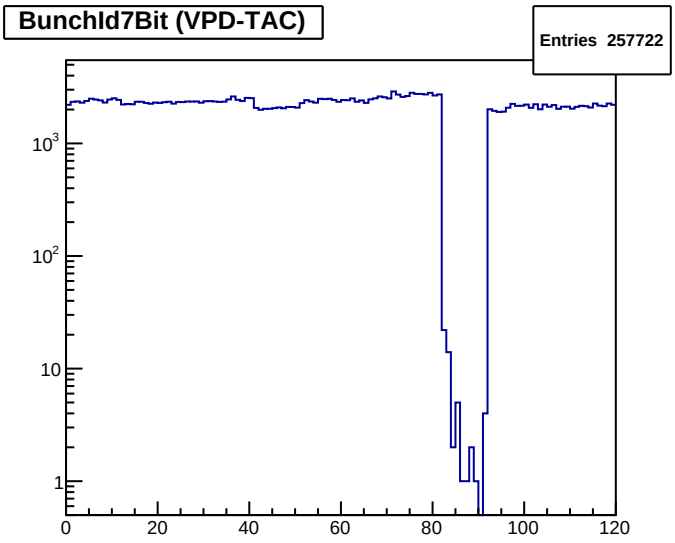
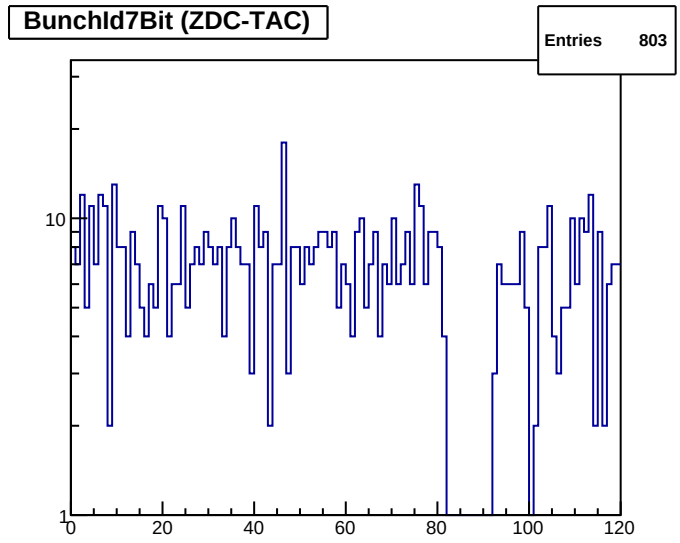
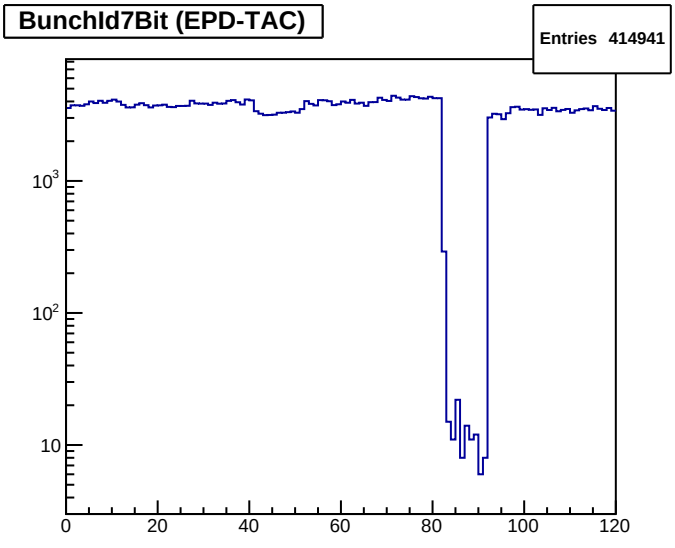
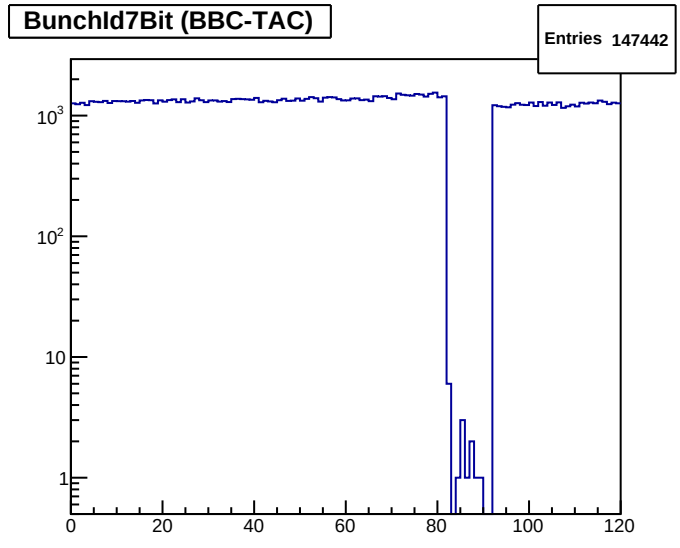
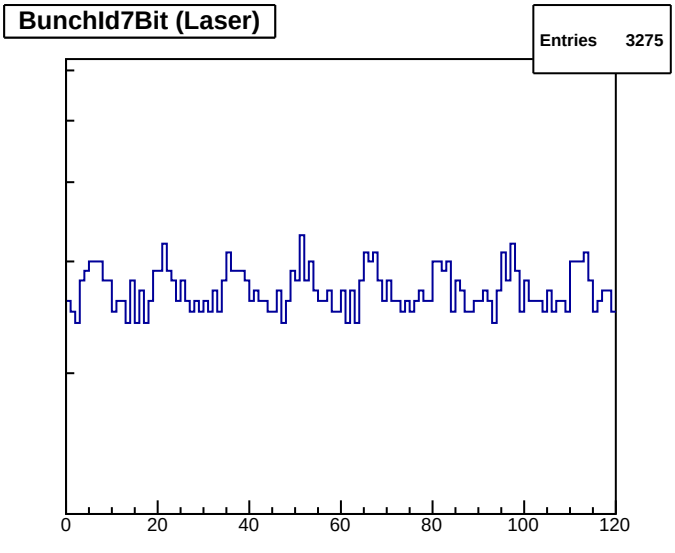
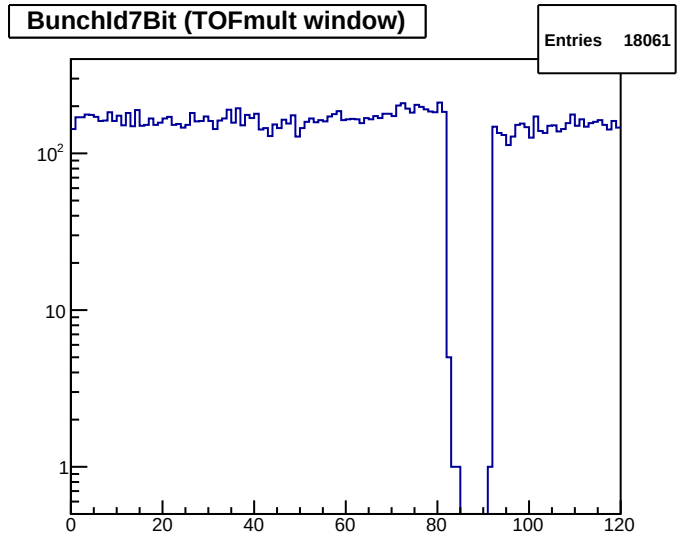

