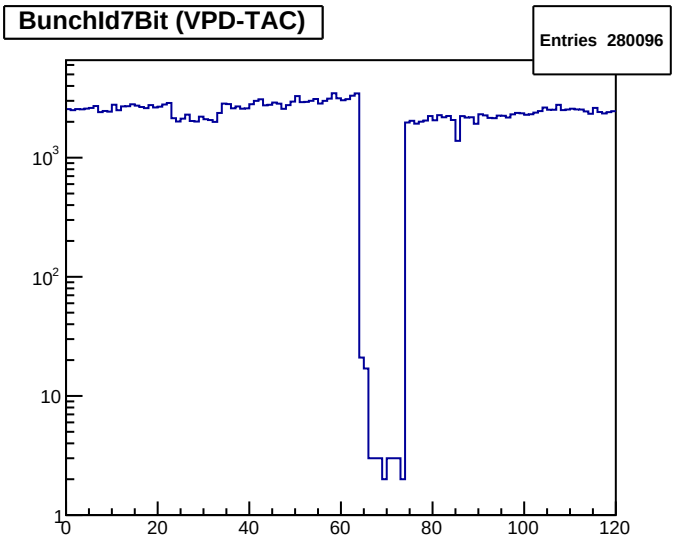
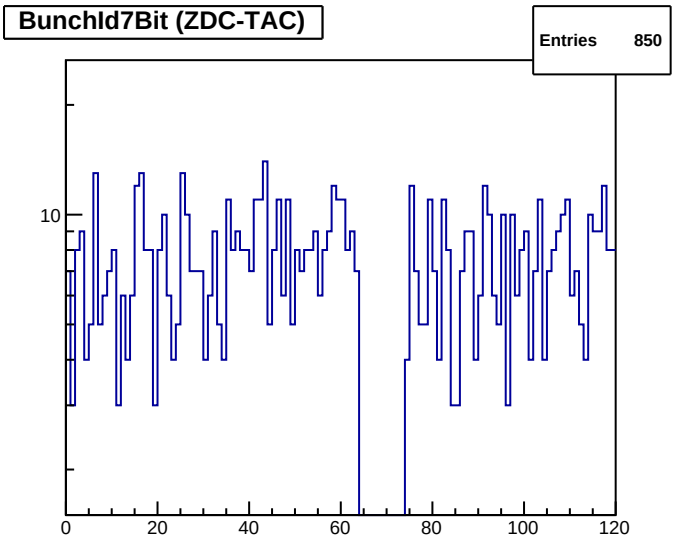
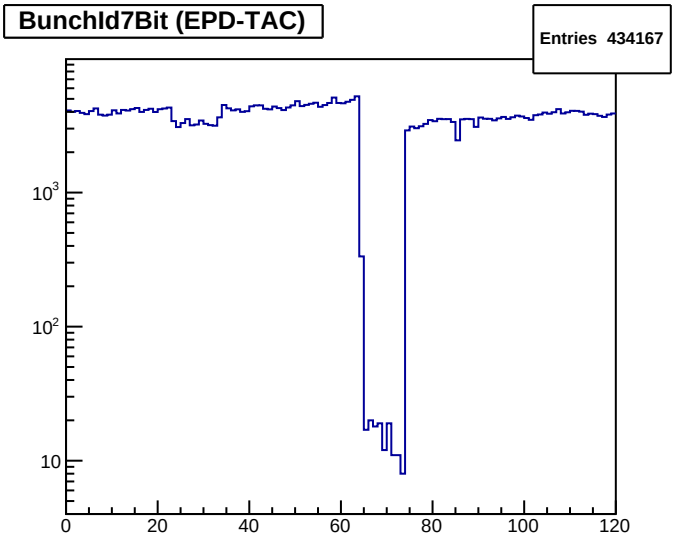
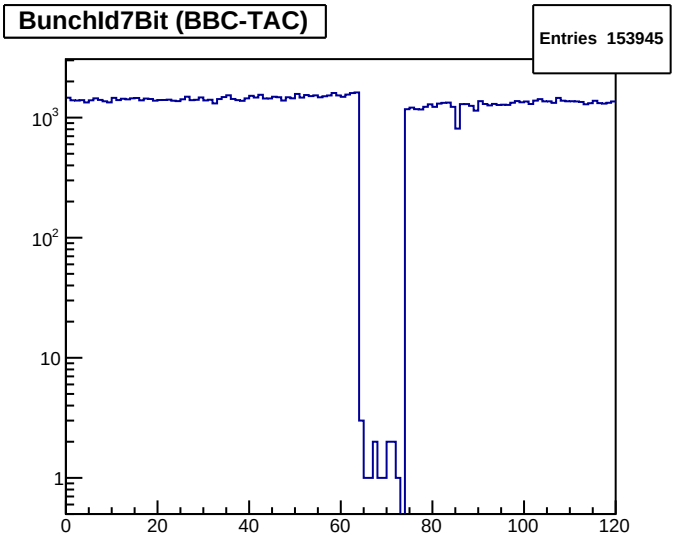
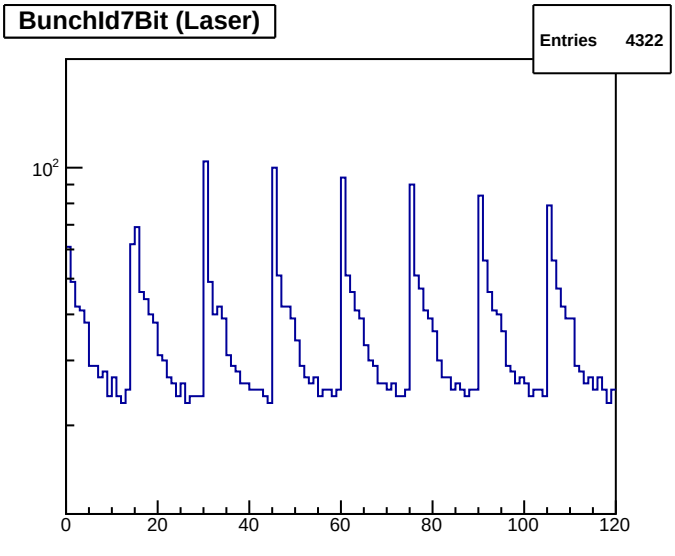
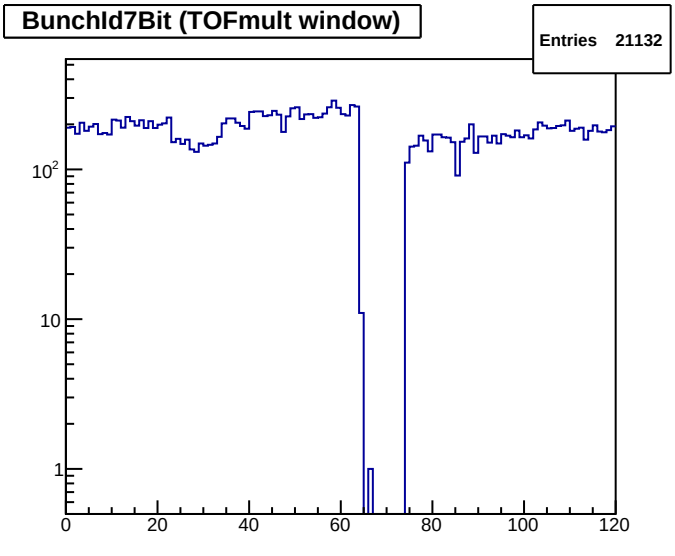

BunchId7Bit (VPD-TAC)
Entries 280096
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

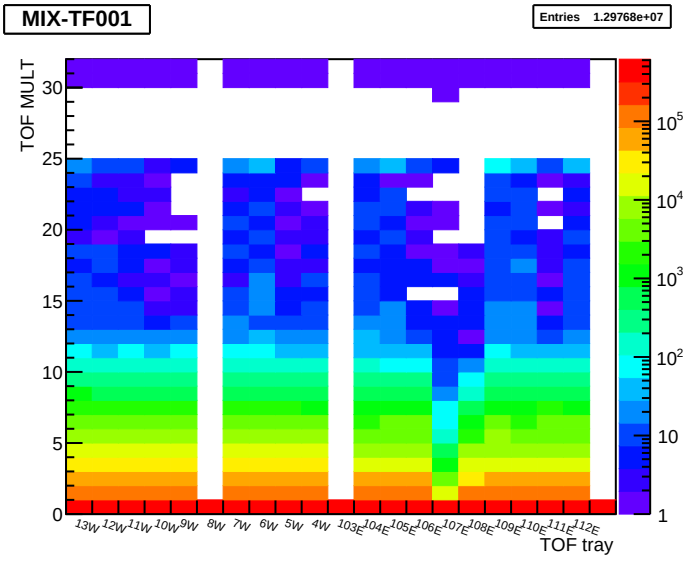

BunchId7Bit (ZDC-TAC)
Entries 850
10
0
20
40
60
80
100
120

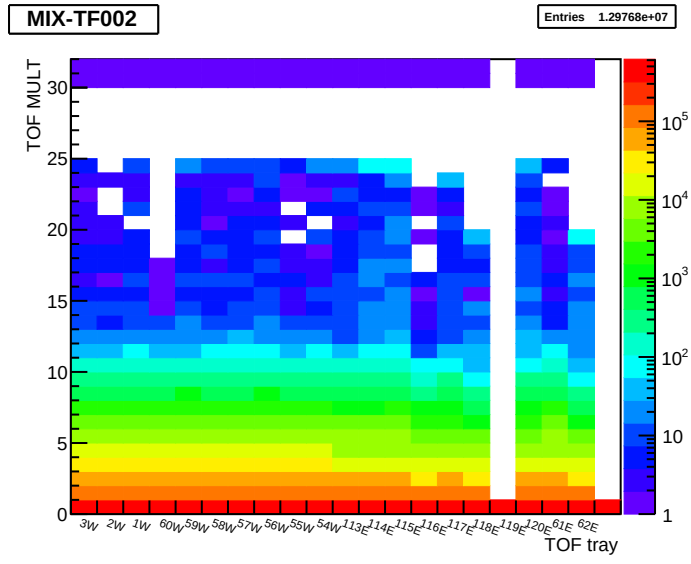

BunchId7Bit (EPD-TAC)
Entries 434167
$10^3$
$10^2$
10
0
20
40
60
80
100
120

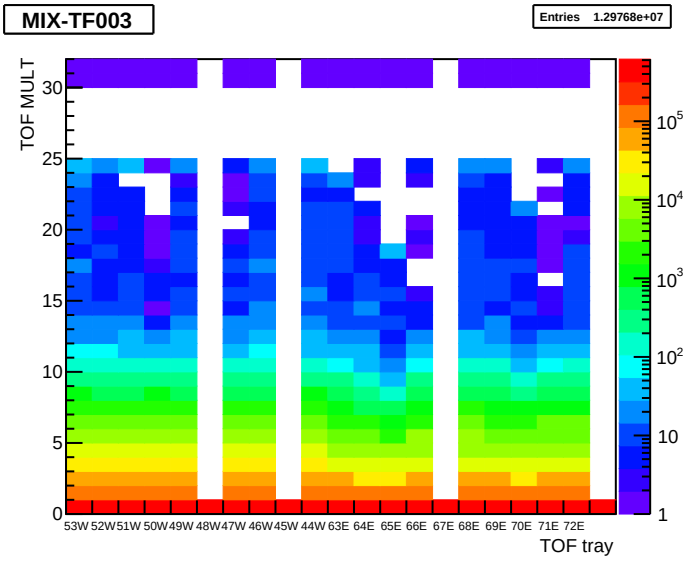

BunchId7Bit (BBC-TAC)
Entries 153945
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

