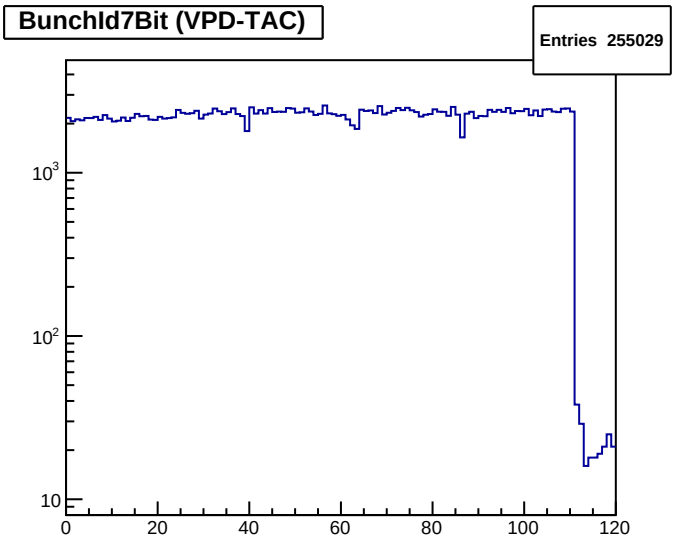
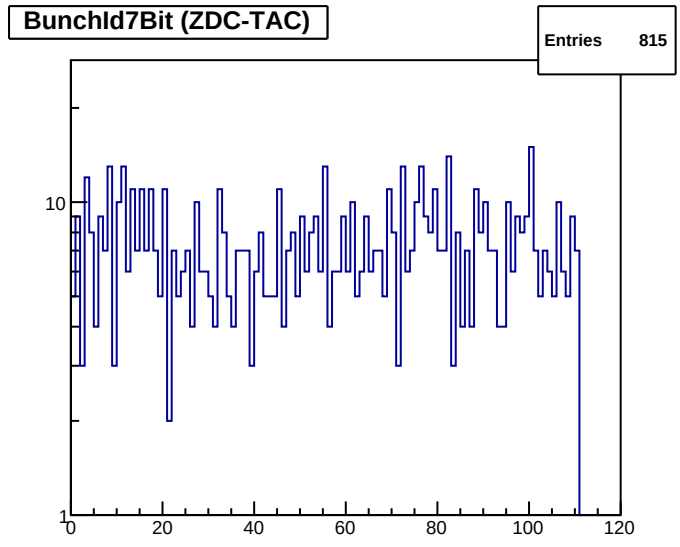
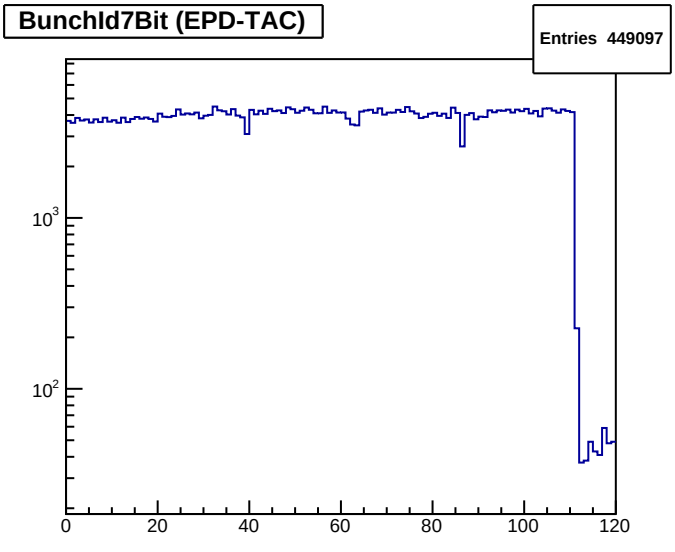
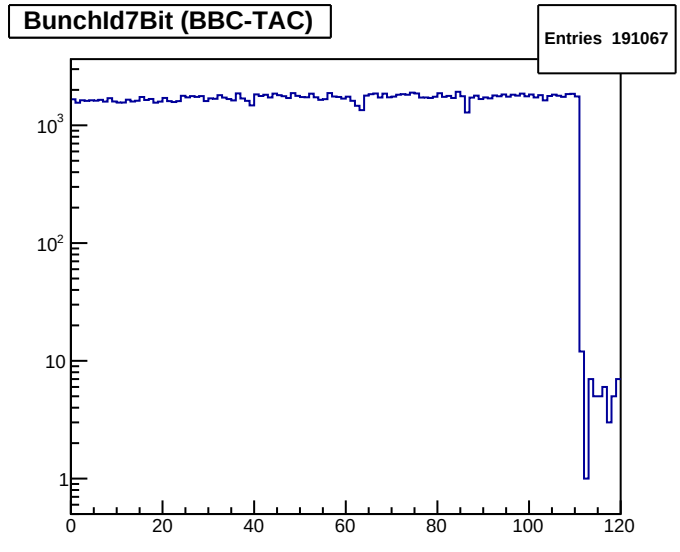
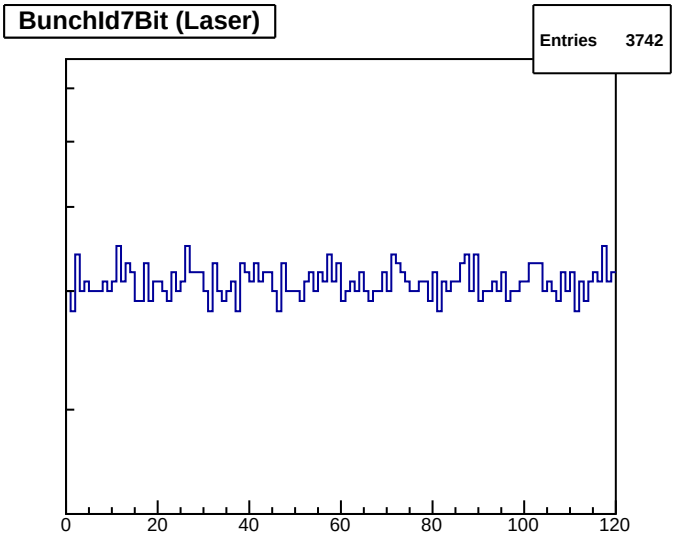
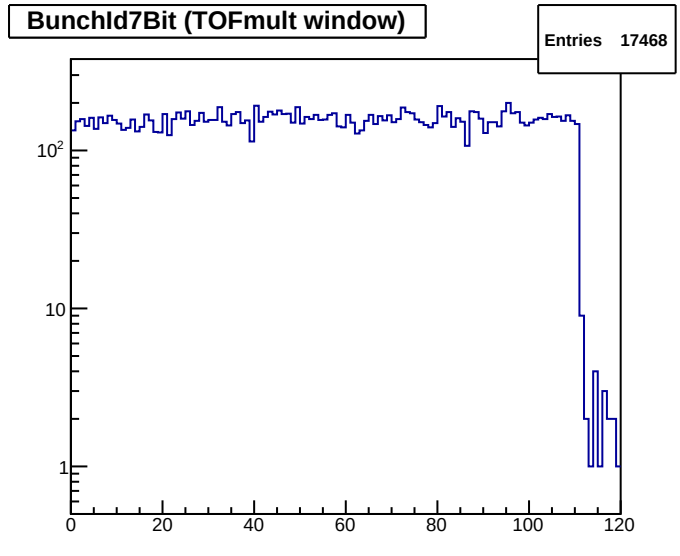

BunchId7Bit (VPD-TAC)
Entries 255029
10^3
10^2
10
0
20
40
60
80
100
120

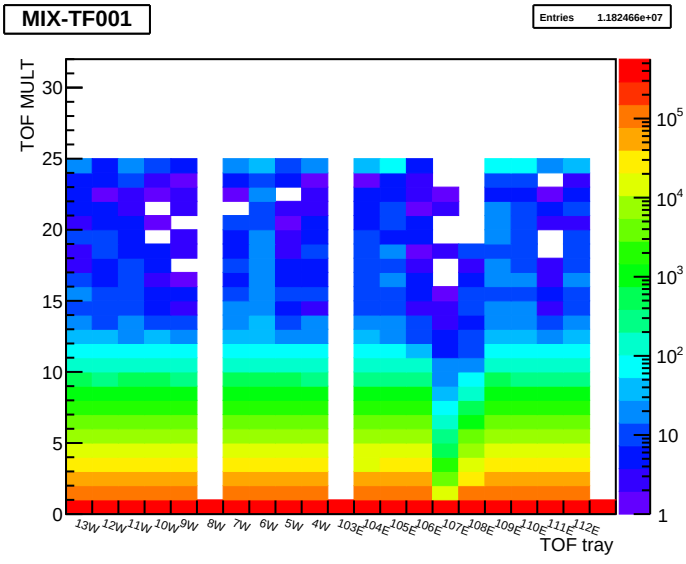

BunchId7Bit (ZDC-TAC)
Entries 815
10
1
0
20
40
60
80
100
120

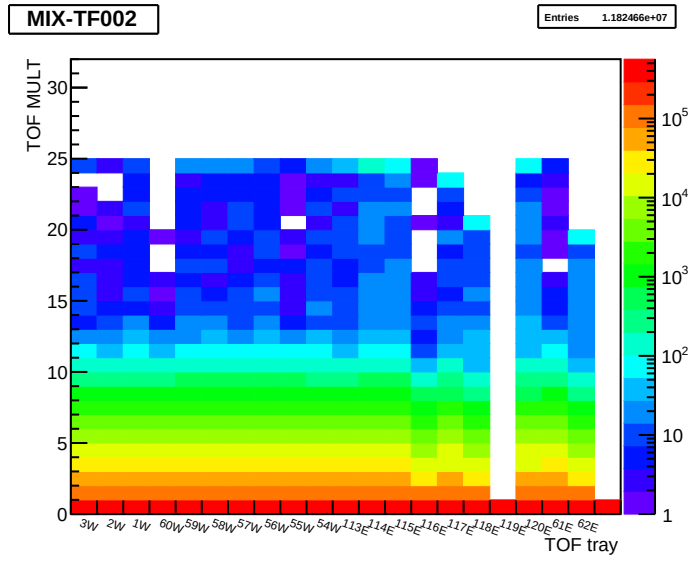

BunchId7Bit (EPD-TAC)
Entries 449097
10^3
10^2
0
20
40
60
80
100
120

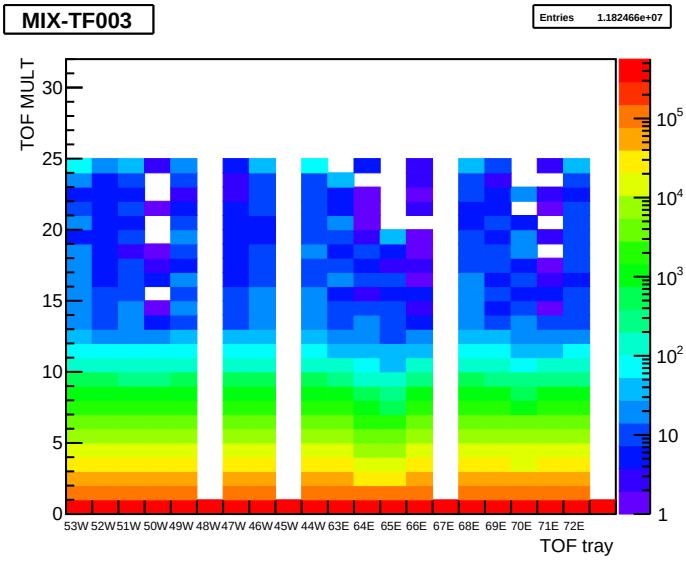

BunchId7Bit (BBC-TAC)
Entries 191067
10^3
10^2
10
1
0
20
40
60
80
100
120

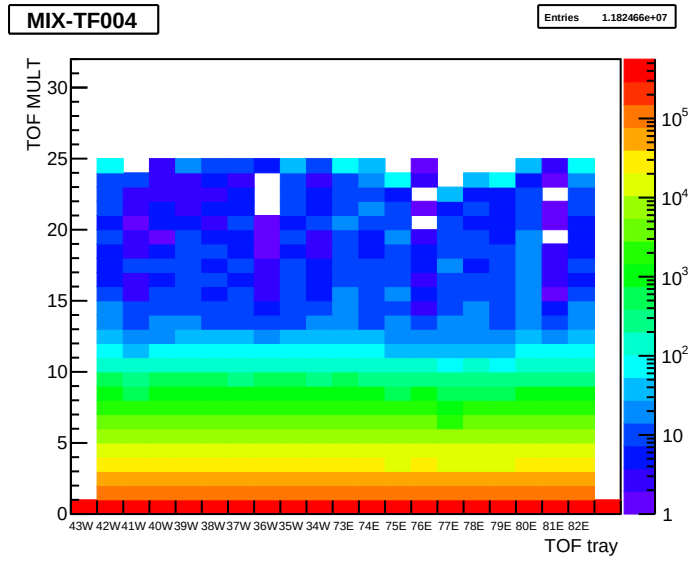

BunchId7Bit (Laser)
Entries 3742
0
20
40
60
80
100
120

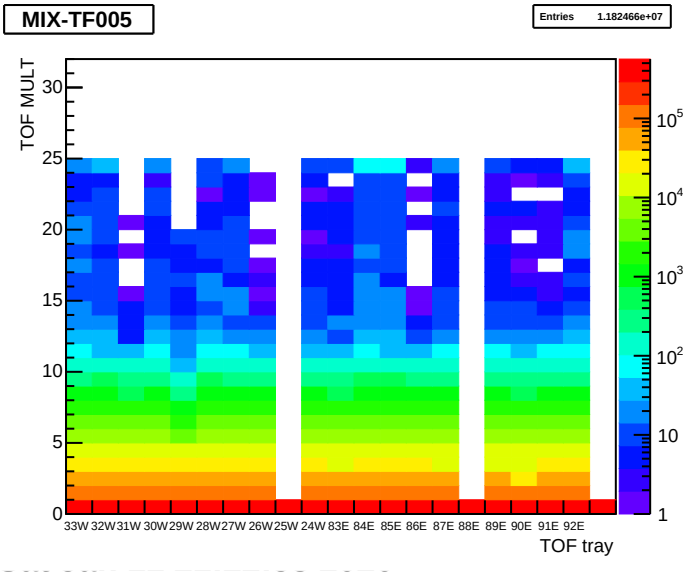

BunchId7Bit (TOFmult window)
Entries 17468
10^2
10
1
0
20
40
60
80
100
120

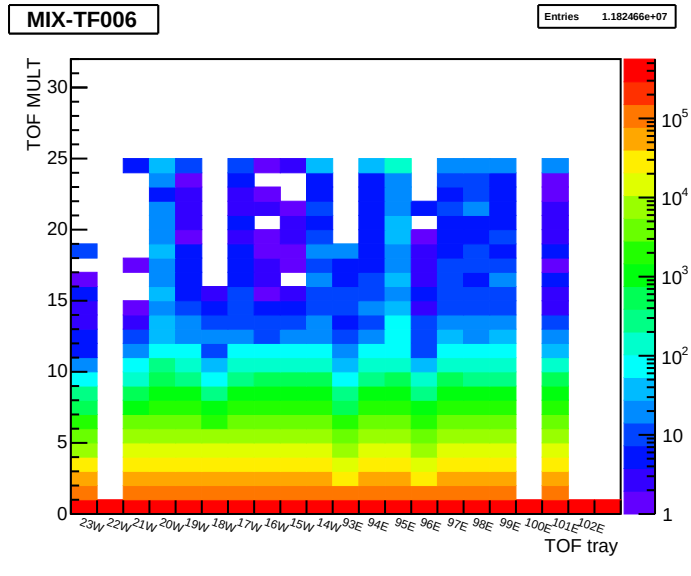

MIX-TF001
Entries 1.182466e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

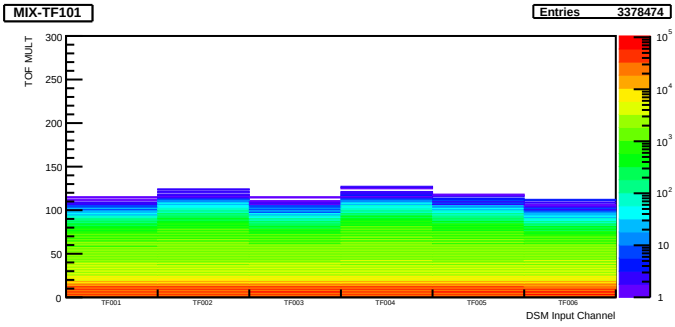

MIX-TF002
Entries 1.182466e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

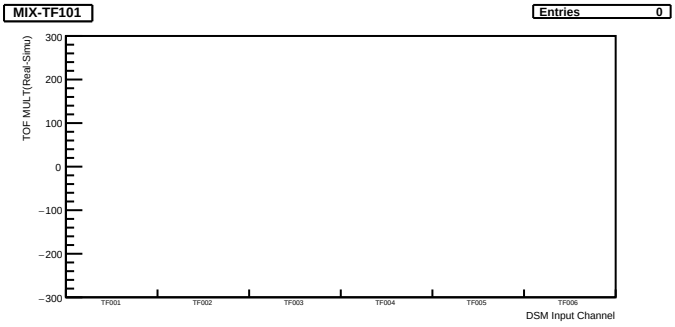

MIX-TF003
Entries 1.182466e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

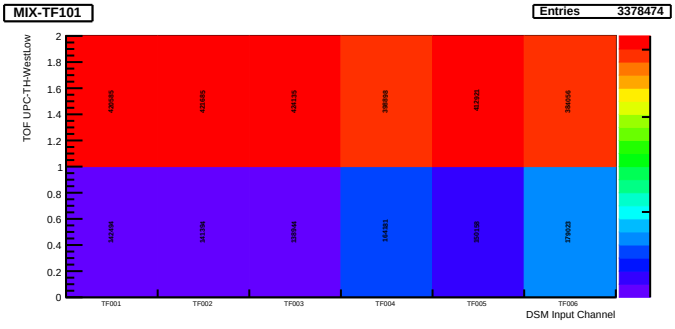

MIX-TF004
Entries 1.182466e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

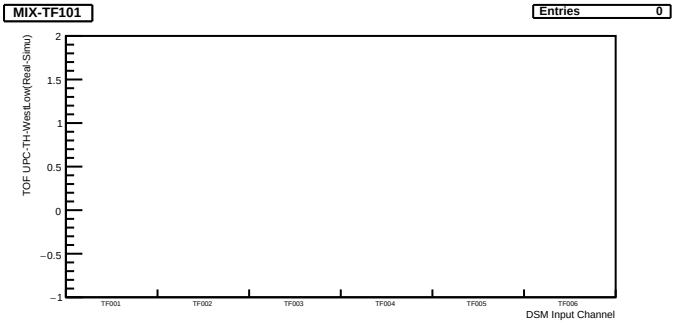

MIX-TF005
Entries 1.182466e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

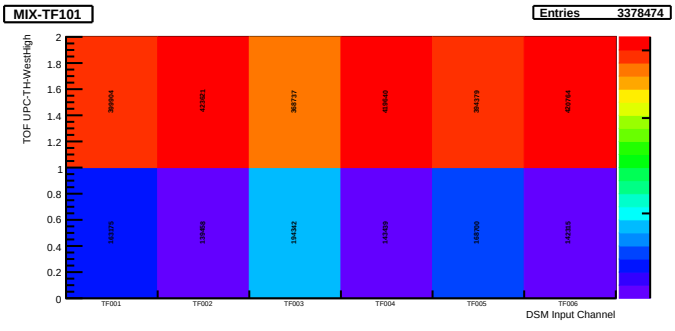

MIX-TF006
Entries 1.182466e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

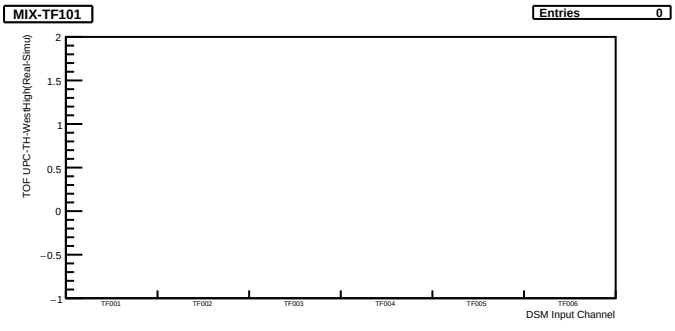

MIX-TF101
Entries 3378474
TOF MULT
DSM Input Channel

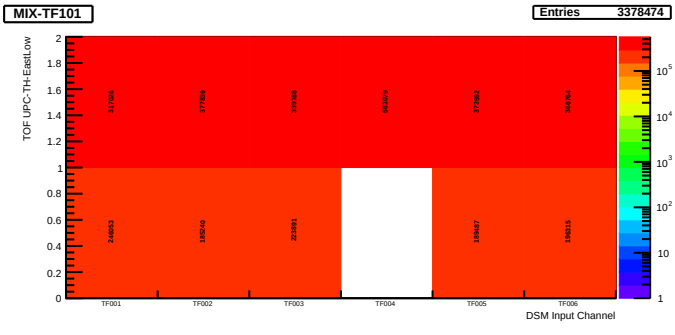

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel

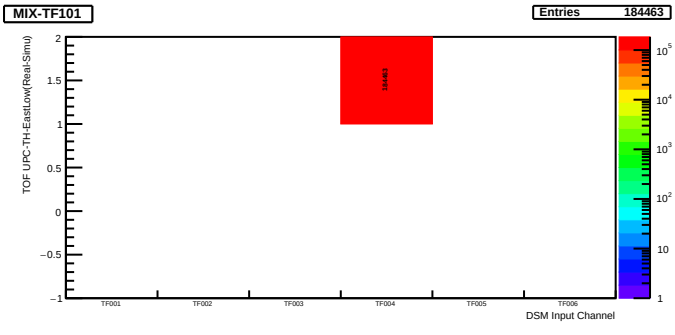

MIX-TF101
Entries 3378474
TOF UPC-TH-WestLow
DSM Input Channel

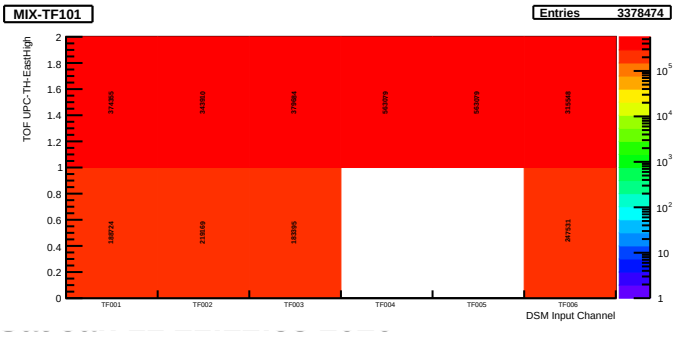

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel

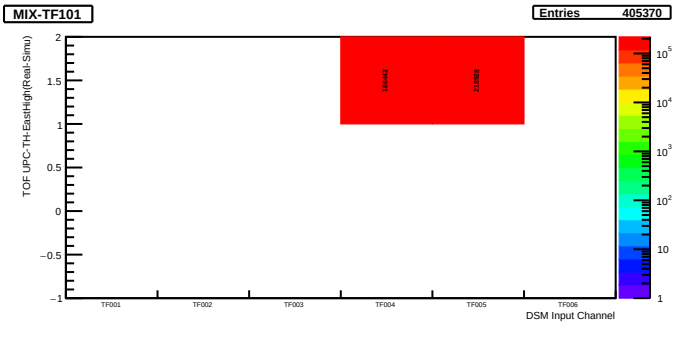

MIX-TF101
Entries 3378474
TOF UPC-TH-WestHigh
DSM Input Channel

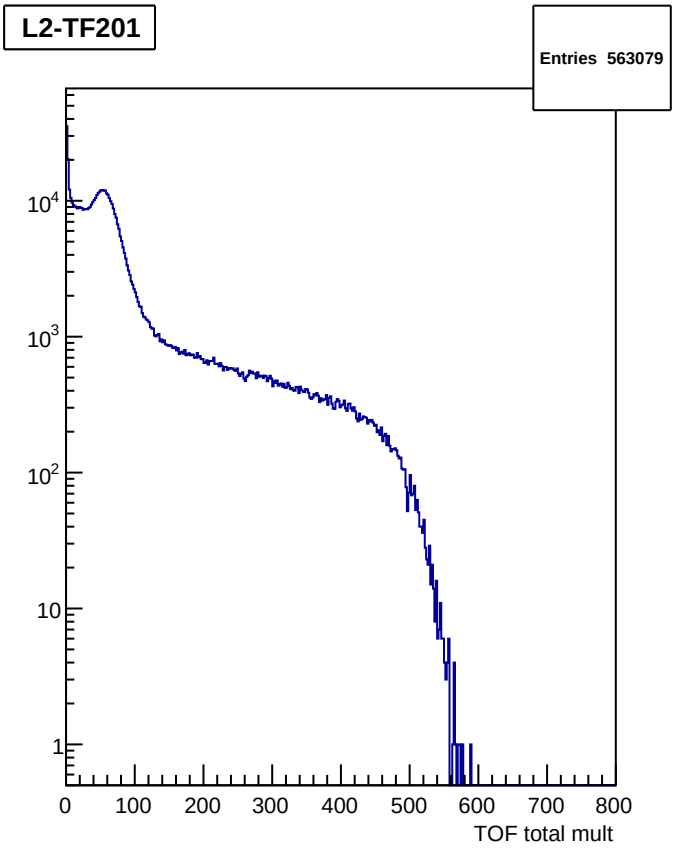

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel

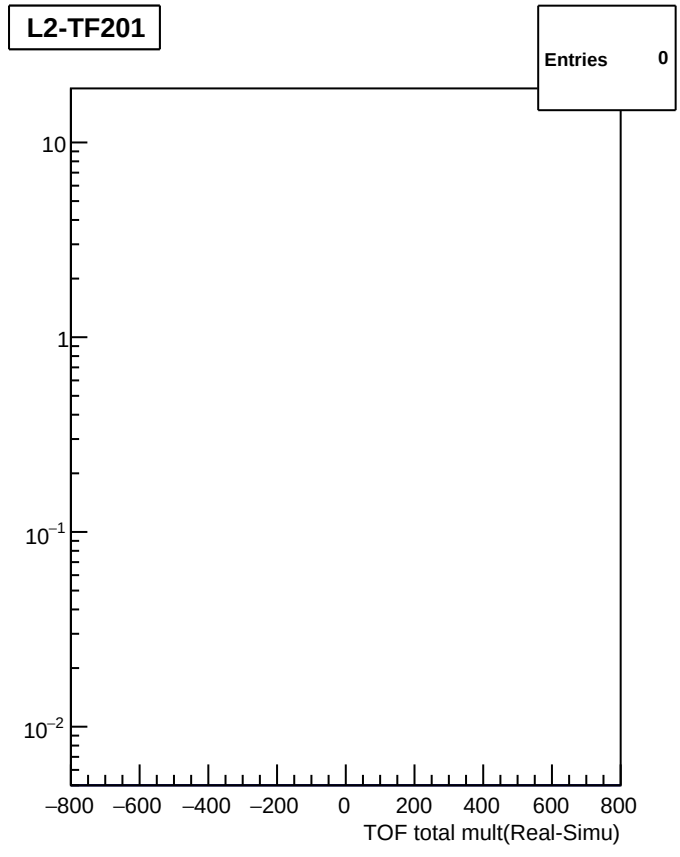

MIX-TF101
Entries 3378474
TOF UPC-TH-EastLow
DSM Input Channel

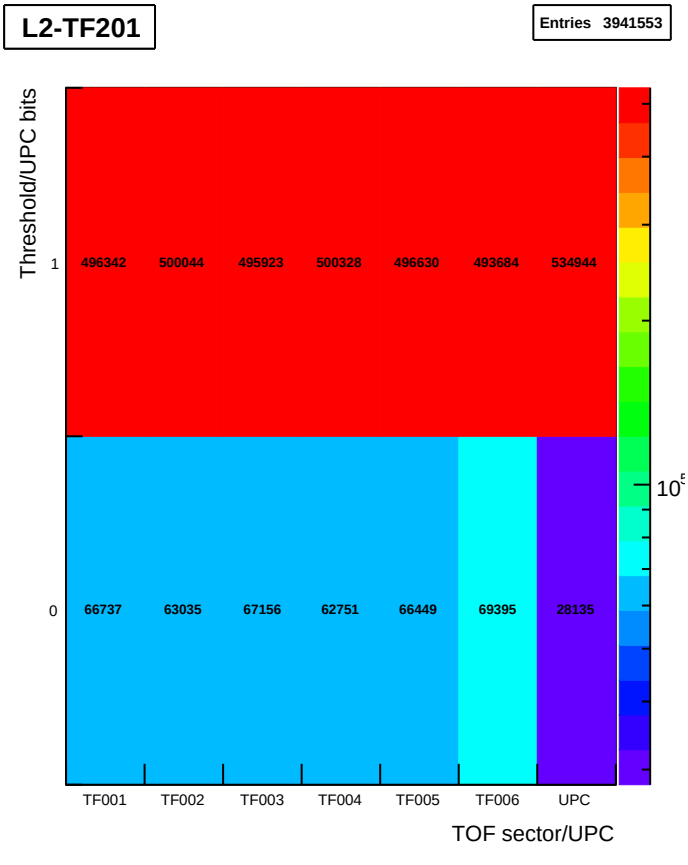

MIX-TF101
Entries 184463
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel

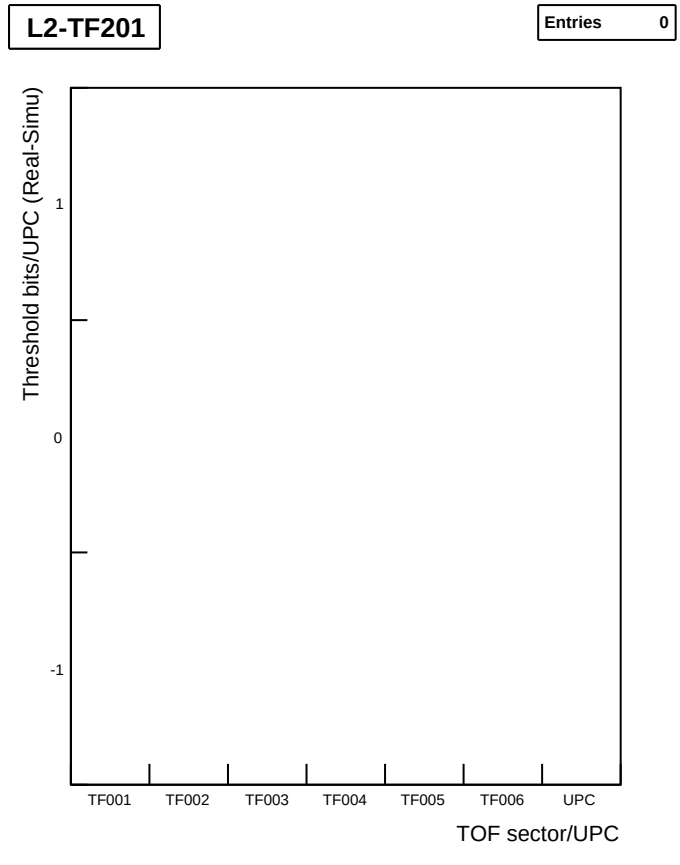

MIX-TF101
Entries 3378474
TOF UPC-TH-EastHigh
DSM Input Channel

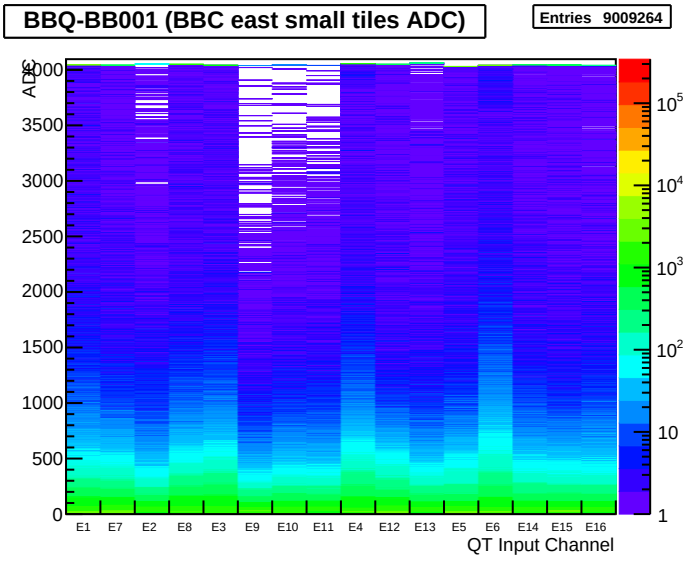

MIX-TF101
Entries 405370
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel

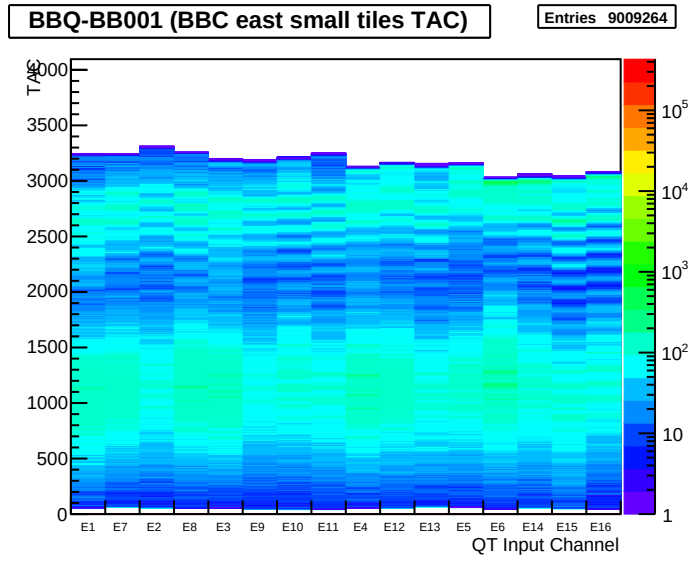

L2-TF201
Entries 563079
TOF total mult

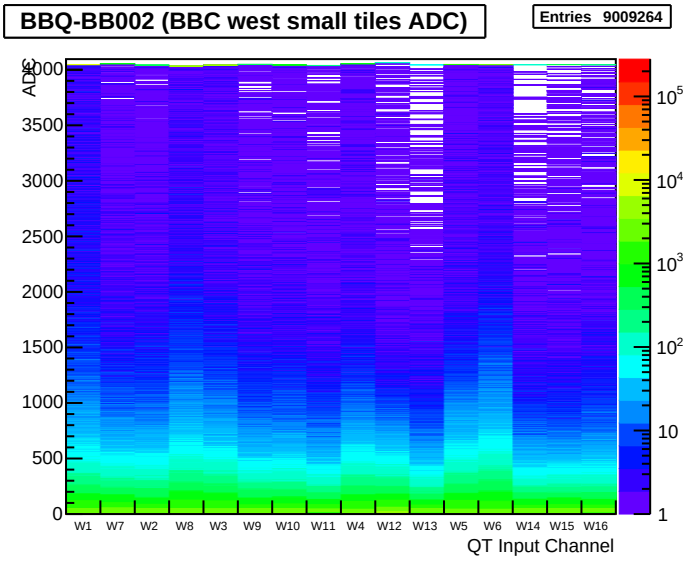

L2-TF201
Entries 0
TOF total mult(Real-Simu)

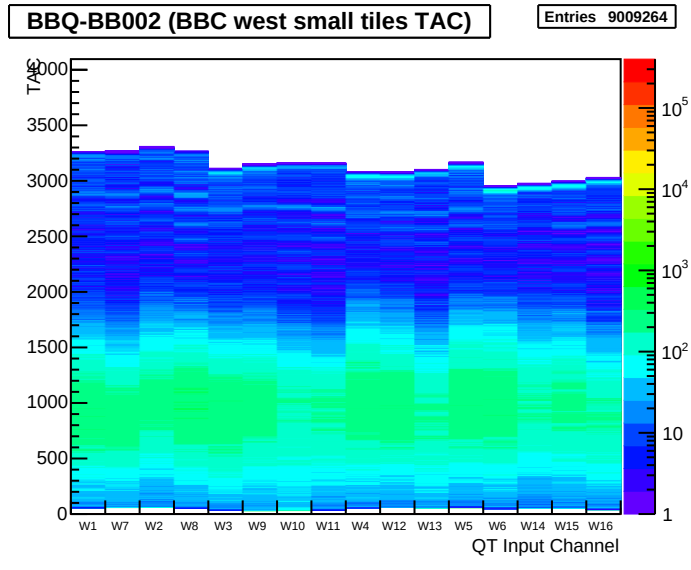

L2-TF201
Entries 3941553
Threshold/UPC bits
496342
500044
495923
500328
496630
493684
534944
66737
63035
67156
62751
66449
69395
28135
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

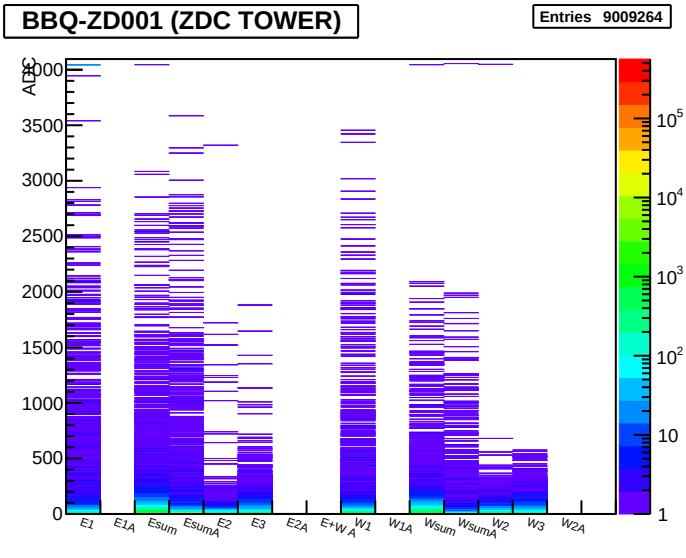

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

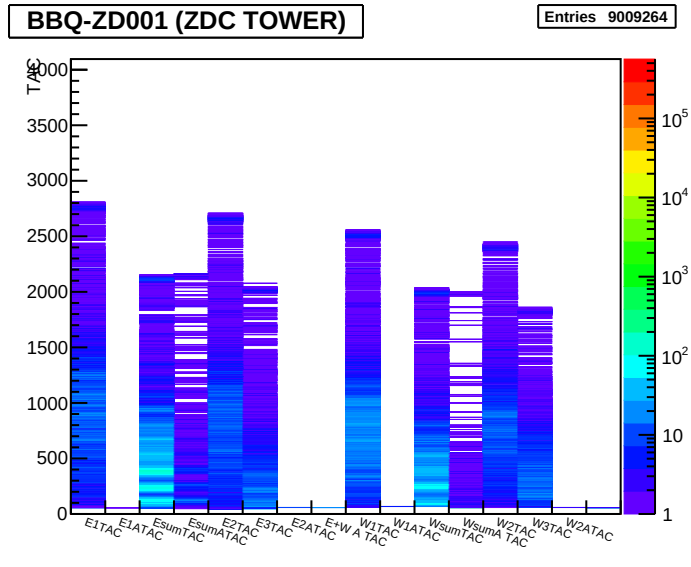

BBQ-BB001 (BBC east small tiles ADC)
Entries 9009264
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

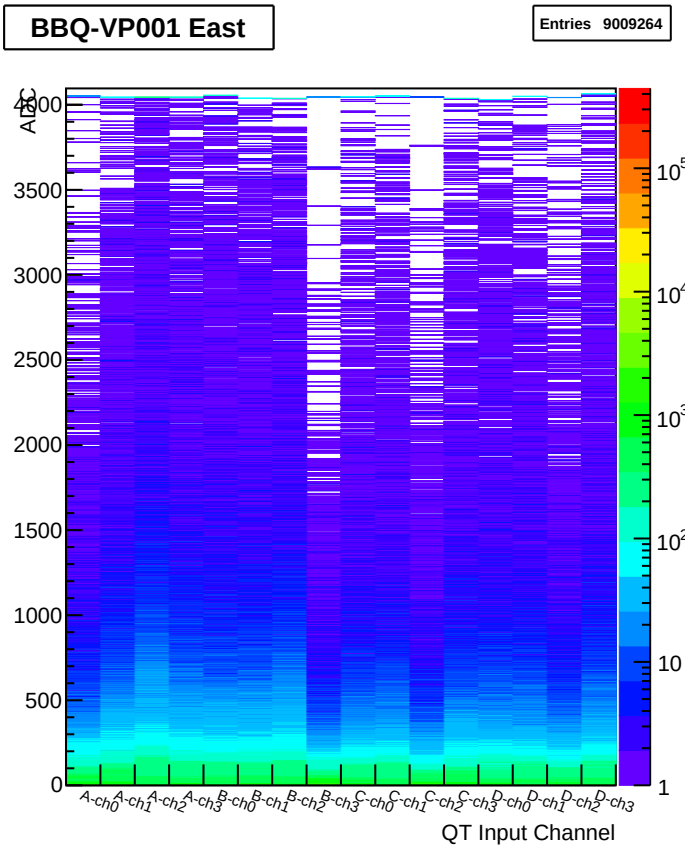

BBQ-BB001 (BBC east small tiles TAC)
Entries 9009264
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

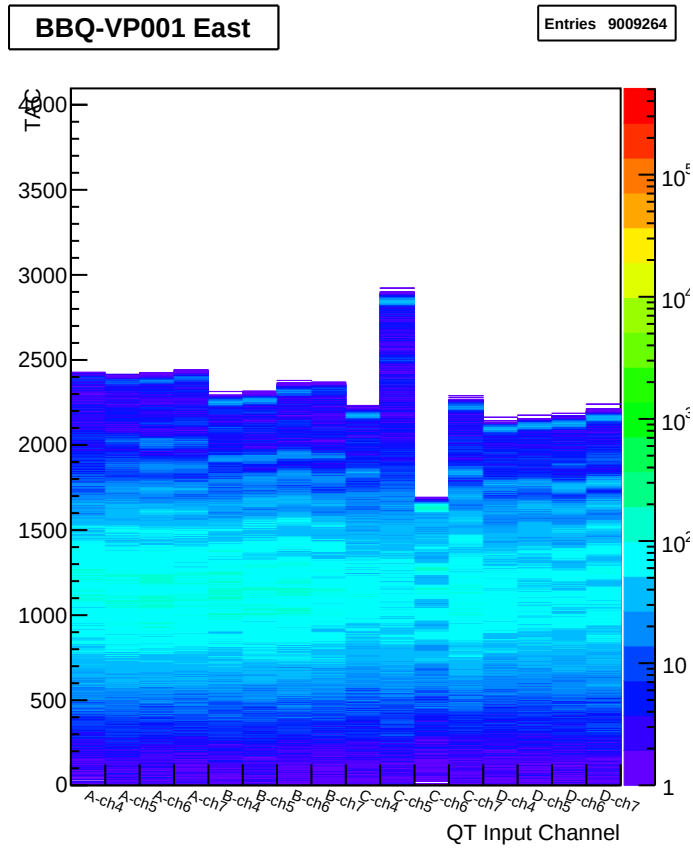

BBQ-BB002 (BBC west small tiles ADC)
Entries 9009264
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

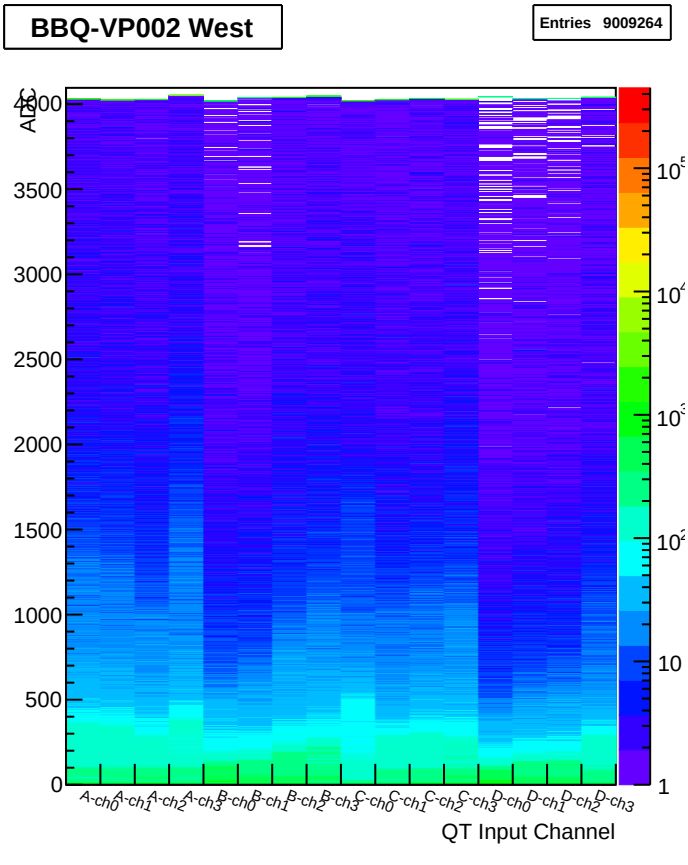

BBQ-BB002 (BBC west small tiles TAC)
Entries 9009264
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

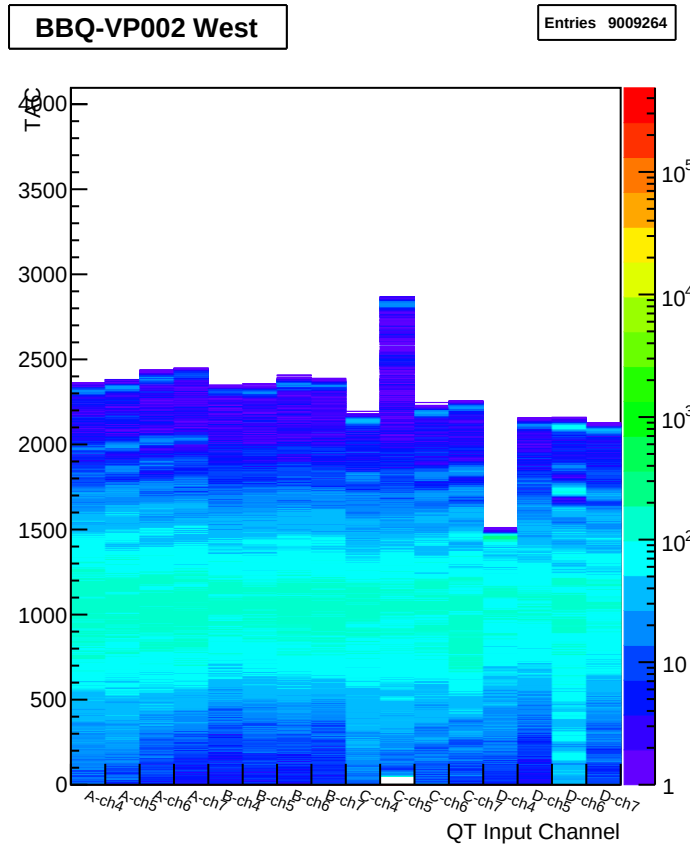

BBQ-ZD001 (ZDC TOWER)
Entries 9009264
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

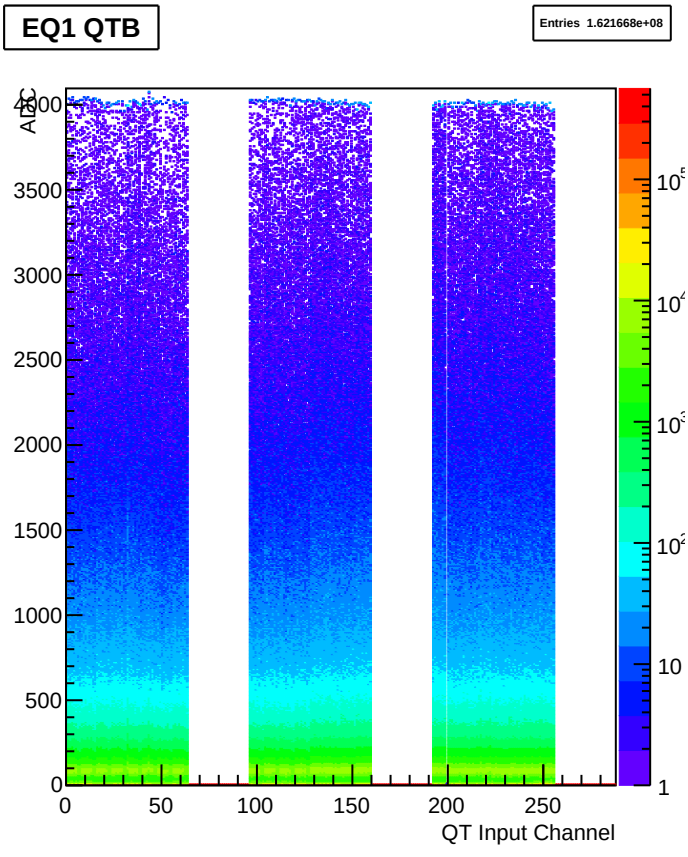

BBQ-ZD001 (ZDC TOWER)
Entries 9009264
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

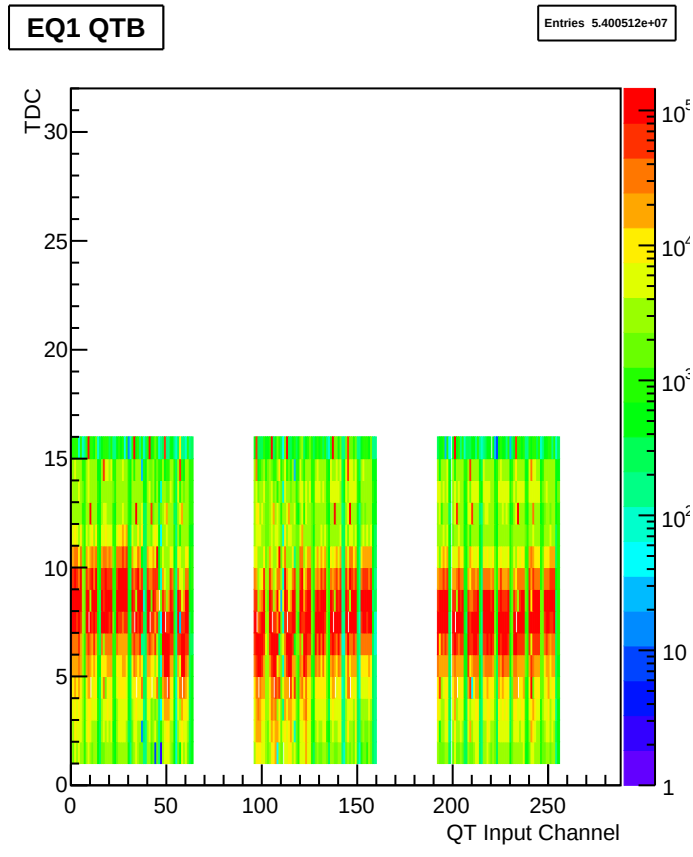

BBQ-VP001 East
Entries 9009264
ADC
QT Input Channel

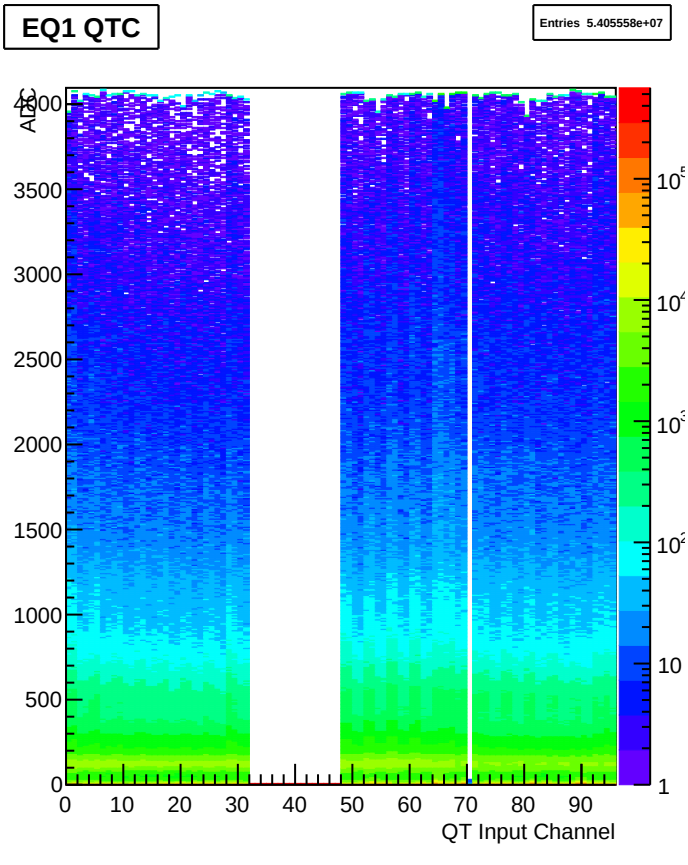

BBQ-VP001 East
Entries 9009264
TADC
QT Input Channel

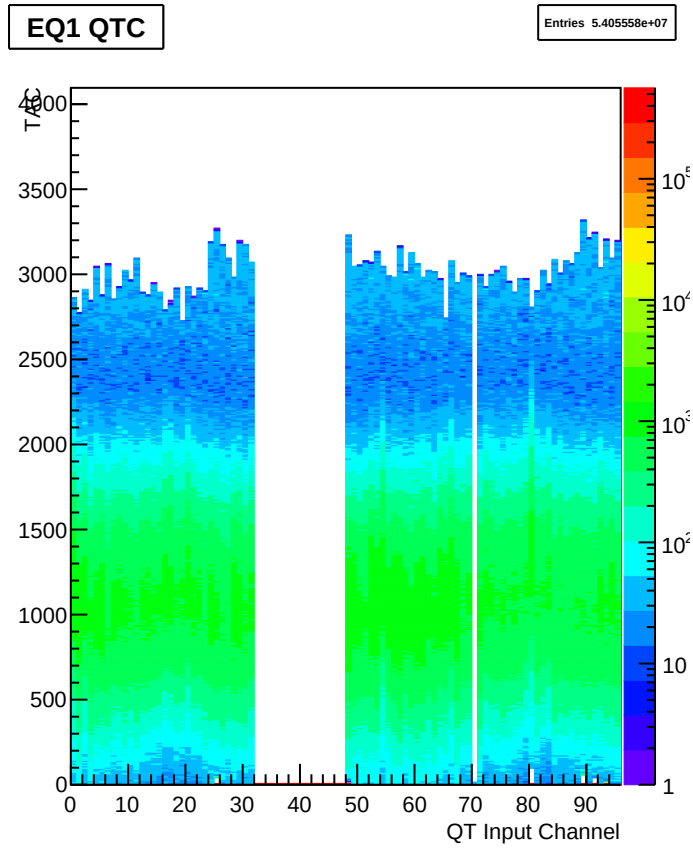

BBQ-VP002 West
Entries 9009264
ADC
QT Input Channel

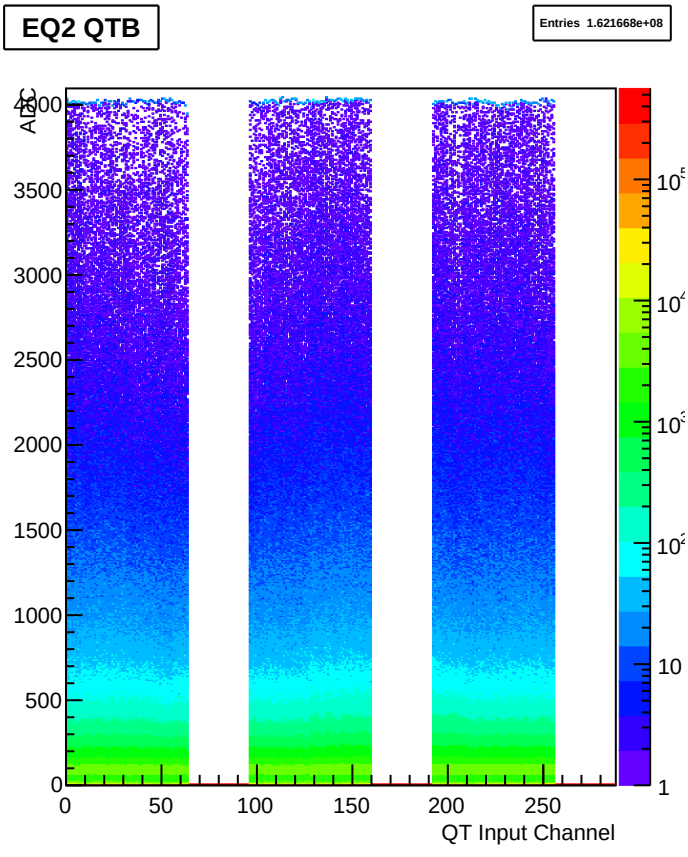

BBQ-VP002 West
Entries 9009264
TADC
QT Input Channel

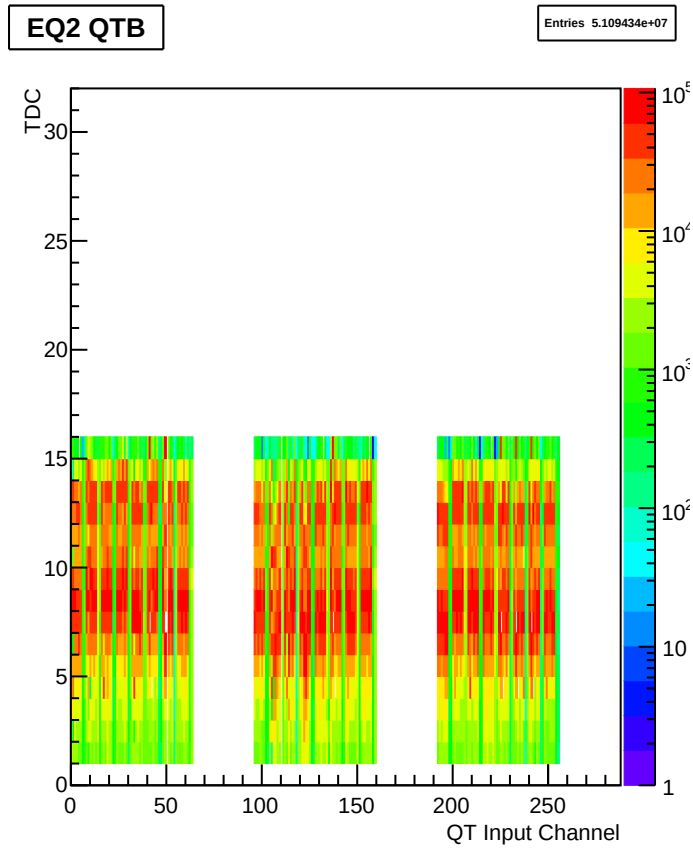

EQ1 QTB
Entries 1.621668e+08
ADC
QT Input Channel

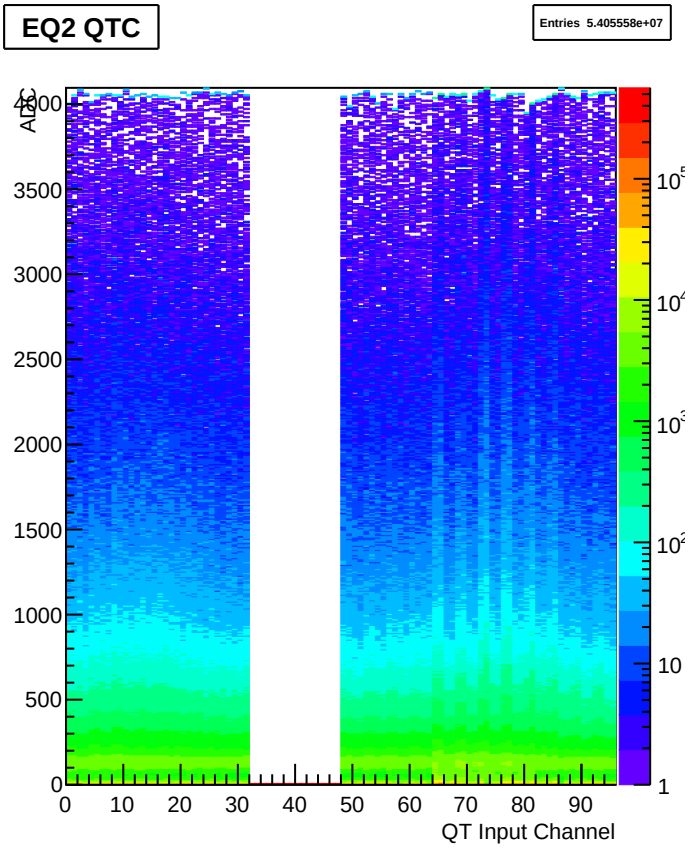

EQ1 QTB
Entries 5.400512e+07
TDC
QT Input Channel

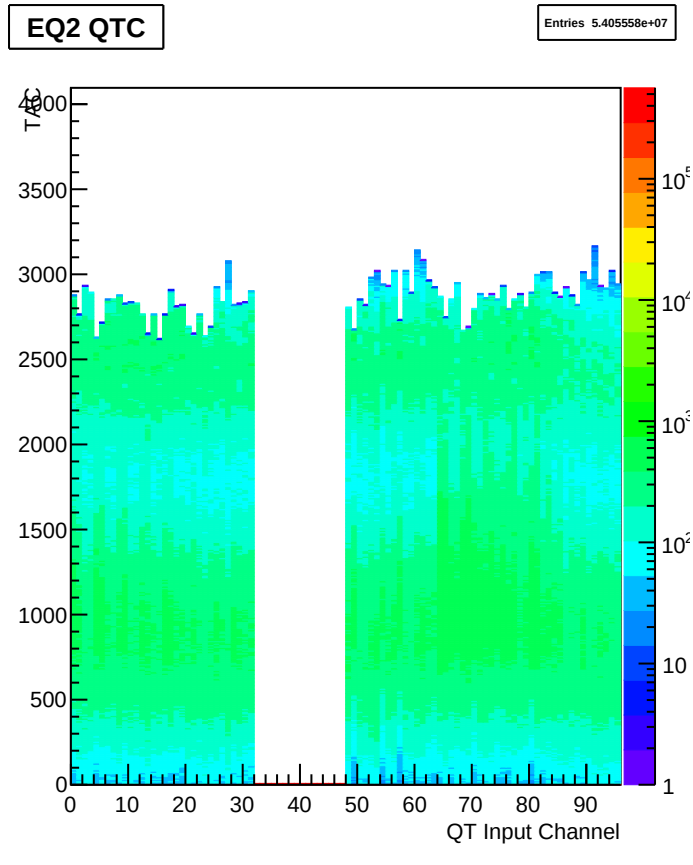

EQ1 QTC
Entries 5.405558e+07
ADC
QT Input Channel

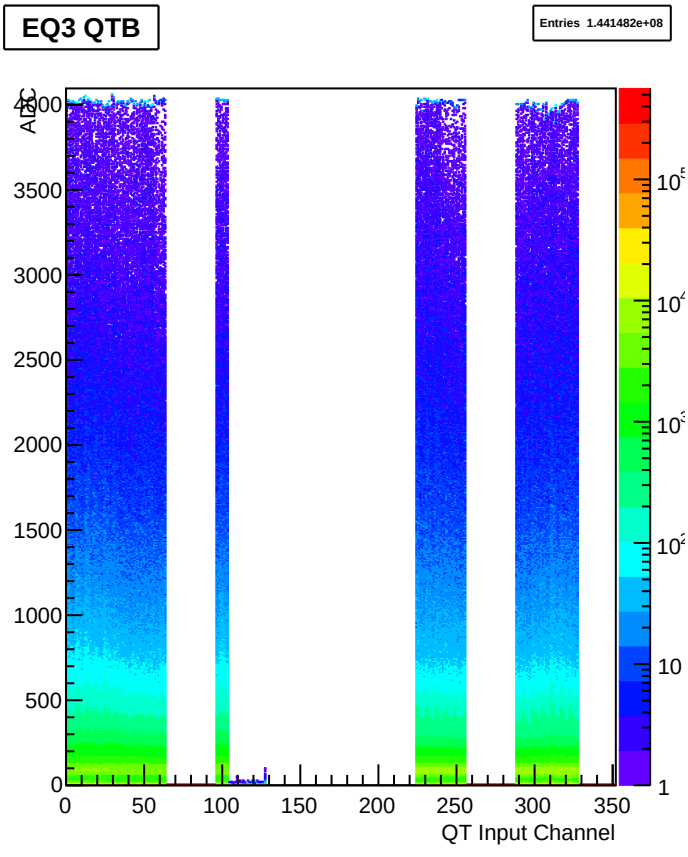

EQ1 QTC
Entries 5.405558e+07
TADC
QT Input Channel

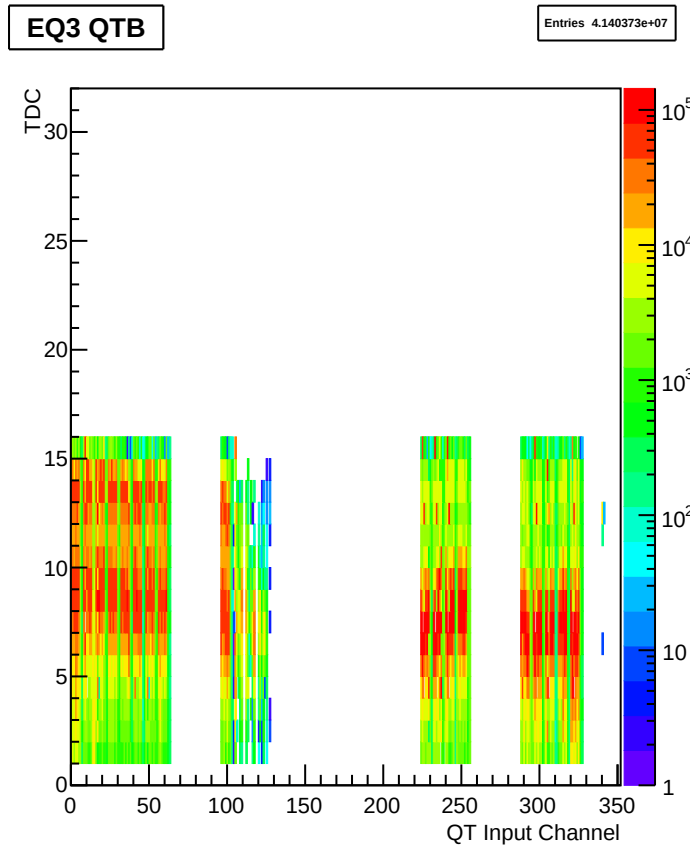

EQ2 QTB
Entries 1.621668e+08
ADC
QT Input Channel

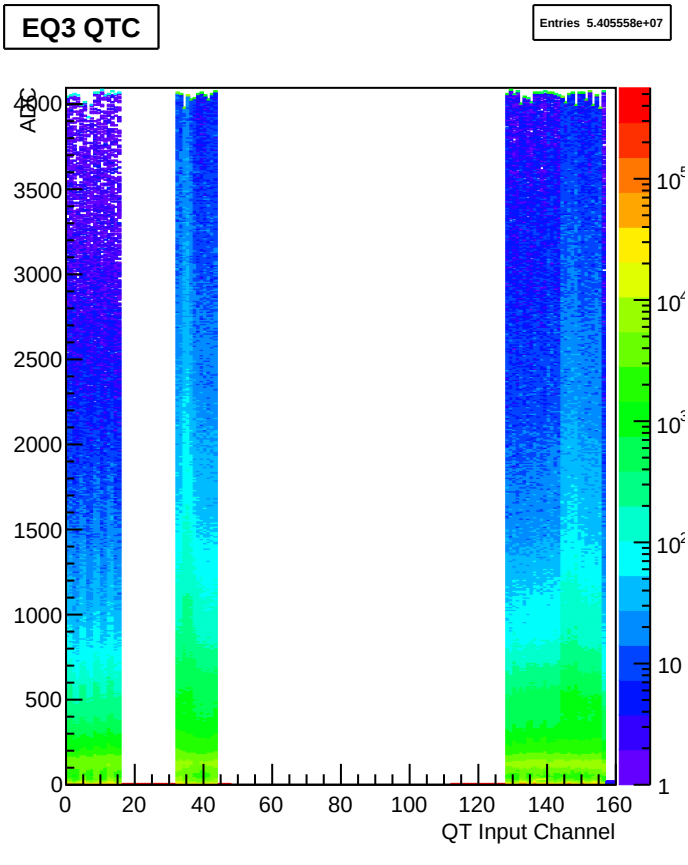

EQ2 QTB
Entries 5.109434e+07
TDC
QT Input Channel

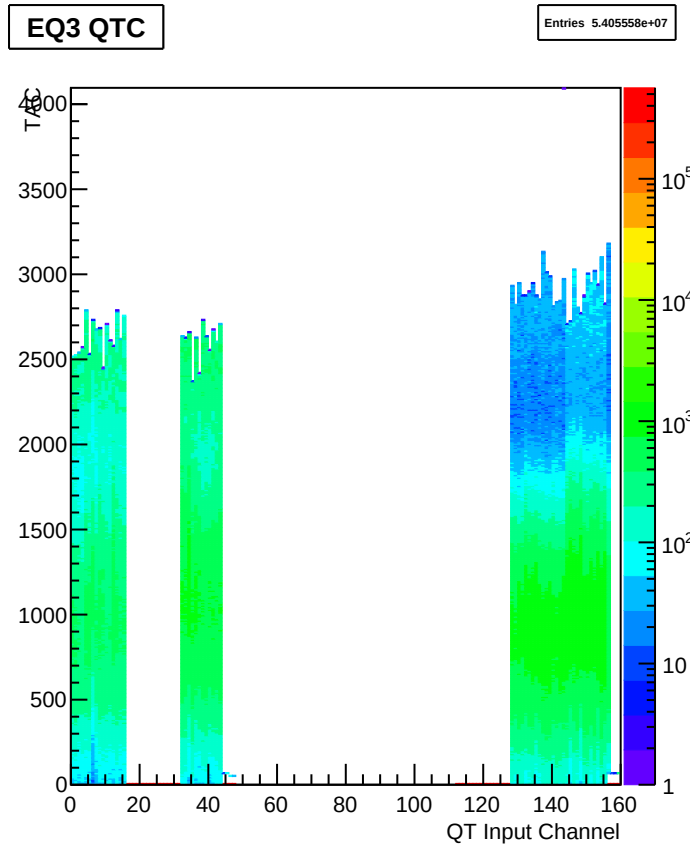

EQ2 QTC
Entries 5.405558e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.405558e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.441482e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.140373e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.405558e+07
ADC
QT Input Channel


EQ3 QTC
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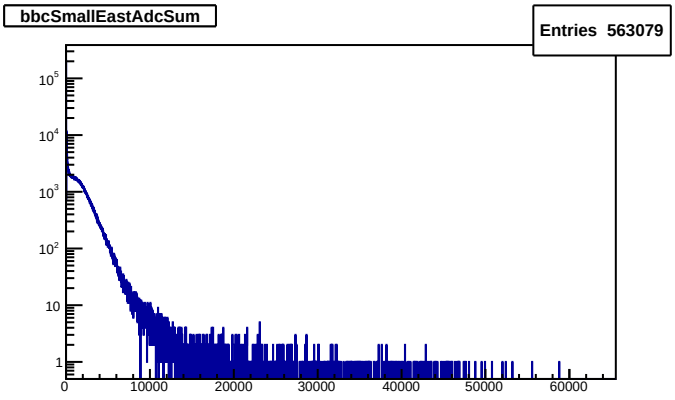
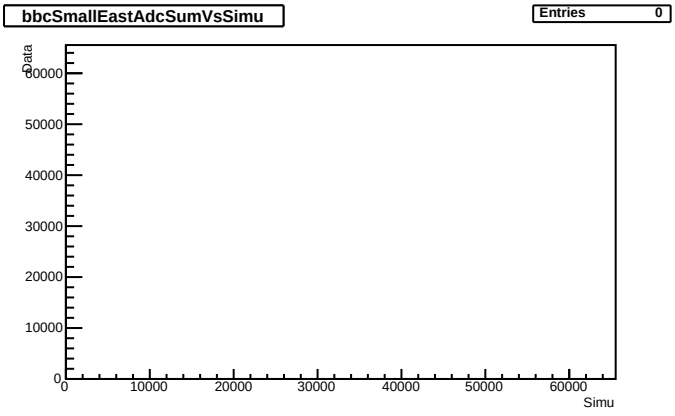
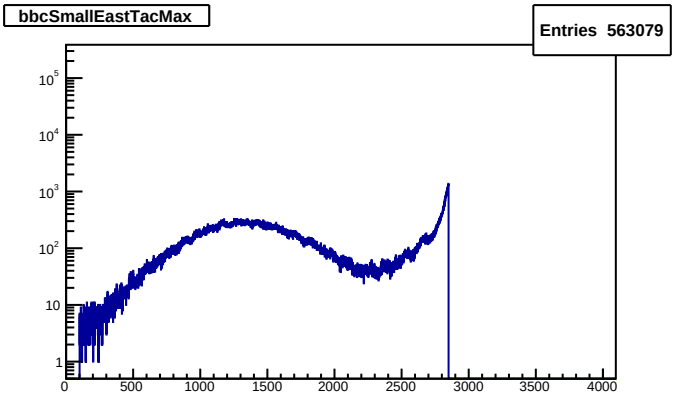
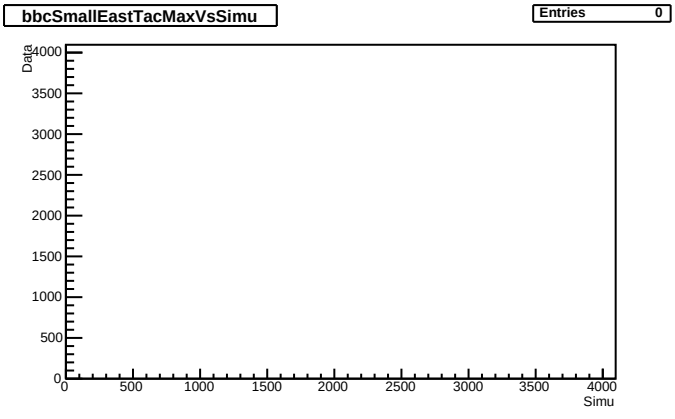
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 563079


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 563079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Entries 0
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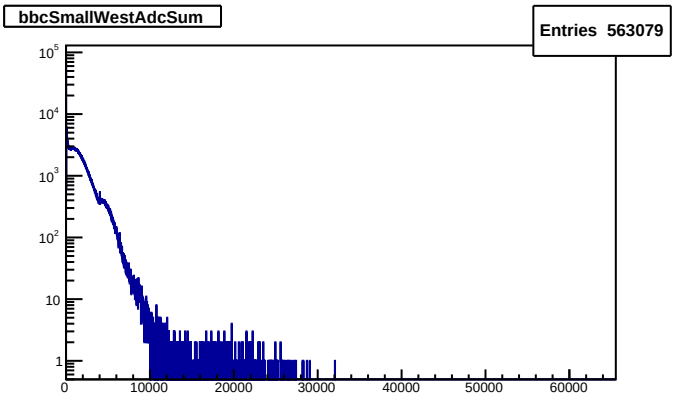
Simu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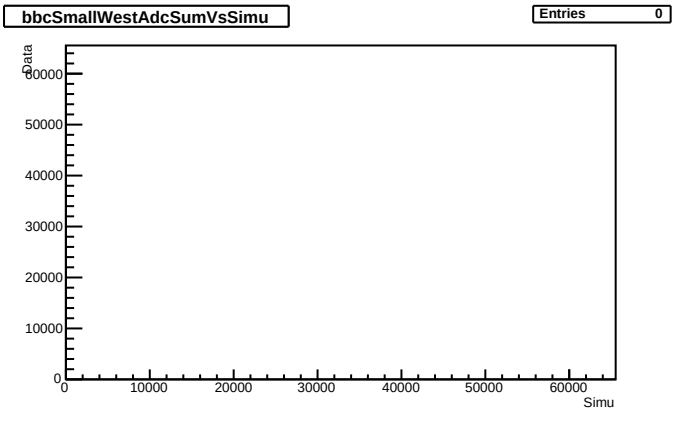
Entries 563079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Entries 0
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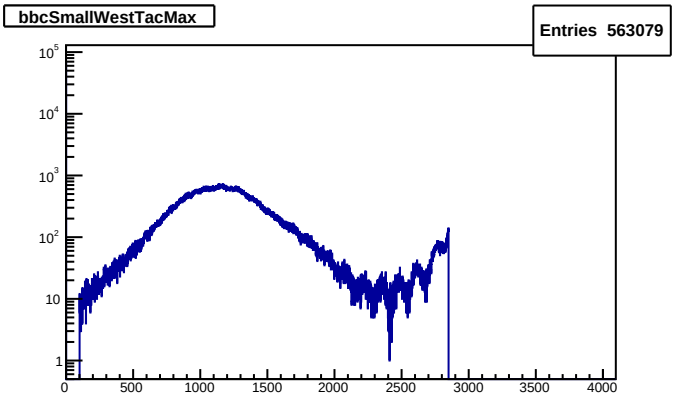
Simu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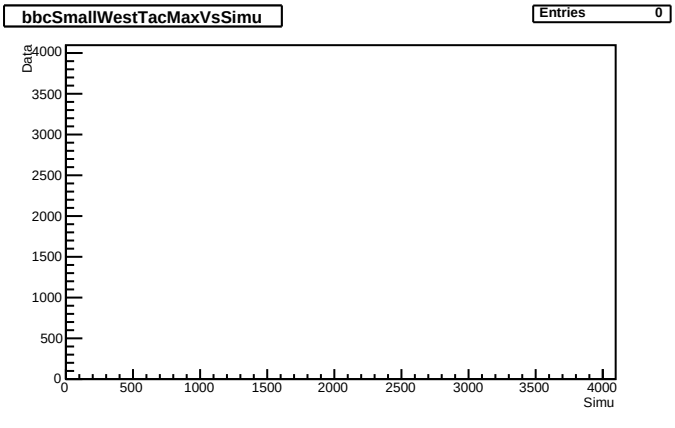
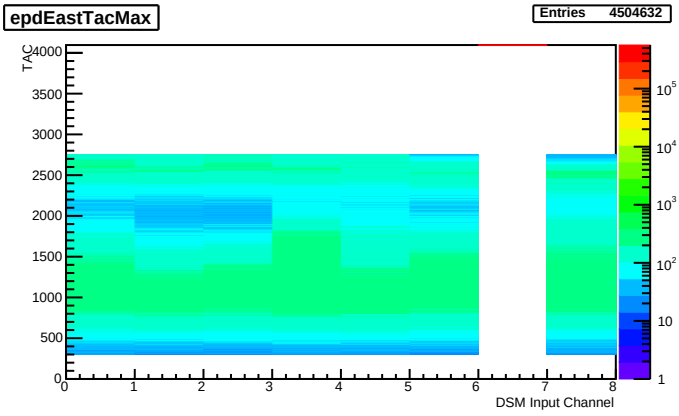
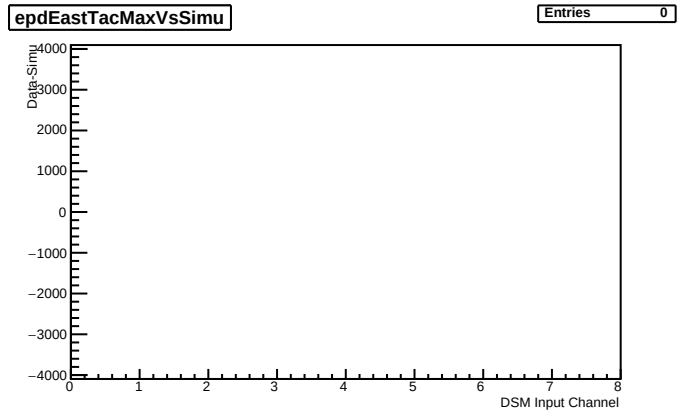
Entries 563079


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4504632
TAC
DSM Input Channel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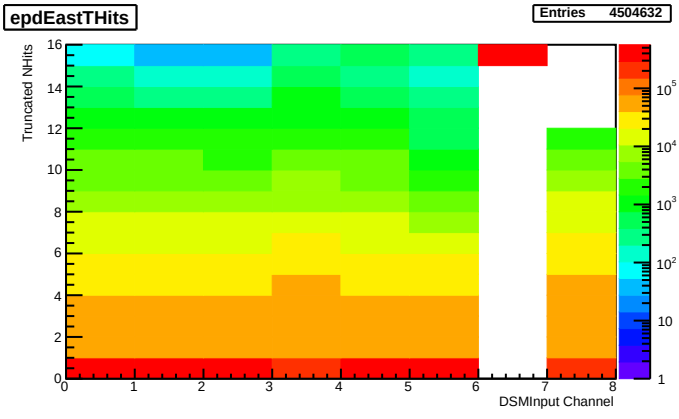
Entries 0
Data-Simu
DSM Input Channel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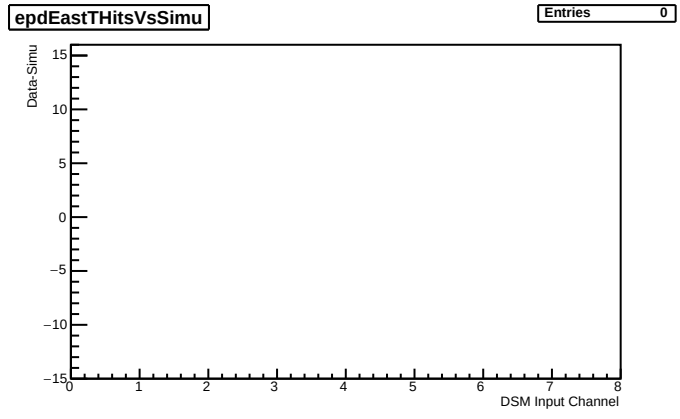
Entries 4504632
Truncated NHits
DSMInput Channel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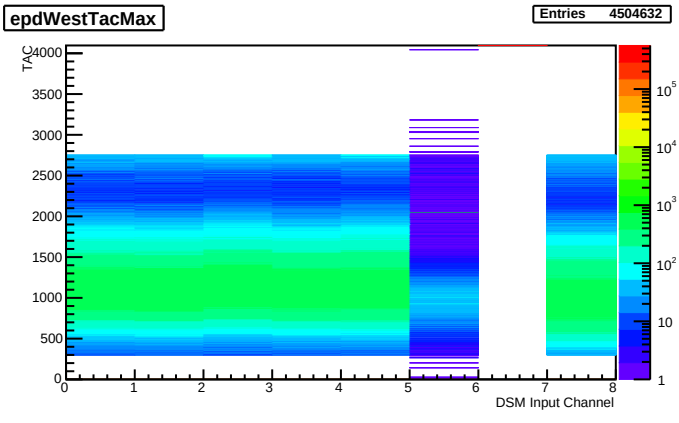
DSM Input Channel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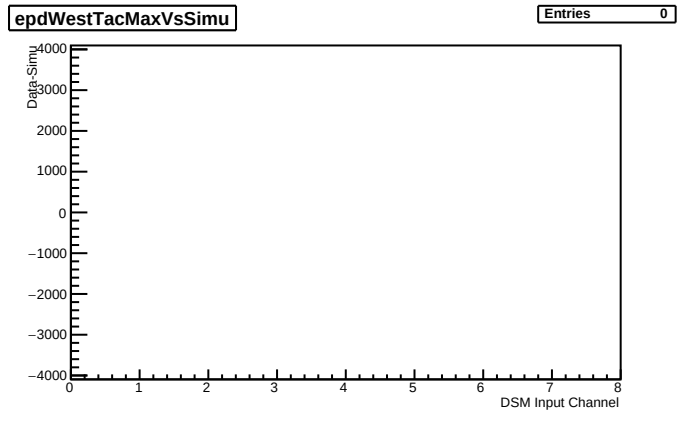
Entries 4504632
TAC
DSM Input Channel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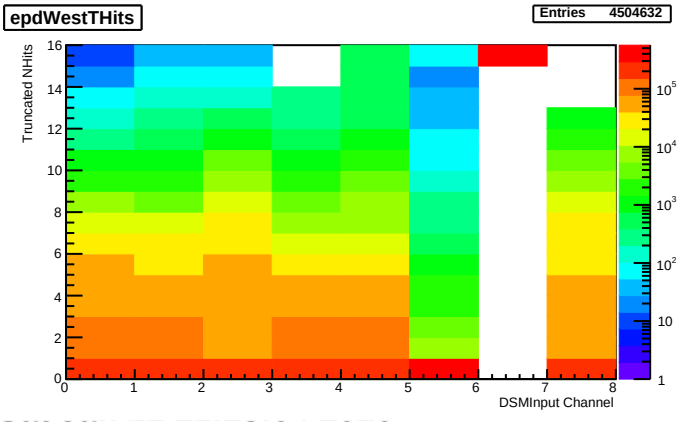
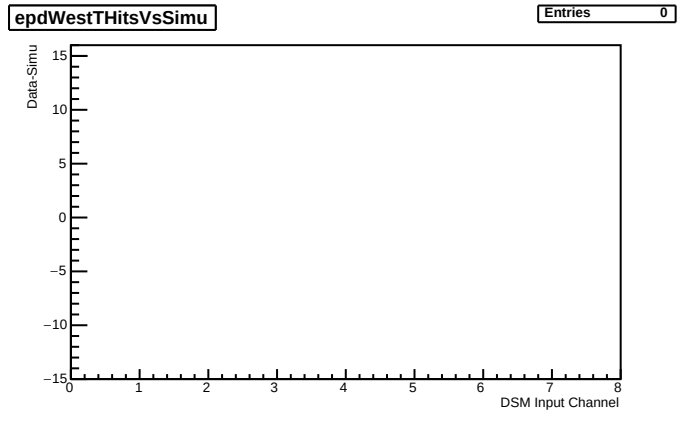
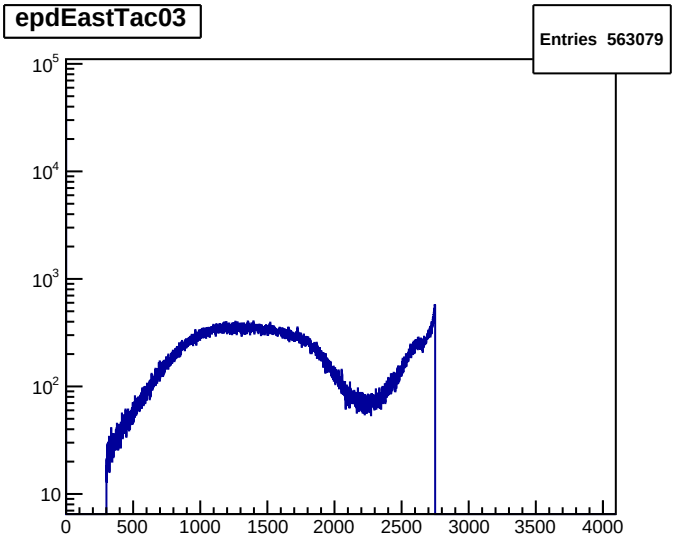
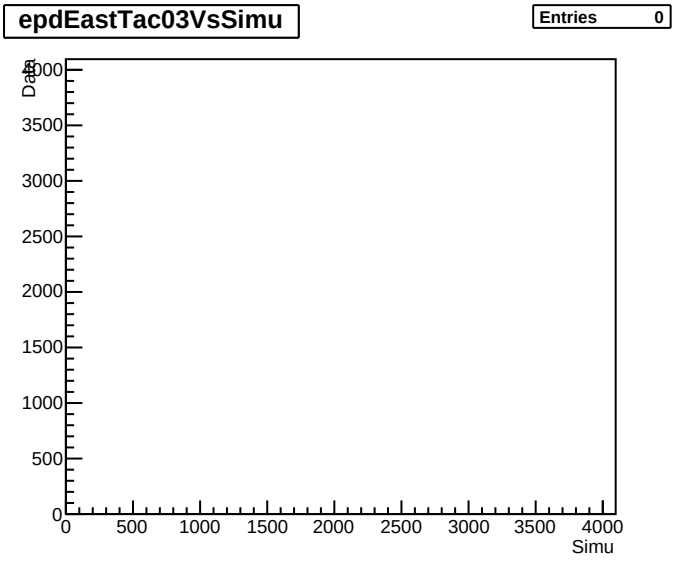
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4504632
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 563079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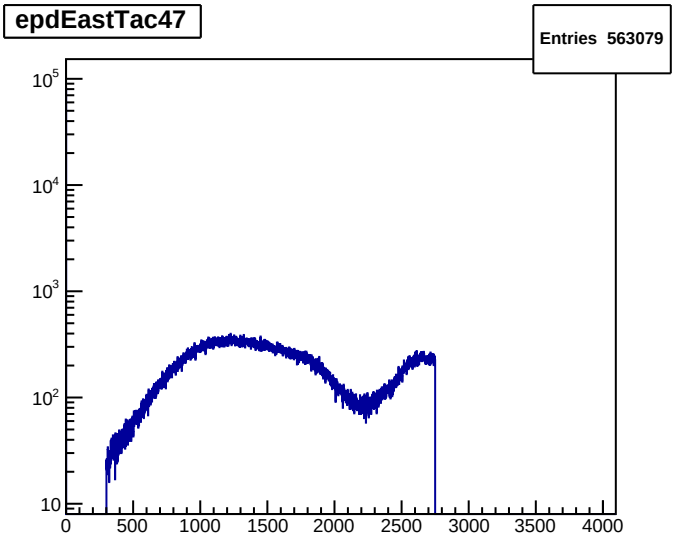
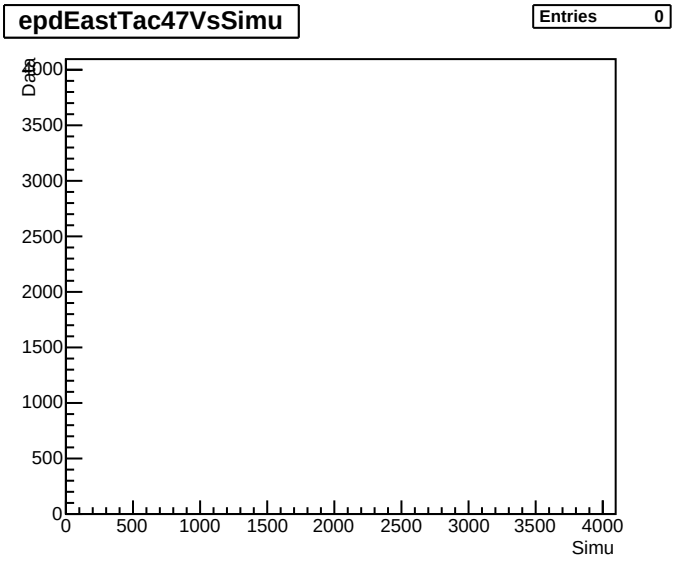
Entries 0
Data
Simu


epdEastTac47
Entries 563079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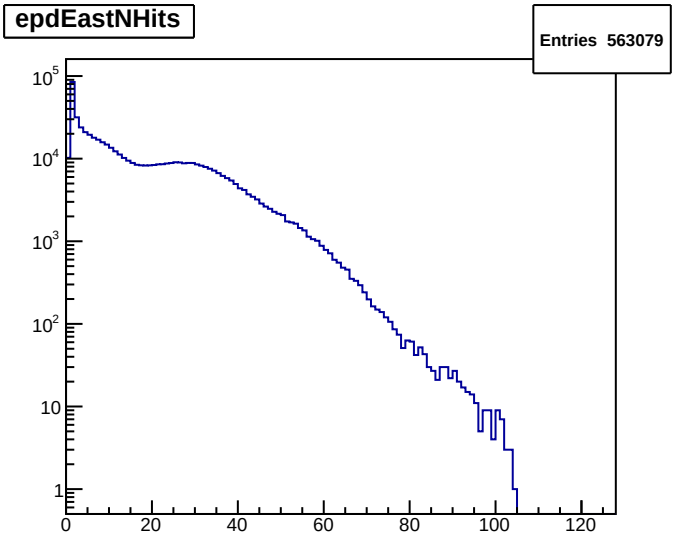
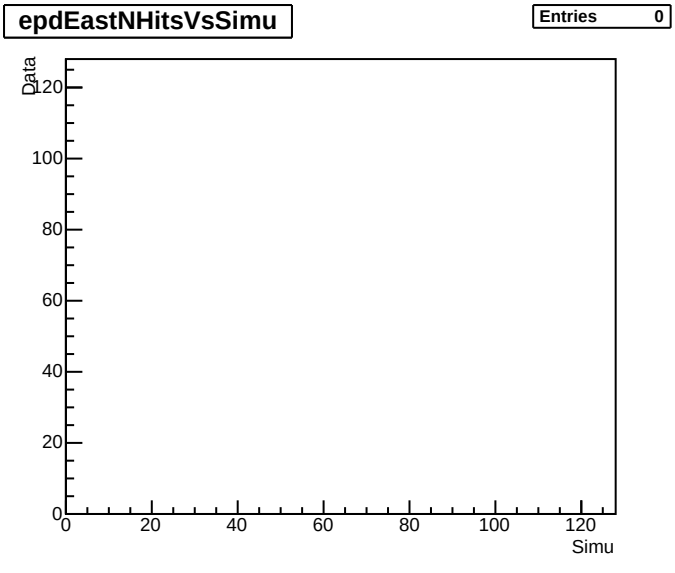
Entries 0
Data
Simu


epdEastNHits
Entries 563079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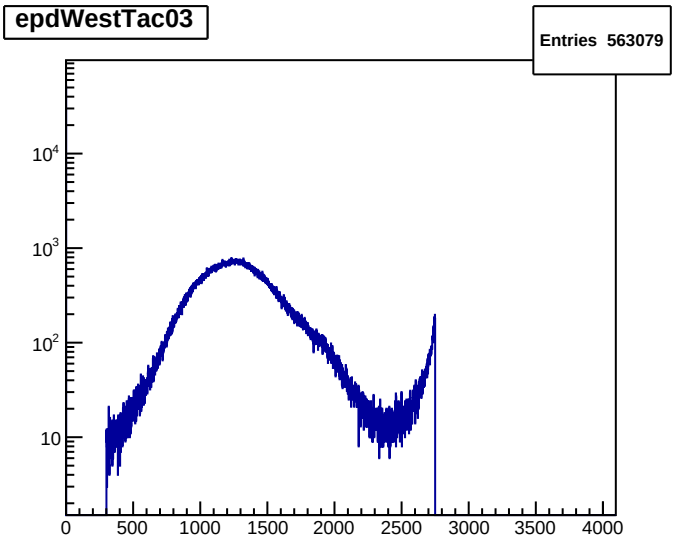
Entries 0
Data
Simu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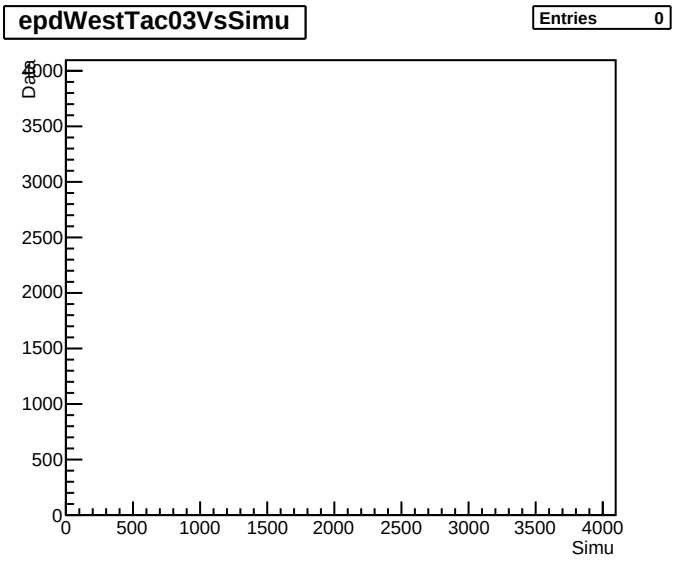
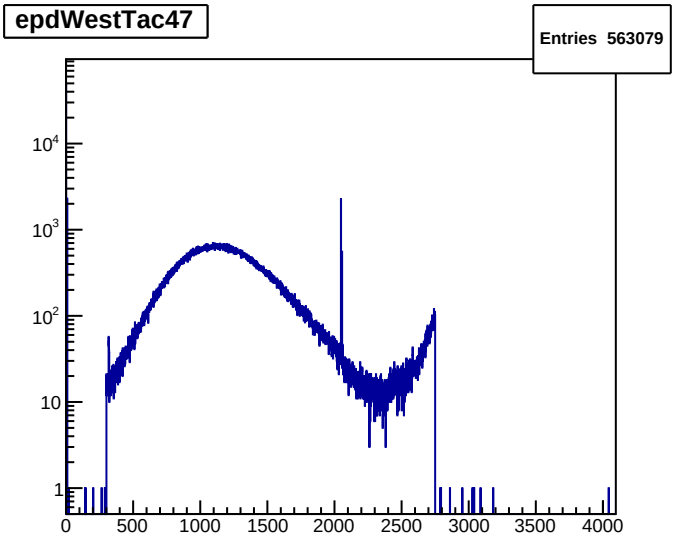
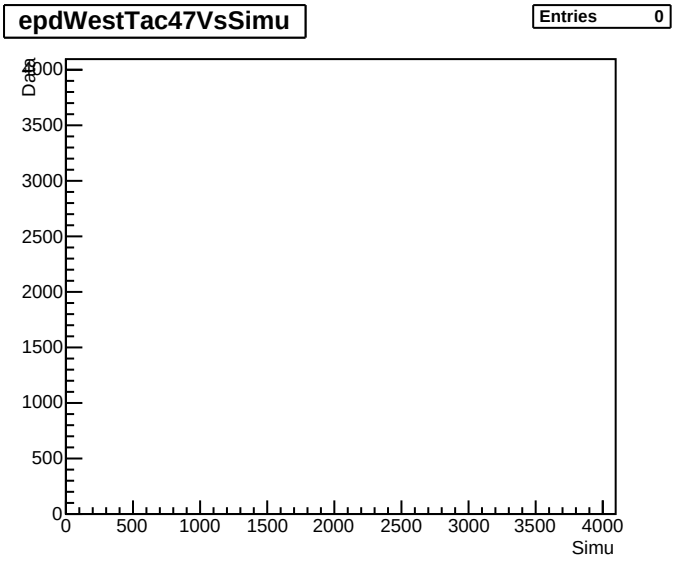
Entries 563079
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 563079
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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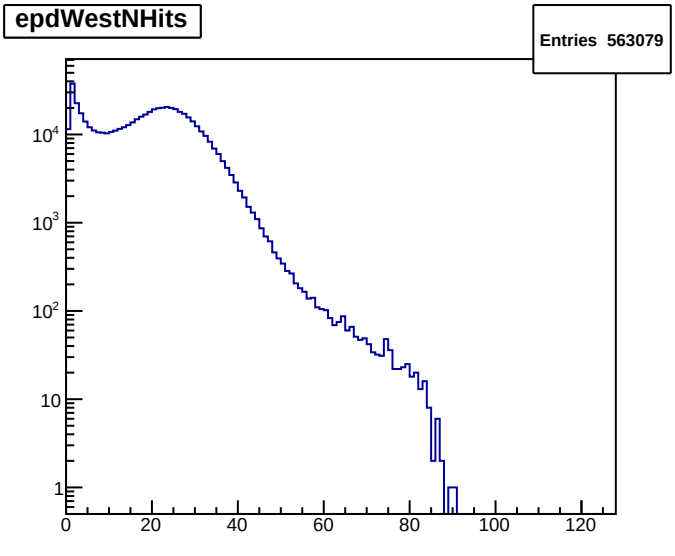
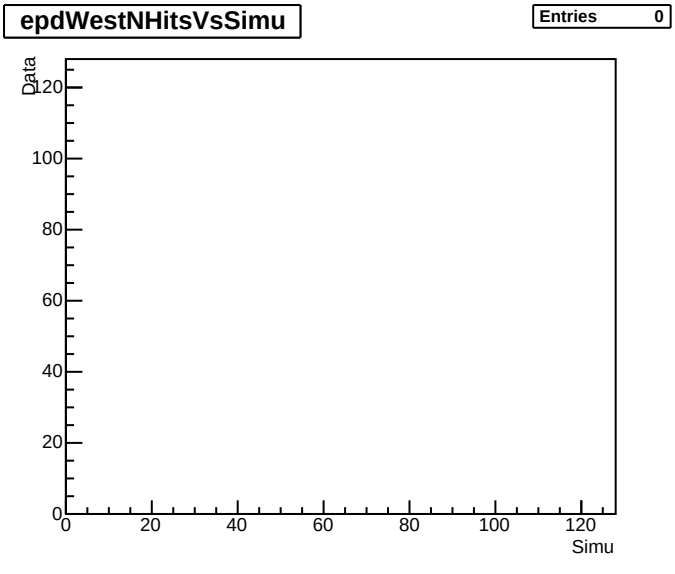
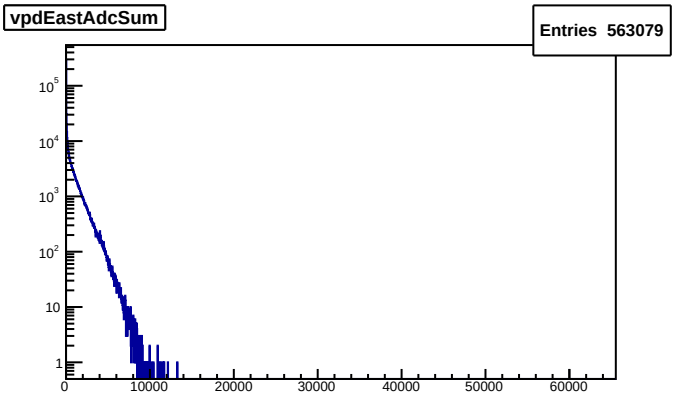
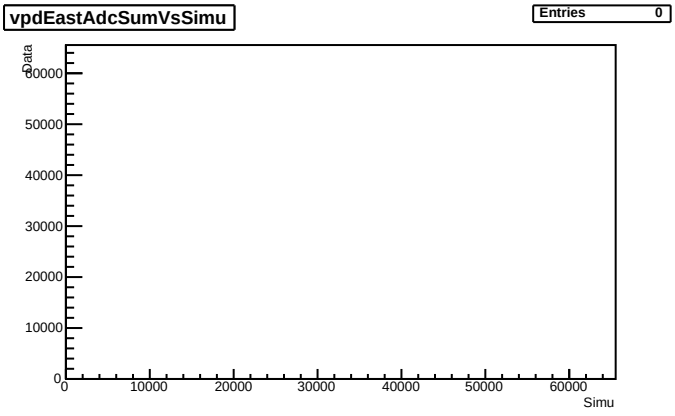
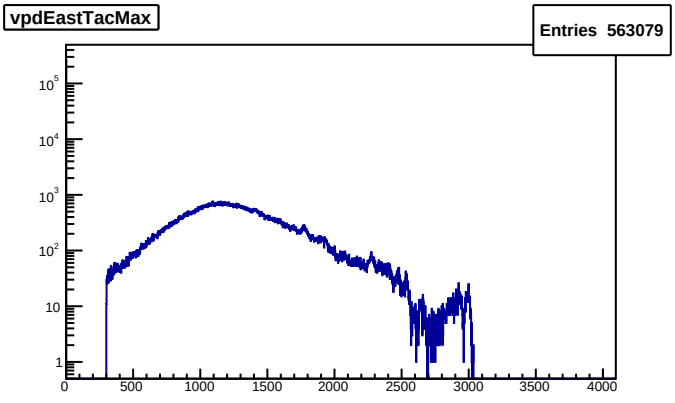
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

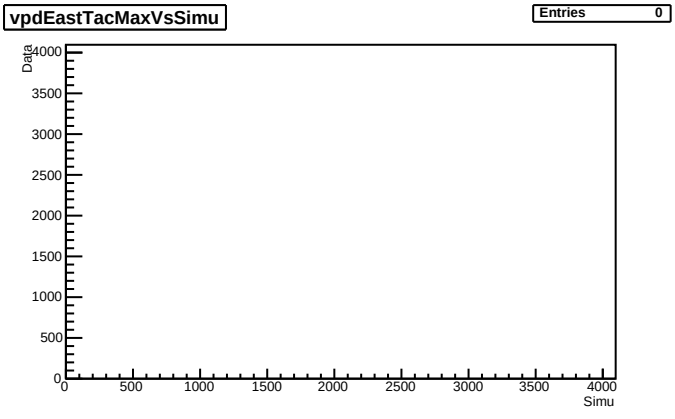

epdWestNHits
Entries 563079
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu


vpdEastAdcSum
Entries 563079


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 563079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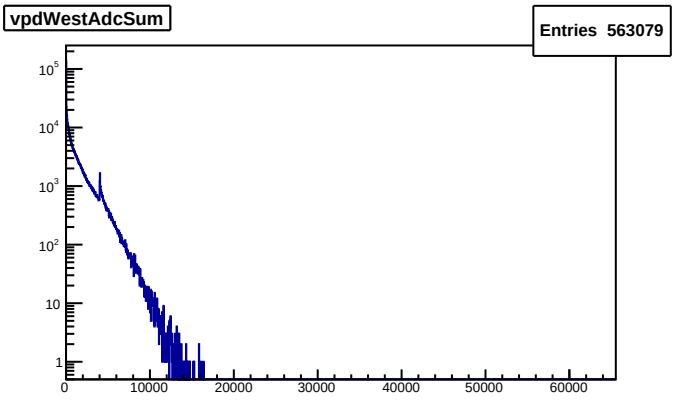
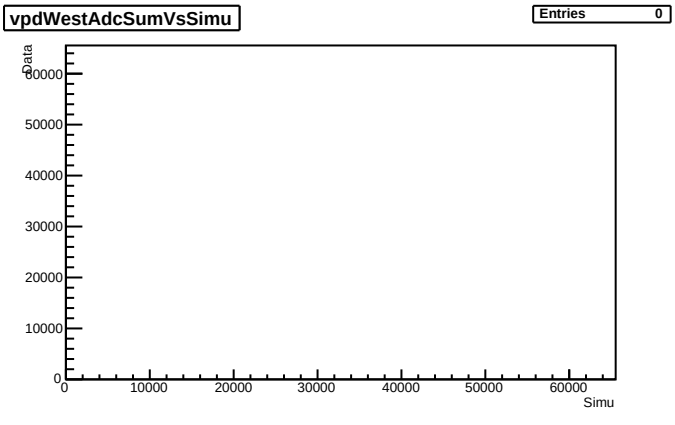
Entries 0
Data
Simu


vpdWestAdcSum
Entries 563079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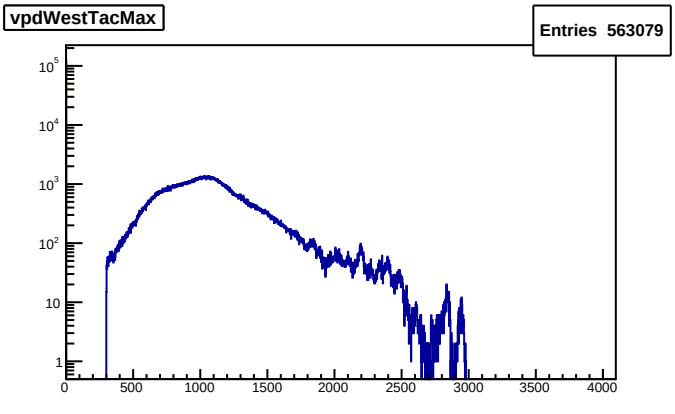
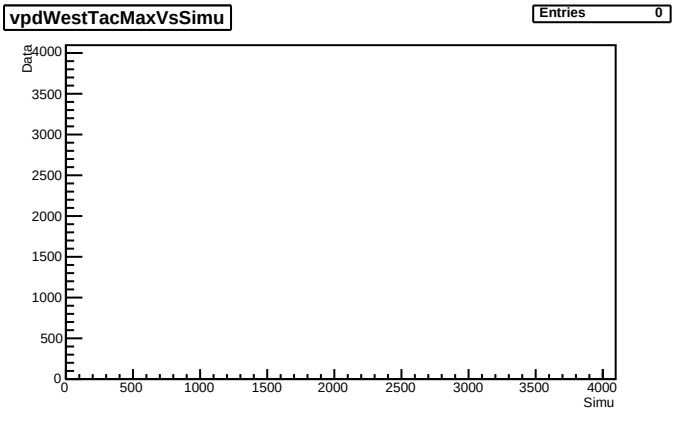
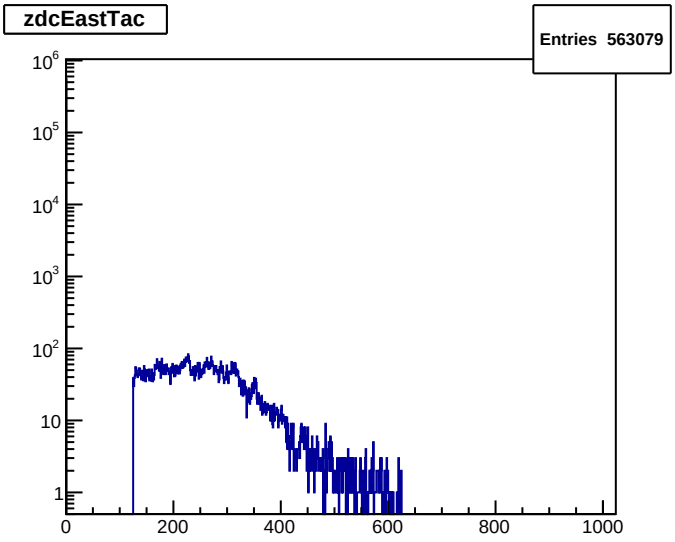
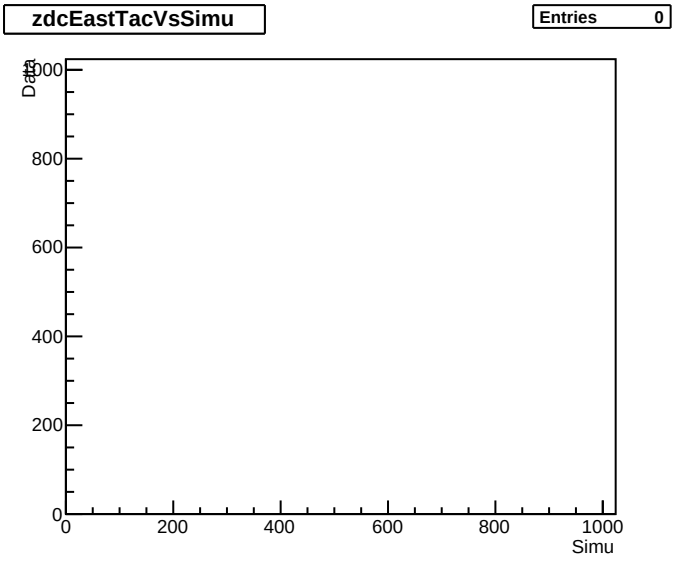
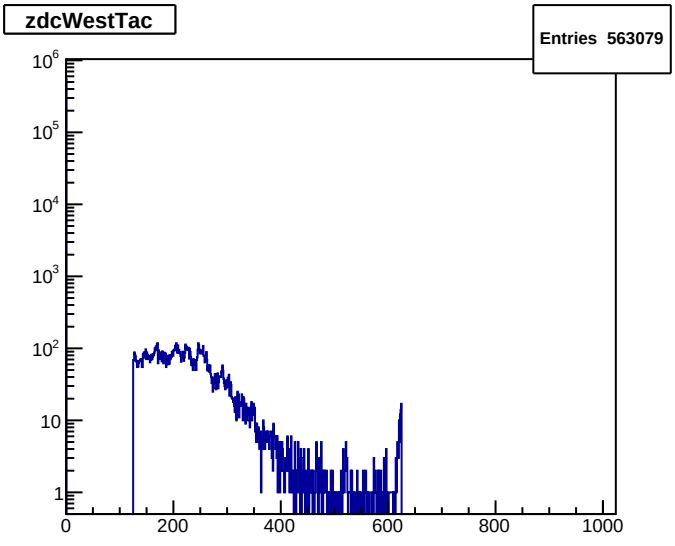
Entries 0
Data
Simu

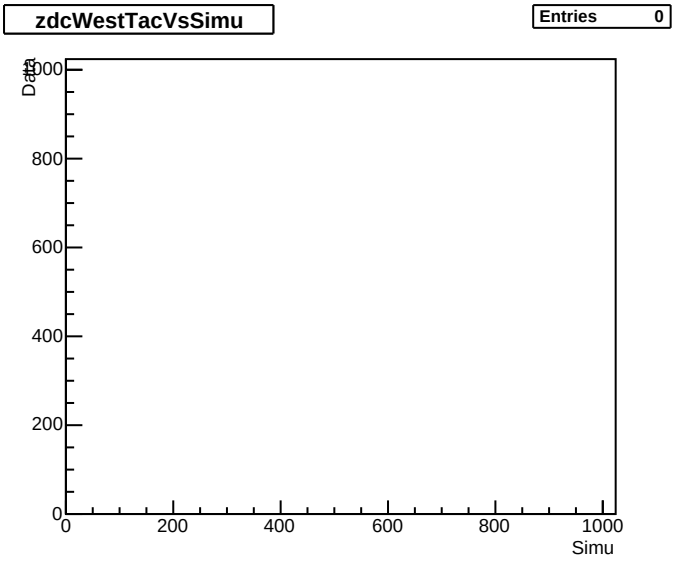

vpdWestTacMax
Entries 563079

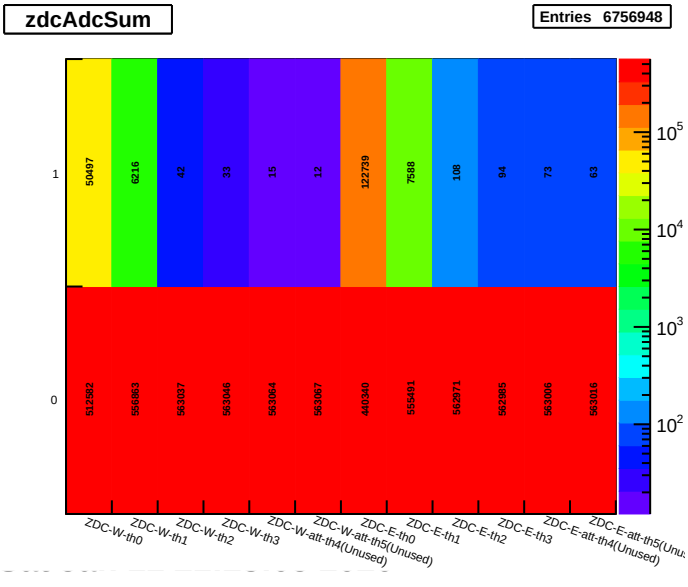

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

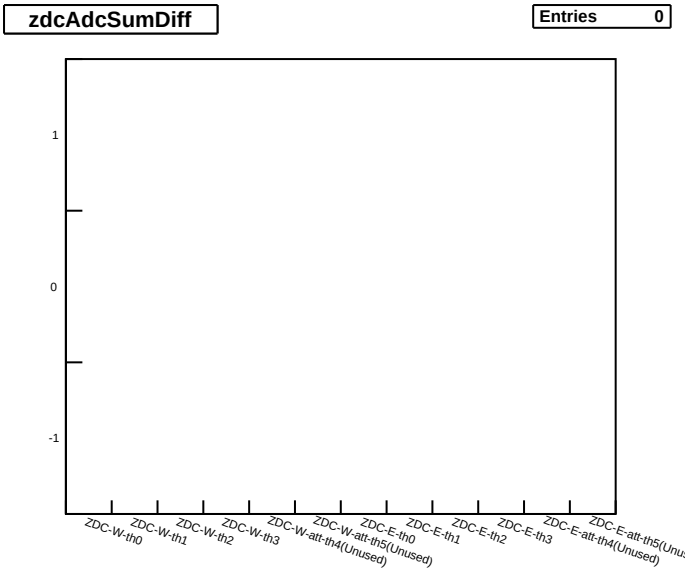

zdcEastTac
Entries 563079

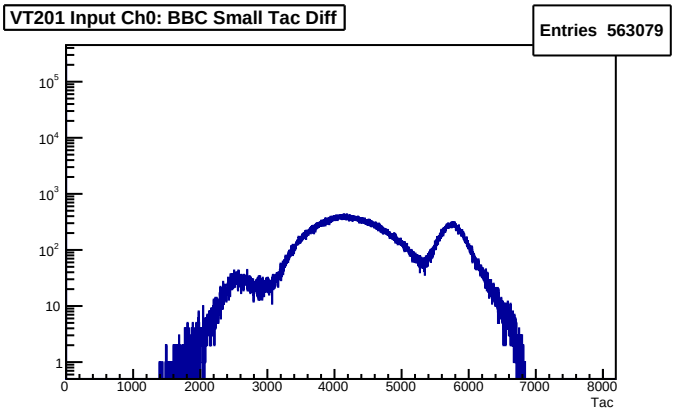

zdcEastTacVsSimu
Entries 0
Data
Simu

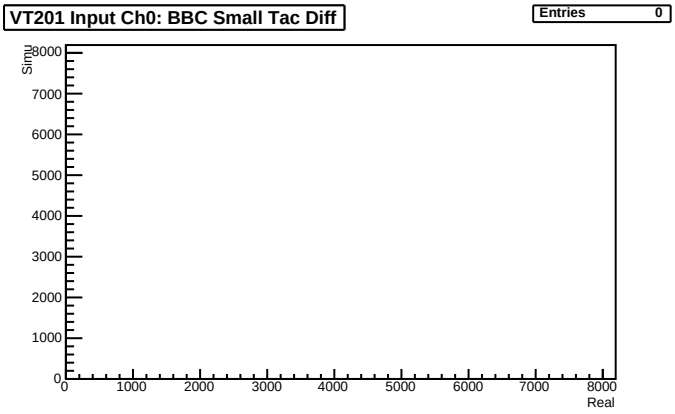

zdcWestTac
Entries 563079

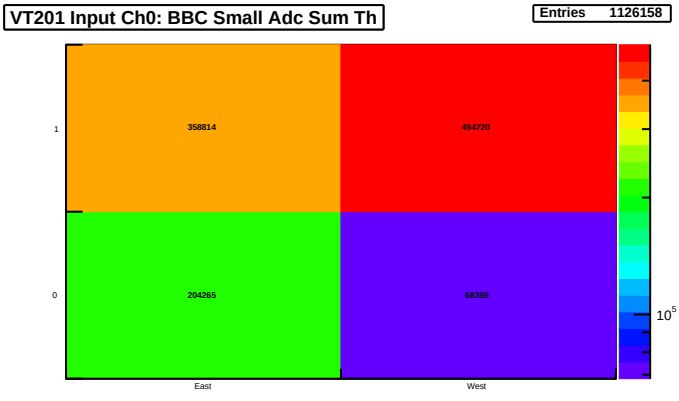

zdcWestTacVsSimu
Entries 0
Data
Simu

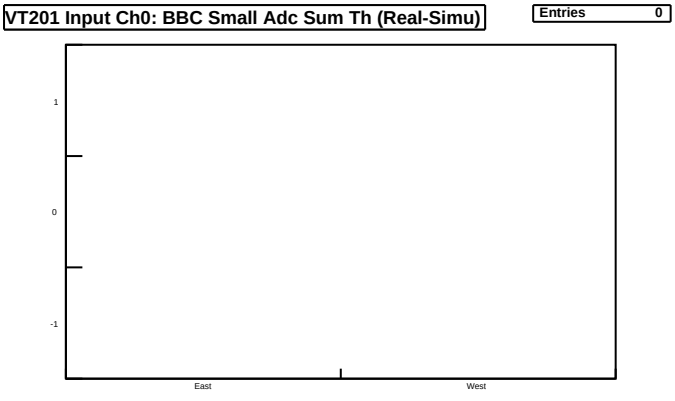

zdcAdcSum
Entries 6756948
50497
6216
42
33
15
12
122739
7588
108
94
73
63
512582
556863
563037
563046
563064
563067
440340
555491
562971
562985
563006
563016
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

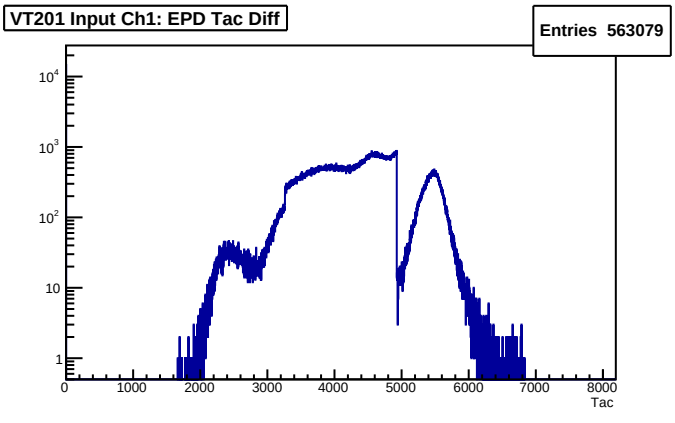

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

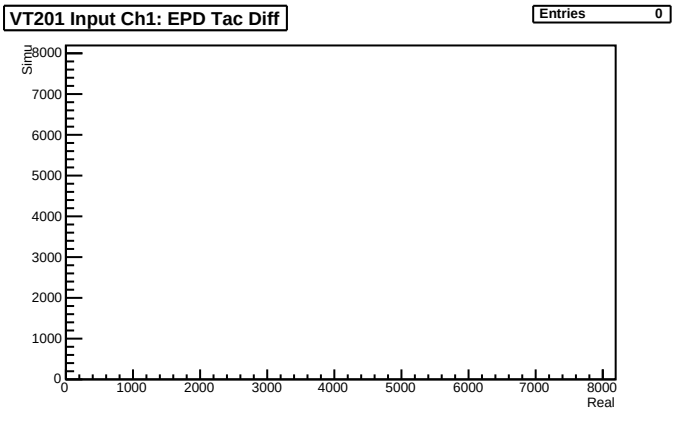

VT201 Input Ch0: BBC Small Tac Diff
Entries 563079
Tac

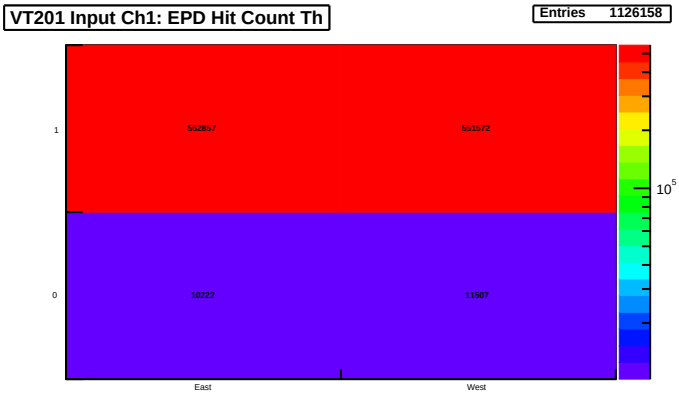

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

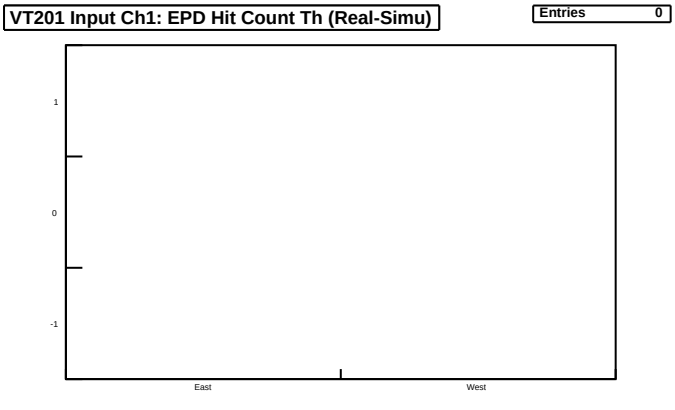

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1126158
358814
494720
204265
68359
East
West

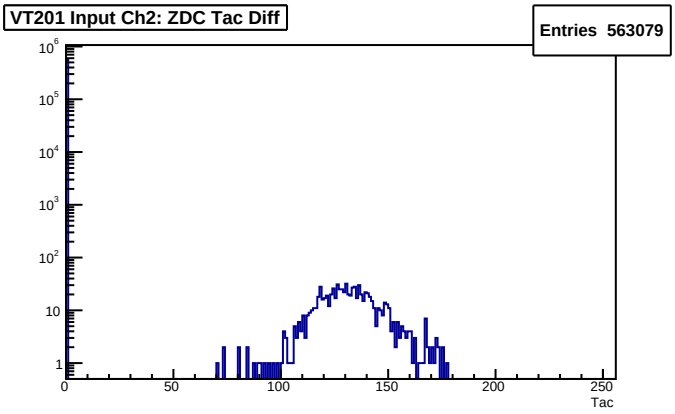

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

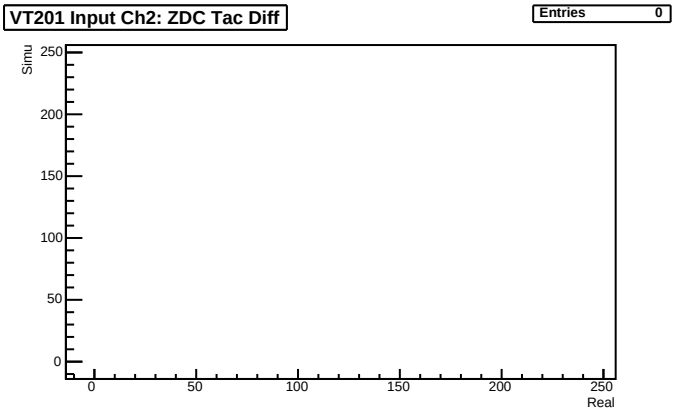

VT201 Input Ch1: EPD Tac Diff
Entries 563079
Tac

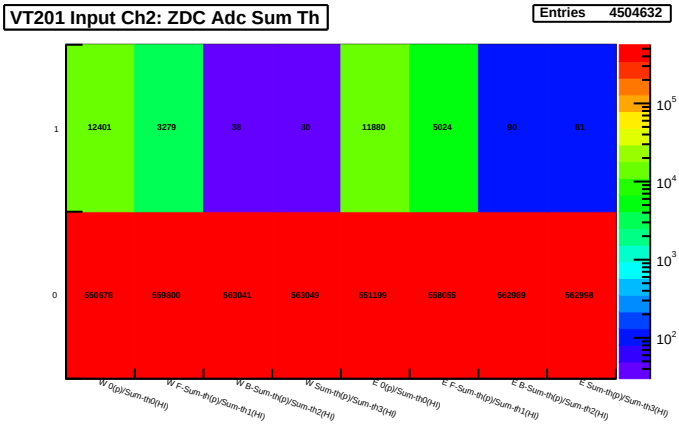

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

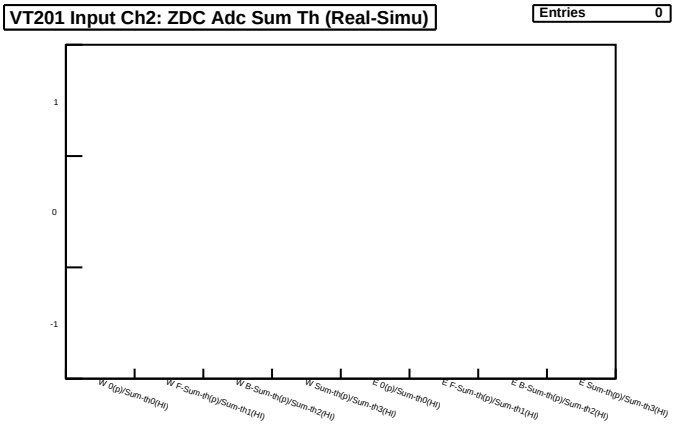

VT201 Input Ch1: EPD Hit Count Th
Entries 1126158
552857
551572
10222
11507
East
West

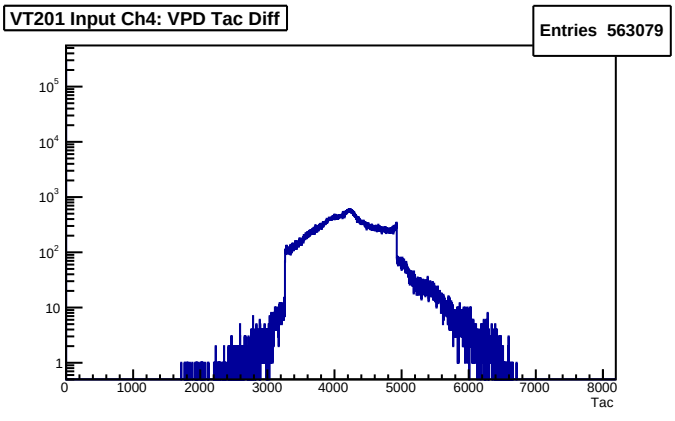

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

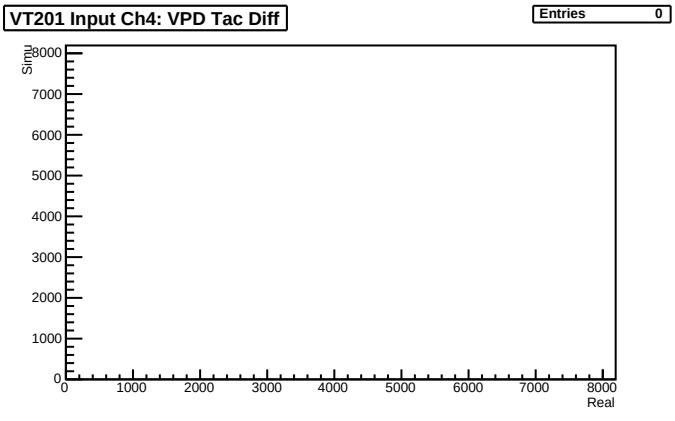

VT201 Input Ch2: ZDC Tac Diff
Entries 563079
Tac

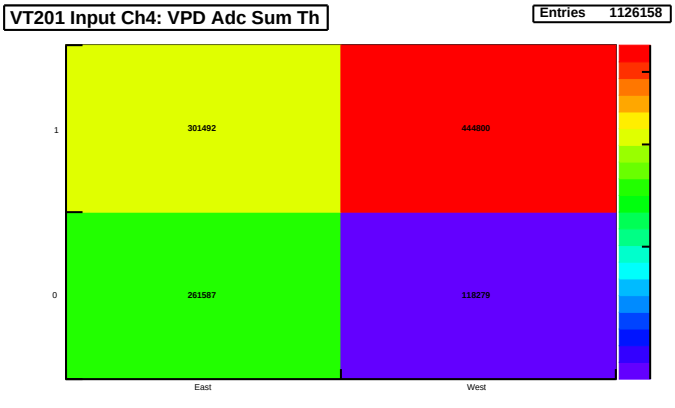

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

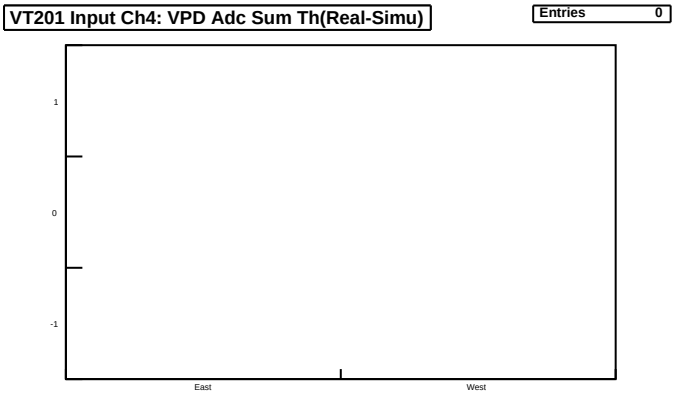

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4504632
12401
3279
38
30
11880
5024
90
81
550678
559800
563041
563049
551199
558055
562989
562998
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

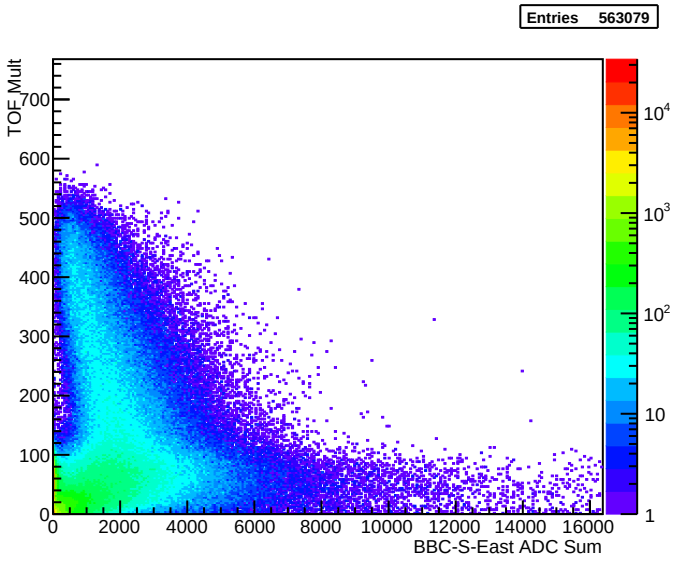

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

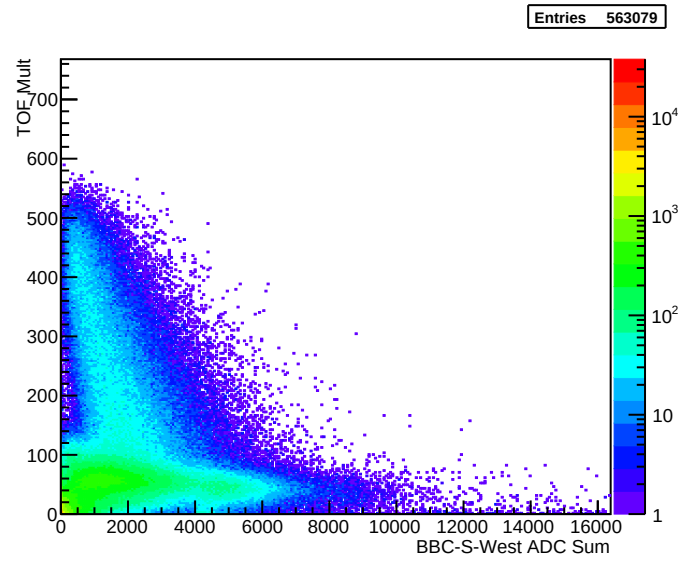

VT201 Input Ch4: VPD Tac Diff
Entries 563079
Tac

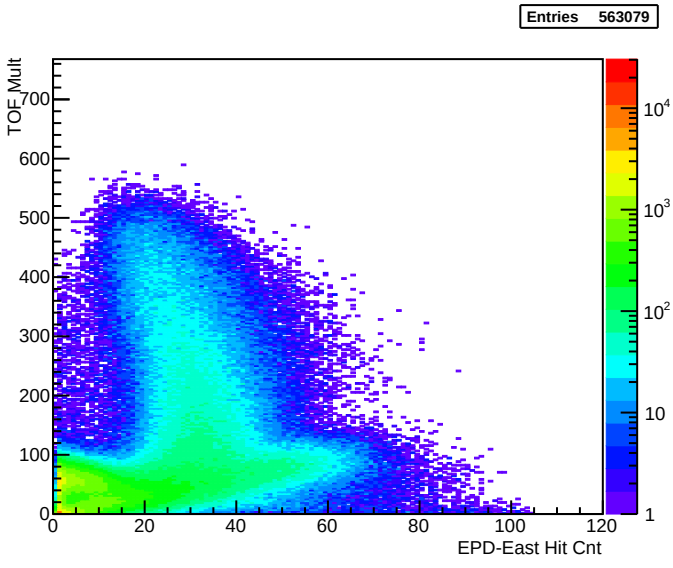

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

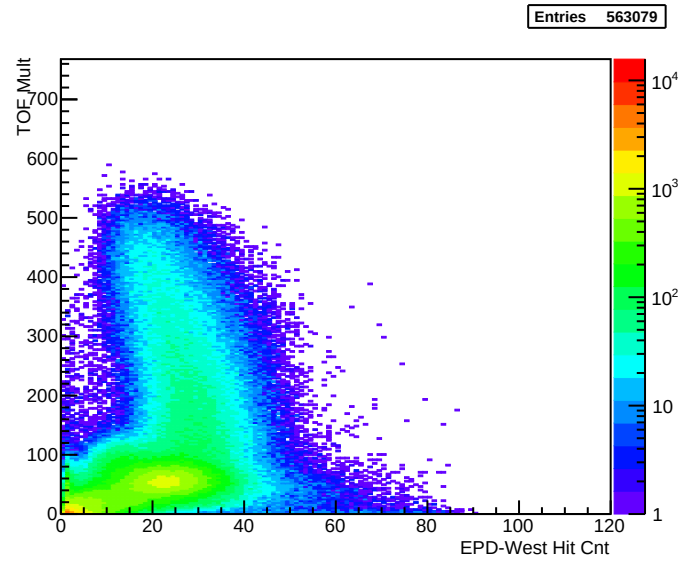

VT201 Input Ch4: VPD Adc Sum Th
Entries 1126158
301492
444800
261587
118279
East
West

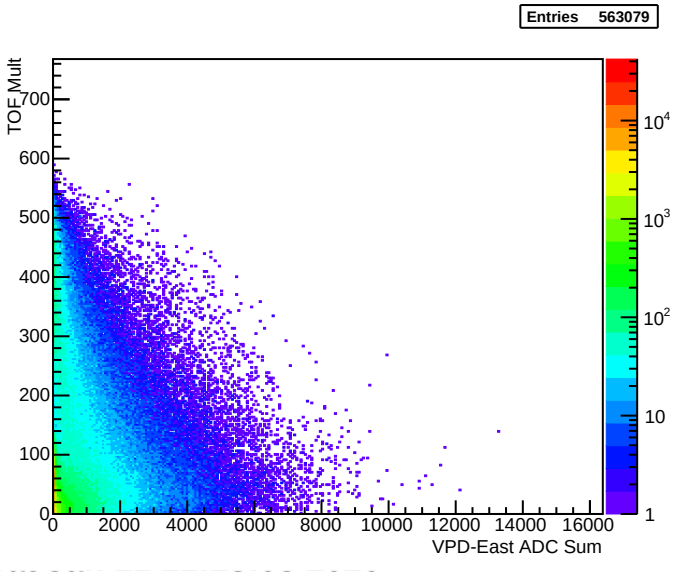

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

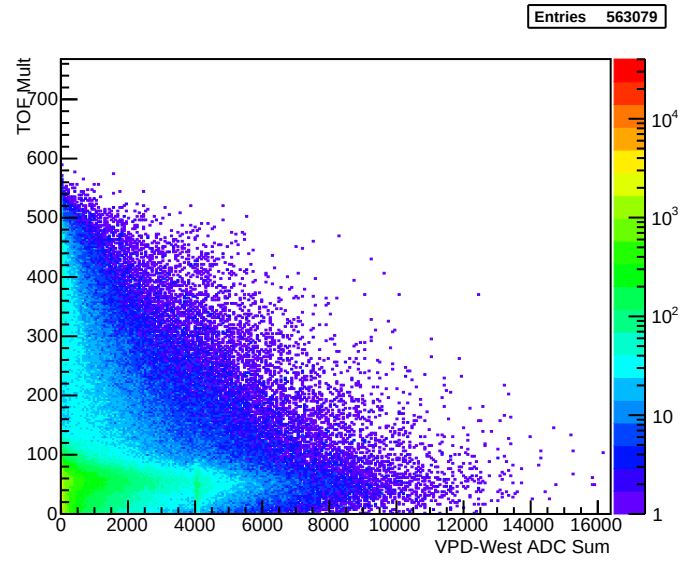

Entries 563079
TOF_Mult
BBC-S-East ADC Sum

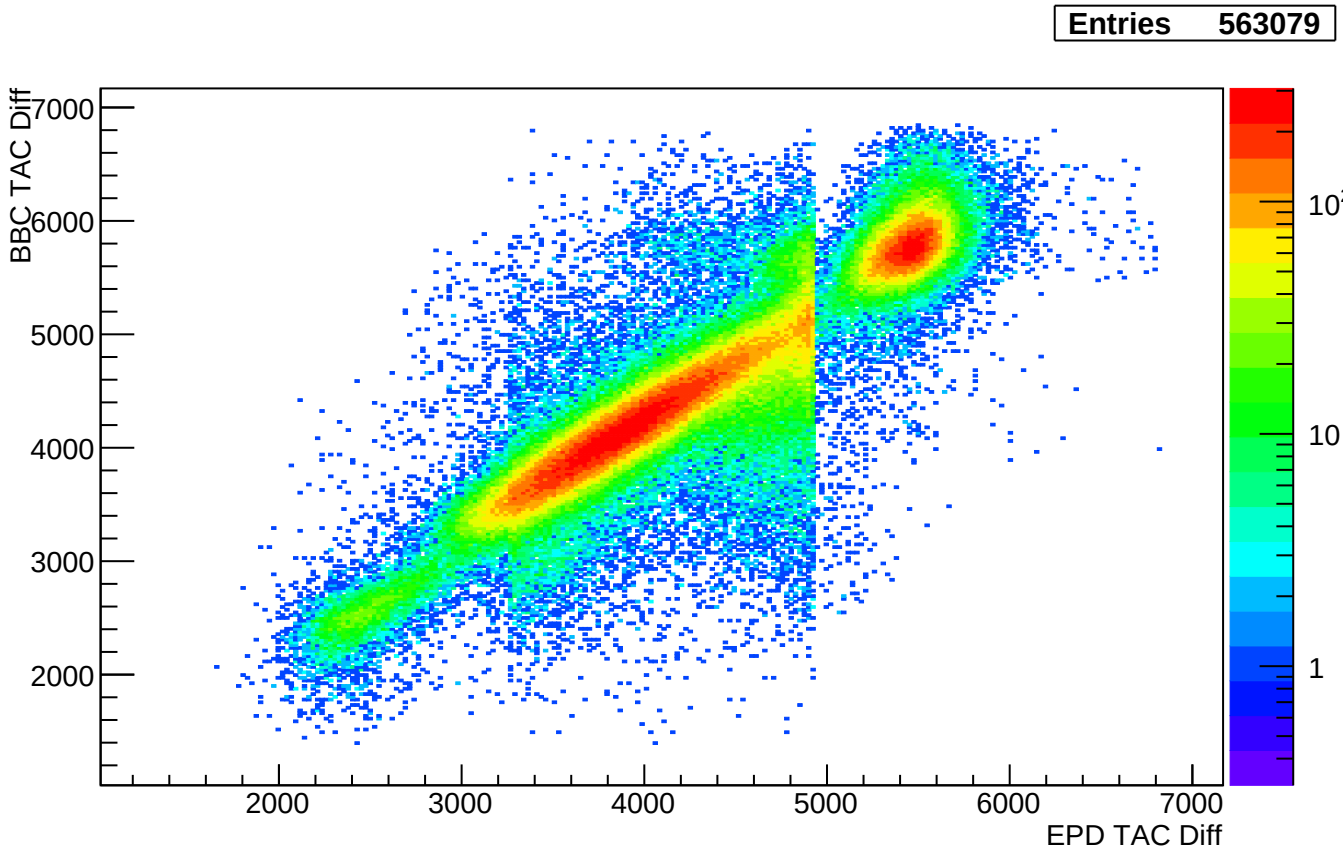

Entries 563079
TOF_Mult
BBC-S-West ADC Sum

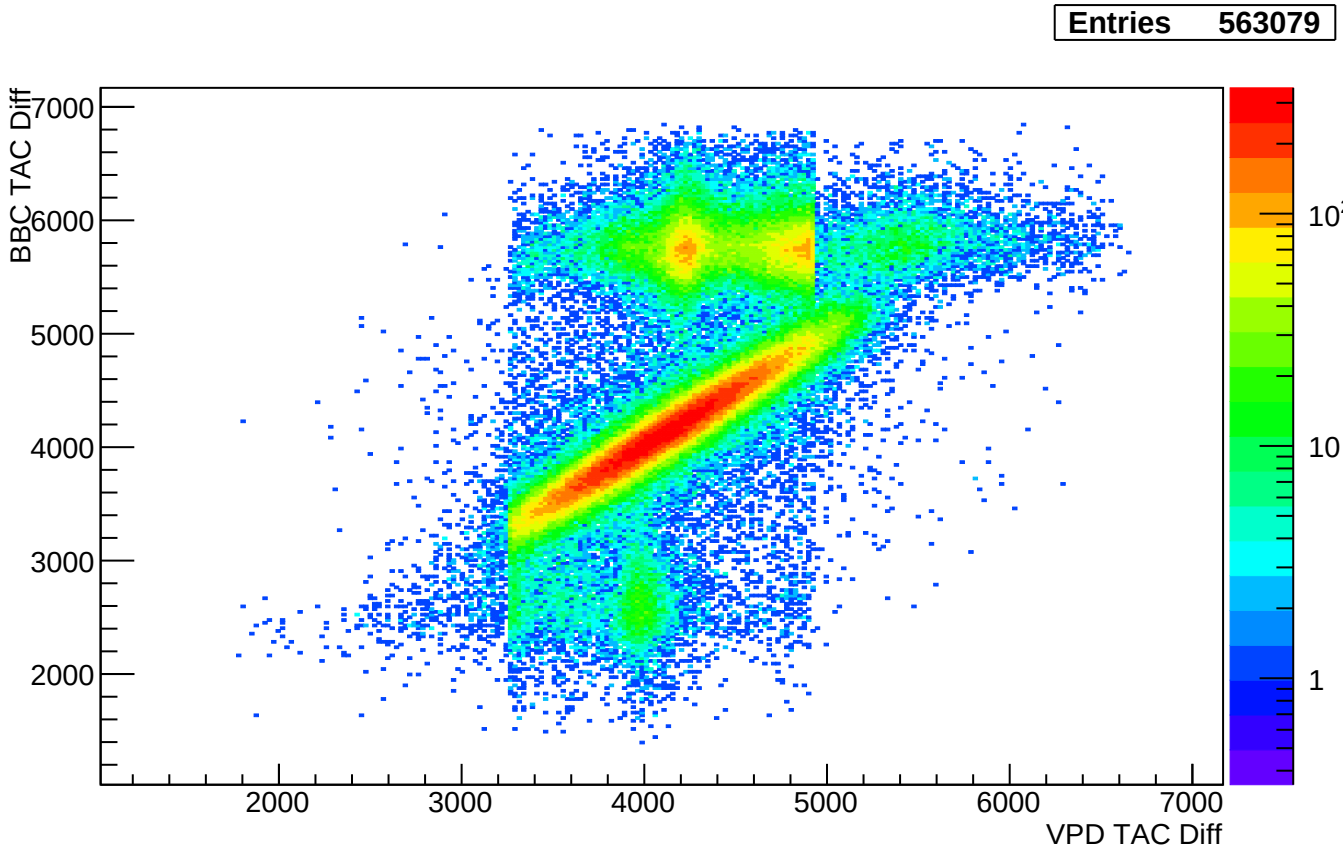

Entries 563079
TOF_Mult
EPD-East Hit Cnt

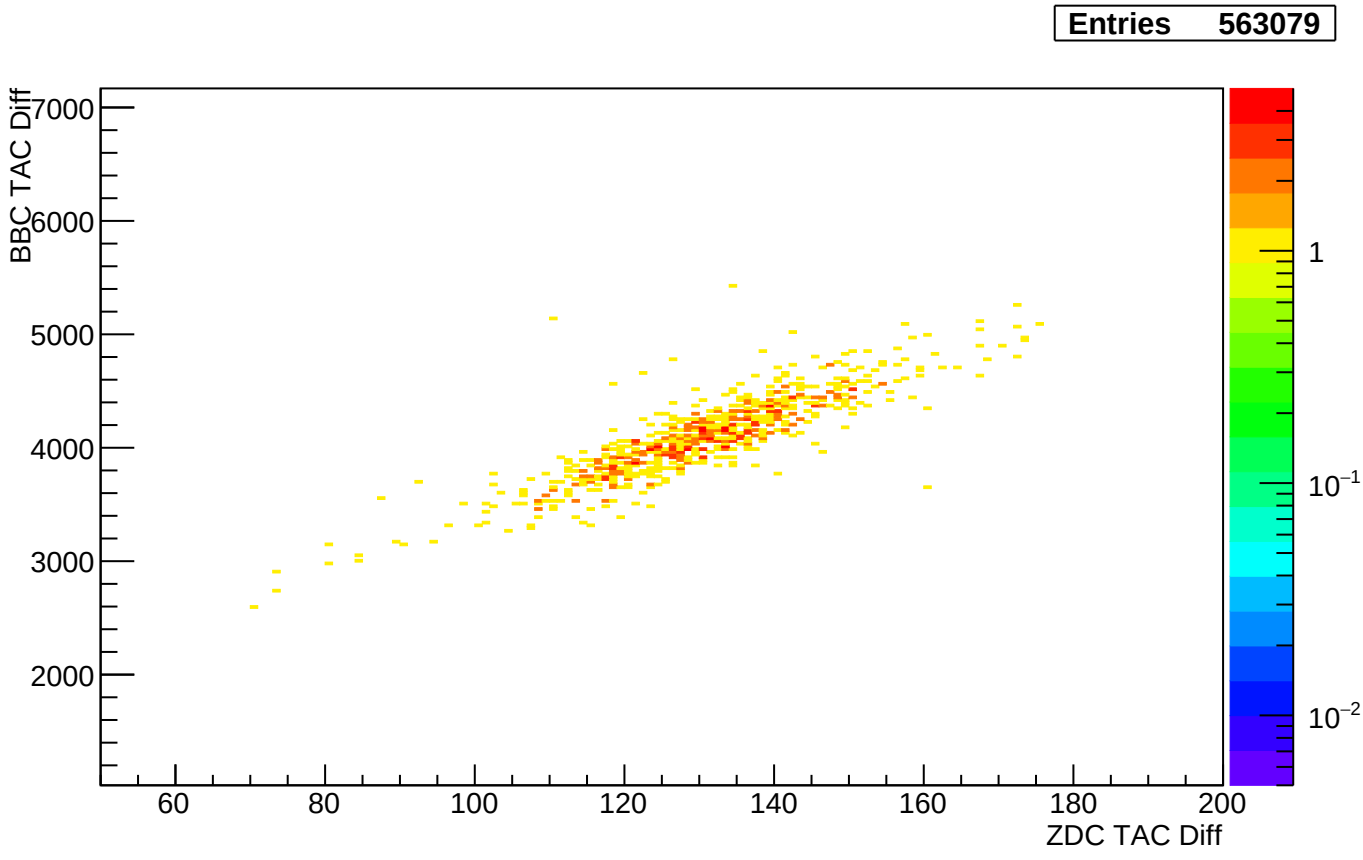

Entries 563079
TOF_Mult
EPD-West Hit Cnt

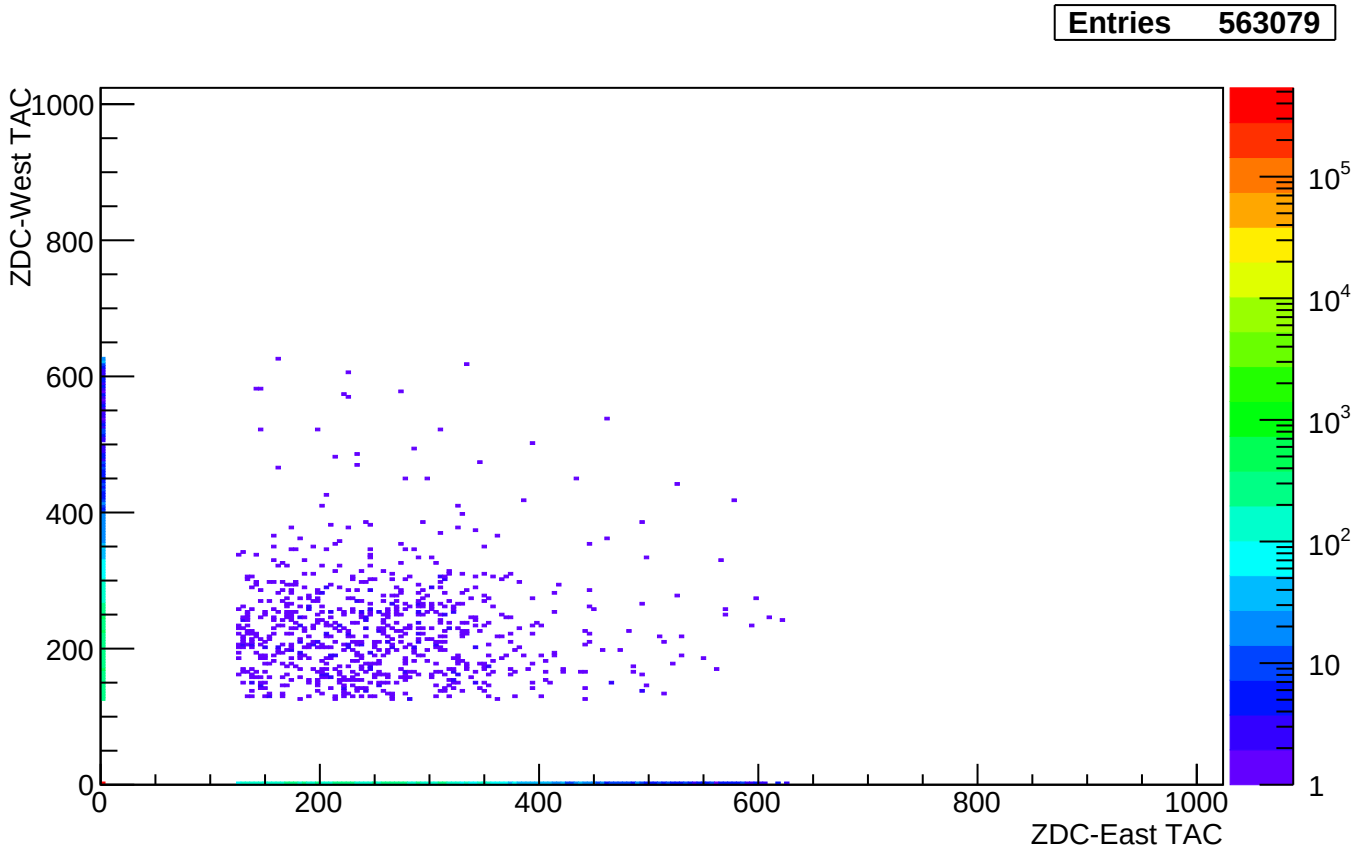

Entries 563079
TOF_Mult
VPD-East ADC Sum

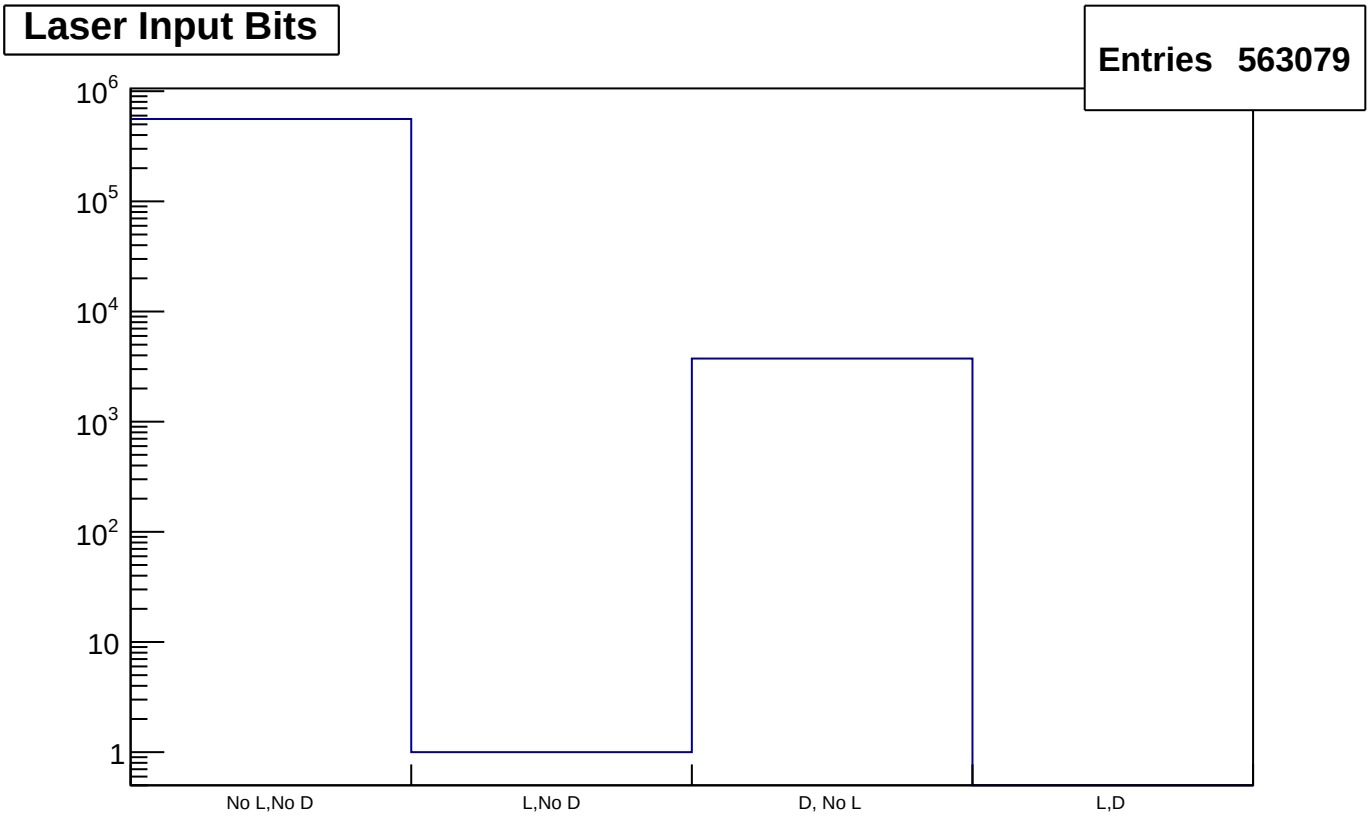

Entries 563079
TOF_Mult
VPD-West ADC Sum

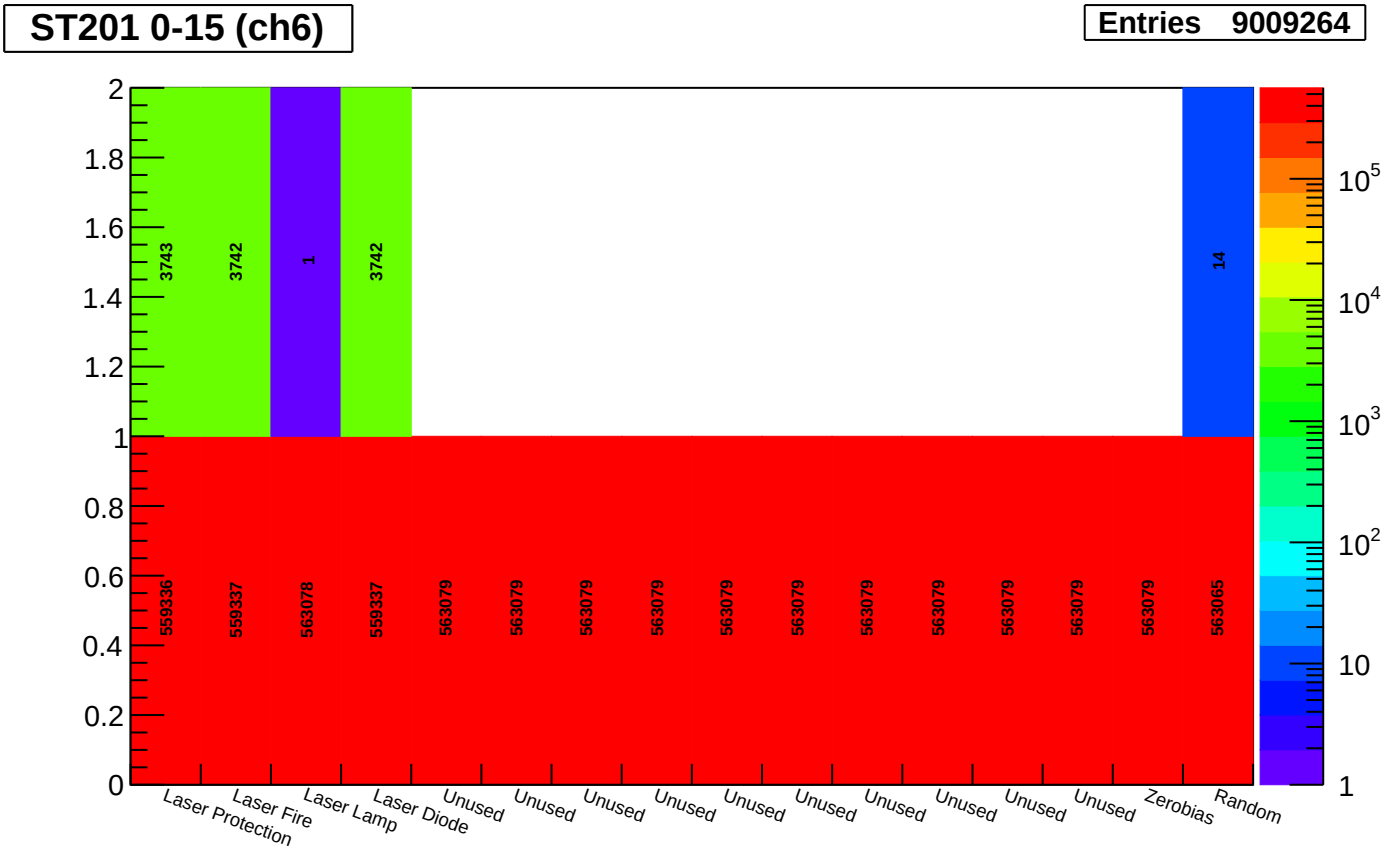

Entries 563079
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

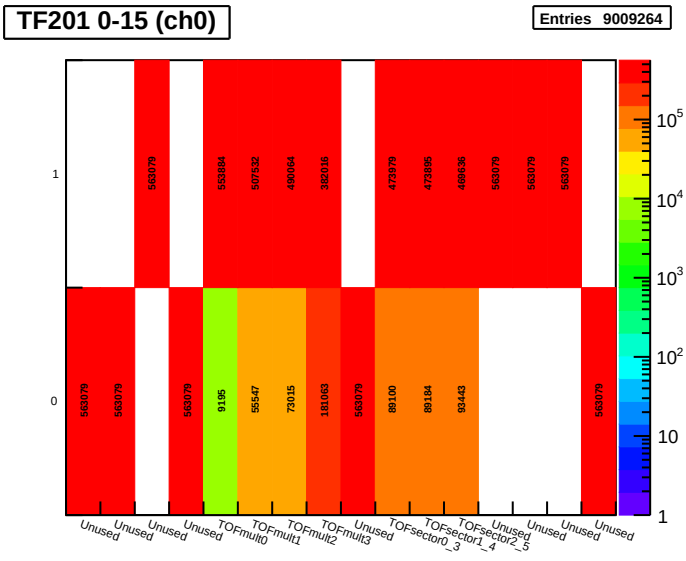

Entries 563079
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

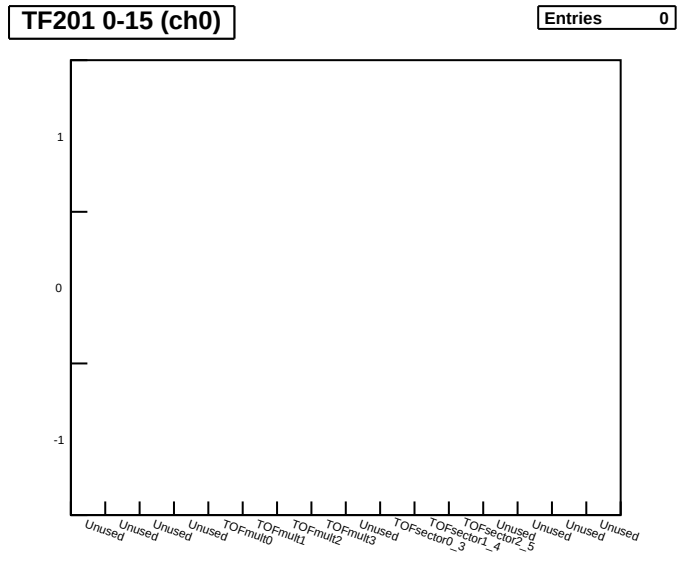

Entries 563079
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

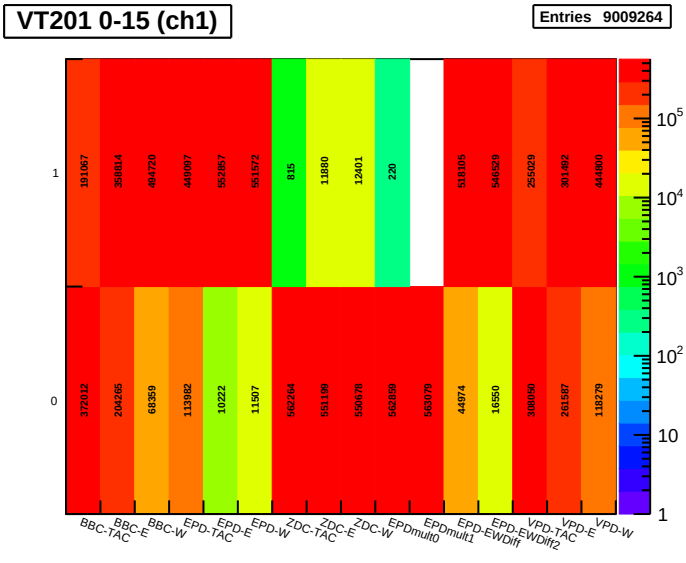

Entries 563079
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

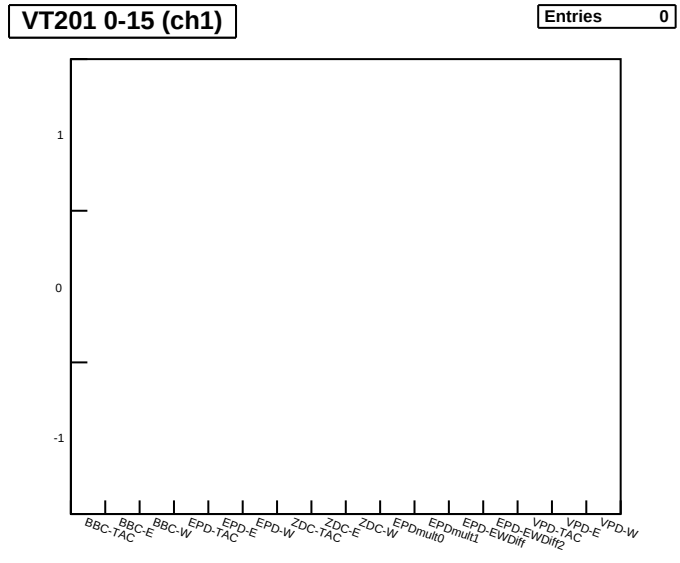

Laser Input Bits
Entries 563079
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

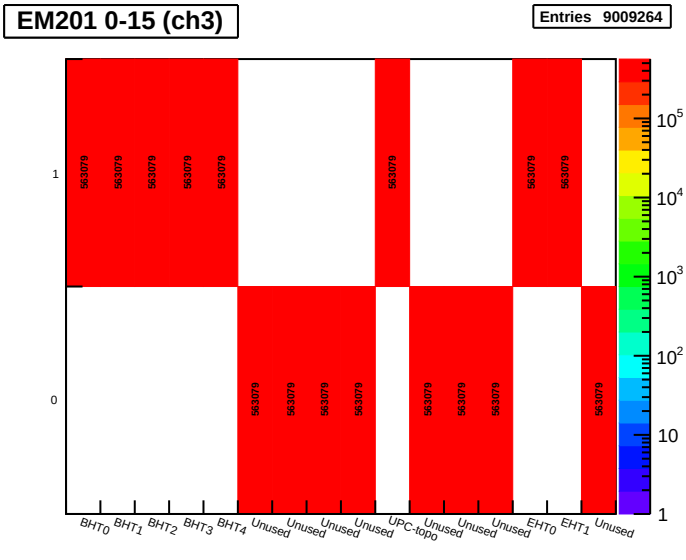

ST201 0-15 (ch6)
Entries 9009264
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3743
3742
1
3742
14
559336
559337
563078
559337
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563065
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

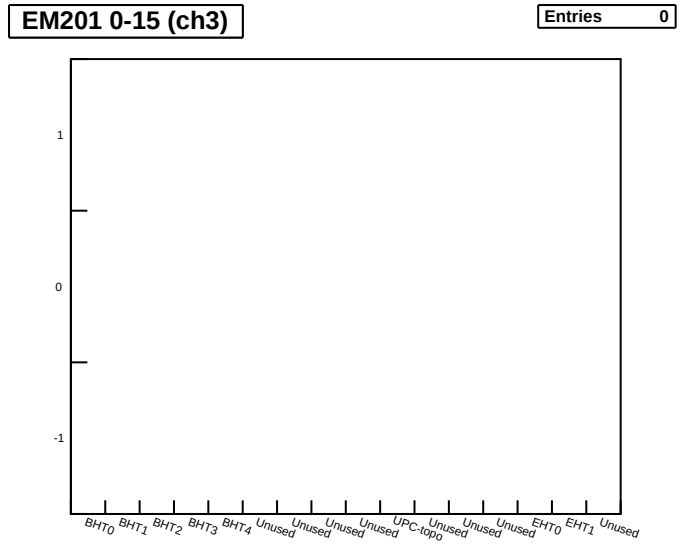

TF201 0-15 (ch0)
Entries 9009264
1
0
563079
553984
507532
490064
382016
473979
473895
469636
563079
563079
563079
563079
563079
91195
55547
73015
181063
563079
89100
89184
93443
563079
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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
Unused


VT201 0-15 (ch1)
Entries 9009264
1
0
191067
358814
494720
449097
552857
551572
815
11880
12401
220
518105
546529
255029
301492
444800
372012
204265
68359
113982
10222
11507
562264
551199
550678
562859
563079
44974
16560
308050
261587
118279
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 9009264
1
0
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
563079
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