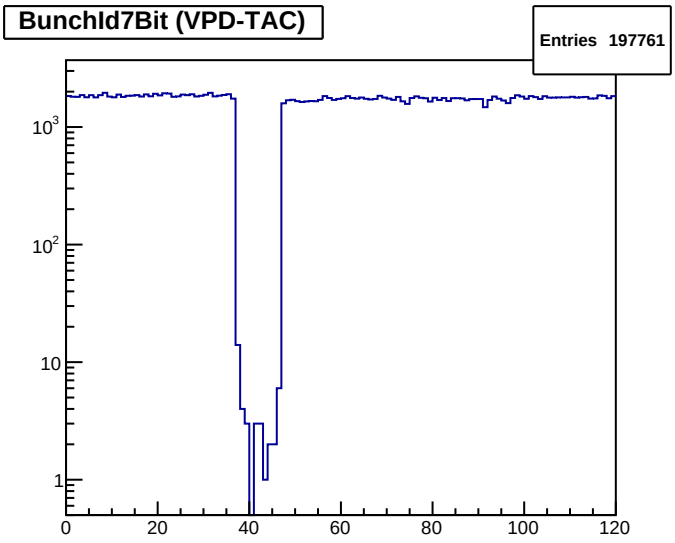
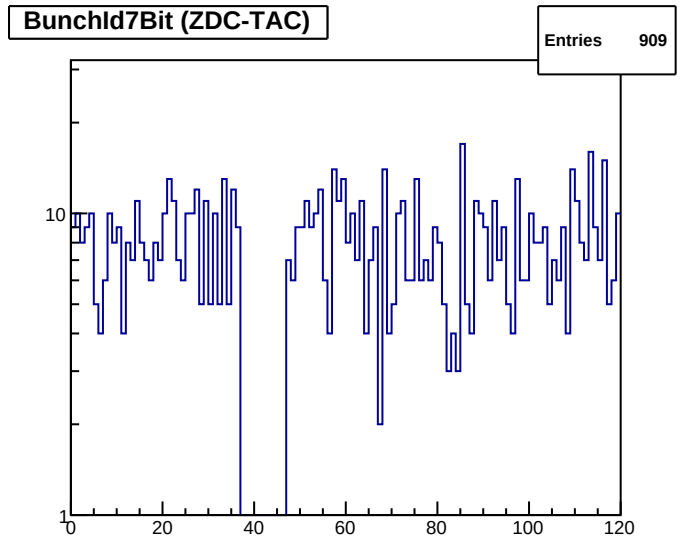
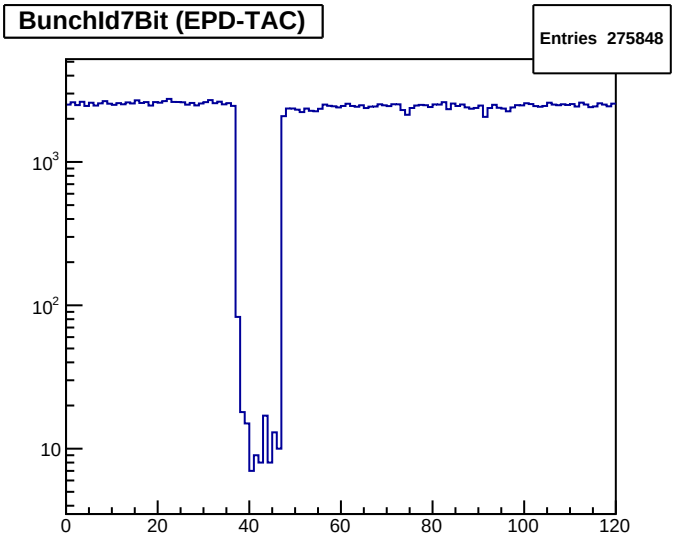
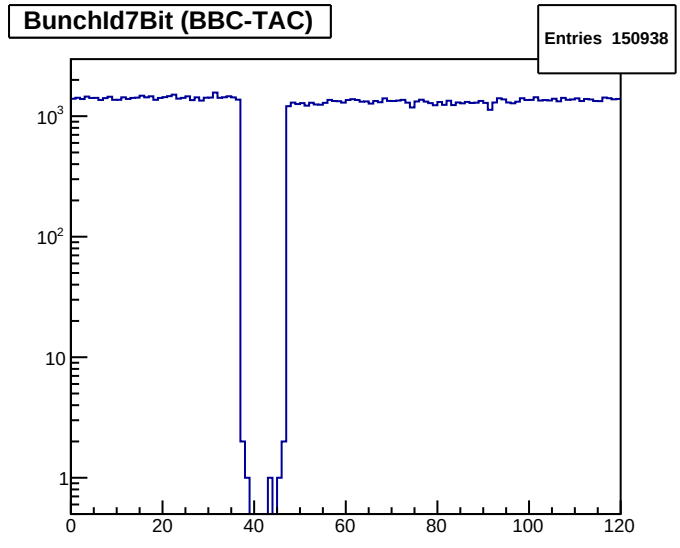
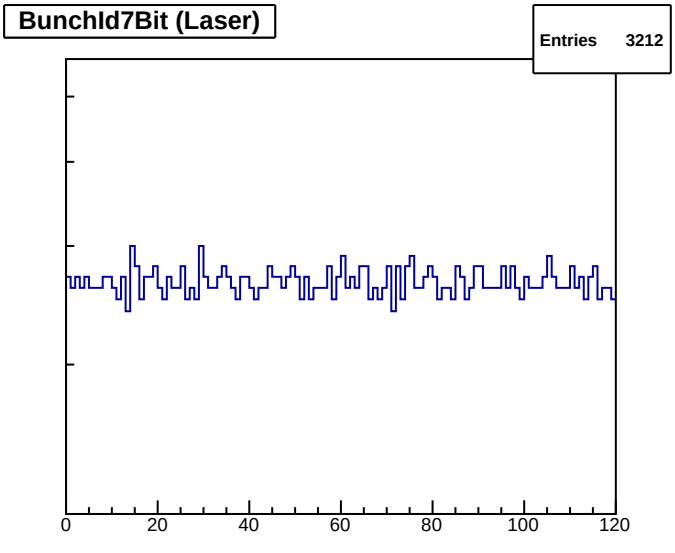
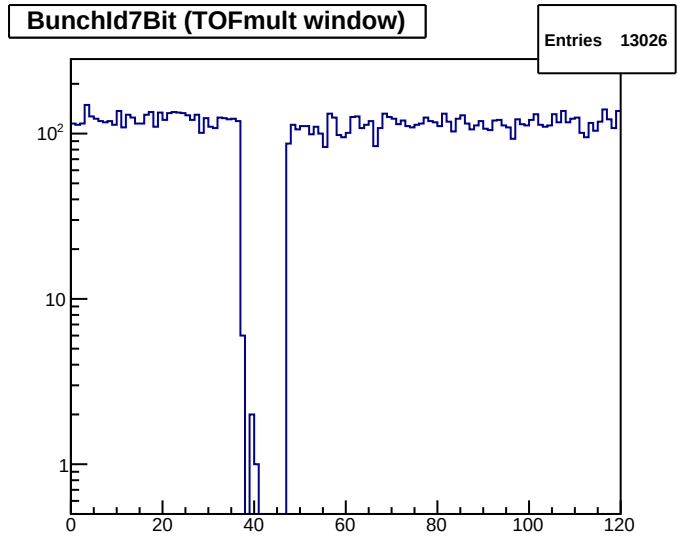

