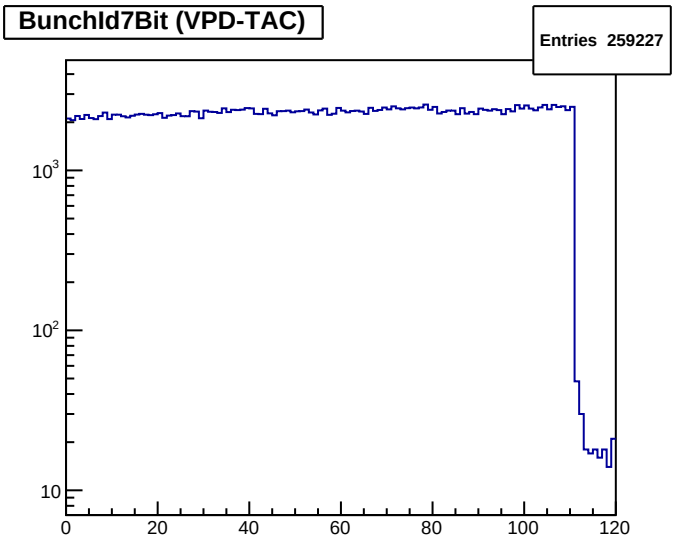
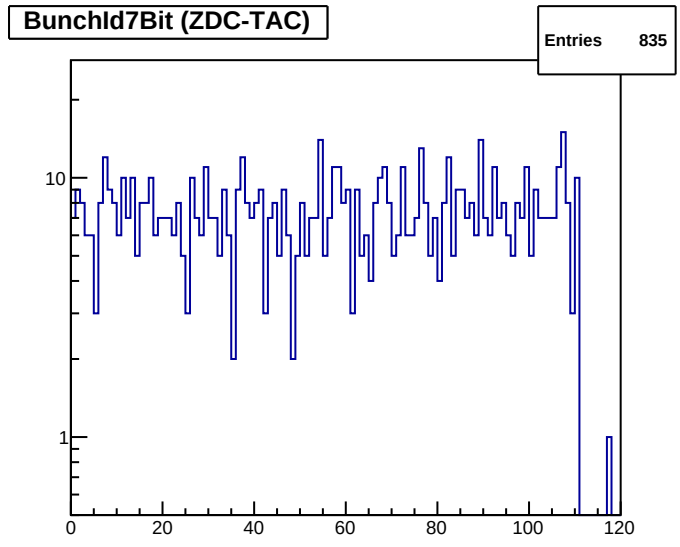
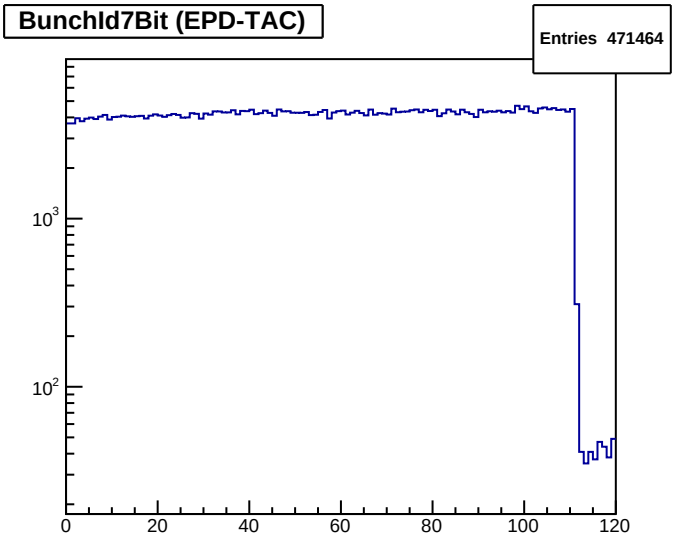
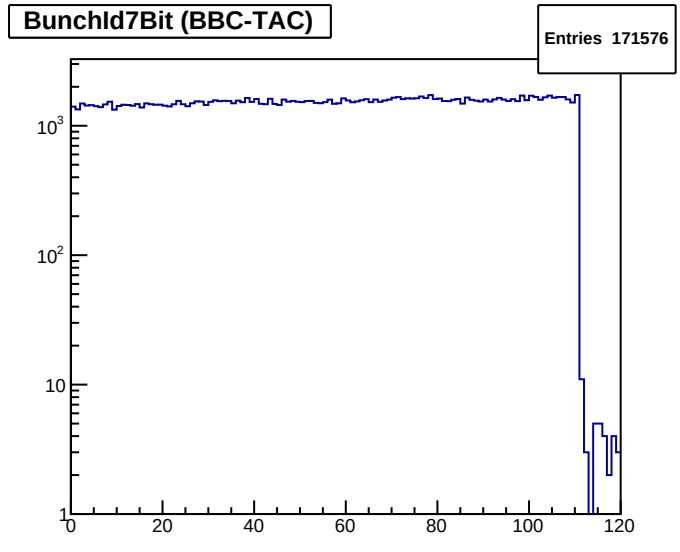
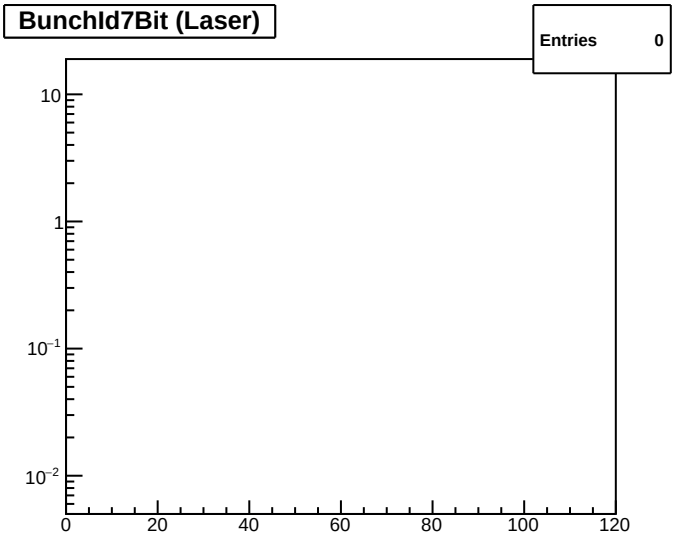
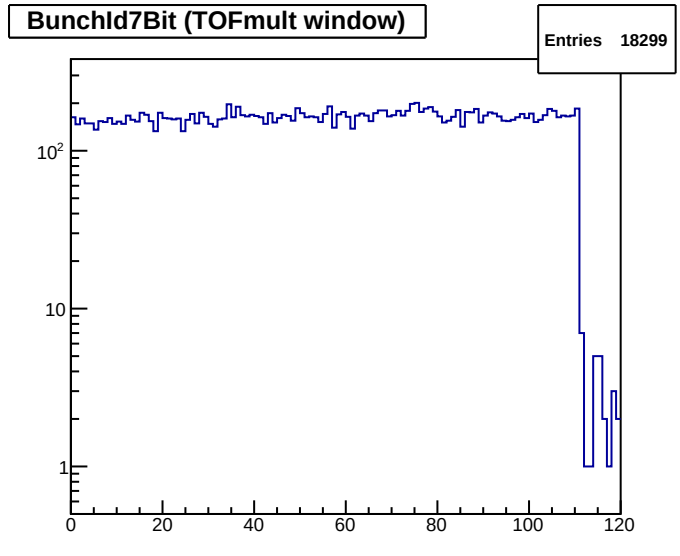

