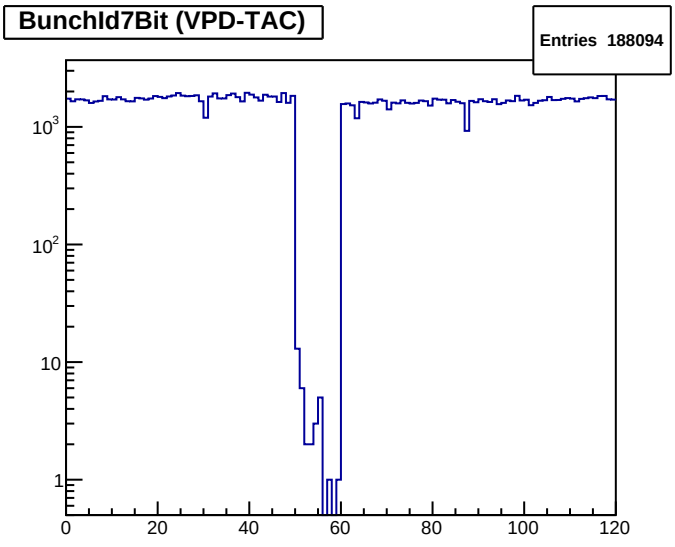
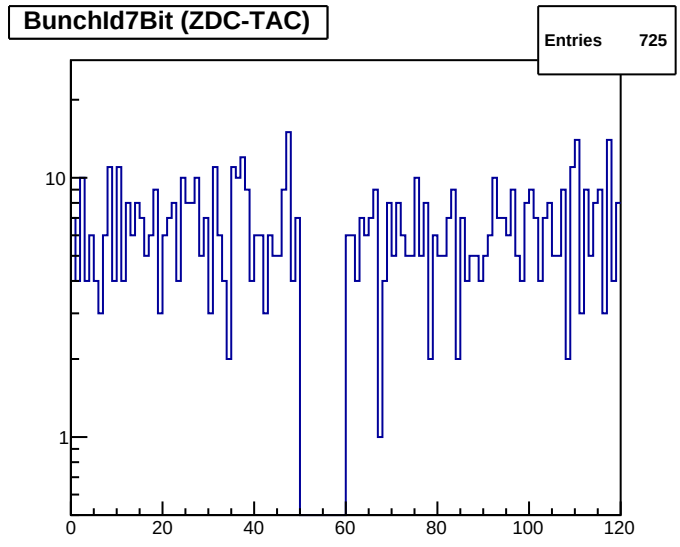
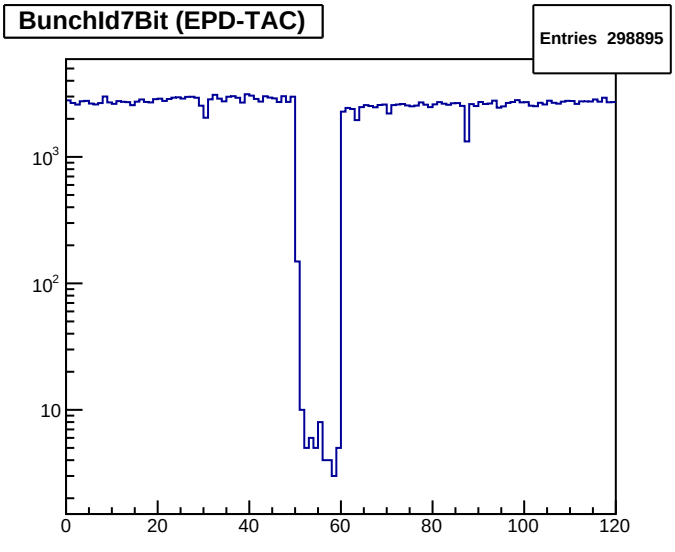
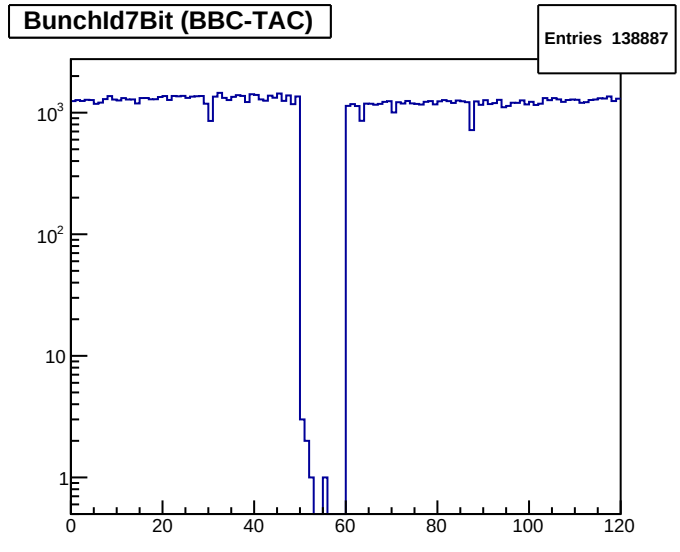
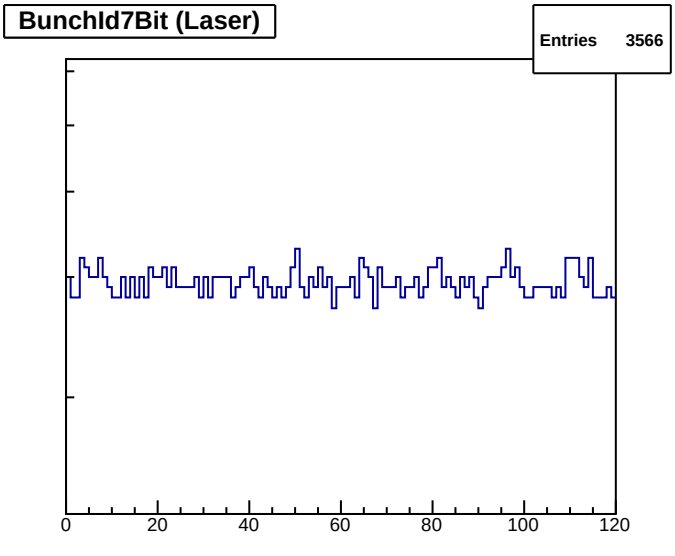
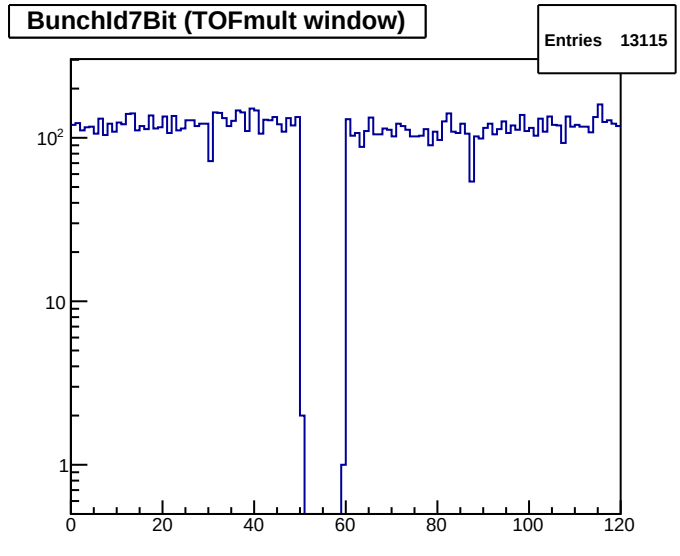

BunchId7Bit (VPD-TAC)
Entries 188094
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

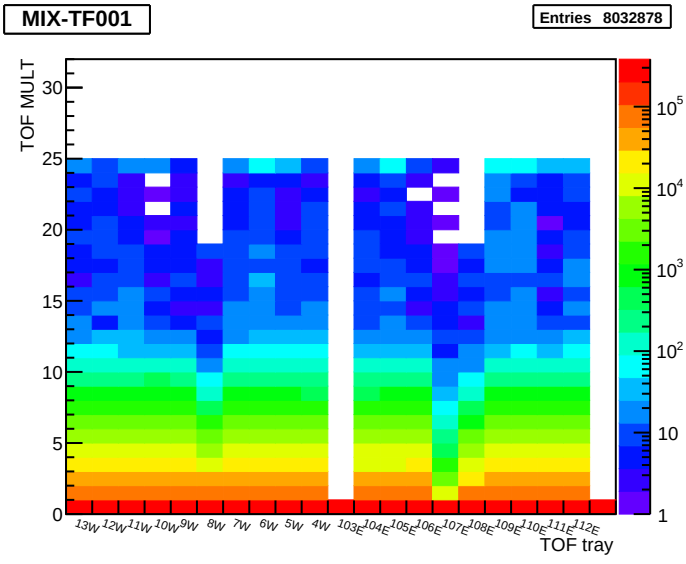

BunchId7Bit (ZDC-TAC)
Entries 725
10
1
0
20
40
60
80
100
120

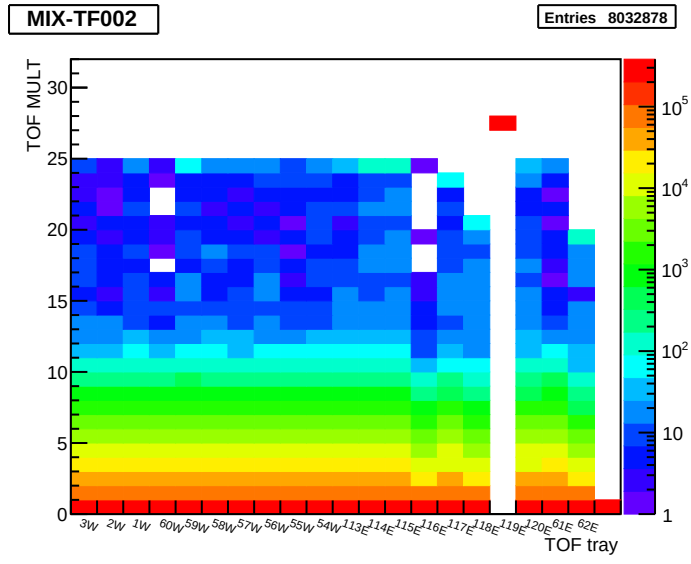

BunchId7Bit (EPD-TAC)
Entries 298895
$10^3$
$10^2$
10
0
20
40
60
80
100
120

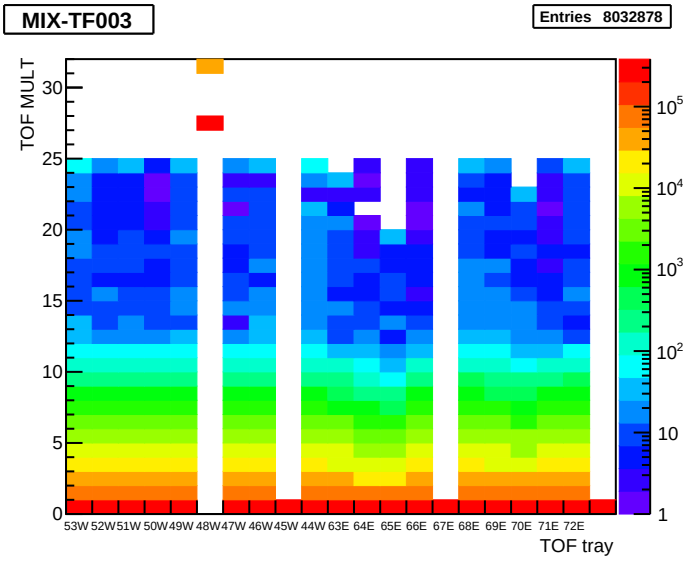

BunchId7Bit (BBC-TAC)
Entries 138887
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