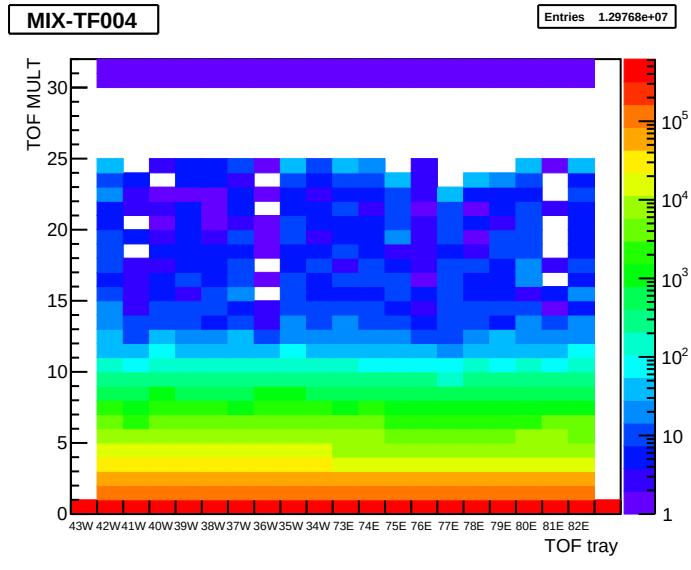

BunchId7Bit (Laser)
Entries 4322
$10^2$
0
20
40
60
80
100
120

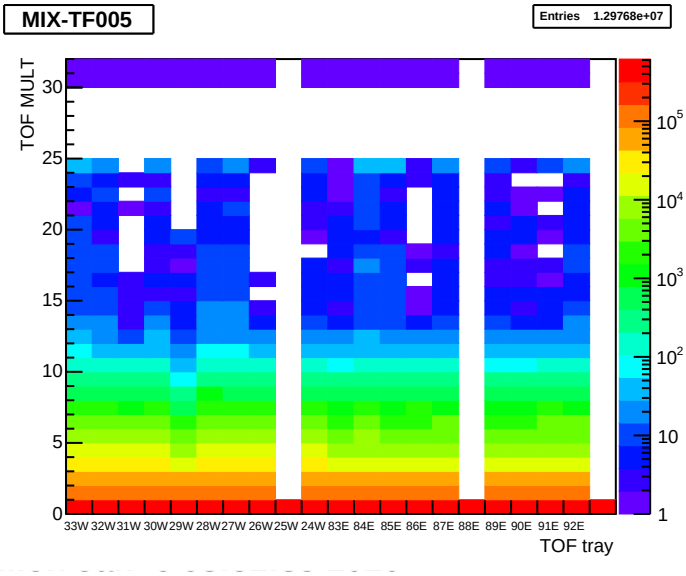

BunchId7Bit (TOFmult window)
Entries 21132
$10^2$
10
1
0
20
40
60
80
100
120

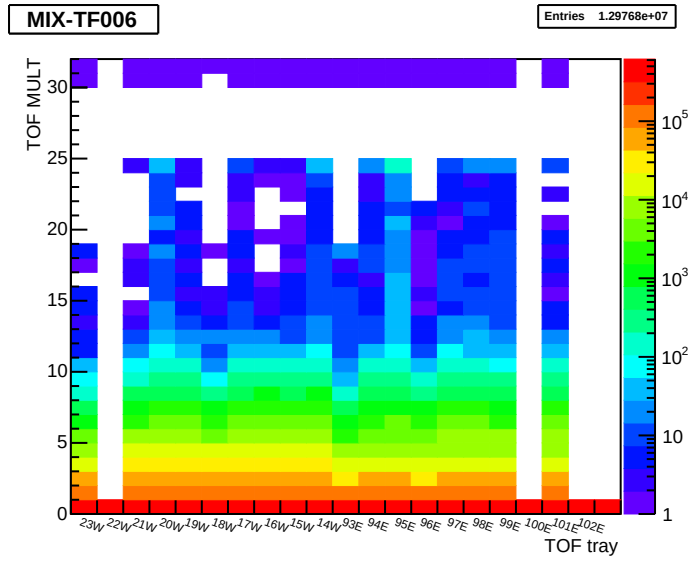

MIX-TF001
Entries 1.29768e+07
TOF MULT
TOF tray

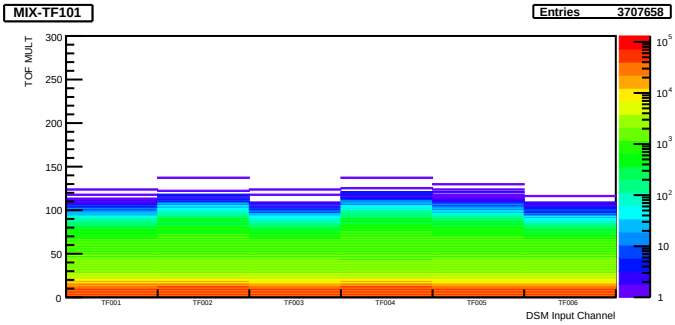

MIX-TF002
Entries 1.29768e+07
TOF MULT
TOF tray

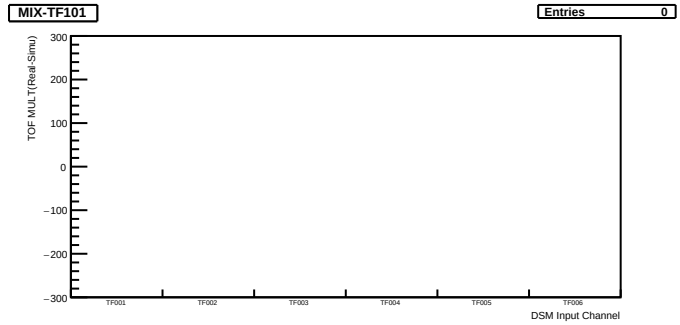

MIX-TF003
Entries 1.29768e+07
TOF MULT
TOF tray

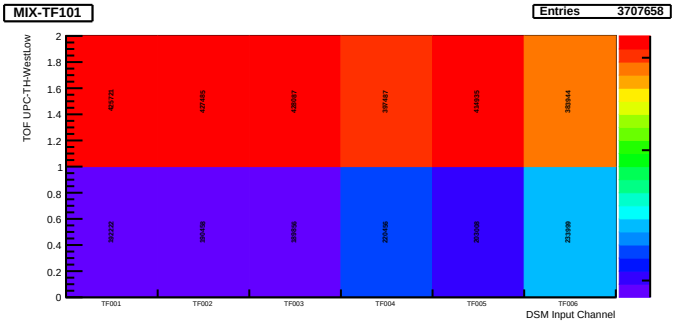

MIX-TF004
Entries 1.29768e+07
TOF MULT
TOF tray

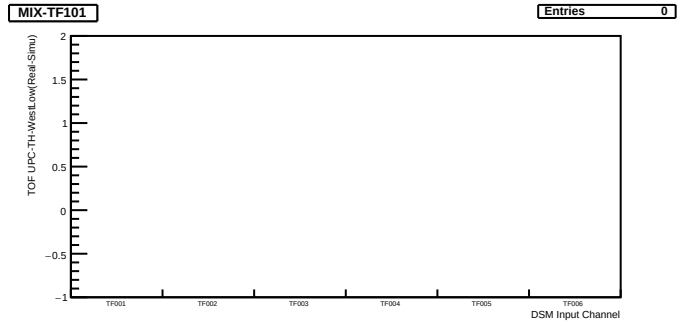

MIX-TF005
Entries 1.29768e+07
TOF MULT
TOF tray

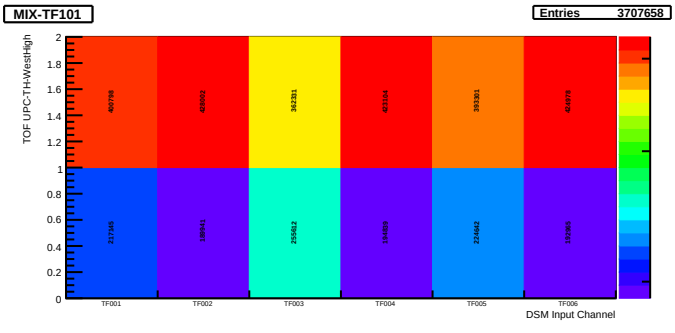

MIX-TF006
Entries 1.29768e+07
TOF MULT
TOF tray

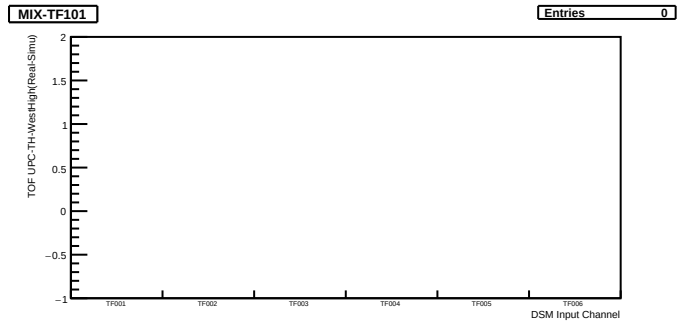

MIX-TF101
Entries 3707658
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

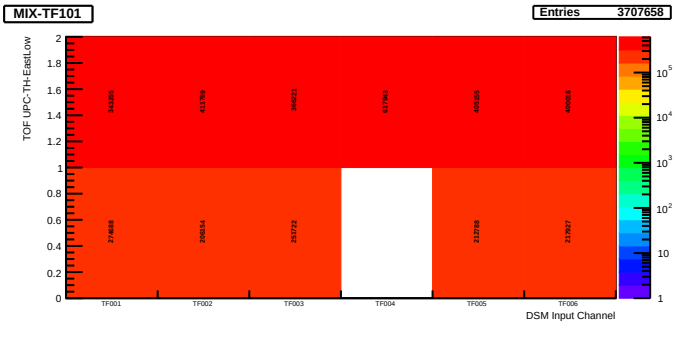

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

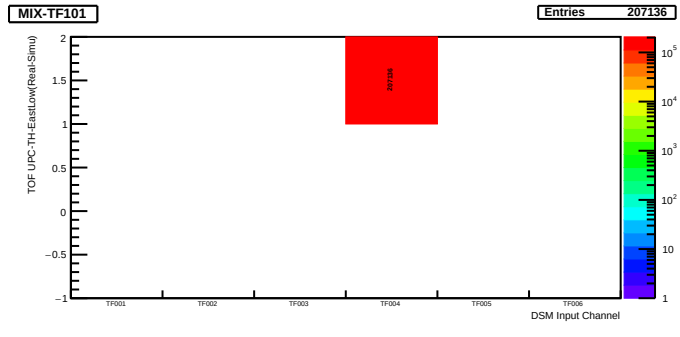

MIX-TF101