BunchId7Bit (VPD-TAC)
Entries 259227
10^3
10^2
10
0 20 40 60 80 100 120

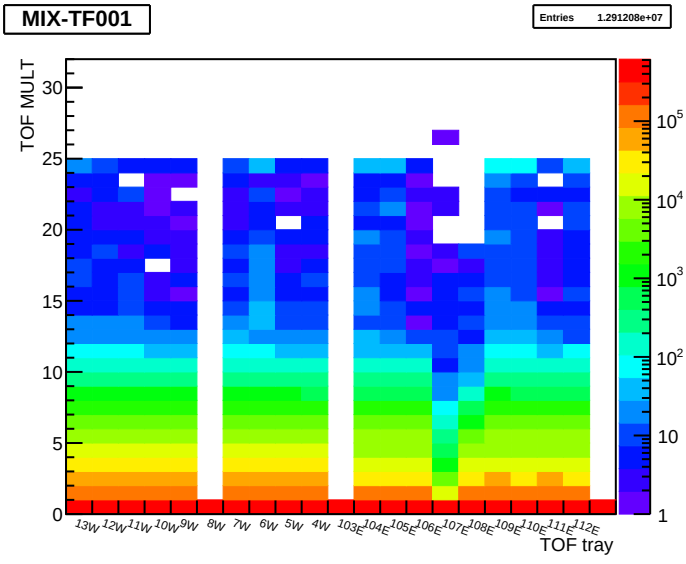

BunchId7Bit (ZDC-TAC)
Entries 835
10
1
0 20 40 60 80 100 120

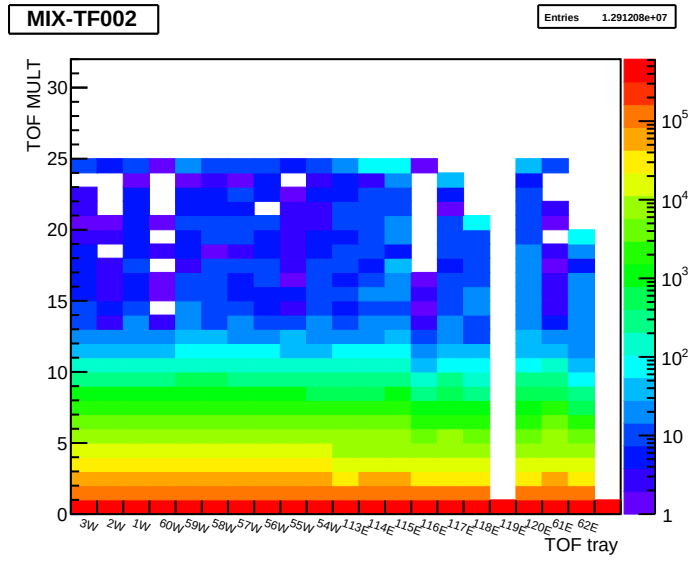

BunchId7Bit (EPD-TAC)
Entries 471464
10^3
10^2
0 20 40 60 80 100 120

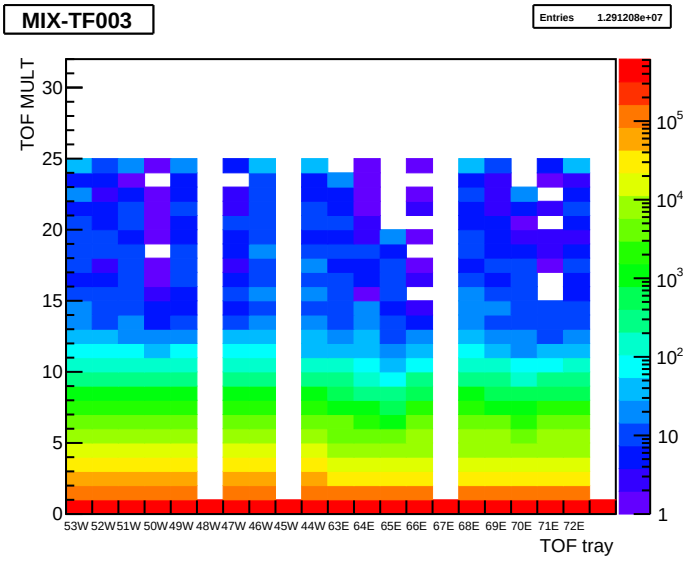

BunchId7Bit (BBC-TAC)
Entries 171576
10^3
10^2
10
1
0 20 40 60 80 100 120

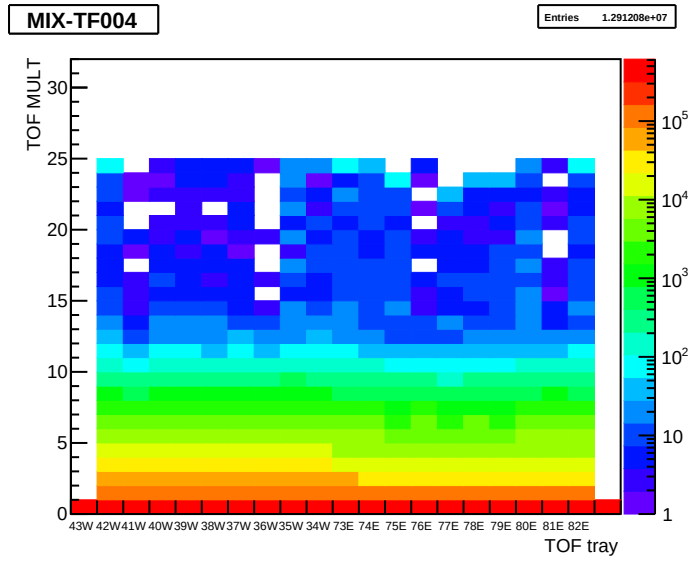

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

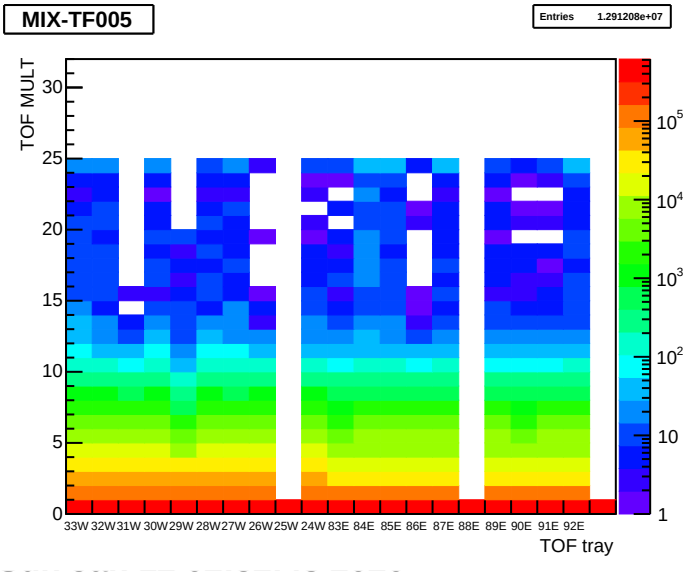

BunchId7Bit (TOFmult window)
Entries 18299
10^2
10
1
0 20 40 60 80 100 120

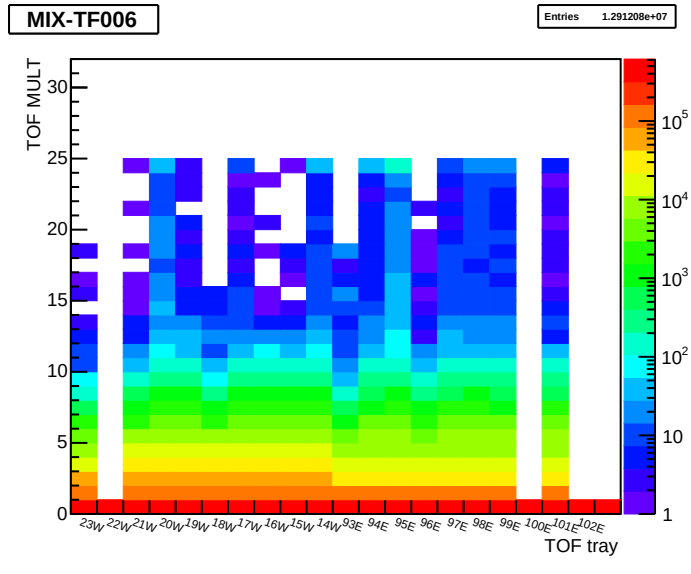

MIX-TF001
Entries 1.291208e+07
TOF MULT
TOF tray

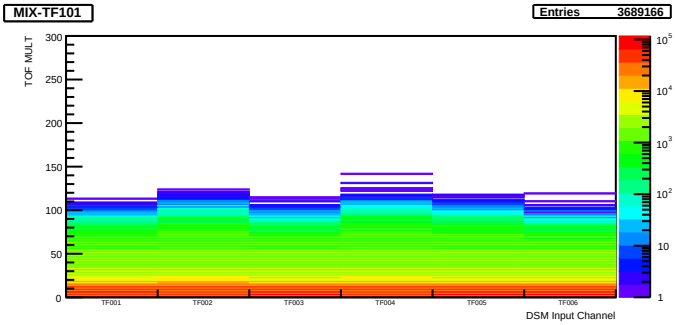

MIX-TF002
Entries 1.291208e+07
TOF MULT
TOF tray

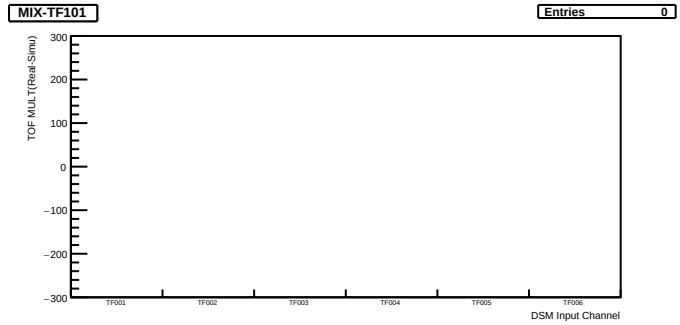

MIX-TF003
Entries 1.291208e+07
TOF MULT
TOF tray

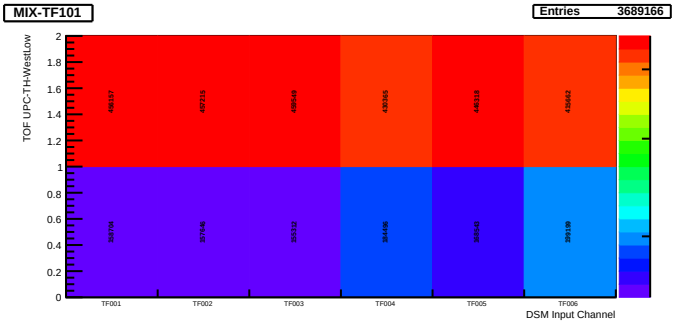

MIX-TF004
Entries 1.291208e+07
TOF MULT
TOF tray

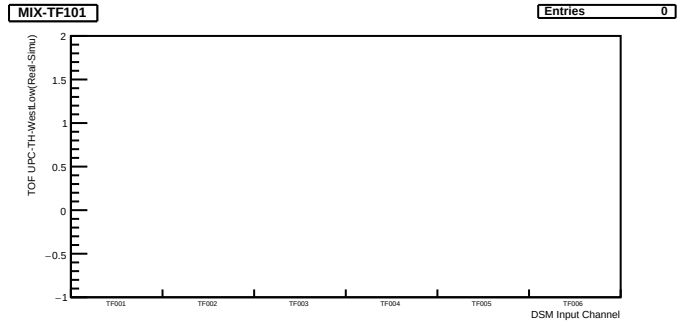

MIX-TF005
Entries 1.291208e+07
TOF MULT
TOF tray

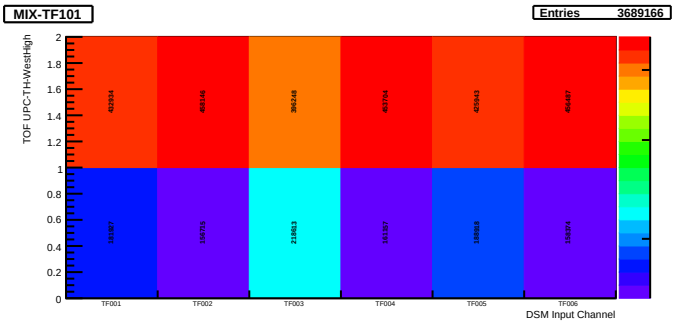

MIX-TF006
Entries 1.291208e+07
TOF MULT
TOF tray

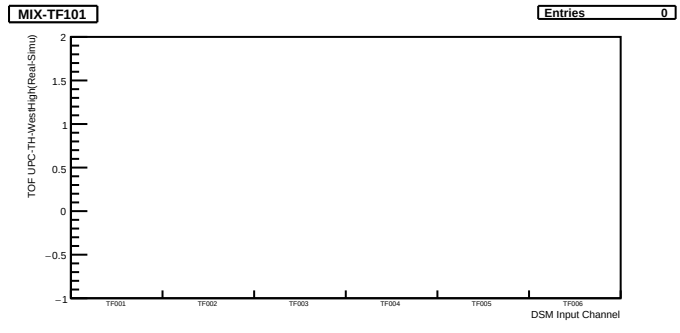

MIX-TF101
Entries 3689166
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

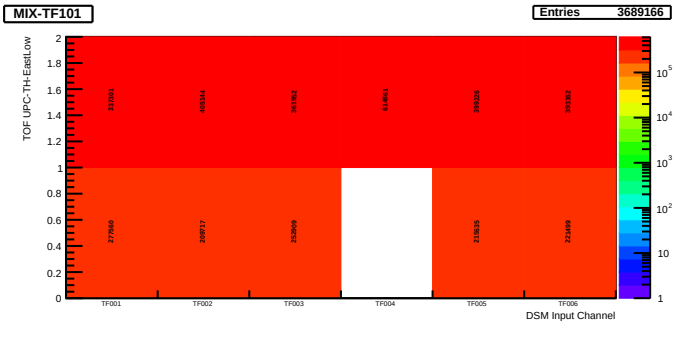

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

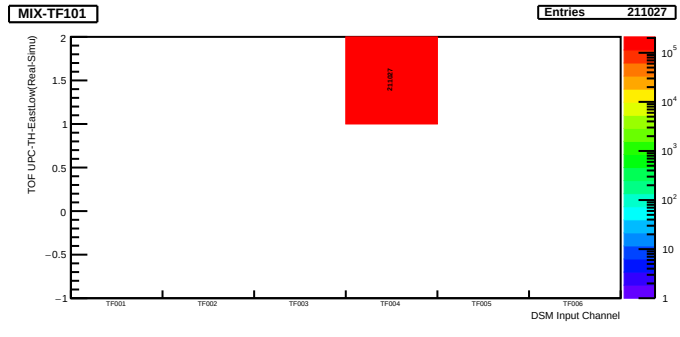

MIX-TF101
Entries 3689166
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

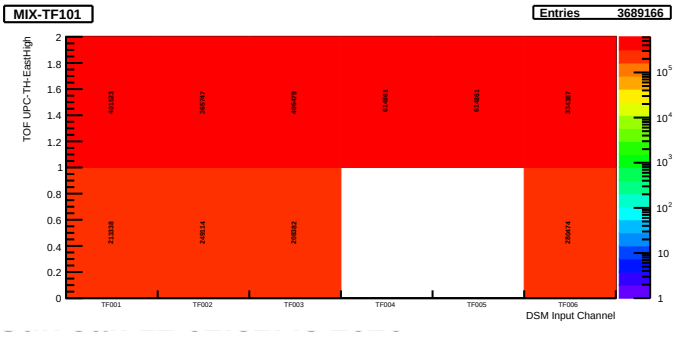

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

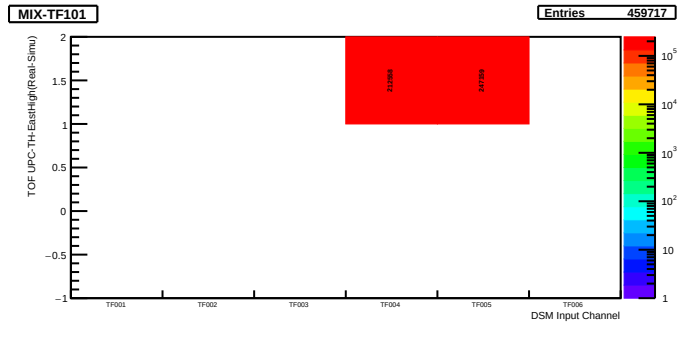

MIX-TF101
Entries 3689166
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

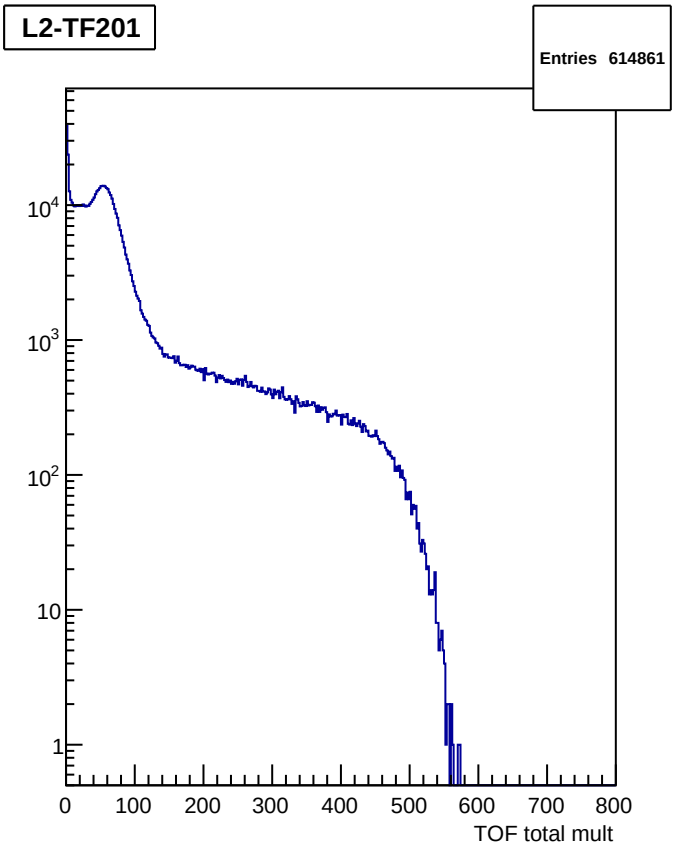

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

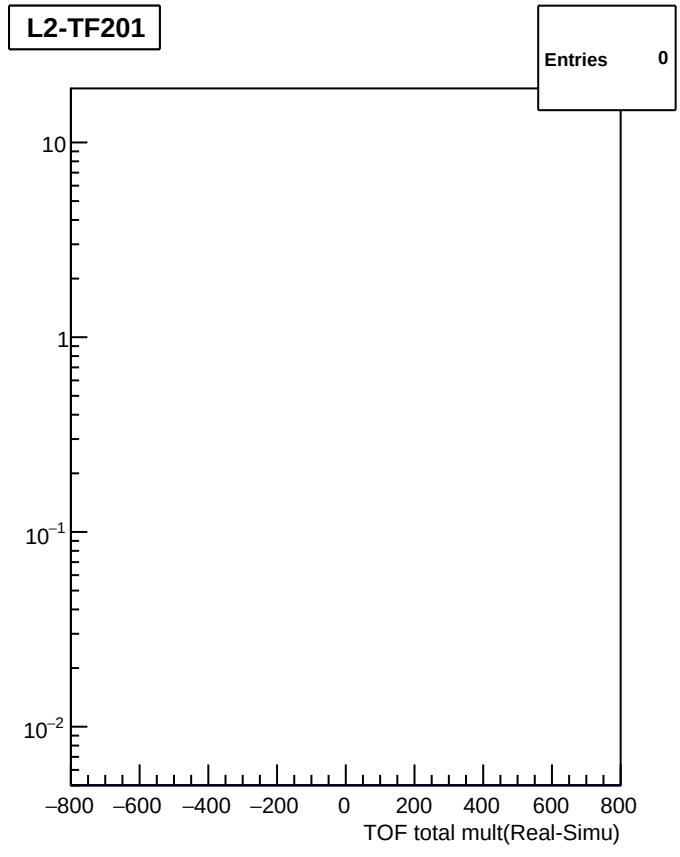

MIX-TF101
Entries 3689166
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

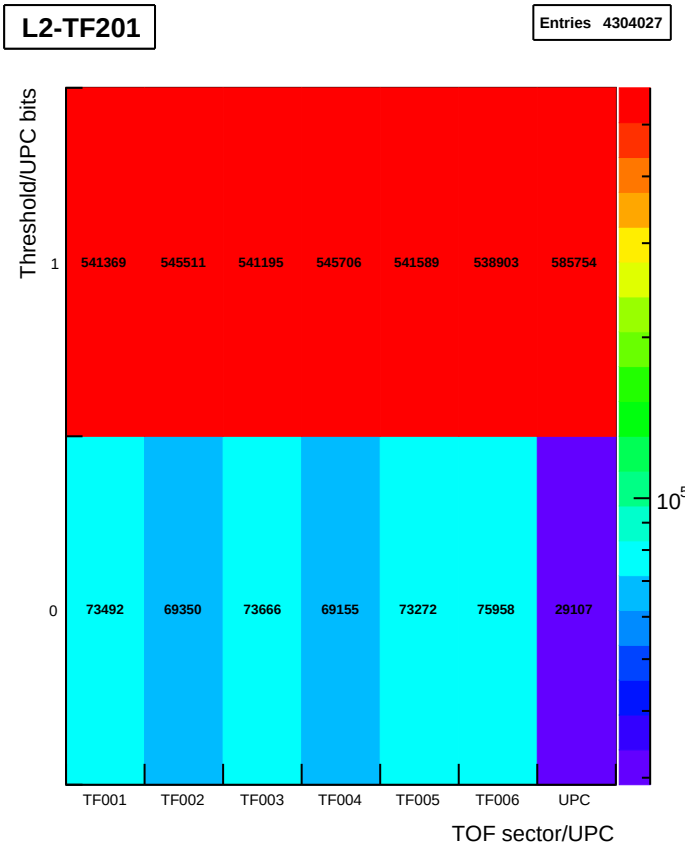

MIX-TF101
Entries 211027
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

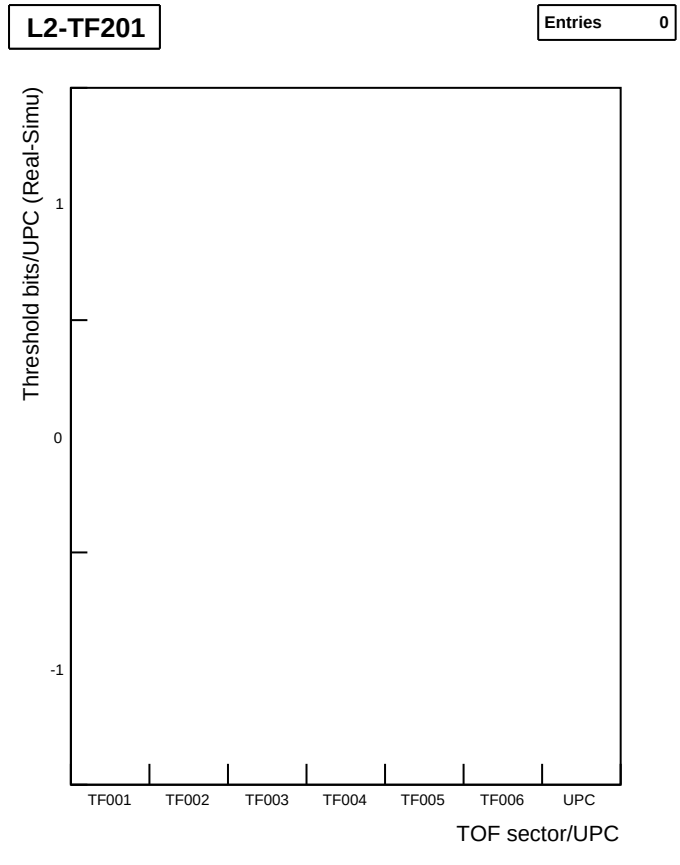

MIX-TF101
Entries 3689166
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

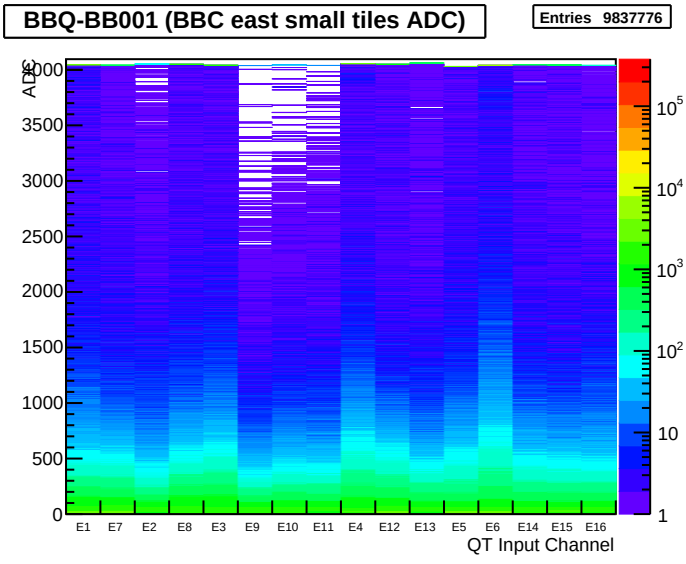

MIX-TF101
Entries 459717
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

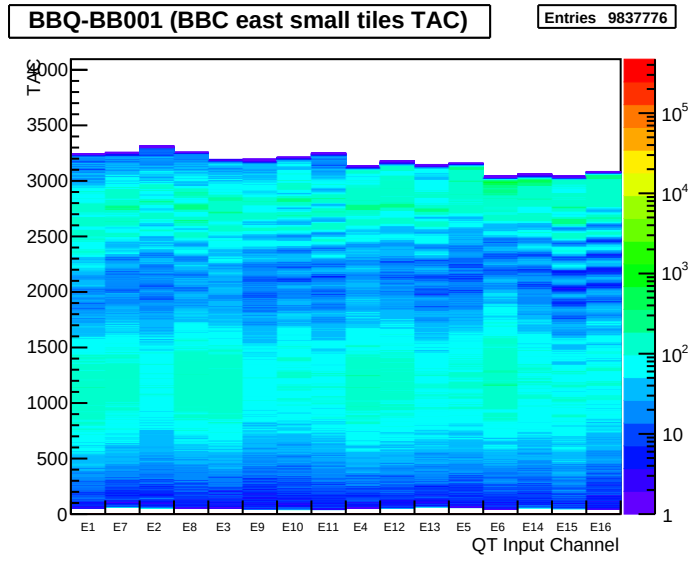

L2-TF201
Entries 614861
TOF total mult

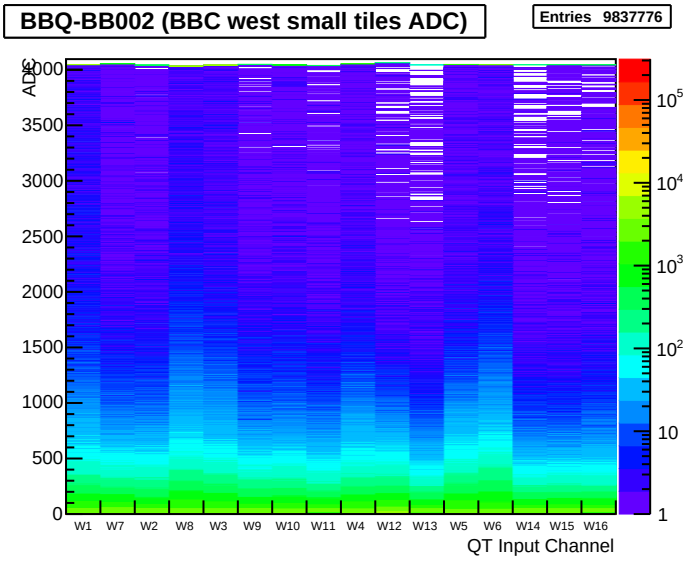

L2-TF201
Entries 0
TOF total mult(Real-Simu)

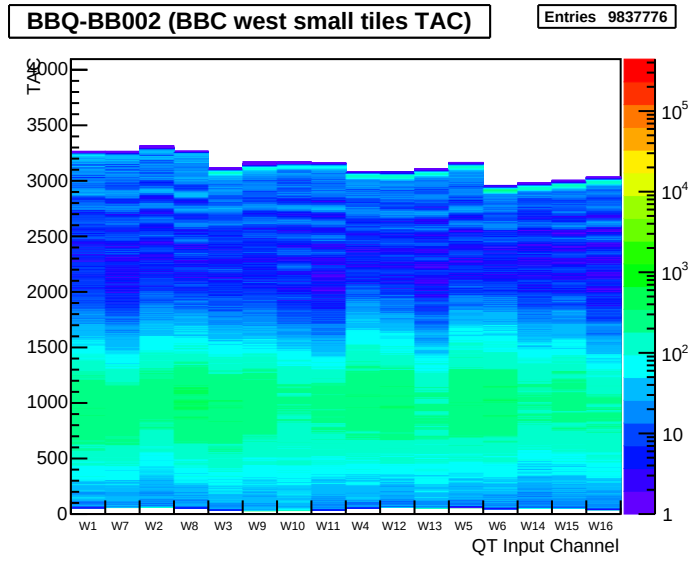

L2-TF201
Entries 4304027
Threshold/UPC bits
541369
545511
541195
545706
541589
538903
585754
73492
69350
73666
69155
73272
75958
29107
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

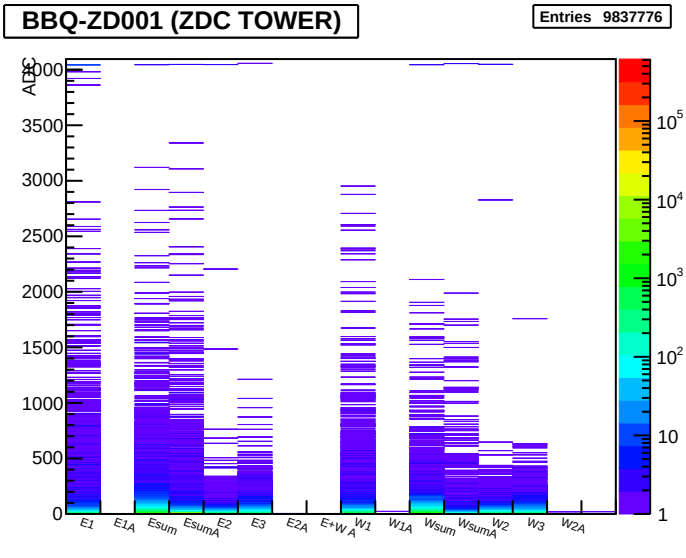

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

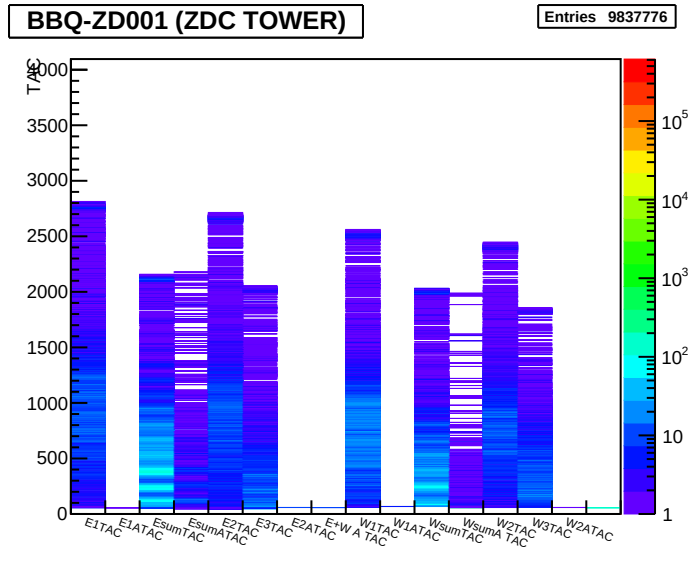

BBQ-BB001 (BBC east small tiles ADC)
Entries 9837776
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

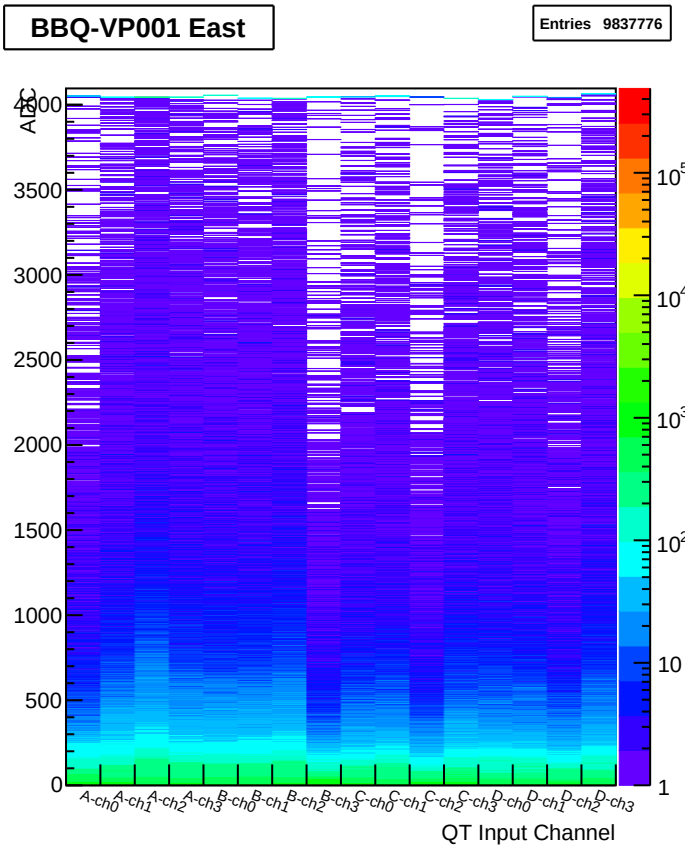

BBQ-BB001 (BBC east small tiles TAC)
Entries 9837776
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

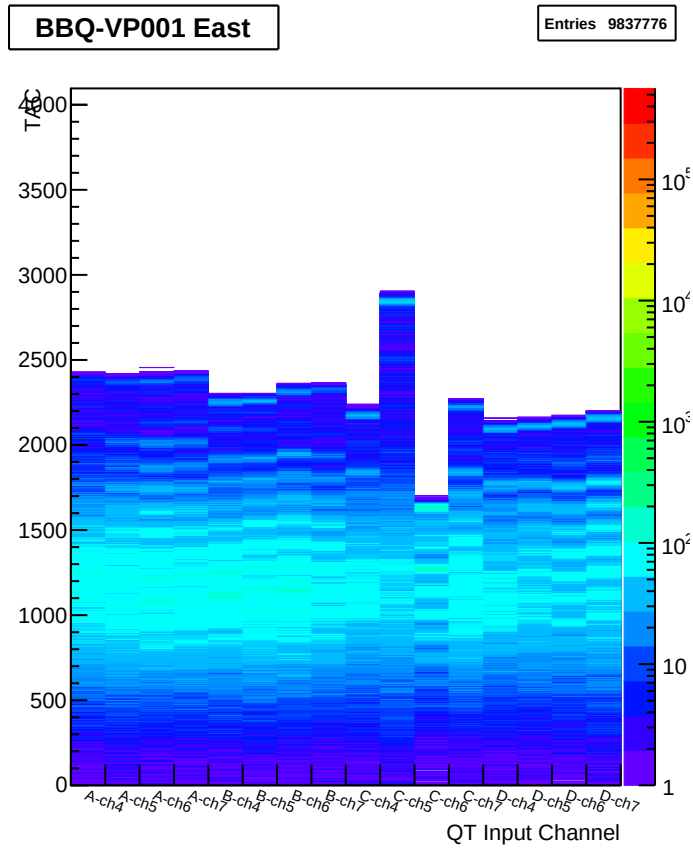

BBQ-BB002 (BBC west small tiles ADC)
Entries 9837776
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

