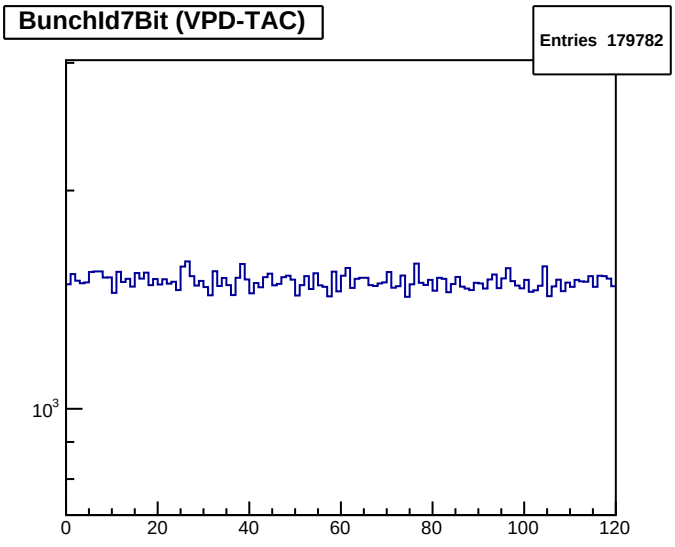
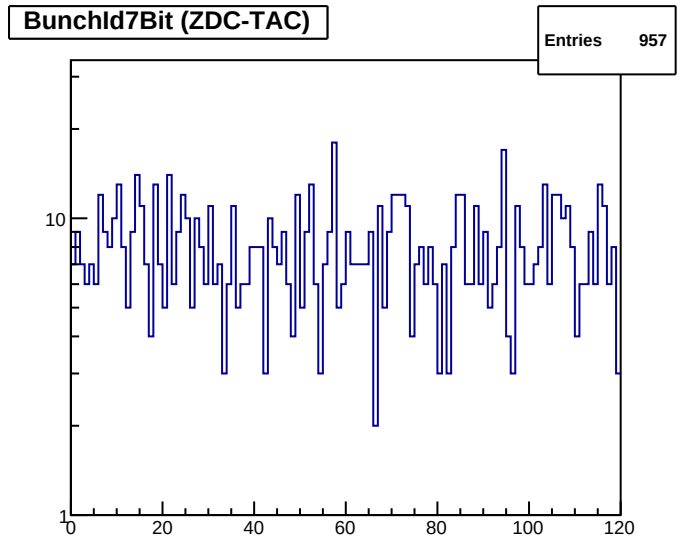
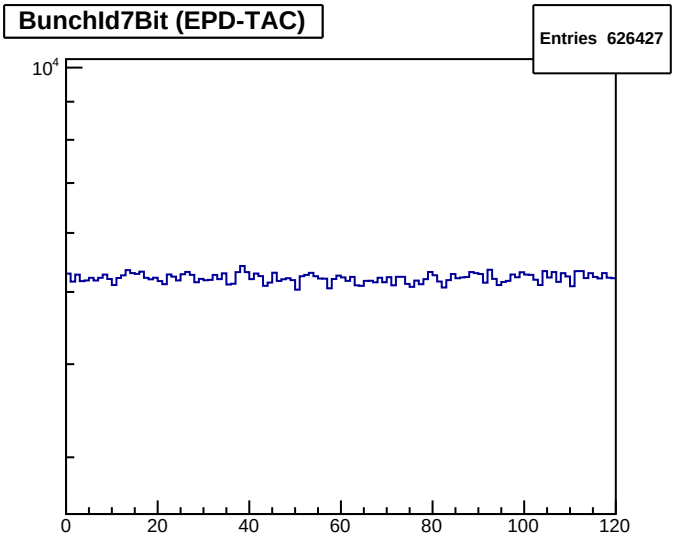
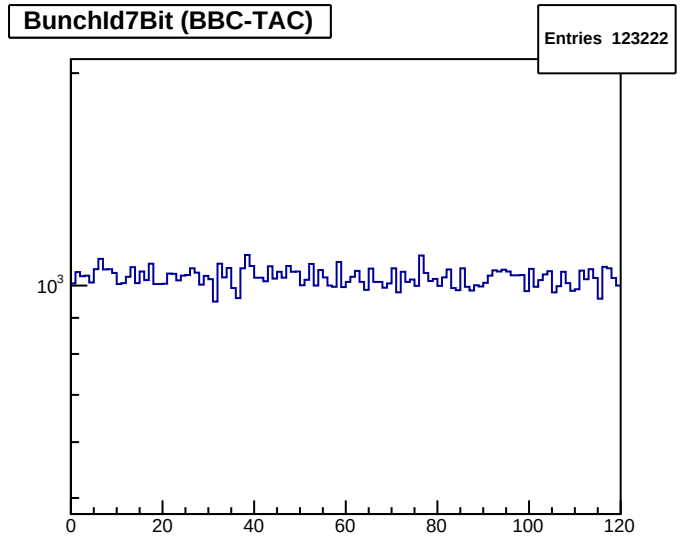
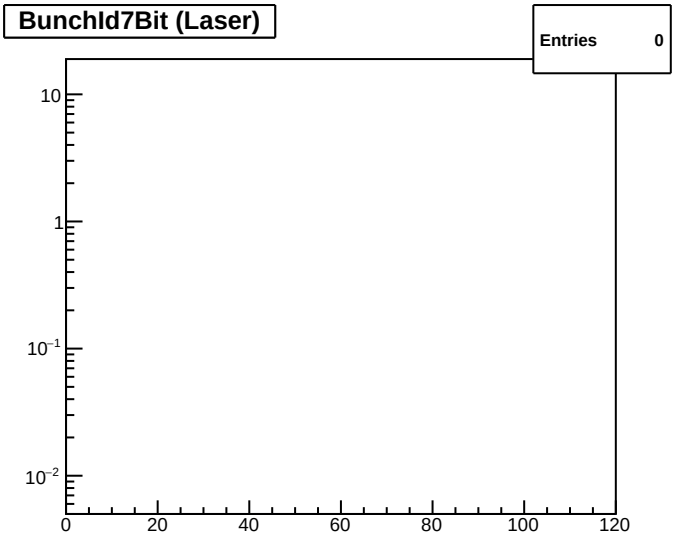
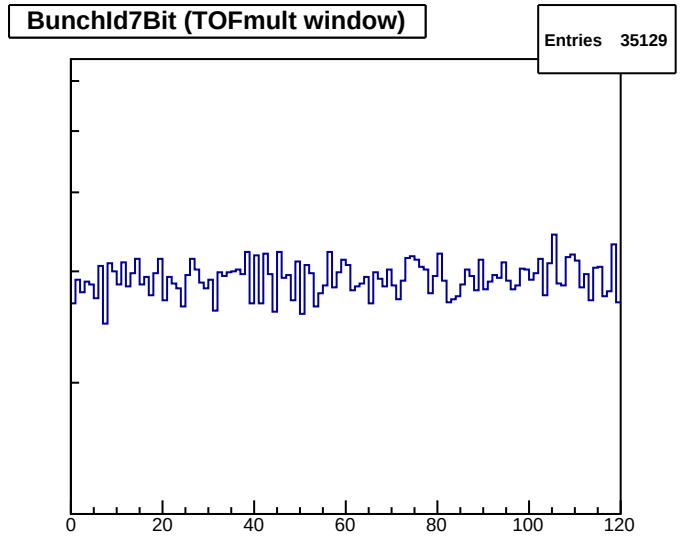

BunchId7Bit (VPD-TAC)
Entries 179782
10^3
0 20 40 60 80 100 120

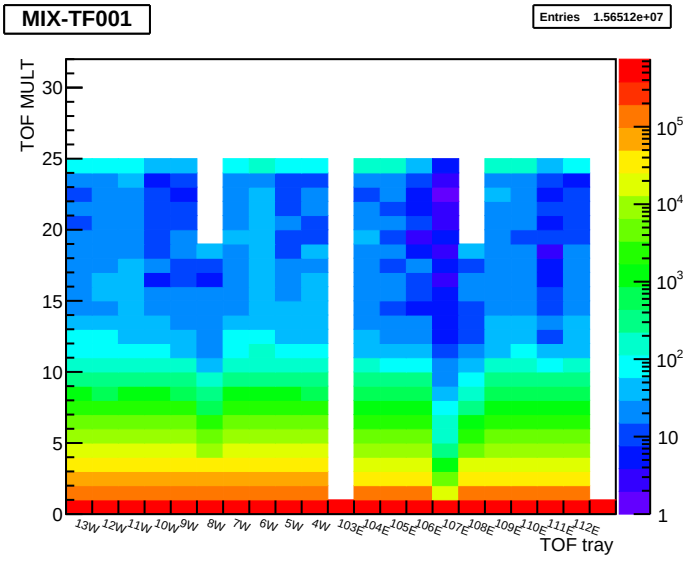

BunchId7Bit (ZDC-TAC)
Entries 957
10
1
0 20 40 60 80 100 120

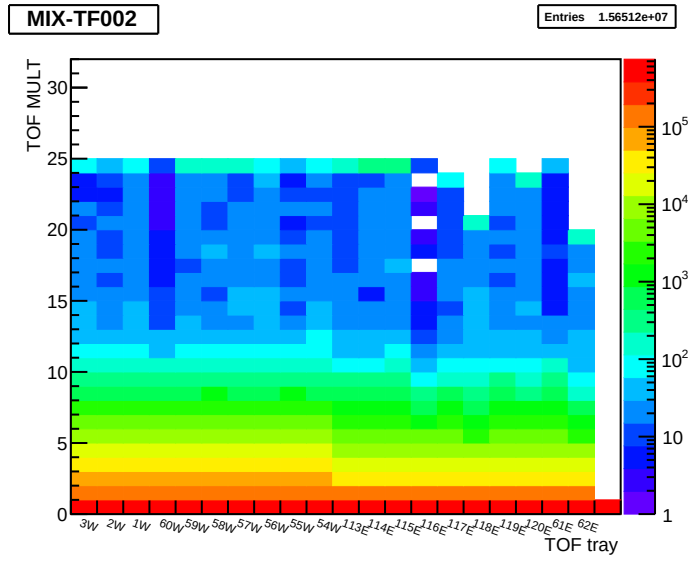

BunchId7Bit (EPD-TAC)
Entries 626427
10^4
0 20 40 60 80 100 120

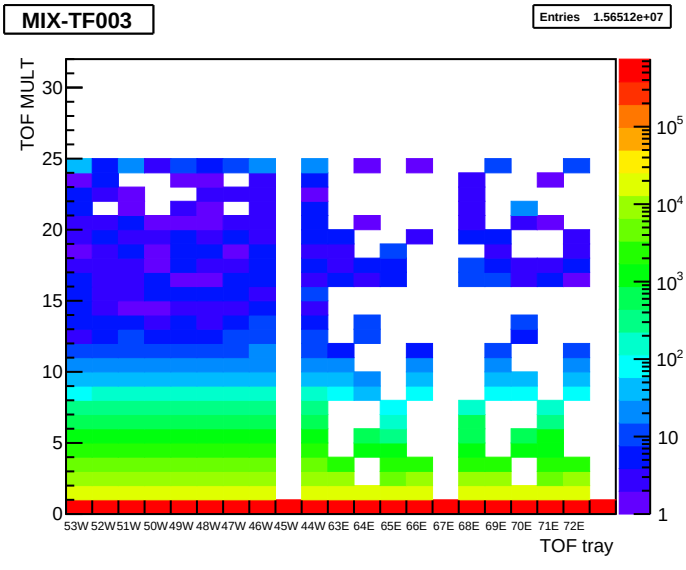

BunchId7Bit (BBC-TAC)
Entries 123222
10^3
0 20 40 60 80 100 120

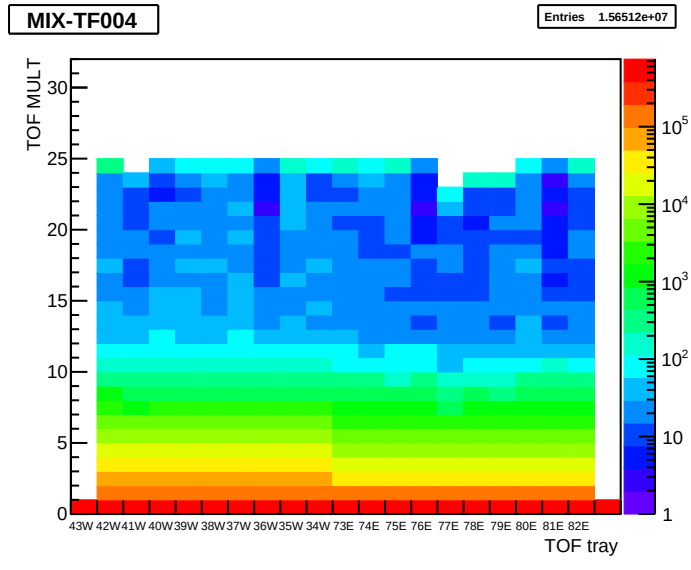

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

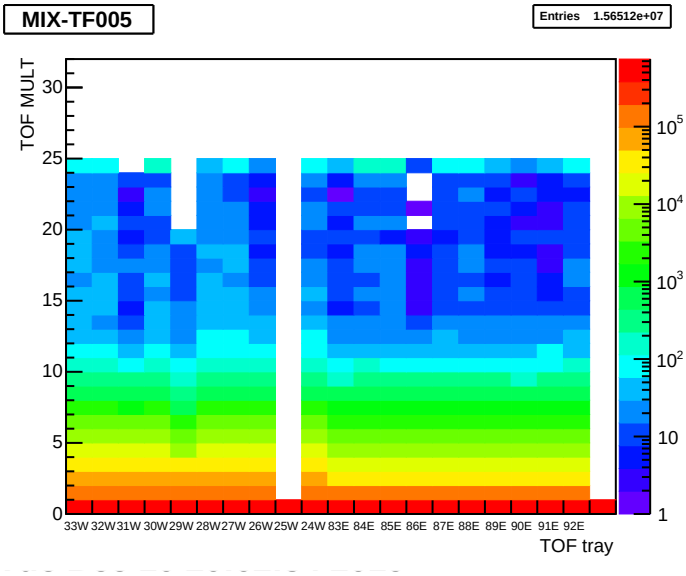

BunchId7Bit (TOFmult window)
Entries 35129
0 20 40 60 80 100 120

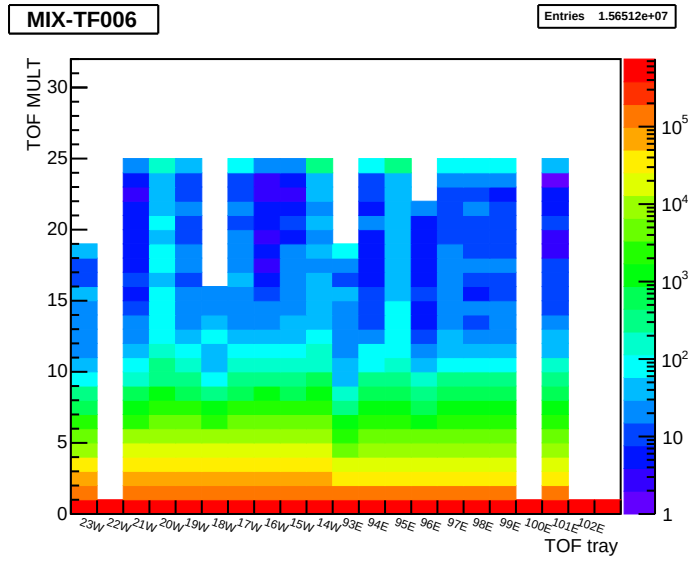

MIX-TF001
Entries 1.56512e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

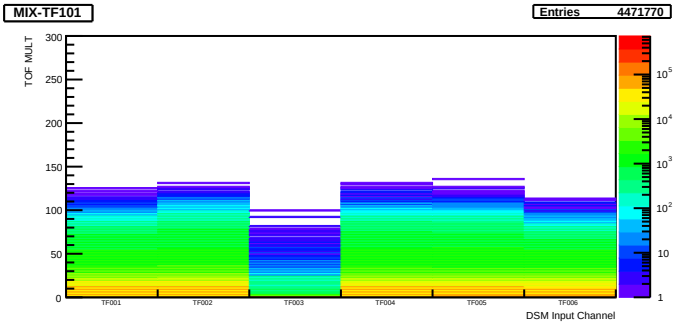

MIX-TF002
Entries 1.56512e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

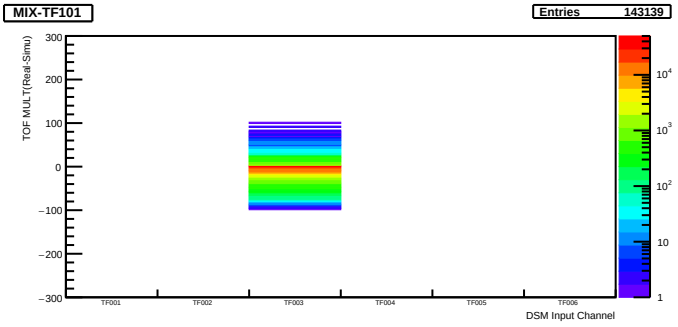

MIX-TF003
Entries 1.56512e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

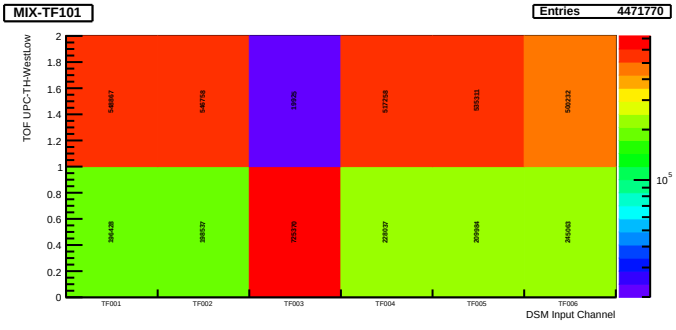

MIX-TF004
Entries 1.56512e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

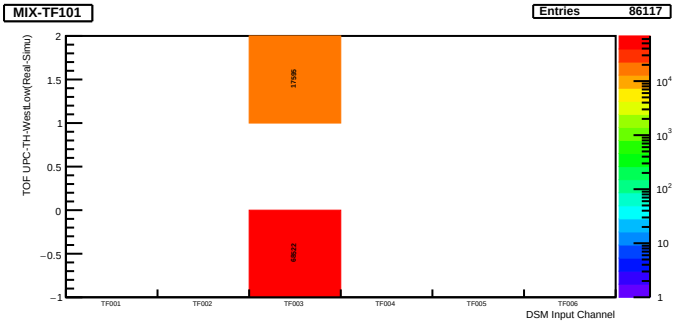

MIX-TF005
Entries 1.56512e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

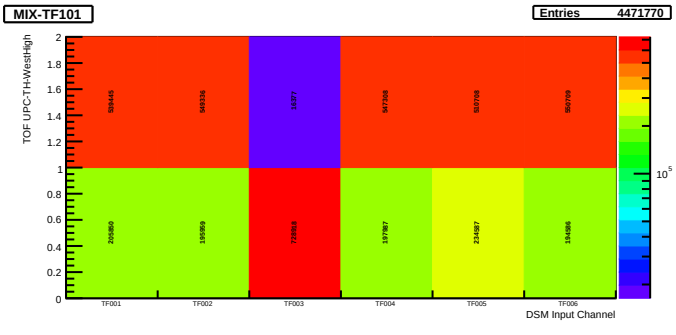

MIX-TF006
Entries 1.56512e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

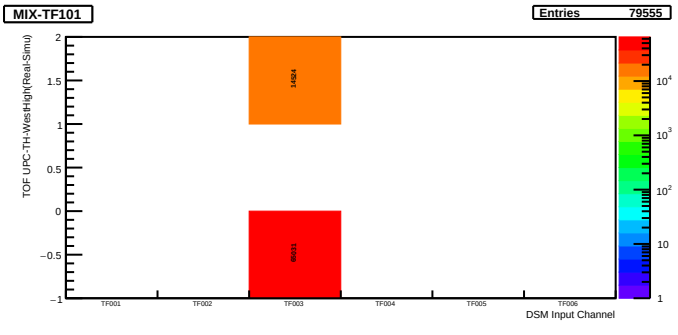

MIX-TF101
Entries 4471770
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

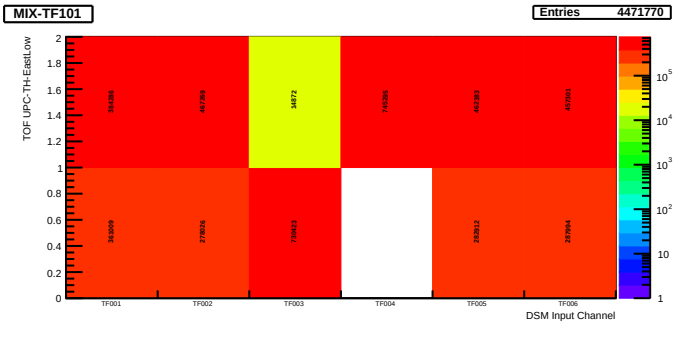

MIX-TF101
Entries 143139
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

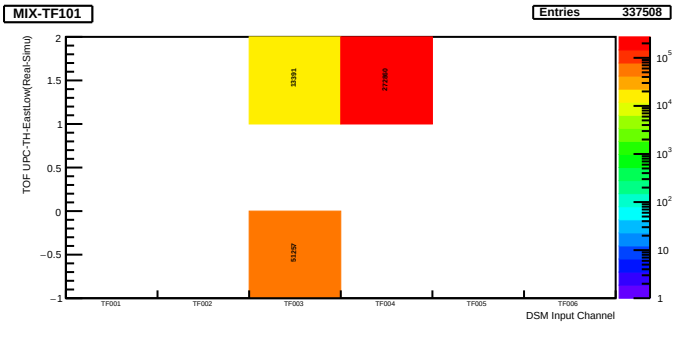

MIX-TF101
Entries 4471770
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

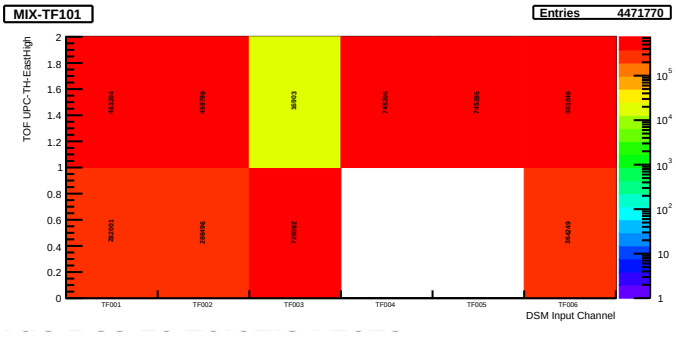

MIX-TF101
Entries 86117
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

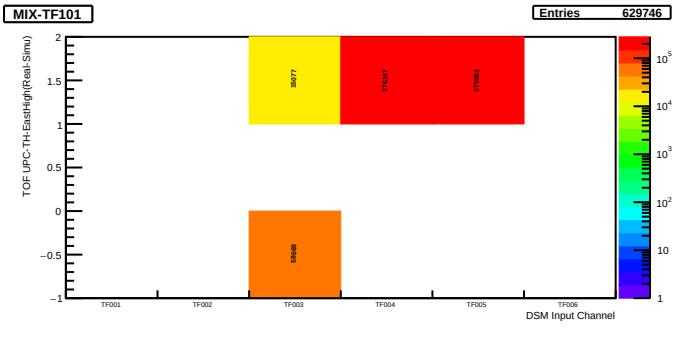

MIX-TF101
Entries 4471770
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

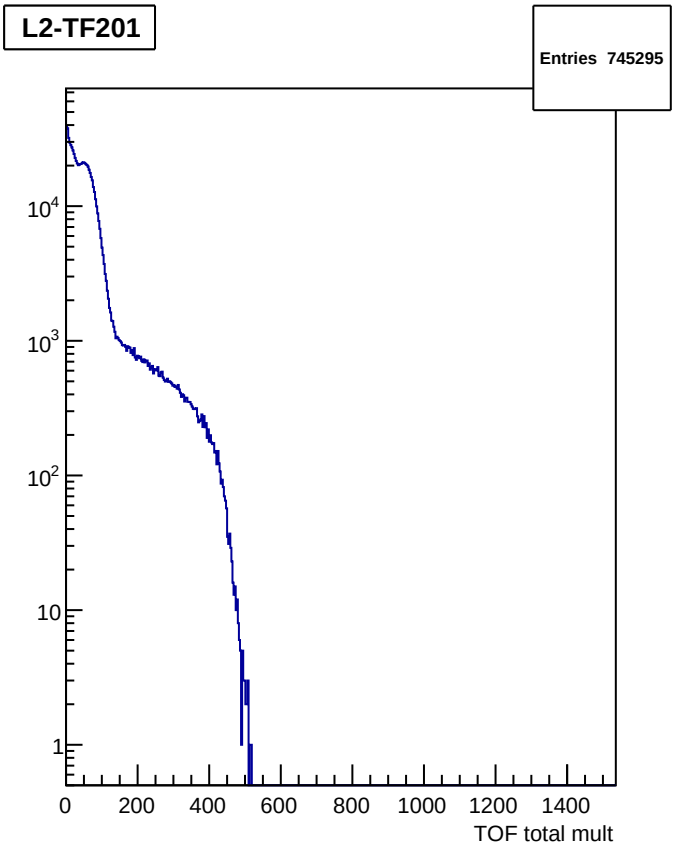

MIX-TF101
Entries 79555
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

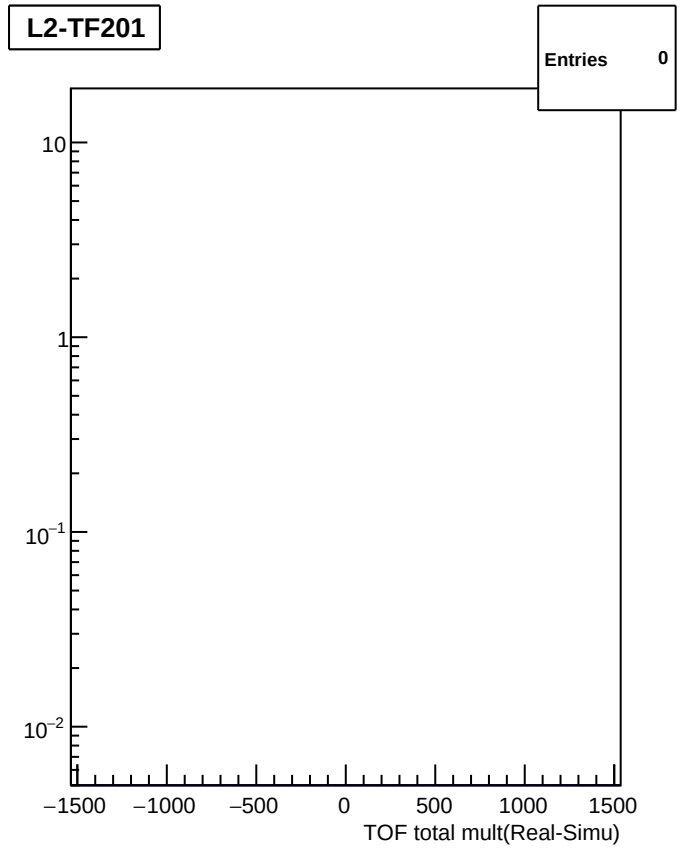

MIX-TF101
Entries 4471770
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

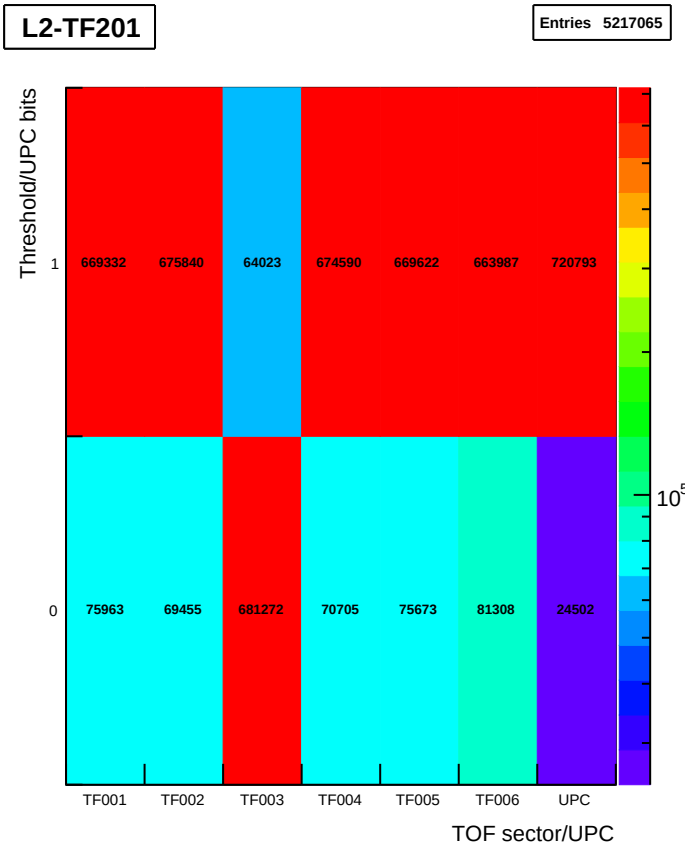

MIX-TF101
Entries 337508
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

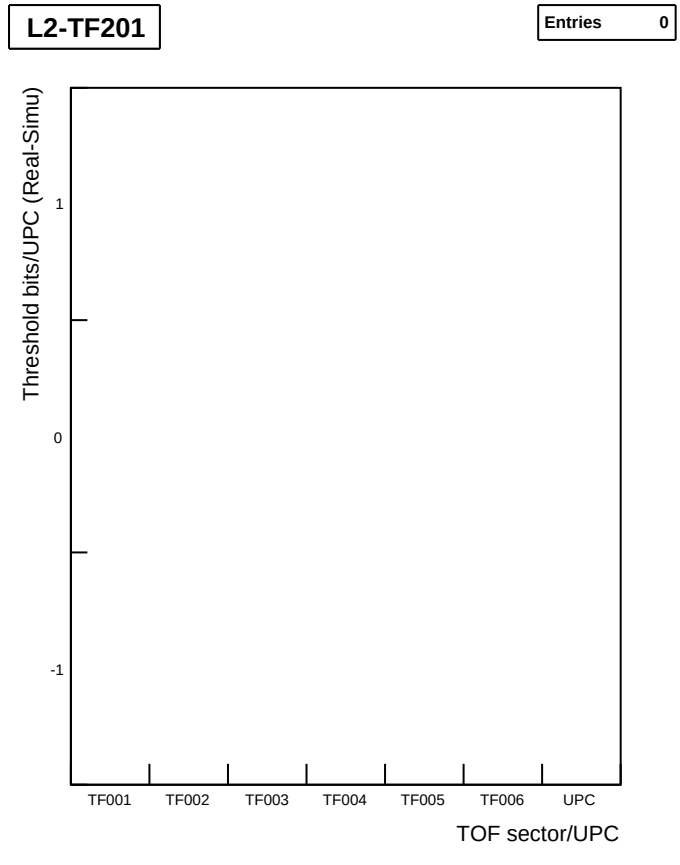

MIX-TF101
Entries 4471770
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

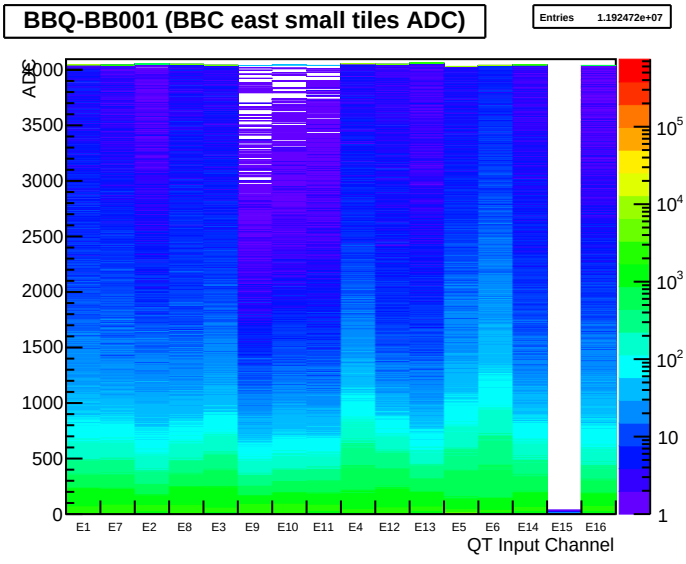

MIX-TF101
Entries 629746
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

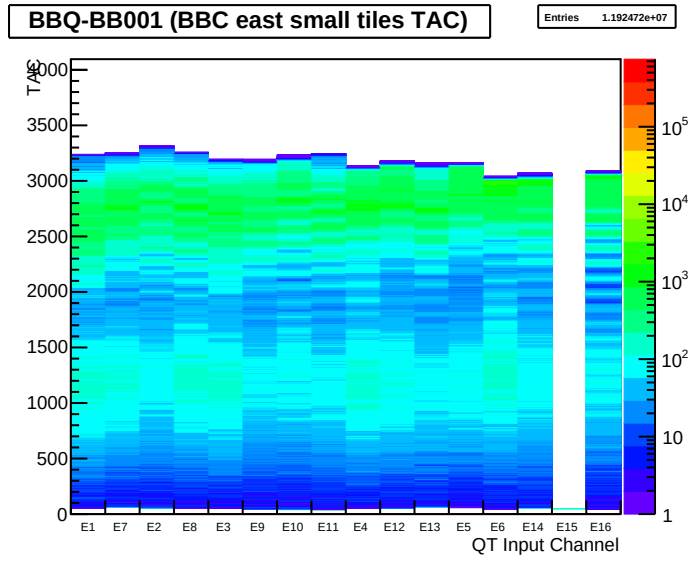

L2-TF201
Entries 745295
TOF total mult

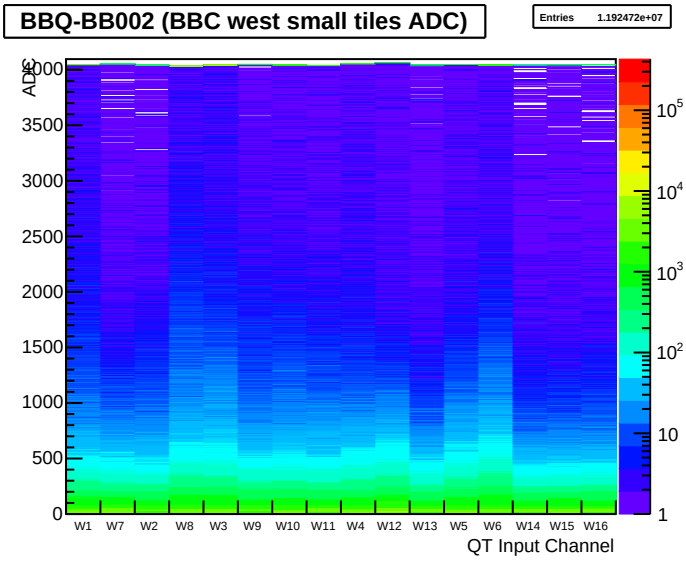

L2-TF201
Entries 0
TOF total mult(Real-Simu)

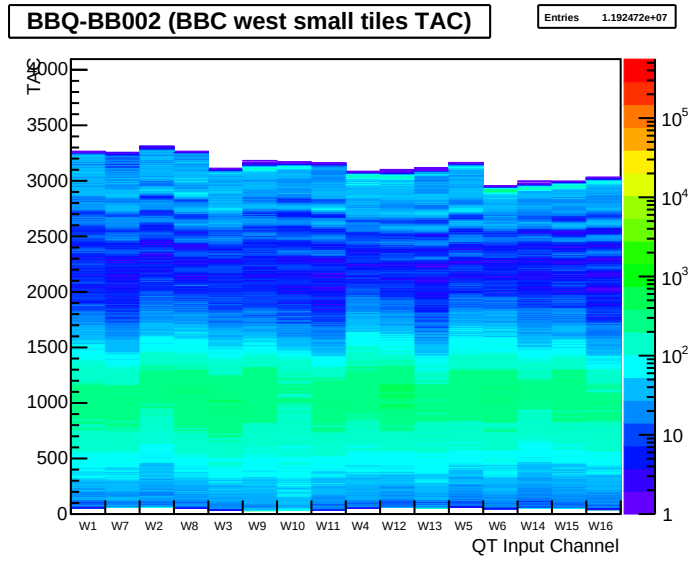

L2-TF201
Entries 5217065
Threshold/UPC bits
669332
675840
64023
674590
669622
663987
720793
75963
69455
681272
70705
75673
81308
24502
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

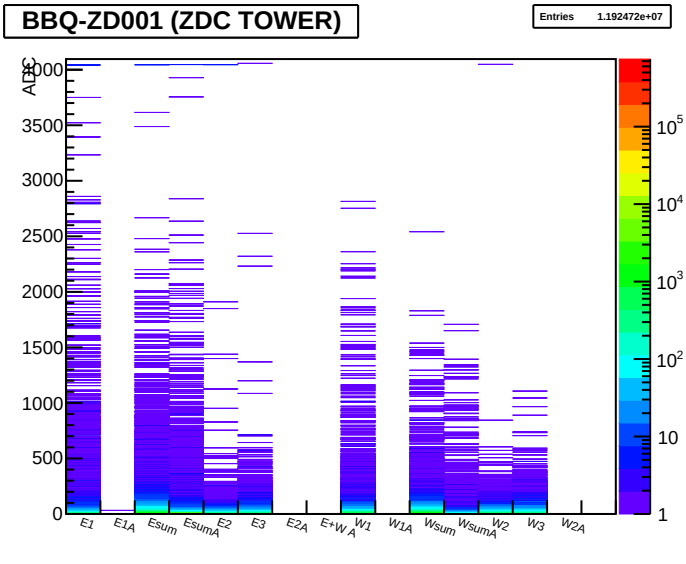

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

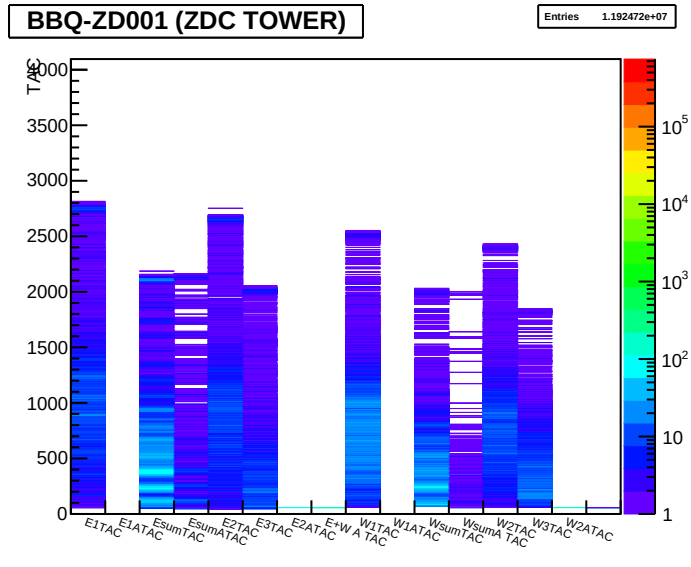

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.192472e+07
ADC
QT Input Channel

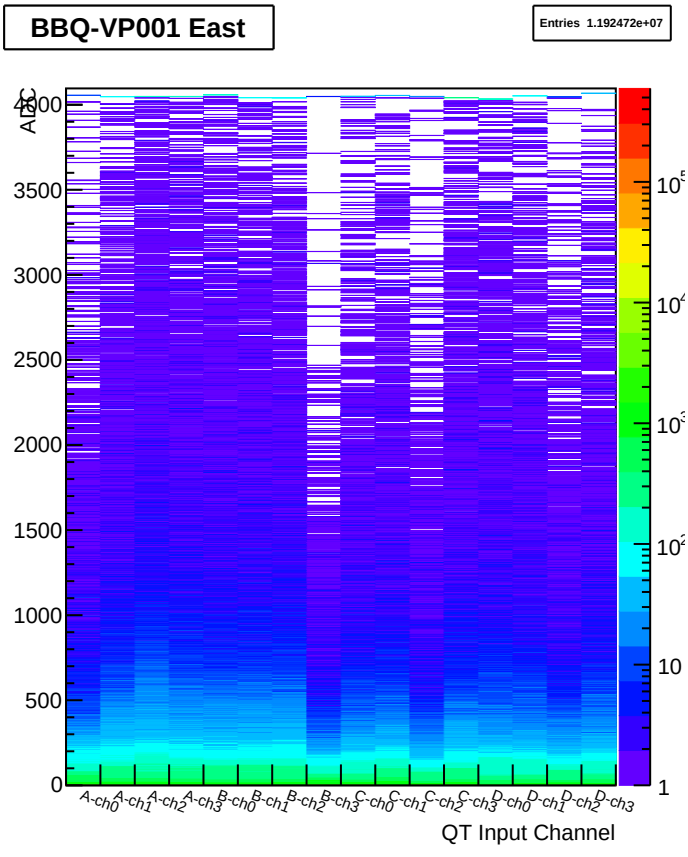

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.192472e+07
TAC
QT Input Channel

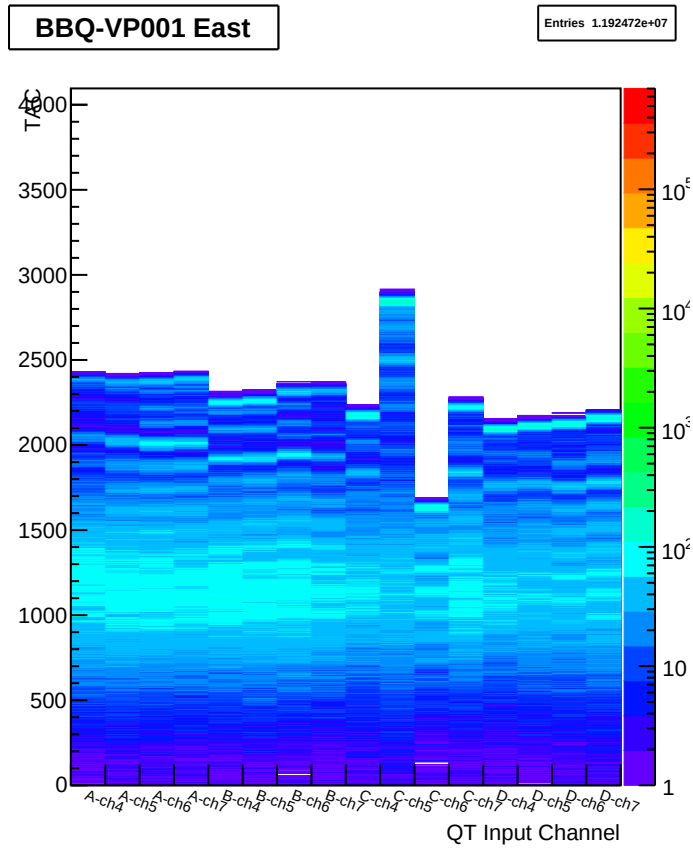

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.192472e+07
ADC
QT Input Channel

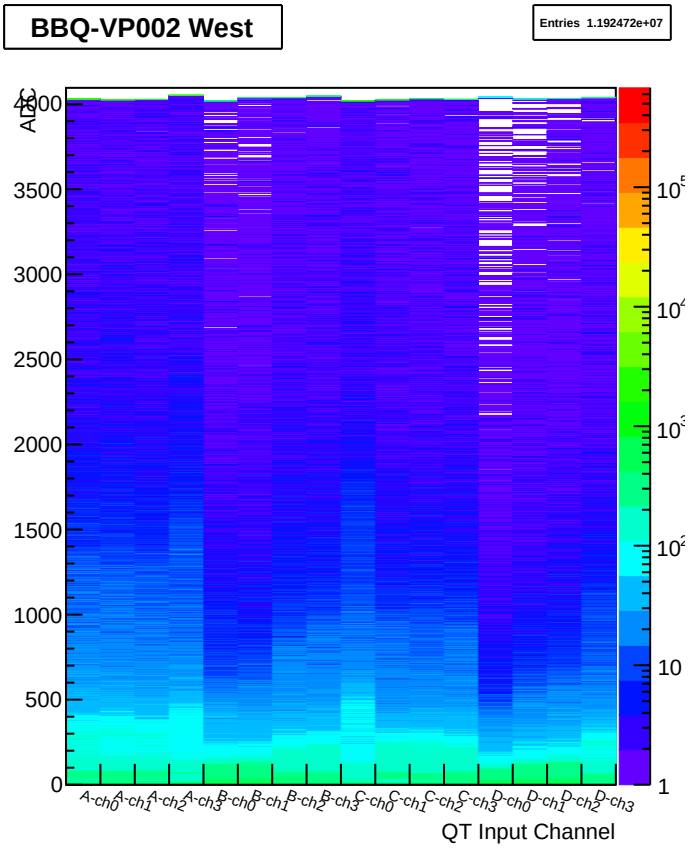

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.192472e+07
TAC
QT Input Channel

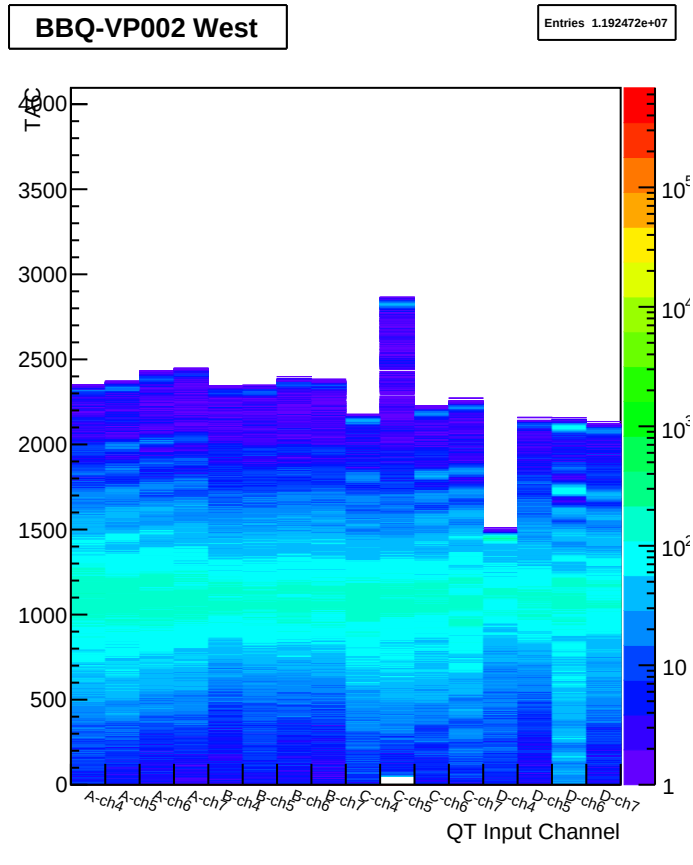

BBQ-ZD001 (ZDC TOWER)
Entries 1.192472e+07
ADC

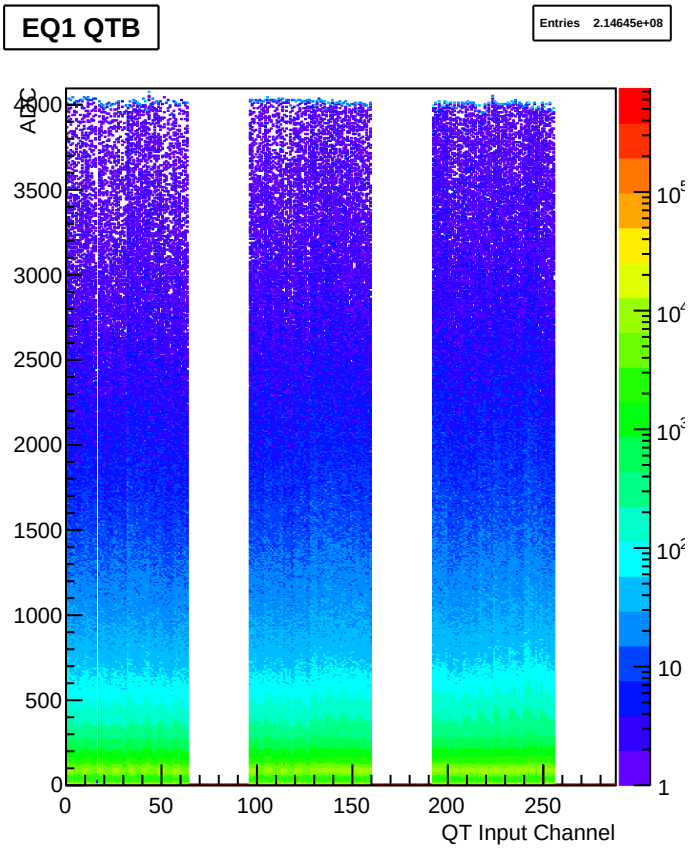

BBQ-ZD001 (ZDC TOWER)
Entries 1.192472e+07
TAC

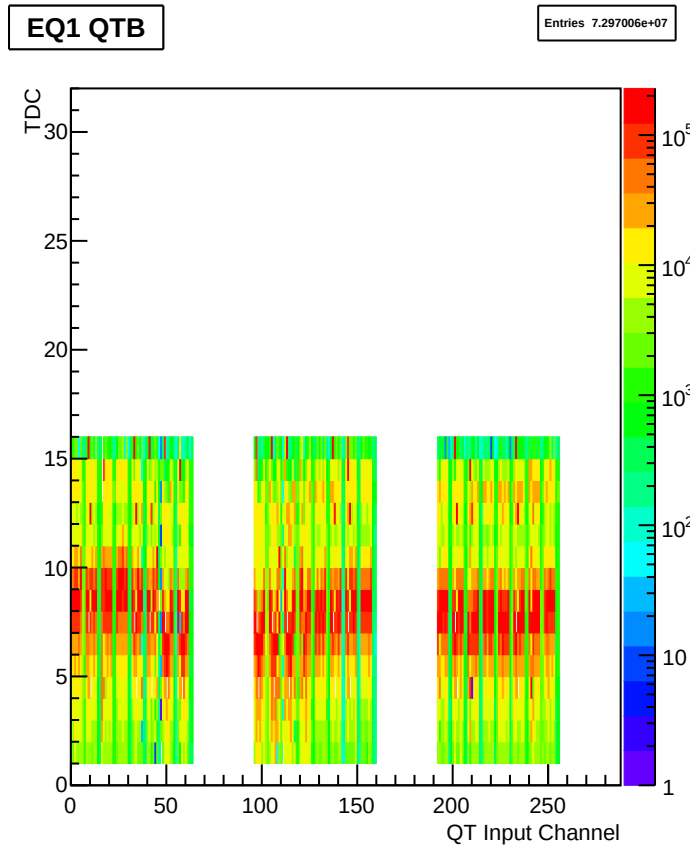

BBQ-VP001 East
Entries 1.192472e+07
ADC
QT Input Channel

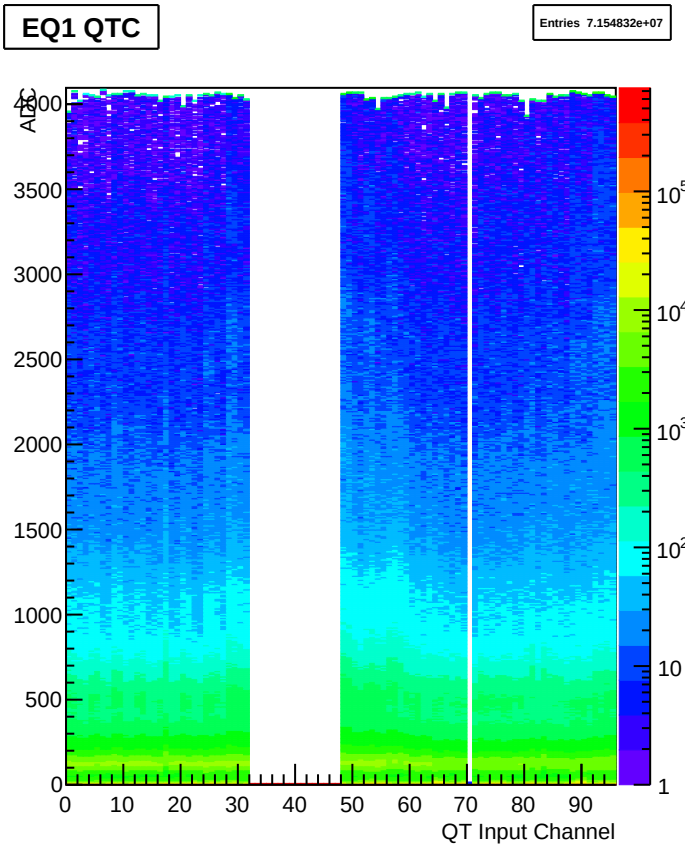

BBQ-VP001 East
Entries 1.192472e+07
ADC
QT Input Channel

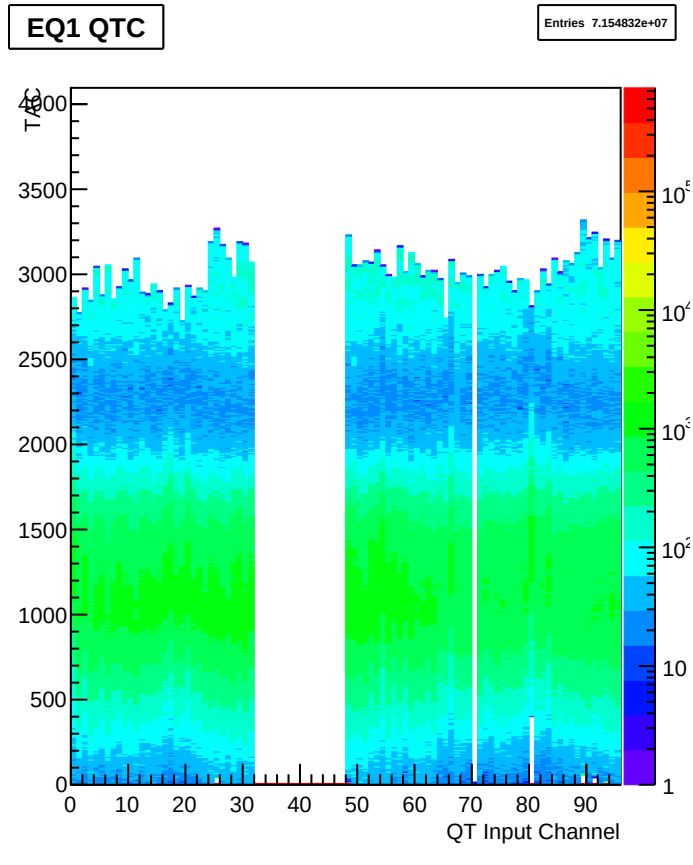

BBQ-VP002 West
Entries 1.192472e+07
ADC
QT Input Channel

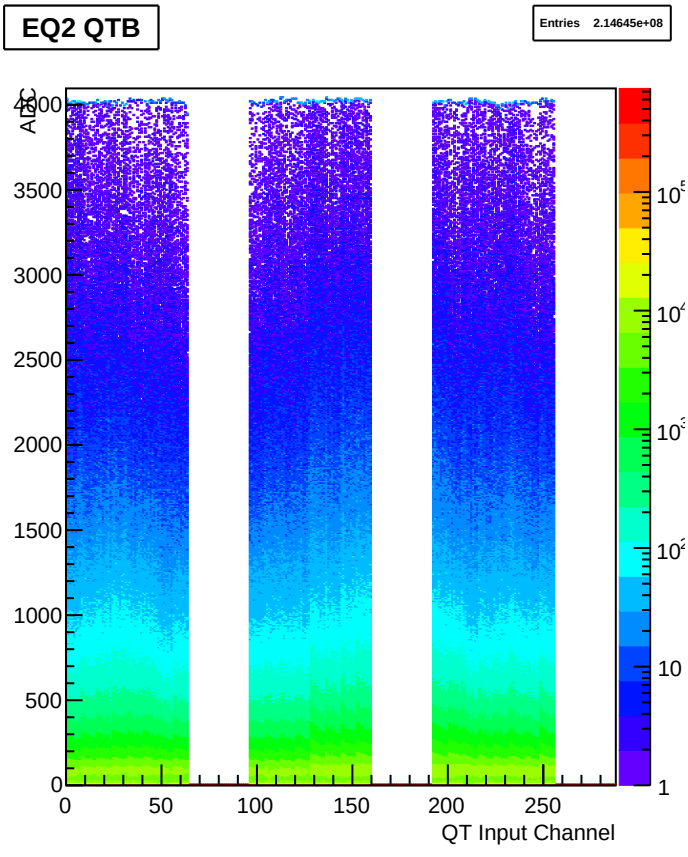

BBQ-VP002 West
Entries 1.192472e+07
ADC
QT Input Channel

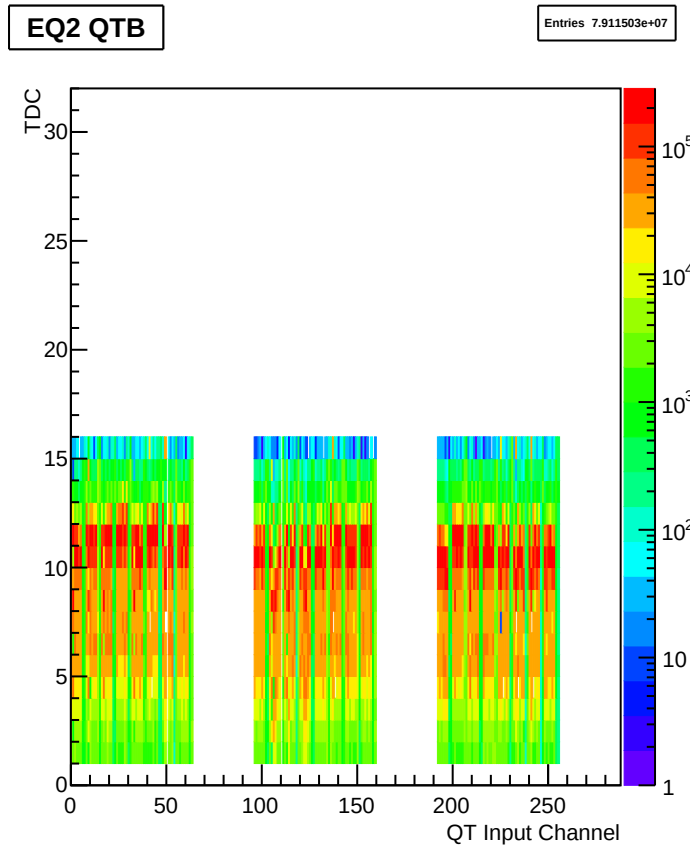

EQ1 QTB
Entries 2.14645e+08
ADC
QT Input Channel

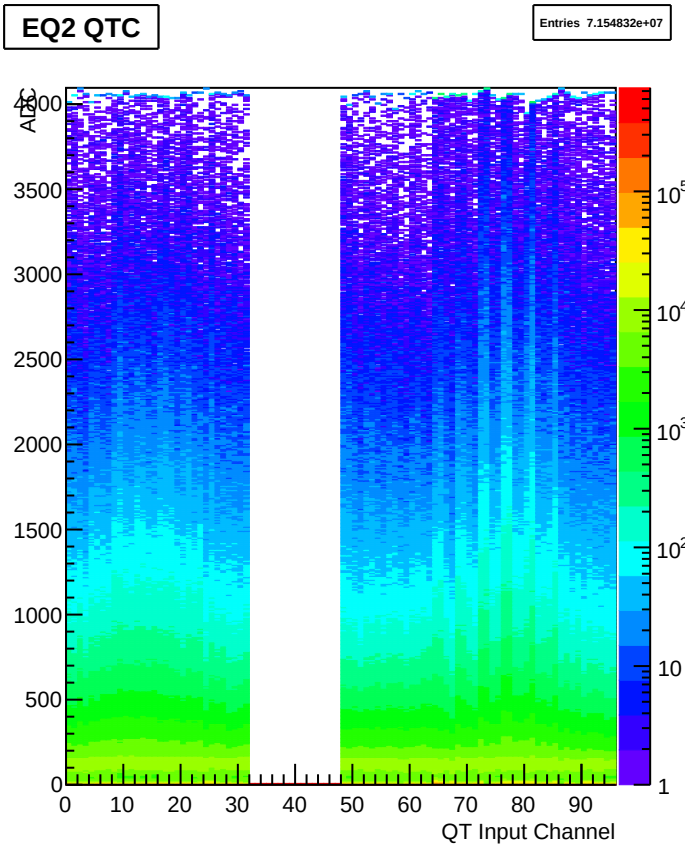

EQ1 QTB
Entries 7.297006e+07
TDC
QT Input Channel

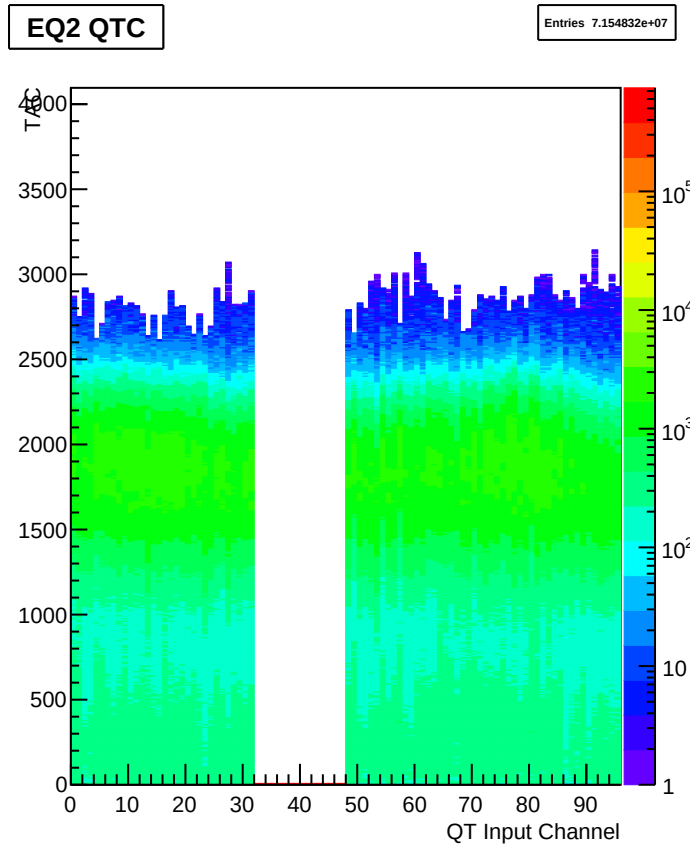

EQ1 QTC
Entries 7.154832e+07
ADC
QT Input Channel

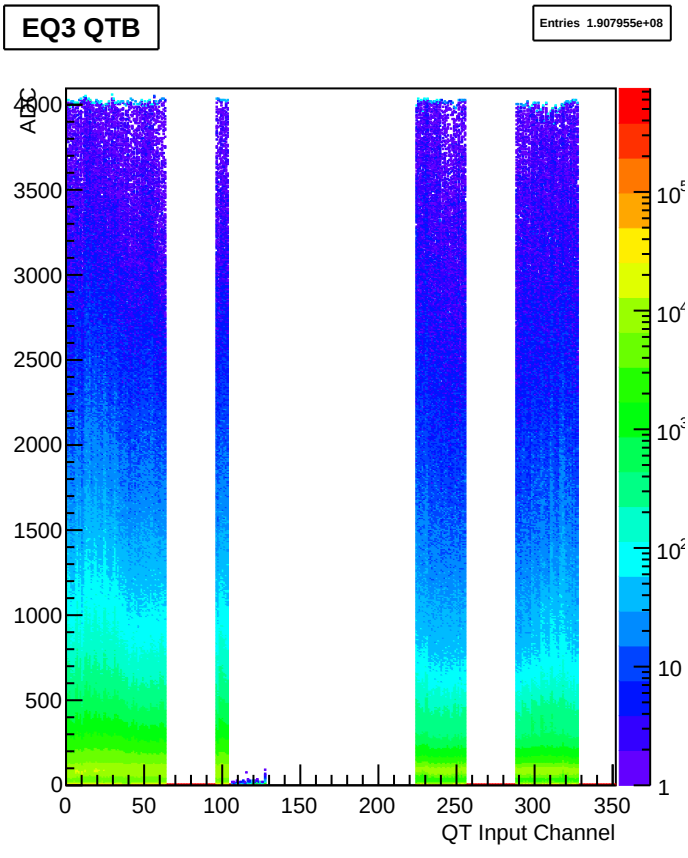

EQ1 QTC
Entries 7.154832e+07
TADC
QT Input Channel

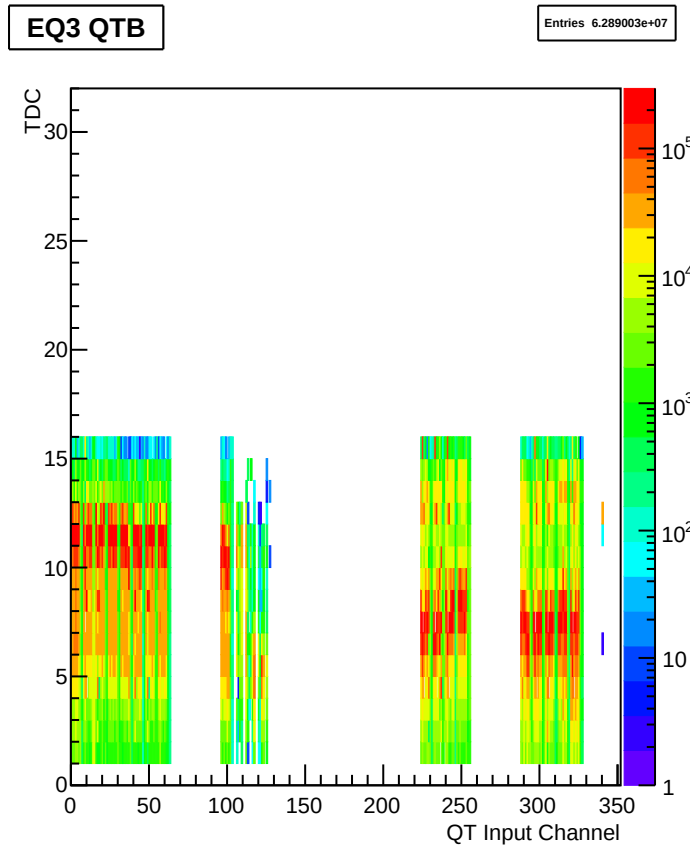

EQ2 QTB
Entries 2.14645e+08
ADC
QT Input Channel

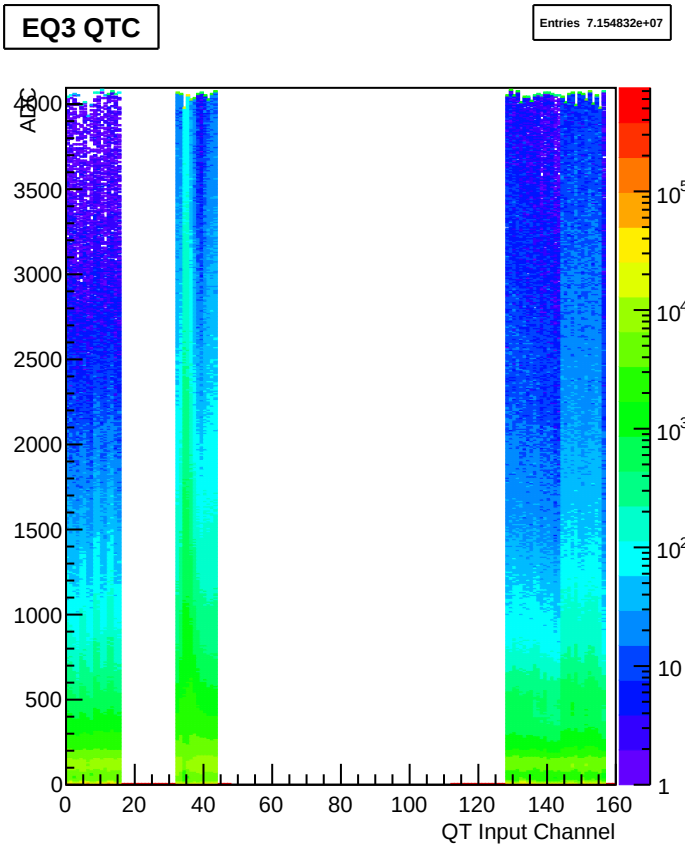

EQ2 QTB
Entries 7.911503e+07
TDC
QT Input Channel

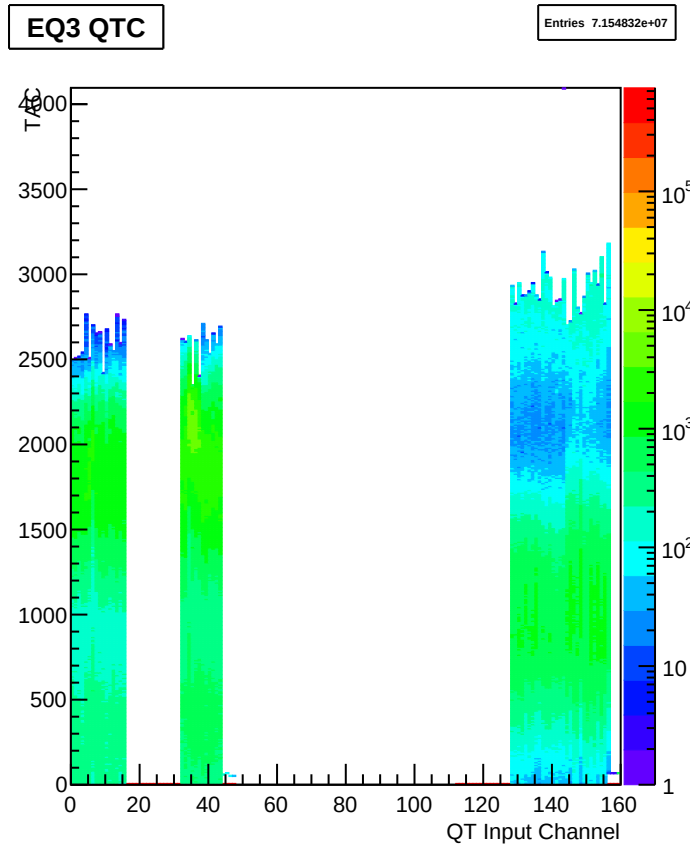

EQ2 QTC
Entries 7.154832e+07
ADC
QT Input Channel

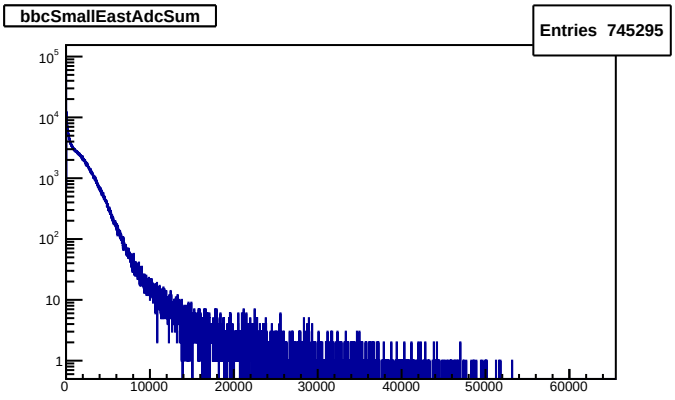

EQ2 QTC
Entries 7.154832e+07
TADC
QT Input Channel

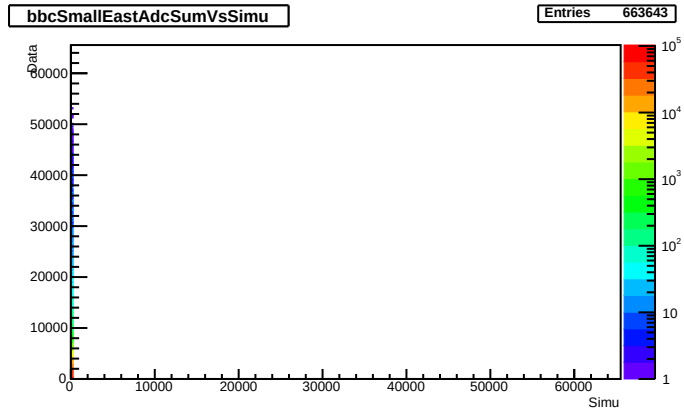

EQ3 QTB
Entries 1.907955e+08
ADC
QT Input Channel

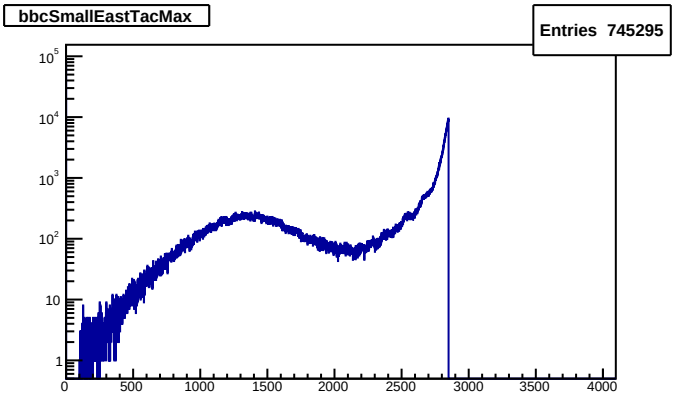

EQ3 QTB
Entries 6.289003e+07
TDC
QT Input Channel

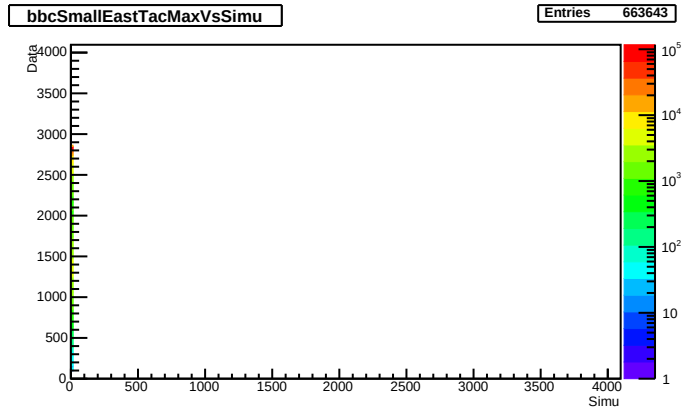

EQ3 QTC
Entries 7.154832e+07
ADC
QT Input Channel


EQ3 QTC
Entries 7.154832e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 745295


bbcSmallEastAdcSumVsSimu
Entries 663643
Data
Simu


bbcSmallEastTacMax
Entries 745295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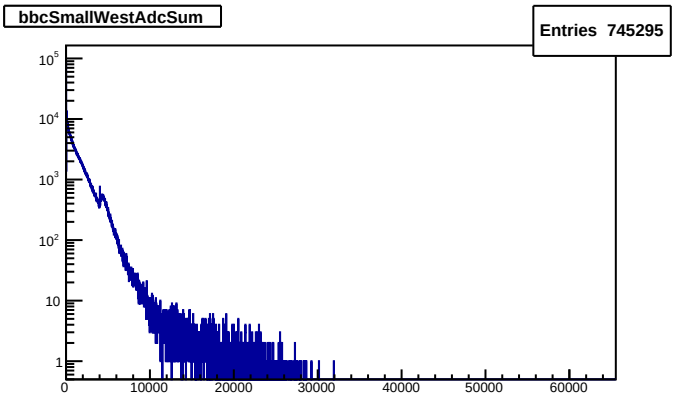
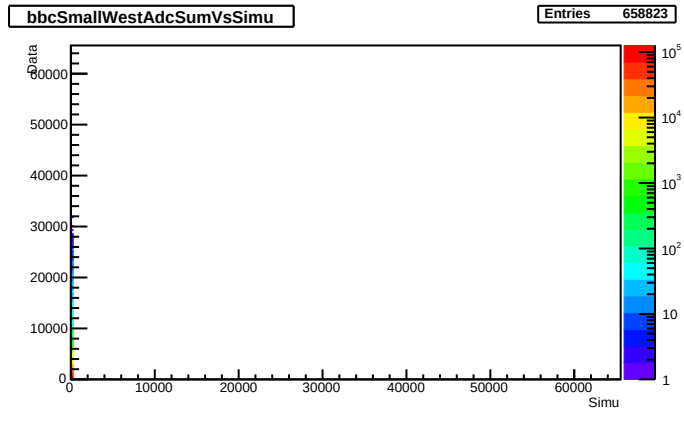
Entries 663643
Data
Simu


bbcSmallWestAdcSum
Entries 745295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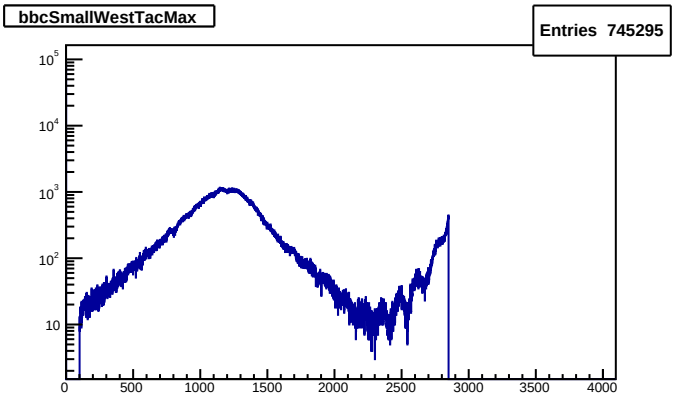
Entries 658823
Data
Simu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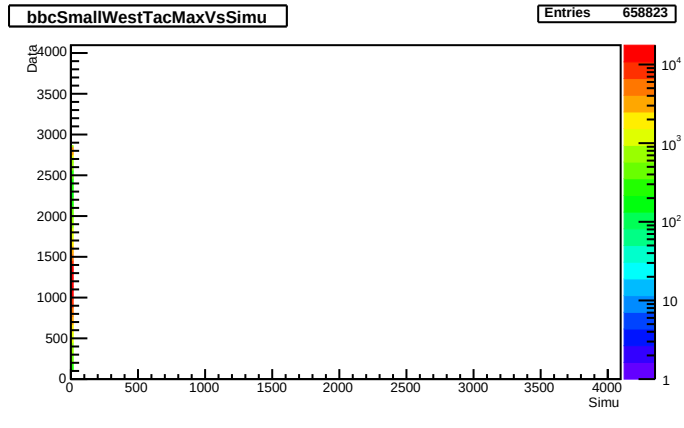
Entries 745295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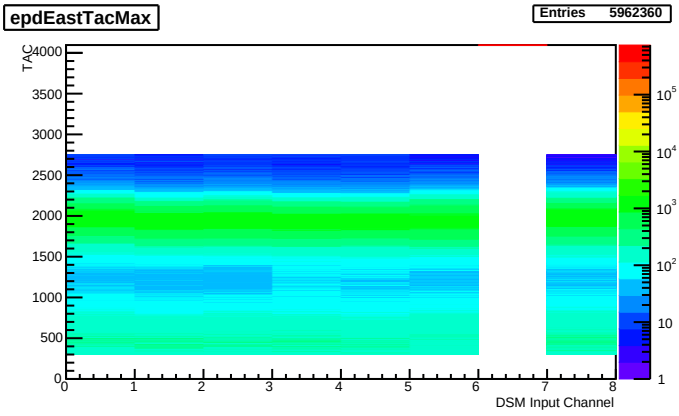
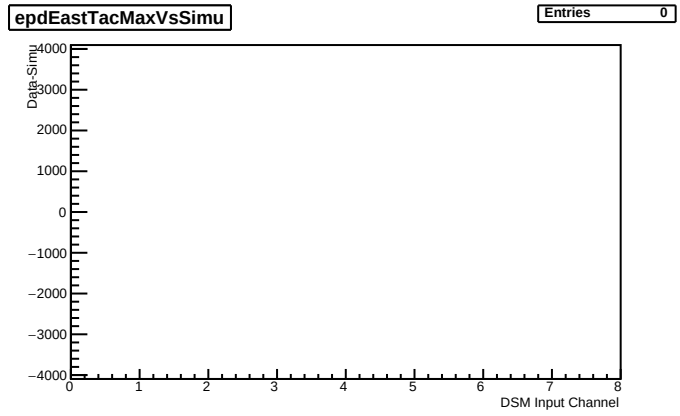
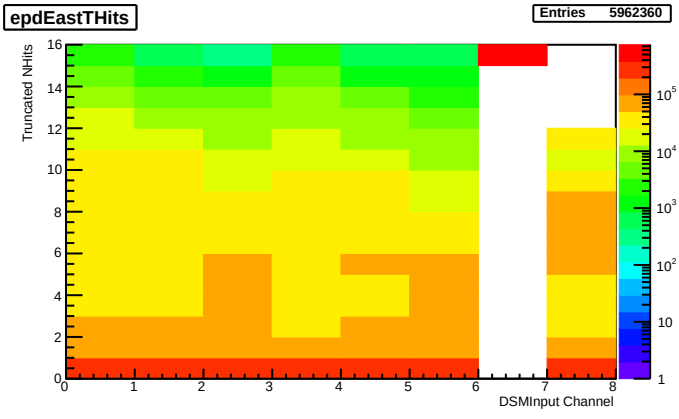
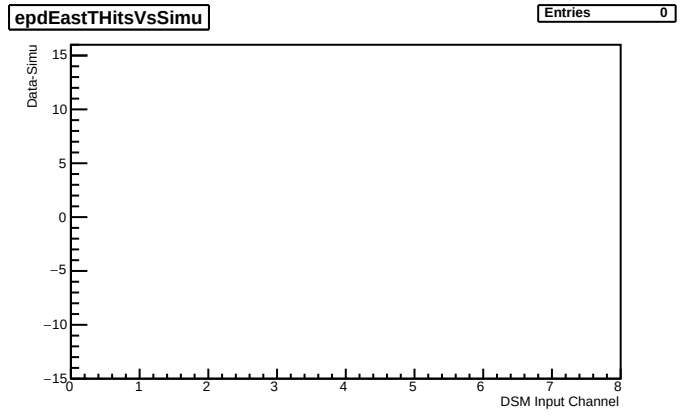
Entries 658823
Data
Simu


epdEastTacMax
Entries 5962360
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5962360
Truncated NHits
DSMInput Channel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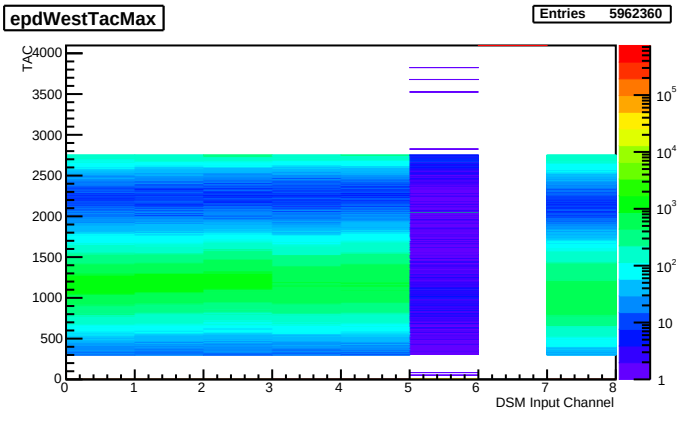
Data-Simu
DSM Input Channel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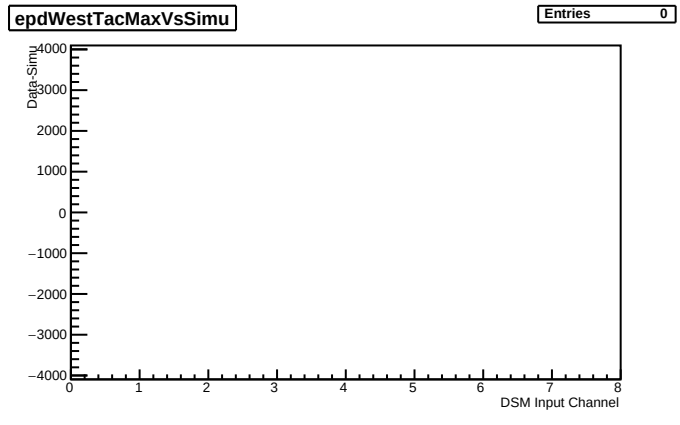
Entries 5962360
TAC
DSM Input Channel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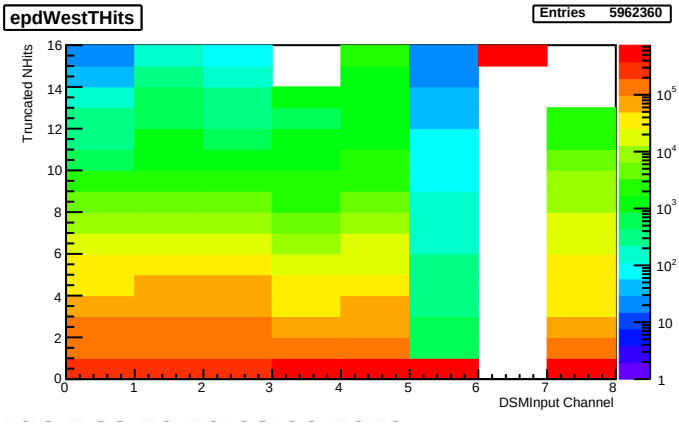
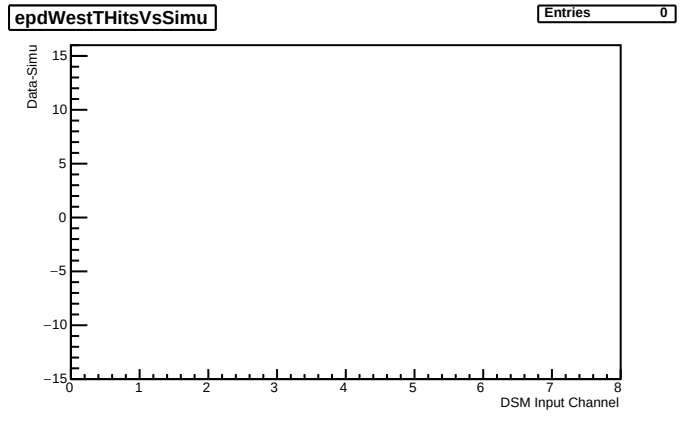
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5962360
Truncated NHits
DSMInput Channel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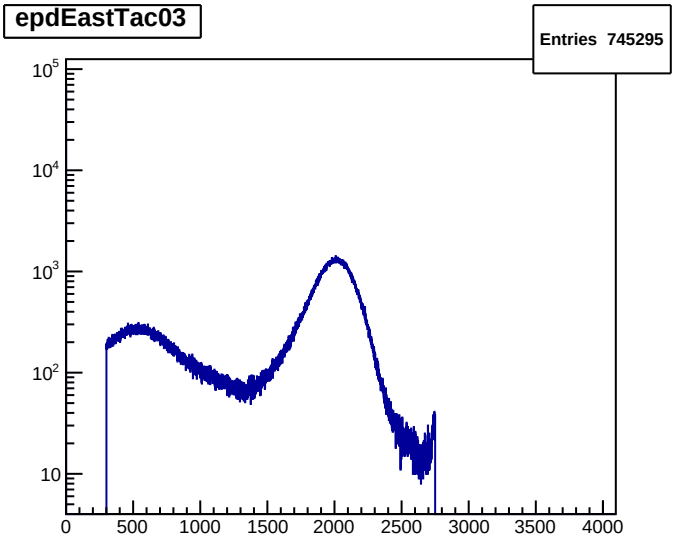
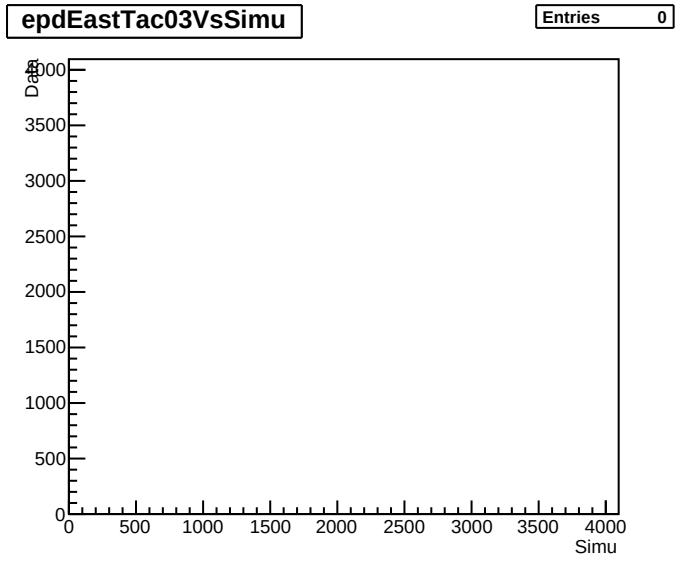
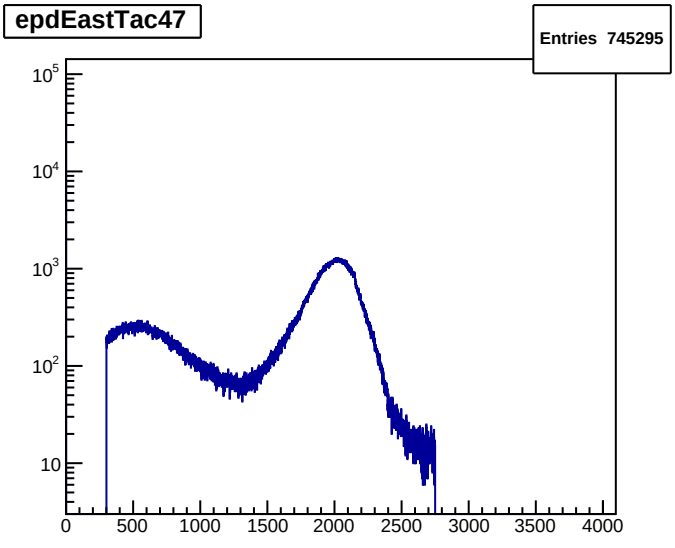
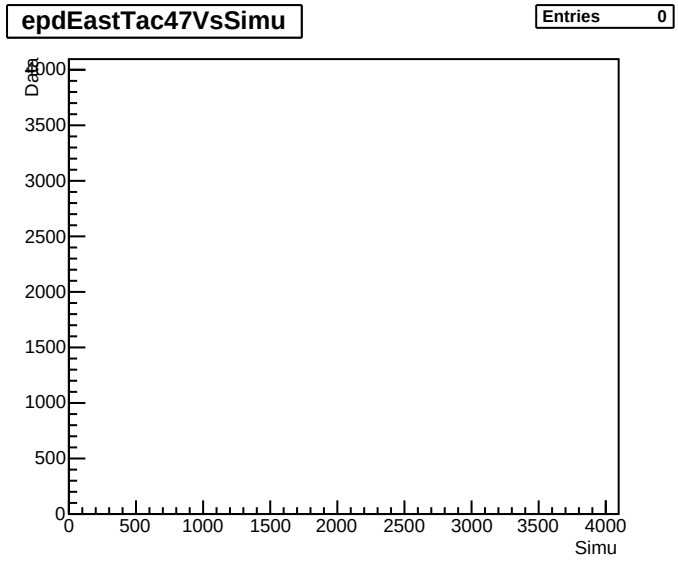
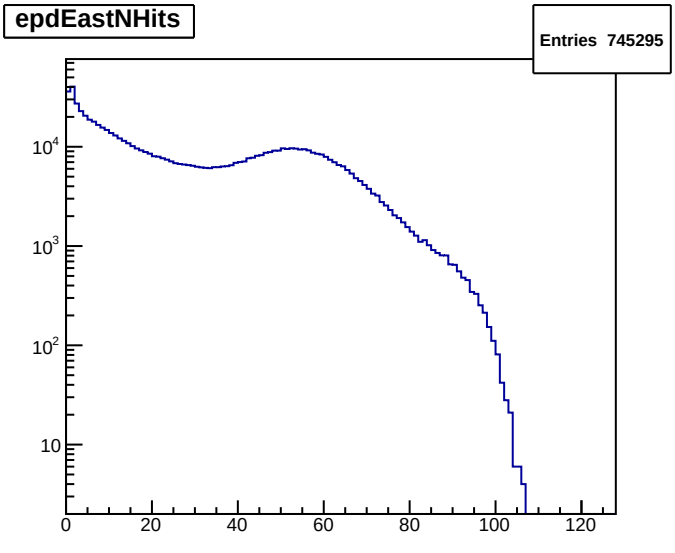
Entries 0
Data-Simu
DSM Input Channel

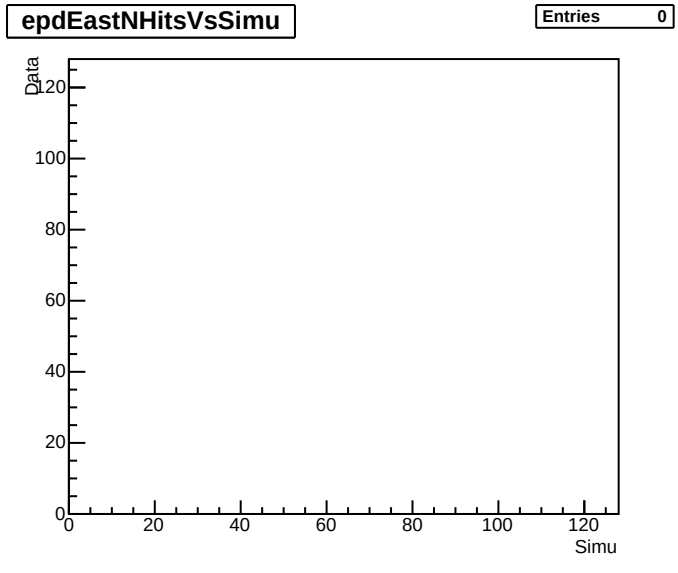

epdEastTac03
Entries 745295


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 745295


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 745295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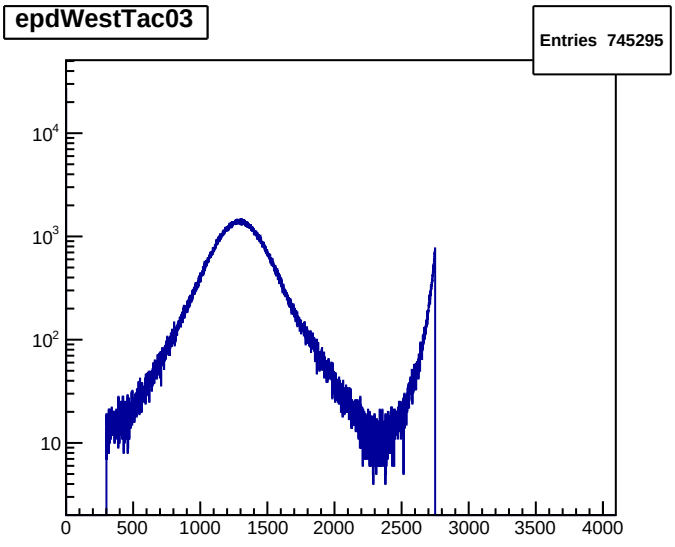
Entries 0
Data
Simu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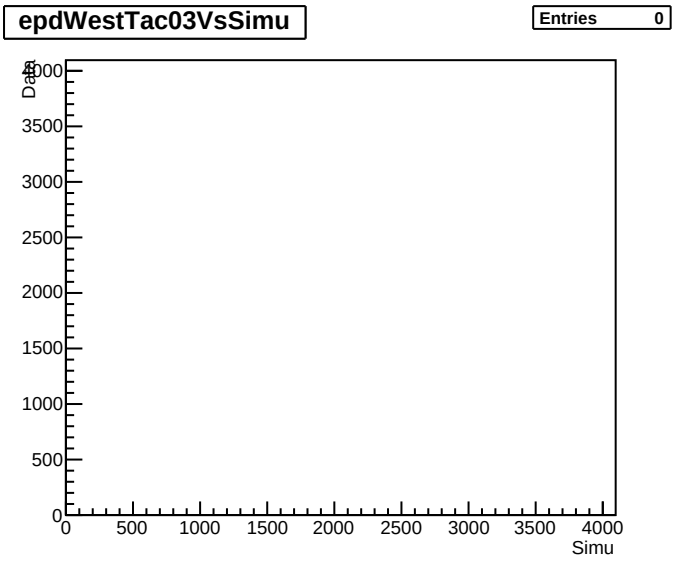
Entries 745295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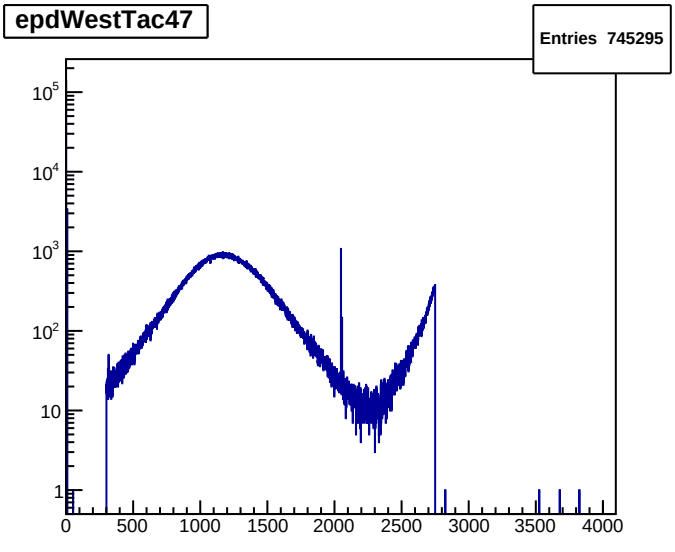
Entries 0
Data
Simu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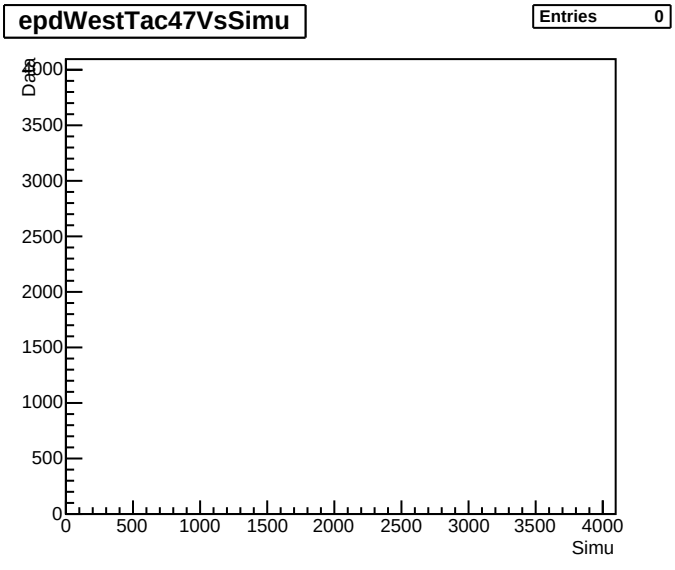
Entries 745295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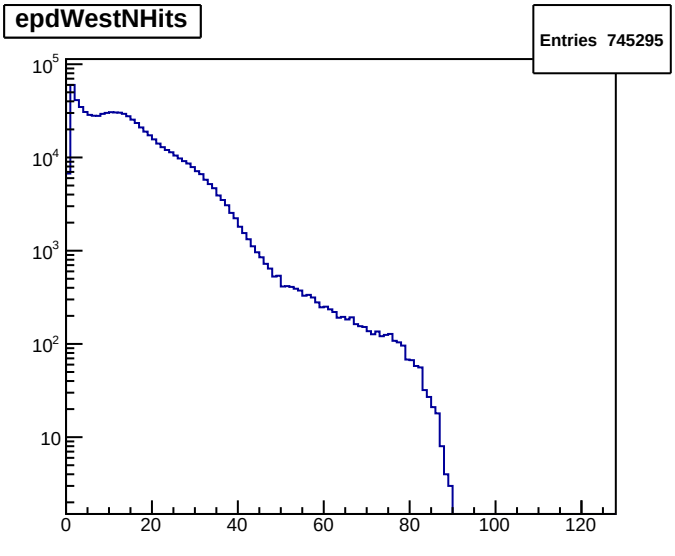
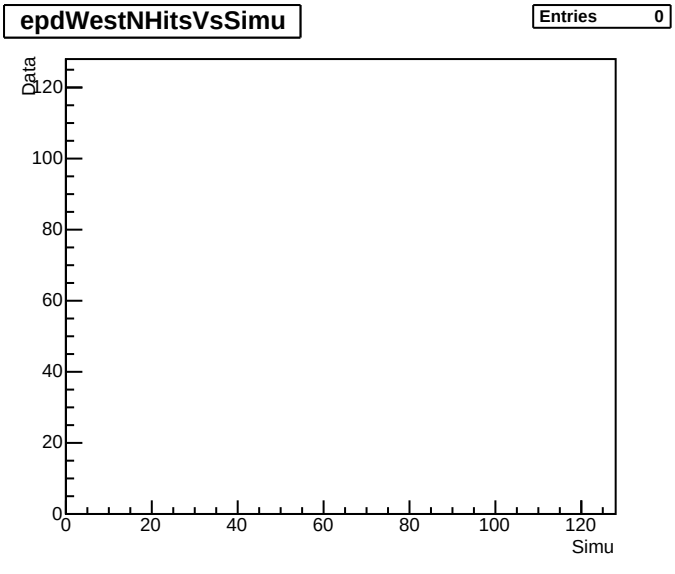
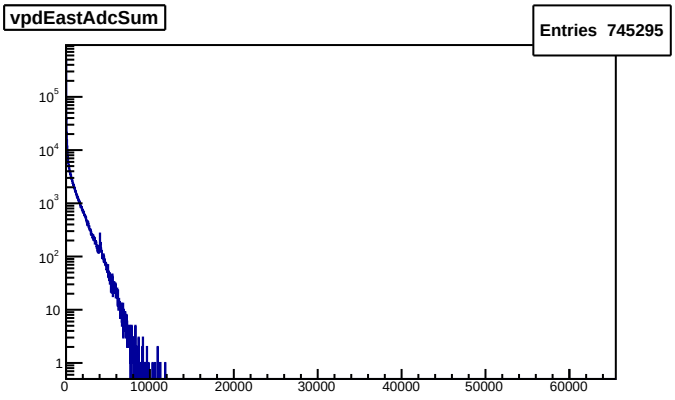
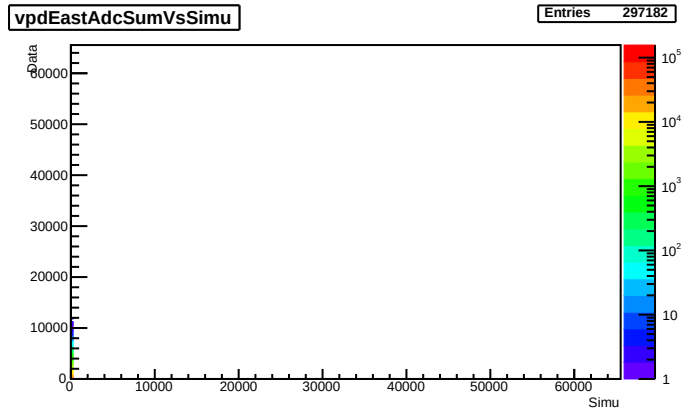
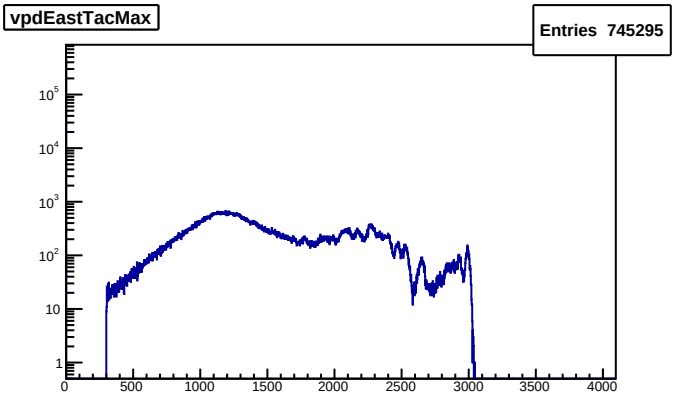
Entries 0
Data
Simu

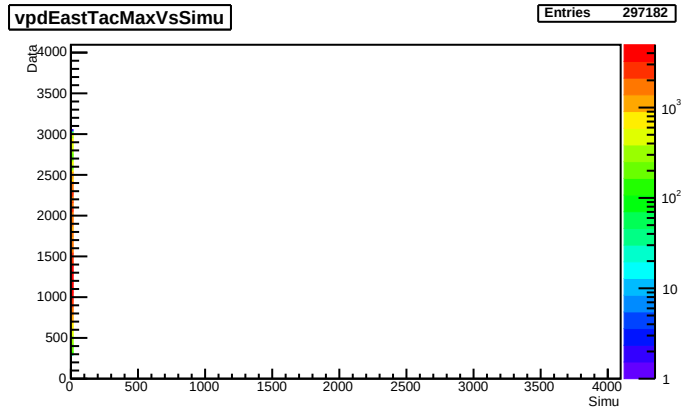

epdWestNHits
Entries 745295

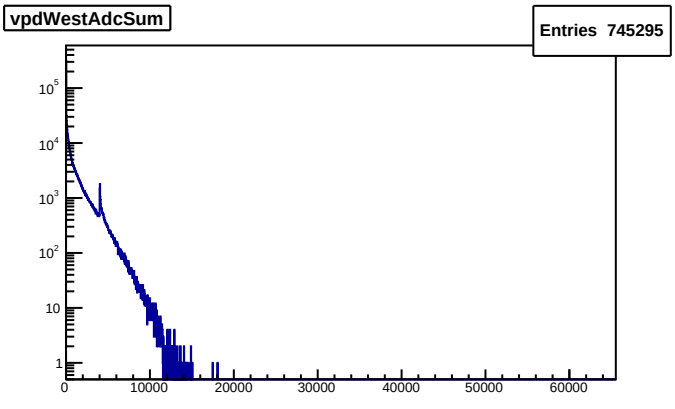

epdWestNHitsVsSimu
Entries 0
Data
Simu

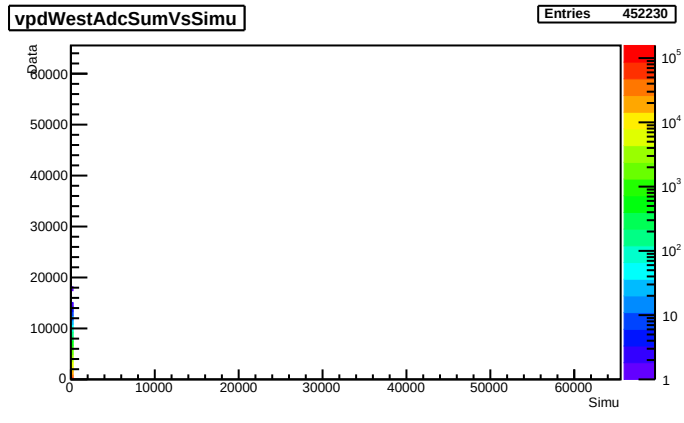

vpdEastAdcSum
Entries 745295

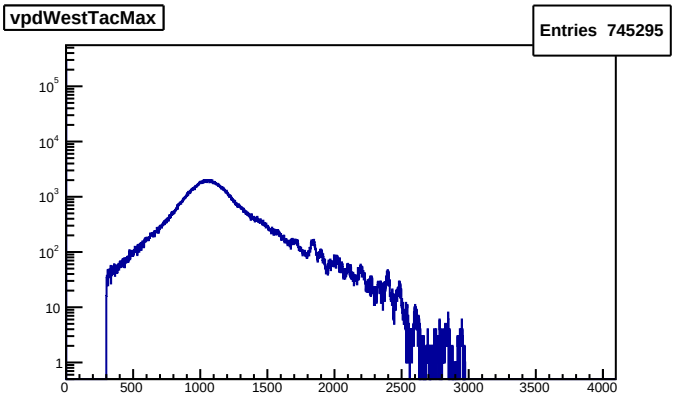

vpdEastAdcSumVsSimu
Entries 297182
Data
Simu

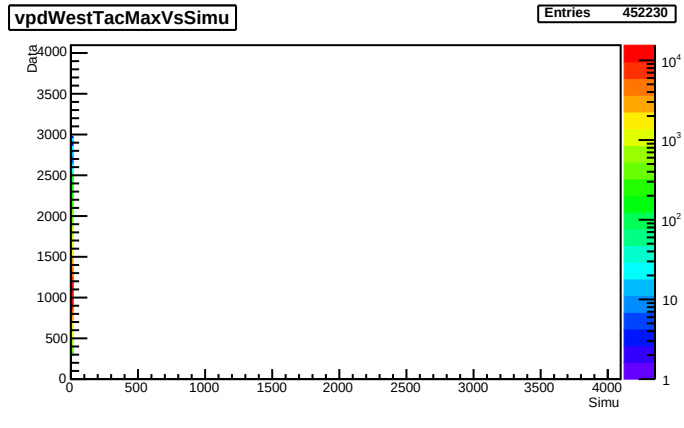

vpdEastTacMax
Entries 745295

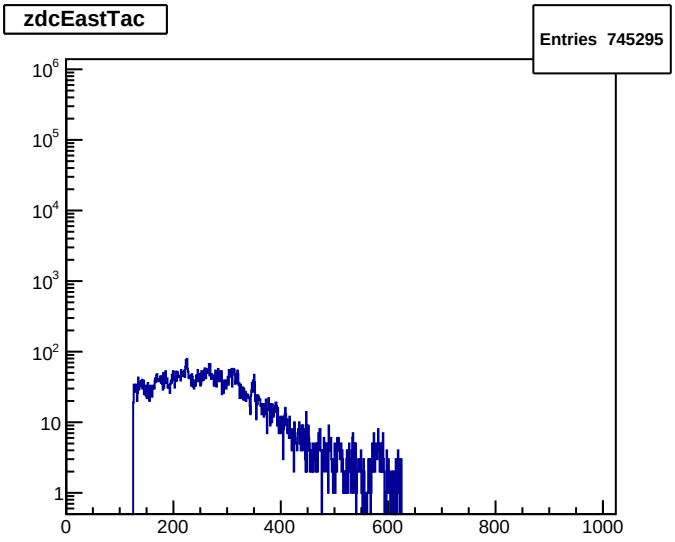

vpdEastTacMaxVsSimu
Entries 297182
Data
Simu

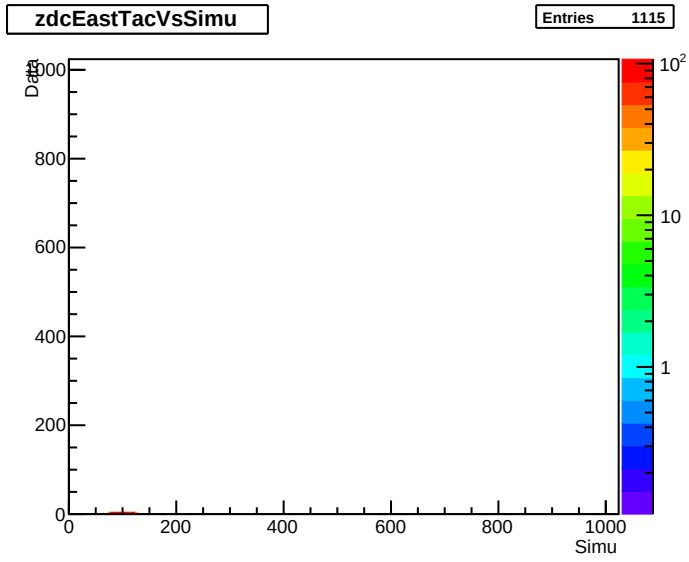

vpdWestAdcSum
Entries 745295

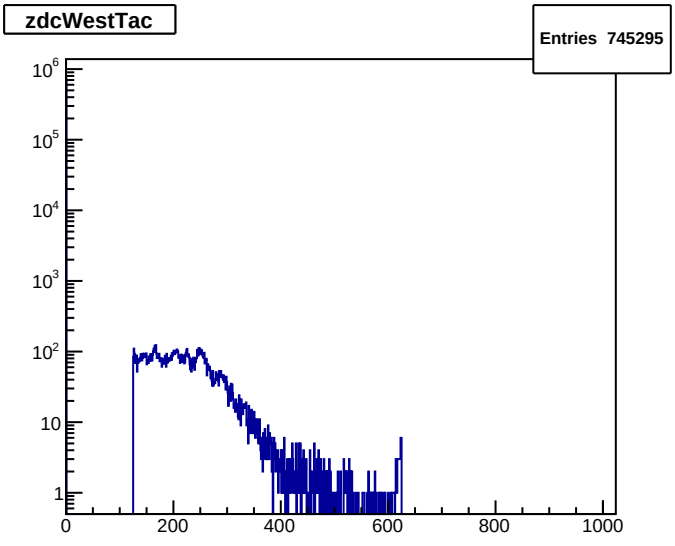

vpdWestAdcSumVsSimu
Entries 452230
Data
Simu

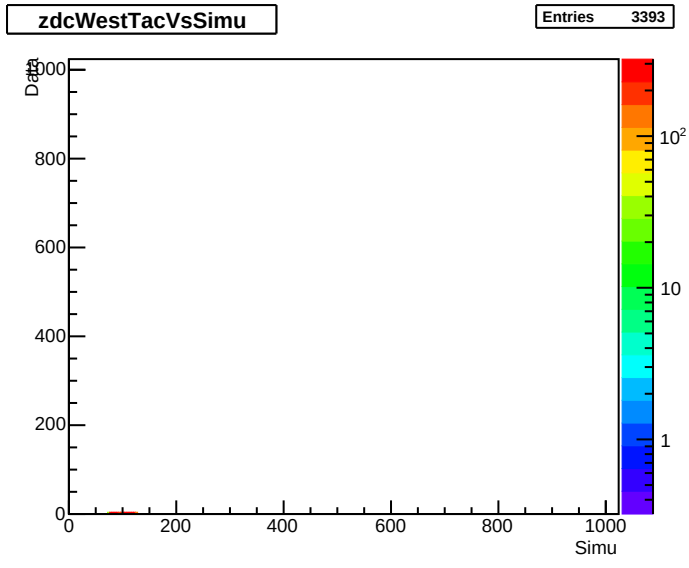

vpdWestTacMax
Entries 745295

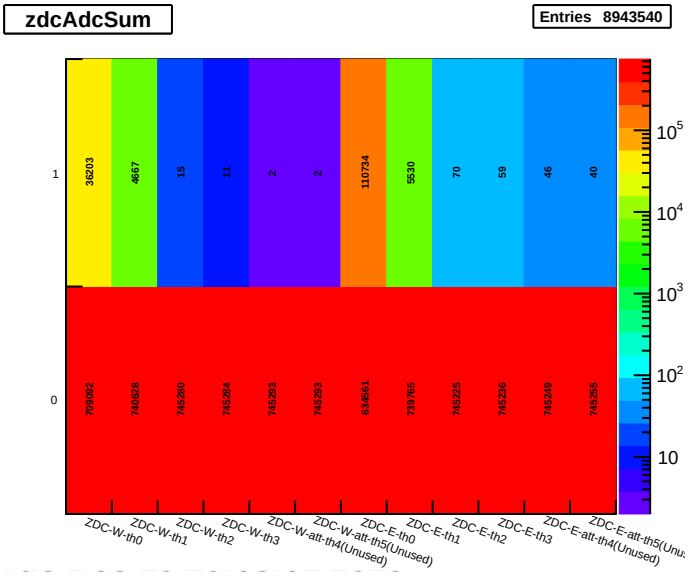

vpdWestTacMaxVsSimu
Entries 452230
Data
Simu

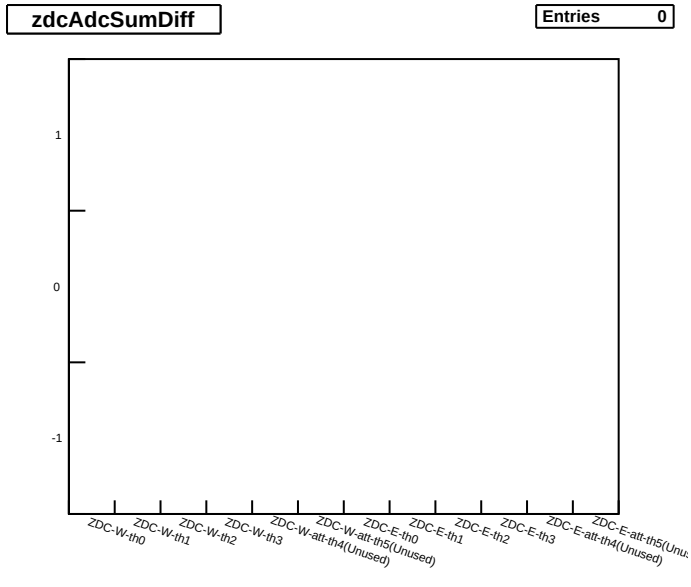

zdcEastTac
Entries 745295

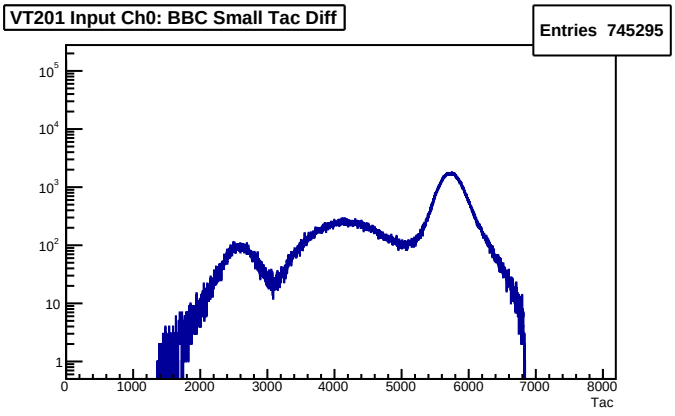

zdcEastTacVsSimu
Entries 1115
Data
Simu

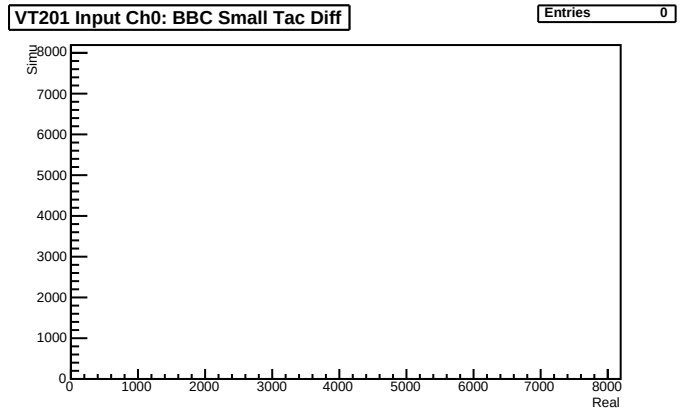

zdcWestTac
Entries 745295

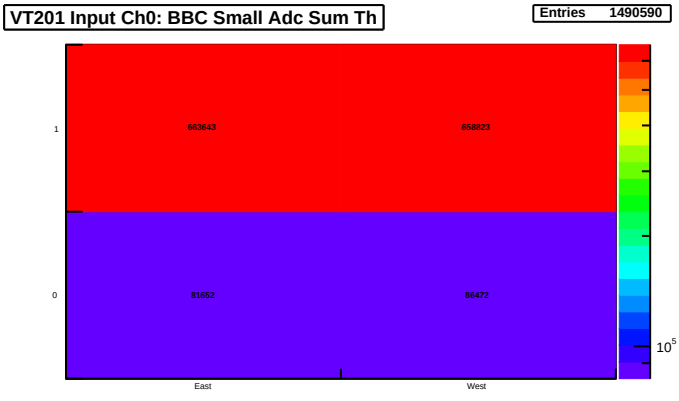

zdcWestTacVsSimu
Entries 3393
Data
Simu

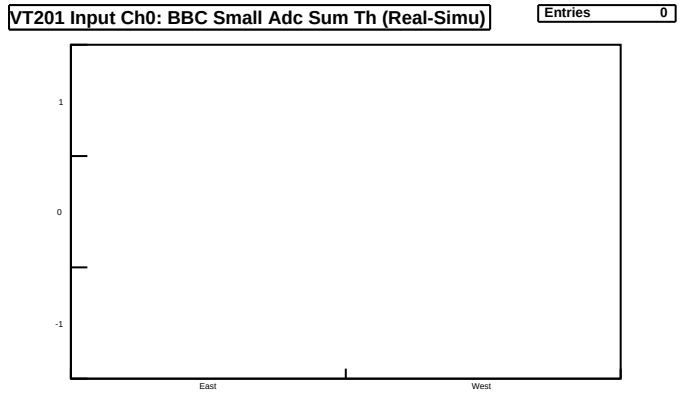

zdcAdcSum
Entries 8943540
36203
4667
15
11
2
2
110734
5530
70
59
46
40
709092
740628
745280
745284
745293
745293
634561
739765
745225
745236
745249
745255
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

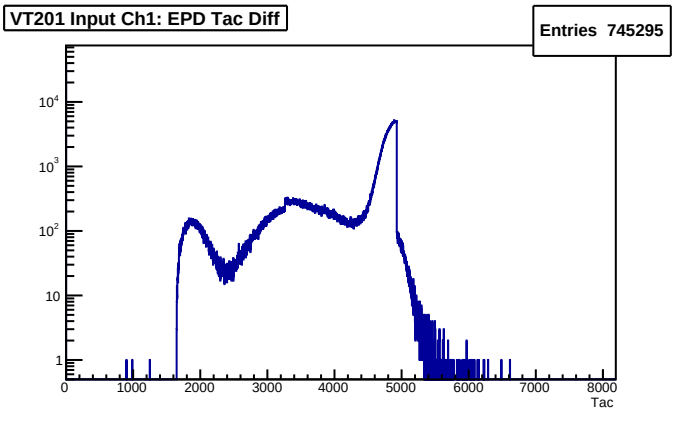

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

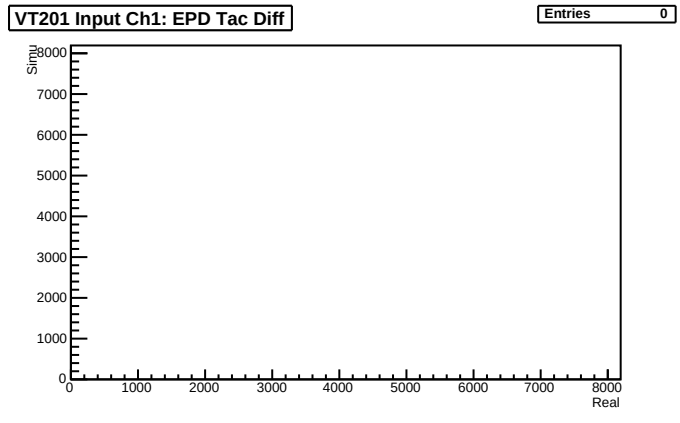

VT201 Input Ch0: BBC Small Tac Diff
Entries 745295
Tac

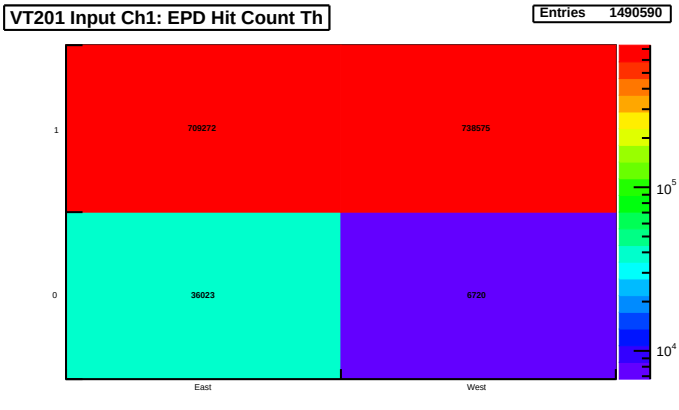

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

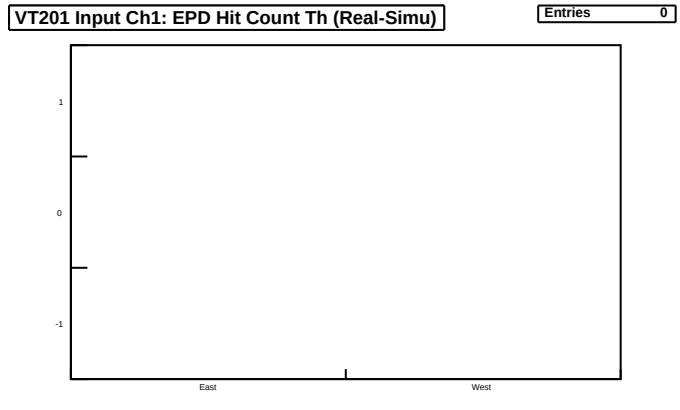

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1490590
663643
658823
81652
86472
East
West

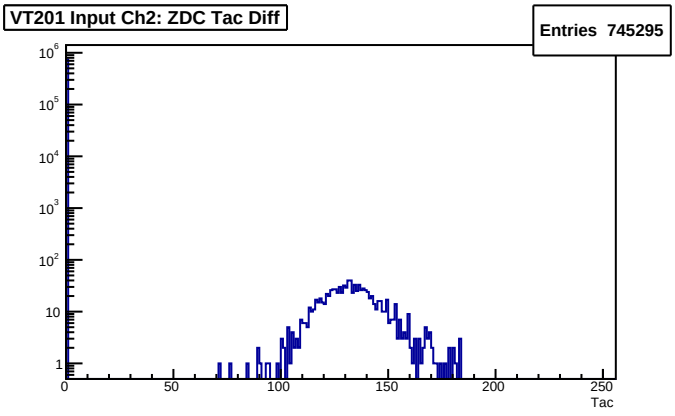

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

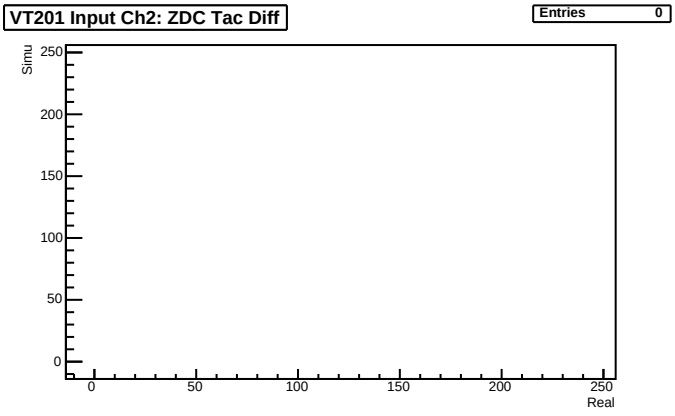

VT201 Input Ch1: EPD Tac Diff
Entries 745295
Tac

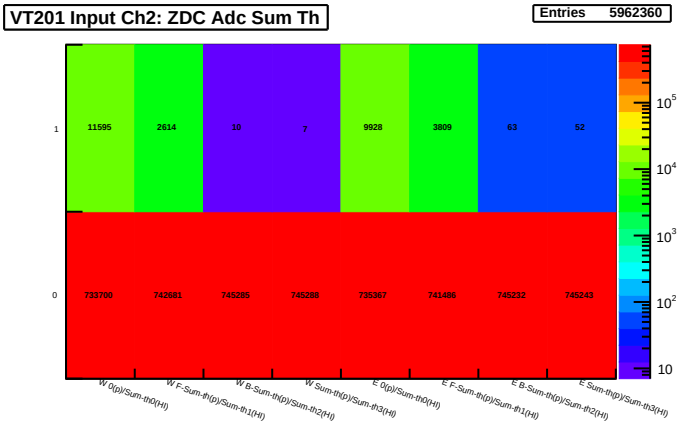

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

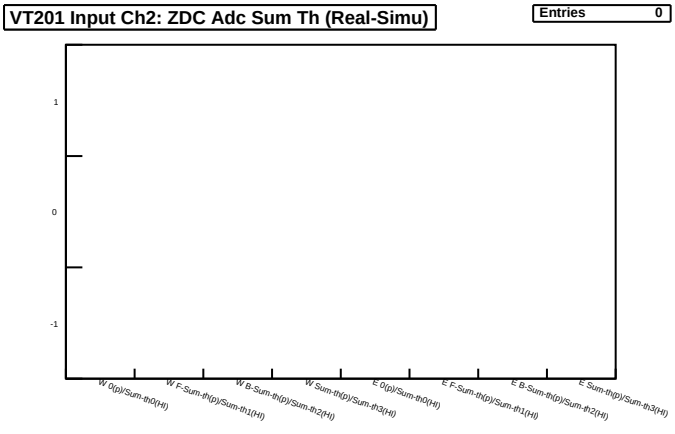

VT201 Input Ch1: EPD Hit Count Th
Entries 1490590
709272
738575
36023
6720
East
West

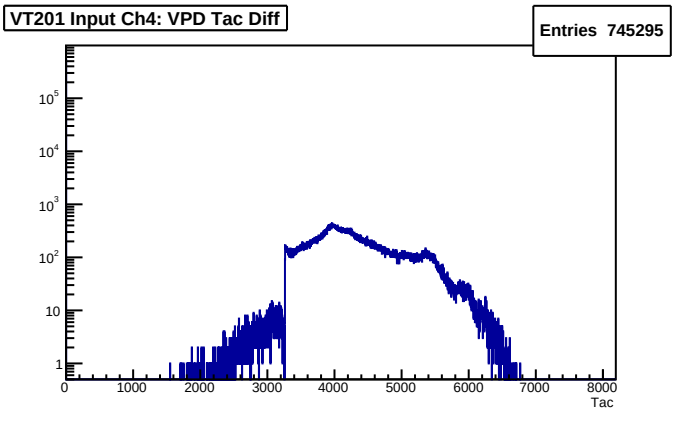

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

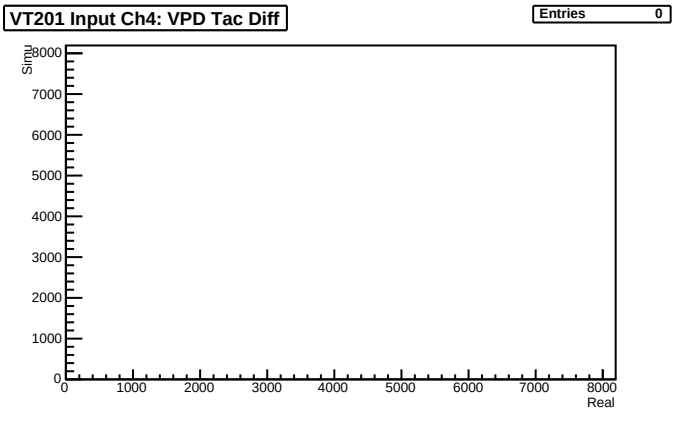

VT201 Input Ch2: ZDC Tac Diff
Entries 745295
Tac

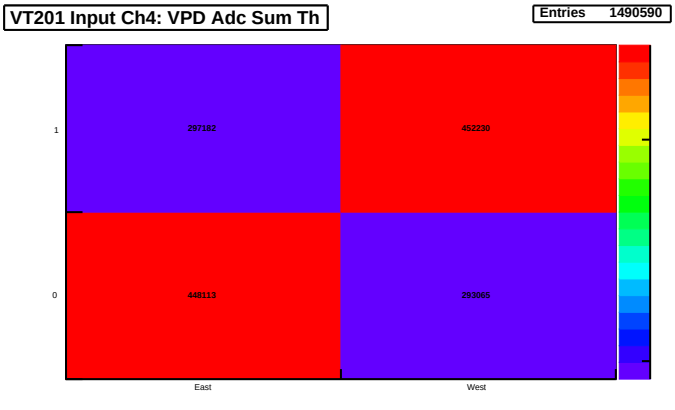

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

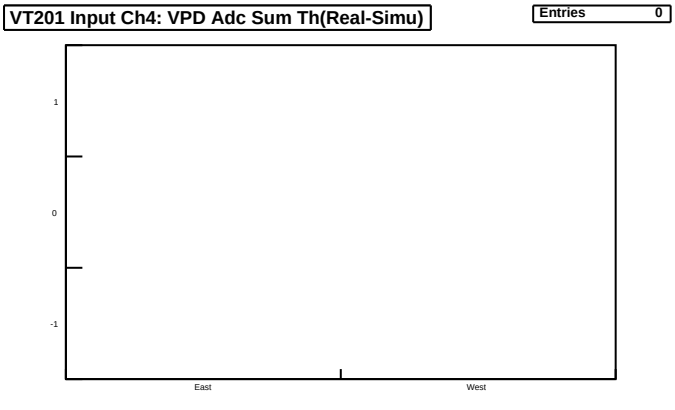

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5962360
11595
2614
10
7
9928
3809
63
52
733700
742681
745285
745288
735367
741486
745232
745243
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

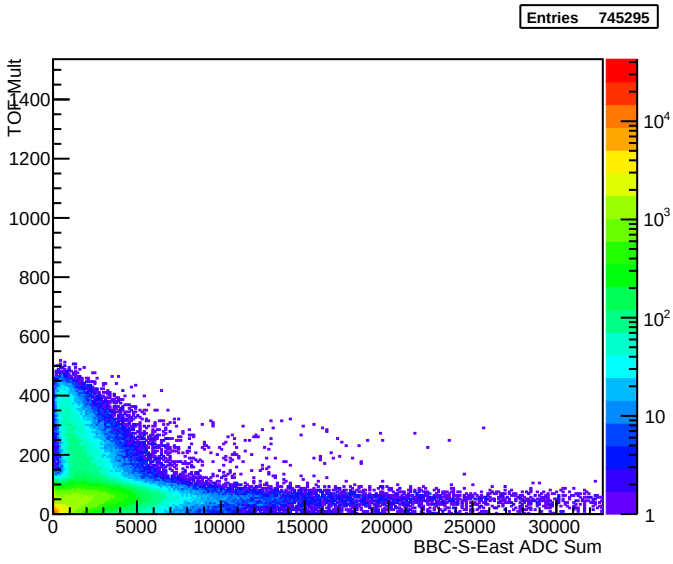

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

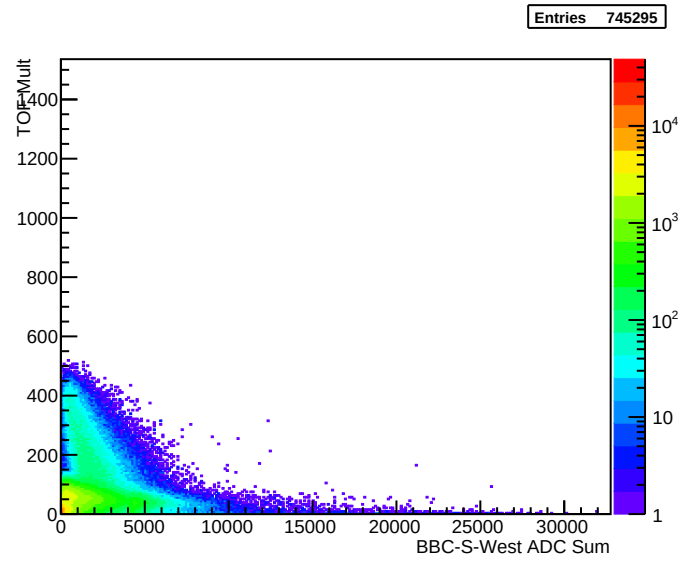

VT201 Input Ch4: VPD Tac Diff
Entries 745295
Tac

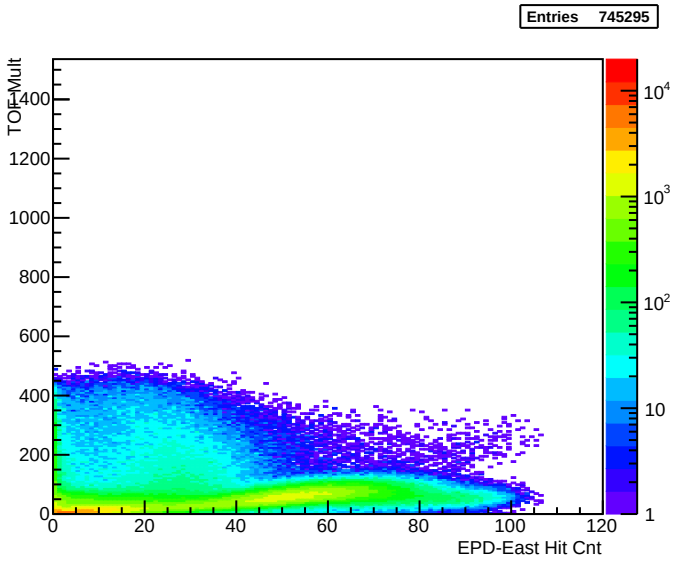

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

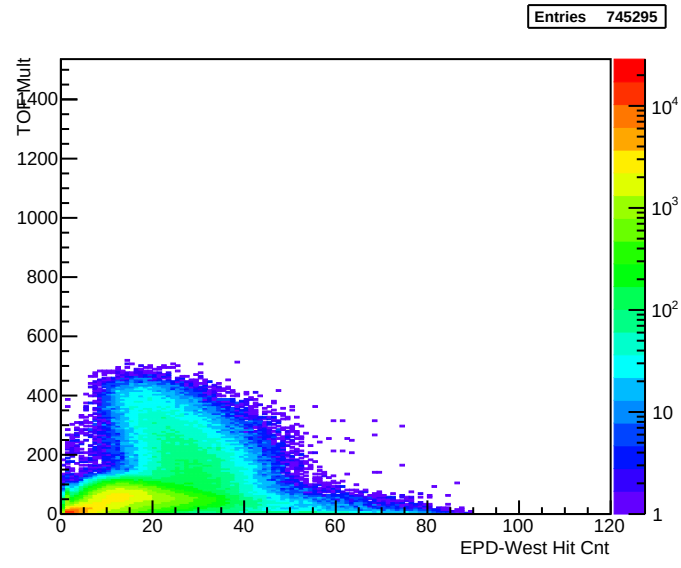

VT201 Input Ch4: VPD Adc Sum Th
Entries 1490590
297182
452230
448113
293065
East
West

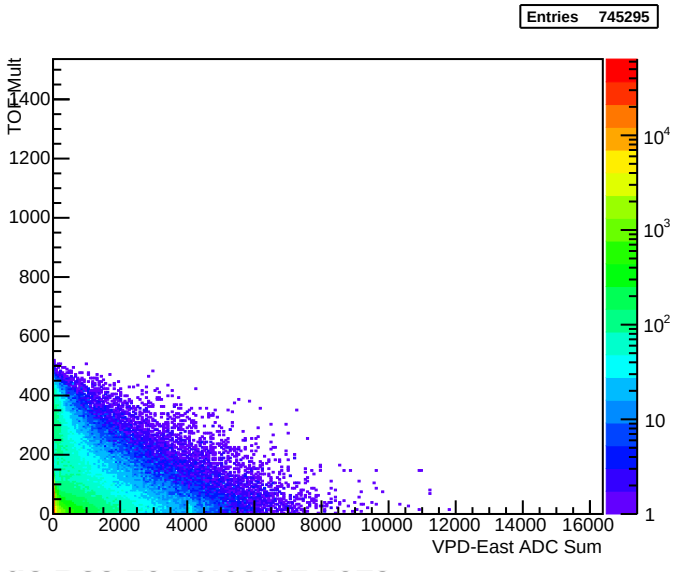

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

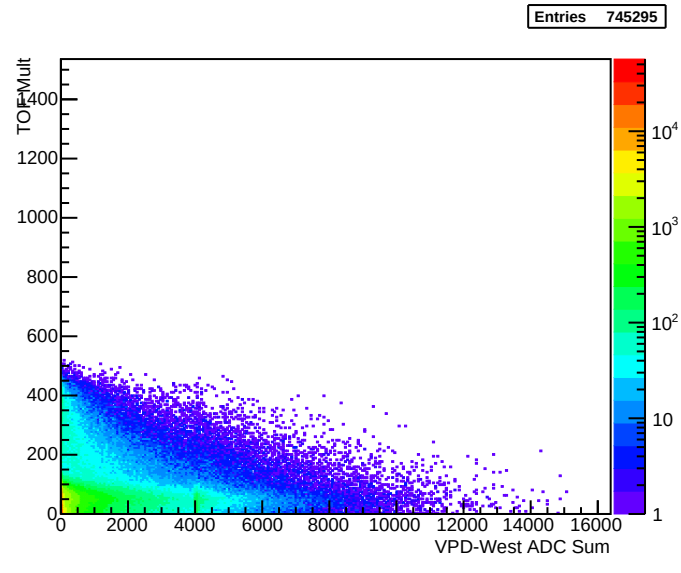

Entries 745295
TOF-Mult
BBC-S-East ADC Sum

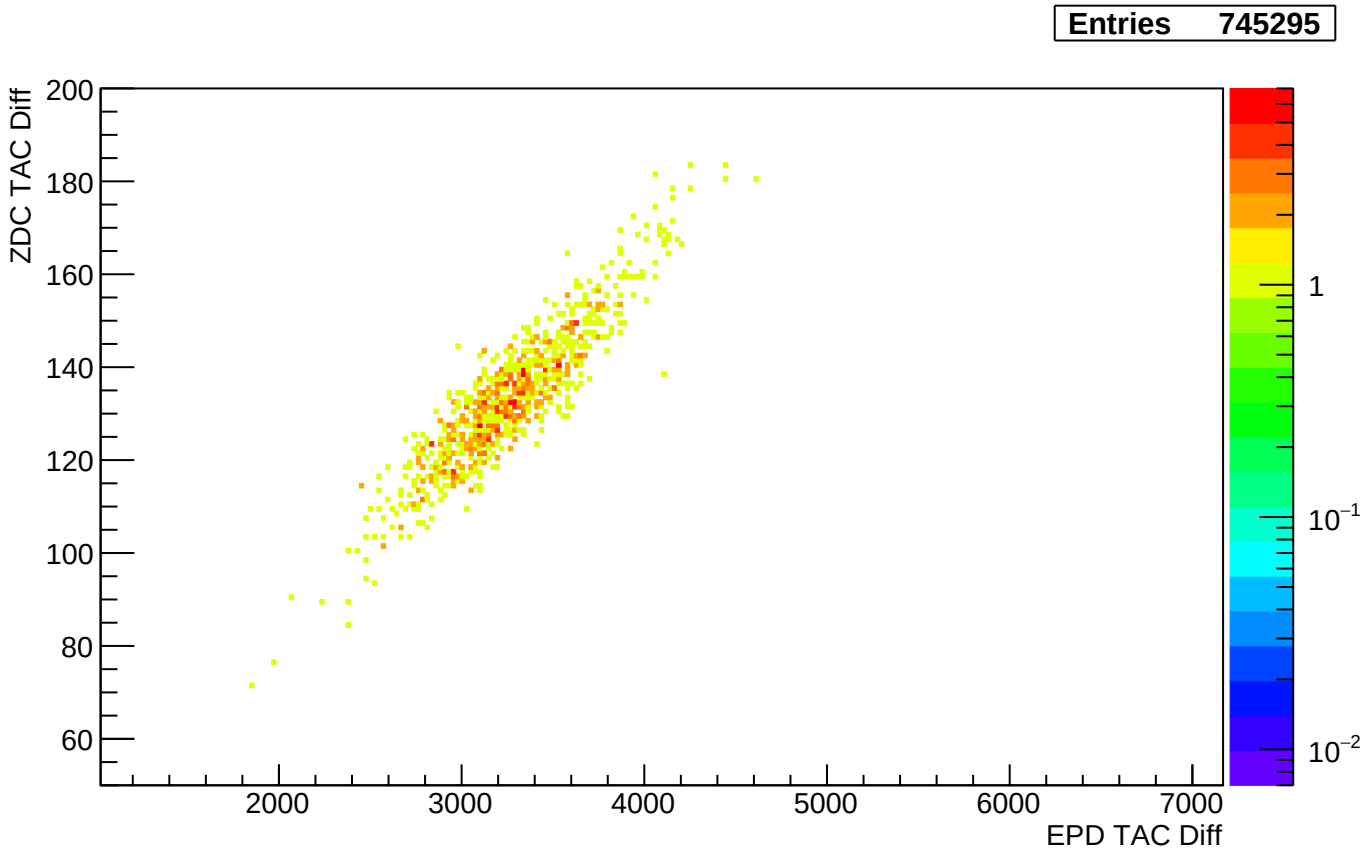

Entries 745295
TOF-Mult
BBC-S-West ADC Sum

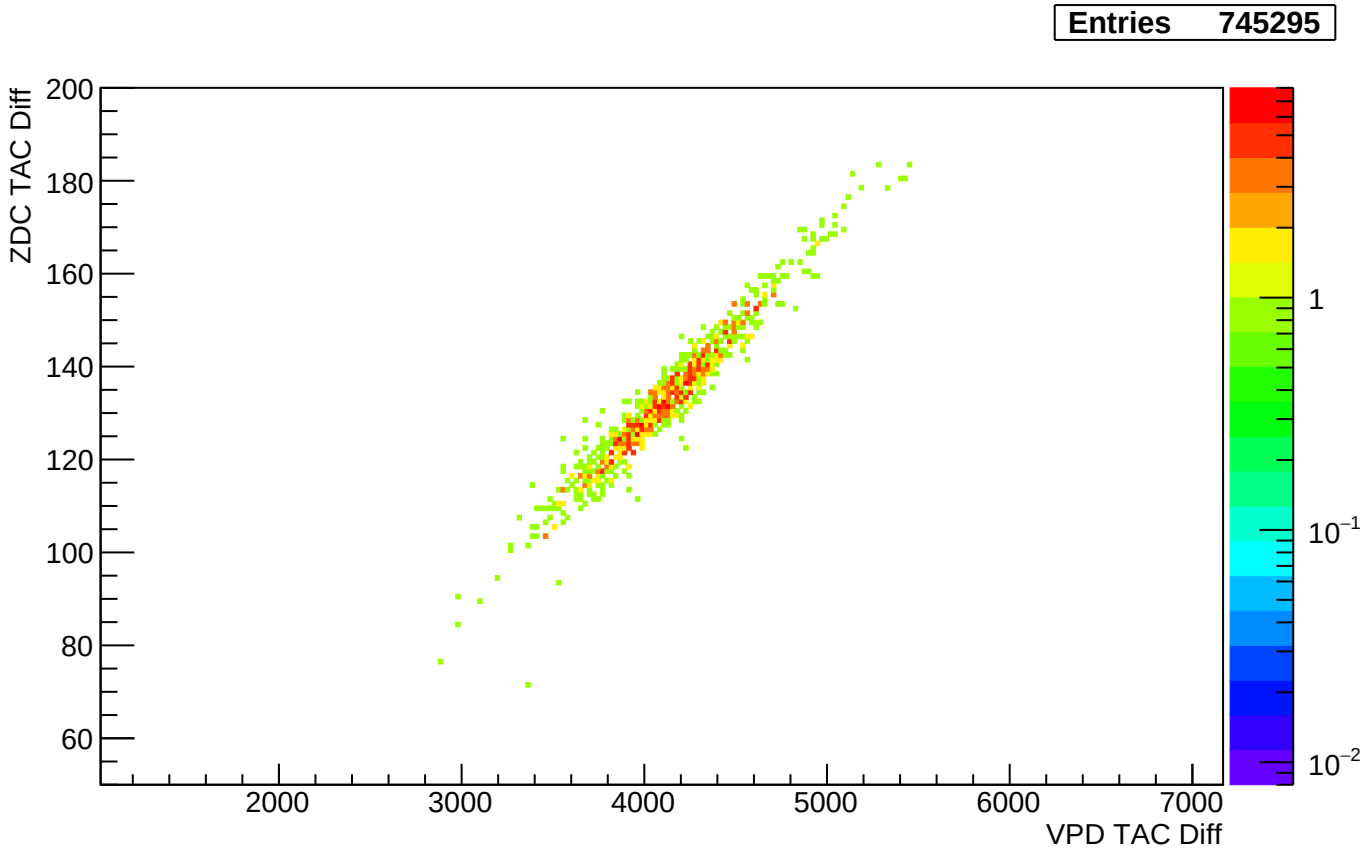

Entries 745295
TOF-Mult
EPD-East Hit Cnt

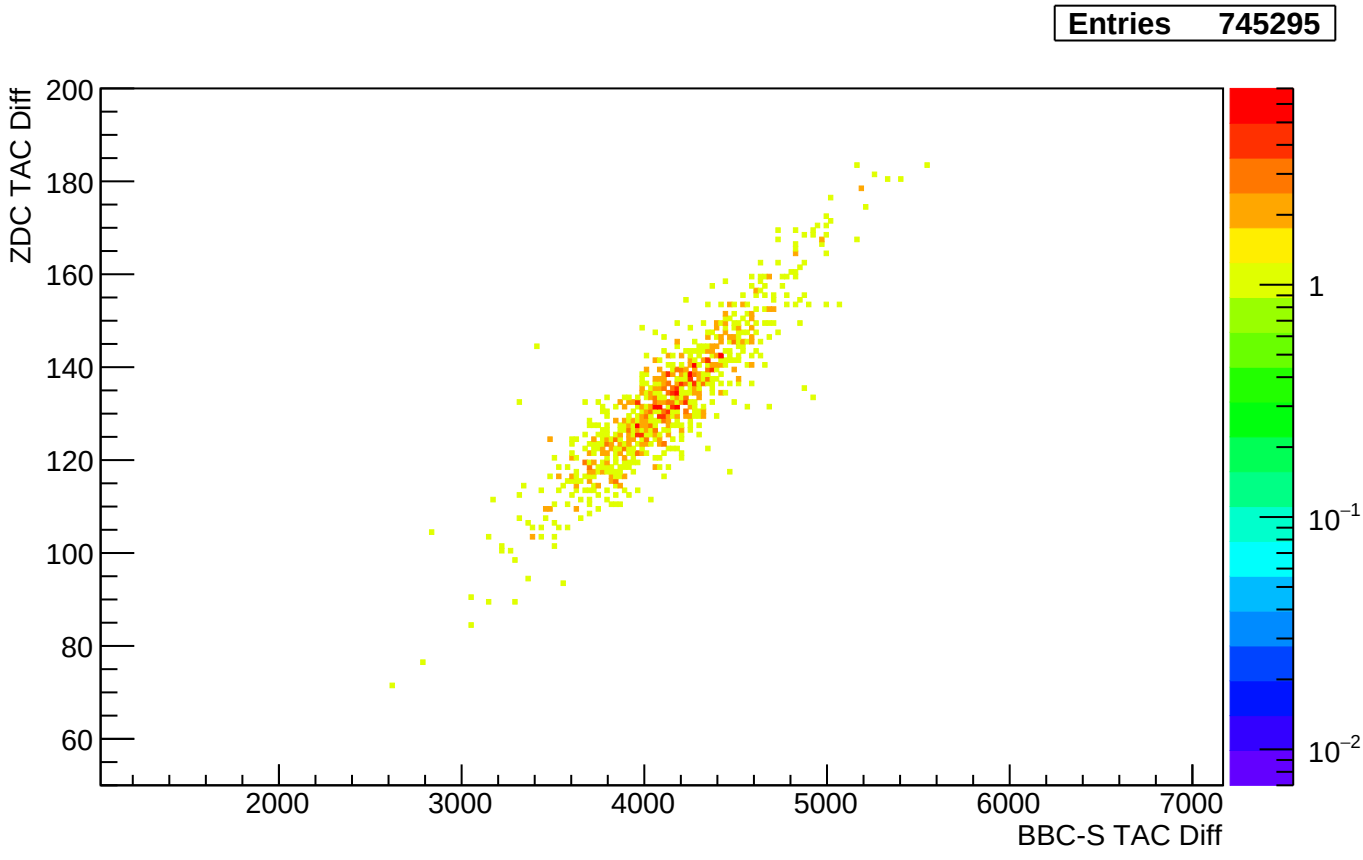

Entries 745295
TOF-Mult
EPD-West Hit Cnt

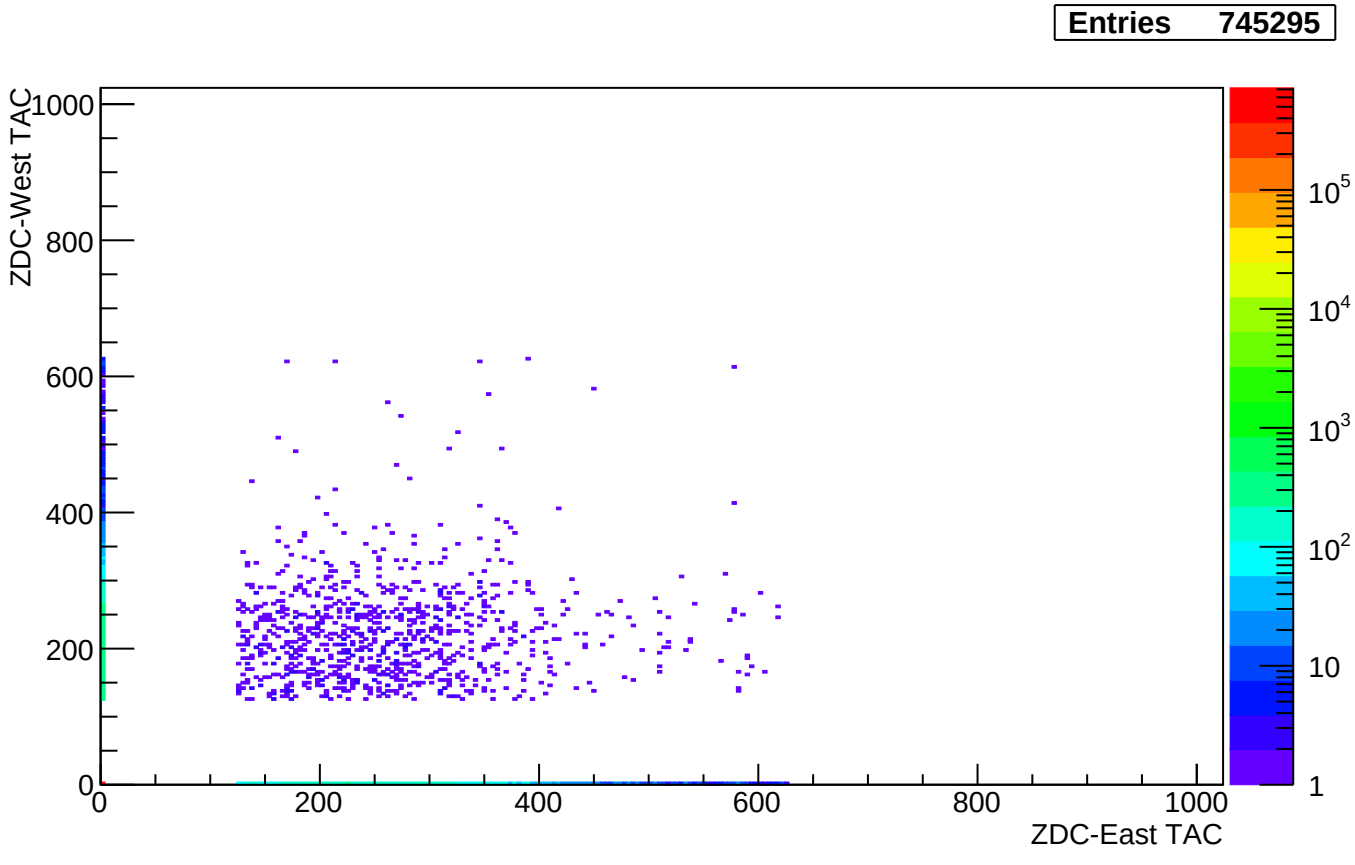

Entries 745295
TOF-Mult
VPD-East ADC Sum

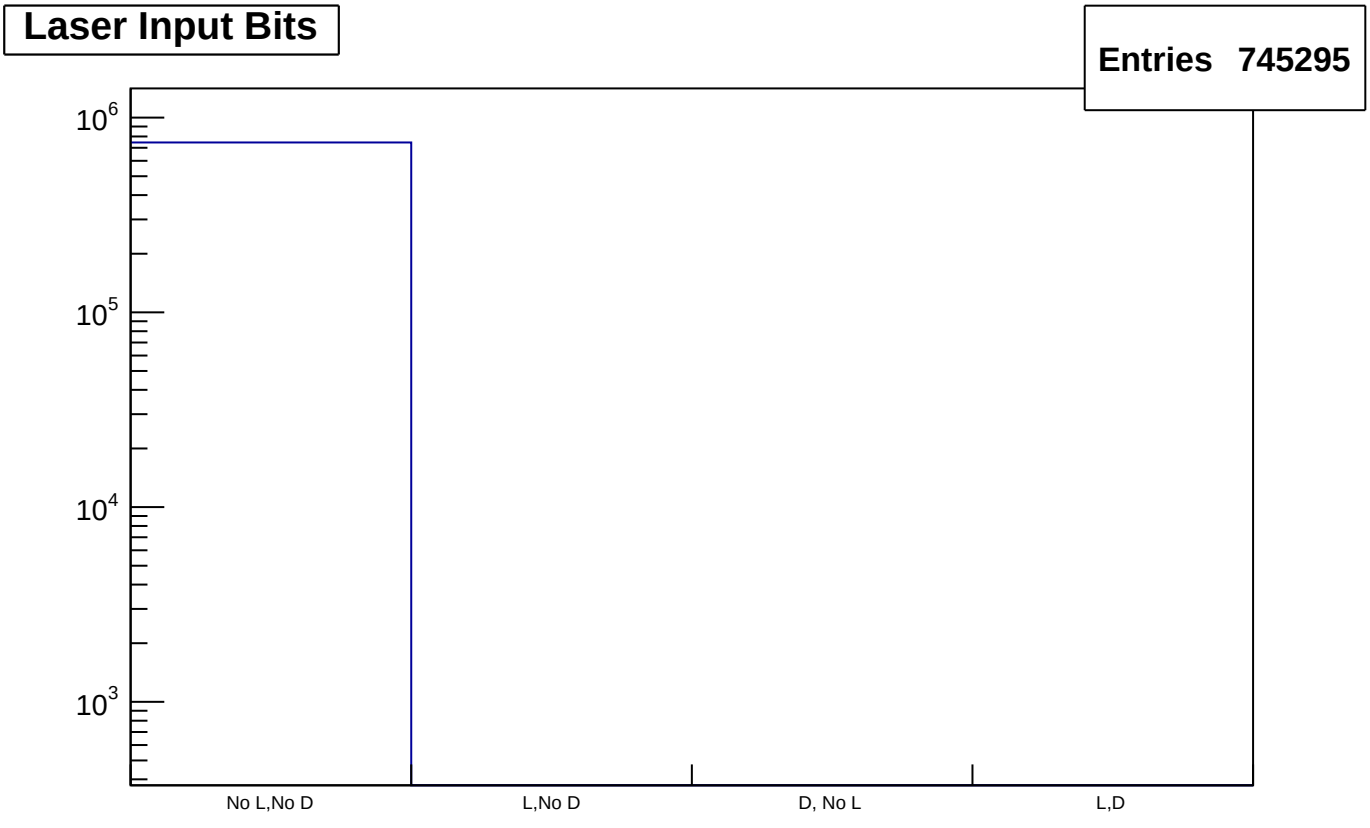

Entries 745295
TOF-Mult
VPD-West ADC Sum

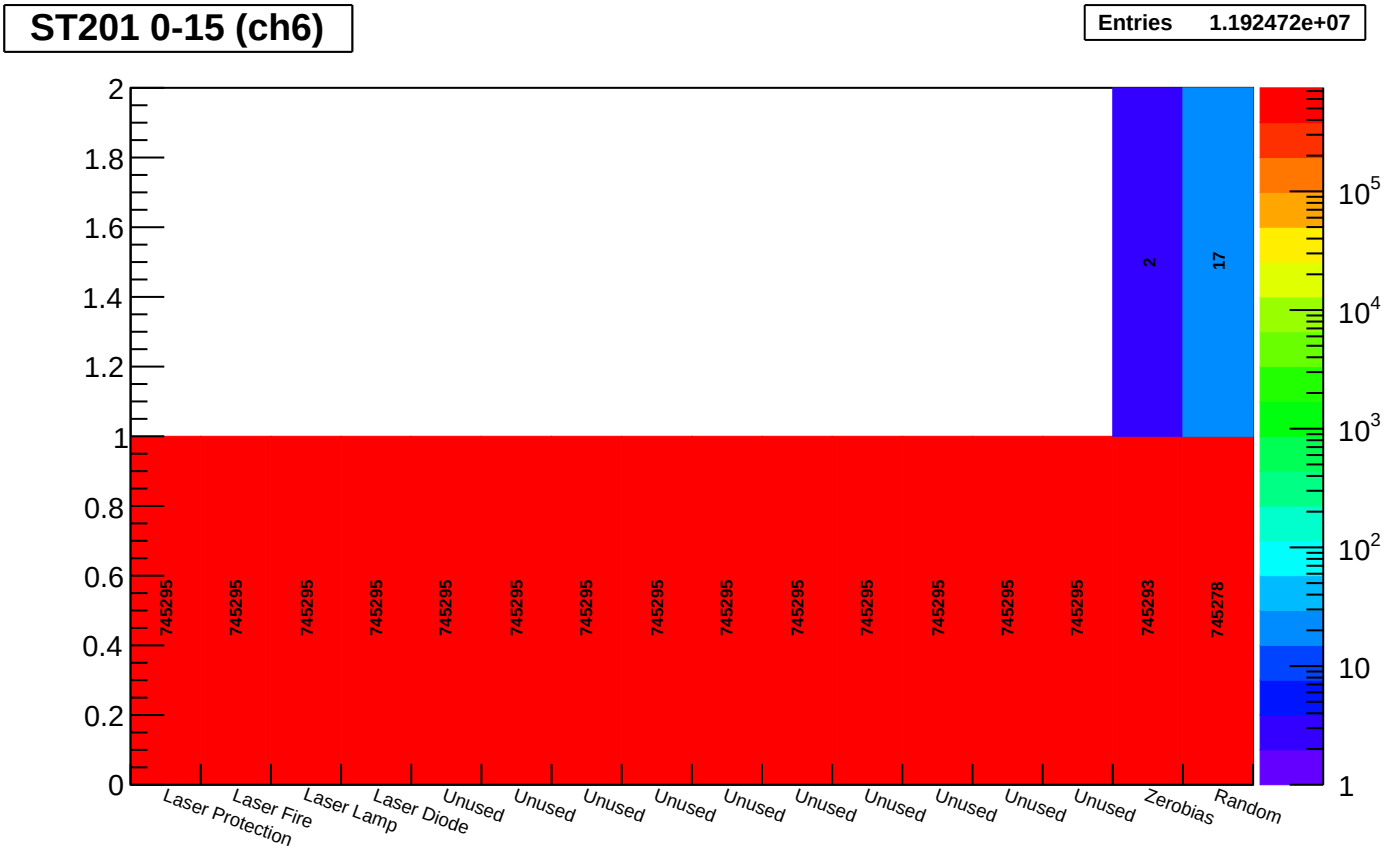

Entries 745295
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

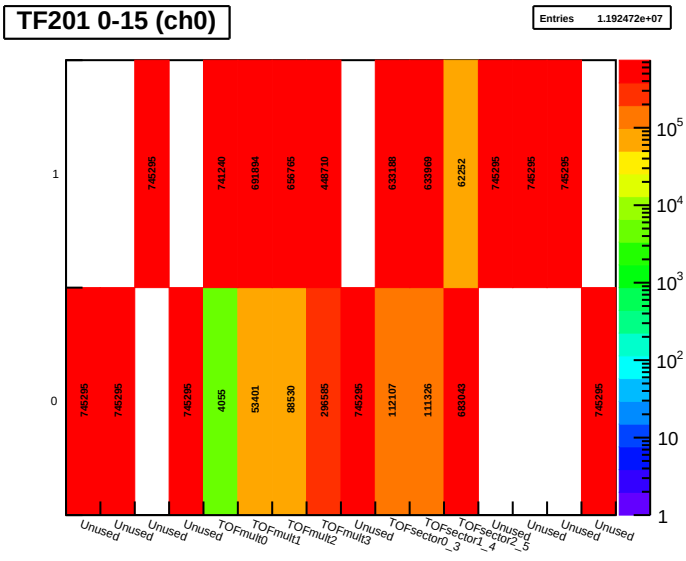

Entries 745295
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

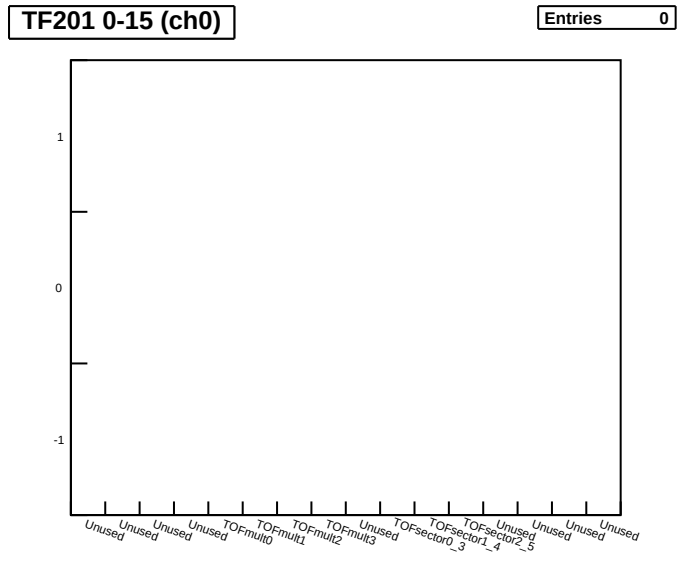

Entries 745295
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

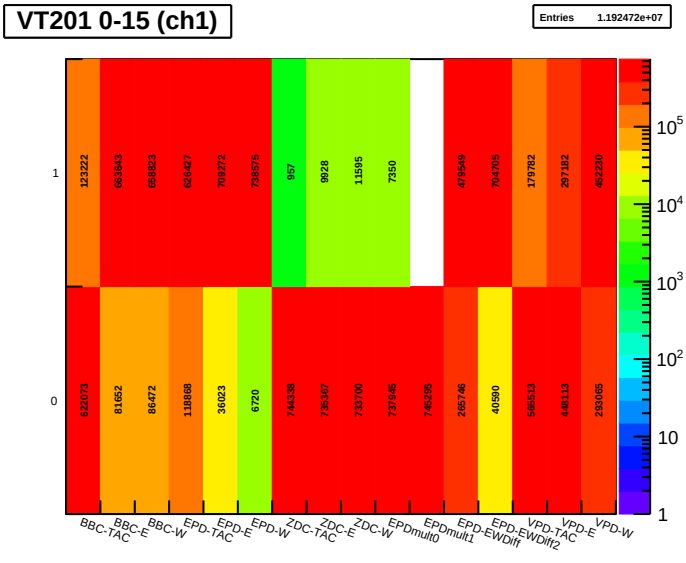

Entries 745295
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

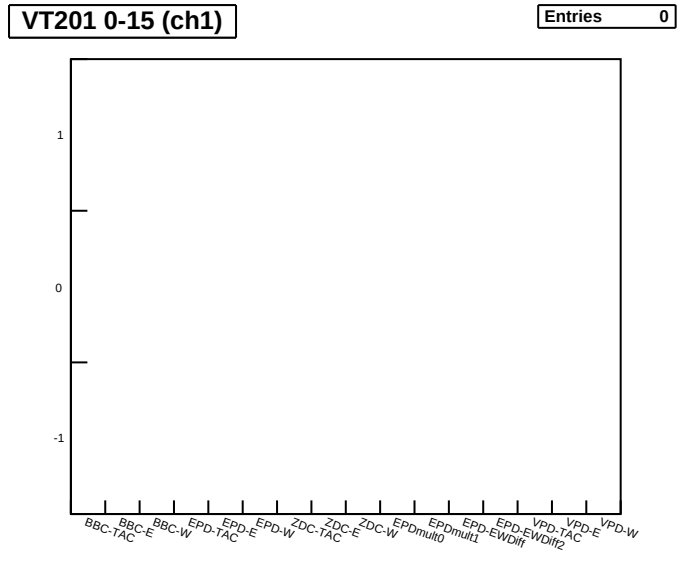

Laser Input Bits
Entries 745295
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

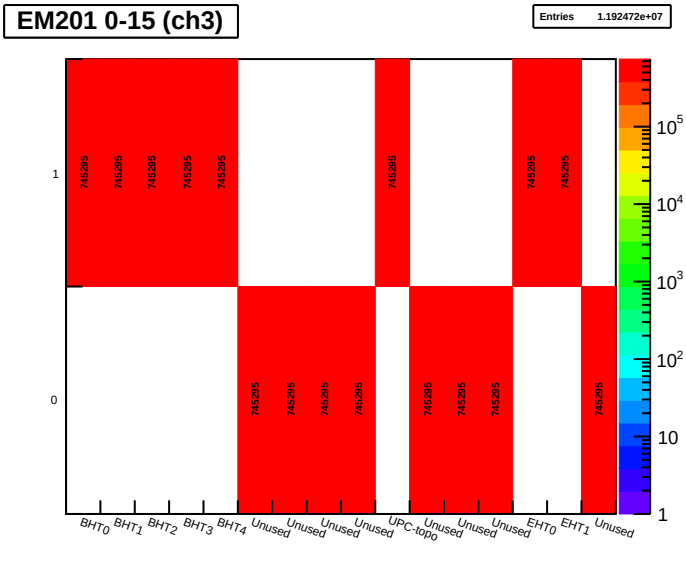

ST201 0-15 (ch6)
Entries 1.192472e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
745295
745295
745295
745295
745295
745295
745295
745295
745295
745295
745295
745295
745295
745295
745293
745278
2
17
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

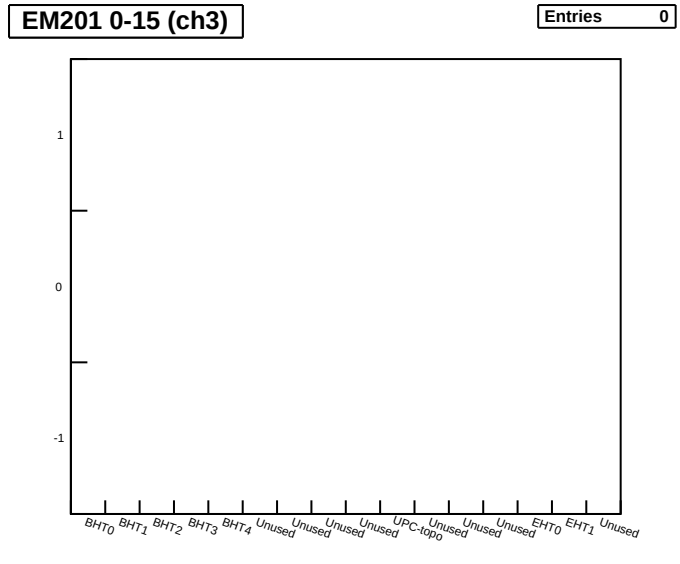

TF201 0-15 (ch0)
Entries 1.192472e+07
1
0
745295 741240 691894 656765 448710 633188 633969 62252 745295 745295 745295
745295 745295 745295 4055 53401 88530 296585 745295 112107 111326 683043 745295
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 1.192472e+07
1
0
123222 663643 658823 626427 709272 738575 957 9928 11595 7350 479549 704705 179782 297182 452230
622073 81652 86472 118868 36023 6720 744338 733367 733700 737945 745295 265746 40590 566513 448113 293065
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
1 10 10^2 10^3 10^4 10^5


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 1.192472e+07
1
0
745295 745295 745295 745295 745295 745295 745295 745295
745295 745295 745295 745295 745295 745295 745295 745295
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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