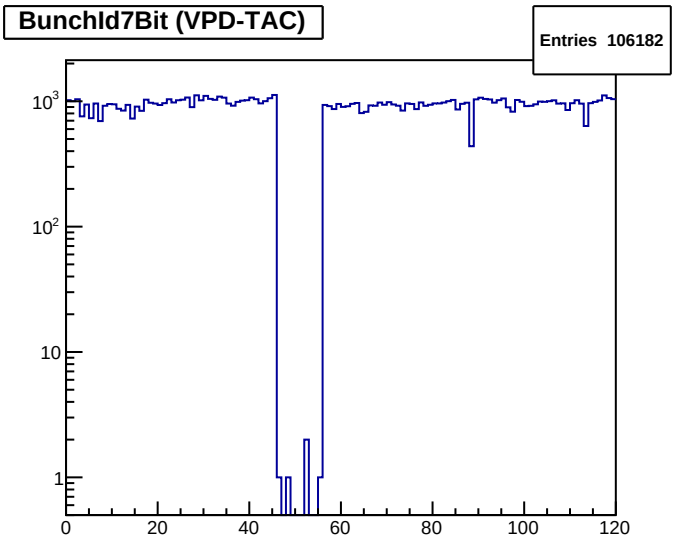
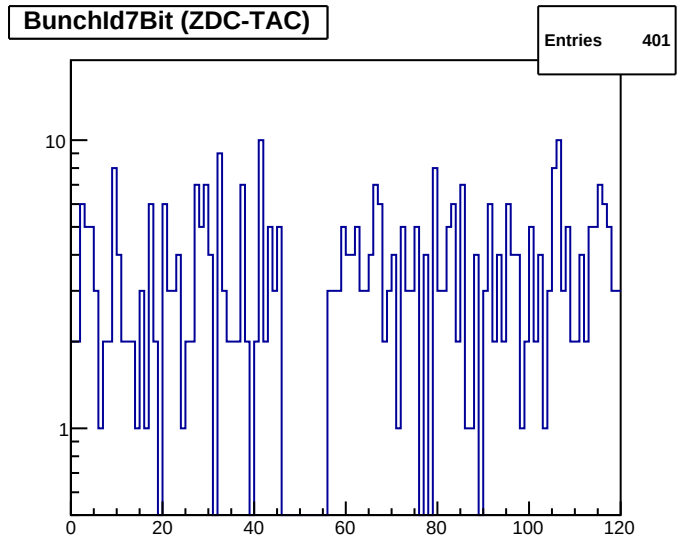
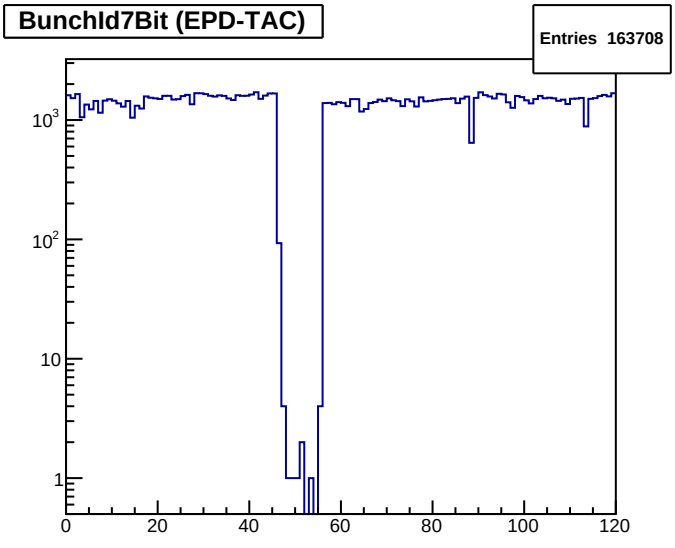
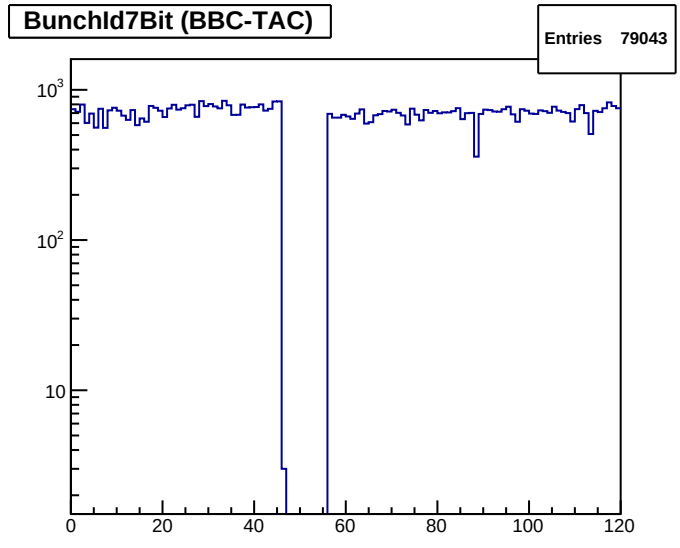
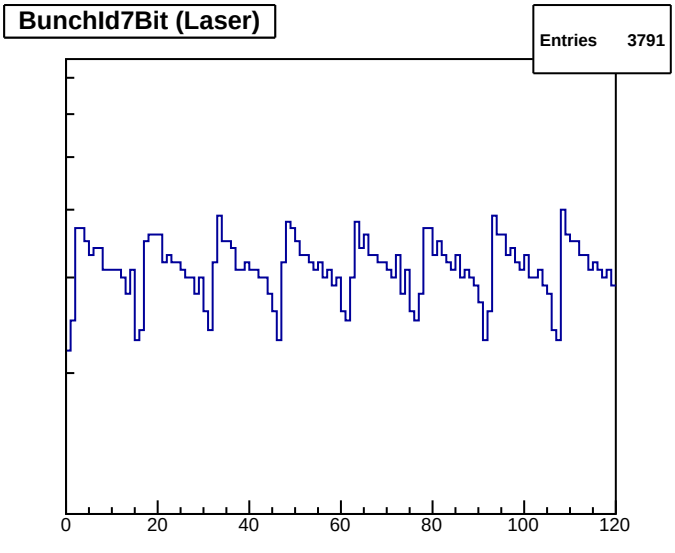
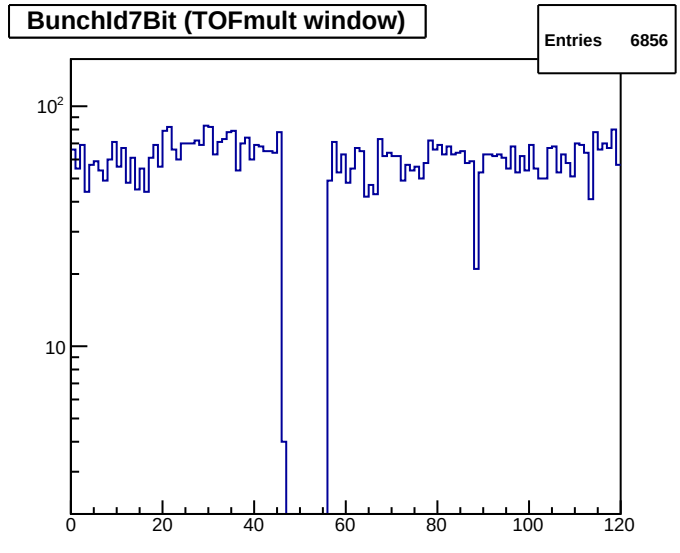