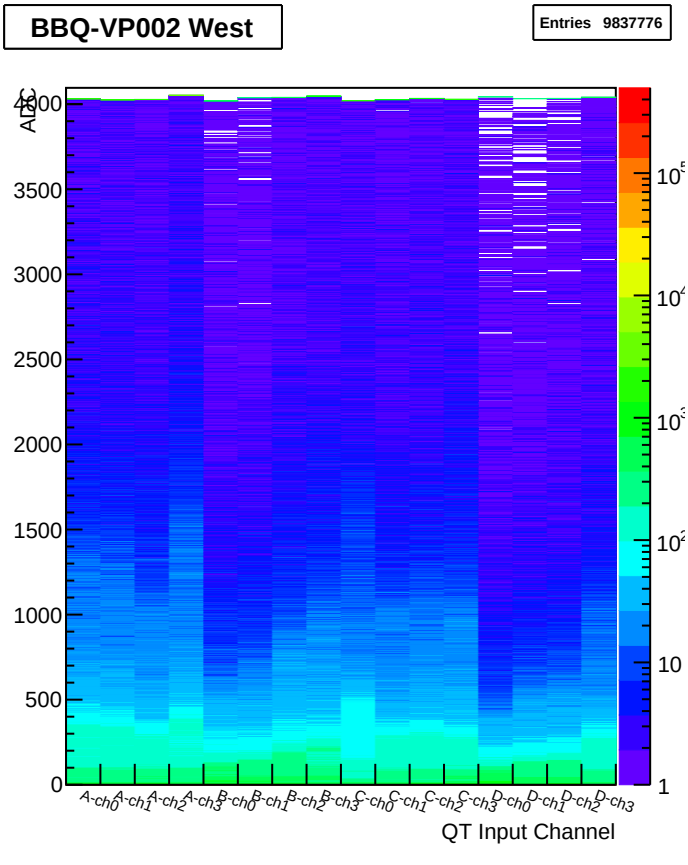

BBQ-BB002 (BBC west small tiles TAC)
Entries 9837776
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

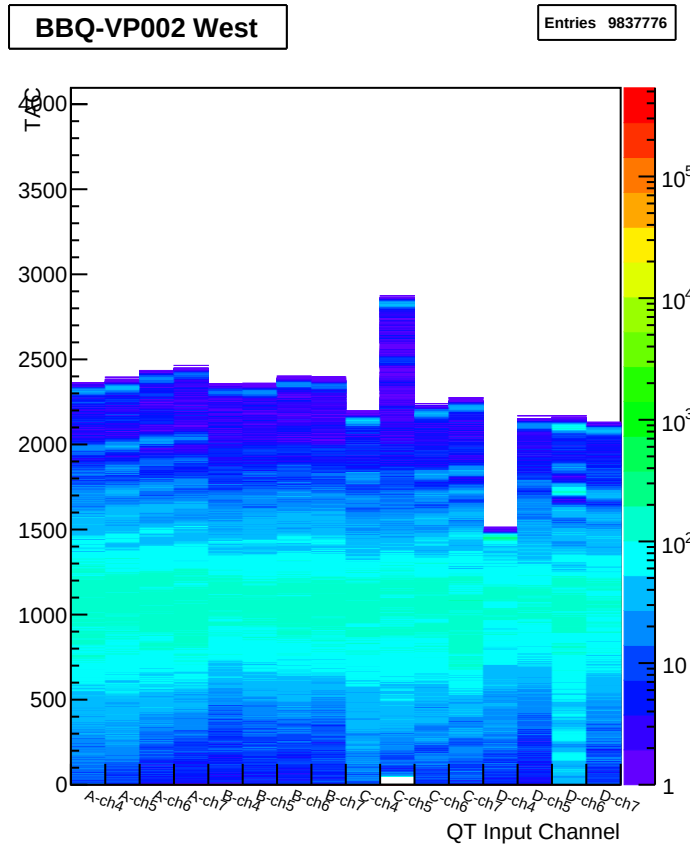

BBQ-ZD001 (ZDC TOWER)
Entries 9837776
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

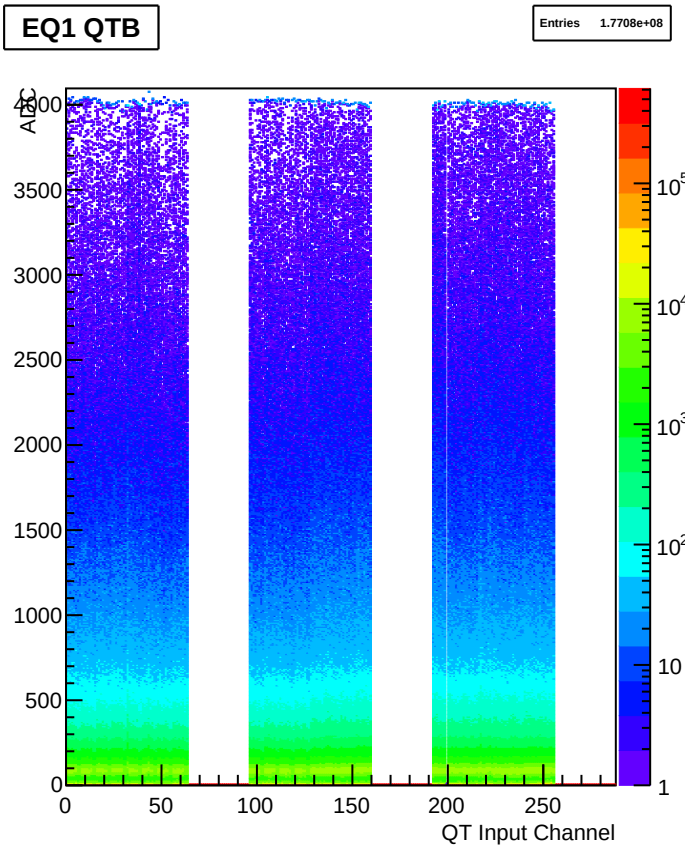

BBQ-ZD001 (ZDC TOWER)
Entries 9837776
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

