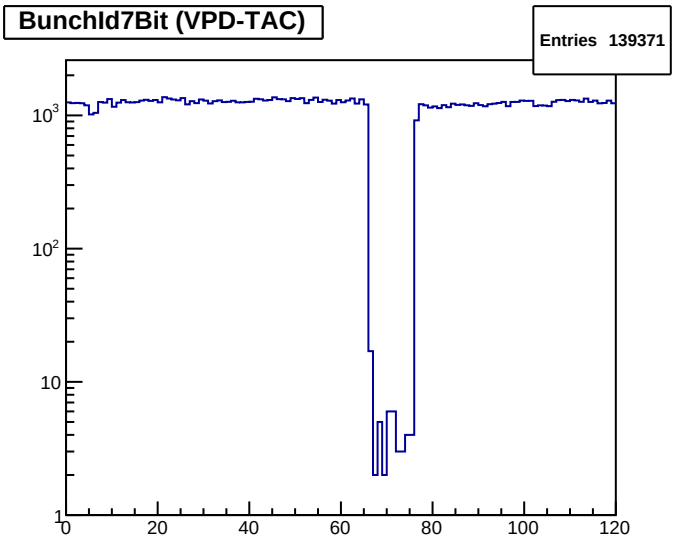
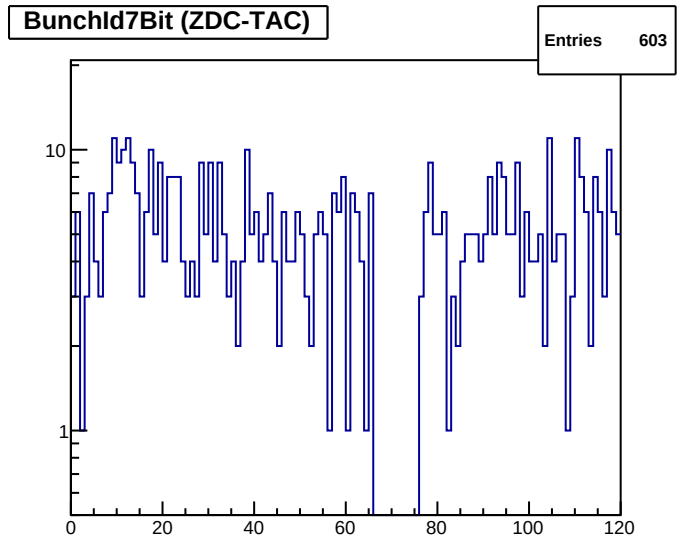
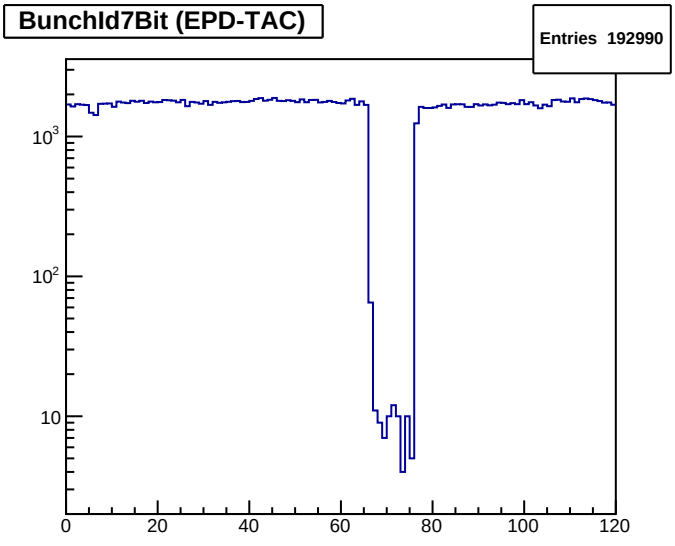
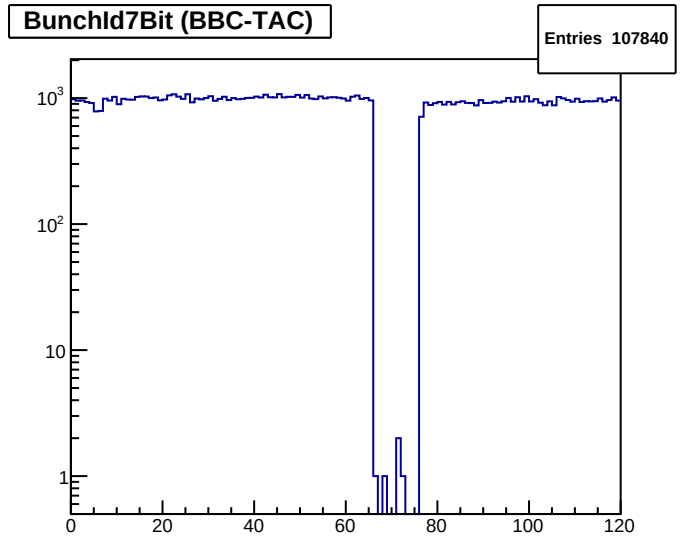
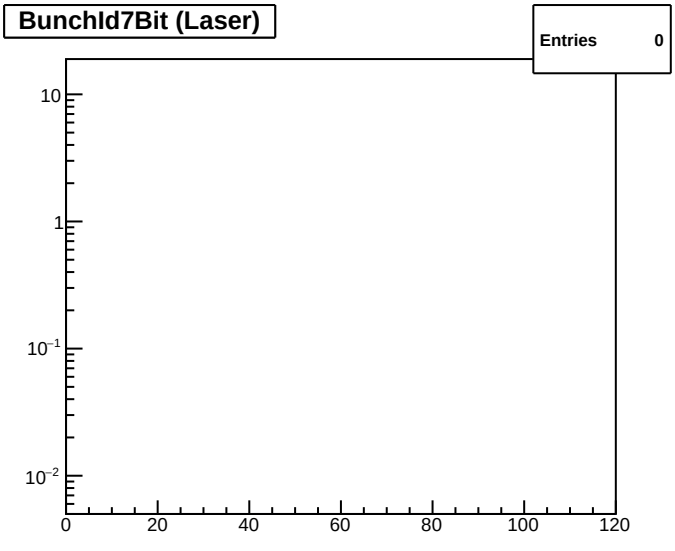
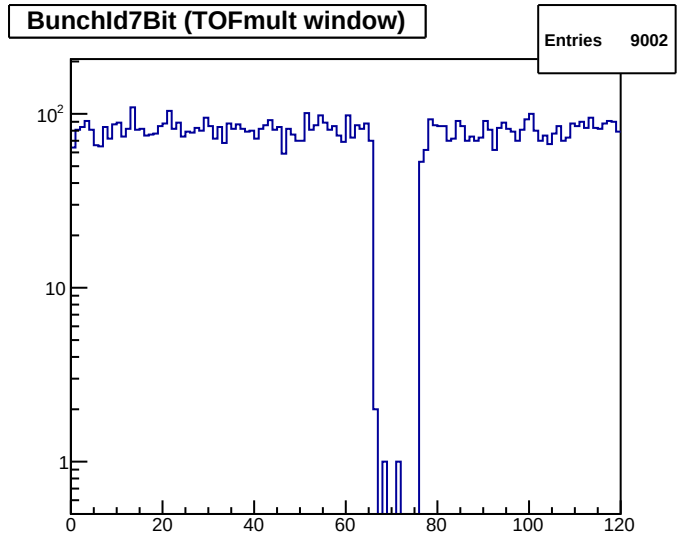

