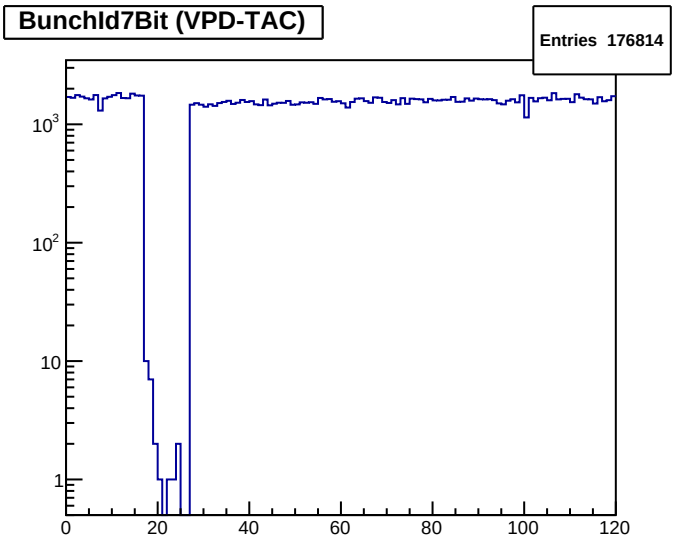
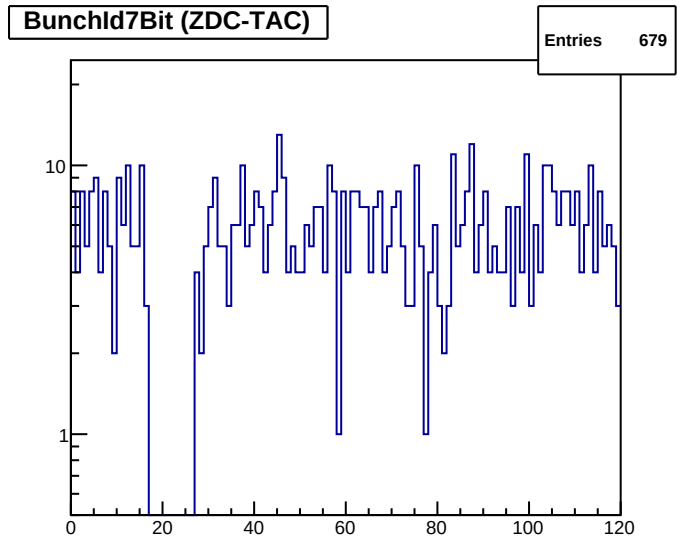
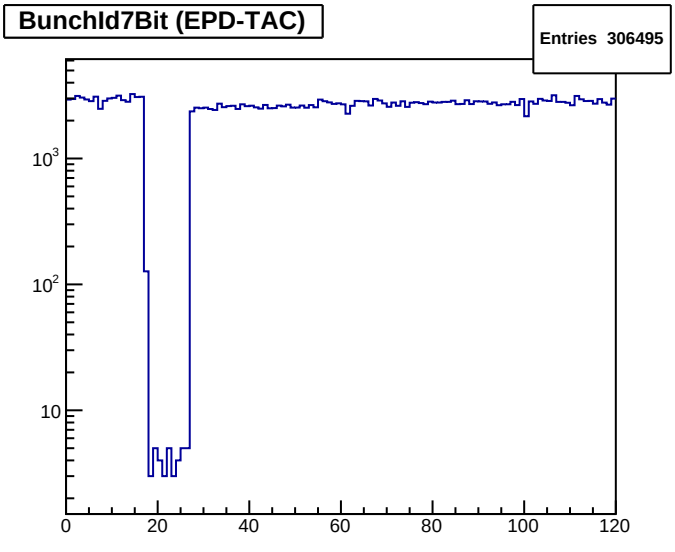
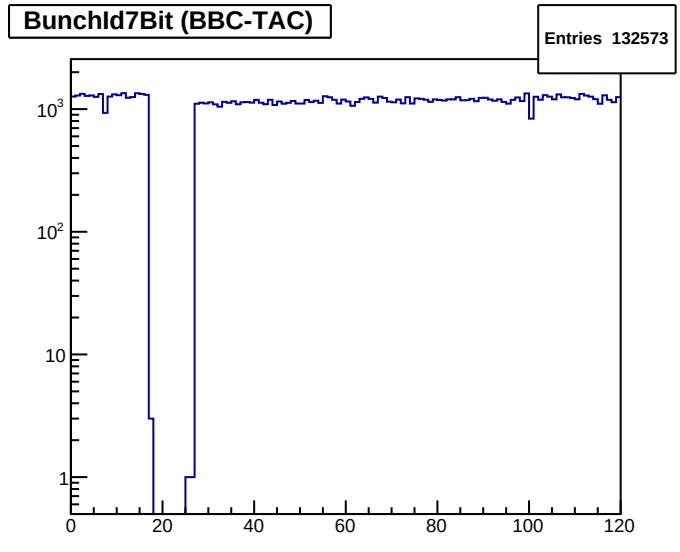
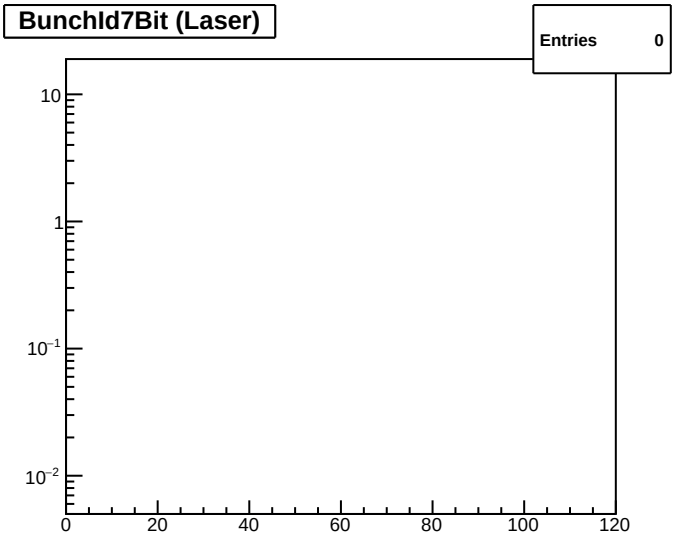
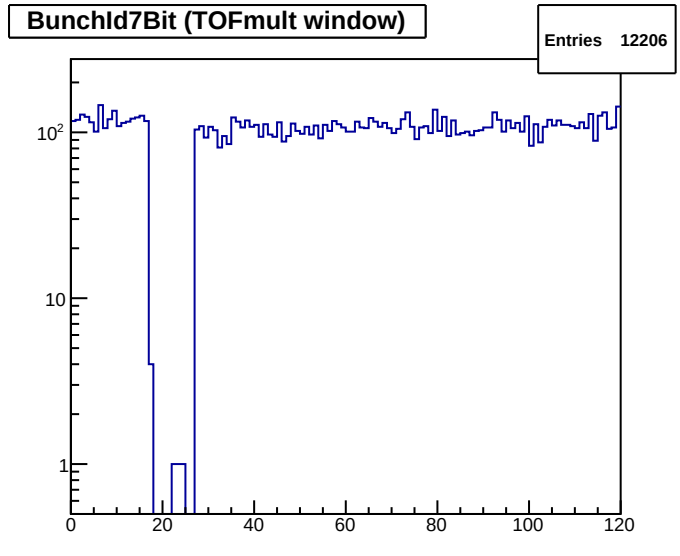