BunchId7Bit (VPD-TAC)
Entries 257722
10^3
10^2
10
1
0
20
40
60
80
100
120

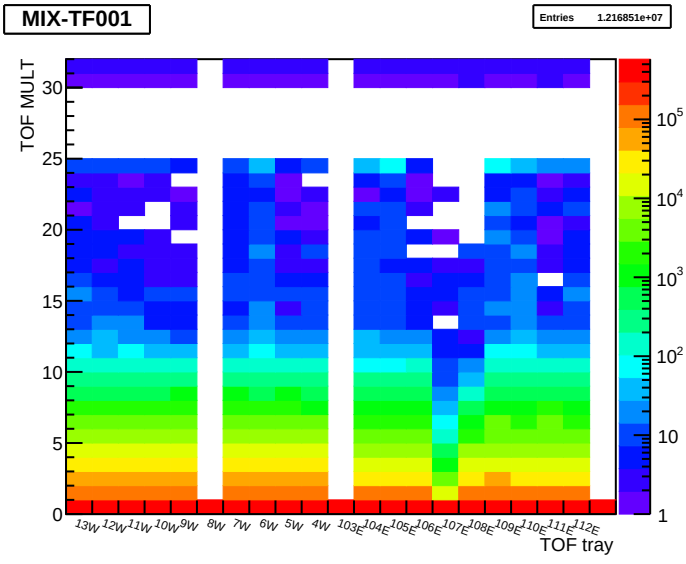

BunchId7Bit (ZDC-TAC)
Entries 803
10
1
0
20
40
60
80
100
120

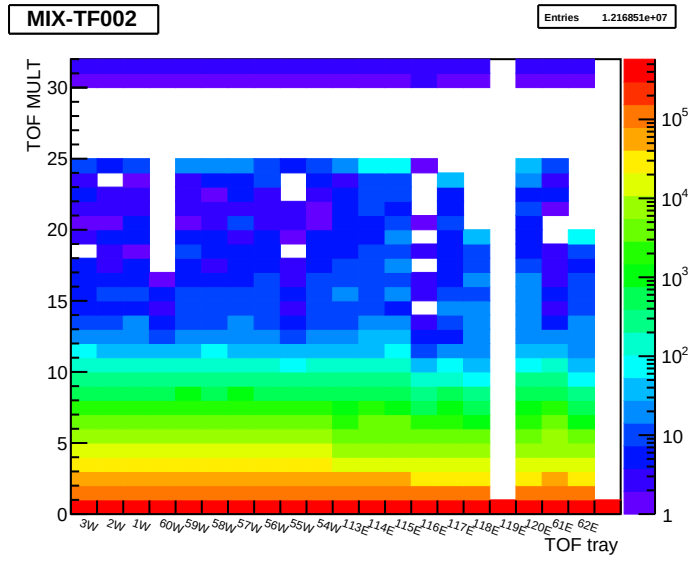

BunchId7Bit (EPD-TAC)
Entries 414941
10^3
10^2
10
0
20
40
60
80
100
120

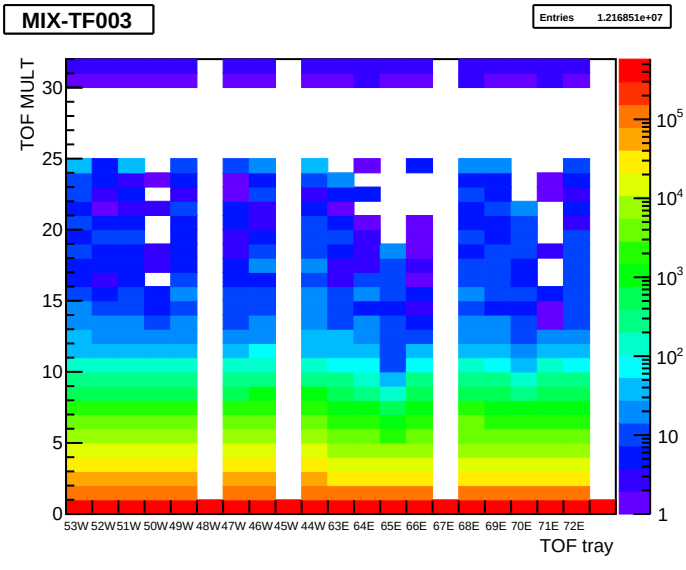

BunchId7Bit (BBC-TAC)
Entries 147442
10^3
10^2
10
1
0
20
40
60
80
100
120

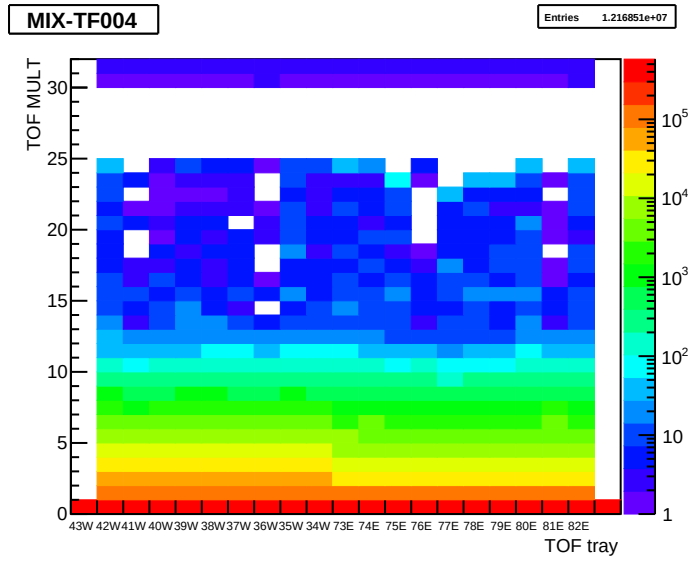

BunchId7Bit (Laser)
Entries 3275
0
20
40
60
80
100
120

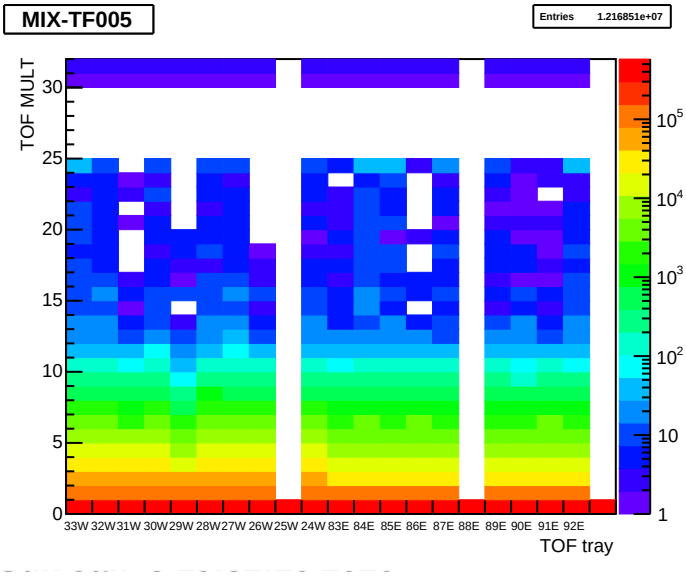

BunchId7Bit (TOFmult window)
Entries 18061
10^2
10
1
0
20
40
60
80
100
120

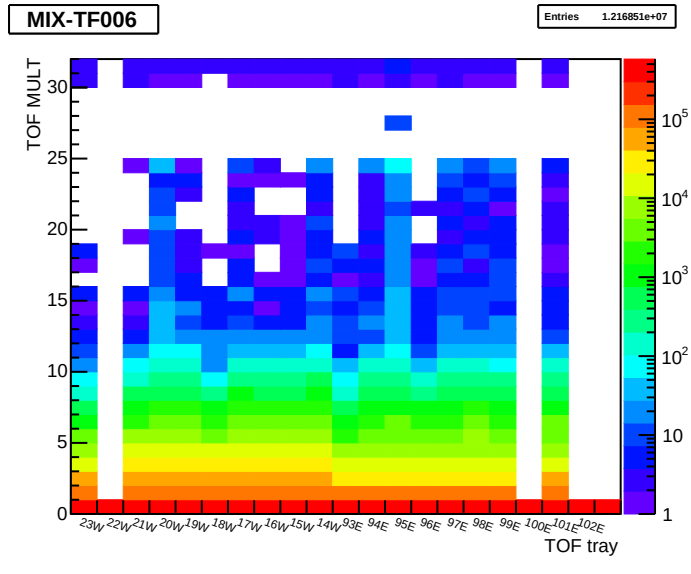

MIX-TF001
Entries 1.216851e+07
TOF MULT
TOF tray

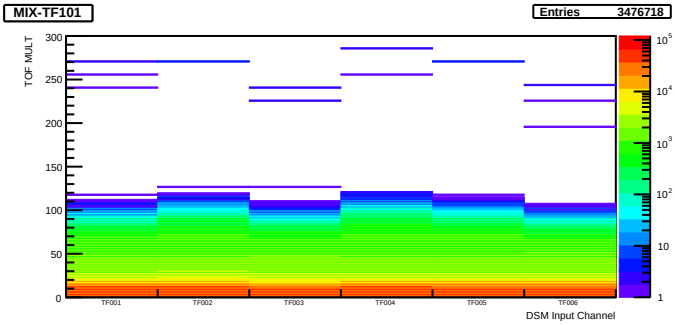

MIX-TF002
Entries 1.216851e+07
TOF MULT
TOF tray

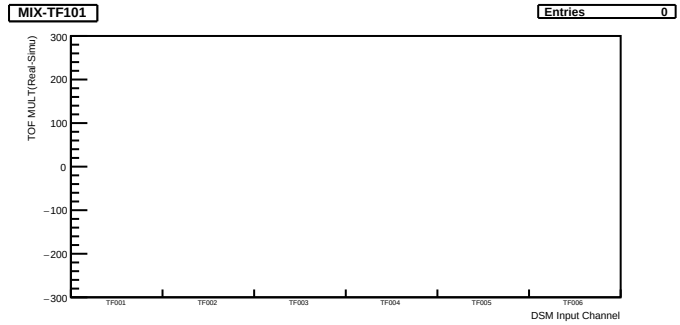

MIX-TF003
Entries 1.216851e+07
TOF MULT
TOF tray

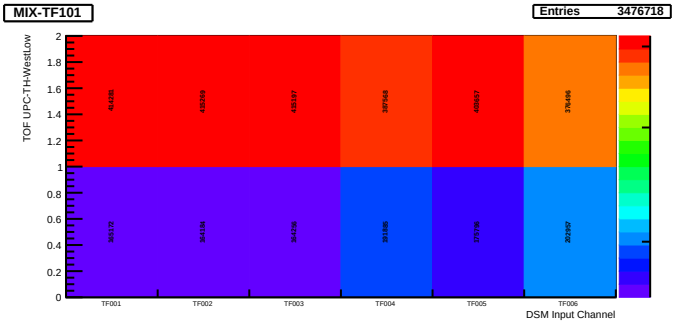

MIX-TF004
Entries 1.216851e+07
TOF MULT
TOF tray

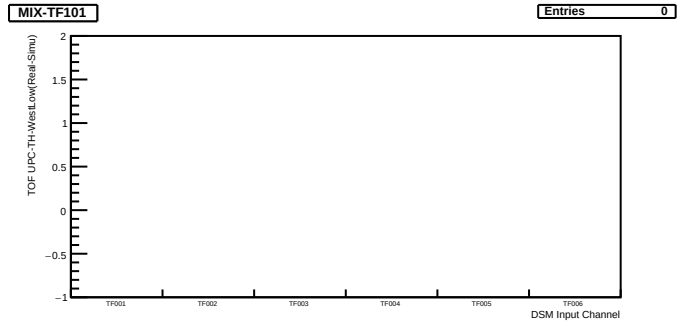

MIX-TF005
Entries 1.216851e+07
TOF MULT
TOF tray

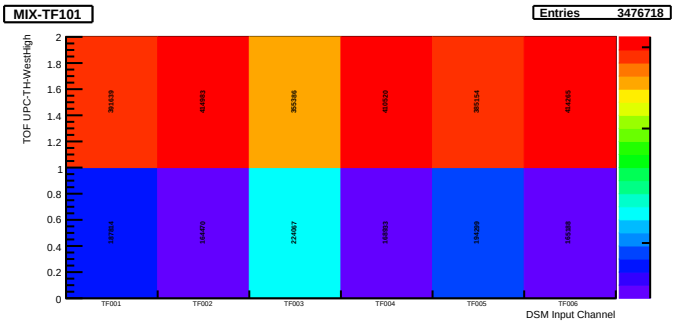

MIX-TF006
Entries 1.216851e+07
TOF MULT
TOF tray

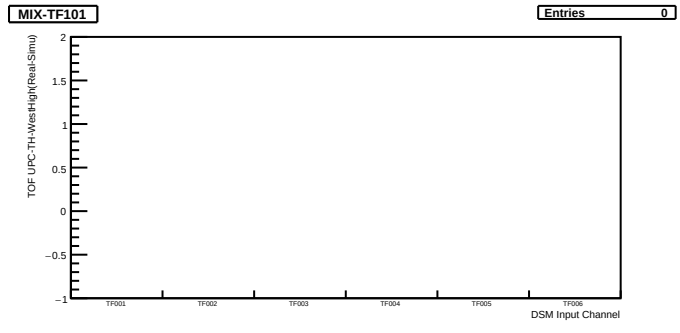

MIX-TF101
Entries 3476718
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

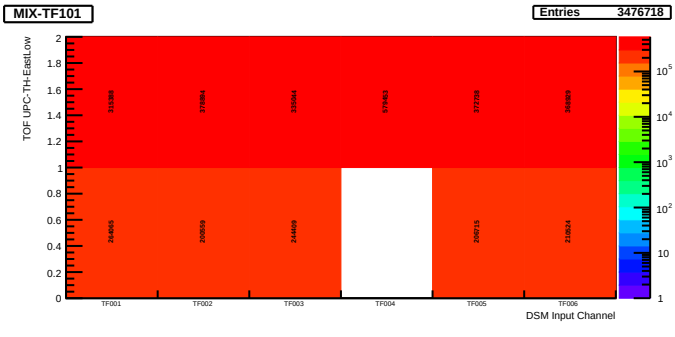

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

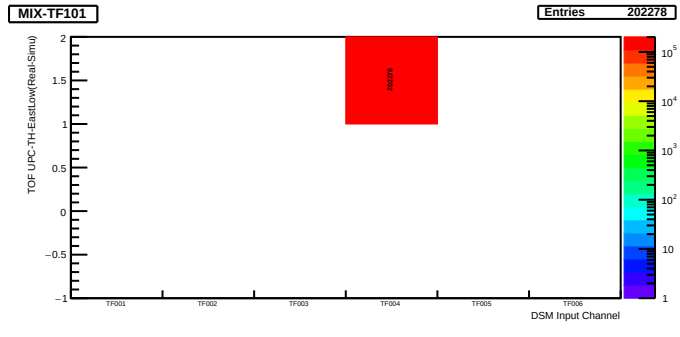

MIX-TF101
Entries 3476718
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

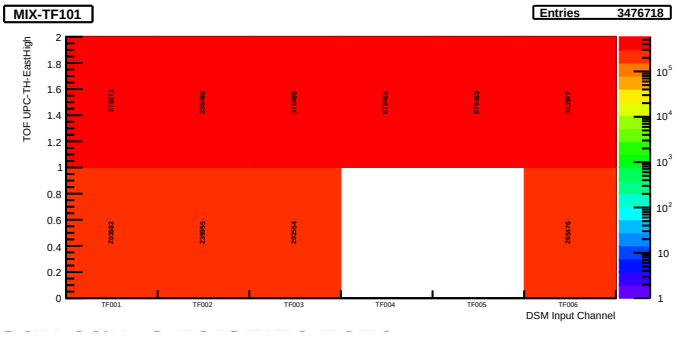

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

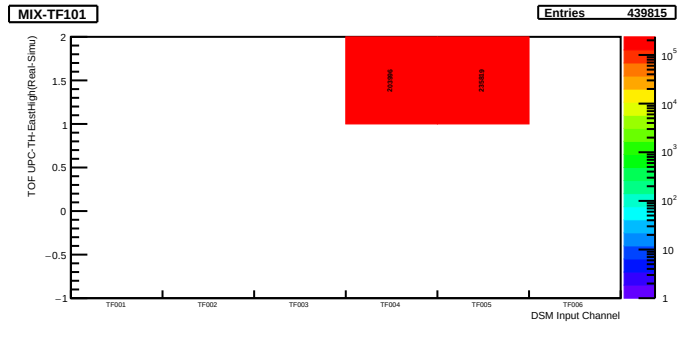

MIX-TF101
Entries 3476718
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

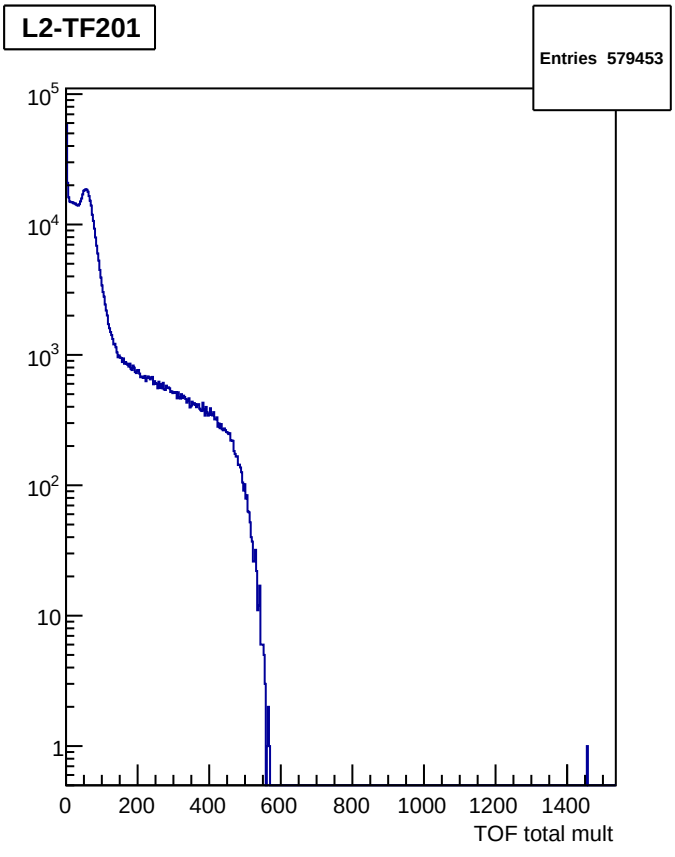

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

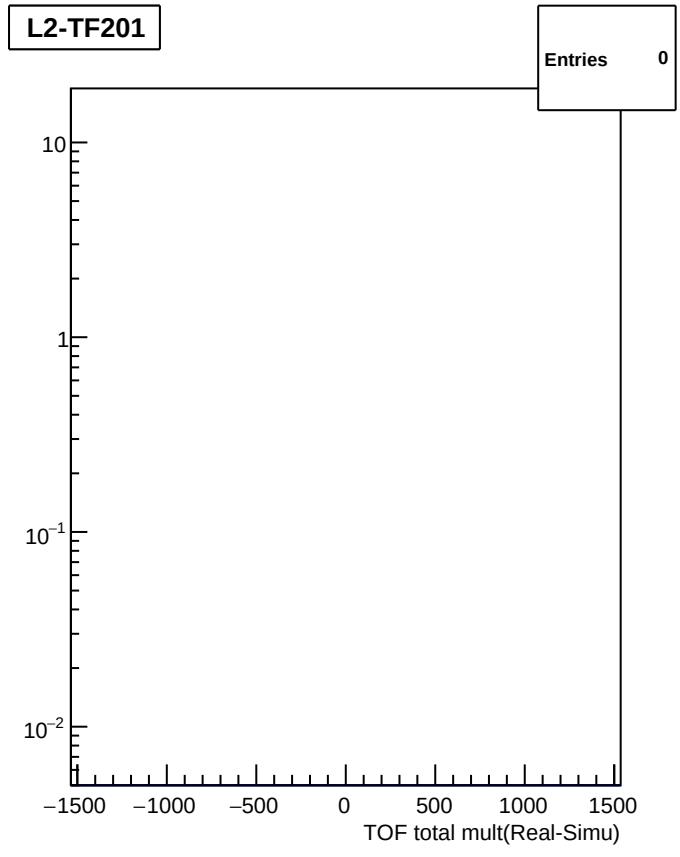

MIX-TF101
Entries 3476718
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

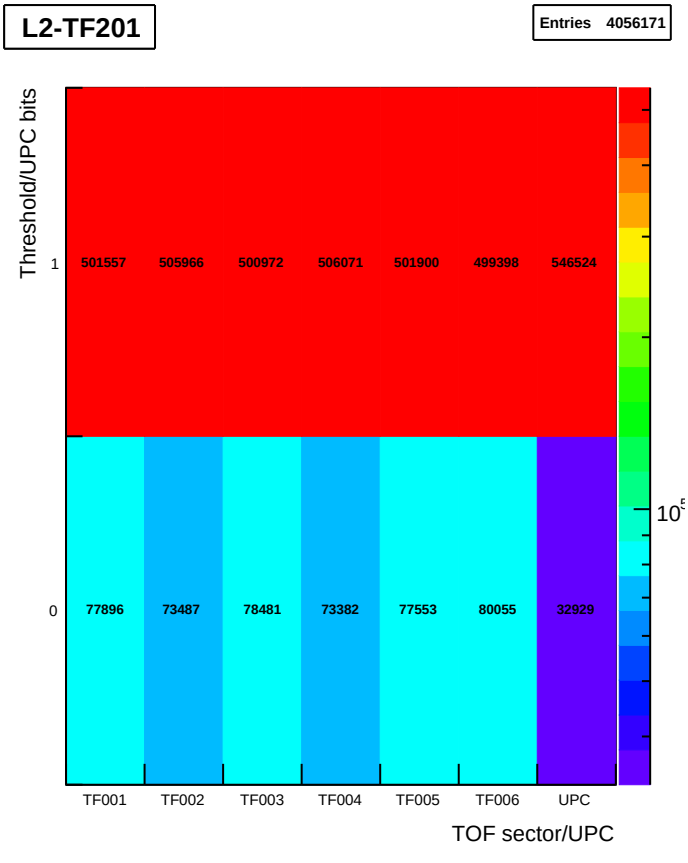

MIX-TF101
Entries 202278
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

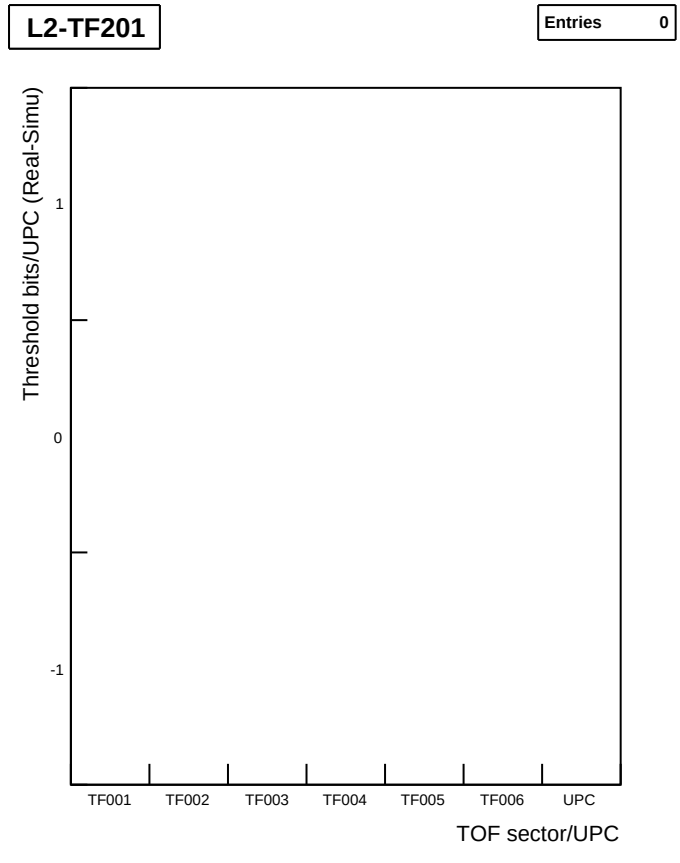

MIX-TF101
Entries 3476718
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

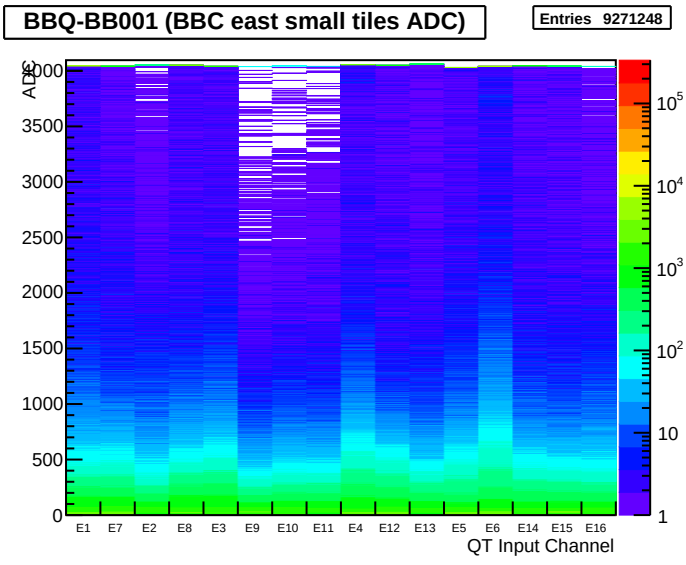

MIX-TF101
Entries 439815
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

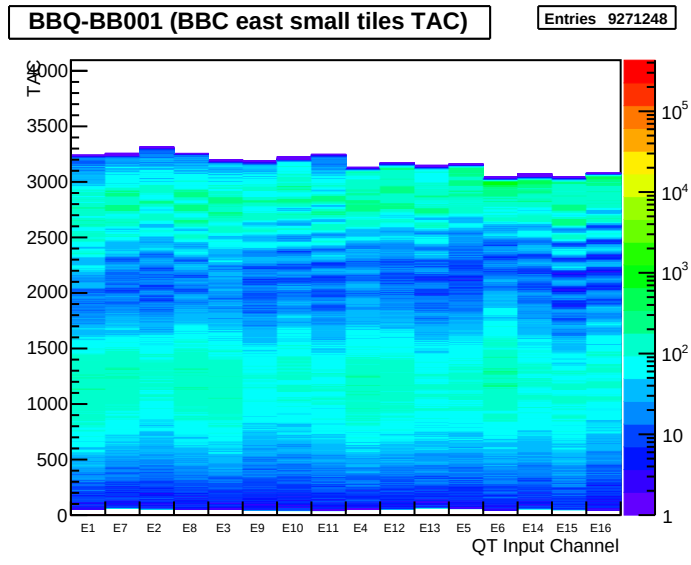

L2-TF201
Entries 579453
TOF total mult

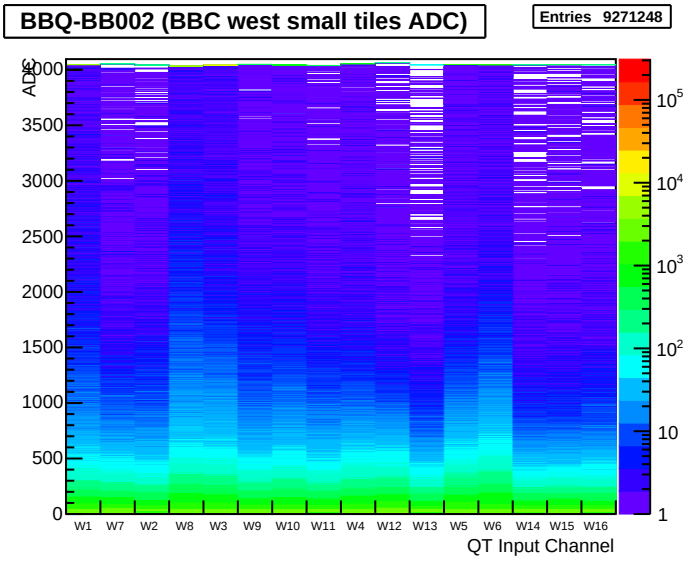

L2-TF201
Entries 0
TOF total mult(Real-Simu)

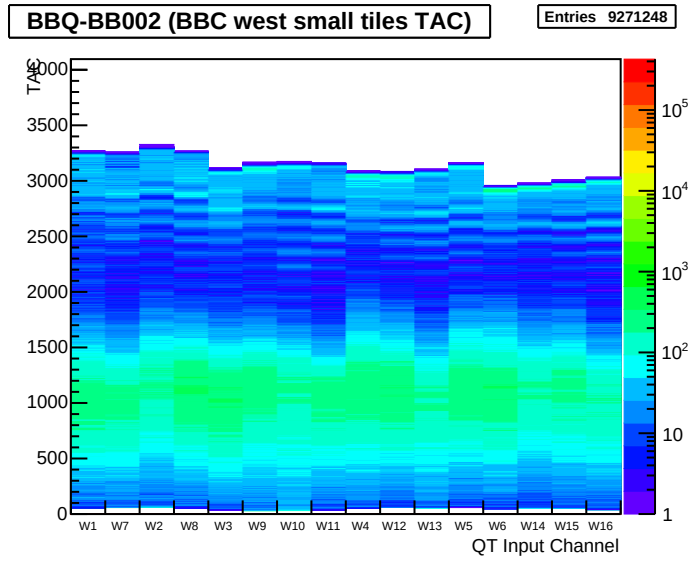

L2-TF201
Entries 4056171
Threshold/UPC bits
501557
505966
500972
506071
501900
499398
546524
77896
73487
78481
73382
77553
80055
32929
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

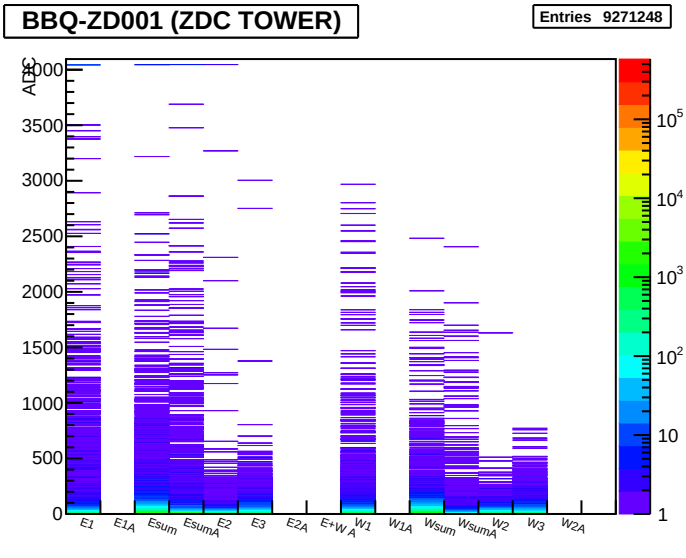

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

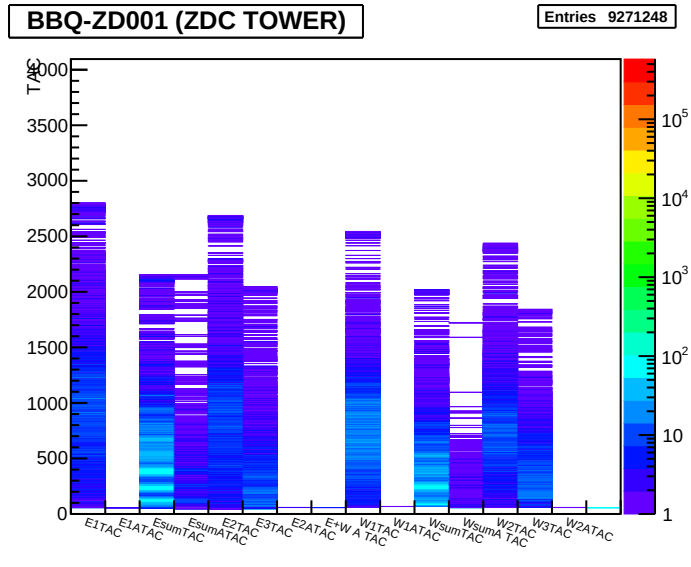

BBQ-BB001 (BBC east small tiles ADC)
Entries 9271248
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

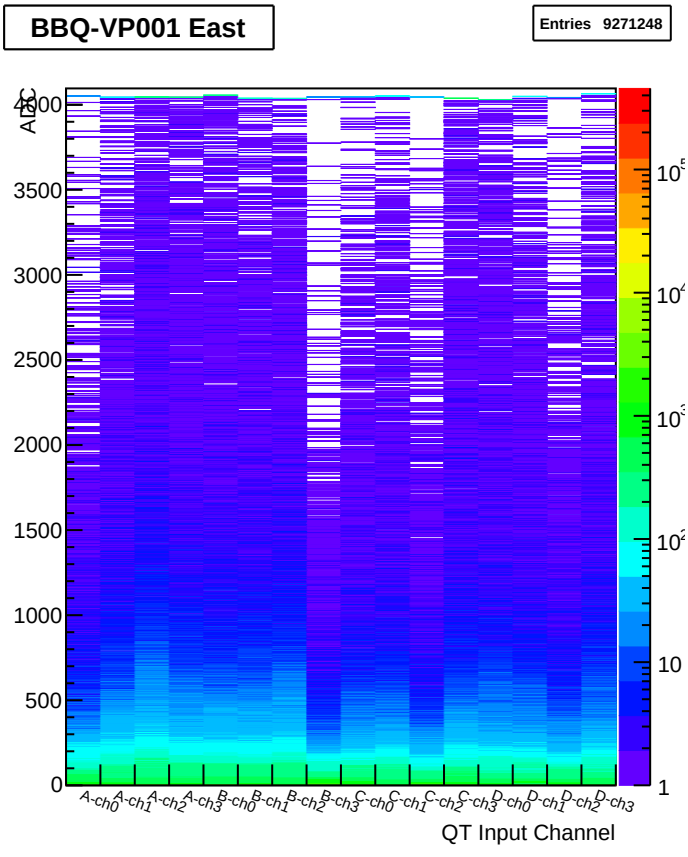

BBQ-BB001 (BBC east small tiles TAC)
Entries 9271248
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

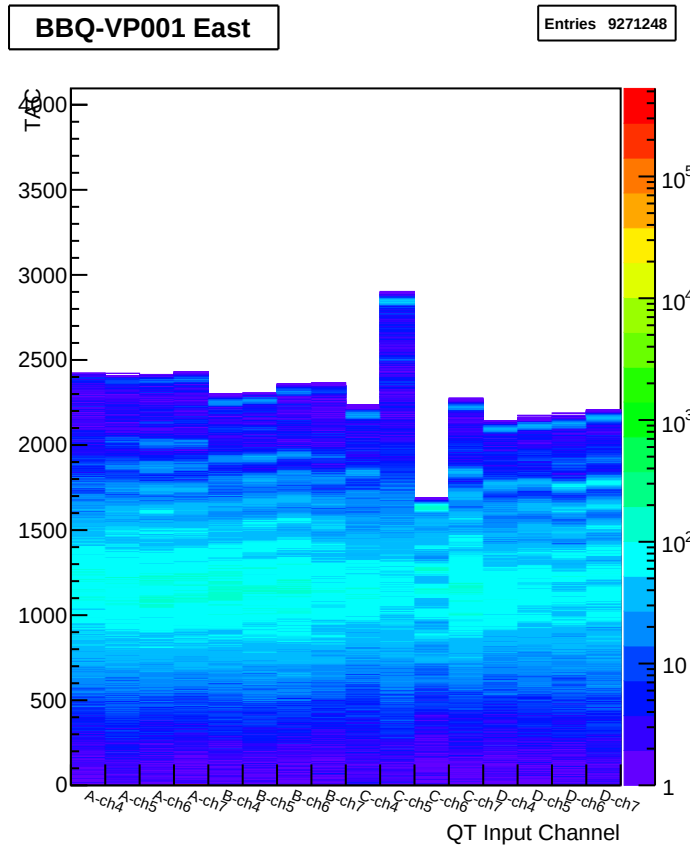

BBQ-BB002 (BBC west small tiles ADC)
Entries 9271248
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

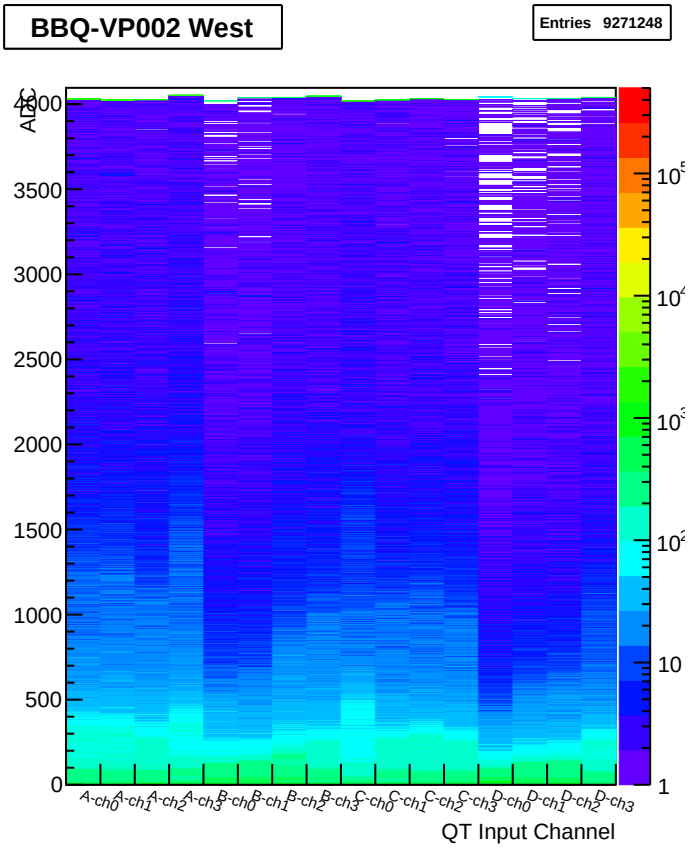

BBQ-BB002 (BBC west small tiles TAC)
Entries 9271248
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

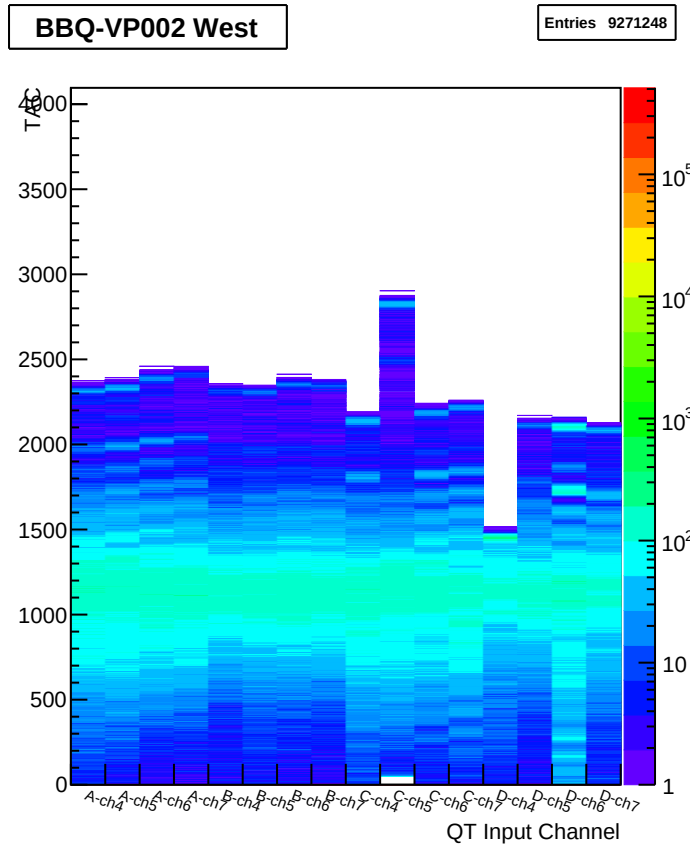

BBQ-ZD001 (ZDC TOWER)
Entries 9271248
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

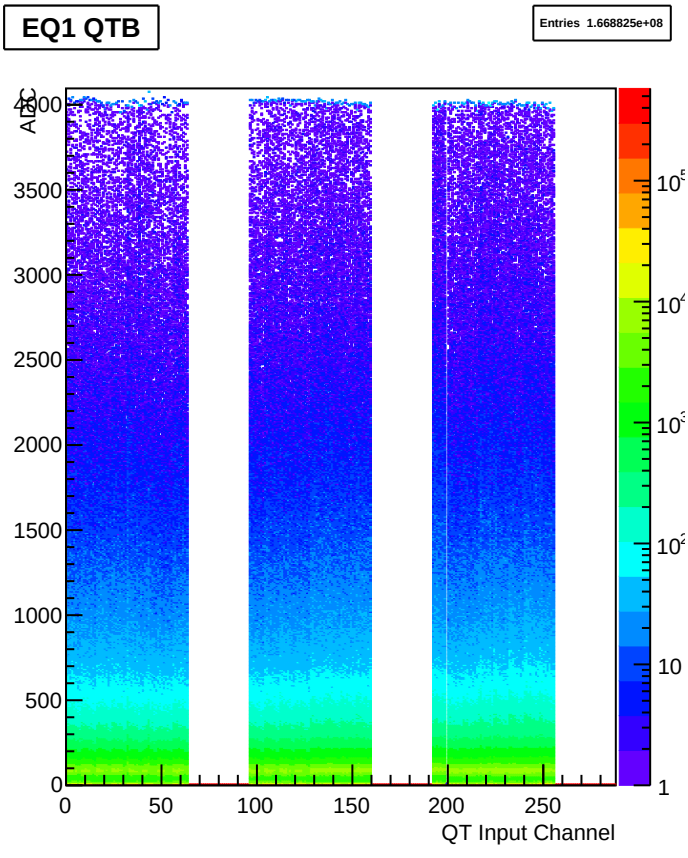

BBQ-ZD001 (ZDC TOWER)
Entries 9271248
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

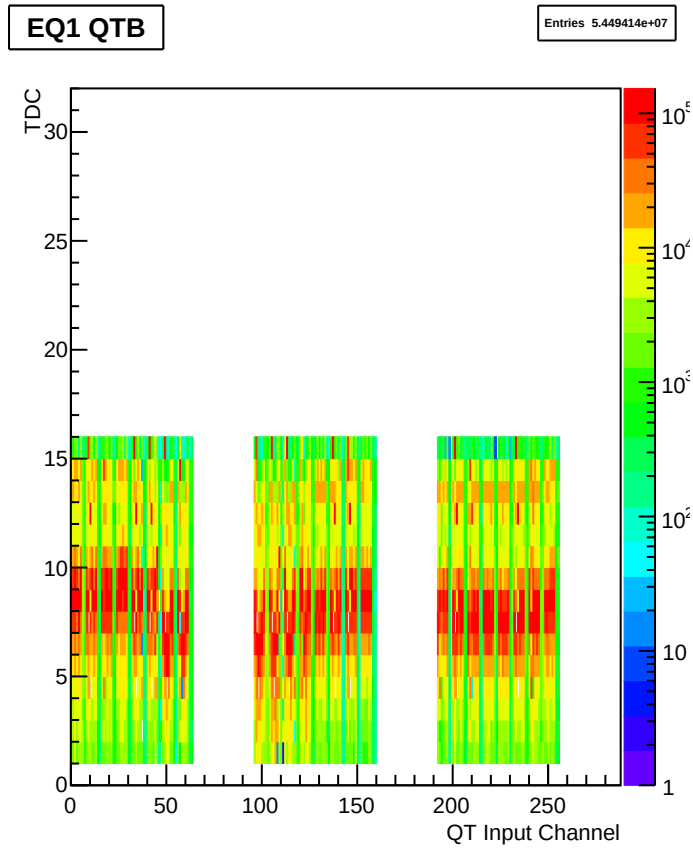

BBQ-VP001 East
Entries 9271248
ADC
QT Input Channel

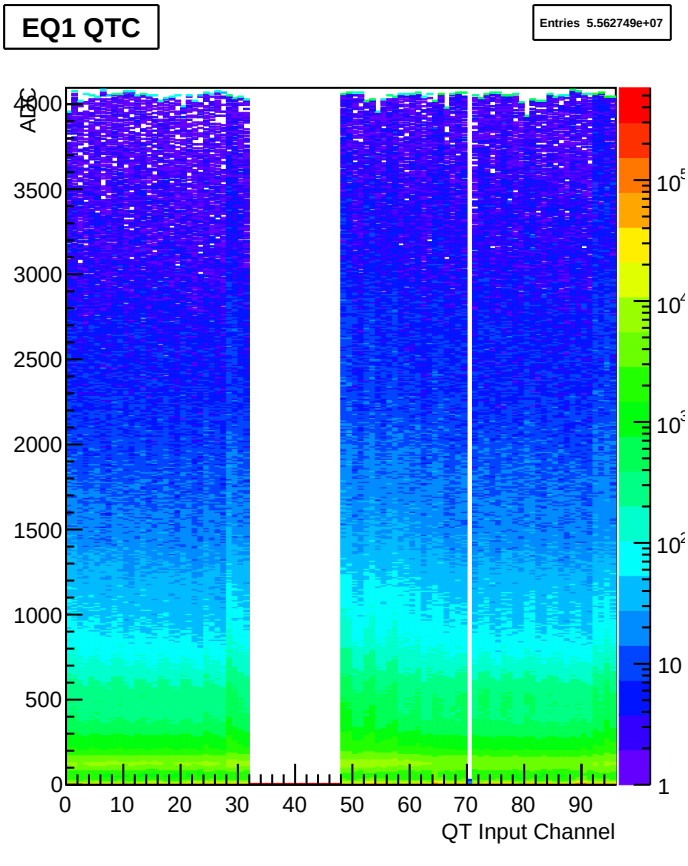

BBQ-VP001 East
Entries 9271248
TADC
QT Input Channel

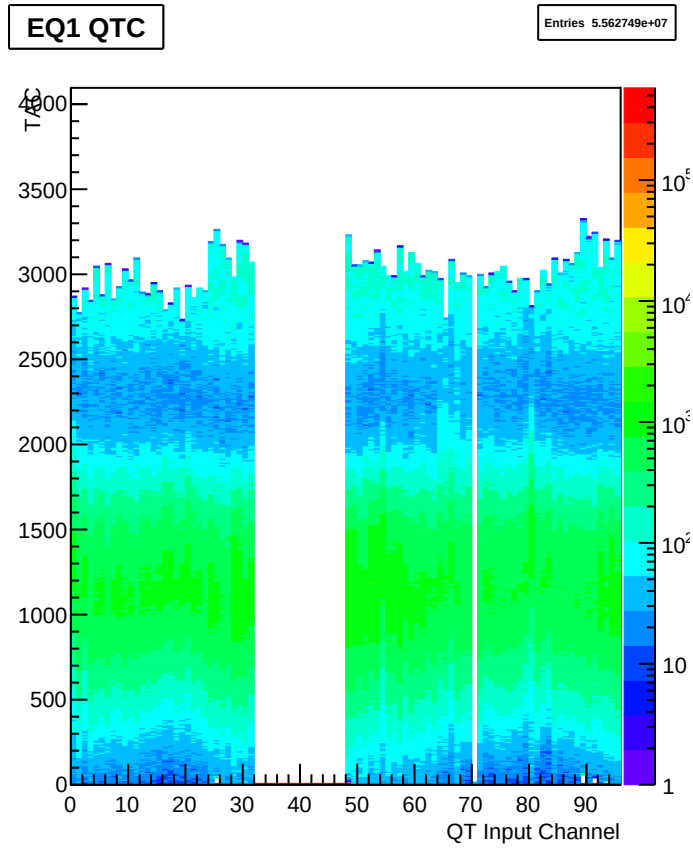

BBQ-VP002 West
Entries 9271248
ADC
QT Input Channel

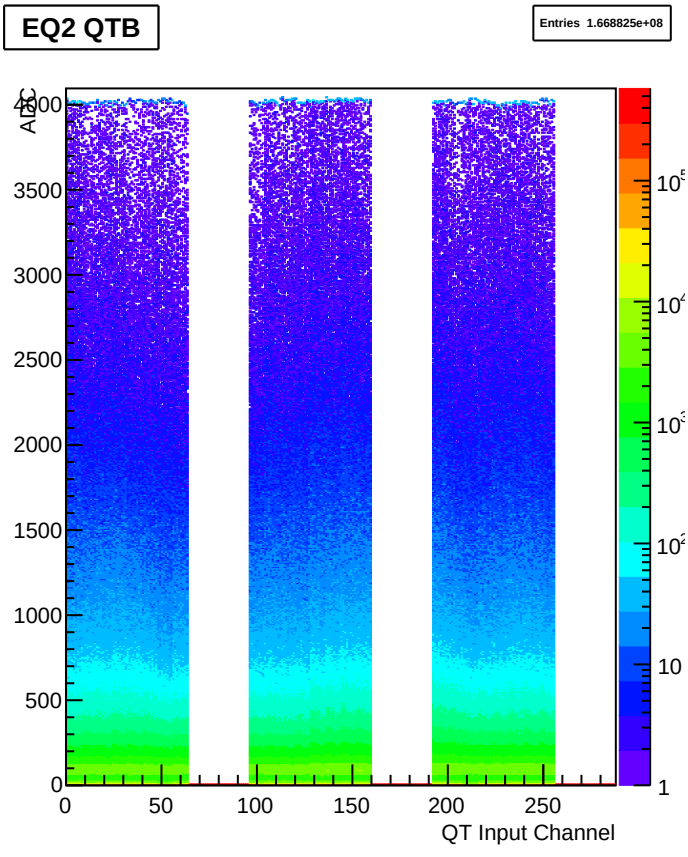

BBQ-VP002 West
Entries 9271248
TADC
QT Input Channel

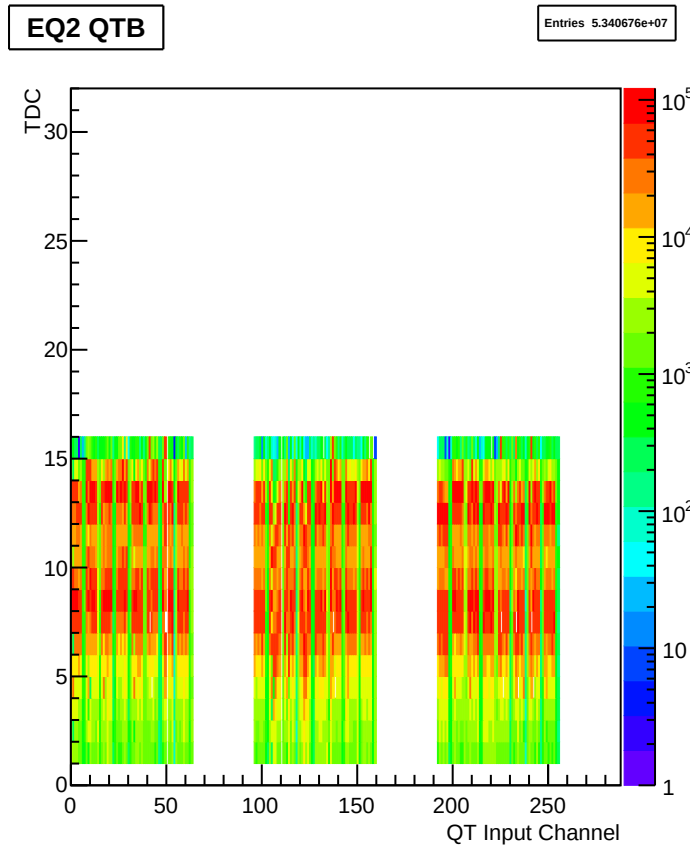

EQ1 QTB
Entries 1.668825e+08
ADC
QT Input Channel

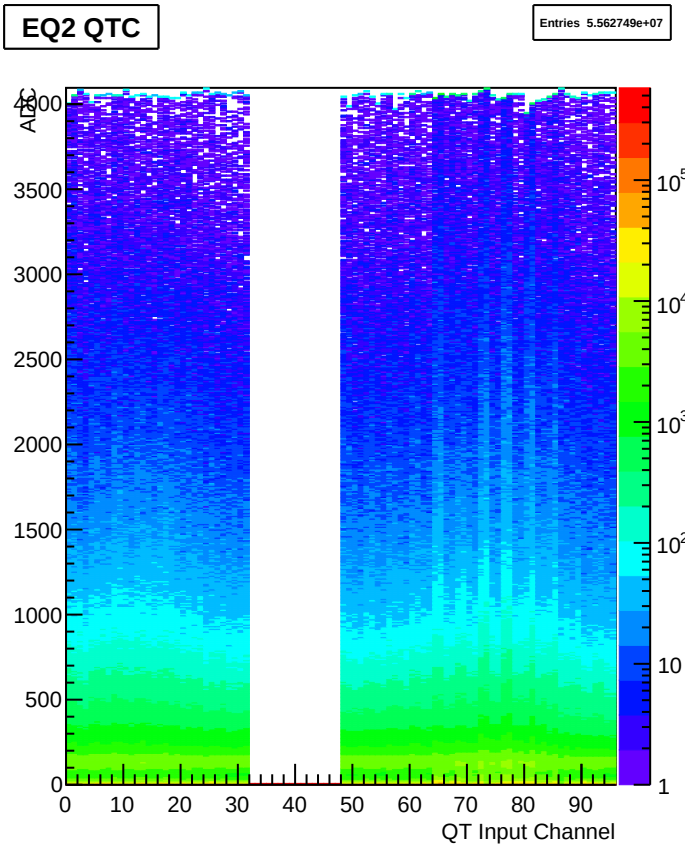

EQ1 QTB
Entries 5.449414e+07
TDC
QT Input Channel

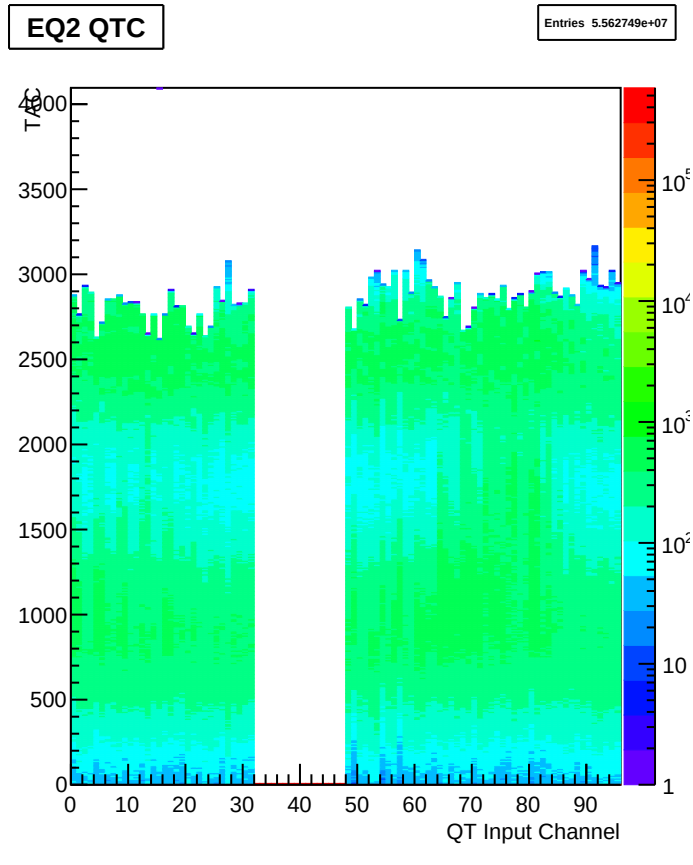

EQ1 QTC
Entries 5.562749e+07
ADC
QT Input Channel

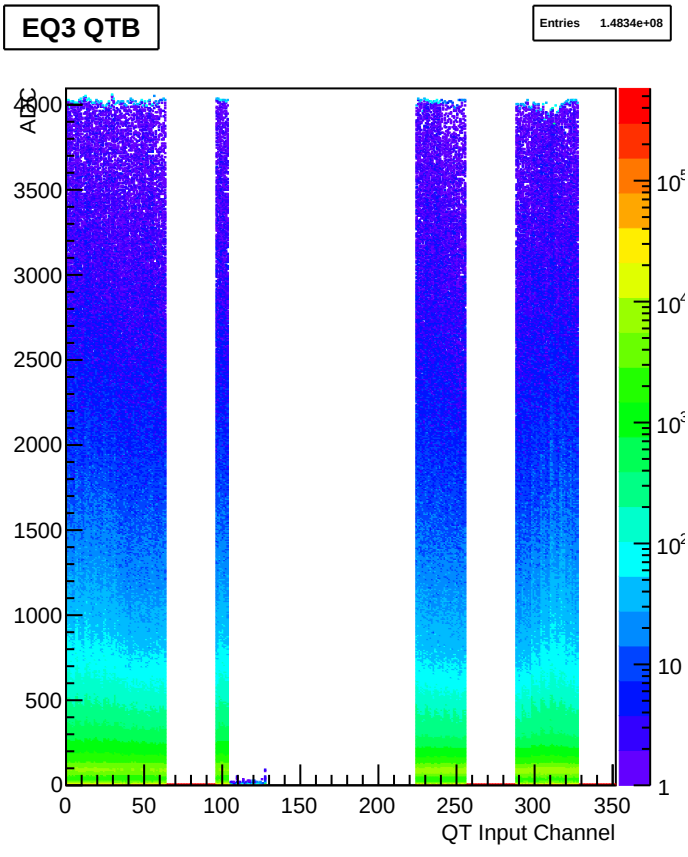

EQ1 QTC
Entries 5.562749e+07
TADC
QT Input Channel

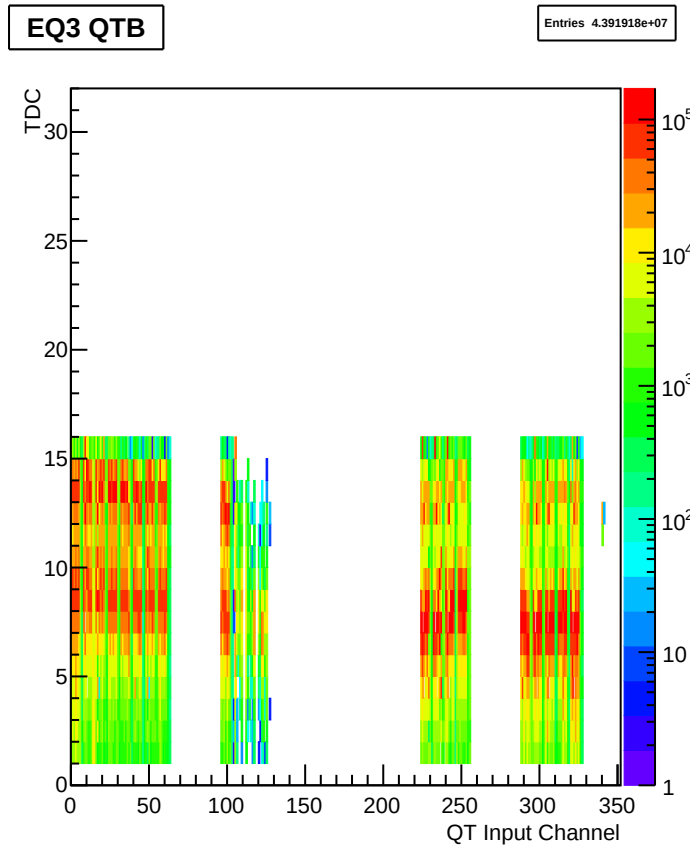

EQ2 QTB
Entries 1.668825e+08
ADC
QT Input Channel

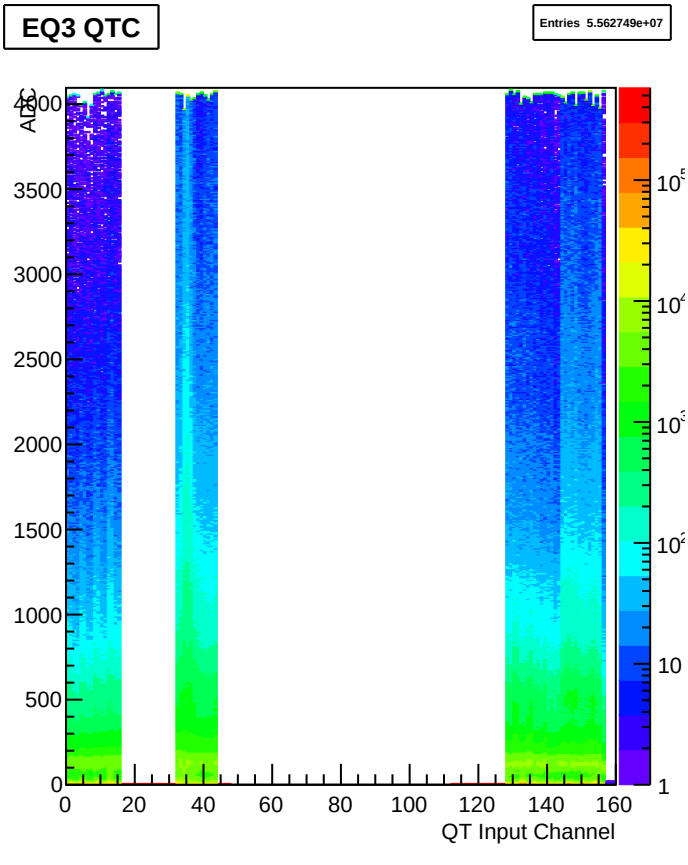

EQ2 QTB
Entries 5.340676e+07
TDC
QT Input Channel

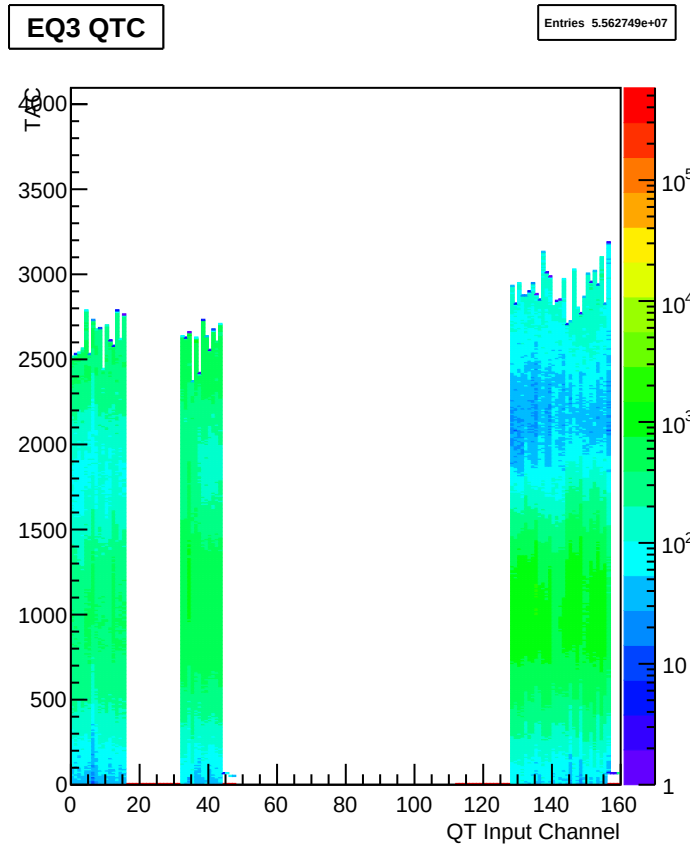

EQ2 QTC
Entries 5.562749e+07
ADC
QT Input Channel

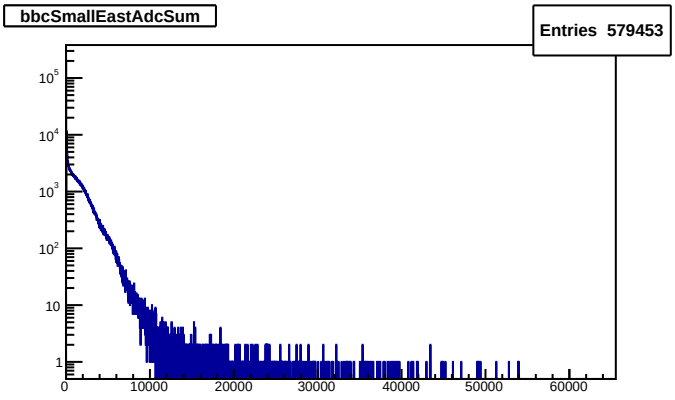

EQ2 QTC
Entries 5.562749e+07
TADC
QT Input Channel

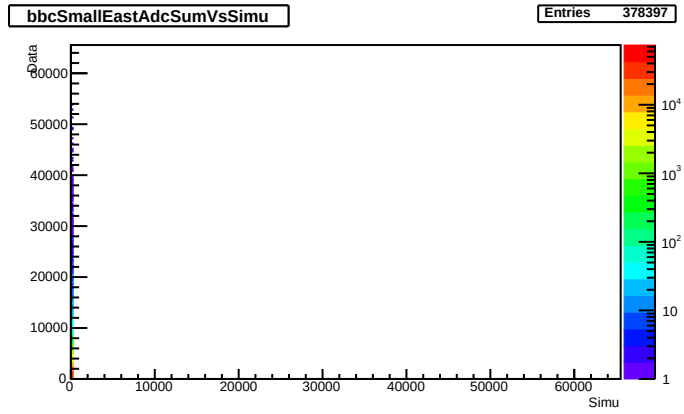

EQ3 QTB
Entries 1.4834e+08
ADC
QT Input Channel

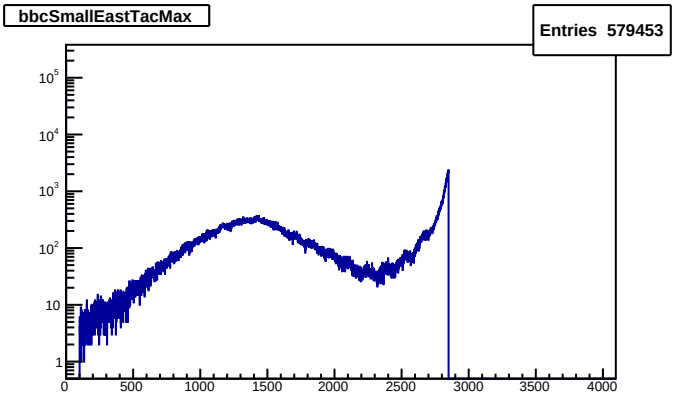

EQ3 QTB
Entries 4.391918e+07
TDC
QT Input Channel

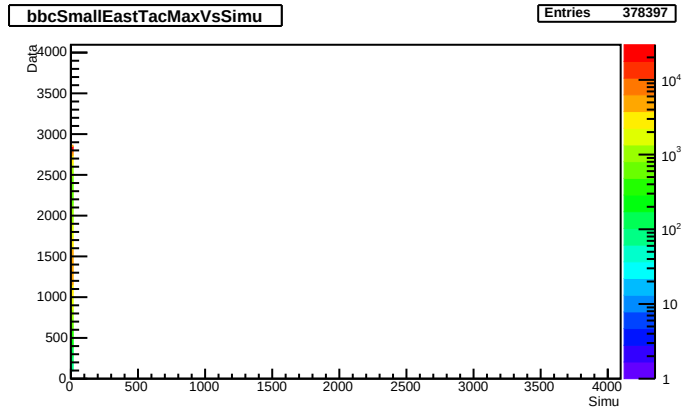

EQ3 QTC
Entries 5.562749e+07
ADC
QT Input Channel

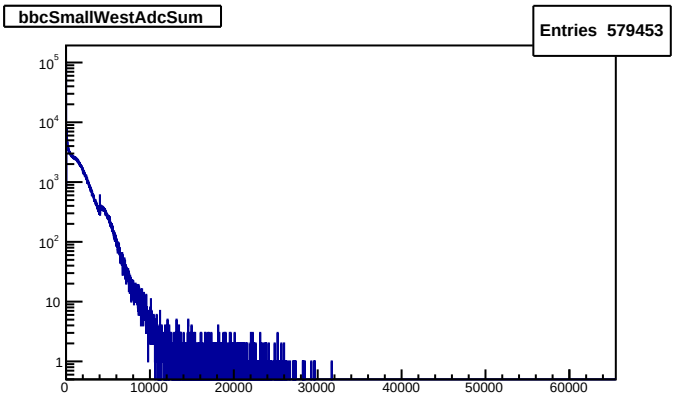

EQ3 QTC
Entries 5.562749e+07
TADC
QT Input Channel

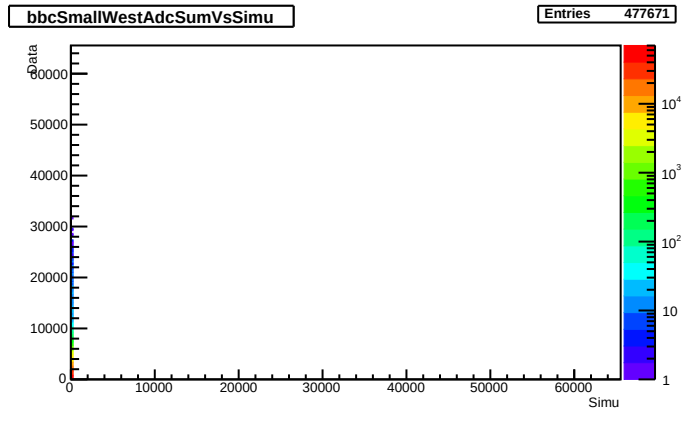

bbcSmallEastAdcSum
Entries 579453


bbcSmallEastAdcSumVsSimu
Entries 378397
Data
Simu


bbcSmallEastTacMax
Entries 579453


bbcSmallEastTacMaxVsSimu
Entries 378397
Data
Simu


bbcSmallWestAdcSum
Entries 579453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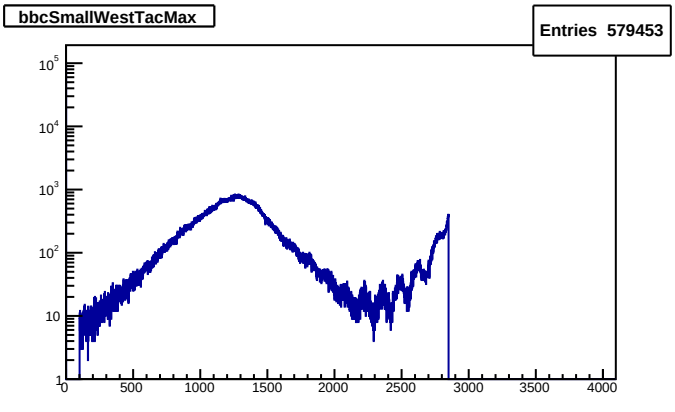
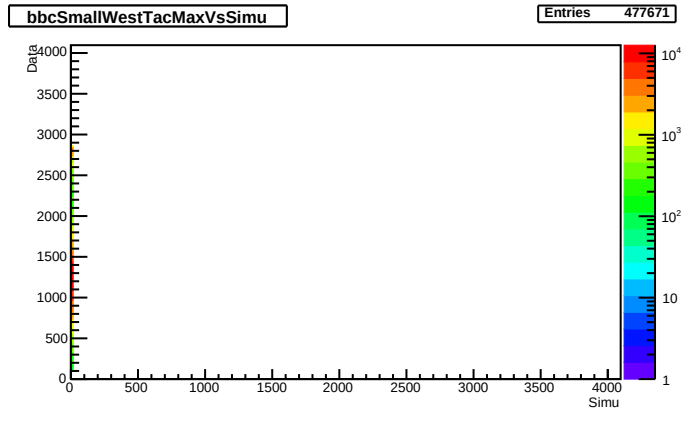
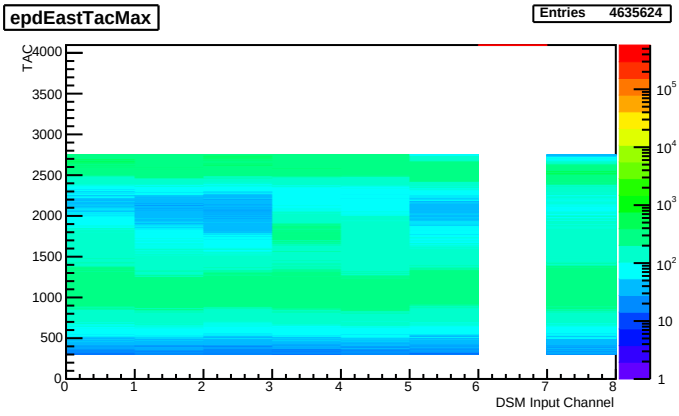
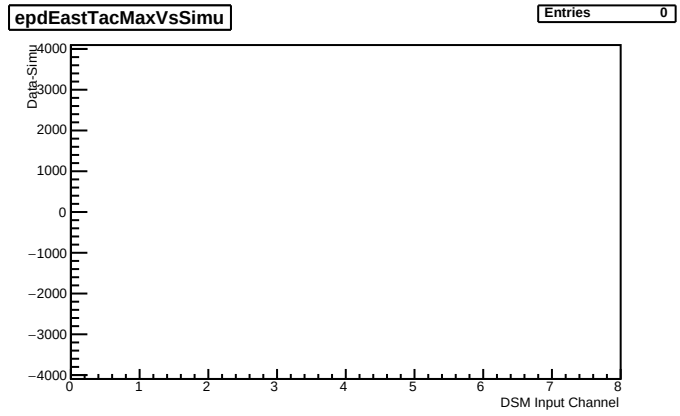
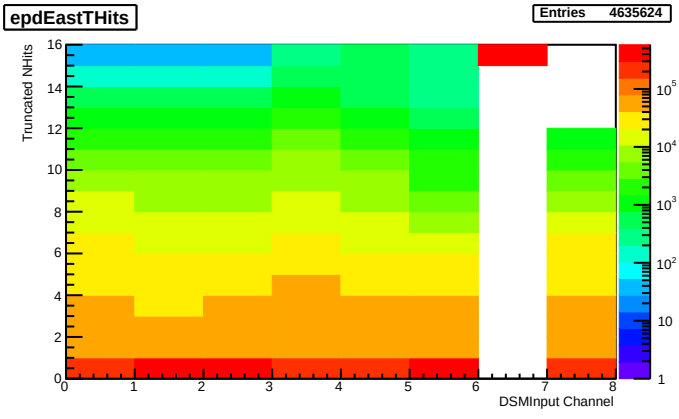
Entries 477671
Data
Simu

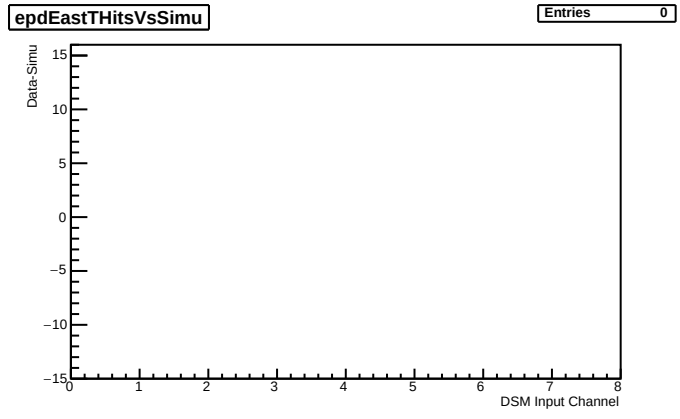

bbcSmallWestTacMax
Entries 579453


bbcSmallWestTacMaxVsSimu
Entries 477671
Data
Simu


epdEastTacMax
Entries 4635624
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4635624
Truncated NHits
DSMInput Channel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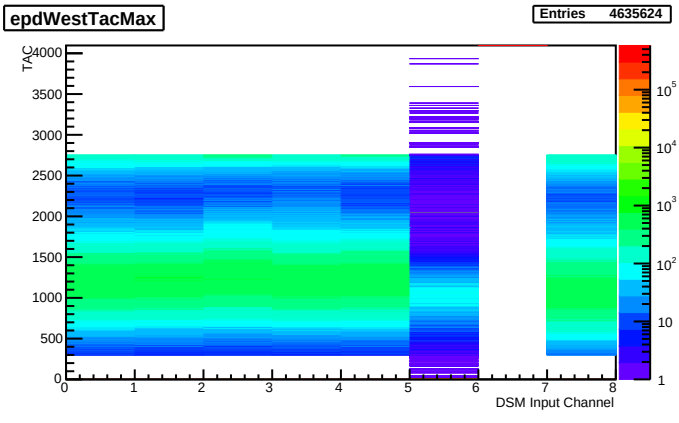
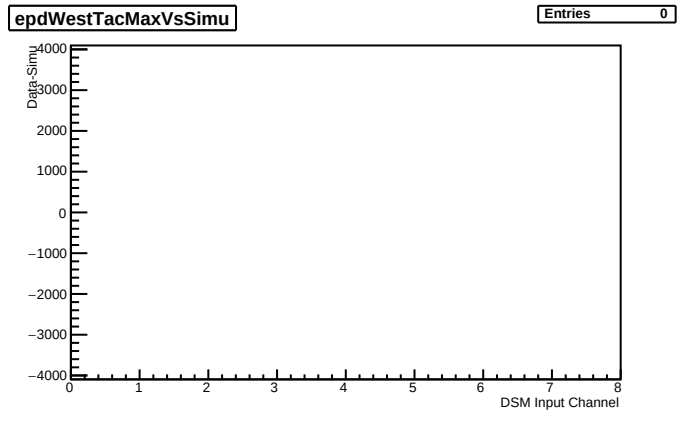
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 4635624
TAC
DSM Input Channel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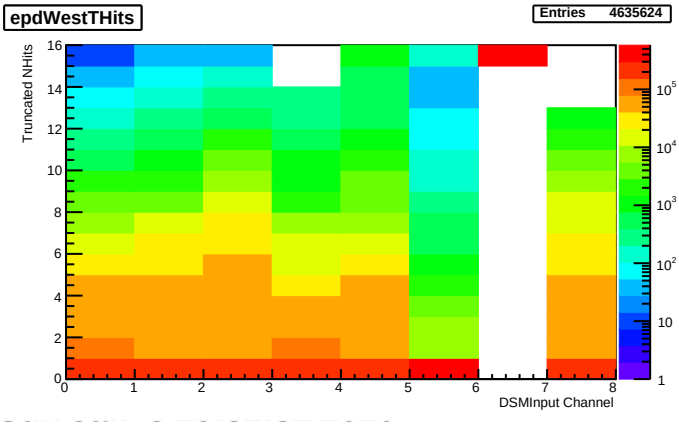
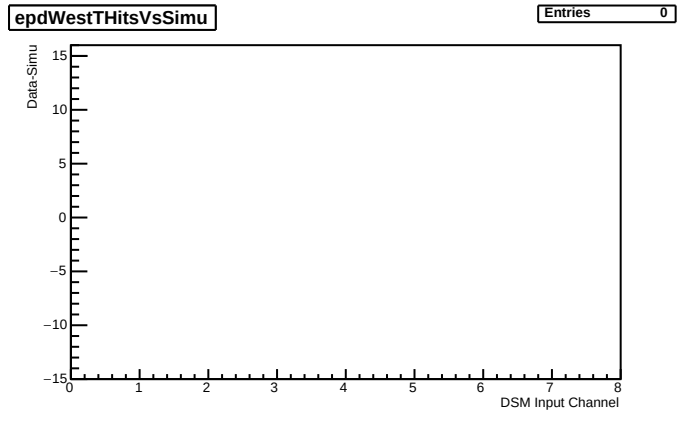
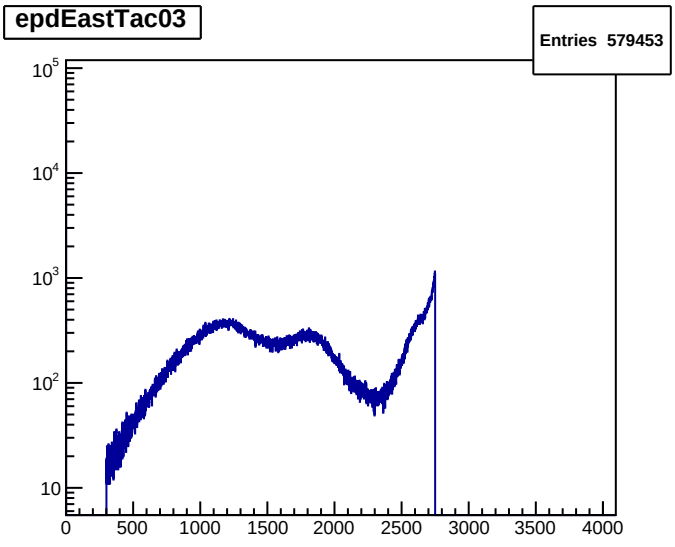
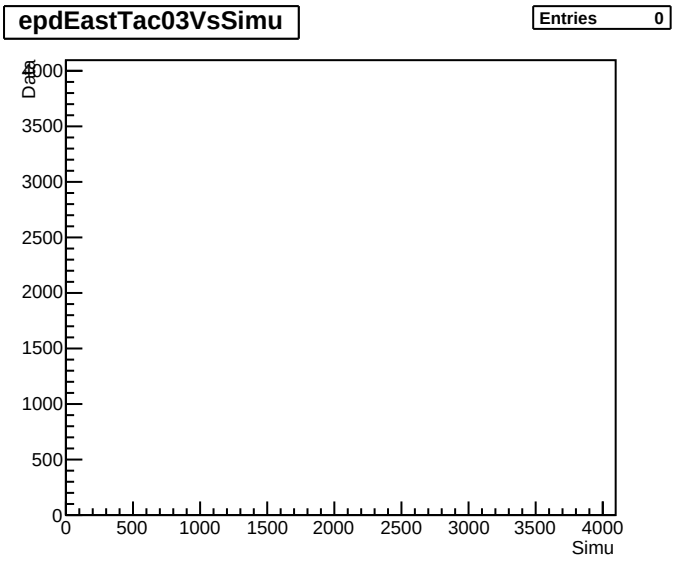
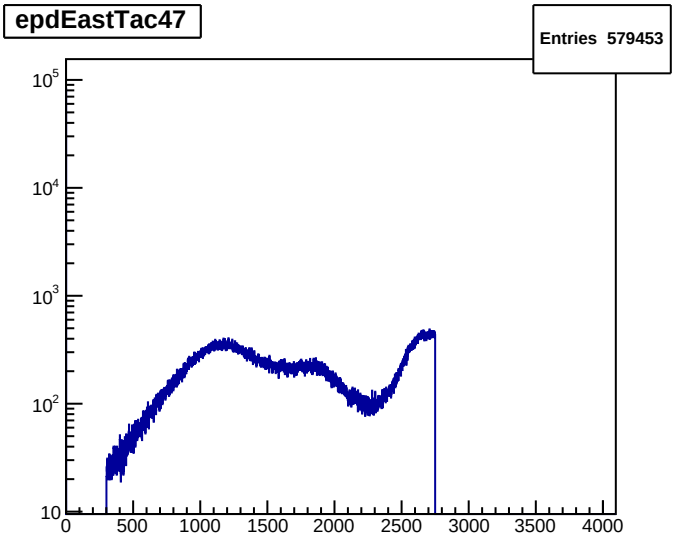
Entries 0
Data-Simu
DSM Input Channel

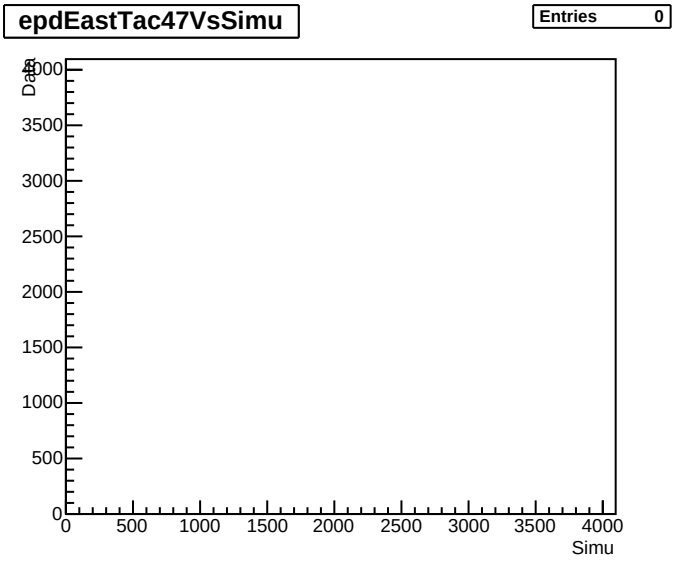

epdWestTHits
Entries 4635624
Truncated NHits
DSMInput Channel

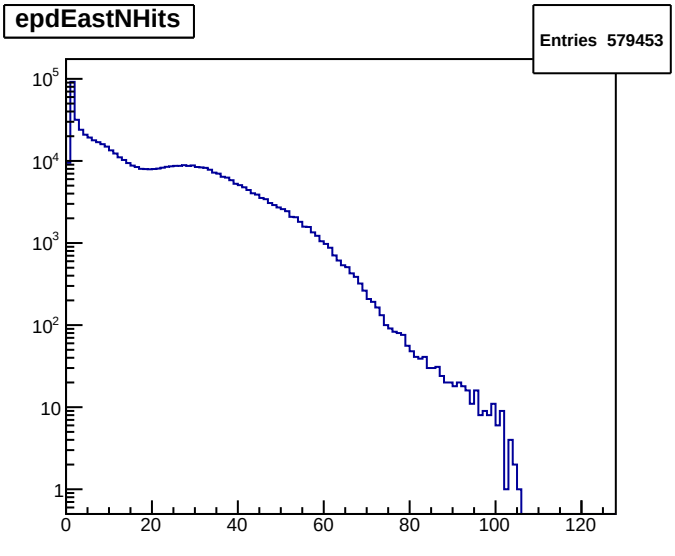

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

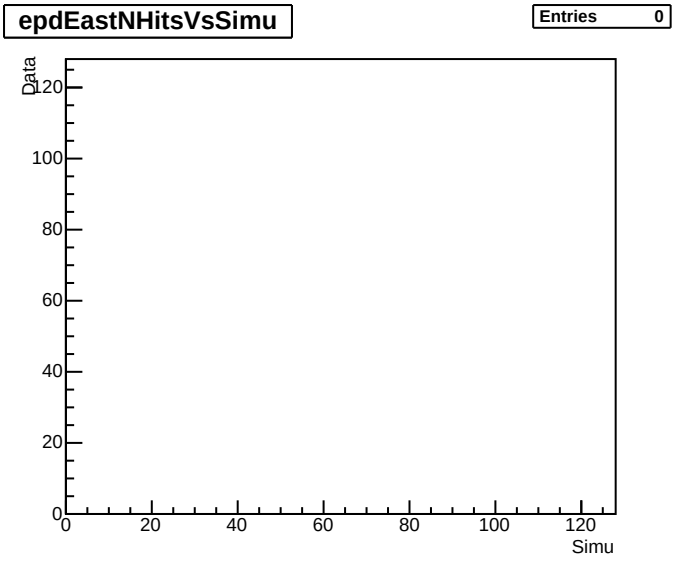

epdEastTac03
Entries 579453


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 579453


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 579453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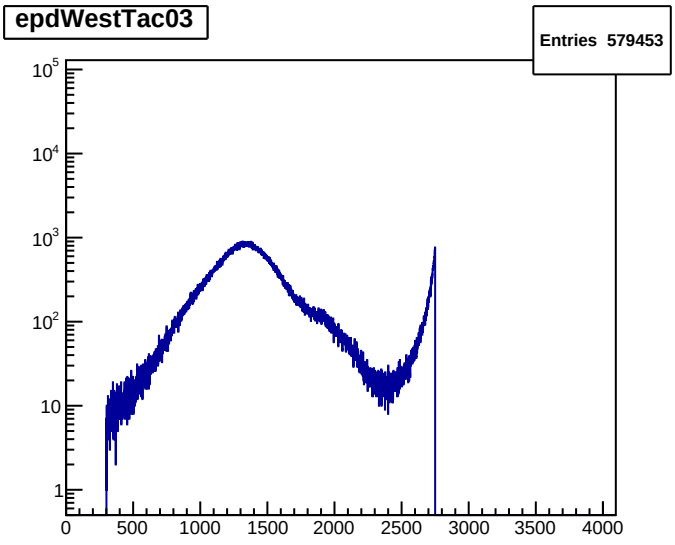
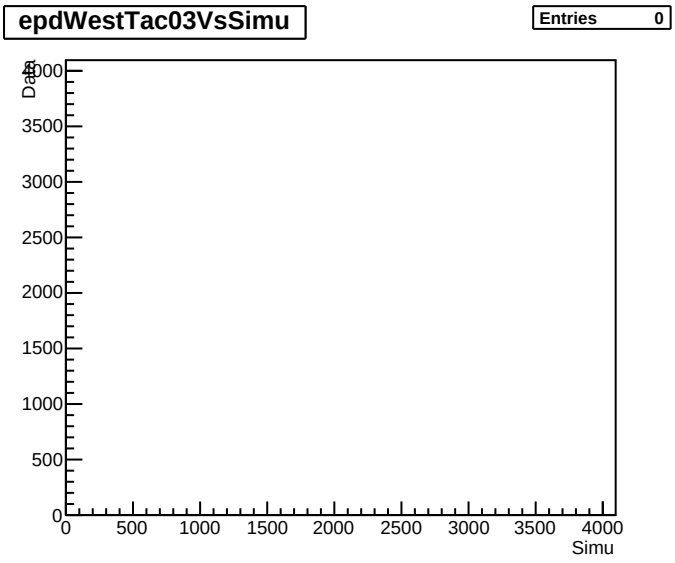
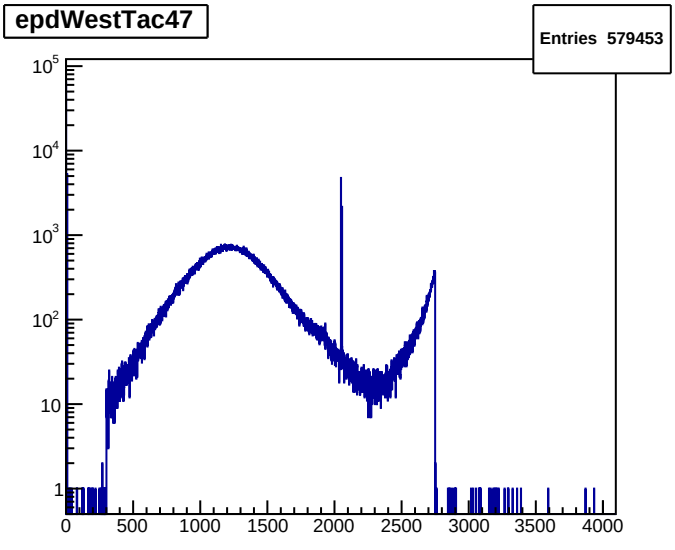
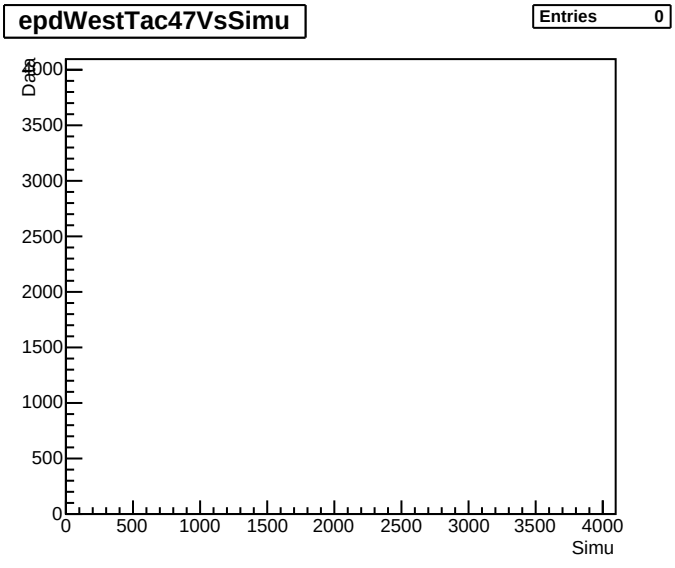
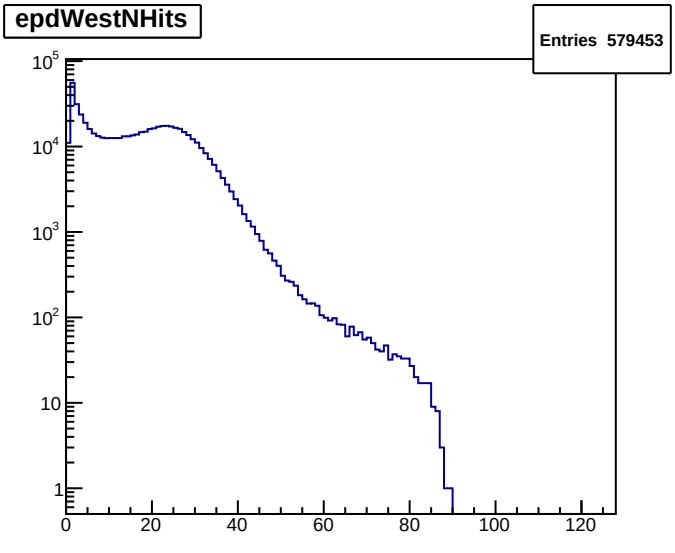
Entries 0
Data
Simu

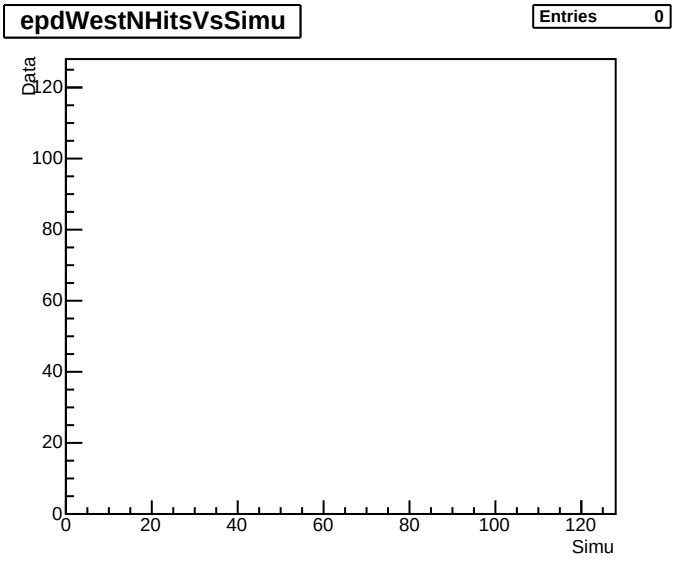

epdWestTac03
Entries 579453

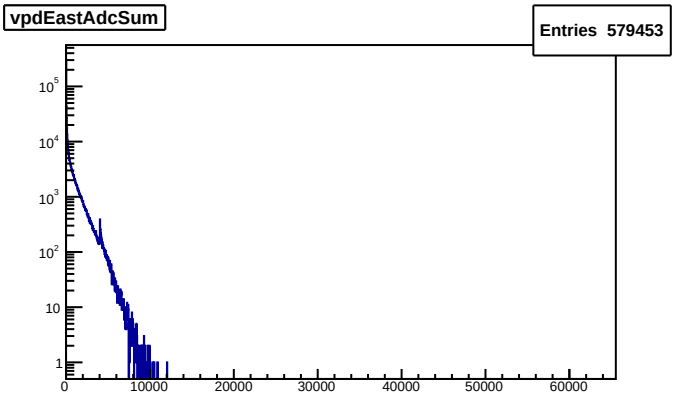

epdWestTac03VsSimu
Entries 0
Data
Simu

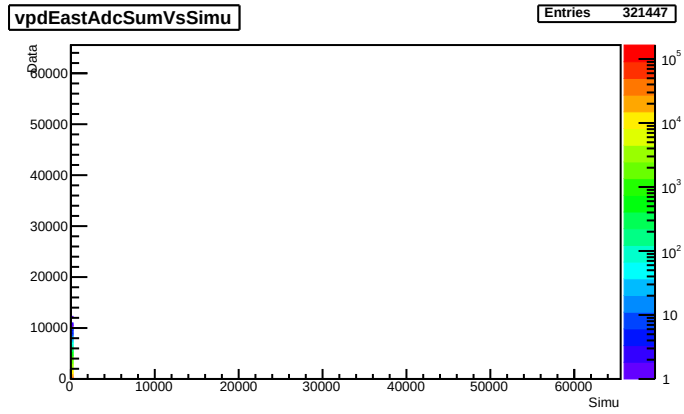

epdWestTac47
Entries 579453

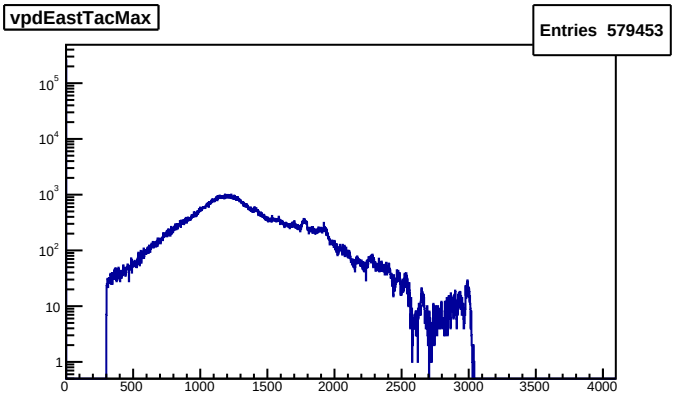

epdWestTac47VsSimu
Entries 0
Data
Simu

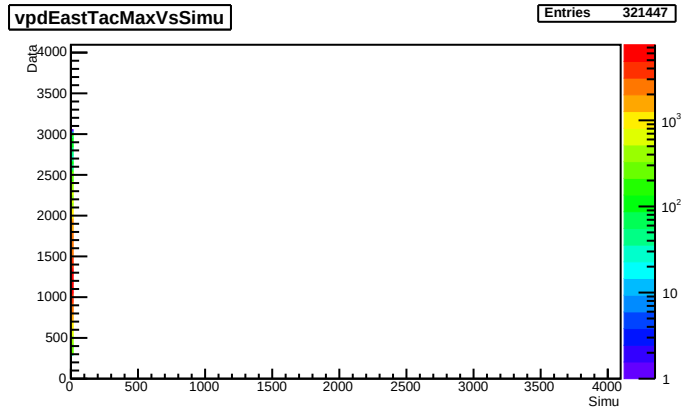

epdWestNHits
Entries 579453

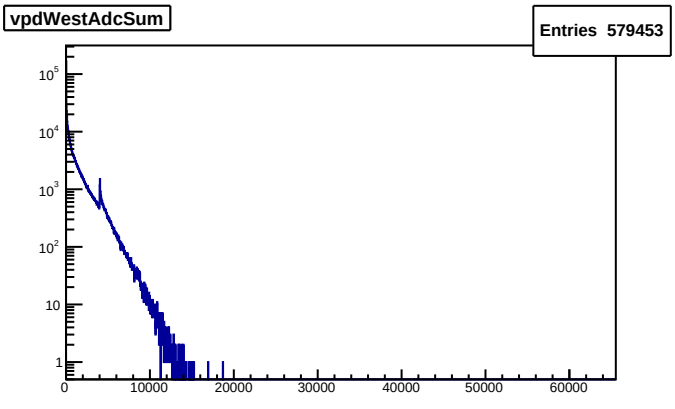

epdWestNHitsVsSimu
Entries 0
Data
Simu

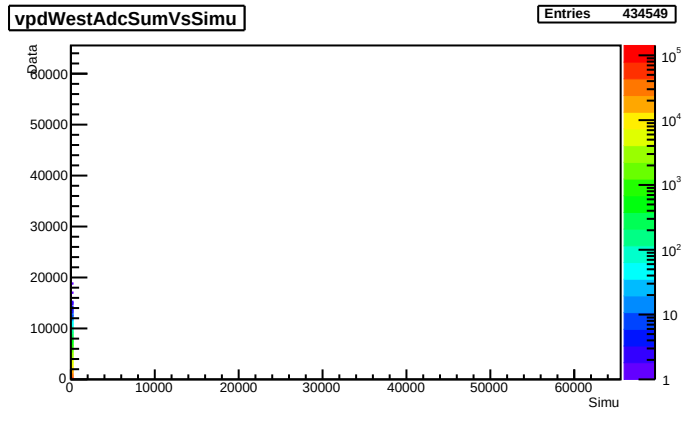

vpdEastAdcSum
Entries 579453

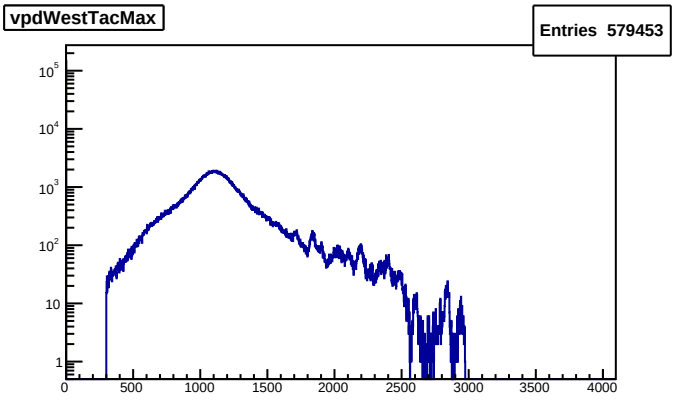

vpdEastAdcSumVsSimu
Entries 321447
Data
Simu

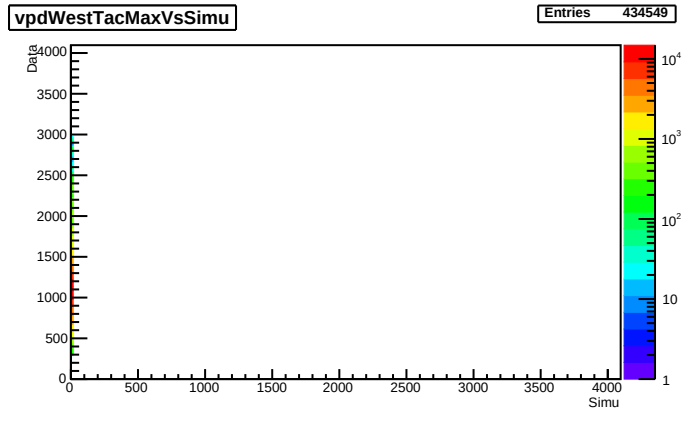

vpdEastTacMax
Entries 579453

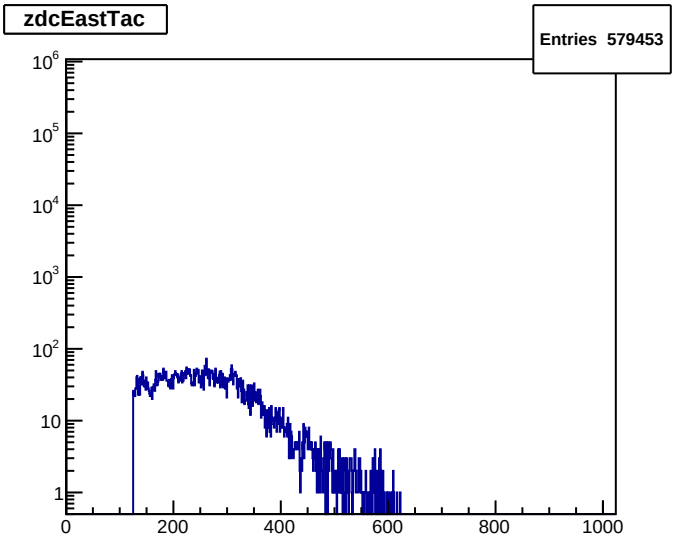

vpdEastTacMaxVsSimu
Entries 321447
Data
Simu

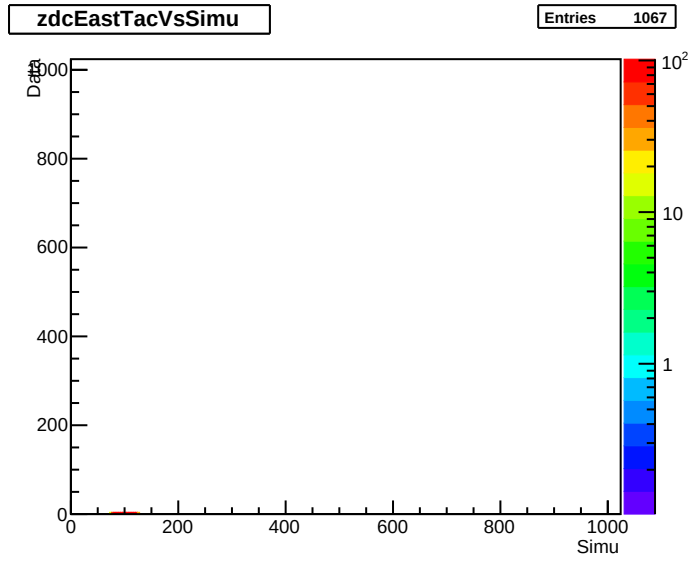

vpdWestAdcSum
Entries 579453

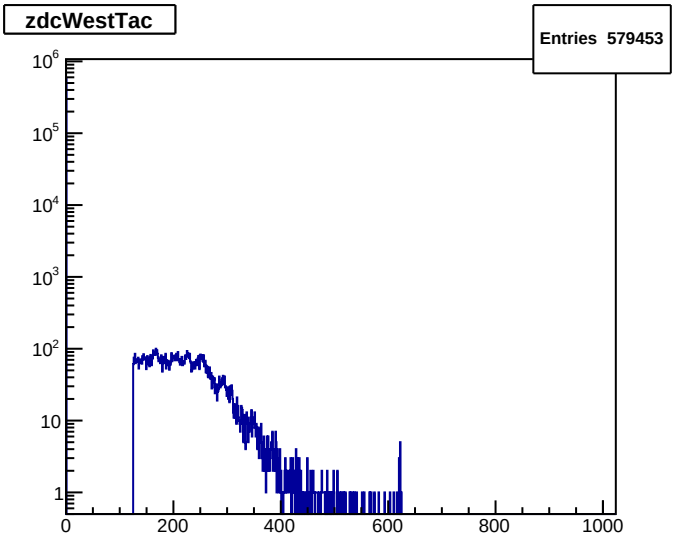

vpdWestAdcSumVsSimu
Entries 434549
Data
Simu

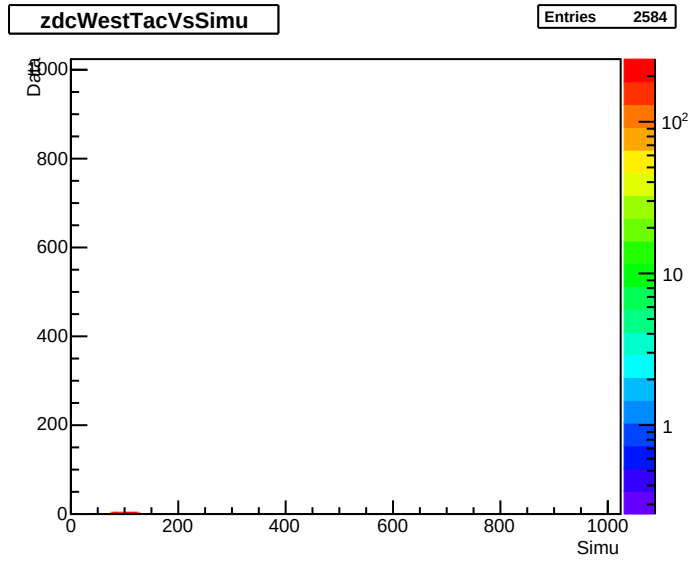

vpdWestTacMax
Entries 579453

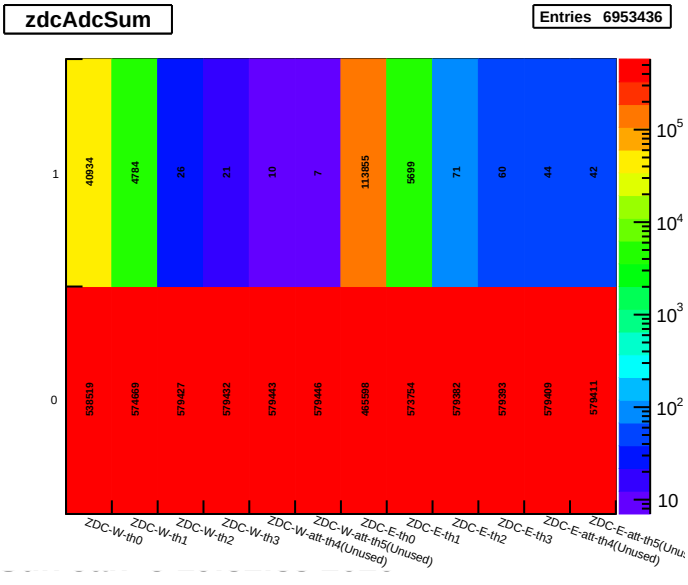

vpdWestTacMaxVsSimu
Entries 434549
Data
Simu

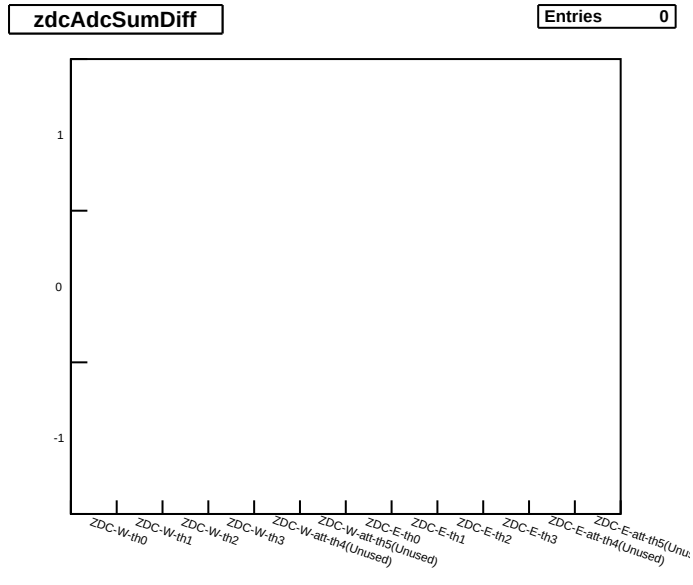

zdcEastTac
Entries 579453

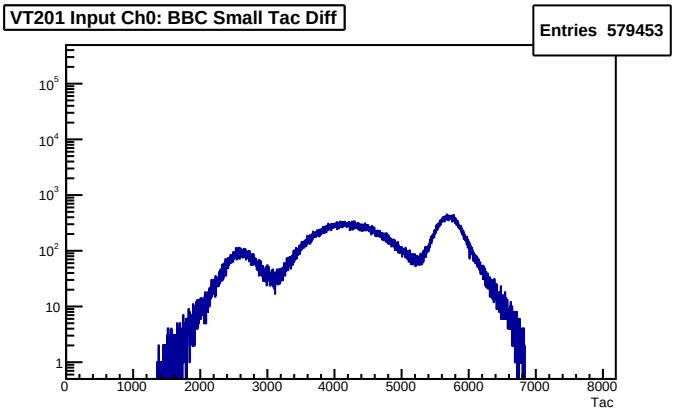

zdcEastTacVsSimu
Entries 1067
Data
Simu

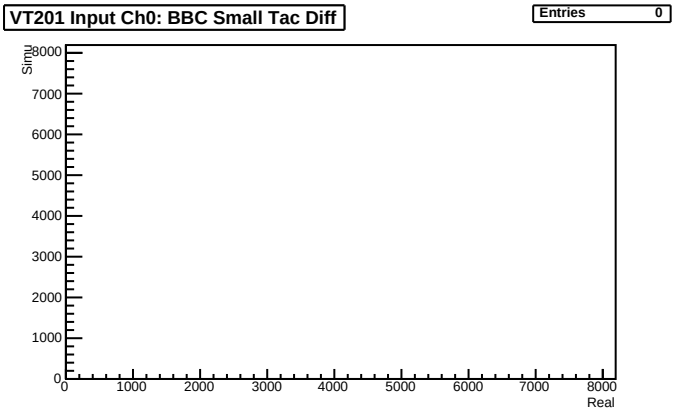

zdcWestTac
Entries 579453

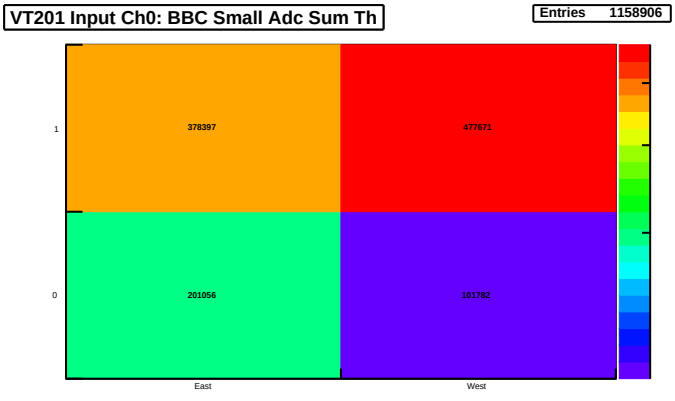

zdcWestTacVsSimu
Entries 2584
Data
Simu

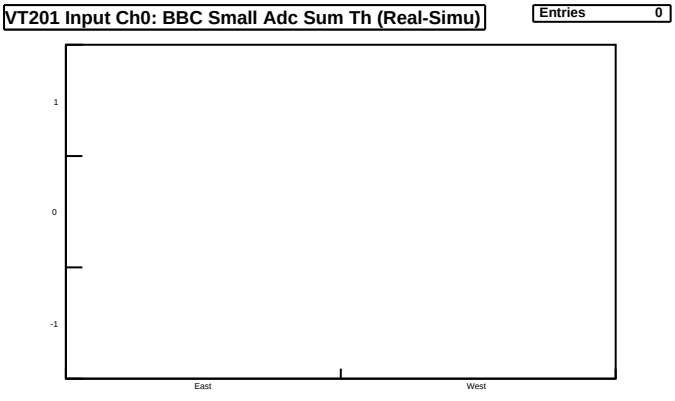

zdcAdcSum
Entries 6953436
40934
4784
26
21
10
7
113855
5699
71
60
44
42
538519
574669
579427
579432
579443
579446
465598
573754
579382
579393
579409
579411
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

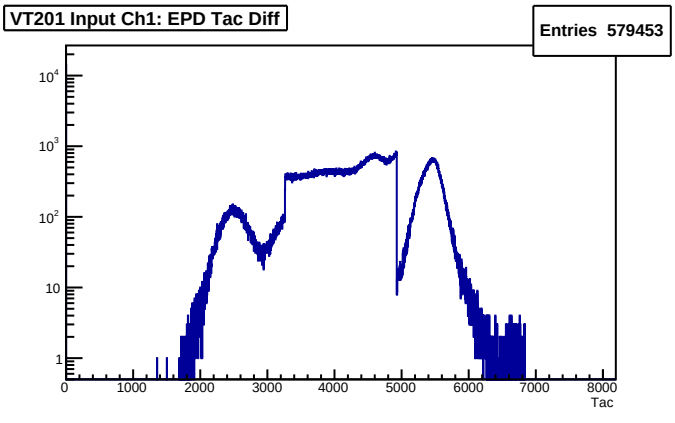

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

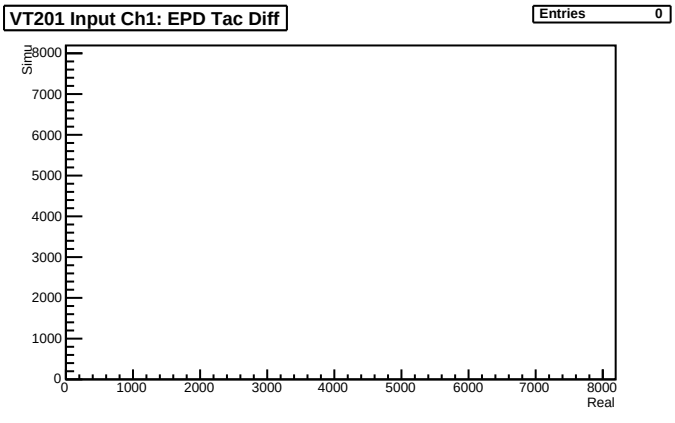

VT201 Input Ch0: BBC Small Tac Diff
Entries 579453
Tac

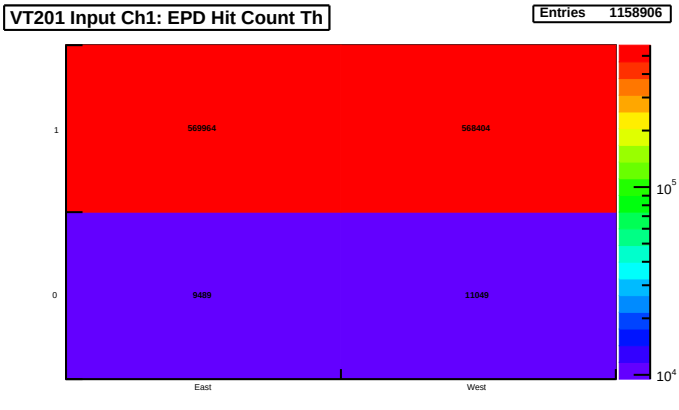

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

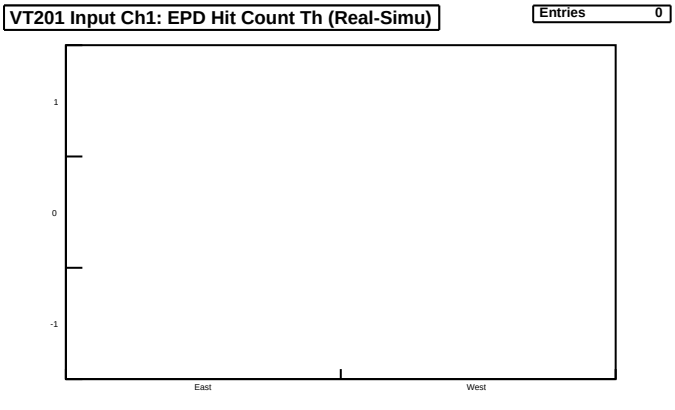

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1158906
378397
477671
201056
101782
East
West

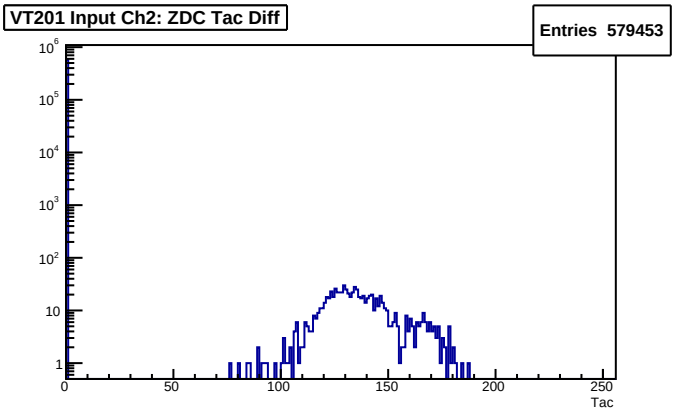

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

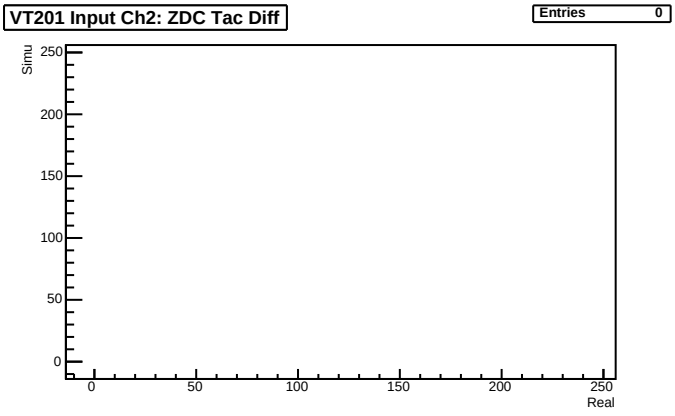

VT201 Input Ch1: EPD Tac Diff
Entries 579453
Tac

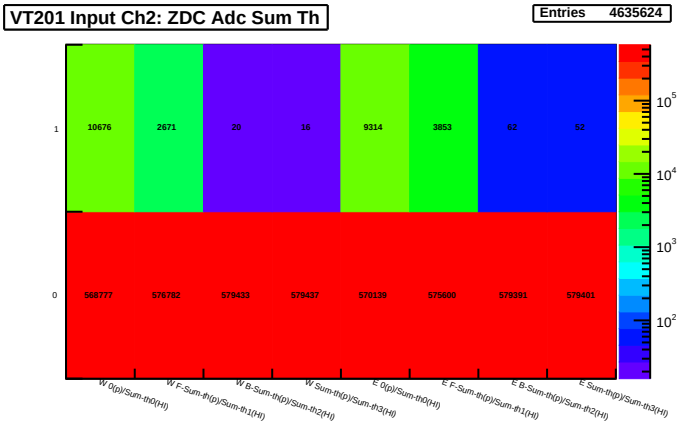

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

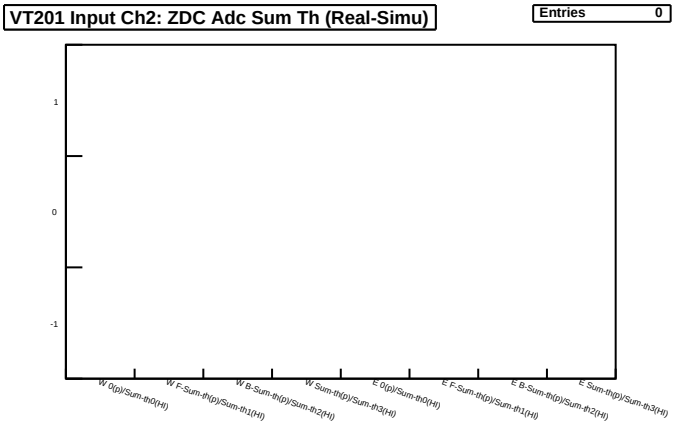

VT201 Input Ch1: EPD Hit Count Th
Entries 1158906
569964
568404
9489
11049
East
West

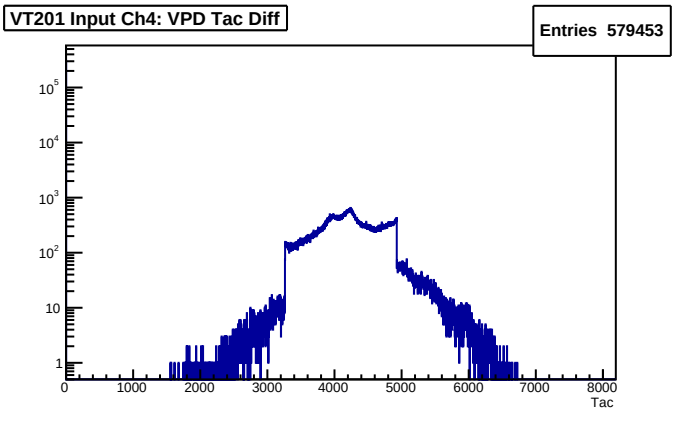

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

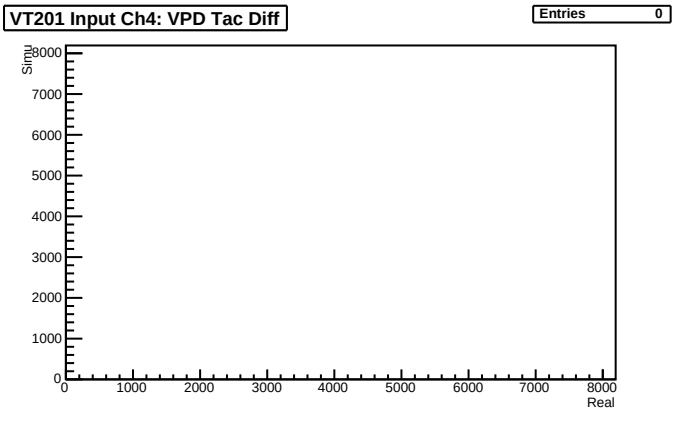

VT201 Input Ch2: ZDC Tac Diff
Entries 579453
Tac

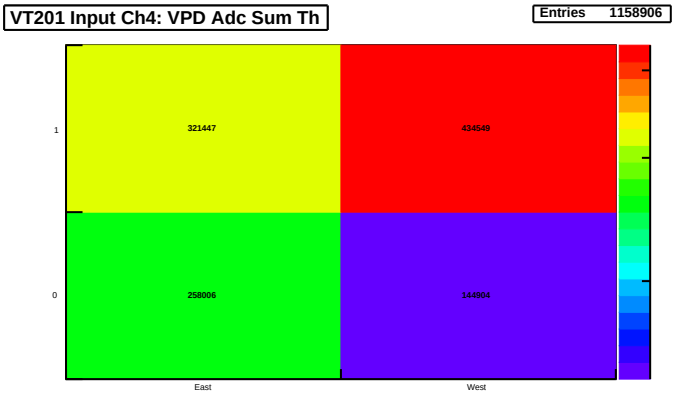

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

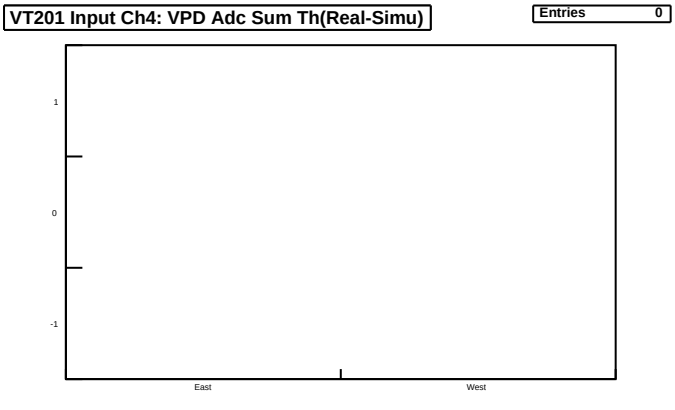

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4635624
10676
2671
20
16
9314
3853
62
52
568777
576782
579433
579437
570139
575600
579391
579401
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

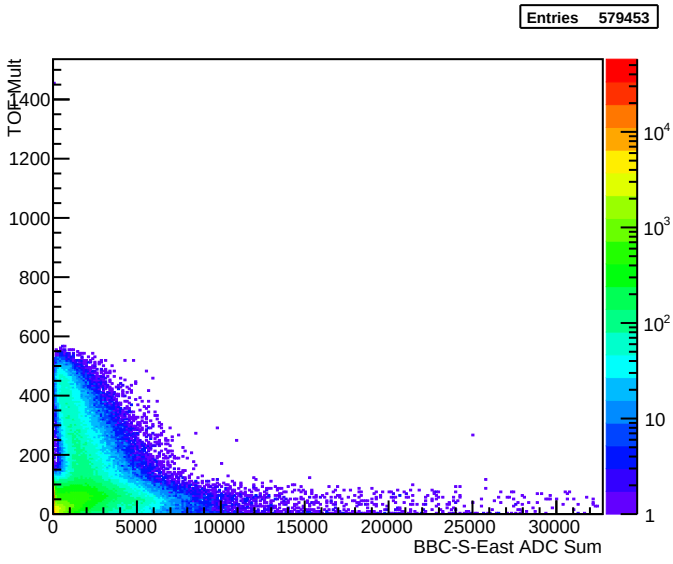

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

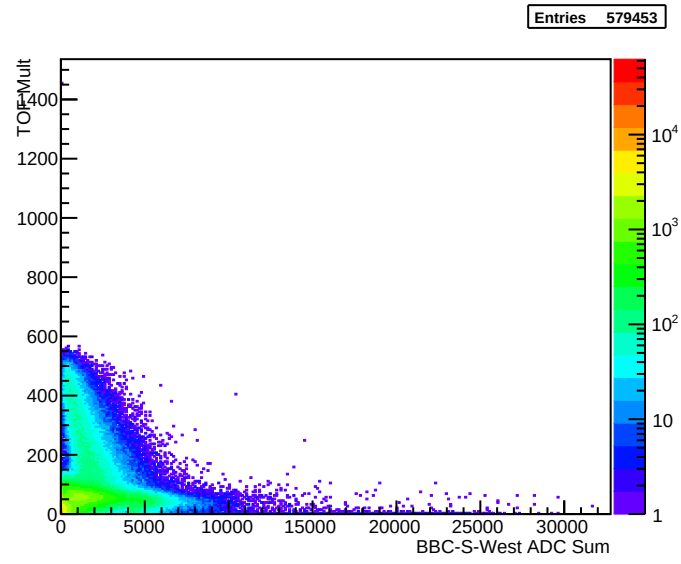

VT201 Input Ch4: VPD Tac Diff
Entries 579453
Tac

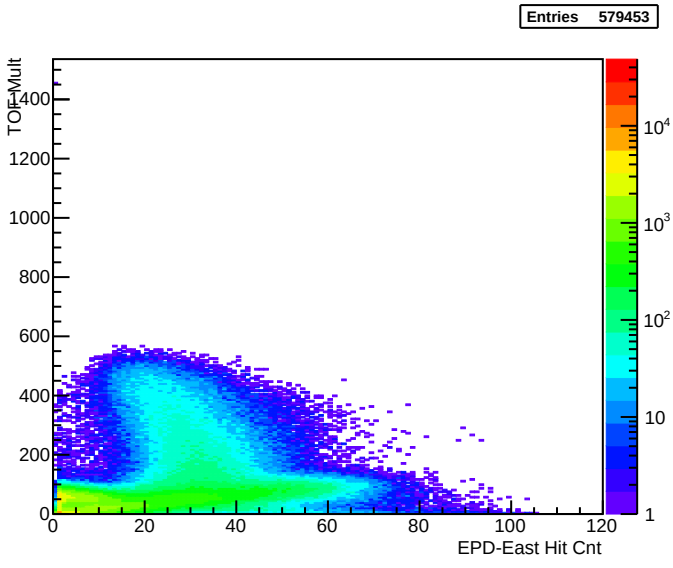

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

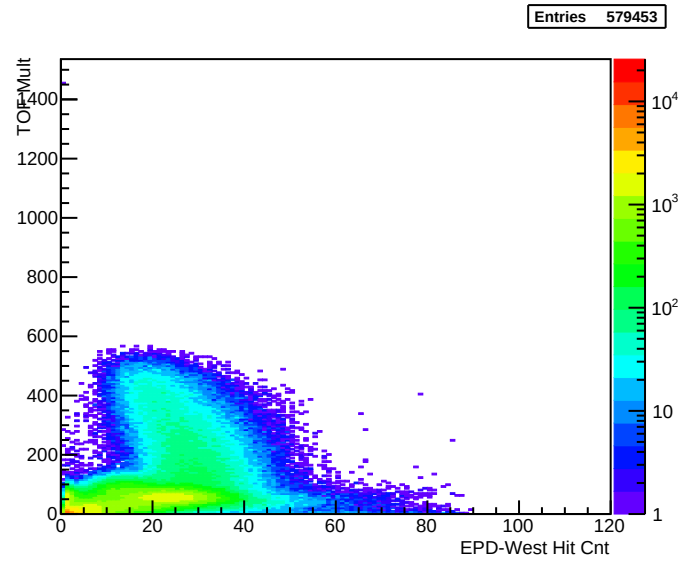

VT201 Input Ch4: VPD Adc Sum Th
Entries 1158906
321447
434549
258006
144904
East
West

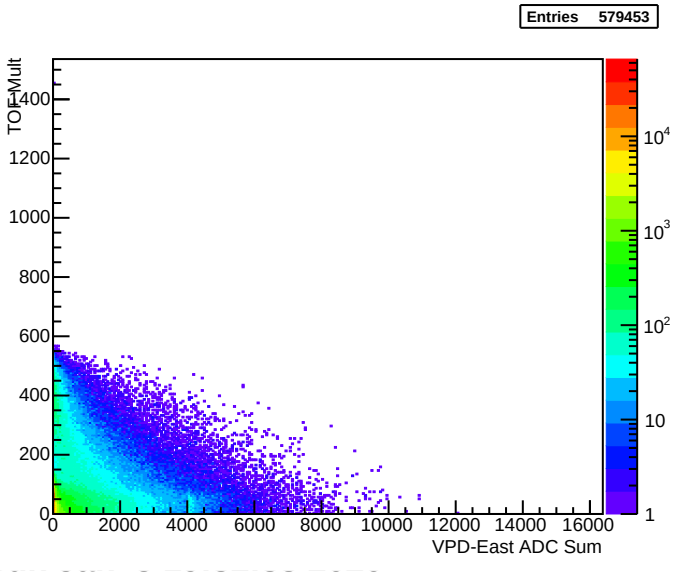

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

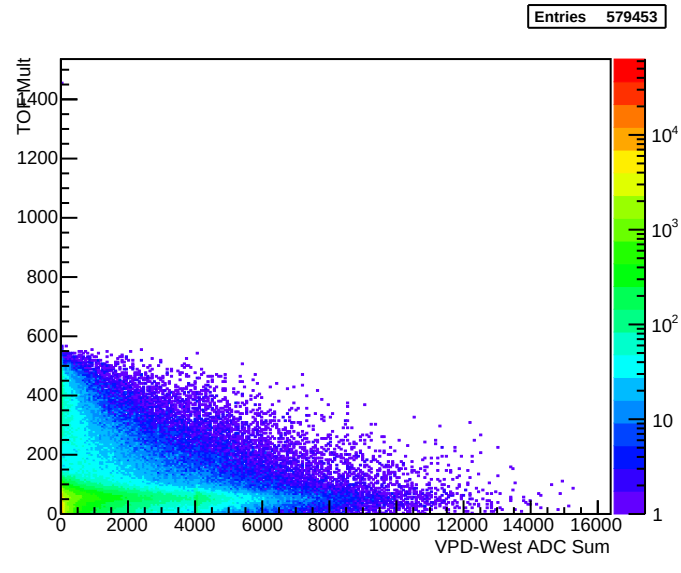

Entries 579453
TOF-Mult
BBC-S-East ADC Sum

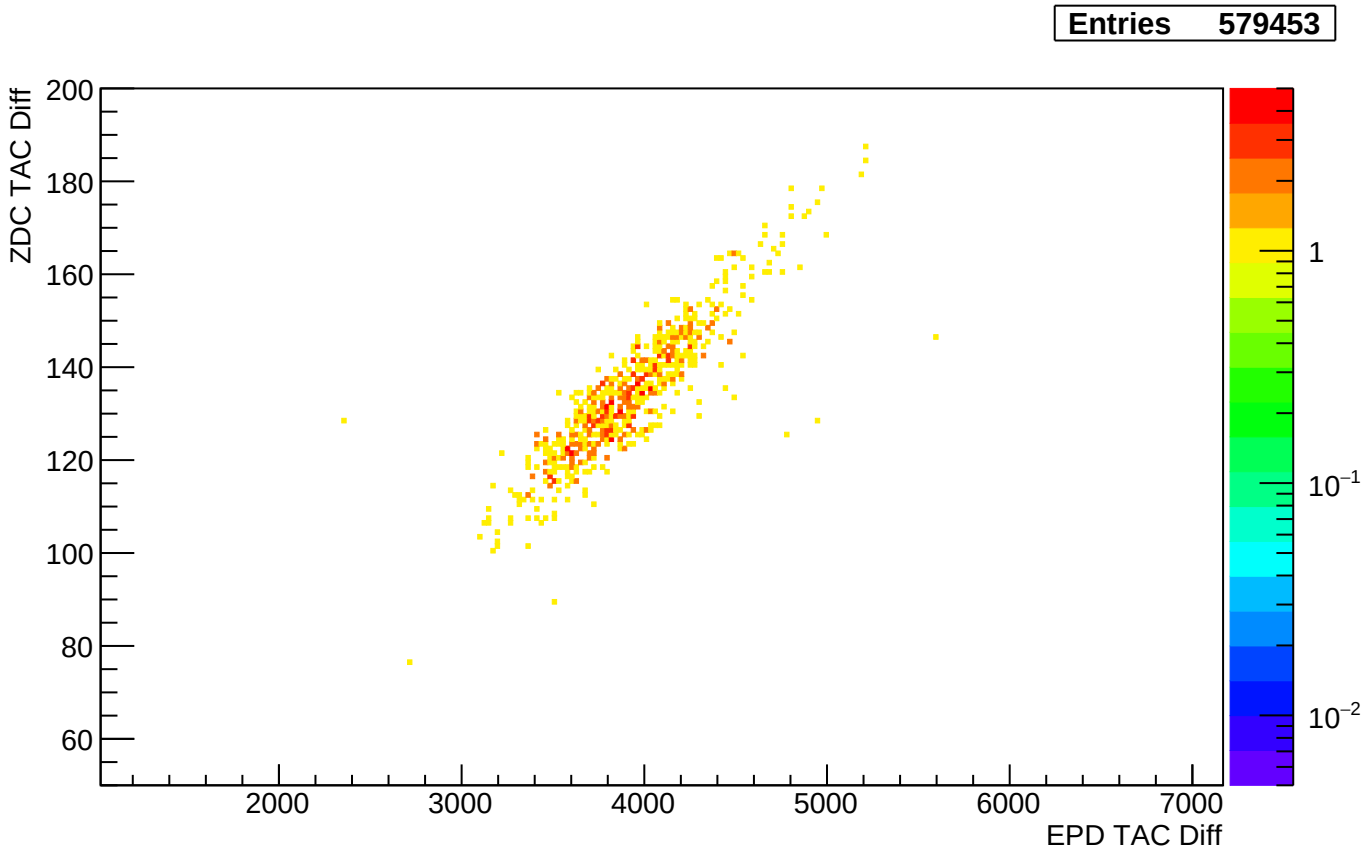

Entries 579453
TOF-Mult
BBC-S-West ADC Sum

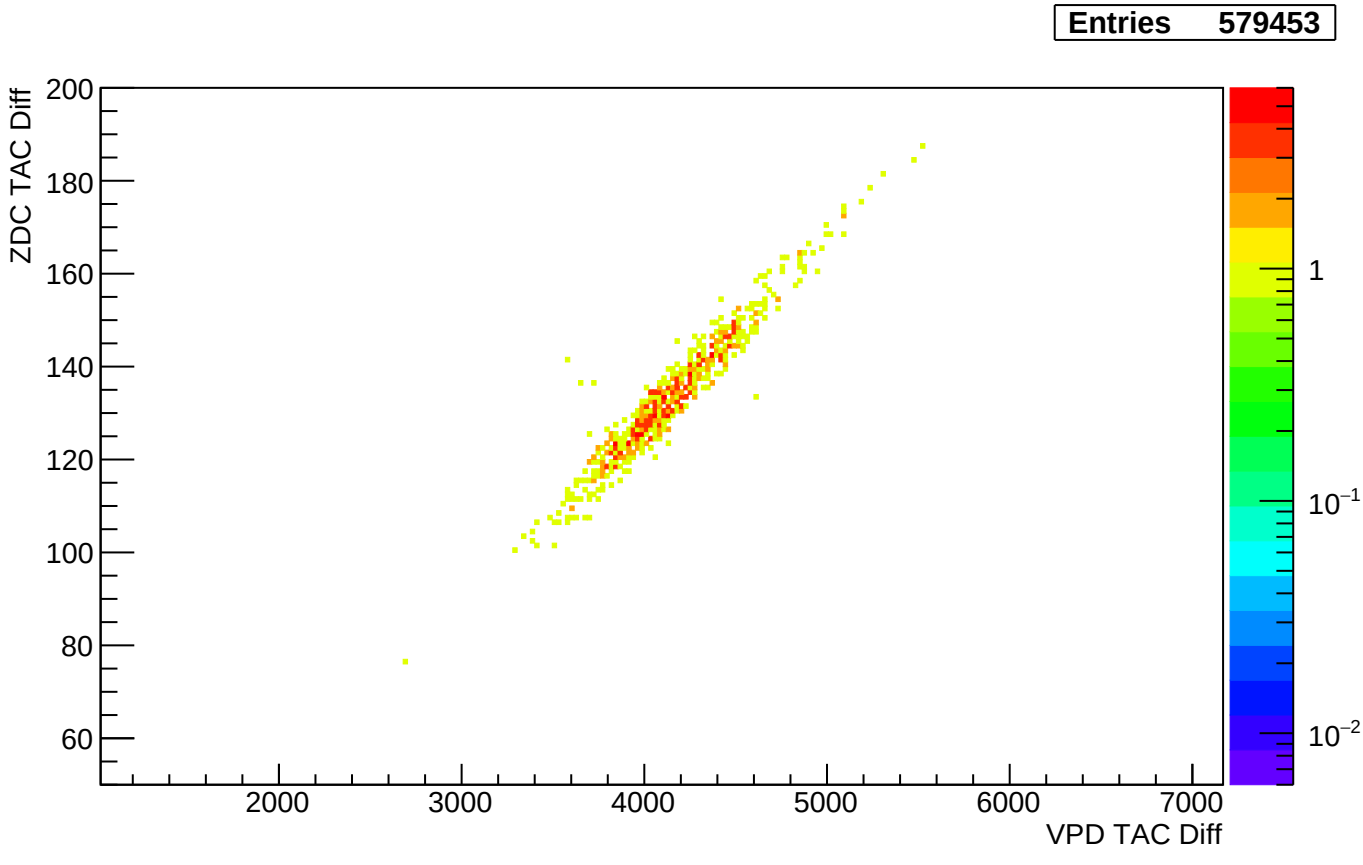

Entries 579453
TOF-Mult
EPD-East Hit Cnt

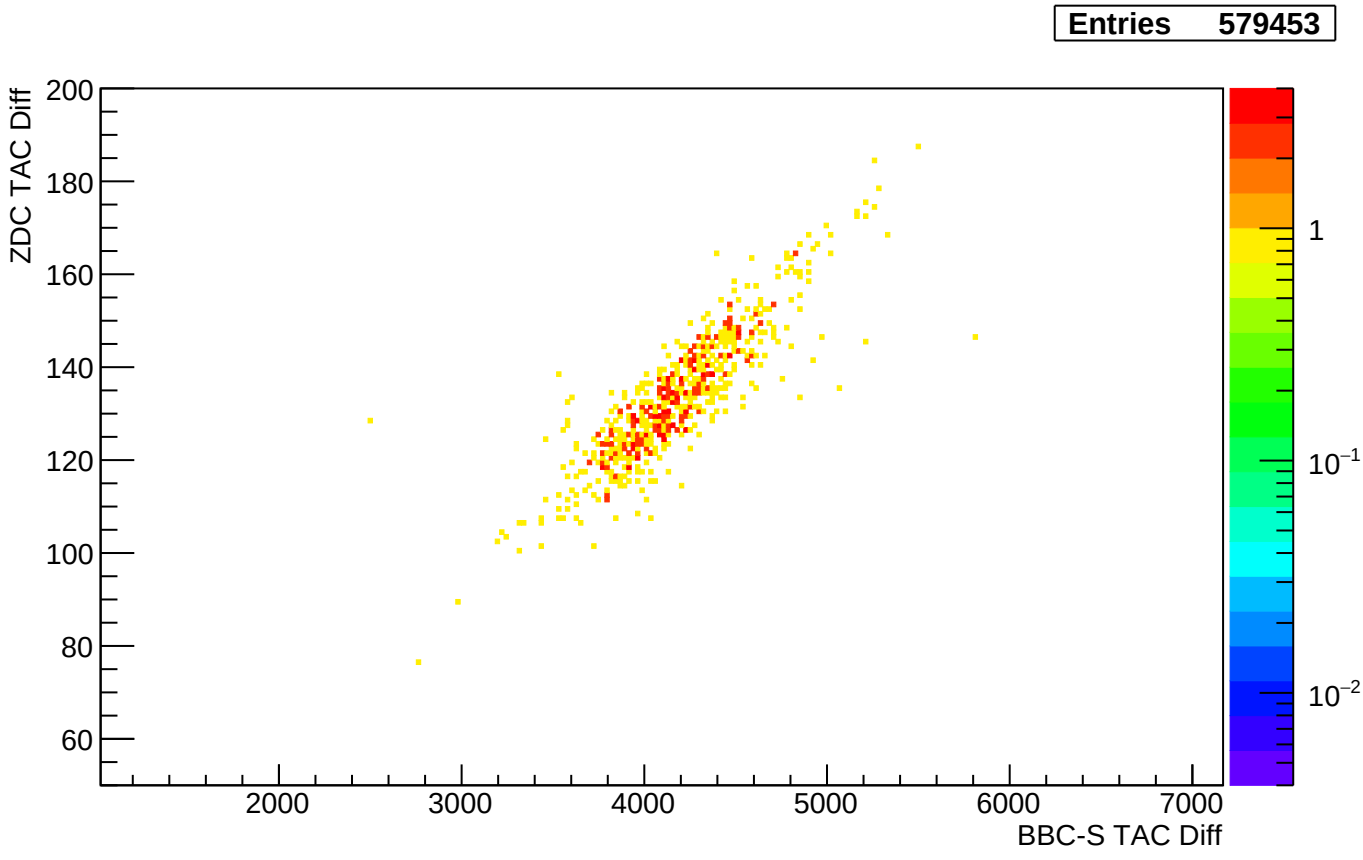

Entries 579453
TOF-Mult
EPD-West Hit Cnt

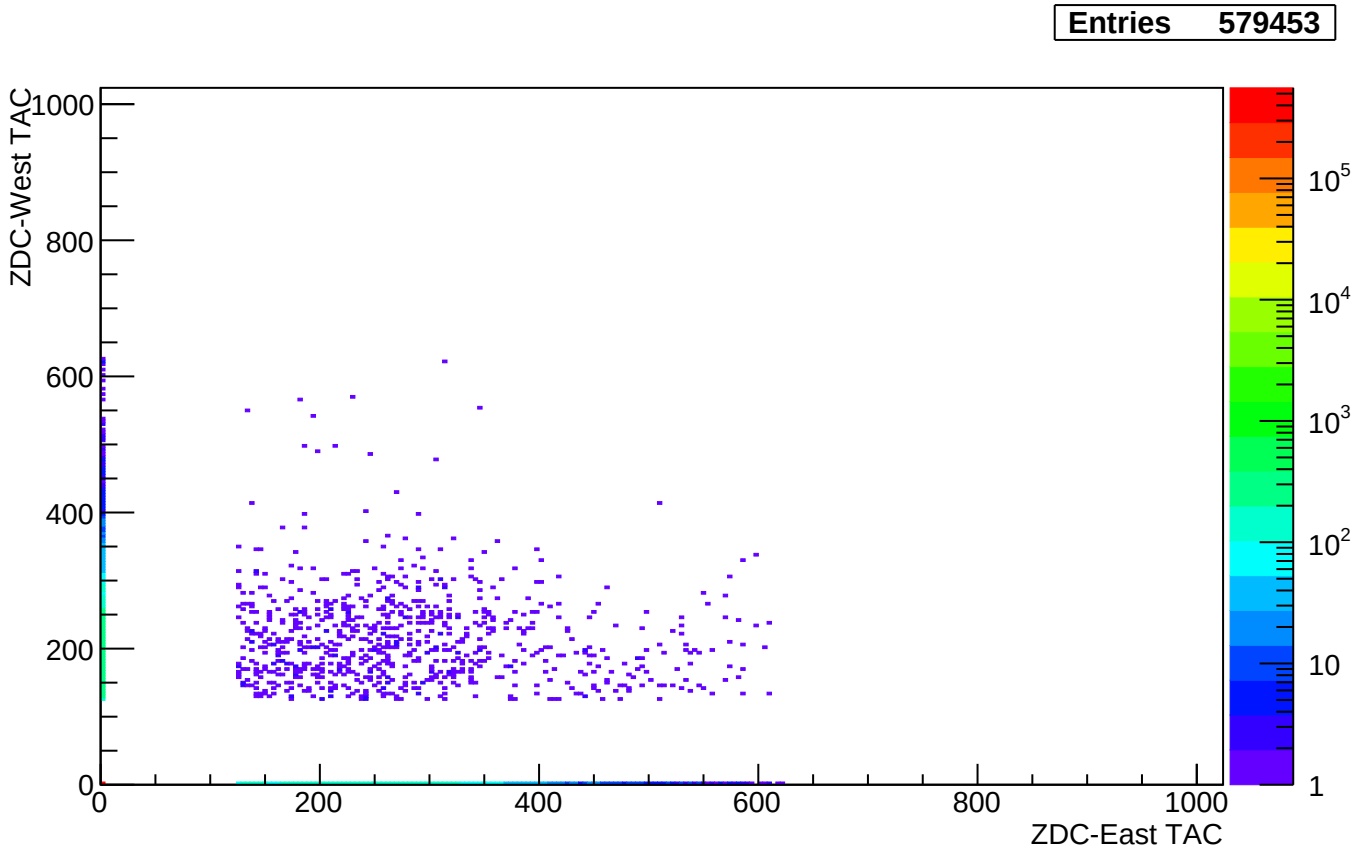

Entries 579453
TOF-Mult
VPD-East ADC Sum

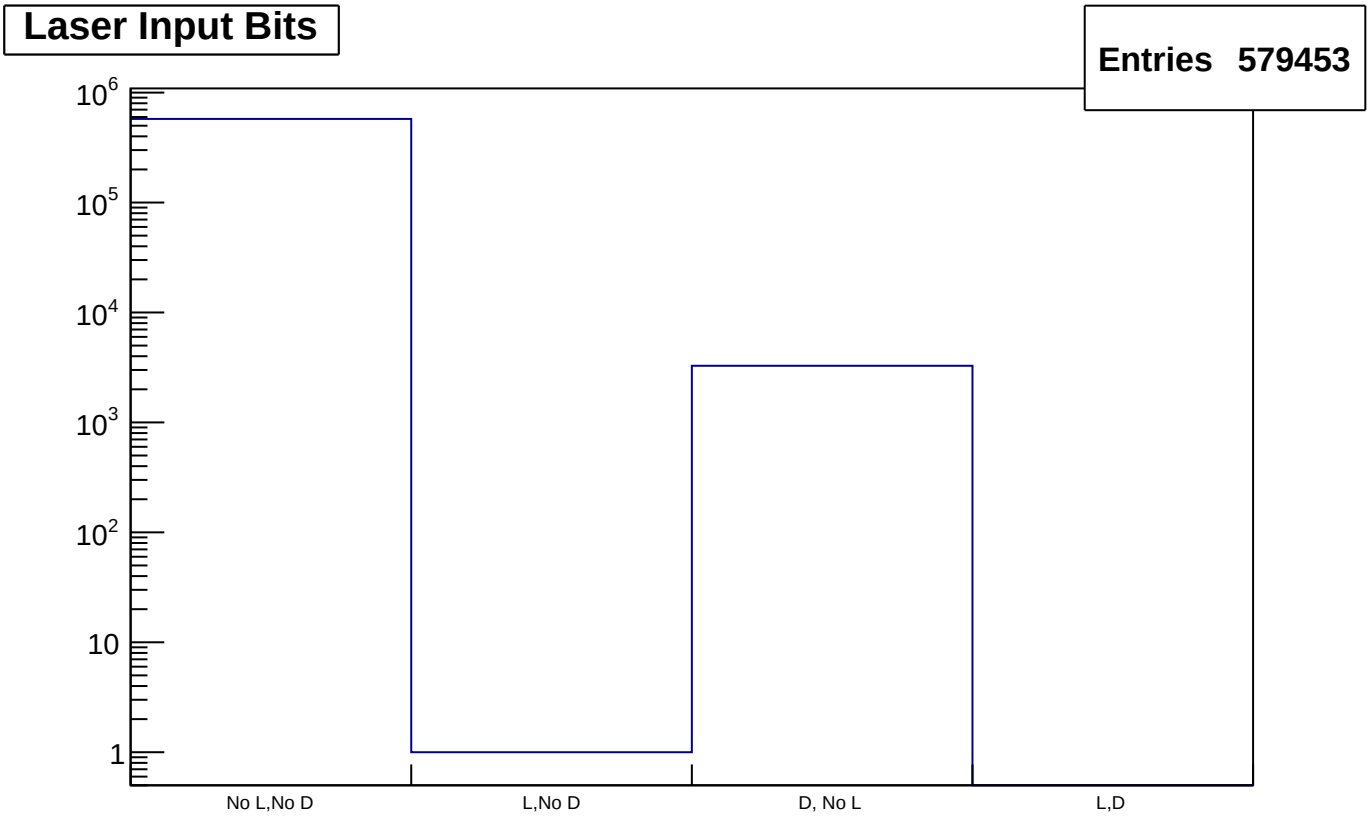

Entries 579453
TOF-Mult
VPD-West ADC Sum

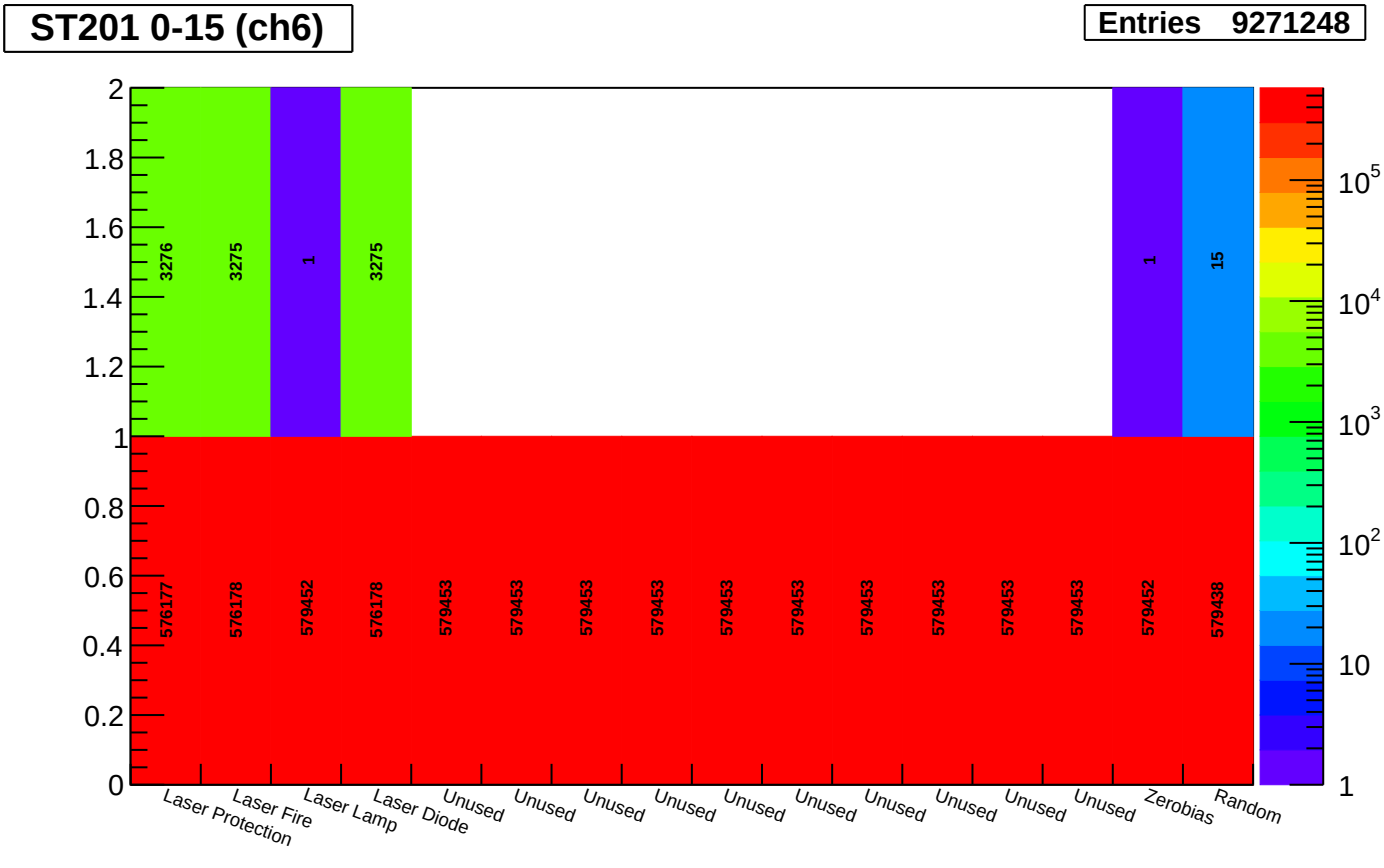

Entries 579453
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

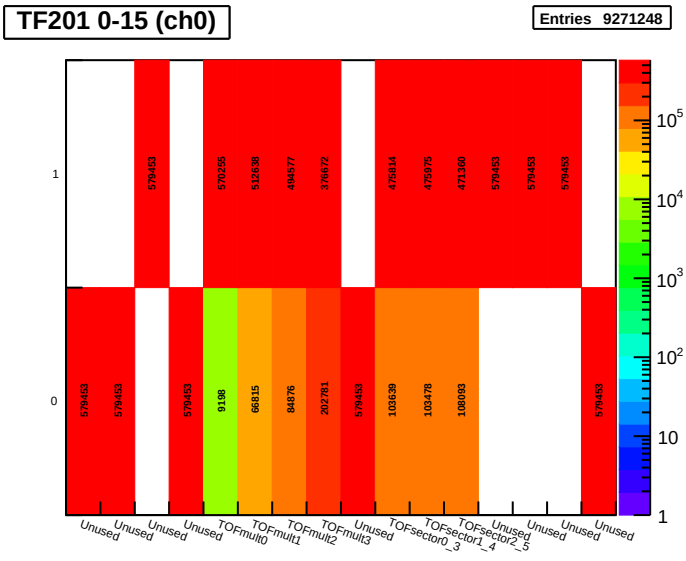

Entries 579453
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

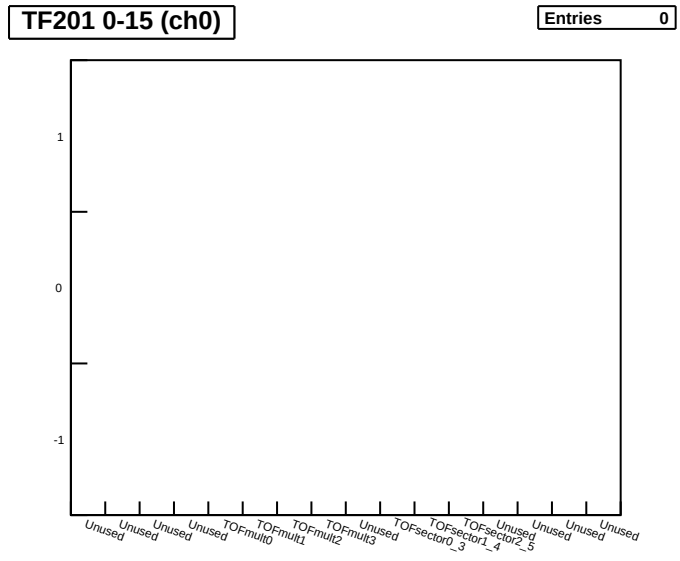

Entries 579453
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

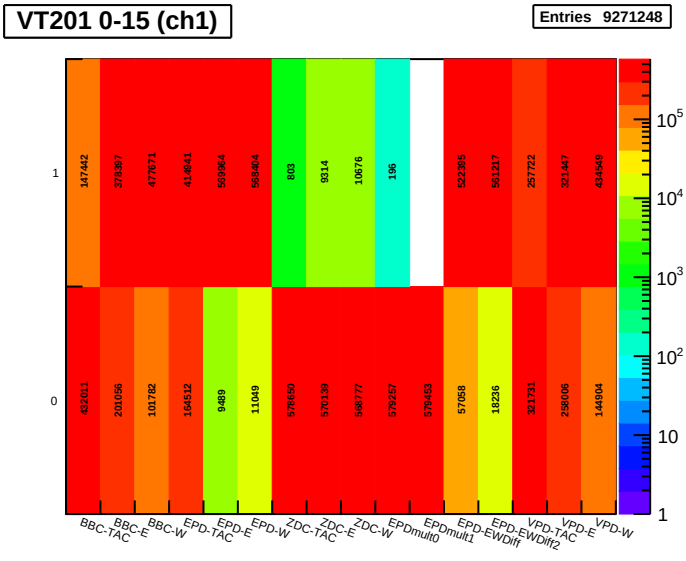

Entries 579453
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

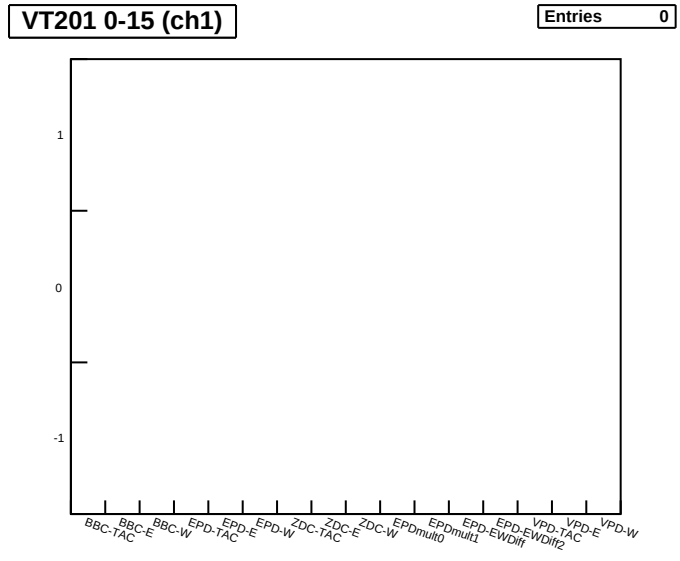

Laser Input Bits
Entries 579453
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

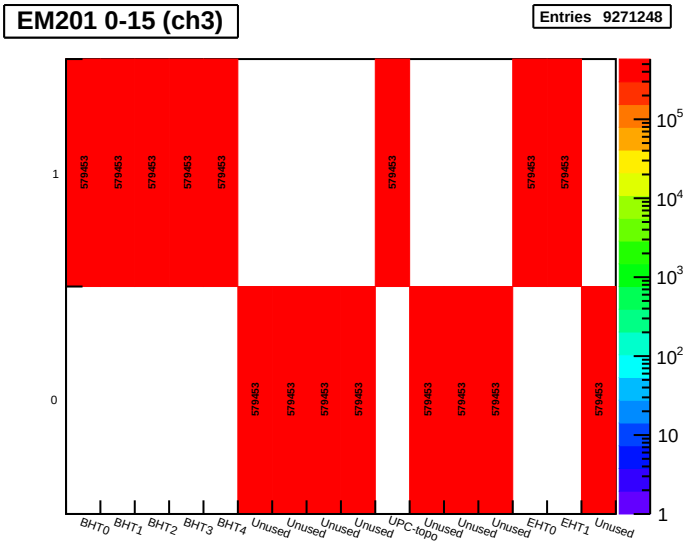

ST201 0-15 (ch6)
Entries 9271248
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3276
3275
1
3275
1
15
576177
576178
579452
576178
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579452
579438
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

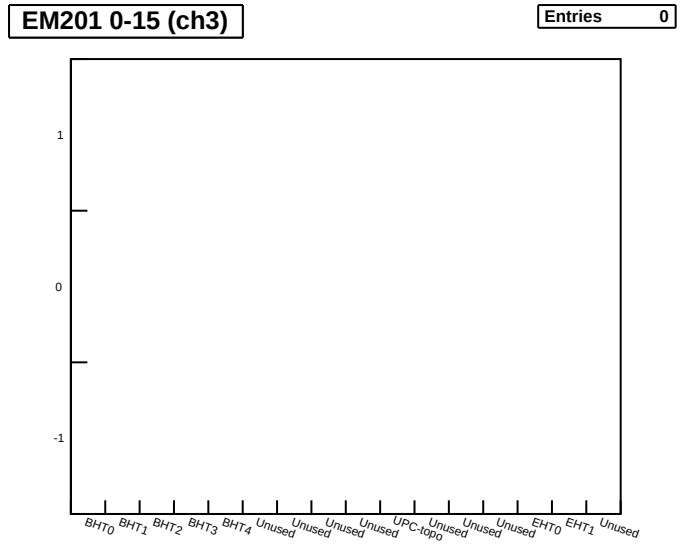

TF201 0-15 (ch0)
Entries 9271248
1
0
579453
570255
512638
494577
376672
475814
475975
471360
579453
579453
579453
579453
579453
9198
66815
84876
202781
579453
103639
103478
108093
579453
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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 9271248
1
0
147442
378397
477671
414941
569964
568404
803
9314
10676
196
522395
561217
257722
321447
434549
432011
201056
101782
164512
9489
11049
578650
570139
568777
579257
579453
57058
18236
321731
258006
144904
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 9271248
1
0
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
579453
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