BunchId7Bit (VPD-TAC)
Entries 106182
10^3
10^2
10
1
0
20
40
60
80
100
120

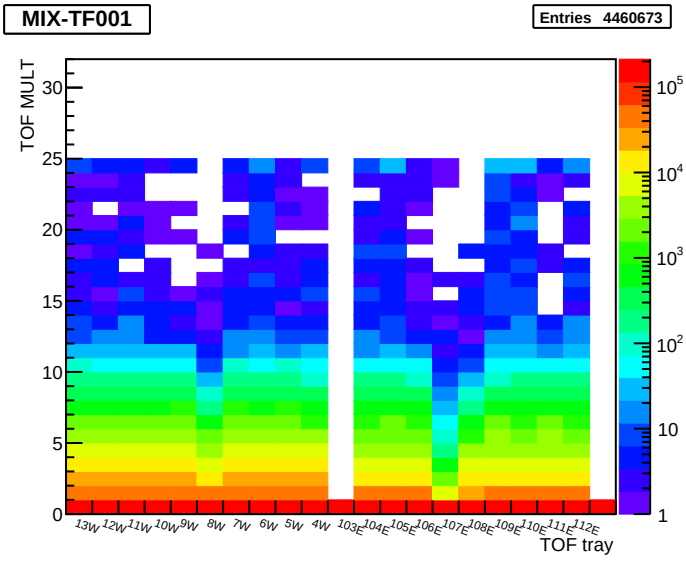

BunchId7Bit (ZDC-TAC)
Entries 401
10
1
0
20
40
60
80
100
120

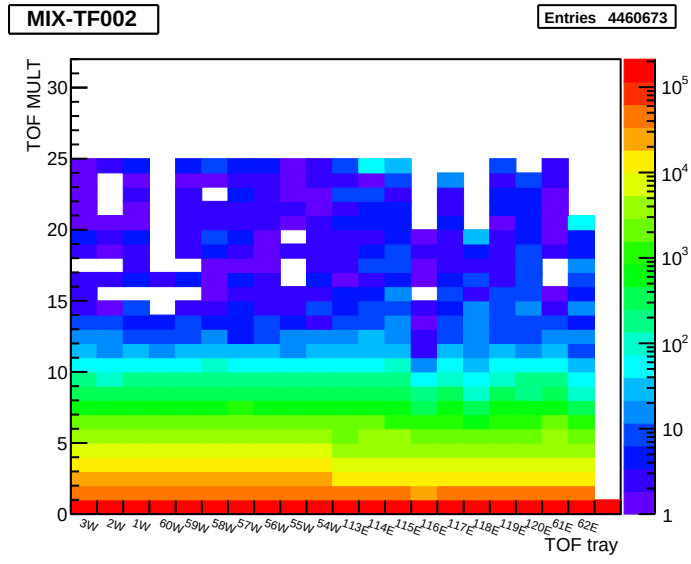

BunchId7Bit (EPD-TAC)
Entries 163708
10^3
10^2
10
1
0
20
40
60
80
100
120

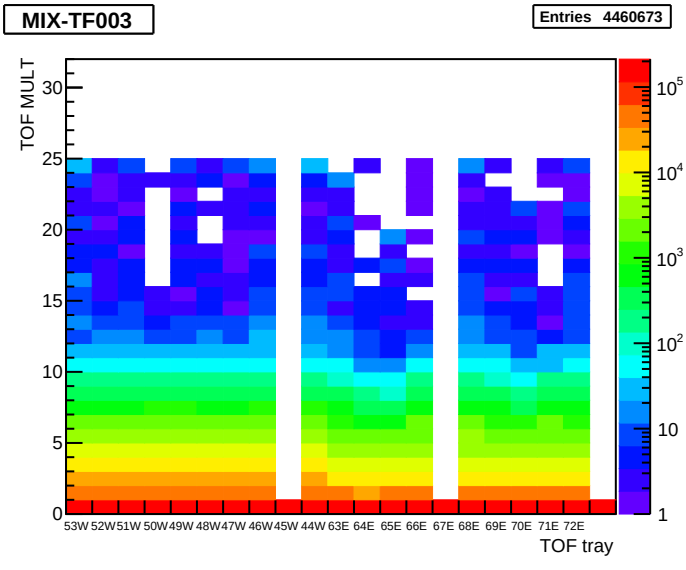

BunchId7Bit (BBC-TAC)
Entries 79043
10^3
10^2
10
0
20
40
60
80
100
120

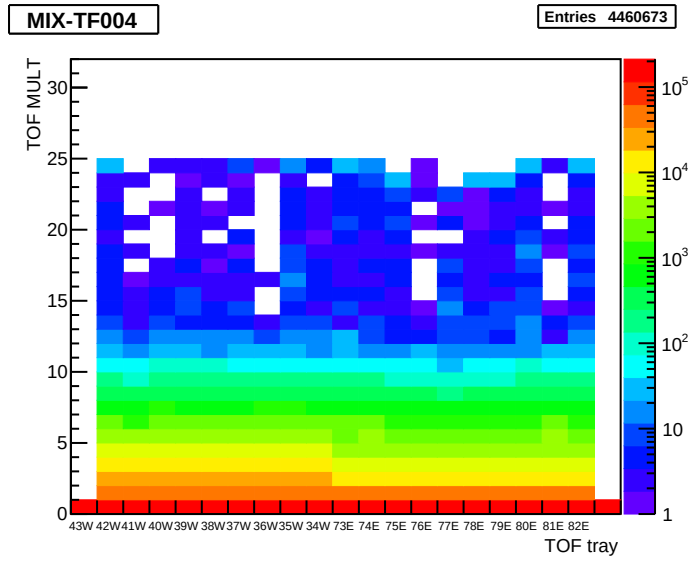

BunchId7Bit (Laser)
Entries 3791
0
20
40
60
80
100
120

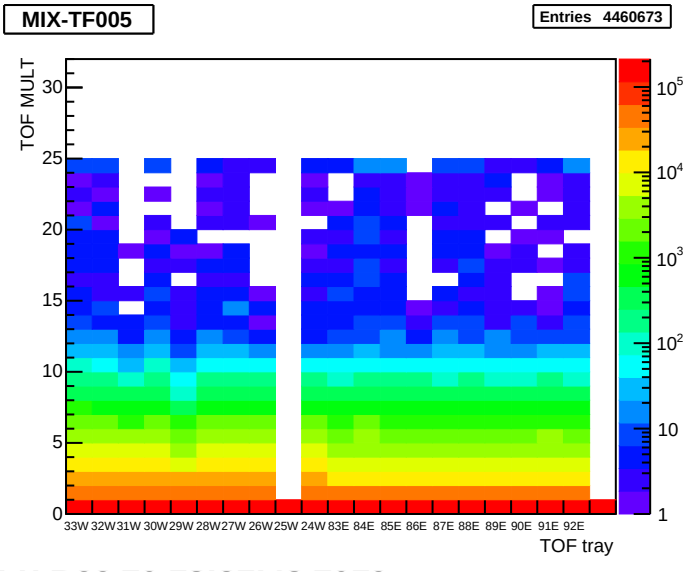

BunchId7Bit (TOFmult window)
Entries 6856
10^2
10
0
20
40
60
80
100
120

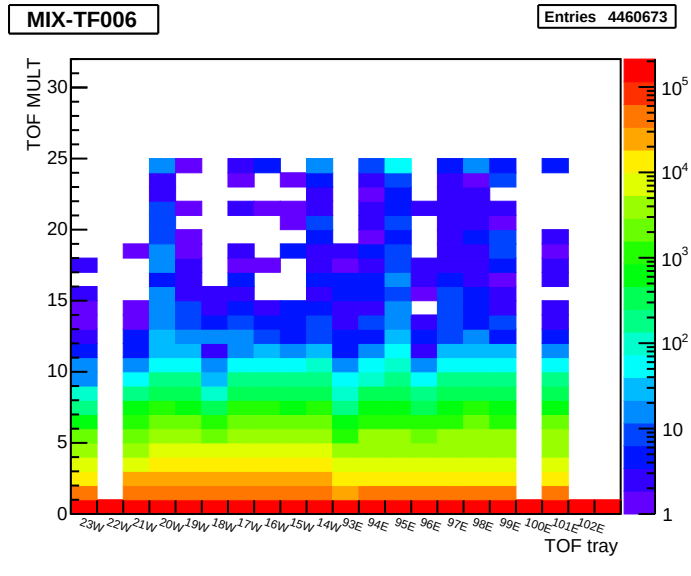

MIX-TF001
Entries 4460673
TOF MULT
TOF tray

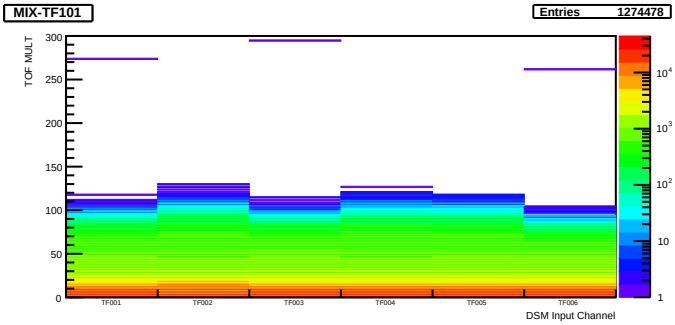

MIX-TF002
Entries 4460673
TOF MULT
TOF tray

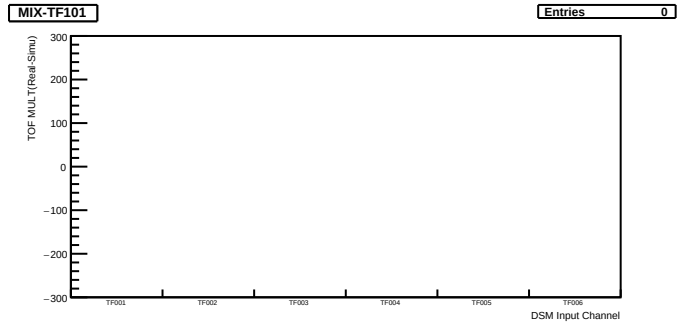

MIX-TF003
Entries 4460673
TOF MULT
TOF tray

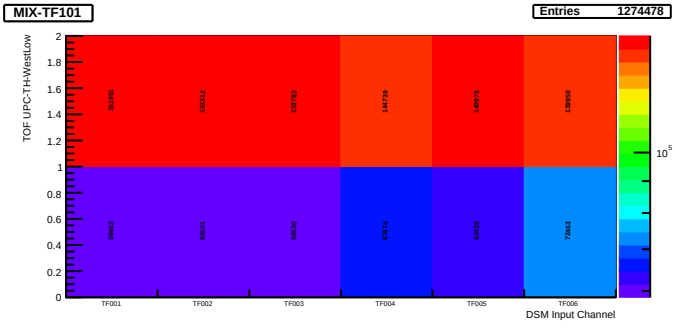

MIX-TF004
Entries 4460673
TOF MULT
TOF tray

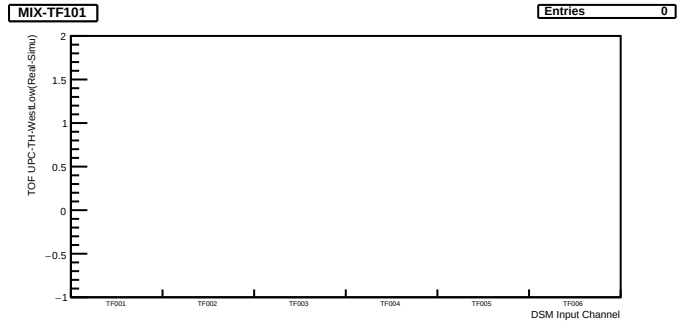

MIX-TF005
Entries 4460673
TOF MULT
TOF tray

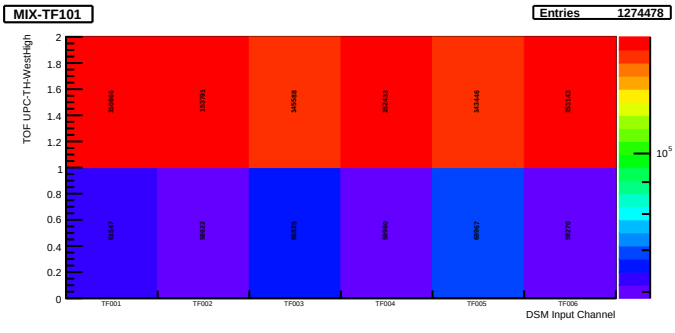

MIX-TF006
Entries 4460673
TOF MULT
TOF tray

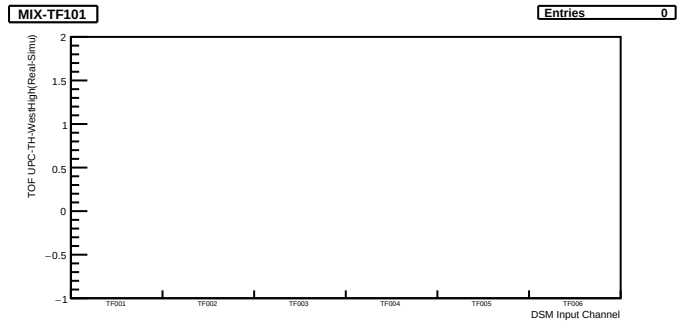

MIX-TF101
Entries 1274478
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

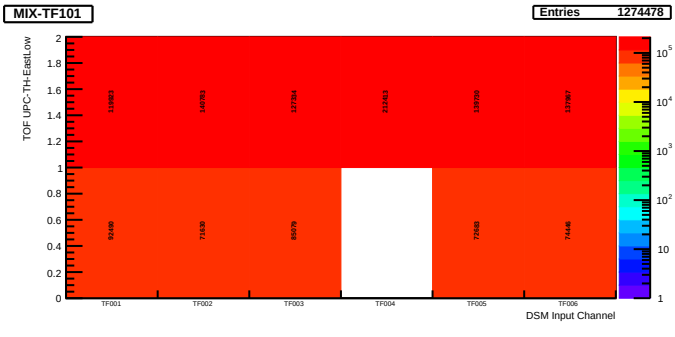

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

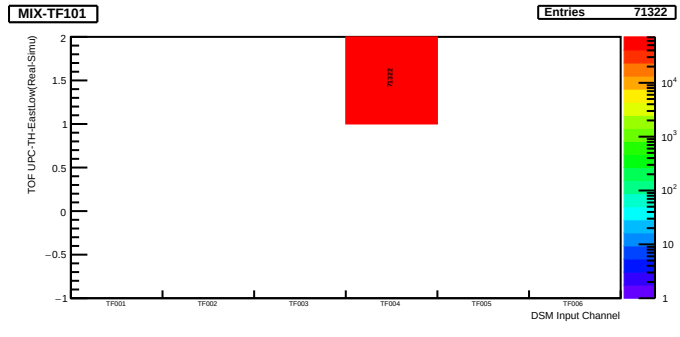

MIX-TF101
Entries 1274478
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

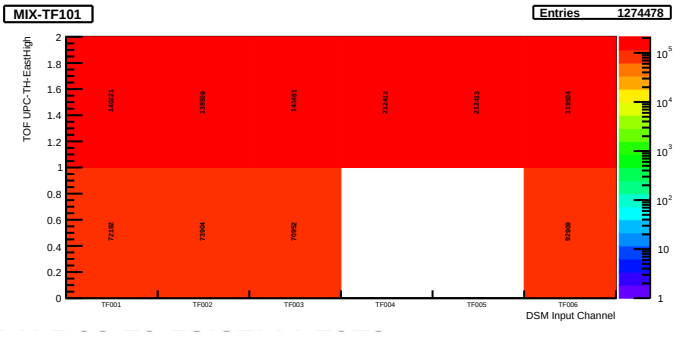

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

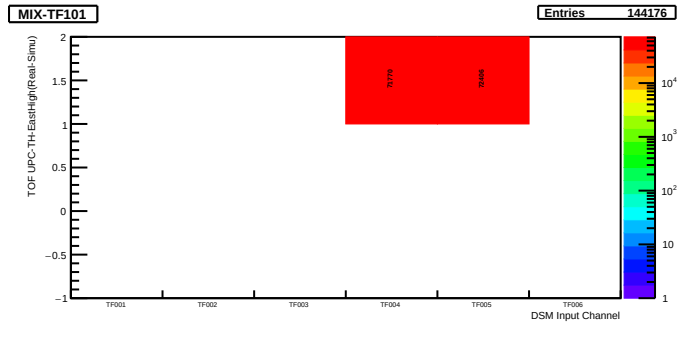

MIX-TF101
Entries 1274478
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

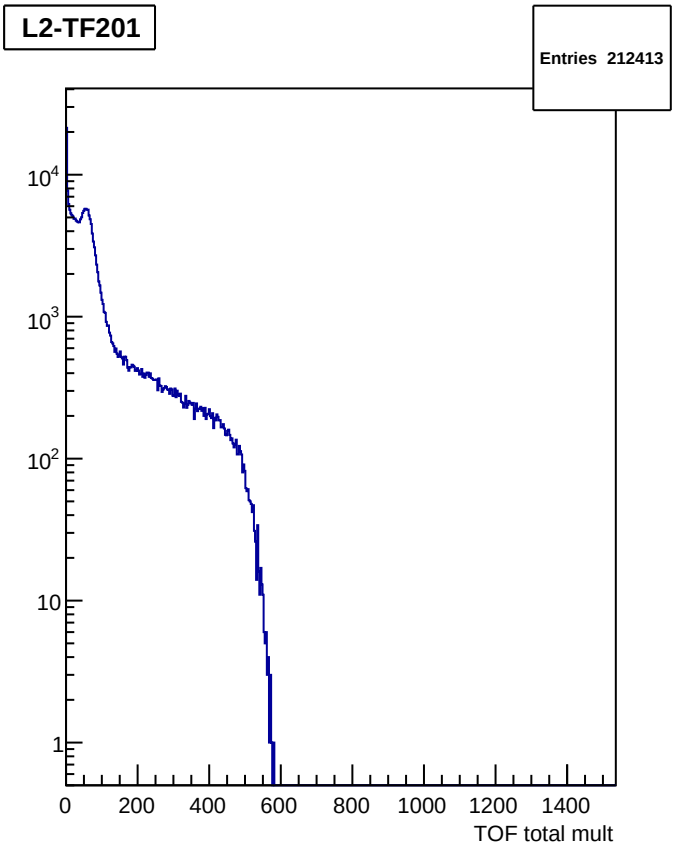

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

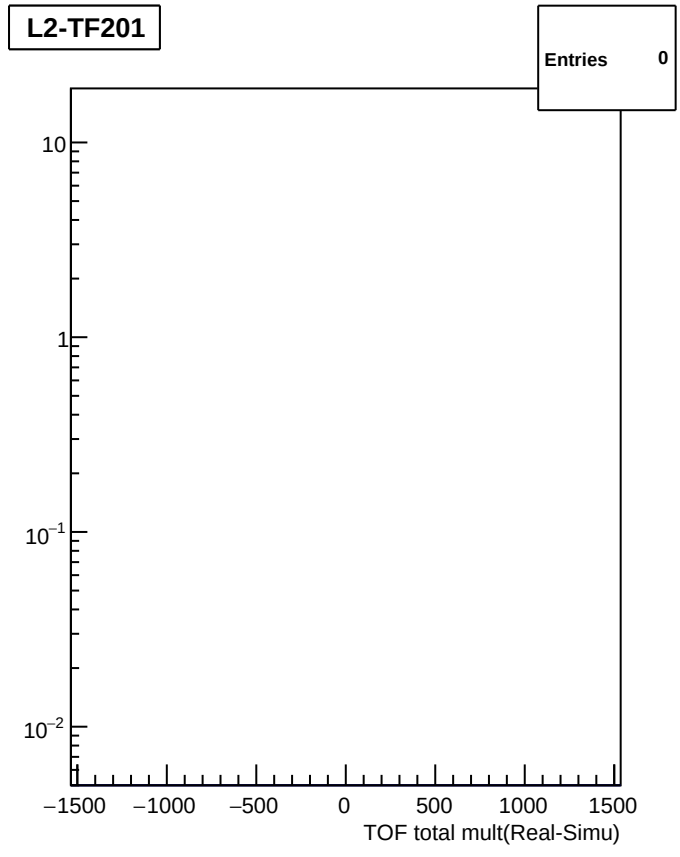

MIX-TF101
Entries 1274478
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

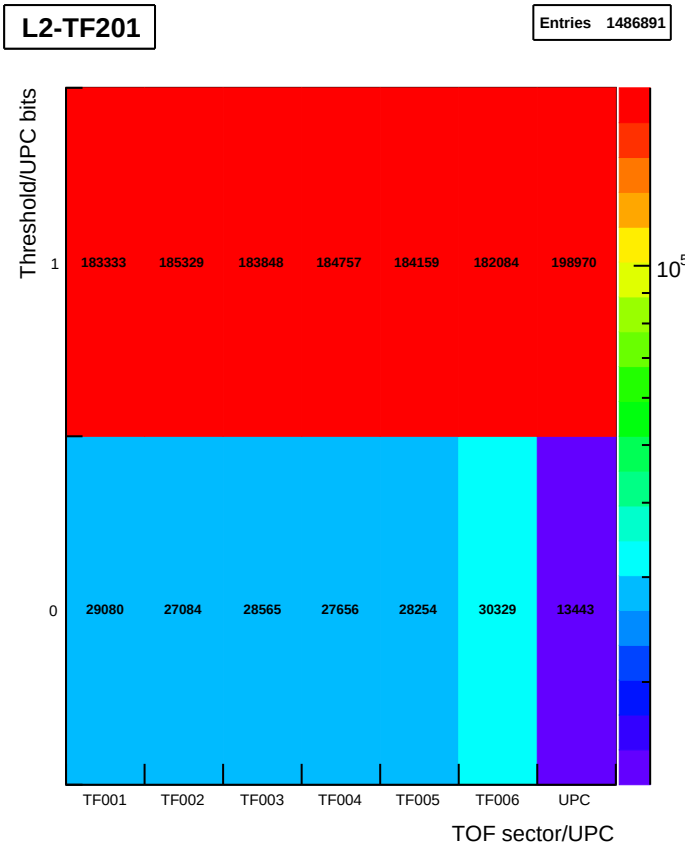

MIX-TF101
Entries 71322
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

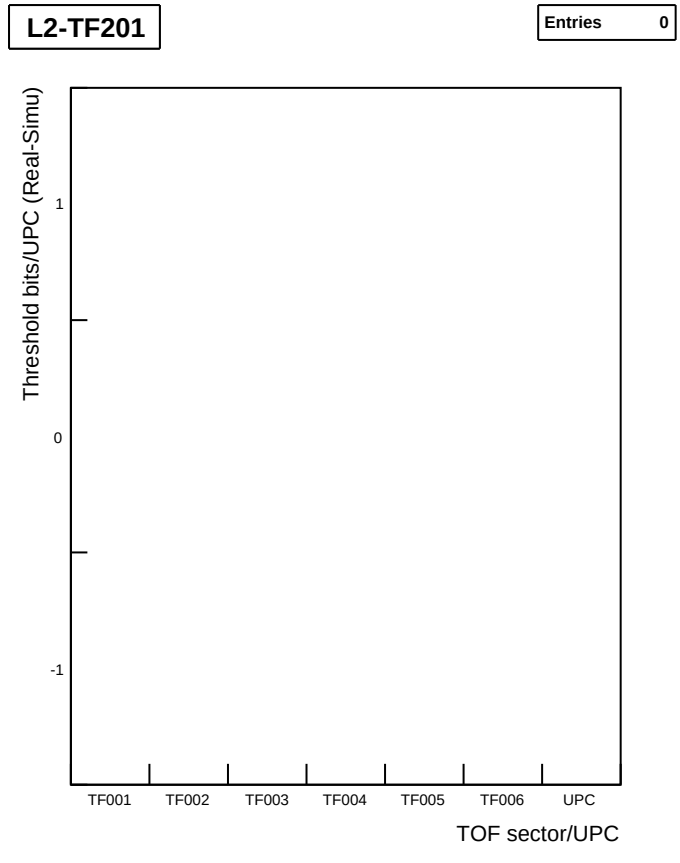

MIX-TF101
Entries 1274478
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

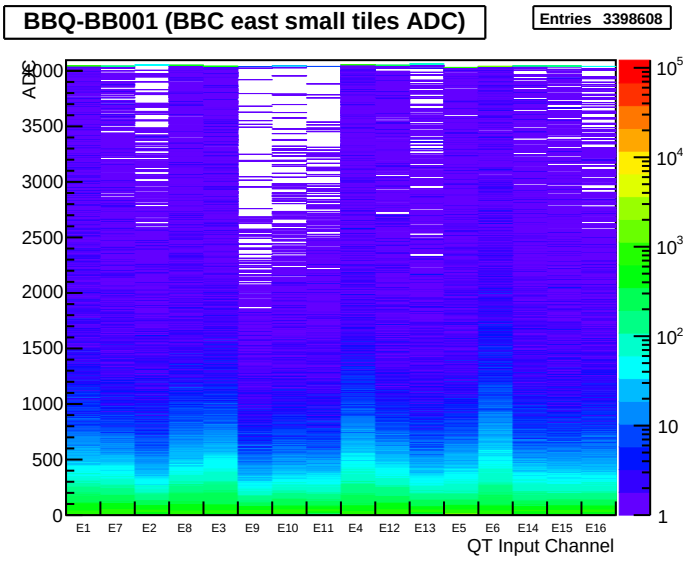

MIX-TF101
Entries 144176
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

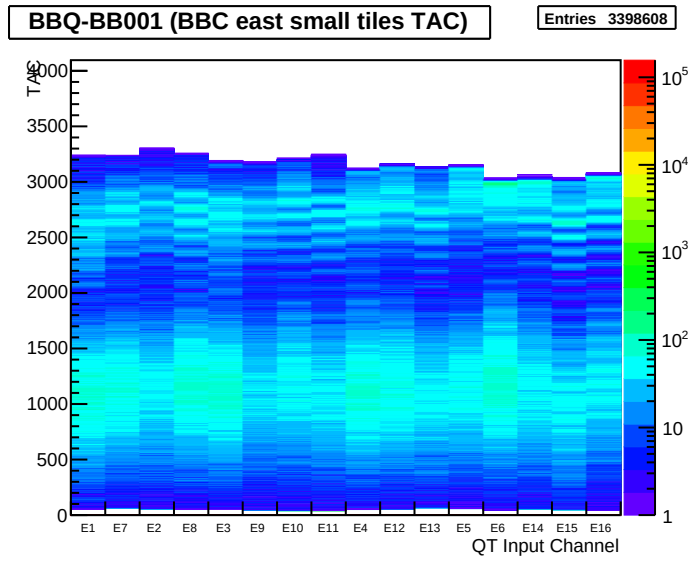

L2-TF201
Entries 212413
TOF total mult

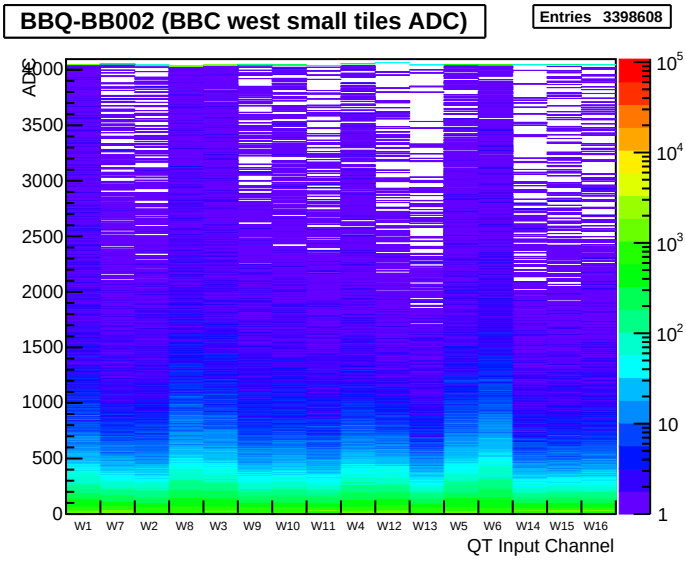

L2-TF201
Entries 0
TOF total mult(Real-Simu)

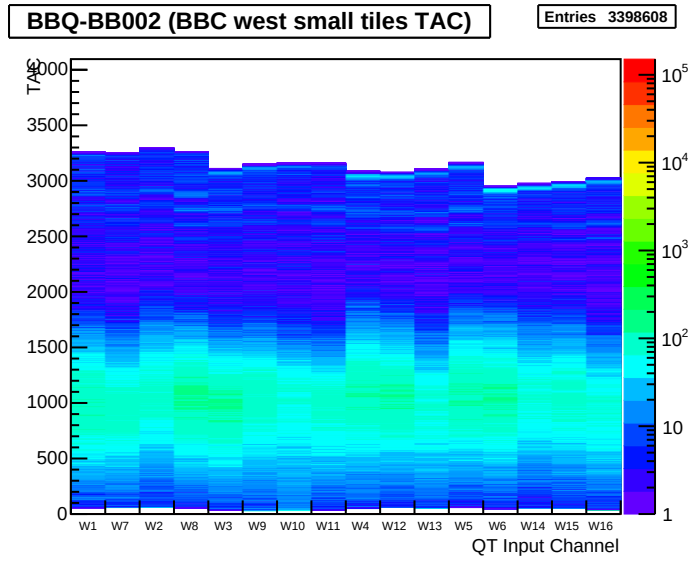

L2-TF201
Entries 1486891
Threshold/UPC bits
183333 185329 183848 184757 184159 182084 198970
29080 27084 28565 27656 28254 30329 13443
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

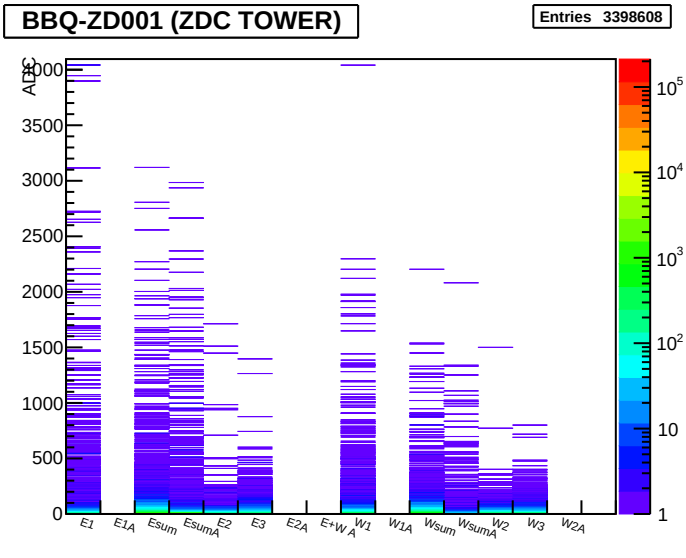

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

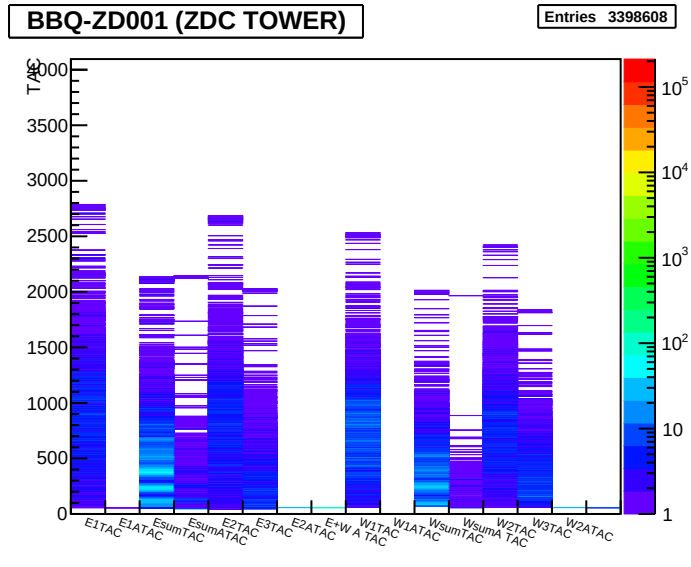

BBQ-BB001 (BBC east small tiles ADC)
Entries 3398608
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

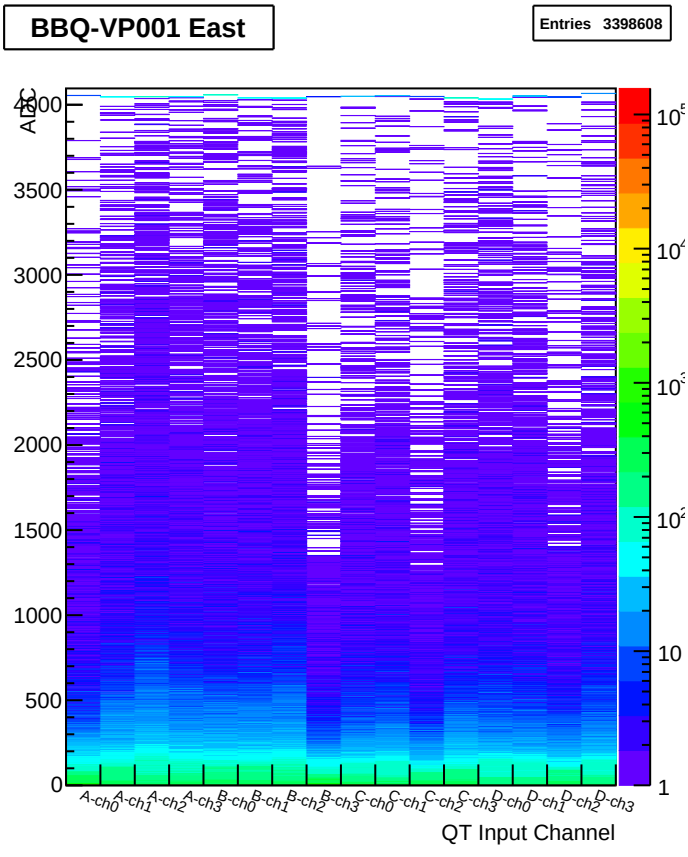

BBQ-BB001 (BBC east small tiles TAC)
Entries 3398608
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

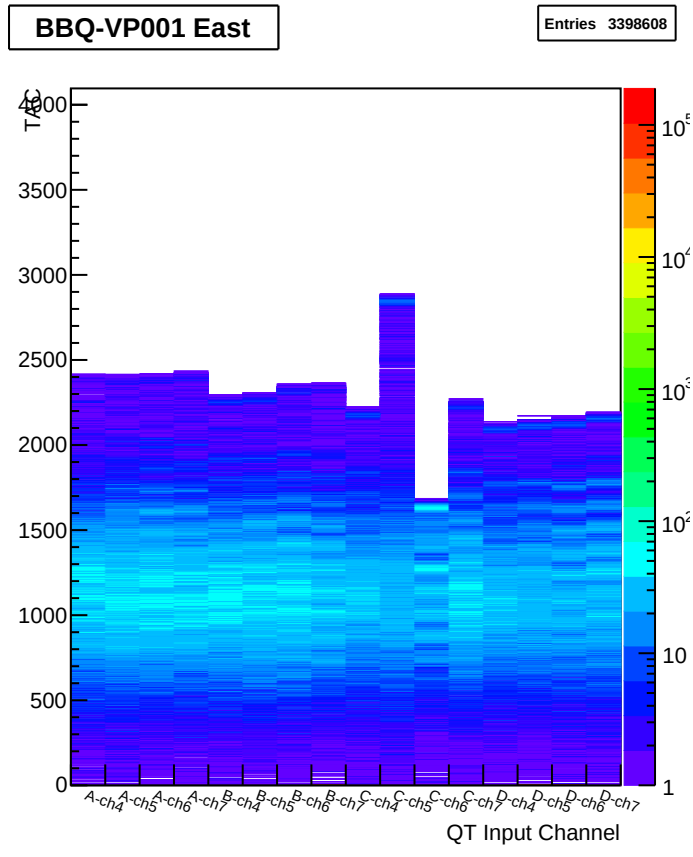

BBQ-BB002 (BBC west small tiles ADC)
Entries 3398608
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