BunchId7Bit (VPD-TAC)
Entries 176814

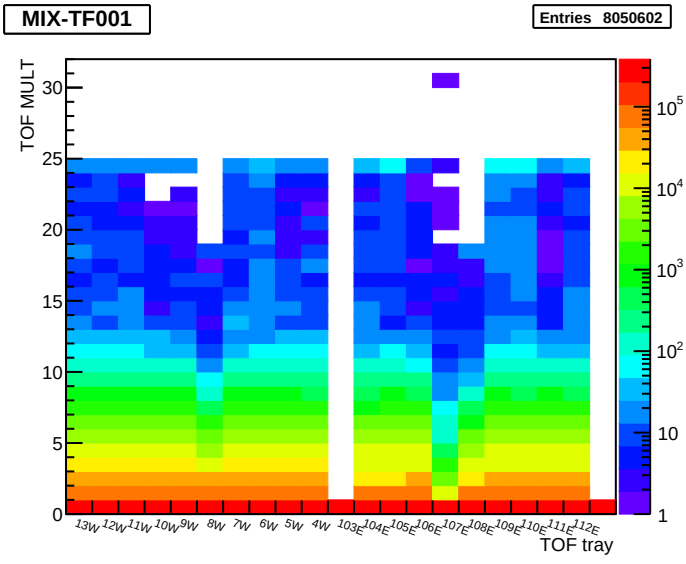

BunchId7Bit (ZDC-TAC)
Entries 679

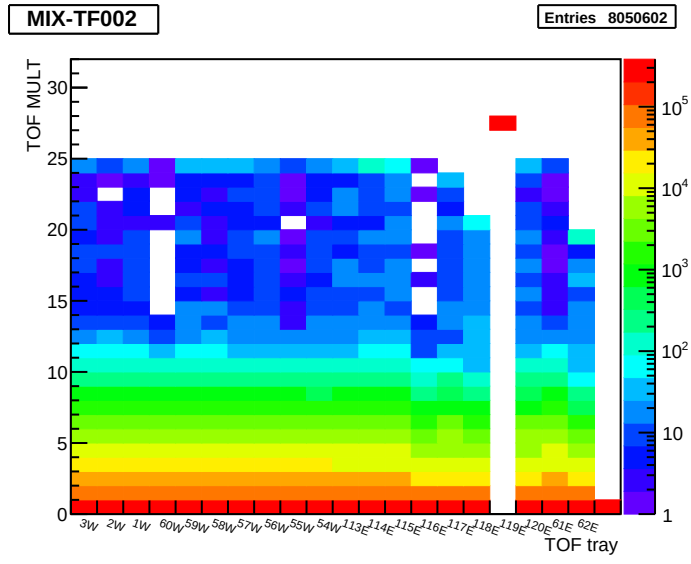

BunchId7Bit (EPD-TAC)
Entries 306495

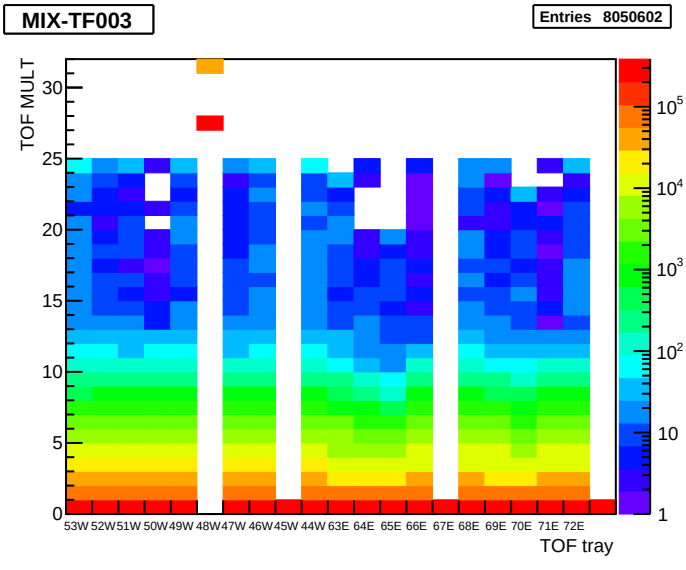

BunchId7Bit (BBC-TAC)
Entries 132573

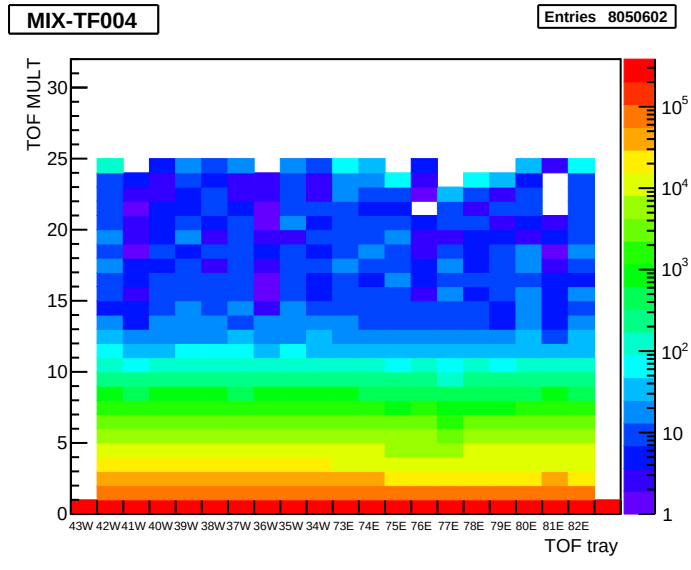

BunchId7Bit (Laser)
Entries 0

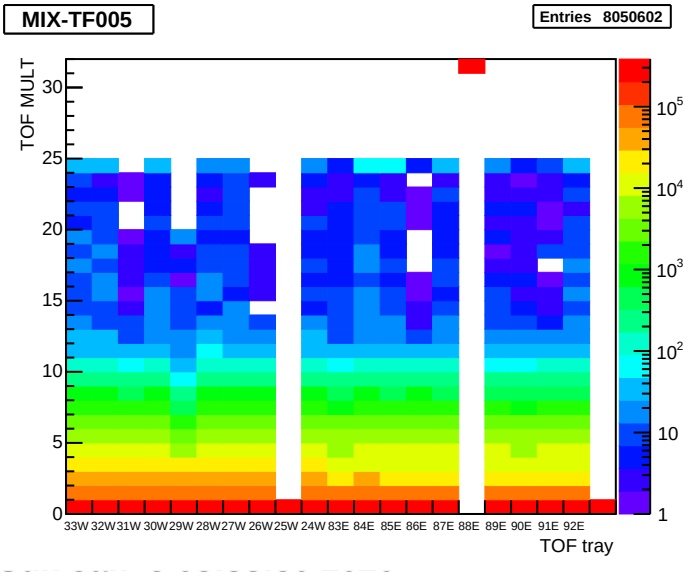

BunchId7Bit (TOFmult window)
Entries 12206

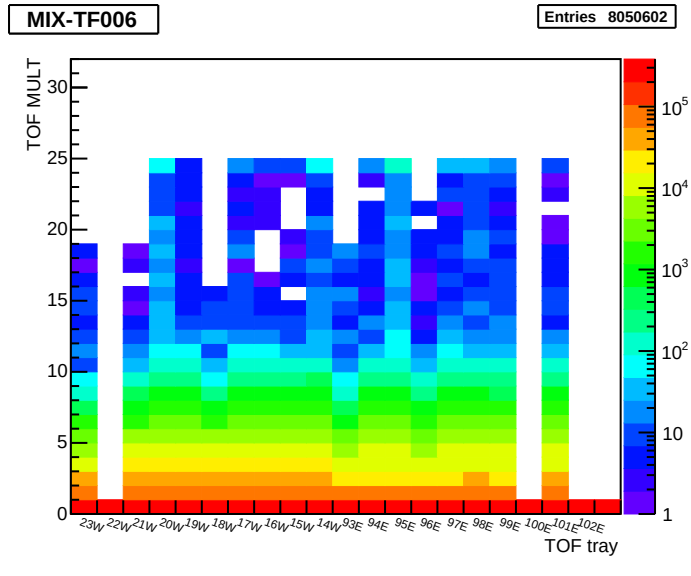

MIX-TF001
Entries 8050602
TOF MULT
TOF tray

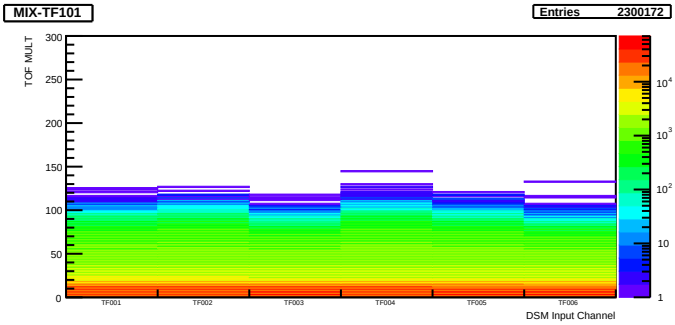

MIX-TF002
Entries 8050602
TOF MULT
TOF tray

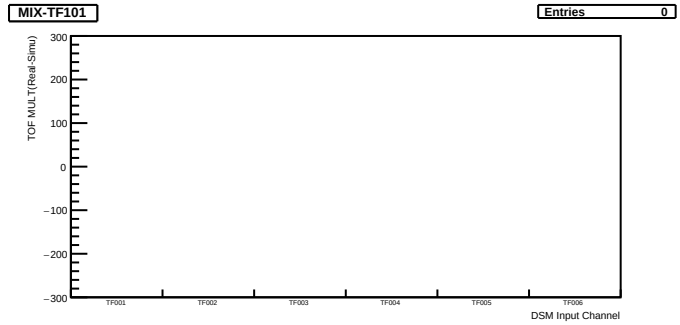

MIX-TF003
Entries 8050602
TOF MULT
TOF tray

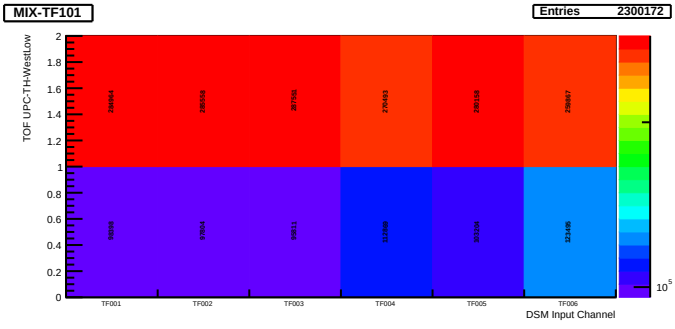

MIX-TF004
Entries 8050602
TOF MULT
TOF tray

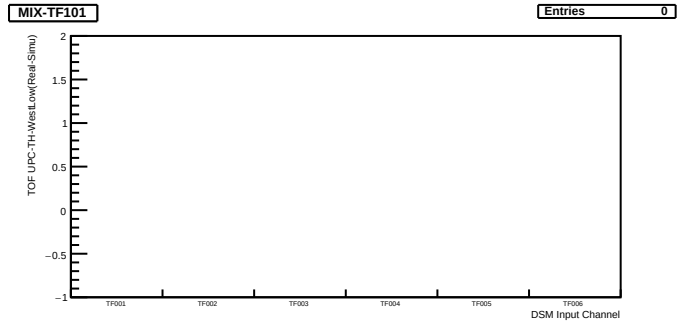

MIX-TF005
Entries 8050602
TOF MULT
TOF tray

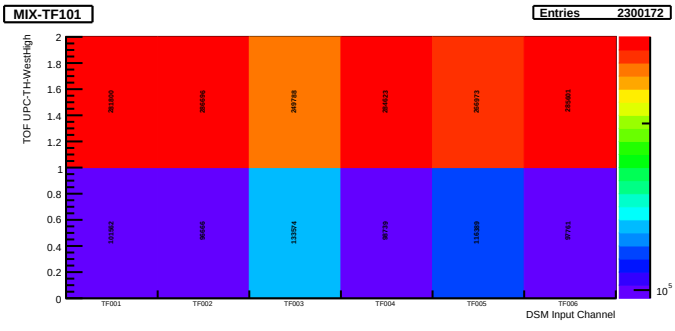

MIX-TF006
Entries 8050602
TOF MULT
TOF tray

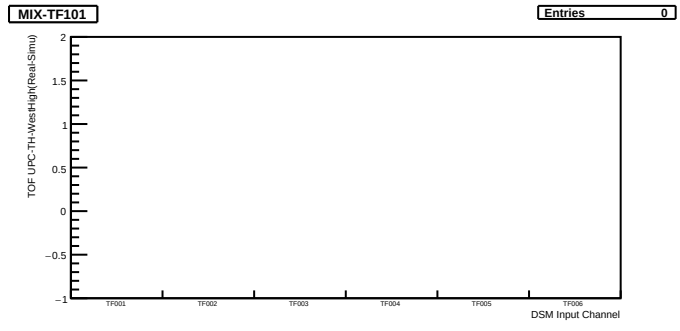

MIX-TF101
Entries 2300172
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

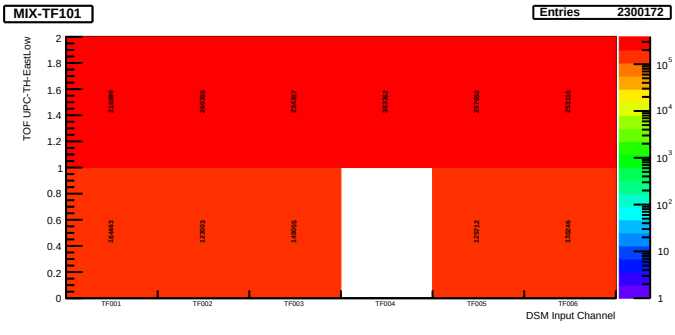

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

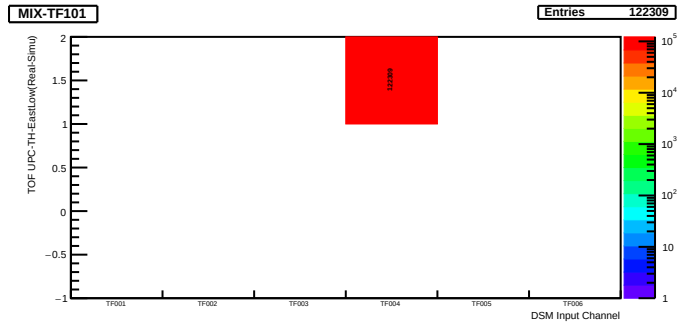

MIX-TF101
Entries 2300172
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

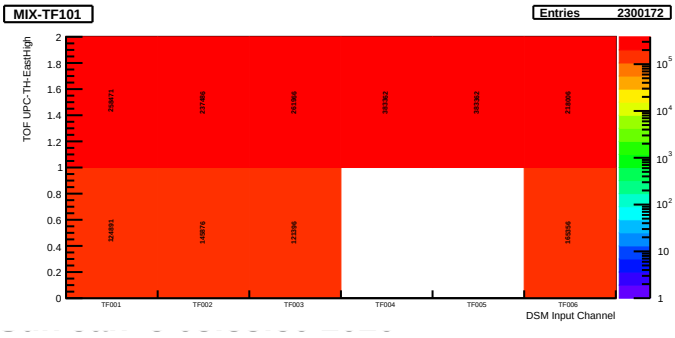

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

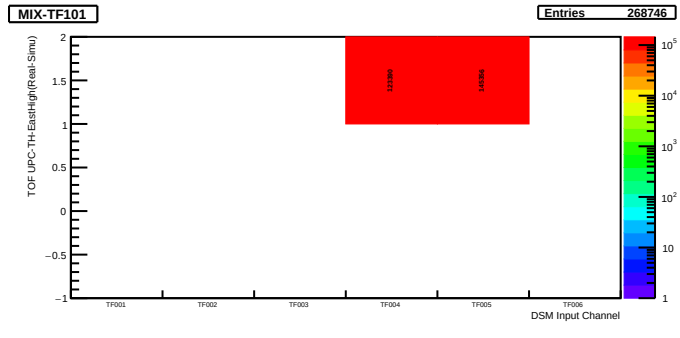

MIX-TF101
Entries 2300172
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

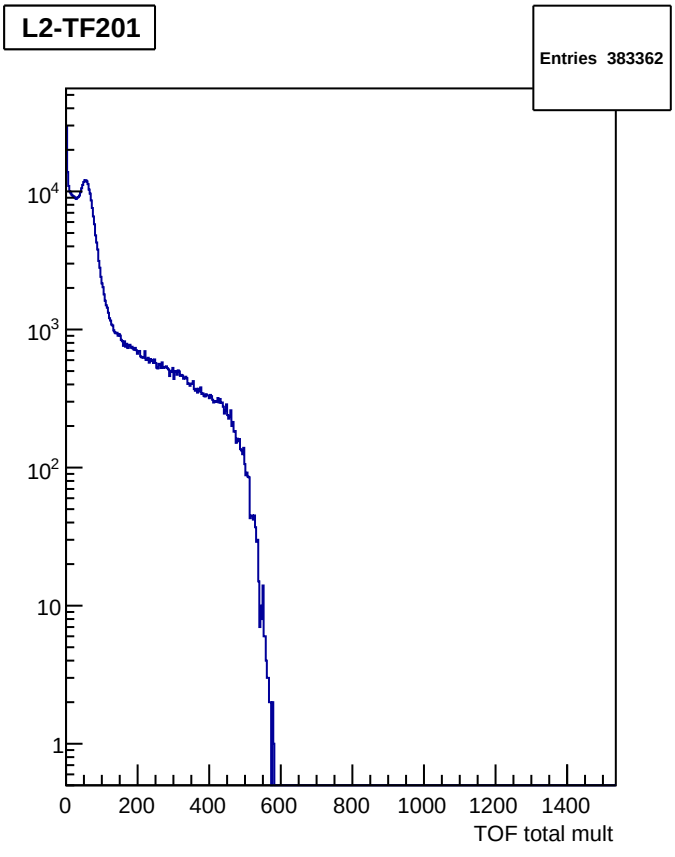

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

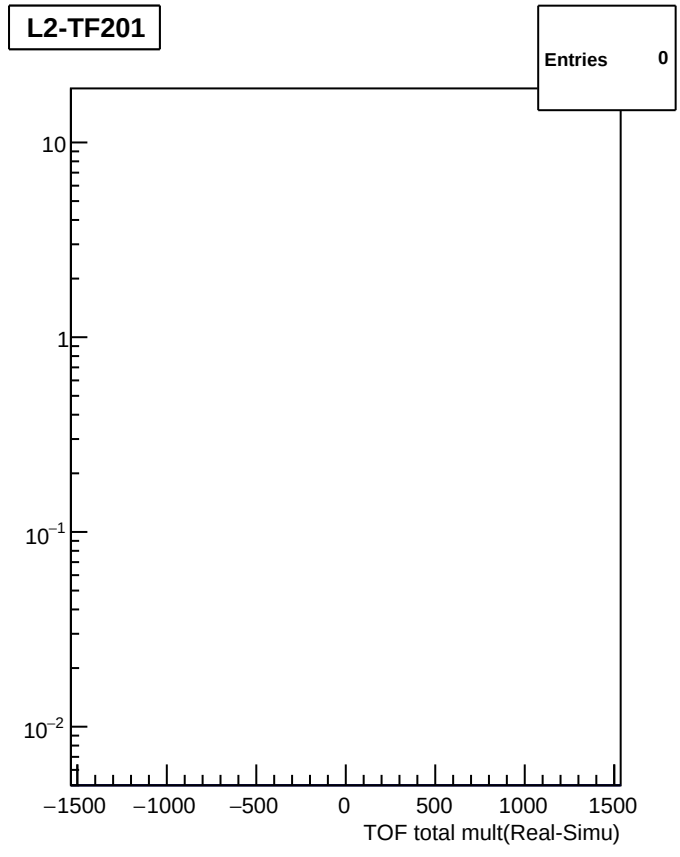

MIX-TF101
Entries 2300172
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

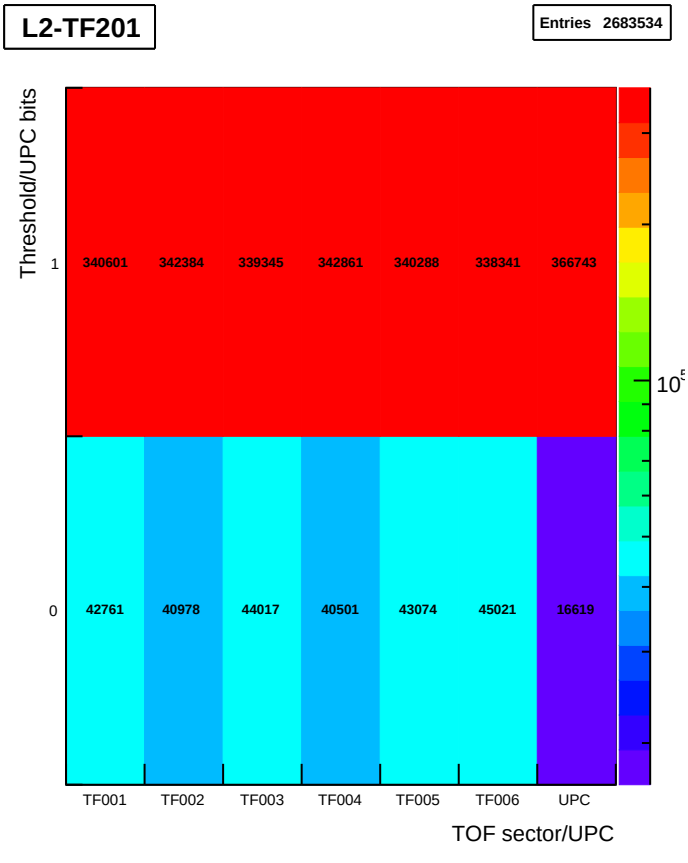

MIX-TF101
Entries 122309
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

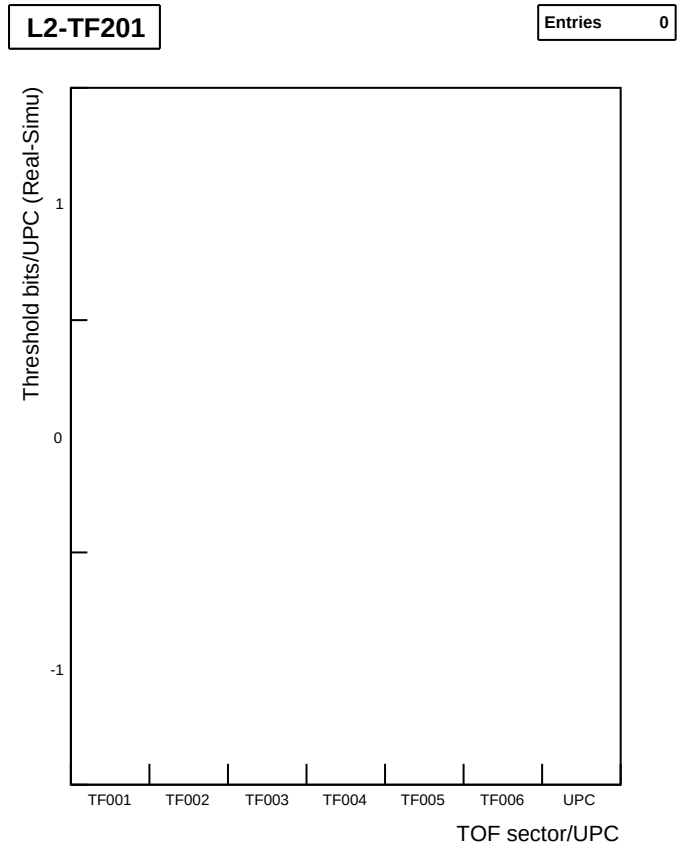

MIX-TF101
Entries 2300172
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

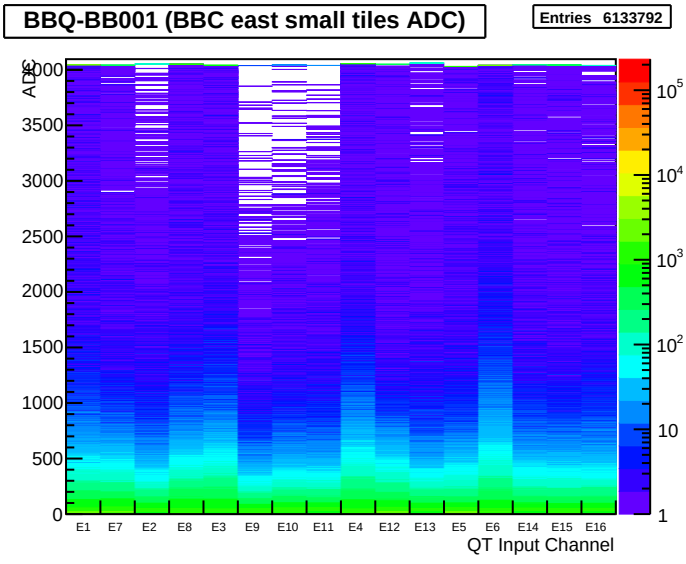

MIX-TF101
Entries 268746
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

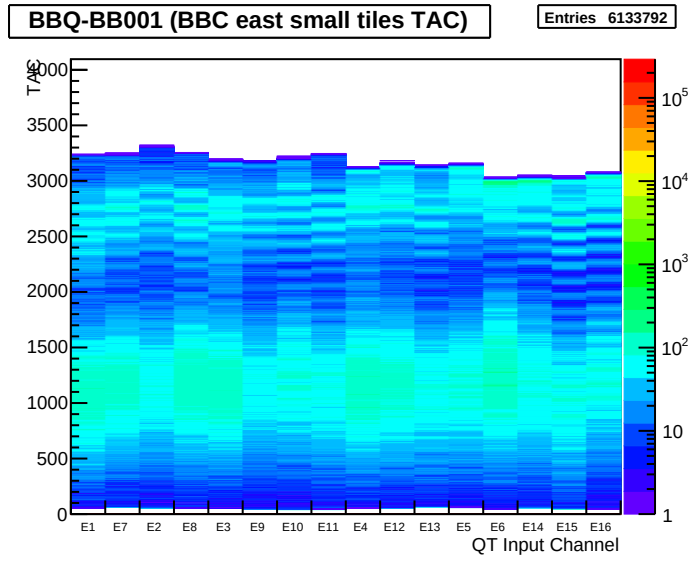

L2-TF201
Entries 383362
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

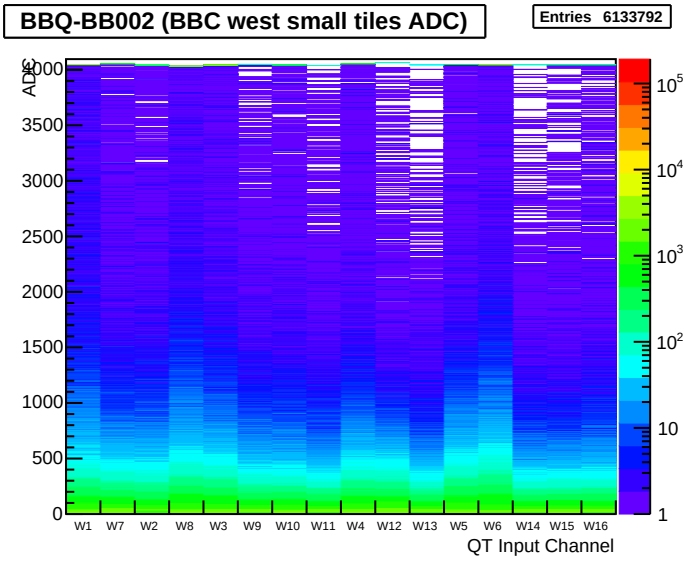

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

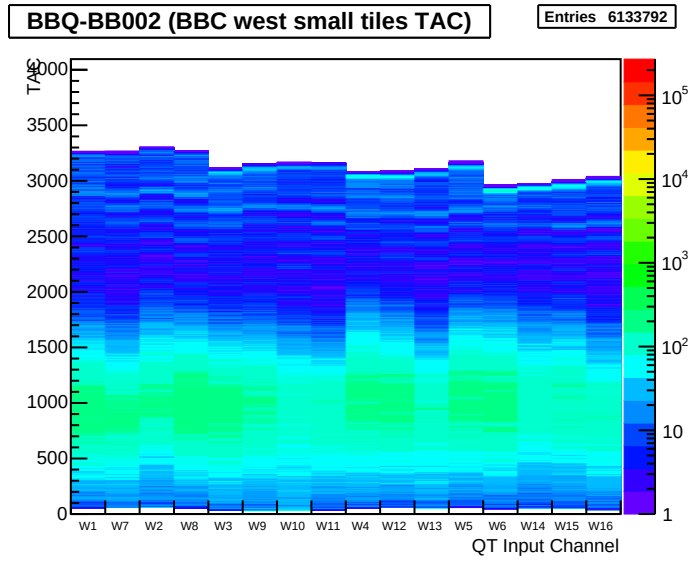

L2-TF201
Entries 2683534
Threshold/UPC bits
1
0
340601
342384
339345
342861
340288
338341
366743
42761
40978
44017
40501
43074
45021
16619
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

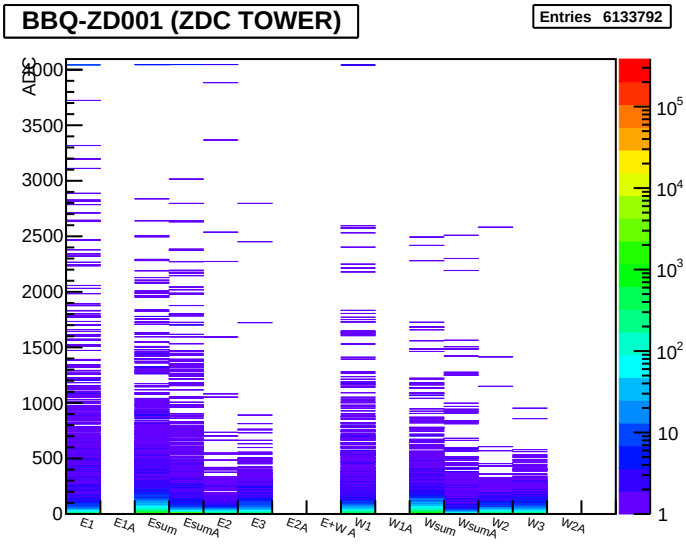

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

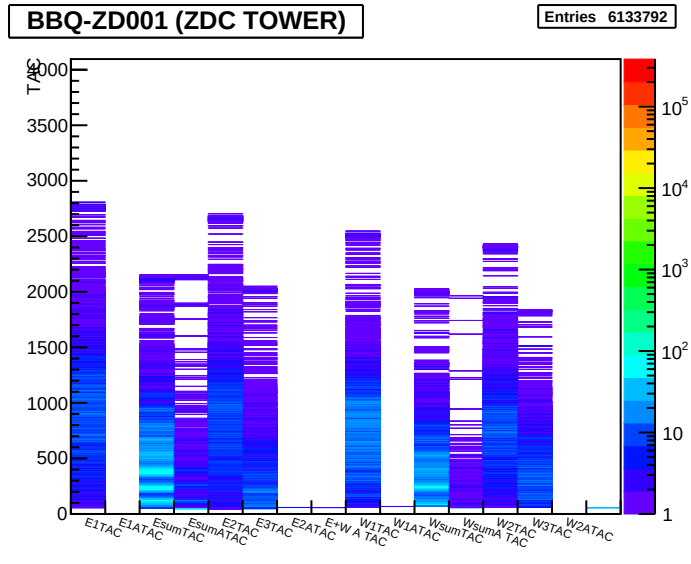

BBQ-BB001 (BBC east small tiles ADC)
Entries 6133792
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

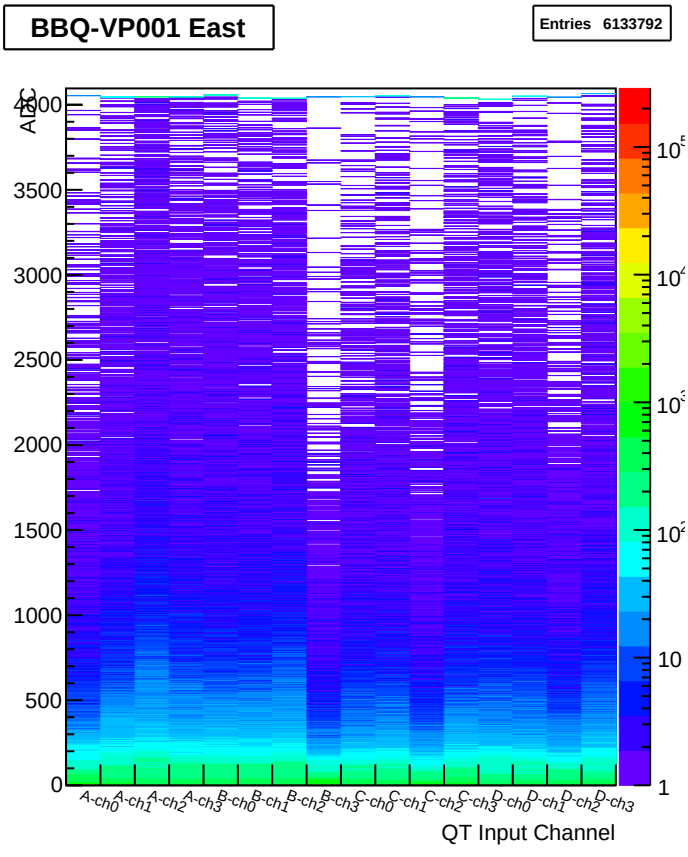

BBQ-BB001 (BBC east small tiles TAC)
Entries 6133792
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

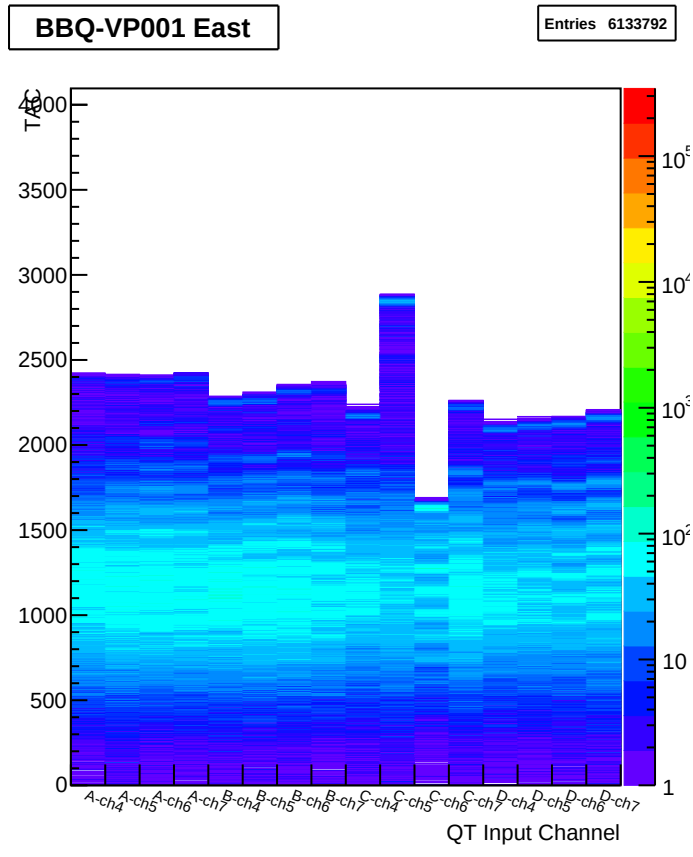

BBQ-BB002 (BBC west small tiles ADC)
Entries 6133792
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

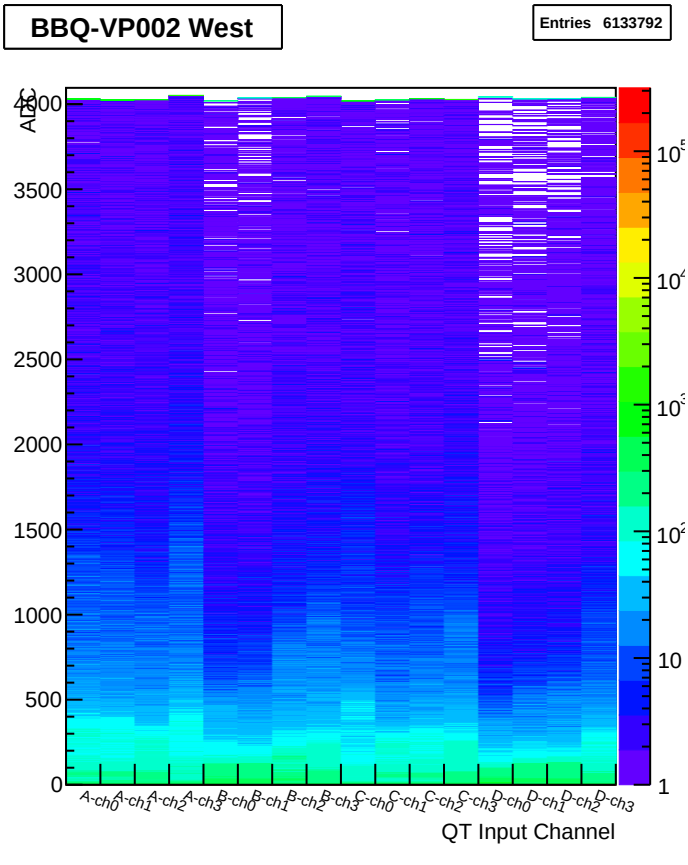

BBQ-BB002 (BBC west small tiles TAC)
Entries 6133792
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

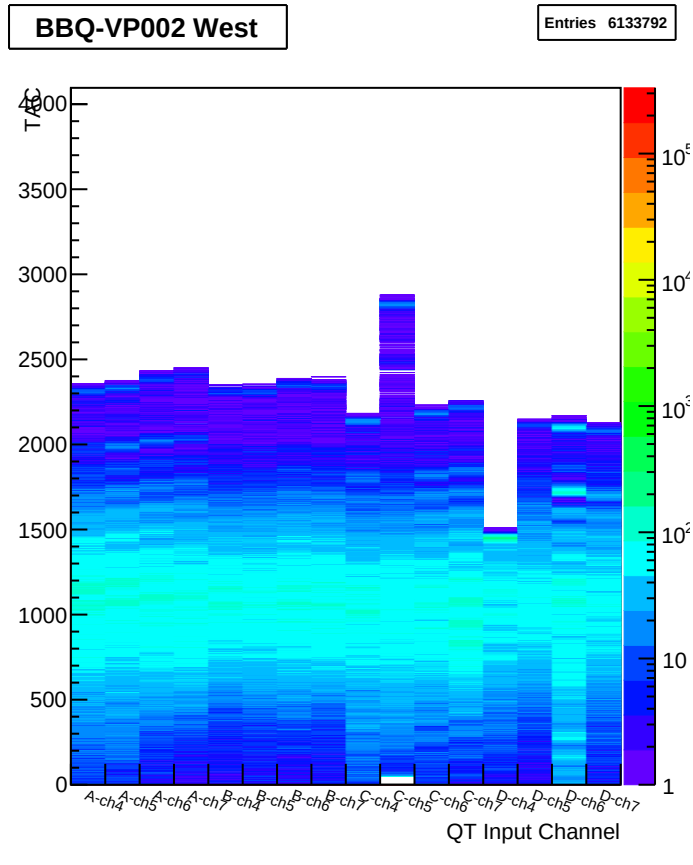

BBQ-ZD001 (ZDC TOWER)
Entries 6133792
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

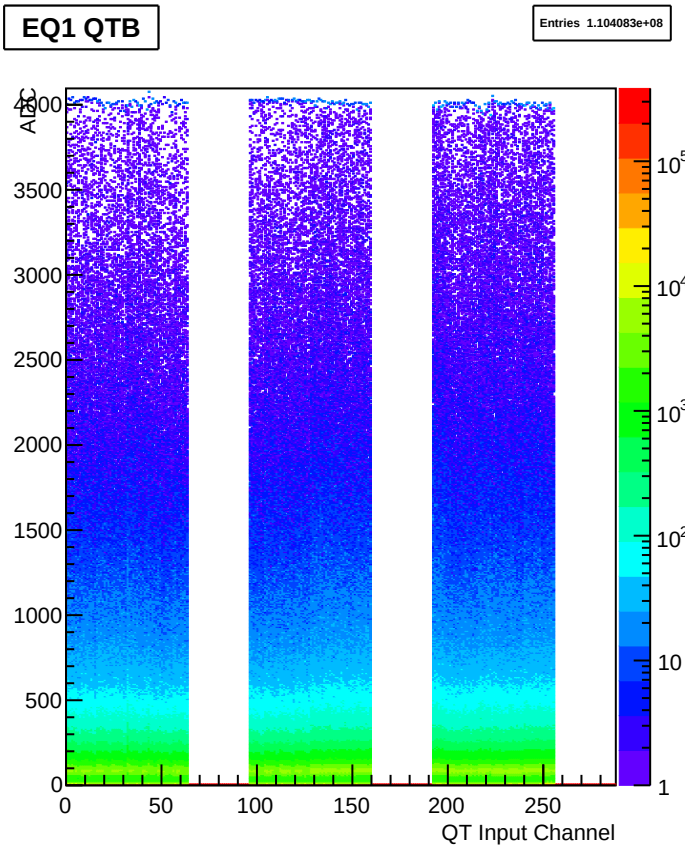

BBQ-ZD001 (ZDC TOWER)
Entries 6133792
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

