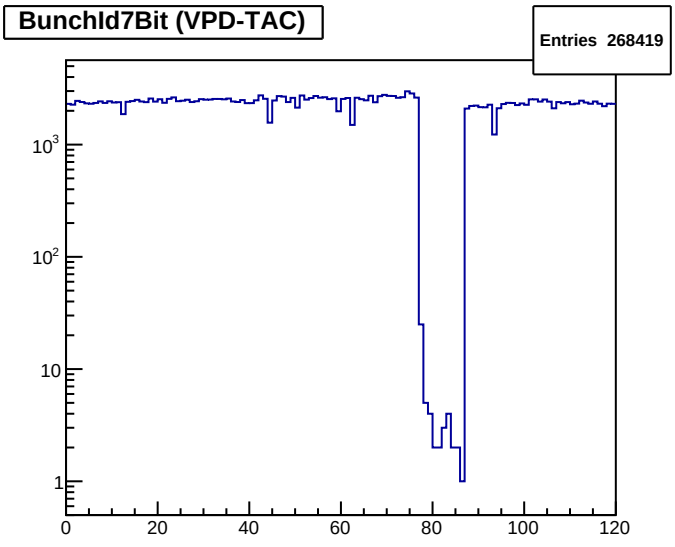
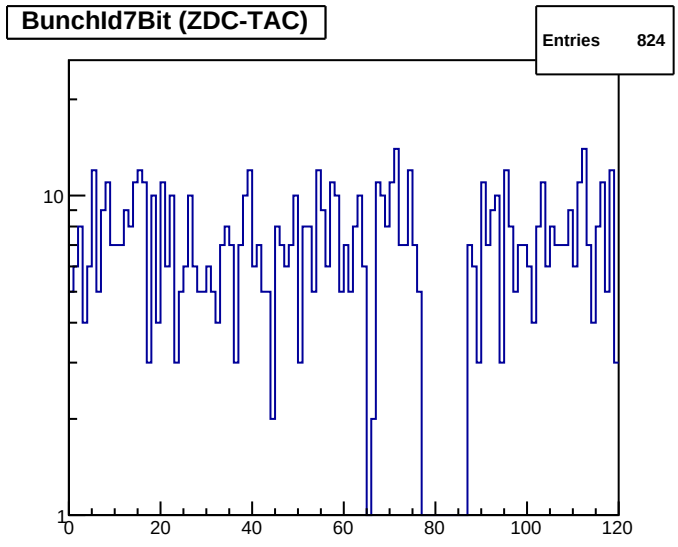
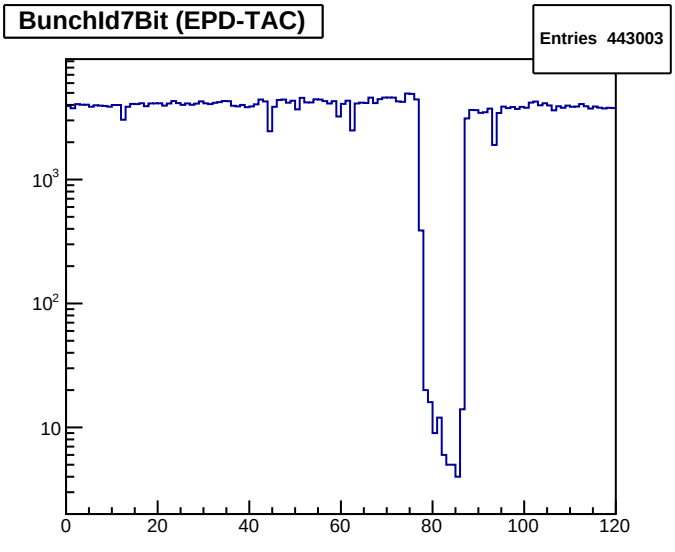
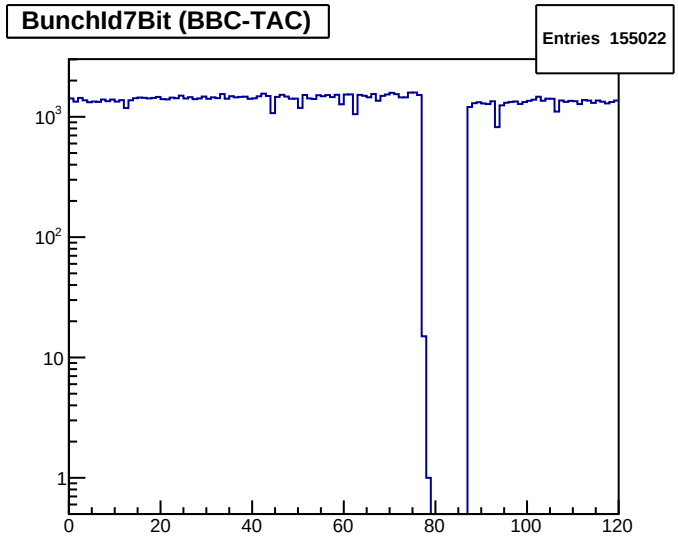
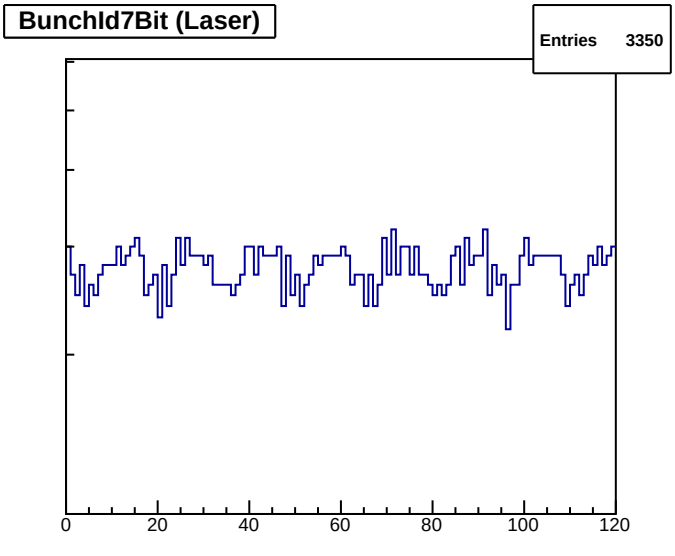
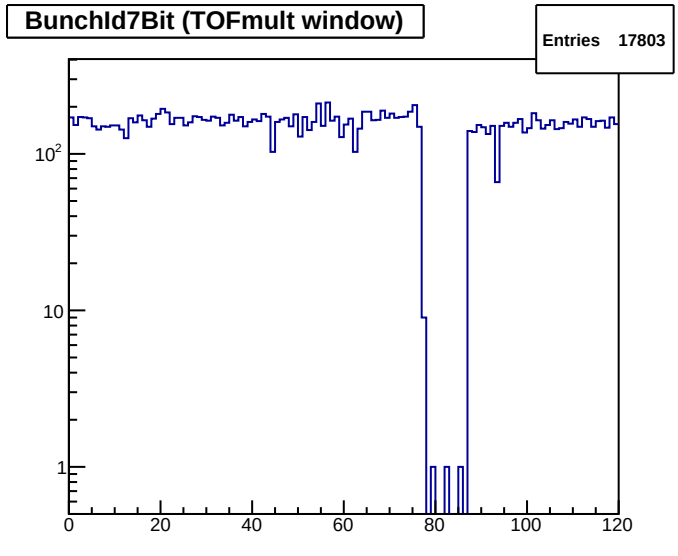

BunchId7Bit (VPD-TAC)
Entries 268419
10^3
10^2
10
1
0
20
40
60
80
100
120

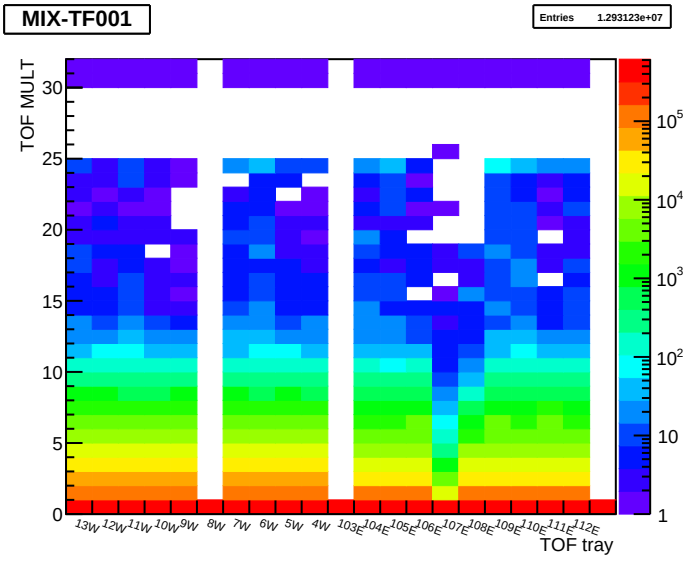

BunchId7Bit (ZDC-TAC)
Entries 824
10
1
0
20
40
60
80
100
120

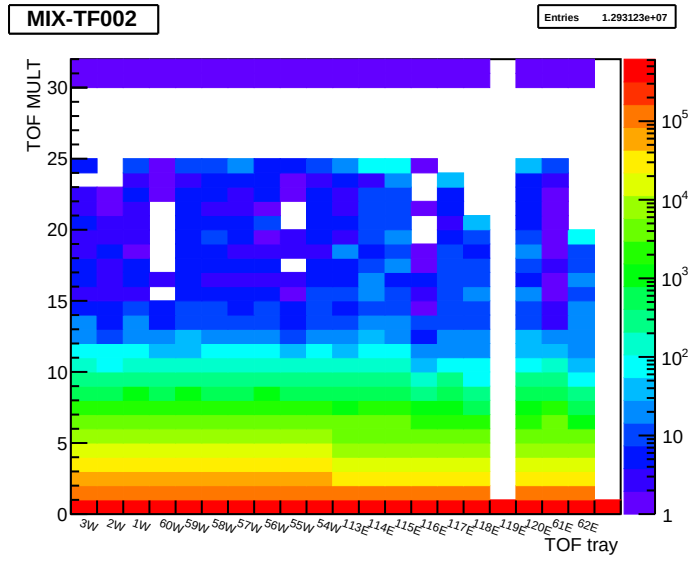

BunchId7Bit (EPD-TAC)
Entries 443003
10^3
10^2
10
0
20
40
60
80
100
120

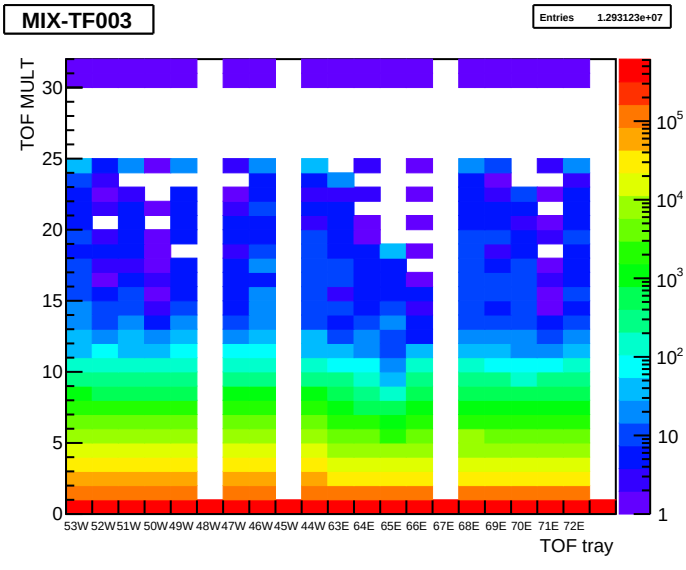

BunchId7Bit (BBC-TAC)
Entries 155022
10^3
10^2
10
1
0
20
40
60
80
100
120

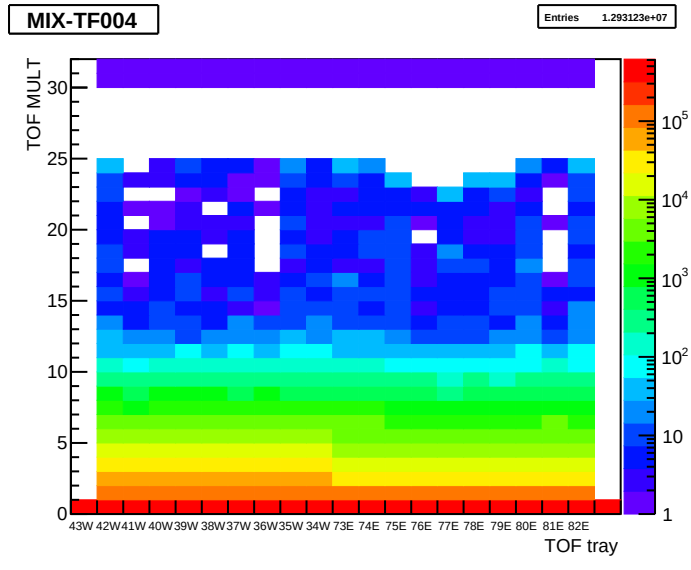

BunchId7Bit (Laser)
Entries 3350
0
20
40
60
80
100
120

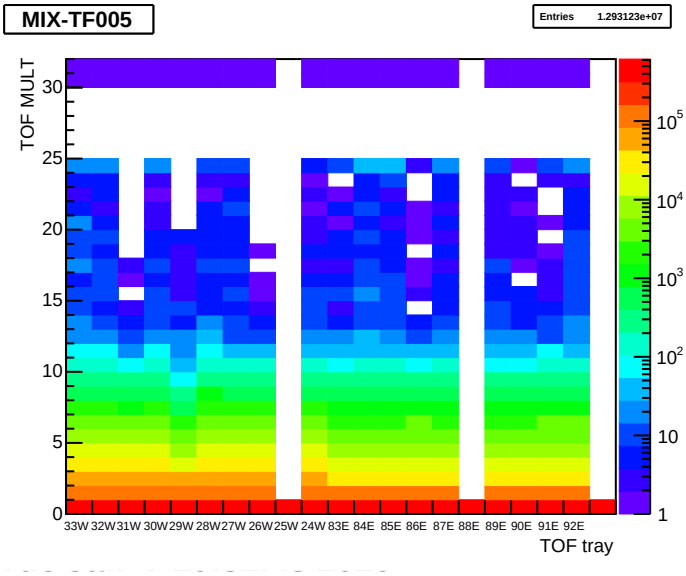

BunchId7Bit (TOFmult window)
Entries 17803
10^2
10
1
0
20
40
60
80
100
120

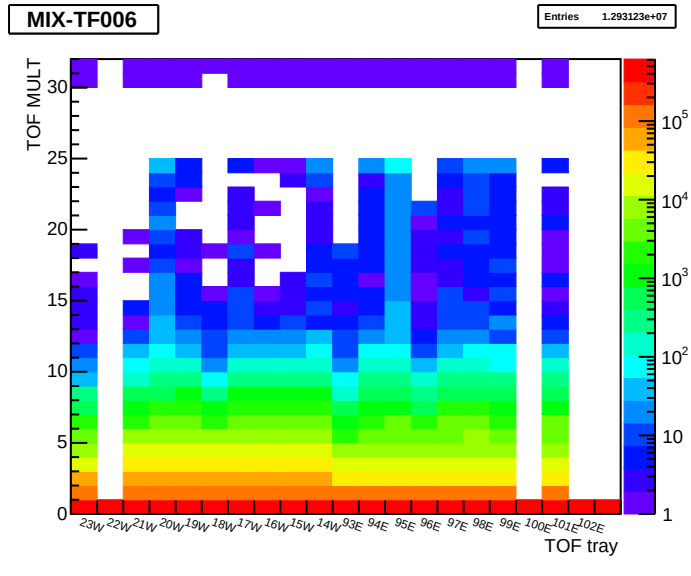

MIX-TF001
Entries 1.293123e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

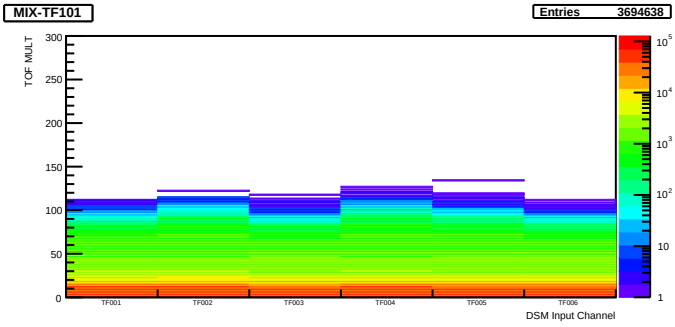

MIX-TF002
Entries 1.293123e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

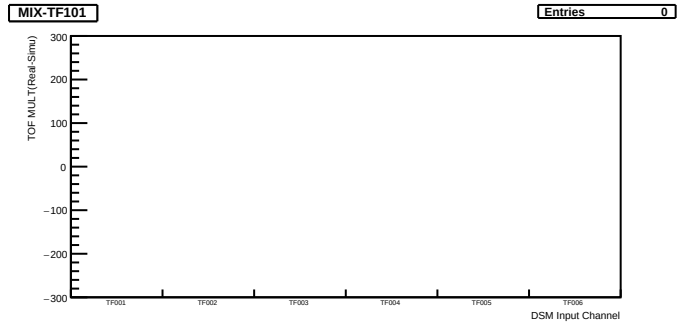

MIX-TF003
Entries 1.293123e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

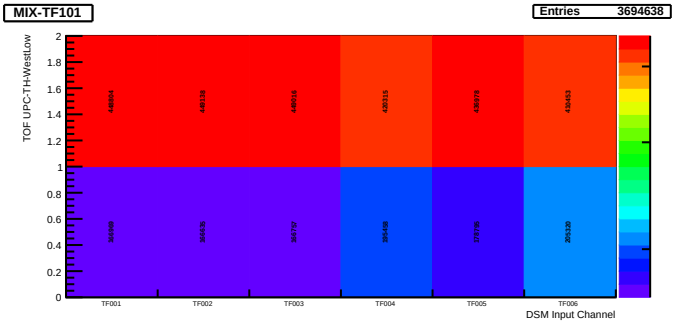

MIX-TF004
Entries 1.293123e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

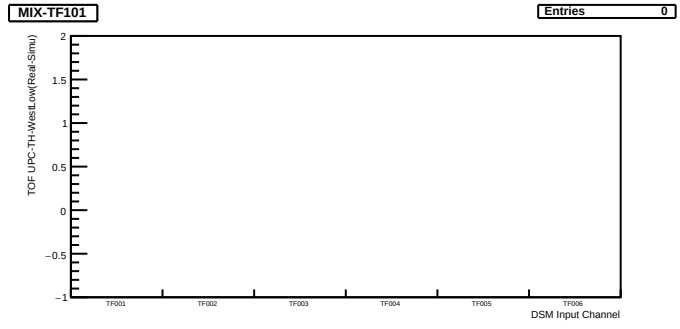

MIX-TF005
Entries 1.293123e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

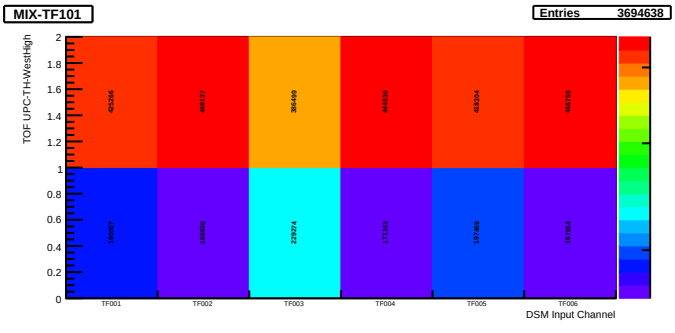

MIX-TF006
Entries 1.293123e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

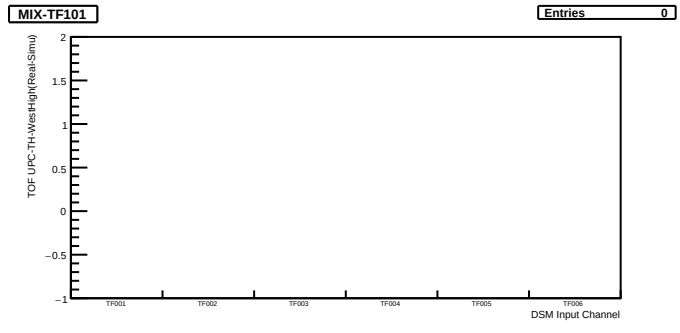

MIX-TF101
Entries 3694638
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

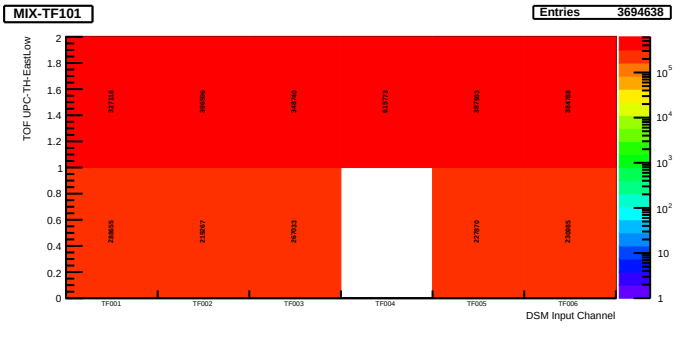

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

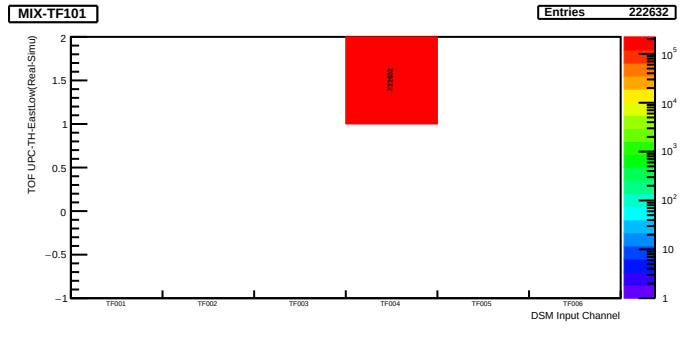

MIX-TF101
Entries 3694638
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

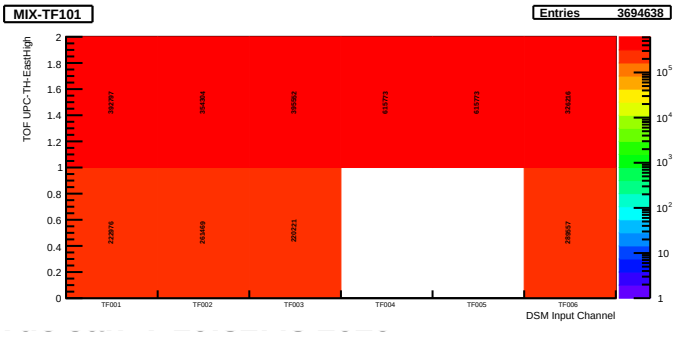

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

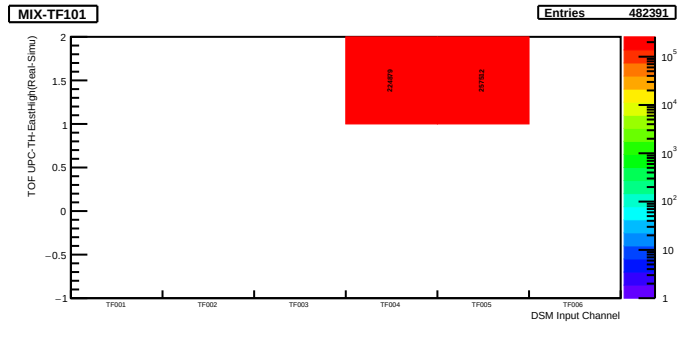

MIX-TF101
Entries 3694638
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

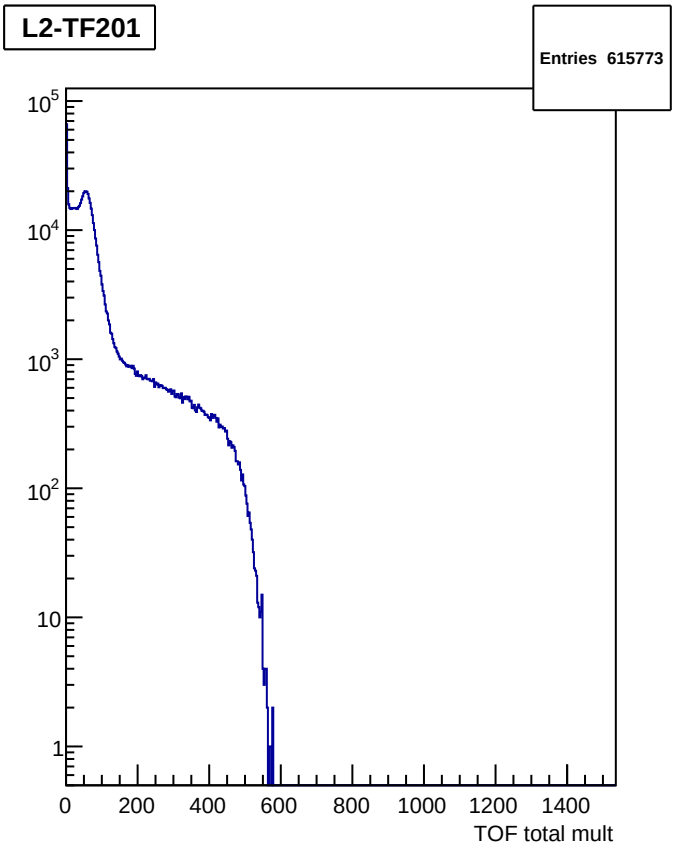

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

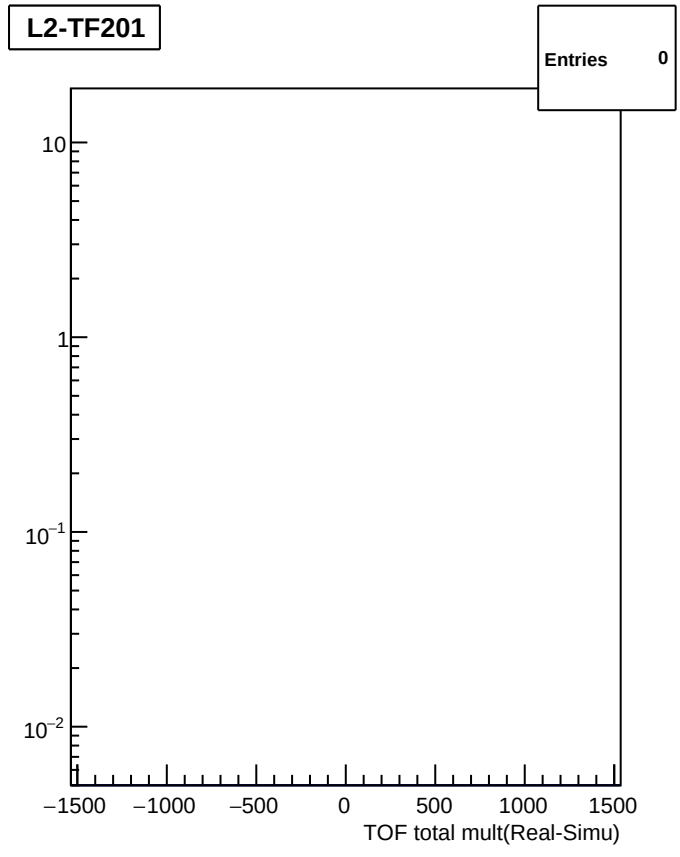

MIX-TF101
Entries 3694638
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

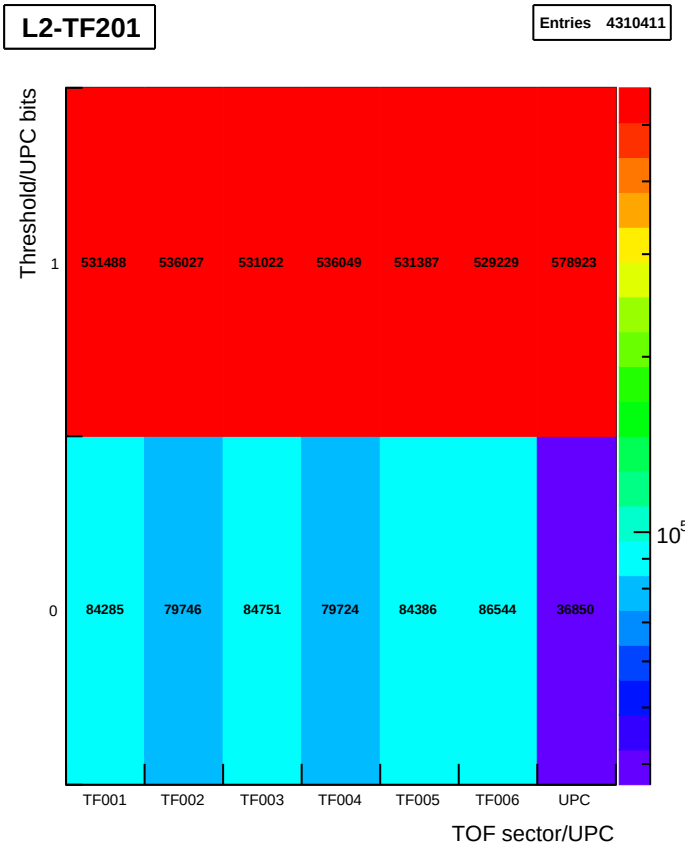

MIX-TF101
Entries 222632
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

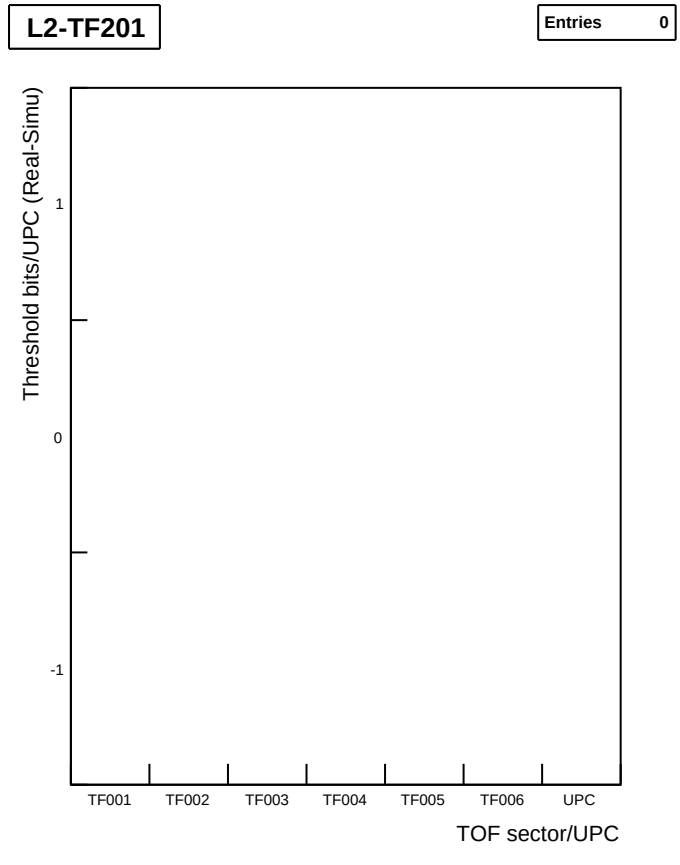

MIX-TF101
Entries 3694638
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

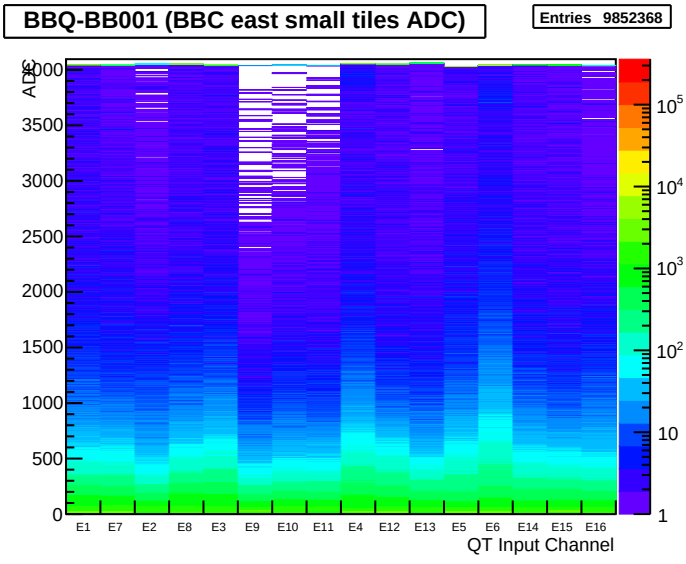

MIX-TF101
Entries 482391
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

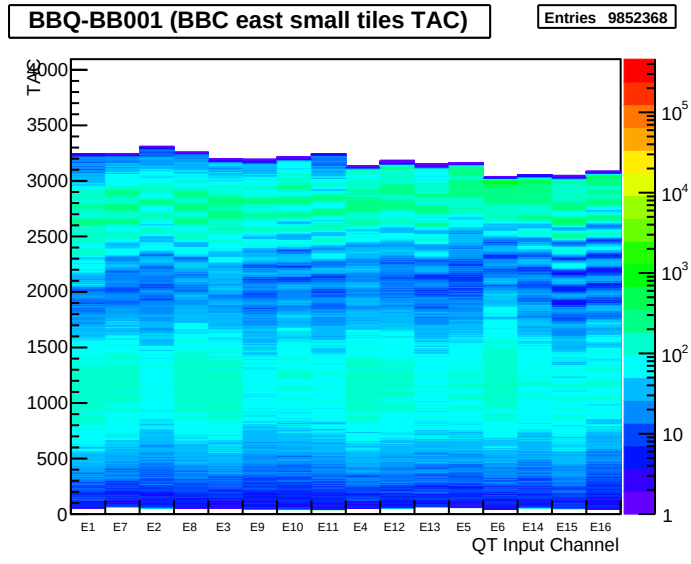

L2-TF201
Entries 615773
TOF total mult

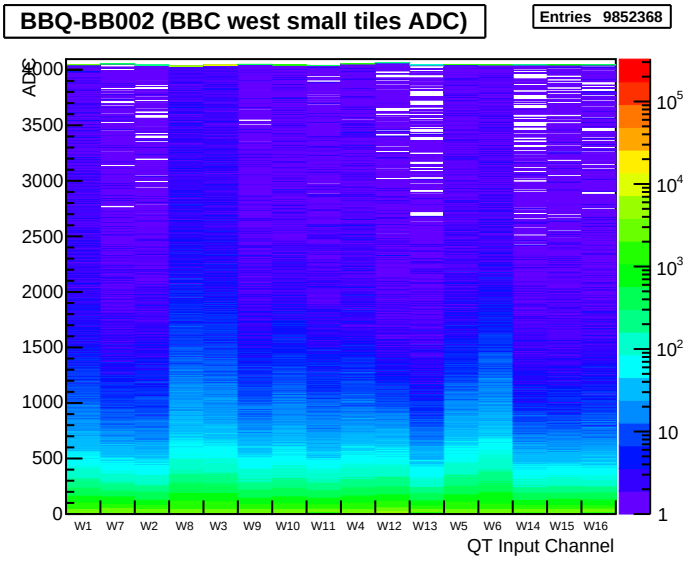

L2-TF201
Entries 0
TOF total mult(Real-Simu)

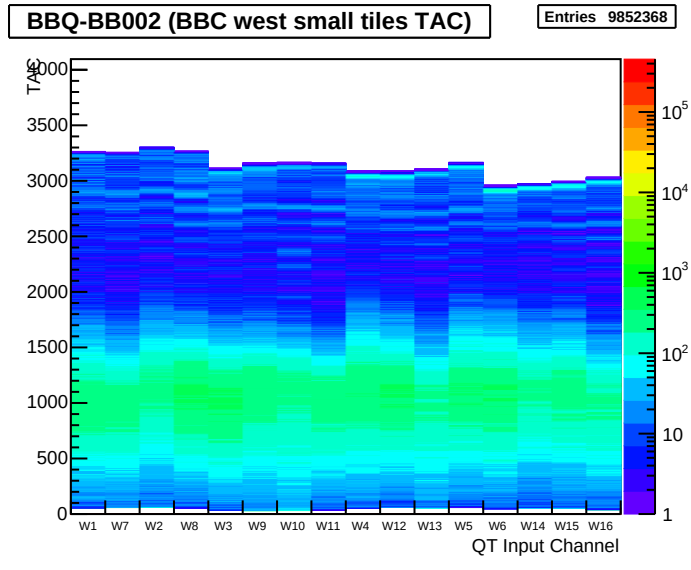

L2-TF201
Entries 4310411
Threshold/UPC bits
531488
536027
531022
536049
531387
529229
578923
84285
79746
84751
79724
84386
86544
36850
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

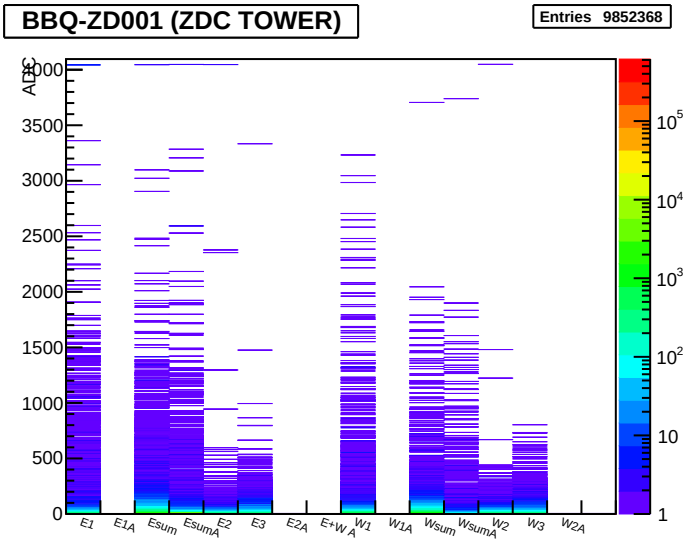

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

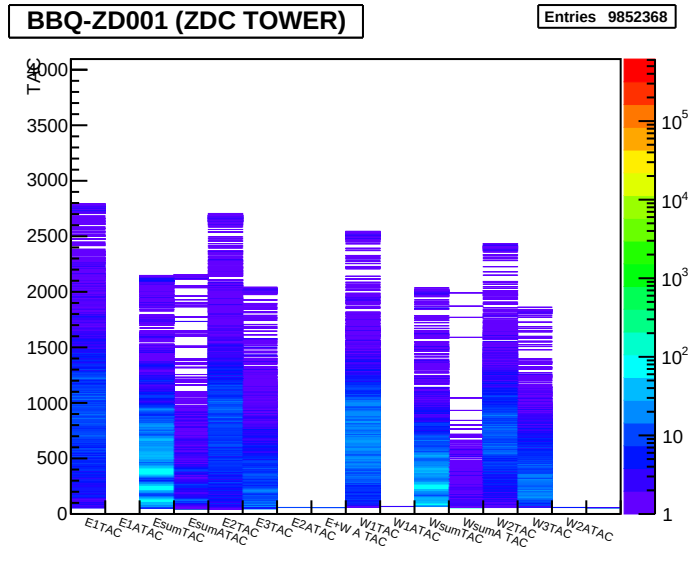

BBQ-BB001 (BBC east small tiles ADC)
Entries 9852368
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

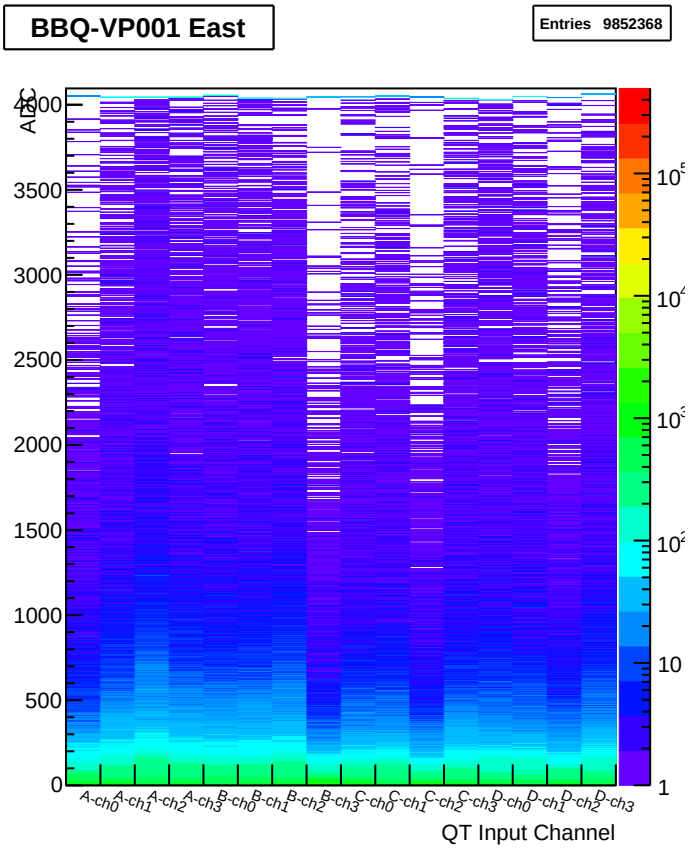

BBQ-BB001 (BBC east small tiles TAC)
Entries 9852368
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

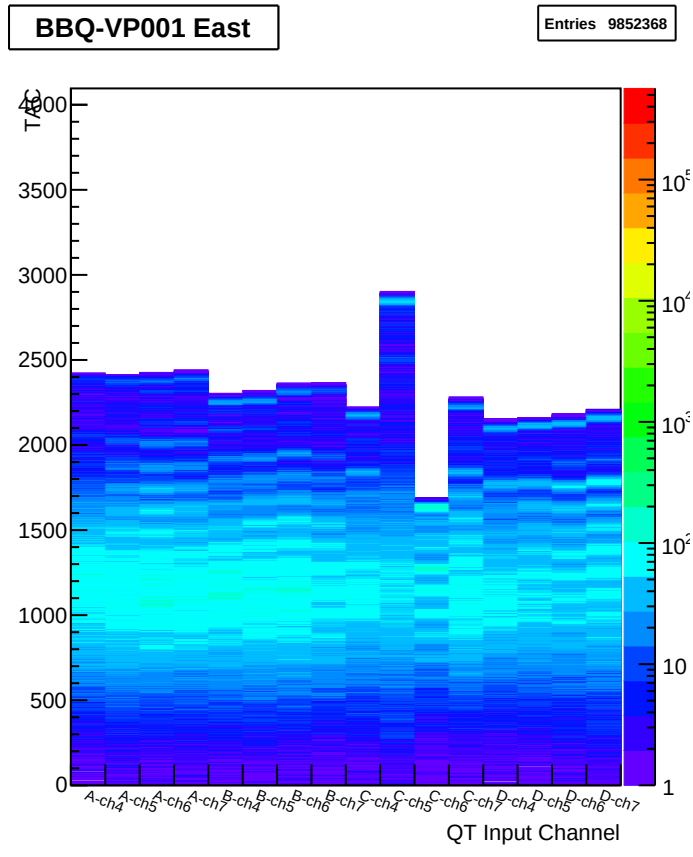

BBQ-BB002 (BBC west small tiles ADC)
Entries 9852368
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

