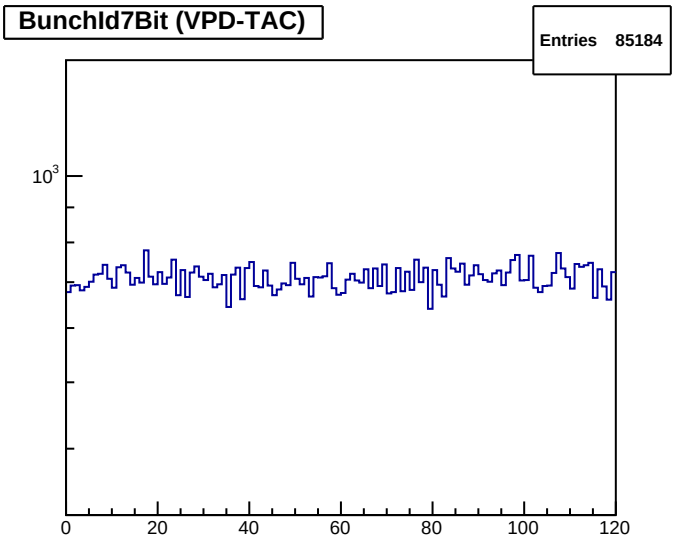
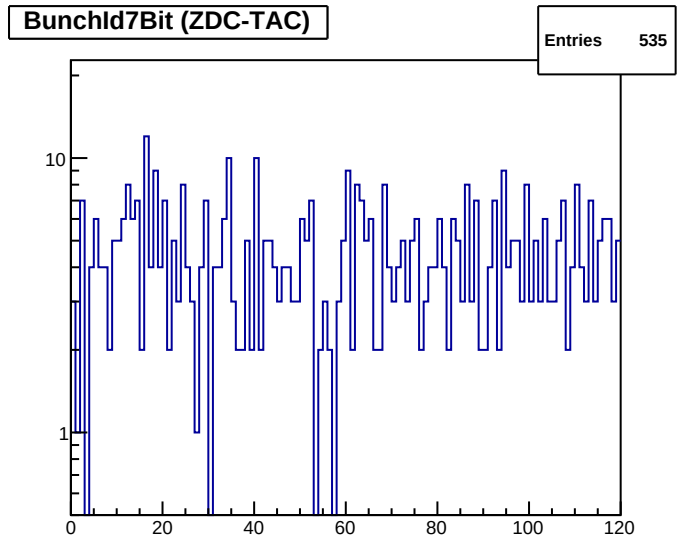
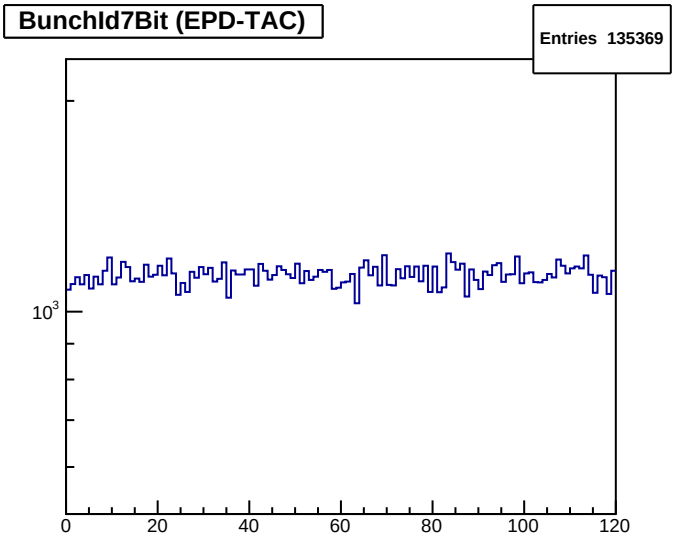
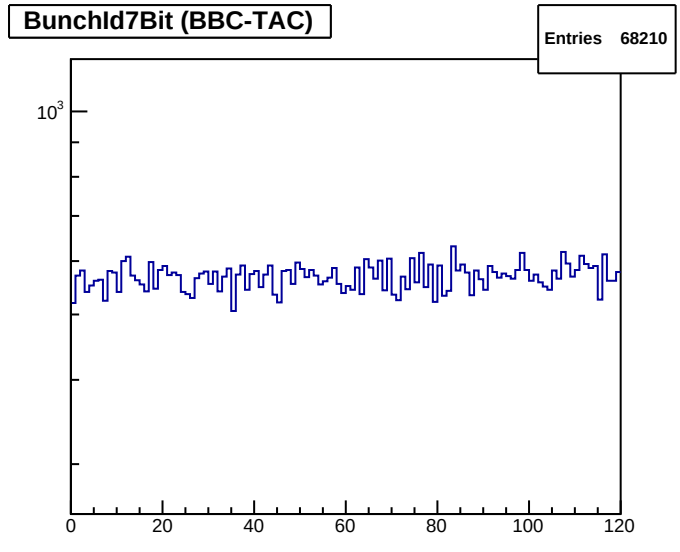
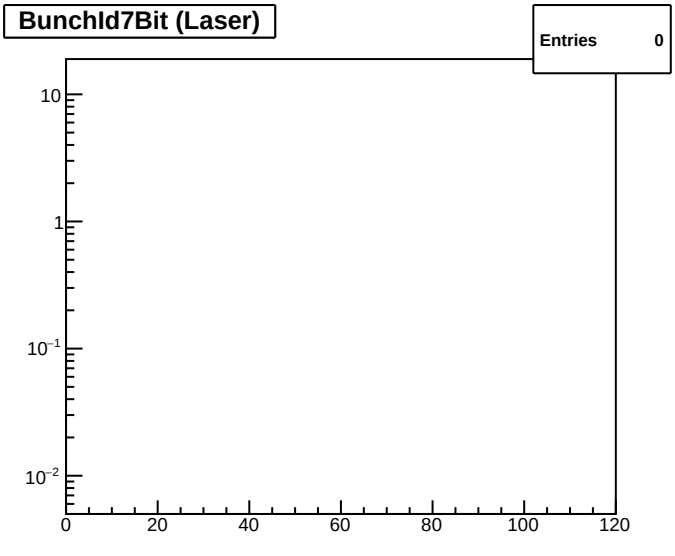
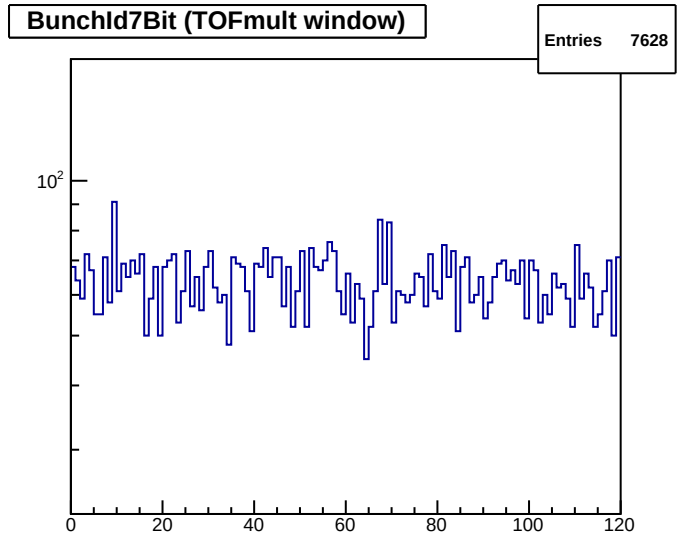