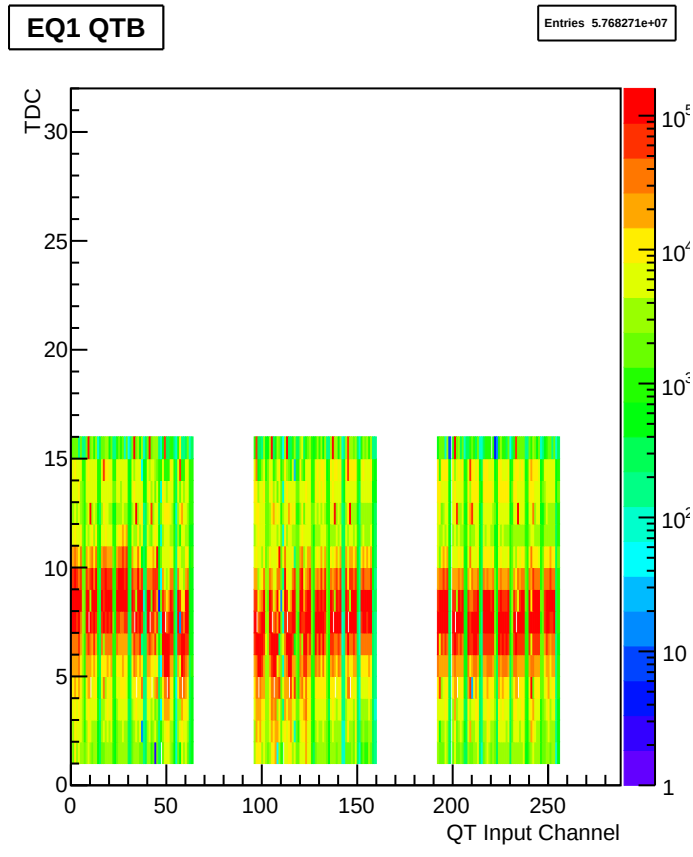

BBQ-VP001 East
Entries 9837776
ADC
QT Input Channel

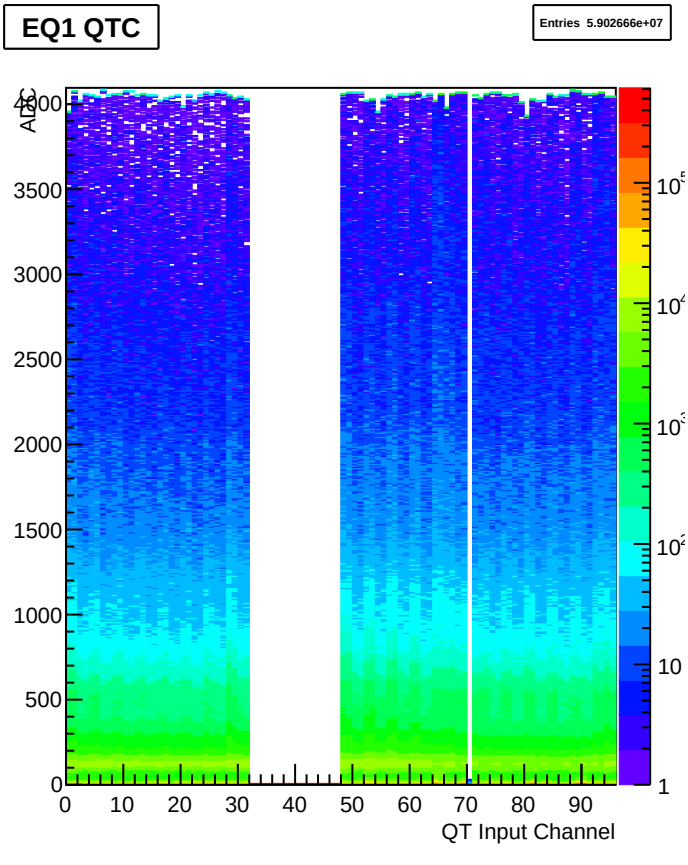

BBQ-VP001 East
Entries 9837776
TADC
QT Input Channel

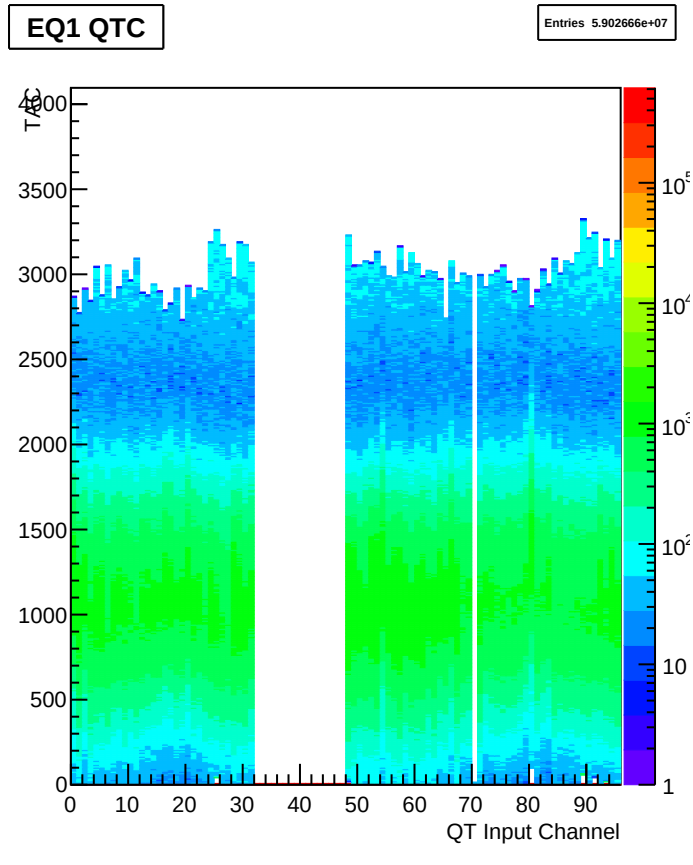

BBQ-VP002 West
Entries 9837776
ADC
QT Input Channel

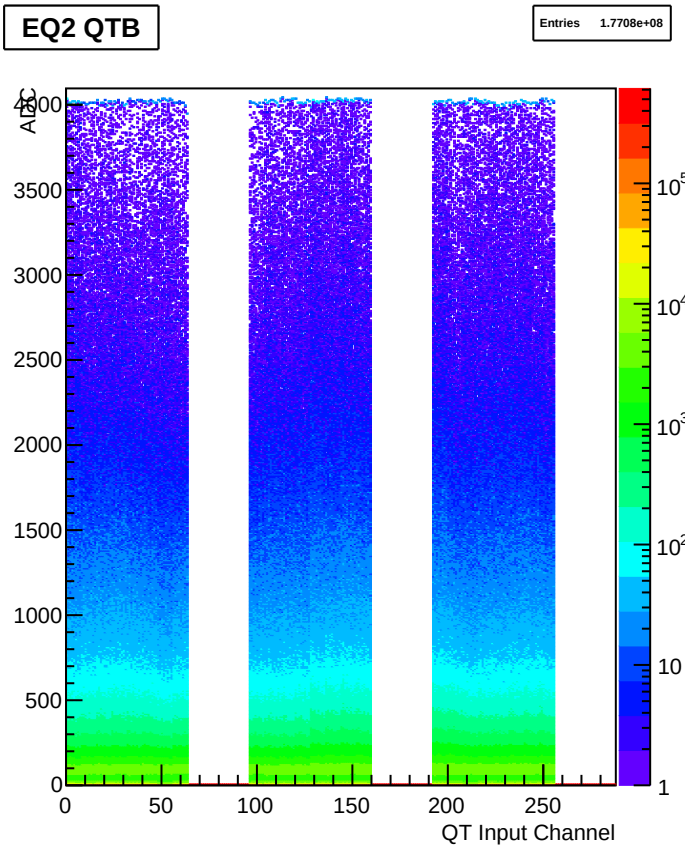

BBQ-VP002 West
Entries 9837776
TADC
QT Input Channel

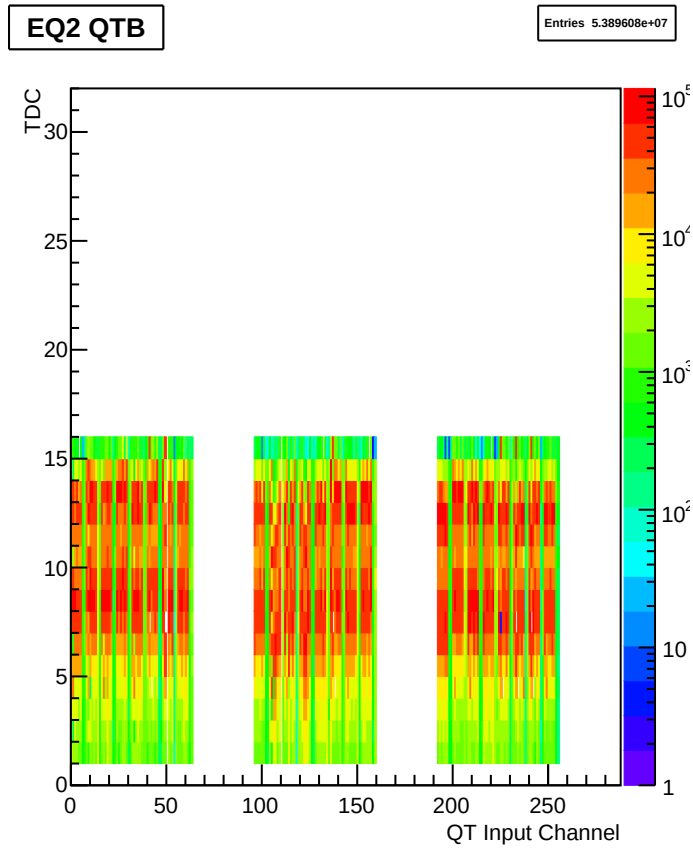

EQ1 QTB
Entries 1.7708e+08
ADC
QT Input Channel

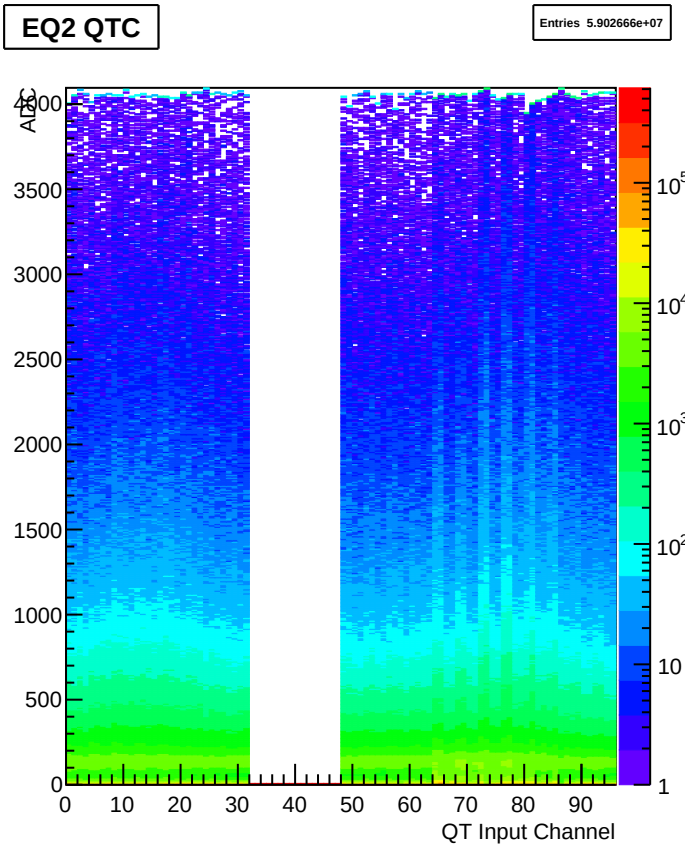

EQ1 QTB
Entries 5.768271e+07
TDC
QT Input Channel

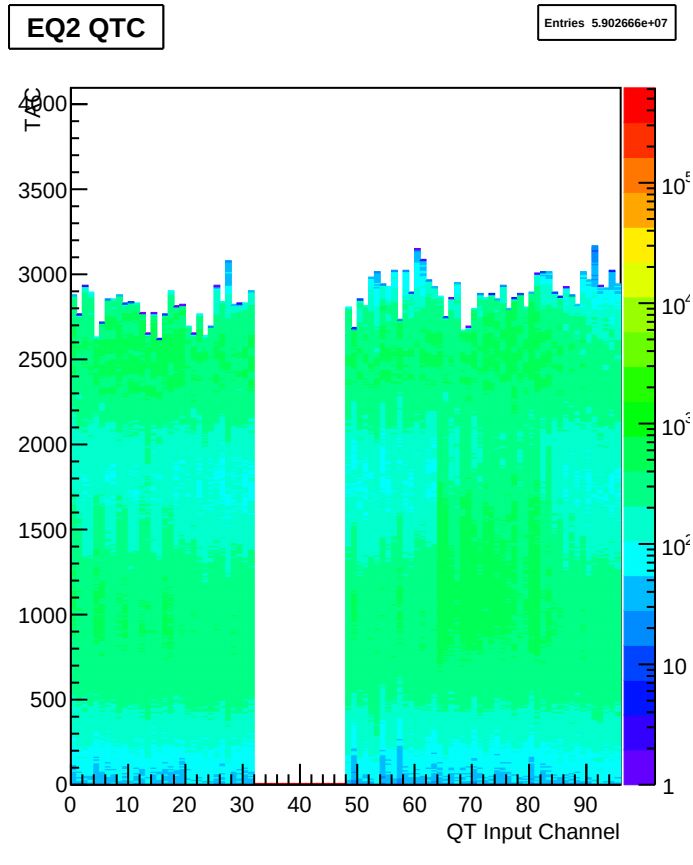

EQ1 QTC
Entries 5.902666e+07
ADC
QT Input Channel

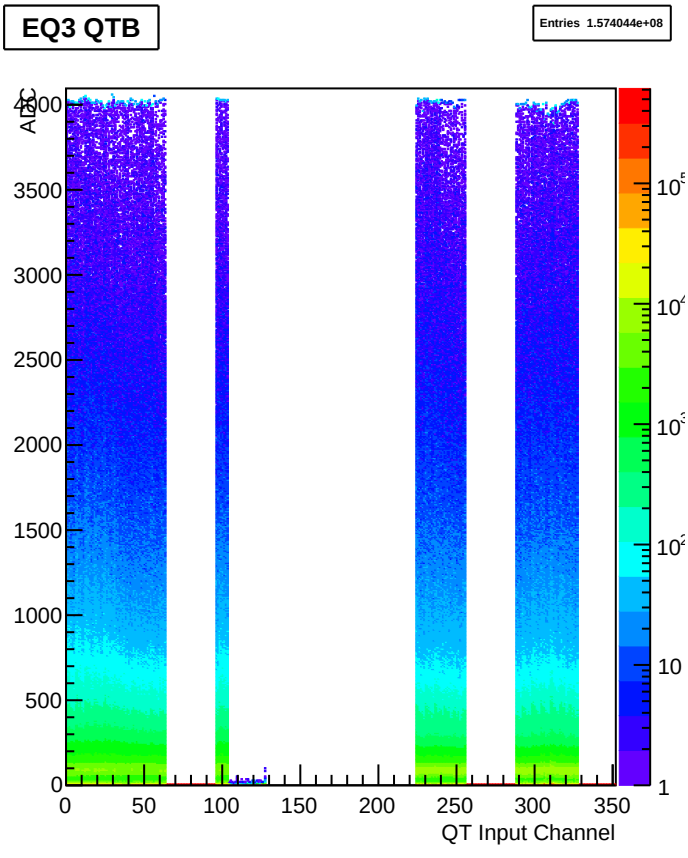

EQ1 QTC
Entries 5.902666e+07
TADC
QT Input Channel

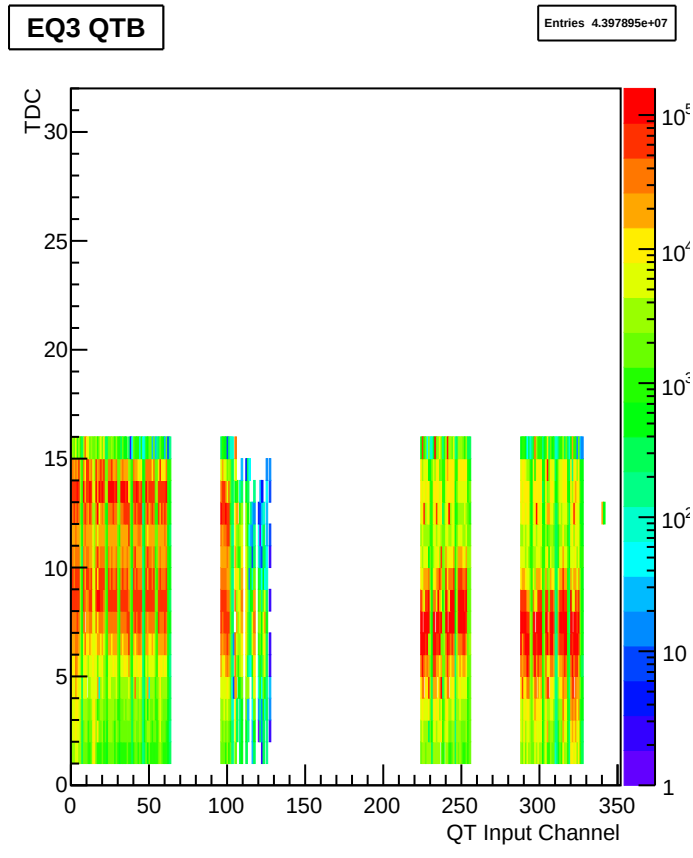

EQ2 QTB
Entries 1.7708e+08
ADC
QT Input Channel

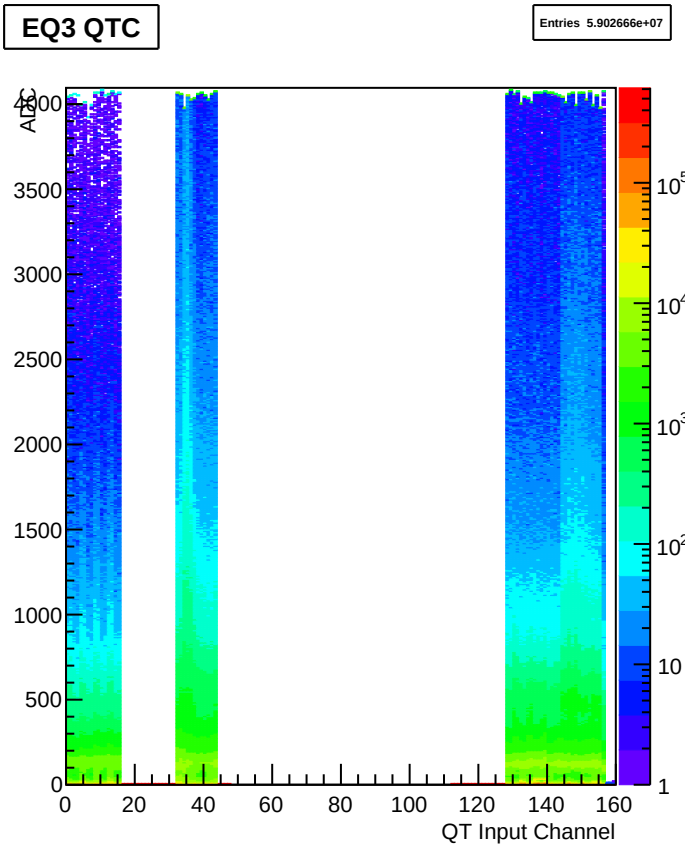

EQ2 QTB
Entries 5.389608e+07
TDC
QT Input Channel

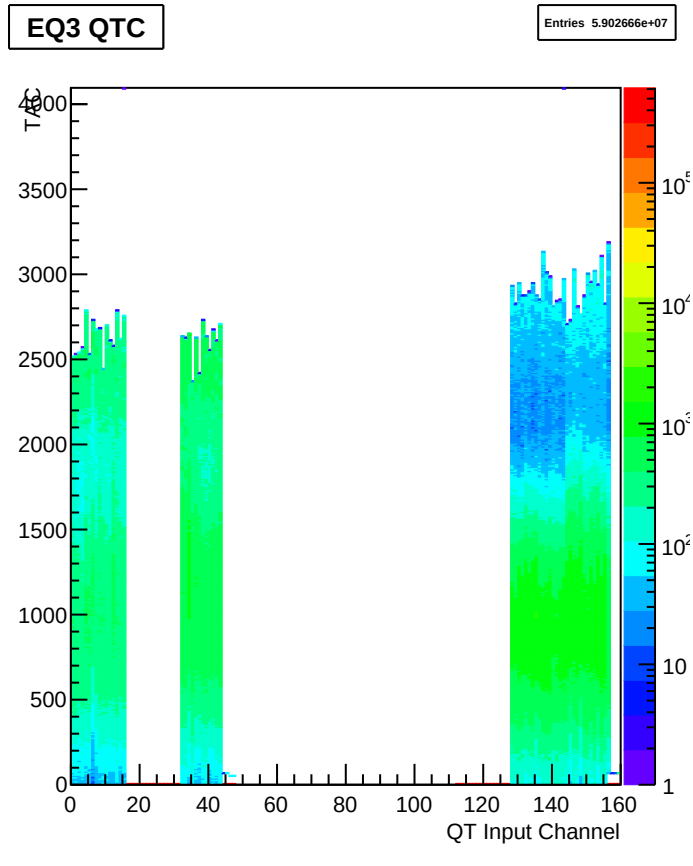

EQ2 QTC
Entries 5.902666e+07
ADC
QT Input Channel

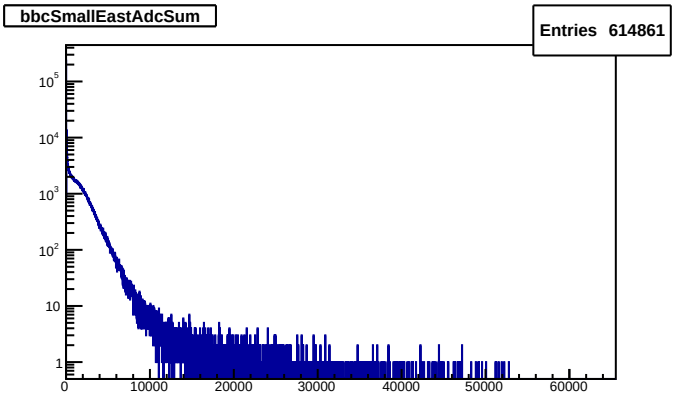

EQ2 QTC
Entries 5.902666e+07
TADC
QT Input Channel

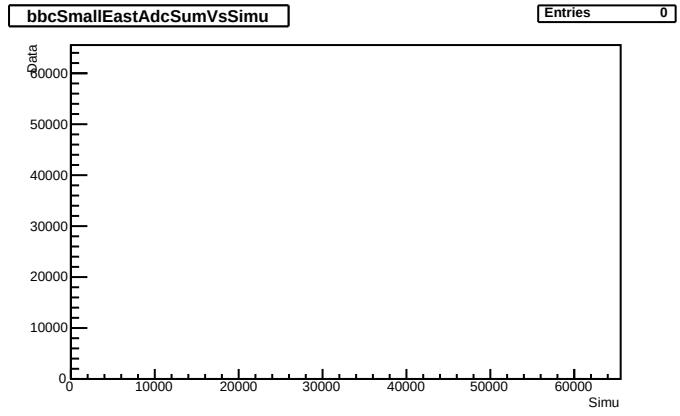

EQ3 QTB
Entries 1.574044e+08
ADC
QT Input Channel

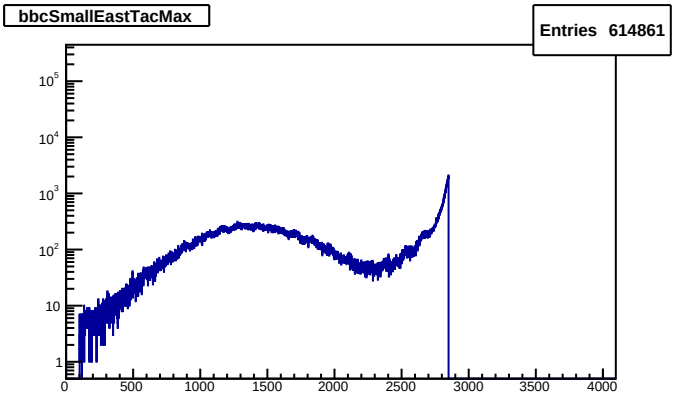

EQ3 QTB
Entries 4.397895e+07
TDC
QT Input Channel

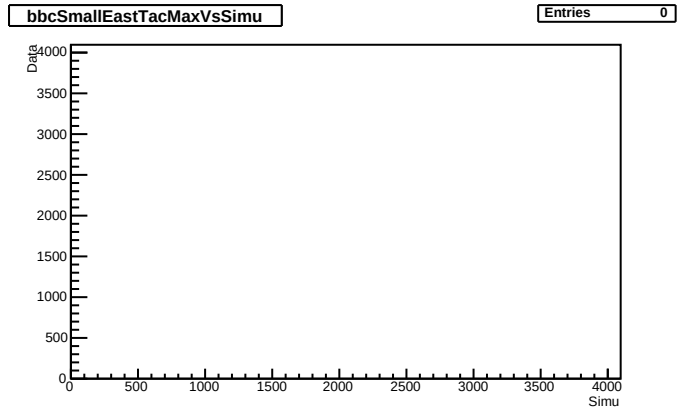

EQ3 QTC
Entries 5.902666e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.902666e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 614861


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 614861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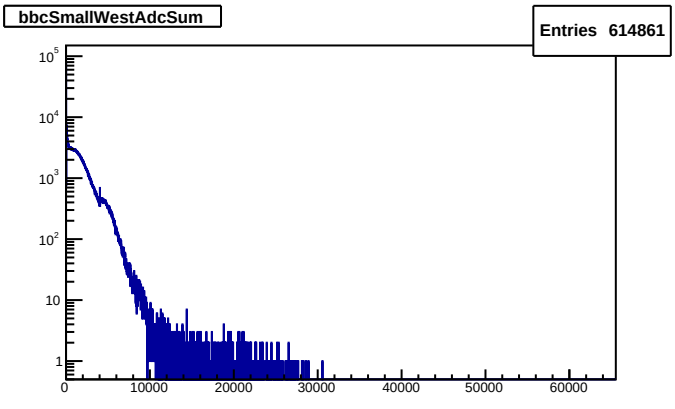
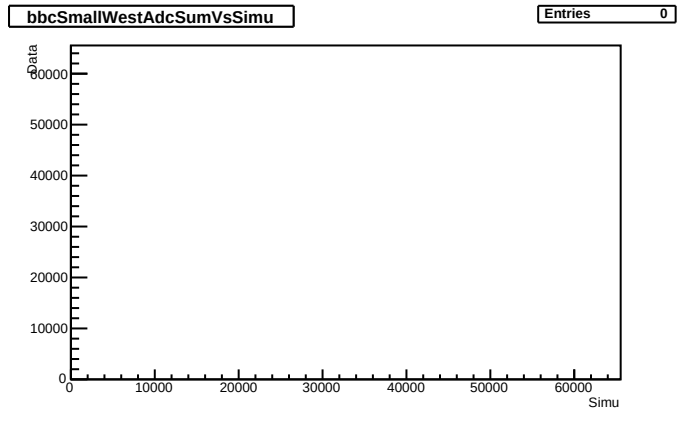
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 614861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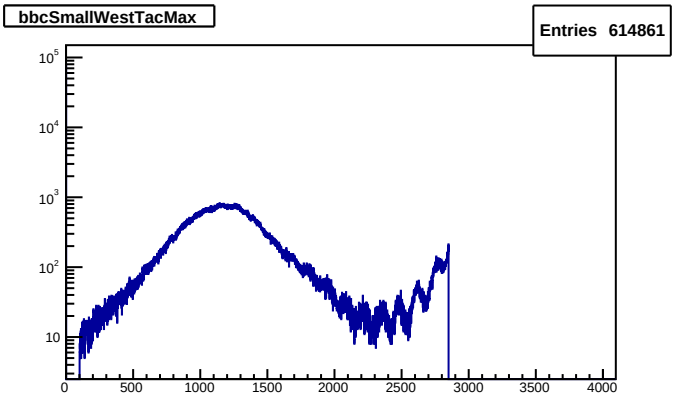
Data
Simu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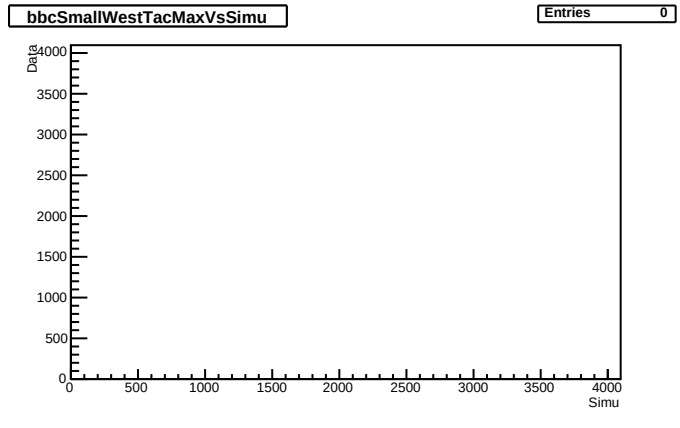
Entries 614861


bbcSmallWestTacMaxVsSimu
Entries 0
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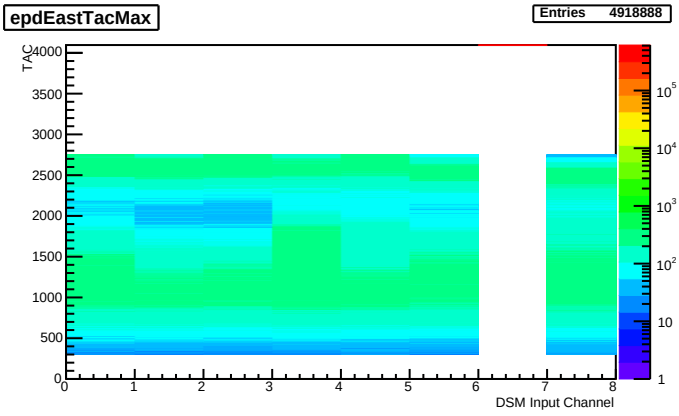
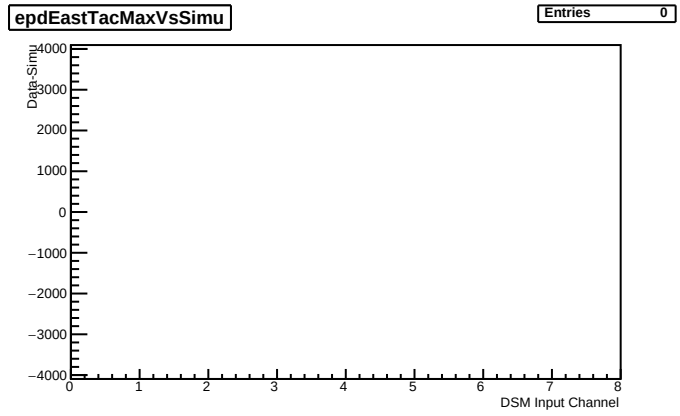
Simu


