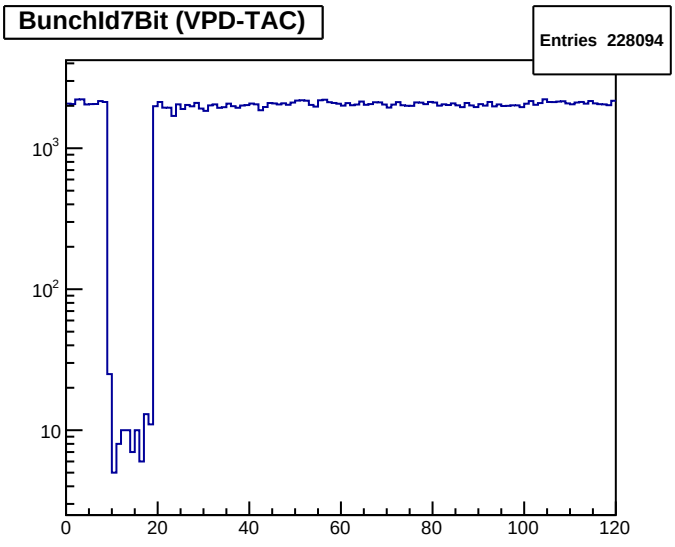
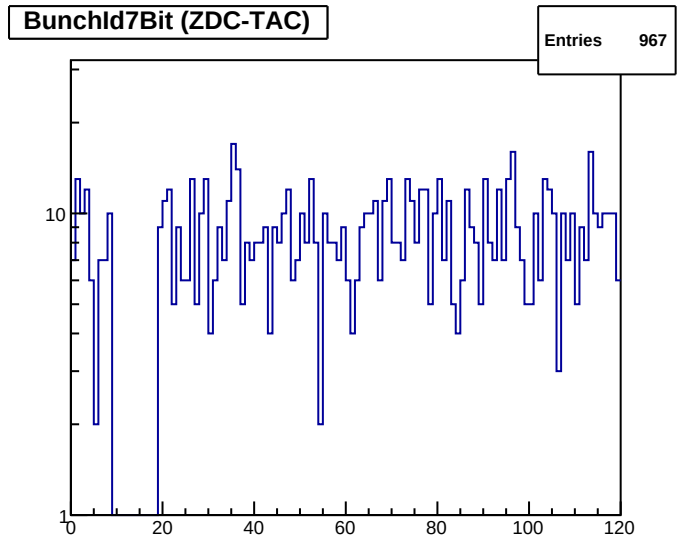
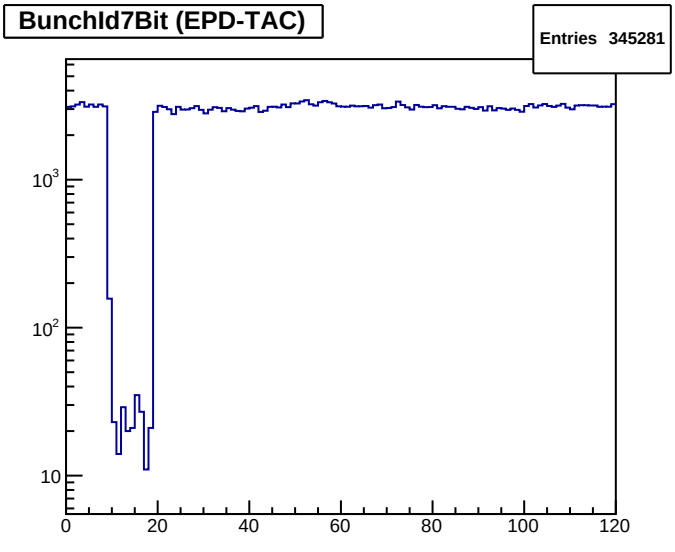
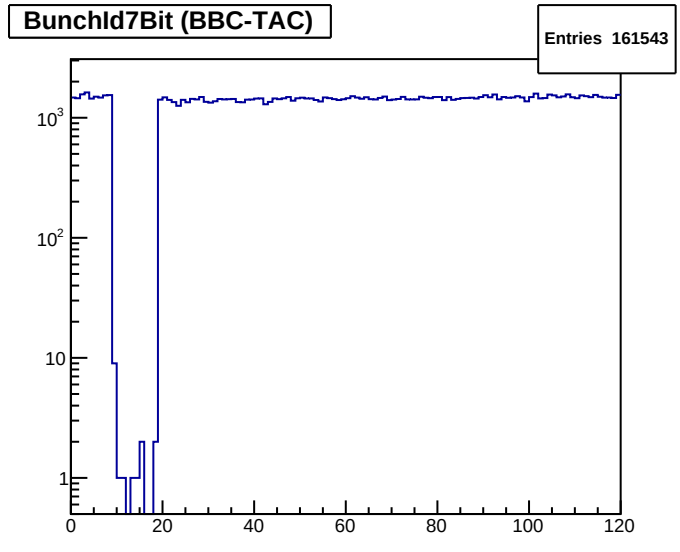
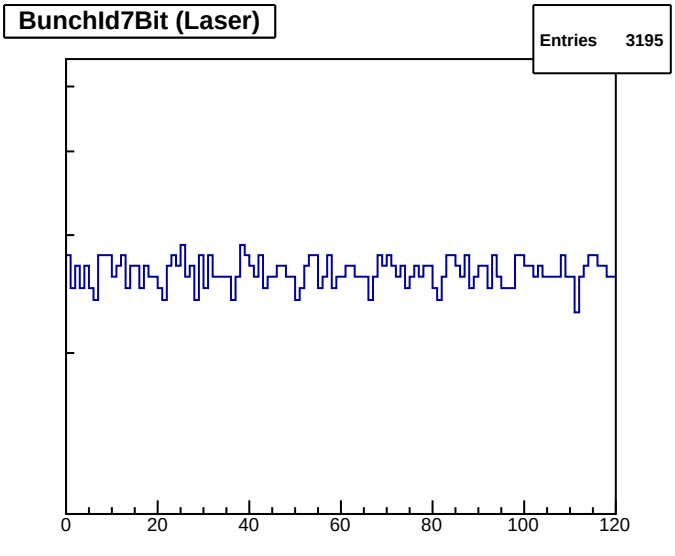
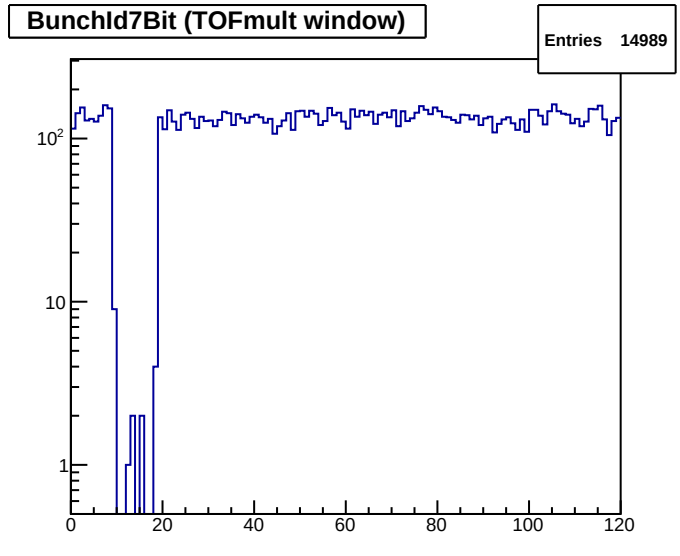