BunchId7Bit (VPD-TAC)
Entries 139371

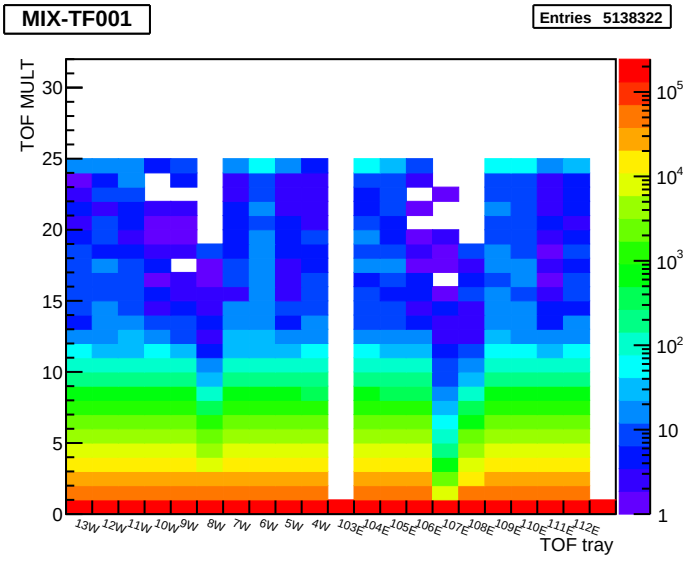

BunchId7Bit (ZDC-TAC)
Entries 603

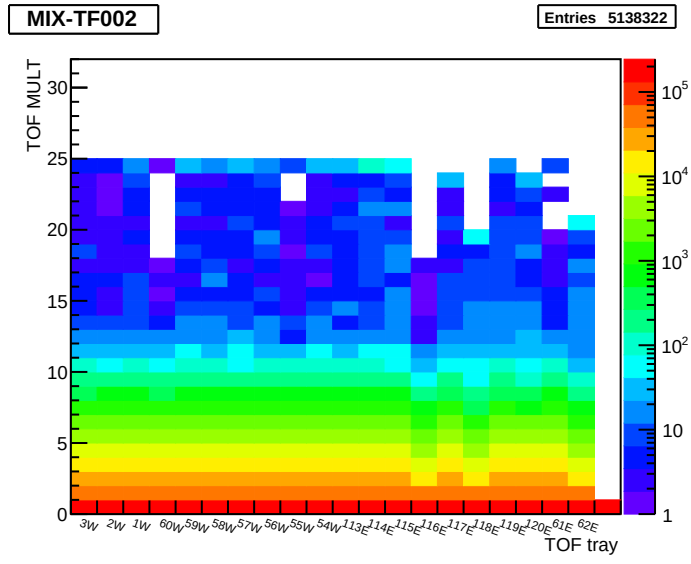

BunchId7Bit (EPD-TAC)
Entries 192990

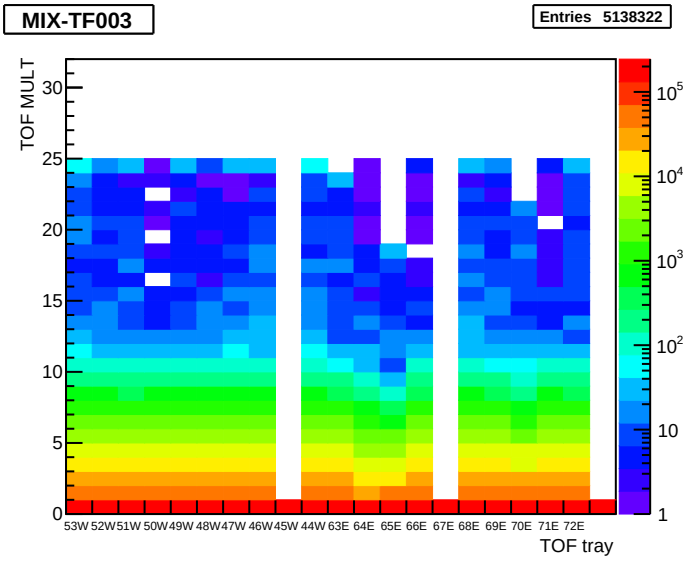

BunchId7Bit (BBC-TAC)
Entries 107840

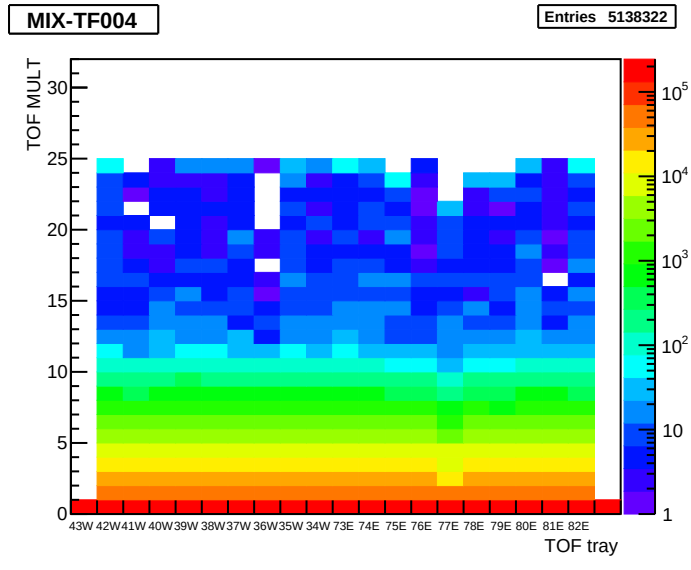

BunchId7Bit (Laser)
Entries 0

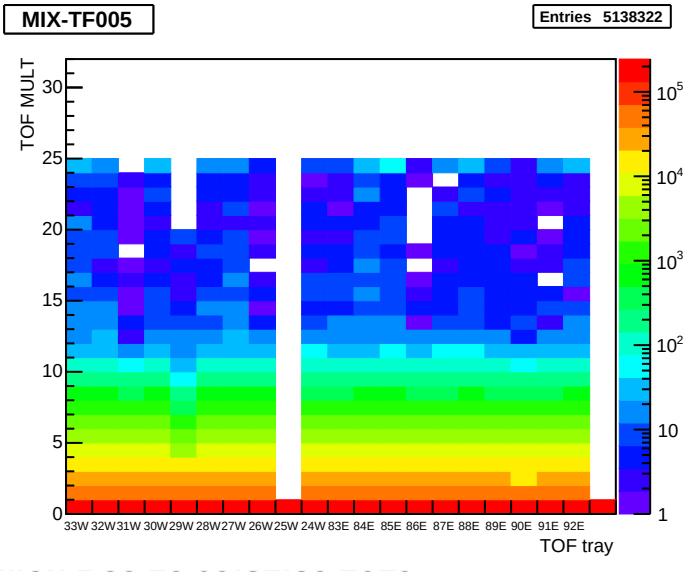

BunchId7Bit (TOFmult window)
Entries 9002

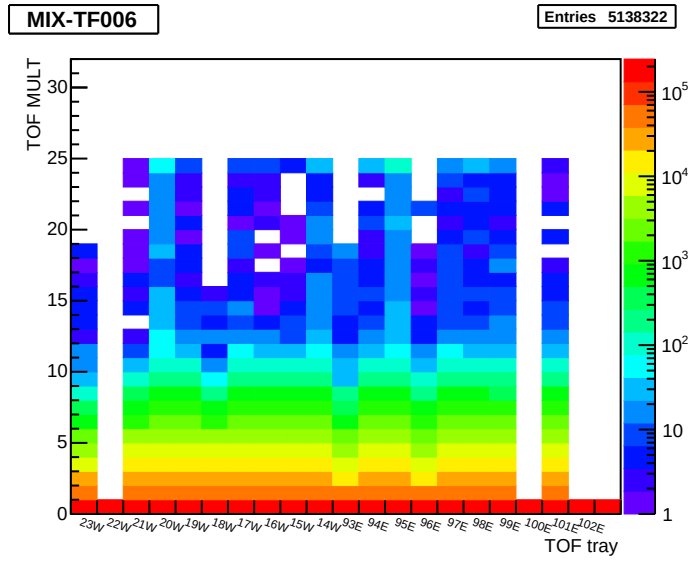

MIX-TF001
Entries 5138322
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

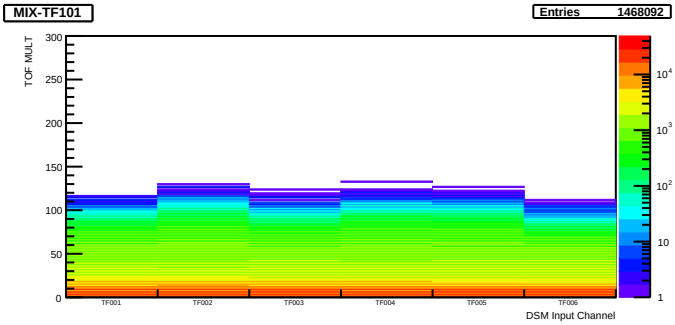

MIX-TF002
Entries 5138322
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

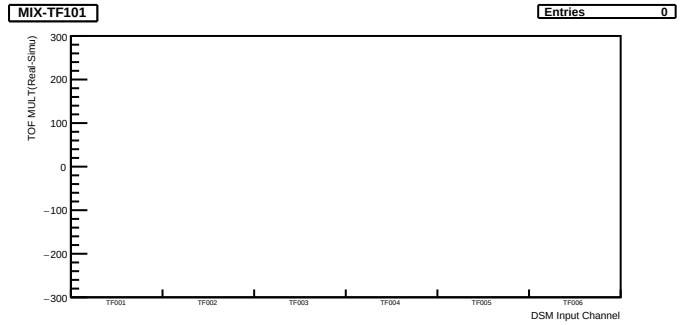

MIX-TF003
Entries 5138322
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

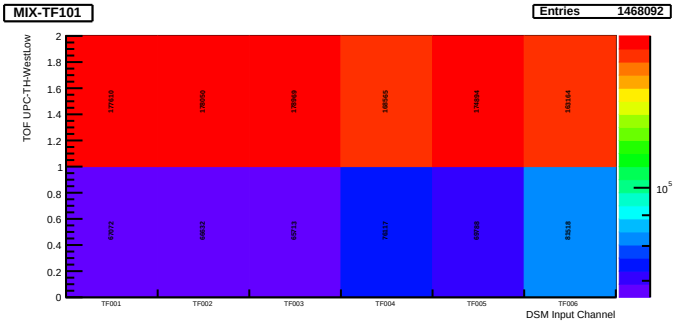

MIX-TF004
Entries 5138322
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

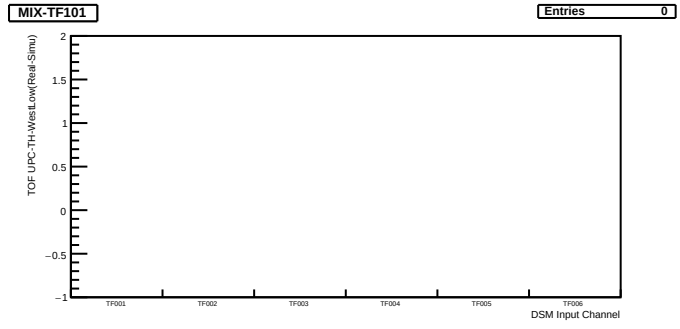

MIX-TF005
Entries 5138322
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

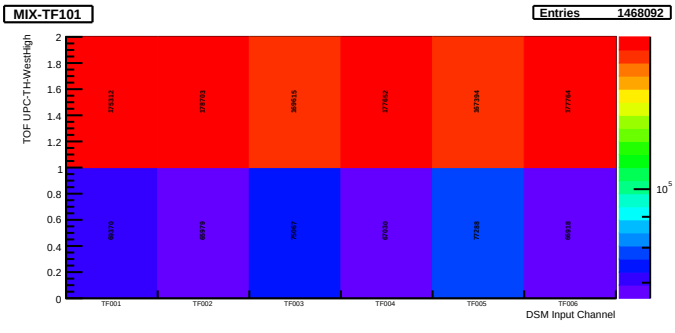

MIX-TF006
Entries 5138322
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

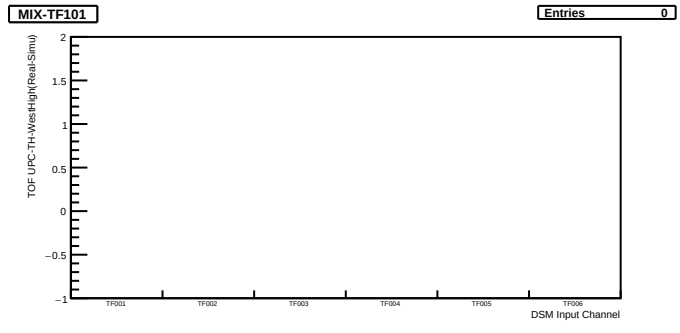

MIX-TF101
Entries 1468092
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

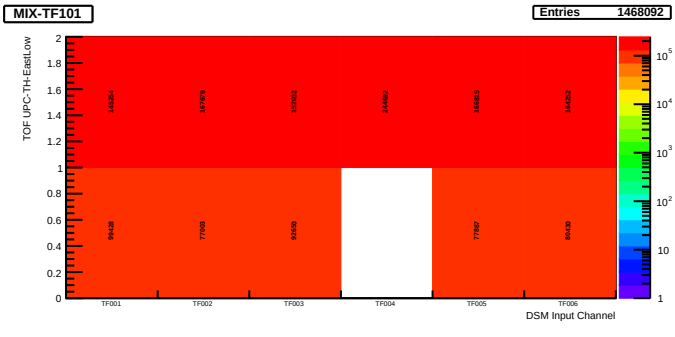

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

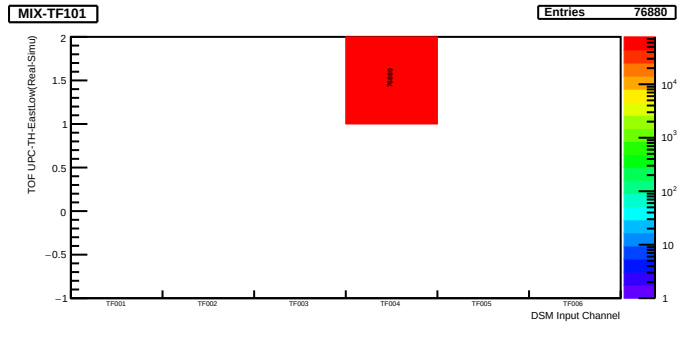

MIX-TF101
Entries 1468092
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

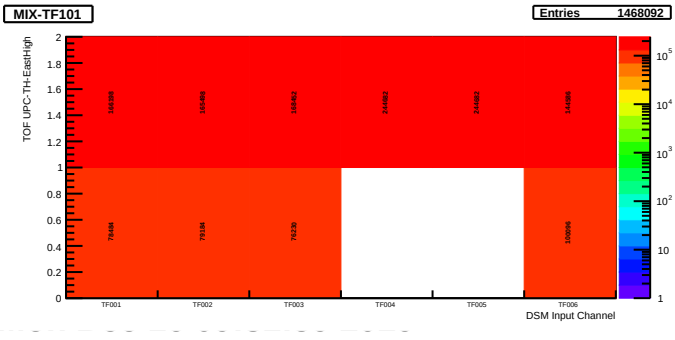

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

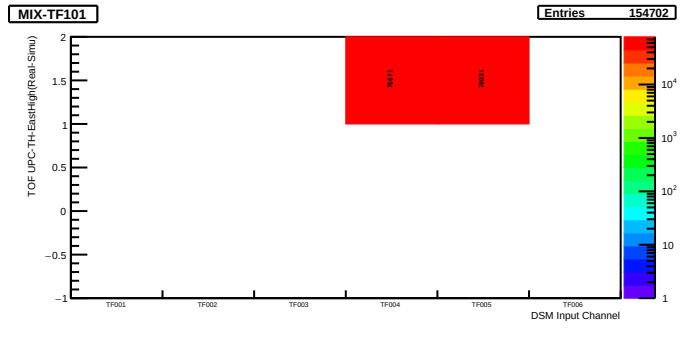

MIX-TF101
Entries 1468092
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

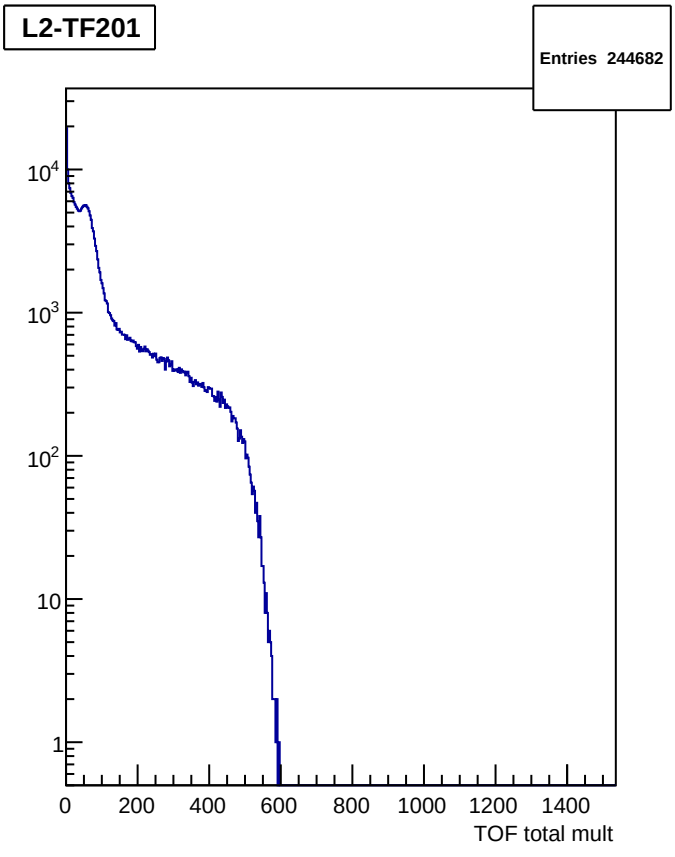

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

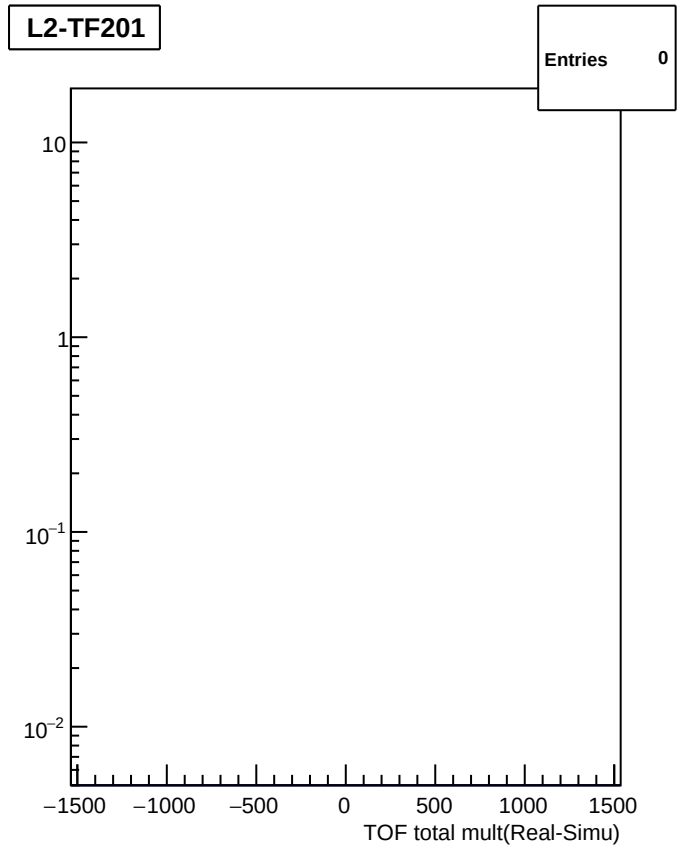

MIX-TF101
Entries 1468092
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

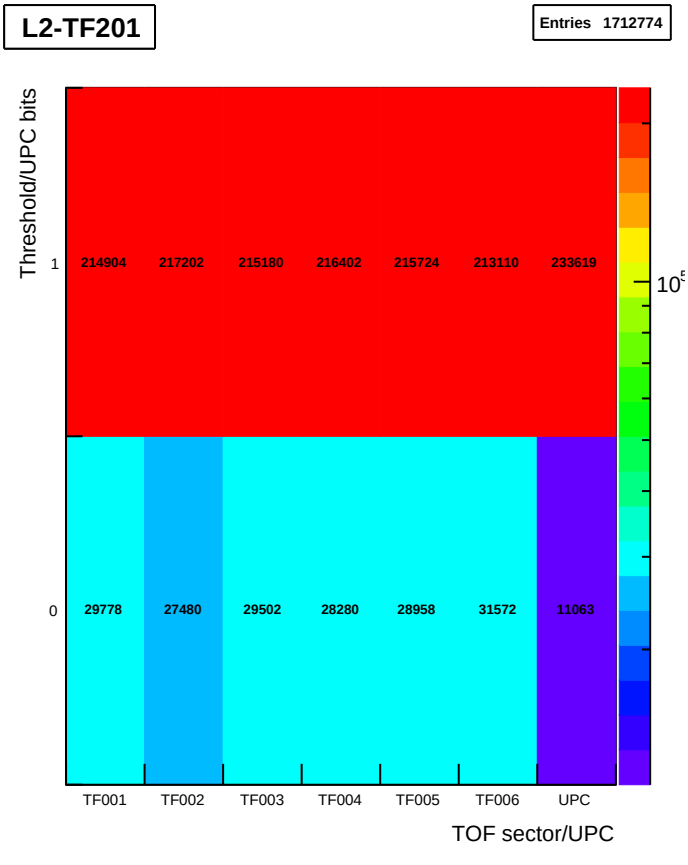

MIX-TF101
Entries 76880
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

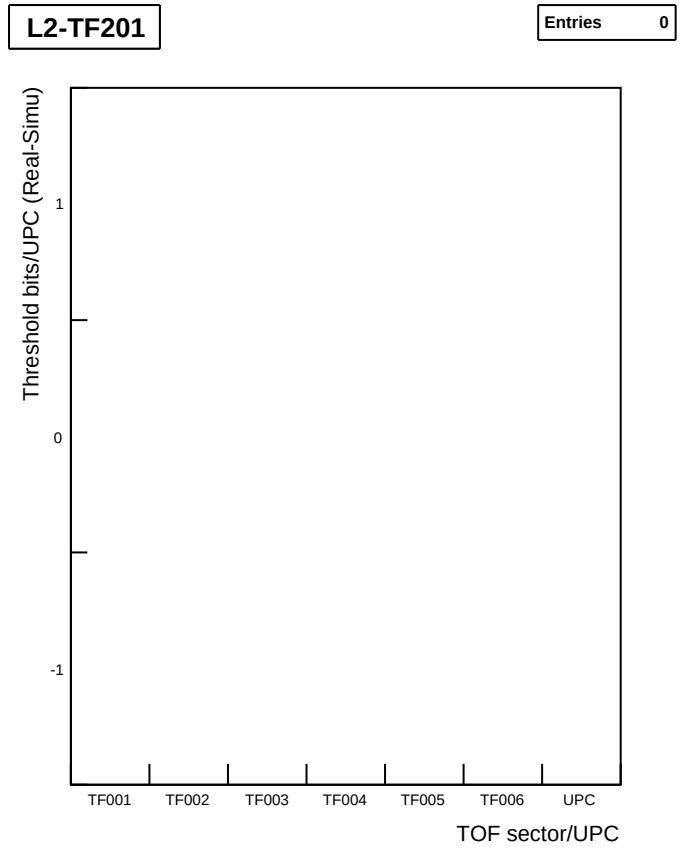

MIX-TF101
Entries 1468092
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

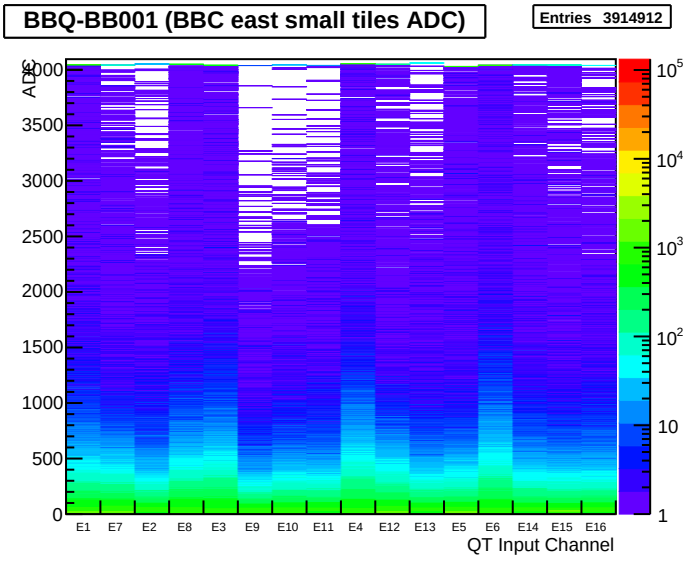

MIX-TF101
Entries 154702
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

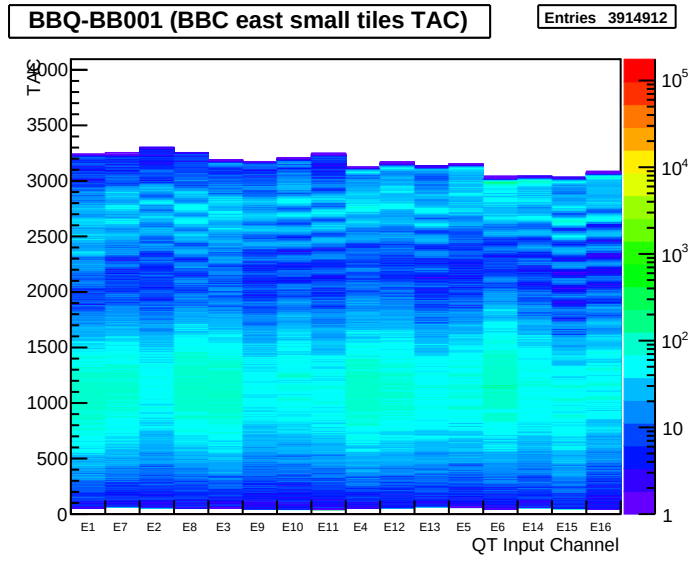

L2-TF201
Entries 244682
TOF total mult

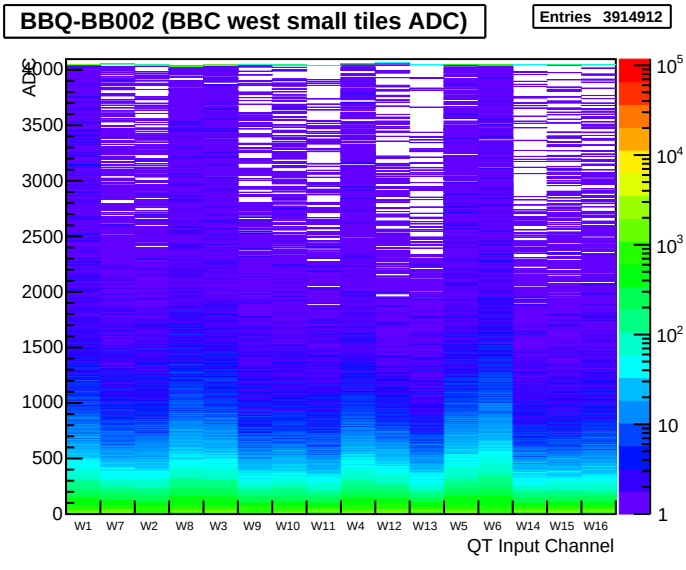

L2-TF201
Entries 0
TOF total mult(Real-Simu)

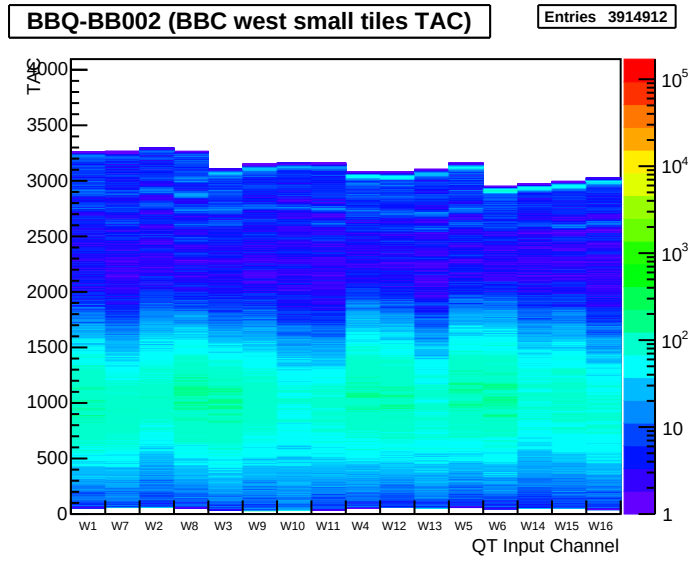

L2-TF201
Entries 1712774
Threshold/UPC bits
214904
217202
215180
216402
215724
213110
233619
29778
27480
29502
28280
28958
31572
11063
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

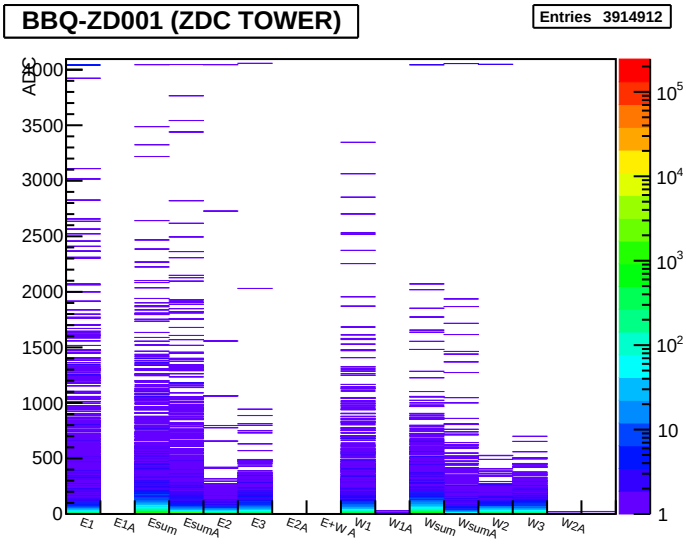

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

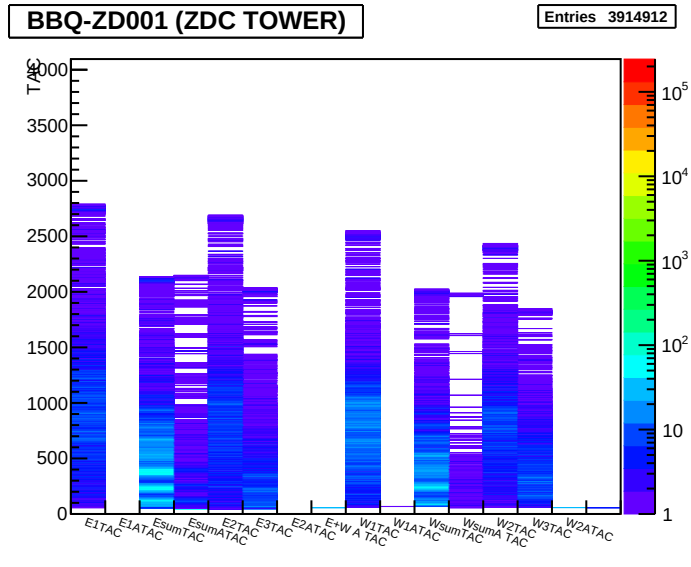

BBQ-BB001 (BBC east small tiles ADC)
Entries 3914912
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

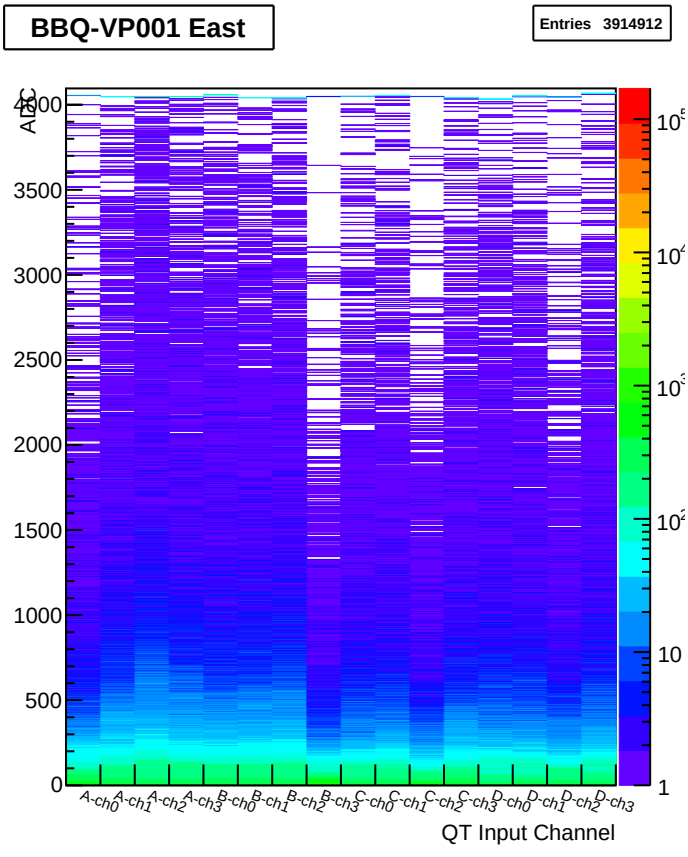

BBQ-BB001 (BBC east small tiles TAC)
Entries 3914912
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

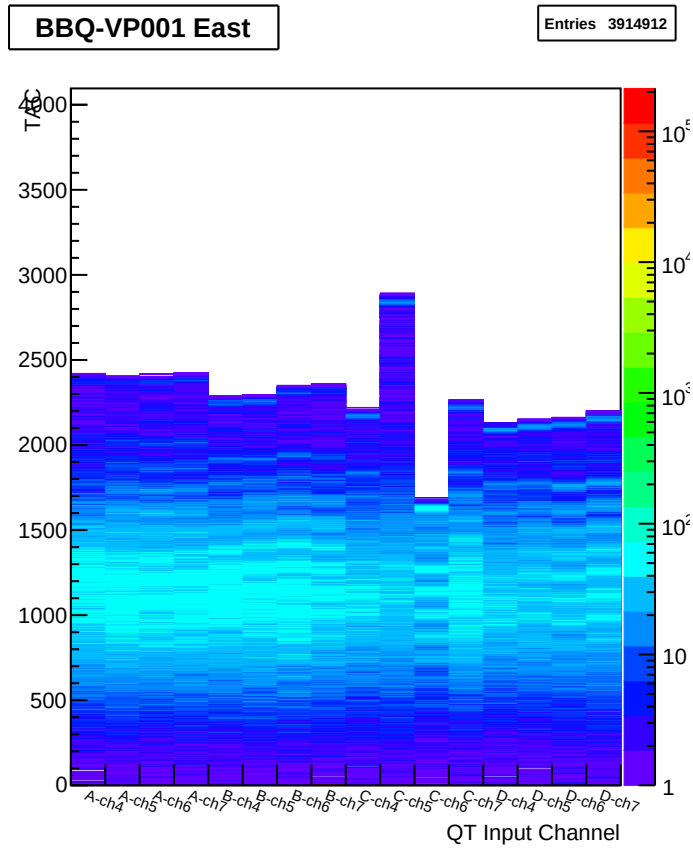

BBQ-BB002 (BBC west small tiles ADC)
Entries 3914912
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

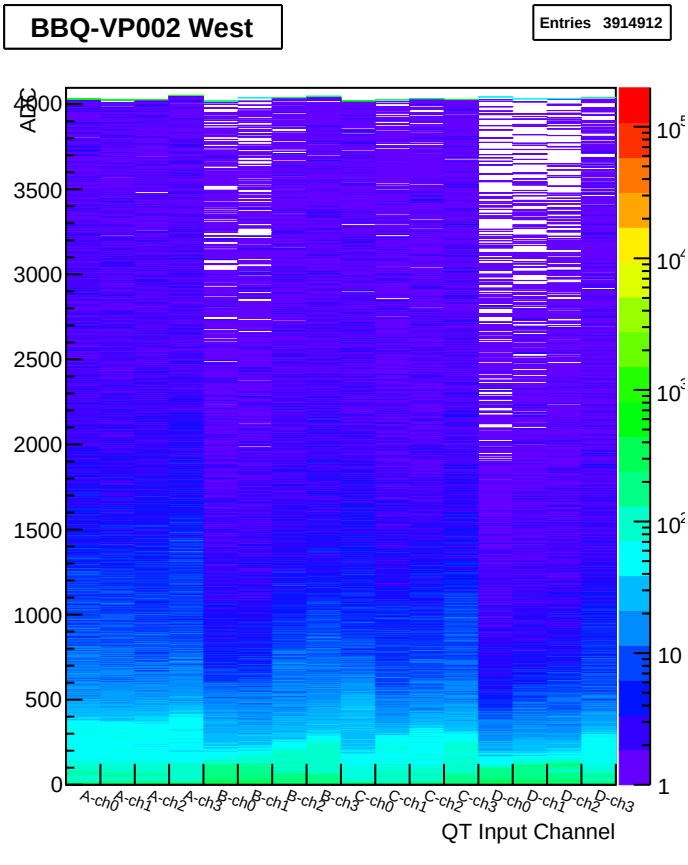

BBQ-BB002 (BBC west small tiles TAC)
Entries 3914912
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

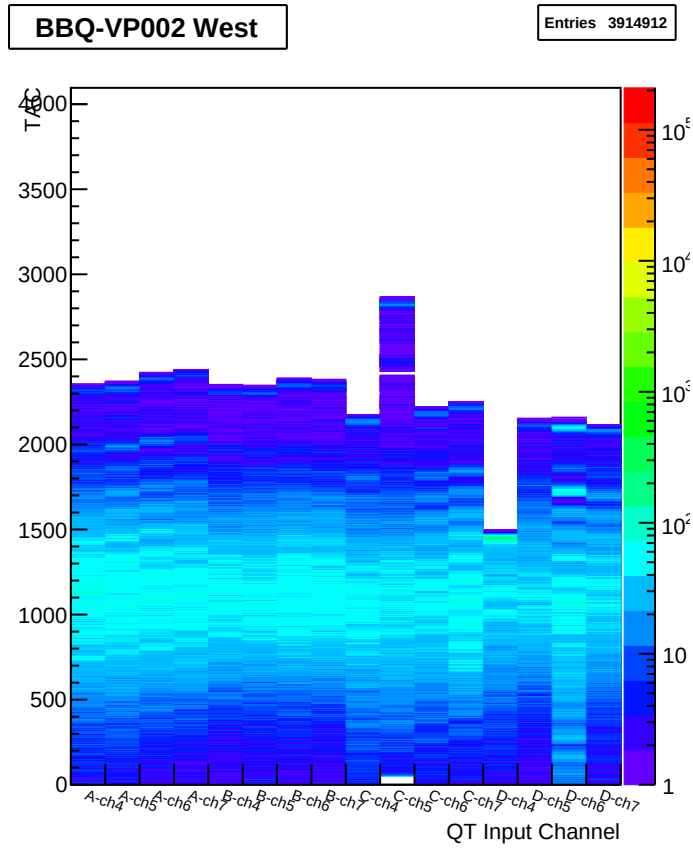

BBQ-ZD001 (ZDC TOWER)
Entries 3914912
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

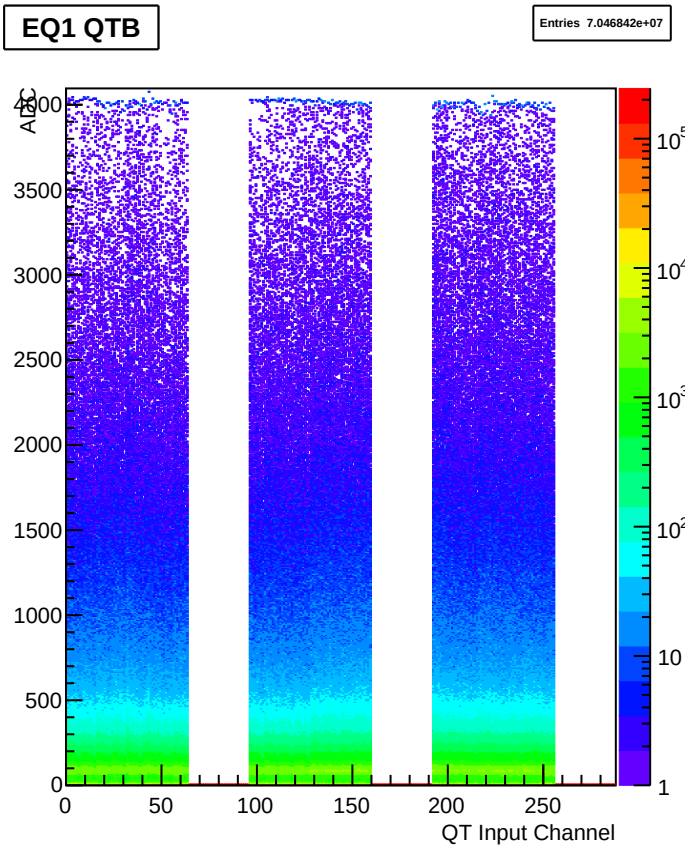

BBQ-ZD001 (ZDC TOWER)
Entries 3914912
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

