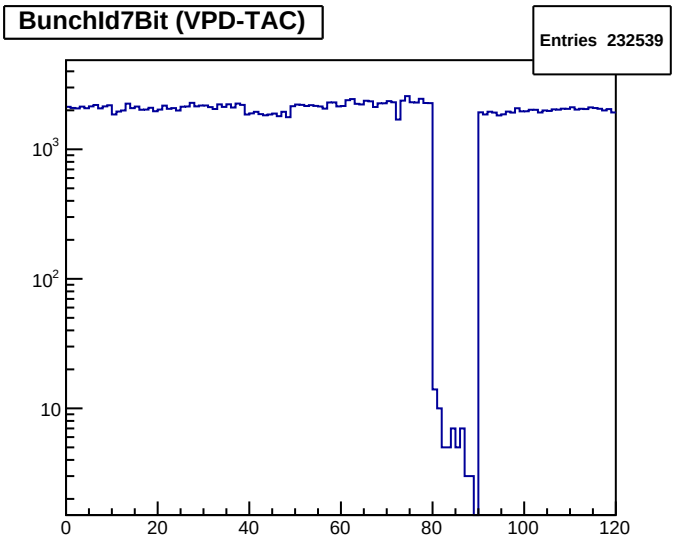
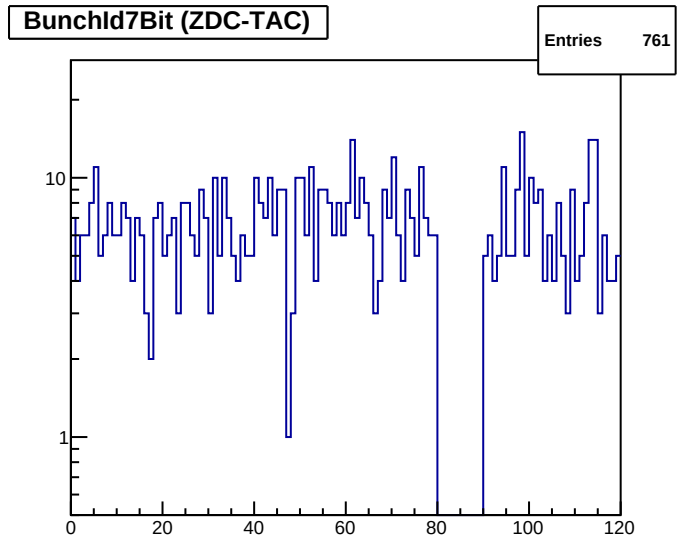
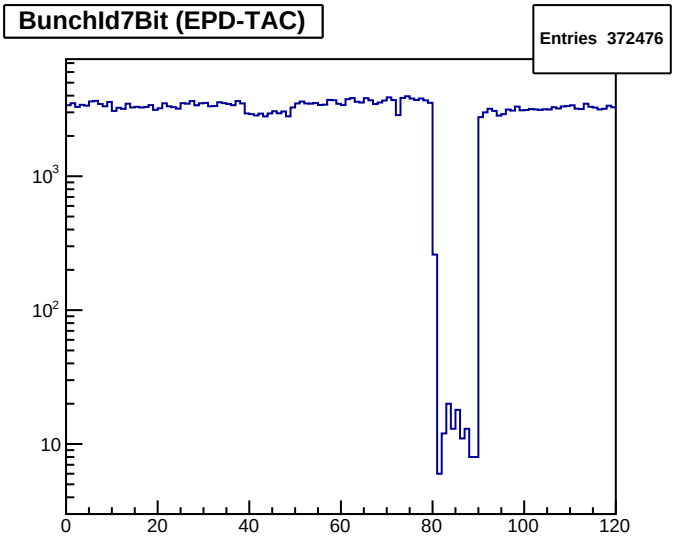
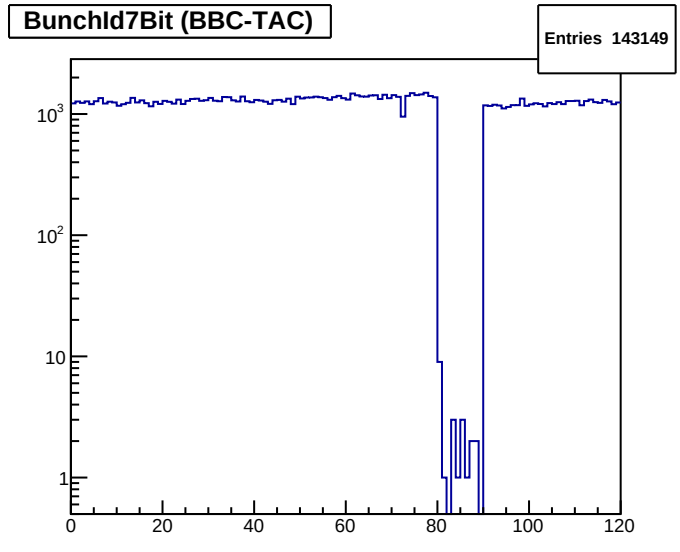
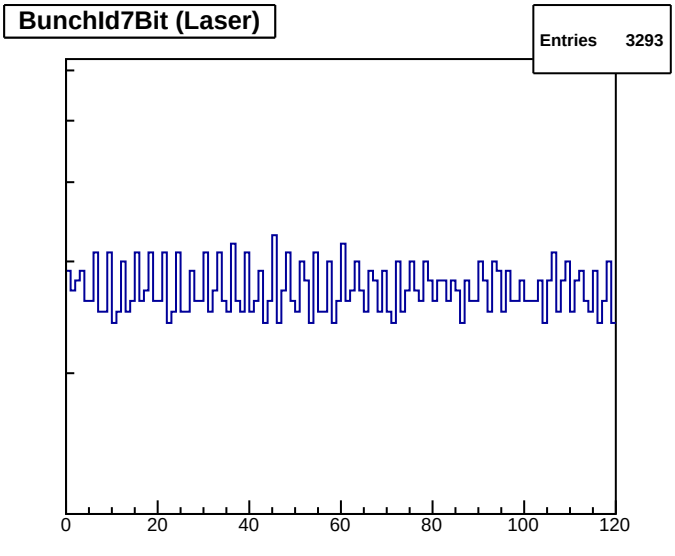
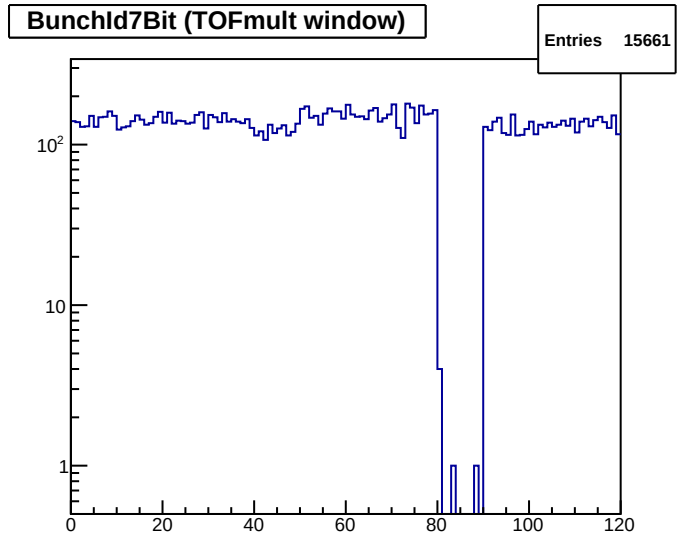