BunchId7Bit (VPD-TAC)
Entries 228094
10^3
10^2
10
0
20
40
60
80
100
120

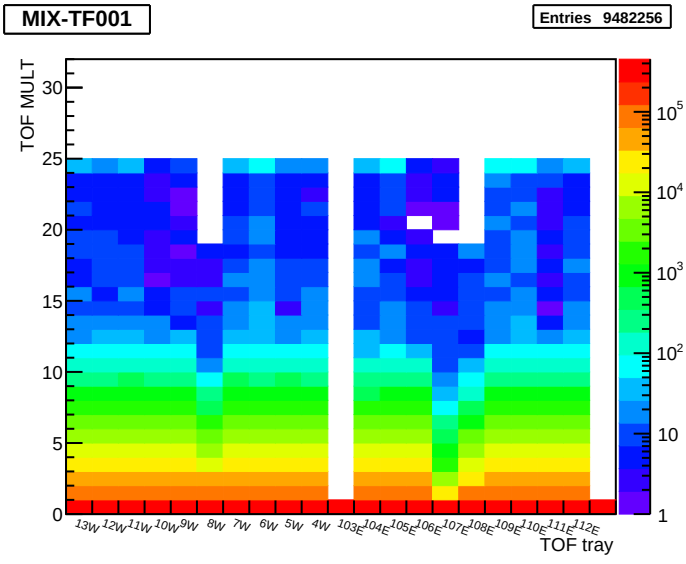

BunchId7Bit (ZDC-TAC)
Entries 967
10
1
0
20
40
60
80
100
120

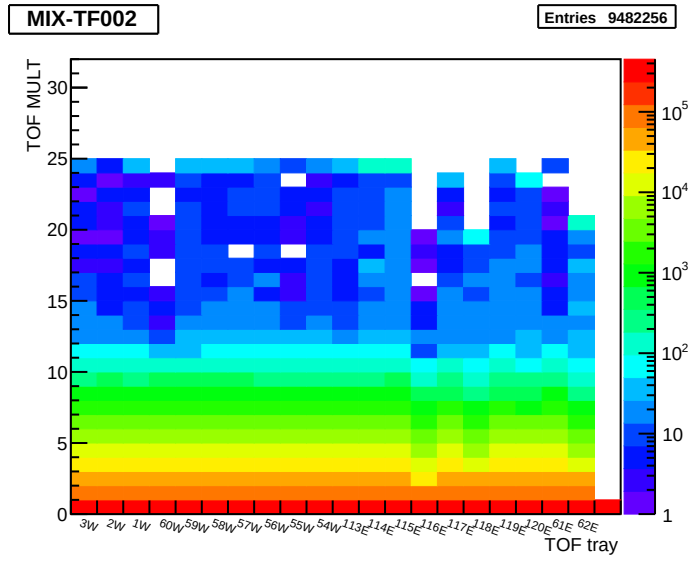

BunchId7Bit (EPD-TAC)
Entries 345281
10^3
10^2
10
0
20
40
60
80
100
120

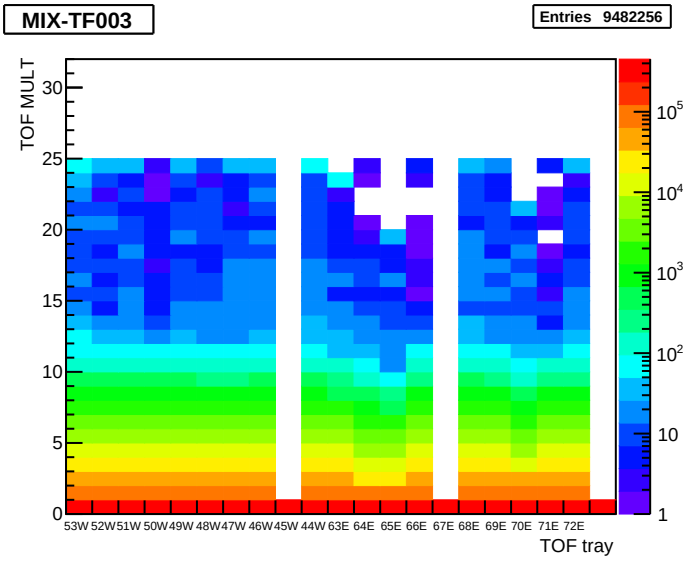

BunchId7Bit (BBC-TAC)
Entries 161543
10^3
10^2
10
1
0
20
40
60
80
100
120

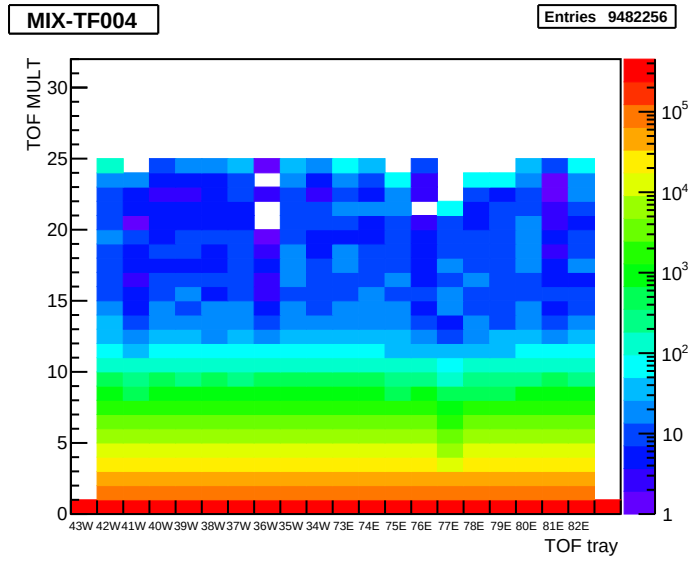

BunchId7Bit (Laser)
Entries 3195
0
20
40
60
80
100
120

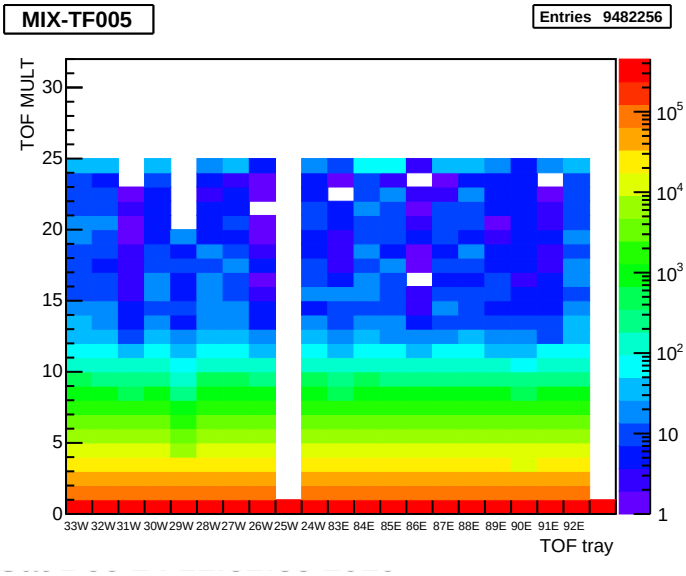

BunchId7Bit (TOFmult window)
Entries 14989
10^2
10
1
0
20
40
60
80
100
120

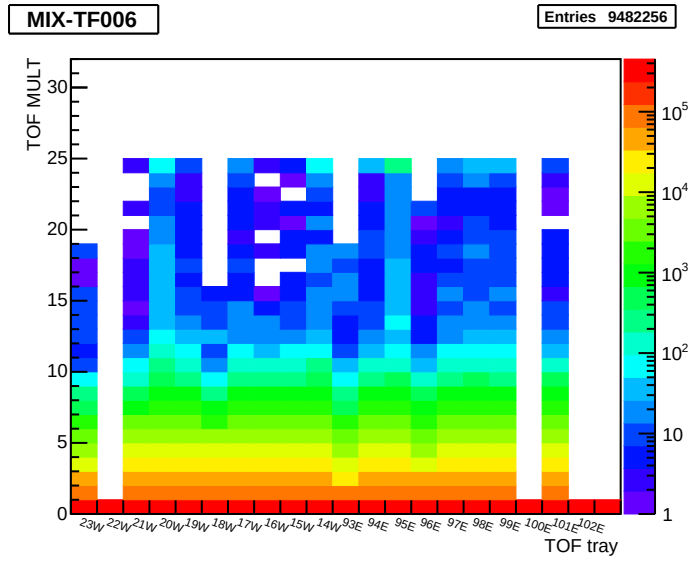

MIX-TF001
Entries 9482256
TOF MULT
TOF tray

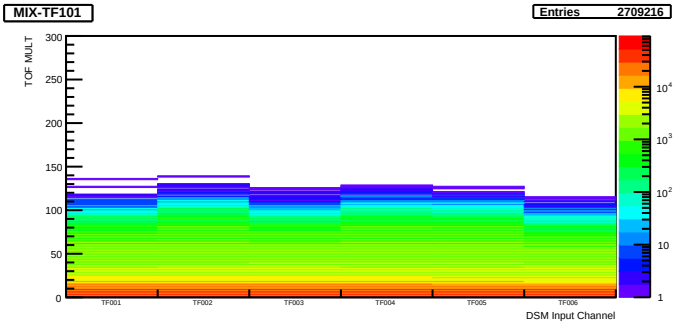

MIX-TF002
Entries 9482256
TOF MULT
TOF tray

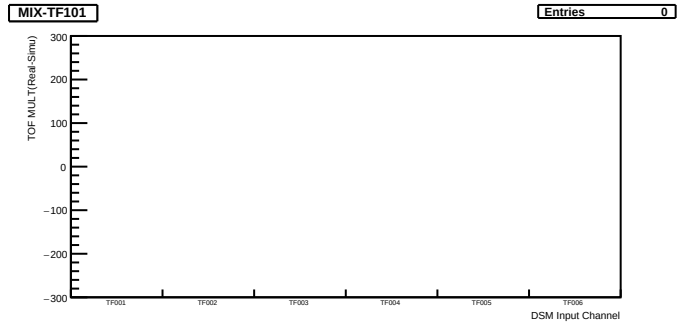

MIX-TF003
Entries 9482256
TOF MULT
TOF tray

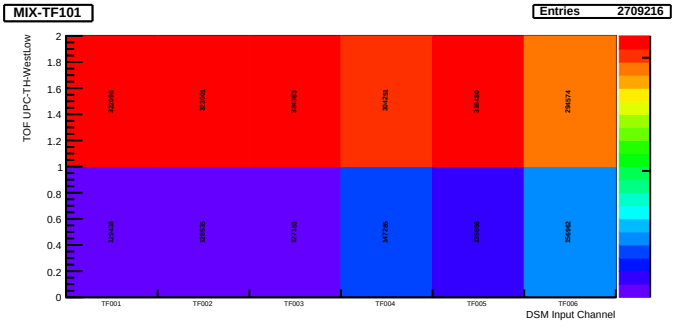

MIX-TF004
Entries 9482256
TOF MULT
TOF tray

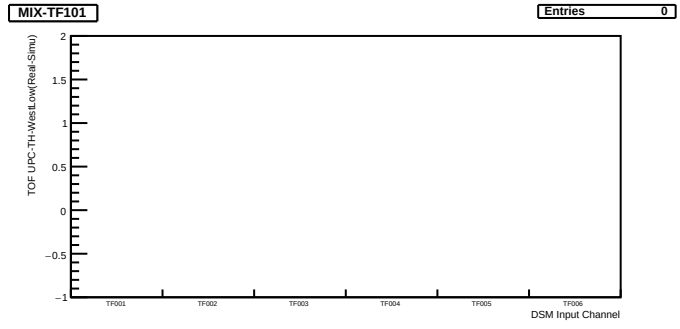

MIX-TF005
Entries 9482256
TOF MULT
TOF tray

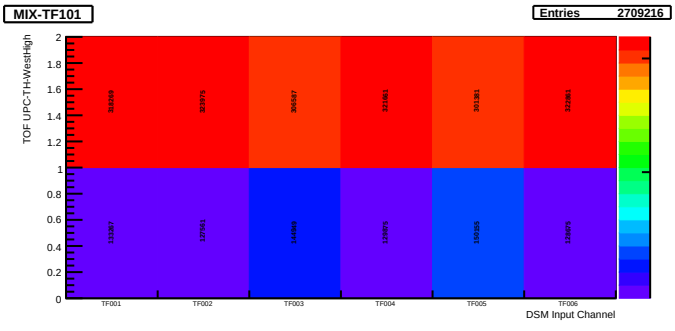

MIX-TF006
Entries 9482256
TOF MULT
TOF tray

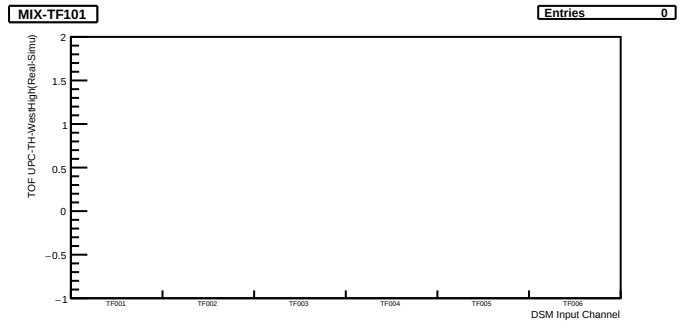

MIX-TF101
Entries 2709216
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

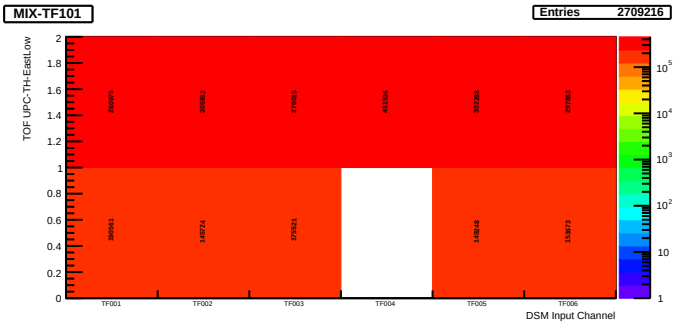

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

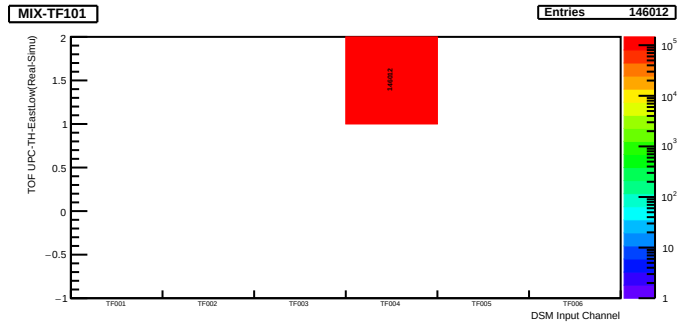

MIX-TF101
Entries 2709216
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

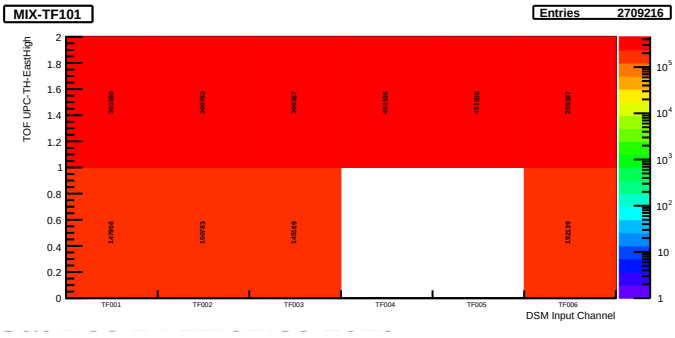

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

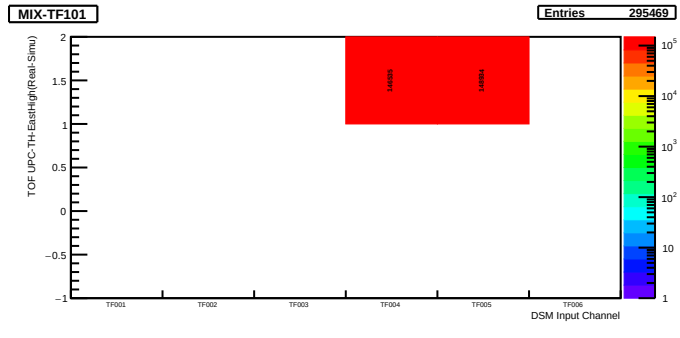

MIX-TF101
Entries 2709216
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

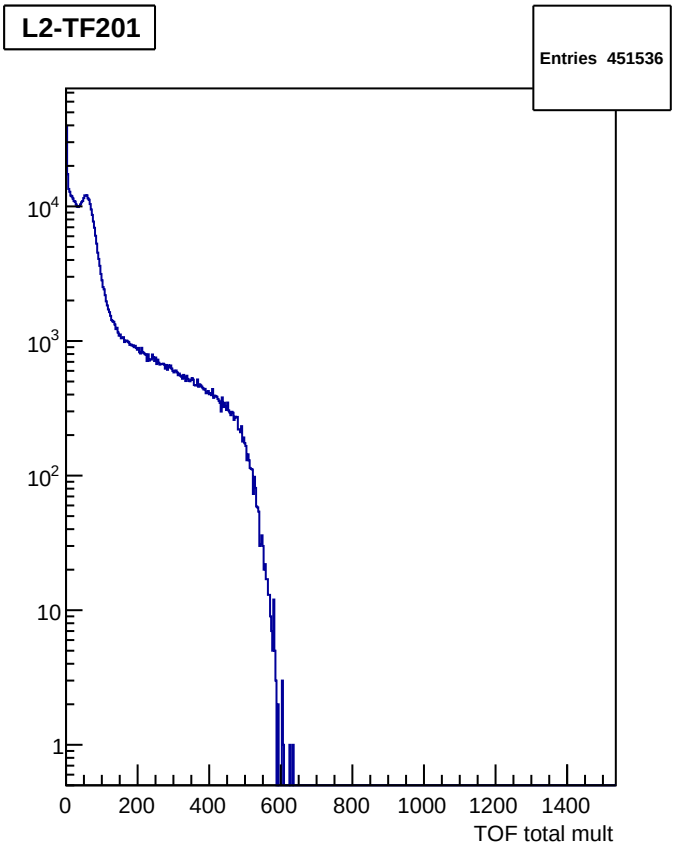

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

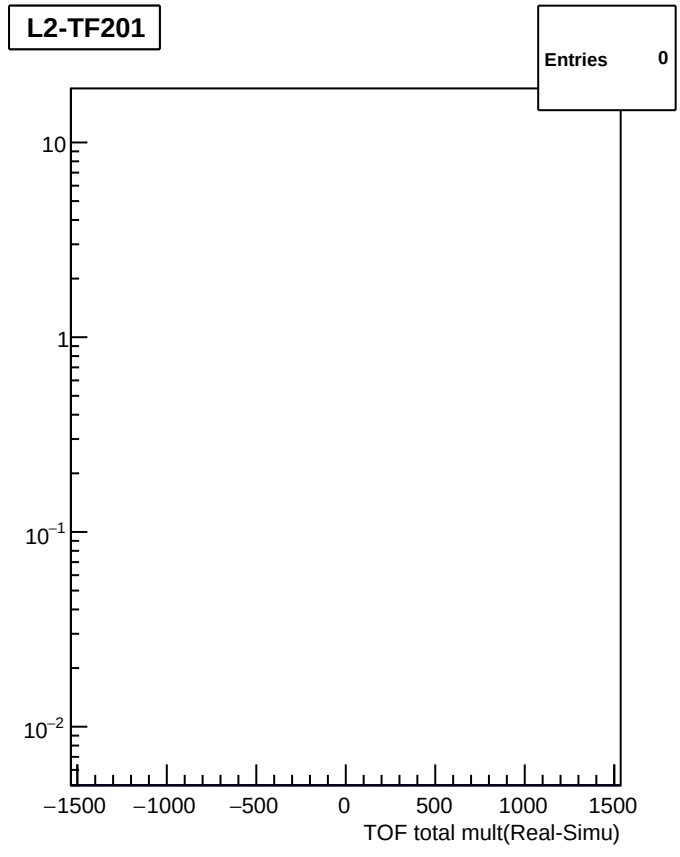

MIX-TF101
Entries 2709216
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

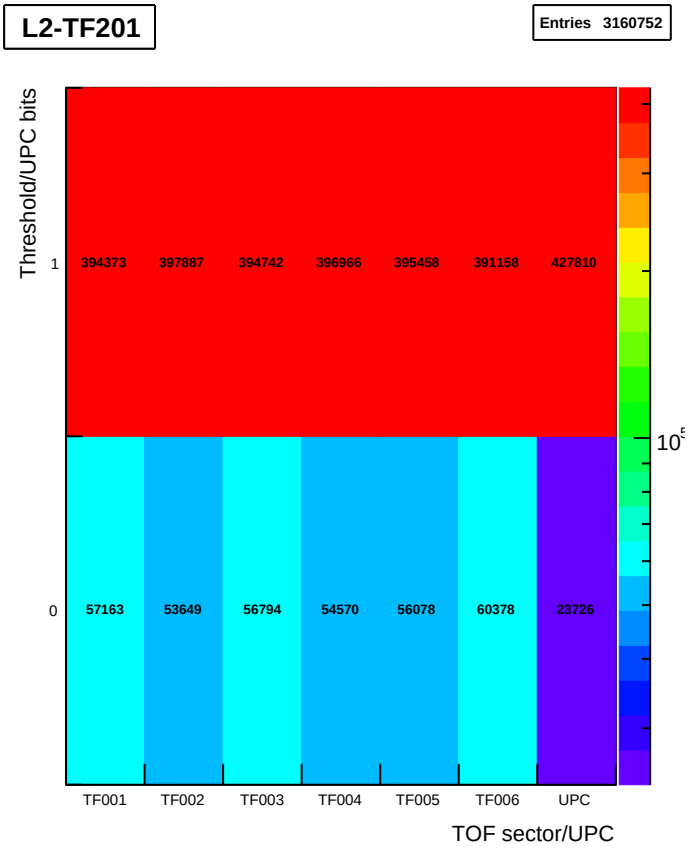

MIX-TF101
Entries 146012
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

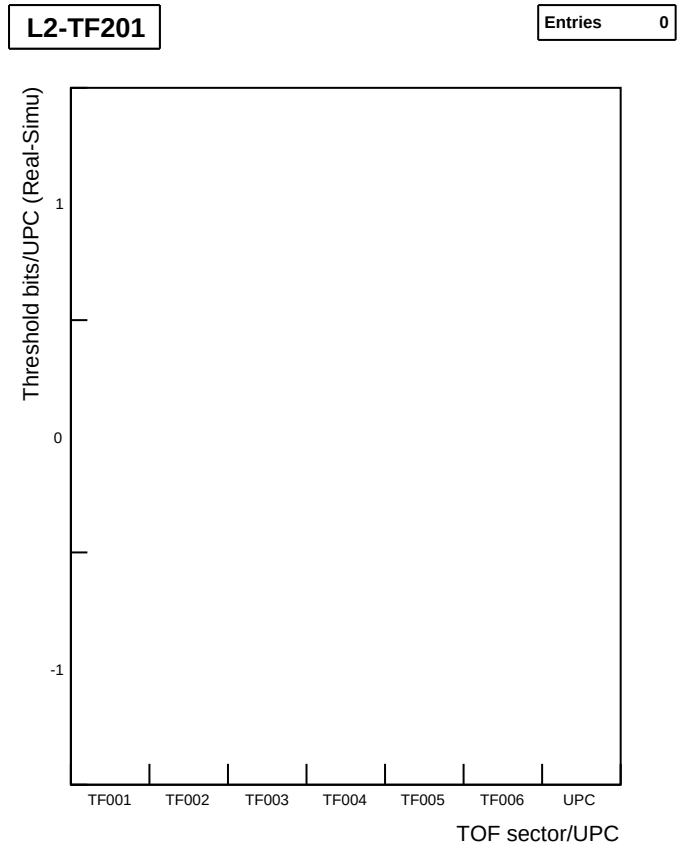

MIX-TF101
Entries 2709216
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

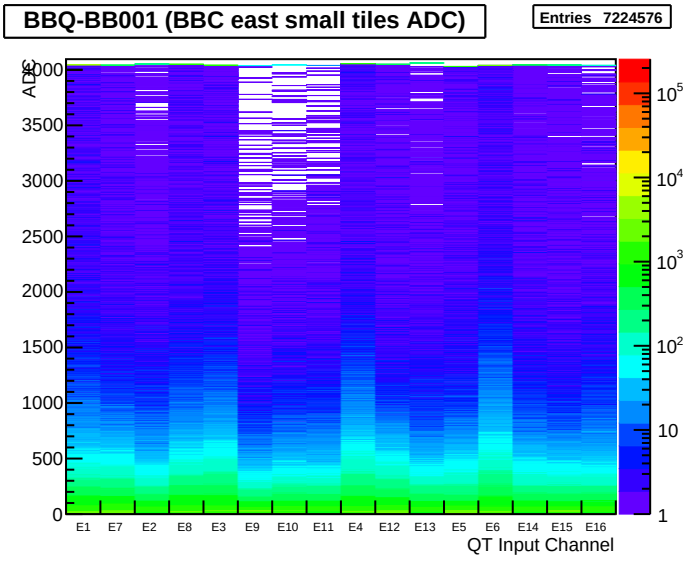

MIX-TF101
Entries 295469
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

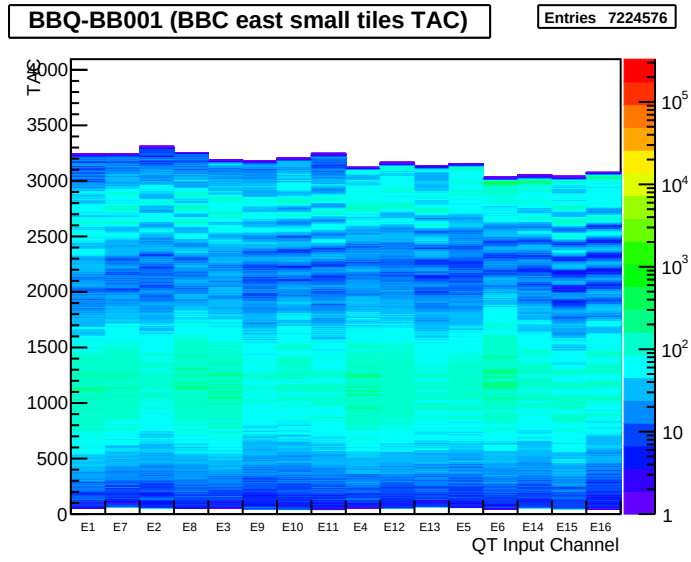

L2-TF201
Entries 451536
TOF total mult

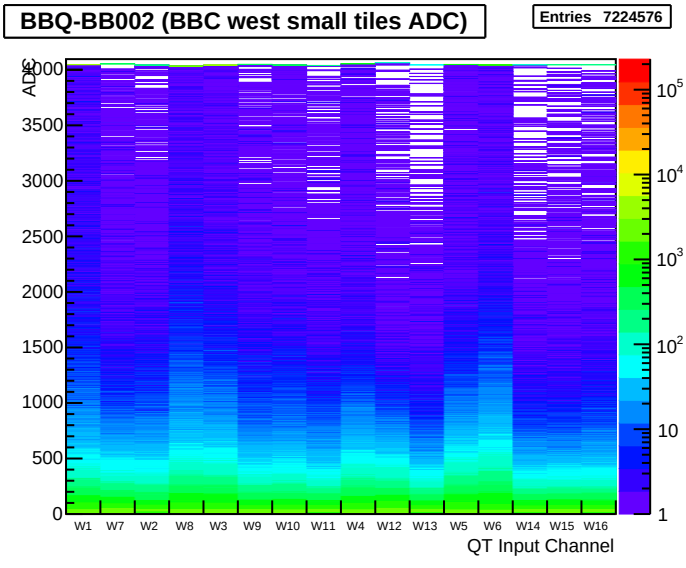

L2-TF201
Entries 0
TOF total mult(Real-Simu)

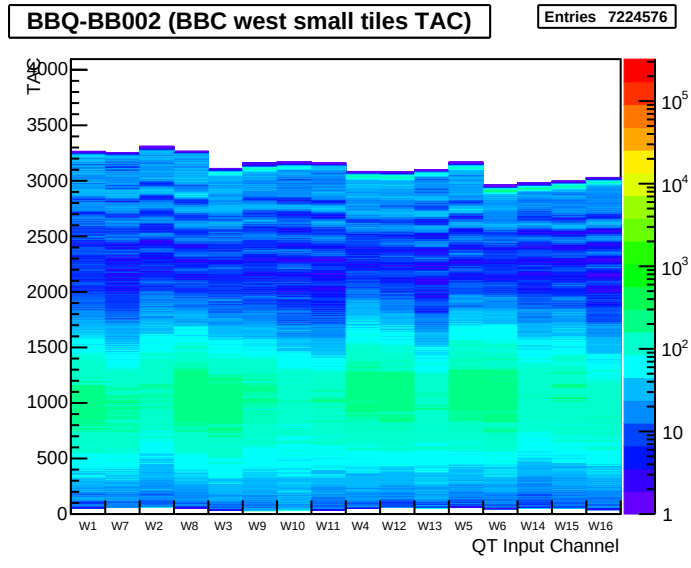

L2-TF201
Entries 3160752
Threshold/UPC bits
394373 397887 394742 396966 395458 391158 427810
57163 53649 56794 54570 56078 60378 23726
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

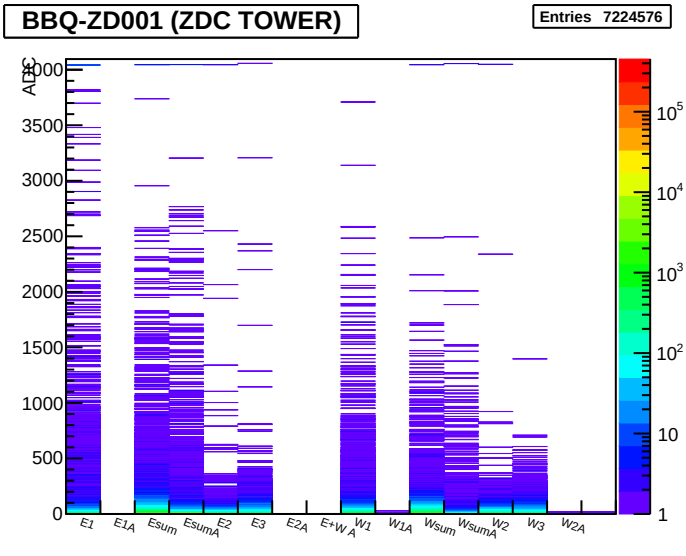

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

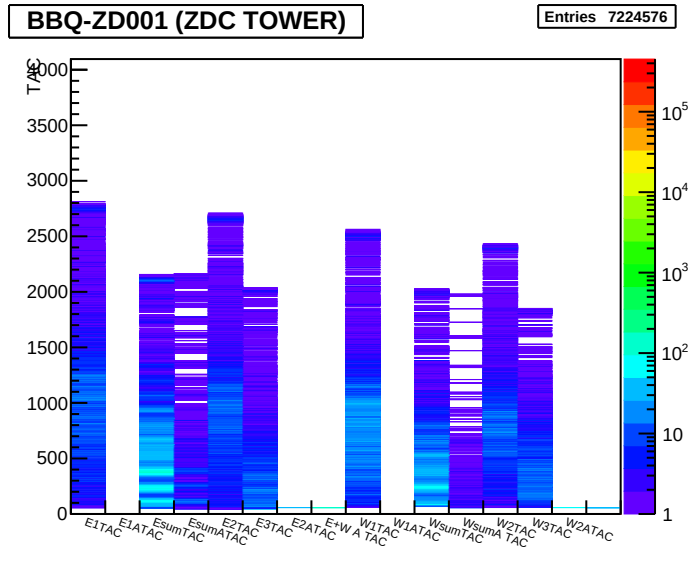

BBQ-BB001 (BBC east small tiles ADC)
Entries 7224576
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

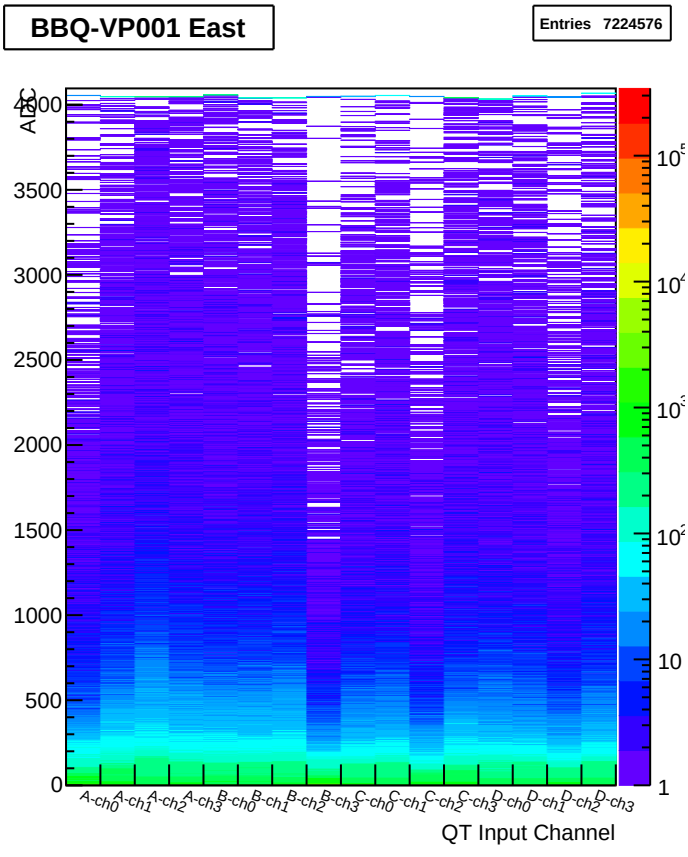

BBQ-BB001 (BBC east small tiles TAC)
Entries 7224576
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

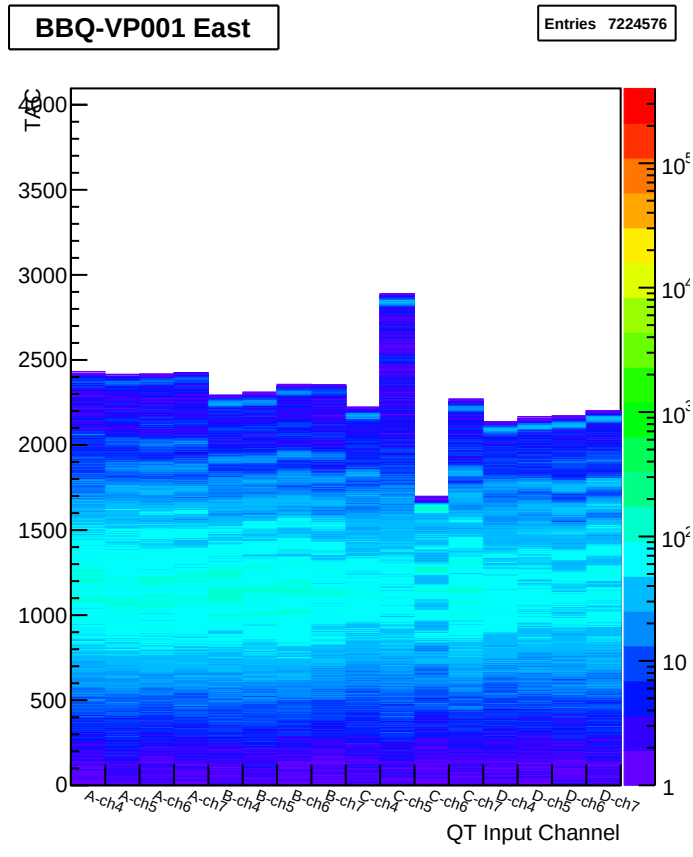

BBQ-BB002 (BBC west small tiles ADC)
Entries 7224576
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