BunchId7Bit (VPD-TAC)
Entries 85184
10^3
0 20 40 60 80 100 120

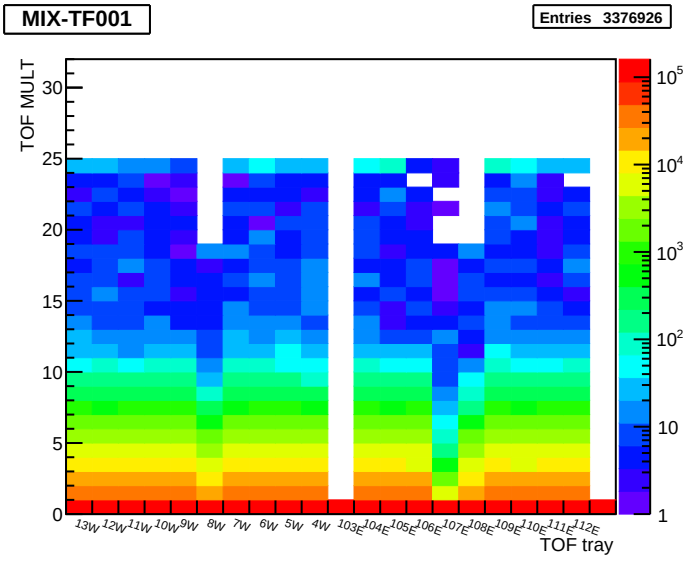

BunchId7Bit (ZDC-TAC)
Entries 535
10
1
0 20 40 60 80 100 120

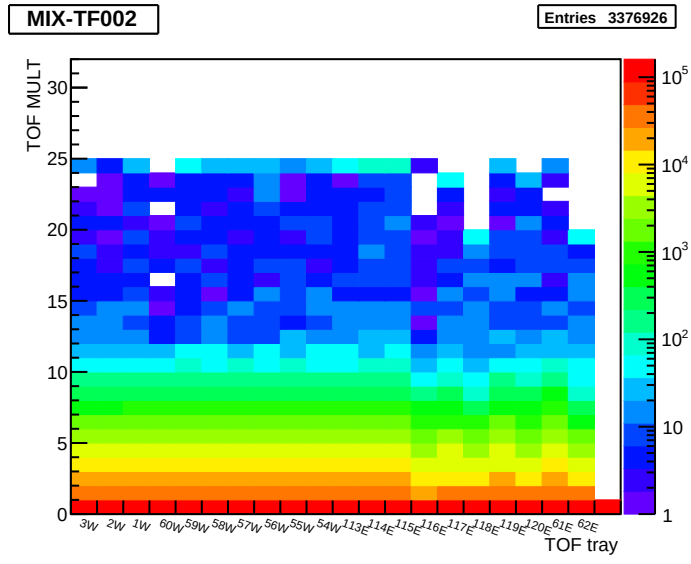

BunchId7Bit (EPD-TAC)
Entries 135369
10^3
0 20 40 60 80 100 120

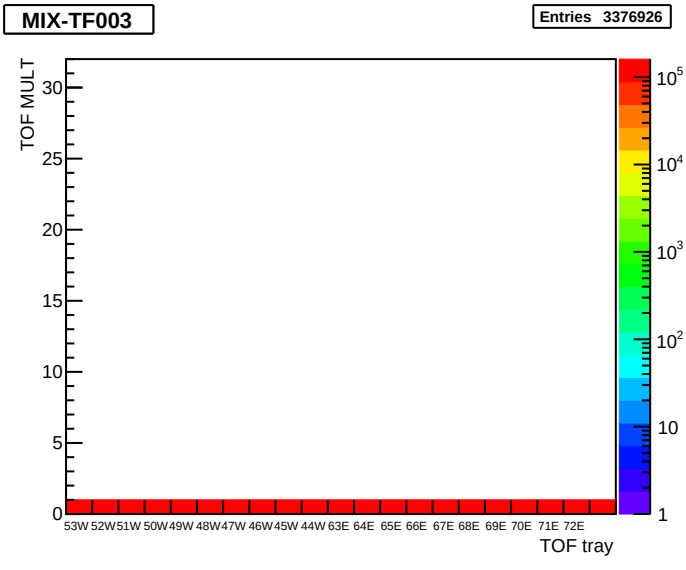

BunchId7Bit (BBC-TAC)
Entries 68210
10^3
0 20 40 60 80 100 120

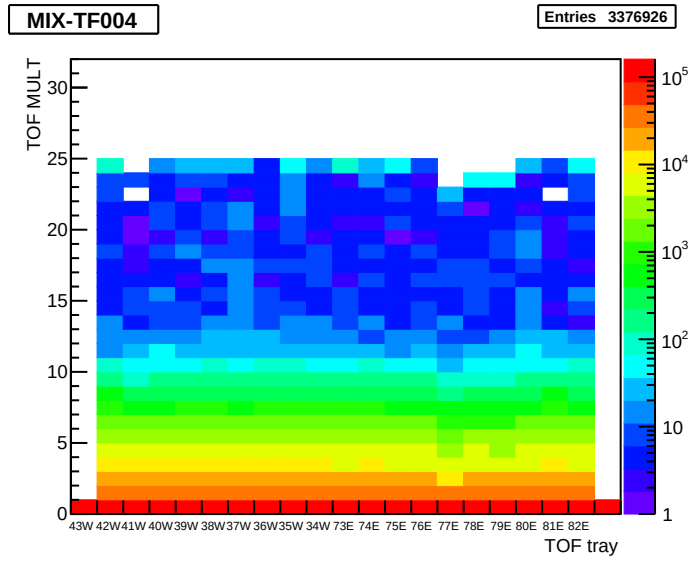

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

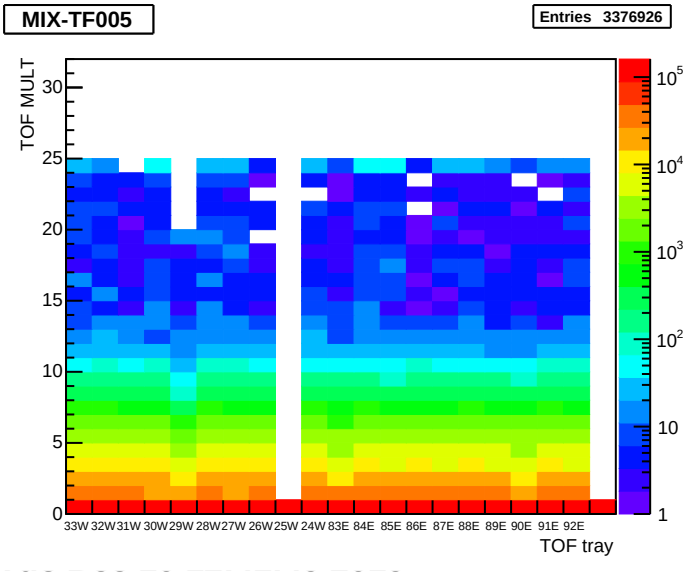

BunchId7Bit (TOFmult window)
Entries 7628
10^2
0 20 40 60 80 100 120

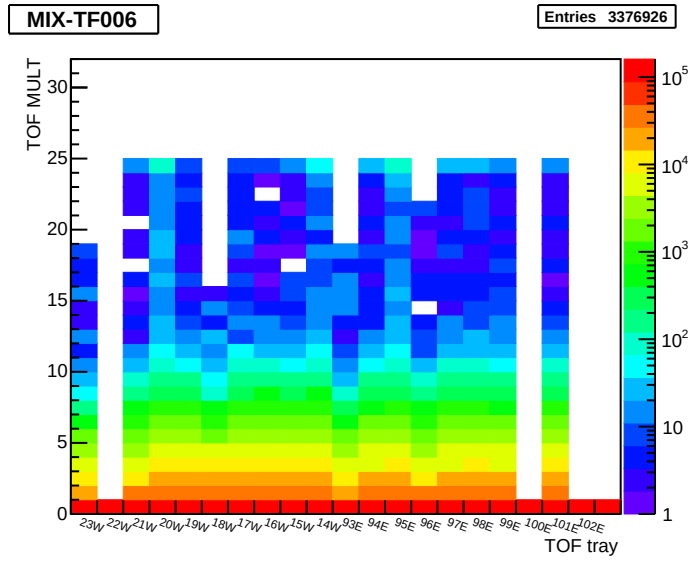

MIX-TF001
Entries 3376926
TOF MULT
TOF tray

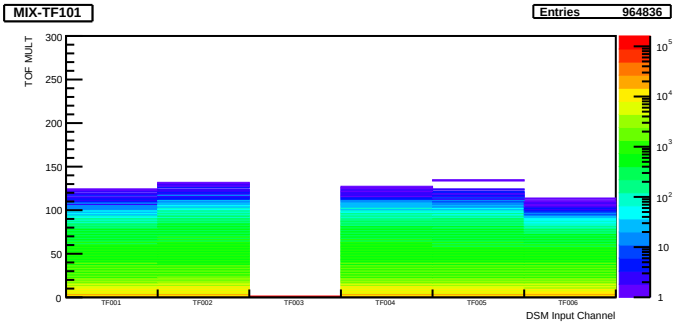

MIX-TF002
Entries 3376926
TOF MULT
TOF tray

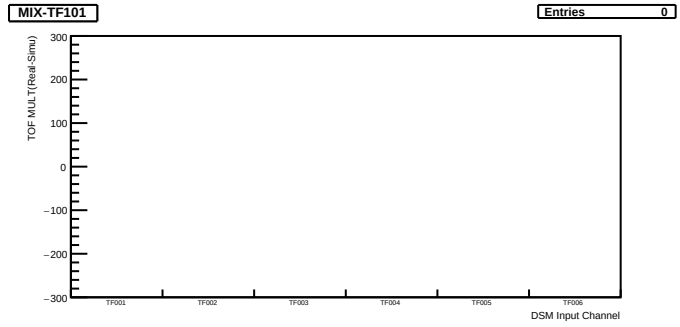

MIX-TF003
Entries 3376926
TOF MULT
TOF tray

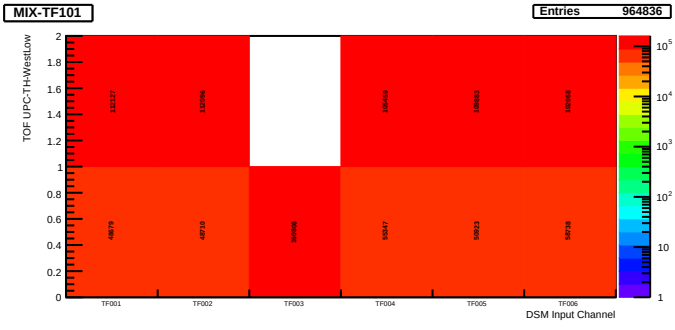

MIX-TF004
Entries 3376926
TOF MULT
TOF tray

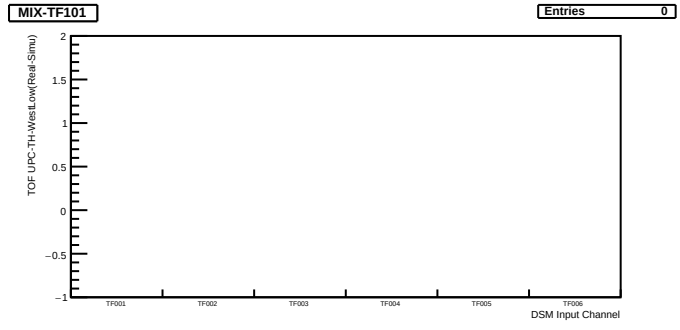

MIX-TF005
Entries 3376926
TOF MULT
TOF tray

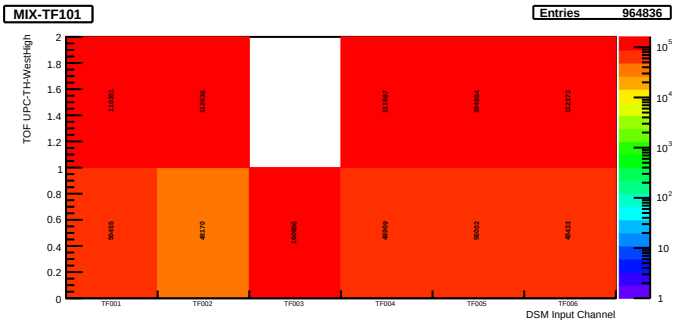

MIX-TF006
Entries 3376926
TOF MULT
TOF tray

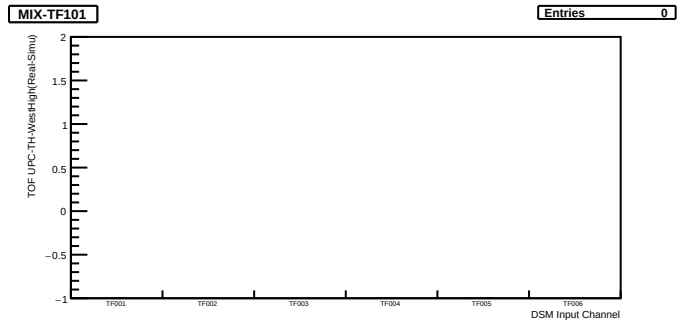

MIX-TF101
Entries 964836
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

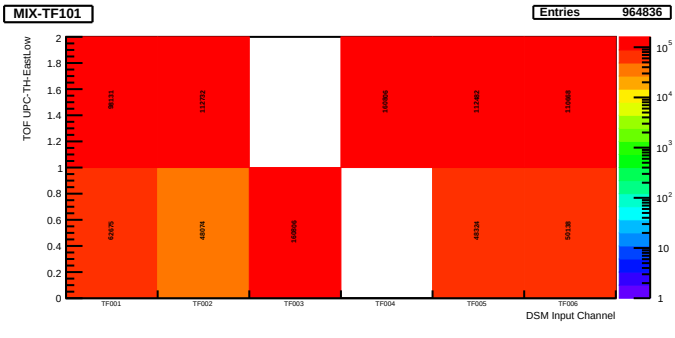

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

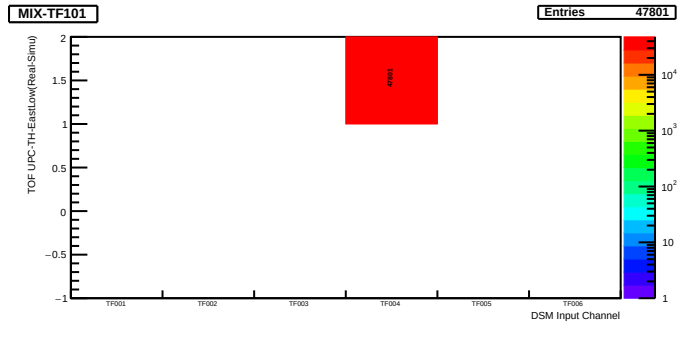

MIX-TF101
Entries 964836
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

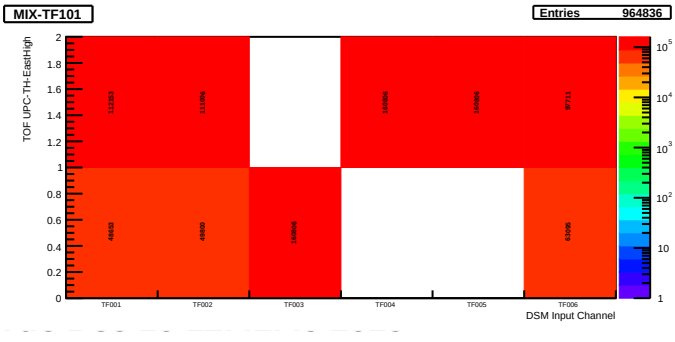

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

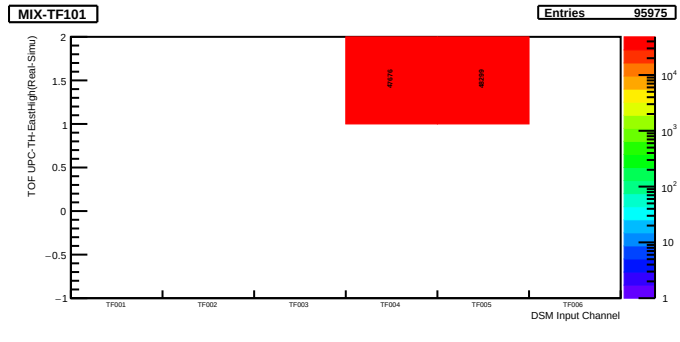

MIX-TF101
Entries 964836
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

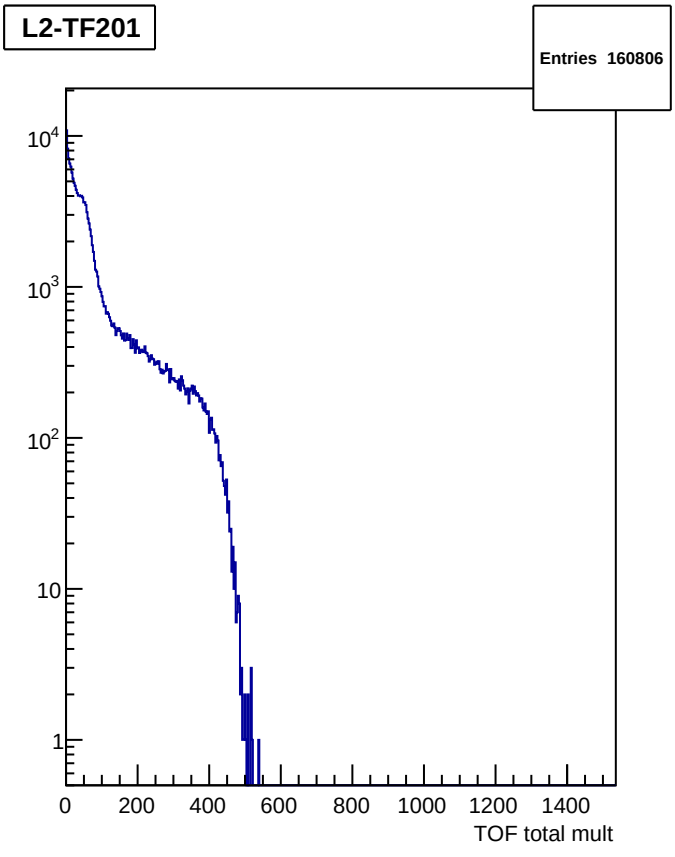

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

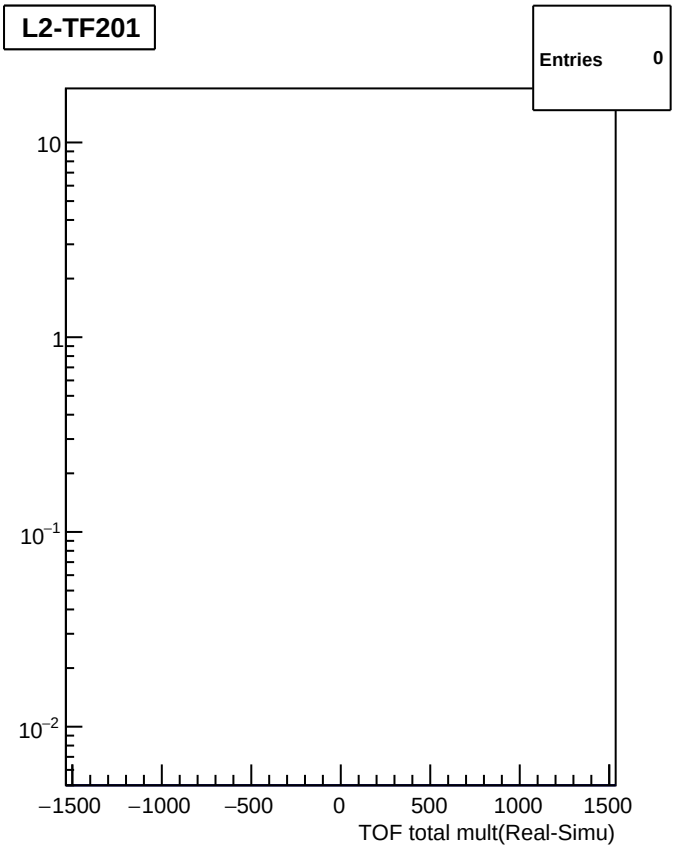

MIX-TF101
Entries 964836
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

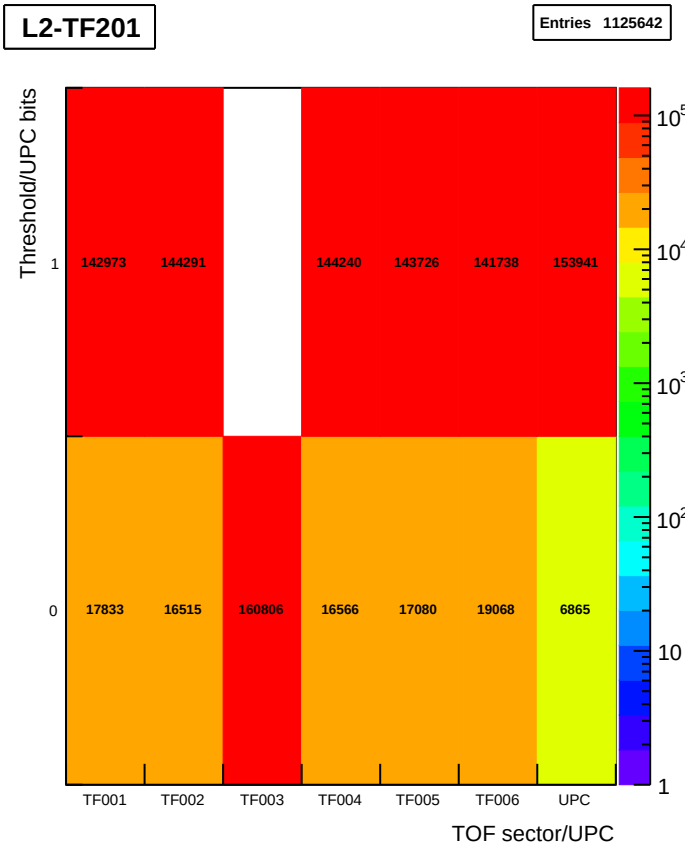

MIX-TF101
Entries 47801
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

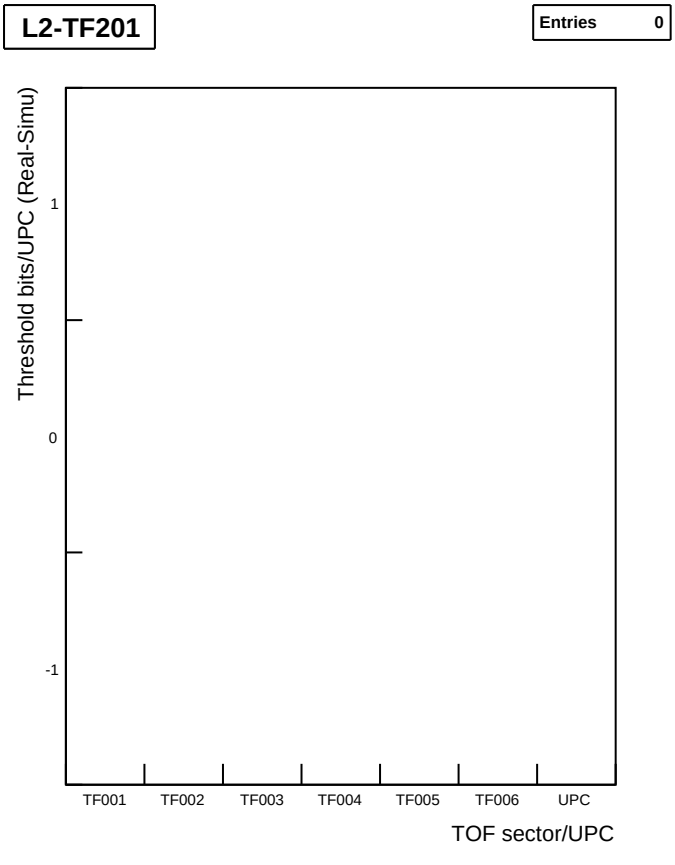

MIX-TF101
Entries 964836
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

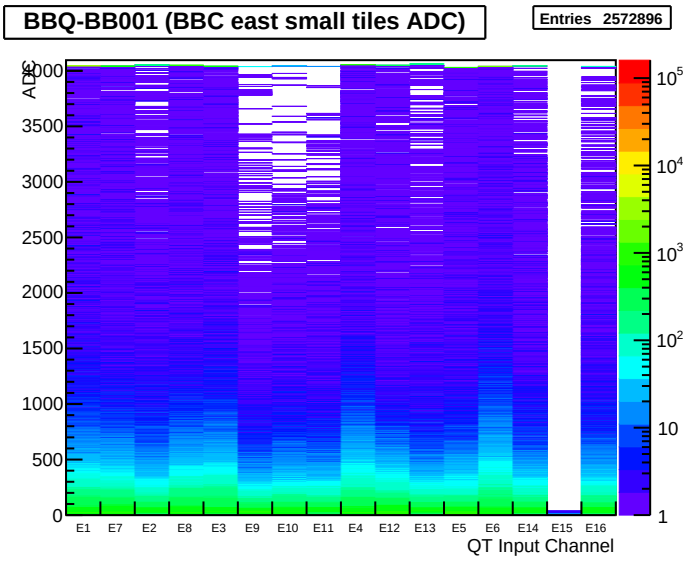

MIX-TF101
Entries 95975
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

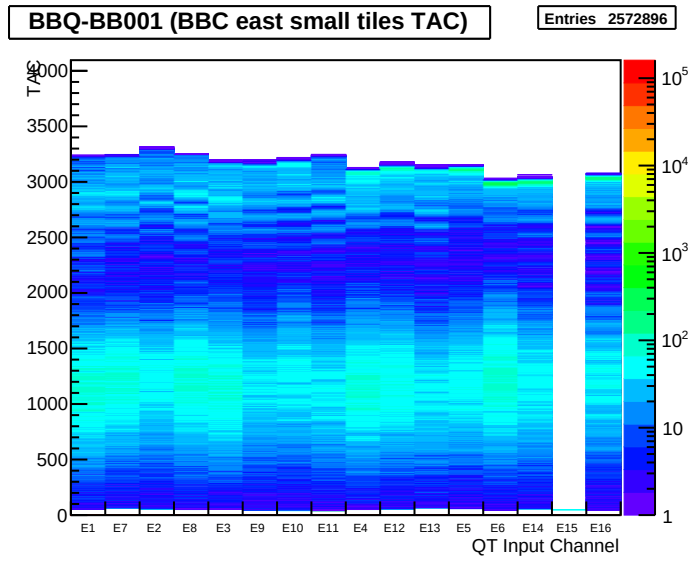

L2-TF201
Entries 160806
TOF total mult

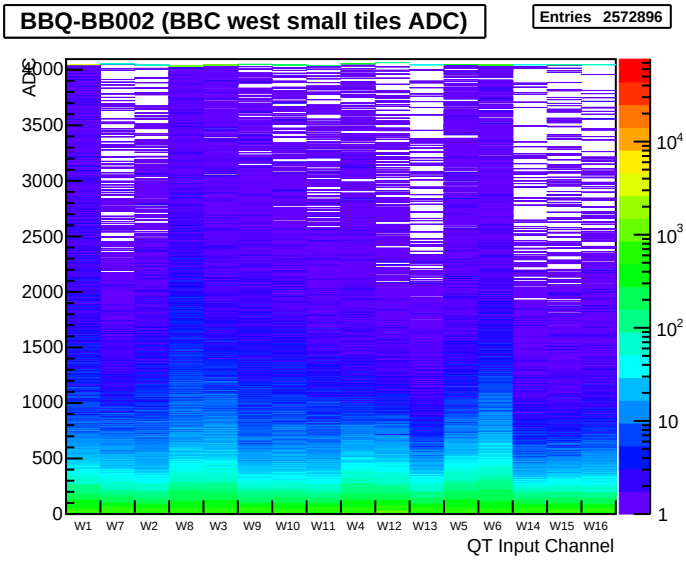

L2-TF201
Entries 0
TOF total mult(Real-Simu)

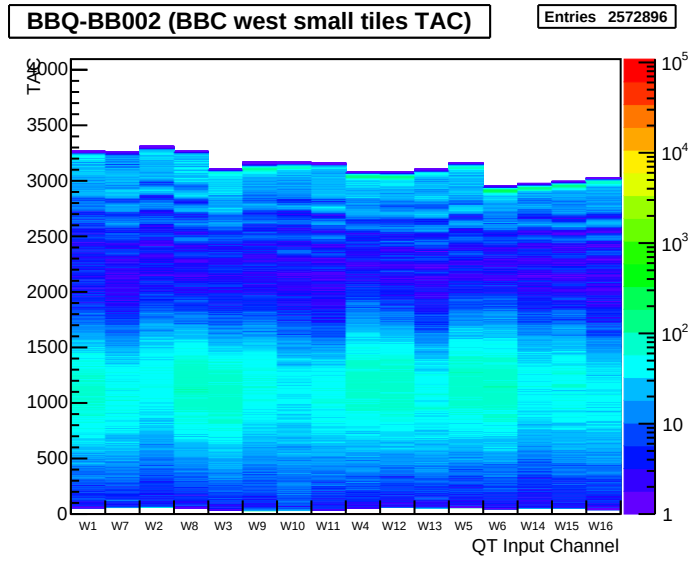

L2-TF201
Entries 1125642
Threshold/UPC bits
142973
144291
144240
143726
141738
153941
17833
16515
160806
16566
17080
19068
6865
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

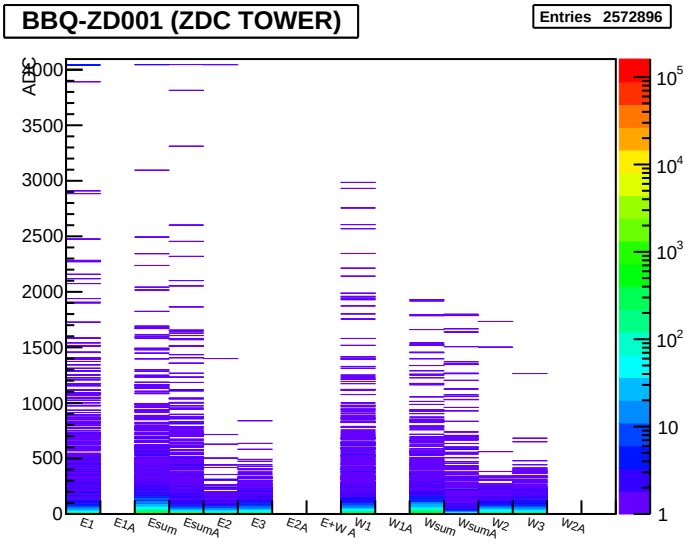

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

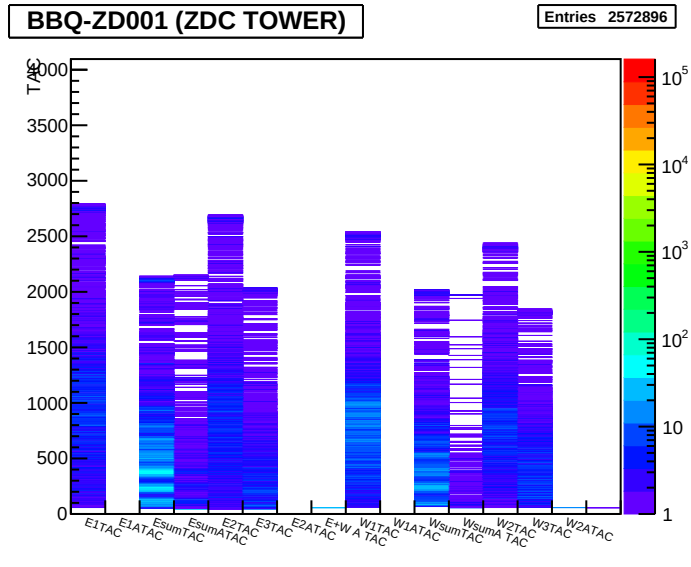

BBQ-BB001 (BBC east small tiles ADC)
Entries 2572896
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

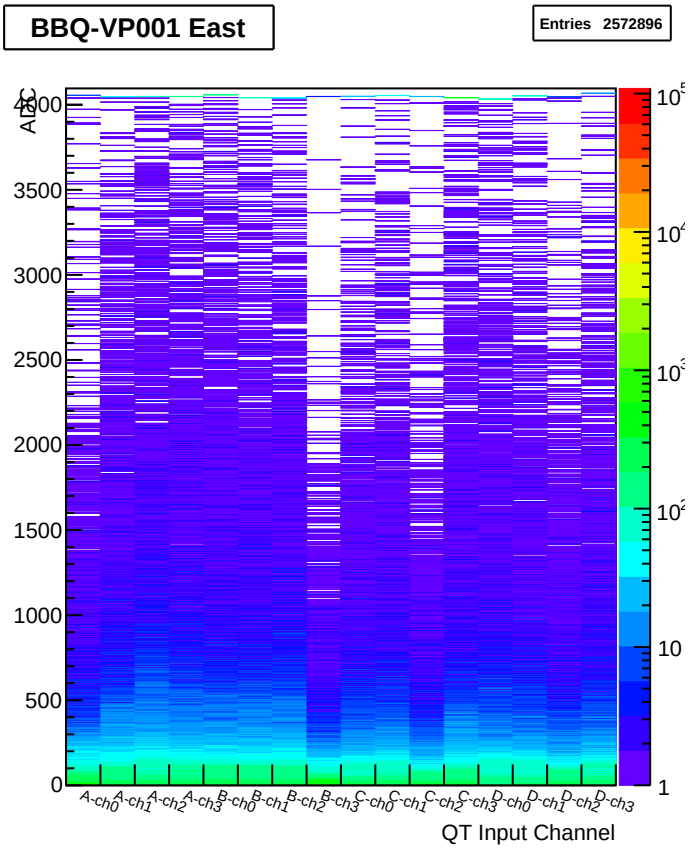

BBQ-BB001 (BBC east small tiles TAC)
Entries 2572896
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

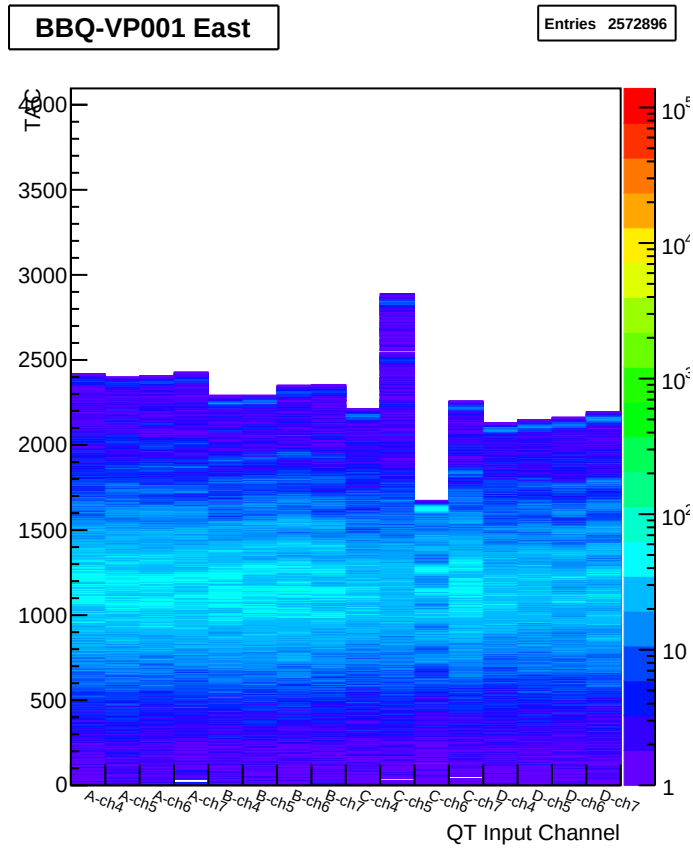

BBQ-BB002 (BBC west small tiles ADC)
Entries 2572896
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