Entries 3707658
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

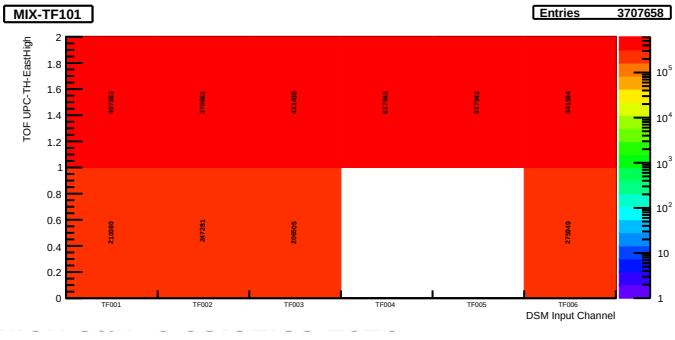

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

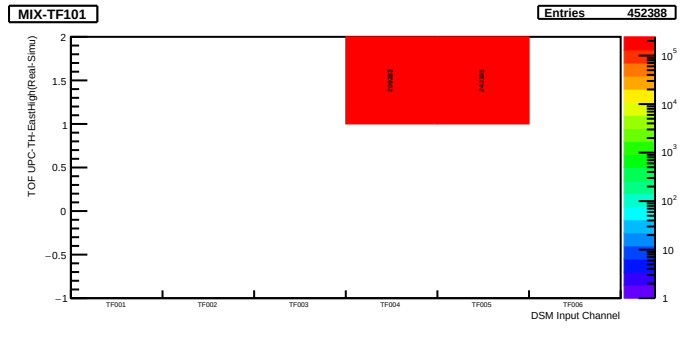

MIX-TF101
Entries 3707658
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

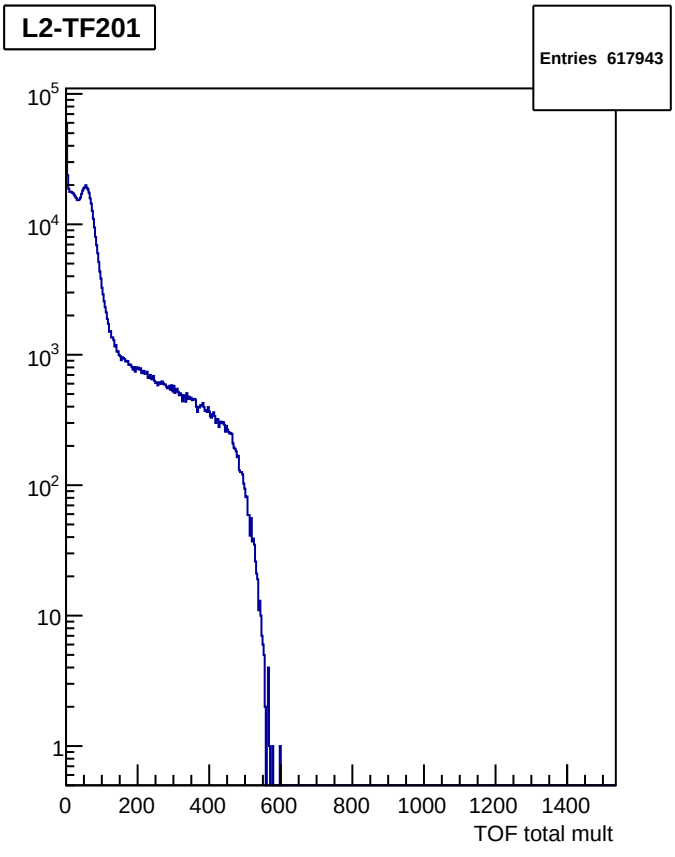

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

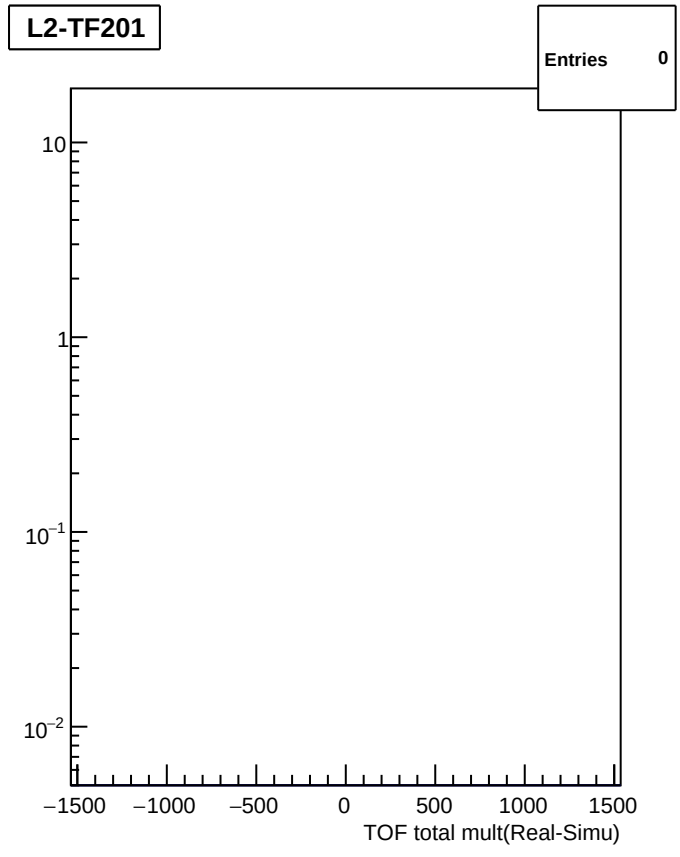

MIX-TF101
Entries 3707658
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

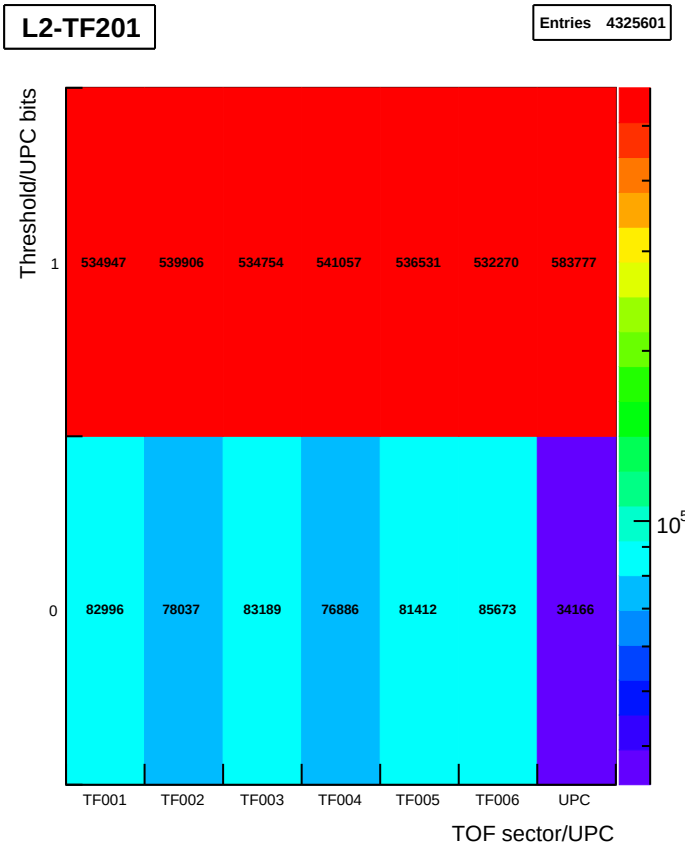

MIX-TF101
Entries 207136
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

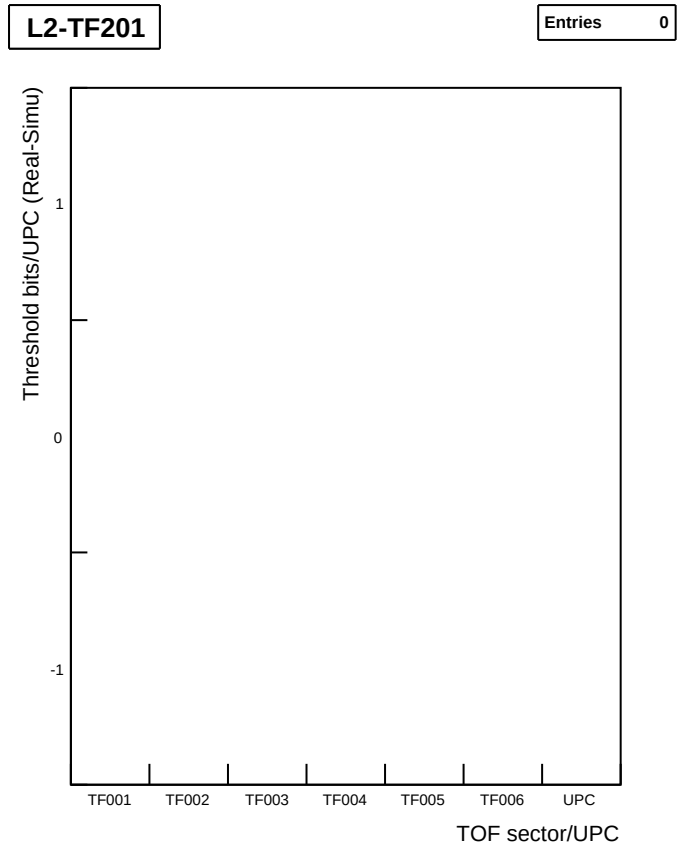

MIX-TF101
Entries 3707658
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

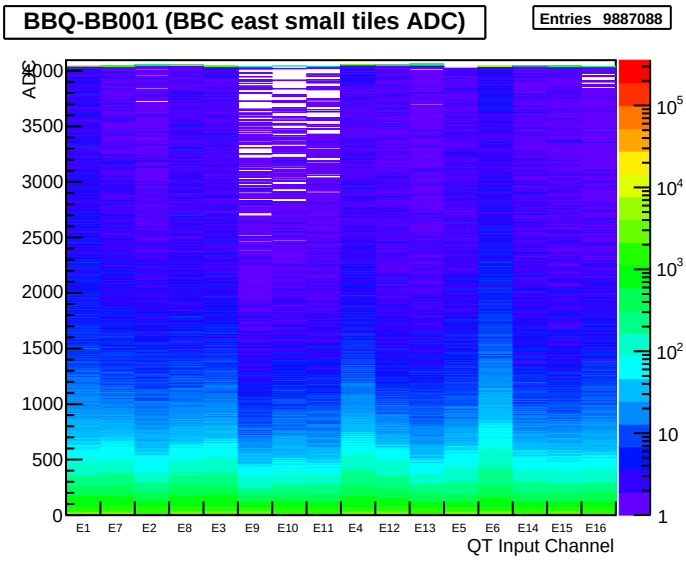

MIX-TF101
Entries 452388
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

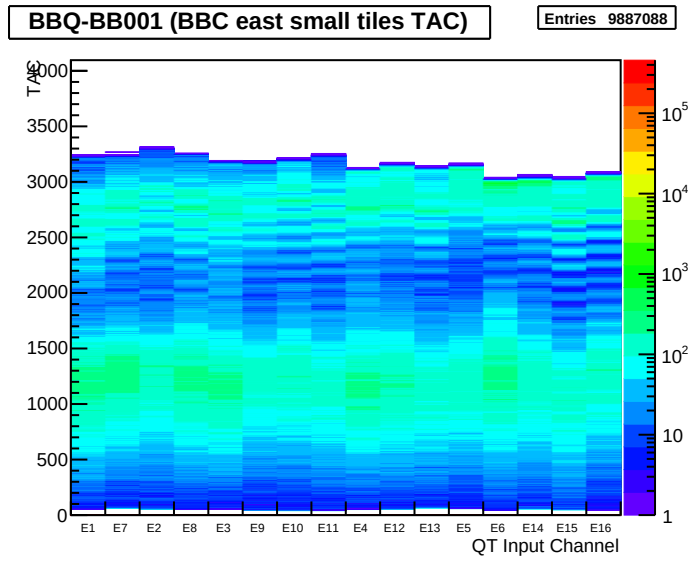

L2-TF201
Entries 617943
TOF total mult

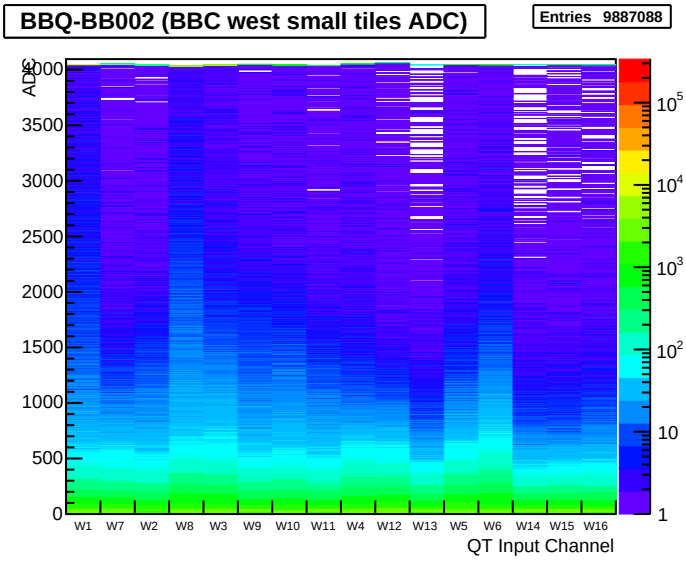

L2-TF201
Entries 0
TOF total mult(Real-Simu)

