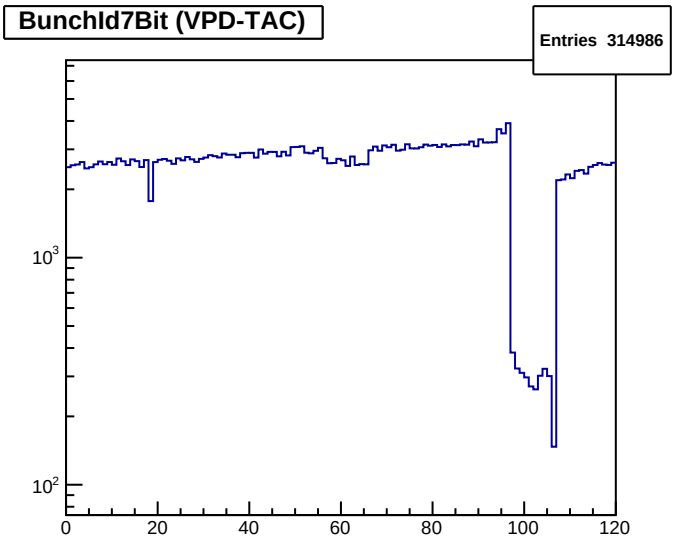
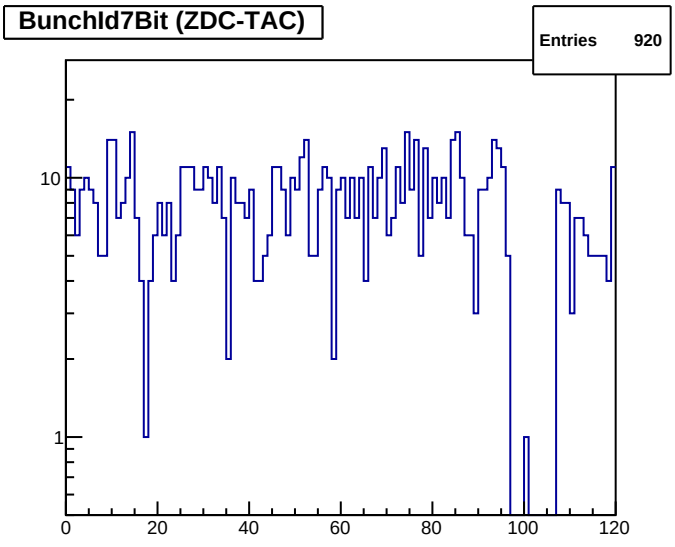
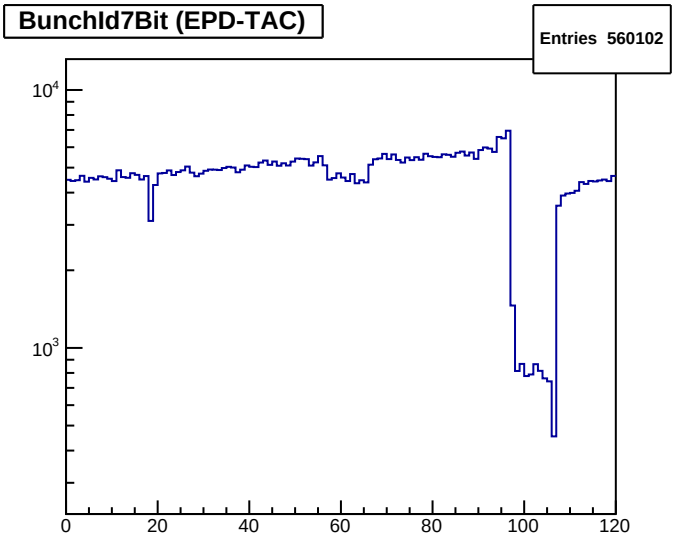
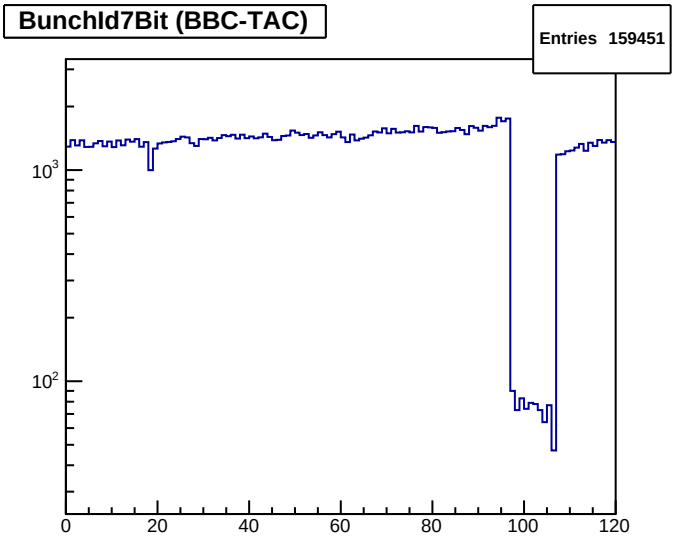
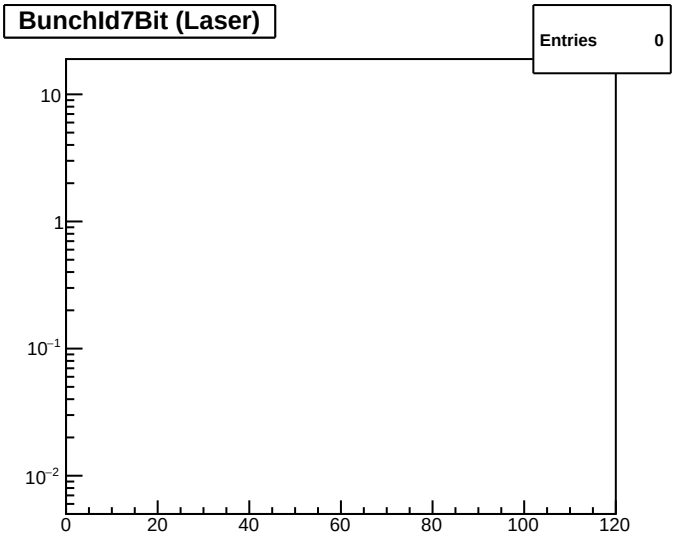
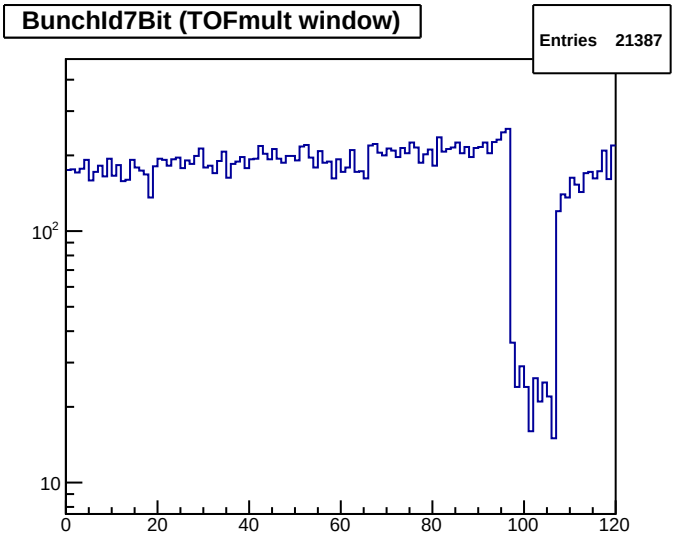

BunchId7Bit (VPD-TAC)
Entries 314986
10^3
10^2
0 20 40 60 80 100 120

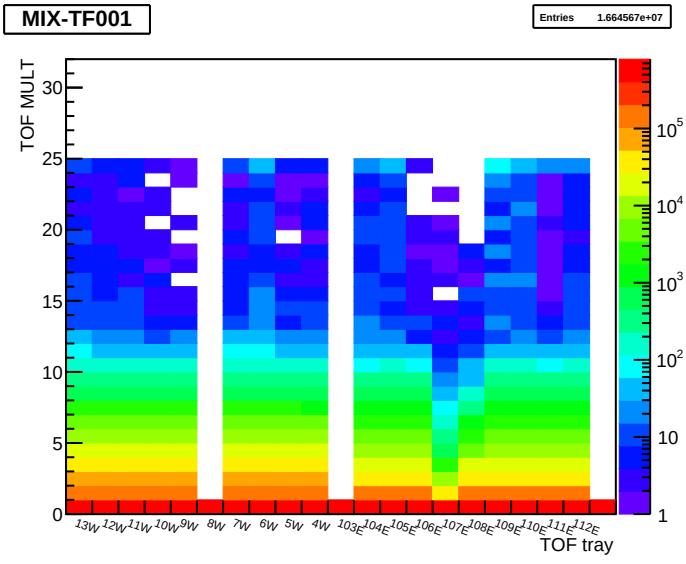

BunchId7Bit (ZDC-TAC)
Entries 920
10
1
0 20 40 60 80 100 120

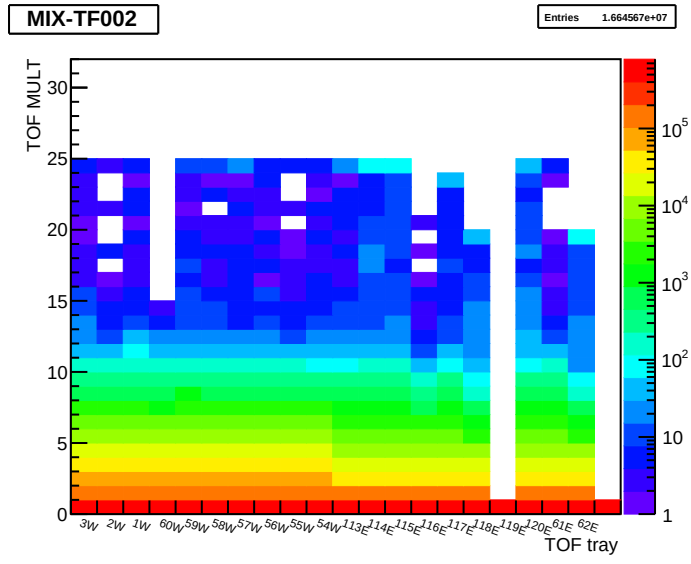

BunchId7Bit (EPD-TAC)
Entries 560102
10^4
10^3
0 20 40 60 80 100 120

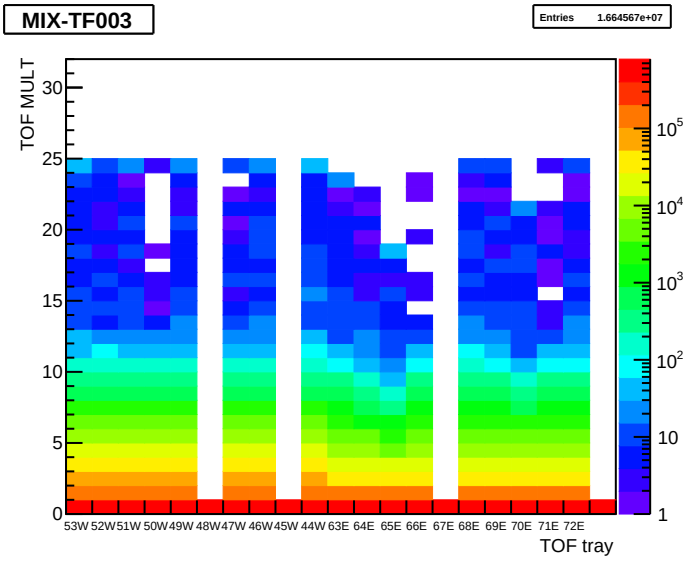

BunchId7Bit (BBC-TAC)
Entries 159451
10^3
10^2
0 20 40 60 80 100 120

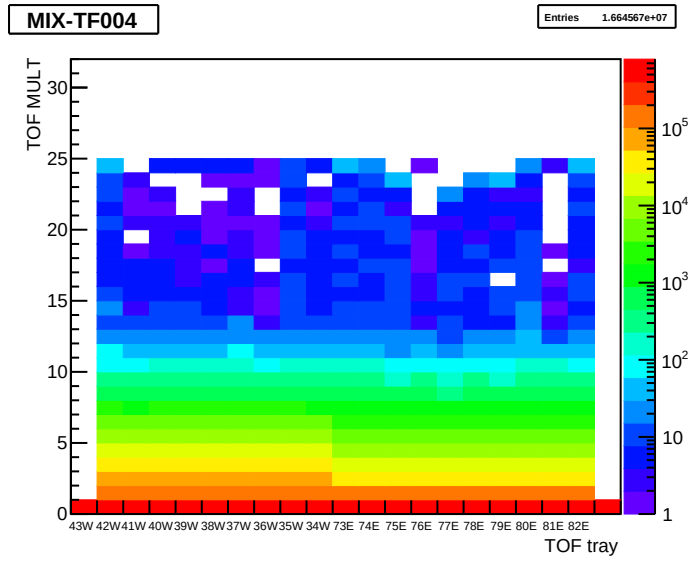

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

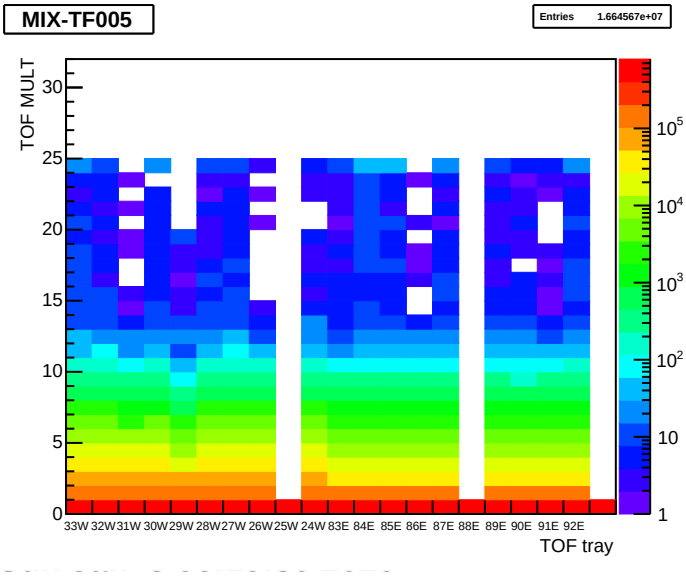

BunchId7Bit (TOFmult window)
Entries 21387
10^2
10
0 20 40 60 80 100 120

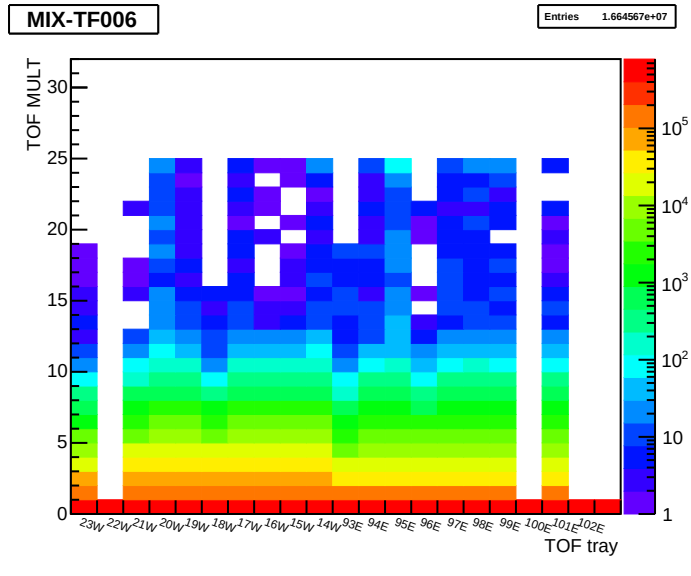

MIX-TF001
Entries 1.664567e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

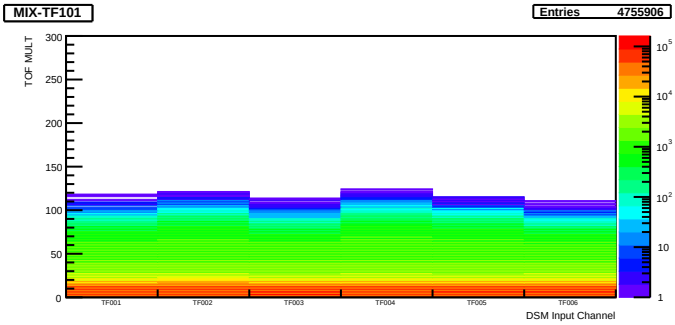

MIX-TF002
Entries 1.664567e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

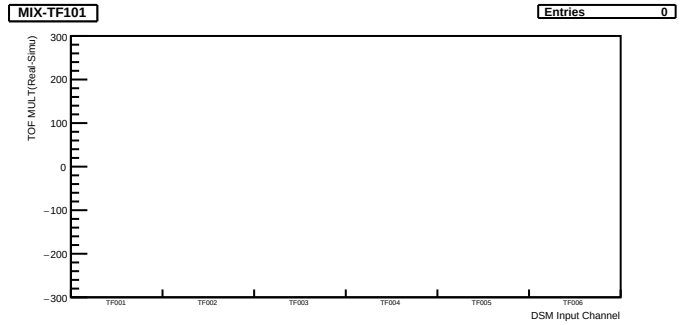

MIX-TF003
Entries 1.664567e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

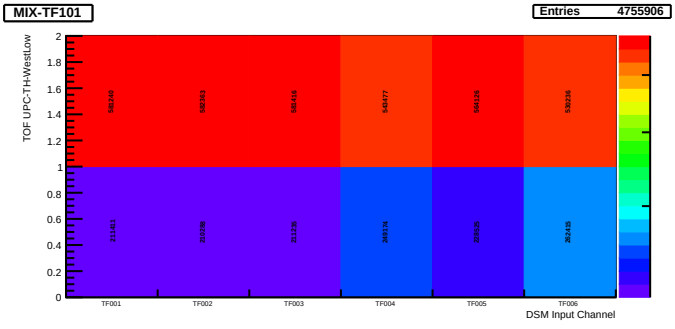

MIX-TF004
Entries 1.664567e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

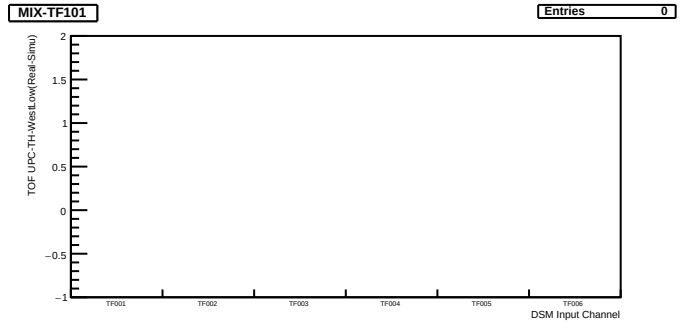

MIX-TF005
Entries 1.664567e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

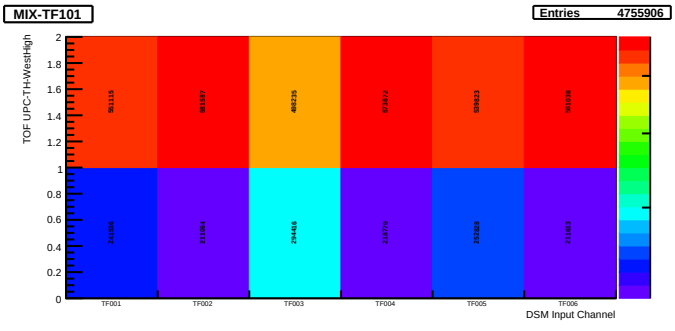

MIX-TF006
Entries 1.664567e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

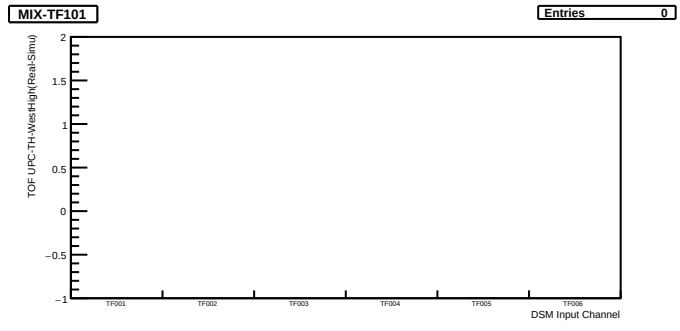

MIX-TF101
Entries 4755906
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

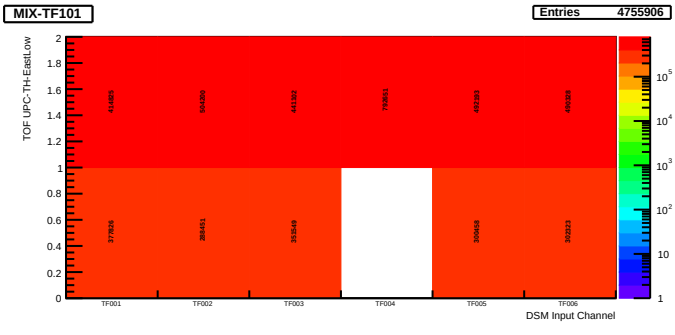

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

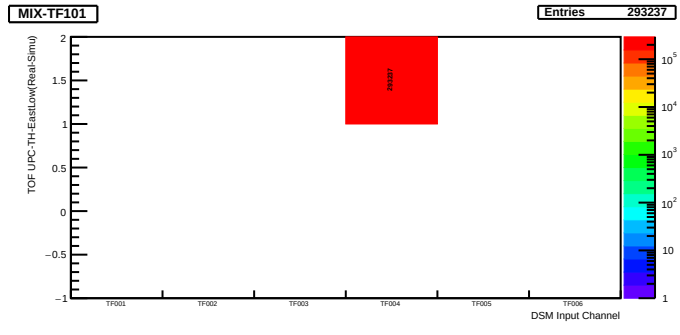

MIX-TF101
Entries 4755906
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

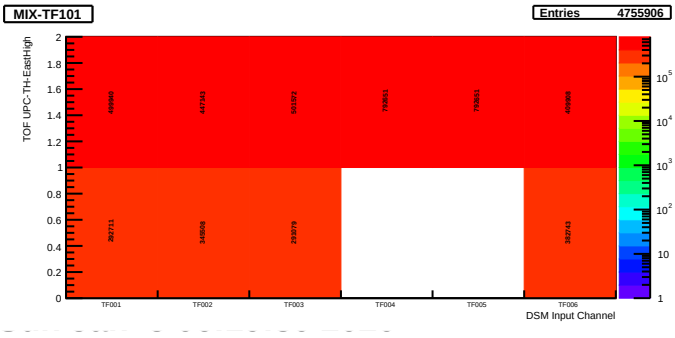

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

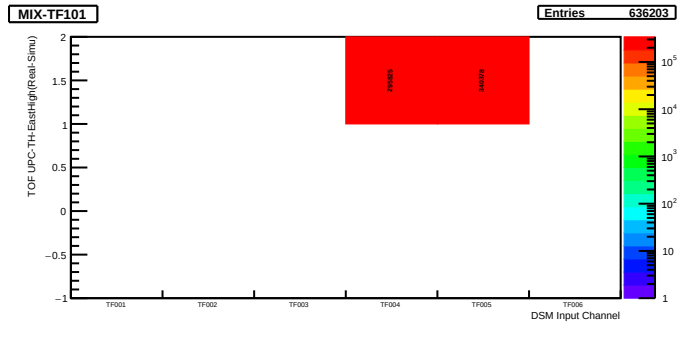

MIX-TF101
Entries 4755906
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

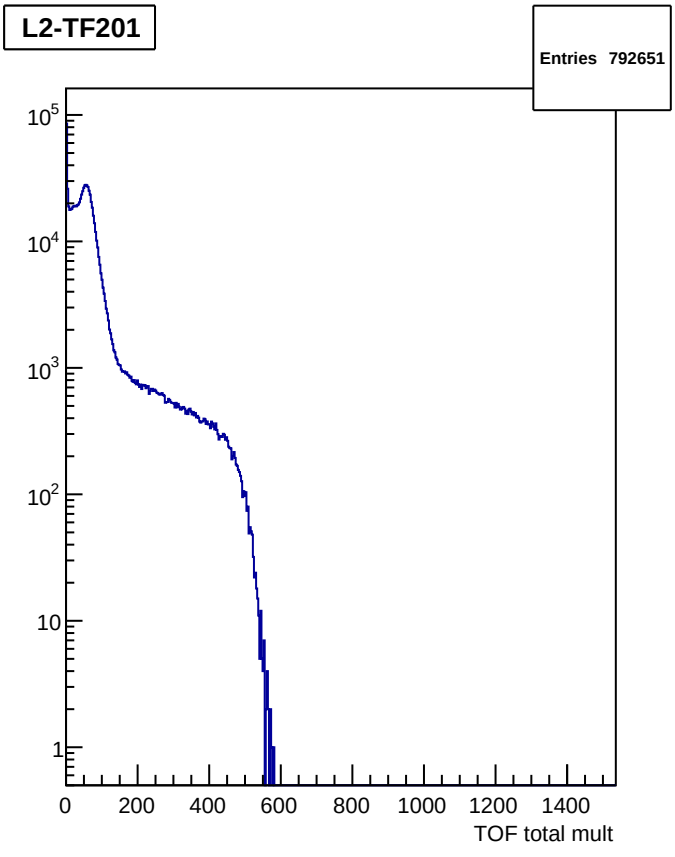

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

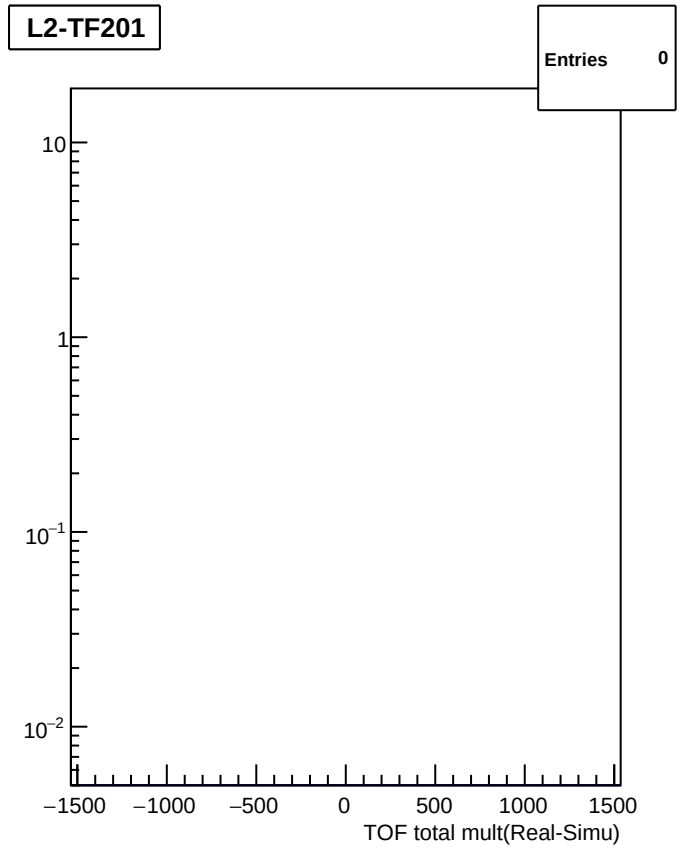

MIX-TF101
Entries 4755906
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

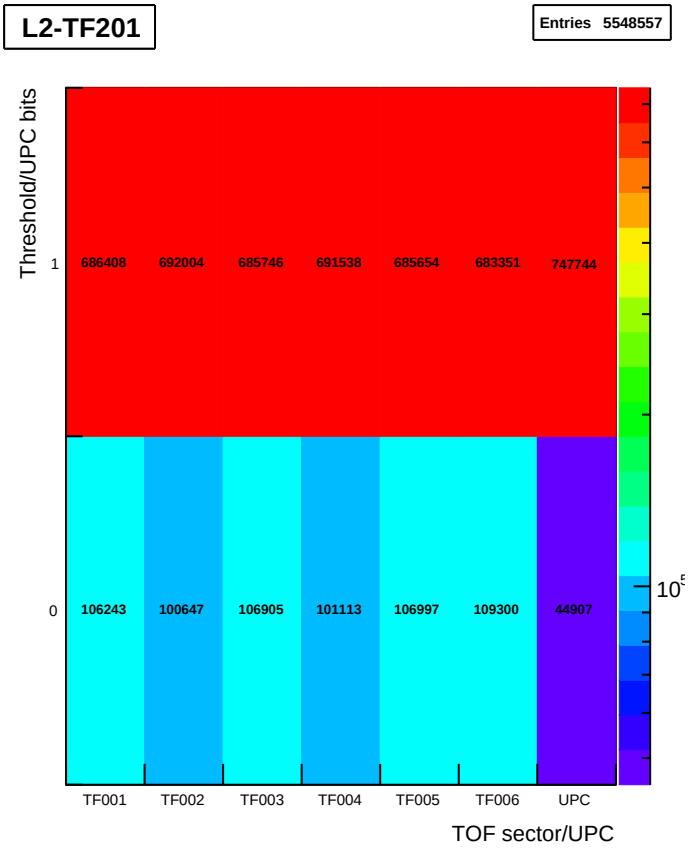

MIX-TF101
Entries 293237
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

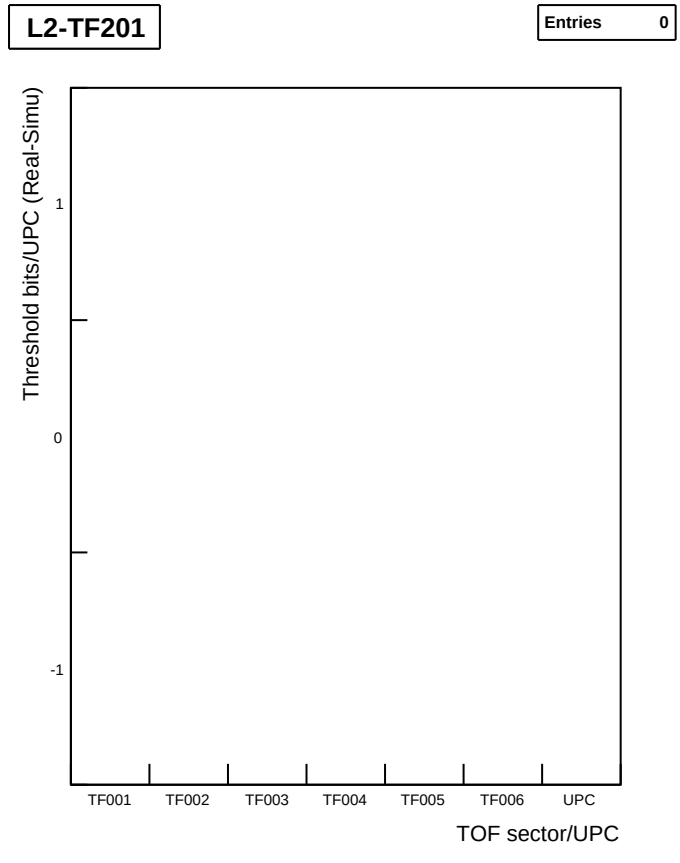

MIX-TF101
Entries 4755906
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

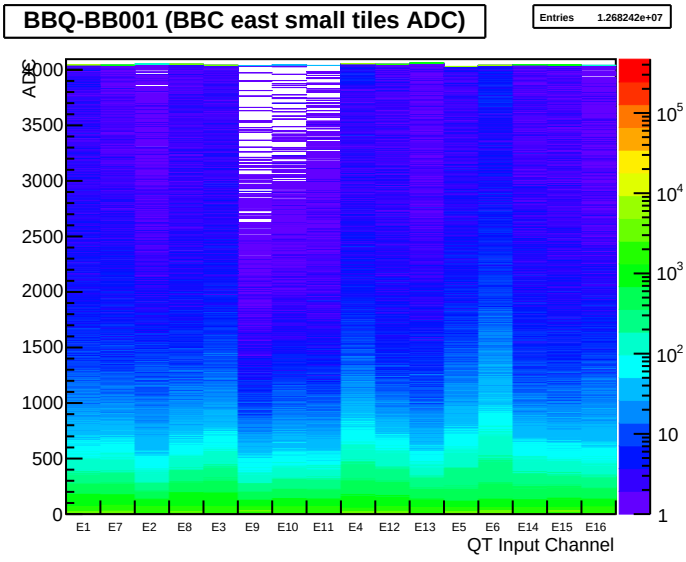

MIX-TF101
Entries 636203
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

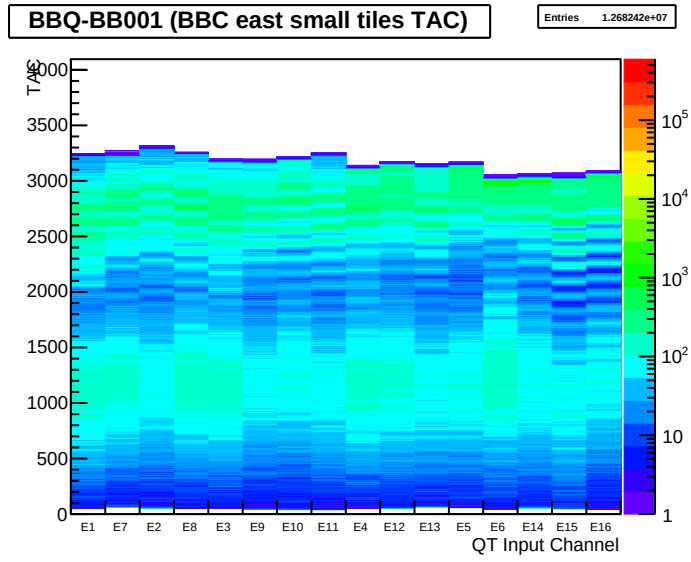

L2-TF201
Entries 792651
TOF total mult

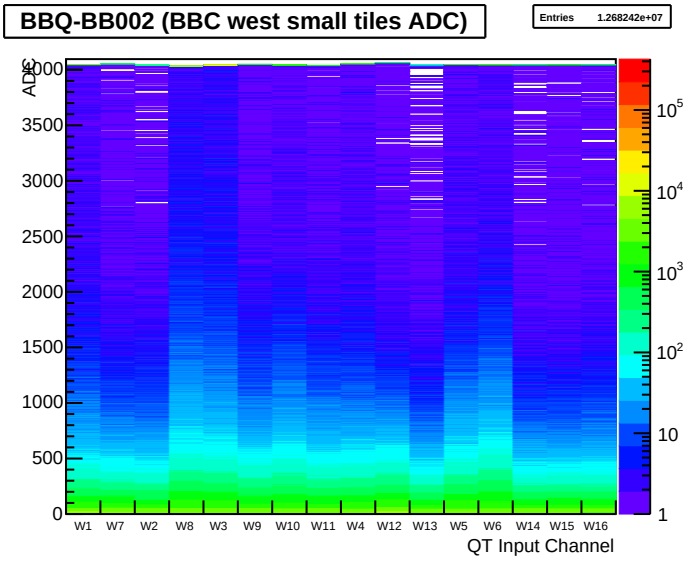

L2-TF201
Entries 0
TOF total mult(Real-Simu)

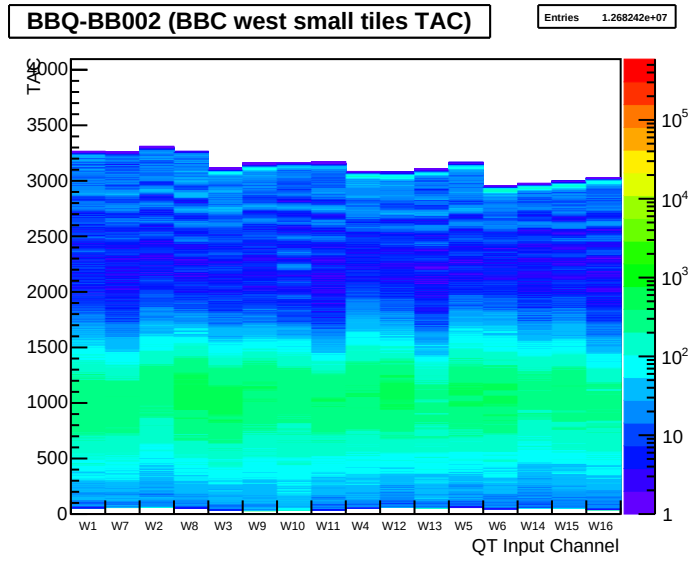

L2-TF201
Entries 5548557
Threshold/UPC bits
686408
692004
685746
691538
685654
683351
747744
106243
100647
106905
101113
106997
109300
44907
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

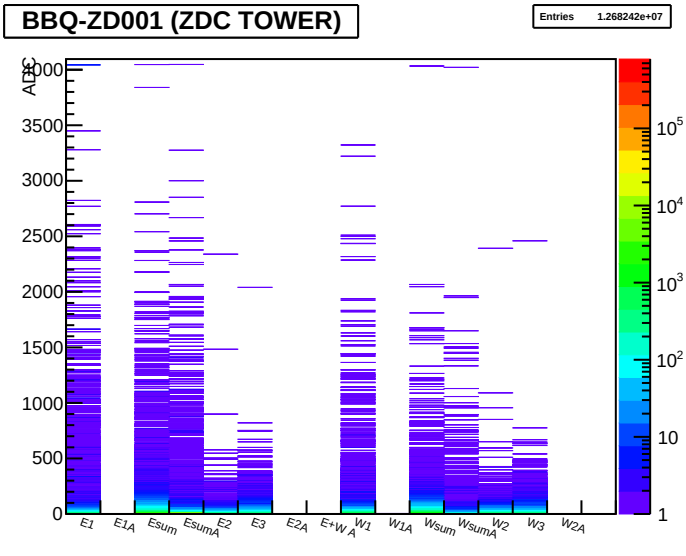

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

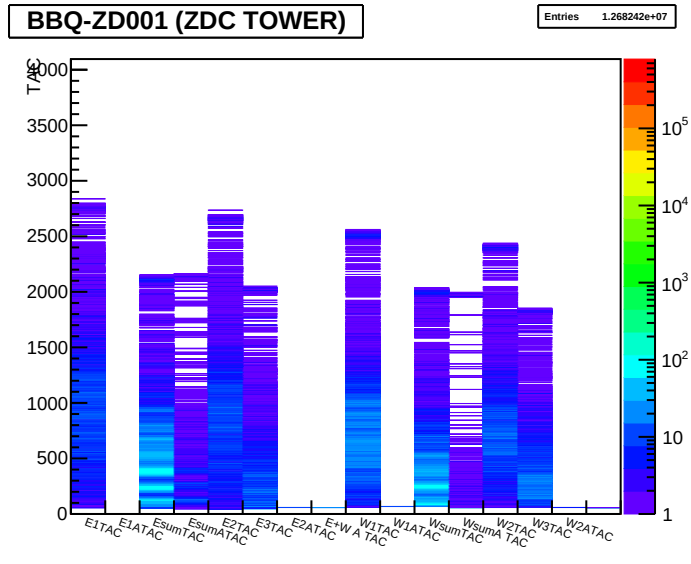

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.268242e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

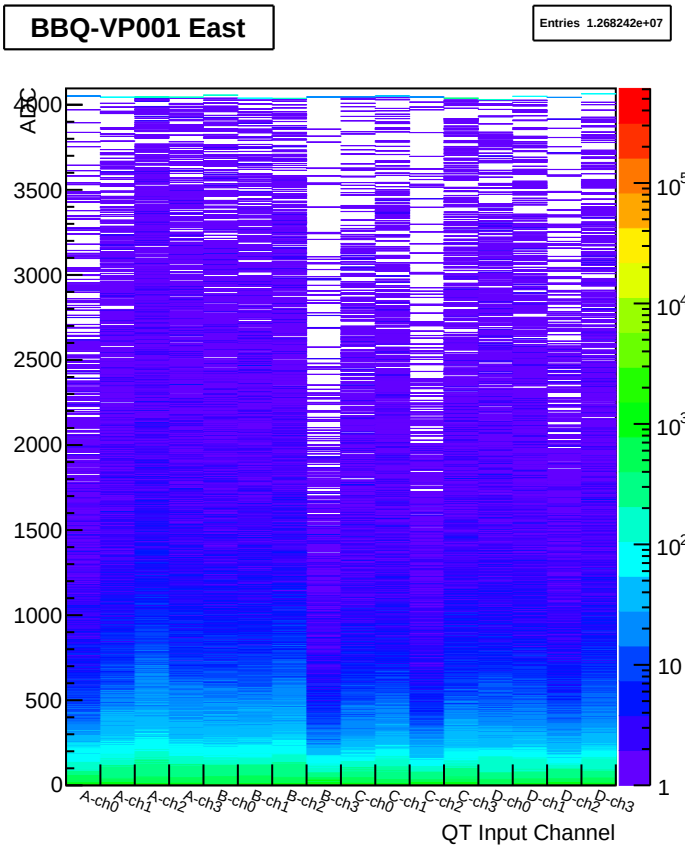

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.268242e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

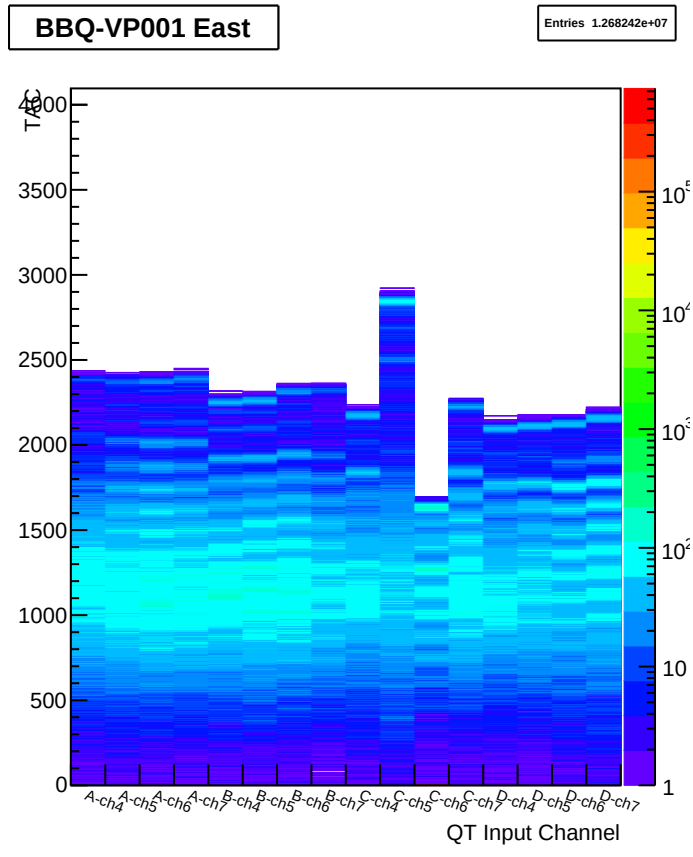

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.268242e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

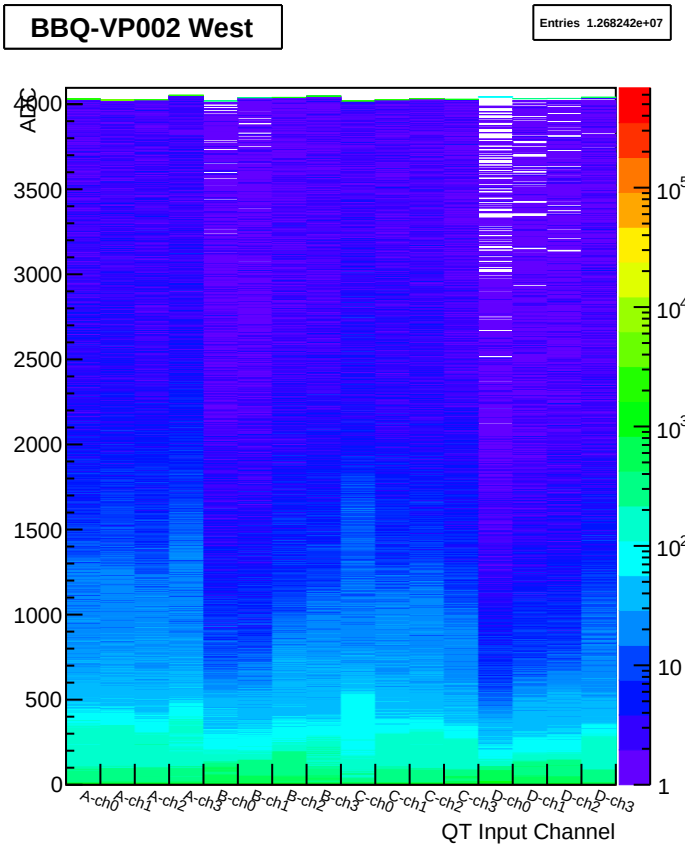

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.268242e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

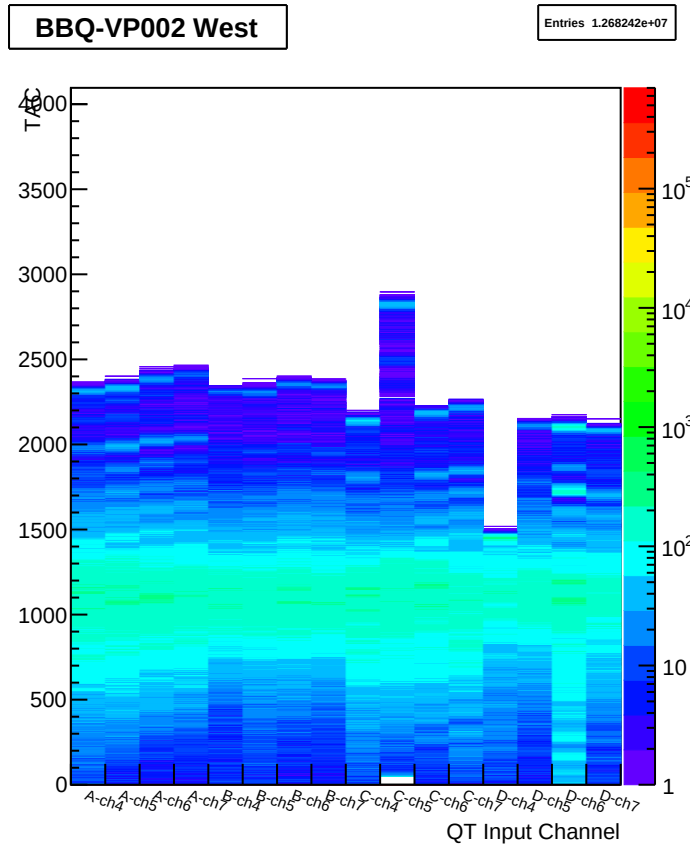

BBQ-ZD001 (ZDC TOWER)
Entries 1.268242e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

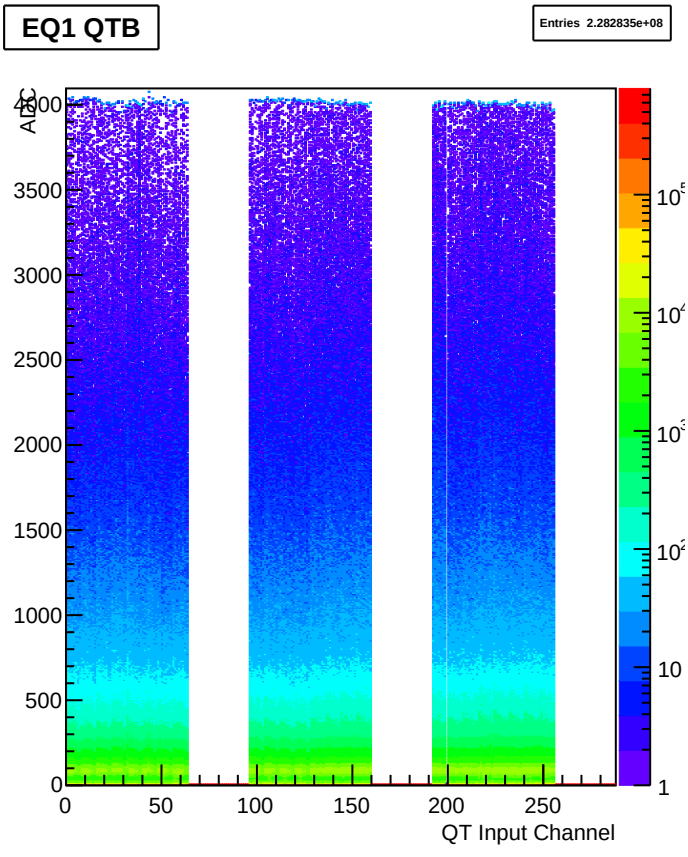

BBQ-ZD001 (ZDC TOWER)
Entries 1.268242e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