BunchId7Bit (VPD-TAC)
Entries 197761
10^3
10^2
10
1
0
20
40
60
80
100
120

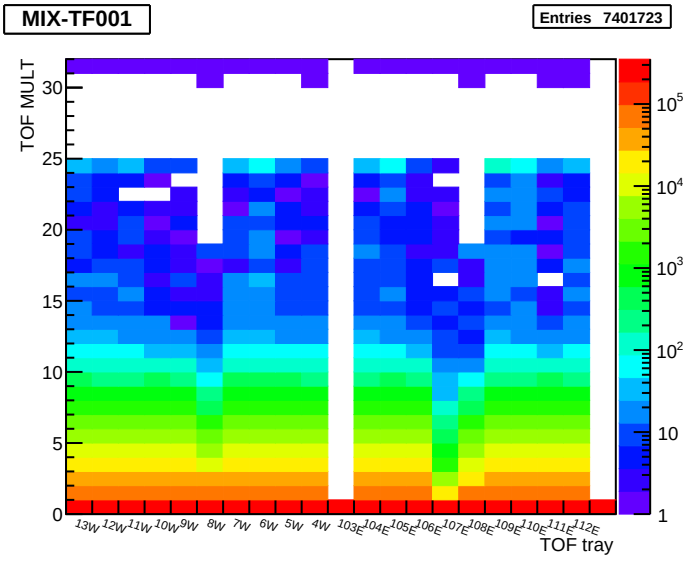

BunchId7Bit (ZDC-TAC)
Entries 909
10
1
0
20
40
60
80
100
120

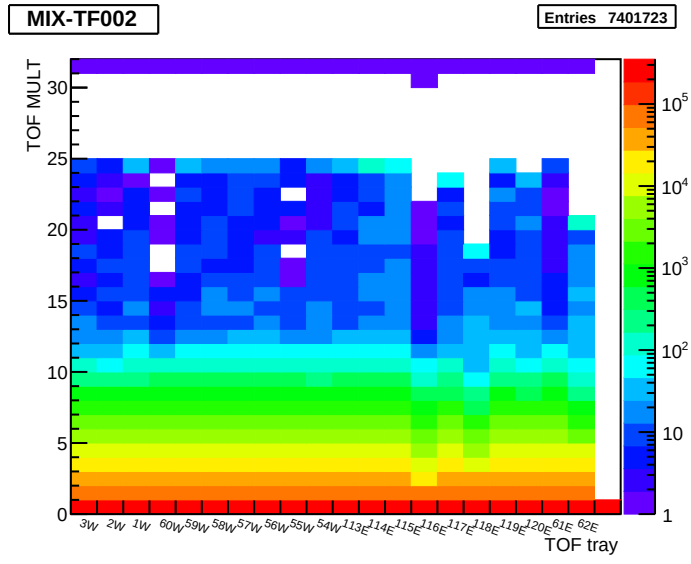

BunchId7Bit (EPD-TAC)
Entries 275848
10^3
10^2
10
0
20
40
60
80
100
120

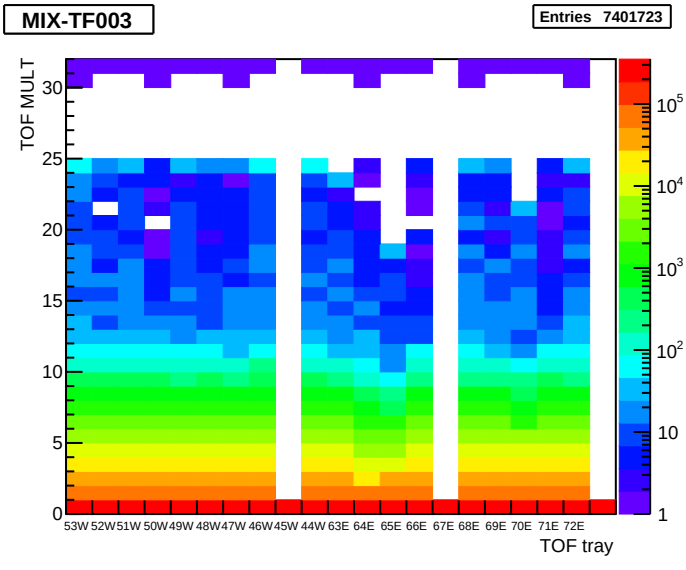

BunchId7Bit (BBC-TAC)
Entries 150938
10^3
10^2
10
1
0
20
40
60
80
100
120

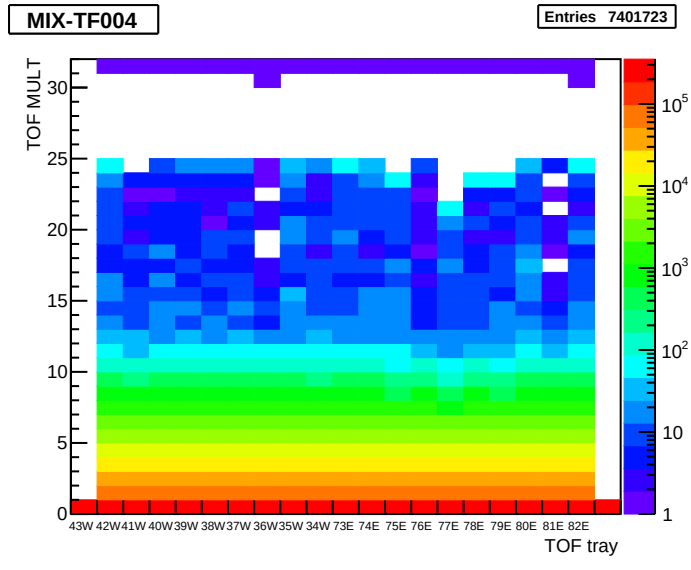

BunchId7Bit (Laser)
Entries 3212
0
20
40
60
80
100
120

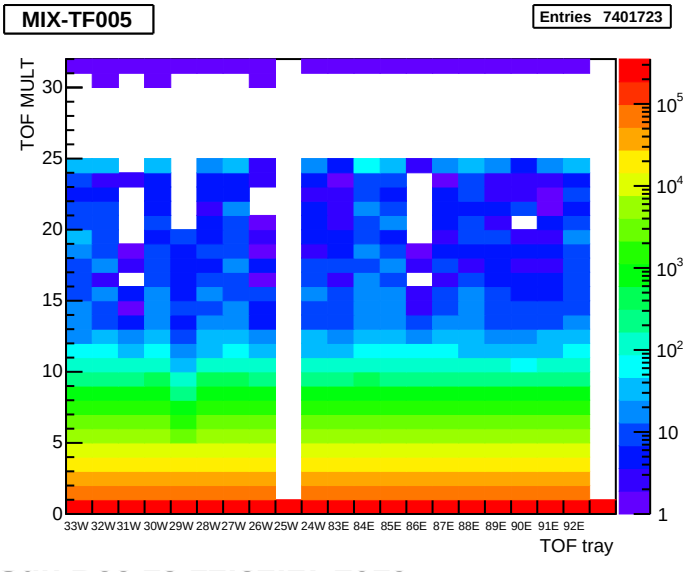

BunchId7Bit (TOFmult window)
Entries 13026
10^2
10
1
0
20
40
60
80
100
120

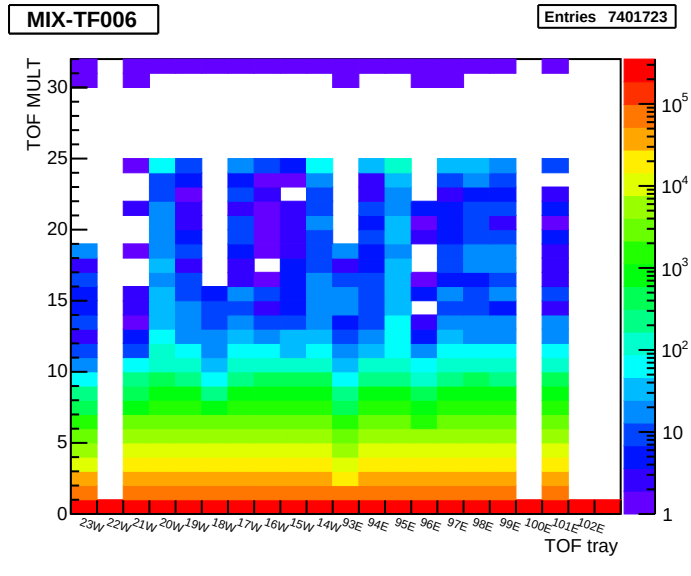

MIX-TF001
Entries 7401723
TOF MULT
TOF tray

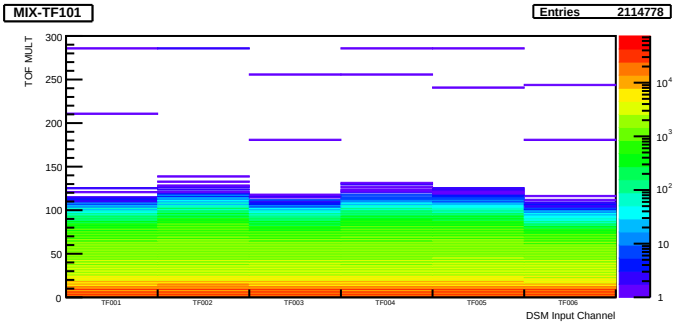

MIX-TF002
Entries 7401723
TOF MULT
TOF tray

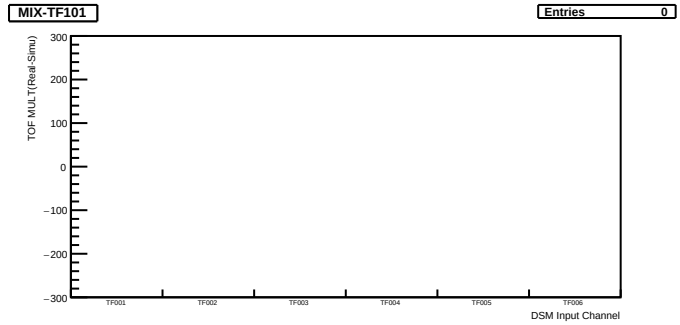

MIX-TF003
Entries 7401723
TOF MULT
TOF tray

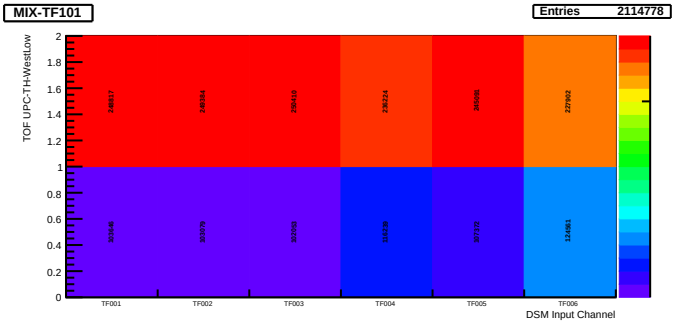

MIX-TF004
Entries 7401723
TOF MULT
TOF tray

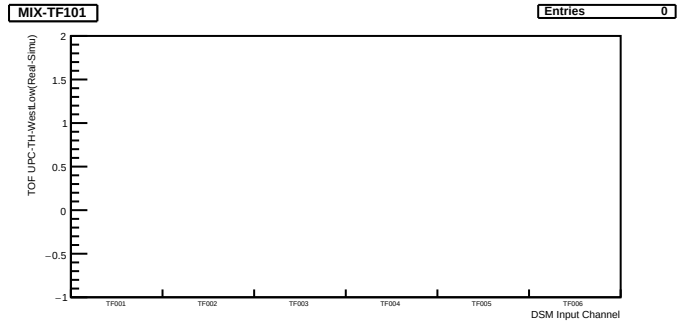

MIX-TF005
Entries 7401723
TOF MULT
TOF tray

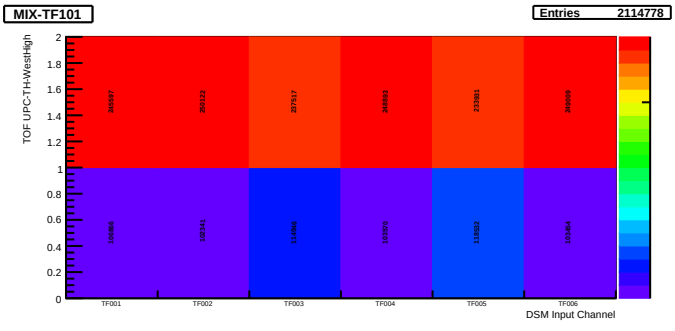

MIX-TF006
Entries 7401723
TOF MULT
TOF tray

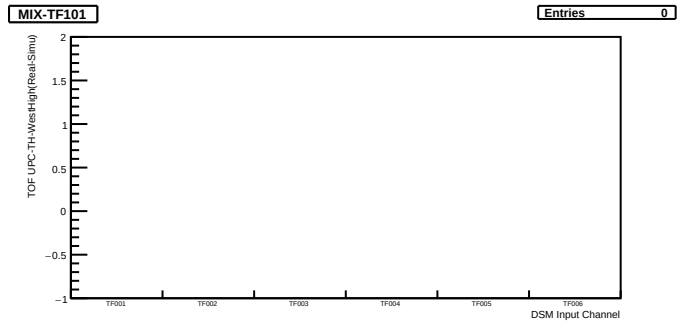

MIX-TF101
Entries 2114778
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

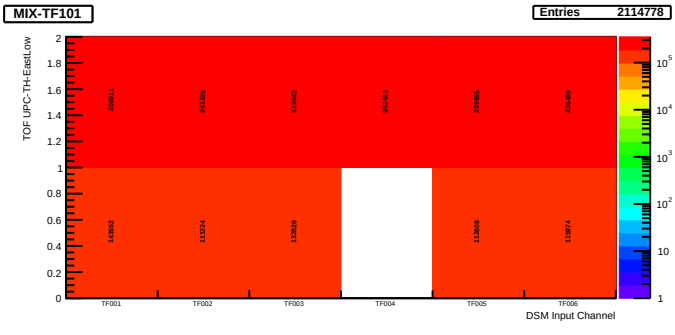

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

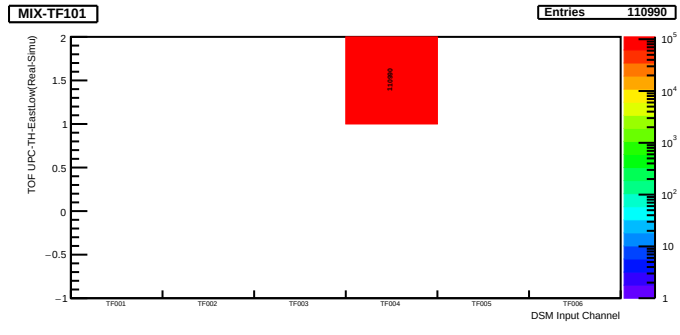

MIX-TF101
Entries 2114778
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

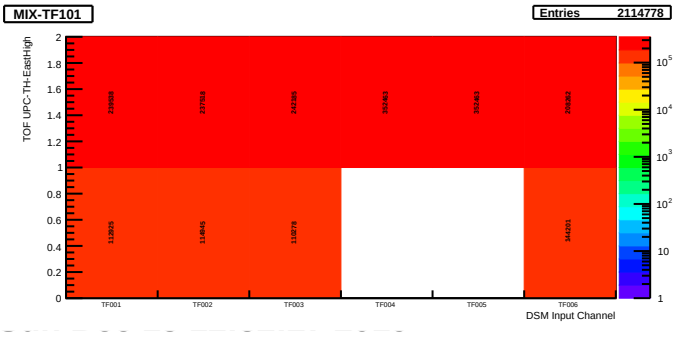

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

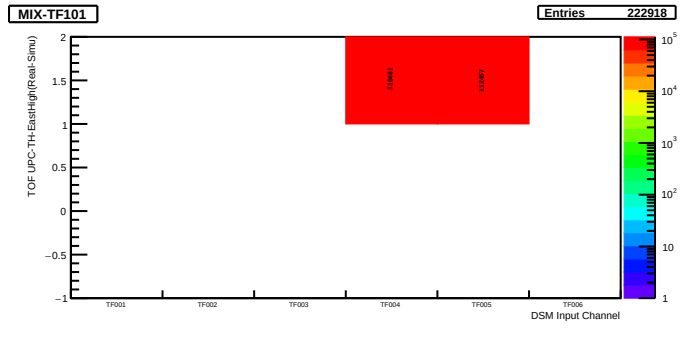

MIX-TF101
Entries 2114778
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

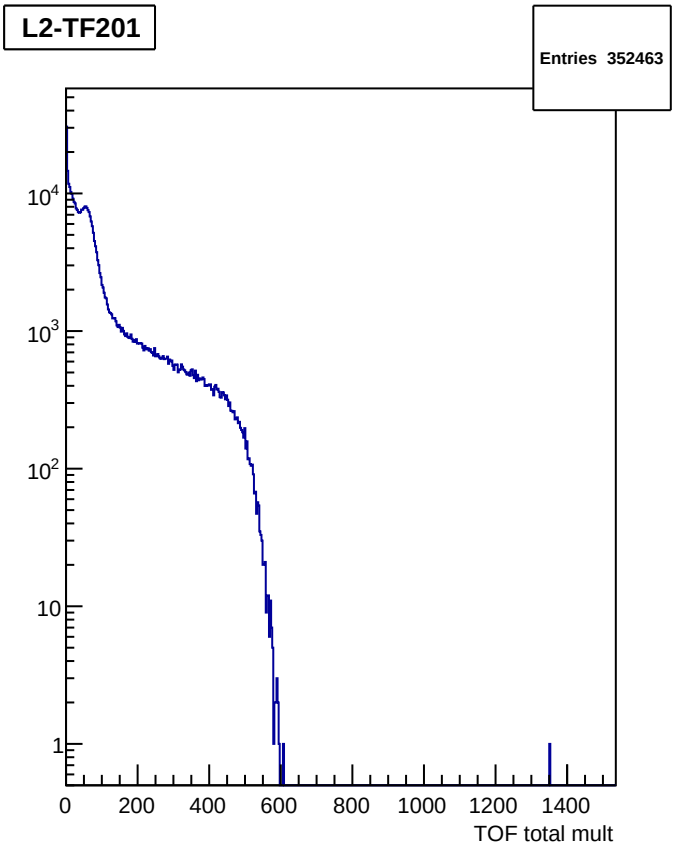

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

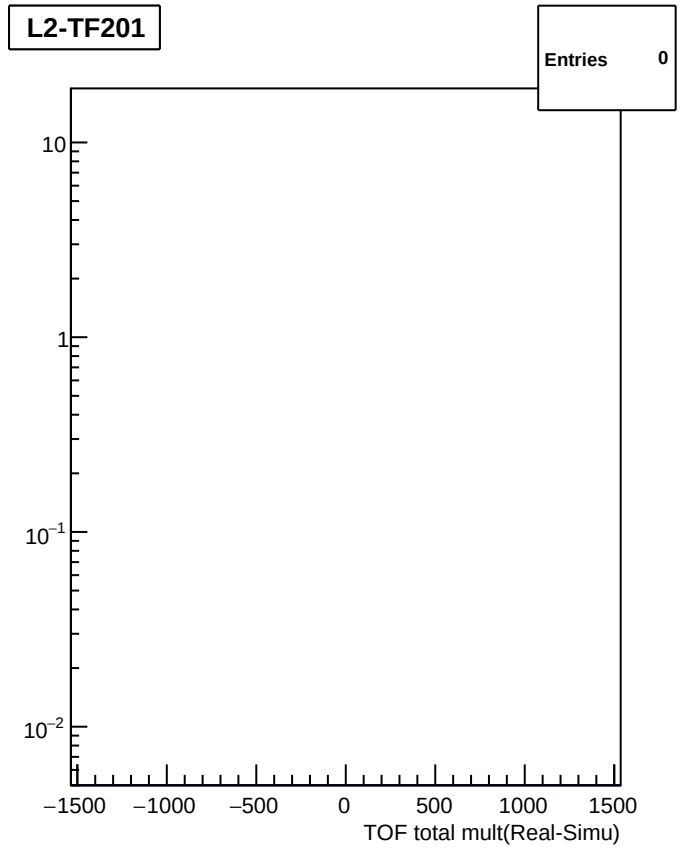

MIX-TF101
Entries 2114778
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

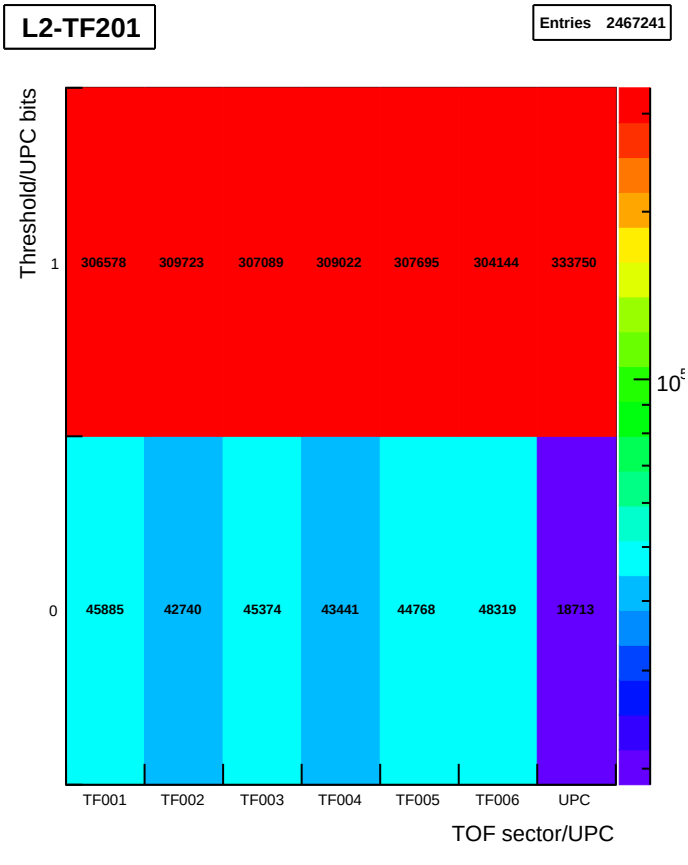

MIX-TF101
Entries 110990
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

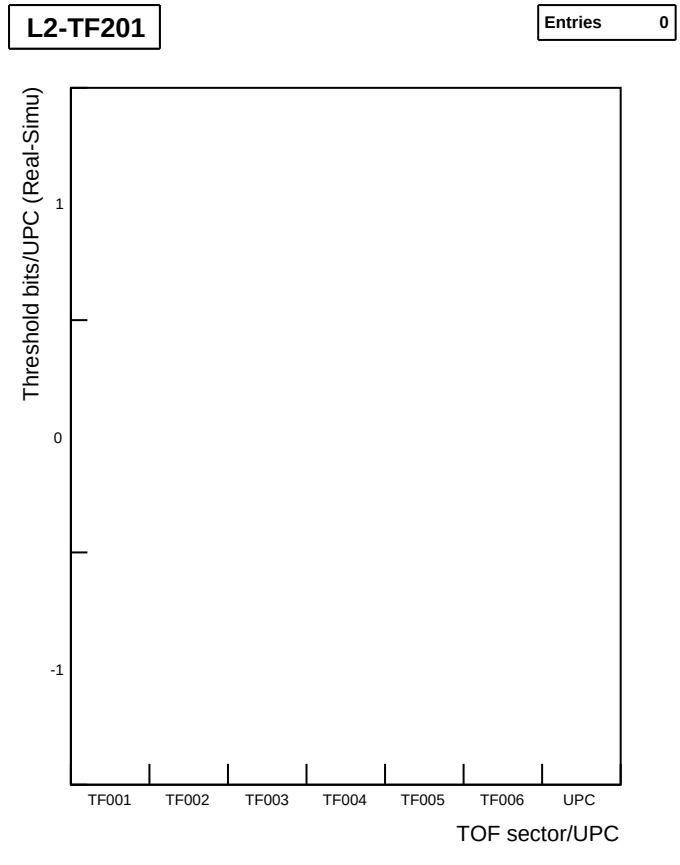

MIX-TF101
Entries 2114778
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

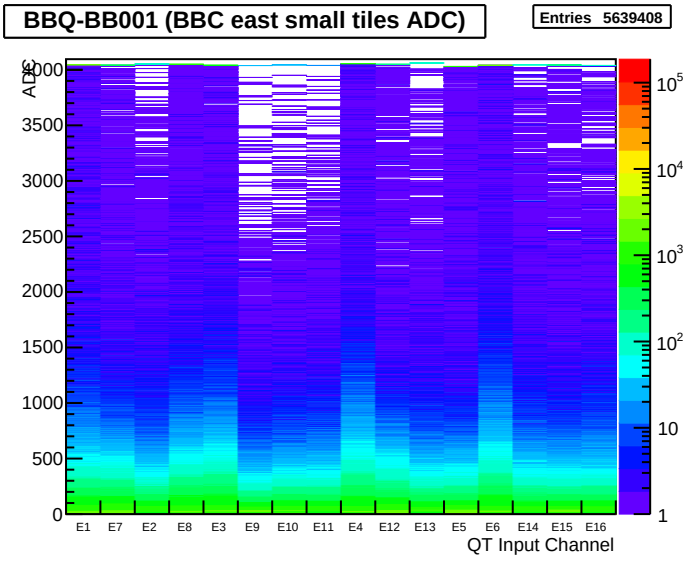

MIX-TF101
Entries 222918
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

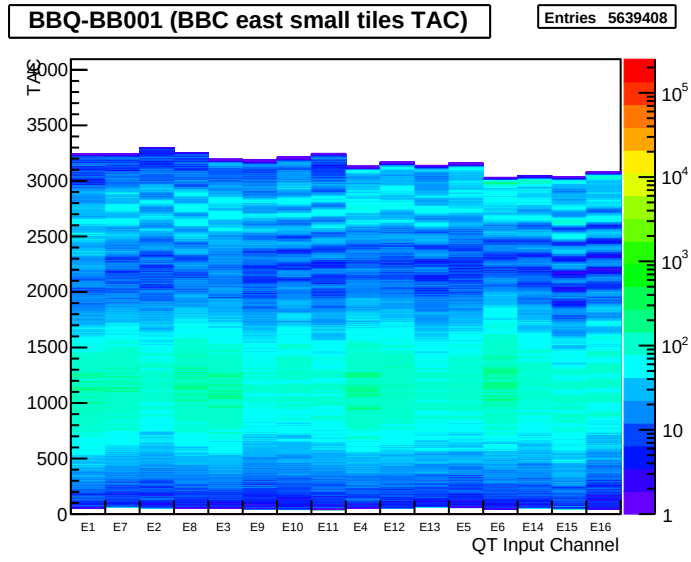

L2-TF201
Entries 352463
TOF total mult

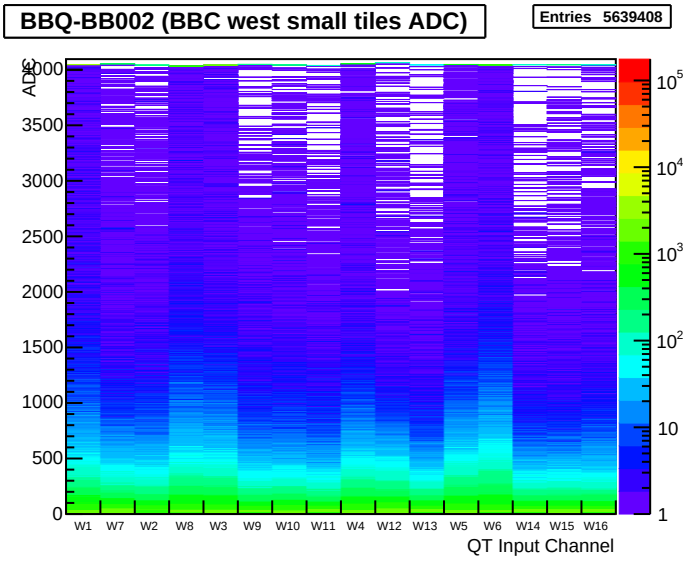

L2-TF201
Entries 0
TOF total mult(Real-Simu)

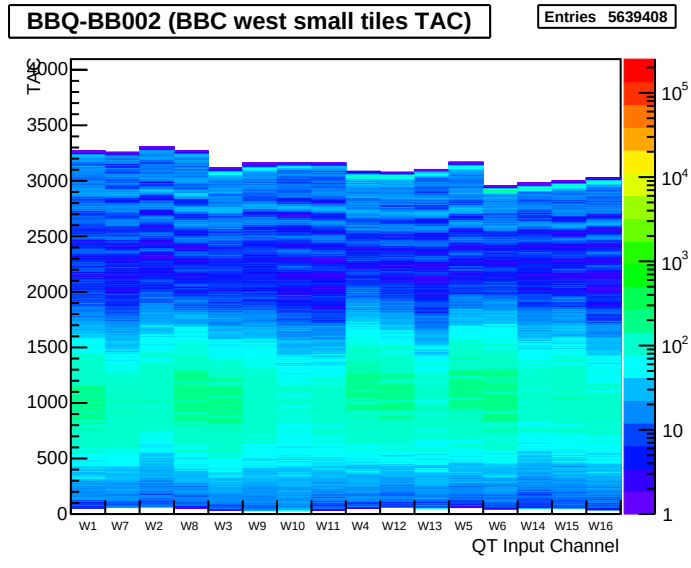

L2-TF201
Entries 2467241
Threshold/UPC bits
306578
309723
307089
309022
307695
304144
333750
45885
42740
45374
43441
44768
48319
18713
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

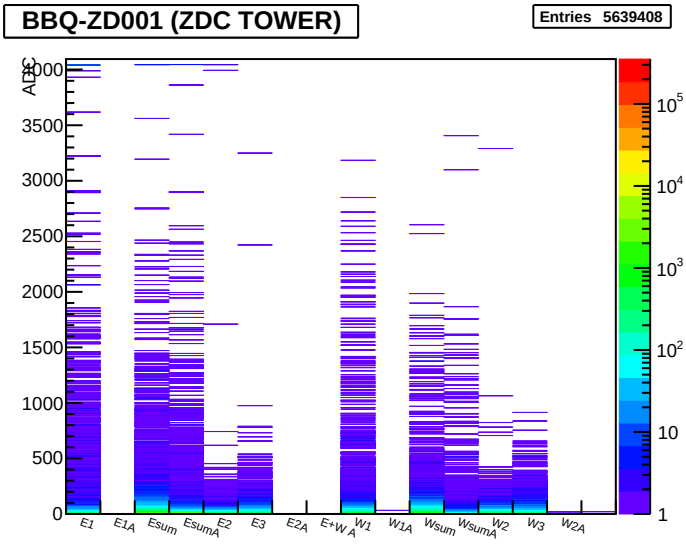

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

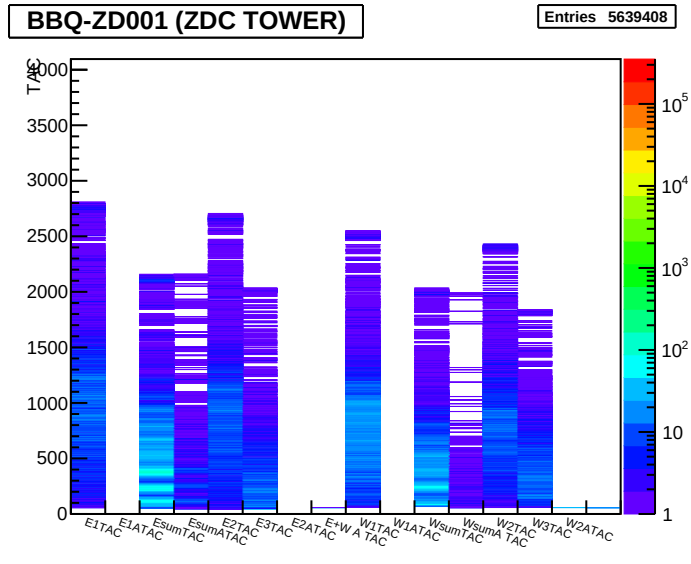

BBQ-BB001 (BBC east small tiles ADC)
Entries 5639408
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

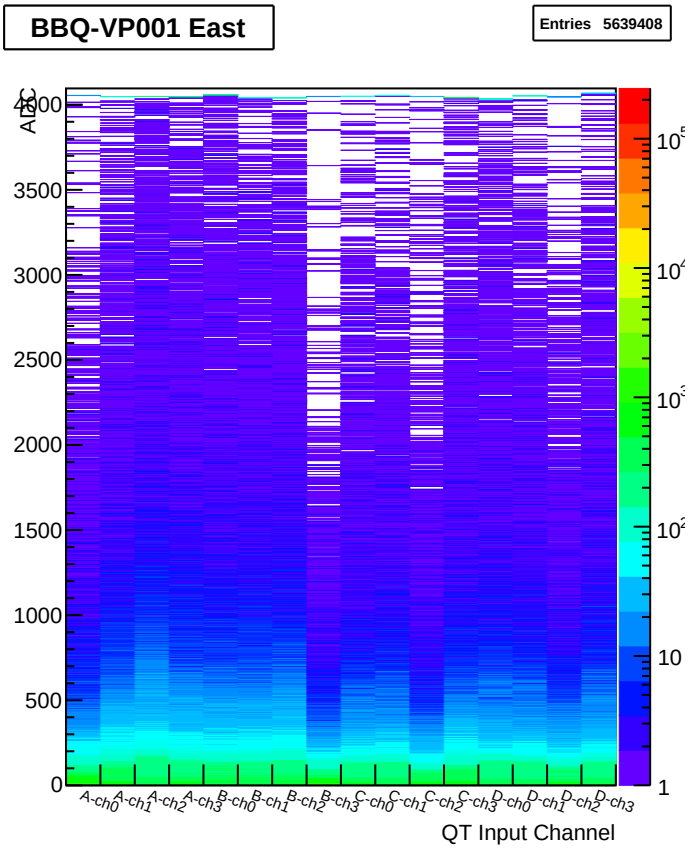

BBQ-BB001 (BBC east small tiles TAC)
Entries 5639408
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

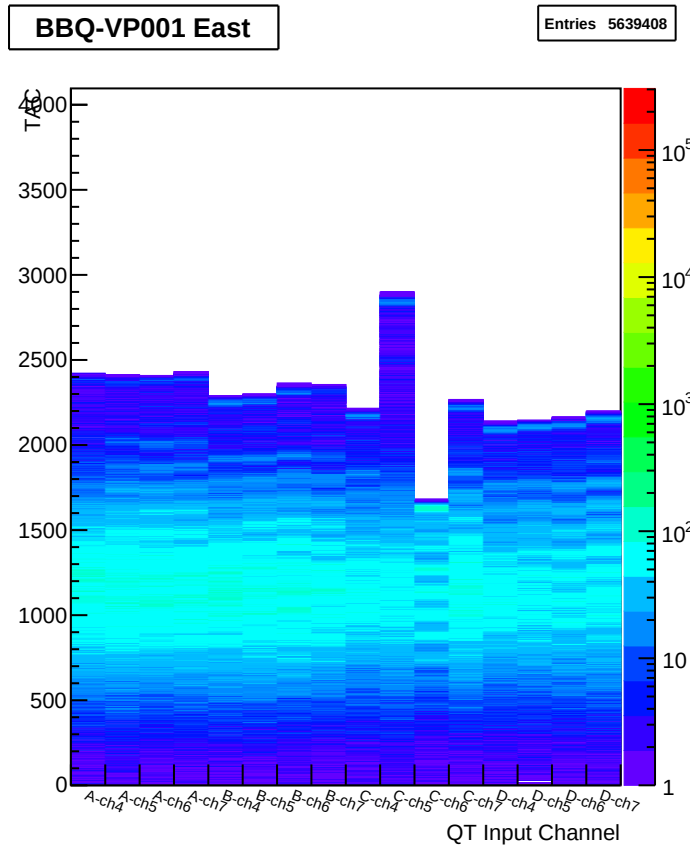

BBQ-BB002 (BBC west small tiles ADC)
Entries 5639408
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

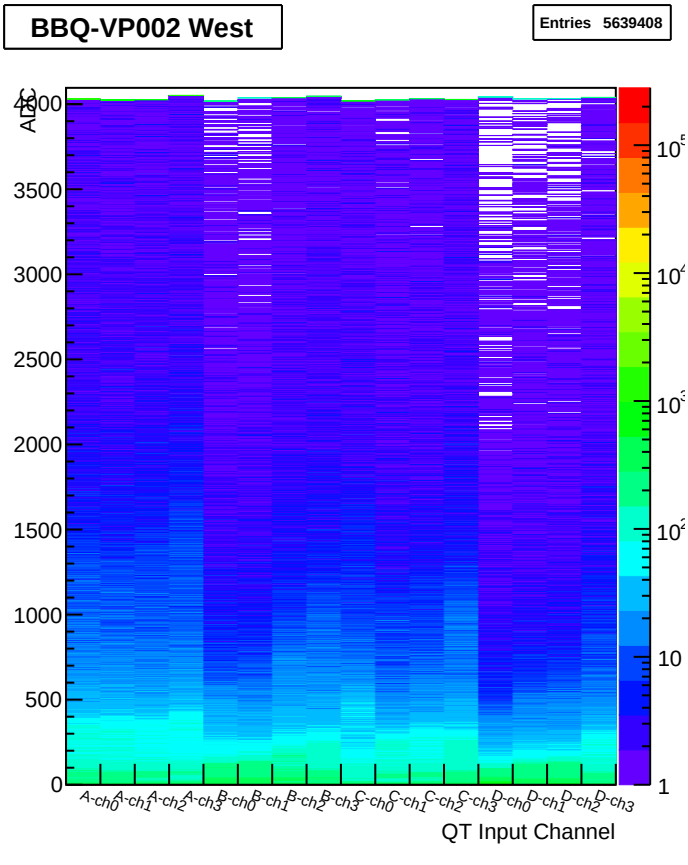

BBQ-BB002 (BBC west small tiles TAC)
Entries 5639408
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

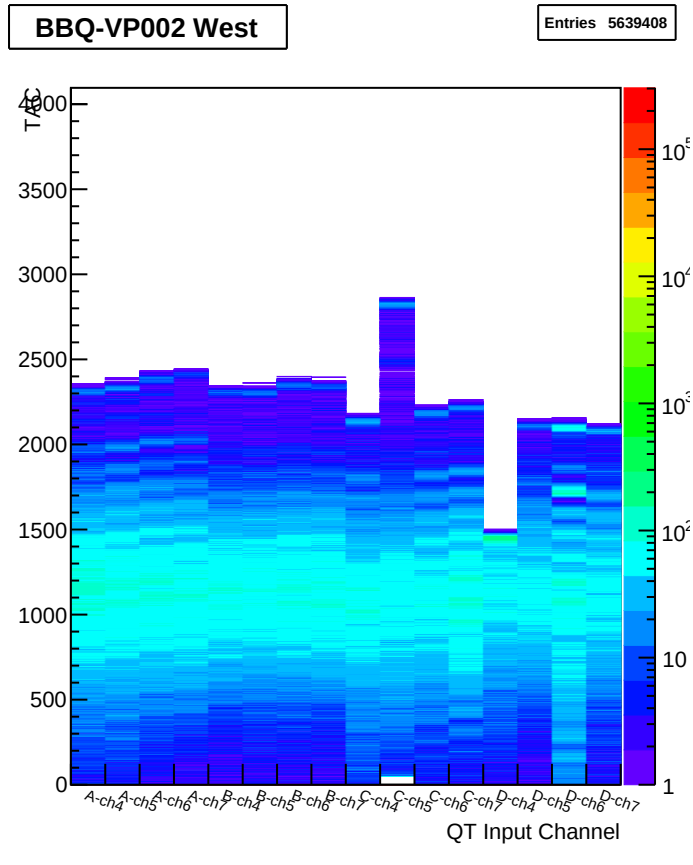

BBQ-ZD001 (ZDC TOWER)
Entries 5639408
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

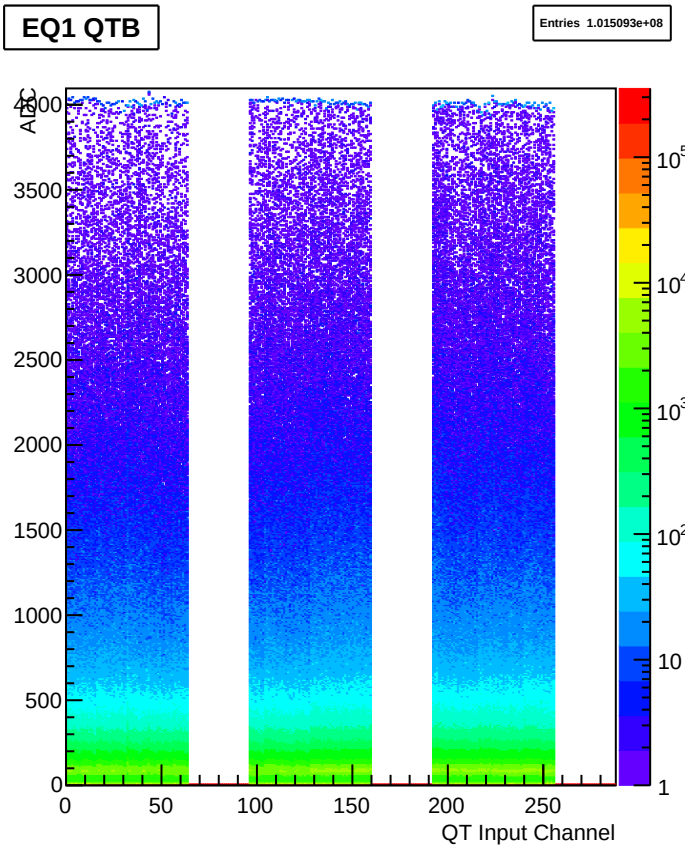

BBQ-ZD001 (ZDC TOWER)
Entries 5639408
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

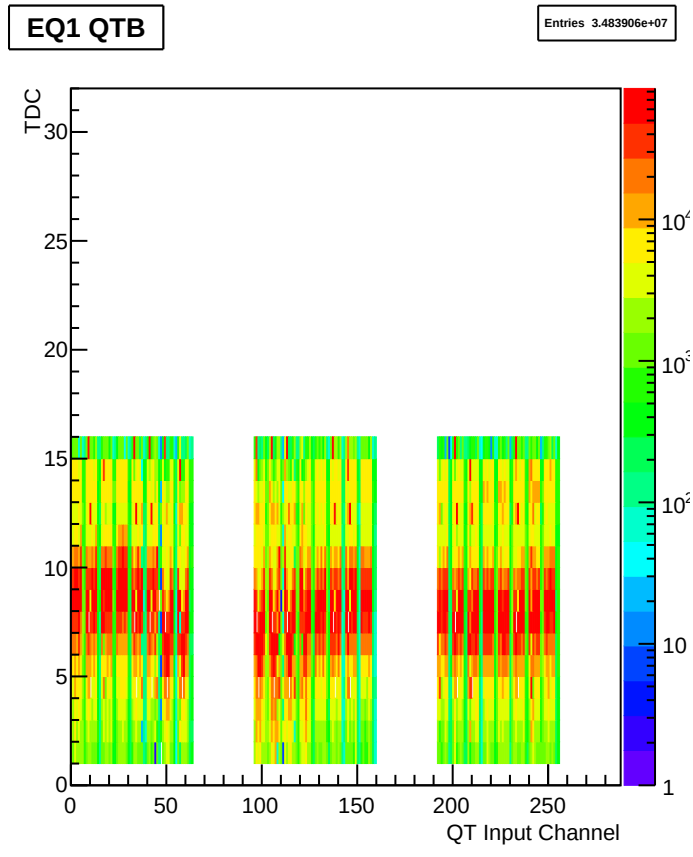

BBQ-VP001 East
Entries 5639408
ADC
QT Input Channel

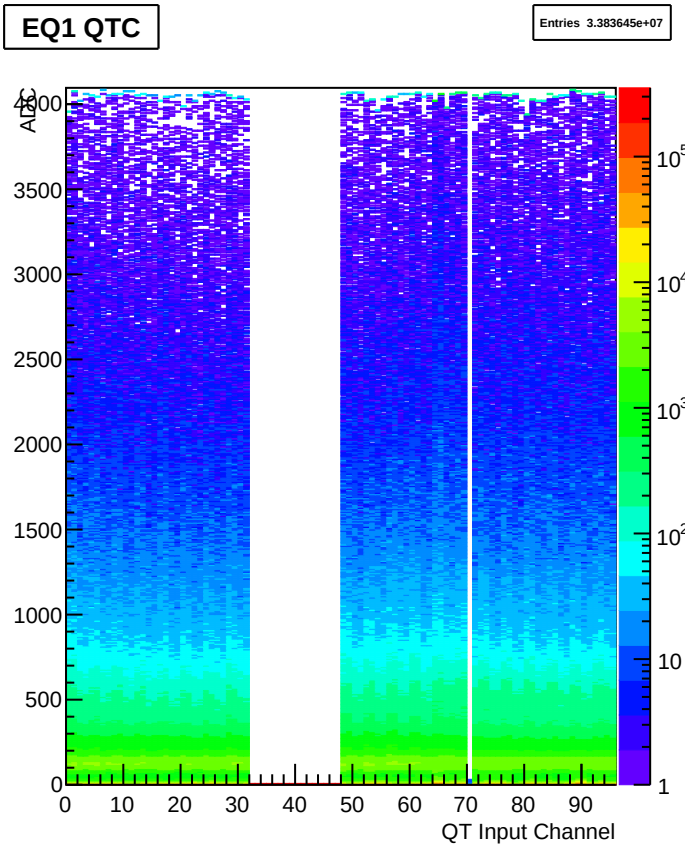

BBQ-VP001 East
Entries 5639408
TADC
QT Input Channel

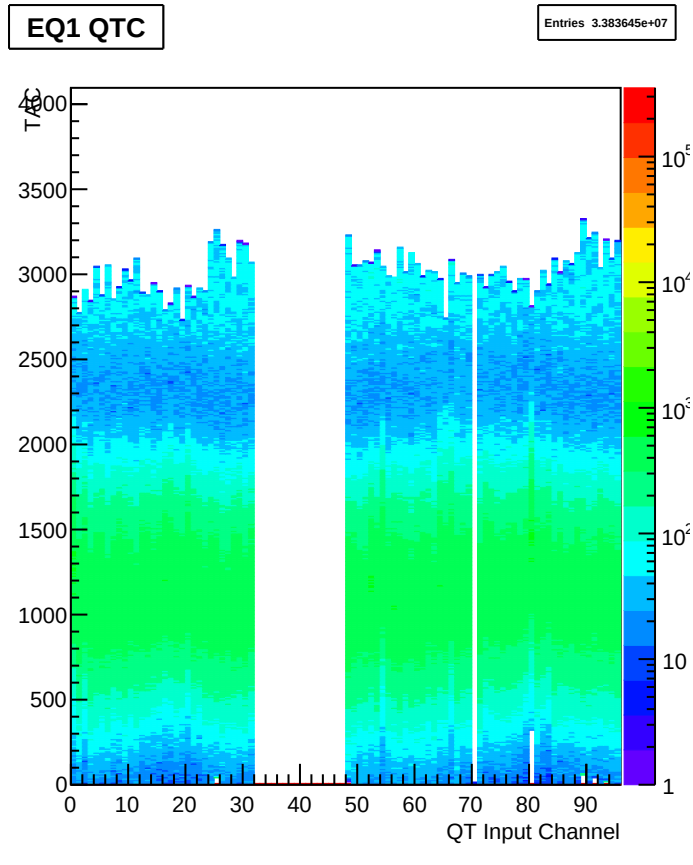

BBQ-VP002 West
Entries 5639408
ADC
QT Input Channel

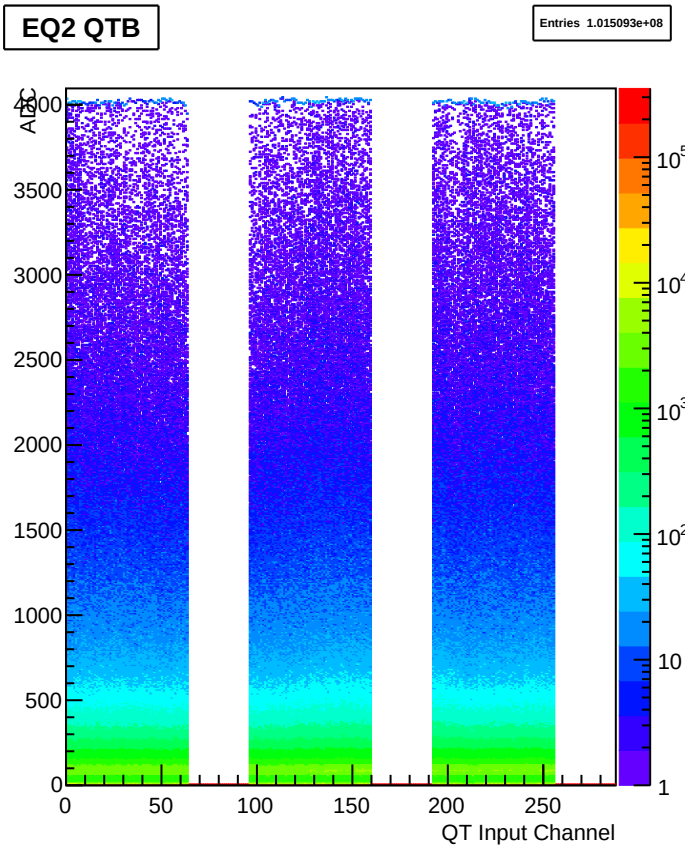

BBQ-VP002 West
Entries 5639408
TADC
QT Input Channel

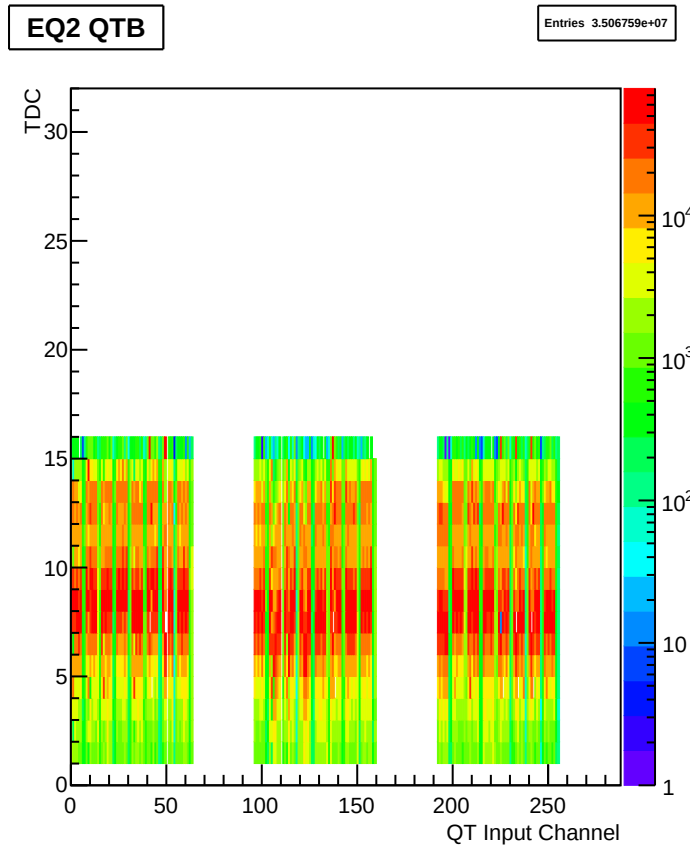

EQ1 QTB
Entries 1.015093e+08
ADC
QT Input Channel

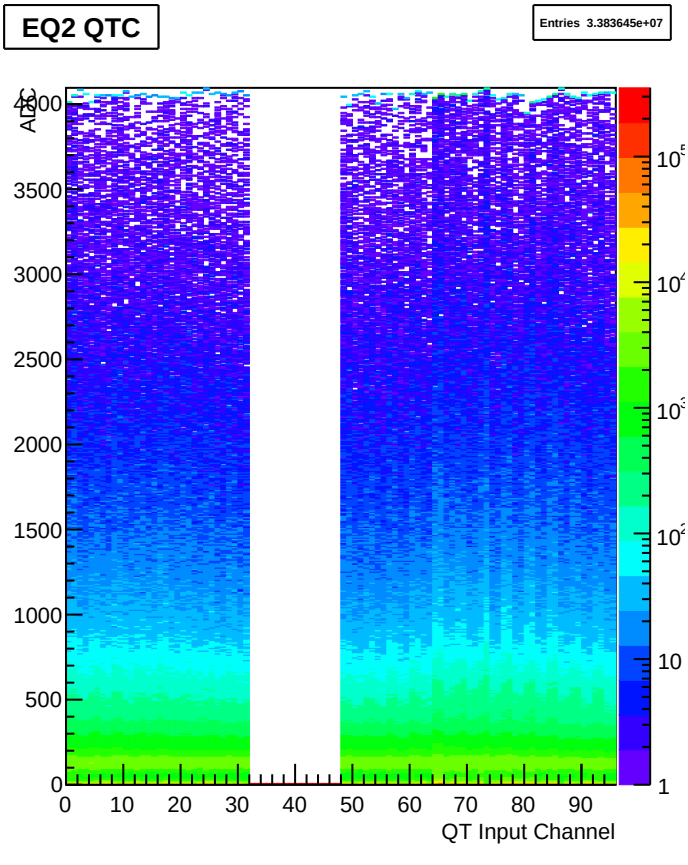

EQ1 QTB
Entries 3.483906e+07
TDC
QT Input Channel

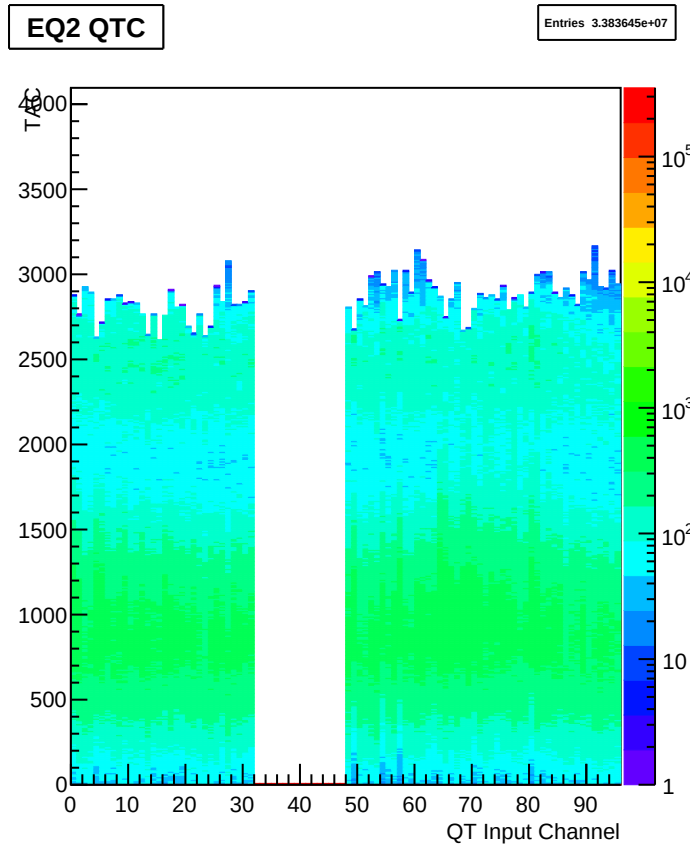

EQ1 QTC
Entries 3.383645e+07
ADC
QT Input Channel

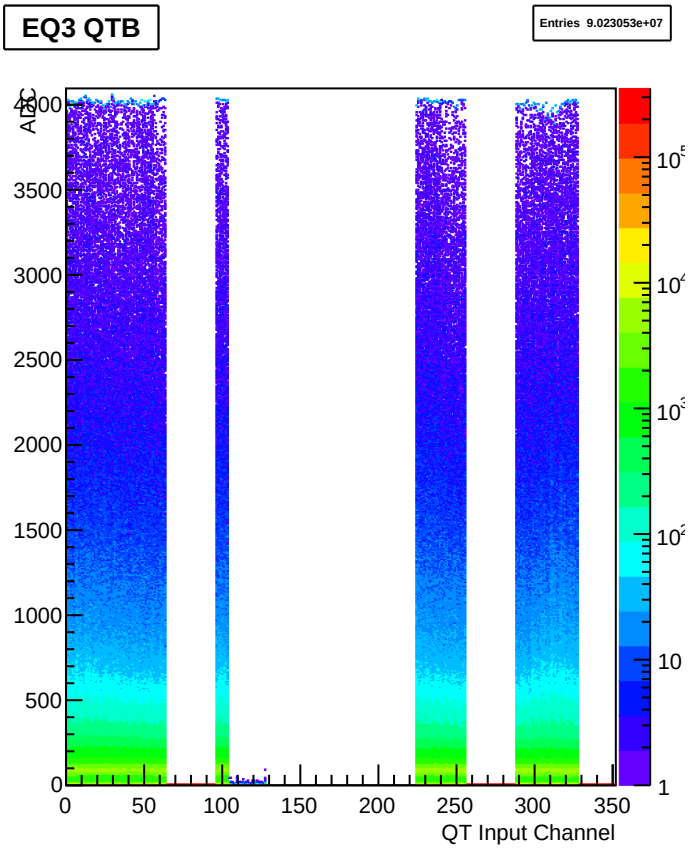

EQ1 QTC
Entries 3.383645e+07
TADC
QT Input Channel

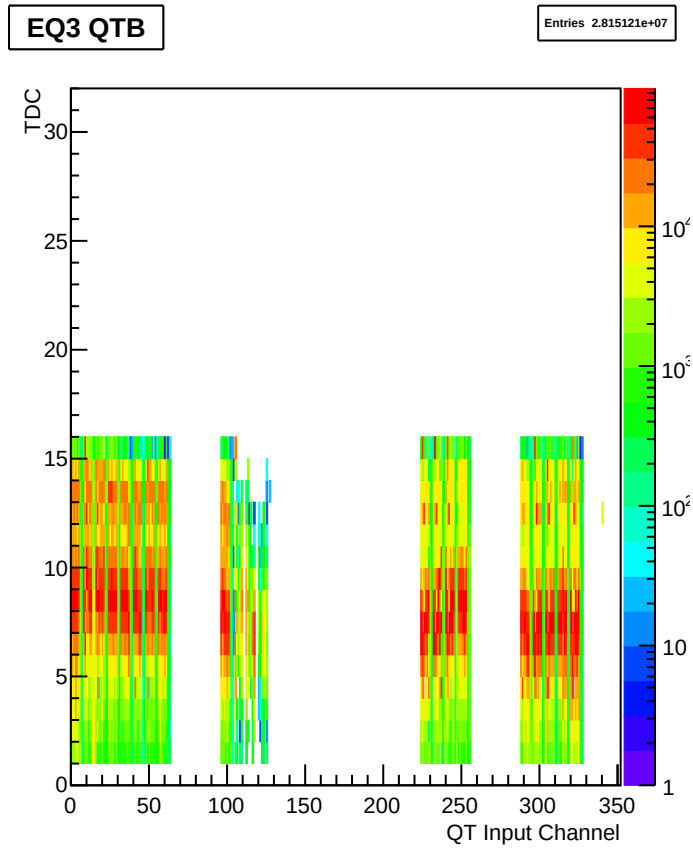

EQ2 QTB
Entries 1.015093e+08
ADC
QT Input Channel

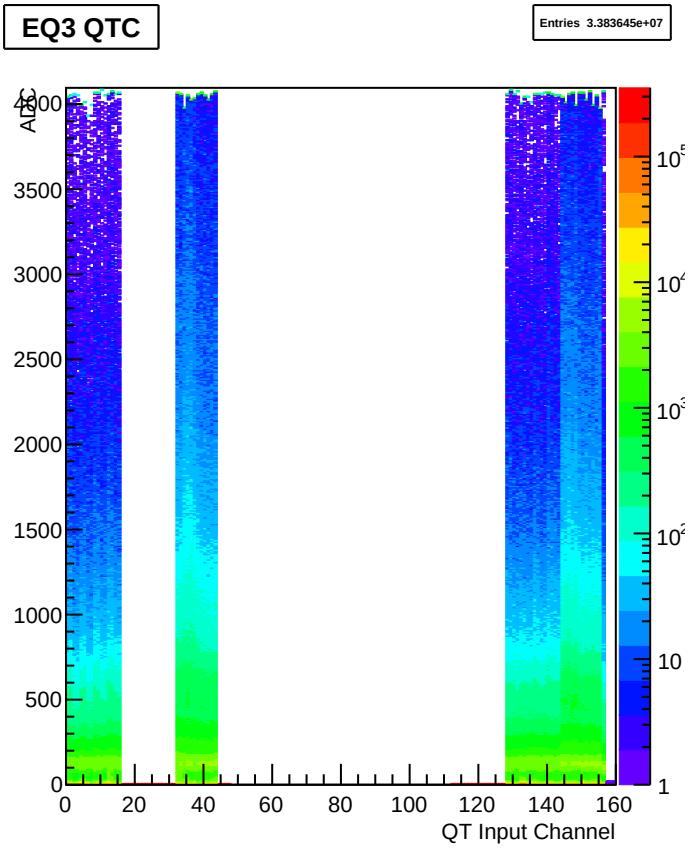

EQ2 QTB
Entries 3.506759e+07
TDC
QT Input Channel

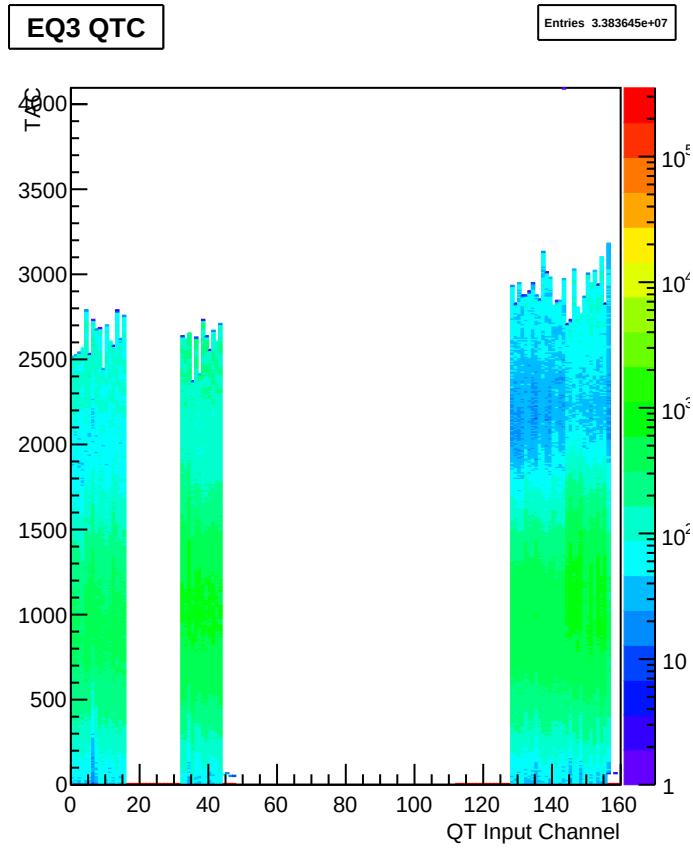

EQ2 QTC
Entries 3.383645e+07
ADC
QT Input Channel

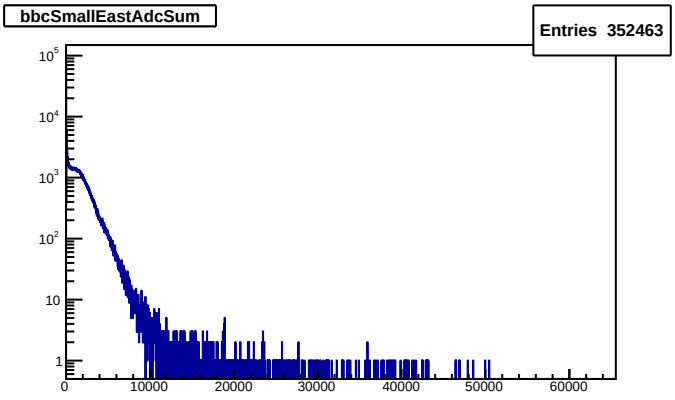

EQ2 QTC
Entries 3.383645e+07
TADC
QT Input Channel

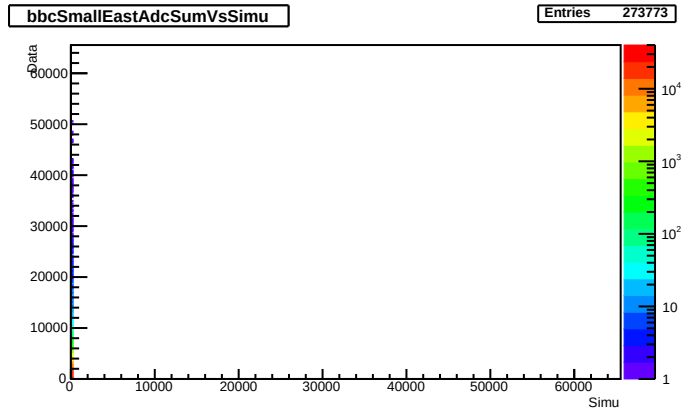

EQ3 QTB
Entries 9.023053e+07
ADC
QT Input Channel

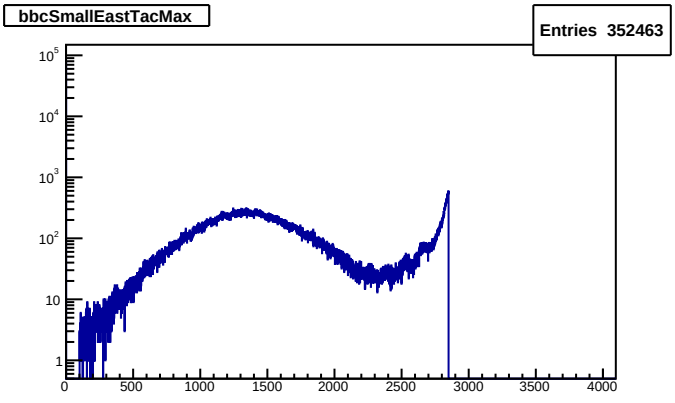

EQ3 QTB
Entries 2.815121e+07
TDC
QT Input Channel

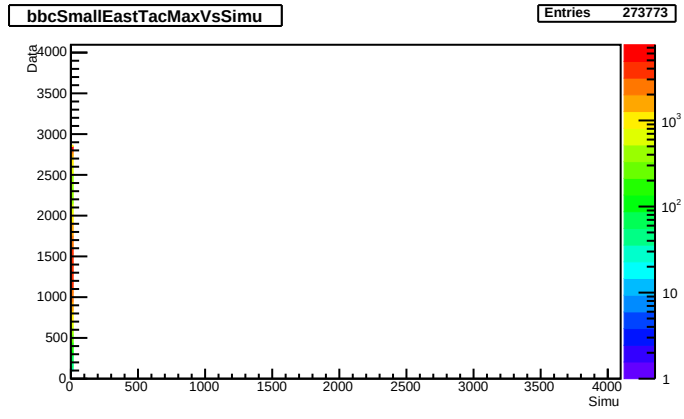

EQ3 QTC
Entries 3.383645e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.383645e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 352463


bbcSmallEastAdcSumVsSimu
Entries 273773
Data
Simu


bbcSmallEastTacMax
Entries 352463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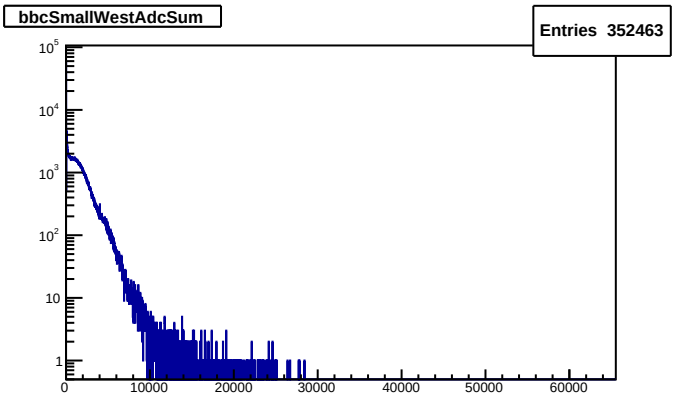
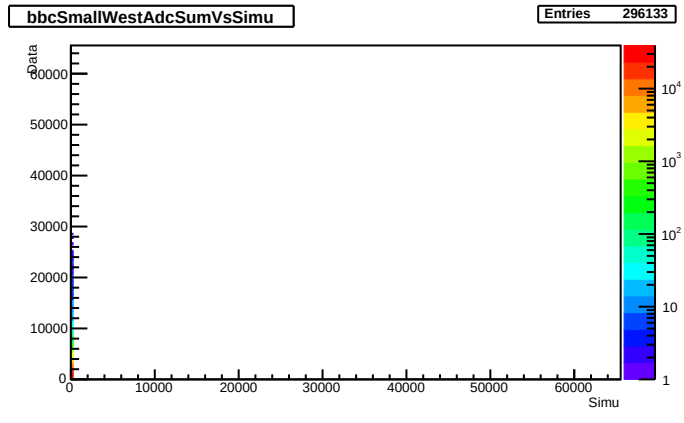
Entries 273773
Data
Simu


bbcSmallWestAdcSum
Entries 352463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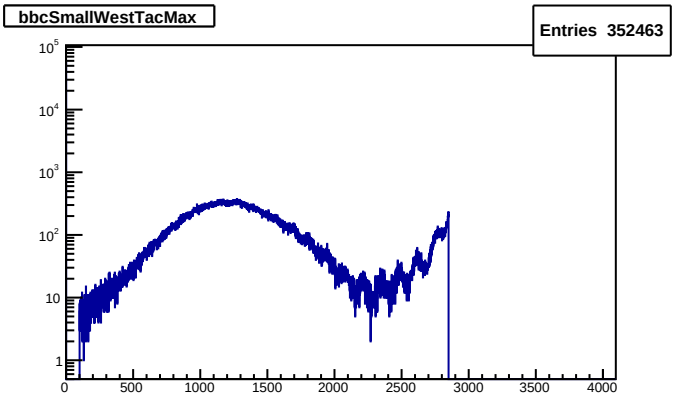
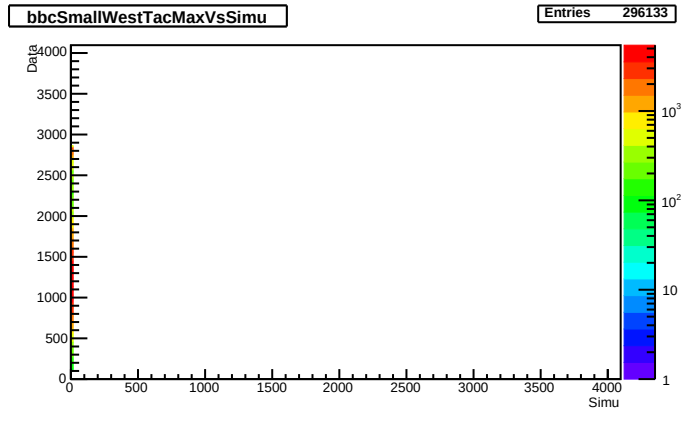
Entries 296133
Data
Simu


bbcSmallWestTacMax
Entries 352463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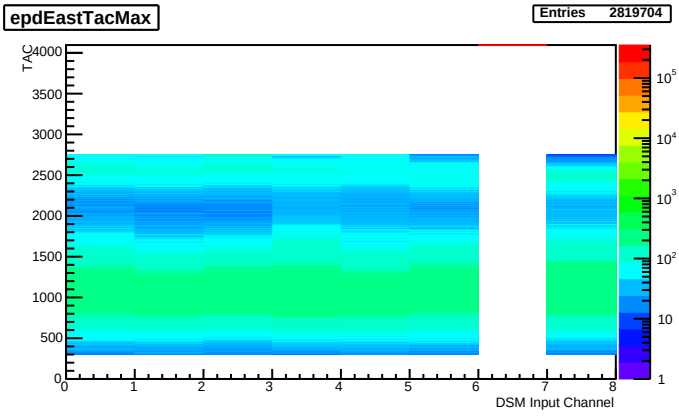
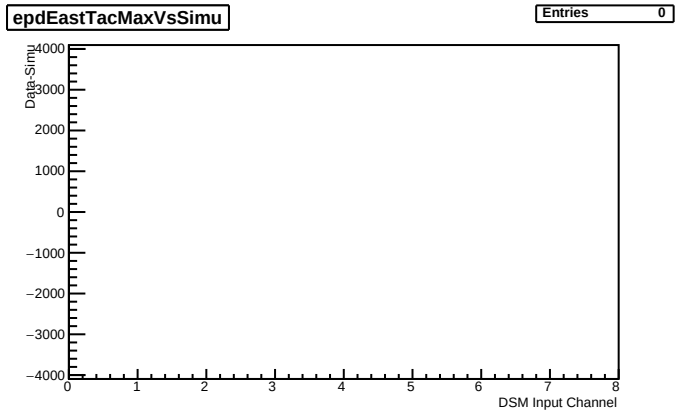
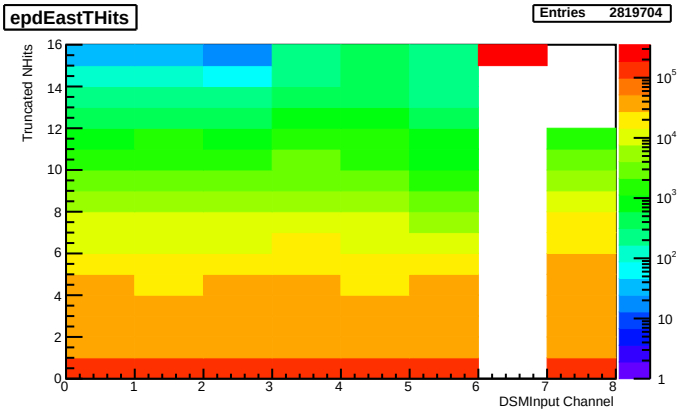
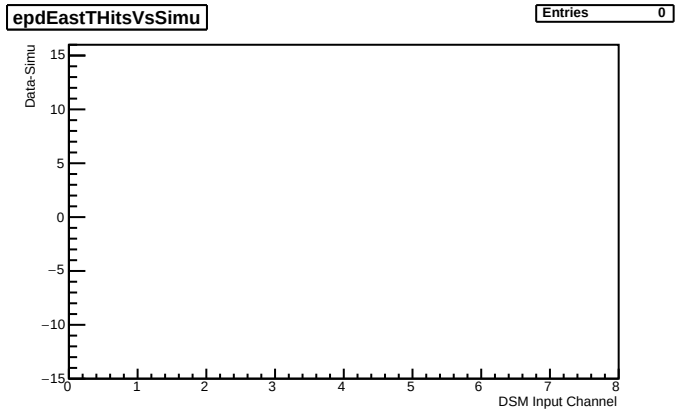
Entries 296133
Data
Simu


epdEastTacMax
Entries 2819704
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2819704
Truncated NHits
DSMInput Channel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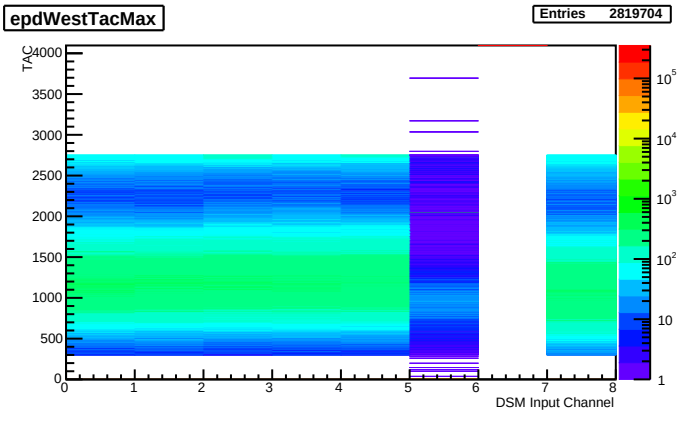
Data-Simu
DSM Input Channel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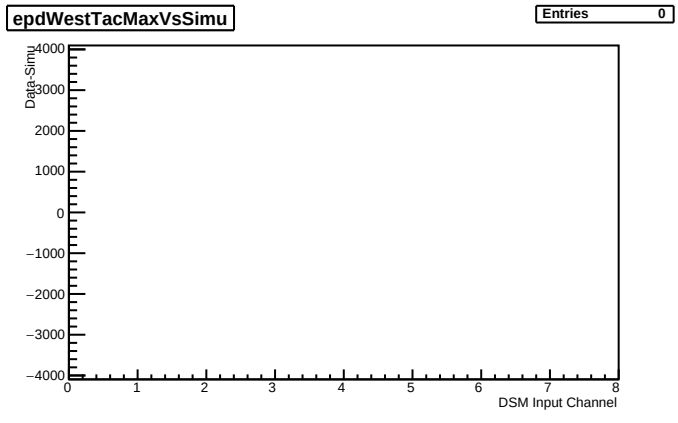
Entries 2819704
TAC
DSM Input Channel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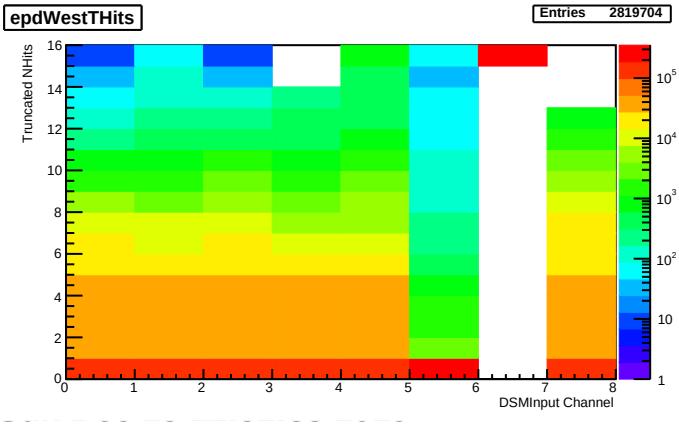
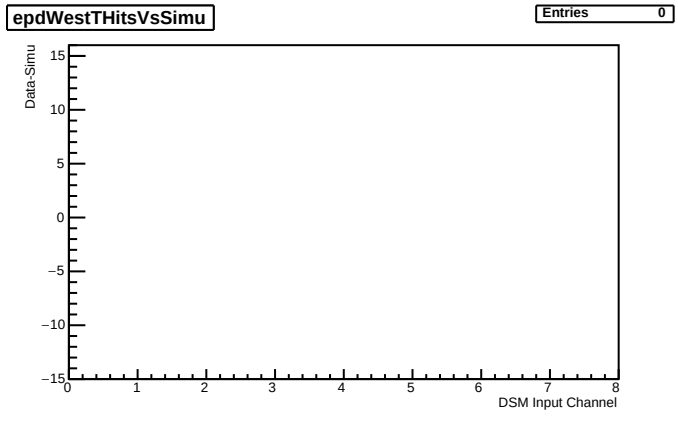
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2819704
Truncated NHits
DSMInput Channel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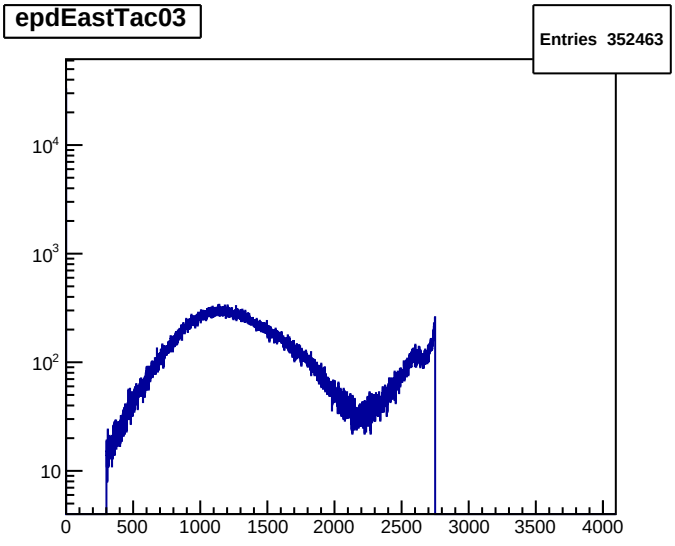
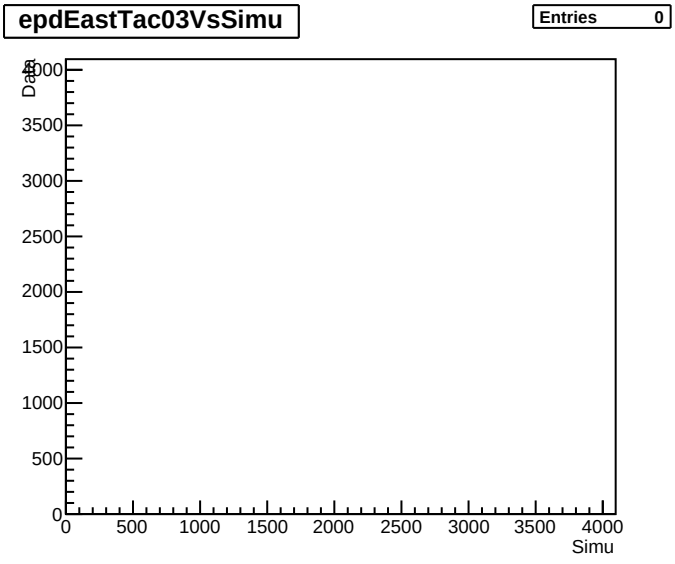
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 352463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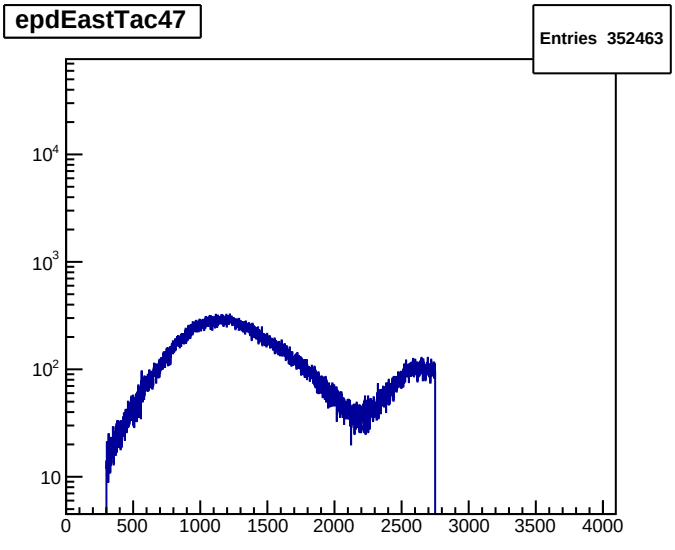
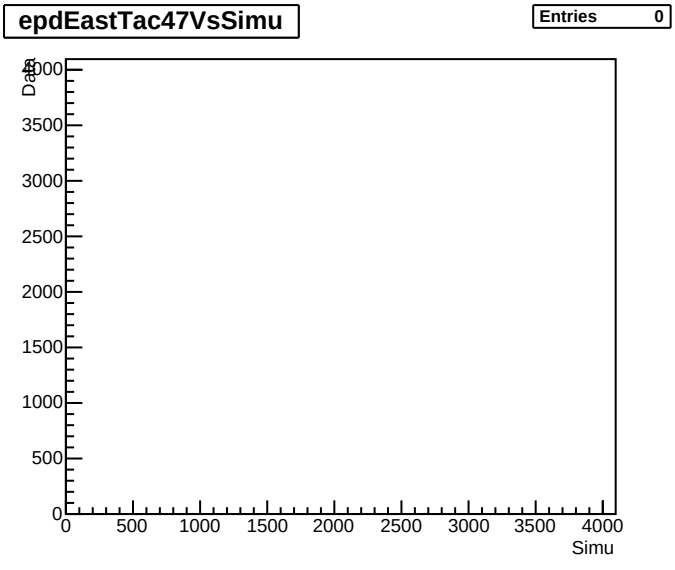
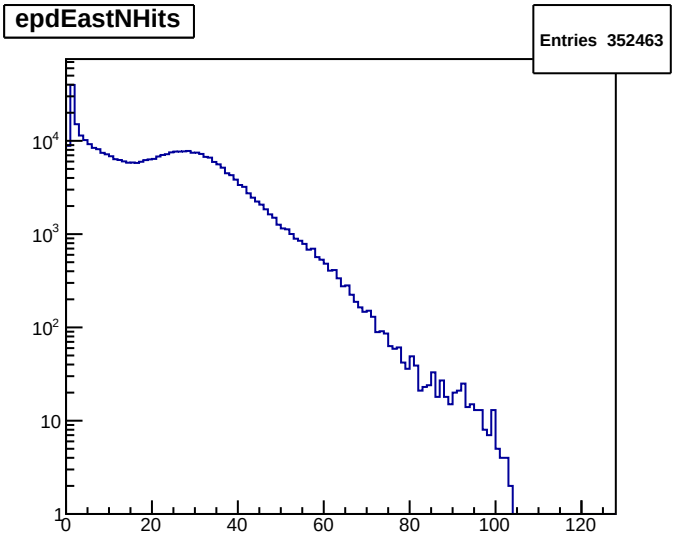
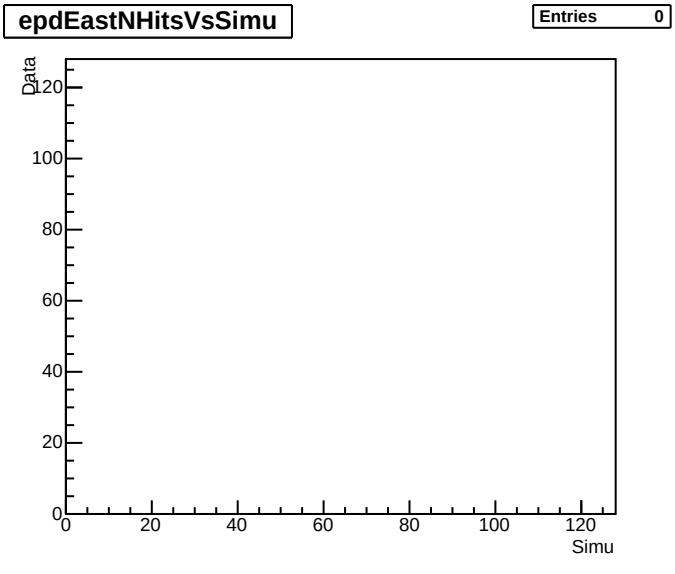
Entries 0
Data
Simu


epdEastTac47
Entries 352463


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 352463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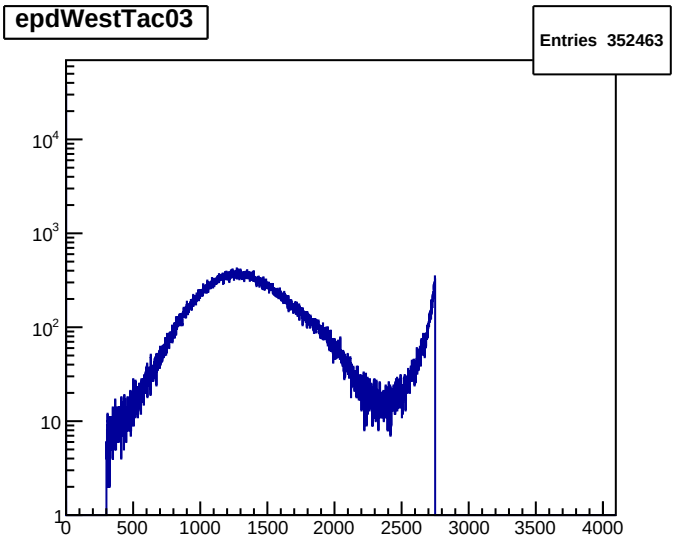
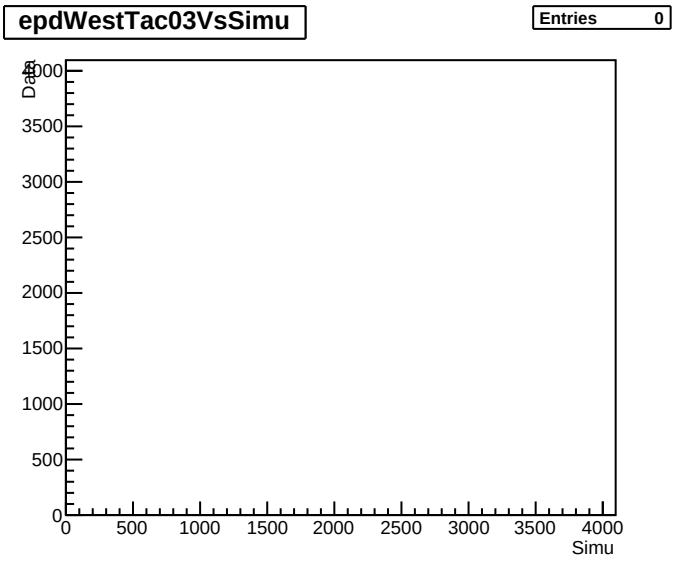
Entries 0
Data
Simu


epdWestTac03
Entries 352463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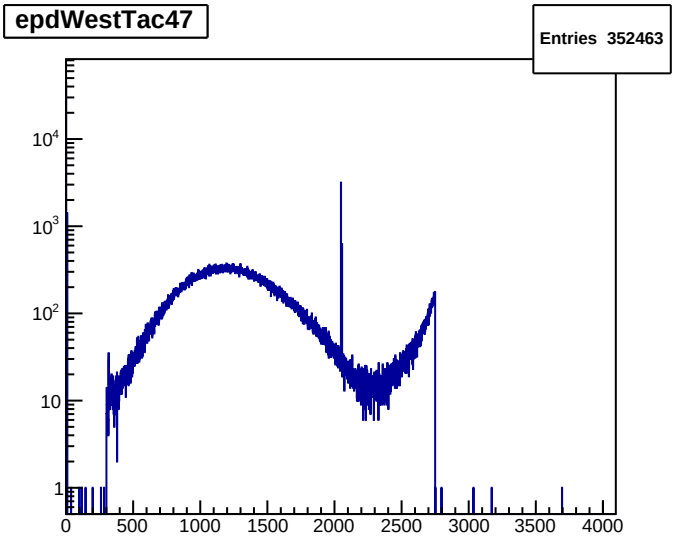
Entries 0
Data
Simu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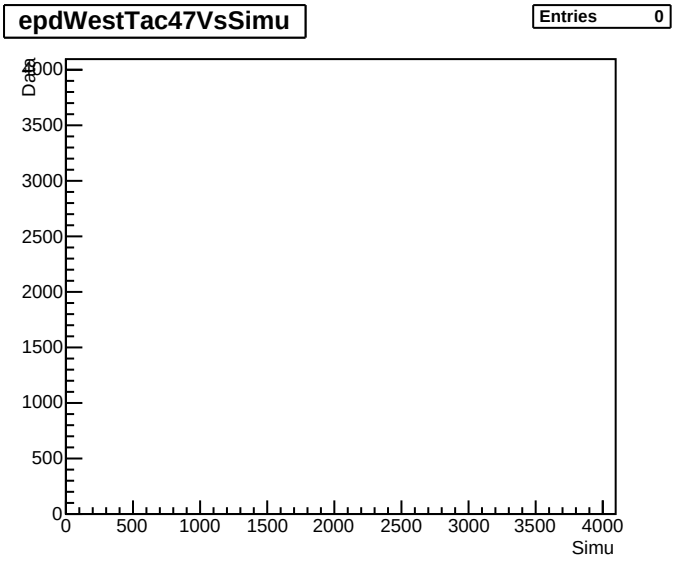
Entries 352463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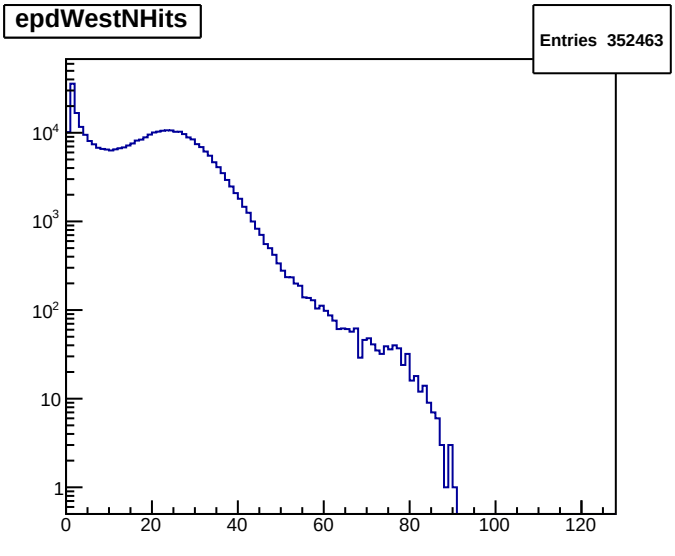
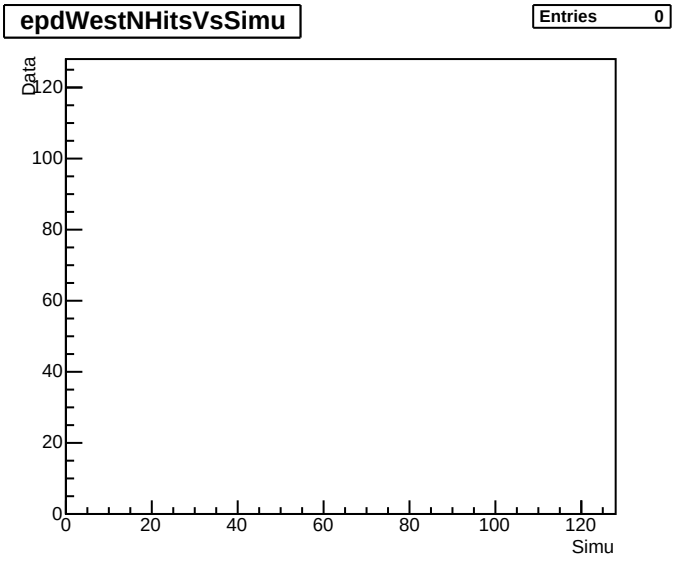
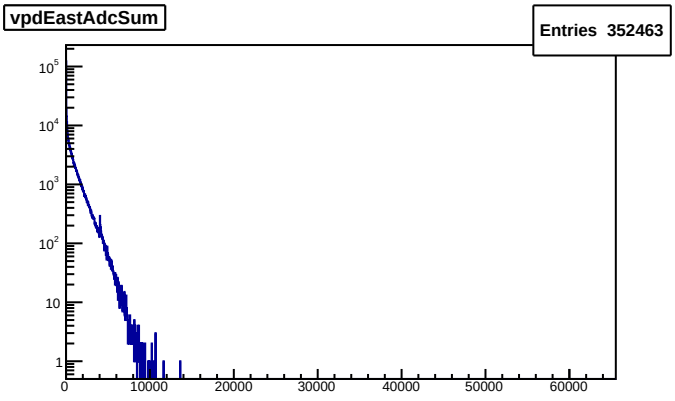
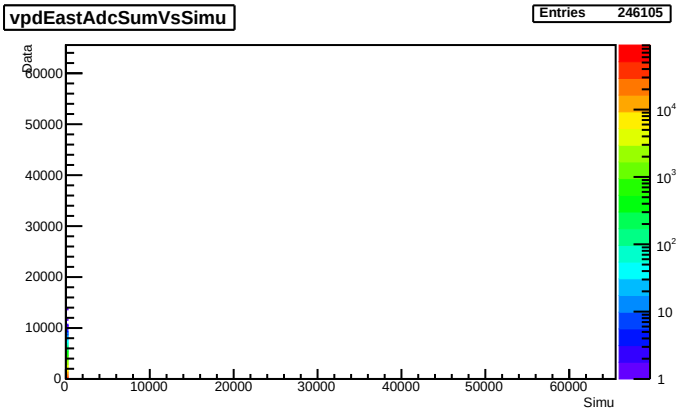
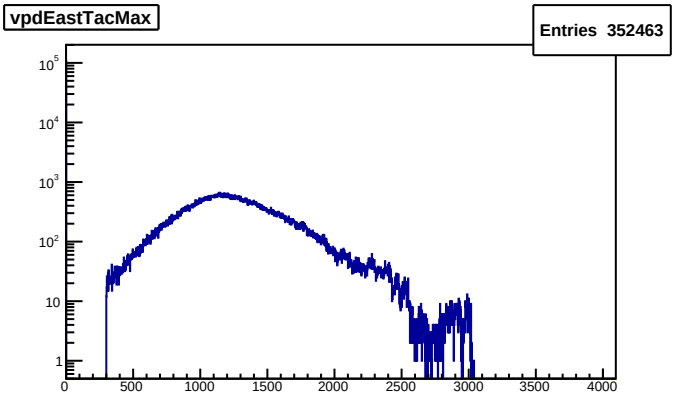
Entries 0
Data
Simu

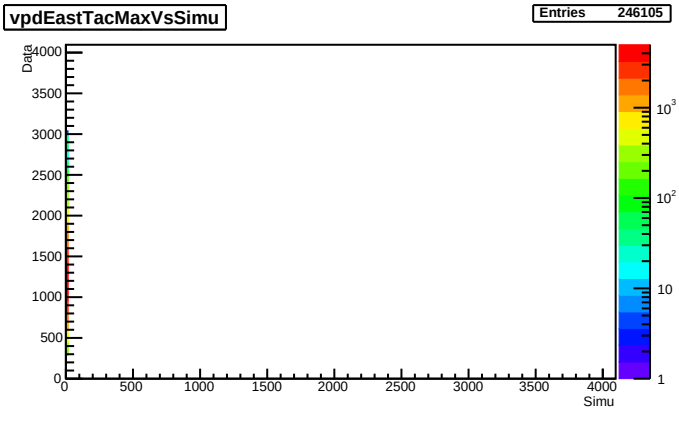

epdWestNHits
Entries 352463

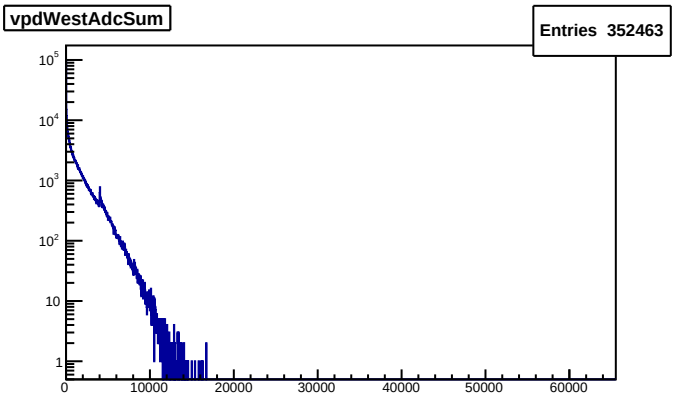

epdWestNHitsVsSimu
Entries 0
Data
Simu

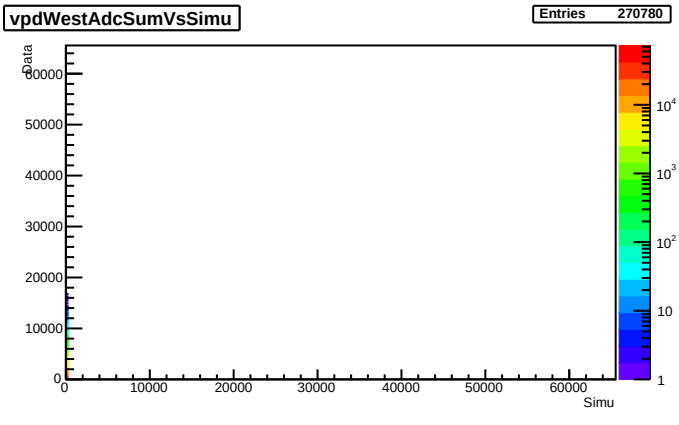

vpdEastAdcSum
Entries 352463

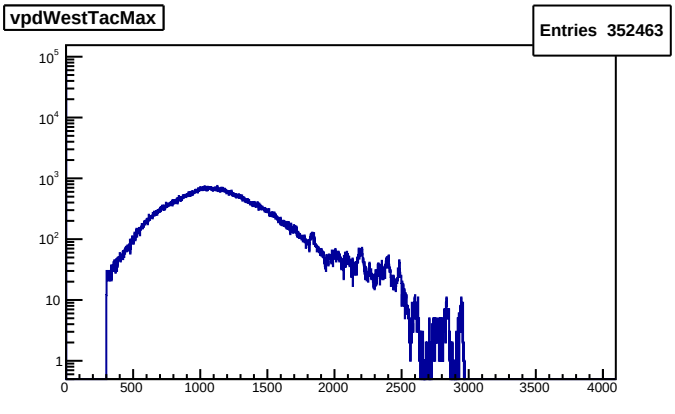

vpdEastAdcSumVsSimu
Entries 246105
Data
Simu

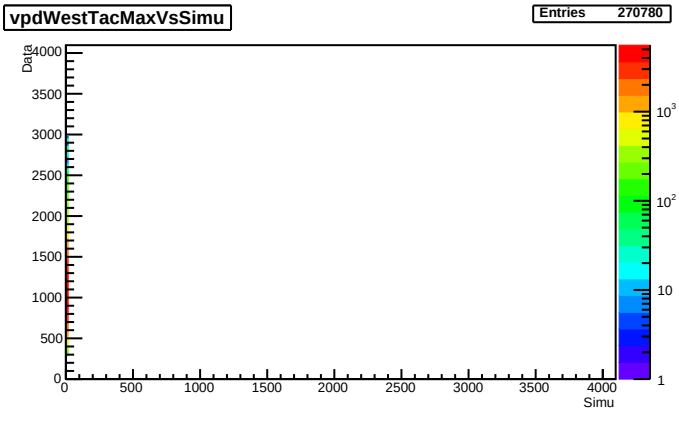

vpdEastTacMax
Entries 352463

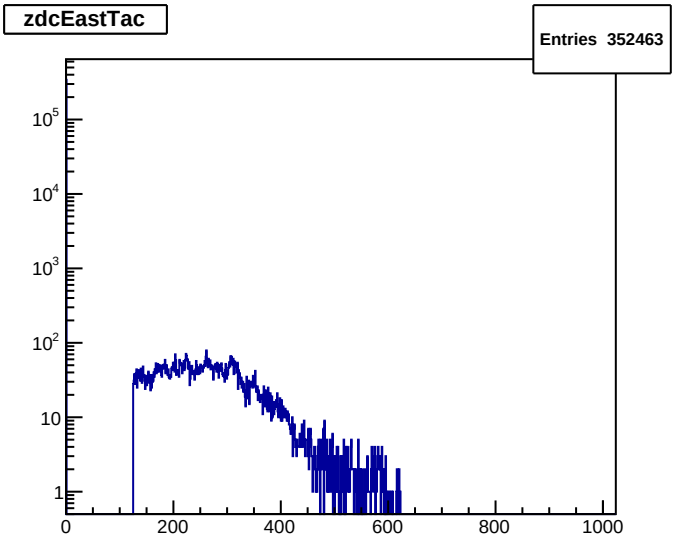

vpdEastTacMaxVsSimu
Entries 246105
Data
Simu

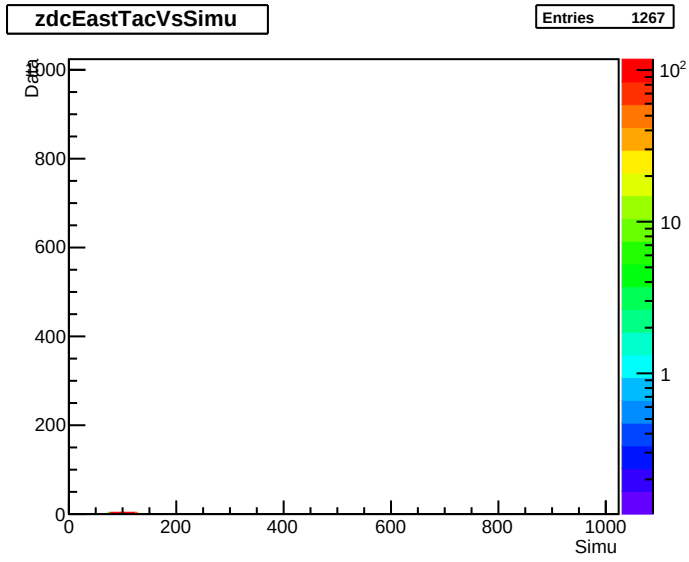

vpdWestAdcSum
Entries 352463

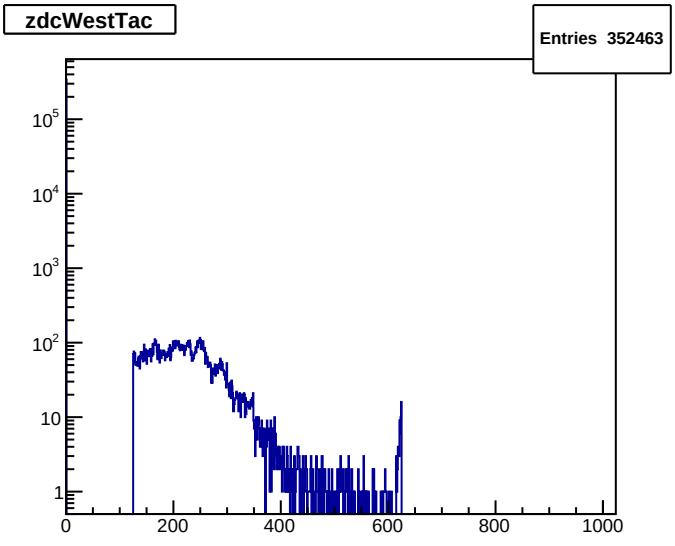

vpdWestAdcSumVsSimu
Entries 270780
Data
Simu

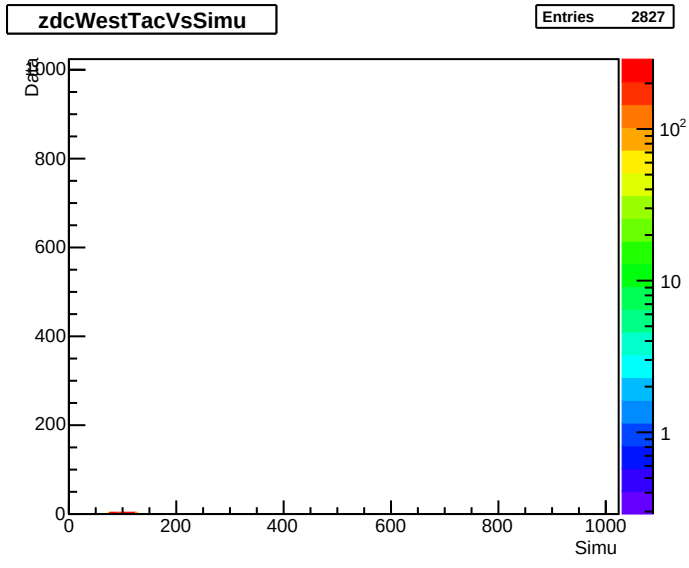

vpdWestTacMax
Entries 352463

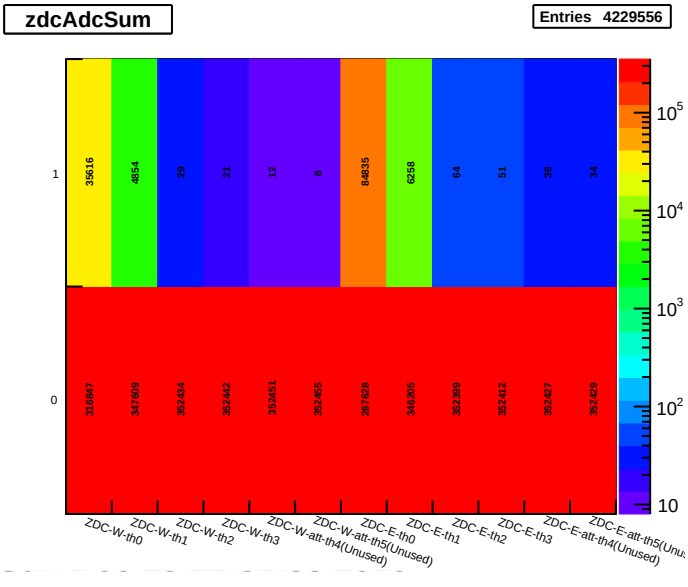

vpdWestTacMaxVsSimu
Entries 270780
Data
Simu

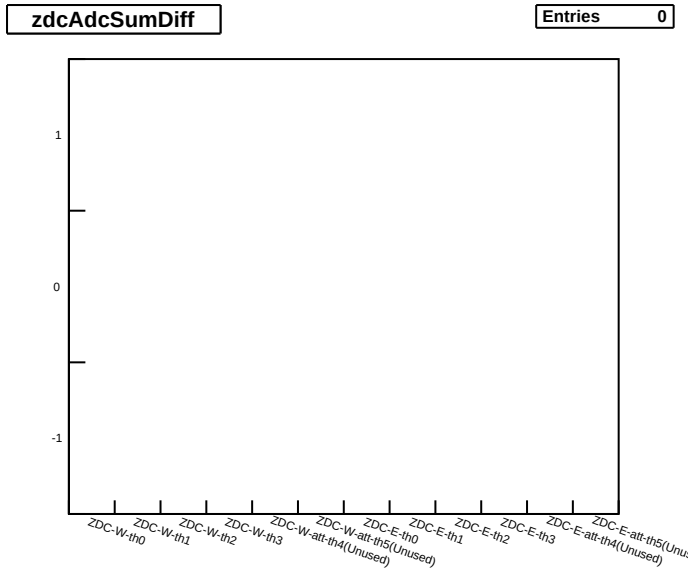

zdcEastTac
Entries 352463

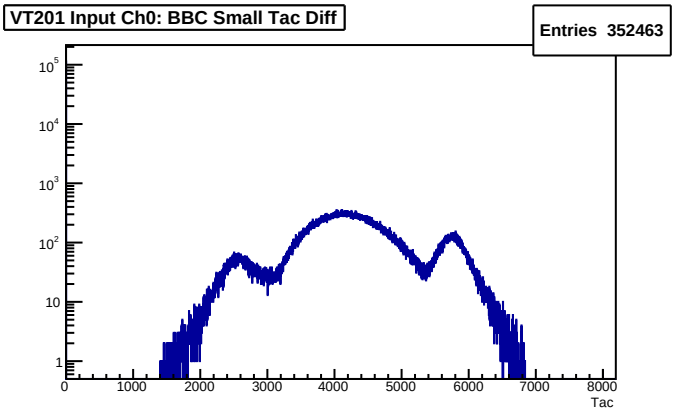

zdcEastTacVsSimu
Entries 1267
Data
Simu

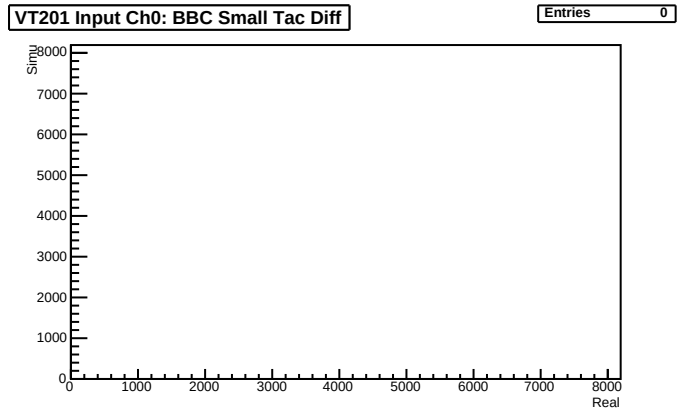

zdcWestTac
Entries 352463

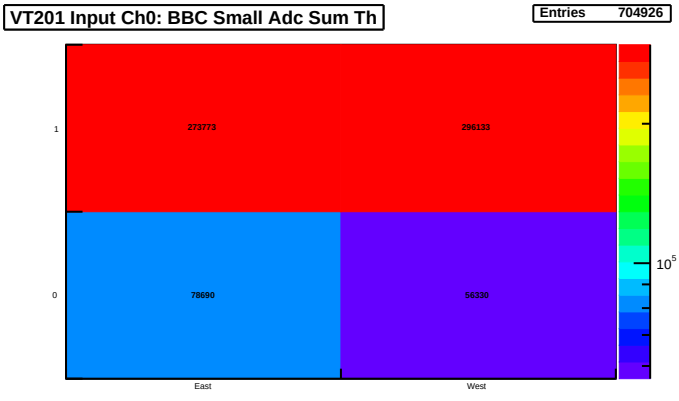

zdcWestTacVsSimu
Entries 2827
Data
Simu

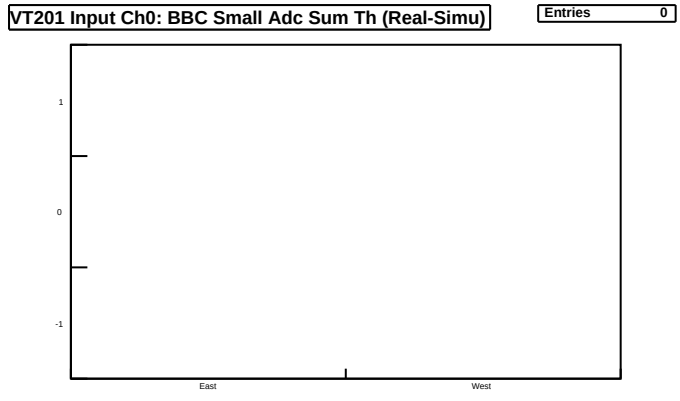

zdcAdcSum
Entries 4229556
35616
4854
29
21
12
8
84835
6258
64
51
36
34
316847
347609
352434
352442
352451
352455
267628
346205
352399
352412
352427
352429
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

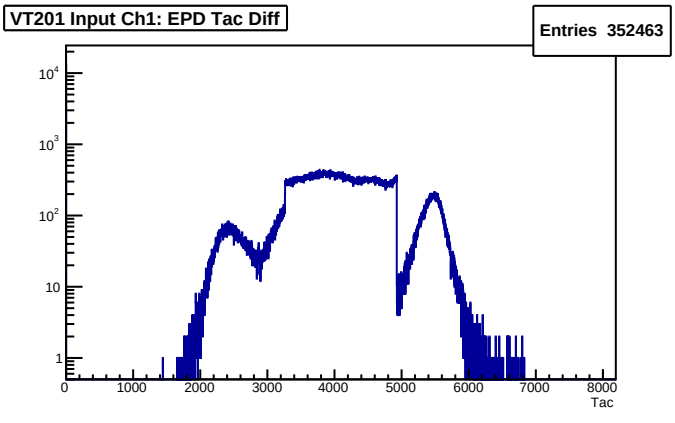

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

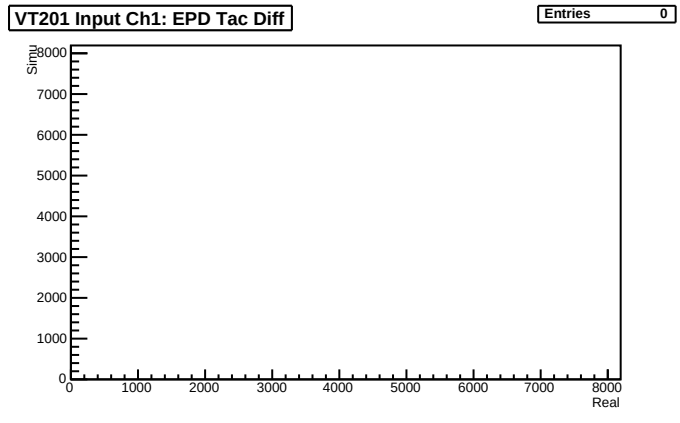

VT201 Input Ch0: BBC Small Tac Diff
Entries 352463
Tac

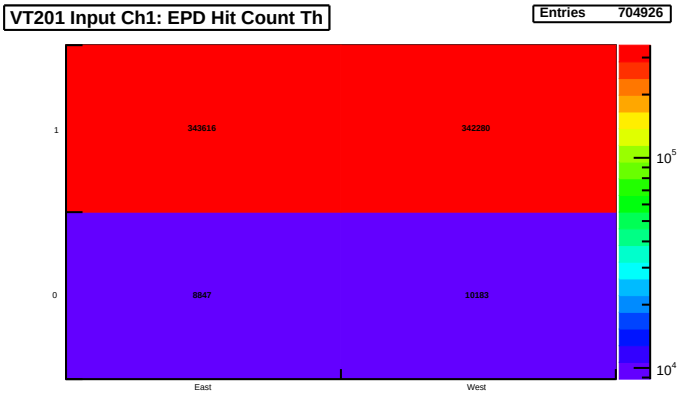

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

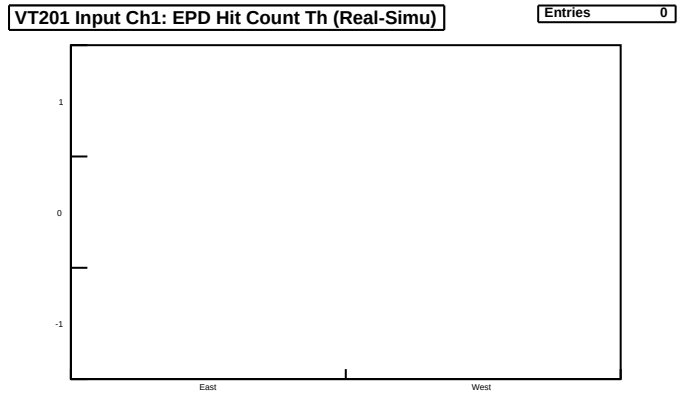

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 704926
273773
296133
78690
56330
East
West

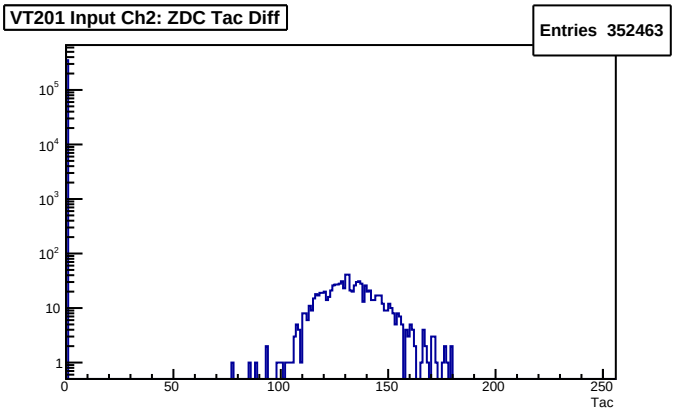

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

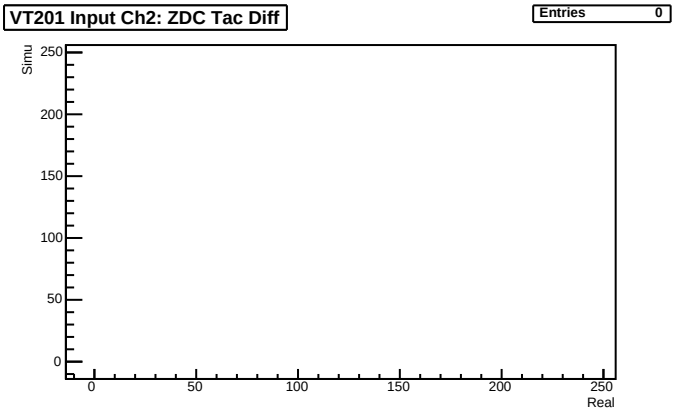

VT201 Input Ch1: EPD Tac Diff
Entries 352463
Tac

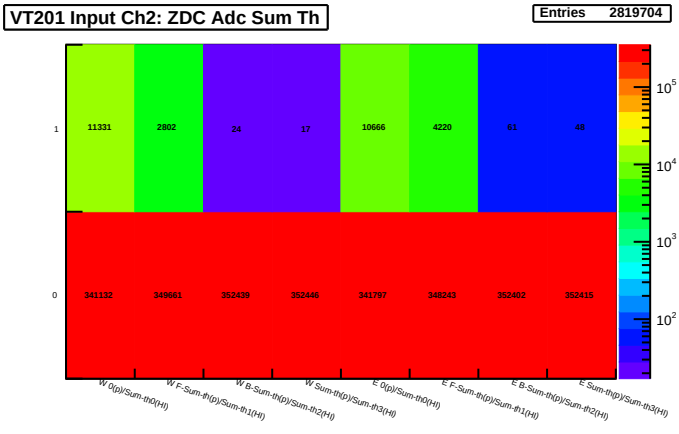

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

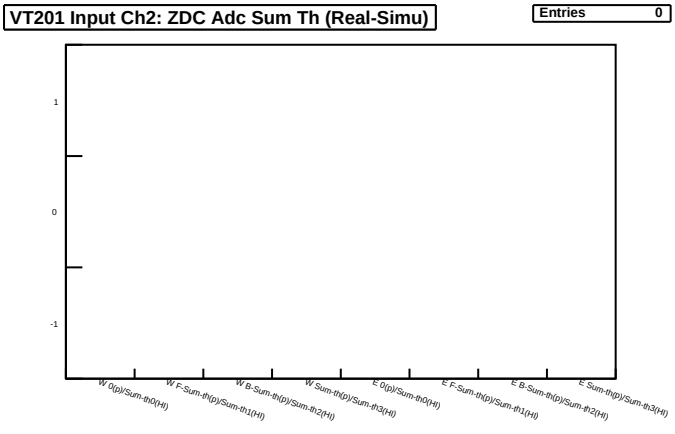

VT201 Input Ch1: EPD Hit Count Th
Entries 704926
343616
342280
8847
10183
East
West

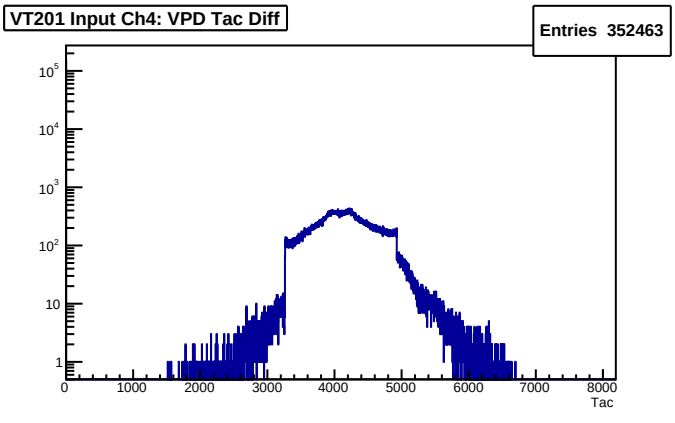

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

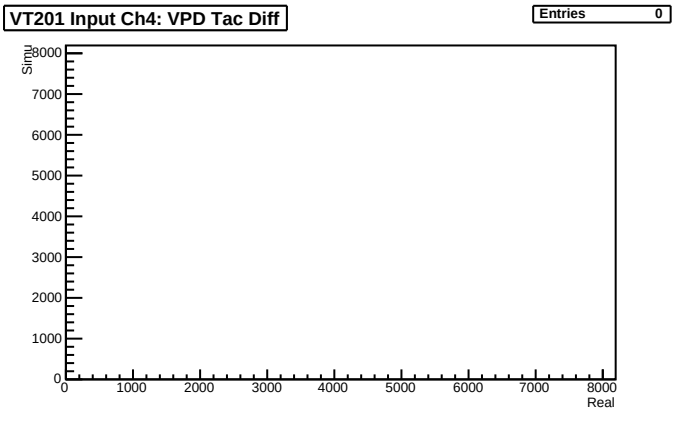

VT201 Input Ch2: ZDC Tac Diff
Entries 352463
Tac

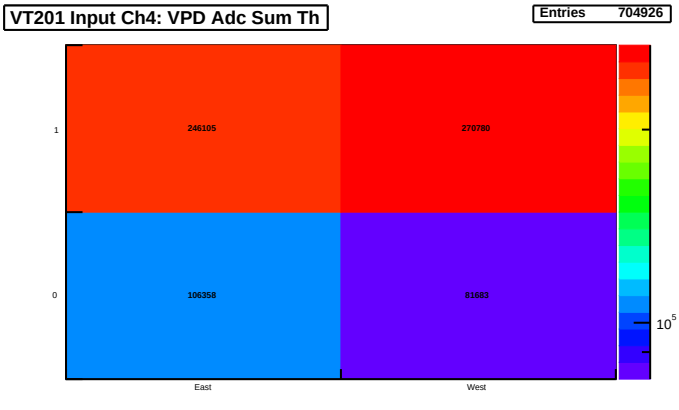

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

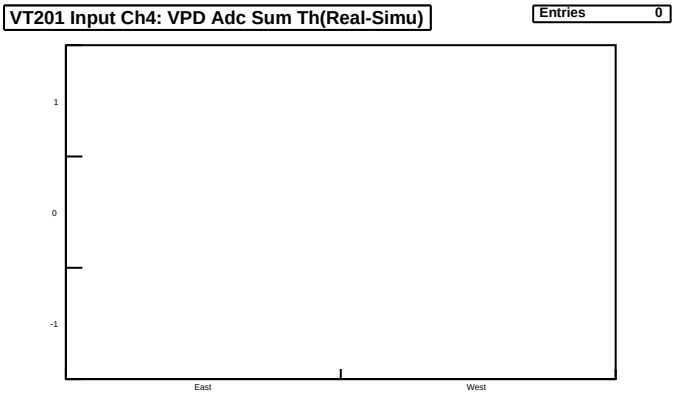

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2819704
11331
2802
24
17
10666
4220
61
48
341132
349661
352439
352446
341797
348243
352402
352415
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

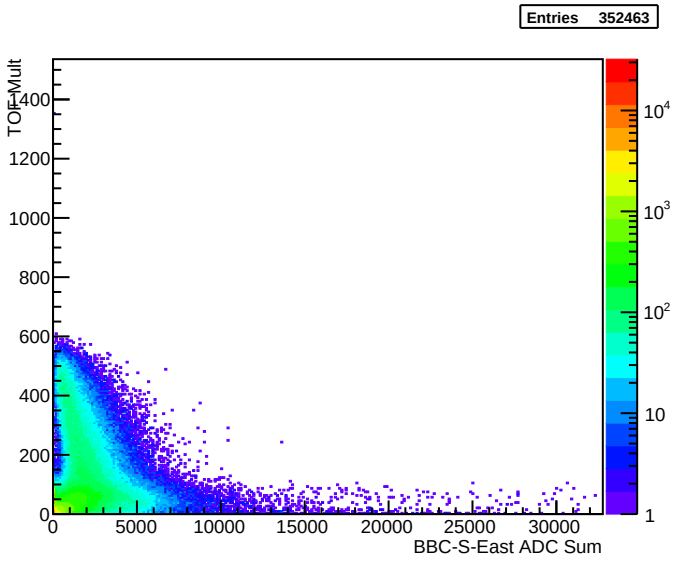

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

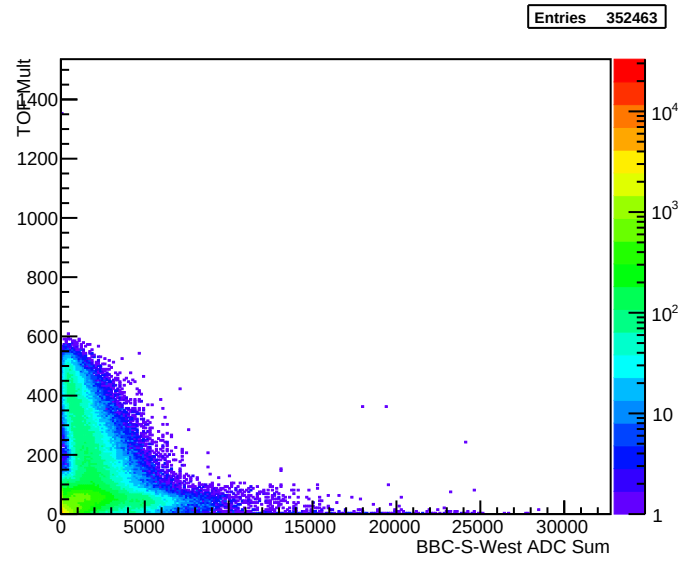

VT201 Input Ch4: VPD Tac Diff
Entries 352463
Tac

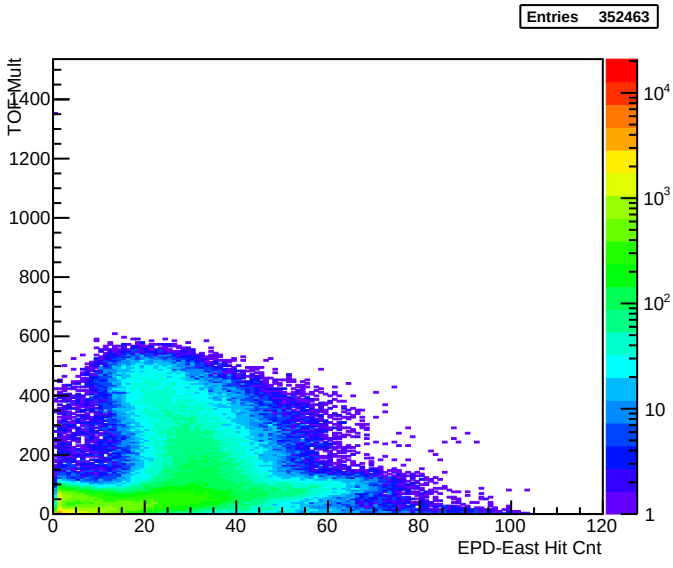

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

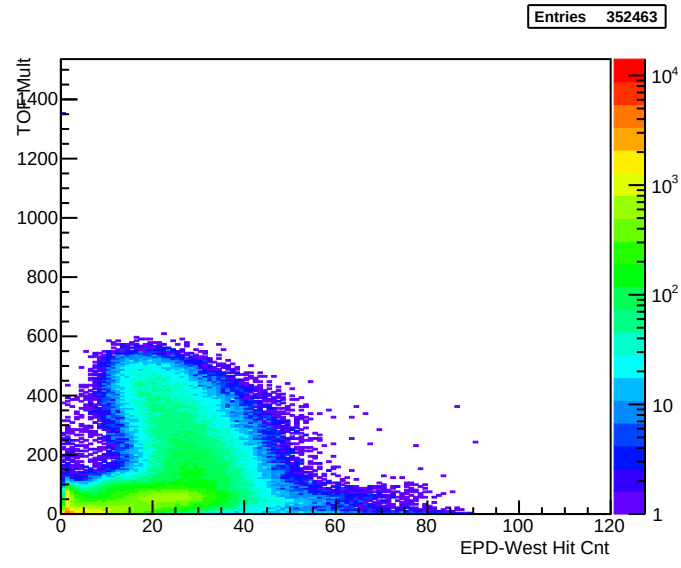

VT201 Input Ch4: VPD Adc Sum Th
Entries 704926
246105
270780
106358
81683
East
West

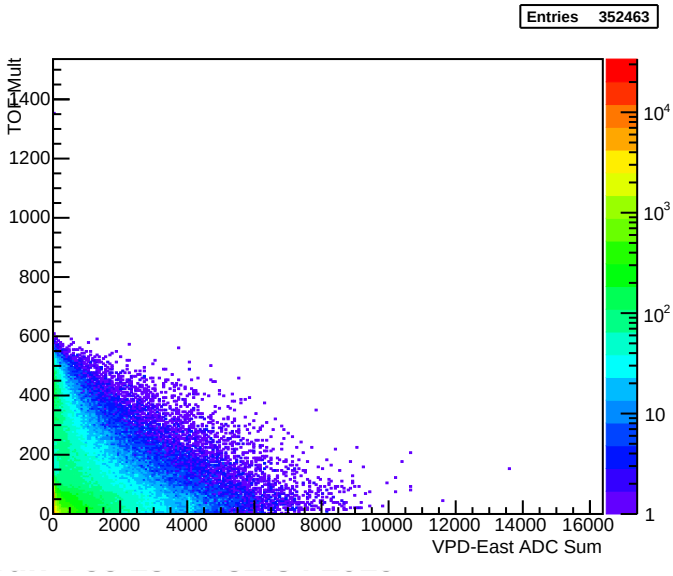

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

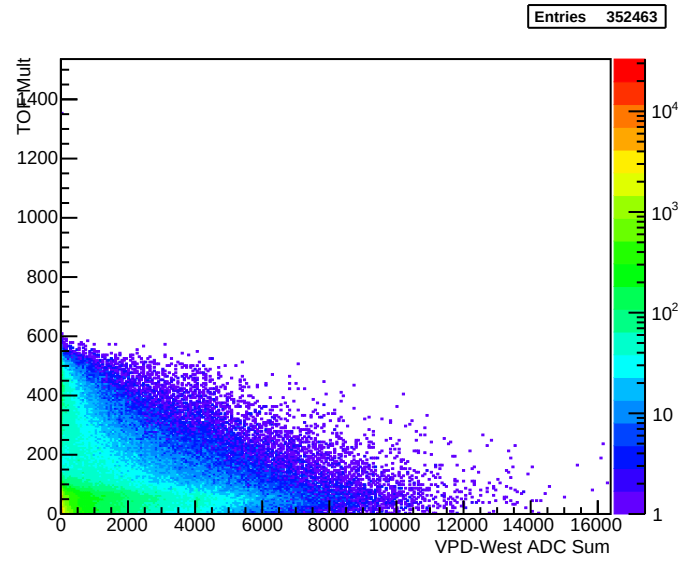

Entries 352463
TOF-Mult
BBC-S-East ADC Sum

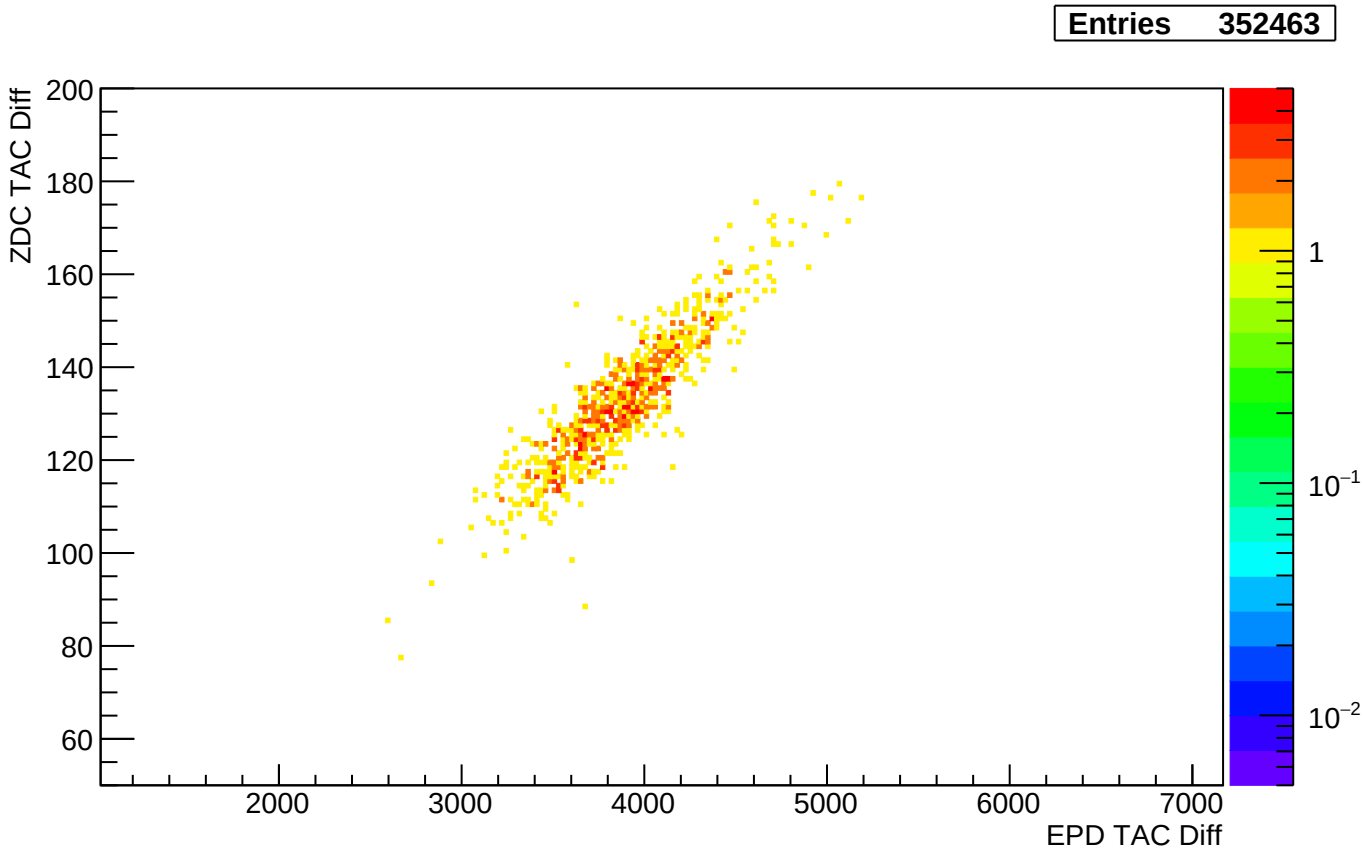

Entries 352463
TOF-Mult
BBC-S-West ADC Sum

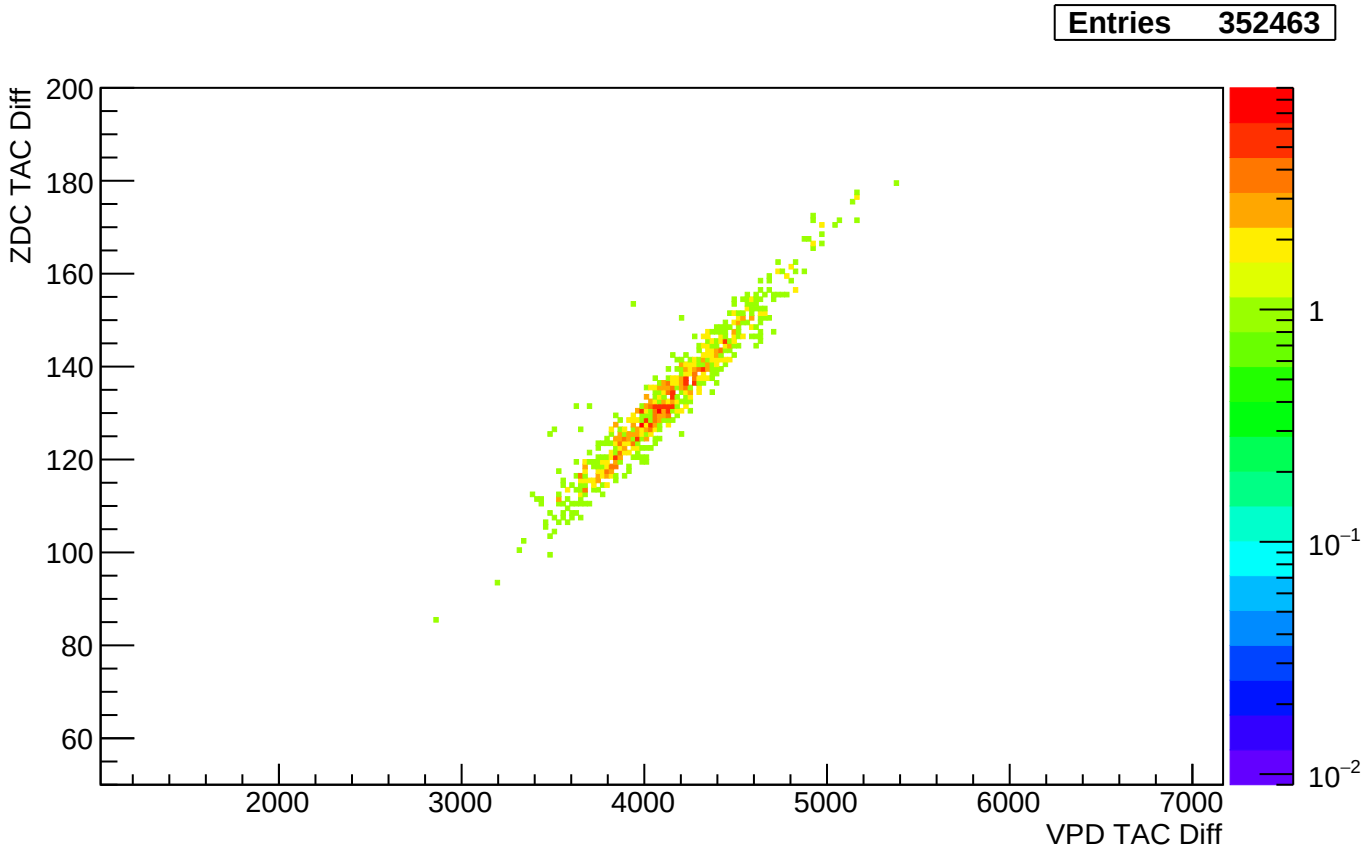

Entries 352463
TOF-Mult
EPD-East Hit Cnt

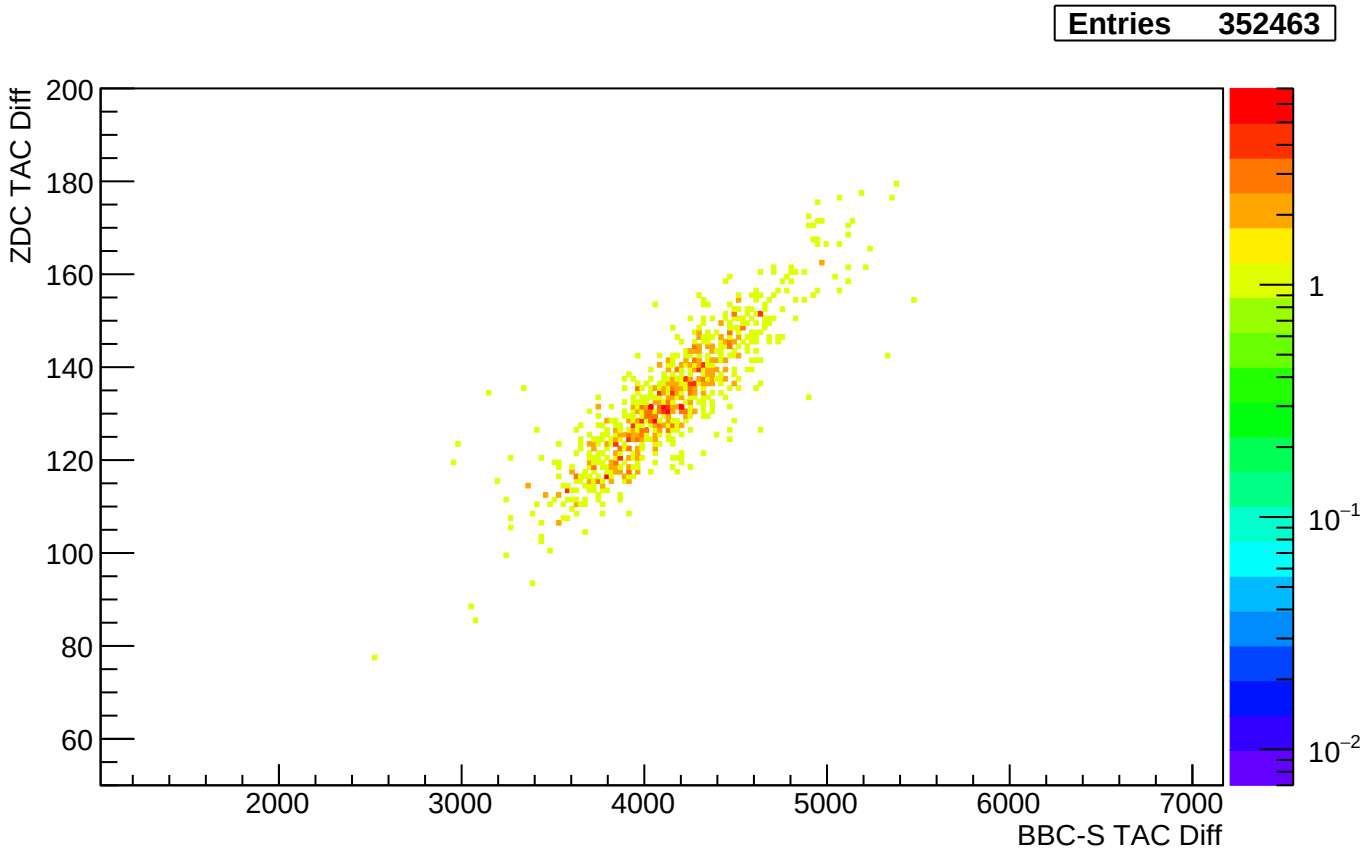

Entries 352463
TOF-Mult
EPD-West Hit Cnt

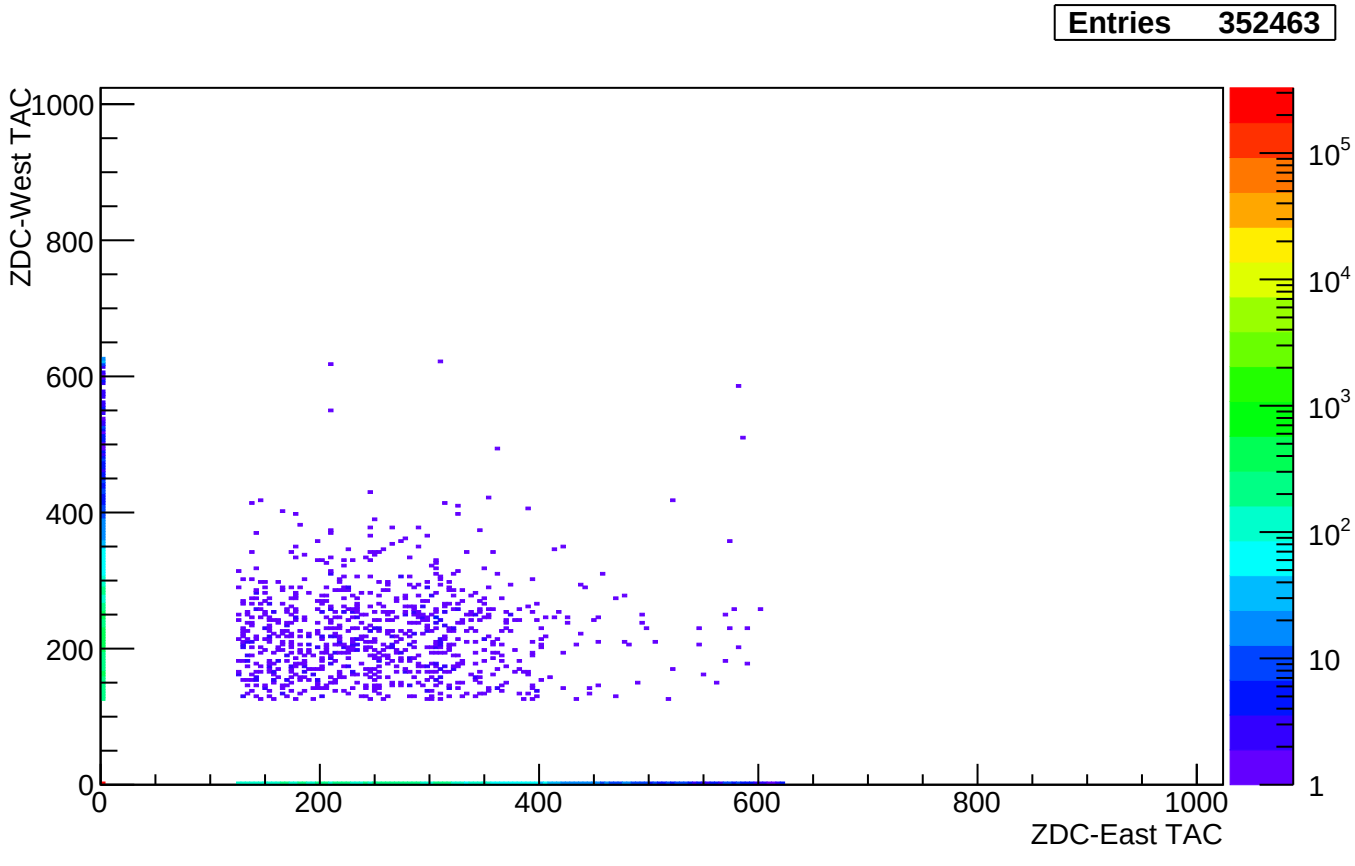

Entries 352463
TOF-Mult
VPD-East ADC Sum

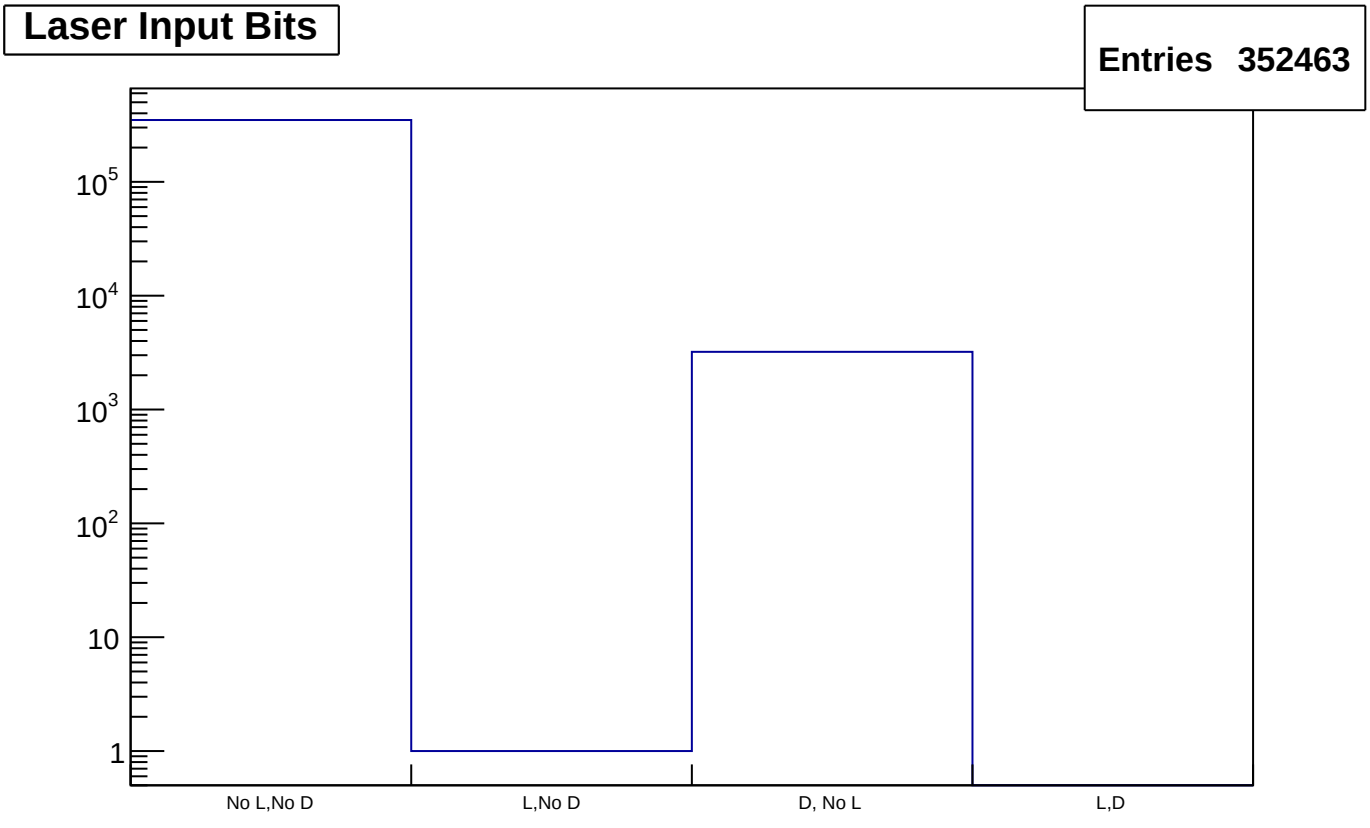

Entries 352463
TOF-Mult
VPD-West ADC Sum

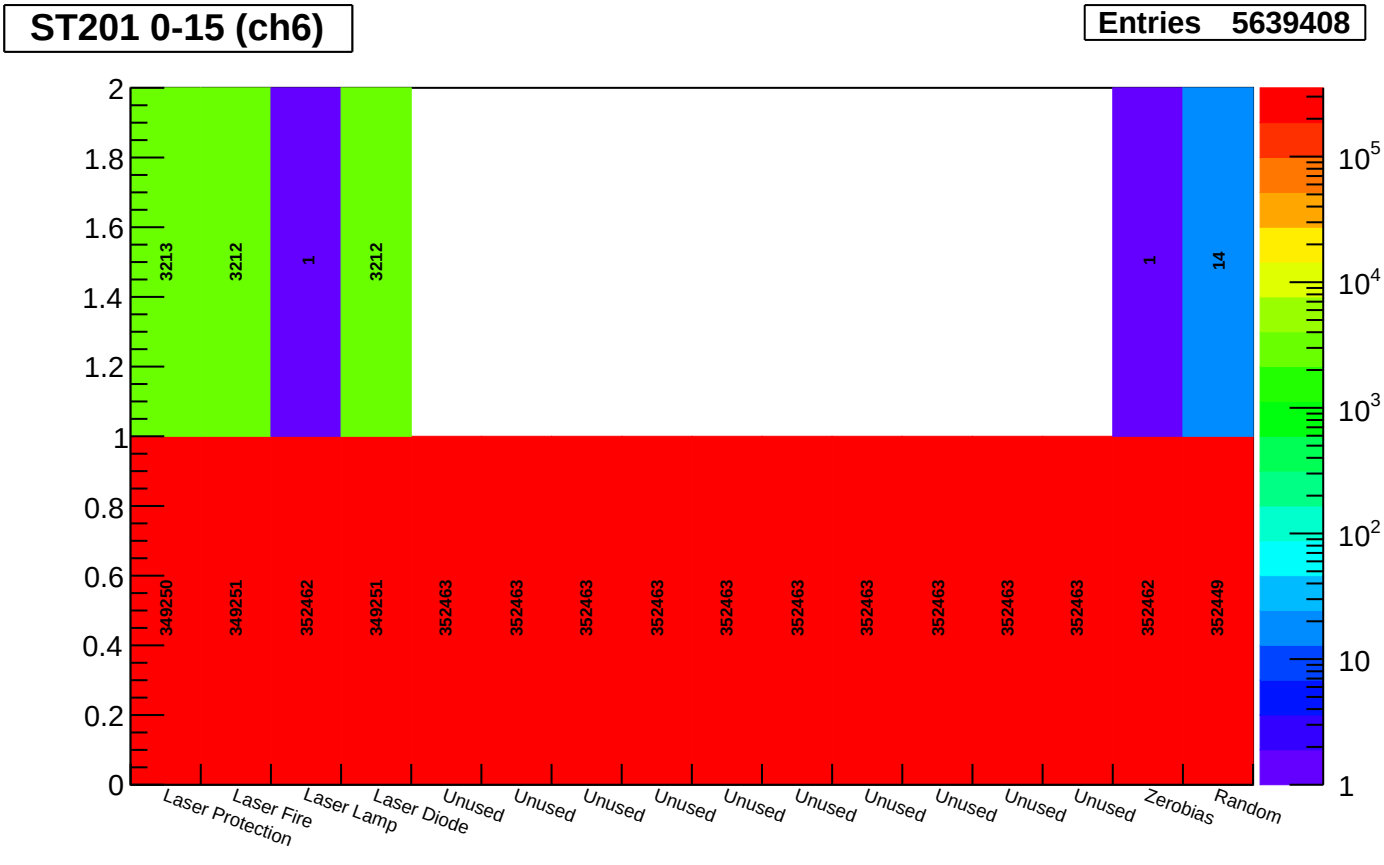

Entries 352463
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

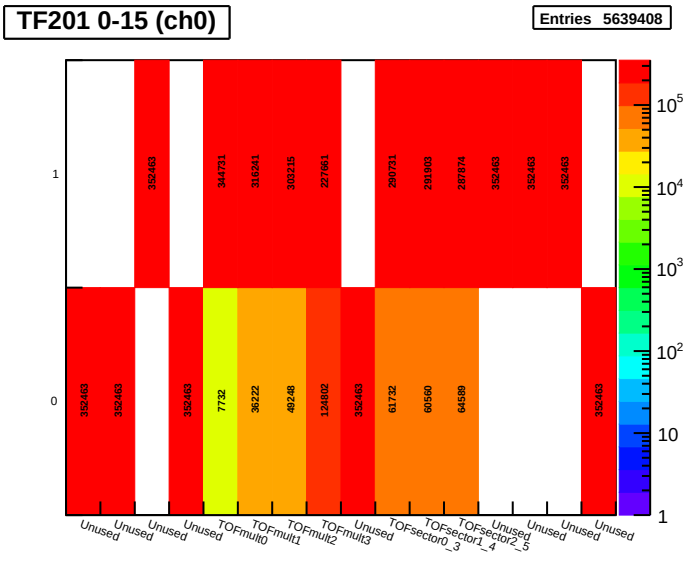

Entries 352463
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

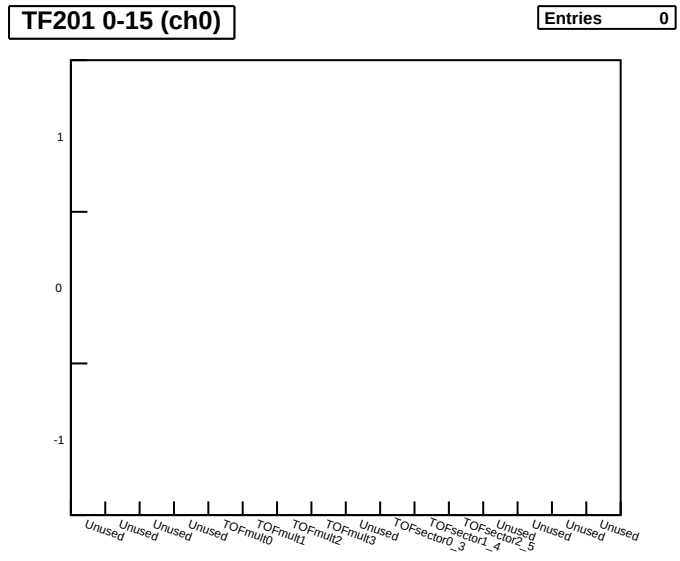

Entries 352463
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

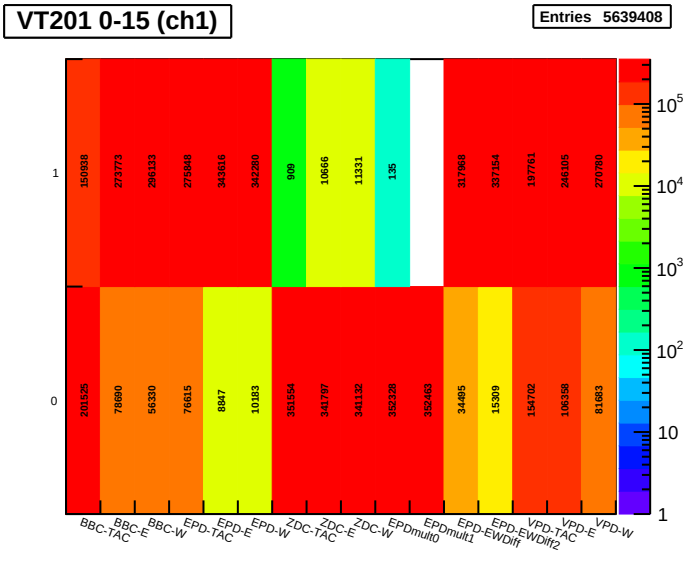

Entries 352463
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

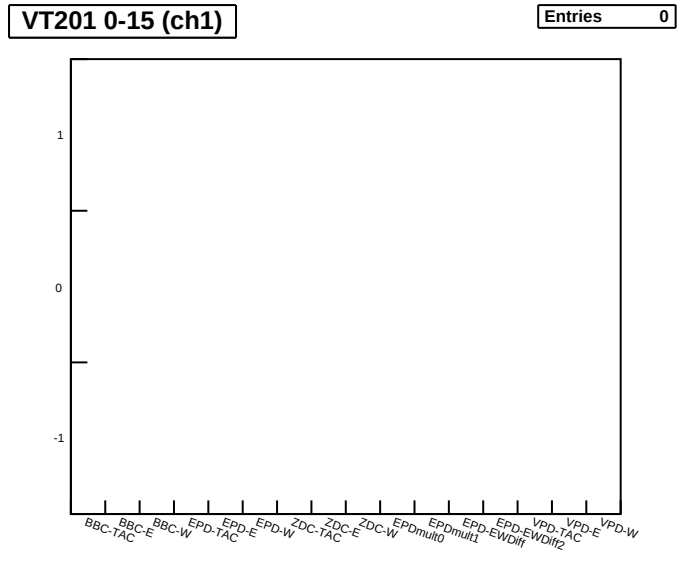

Laser Input Bits
Entries 352463
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

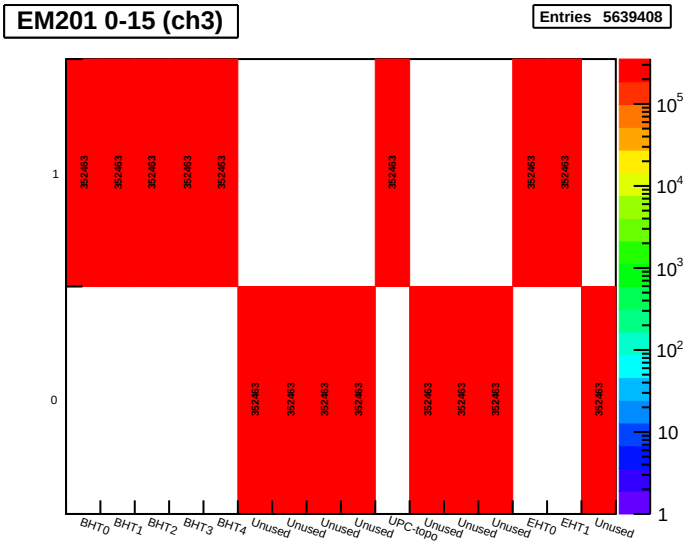

ST201 0-15 (ch6)
Entries 5639408
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3213
3212
1
3212
1
14
349250
349251
352462
349251
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352462
352449
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

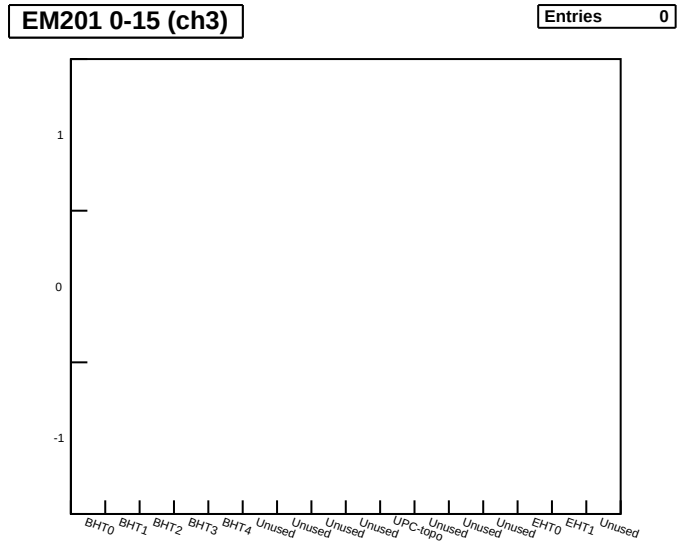

TF201 0-15 (ch0)
Entries 5639408
1
0
352463
344731
316241
303215
227661
290731
291903
287874
352463
352463
352463
352463
352463
7732
36222
49248
124802
352463
61732
60560
64589
352463
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 5639408
1
0
150938
273773
296133
275848
343616
342280
909
10666
11331
135
317968
337154
197761
246105
270780
201525
78690
56330
76615
8847
10183
351554
341797
341132
352328
352463
34495
15309
154702
106358
81683
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 5639408
1
0
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
352463
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