epdEastTacMax
Entries 4918888
TAC
DSM Input Channel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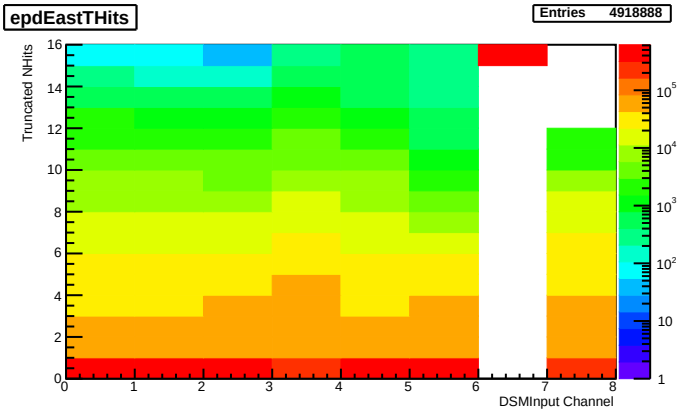
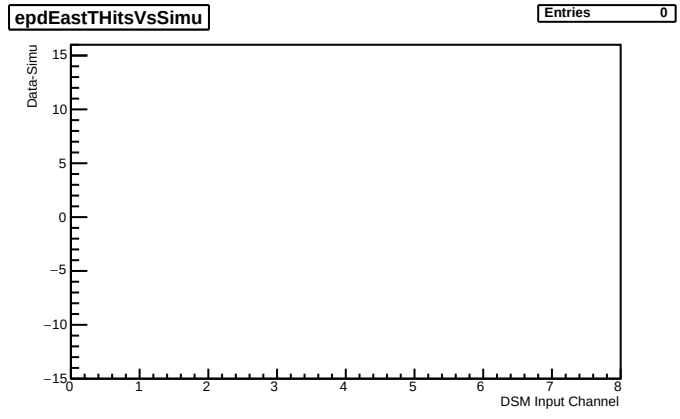
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4918888
Truncated NHits
DSMInput Channel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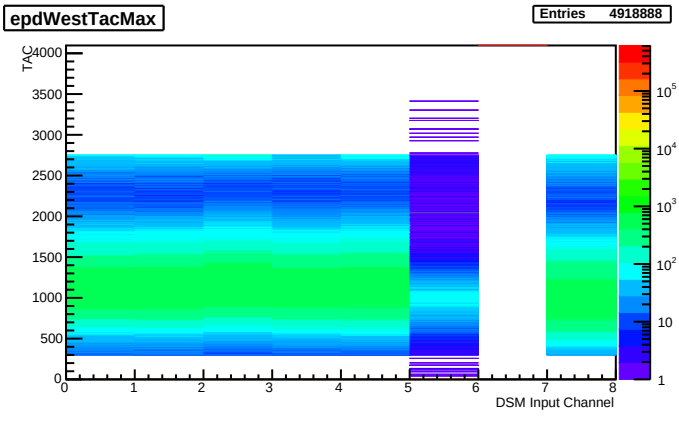
DSM Input Channel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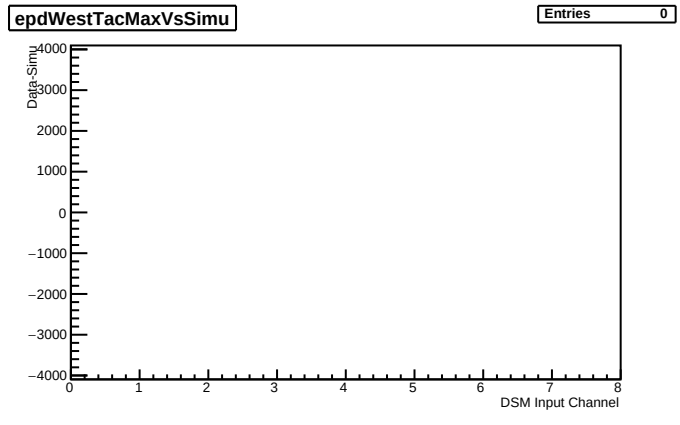
DSM Input Channel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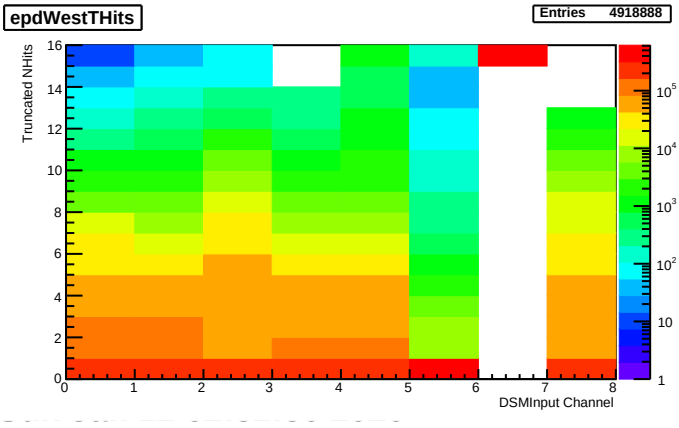
Data-Simu
DSM Input Channel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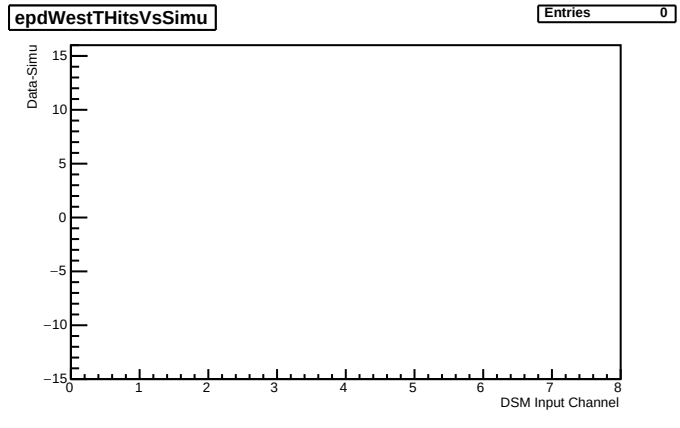
Truncated NHits
DSMInput Channel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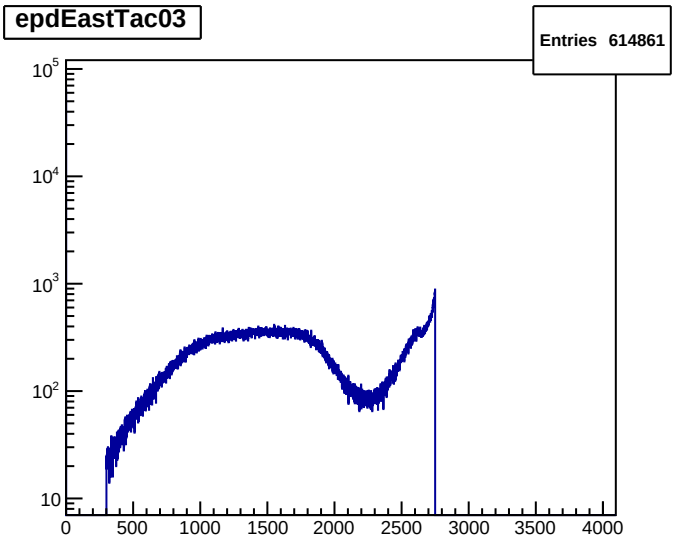
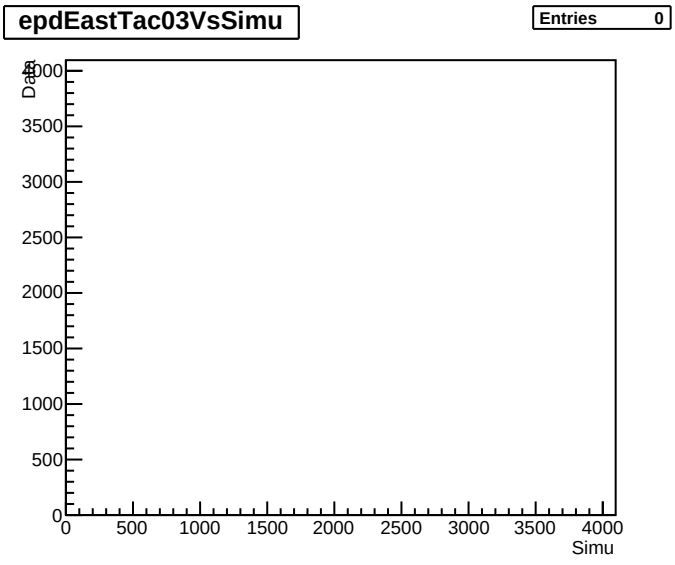
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 614861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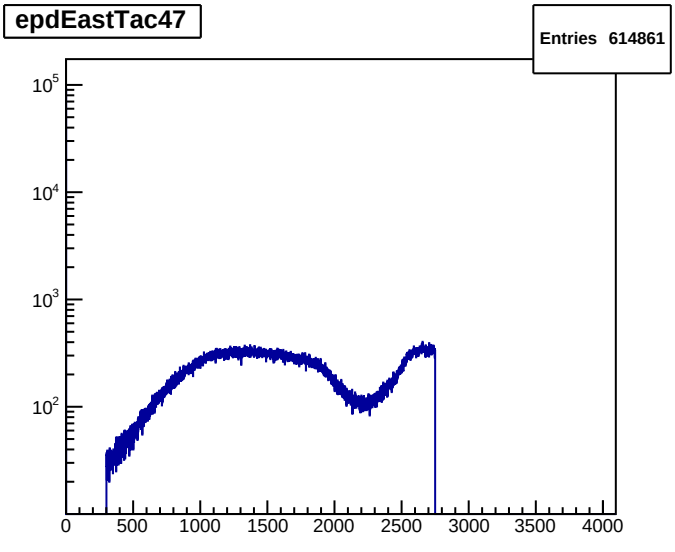
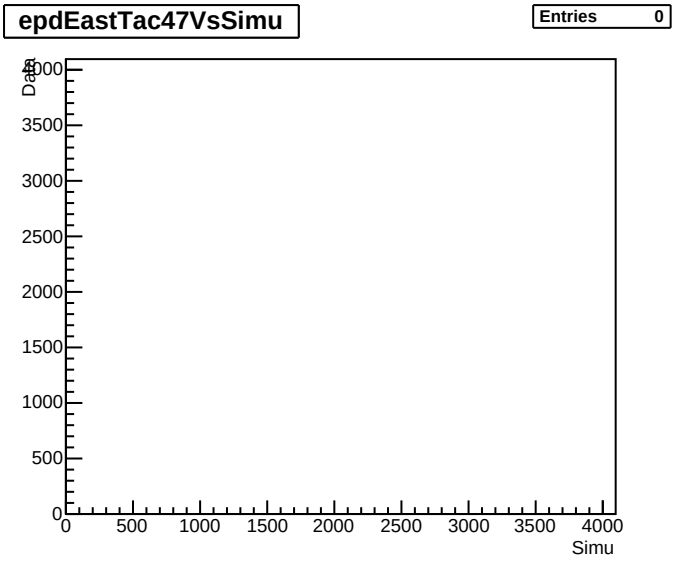
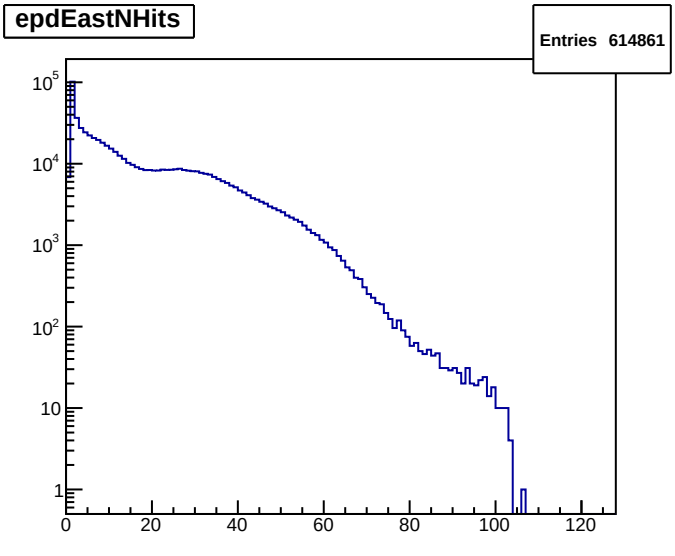
Entries 0
Data
Simu


epdEastTac47
Entries 614861


epdEastTac47VsSimu
Entries 0
Data
Simu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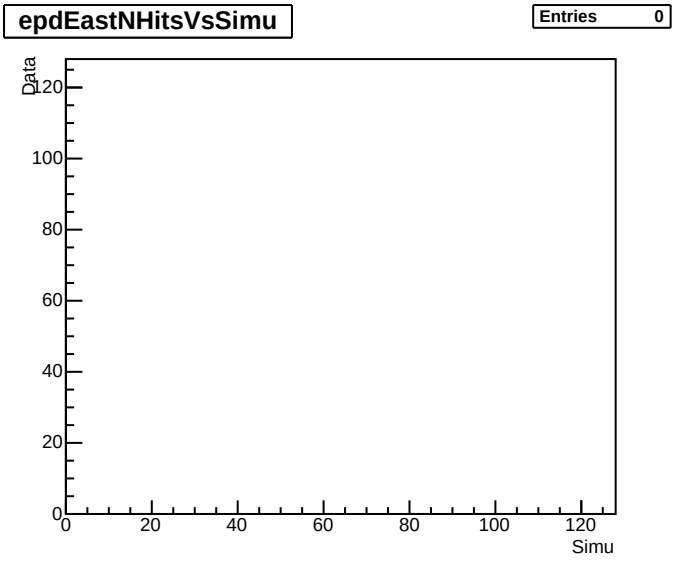
Entries 614861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Entries 0
Data
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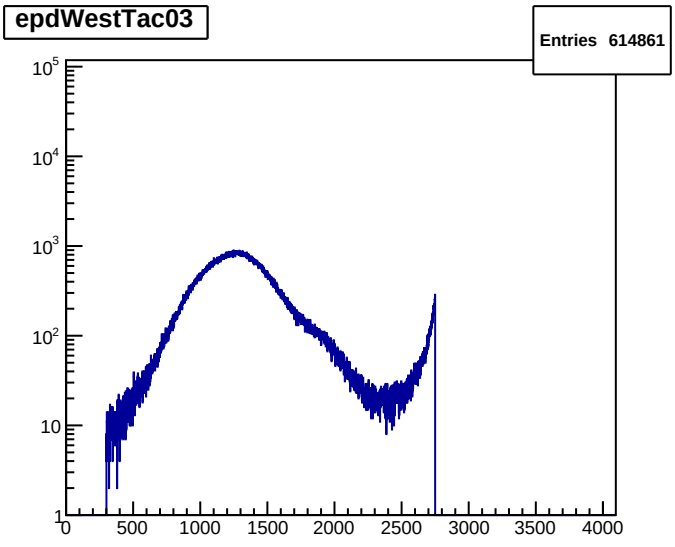
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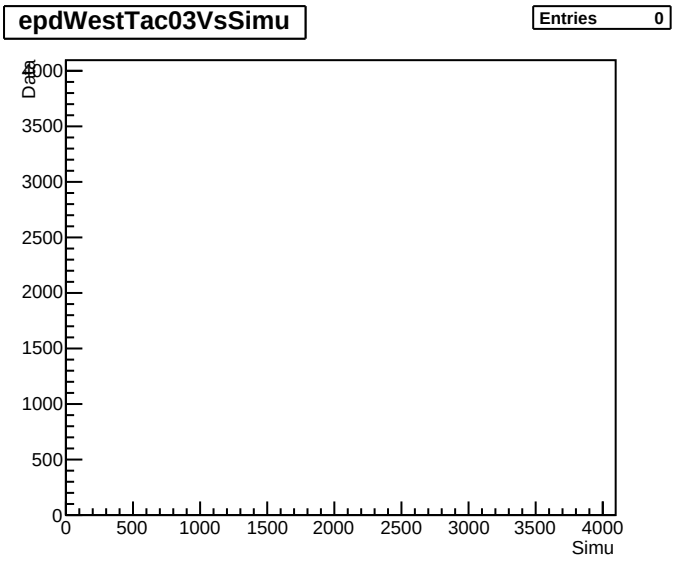
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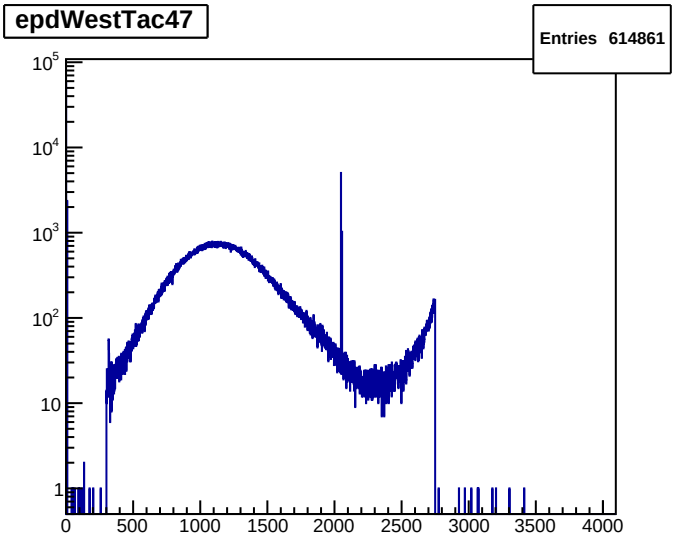
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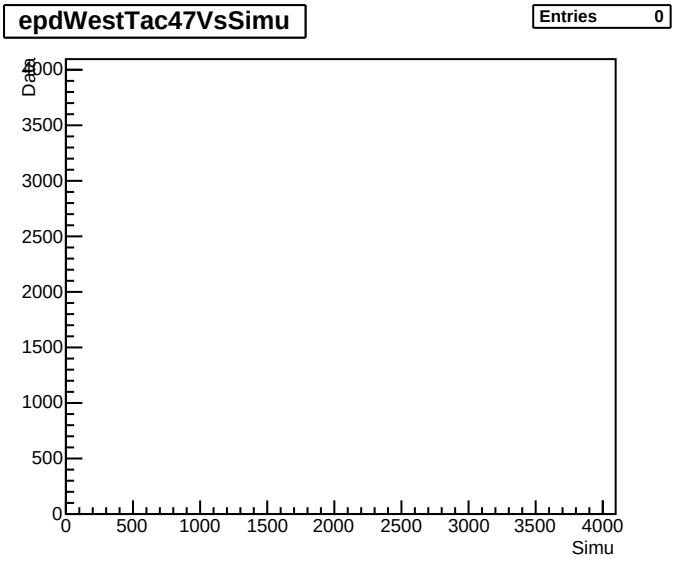
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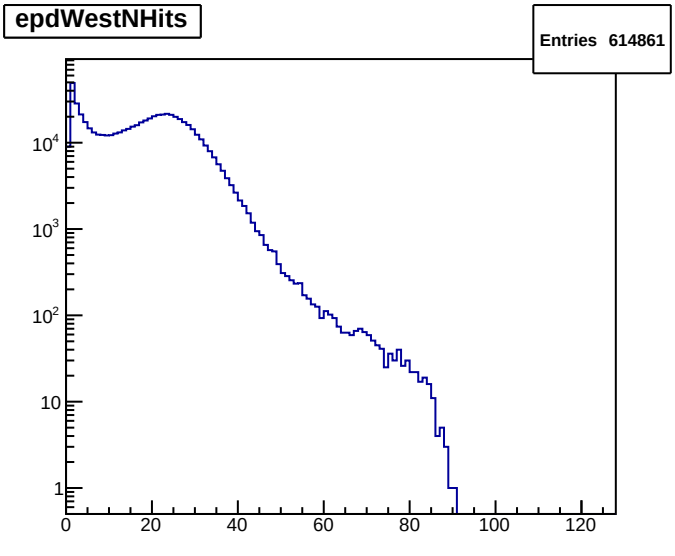
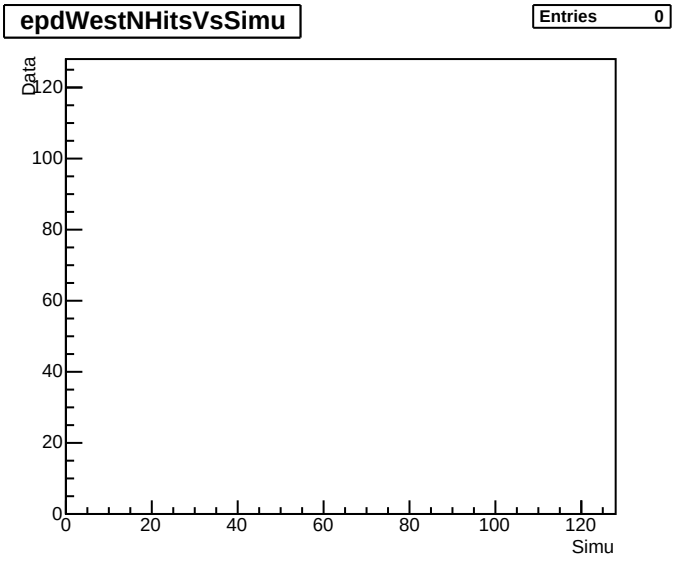
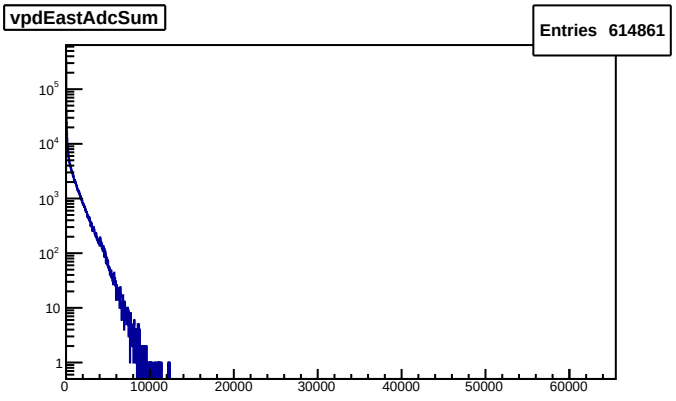
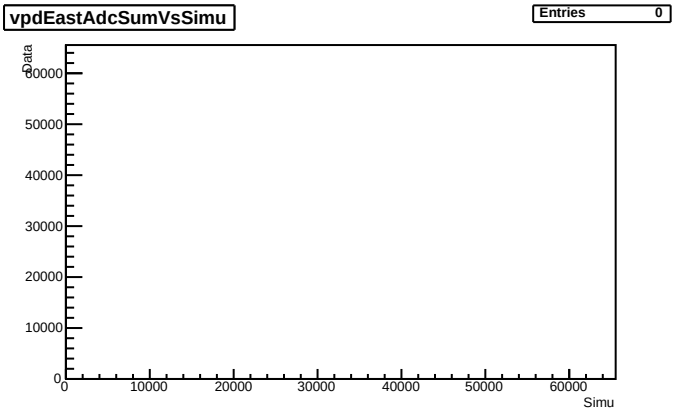
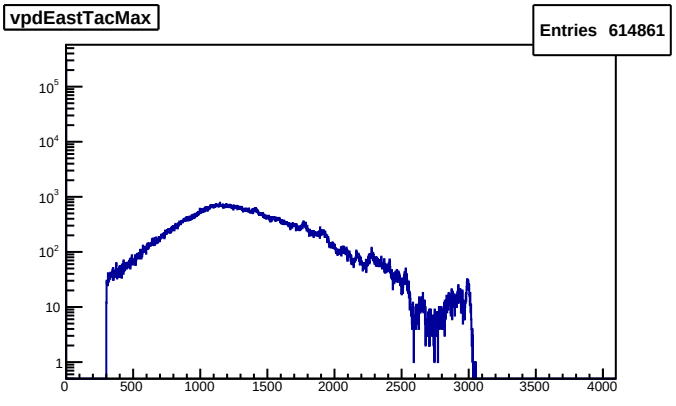
Entries 0
Data
Simu


epdWestNHits
Entries 614861


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 614861


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
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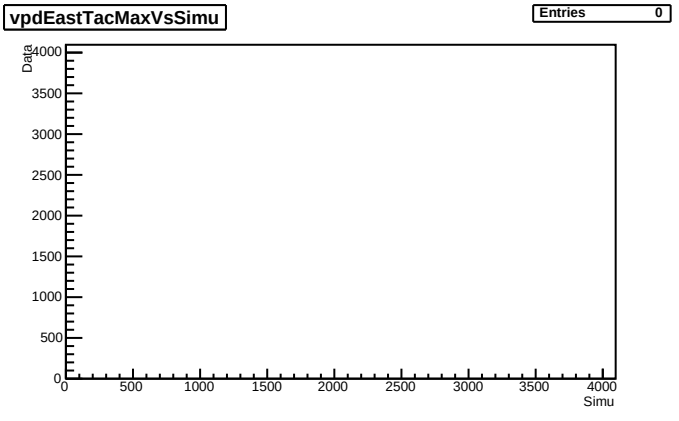
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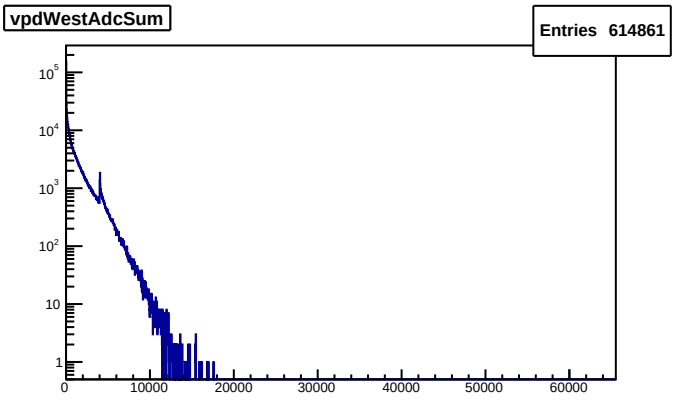
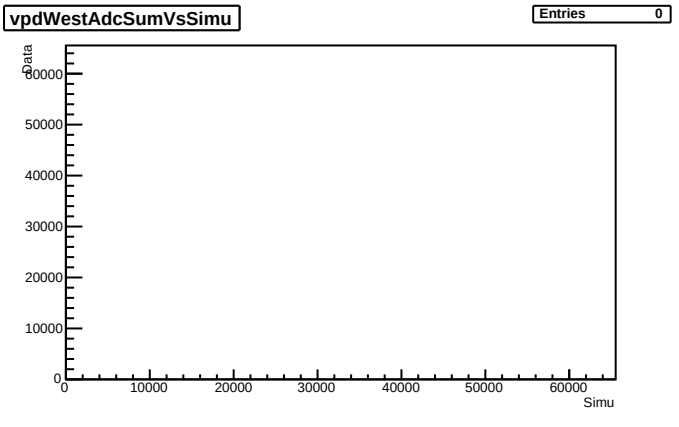
Entries 0
Data
Simu


vpdWestAdcSum
Entries 614861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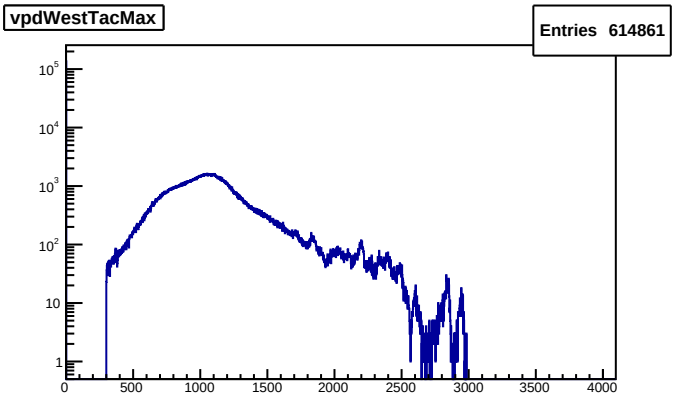
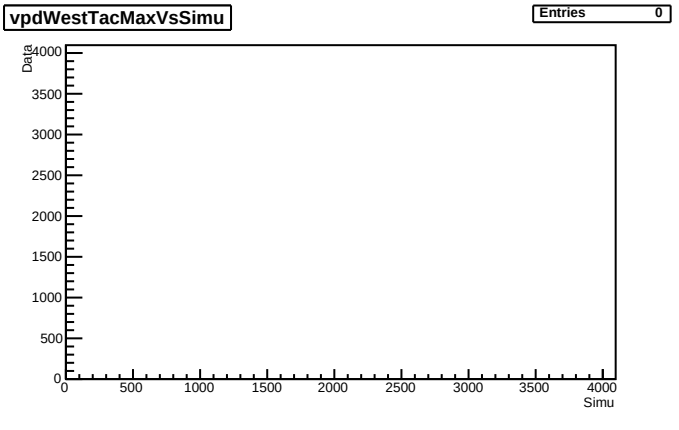
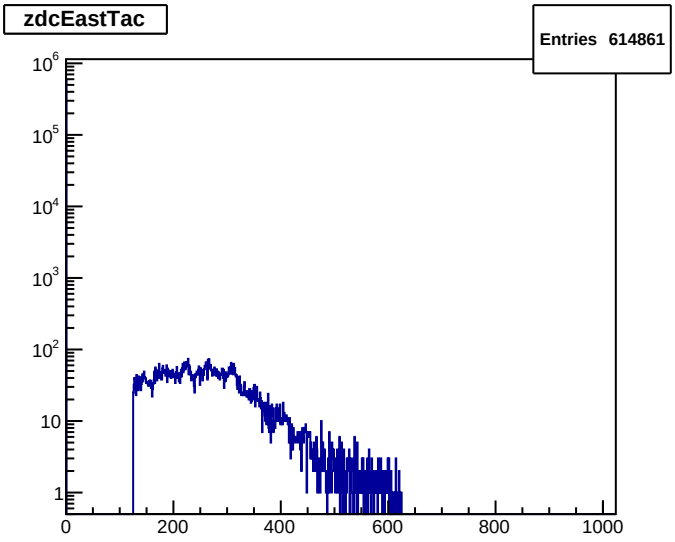
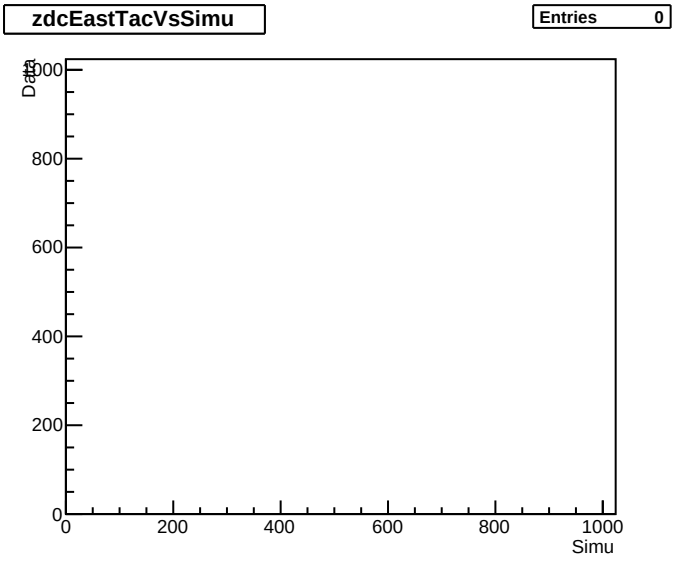
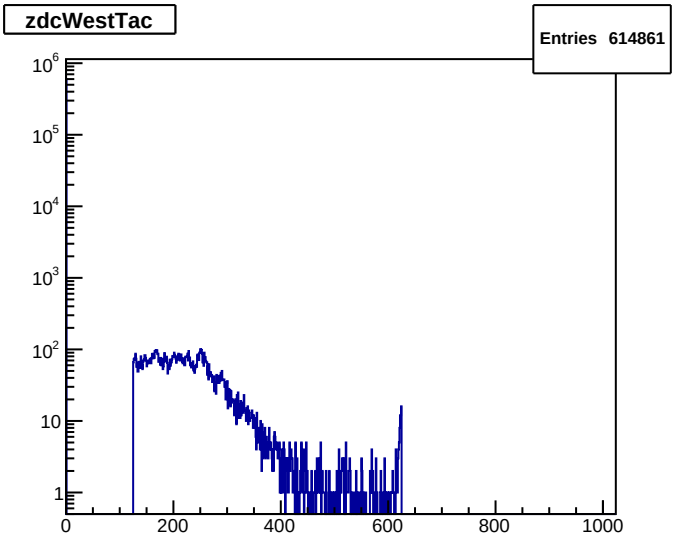
Entries 0
Data
Simu

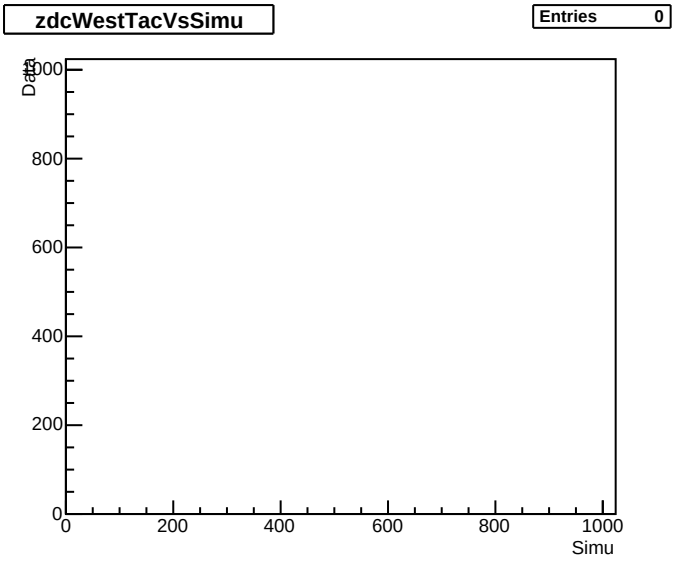

vpdWestTacMax
Entries 614861

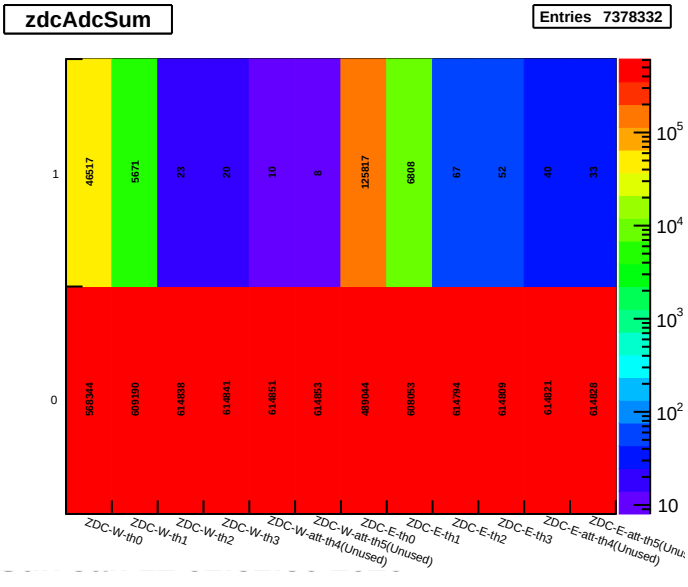

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 614861


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 614861


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 7378332
46517
5671
23
20
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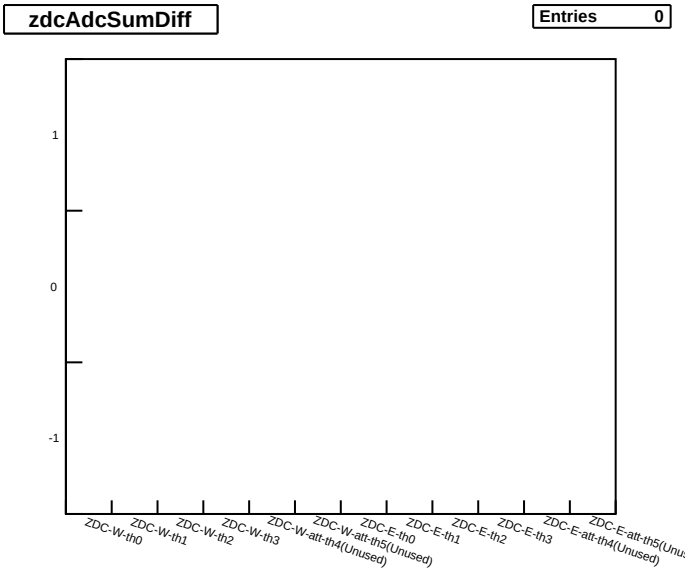
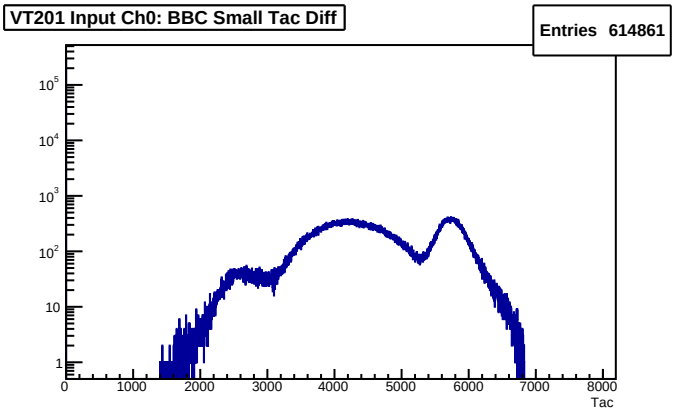
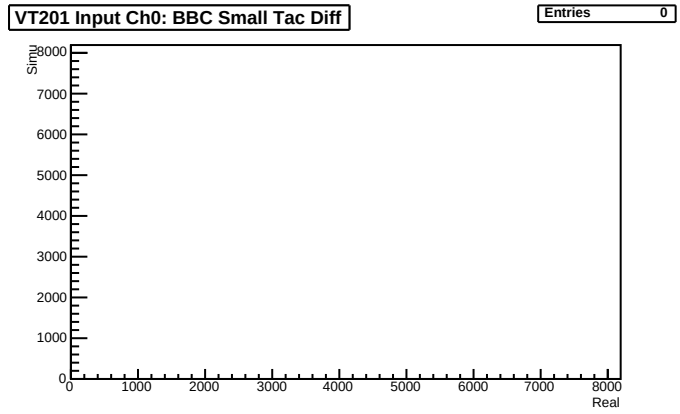
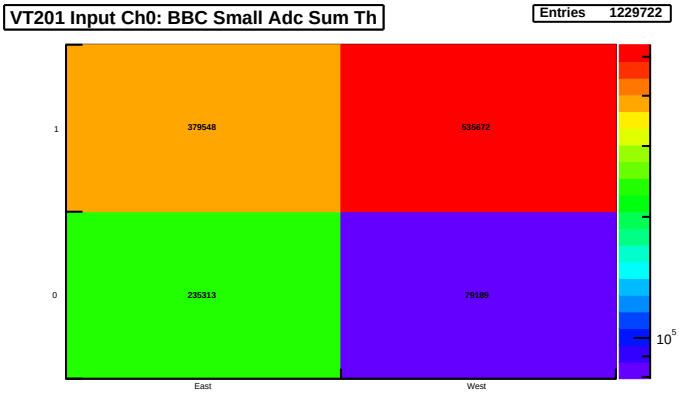
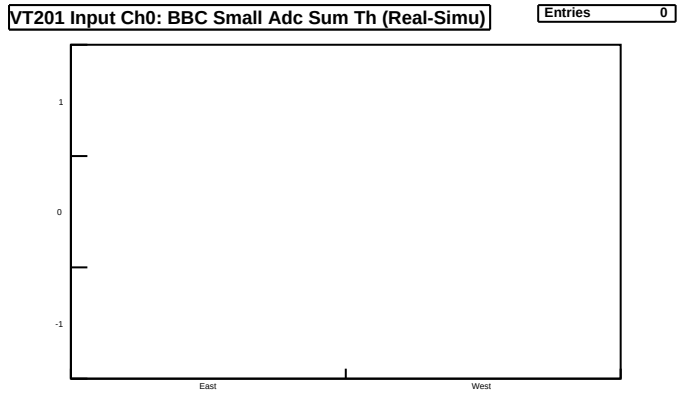
8
125817
6808
67
52
40
33
568344
609190
614838
614841
614851
614853
489044
608653
614794
614809
614821
614828
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

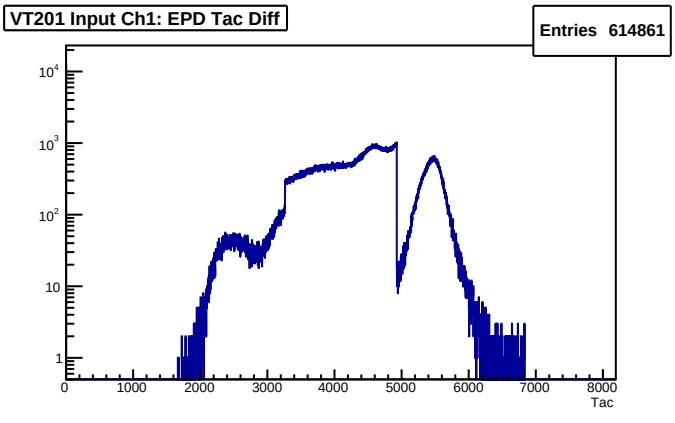

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

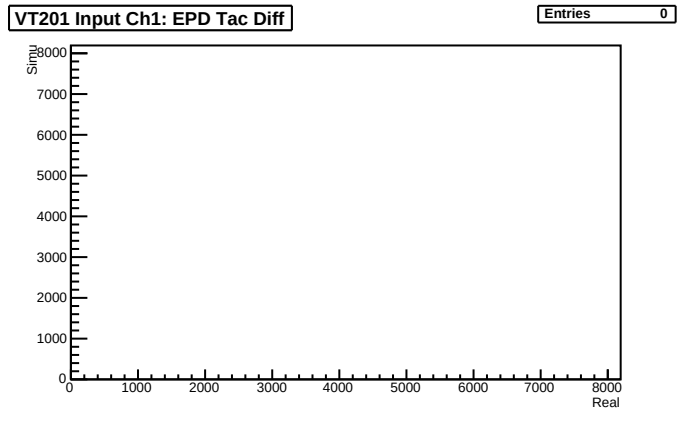

VT201 Input Ch0: BBC Small Tac Diff
Entries 614861
Tac

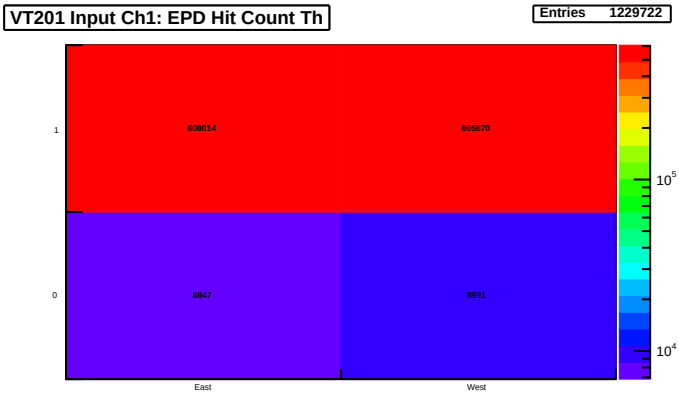

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

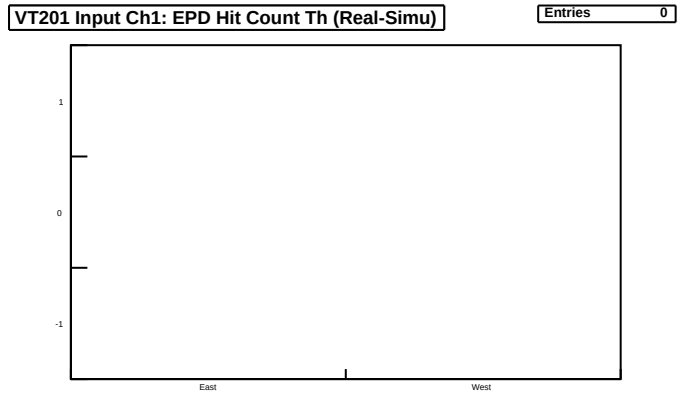

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1229722
379548
535672
235313
79189
East
West

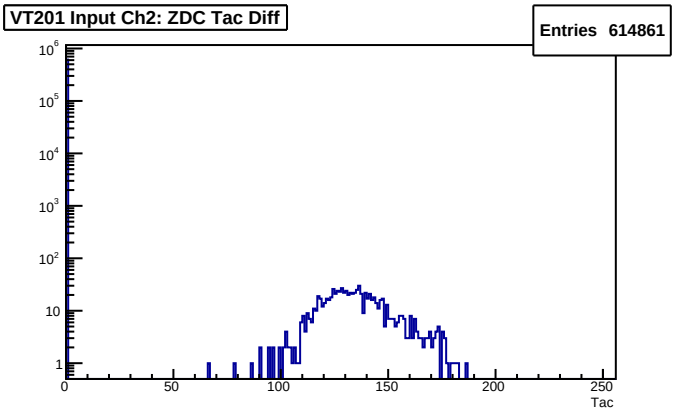

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

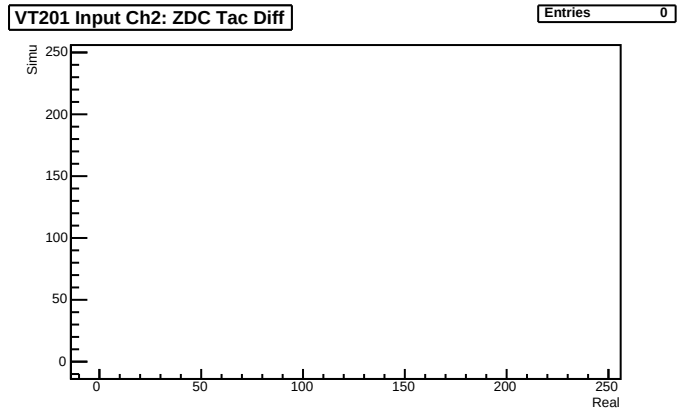

VT201 Input Ch1: EPD Tac Diff
Entries 614861
Tac

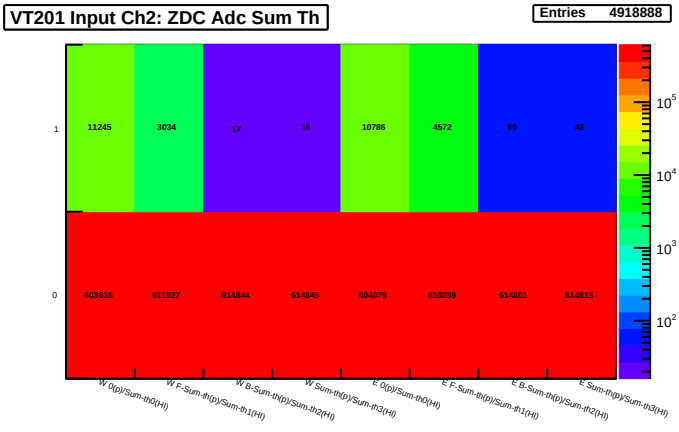

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

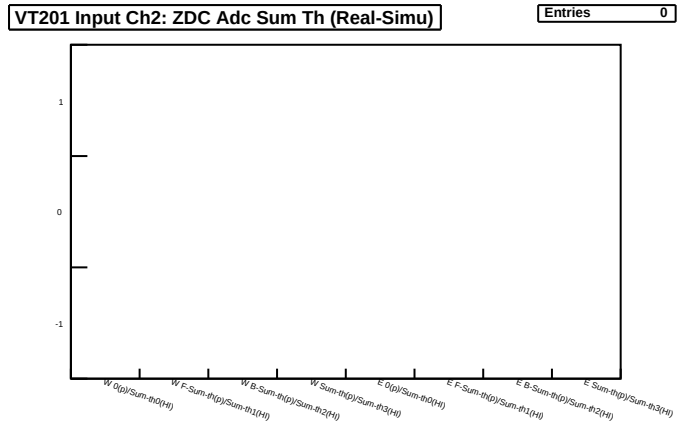

VT201 Input Ch1: EPD Hit Count Th
Entries 1229722
608014
605870
6847
8991
East
West

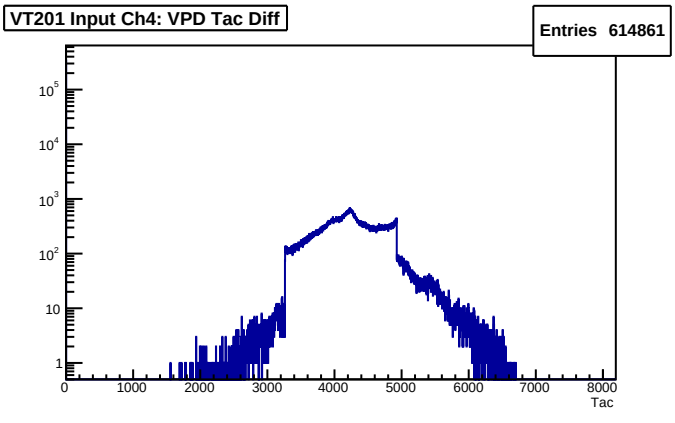

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

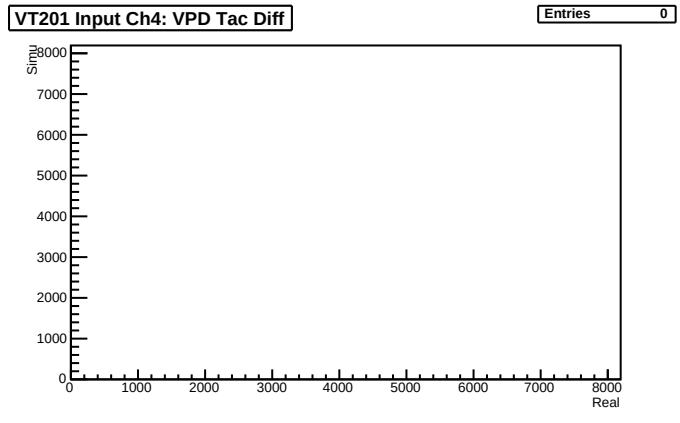

VT201 Input Ch2: ZDC Tac Diff
Entries 614861
Tac

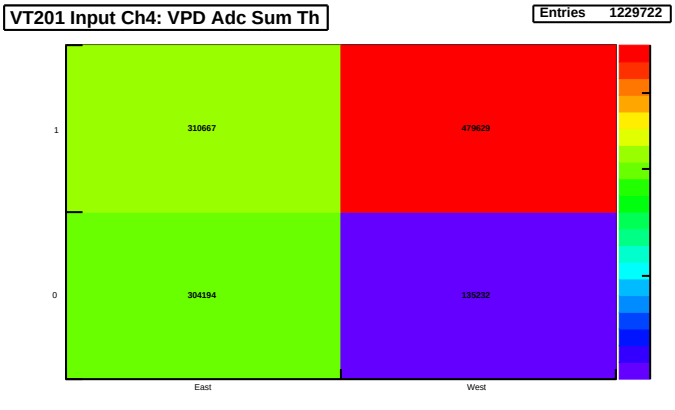

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

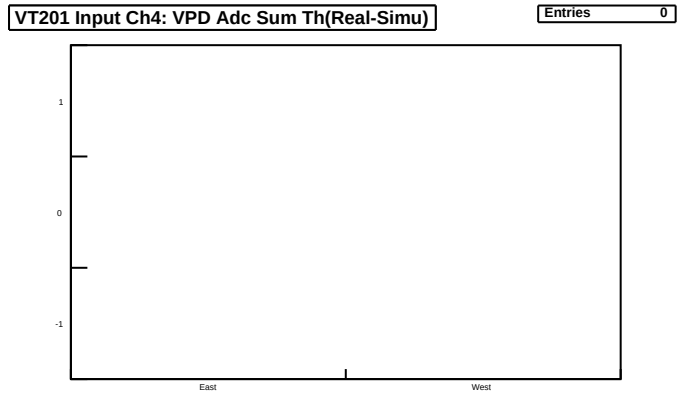

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4918888
11245
3034
17
16
10786
4572
60
46
603616
611827
614844
614845
604075
610289
614801
614815
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

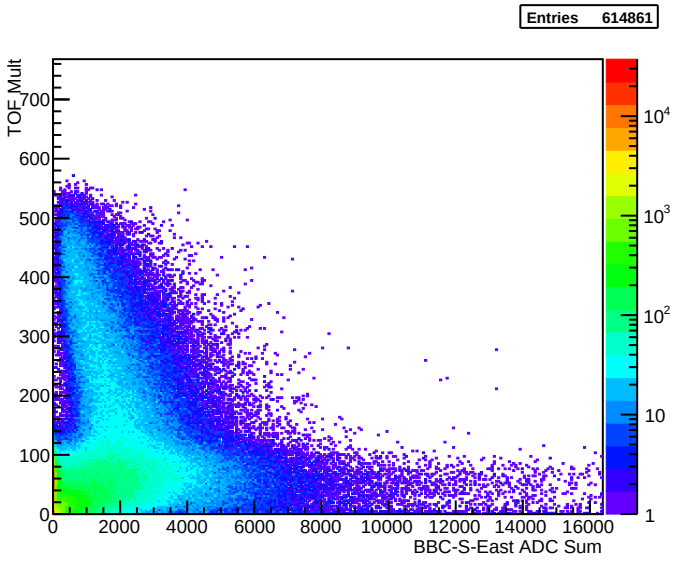

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

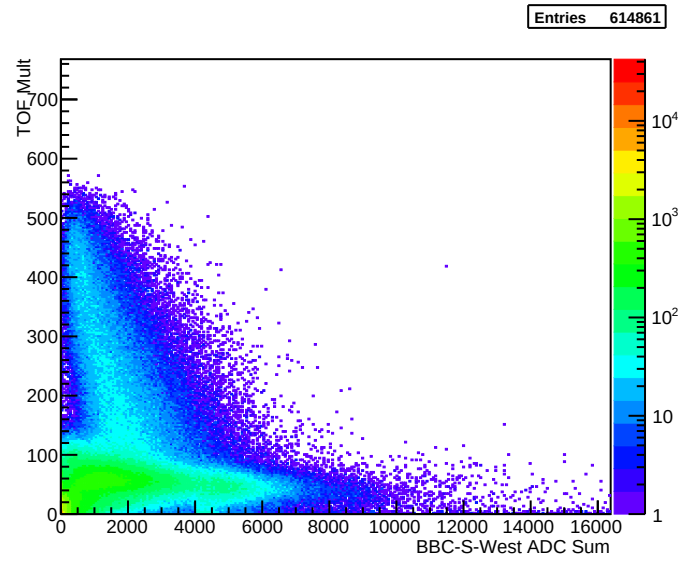

VT201 Input Ch4: VPD Tac Diff
Entries 614861
Tac

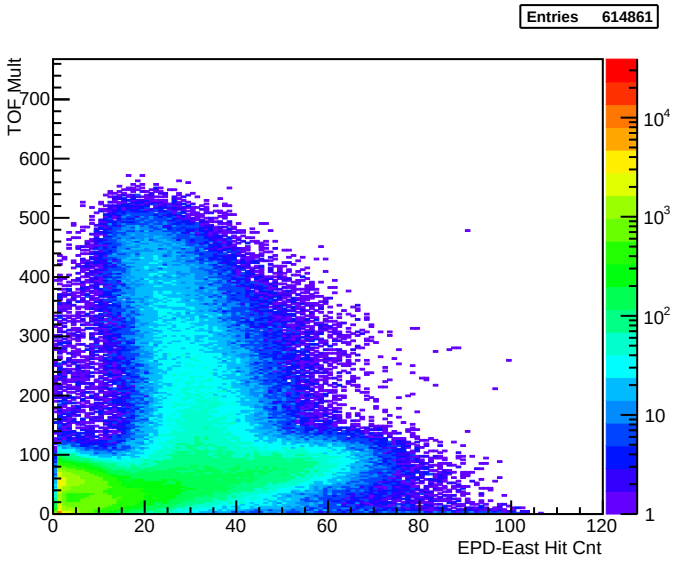

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

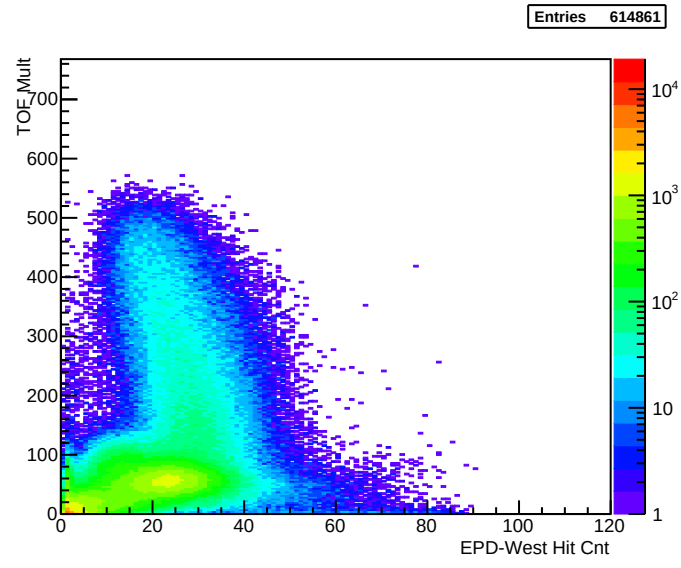

VT201 Input Ch4: VPD Adc Sum Th
Entries 1229722
310667
470629
304194
135232
East
West

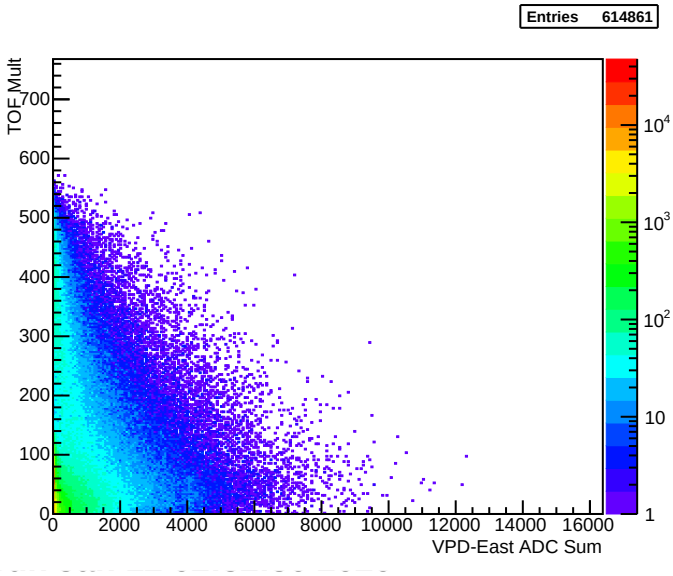

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

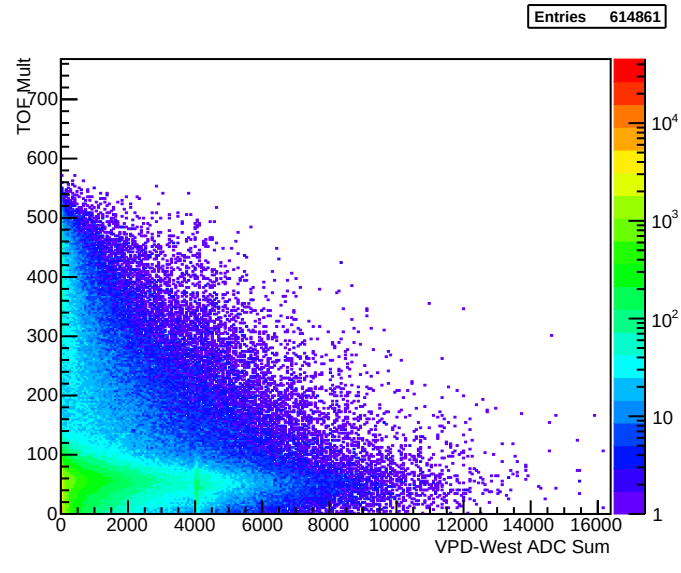

Entries 614861
TOF_Mult
BBC-S-East ADC Sum

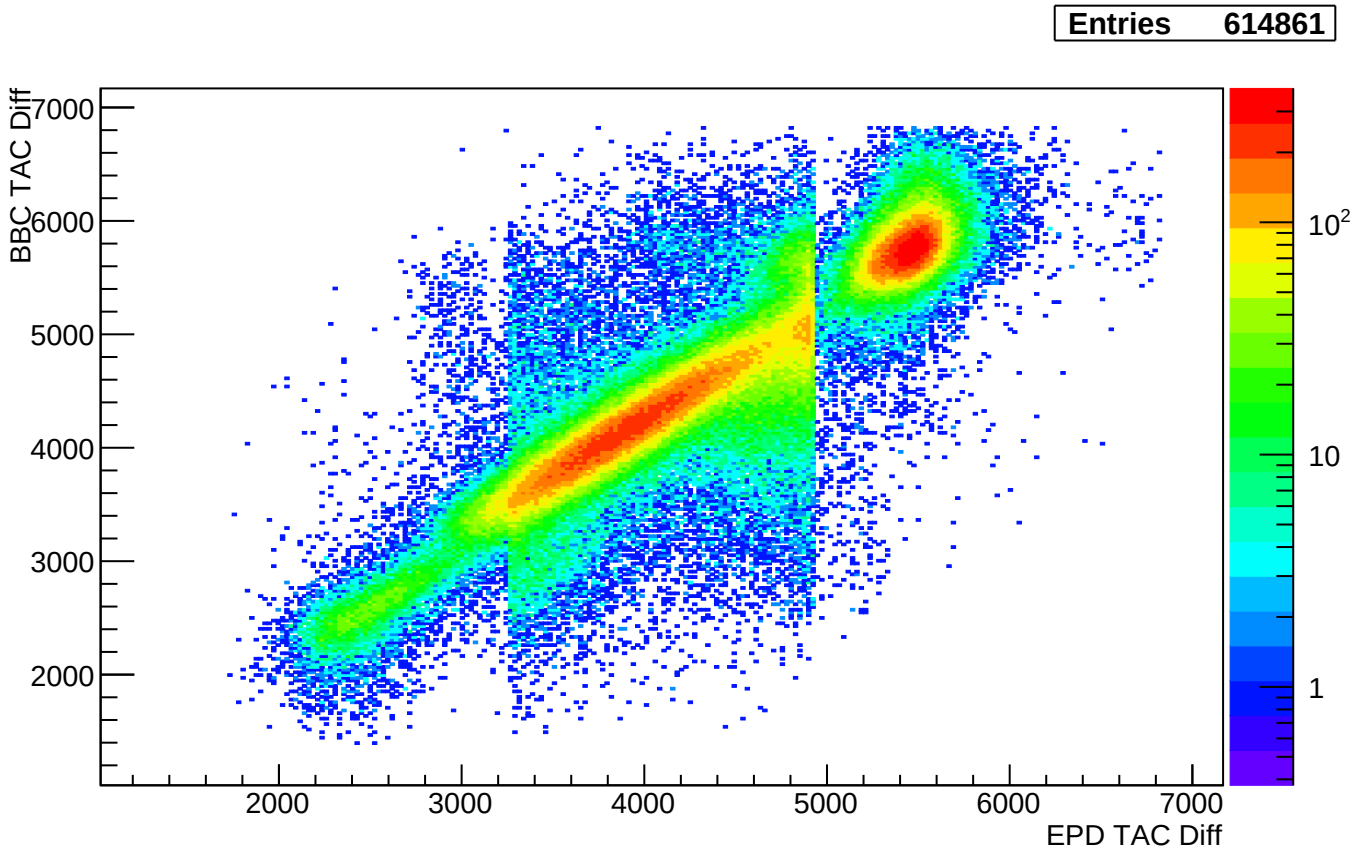

Entries 614861
TOF_Mult
BBC-S-West ADC Sum

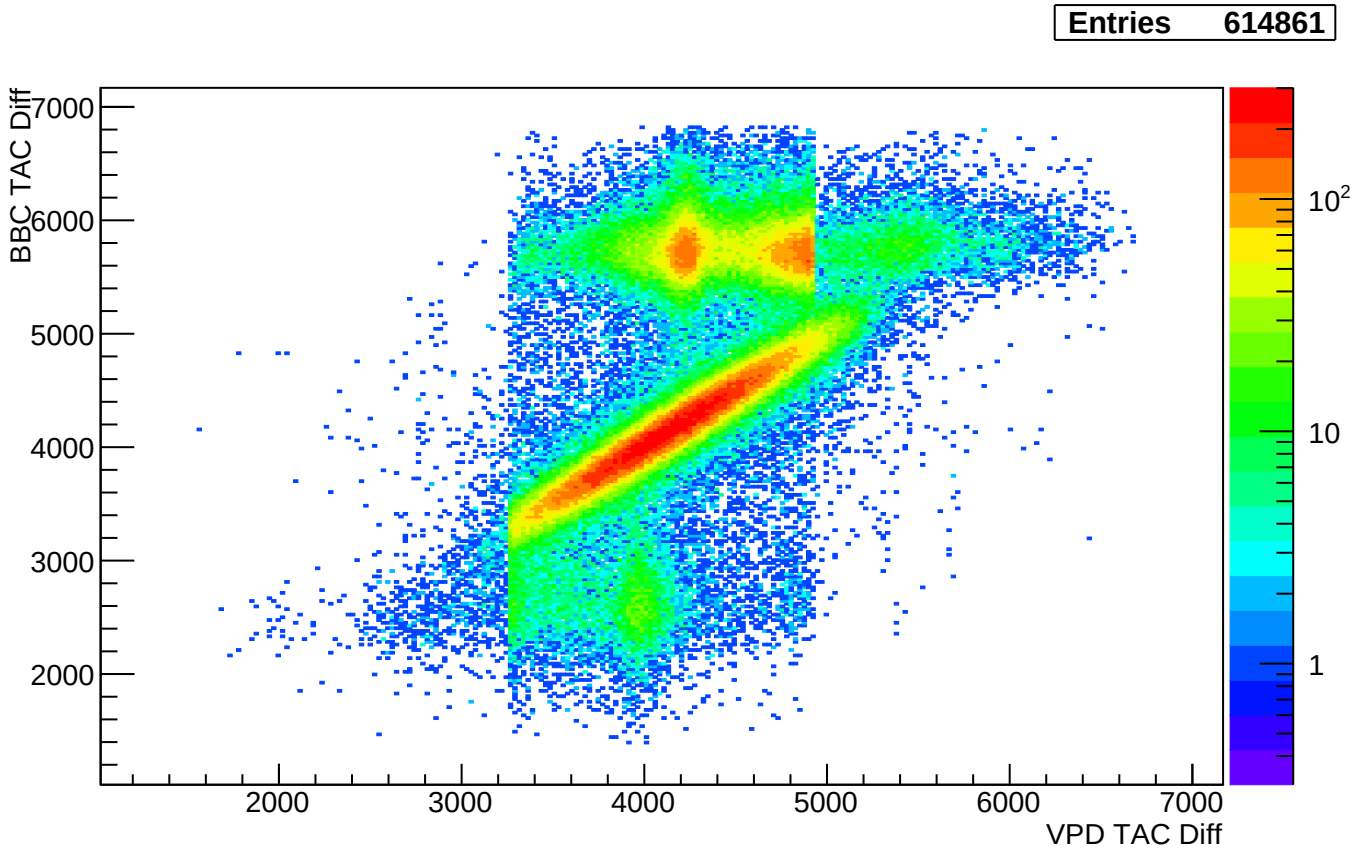

Entries 614861
TOF_Mult
EPD-East Hit Cnt

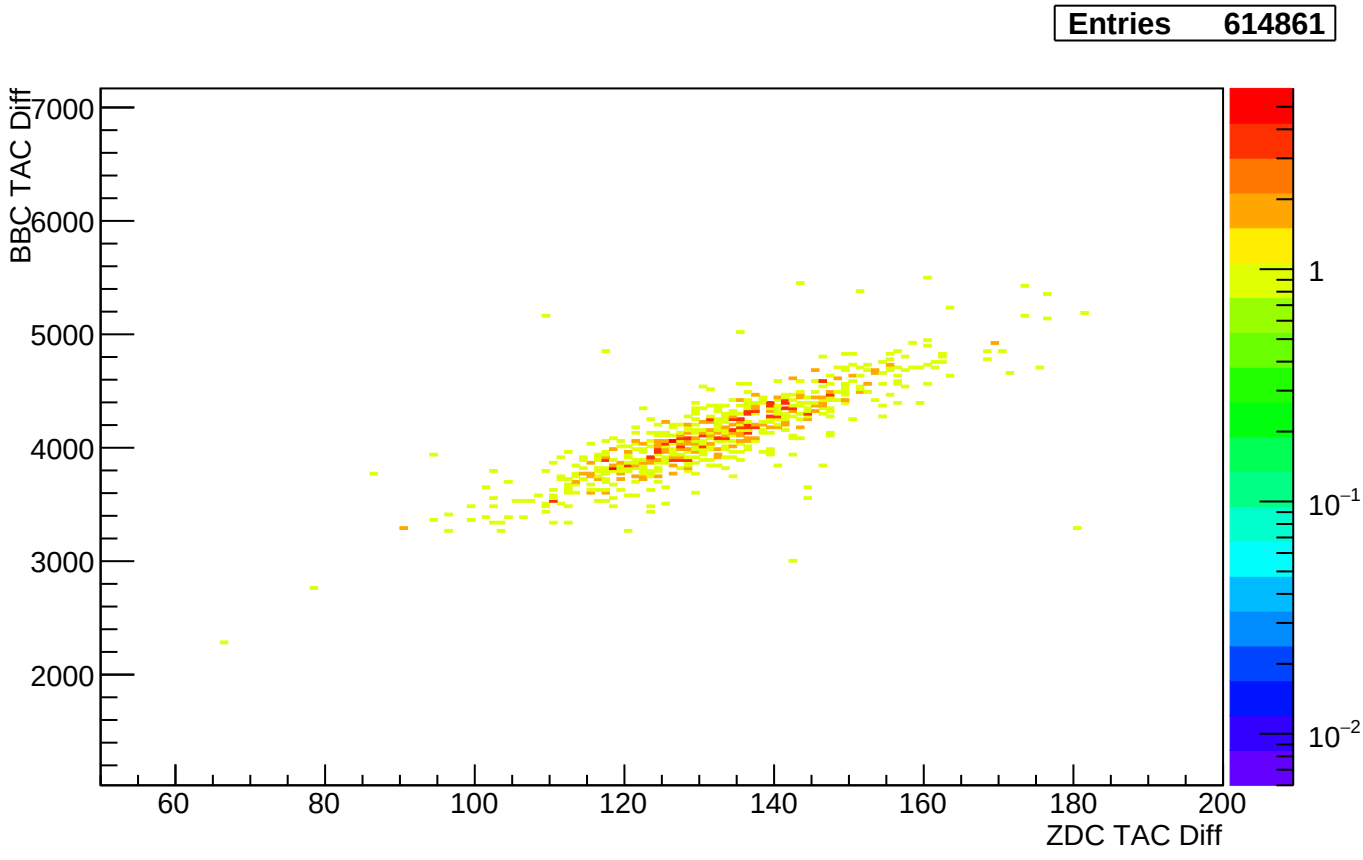

Entries 614861
TOF_Mult
EPD-West Hit Cnt

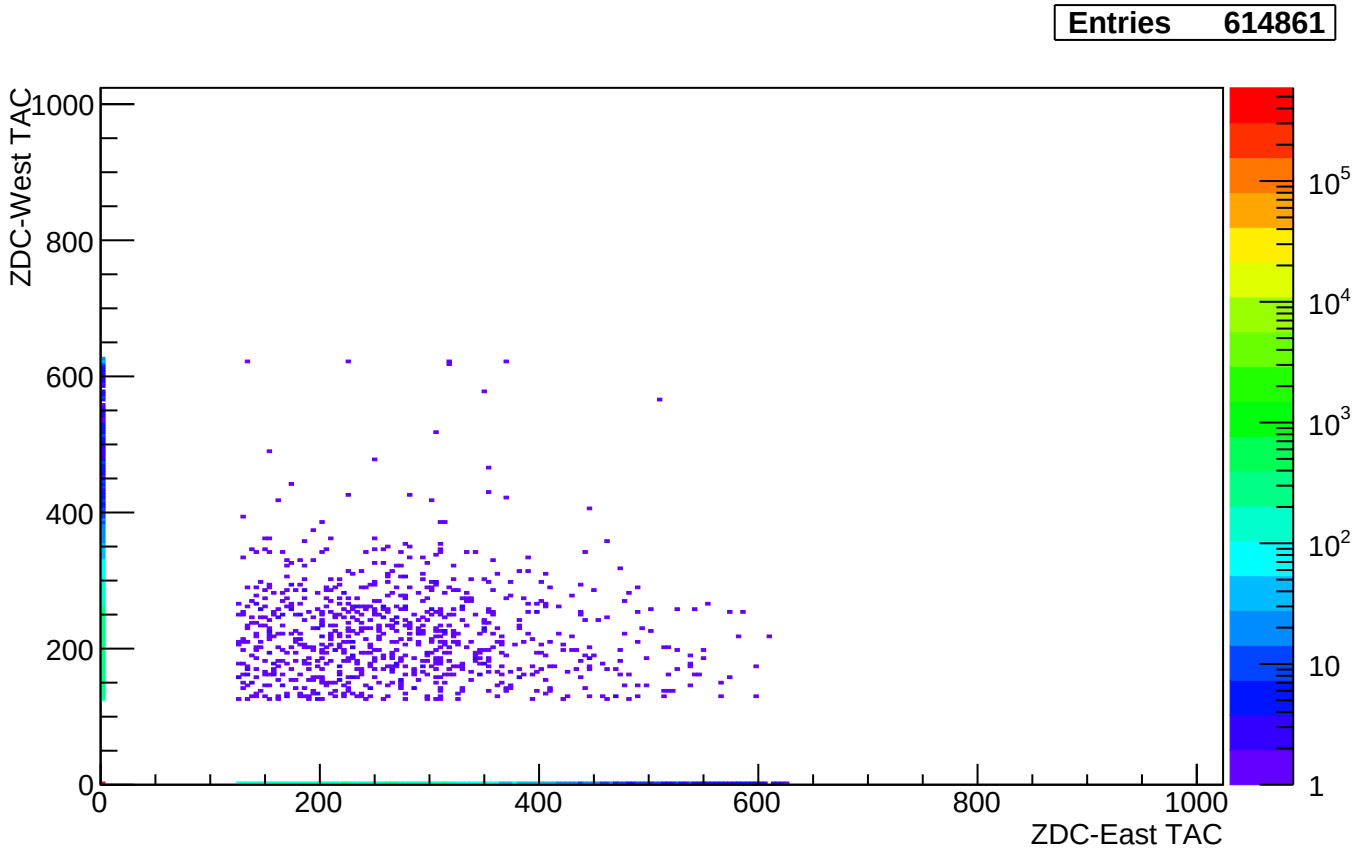

Entries 614861
TOF_Mult
VPD-East ADC Sum

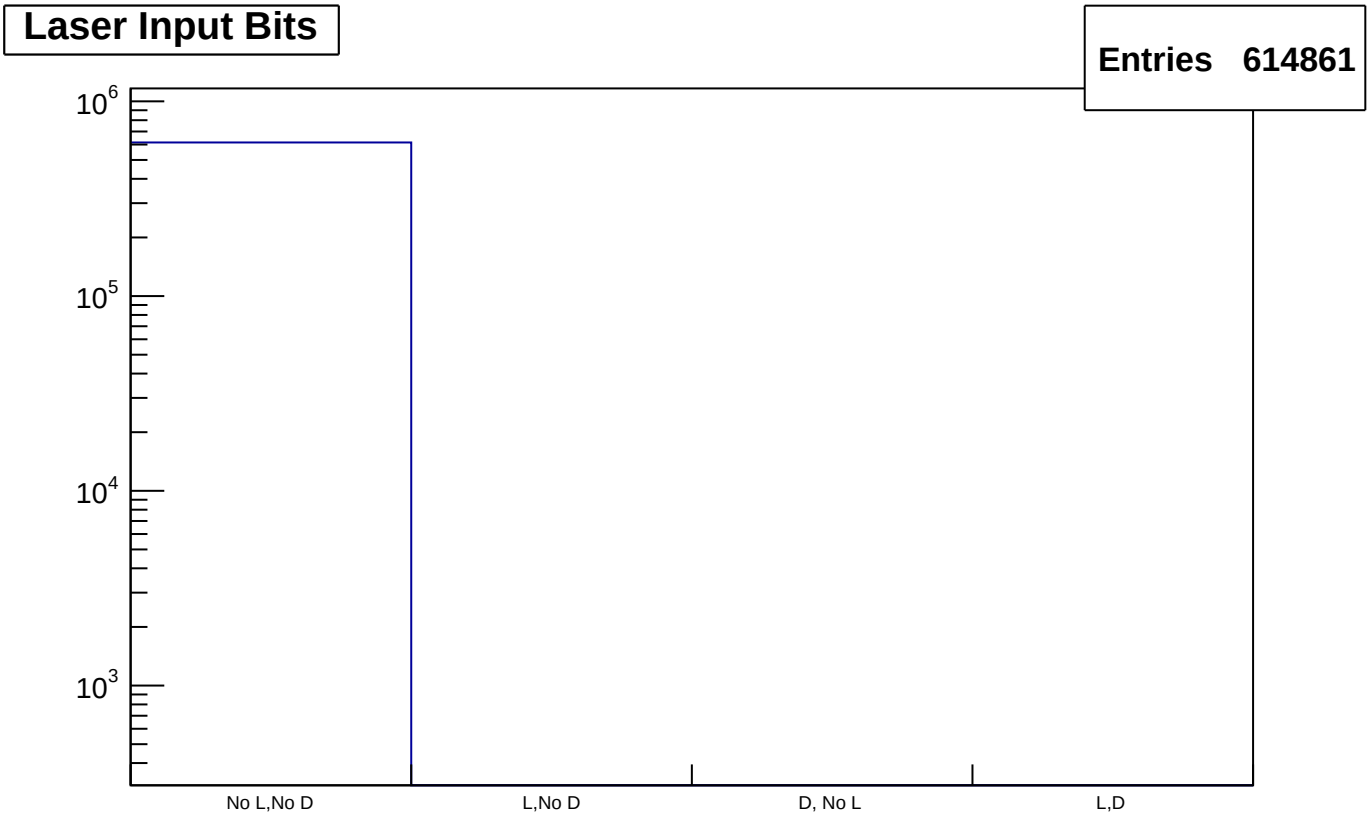

Entries 614861
TOF_Mult
VPD-West ADC Sum

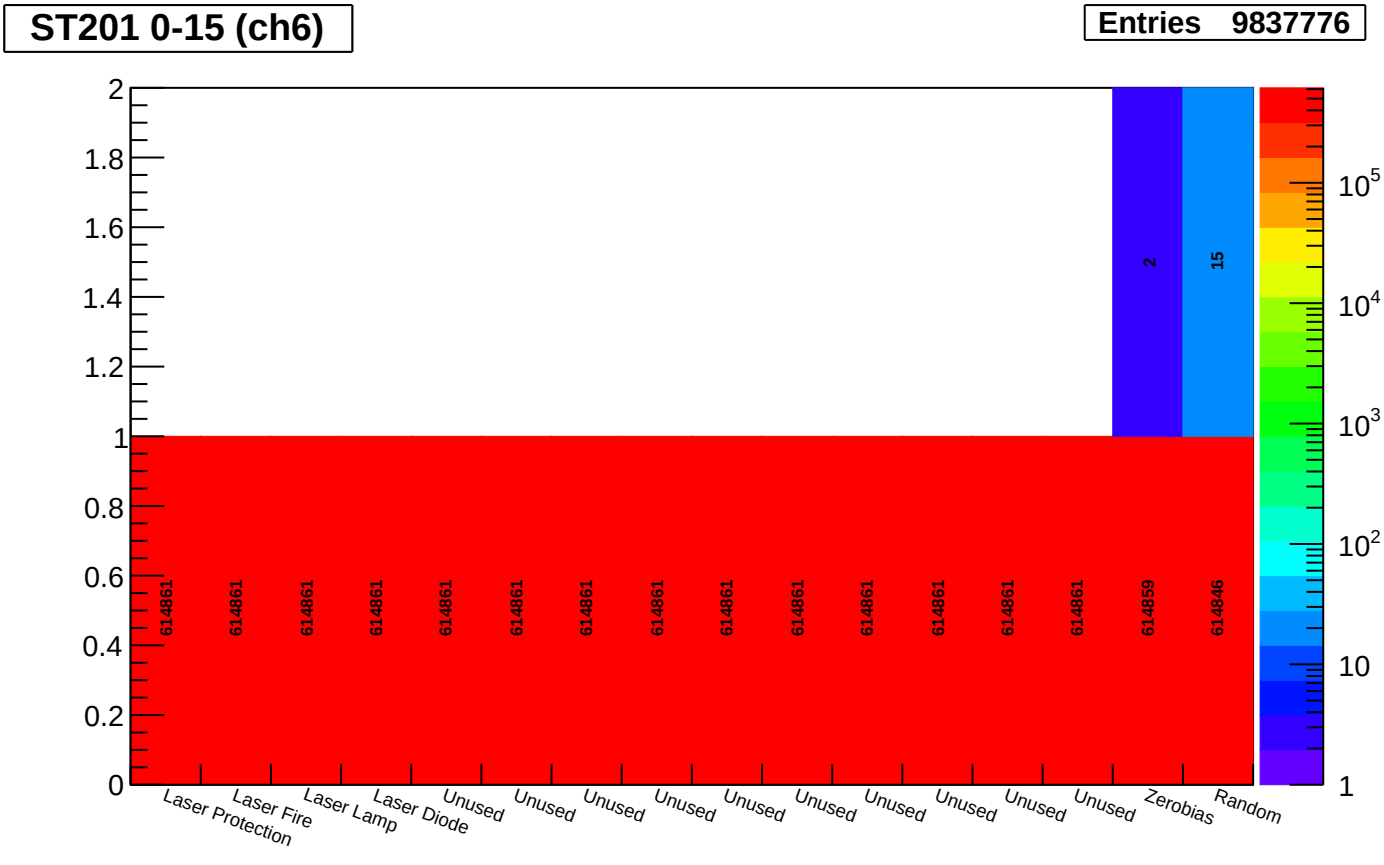

Entries 614861
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

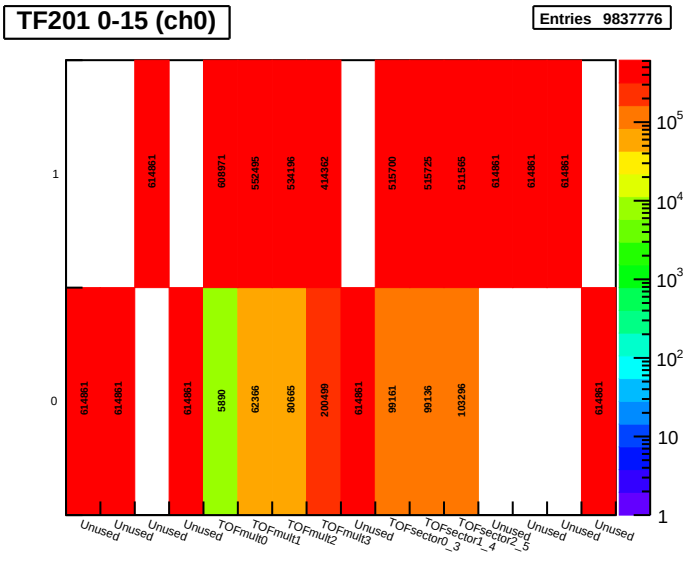

Entries 614861
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

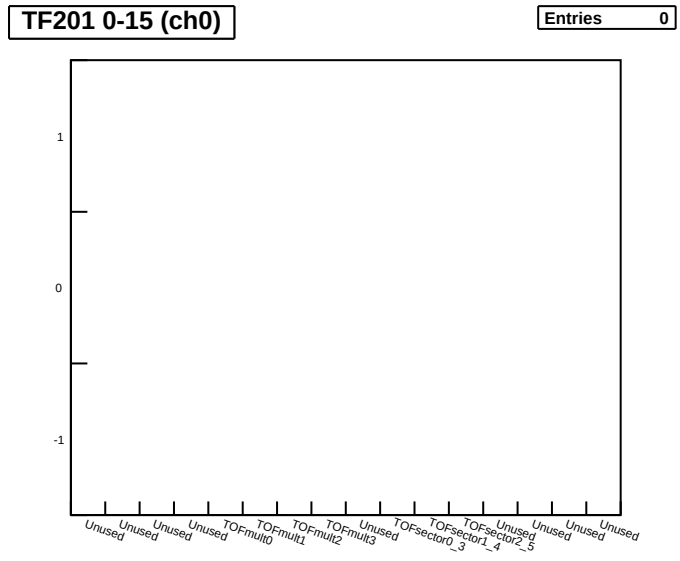

Entries 614861
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

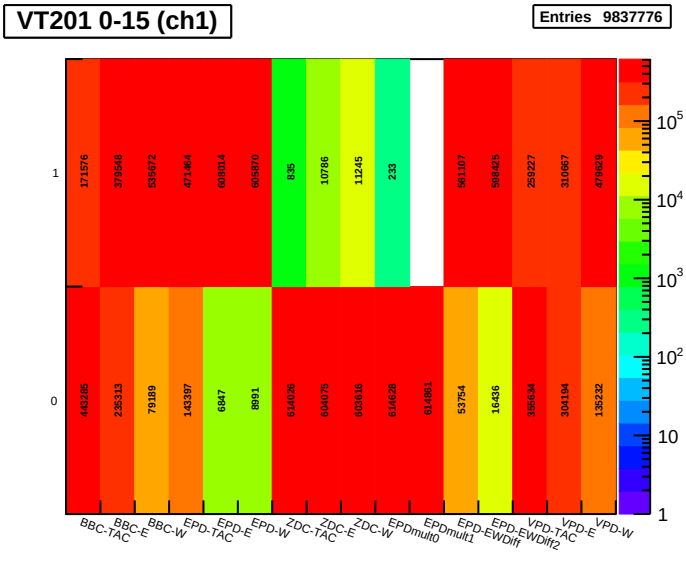

Entries 614861
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

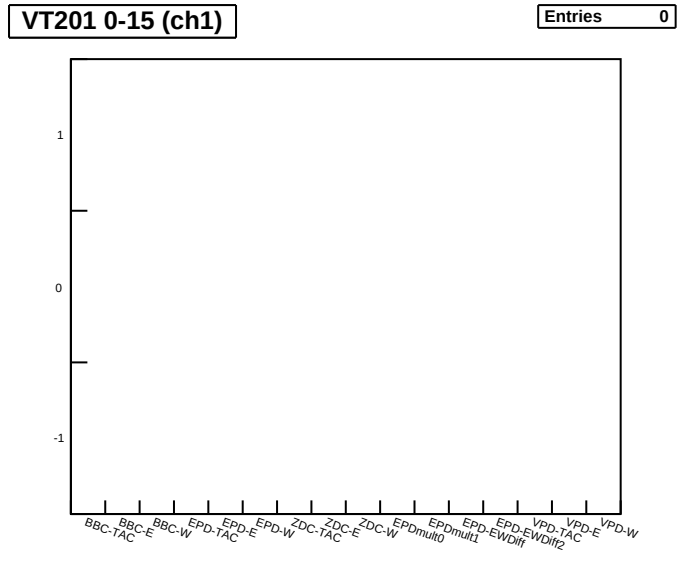

Laser Input Bits
Entries 614861
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

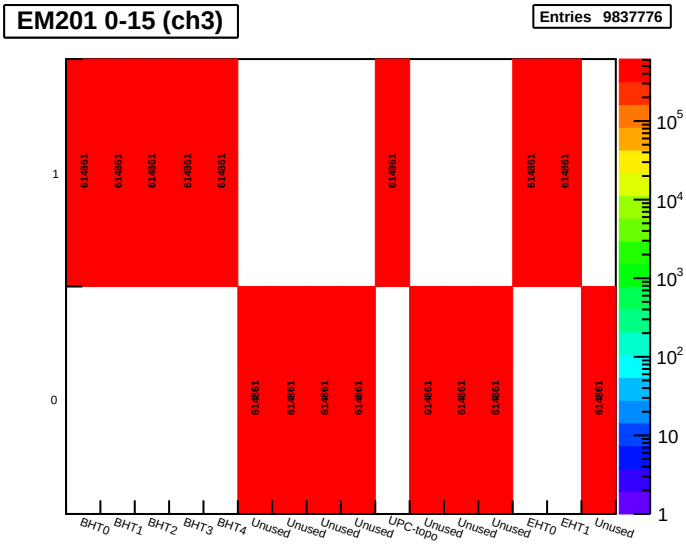

ST201 0-15 (ch6)
Entries 9837776
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614859
614846
2
15
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

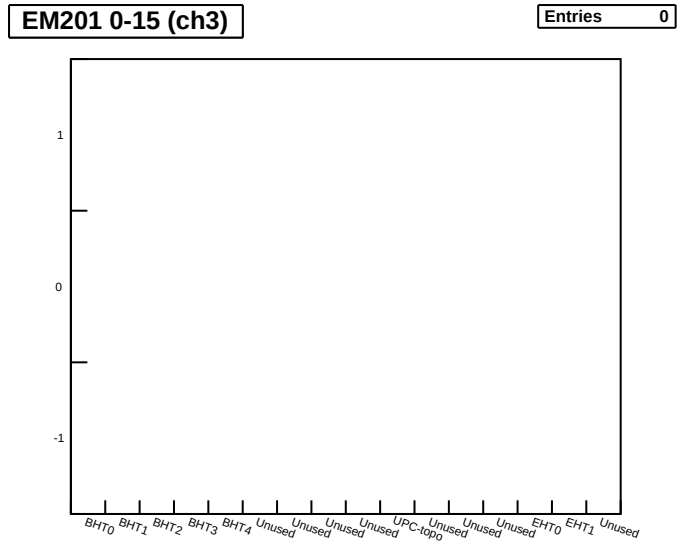

TF201 0-15 (ch0)
Entries 9837776
1
0
614861
608971
552495
534196
414362
515700
515725
511565
614861
614861
614861
614861
614861
614861
5890
62366
80665
200499
614861
99161
99136
103296
614861
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 9837776
1
0
171576
379548
535672
471464
608014
605870
835
10786
11245
233
561107
598425
259227
310667
479629
443285
235313
79189
143397
6847
8991
614026
604075
603616
614628
614861
53754
16436
355634
304194
135232
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


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


EM201 0-15 (ch3)
Entries 9837776
1
0
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
614861
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused