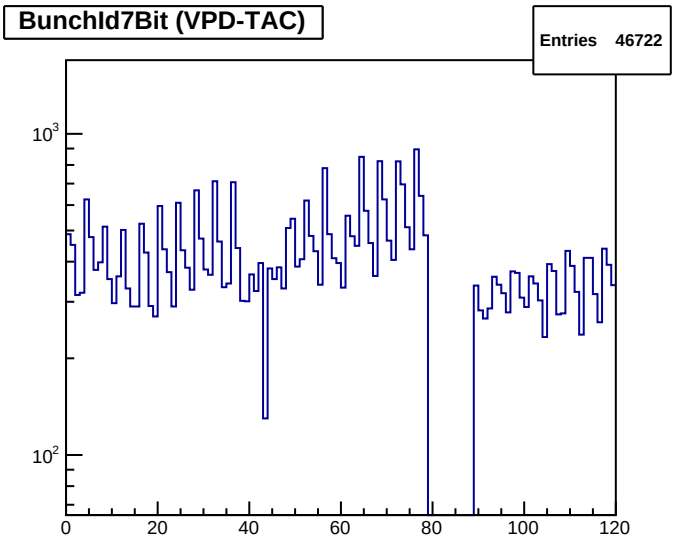
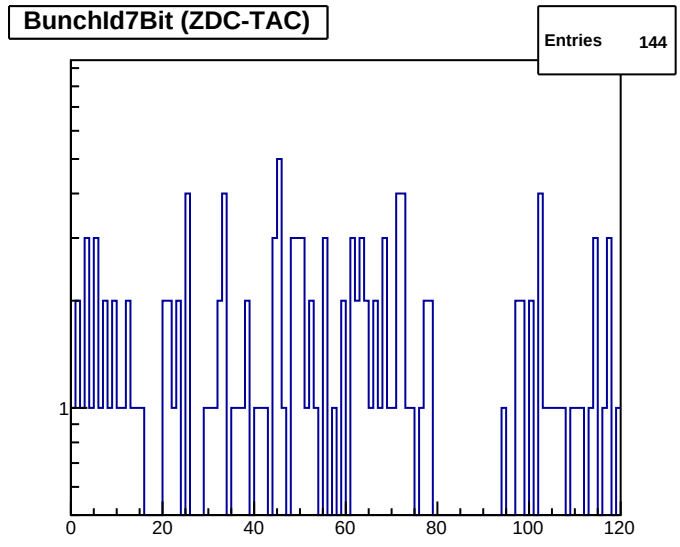
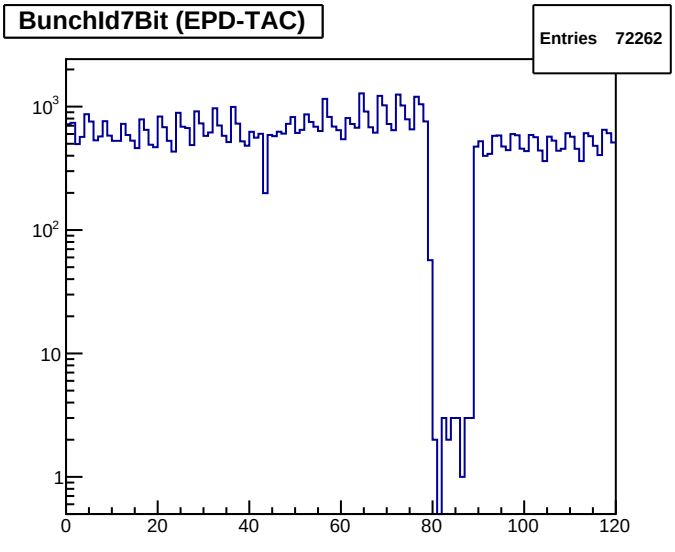
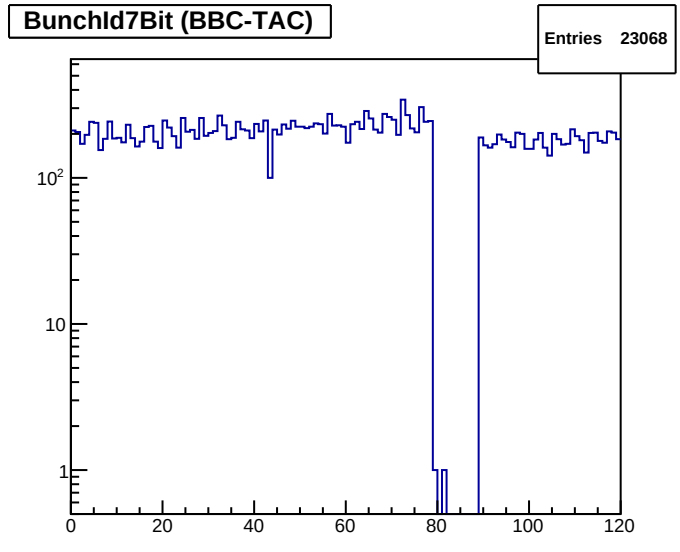
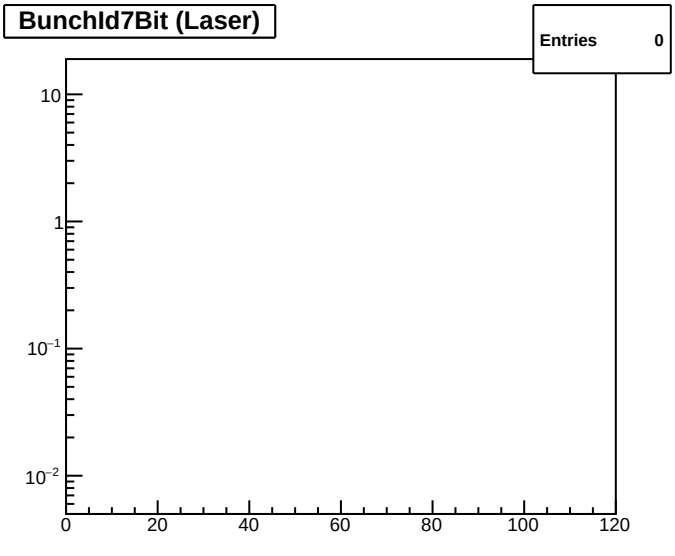
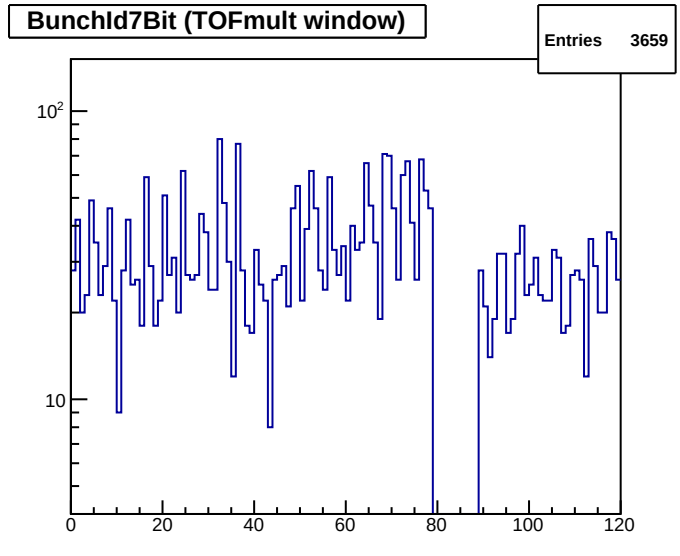

BunchId7Bit (VPD-TAC)
Entries 46722
10^3
10^2
0 20 40 60 80 100 120

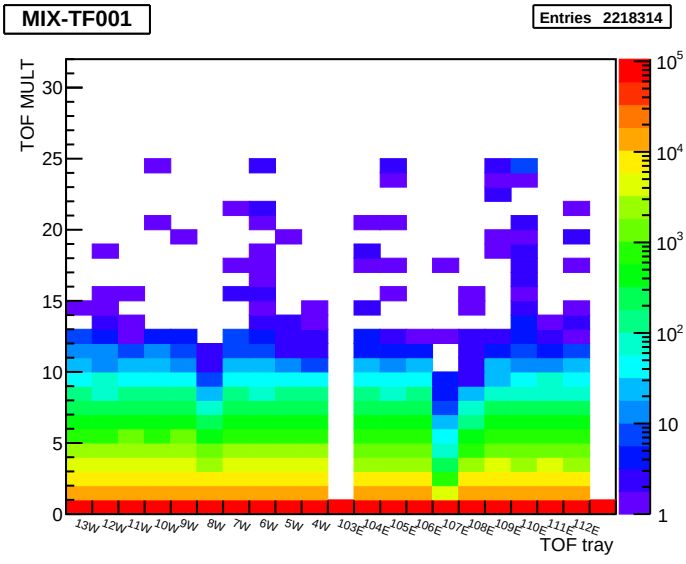

BunchId7Bit (ZDC-TAC)
Entries 144
1
0 20 40 60 80 100 120

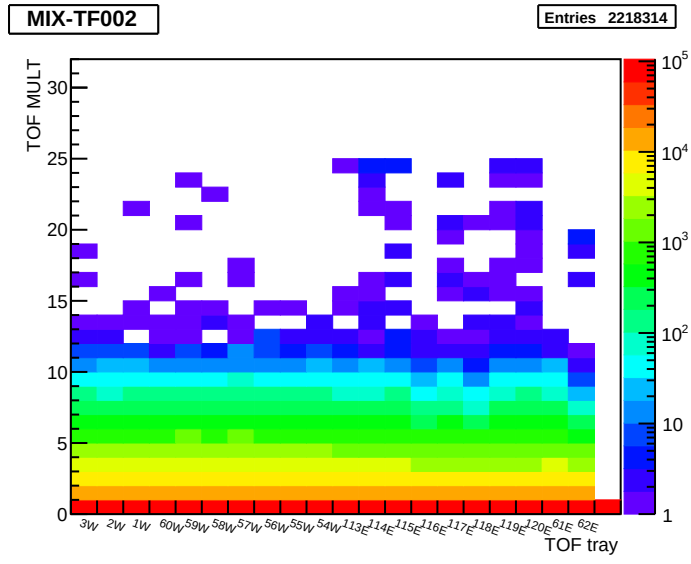

BunchId7Bit (EPD-TAC)
Entries 72262
10^3
10^2
10
1
0 20 40 60 80 100 120

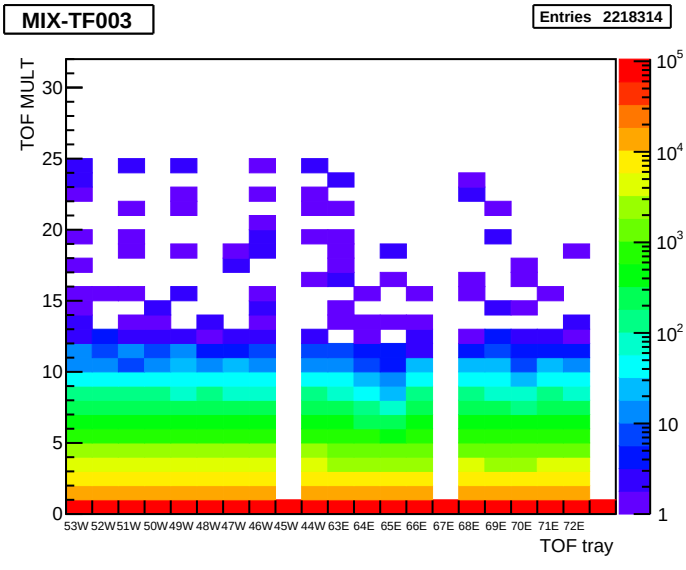

BunchId7Bit (BBC-TAC)
Entries 23068
10^2
10
1
0 20 40 60 80 100 120

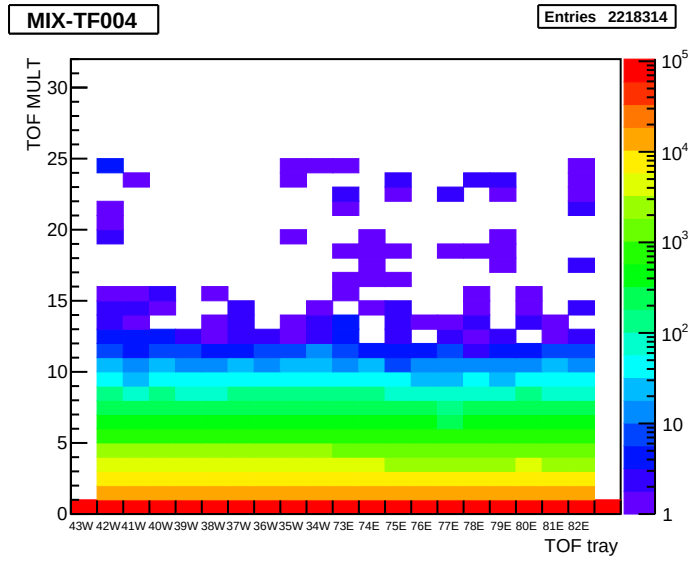

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

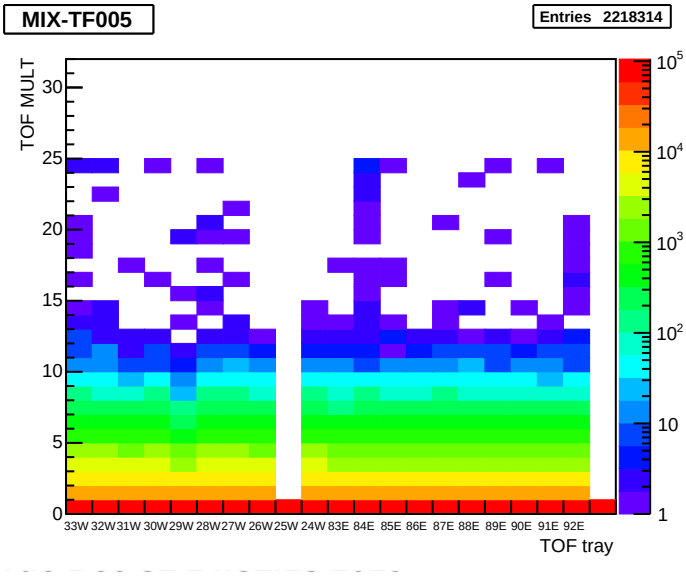

BunchId7Bit (TOFmult window)
Entries 3659
10^2
10
0 20 40 60 80 100 120

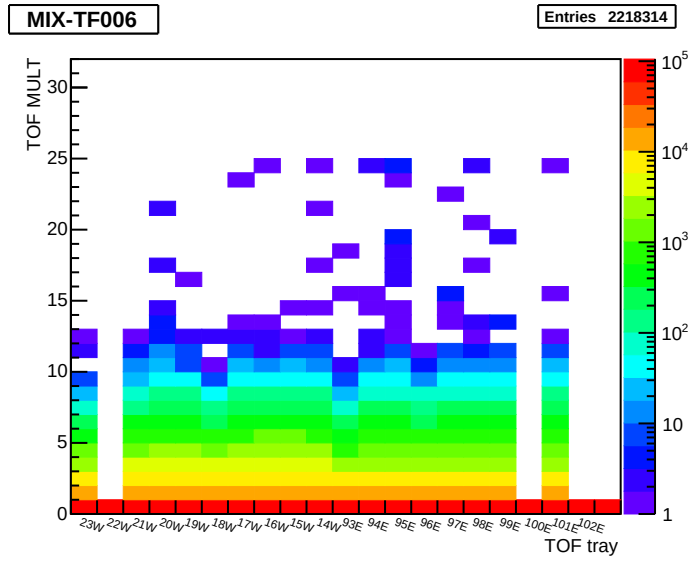

MIX-TF001
Entries 2218314
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

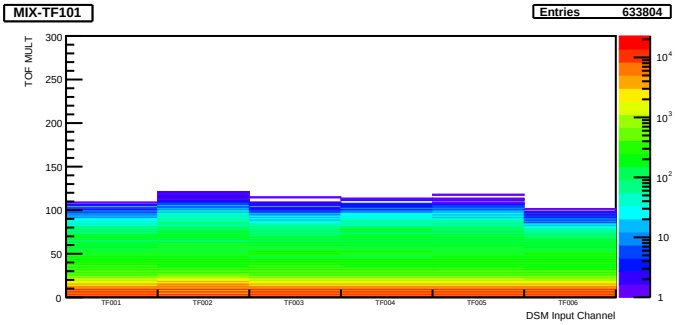

MIX-TF002
Entries 2218314
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

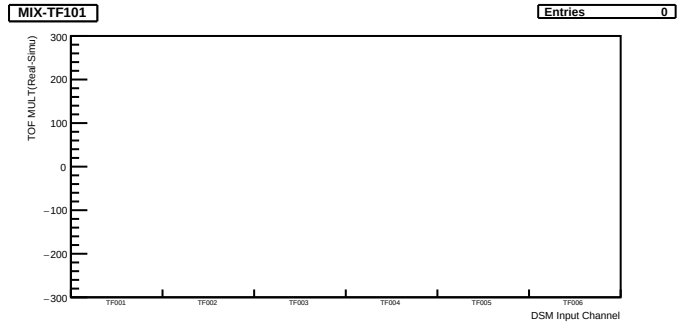

MIX-TF003
Entries 2218314
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

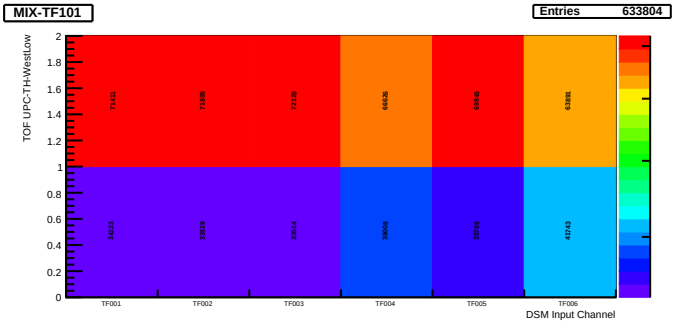

MIX-TF004
Entries 2218314
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

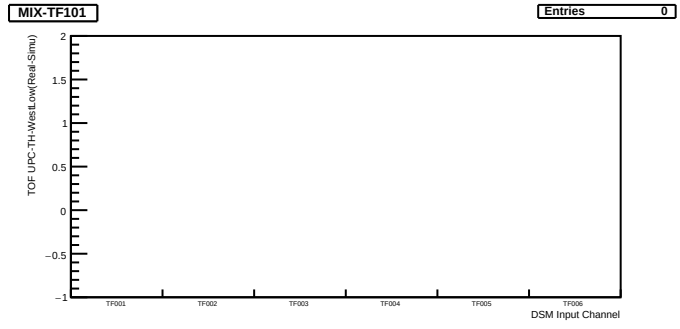

MIX-TF005
Entries 2218314
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

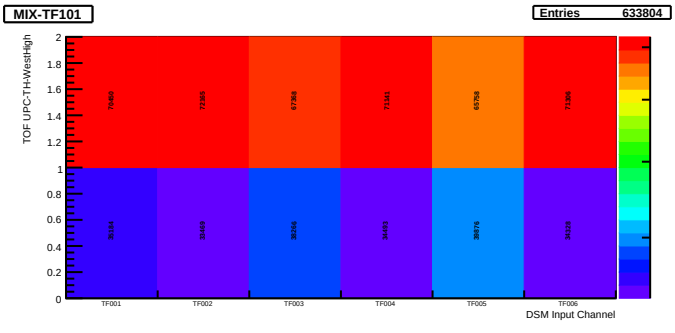

MIX-TF006
Entries 2218314
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

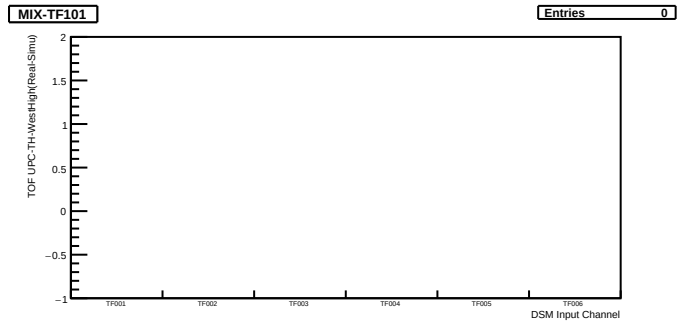

MIX-TF101
Entries 633804
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

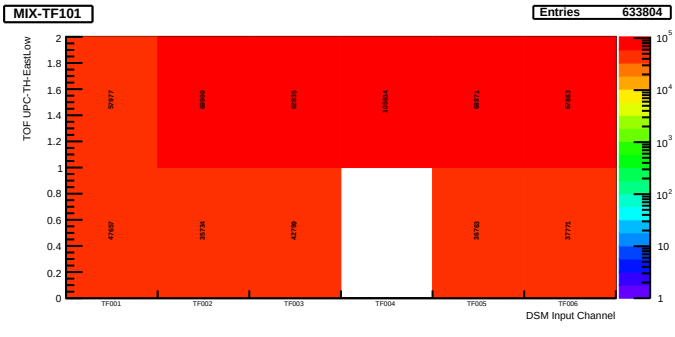

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

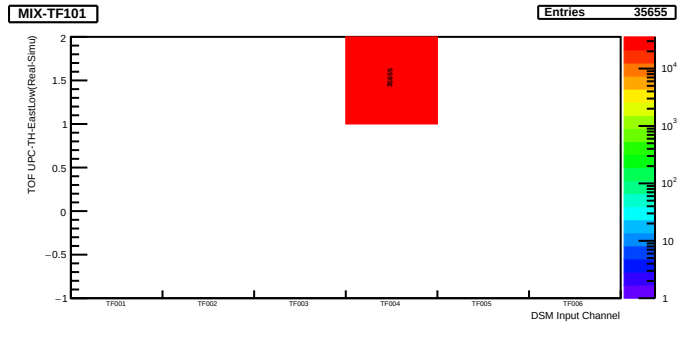

MIX-TF101
Entries 633804
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

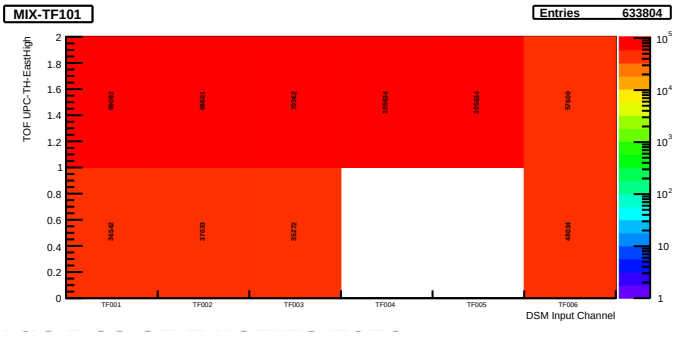

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

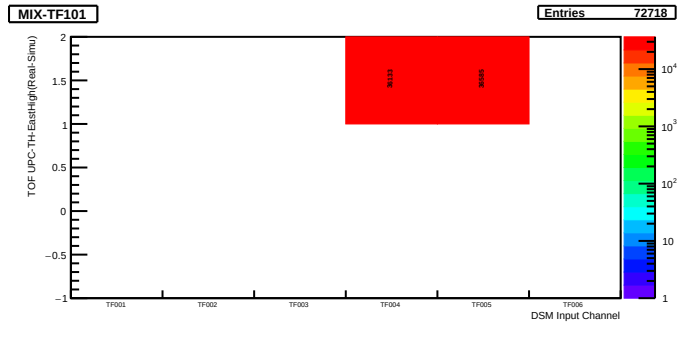

MIX-TF101
Entries 633804
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

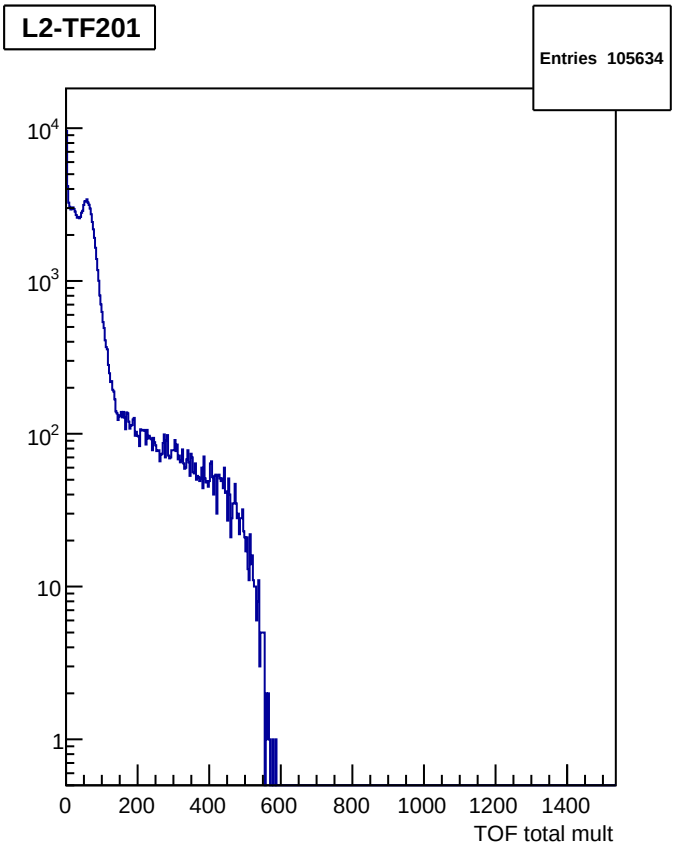

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

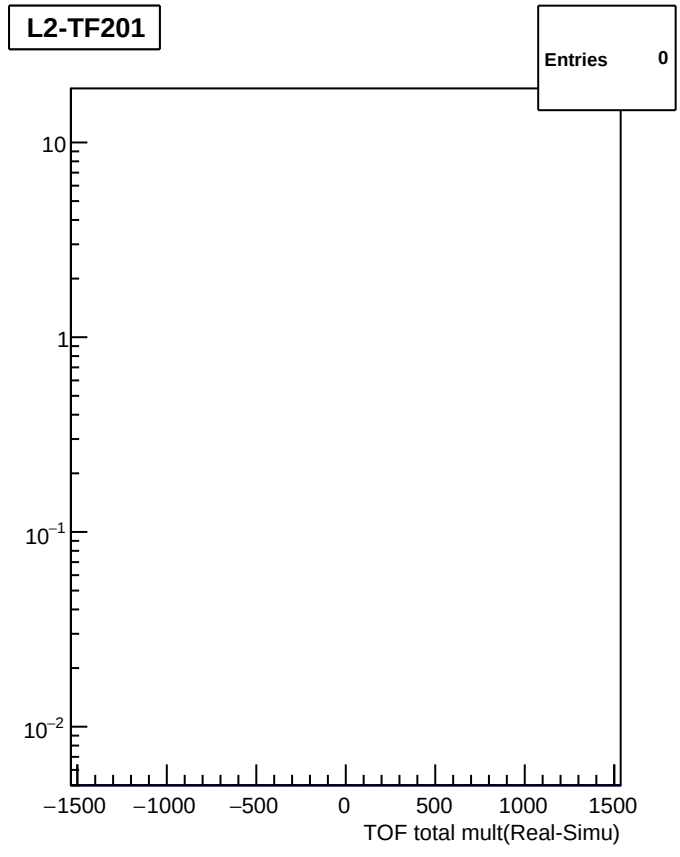

MIX-TF101
Entries 633804
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

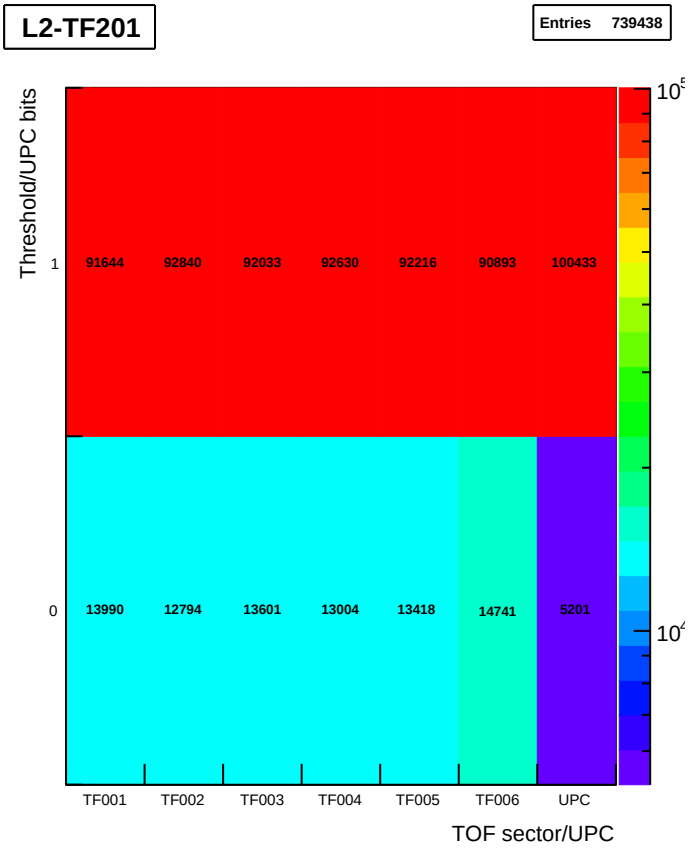

MIX-TF101
Entries 35655
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

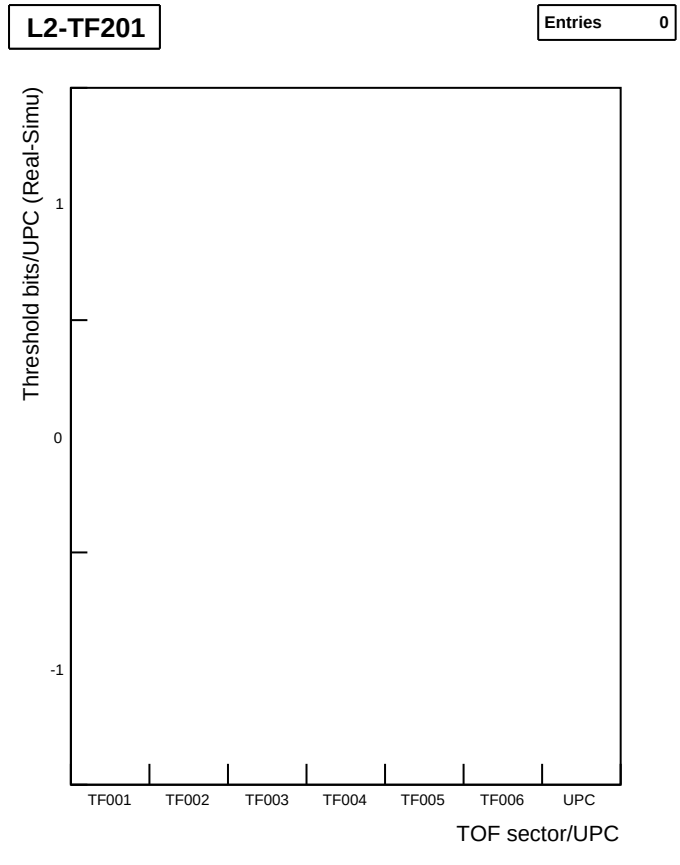

MIX-TF101
Entries 633804
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

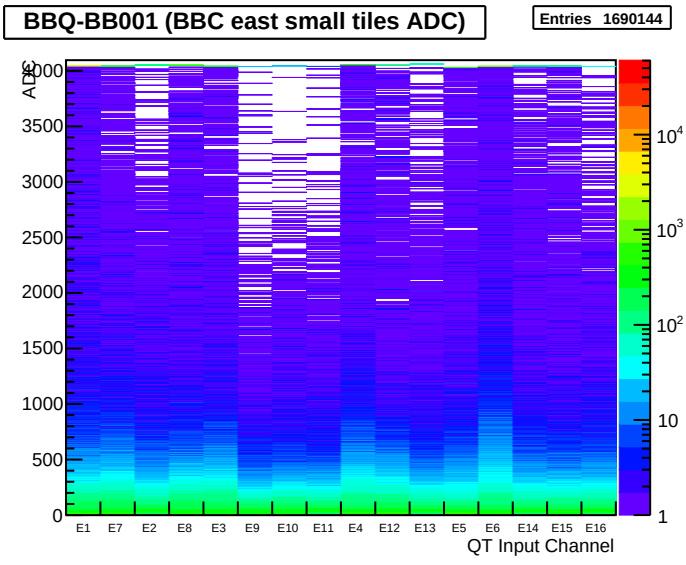

MIX-TF101
Entries 72718
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

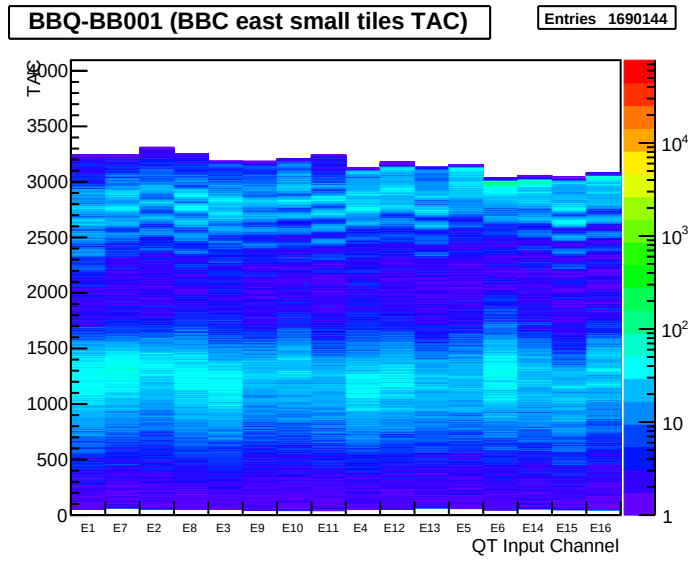

L2-TF201
Entries 105634
TOF total mult

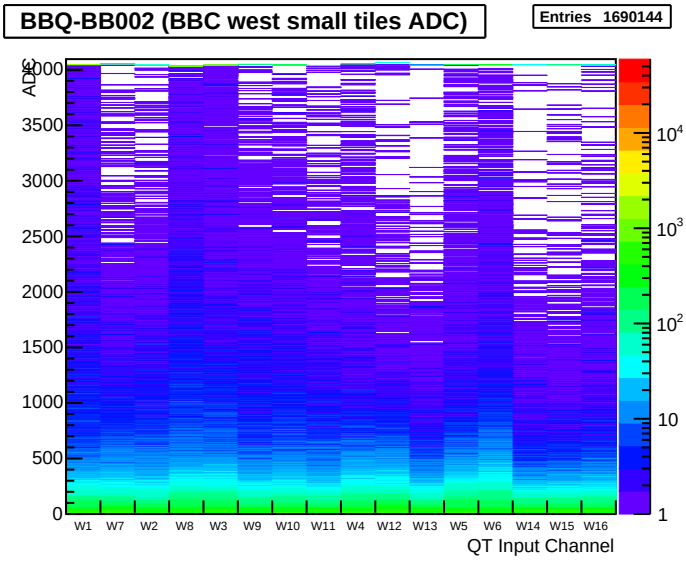

L2-TF201
Entries 0
TOF total mult(Real-Simu)

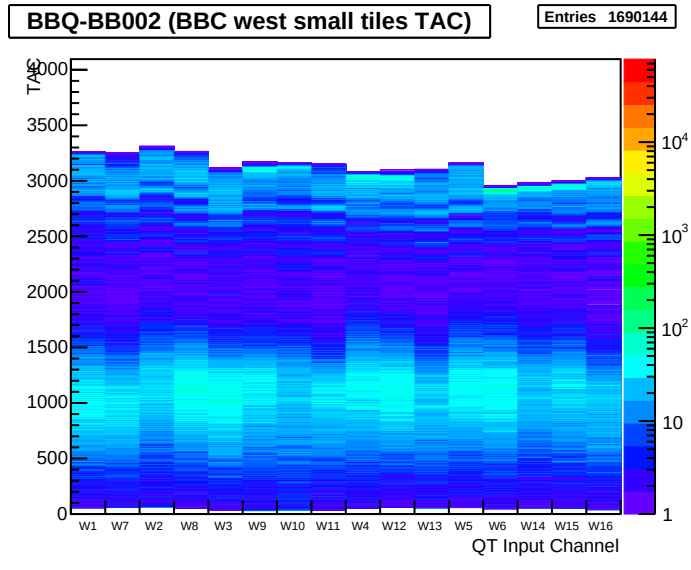

L2-TF201
Entries 739438
Threshold/UPC bits
91644
92840
92033
92630
92216
90893
100433
13990
12794
13601
13004
13418
14741
5201
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

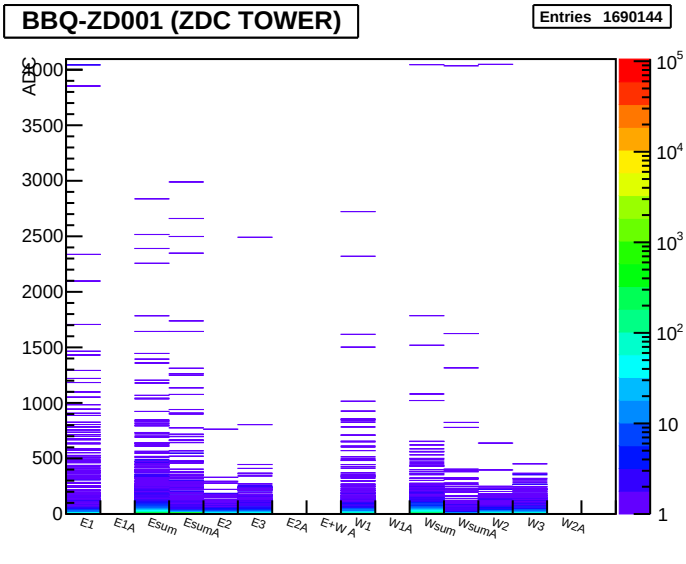

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

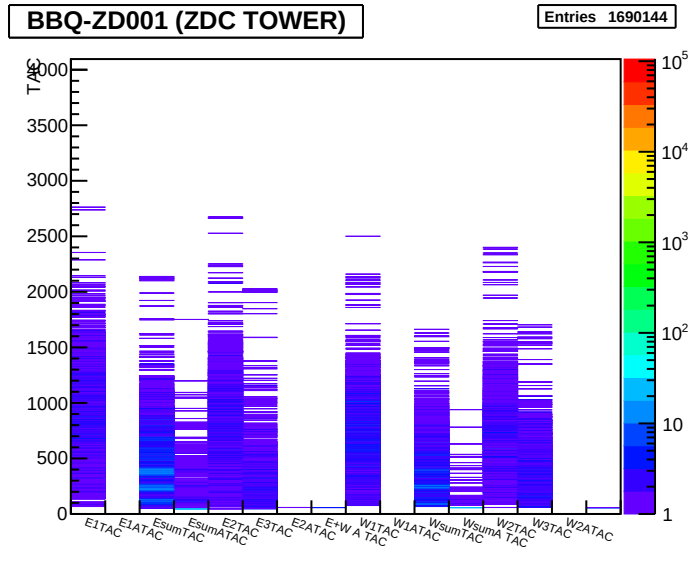

BBQ-BB001 (BBC east small tiles ADC)
Entries 1690144
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

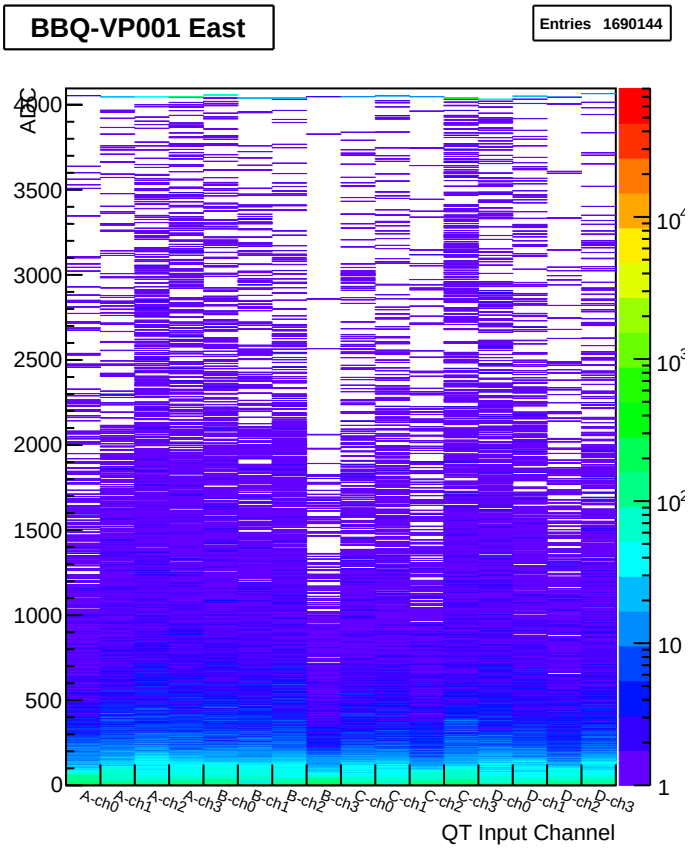

BBQ-BB001 (BBC east small tiles TAC)
Entries 1690144
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

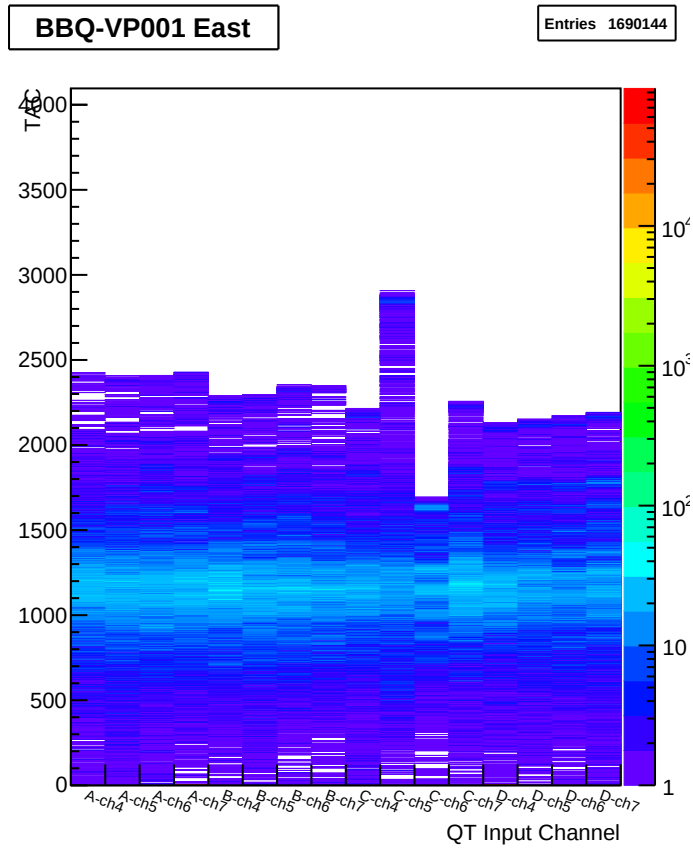

BBQ-BB002 (BBC west small tiles ADC)
Entries 1690144
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

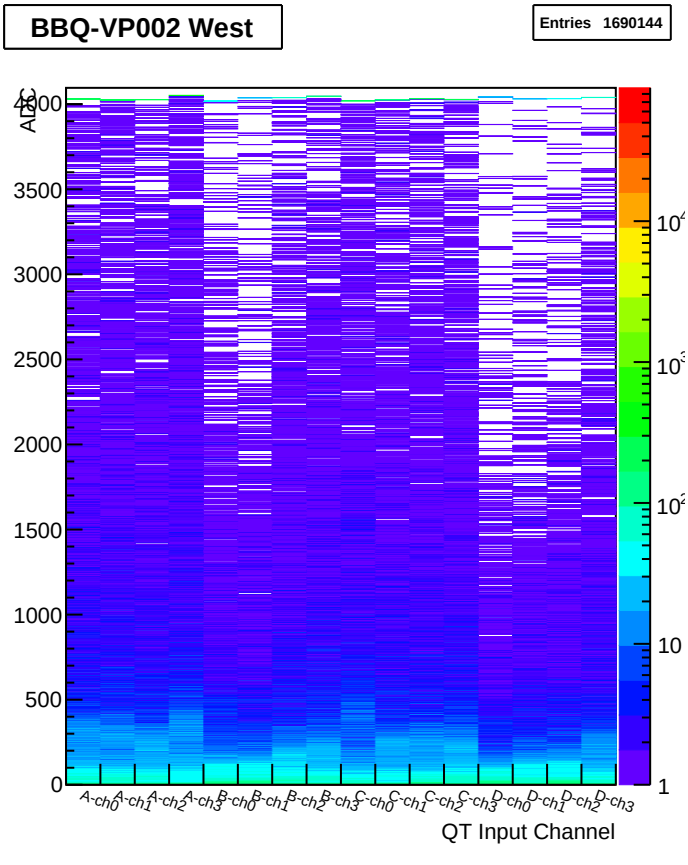

BBQ-BB002 (BBC west small tiles TAC)
Entries 1690144
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

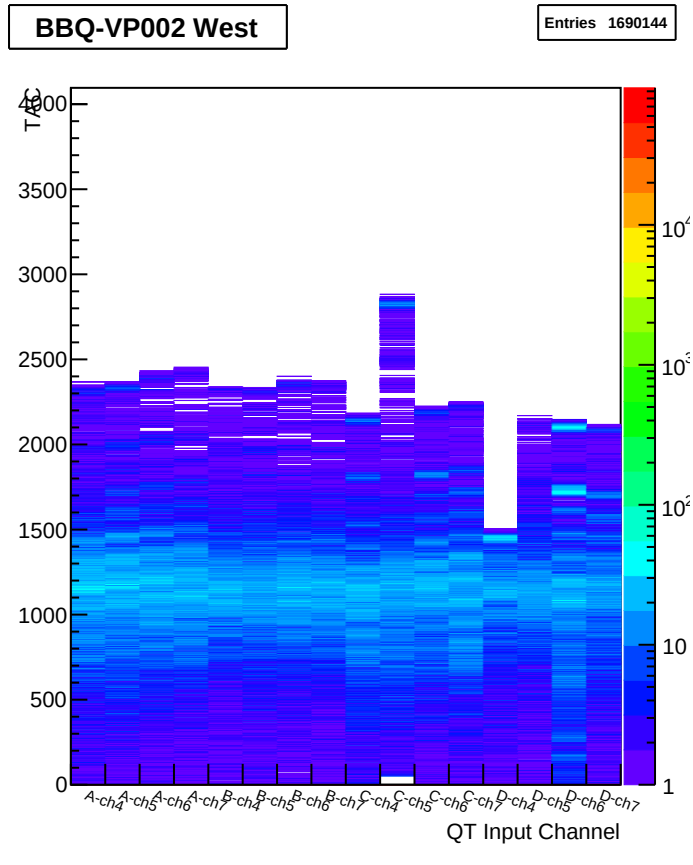

BBQ-ZD001 (ZDC TOWER)
Entries 1690144
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

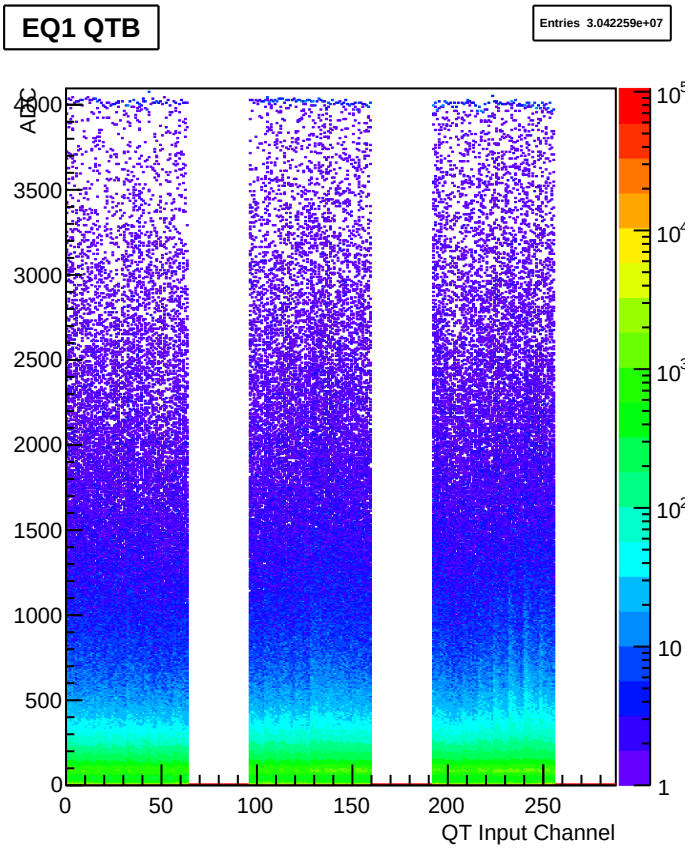

BBQ-ZD001 (ZDC TOWER)
Entries 1690144
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

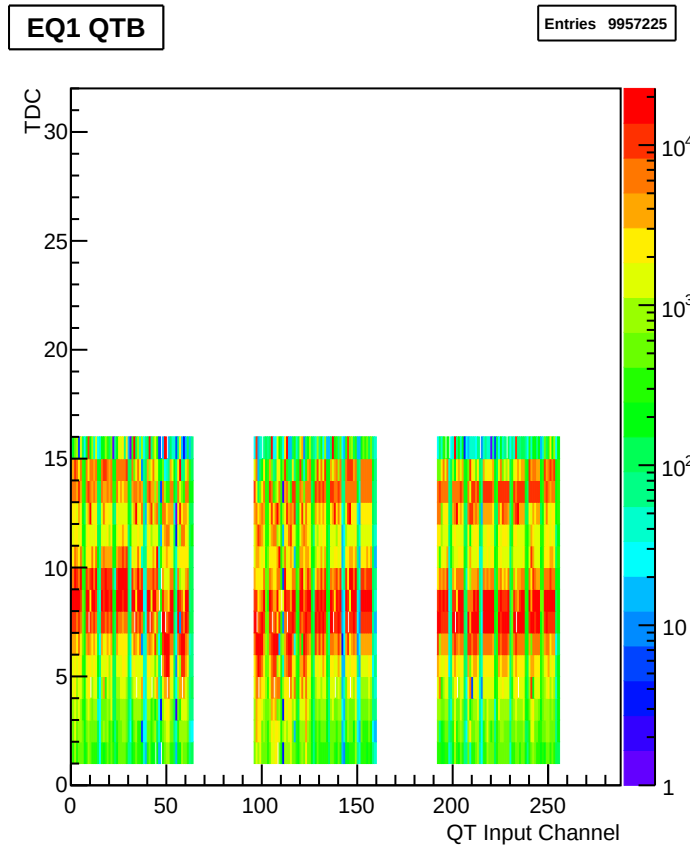

BBQ-VP001 East
Entries 1690144
ADC
QT Input Channel

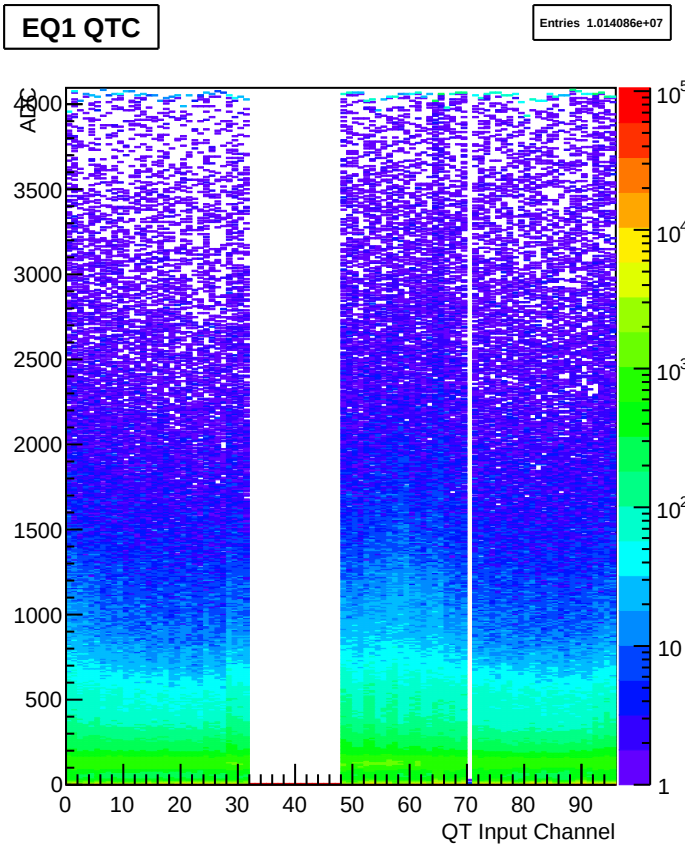

BBQ-VP001 East
Entries 1690144
TADC
QT Input Channel

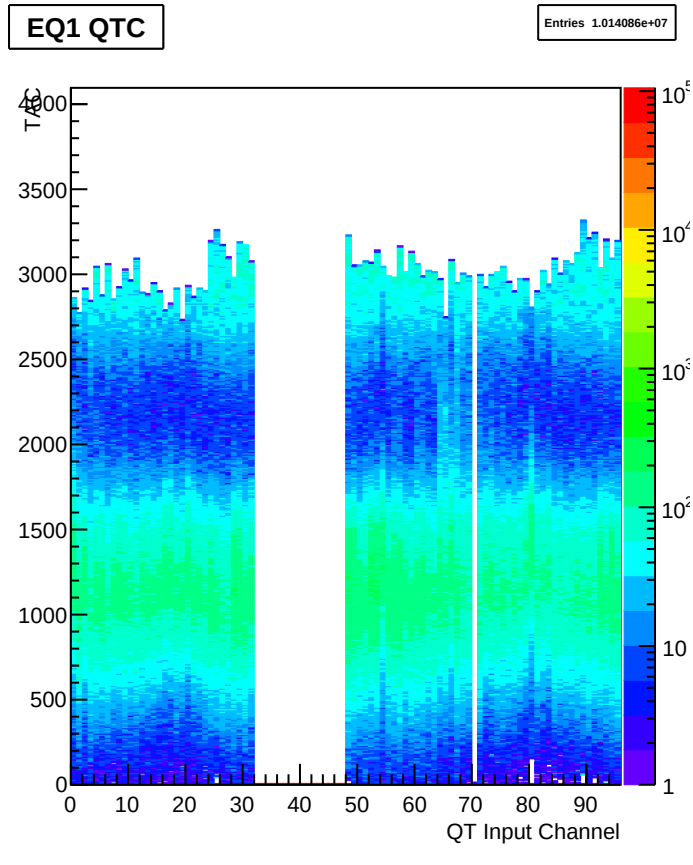

BBQ-VP002 West
Entries 1690144
ADC
QT Input Channel

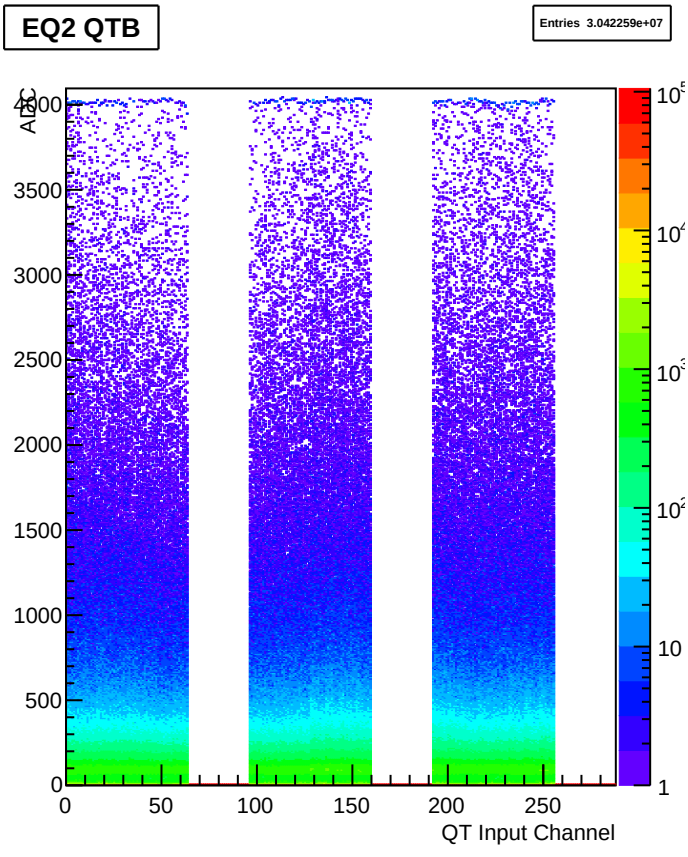

BBQ-VP002 West
Entries 1690144
TADC
QT Input Channel

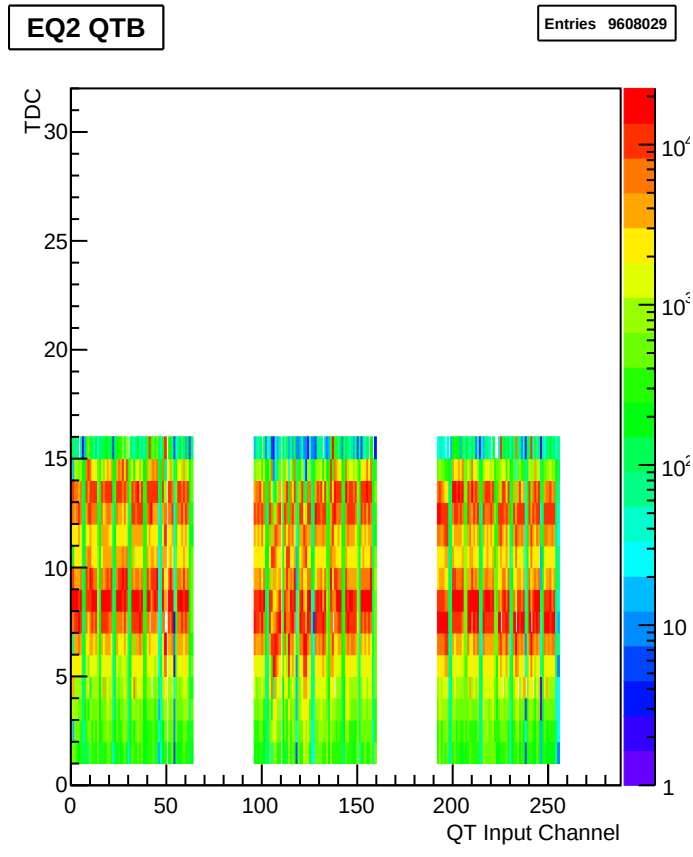

EQ1 QTB
Entries 3.042259e+07
ADC
QT Input Channel

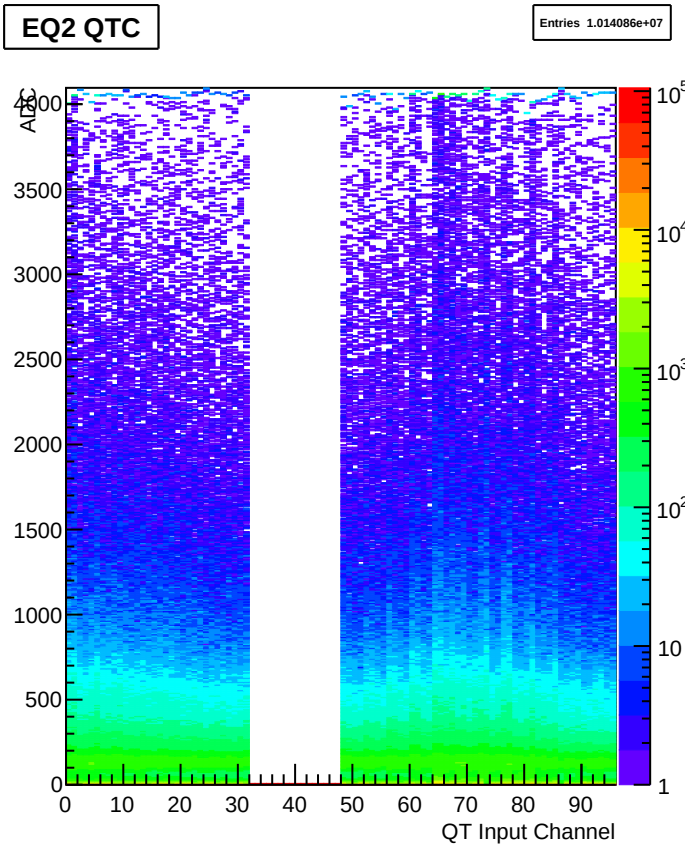

EQ1 QTB
Entries 9957225
TDC
QT Input Channel

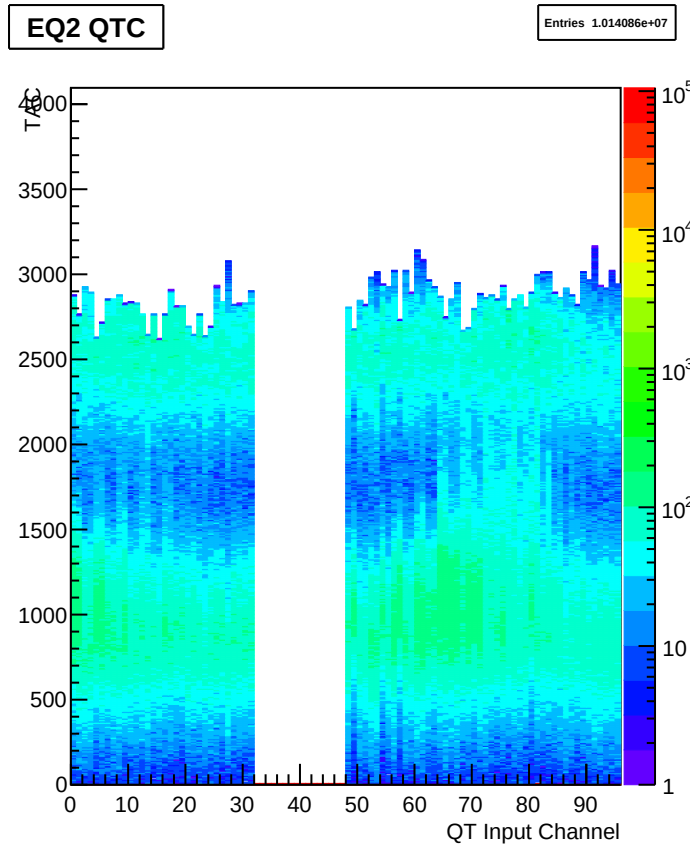

EQ1 QTC
Entries 1.014086e+07
ADC
QT Input Channel

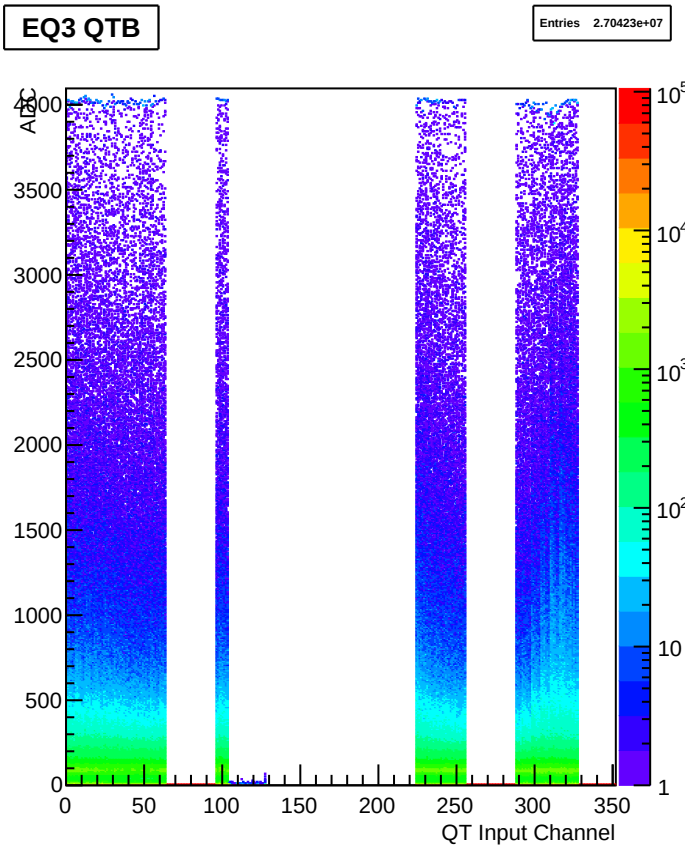

EQ1 QTC
Entries 1.014086e+07
TADC
QT Input Channel

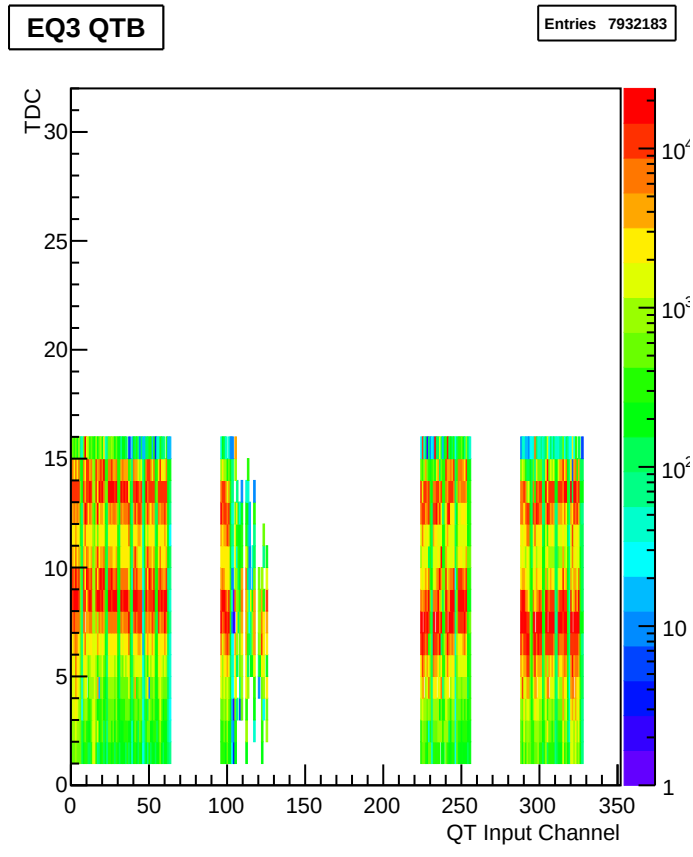

EQ2 QTB
Entries 3.042259e+07
ADC
QT Input Channel

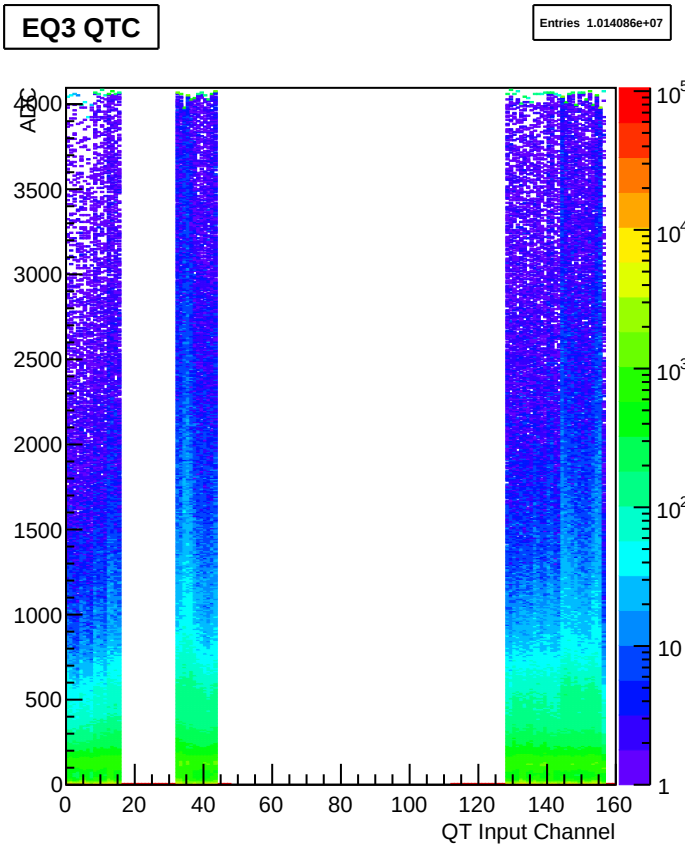

EQ2 QTB
Entries 9608029
TDC
QT Input Channel

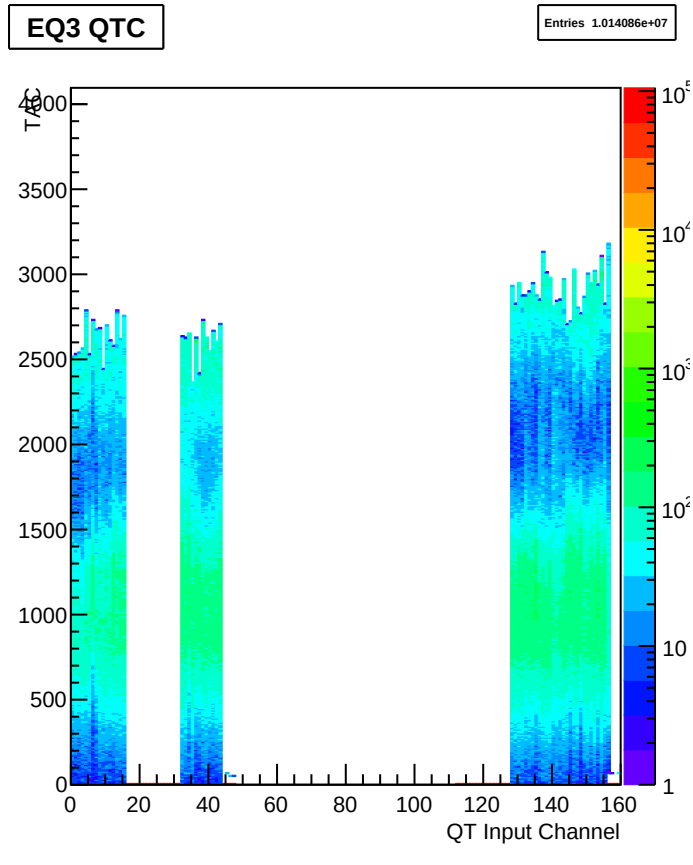

EQ2 QTC
Entries 1.014086e+07
ADC
QT Input Channel

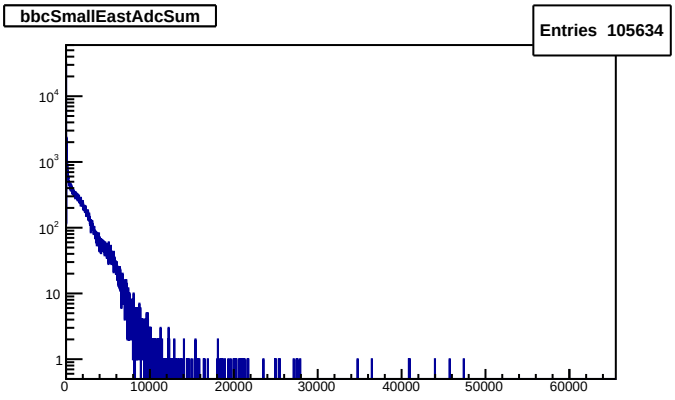

EQ2 QTC
Entries 1.014086e+07
TADC
QT Input Channel

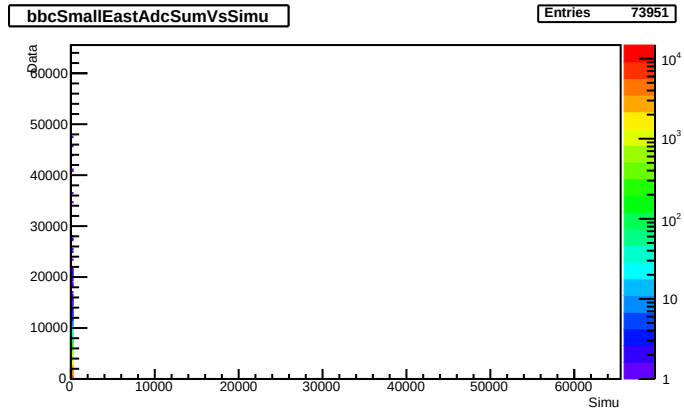

EQ3 QTB
Entries 2.70423e+07
ADC
QT Input Channel

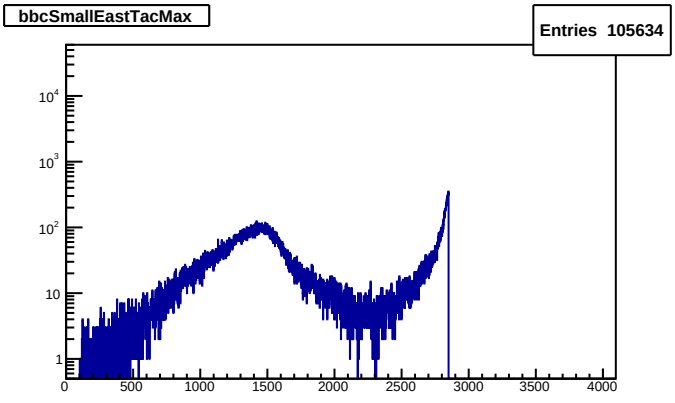

EQ3 QTB
Entries 7932183
TDC
QT Input Channel

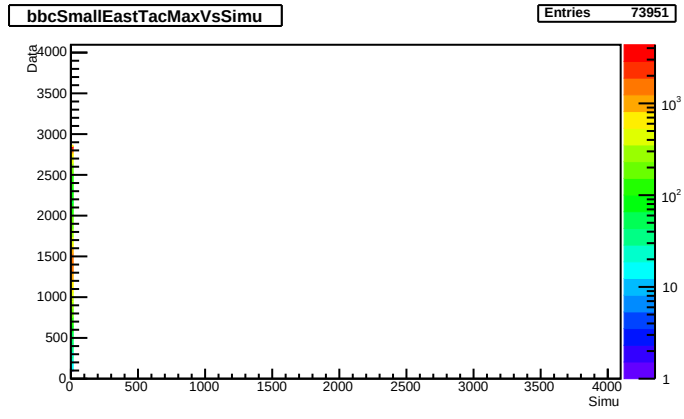

EQ3 QTC
Entries 1.014086e+07
ADC
QT Input Channel


EQ3 QTC
Entries 1.014086e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 105634


bbcSmallEastAdcSumVsSimu
Entries 73951
Data
Simu


bbcSmallEastTacMax
Entries 105634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Entries 73951
Data
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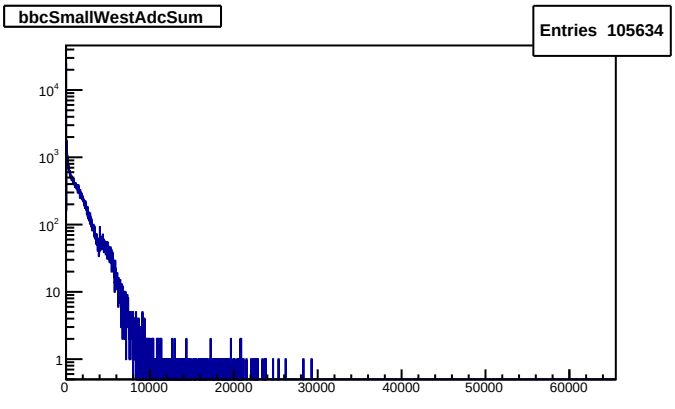
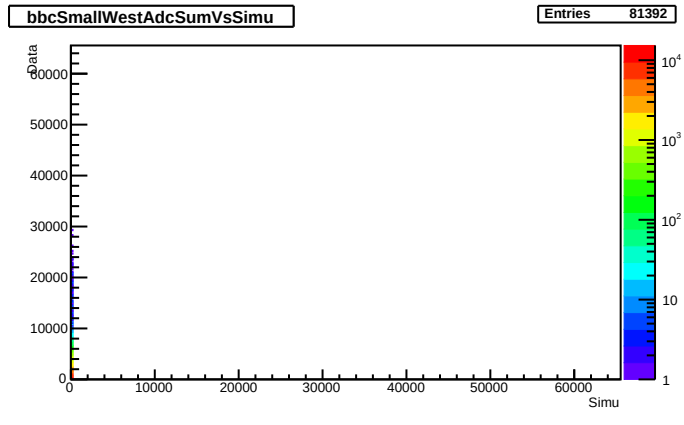

bbcSmallWestAdcSum
Entries 105634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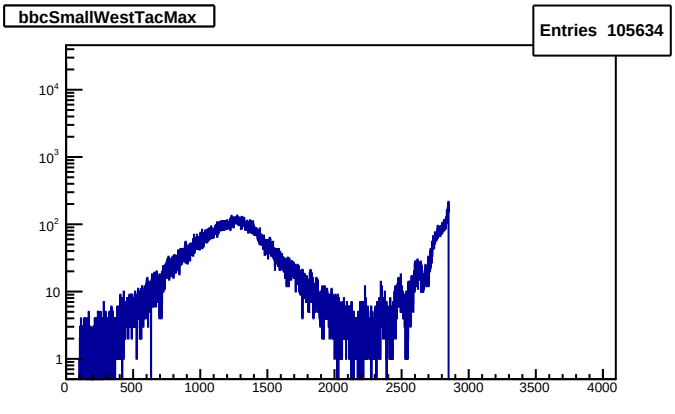
Entries 81392
Data
Simu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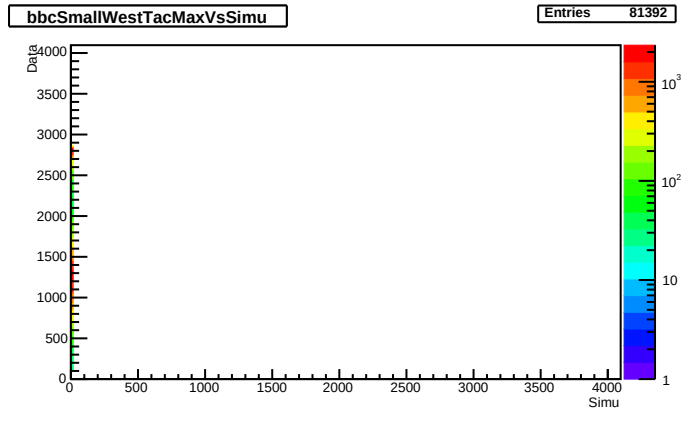
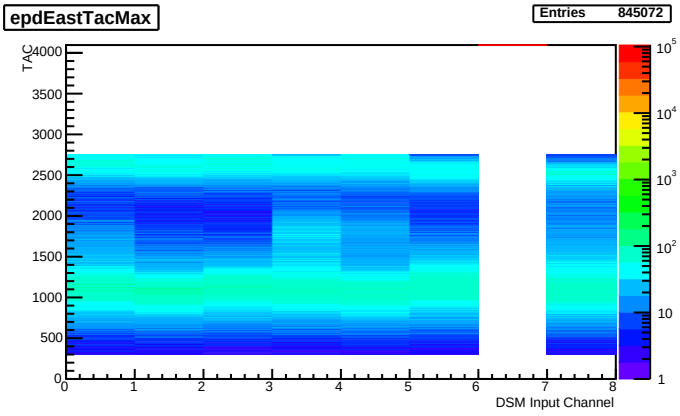
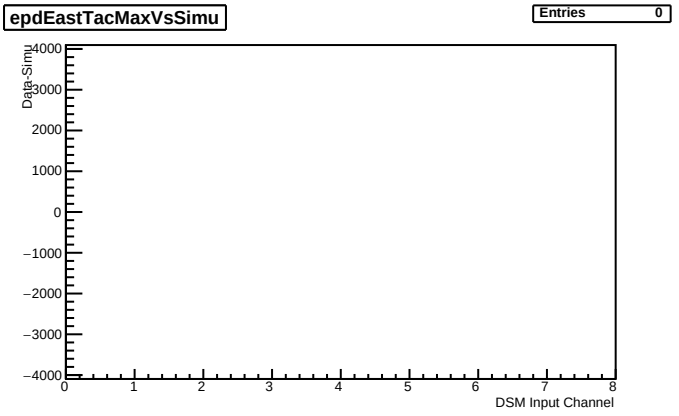
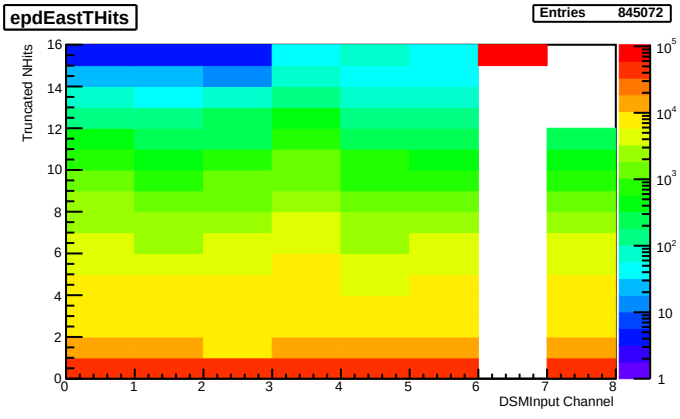
Entries 105634


bbcSmallWestTacMaxVsSimu
Entries 81392
Data
Simu


epdEastTacMax
Entries 845072
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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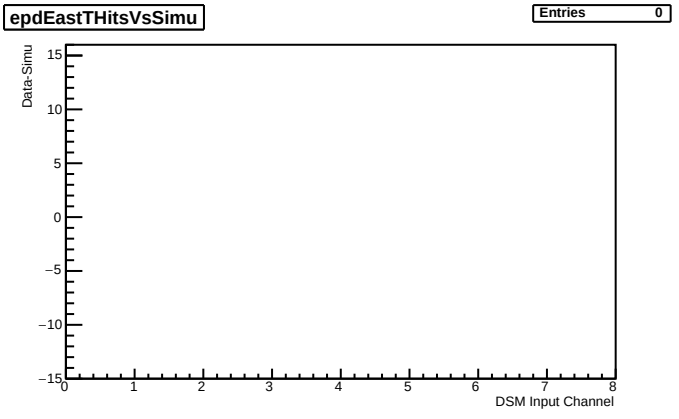
Entries 845072
Truncated NHits
DSMInput Channel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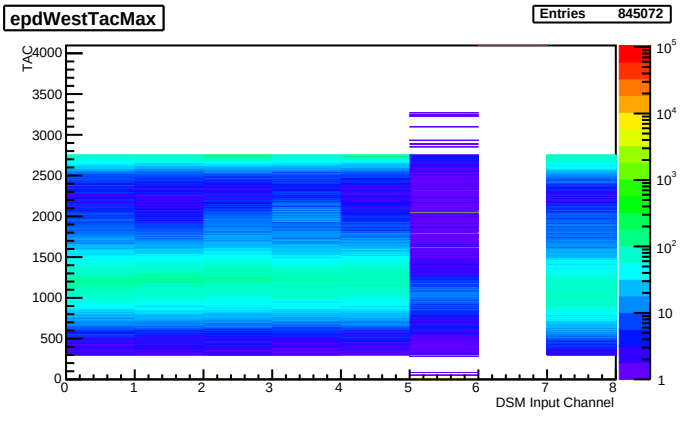
Data-Simu
DSM Input Channel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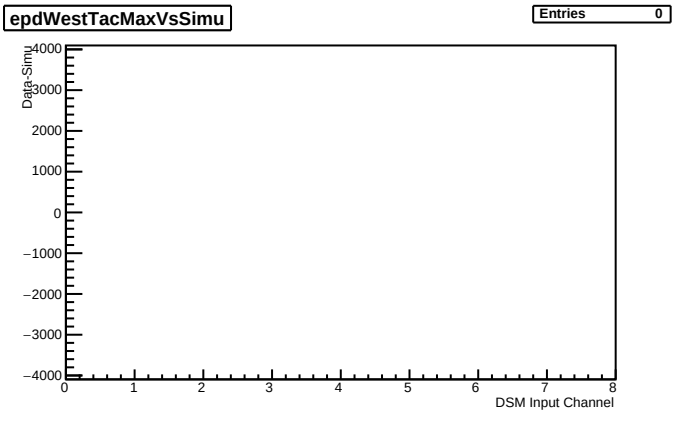
TAC
DSM Input Channel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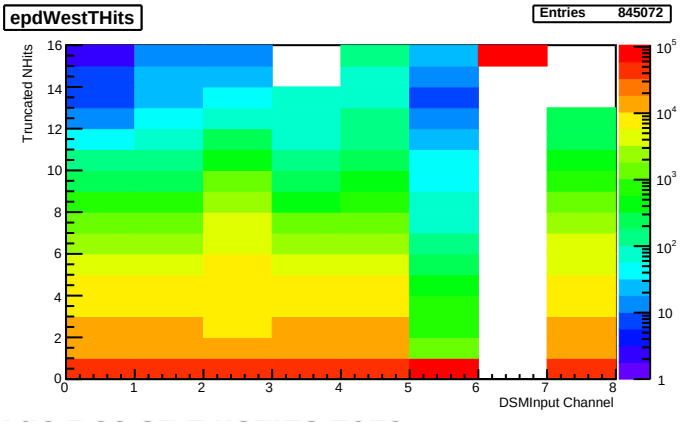
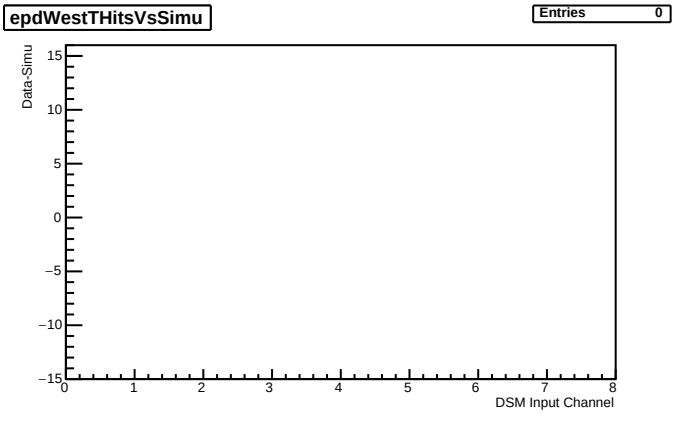
Data-Simu
DSM Input Channel


epdWestTHits
Entries 845072
Truncated NHits
DSMInput Channel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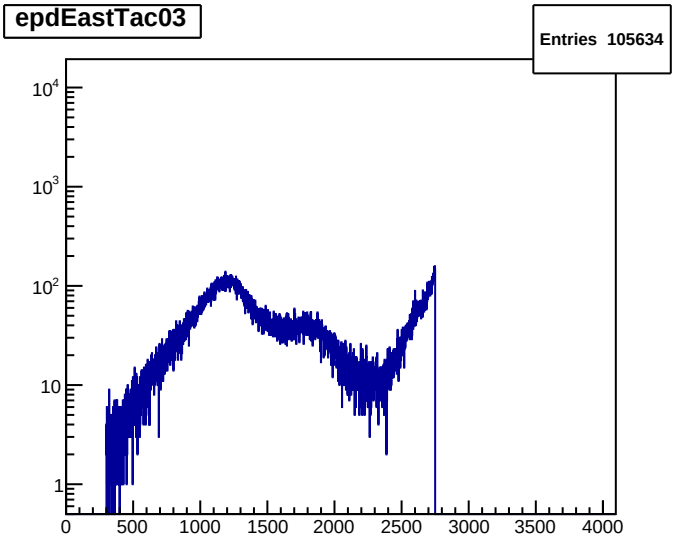
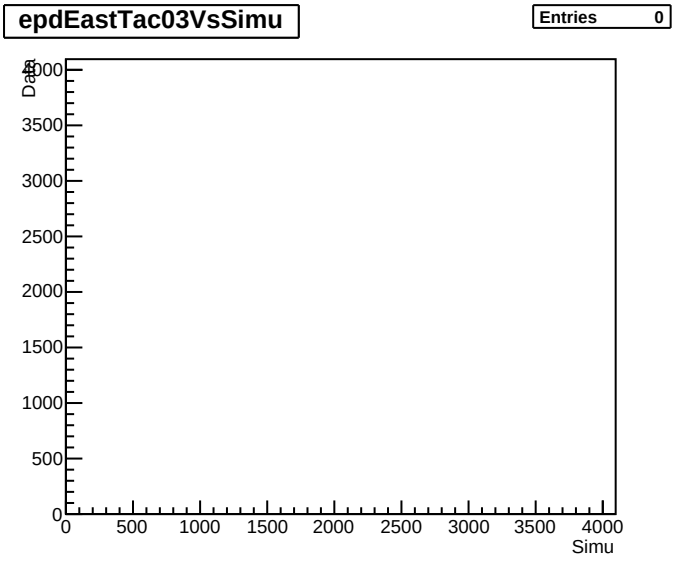
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 105634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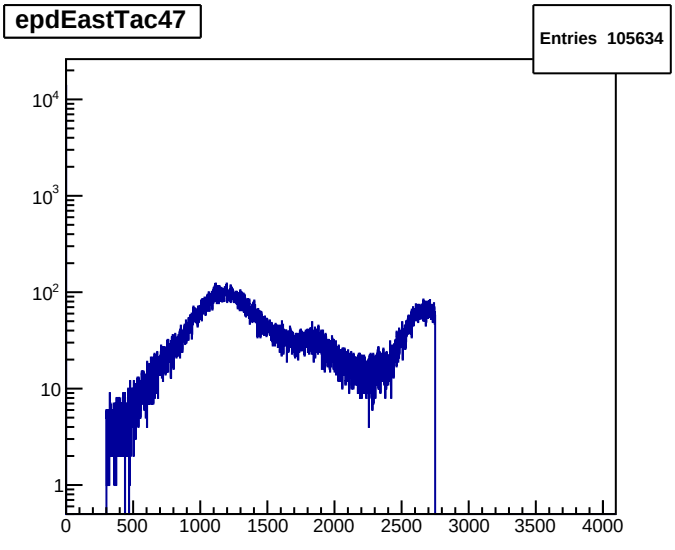
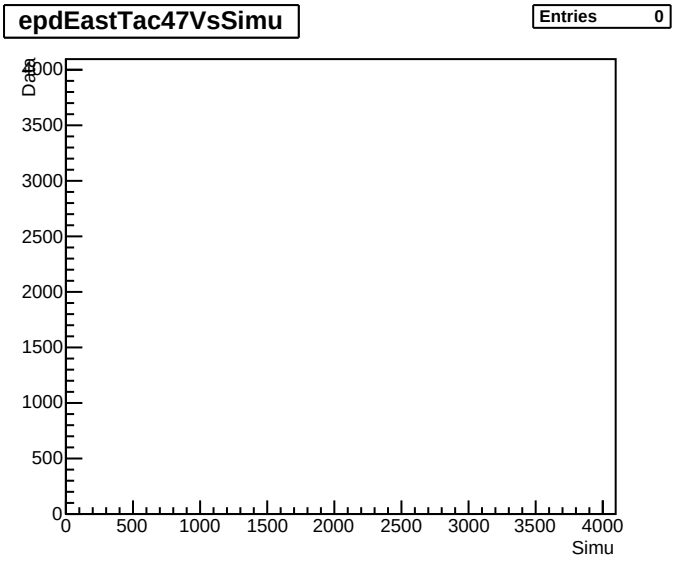
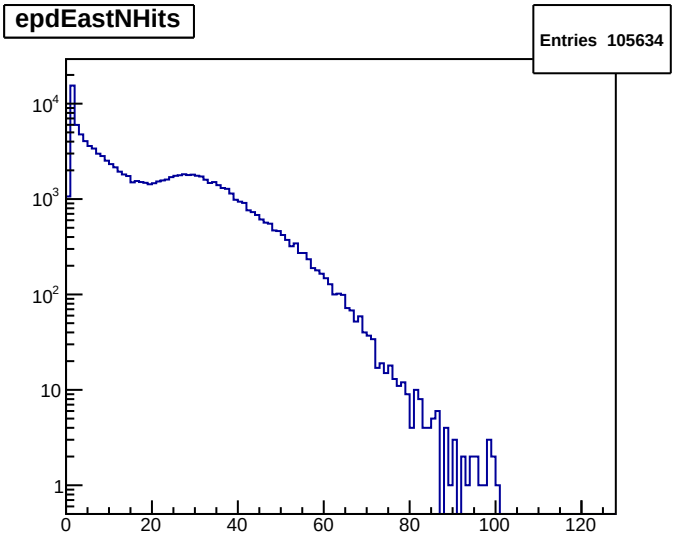
Entries 0
Data
Simu


epdEastTac47
Entries 105634


epdEastTac47VsSimu
Entries 0
Data
Simu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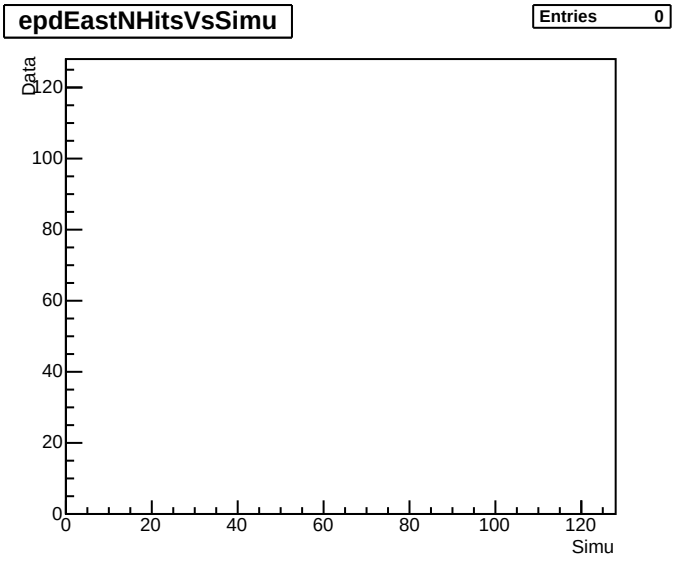
Entries 105634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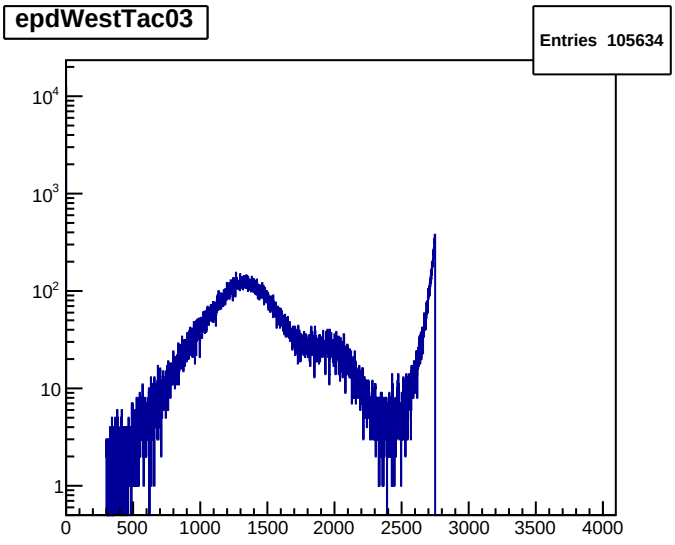
Entries 0
Data
Simu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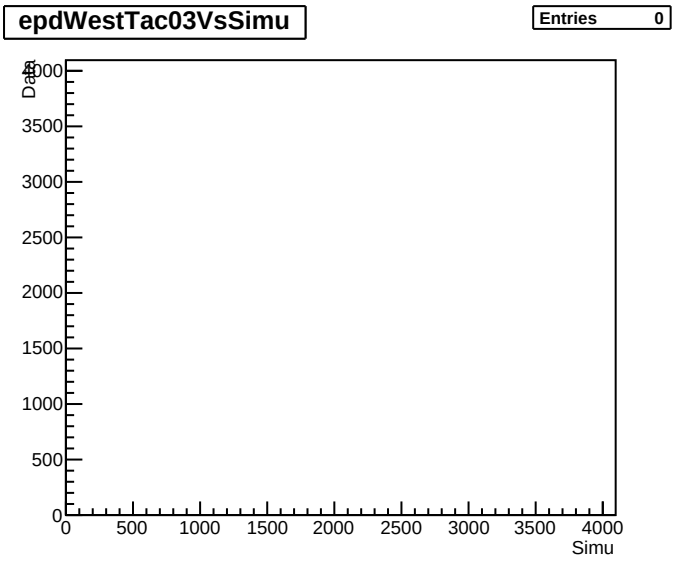
Entries 105634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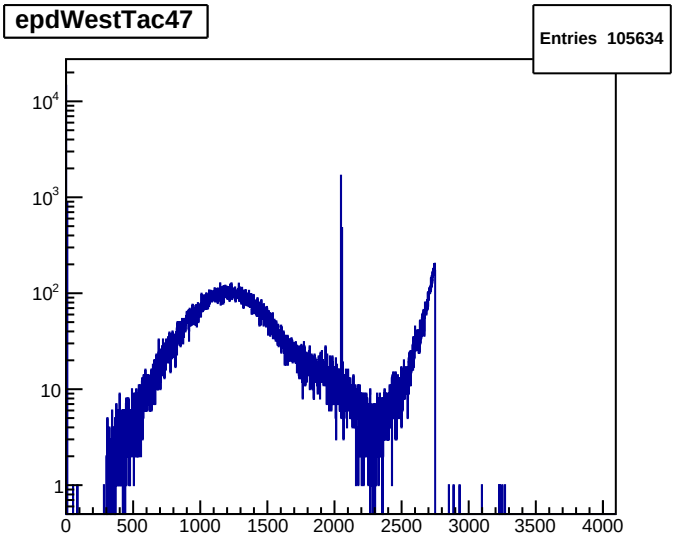
Entries 0
Data
Simu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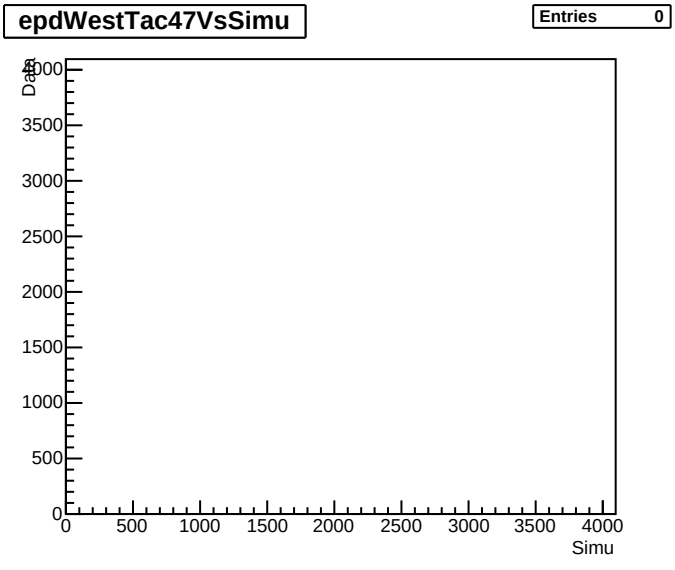
Entries 105634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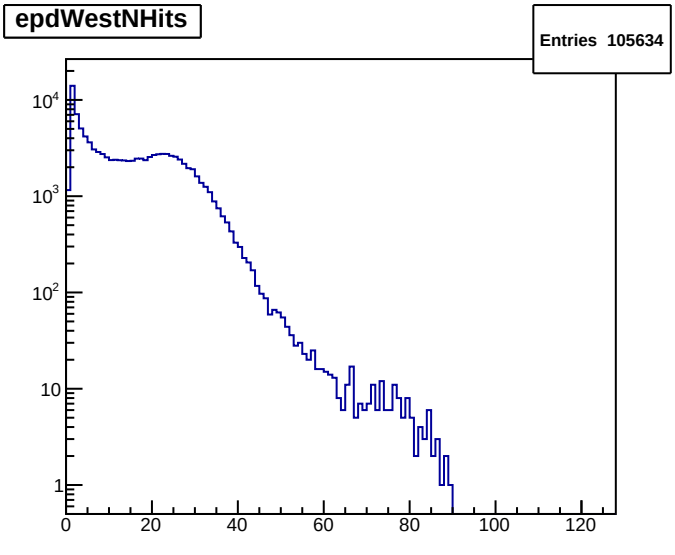
Entries 0
Data
Simu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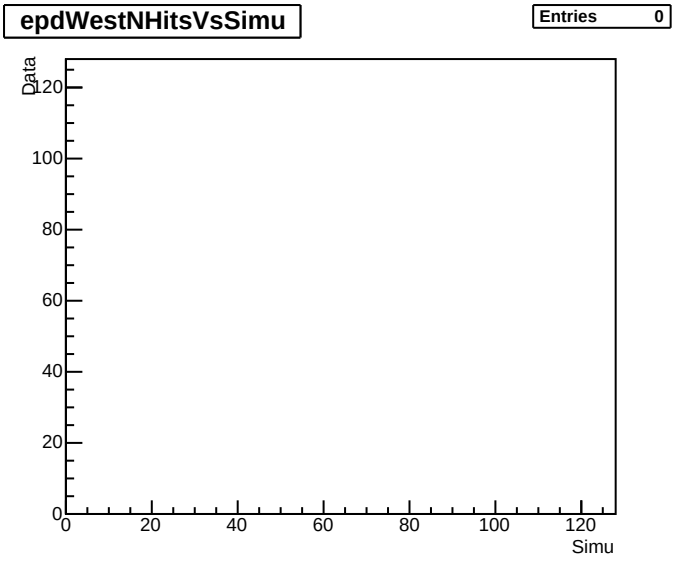
Entries 105634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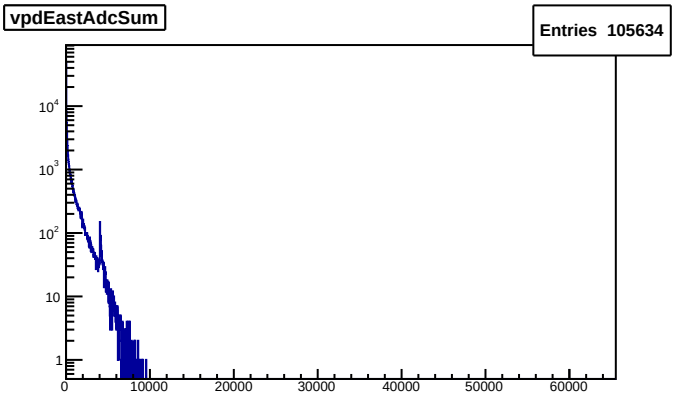
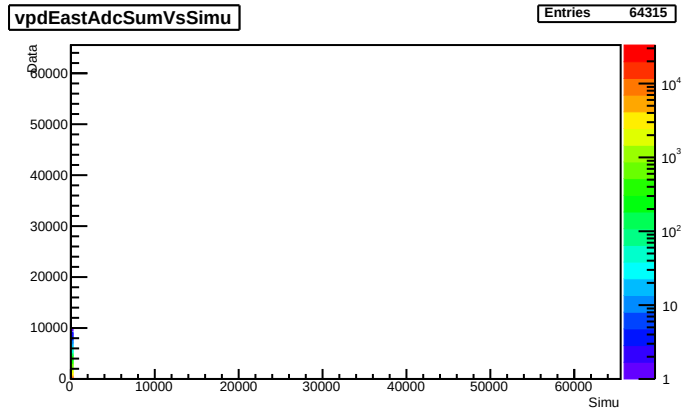
Entries 0
Data
Simu


vpdEastAdcSum
Entries 105634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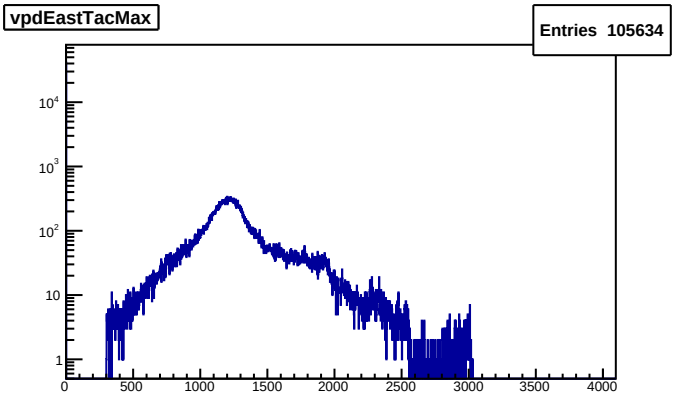
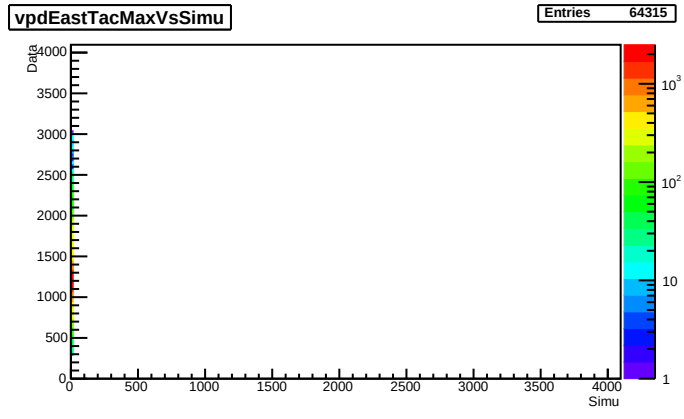
Entries 64315
Data
Simu


vpdEastTacMax
Entries 105634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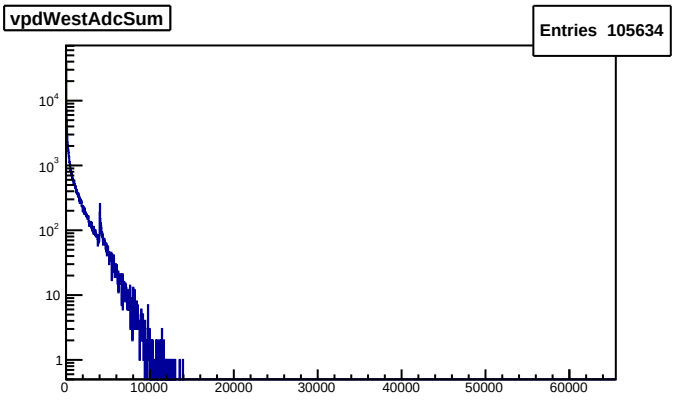
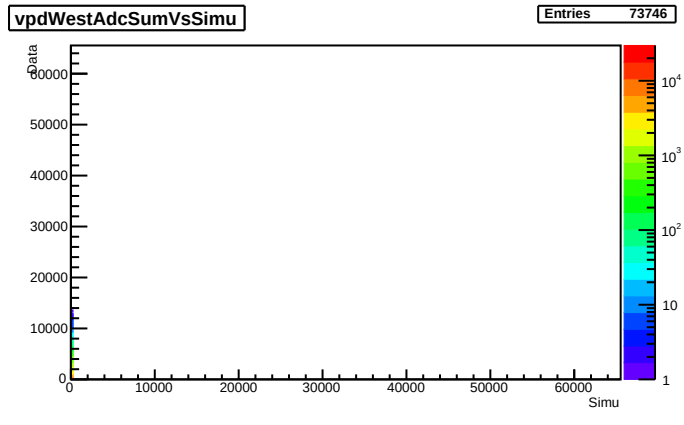
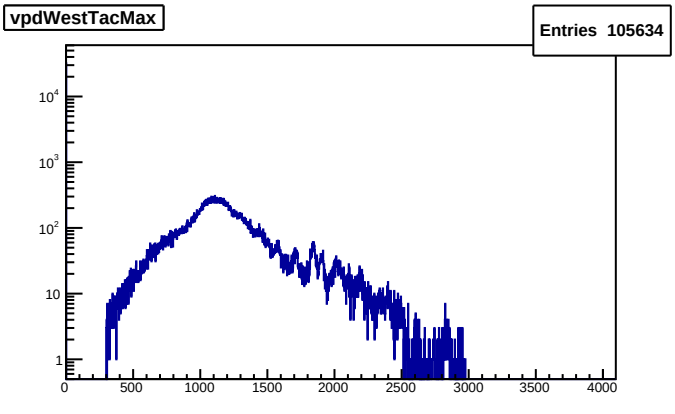
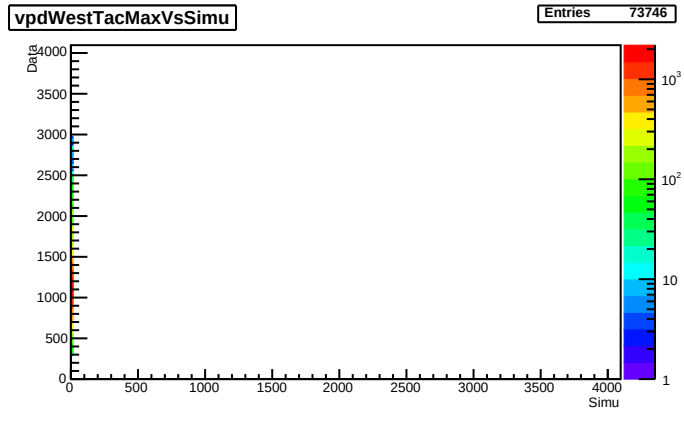
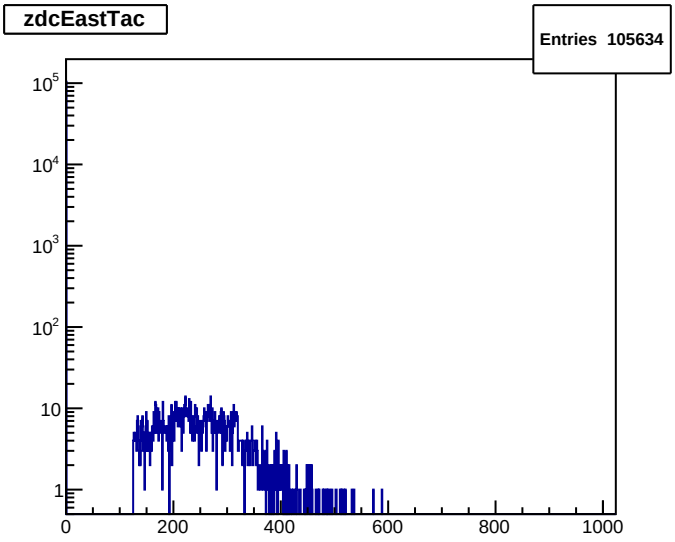
Entries 64315
Data
Simu

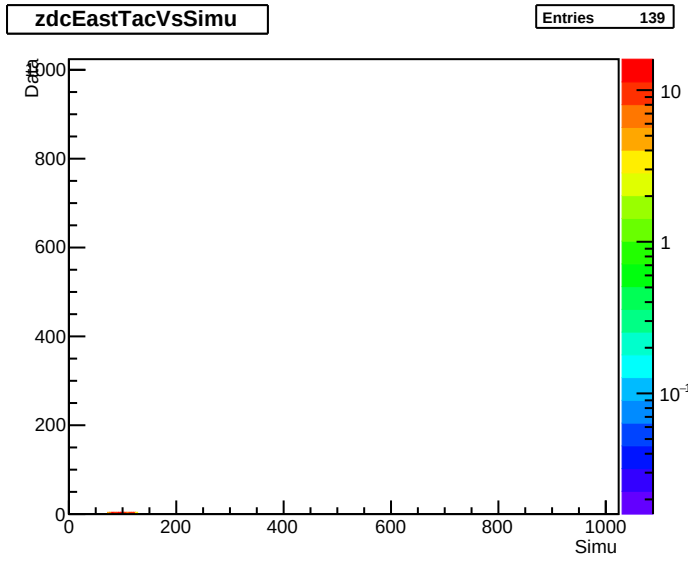

vpdWestAdcSum
Entries 105634

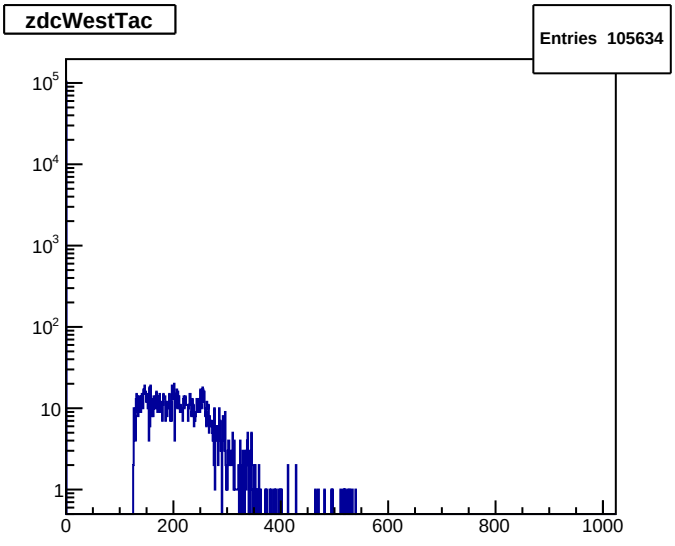

vpdWestAdcSumVsSimu
Entries 73746
Data
Simu

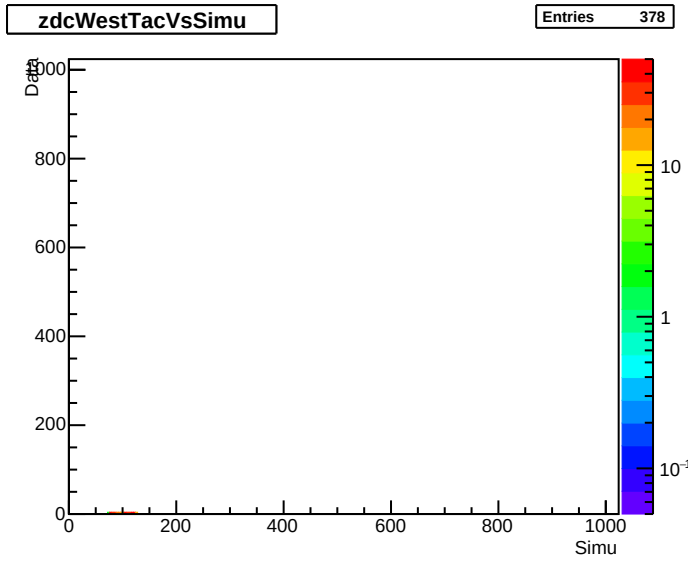

vpdWestTacMax
Entries 105634

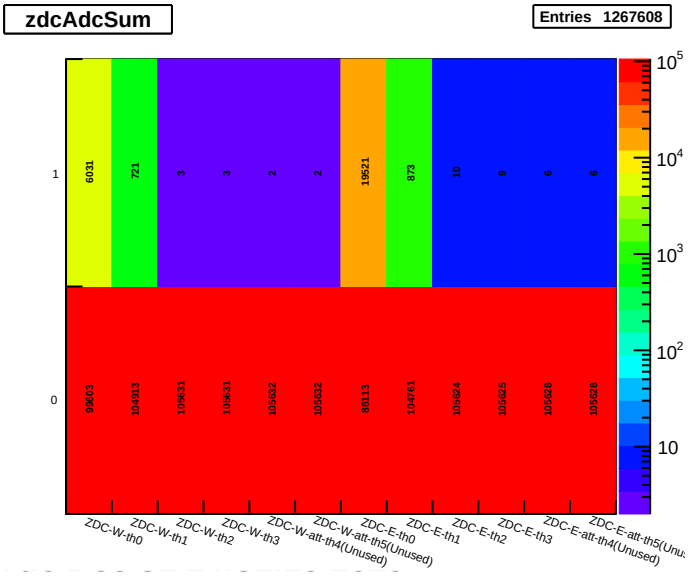

vpdWestTacMaxVsSimu
Entries 73746
Data
Simu

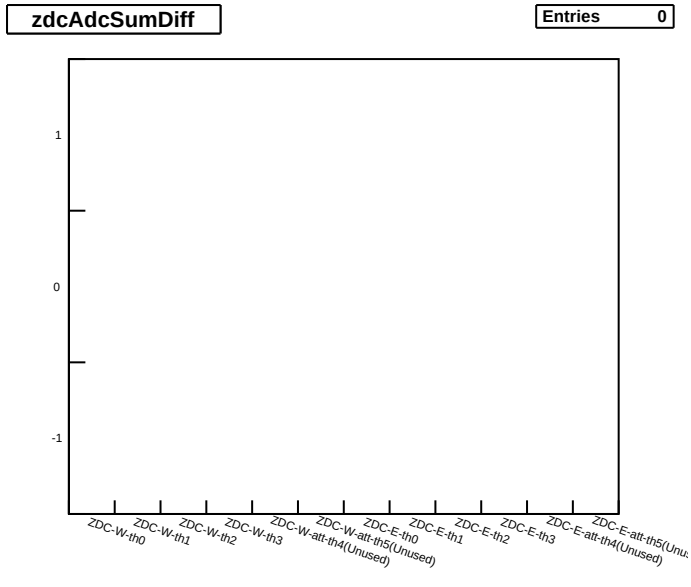

zdcEastTac
Entries 105634

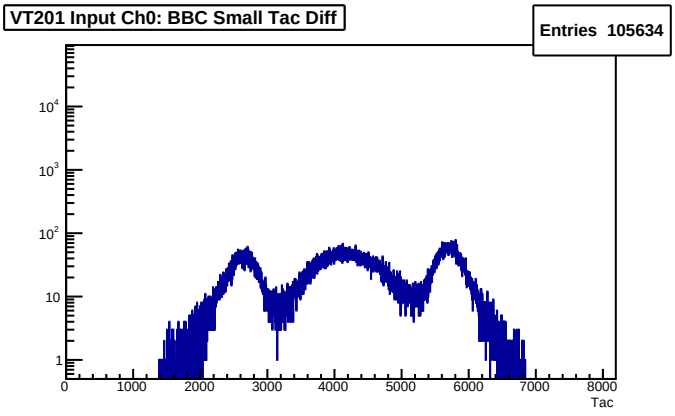

zdcEastTacVsSimu
Entries 139
Data
Simu

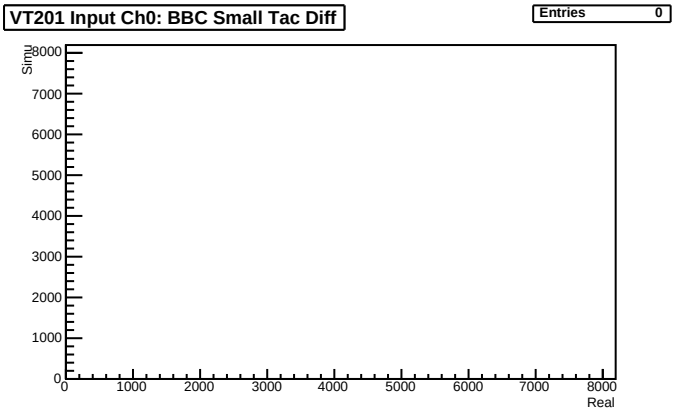

zdcWestTac
Entries 105634

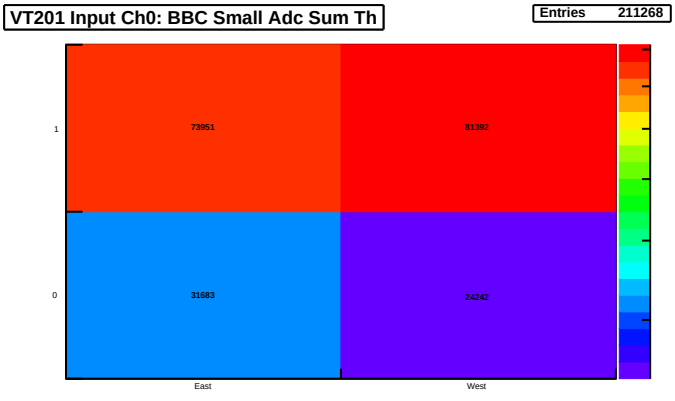

zdcWestTacVsSimu
Entries 378
Data
Simu

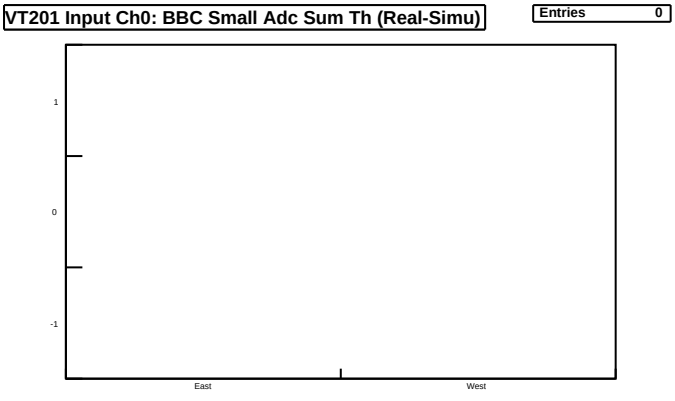

zdcAdcSum
Entries 1267608
6031
721
3
3
2
2
19521
873
10
9
6
6
99603
104913
105631
105631
105632
105632
86113
104761
105624
105625
105628
105628
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

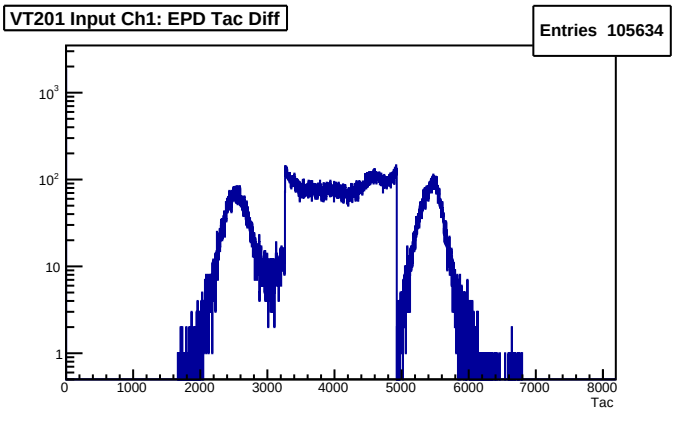

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

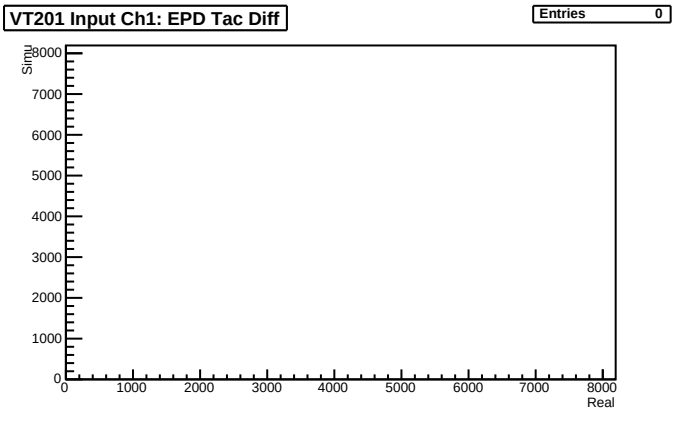

VT201 Input Ch0: BBC Small Tac Diff
Entries 105634
Tac

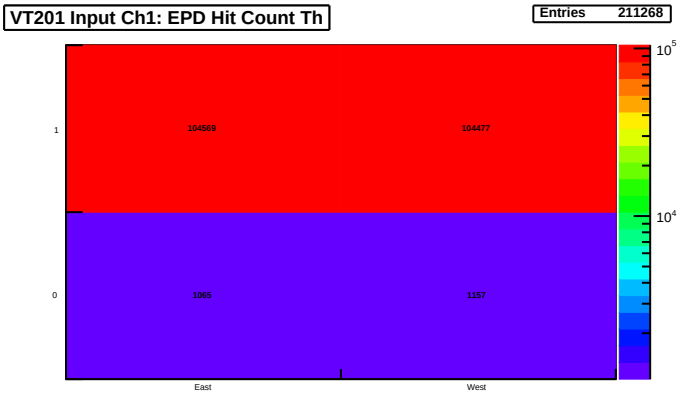

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

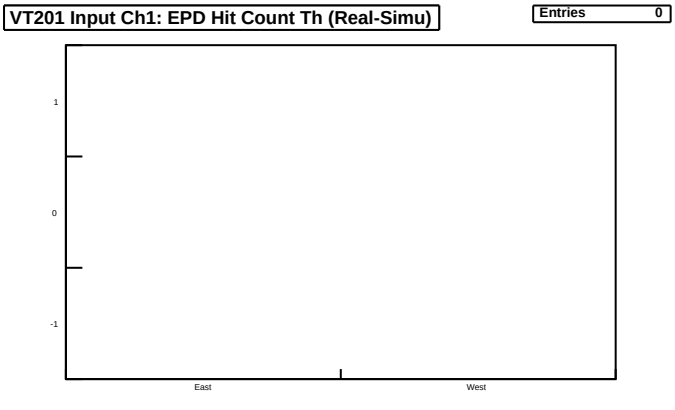

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 211268
73951
81392
31683
24242
East
West

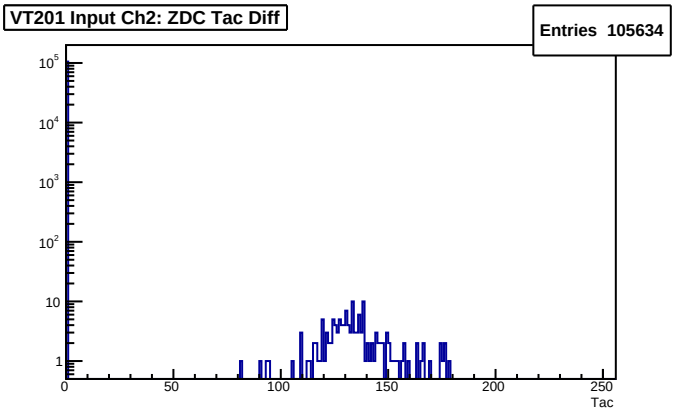

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

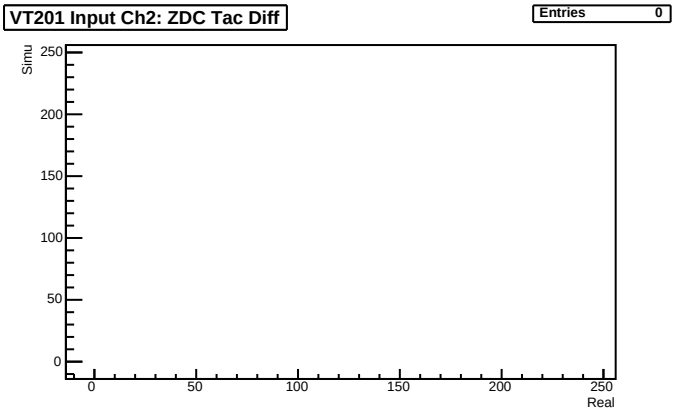

VT201 Input Ch1: EPD Tac Diff
Entries 105634
Tac

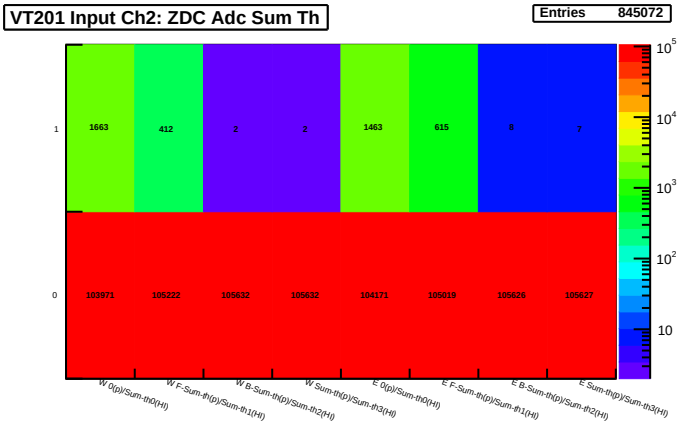

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

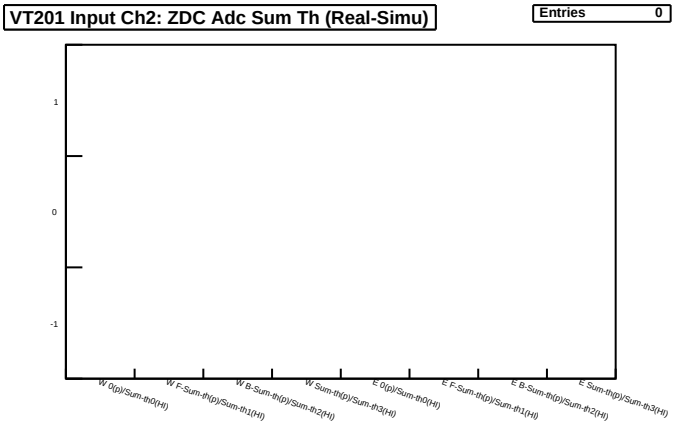

VT201 Input Ch1: EPD Hit Count Th
Entries 211268
104569
104477
1065
1157
East
West

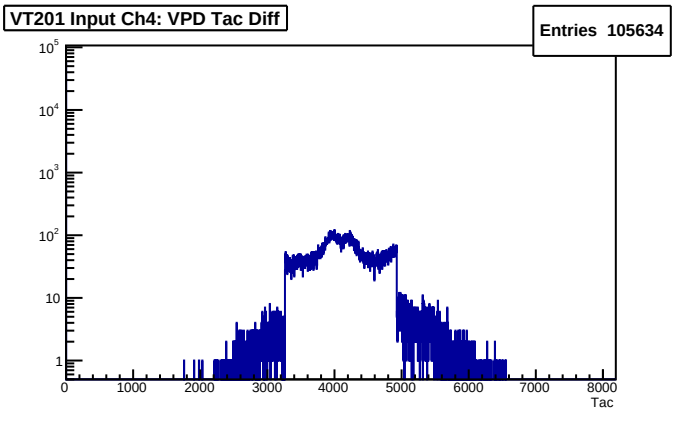

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

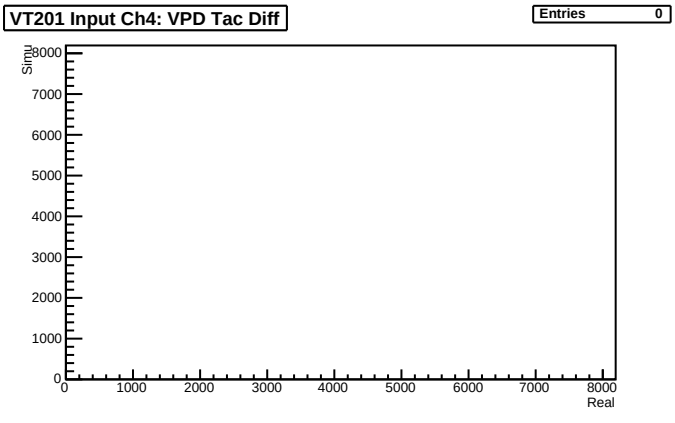

VT201 Input Ch2: ZDC Tac Diff
Entries 105634
Tac

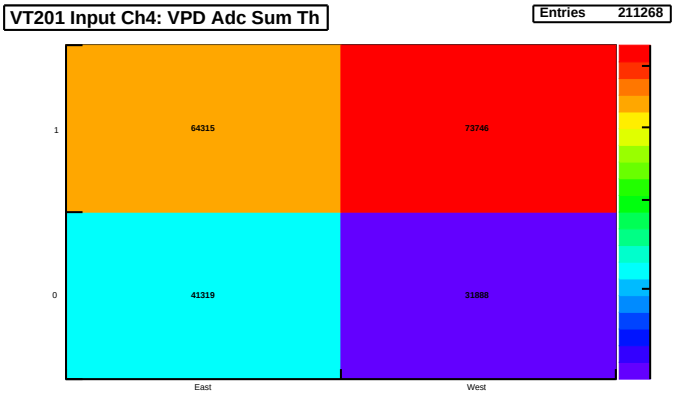

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

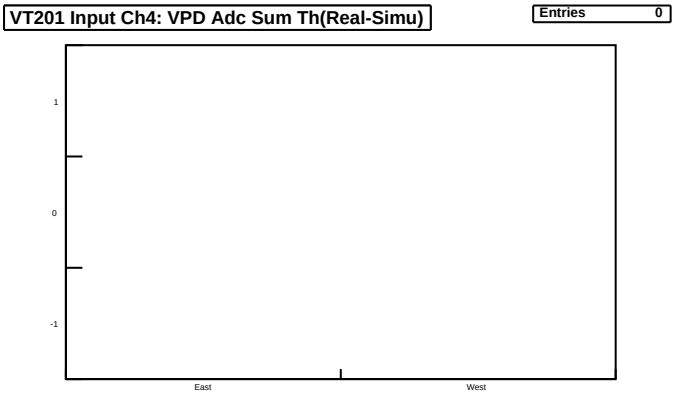

VT201 Input Ch2: ZDC Adc Sum Th
Entries 845072
1663
412
2
2
1463
615
8
7
103971
105222
105632
105632
104171
105019
105626
105627
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

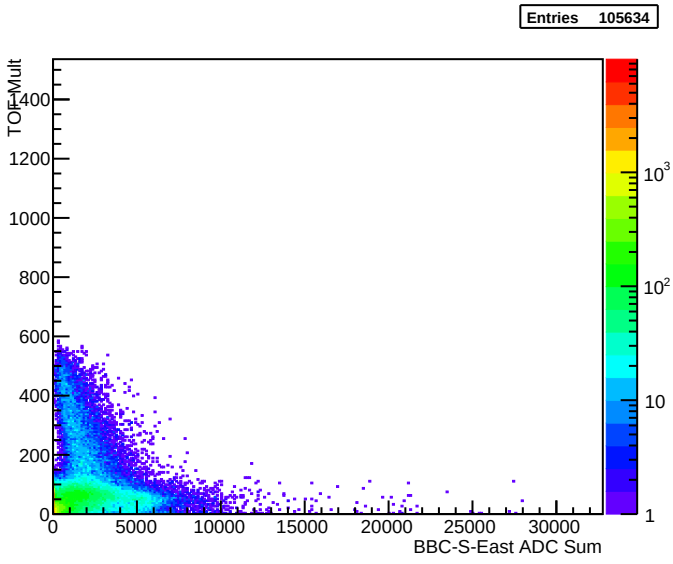

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

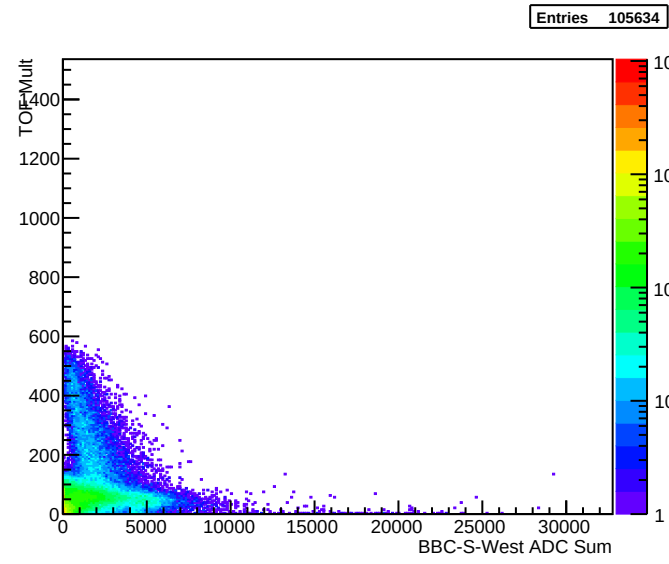

VT201 Input Ch4: VPD Tac Diff
Entries 105634
Tac

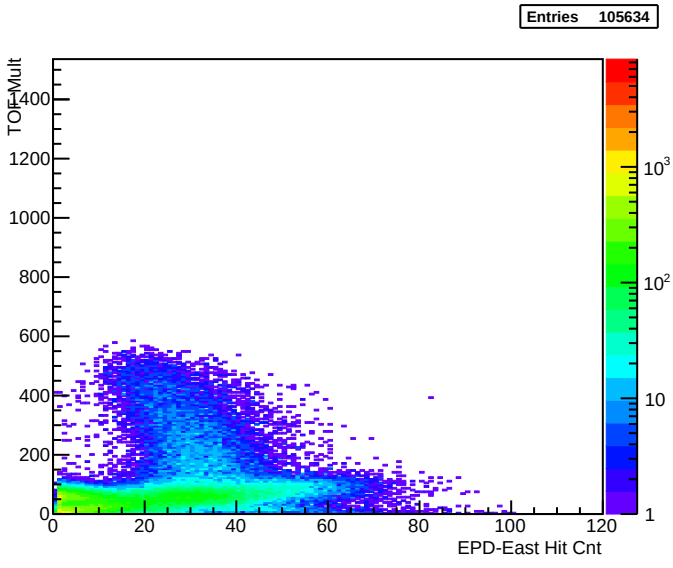

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

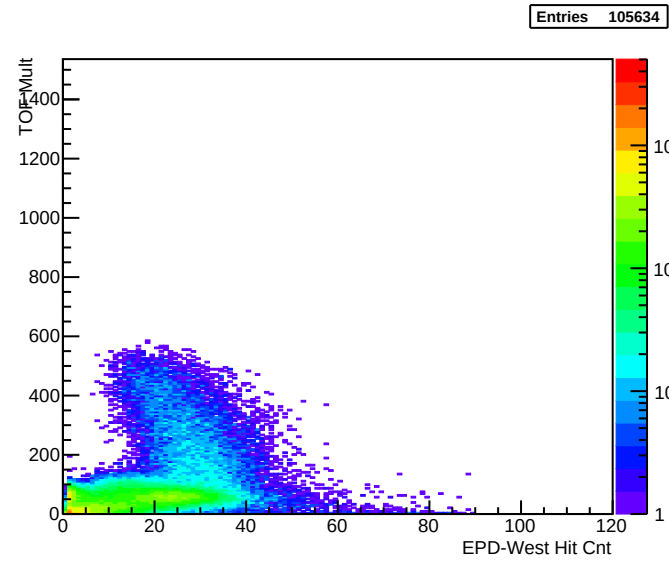

VT201 Input Ch4: VPD Adc Sum Th
Entries 211268
64315
73746
41319
31888
East
West

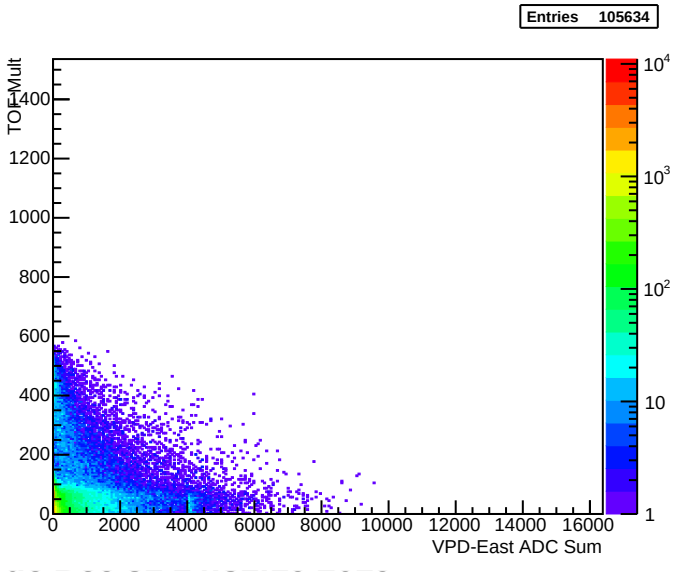

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

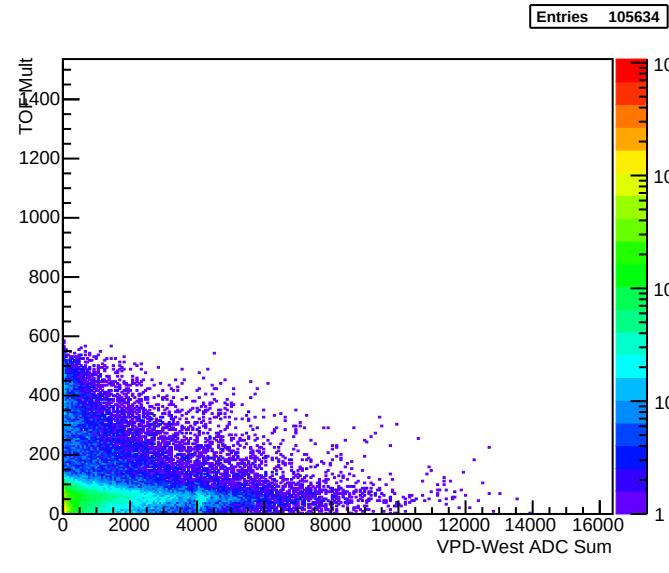

Entries 105634
TOF-Mult
BBC-S-East ADC Sum

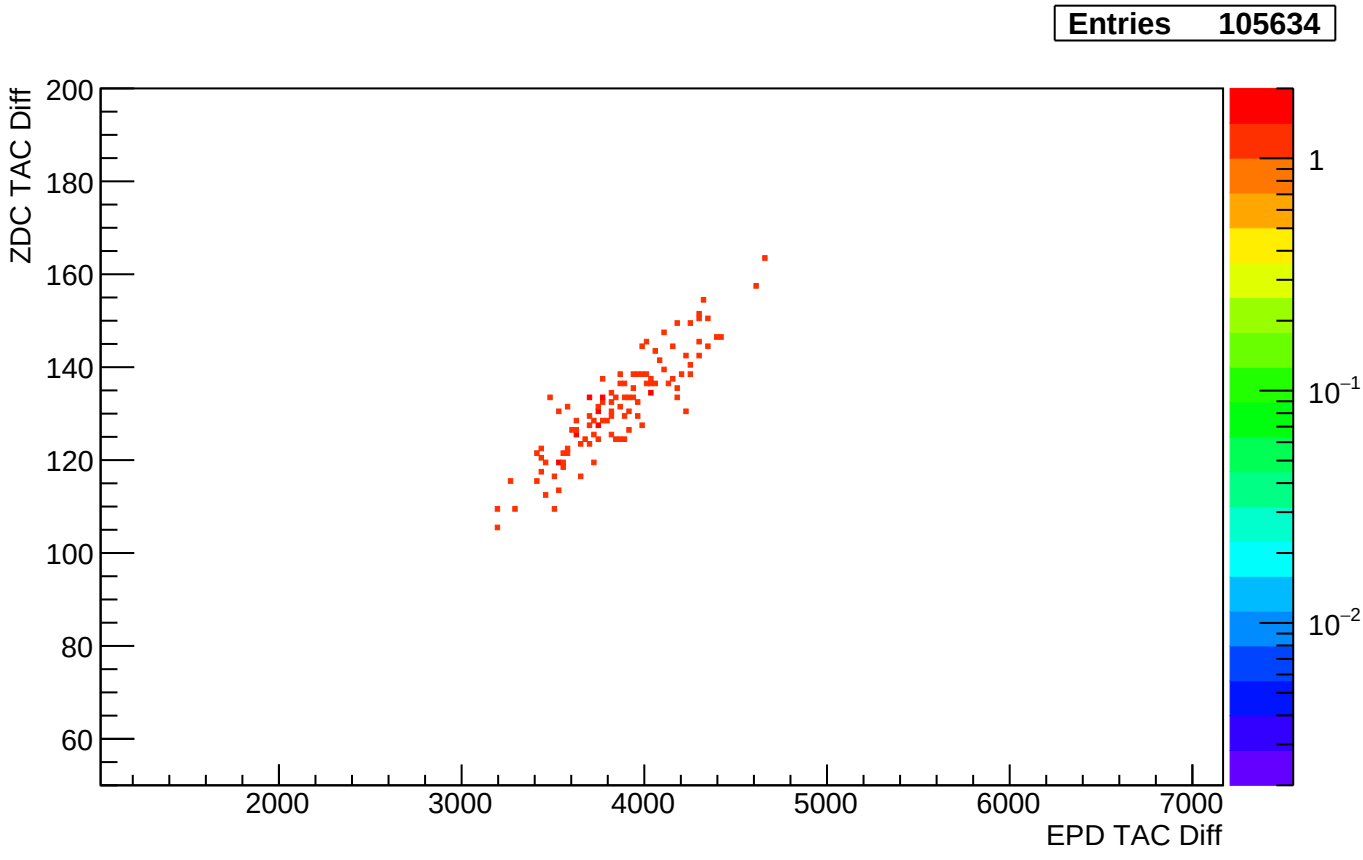

Entries 105634
TOF-Mult
BBC-S-West ADC Sum

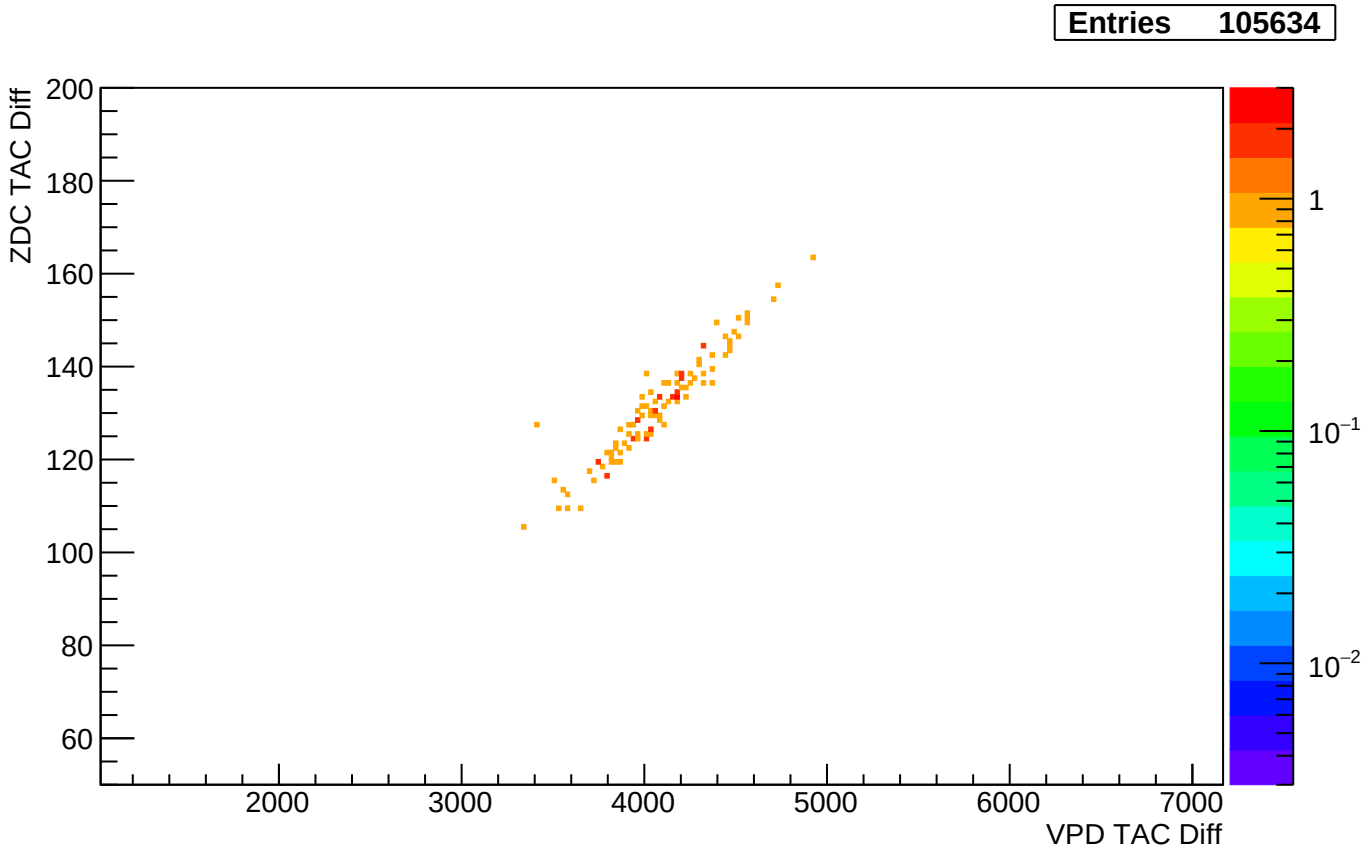

Entries 105634
TOF-Mult
EPD-East Hit Cnt

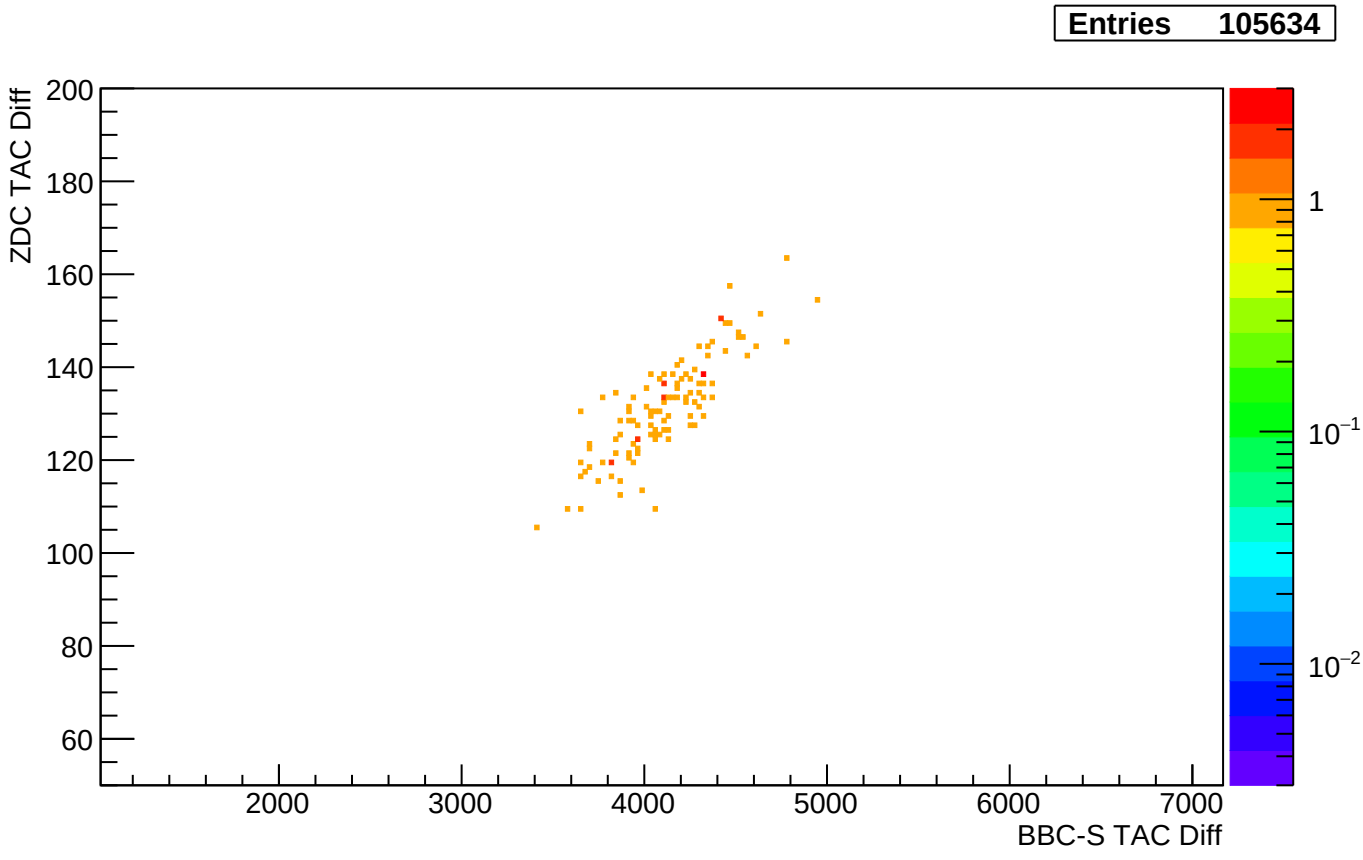

Entries 105634
TOF-Mult
EPD-West Hit Cnt

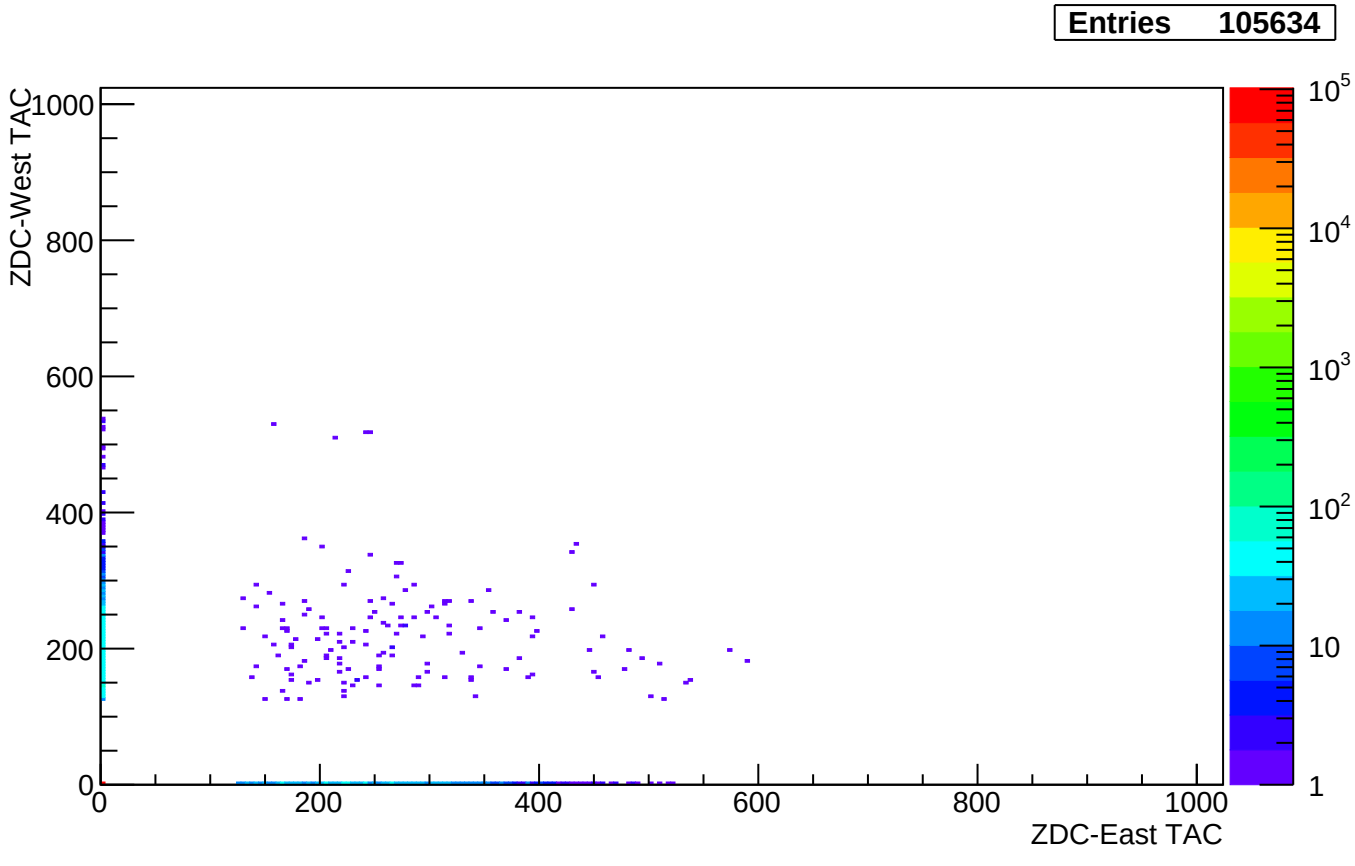

Entries 105634
TOF-Mult
VPD-East ADC Sum

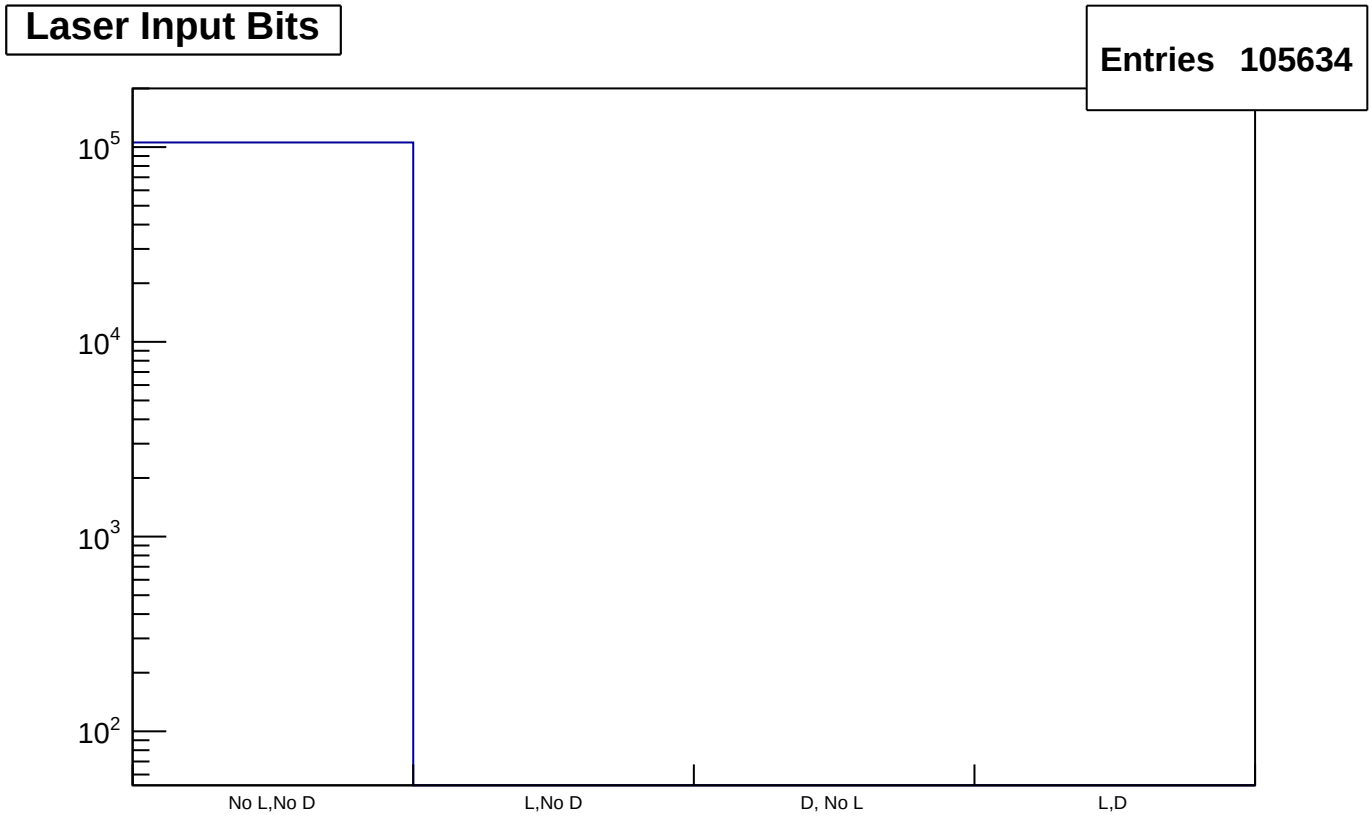

Entries 105634
TOF-Mult
VPD-West ADC Sum

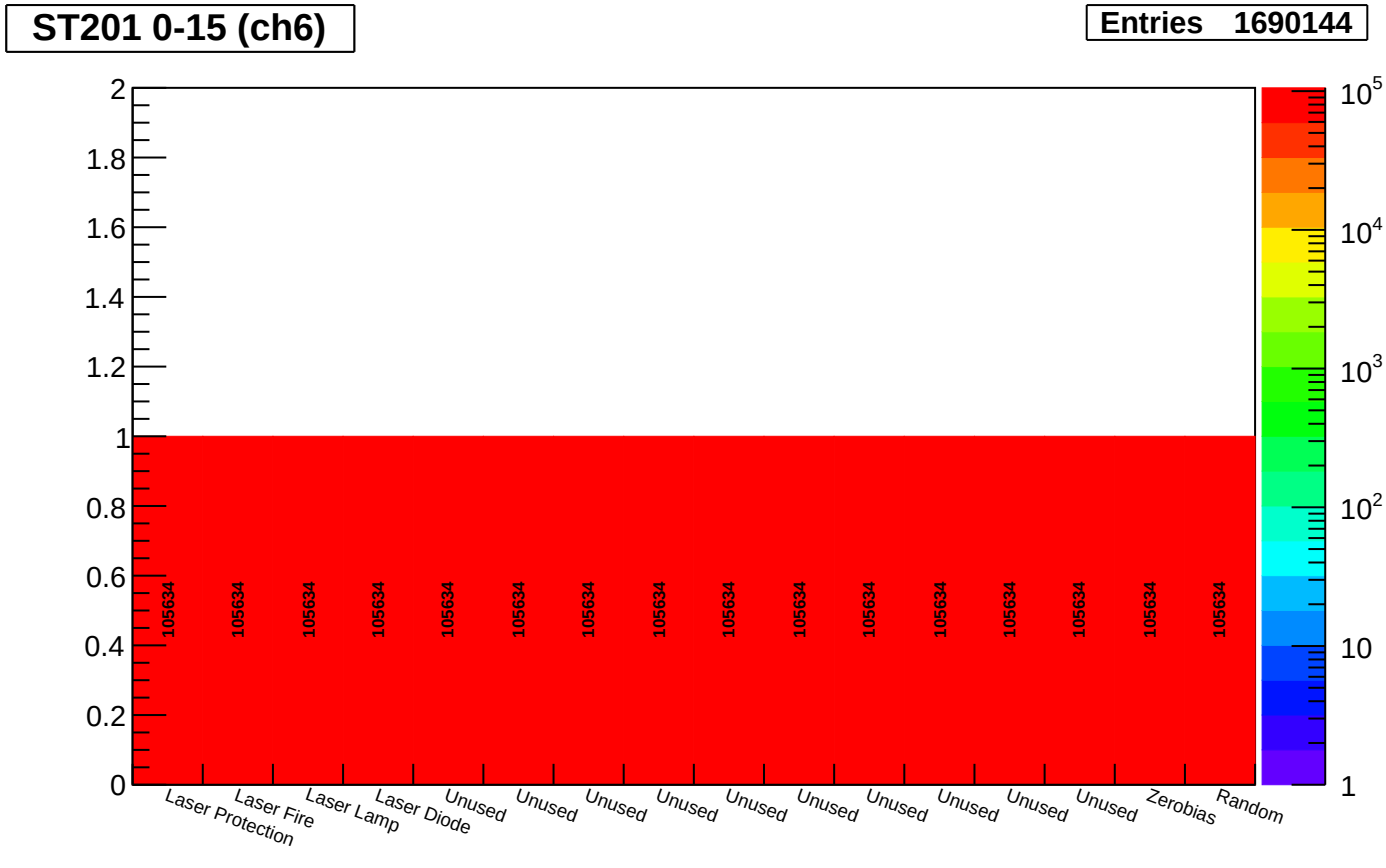

Entries 105634
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

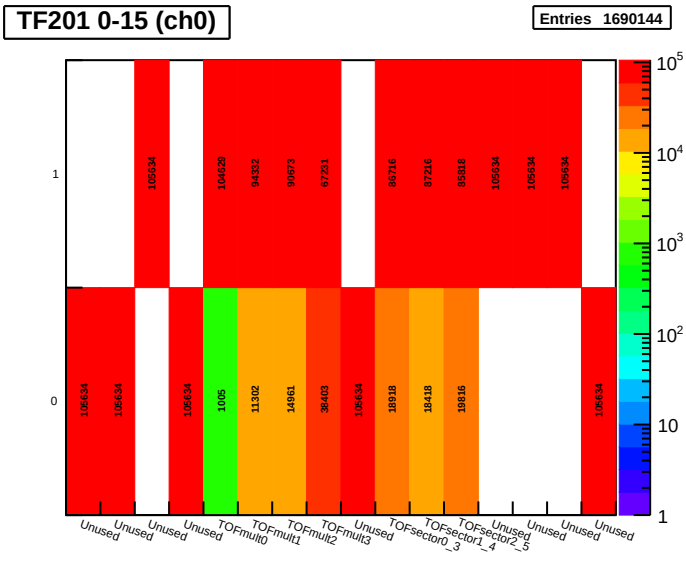

Entries 105634
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

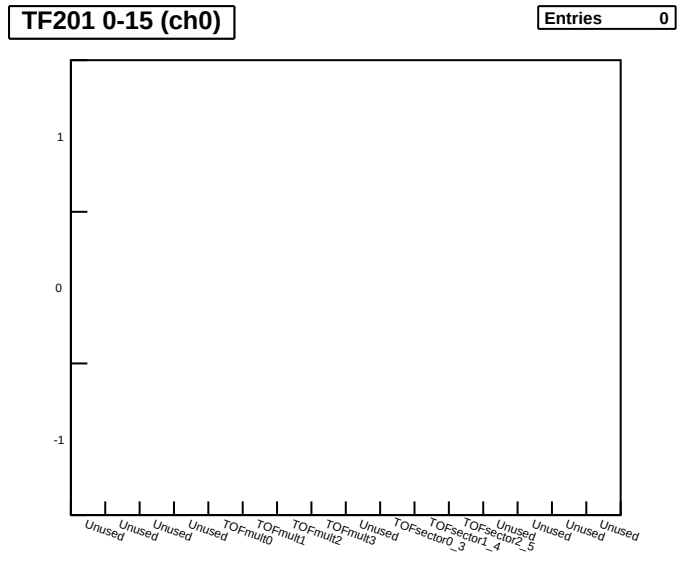

Entries 105634
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

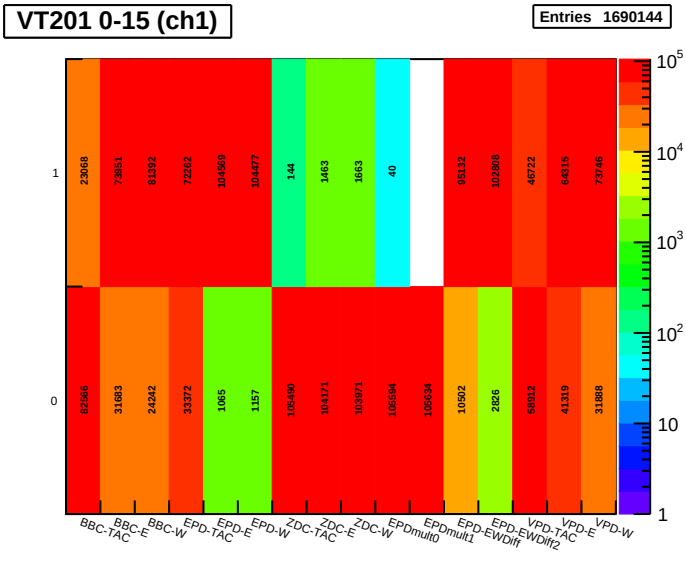

Entries 105634
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

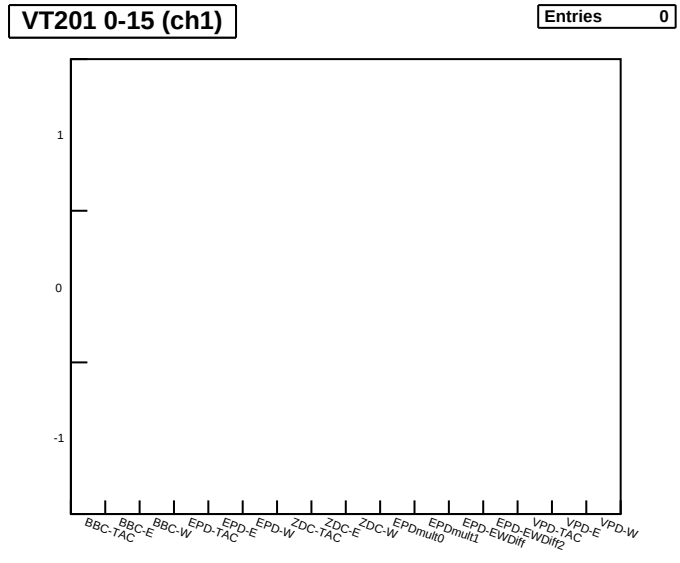

Laser Input Bits
Entries 105634
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

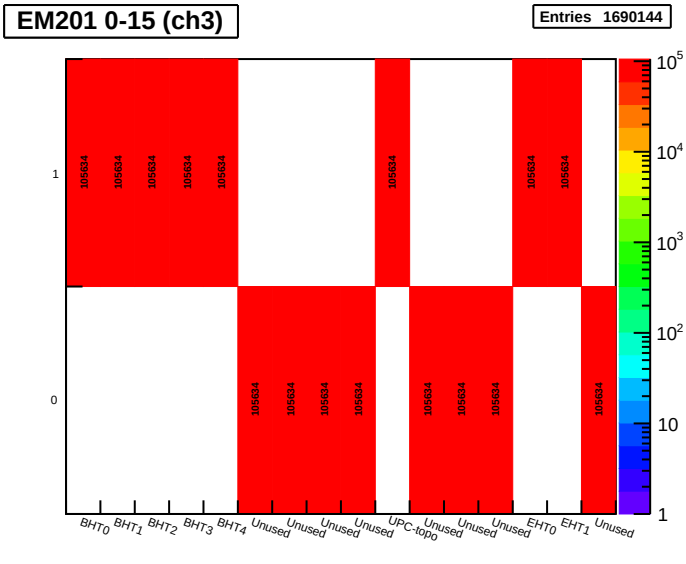

ST201 0-15 (ch6)
Entries 1690144
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
105634
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

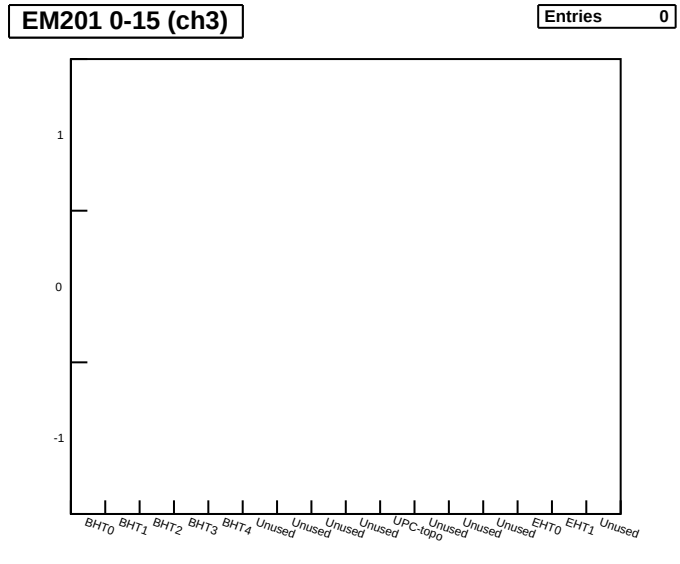

TF201 0-15 (ch0)
Entries 1690144
1
0
105634 94332 90673 67231 86716 87216 85818 105634 105634 105634
105634 105634 105634 1005 11302 14961 38403 105634 18918 18418 19816 105634
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused 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 1690144
1
0
23068 73951 81392 72262 104569 104477 144 1463 1663 40 95132 102808 46722 64315 73746
82566 31683 24242 33372 1065 1157 106490 104171 103971 106594 105634 10502 2826 58912 41319 31888
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 1690144
1
0
105634 105634 105634 105634 105634 105634 105634 105634 105634
105634 105634 105634 105634 105634 105634 105634 105634
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