BunchId7Bit (VPD-TAC)
Entries 232539
10^3
10^2
10
0 20 40 60 80 100 120

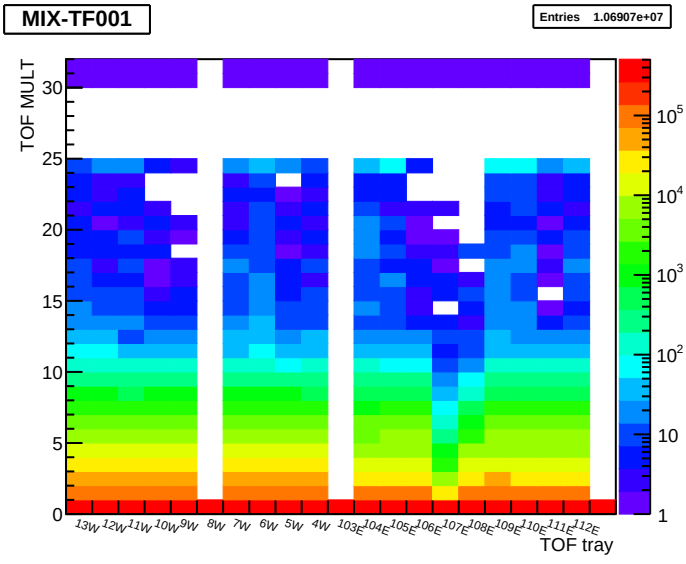

BunchId7Bit (ZDC-TAC)
Entries 761
10
1
0 20 40 60 80 100 120

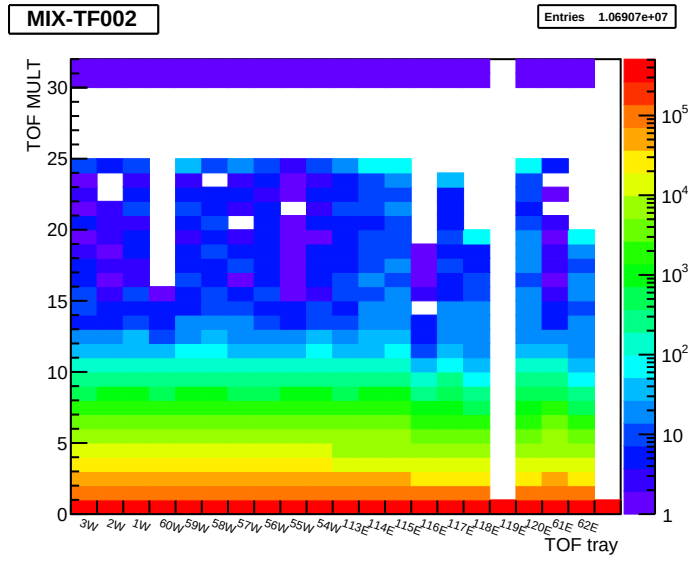

BunchId7Bit (EPD-TAC)
Entries 372476
10^3
10^2
10
0 20 40 60 80 100 120

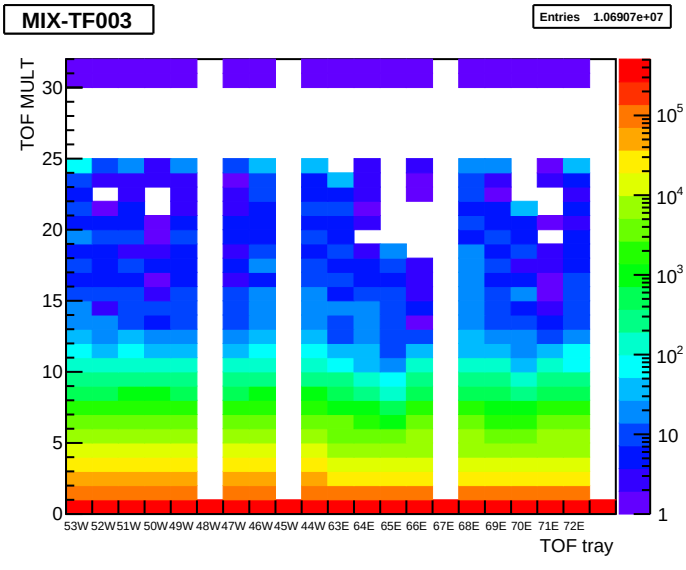

BunchId7Bit (BBC-TAC)
Entries 143149
10^3
10^2
10
1
0 20 40 60 80 100 120

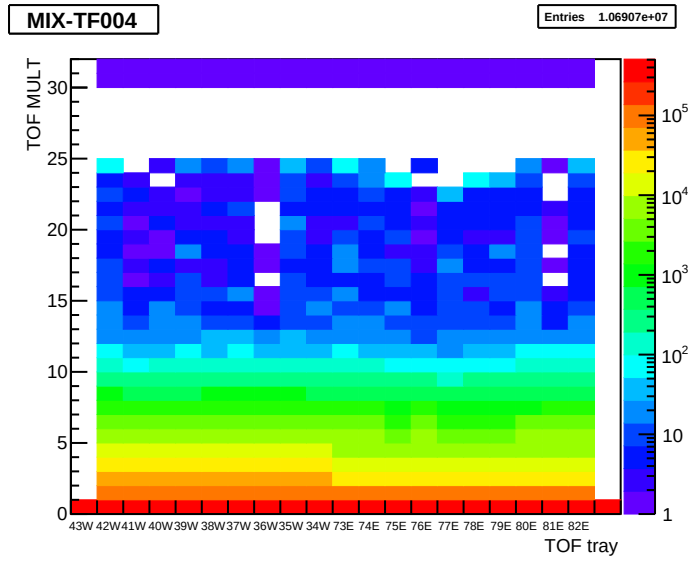

BunchId7Bit (Laser)
Entries 3293
0 20 40 60 80 100 120

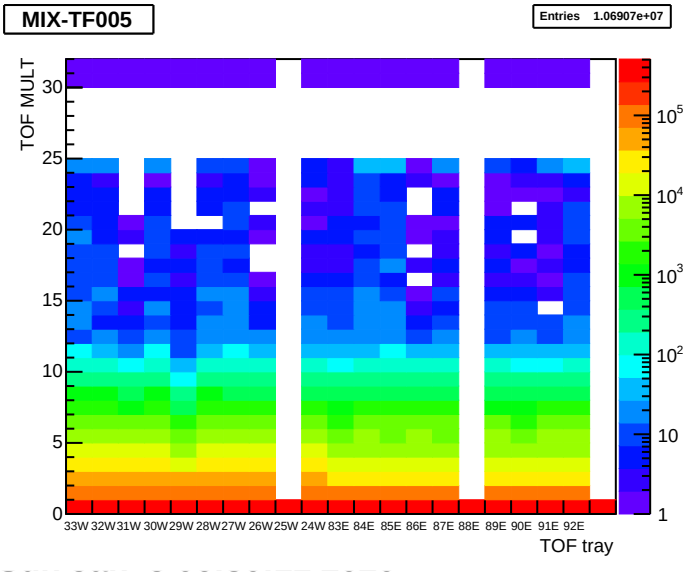

BunchId7Bit (TOFmult window)
Entries 15661
10^2
10
1
0 20 40 60 80 100 120

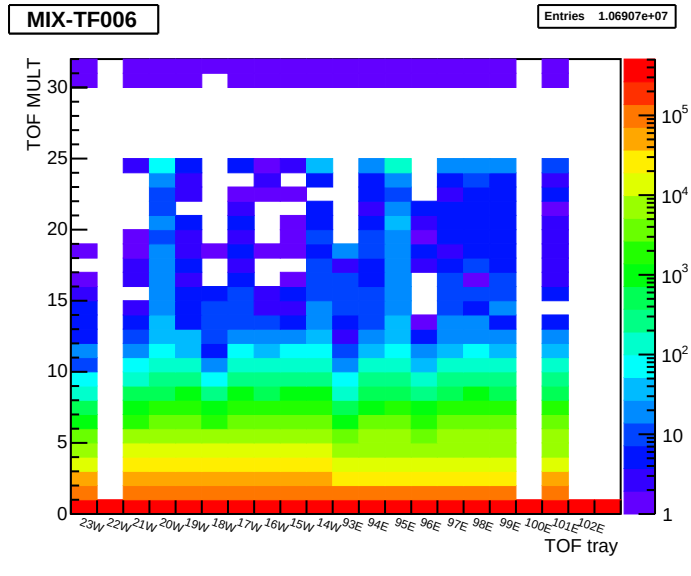

MIX-TF001
Entries 1.06907e+07
TOF MULT
TOF tray

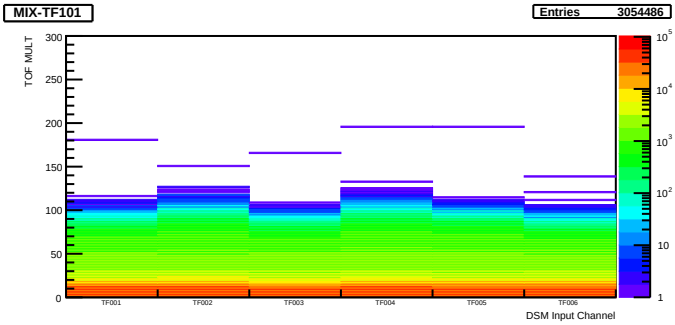

MIX-TF002
Entries 1.06907e+07
TOF MULT
TOF tray

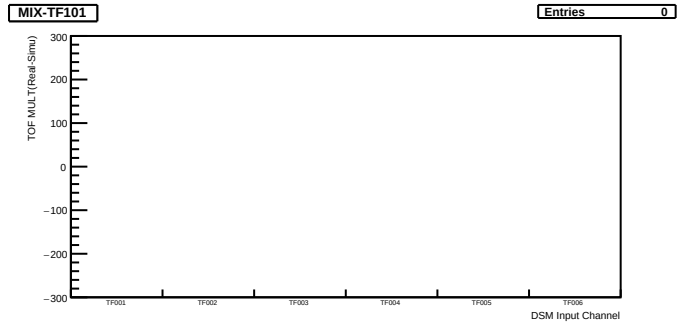

MIX-TF003
Entries 1.06907e+07
TOF MULT
TOF tray

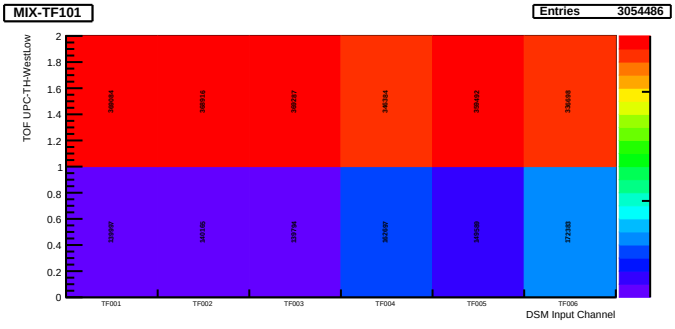

MIX-TF004
Entries 1.06907e+07
TOF MULT
TOF tray

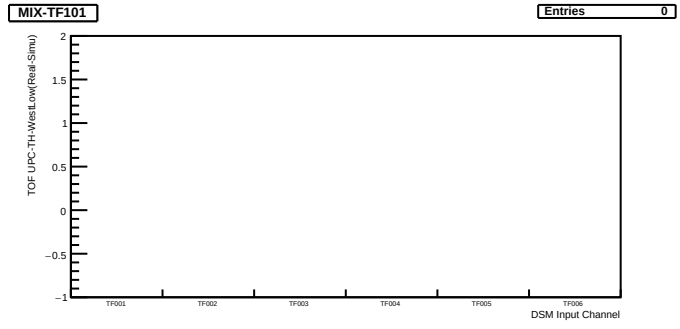

MIX-TF005
Entries 1.06907e+07
TOF MULT
TOF tray

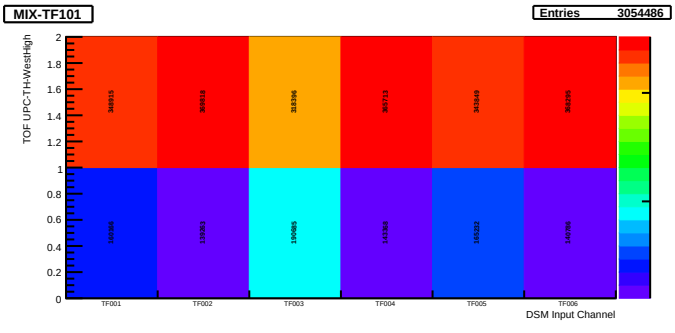

MIX-TF006
Entries 1.06907e+07
TOF MULT
TOF tray

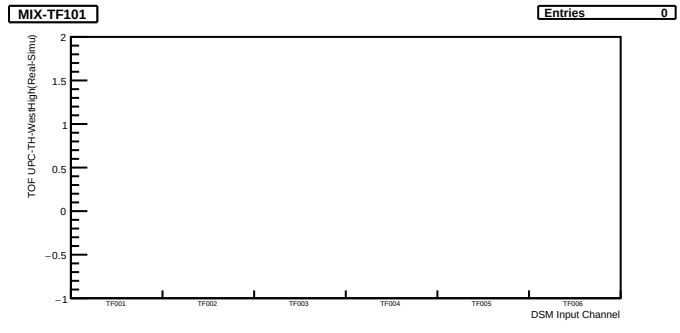

MIX-TF101
Entries 3054486
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

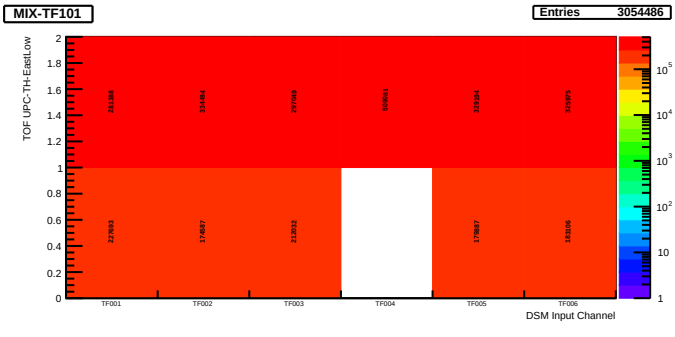

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

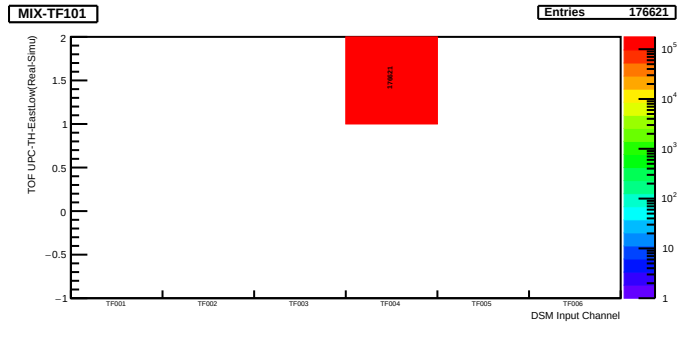

MIX-TF101
Entries 3054486
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

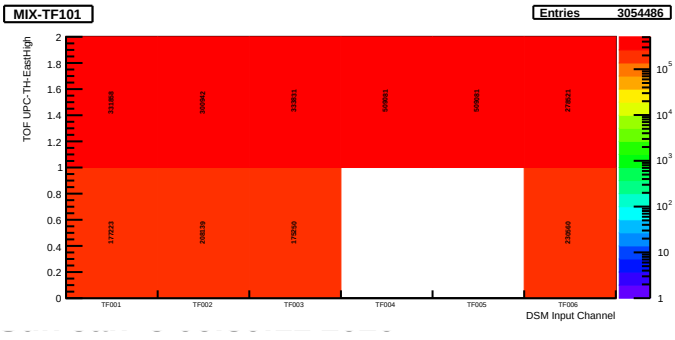

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

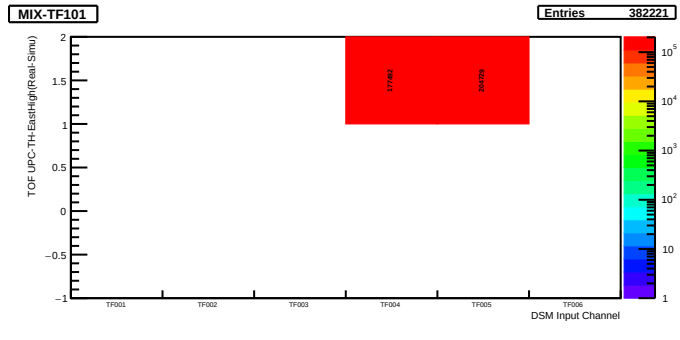

MIX-TF101
Entries 3054486
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

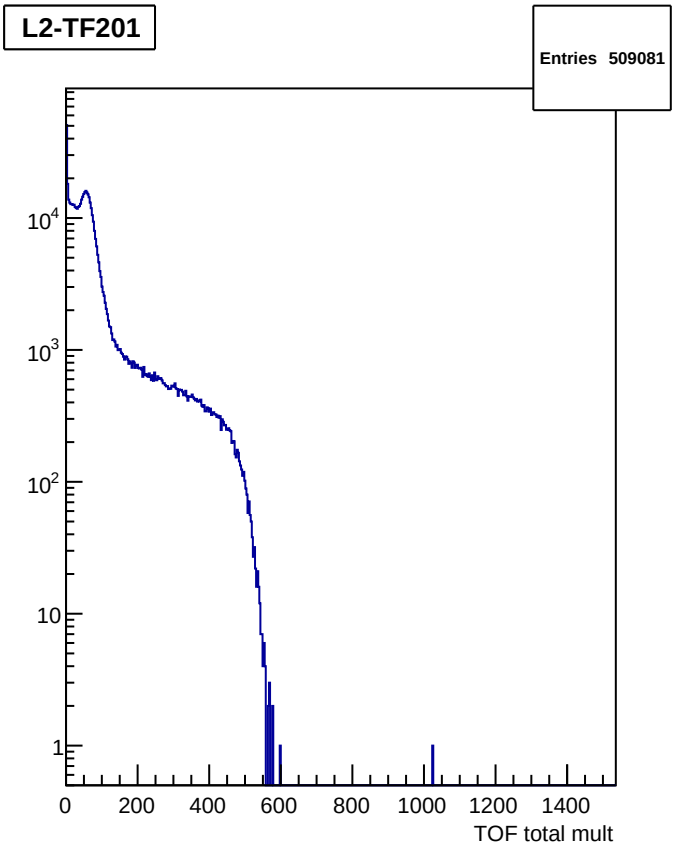

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

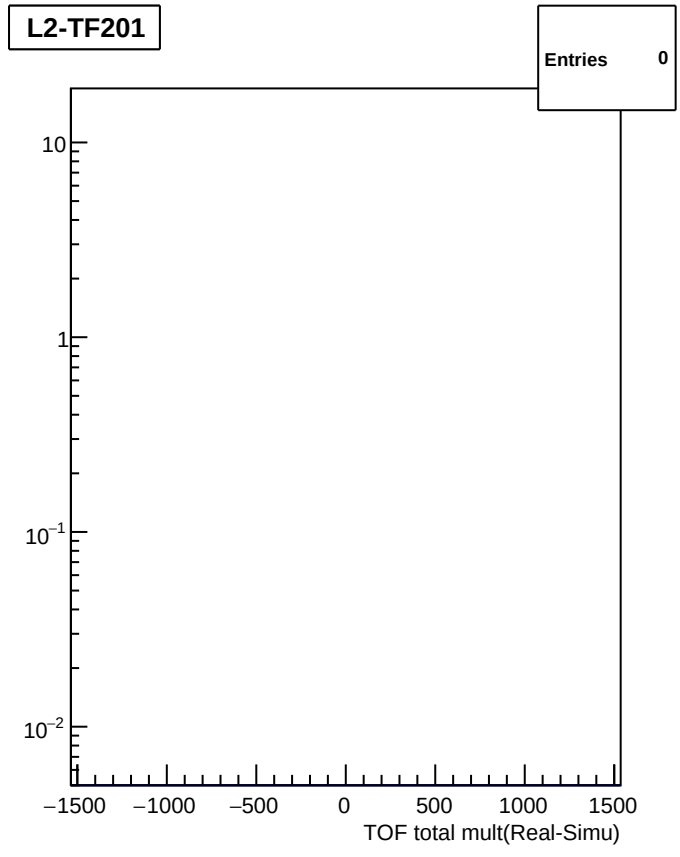

MIX-TF101
Entries 3054486
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

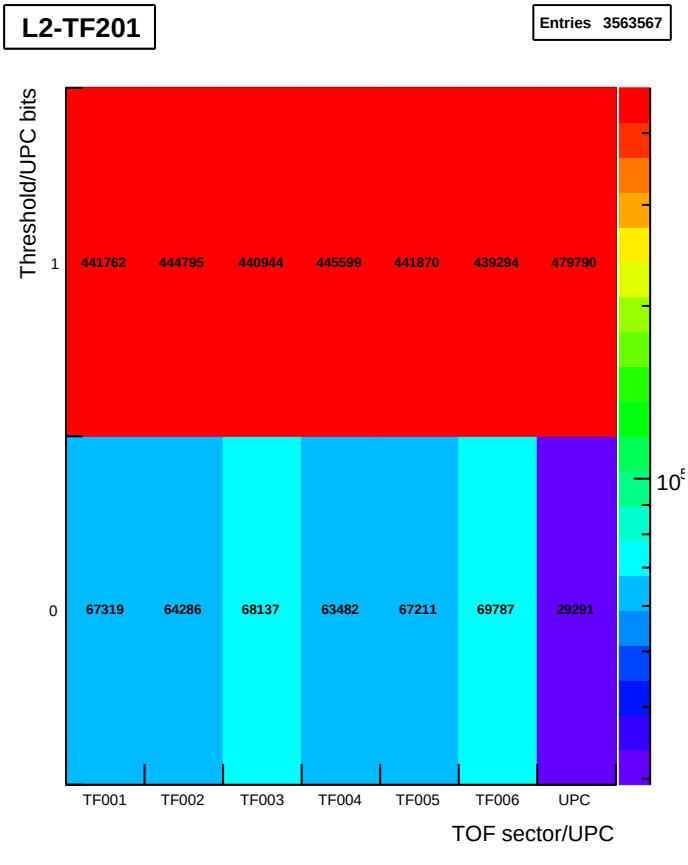

MIX-TF101
Entries 176621
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

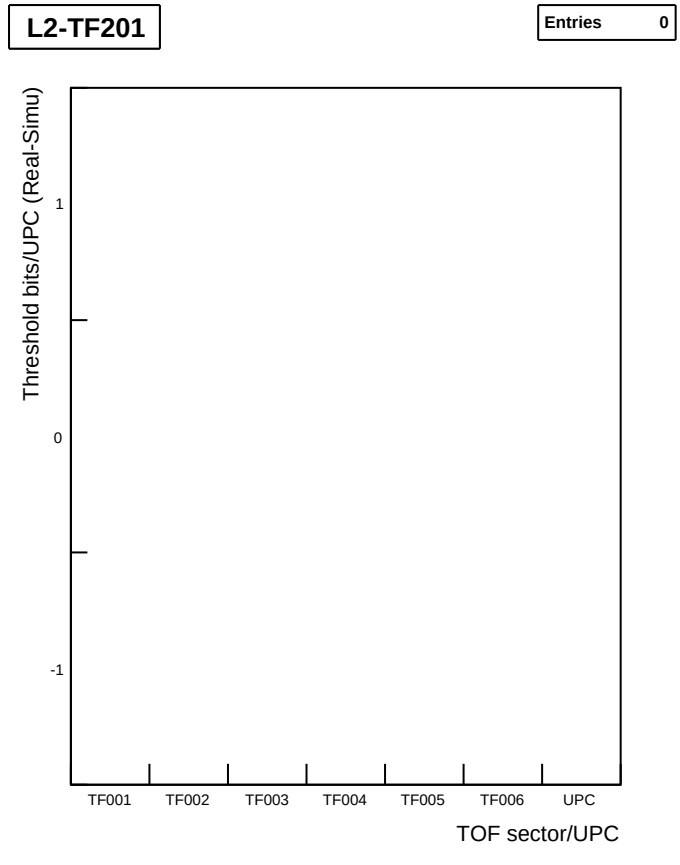

MIX-TF101
Entries 3054486
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

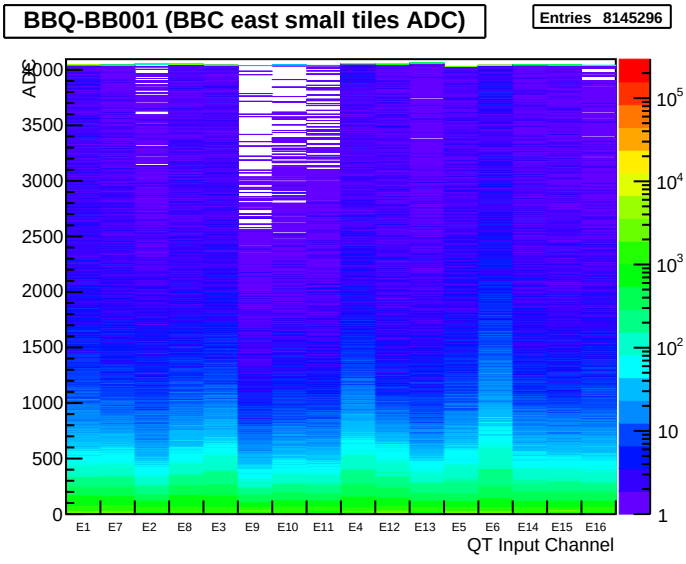

MIX-TF101
Entries 382221
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

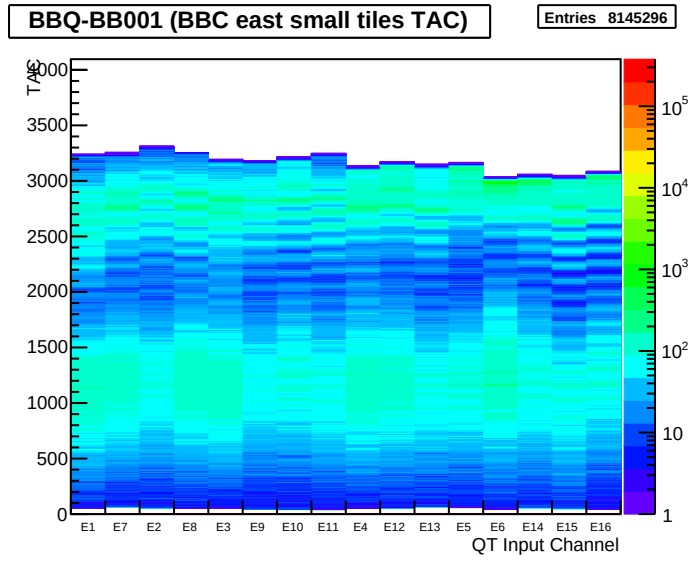

L2-TF201
Entries 509081
TOF total mult

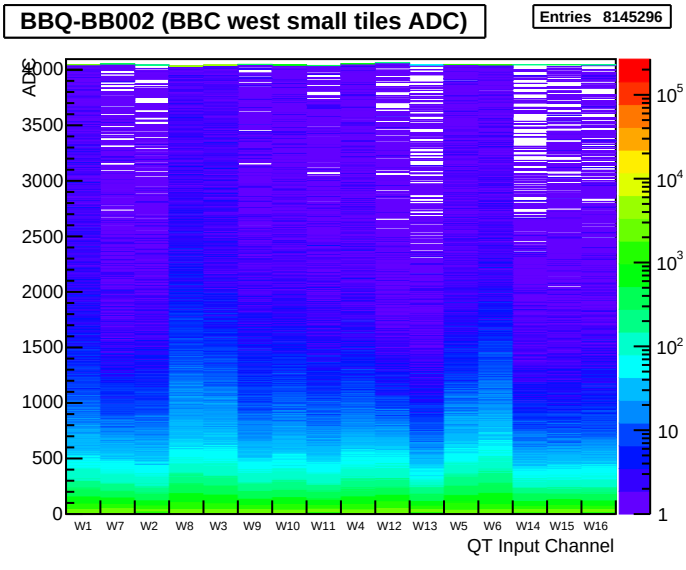

L2-TF201
Entries 0
TOF total mult(Real-Simu)

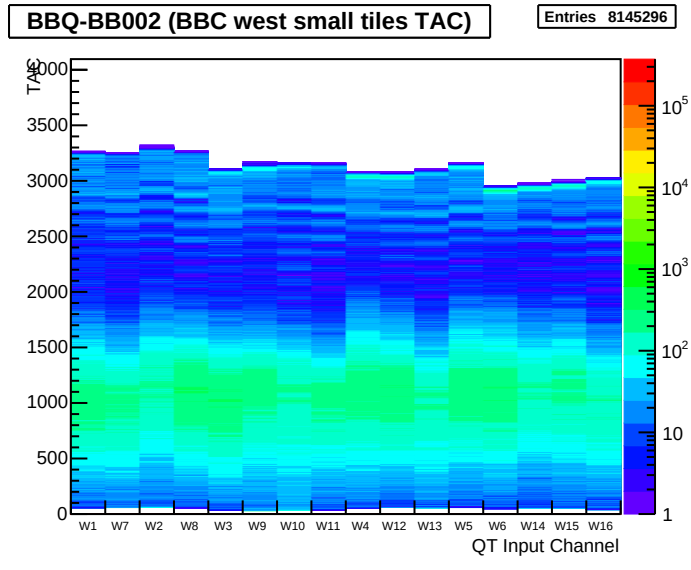

L2-TF201
Entries 3563567
Threshold/UPC bits
441762 444795 440944 445599 441870 439294 479790
67319 64286 68137 63482 67211 69787 29291
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

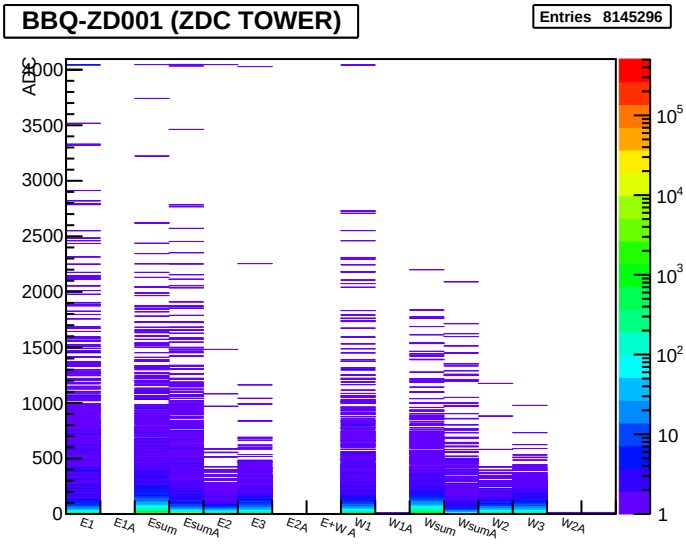

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

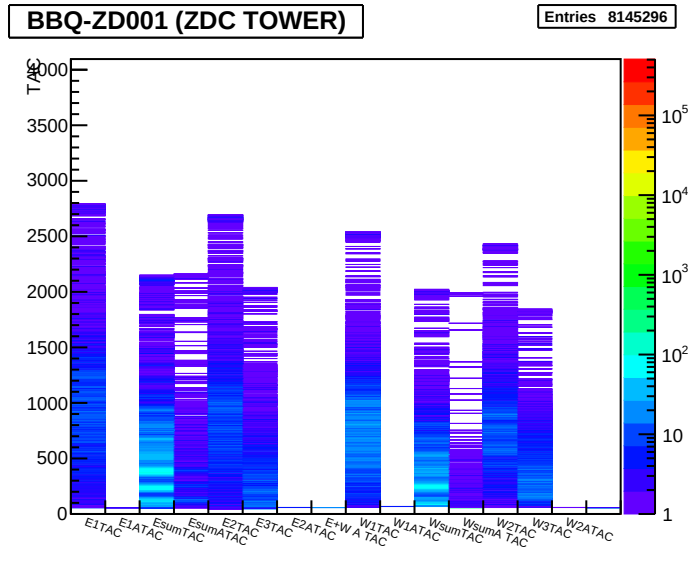

BBQ-BB001 (BBC east small tiles ADC)
Entries 8145296
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

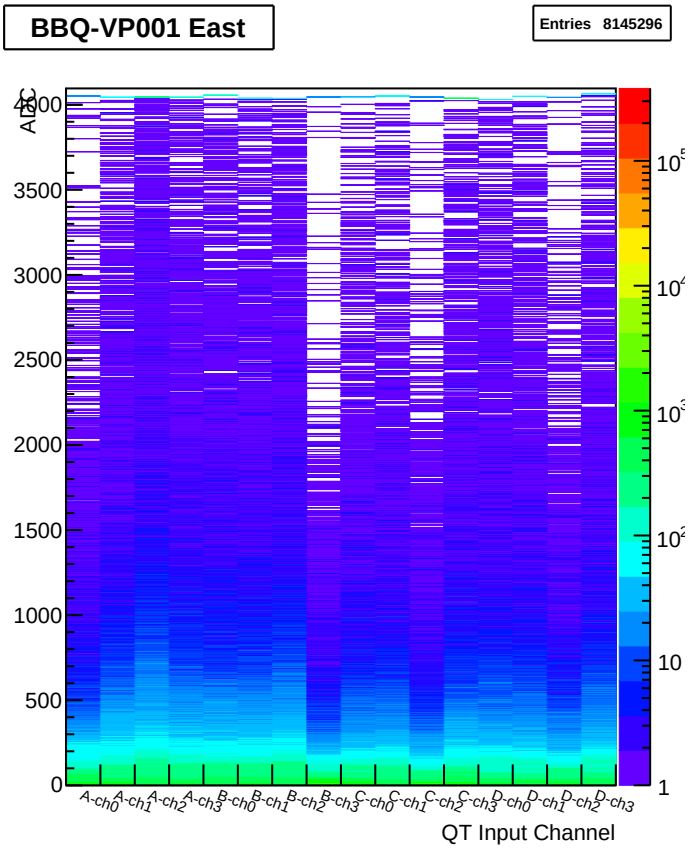

BBQ-BB001 (BBC east small tiles TAC)
Entries 8145296
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

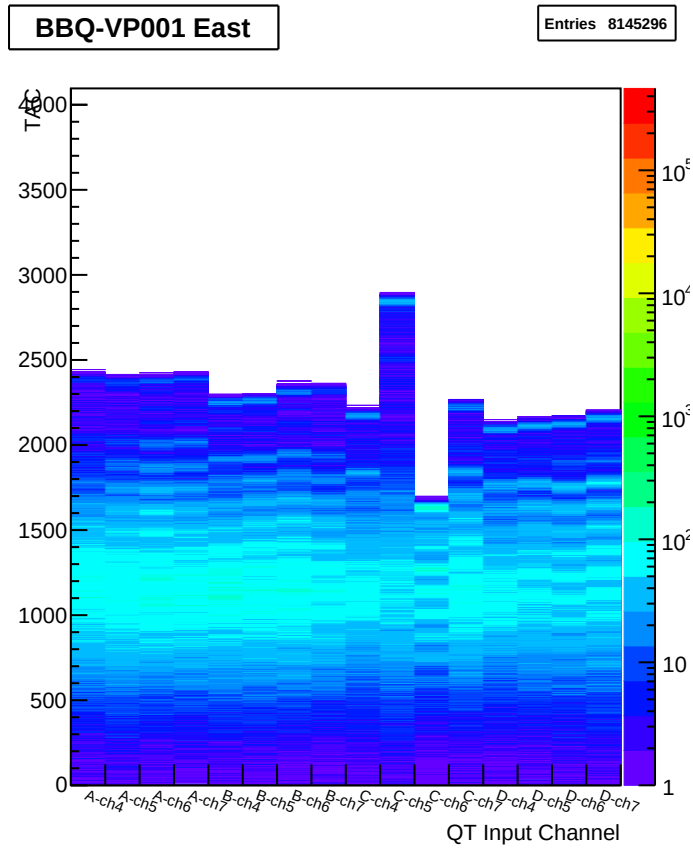

BBQ-BB002 (BBC west small tiles ADC)
Entries 8145296
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

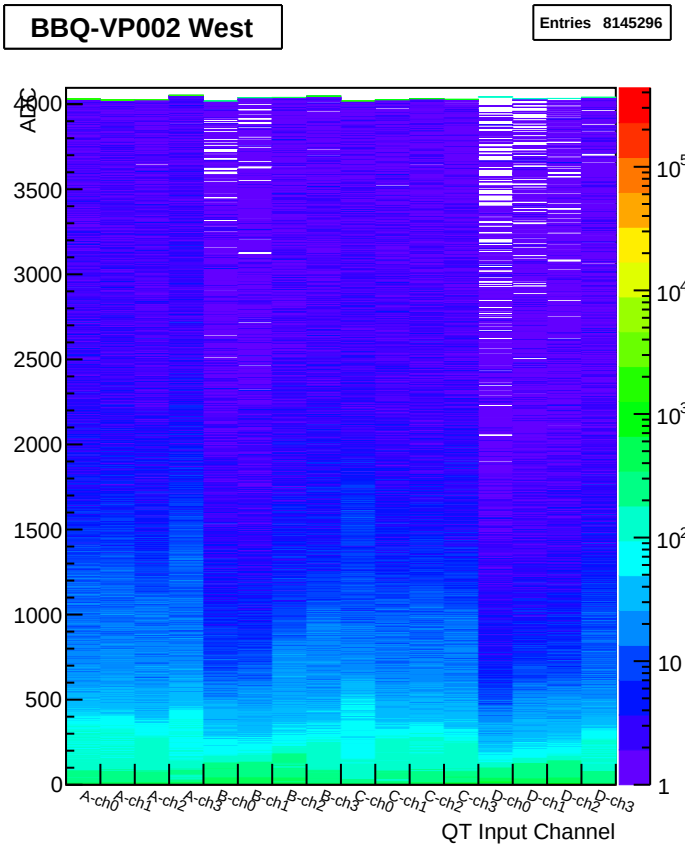

BBQ-BB002 (BBC west small tiles TAC)
Entries 8145296
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

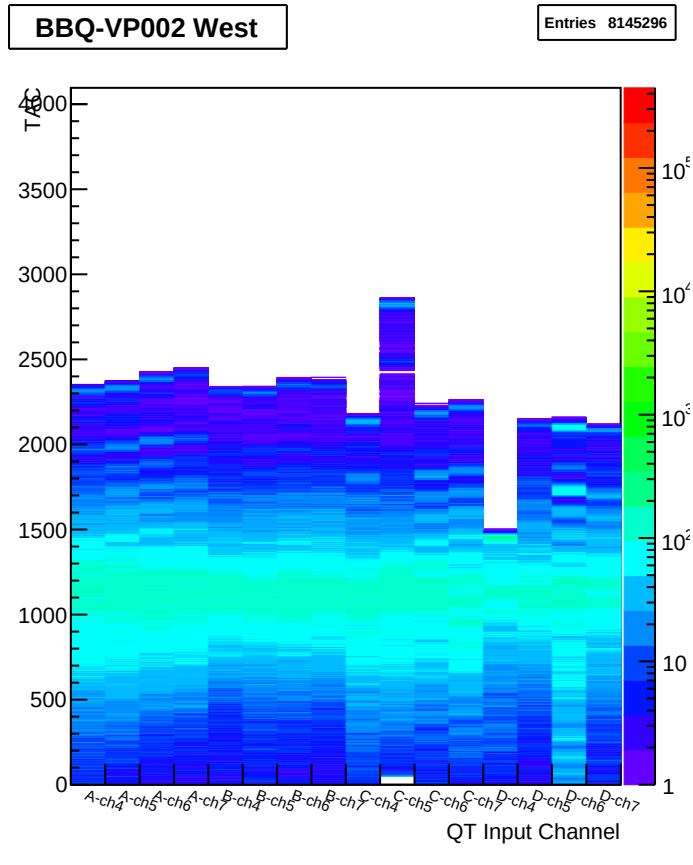

BBQ-ZD001 (ZDC TOWER)
Entries 8145296
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

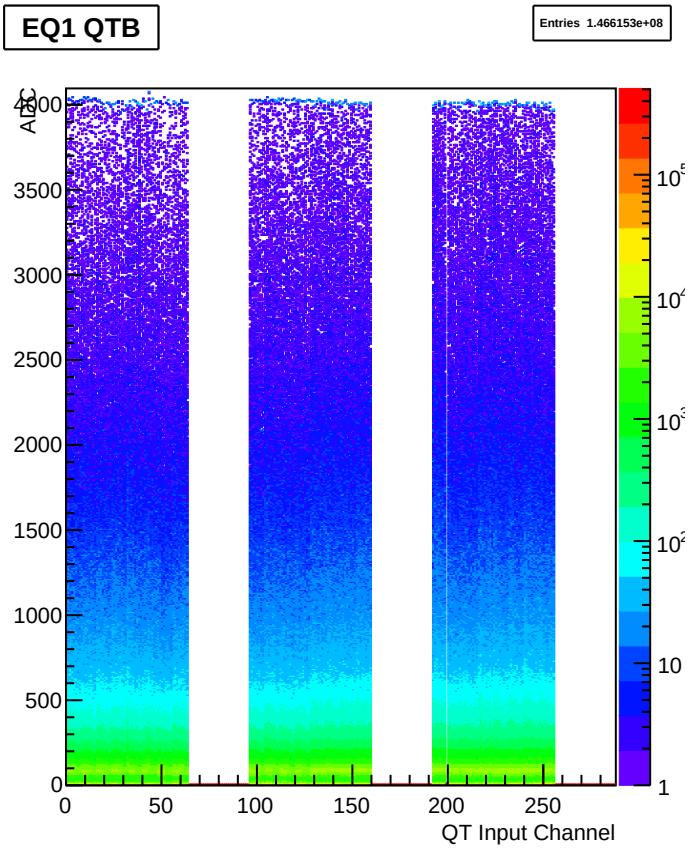

BBQ-ZD001 (ZDC TOWER)
Entries 8145296
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

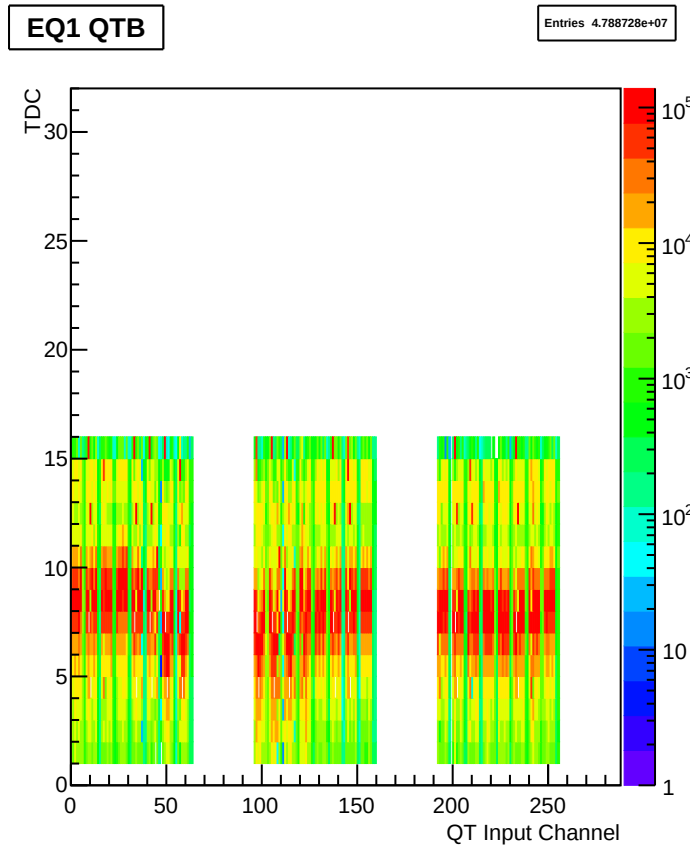

BBQ-VP001 East
Entries 8145296
ADC
QT Input Channel

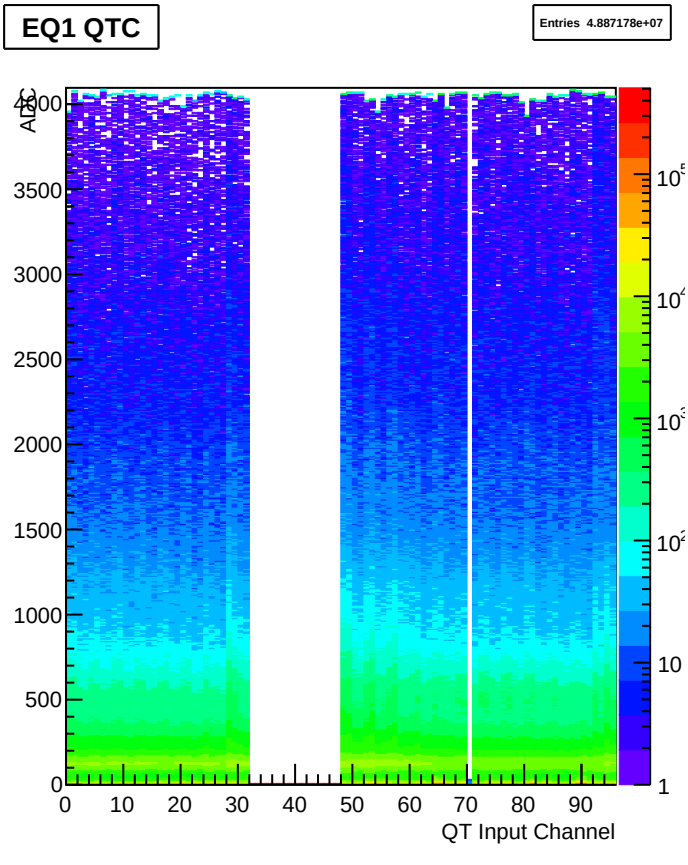

BBQ-VP001 East
Entries 8145296
ADC
QT Input Channel

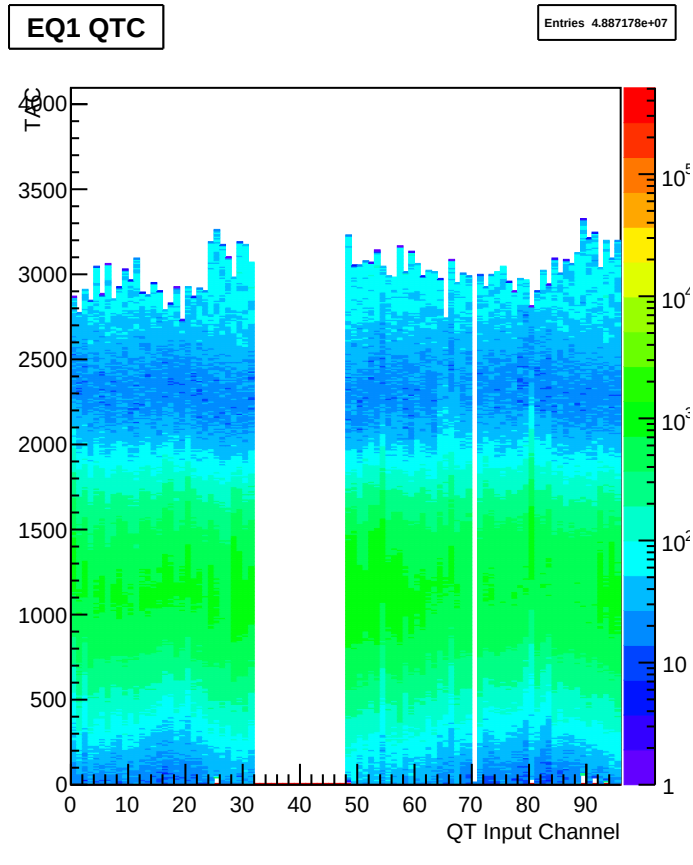

BBQ-VP002 West
Entries 8145296
ADC
QT Input Channel

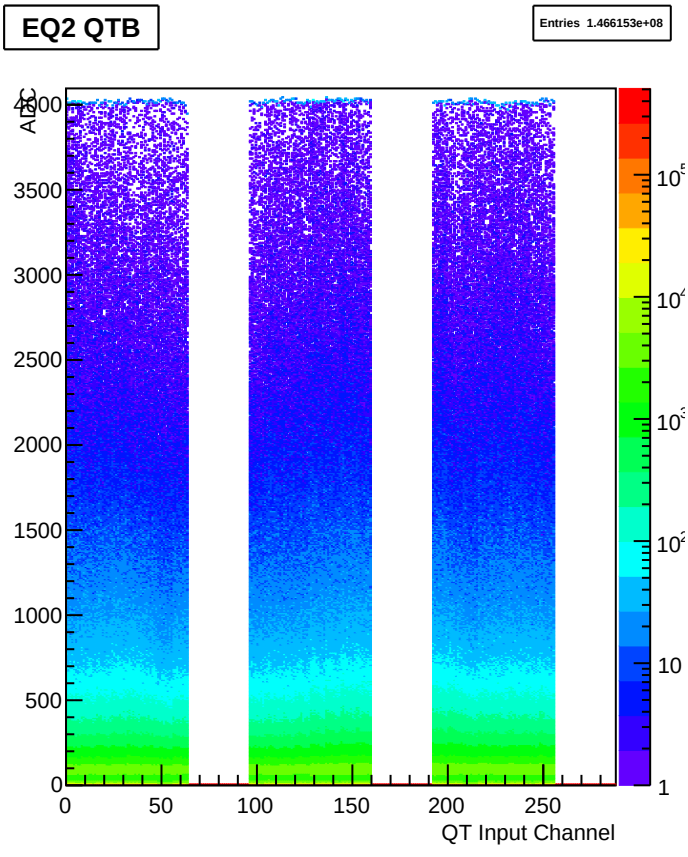

BBQ-VP002 West
Entries 8145296
ADC
QT Input Channel

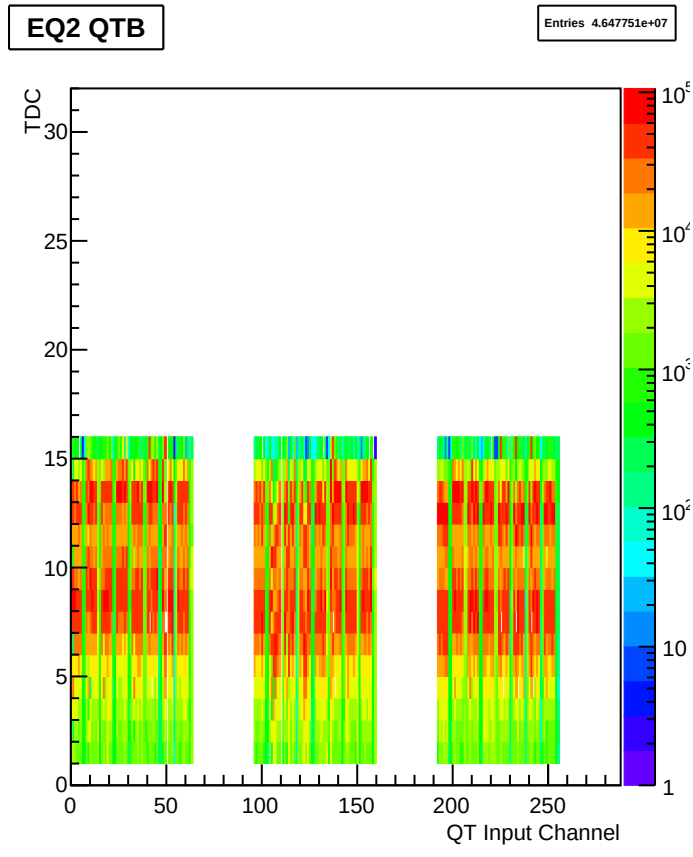

EQ1 QTB
Entries 1.466153e+08
ADC
QT Input Channel

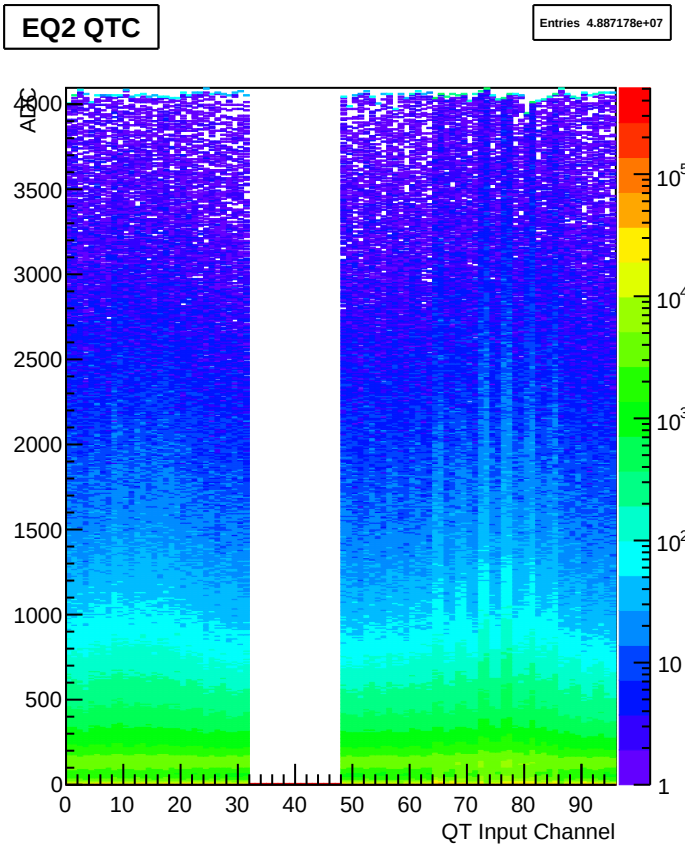

EQ1 QTB
Entries 4.788728e+07
TDC
QT Input Channel

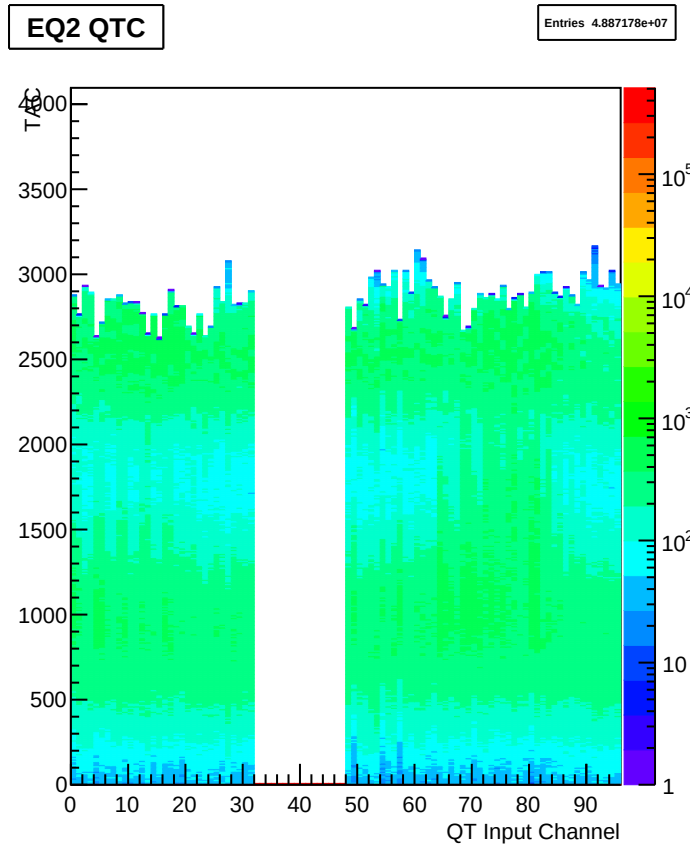

EQ1 QTC
Entries 4.887178e+07
ADC
QT Input Channel

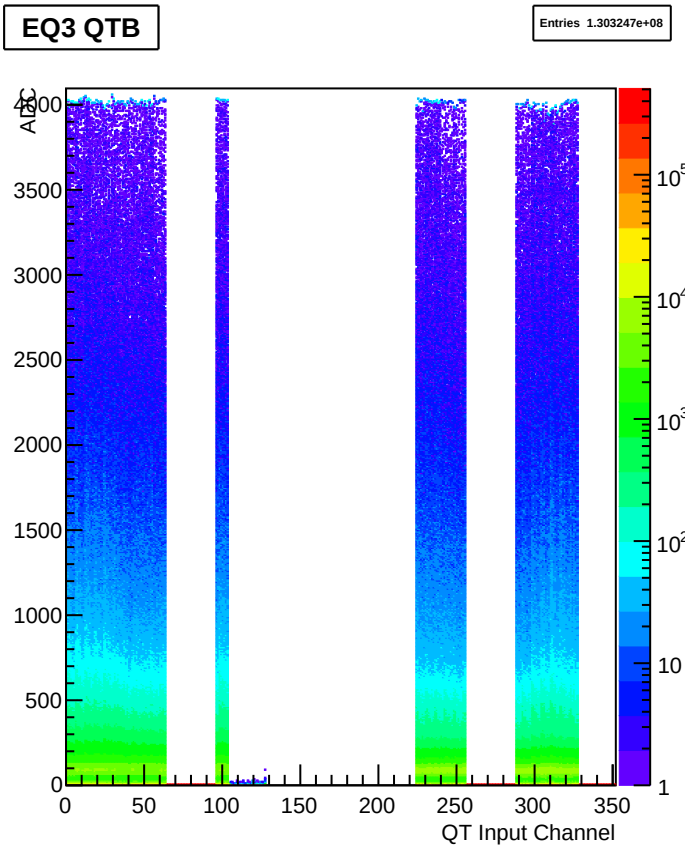

EQ1 QTC
Entries 4.887178e+07
TADC
QT Input Channel

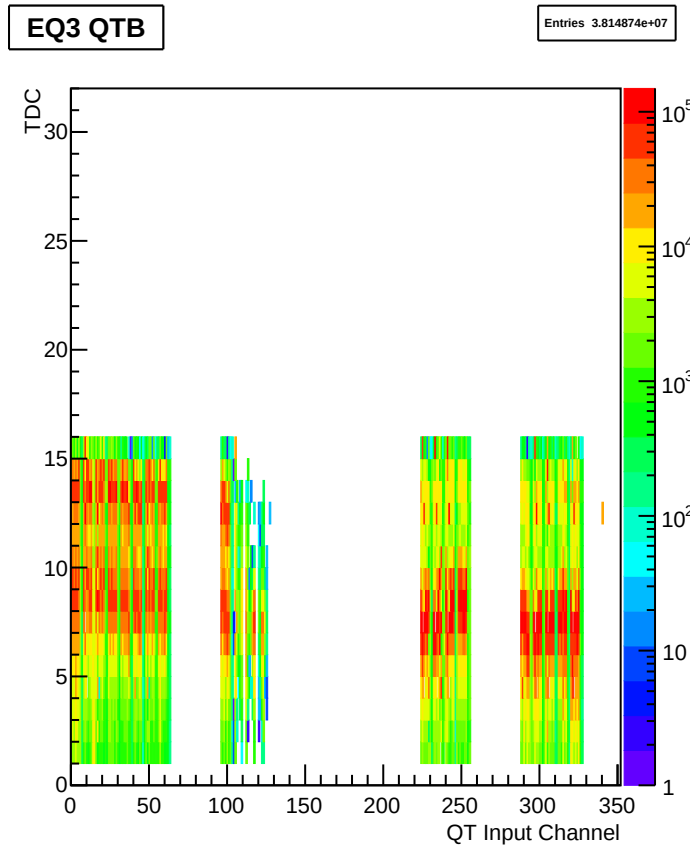

EQ2 QTB
Entries 1.466153e+08
ADC
QT Input Channel

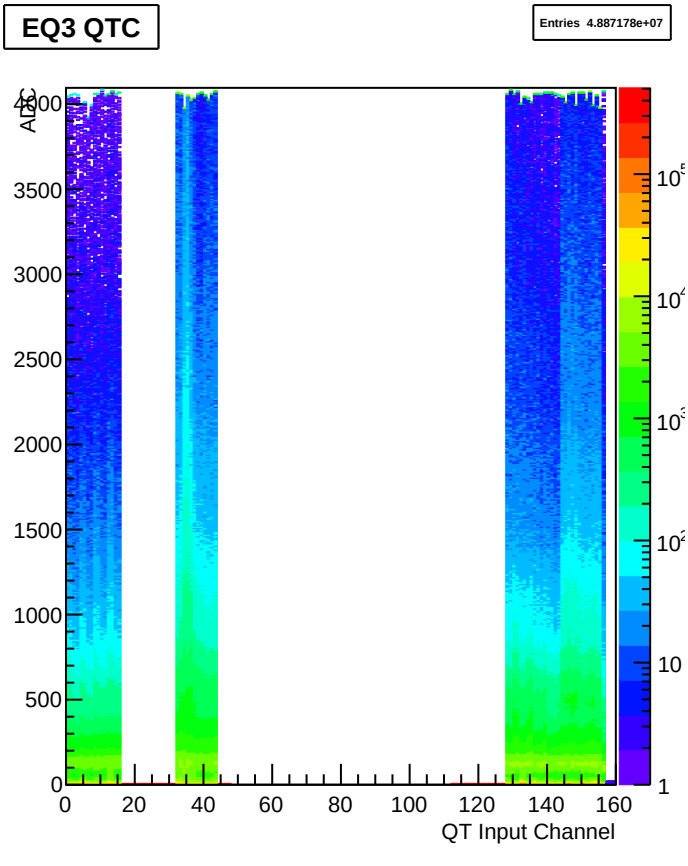

EQ2 QTB
Entries 4.647751e+07
TDC
QT Input Channel

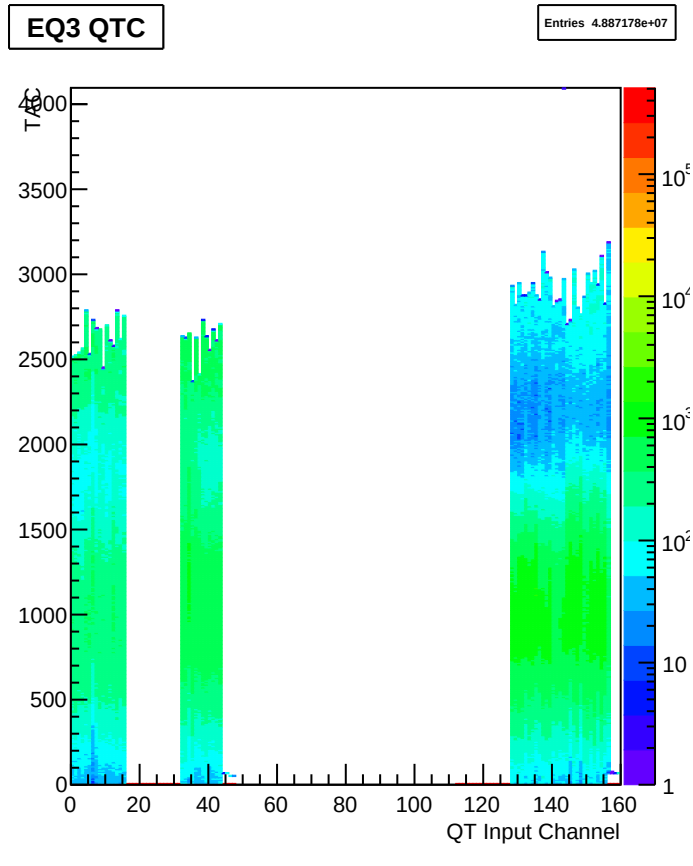

EQ2 QTC
Entries 4.887178e+07
ADC
QT Input Channel

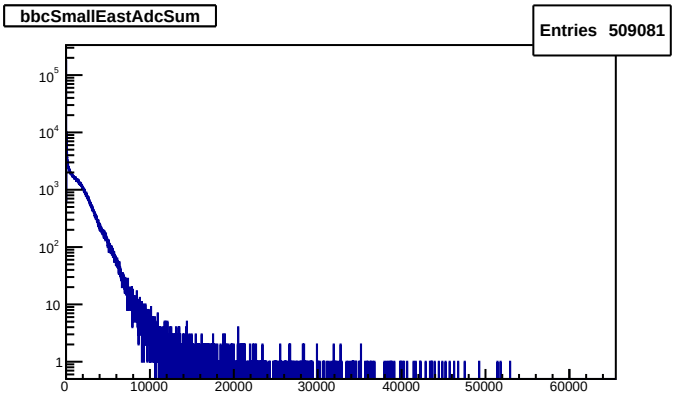

EQ2 QTC
Entries 4.887178e+07
TADC
QT Input Channel

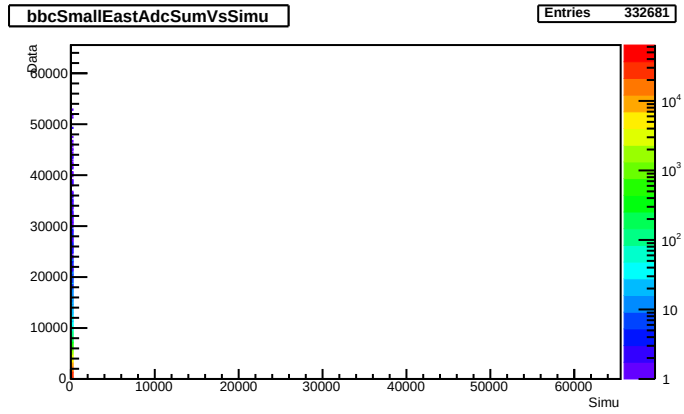

EQ3 QTB
Entries 1.303247e+08
ADC
QT Input Channel

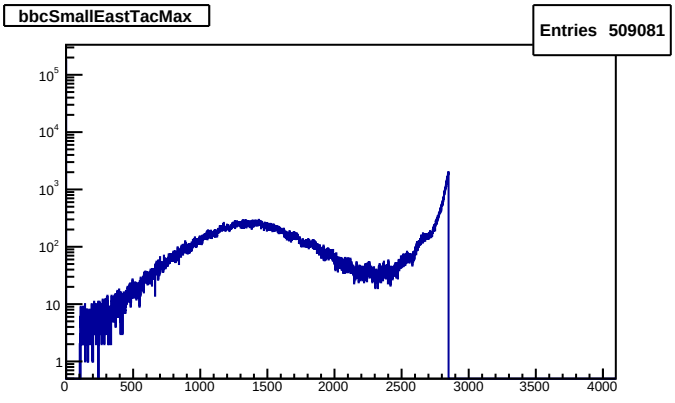

EQ3 QTB
Entries 3.814874e+07
TDC
QT Input Channel

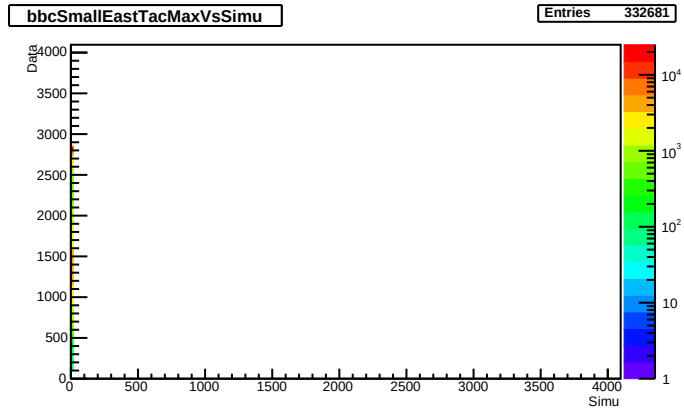

EQ3 QTC
Entries 4.887178e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.887178e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 509081


bbcSmallEastAdcSumVsSimu
Entries 332681
Data
Simu


bbcSmallEastTacMax
Entries 509081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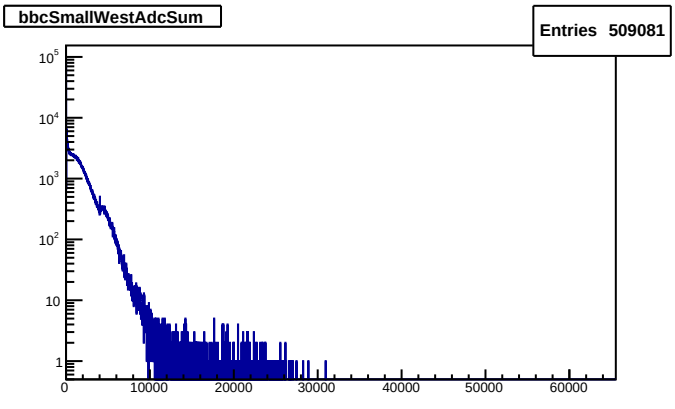
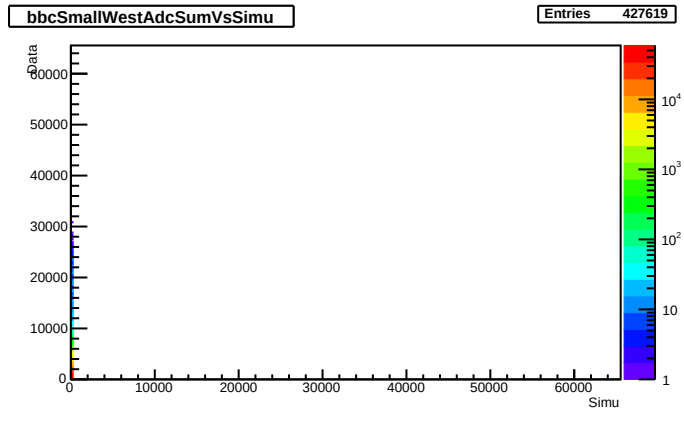
Entries 332681
Data
Simu


bbcSmallWestAdcSum
Entries 509081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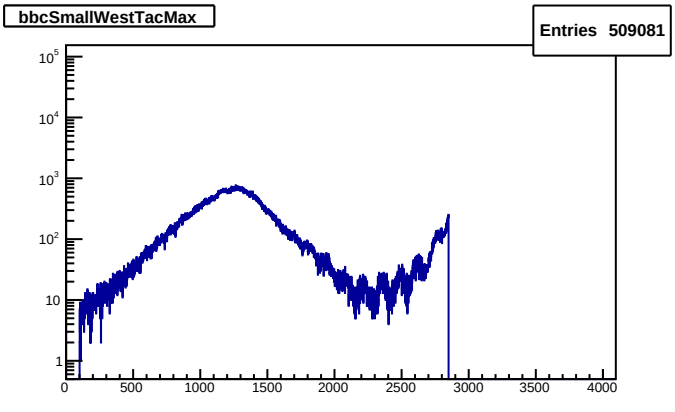
Entries 427619
Data
Simu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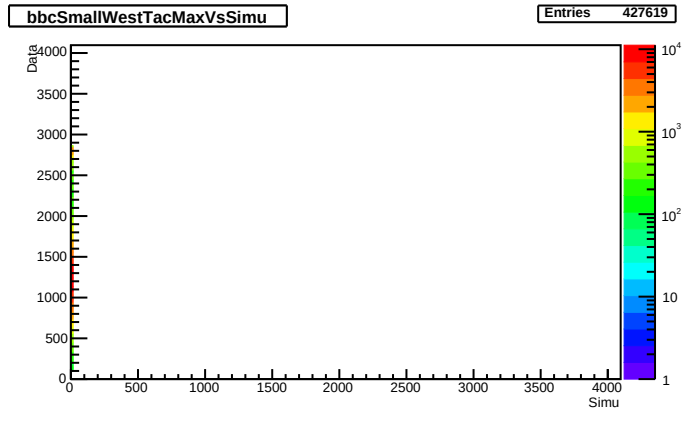
Entries 509081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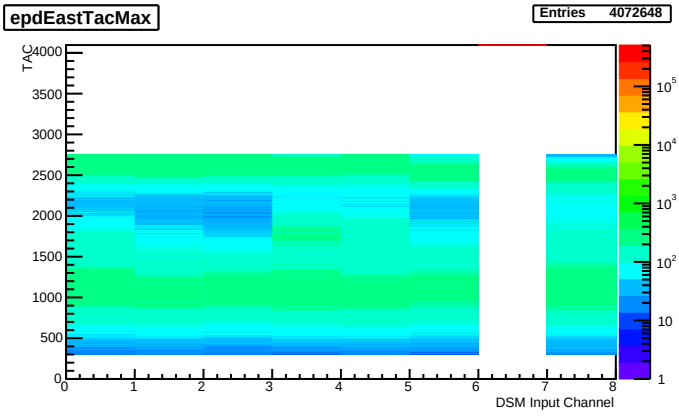
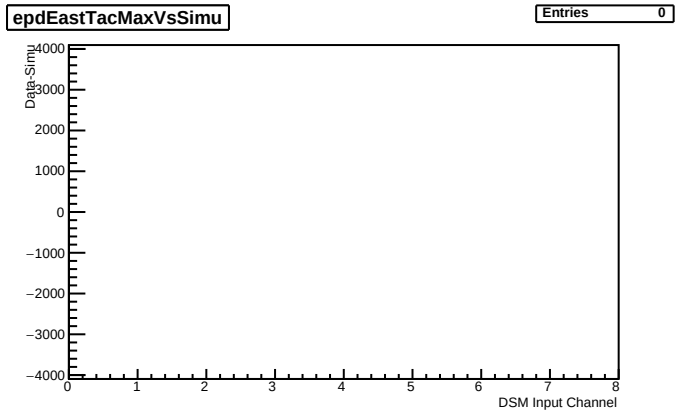
Entries 427619
Data
Simu


epdEastTacMax
Entries 4072648
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
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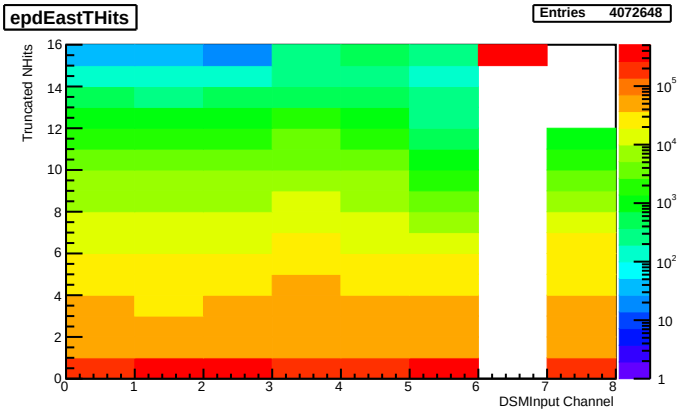
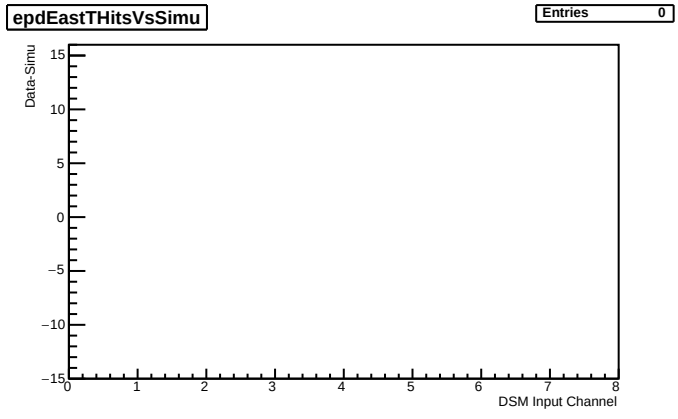

epdEastTHits
Entries 4072648
Truncated NHits
DSMInput Channel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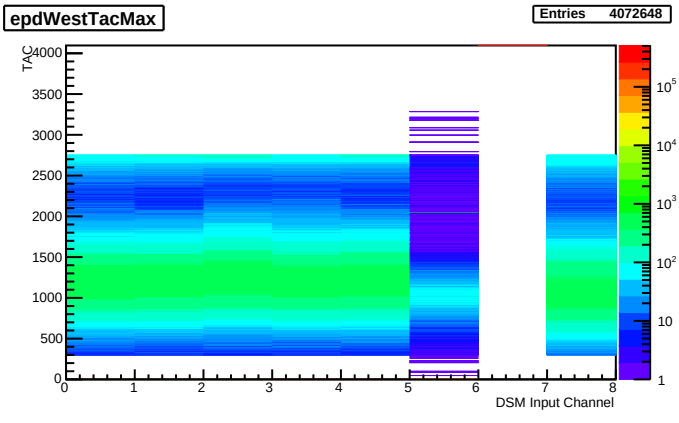
Entries 0
Data-Simu
DSM Input Channel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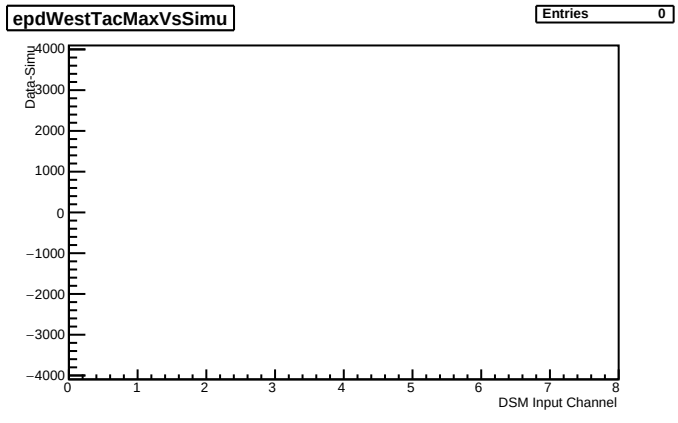
Entries 4072648
TAC
DSM Input Channel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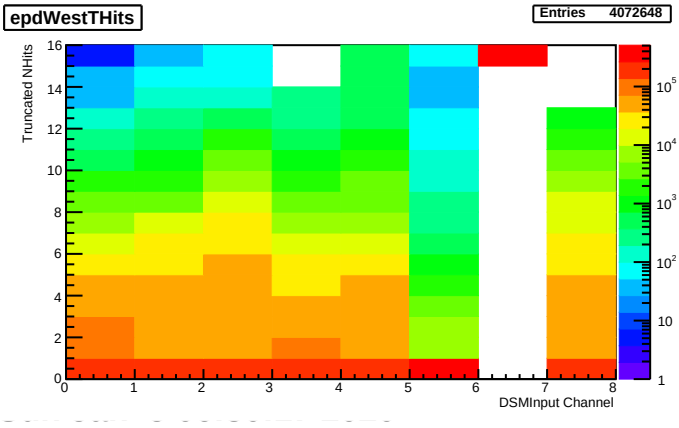
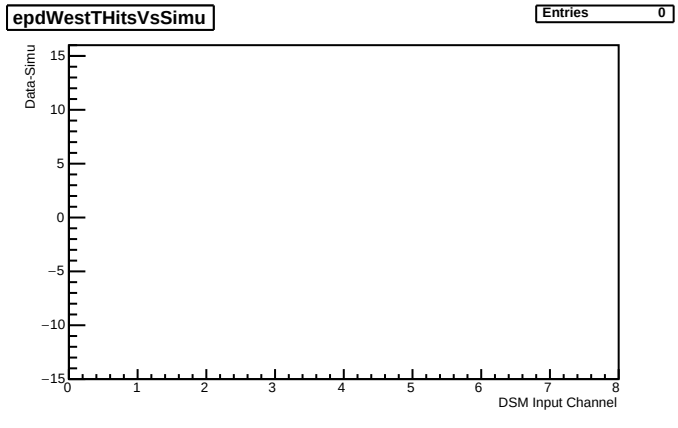
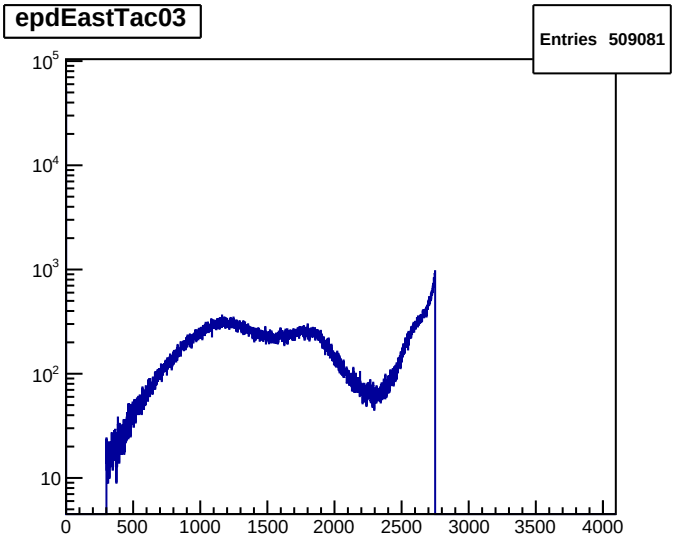
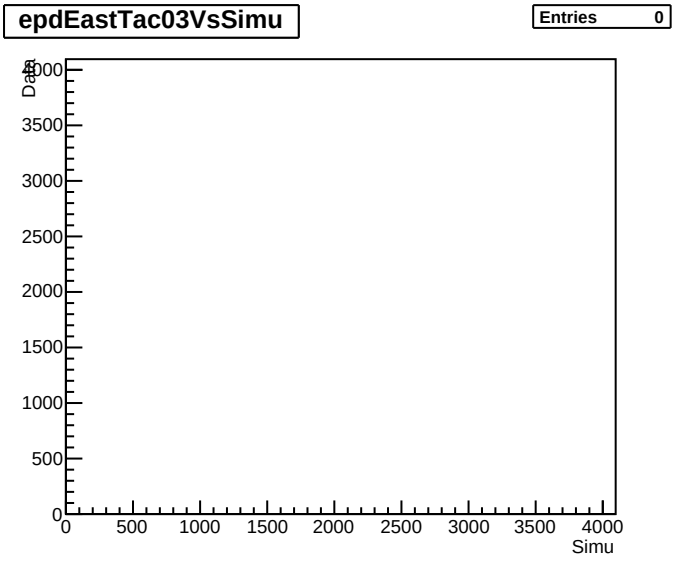
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4072648
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 509081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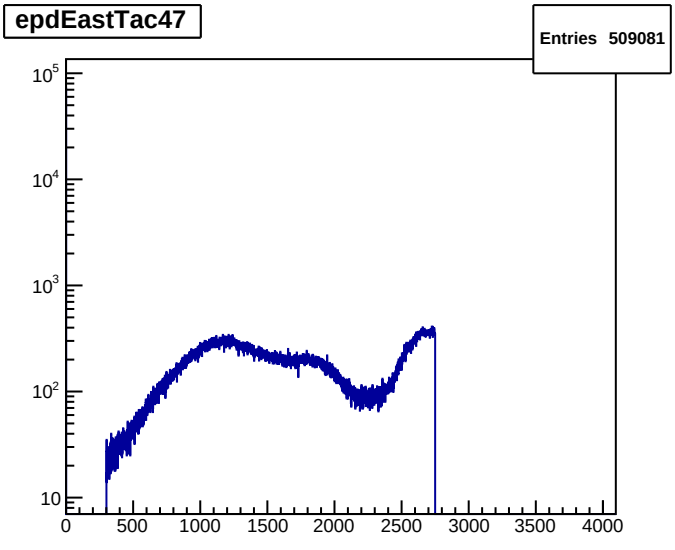
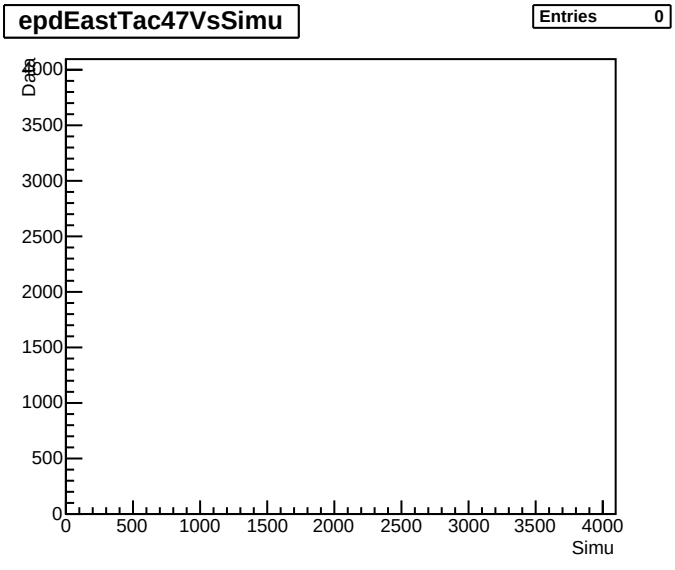
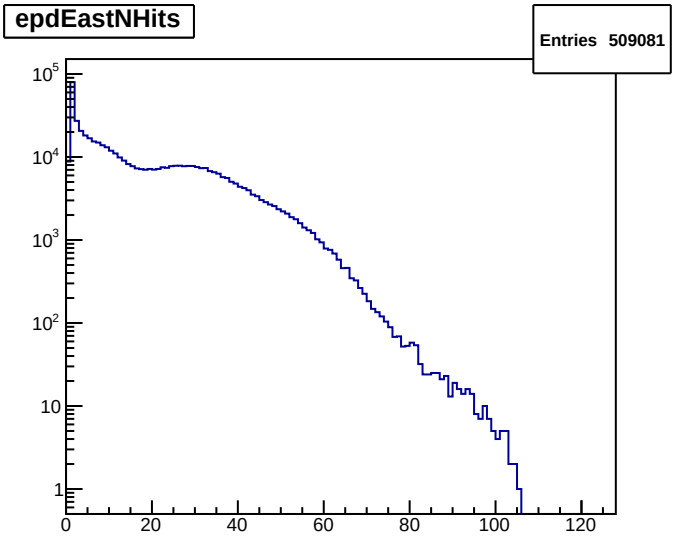
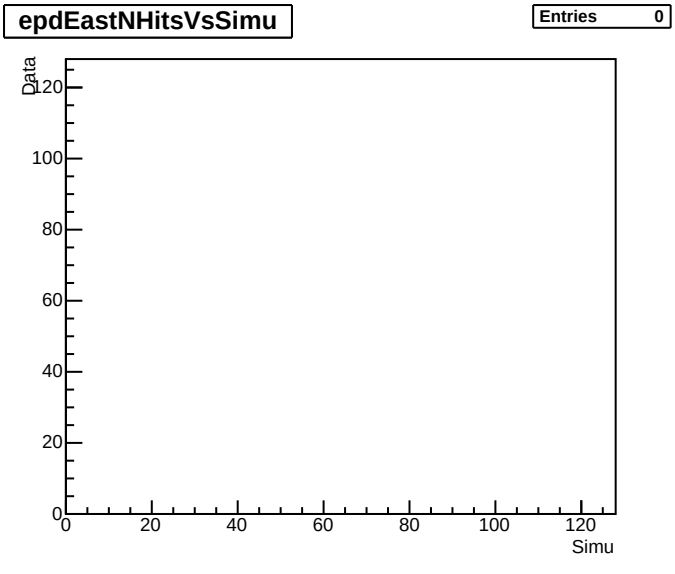
Entries 0
Data
Simu


epdEastTac47
Entries 509081


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 509081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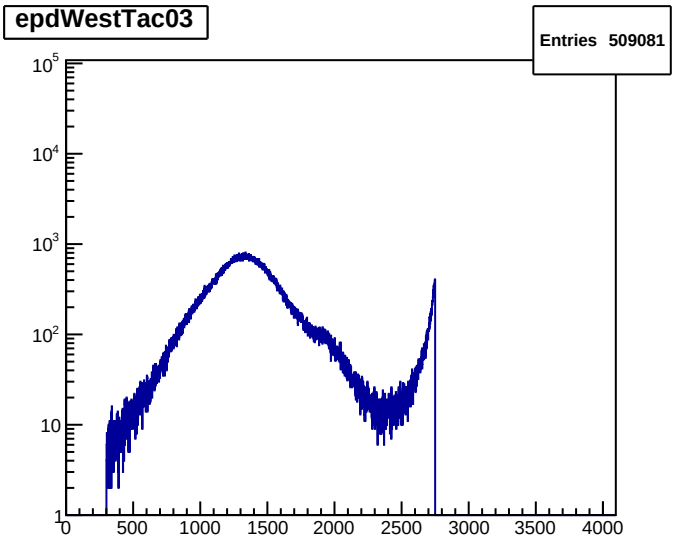
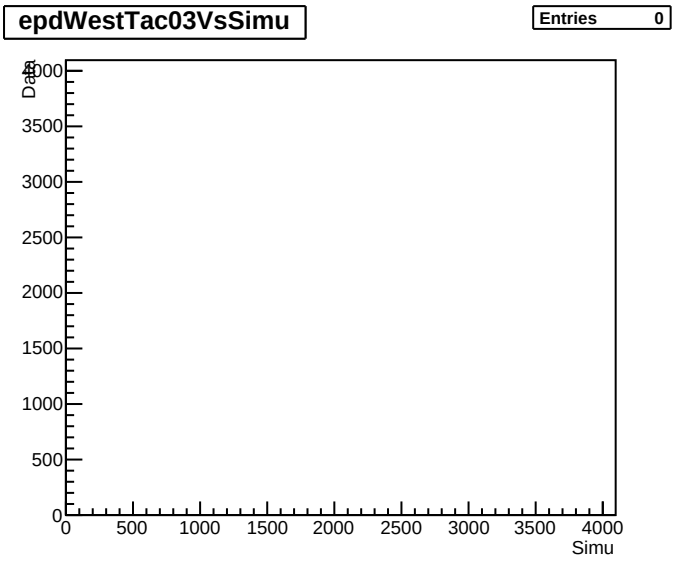
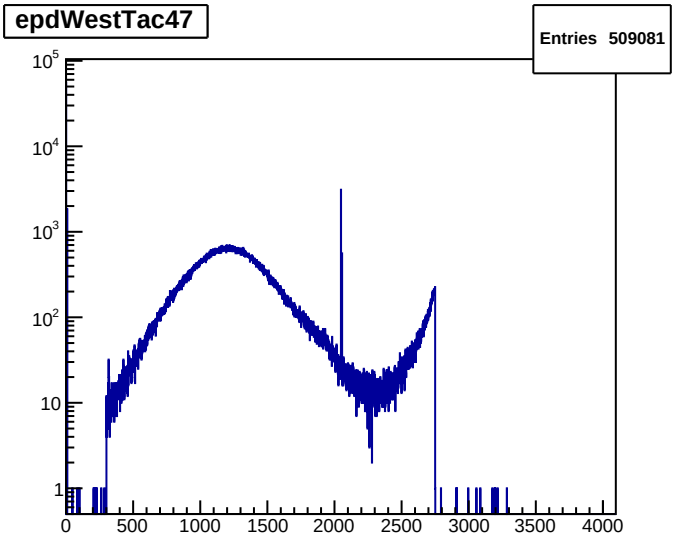
Entries 0
Data
Simu


epdWestTac03
Entries 509081


epdWestTac03VsSimu
Entries 0
Data
Simu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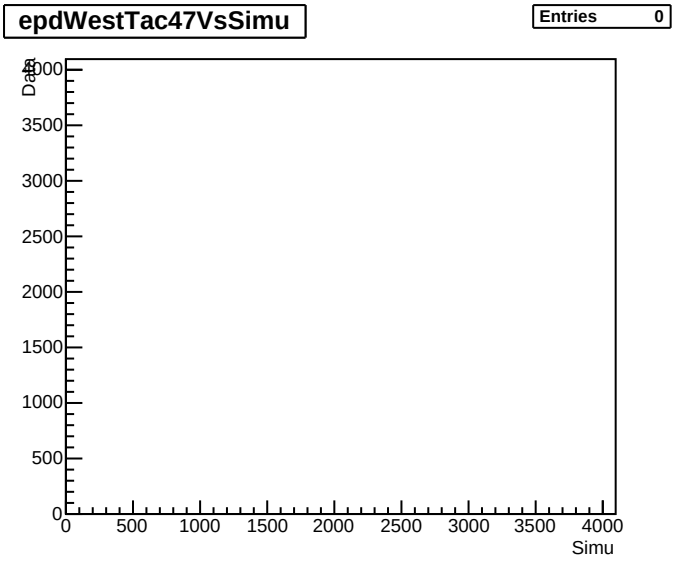
Entries 509081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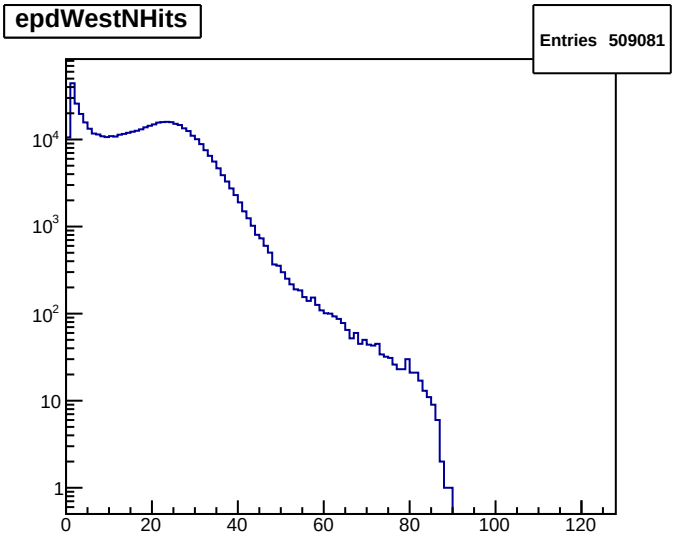
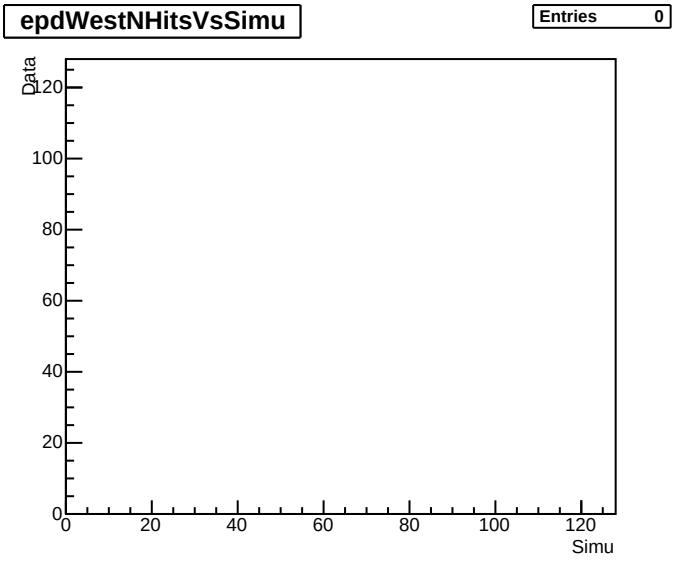
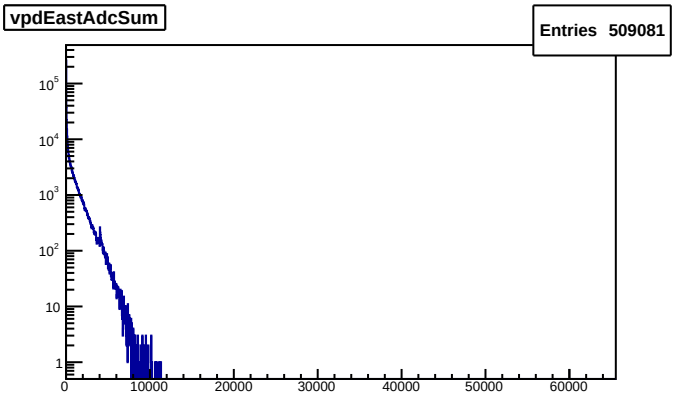
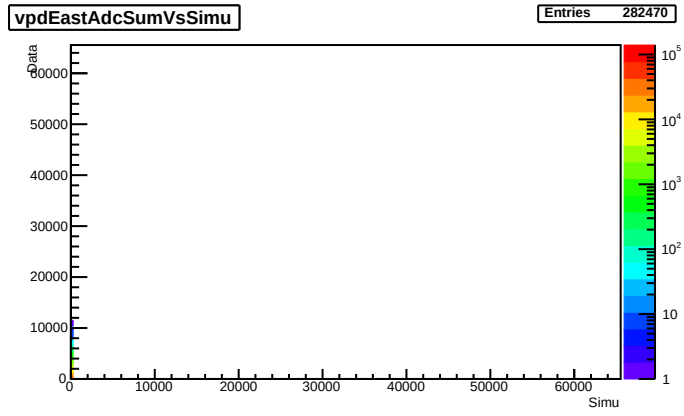
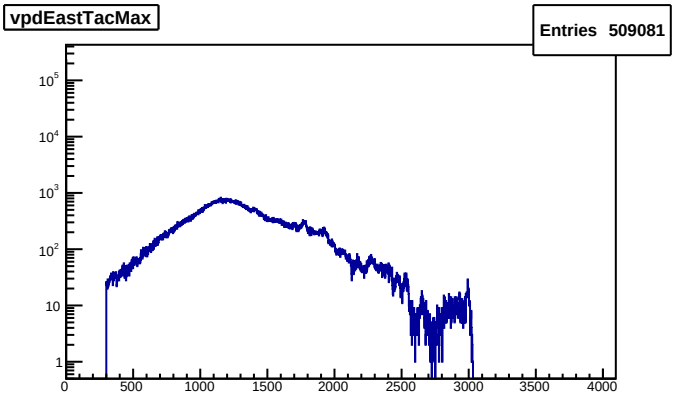
Entries 0
Data
Simu

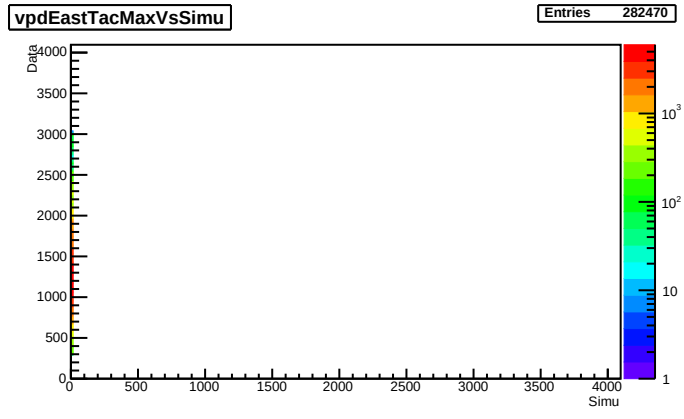

epdWestNHits
Entries 509081

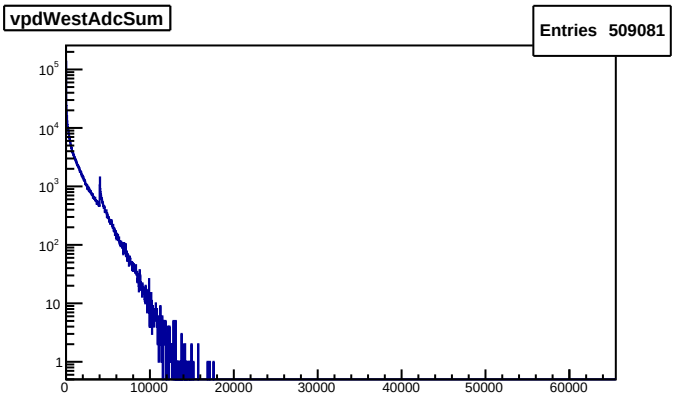

epdWestNHitsVsSimu
Entries 0
Data
Simu

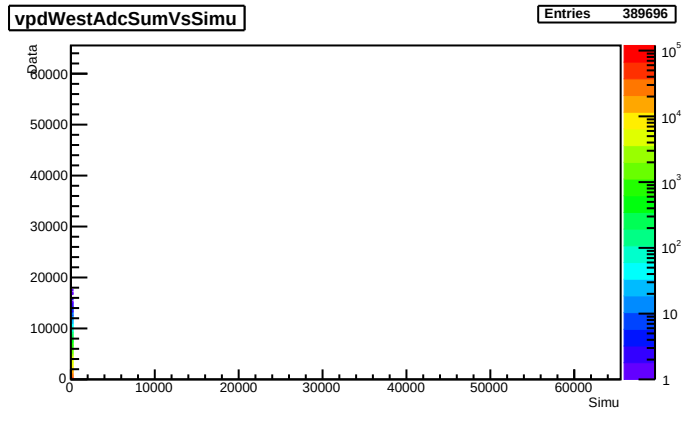

vpdEastAdcSum
Entries 509081

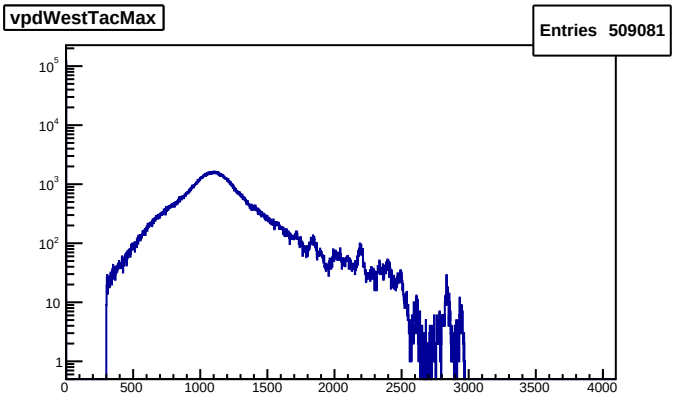

vpdEastAdcSumVsSimu
Entries 282470
Data
Simu

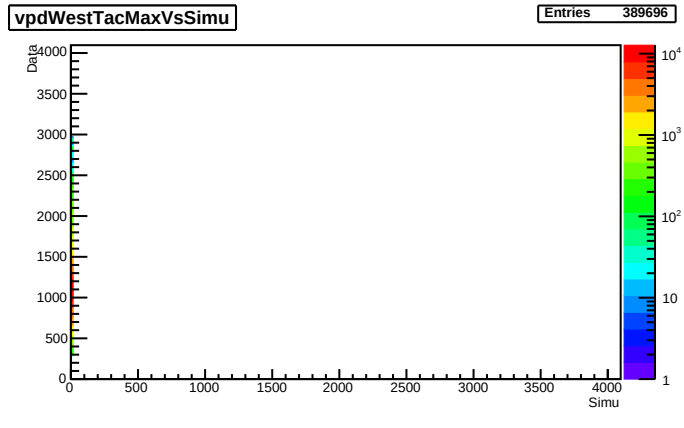

vpdEastTacMax
Entries 509081

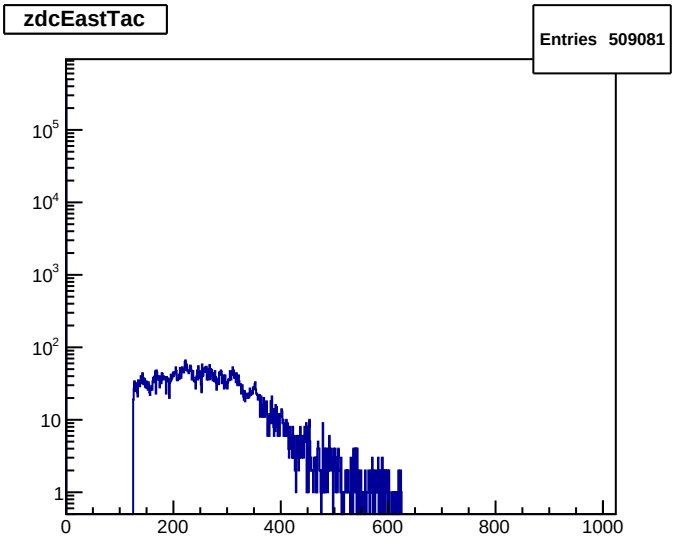

vpdEastTacMaxVsSimu
Entries 282470
Data
Simu

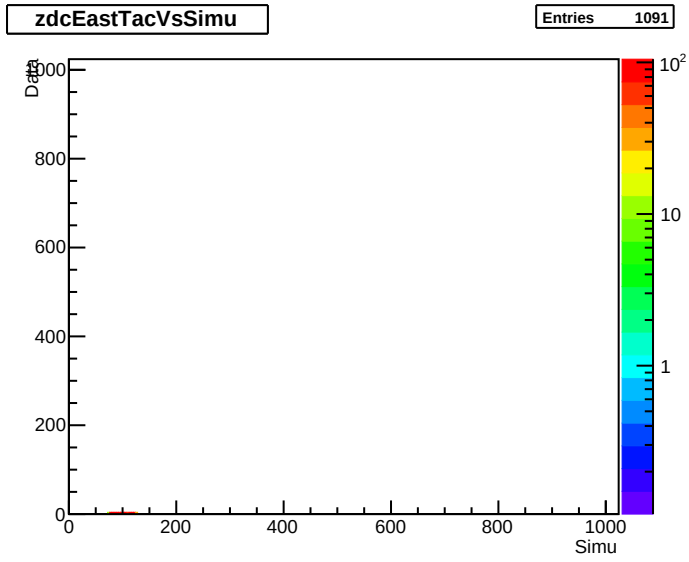

vpdWestAdcSum
Entries 509081

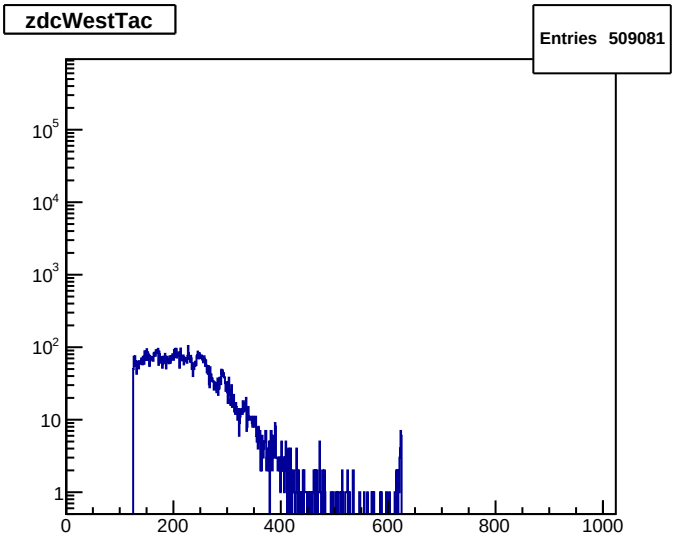

vpdWestAdcSumVsSimu
Entries 389696
Data
Simu

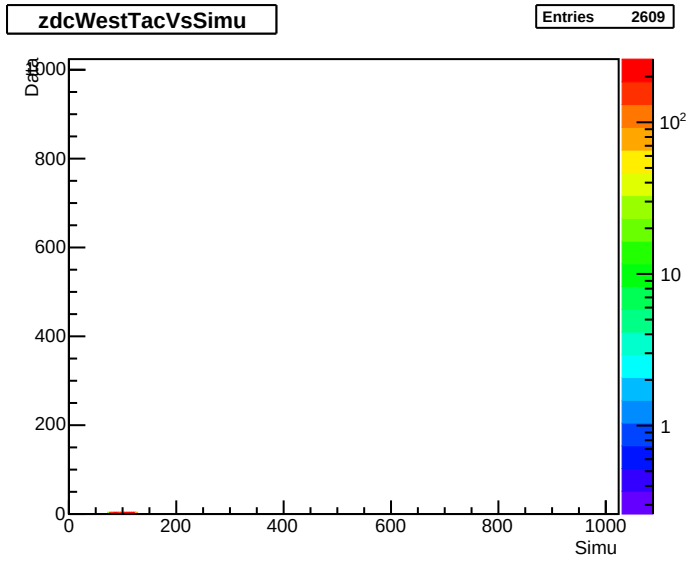

vpdWestTacMax
Entries 509081

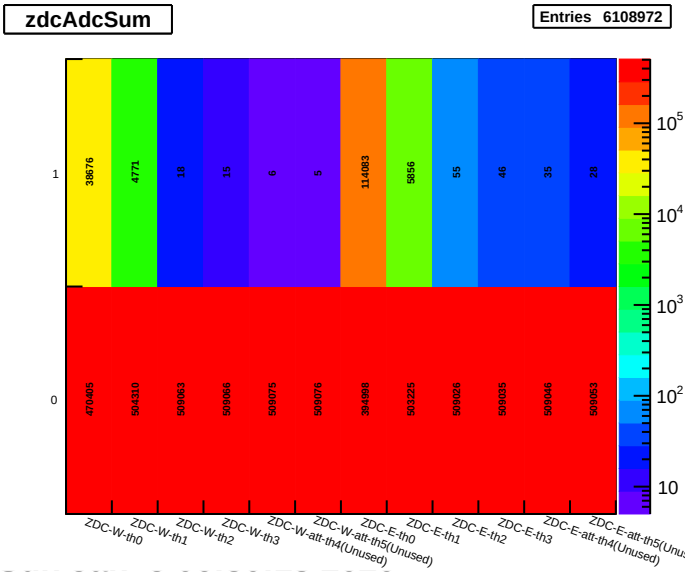

vpdWestTacMaxVsSimu
Entries 389696
Data
Simu

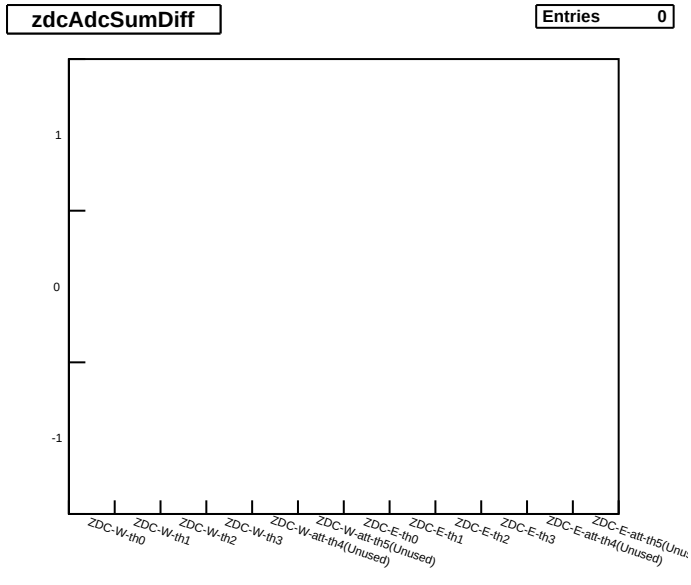

zdcEastTac
Entries 509081

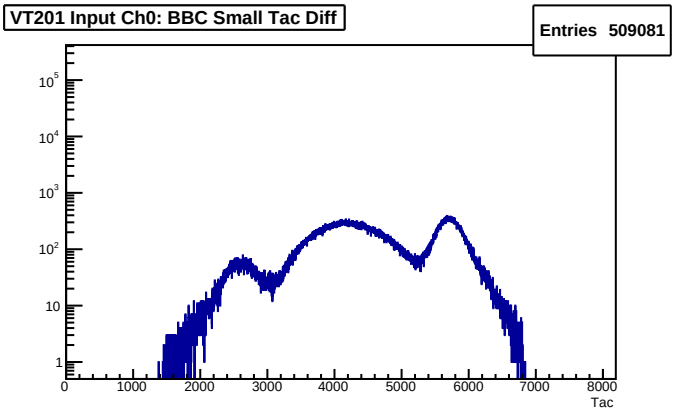

zdcEastTacVsSimu
Entries 1091
Data
Simu

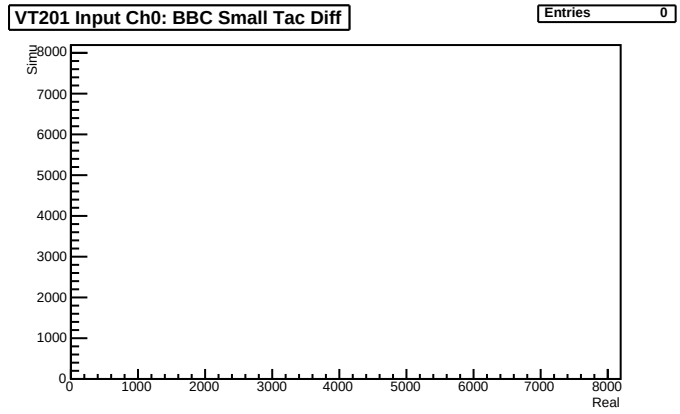

zdcWestTac
Entries 509081

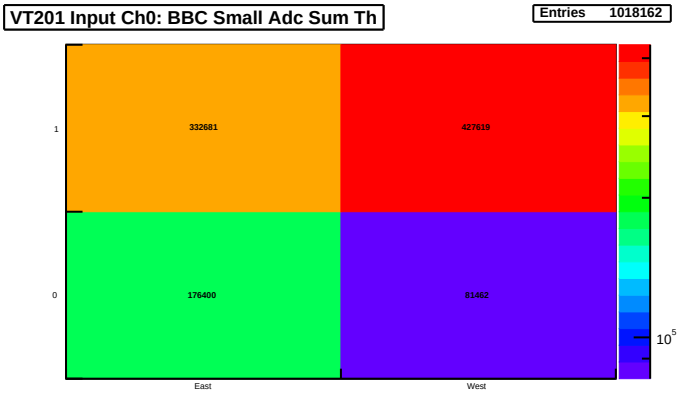

zdcWestTacVsSimu
Entries 2609
Data
Simu

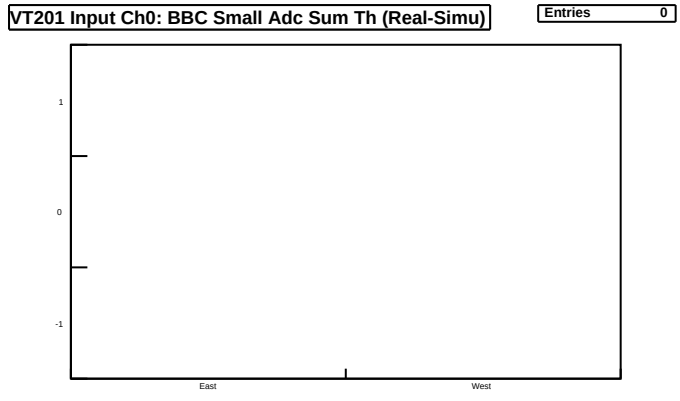

zdcAdcSum
Entries 6108972
38676
4771
18
15
6
5
114083
5856
55
46
35
28
470405
504310
509063
509066
509075
509076
394998
503225
509026
509035
509046
509063
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

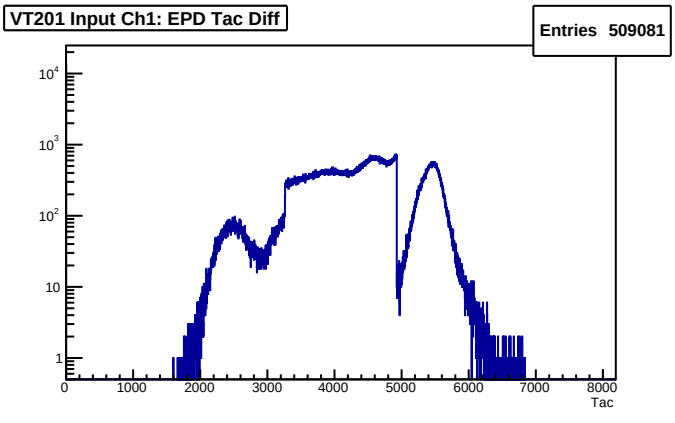

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

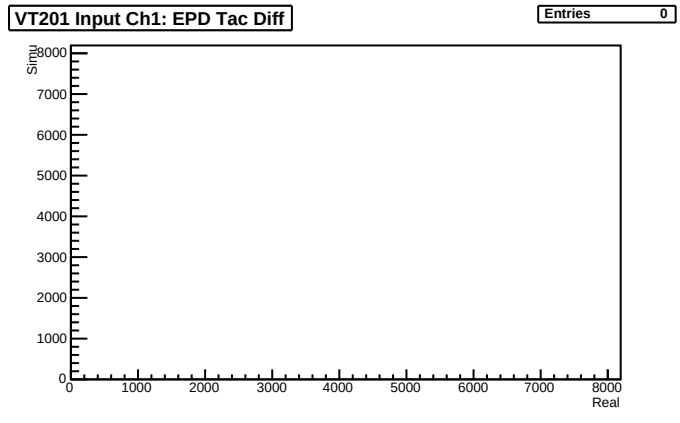

VT201 Input Ch0: BBC Small Tac Diff
Entries 509081
Tac

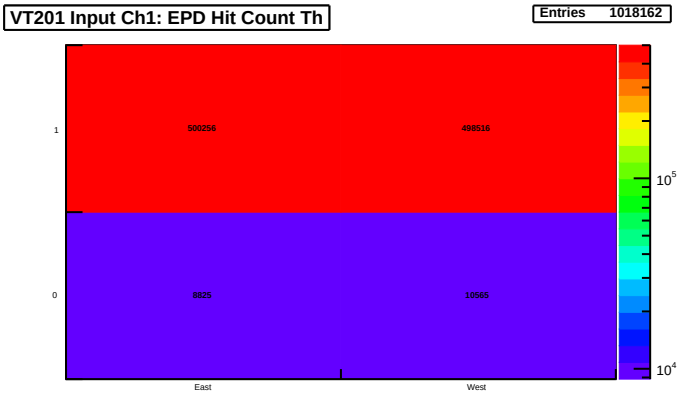

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

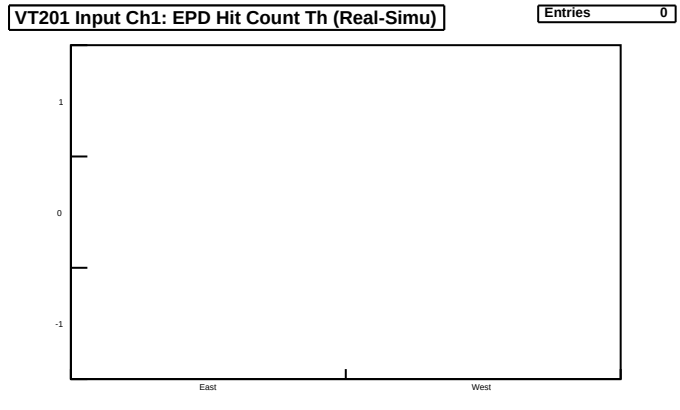

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1018162
332681
427619
176400
81462
East
West

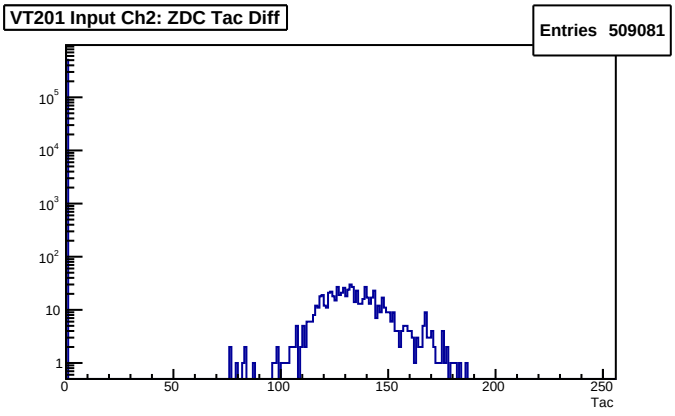

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

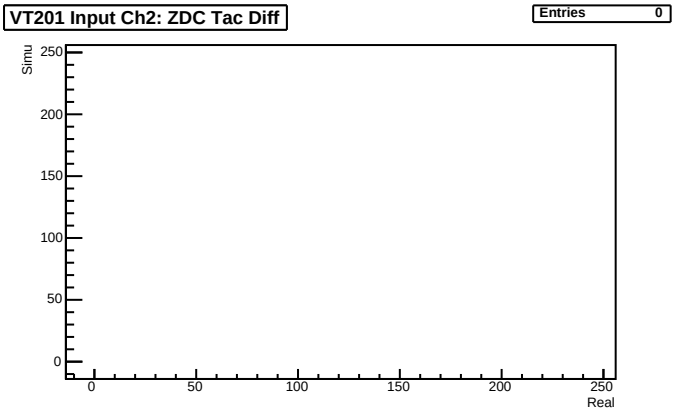

VT201 Input Ch1: EPD Tac Diff
Entries 509081
Tac

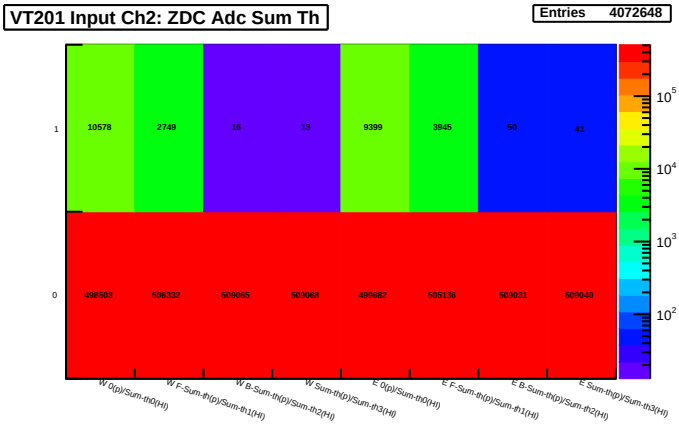

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

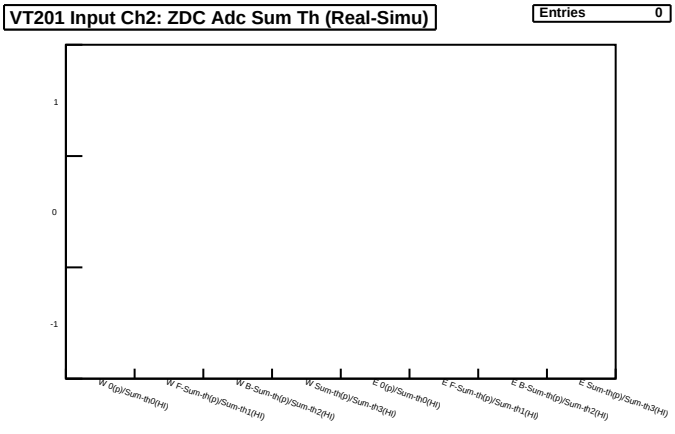

VT201 Input Ch1: EPD Hit Count Th
Entries 1018162
500256
498516
8825
10565
East
West

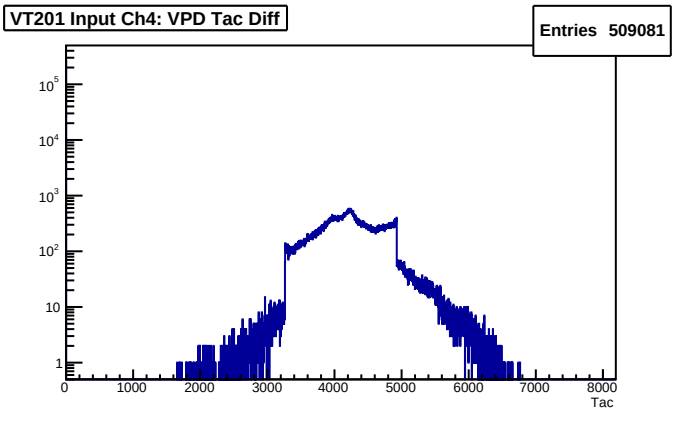

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

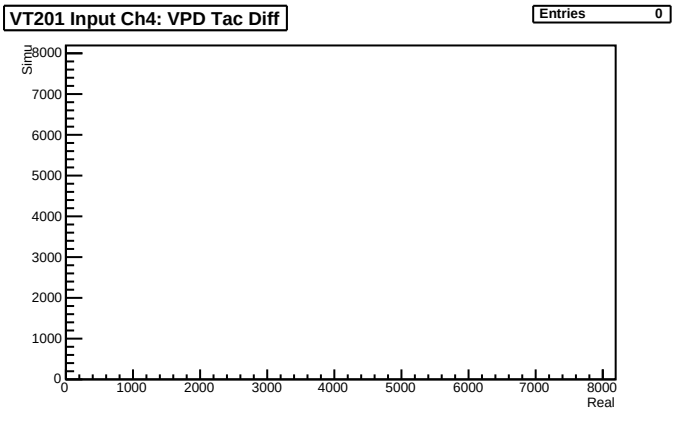

VT201 Input Ch2: ZDC Tac Diff
Entries 509081
Tac

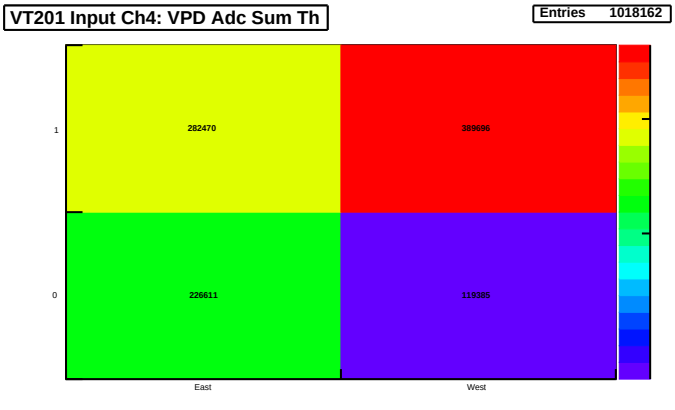

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

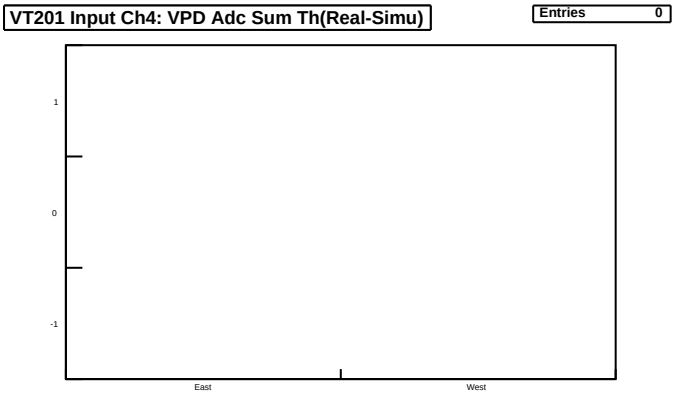

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4072648
10578
2749
16
13
9399
3945
50
41
498503
506332
509065
509068
499682
505136
509031
509040
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

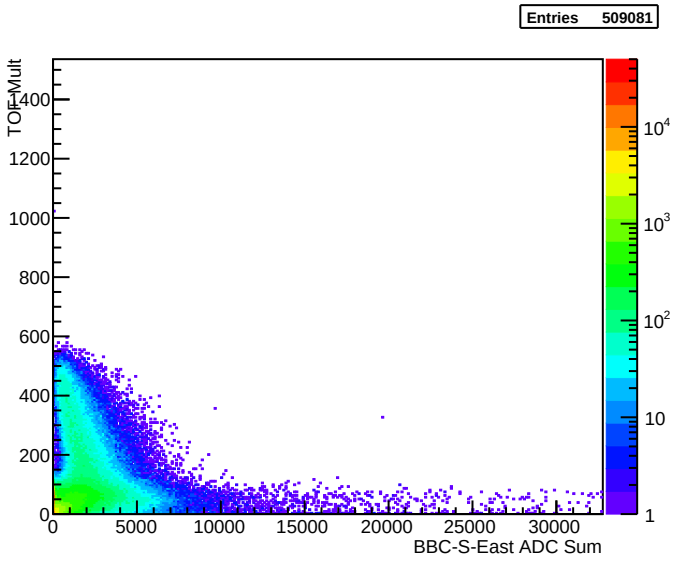

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

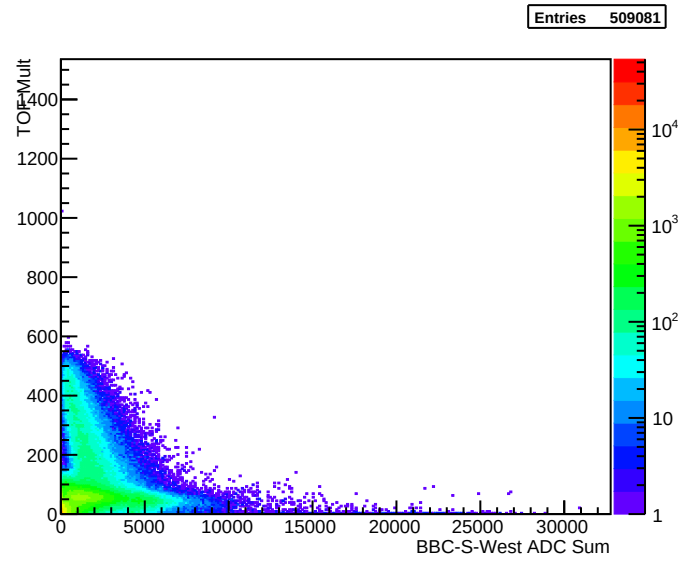

VT201 Input Ch4: VPD Tac Diff
Entries 509081
Tac

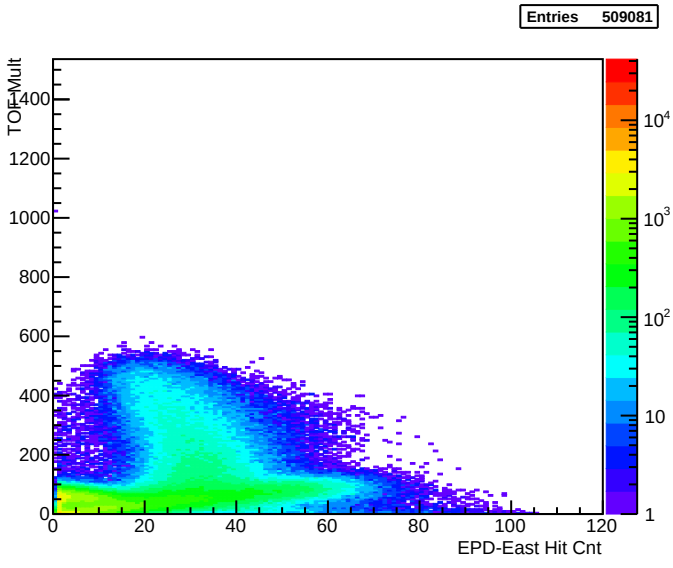

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

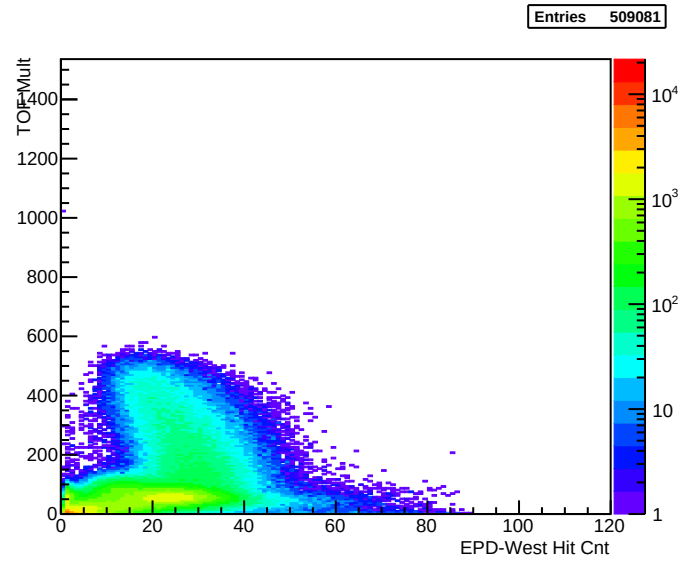

VT201 Input Ch4: VPD Adc Sum Th
Entries 1018162
282470
389696
226611
119385
East
West

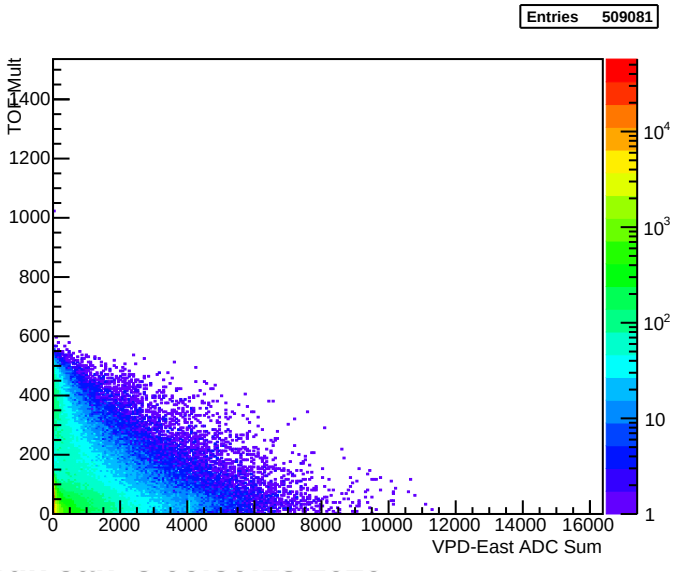

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

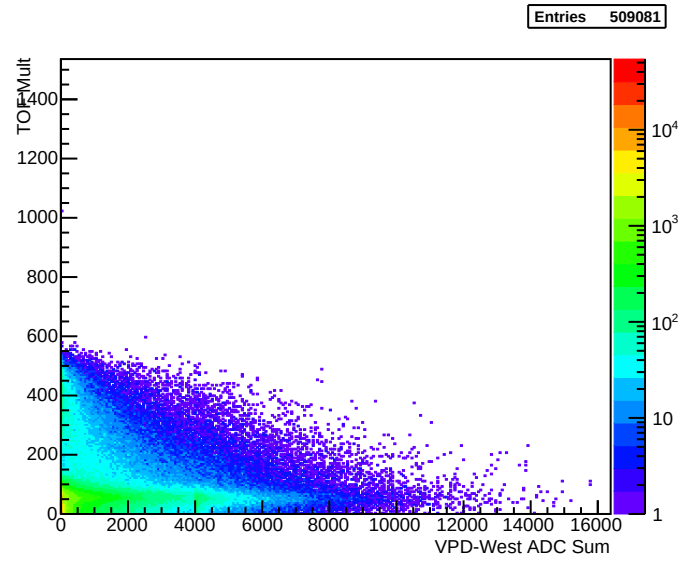

Entries 509081
TOF-Mult
BBC-S-East ADC Sum

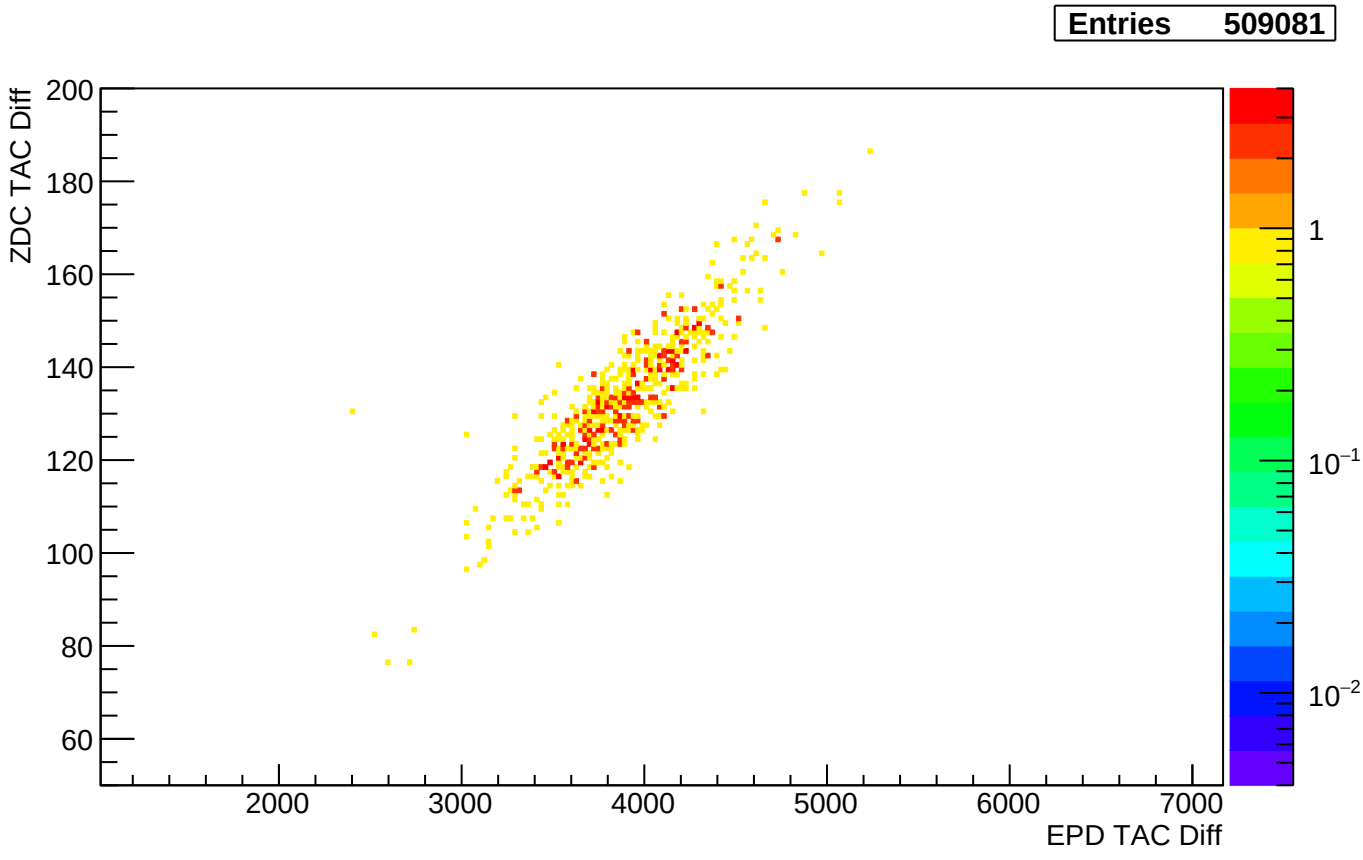

Entries 509081
TOF-Mult
BBC-S-West ADC Sum

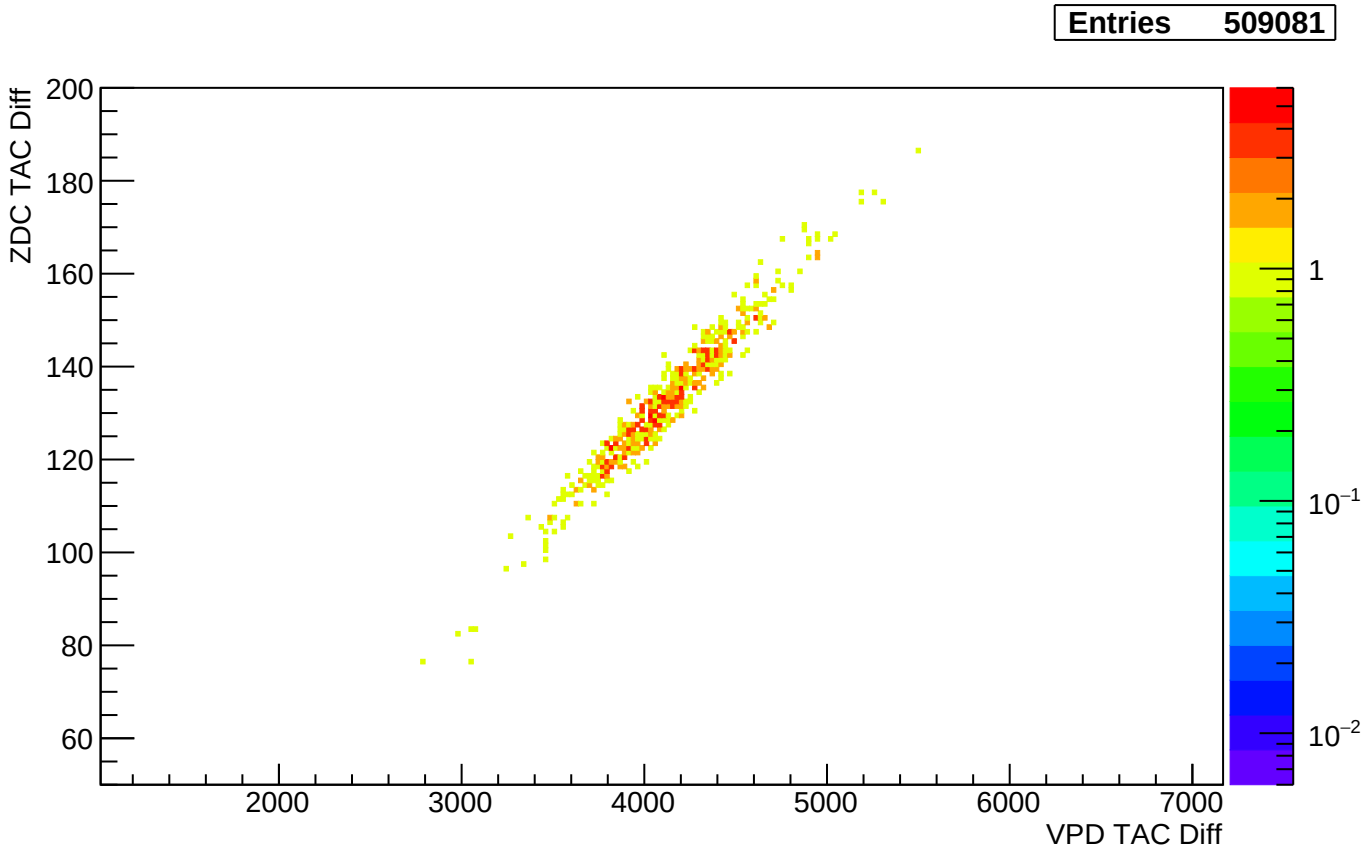

Entries 509081
TOF-Mult
EPD-East Hit Cnt

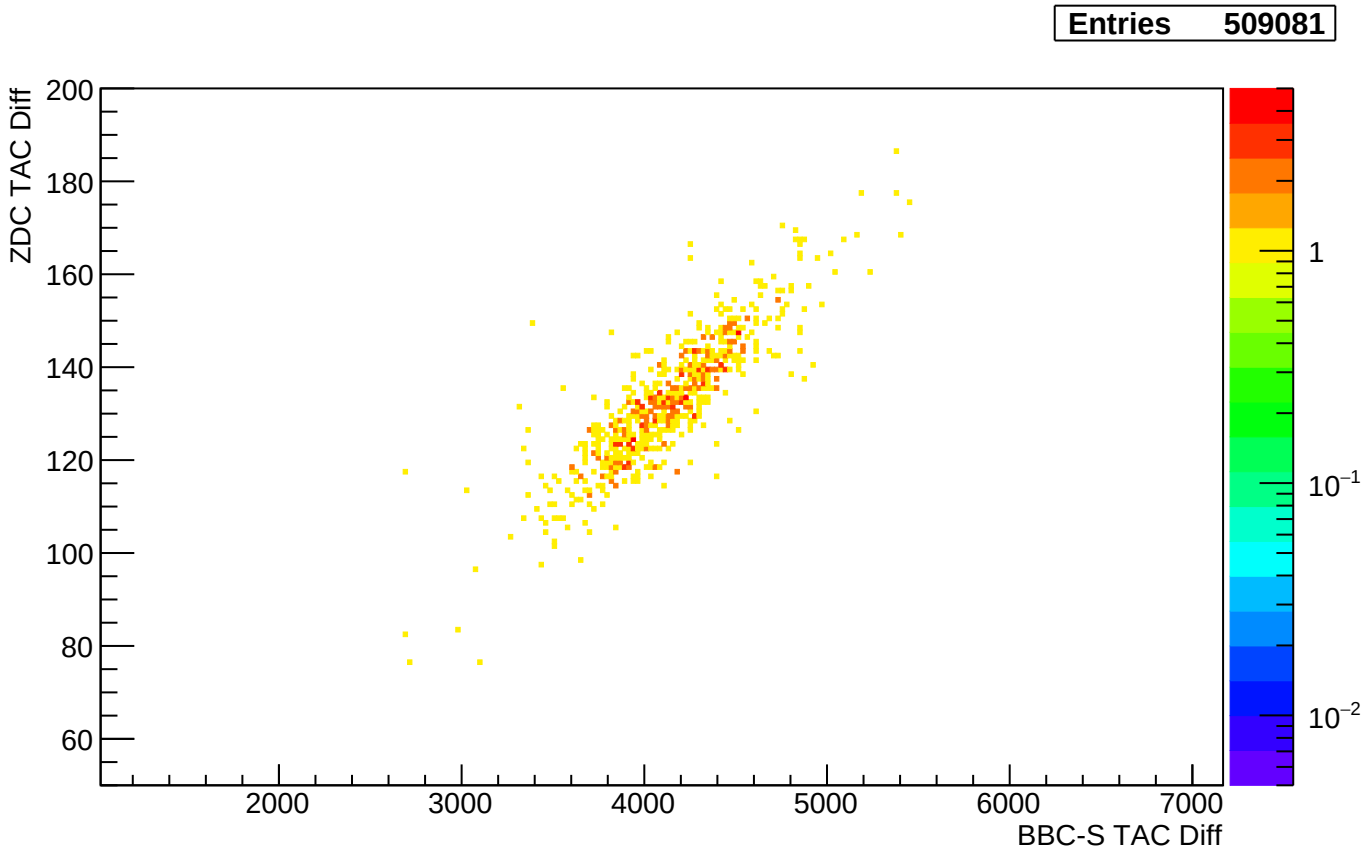

Entries 509081
TOF-Mult
EPD-West Hit Cnt

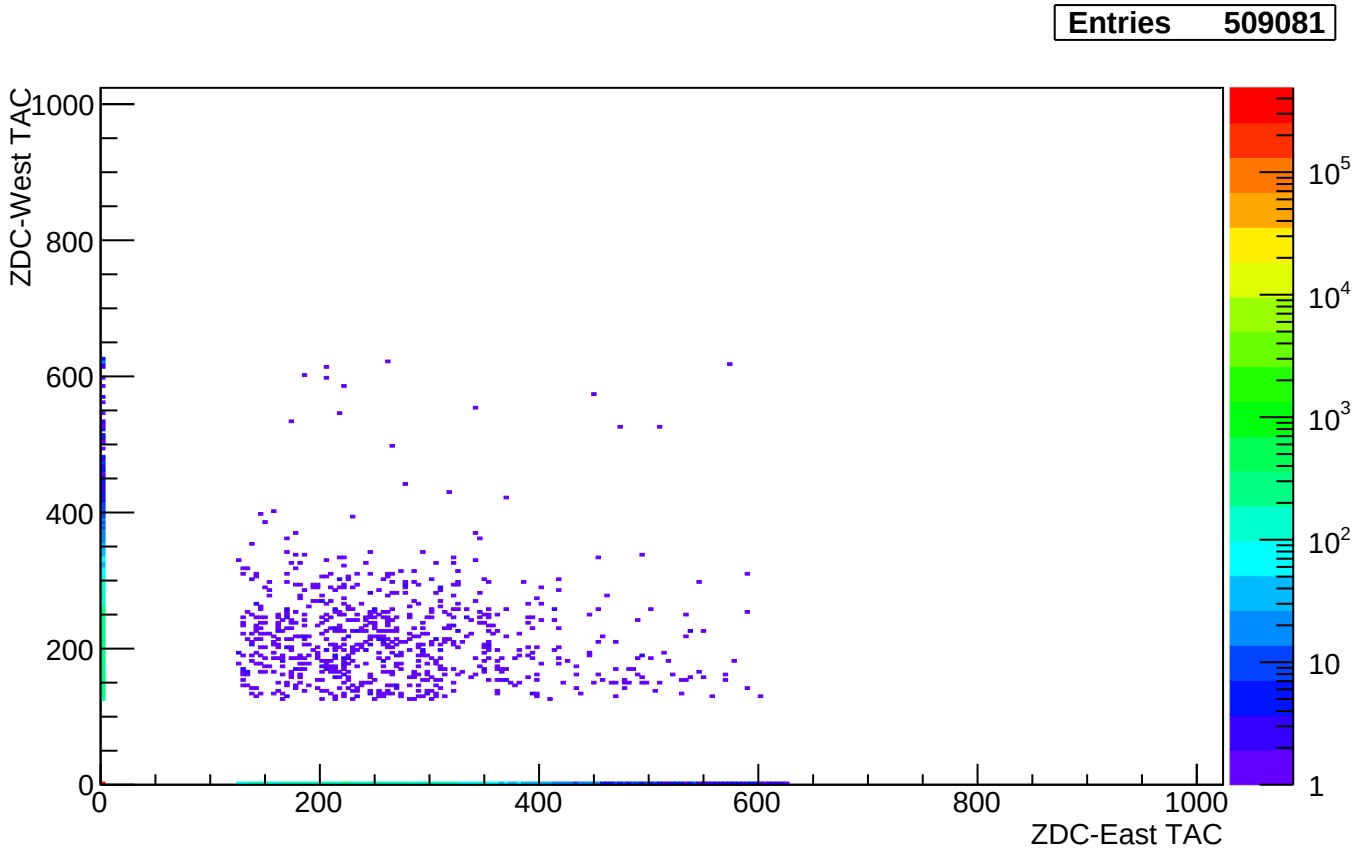

Entries 509081
TOF-Mult
VPD-East ADC Sum

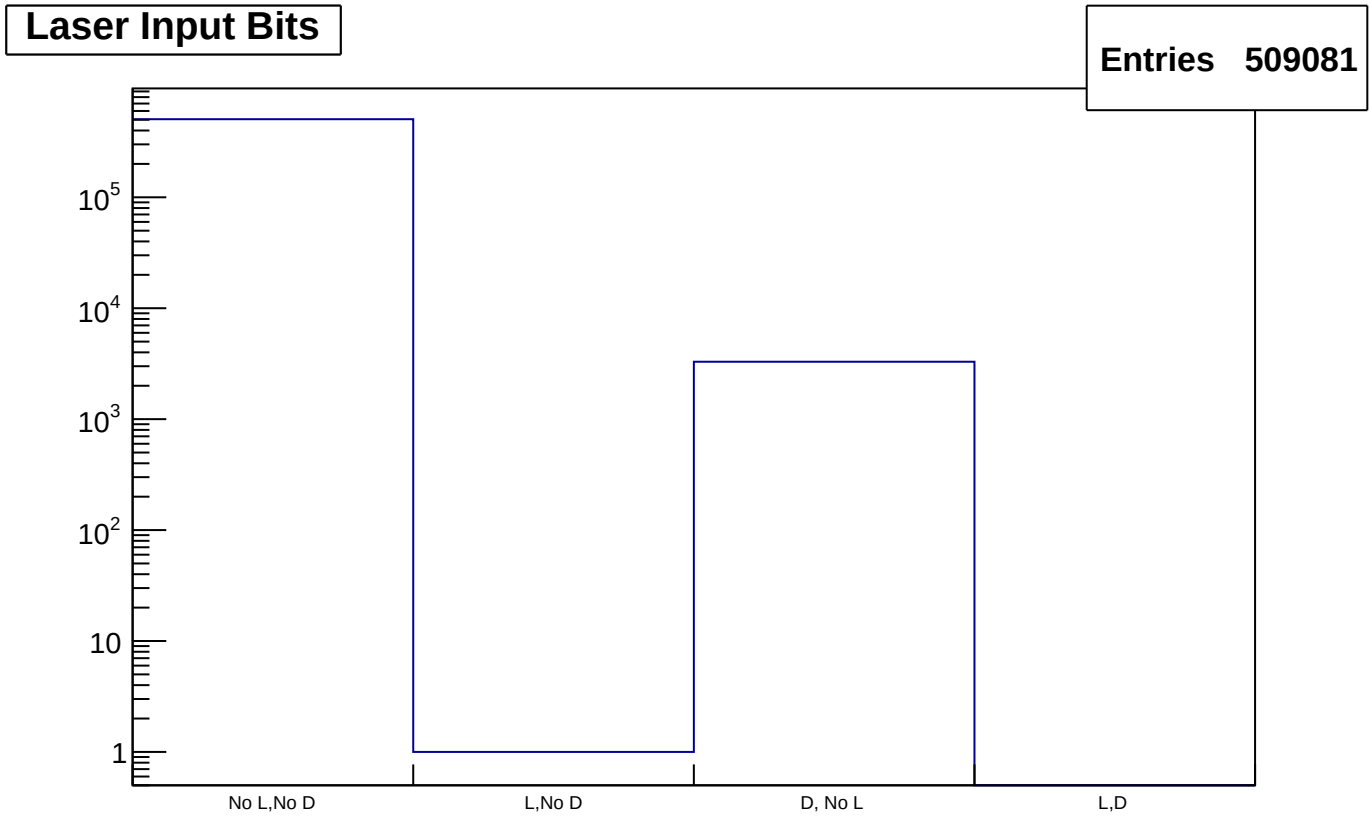

Entries 509081
TOF-Mult
VPD-West ADC Sum

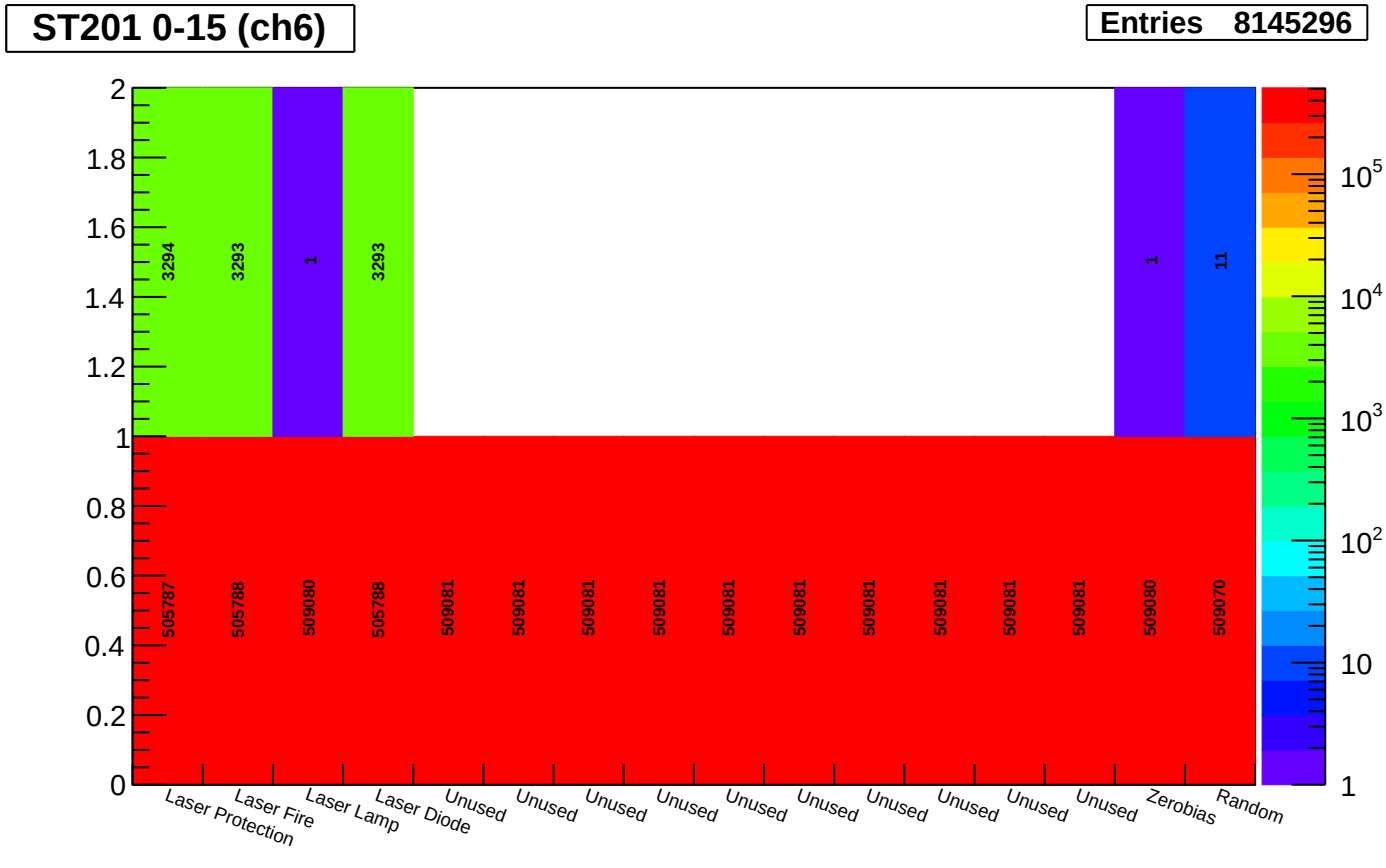

Entries 509081
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

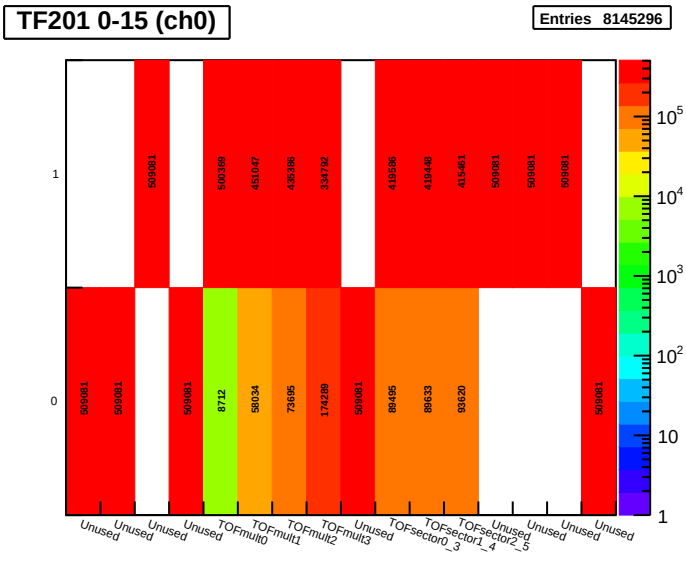

Entries 509081
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

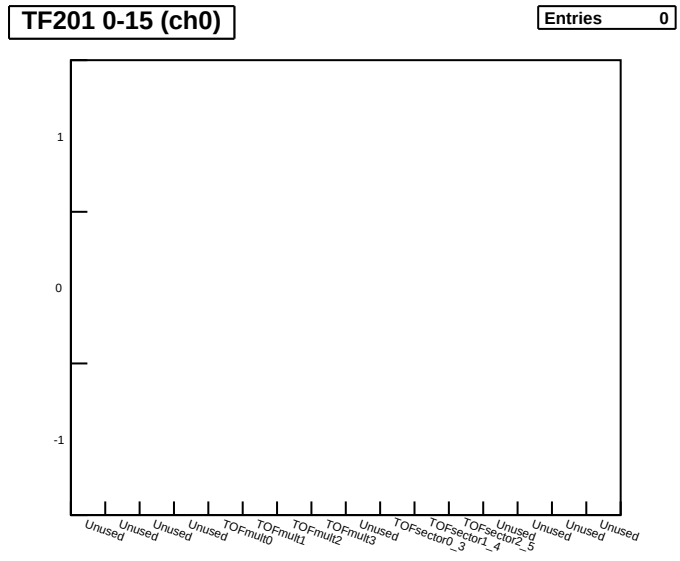

Entries 509081
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

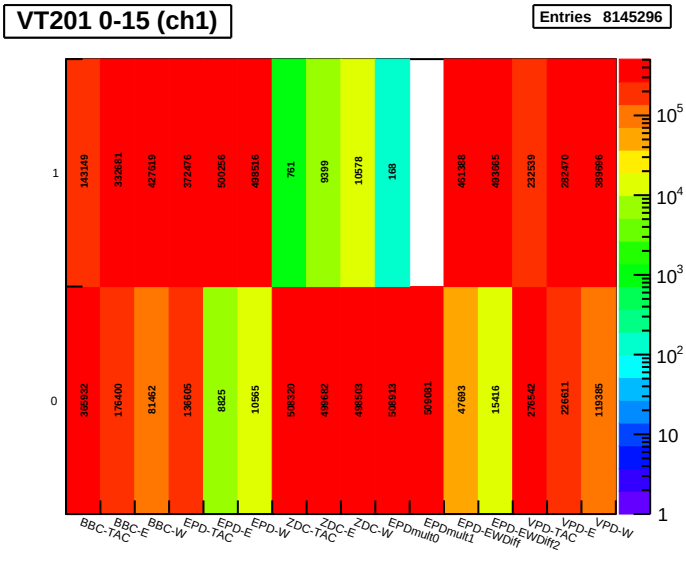

Entries 509081
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

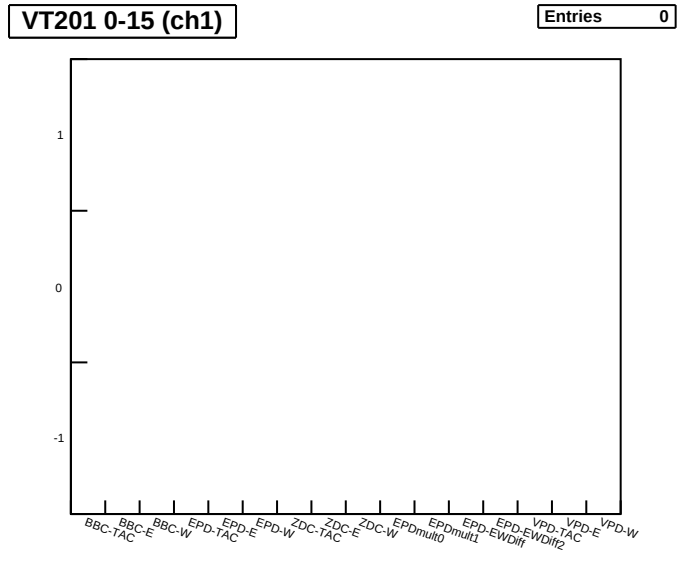

Laser Input Bits
Entries 509081
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

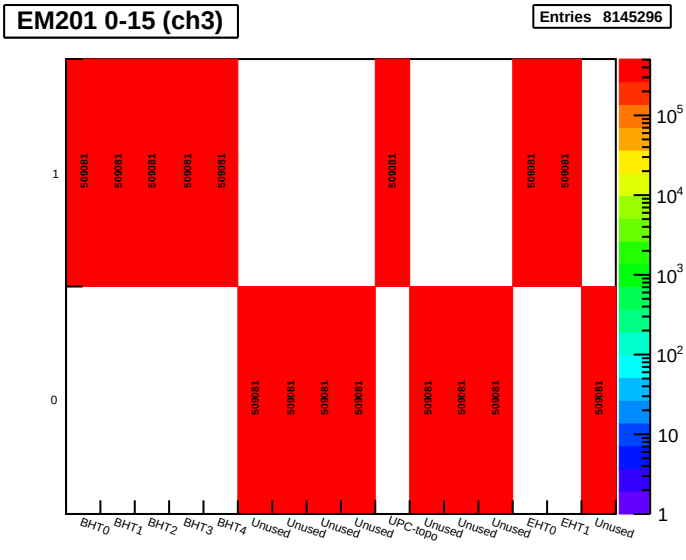

ST201 0-15 (ch6)
Entries 8145296
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3294
3293
1
3293
1
11
505787
505788
509080
505788
509081
509081
509081
509081
509081
509081
509081
509081
509081
509081
509080
509070
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

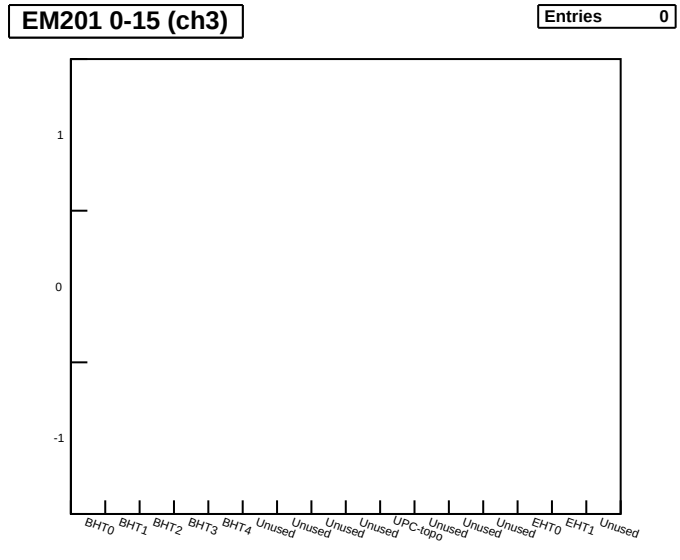

TF201 0-15 (ch0)
Entries 8145296
1
0
509081 500369 451047 435386 334792 419586 419448 415461 509081 509081 509081
509081 509081 509081 8712 58034 73695 174289 509081 89495 89633 93620 509081
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 Unused


VT201 0-15 (ch1)
Entries 8145296
1
0
143149 332681 427619 372476 500256 498516 761 9399 10578 168 461368 493665 232559 282470 389686
365932 176400 81462 136605 8825 10565 508320 499682 498503 508913 509081 47693 15416 276542 226611 119385
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 8145296
1
0
509081 509081 509081 509081 509081 509081 509081
509081 509081 509081 509081 509081 509081 509081 509081
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