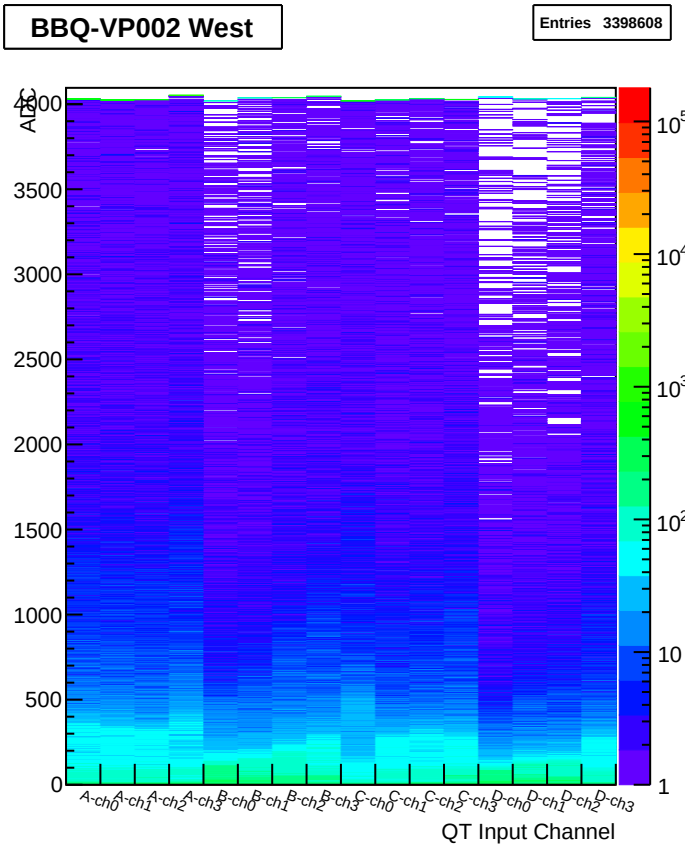

BBQ-BB002 (BBC west small tiles TAC)
Entries 3398608
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

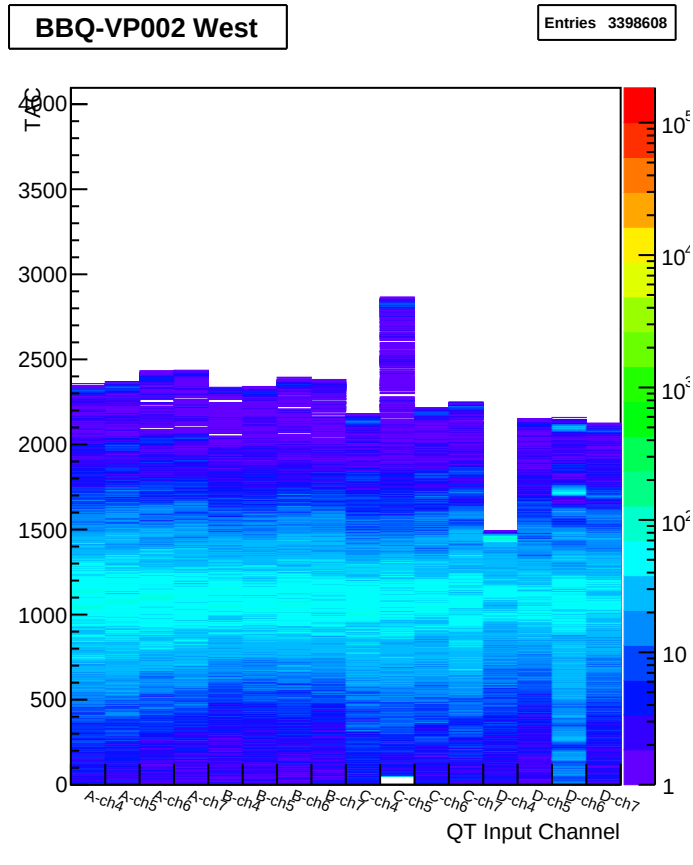

BBQ-ZD001 (ZDC TOWER)
Entries 3398608
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

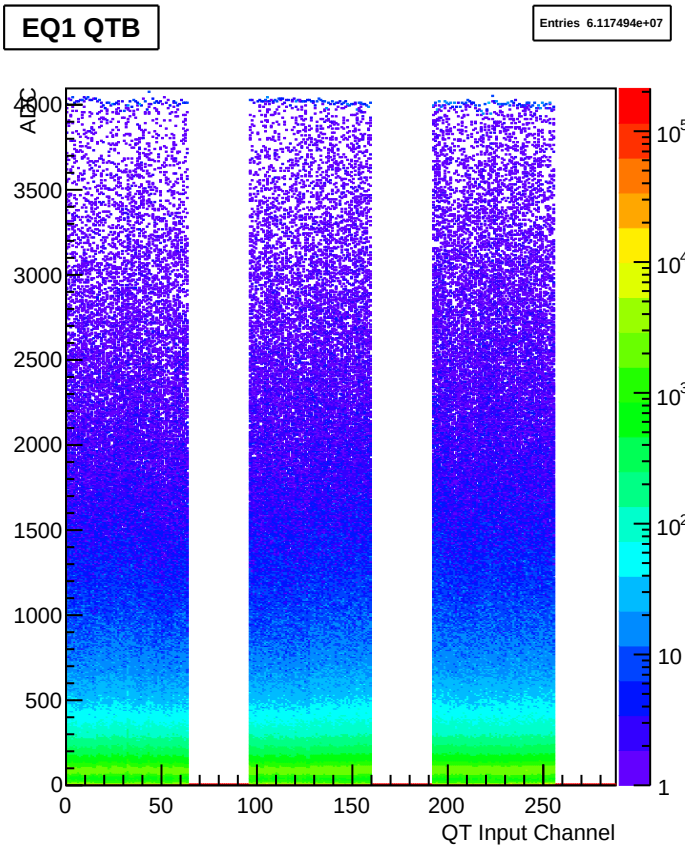

BBQ-ZD001 (ZDC TOWER)
Entries 3398608
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

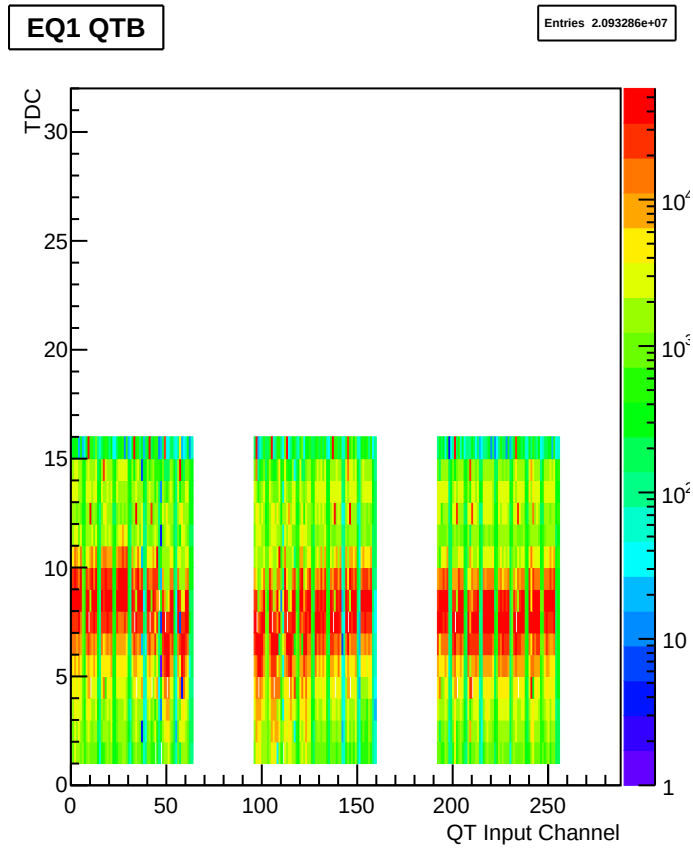

BBQ-VP001 East
Entries 3398608
ADC
QT Input Channel

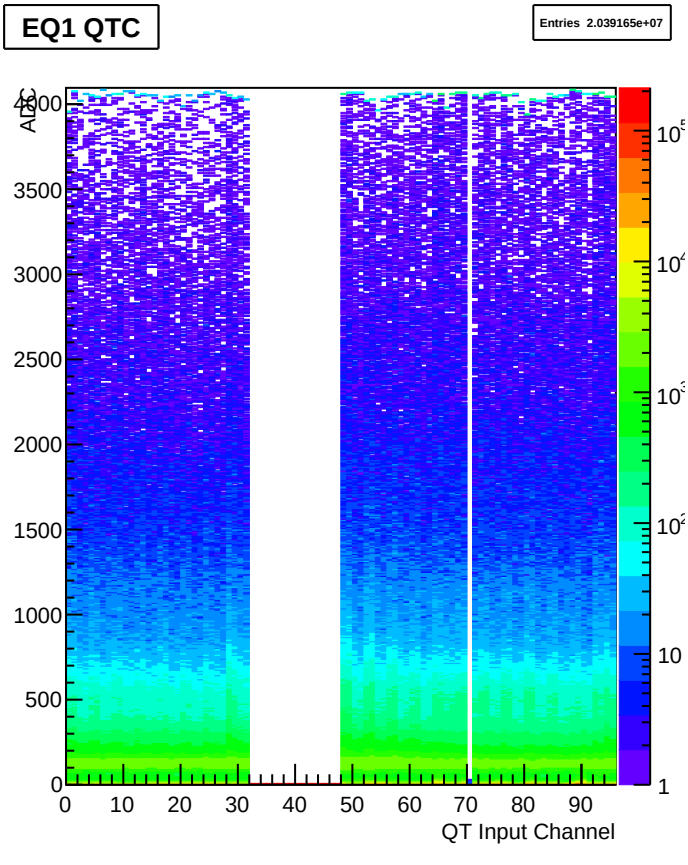

BBQ-VP001 East
Entries 3398608
TADC
QT Input Channel

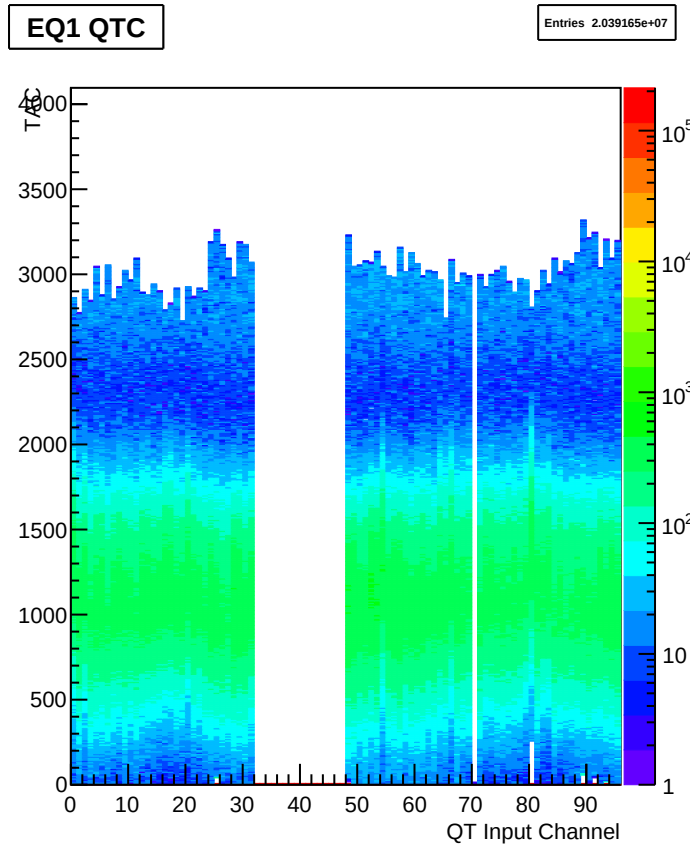

BBQ-VP002 West
Entries 3398608
ADC
QT Input Channel

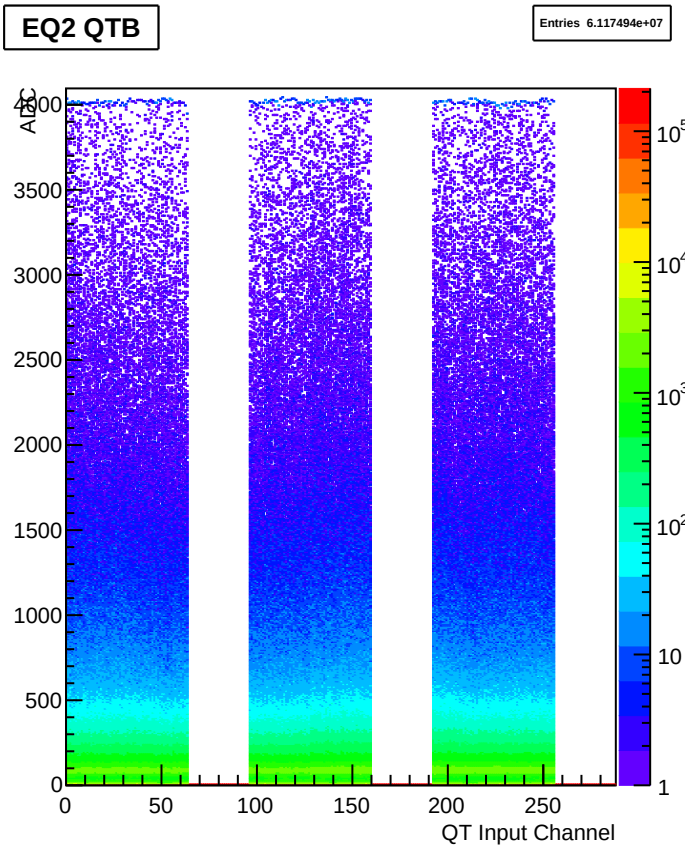

BBQ-VP002 West
Entries 3398608
TADC
QT Input Channel

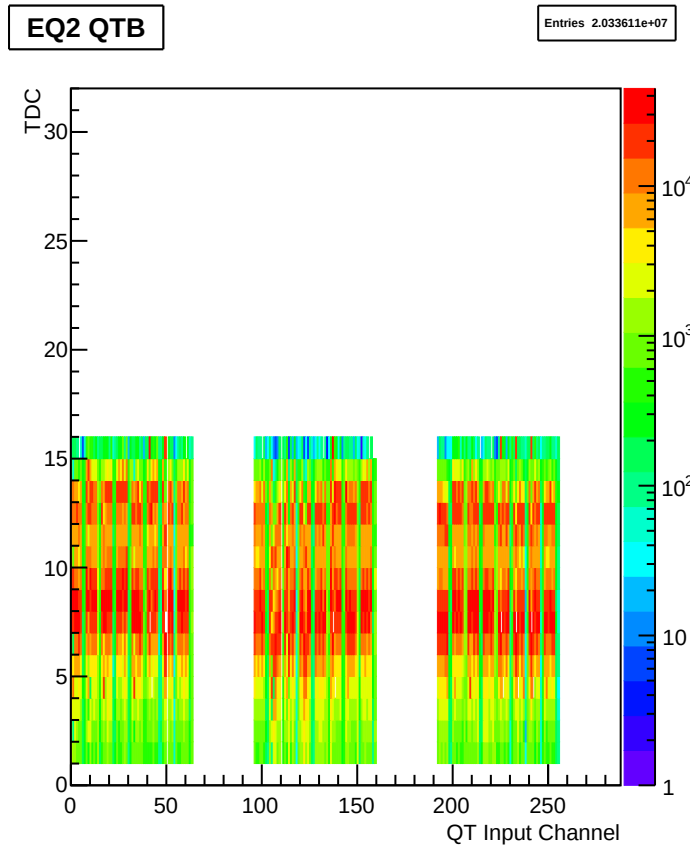

EQ1 QTB
Entries 6.117494e+07
ADC
QT Input Channel

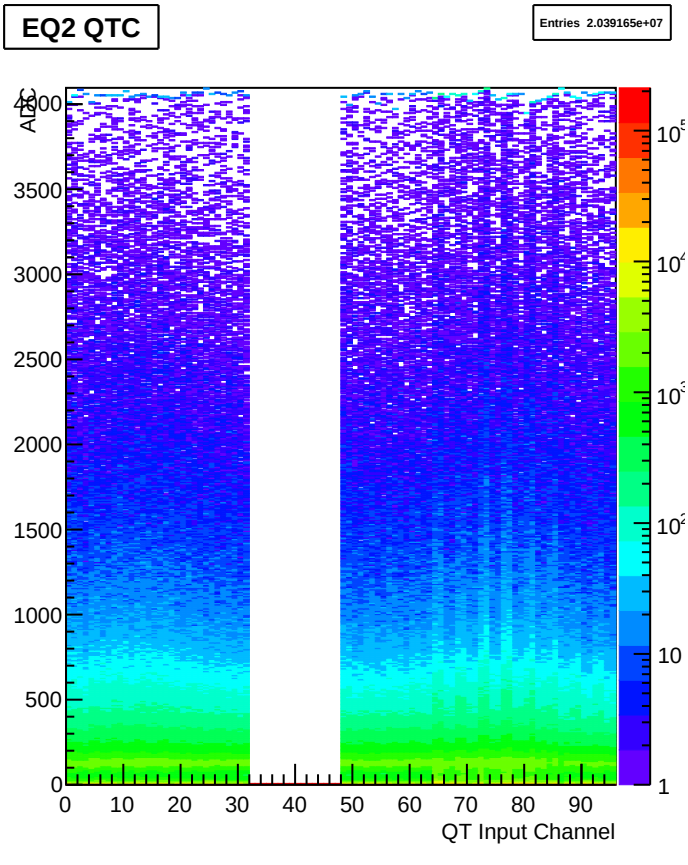

EQ1 QTB
Entries 2.093286e+07
TDC
QT Input Channel

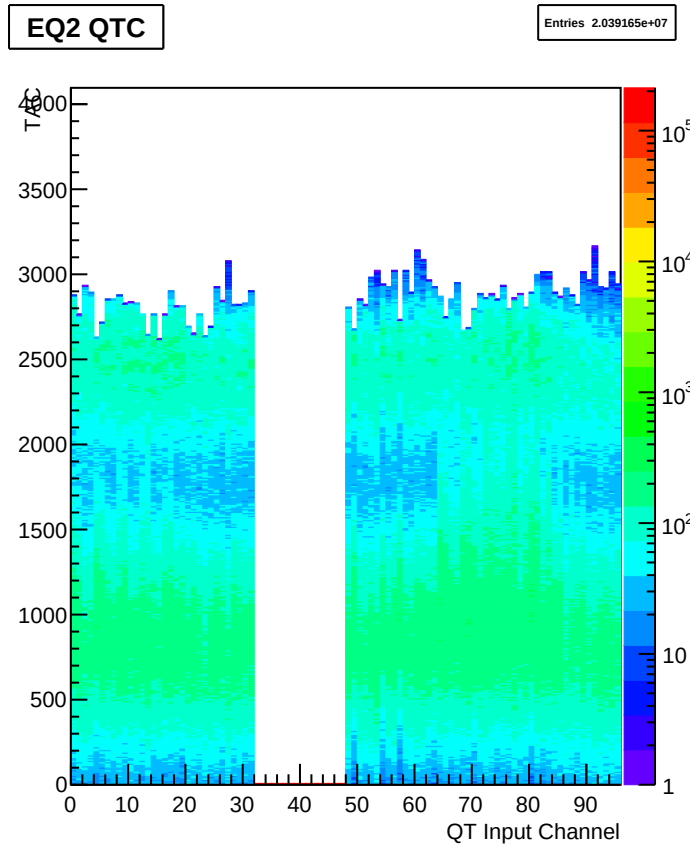

EQ1 QTC
Entries 2.039165e+07
ADC
QT Input Channel

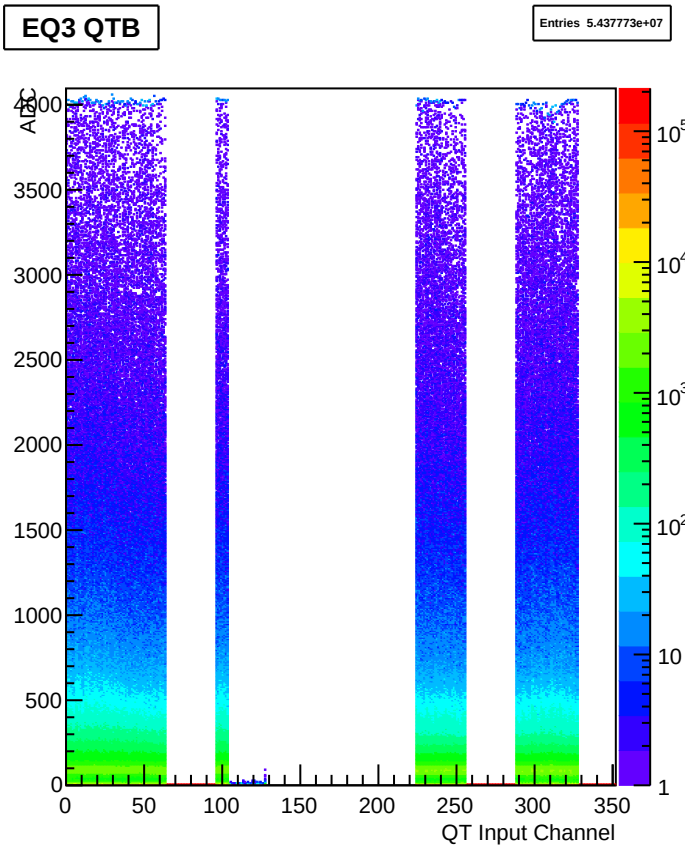

EQ1 QTC
Entries 2.039165e+07
TADC
QT Input Channel

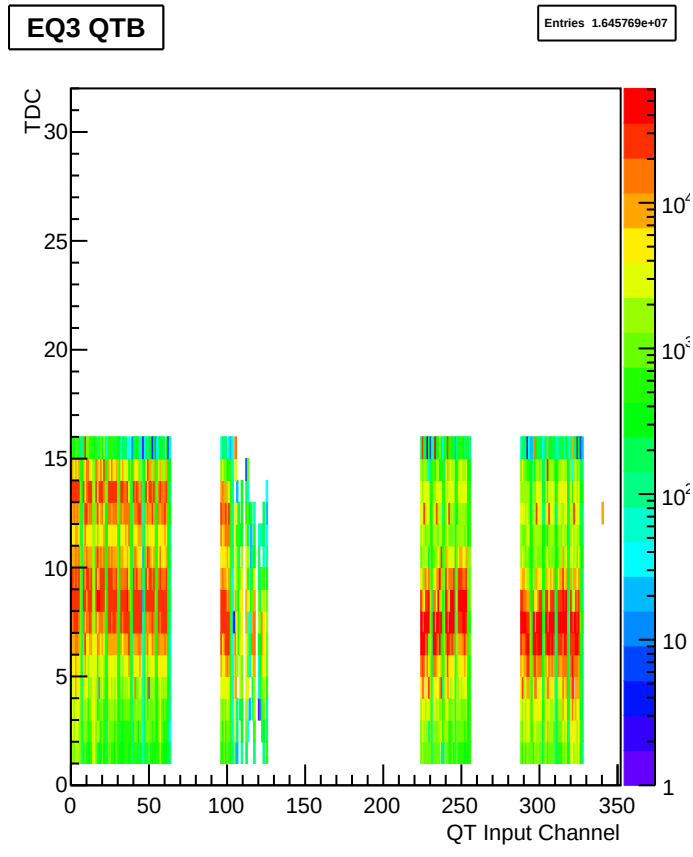

EQ2 QTB
Entries 6.117494e+07
ADC
QT Input Channel

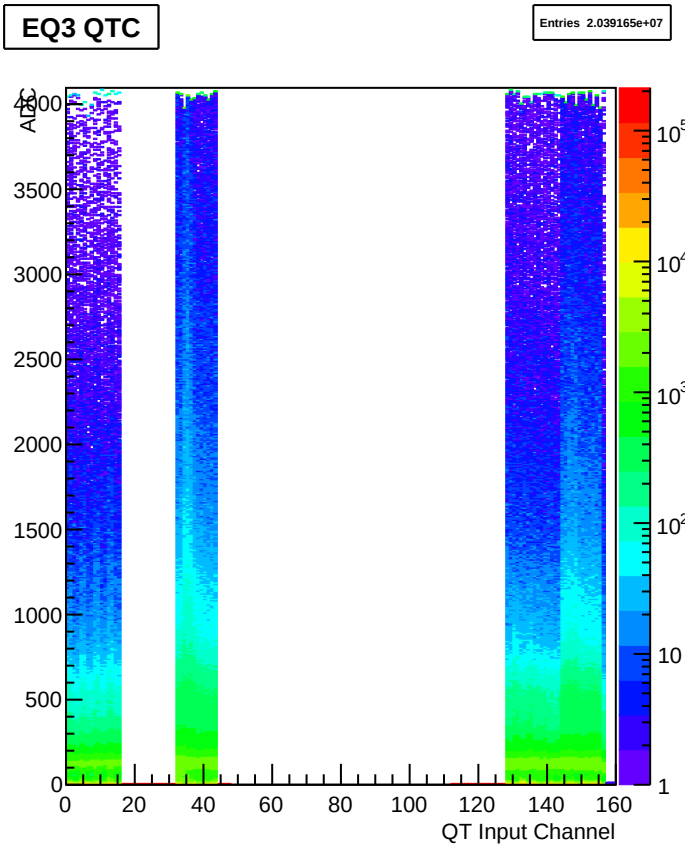

EQ2 QTB
Entries 2.033611e+07
TDC
QT Input Channel

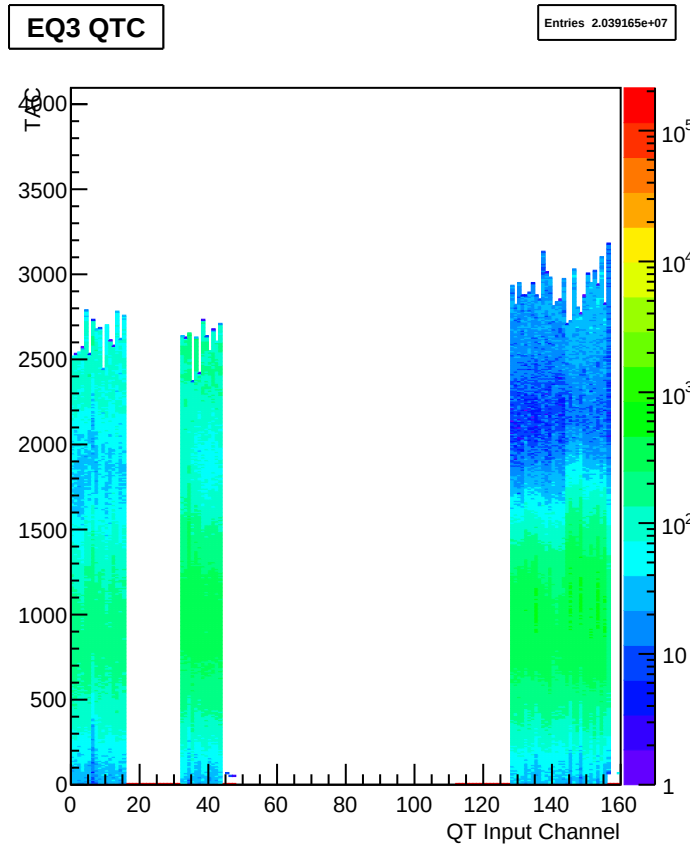

EQ2 QTC
Entries 2.039165e+07
ADC
QT Input Channel

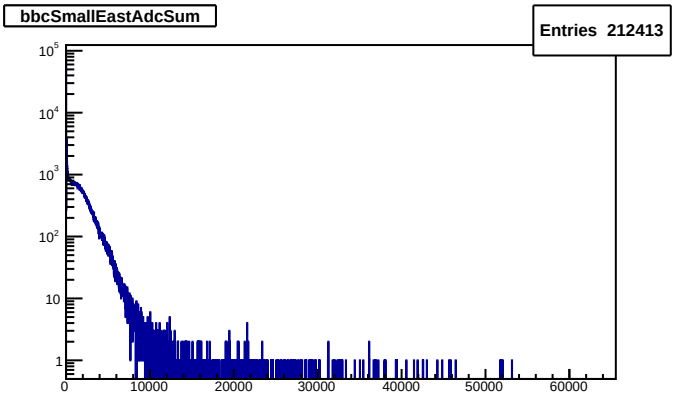

EQ2 QTC
Entries 2.039165e+07
TADC
QT Input Channel

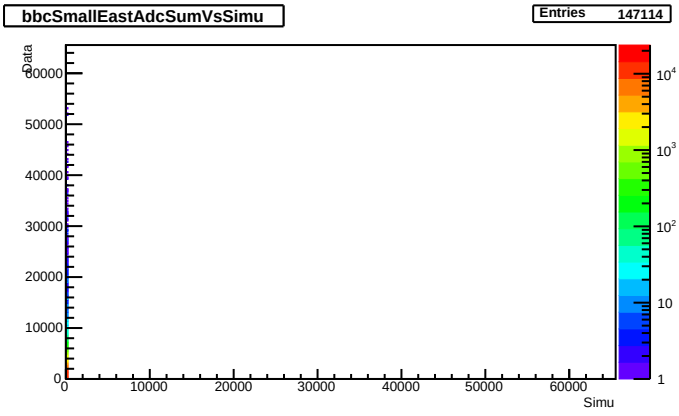

EQ3 QTB
Entries 5.437773e+07
ADC
QT Input Channel

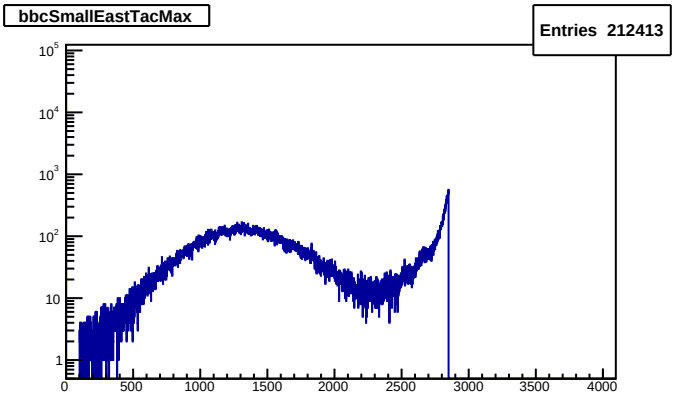

EQ3 QTB
Entries 1.645769e+07
TDC
QT Input Channel

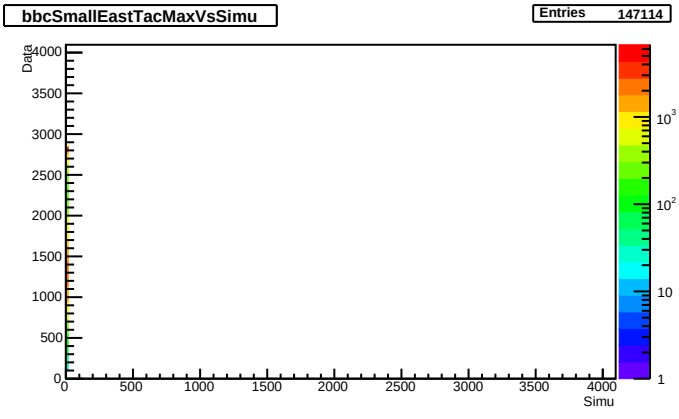

EQ3 QTC
Entries 2.039165e+07
ADC
QT Input Channel

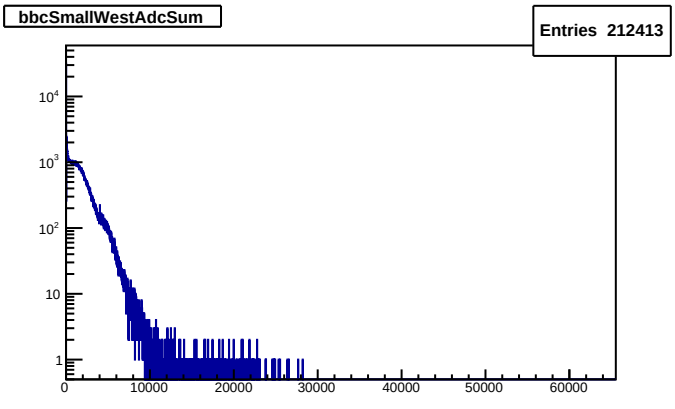

EQ3 QTC
Entries 2.039165e+07
TADC
QT Input Channel

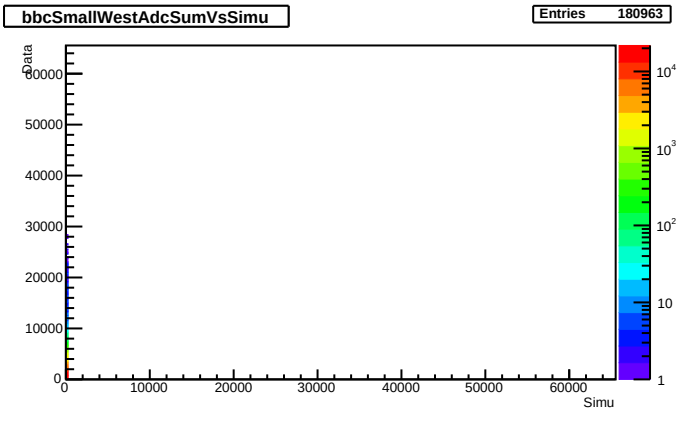

bbcSmallEastAdcSum
Entries 212413

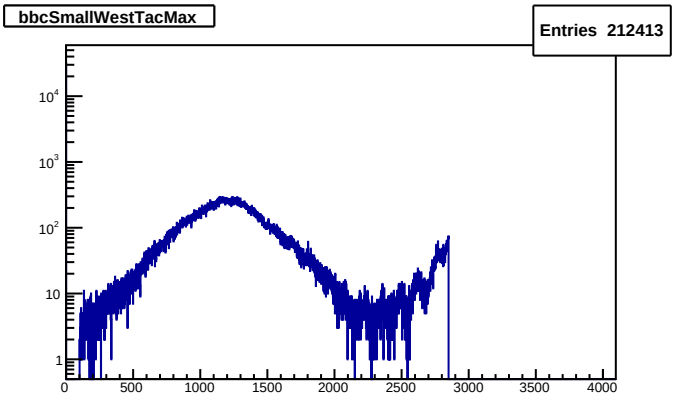

bbcSmallEastAdcSumVsSimu
Entries 147114
Data
Simu

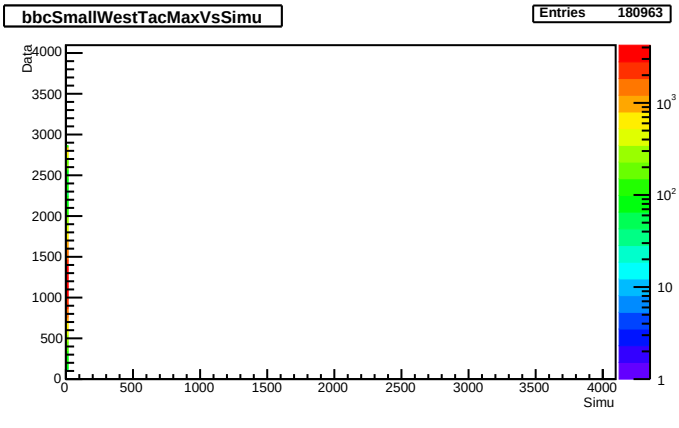

bbcSmallEastTacMax
Entries 212413

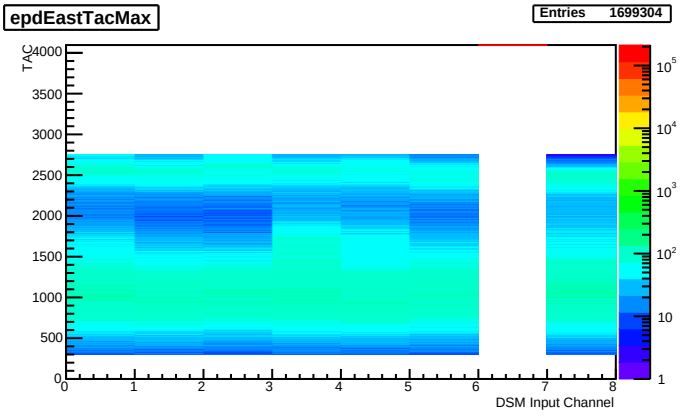

bbcSmallEastTacMaxVsSimu
Entries 147114
Data
Simu

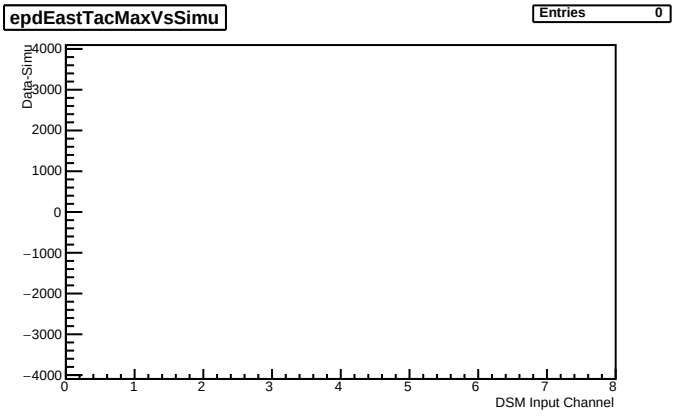

bbcSmallWestAdcSum
Entries 212413

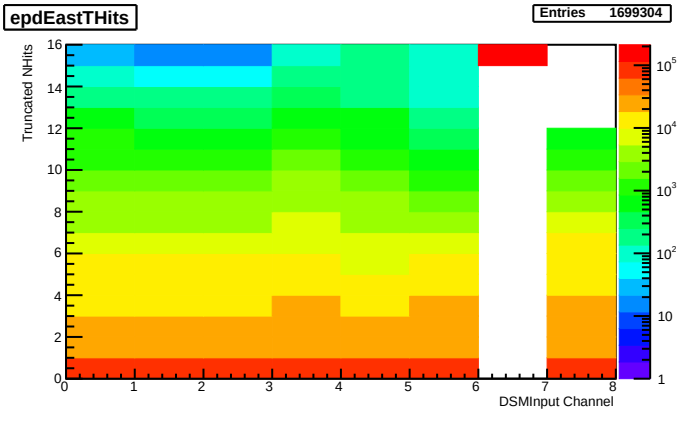