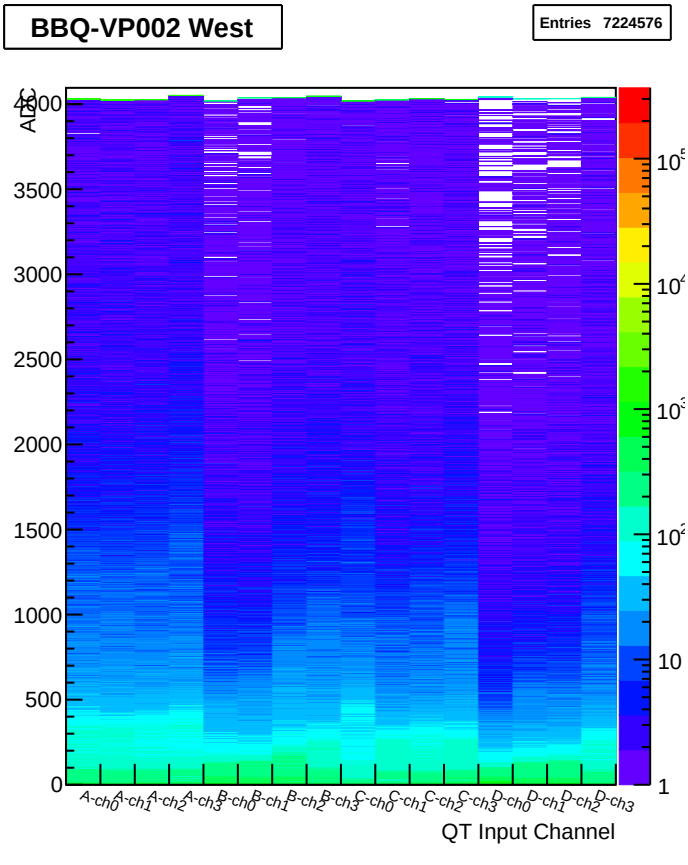

BBQ-BB002 (BBC west small tiles TAC)
Entries 7224576
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

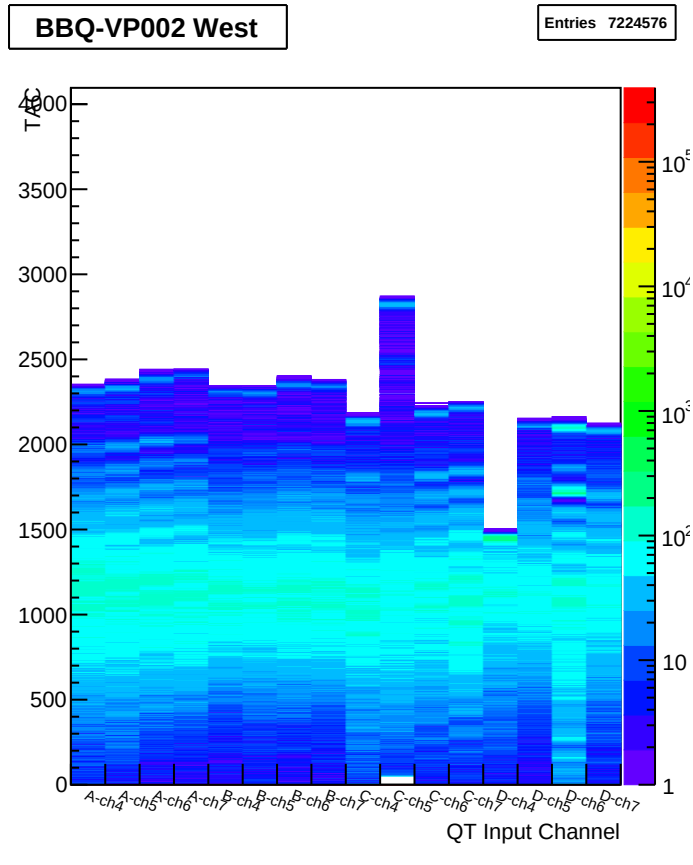

BBQ-ZD001 (ZDC TOWER)
Entries 7224576
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

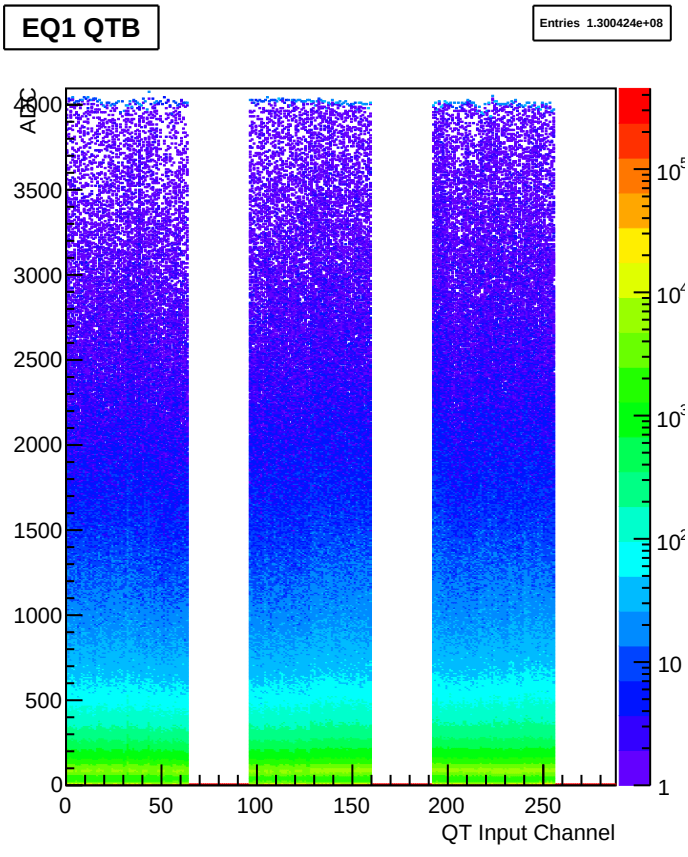

BBQ-ZD001 (ZDC TOWER)
Entries 7224576
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

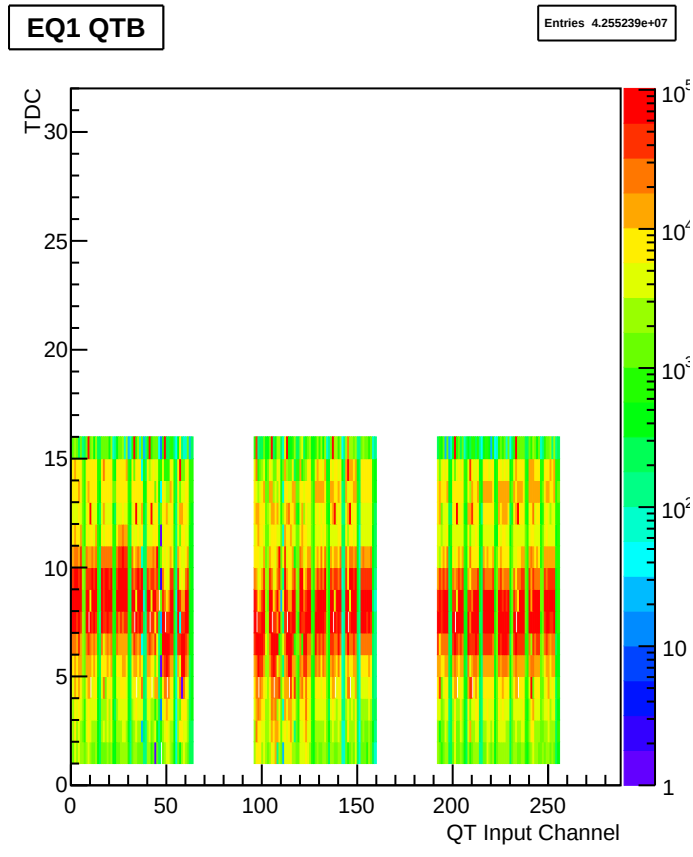

BBQ-VP001 East
Entries 7224576
ADC
QT Input Channel

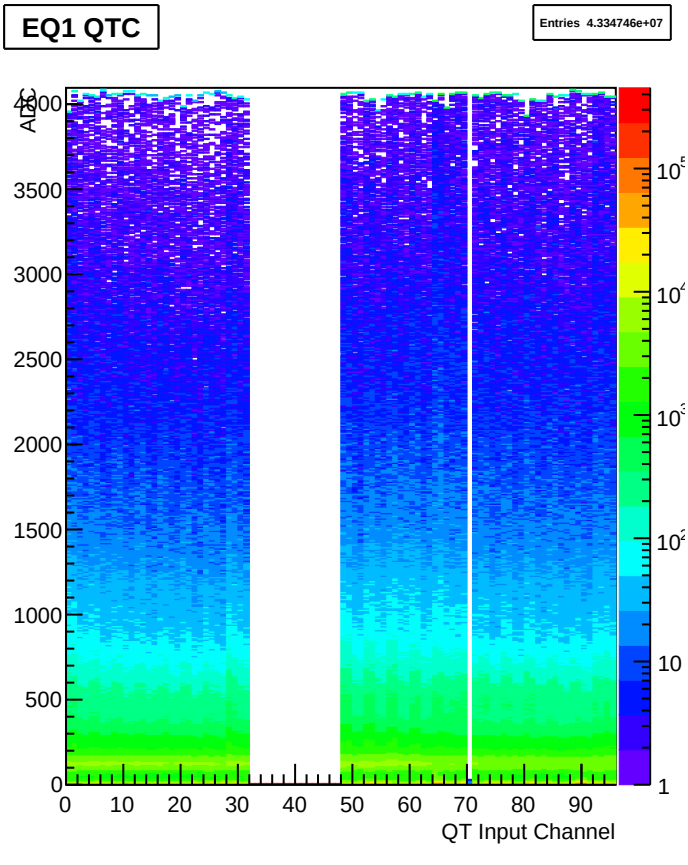

BBQ-VP001 East
Entries 7224576
ADC
QT Input Channel

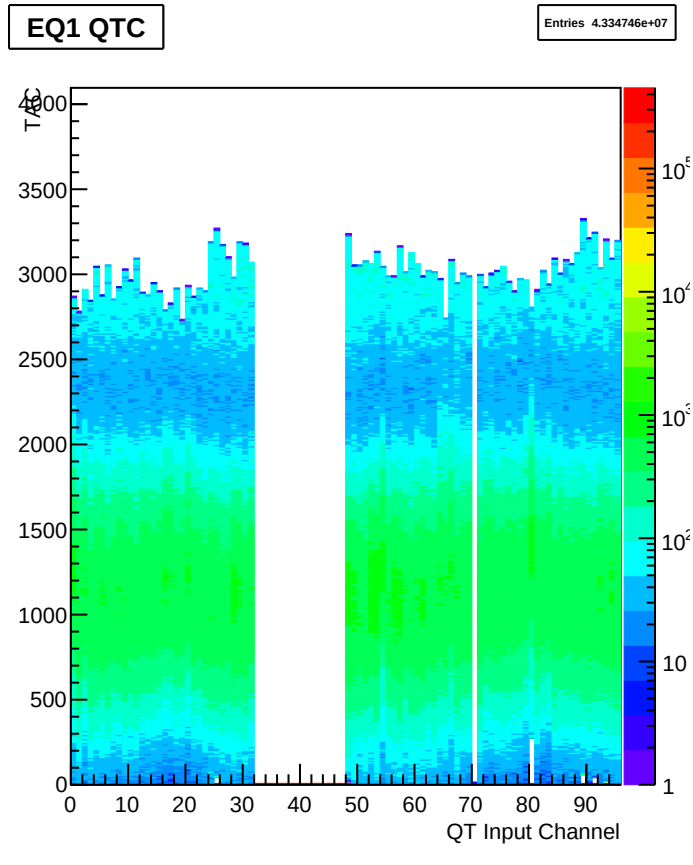

BBQ-VP002 West
Entries 7224576
ADC
QT Input Channel

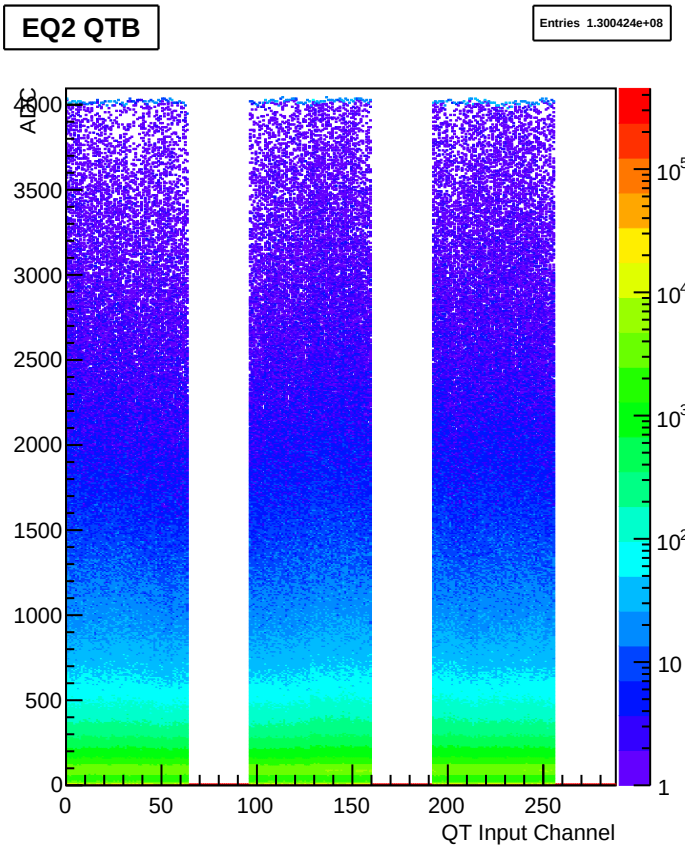

BBQ-VP002 West
Entries 7224576
ADC
QT Input Channel

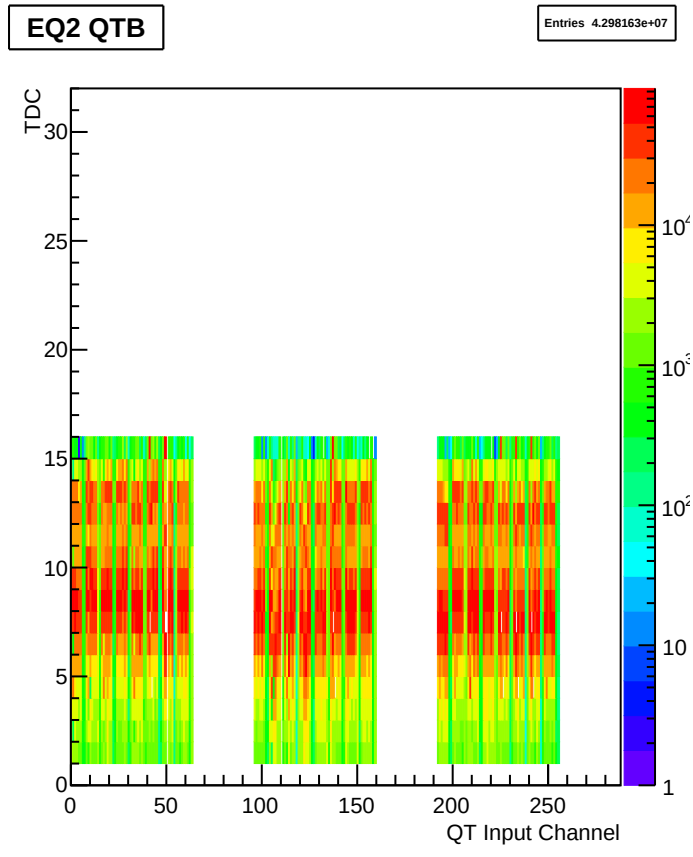

EQ1 QTB
Entries 1.300424e+08
ADC
QT Input Channel

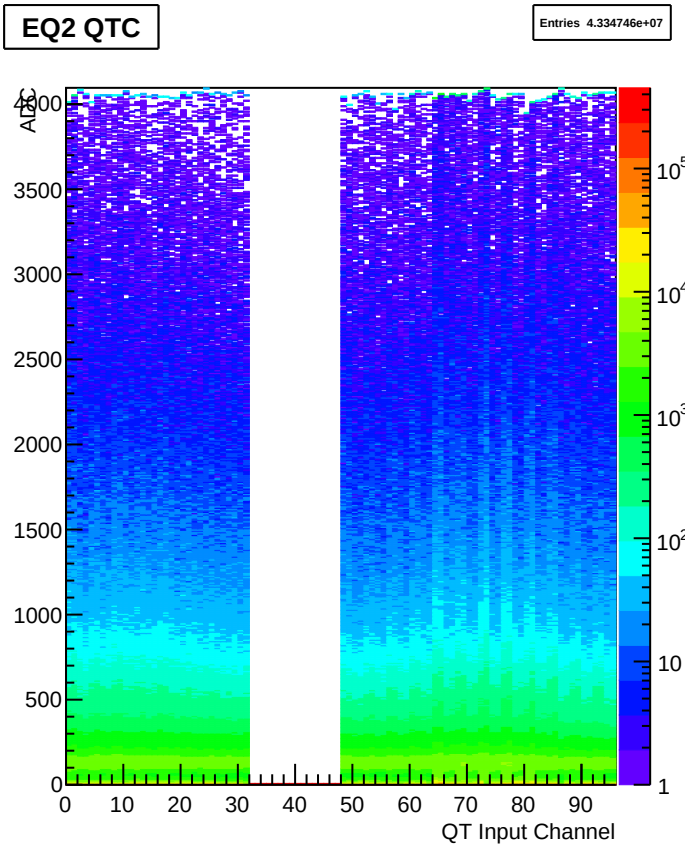

EQ1 QTB
Entries 4.255239e+07
TDC
QT Input Channel

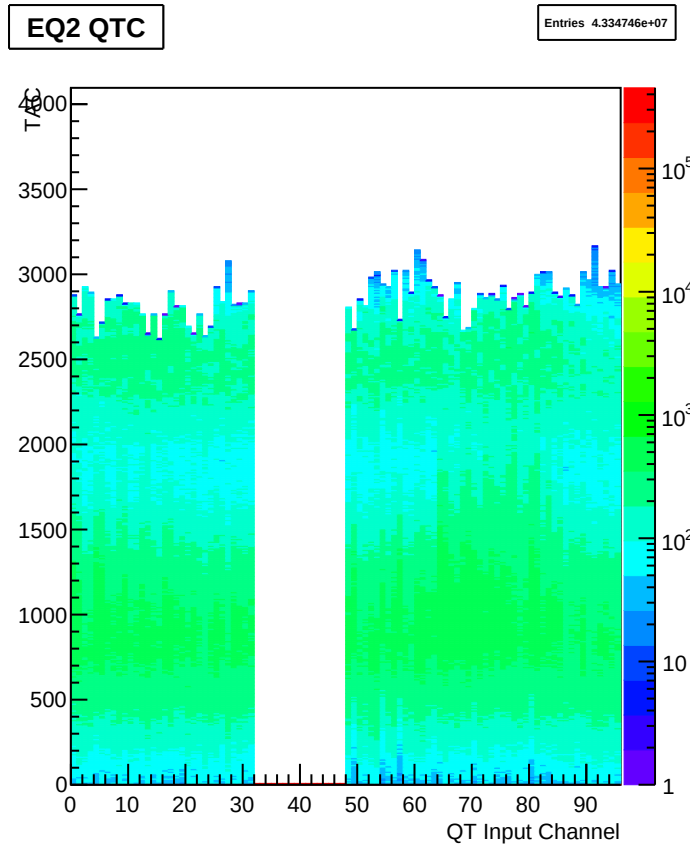

EQ1 QTC
Entries 4.334746e+07
ADC
QT Input Channel

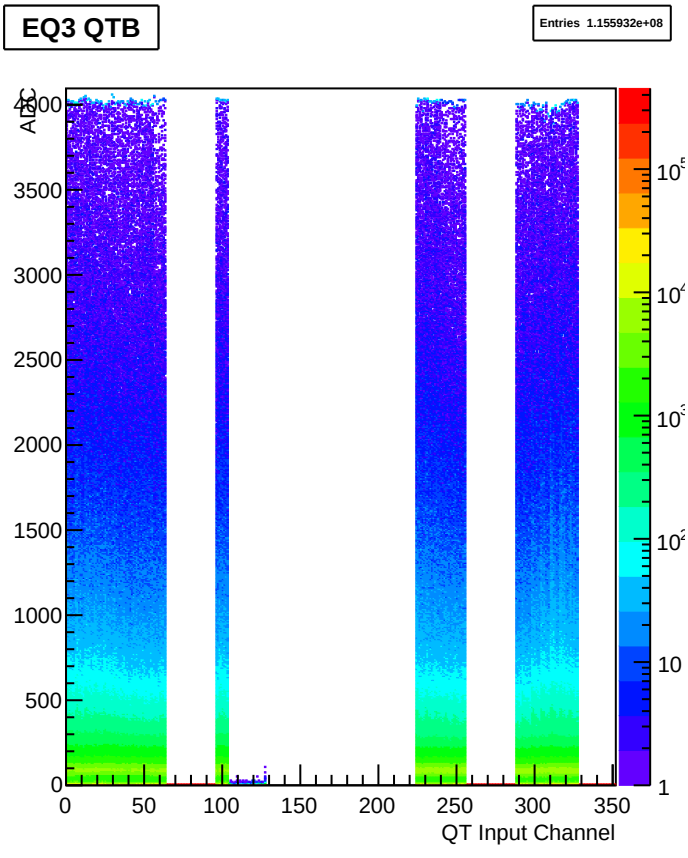

EQ1 QTC
Entries 4.334746e+07
TADC
QT Input Channel

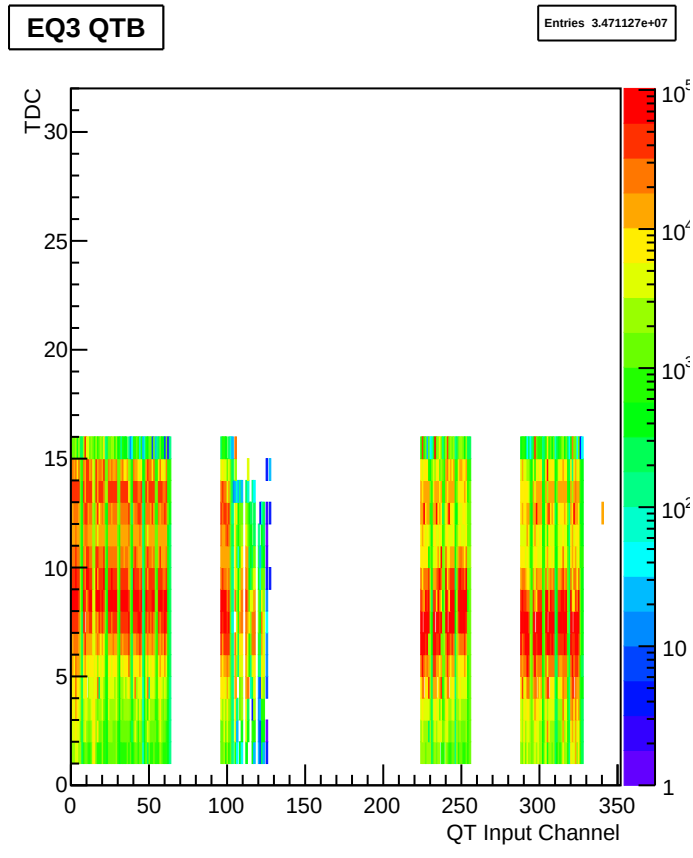

EQ2 QTB
Entries 1.300424e+08
ADC
QT Input Channel

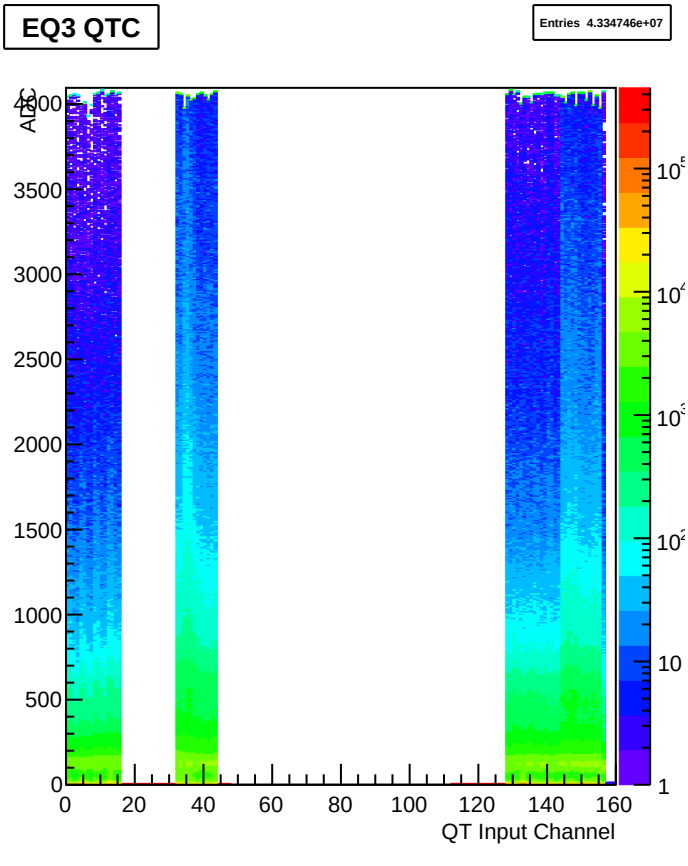

EQ2 QTB
Entries 4.298163e+07
TDC
QT Input Channel

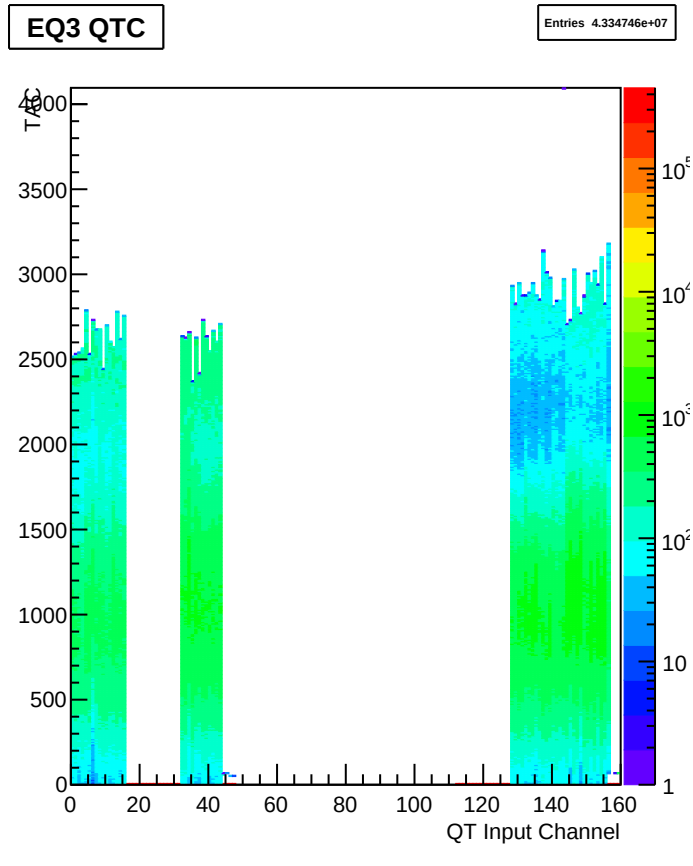

EQ2 QTC
Entries 4.334746e+07
ADC
QT Input Channel

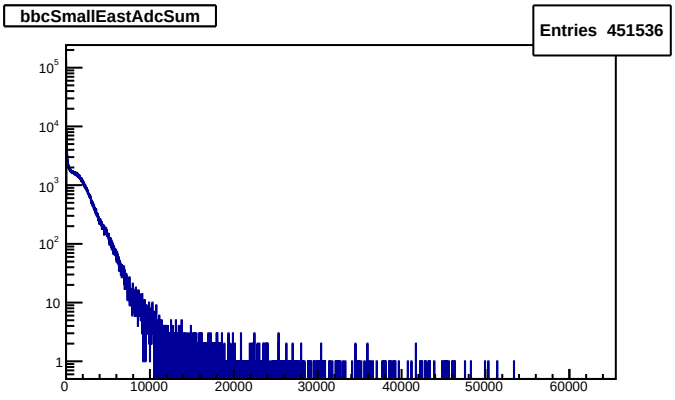

EQ2 QTC
Entries 4.334746e+07
TADC
QT Input Channel

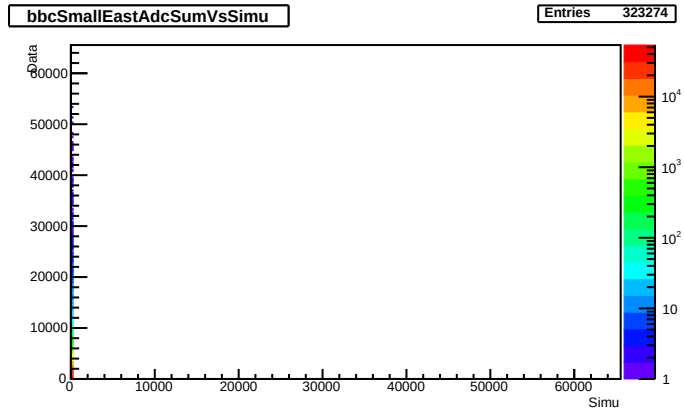

EQ3 QTB
Entries 1.155932e+08
ADC
QT Input Channel

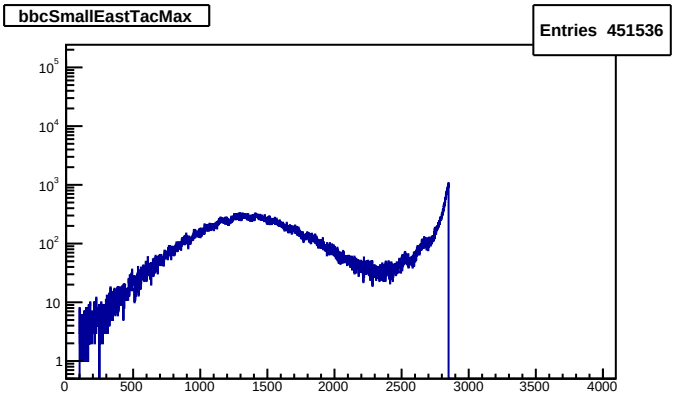

EQ3 QTB
Entries 3.471127e+07
TDC
QT Input Channel

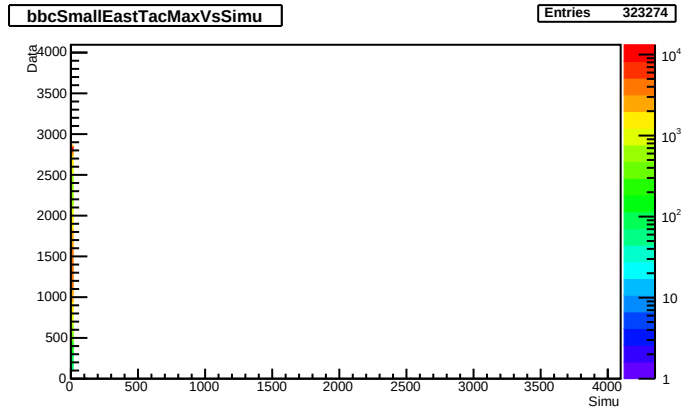

EQ3 QTC
Entries 4.334746e+07
ADC
QT Input Channel

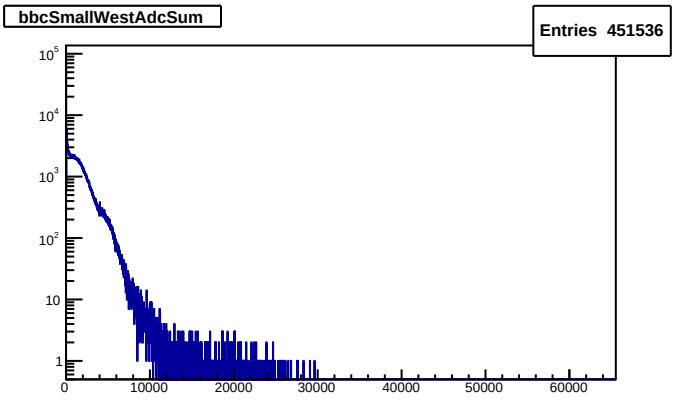

EQ3 QTC
Entries 4.334746e+07
TADC
QT Input Channel

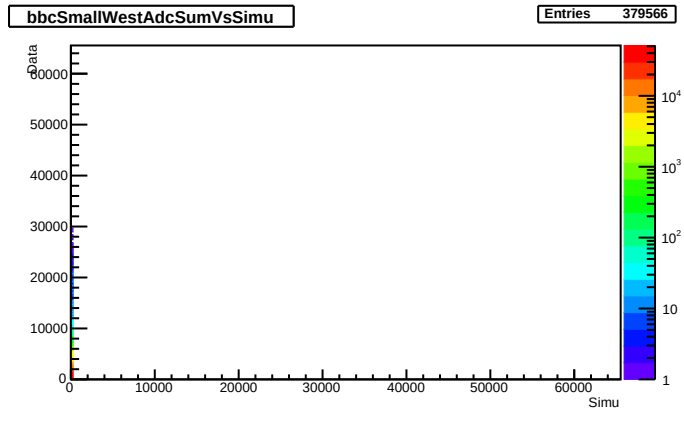

bbcSmallEastAdcSum
Entries 451536


bbcSmallEastAdcSumVsSimu
Entries 323274
Data
Simu


bbcSmallEastTacMax
Entries 451536


bbcSmallEastTacMaxVsSimu
Entries 323274
Data
Simu


bbcSmallWestAdcSum
Entries 451536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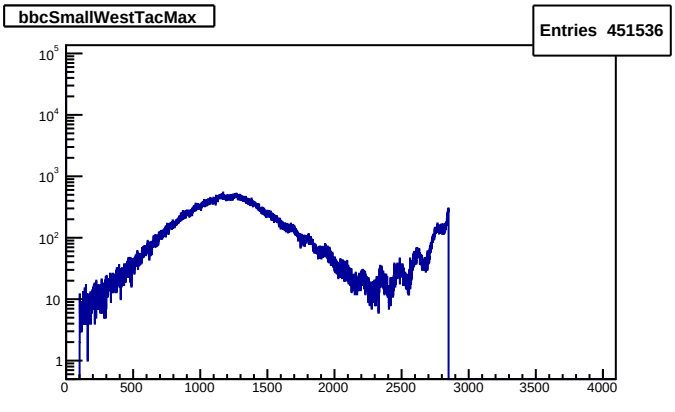
Entries 379566
Data
Simu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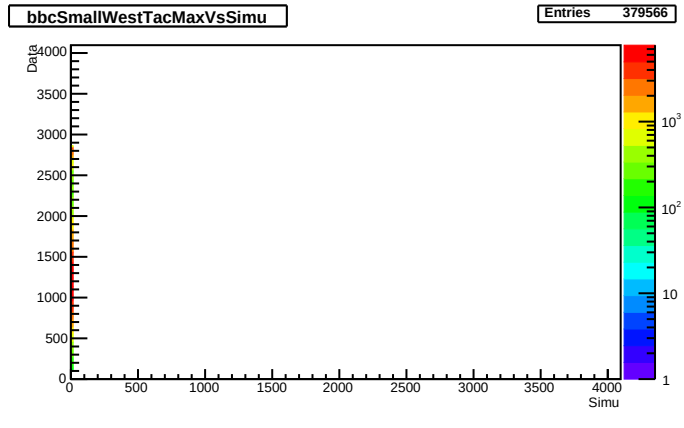
Entries 451536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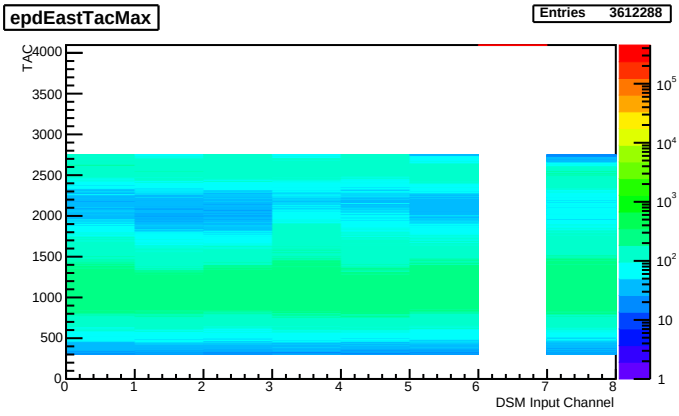
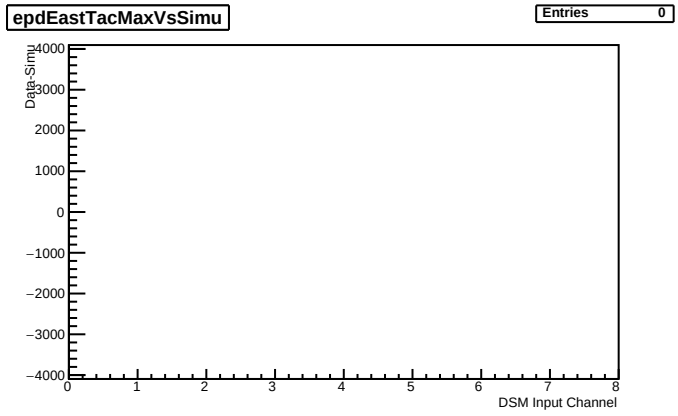
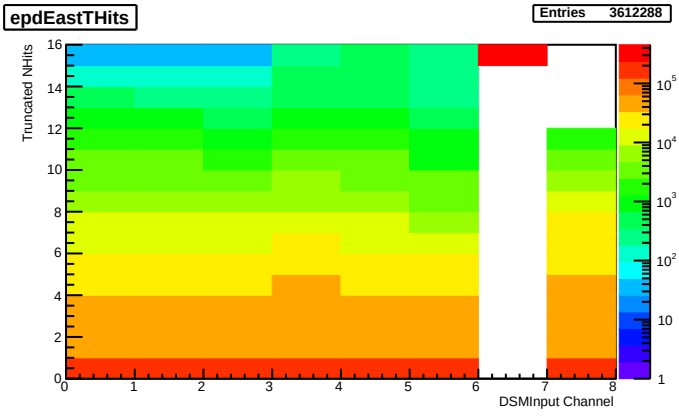
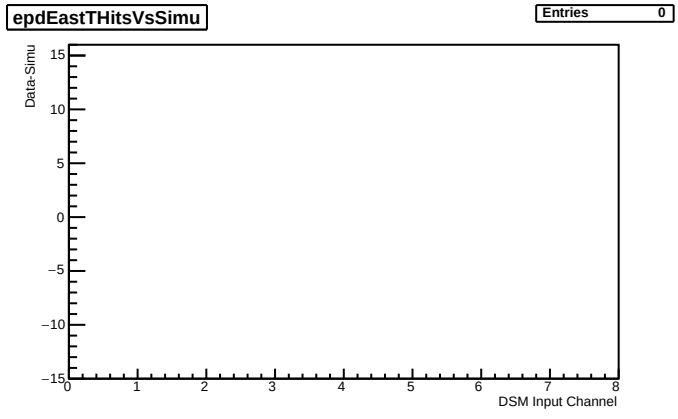
Entries 379566
Data
Simu


epdEastTacMax
Entries 3612288
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3612288
Truncated NHits
DSMInput Channel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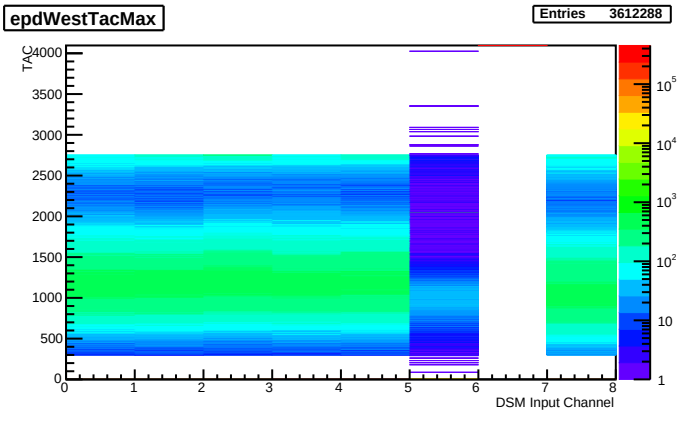
Entries 0
Data-Simu
DSM Input Channel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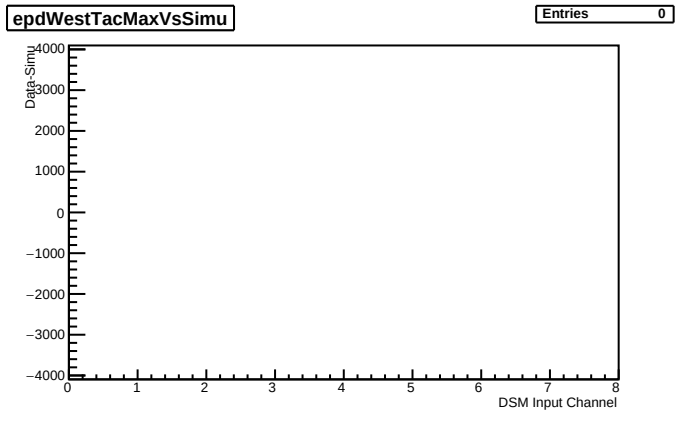
Entries 3612288
TAC
DSM Input Channel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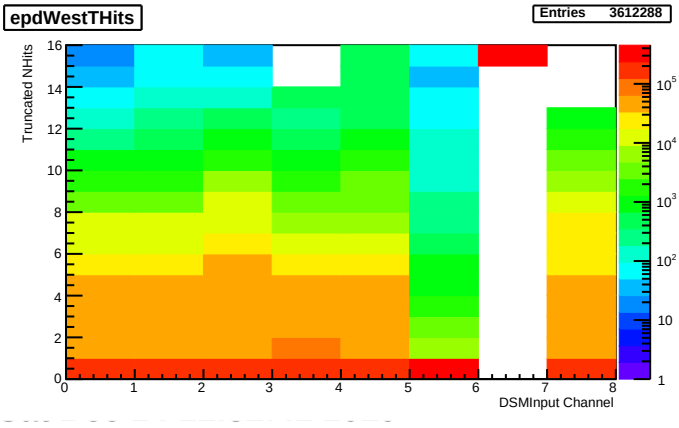
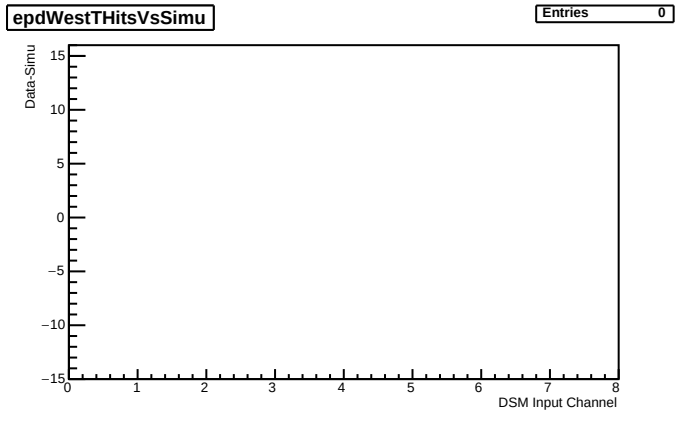
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3612288
Truncated NHits
DSMInput Channel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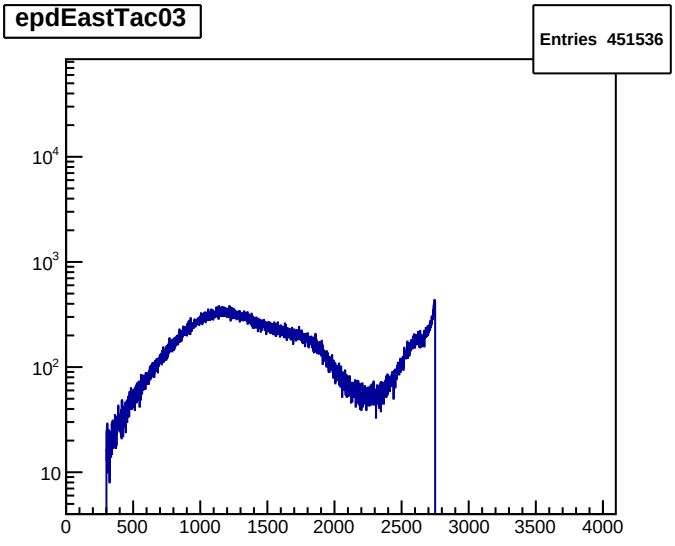
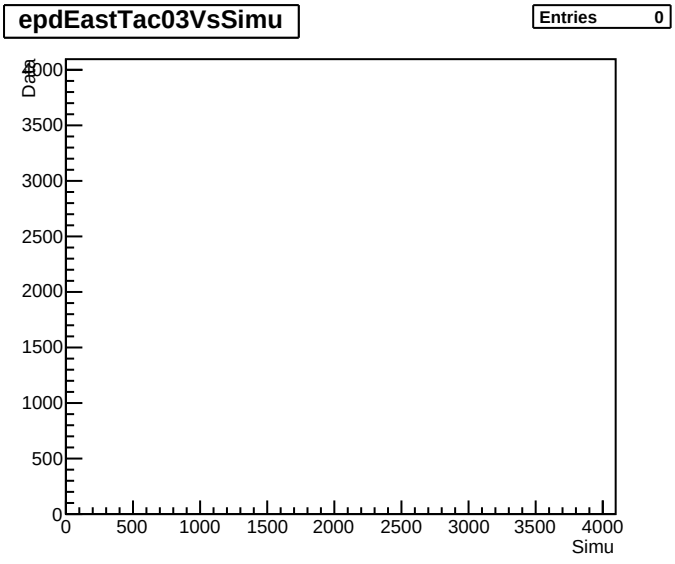
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 451536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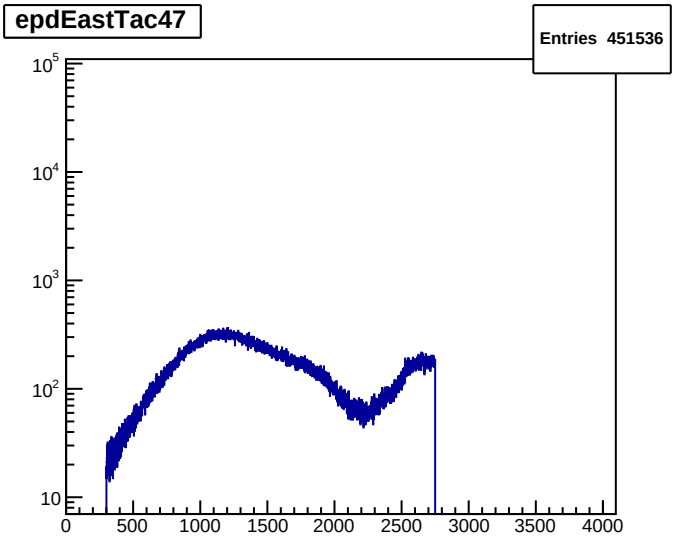
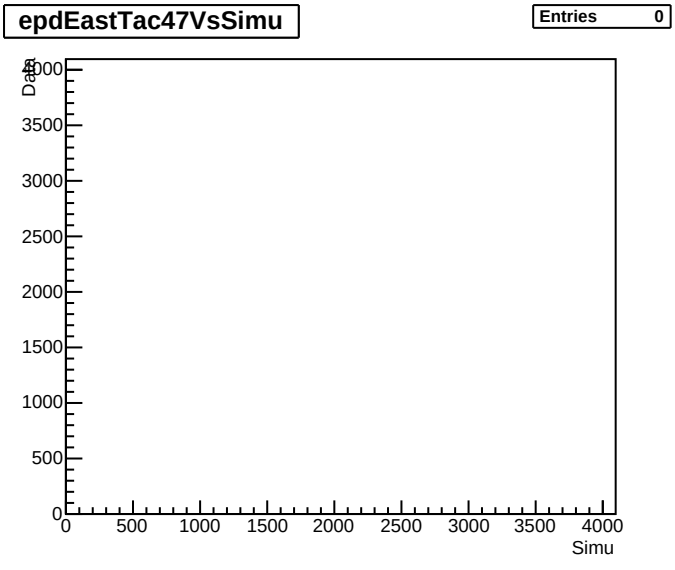
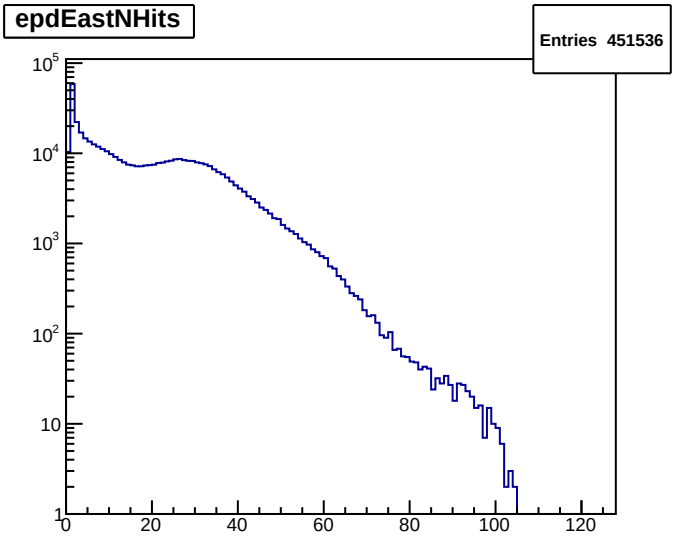
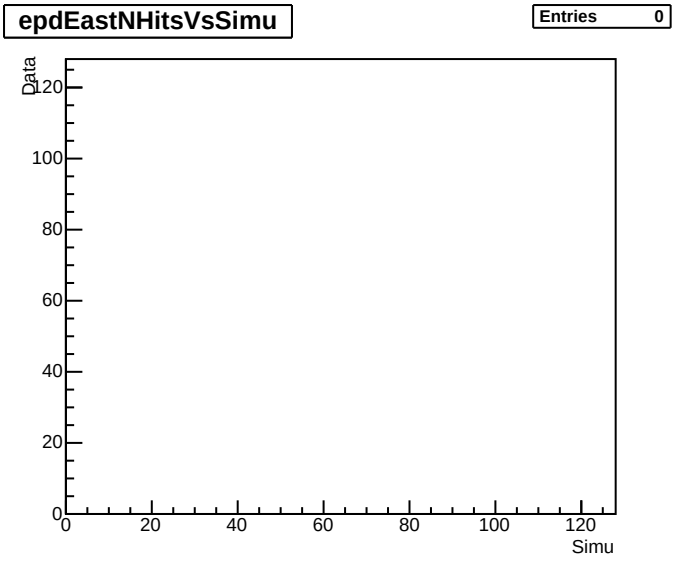
Entries 0
Data
Simu


epdEastTac47
Entries 451536


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 451536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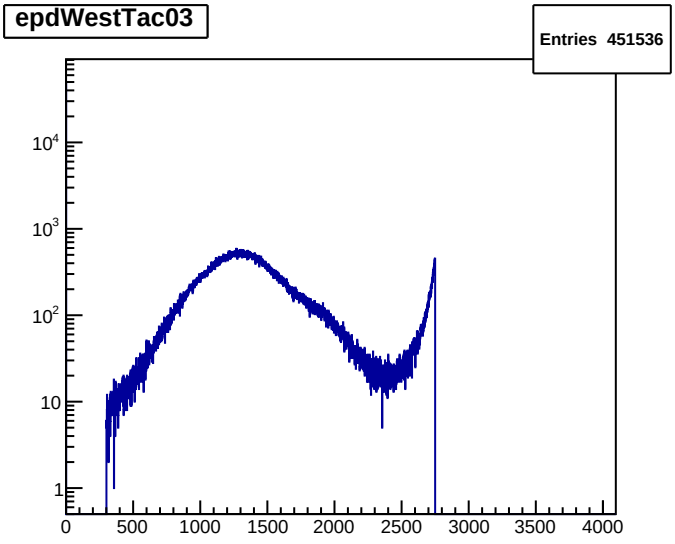
Entries 0
Data
Simu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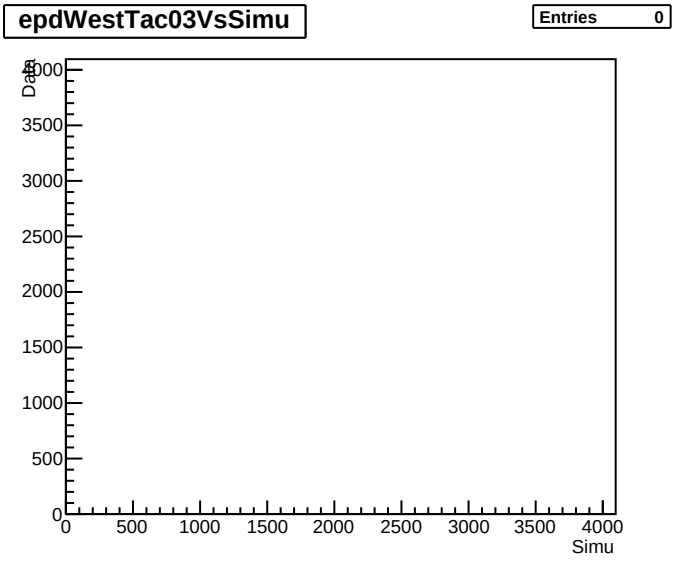
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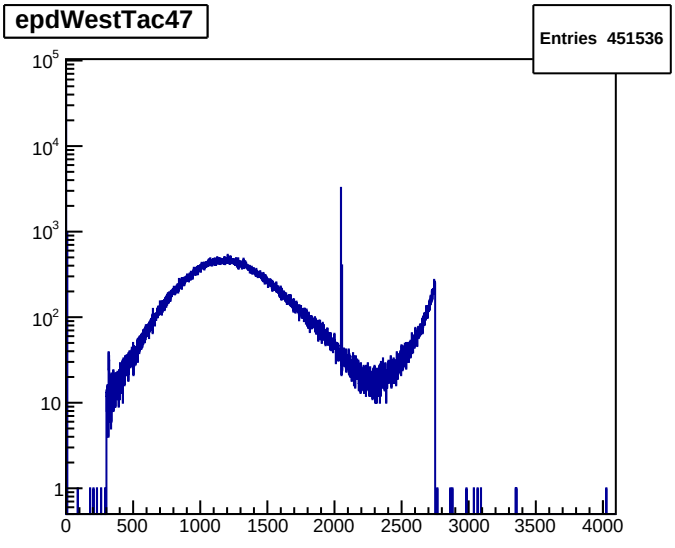
Entries 0
Data
Simu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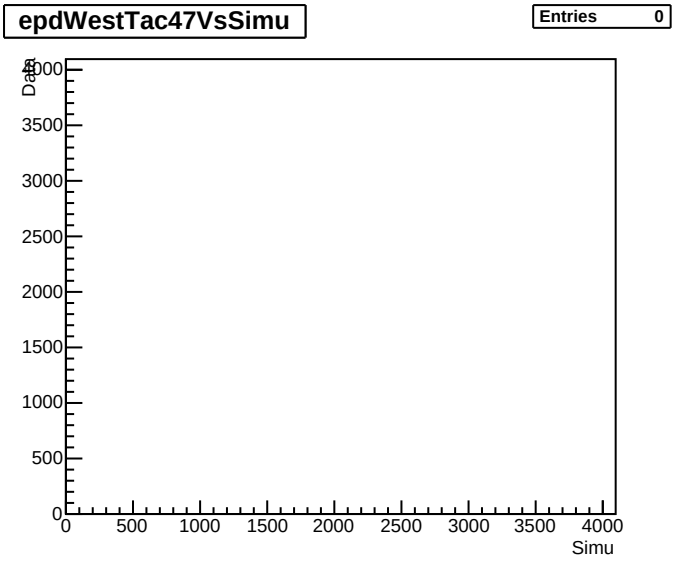
Entries 451536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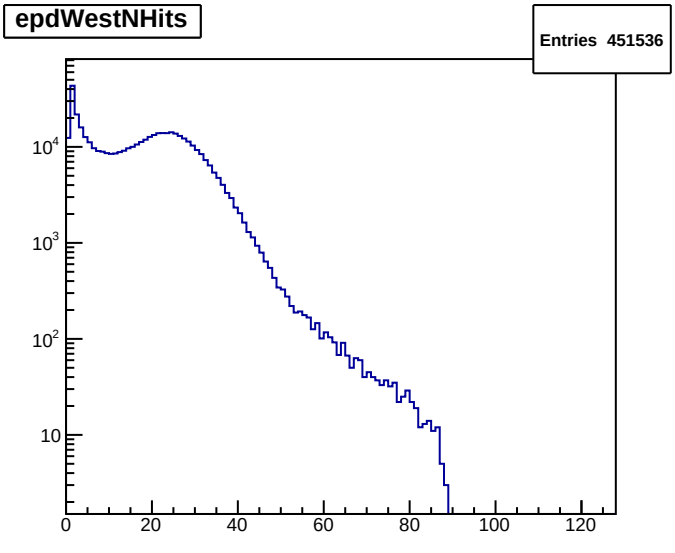
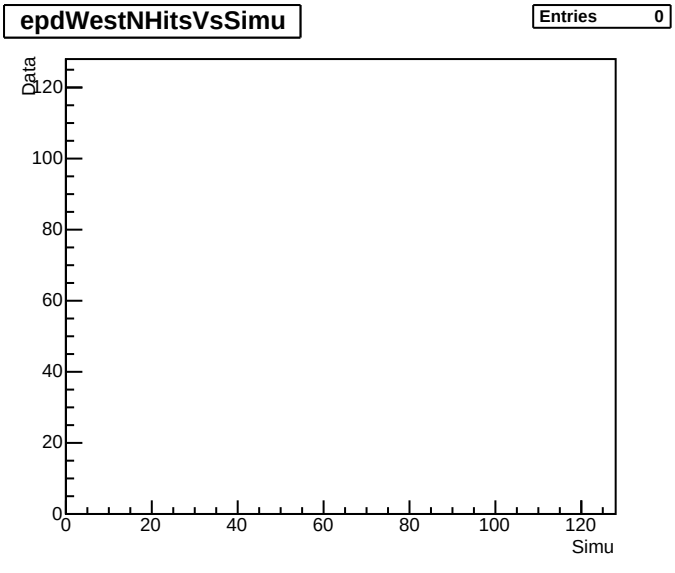
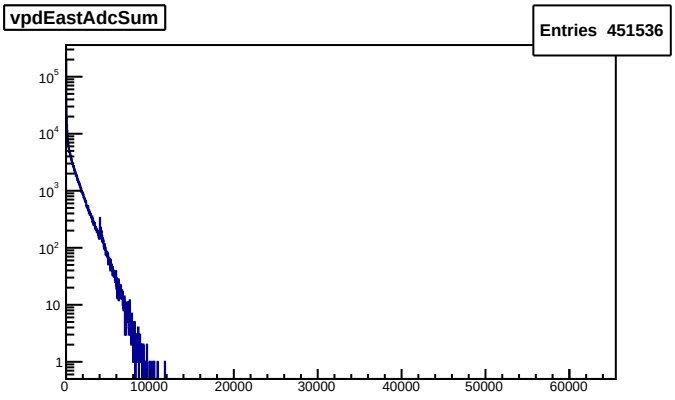
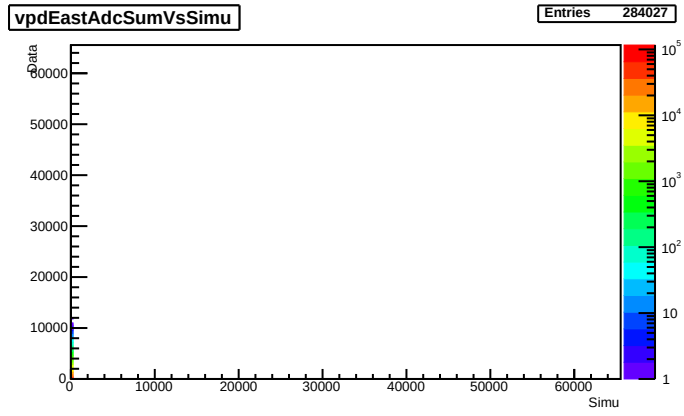
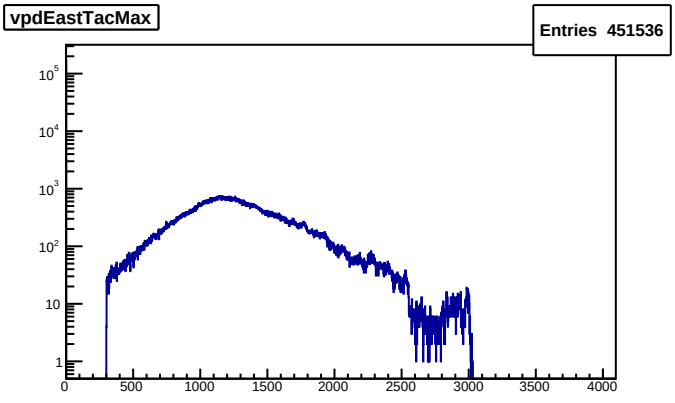
Entries 0
Data
Simu

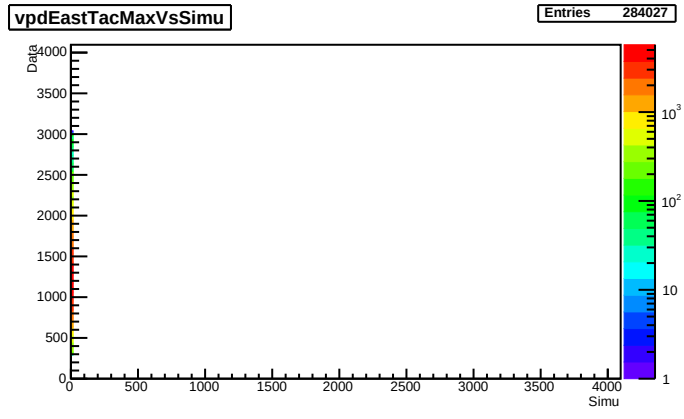

epdWestNHits
Entries 451536

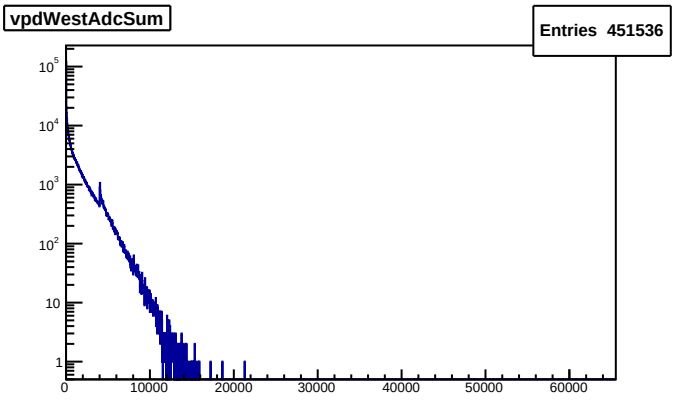

epdWestNHitsVsSimu
Entries 0
Data
Simu

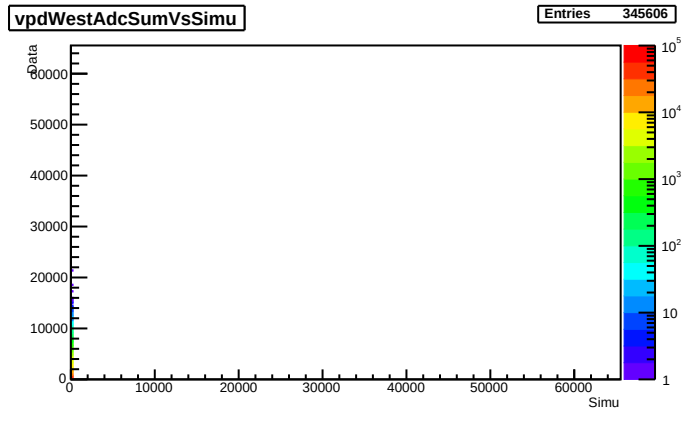

vpdEastAdcSum
Entries 451536

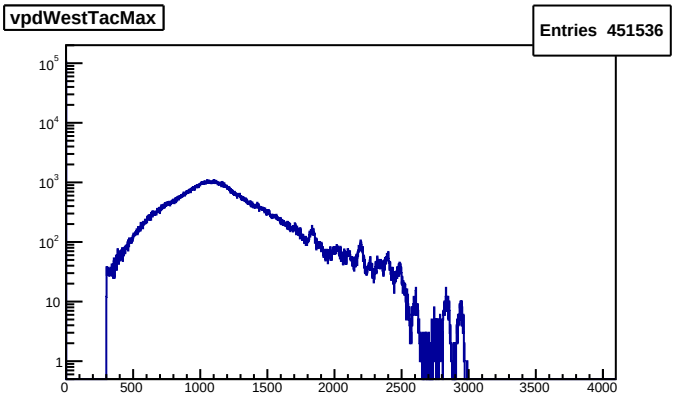

vpdEastAdcSumVsSimu
Entries 284027
Data
Simu

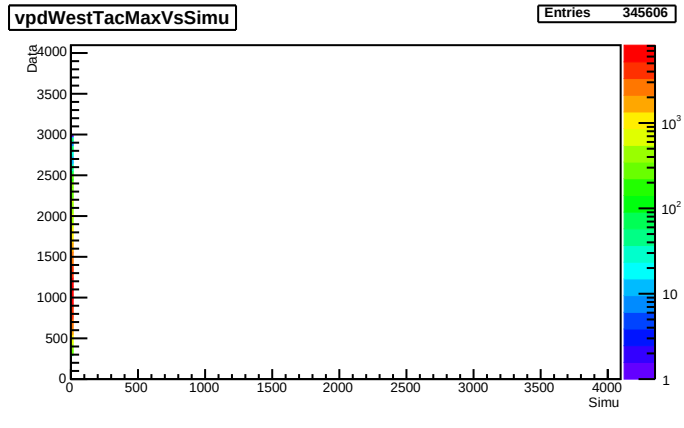

vpdEastTacMax
Entries 451536

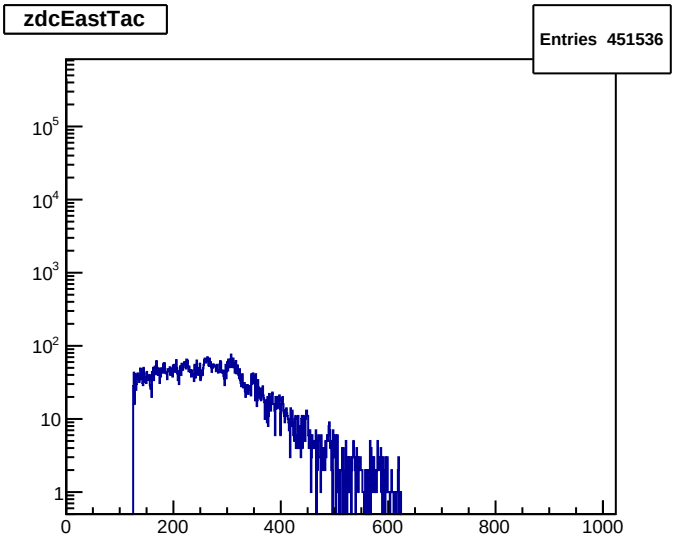

vpdEastTacMaxVsSimu
Entries 284027
Data
Simu

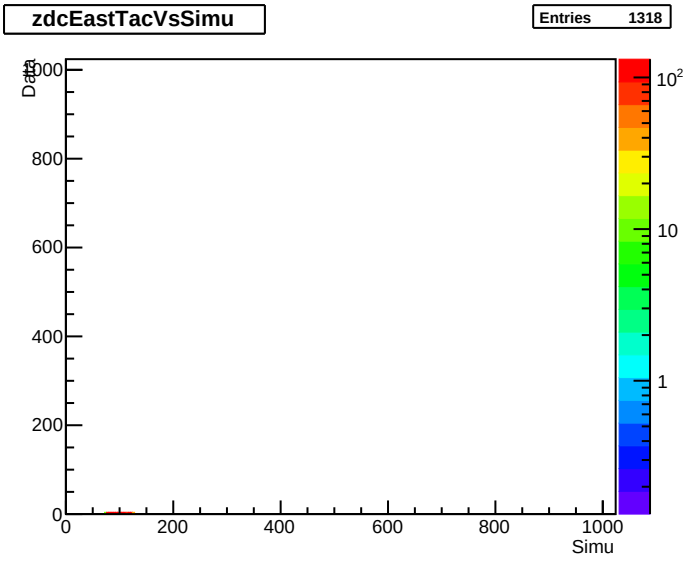

vpdWestAdcSum
Entries 451536

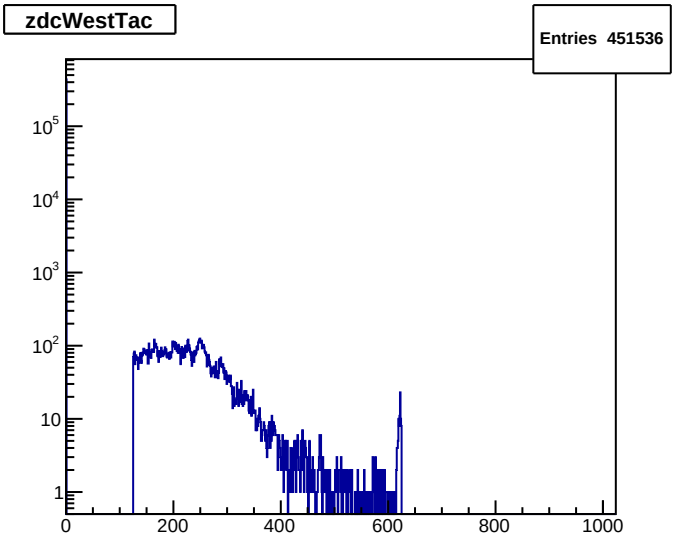

vpdWestAdcSumVsSimu
Entries 345606
Data
Simu

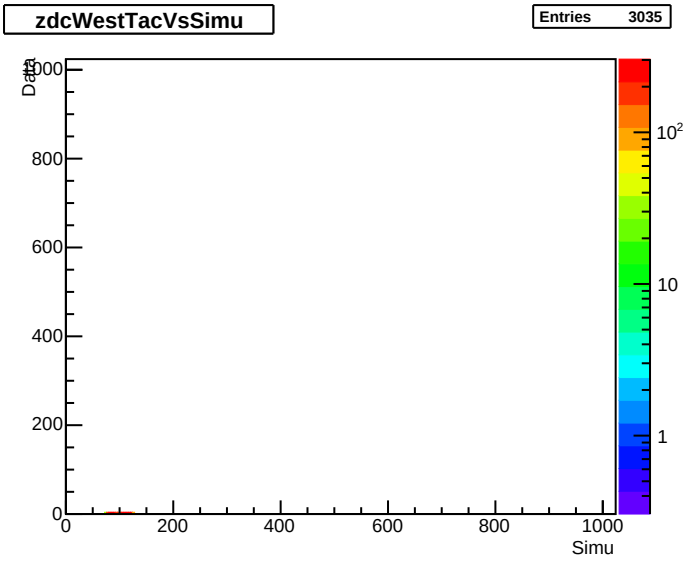

vpdWestTacMax
Entries 451536

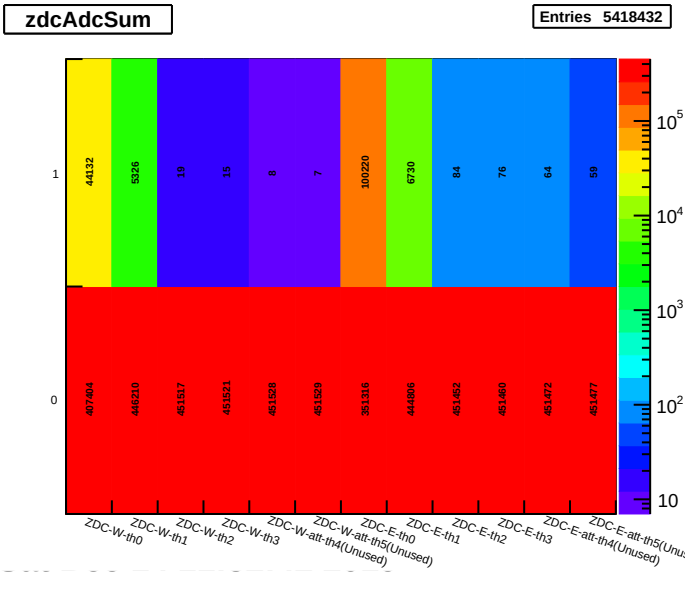

vpdWestTacMaxVsSimu
Entries 345606
Data
Simu

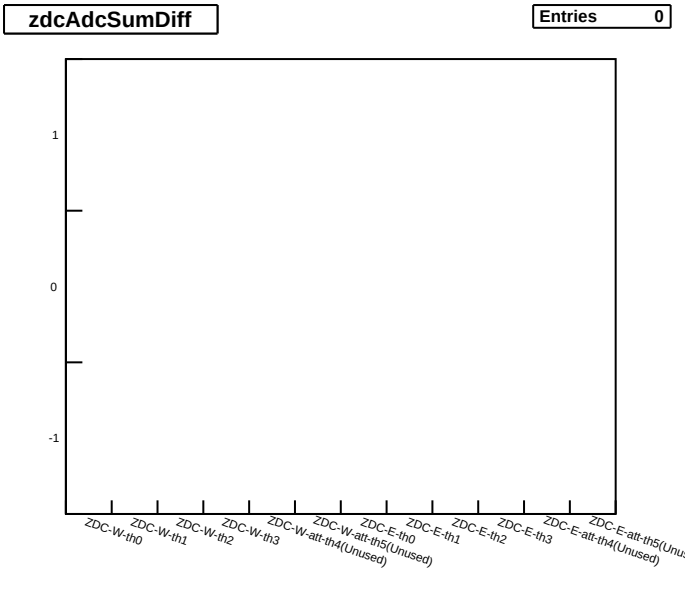

zdcEastTac
Entries 451536

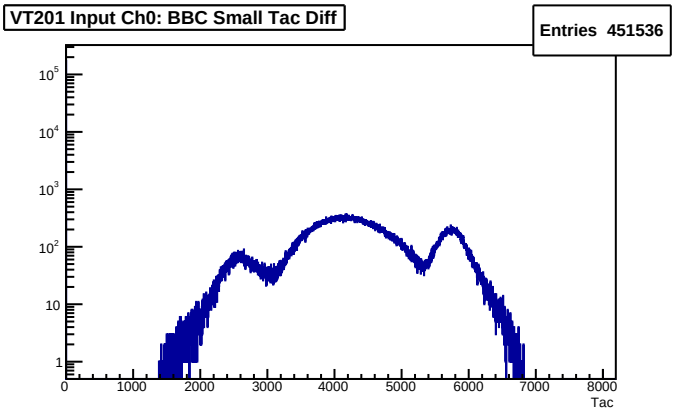

zdcEastTacVsSimu
Entries 1318
Data
Simu

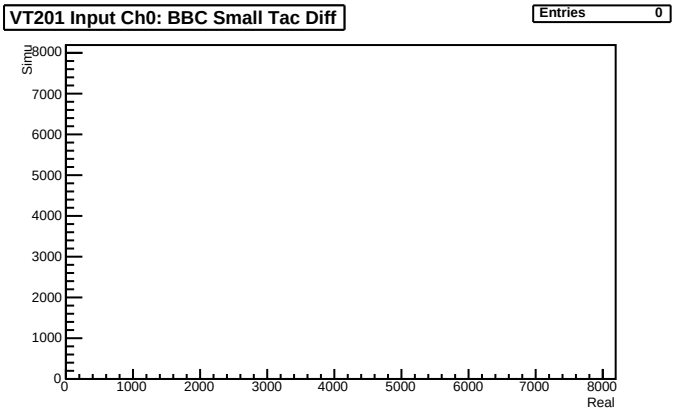

zdcWestTac
Entries 451536

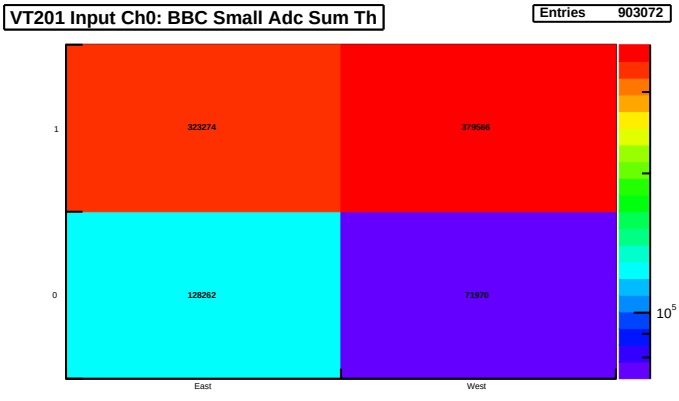

zdcWestTacVsSimu
Entries 3035
Data
Simu

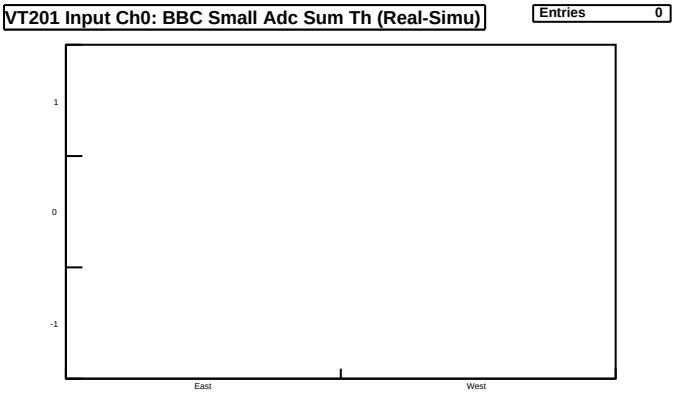

zdcAdcSum
Entries 5418432
44132
5326
19
15
8
7
100220
6730
84
76
64
59
407404
446210
451517
451521
451528
451529
351316
444806
451452
451460
451472
451477
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

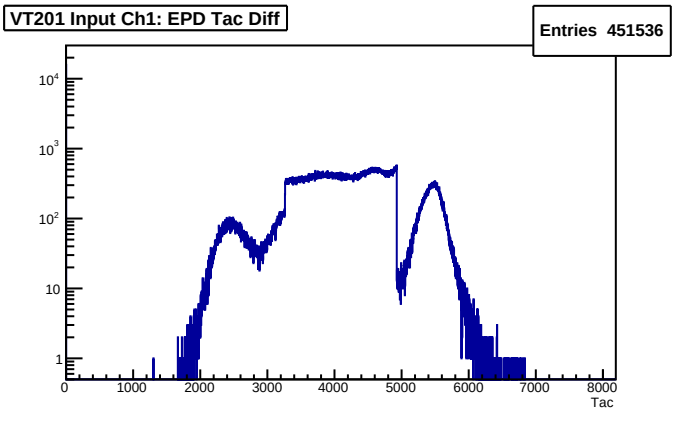

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

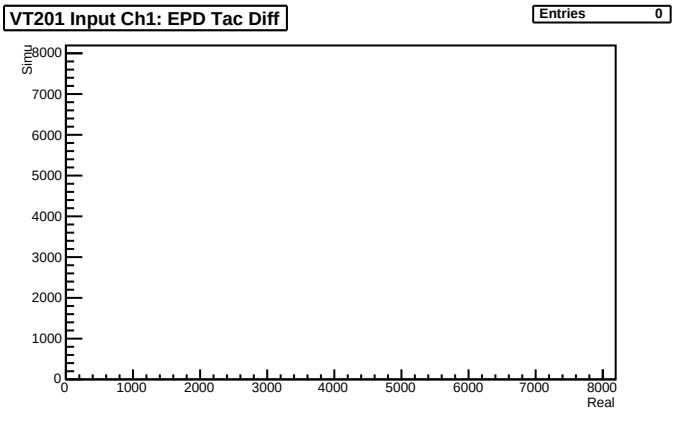

VT201 Input Ch0: BBC Small Tac Diff
Entries 451536
Tac

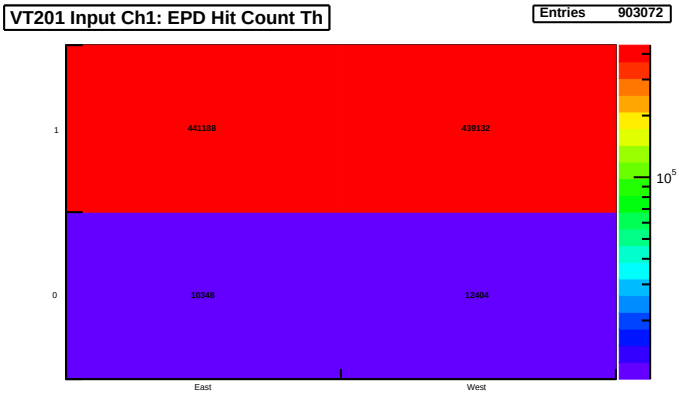

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

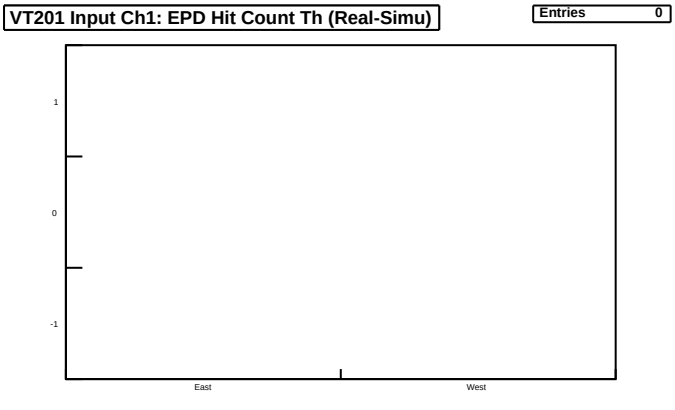

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 903072
323274
379566
128262
71970
East
West

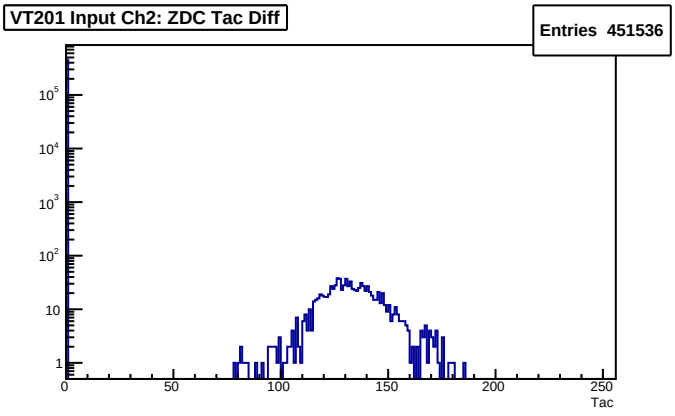

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

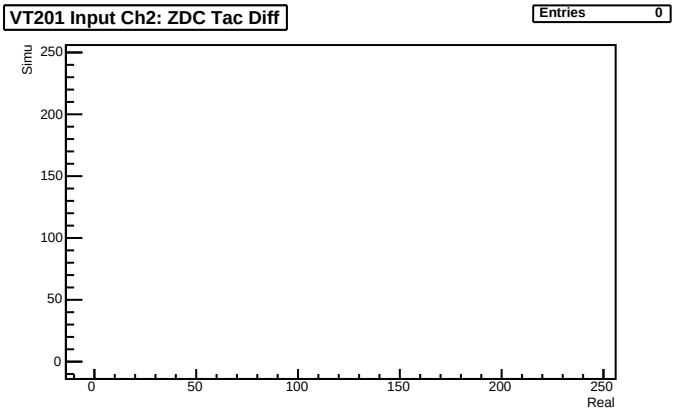

VT201 Input Ch1: EPD Tac Diff
Entries 451536
Tac

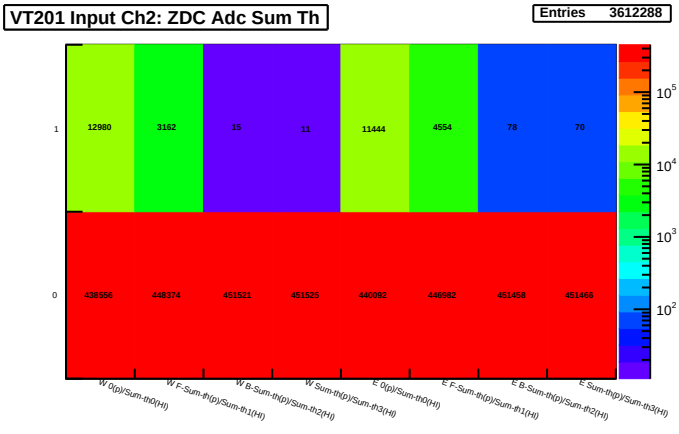

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

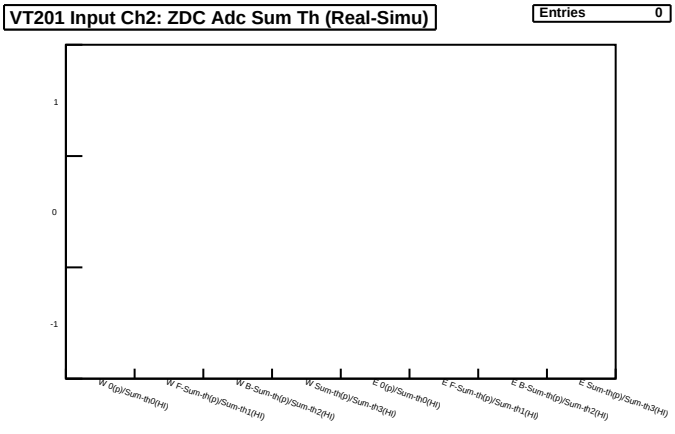

VT201 Input Ch1: EPD Hit Count Th
Entries 903072
441188
439132
10348
12404
East
West

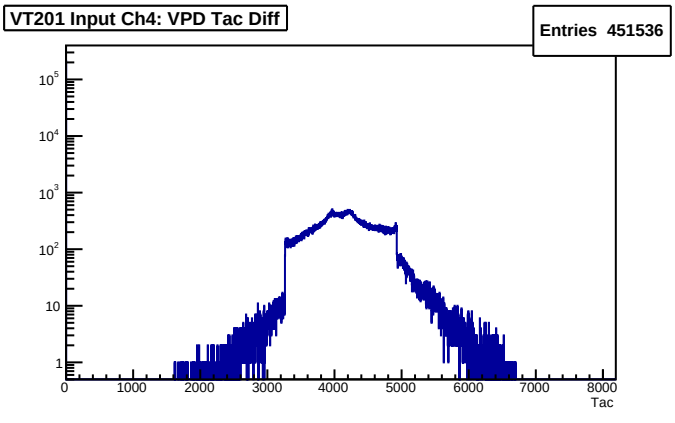

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

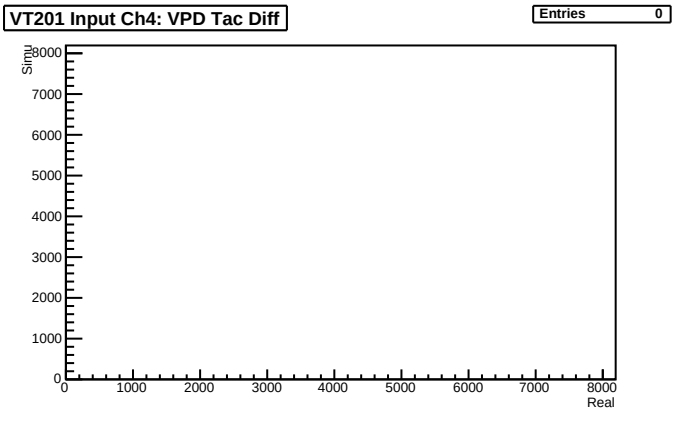

VT201 Input Ch2: ZDC Tac Diff
Entries 451536
Tac

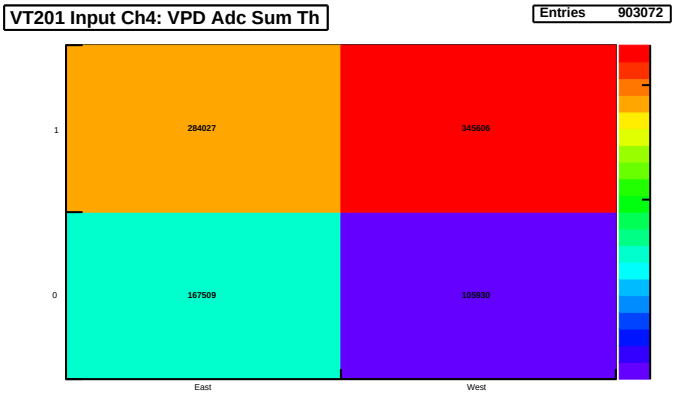

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

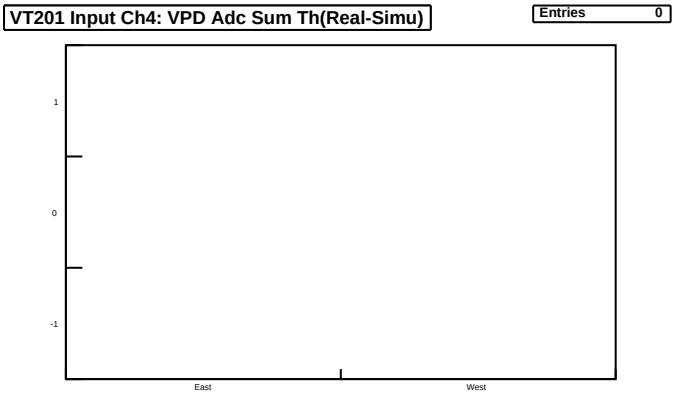

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3612288
12980
3162
15
11
11444
4554
78
70
438556
448374
451521
451525
440092
446982
451458
451466
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

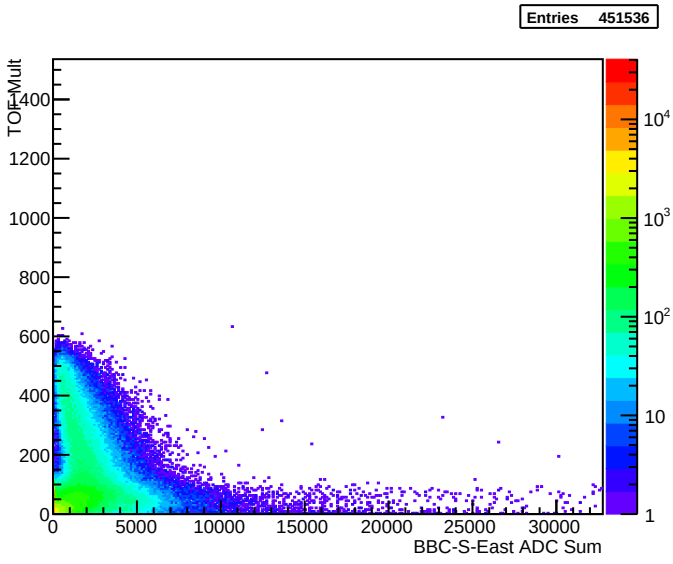

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

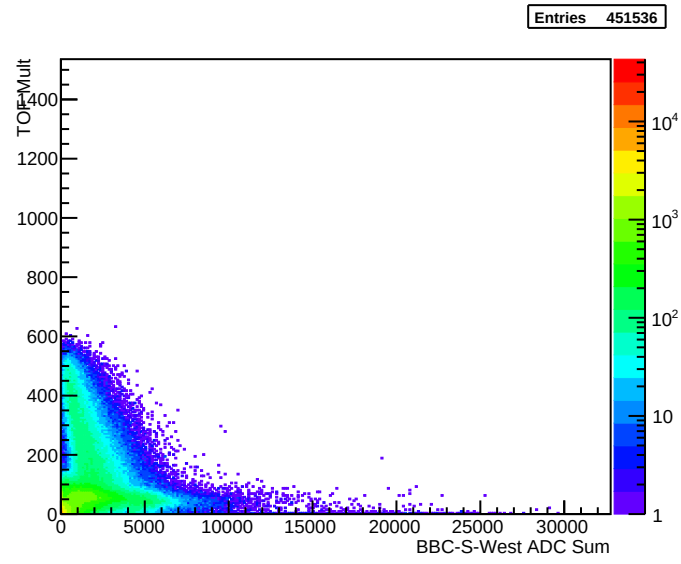

VT201 Input Ch4: VPD Tac Diff
Entries 451536
Tac

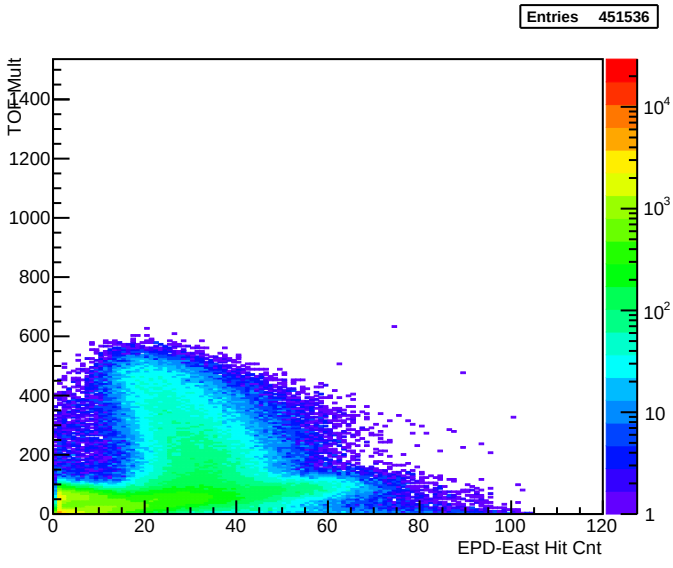

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

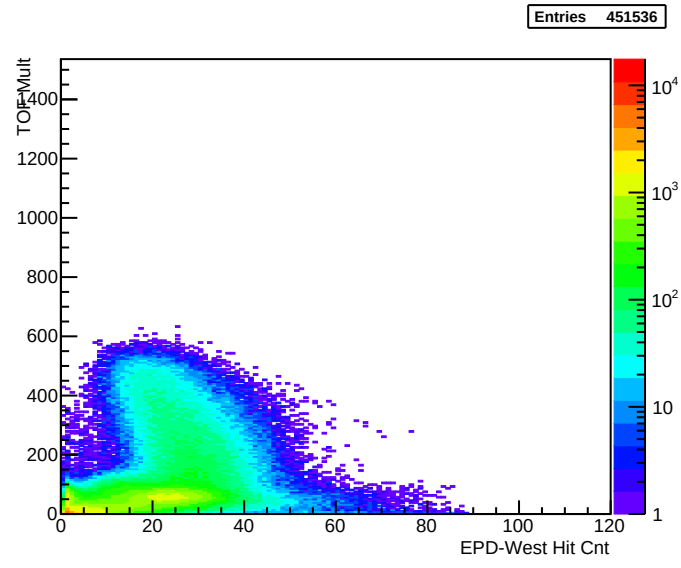

VT201 Input Ch4: VPD Adc Sum Th
Entries 903072
284027
345606
167509
105930
East
West

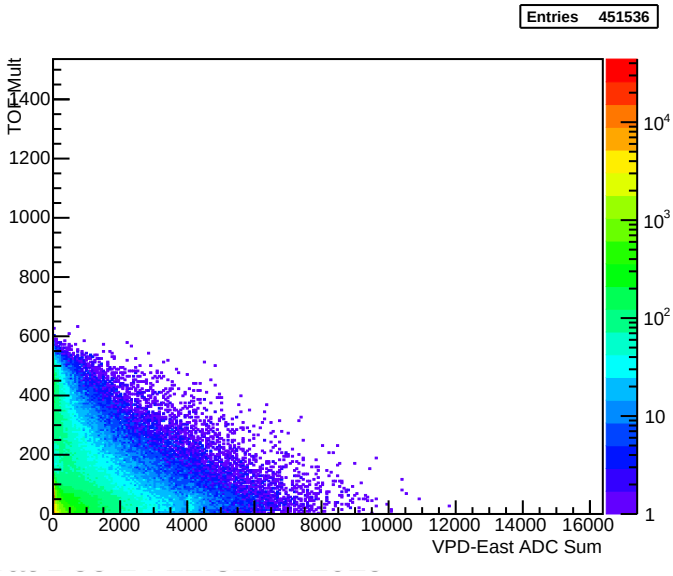

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

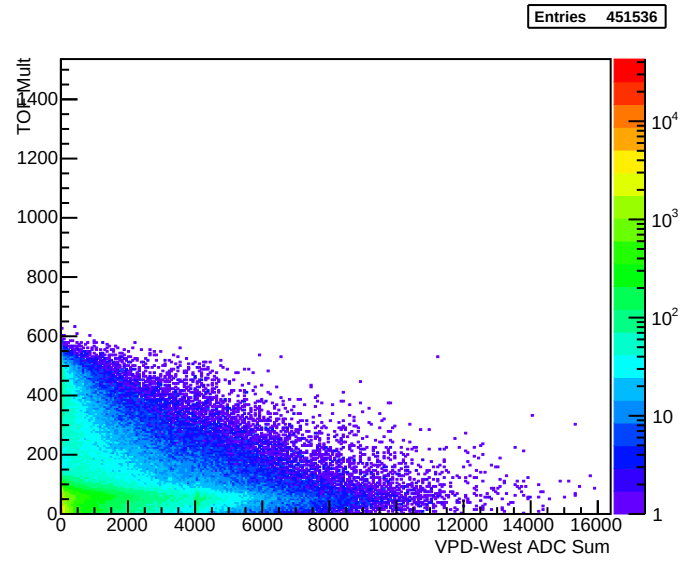

Entries 451536
TOF-Mult
BBC-S-East ADC Sum

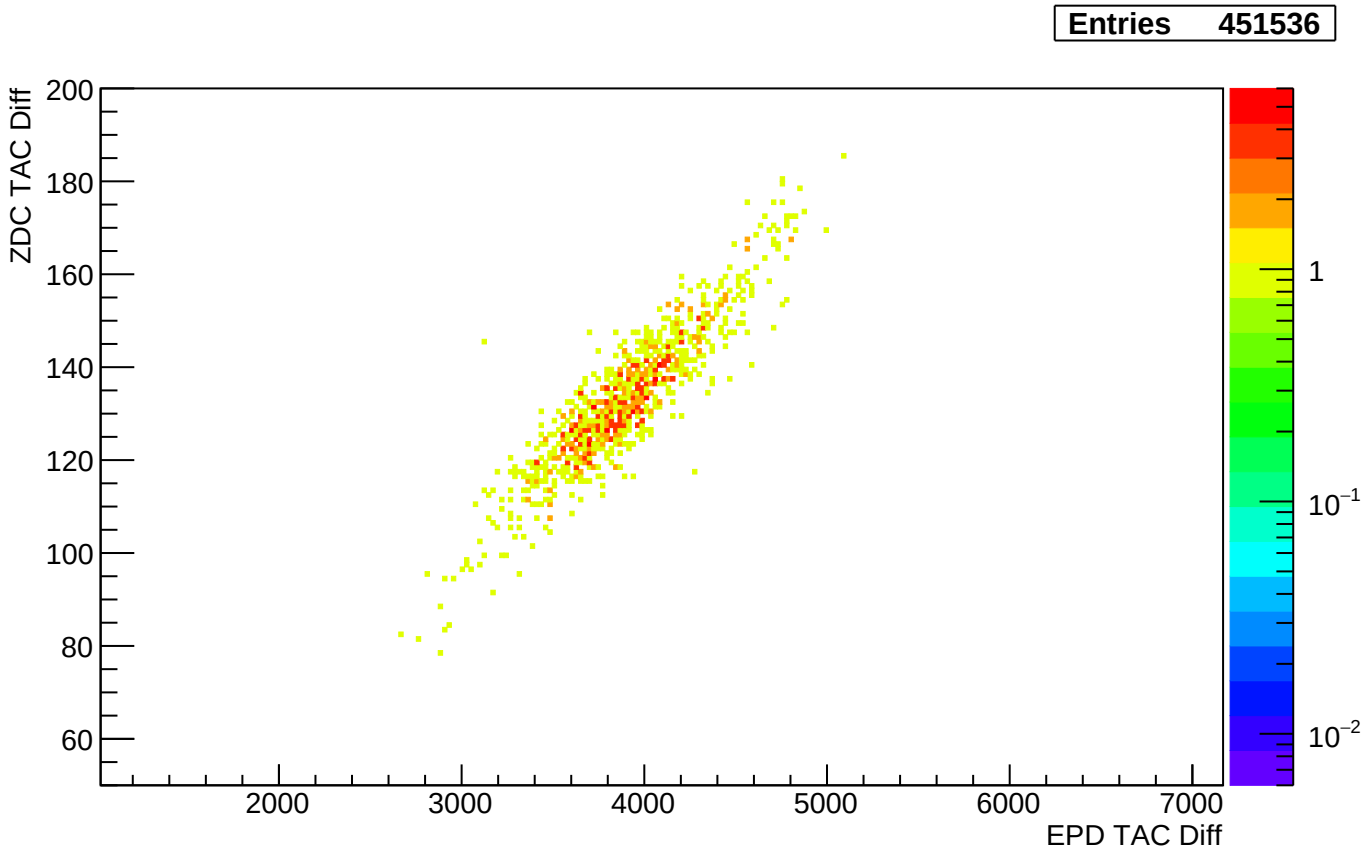

Entries 451536
TOF-Mult
BBC-S-West ADC Sum

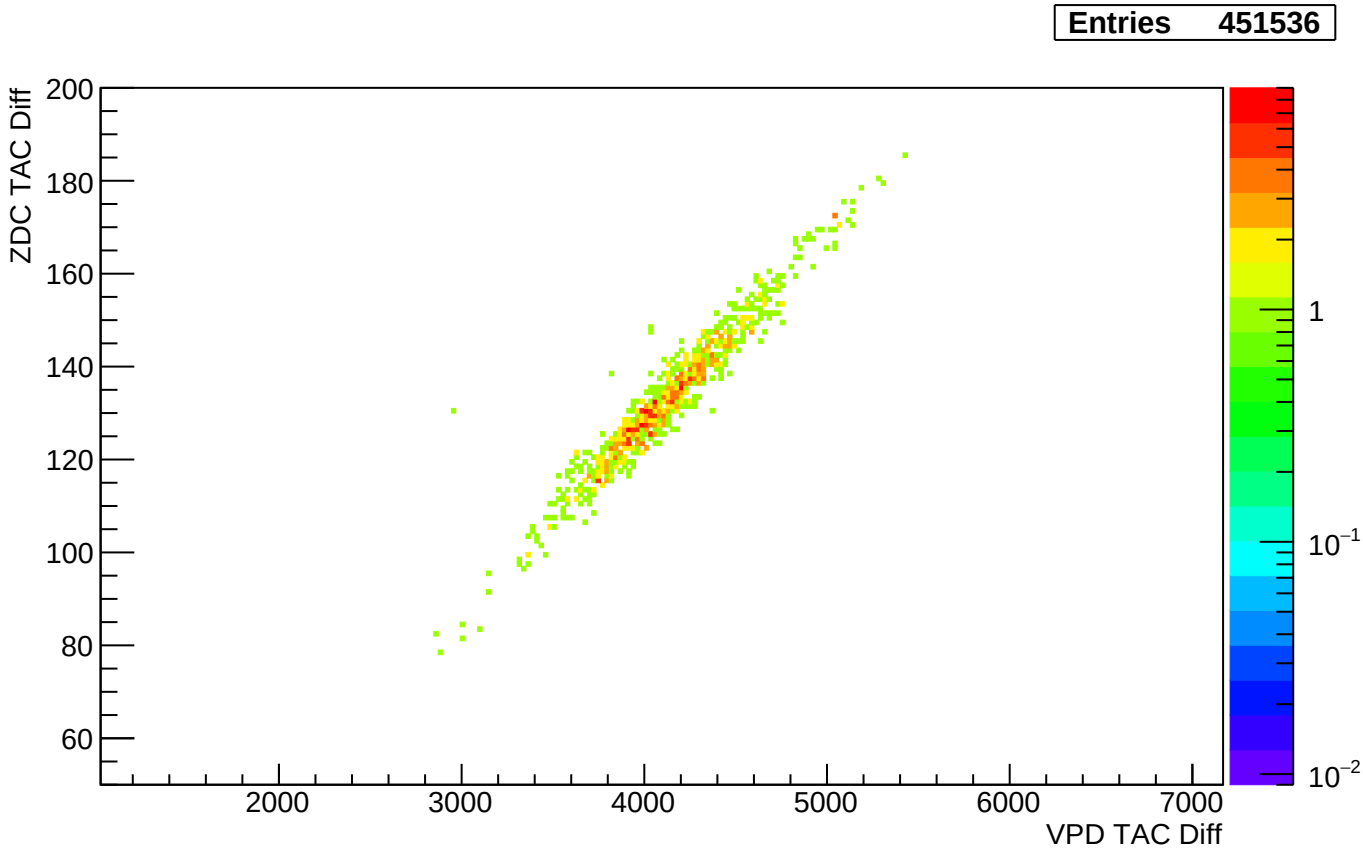

Entries 451536
TOF-Mult
EPD-East Hit Cnt

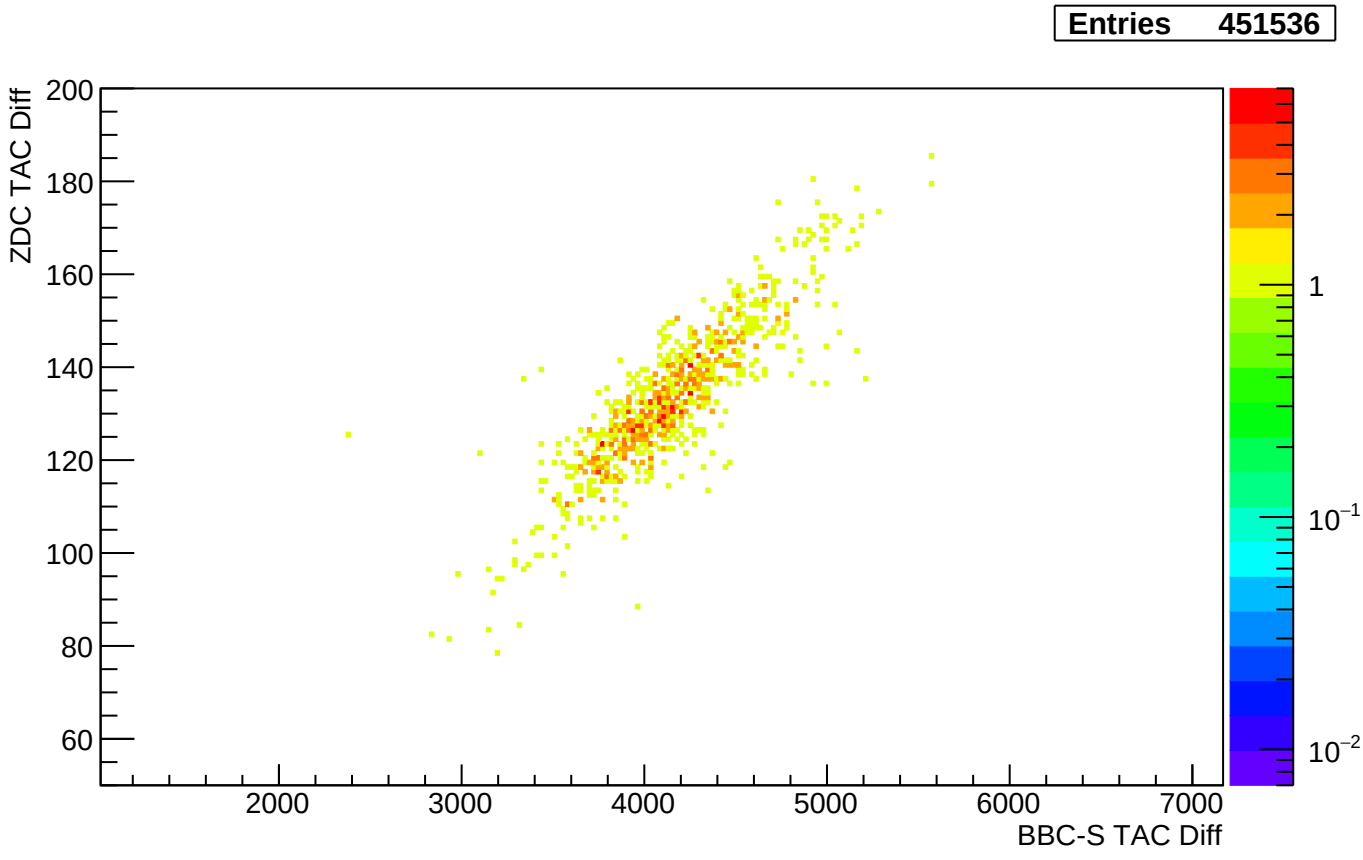

Entries 451536
TOF-Mult
EPD-West Hit Cnt

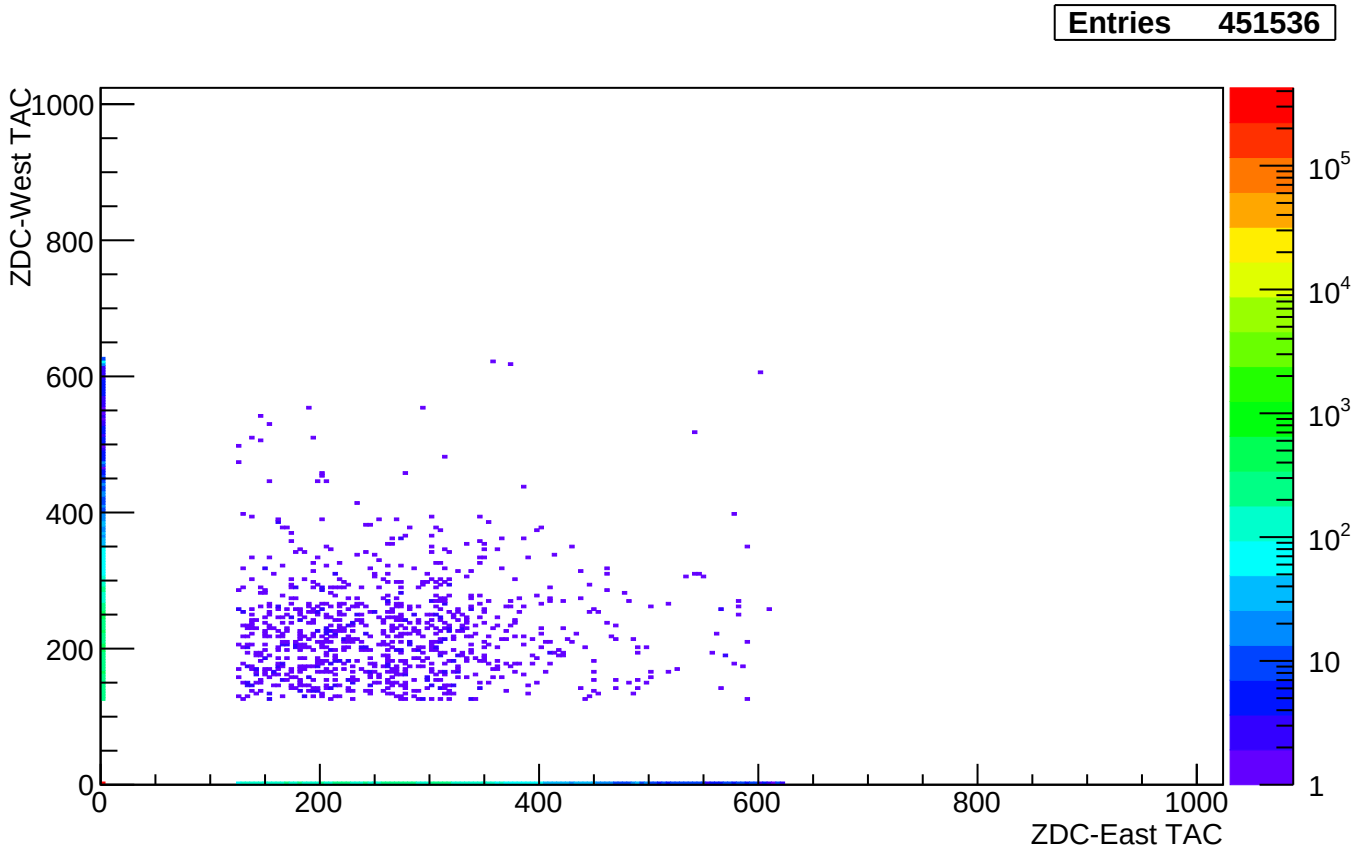

Entries 451536
TOF-Mult
VPD-East ADC Sum

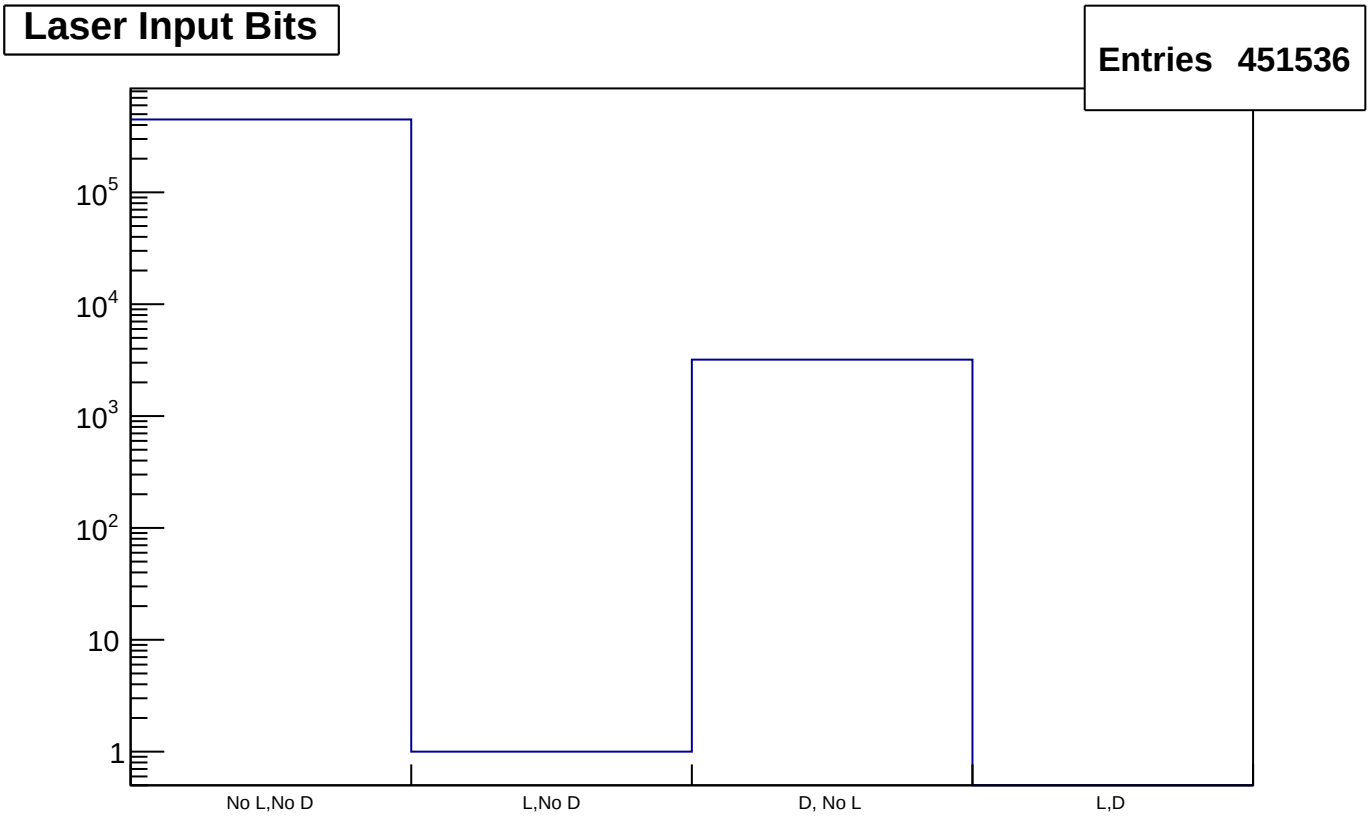

Entries 451536
TOF-Mult
VPD-West ADC Sum

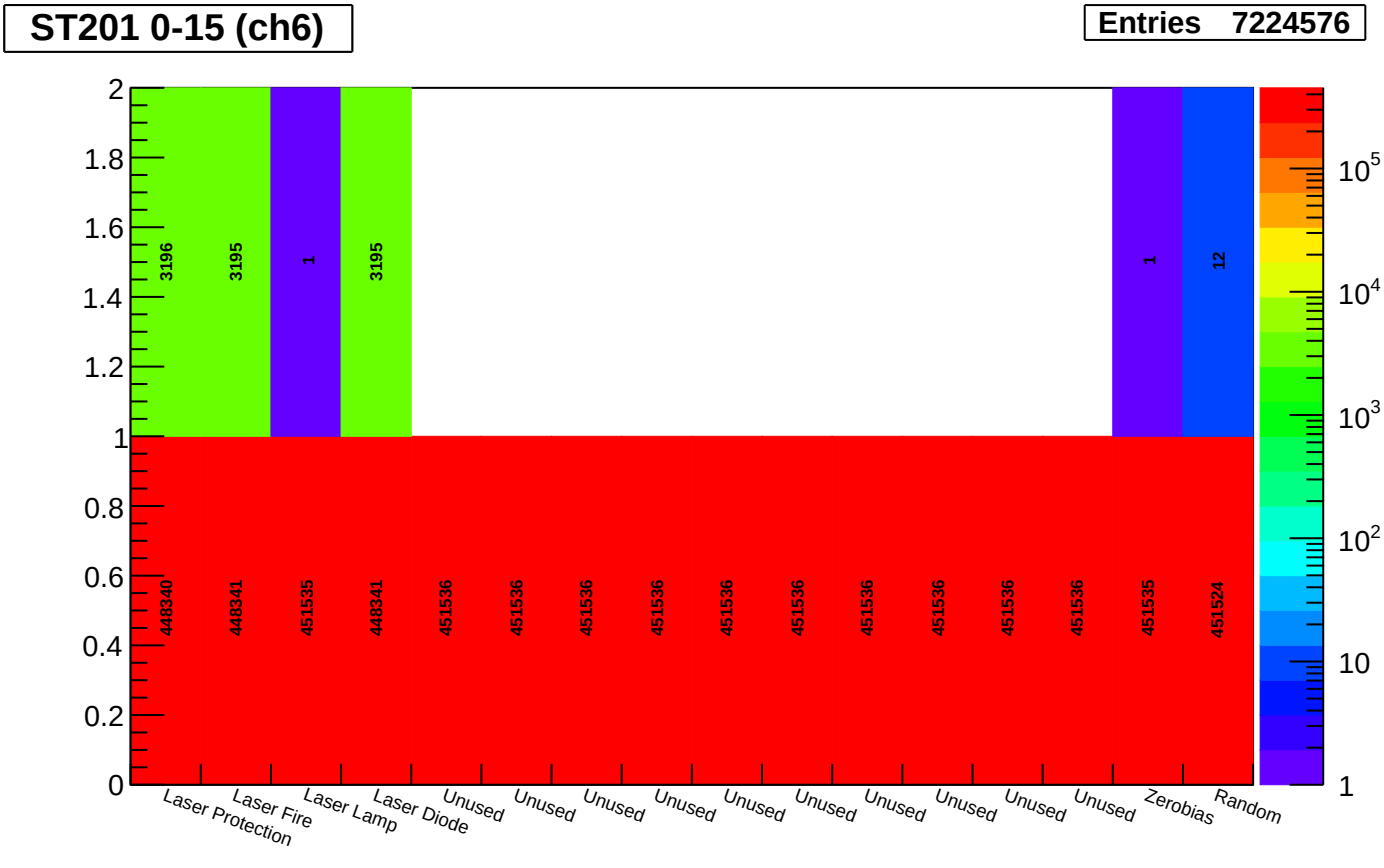

Entries 451536
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

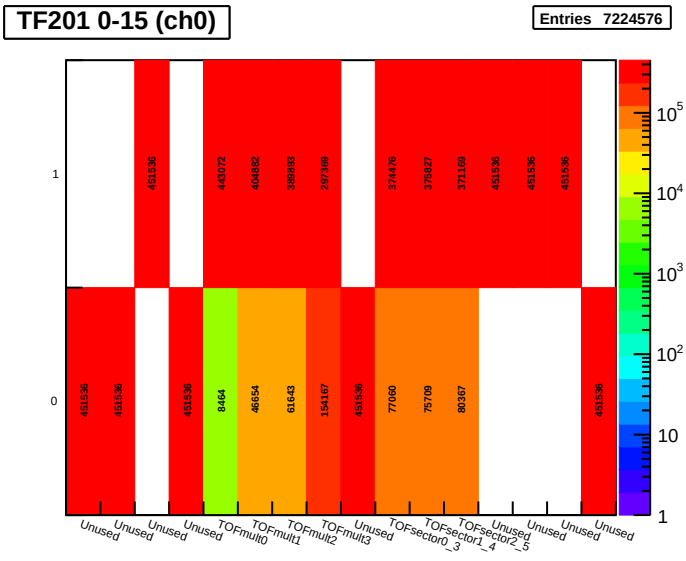

Entries 451536
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

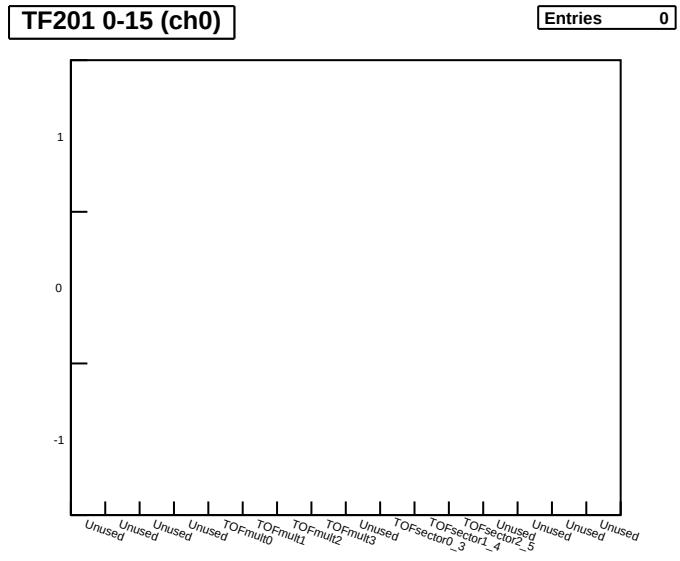

Entries 451536
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

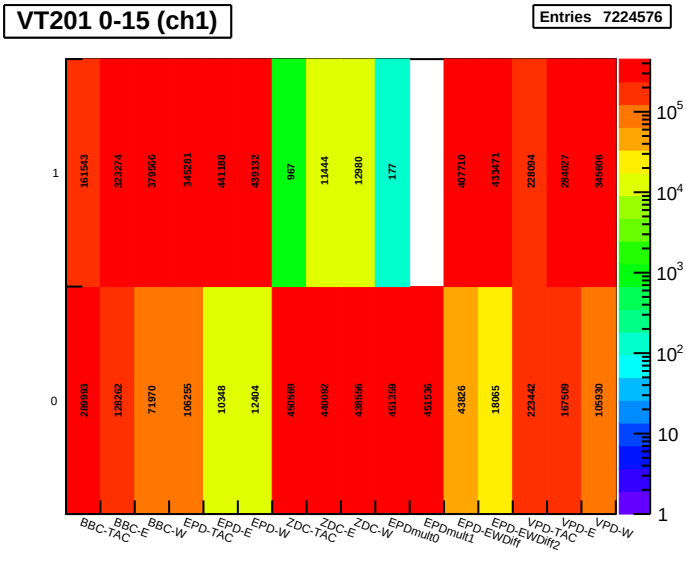

Entries 451536
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

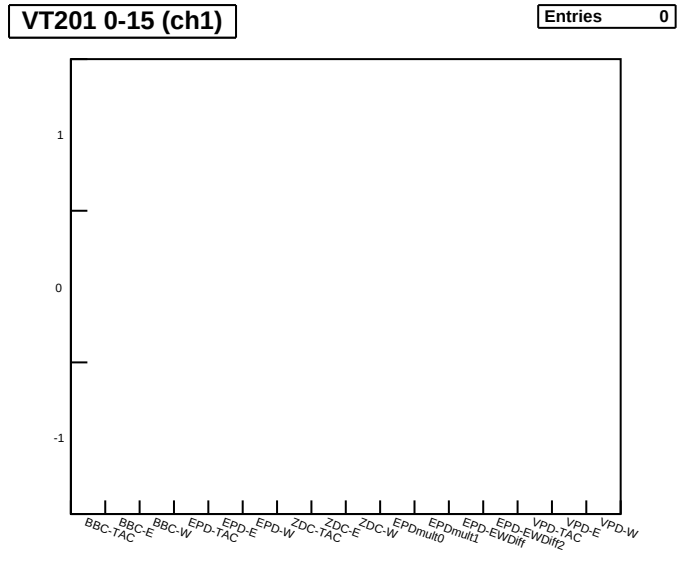

Laser Input Bits
Entries 451536
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

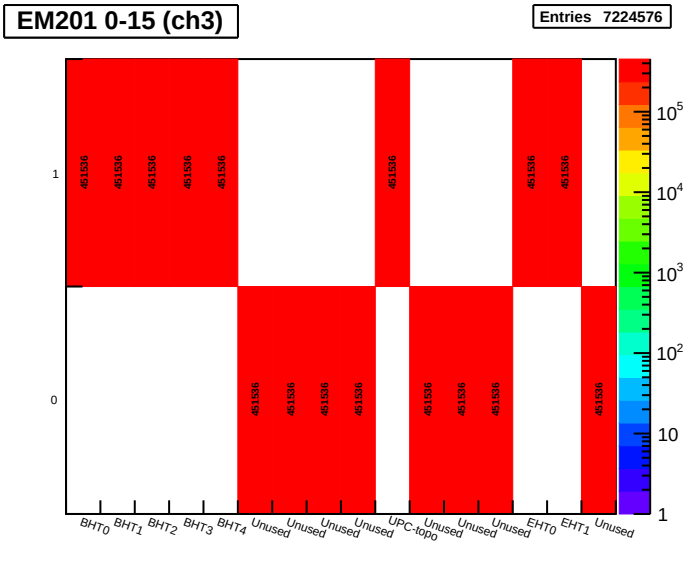

ST201 0-15 (ch6)
Entries 7224576
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3196
3195
1
3195
1
12
448340
448341
451535
448341
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451535
451524
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

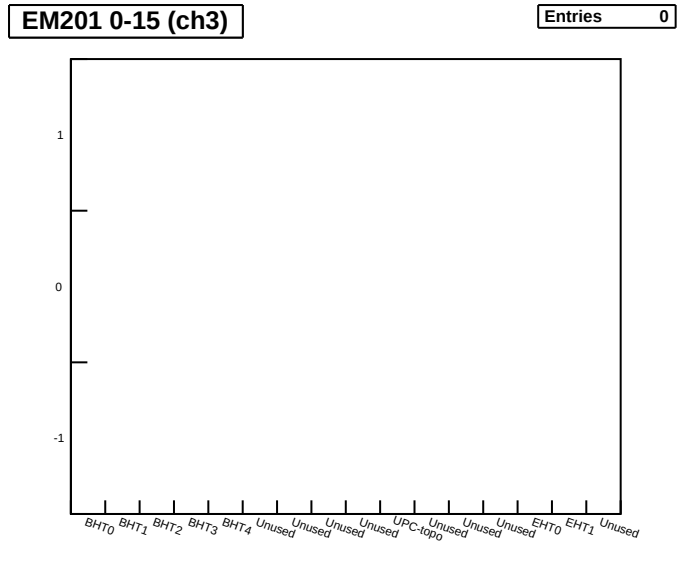

TF201 0-15 (ch0)
Entries 7224576
1
0
451536
443072
404882
389893
297369
374476
375927
371169
451536
451536
451536
451536
451536
451536
8464
46654
61643
154167
451536
77060
75709
80367
451536
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 7224576
1
0
161543
323274
379566
345281
441188
439132
967
11444
12980
177
407710
433471
228094
284027
345686
289993
128262
71970
106255
10348
12404
450569
440092
438556
451359
451536
43826
18065
223442
167509
106930
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
10^5
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 7224576
1
0
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
451536
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^5
10^4
10^3
10^2
10
1


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