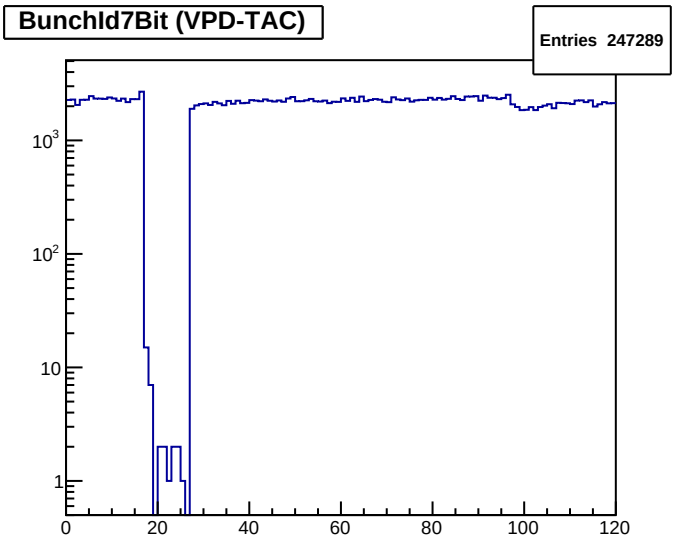
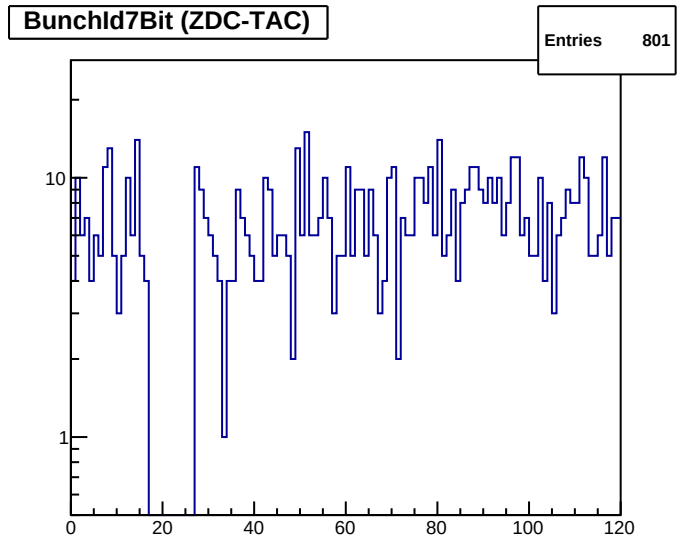
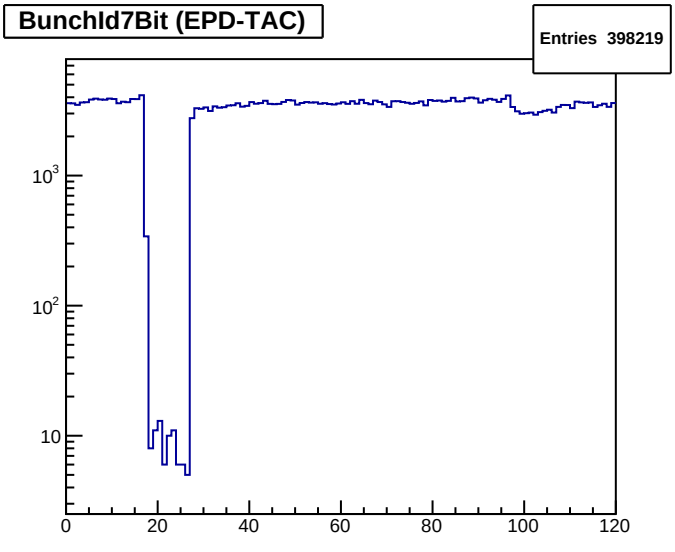
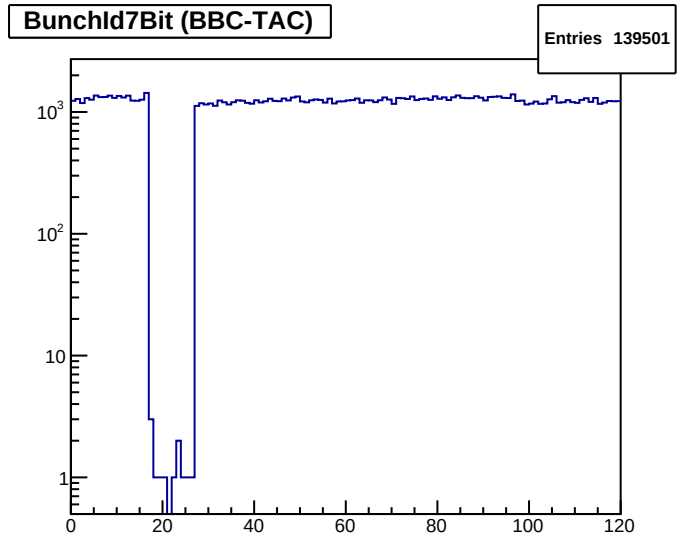
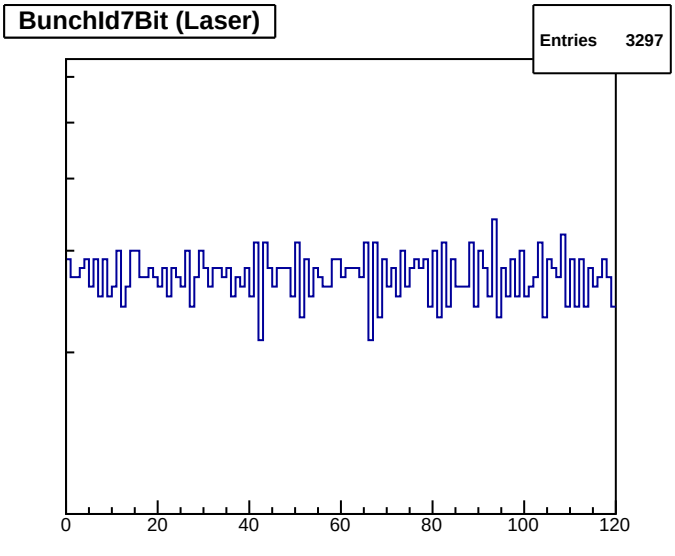
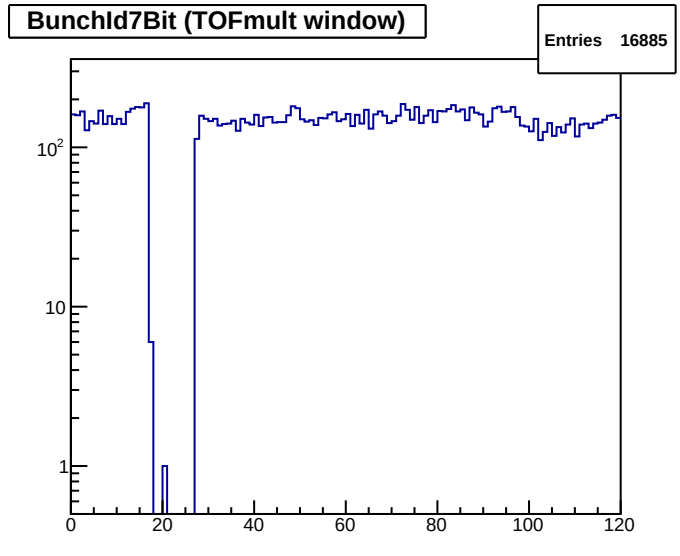

BunchId7Bit (VPD-TAC)
Entries 247289
10^3
10^2
10
1
0
20
40
60
80
100
120

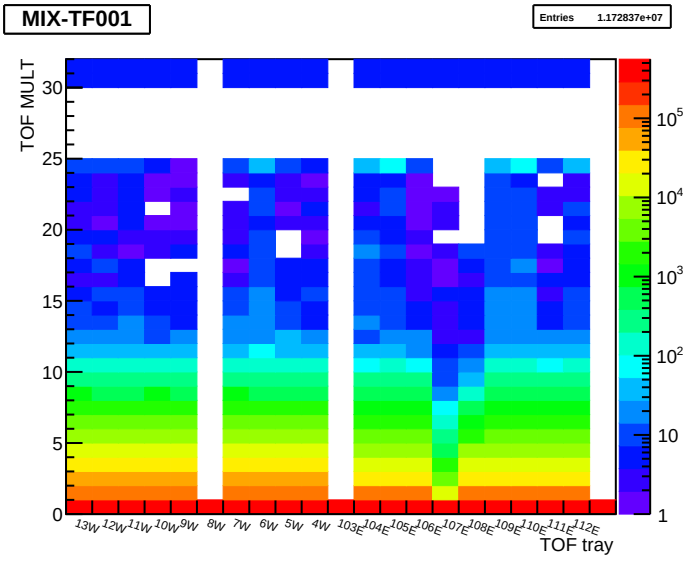

BunchId7Bit (ZDC-TAC)
Entries 801
10
1
0
20
40
60
80
100
120

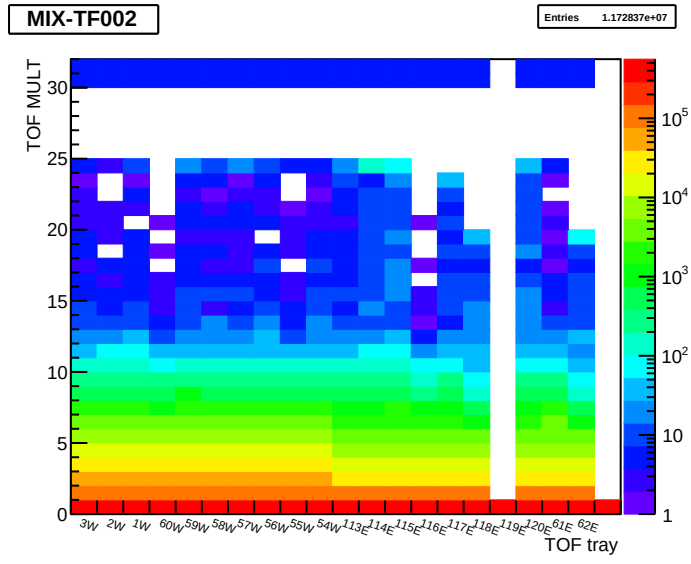

BunchId7Bit (EPD-TAC)
Entries 398219
10^3
10^2
10
0
20
40
60
80
100
120

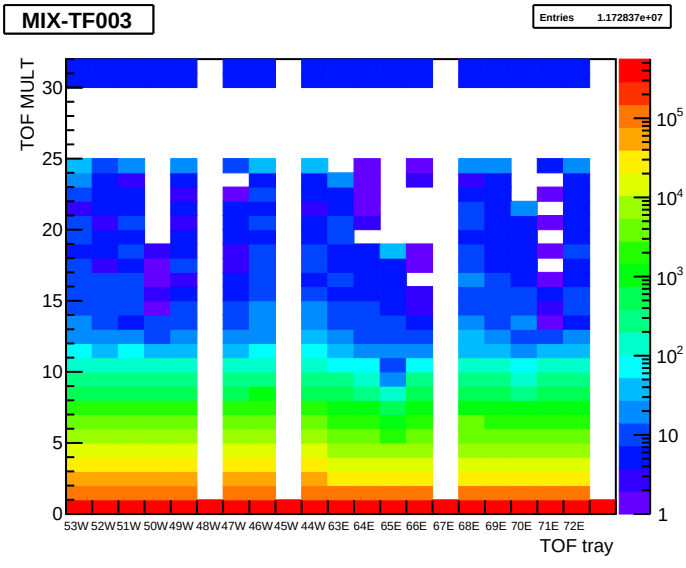

BunchId7Bit (BBC-TAC)
Entries 139501
10^3
10^2
10
1
0
20
40
60
80
100
120

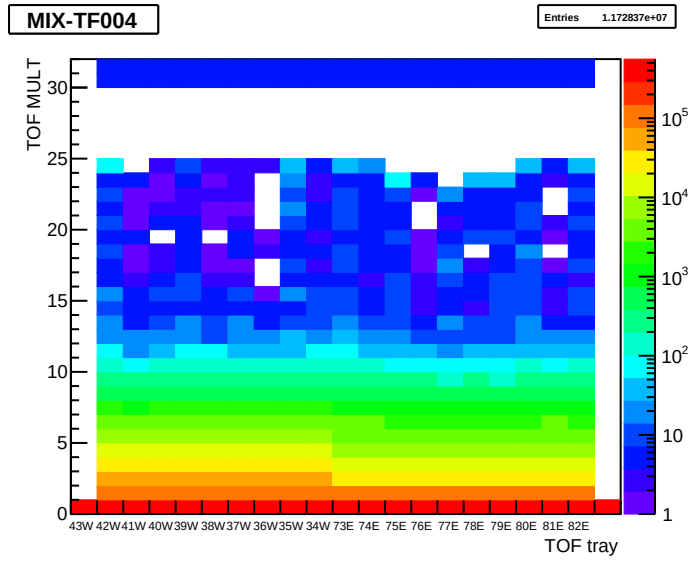

BunchId7Bit (Laser)
Entries 3297
0
20
40
60
80
100
120

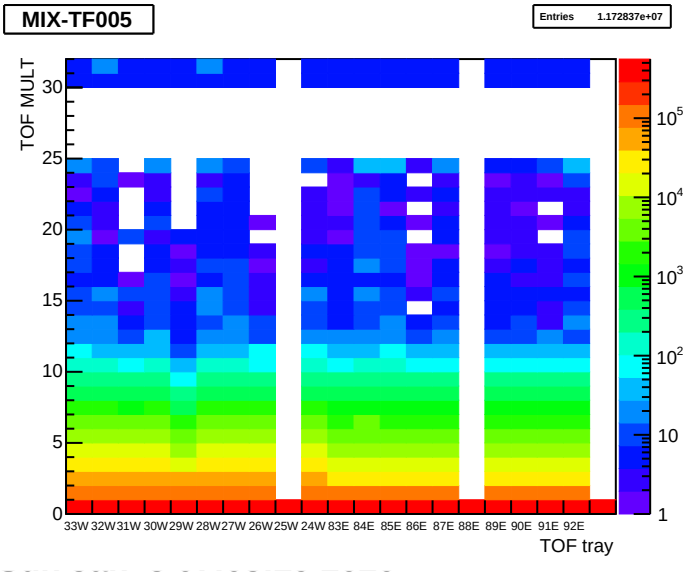

BunchId7Bit (TOFmult window)
Entries 16885
10^2
10
1
0
20
40
60
80
100
120

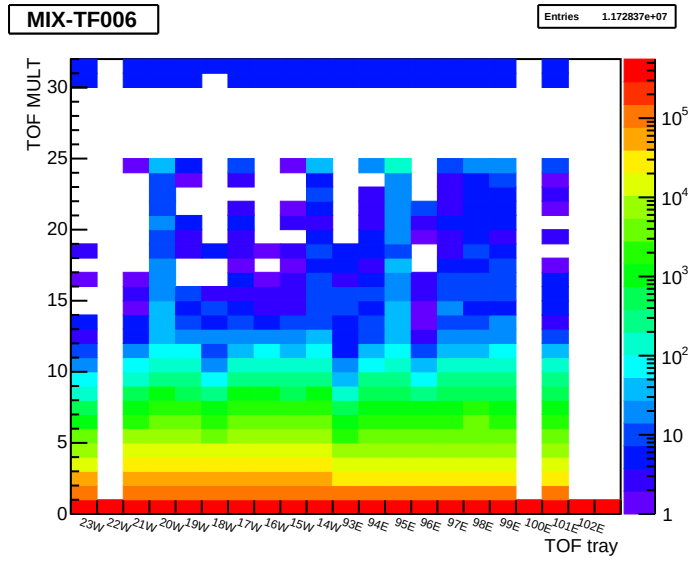

MIX-TF001
Entries 1.172837e+07
TOF MULT
TOF tray

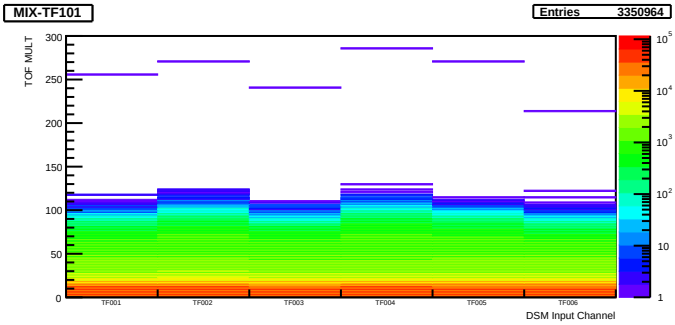

MIX-TF002
Entries 1.172837e+07
TOF MULT
TOF tray

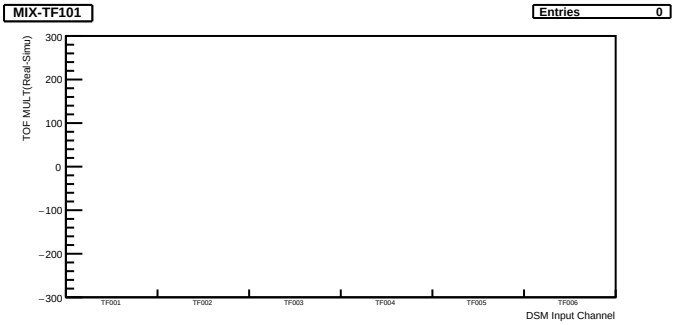

MIX-TF003
Entries 1.172837e+07
TOF MULT
TOF tray

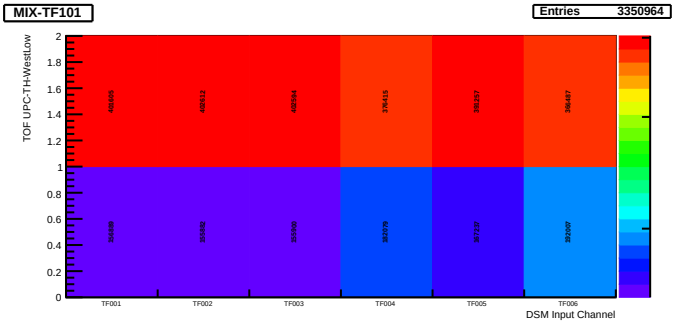

MIX-TF004
Entries 1.172837e+07
TOF MULT
TOF tray

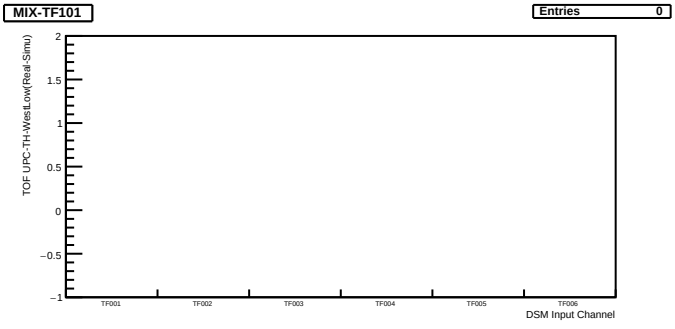

MIX-TF005
Entries 1.172837e+07
TOF MULT
TOF tray

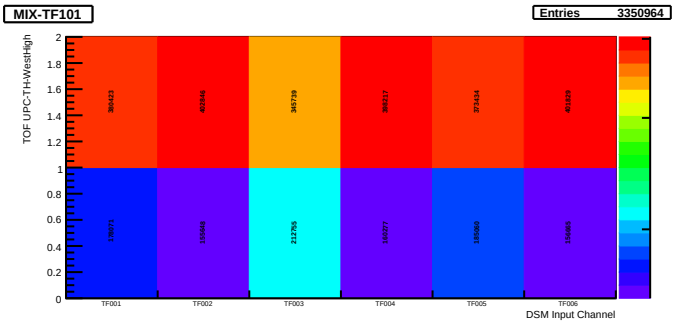

MIX-TF006
Entries 1.172837e+07
TOF MULT
TOF tray

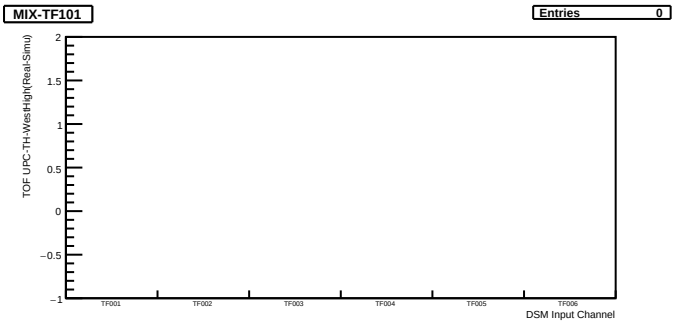

MIX-TF101
Entries 3350964
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

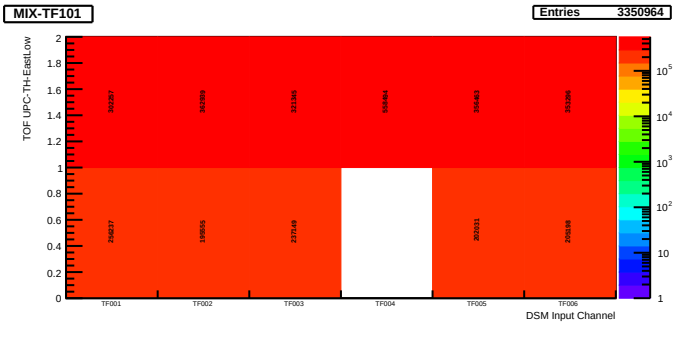

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

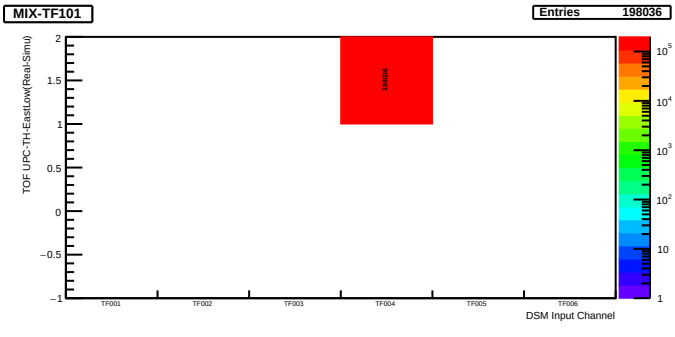

MIX-TF101
Entries 3350964
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

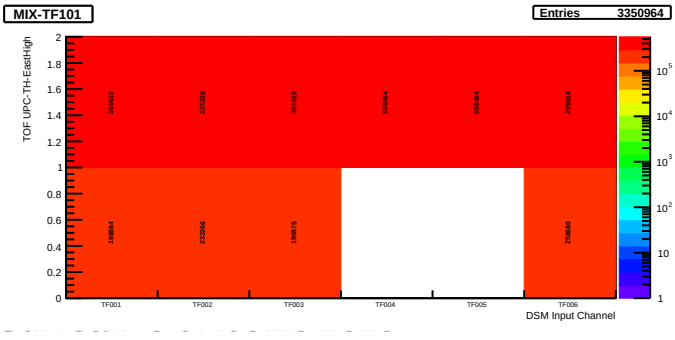

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

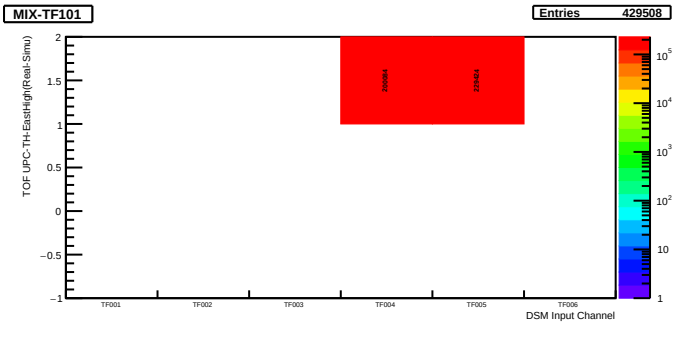

MIX-TF101
Entries 3350964
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

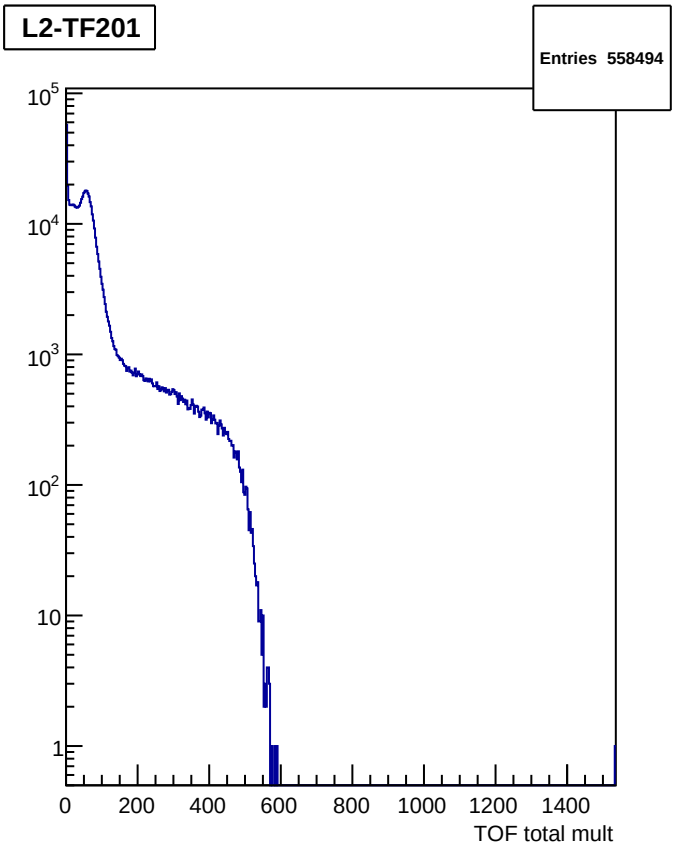

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

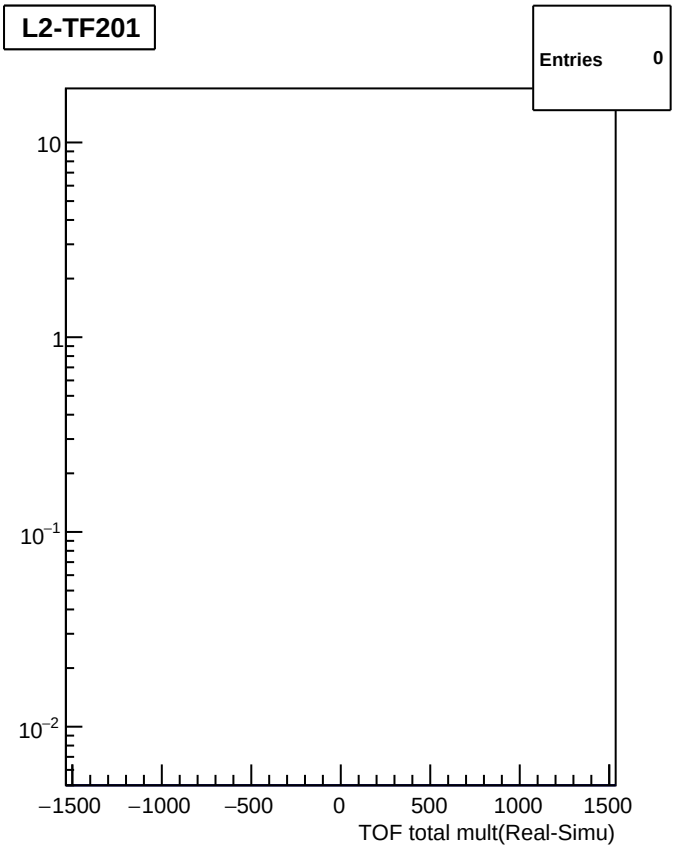

MIX-TF101
Entries 3350964
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

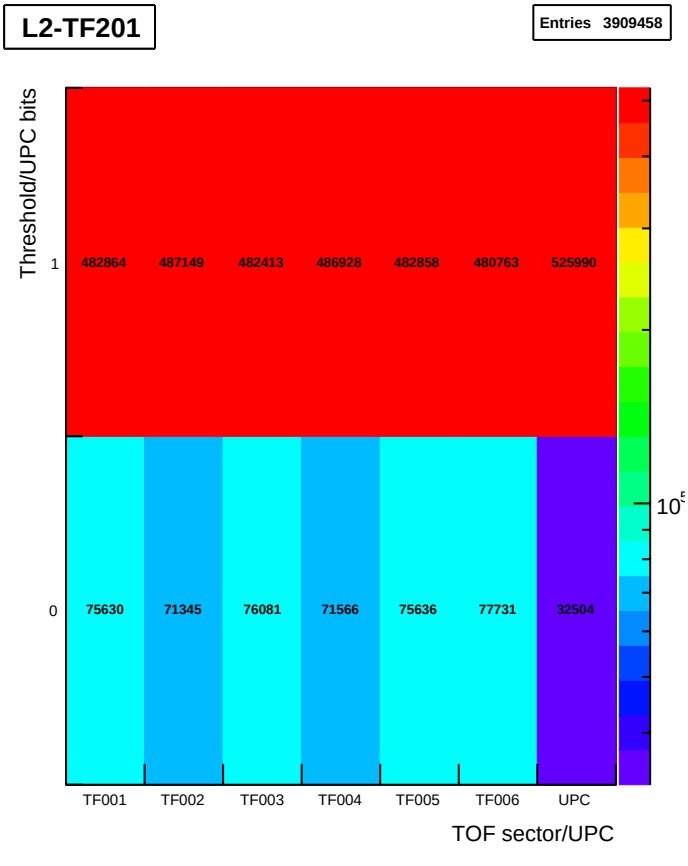

MIX-TF101
Entries 198036
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

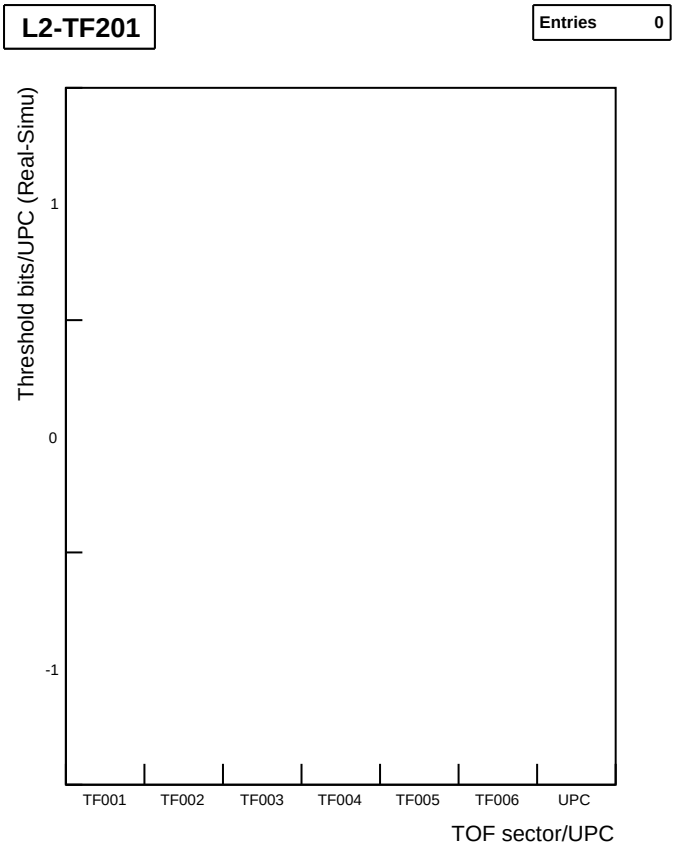

MIX-TF101
Entries 3350964
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

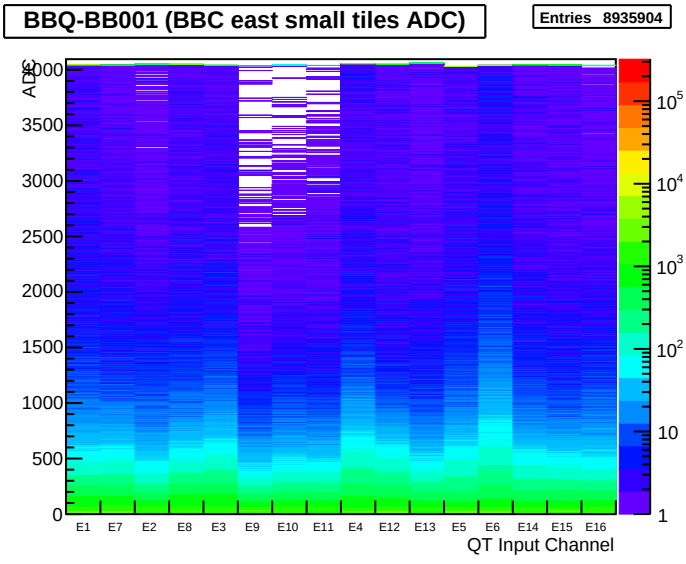

MIX-TF101
Entries 429508
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

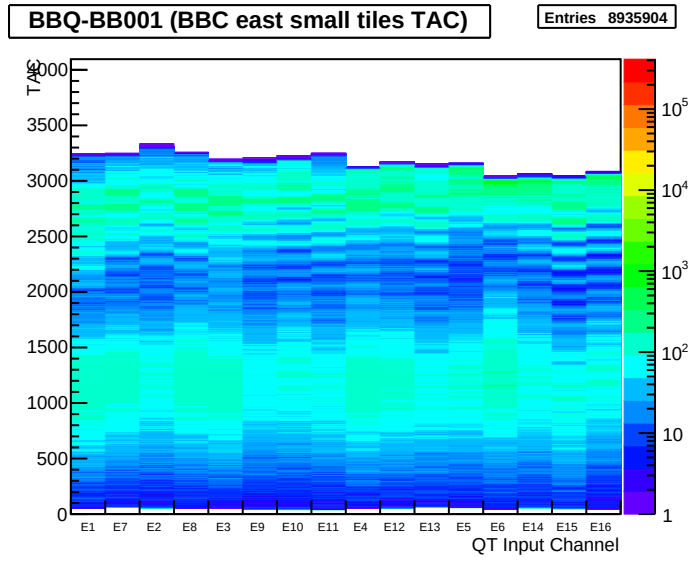

L2-TF201
Entries 558494
TOF total mult

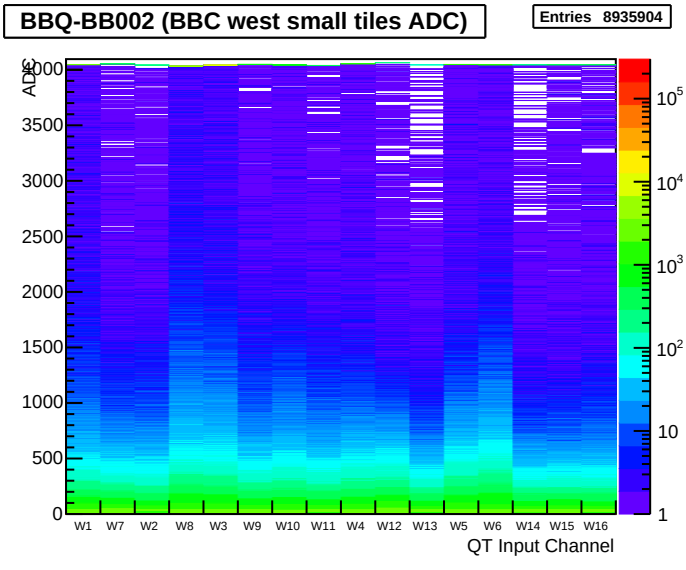

L2-TF201
Entries 0
TOF total mult(Real-Simu)

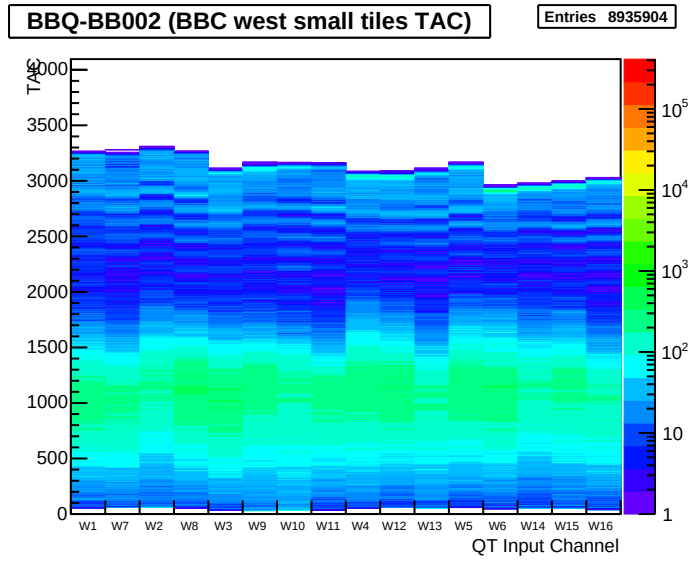

L2-TF201
Entries 3909458
Threshold/UPC bits
482864
487149
482413
486928
482858
480763
525990
75630
71345
76081
71566
75636
77731
32504
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

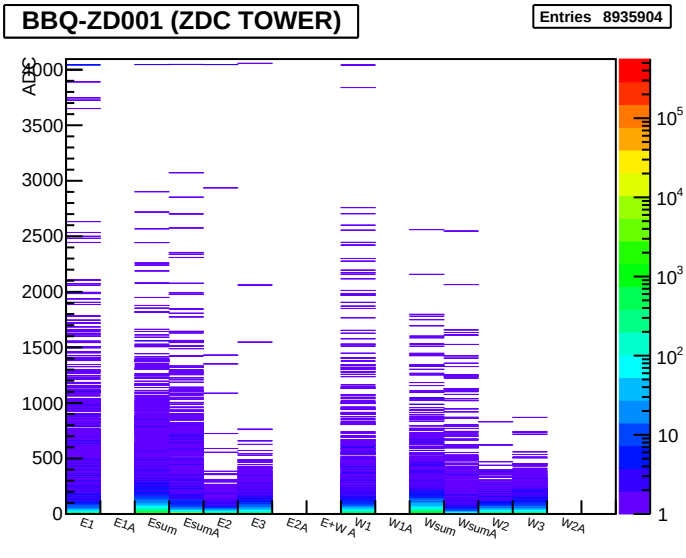

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

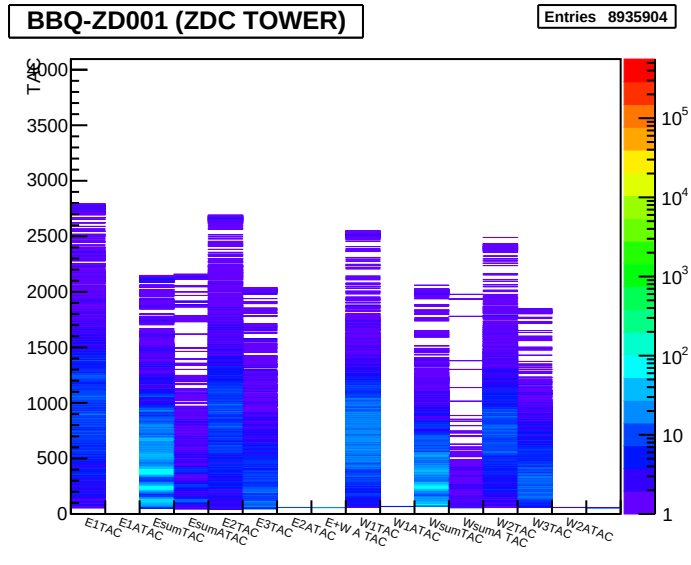

BBQ-BB001 (BBC east small tiles ADC)
Entries 8935904
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

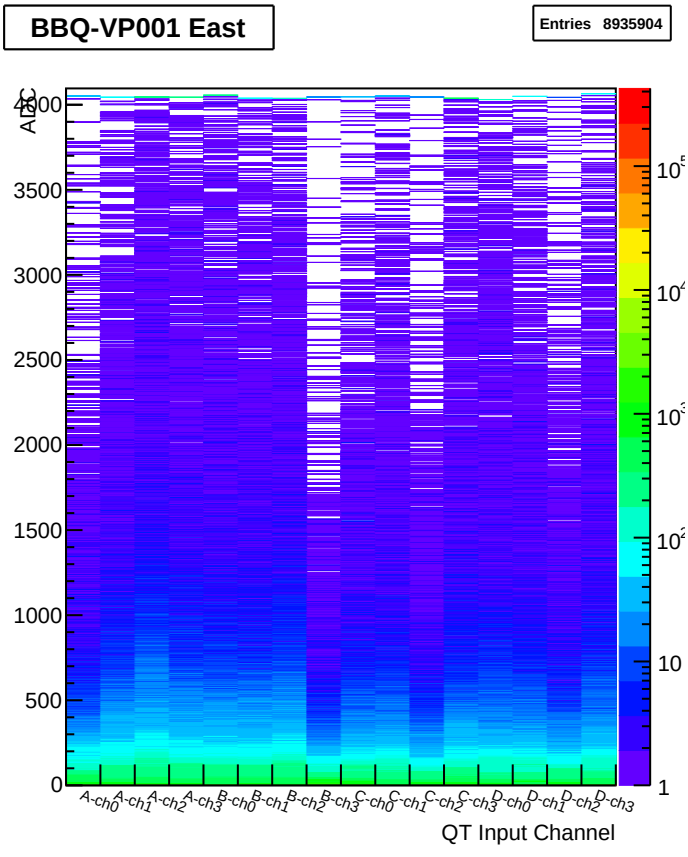

BBQ-BB001 (BBC east small tiles TAC)
Entries 8935904
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

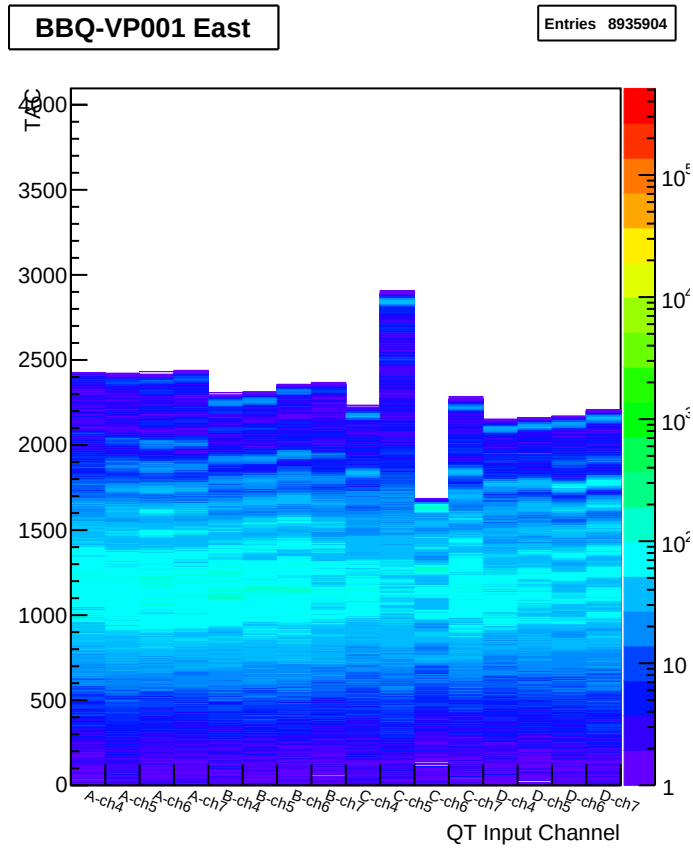

BBQ-BB002 (BBC west small tiles ADC)
Entries 8935904
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

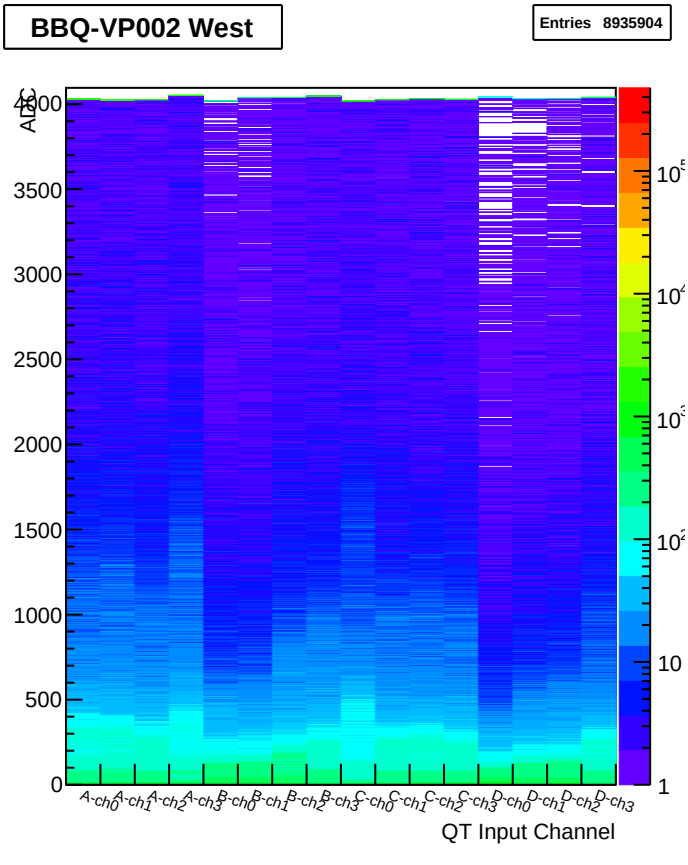

BBQ-BB002 (BBC west small tiles TAC)
Entries 8935904
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

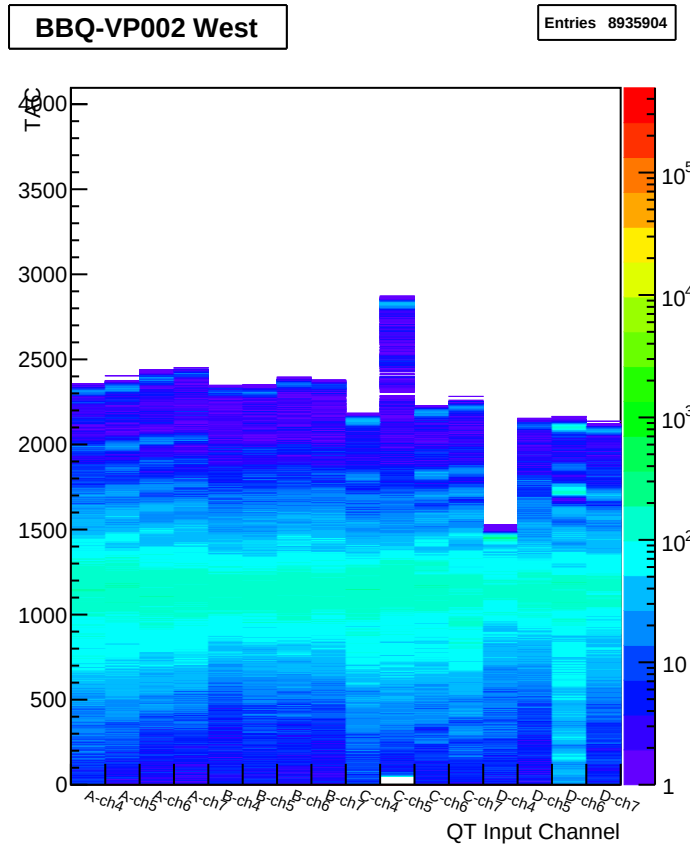

BBQ-ZD001 (ZDC TOWER)
Entries 8935904
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

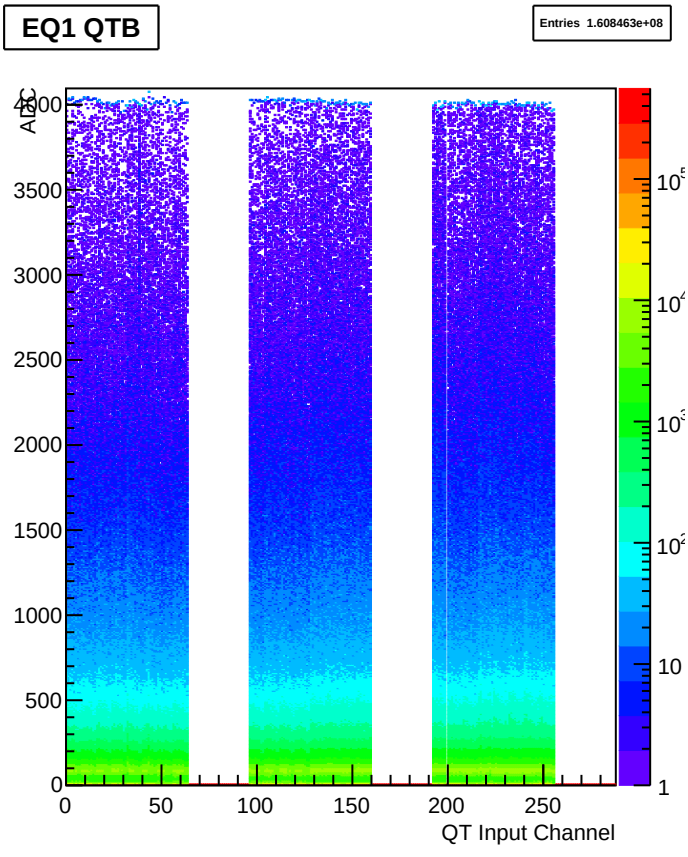

BBQ-ZD001 (ZDC TOWER)
Entries 8935904
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

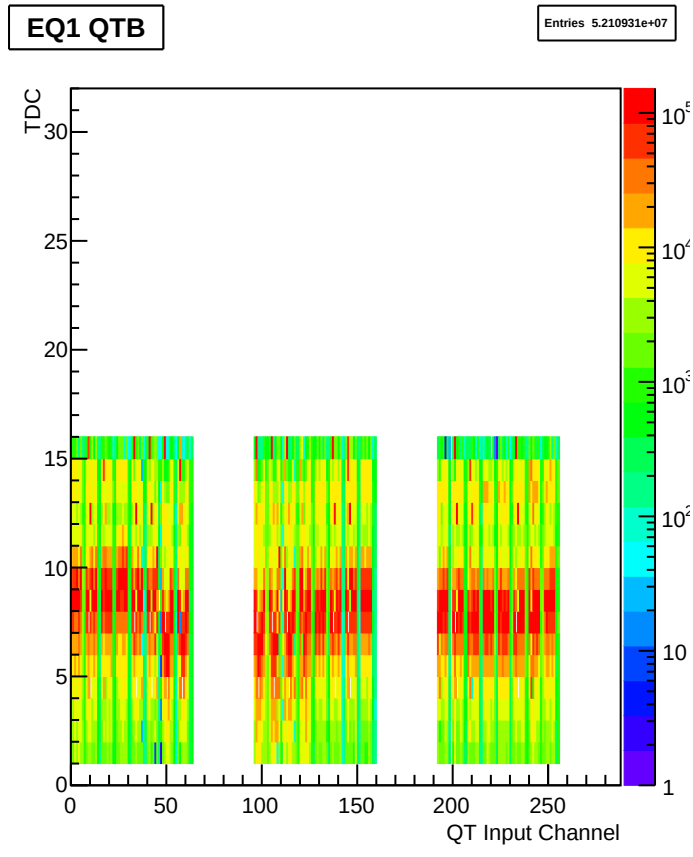

BBQ-VP001 East
Entries 8935904
ADC
QT Input Channel

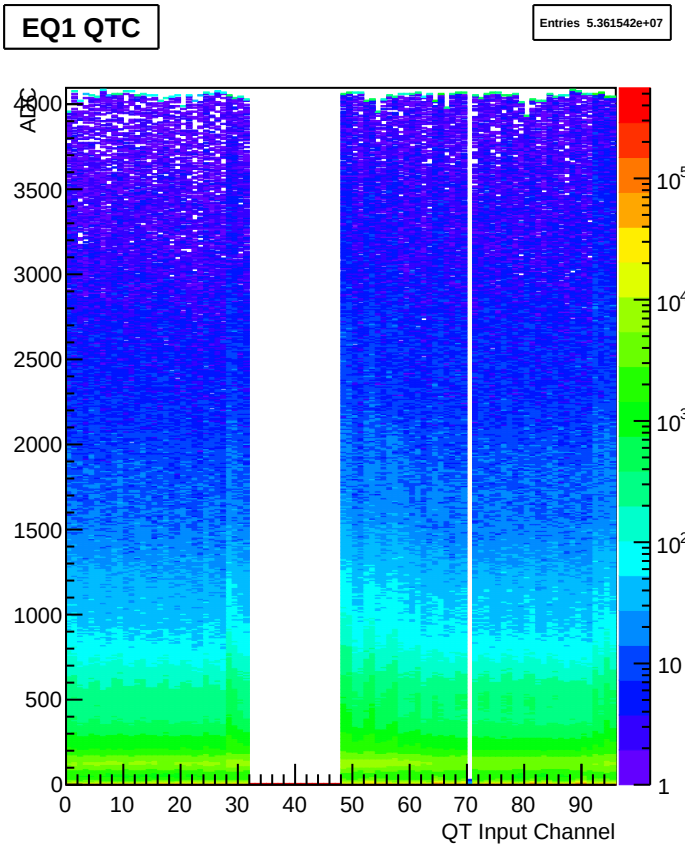

BBQ-VP001 East
Entries 8935904
TADC
QT Input Channel

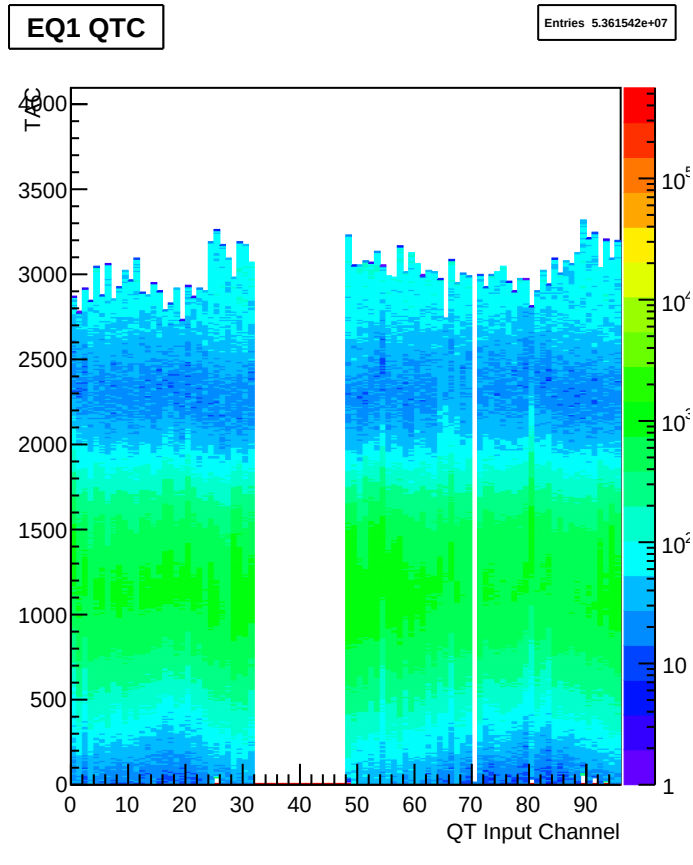

BBQ-VP002 West
Entries 8935904
ADC
QT Input Channel

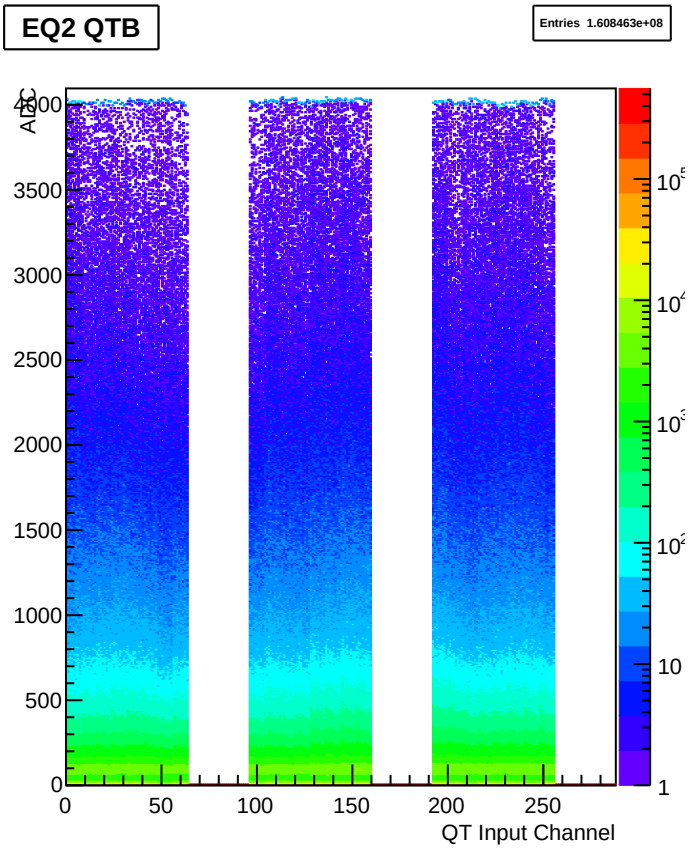

BBQ-VP002 West
Entries 8935904
TADC
QT Input Channel

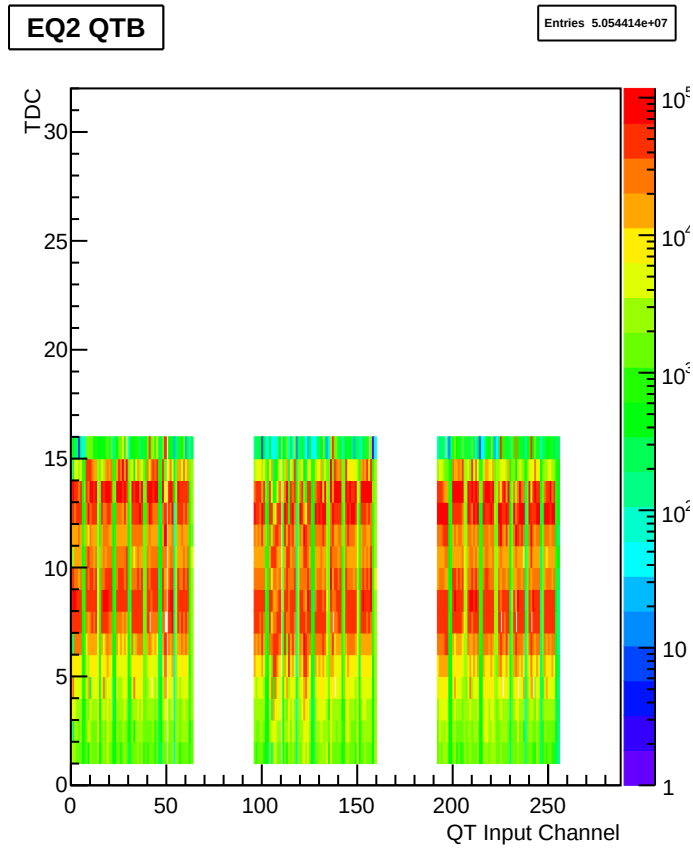

EQ1 QTB
Entries 1.608463e+08
ADC
QT Input Channel

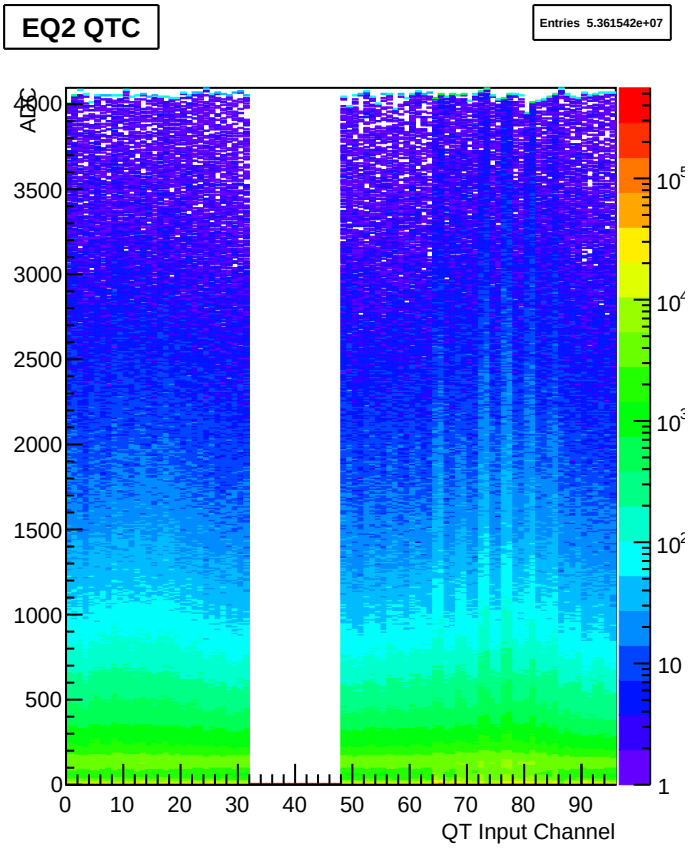

EQ1 QTB
Entries 5.210931e+07
TDC
QT Input Channel

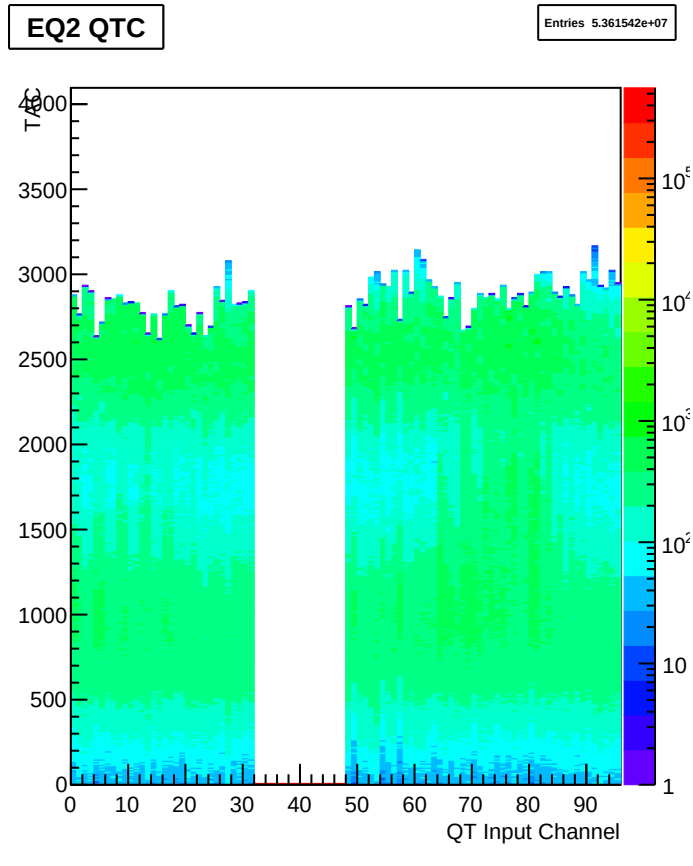

EQ1 QTC
Entries 5.361542e+07
ADC
QT Input Channel

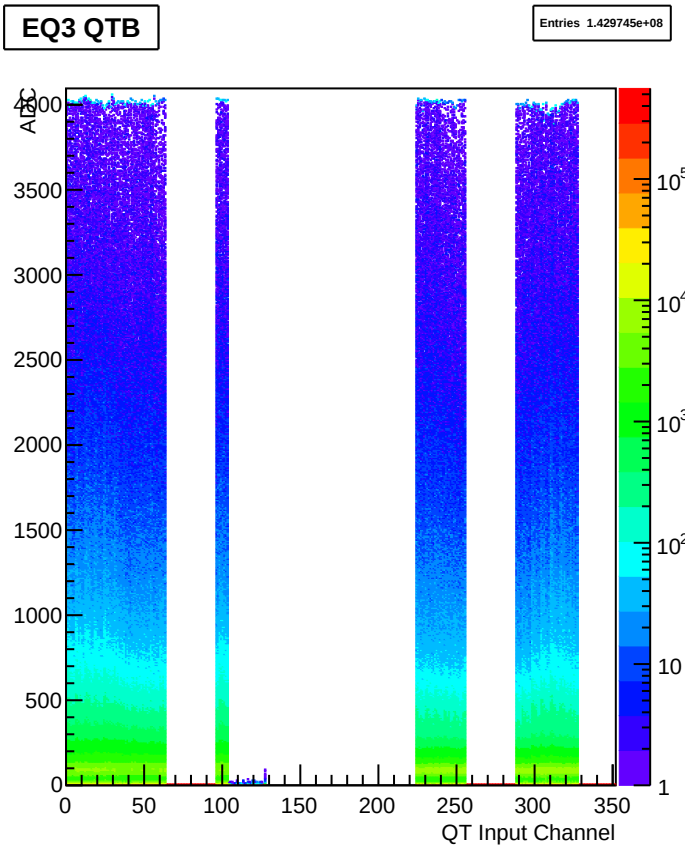

EQ1 QTC
Entries 5.361542e+07
TADC
QT Input Channel

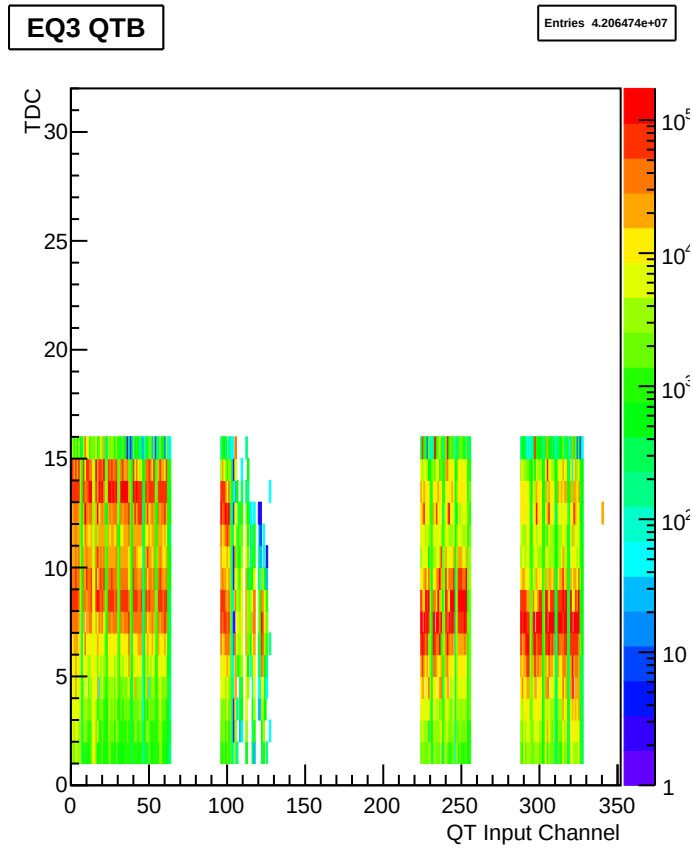

EQ2 QTB
Entries 1.608463e+08
ADC
QT Input Channel

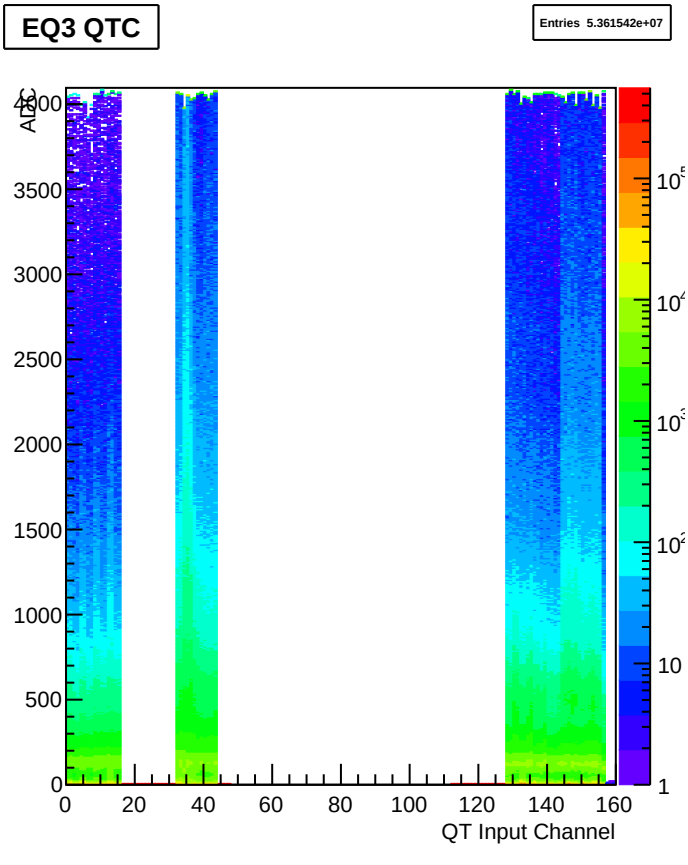

EQ2 QTB
Entries 5.054414e+07
TDC
QT Input Channel

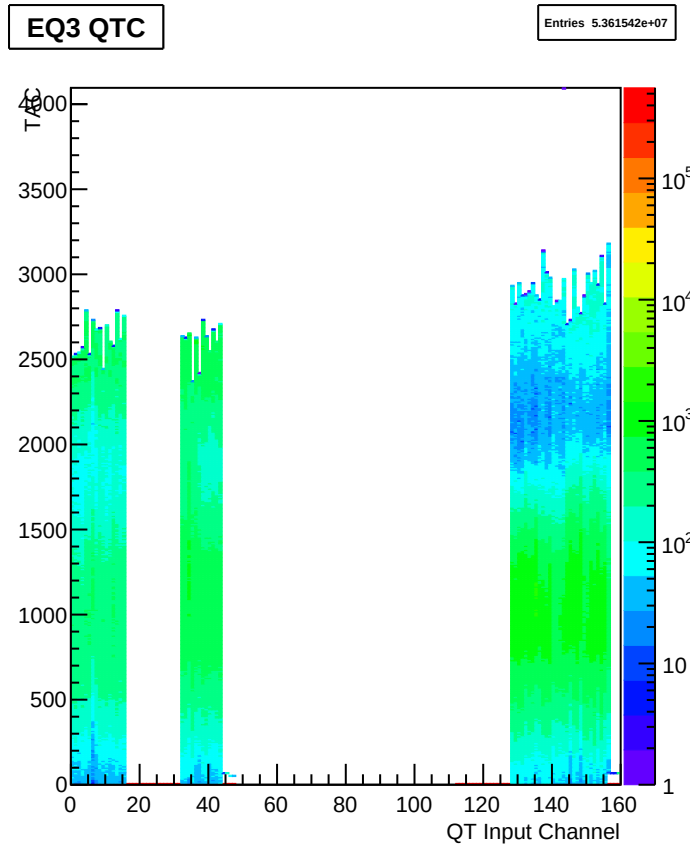

EQ2 QTC
Entries 5.361542e+07
ADC
QT Input Channel

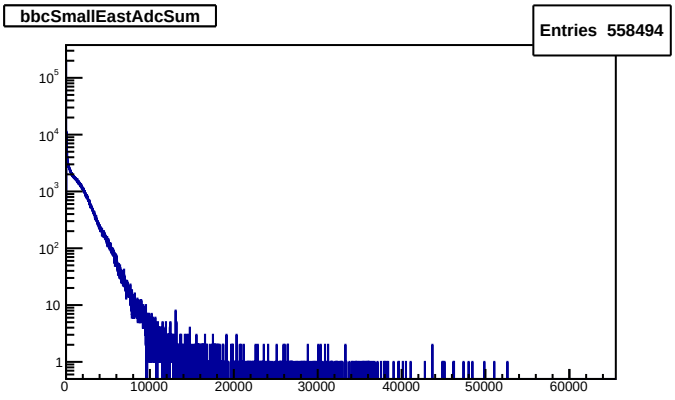

EQ2 QTC
Entries 5.361542e+07
TADC
QT Input Channel

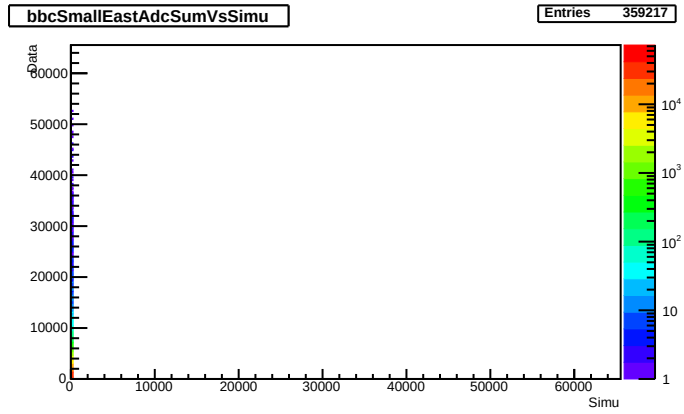

EQ3 QTB
Entries 1.429745e+08
ADC
QT Input Channel

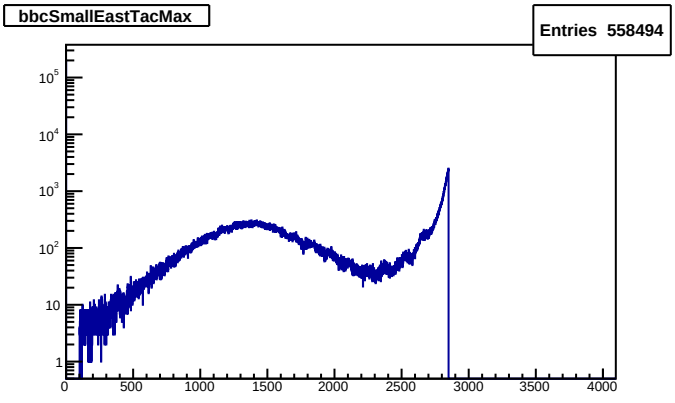

EQ3 QTB
Entries 4.206474e+07
TDC
QT Input Channel

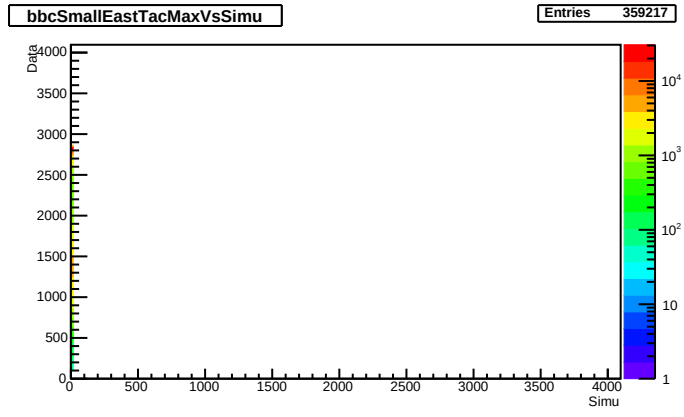

EQ3 QTC
Entries 5.361542e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.361542e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 558494


bbcSmallEastAdcSumVsSimu
Entries 359217
Data
Simu


bbcSmallEastTacMax
Entries 558494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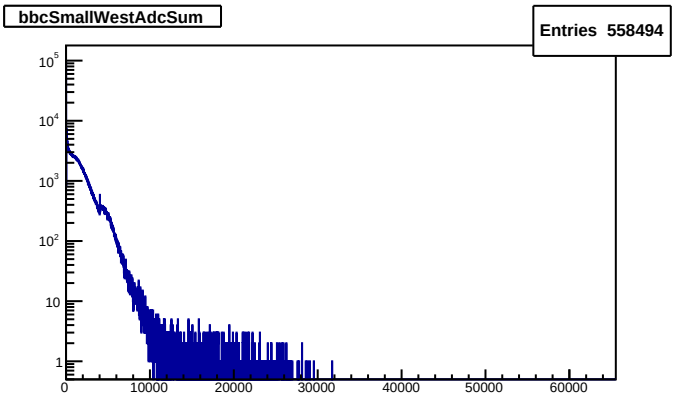
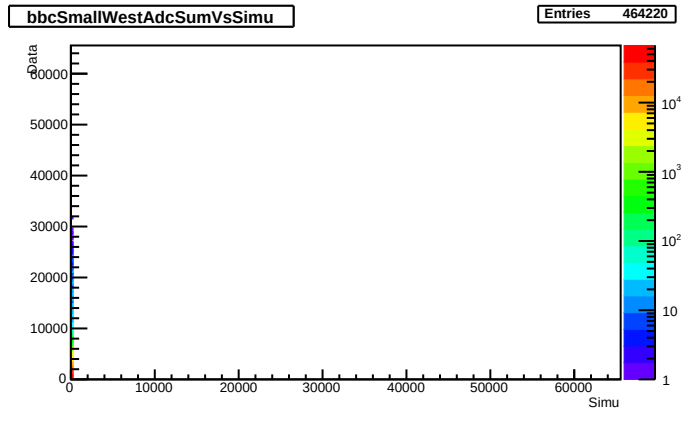
Entries 359217
Data
Simu


bbcSmallWestAdcSum
Entries 558494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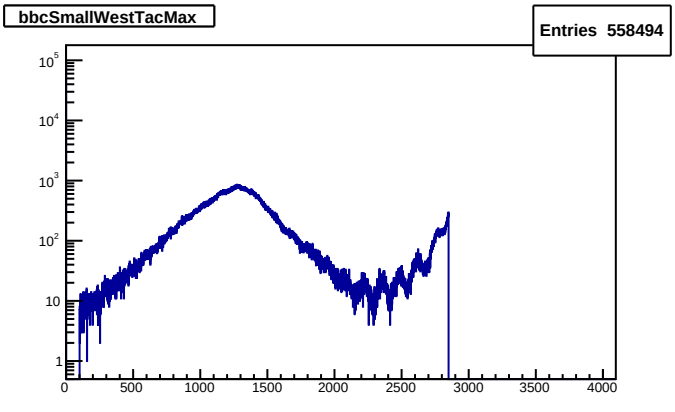
Entries 464220
Data
Simu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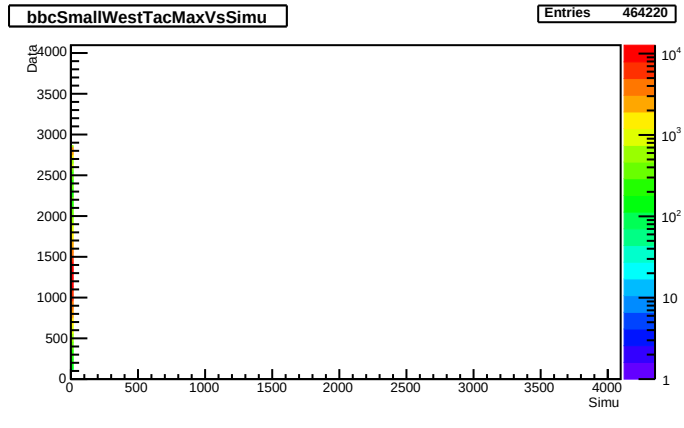
Entries 558494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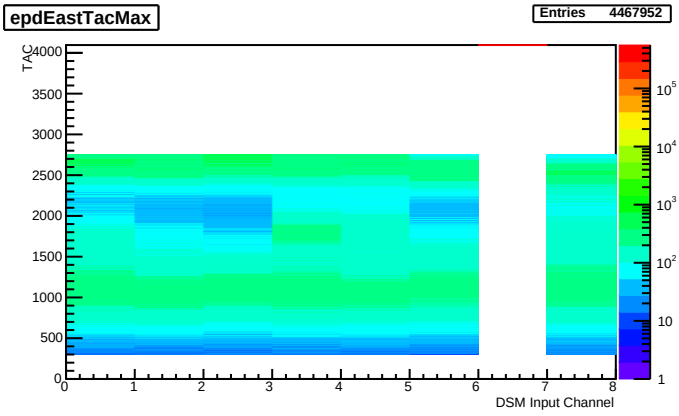
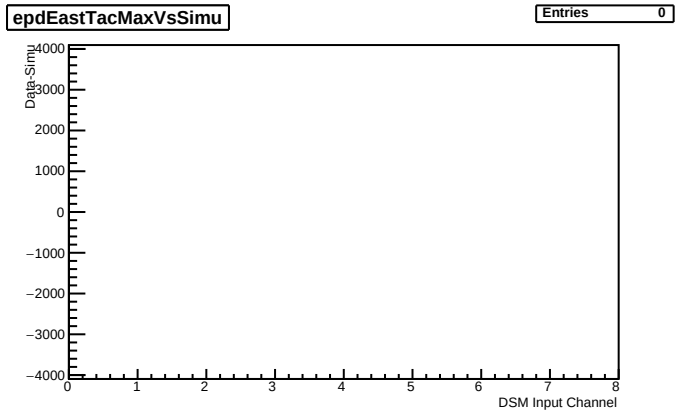
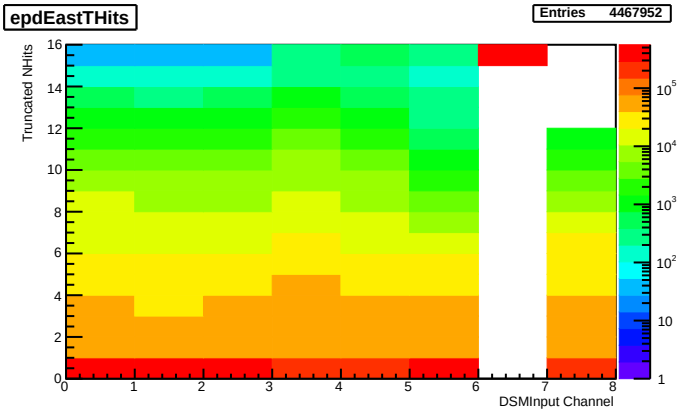
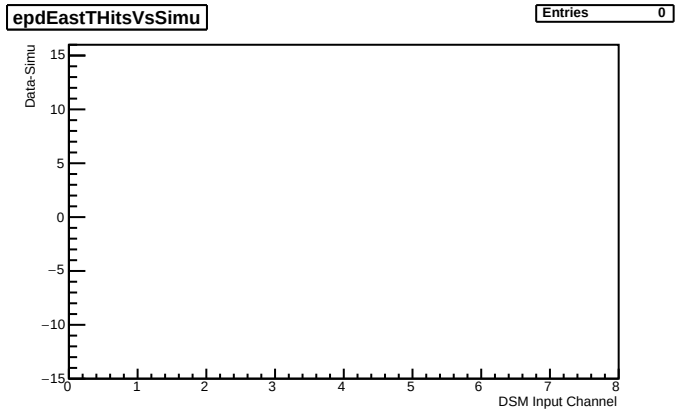
Entries 464220
Data
Simu


epdEastTacMax
Entries 4467952
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4467952
Truncated NHits
DSMInput Channel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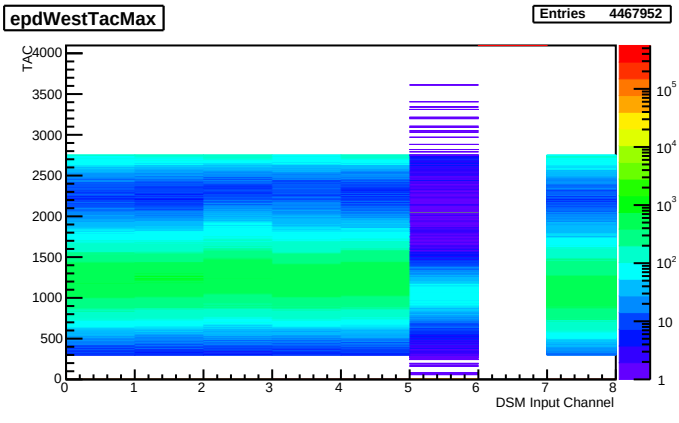
Data-Simu
DSM Input Channel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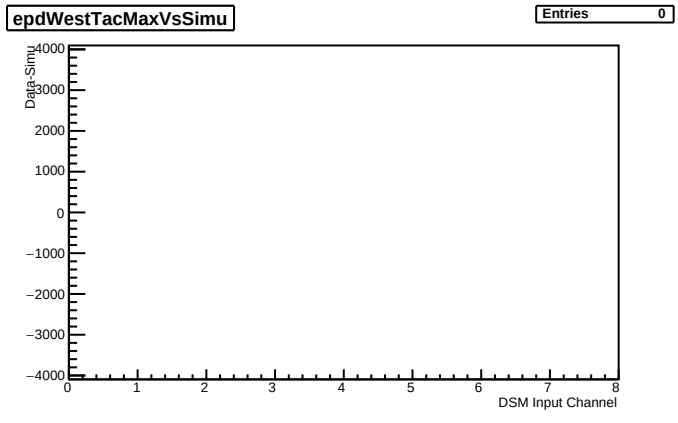
Entries 4467952
TAC
DSM Input Channel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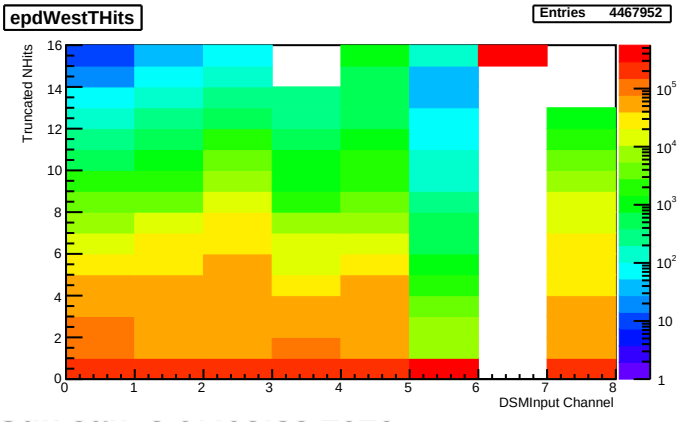
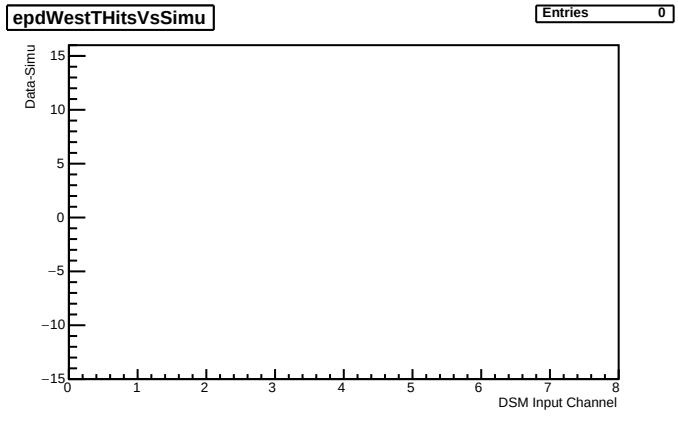
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4467952
Truncated NHits
DSMInput Channel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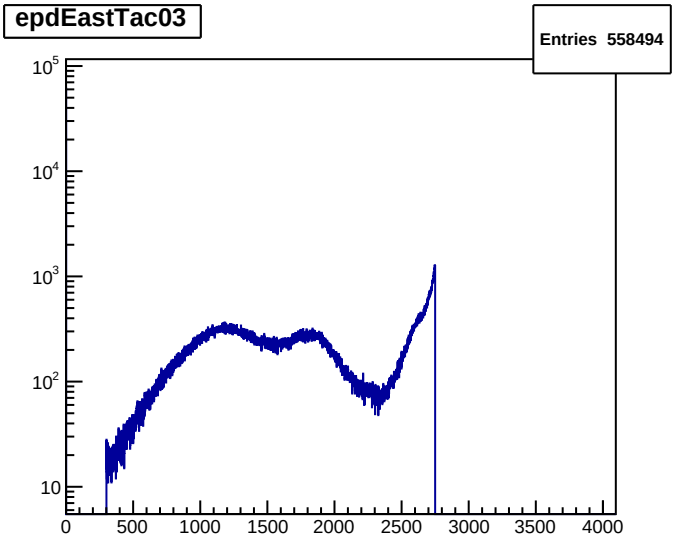
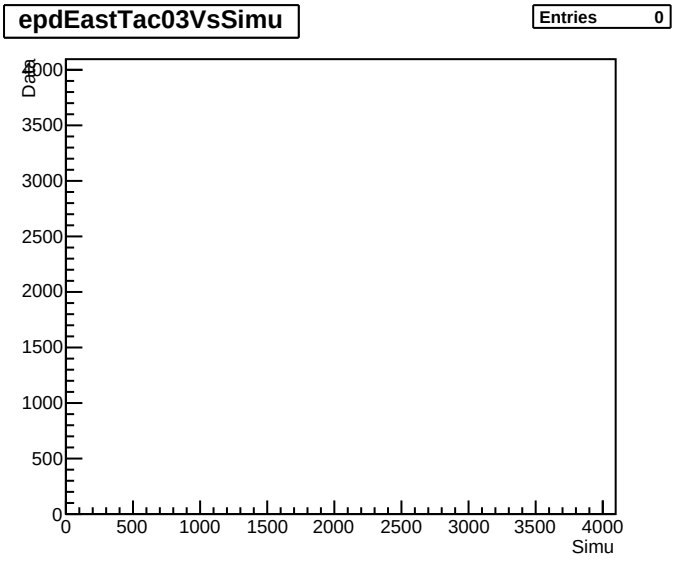
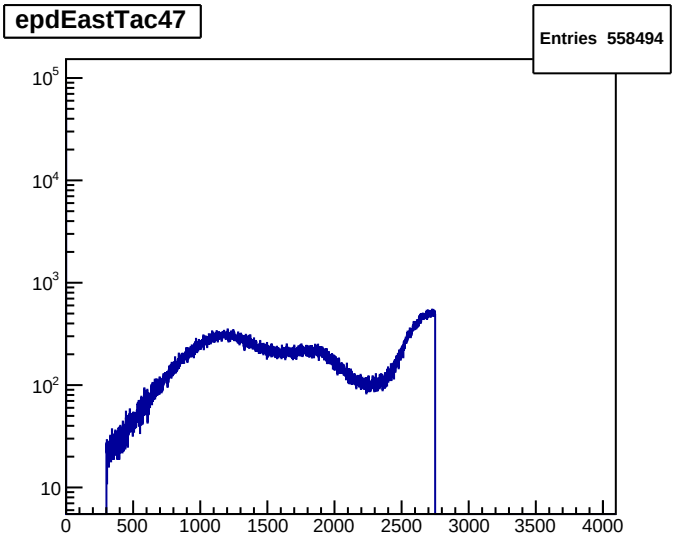
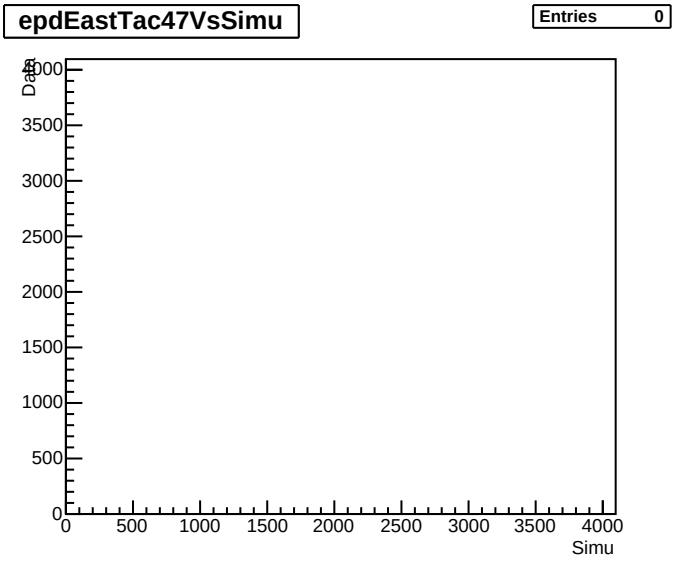
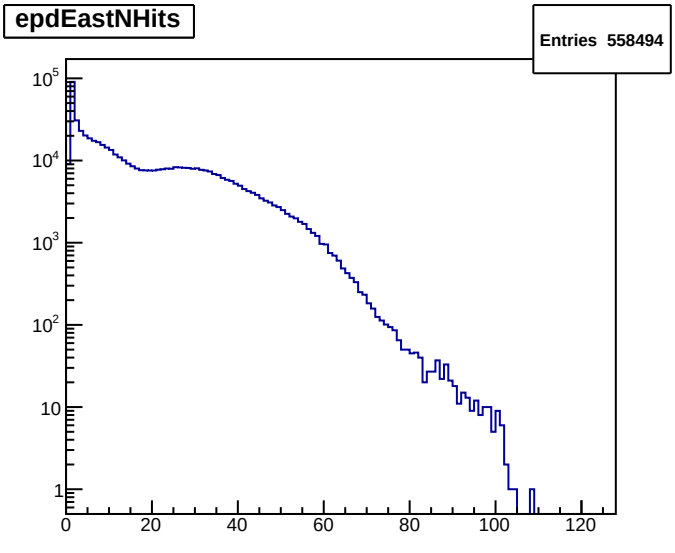
Entries 0
Data-Simu
DSM Input Channel

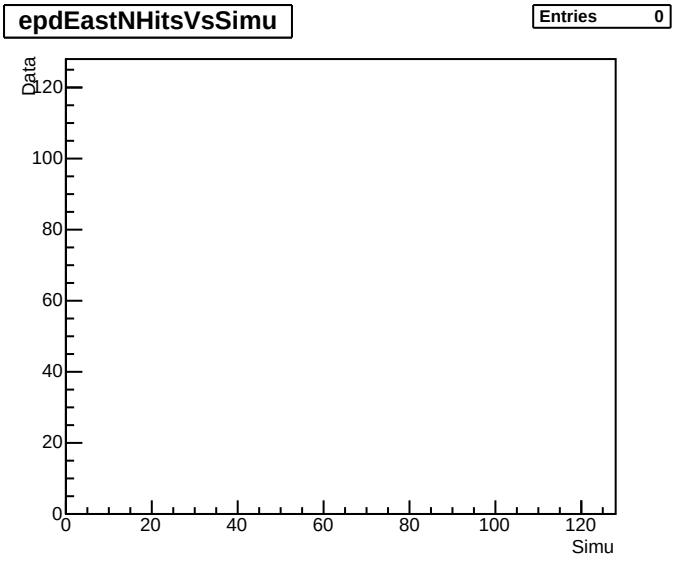

epdEastTac03
Entries 558494


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 558494


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 558494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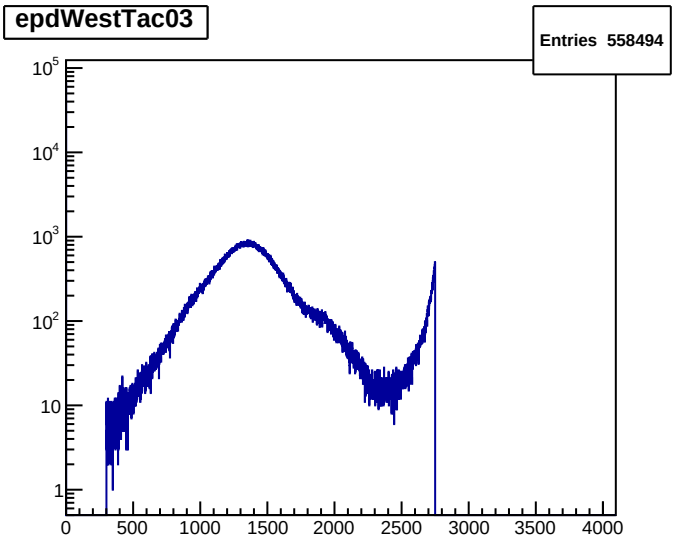
Entries 0
Data
Simu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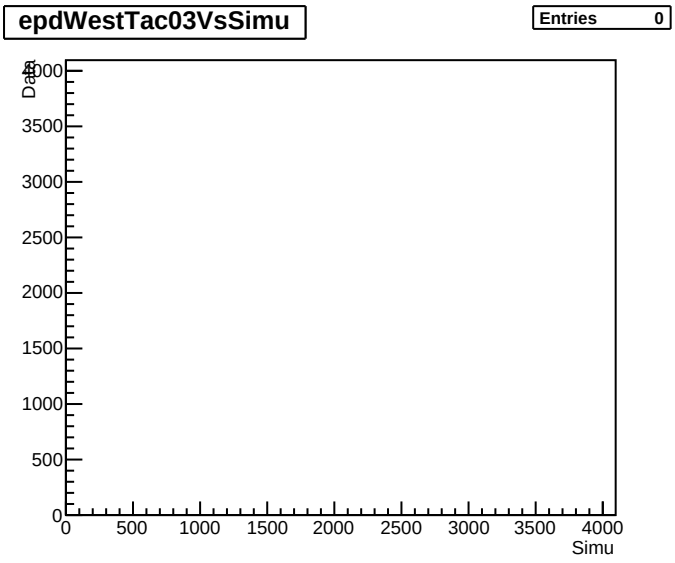
Entries 558494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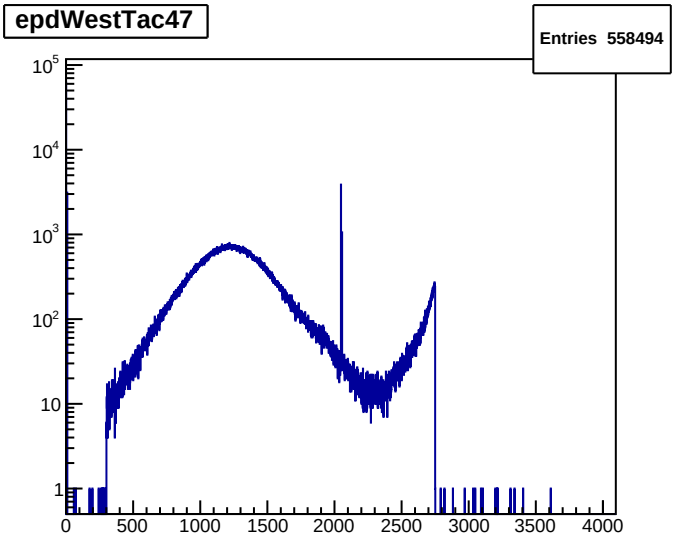
Entries 0
Data
Simu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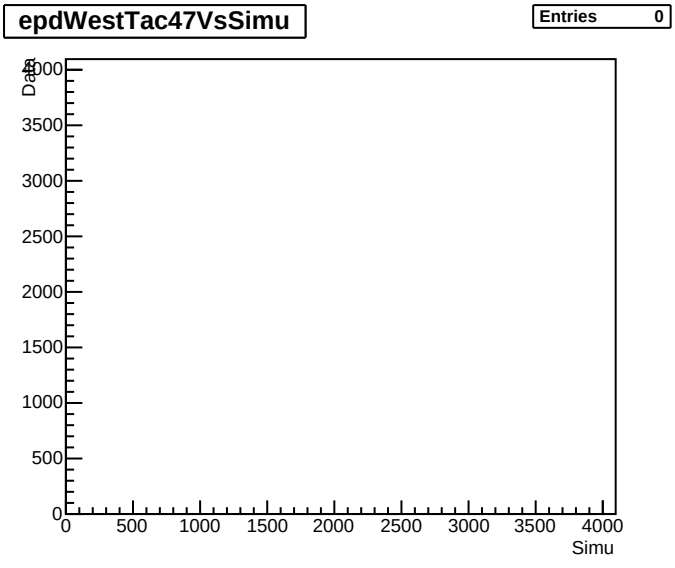
Entries 558494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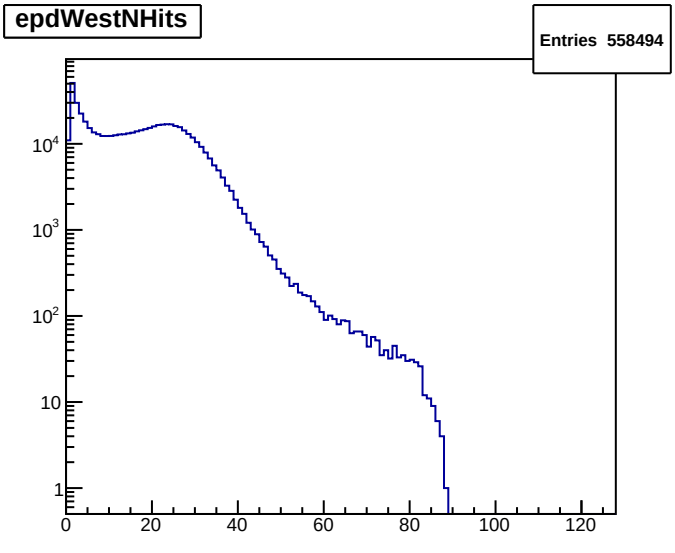
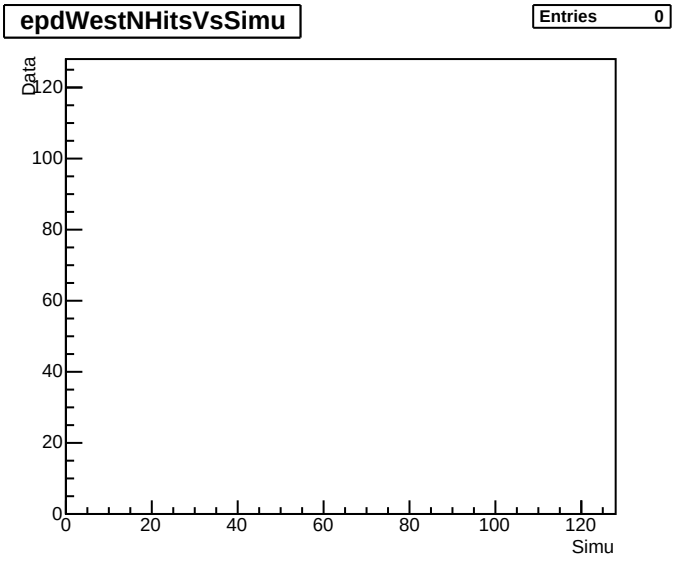
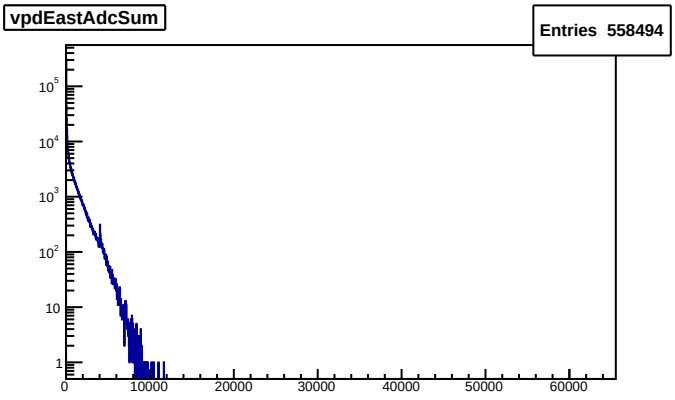
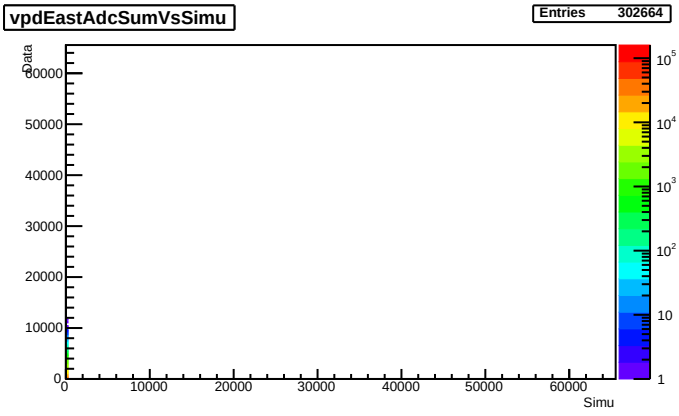
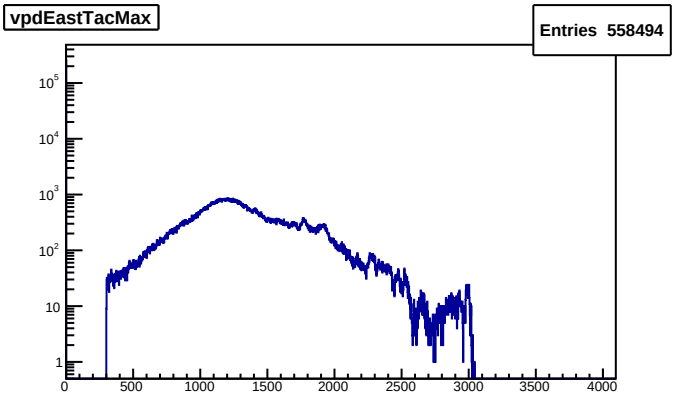
Entries 0
Data
Simu

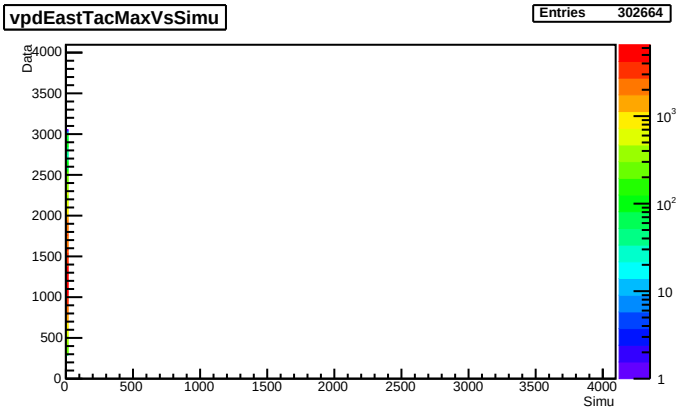

epdWestNHits
Entries 558494

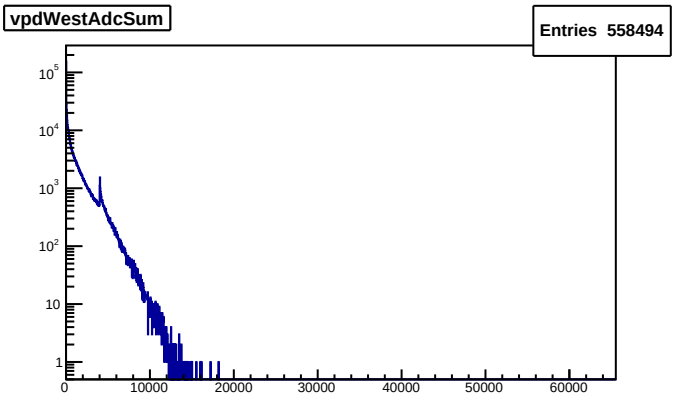

epdWestNHitsVsSimu
Entries 0
Data
Simu

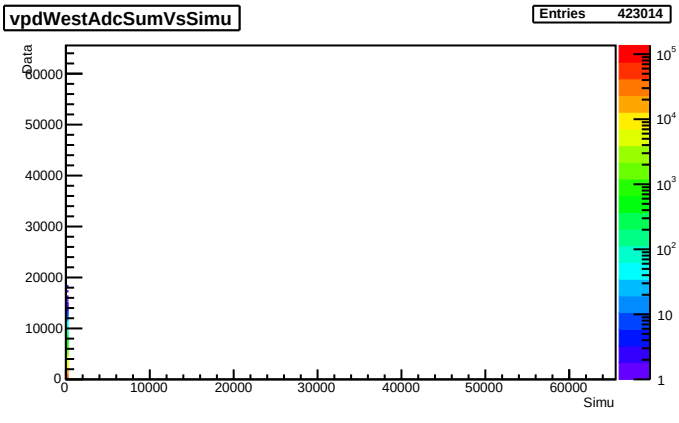

vpdEastAdcSum
Entries 558494

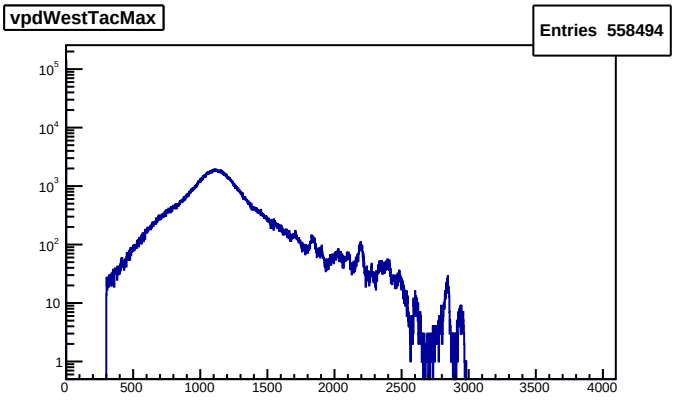

vpdEastAdcSumVsSimu
Entries 302664
Data
Simu

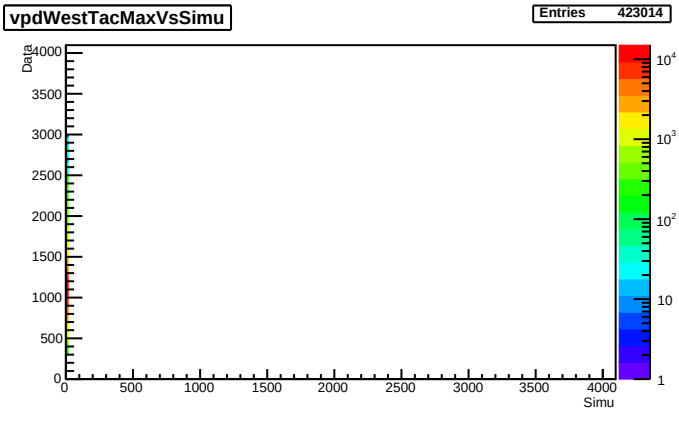

vpdEastTacMax
Entries 558494

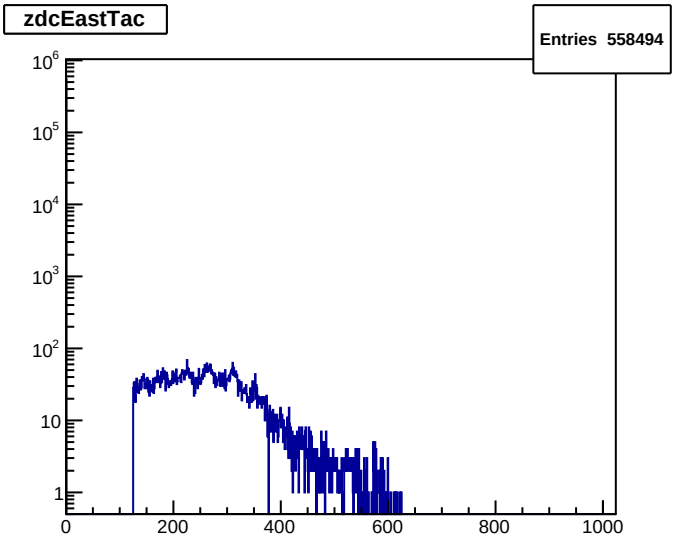

vpdEastTacMaxVsSimu
Entries 302664
Data
Simu

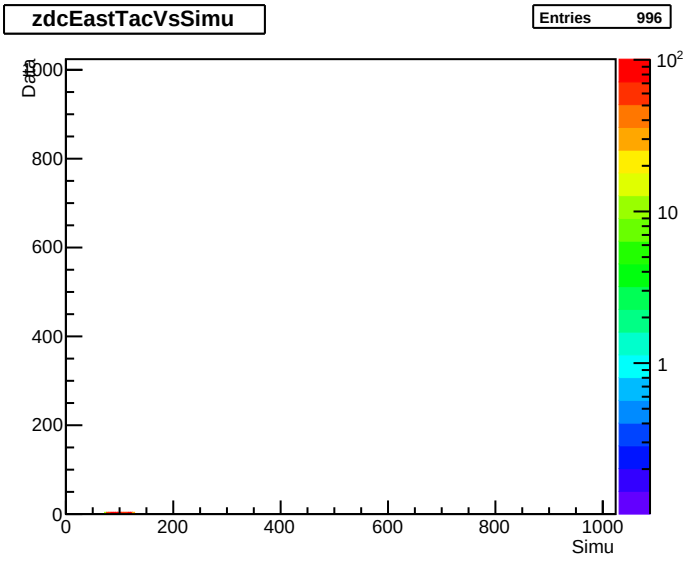

vpdWestAdcSum
Entries 558494

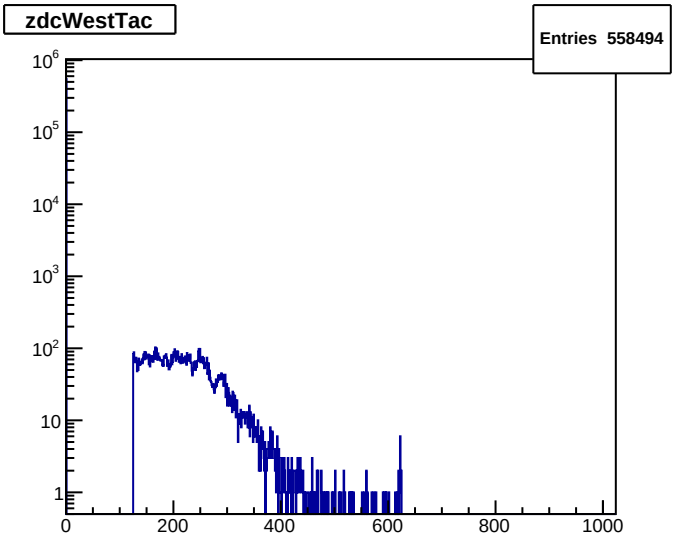

vpdWestAdcSumVsSimu
Entries 423014
Data
Simu

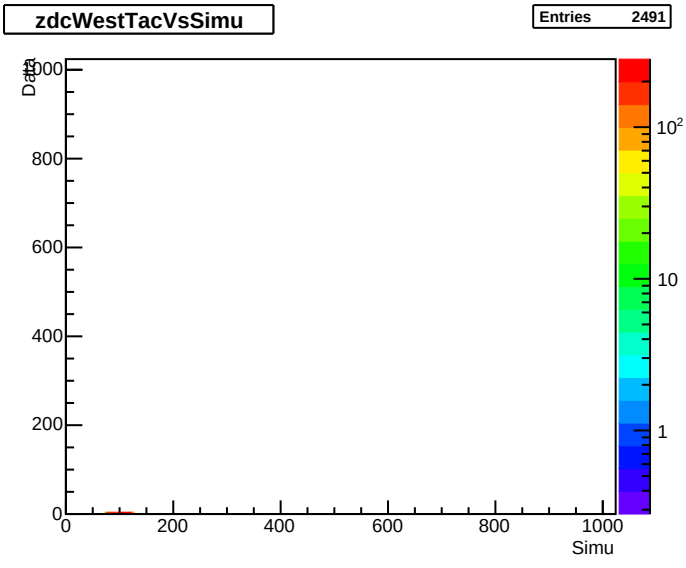

vpdWestTacMax
Entries 558494

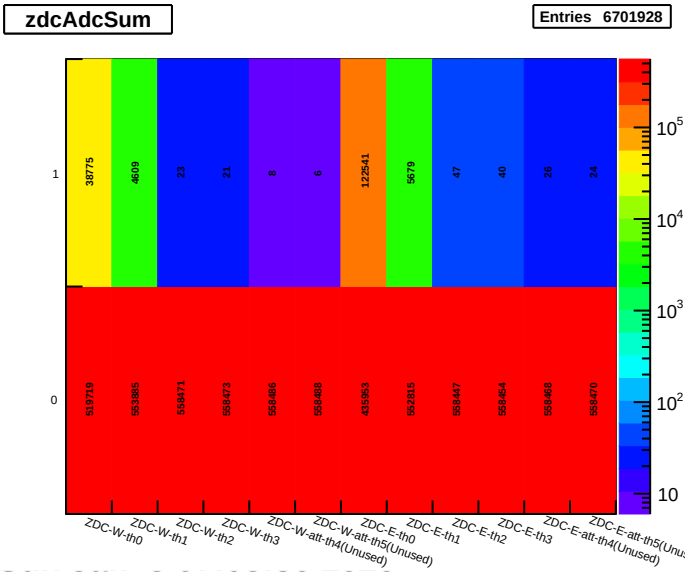

vpdWestTacMaxVsSimu
Entries 423014
Data
Simu

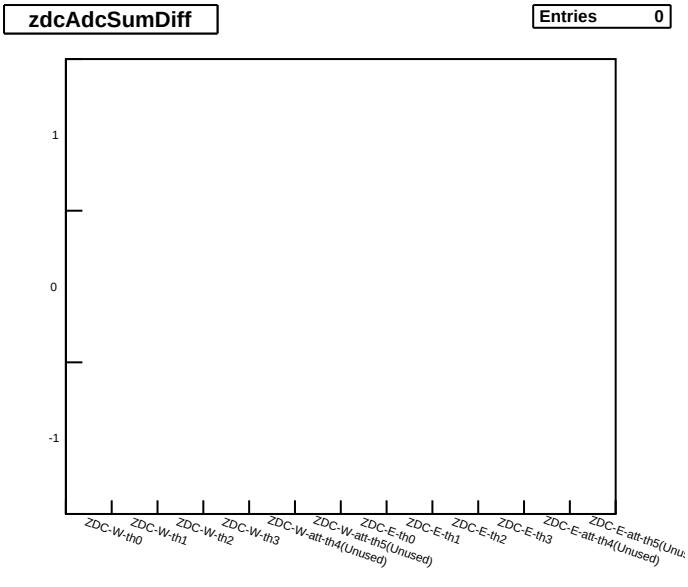

zdcEastTac
Entries 558494

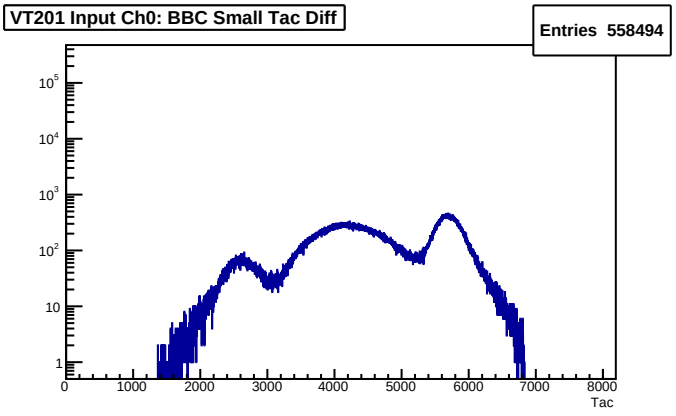

zdcEastTacVsSimu
Entries 996
Data
Simu

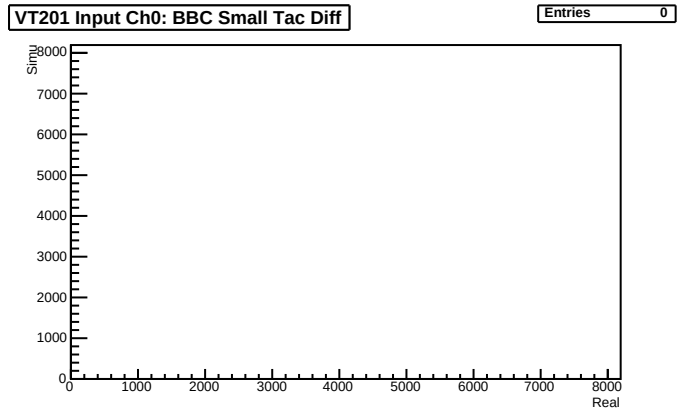

zdcWestTac
Entries 558494

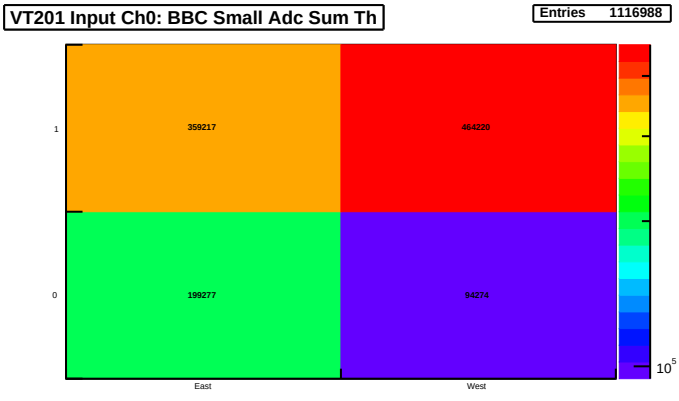

zdcWestTacVsSimu
Entries 2491
Data
Simu

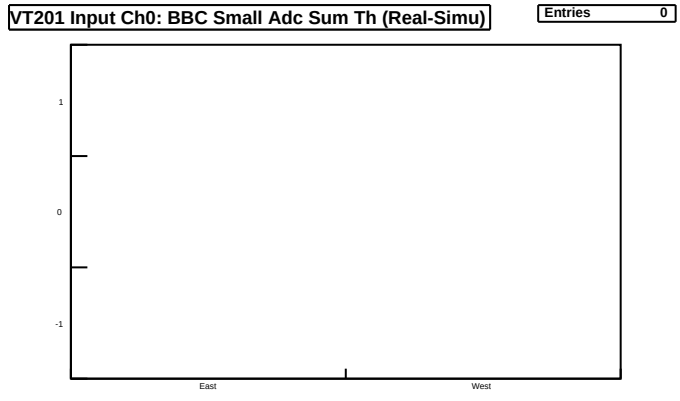

zdcAdcSum
Entries 6701928
38775
4609
23
21
8
6
122541
5679
47
40
26
24
519719
553885
558471
558473
558486
558488
435563
552815
558447
558454
558468
558470
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

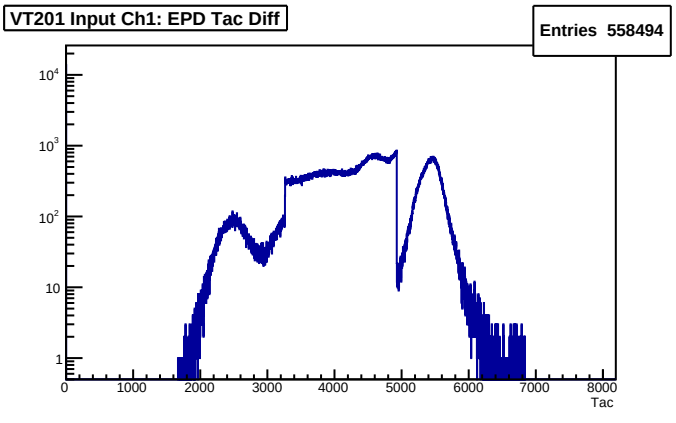

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

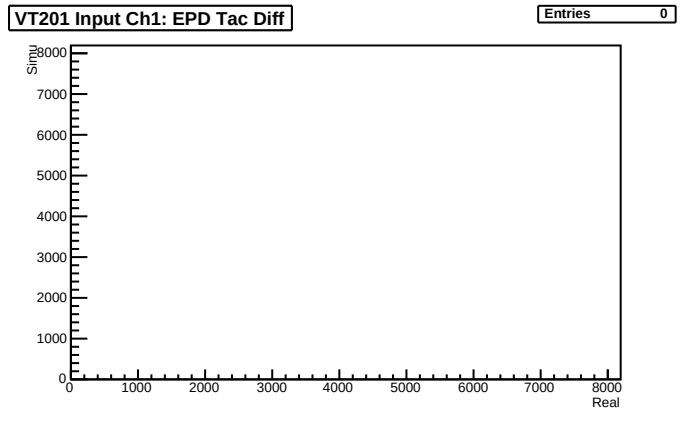

VT201 Input Ch0: BBC Small Tac Diff
Entries 558494
Tac

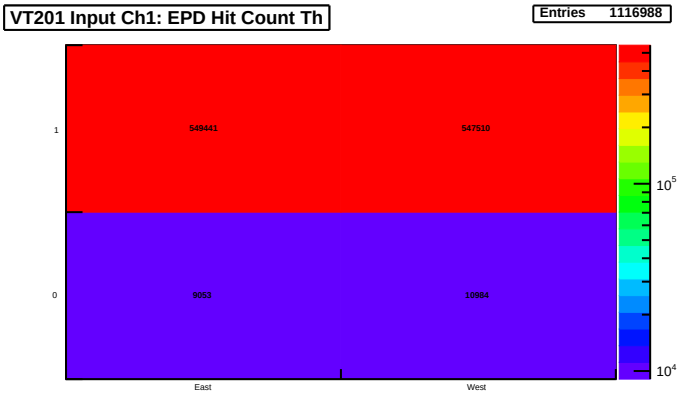

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

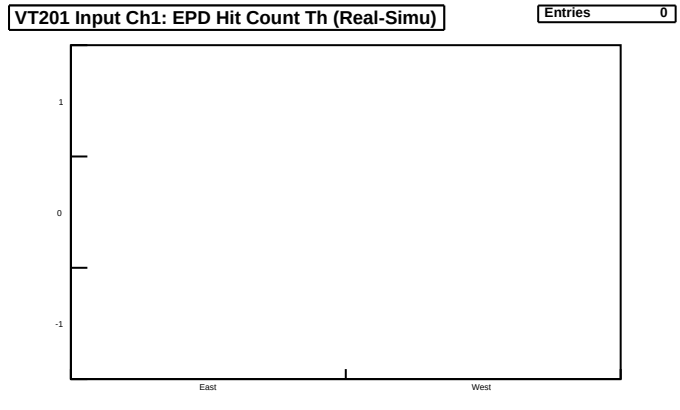

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1116988
359217
464220
199277
94274
East
West

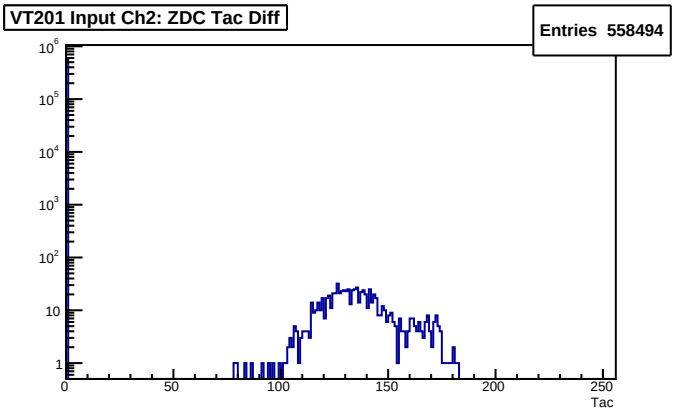

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

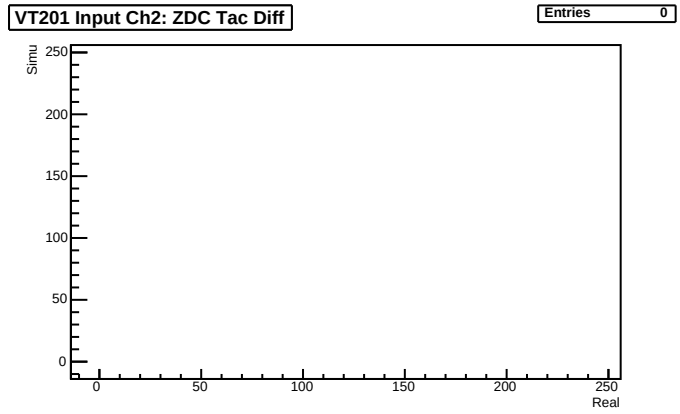

VT201 Input Ch1: EPD Tac Diff
Entries 558494
Tac

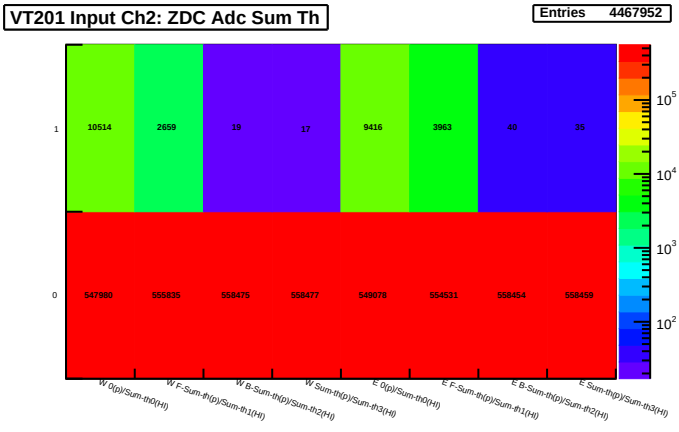

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

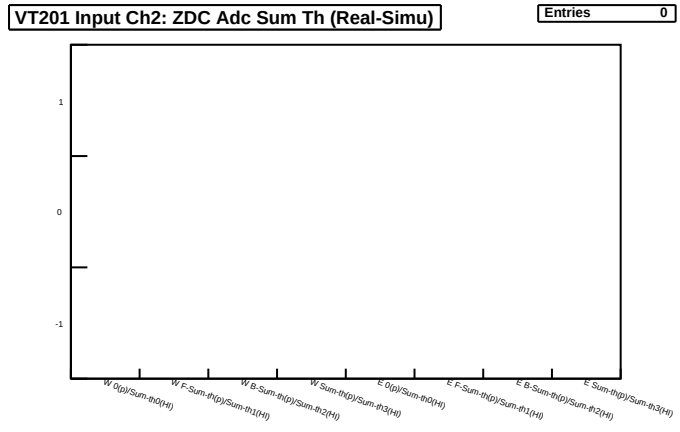

VT201 Input Ch1: EPD Hit Count Th
Entries 1116988
549441
547510
9053
10984
East
West

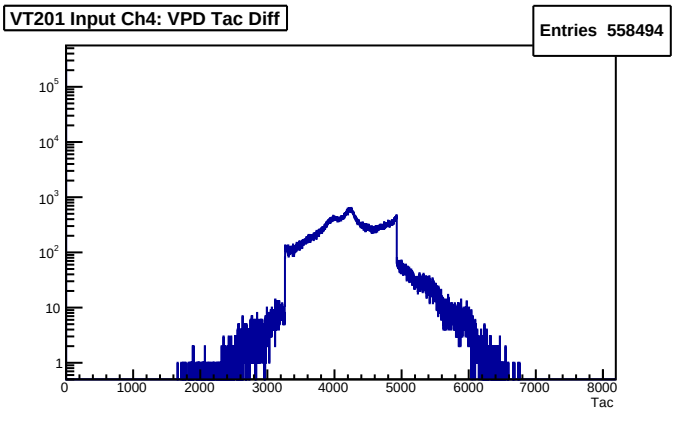

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

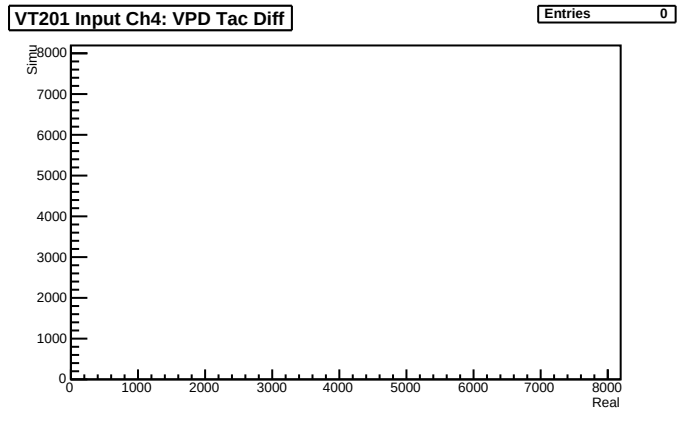

VT201 Input Ch2: ZDC Tac Diff
Entries 558494
Tac

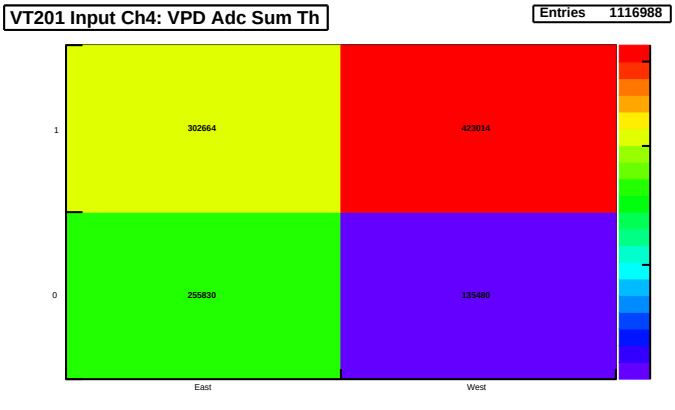

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

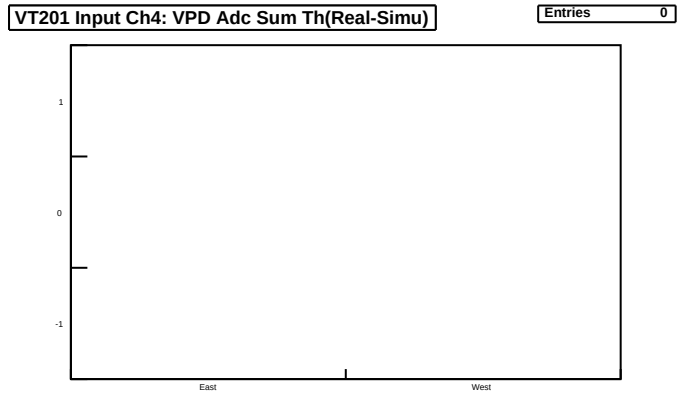

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4467952
10514
2659
19
17
9416
3963
40
35
547980
555835
558475
558477
549078
554531
558454
558459
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

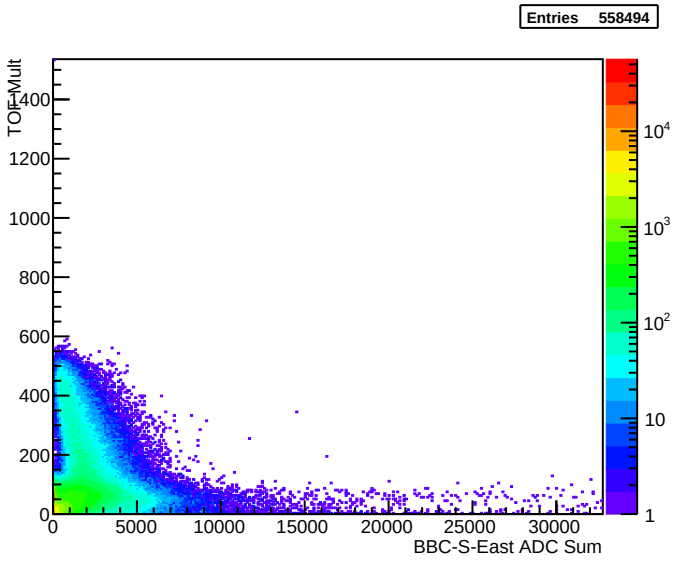

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

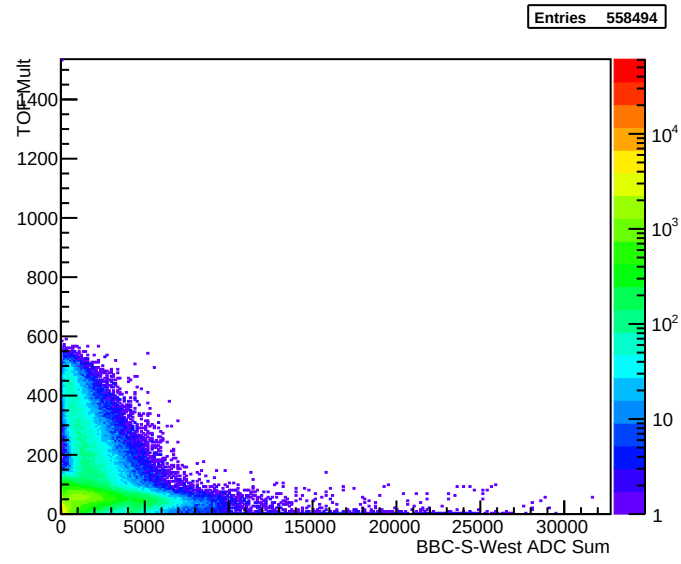

VT201 Input Ch4: VPD Tac Diff
Entries 558494
Tac

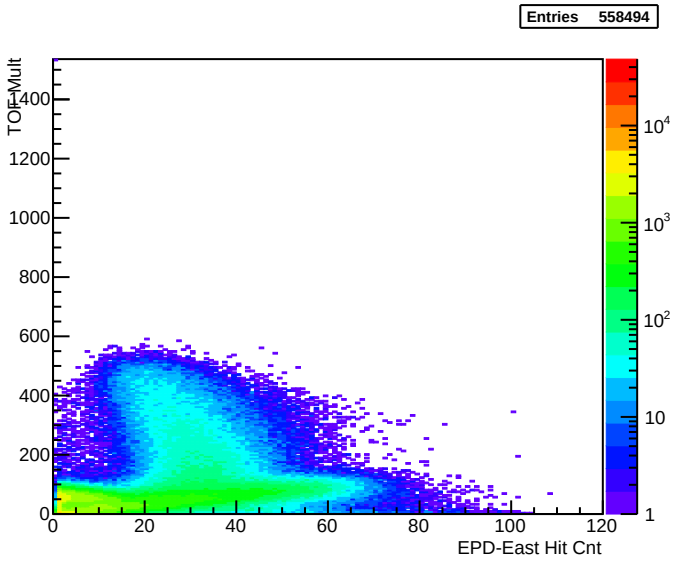

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

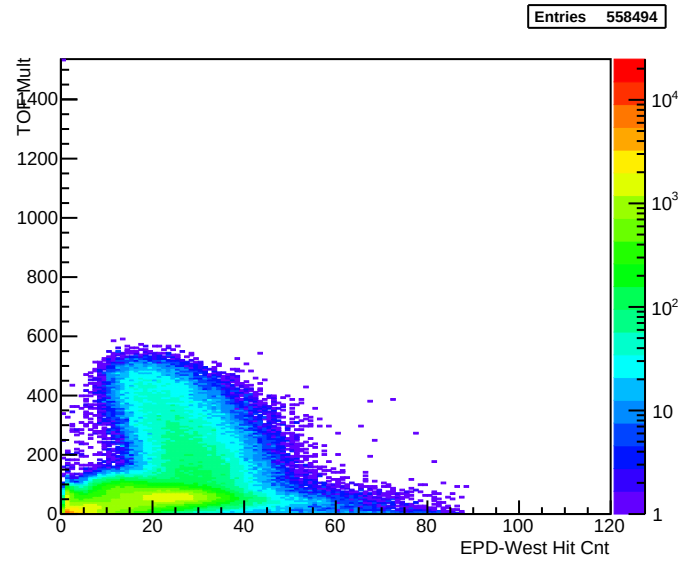

VT201 Input Ch4: VPD Adc Sum Th
Entries 1116988
302664
423014
255830
135480
East
West

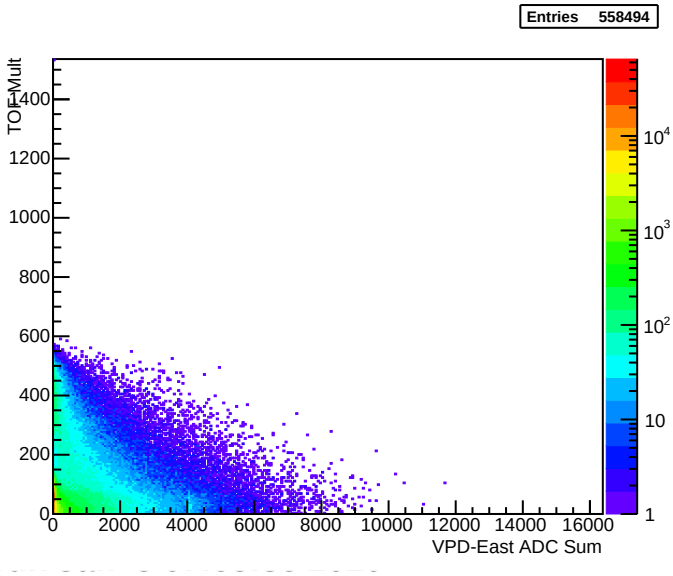

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

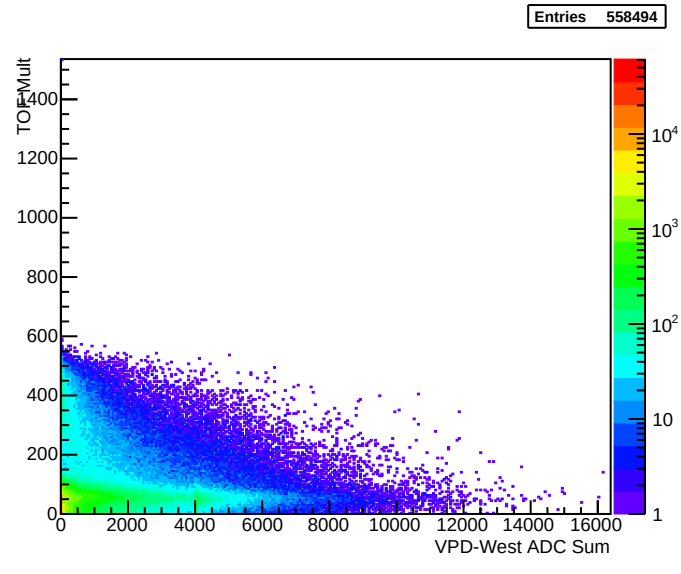

Entries 558494
TOF-Mult
BBC-S-East ADC Sum

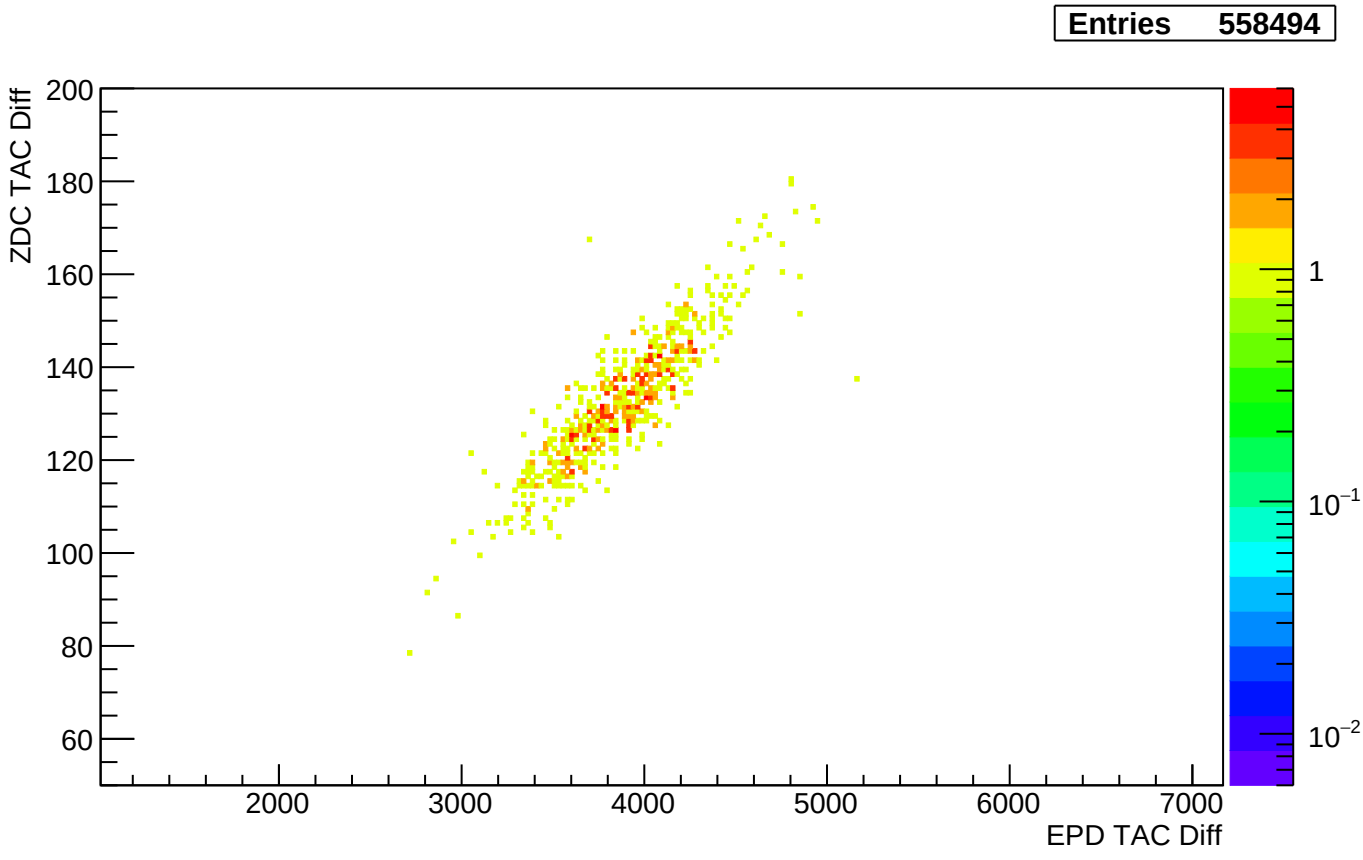

Entries 558494
TOF-Mult
BBC-S-West ADC Sum

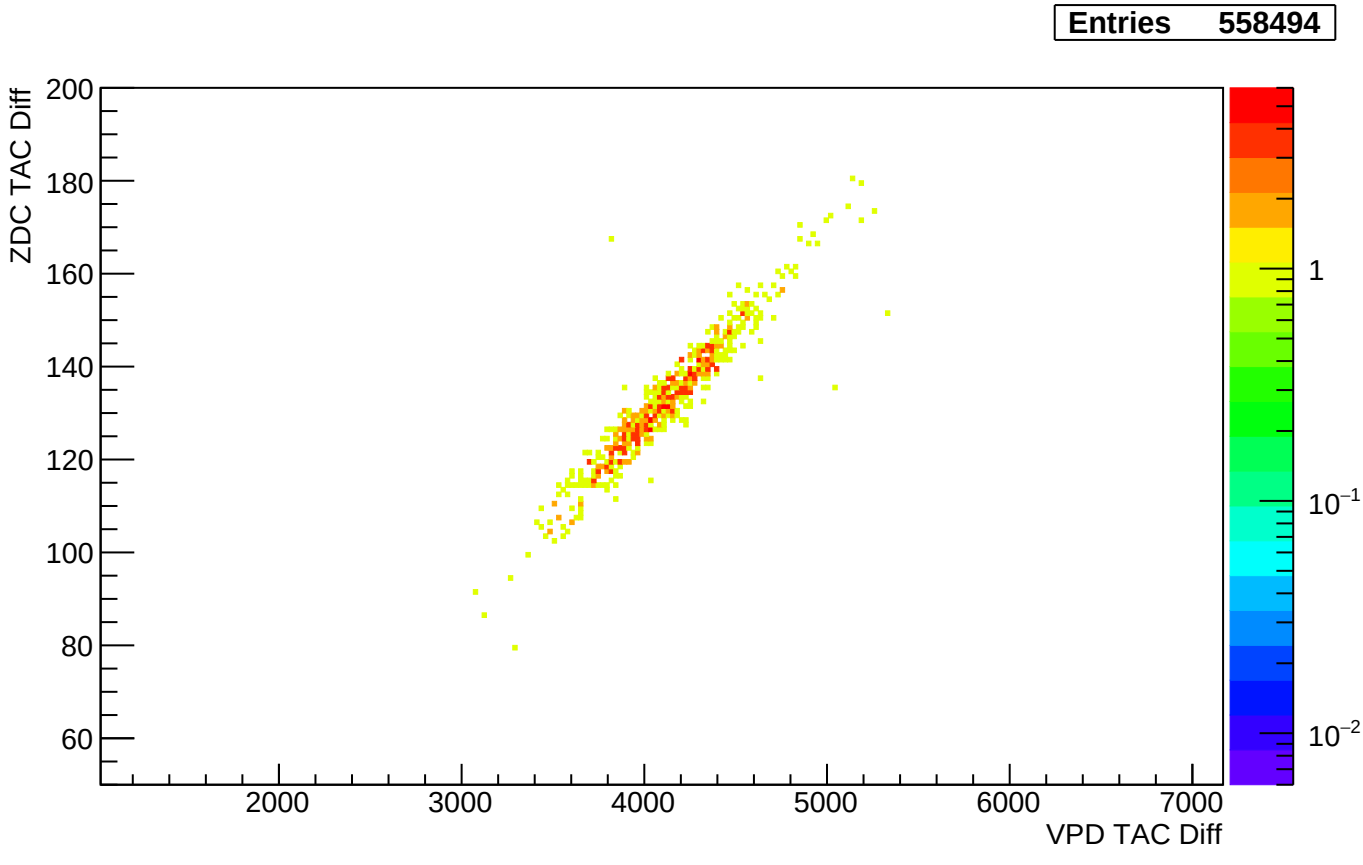

Entries 558494
TOF-Mult
EPD-East Hit Cnt

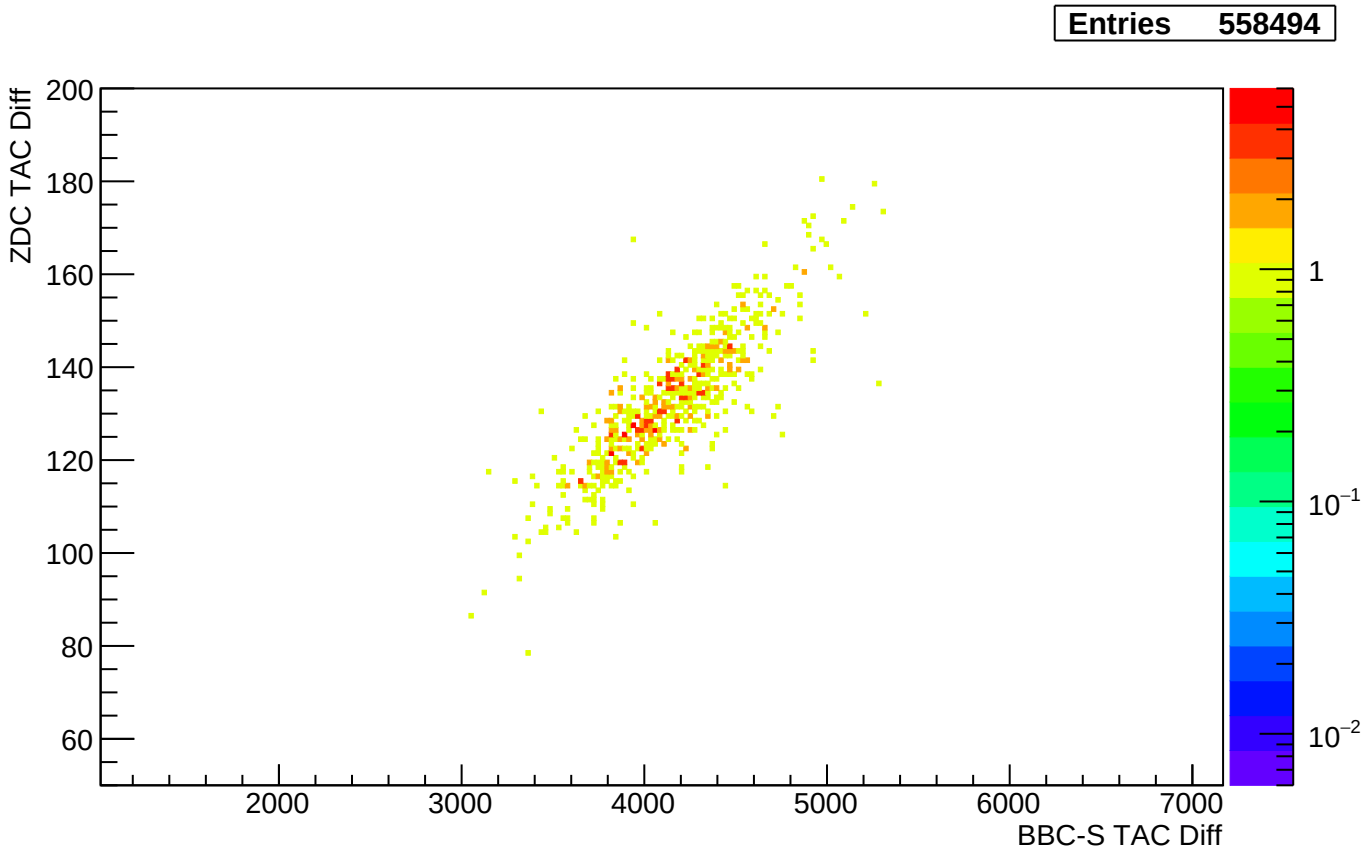

Entries 558494
TOF-Mult
EPD-West Hit Cnt

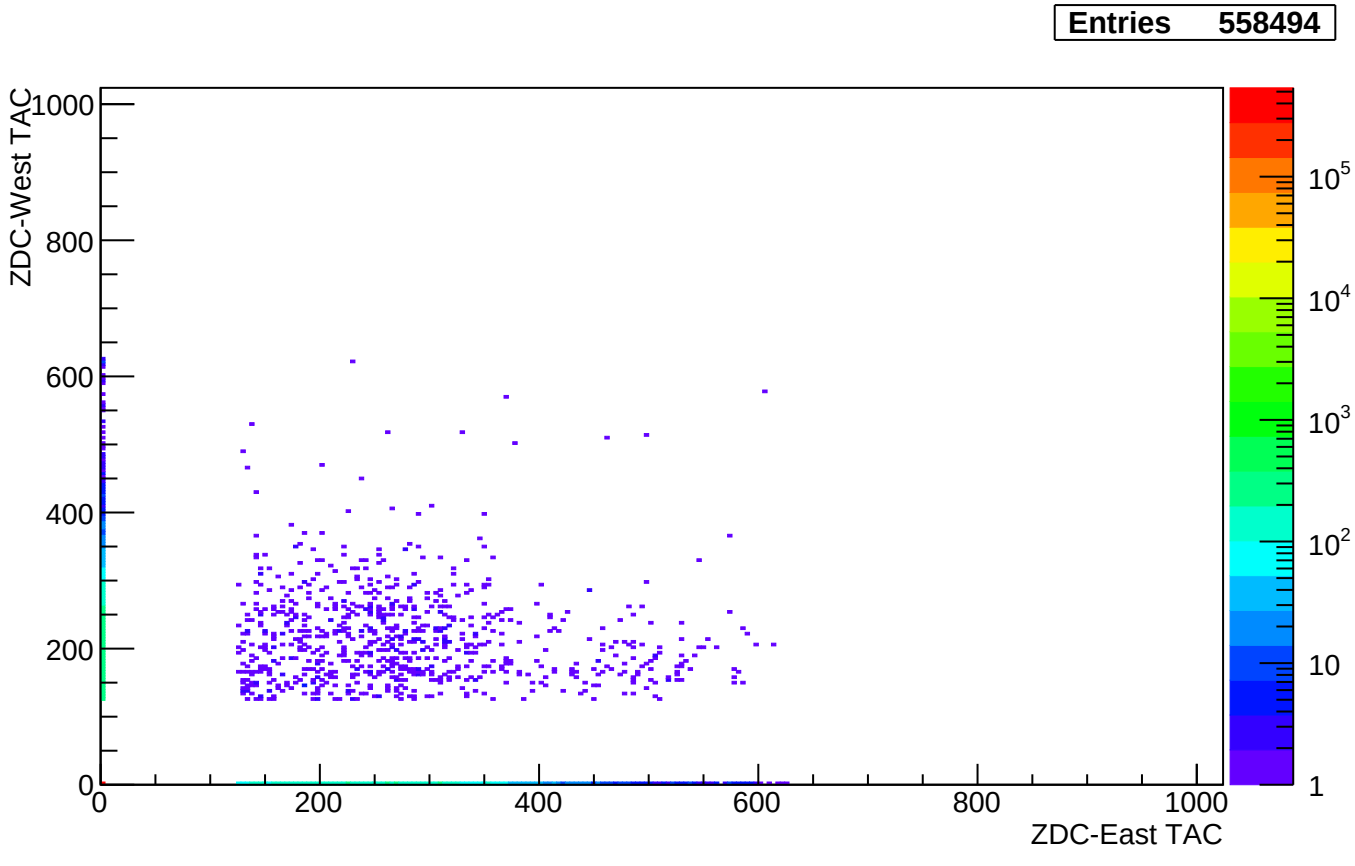

Entries 558494
TOF-Mult
VPD-East ADC Sum

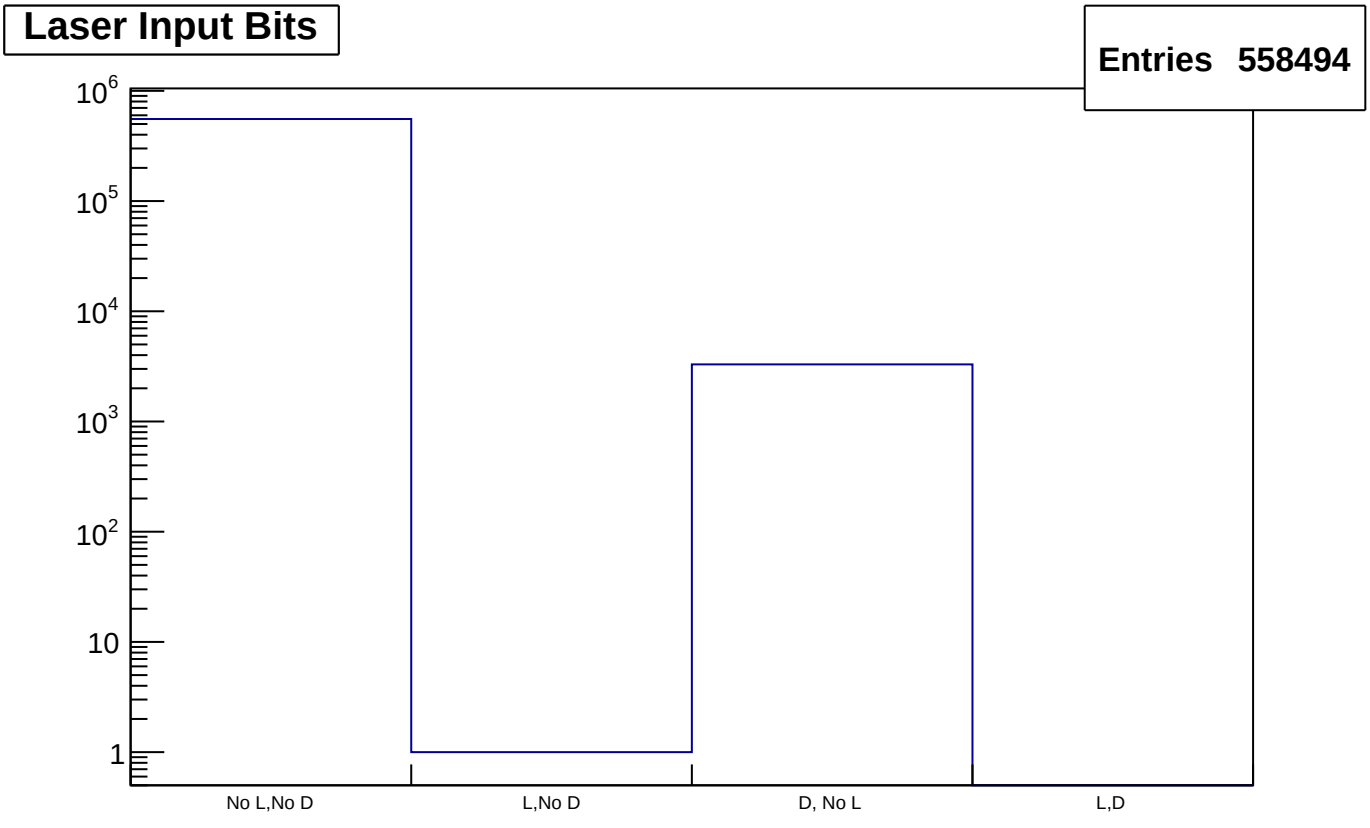

Entries 558494
TOF-Mult
VPD-West ADC Sum

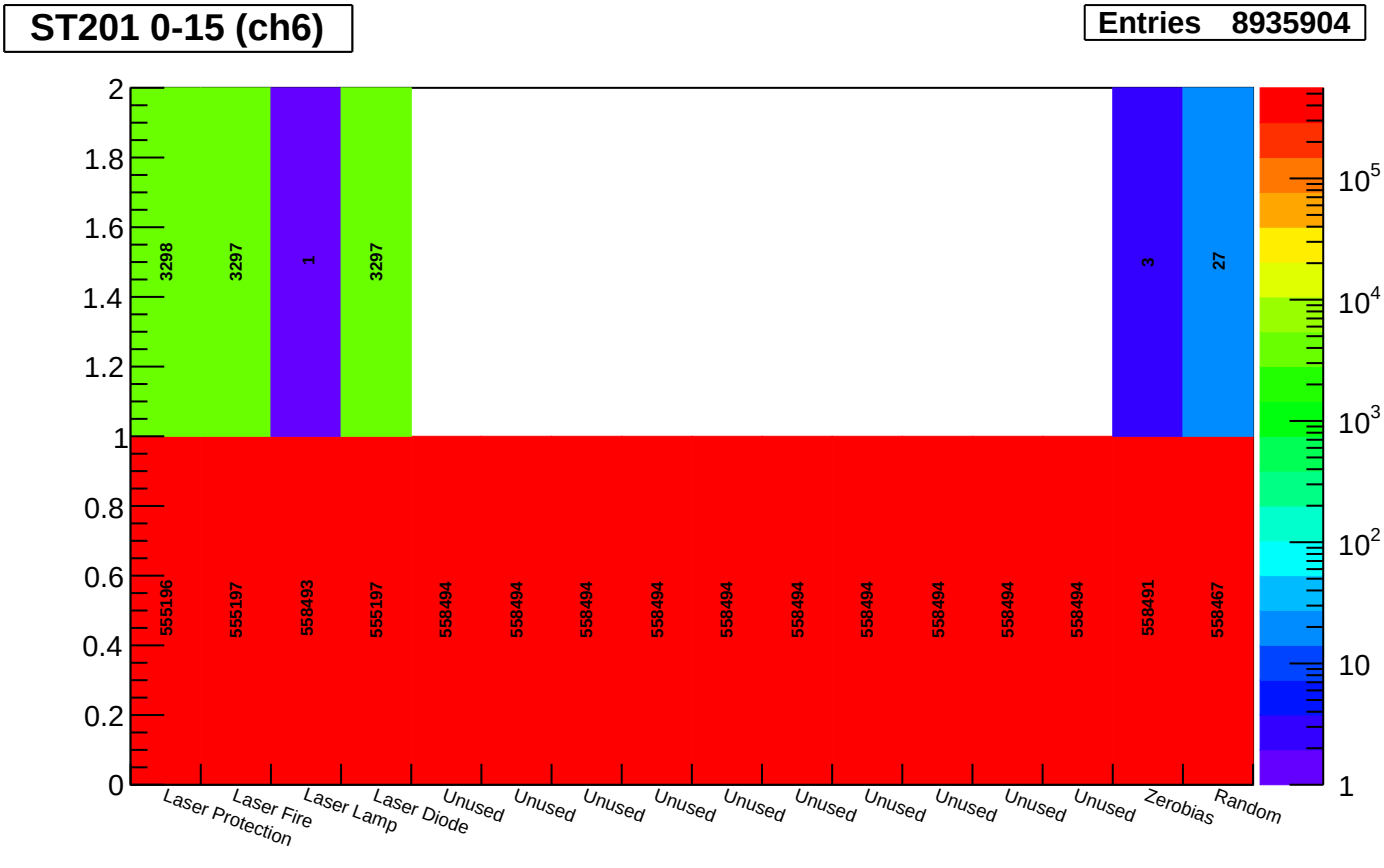

Entries 558494
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

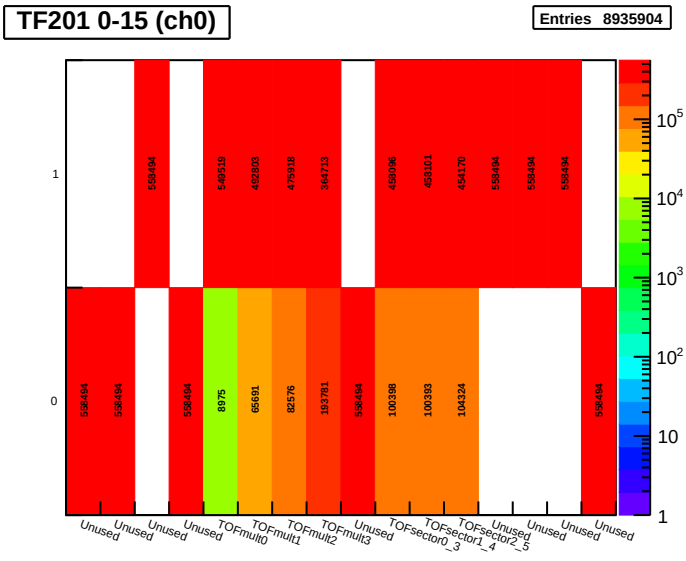

Entries 558494
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

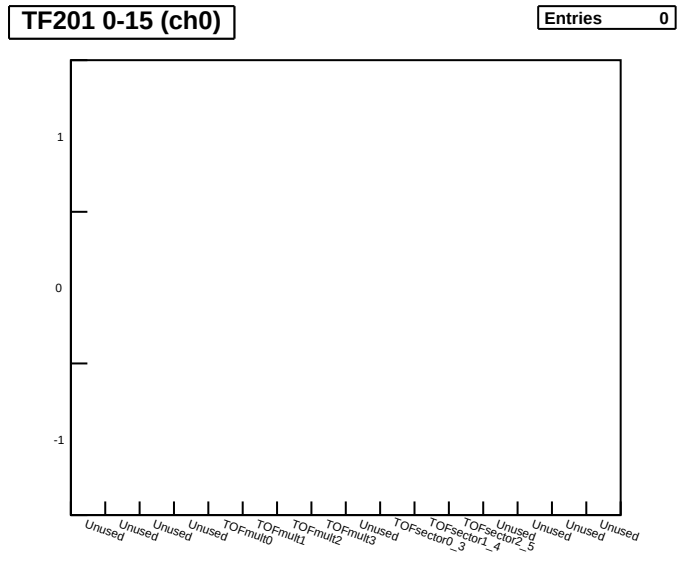

Entries 558494
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

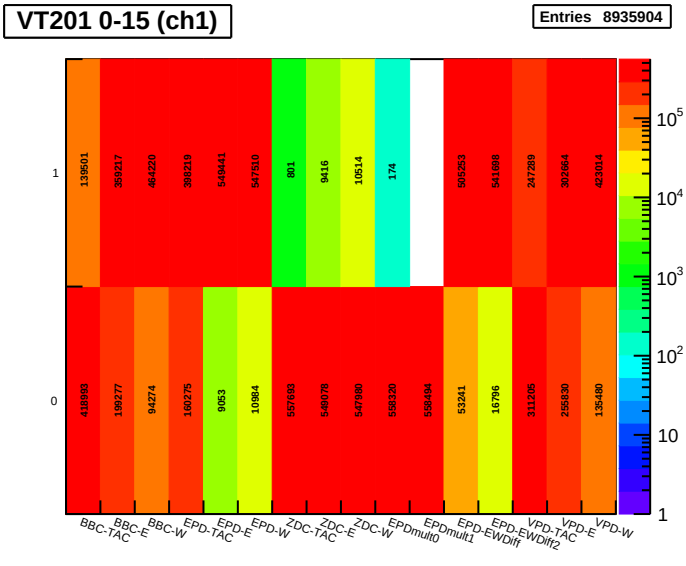

Entries 558494
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

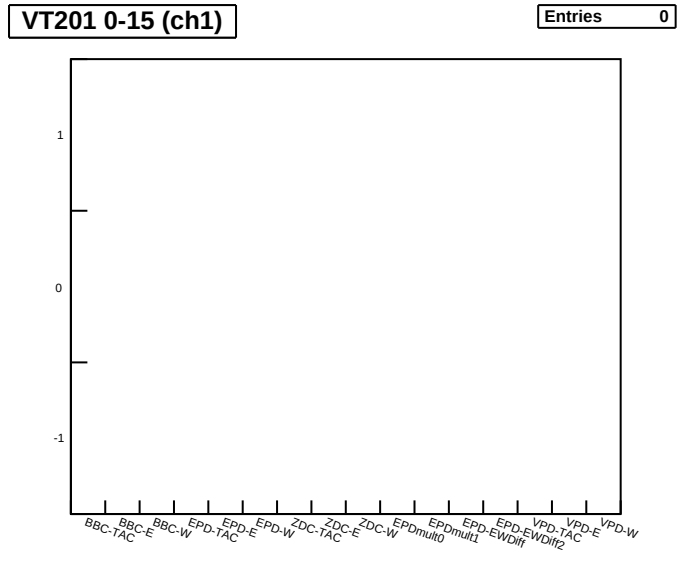

Laser Input Bits
Entries 558494
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

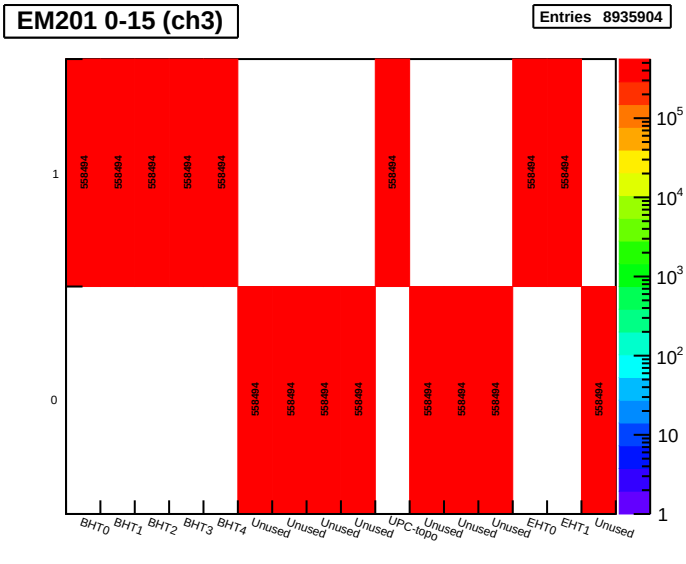

ST201 0-15 (ch6)
Entries 8935904
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3298
3297
1
3297
3
27
555196
555197
558493
555197
558494
558494
558494
558494
558494
558494
558494
558494
558494
558494
558491
558467
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1










EM201 0-15 (ch3)
Entries 8935904
1
0
558494
558494
558494
558494
558494