bbcSmallWestAdcSumVsSimu
Entries 180963
Data
Simu

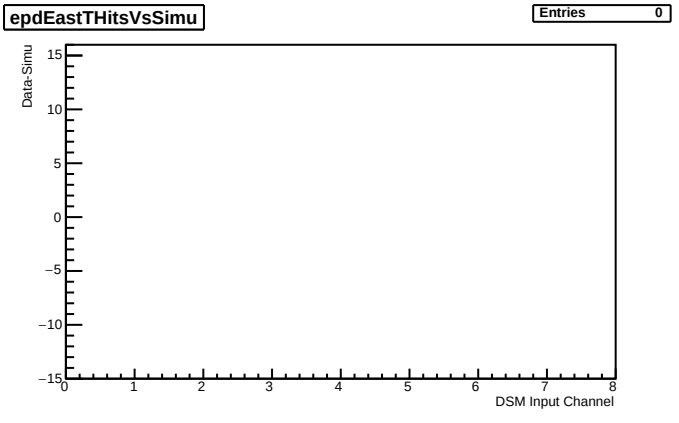

bbcSmallWestTacMax
Entries 212413


bbcSmallWestTacMaxVsSimu
Entries 180963
Data
Simu


epdEastTacMax
Entries 1699304
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1699304
Truncated NHits
DSMInput Channel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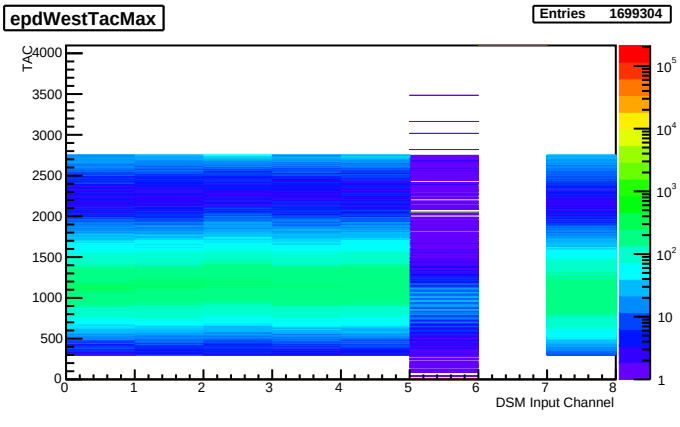
Data-Simu
DSM Input Channel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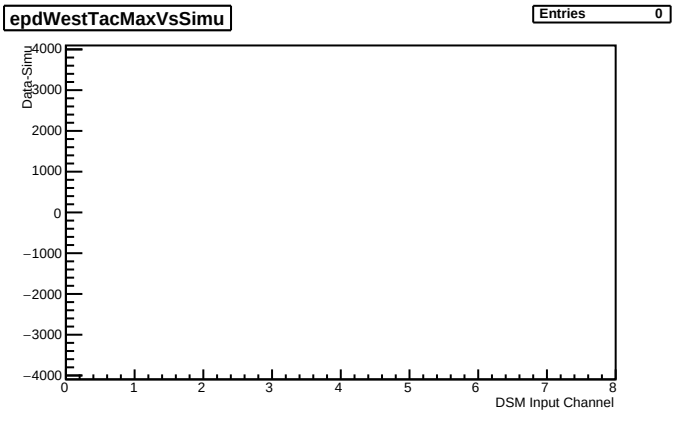
Entries 1699304
TAC
DSM Input Channel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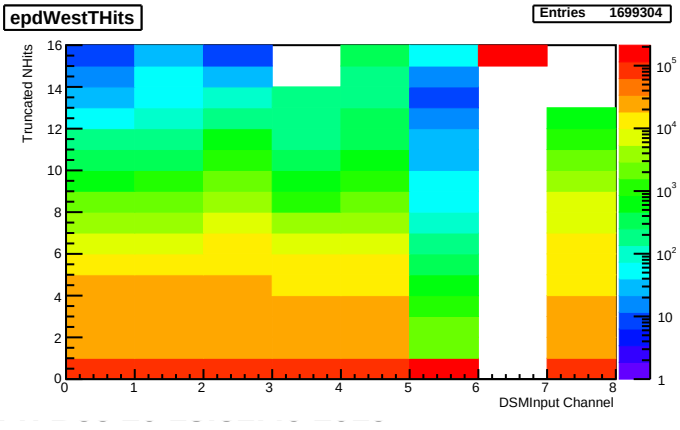
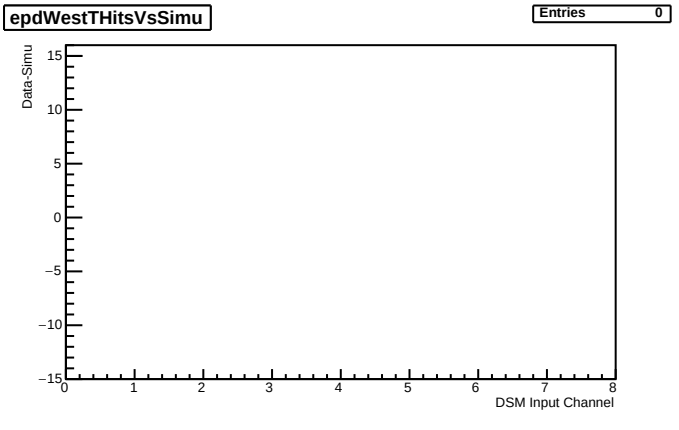
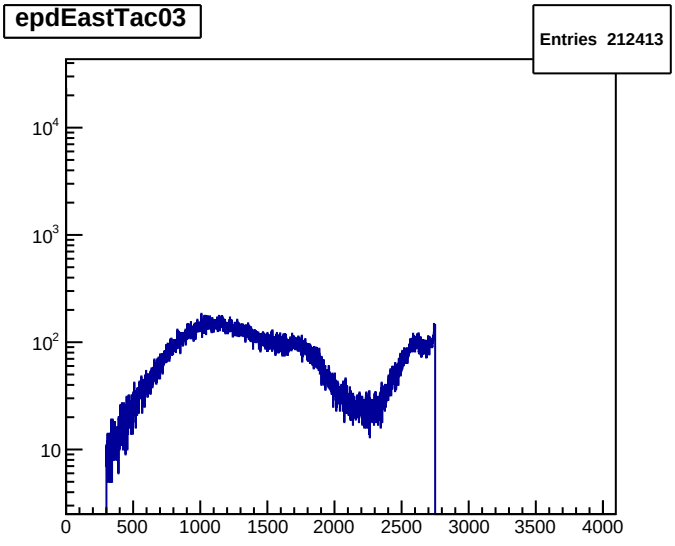
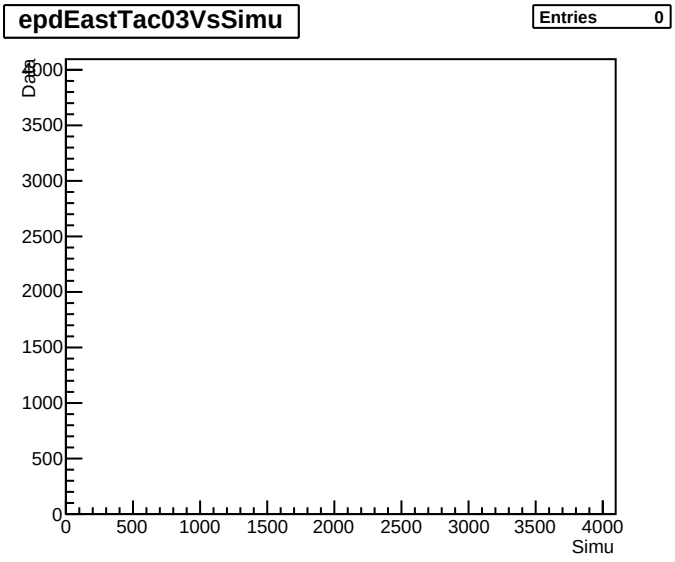
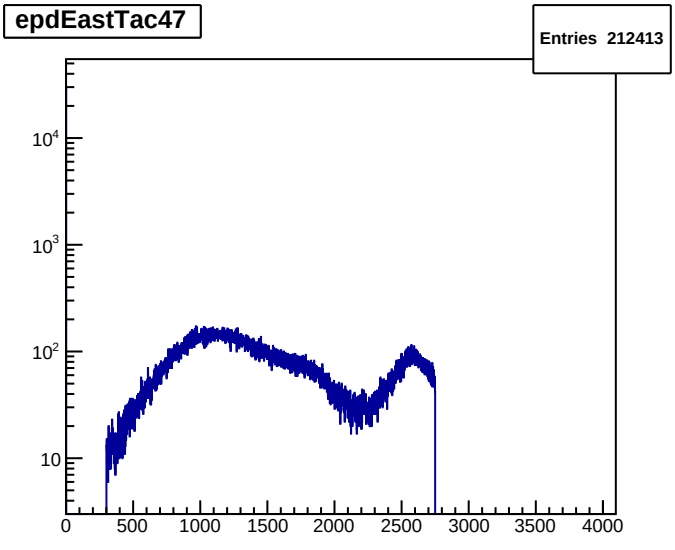
Entries 0
Data-Simu
DSM Input Channel

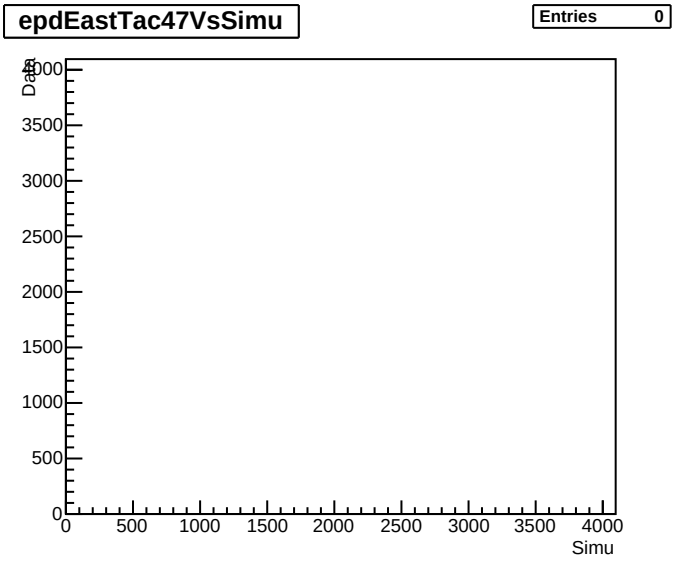

epdWestTHits
Entries 1699304
Truncated NHits
DSMInput Channel

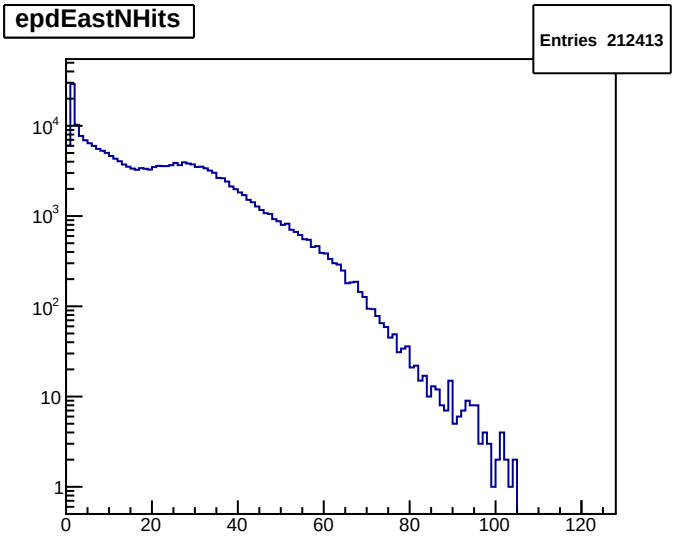

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

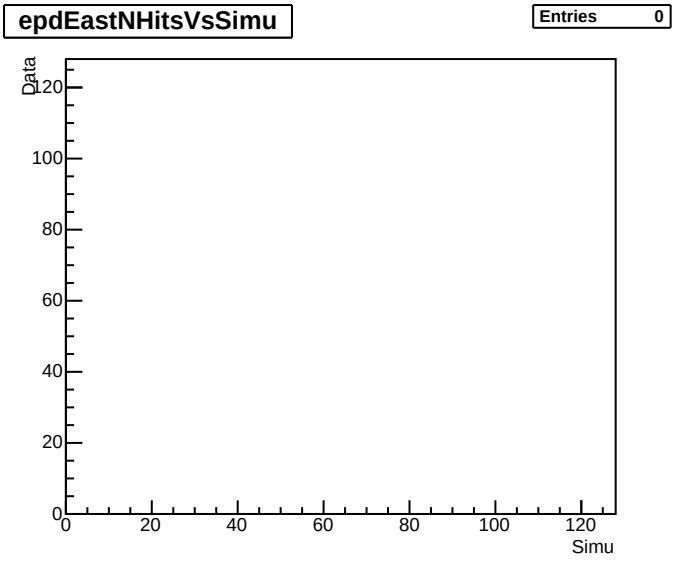

epdEastTac03
Entries 212413


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 212413


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 212413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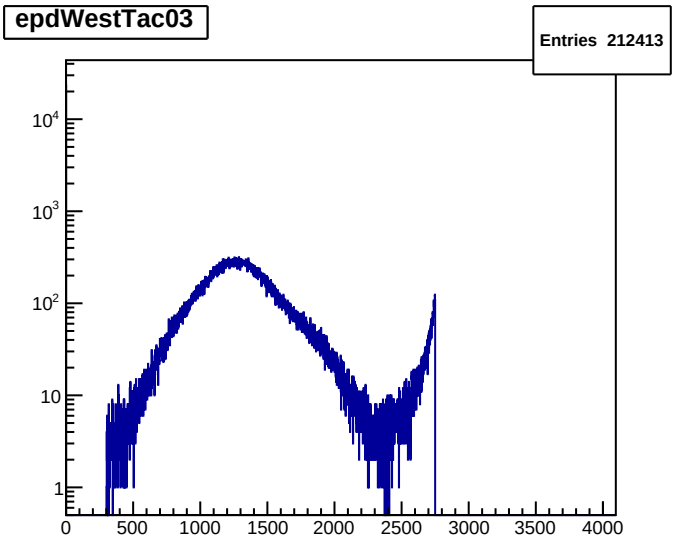
Entries 0
Data
Simu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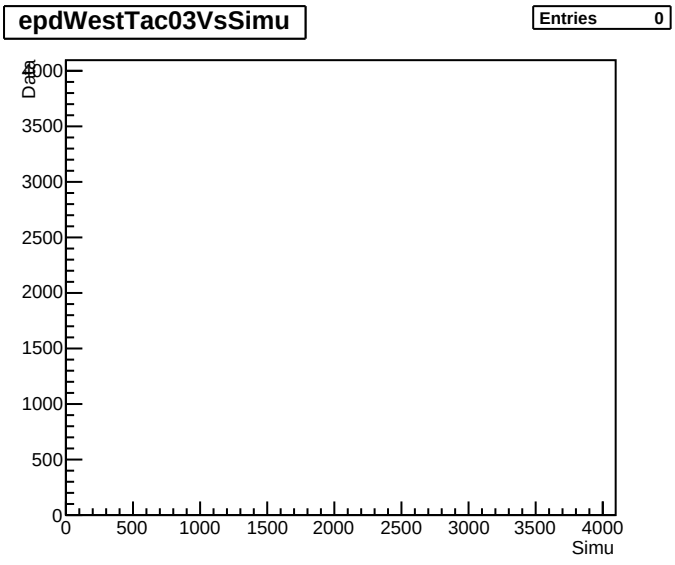
Entries 212413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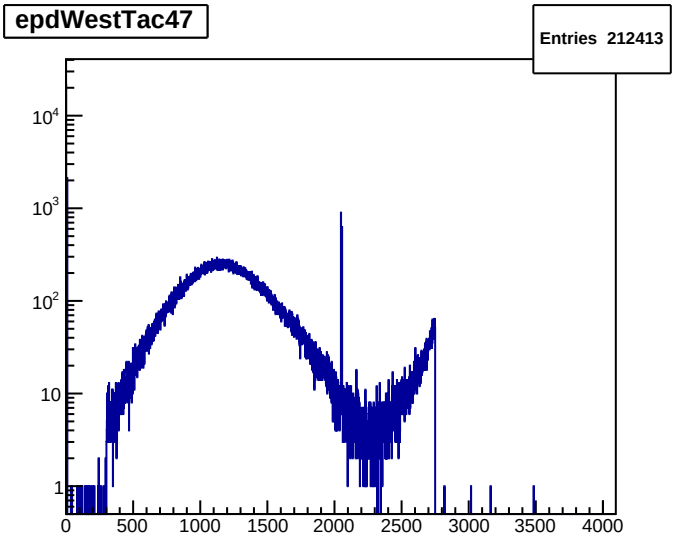
Entries 0
Data
Simu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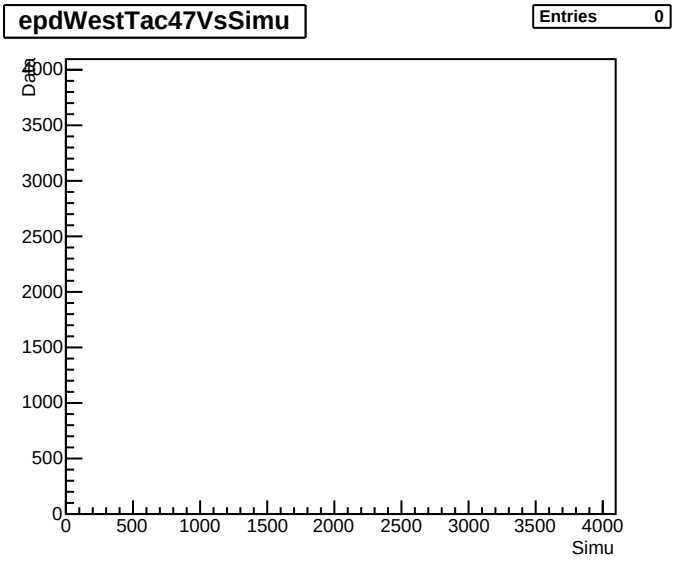
Entries 212413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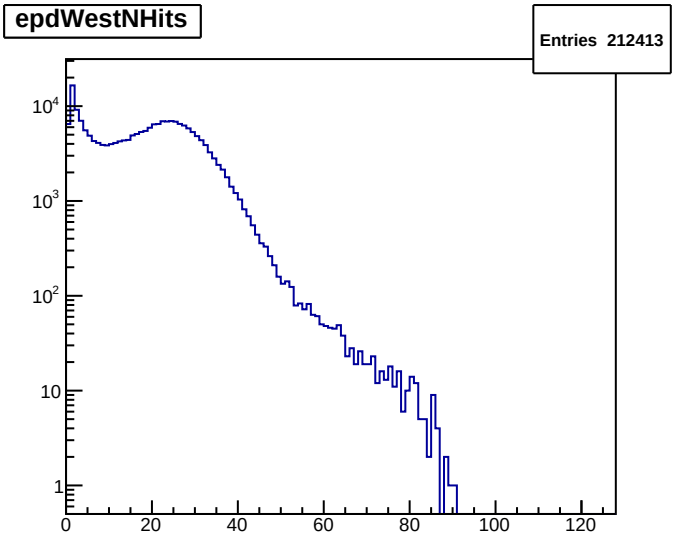
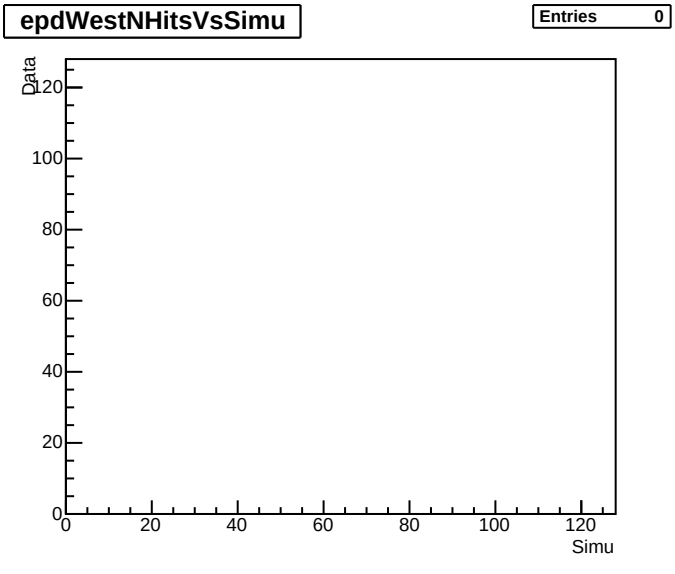
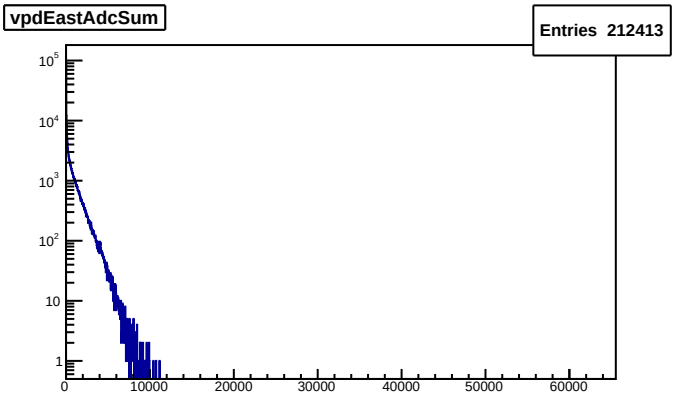
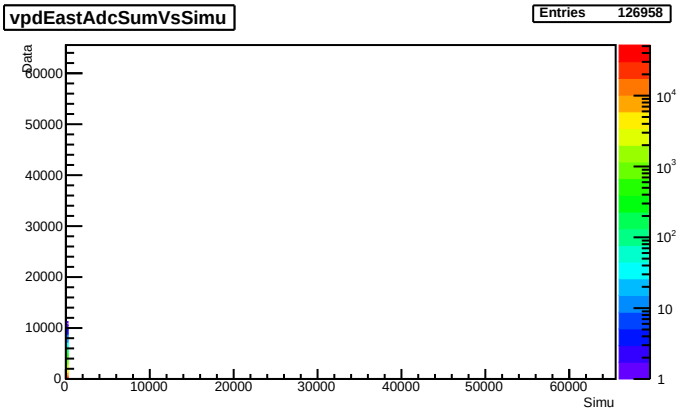
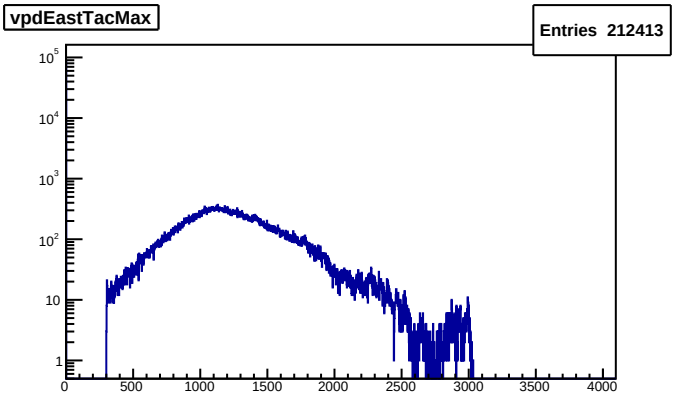
Entries 0
Data
Simu

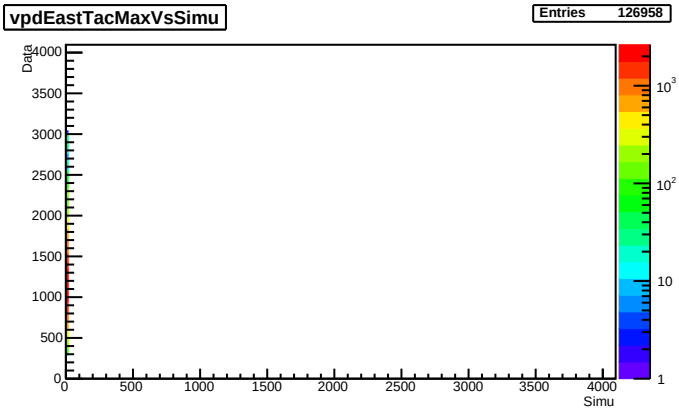

epdWestNHits
Entries 212413

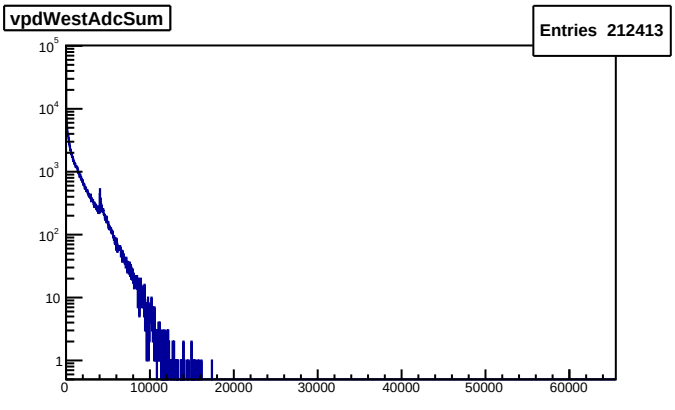

epdWestNHitsVsSimu
Entries 0
Data
Simu

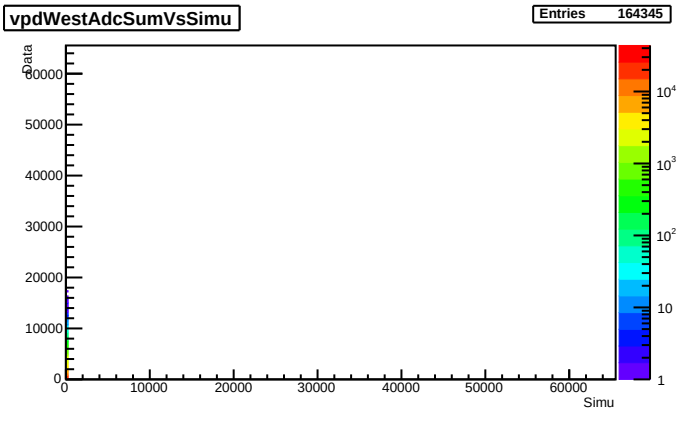

vpdEastAdcSum
Entries 212413

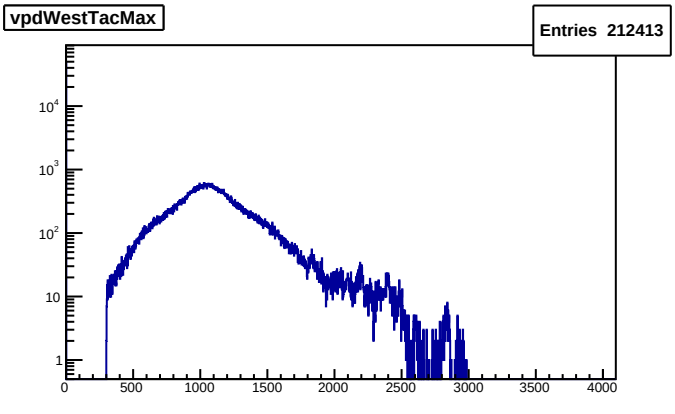

vpdEastAdcSumVsSimu
Entries 126958
Data
Simu

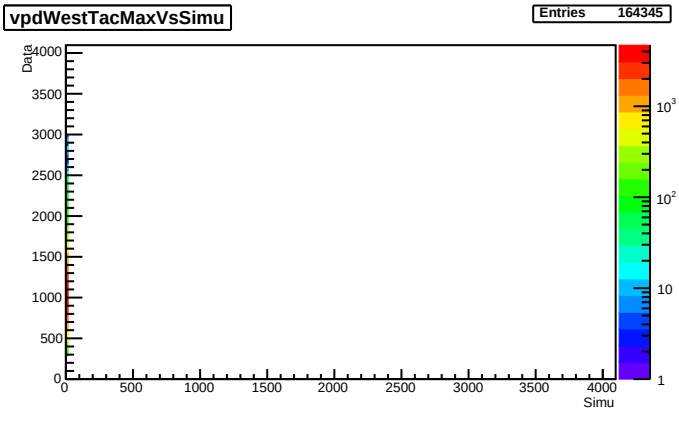

vpdEastTacMax
Entries 212413

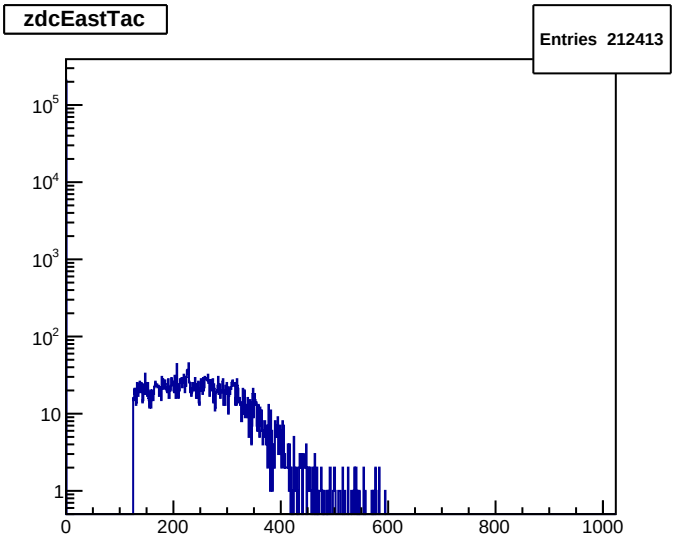

vpdEastTacMaxVsSimu
Entries 126958
Data
Simu

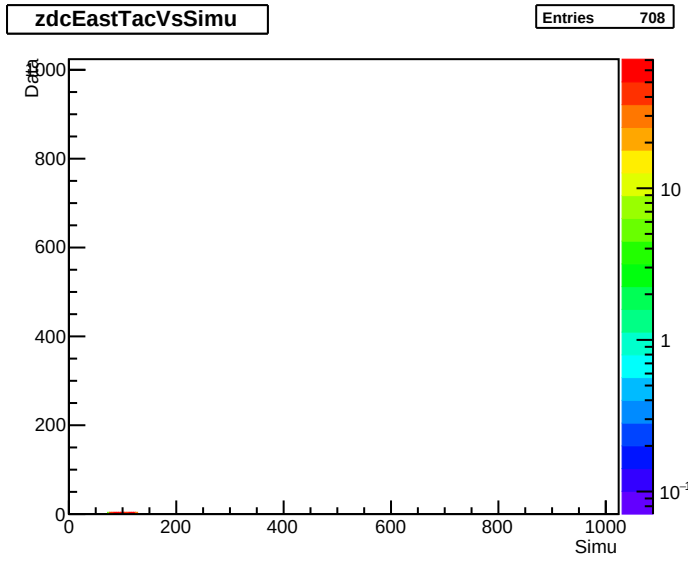

vpdWestAdcSum
Entries 212413

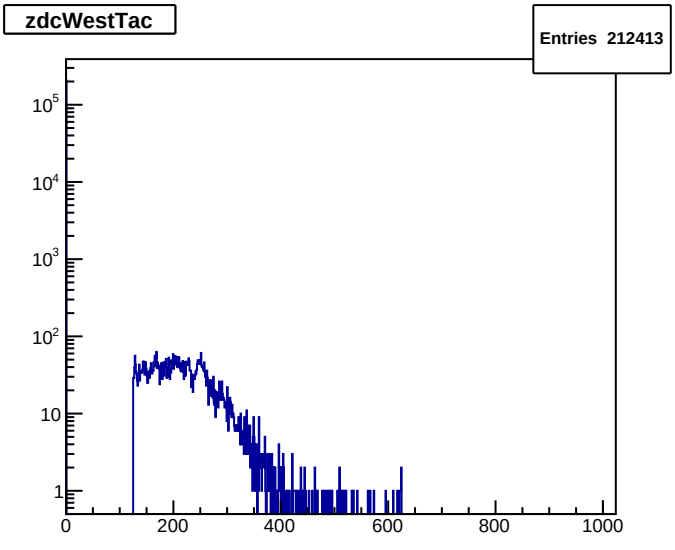

vpdWestAdcSumVsSimu
Entries 164345
Data
Simu

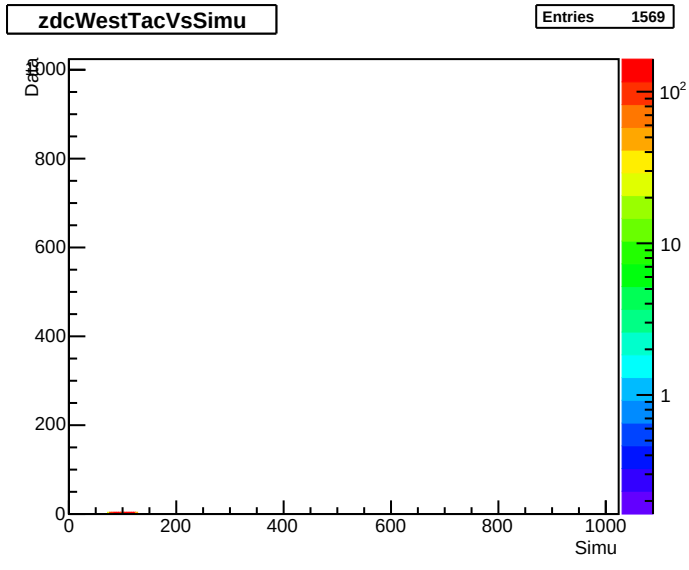

vpdWestTacMax
Entries 212413

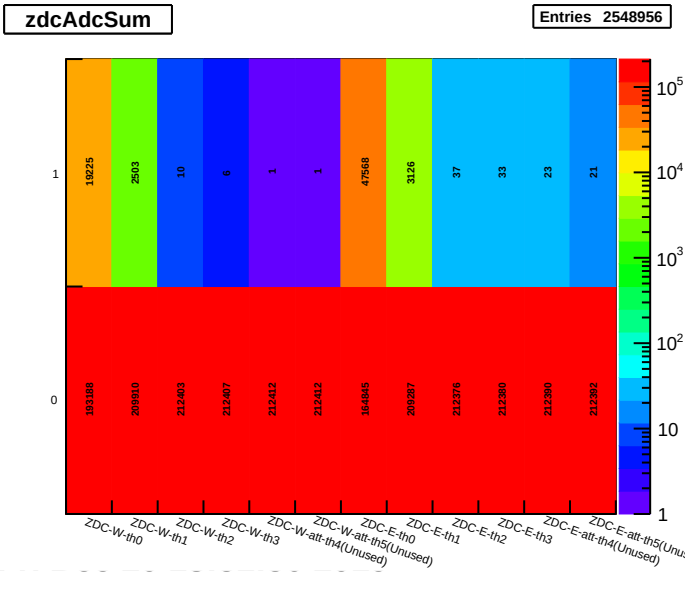

vpdWestTacMaxVsSimu
Entries 164345
Data
Simu

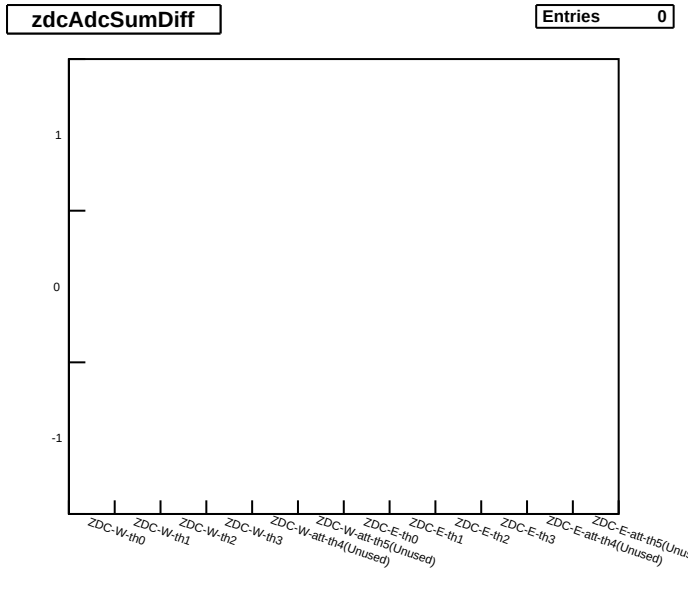

zdcEastTac
Entries 212413

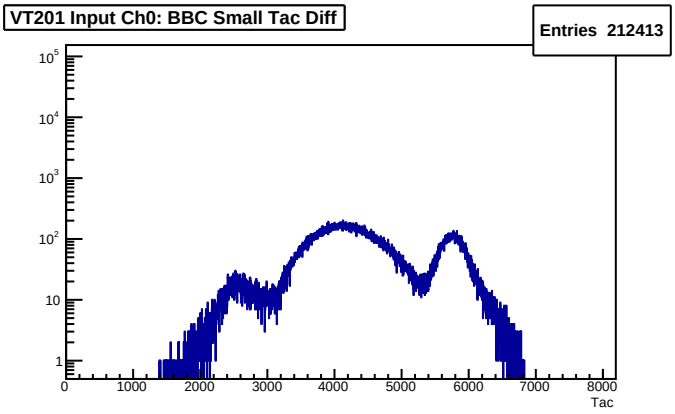

zdcEastTacVsSimu
Entries 708
Data
Simu

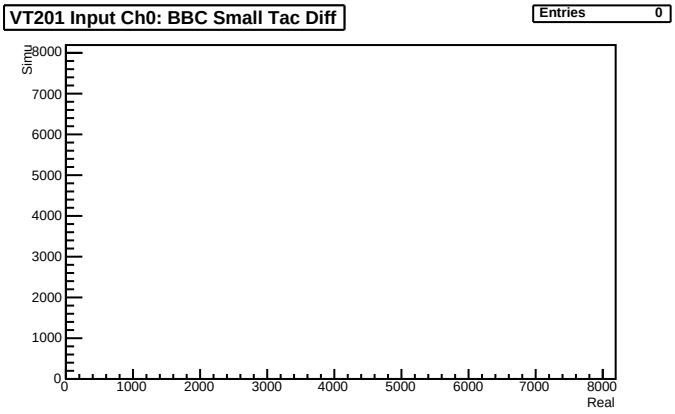

zdcWestTac
Entries 212413

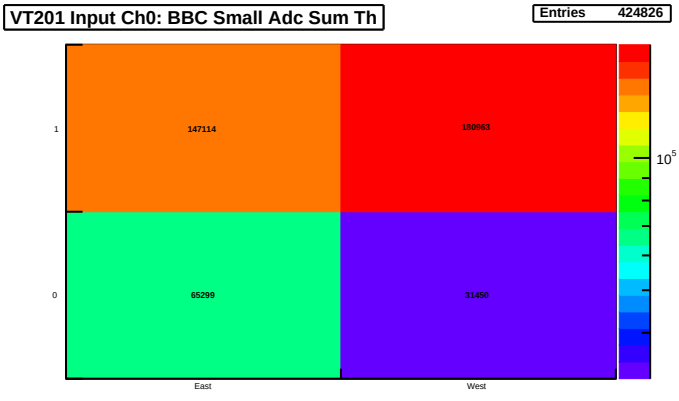

zdcWestTacVsSimu
Entries 1569
Data
Simu

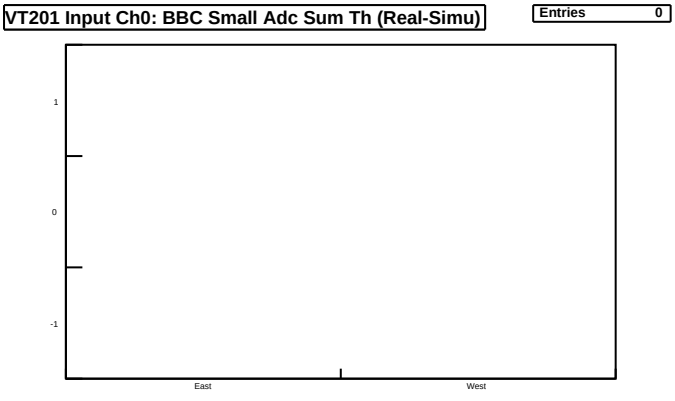

zdcAdcSum
Entries 2548956
19225
2503
10
6
1
1
47568
3126
37
33
23
21
193188
209810
212403
212407
212412
212412
164845
209287
212376
212380
212390
212392
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

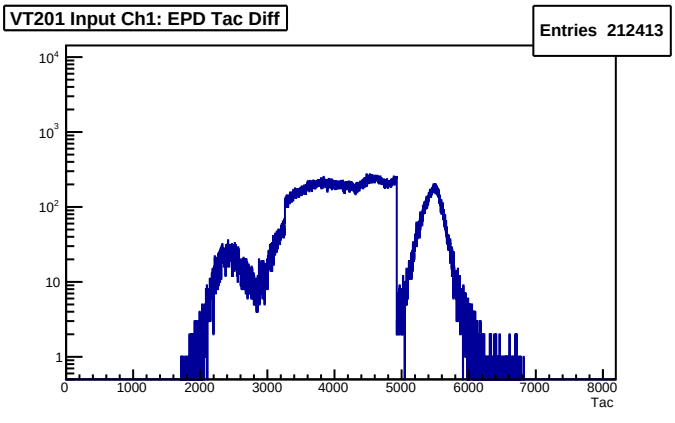

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

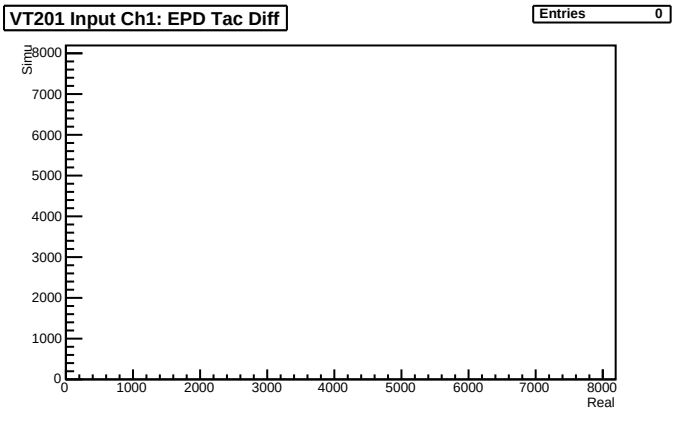

VT201 Input Ch0: BBC Small Tac Diff
Entries 212413
Tac

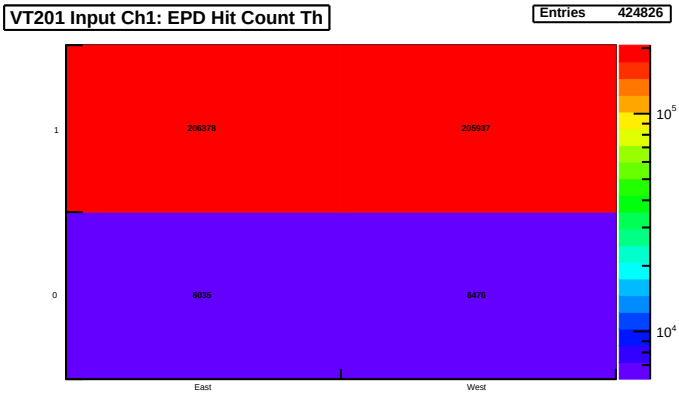

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

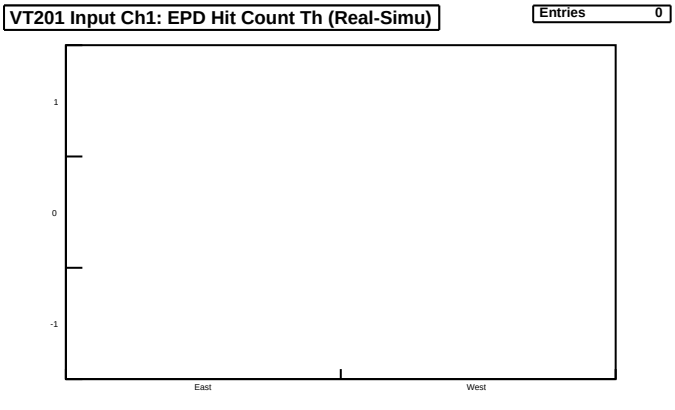

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 424826
147114
180963
65299
31450
East
West

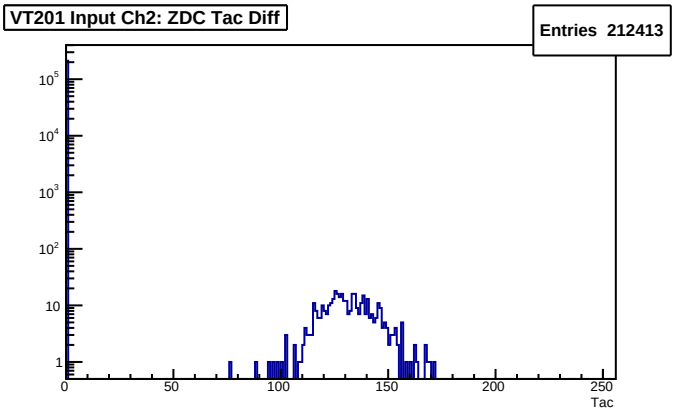

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

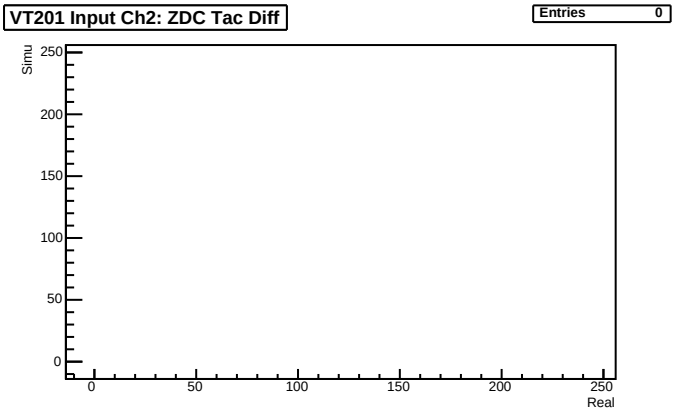

VT201 Input Ch1: EPD Tac Diff
Entries 212413
Tac

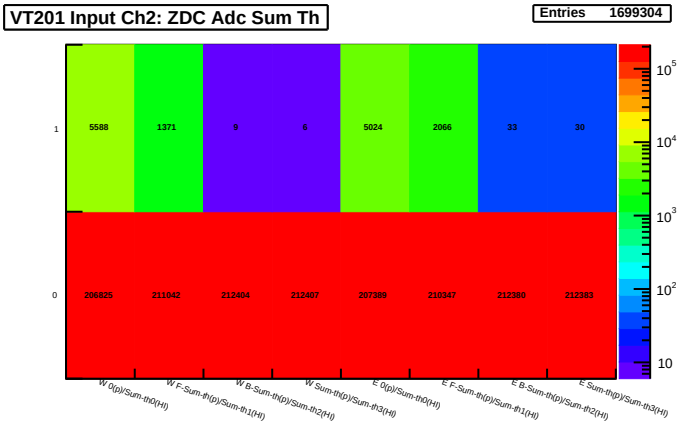

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

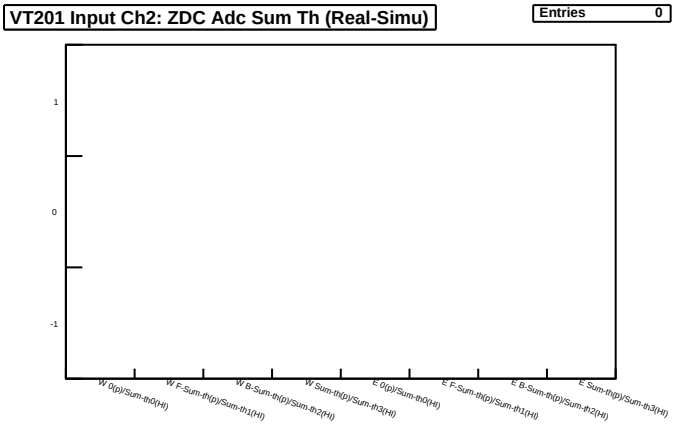

VT201 Input Ch1: EPD Hit Count Th
Entries 424826
206378
205937
6035
6476
East
West

