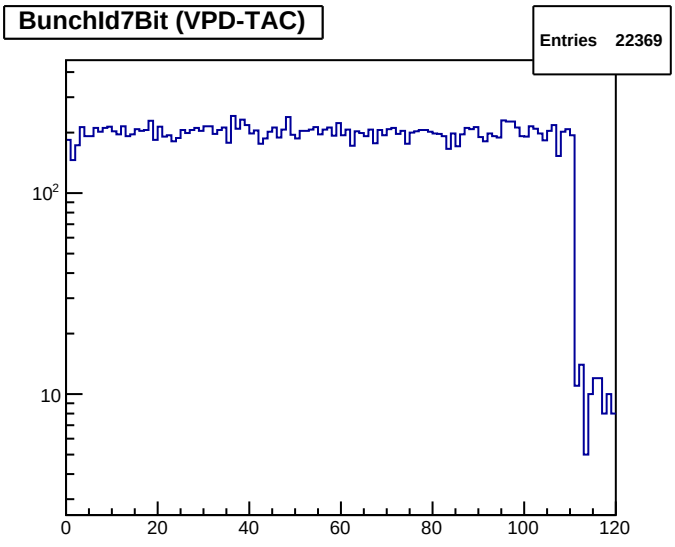
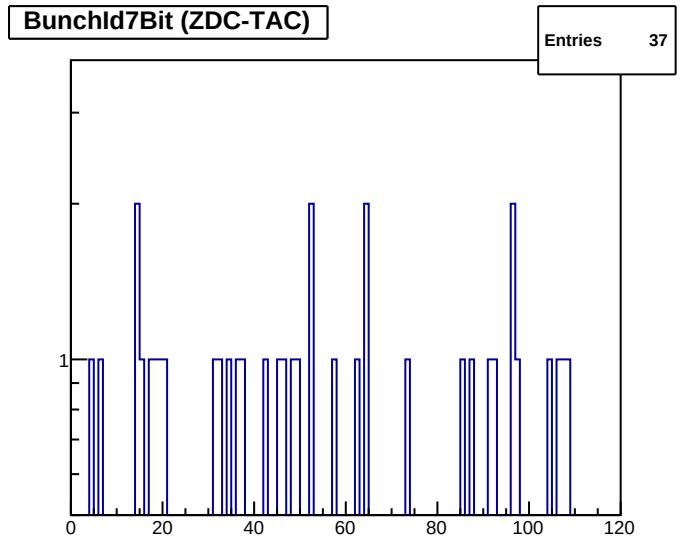
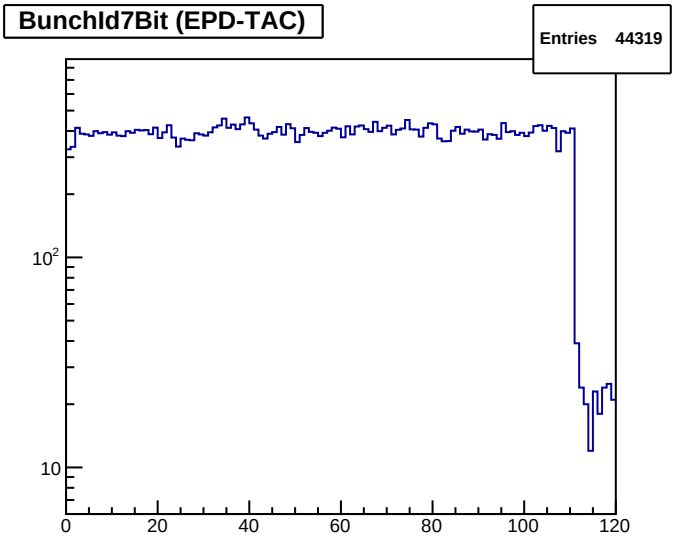
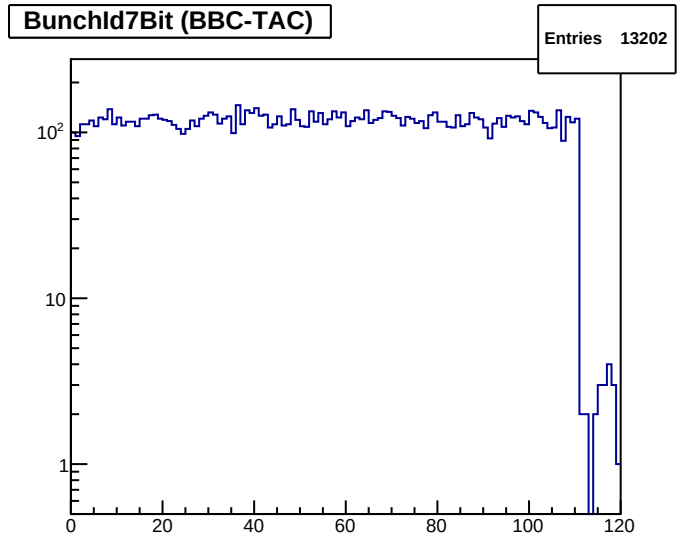
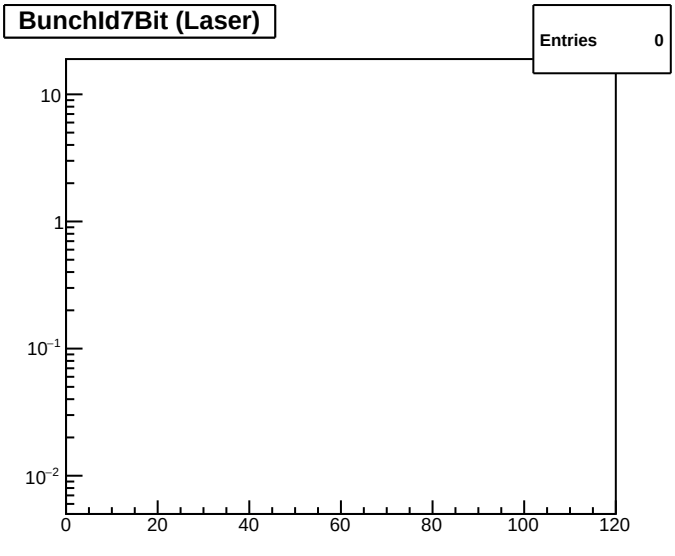
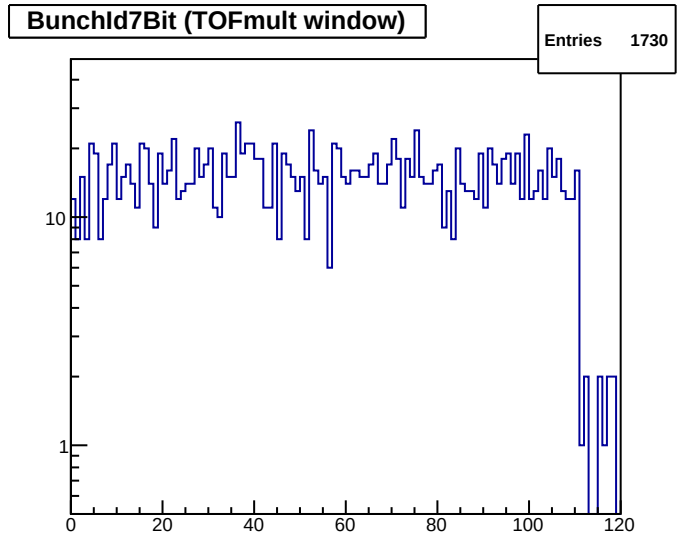

BunchId7Bit (VPD-TAC)
Entries 22369
10^2
10
0 20 40 60 80 100 120

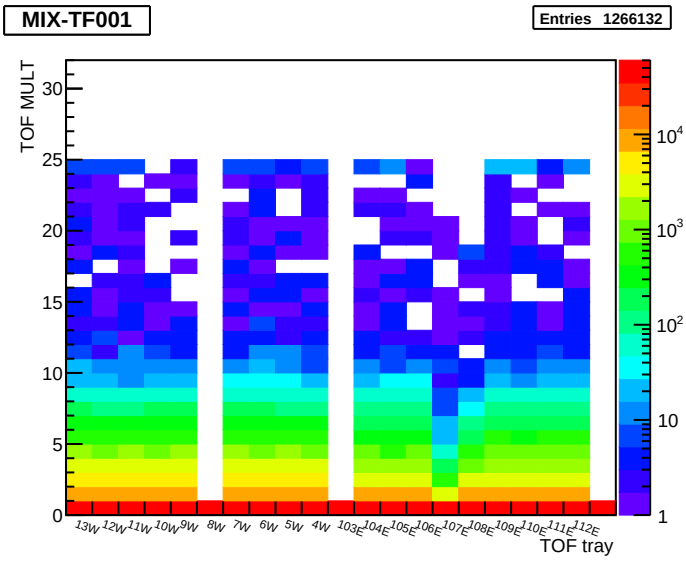

BunchId7Bit (ZDC-TAC)
Entries 37
1
0 20 40 60 80 100 120

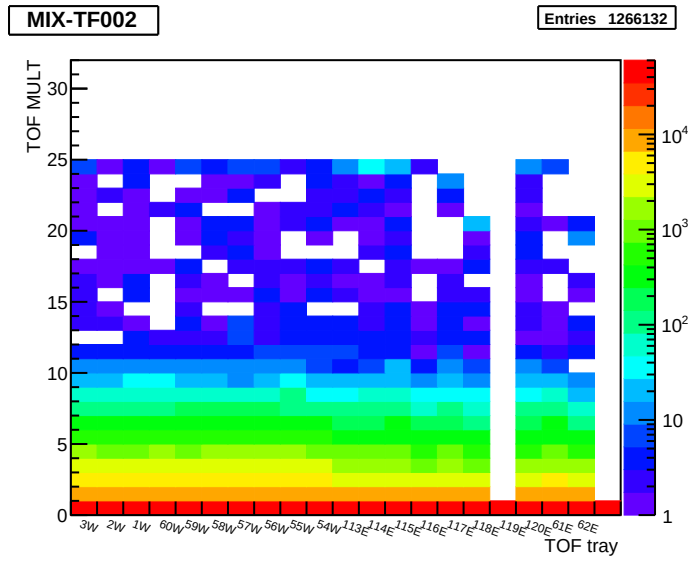

BunchId7Bit (EPD-TAC)
Entries 44319
10^2
10
0 20 40 60 80 100 120

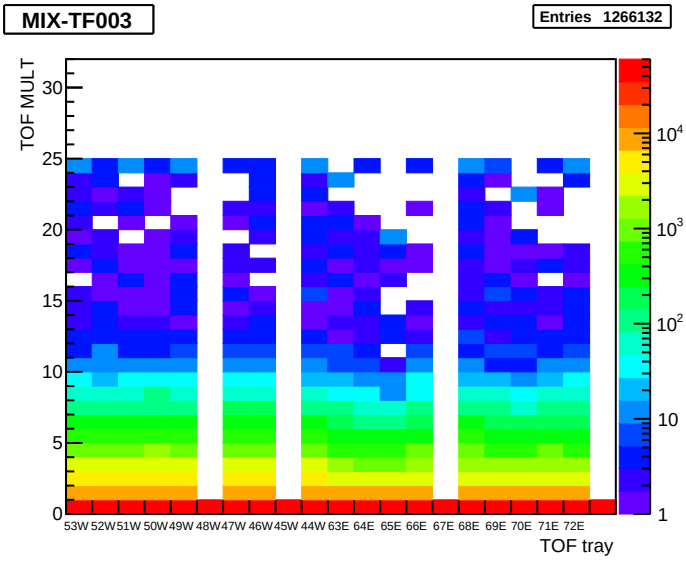

BunchId7Bit (BBC-TAC)
Entries 13202
10^2
10
1
0 20 40 60 80 100 120

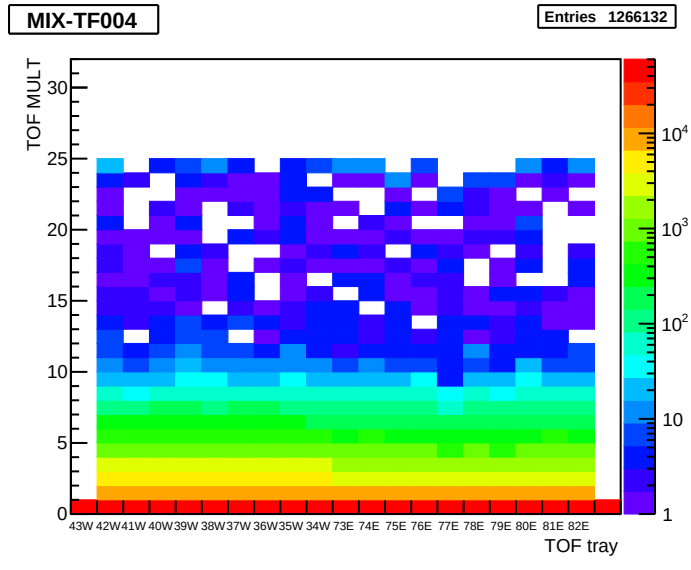

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

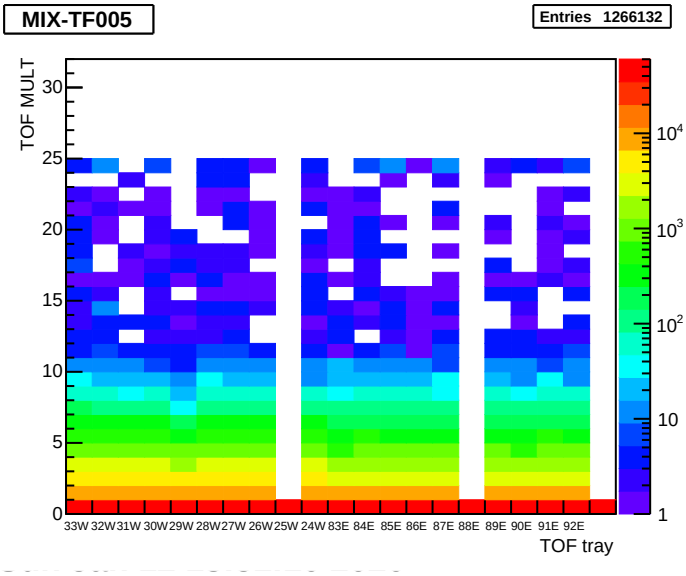

BunchId7Bit (TOFmult window)
Entries 1730
10
1
0 20 40 60 80 100 120

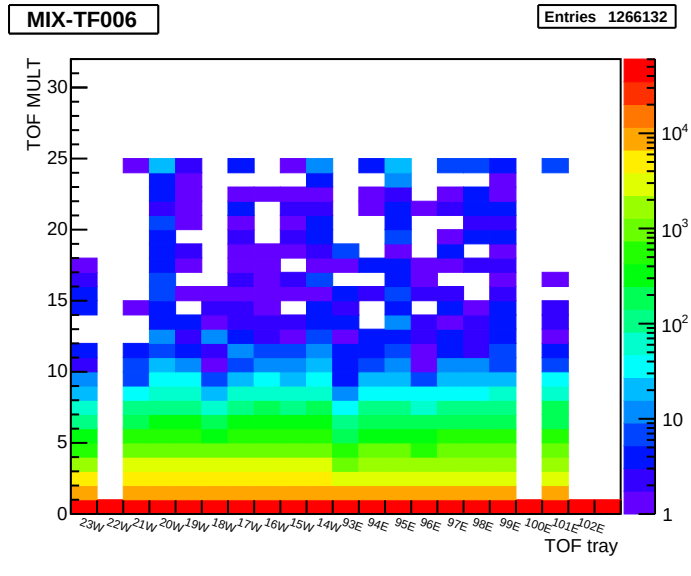

MIX-TF001
Entries 1266132
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

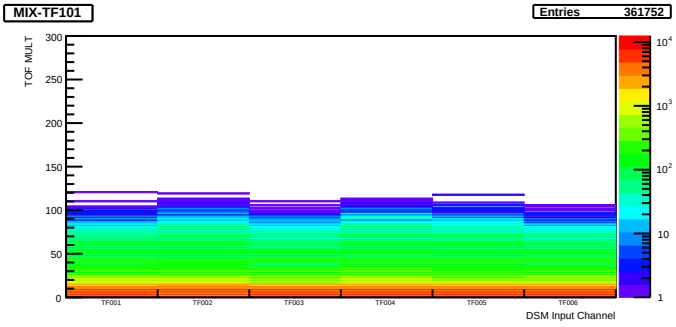

MIX-TF002
Entries 1266132
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

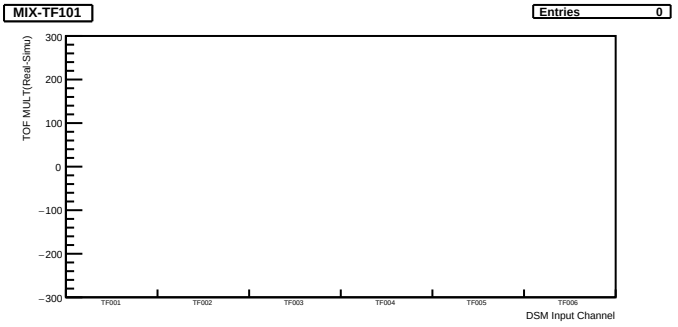

MIX-TF003
Entries 1266132
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

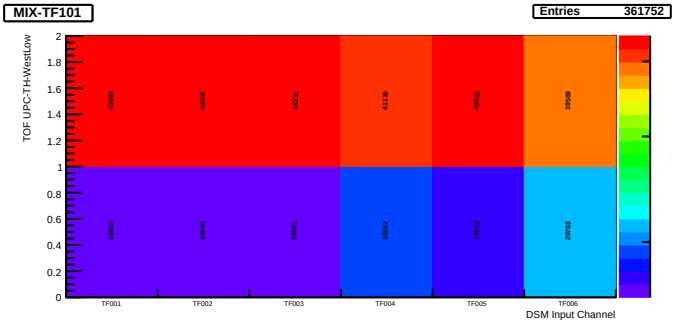

MIX-TF004
Entries 1266132
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

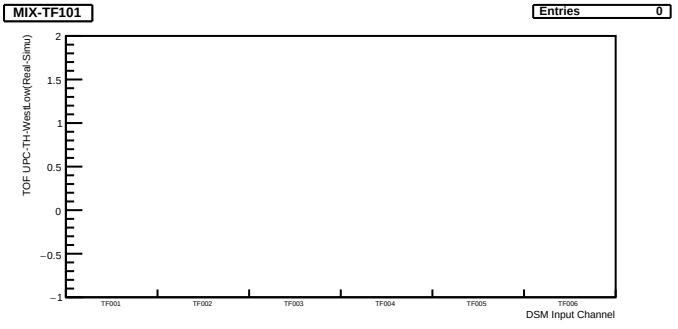

MIX-TF005
Entries 1266132
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

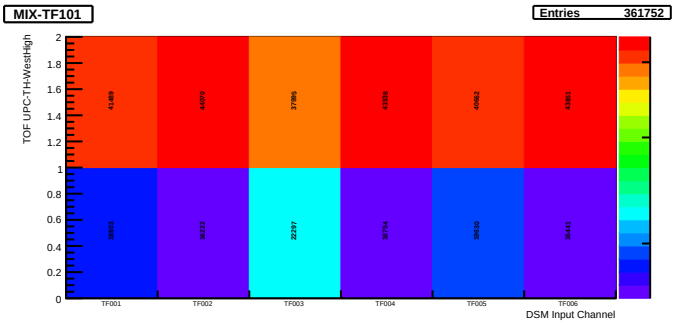

MIX-TF006
Entries 1266132
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

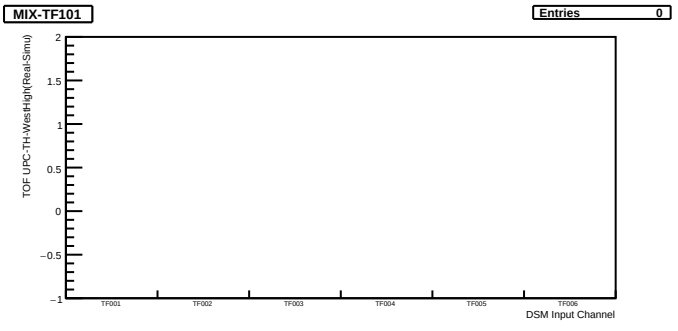

MIX-TF101
Entries 361752
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

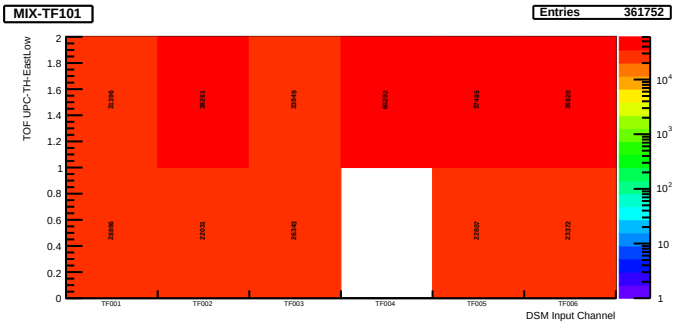

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

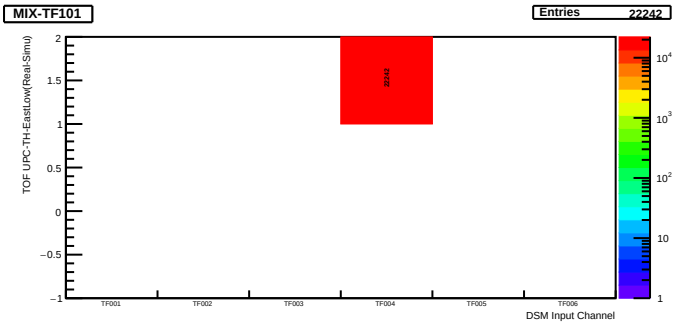

MIX-TF101
Entries 361752
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

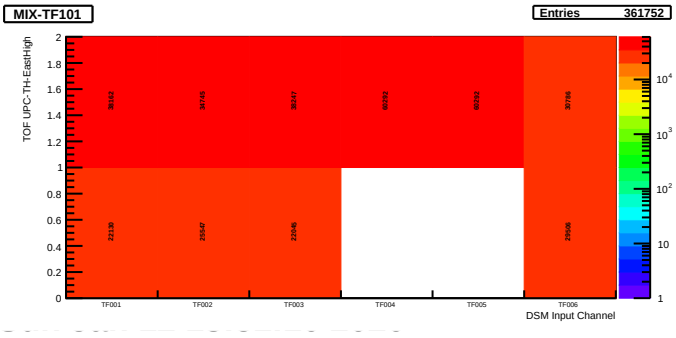

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

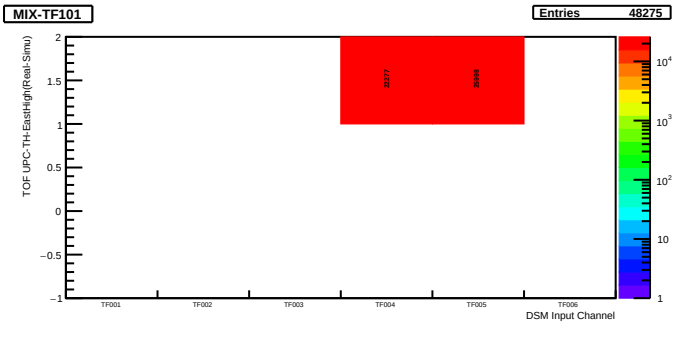

MIX-TF101
Entries 361752
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

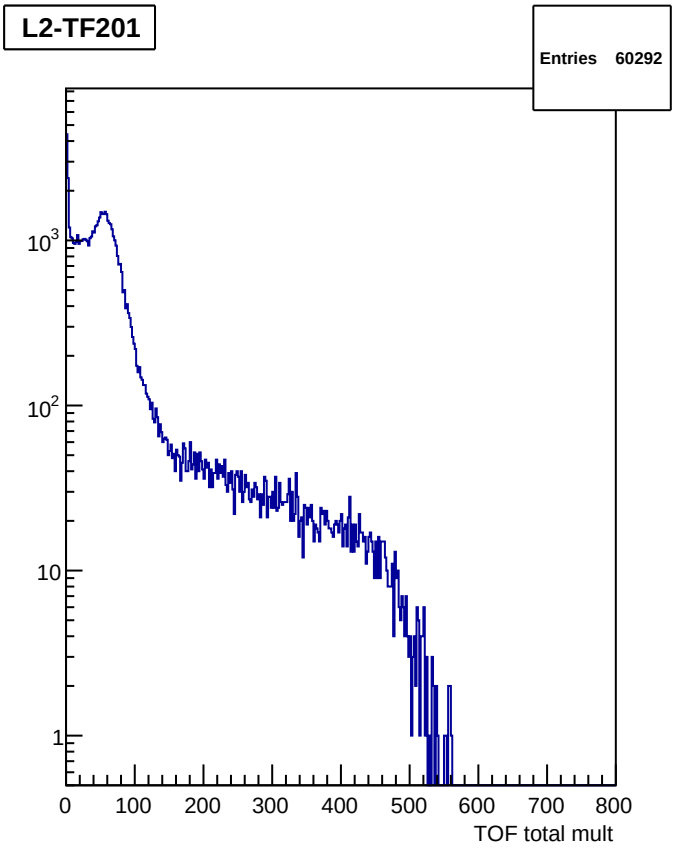

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

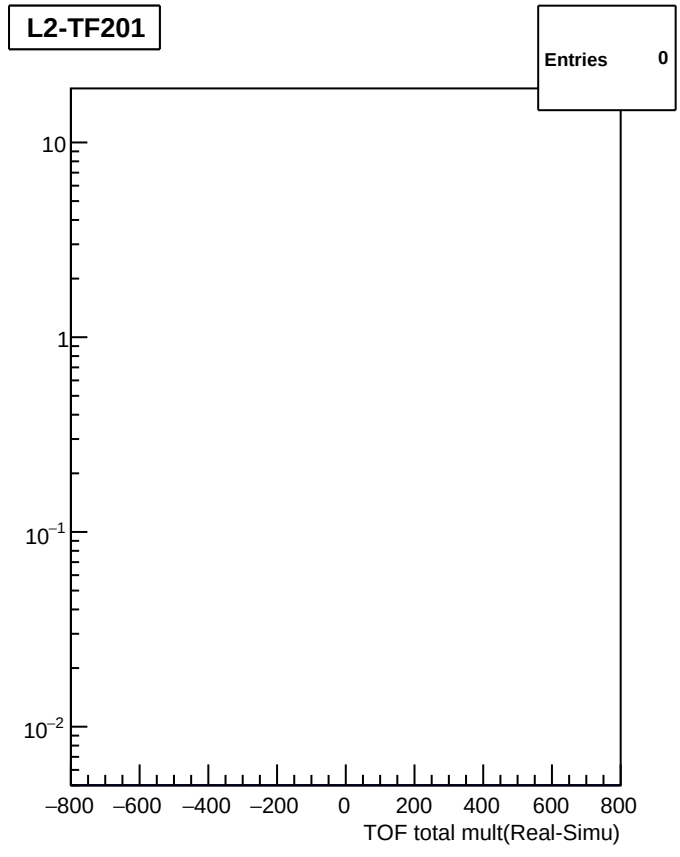

MIX-TF101
Entries 361752
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

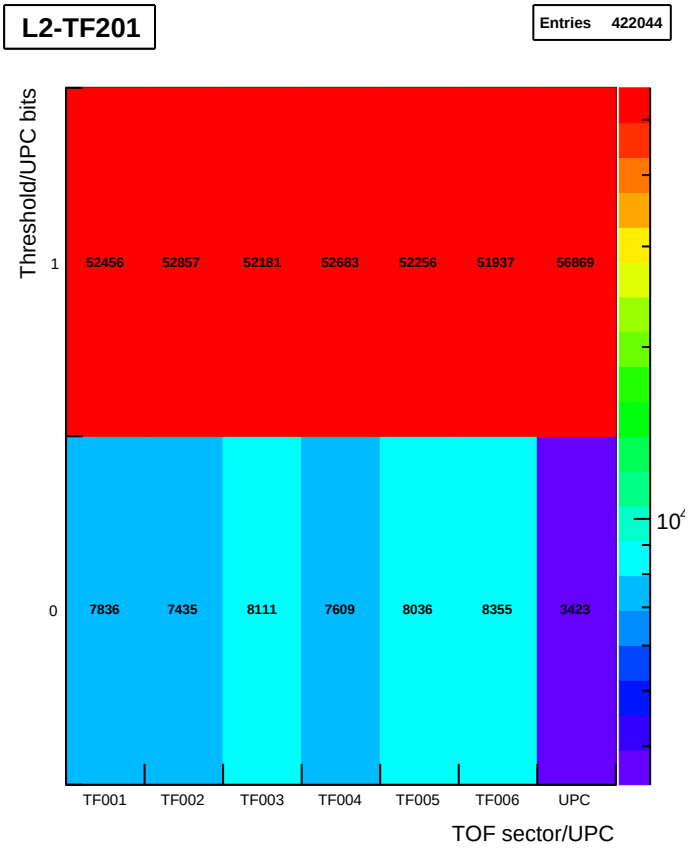

MIX-TF101
Entries 22242
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

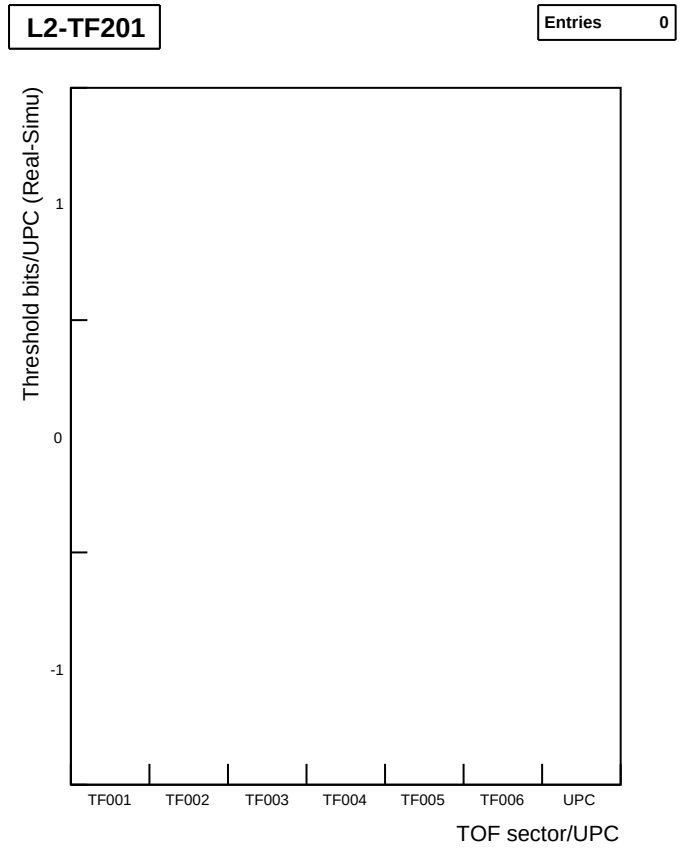

MIX-TF101
Entries 361752
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

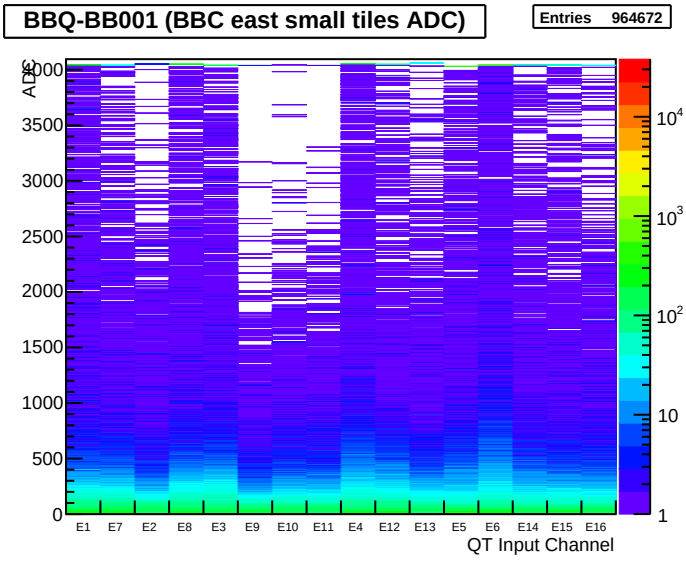

MIX-TF101
Entries 48275
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

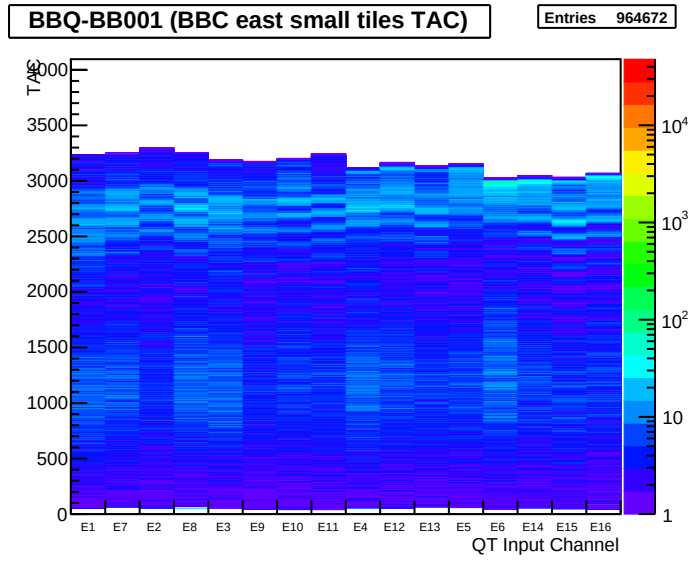

L2-TF201
Entries 60292
TOF total mult

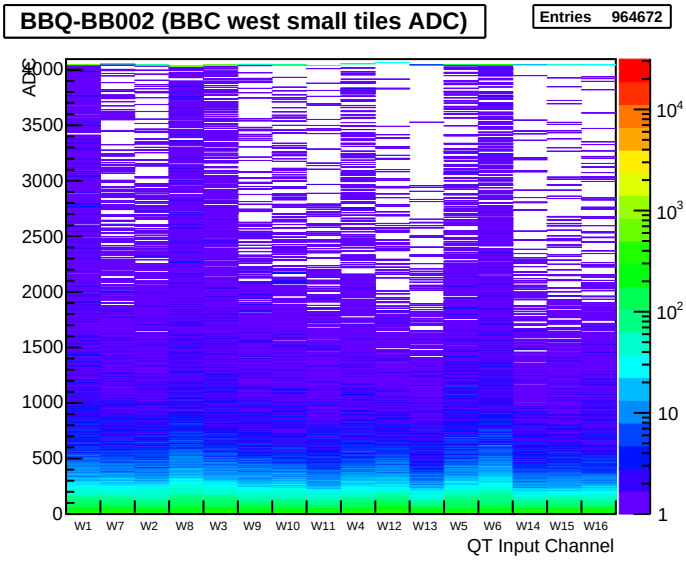

L2-TF201
Entries 0
TOF total mult(Real-Simu)

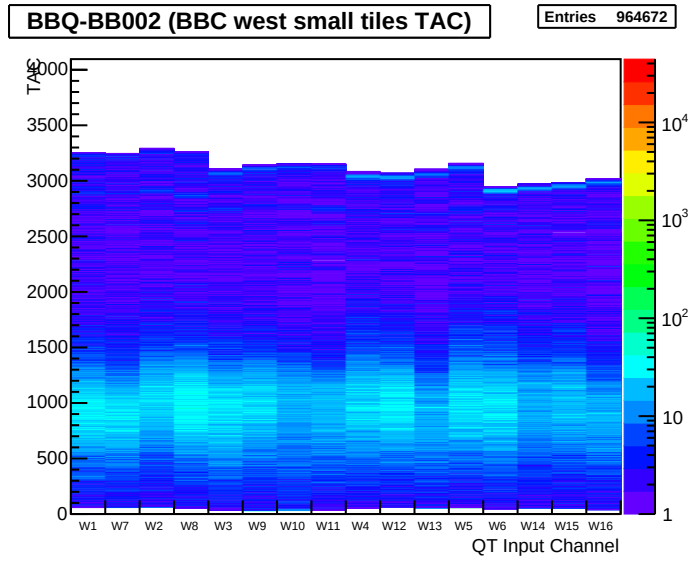

L2-TF201
Entries 422044
Threshold/UPC bits
52456 52857 52181 52683 52256 51937 56869
7836 7435 8111 7609 8036 8355 3423
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

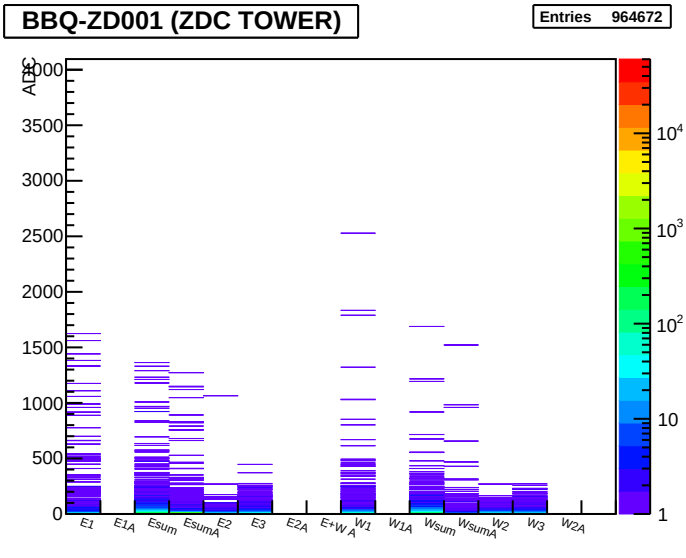

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

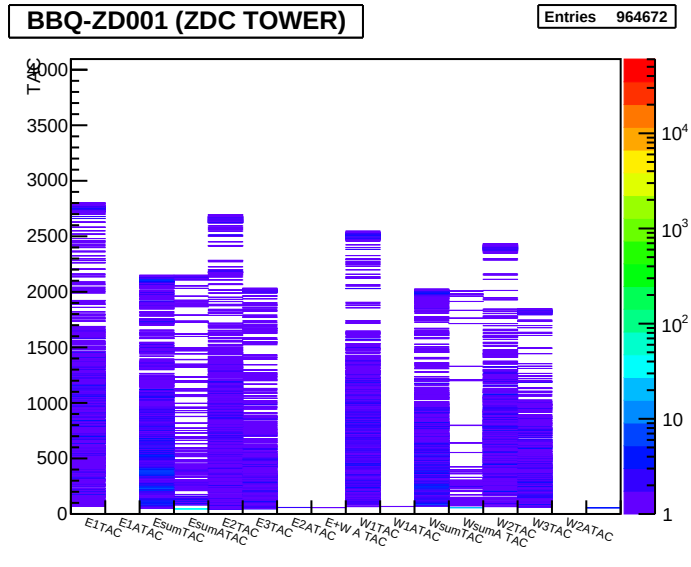

BBQ-BB001 (BBC east small tiles ADC)
Entries 964672
ADC
QT Input Channel

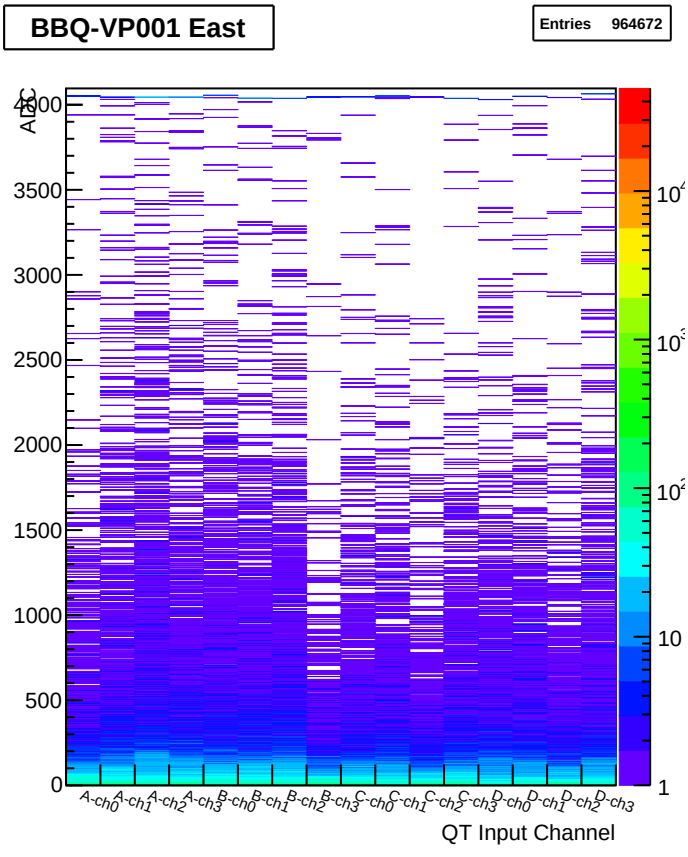

BBQ-BB001 (BBC east small tiles TAC)
Entries 964672
TAC
QT Input Channel

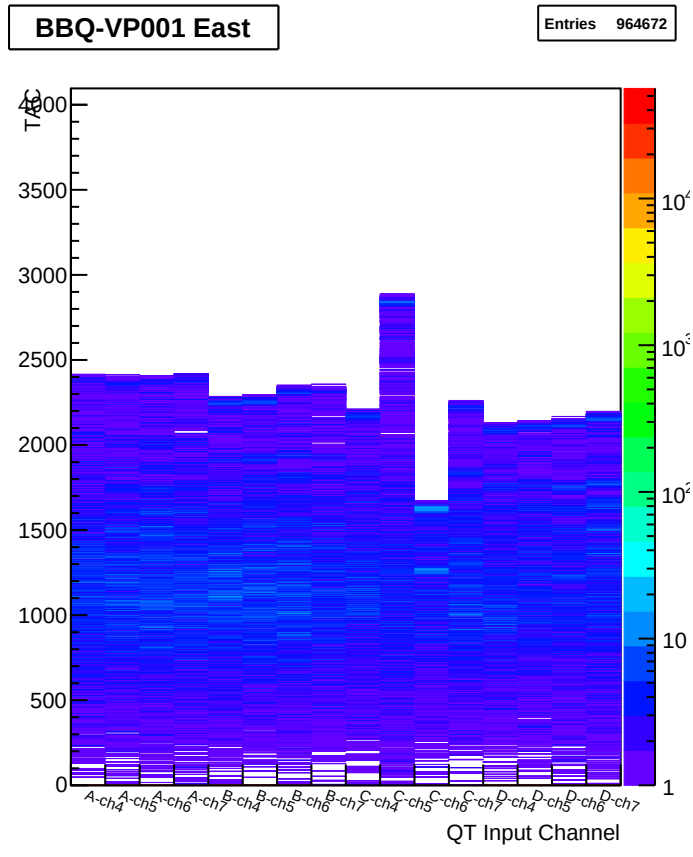

BBQ-BB002 (BBC west small tiles ADC)
Entries 964672
ADC
QT Input Channel

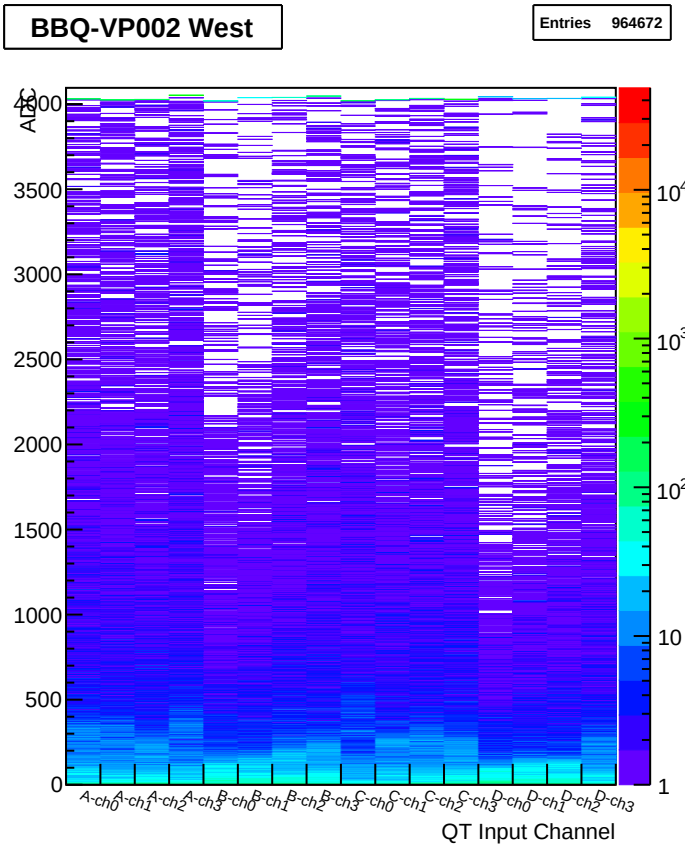

BBQ-BB002 (BBC west small tiles TAC)
Entries 964672
TAC
QT Input Channel

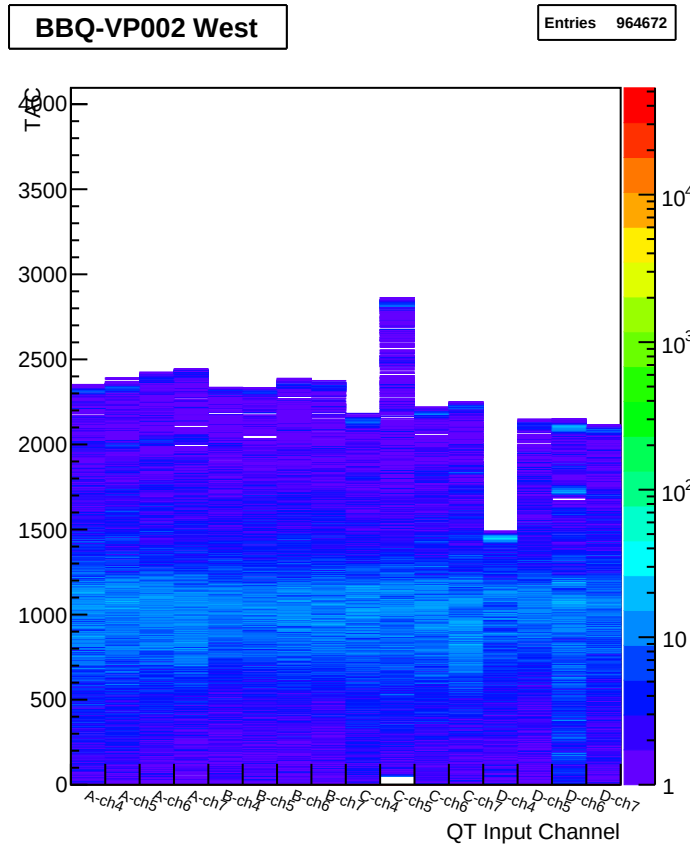

BBQ-ZD001 (ZDC TOWER)
Entries 964672
ADC

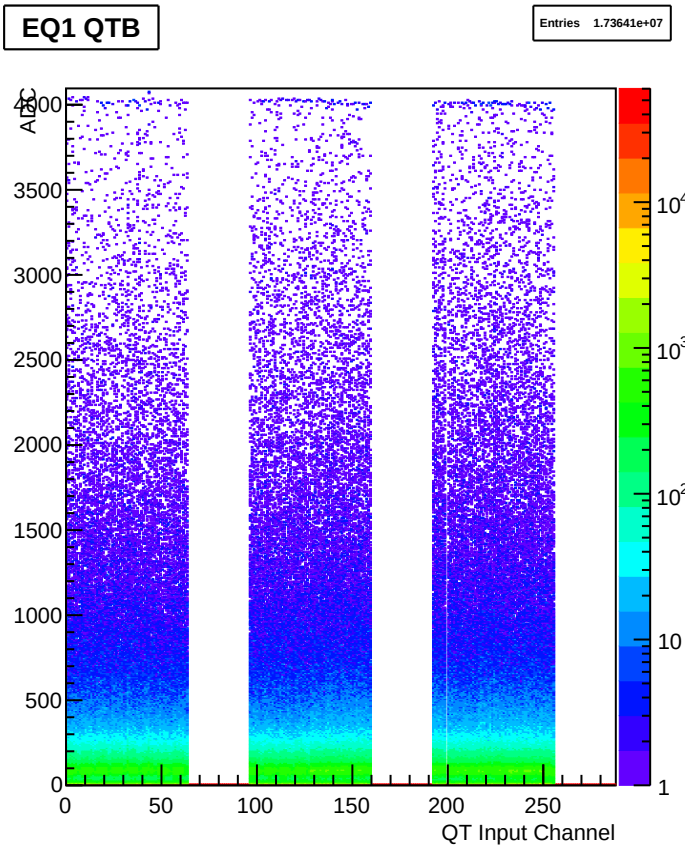

BBQ-ZD001 (ZDC TOWER)
Entries 964672
TAC

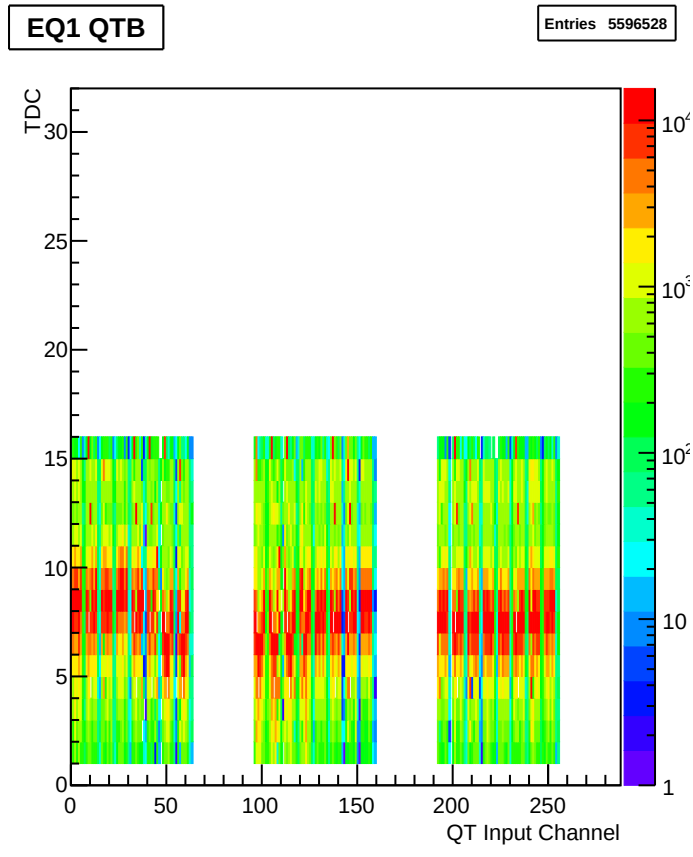

BBQ-VP001 East
Entries 964672
ADC
QT Input Channel

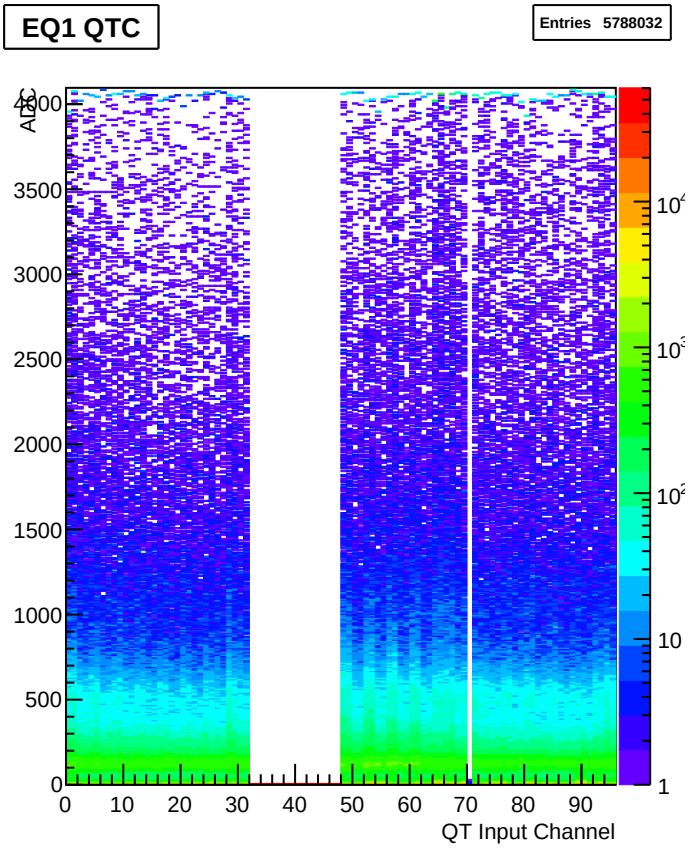

BBQ-VP001 East
Entries 964672
TADC
QT Input Channel

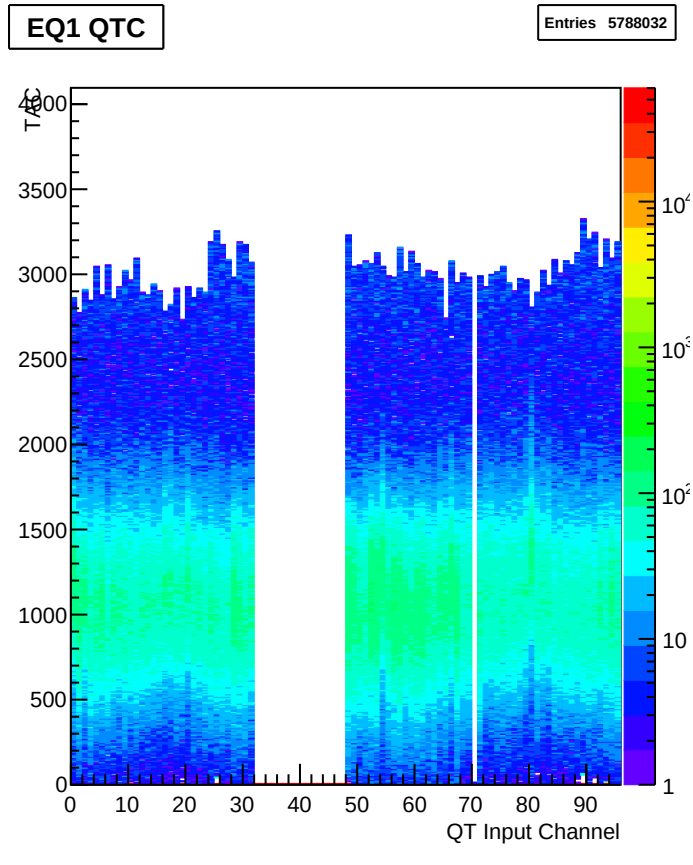

BBQ-VP002 West
Entries 964672
ADC
QT Input Channel

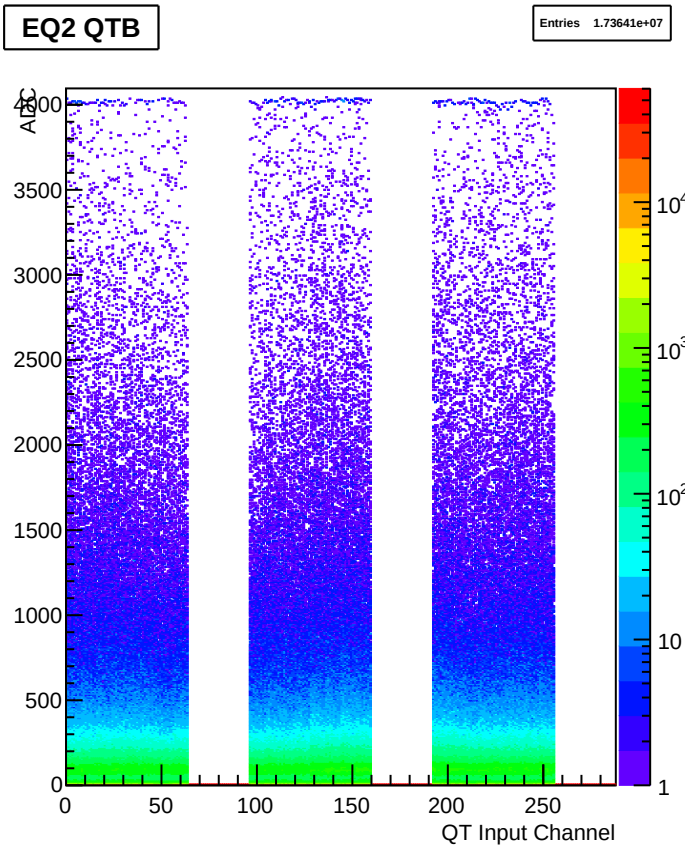

BBQ-VP002 West
Entries 964672
TADC
QT Input Channel

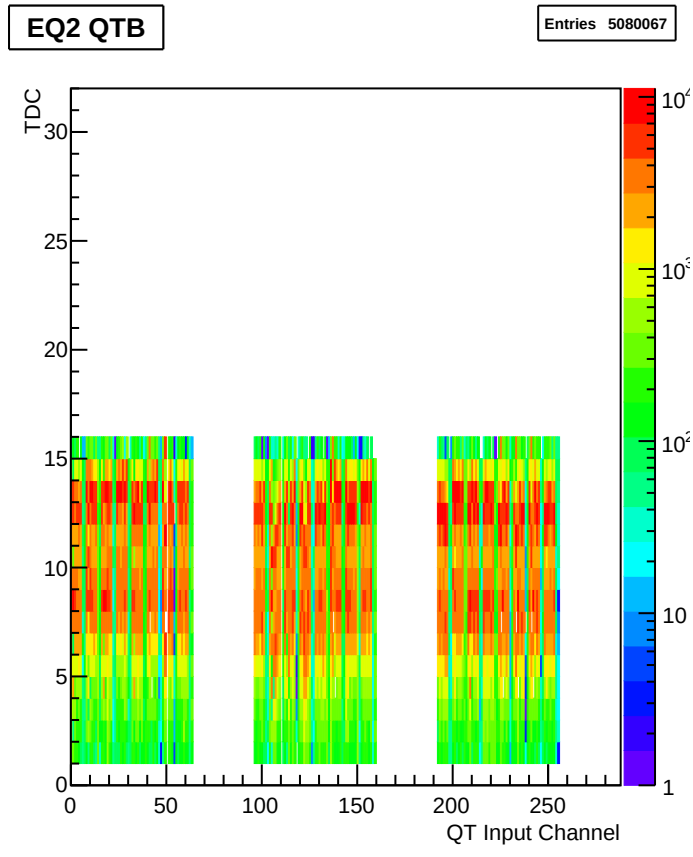

EQ1 QTB
Entries 1.73641e+07
ADC
QT Input Channel

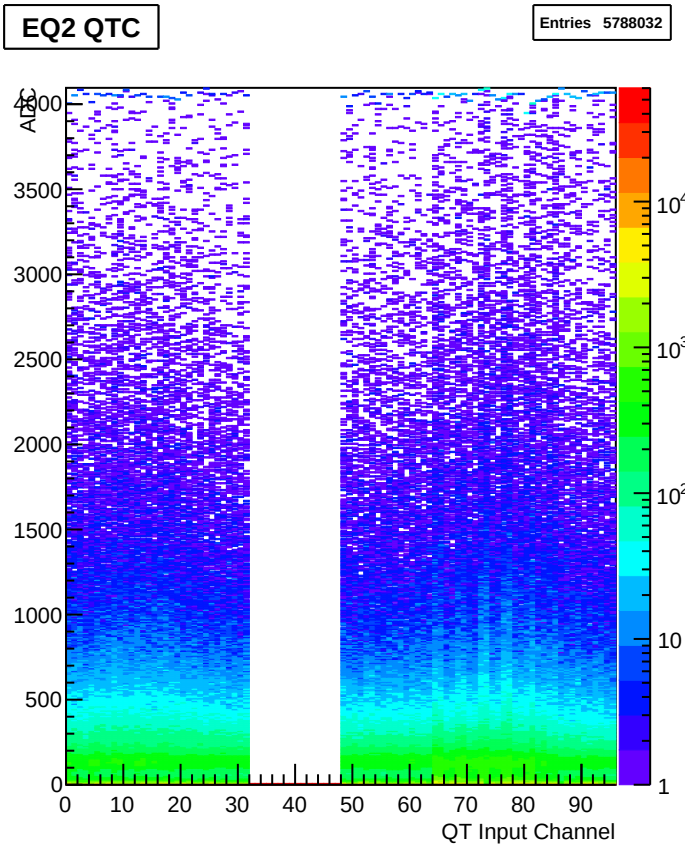

EQ1 QTB
Entries 5596528
TDC
QT Input Channel

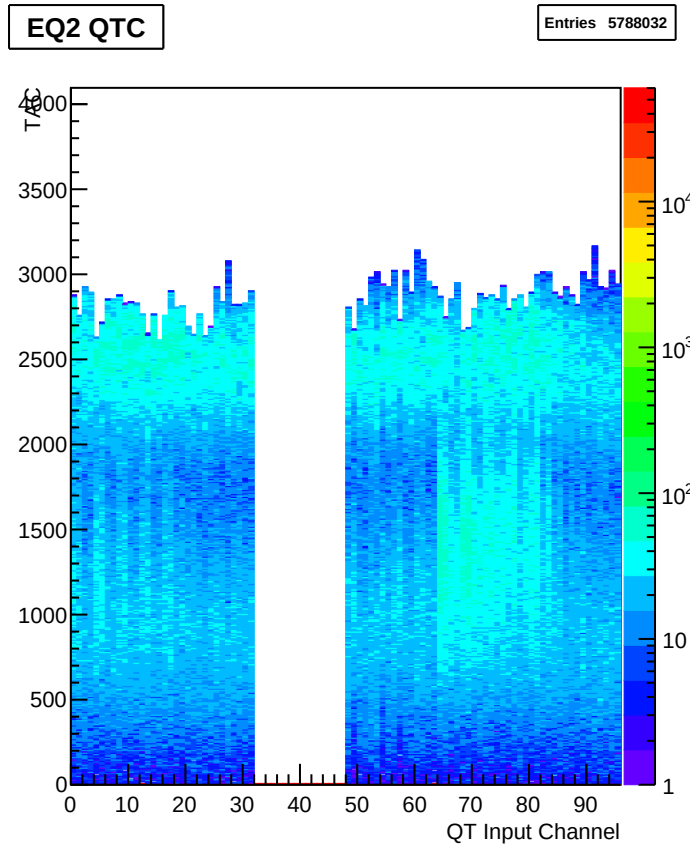

EQ1 QTC
Entries 5788032
ADC
QT Input Channel

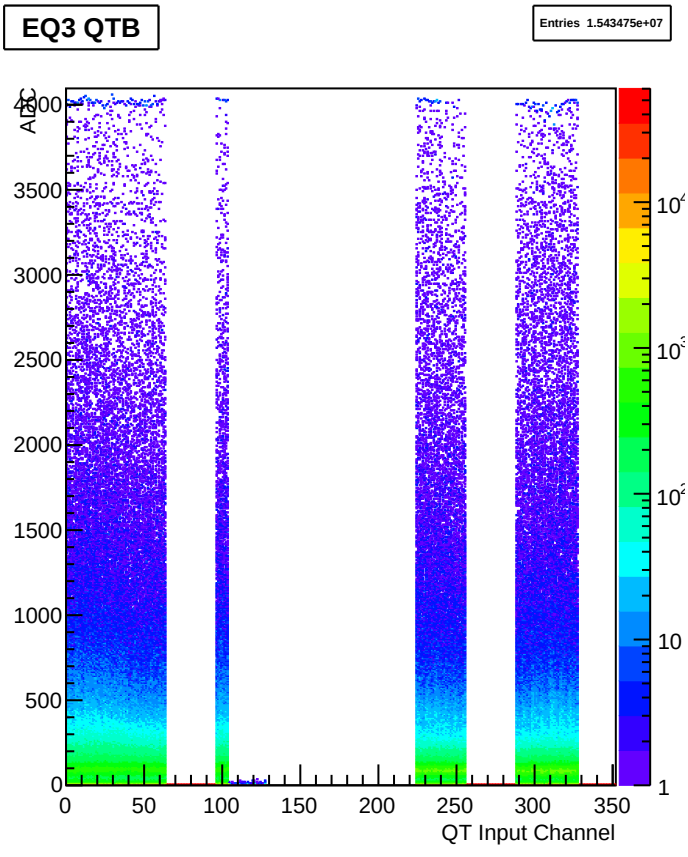

EQ1 QTC
Entries 5788032
TADC
QT Input Channel

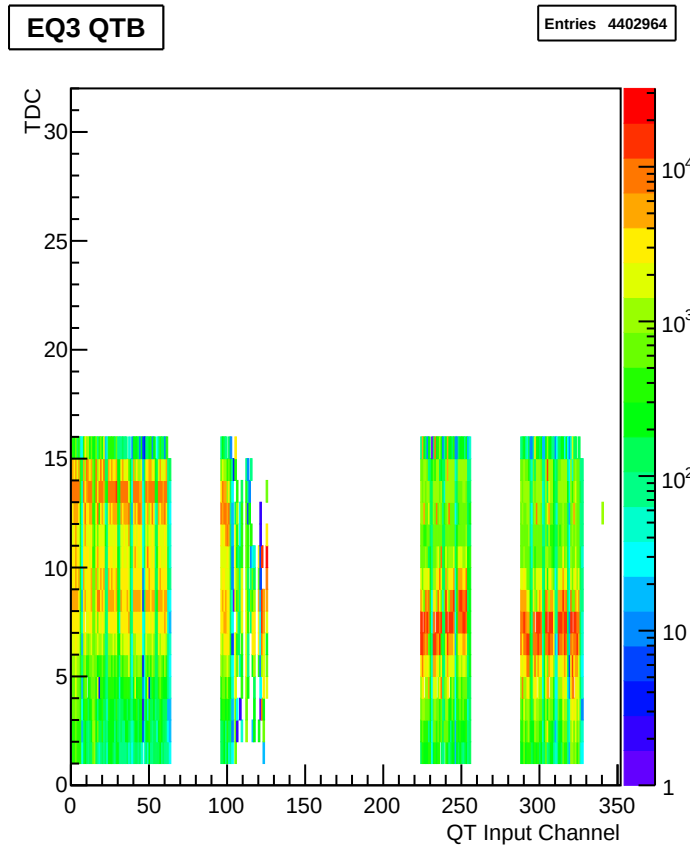

EQ2 QTB
Entries 1.73641e+07
ADC
QT Input Channel

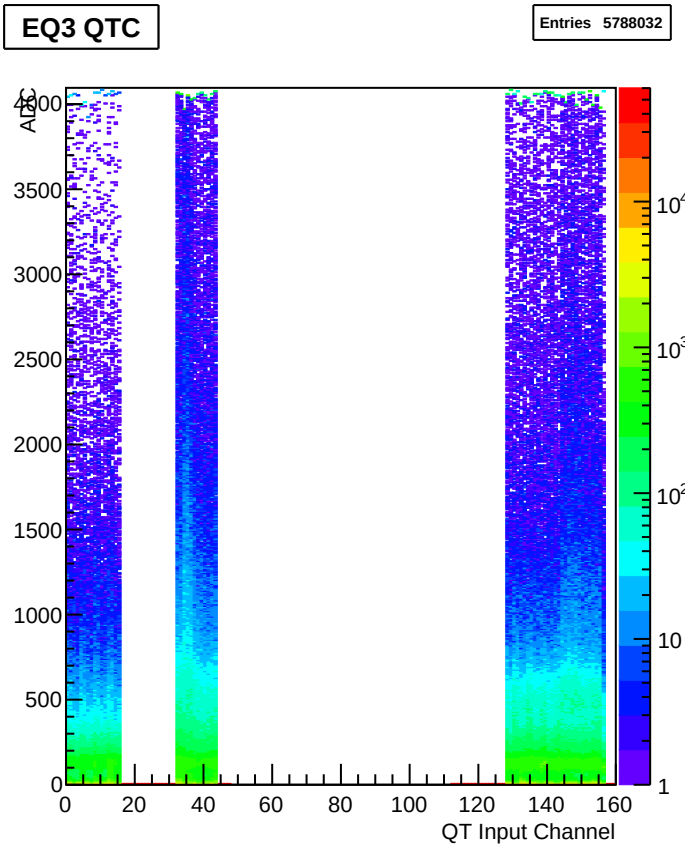

EQ2 QTB
Entries 5080067
TDC
QT Input Channel

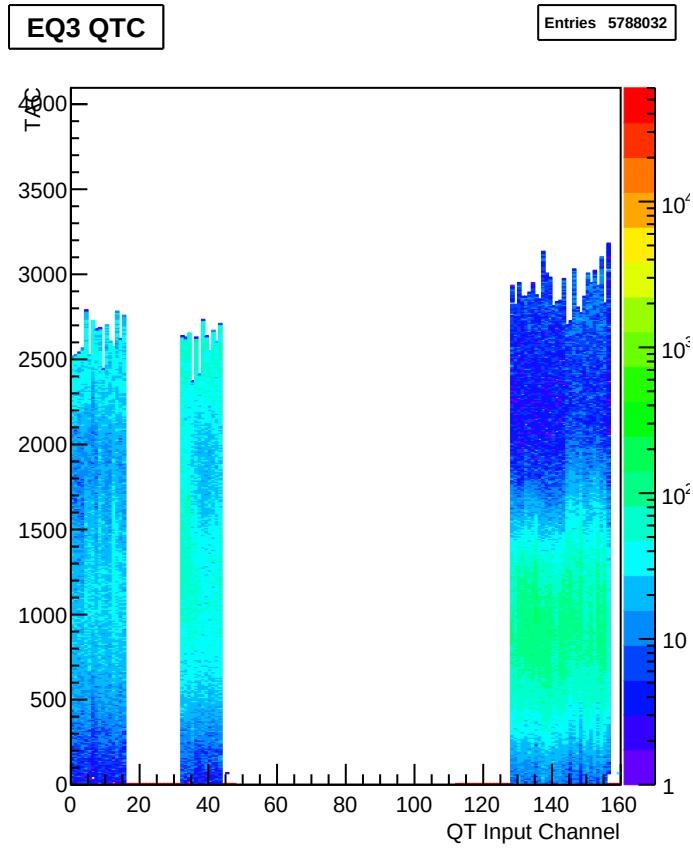

EQ2 QTC
Entries 5788032
ADC
QT Input Channel

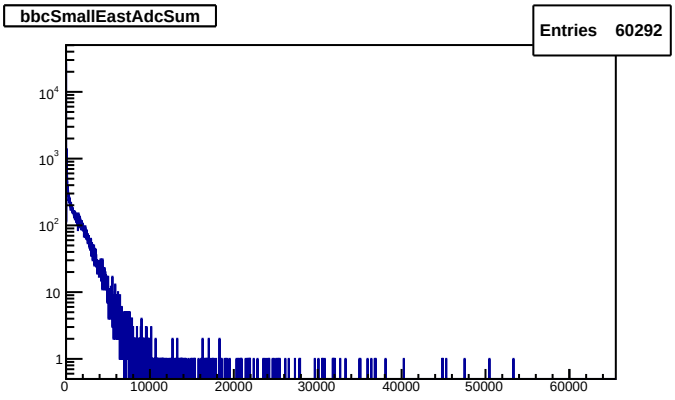

EQ2 QTC
Entries 5788032
TADC
QT Input Channel

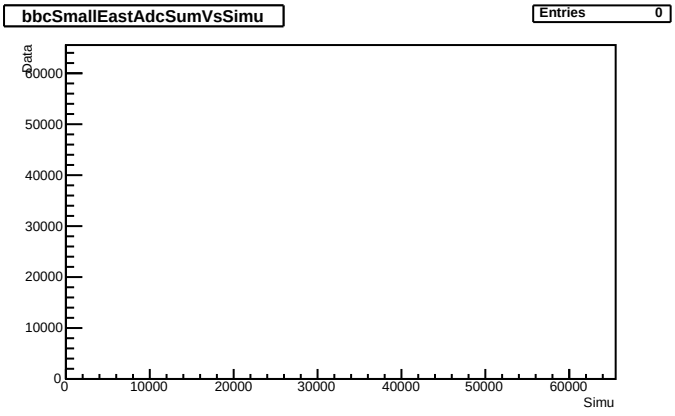

EQ3 QTB
Entries 1.543475e+07
ADC
QT Input Channel

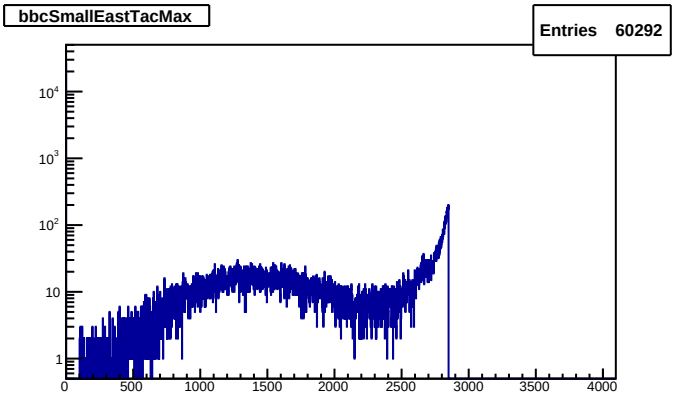

EQ3 QTB
Entries 4402964
TDC
QT Input Channel

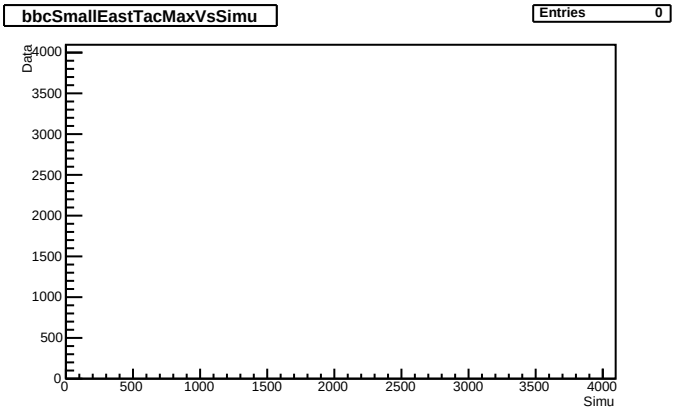

EQ3 QTC
Entries 5788032
ADC
QT Input Channel

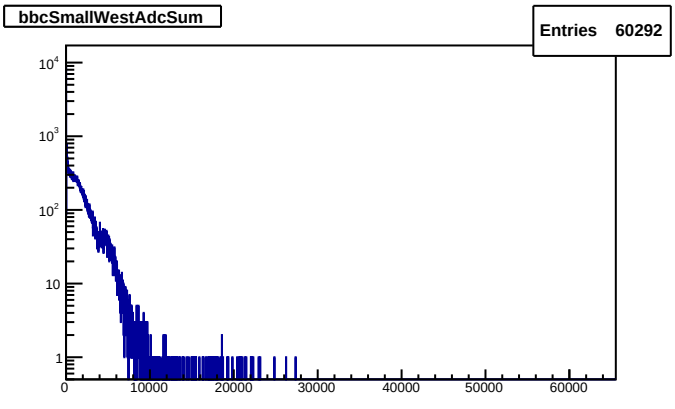

EQ3 QTC
Entries 5788032
TADC
QT Input Channel

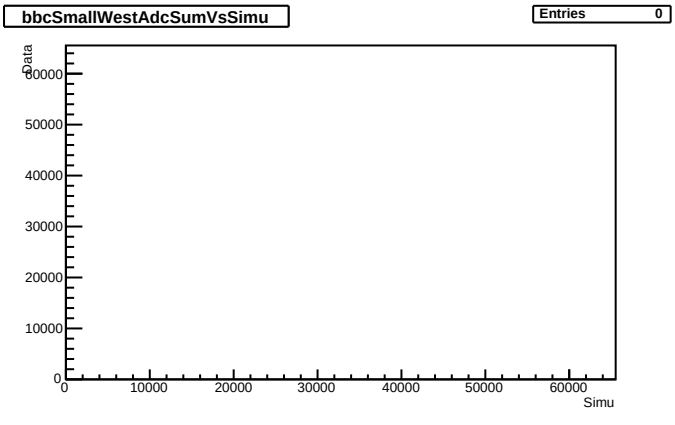

bbcSmallEastAdcSum
Entries 60292

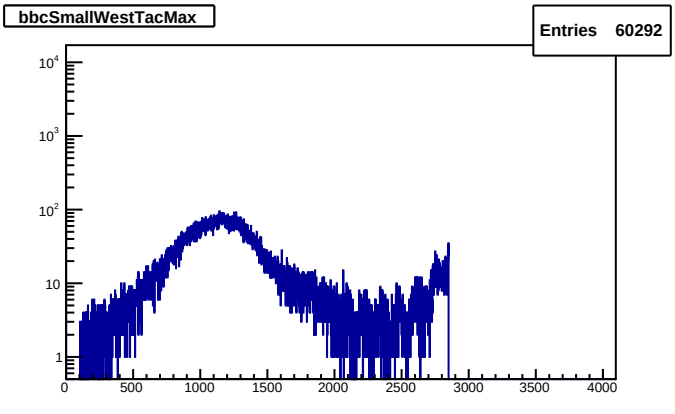

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

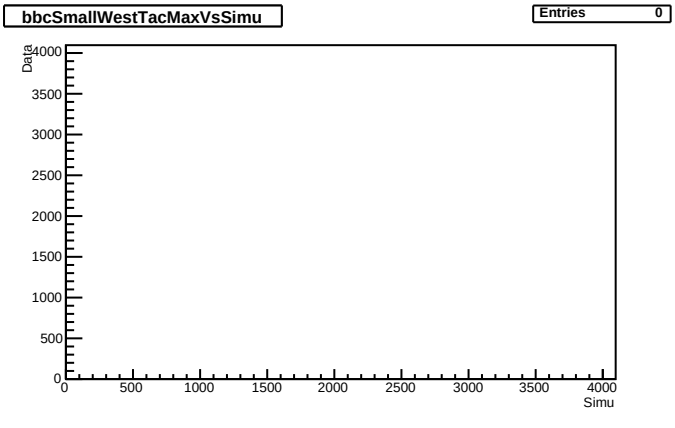

bbcSmallEastTacMax
Entries 60292

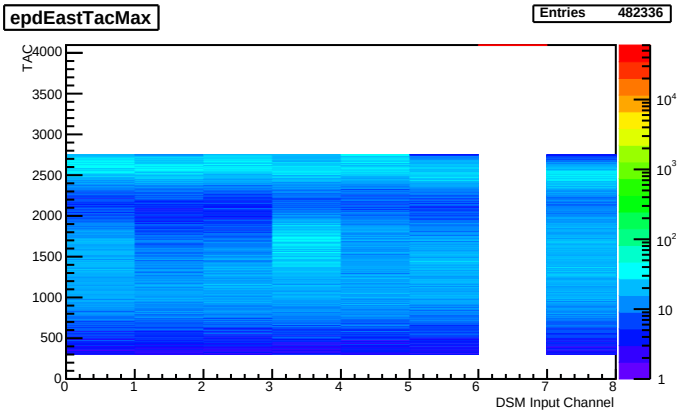

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

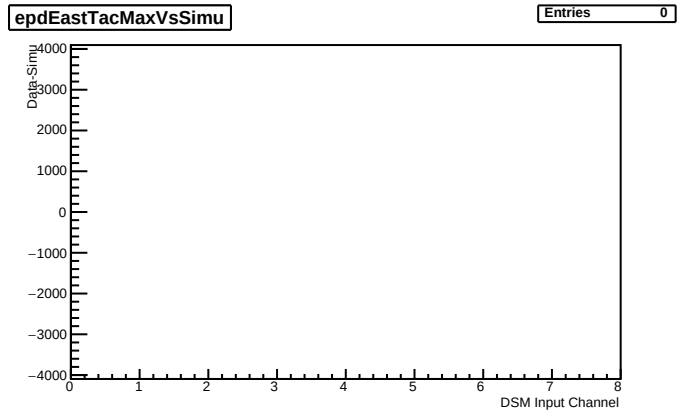

bbcSmallWestAdcSum
Entries 60292

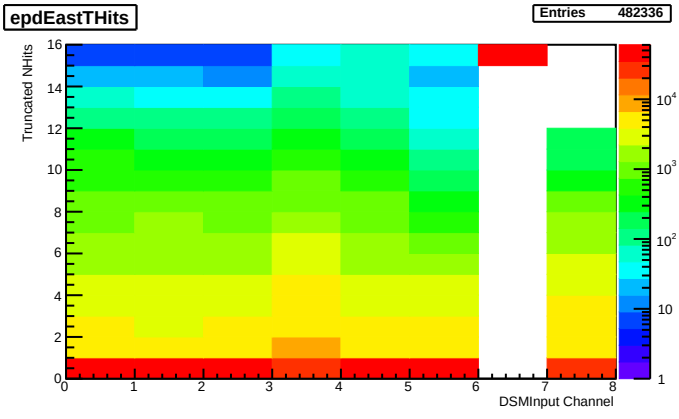

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

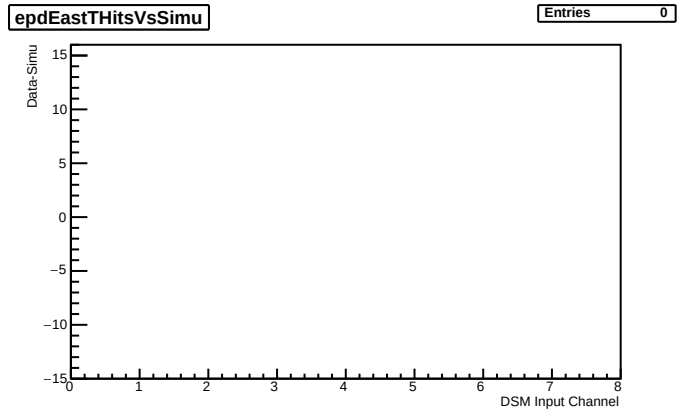

bbcSmallWestTacMax
Entries 60292

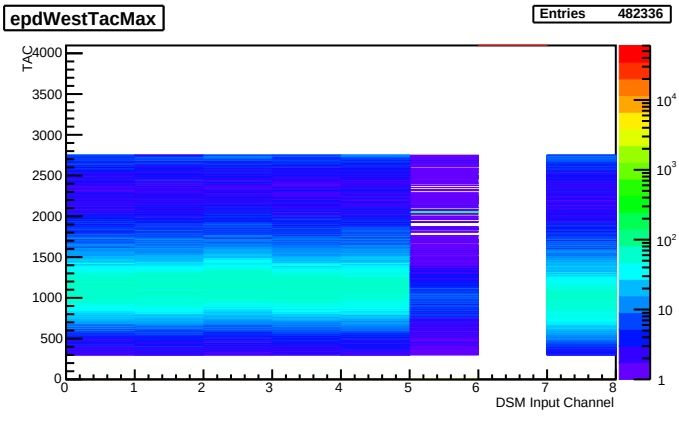

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

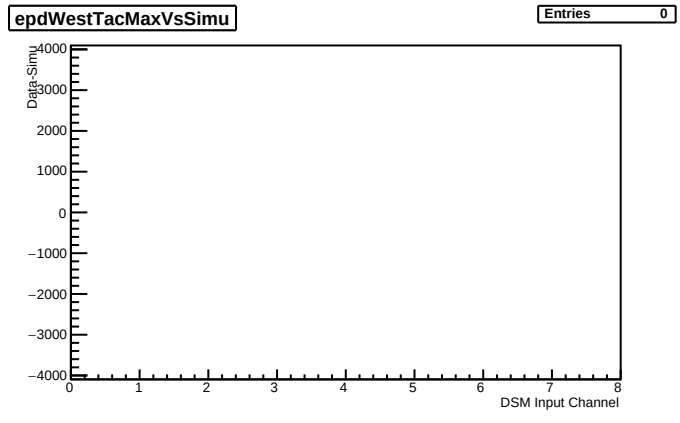

epdEastTacMax
Entries 482336
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 482336
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 482336
TAC
DSM Input Channel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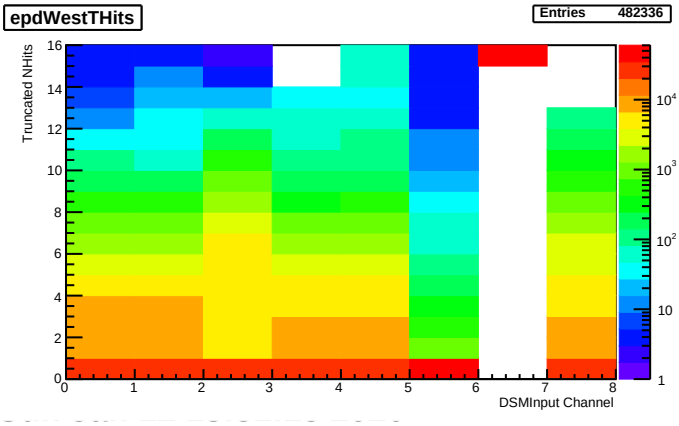
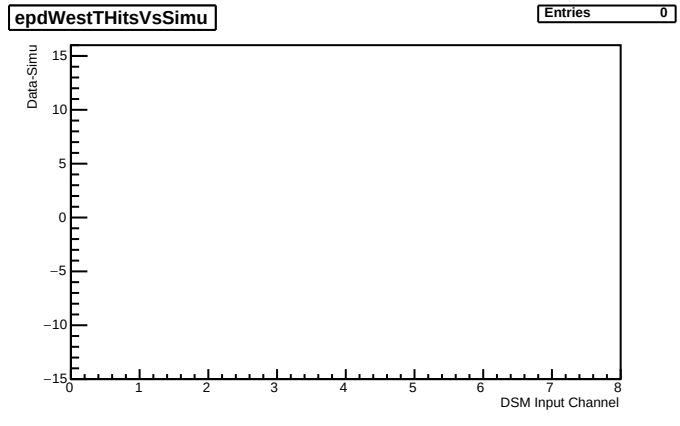
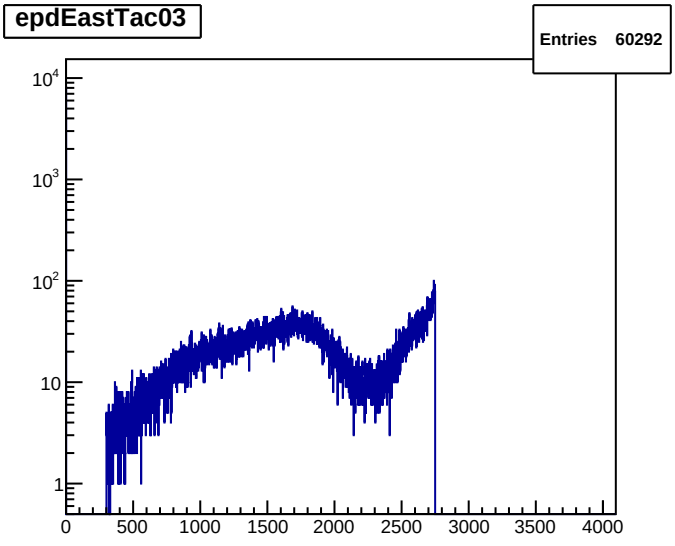
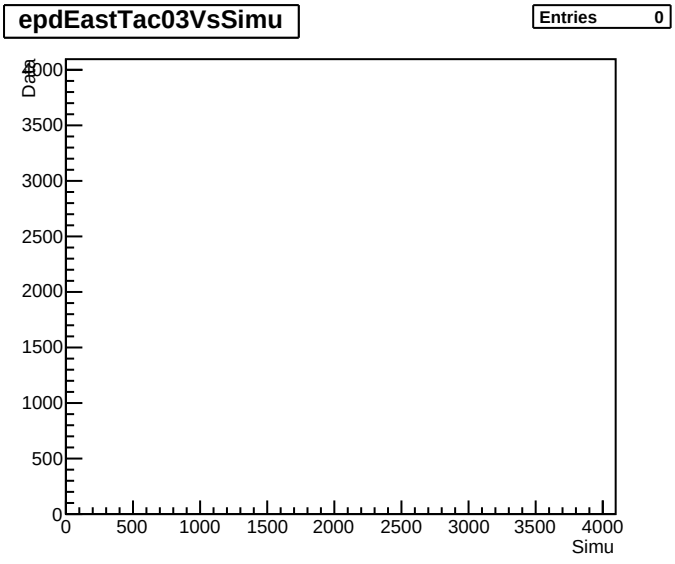
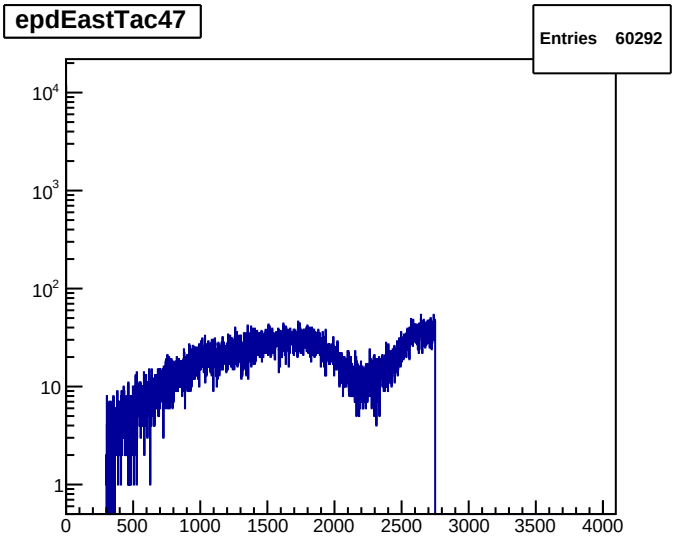
Entries 0
Data-Simu
DSM Input Channel

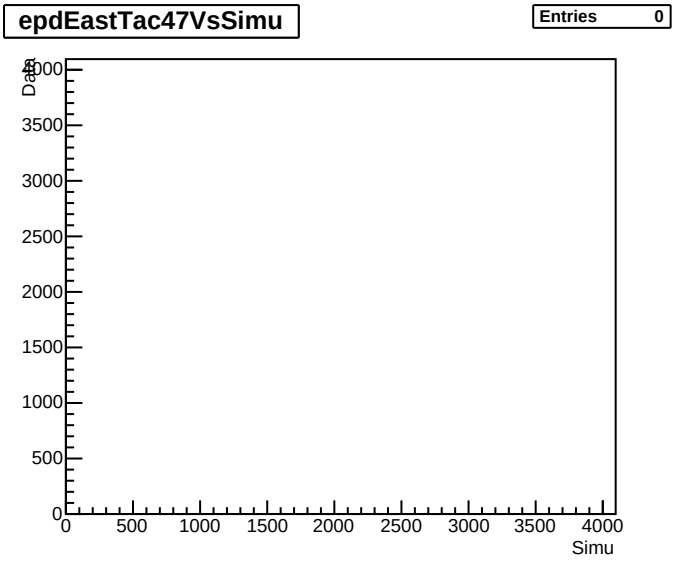

epdWestTHits
Entries 482336
Truncated NHits
DSMInput Channel

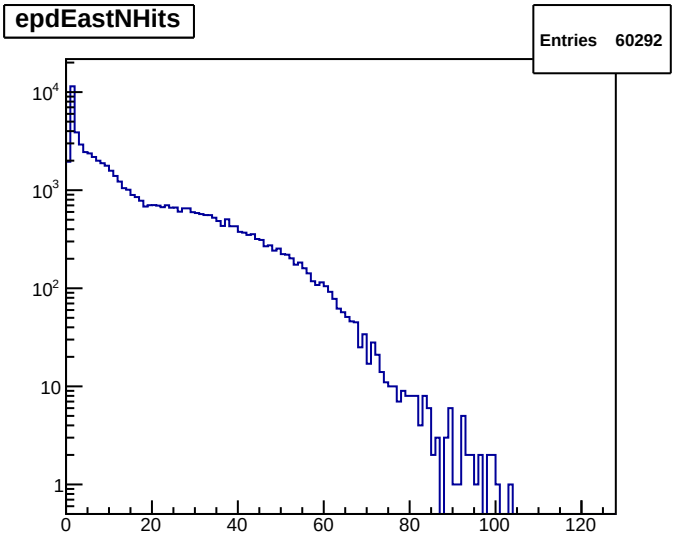

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

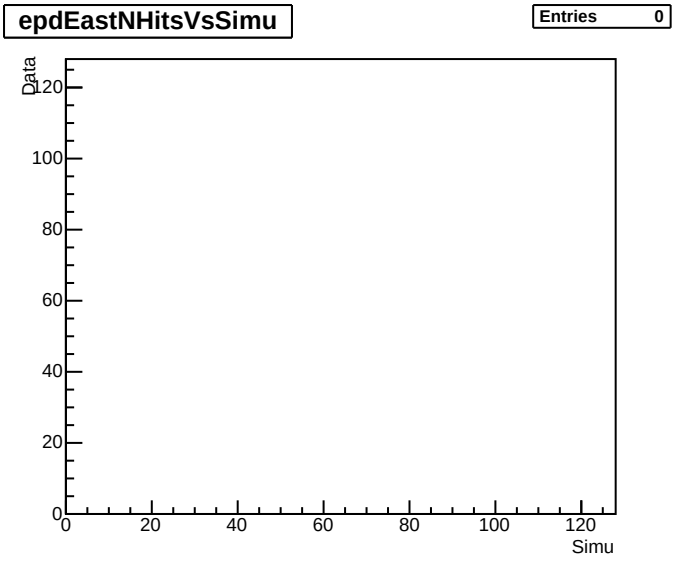

epdEastTac03
Entries 60292


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 60292


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 60292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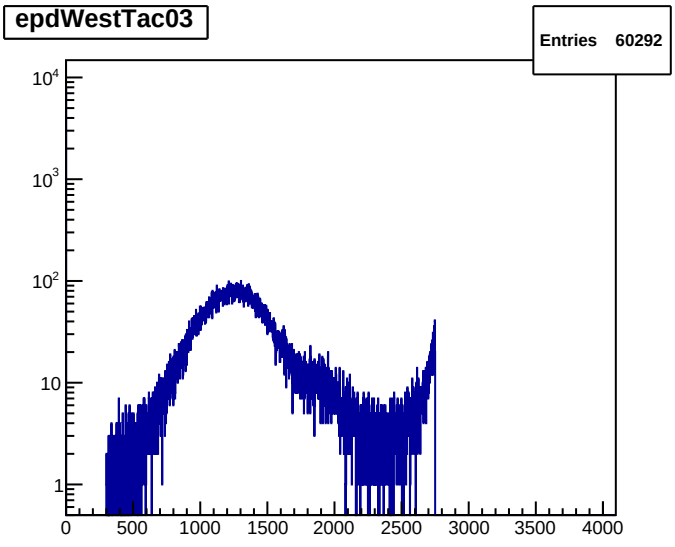
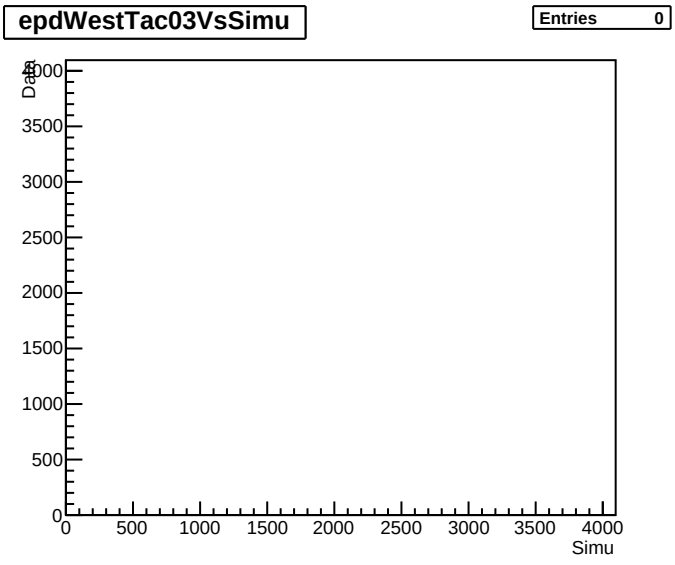
Entries 0
Data
Simu


epdWestTac03
Entries 60292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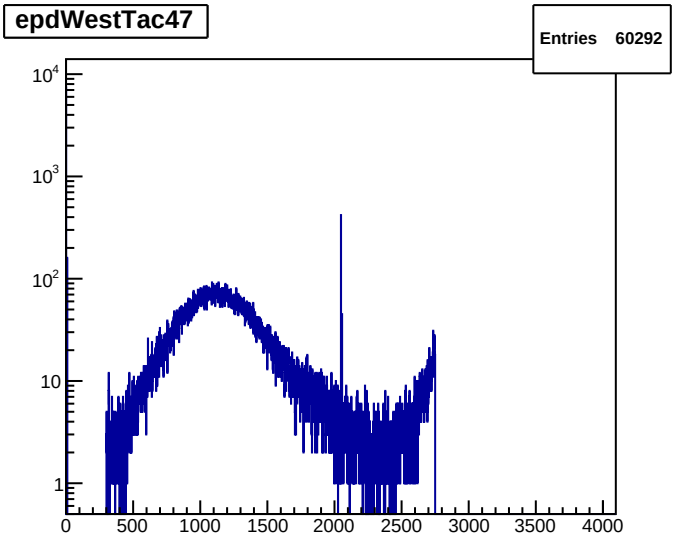
Entries 0
Data
Simu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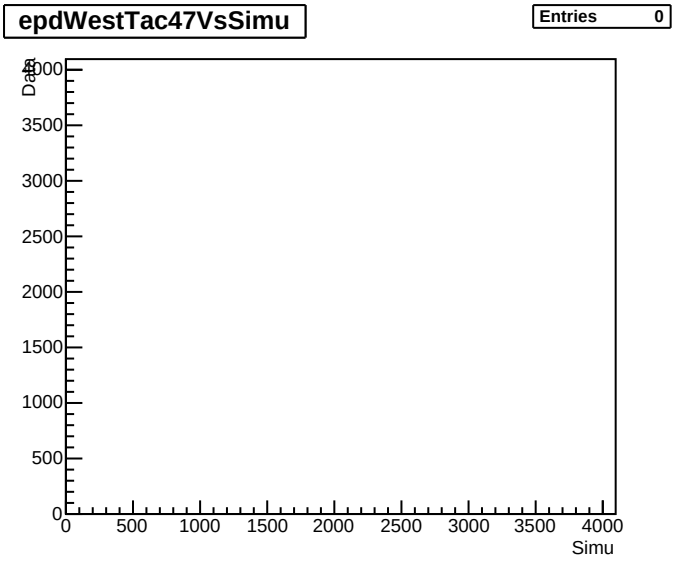
Entries 60292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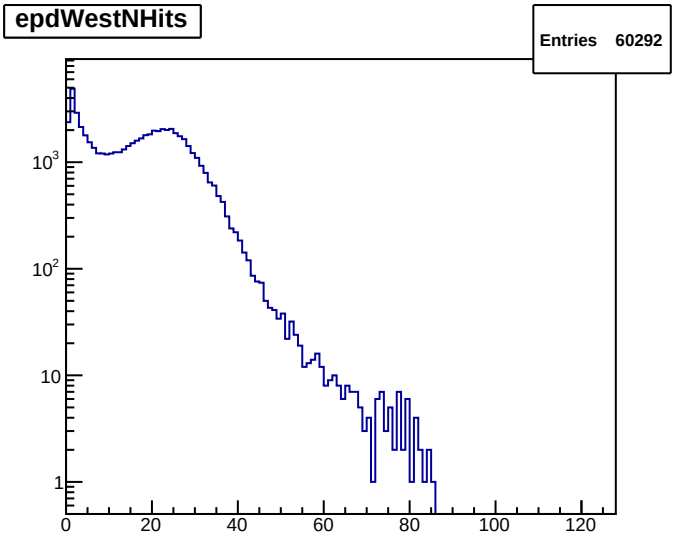
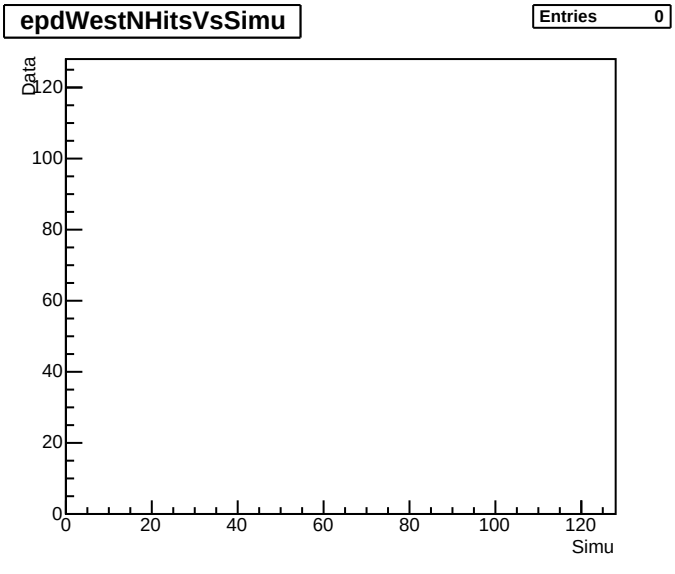
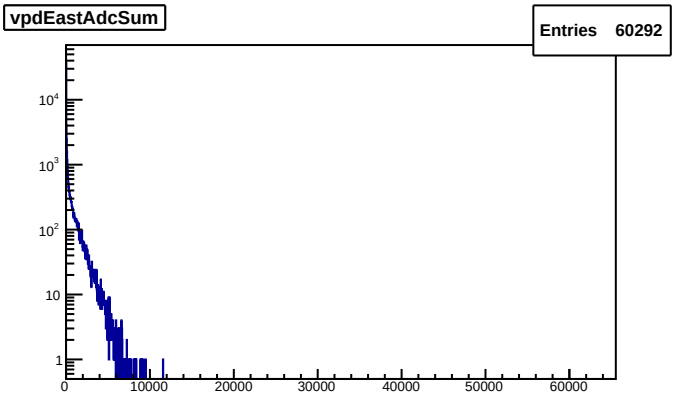
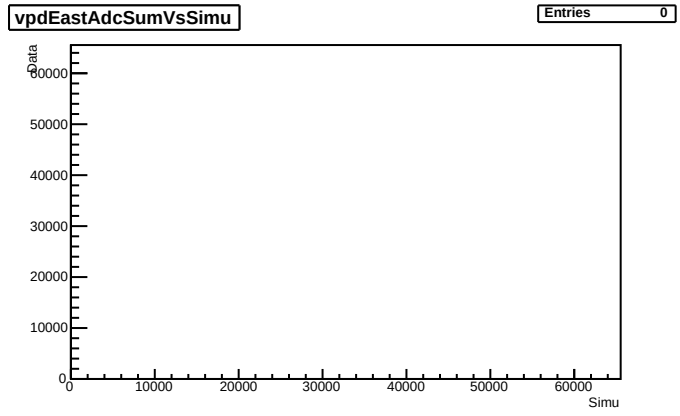
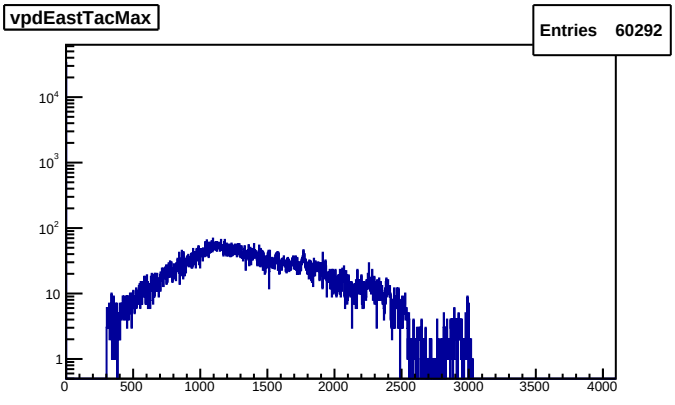
Entries 0
Data
Simu

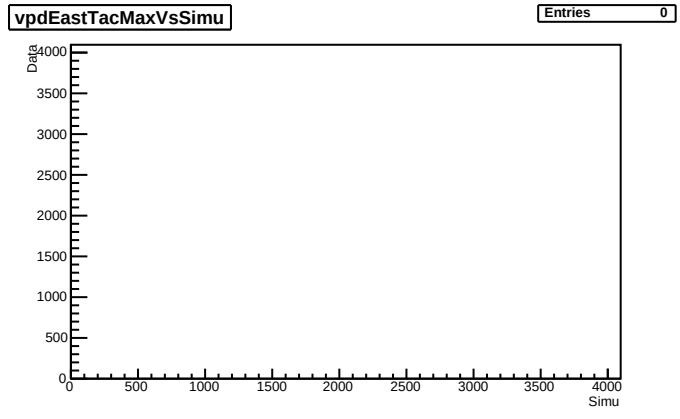

epdWestNHits
Entries 60292


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 60292


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 60292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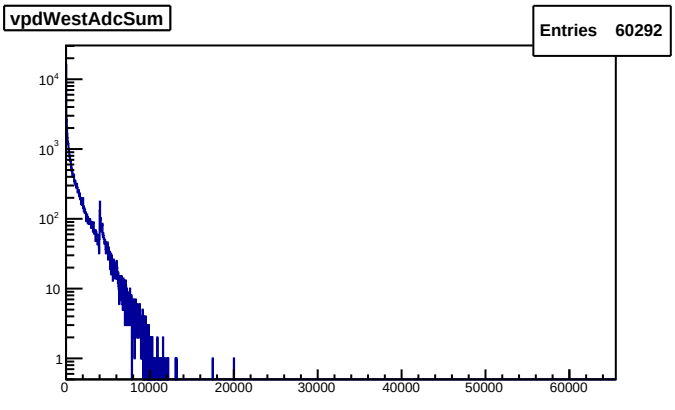
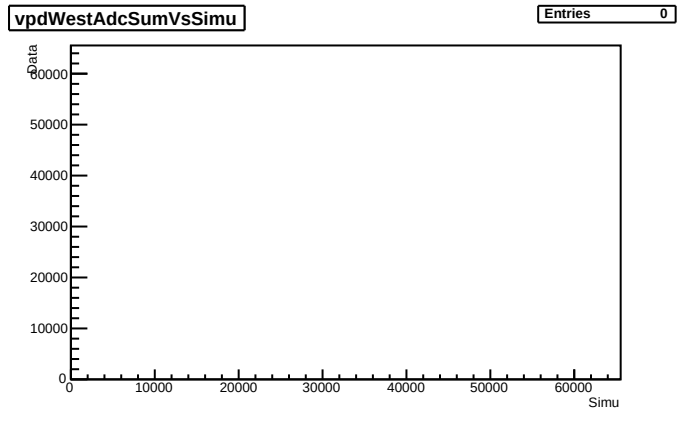
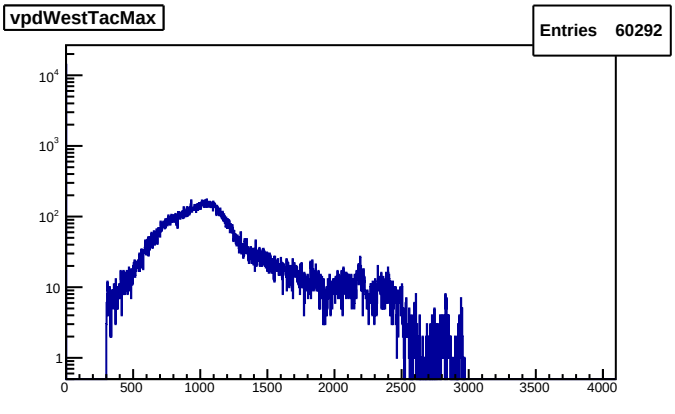
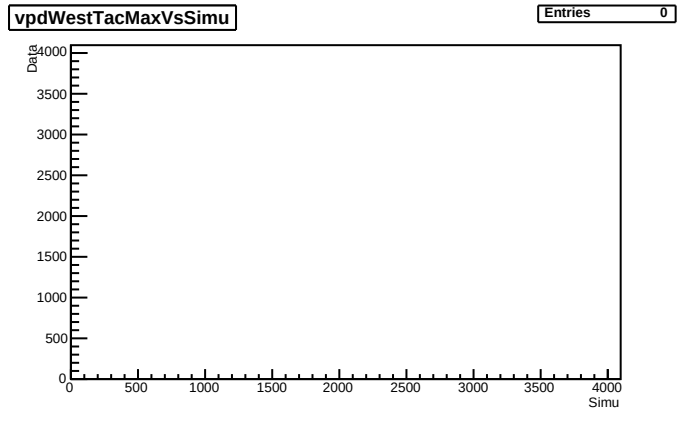
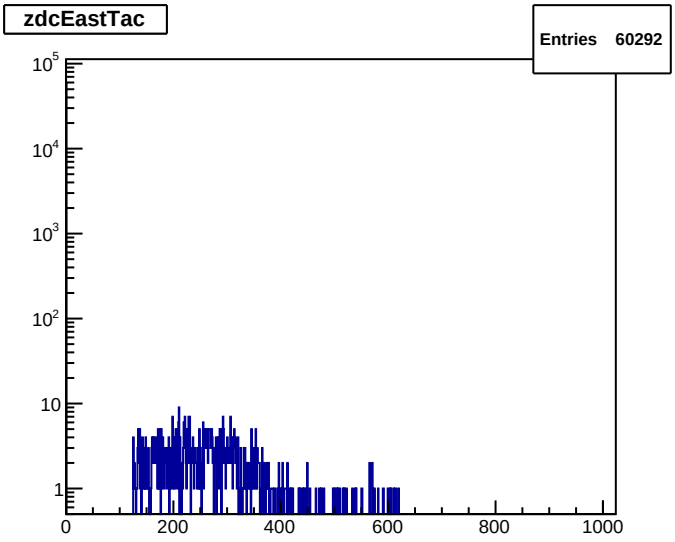
Entries 0
Data
Simu

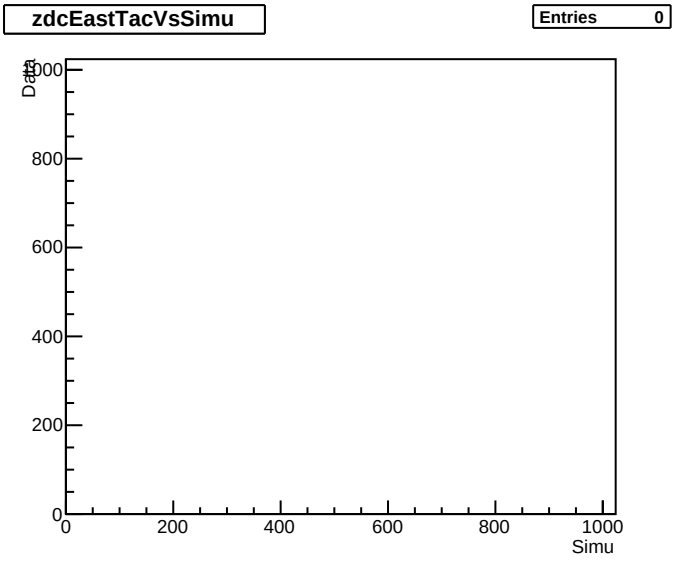

vpdWestAdcSum
Entries 60292

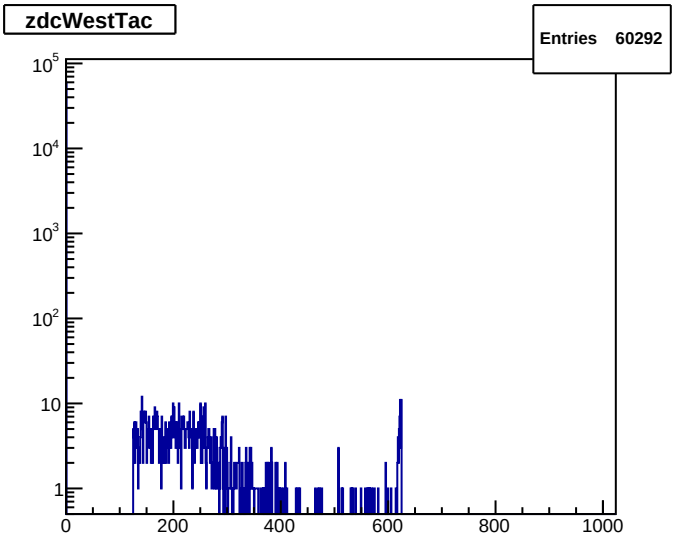

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

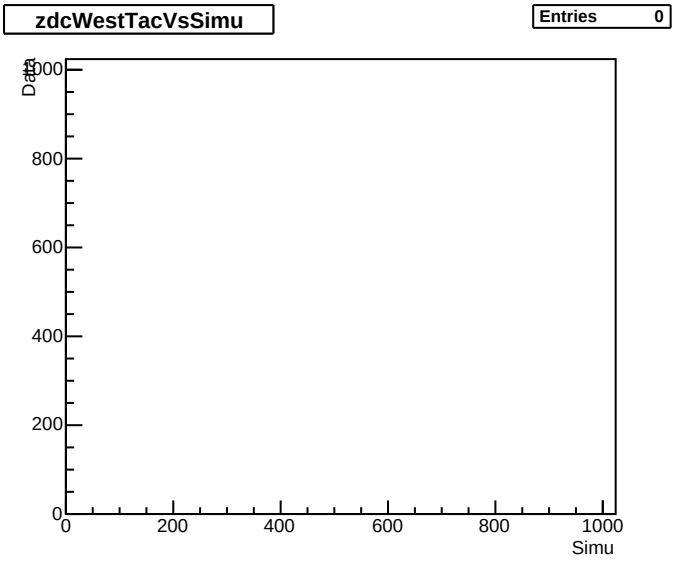

vpdWestTacMax
Entries 60292

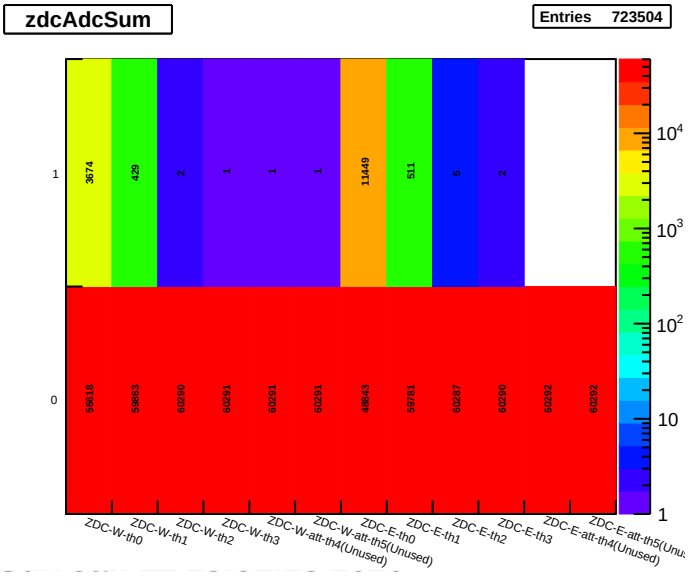

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

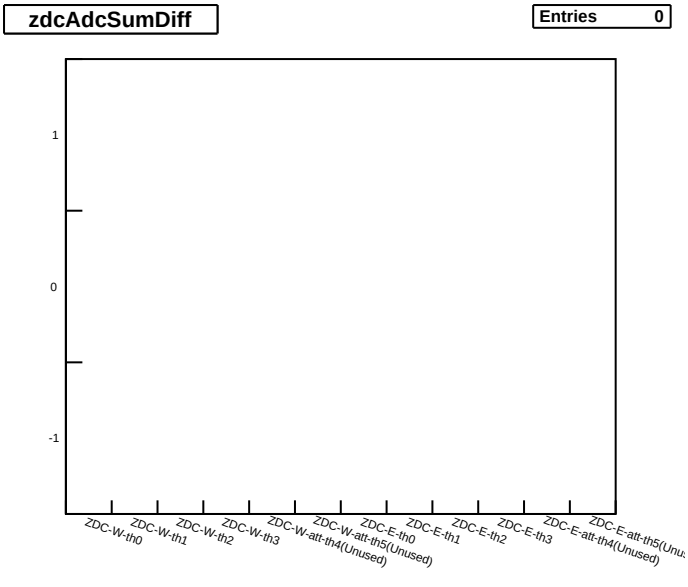

zdcEastTac
Entries 60292

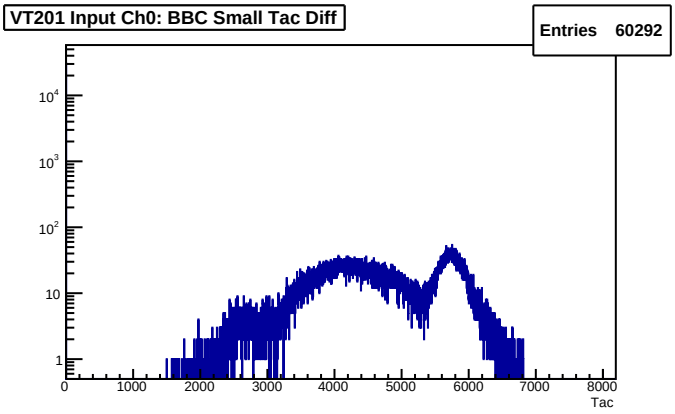

zdcEastTacVsSimu
Entries 0
Data
Simu

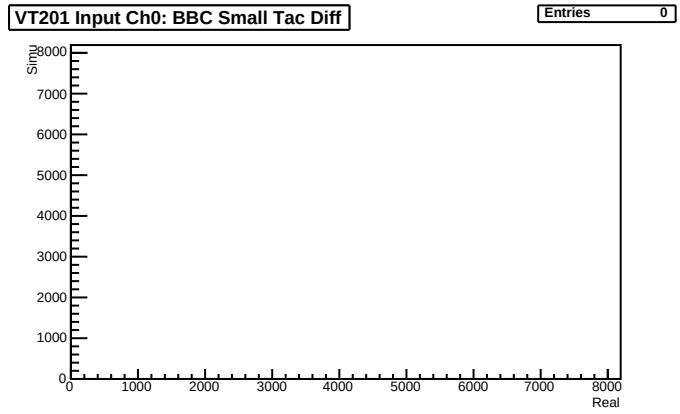

zdcWestTac
Entries 60292

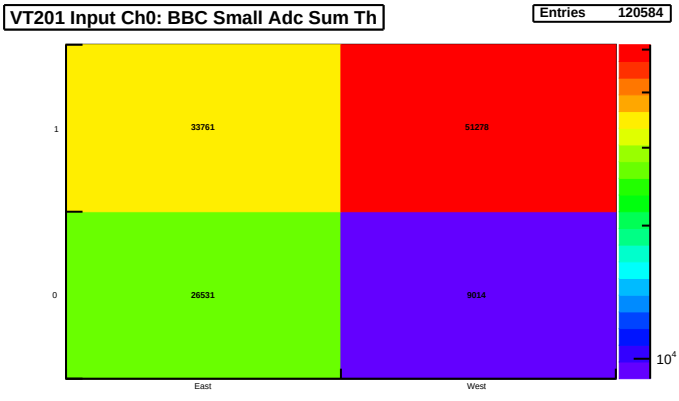

zdcWestTacVsSimu
Entries 0
Data
Simu

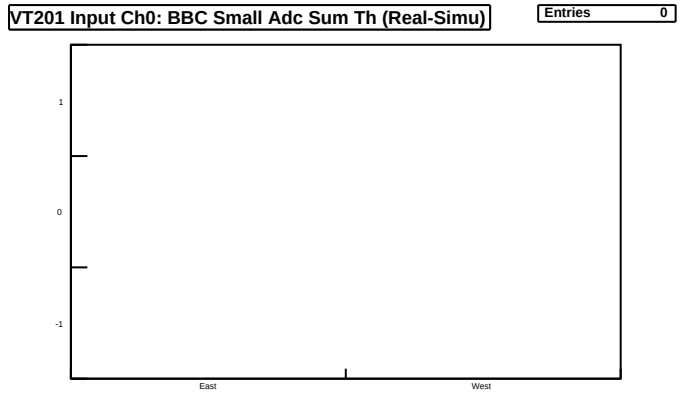

zdcAdcSum
Entries 723504
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

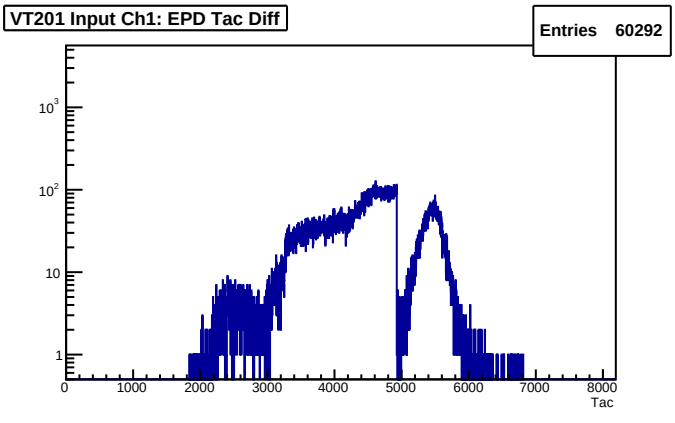

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

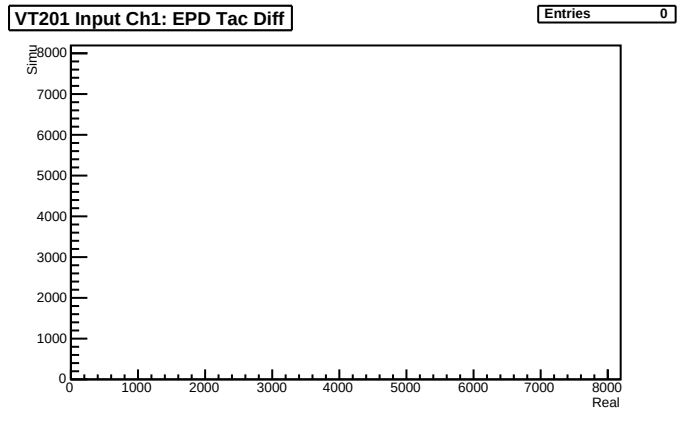

VT201 Input Ch0: BBC Small Tac Diff
Entries 60292
Tac

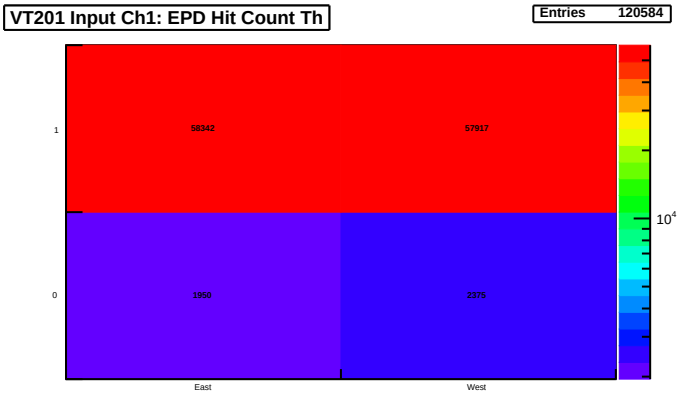

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

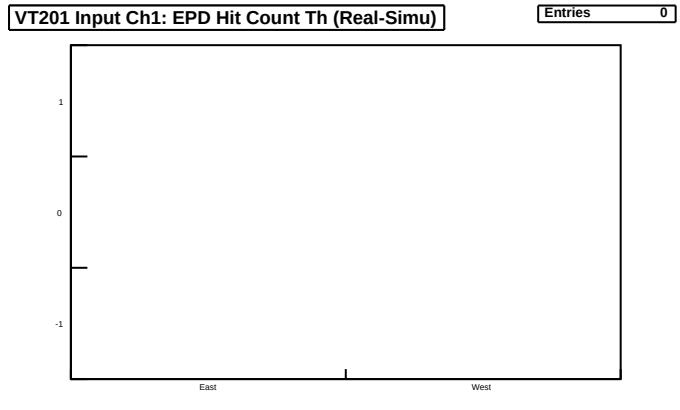

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 120584
33761
51278
26531
9014
East
West

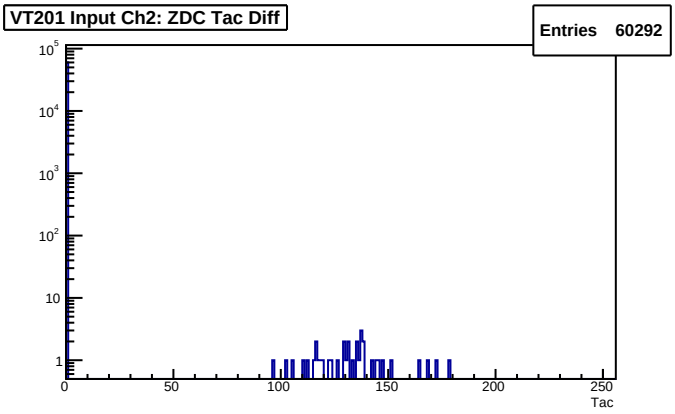

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

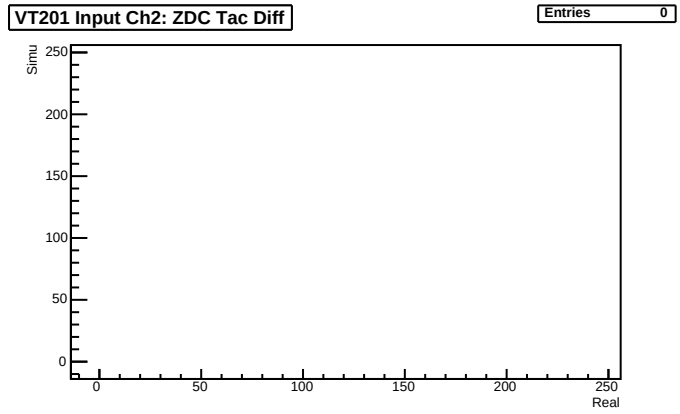

VT201 Input Ch1: EPD Tac Diff
Entries 60292
Tac

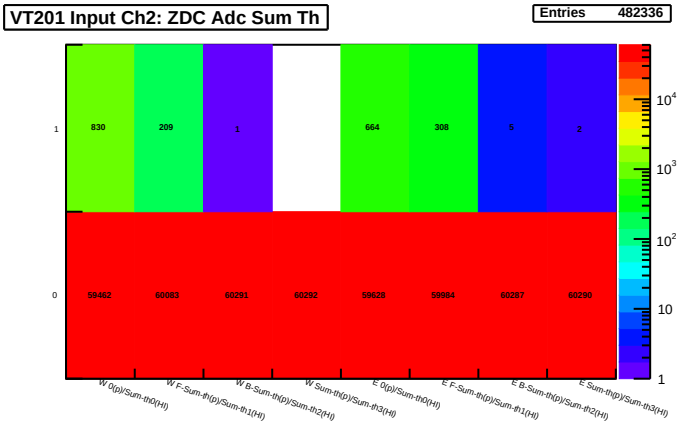

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

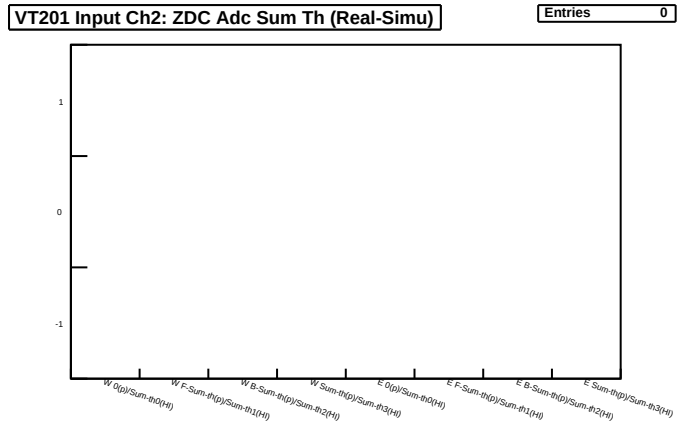

VT201 Input Ch1: EPD Hit Count Th
Entries 120584
58342
57917
1950
2375
East
West

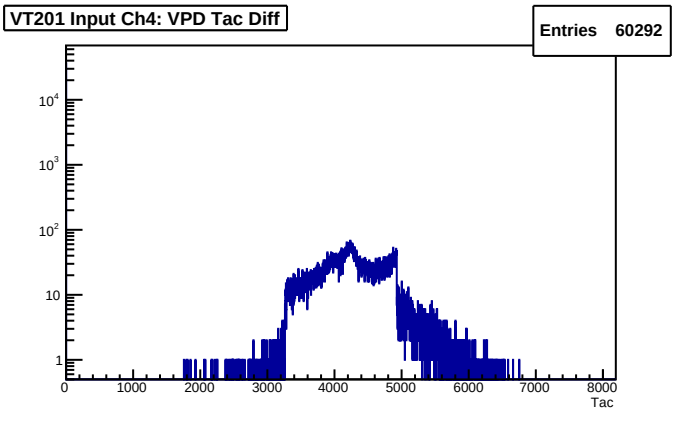

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

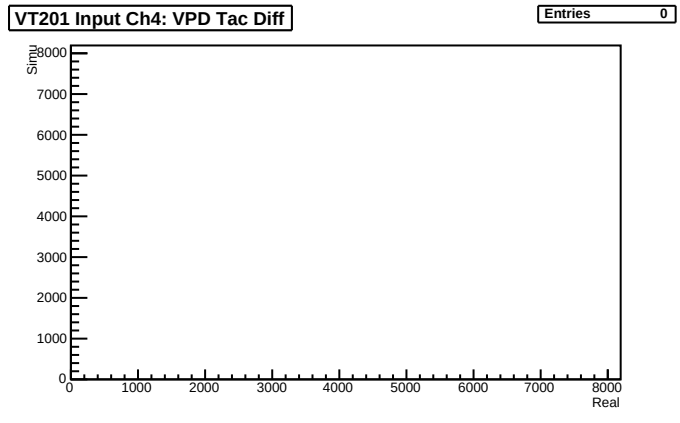

VT201 Input Ch2: ZDC Tac Diff
Entries 60292
Tac

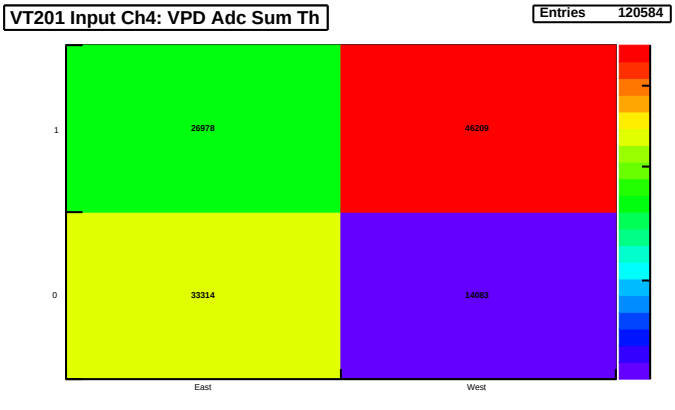

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

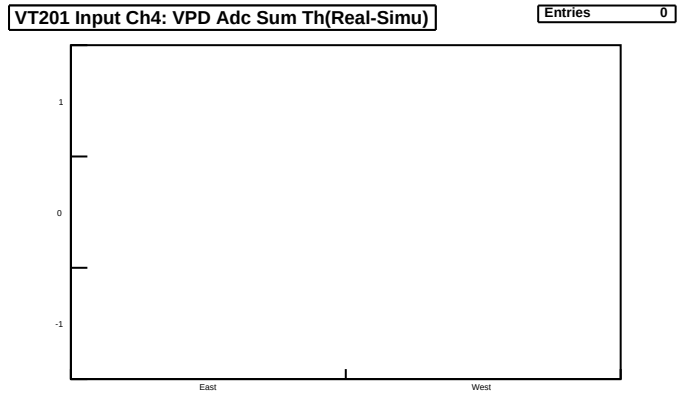

VT201 Input Ch2: ZDC Adc Sum Th
Entries 482336
830
209
1
664
308
5
2
59462
60083
60291
60292
59628
59984
60287
60290
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

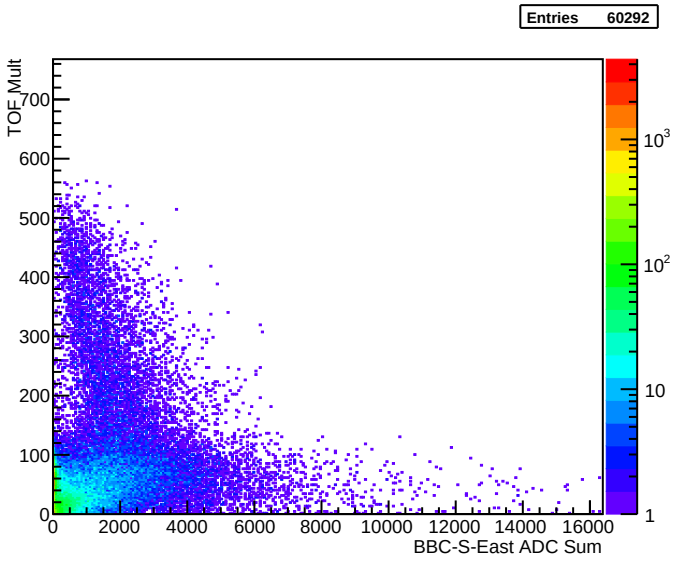

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

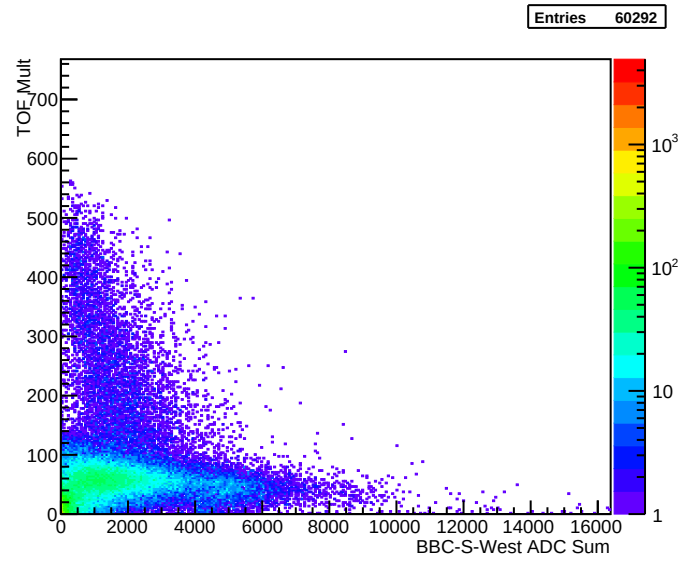

VT201 Input Ch4: VPD Tac Diff
Entries 60292
Tac

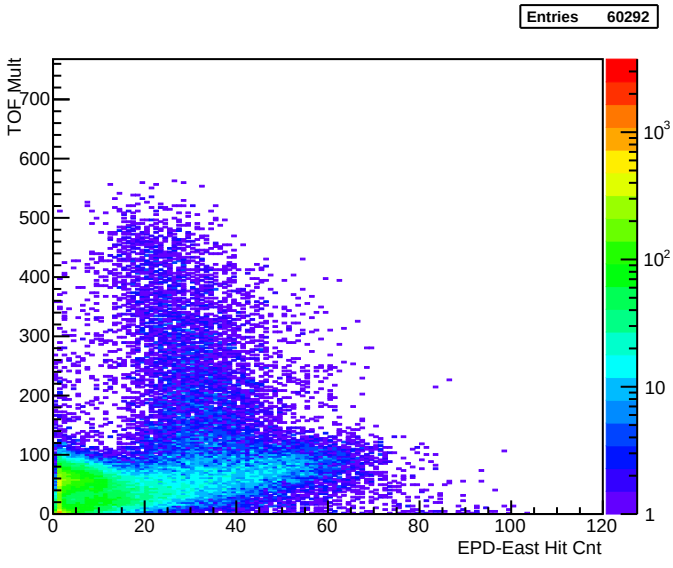

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

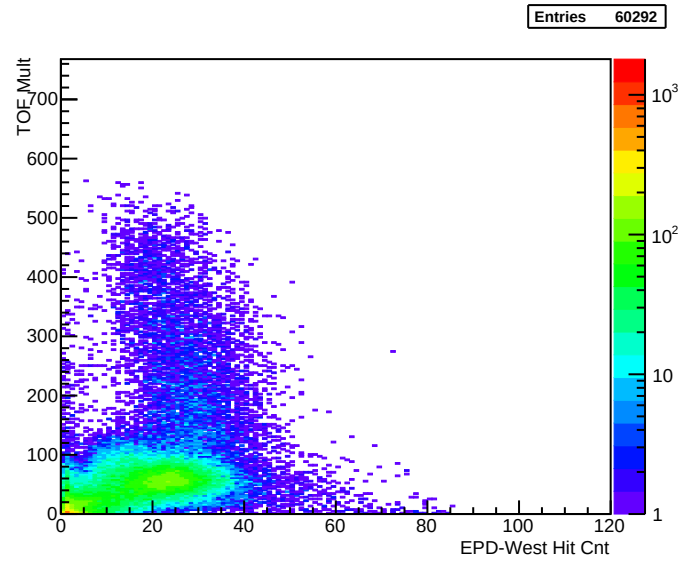

VT201 Input Ch4: VPD Adc Sum Th
Entries 120584
26978
46209
33314
14083
East
West

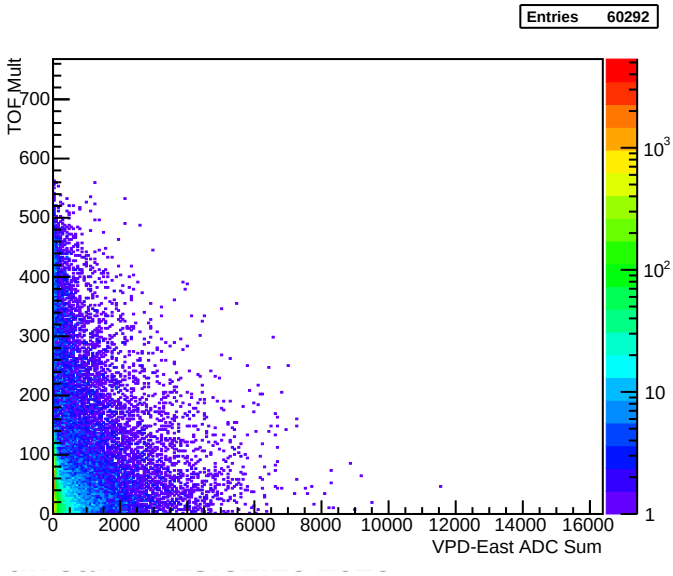

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

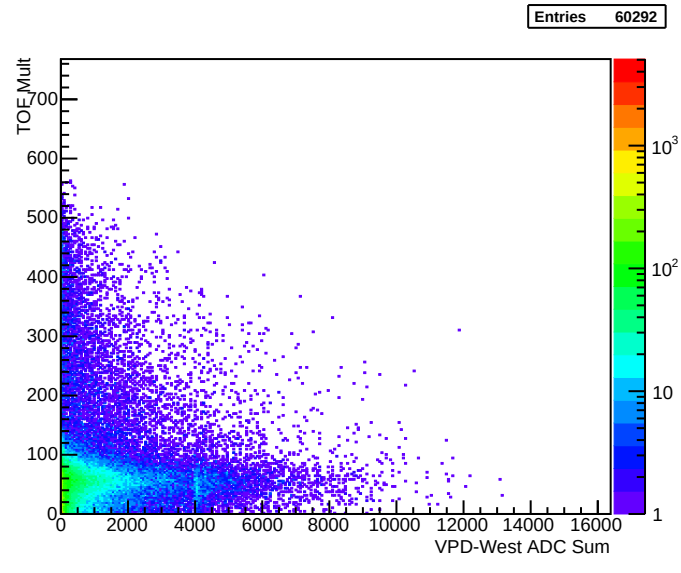

Entries 60292
TOF_Mult
BBC-S-East ADC Sum

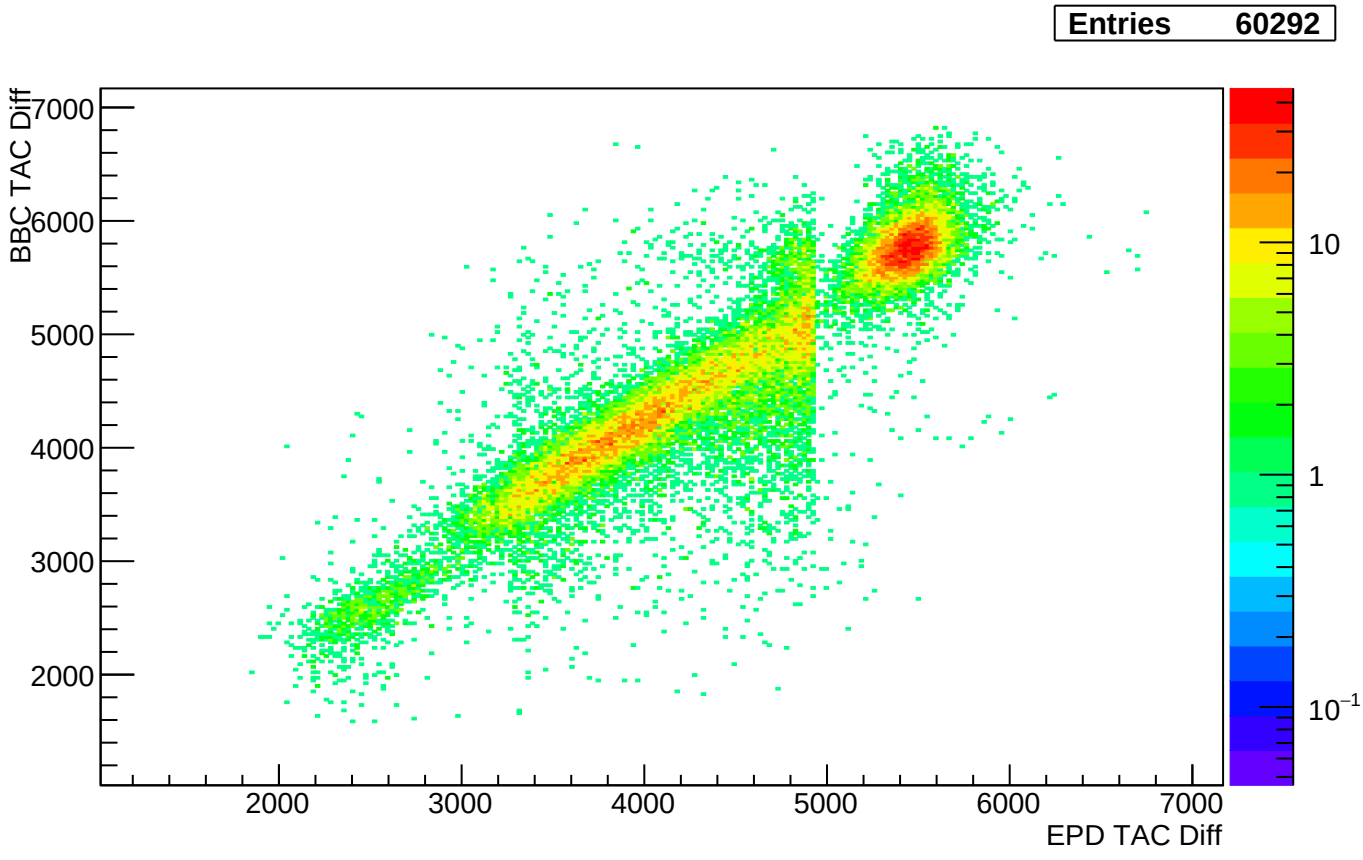

Entries 60292
TOF_Mult
BBC-S-West ADC Sum

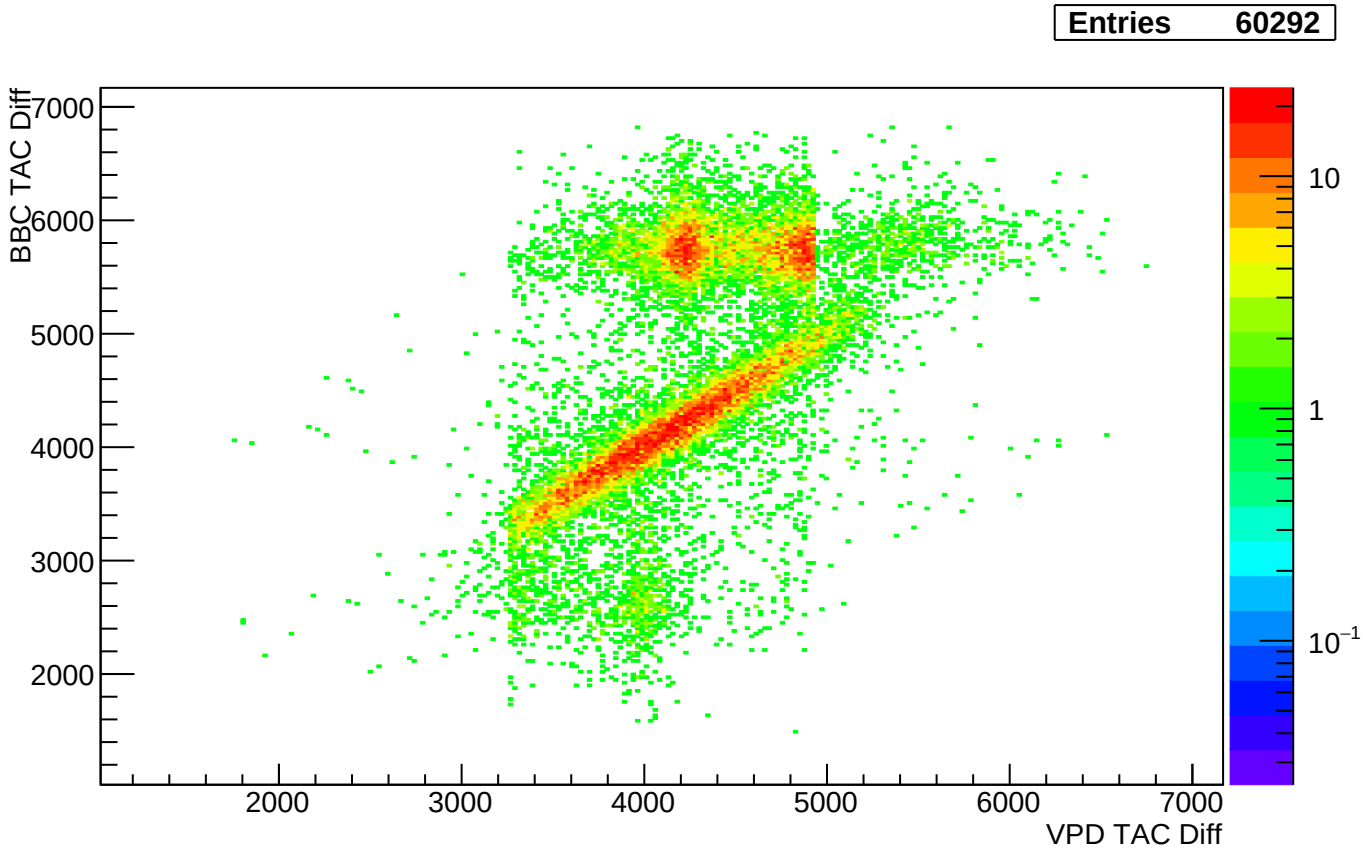

Entries 60292
TOF_Mult
EPD-East Hit Cnt

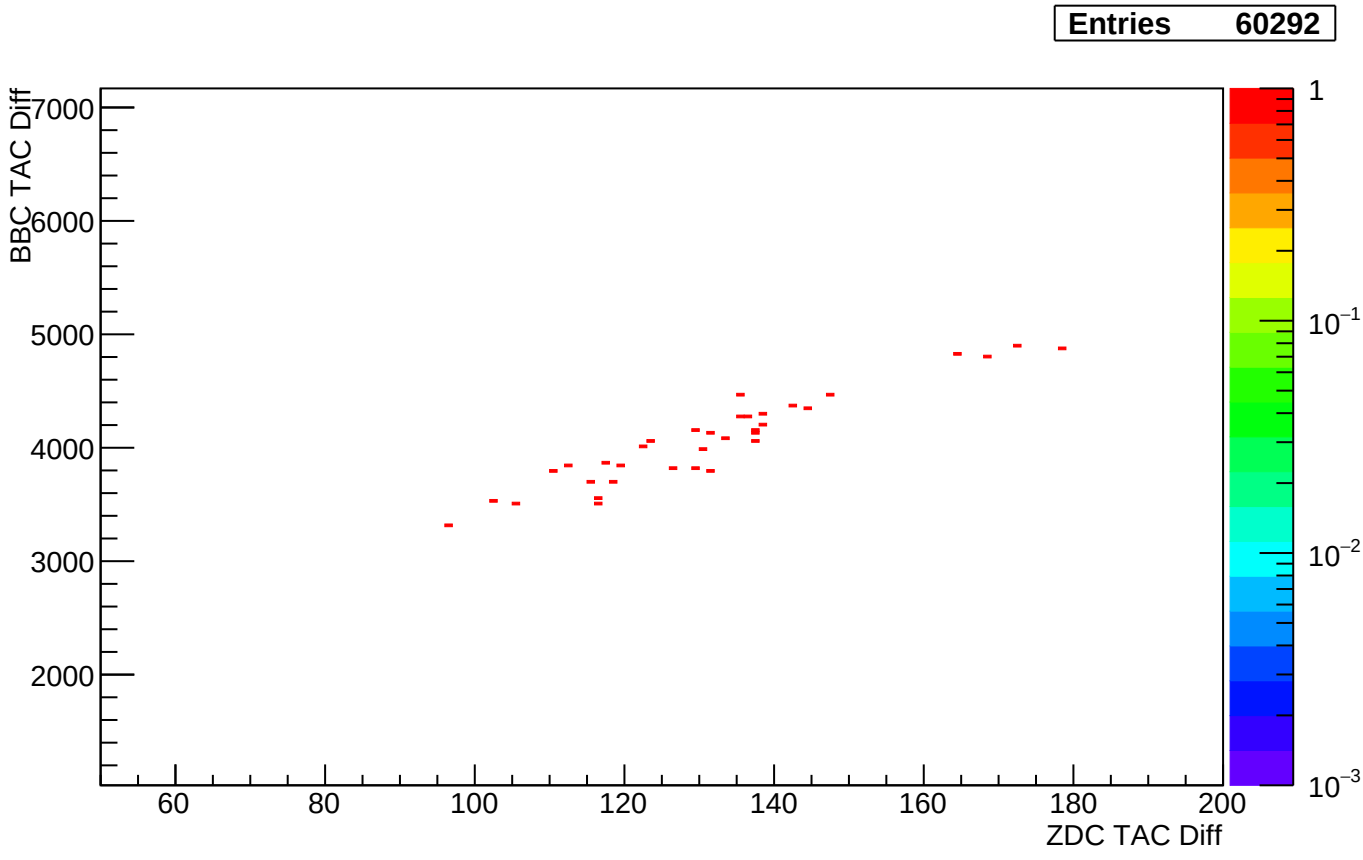

Entries 60292
TOF_Mult
EPD-West Hit Cnt

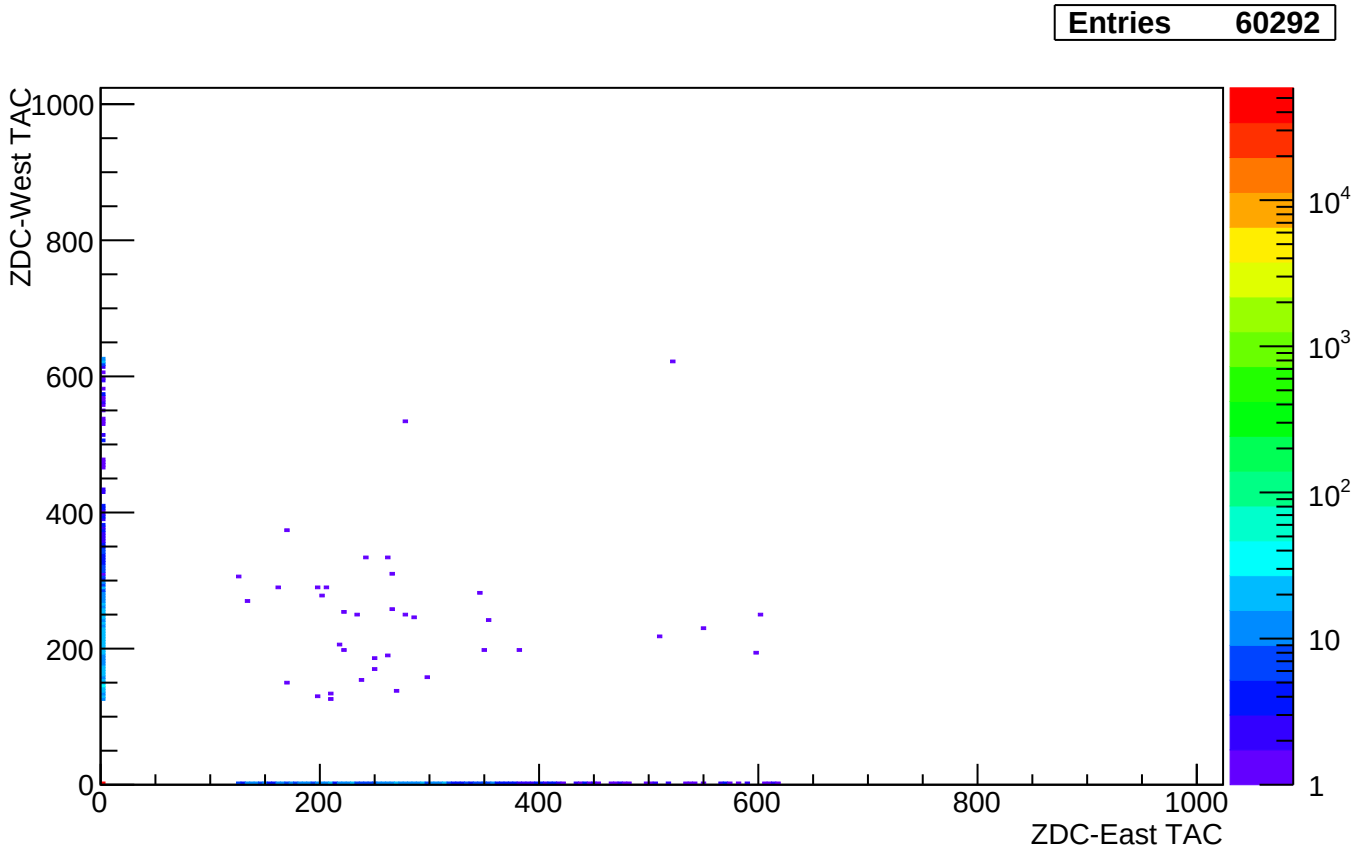

Entries 60292
TOF_Mult
VPD-East ADC Sum

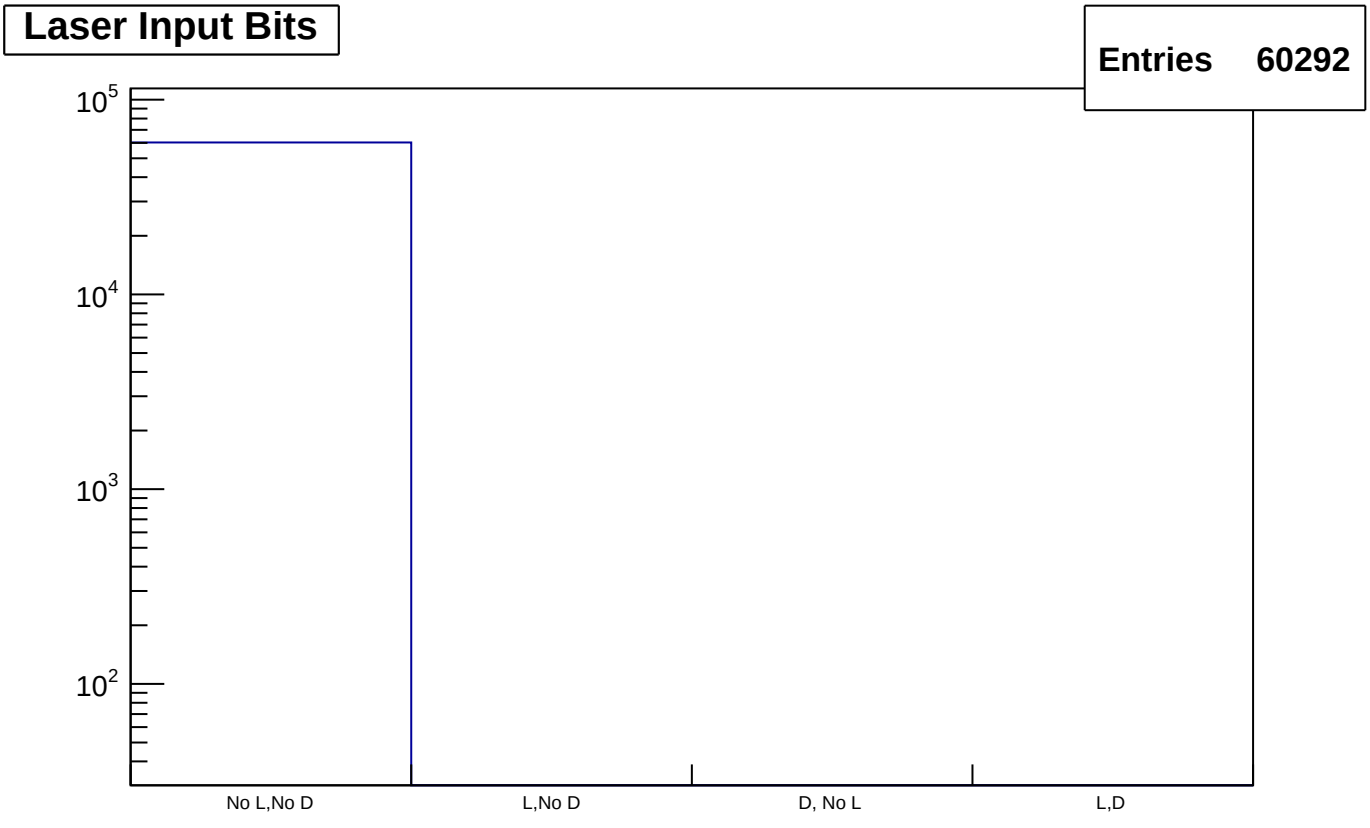

Entries 60292
TOF_Mult
VPD-West ADC Sum

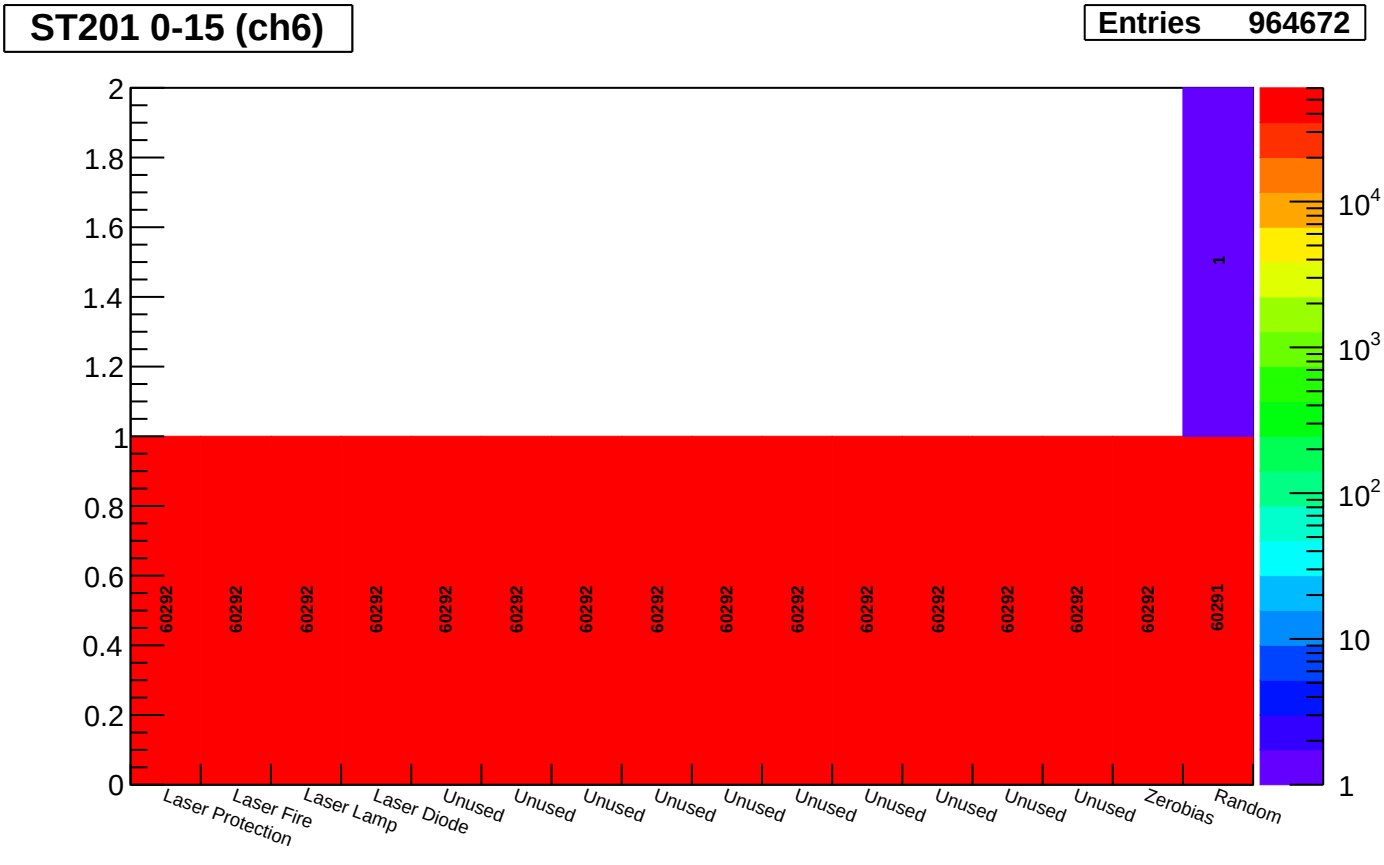

Entries 60292
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10
1
10^{-1}

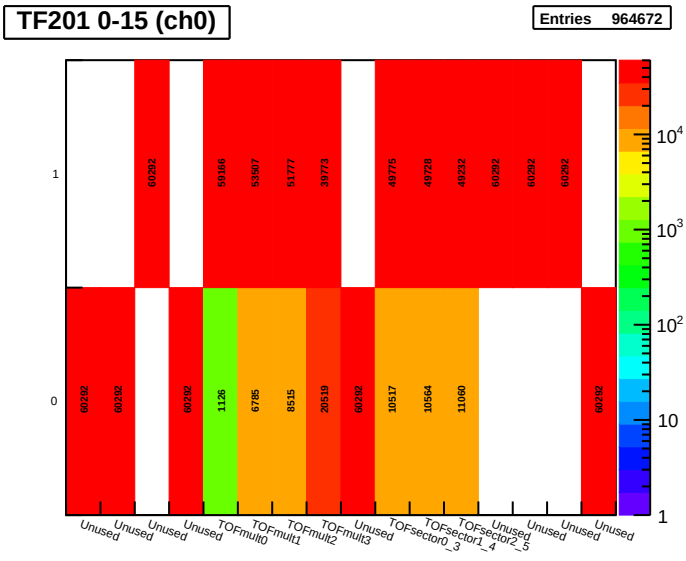

Entries 60292
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

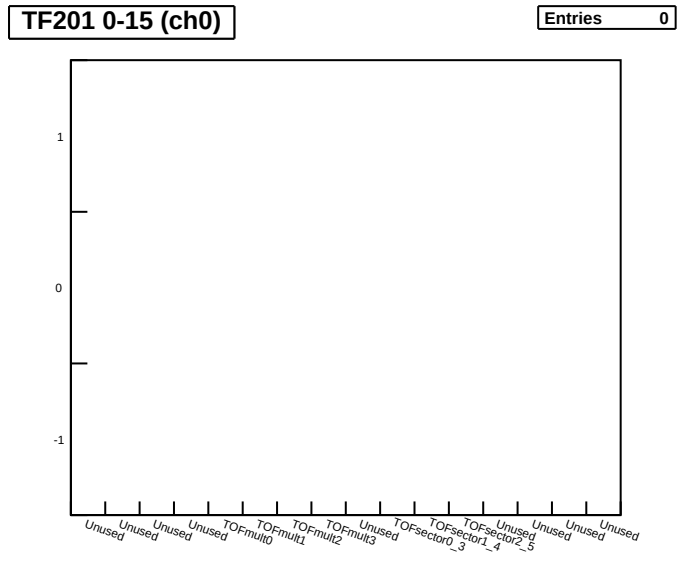

Entries 60292
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

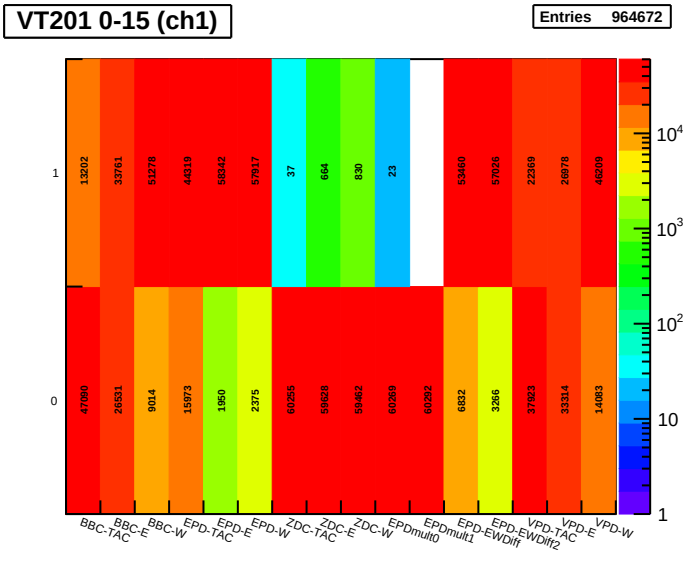

Entries 60292
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

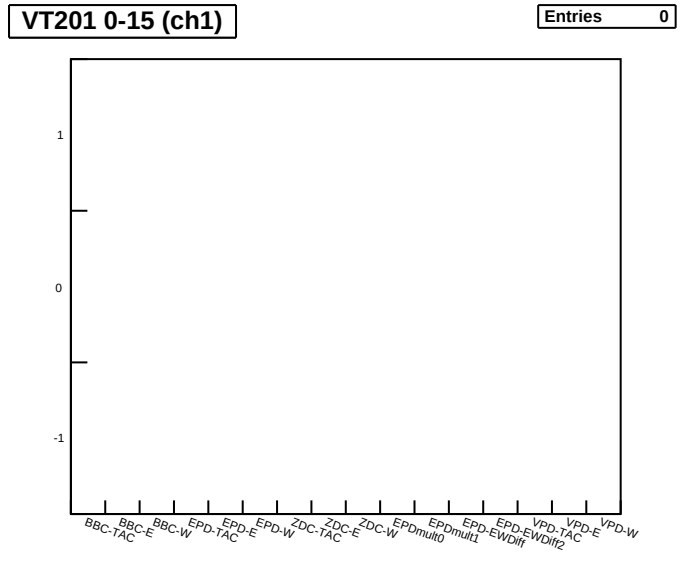

Laser Input Bits
Entries 60292
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

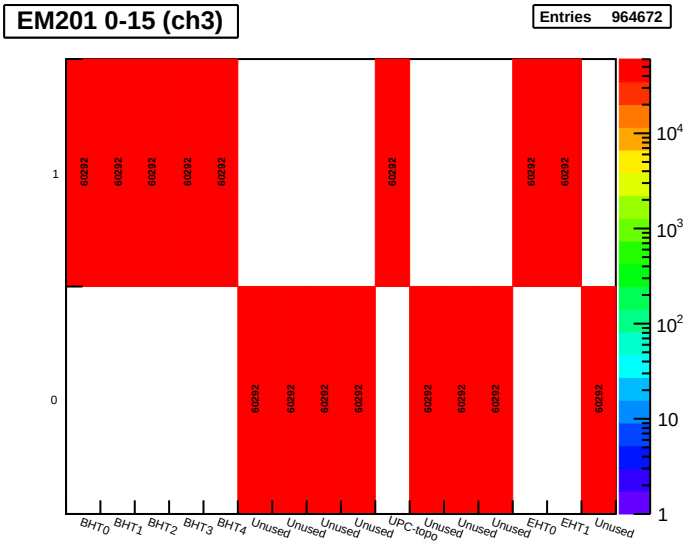

ST201 0-15 (ch6)
Entries 964672
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
60292
60291
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

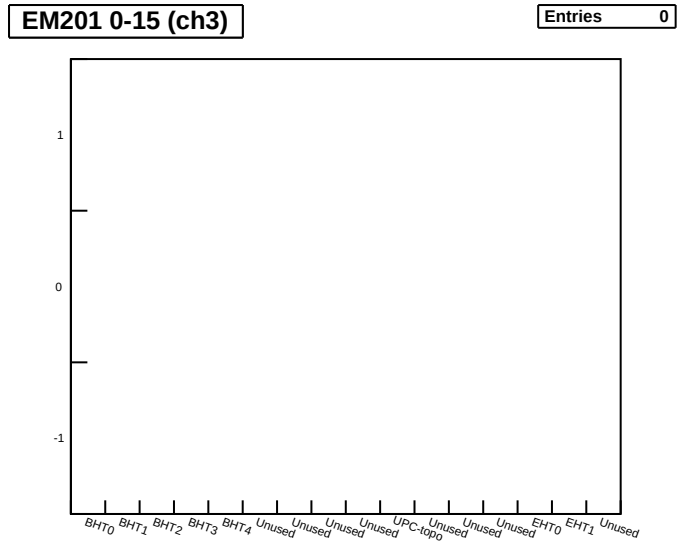

TF201 0-15 (ch0)
Entries 964672
1
0
60292 59166 53507 51777 39773 49775 49728 49232 60292 60292 60292
60292 60292 60292 1136 6785 8515 20519 60292 10517 10564 11060 60292
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 964672
1
0
13202 33761 51278 44319 58342 57917 37 664 830 23 53460 57026 22369 26978 46209
47090 26531 9014 15973 1950 2375 60255 59628 59462 60269 60292 6832 3266 37923 33314 14083
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
10^4
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 964672
1
0
60292 60292 60292 60292 60292 60292 60292 60292
60292 60292 60292 60292 60292 60292 60292 60292
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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