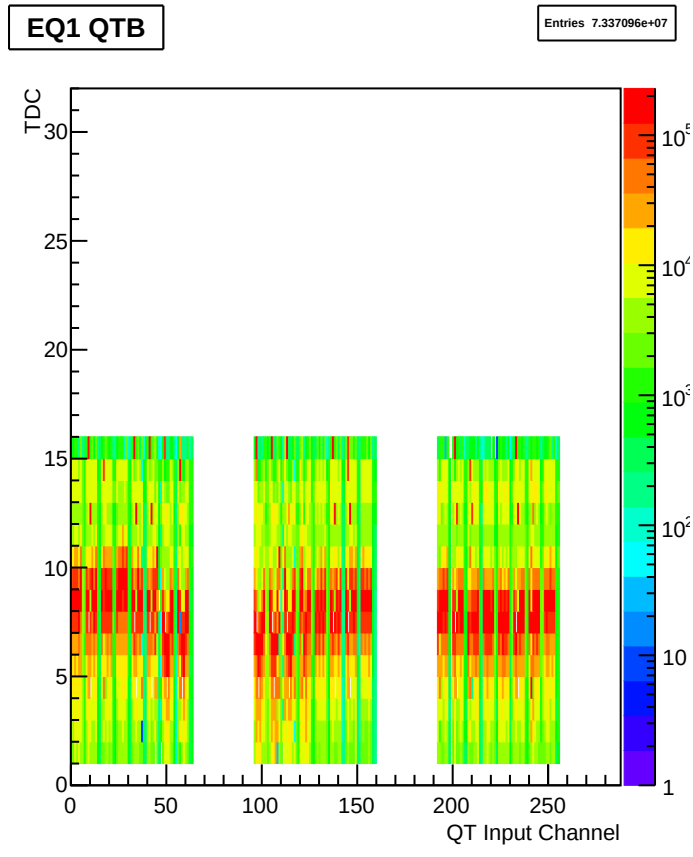

BBQ-VP001 East
Entries 1.268242e+07
ADC
QT Input Channel

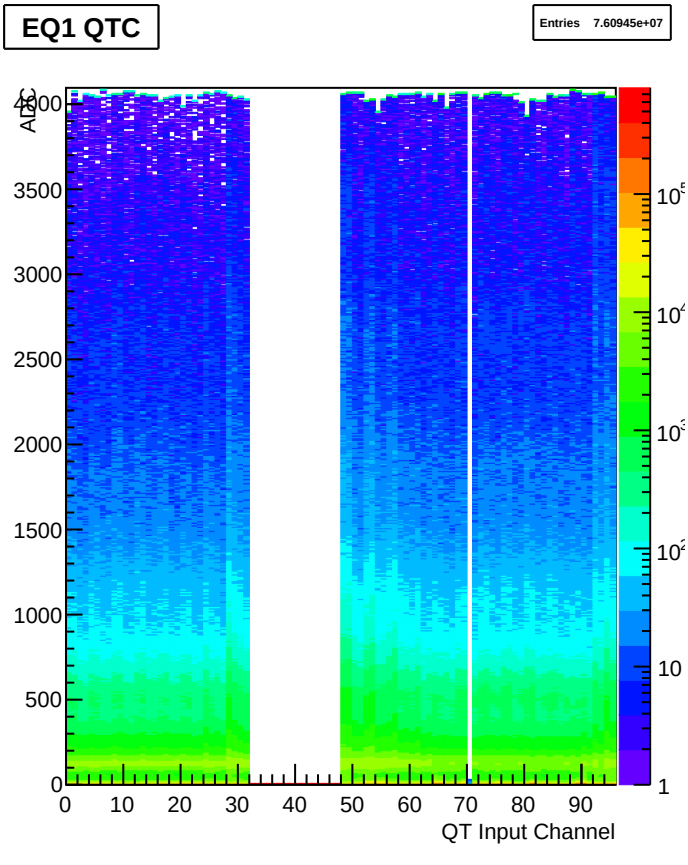

BBQ-VP001 East
Entries 1.268242e+07
ADC
QT Input Channel

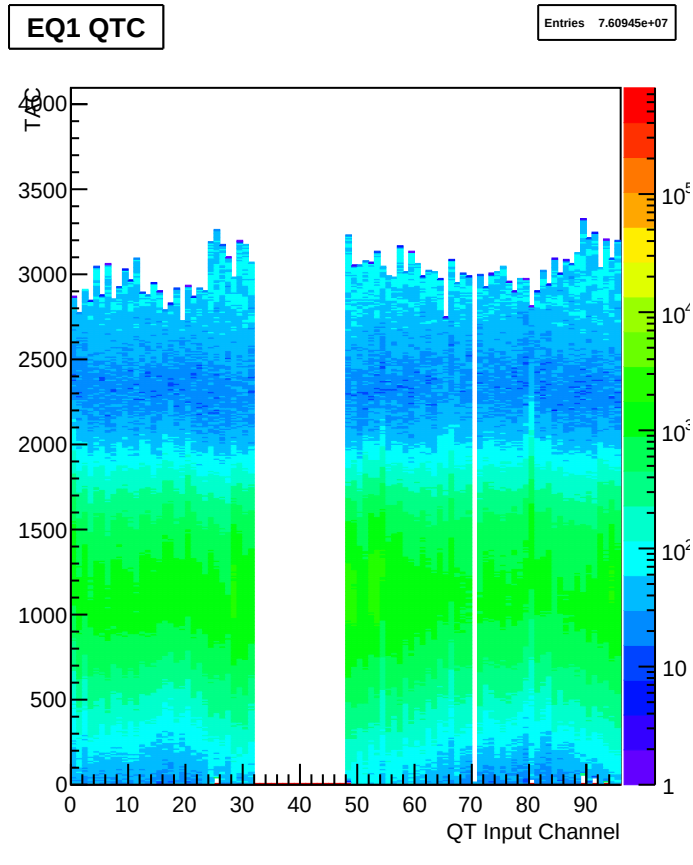

BBQ-VP002 West
Entries 1.268242e+07
ADC
QT Input Channel

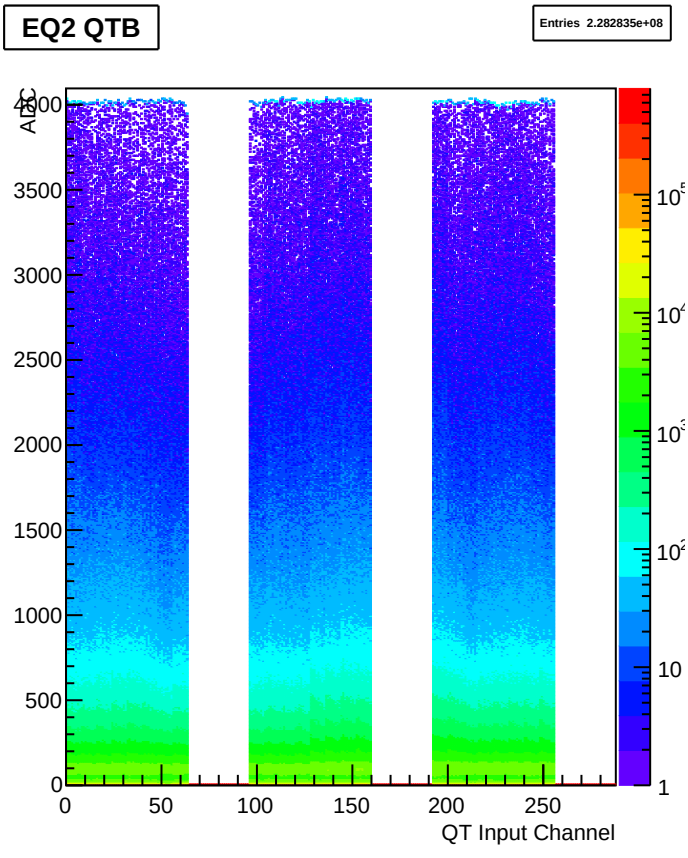

BBQ-VP002 West
Entries 1.268242e+07
ADC
QT Input Channel

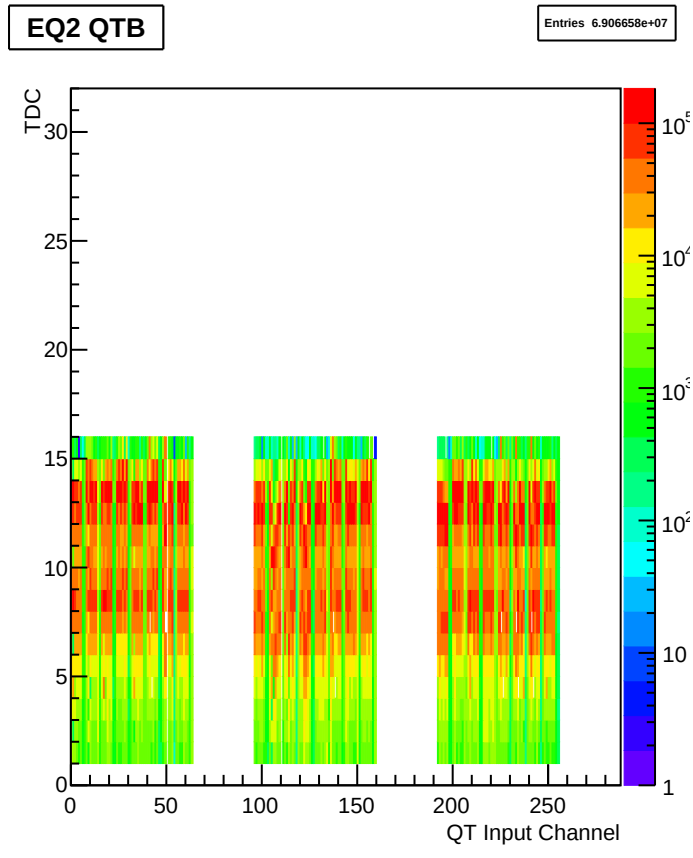

EQ1 QTB
Entries 2.282835e+08
ADC
QT Input Channel

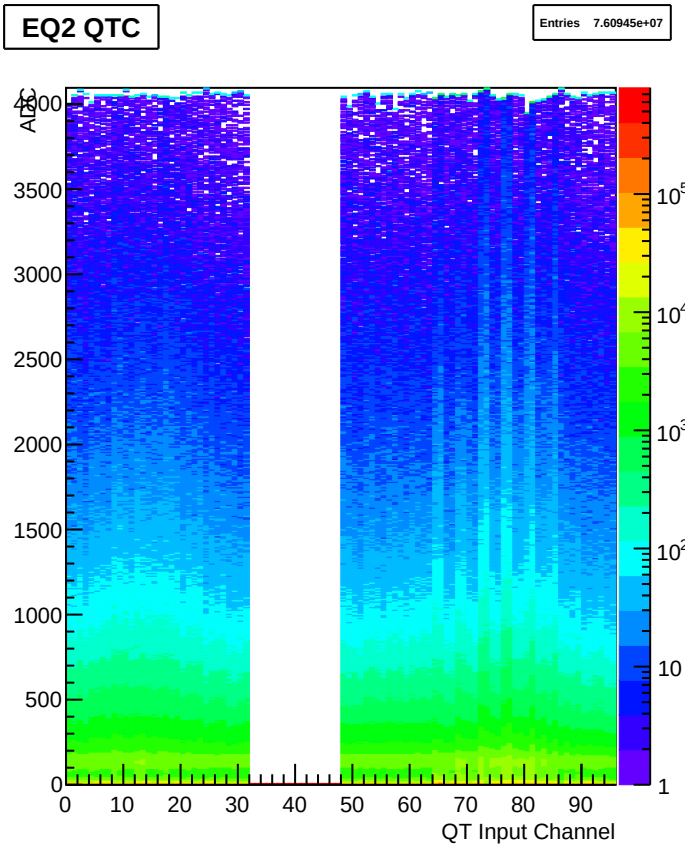

EQ1 QTB
Entries 7.337096e+07
TDC
QT Input Channel

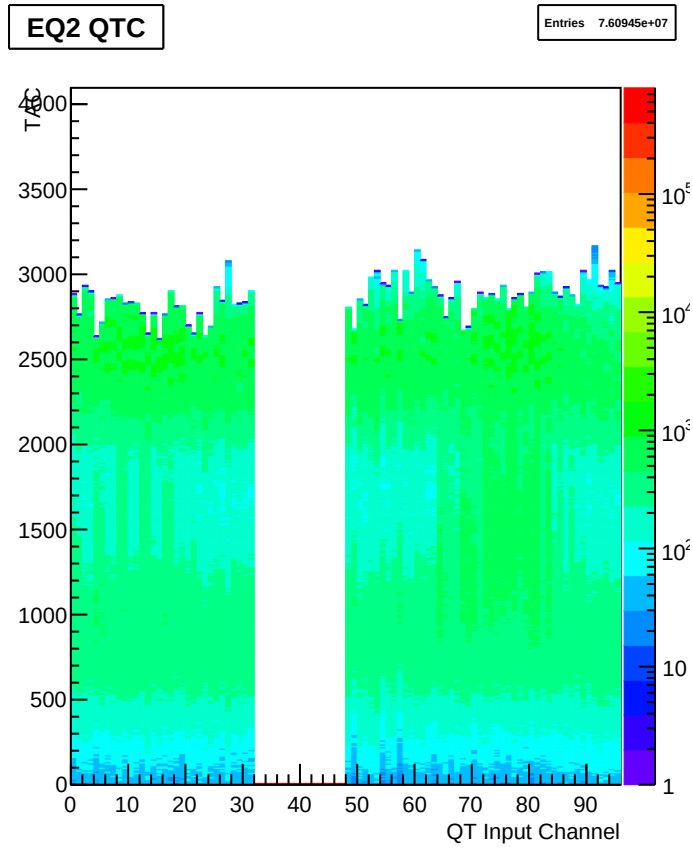

EQ1 QTC
Entries 7.60945e+07
ADC
QT Input Channel

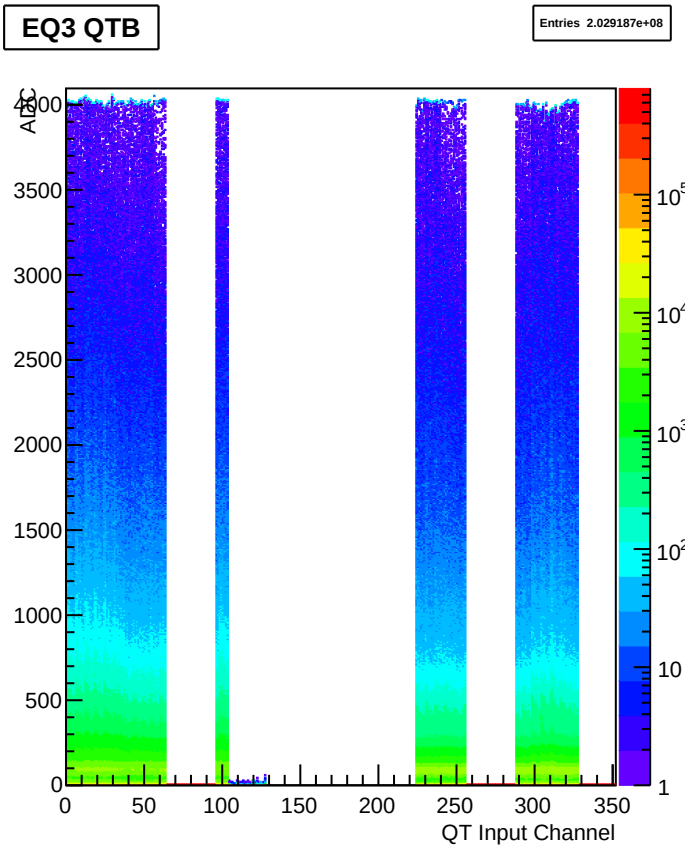

EQ1 QTC
Entries 7.60945e+07
TADC
QT Input Channel

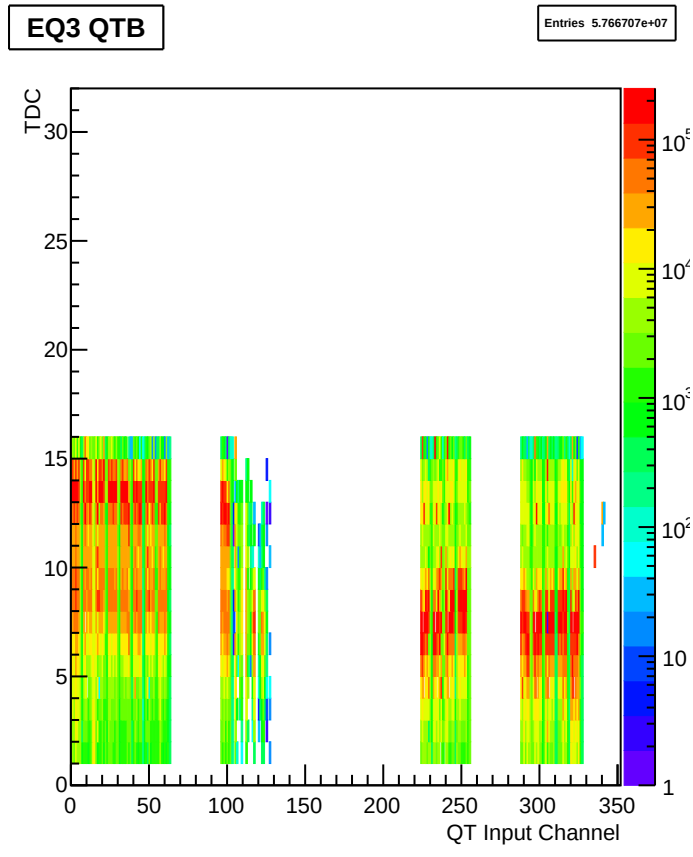

EQ2 QTB
Entries 2.282835e+08
ADC
QT Input Channel

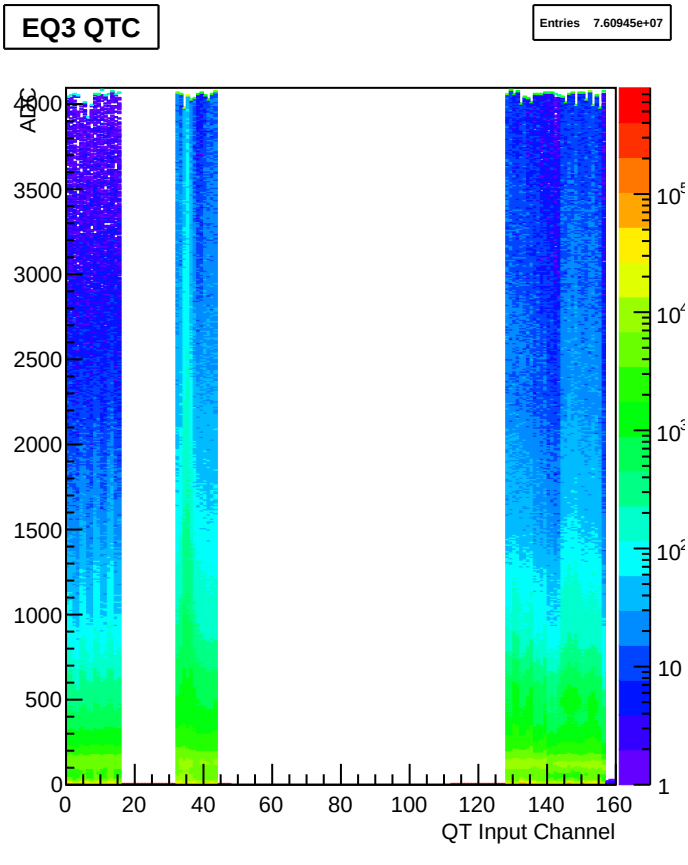

EQ2 QTB
Entries 6.906658e+07
TDC
QT Input Channel

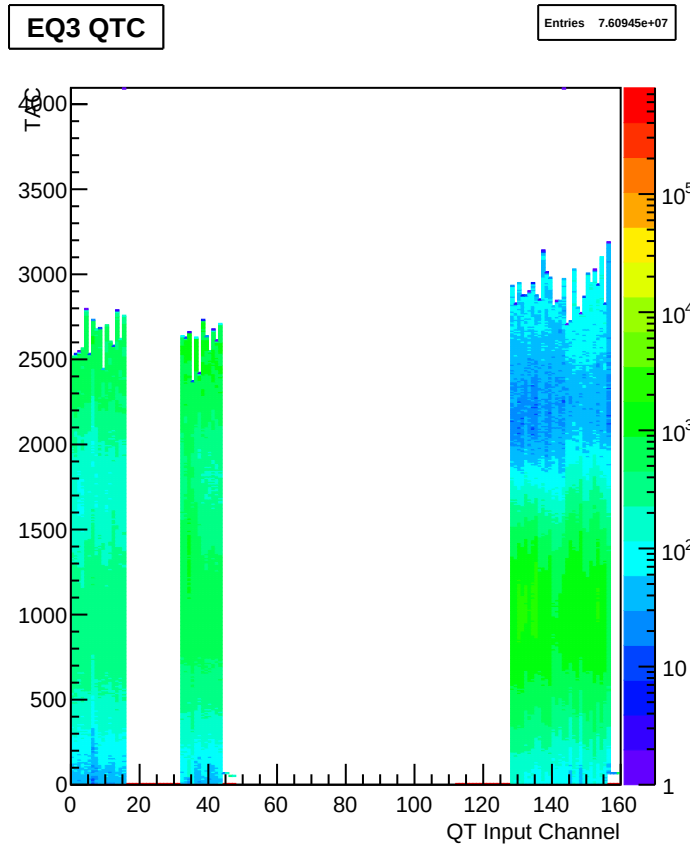

EQ2 QTC
Entries 7.60945e+07
ADC
QT Input Channel

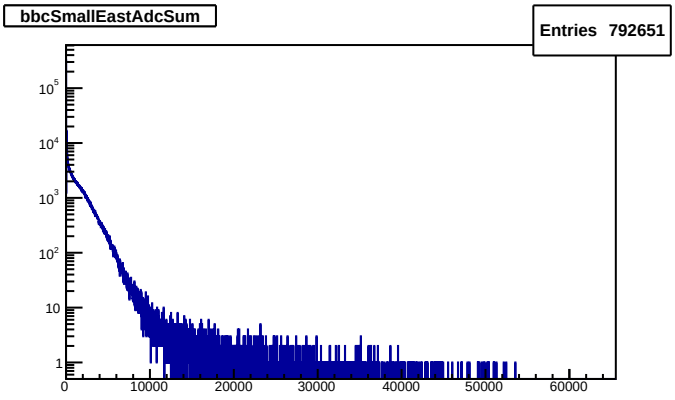

EQ2 QTC
Entries 7.60945e+07
TADC
QT Input Channel

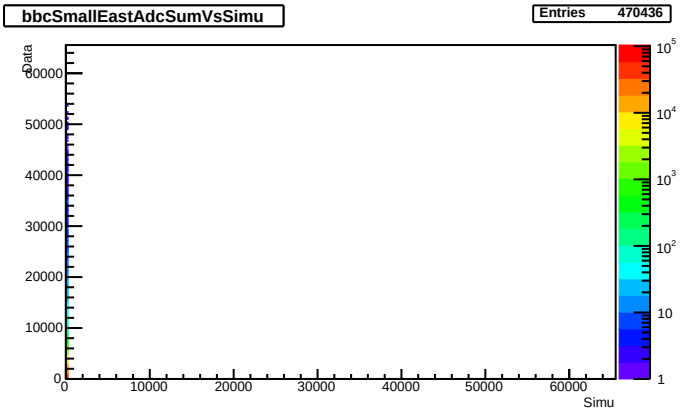

EQ3 QTB
Entries 2.029187e+08
ADC
QT Input Channel

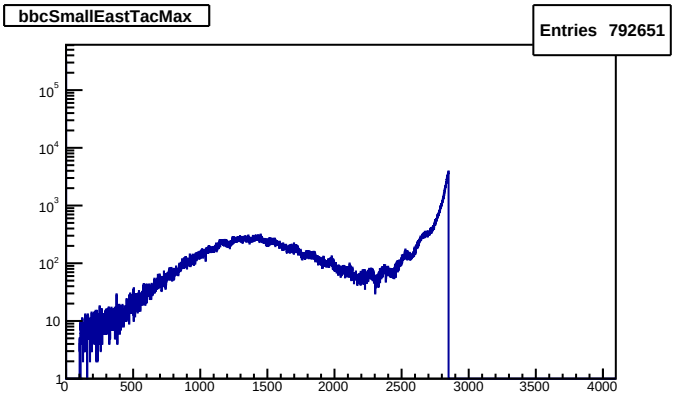

EQ3 QTB
Entries 5.766707e+07
TDC
QT Input Channel

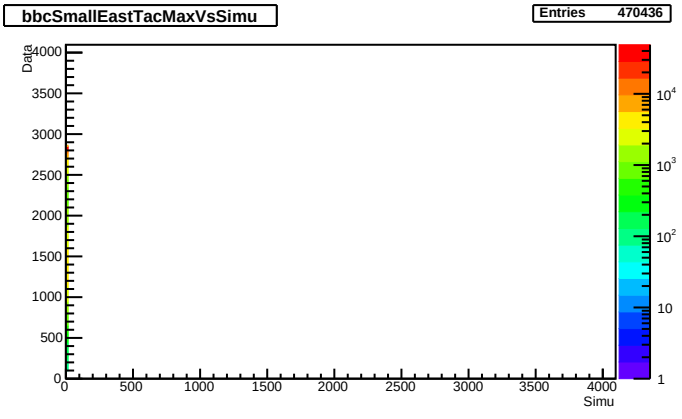

EQ3 QTC
Entries 7.60945e+07
ADC
QT Input Channel


EQ3 QTC
Entries 7.60945e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 792651


bbcSmallEastAdcSumVsSimu
Entries 470436
Data
Simu


bbcSmallEastTacMax
Entries 792651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Entries 470436
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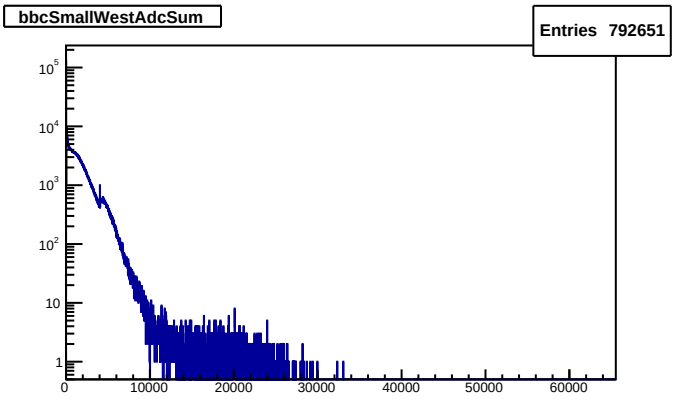
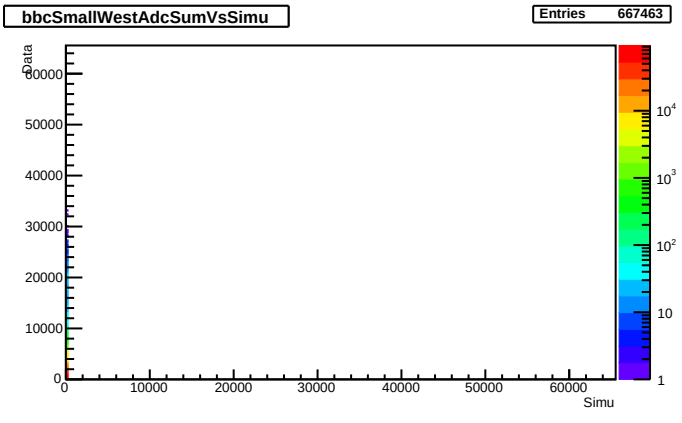
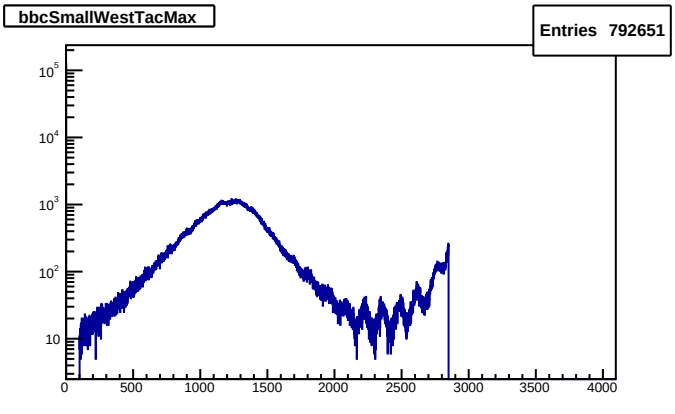

bbcSmallWestAdcSum
Entries 792651


bbcSmallWestAdcSumVsSimu
Entries 667463
Data
Simu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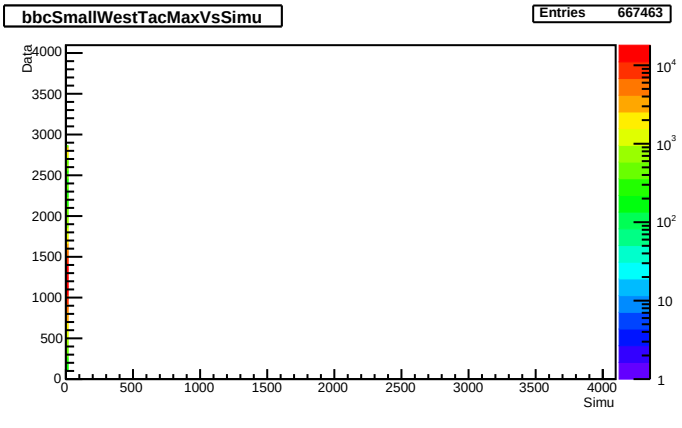
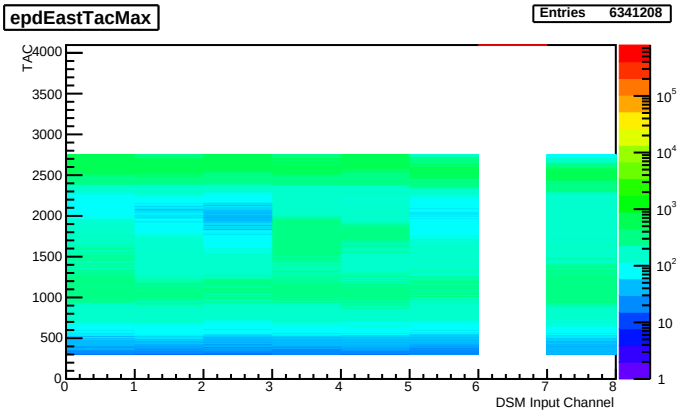
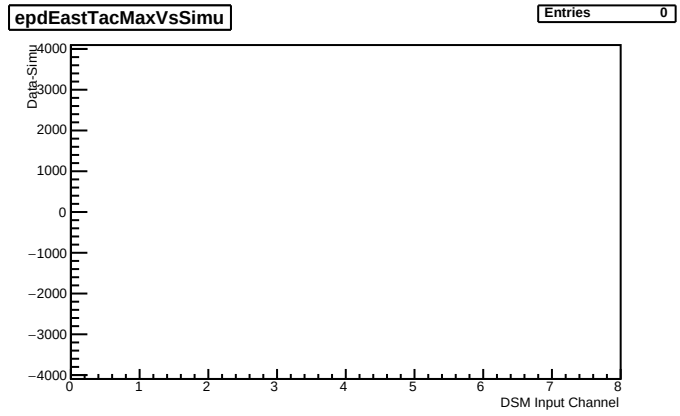
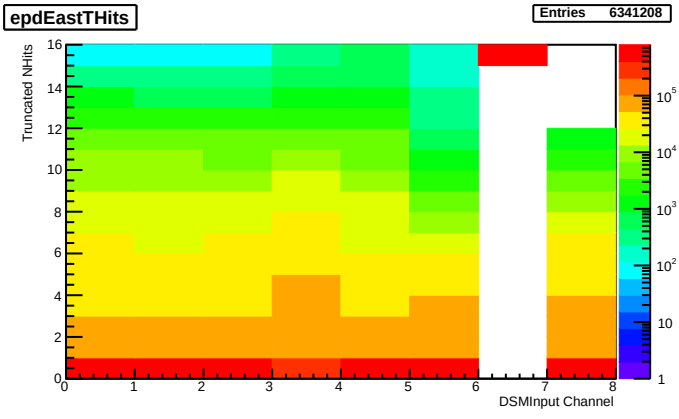
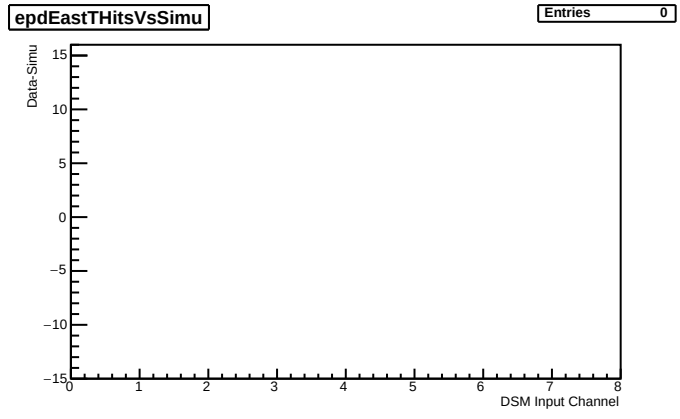
Entries 792651


bbcSmallWestTacMaxVsSimu
Entries 667463
Data
Simu


epdEastTacMax
Entries 6341208
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 6341208
Truncated NHits
DSMInput Channel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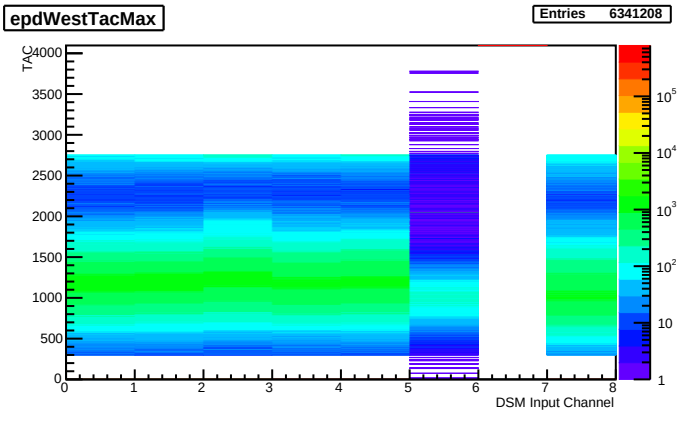
Data-Simu
DSM Input Channel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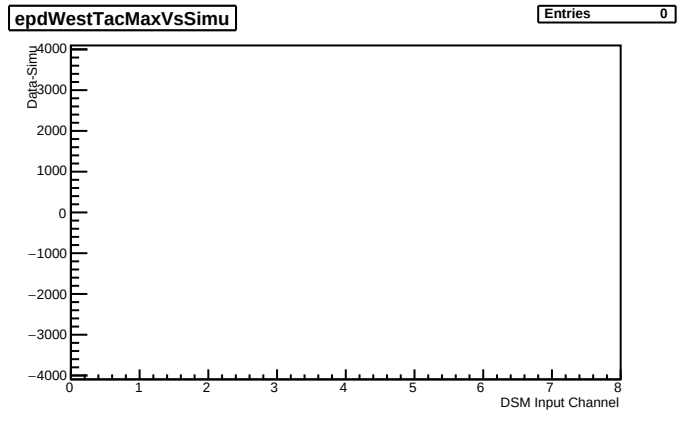
TAC
DSM Input Channel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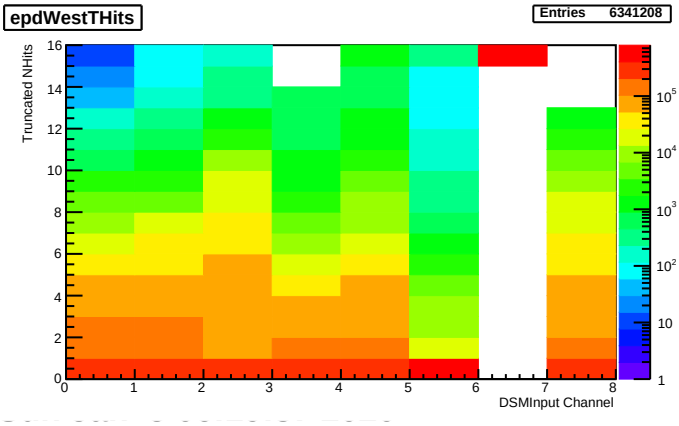
Entries 0
Data-Simu
DSM Input Channel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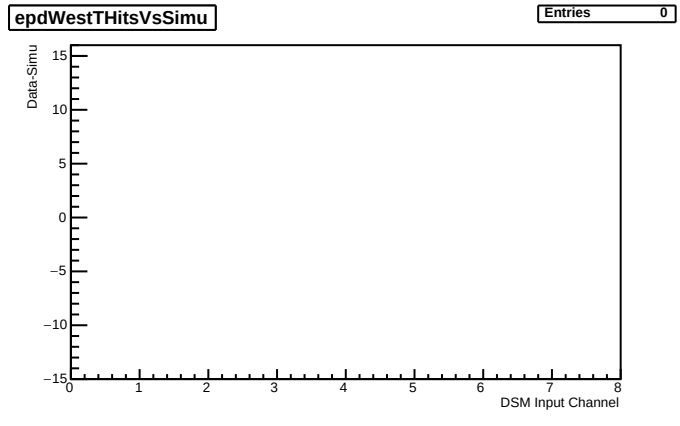
Entries 6341208
Truncated NHits
DSMInput Channel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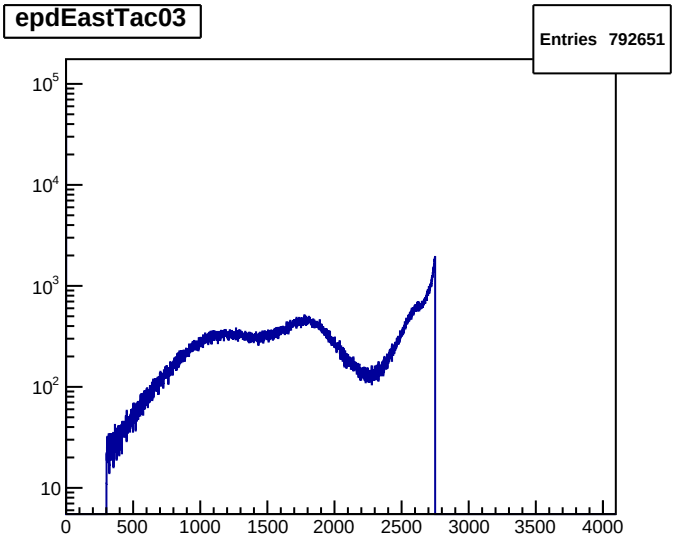
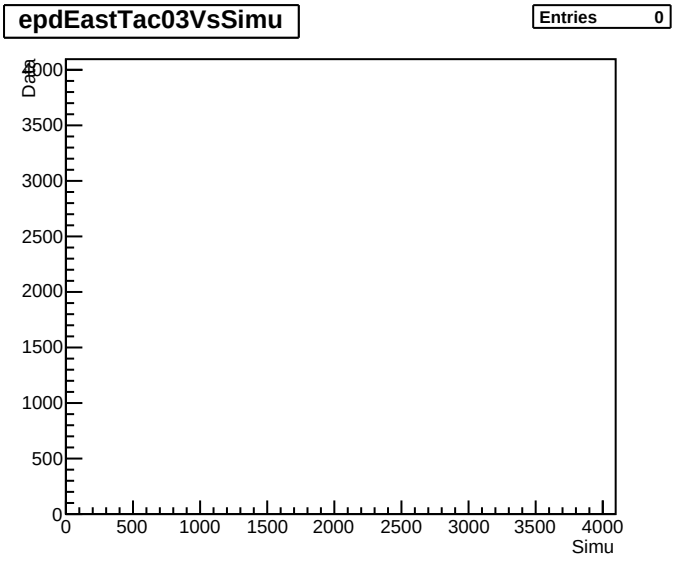
Data-Simu
DSM Input Channel


epdEastTac03
Entries 792651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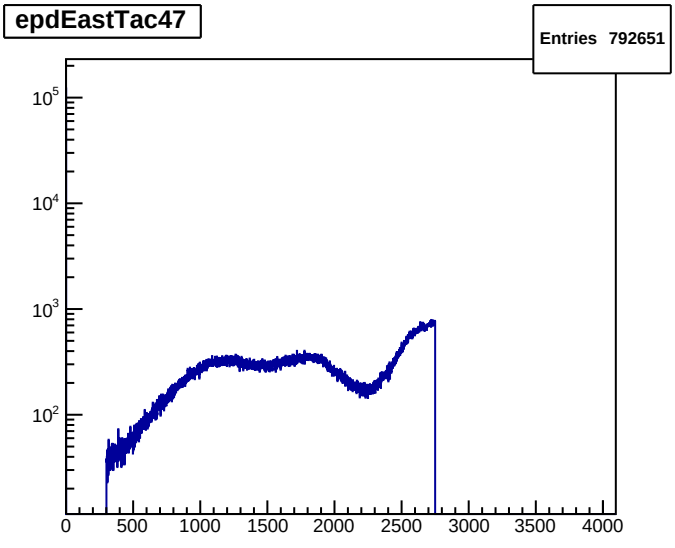
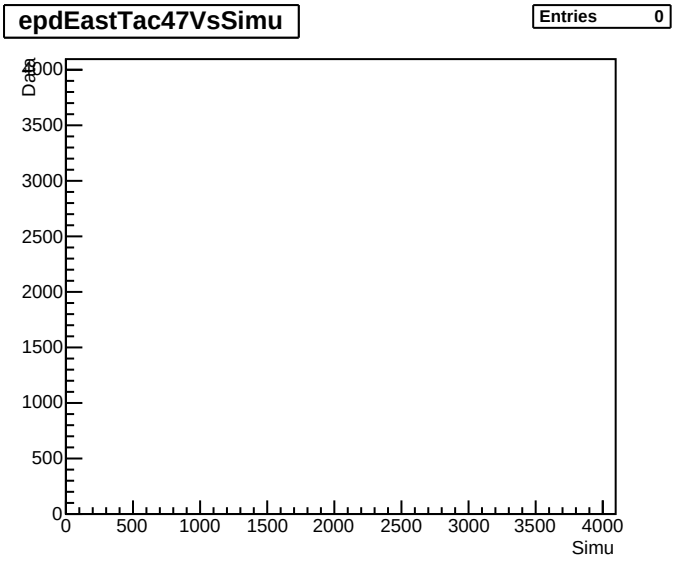
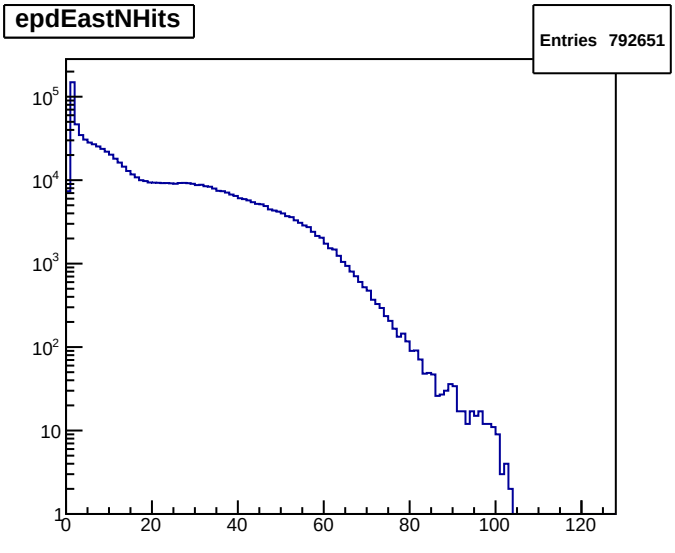
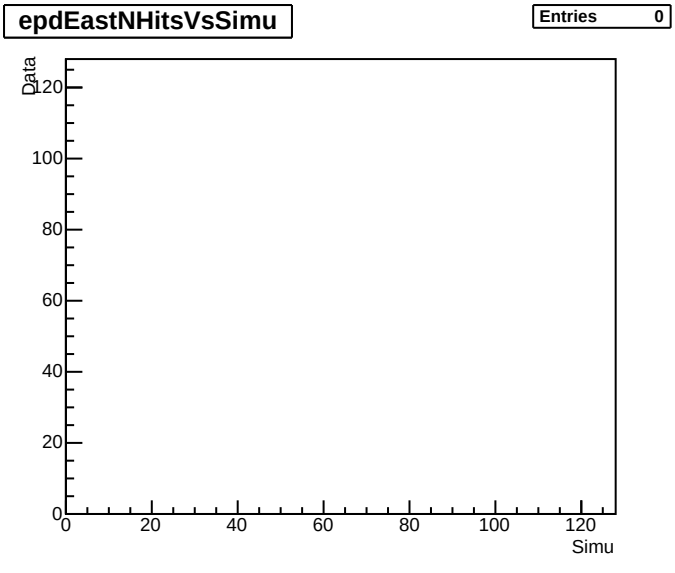
Entries 0
Data
Simu


epdEastTac47
Entries 792651


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 792651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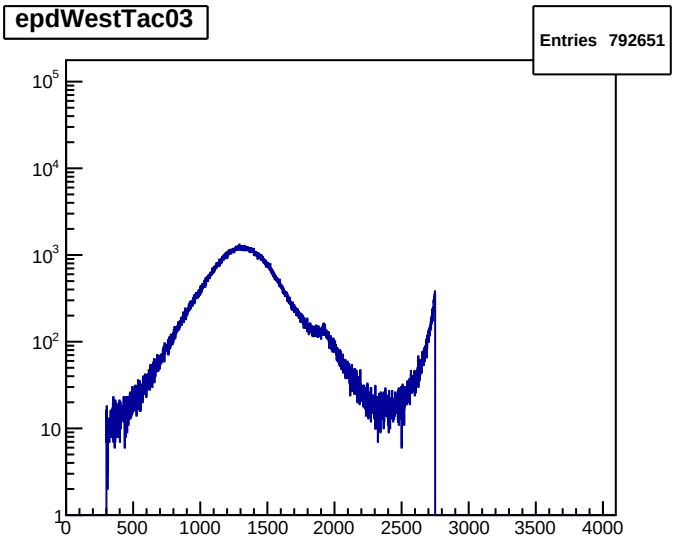
Entries 0
Data
Simu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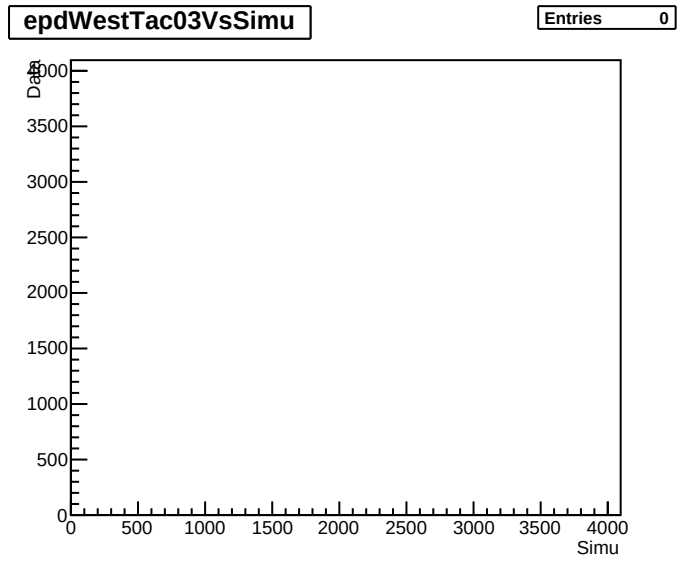
Entries 792651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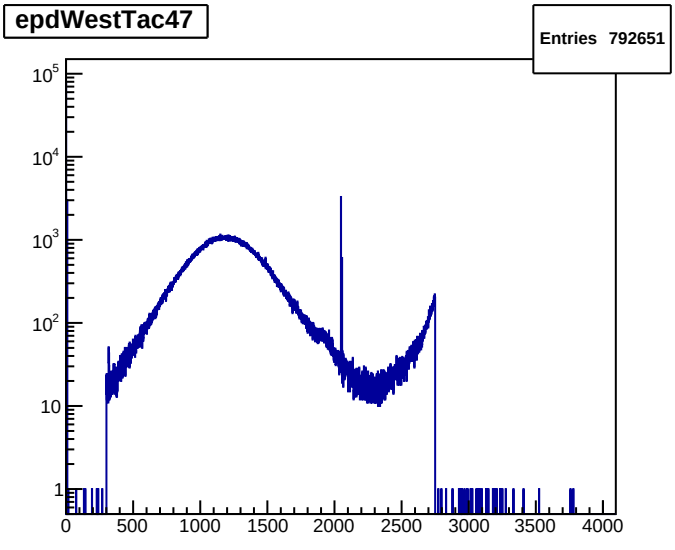
Entries 0
Data
Simu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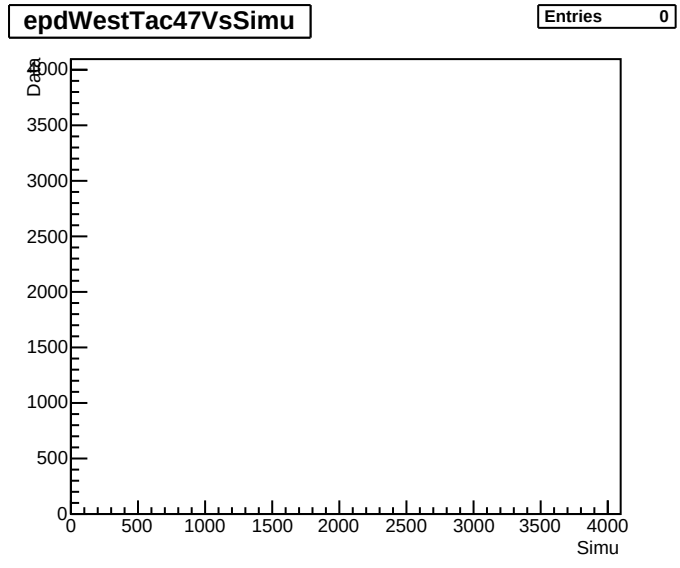
Entries 792651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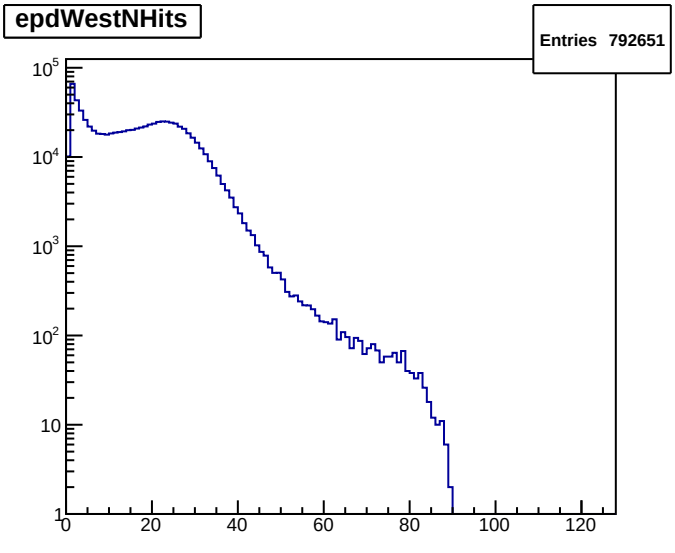
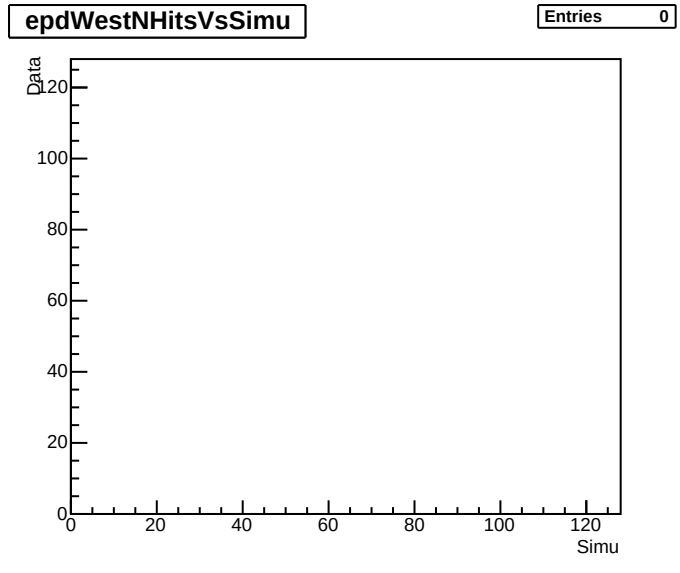
Entries 0
Data
Simu


epdWestNHits
Entries 792651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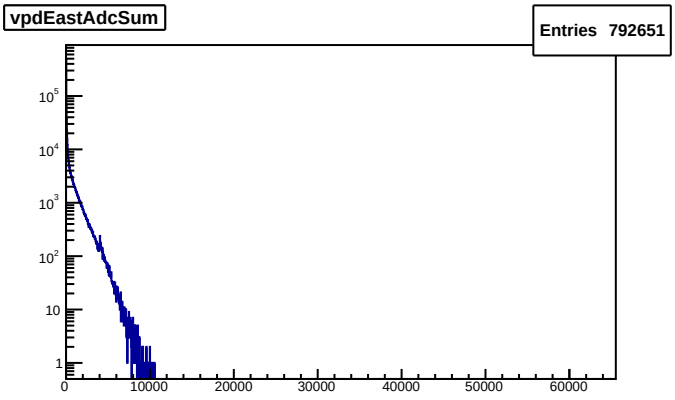
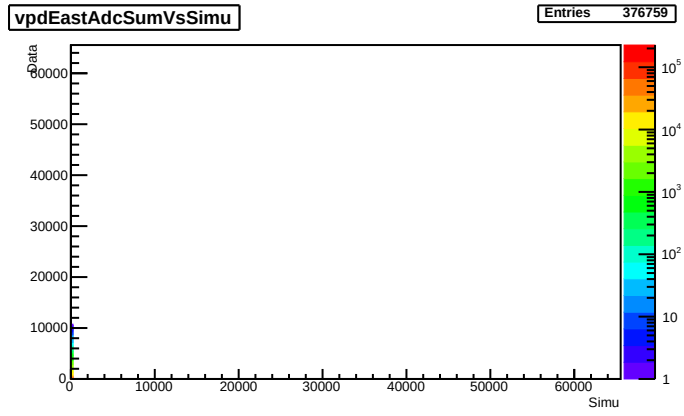
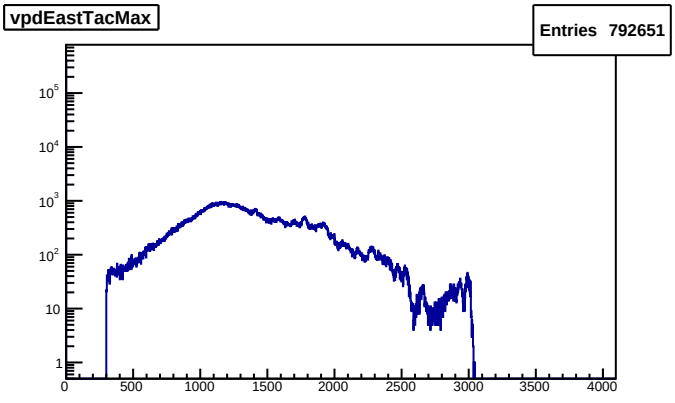
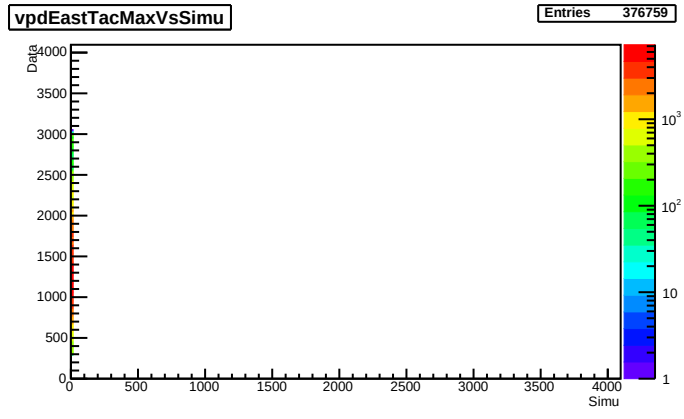
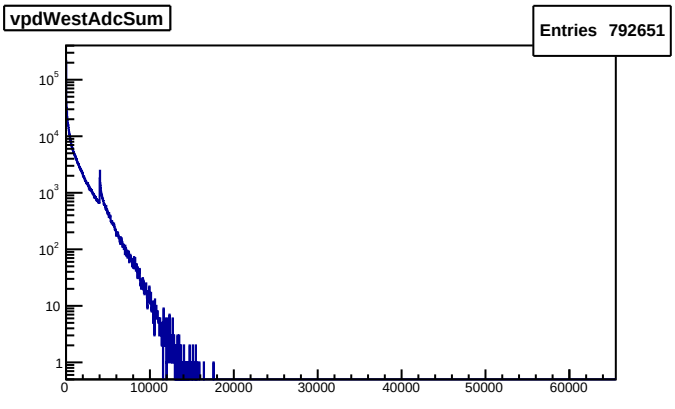
Entries 0
Data
Simu

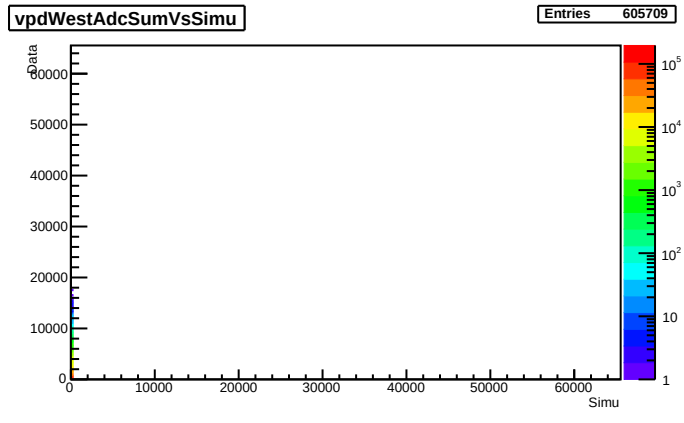

vpdEastAdcSum
Entries 792651

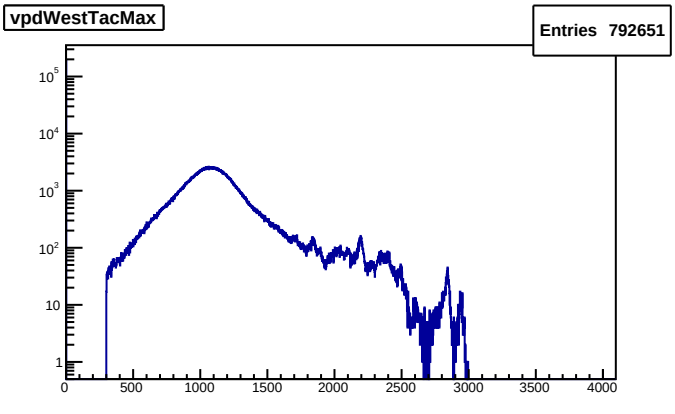

vpdEastAdcSumVsSimu
Entries 376759
Data
Simu

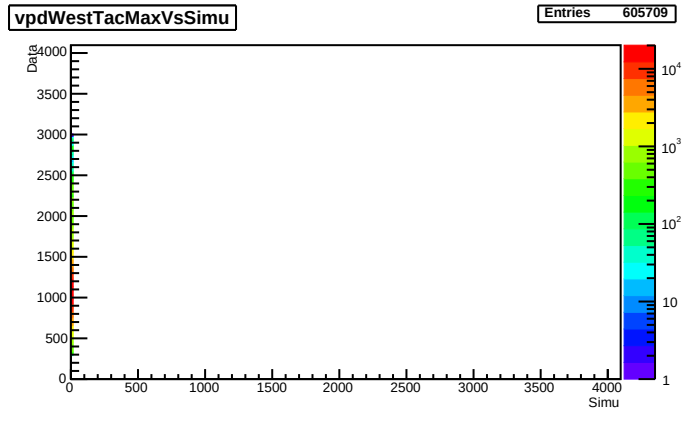

vpdEastTacMax
Entries 792651

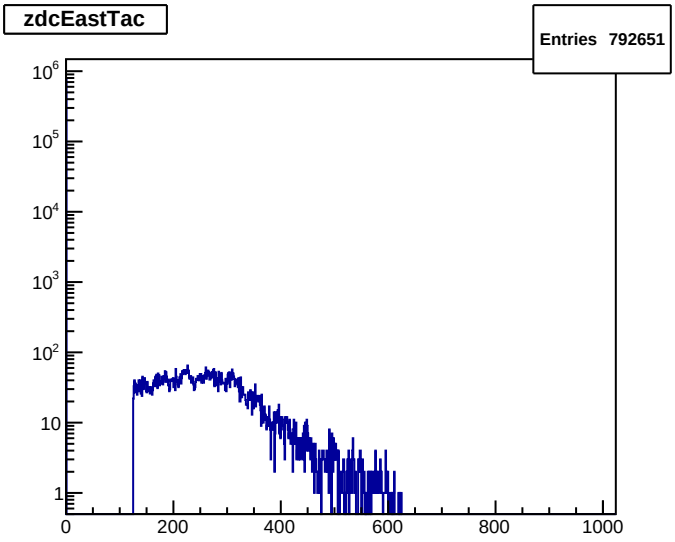

vpdEastTacMaxVsSimu
Entries 376759
Data
Simu

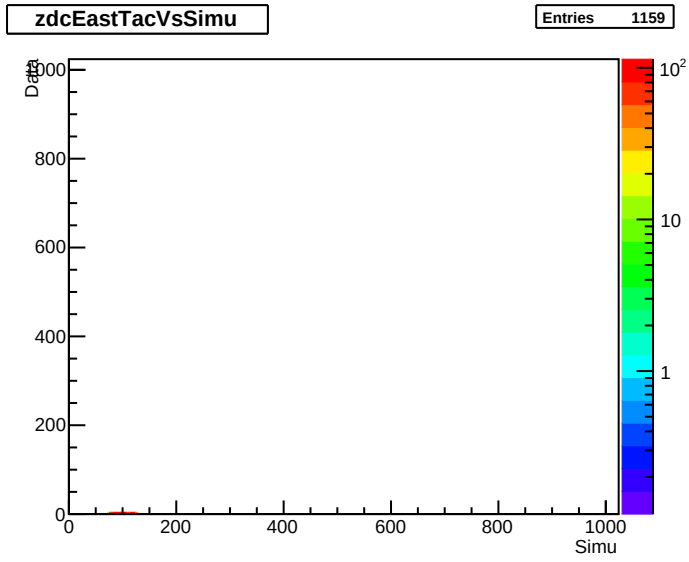

vpdWestAdcSum
Entries 792651

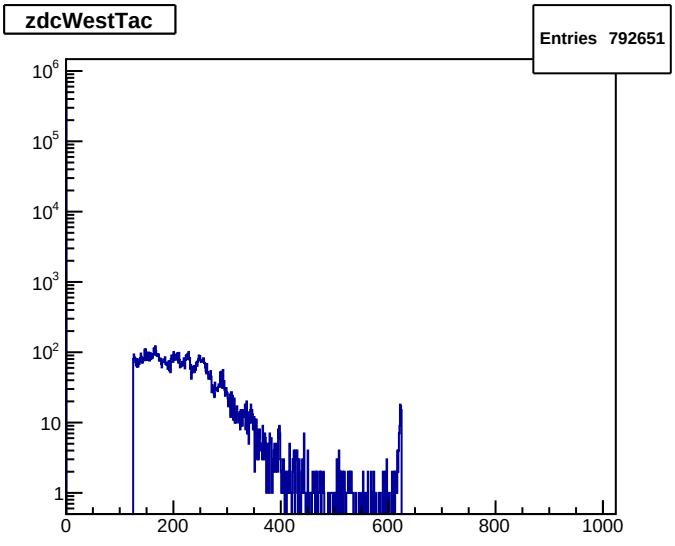

vpdWestAdcSumVsSimu
Entries 605709
Data
Simu

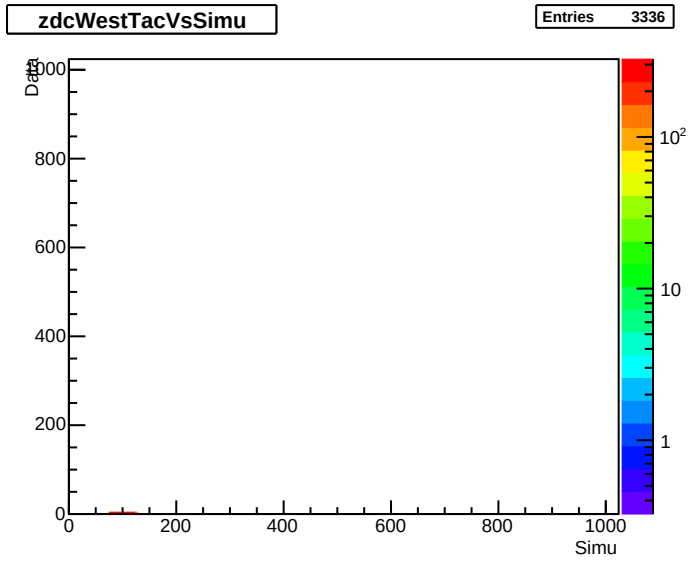

vpdWestTacMax
Entries 792651

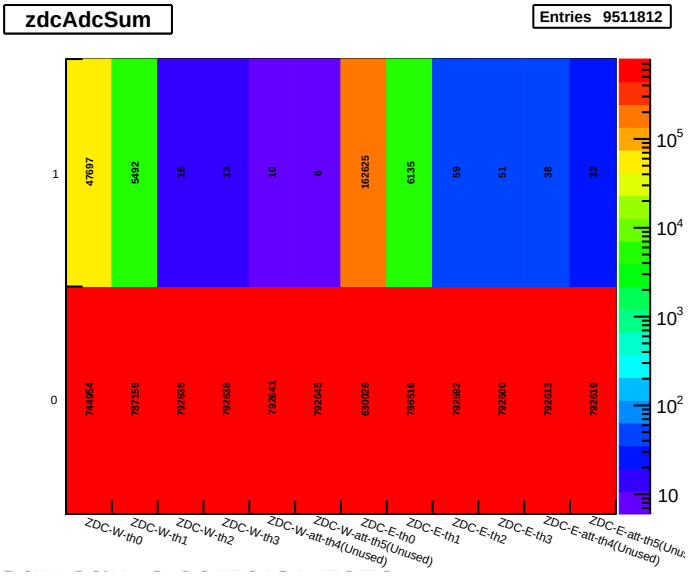

vpdWestTacMaxVsSimu
Entries 605709
Data
Simu

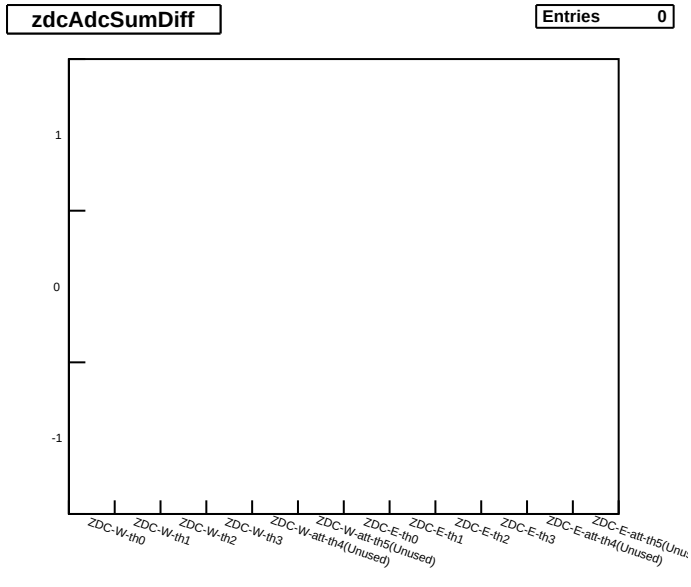

zdcEastTac
Entries 792651


zdcEastTacVsSimu
Entries 1159
Data
Simu


zdcWestTac
Entries 792651


zdcWestTacVsSimu
Entries 3336
Data
Simu


zdcAdcSum
Entries 9511812
47697
5492
16
13
10
6
162625
6135
59
51
38
32
744954
787159
792635
792638
792641
792645
630026
786516
792592
792600
792613
792619
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
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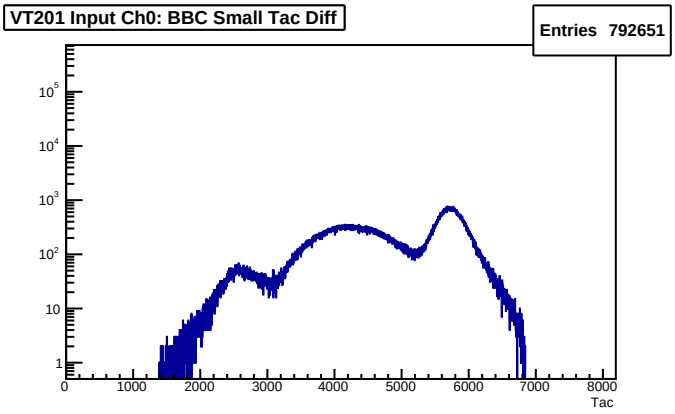
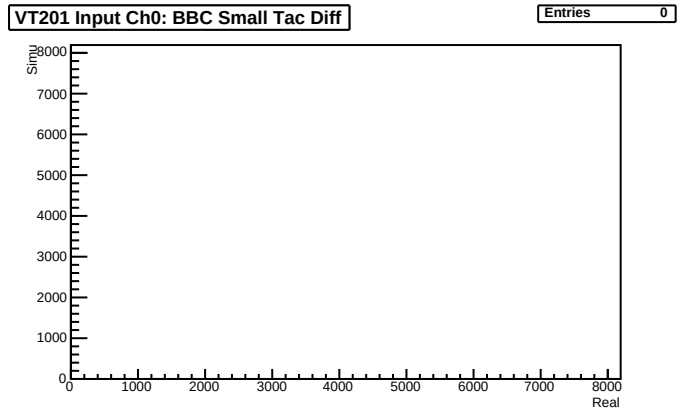
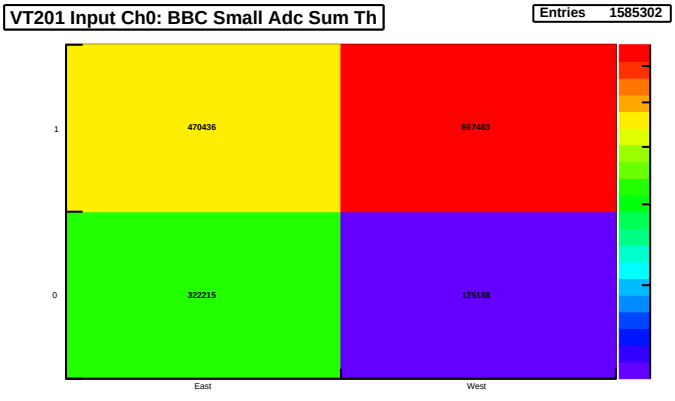
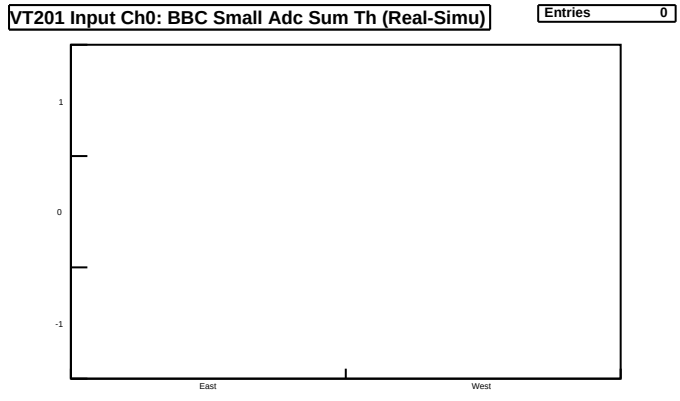
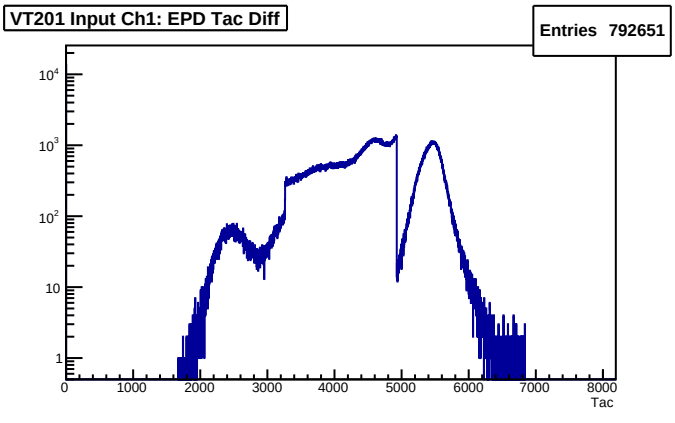
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

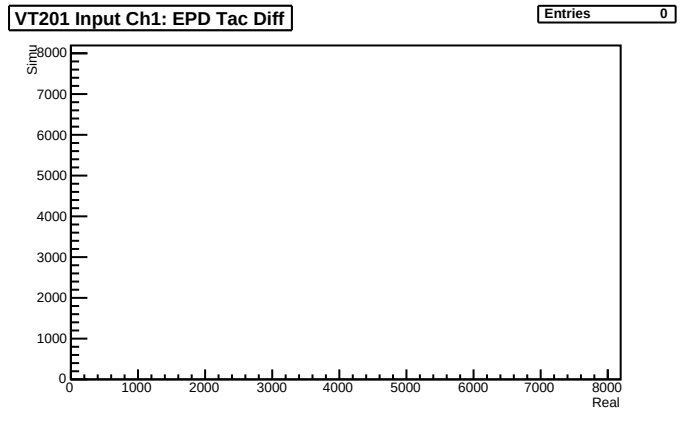

VT201 Input Ch0: BBC Small Tac Diff
Entries 792651
Tac

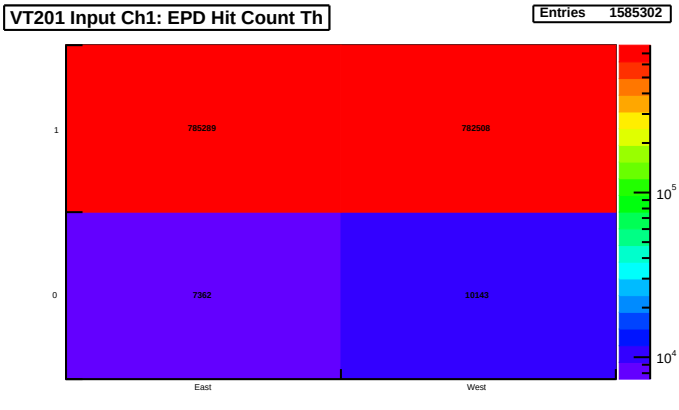

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

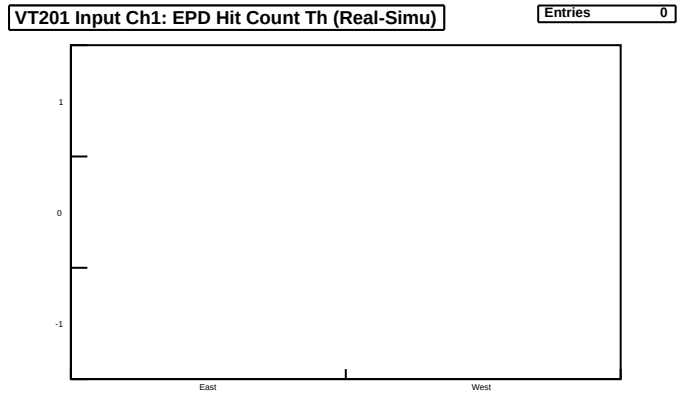

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1585302
470436
667463
322215
125188
East
West

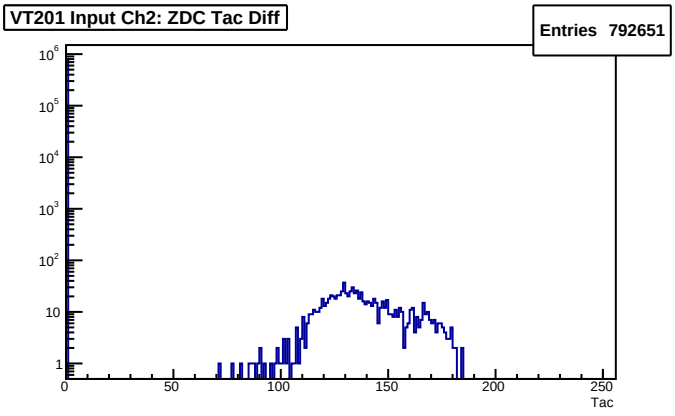

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

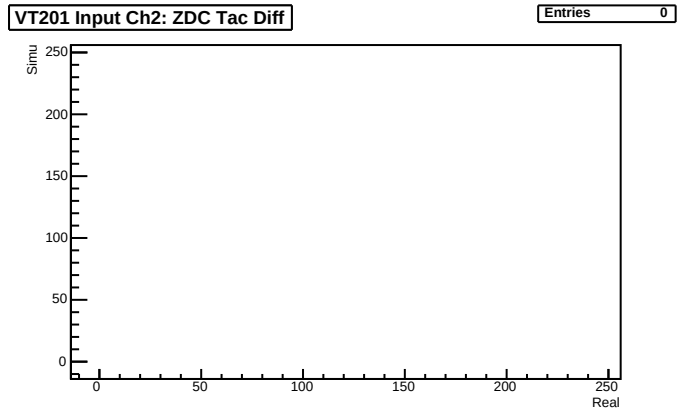

VT201 Input Ch1: EPD Tac Diff
Entries 792651
Tac

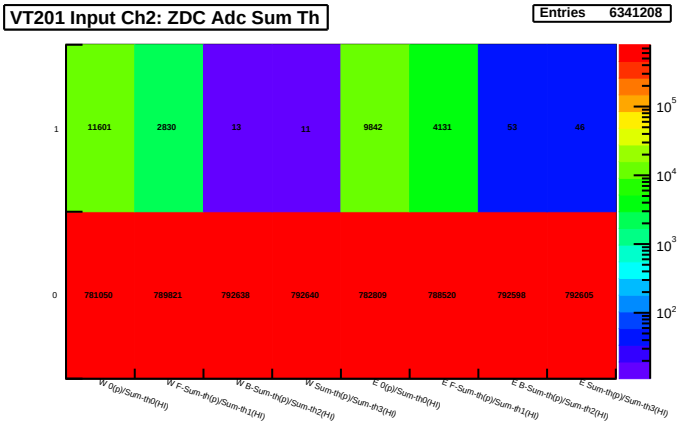

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

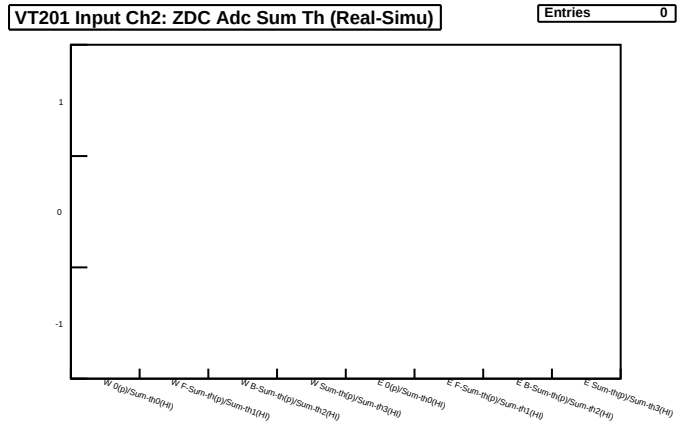

VT201 Input Ch1: EPD Hit Count Th
Entries 1585302
785289
782508
7362
10143
East
West

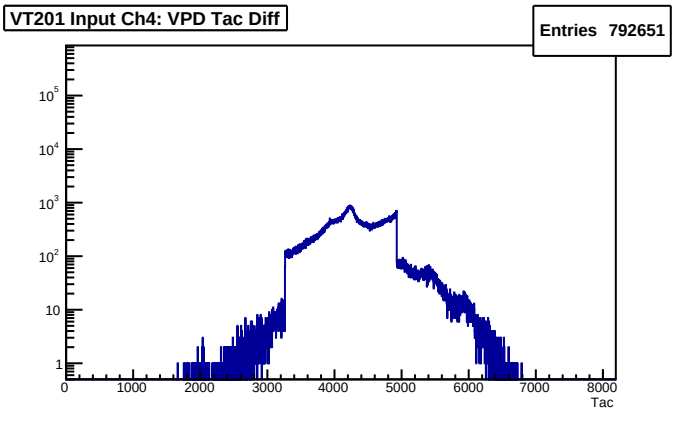

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

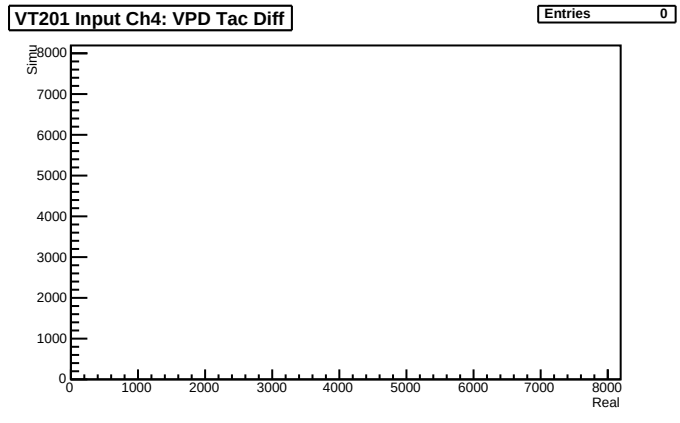

VT201 Input Ch2: ZDC Tac Diff
Entries 792651
Tac

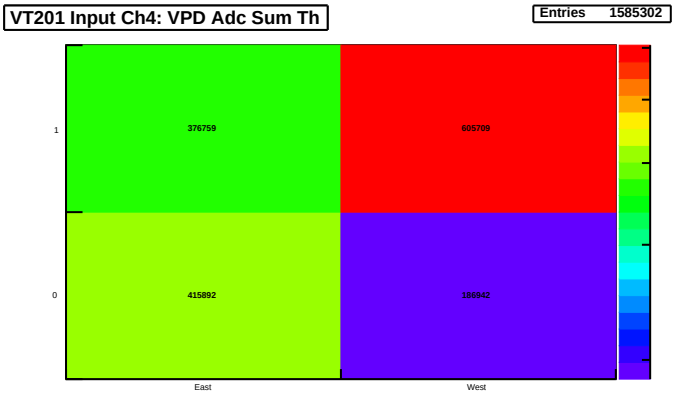

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

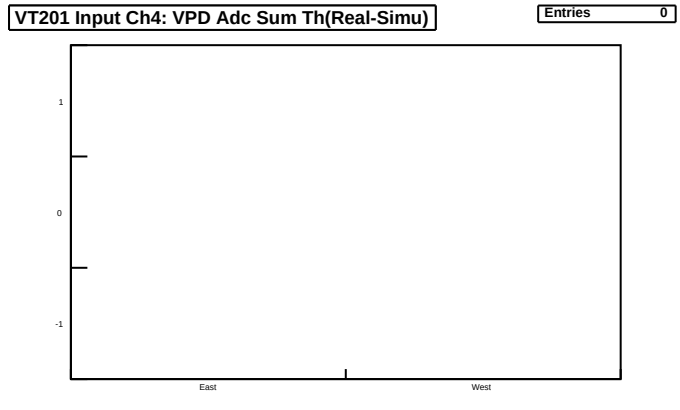

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6341208
11601
2830
13
11
9842
4131
53
46
781050
789821
792638
792640
782809
788520
792598
792605
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

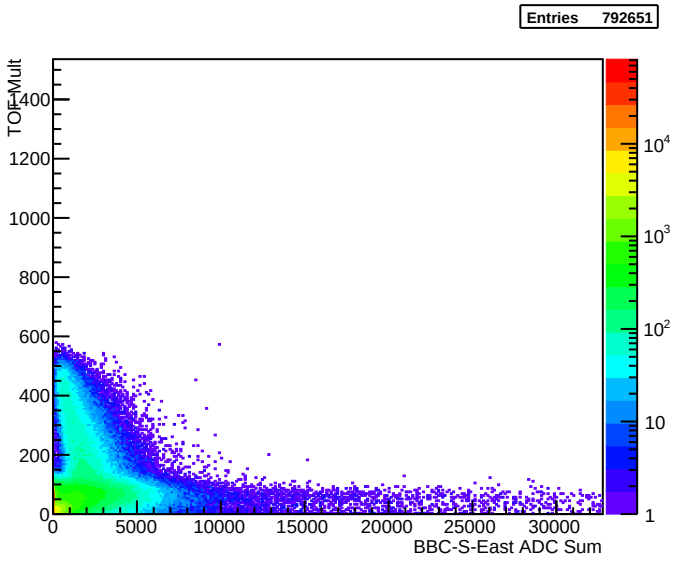

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

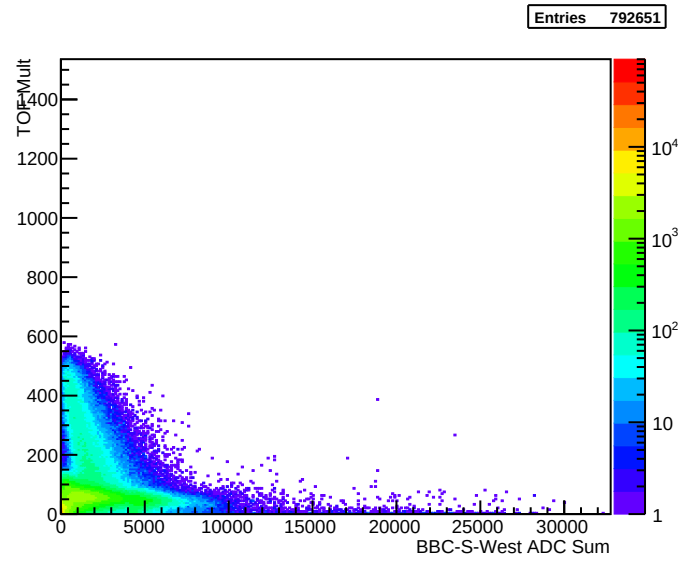

VT201 Input Ch4: VPD Tac Diff
Entries 792651
Tac

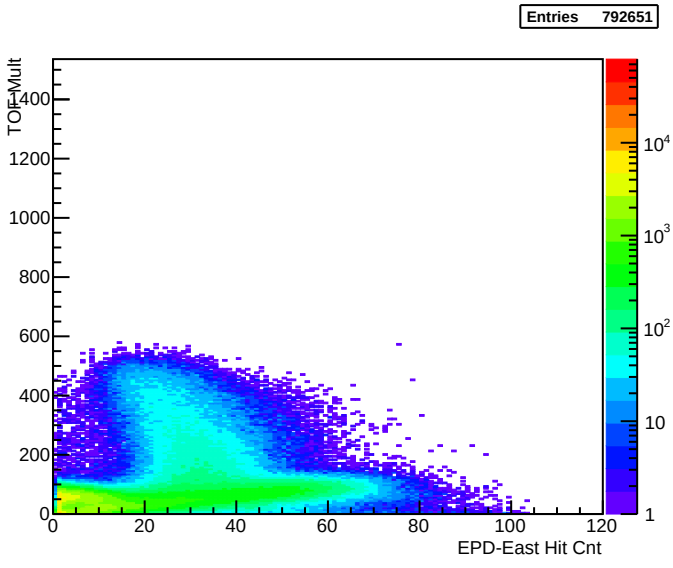

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

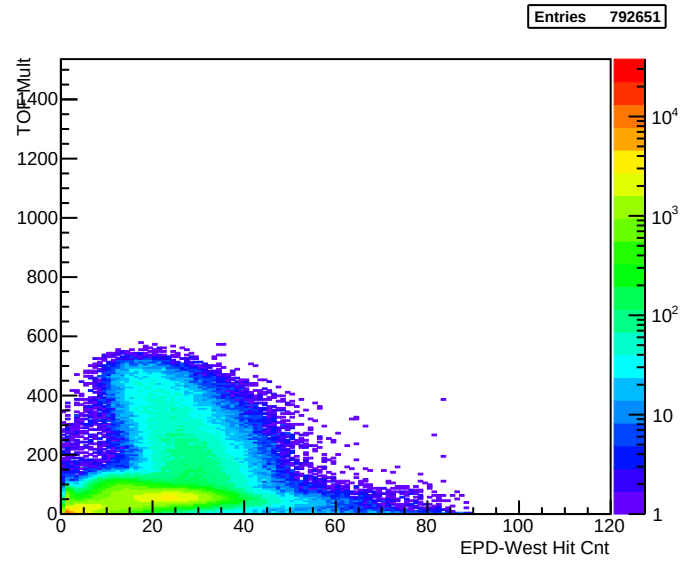

VT201 Input Ch4: VPD Adc Sum Th
Entries 1585302
376759
605709
415892
186942
East
West

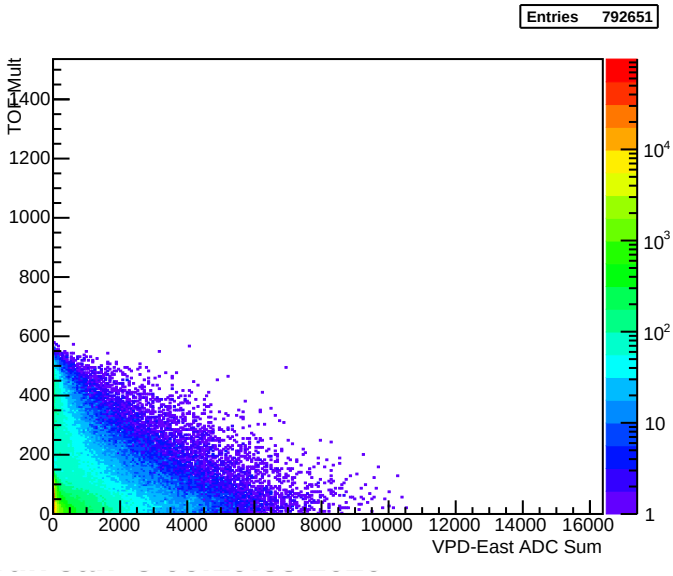

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

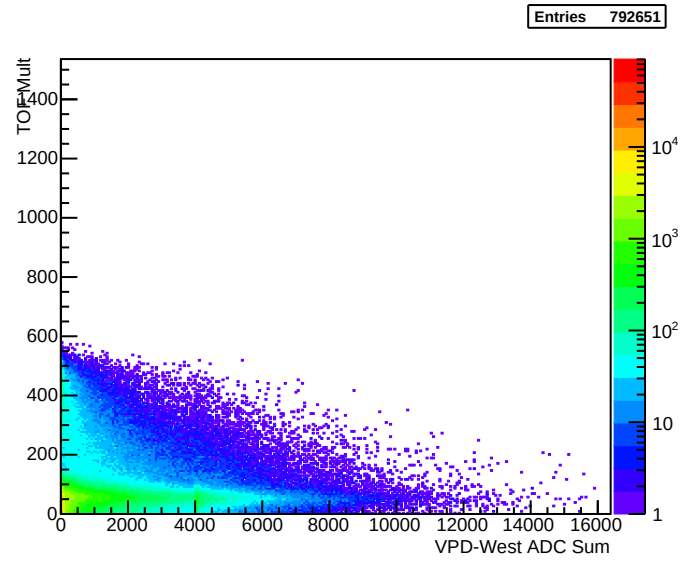

Entries 792651
TOF-Mult
BBC-S-East ADC Sum

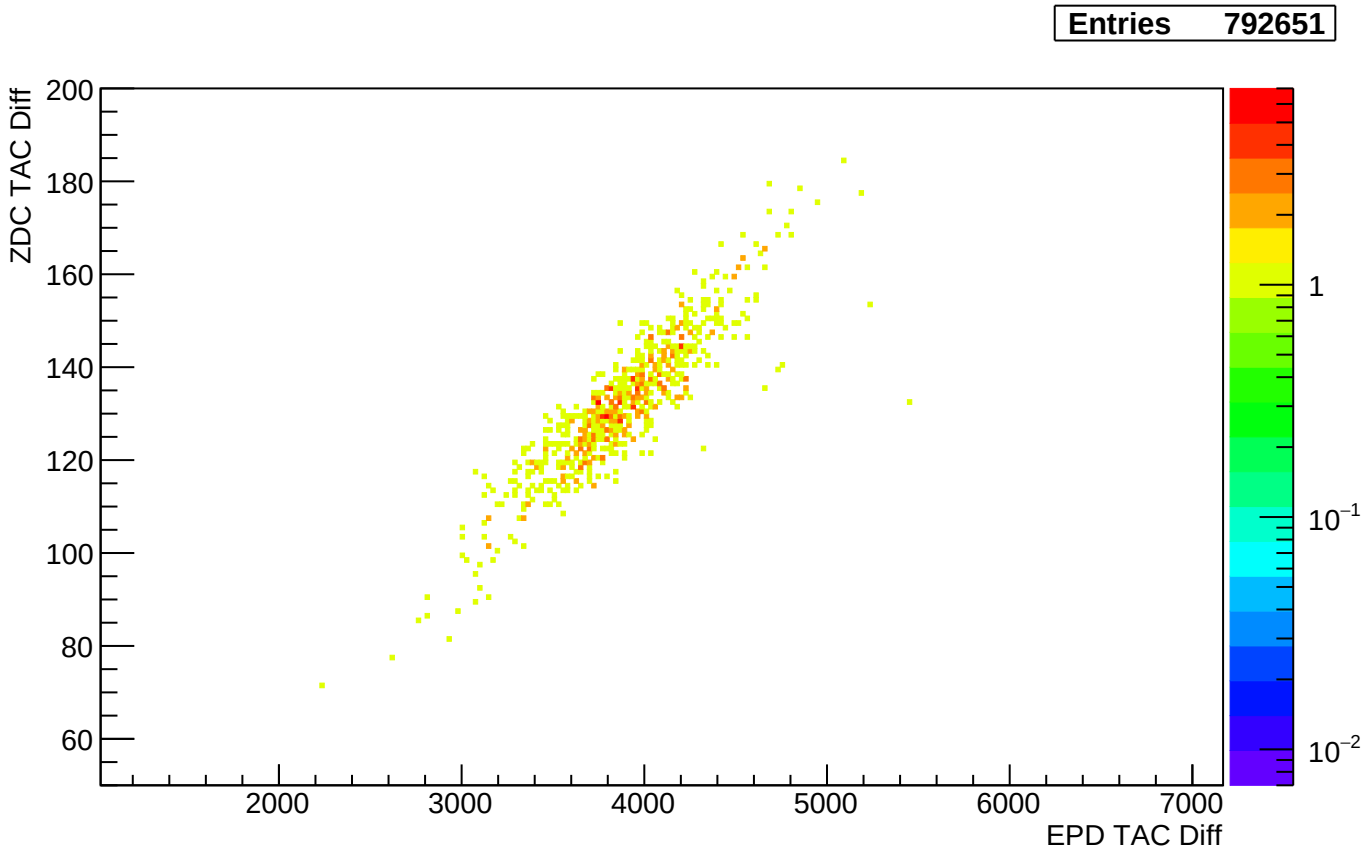

Entries 792651
TOF-Mult
BBC-S-West ADC Sum

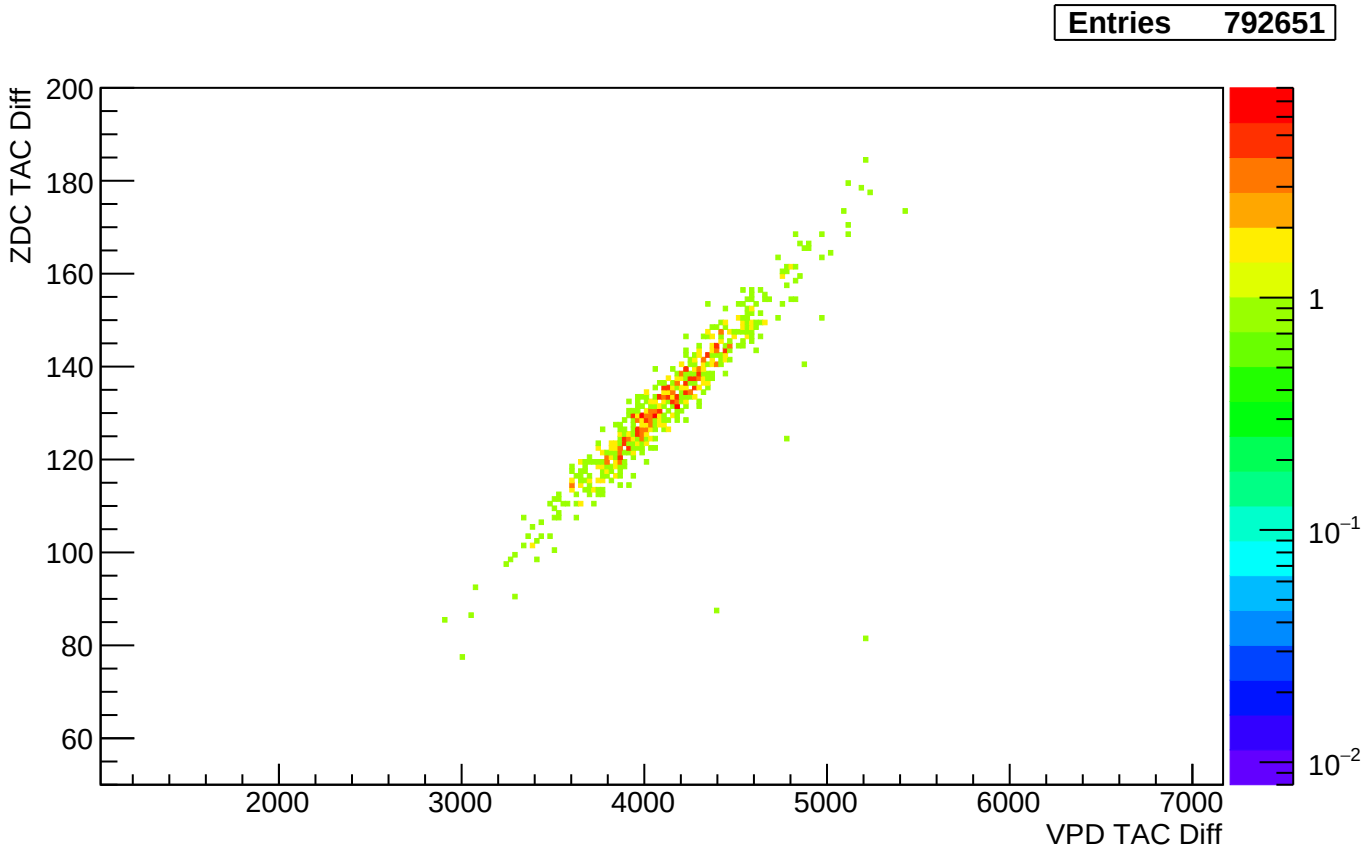

Entries 792651
TOF-Mult
EPD-East Hit Cnt

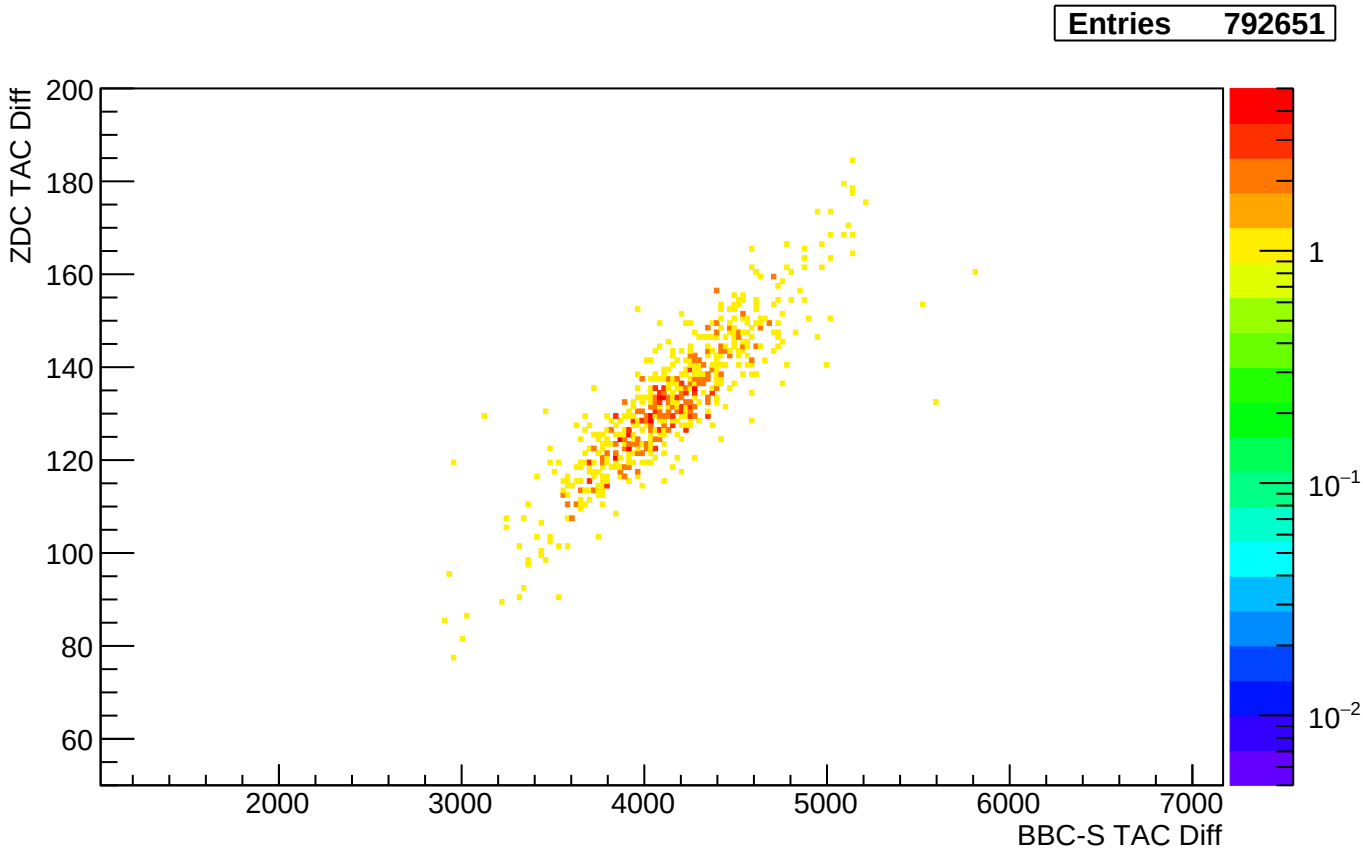

Entries 792651
TOF-Mult
EPD-West Hit Cnt

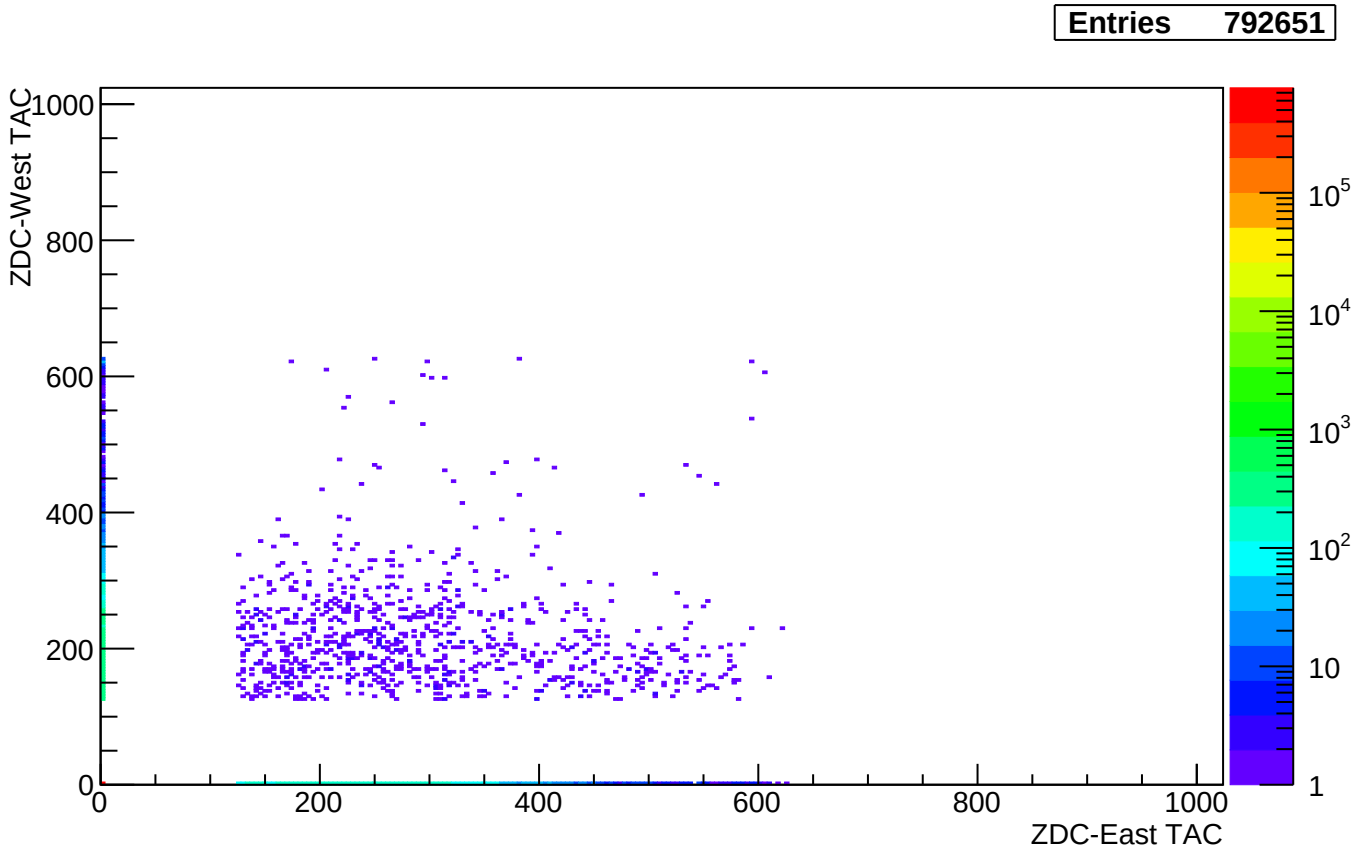

Entries 792651
TOF-Mult
VPD-East ADC Sum

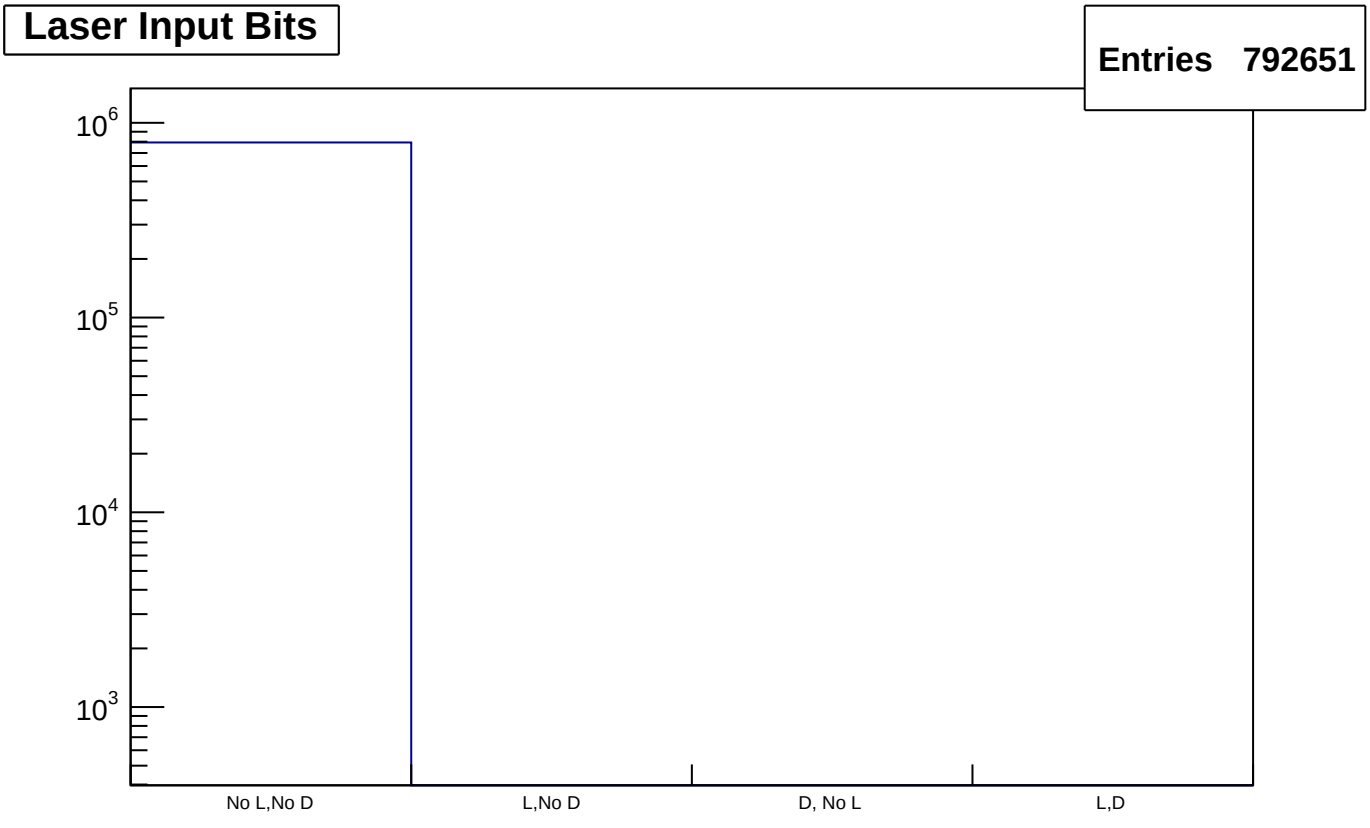

Entries 792651
TOF-Mult
VPD-West ADC Sum

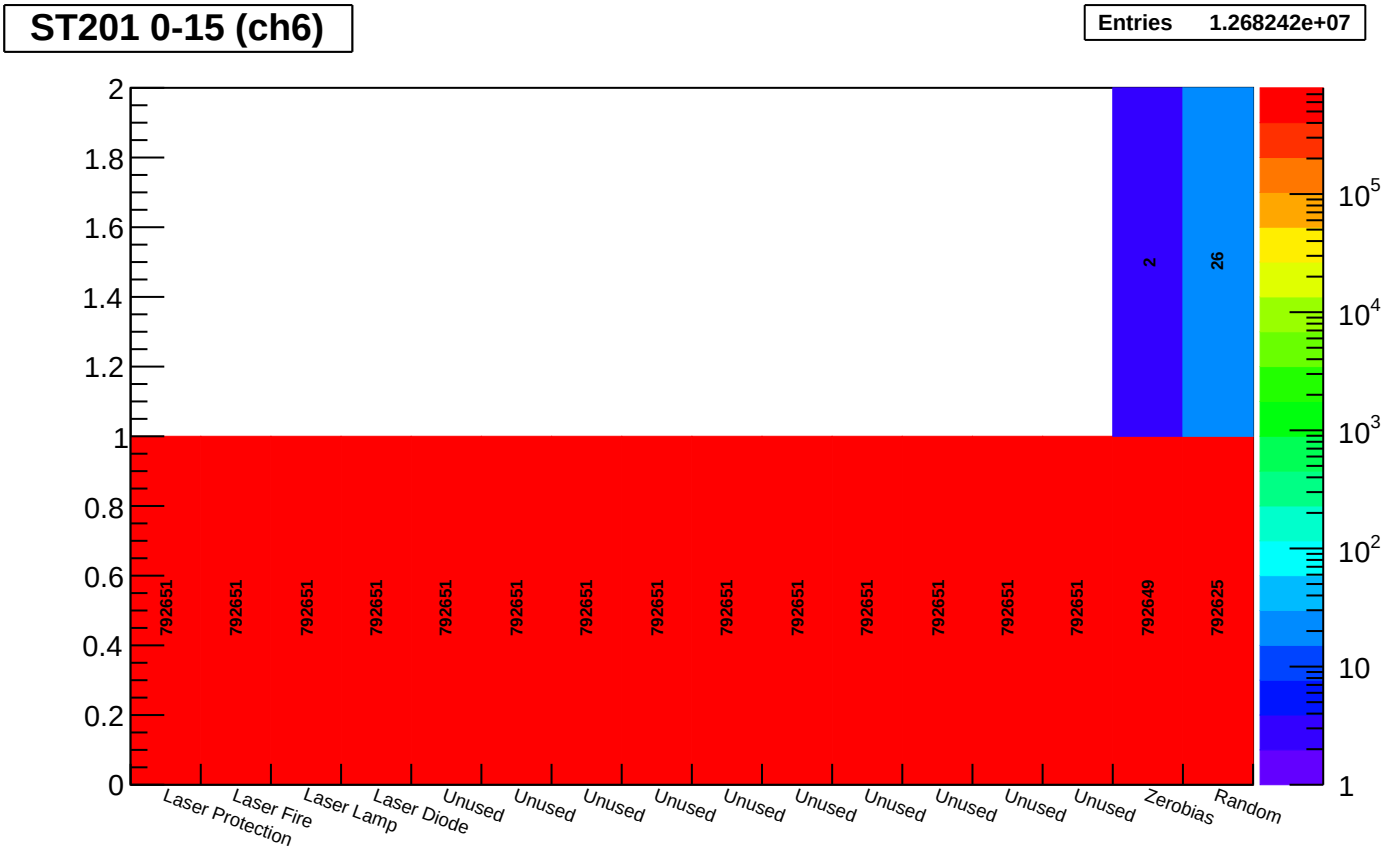

Entries 792651
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

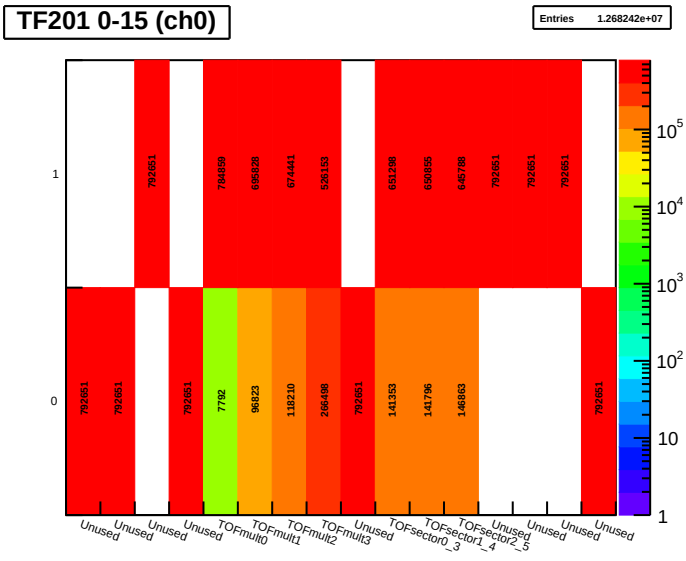

Entries 792651
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

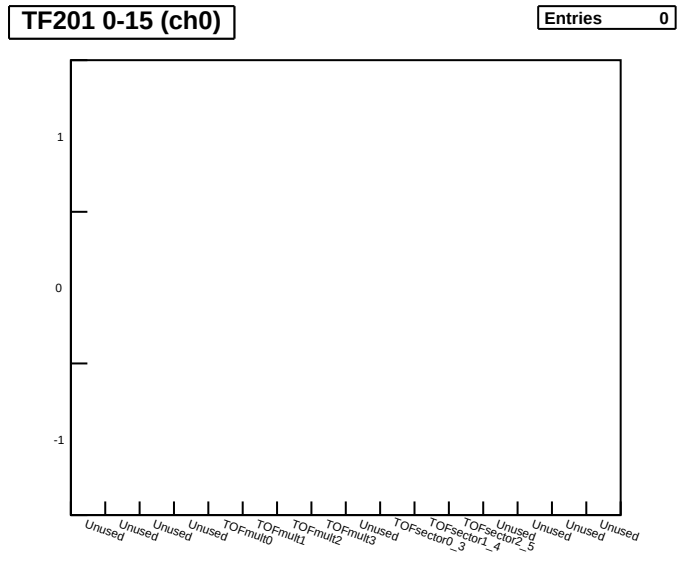

Entries 792651
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

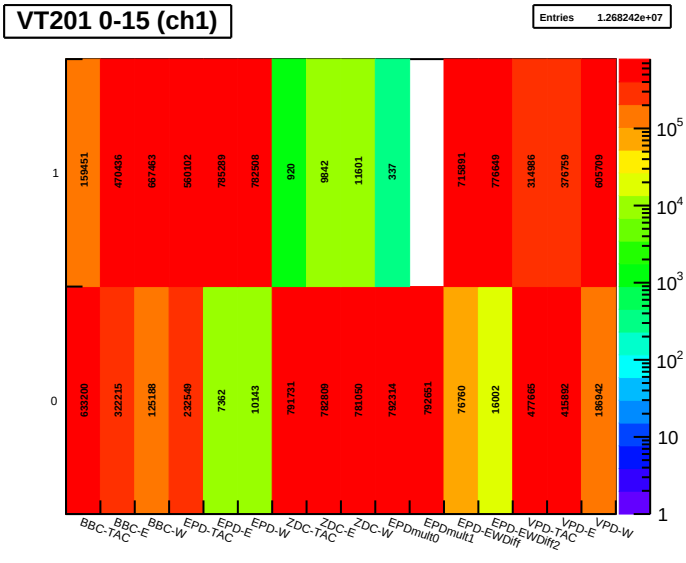

Entries 792651
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

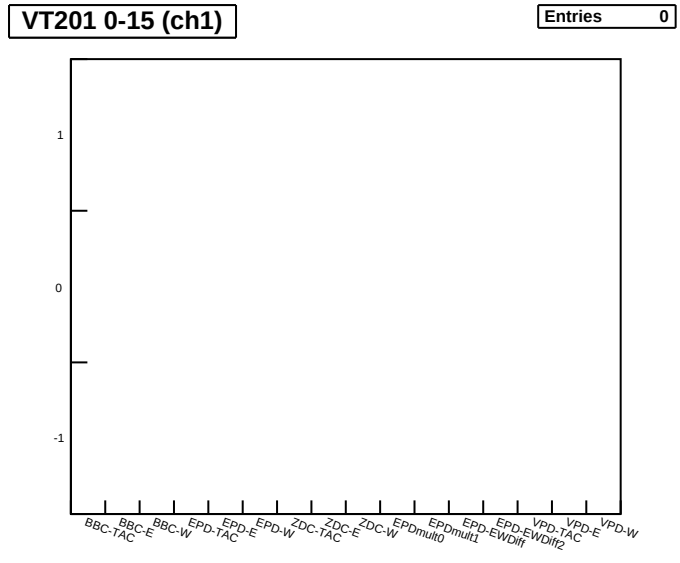

Laser Input Bits
Entries 792651
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

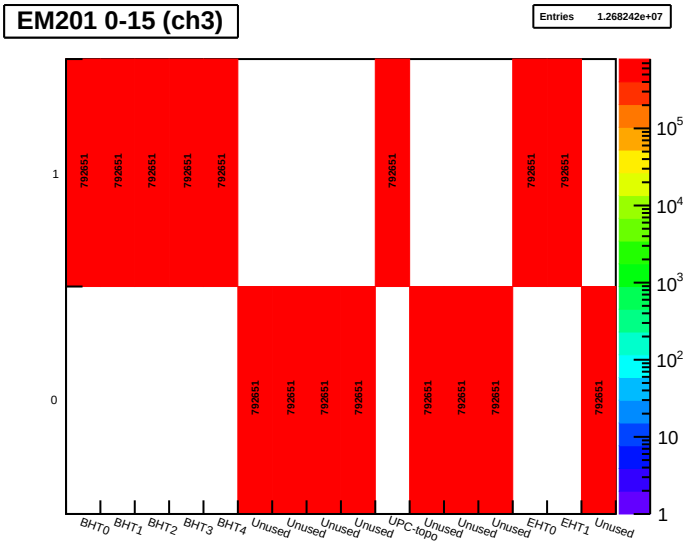

ST201 0-15 (ch6)
Entries 1.268242e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
792651
792651
792651
792651
792651
792651
792651
792651
792651
792651
792651
792651
792651
792651
792649
792625
2
26
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 1.268242e+07
1
0
792651
784859
695828
674441
526153
631298
650855
645788
792651
792651
792651
792651
792651
7792
96823
118210
266498
792651
141353
141796
146863
792651
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 1.268242e+07
1
0
159451
470436
667463
560102
785289
782508
920
9842
11601
337
715891
776649
314986
376759
605709
633200
322215
125188
232549
7362
10143
791731
782809
781050
792314
792651
76760
16002
477665
415892
186942
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 1.268242e+07
1
0
792651
792651
792651
792651
792651
792651
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792651
792651
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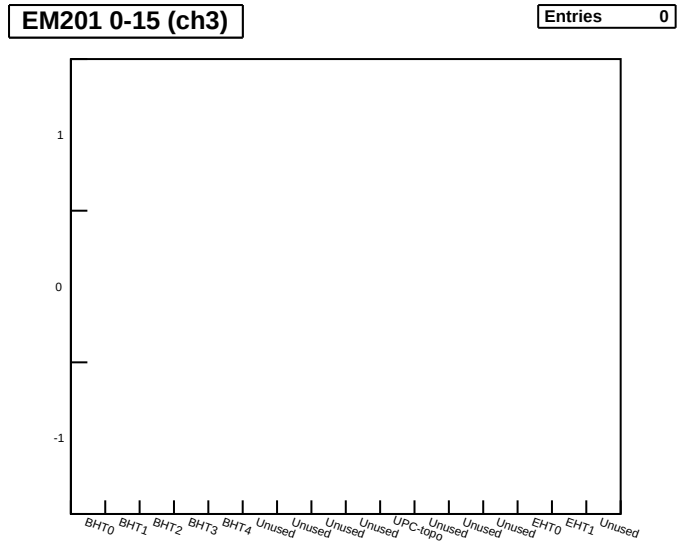
792651
792651
792651
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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