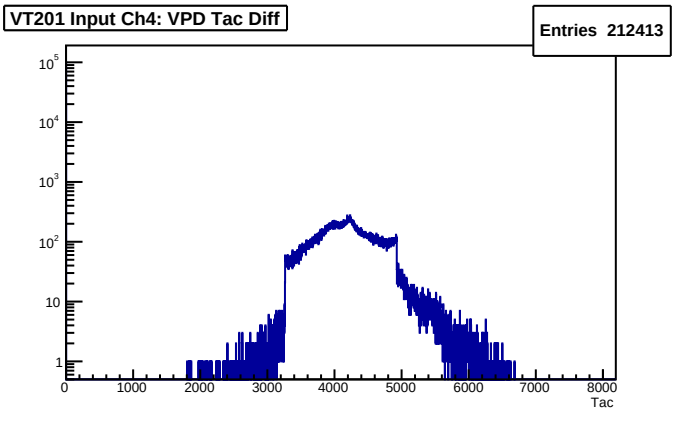

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

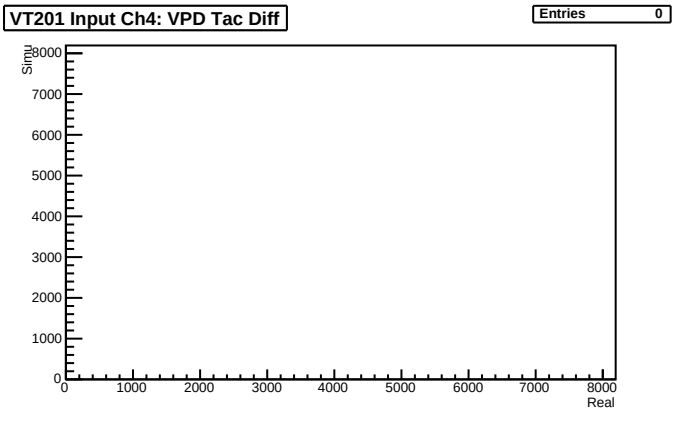

VT201 Input Ch2: ZDC Tac Diff
Entries 212413
Tac

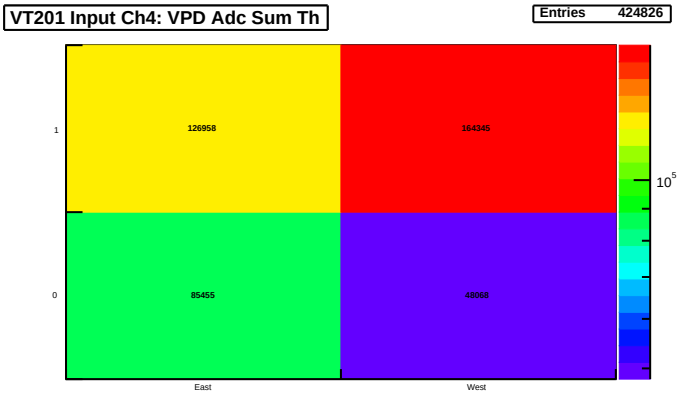

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

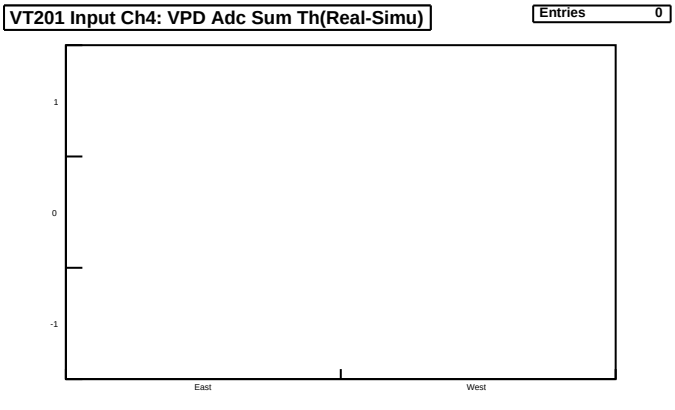

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1699304
5588
1371
9
6
5024
2066
33
30
206825
211042
212404
212407
207389
210347
212380
212383
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

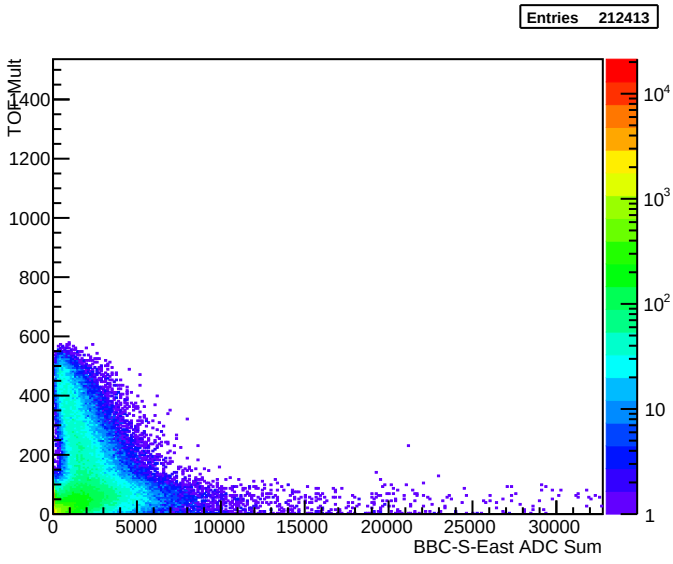

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

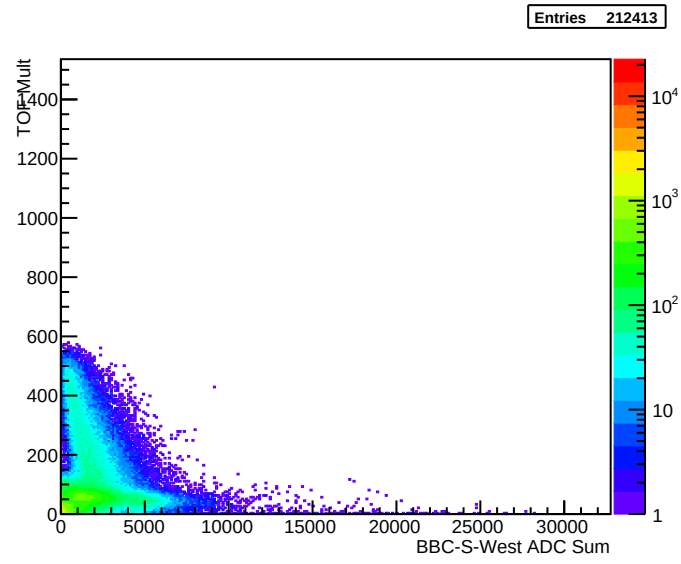

VT201 Input Ch4: VPD Tac Diff
Entries 212413
Tac

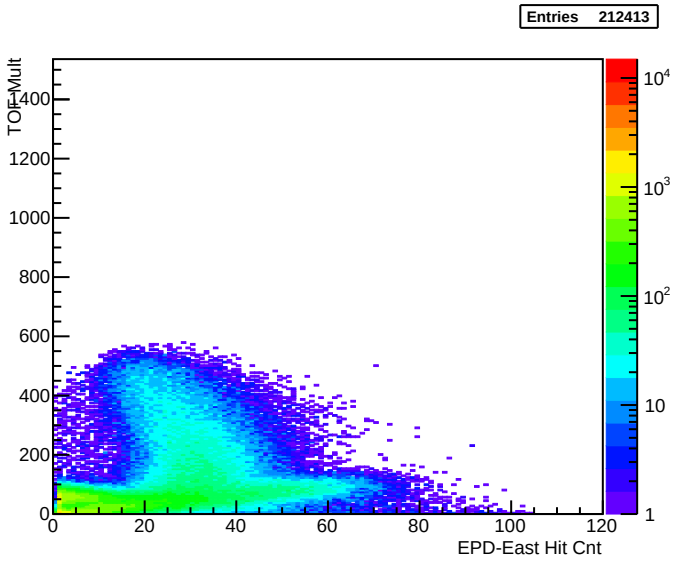

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

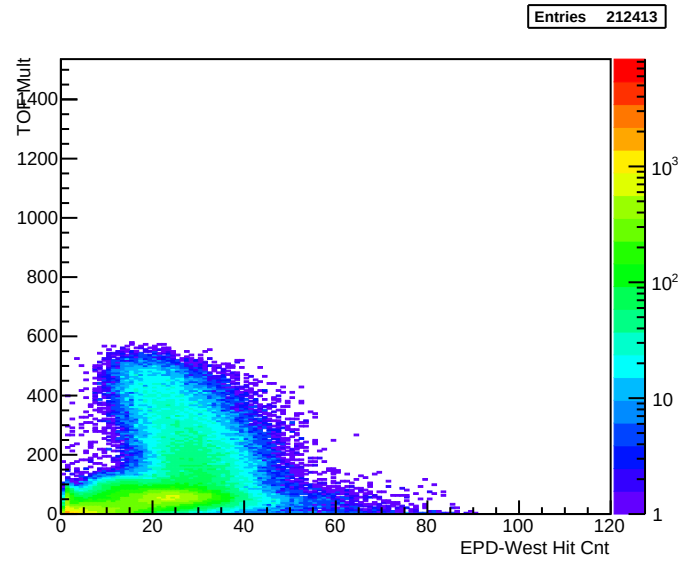

VT201 Input Ch4: VPD Adc Sum Th
Entries 424826
126958
164345
85455
48068
East
West

