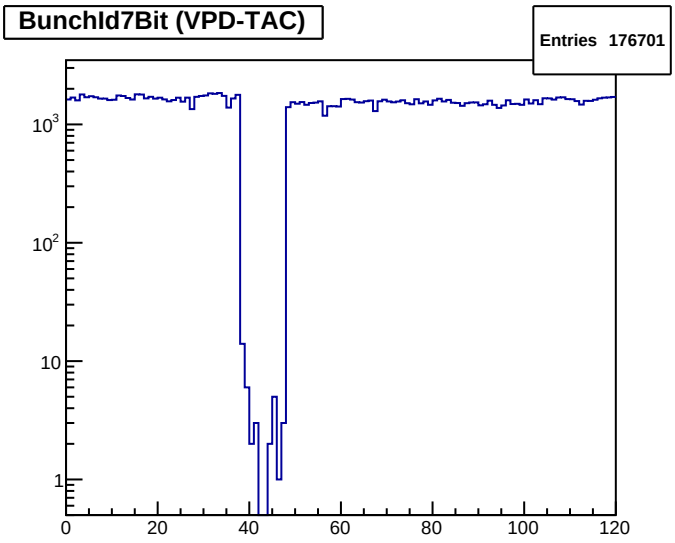
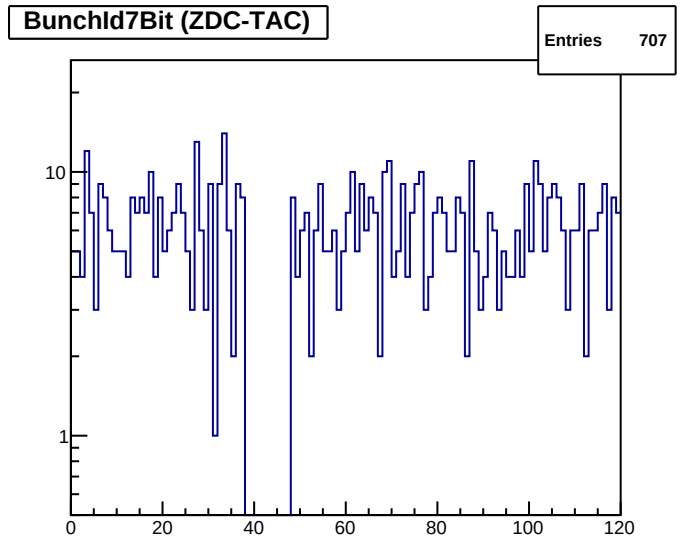
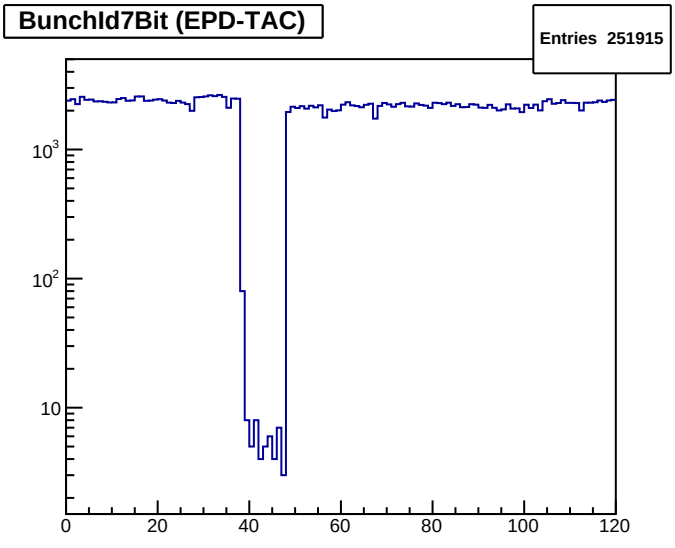
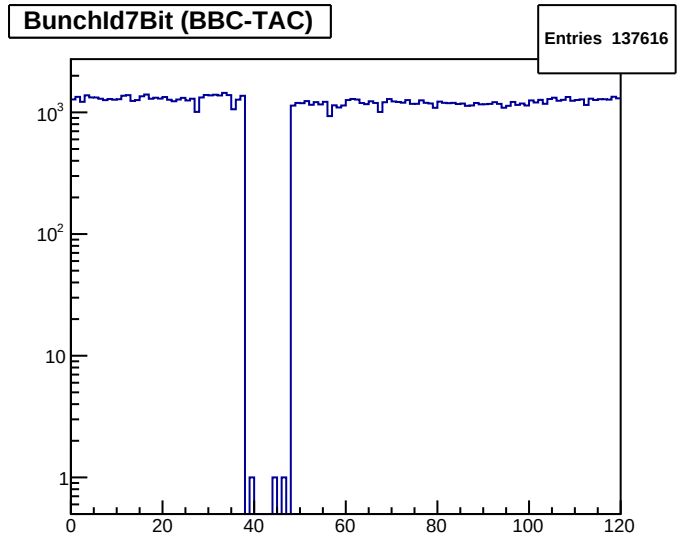
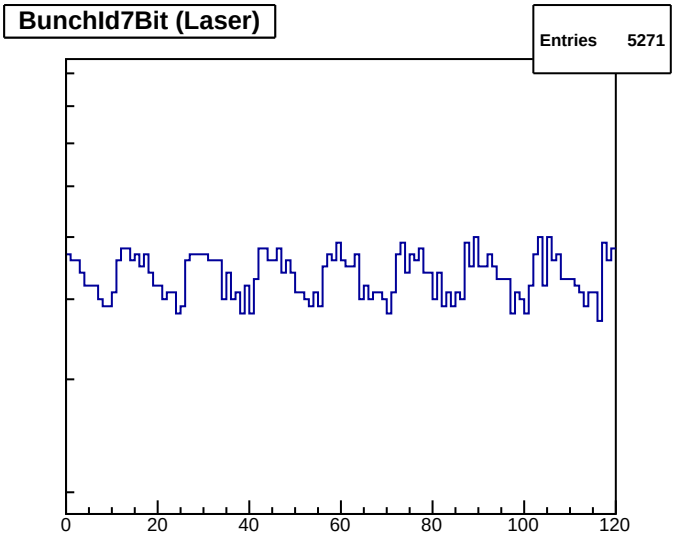
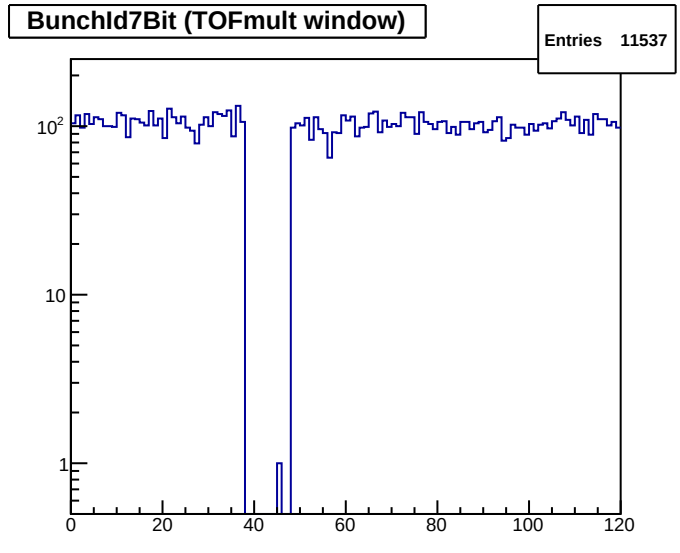