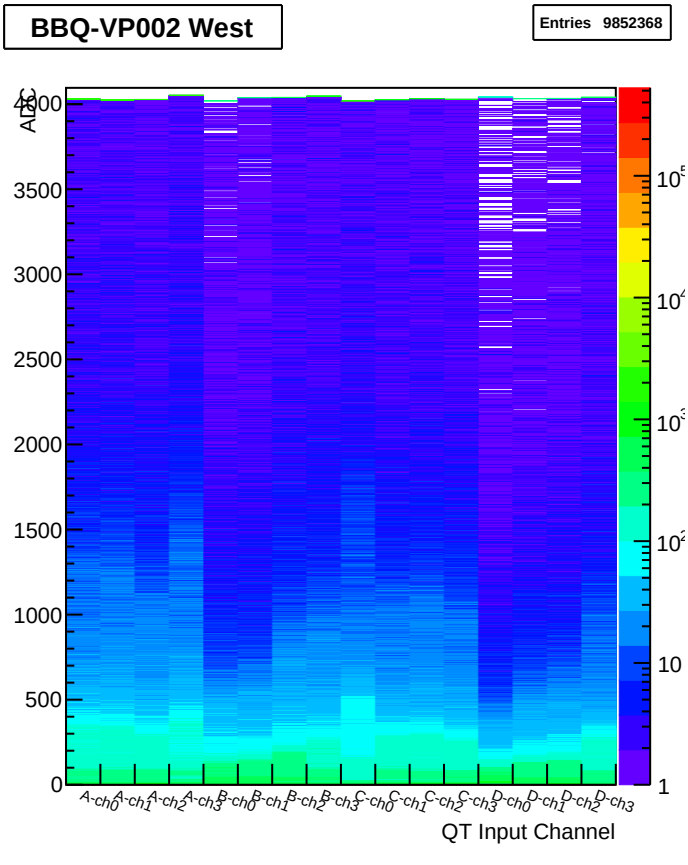

BBQ-BB002 (BBC west small tiles TAC)
Entries 9852368
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

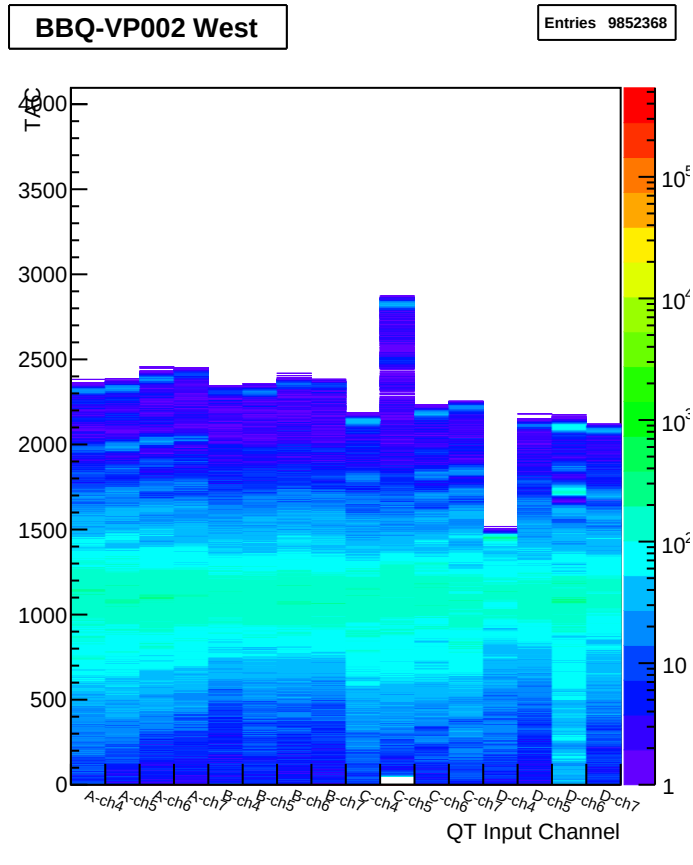

BBQ-ZD001 (ZDC TOWER)
Entries 9852368
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

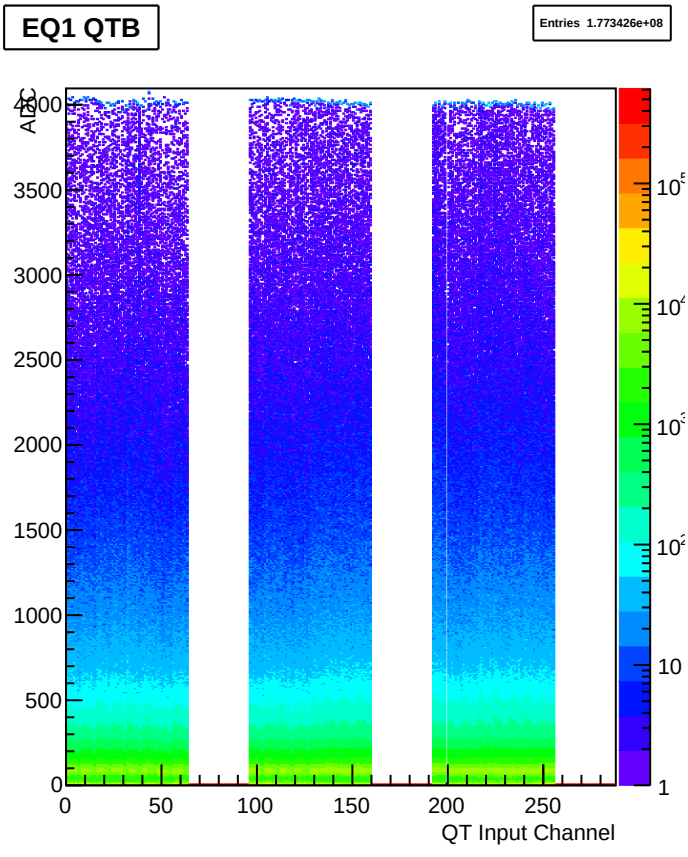

BBQ-ZD001 (ZDC TOWER)
Entries 9852368
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

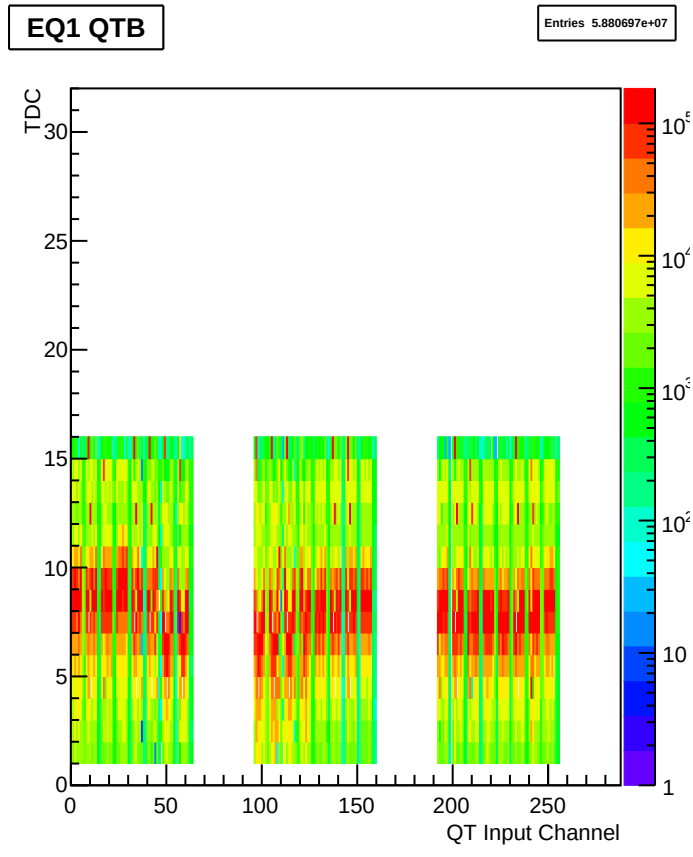

BBQ-VP001 East
Entries 9852368
ADC
QT Input Channel

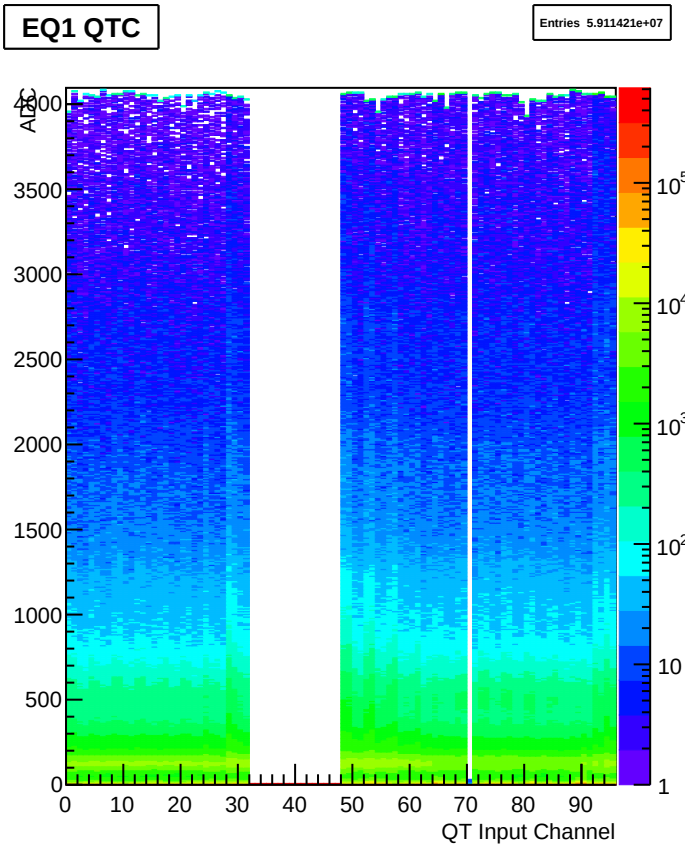

BBQ-VP001 East
Entries 9852368
TADC
QT Input Channel

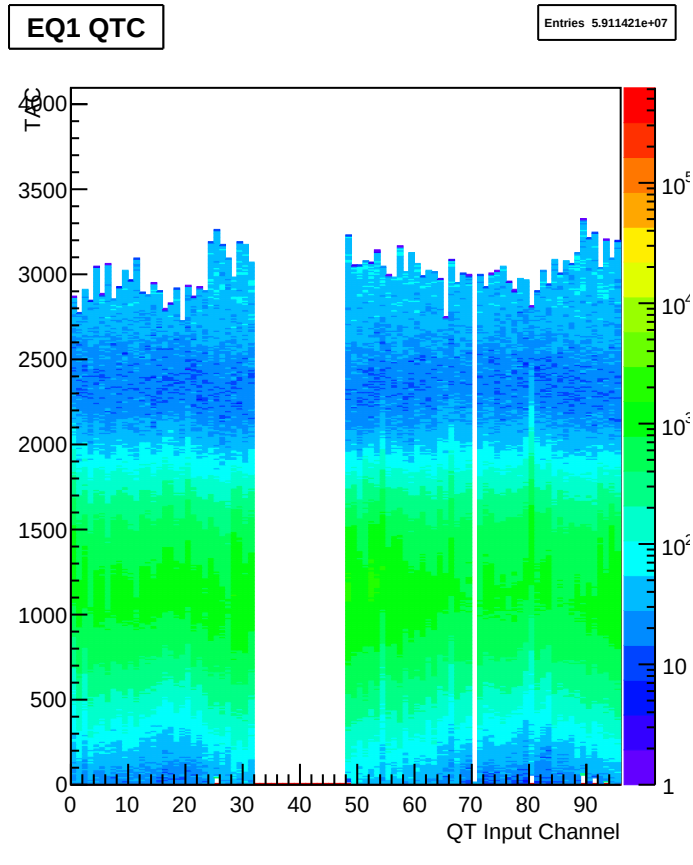

BBQ-VP002 West
Entries 9852368
ADC
QT Input Channel

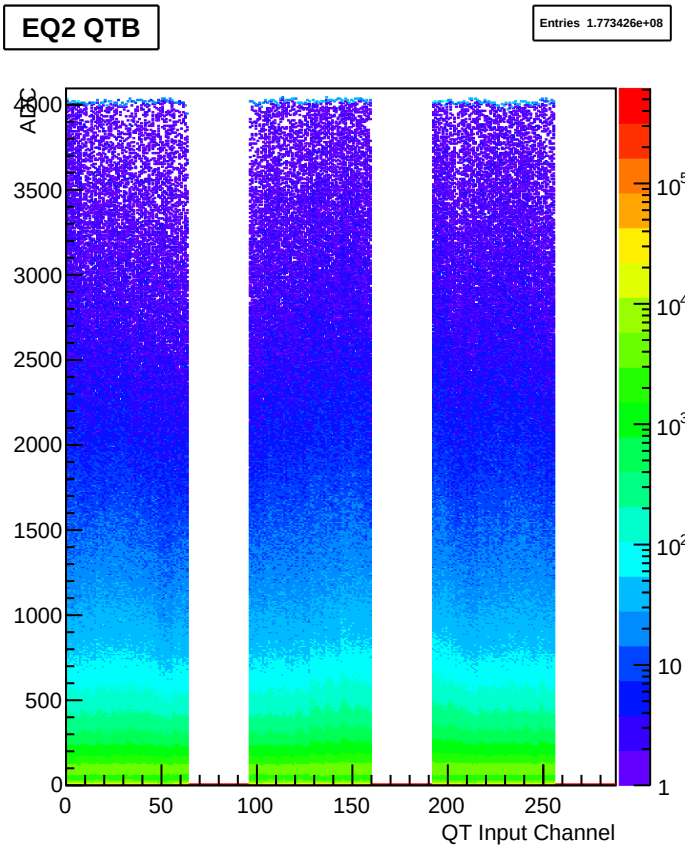

BBQ-VP002 West
Entries 9852368
TADC
QT Input Channel

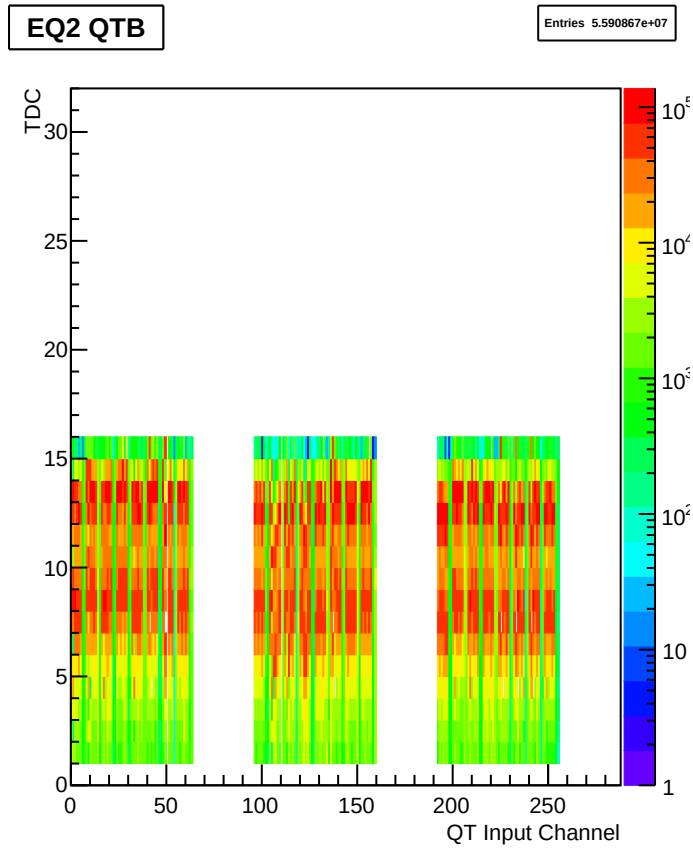

EQ1 QTB
Entries 1.773426e+08
ADC
QT Input Channel

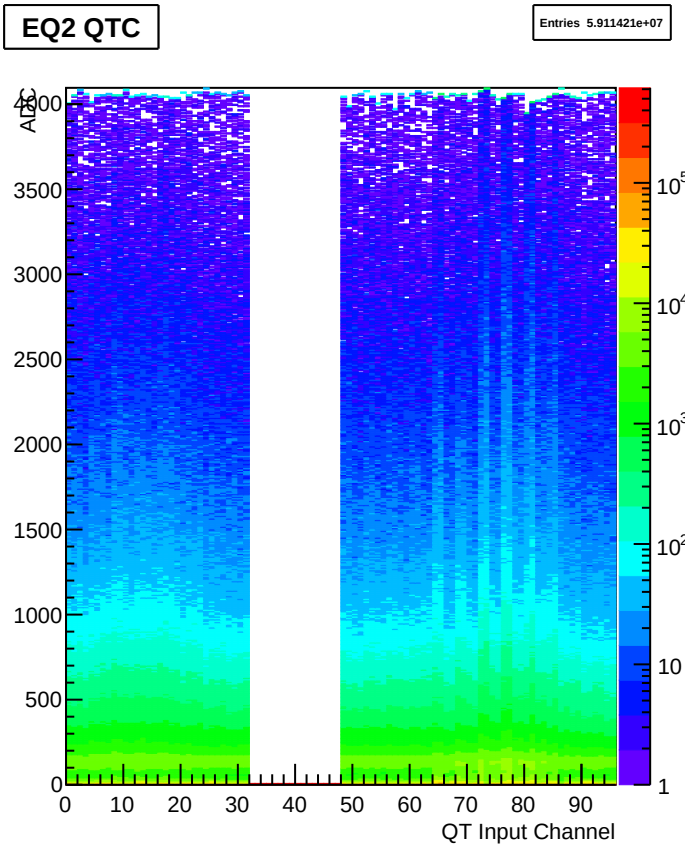

EQ1 QTB
Entries 5.880697e+07
TDC
QT Input Channel

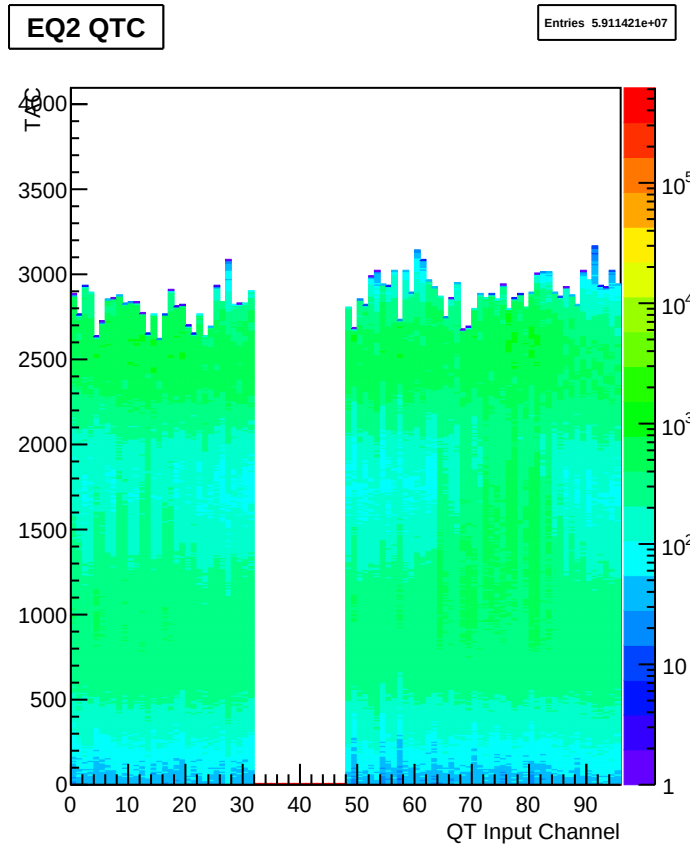

EQ1 QTC
Entries 5.911421e+07
ADC
QT Input Channel

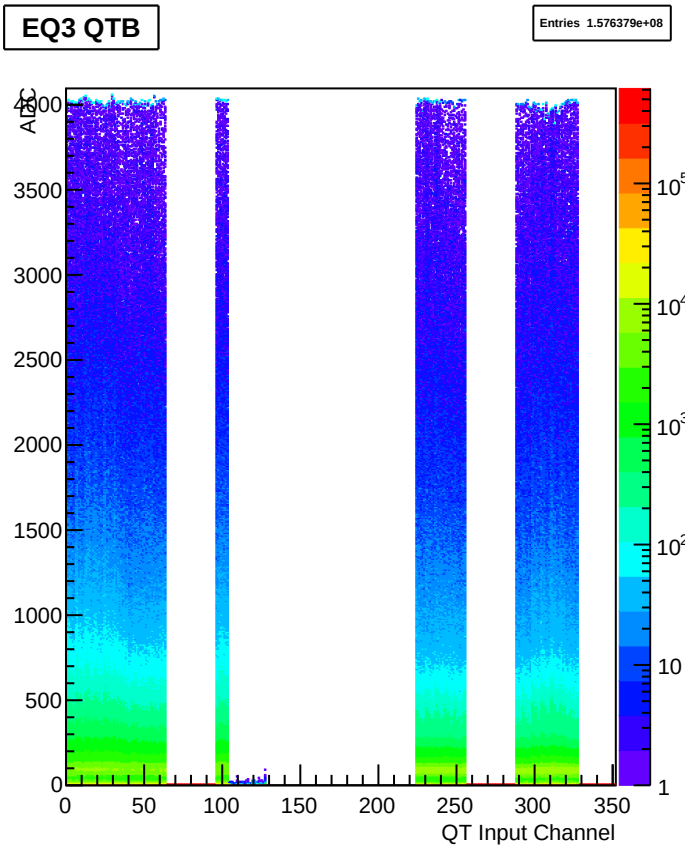

EQ1 QTC
Entries 5.911421e+07
TADC
QT Input Channel

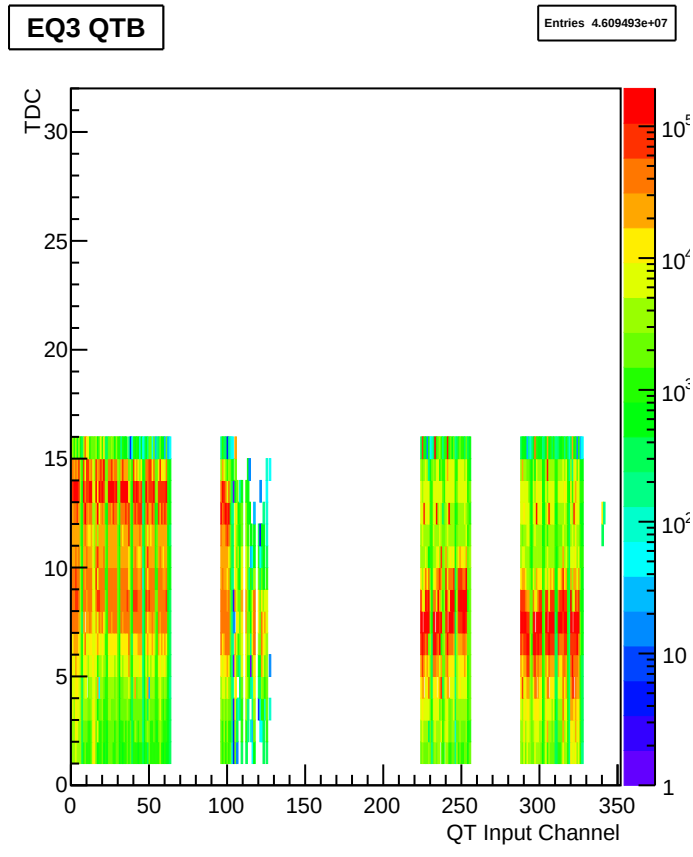

EQ2 QTB
Entries 1.773426e+08
ADC
QT Input Channel

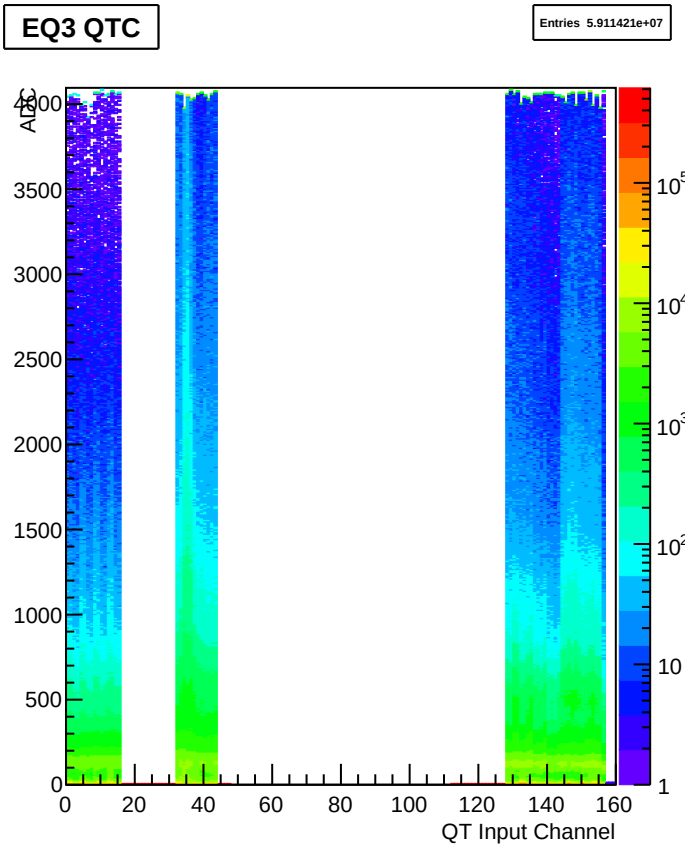

EQ2 QTB
Entries 5.590867e+07
TDC
QT Input Channel

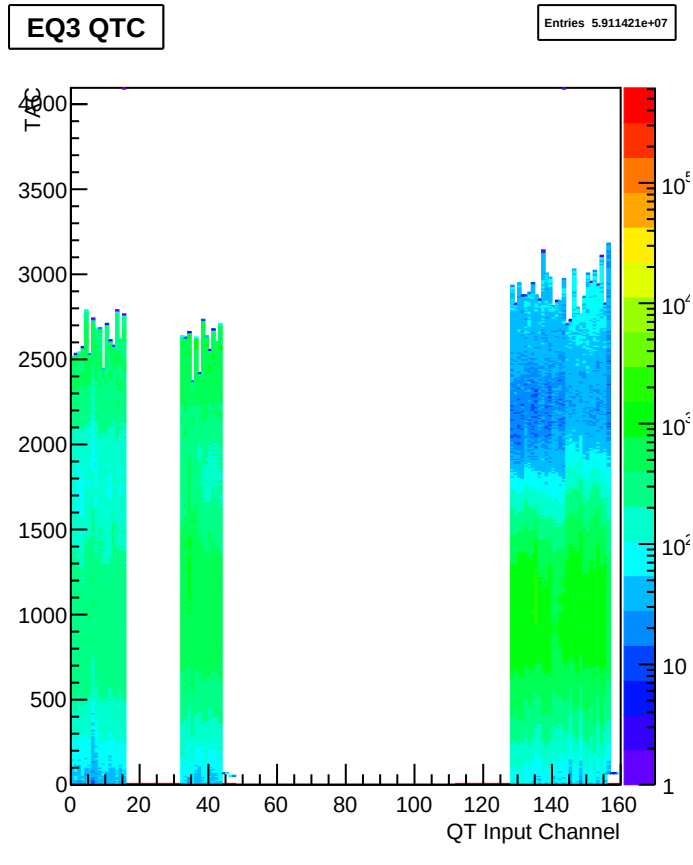

EQ2 QTC
Entries 5.911421e+07
ADC
QT Input Channel

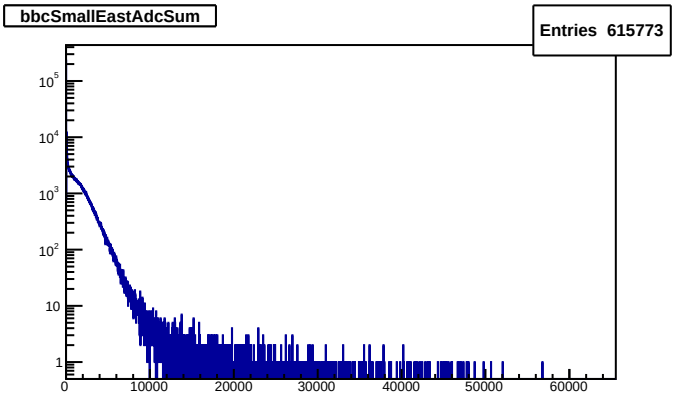

EQ2 QTC
Entries 5.911421e+07
TADC
QT Input Channel

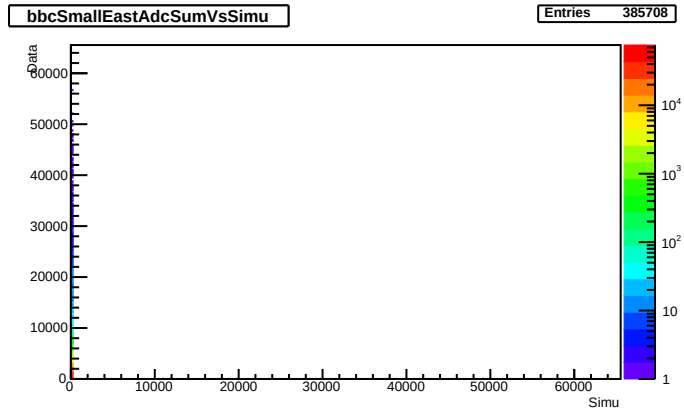

EQ3 QTB
Entries 1.576379e+08
ADC
QT Input Channel

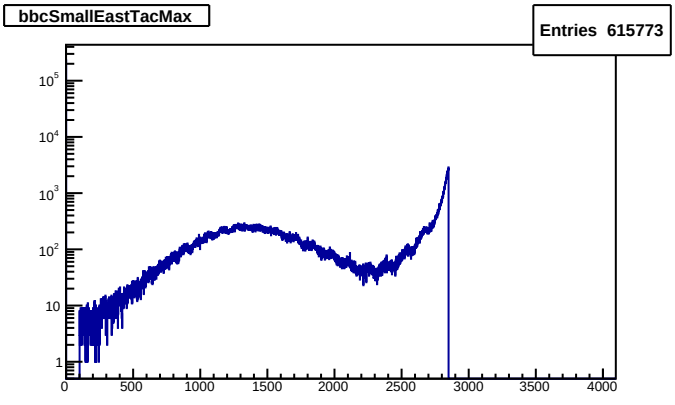

EQ3 QTB
Entries 4.609493e+07
TDC
QT Input Channel

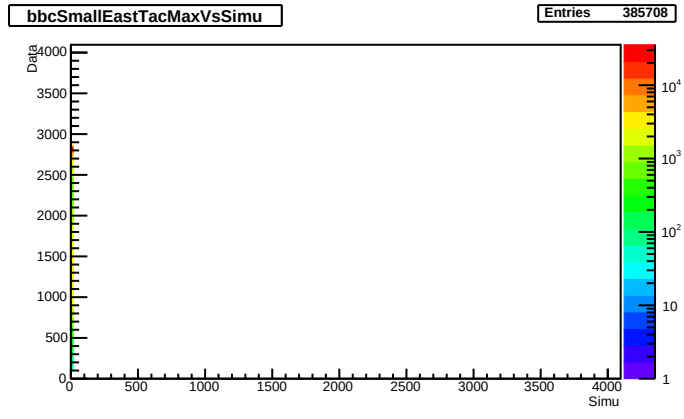

EQ3 QTC
Entries 5.911421e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.911421e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 615773


bbcSmallEastAdcSumVsSimu
Entries 385708
Data
Simu


bbcSmallEastTacMax
Entries 615773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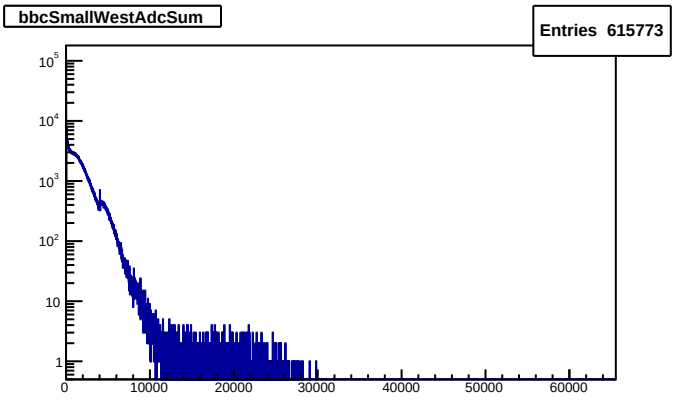
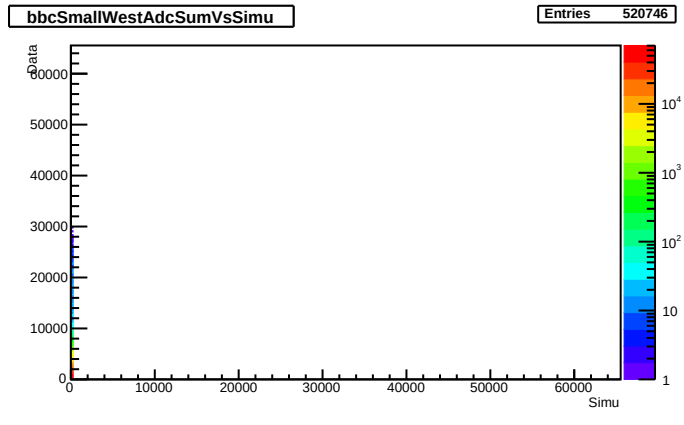

bbcSmallWestAdcSum
Entries 615773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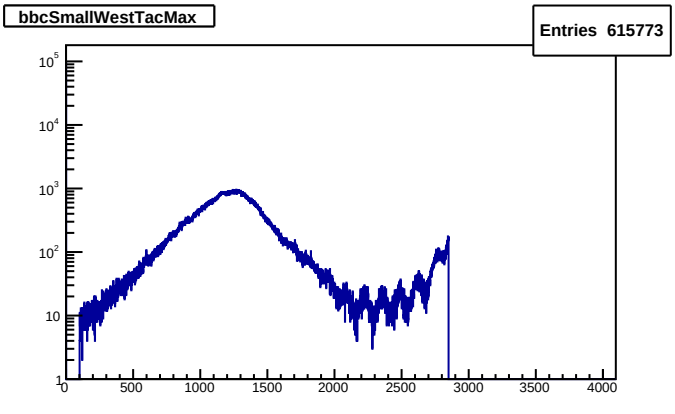
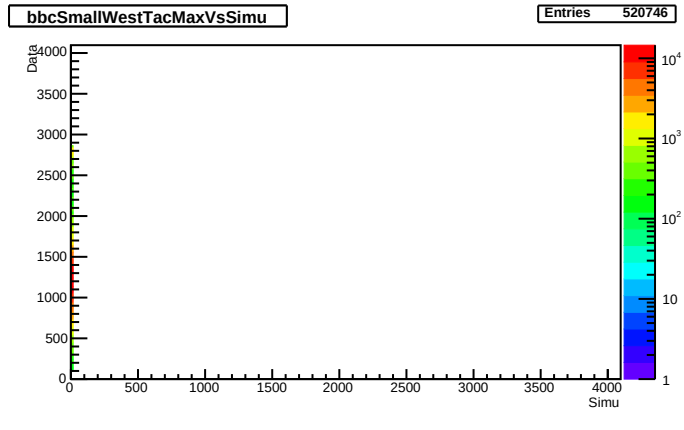
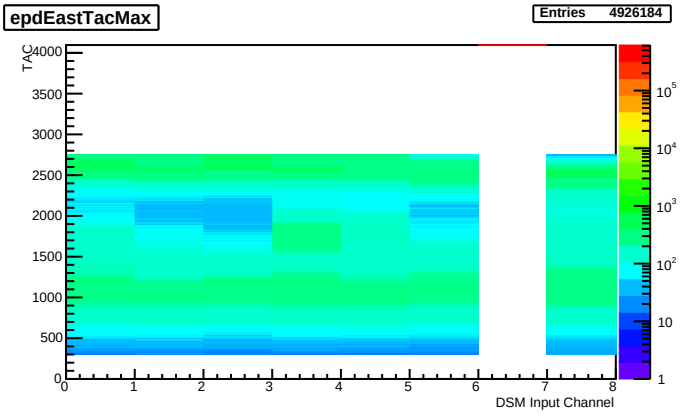
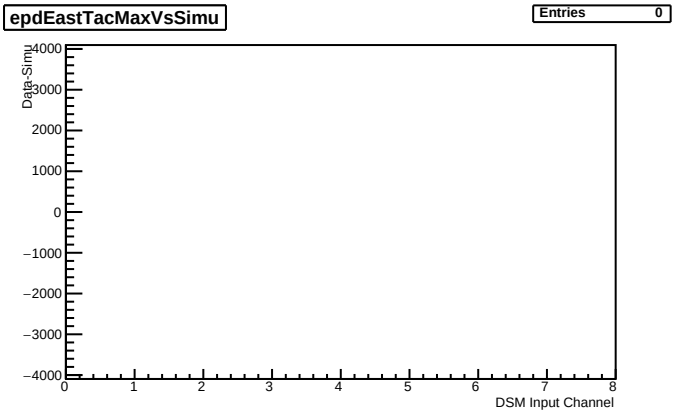
Entries 520746
Data
Simu


bbcSmallWestTacMax
Entries 615773


bbcSmallWestTacMaxVsSimu
Entries 520746
Data
Simu


epdEastTacMax
Entries 4926184
TAC
DSM Input Channel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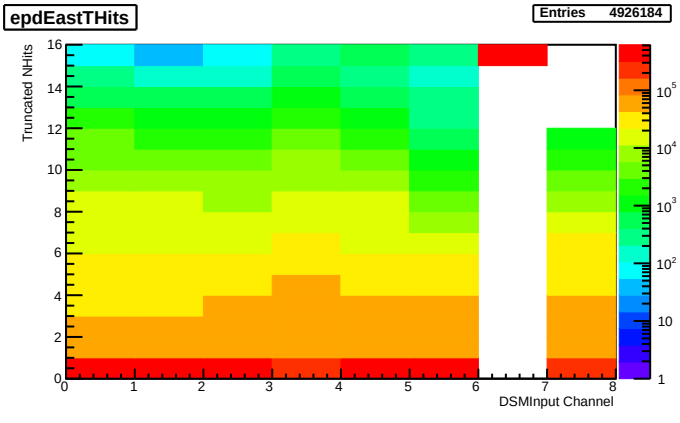
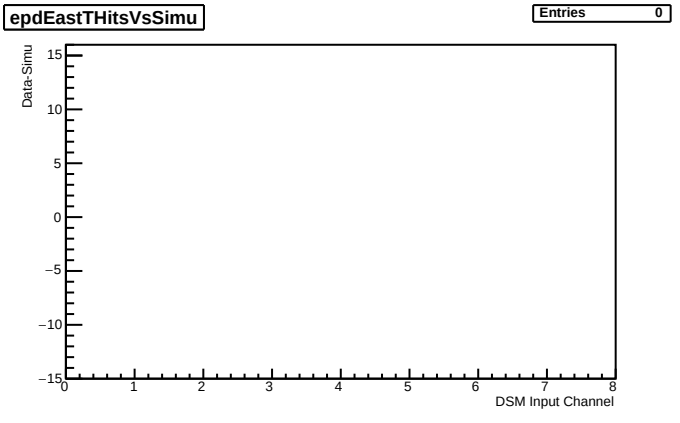
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4926184
Truncated NHits
DSMInput Channel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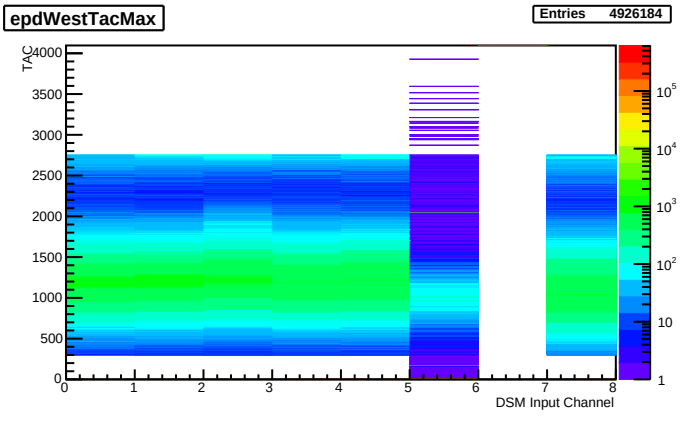
Data-Simu
DSM Input Channel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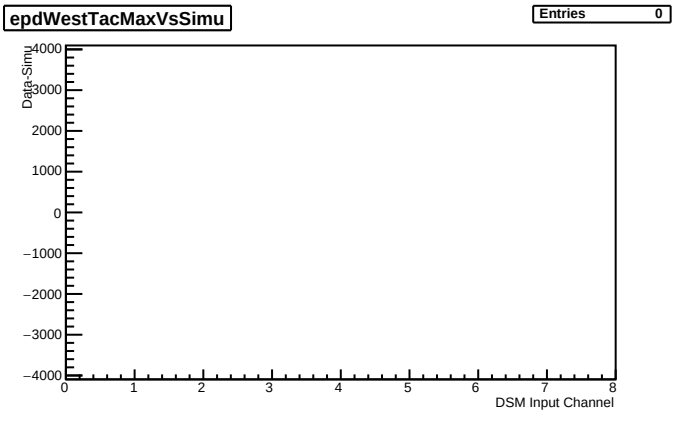
Entries 4926184
TAC
DSM Input Channel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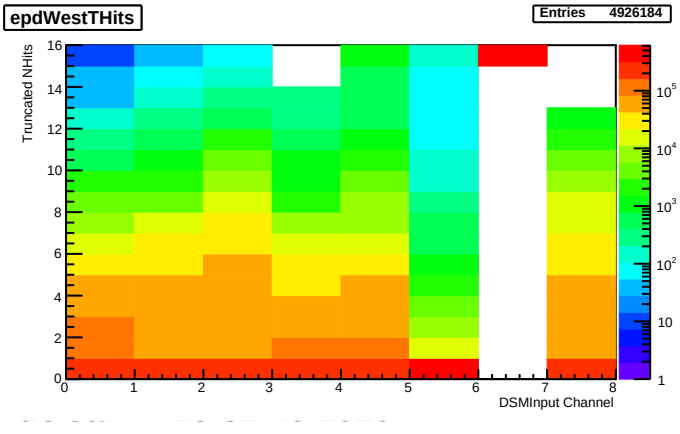
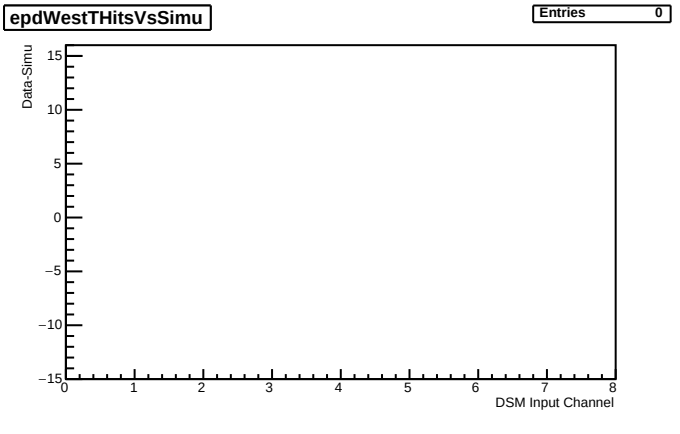
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4926184
Truncated NHits
DSMInput Channel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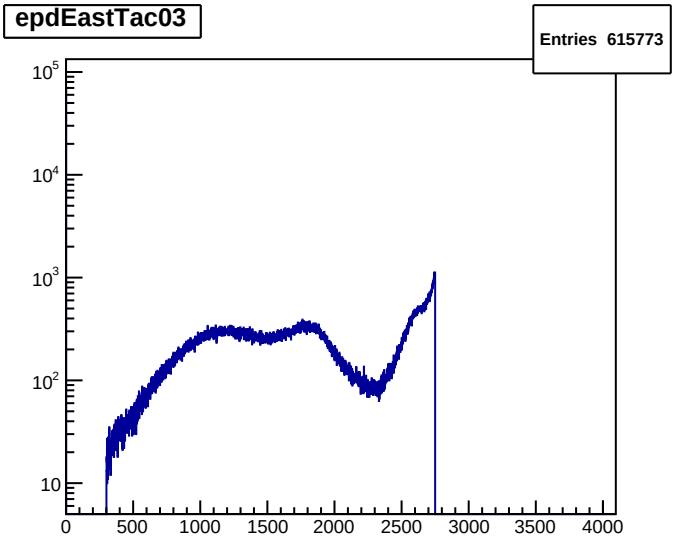
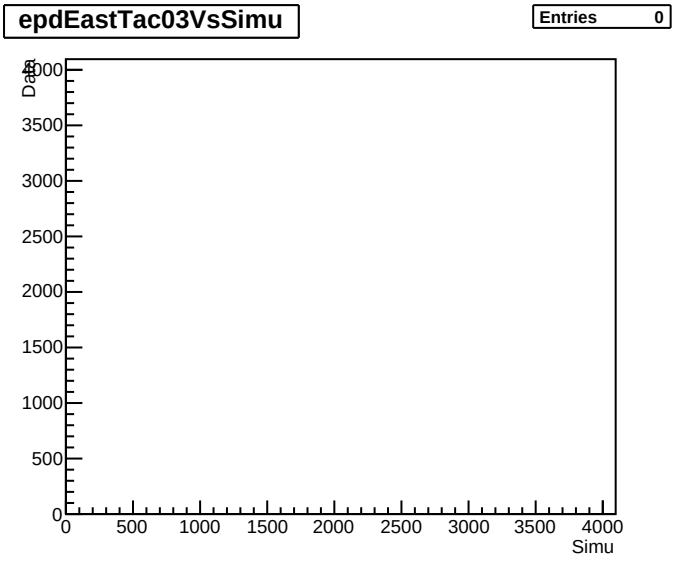
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 615773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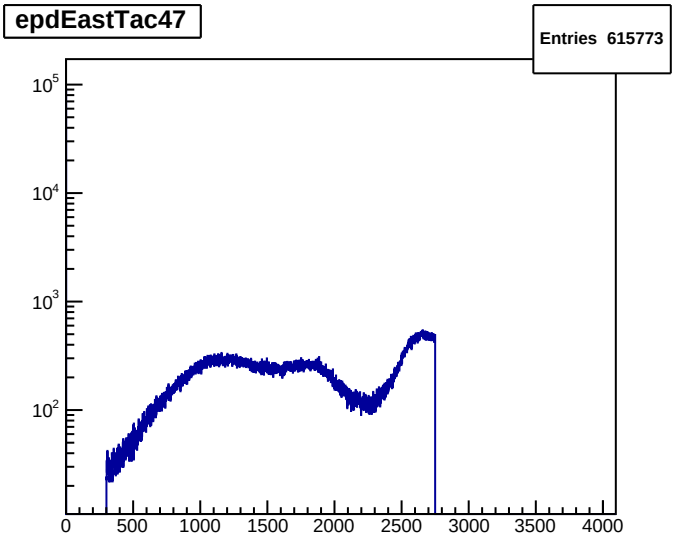
Entries 0
Data
Simu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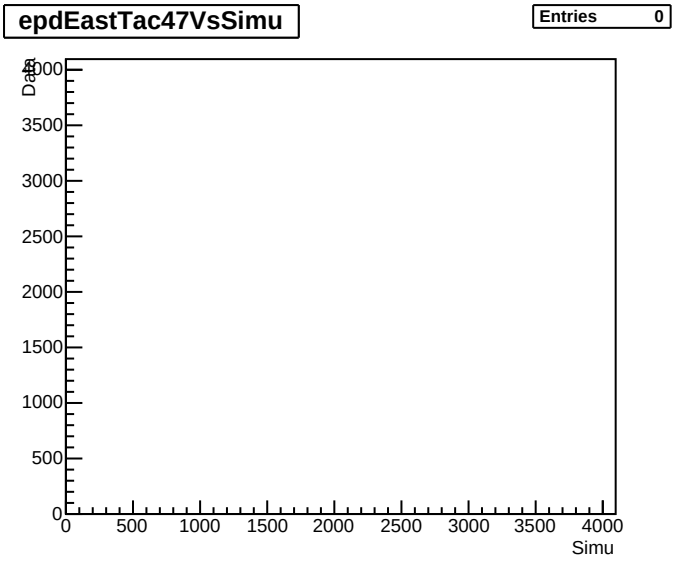
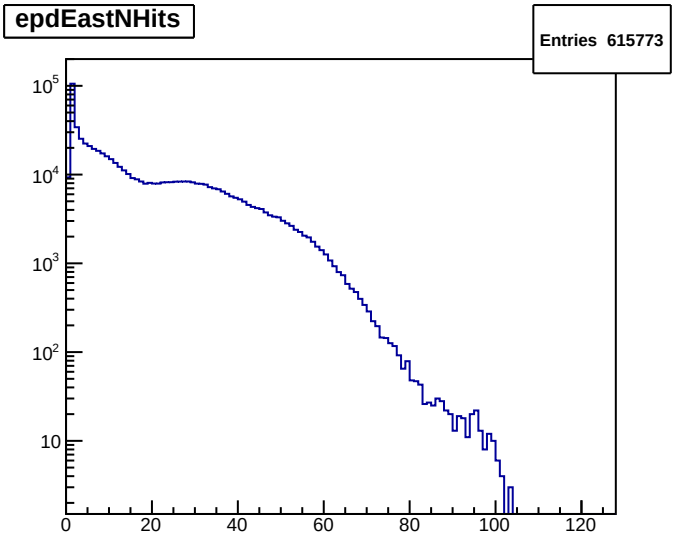
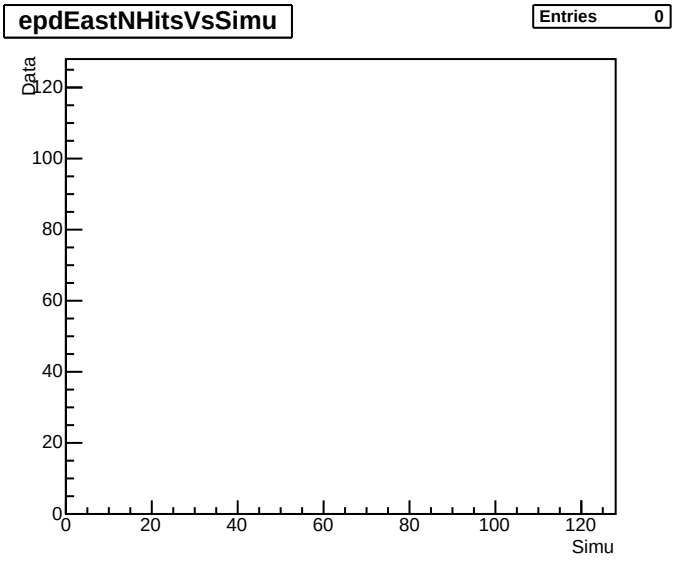
Entries 615773


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 615773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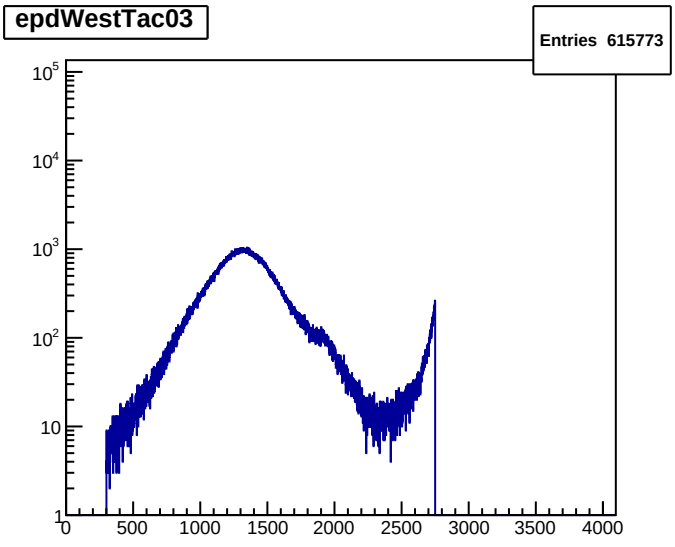
Simu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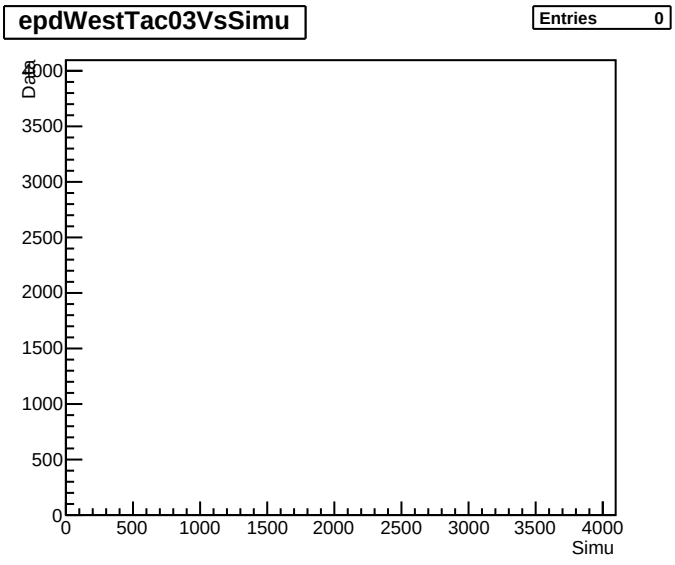
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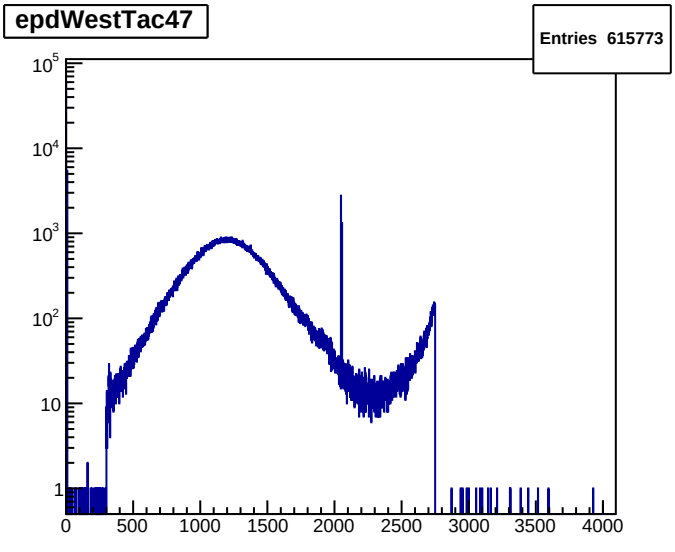
Entries 0
Data
Simu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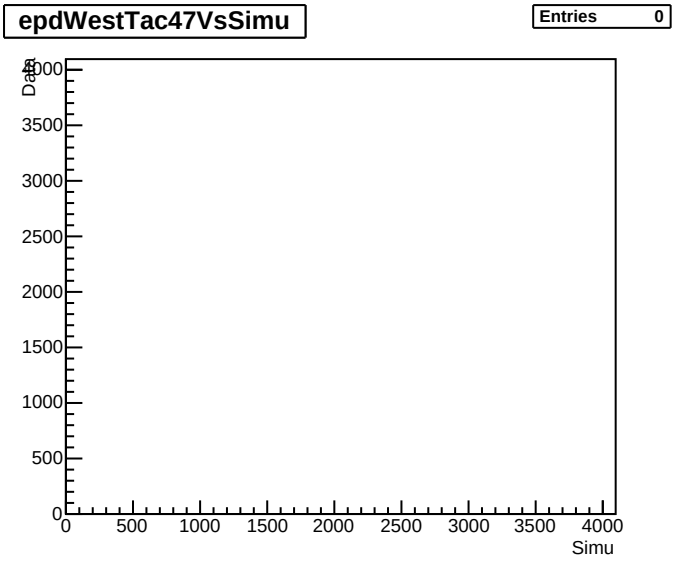
Entries 615773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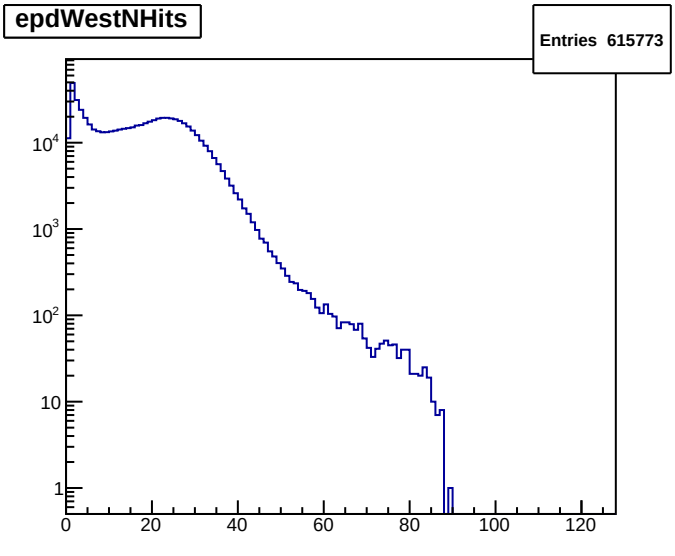
Entries 0
Data
Simu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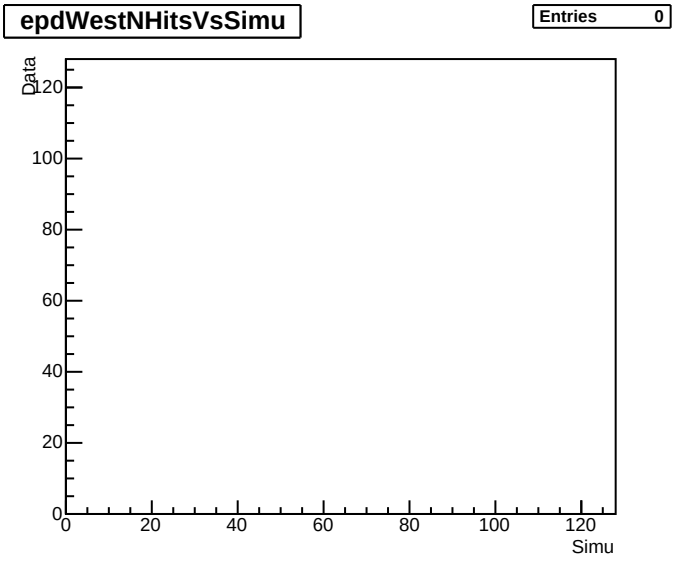
Entries 615773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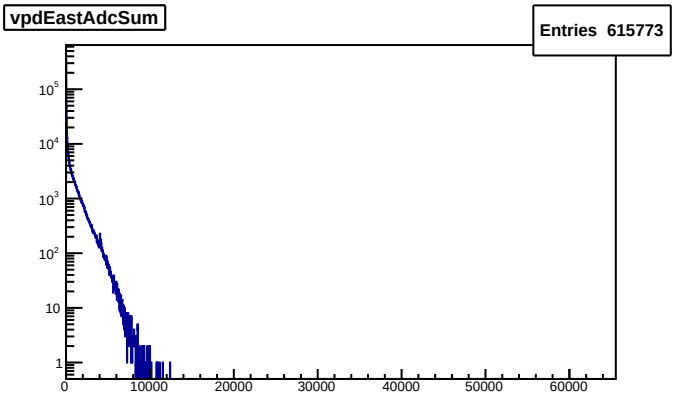
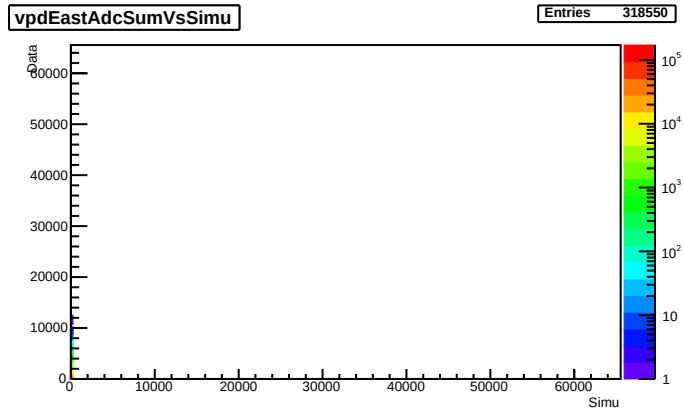
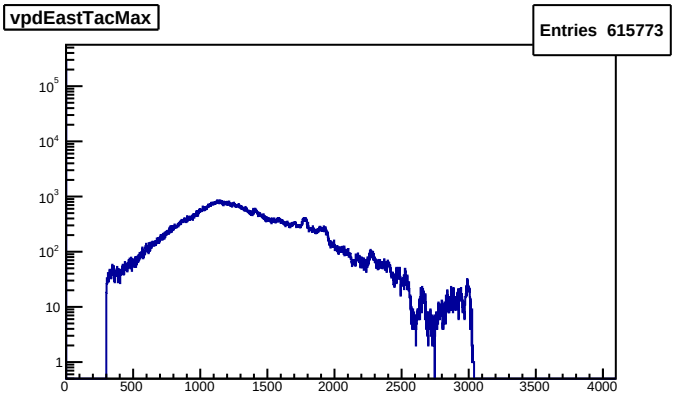
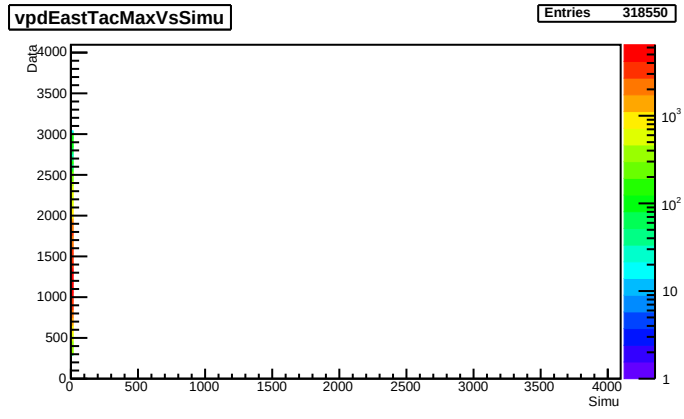
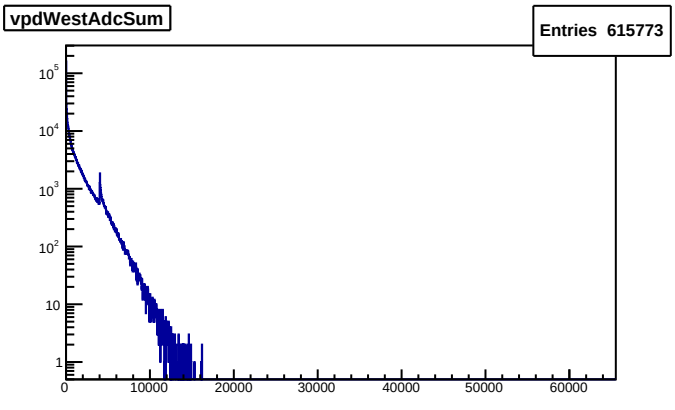
Entries 0
Data
Simu

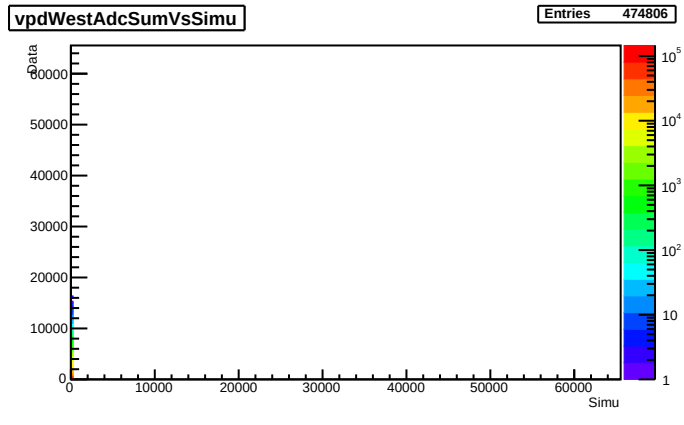

vpdEastAdcSum
Entries 615773

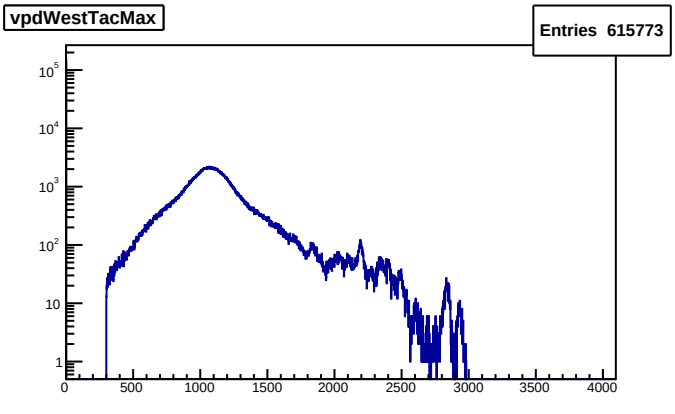

vpdEastAdcSumVsSimu
Entries 318550
Data
Simu

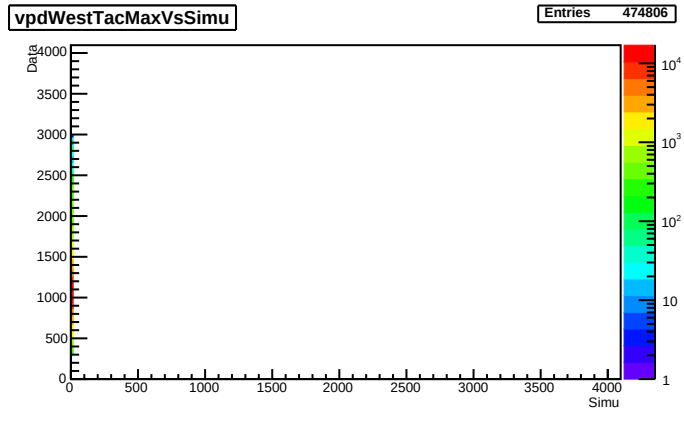

vpdEastTacMax
Entries 615773

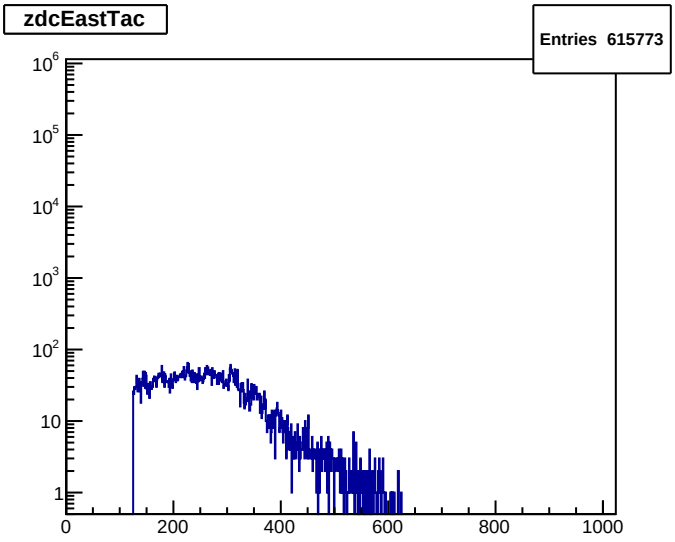

vpdEastTacMaxVsSimu
Entries 318550
Data
Simu

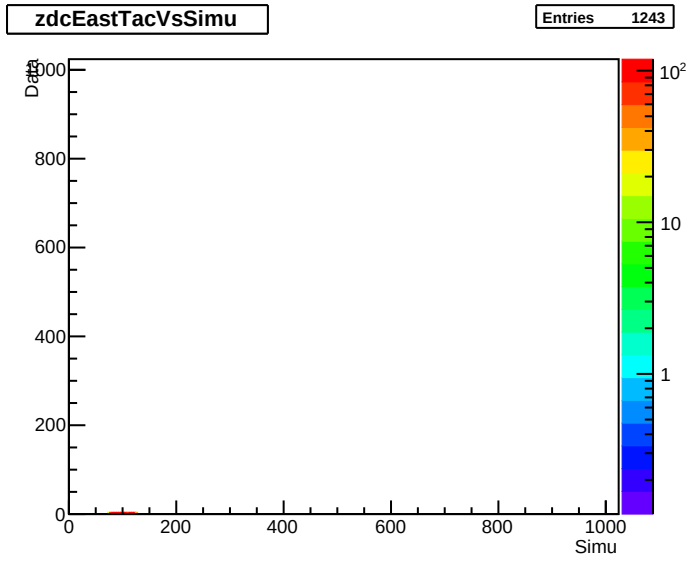

vpdWestAdcSum
Entries 615773

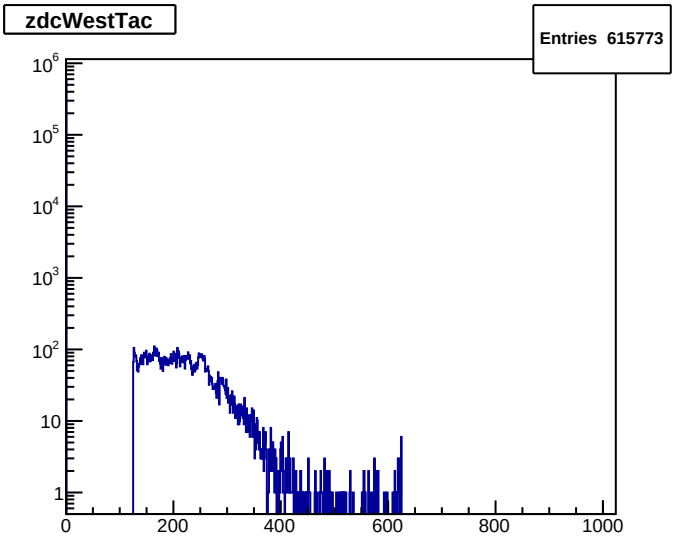

vpdWestAdcSumVsSimu
Entries 474806
Data
Simu

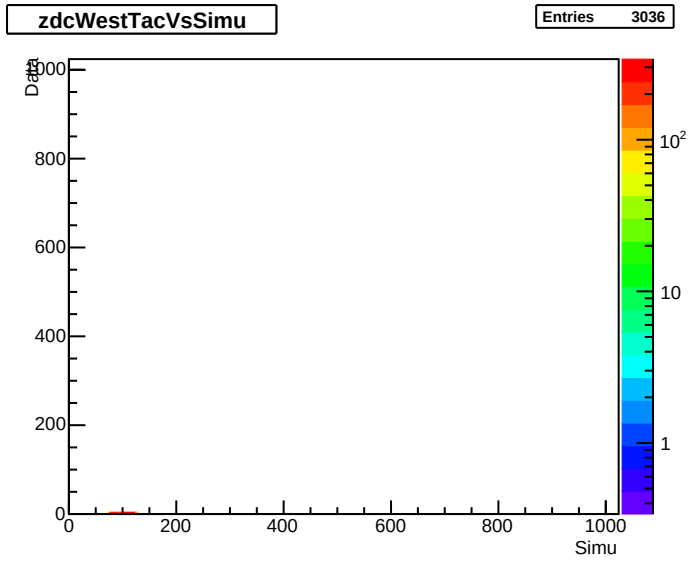

vpdWestTacMax
Entries 615773

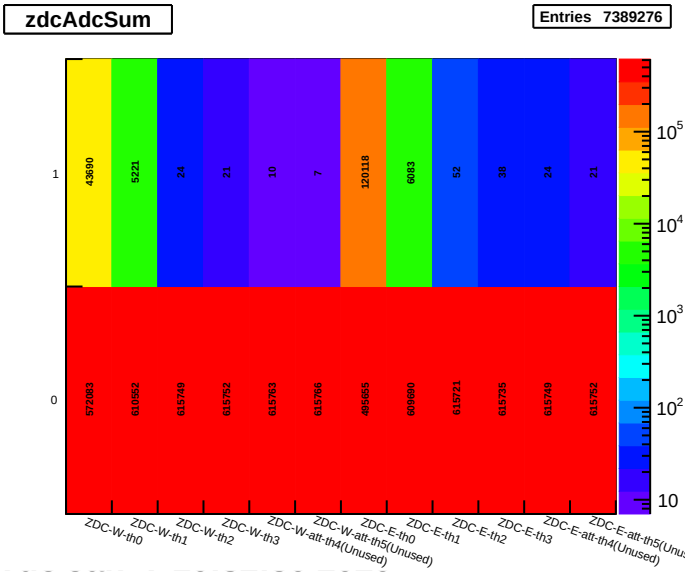

vpdWestTacMaxVsSimu
Entries 474806
Data
Simu

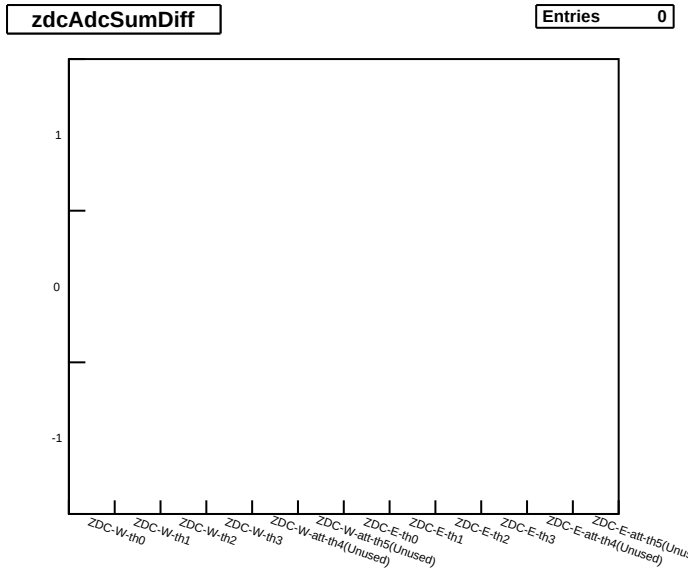

zdcEastTac
Entries 615773

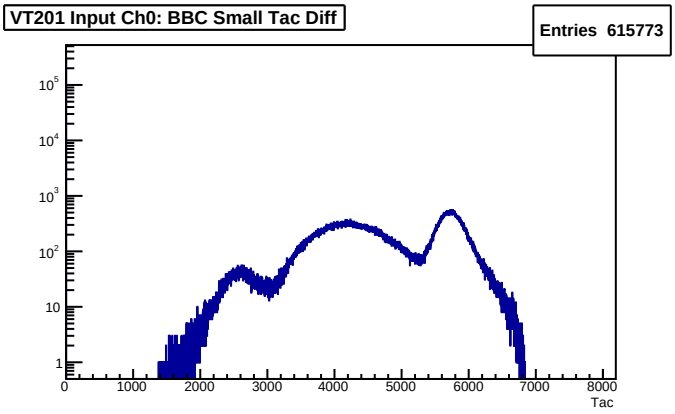

zdcEastTacVsSimu
Entries 1243
Data
Simu

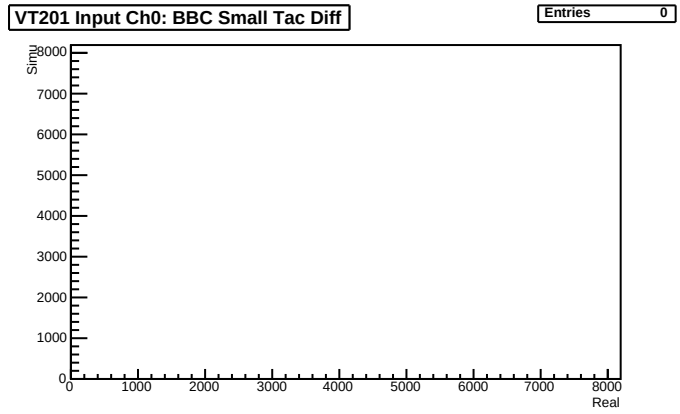

zdcWestTac
Entries 615773

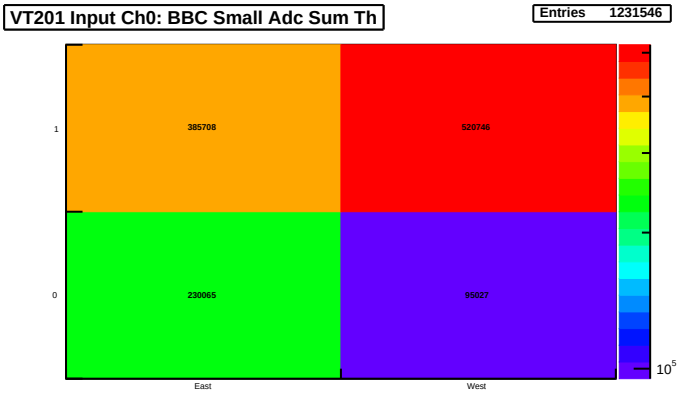

zdcWestTacVsSimu
Entries 3036
Data
Simu

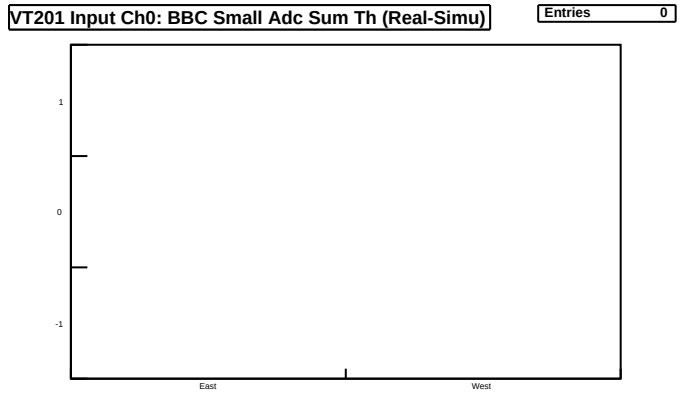

zdcAdcSum
Entries 7389276
43690
5221
24
21
10
7
120118
6083
52
38
24
21
572083
610562
615749
615752
615763
615766
495655
609680
615721
615735
615749
615752
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

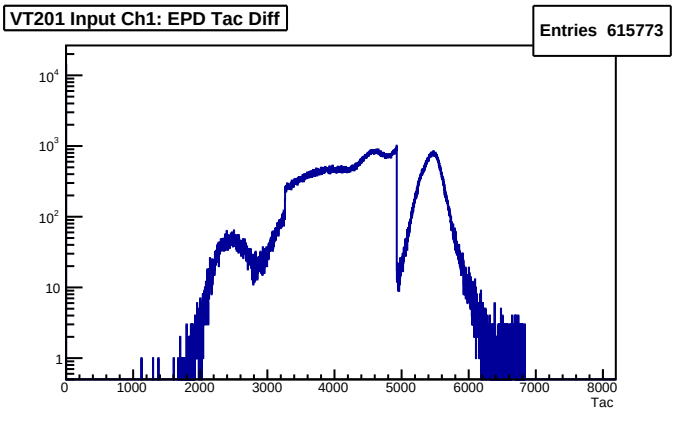

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

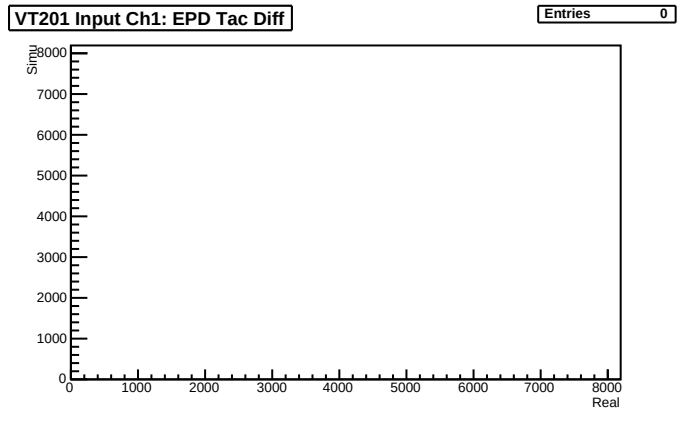

VT201 Input Ch0: BBC Small Tac Diff
Entries 615773
Tac

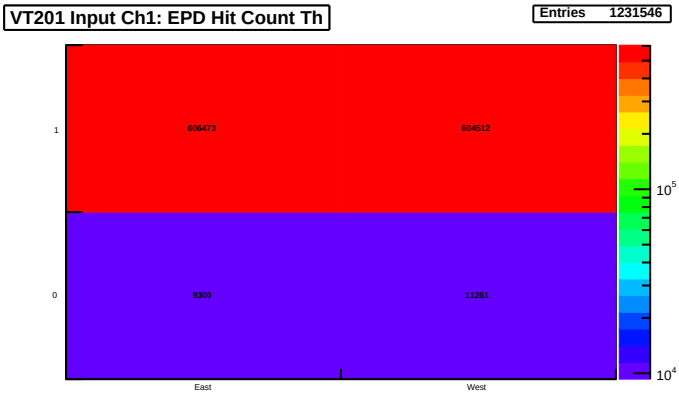

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

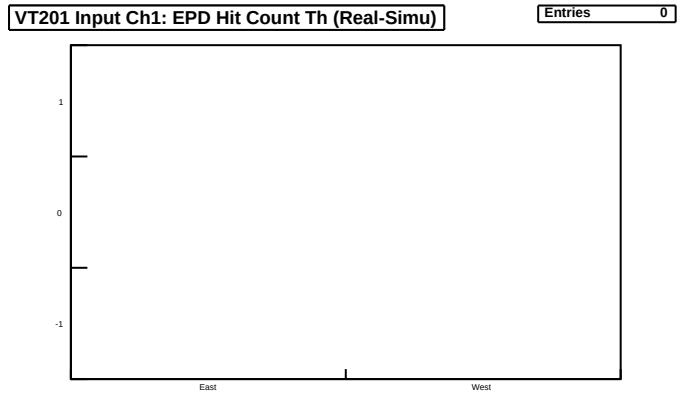

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1231546
385708
520746
230065
95027
East
West

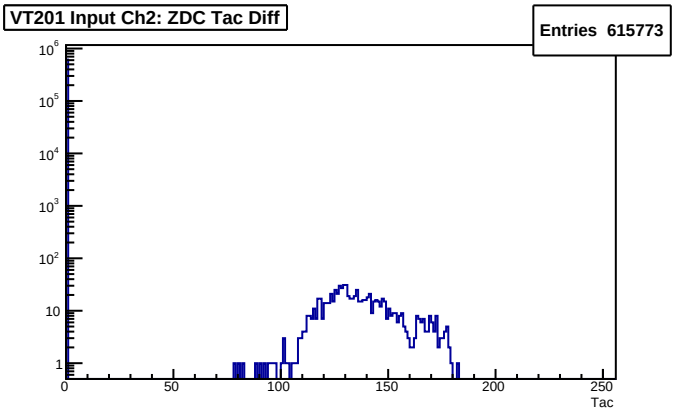

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

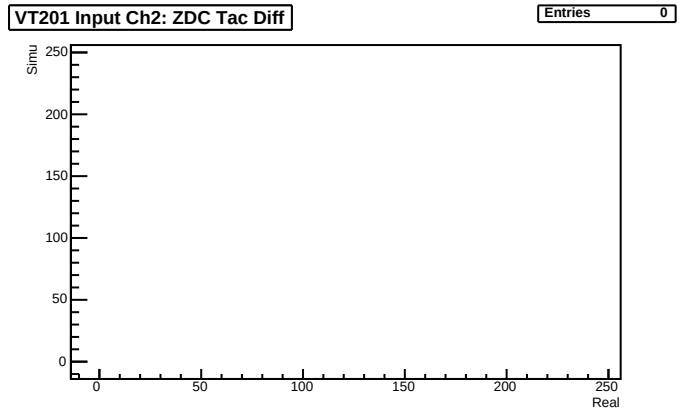

VT201 Input Ch1: EPD Tac Diff
Entries 615773
Tac

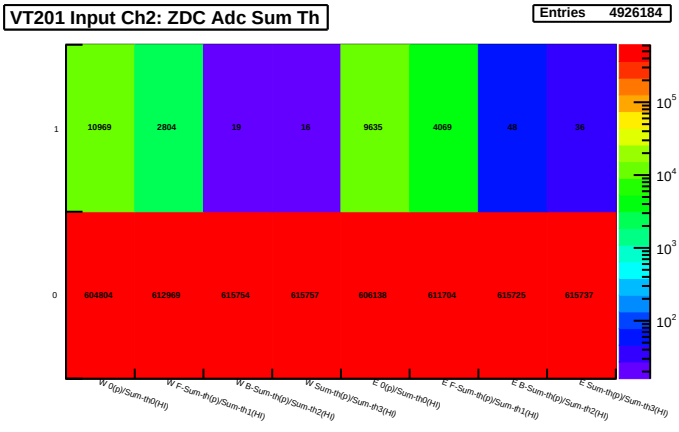

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

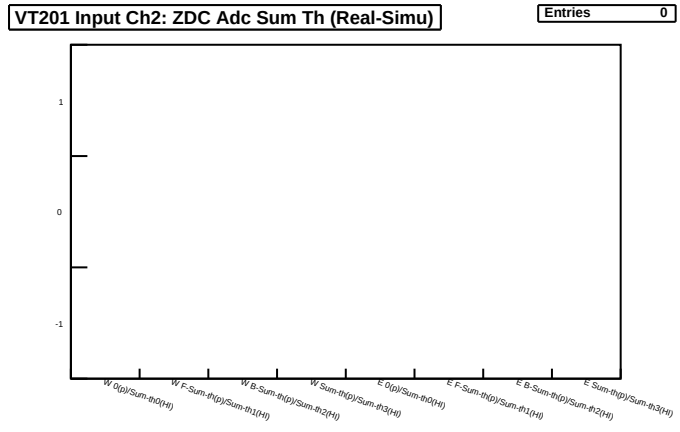

VT201 Input Ch1: EPD Hit Count Th
Entries 1231546
606473
604512
9300
11261
East
West

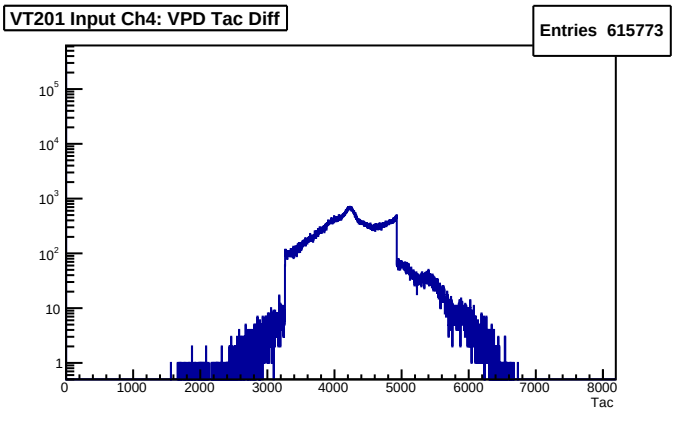

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

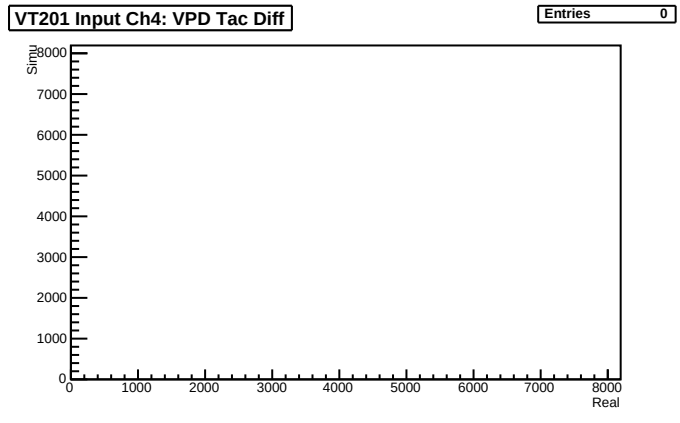

VT201 Input Ch2: ZDC Tac Diff
Entries 615773
Tac

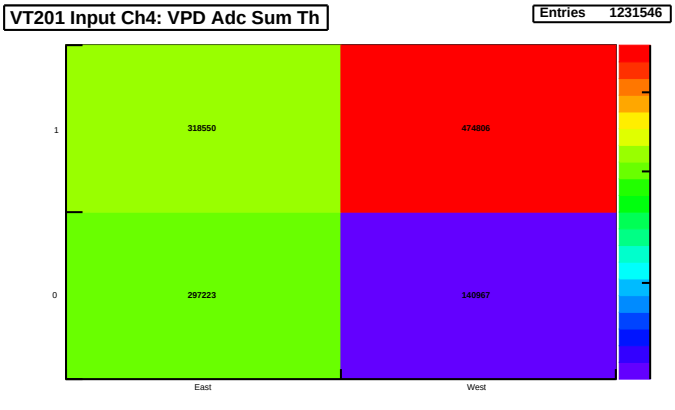

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

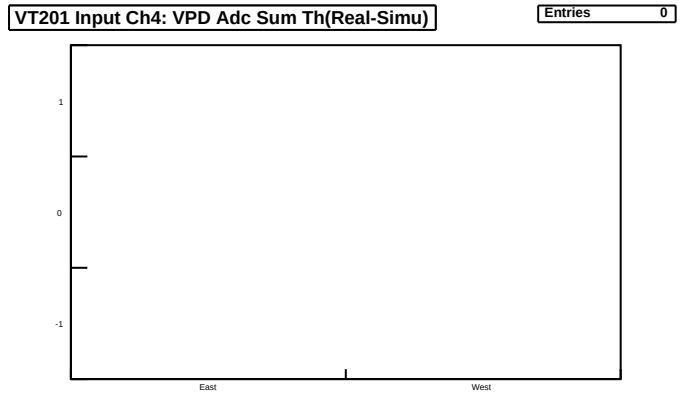

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4926184
10969
2804
19
16
9635
4069
48
36
604804
612969
615754
615757
606138
611704
615725
615737
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

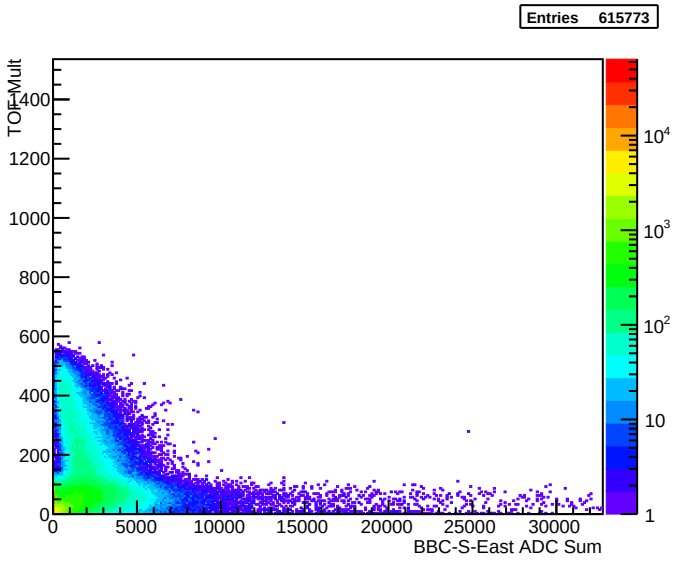

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

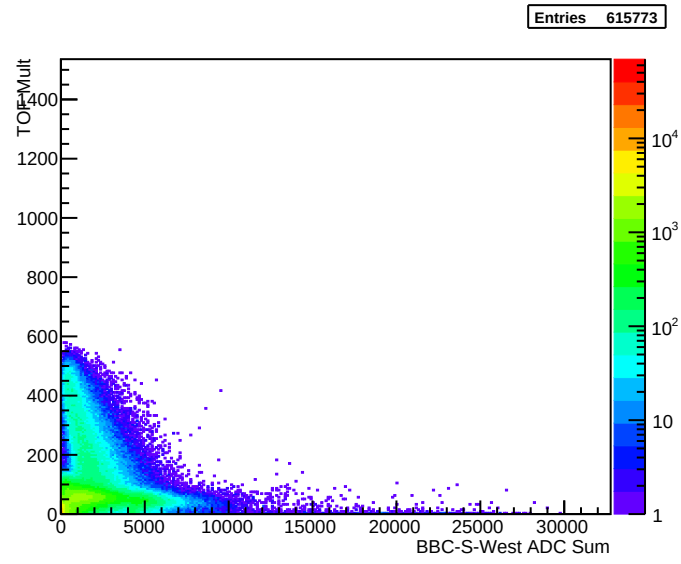

VT201 Input Ch4: VPD Tac Diff
Entries 615773
Tac

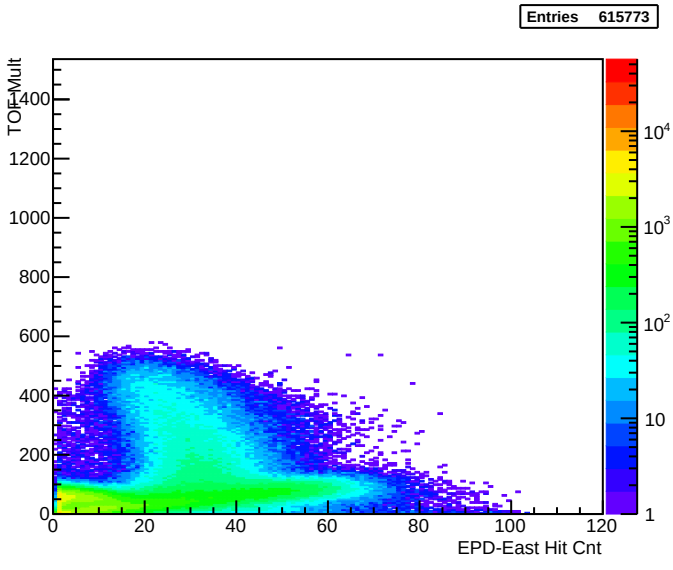

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

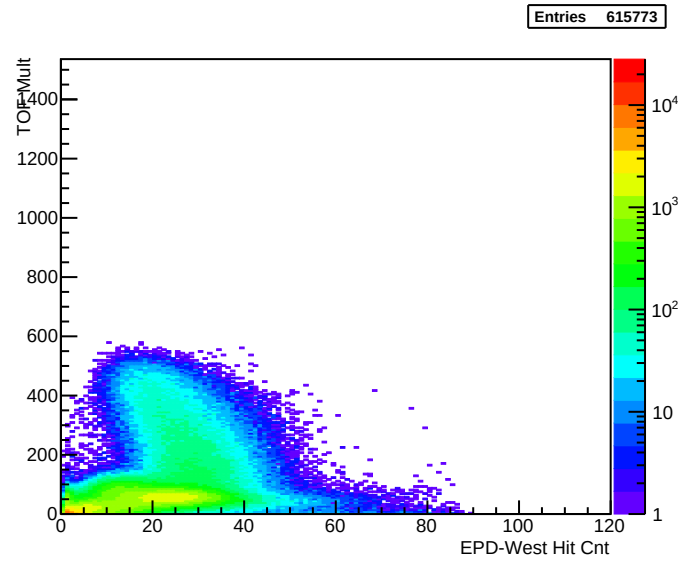

VT201 Input Ch4: VPD Adc Sum Th
Entries 1231546
318550
474806
297223
140967
East
West

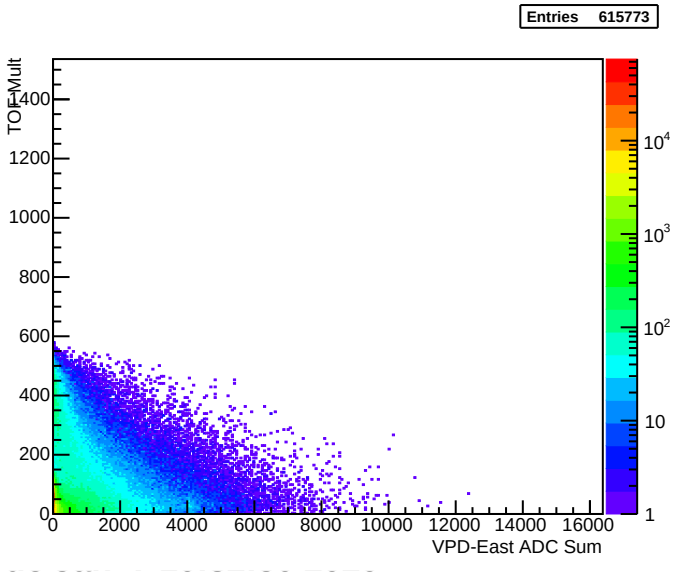

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

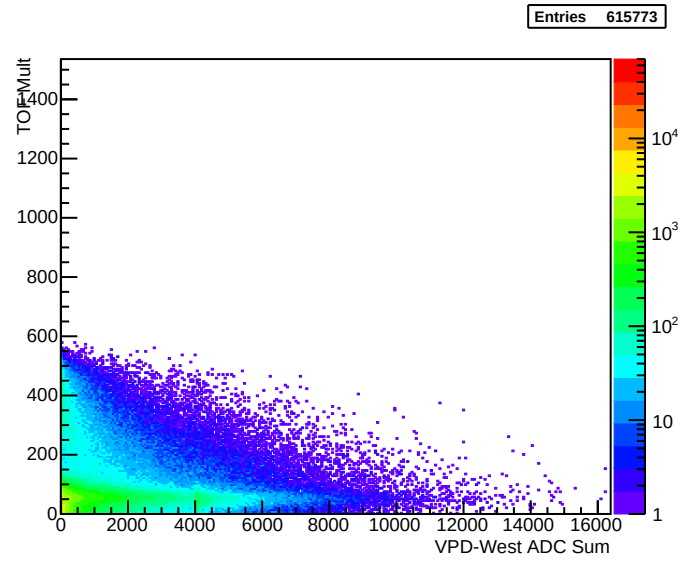

Entries 615773
TOF-Mult
BBC-S-East ADC Sum

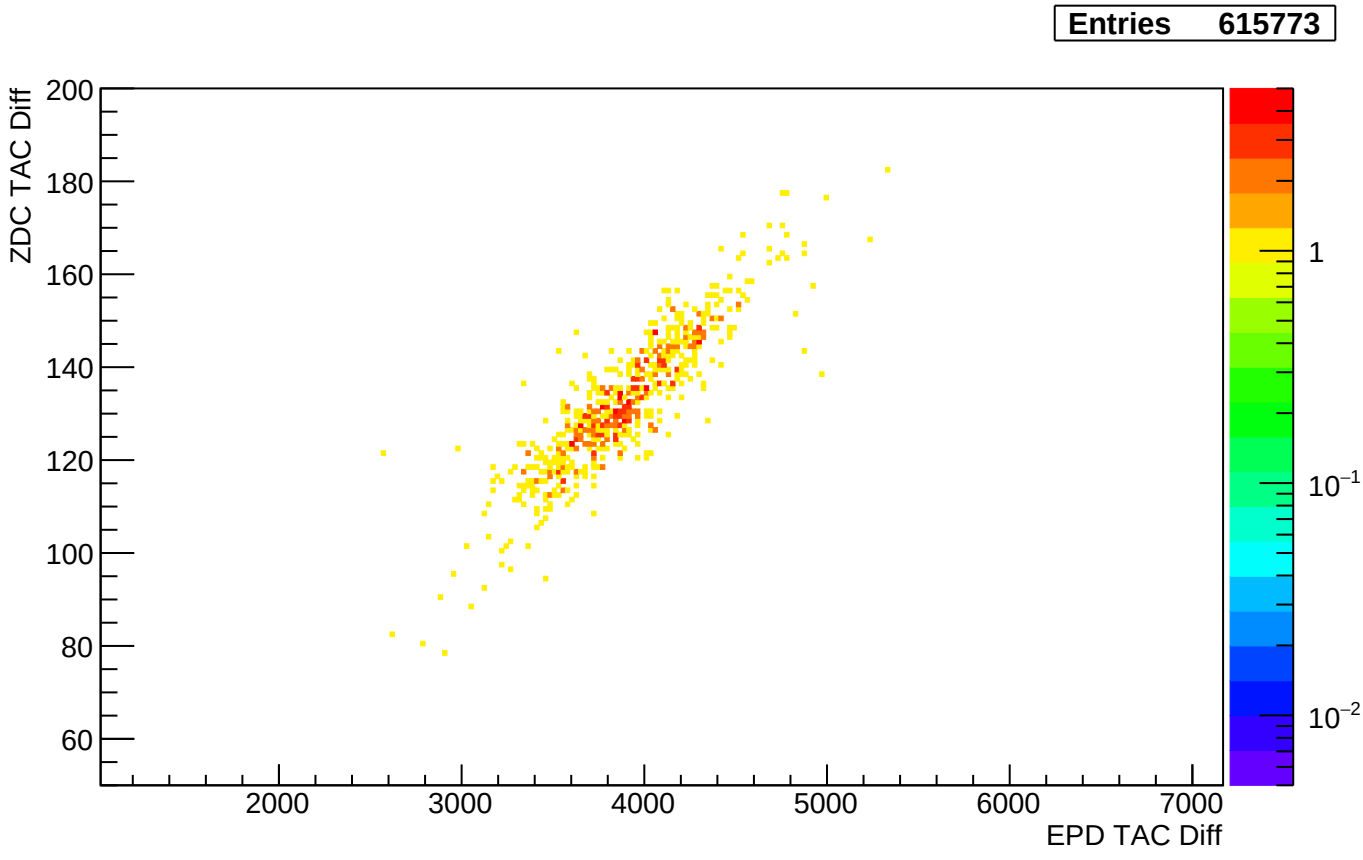

Entries 615773
TOF-Mult
BBC-S-West ADC Sum

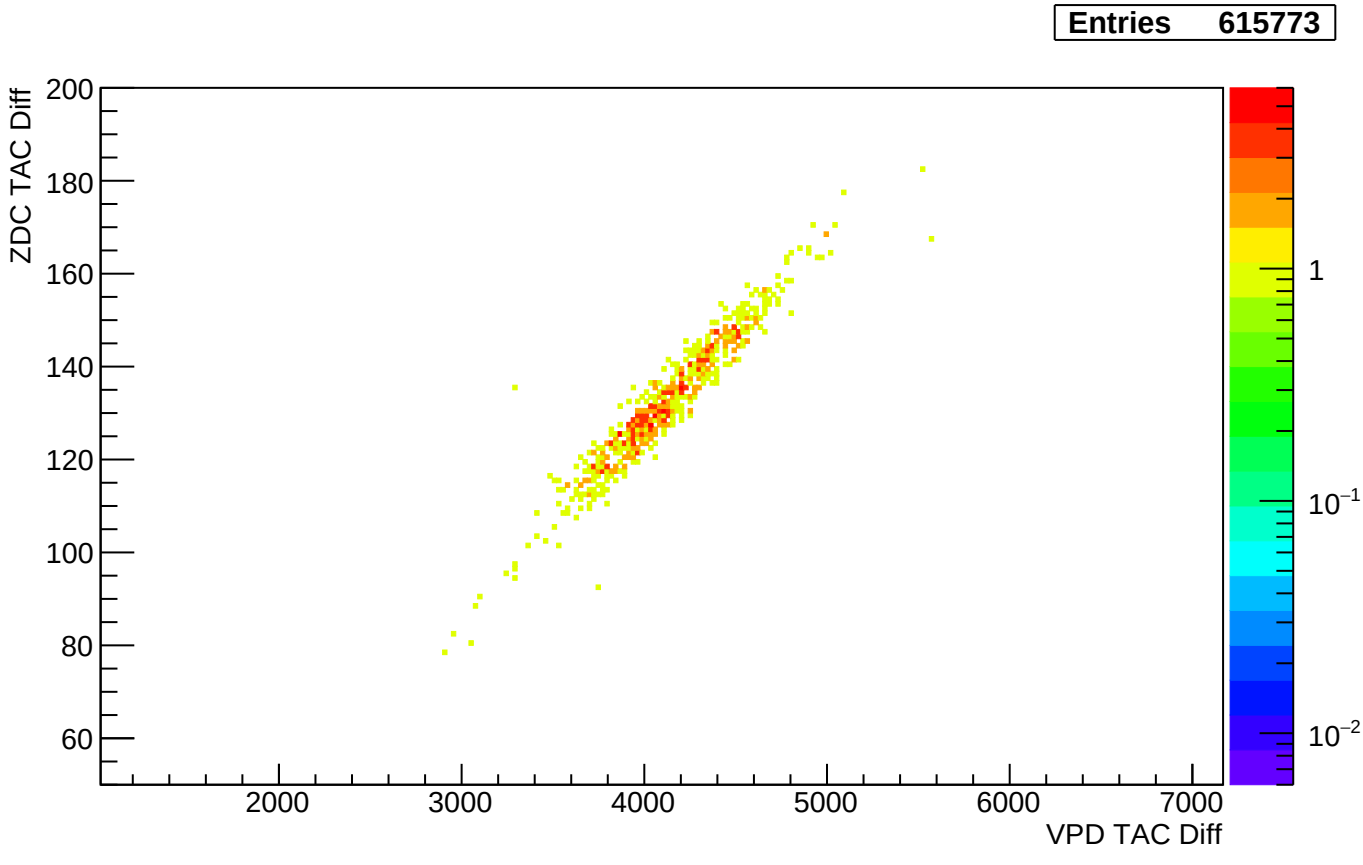

Entries 615773
TOF-Mult
EPD-East Hit Cnt

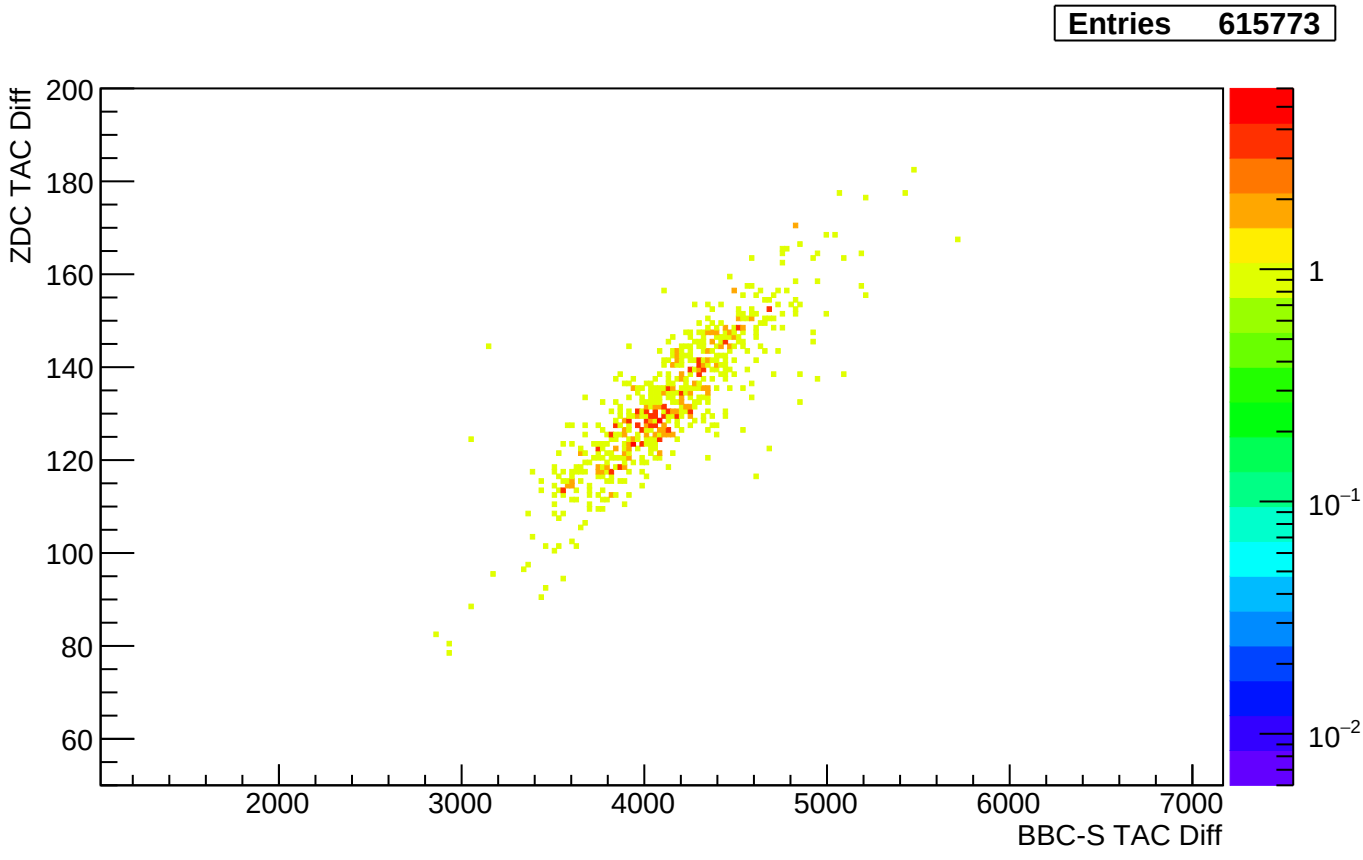

Entries 615773
TOF-Mult
EPD-West Hit Cnt

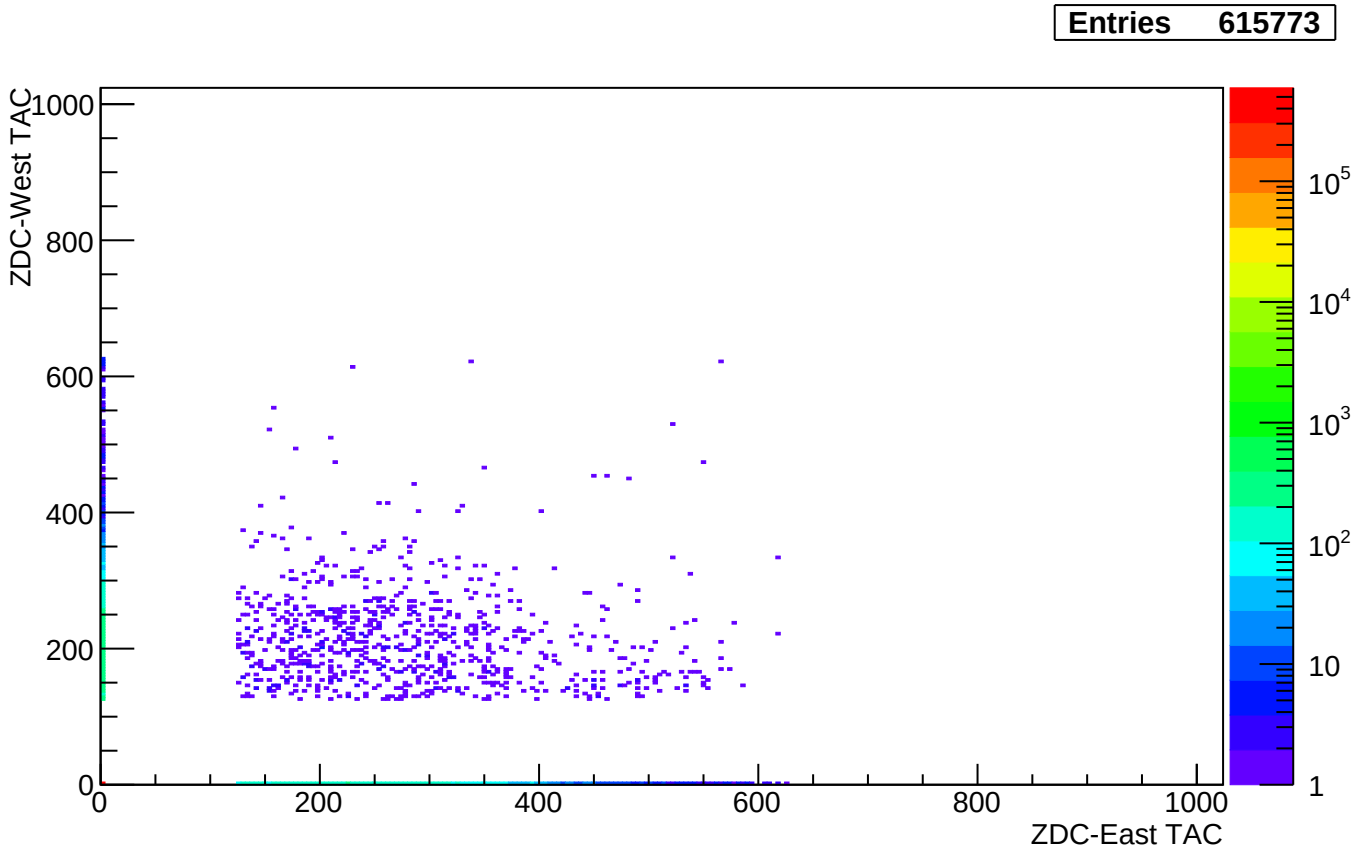

Entries 615773
TOF-Mult
VPD-East ADC Sum

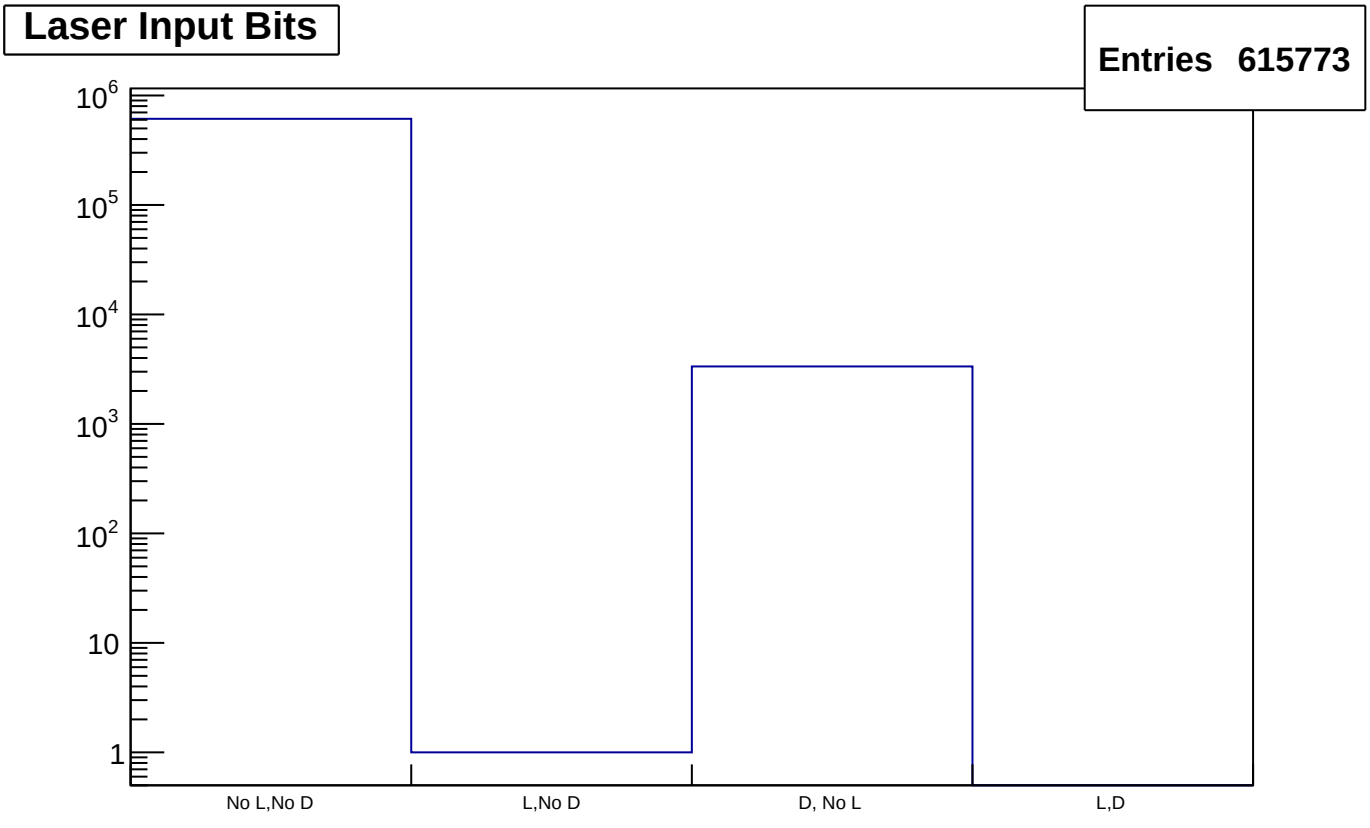

Entries 615773
TOF-Mult
VPD-West ADC Sum

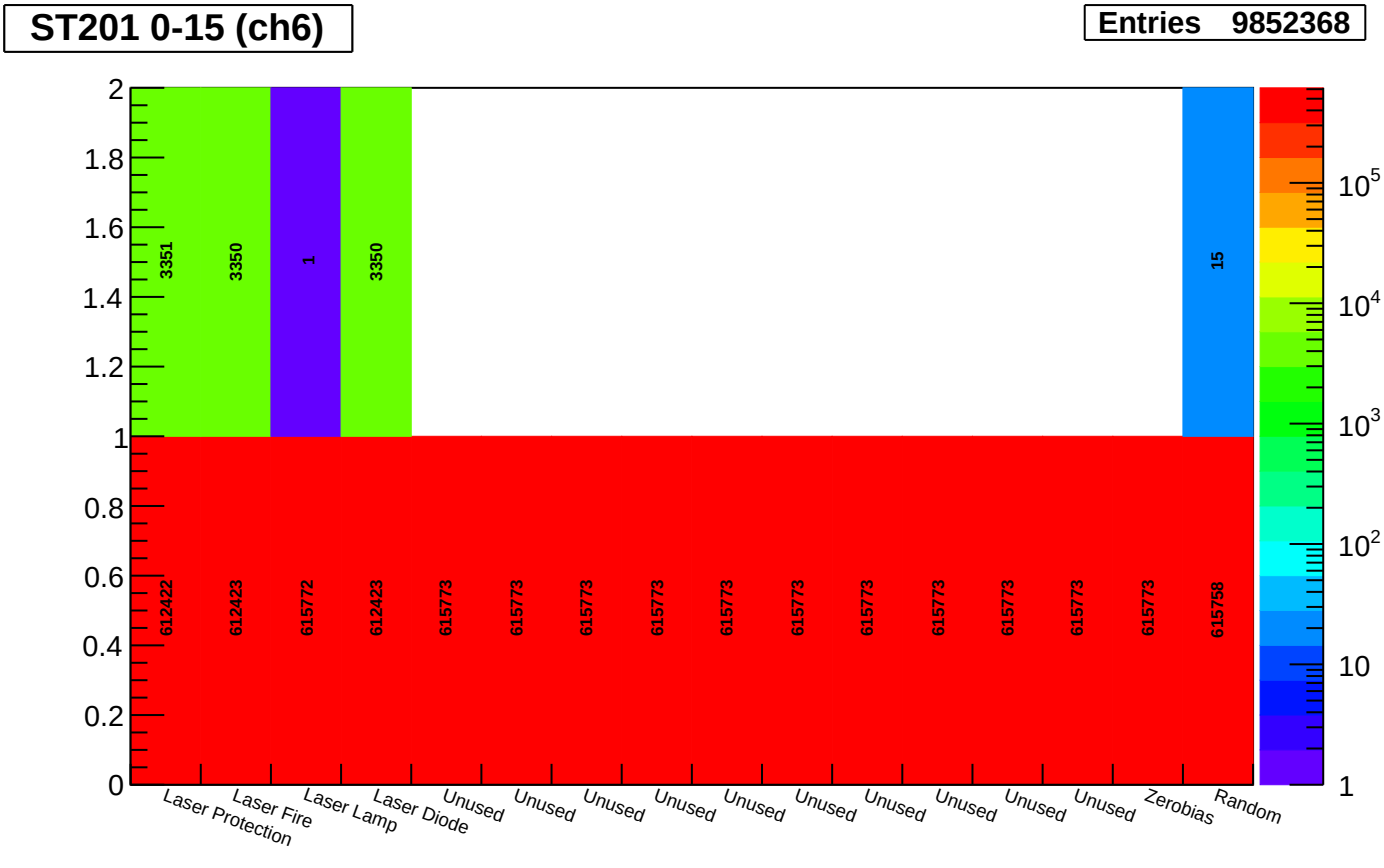

Entries 615773
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

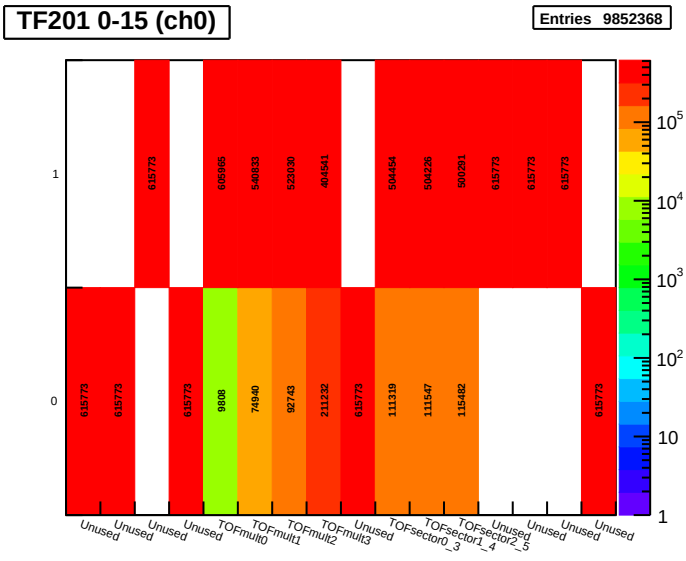

Entries 615773
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

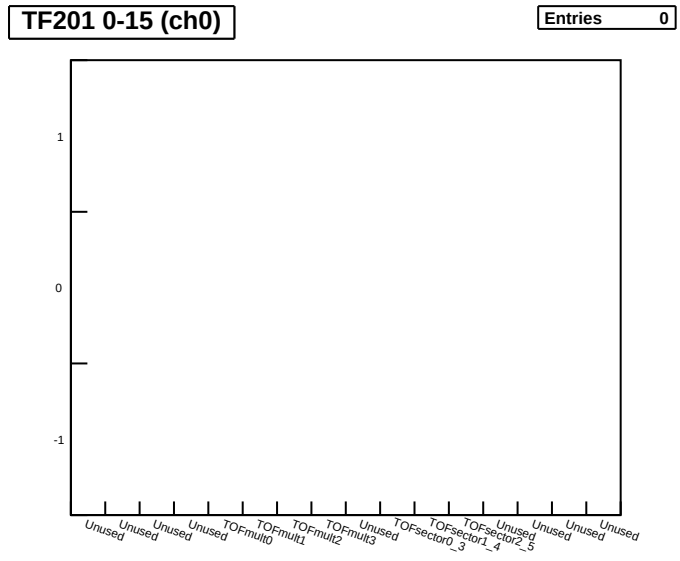

Entries 615773
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

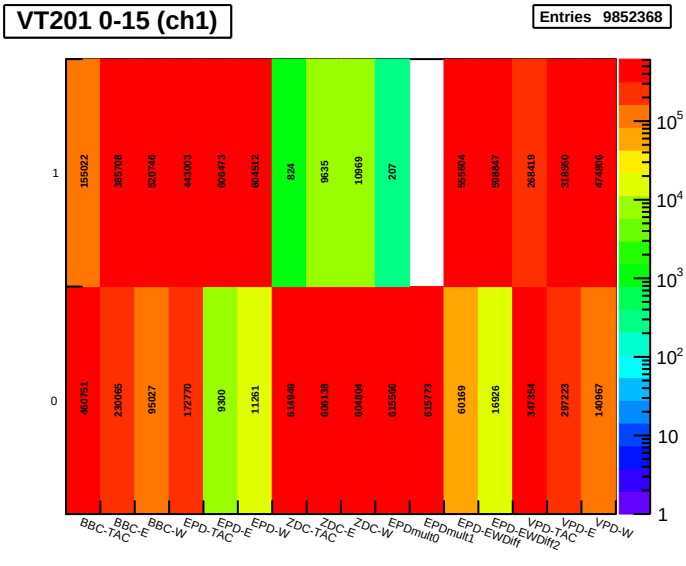

Entries 615773
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

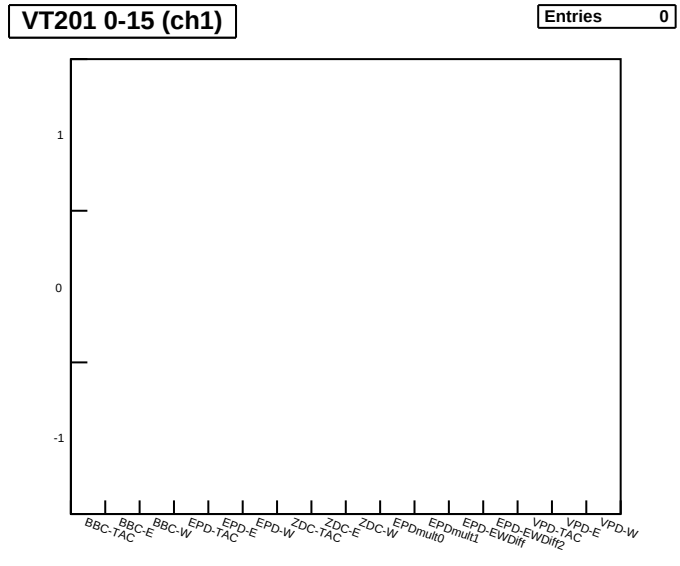

Laser Input Bits
Entries 615773
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

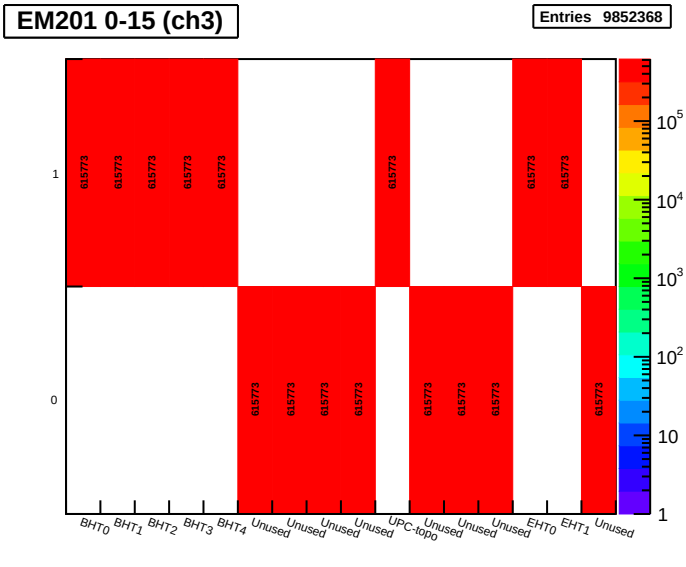

ST201 0-15 (ch6)
Entries 9852368
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3351
3350
1
3350
15
612422
612423
615772
612423
615773
615773
615773
615773
615773
615773
615773
615773
615773
615773
615773
615758
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

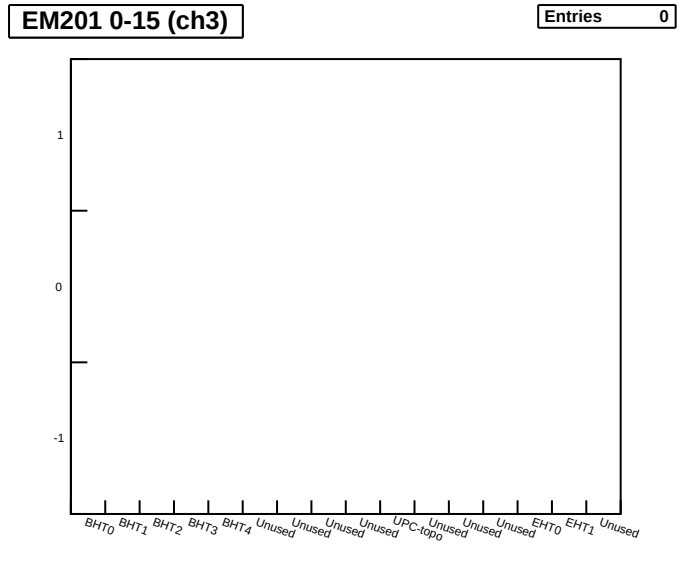

TF201 0-15 (ch0)
Entries 9852368
1
0
615773
605965
540833
523030
404541
504454
504226
500391
615773
615773
615773
615773
615773
615773
9808
74940
92743
211232
111319
111547
115482
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 9852368
1
0
155022
385708
520746
443003
606473
604512
824
9635
10069
207
555604
598847
268419
318550
474806
460751
230065
95027
172770
9300
11261
614949
606138
604804
615566
615773
60169
16926
347354
297223
140967
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 9852368
1
0
615773
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