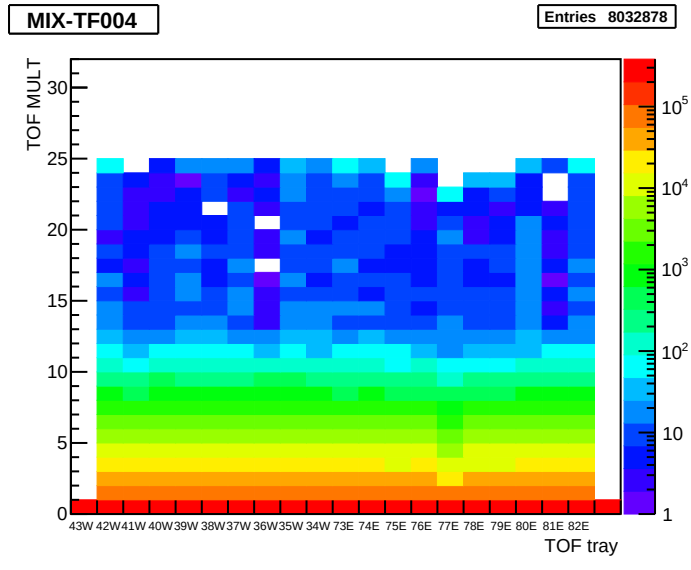

BunchId7Bit (Laser)
Entries 3566
0
20
40
60
80
100
120

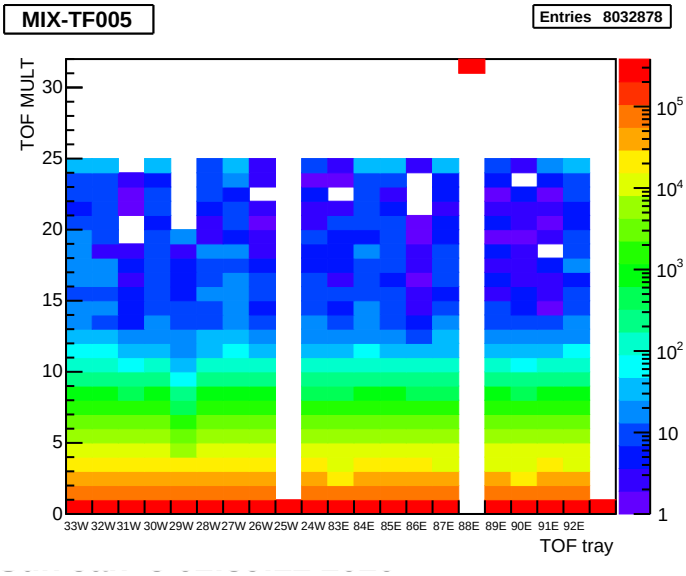

BunchId7Bit (TOFmult window)
Entries 13115
$10^2$
10
1
0
20
40
60
80
100
120

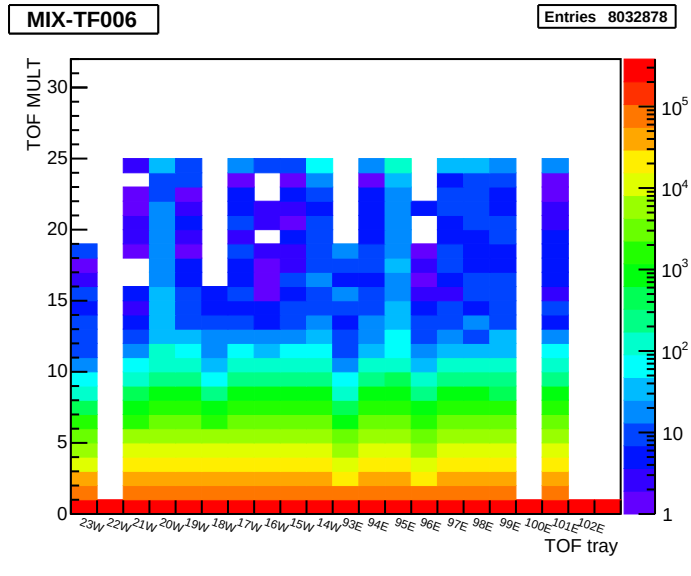

MIX-TF001
Entries 8032878
TOF MULT
TOF tray

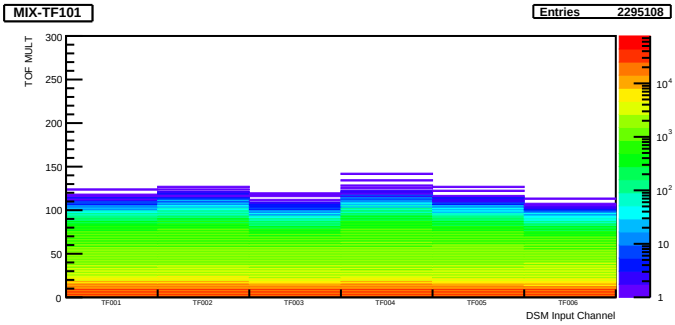

MIX-TF002
Entries 8032878
TOF MULT
TOF tray

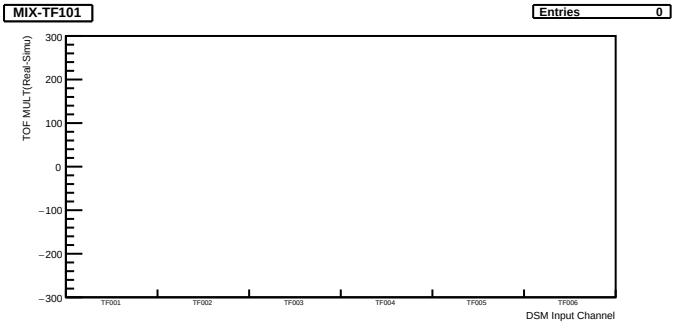

MIX-TF003
Entries 8032878
TOF MULT
TOF tray

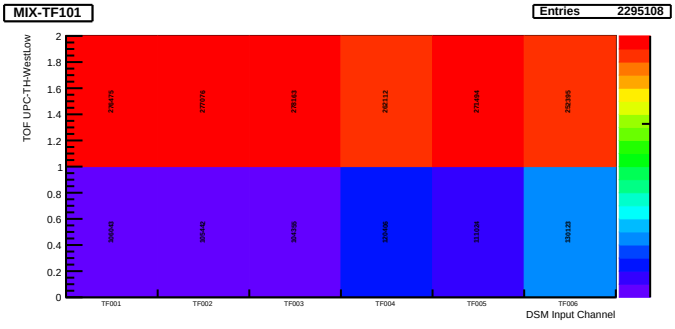

MIX-TF004
Entries 8032878
TOF MULT
TOF tray

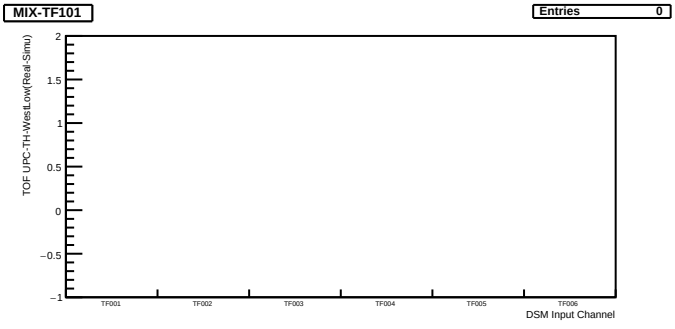

MIX-TF005
Entries 8032878
TOF MULT
TOF tray

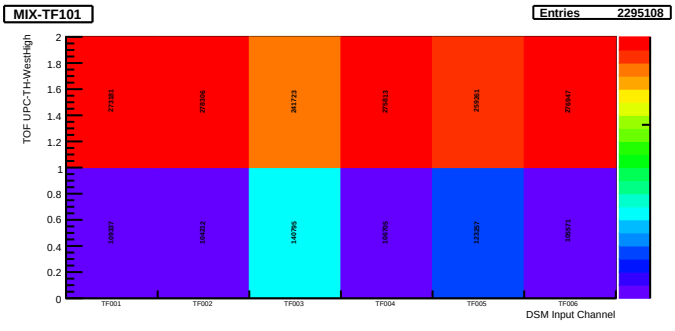

MIX-TF006
Entries 8032878
TOF MULT
TOF tray

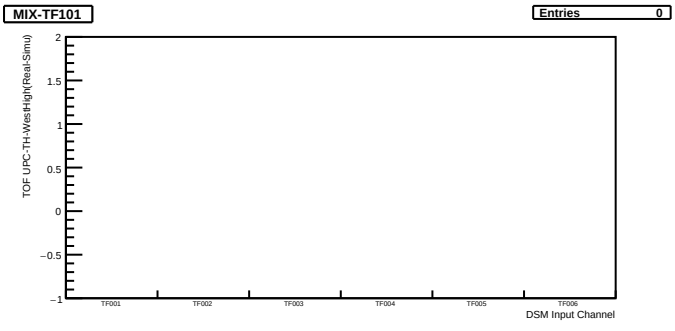

MIX-TF101
Entries 2295108
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

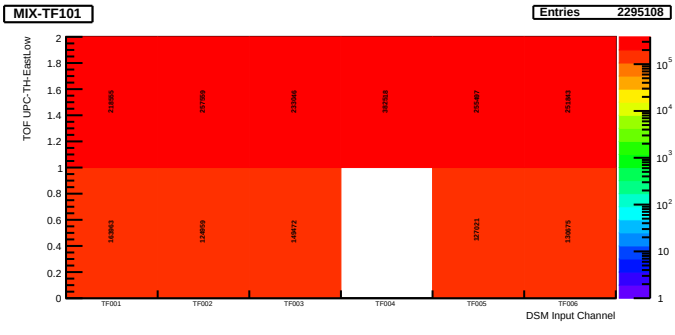

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

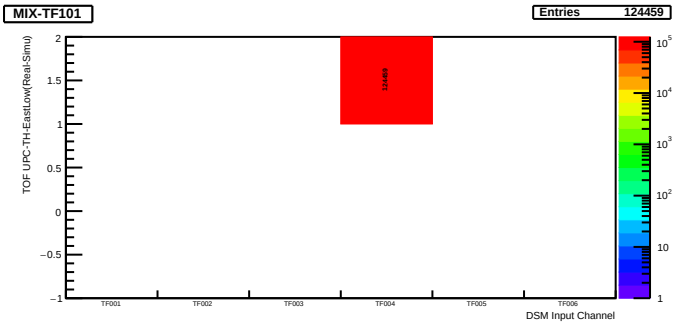

MIX-TF101
Entries 2295108
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

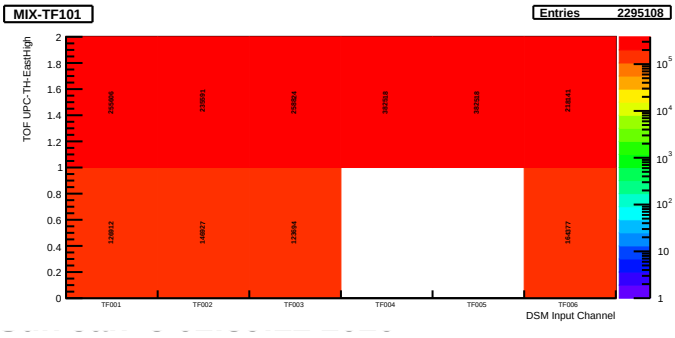

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

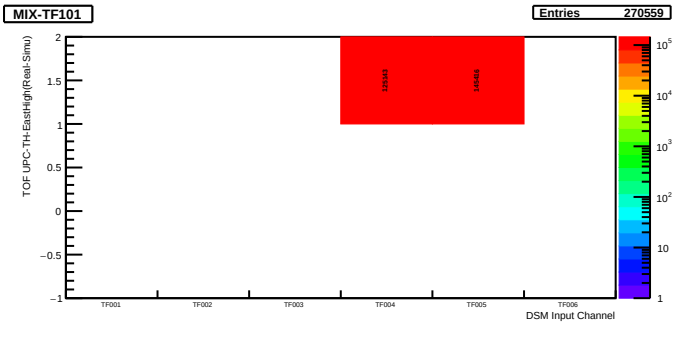

MIX-TF101
Entries 2295108
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

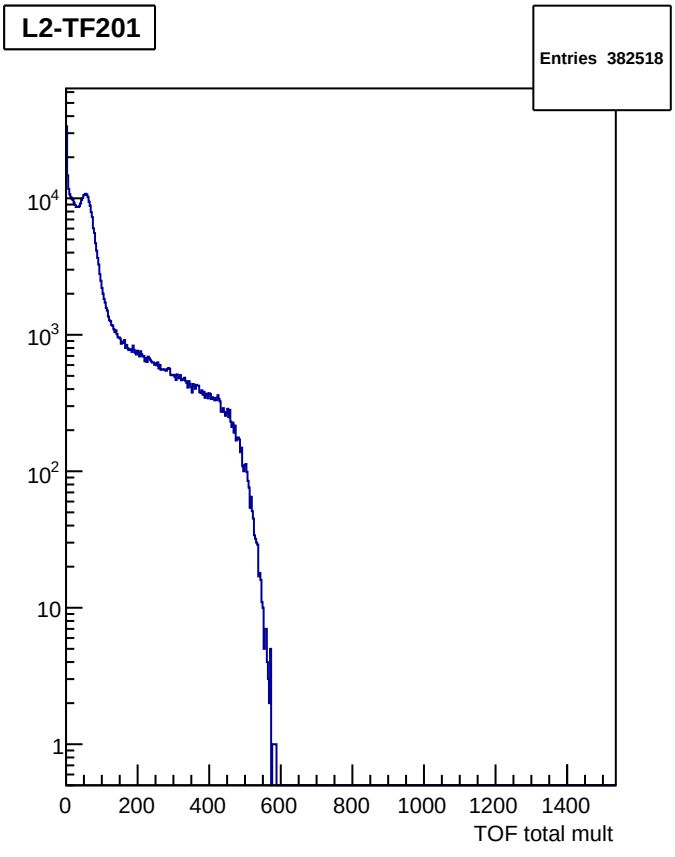

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

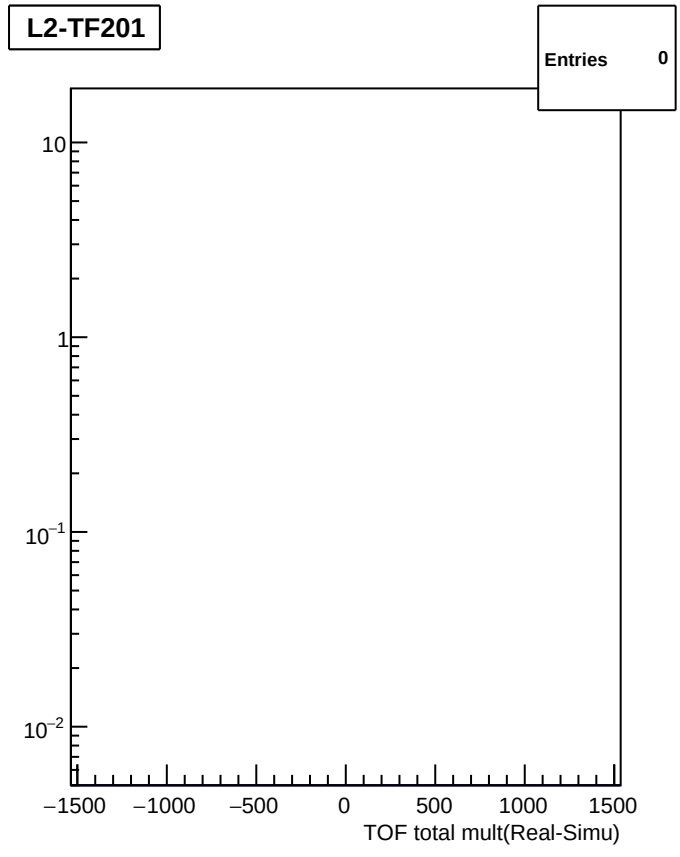

MIX-TF101
Entries 2295108
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

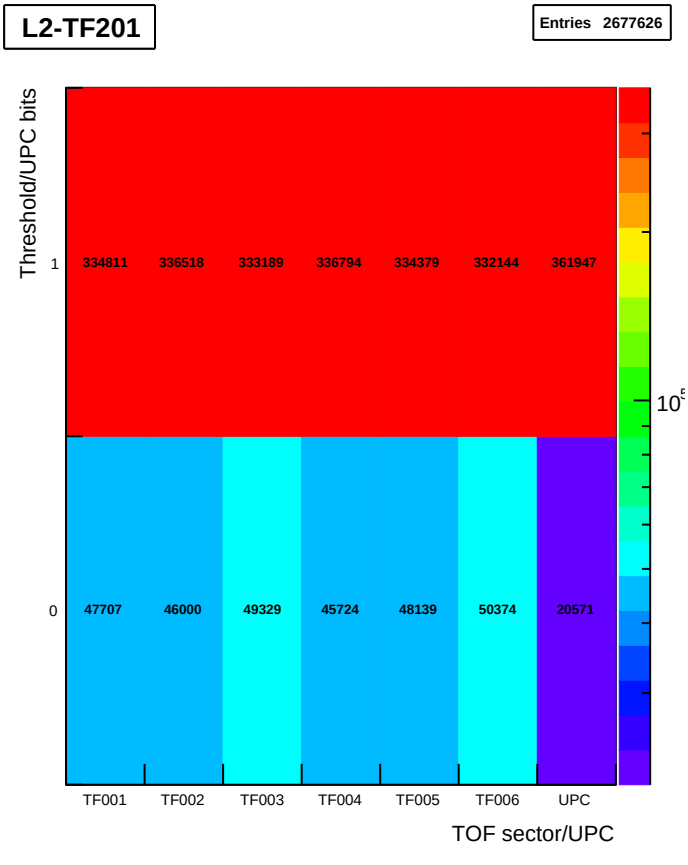

MIX-TF101
Entries 124459
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

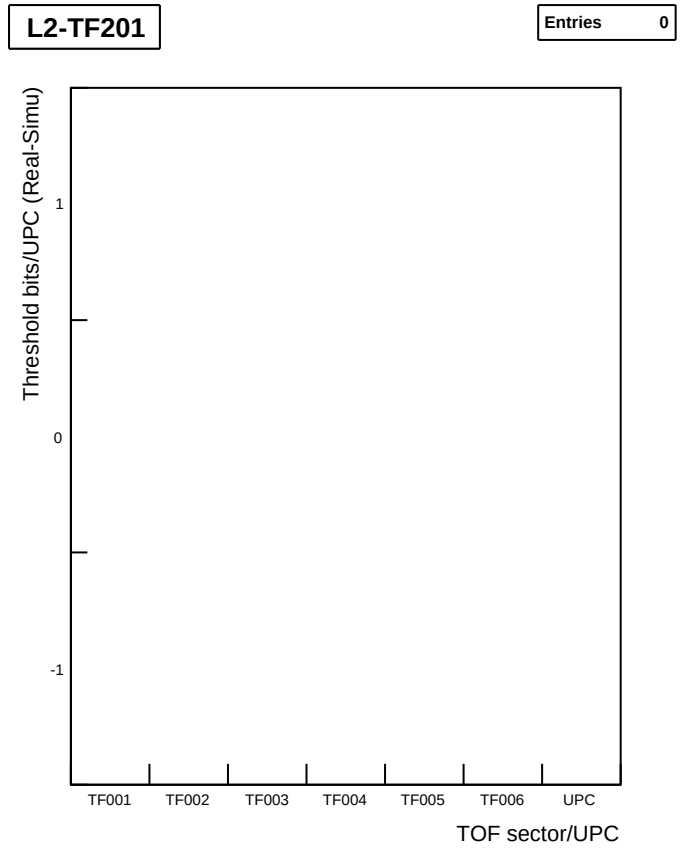

MIX-TF101
Entries 2295108
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

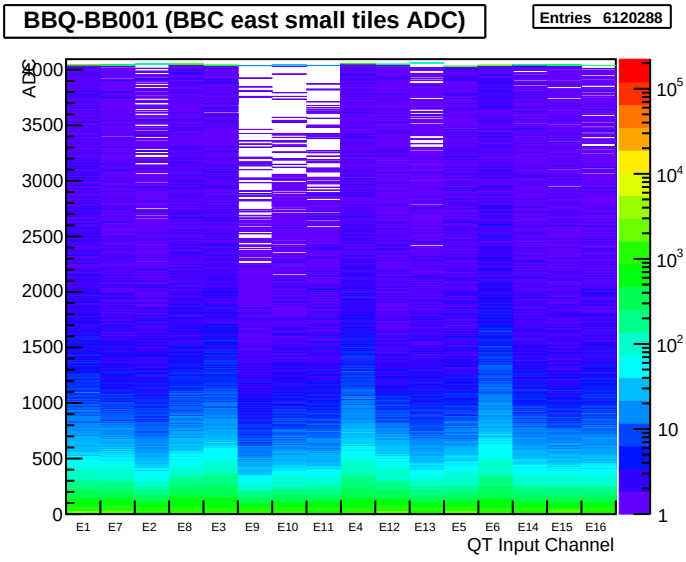

MIX-TF101
Entries 270559
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

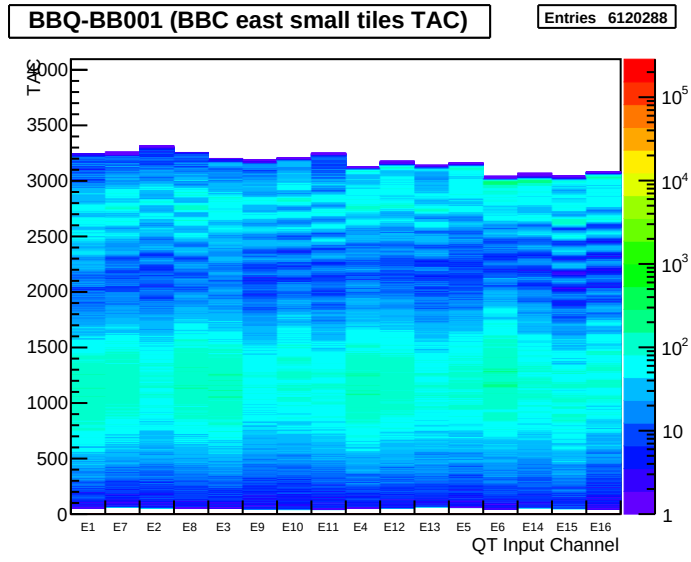

L2-TF201
Entries 382518
TOF total mult

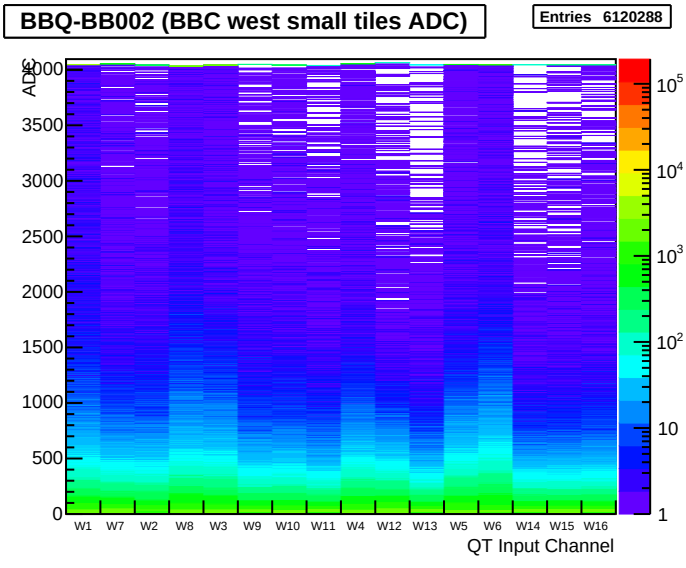

L2-TF201
Entries 0
TOF total mult(Real-Simu)

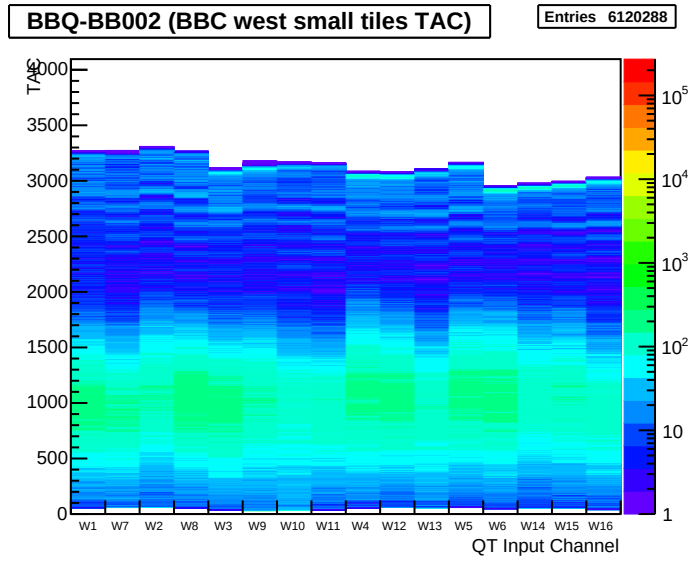

L2-TF201
Entries 2677626
Threshold/UPC bits
334811 336518 333189 336794 334379 332144 361947
47707 46000 49329 45724 48139 50374 20571
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

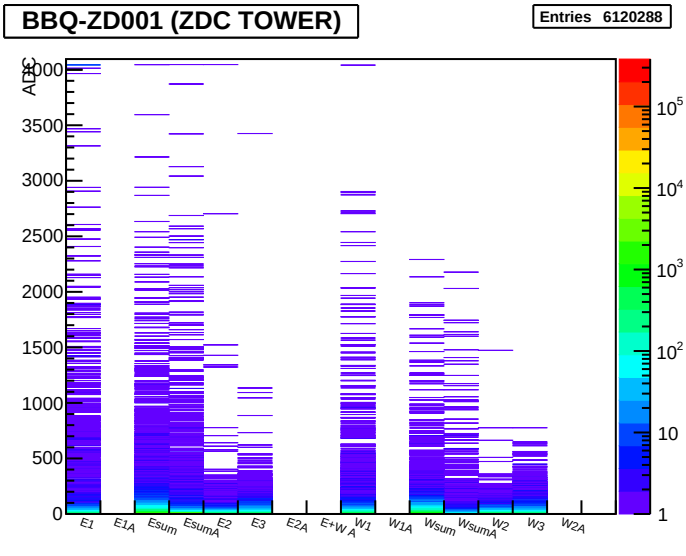

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

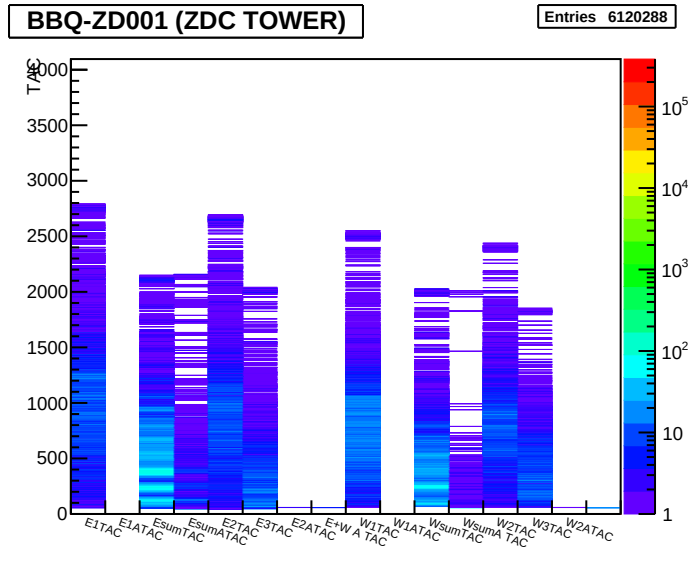

BBQ-BB001 (BBC east small tiles ADC)
Entries 6120288
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

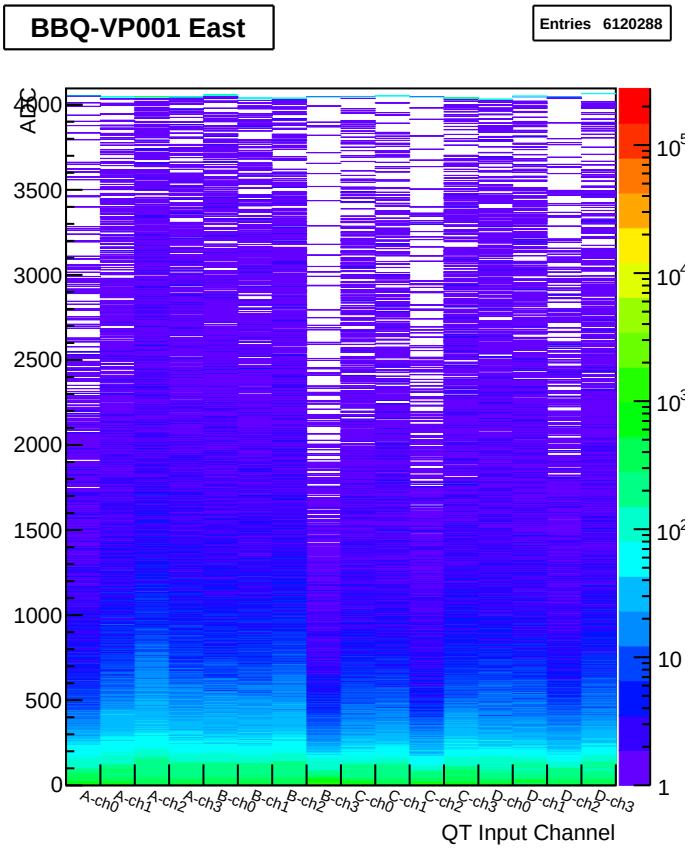

BBQ-BB001 (BBC east small tiles TAC)
Entries 6120288
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

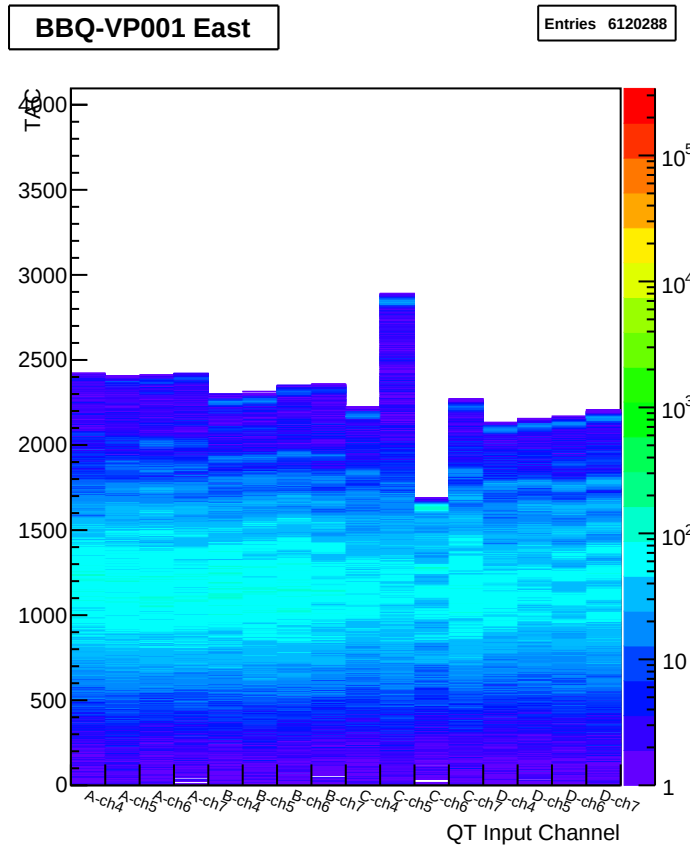

BBQ-BB002 (BBC west small tiles ADC)
Entries 6120288
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

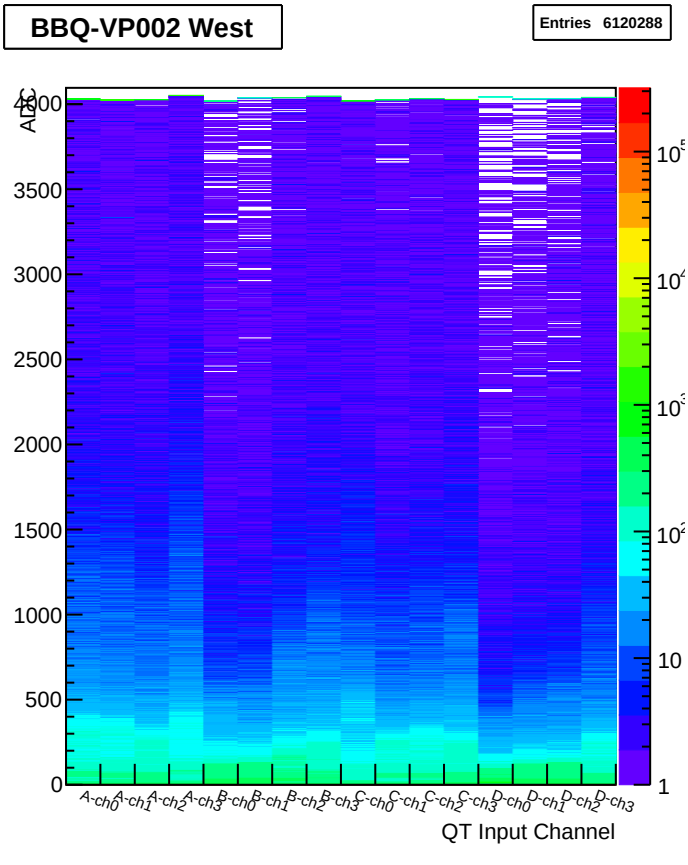

BBQ-BB002 (BBC west small tiles TAC)
Entries 6120288
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

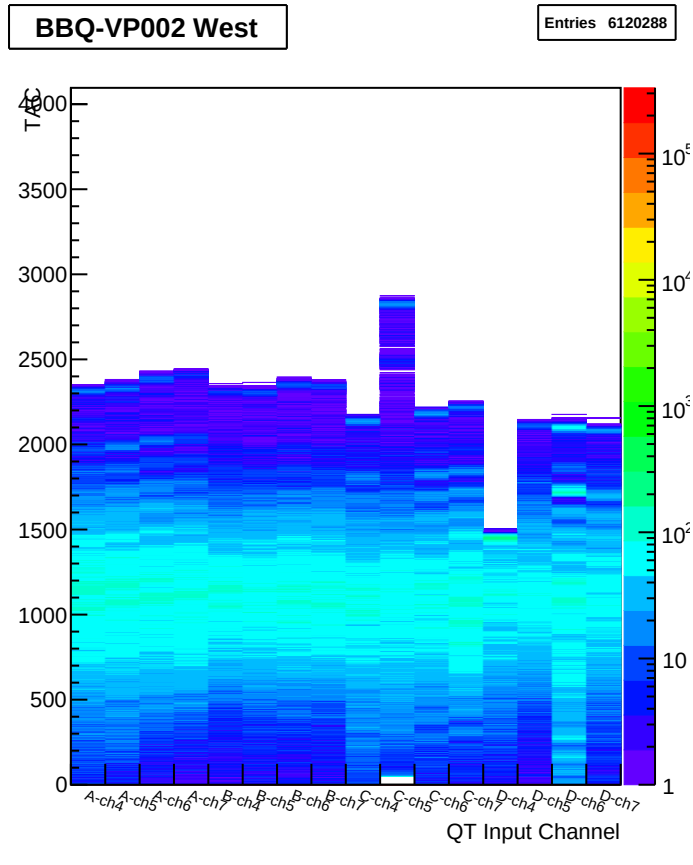

BBQ-ZD001 (ZDC TOWER)
Entries 6120288
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

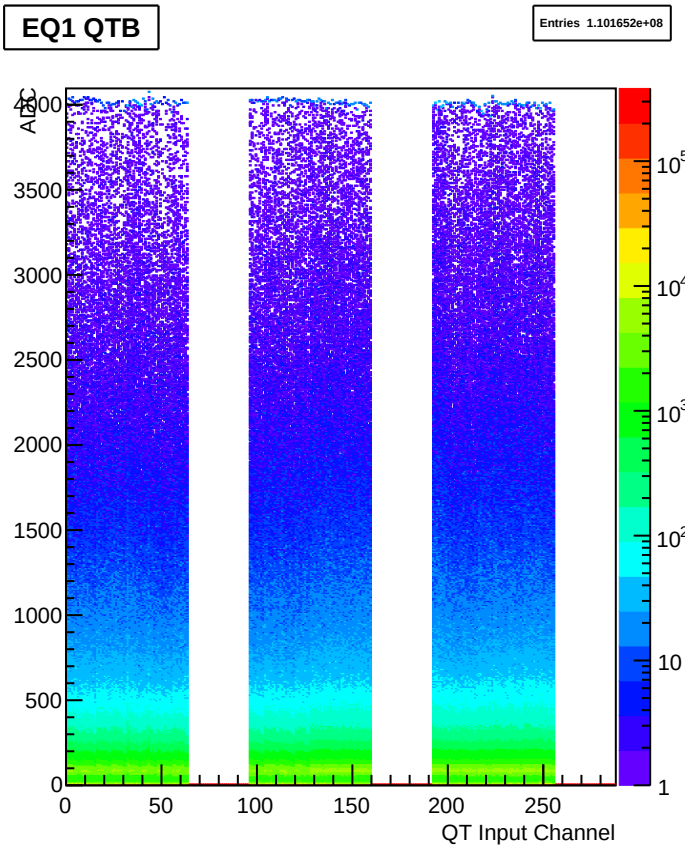

BBQ-ZD001 (ZDC TOWER)
Entries 6120288
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

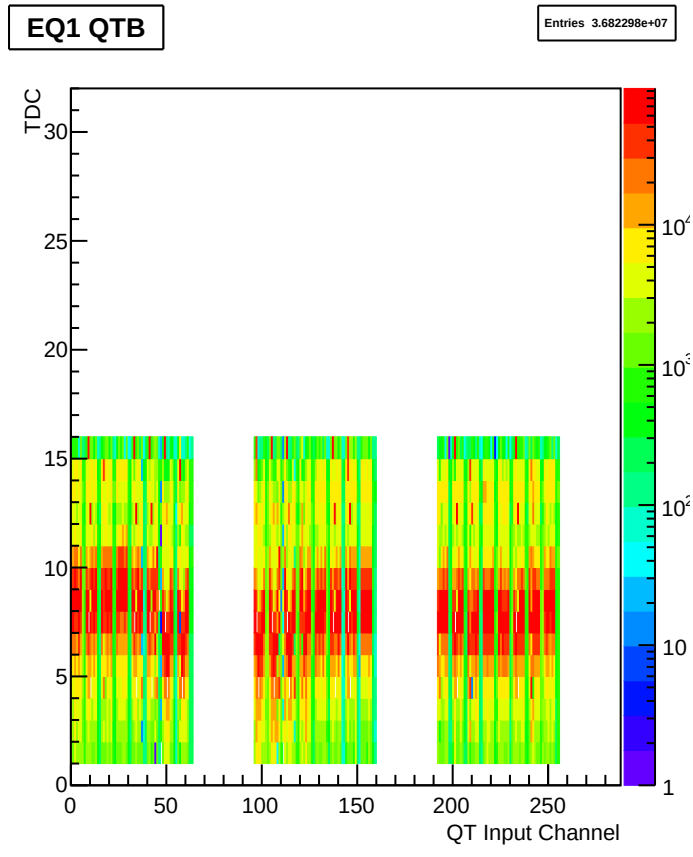

BBQ-VP001 East
Entries 6120288
ADC
QT Input Channel

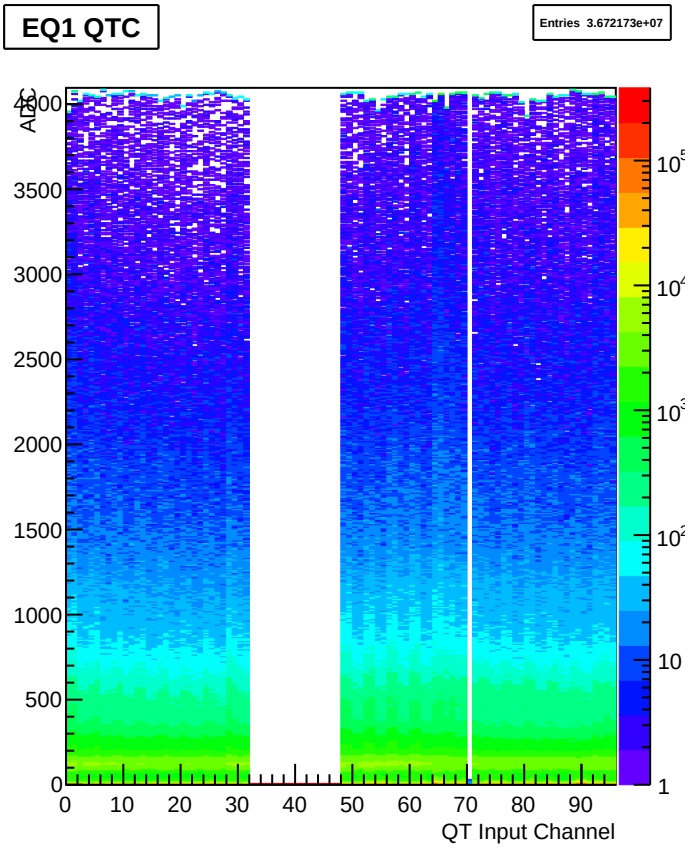

BBQ-VP001 East
Entries 6120288
TADC
QT Input Channel

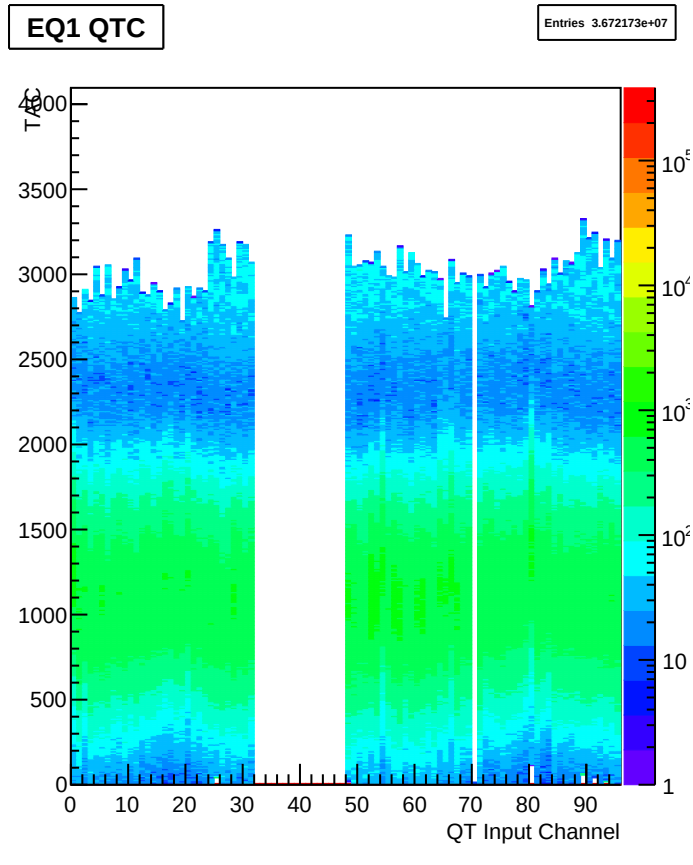

BBQ-VP002 West
Entries 6120288
ADC
QT Input Channel

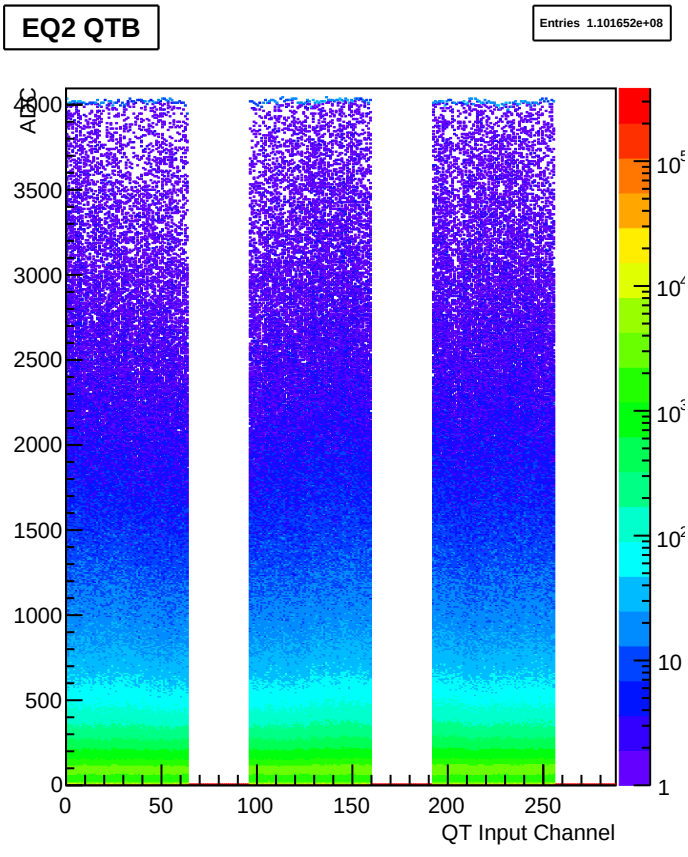

BBQ-VP002 West
Entries 6120288
TADC
QT Input Channel

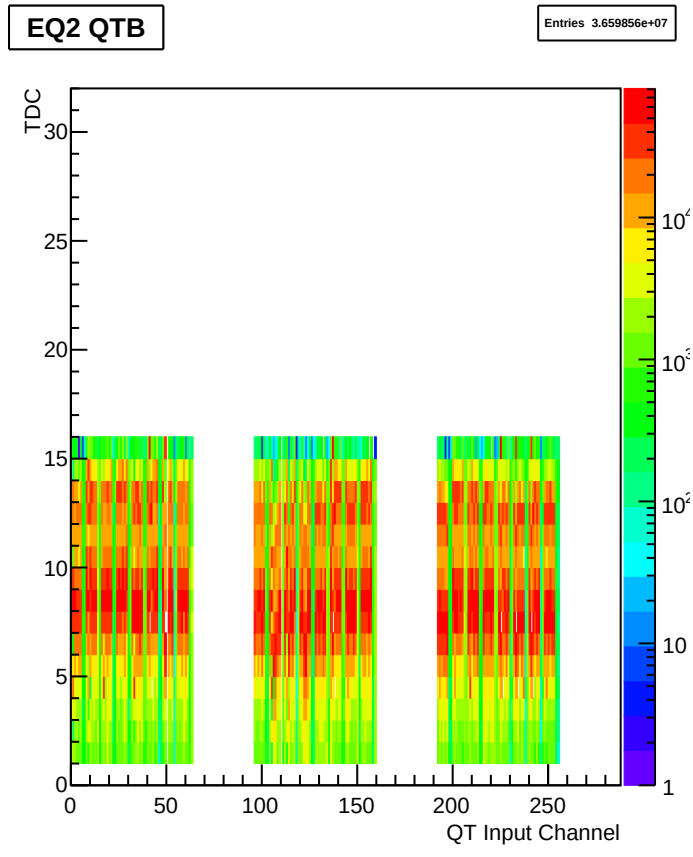

EQ1 QTB
Entries 1.101652e+08
ADC
QT Input Channel

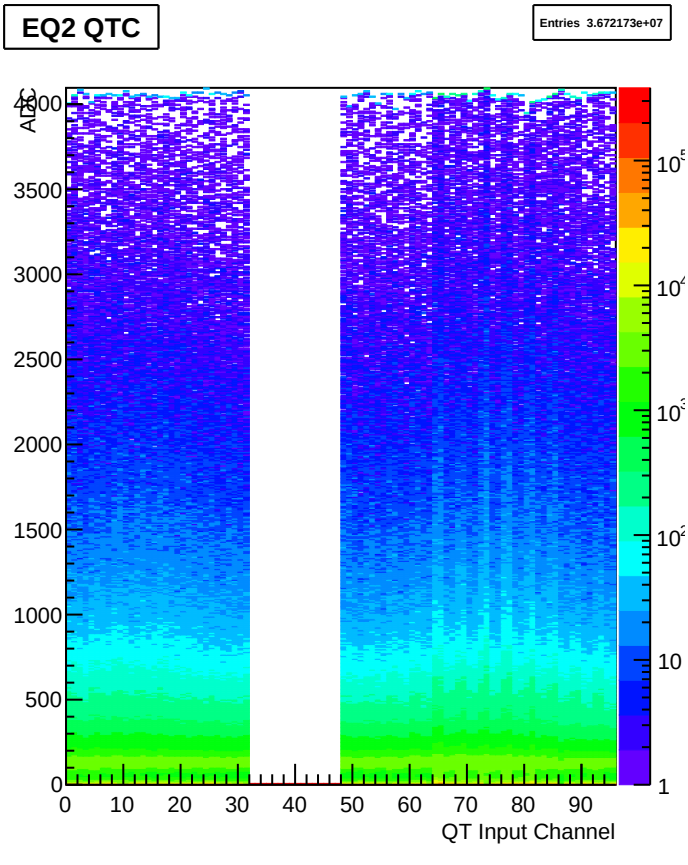

EQ1 QTB
Entries 3.682298e+07
TDC
QT Input Channel

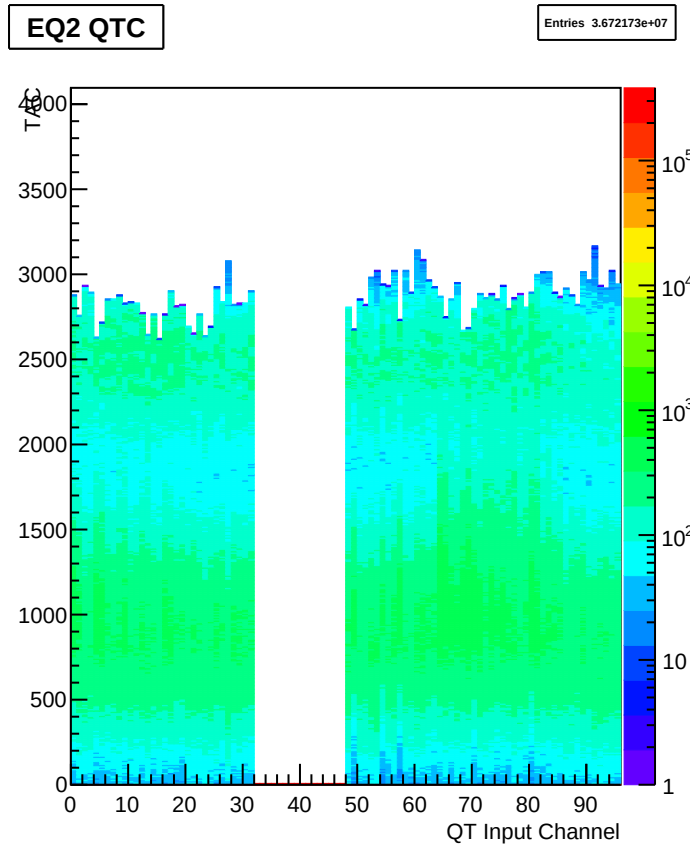

EQ1 QTC
Entries 3.672173e+07
ADC
QT Input Channel

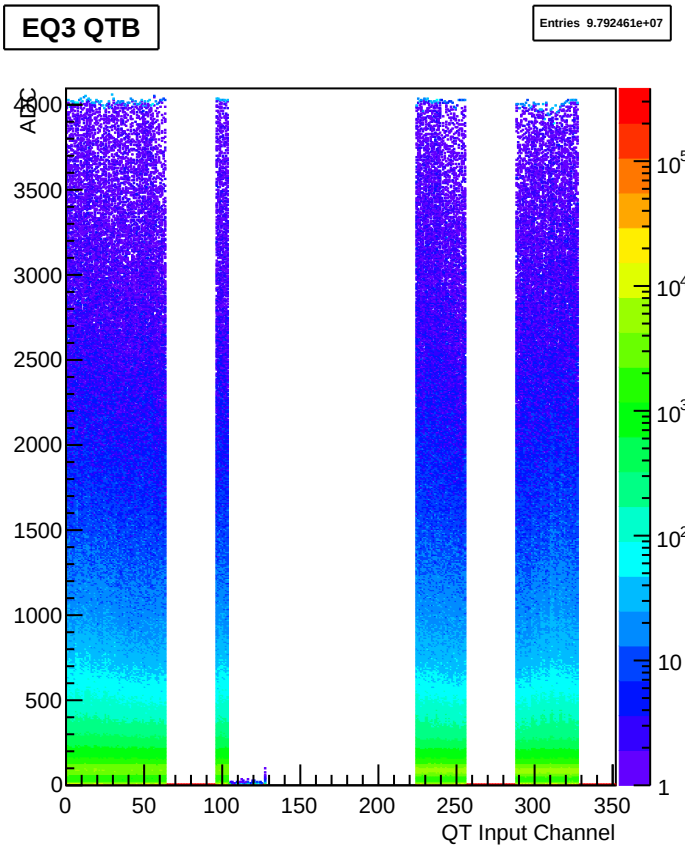

EQ1 QTC
Entries 3.672173e+07
TADC
QT Input Channel

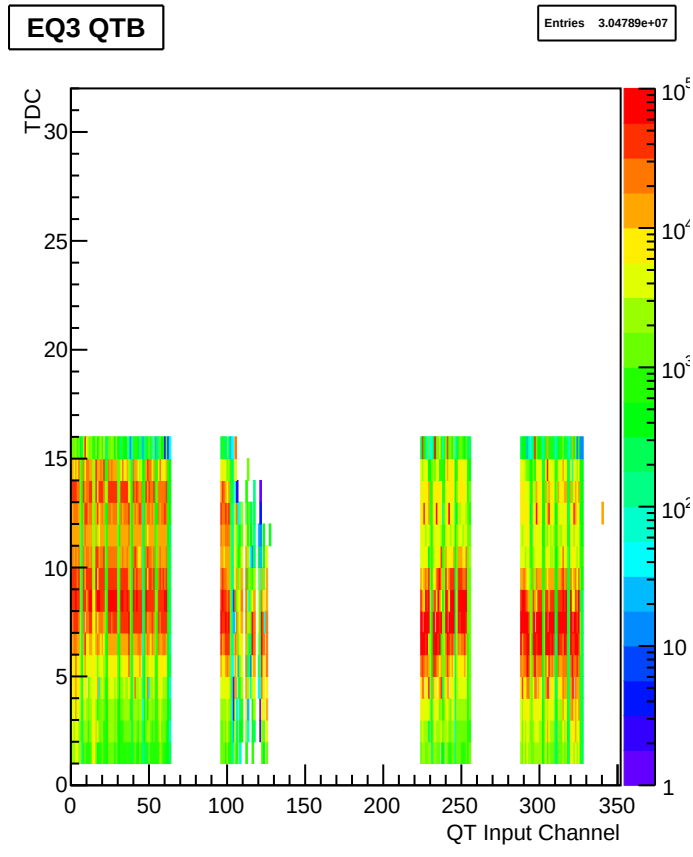

EQ2 QTB
Entries 1.101652e+08
ADC
QT Input Channel

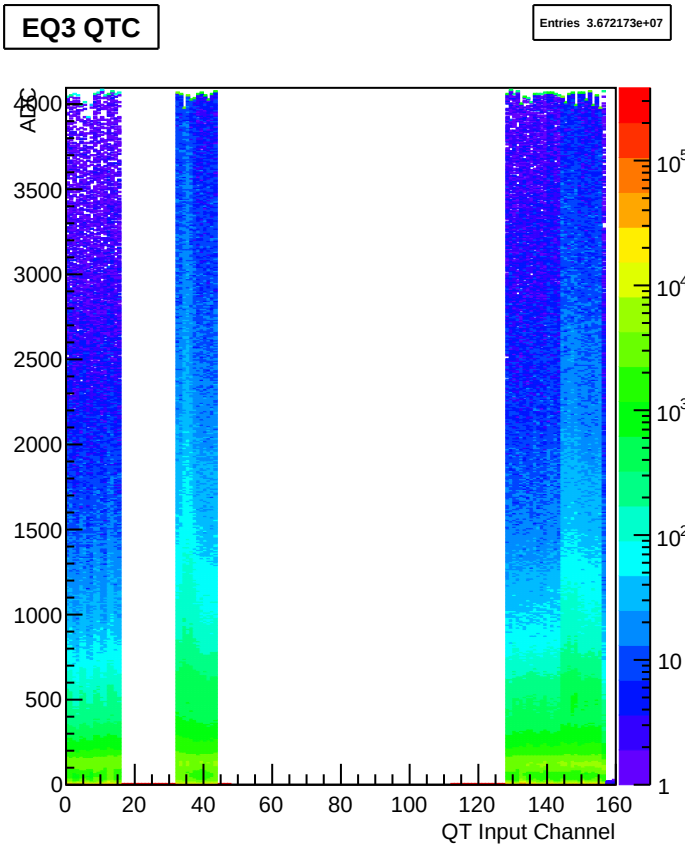

EQ2 QTB
Entries 3.659856e+07
TDC
QT Input Channel

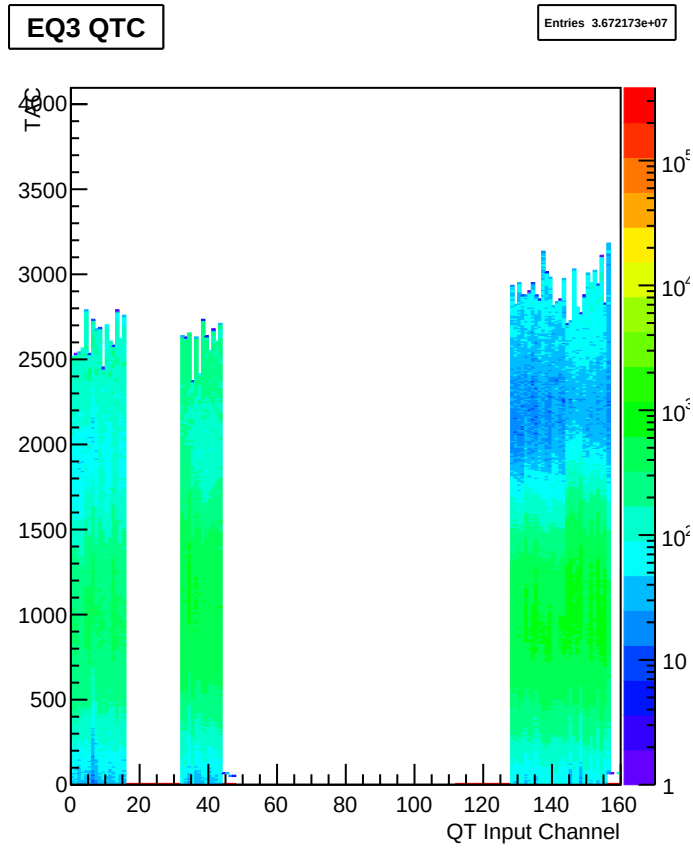

EQ2 QTC
Entries 3.672173e+07
ADC
QT Input Channel

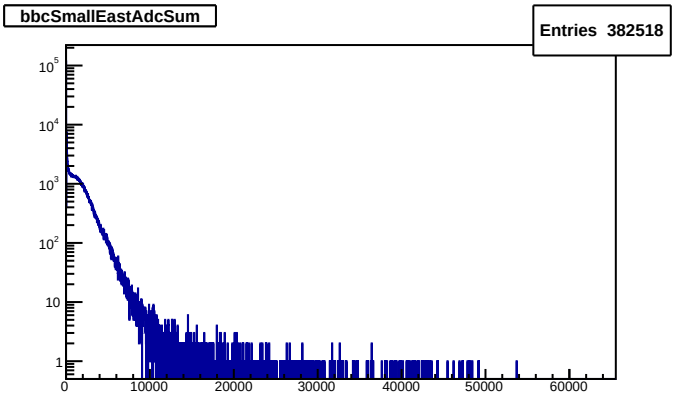

EQ2 QTC
Entries 3.672173e+07
TADC
QT Input Channel

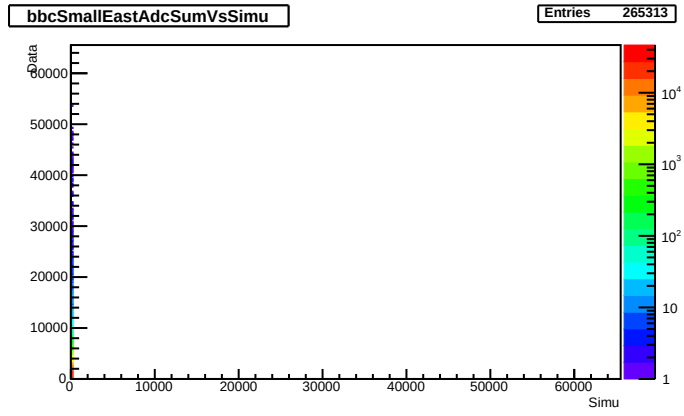

EQ3 QTB
Entries 9.792461e+07
ADC
QT Input Channel

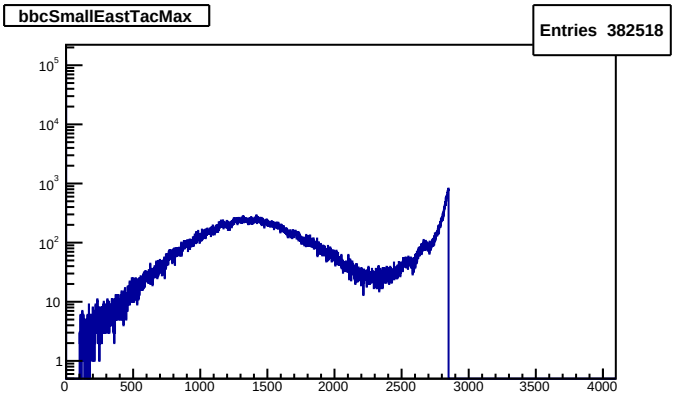

EQ3 QTB
Entries 3.04789e+07
TDC
QT Input Channel

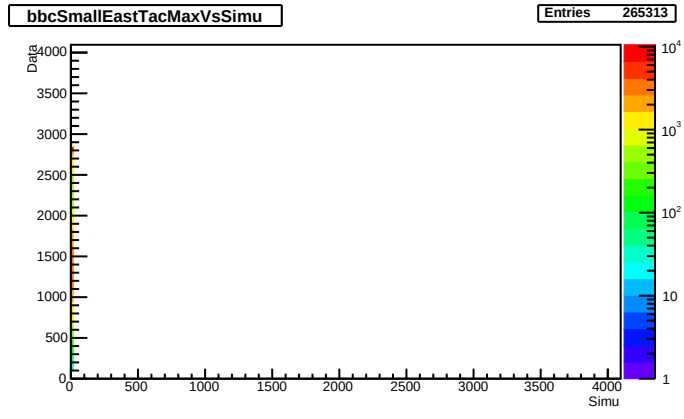

EQ3 QTC
Entries 3.672173e+07
ADC
QT Input Channel

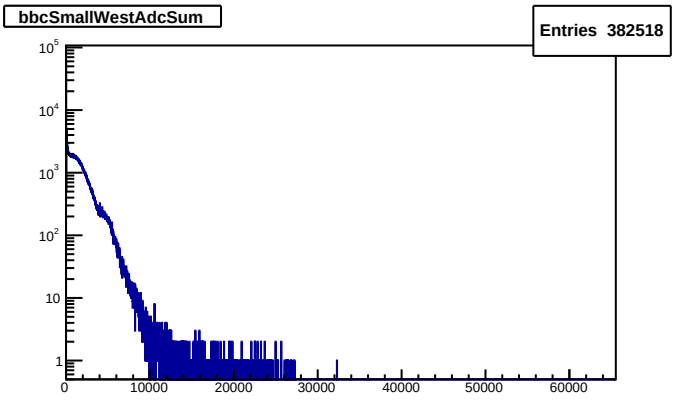

EQ3 QTC
Entries 3.672173e+07
TADC
QT Input Channel

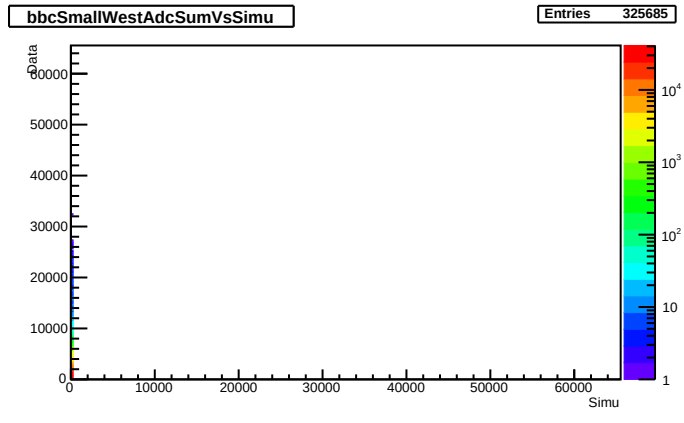

bbcSmallEastAdcSum
Entries 382518


bbcSmallEastAdcSumVsSimu
Entries 265313
Data
Simu


bbcSmallEastTacMax
Entries 382518


bbcSmallEastTacMaxVsSimu
Entries 265313
Data
Simu


bbcSmallWestAdcSum
Entries 382518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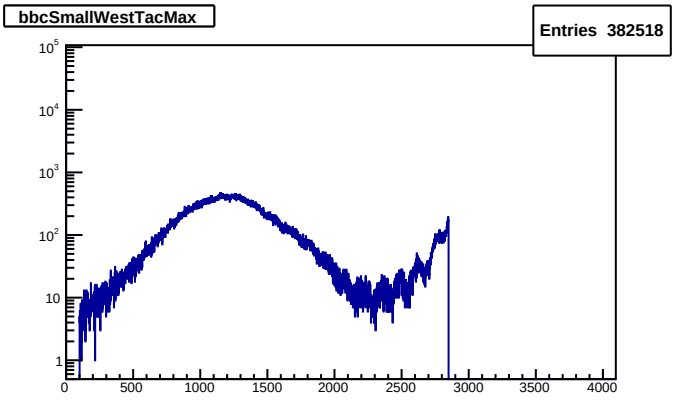
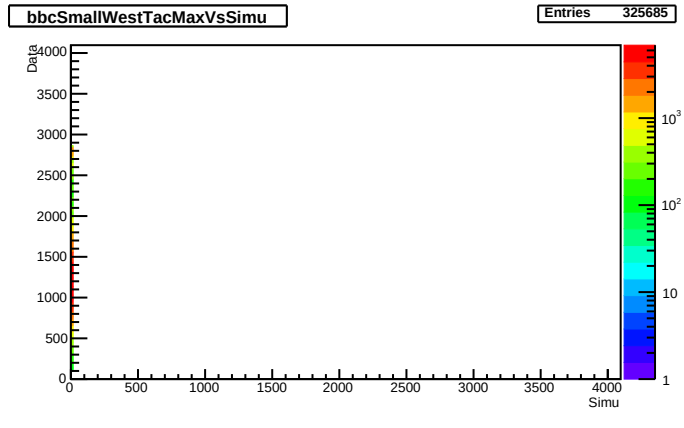
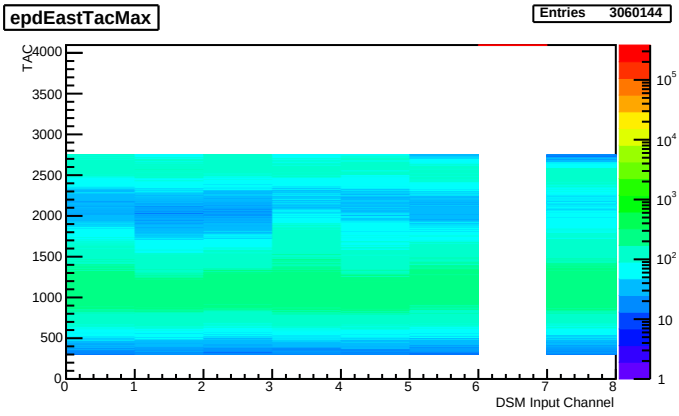
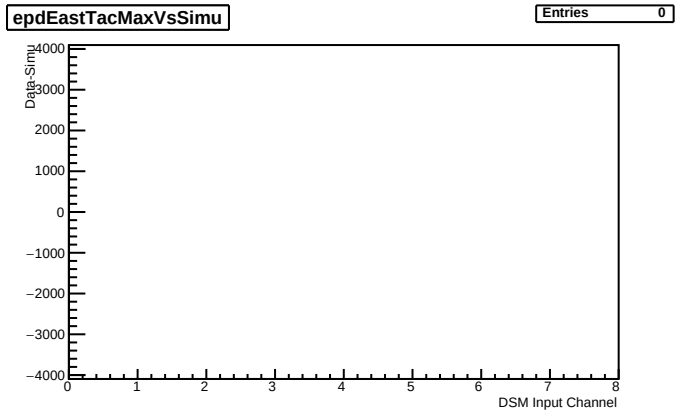
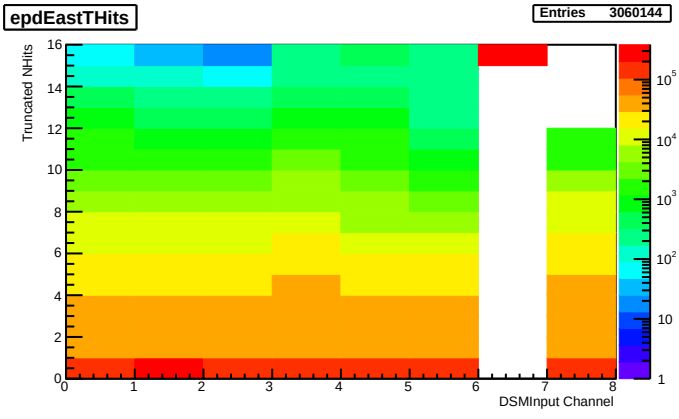
Entries 325685
Data
Simu