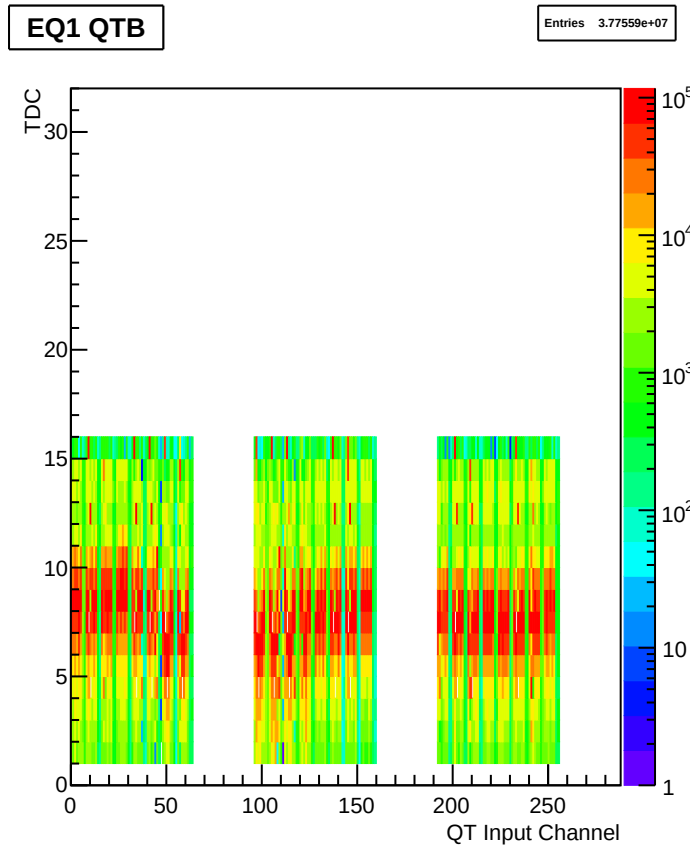

BBQ-VP001 East
Entries 6133792
ADC
QT Input Channel

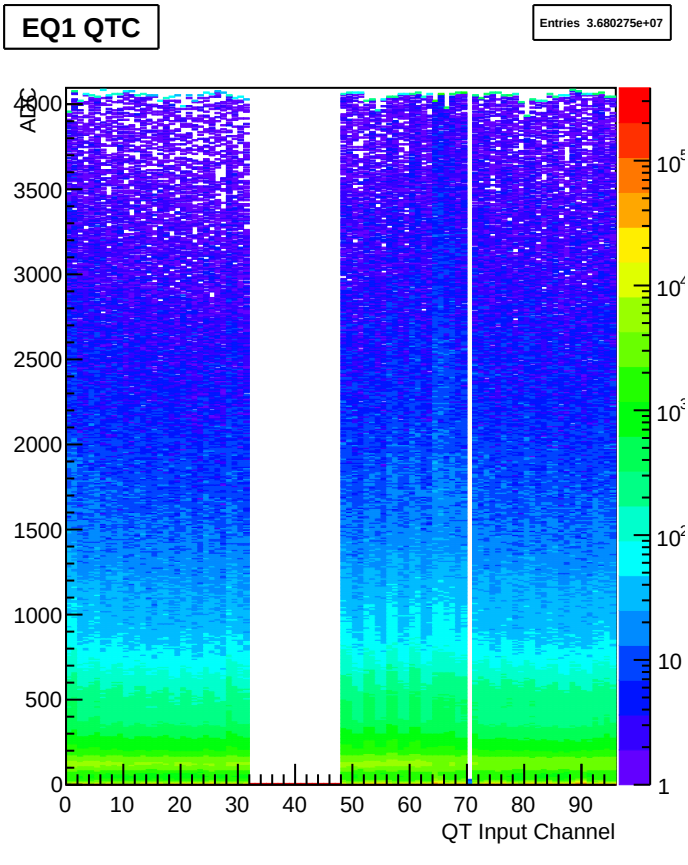

BBQ-VP001 East
Entries 6133792
TADC
QT Input Channel

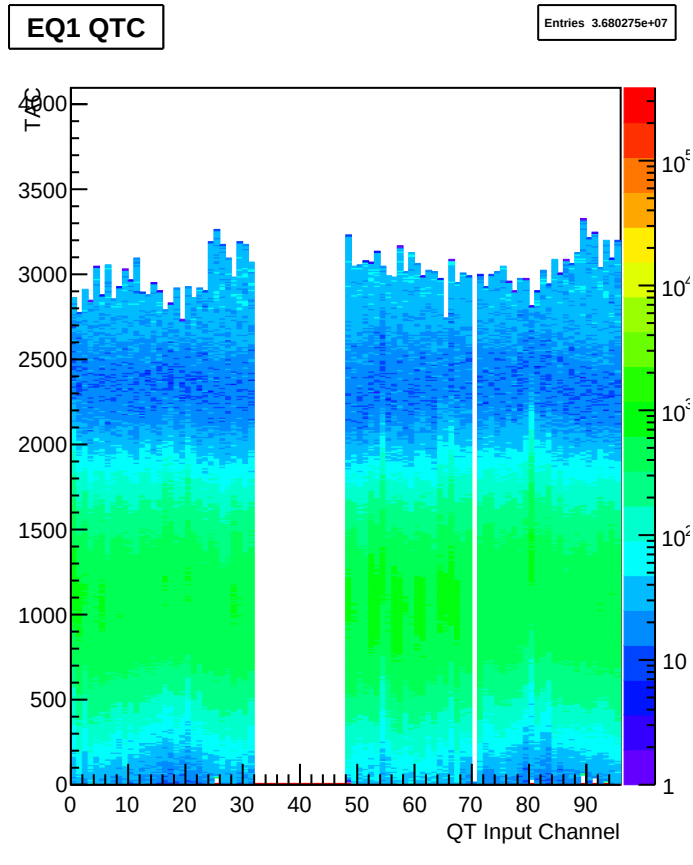

BBQ-VP002 West
Entries 6133792
ADC
QT Input Channel

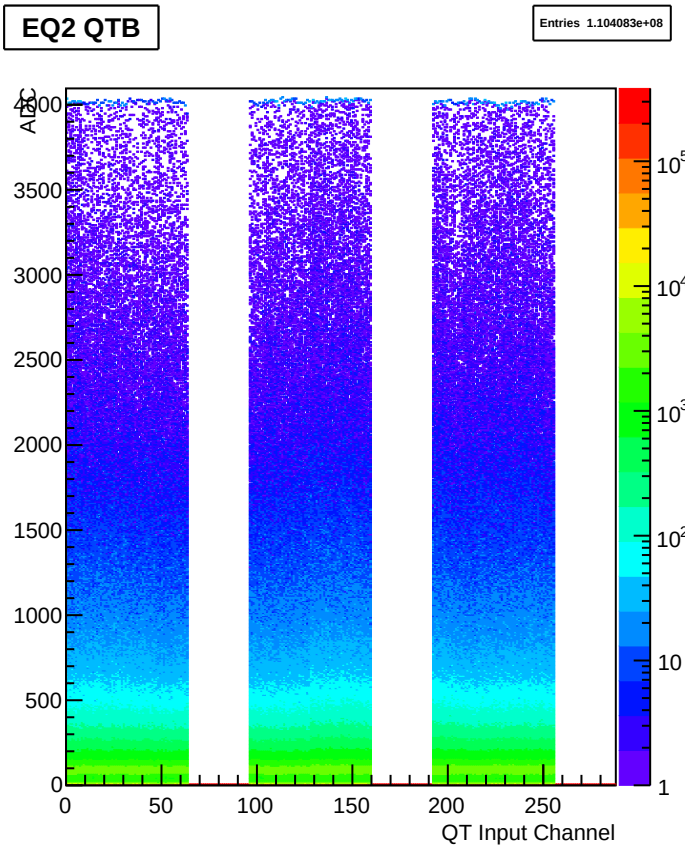

BBQ-VP002 West
Entries 6133792
TADC
QT Input Channel

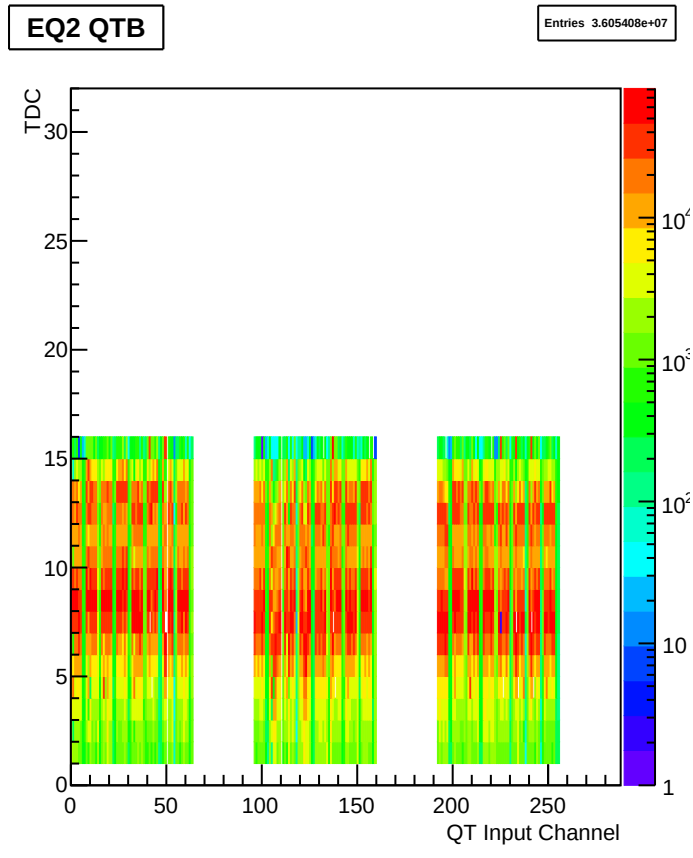

EQ1 QTB
Entries 1.104083e+08
ADC
QT Input Channel

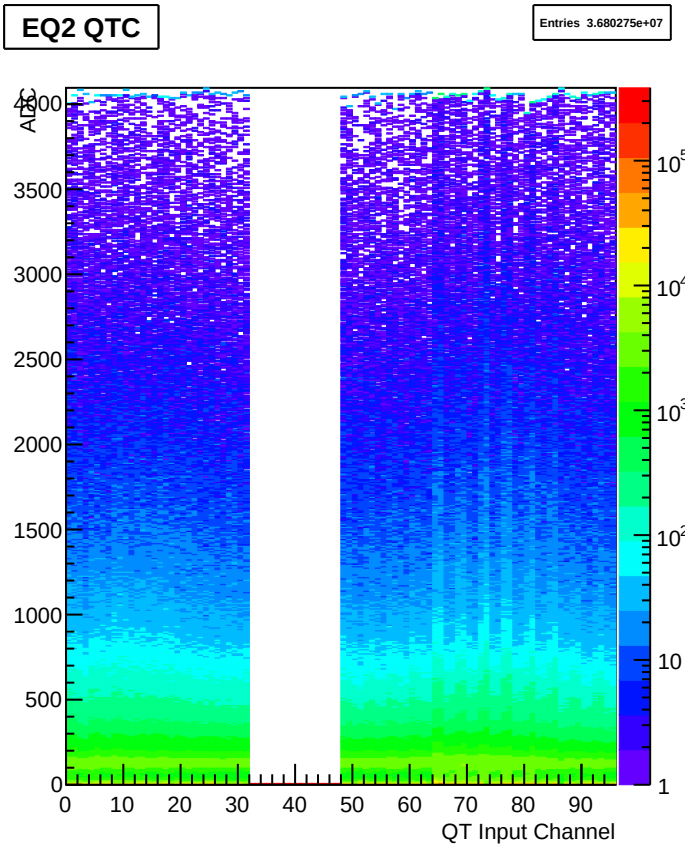

EQ1 QTB
Entries 3.77559e+07
TDC
QT Input Channel

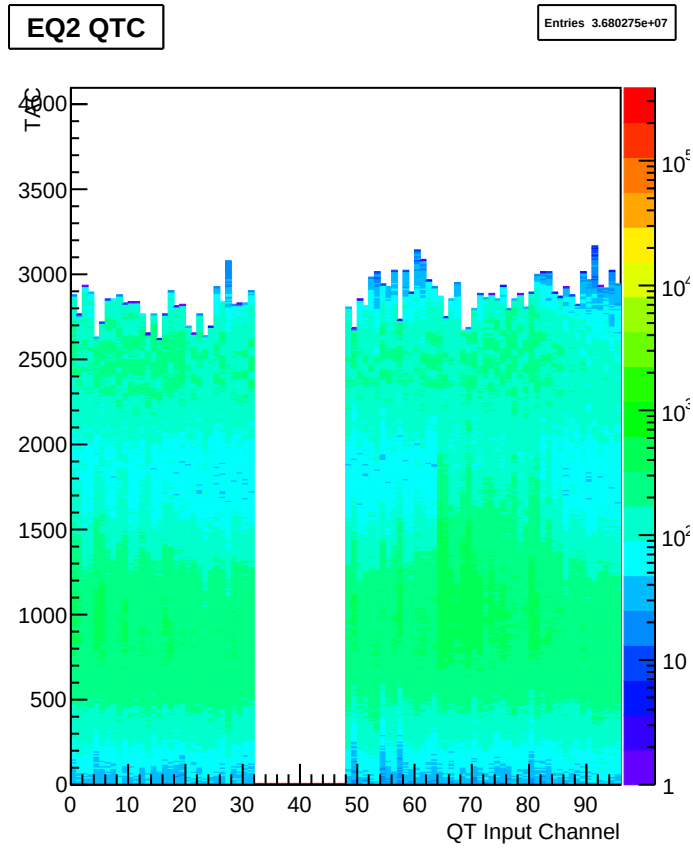

EQ1 QTC
Entries 3.680275e+07
ADC
QT Input Channel

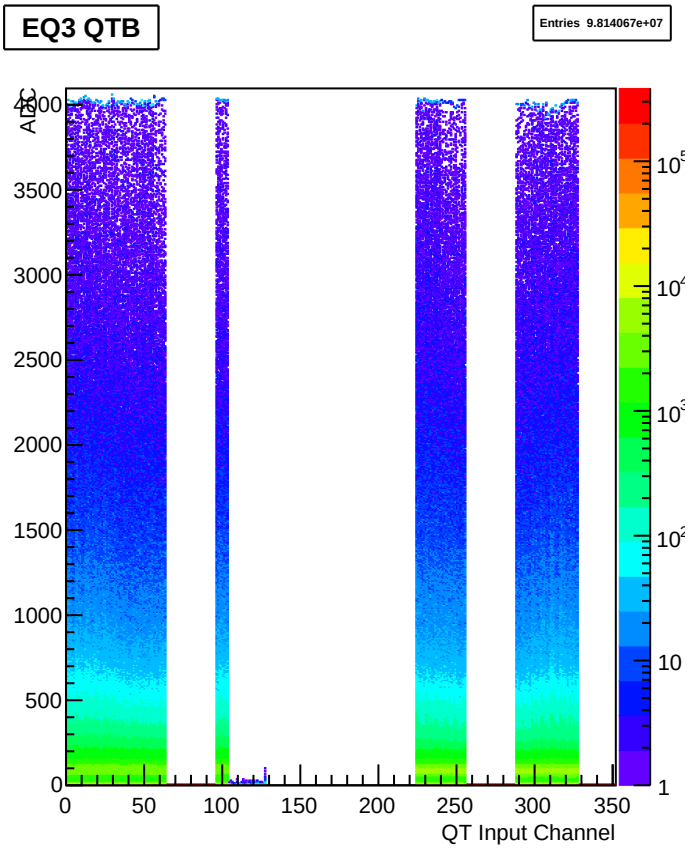

EQ1 QTC
Entries 3.680275e+07
TADC
QT Input Channel

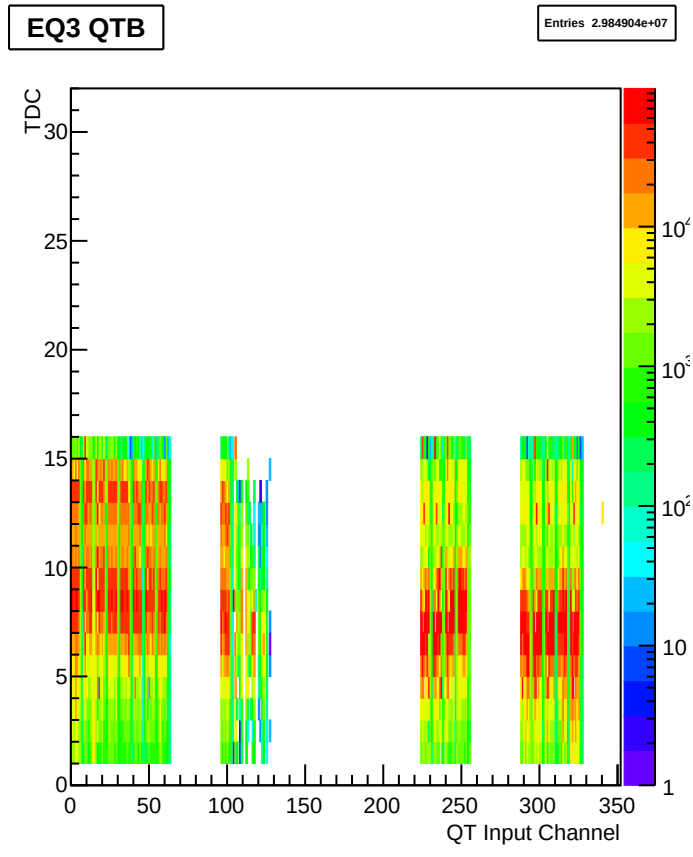

EQ2 QTB
Entries 1.104083e+08
ADC
QT Input Channel

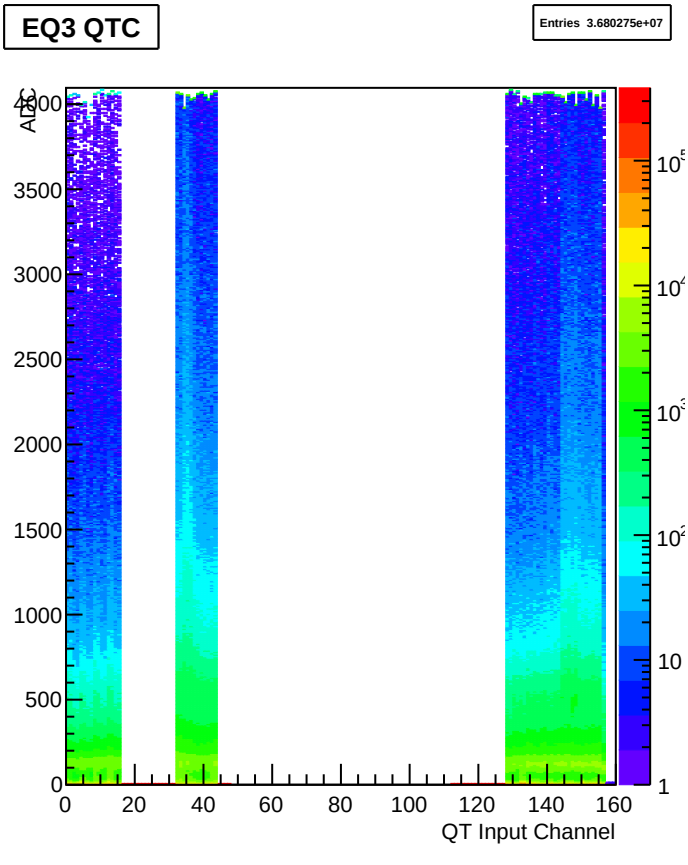

EQ2 QTB
Entries 3.605408e+07
TDC
QT Input Channel

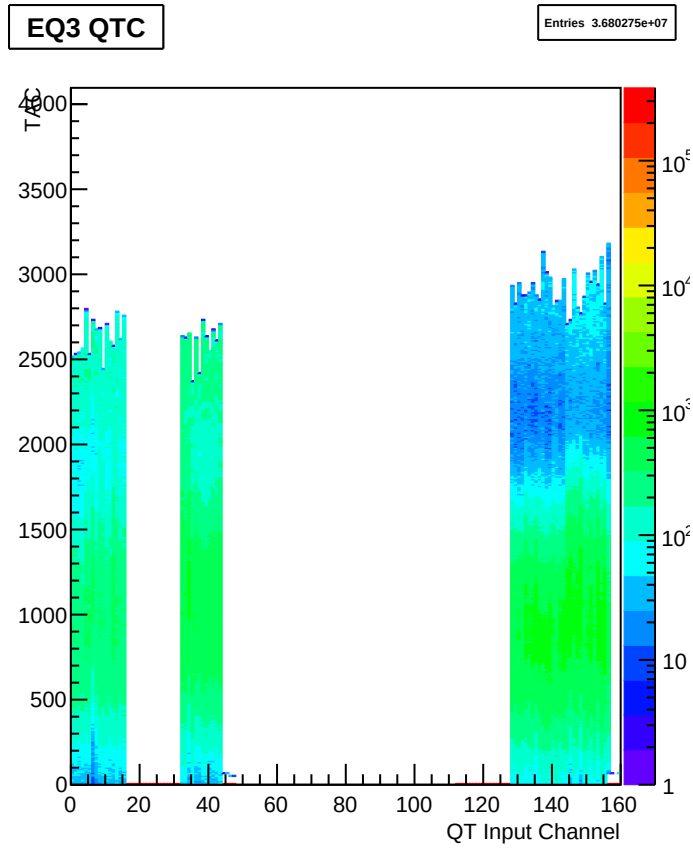

EQ2 QTC
Entries 3.680275e+07
ADC
QT Input Channel

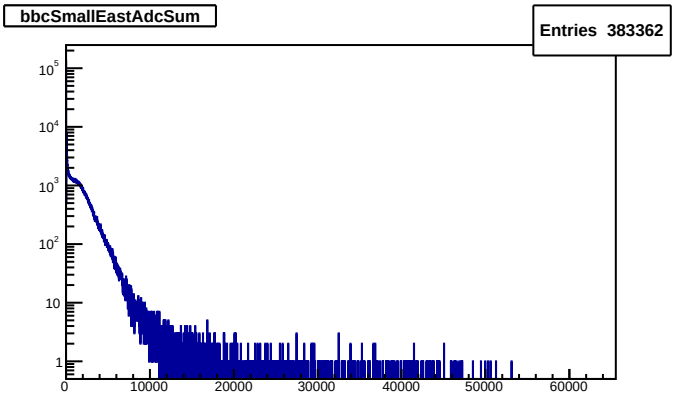

EQ2 QTC
Entries 3.680275e+07
TADC
QT Input Channel

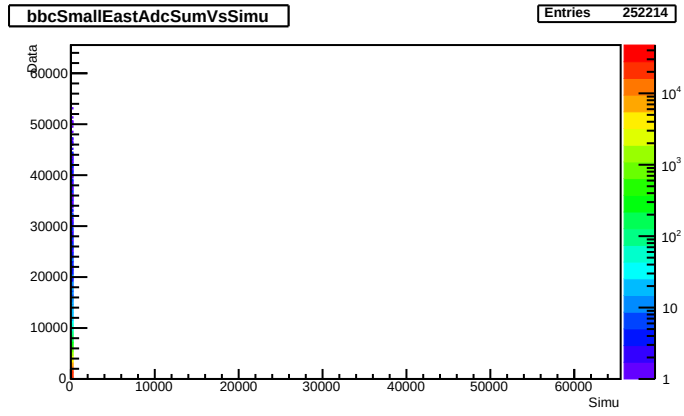

EQ3 QTB
Entries 9.814067e+07
ADC
QT Input Channel

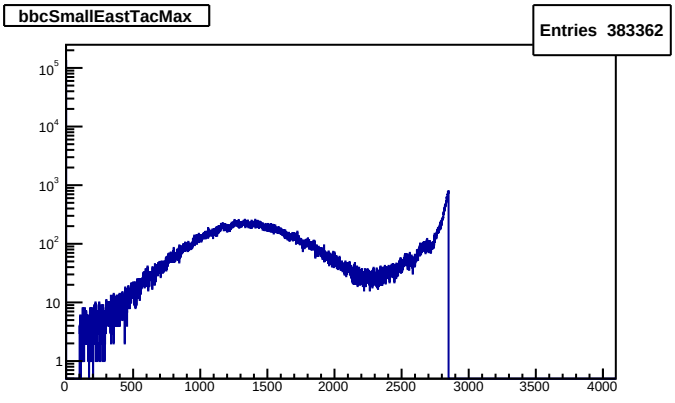

EQ3 QTB
Entries 2.984904e+07
TDC
QT Input Channel

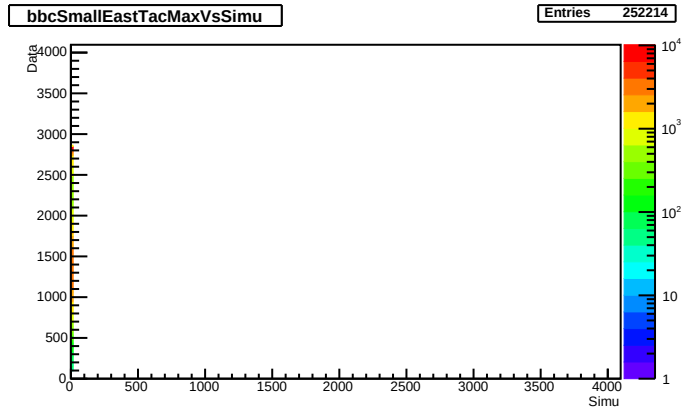

EQ3 QTC
Entries 3.680275e+07
ADC
QT Input Channel

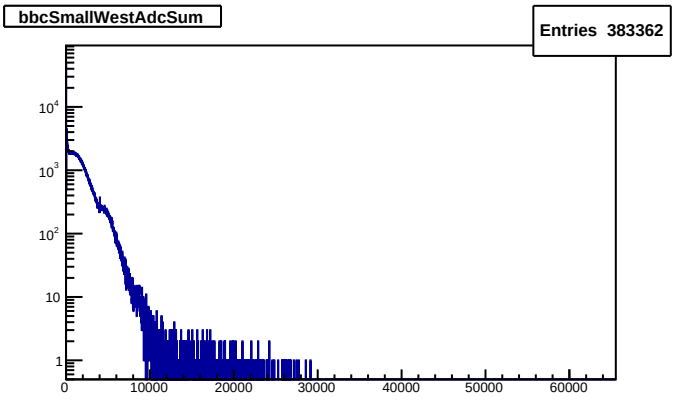

EQ3 QTC
Entries 3.680275e+07
TADC
QT Input Channel

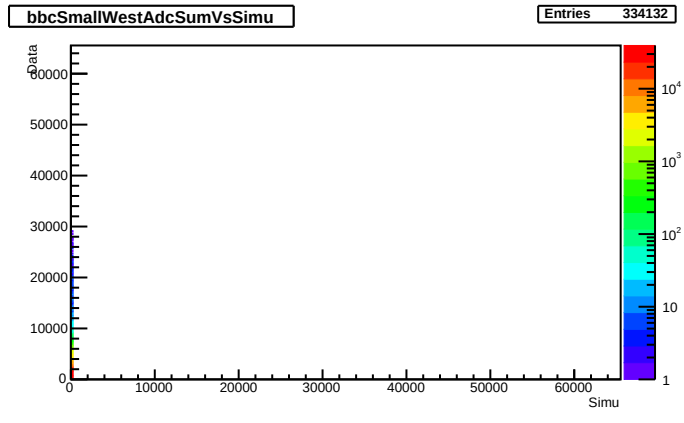

bbcSmallEastAdcSum
Entries 383362

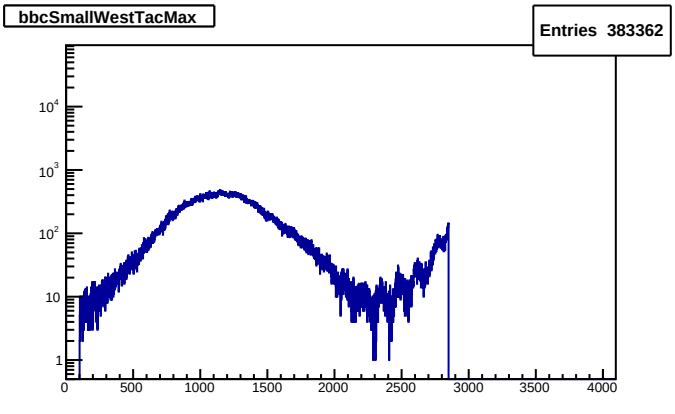

bbcSmallEastAdcSumVsSimu
Entries 252214
Data
Simu

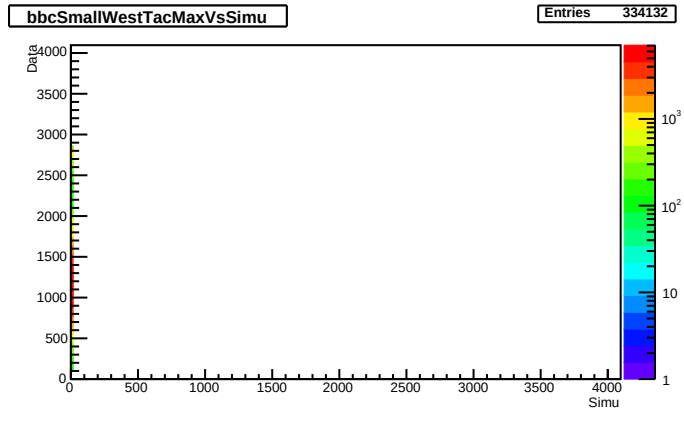

bbcSmallEastTacMax
Entries 383362

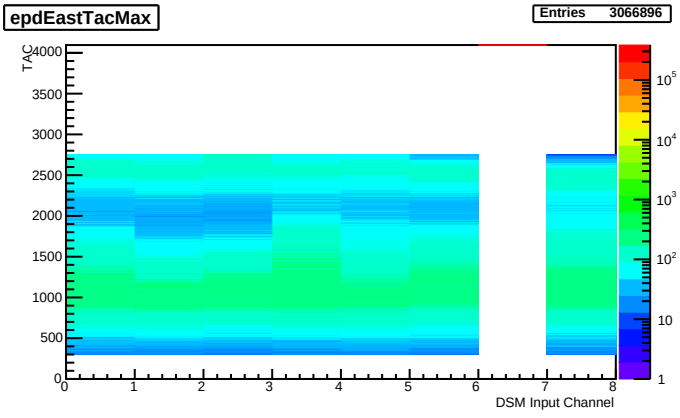

bbcSmallEastTacMaxVsSimu
Entries 252214
Data
Simu

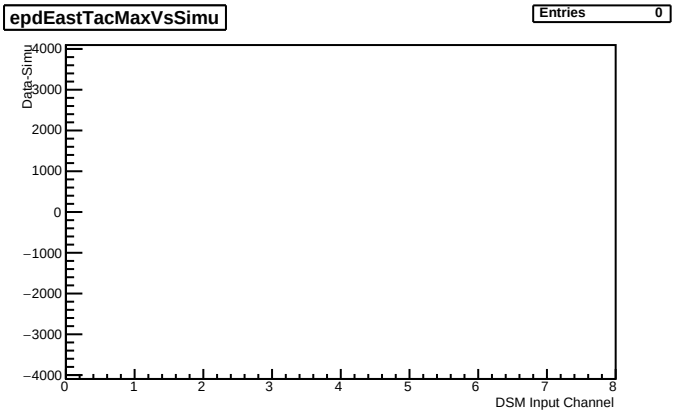

bbcSmallWestAdcSum
Entries 383362

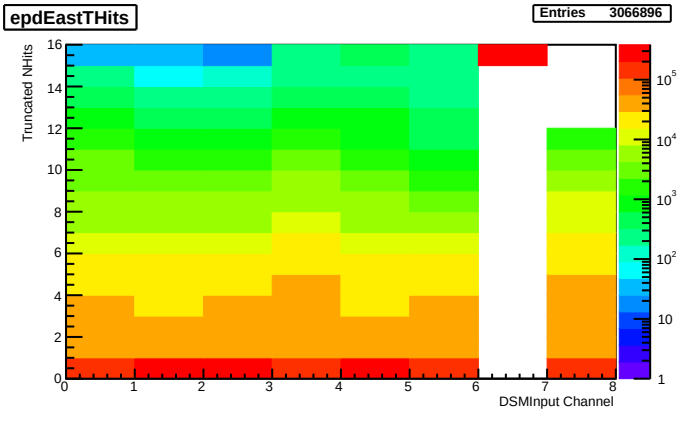

bbcSmallWestAdcSumVsSimu
Entries 334132
Data
Simu

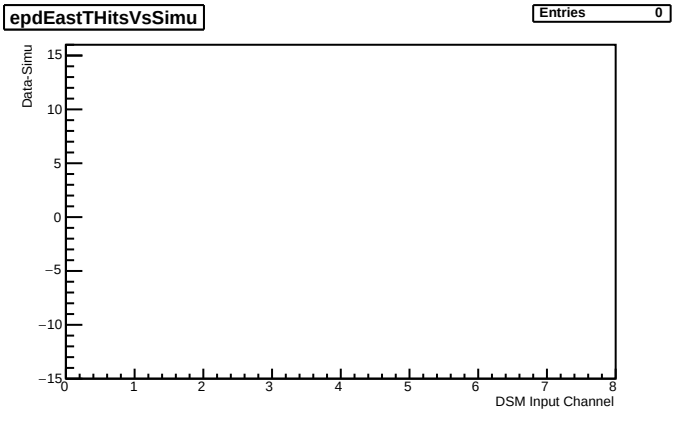

bbcSmallWestTacMax
Entries 383362


bbcSmallWestTacMaxVsSimu
Entries 334132
Data
Simu


epdEastTacMax
Entries 3066896
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3066896
Truncated NHits
DSMInput Channel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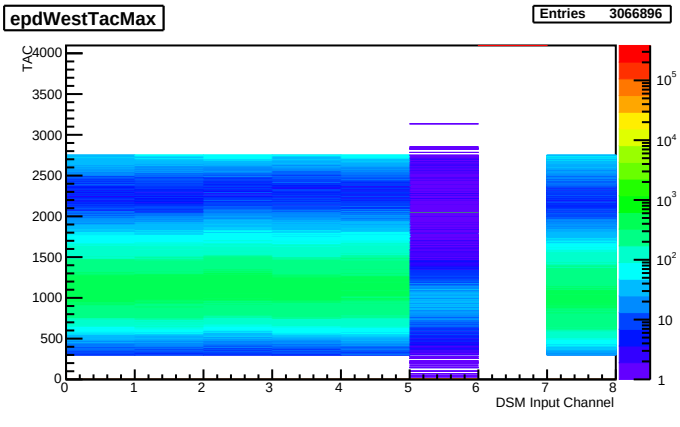
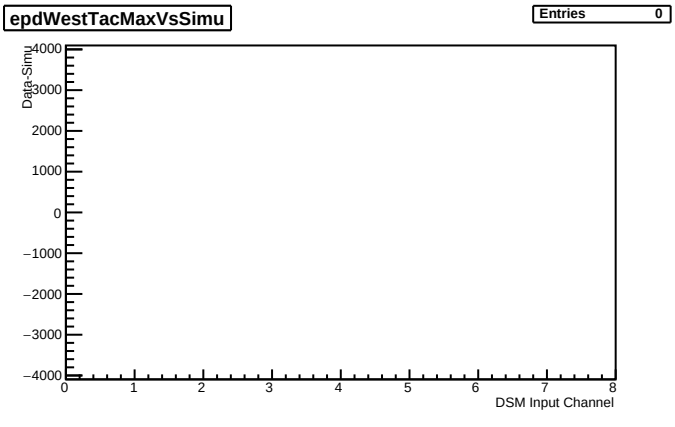
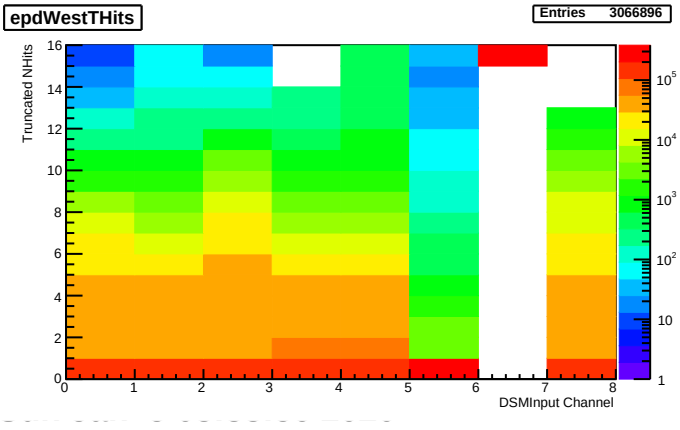
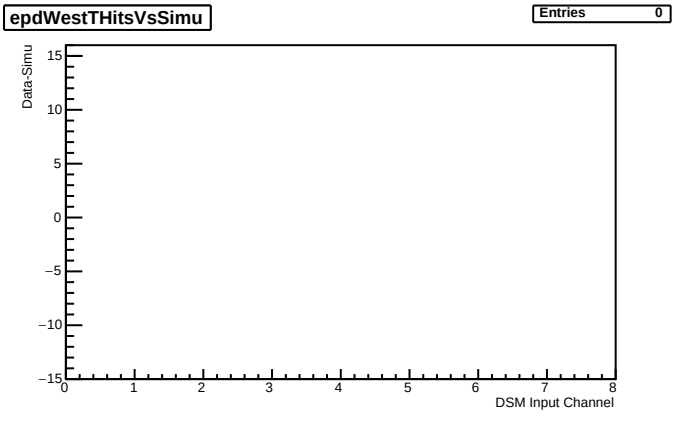
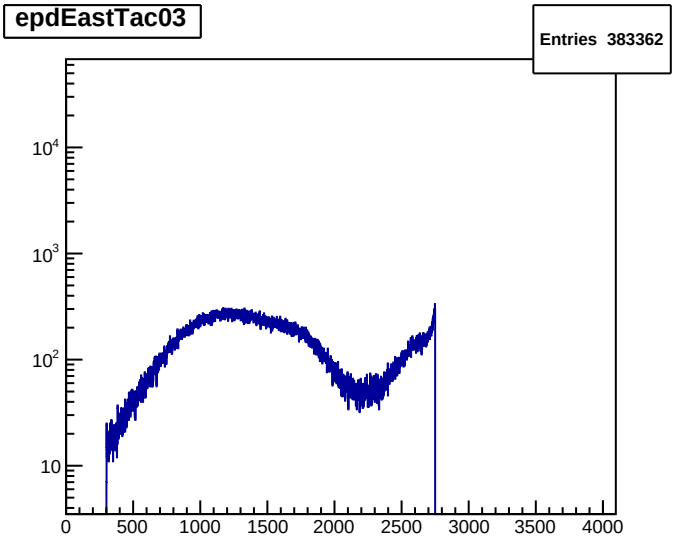
Entries 0
Data-Simu
DSM Input Channel

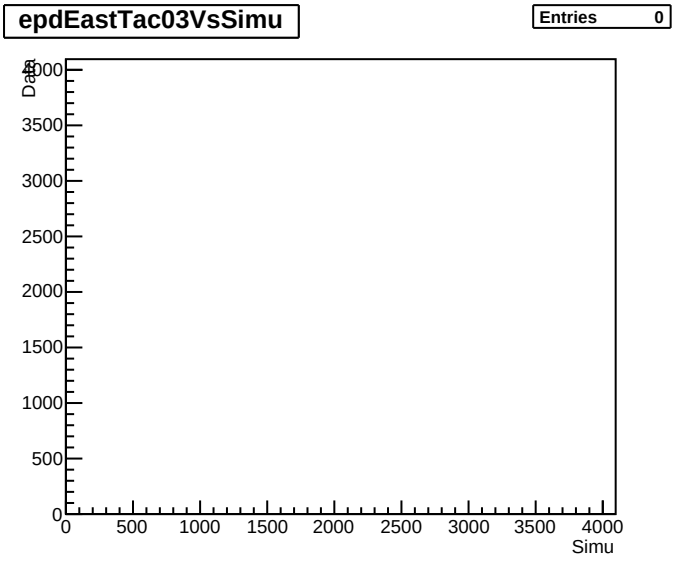

epdWestTacMax
Entries 3066896
TAC
DSM Input Channel

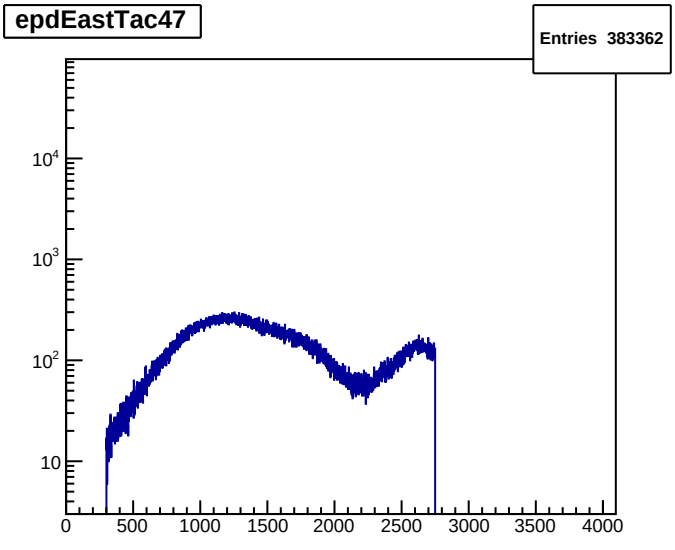

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

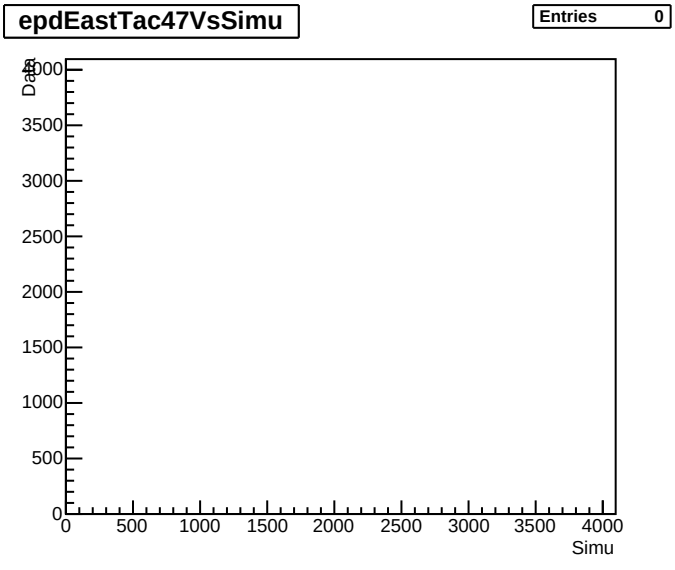

epdWestTHits
Entries 3066896
Truncated NHits
DSMInput Channel

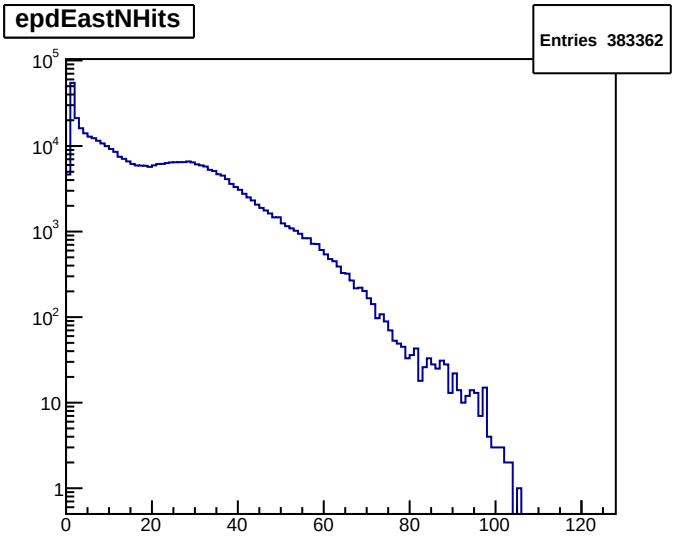

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

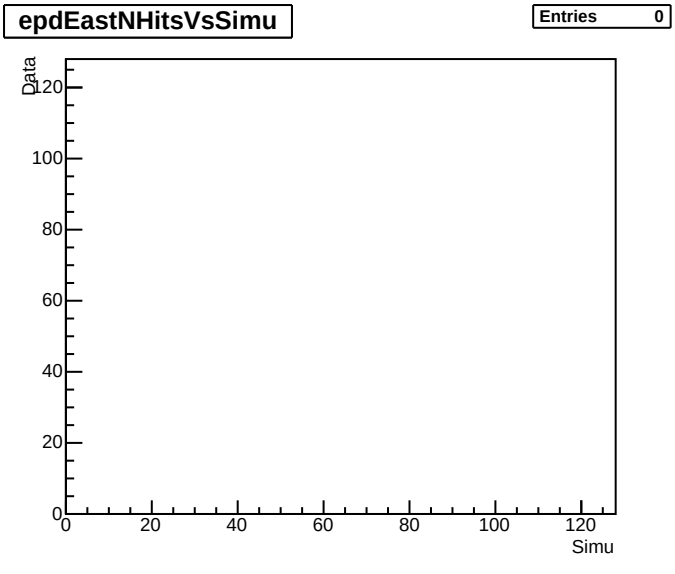

epdEastTac03
Entries 383362
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 383362
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 383362
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
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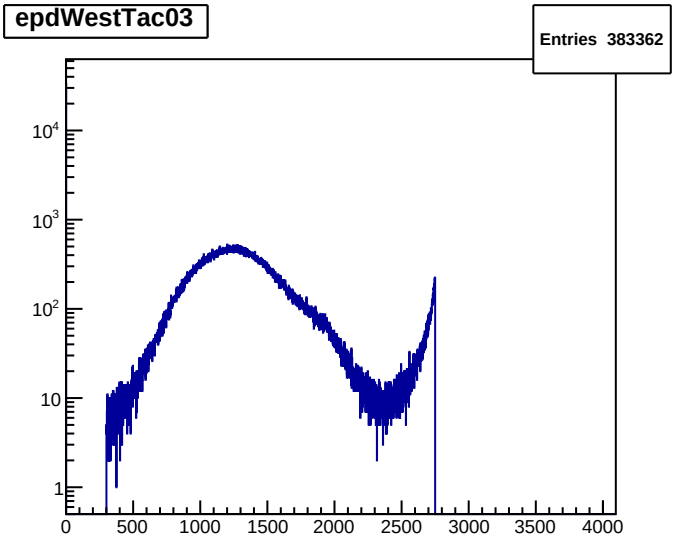
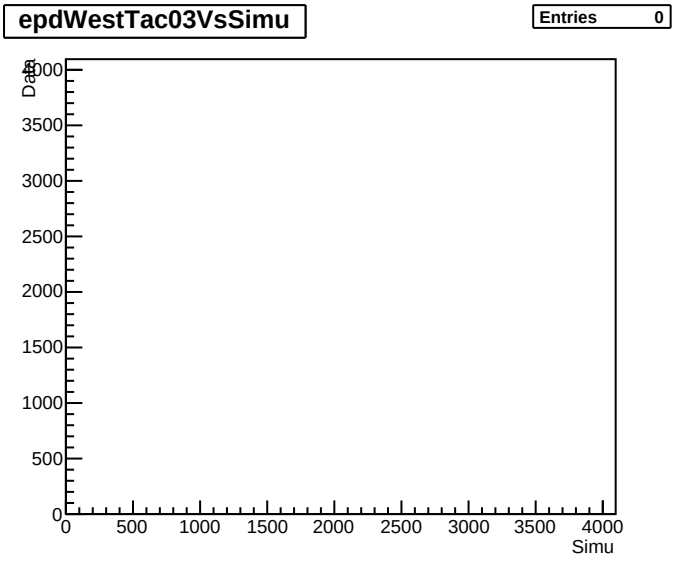
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 383362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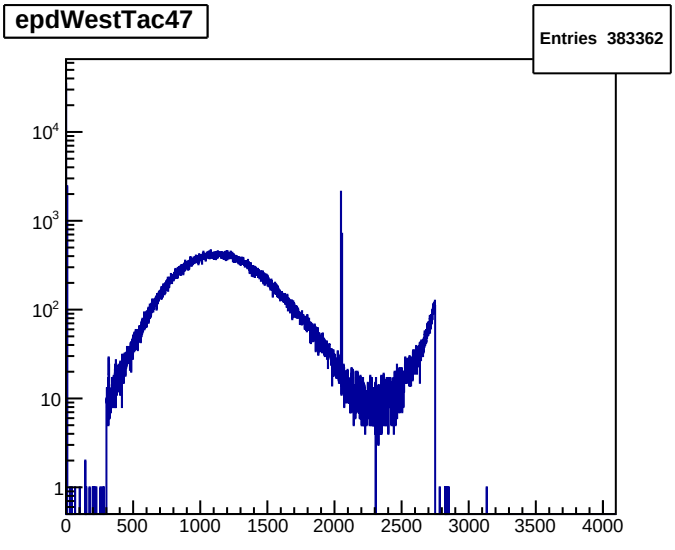
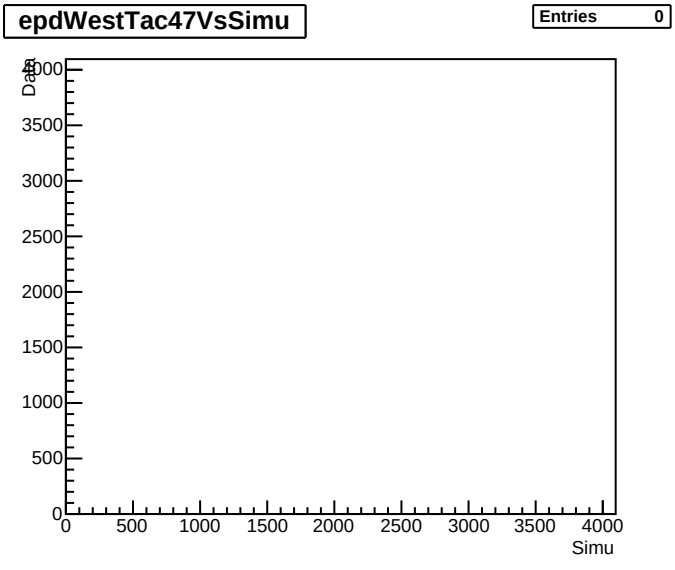
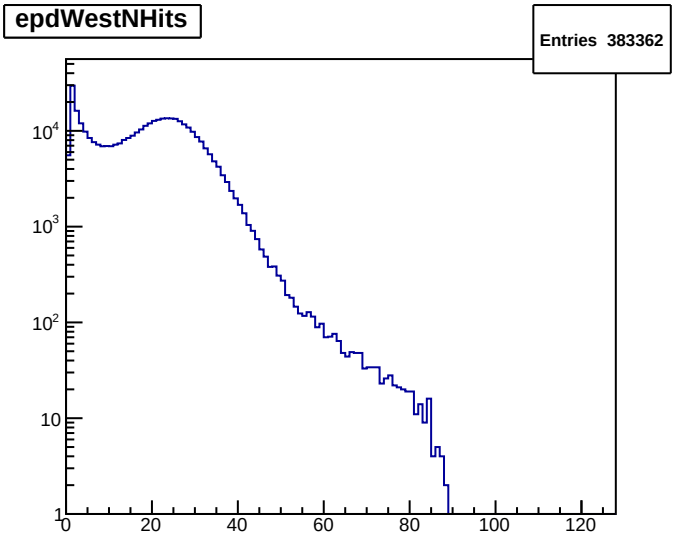
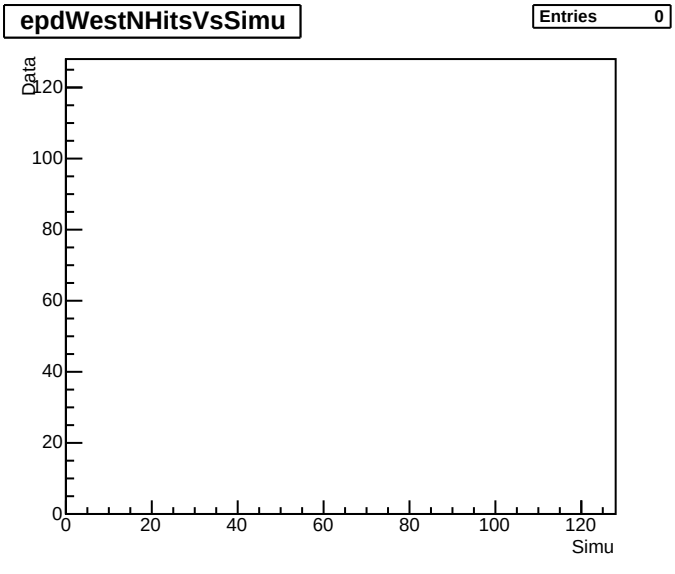
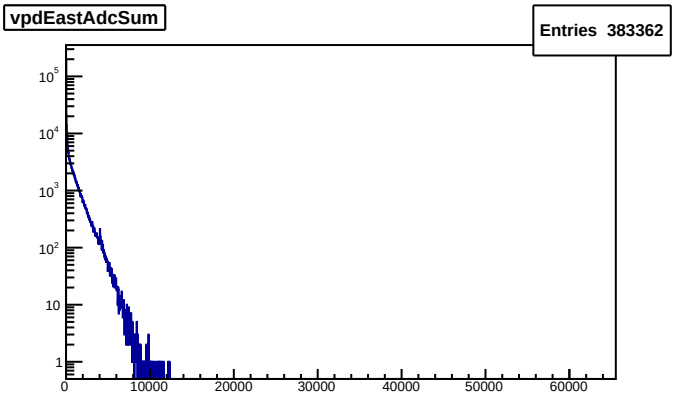
Entries 0
Data
Simu

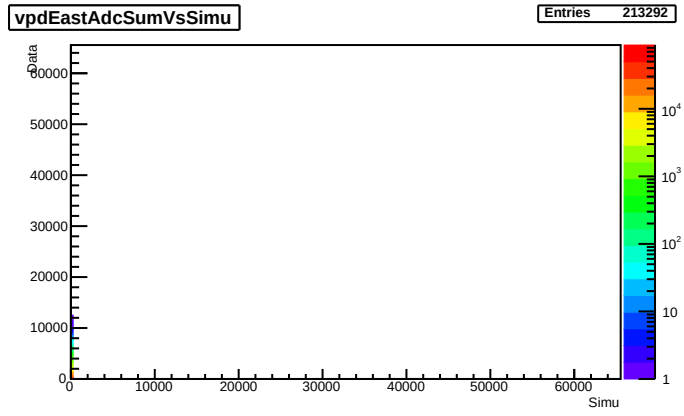

epdWestTac47
Entries 383362

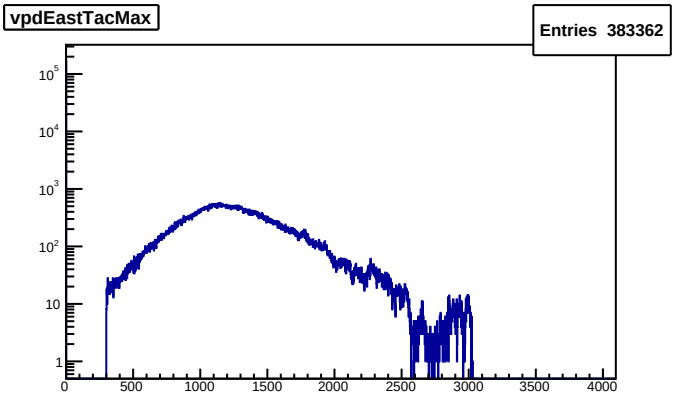

epdWestTac47VsSimu
Entries 0
Data
Simu

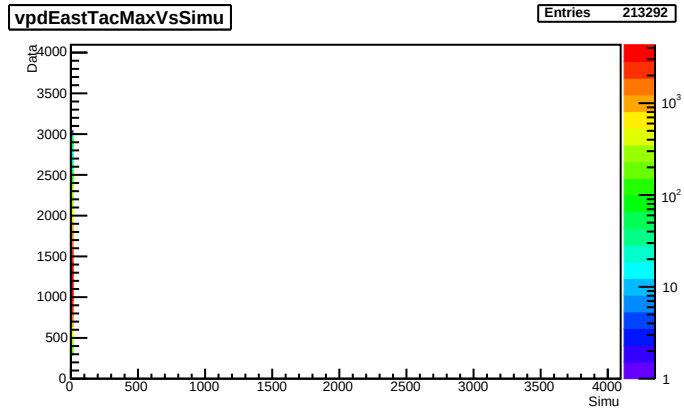

epdWestNHits
Entries 383362

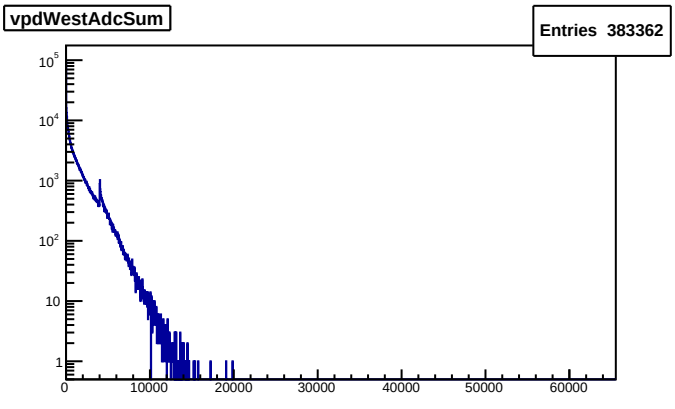

epdWestNHitsVsSimu
Entries 0
Data
Simu

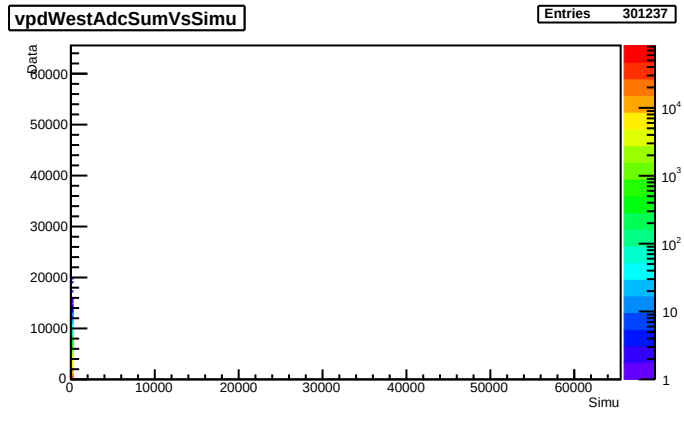

vpdEastAdcSum
Entries 383362

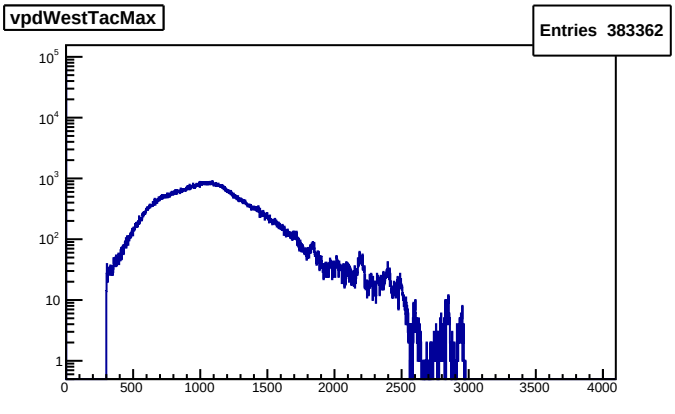

vpdEastAdcSumVsSimu
Entries 213292
Data
Simu

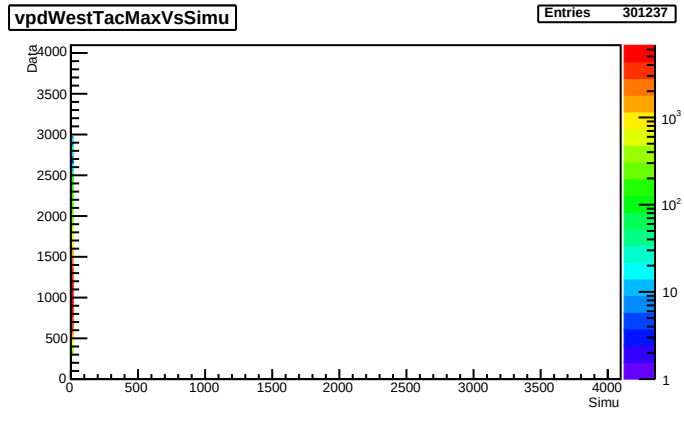

vpdEastTacMax
Entries 383362

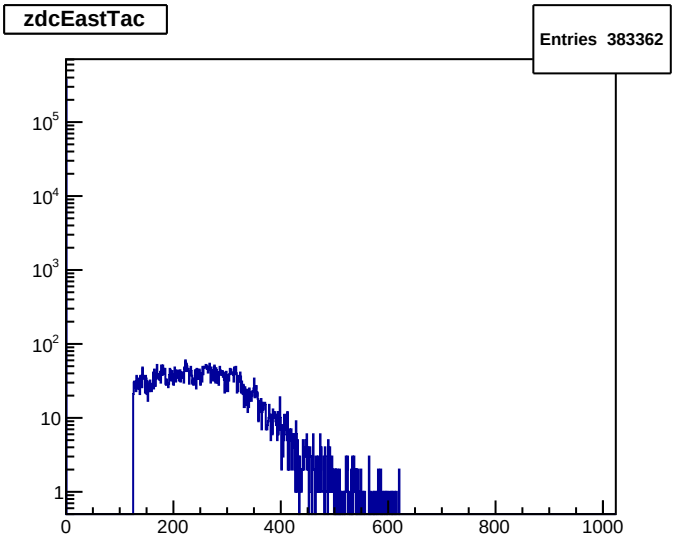

vpdEastTacMaxVsSimu
Entries 213292
Data
Simu

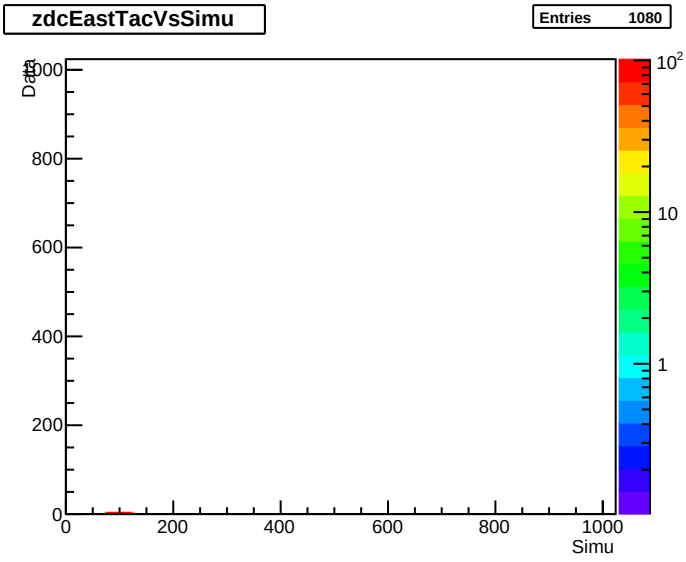

vpdWestAdcSum
Entries 383362

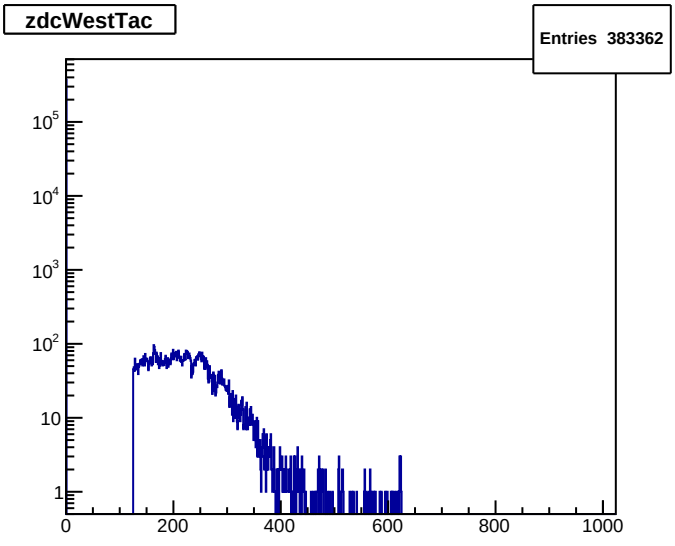

vpdWestAdcSumVsSimu
Entries 301237
Data
Simu

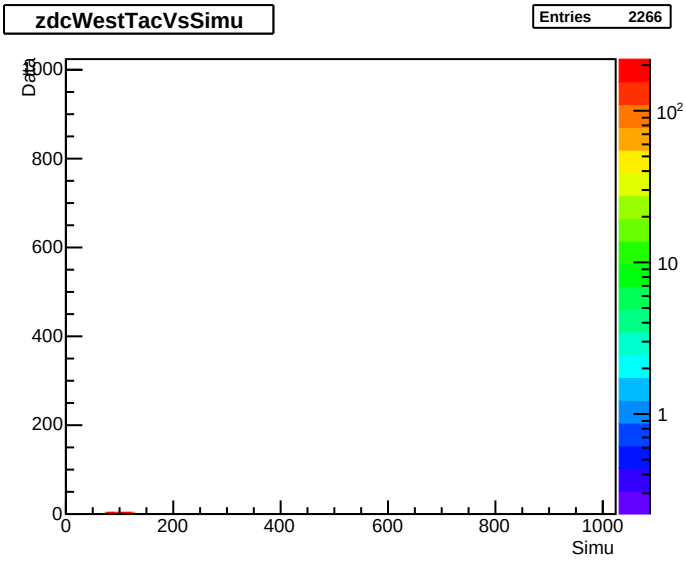

vpdWestTacMax
Entries 383362

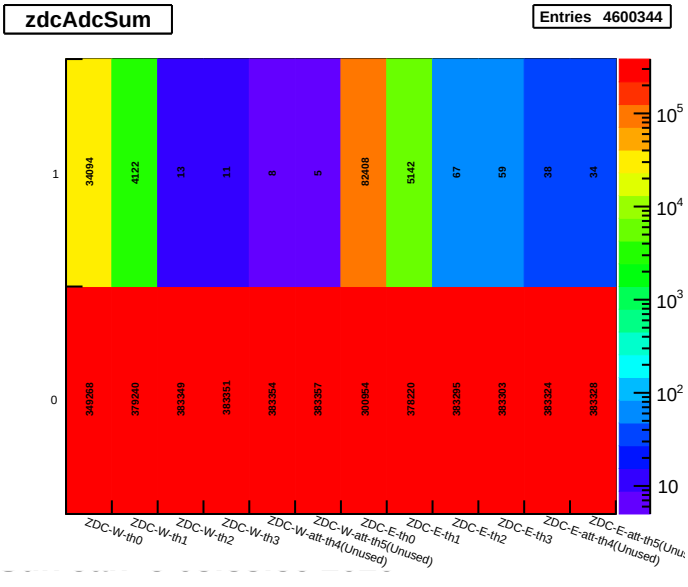

vpdWestTacMaxVsSimu
Entries 301237
Data
Simu

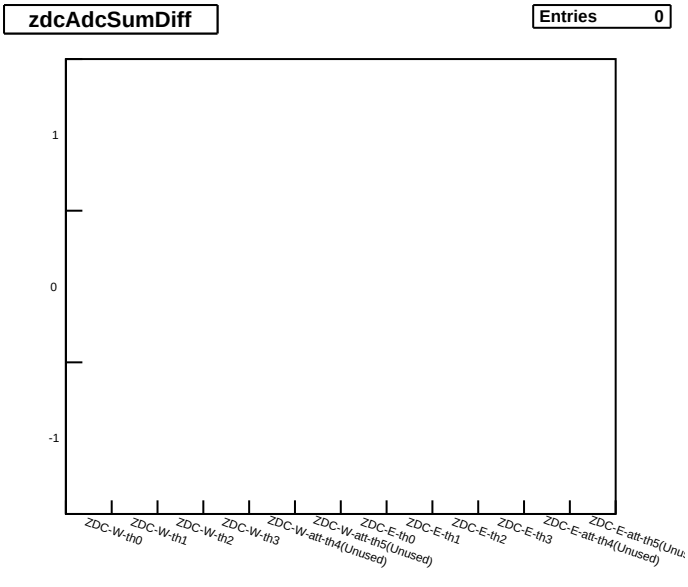

zdcEastTac
Entries 383362

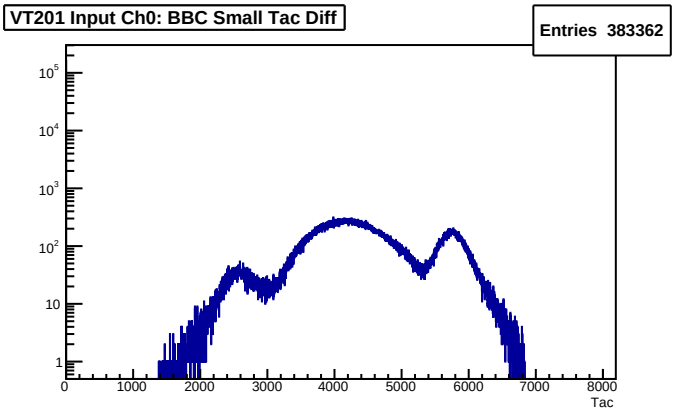

zdcEastTacVsSimu
Entries 1080
Data
Simu

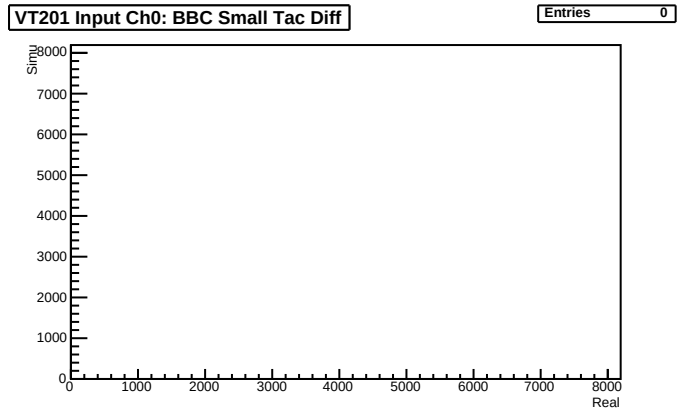

zdcWestTac
Entries 383362

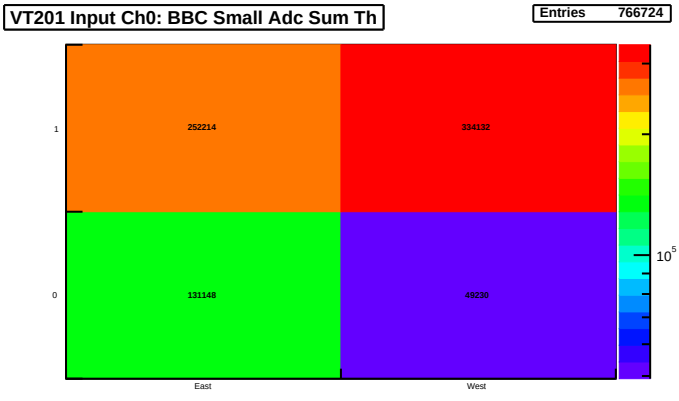

zdcWestTacVsSimu
Entries 2266
Data
Simu

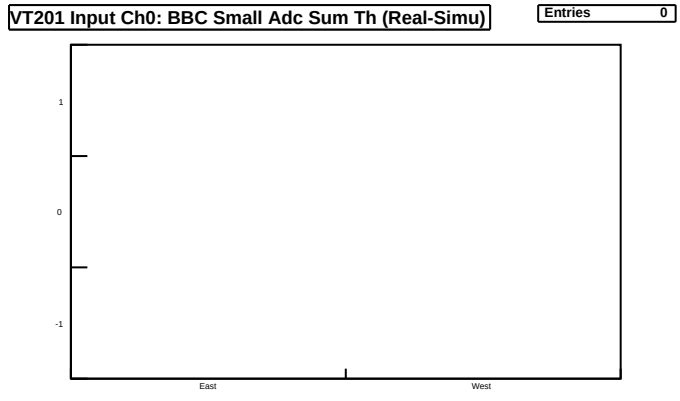

zdcAdcSum
Entries 4600344
34094
4122
13
11
8
5
82408
5142
67
59
38
34
349268
379240
383349
383351
383354
383357
300954
378220
383295
383303
383324
383328
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

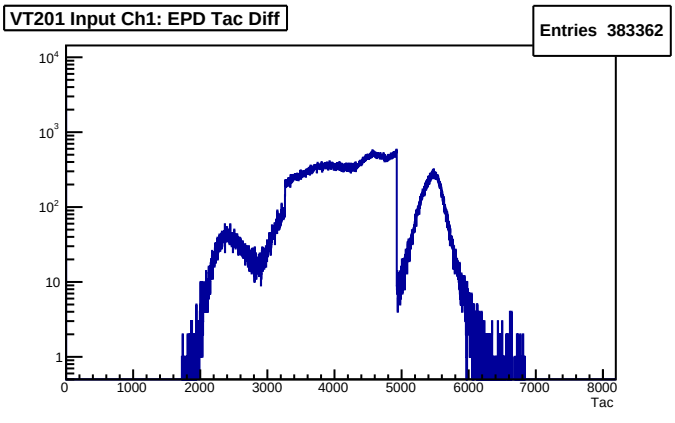

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

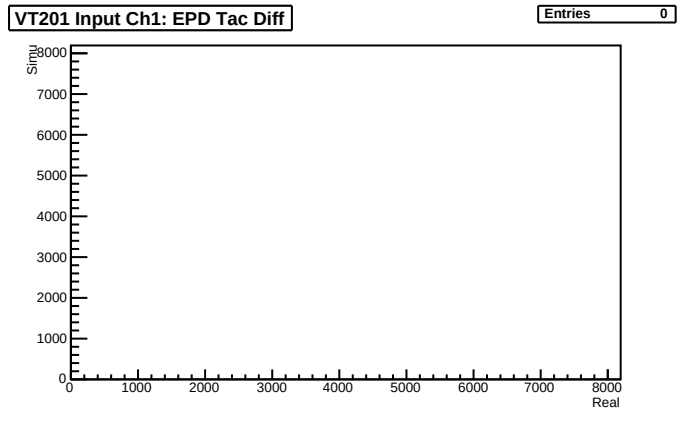

VT201 Input Ch0: BBC Small Tac Diff
Entries 383362
Tac

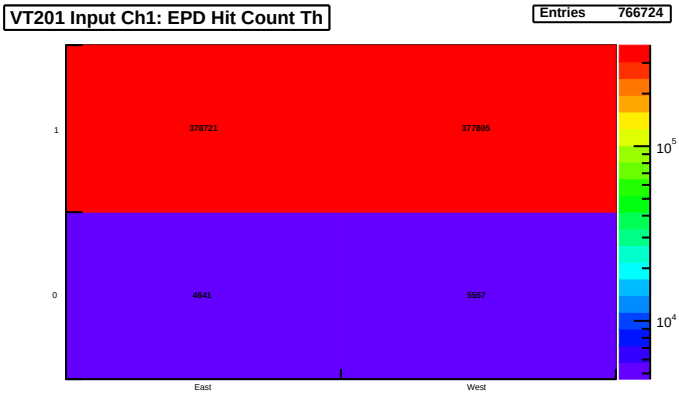

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

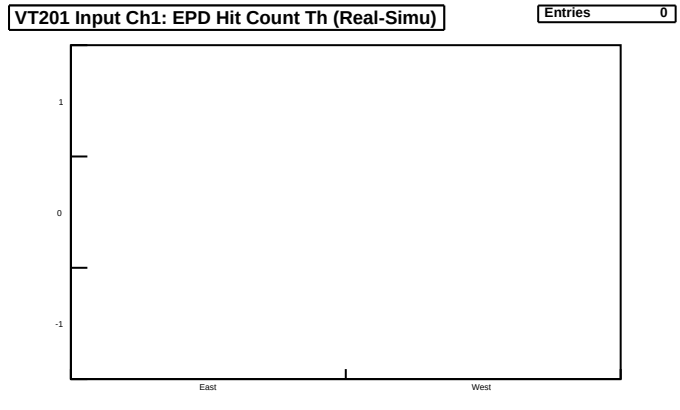

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 766724
252214
334132
131148
49230
East
West

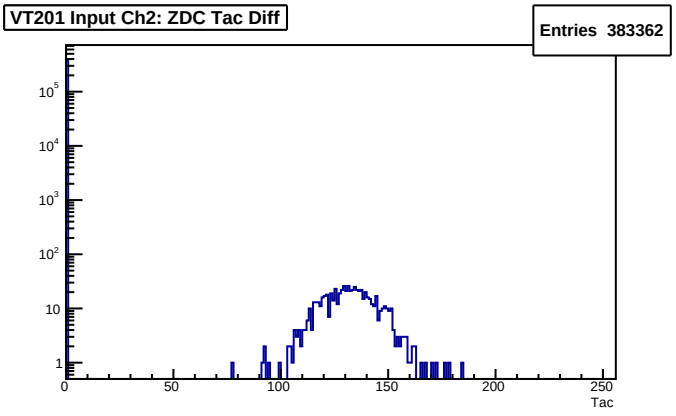

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

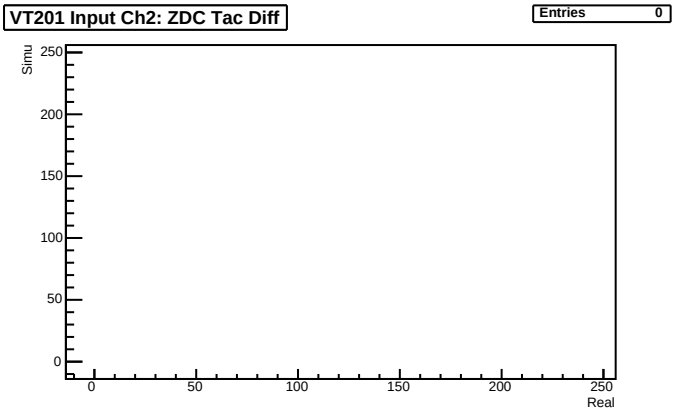

VT201 Input Ch1: EPD Tac Diff
Entries 383362
Tac

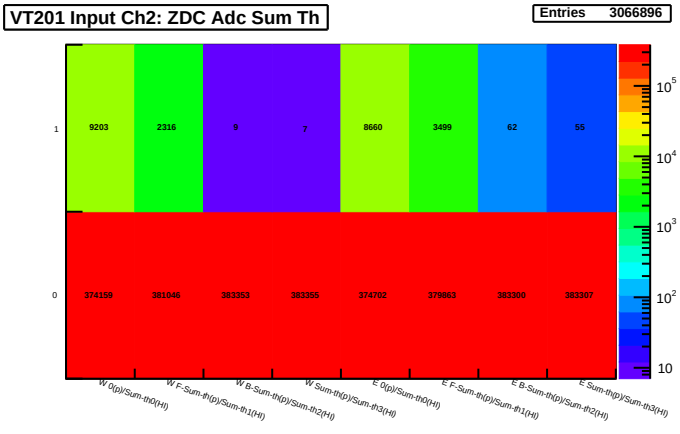

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

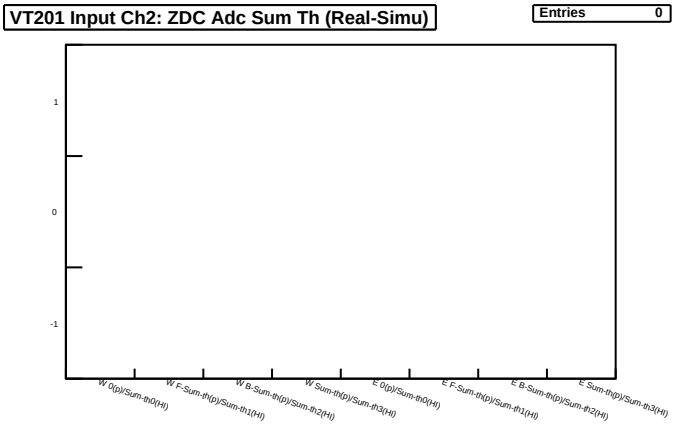

VT201 Input Ch1: EPD Hit Count Th
Entries 766724
378721
377805
4641
5557
East
West

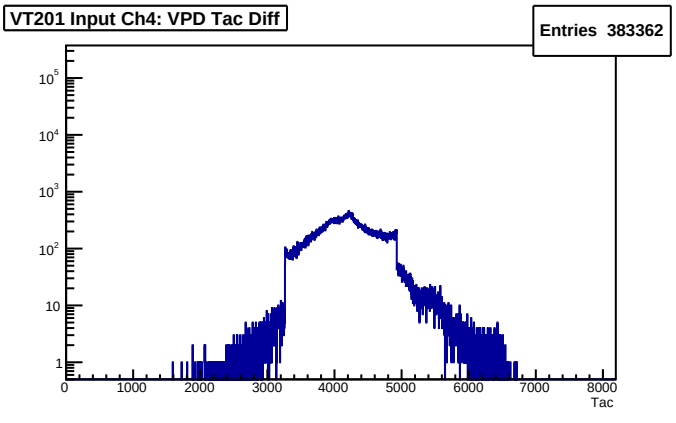

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

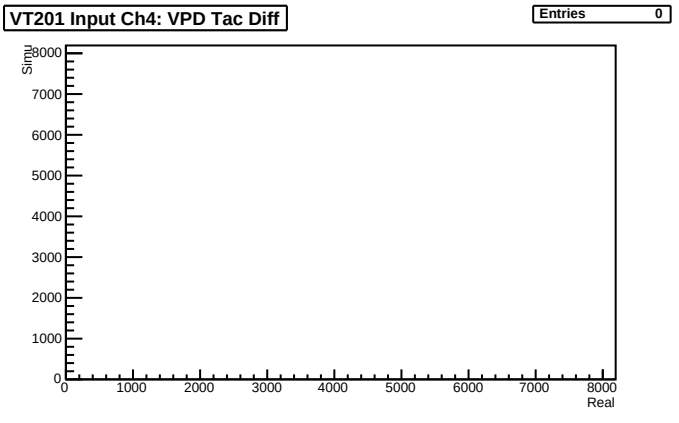

VT201 Input Ch2: ZDC Tac Diff
Entries 383362
Tac

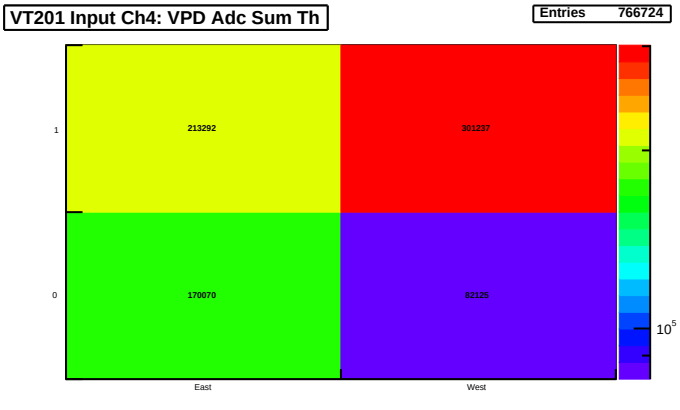

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

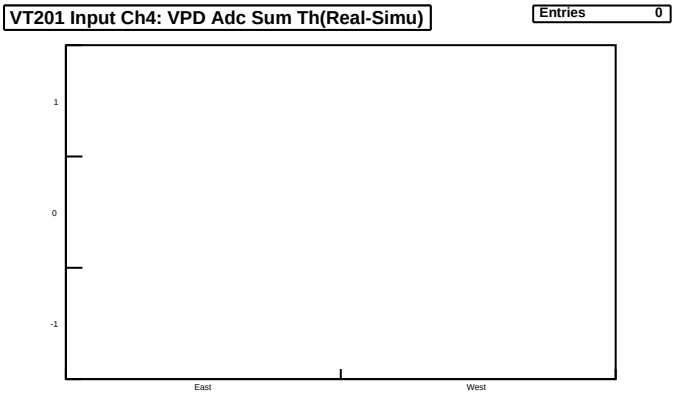

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3066896
9203
2316
9
7
8660
3499
62
55
374159
381046
383353
383355
374702
379863
383300
383307
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

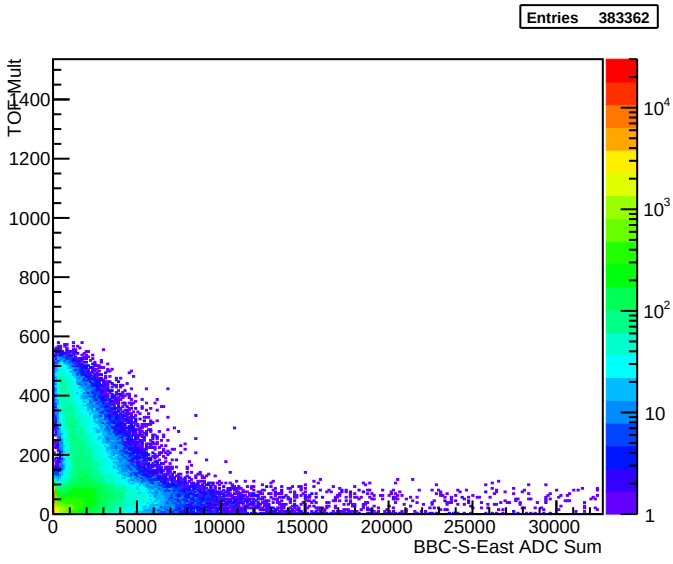

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

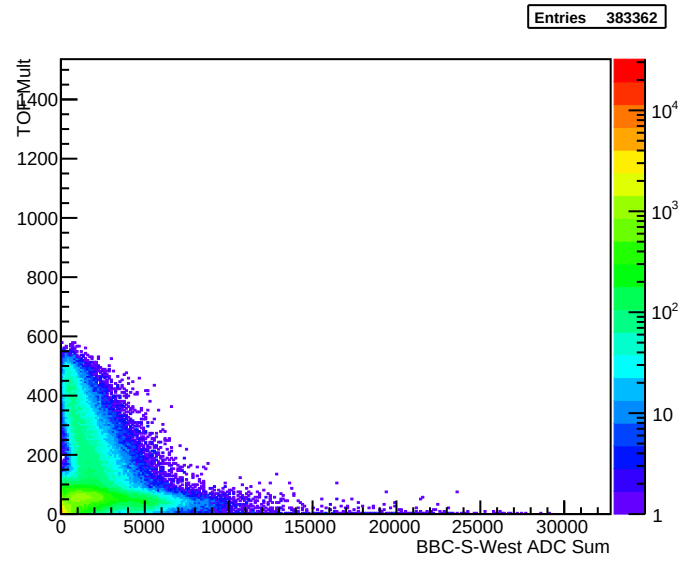

VT201 Input Ch4: VPD Tac Diff
Entries 383362
Tac

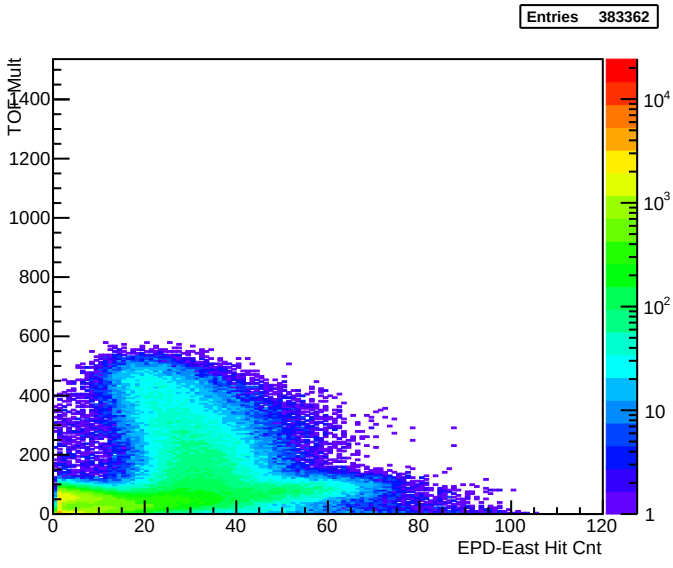

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

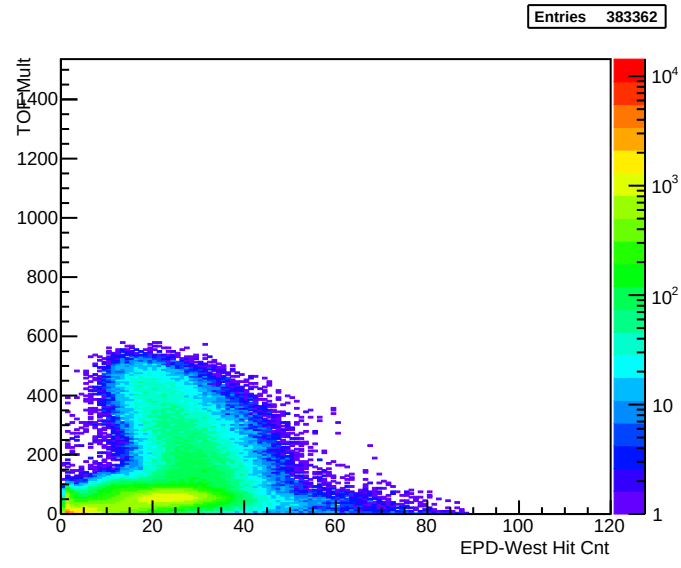

VT201 Input Ch4: VPD Adc Sum Th
Entries 766724
213292
301237
170070
82125
East
West

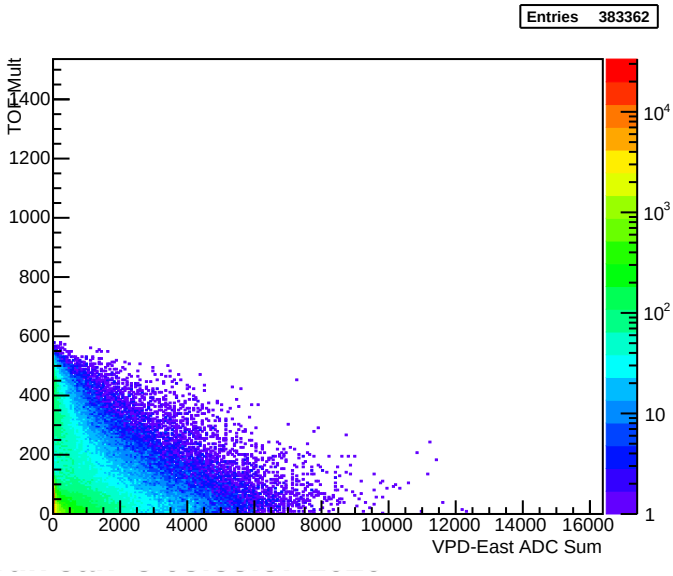

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

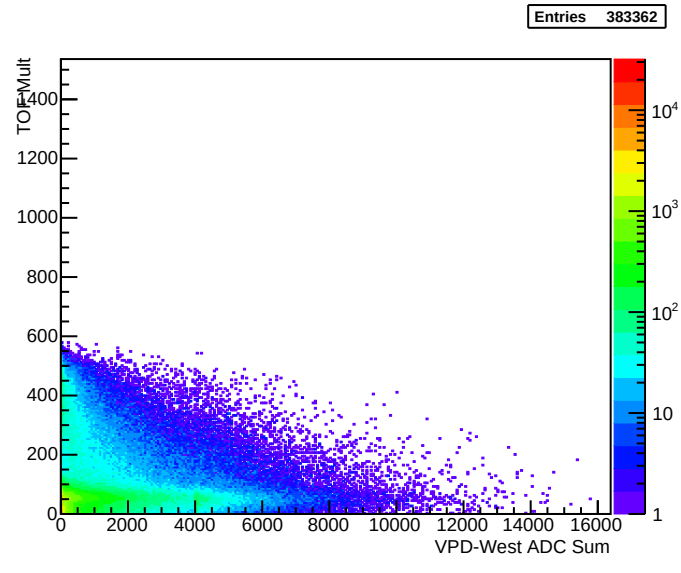

Entries 383362
TOF-Mult
BBC-S-East ADC Sum

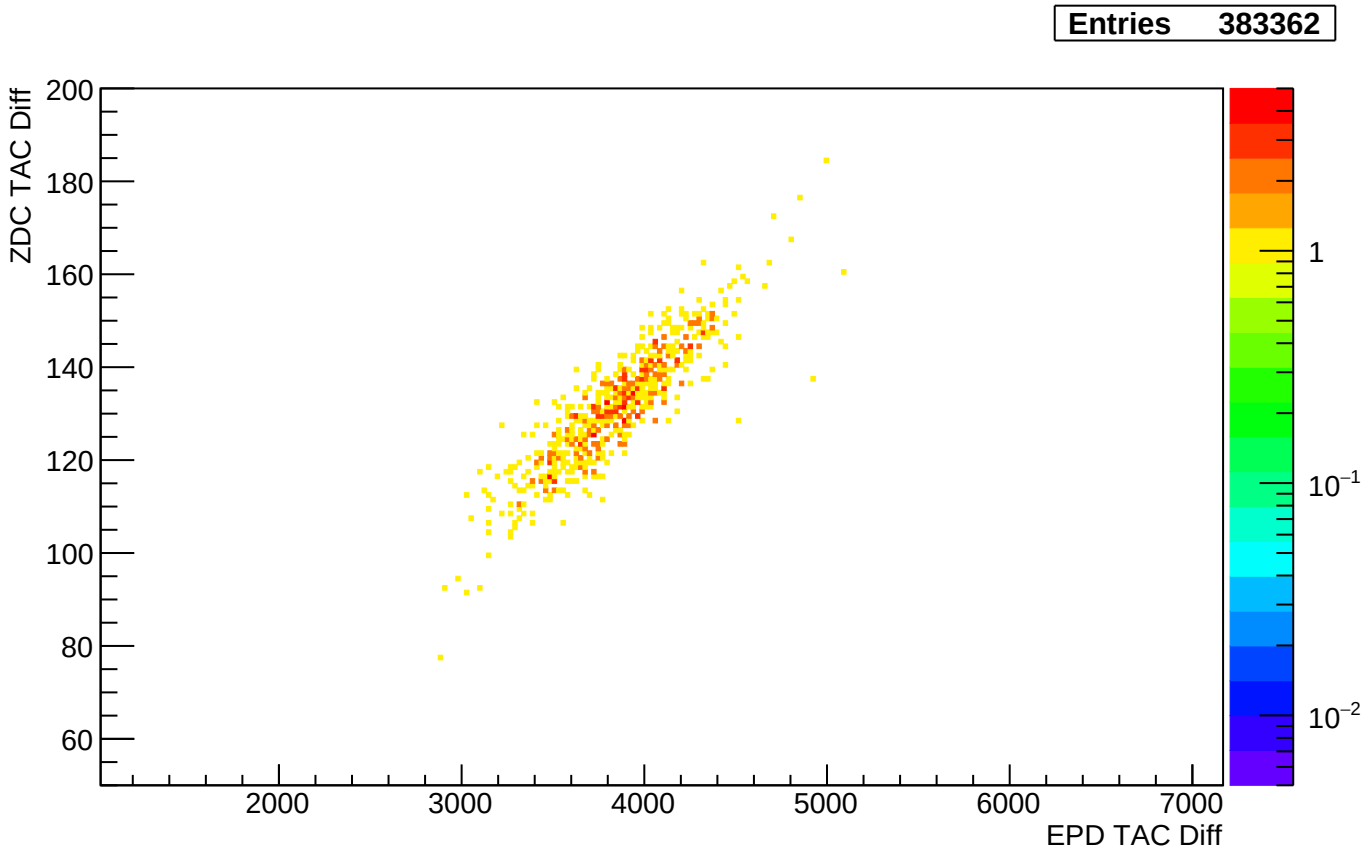

Entries 383362
TOF-Mult
BBC-S-West ADC Sum

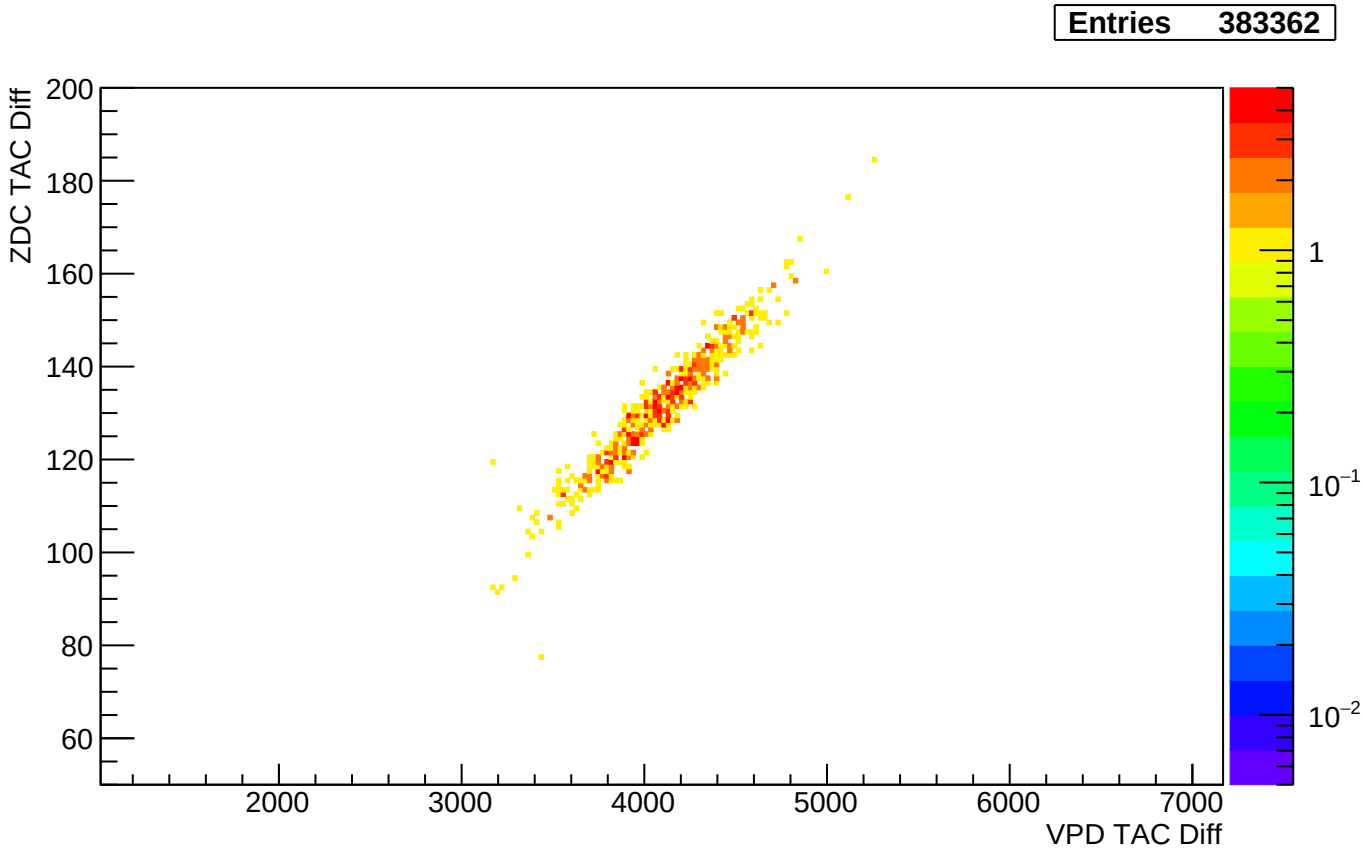

Entries 383362
TOF-Mult
EPD-East Hit Cnt

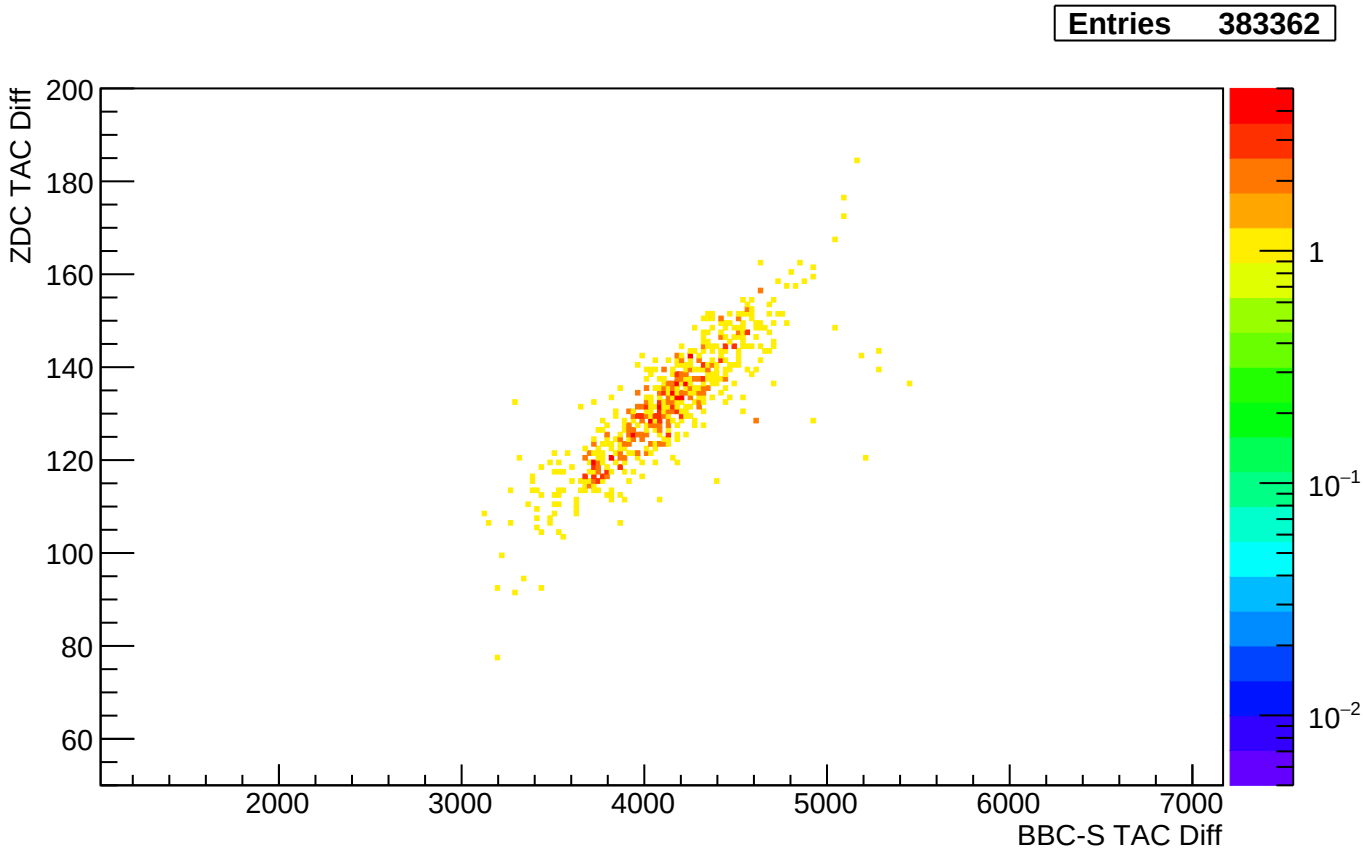

Entries 383362
TOF-Mult
EPD-West Hit Cnt

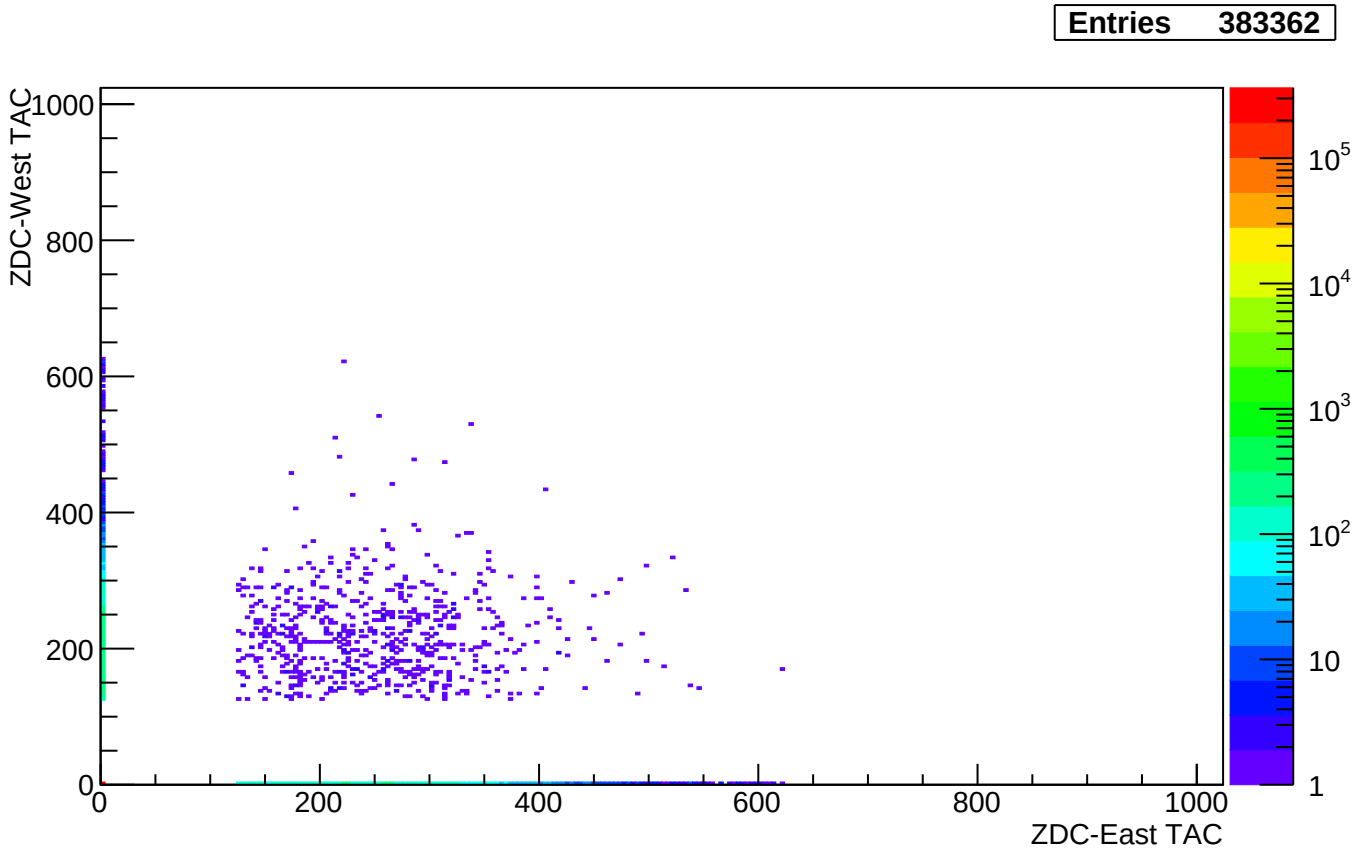

Entries 383362
TOF-Mult
VPD-East ADC Sum

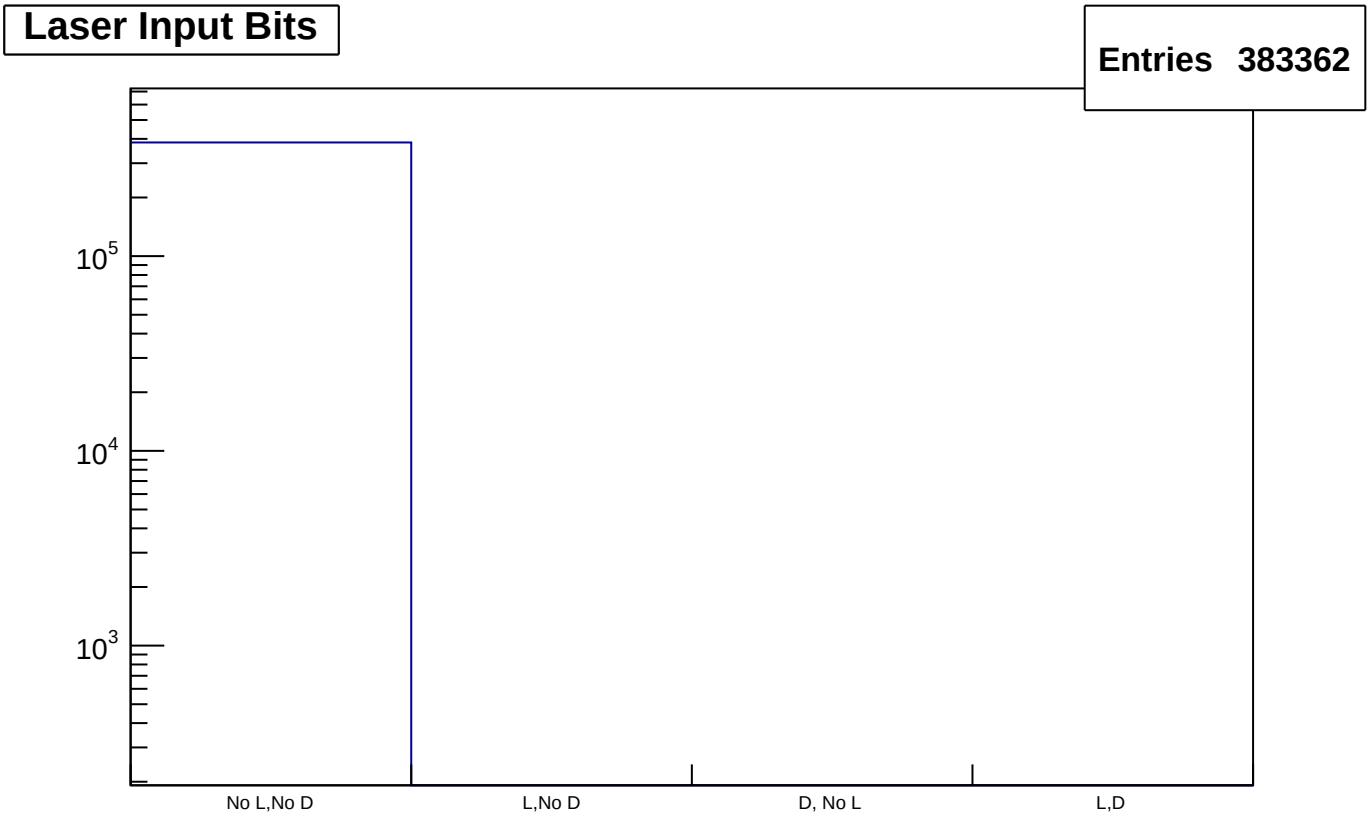

Entries 383362
TOF-Mult
VPD-West ADC Sum

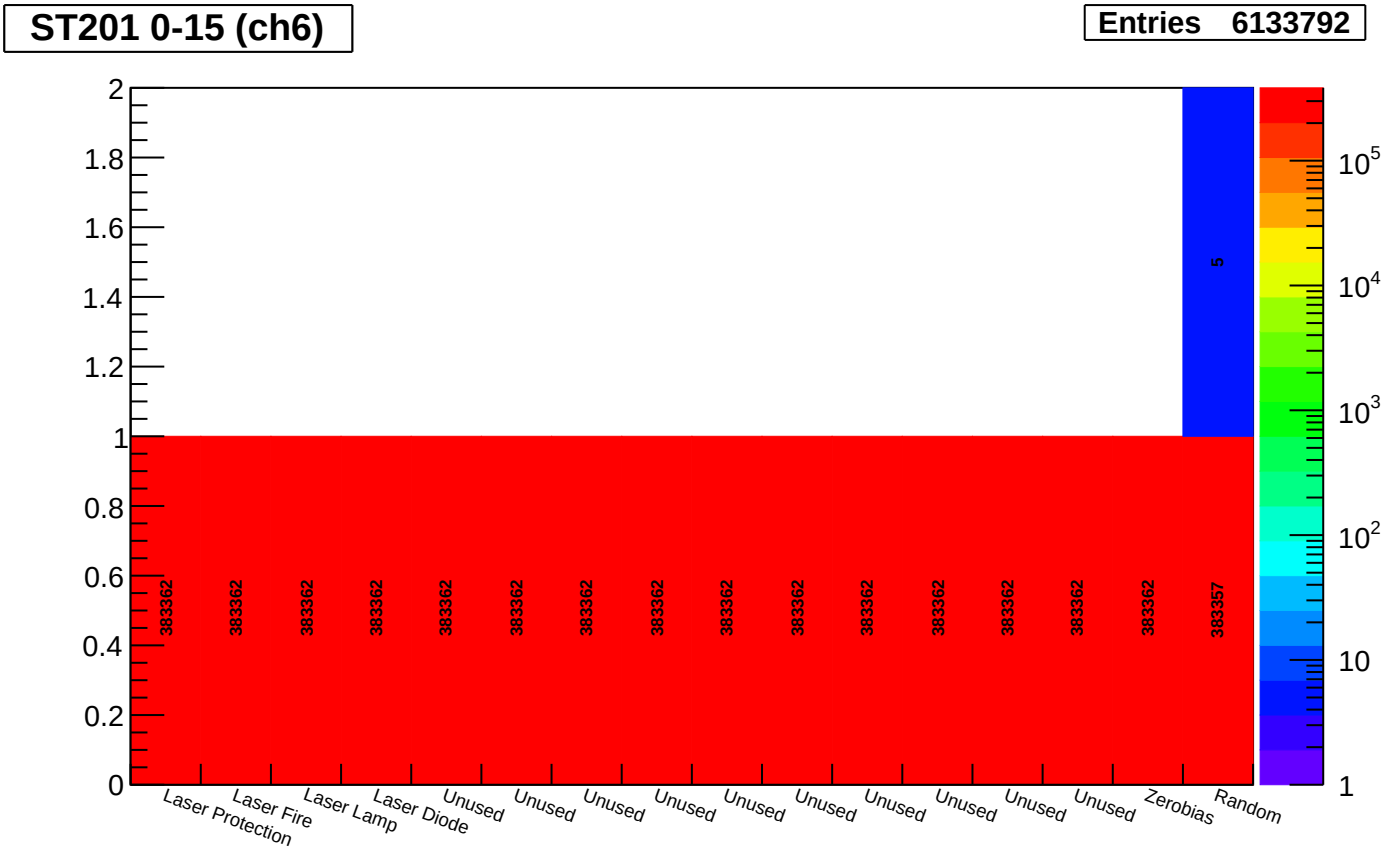

Entries 383362
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

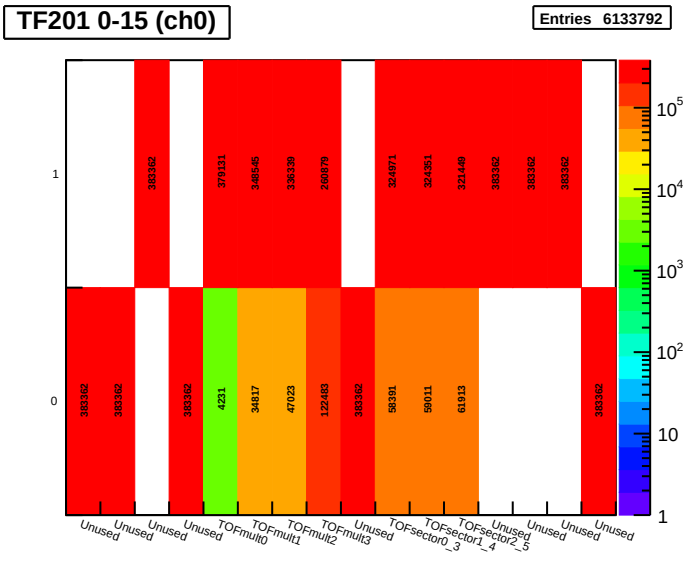

Entries 383362
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

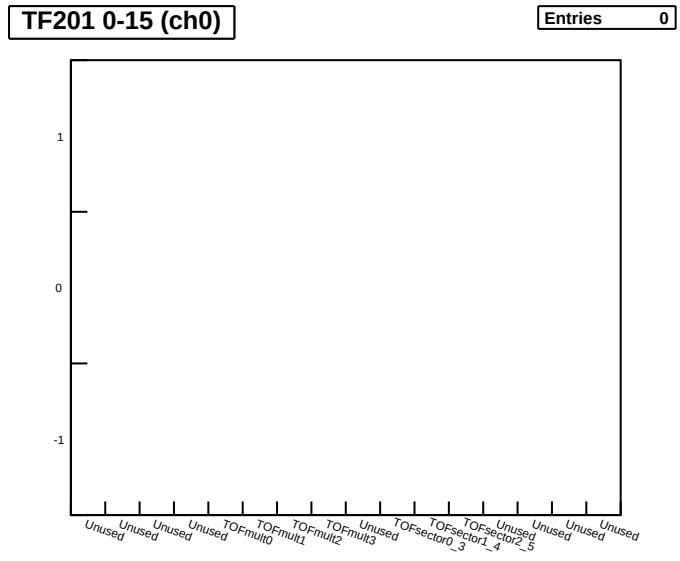

Entries 383362
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

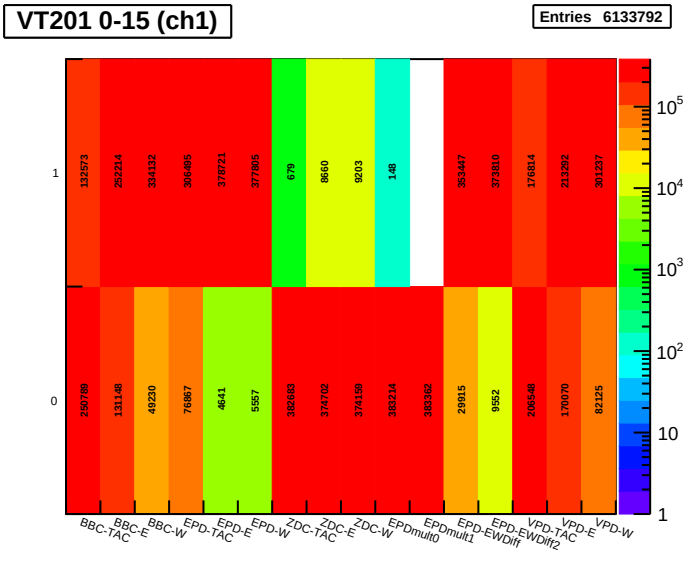

Entries 383362
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

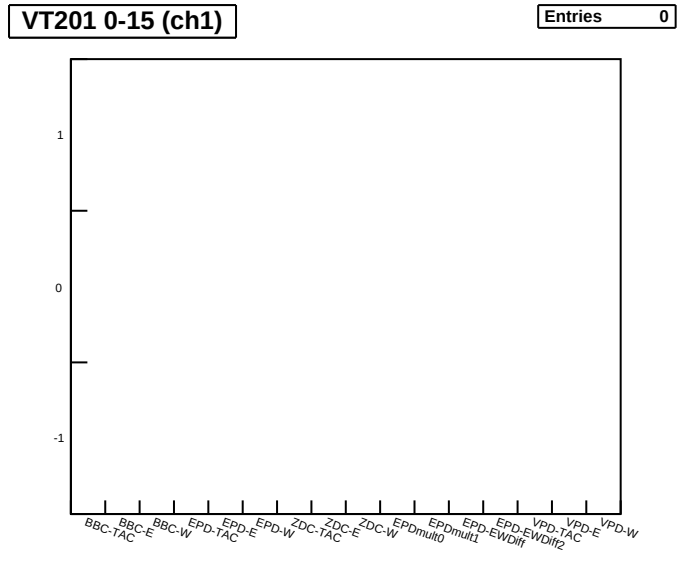

Laser Input Bits
Entries 383362
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

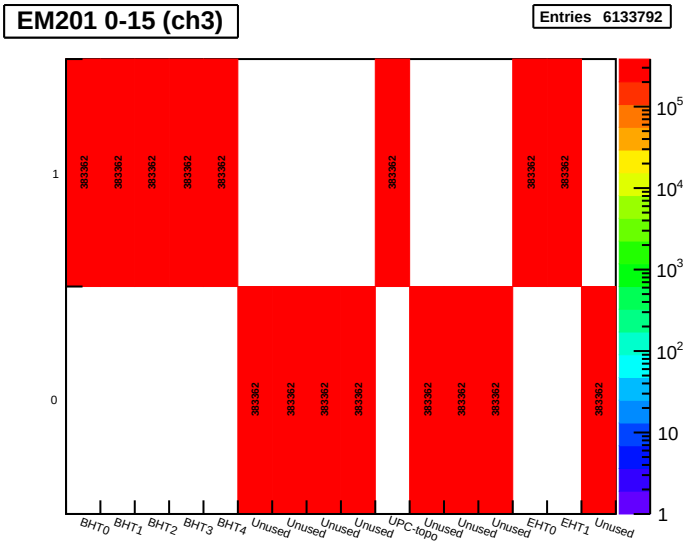

ST201 0-15 (ch6)
Entries 6133792
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
383362
383357
5
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

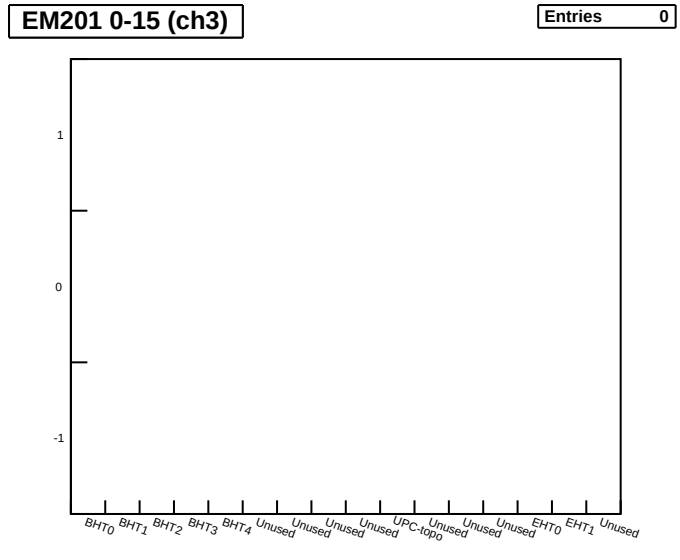

TF201 0-15 (ch0)
Entries 6133792
1
0
383362
379131
348545
336339
290879
324971
324351
321449
383362
383362
383362
383362
383362
383362
4231
34817
47023
122483
383362
58391
59011
61913
383362
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 6133792
1
0
132573
252214
334132
306495
376721
377805
679
8660
9203
148
353447
373810
176814
213292
301237
250789
131148
49230
76867
4641
5557
382683
374702
374159
383214
383362
29915
9552
206546
170070
82125
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 6133792
1
0
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
383362
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1