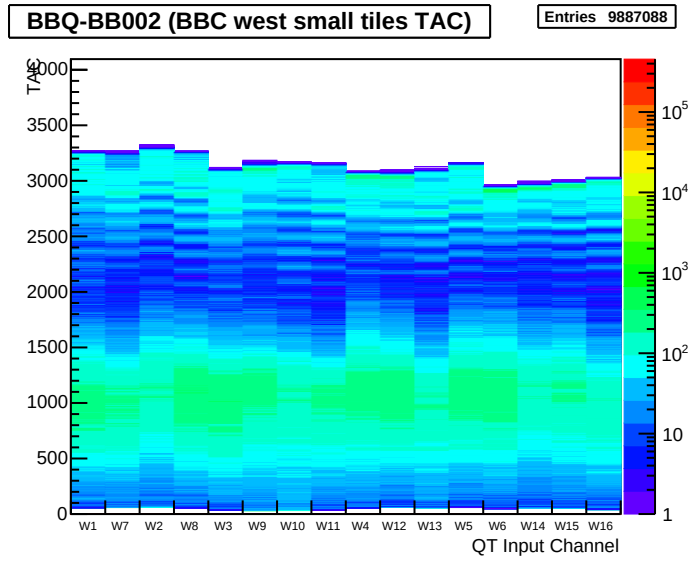

L2-TF201
Entries 4325601
Threshold/UPC bits
534947
539906
534754
541057
536531
532270
583777
82996
78037
83189
76886
81412
85673
34166
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

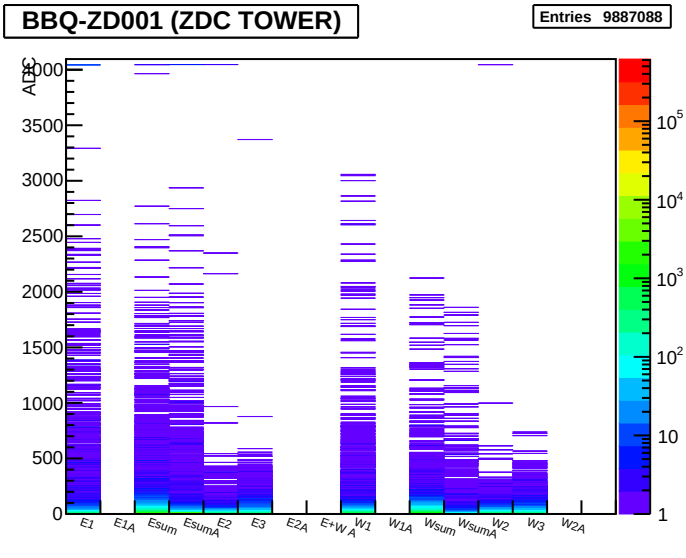

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

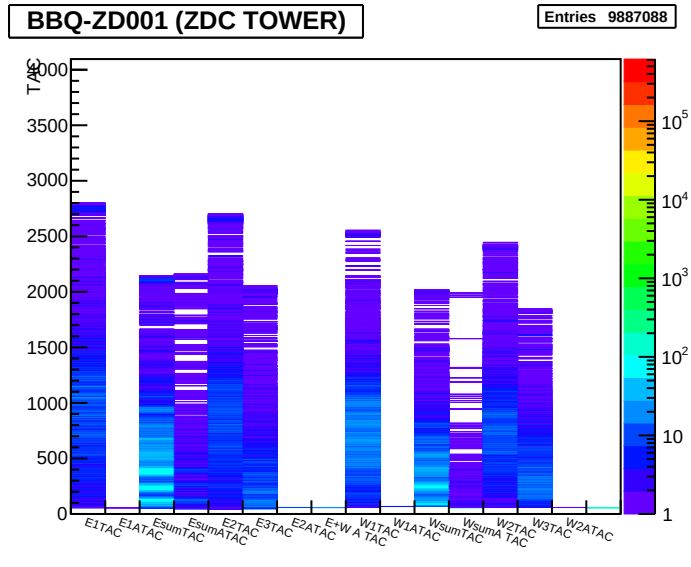

BBQ-BB001 (BBC east small tiles ADC)
Entries 9887088
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

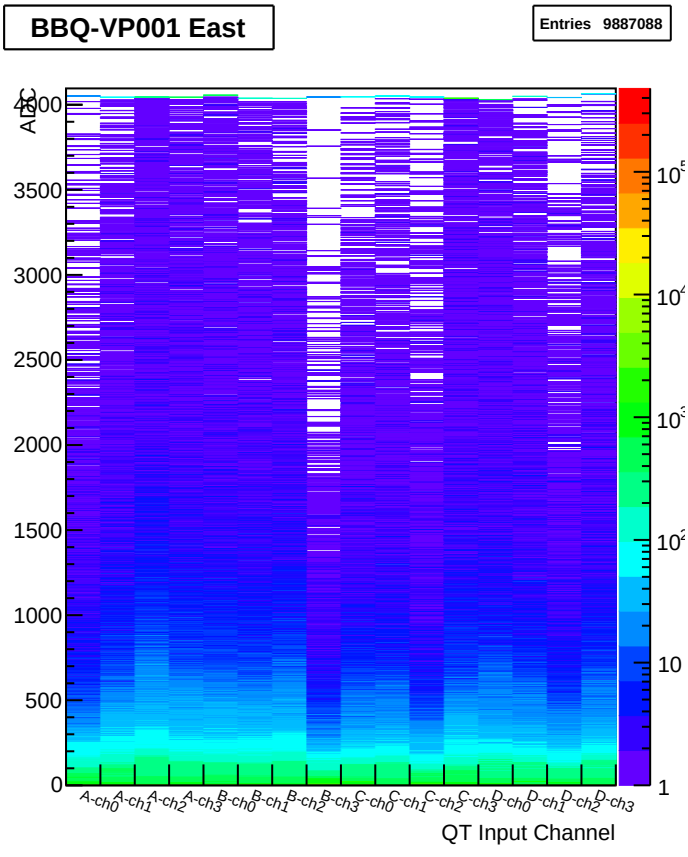

BBQ-BB001 (BBC east small tiles TAC)
Entries 9887088
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

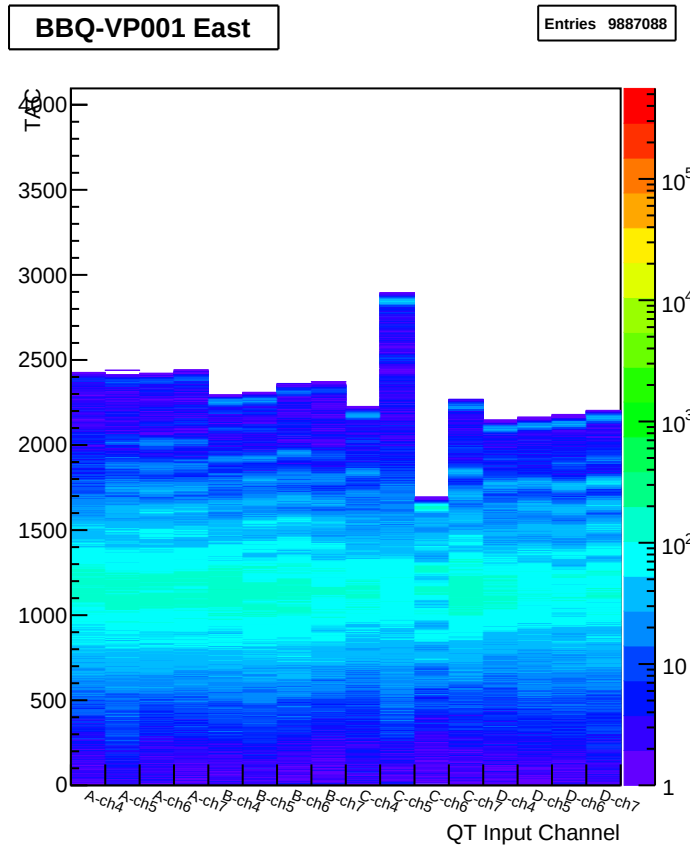

BBQ-BB002 (BBC west small tiles ADC)
Entries 9887088
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

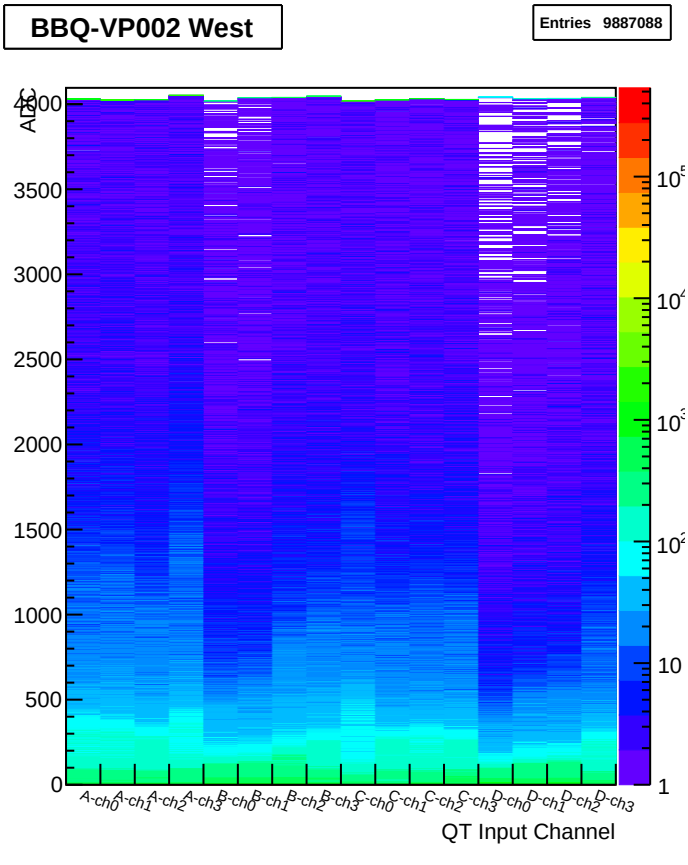

BBQ-BB002 (BBC west small tiles TAC)
Entries 9887088
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