BunchId7Bit (VPD-TAC)
Entries 176701

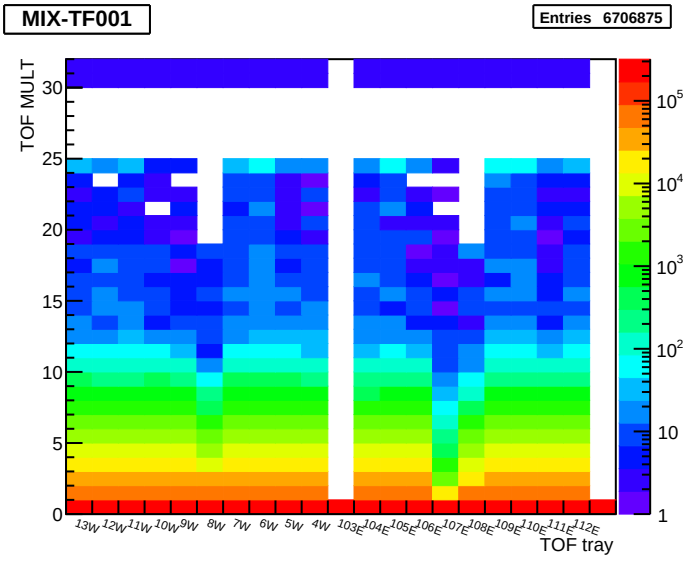

BunchId7Bit (ZDC-TAC)
Entries 707

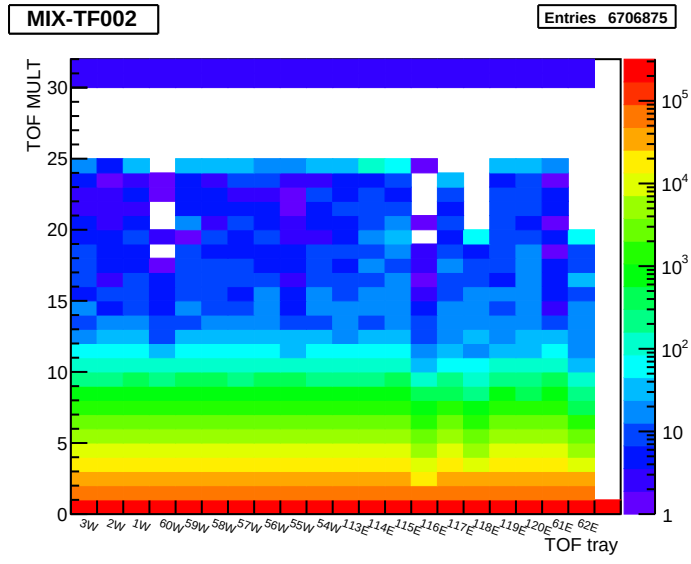

BunchId7Bit (EPD-TAC)
Entries 251915

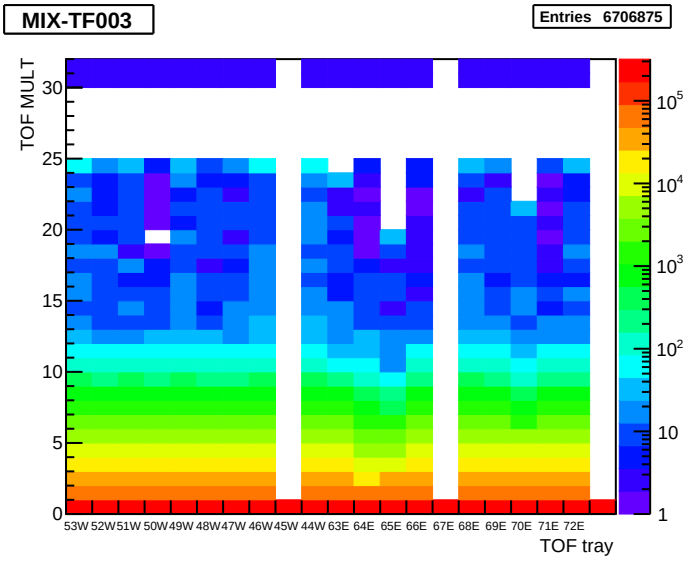

BunchId7Bit (BBC-TAC)
Entries 137616

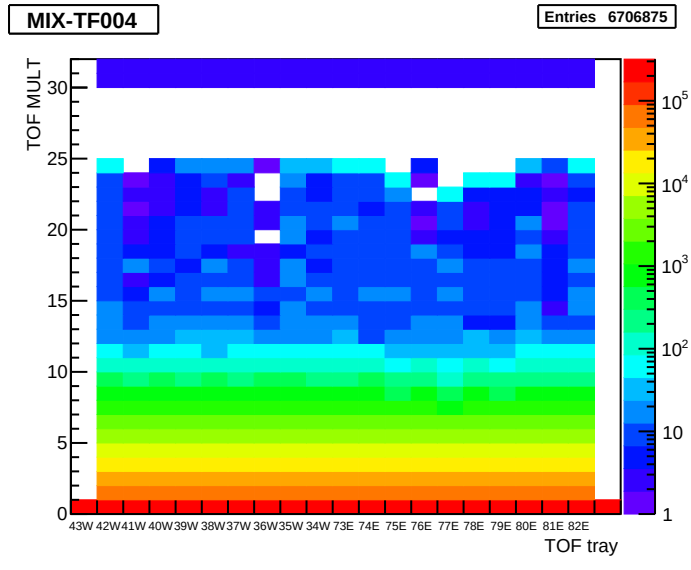

BunchId7Bit (Laser)
Entries 5271

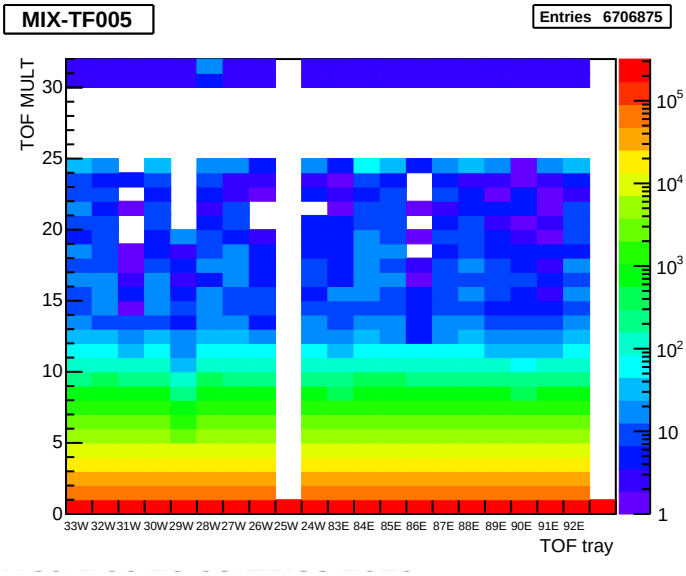

BunchId7Bit (TOFmult window)
Entries 11537

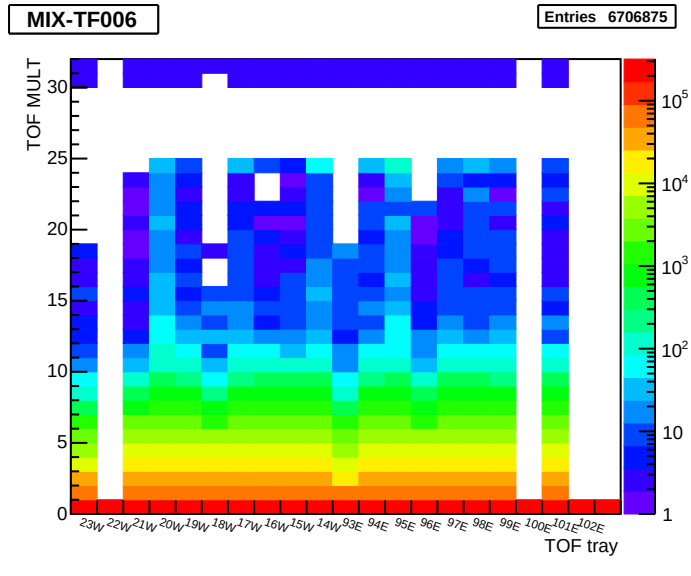

MIX-TF001
Entries 6706875
TOF MULT
TOF tray

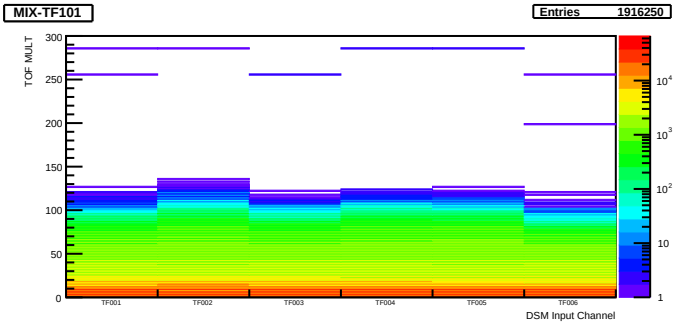

MIX-TF002
Entries 6706875
TOF MULT
TOF tray

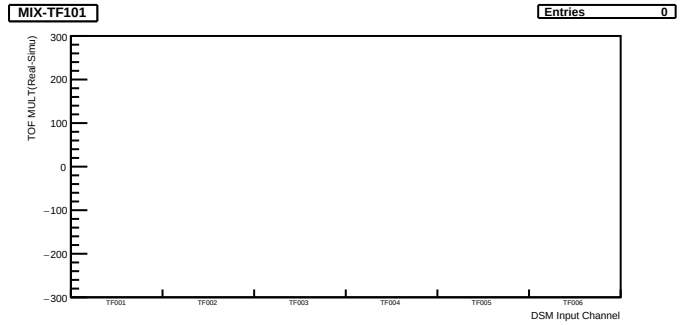

MIX-TF003
Entries 6706875
TOF MULT
TOF tray

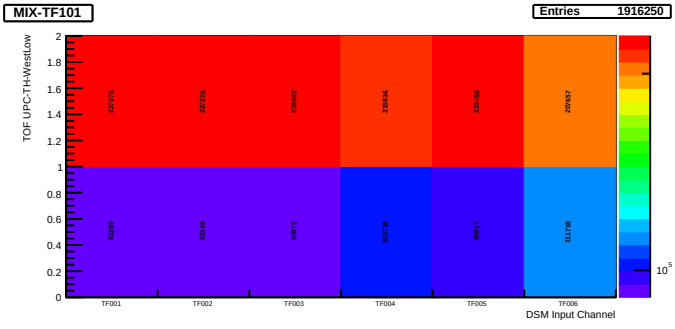

MIX-TF004
Entries 6706875
TOF MULT
TOF tray

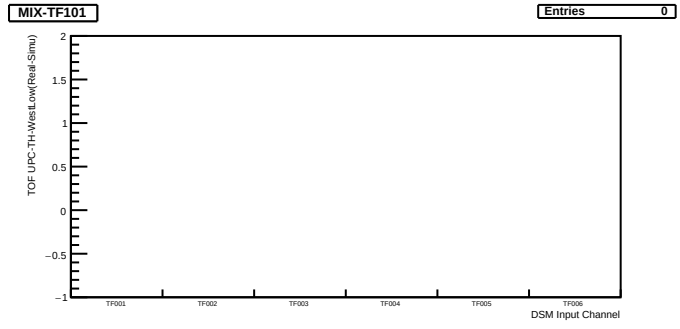

MIX-TF005
Entries 6706875
TOF MULT
TOF tray

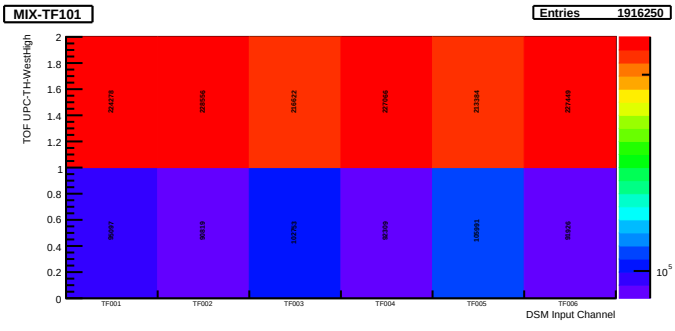

MIX-TF006
Entries 6706875
TOF MULT
TOF tray

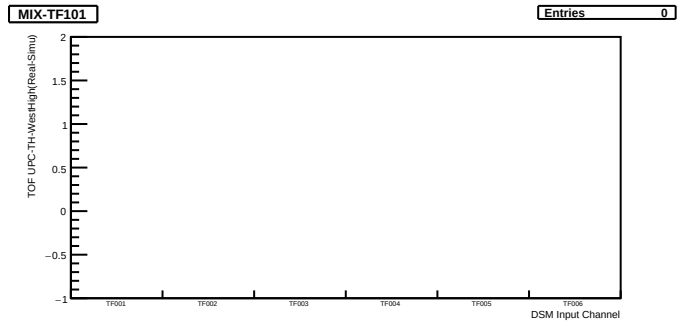

MIX-TF101
Entries 1916250
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

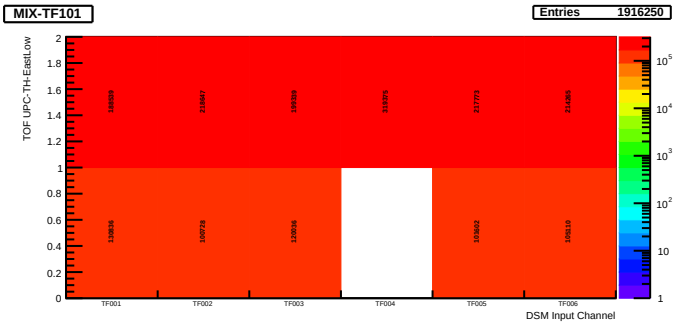

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

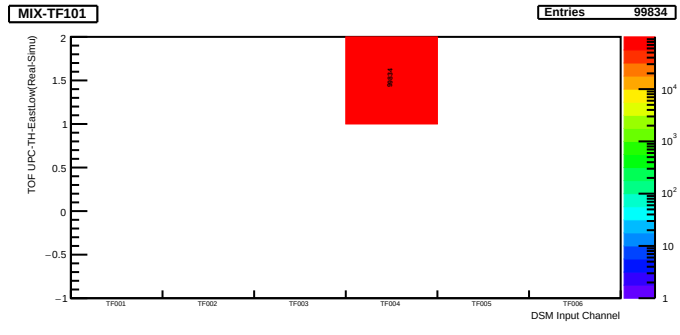

MIX-TF101
Entries 1916250
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

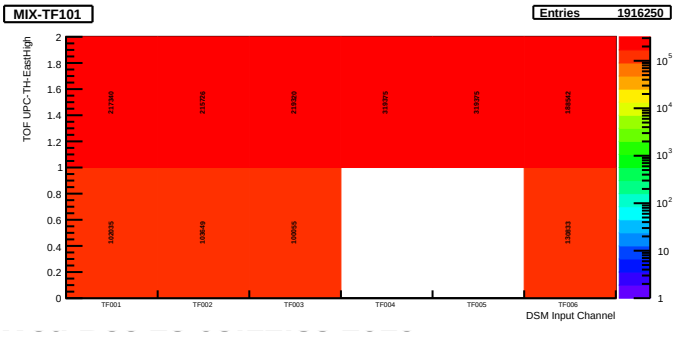

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

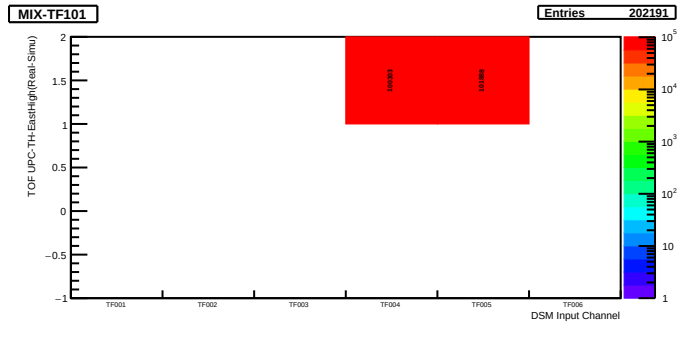

MIX-TF101
Entries 1916250
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

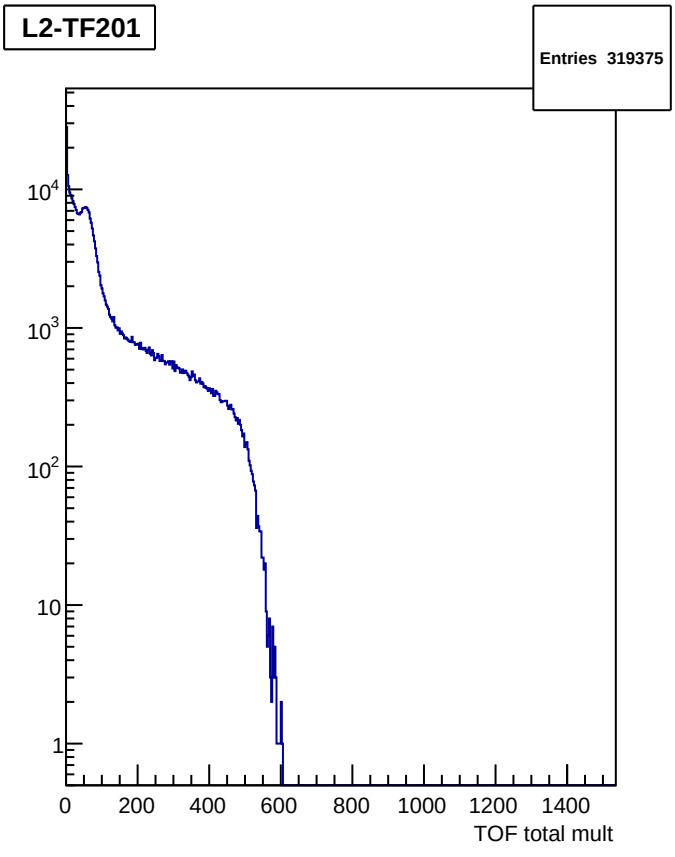

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

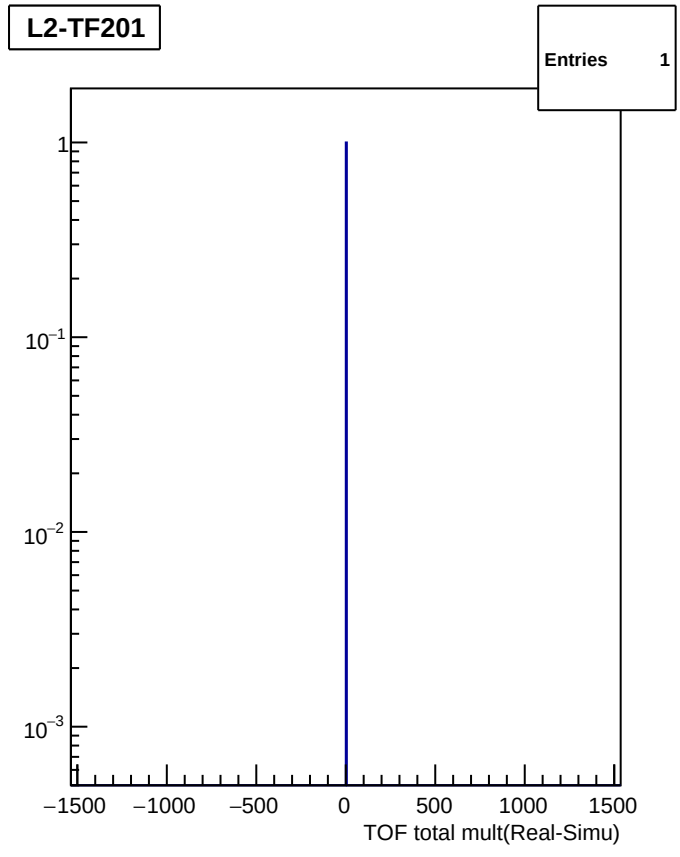

MIX-TF101
Entries 1916250
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

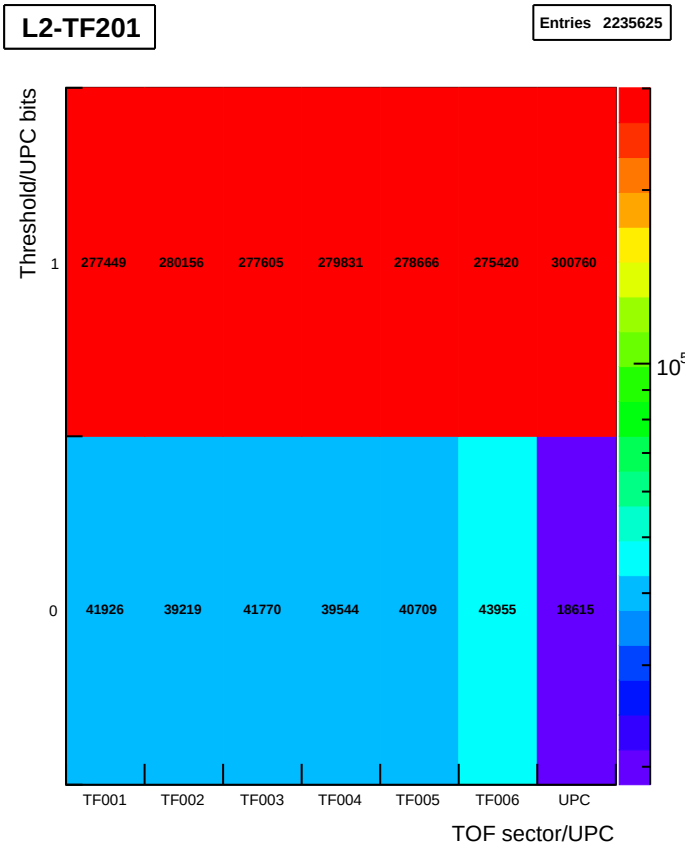

MIX-TF101
Entries 99834
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

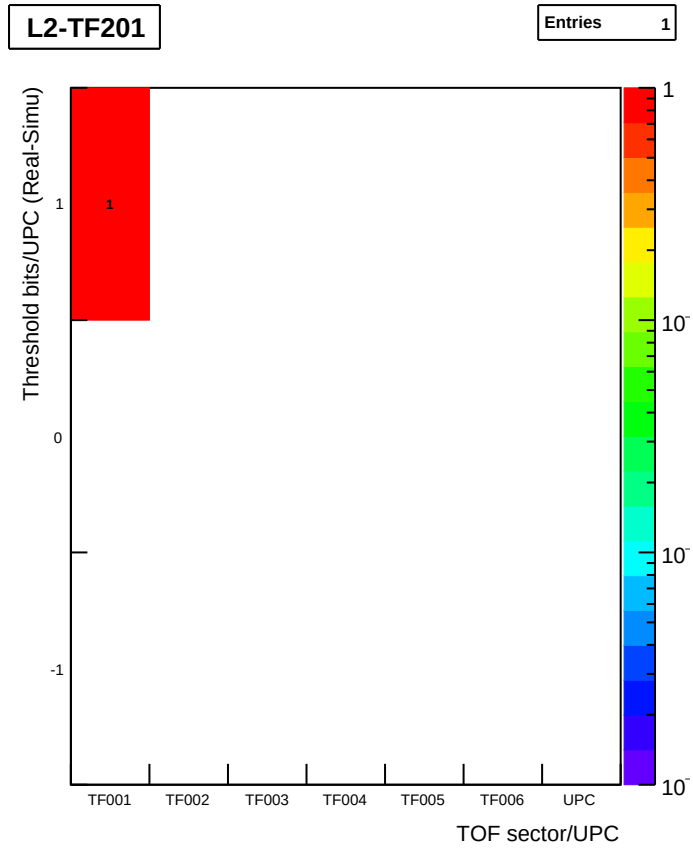

MIX-TF101
Entries 1916250
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

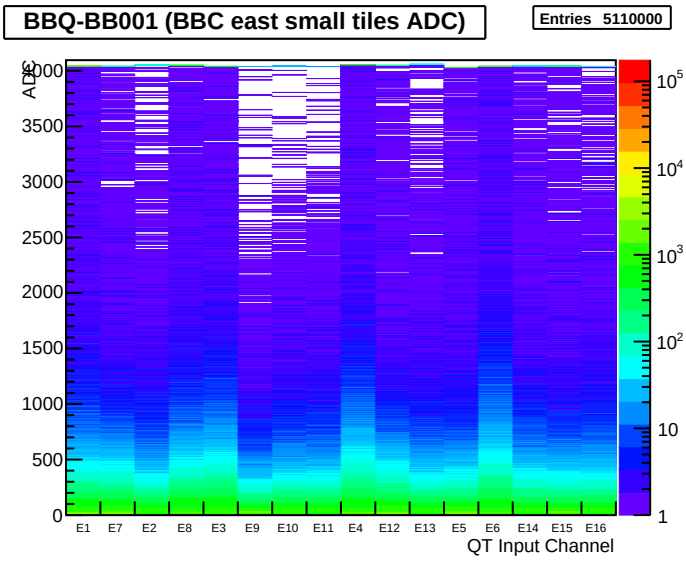

MIX-TF101
Entries 202191
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

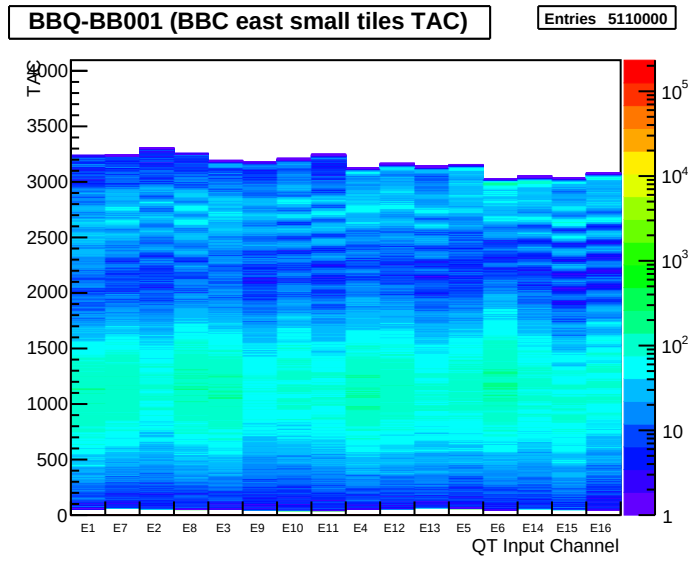

L2-TF201
Entries 319375
TOF total mult

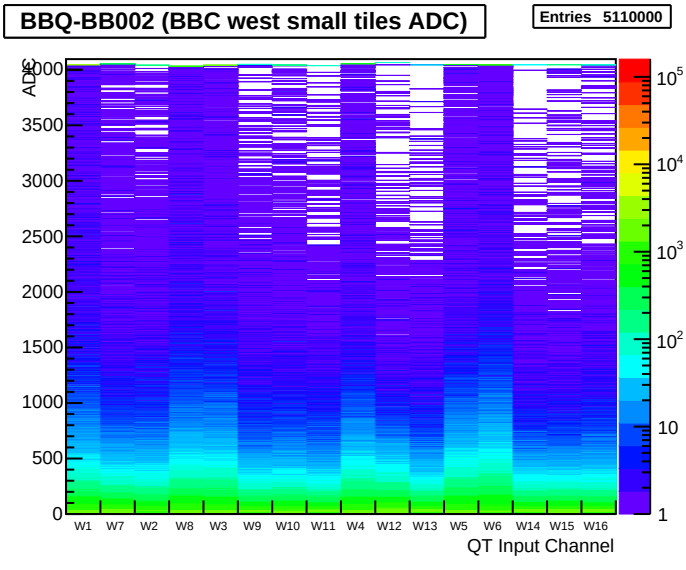

L2-TF201
Entries 1
TOF total mult(Real-Simu)

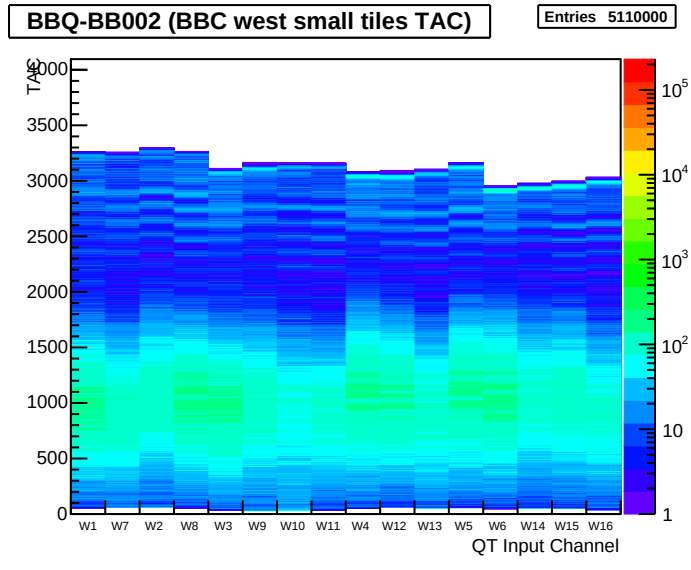

L2-TF201
Entries 2235625
Threshold/UPC bits
277449
280156
277605
279831
278666
275420
300760
41926
39219
41770
39544
40709
43955
18615
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

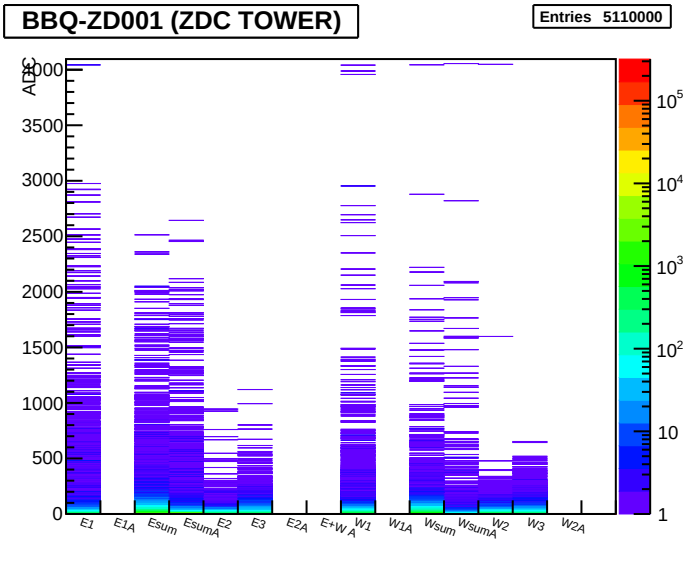

L2-TF201
Entries 1
Threshold bits/UPC (Real-Simu)
1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

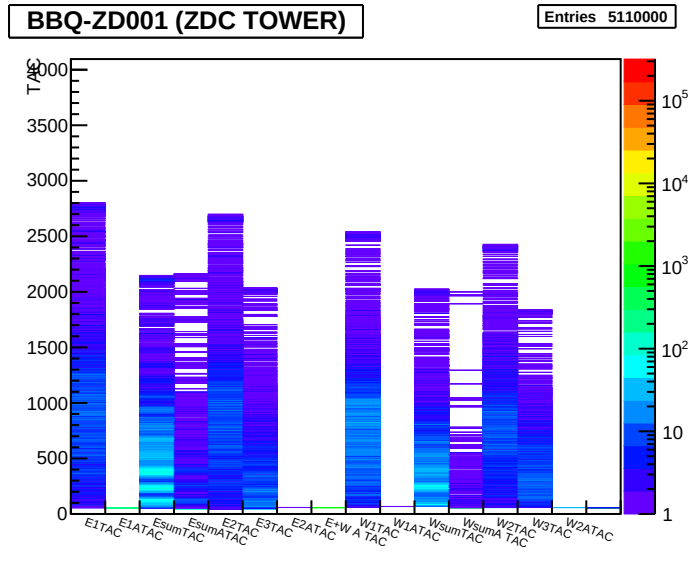

BBQ-BB001 (BBC east small tiles ADC)
Entries 5110000
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

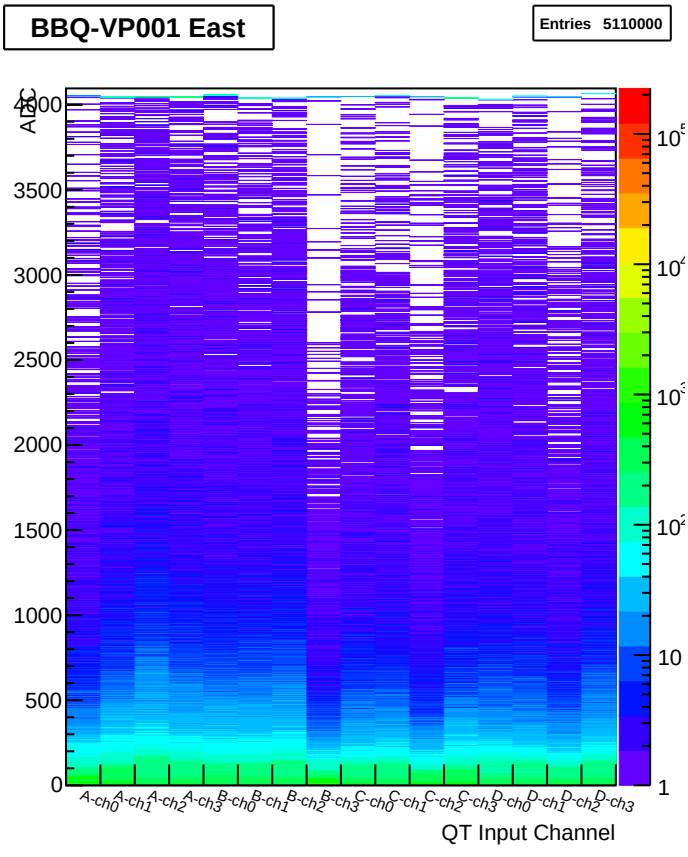

BBQ-BB001 (BBC east small tiles TAC)
Entries 5110000
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

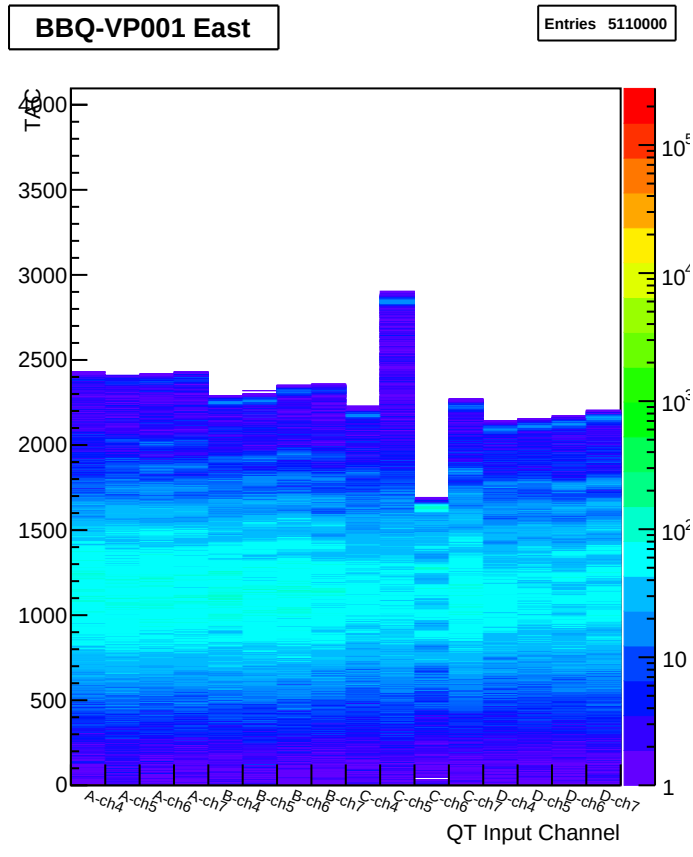

BBQ-BB002 (BBC west small tiles ADC)
Entries 5110000
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

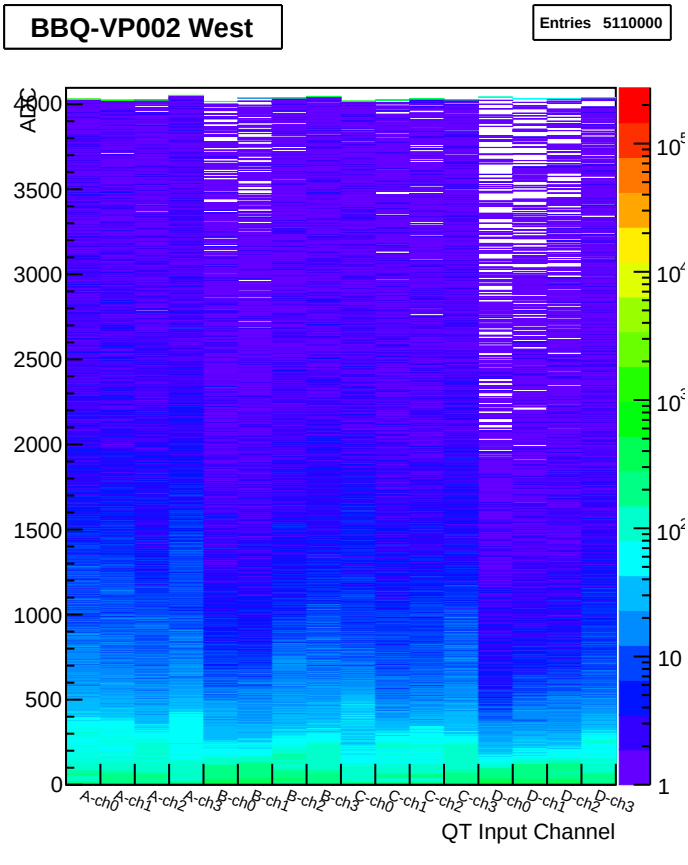

BBQ-BB002 (BBC west small tiles TAC)
Entries 5110000
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

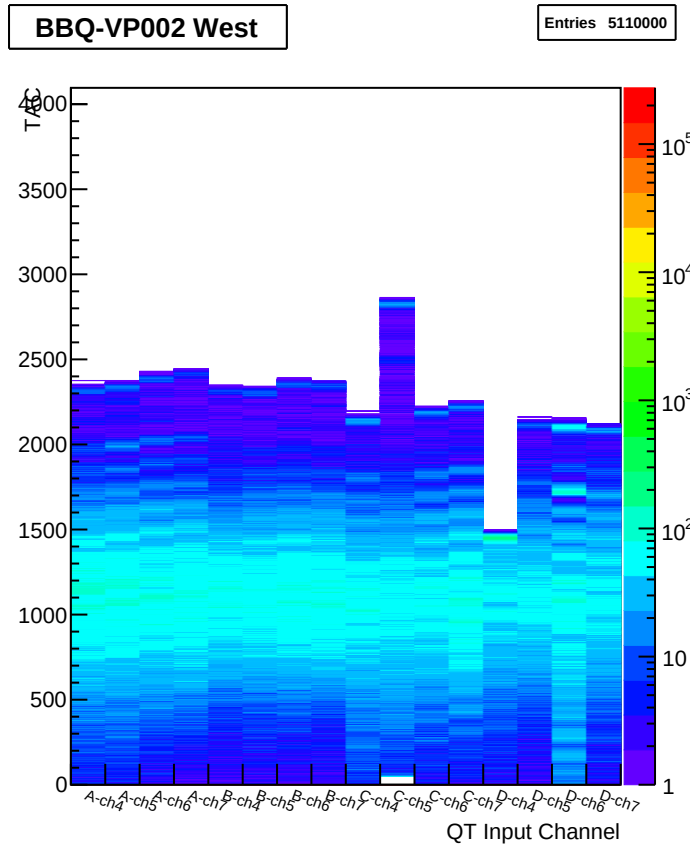

BBQ-ZD001 (ZDC TOWER)
Entries 5110000
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

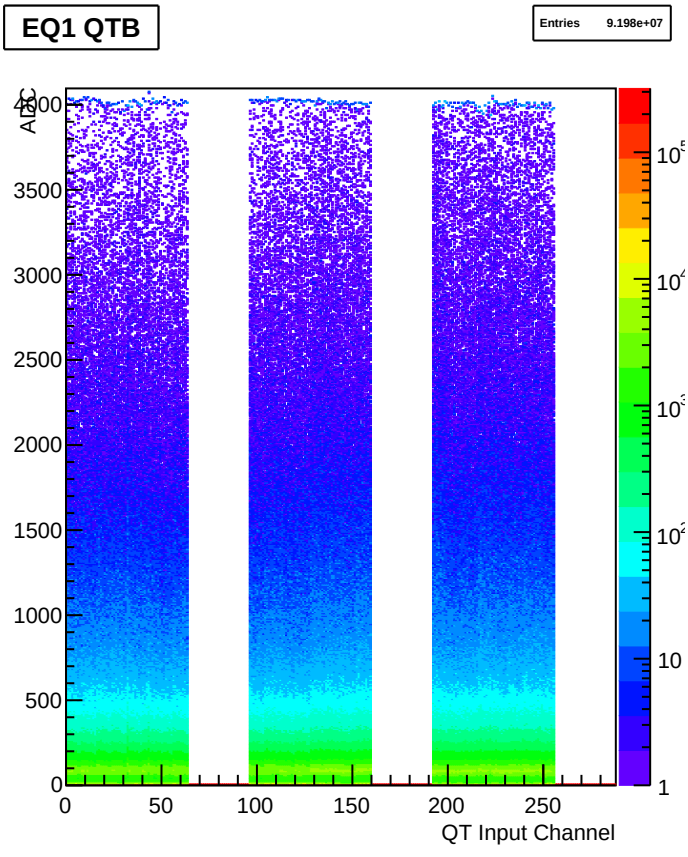

BBQ-ZD001 (ZDC TOWER)
Entries 5110000
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

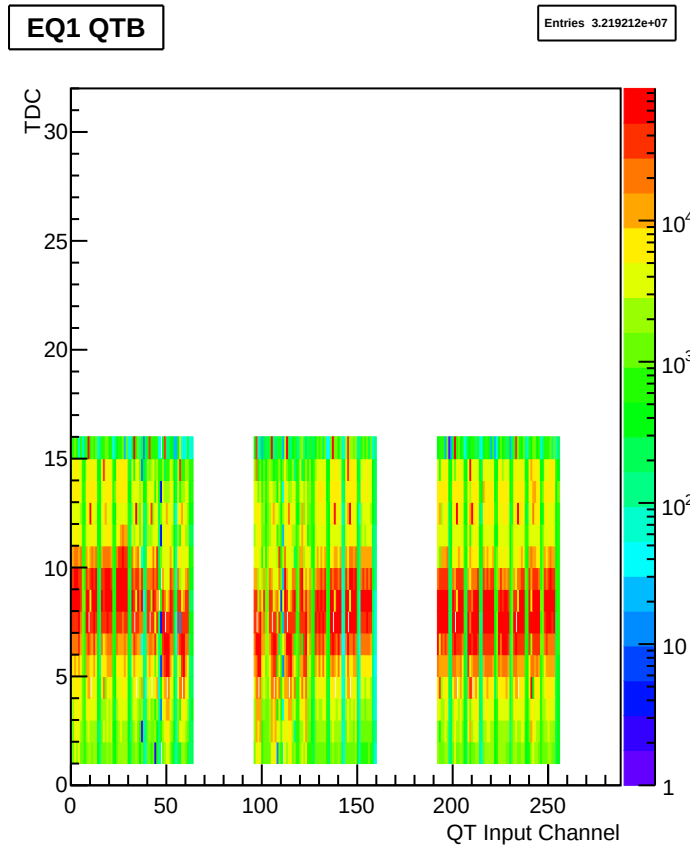

BBQ-VP001 East
Entries 5110000
ADC
QT Input Channel

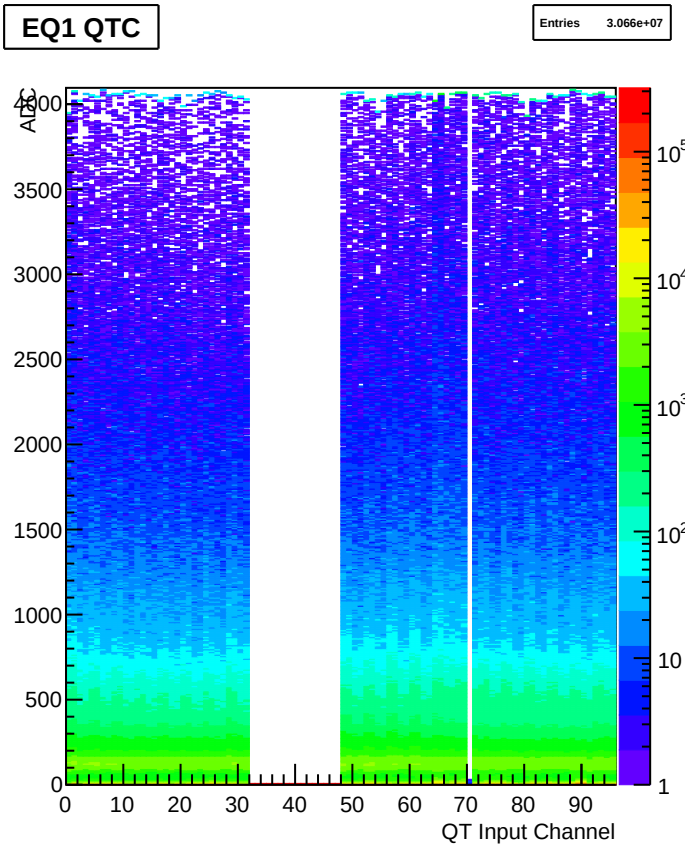

BBQ-VP001 East
Entries 5110000
TADC
QT Input Channel

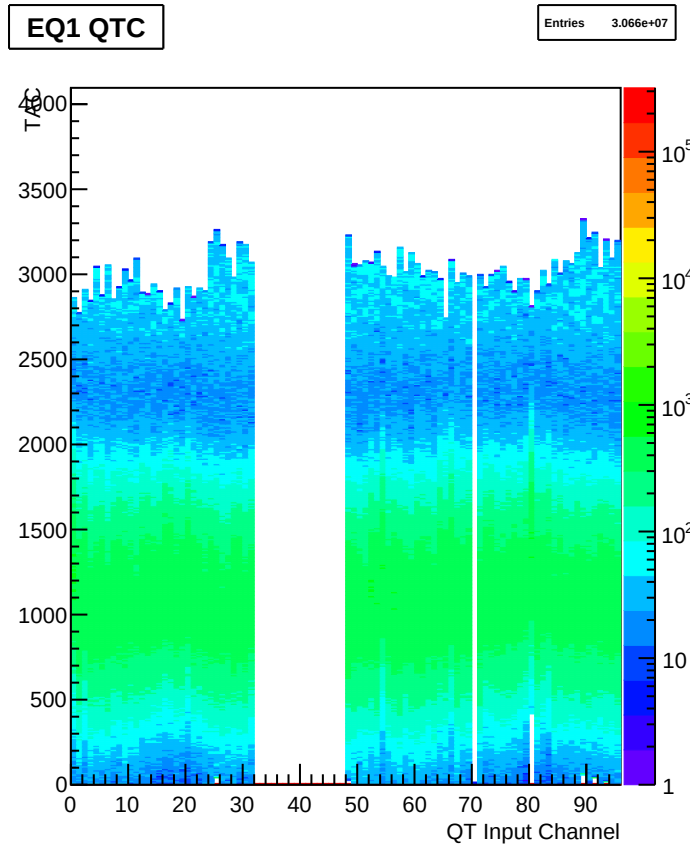

BBQ-VP002 West
Entries 5110000
ADC
QT Input Channel

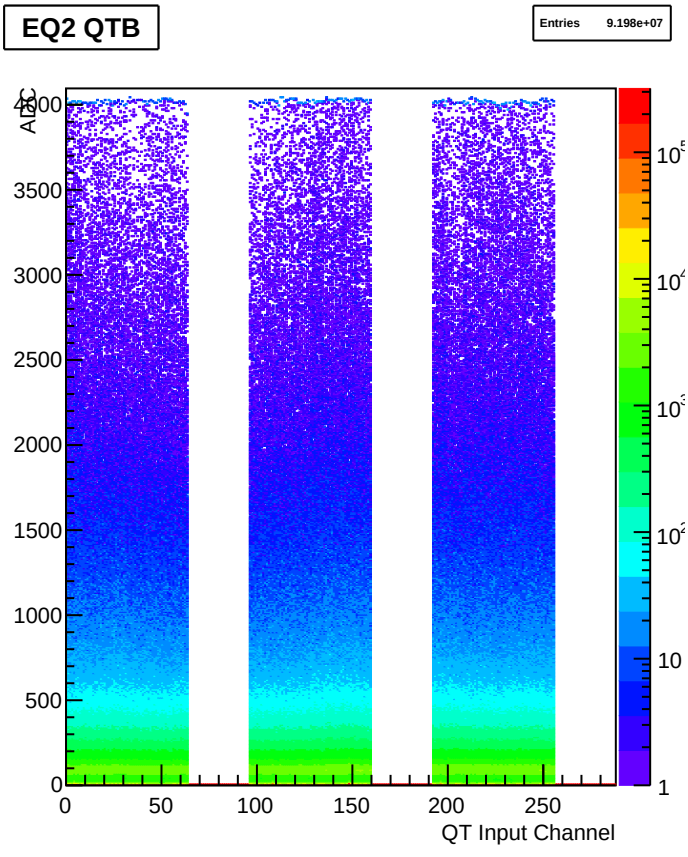

BBQ-VP002 West
Entries 5110000
TADC
QT Input Channel

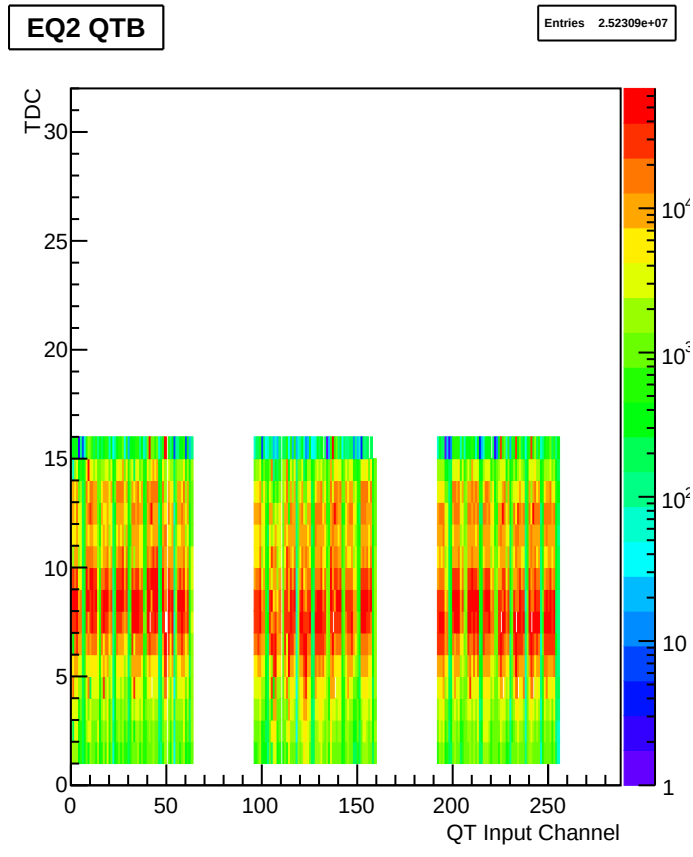

EQ1 QTB
Entries 9.198e+07
ADC
QT Input Channel

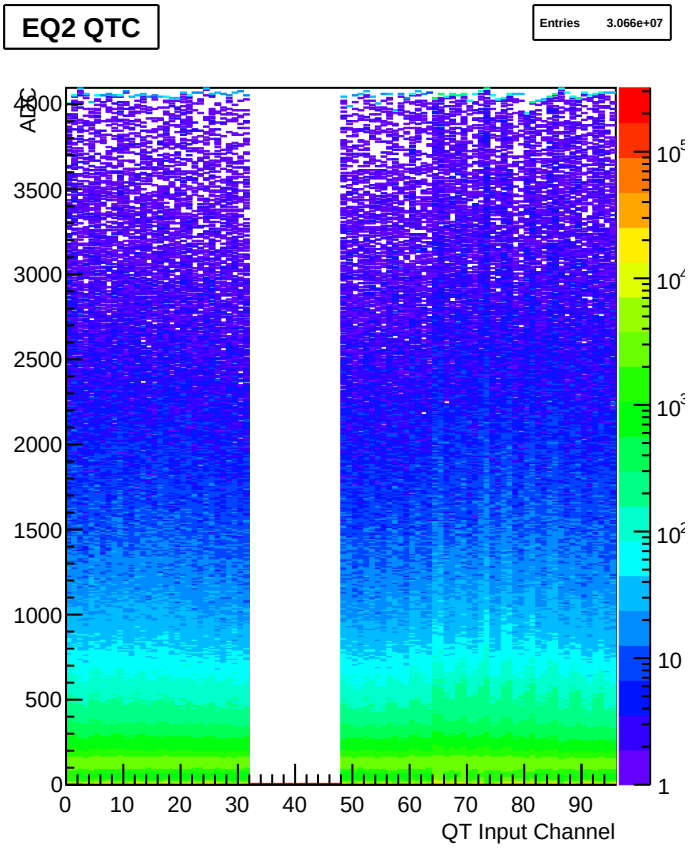

EQ1 QTB
Entries 3.219212e+07
TDC
QT Input Channel

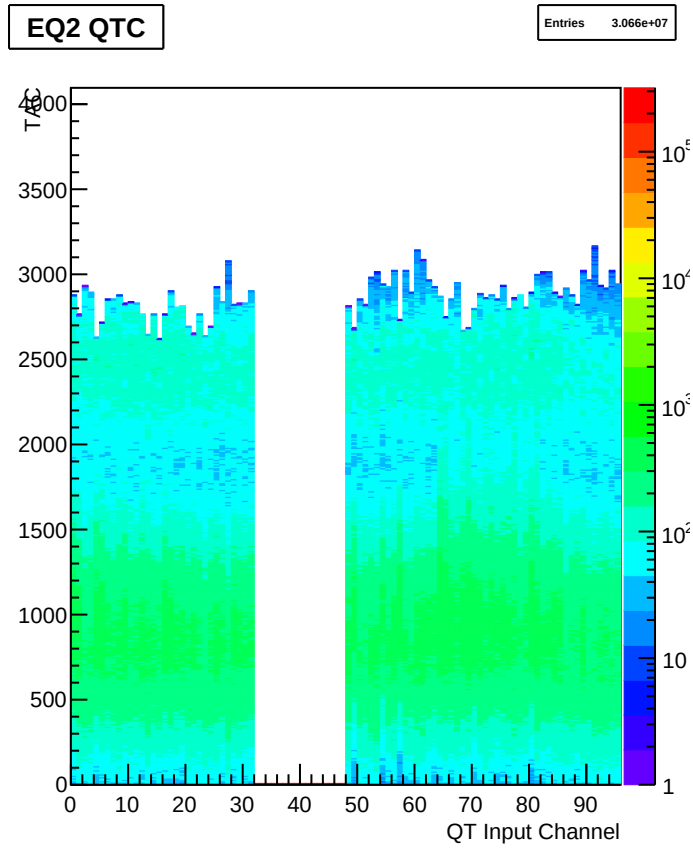

EQ1 QTC
Entries 3.066e+07
ADC
QT Input Channel

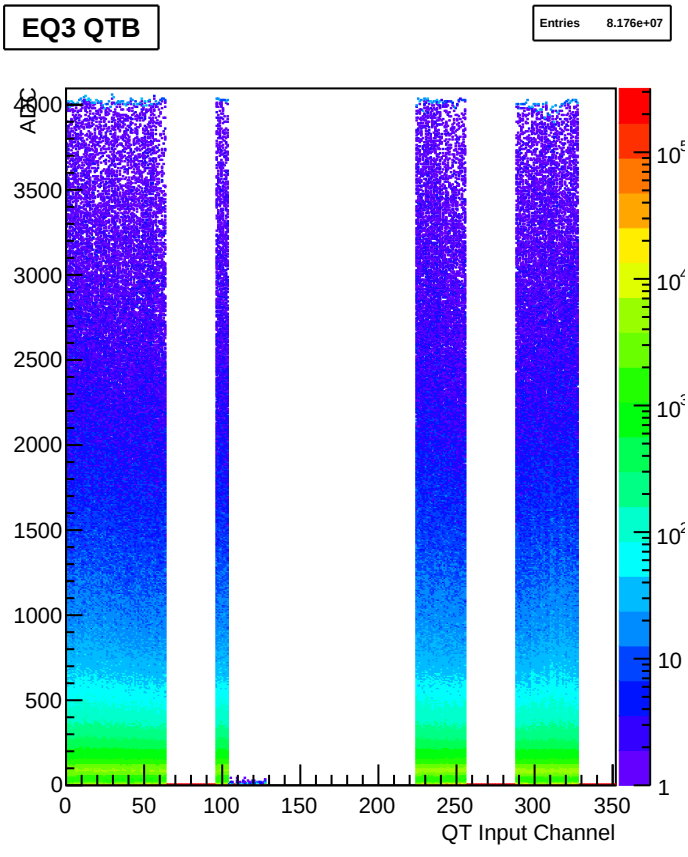

EQ1 QTC
Entries 3.066e+07
TADC
QT Input Channel

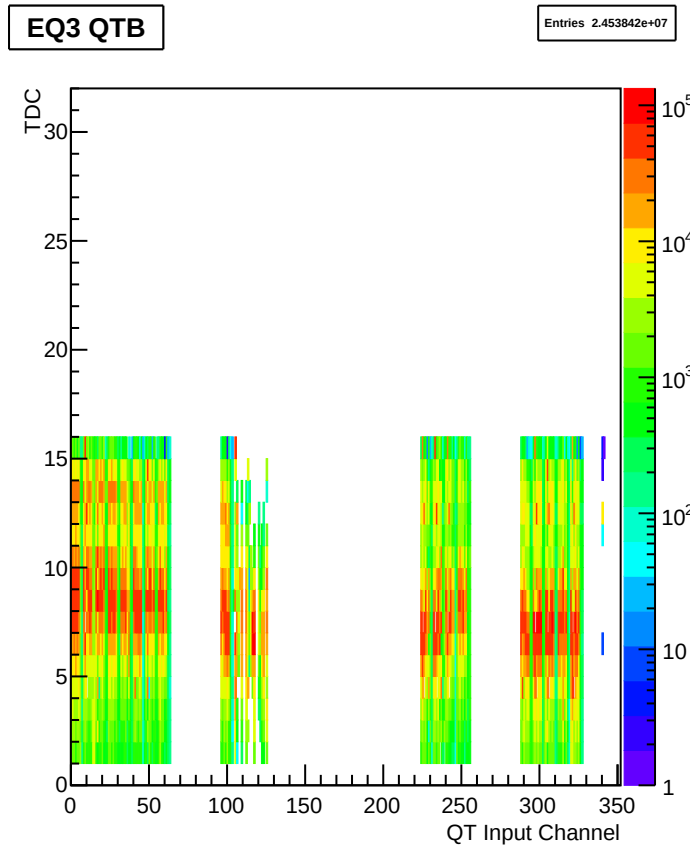

EQ2 QTB
Entries 9.198e+07
ADC
QT Input Channel

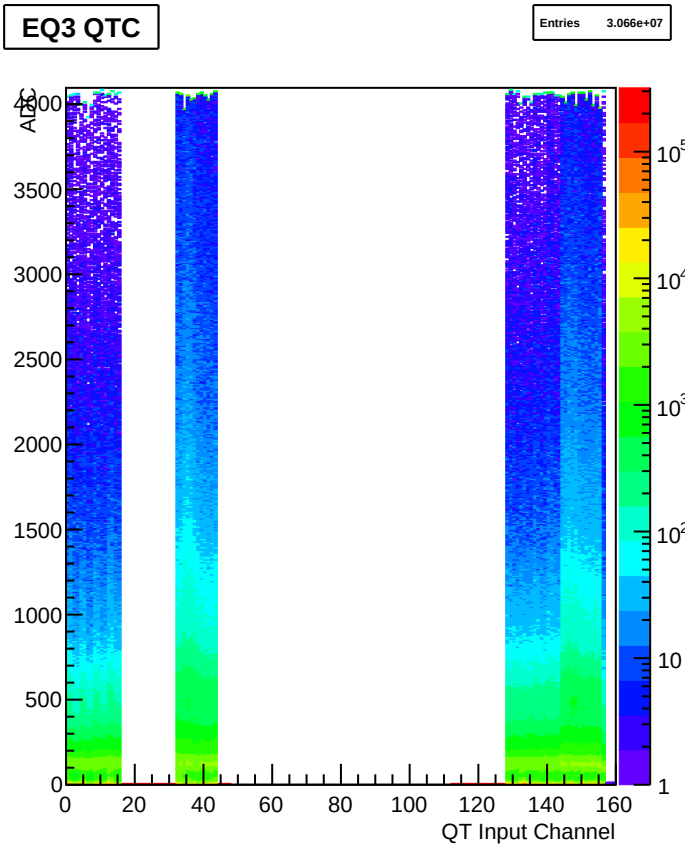

EQ2 QTB
Entries 2.52309e+07
TDC
QT Input Channel

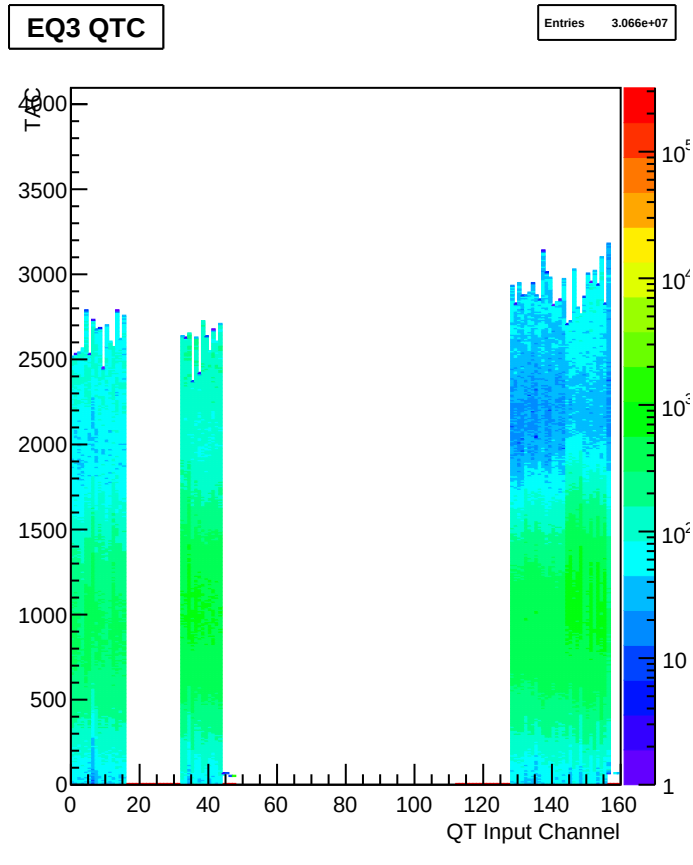

EQ2 QTC
Entries 3.066e+07
ADC
QT Input Channel

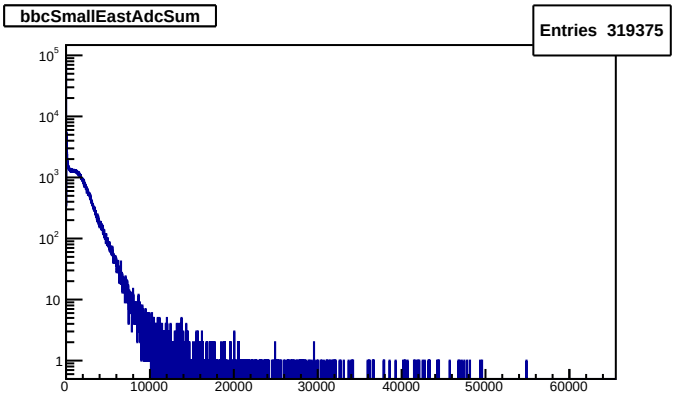

EQ2 QTC
Entries 3.066e+07
TADC
QT Input Channel

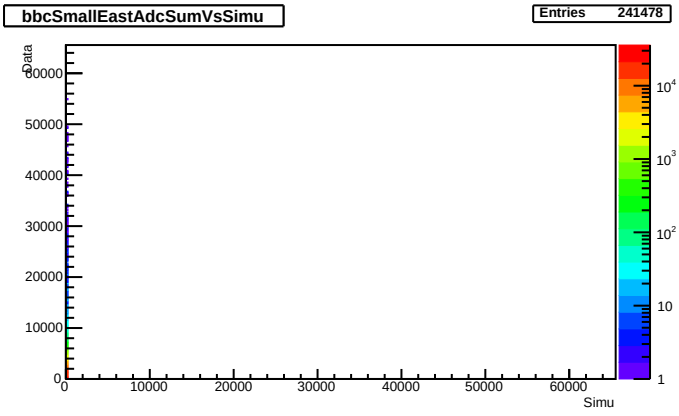

EQ3 QTB
Entries 8.176e+07
ADC
QT Input Channel

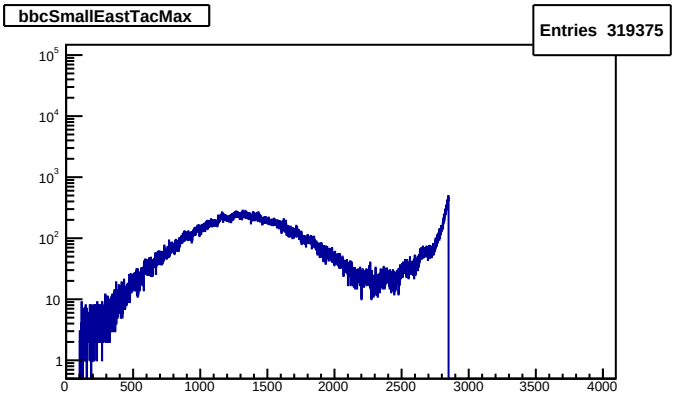

EQ3 QTB
Entries 2.453842e+07
TDC
QT Input Channel

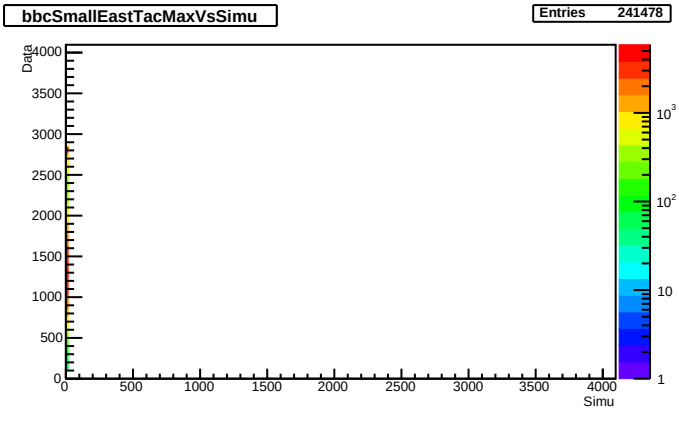

EQ3 QTC
Entries 3.066e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.066e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 319375


bbcSmallEastAdcSumVsSimu
Entries 241478
Data
Simu


bbcSmallEastTacMax
Entries 319375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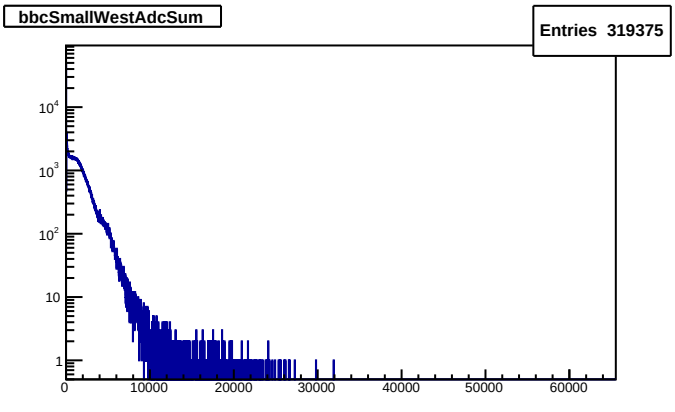
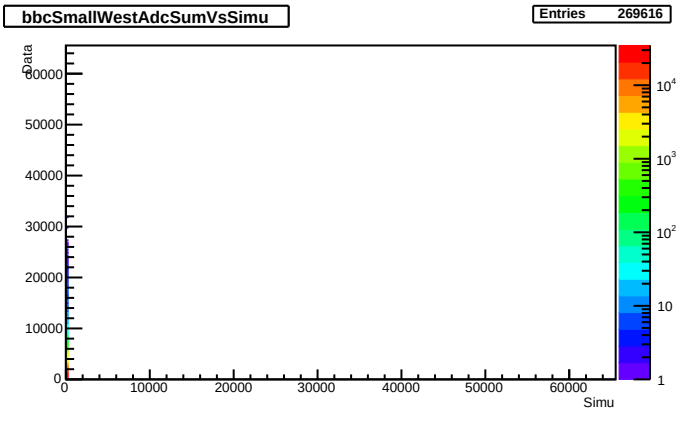
Entries 241478
Data
Simu


bbcSmallWestAdcSum
Entries 319375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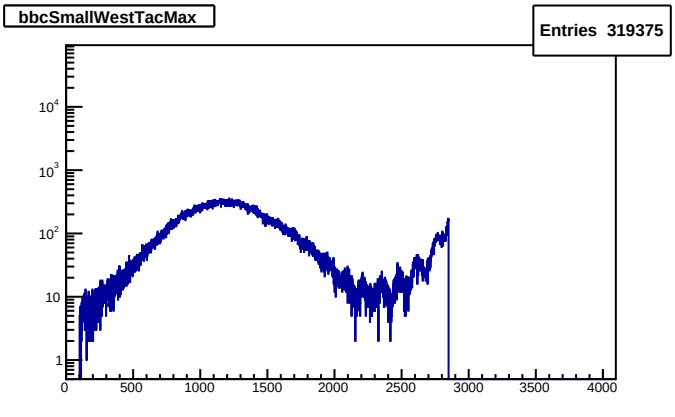
Entries 269616
Data
Simu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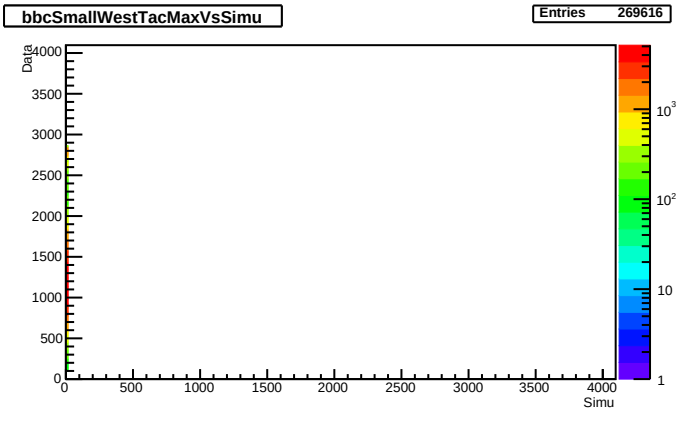
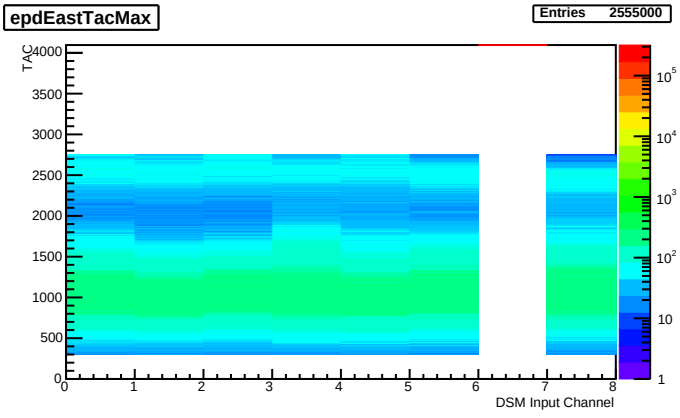
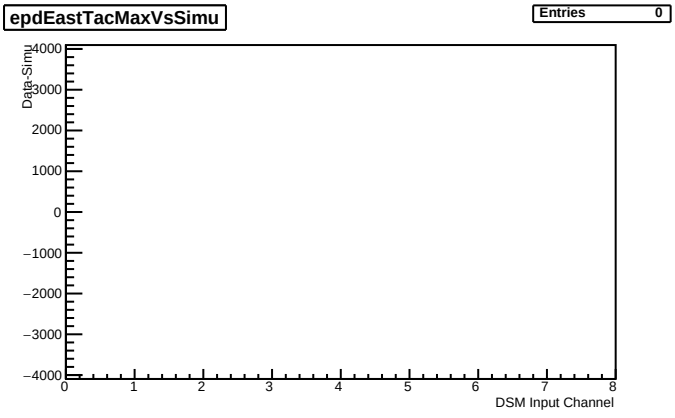
Entries 319375


bbcSmallWestTacMaxVsSimu
Entries 269616
Data
Simu


epdEastTacMax
Entries 2555000
TAC
DSM Input Channel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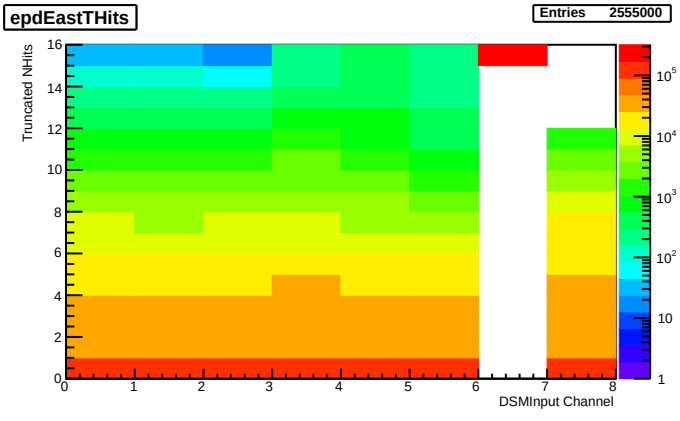
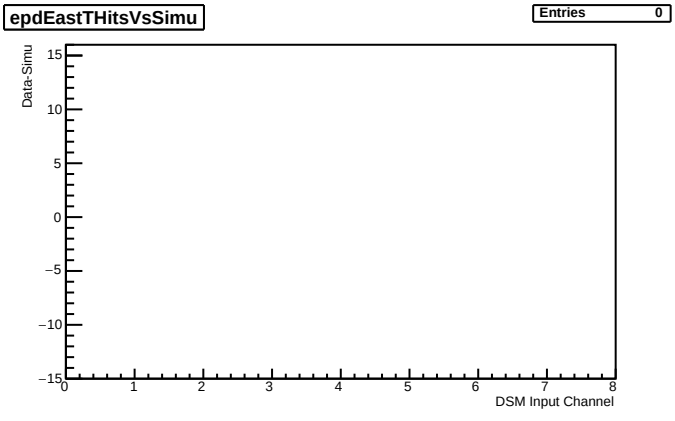
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2555000
Truncated NHits
DSMInput Channel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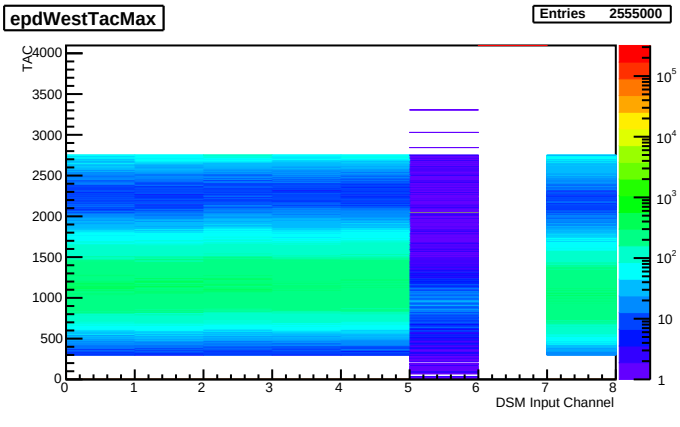
Data-Simu
DSM Input Channel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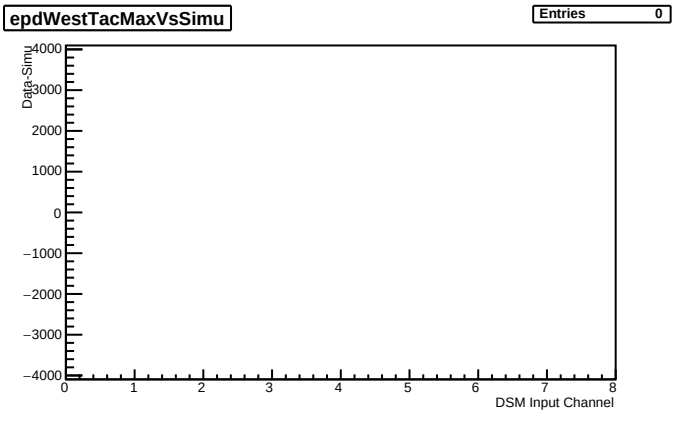
Entries 2555000
TAC
DSM Input Channel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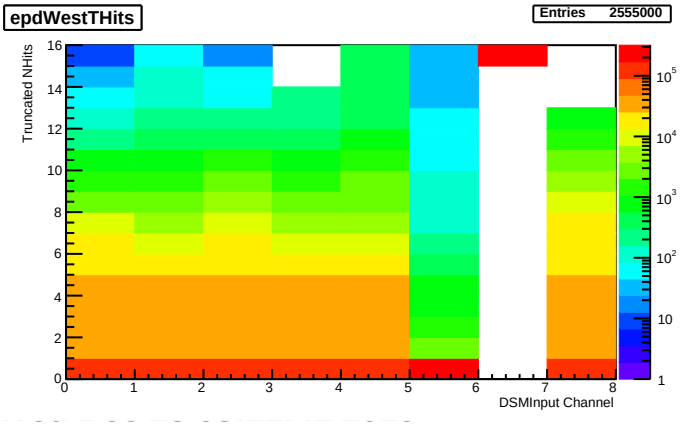
Entries 0
Data-Simu
DSM Input Channel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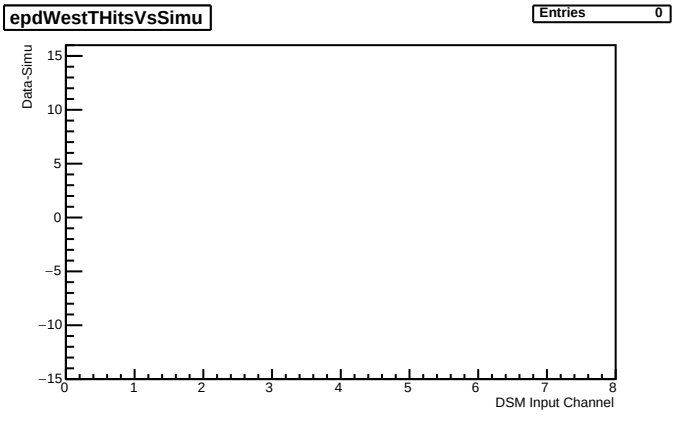
Entries 2555000
Truncated NHits
DSMInput Channel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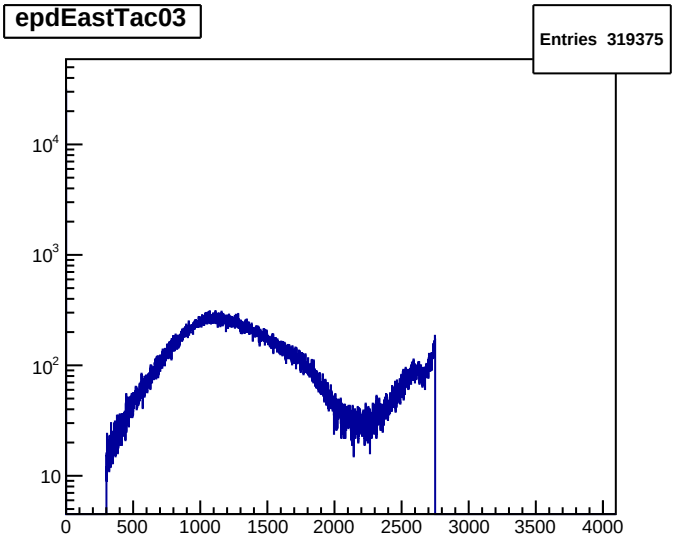
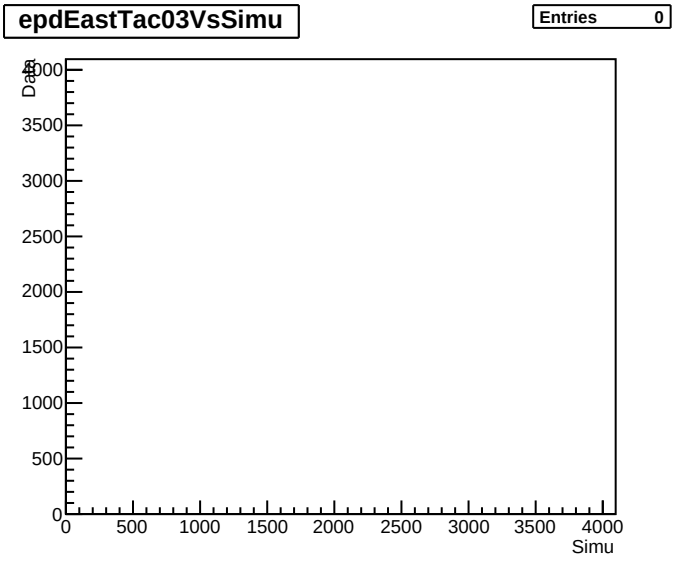
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 319375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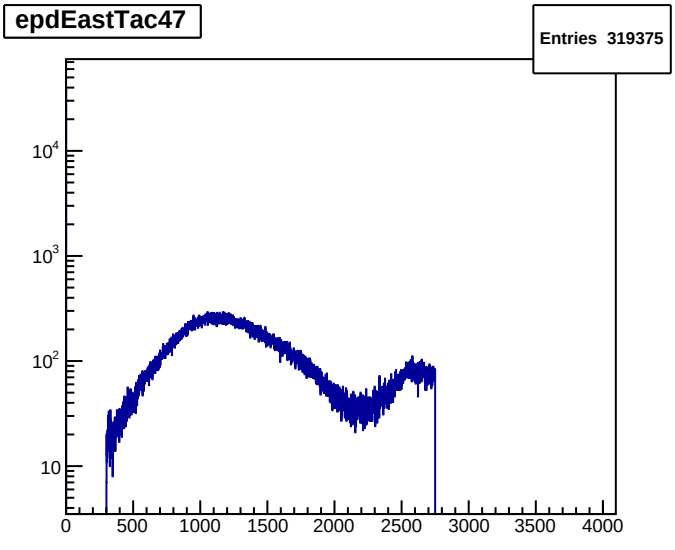
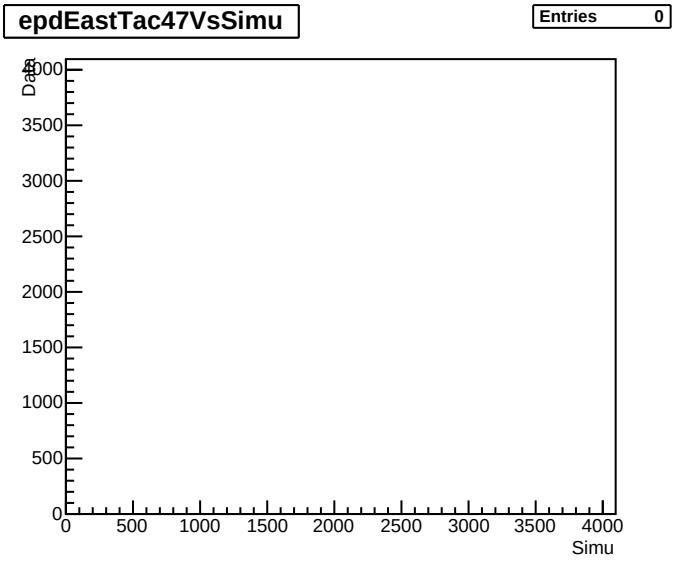
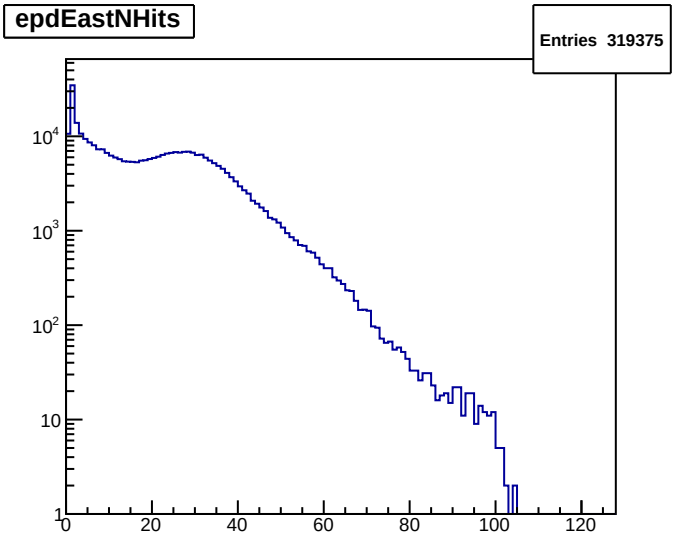
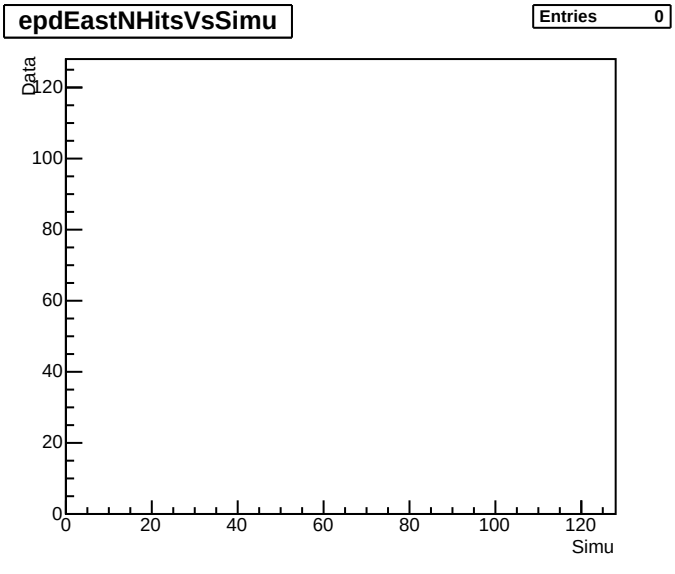
Entries 0
Data
Simu


epdEastTac47
Entries 319375


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 319375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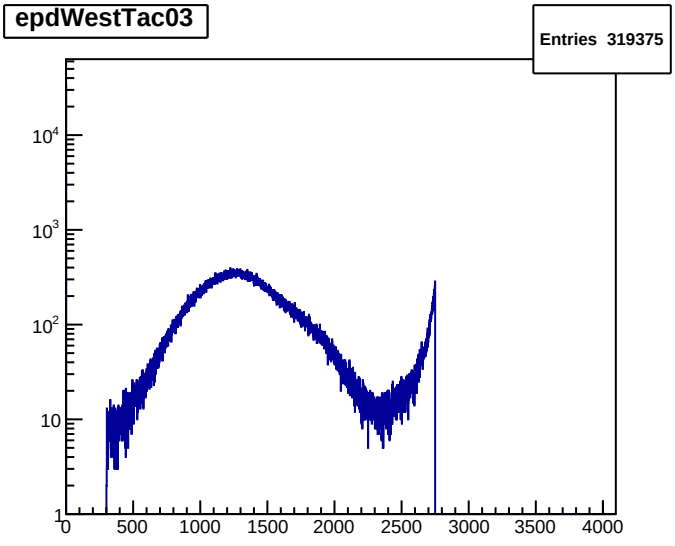
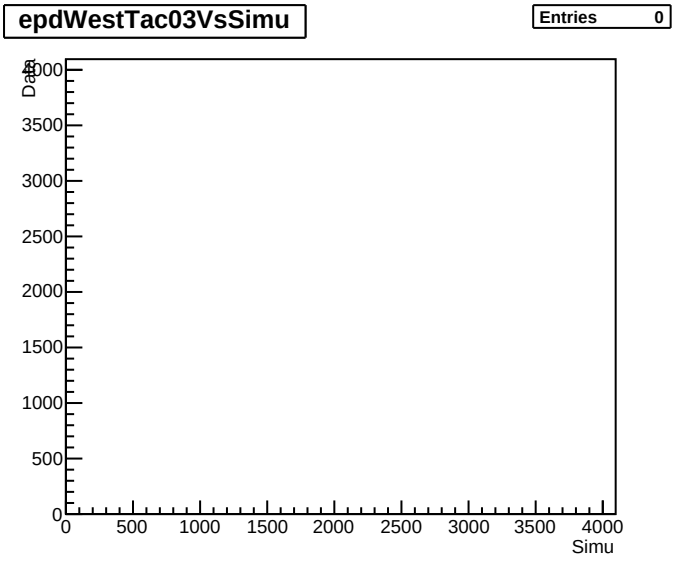
Entries 0
Data
Simu


epdWestTac03
Entries 319375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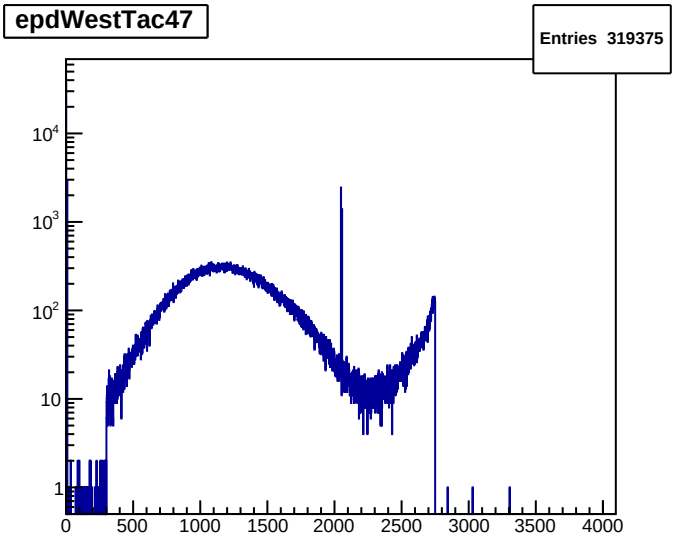
Entries 0
Data
Simu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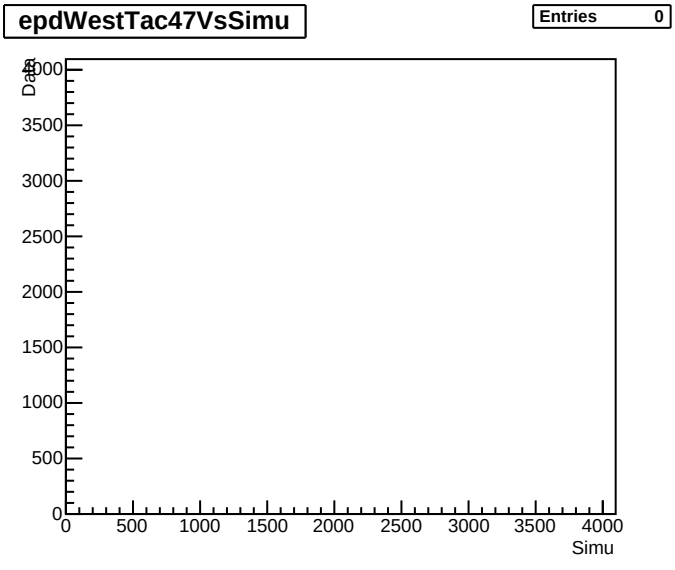
Entries 319375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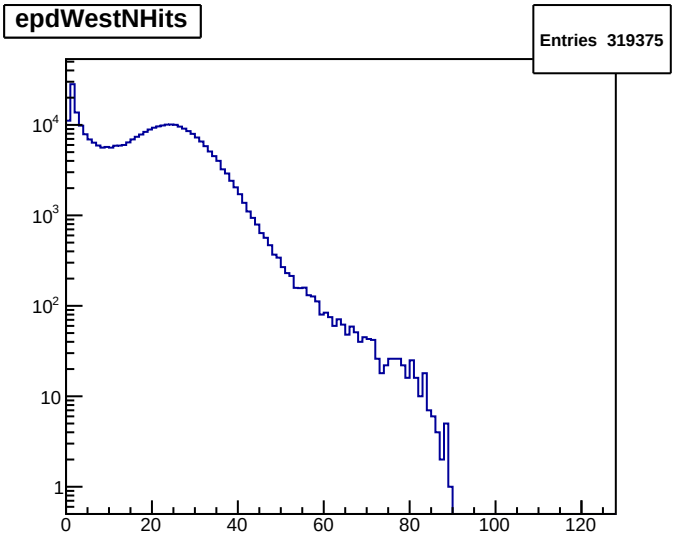
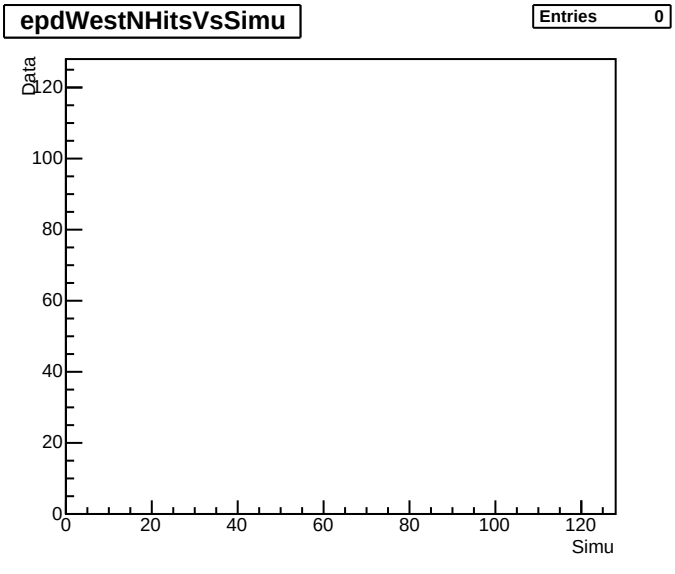
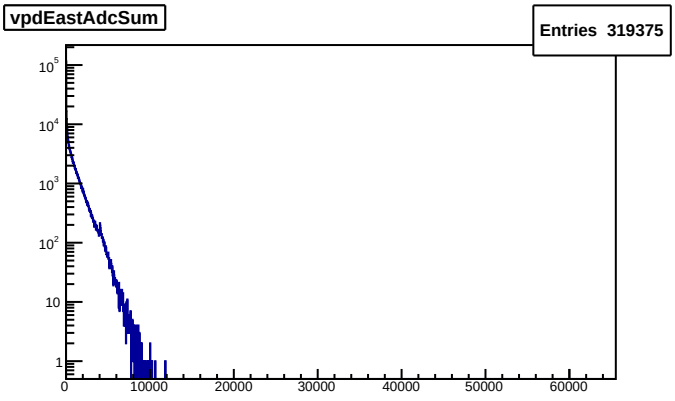
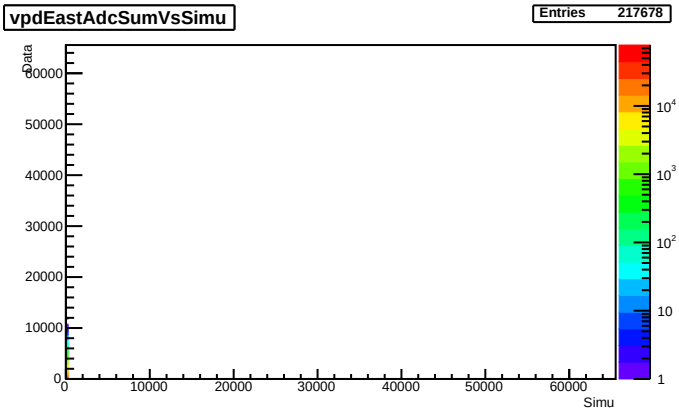
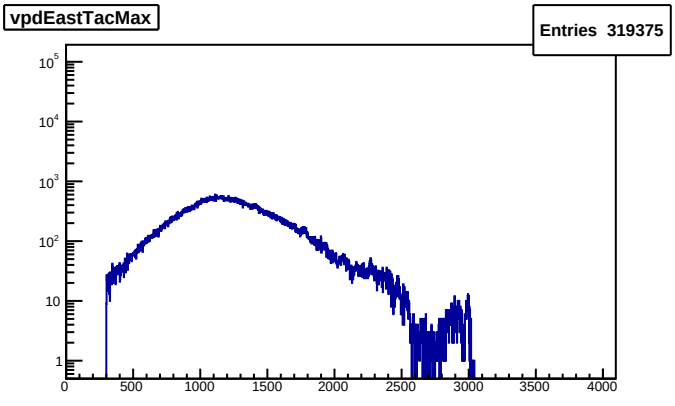
Entries 0
Data
Simu

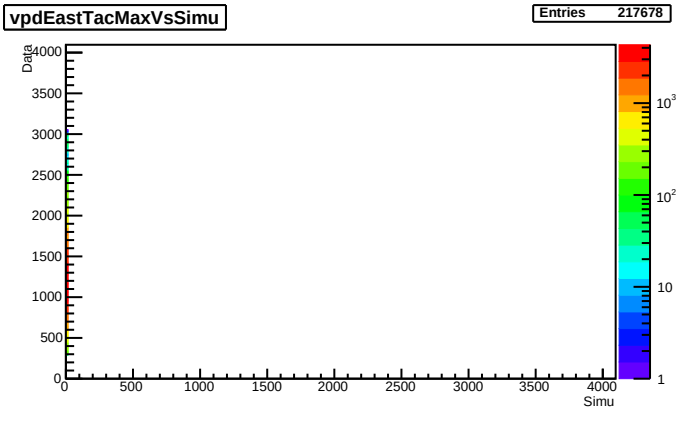

epdWestNHits
Entries 319375


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 319375


vpdEastAdcSumVsSimu
Entries 217678
Data
Simu


vpdEastTacMax
Entries 319375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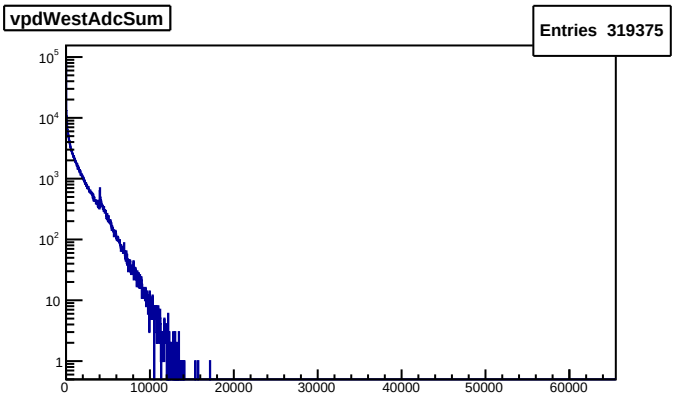
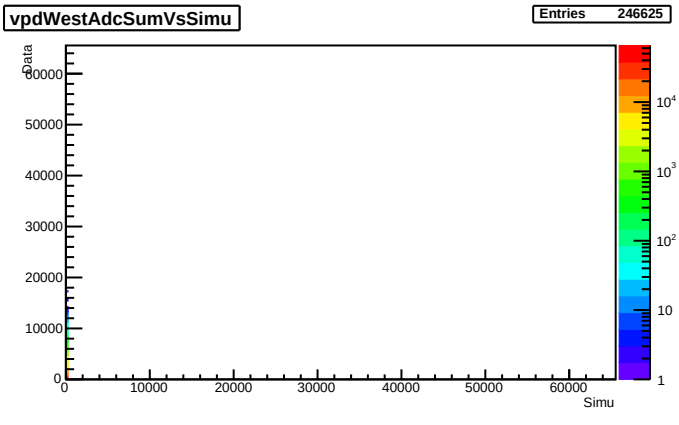
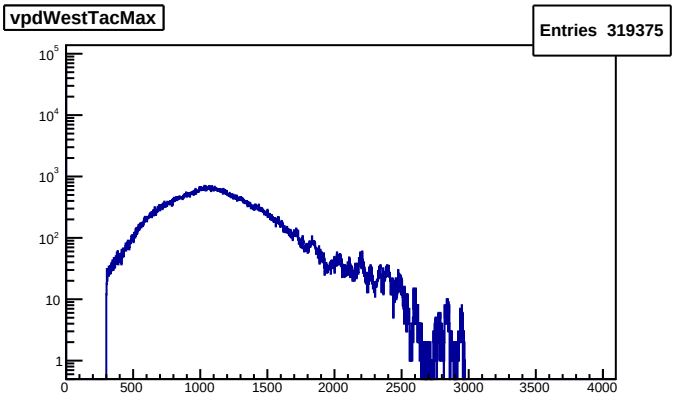
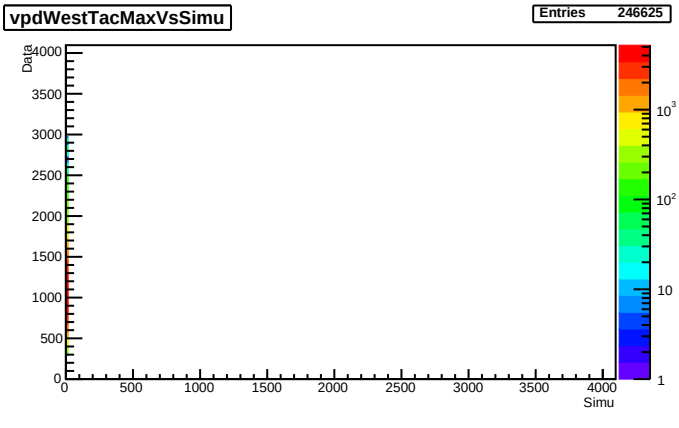
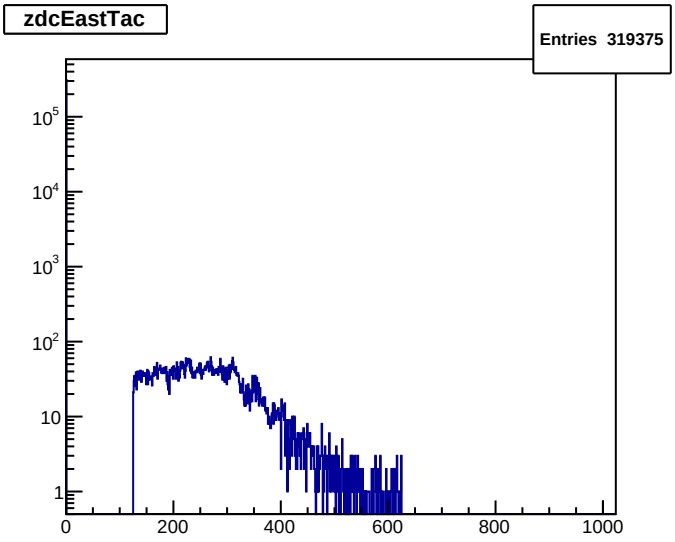
Entries 217678
Data
Simu

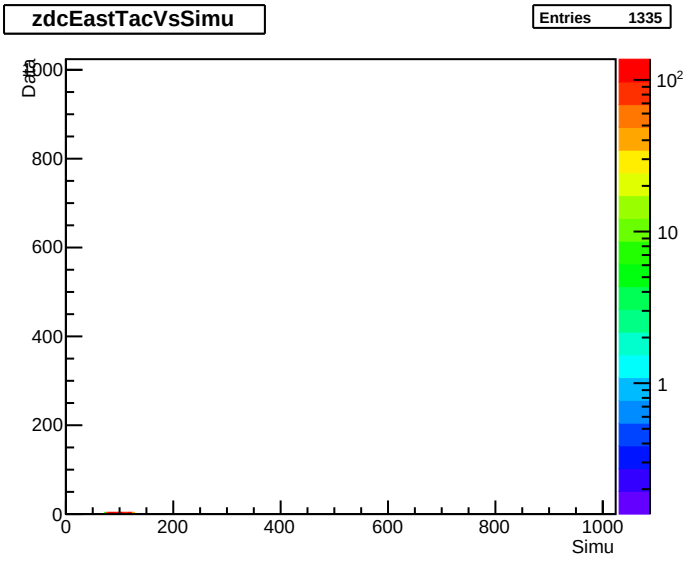

vpdWestAdcSum
Entries 319375

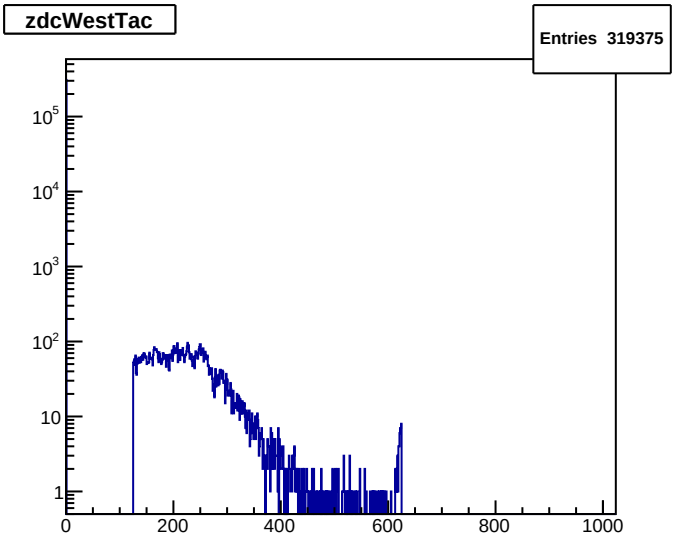

vpdWestAdcSumVsSimu
Entries 246625
Data
Simu

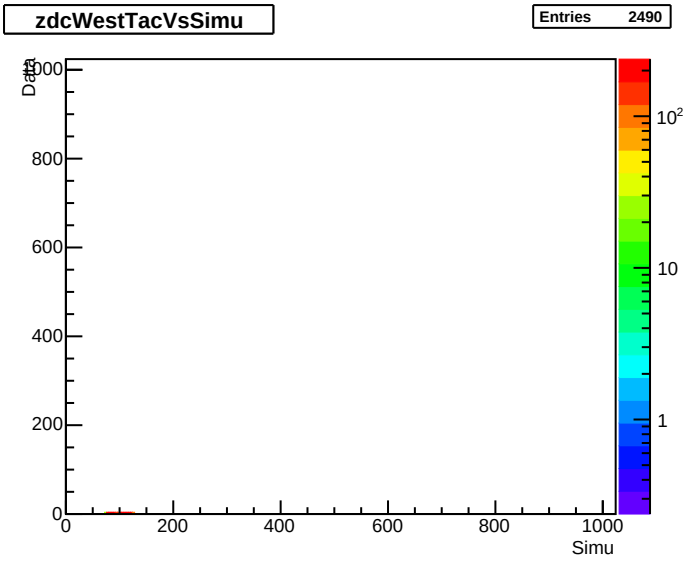

vpdWestTacMax
Entries 319375

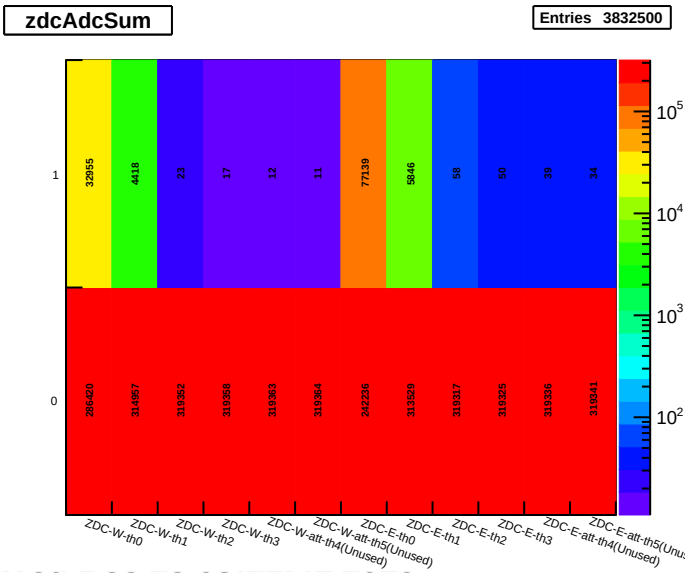

vpdWestTacMaxVsSimu
Entries 246625
Data
Simu

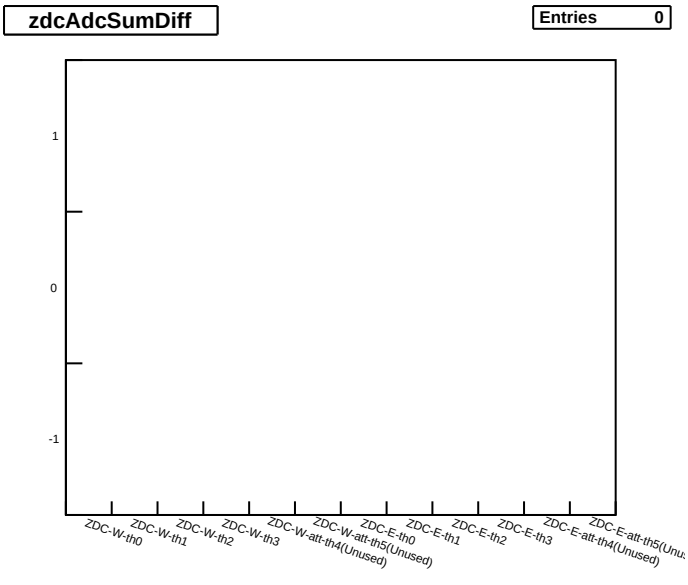

zdcEastTac
Entries 319375

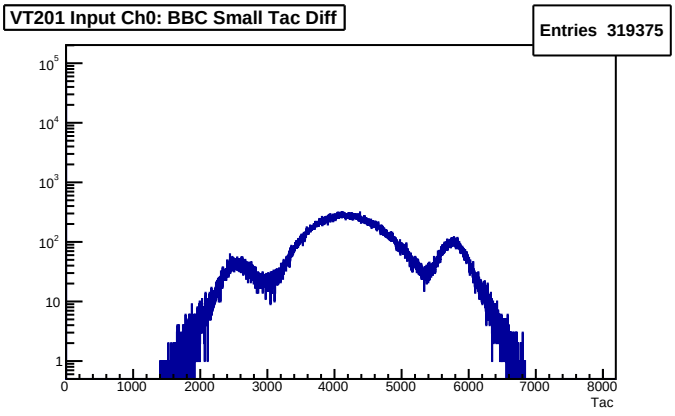

zdcEastTacVsSimu
Entries 1335
Data
Simu

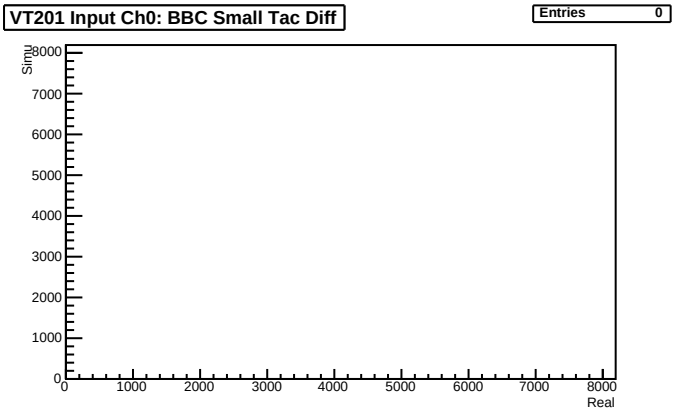

zdcWestTac
Entries 319375

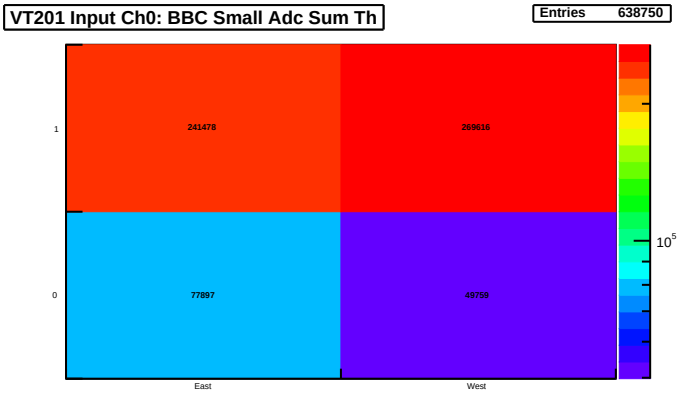

zdcWestTacVsSimu
Entries 2490
Data
Simu

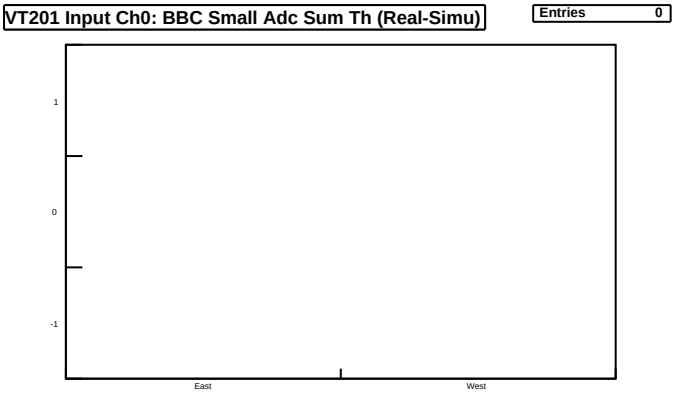

zdcAdcSum
Entries 3832500
32955
4418
23
17
12
11
77139
5846
58
50
39
34
286420
314957
319352
319358
319363
319364
242236
313529
319317
319325
319336
319341
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

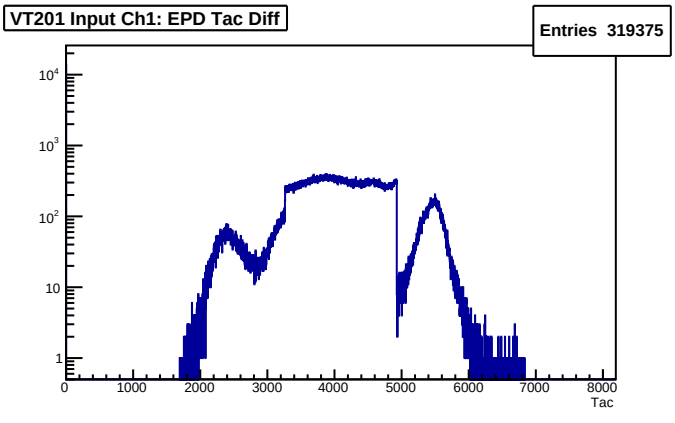

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

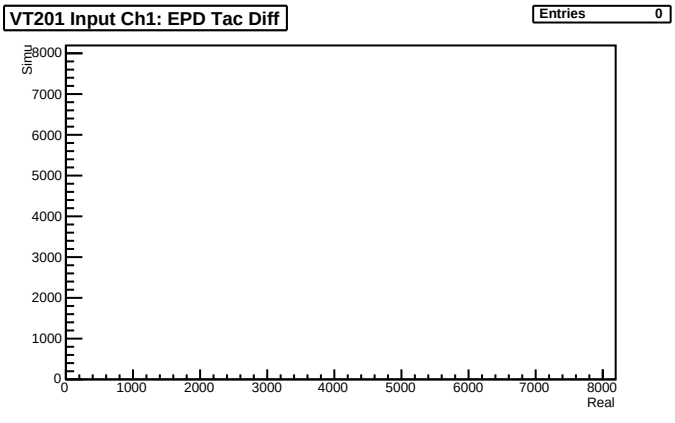

VT201 Input Ch0: BBC Small Tac Diff
Entries 319375
Tac

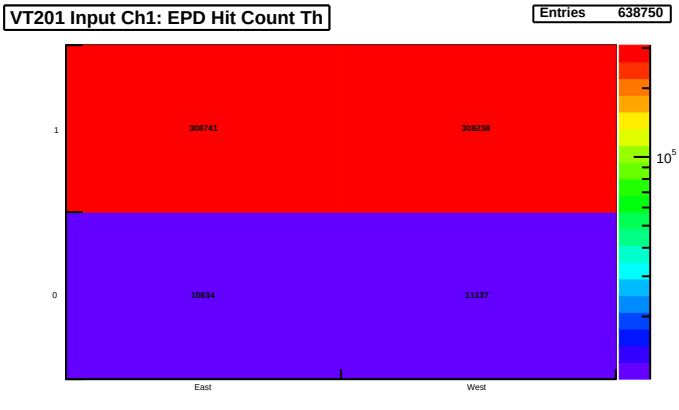

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

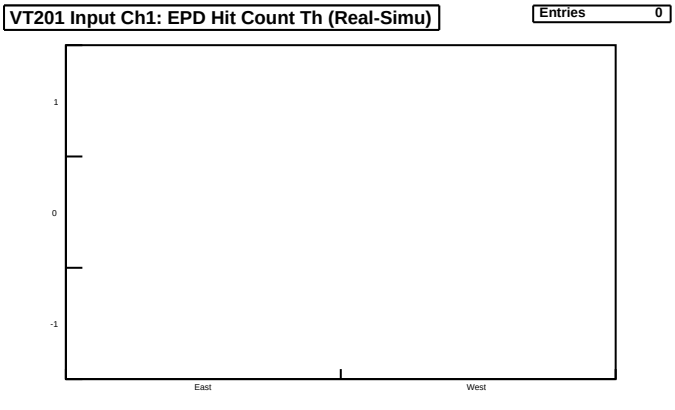

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 638750
241478
269616
77897
49759
East
West

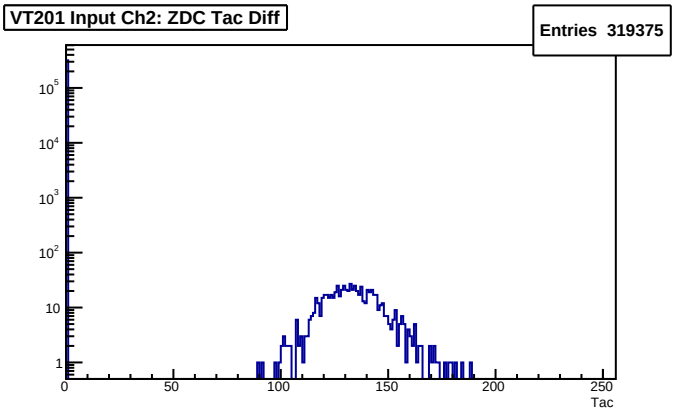

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

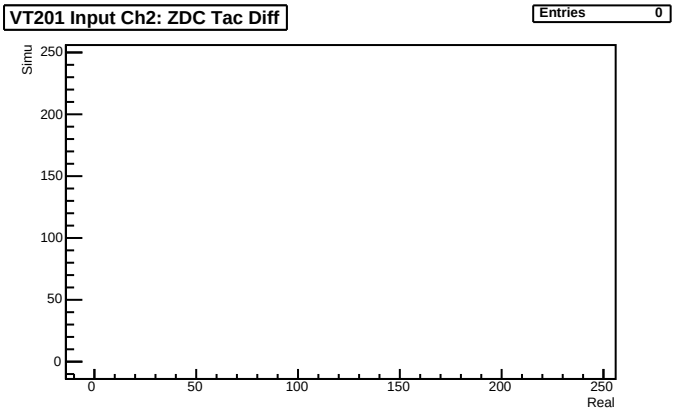

VT201 Input Ch1: EPD Tac Diff
Entries 319375
Tac

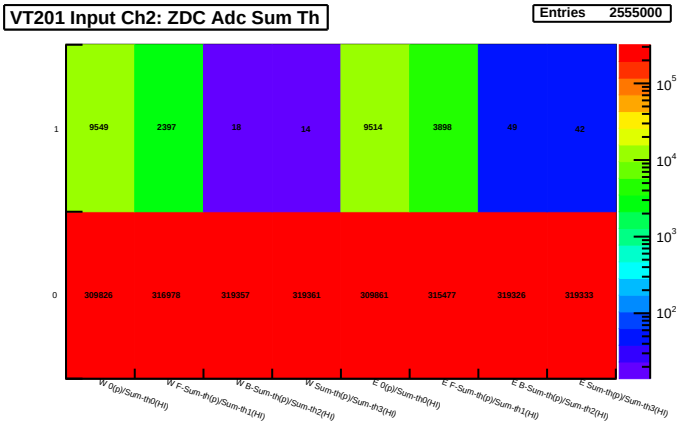

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

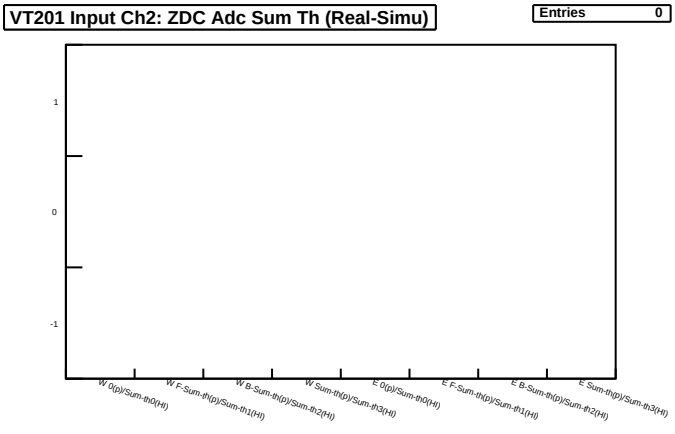

VT201 Input Ch1: EPD Hit Count Th
Entries 638750
308741
308238
10634
11137
East
West

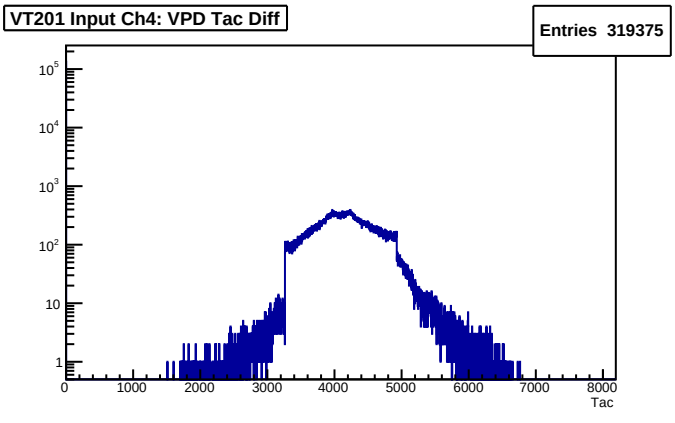

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

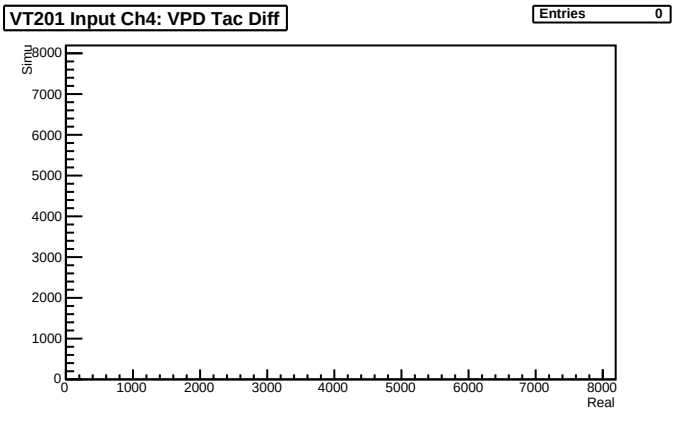

VT201 Input Ch2: ZDC Tac Diff
Entries 319375
Tac

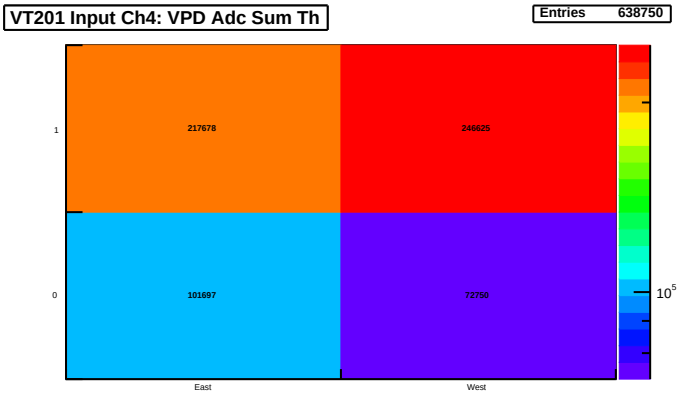

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

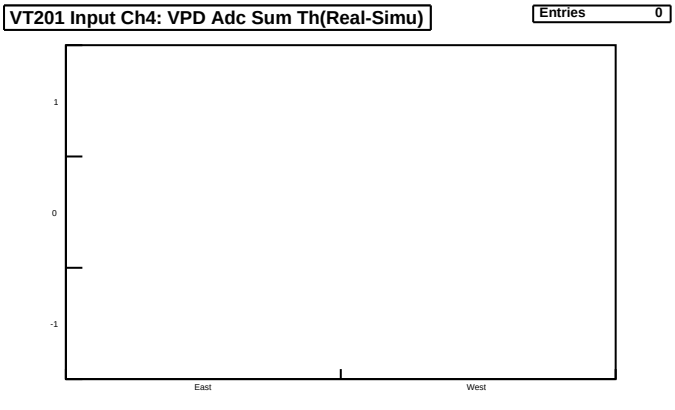

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2555000
9549
2397
18
14
9514
3898
49
42
309826
316978
319357
319361
309861
315477
319326
319333
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

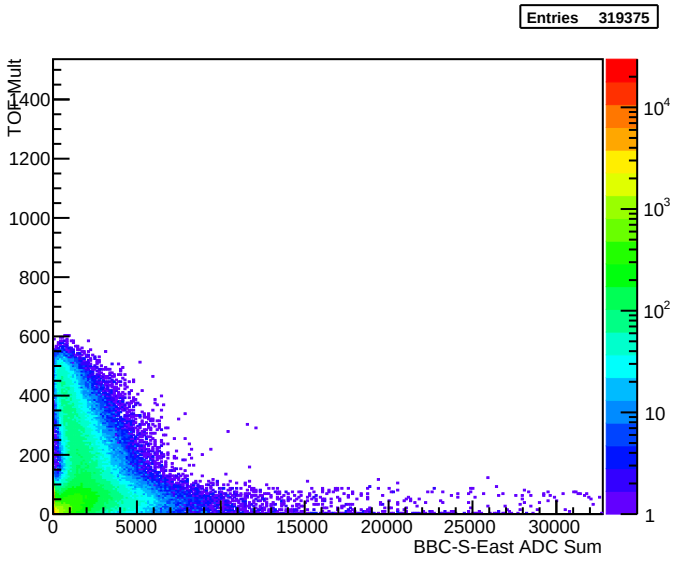

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

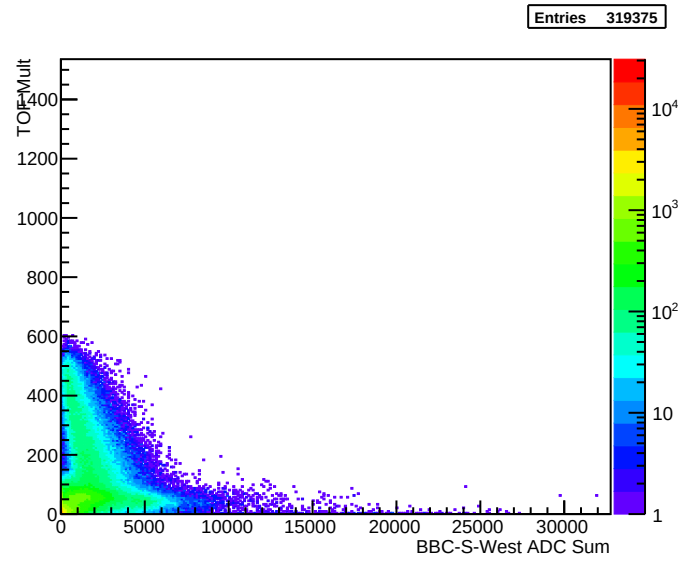

VT201 Input Ch4: VPD Tac Diff
Entries 319375
Tac

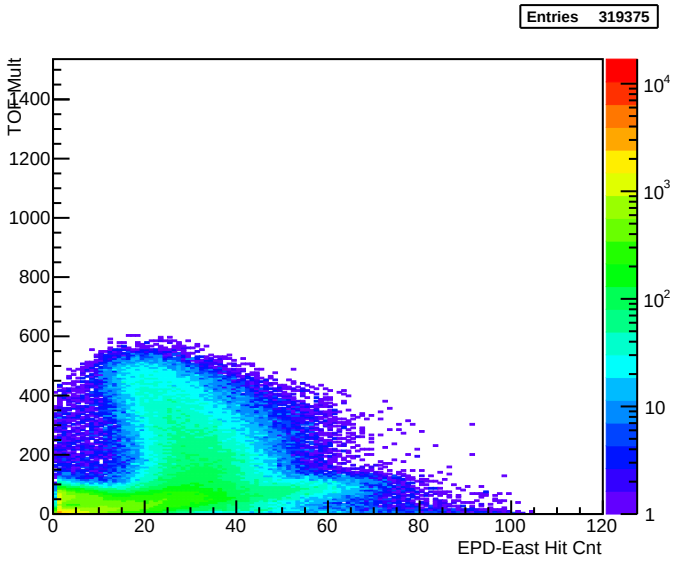

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

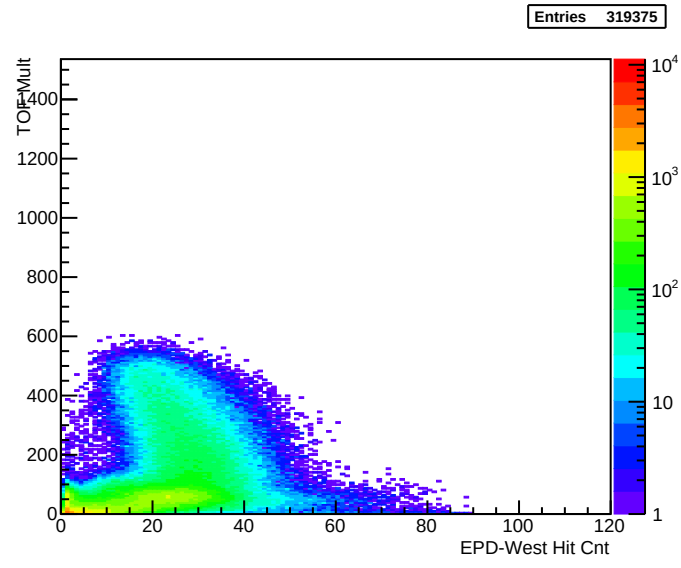

VT201 Input Ch4: VPD Adc Sum Th
Entries 638750
217678
246625
101697
72750
East
West

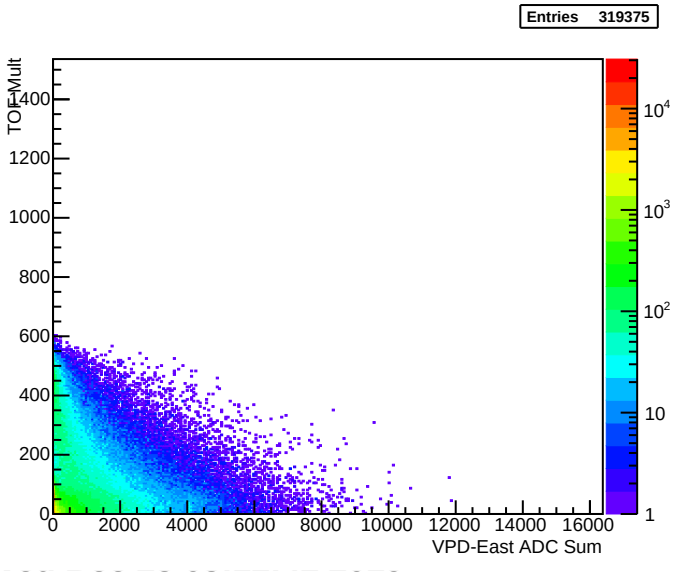

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

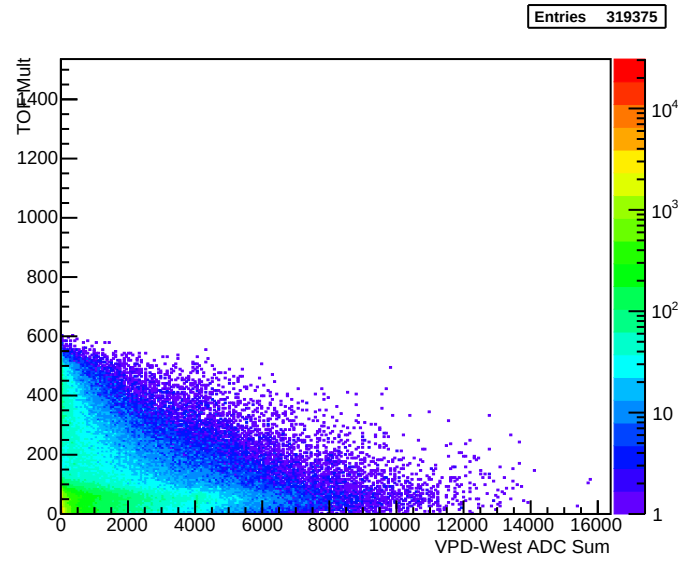

Entries 319375
TOF-Mult
BBC-S-East ADC Sum

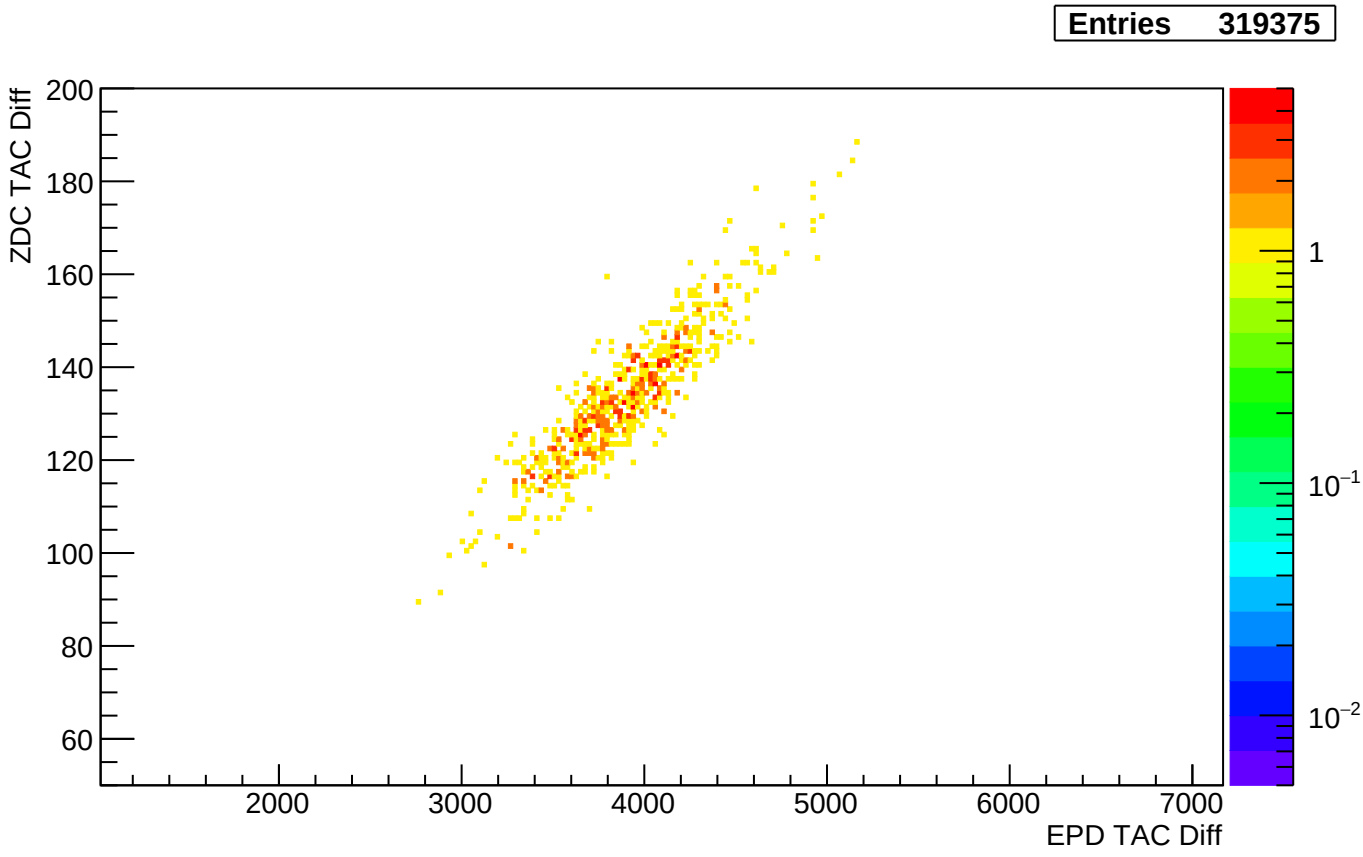

Entries 319375
TOF-Mult
BBC-S-West ADC Sum

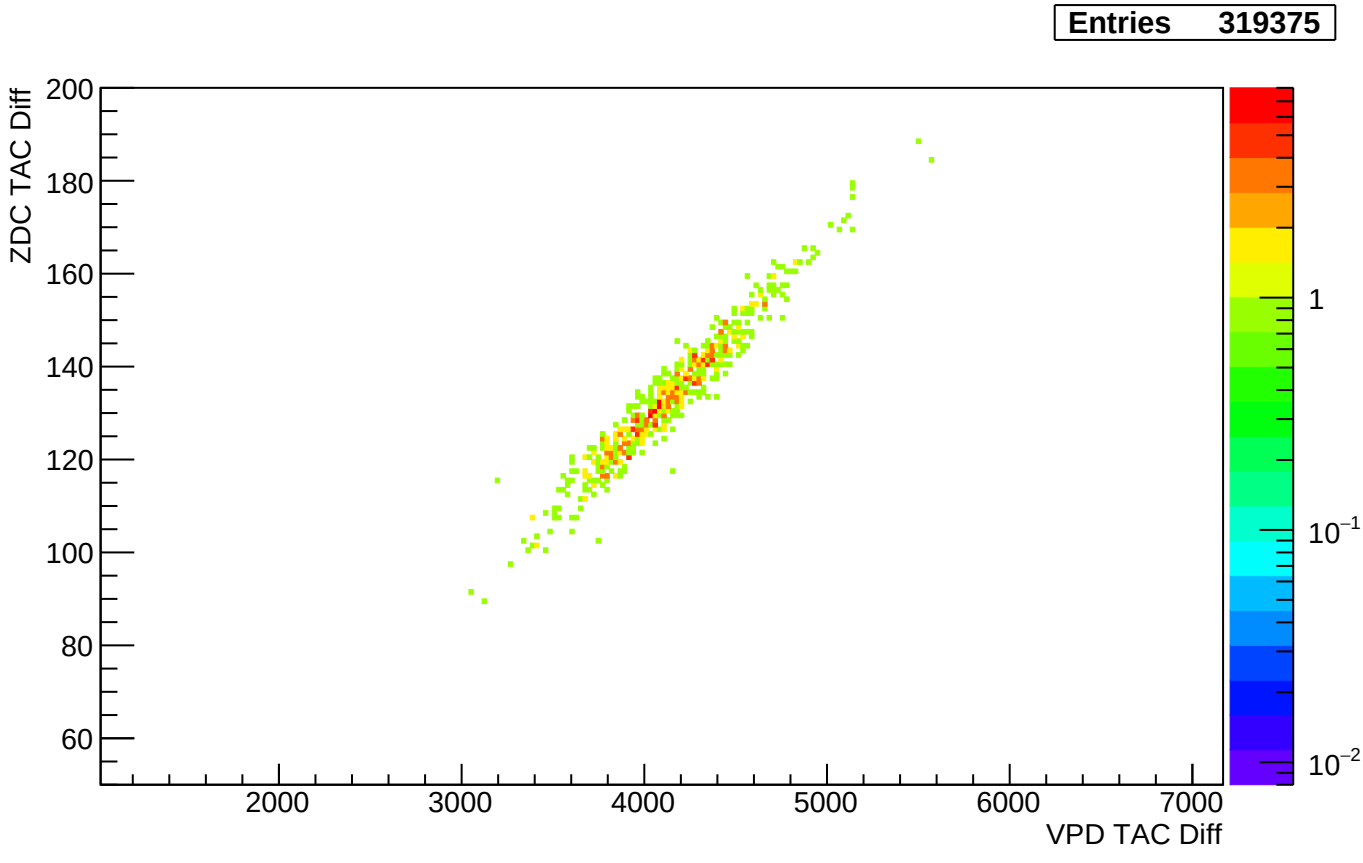

Entries 319375
TOF-Mult
EPD-East Hit Cnt

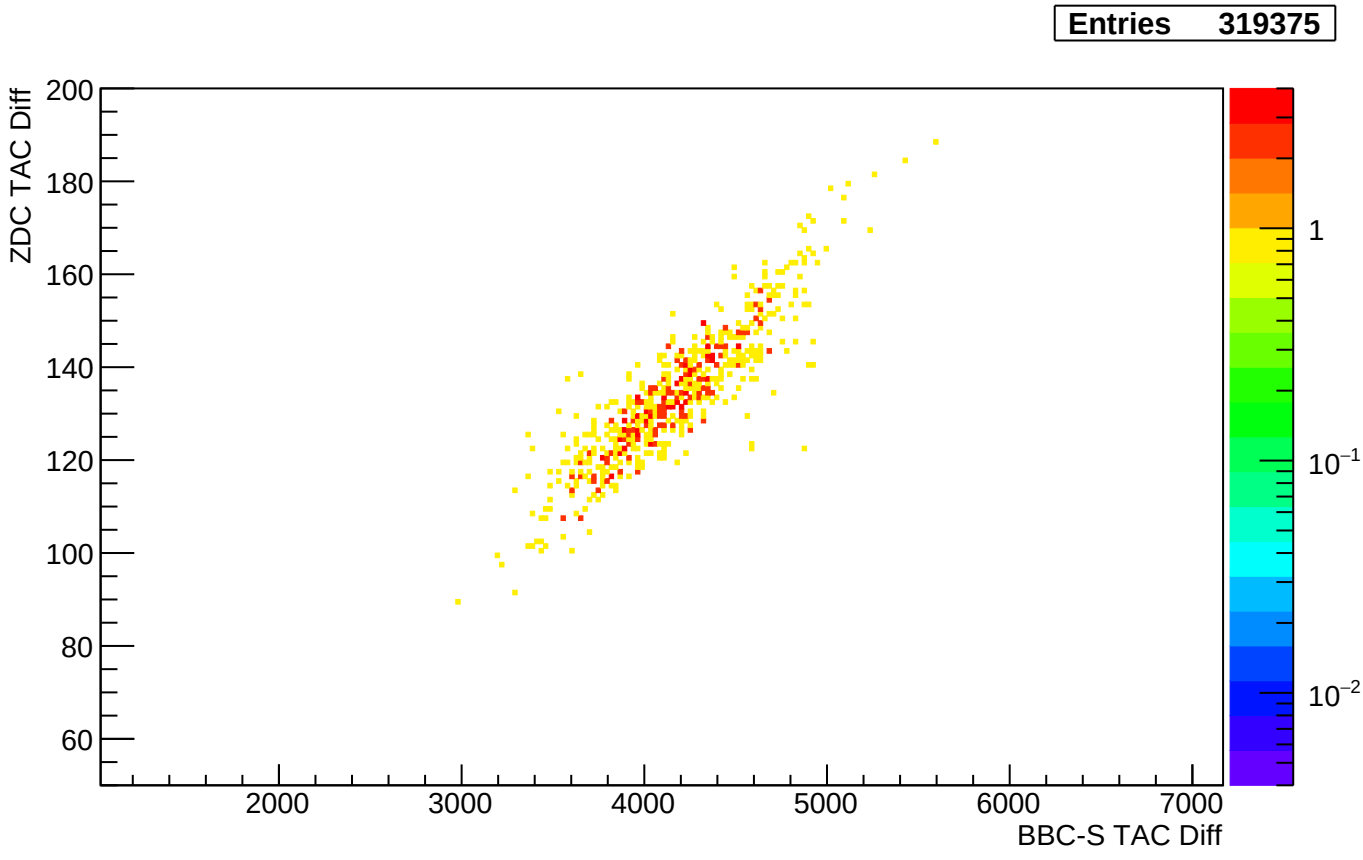

Entries 319375
TOF-Mult
EPD-West Hit Cnt

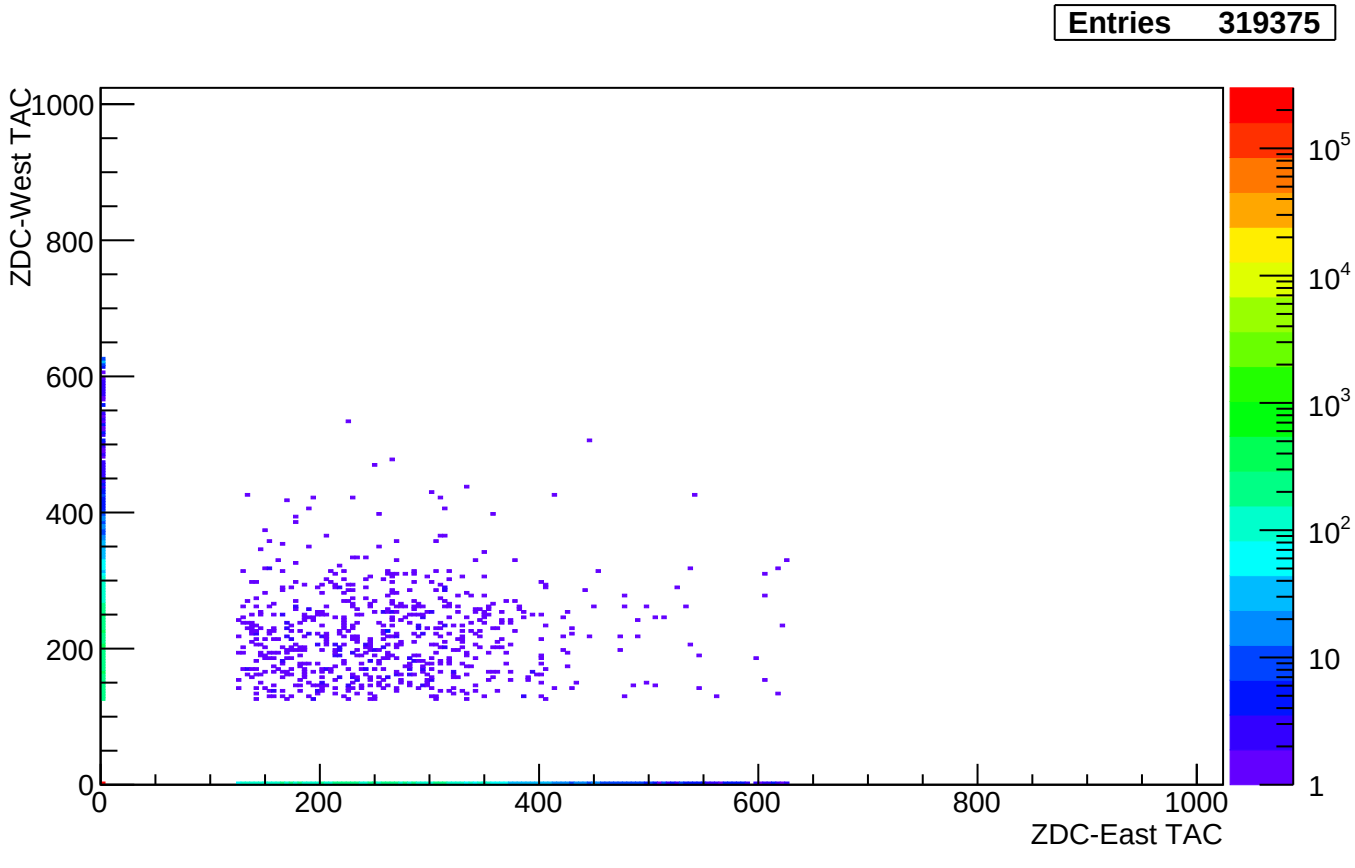

Entries 319375
TOF-Mult
VPD-East ADC Sum

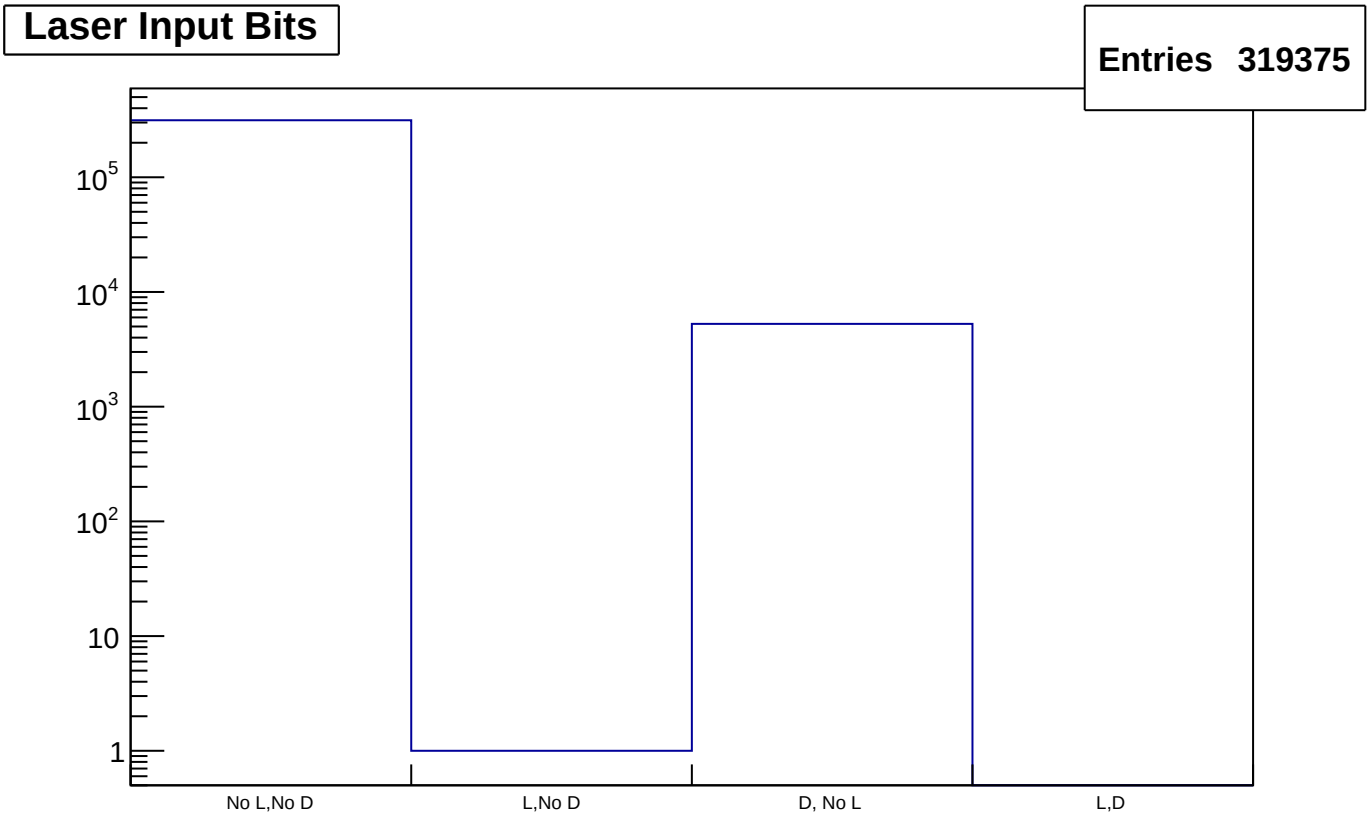

Entries 319375
TOF-Mult
VPD-West ADC Sum

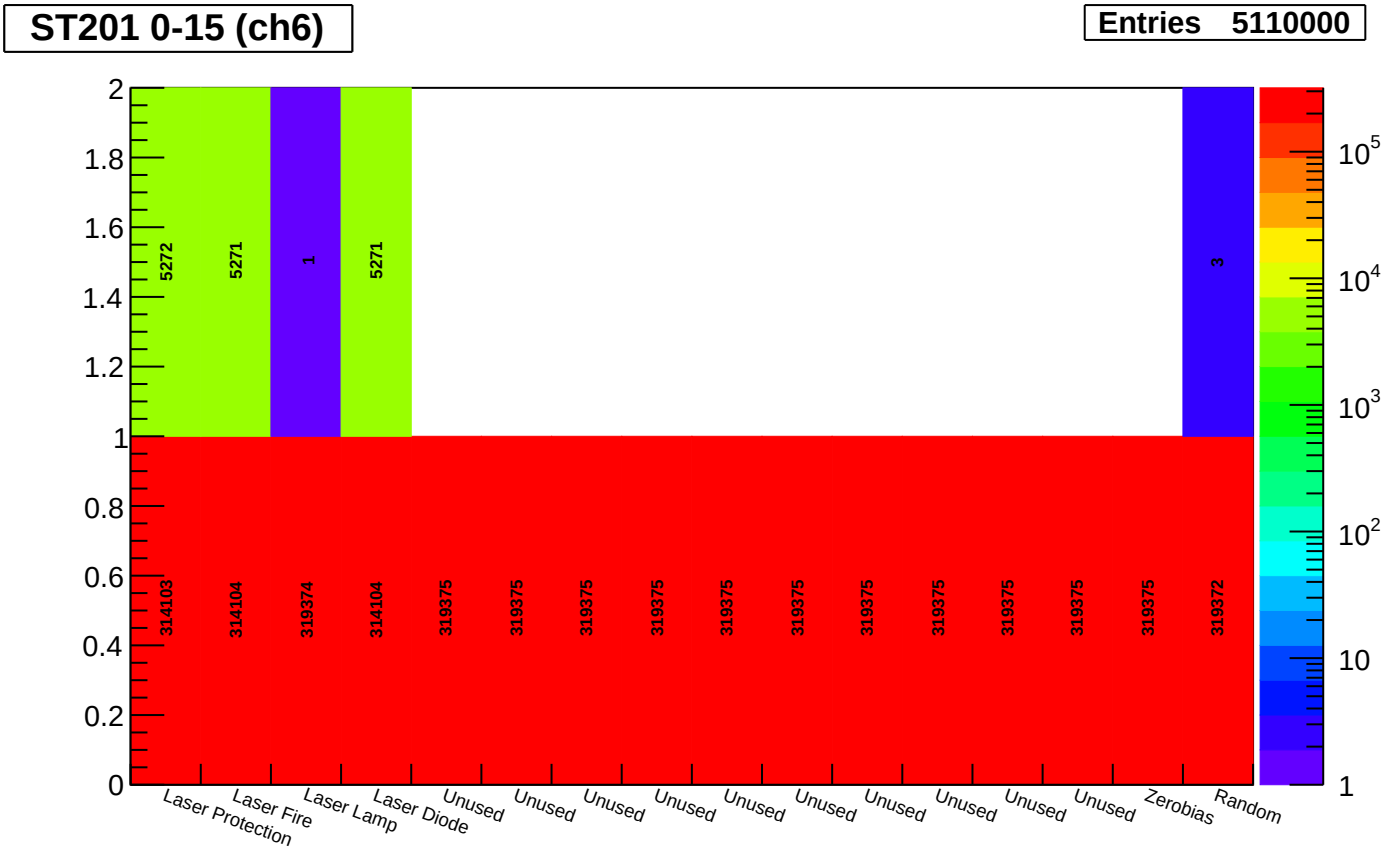

Entries 319375
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

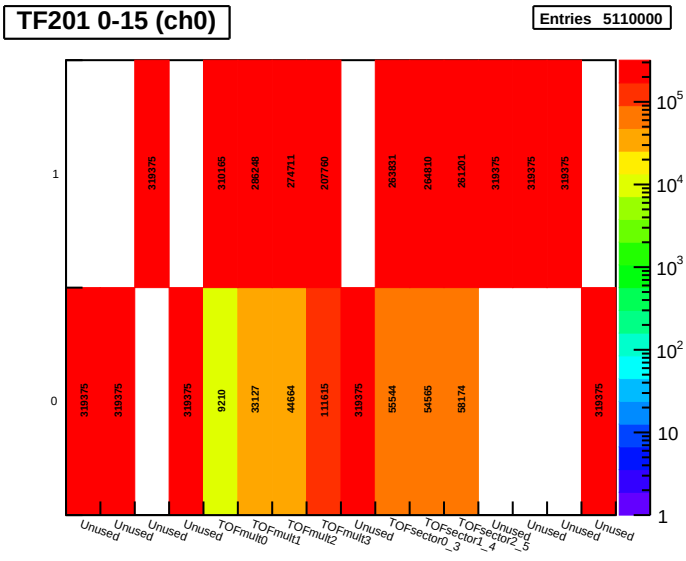

Entries 319375
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

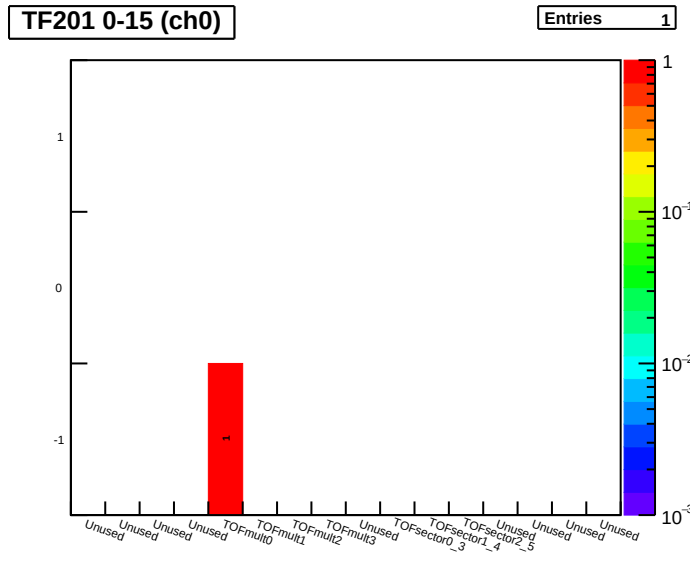

Entries 319375
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

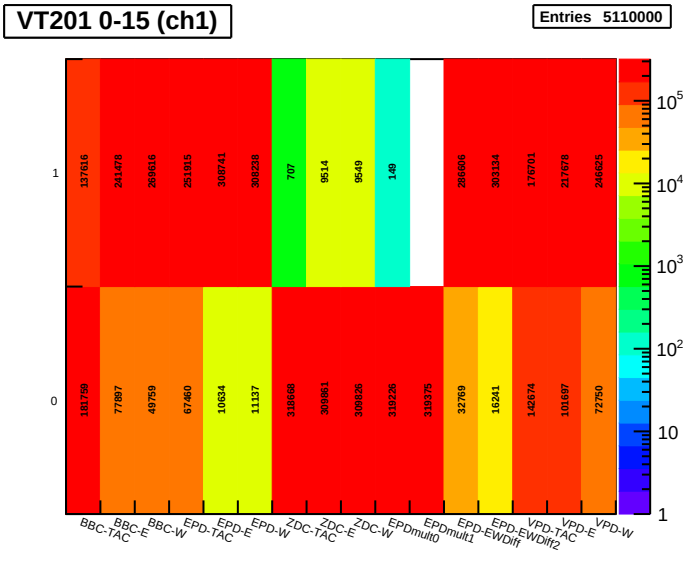

Entries 319375
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1

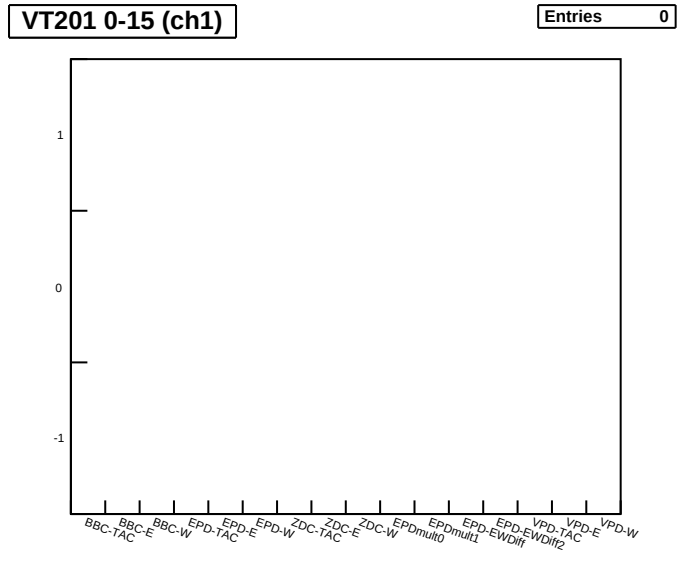

Laser Input Bits
Entries 319375
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

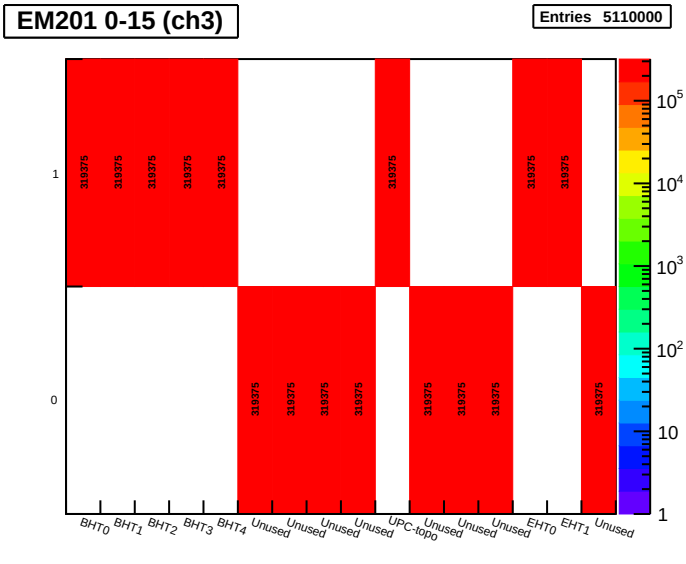

ST201 0-15 (ch6)
Entries 5110000
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5272
5271
1
5271
3
314103
314104
319374
314104
319375
319375
319375
319375
319375
319375
319375
319375
319375
319375
319375
319372
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

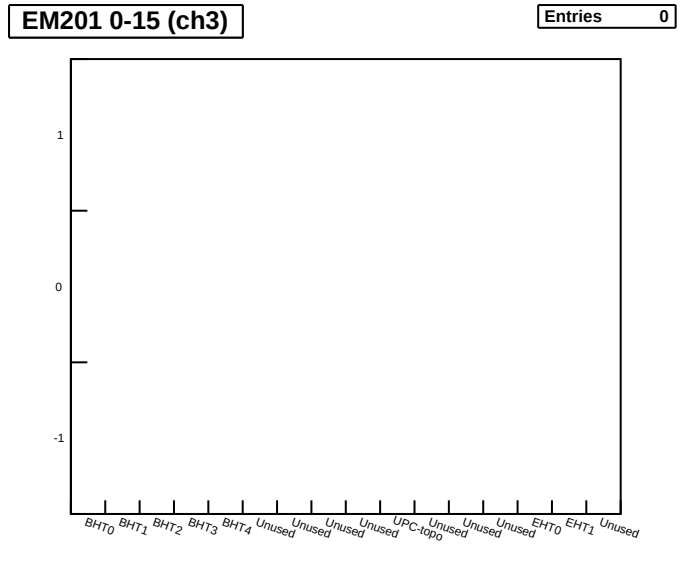

TF201 0-15 (ch0)
Entries 5110000
319375 310165 286248 274711 207760 263831 264810 261201 319375 319375 319375
319375 319375 319375 9210 33127 44664 111615 319375 55544 54565 58174 319375
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 5110000
137616 241478 269616 251915 308741 308238 707 9514 9549 149 286696 303134 176701 217678 246825
181759 77897 49759 67460 10634 11137 318668 309861 309826 319226 319375 32769 16241 142674 101697 72750
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


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


EM201 0-15 (ch3)
Entries 5110000
319375 319375 319375 319375 319375 319375 319375 319375
319375 319375 319375 319375 319375 319375 319375 319375
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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