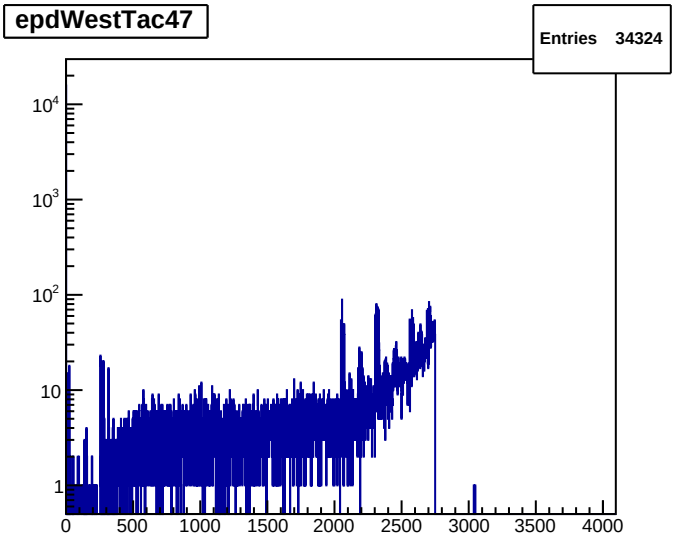
Entries 0
Data
Simu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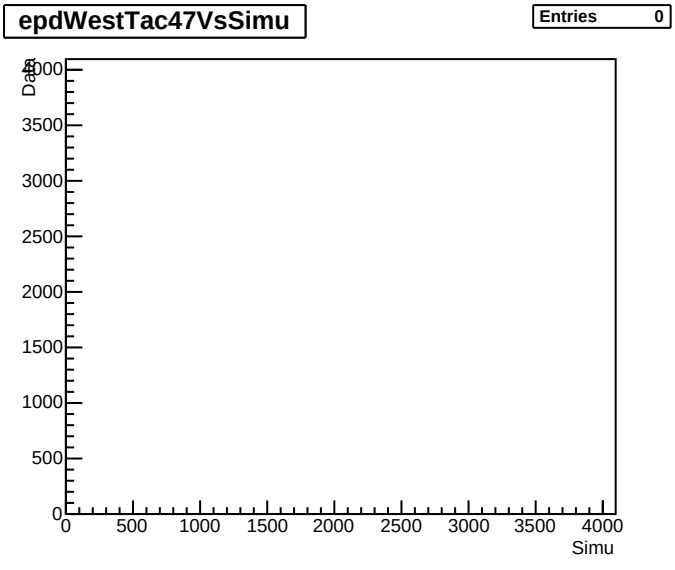
Entries 34324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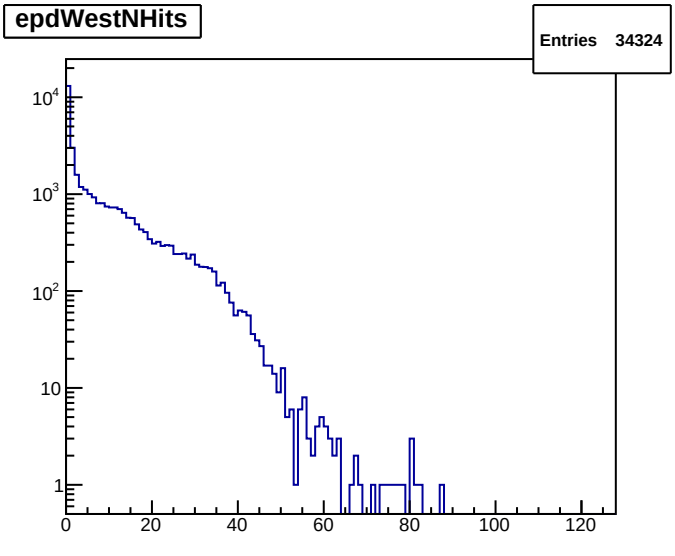
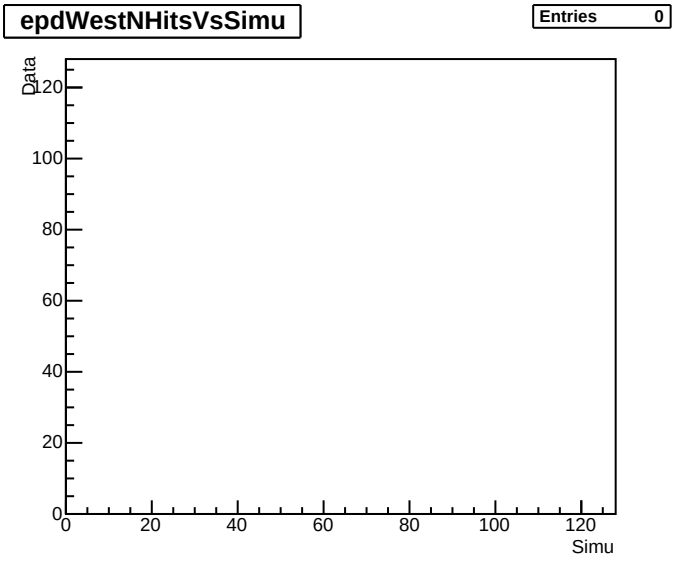
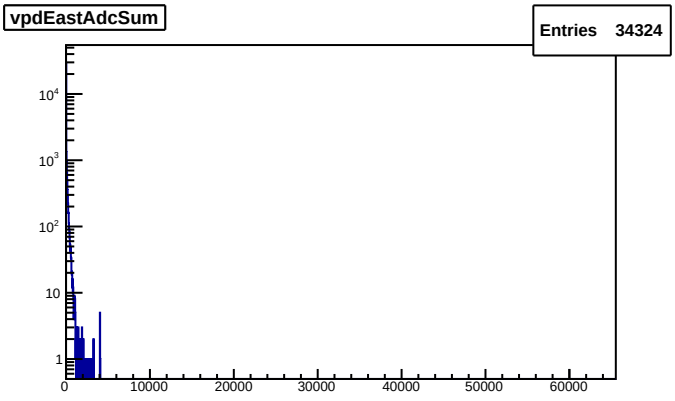
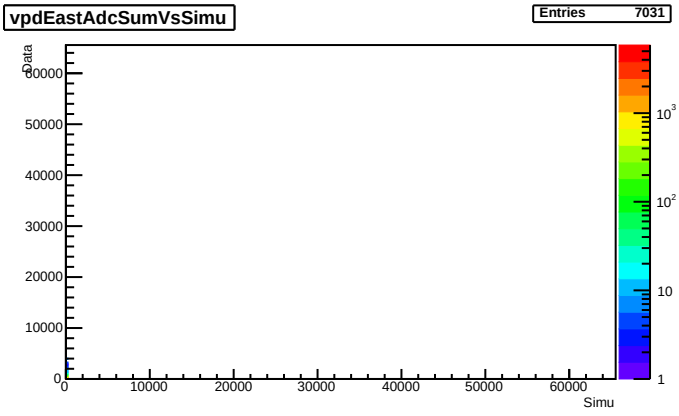
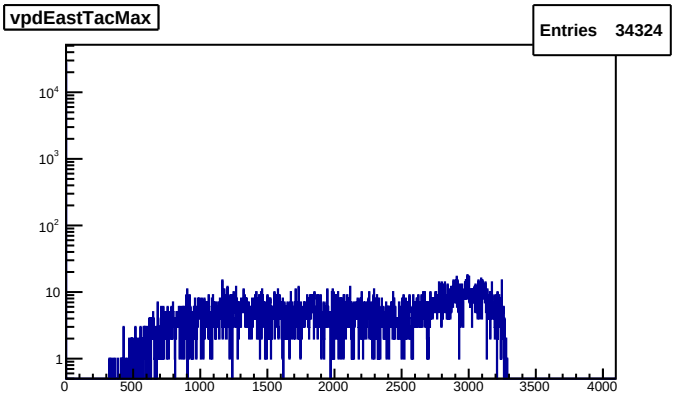
Entries 0
Data
Simu