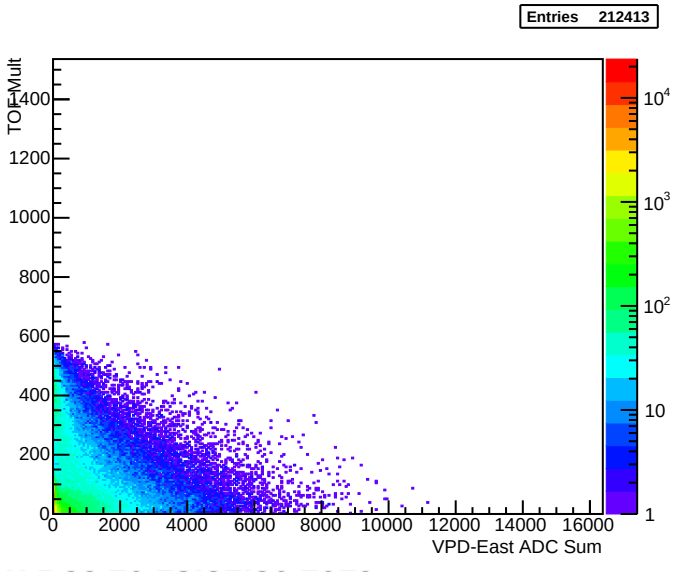

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

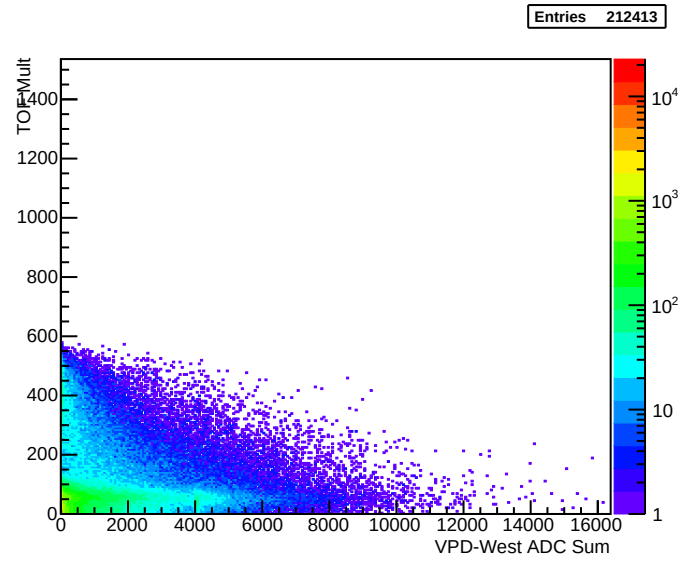

Entries 212413
TOF-Mult
BBC-S-East ADC Sum

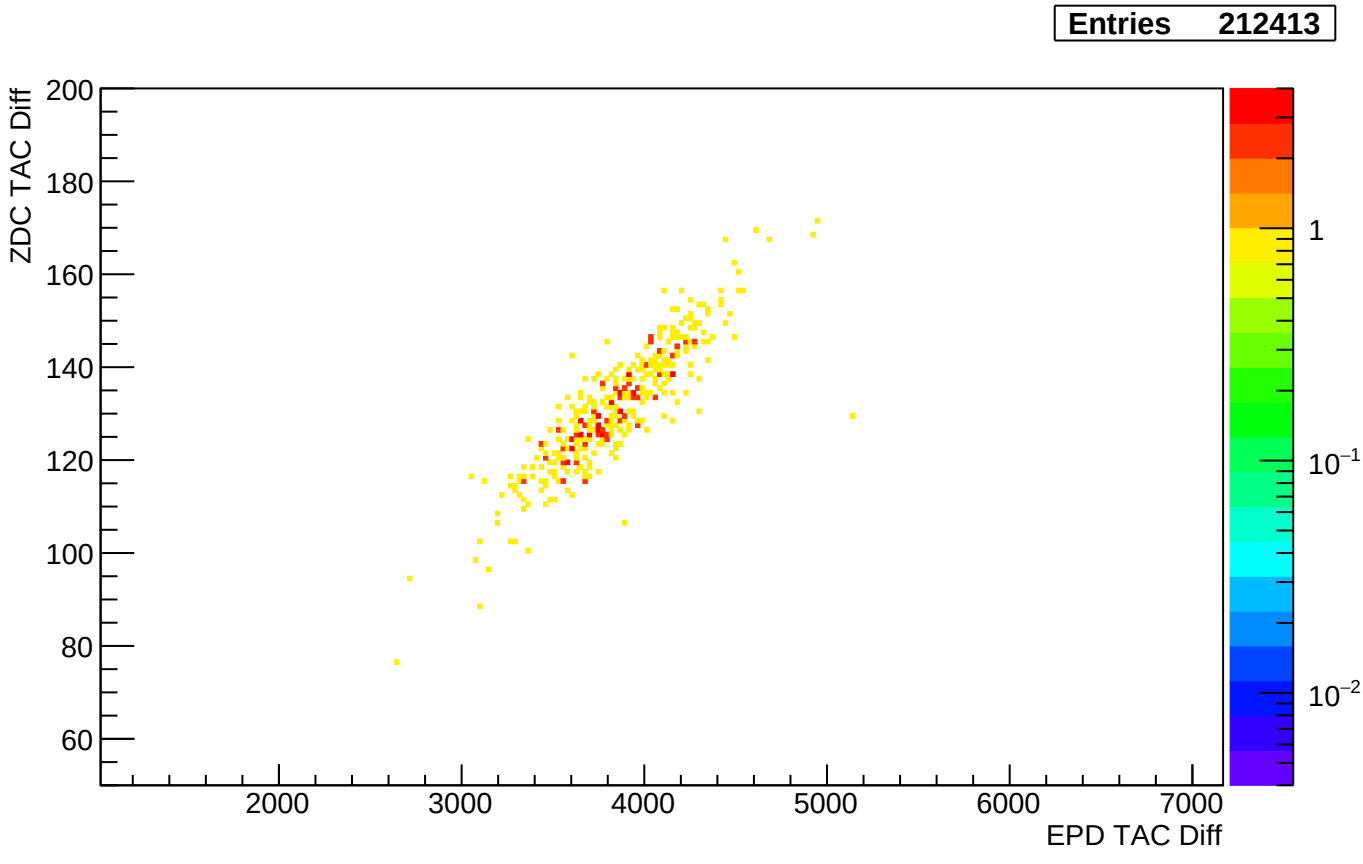

Entries 212413
TOF-Mult
BBC-S-West ADC Sum

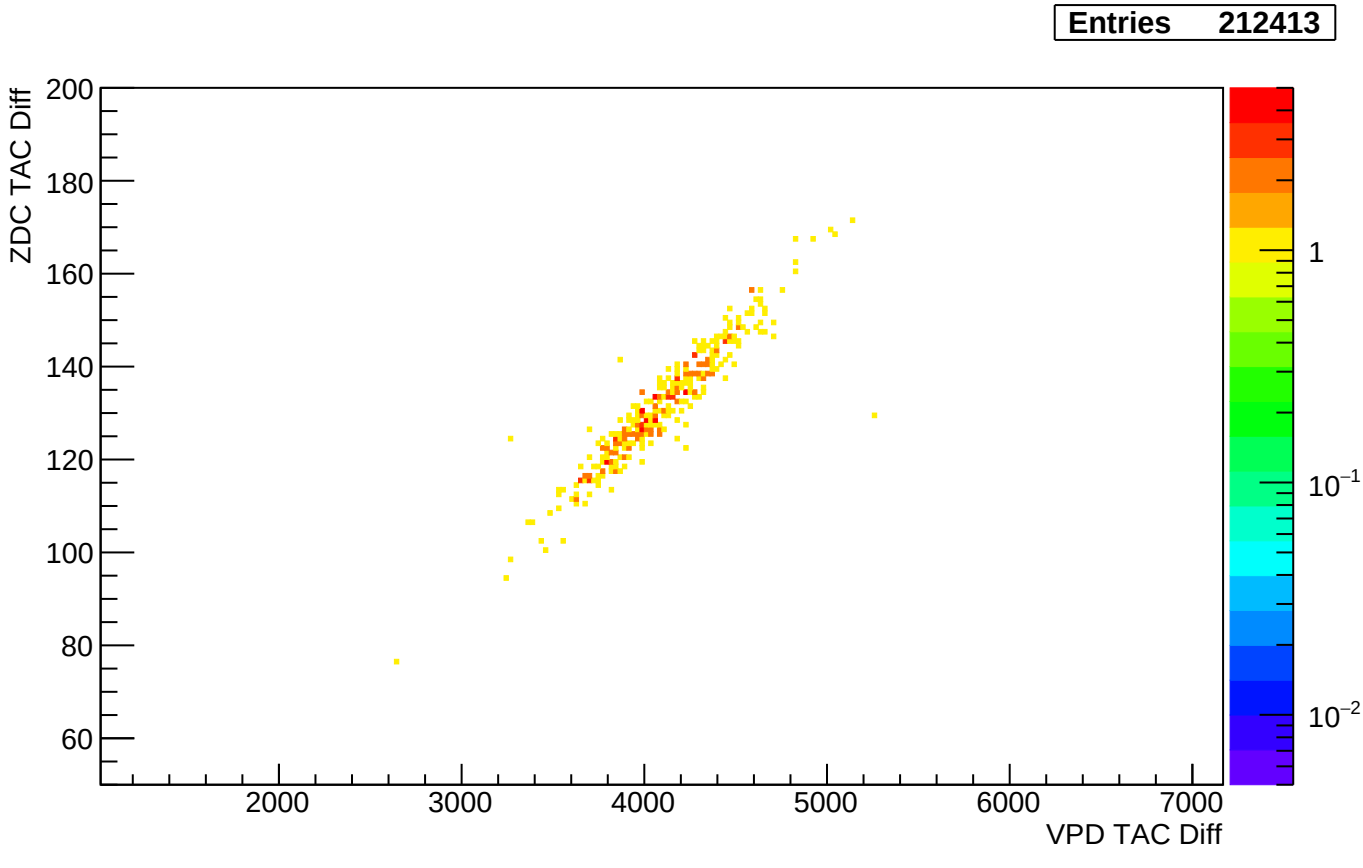

Entries 212413
TOF-Mult
EPD-East Hit Cnt

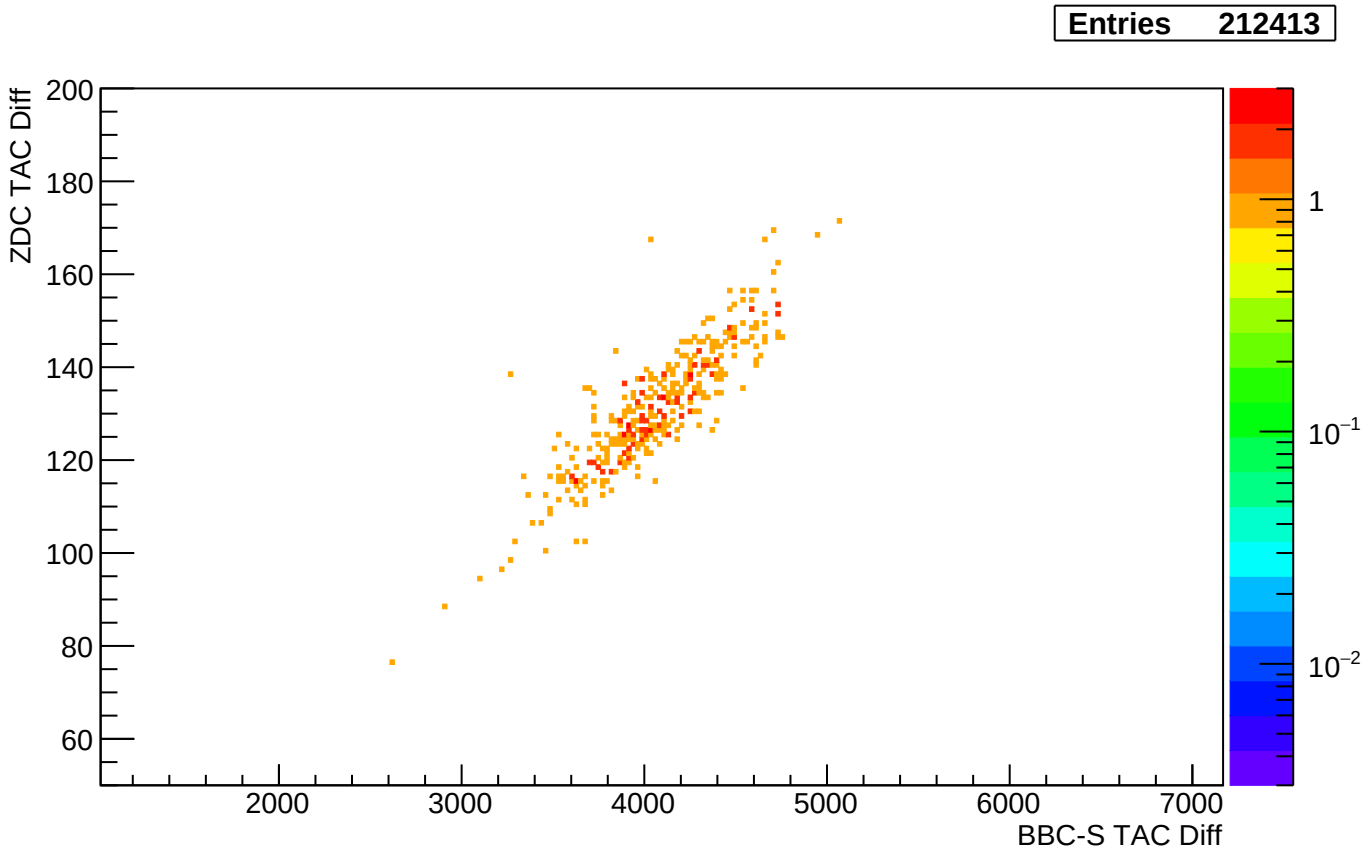

Entries 212413
TOF-Mult
EPD-West Hit Cnt

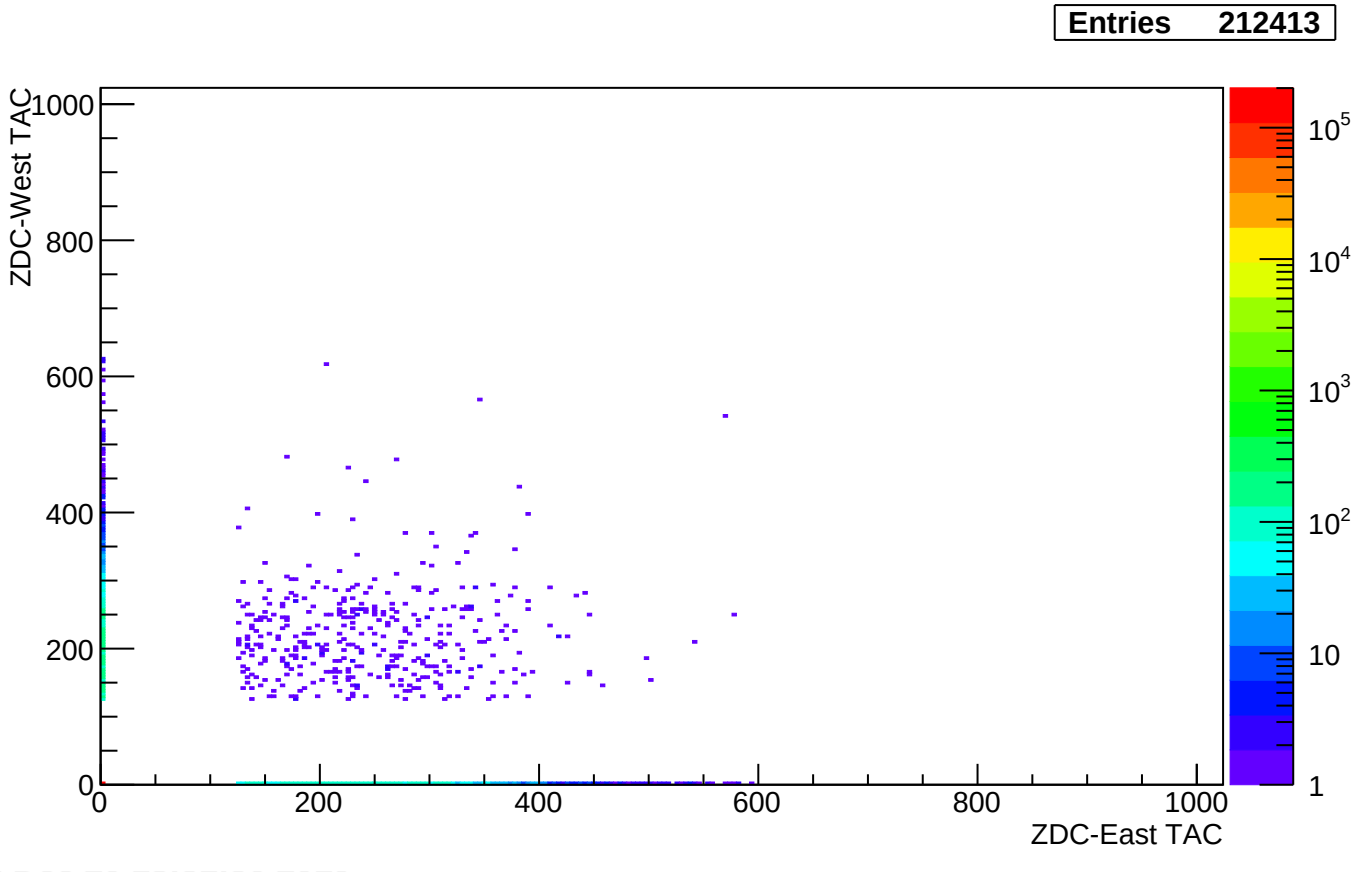

Entries 212413
TOF-Mult
VPD-East ADC Sum

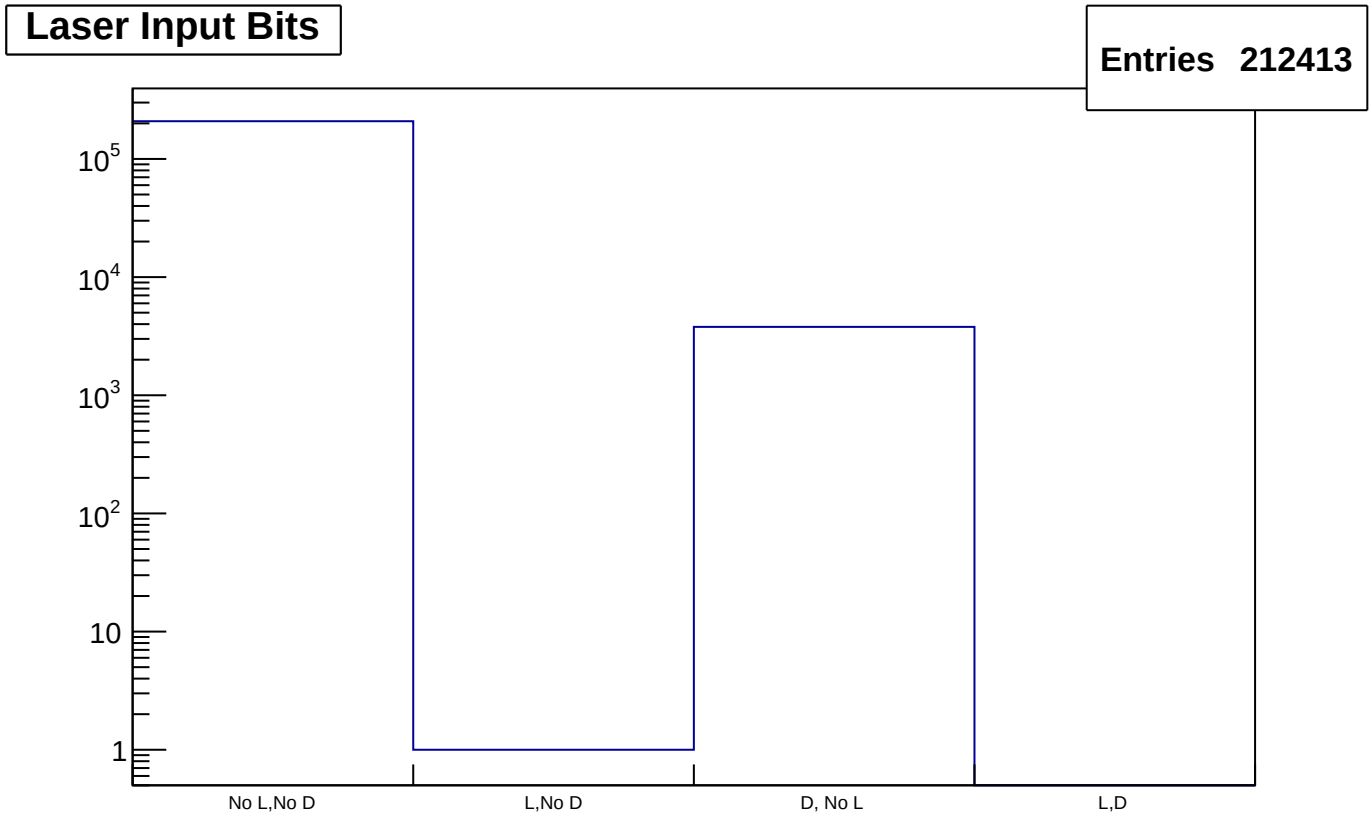

Entries 212413
TOF-Mult
VPD-West ADC Sum

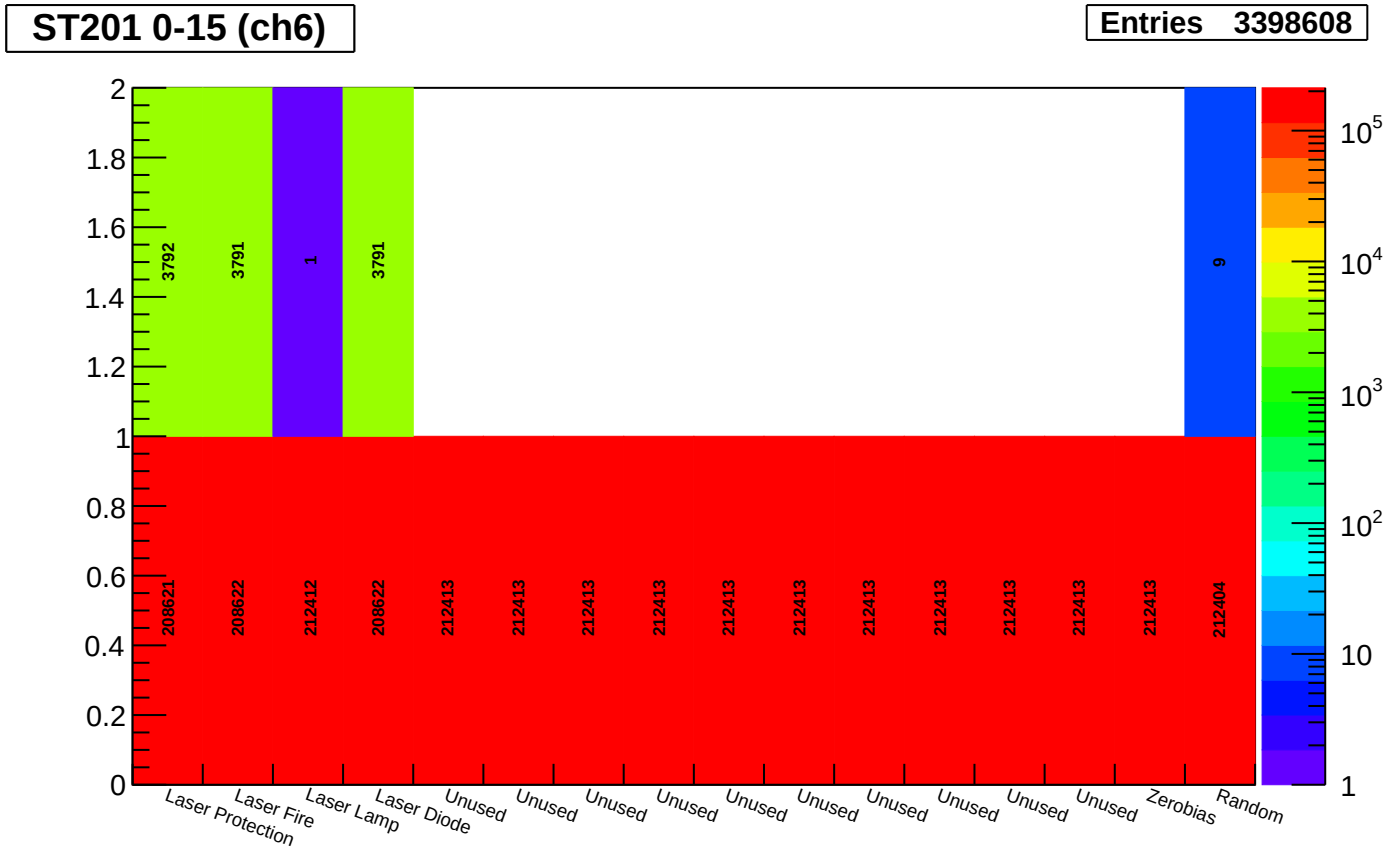

Entries 212413
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

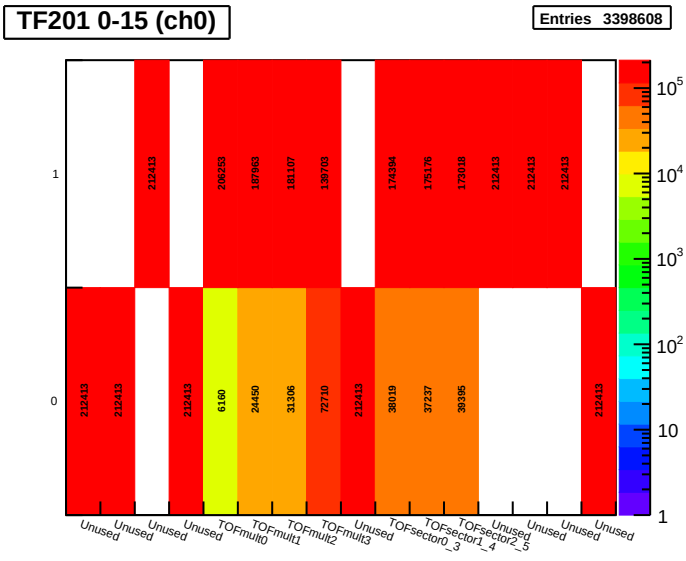

Entries 212413
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

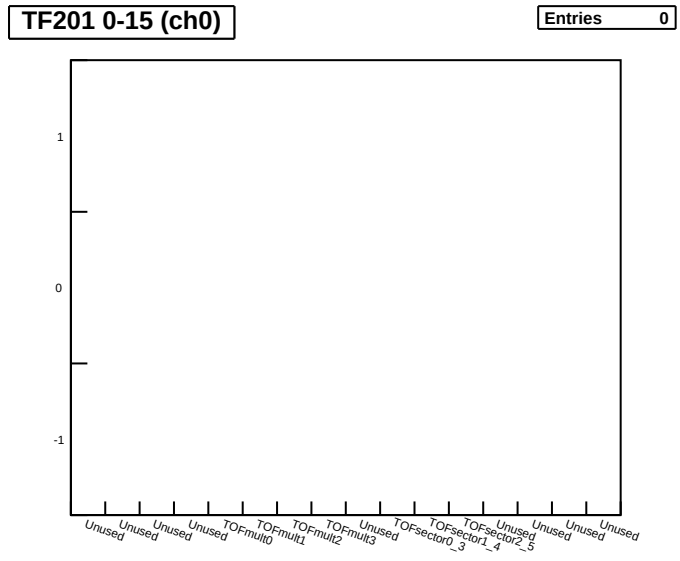

Entries 212413
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

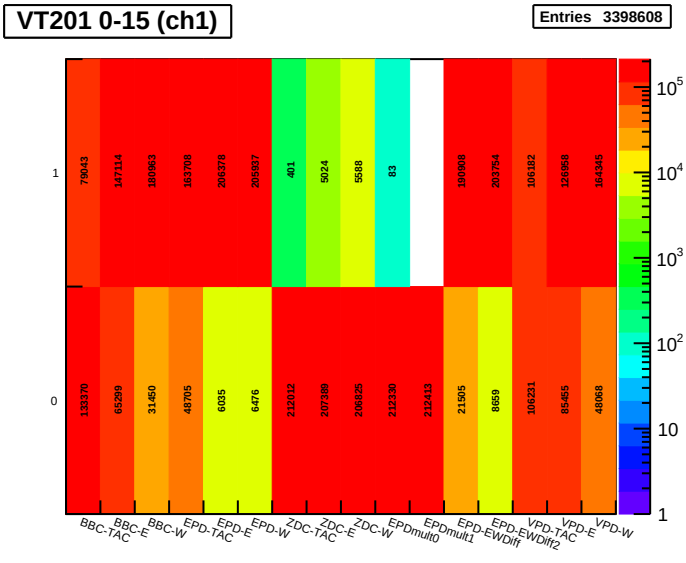

Entries 212413
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

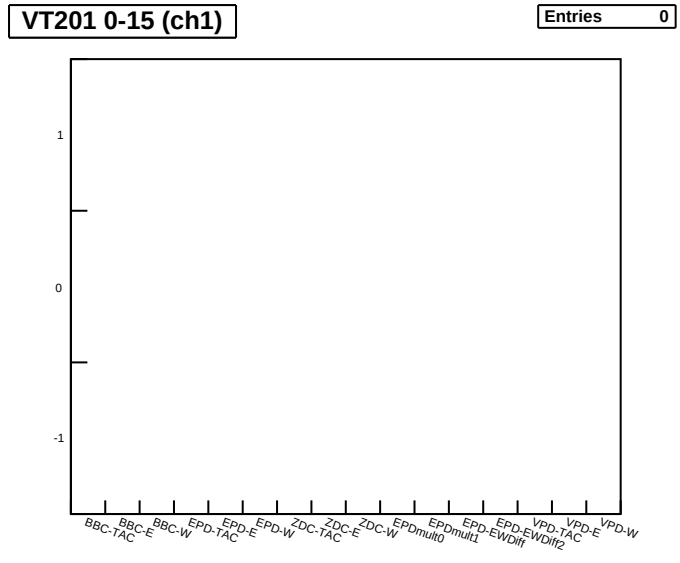

Laser Input Bits
Entries 212413
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

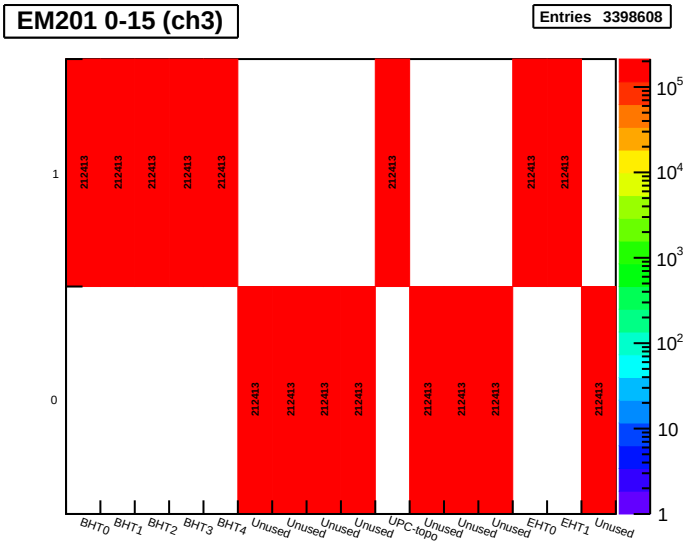

ST201 0-15 (ch6)
Entries 3398608
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3792
3791
1
3791
9
208621
208622
212412
208622
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212404
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

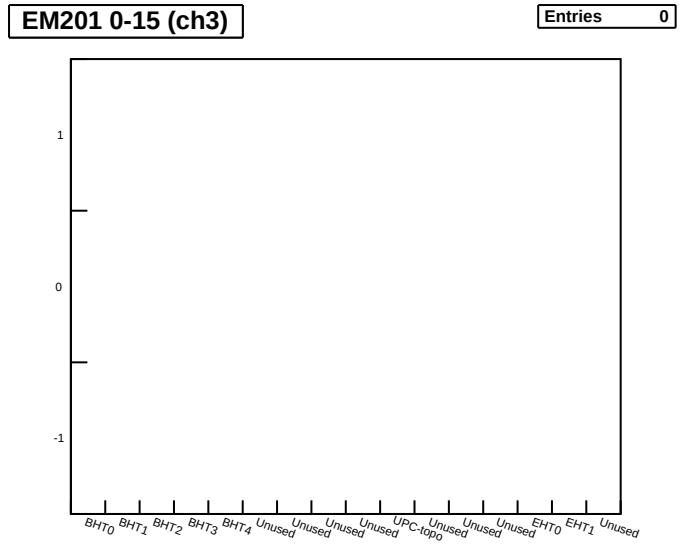

TF201 0-15 (ch0)
Entries 3398608
1
0
212413
206253
197963
181107
139703
174394
175176
173018
212413
212413
212413
212413
212413
212413
6160
24450
31306
72710
212413
38019
37237
39395
212413
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
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 3398608
1
0
79043
147114
180963
163708
206378
205937
401
5024
5588
83
190908
203754
106182
126958
164345
133370
65299
31450
48705
6035
6476
212012
207389
206825
212330
212413
21505
8659
106231
85455
48068
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 3398608
1
0
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
212413
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
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
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused