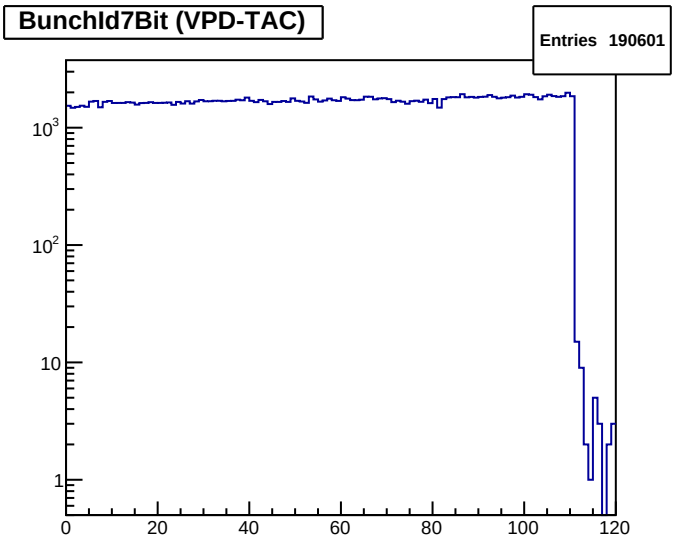
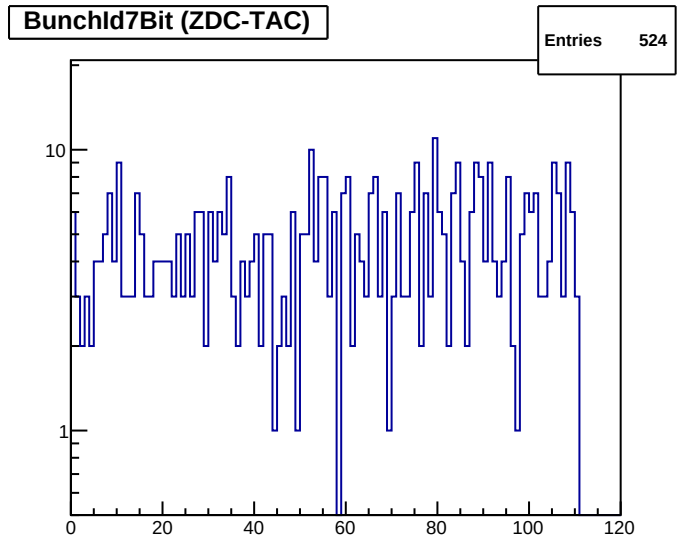
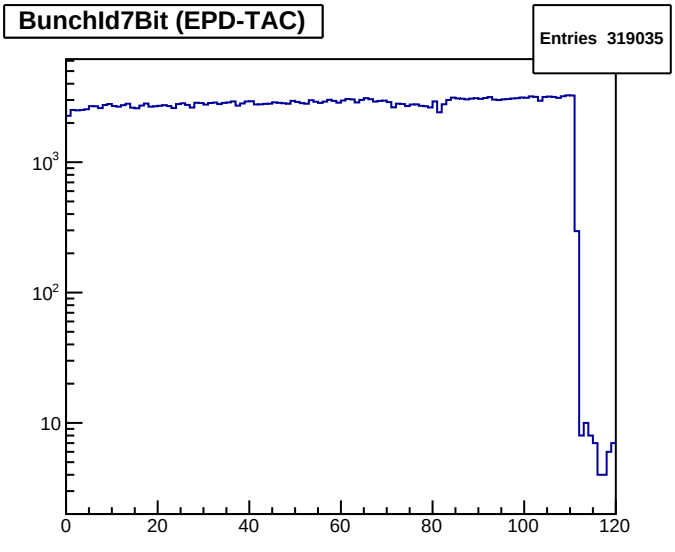
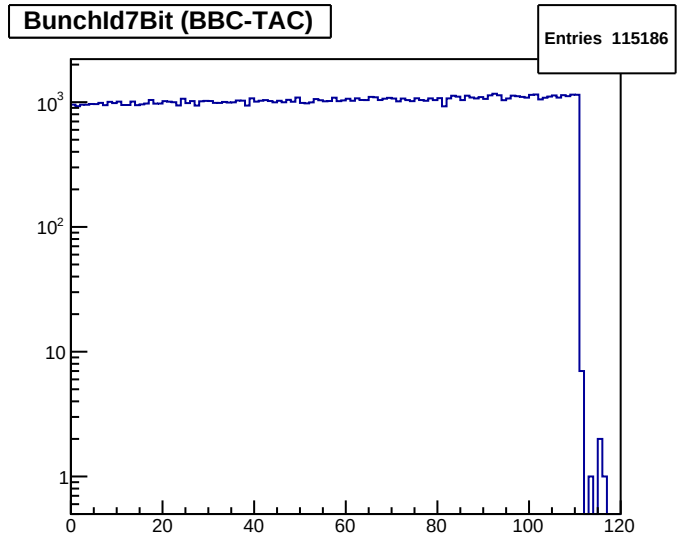
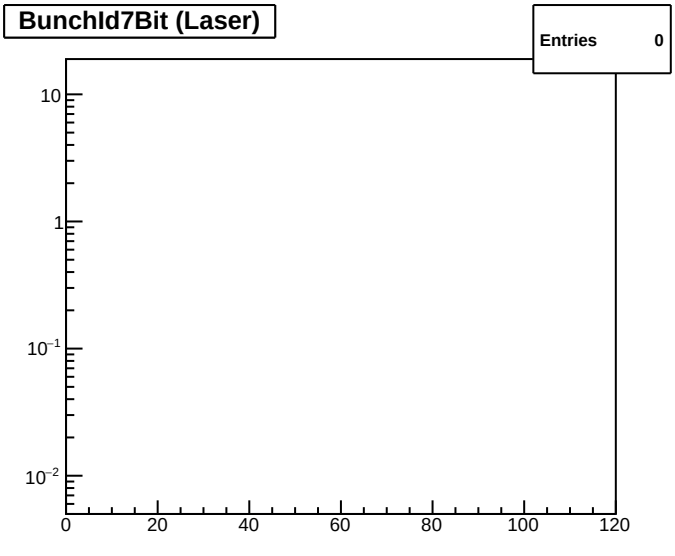
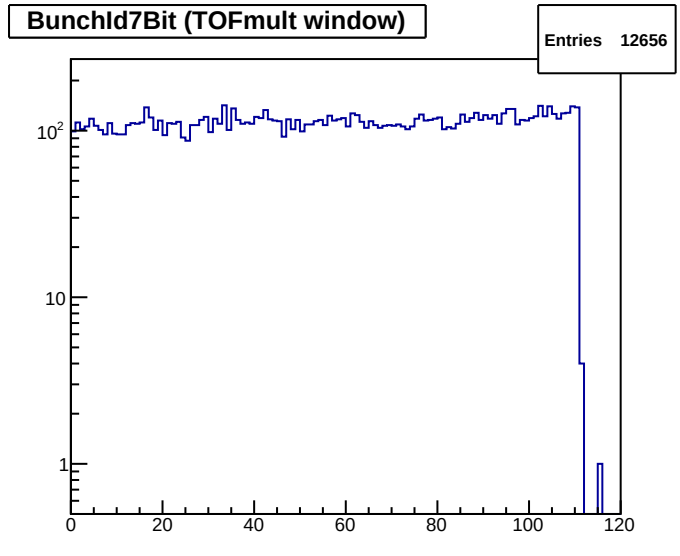

BunchId7Bit (VPD-TAC)
Entries 190601

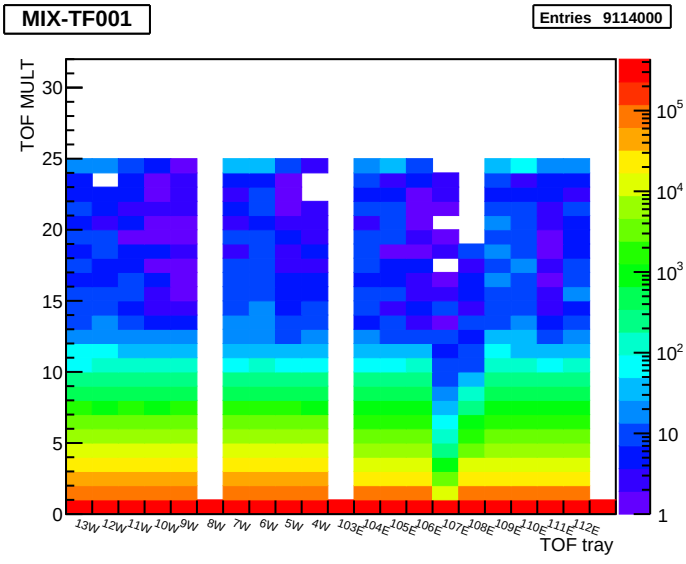

BunchId7Bit (ZDC-TAC)
Entries 524

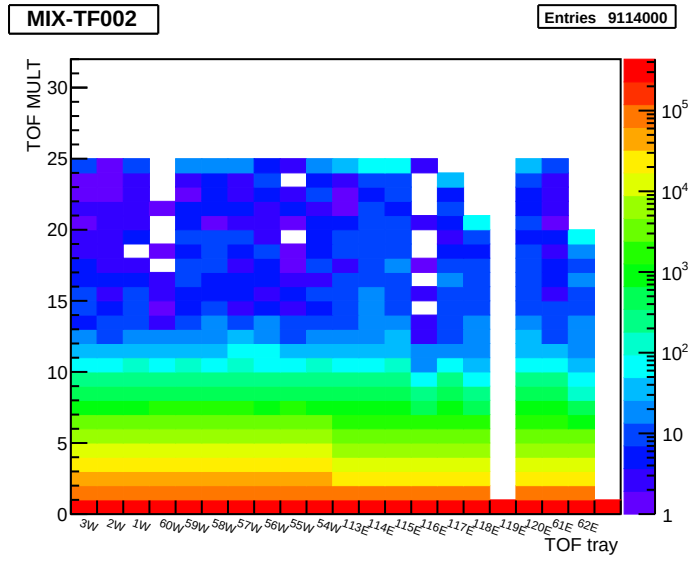

BunchId7Bit (EPD-TAC)
Entries 319035

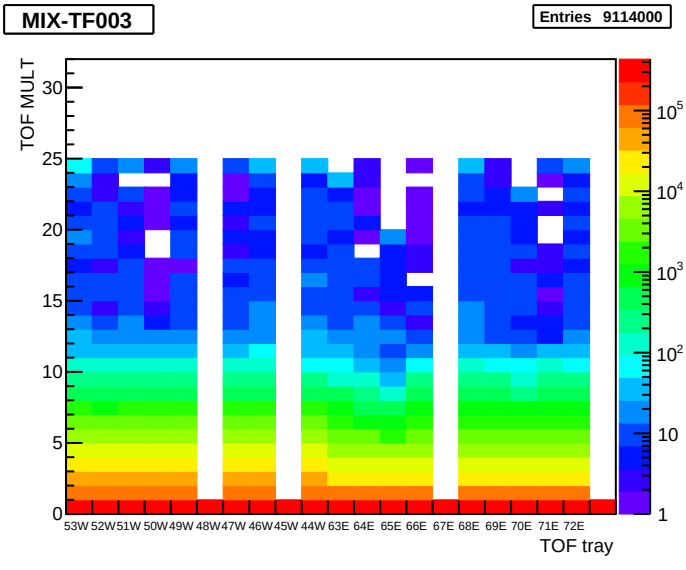

BunchId7Bit (BBC-TAC)
Entries 115186

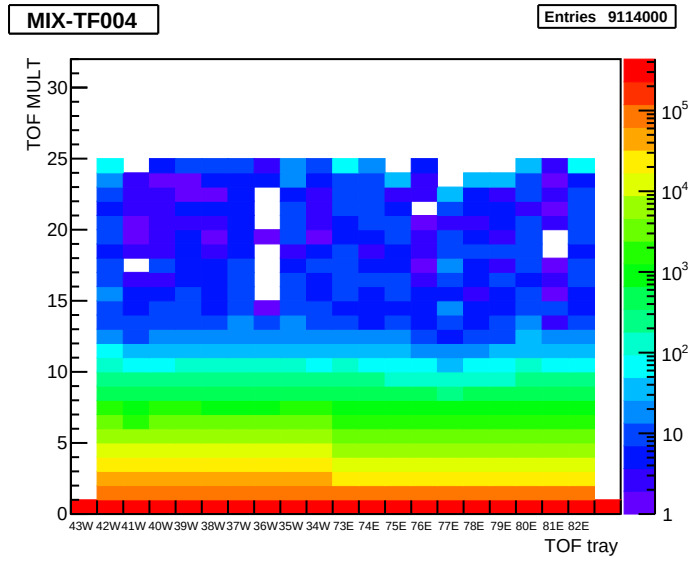

BunchId7Bit (Laser)
Entries 0

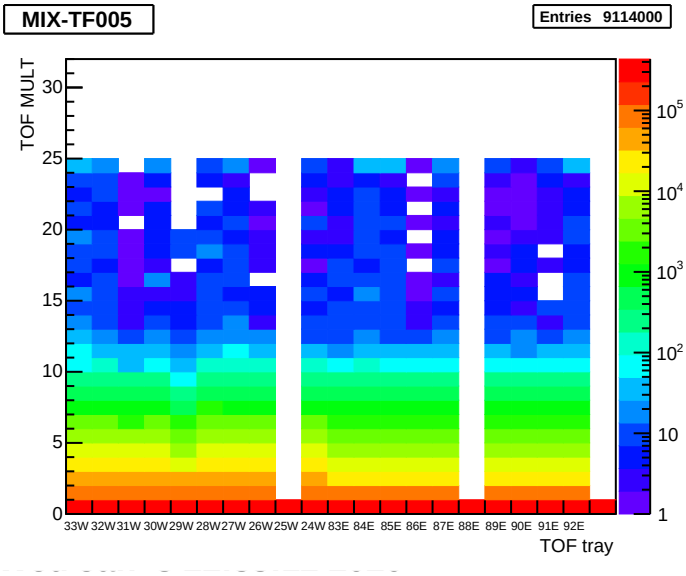

BunchId7Bit (TOFmult window)
Entries 12656

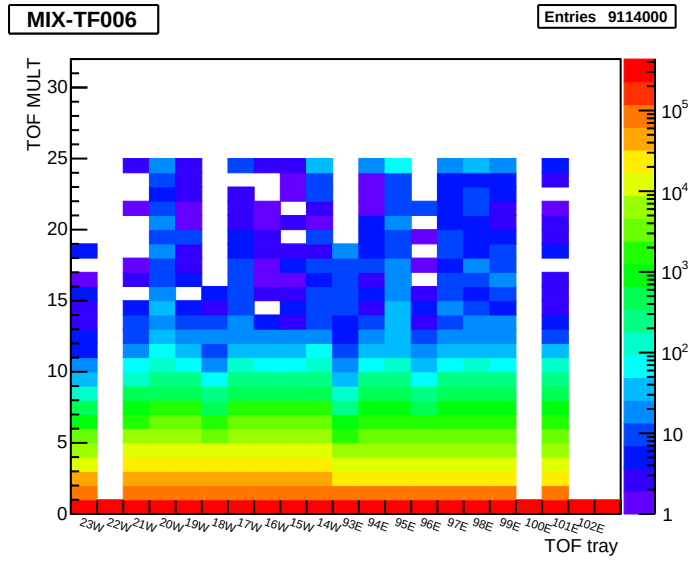

MIX-TF001
Entries 9114000
TOF MULT
TOF tray

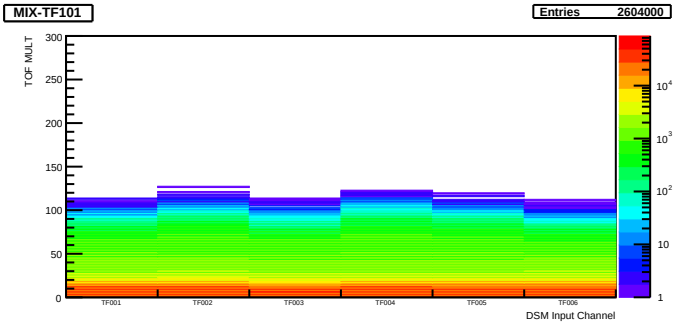

MIX-TF002
Entries 9114000
TOF MULT
TOF tray

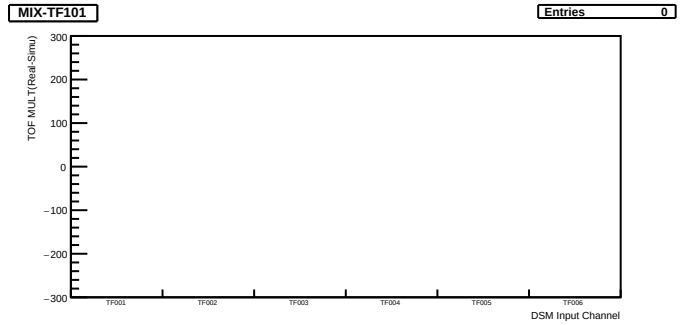

MIX-TF003
Entries 9114000
TOF MULT
TOF tray

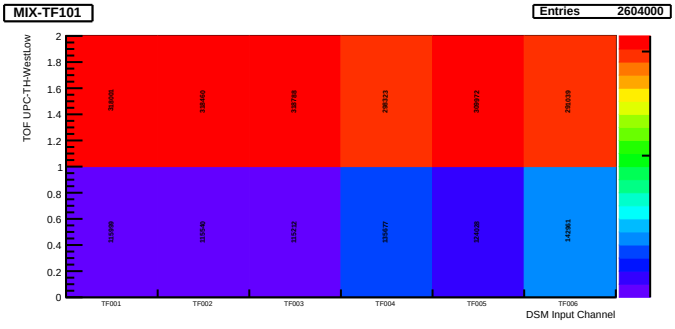

MIX-TF004
Entries 9114000
TOF MULT
TOF tray

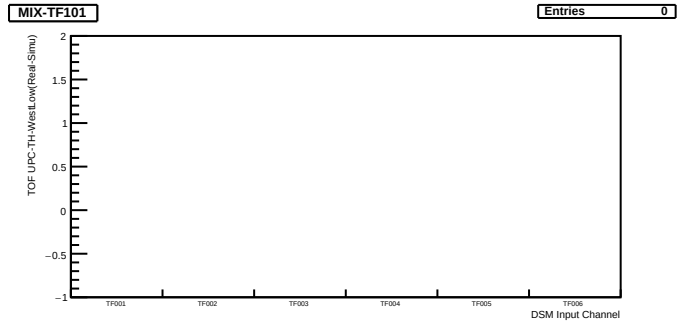

MIX-TF005
Entries 9114000
TOF MULT
TOF tray

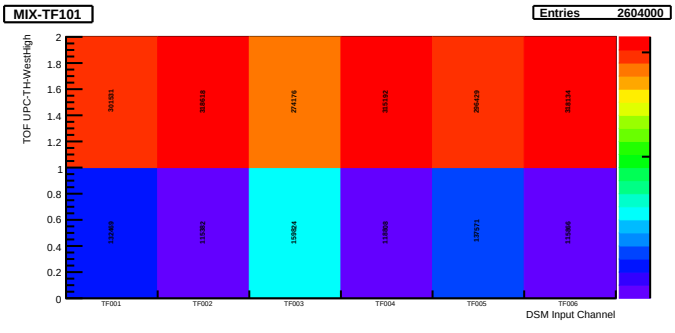

MIX-TF006
Entries 9114000
TOF MULT
TOF tray

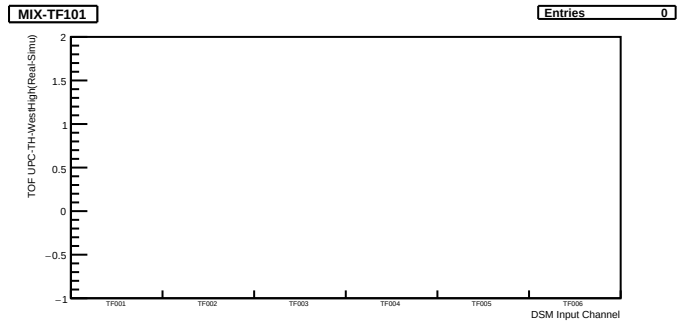

MIX-TF101
Entries 2604000
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

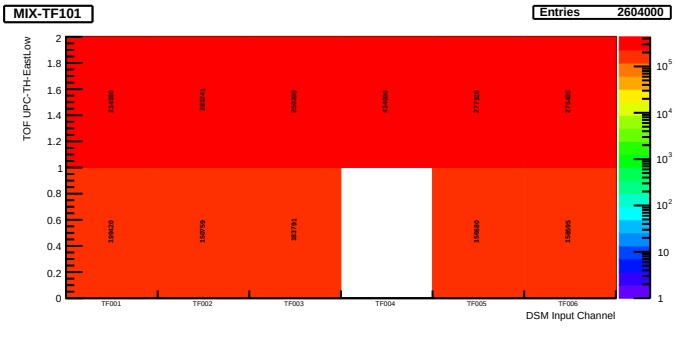

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

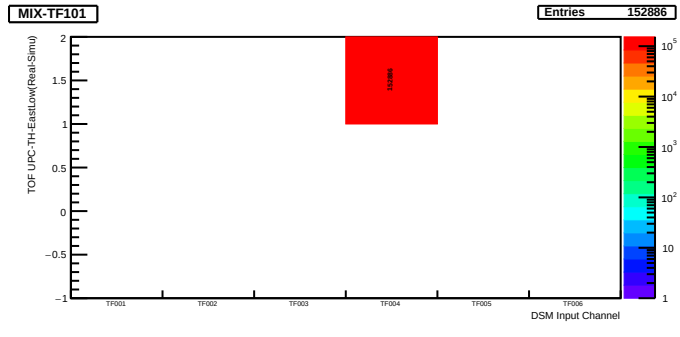

MIX-TF101
Entries 2604000
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

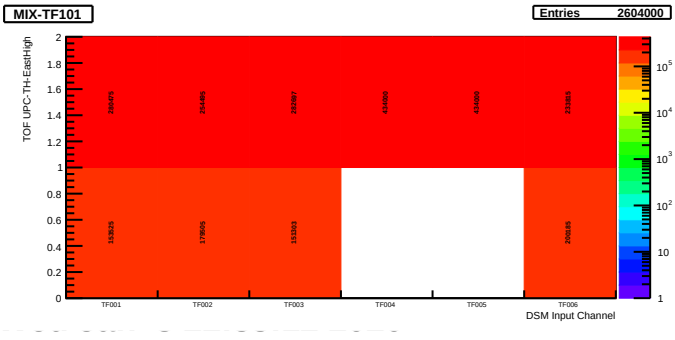

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

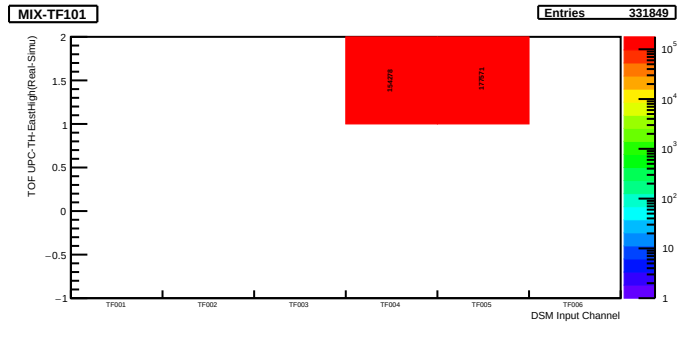

MIX-TF101
Entries 2604000
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

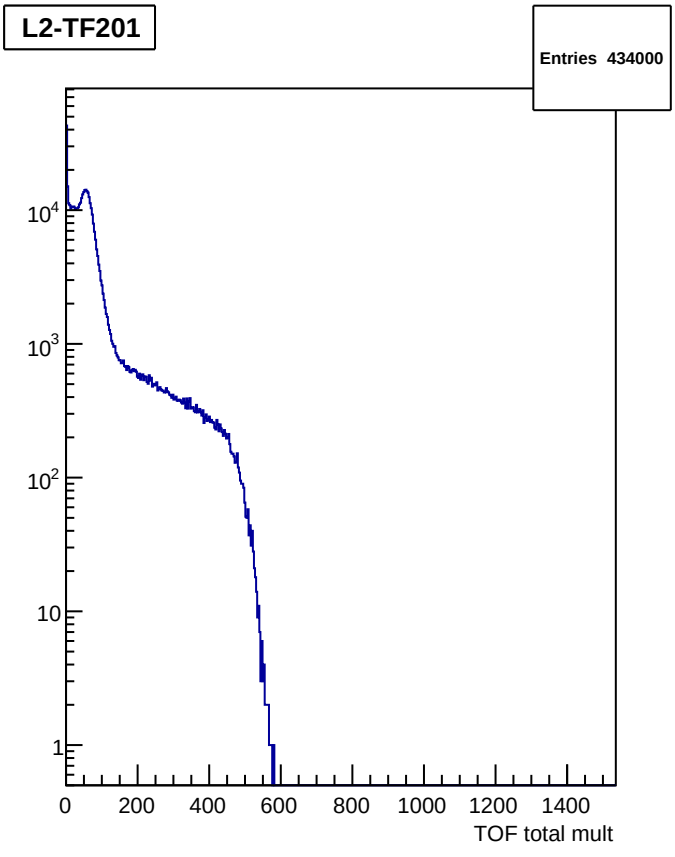

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

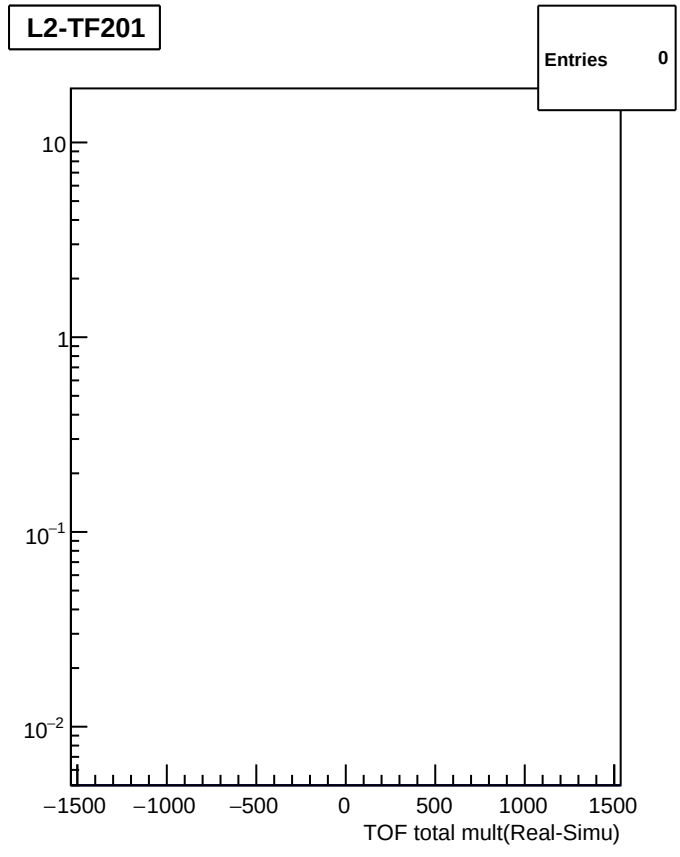

MIX-TF101
Entries 2604000
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

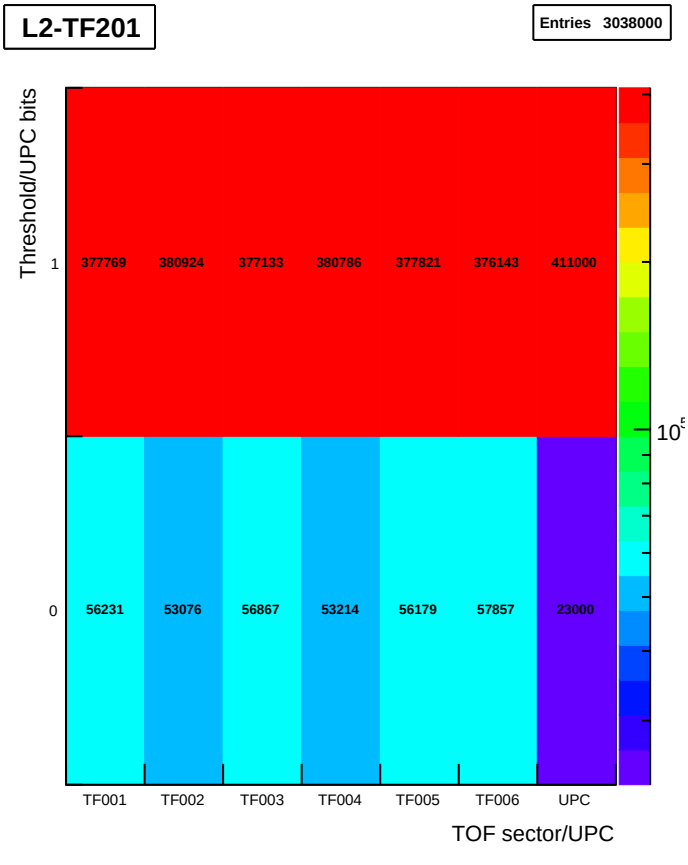

MIX-TF101
Entries 152886
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

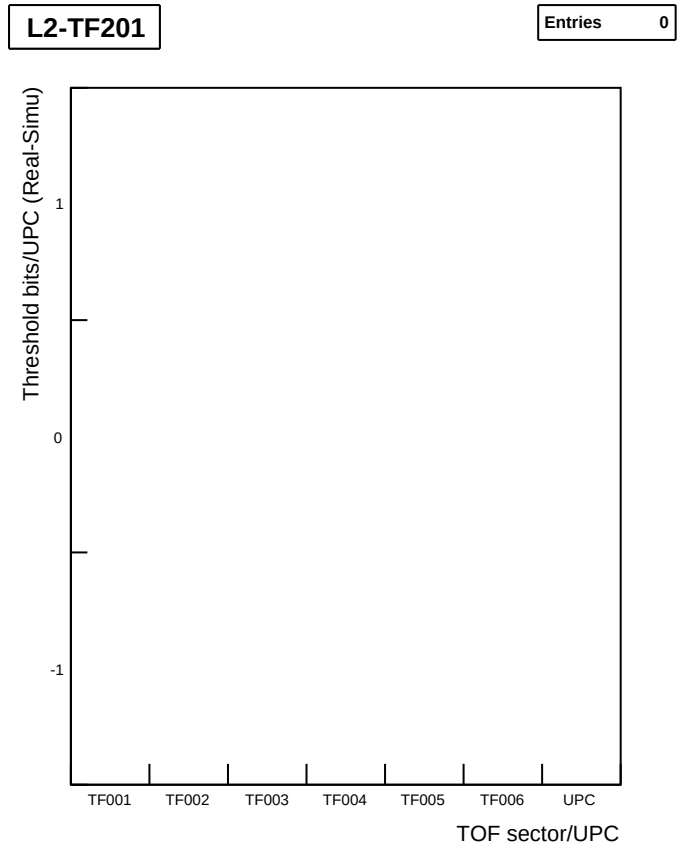

MIX-TF101
Entries 2604000
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

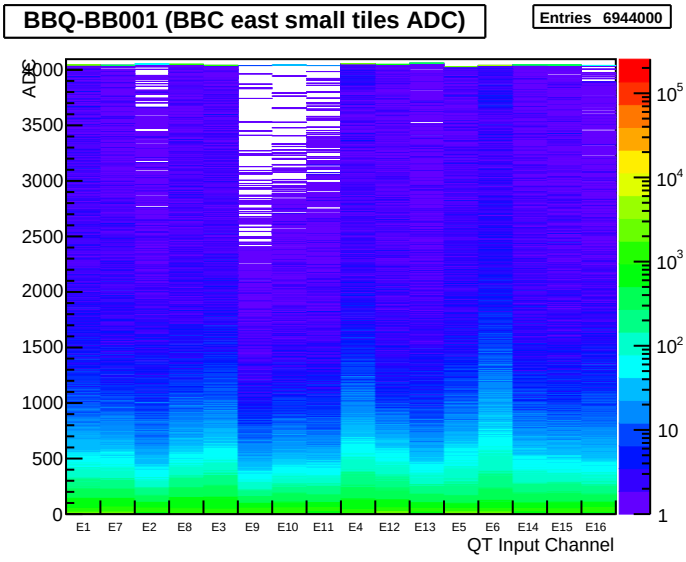

MIX-TF101
Entries 331849
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

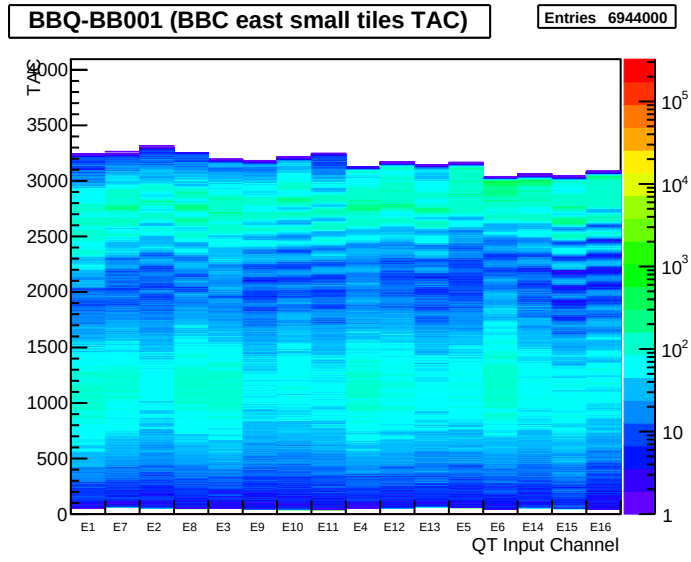

L2-TF201
Entries 434000
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

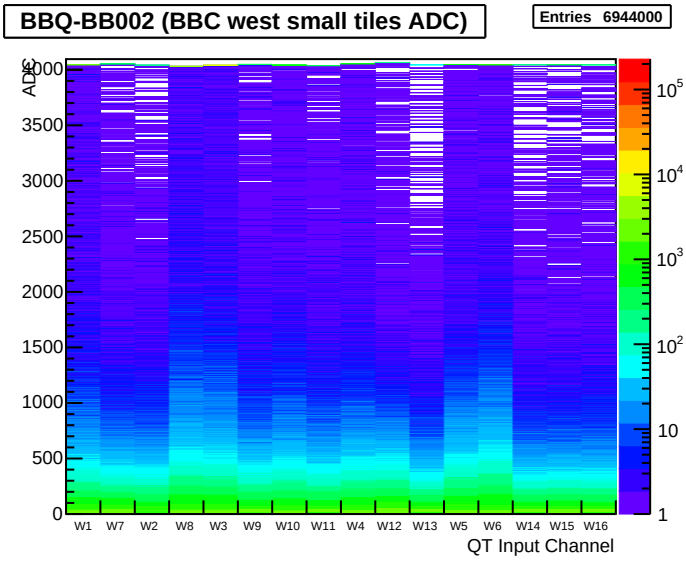

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

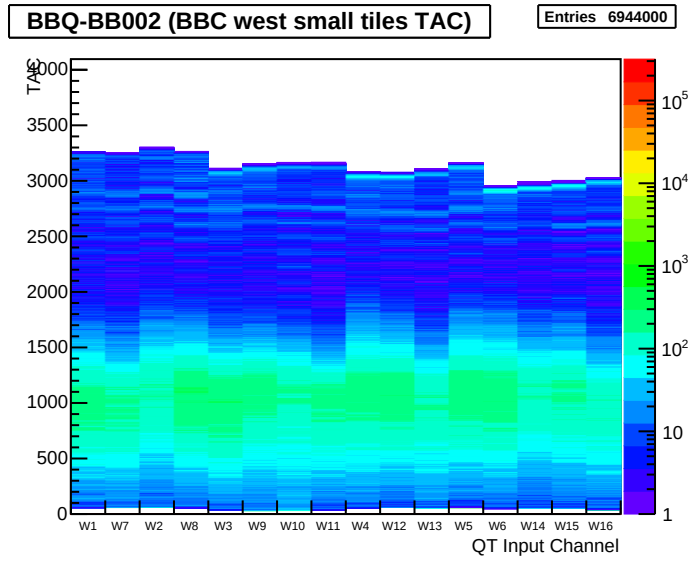

L2-TF201
Entries 3038000
Threshold/UPC bits
1
0
377769
380924
377133
380786
377821
376143
411000
56231
53076
56867
53214
56179
57857
23000
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

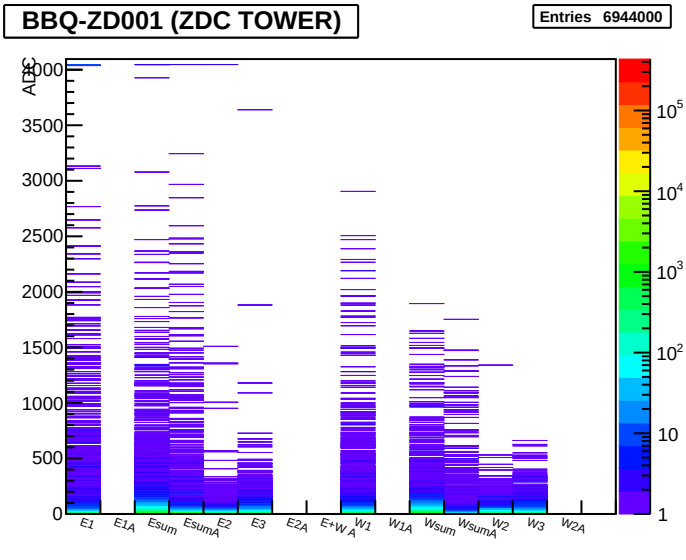

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

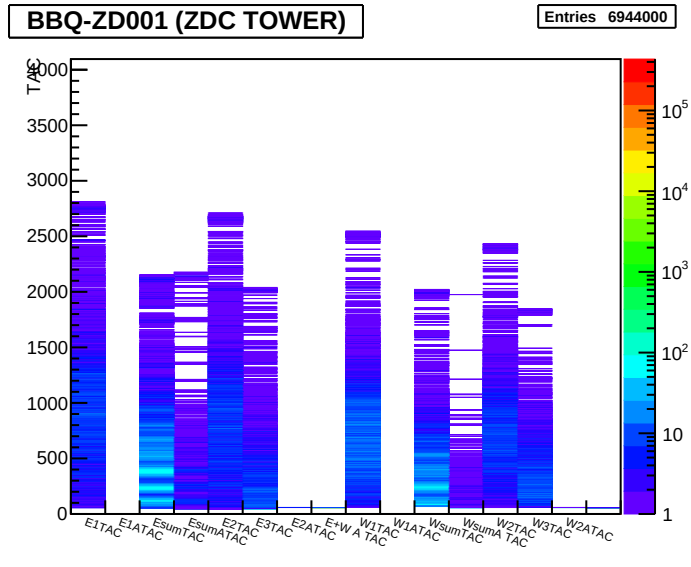

BBQ-BB001 (BBC east small tiles ADC)
Entries 6944000
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

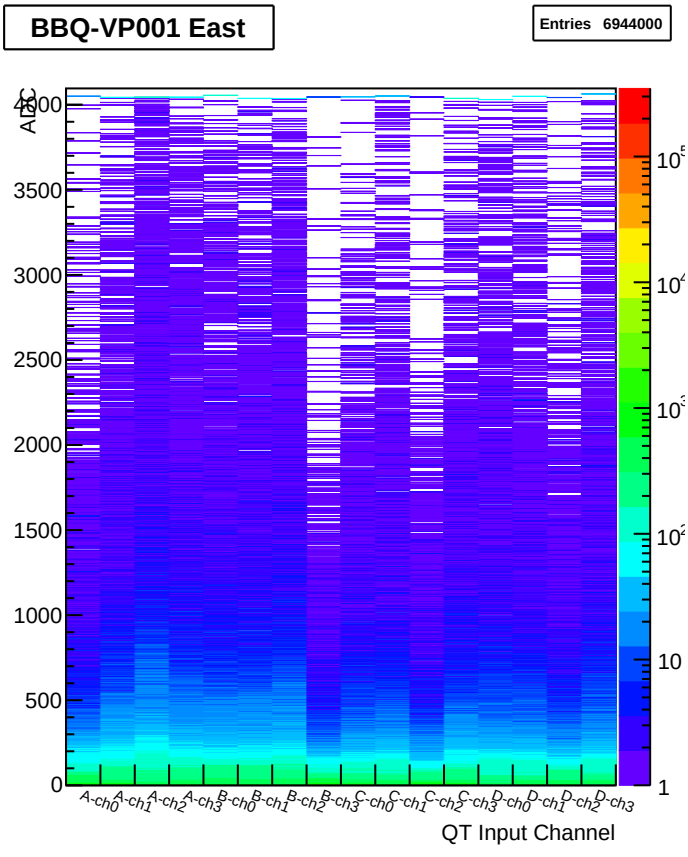

BBQ-BB001 (BBC east small tiles TAC)
Entries 6944000
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

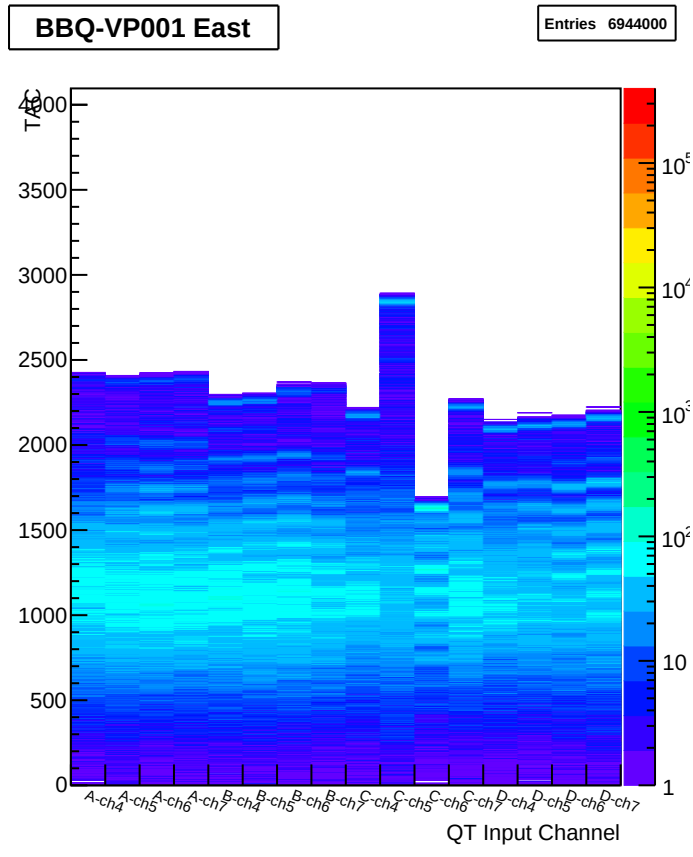

BBQ-BB002 (BBC west small tiles ADC)
Entries 6944000
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

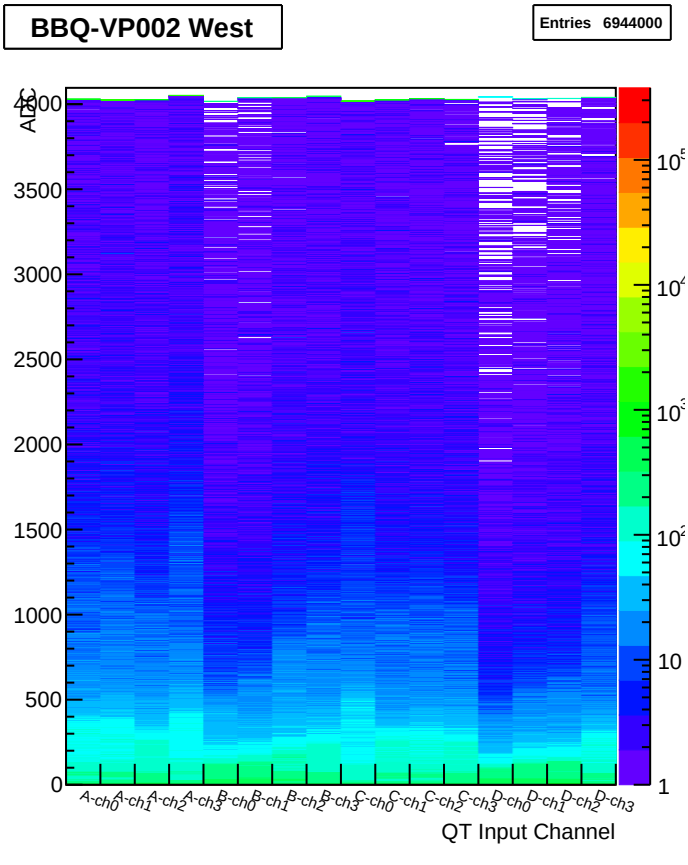

BBQ-BB002 (BBC west small tiles TAC)
Entries 6944000
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

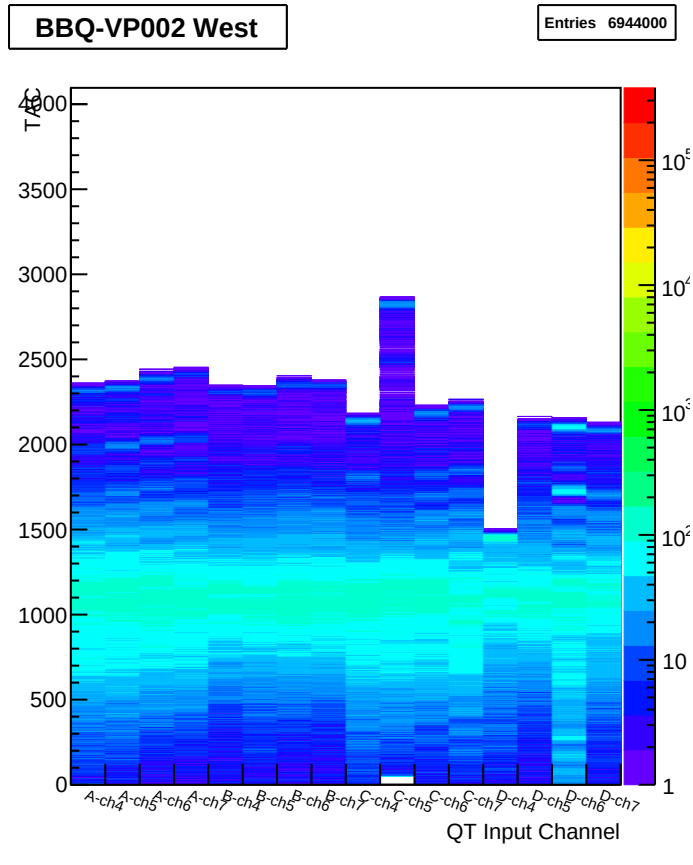

BBQ-ZD001 (ZDC TOWER)
Entries 6944000
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

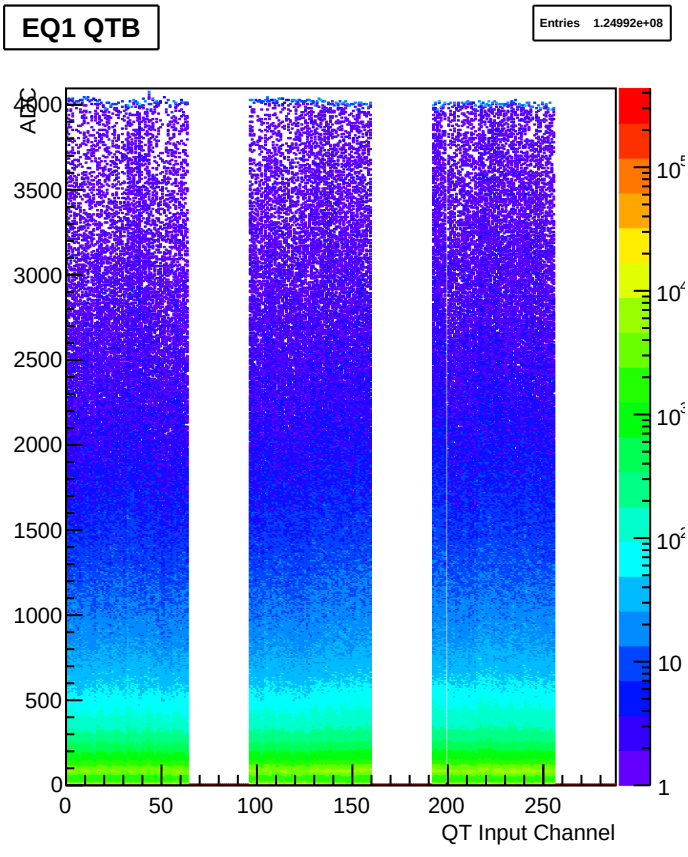

BBQ-ZD001 (ZDC TOWER)
Entries 6944000
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

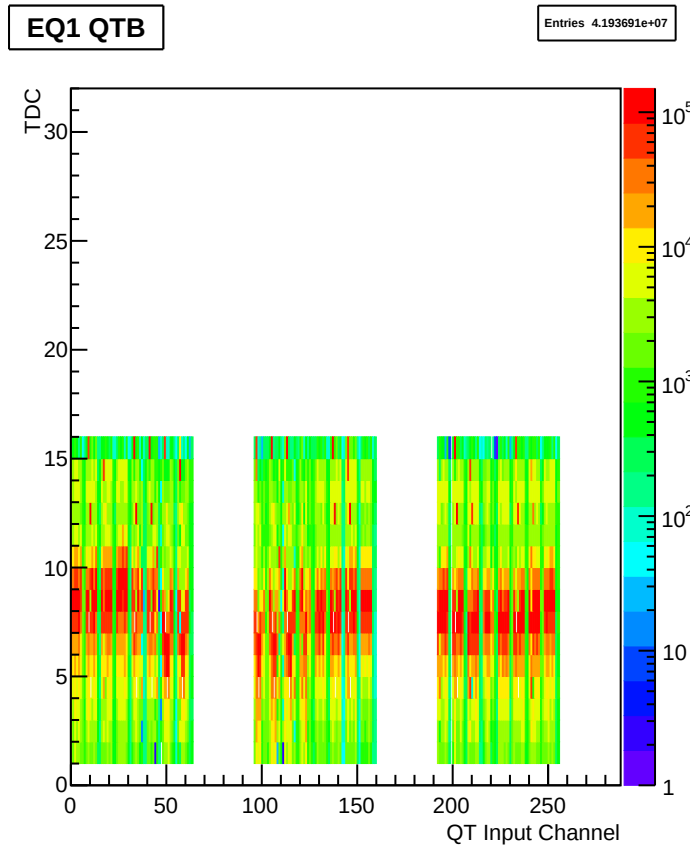

BBQ-VP001 East
Entries 6944000
ADC
QT Input Channel

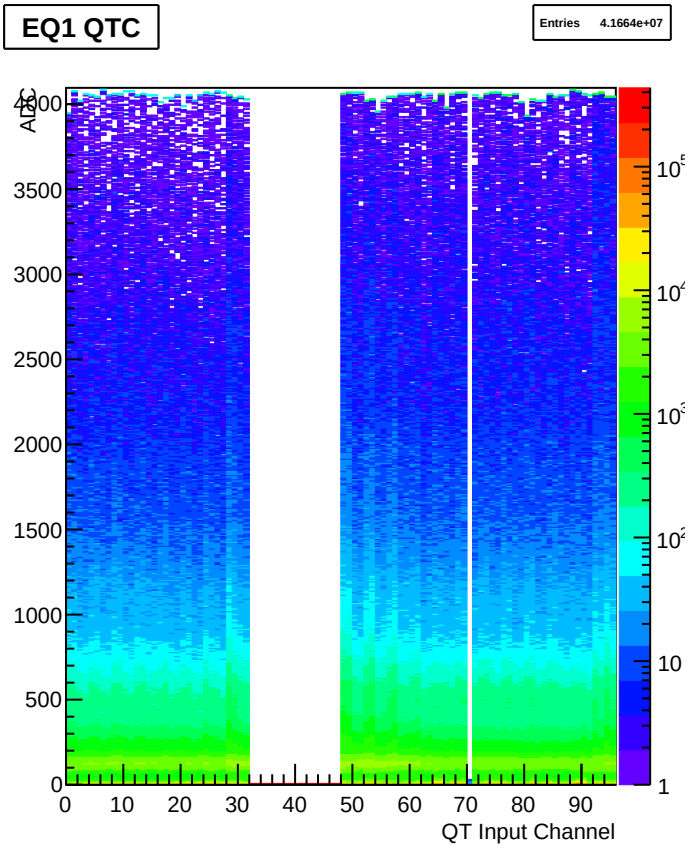

BBQ-VP001 East
Entries 6944000
ADC
QT Input Channel

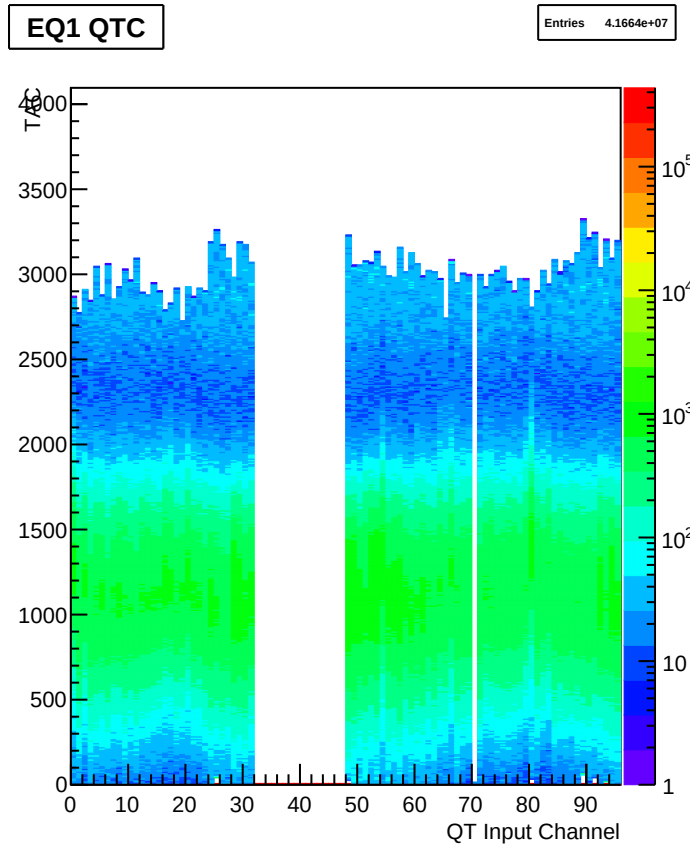

BBQ-VP002 West
Entries 6944000
ADC
QT Input Channel

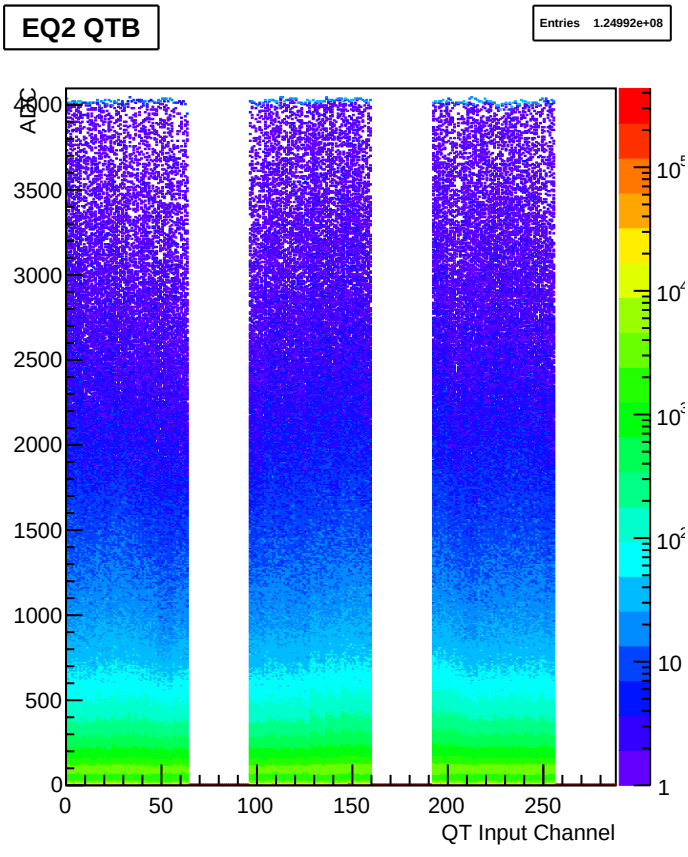

BBQ-VP002 West
Entries 6944000
ADC
QT Input Channel

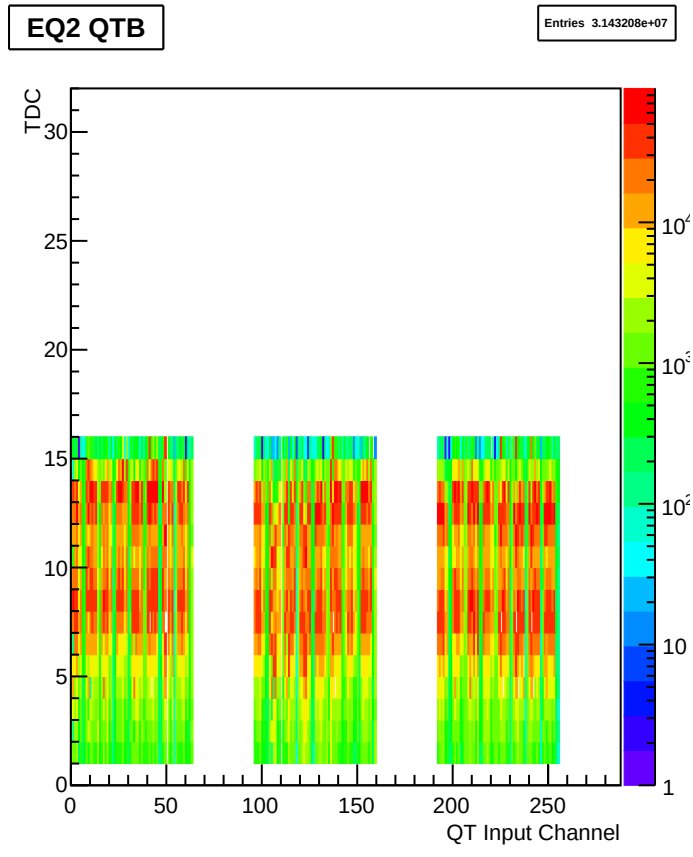

EQ1 QTB
Entries 1.24992e+08
ADC
QT Input Channel

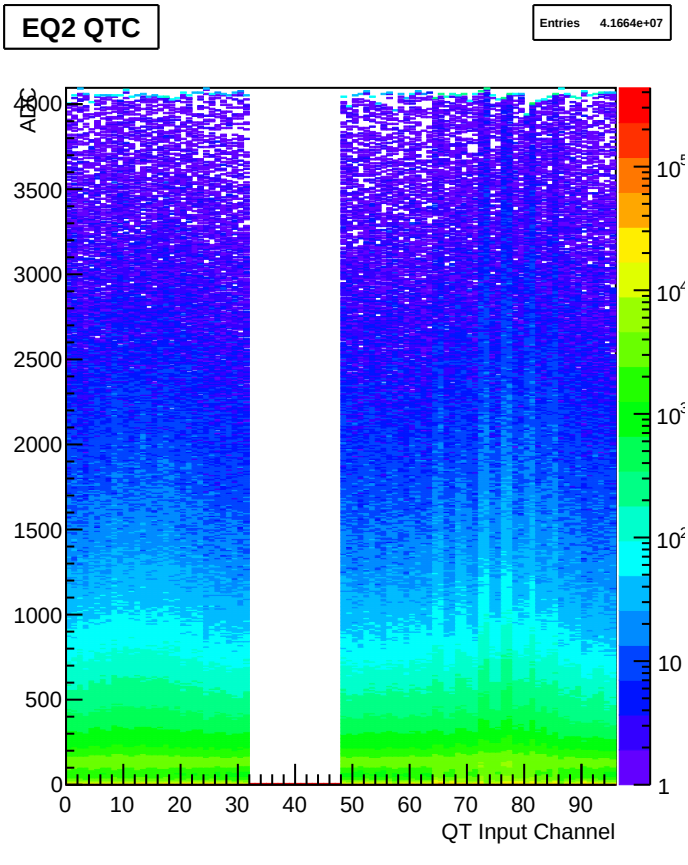

EQ1 QTB
Entries 4.193691e+07
TDC
QT Input Channel

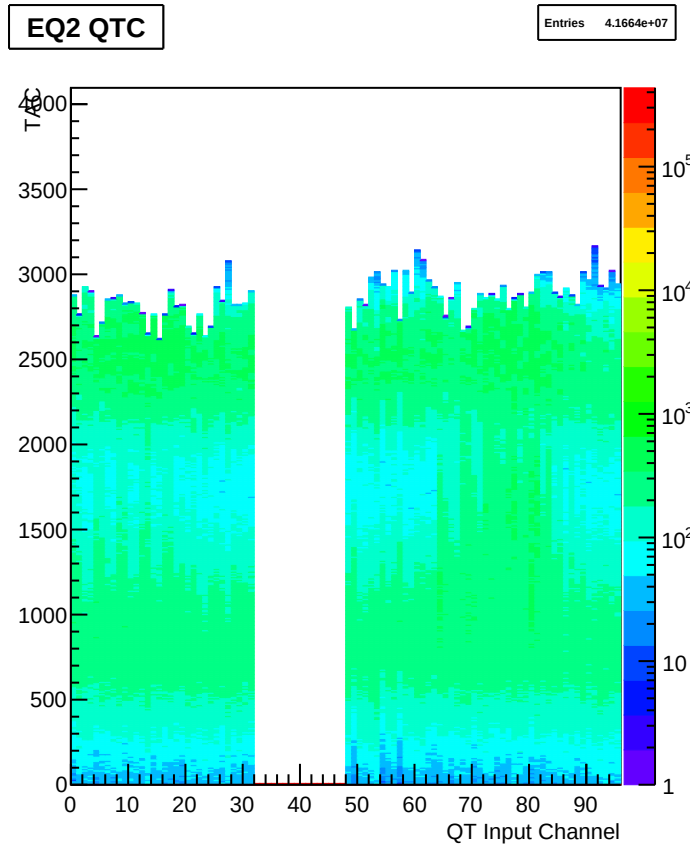

EQ1 QTC
Entries 4.1664e+07
ADC
QT Input Channel

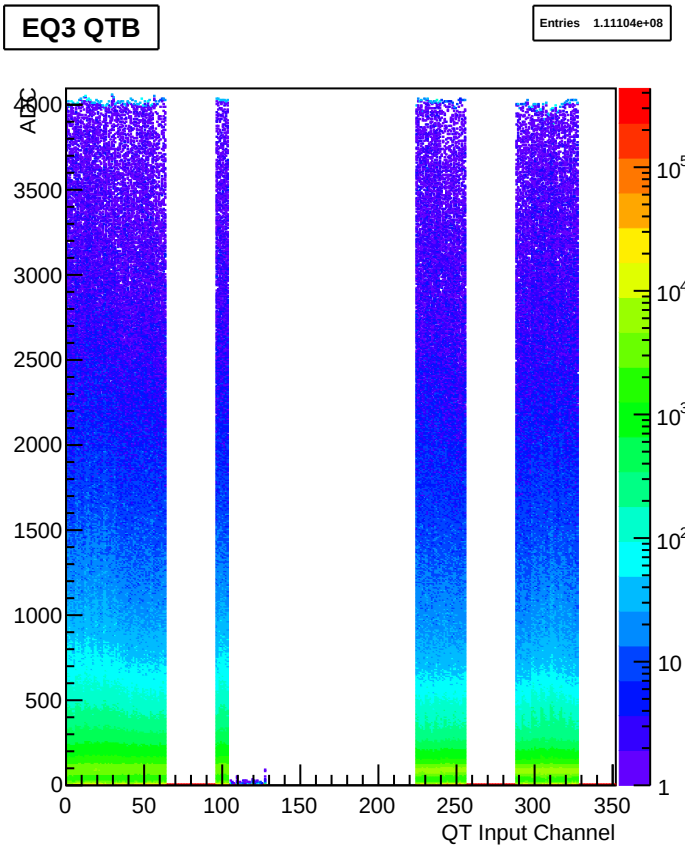

EQ1 QTC
Entries 4.1664e+07
TADC
QT Input Channel

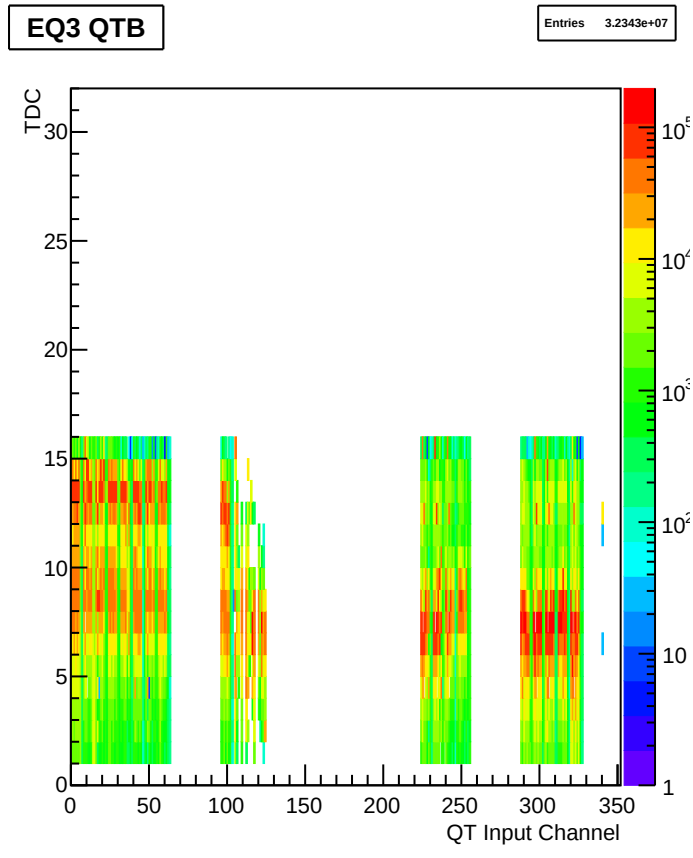

EQ2 QTB
Entries 1.24992e+08
ADC
QT Input Channel

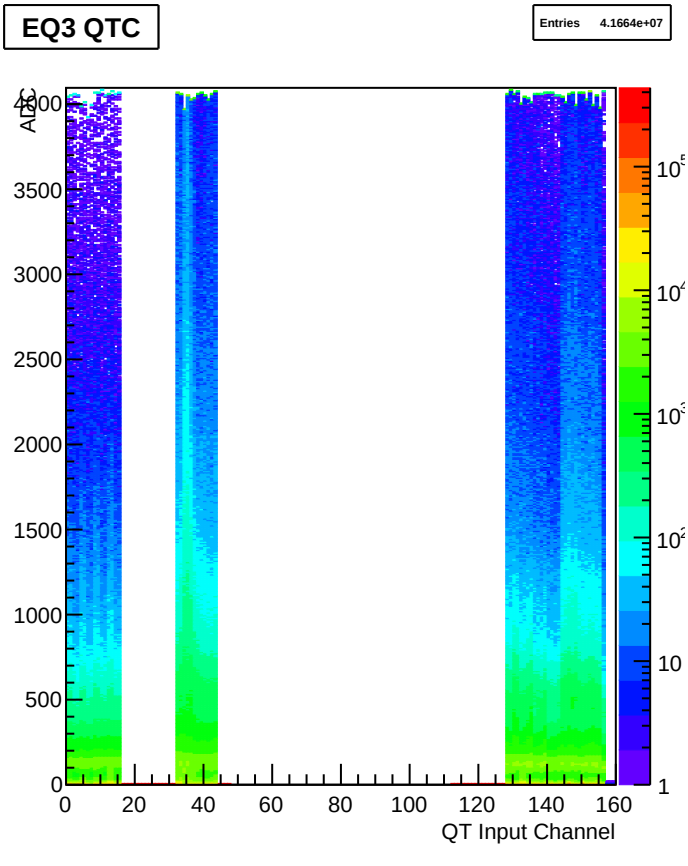

EQ2 QTB
Entries 3.143208e+07
TDC
QT Input Channel

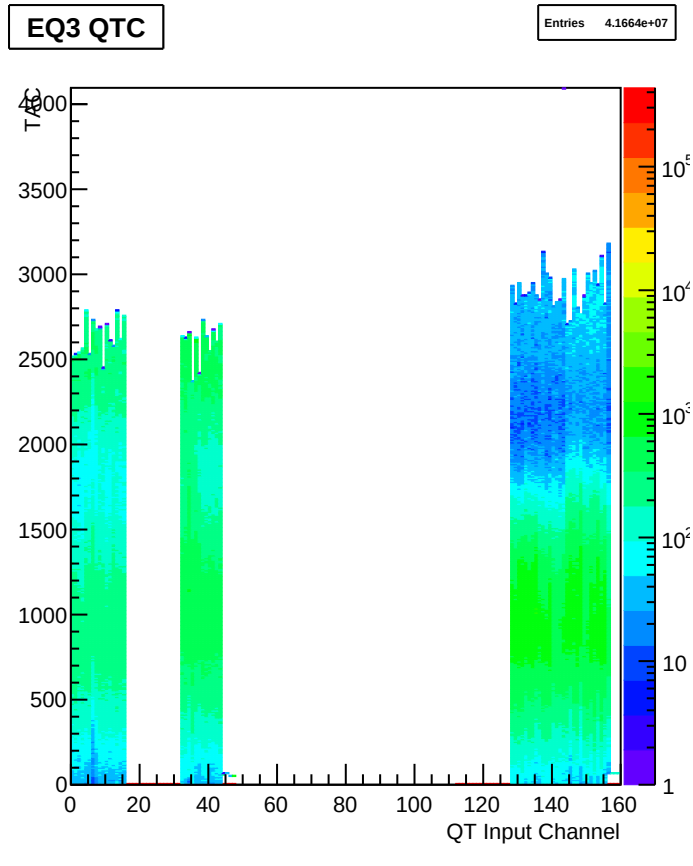

EQ2 QTC
Entries 4.1664e+07
ADC
QT Input Channel

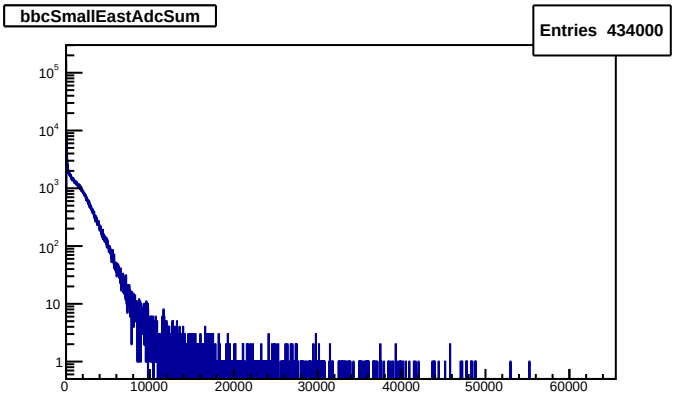

EQ2 QTC
Entries 4.1664e+07
TADC
QT Input Channel

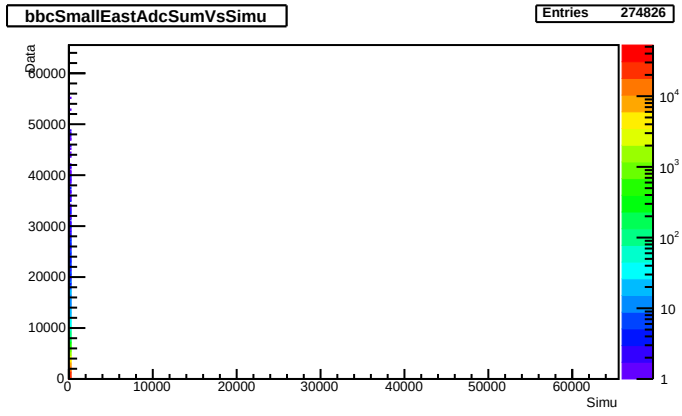

EQ3 QTB
Entries 1.11104e+08
ADC
QT Input Channel

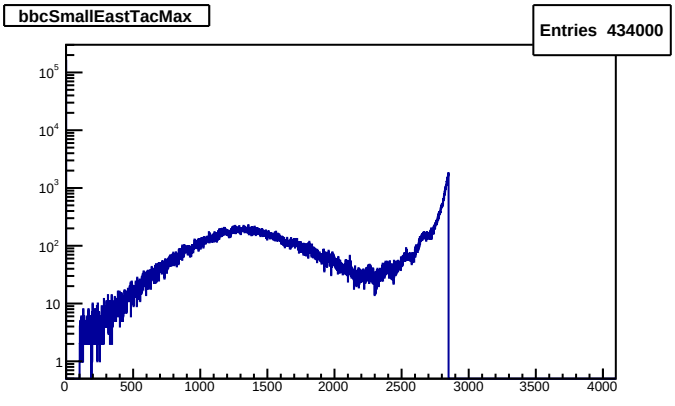

EQ3 QTB
Entries 3.2343e+07
TDC
QT Input Channel

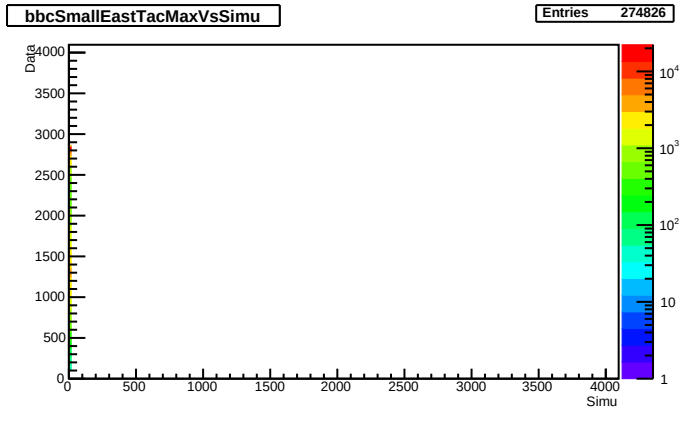

EQ3 QTC
Entries 4.1664e+07
ADC
QT Input Channel

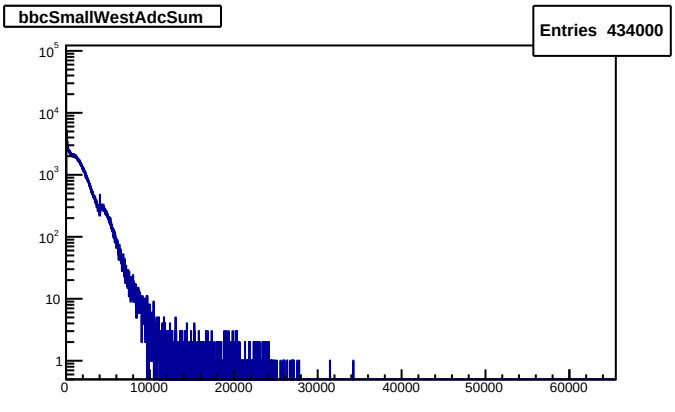

EQ3 QTC
Entries 4.1664e+07
TADC
QT Input Channel

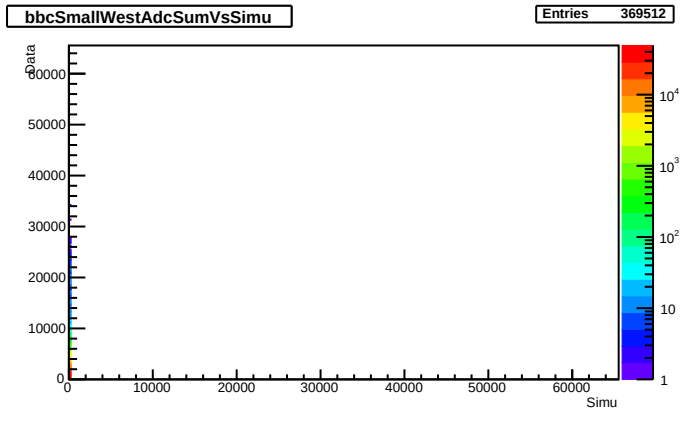

bbcSmallEastAdcSum
Entries 434000


bbcSmallEastAdcSumVsSimu
Entries 274826
Data
Simu


bbcSmallEastTacMax
Entries 434000


bbcSmallEastTacMaxVsSimu
Entries 274826
Data
Simu


bbcSmallWestAdcSum
Entries 434000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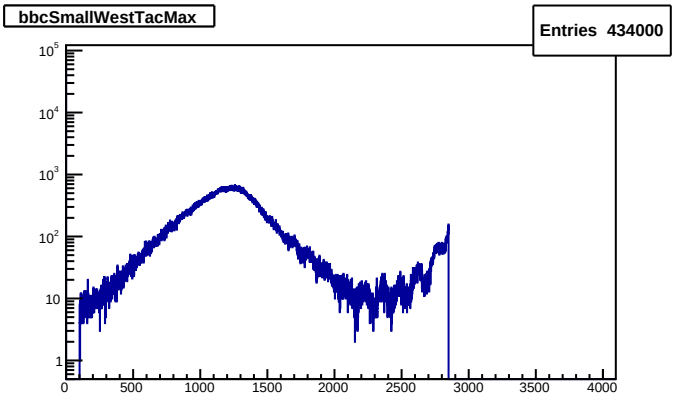
Entries 369512
Data
Simu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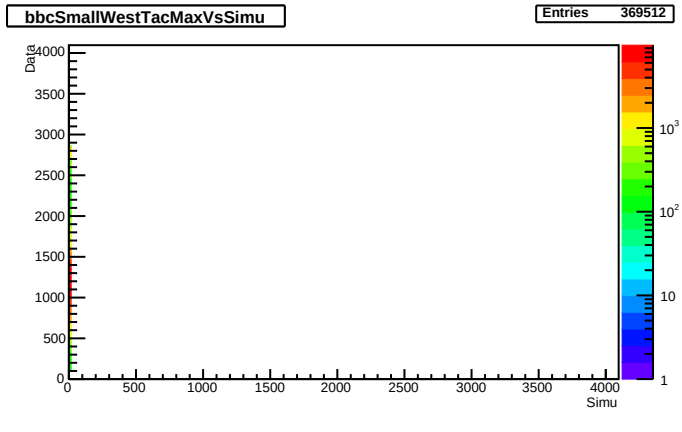
Entries 434000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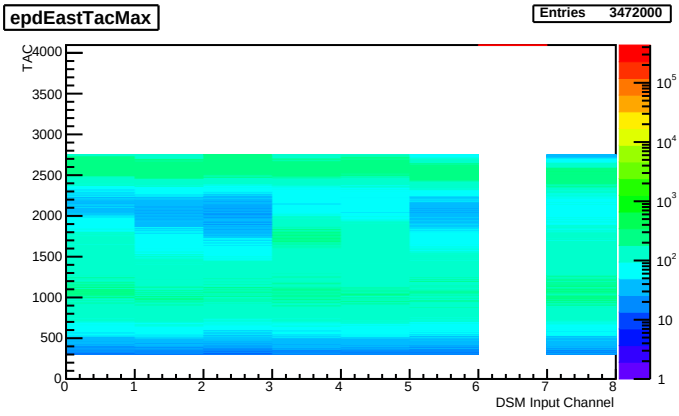
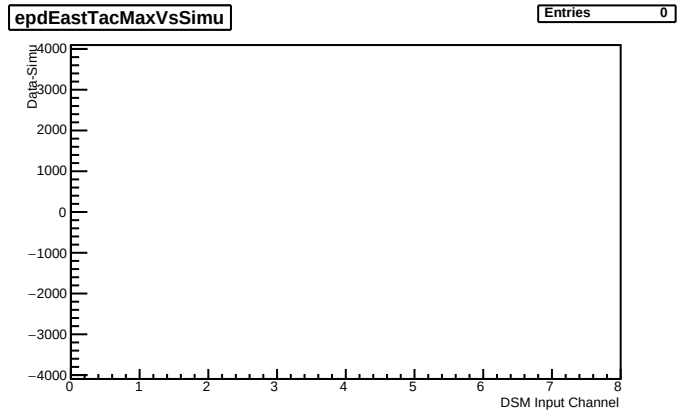
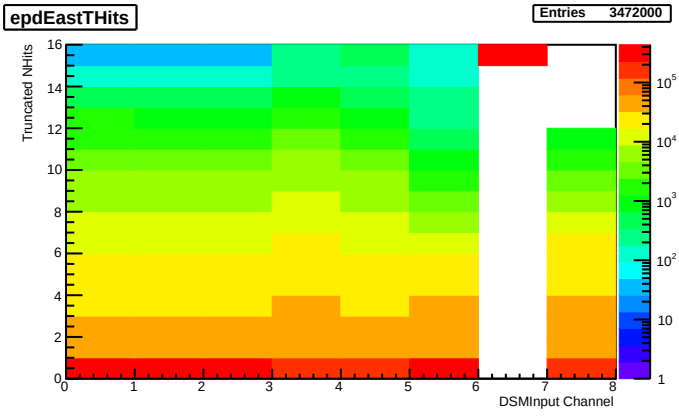
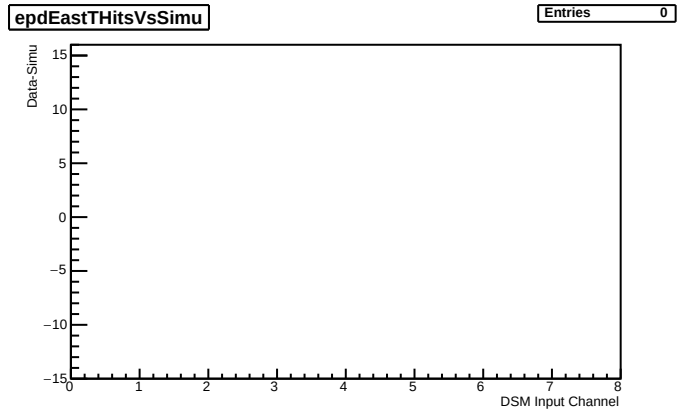
Entries 369512
Data
Simu


epdEastTacMax
Entries 3472000
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3472000
Truncated NHits
DSMInput Channel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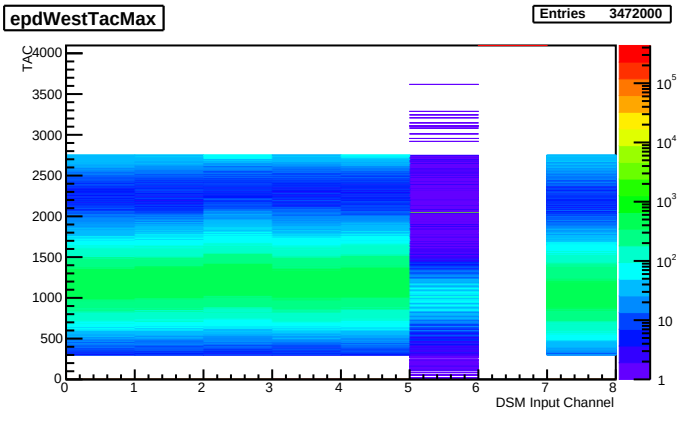
Data-Simu
DSM Input Channel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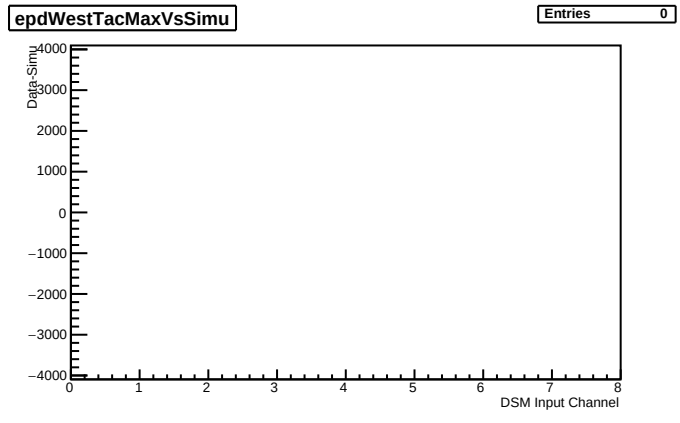
Entries 3472000
TAC
DSM Input Channel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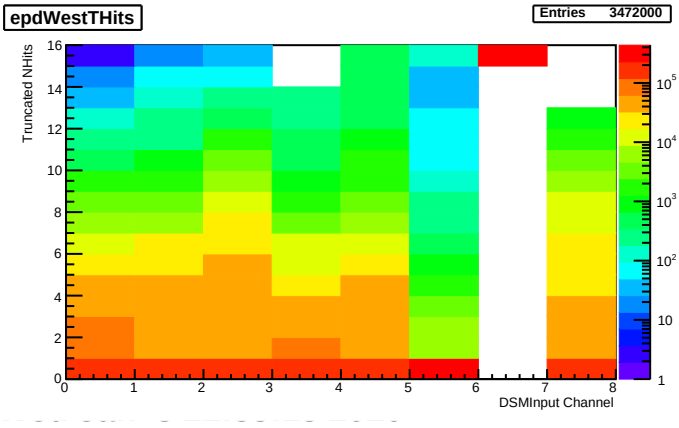
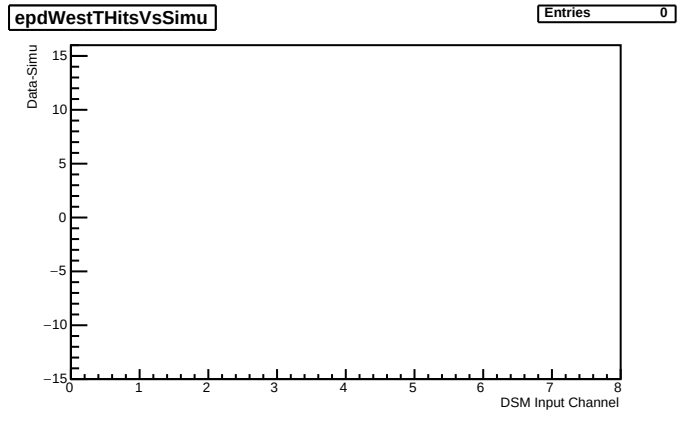
DSM Input Channel


epdWestTHits
Entries 3472000
Truncated NHits
DSMInput Channel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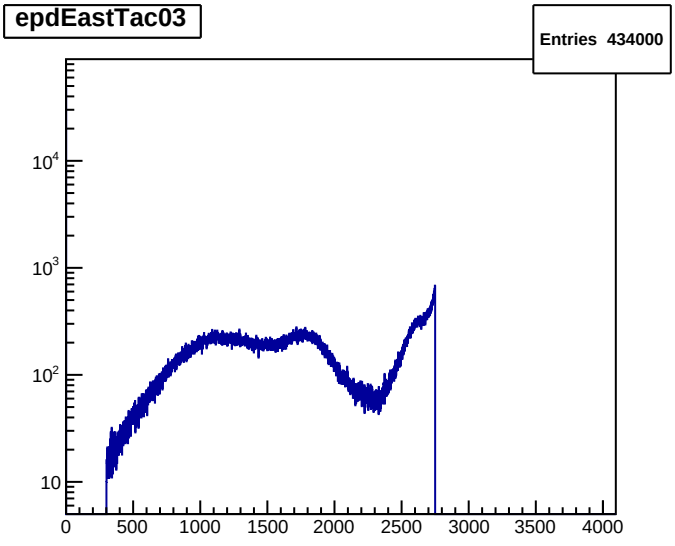
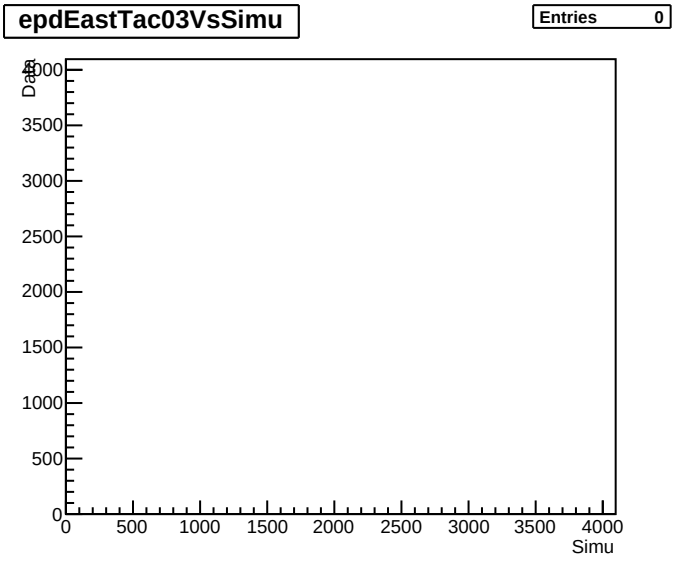
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 434000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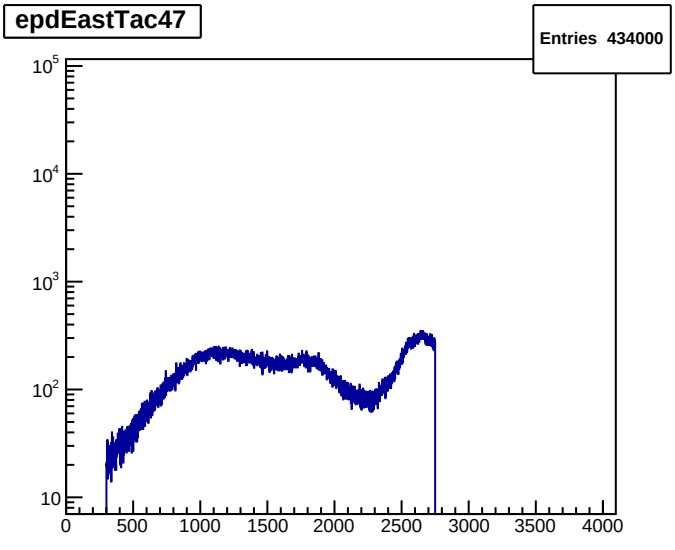
Entries 0
Data
Simu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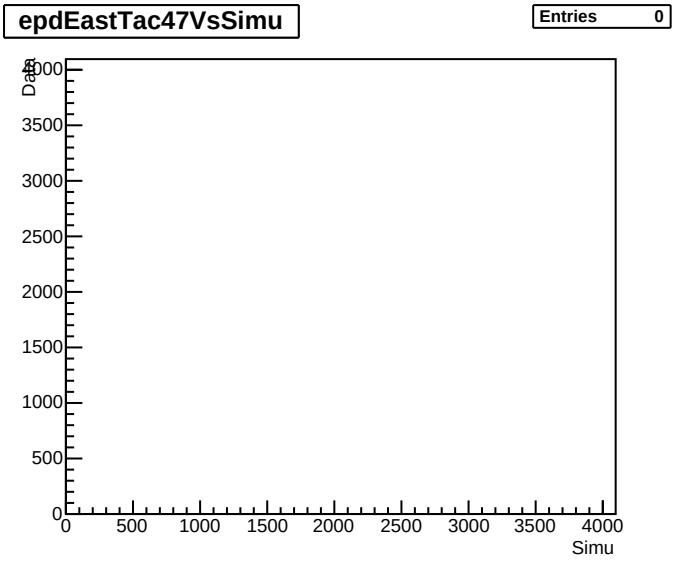
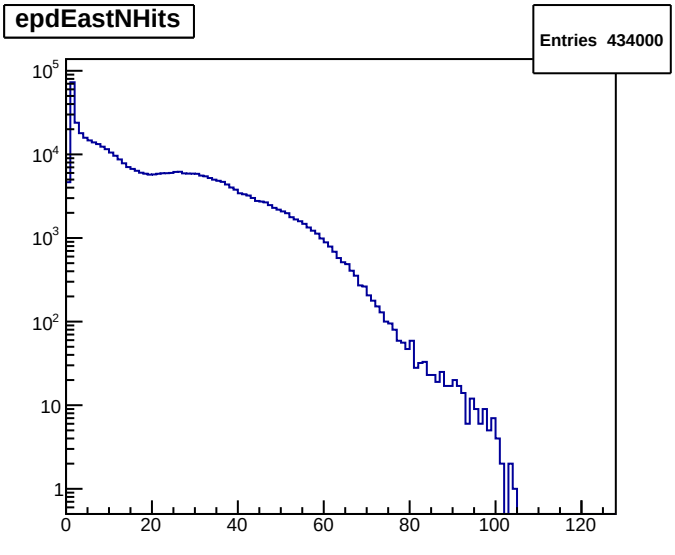
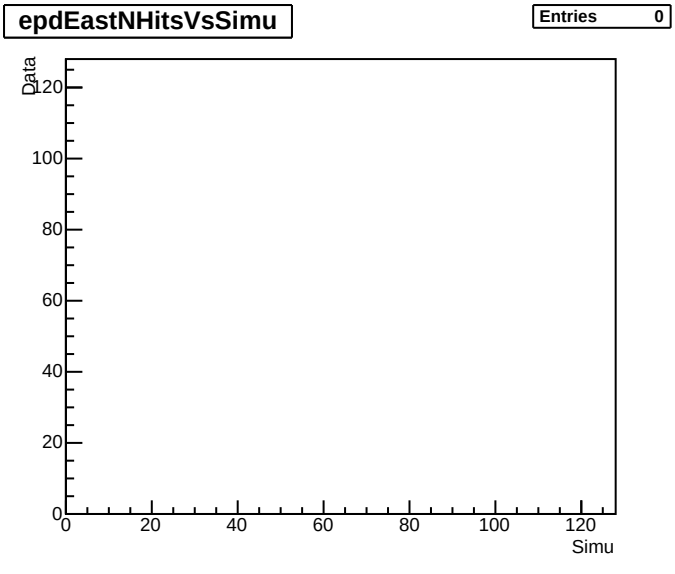
Entries 434000


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 434000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Entries 0
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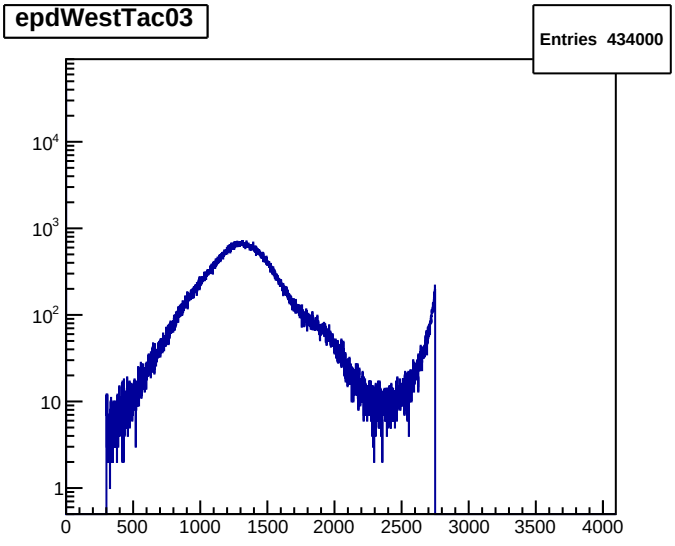
Simu


epdWestTac03
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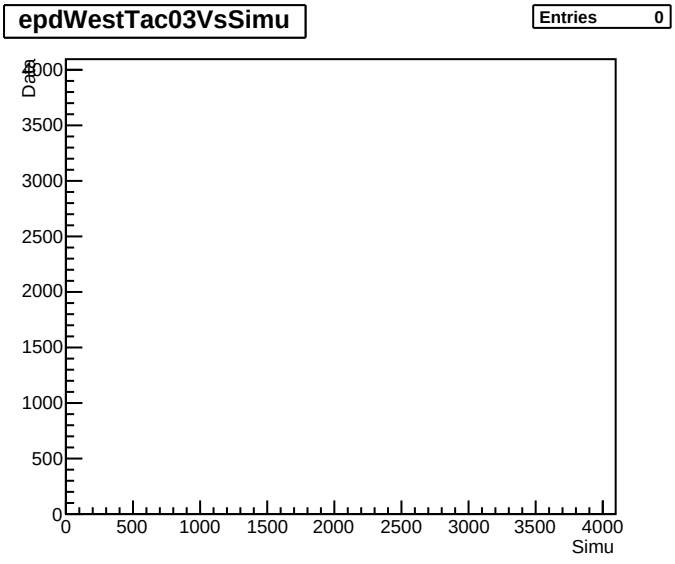
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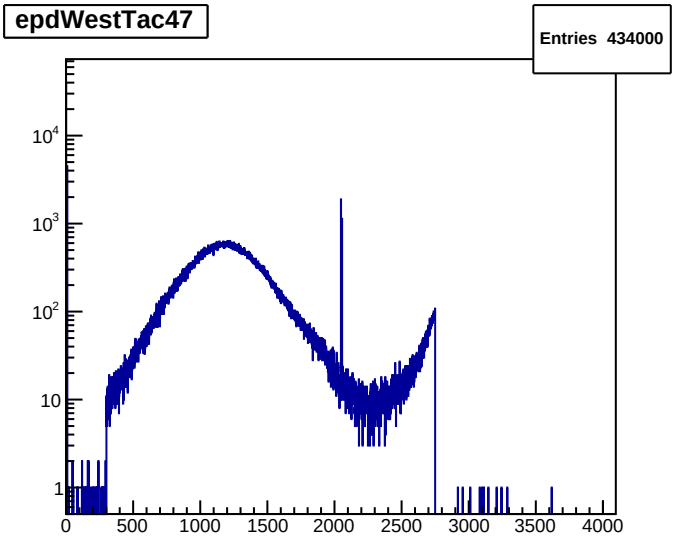
Entries 0
Data
Simu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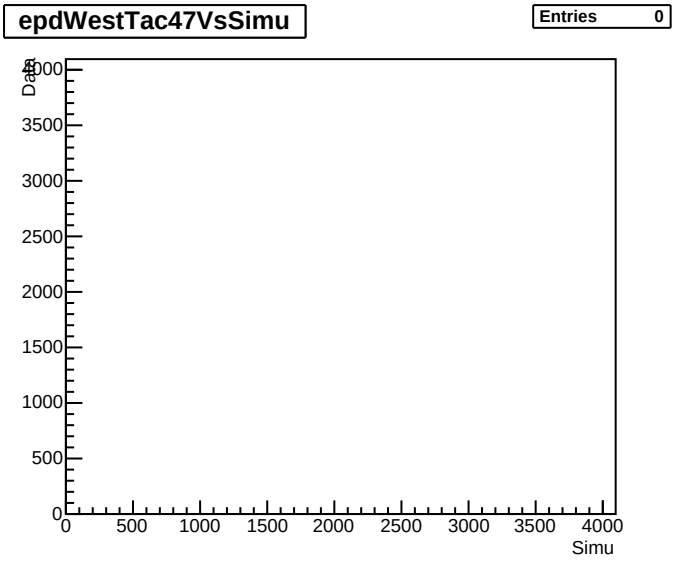
Entries 434000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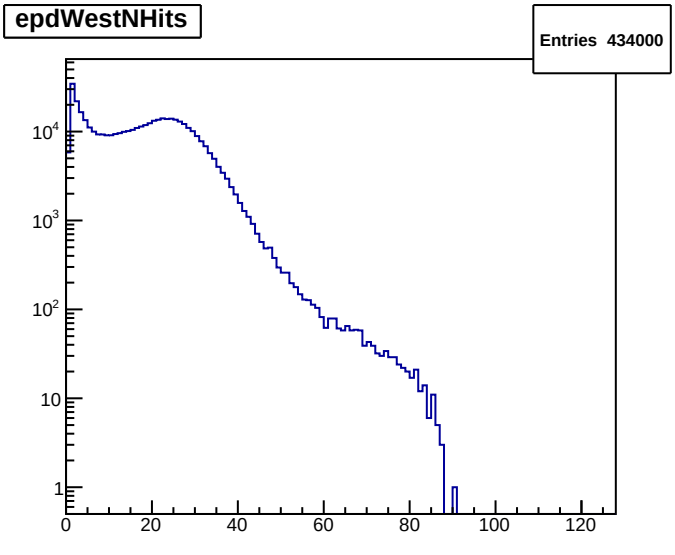
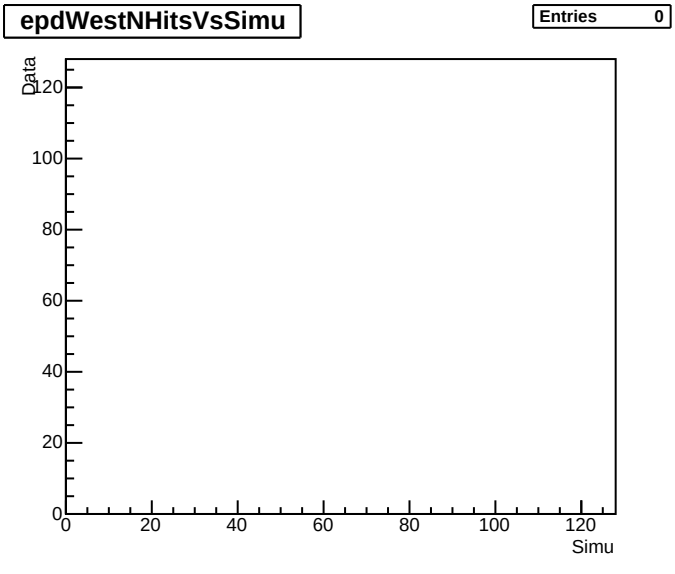
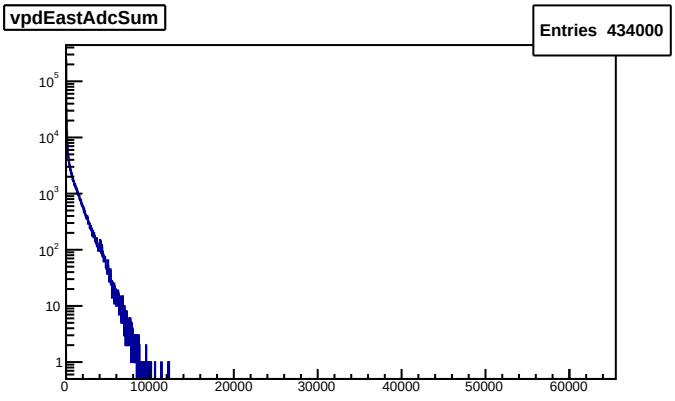
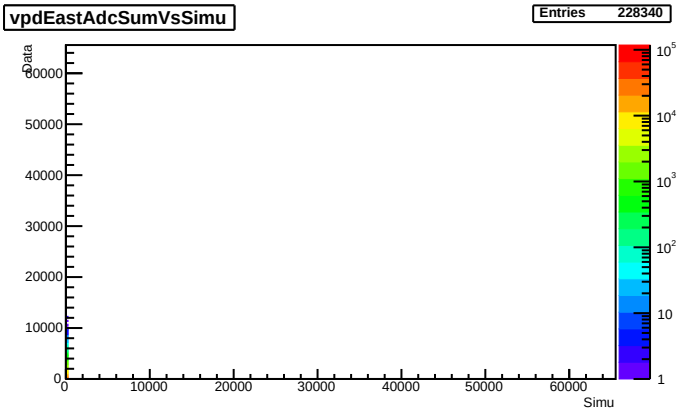
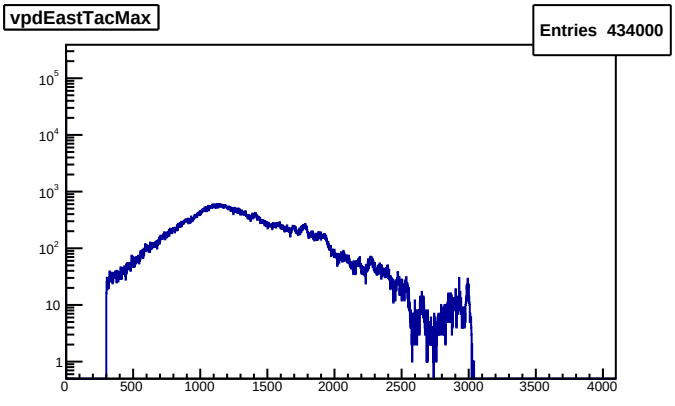
Entries 0
Data
Simu

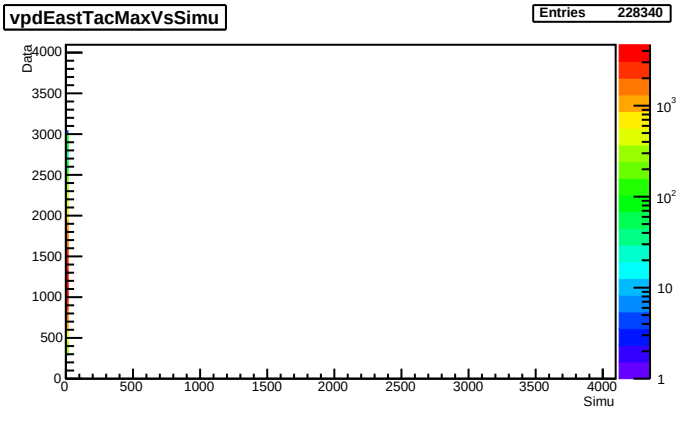

epdWestNHits
Entries 434000

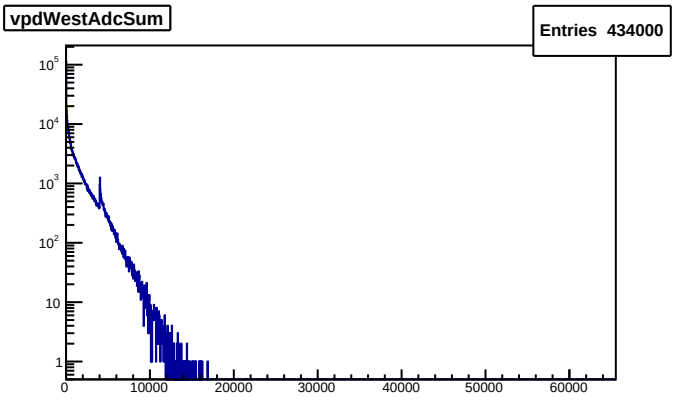

epdWestNHitsVsSimu
Entries 0
Data
Simu

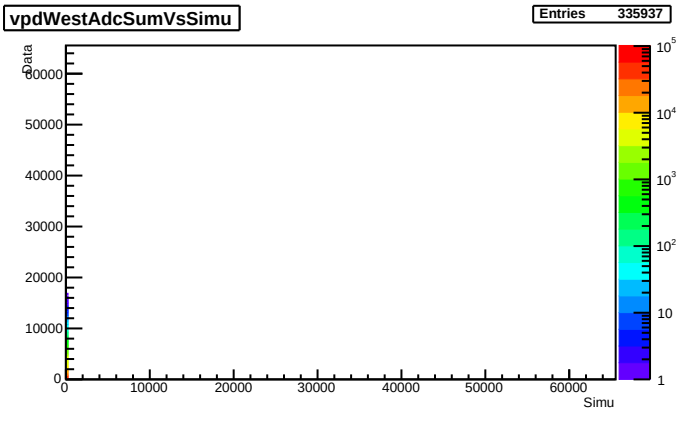

vpdEastAdcSum
Entries 434000

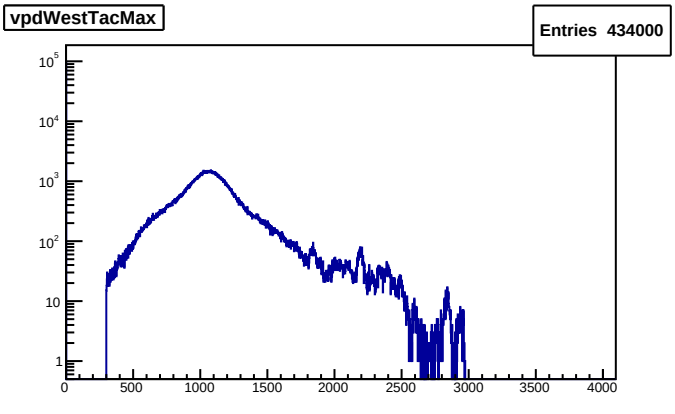

vpdEastAdcSumVsSimu
Entries 228340
Data
Simu

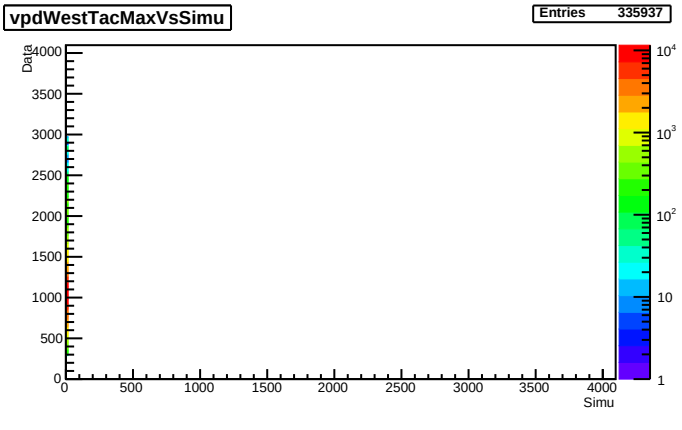

vpdEastTacMax
Entries 434000

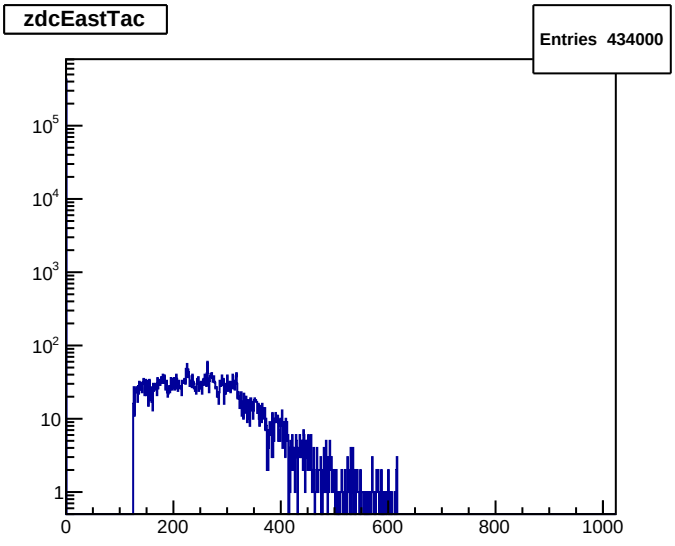

vpdEastTacMaxVsSimu
Entries 228340
Data
Simu

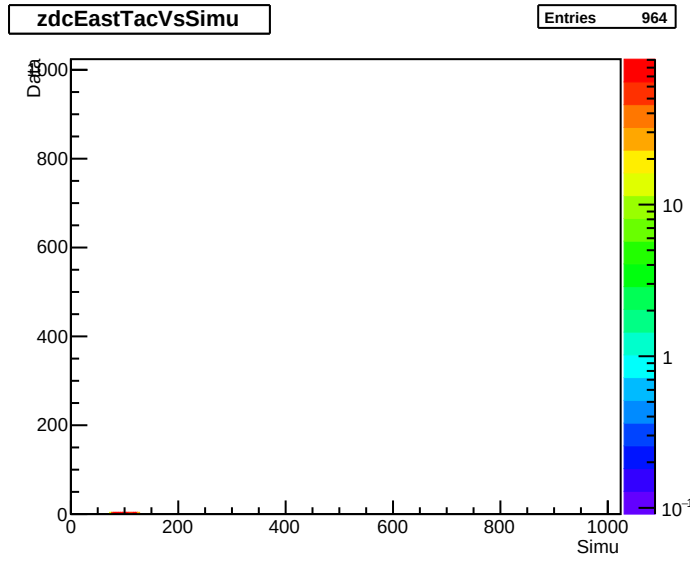

vpdWestAdcSum
Entries 434000

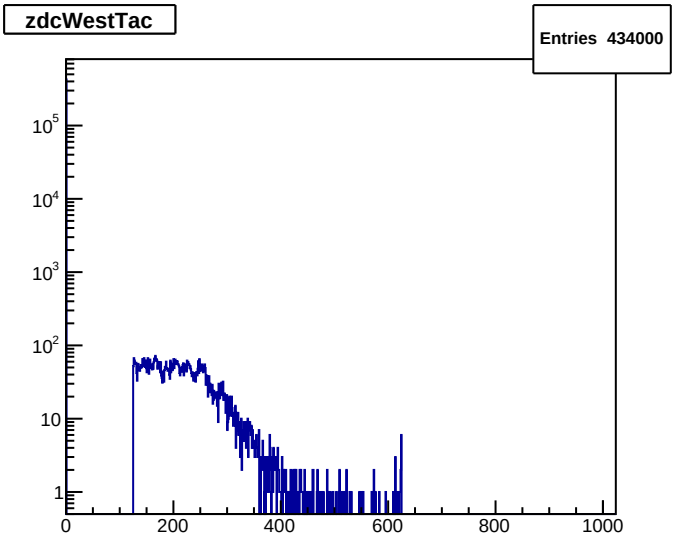

vpdWestAdcSumVsSimu
Entries 335937
Data
Simu

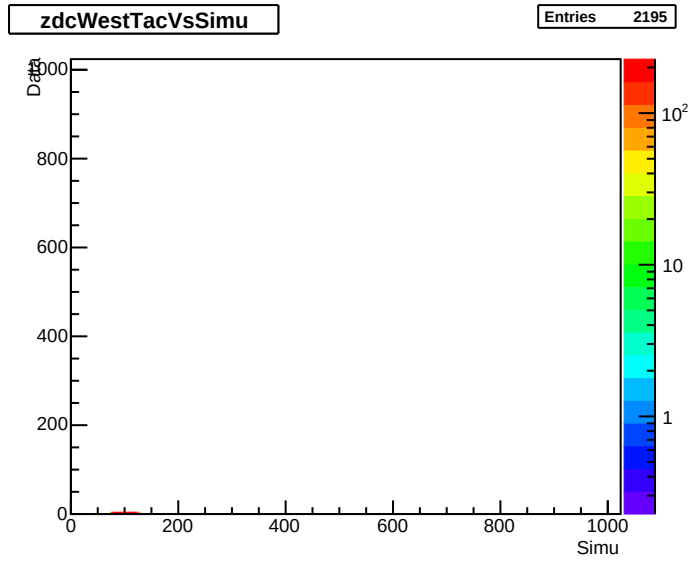

vpdWestTacMax
Entries 434000

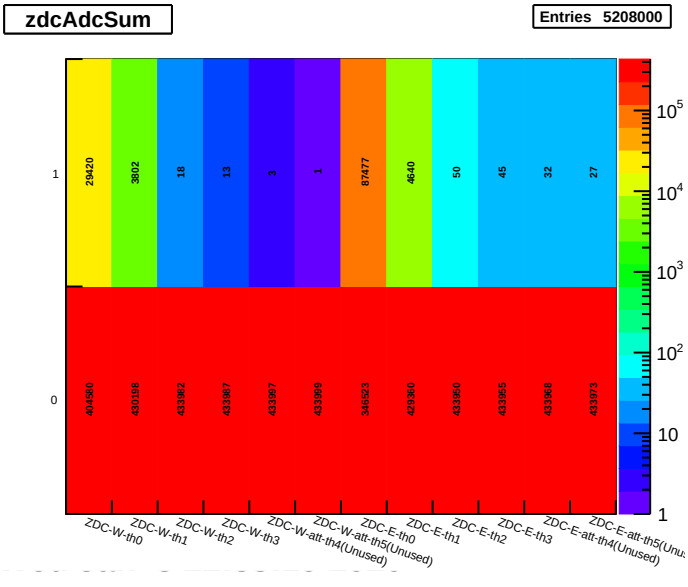

vpdWestTacMaxVsSimu
Entries 335937
Data
Simu

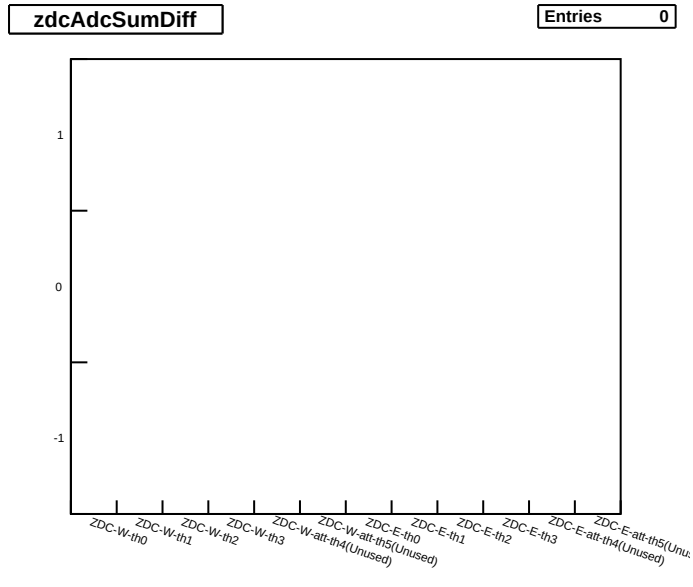

zdcEastTac
Entries 434000

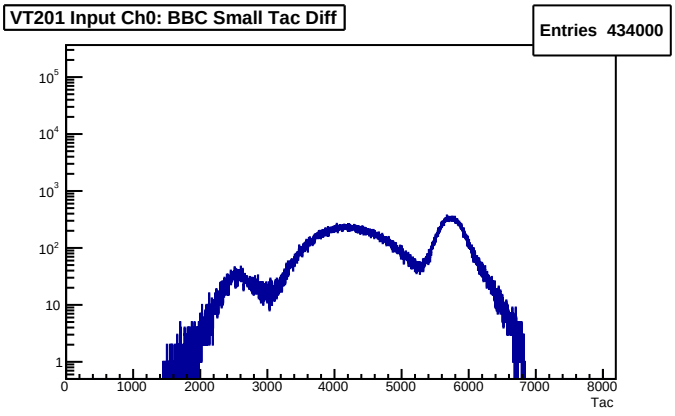

zdcEastTacVsSimu
Entries 964
Data
Simu

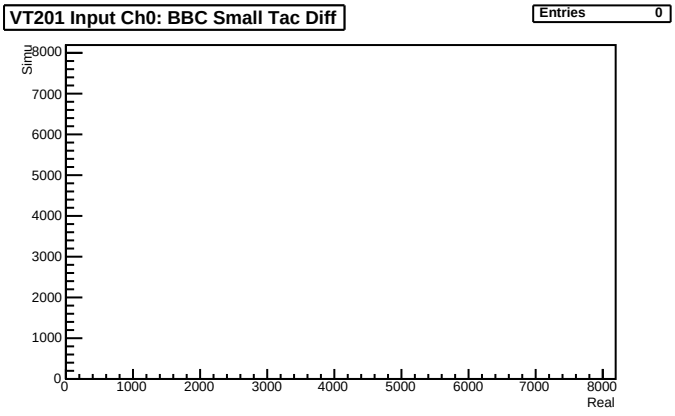

zdcWestTac
Entries 434000

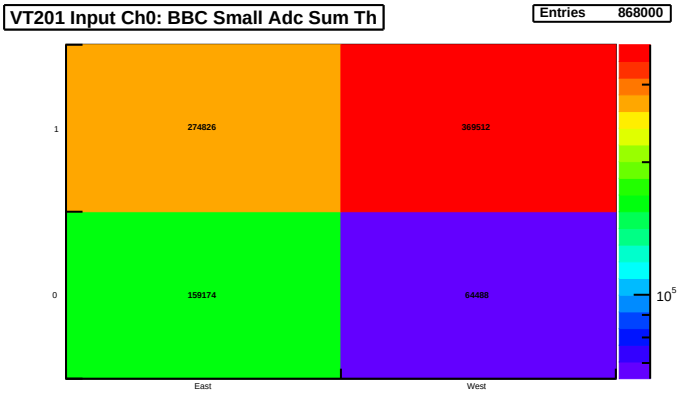

zdcWestTacVsSimu
Entries 2195
Data
Simu

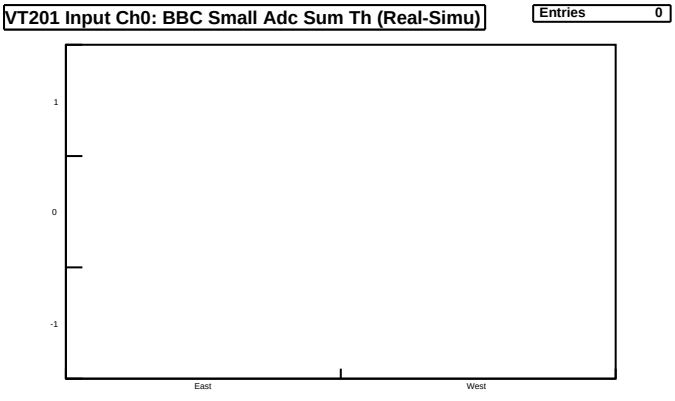

zdcAdcSum
Entries 5208000
29420
3802
18
13
3
1
87477
4640
50
45
32
27
404580
430198
433862
433887
433997
433999
346523
429360
433950
433955
433968
433973
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

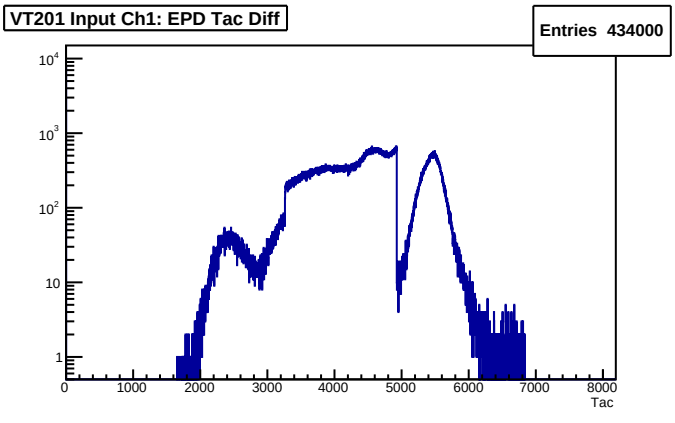

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

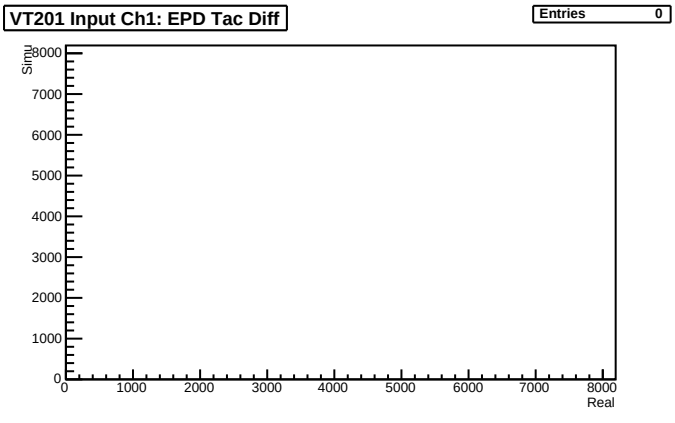

VT201 Input Ch0: BBC Small Tac Diff
Entries 434000
Tac

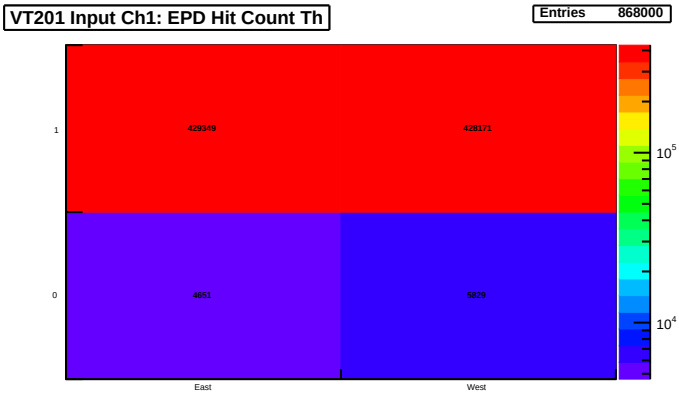

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

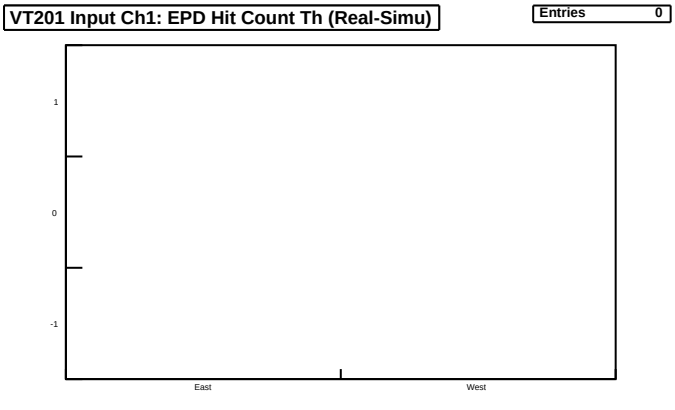

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 868000
274826
369512
159174
64488
East
West

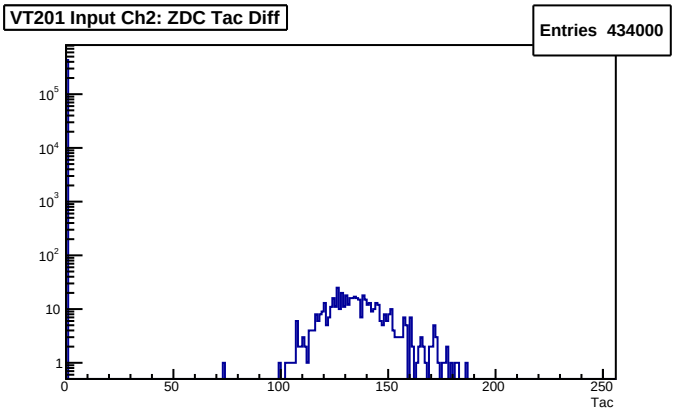

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

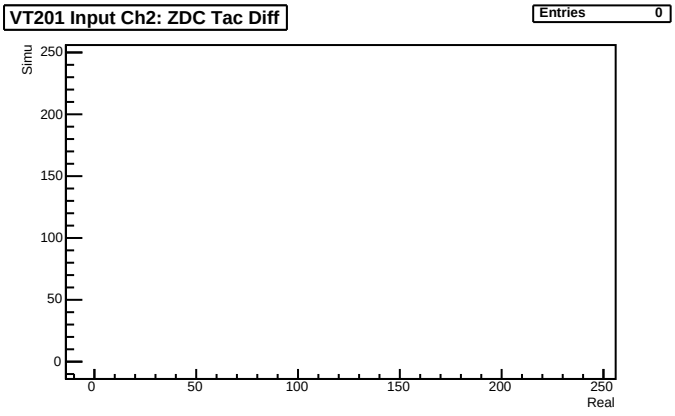

VT201 Input Ch1: EPD Tac Diff
Entries 434000
Tac

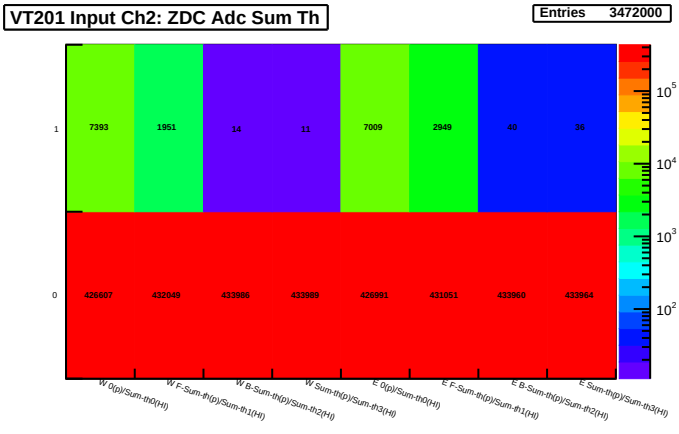

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

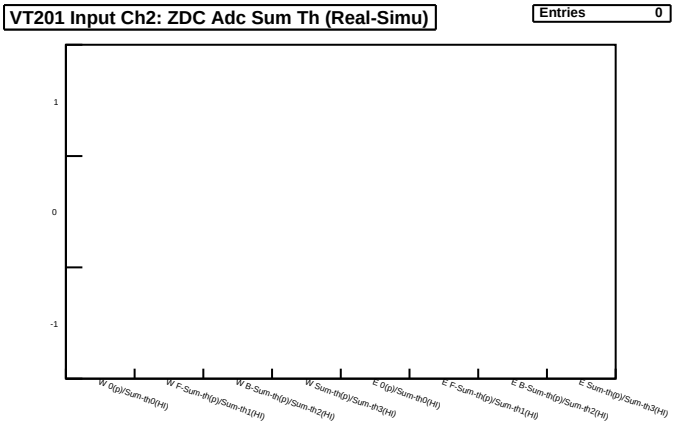

VT201 Input Ch1: EPD Hit Count Th
Entries 868000
429349
428171
4651
5829
East
West

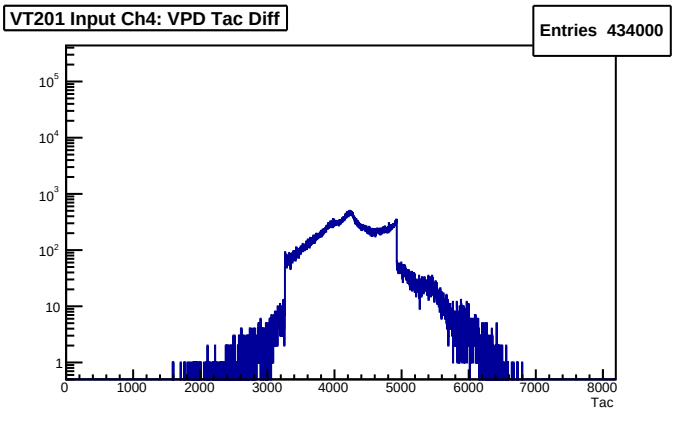

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

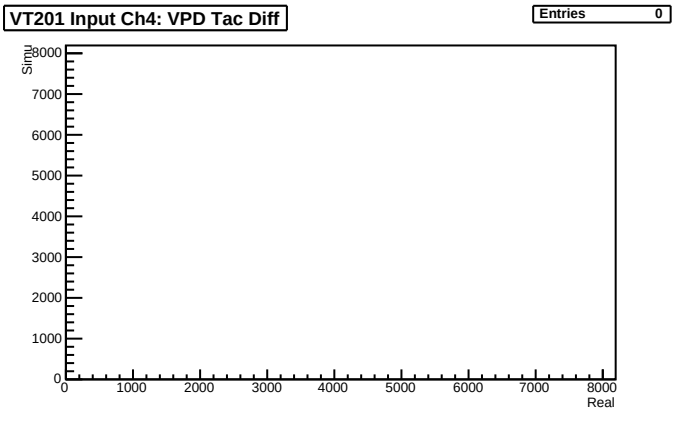

VT201 Input Ch2: ZDC Tac Diff
Entries 434000
Tac

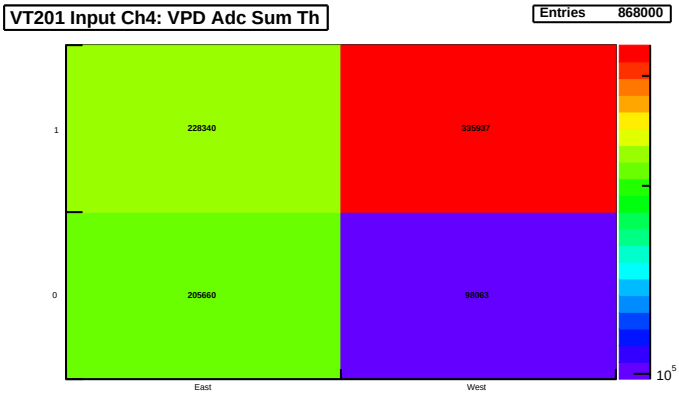

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

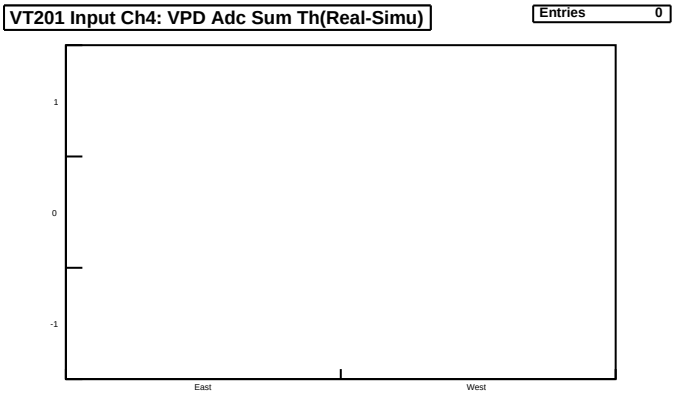

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3472000
7393
1951
14
11
7009
2949
40
36
426607
432049
433986
433989
426991
431051
433960
433964
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

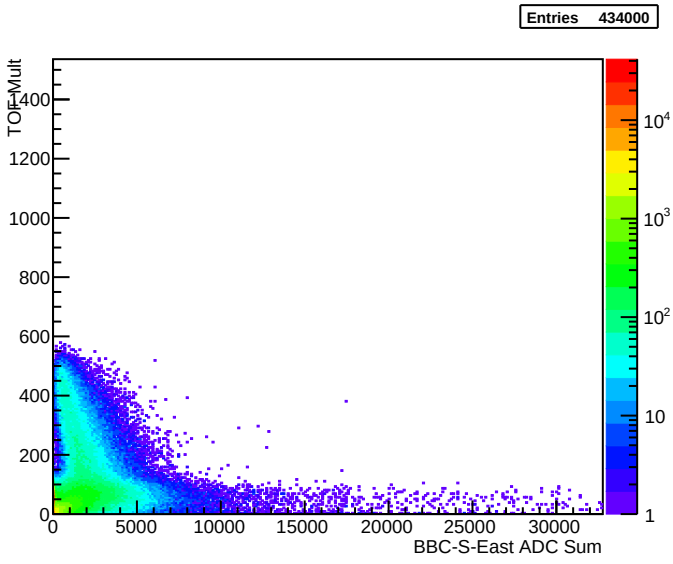

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

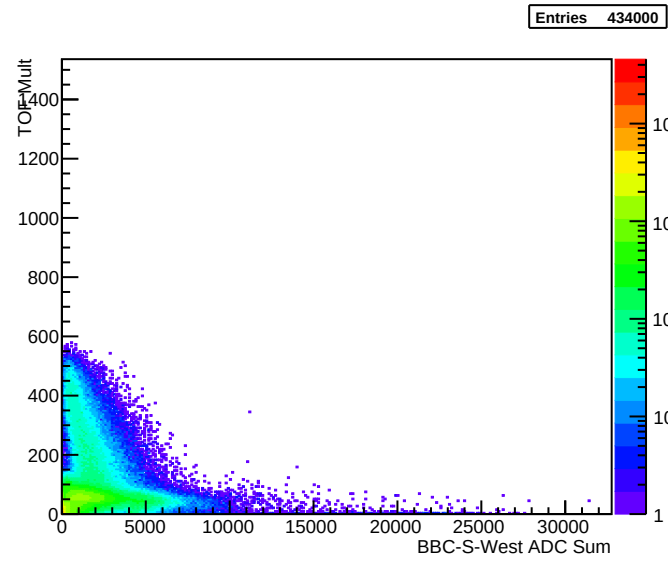

VT201 Input Ch4: VPD Tac Diff
Entries 434000
Tac

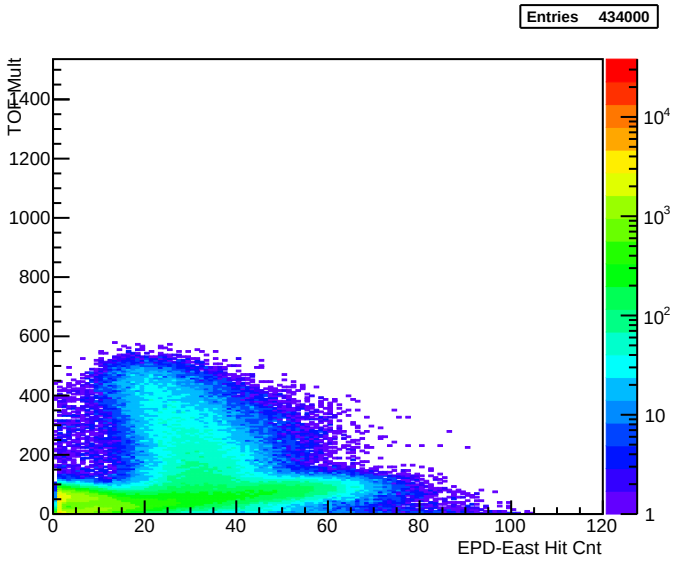

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

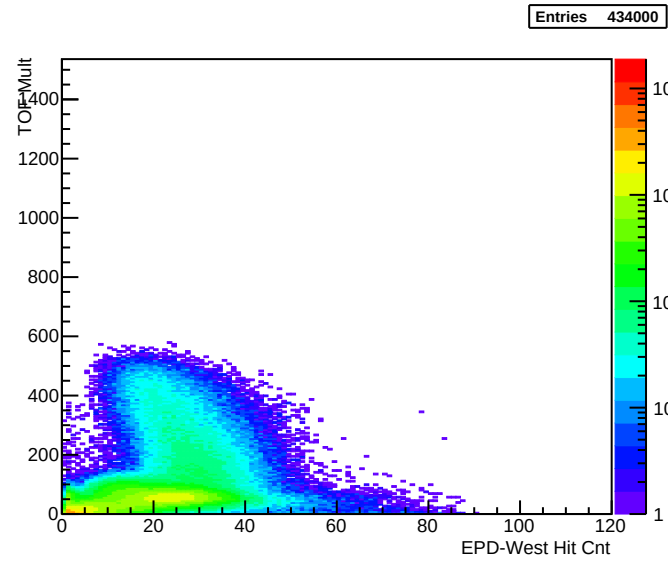

VT201 Input Ch4: VPD Adc Sum Th
Entries 868000
228340
335937
205660
98063
East
West

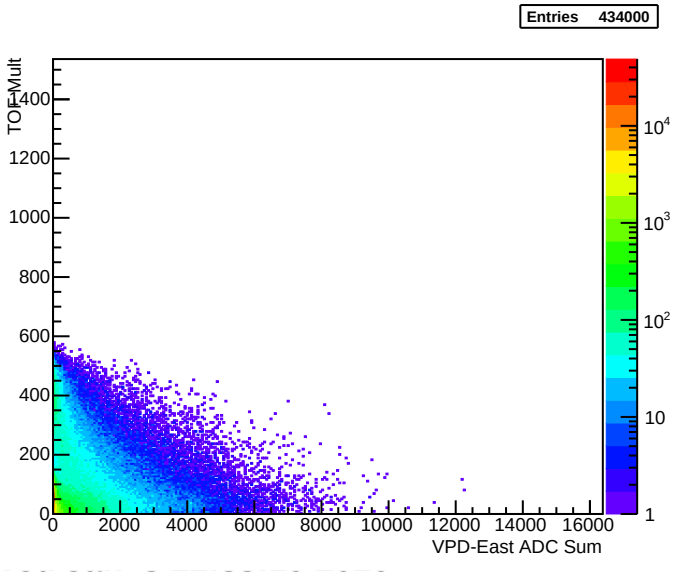

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

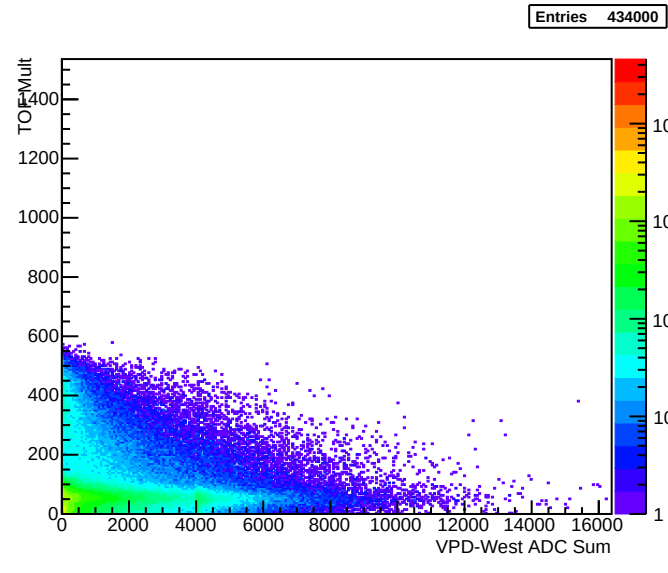

Entries 434000
TOF-Mult
BBC-S-East ADC Sum

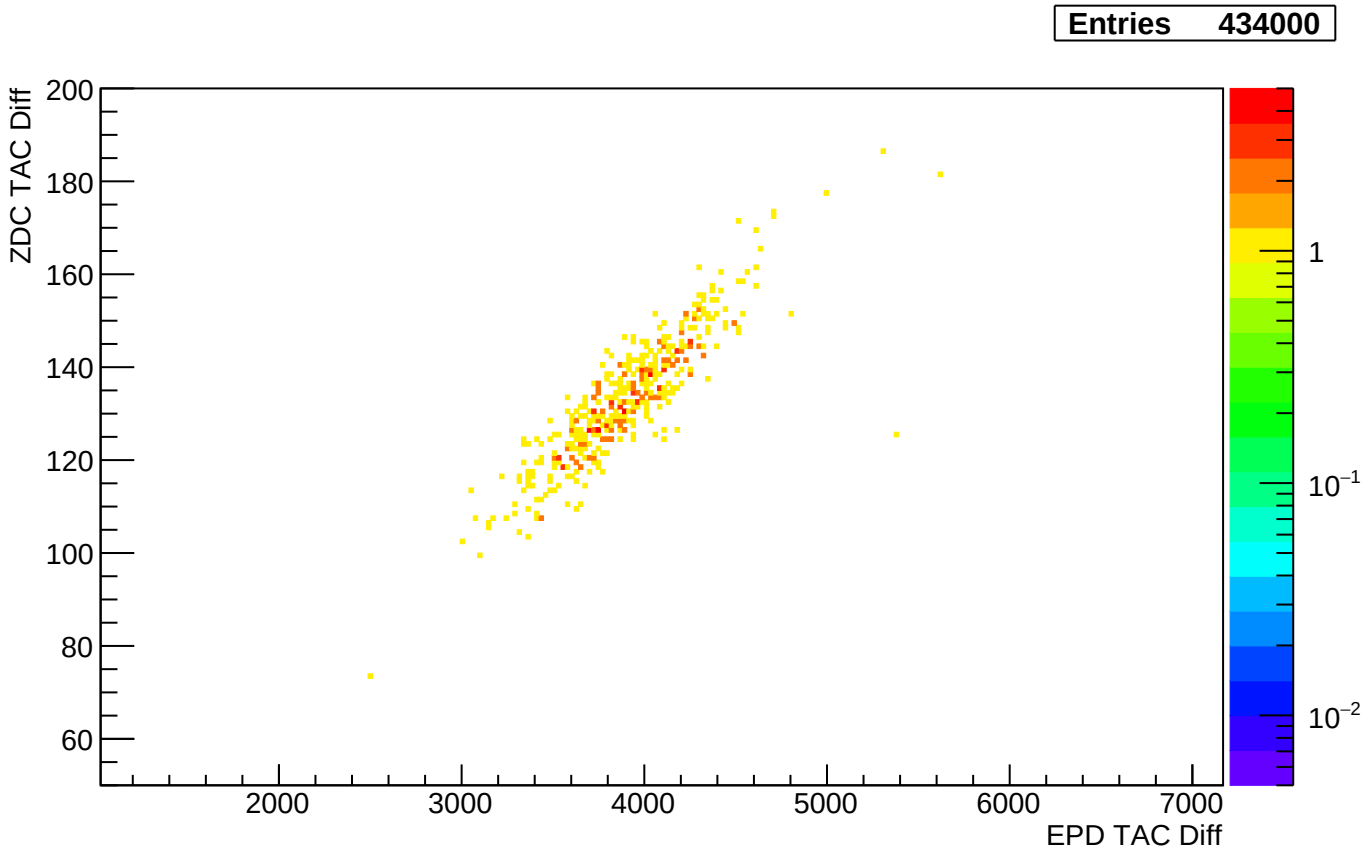

Entries 434000
TOF-Mult
BBC-S-West ADC Sum

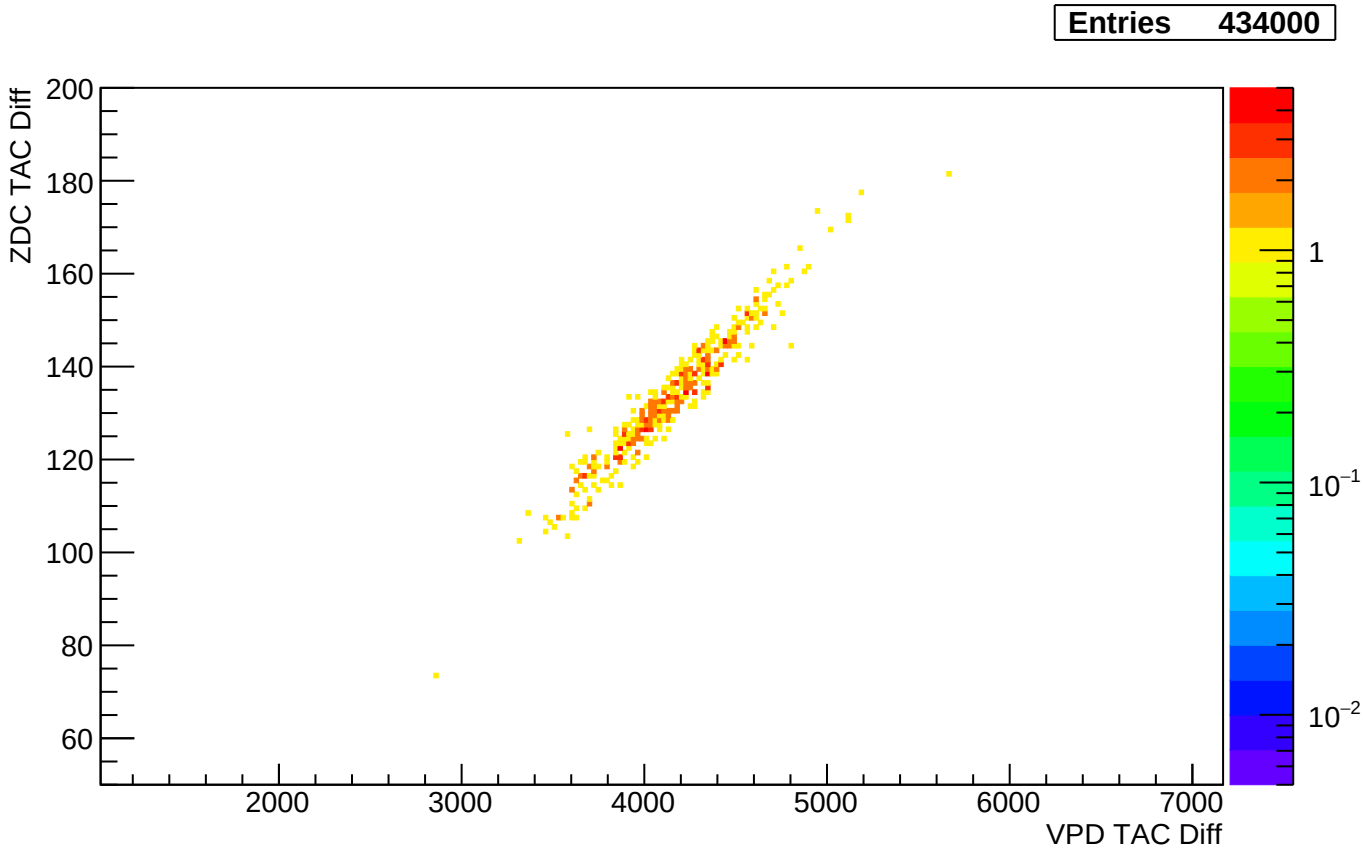

Entries 434000
TOF-Mult
EPD-East Hit Cnt

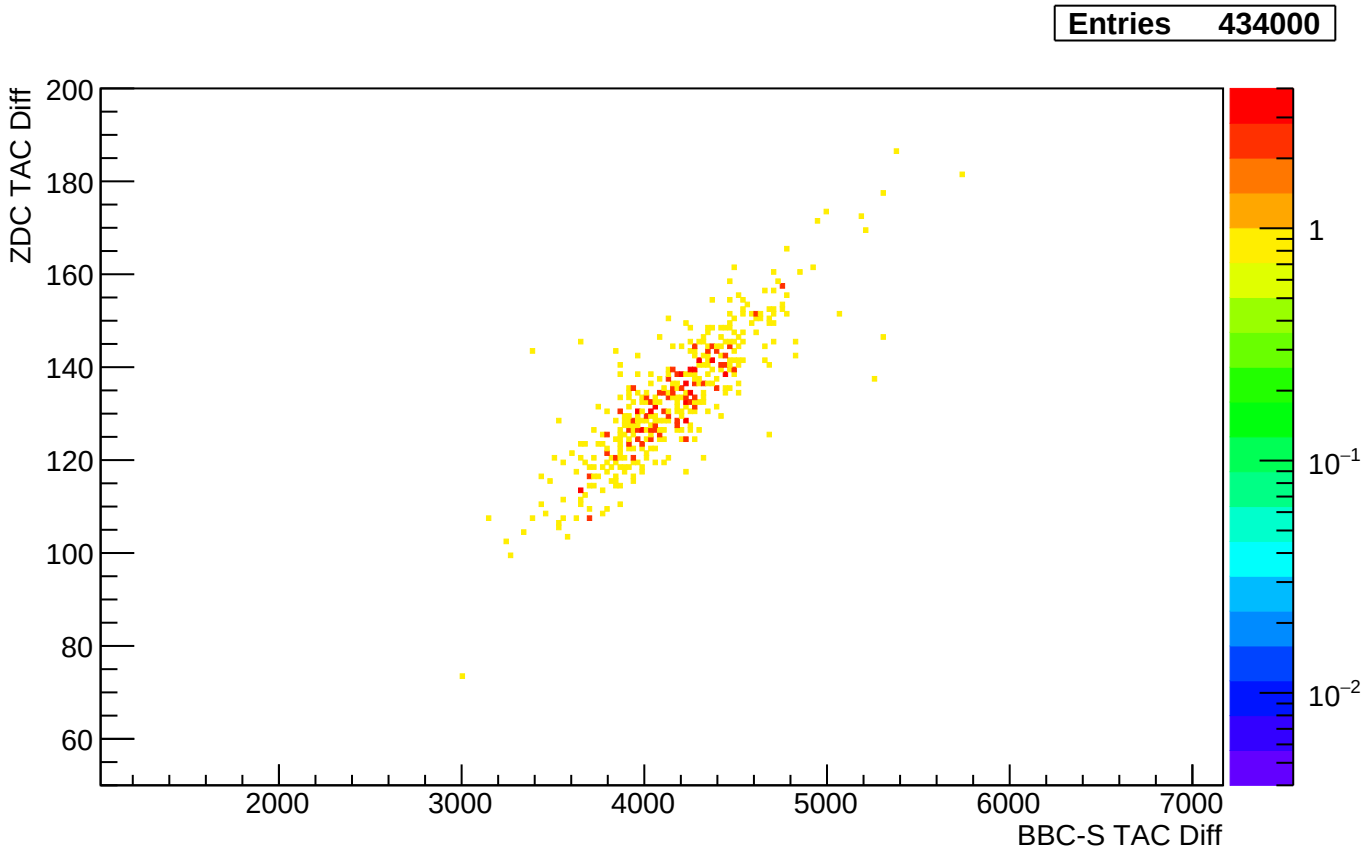

Entries 434000
TOF-Mult
EPD-West Hit Cnt

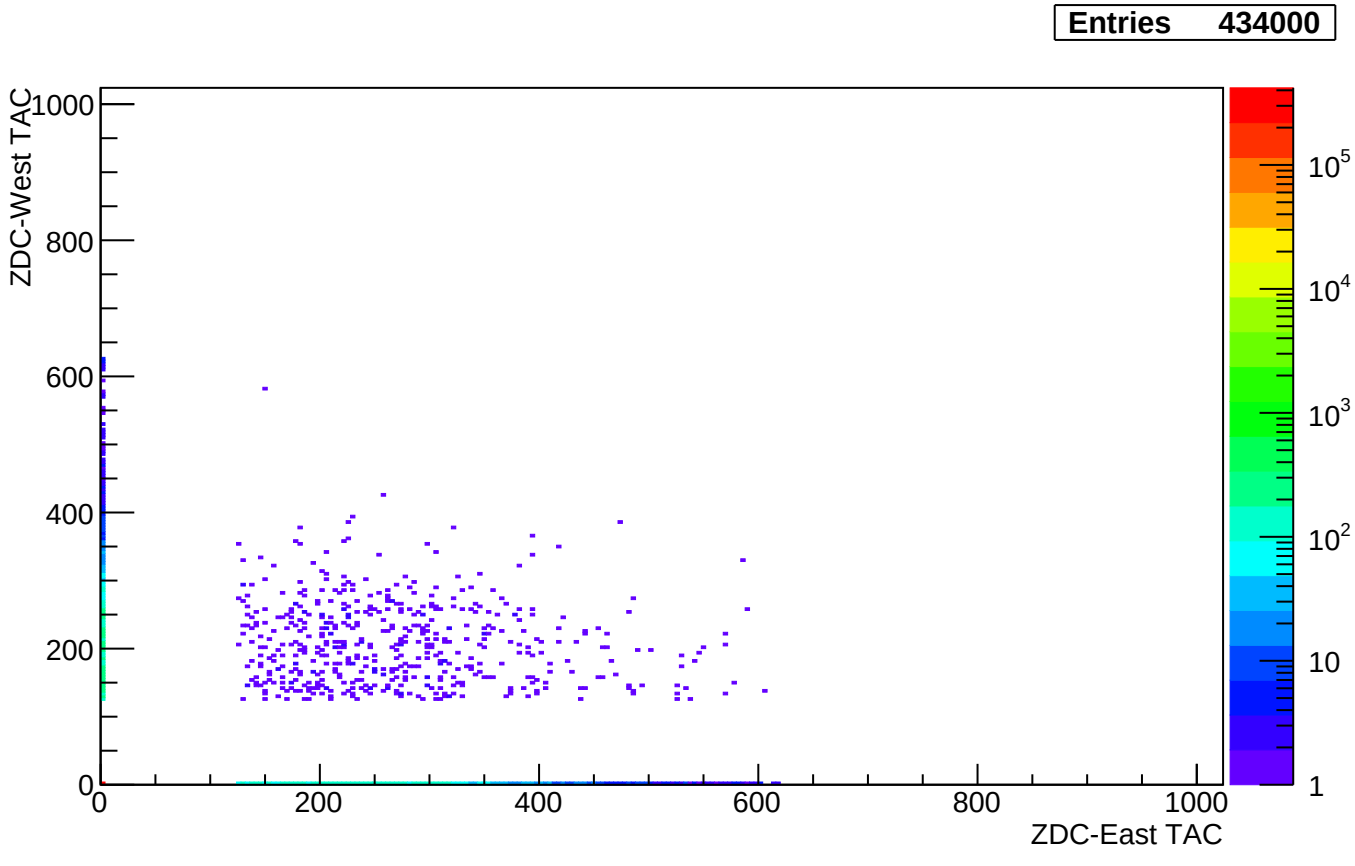

Entries 434000
TOF-Mult
VPD-East ADC Sum

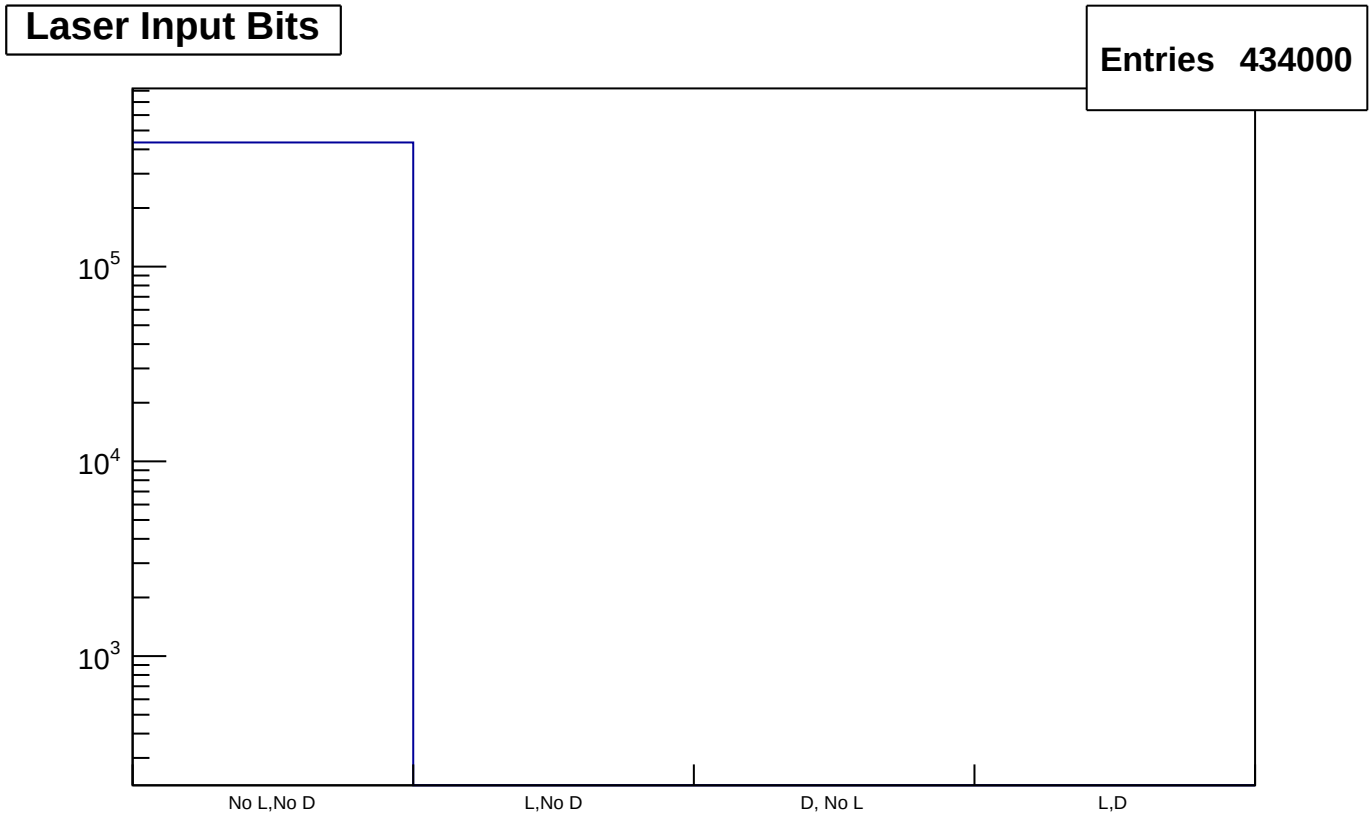

Entries 434000
TOF-Mult
VPD-West ADC Sum

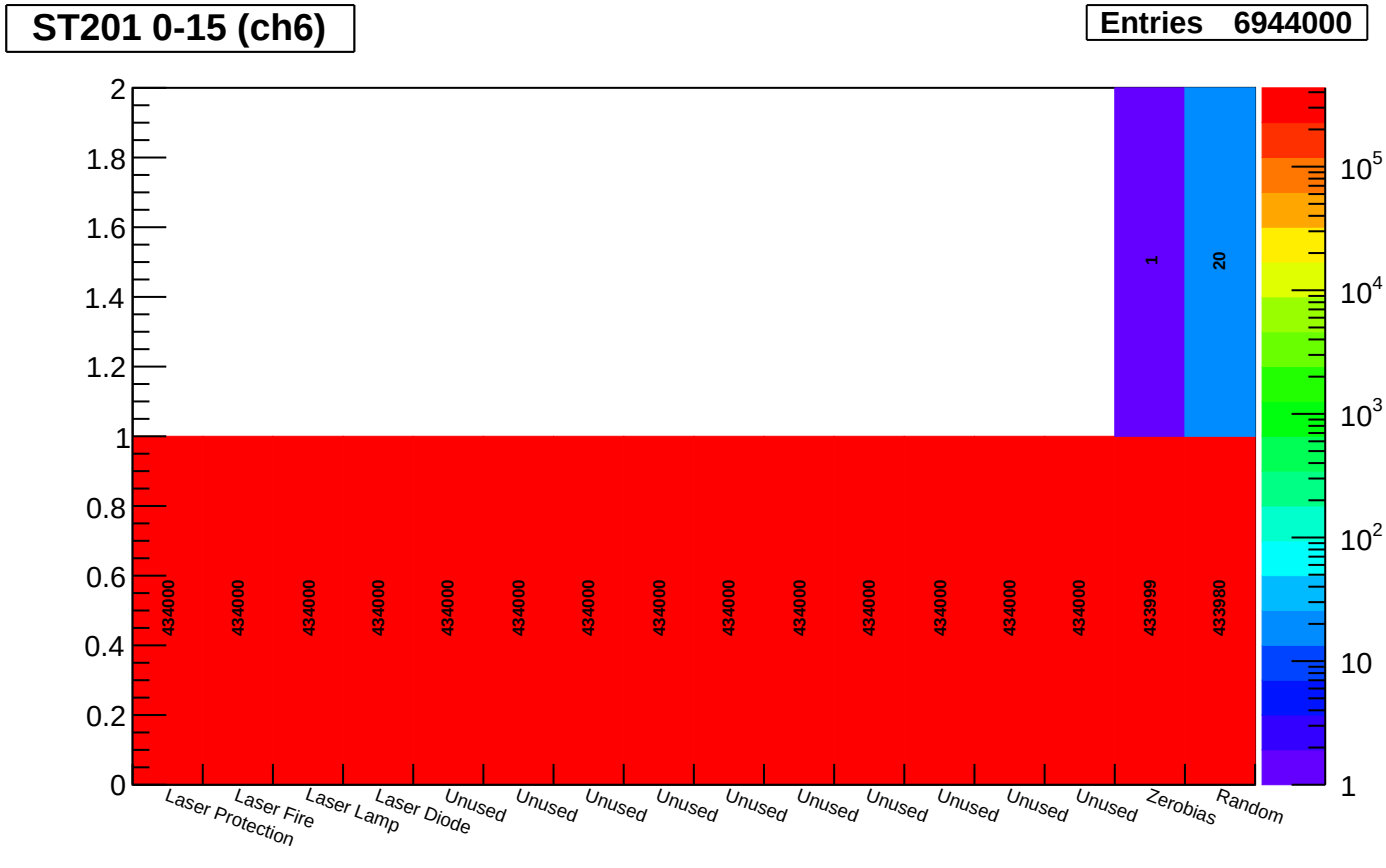

Entries 434000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

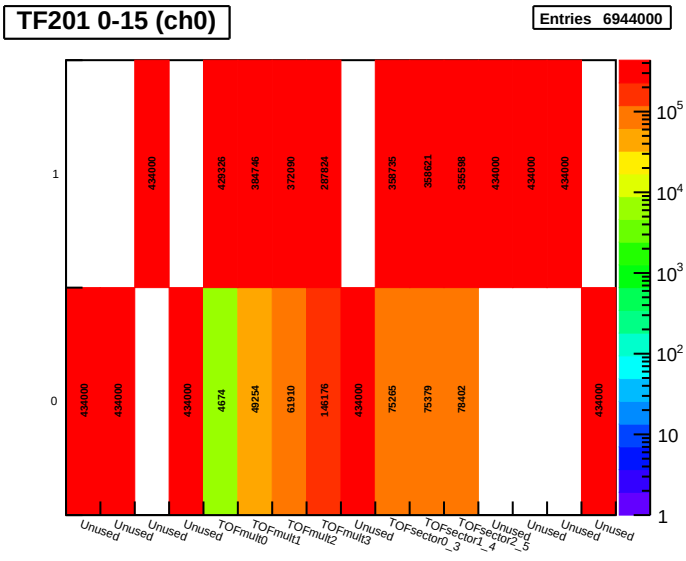

Entries 434000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

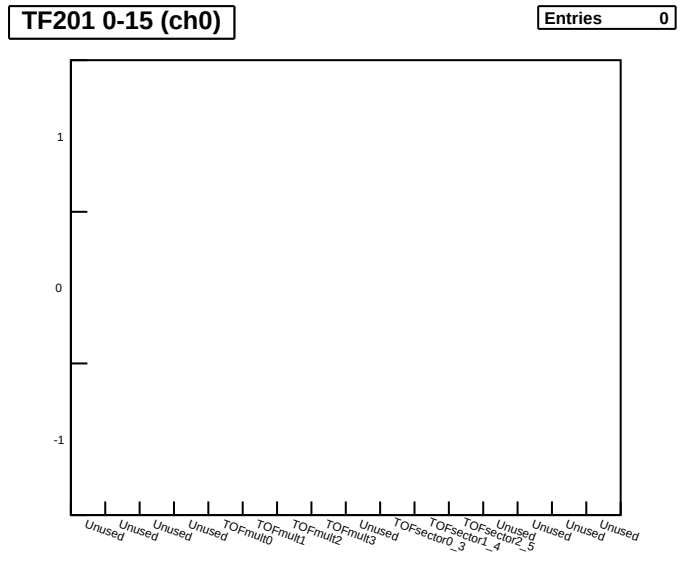

Entries 434000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

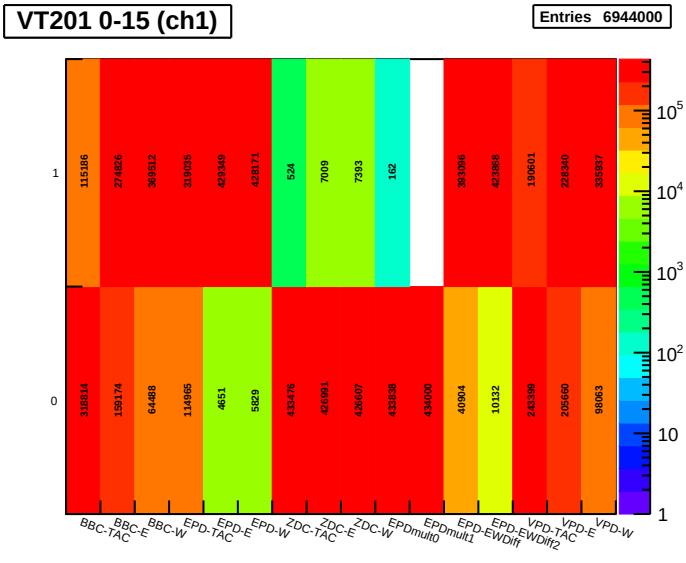

Entries 434000
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

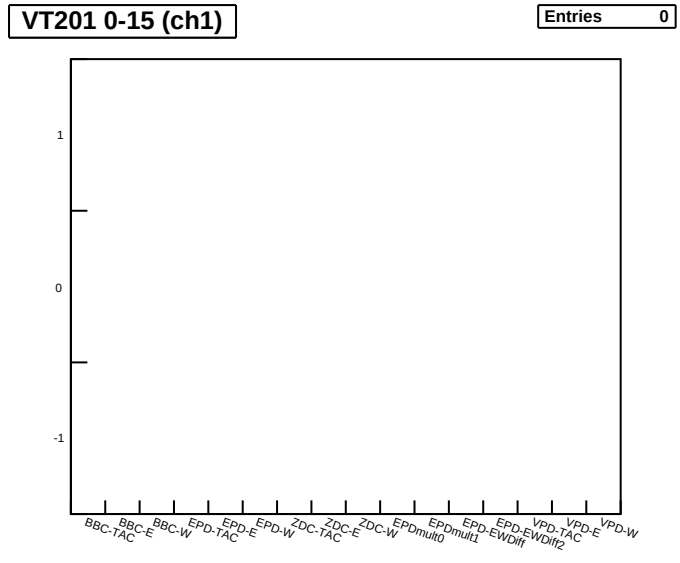

Laser Input Bits
Entries 434000
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

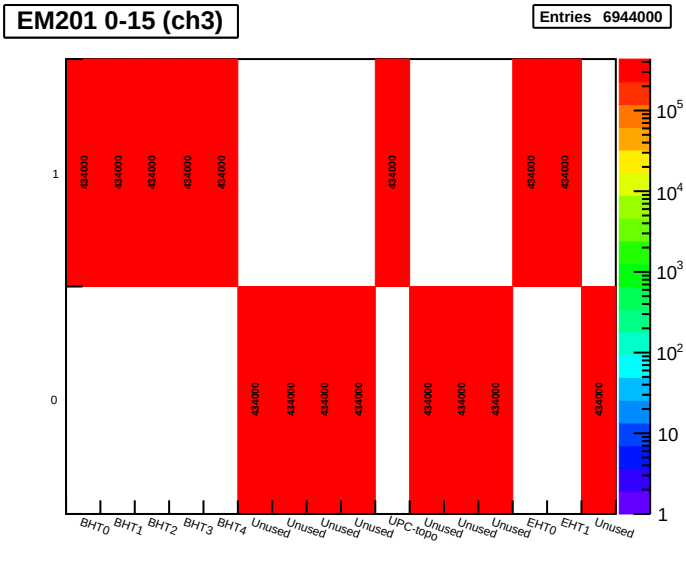

ST201 0-15 (ch6)
Entries 6944000
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
434000
434000
434000
434000
434000
434000
434000
434000
434000
434000
434000
434000
434000
434000
433999
433980
1
20
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

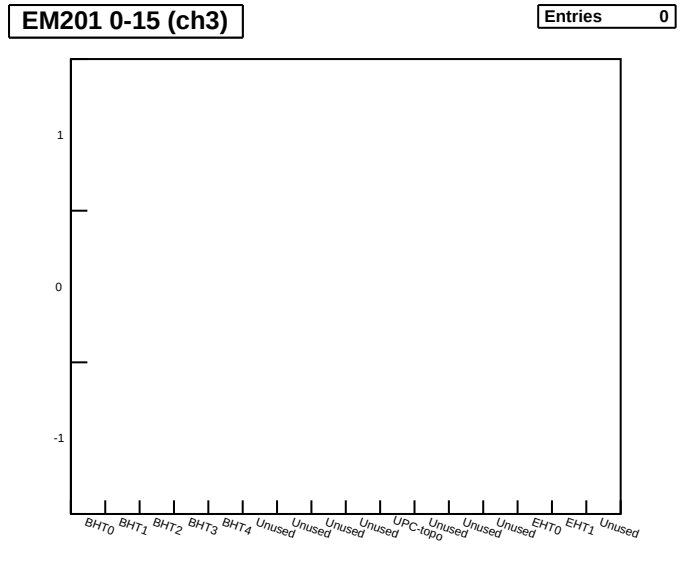

TF201 0-15 (ch0)
Entries 6944000
434000 434000 434000 434000 434000 429326 384746 372090 297824 358735 358621 355598 434000 434000 434000
434000 434000 434000 4674 49254 61910 146176 434000 75265 75379 78402 434000
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1
0
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 6944000
115186 274826 369512 319035 429349 428171 524 7009 7393 162 393096 423868 190601 228340 335937
318814 159174 64488 114965 4651 5829 433476 426991 426607 433838 434000 40904 10132 243399 205660 98063
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
1
0
10^5
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
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
1
0
-1


EM201 0-15 (ch3)
Entries 6944000
434000 434000 434000 434000 434000 434000 434000 434000
434000 434000 434000 434000 434000 434000 434000 434000
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
10^5
10^4
10^3
10^2
10
1


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