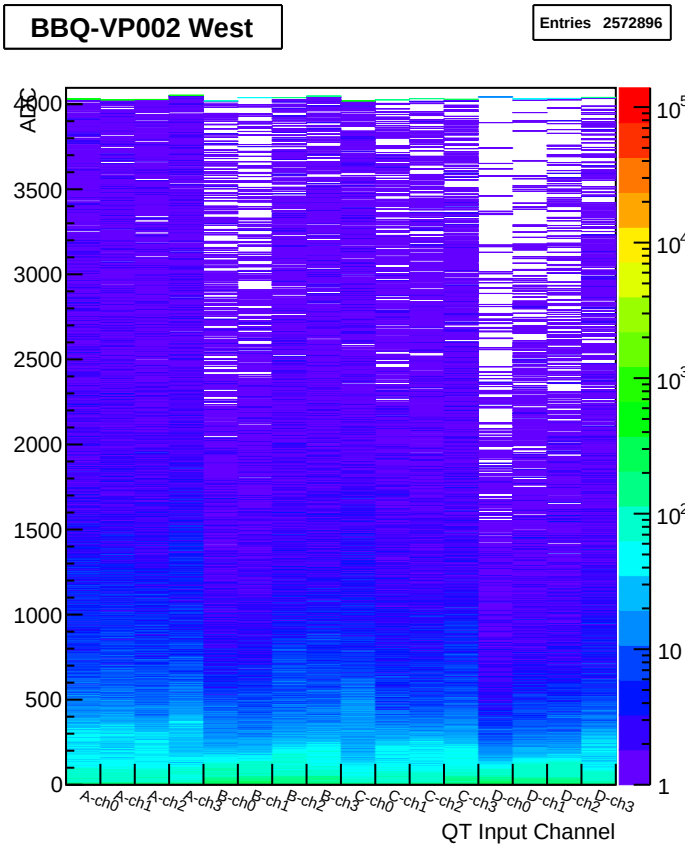

BBQ-BB002 (BBC west small tiles TAC)
Entries 2572896
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

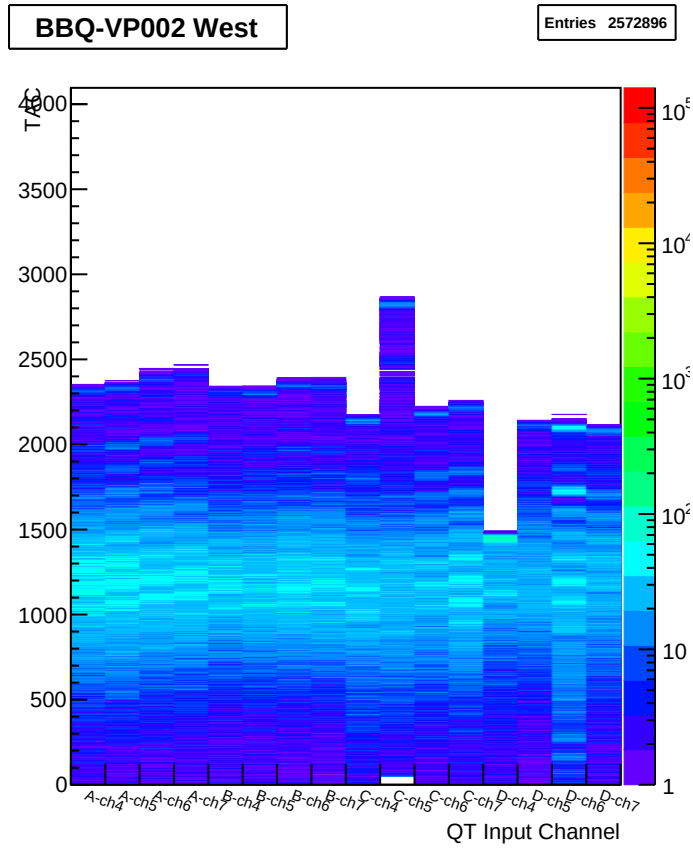

BBQ-ZD001 (ZDC TOWER)
Entries 2572896
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

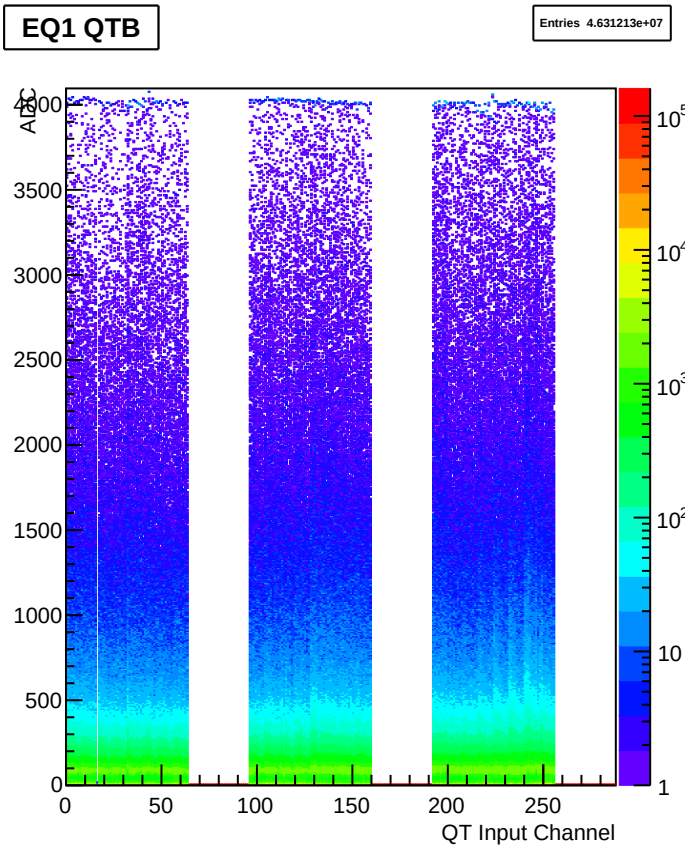

BBQ-ZD001 (ZDC TOWER)
Entries 2572896
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

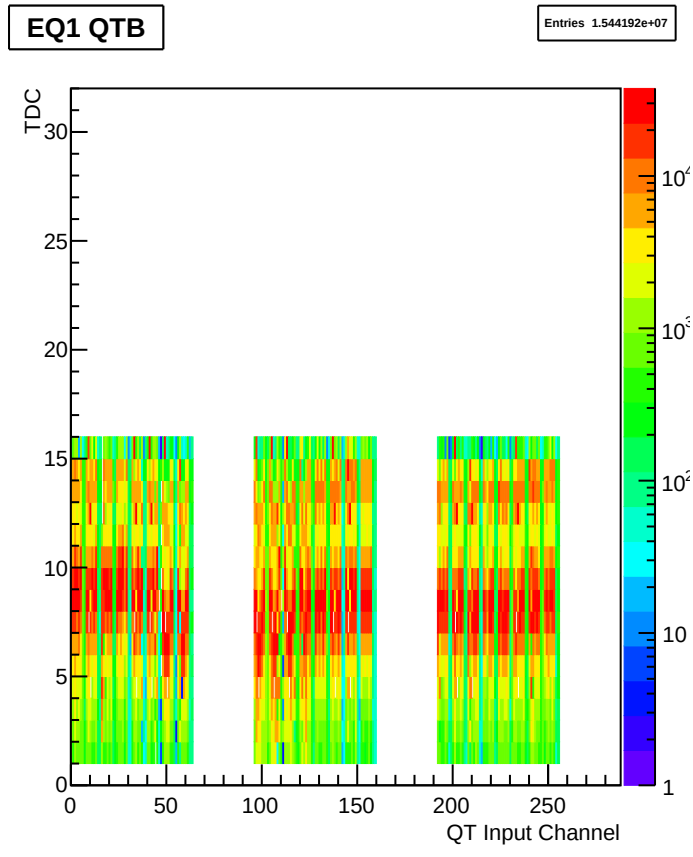

BBQ-VP001 East
Entries 2572896
ADC
QT Input Channel

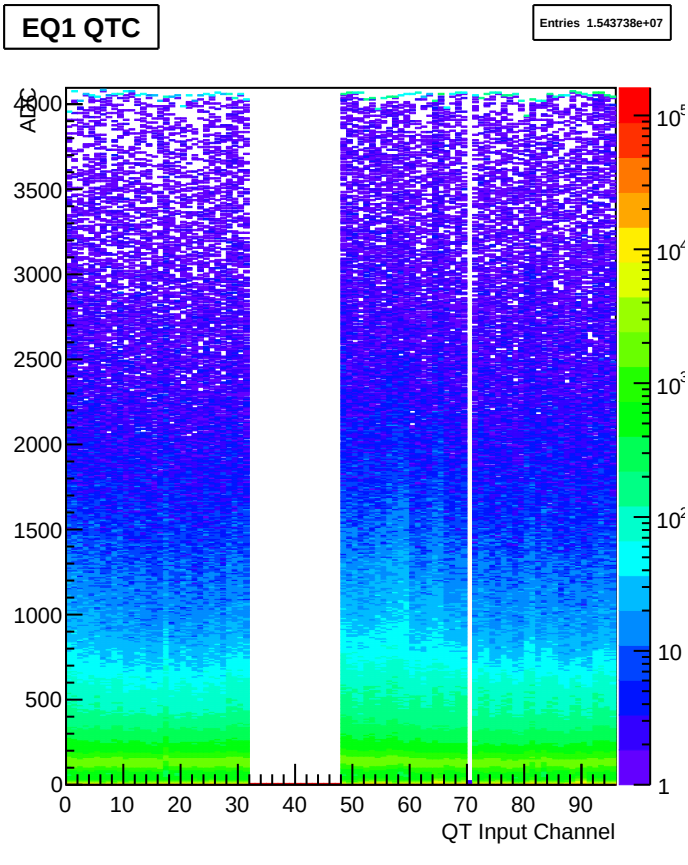

BBQ-VP001 East
Entries 2572896
TADC
QT Input Channel

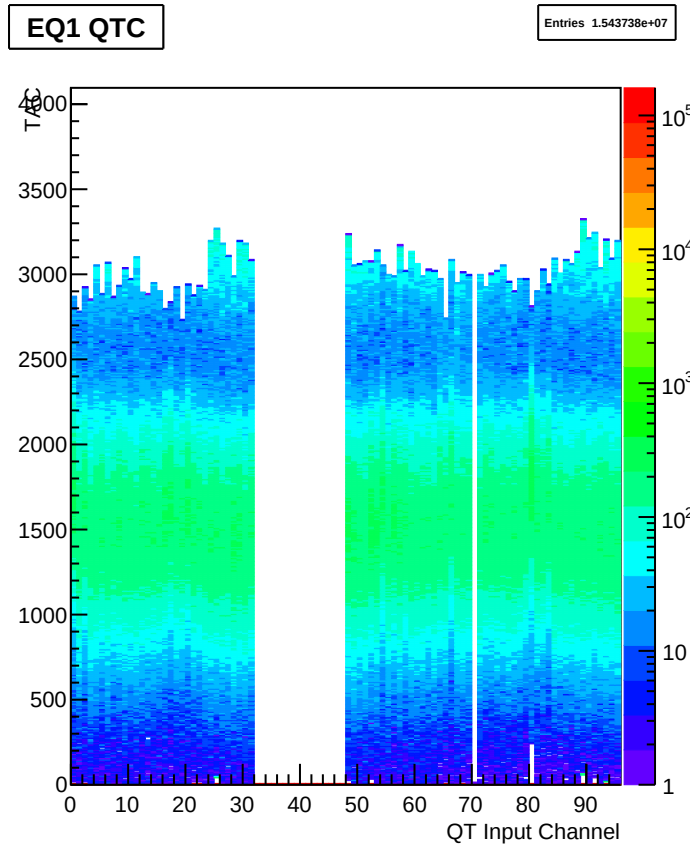

BBQ-VP002 West
Entries 2572896
ADC
QT Input Channel

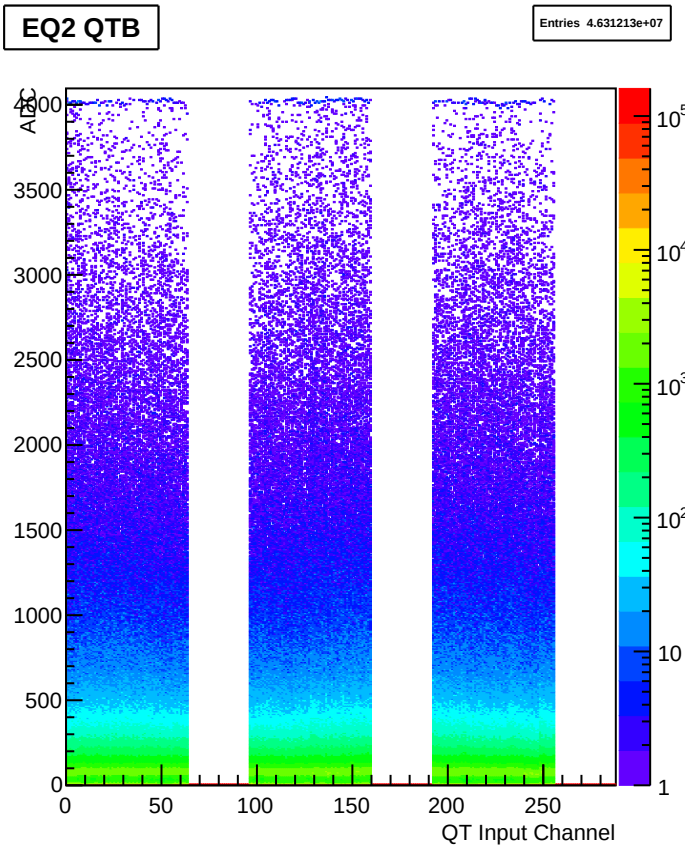

BBQ-VP002 West
Entries 2572896
TADC
QT Input Channel

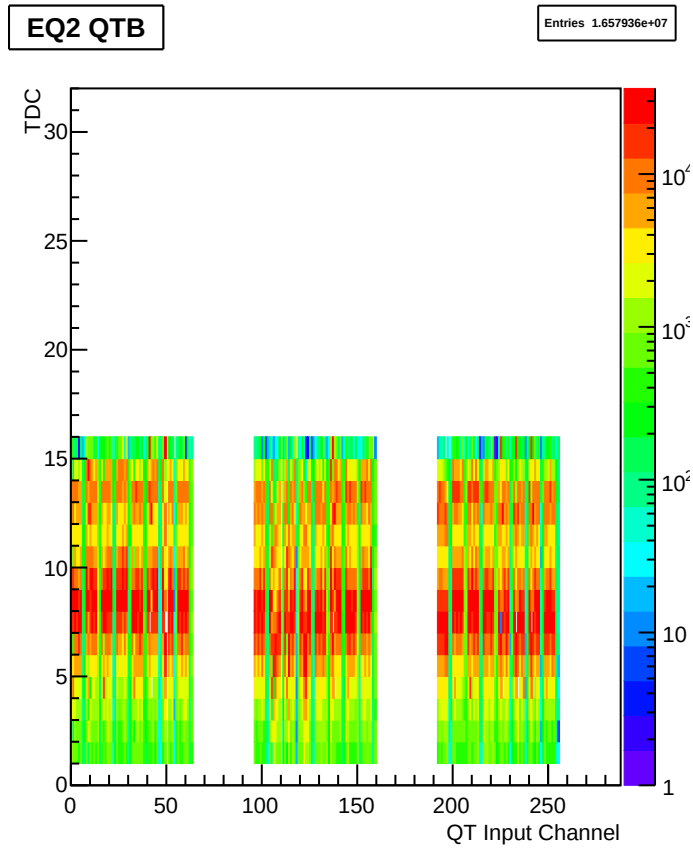

EQ1 QTB
Entries 4.631213e+07
ADC
QT Input Channel

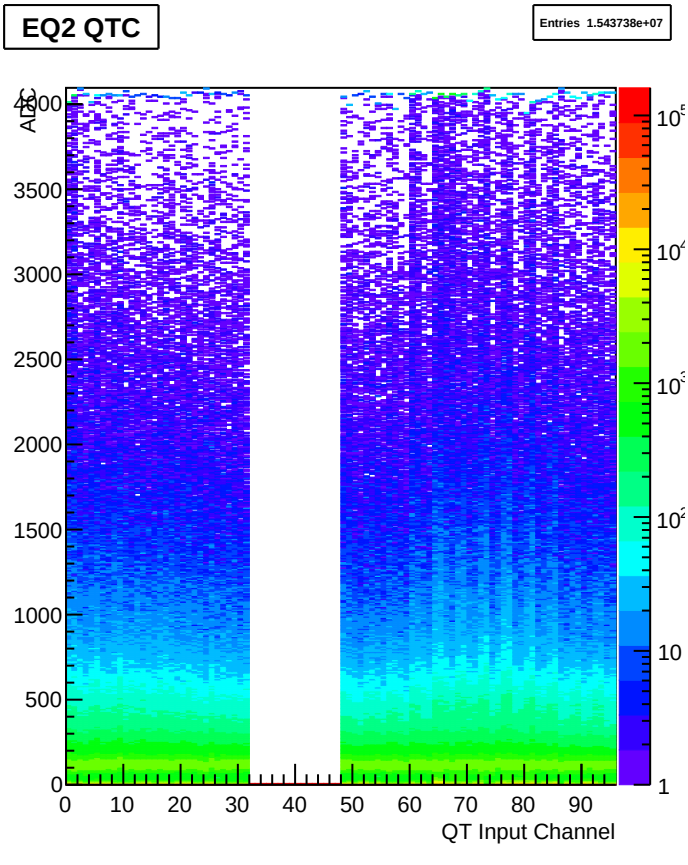

EQ1 QTB
Entries 1.544192e+07
TDC
QT Input Channel

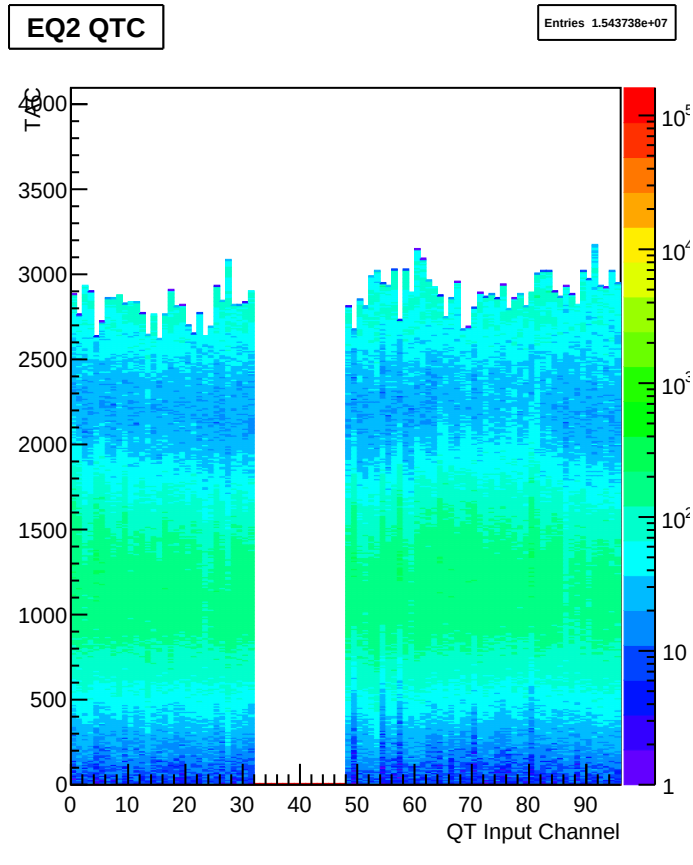

EQ1 QTC
Entries 1.543738e+07
ADC
QT Input Channel

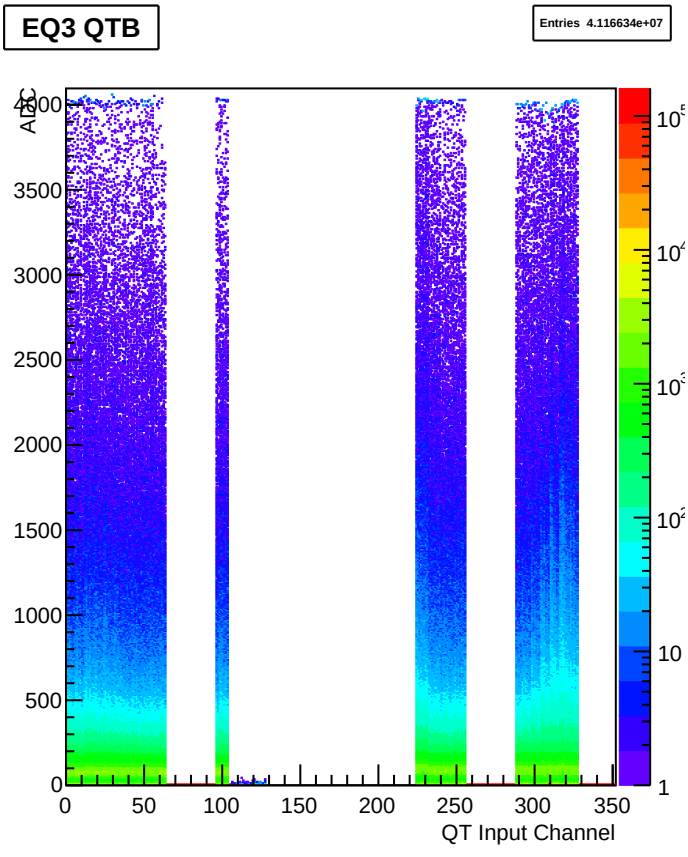

EQ1 QTC
Entries 1.543738e+07
TADC
QT Input Channel

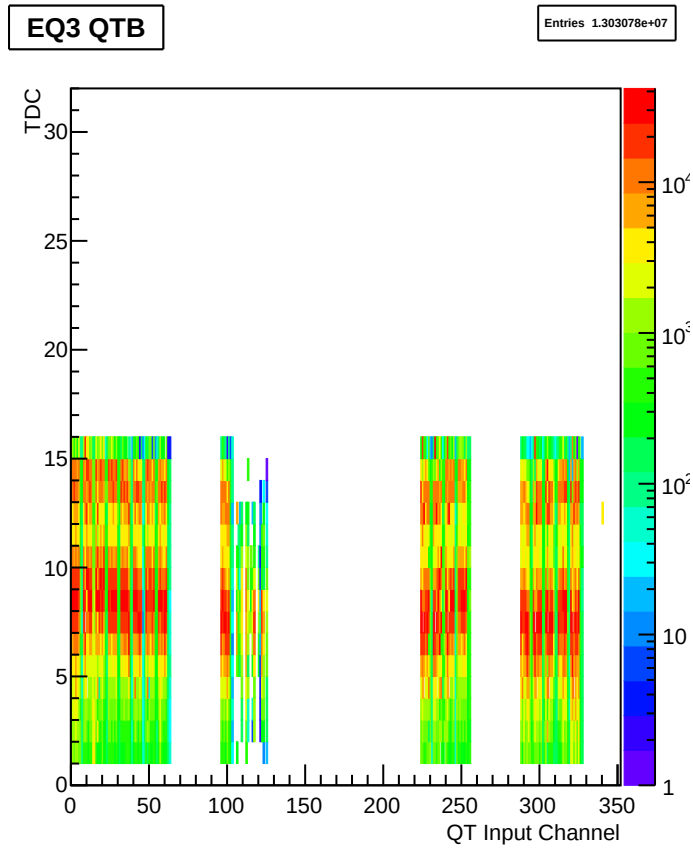

EQ2 QTB
Entries 4.631213e+07
ADC
QT Input Channel

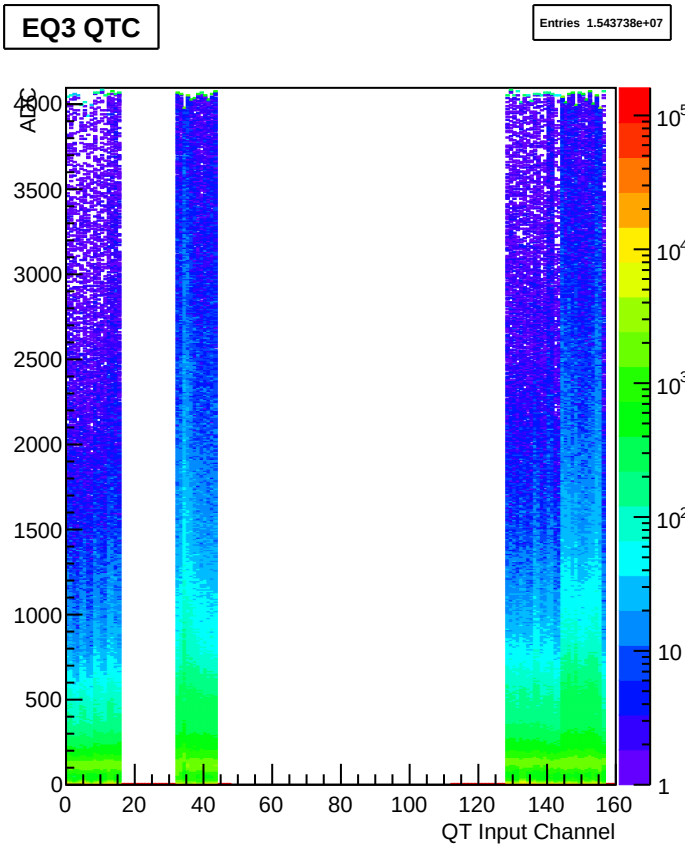

EQ2 QTB
Entries 1.657936e+07
TDC
QT Input Channel

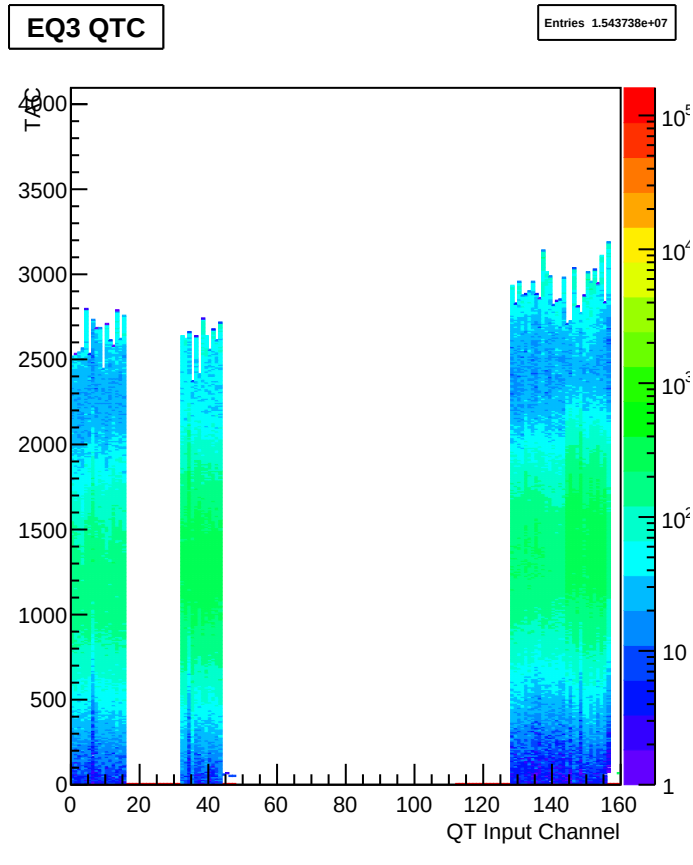

EQ2 QTC
Entries 1.543738e+07
ADC
QT Input Channel

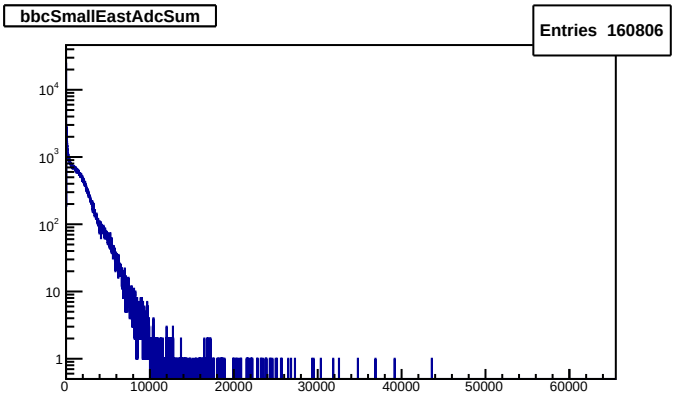

EQ2 QTC
Entries 1.543738e+07
TADC
QT Input Channel

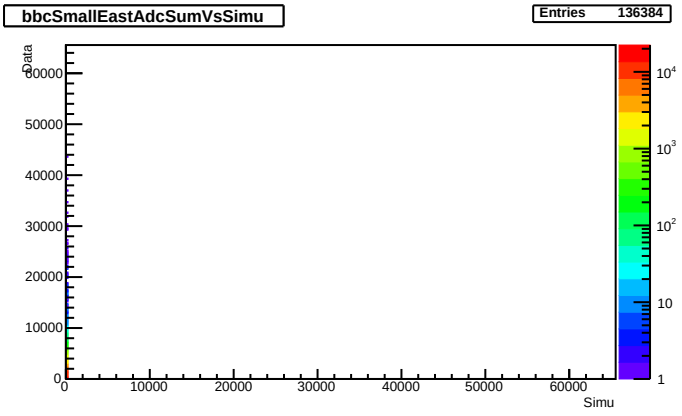

EQ3 QTB
Entries 4.116634e+07
ADC
QT Input Channel

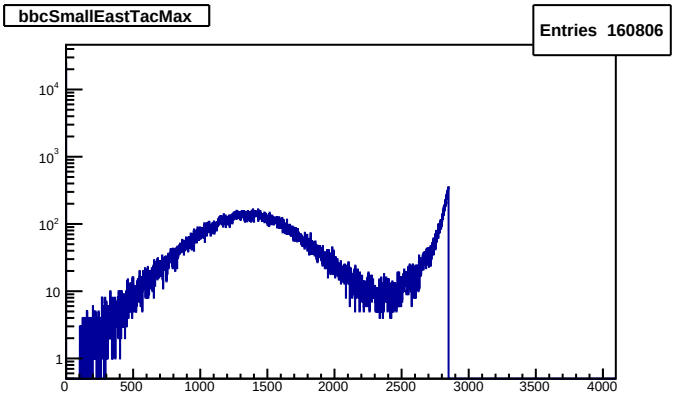

EQ3 QTB
Entries 1.303078e+07
TDC
QT Input Channel

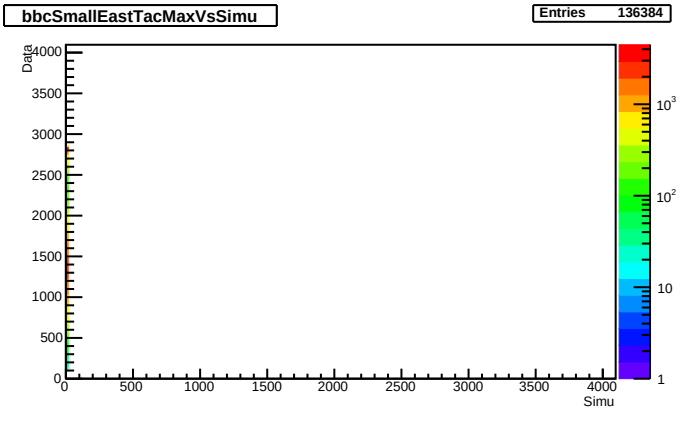

EQ3 QTC
Entries 1.543738e+07
ADC
QT Input Channel


EQ3 QTC
Entries 1.543738e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 160806


bbcSmallEastAdcSumVsSimu
Entries 136384
Data
Simu


bbcSmallEastTacMax
Entries 160806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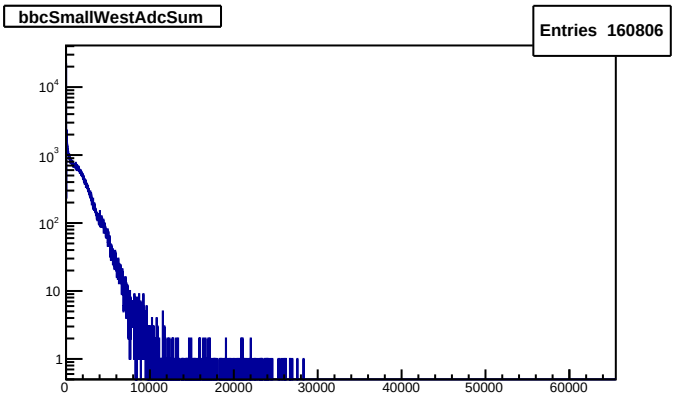
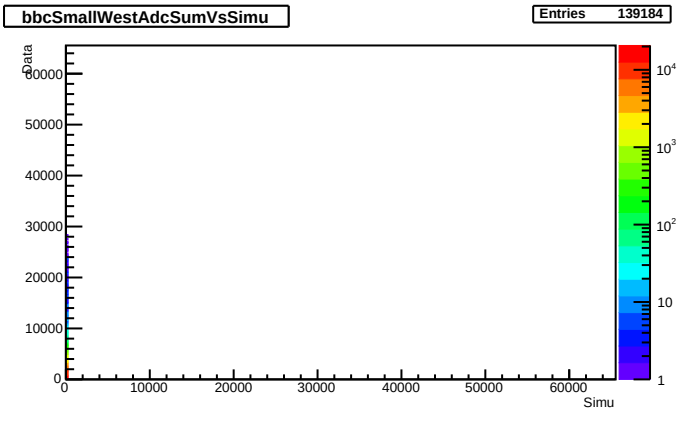

bbcSmallWestAdcSum
Entries 160806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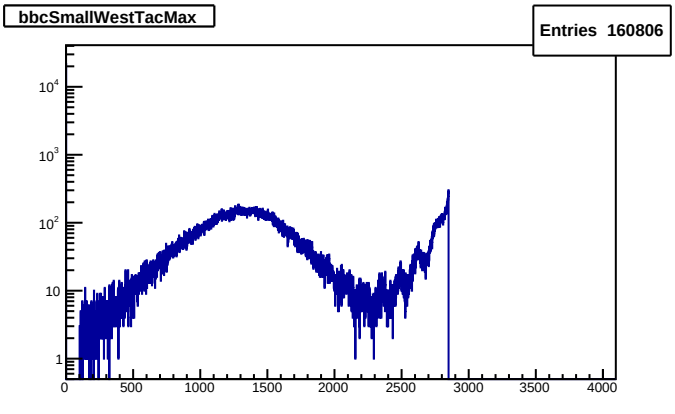
Entries 139184
Data
Simu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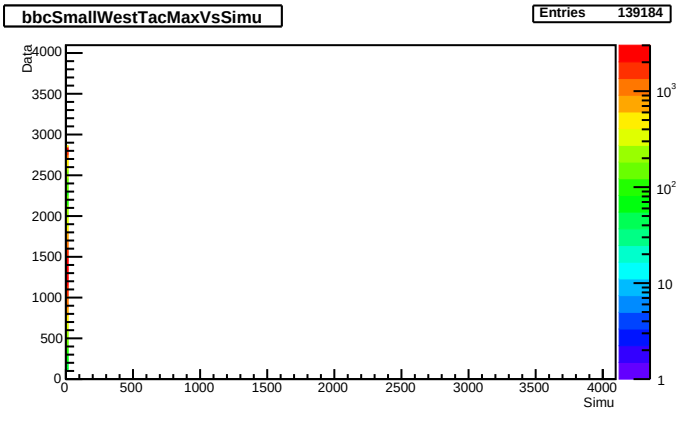
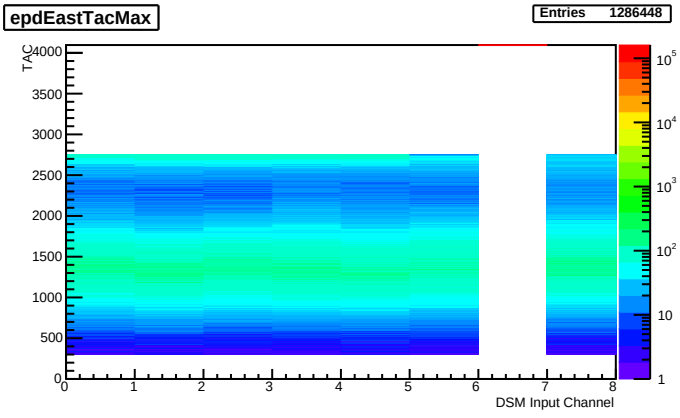
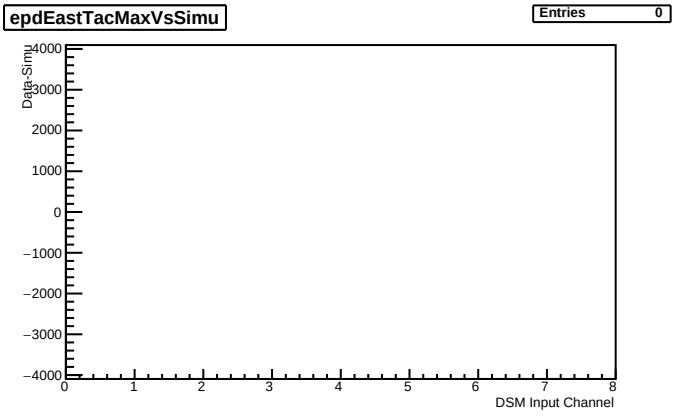
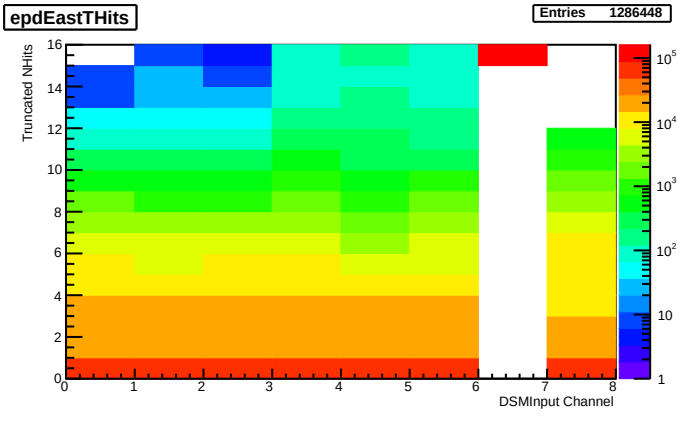
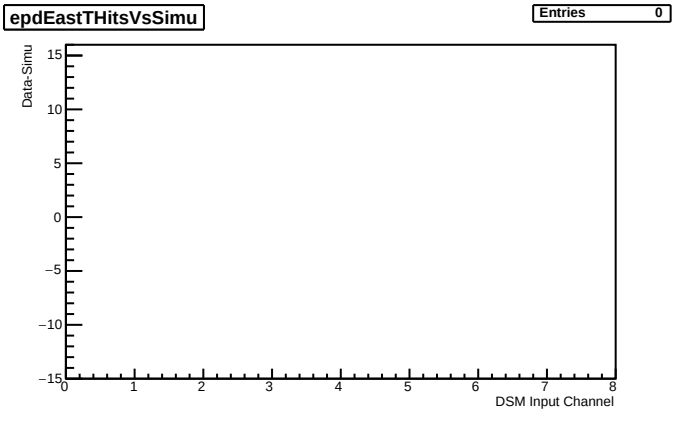
Entries 160806


bbcSmallWestTacMaxVsSimu
Entries 139184
Data
Simu


epdEastTacMax
Entries 1286448
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1286448
Truncated NHits
DSMInput Channel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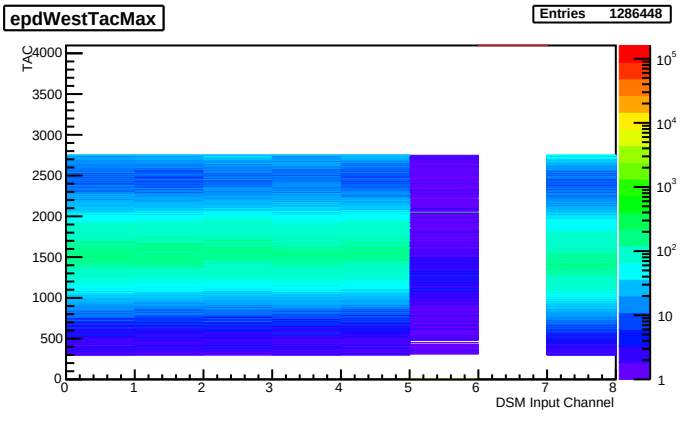
Data-Simu
DSM Input Channel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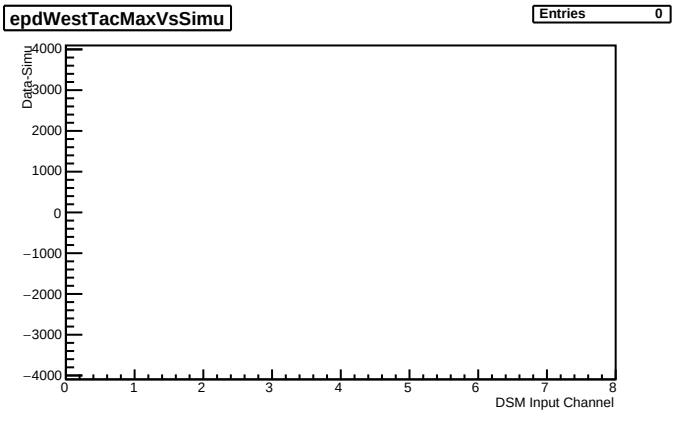
Entries 1286448
TAC
DSM Input Channel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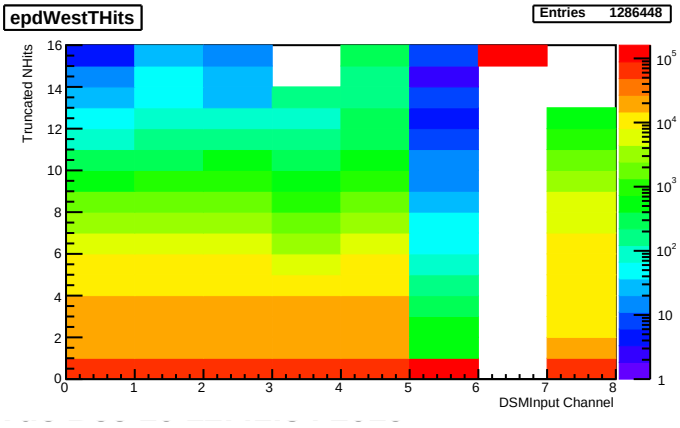
Entries 0
Data-Simu
DSM Input Channel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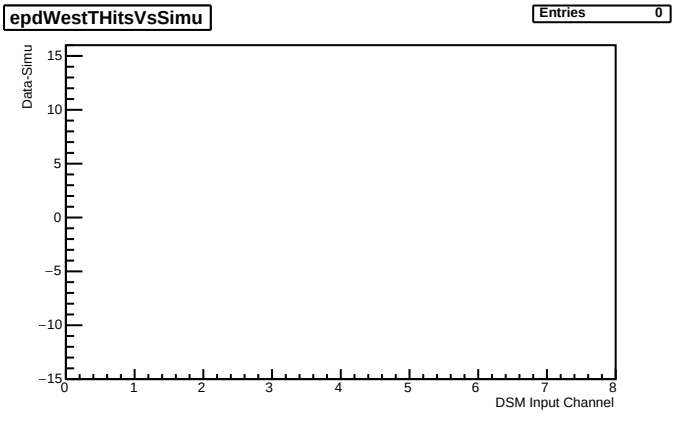
Entries 1286448
Truncated NHits
DSMInput Channel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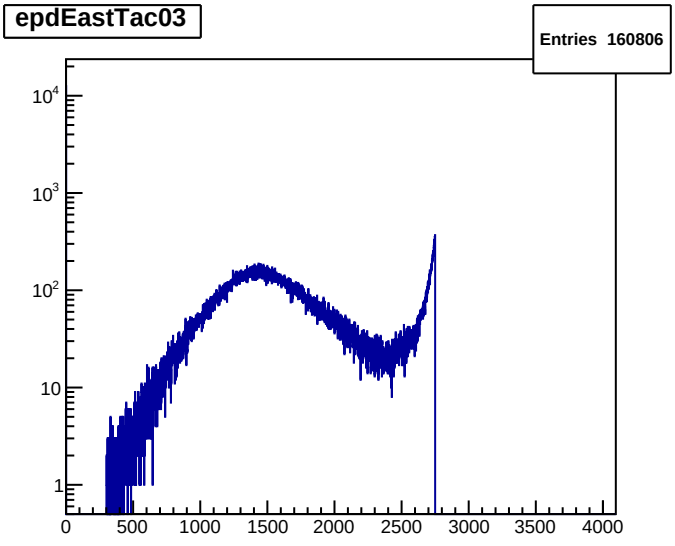
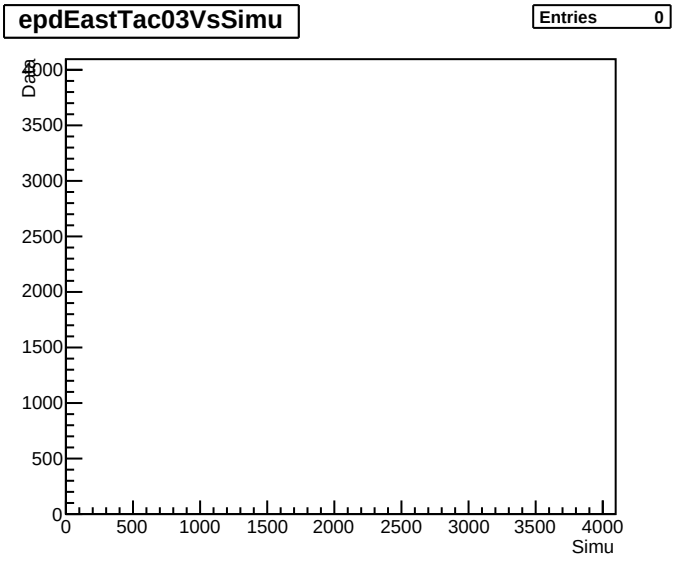
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 160806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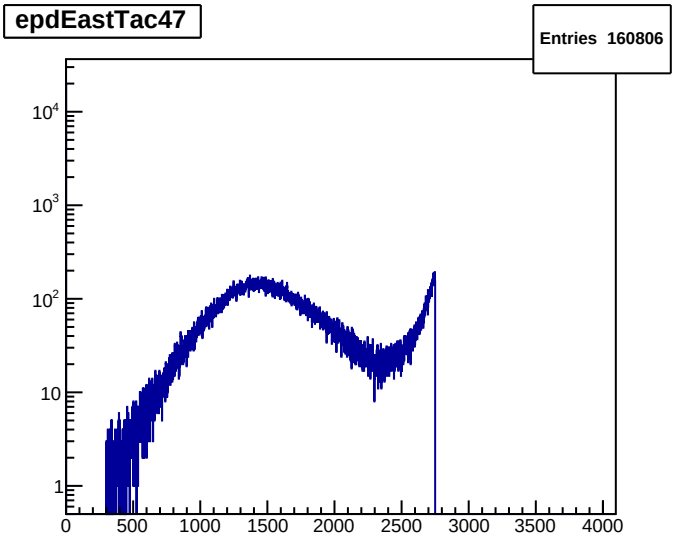
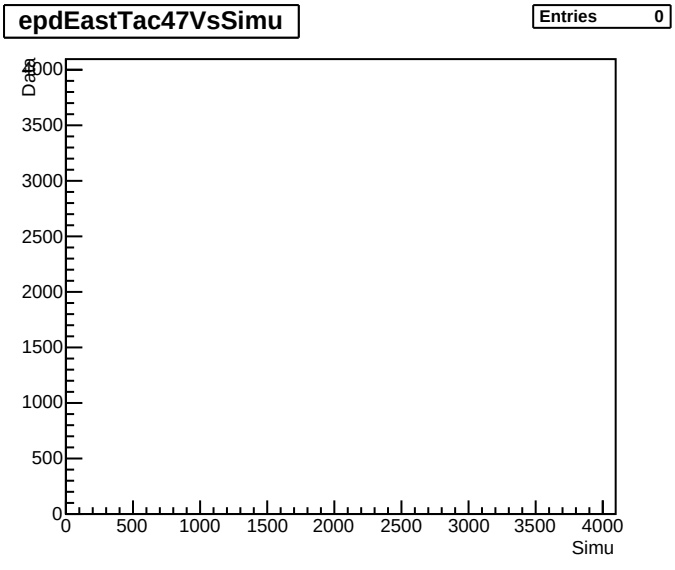
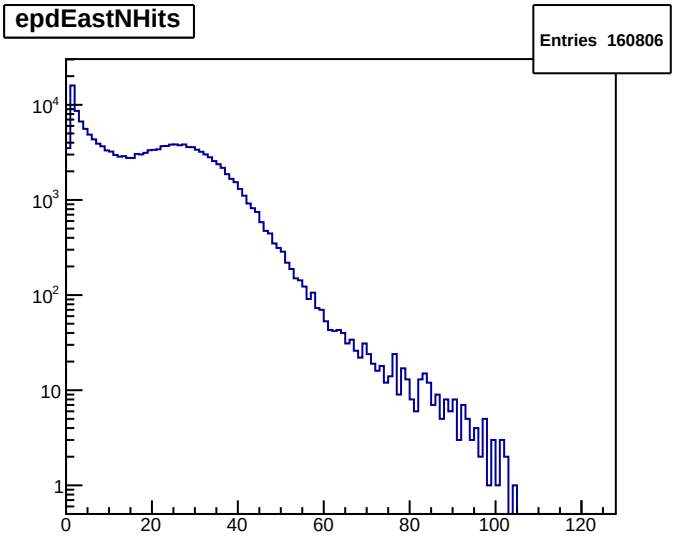
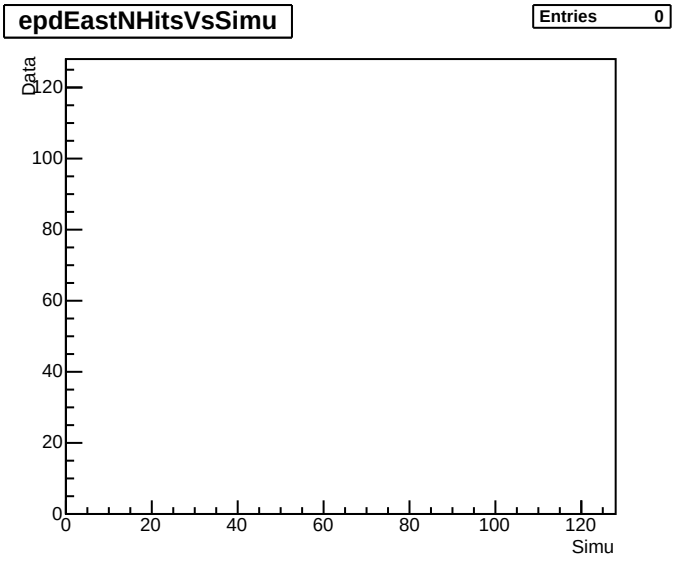
Entries 0
Data
Simu


epdEastTac47
Entries 160806


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 160806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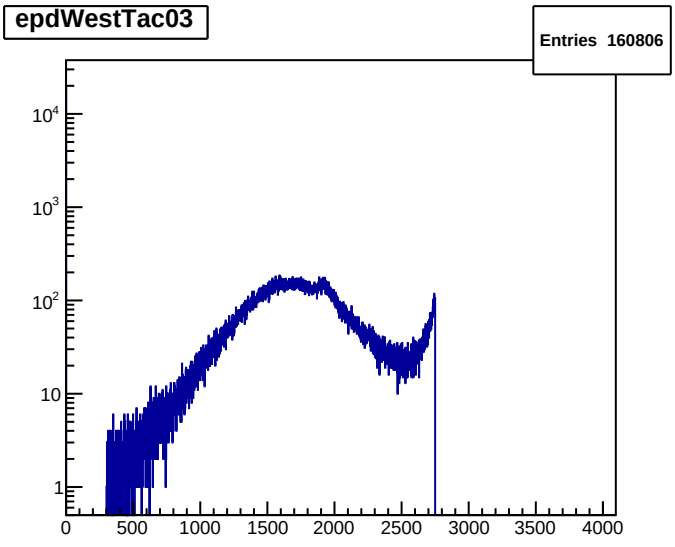
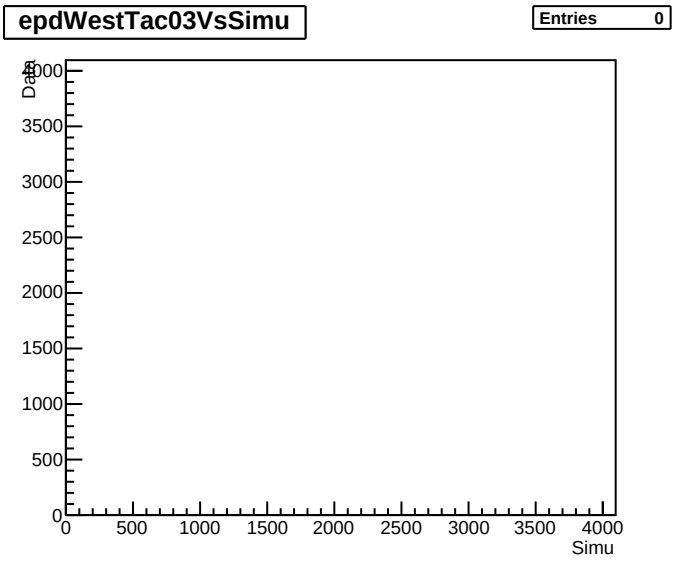
Entries 0
Data
Simu


epdWestTac03
Entries 160806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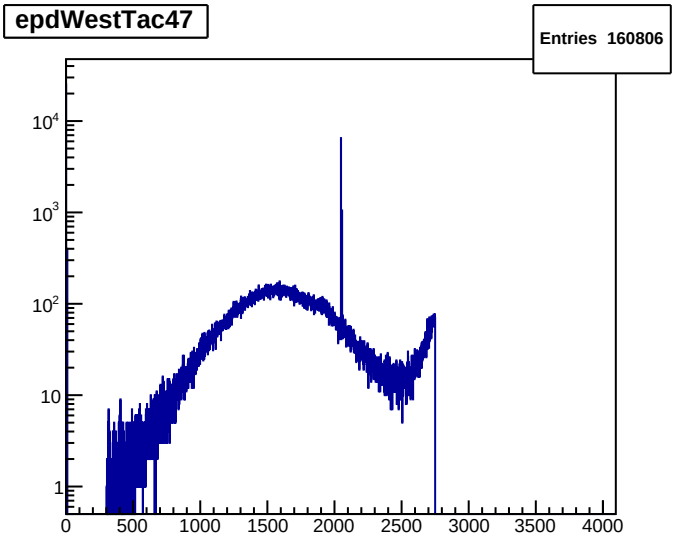
Entries 0
Data
Simu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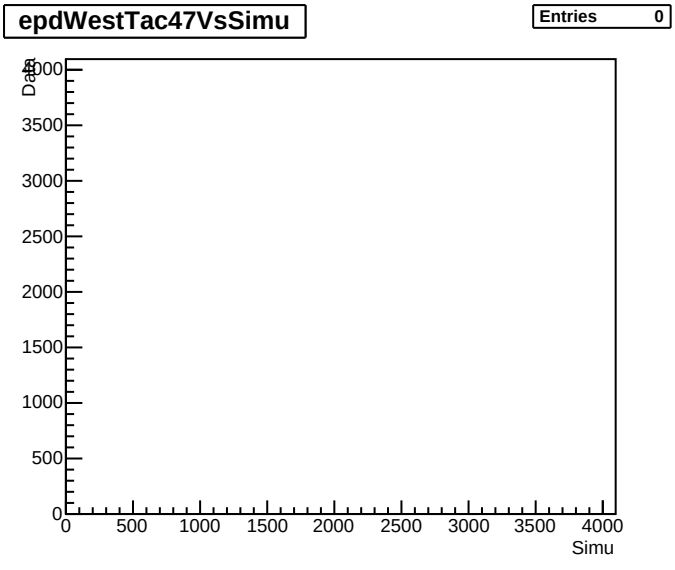
Entries 160806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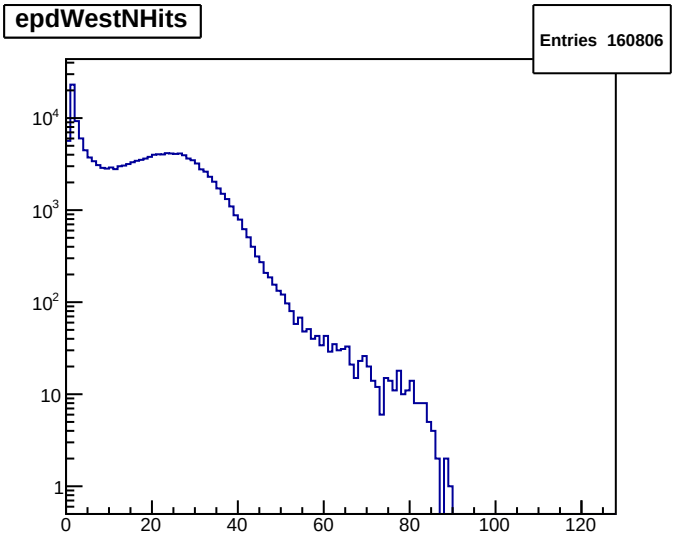
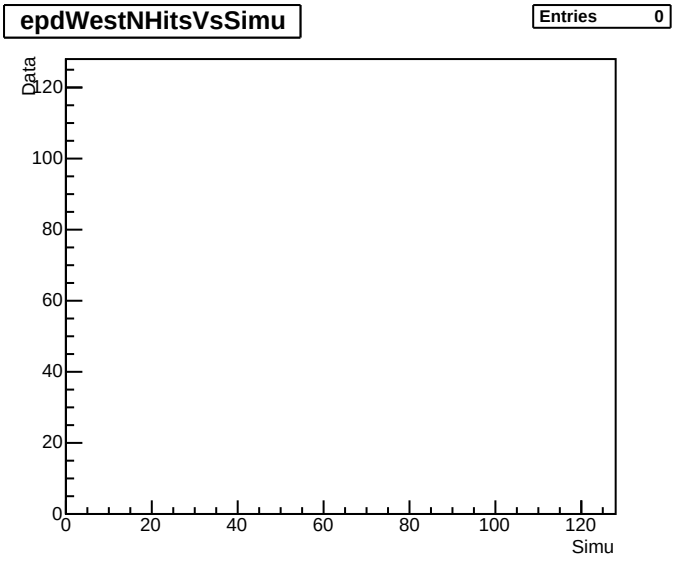
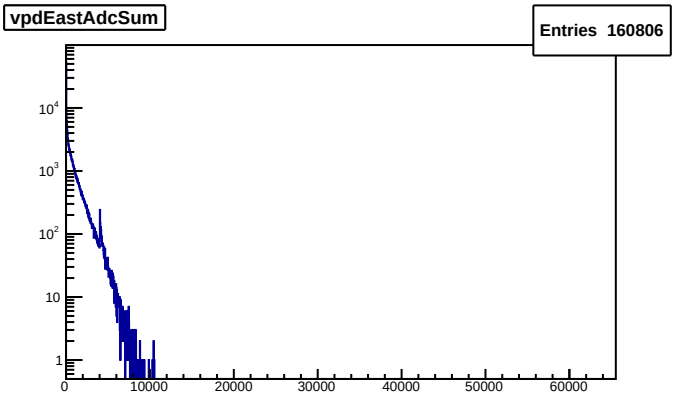
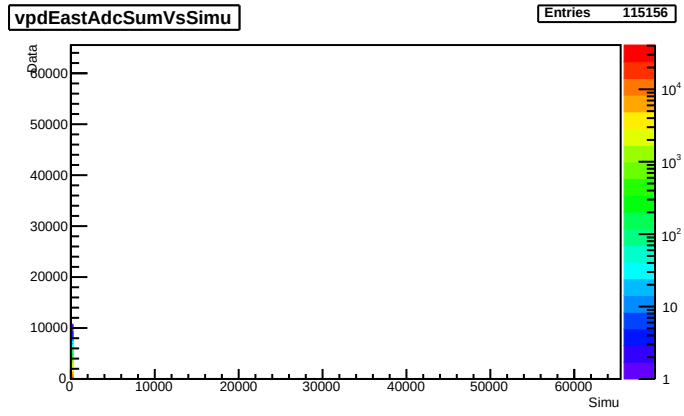
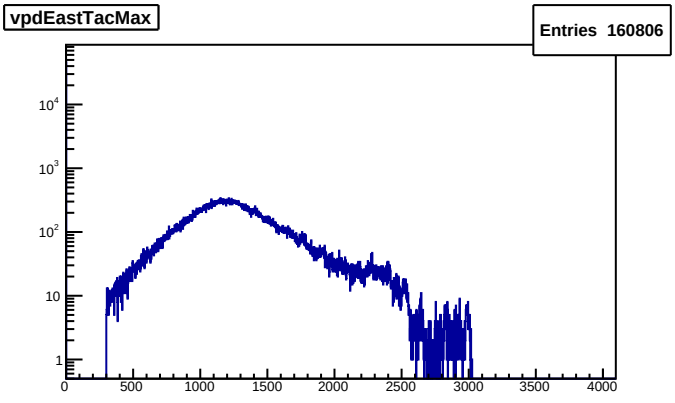
Entries 0
Data
Simu

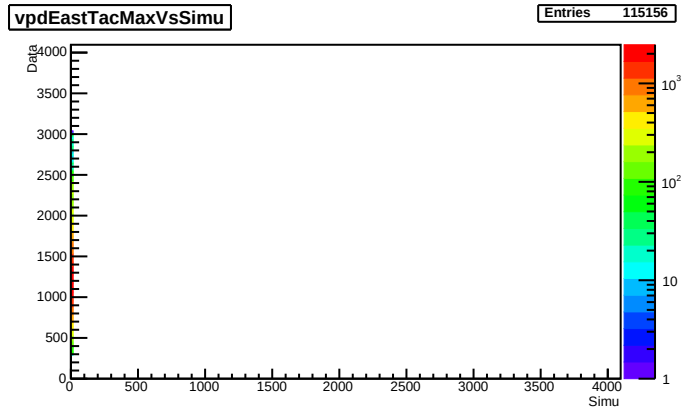

epdWestNHits
Entries 160806

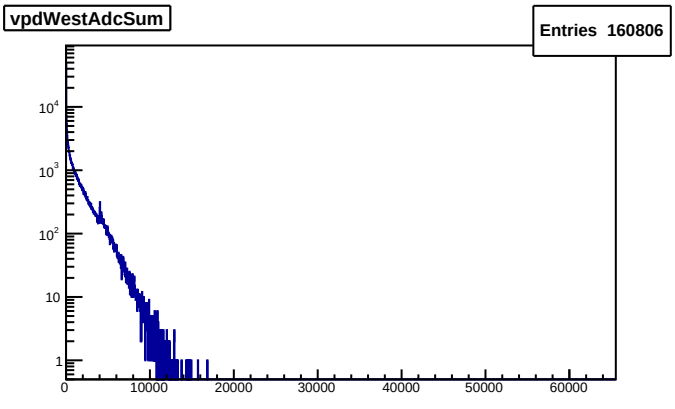

epdWestNHitsVsSimu
Entries 0
Data
Simu

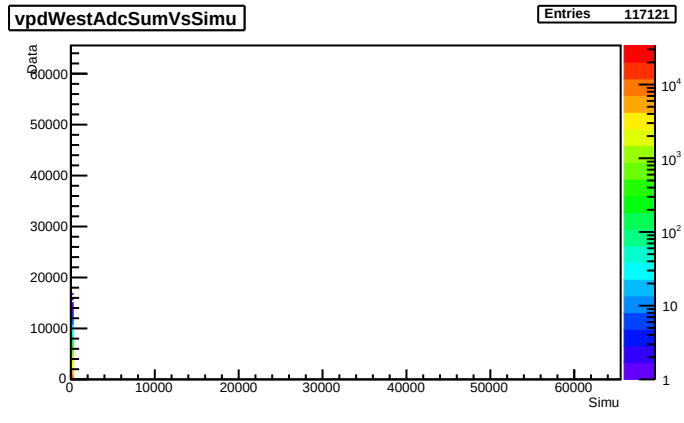

vpdEastAdcSum
Entries 160806

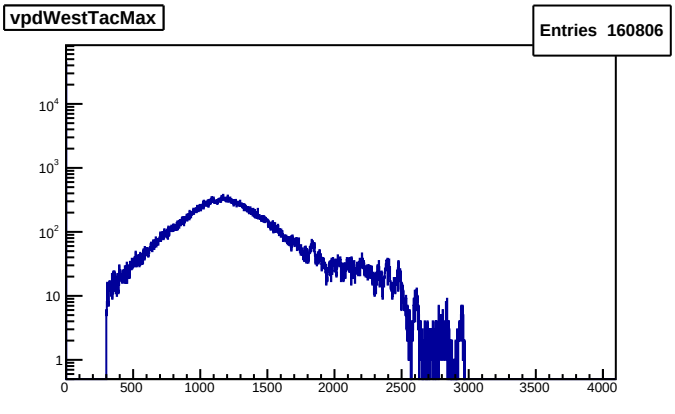

vpdEastAdcSumVsSimu
Entries 115156
Data
Simu

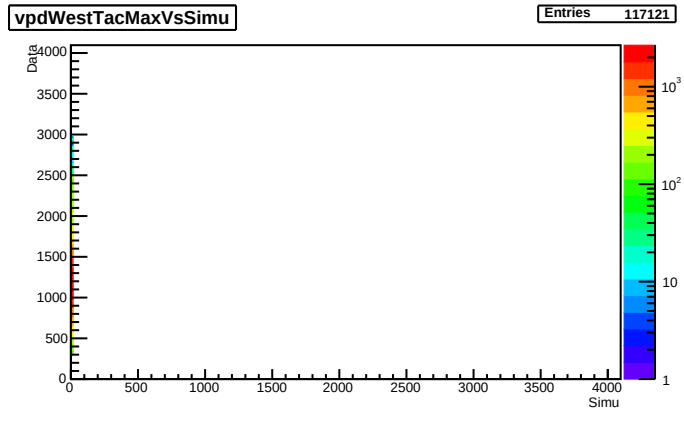

vpdEastTacMax
Entries 160806

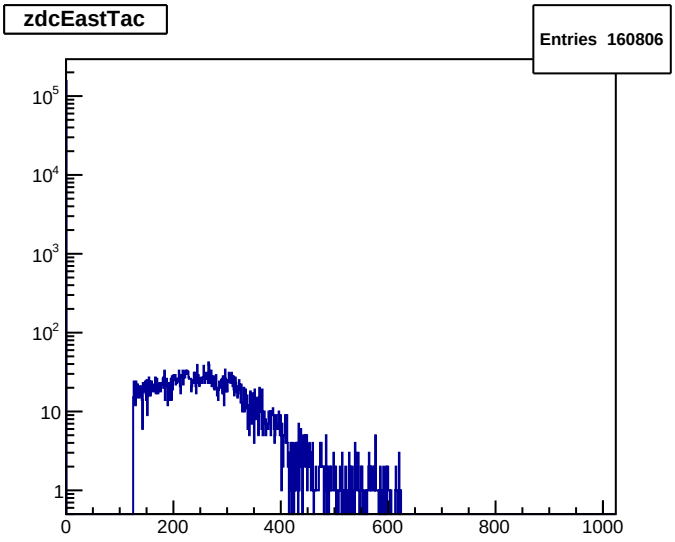

vpdEastTacMaxVsSimu
Entries 115156
Data
Simu

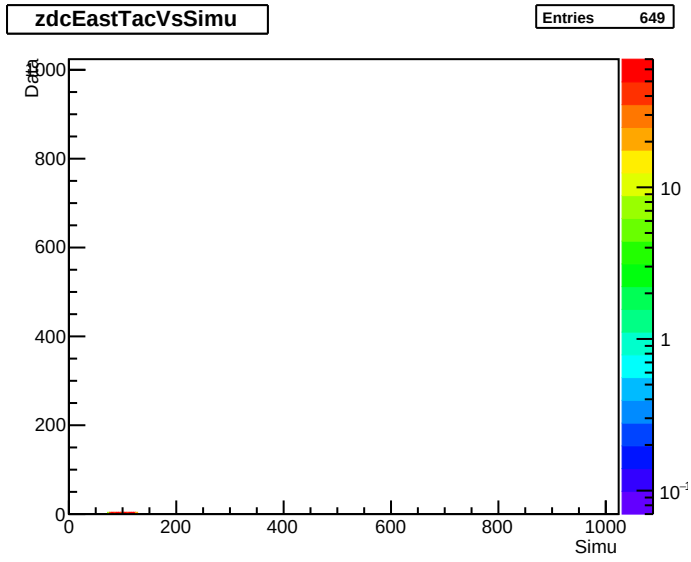

vpdWestAdcSum
Entries 160806

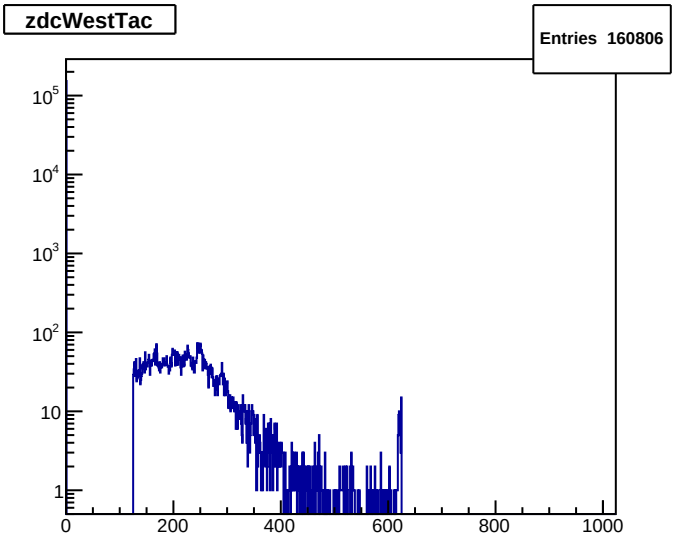

vpdWestAdcSumVsSimu
Entries 117121
Data
Simu

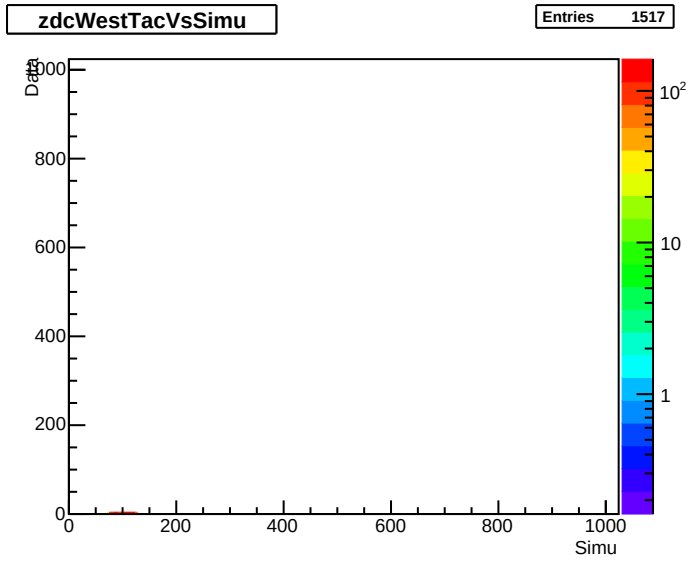

vpdWestTacMax
Entries 160806

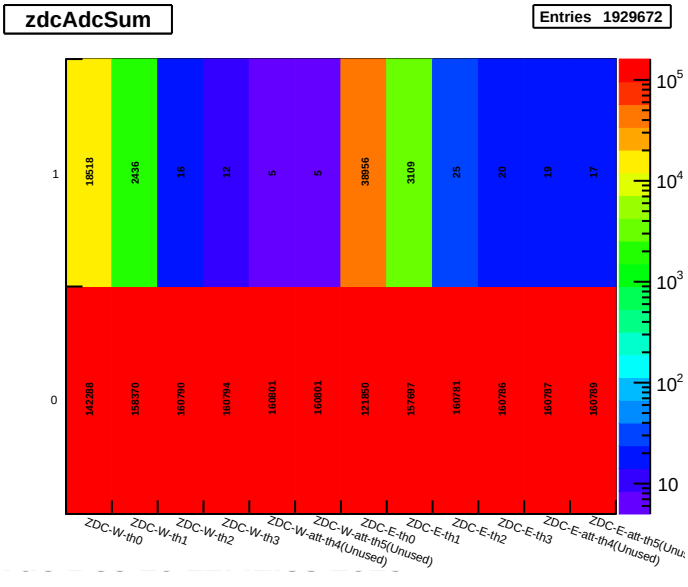

vpdWestTacMaxVsSimu
Entries 117121
Data
Simu

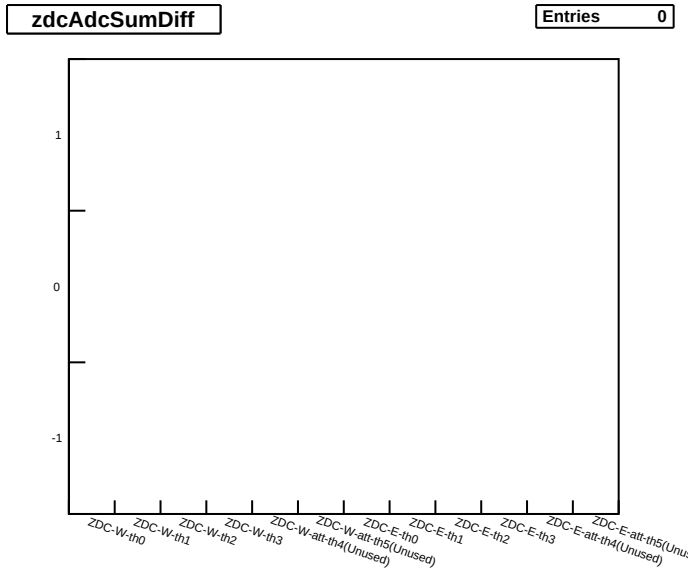

zdcEastTac
Entries 160806

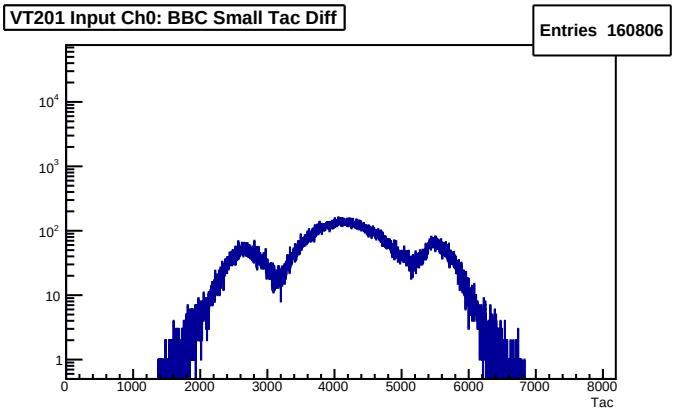

zdcEastTacVsSimu
Entries 649
Data
Simu

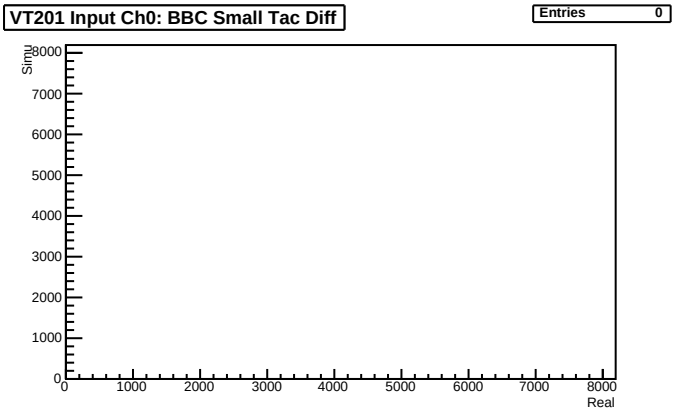

zdcWestTac
Entries 160806

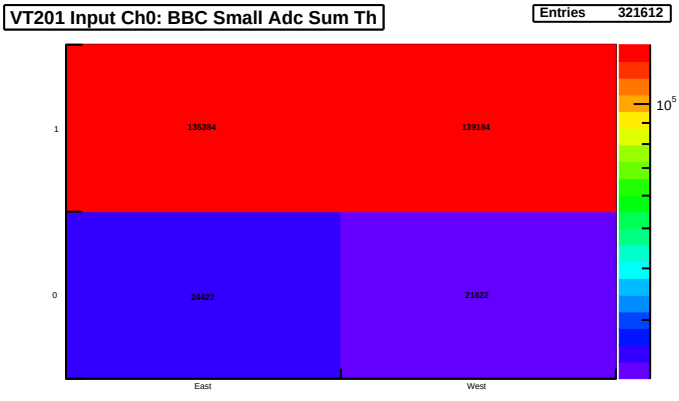

zdcWestTacVsSimu
Entries 1517
Data
Simu

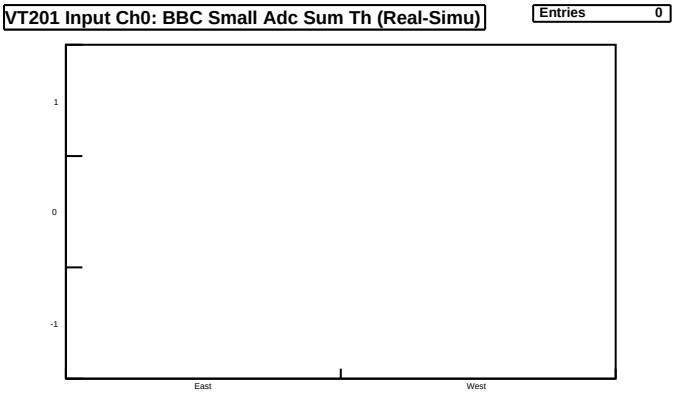

zdcAdcSum
Entries 1929672
18518
2436
16
12
5
5
38956
3109
25
20
19
17
142288
158370
160790
160794
160801
160801
121850
157697
160781
160786
160787
160789
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

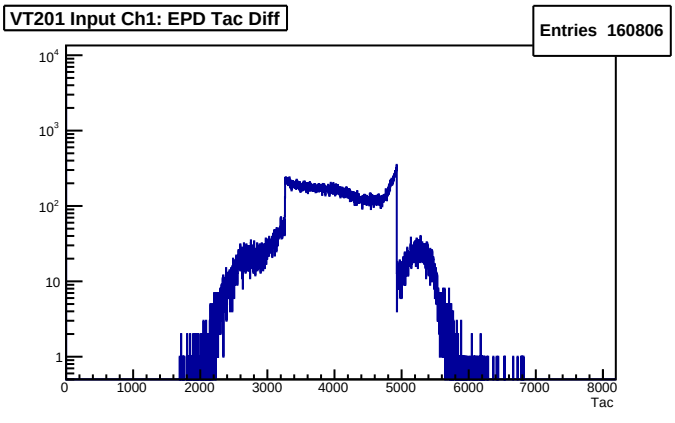

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

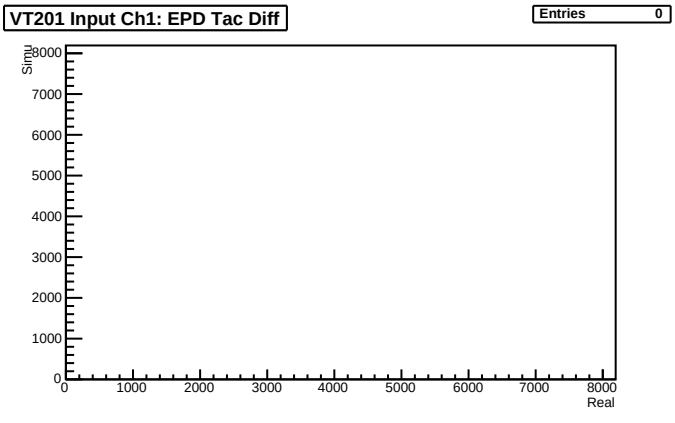

VT201 Input Ch0: BBC Small Tac Diff
Entries 160806
Tac

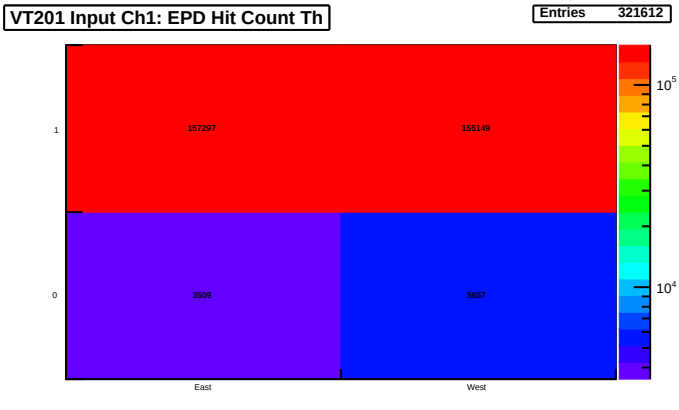

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

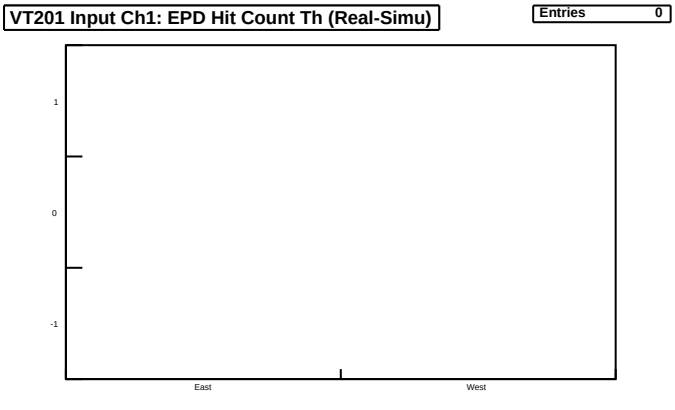

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 321612
136384
139184
24422
21622
East
West

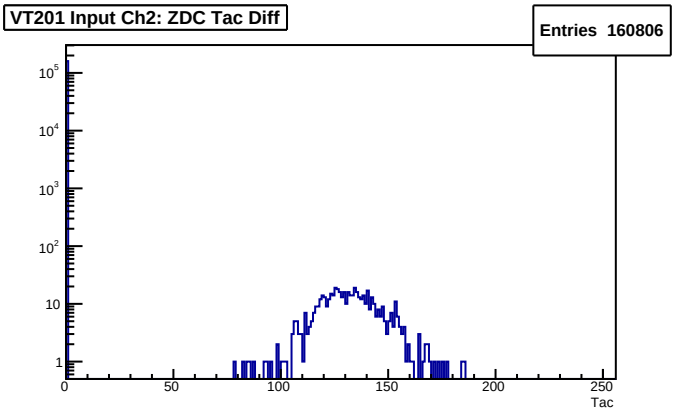

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

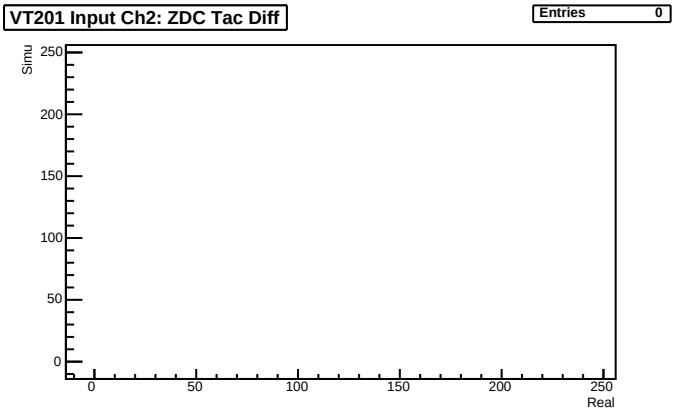

VT201 Input Ch1: EPD Tac Diff
Entries 160806
Tac

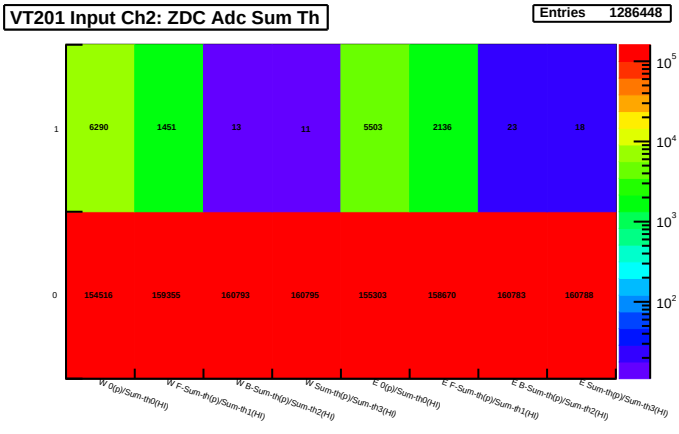

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

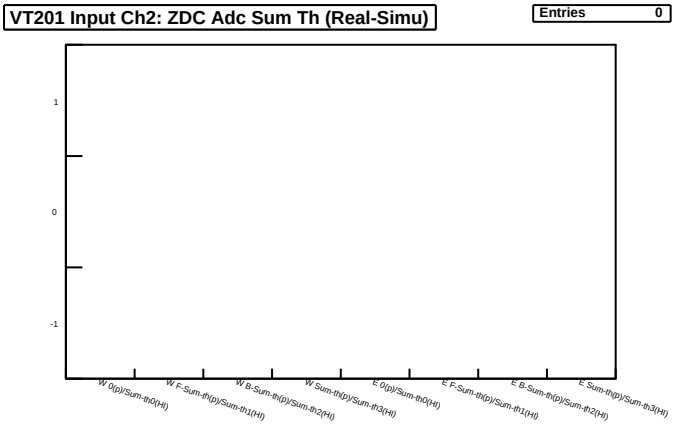

VT201 Input Ch1: EPD Hit Count Th
Entries 321612
157297
155149
3509
5657
East
West

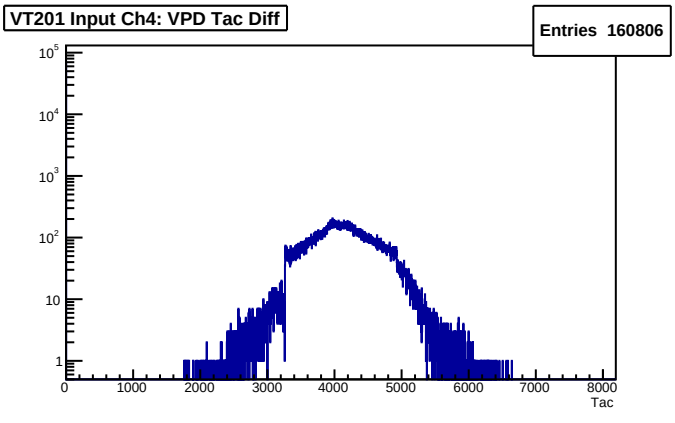

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

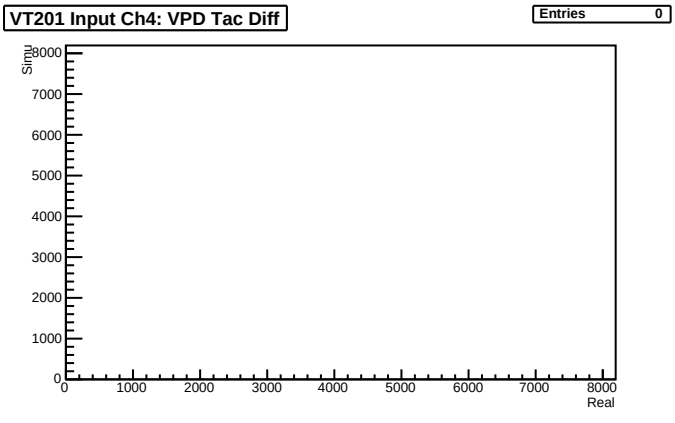

VT201 Input Ch2: ZDC Tac Diff
Entries 160806
Tac

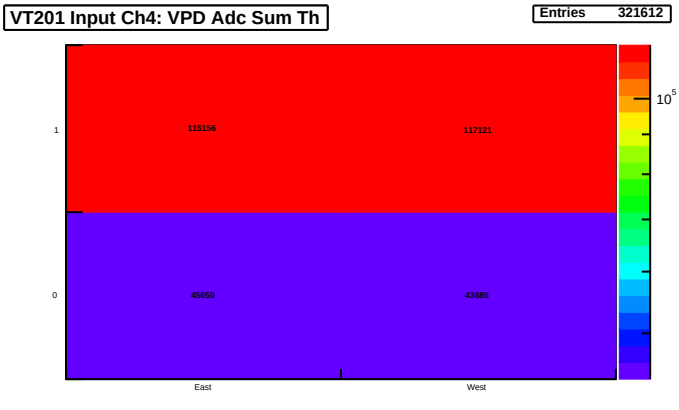

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

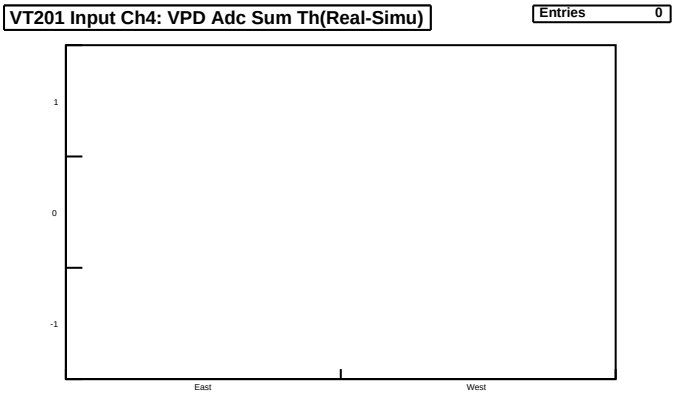

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1286448
6290
1451
13
11
5503
2136
23
18
154516
159355
160793
160795
155303
158670
160783
160788
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

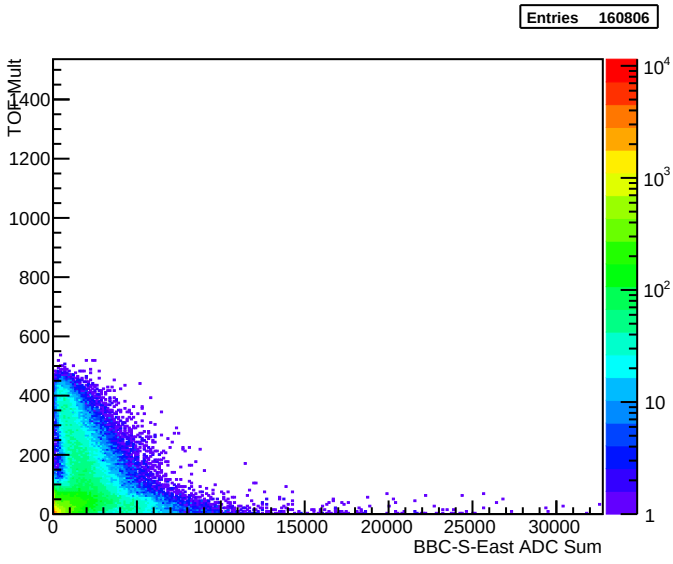

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

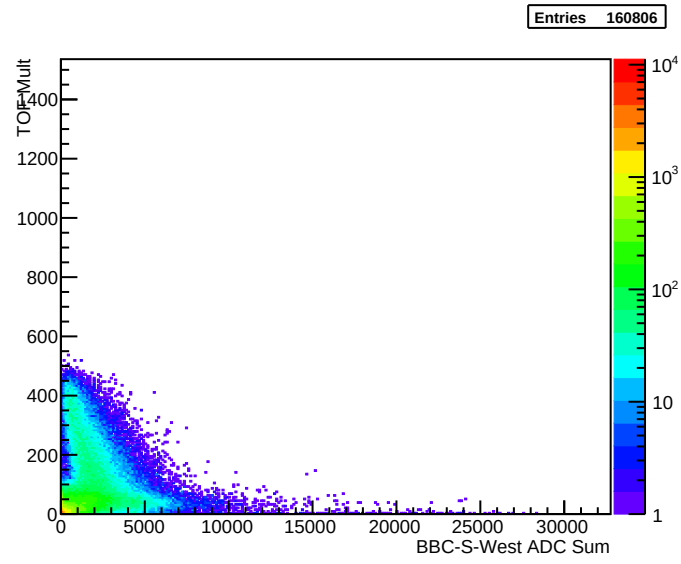

VT201 Input Ch4: VPD Tac Diff
Entries 160806
Tac

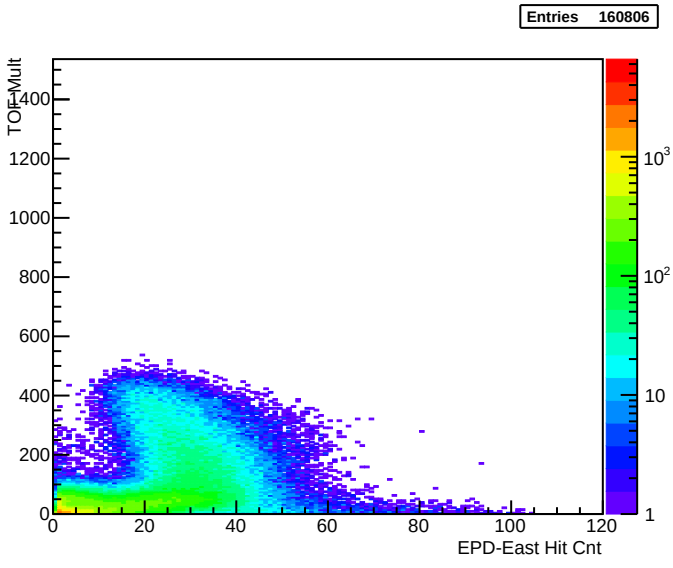

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

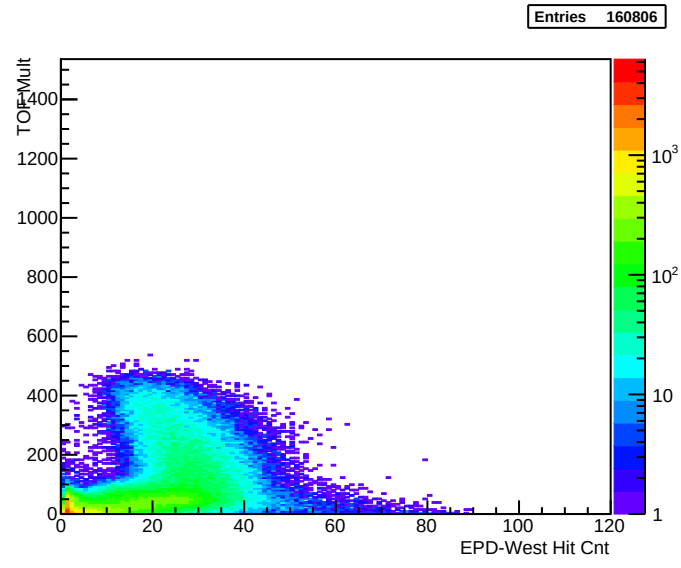

VT201 Input Ch4: VPD Adc Sum Th
Entries 321612
115156
117121
45650
43685
East
West

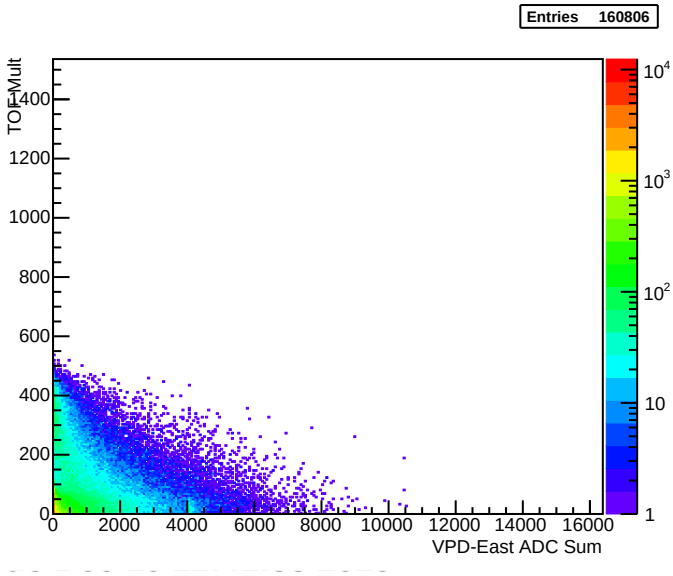

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

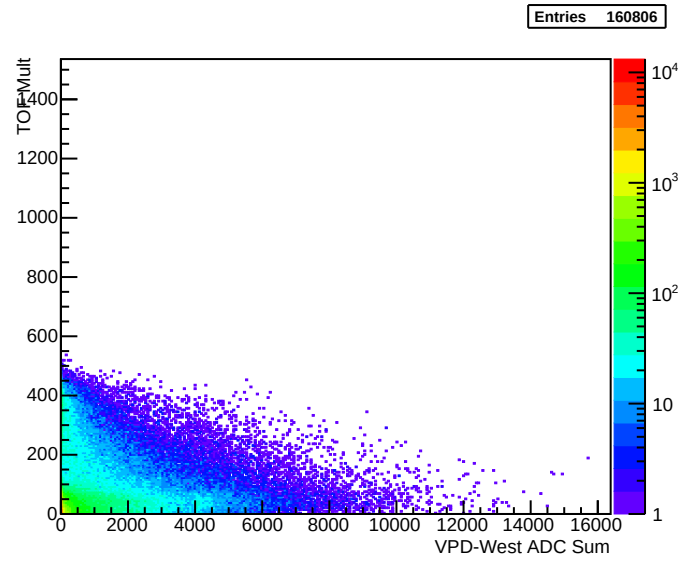

Entries 160806
TOF-Mult
BBC-S-East ADC Sum

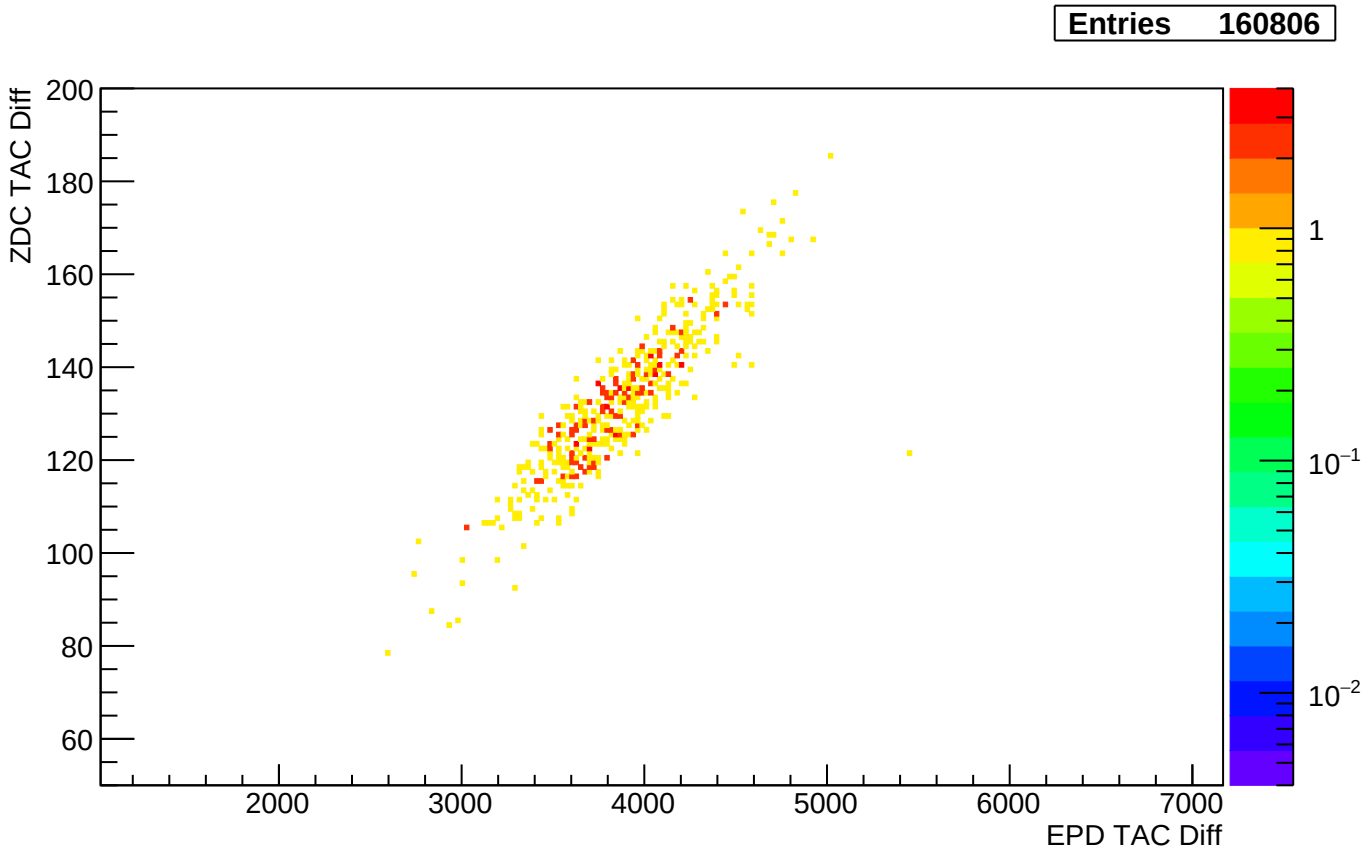

Entries 160806
TOF-Mult
BBC-S-West ADC Sum

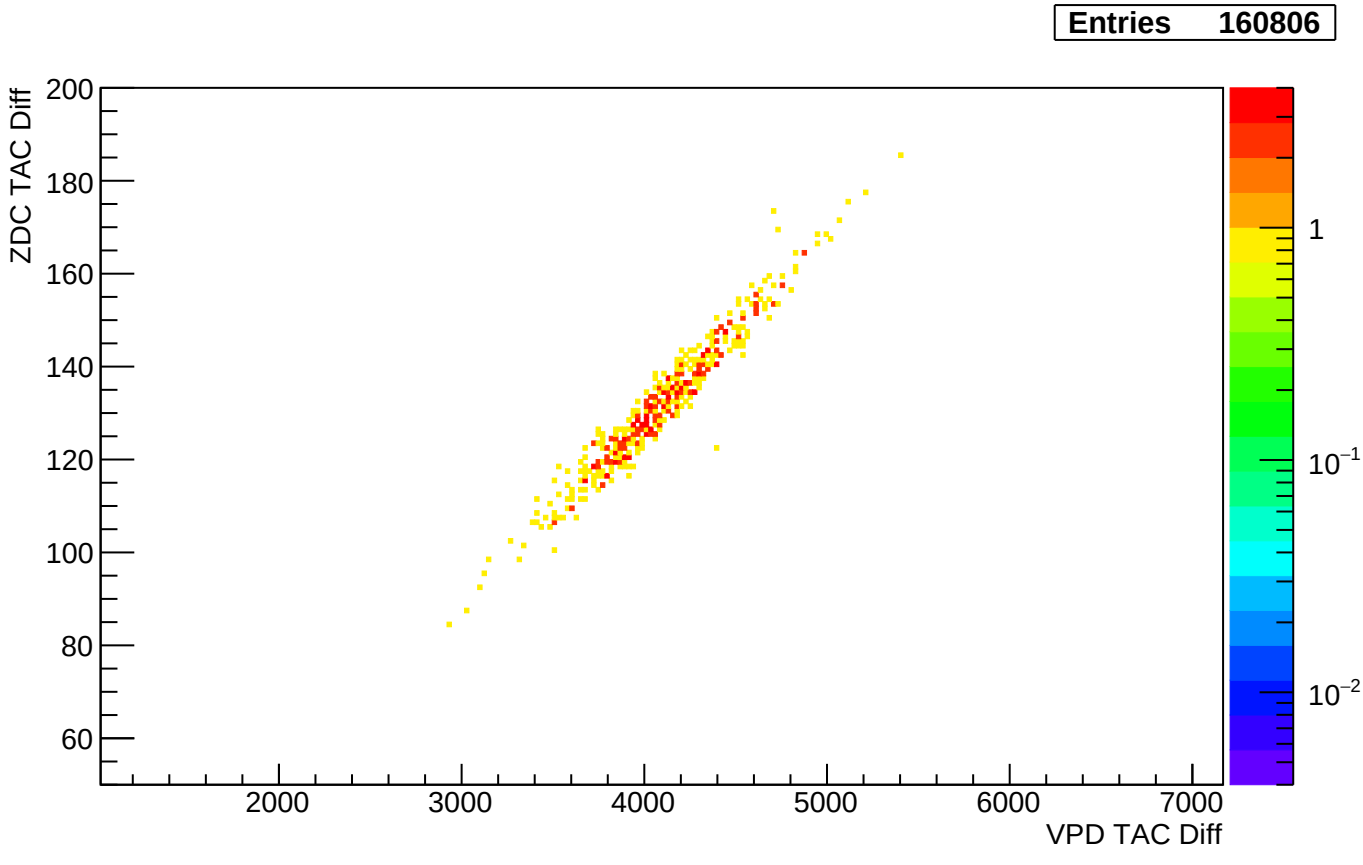

Entries 160806
TOF-Mult
EPD-East Hit Cnt

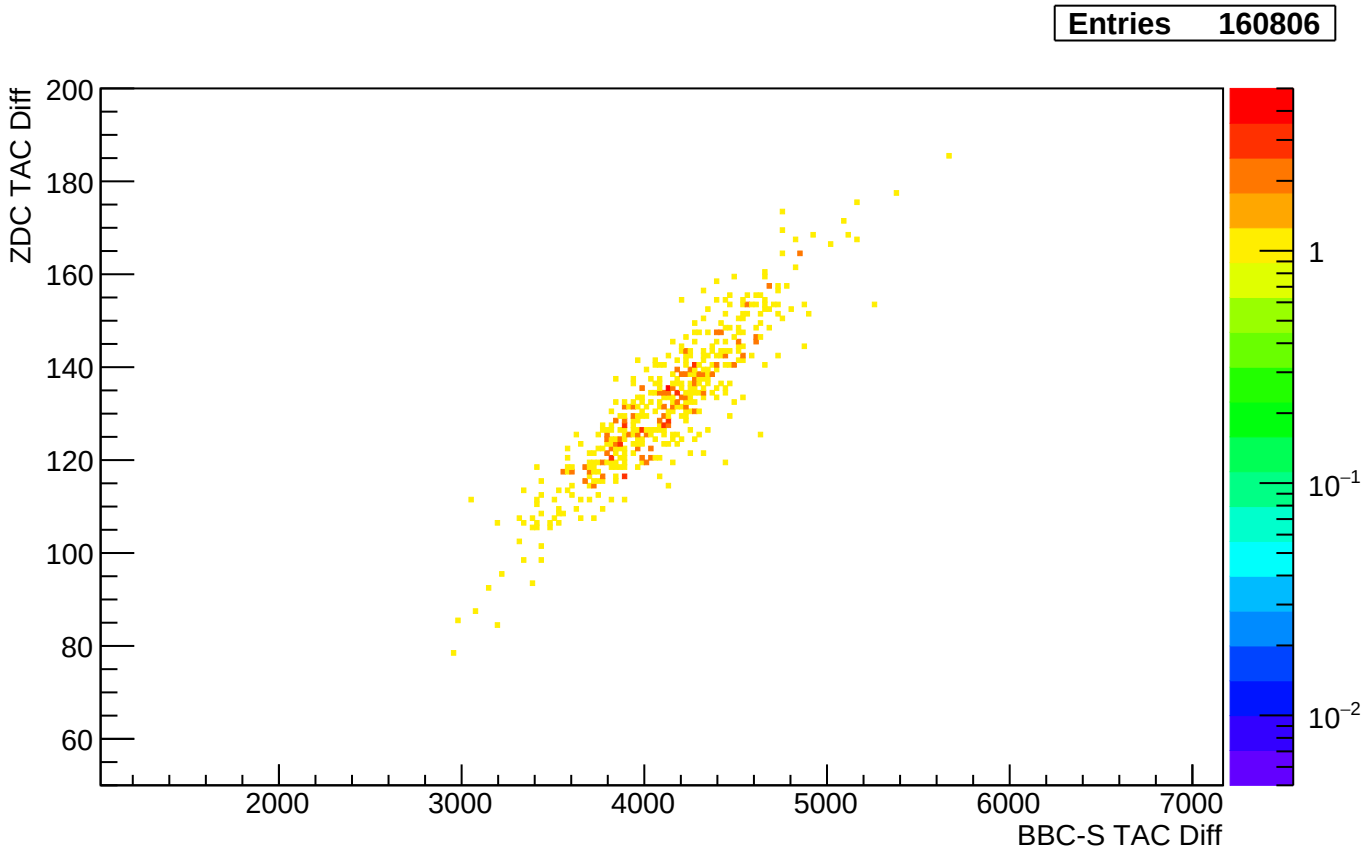

Entries 160806
TOF-Mult
EPD-West Hit Cnt

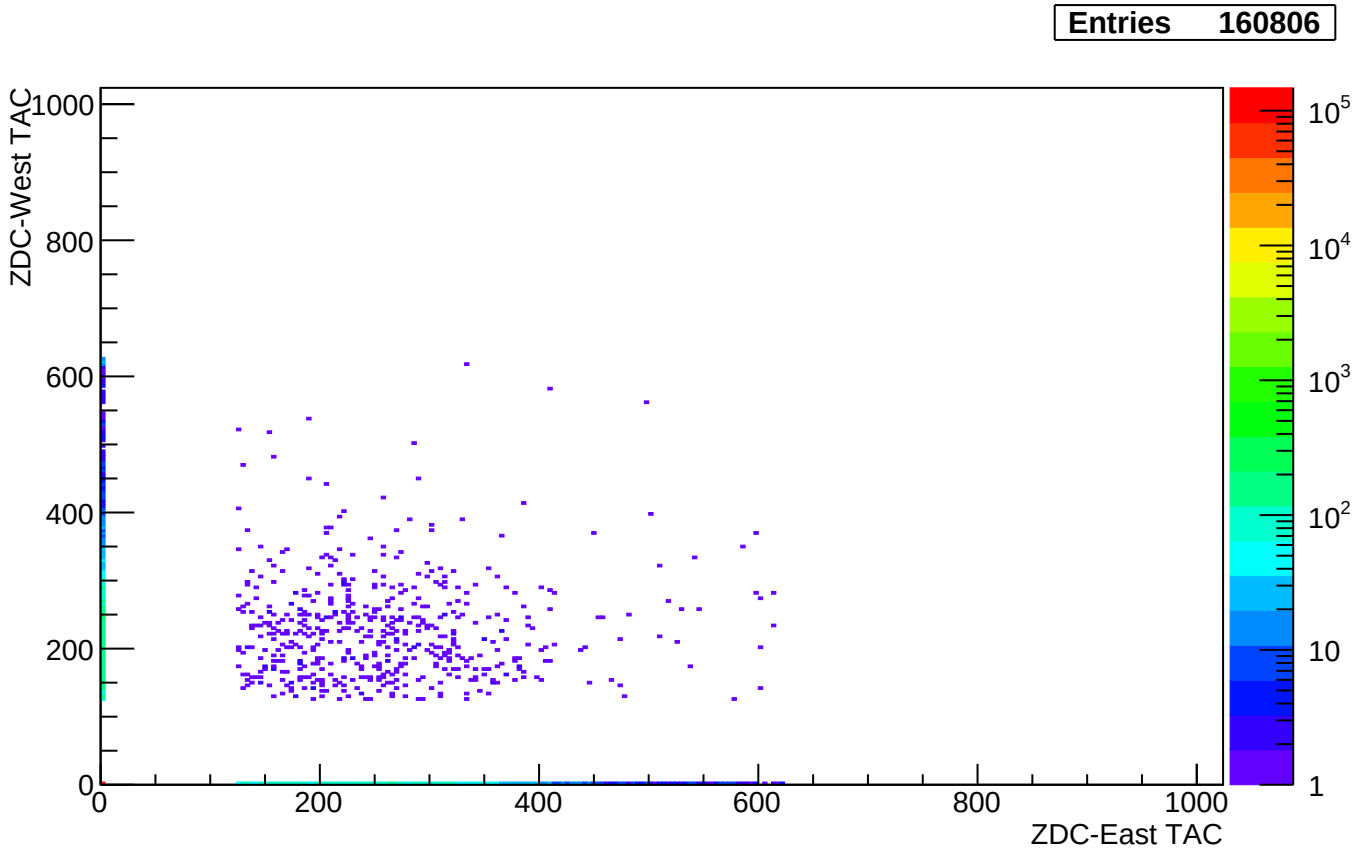

Entries 160806
TOF-Mult
VPD-East ADC Sum

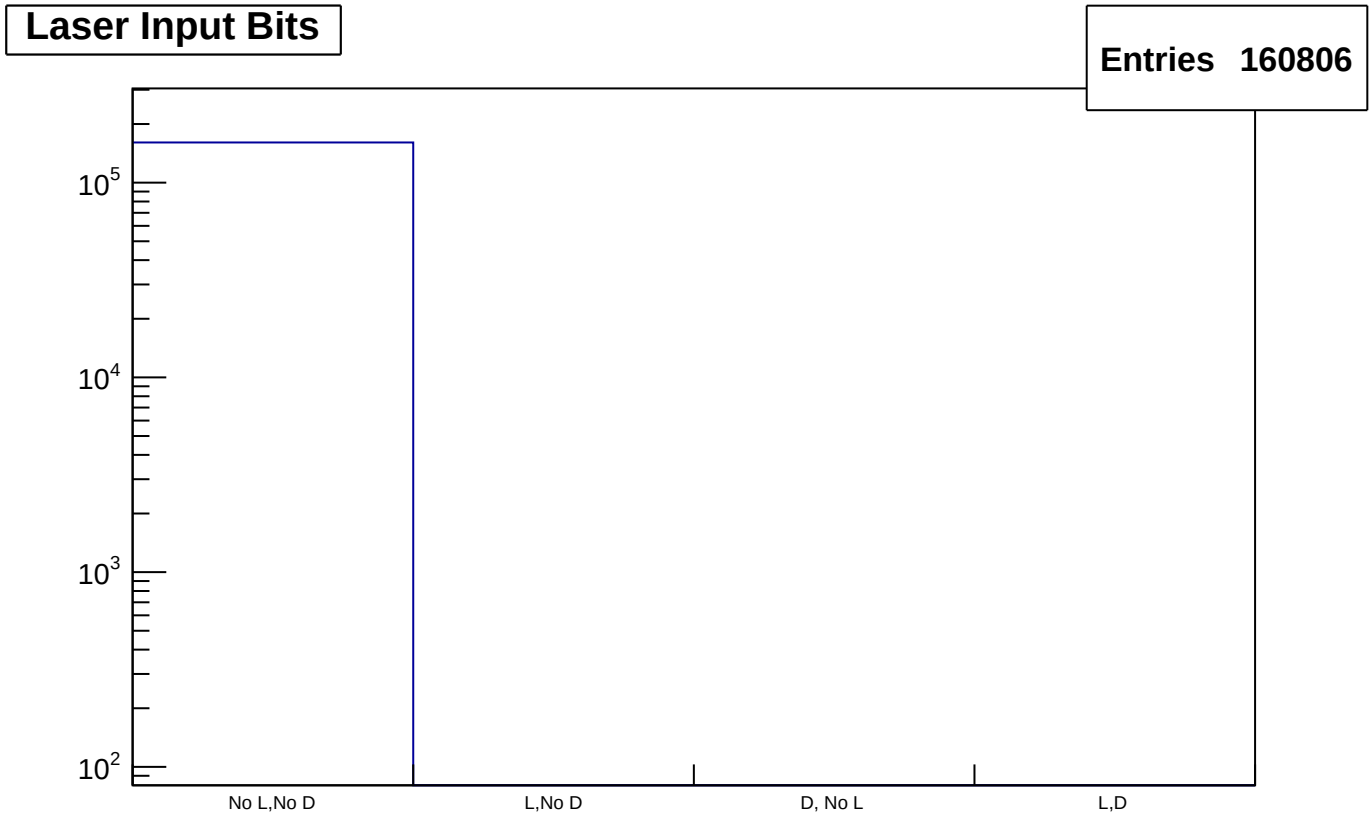

Entries 160806
TOF-Mult
VPD-West ADC Sum

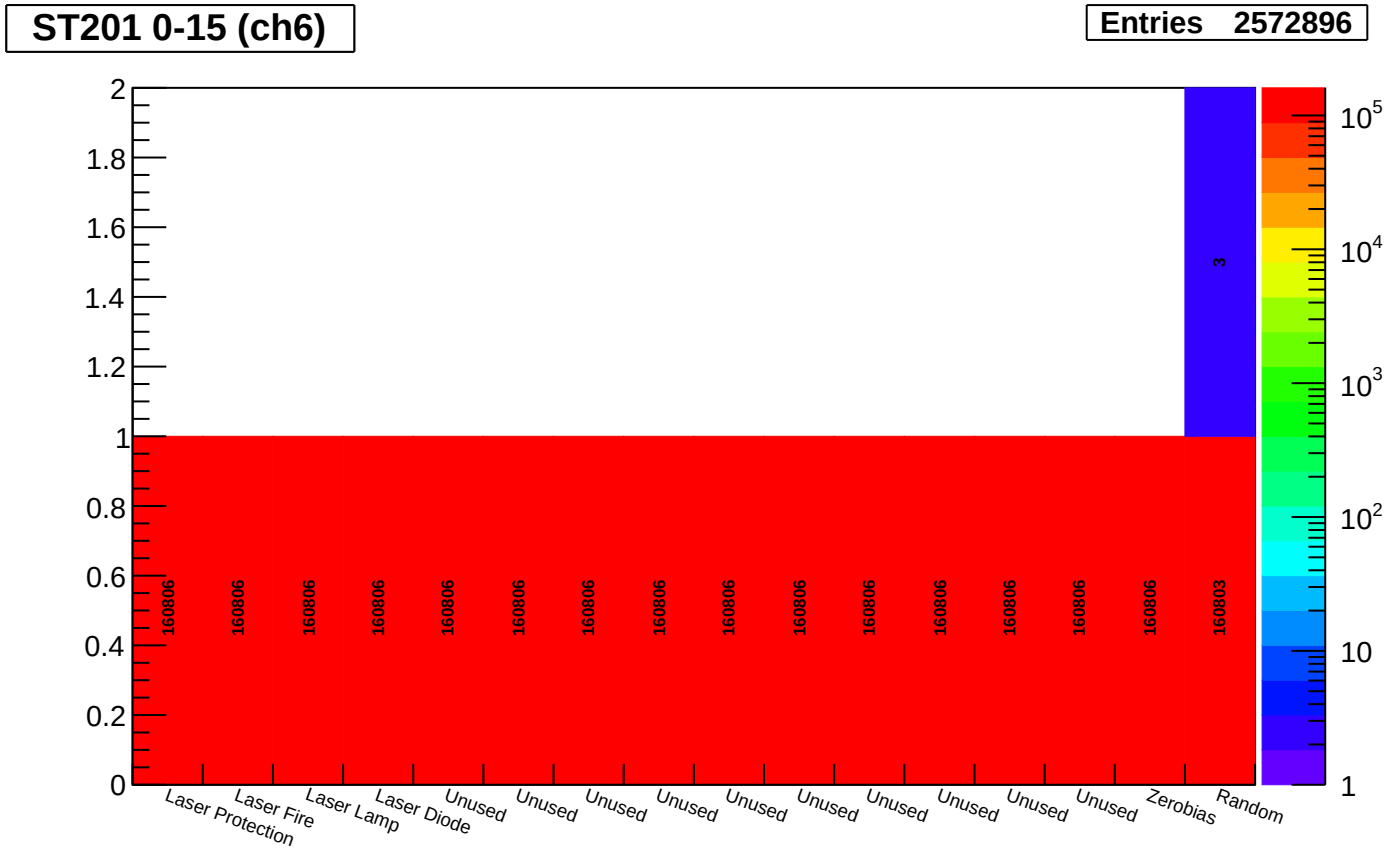

Entries 160806
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

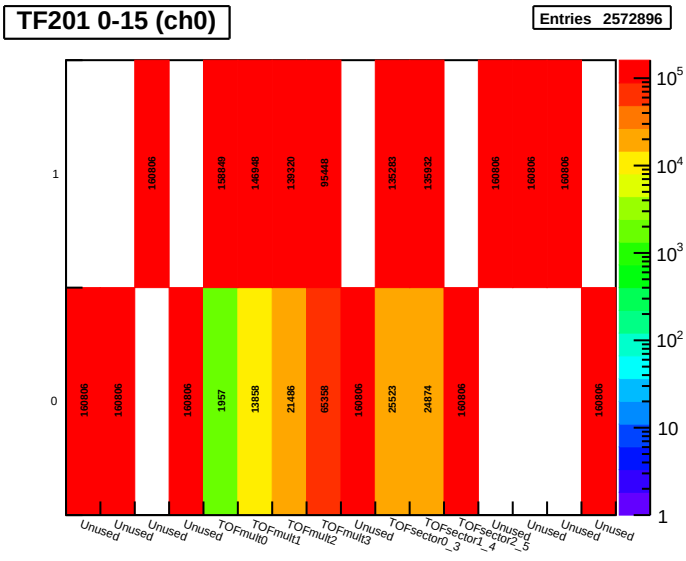

Entries 160806
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

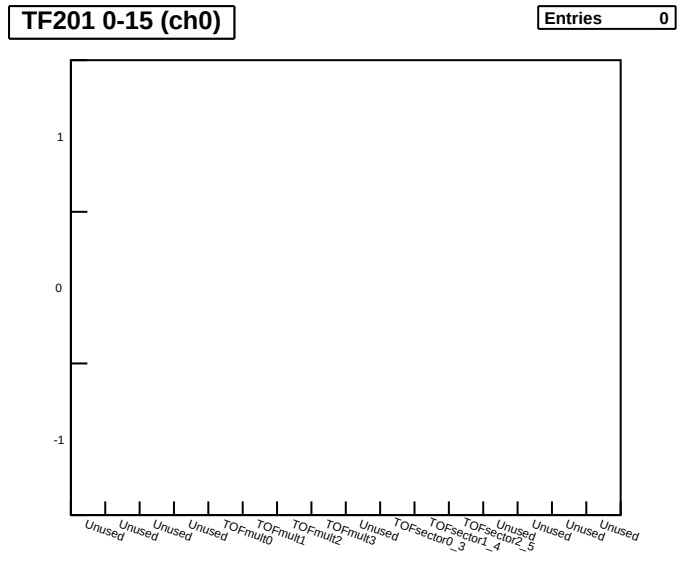

Entries 160806
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

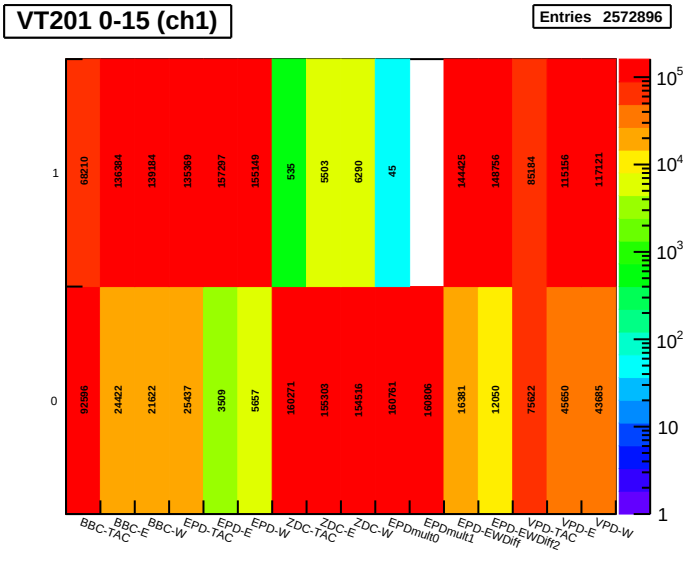

Entries 160806
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

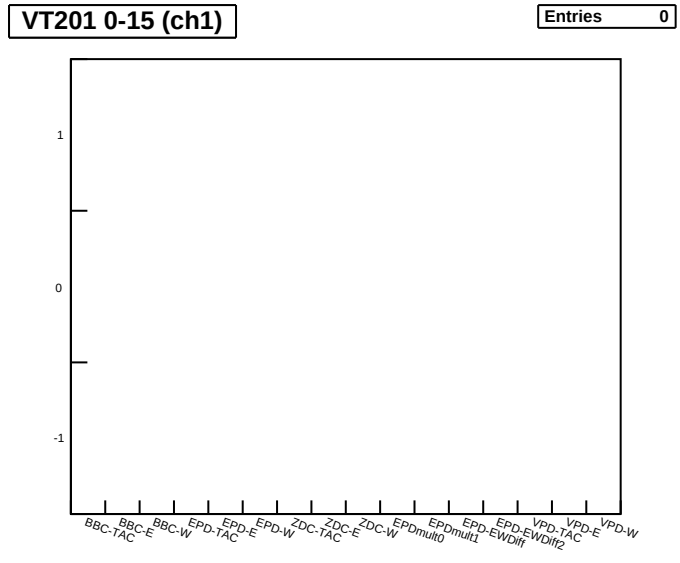

Laser Input Bits
Entries 160806
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

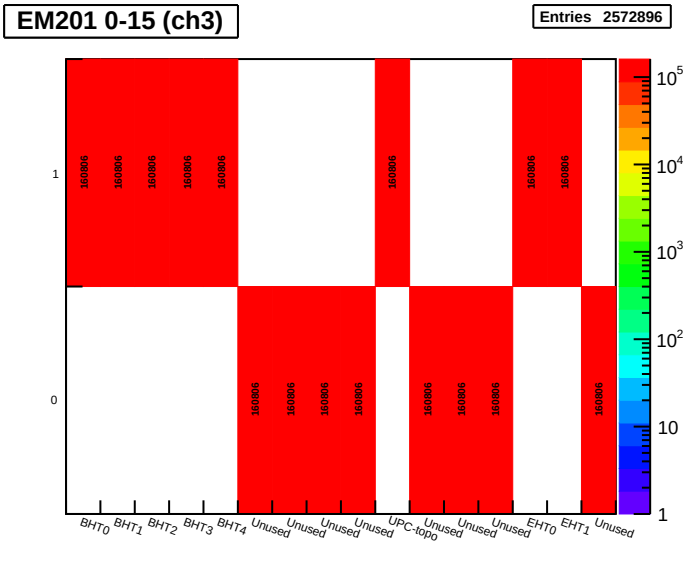

ST201 0-15 (ch6)
Entries 2572896
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
160806
160803
3
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

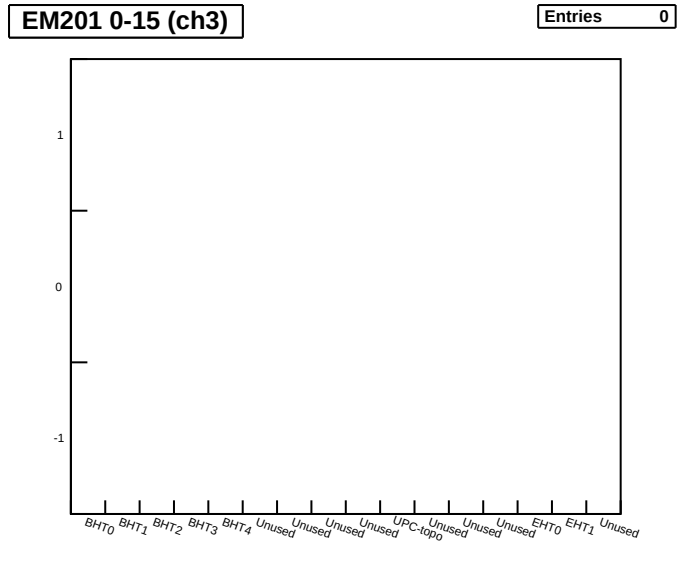

TF201 0-15 (ch0)
Entries 2572896
1
0
160806
160806
160806
160806
138849
146948
139320
95448
135283
135932
160806
160806
160806
160806
160806
1957
13858
21486
65358
160806
25523
24874
160806
160806
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 2572896
1
0
68210
136384
139184
135369
157297
155149
535
5503
6290
45
144425
148756
85184
115156
117121
92596
24422
21622
25437
3509
5657
160271
155303
154516
160761
160806
16381
12060
75622
45660
43685
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 2572896
1
0
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
160806
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