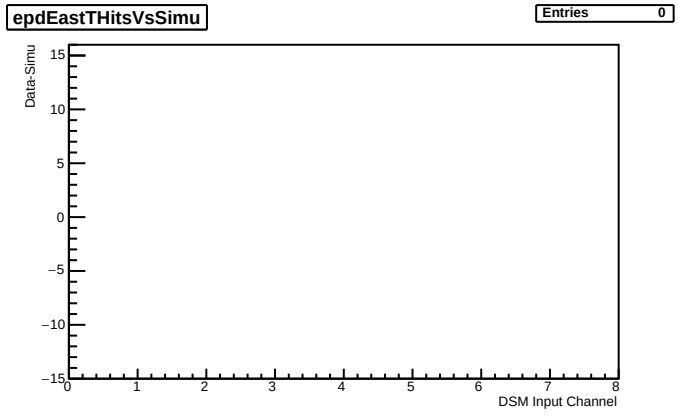

bbcSmallWestTacMax
Entries 382518

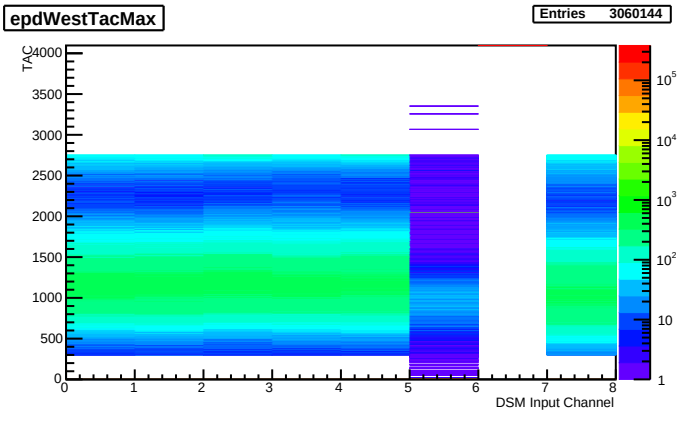

bbcSmallWestTacMaxVsSimu
Entries 325685
Data
Simu

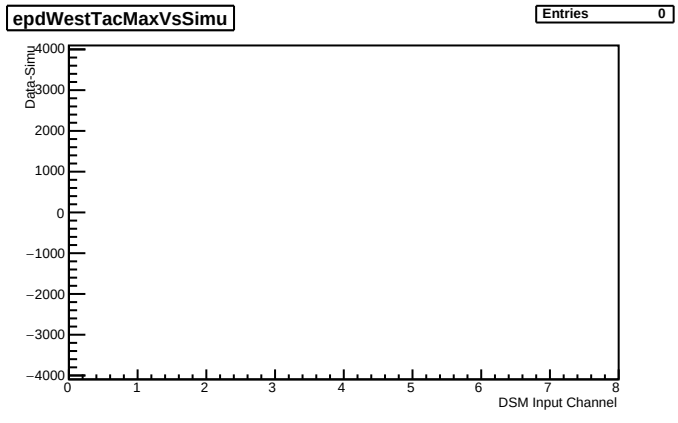

epdEastTacMax
Entries 3060144
TAC
DSM Input Channel

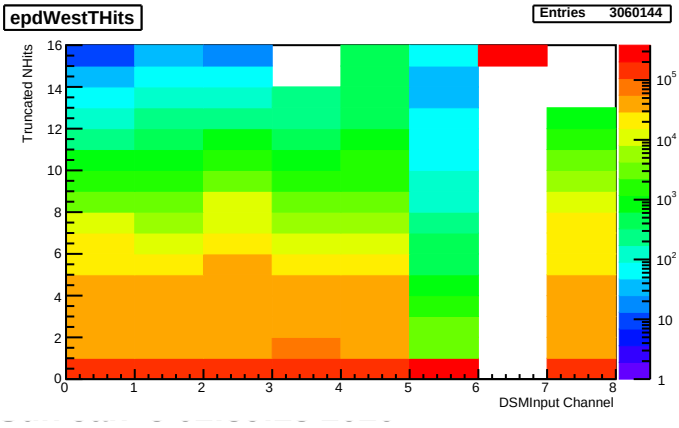

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

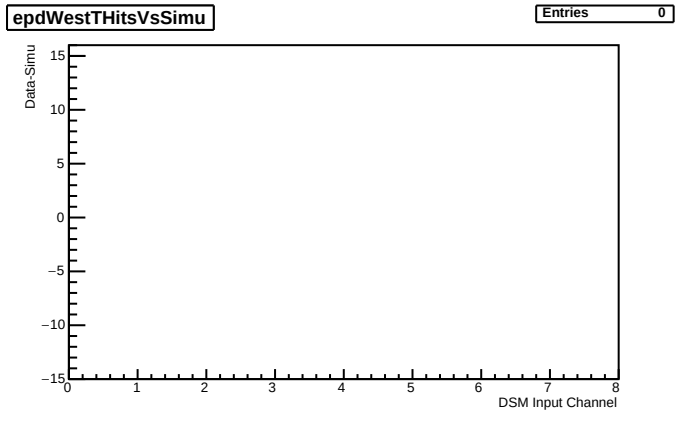

epdEastTHits
Entries 3060144
Truncated NHits
DSMInput Channel

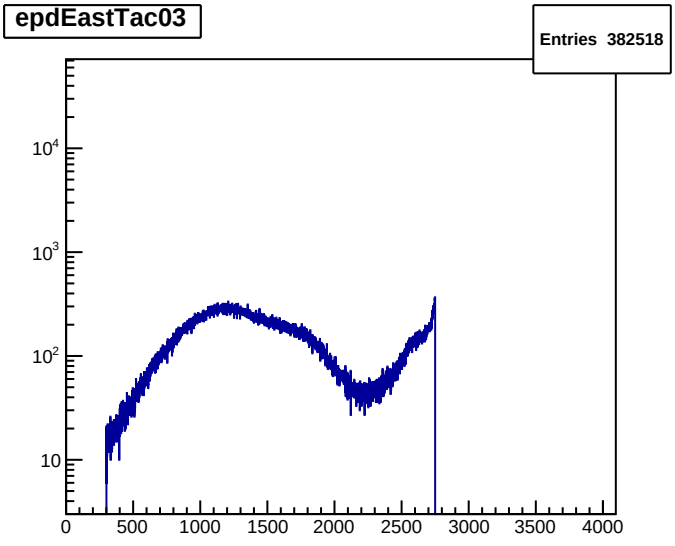

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

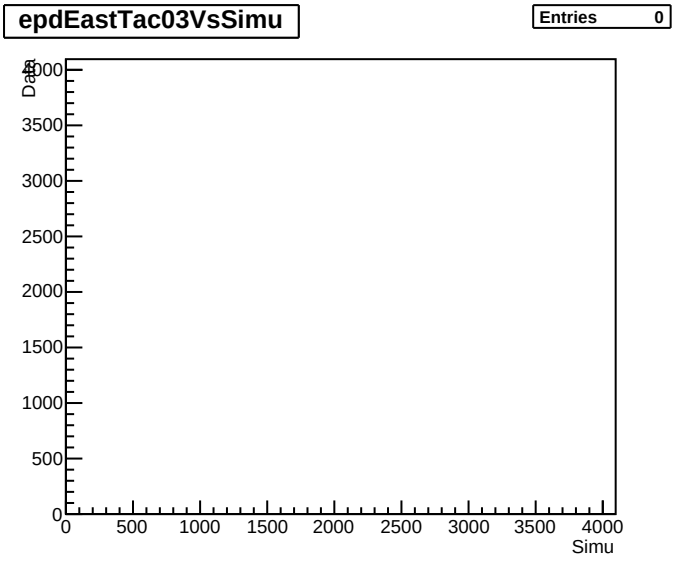

epdWestTacMax
Entries 3060144
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3060144
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 382518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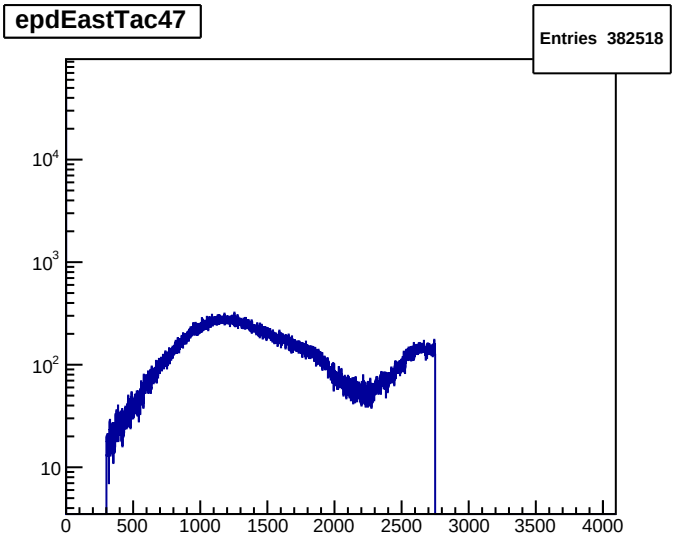
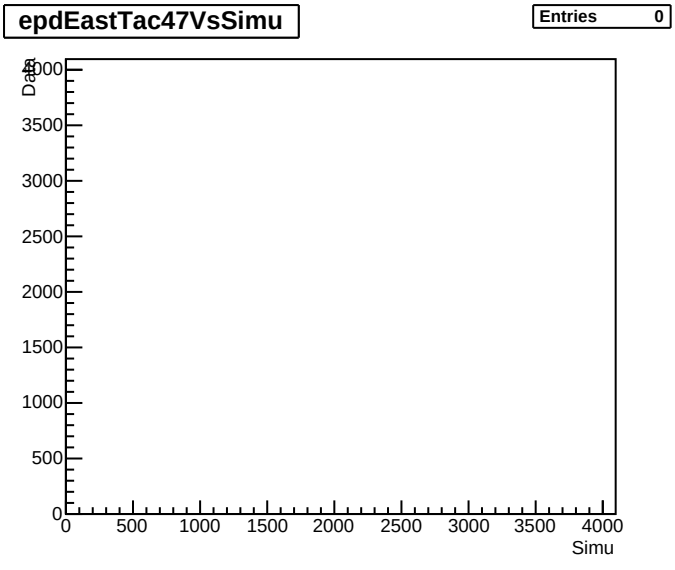
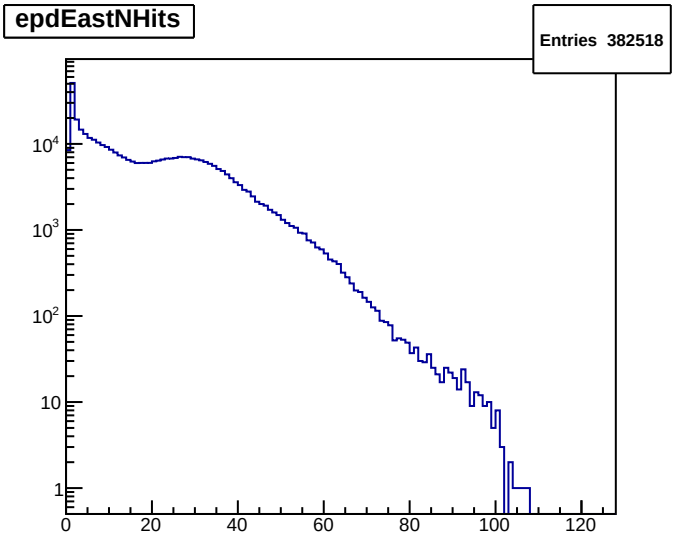
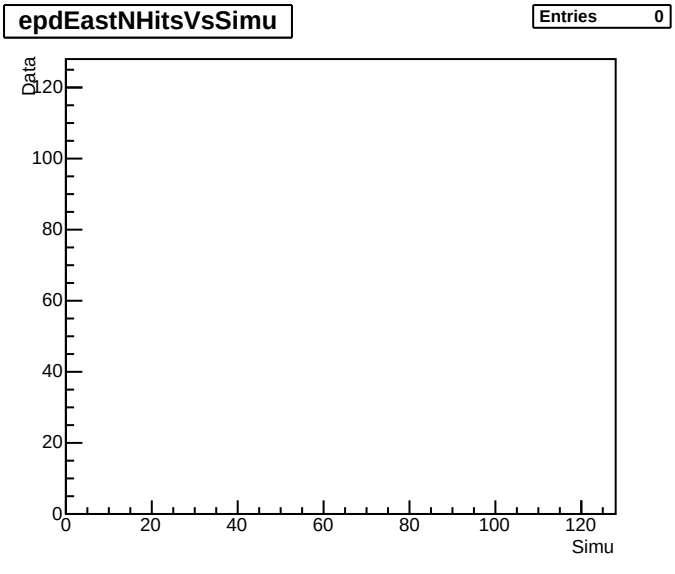
Entries 0
Data
Simu


epdEastTac47
Entries 382518


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 382518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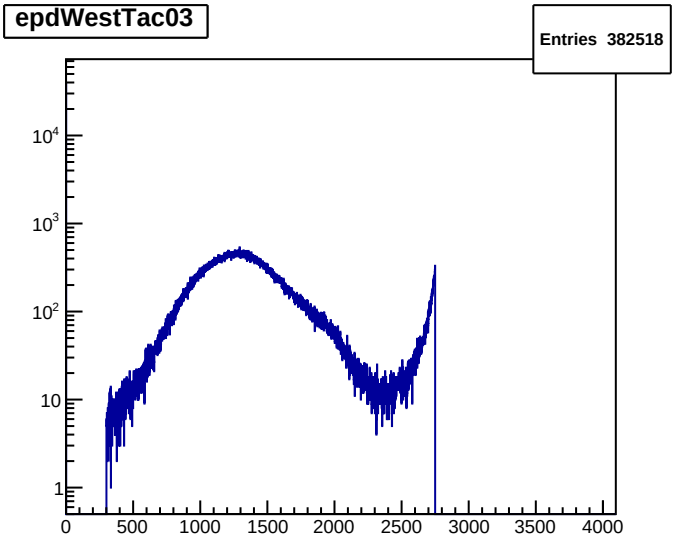
Entries 0
Data
Simu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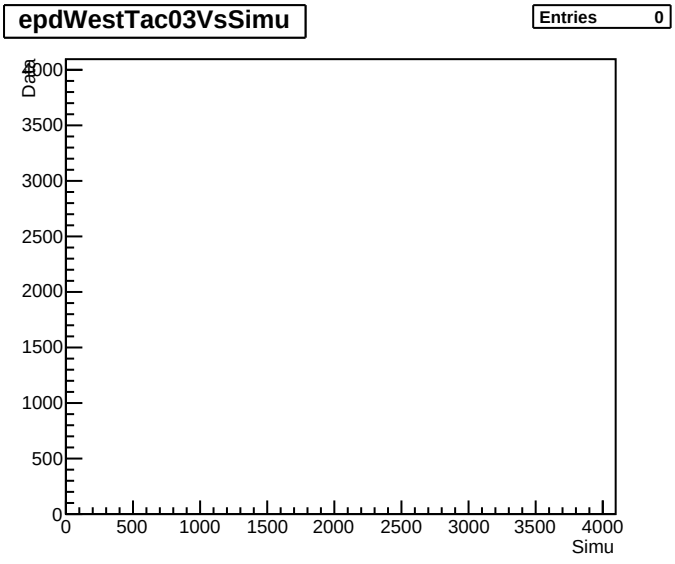
Entries 382518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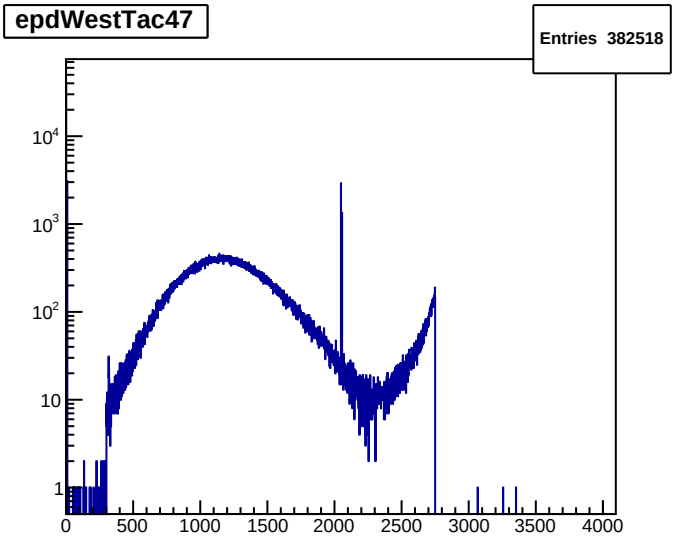
Entries 0
Data
Simu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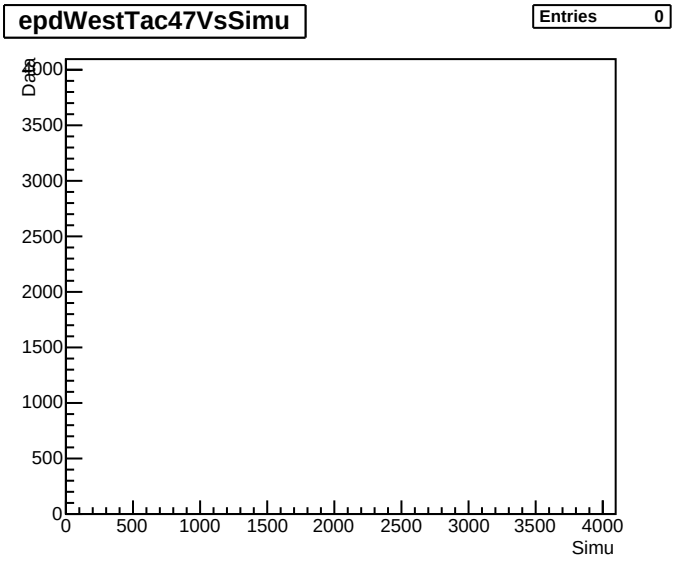
Entries 382518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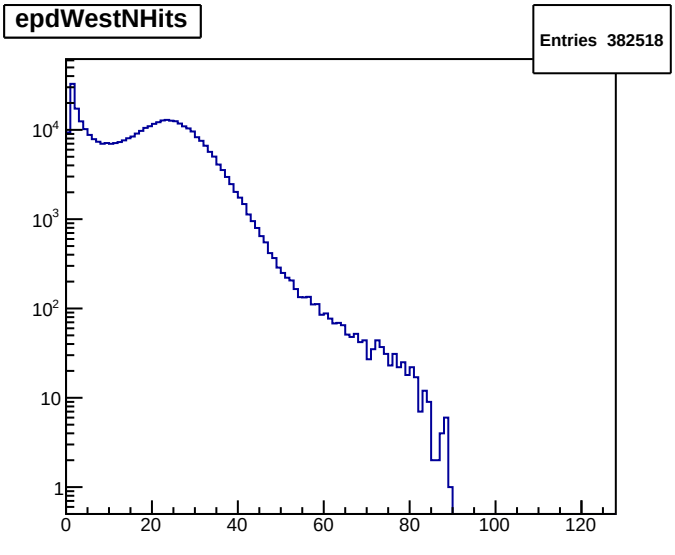
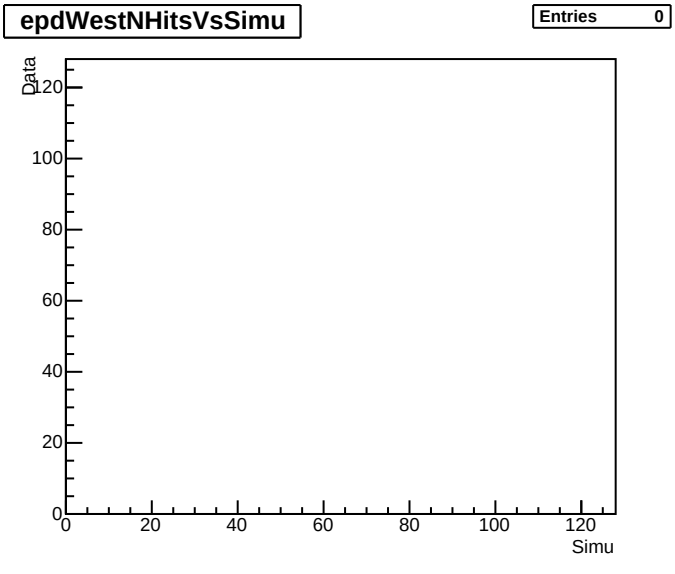
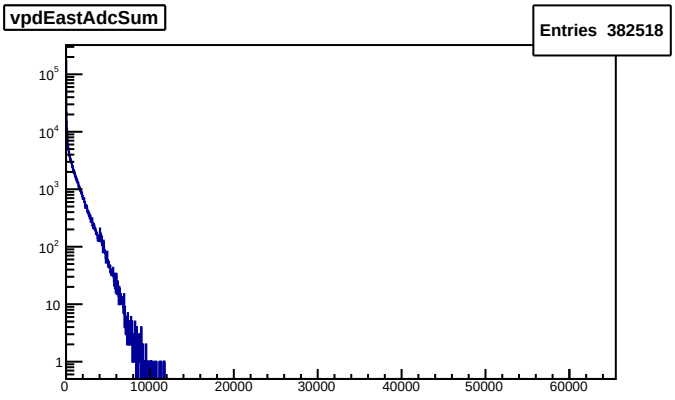
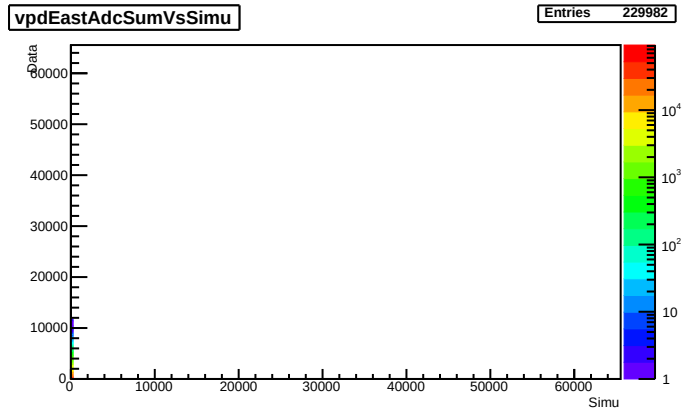
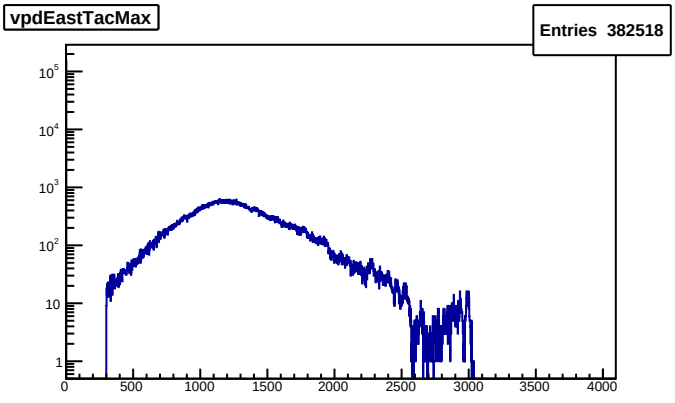
Entries 0
Data
Simu

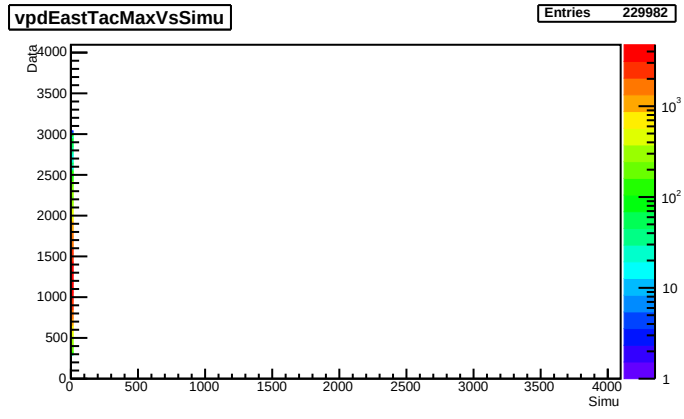

epdWestNHits
Entries 382518

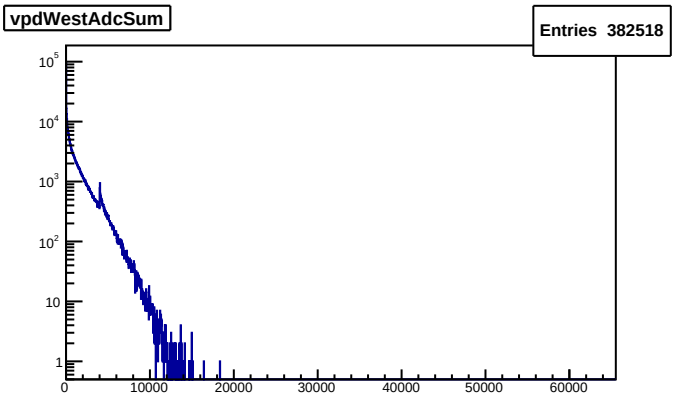

epdWestNHitsVsSimu
Entries 0
Data
Simu

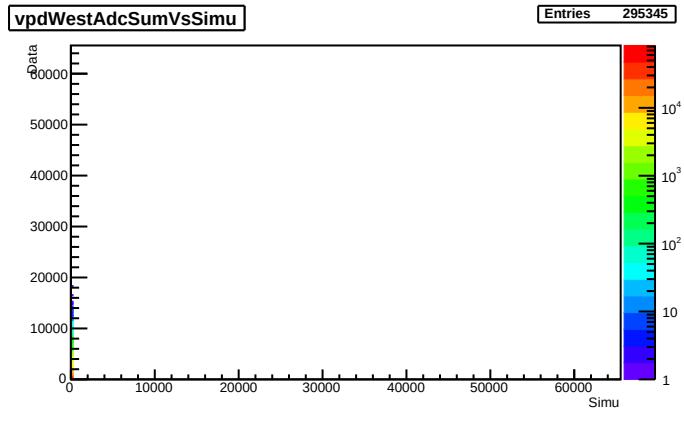

vpdEastAdcSum
Entries 382518

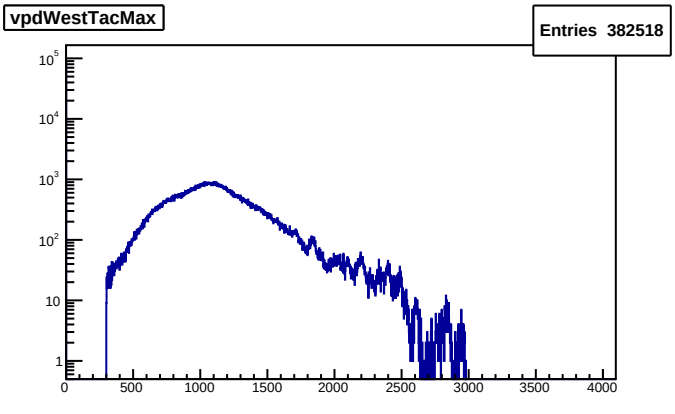

vpdEastAdcSumVsSimu
Entries 229982
Data
Simu

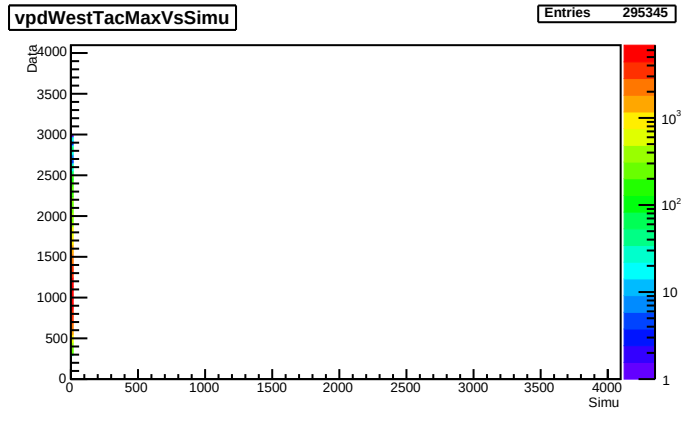

vpdEastTacMax
Entries 382518

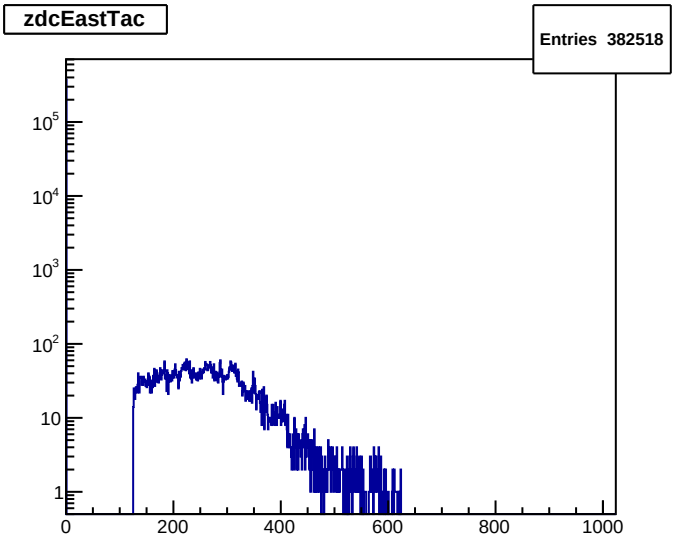

vpdEastTacMaxVsSimu
Entries 229982
Data
Simu

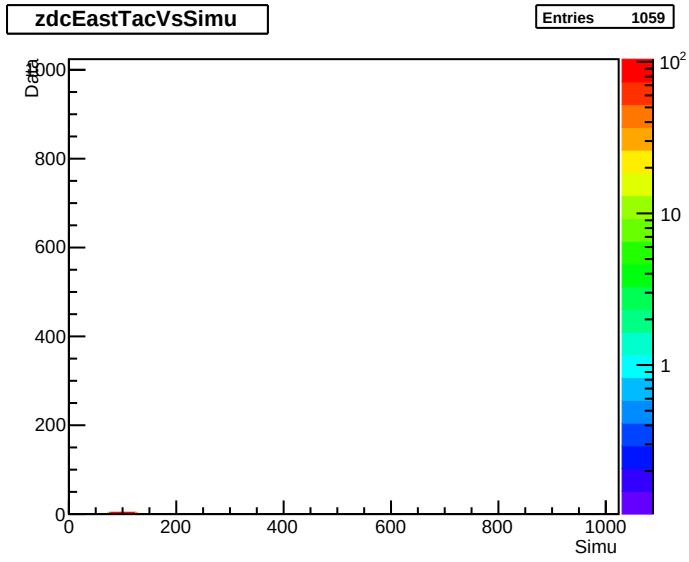

vpdWestAdcSum
Entries 382518

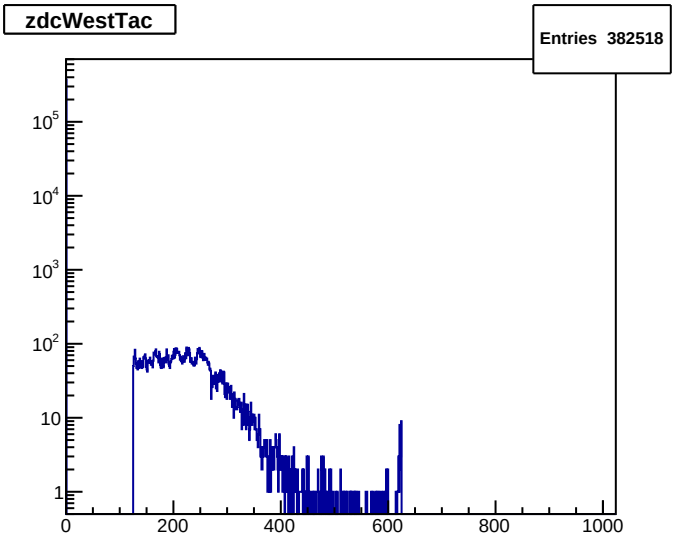

vpdWestAdcSumVsSimu
Entries 295345
Data
Simu

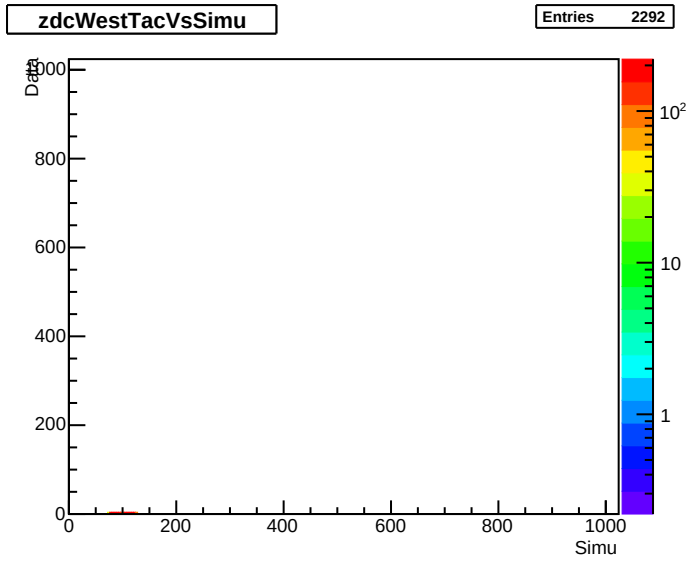

vpdWestTacMax
Entries 382518

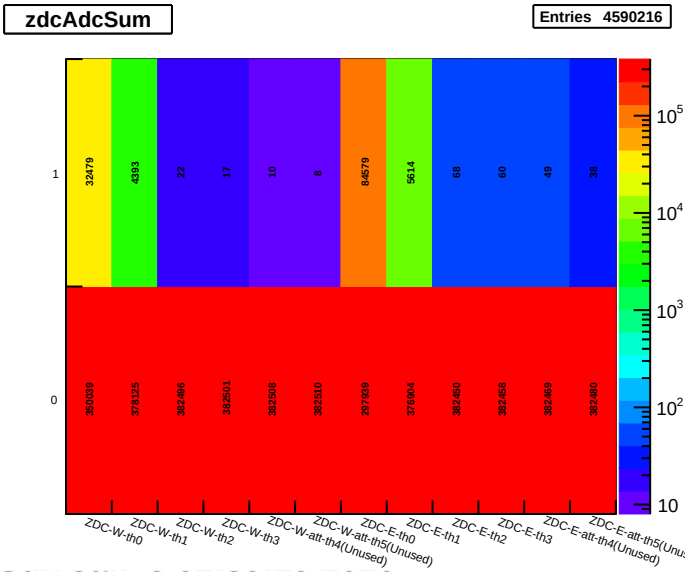

vpdWestTacMaxVsSimu
Entries 295345
Data
Simu

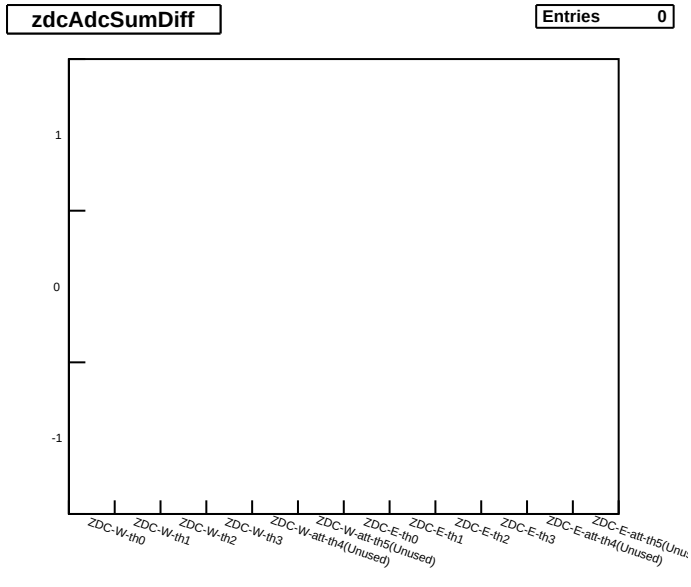

zdcEastTac
Entries 382518


zdcEastTacVsSimu
Entries 1059
Data
Simu


zdcWestTac
Entries 382518


zdcWestTacVsSimu
Entries 2292
Data
Simu


zdcAdcSum
Entries 4590216
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)
ZDC-E-att-th5(Unu


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
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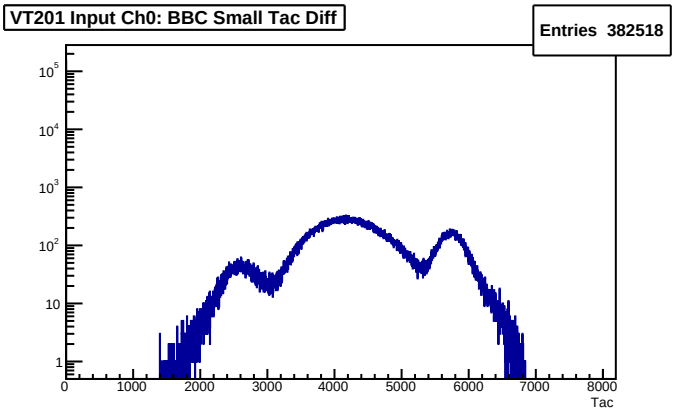
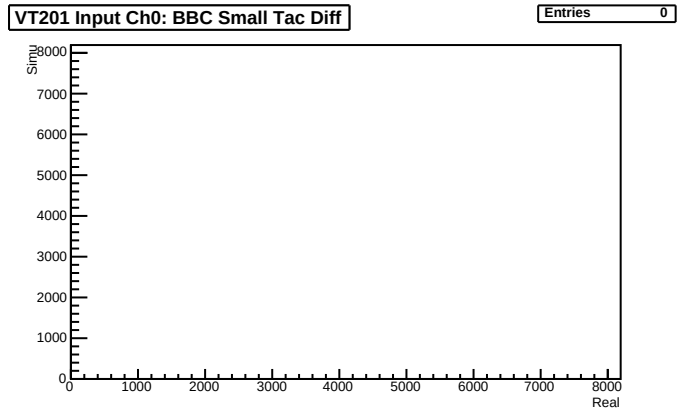
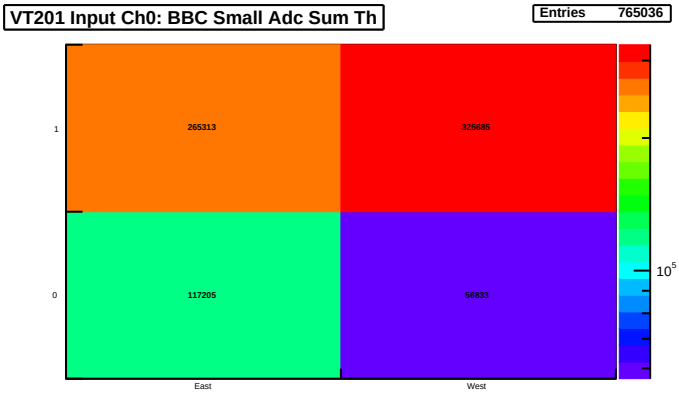
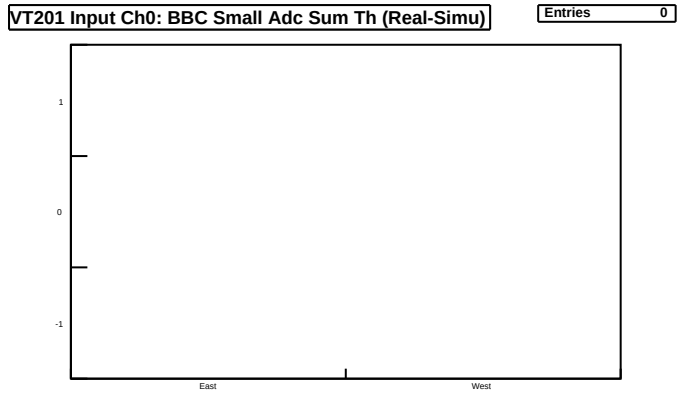
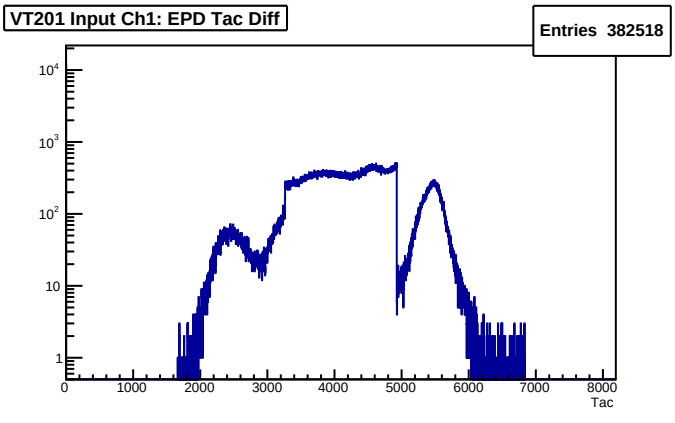
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

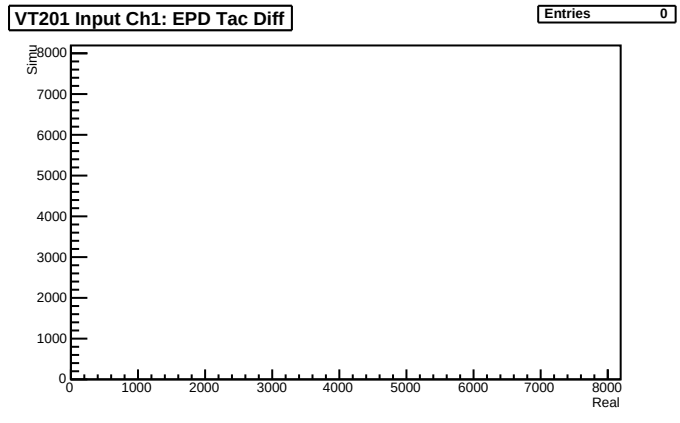

VT201 Input Ch0: BBC Small Tac Diff
Entries 382518
Tac

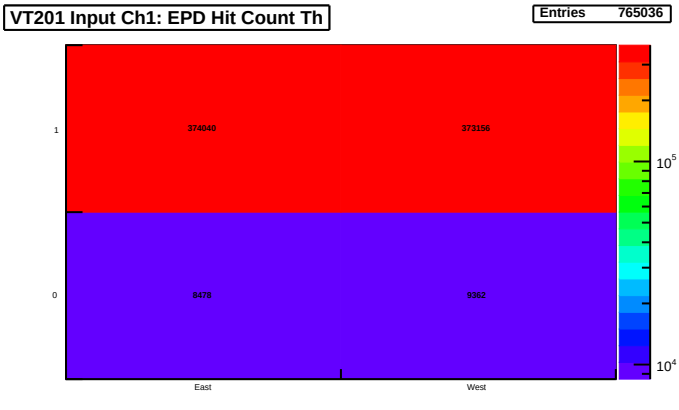

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

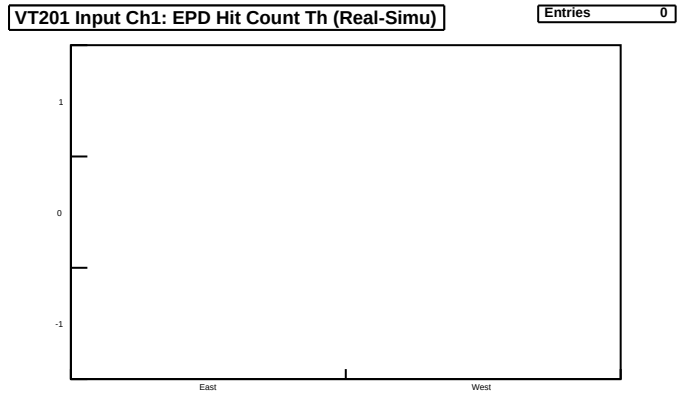

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 765036
265313
325685
117205
56833
East
West

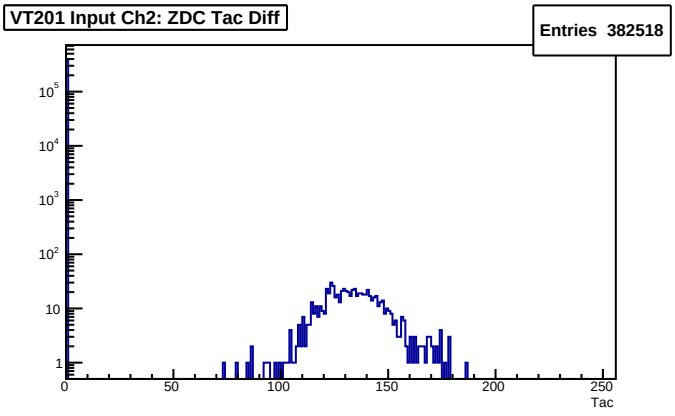

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

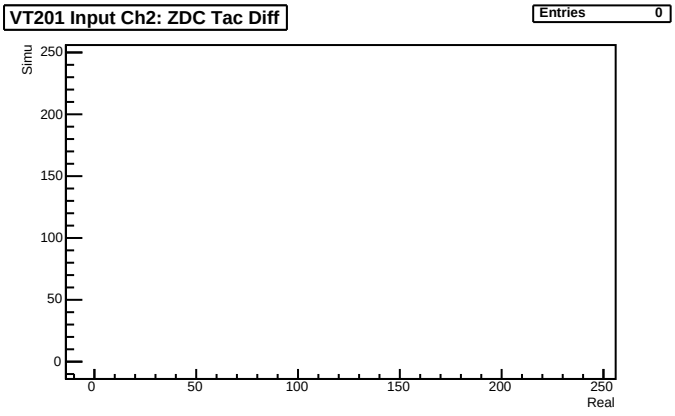

VT201 Input Ch1: EPD Tac Diff
Entries 382518
Tac

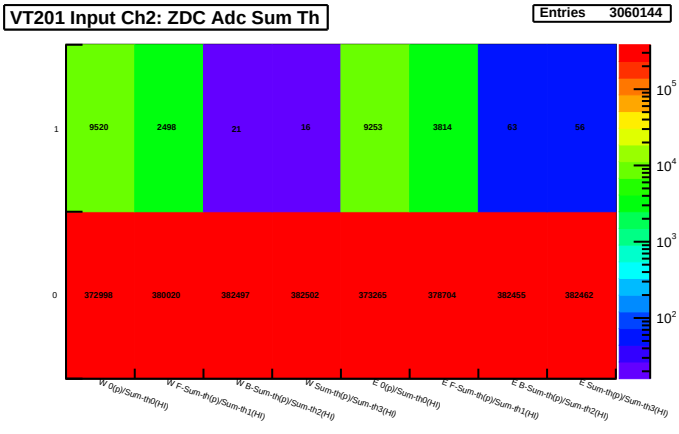

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

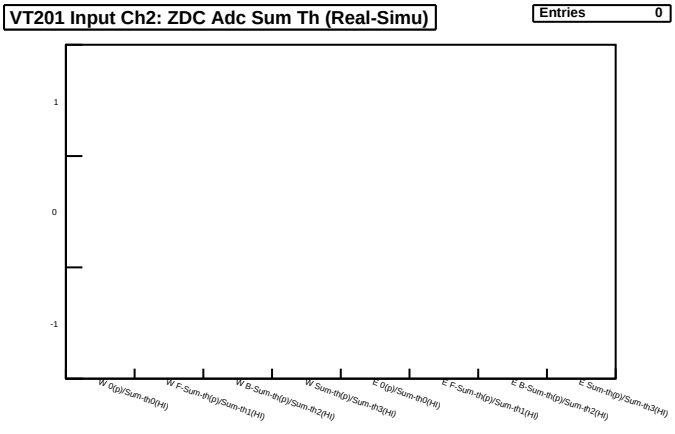

VT201 Input Ch1: EPD Hit Count Th
Entries 765036
374040
373156
8478
9362
East
West

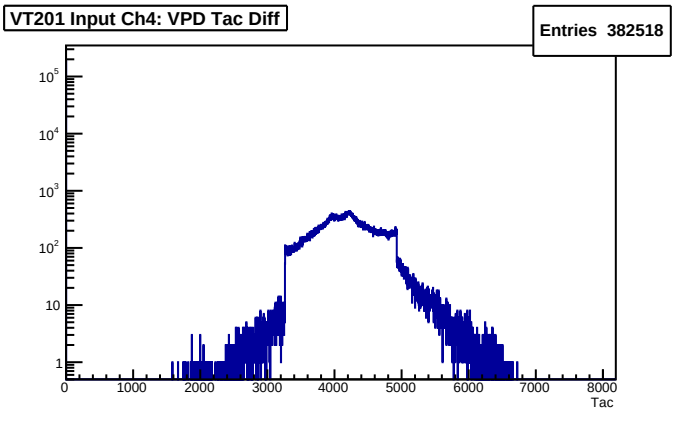

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

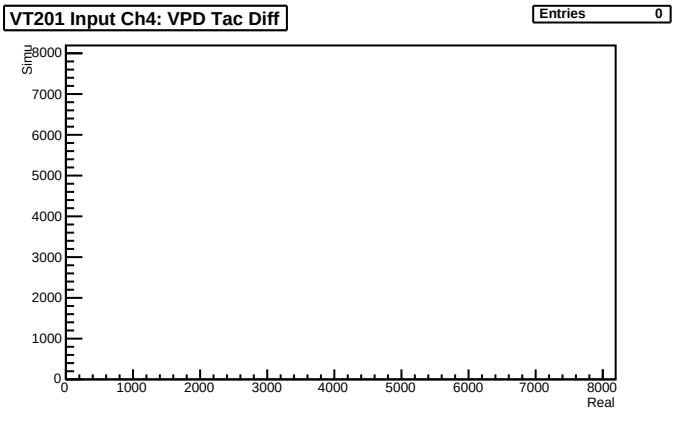

VT201 Input Ch2: ZDC Tac Diff
Entries 382518
Tac

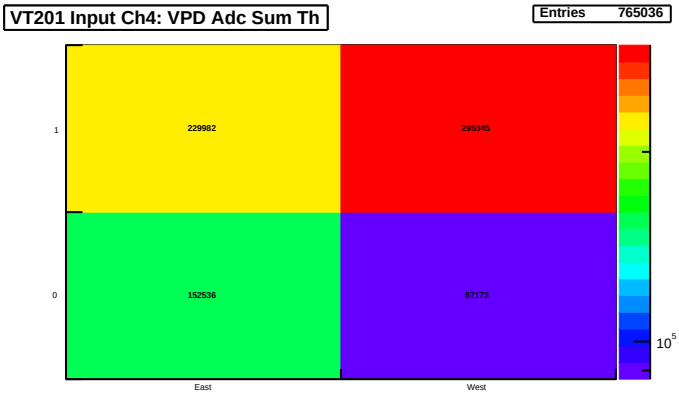

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

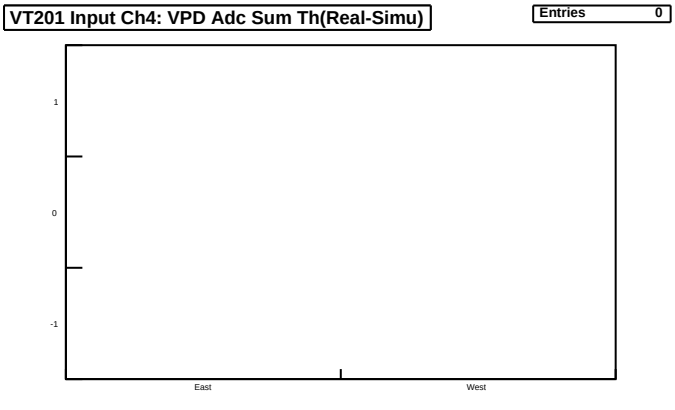

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3060144
9520
2498
21
16
9253
3814
63
56
372998
380020
382497
382502
373265
378704
382455
382462
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

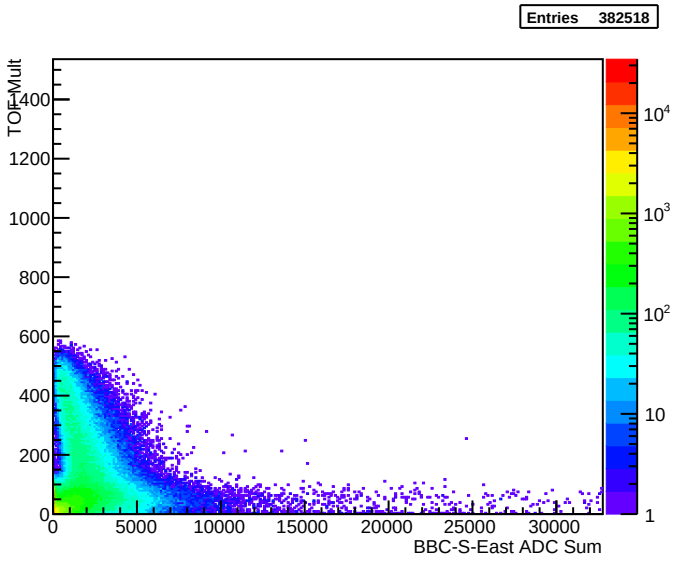

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

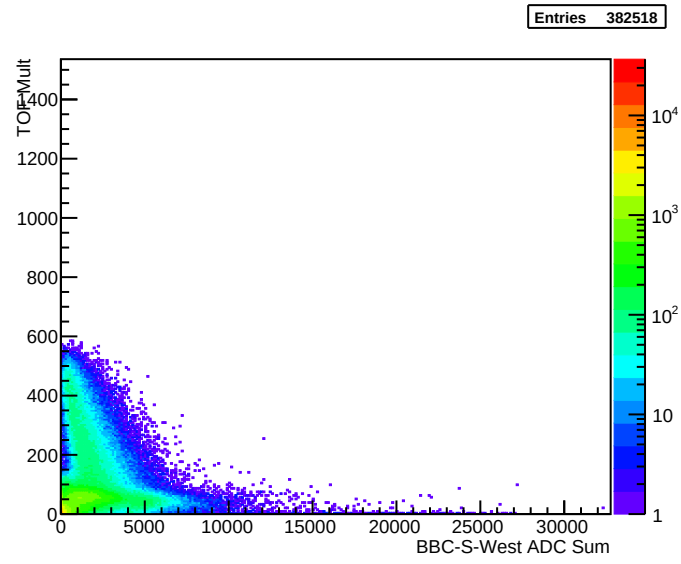

VT201 Input Ch4: VPD Tac Diff
Entries 382518
Tac

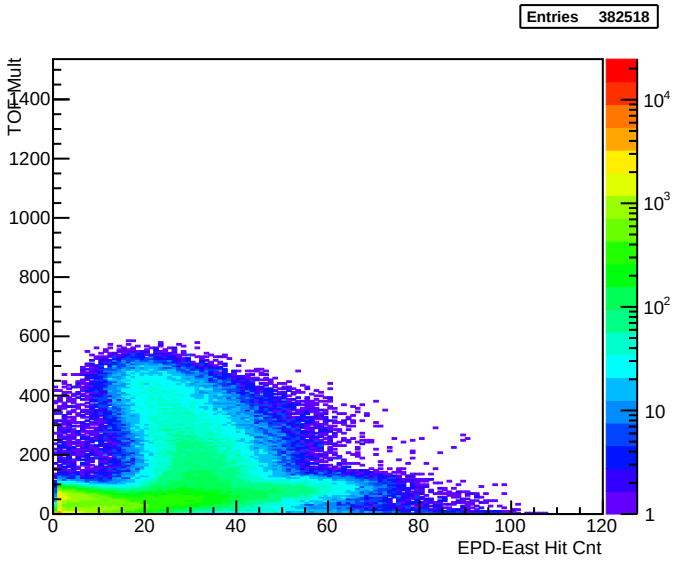

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

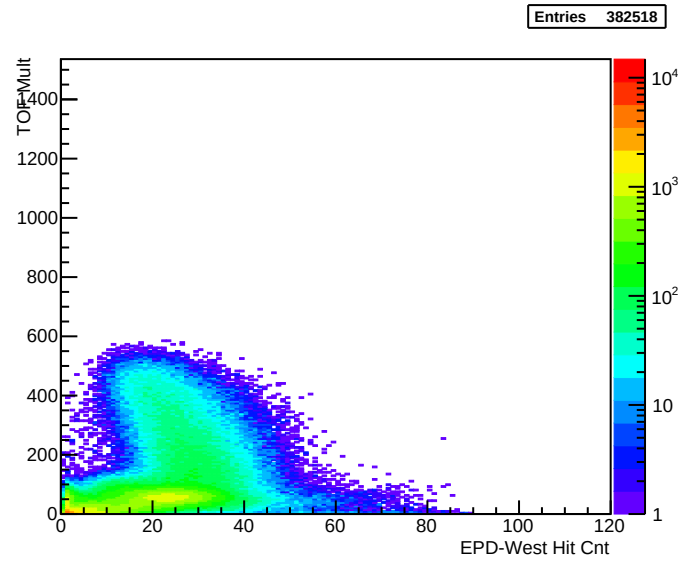

VT201 Input Ch4: VPD Adc Sum Th
Entries 765036
229982
295345
152536
87173
East
West

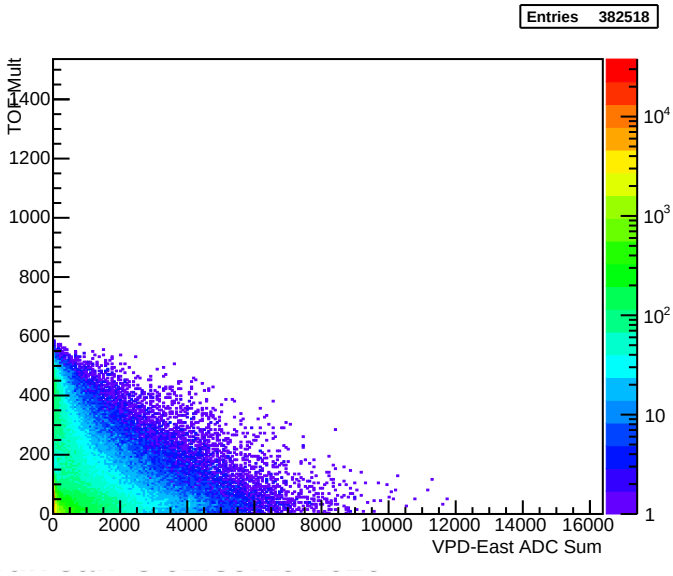

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

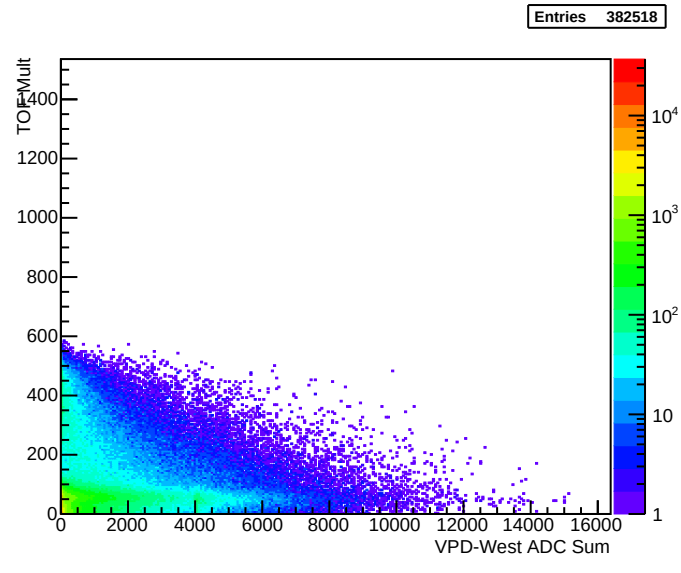

Entries 382518
TOF-Mult
BBC-S-East ADC Sum

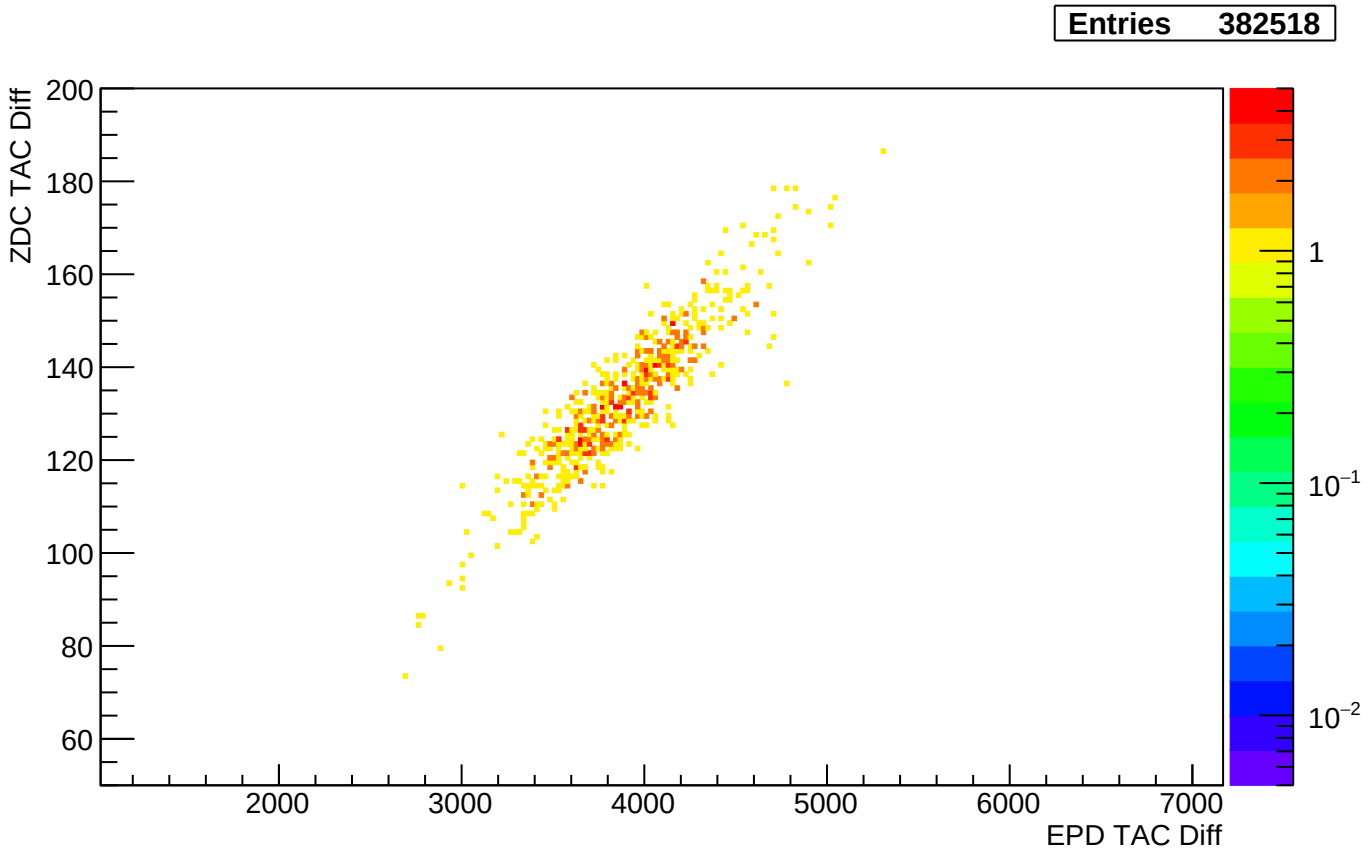

Entries 382518
TOF-Mult
BBC-S-West ADC Sum

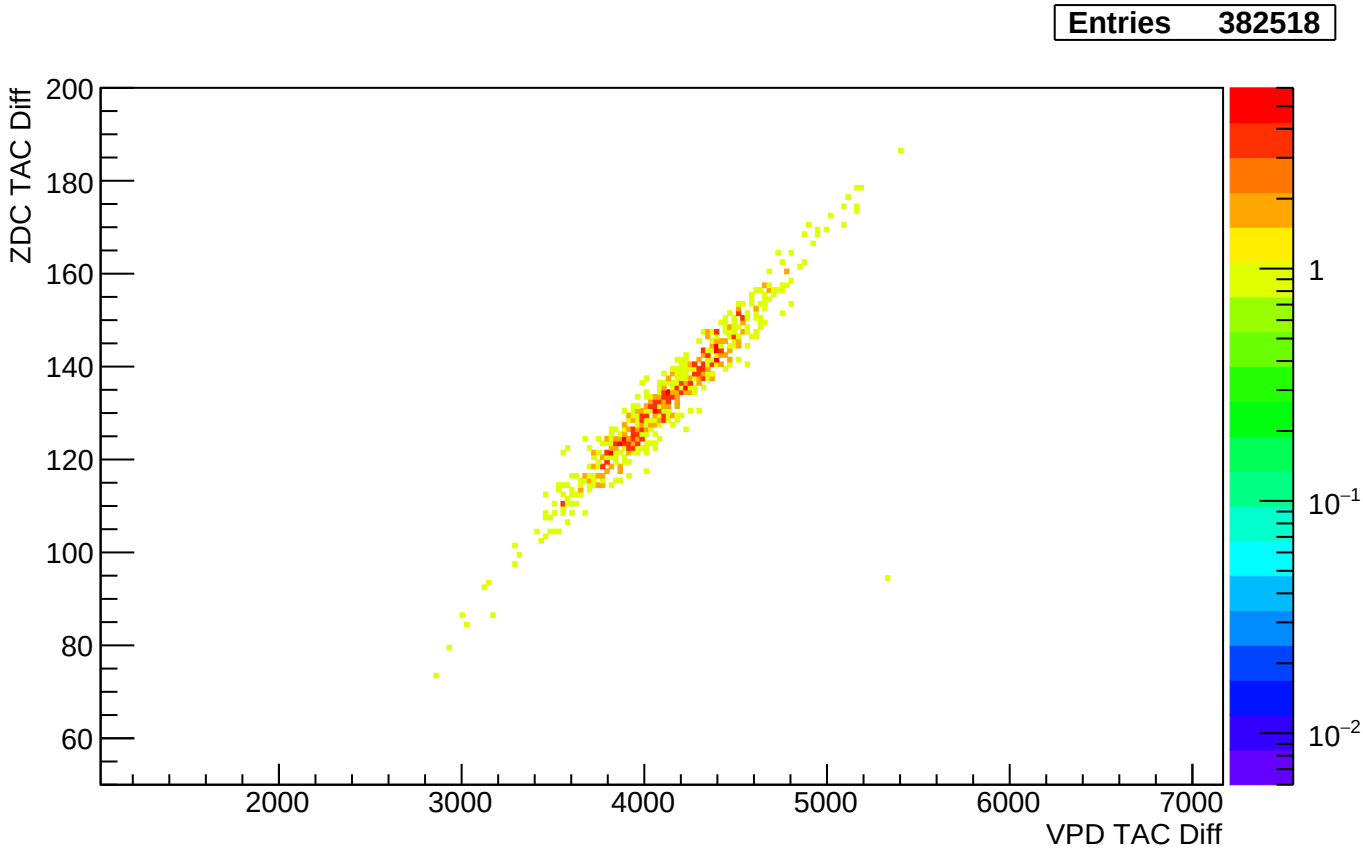

Entries 382518
TOF-Mult
EPD-East Hit Cnt

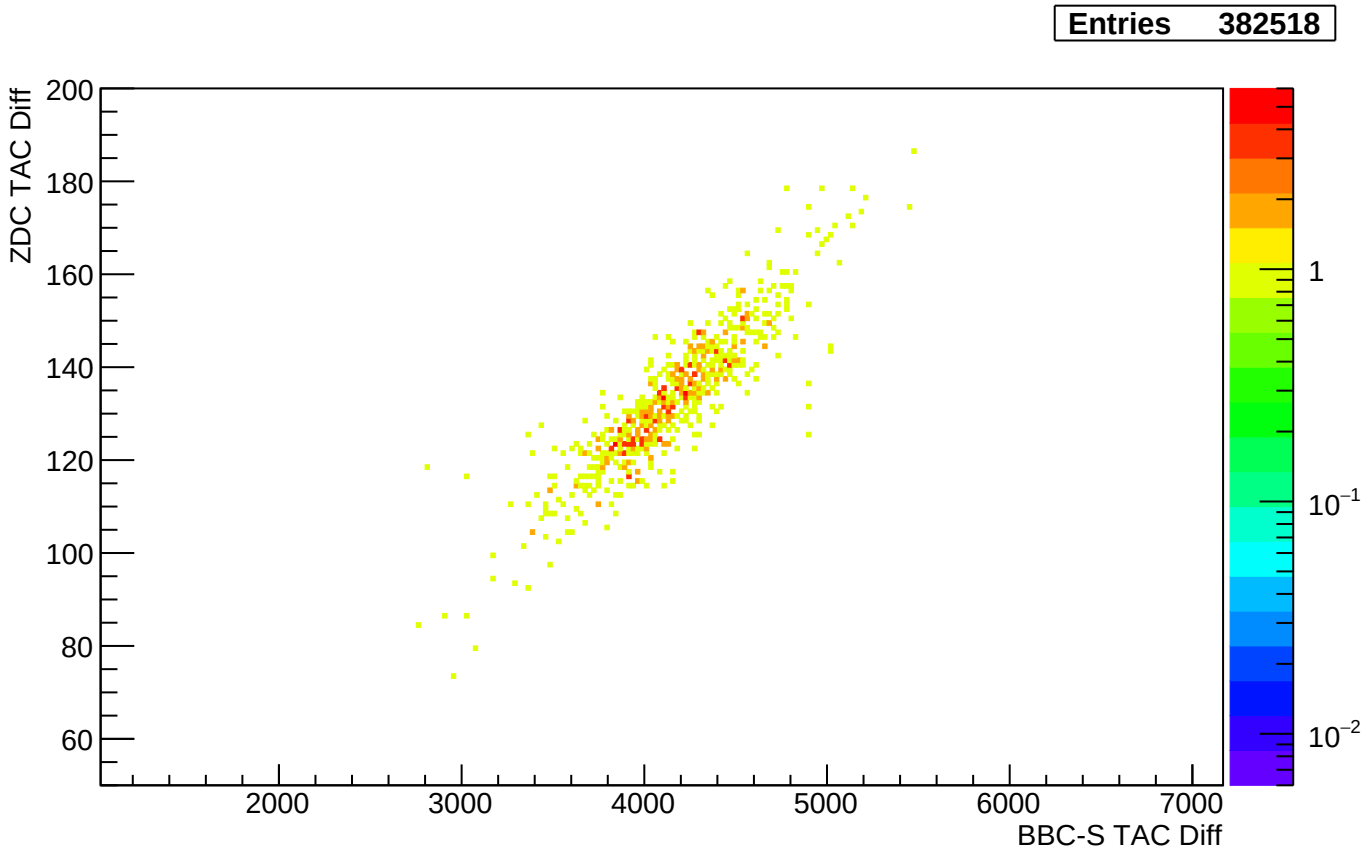

Entries 382518
TOF-Mult
EPD-West Hit Cnt

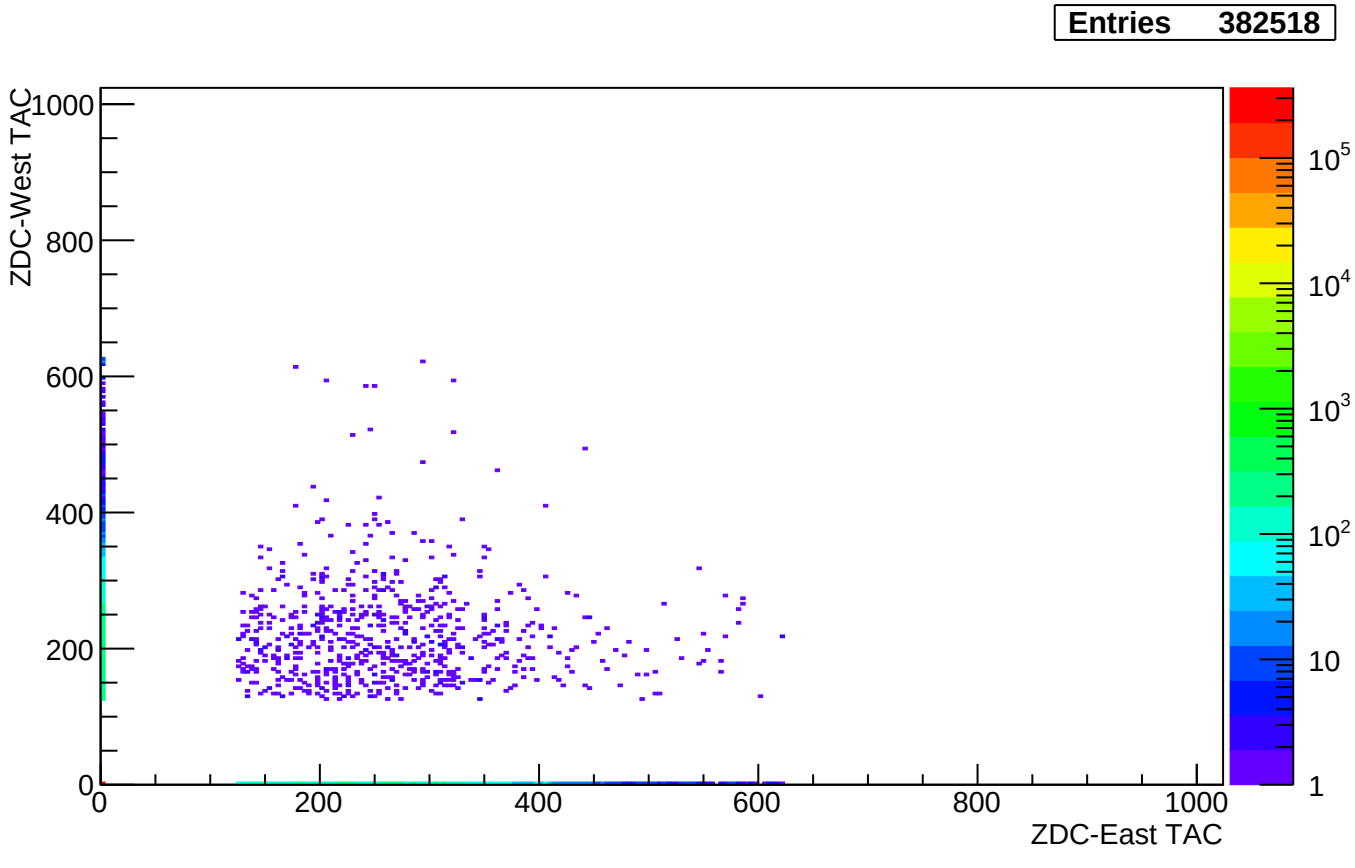

Entries 382518
TOF-Mult
VPD-East ADC Sum

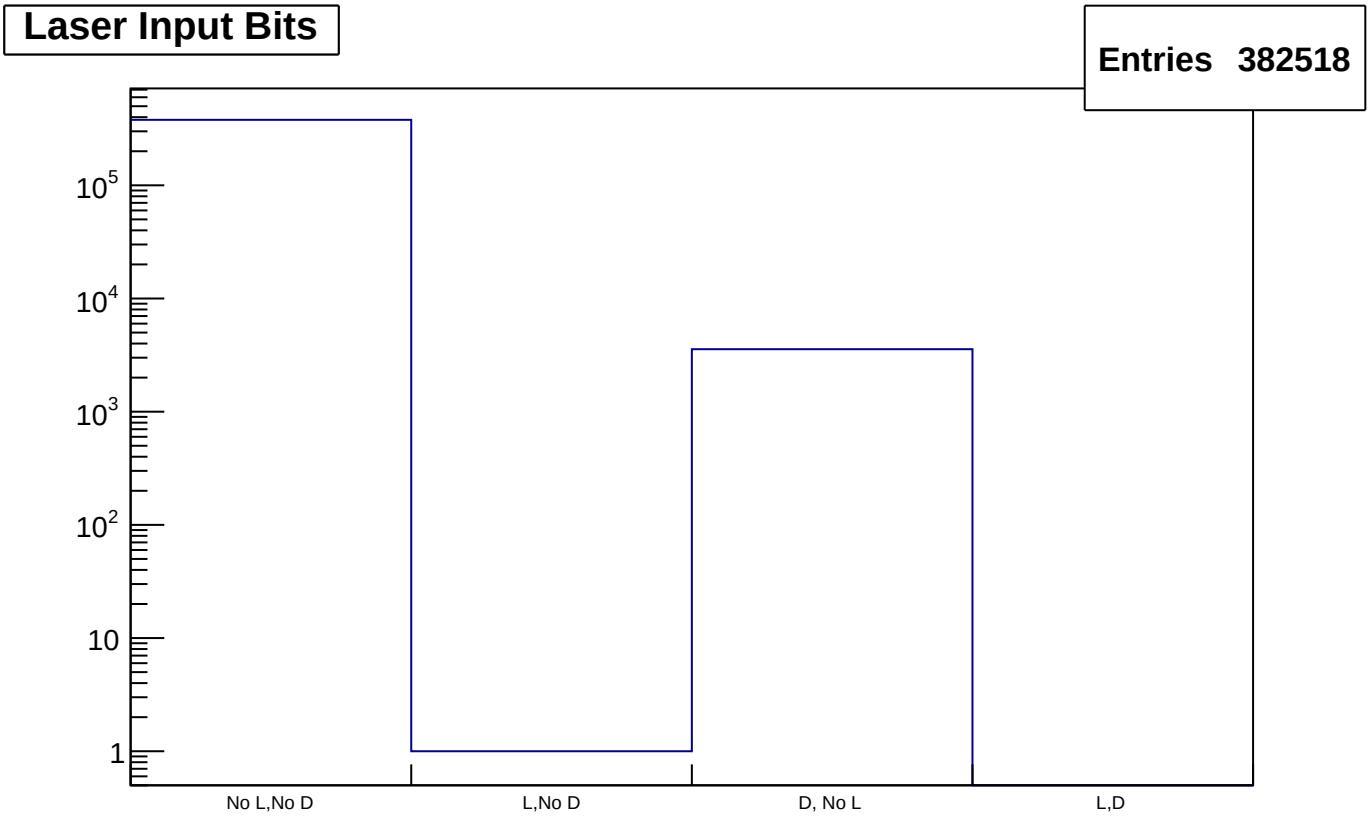

Entries 382518
TOF-Mult
VPD-West ADC Sum

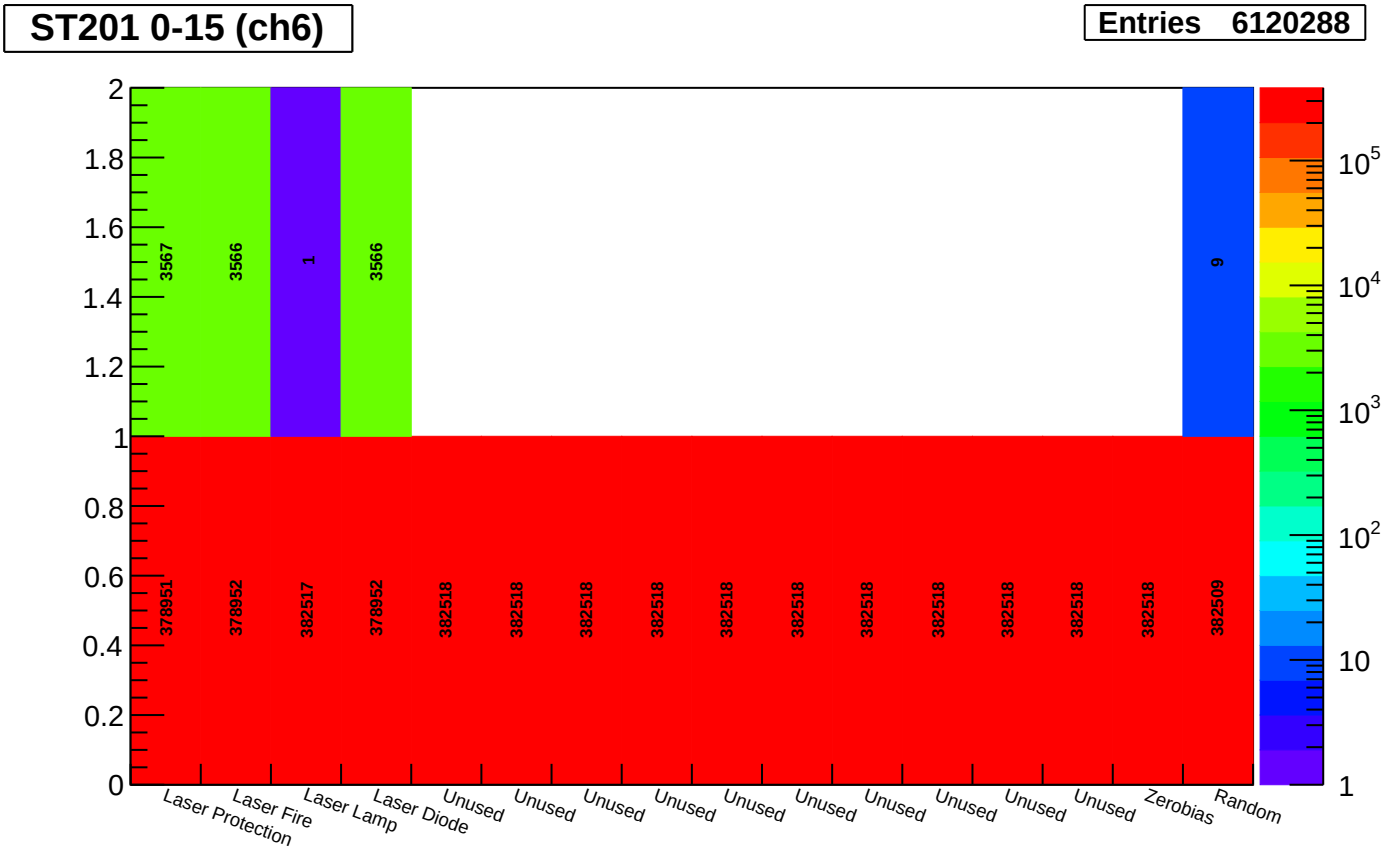

Entries 382518
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

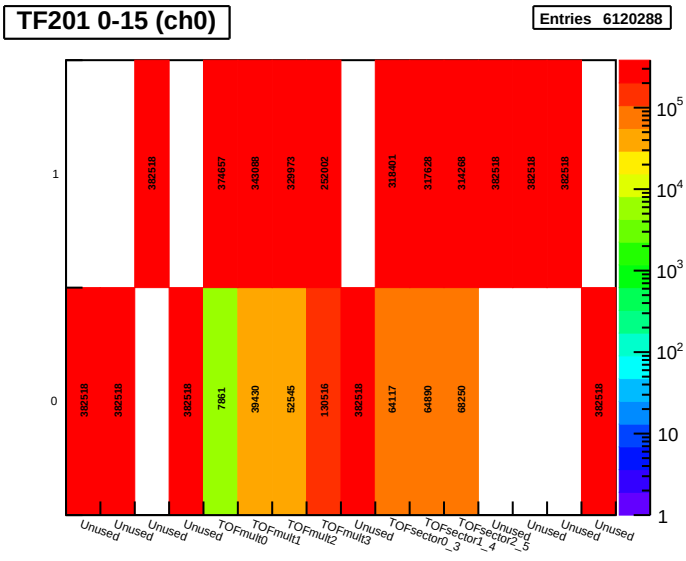

Entries 382518
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

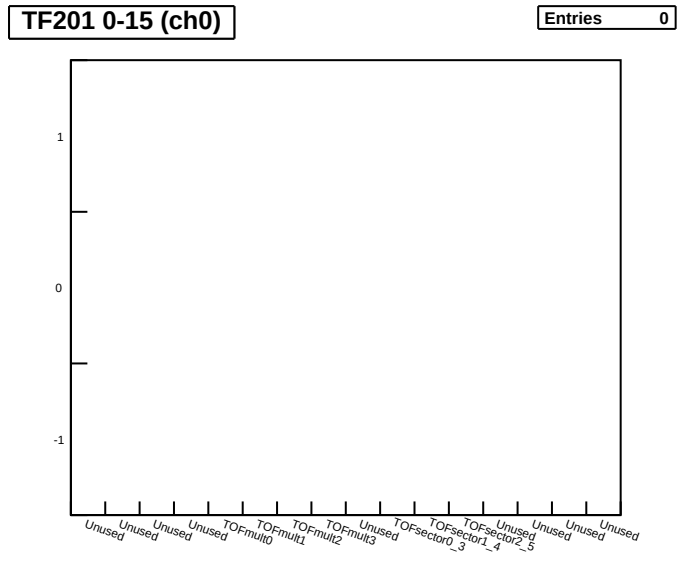

Entries 382518
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

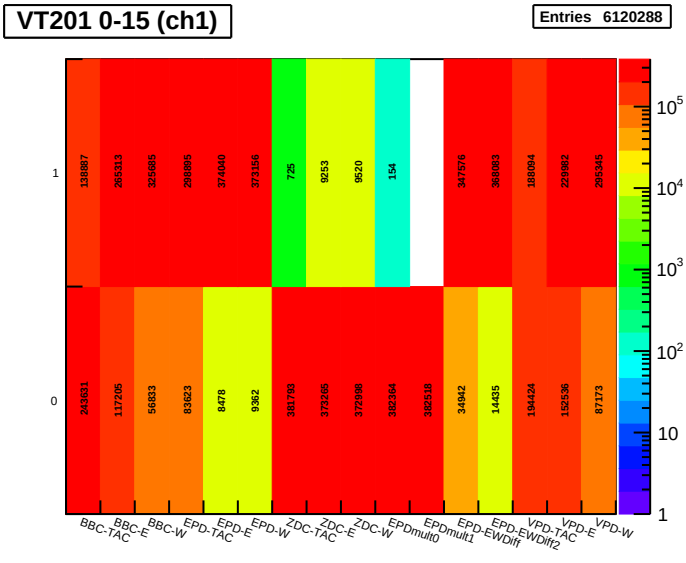

Entries 382518
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1

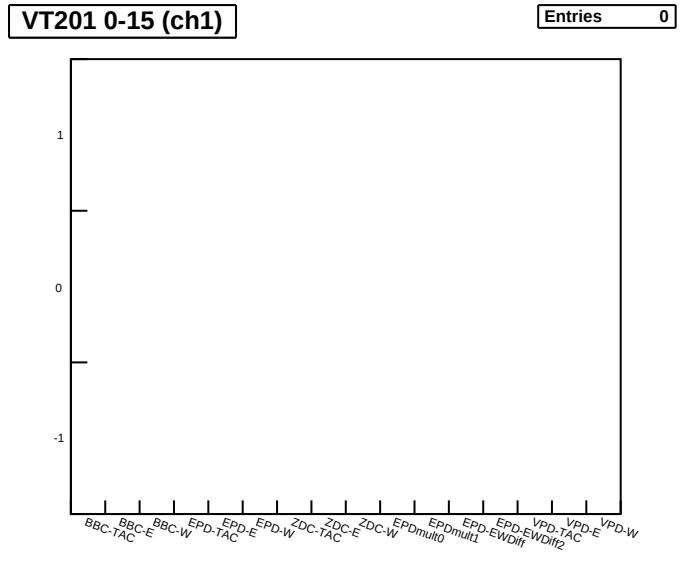

Laser Input Bits
Entries 382518
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

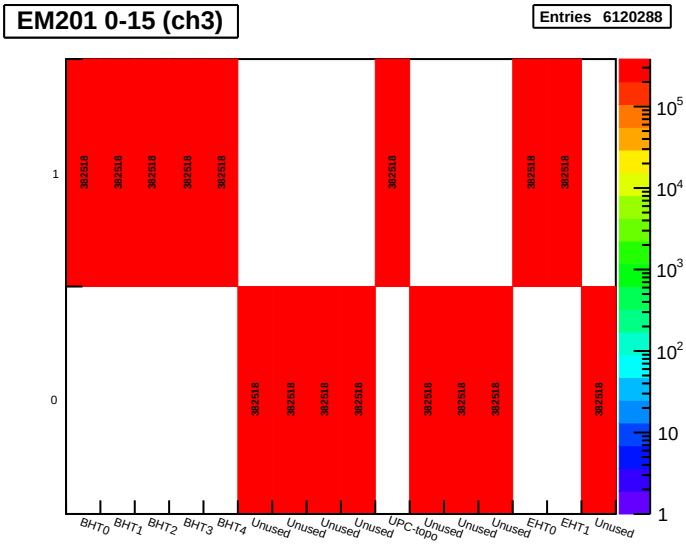

ST201 0-15 (ch6)
Entries 6120288
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3567
3566
1
3566
9
378951
378952
382517
378952
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382509
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

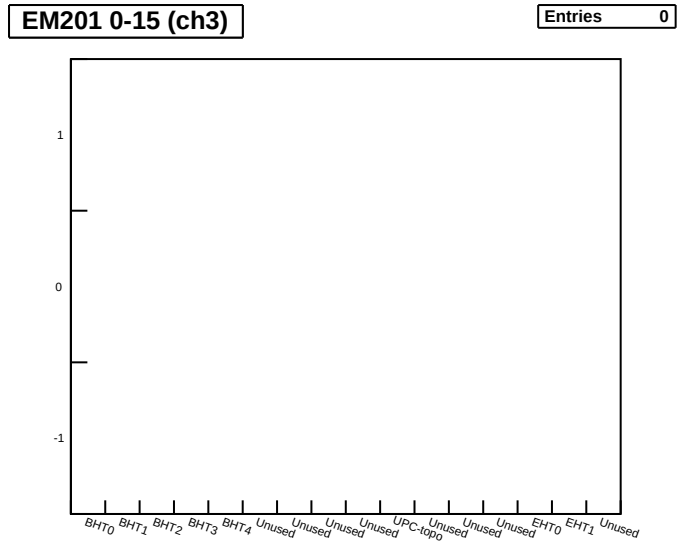

TF201 0-15 (ch0)
Entries 6120288
1
0
382518
374657
343088
329973
292002
318401
317628
314268
382518
382518
382518
382518
382518
382518
382518
7861
39430
52545
130516
382518
64117
64890
68290
382518
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 6120288
1
0
138887
265313
325685
298895
374040
373156
725
9253
9520
154
347576
368083
188094
229982
295345
243631
117205
56833
83623
8478
9362
381793
373265
372998
382364
382518
34942
14435
194424
152536
87173
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 6120288
1
0
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
382518
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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