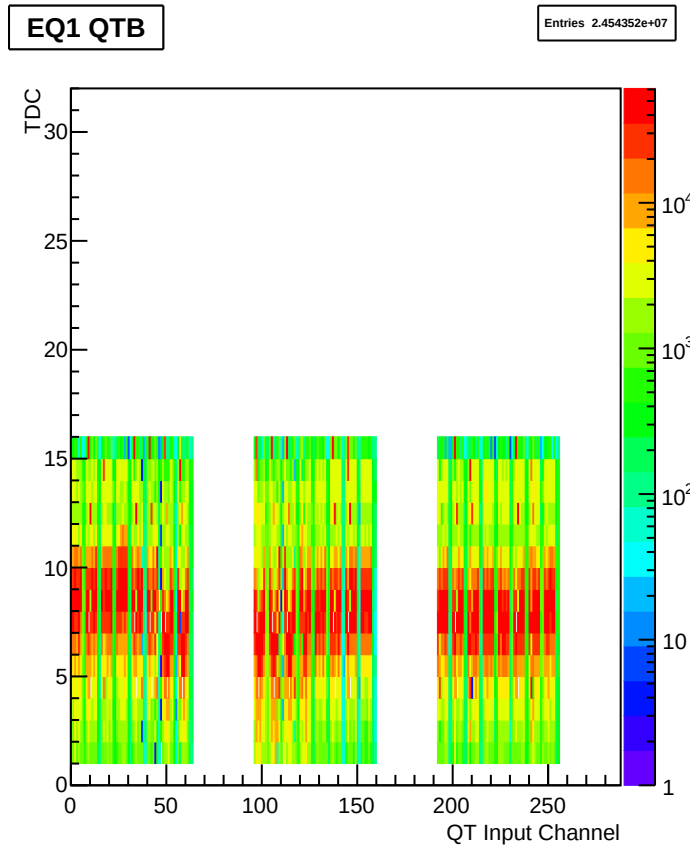

BBQ-VP001 East
Entries 3914912
ADC
QT Input Channel

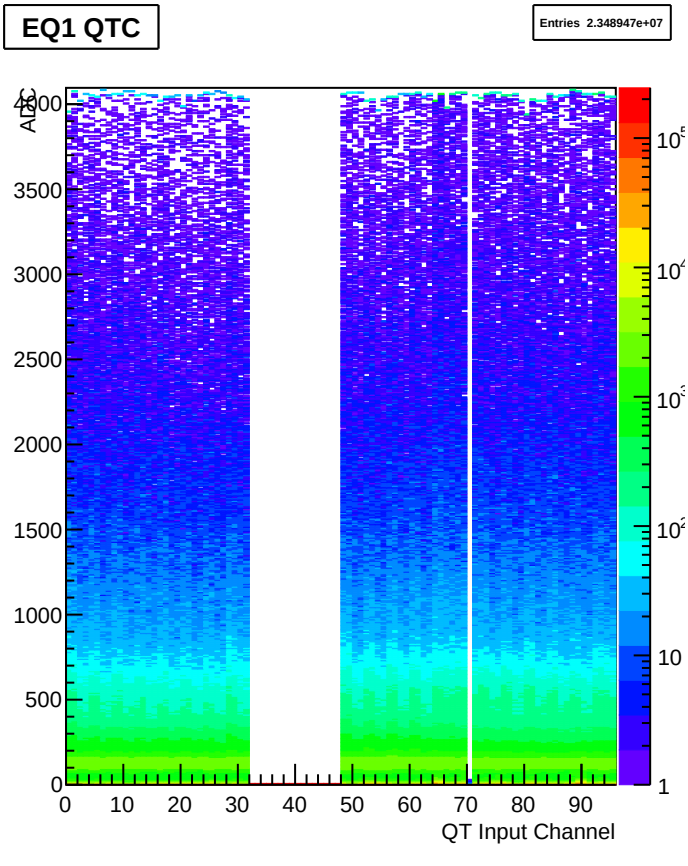

BBQ-VP001 East
Entries 3914912
TADC
QT Input Channel

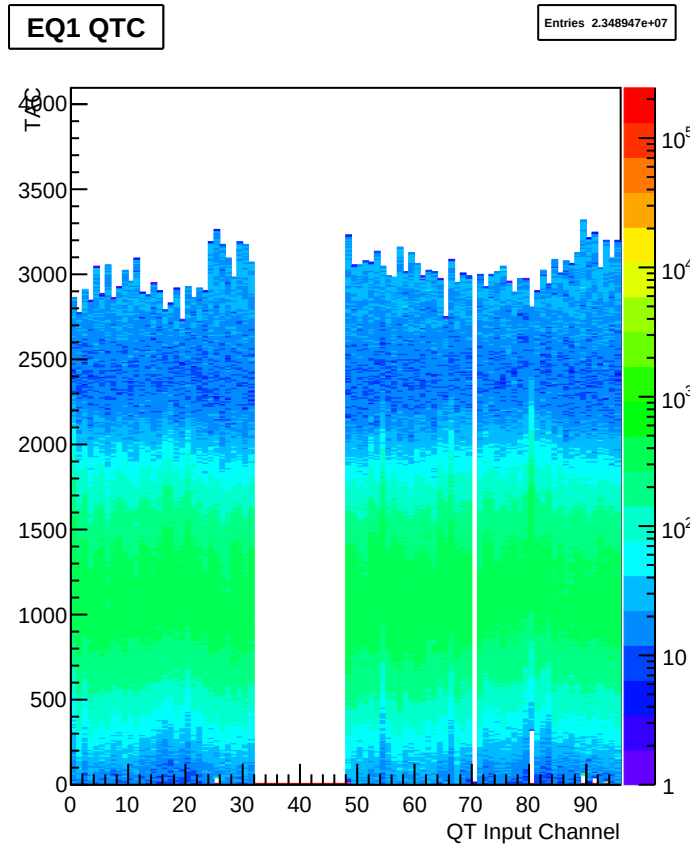

BBQ-VP002 West
Entries 3914912
ADC
QT Input Channel

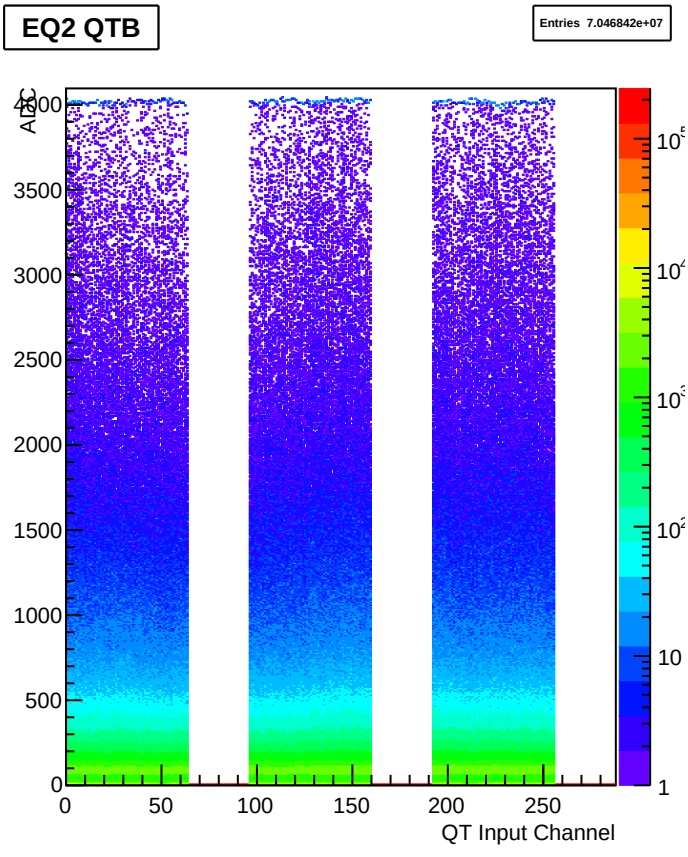

BBQ-VP002 West
Entries 3914912
TADC
QT Input Channel

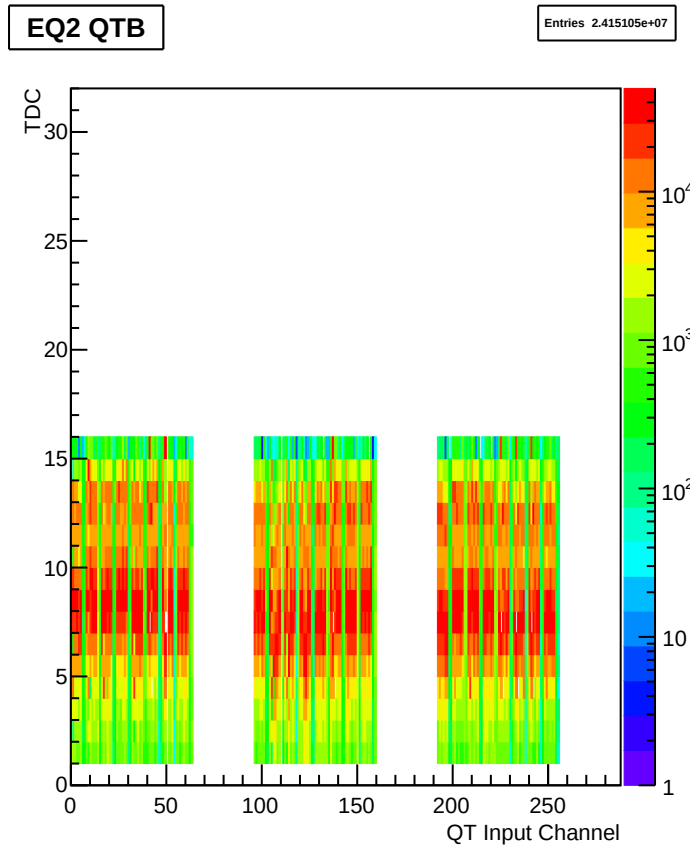

EQ1 QTB
Entries 7.046842e+07
ADC
QT Input Channel

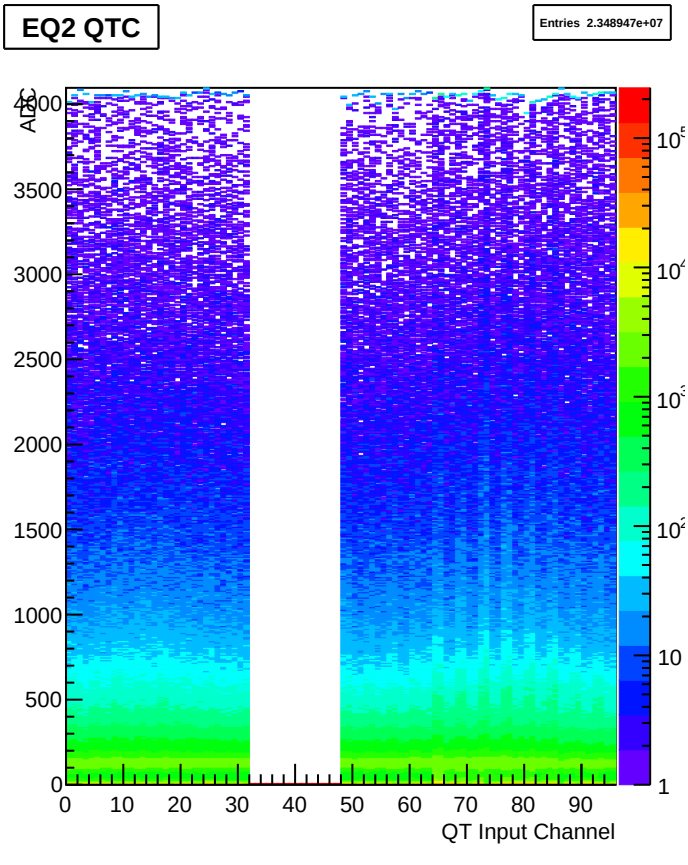

EQ1 QTB
Entries 2.454352e+07
TDC
QT Input Channel

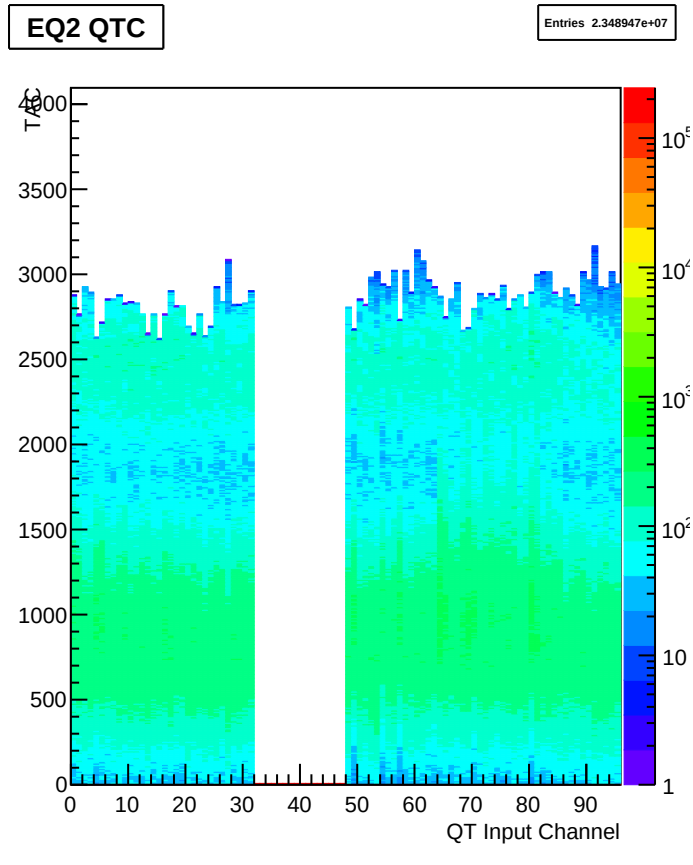

EQ1 QTC
Entries 2.348947e+07
ADC
QT Input Channel

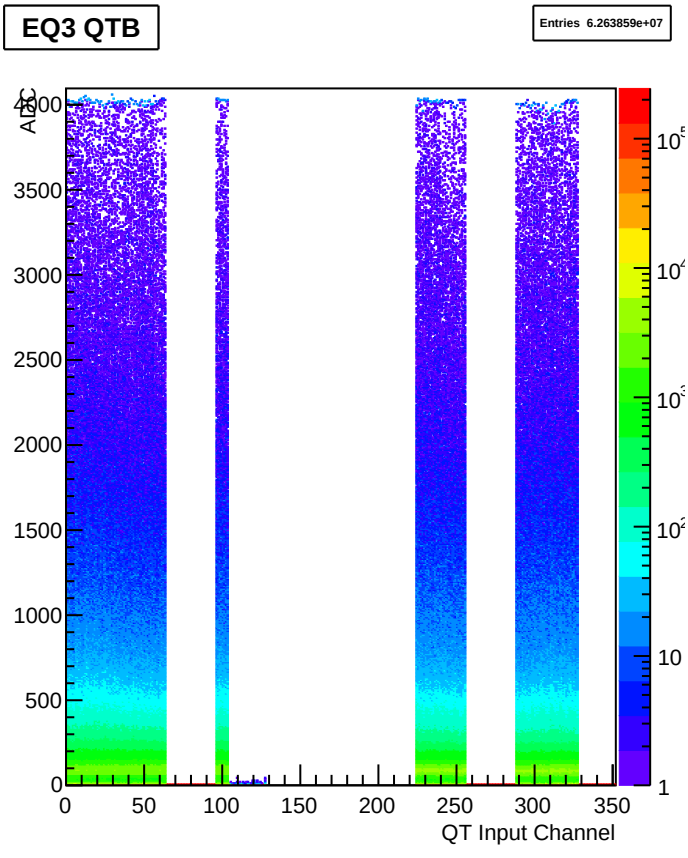

EQ1 QTC
Entries 2.348947e+07
TADC
QT Input Channel

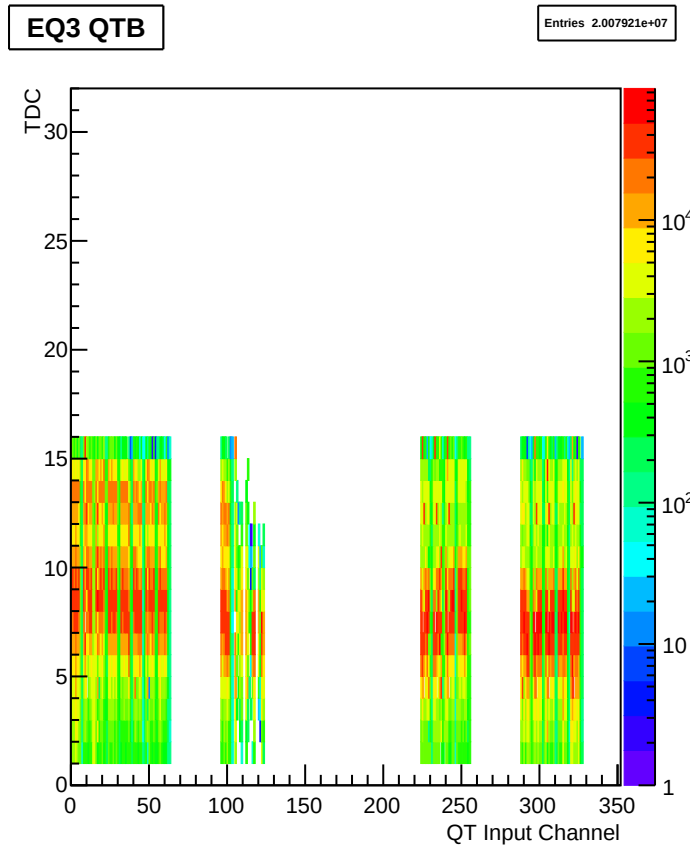

EQ2 QTB
Entries 7.046842e+07
ADC
QT Input Channel

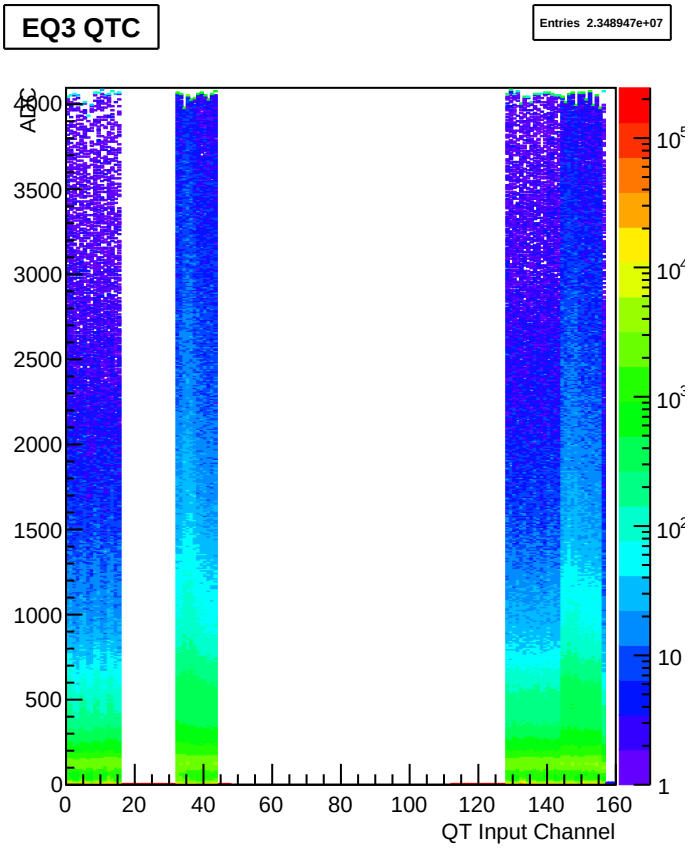

EQ2 QTB
Entries 2.415105e+07
TDC
QT Input Channel

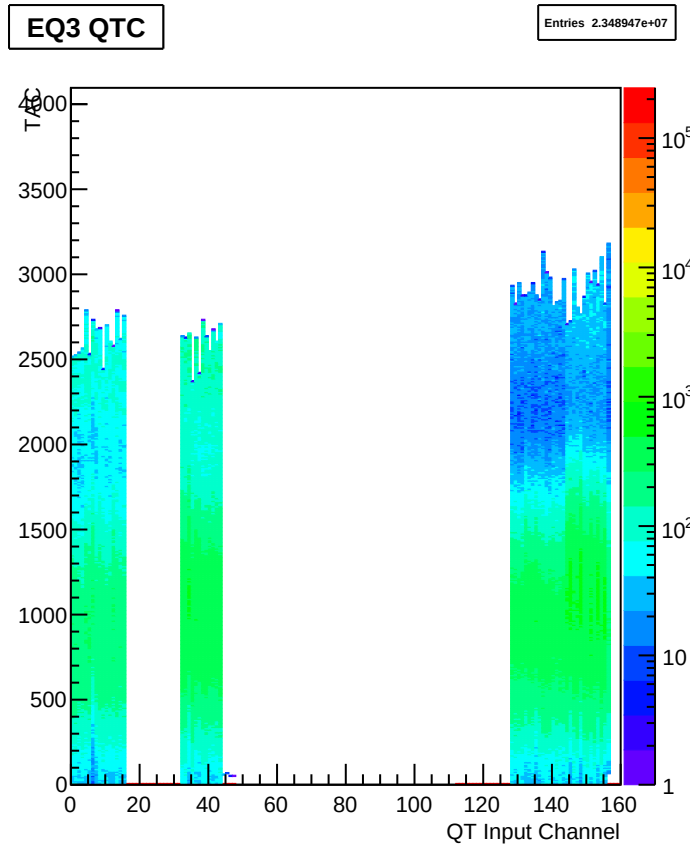

EQ2 QTC
Entries 2.348947e+07
ADC
QT Input Channel

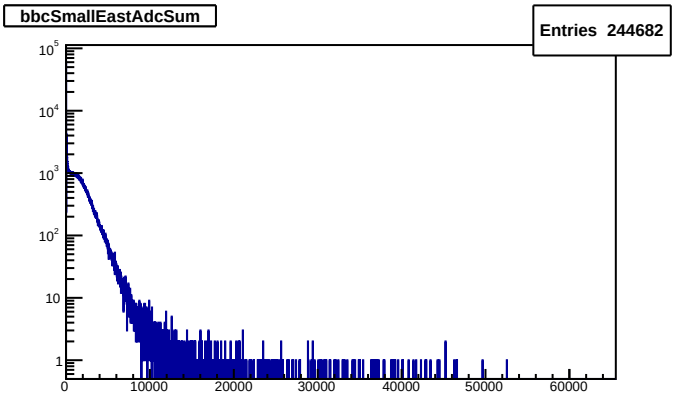

EQ2 QTC
Entries 2.348947e+07
TADC
QT Input Channel

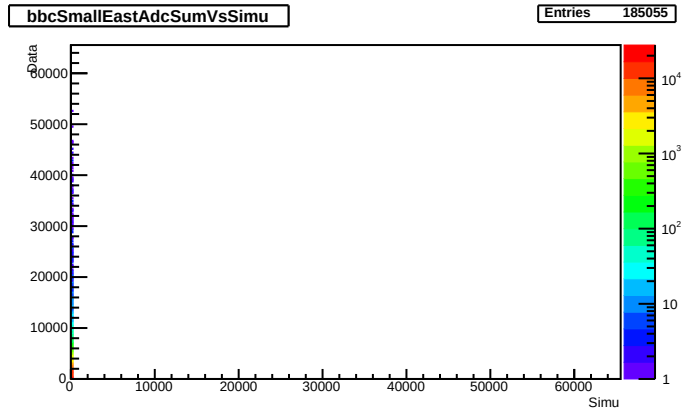

EQ3 QTB
Entries 6.263859e+07
ADC
QT Input Channel

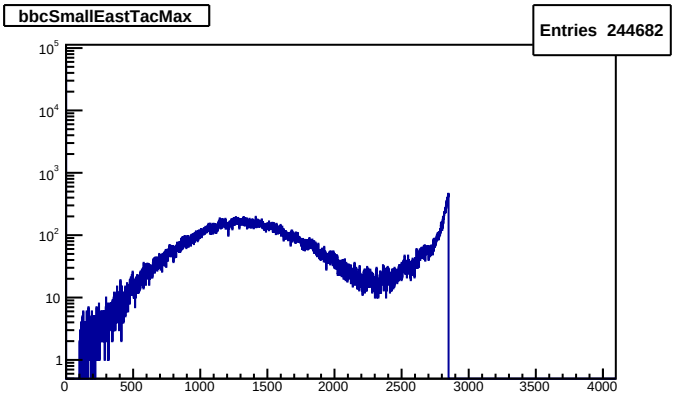

EQ3 QTB
Entries 2.007921e+07
TDC
QT Input Channel

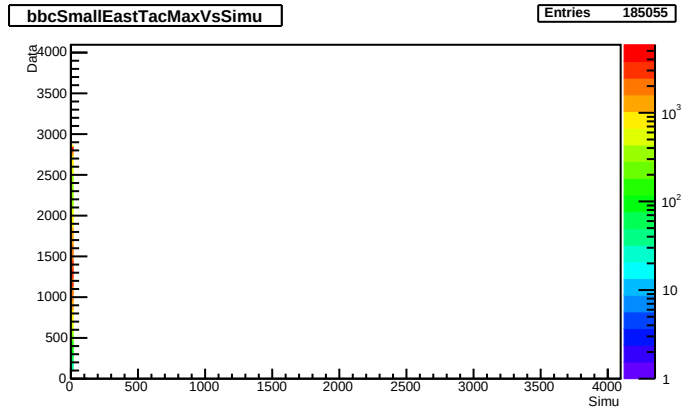

EQ3 QTC
Entries 2.348947e+07
ADC
QT Input Channel

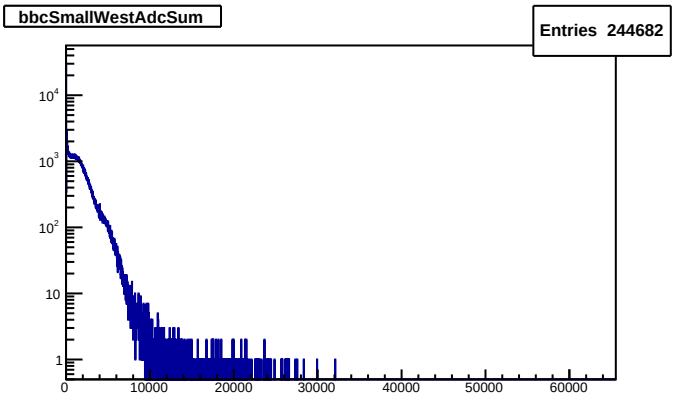

EQ3 QTC
Entries 2.348947e+07
TADC
QT Input Channel

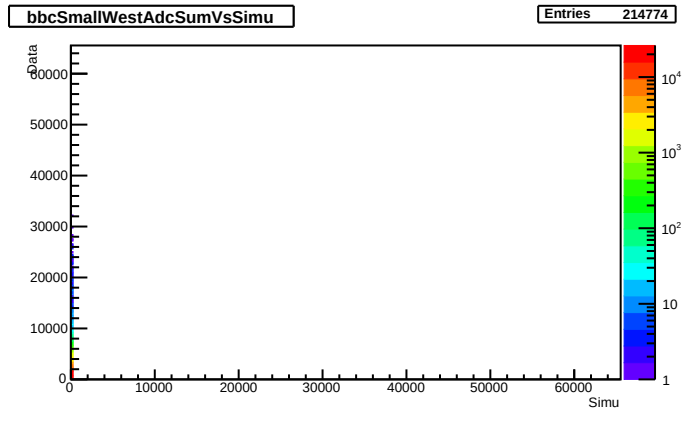

bbcSmallEastAdcSum
Entries 244682


bbcSmallEastAdcSumVsSimu
Entries 185055
Data
Simu


bbcSmallEastTacMax
Entries 244682


bbcSmallEastTacMaxVsSimu
Entries 185055
Data
Simu


bbcSmallWestAdcSum
Entries 244682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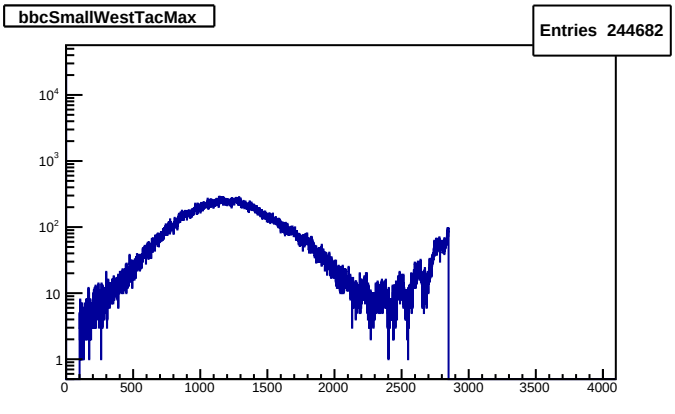
Entries 214774
Data
Simu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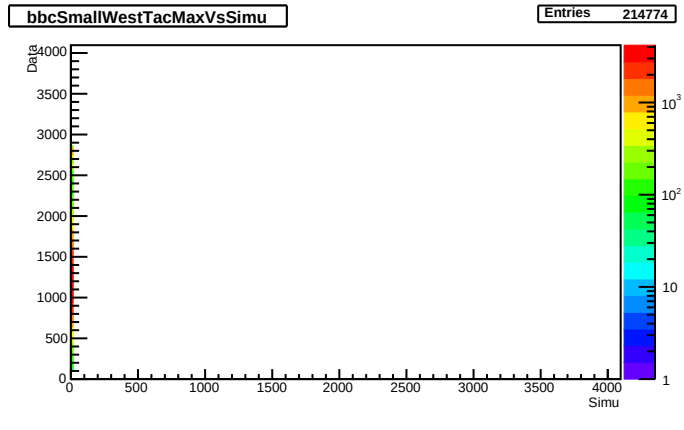
Entries 244682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Entries 214774
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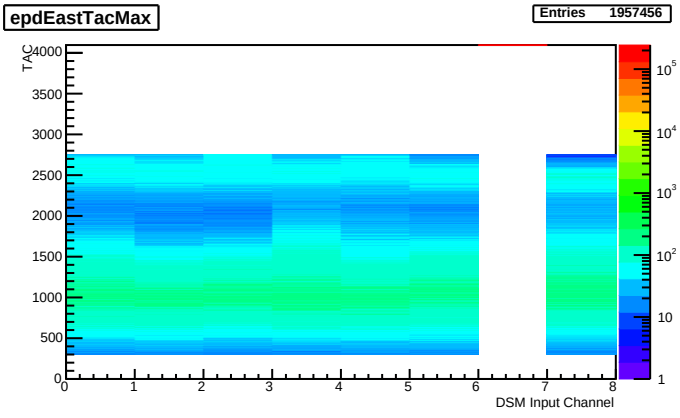
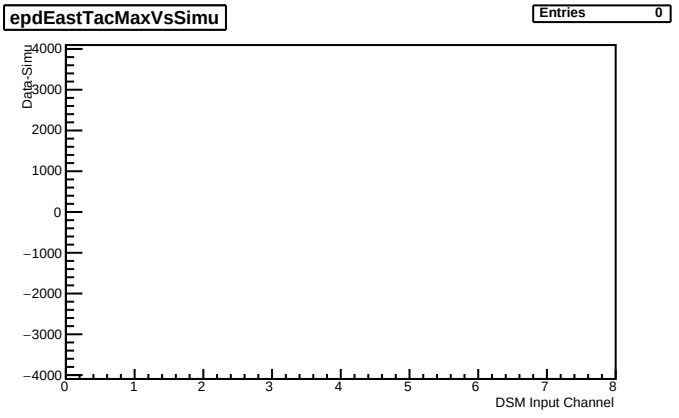
Simu


epdEastTacMax
Entries 1957456
TAC
DSM Input Channel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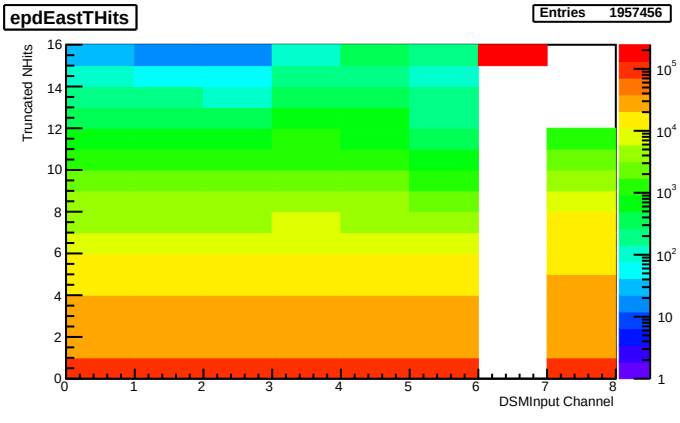
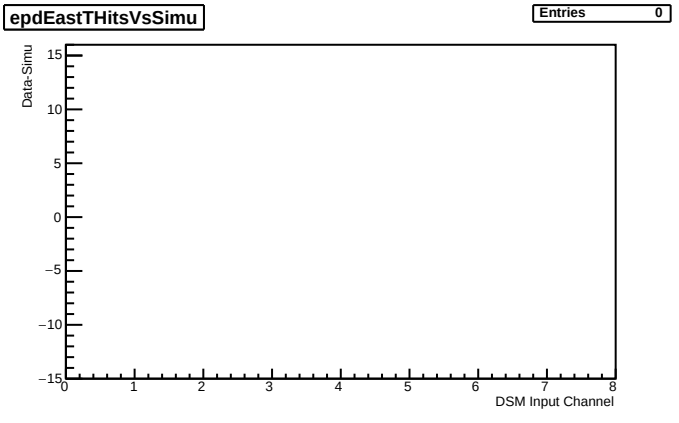
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1957456
Truncated NHits
DSMInput Channel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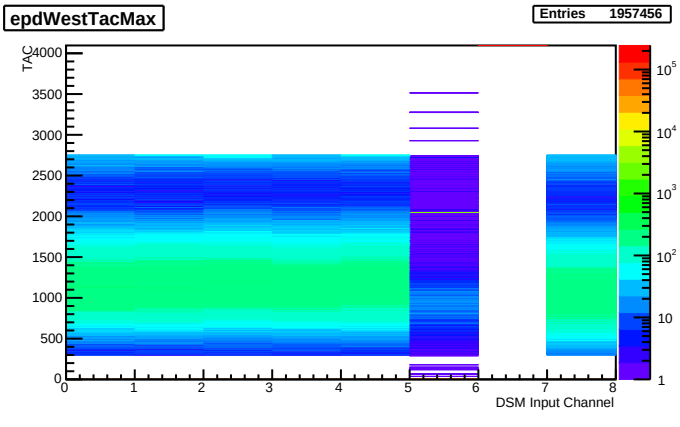
Data-Simu
DSM Input Channel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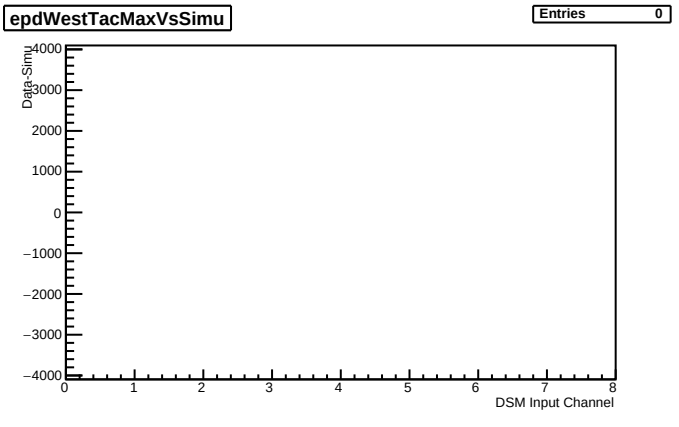
TAC
DSM Input Channel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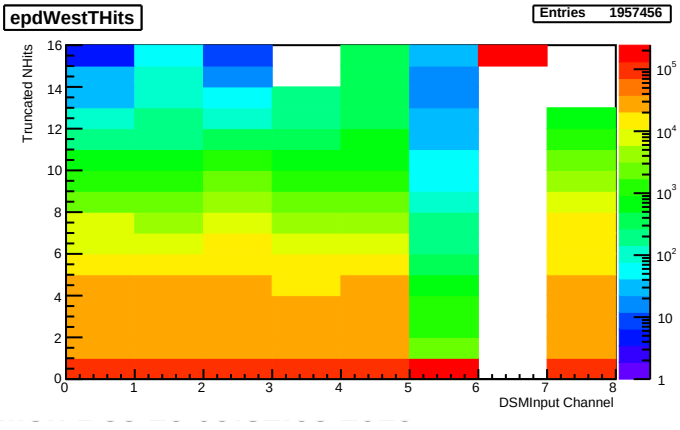
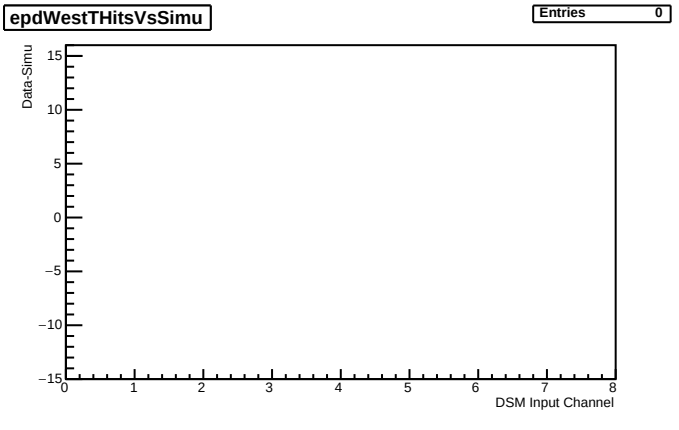
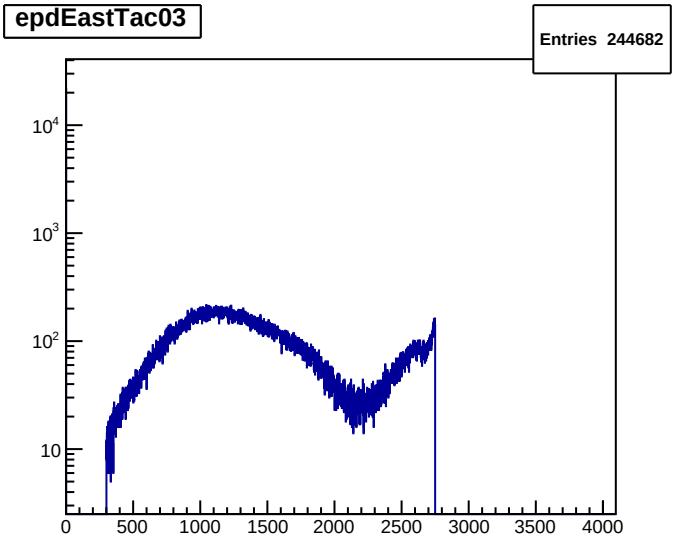
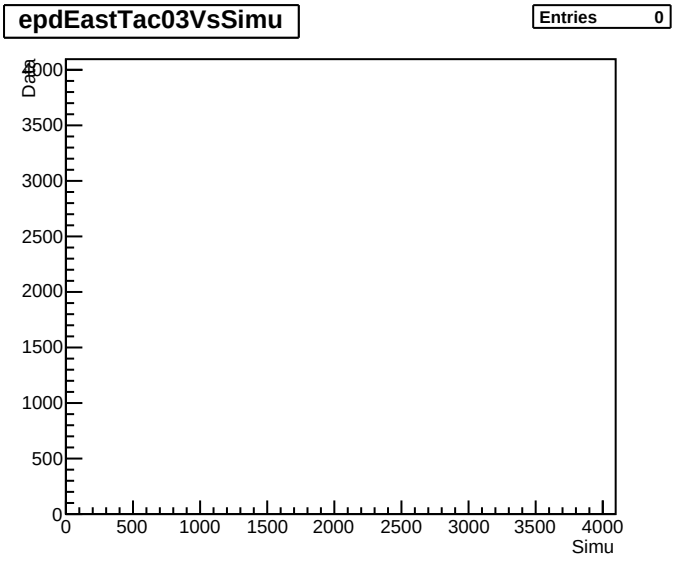
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1957456
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 244682
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
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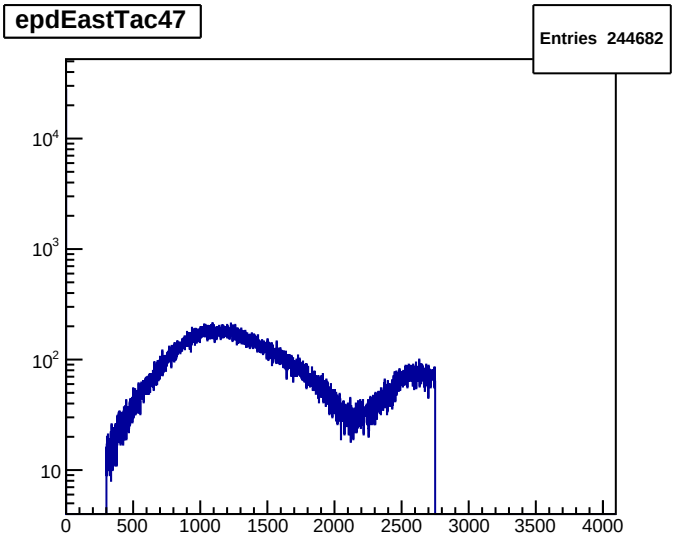
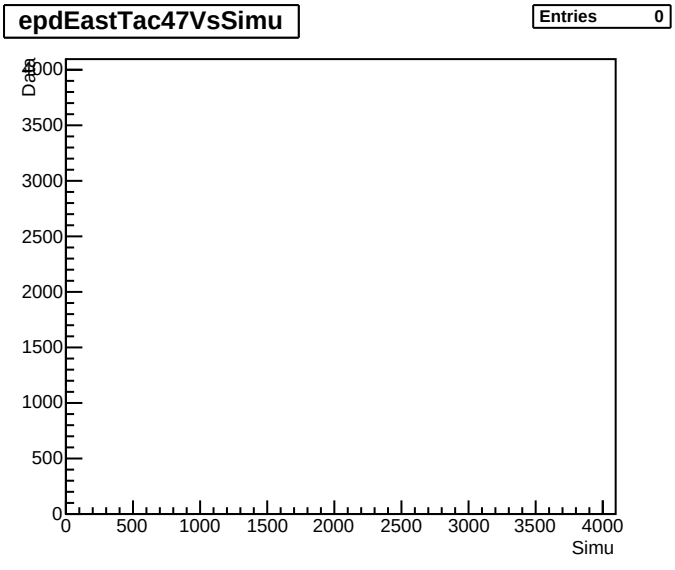
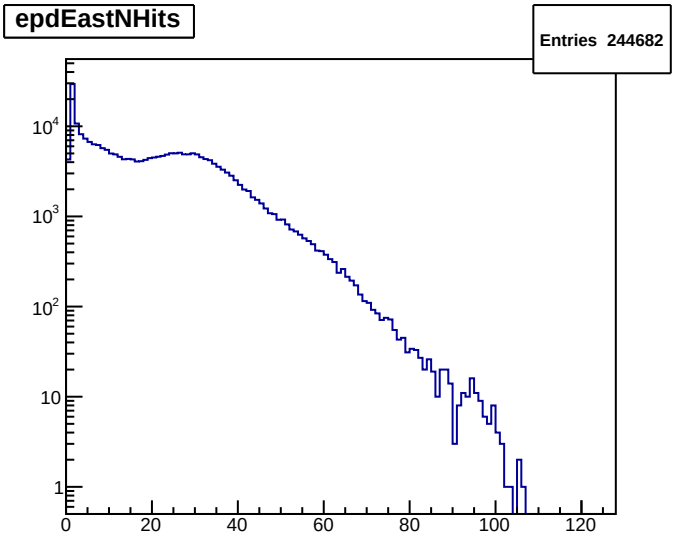
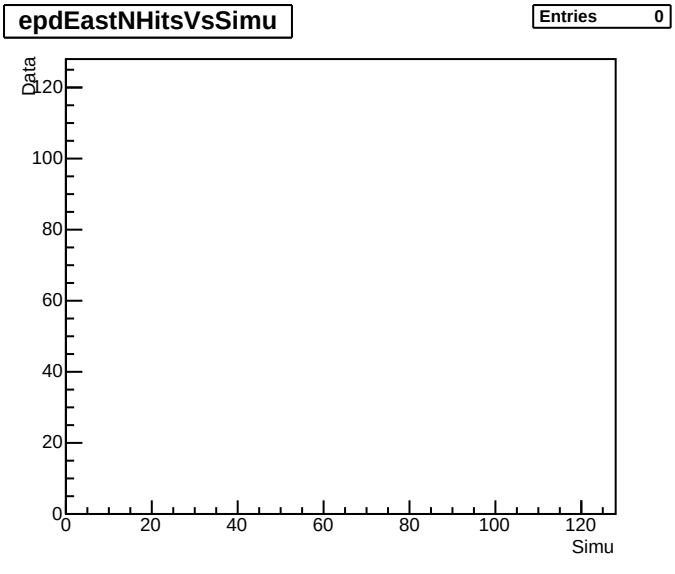
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 244682
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 244682
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120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Entries 0
Data
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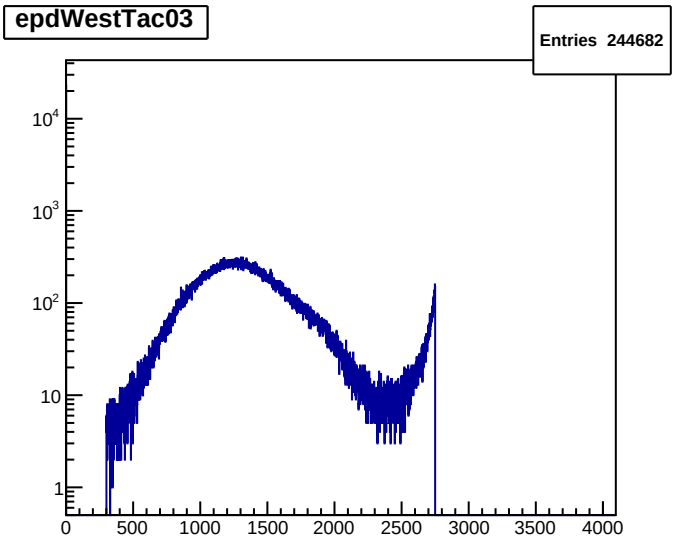
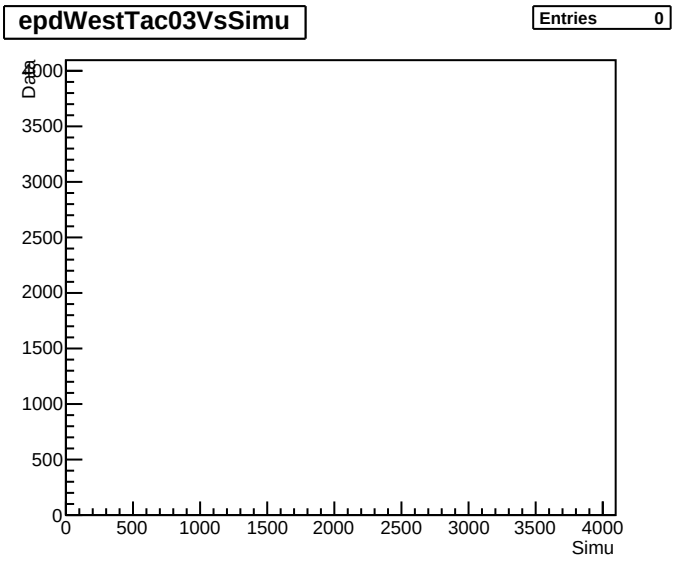
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 244682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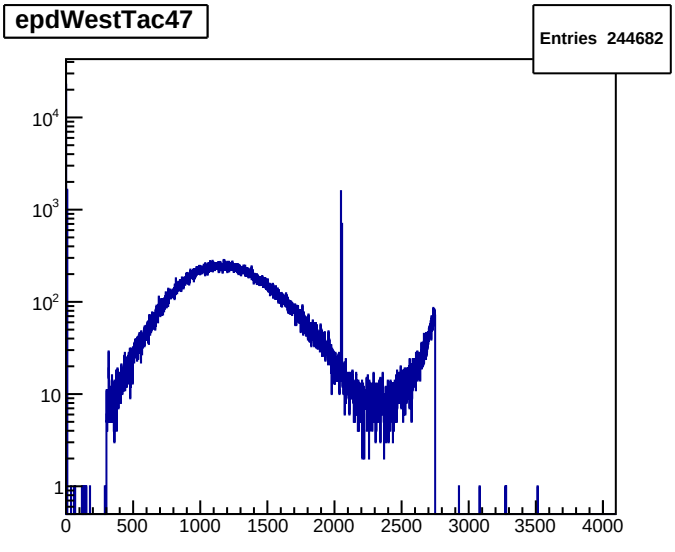
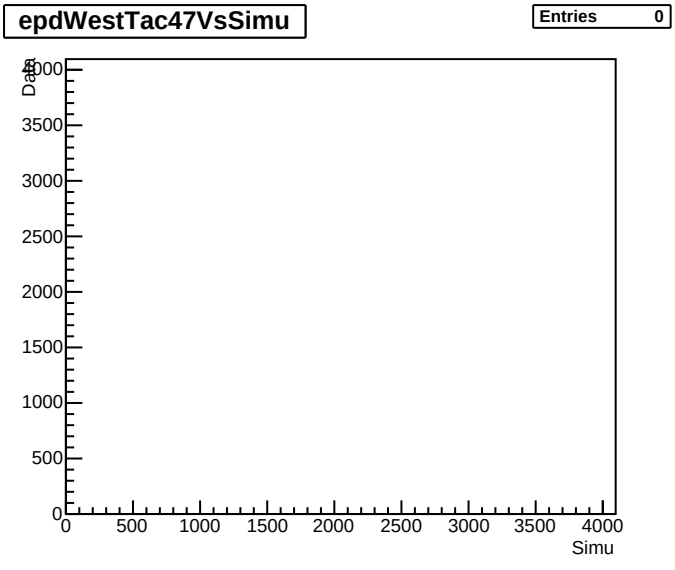
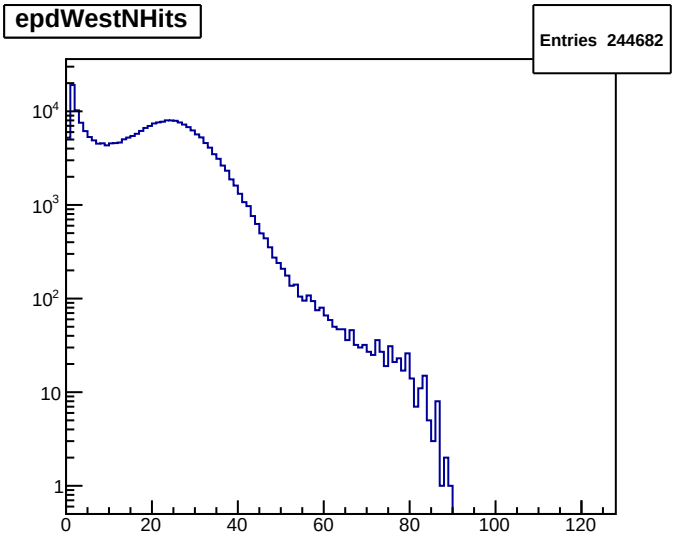
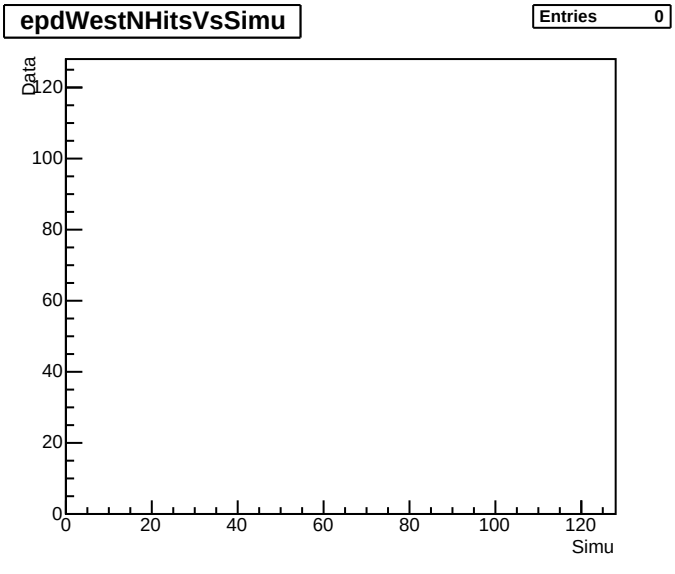
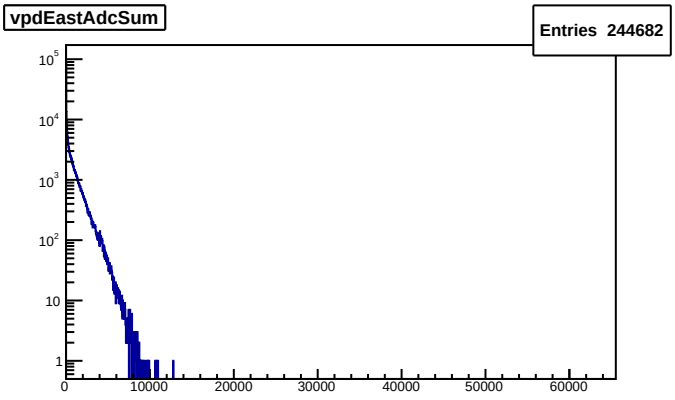
Entries 0
Data
Simu

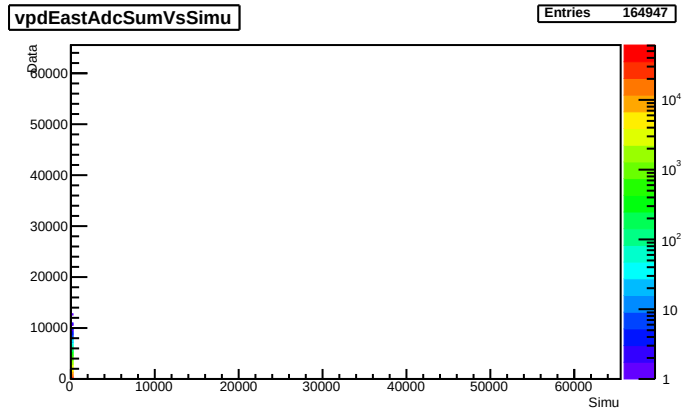

epdWestTac47
Entries 244682

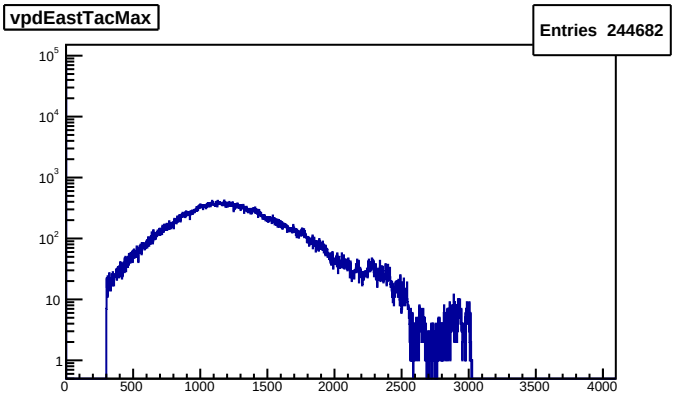

epdWestTac47VsSimu
Entries 0
Data
Simu

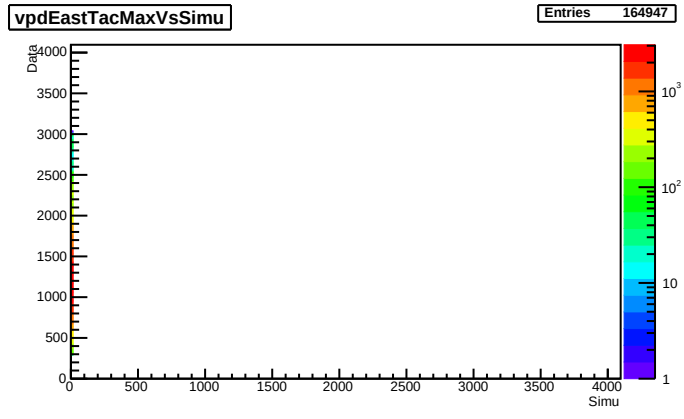

epdWestNHits
Entries 244682


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 244682


vpdEastAdcSumVsSimu
Entries 164947
Data
Simu


vpdEastTacMax
Entries 244682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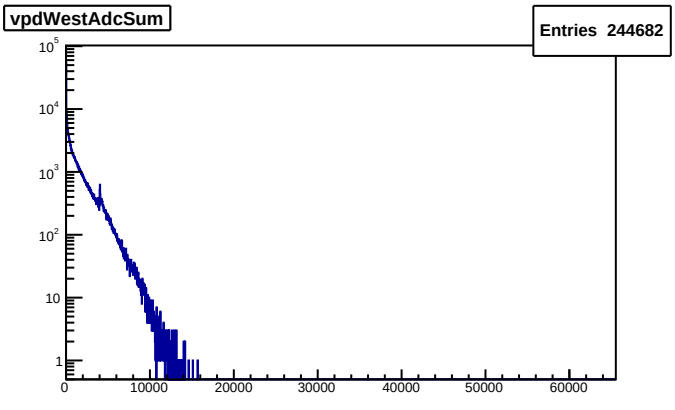
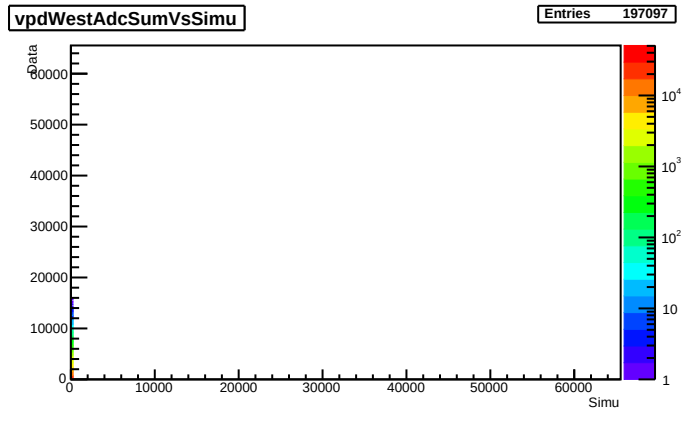
Entries 164947
Data
Simu


vpdWestAdcSum
Entries 244682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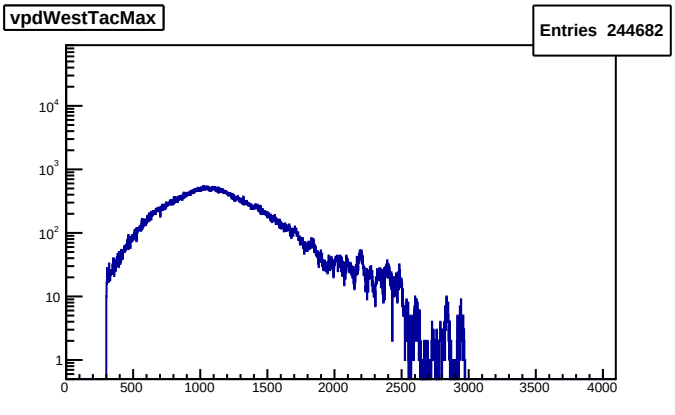
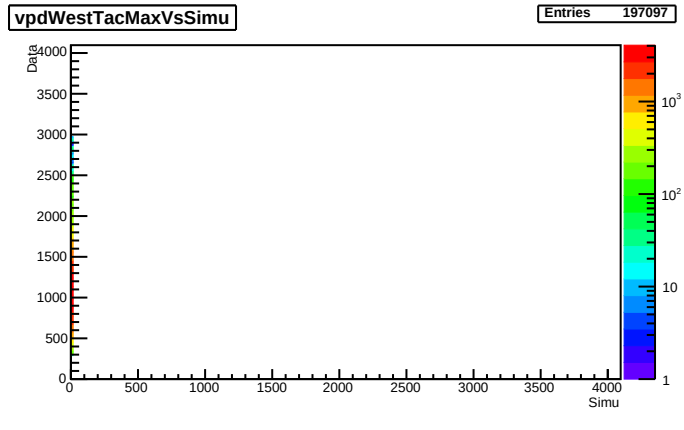
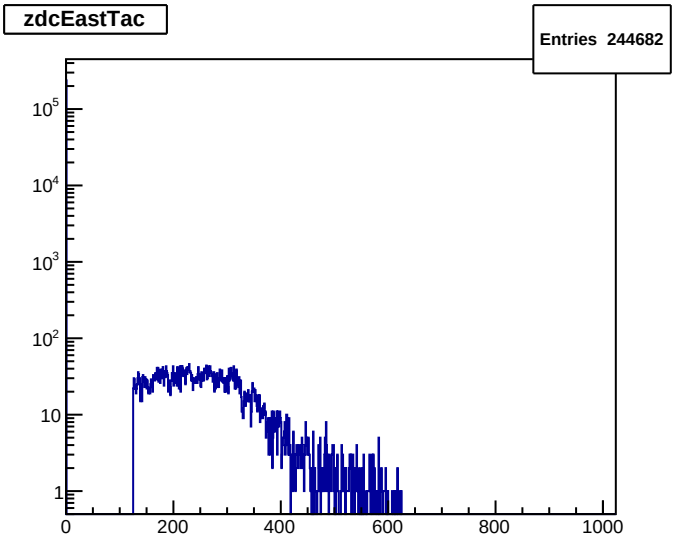
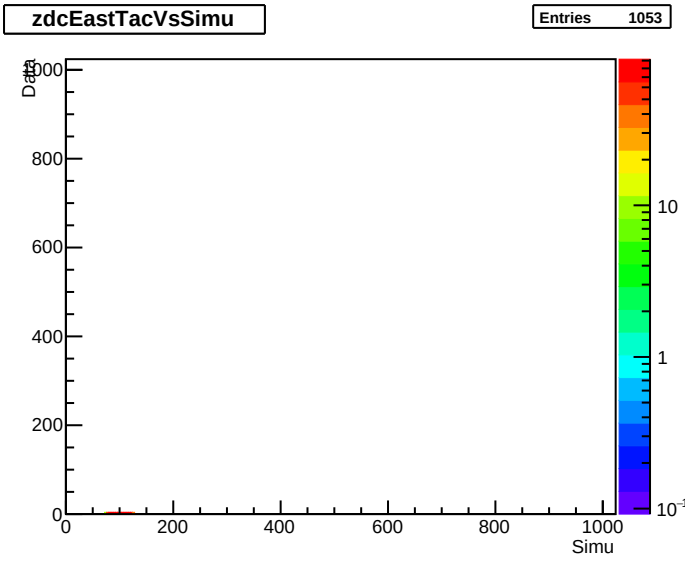
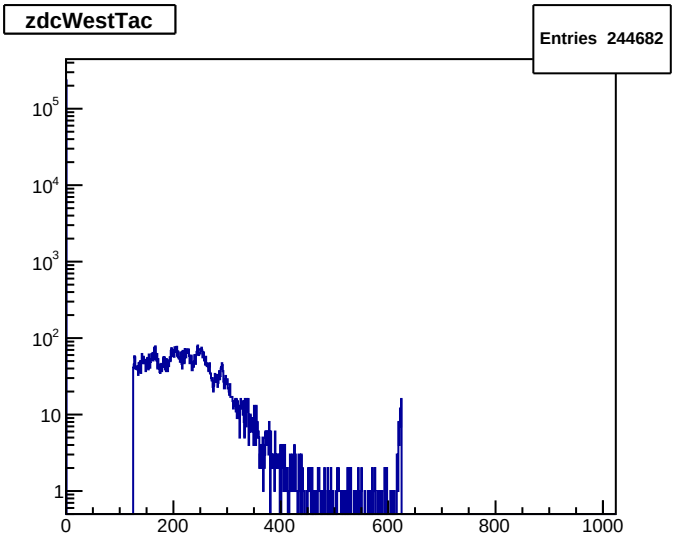
Entries 197097
Data
Simu

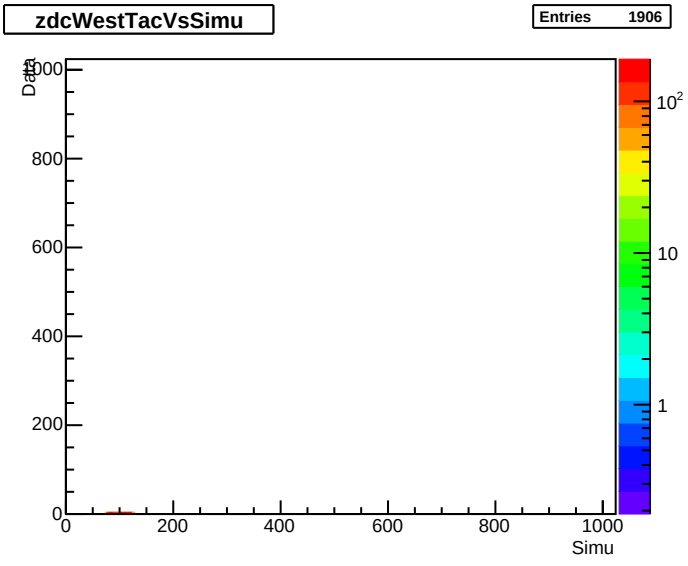

vpdWestTacMax
Entries 244682

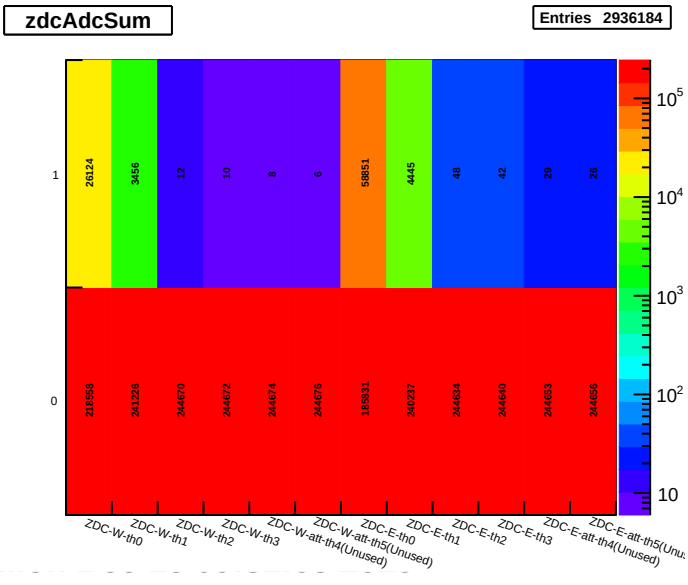

vpdWestTacMaxVsSimu
Entries 197097
Data
Simu

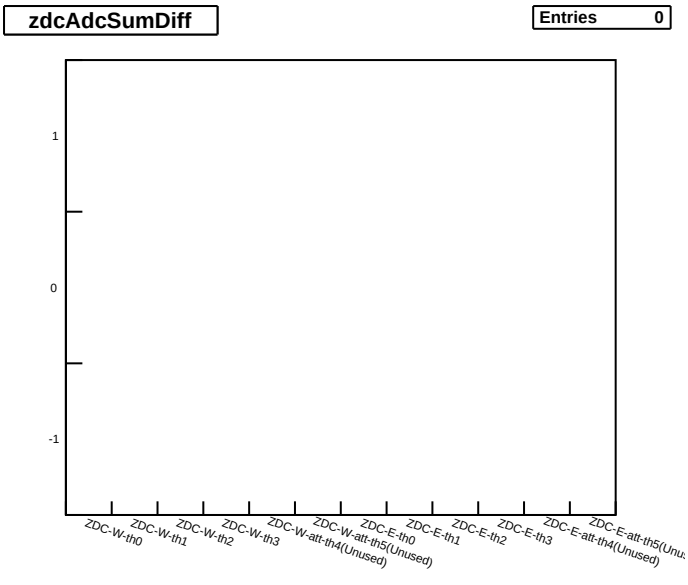

zdcEastTac
Entries 244682

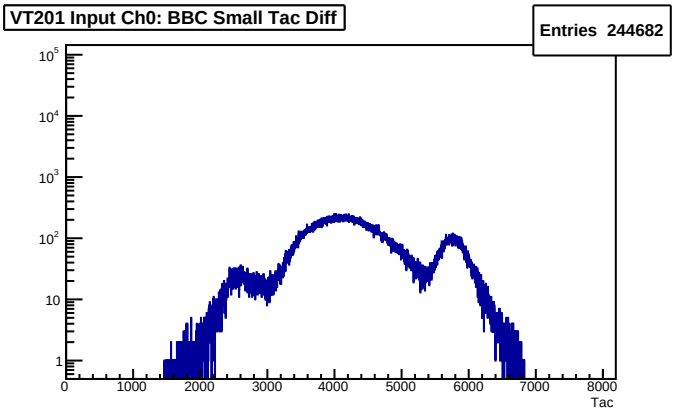

zdcEastTacVsSimu
Entries 1053
Data
Simu

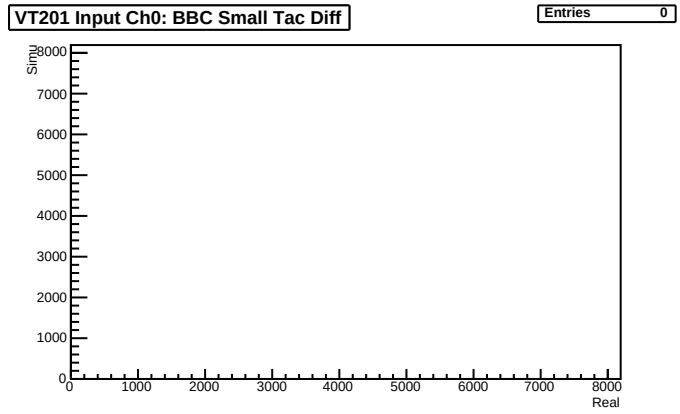

zdcWestTac
Entries 244682

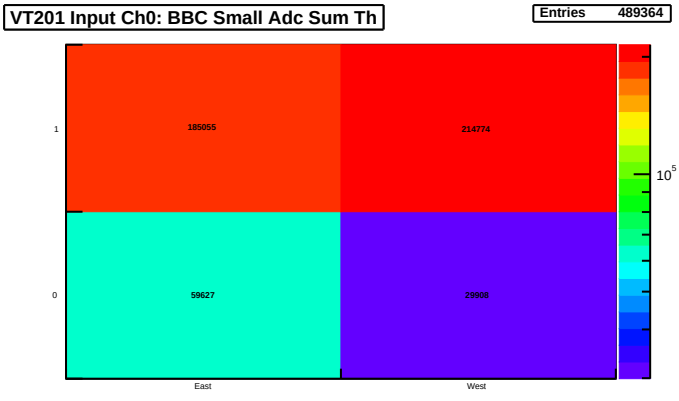

zdcWestTacVsSimu
Entries 1906
Data
Simu

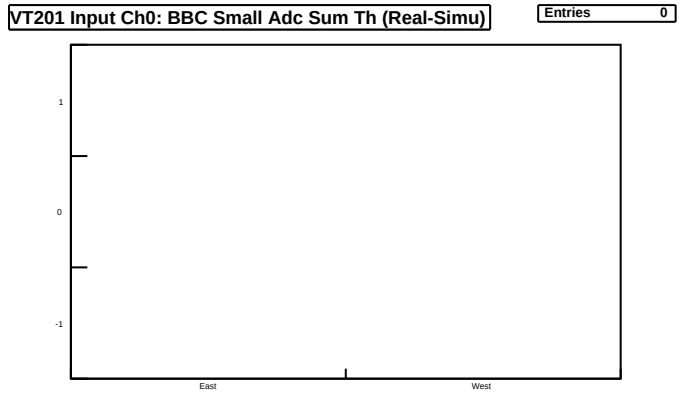

zdcAdcSum
Entries 2936184
26124
3456
12
10
8
6
58851
4445
48
42
29
26
218588
241226
244670
244672
244674
244676
185831
240237
244634
244640
244653
244656
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

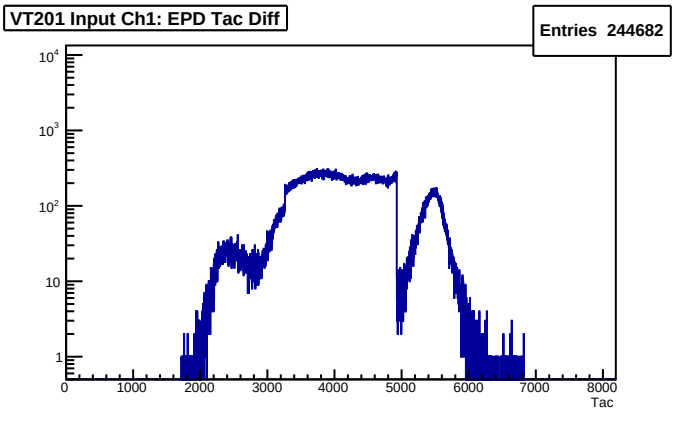

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

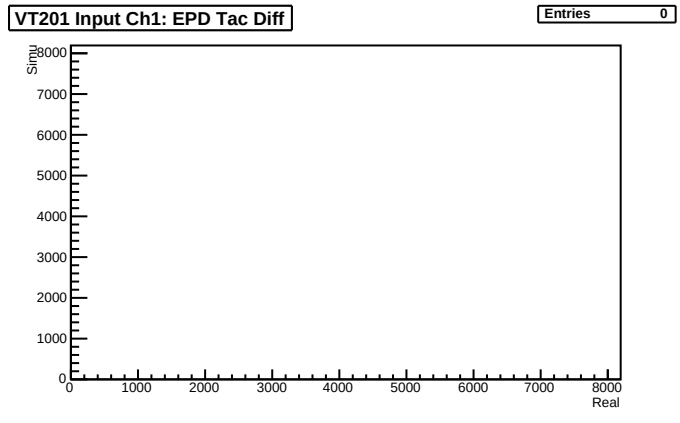

VT201 Input Ch0: BBC Small Tac Diff
Entries 244682
Tac

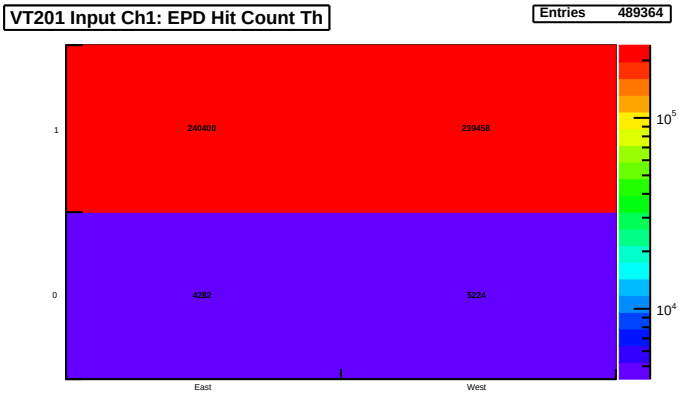

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

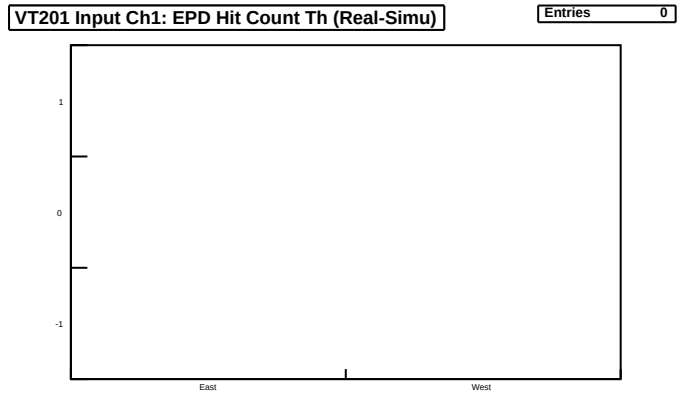

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 489364
185055
214774
59627
29908
East
West

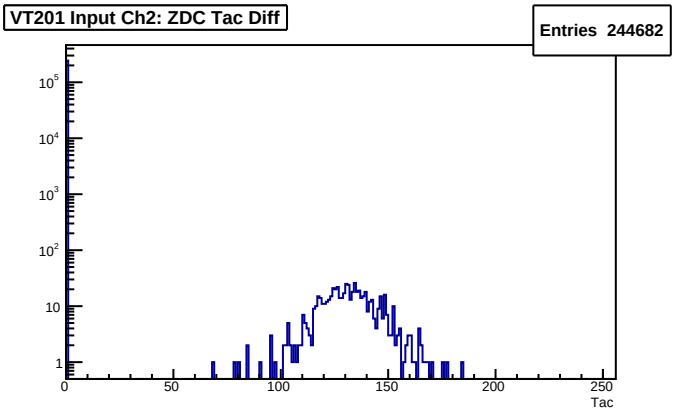

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

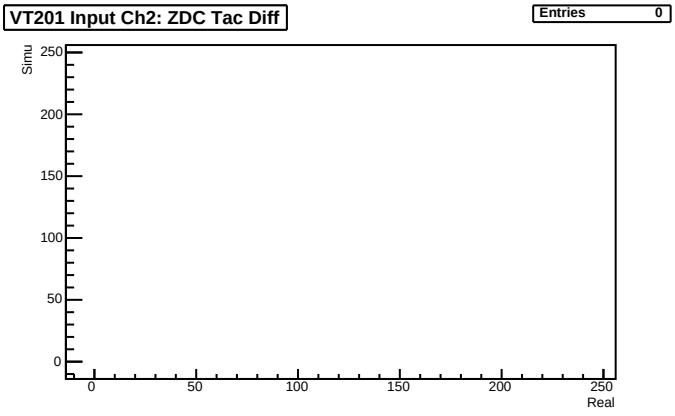

VT201 Input Ch1: EPD Tac Diff
Entries 244682
Tac

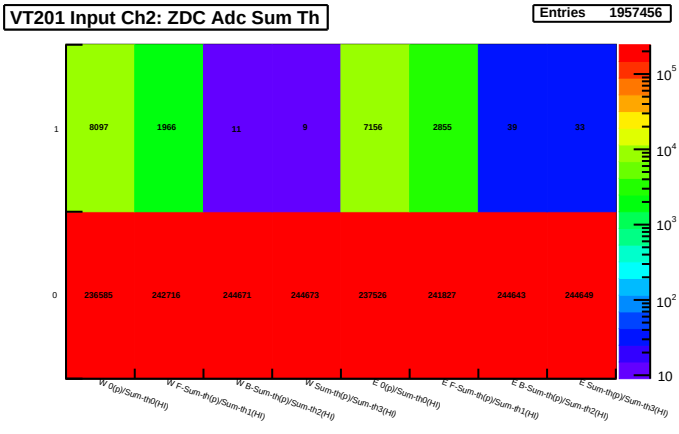

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

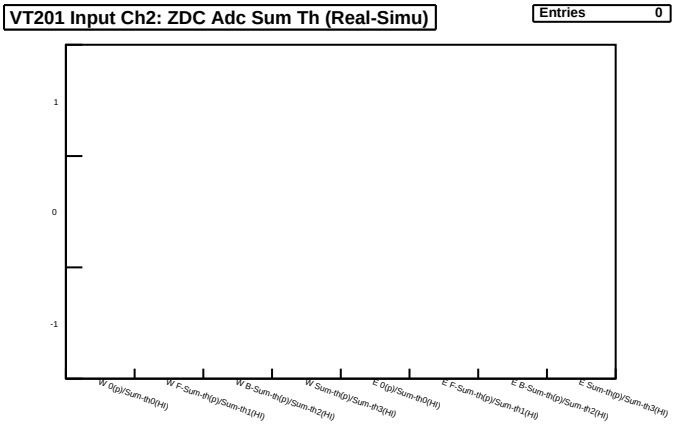

VT201 Input Ch1: EPD Hit Count Th
Entries 489364
240400
239458
4282
5224
East
West

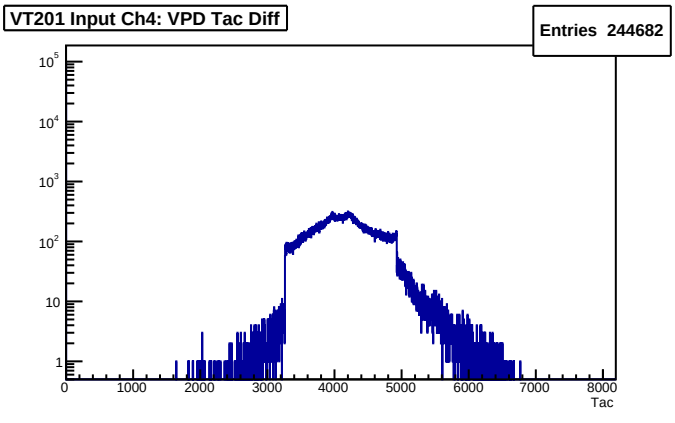

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

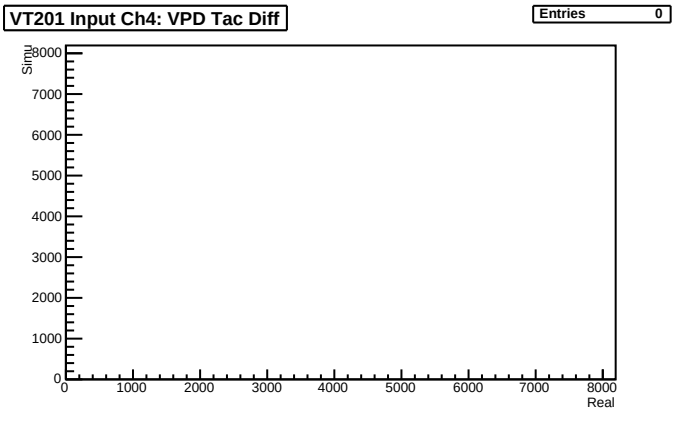

VT201 Input Ch2: ZDC Tac Diff
Entries 244682
Tac

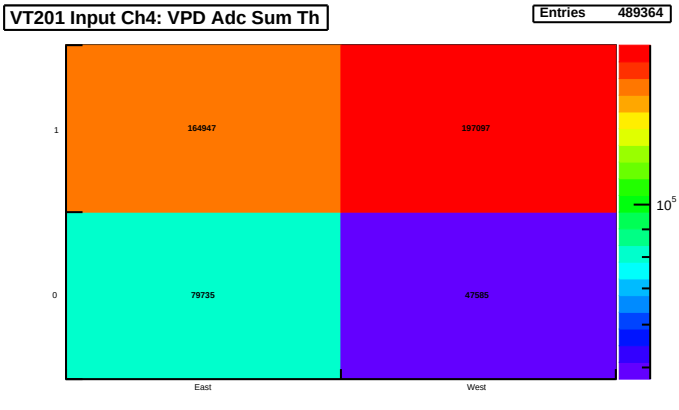

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

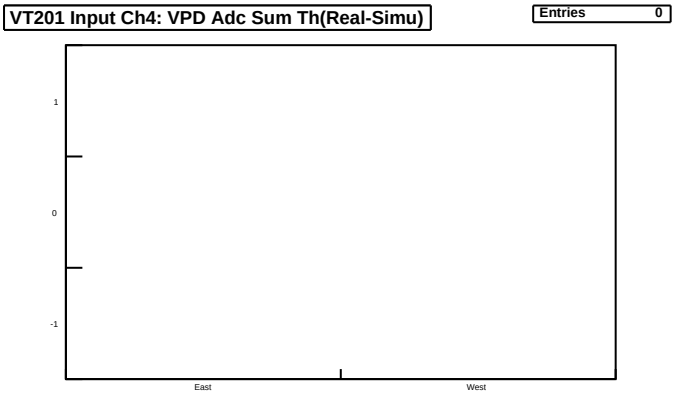

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1957456
8097
1966
11
9
7156
2855
39
33
236585
242716
244671
244673
237526
241827
244643
244649
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

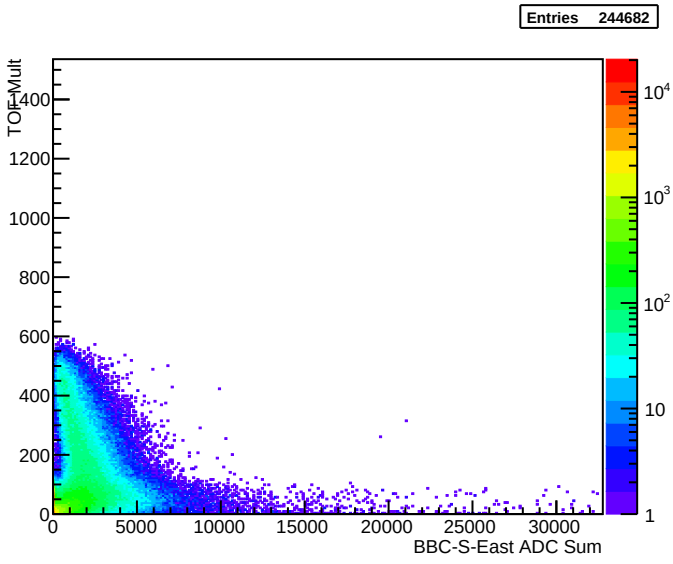

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

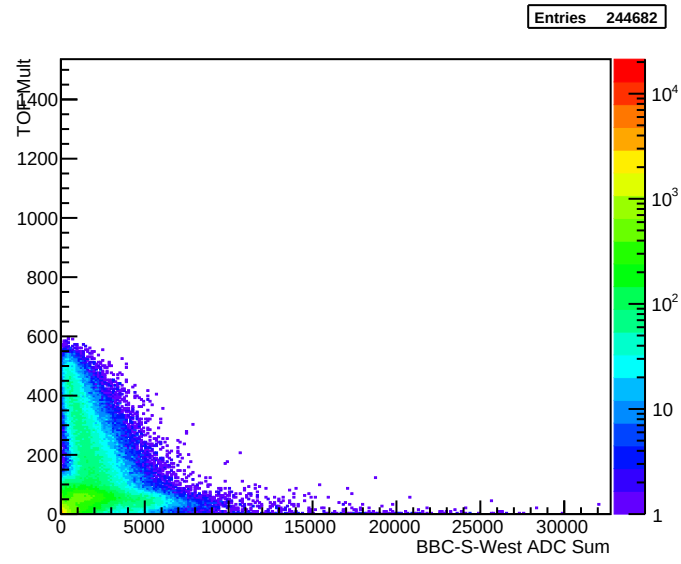

VT201 Input Ch4: VPD Tac Diff
Entries 244682
Tac

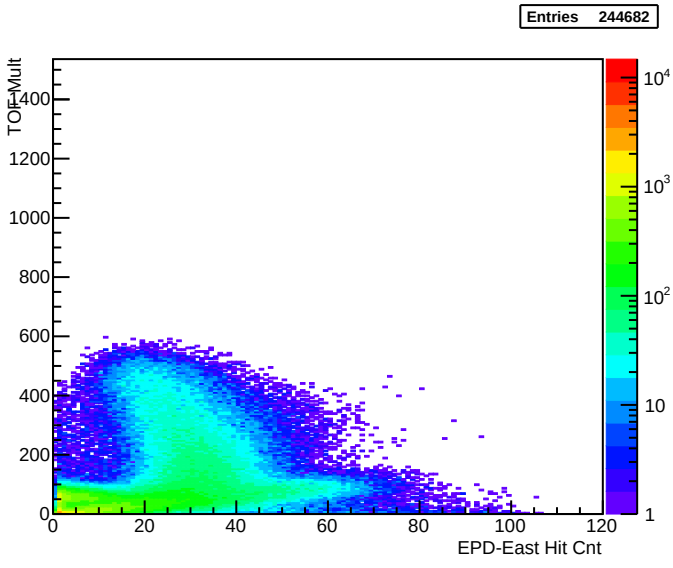

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

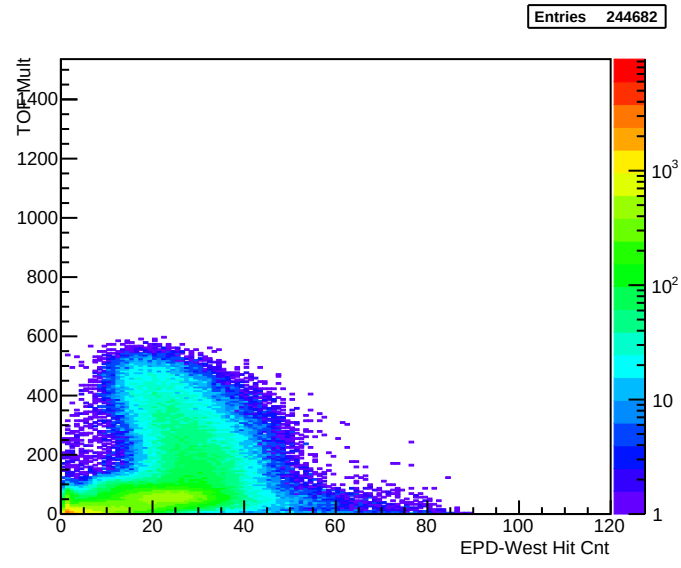

VT201 Input Ch4: VPD Adc Sum Th
Entries 489364
164947
197097
79735
47585
East
West

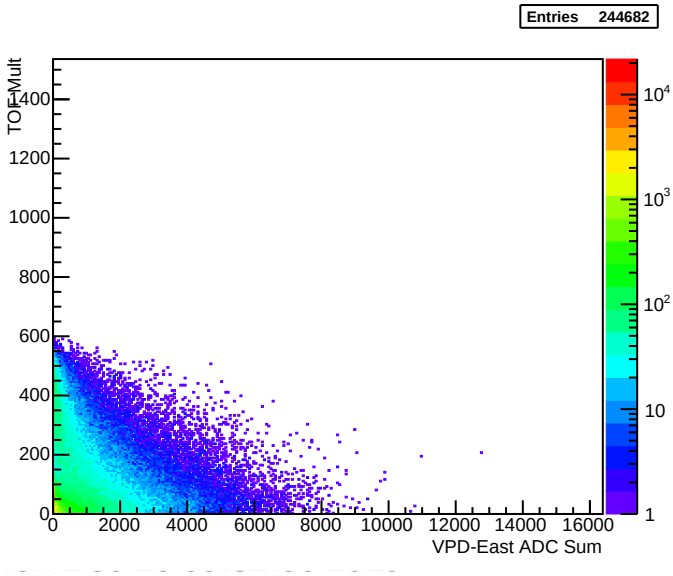

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

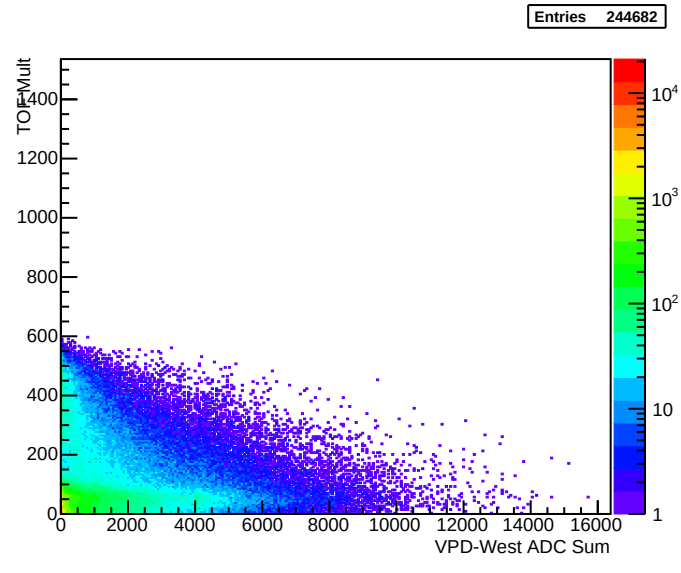

Entries 244682
TOF-Mult
BBC-S-East ADC Sum

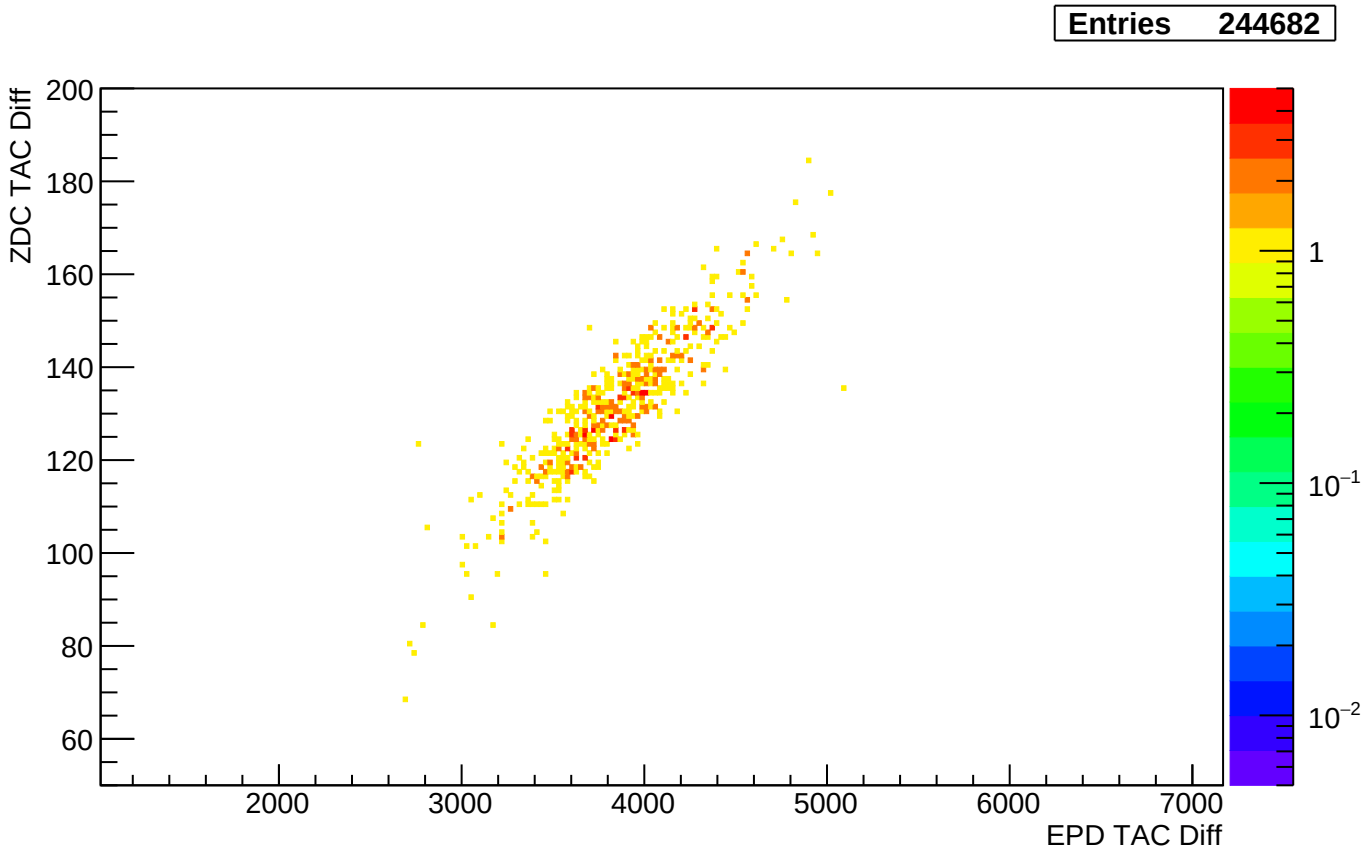

Entries 244682
TOF-Mult
BBC-S-West ADC Sum

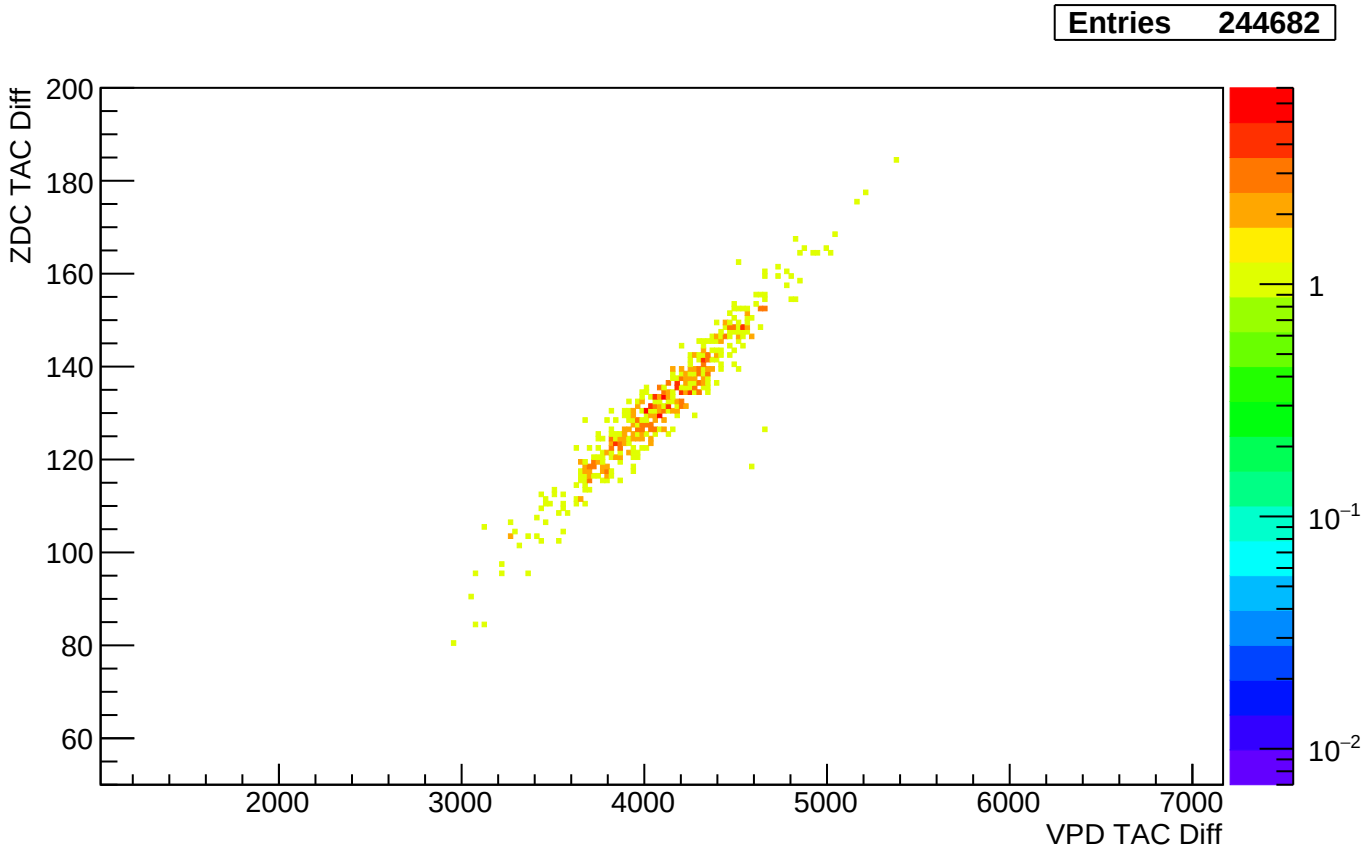

Entries 244682
TOF-Mult
EPD-East Hit Cnt

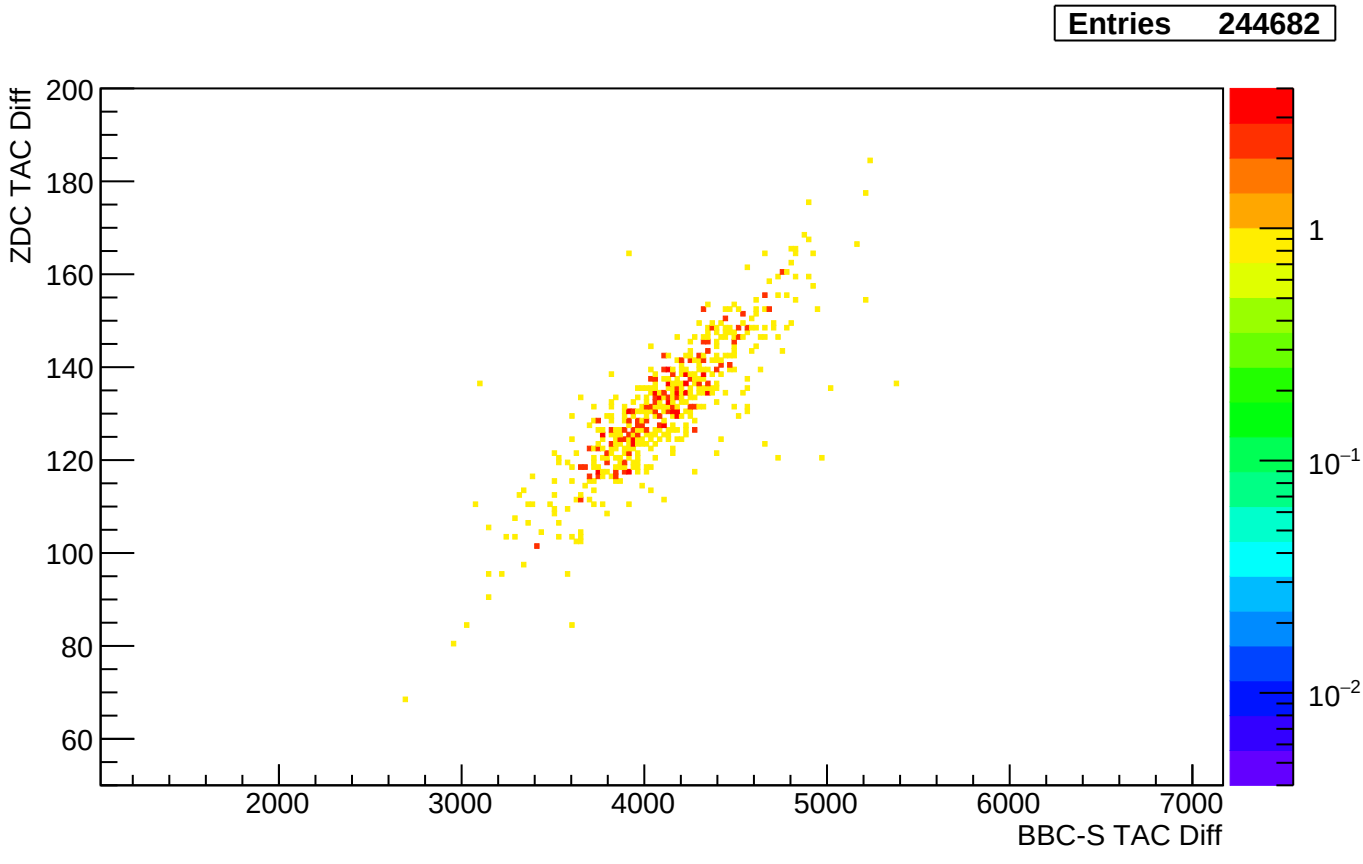

Entries 244682
TOF-Mult
EPD-West Hit Cnt

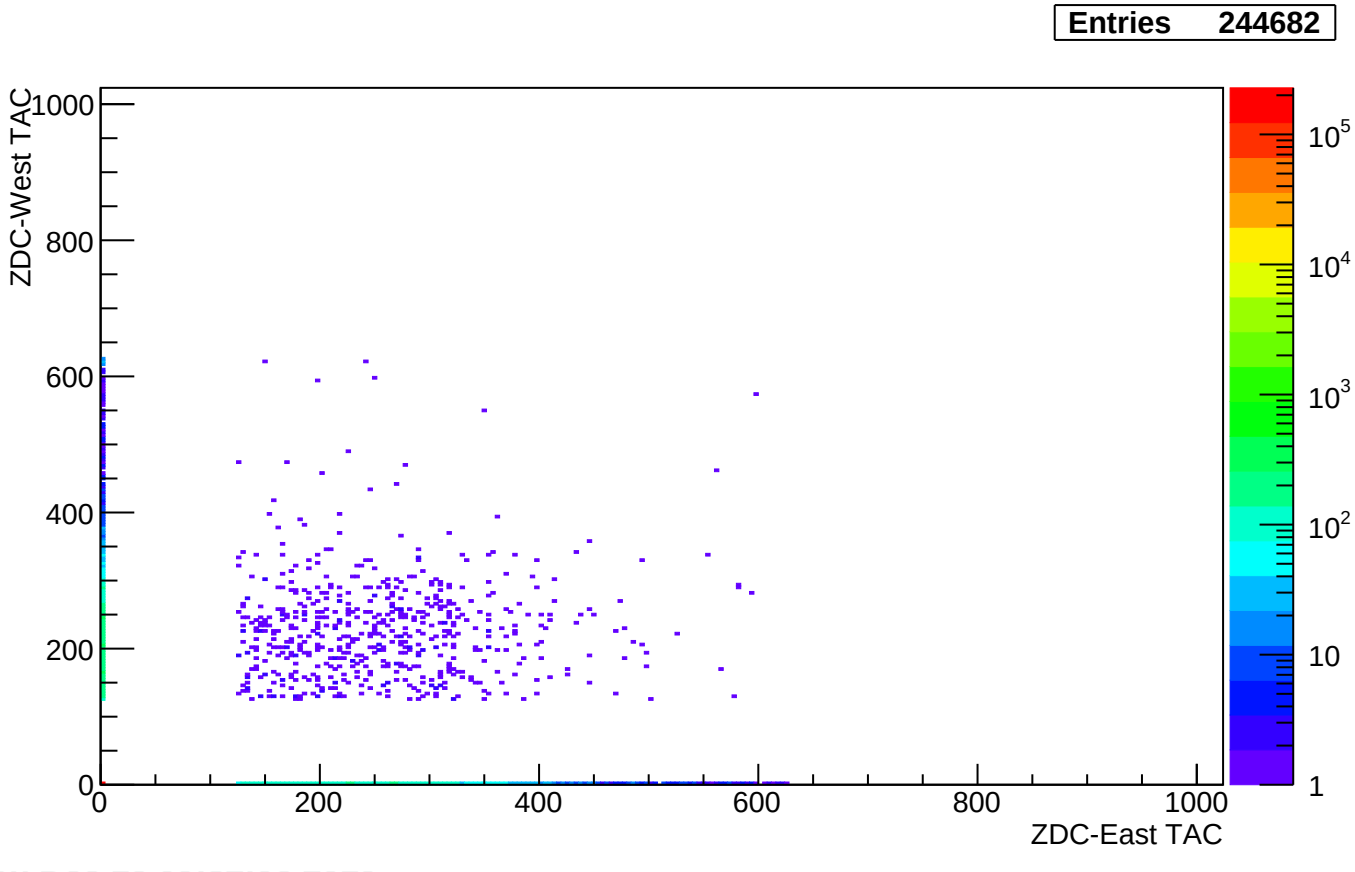

Entries 244682
TOF-Mult
VPD-East ADC Sum

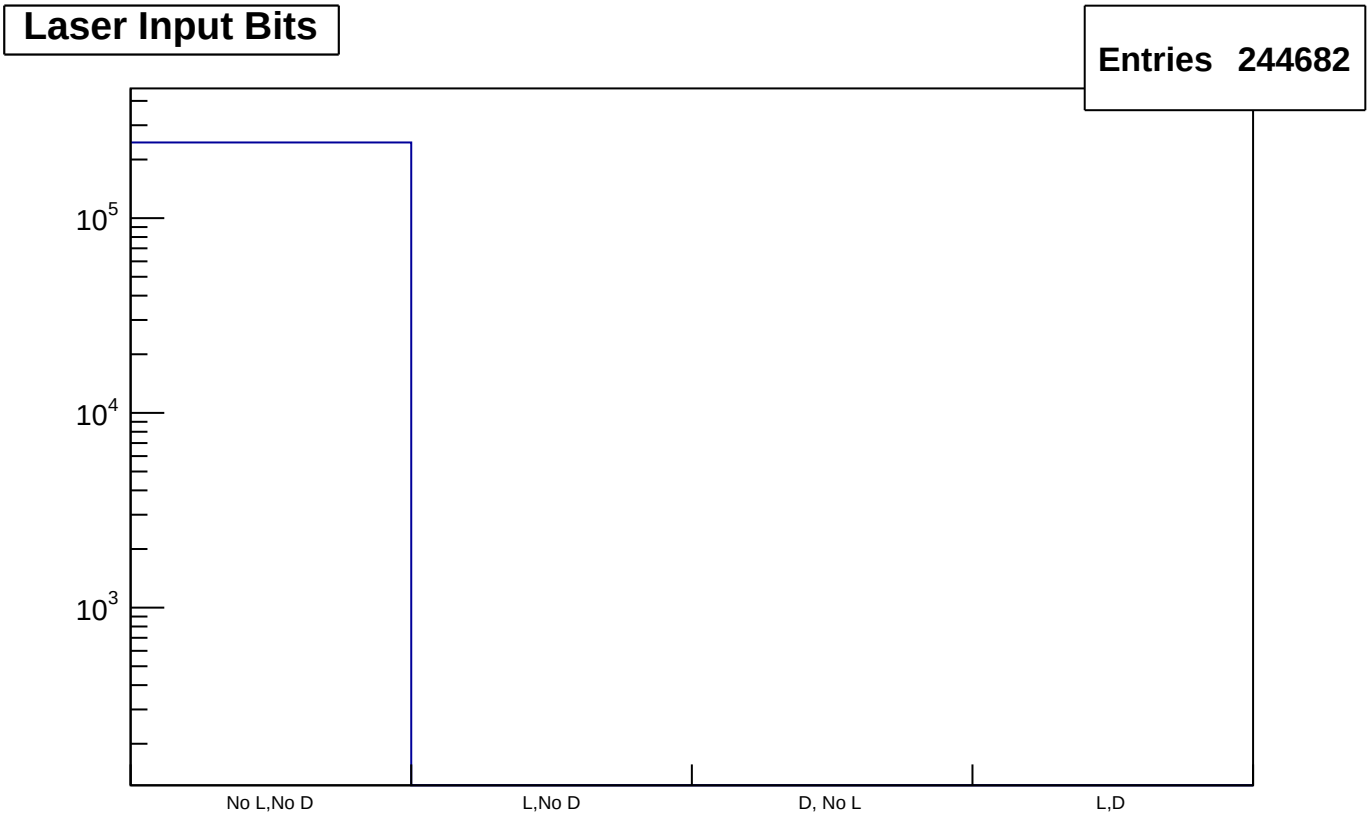

Entries 244682
TOF-Mult
VPD-West ADC Sum

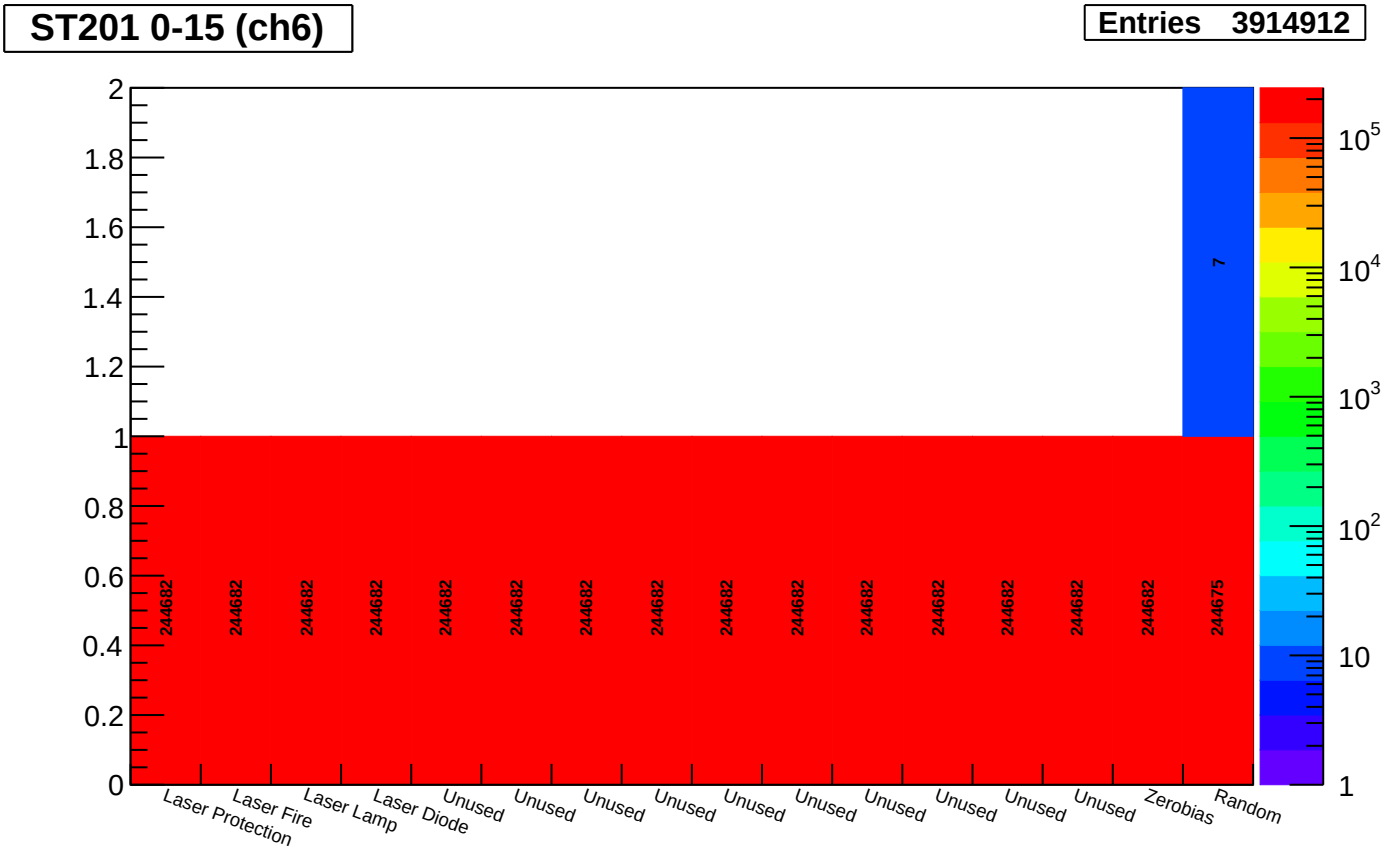

Entries 244682
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

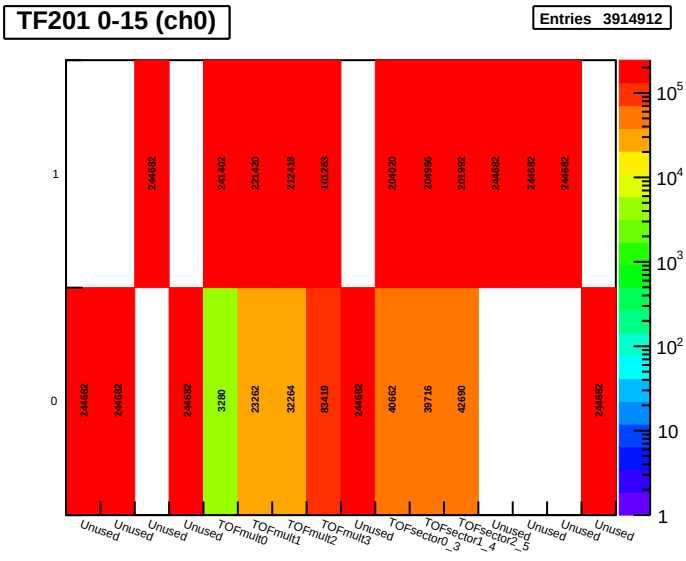

Entries 244682
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

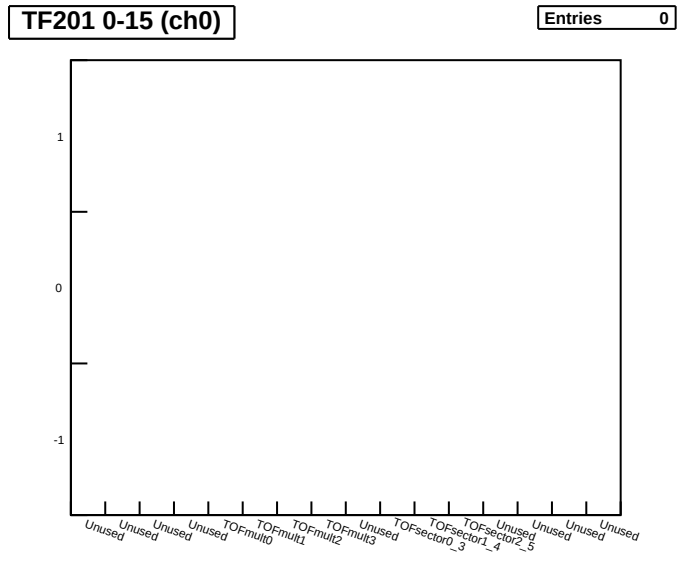

Entries 244682
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

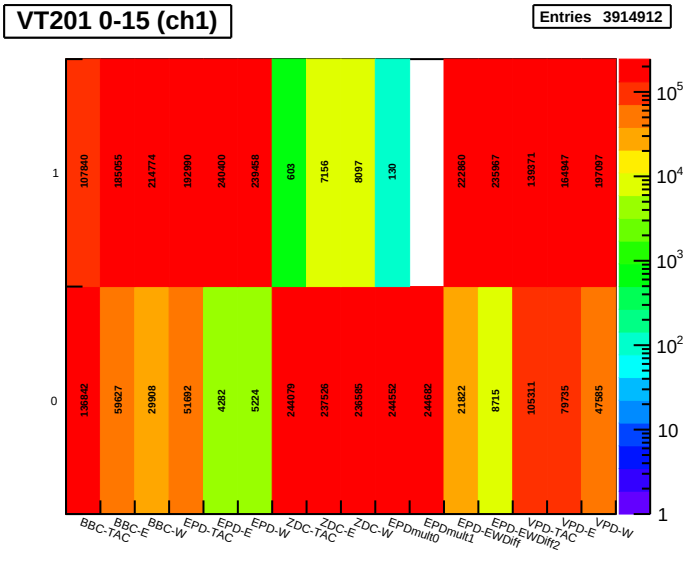

Entries 244682
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

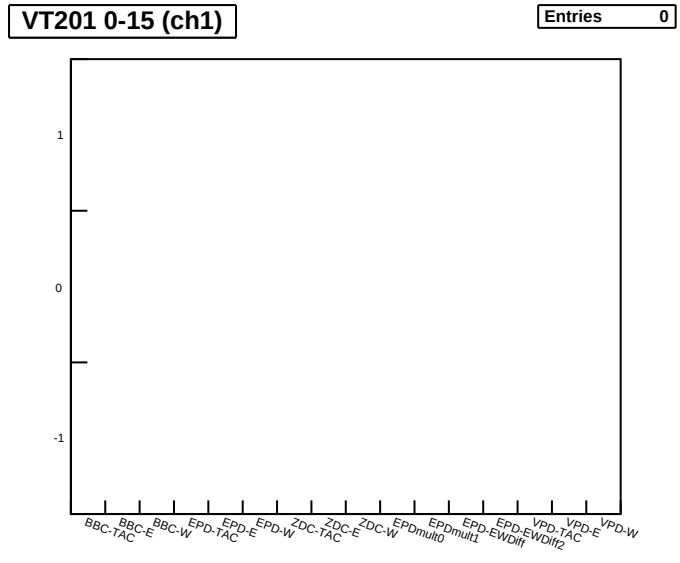

Laser Input Bits
Entries 244682
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

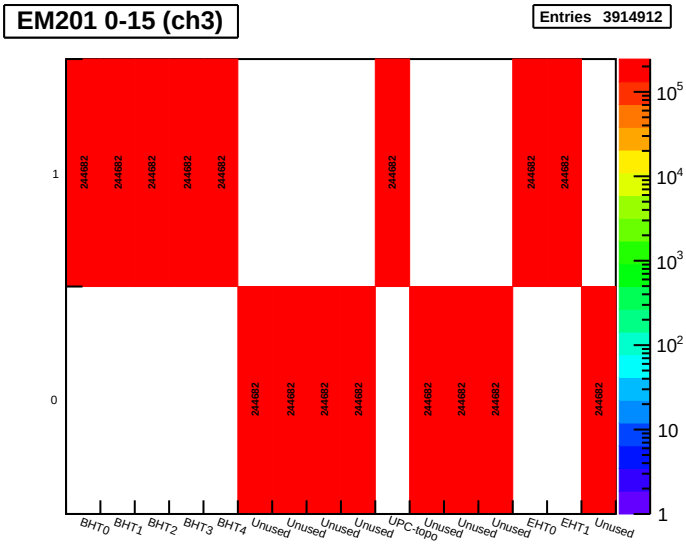

ST201 0-15 (ch6)
Entries 3914912
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
244682
244682
244682
244682
244682
244682
244682
244682
244682
244682
244682
244682
244682
244682
244682
244675
7
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

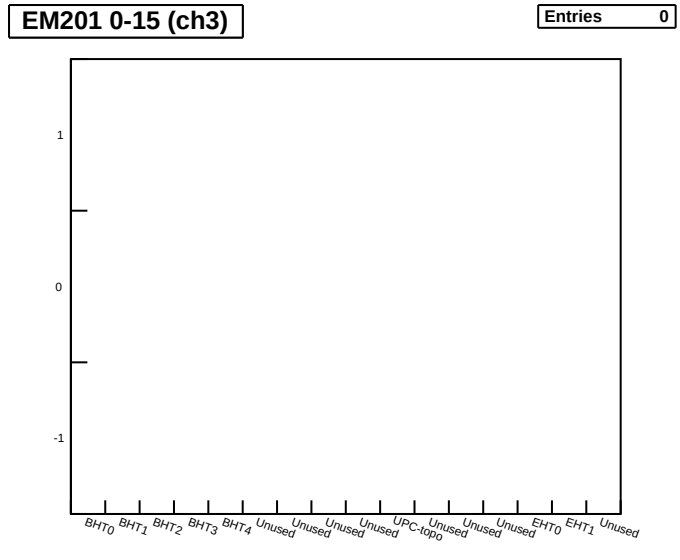

TF201 0-15 (ch0)
Entries 3914912
1
0
244682 241402 221420 212418 161263 204020 204966 201992 244682 244682 244682
244682 244682 244682 3280 23262 32264 83419 244682 40662 39716 42690 244682
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 3914912
1
0
107840 185055 214774 192990 240400 239458 603 7156 8097 130 222860 235967 139371 164947 197097
136842 59627 29908 51692 4282 5224 244079 237526 236585 244552 244682 21822 8715 105311 79735 47585
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 3914912
1
0
244682 244682 244682 244682 244682 244682 244682 244682
244682 244682 244682 244682 244682 244682 244682 244682
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