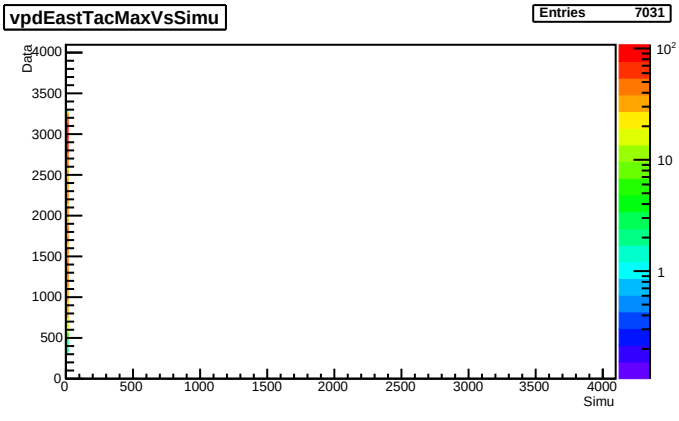

epdWestNHits
Entries 34324

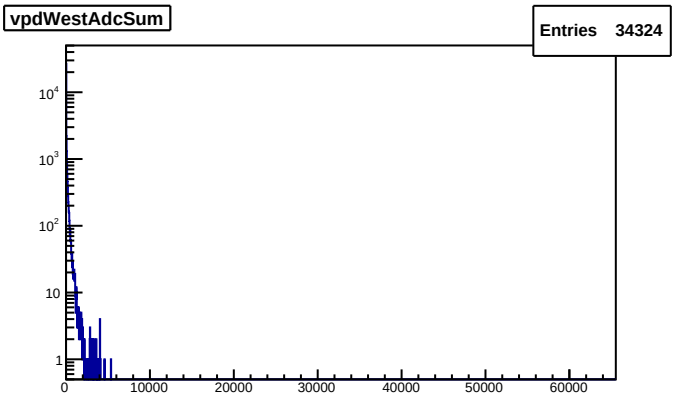

epdWestNHitsVsSimu
Entries 0
Data
Simu

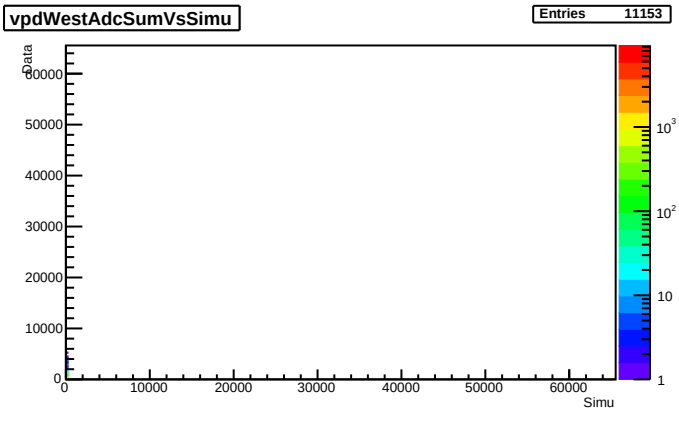

vpdEastAdcSum
Entries 34324

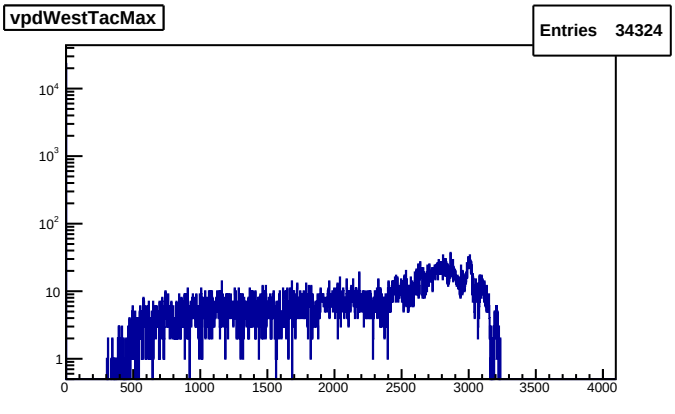

vpdEastAdcSumVsSimu
Entries 7031
Data
Simu

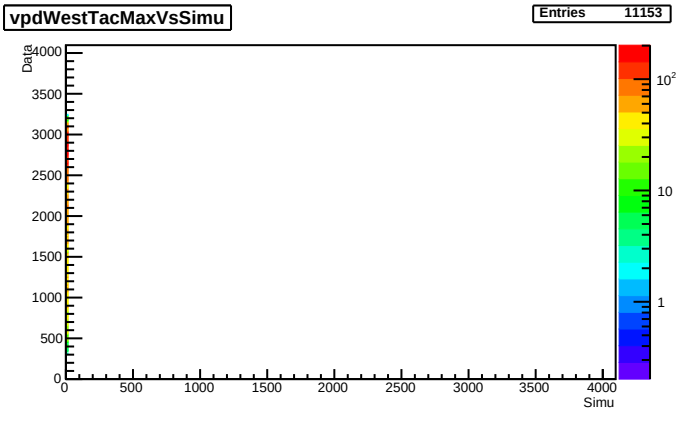

vpdEastTacMax
Entries 34324

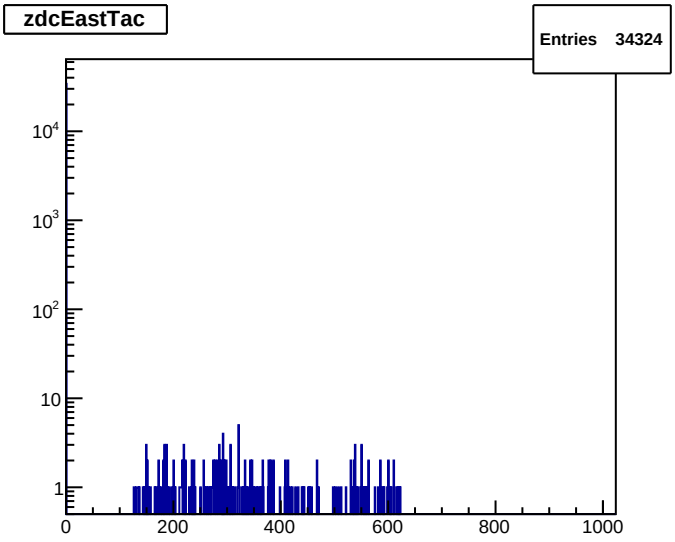

vpdEastTacMaxVsSimu
Entries 7031
Data
Simu

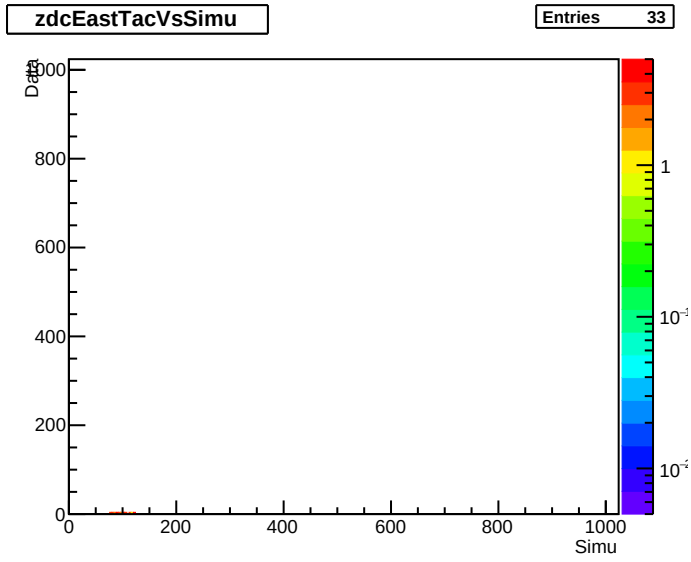

vpdWestAdcSum
Entries 34324

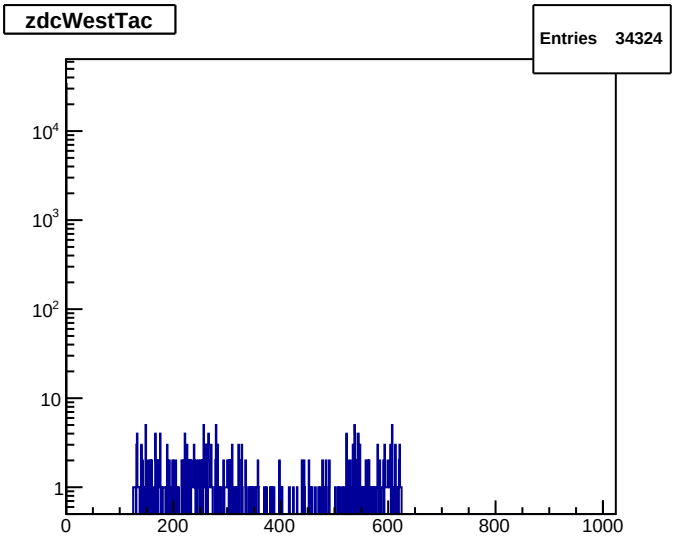

vpdWestAdcSumVsSimu
Entries 11153
Data
Simu

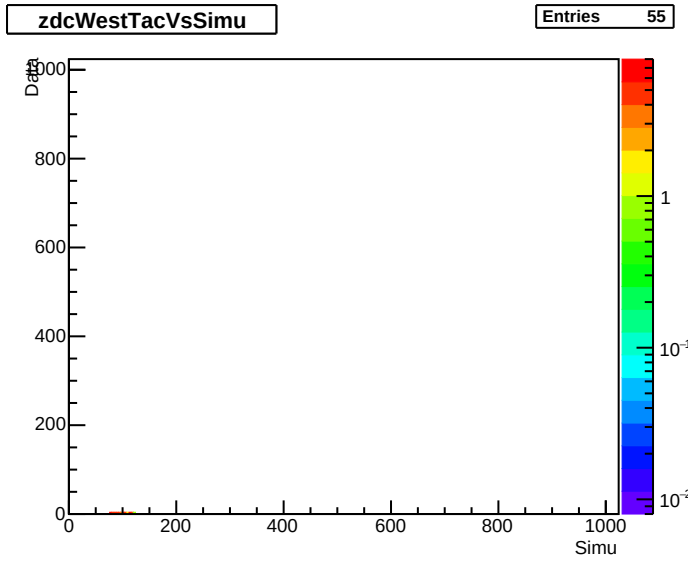

vpdWestTacMax
Entries 34324

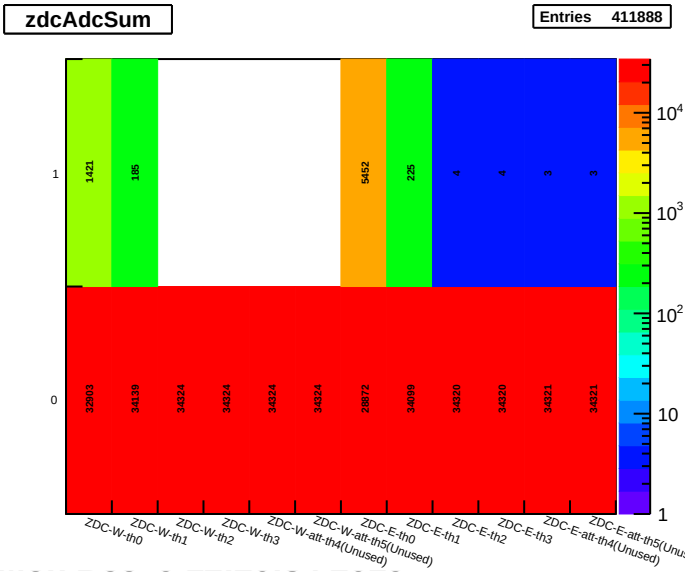

vpdWestTacMaxVsSimu
Entries 11153
Data
Simu

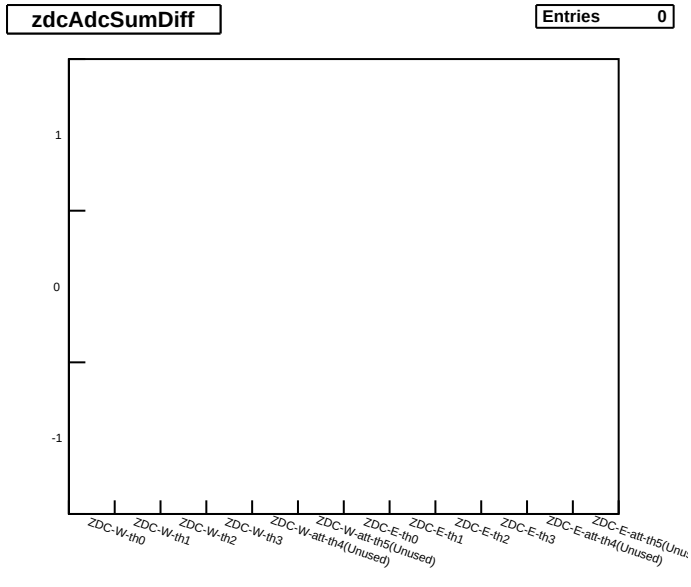

zdcEastTac
Entries 34324

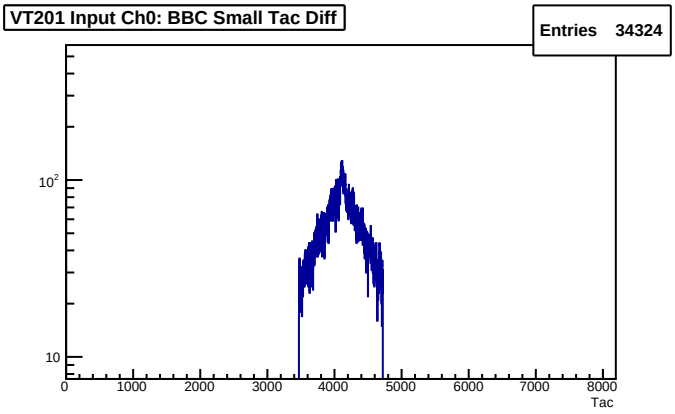

zdcEastTacVsSimu
Entries 33
Data
Simu

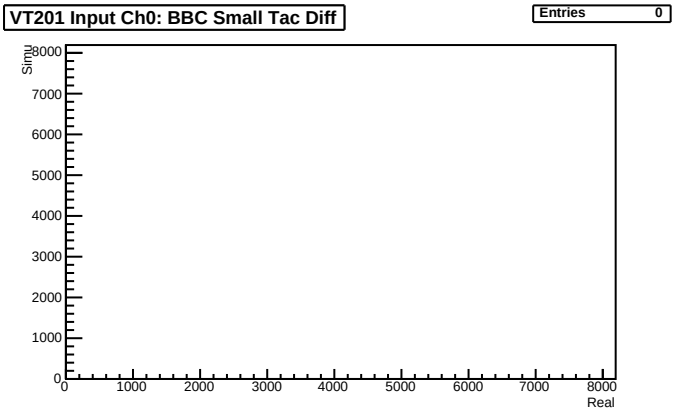

zdcWestTac
Entries 34324

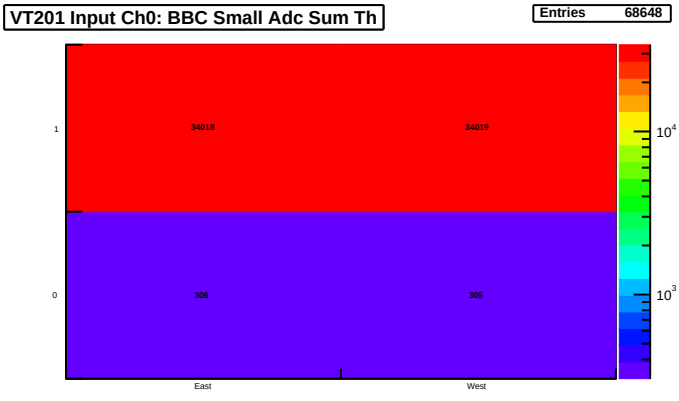

zdcWestTacVsSimu
Entries 55
Data
Simu

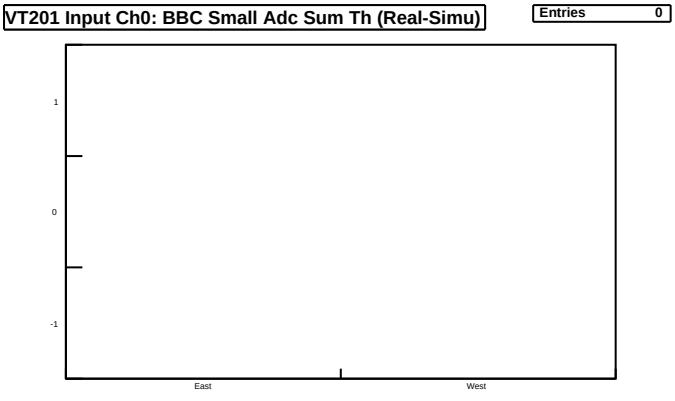

zdcAdcSum
Entries 411888
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

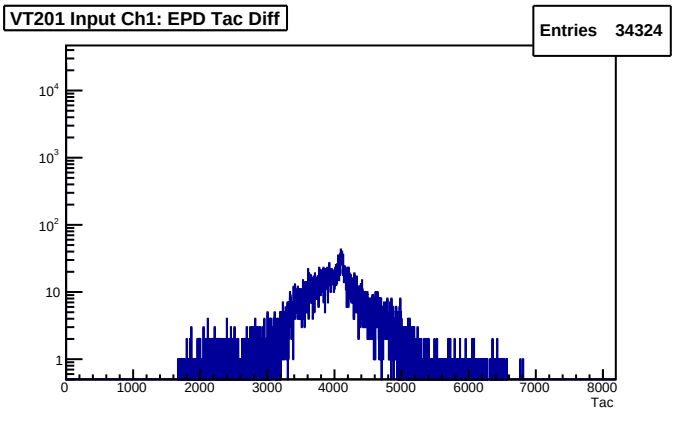

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

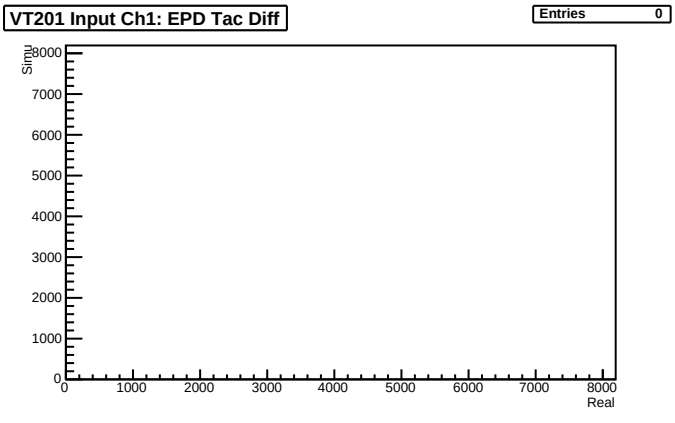

VT201 Input Ch0: BBC Small Tac Diff
Entries 34324
Tac

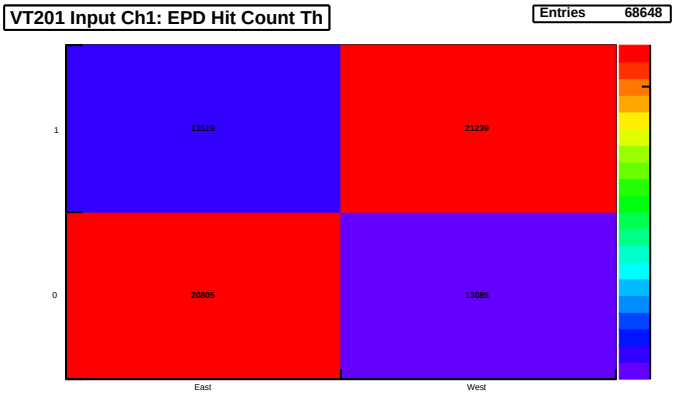

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

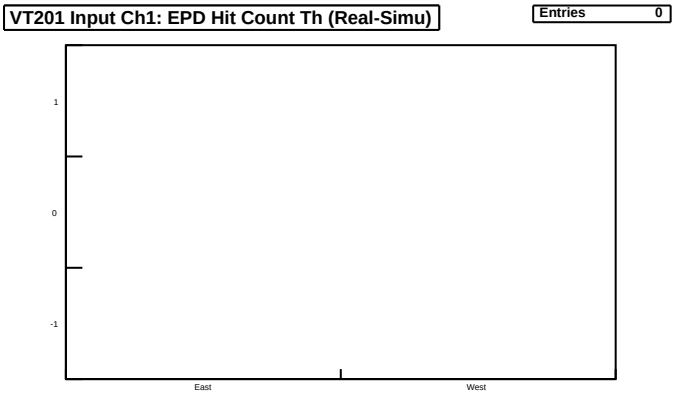

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 68648
34018
34019
306
305
East
West

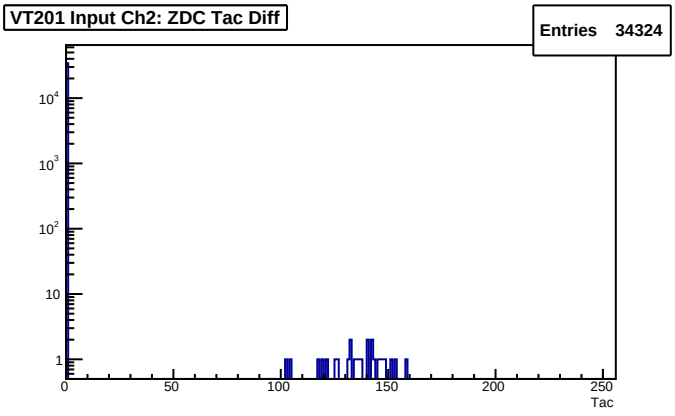

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

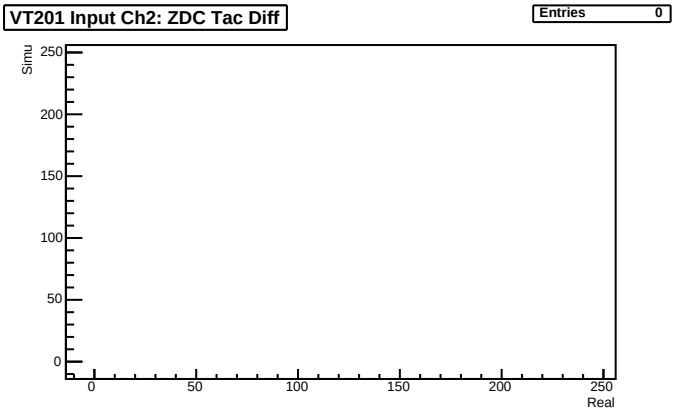

VT201 Input Ch1: EPD Tac Diff
Entries 34324
Tac

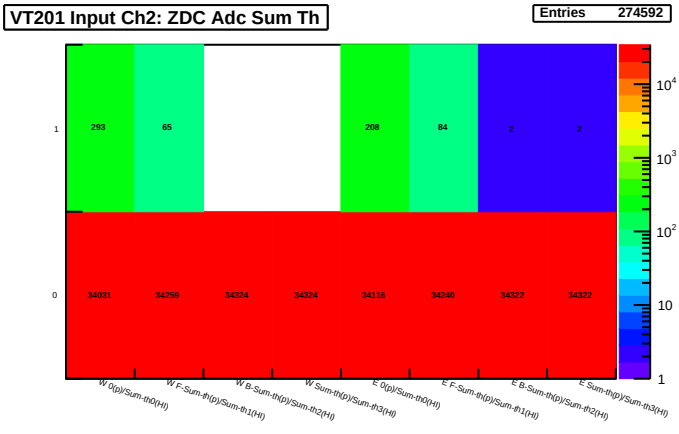

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

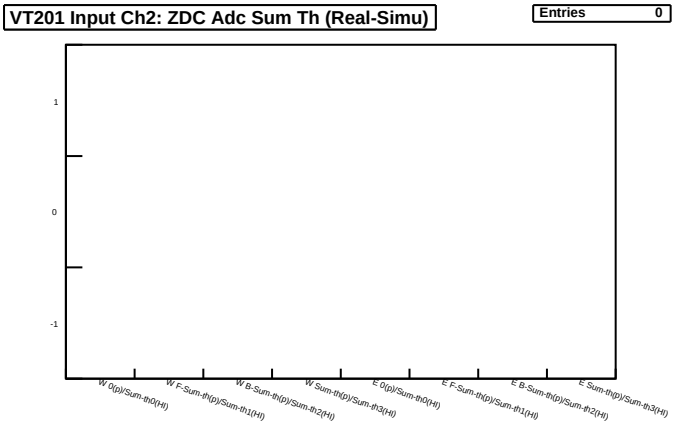

VT201 Input Ch1: EPD Hit Count Th
Entries 68648
13519
21239
20805
13085
East
West

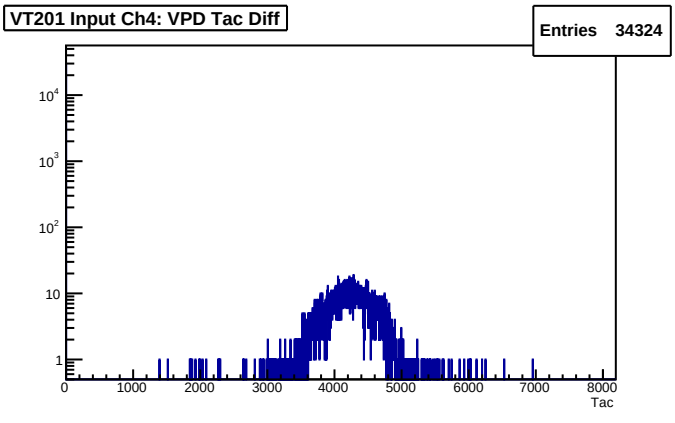

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

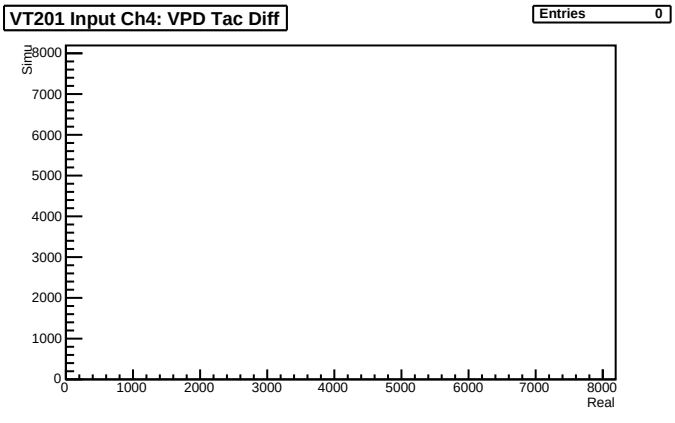

VT201 Input Ch2: ZDC Tac Diff
Entries 34324
Tac

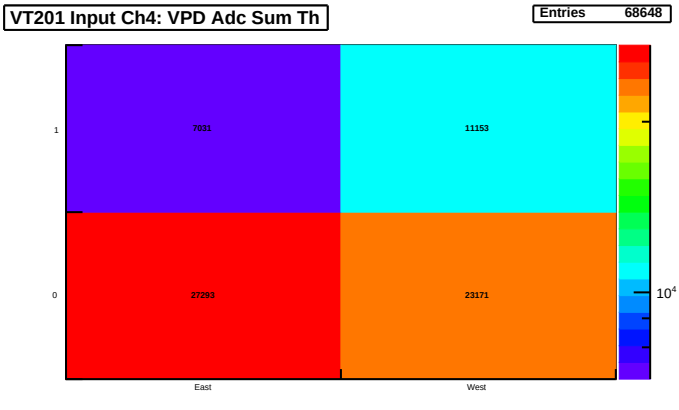

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

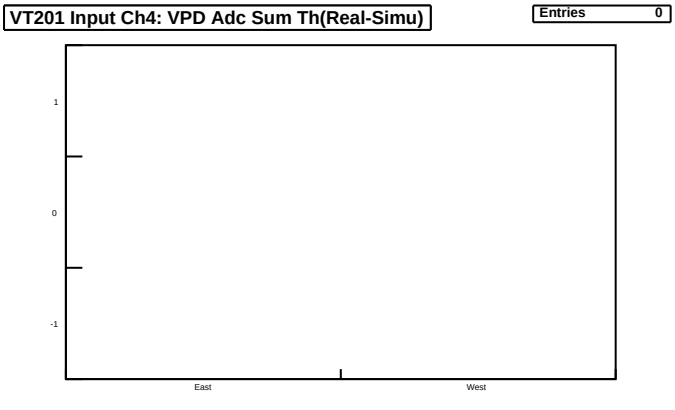

VT201 Input Ch2: ZDC Adc Sum Th
Entries 274592
293
65
208
84
2
2
34031
34259
34324
34324
34116
34240
34322
34322
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

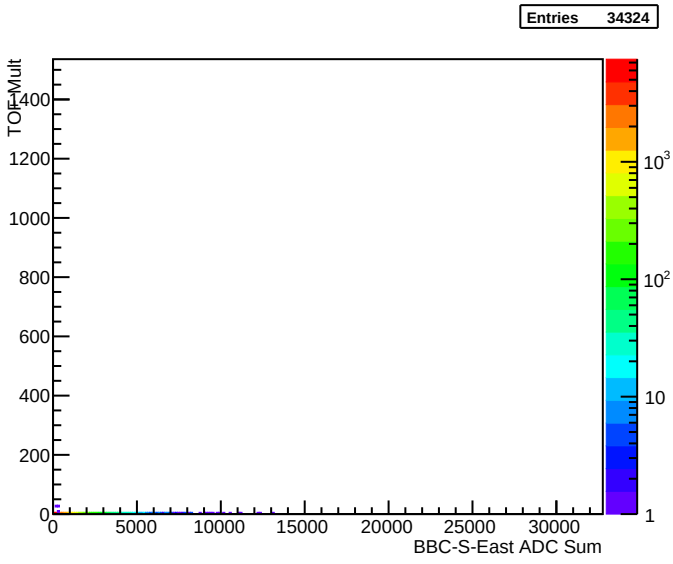

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

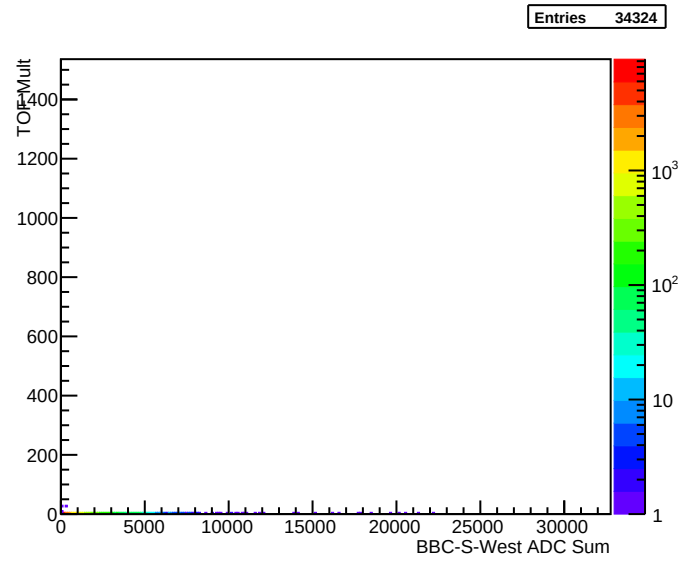

VT201 Input Ch4: VPD Tac Diff
Entries 34324
Tac

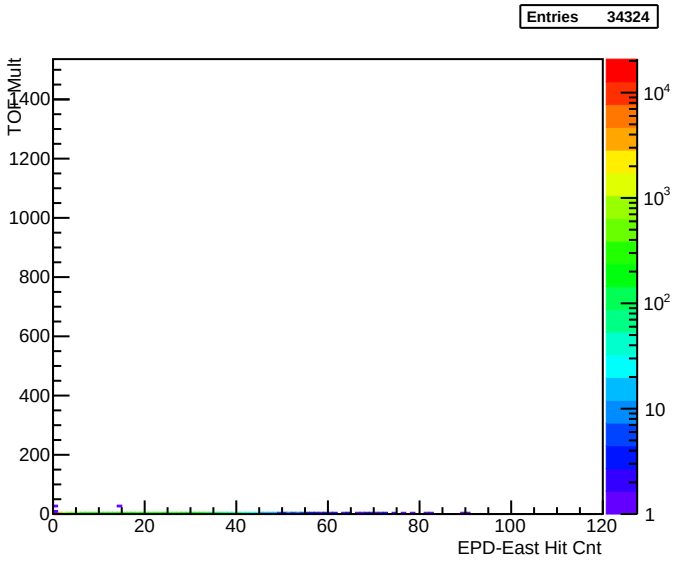

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

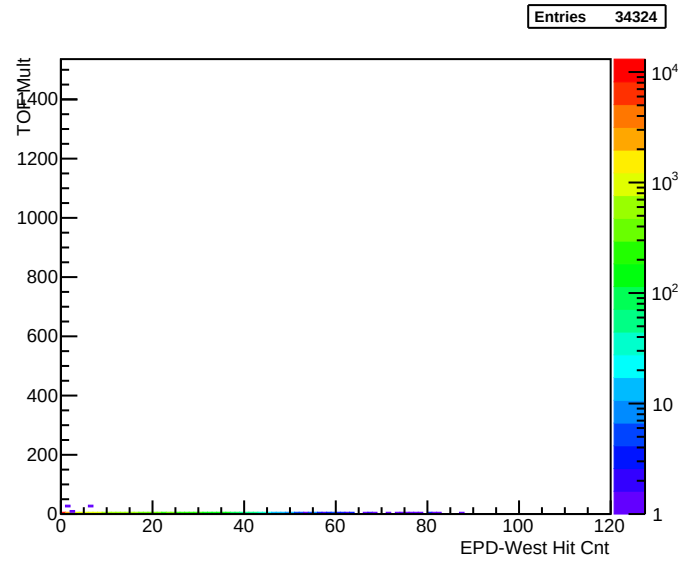

VT201 Input Ch4: VPD Adc Sum Th
Entries 68648
7031
11153
27293
23171
East
West

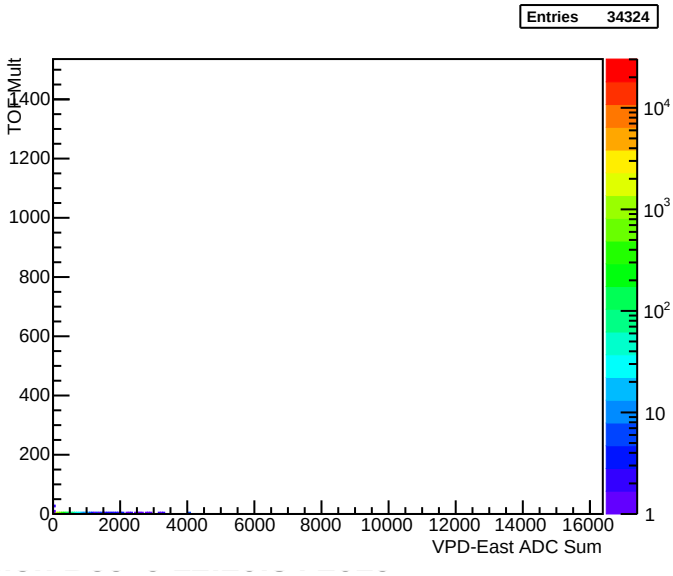

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

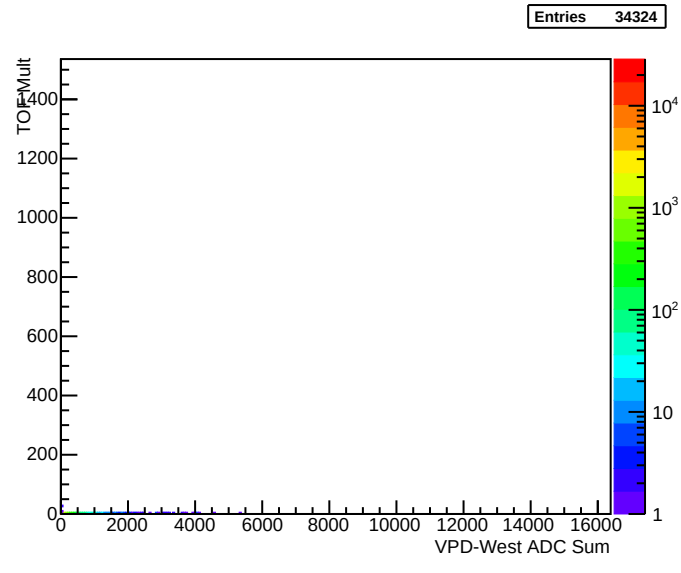

Entries 34324
TOF-Mult
BBC-S-East ADC Sum

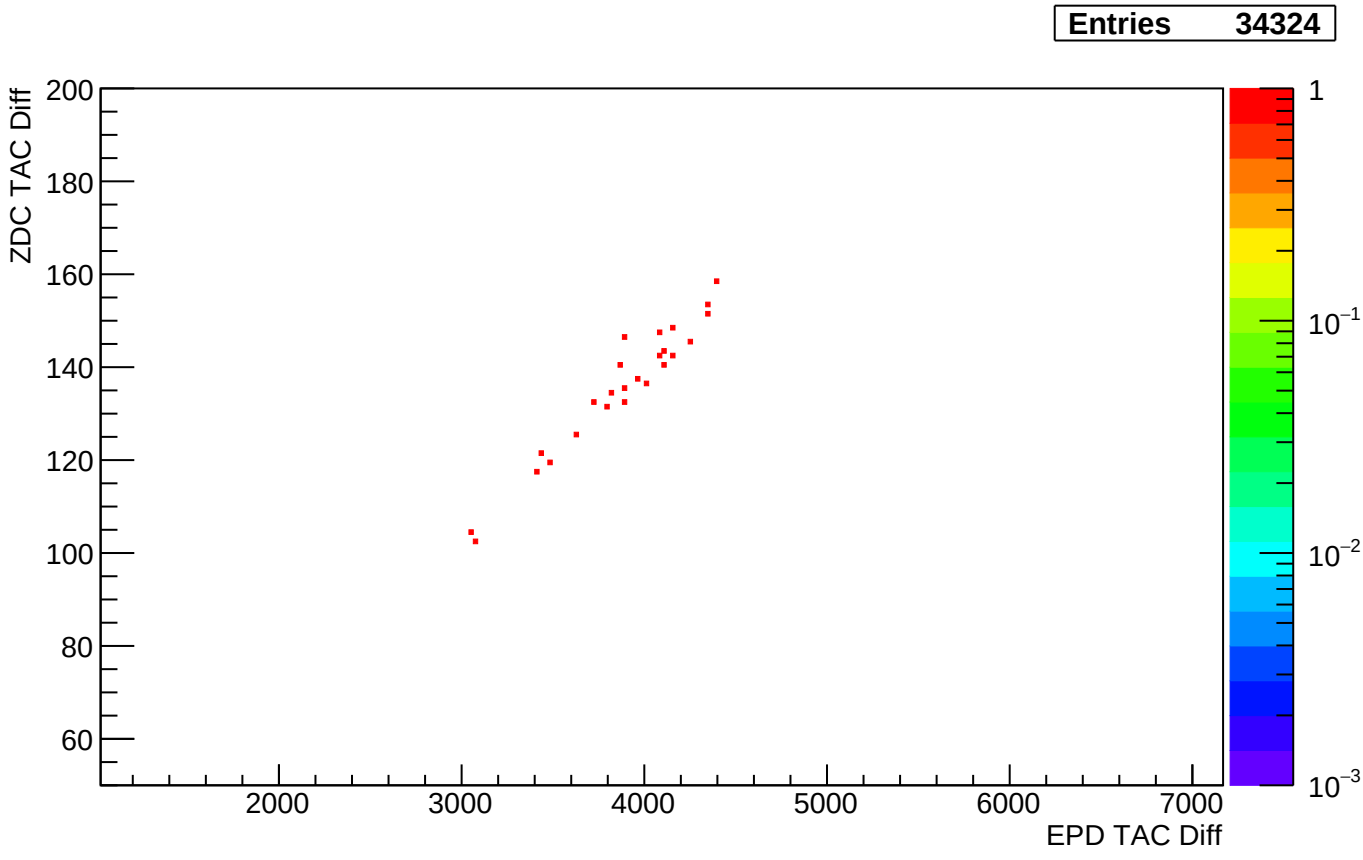

Entries 34324
TOF-Mult
BBC-S-West ADC Sum

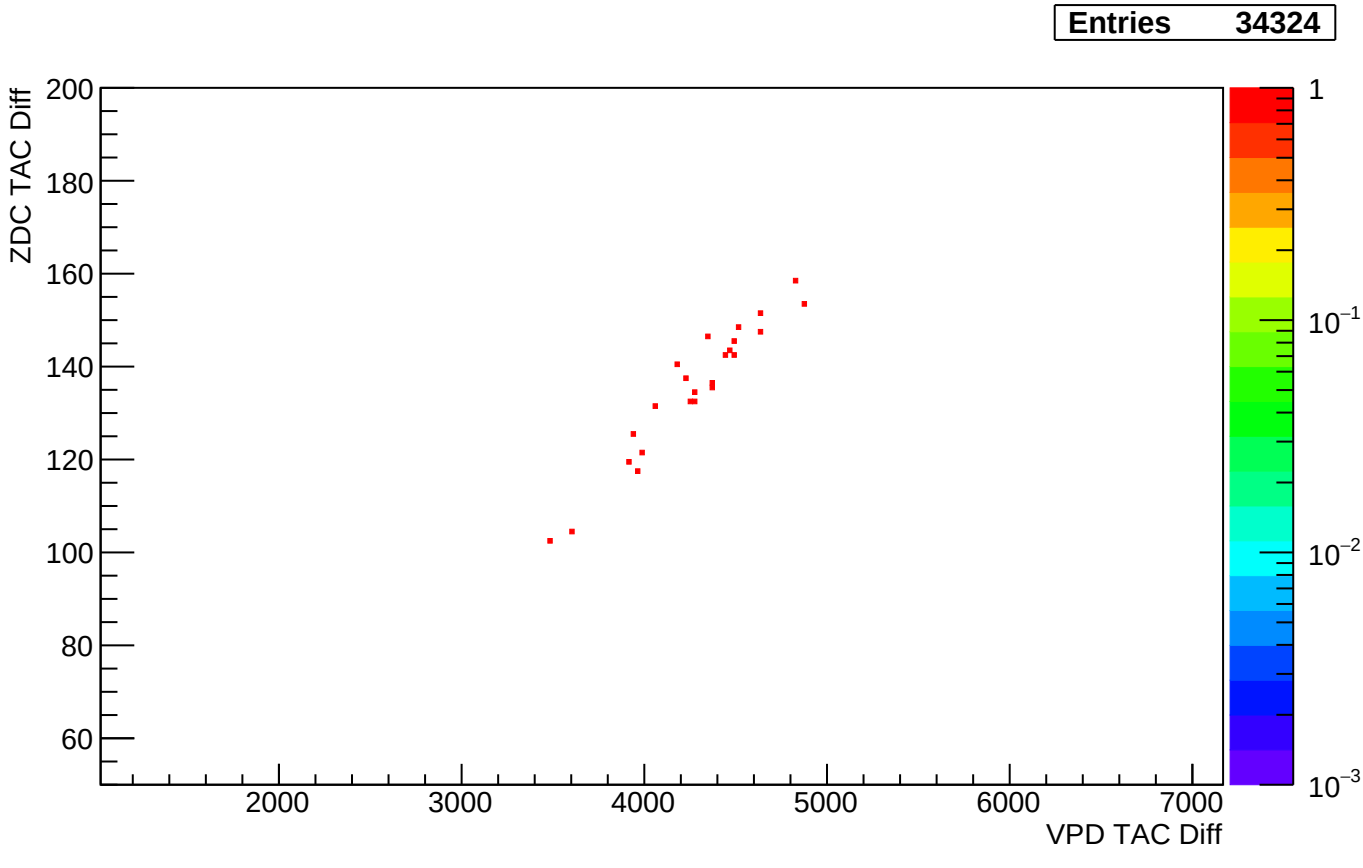

Entries 34324
TOF-Mult
EPD-East Hit Cnt

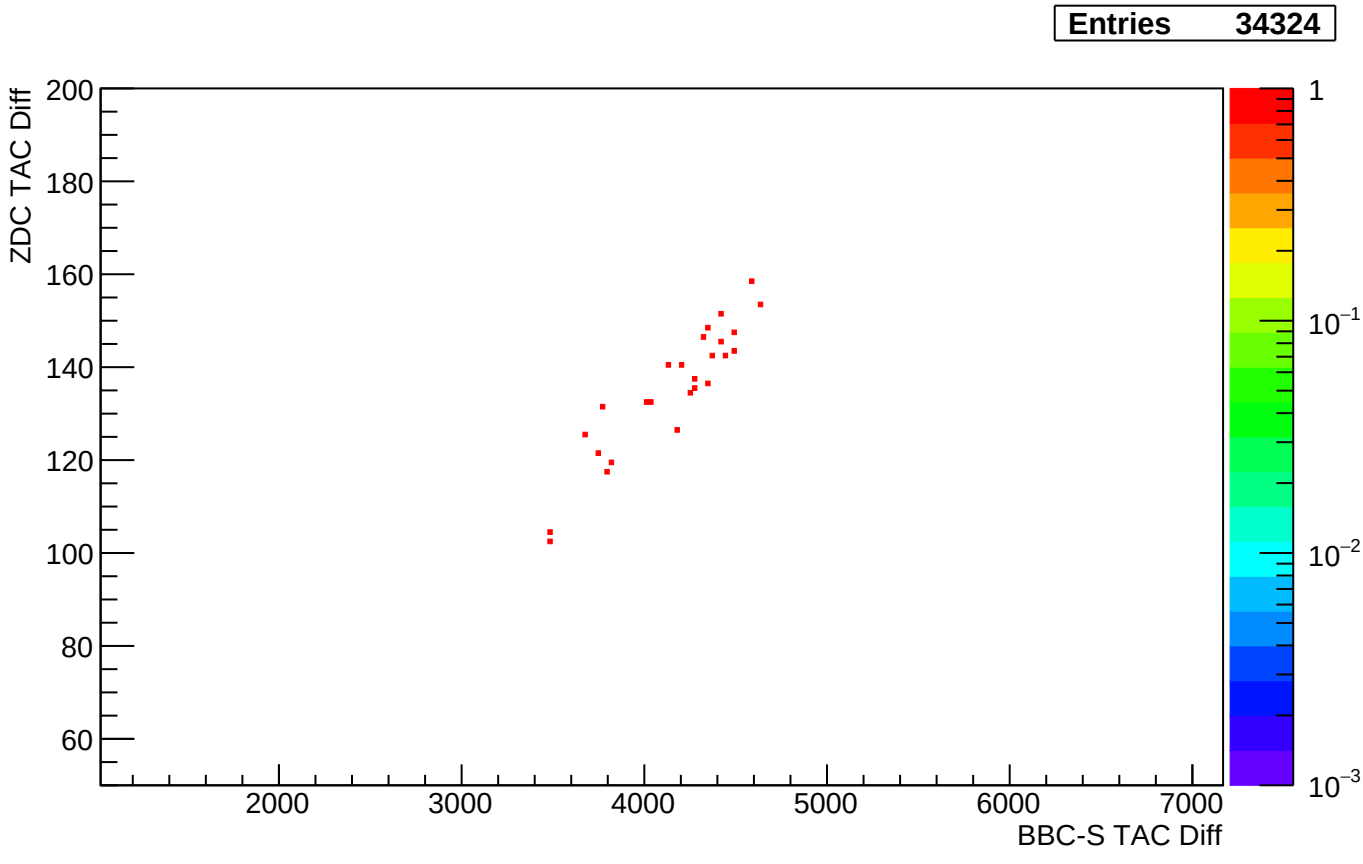

Entries 34324
TOF-Mult
EPD-West Hit Cnt

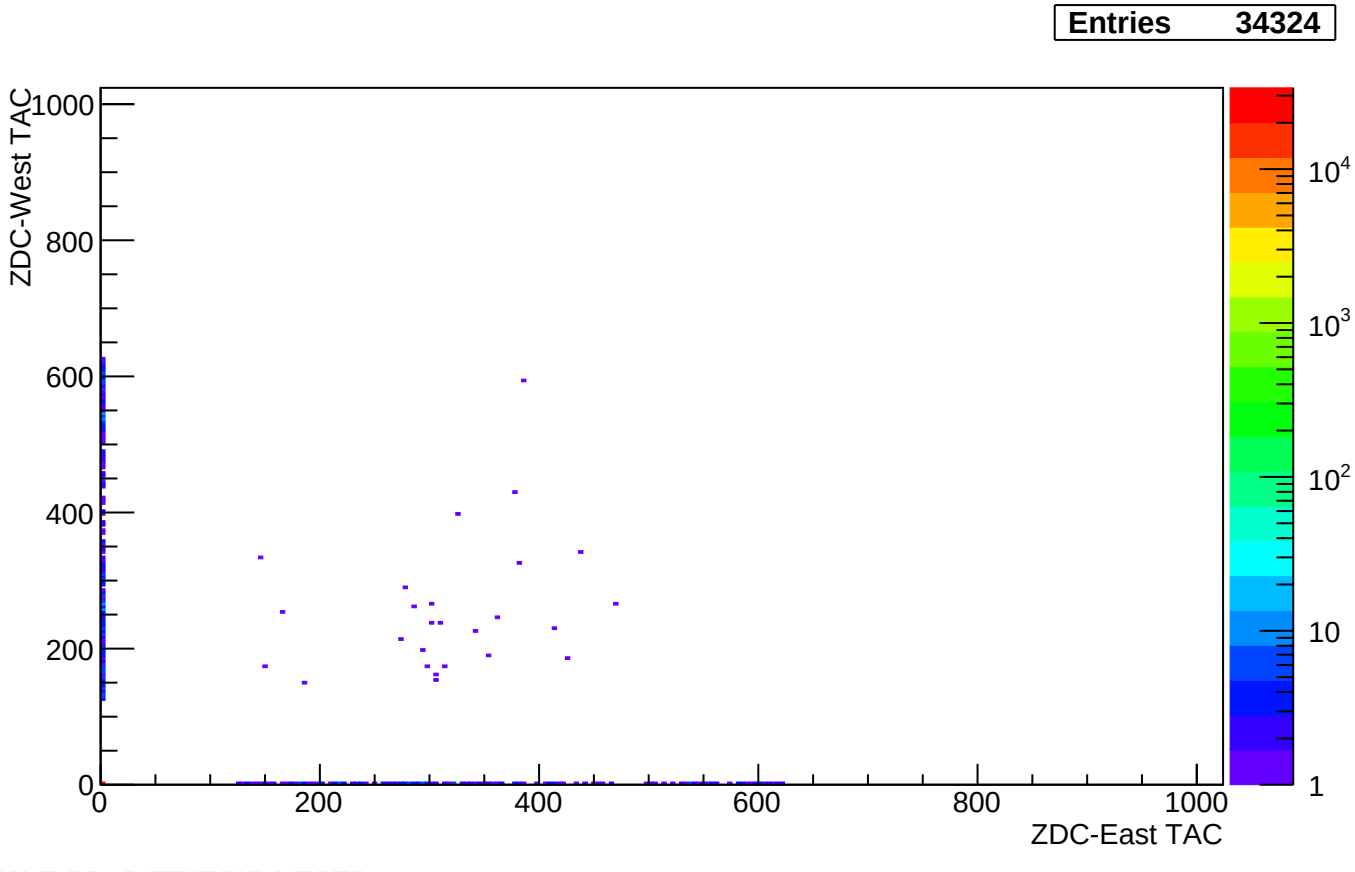

Entries 34324
TOF-Mult
VPD-East ADC Sum

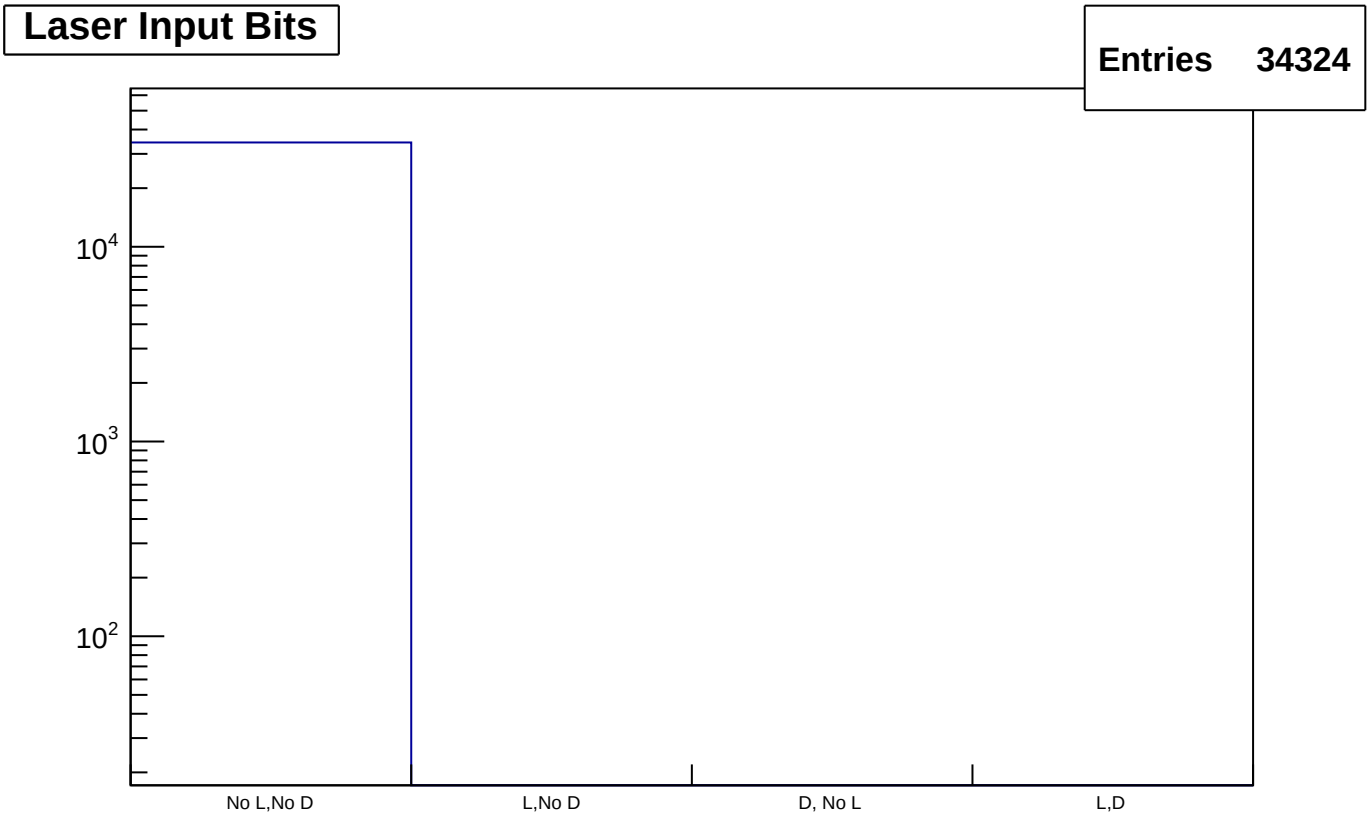

Entries 34324
TOF-Mult
VPD-West ADC Sum

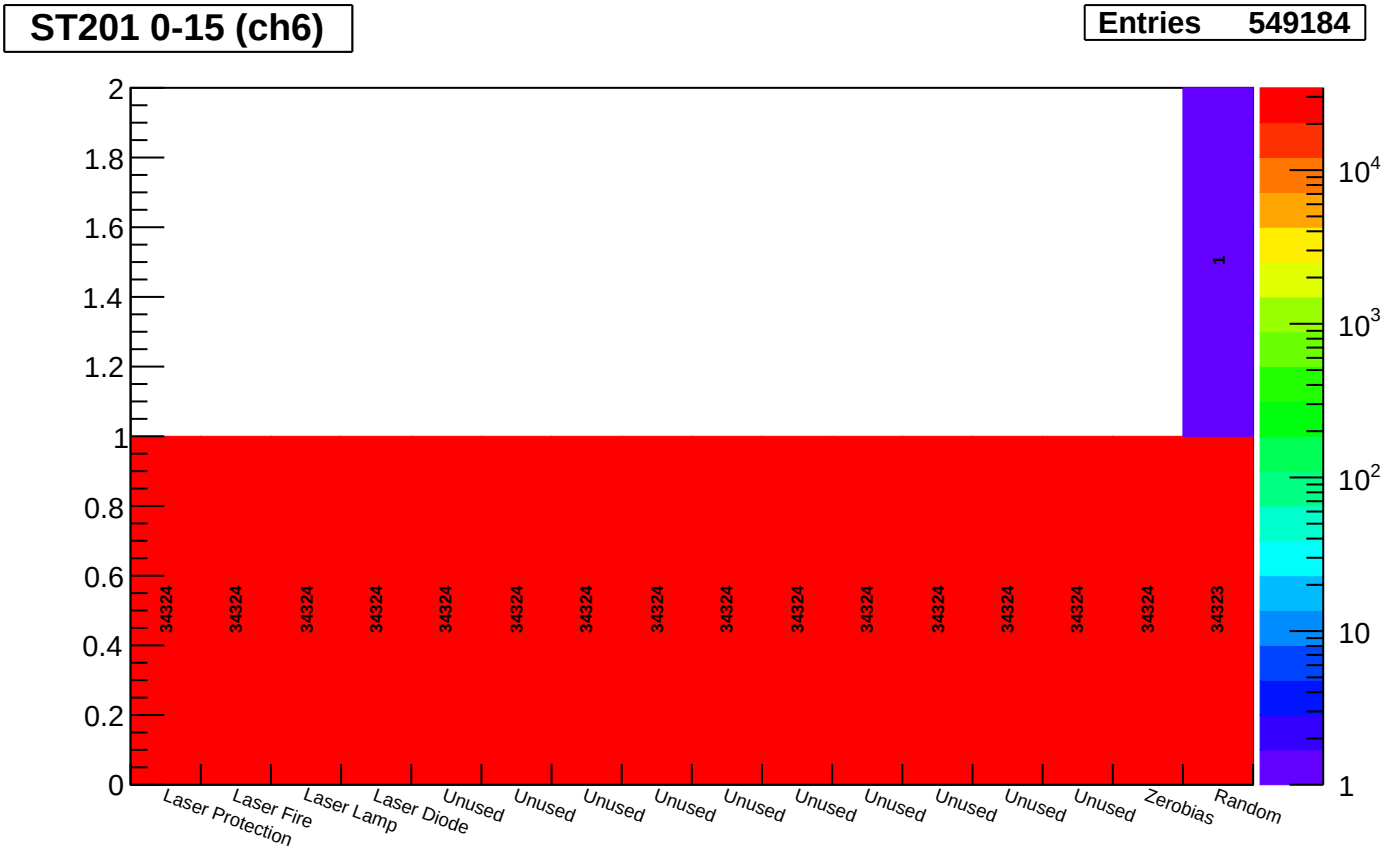

Entries 34324
ZDC TAC Diff
EPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

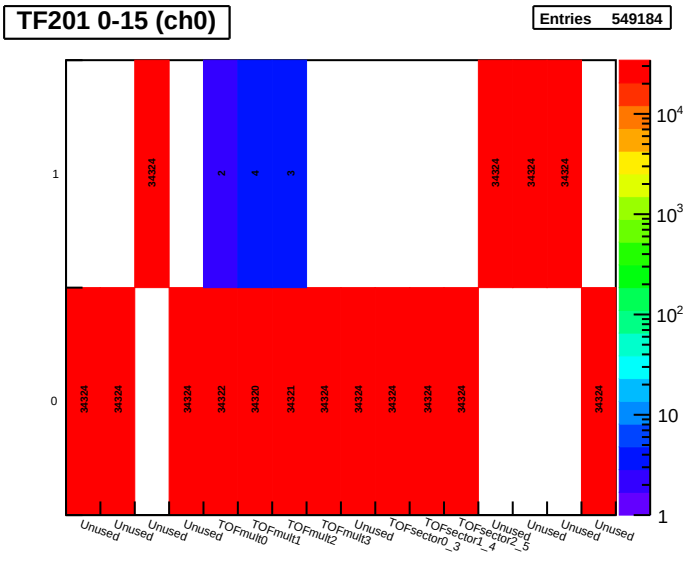

Entries 34324
ZDC TAC Diff
VPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

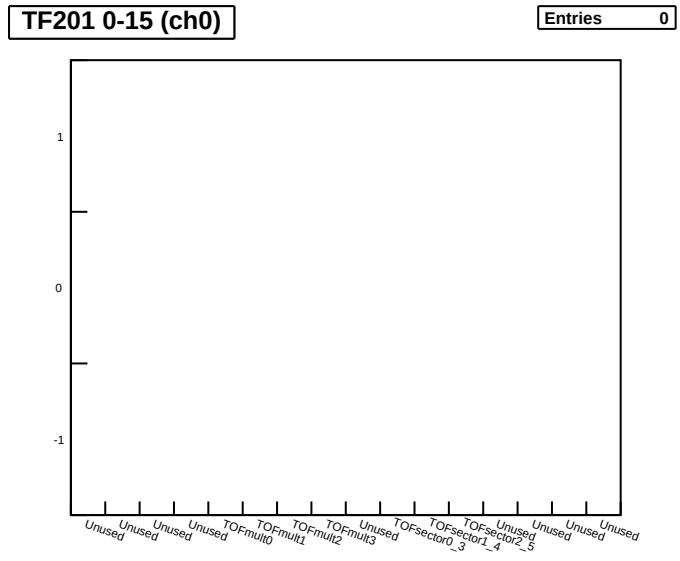

Entries 34324
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

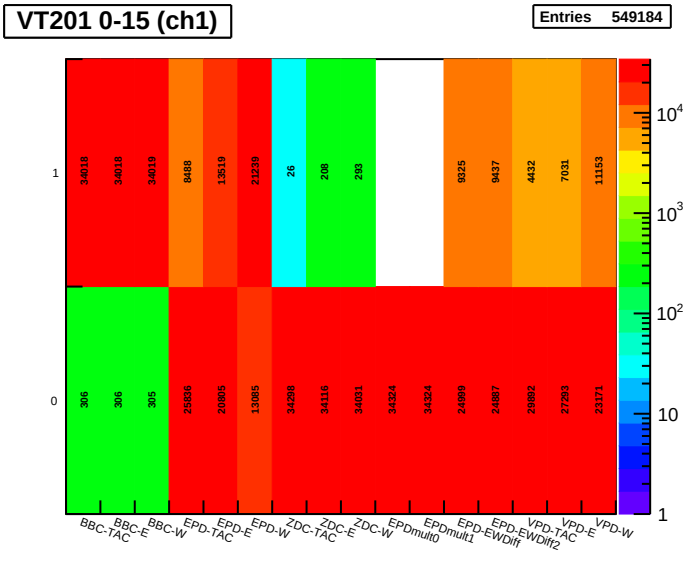

Entries 34324
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

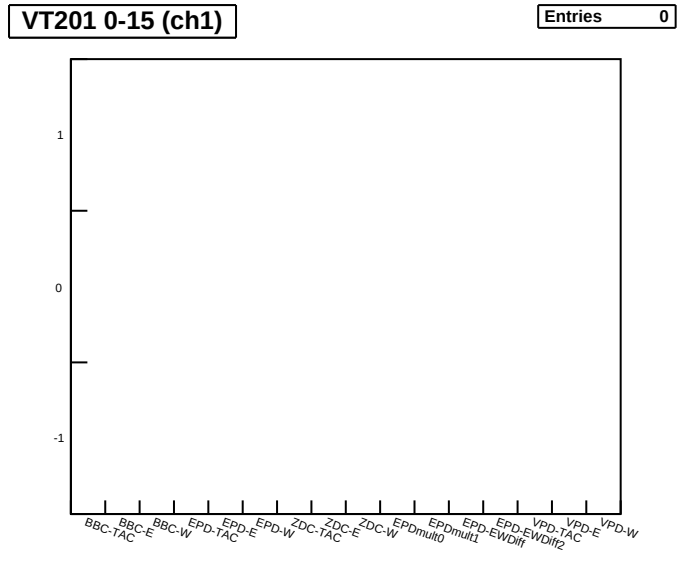

Laser Input Bits
Entries 34324
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

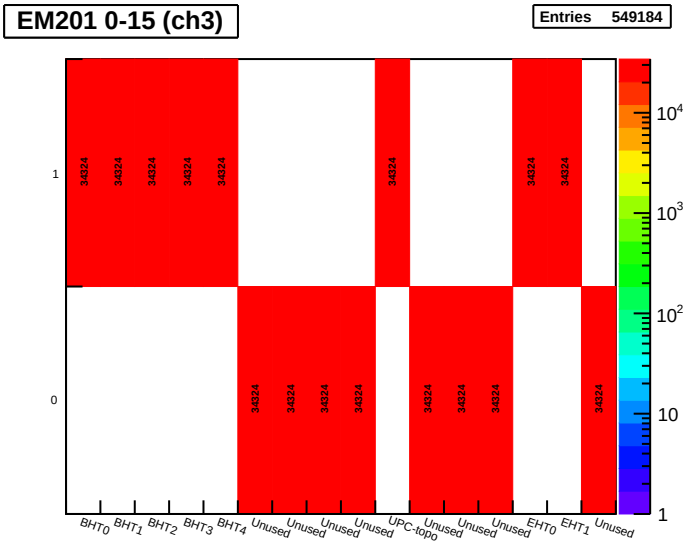

ST201 0-15 (ch6)
Entries 549184
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
34324
34323
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

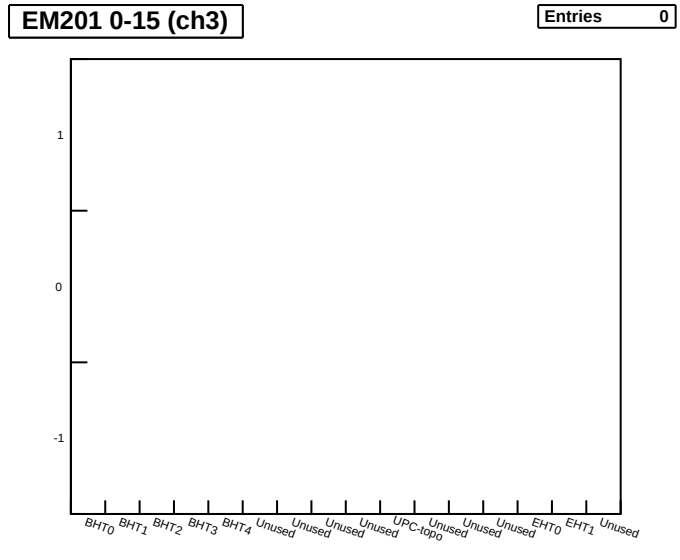

TF201 0-15 (ch0)
Entries 549184
1
0
34324
2
4
3
34324
34324
34324
34324
34324
34322
34320
34321
34324
34324
34324
34324
34324
34324
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
10^3
10^2
10
1


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 549184
1
0
34018
34018
34019
8488
13519
21239
26
208
293
9325
9437
4432
7031
11153
306
306
305
25836
20805
13085
34298
34116
34031
34324
34324
24999
24887
29892
27293
23171
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 549184
1
0
34324
34324
34324
34324
34324
34324
34324
34324
34324
34324
34324
34324
34324
34324
34324
34324
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