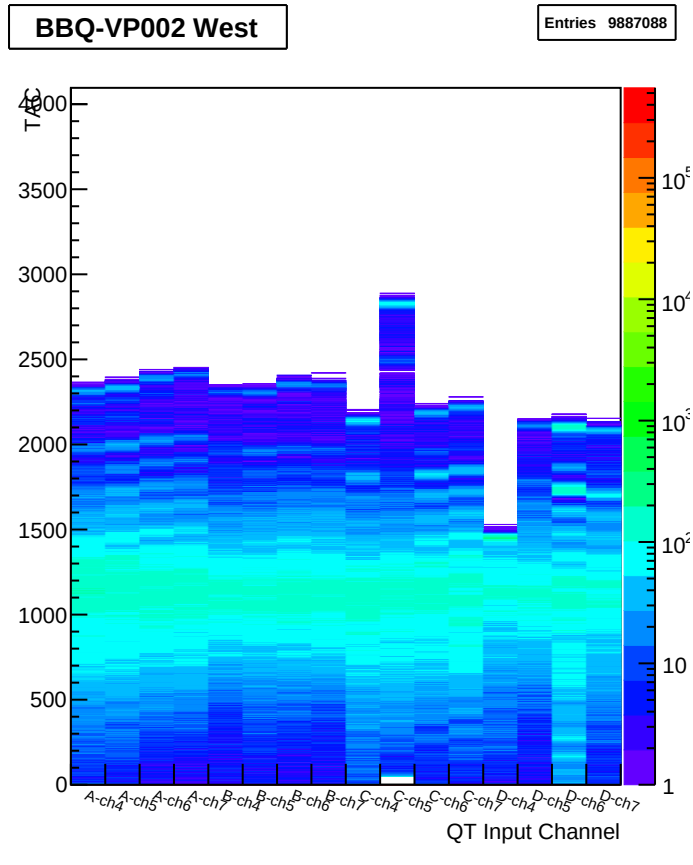

BBQ-ZD001 (ZDC TOWER)
Entries 9887088
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

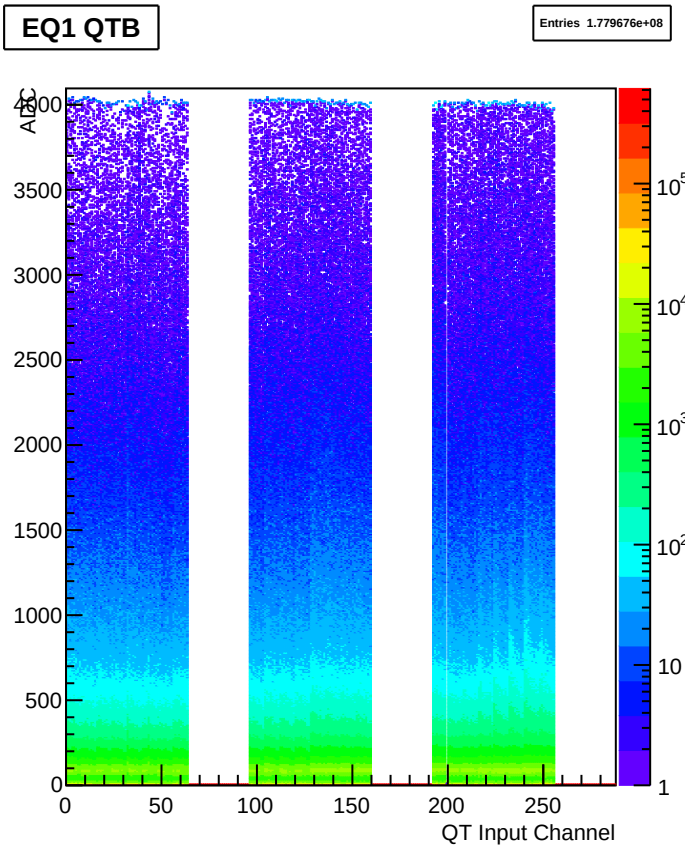

BBQ-ZD001 (ZDC TOWER)
Entries 9887088
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

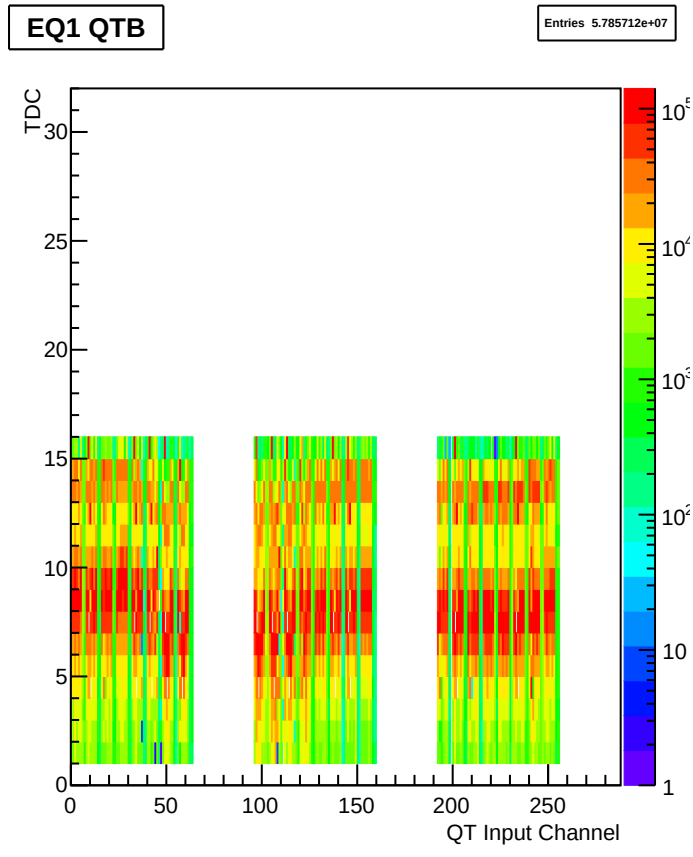

BBQ-VP001 East
Entries 9887088
ADC
QT Input Channel

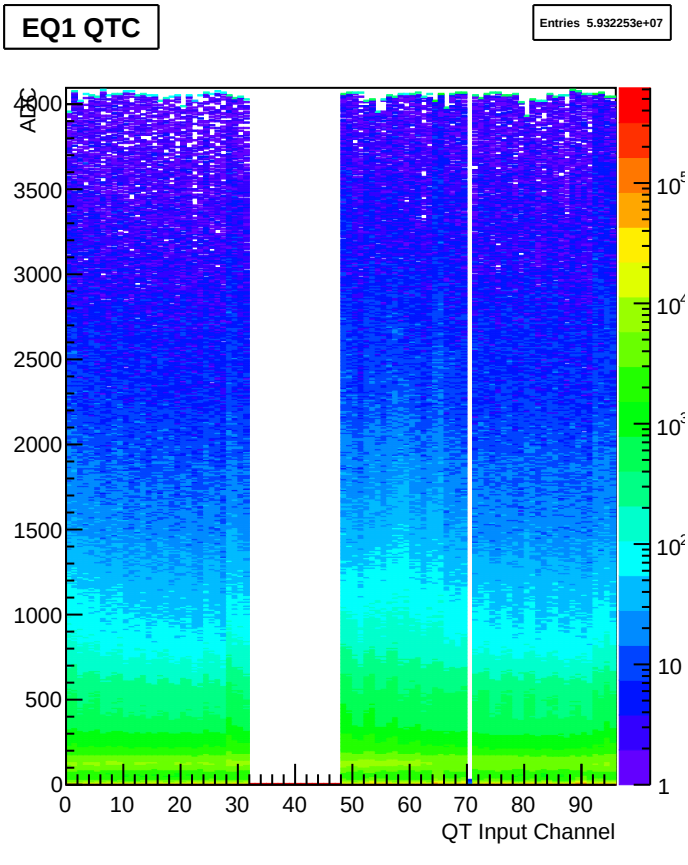

BBQ-VP001 East
Entries 9887088
ADC
QT Input Channel

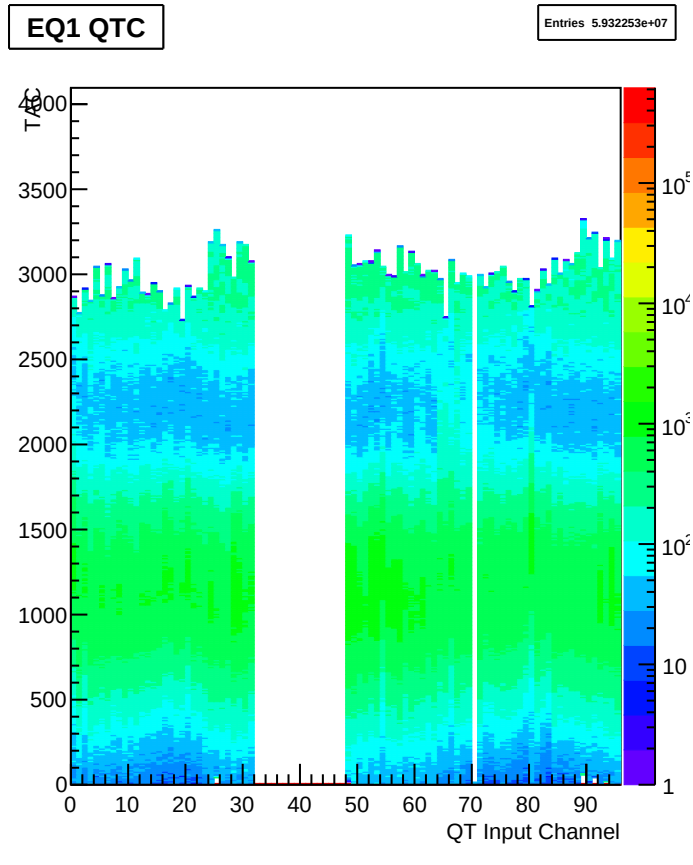

BBQ-VP002 West
Entries 9887088
ADC
QT Input Channel

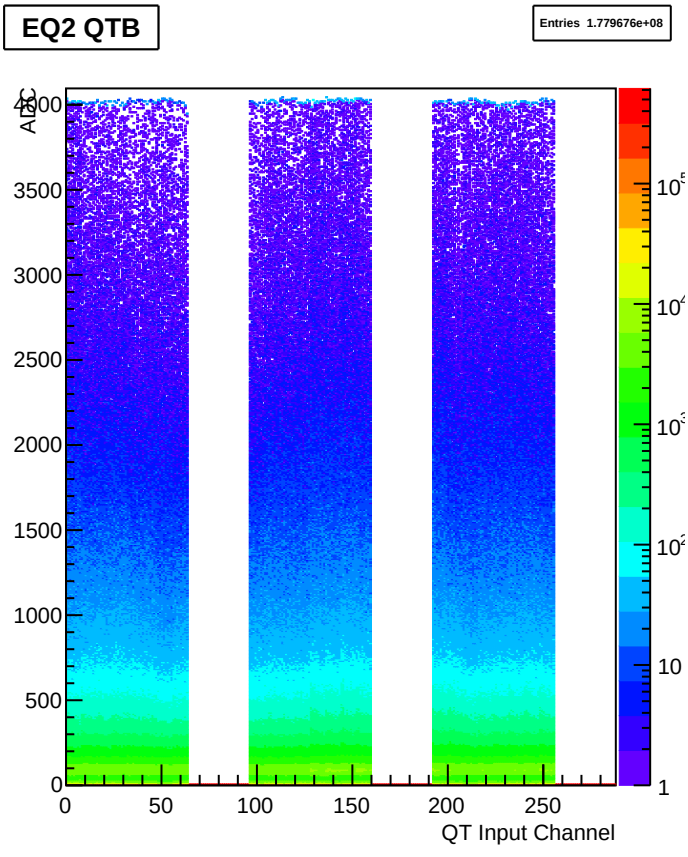

BBQ-VP002 West
Entries 9887088
ADC
QT Input Channel

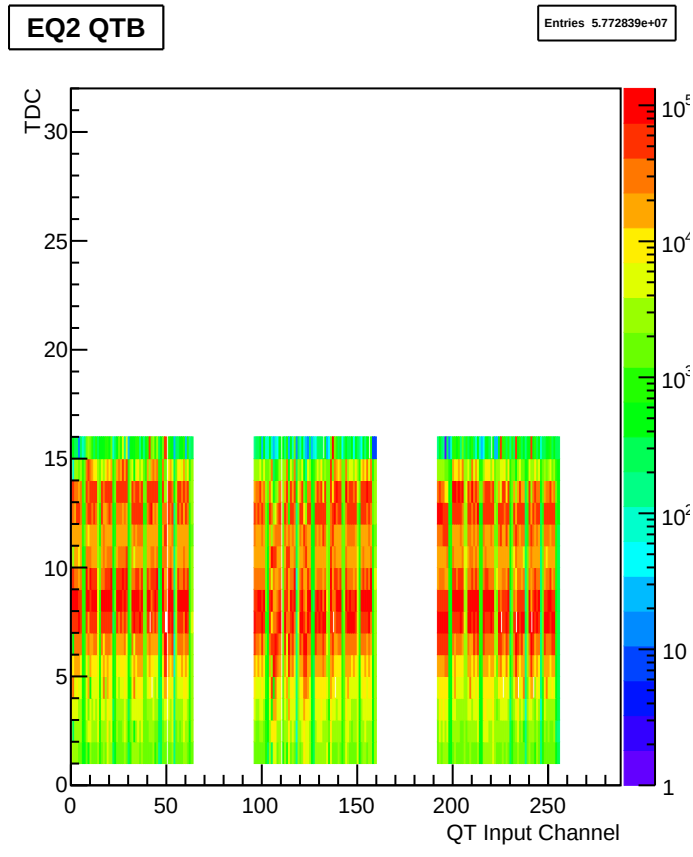

EQ1 QTB
Entries 1.779676e+08
ADC
QT Input Channel

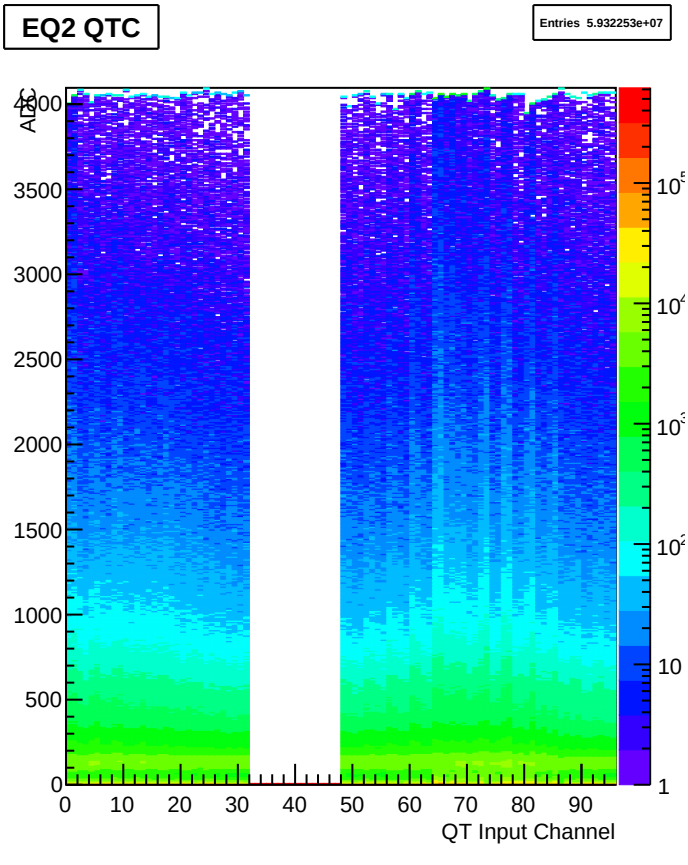

EQ1 QTB
Entries 5.785712e+07
TDC
QT Input Channel

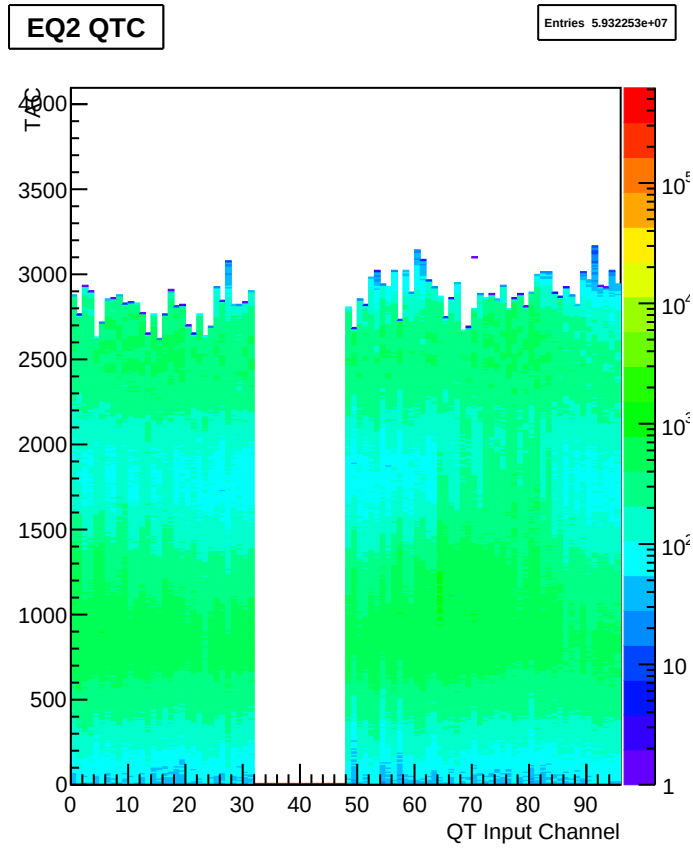

EQ1 QTC
Entries 5.932253e+07
ADC
QT Input Channel

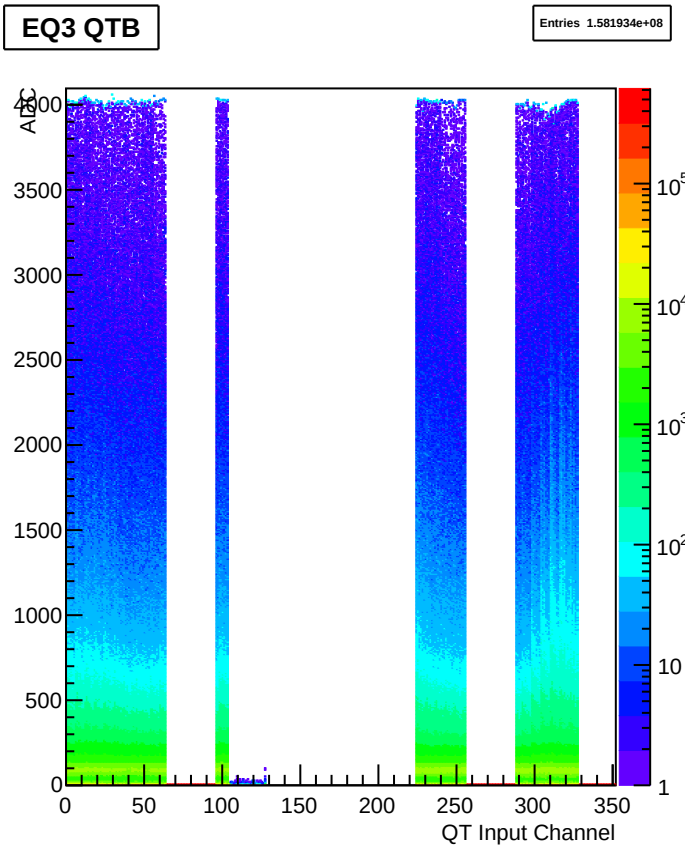

EQ1 QTC
Entries 5.932253e+07
TADC
QT Input Channel

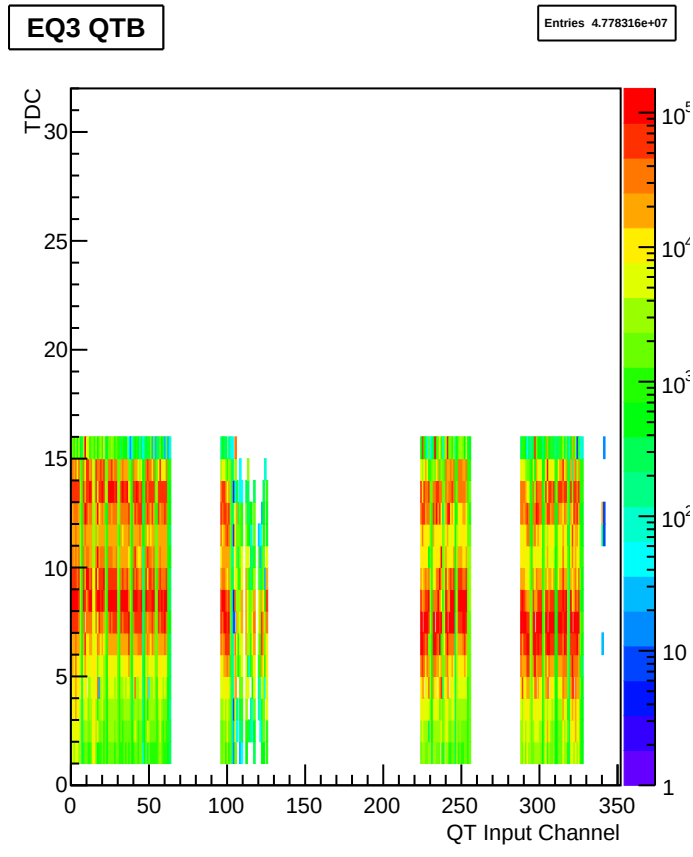

EQ2 QTB
Entries 1.779676e+08
ADC
QT Input Channel

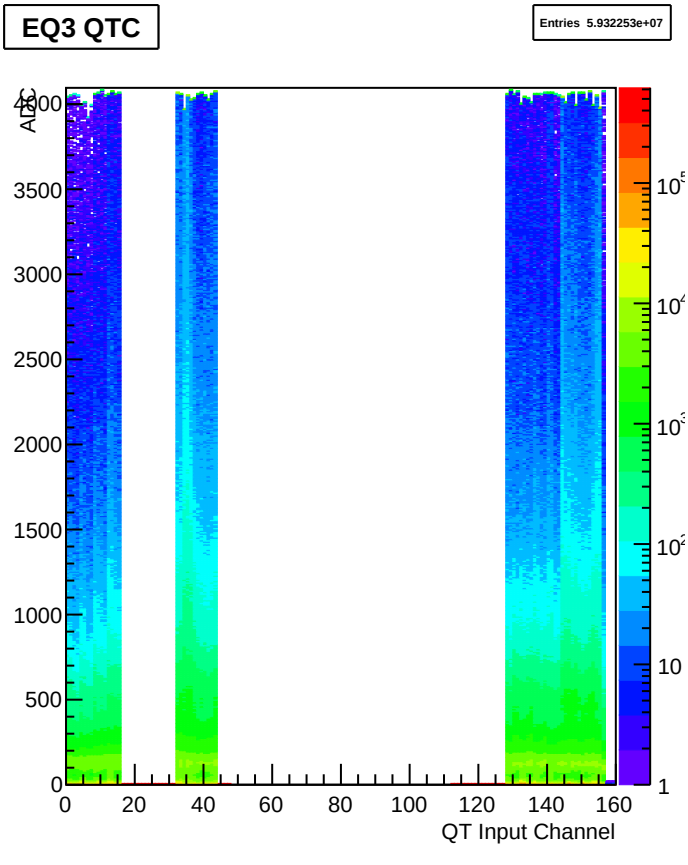

EQ2 QTB
Entries 5.772839e+07
TDC
QT Input Channel

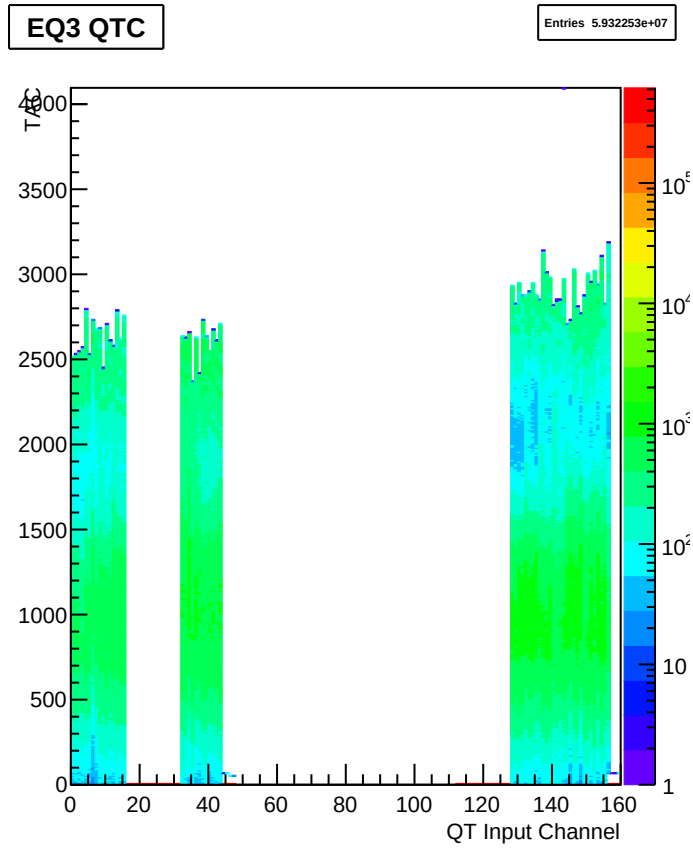

EQ2 QTC
Entries 5.932253e+07
ADC
QT Input Channel

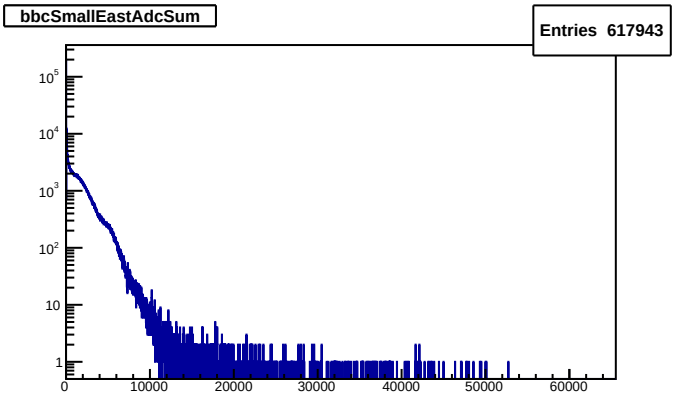

EQ2 QTC
Entries 5.932253e+07
TADC
QT Input Channel

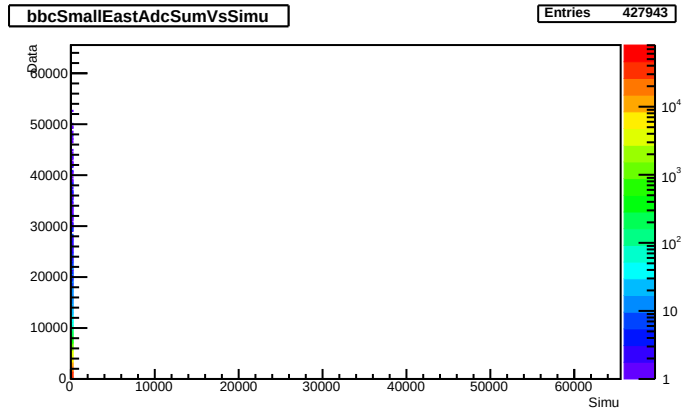

EQ3 QTB
Entries 1.581934e+08
ADC
QT Input Channel

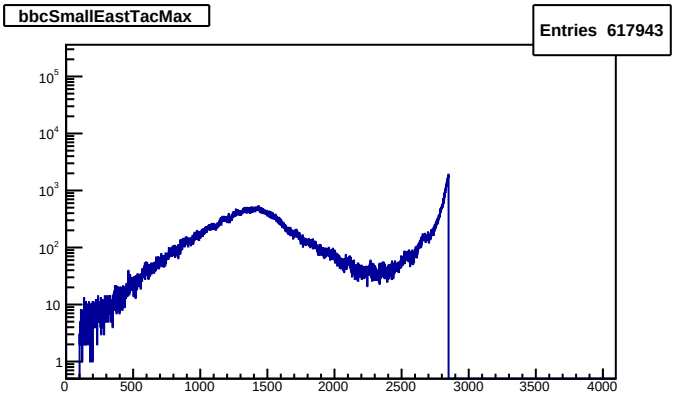

EQ3 QTB
Entries 4.778316e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.932253e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.932253e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 617943


bbcSmallEastAdcSumVsSimu
Entries 427943
Data
Simu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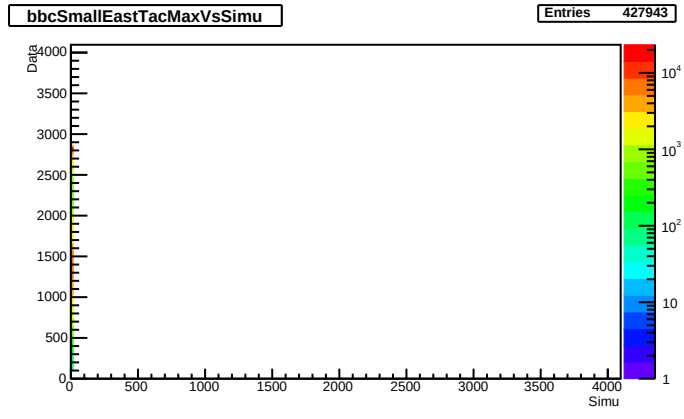
Entries 617943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Entries 427943
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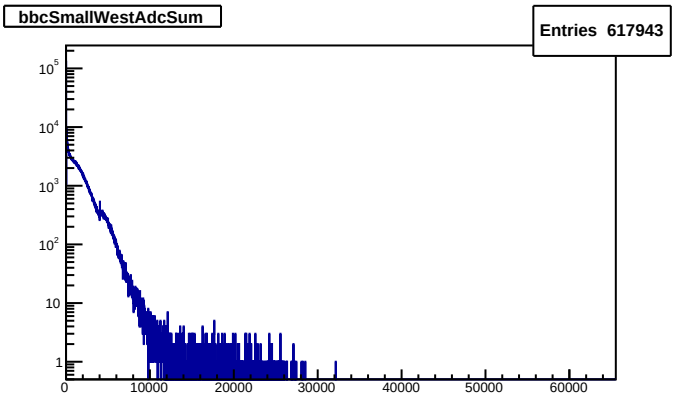
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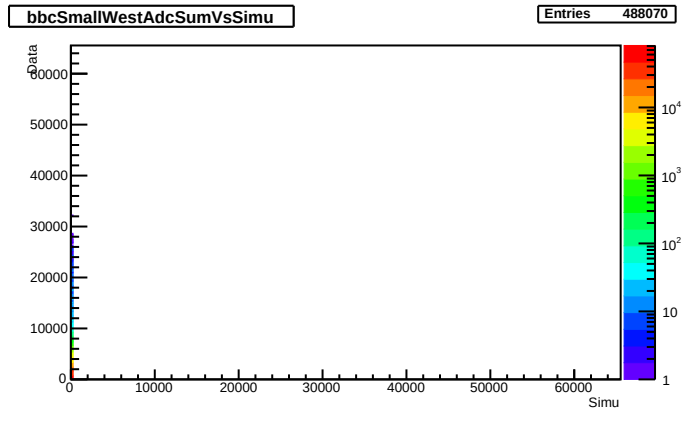
Entries 617943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Entries 488070
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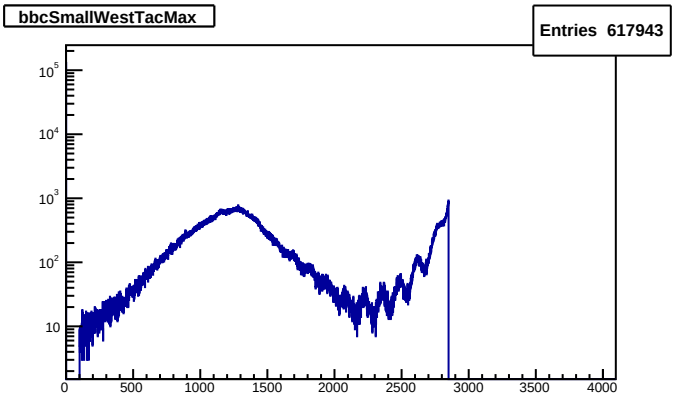
Simu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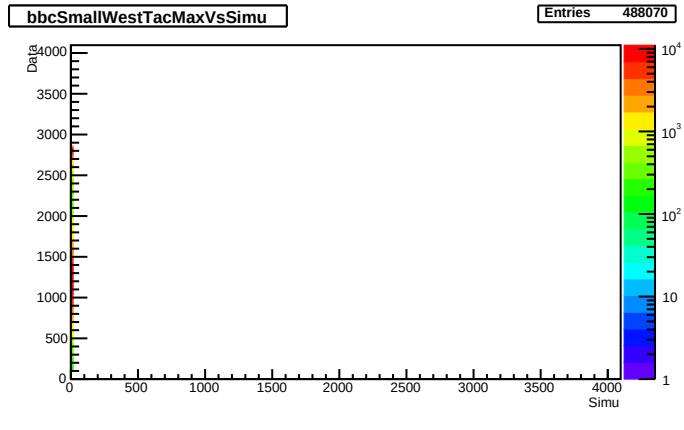
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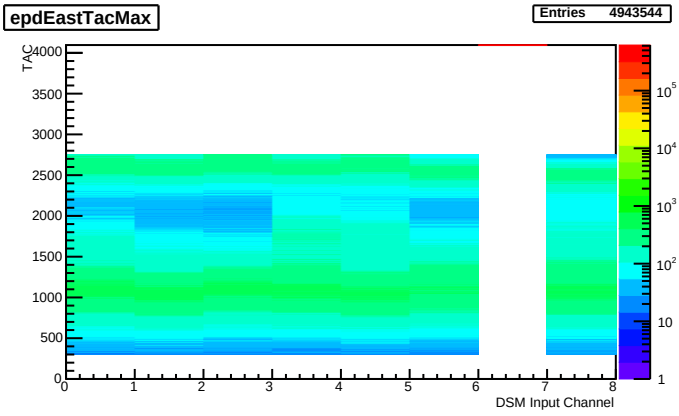
Entries 488070
Data
Simu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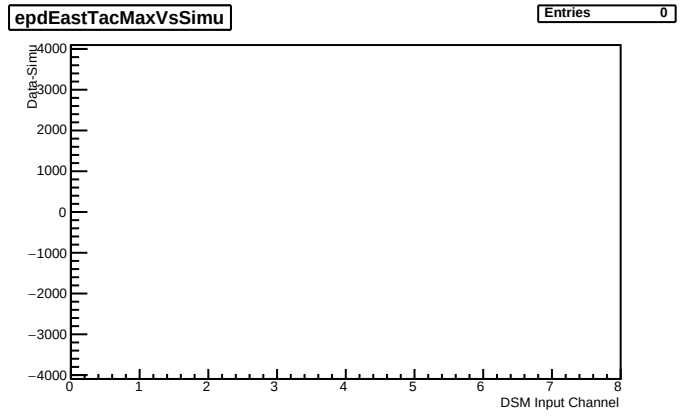
Entries 4943544
TAC
DSM Input Channel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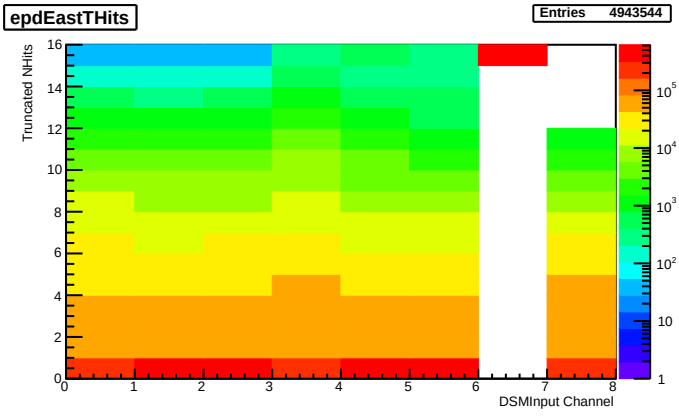
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4943544
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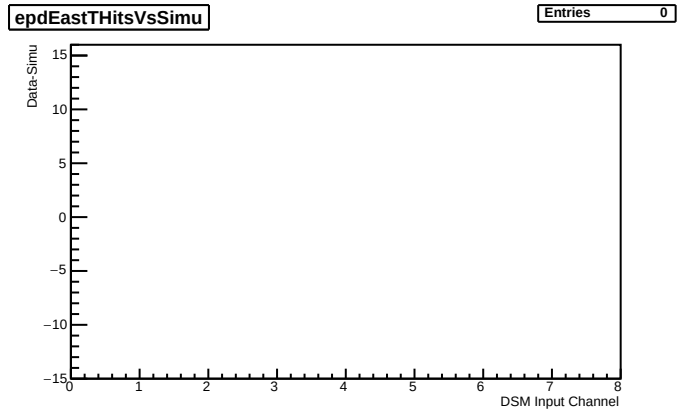
DSMInput Channel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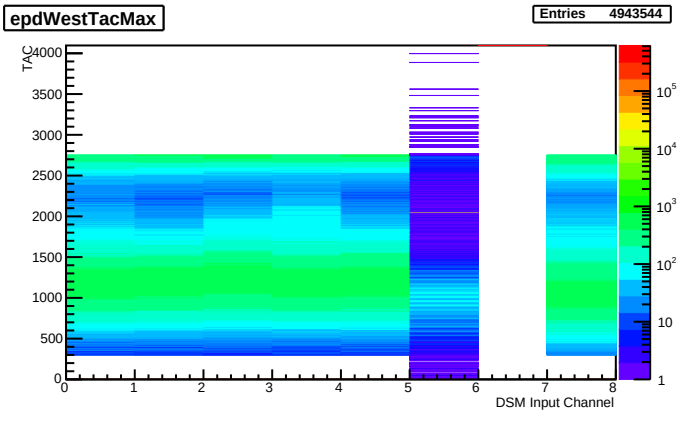
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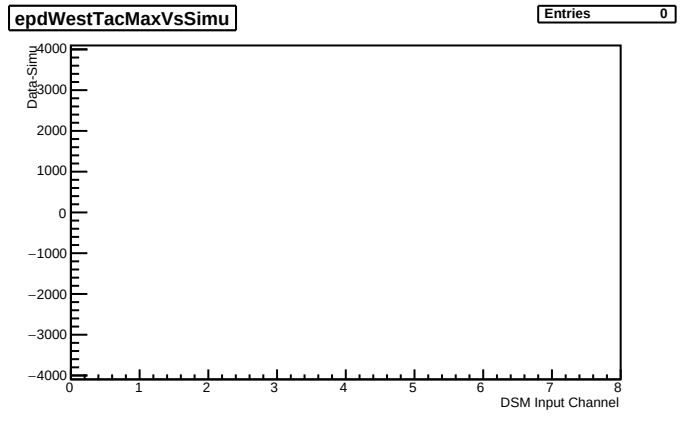
DSM Input Channel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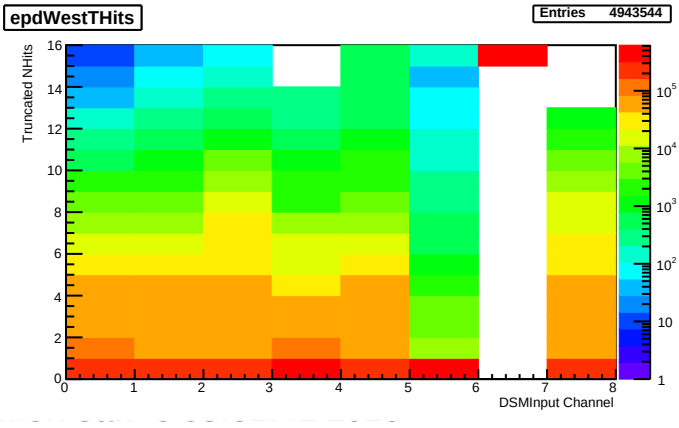
DSM Input Channel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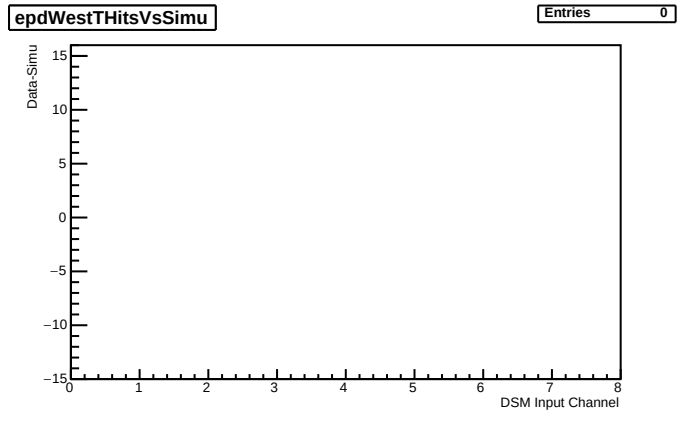
Entries 4943544
Truncated NHits
DSMInput Channel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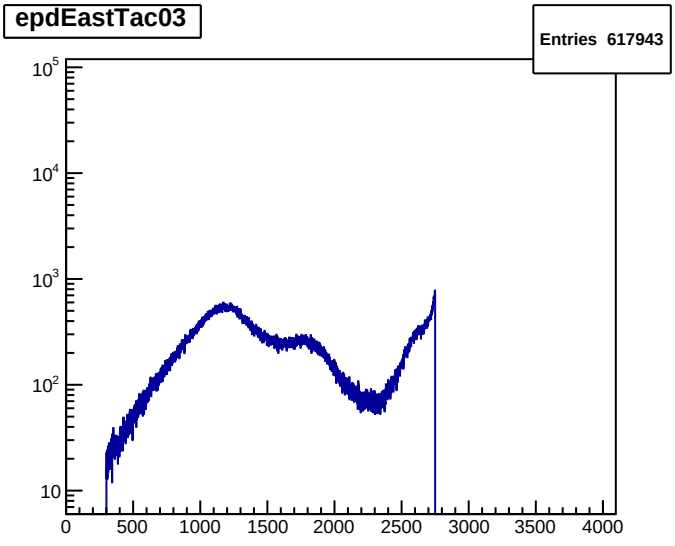
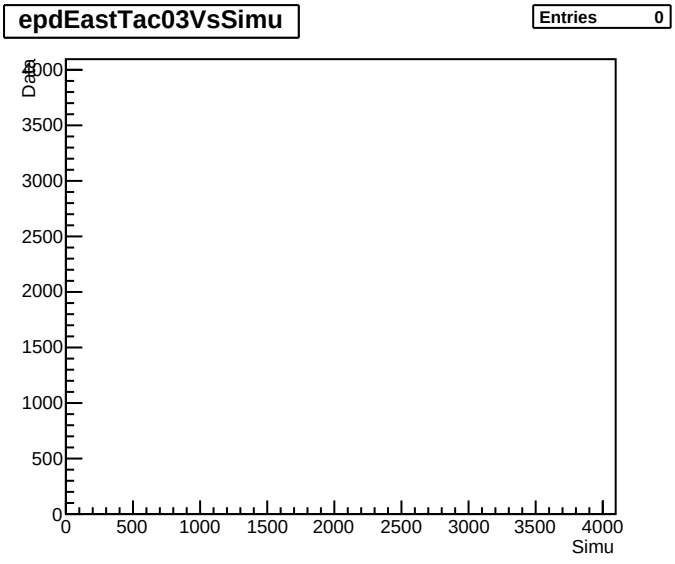
DSM Input Channel


epdEastTac03
Entries 617943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Data
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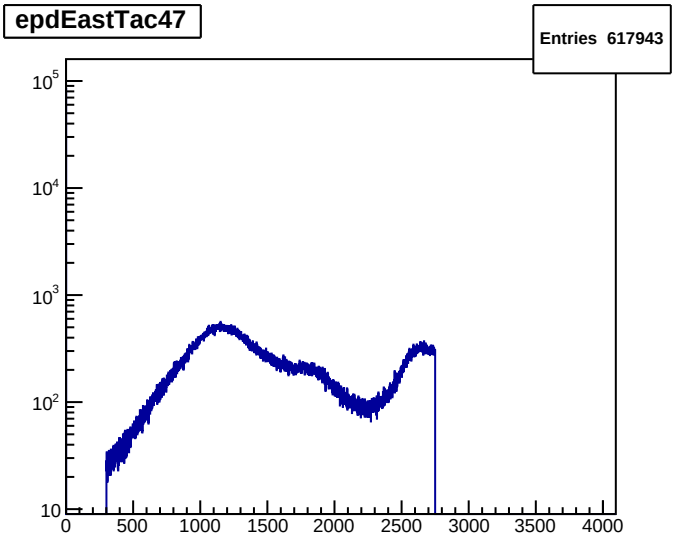
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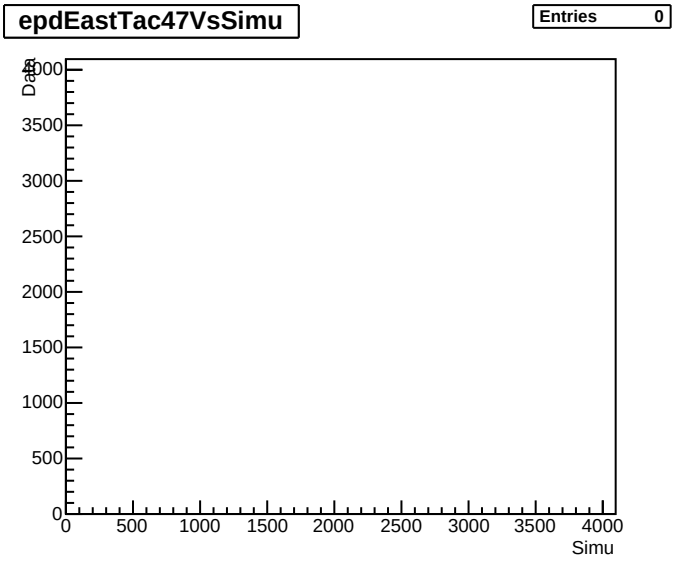
Entries 617943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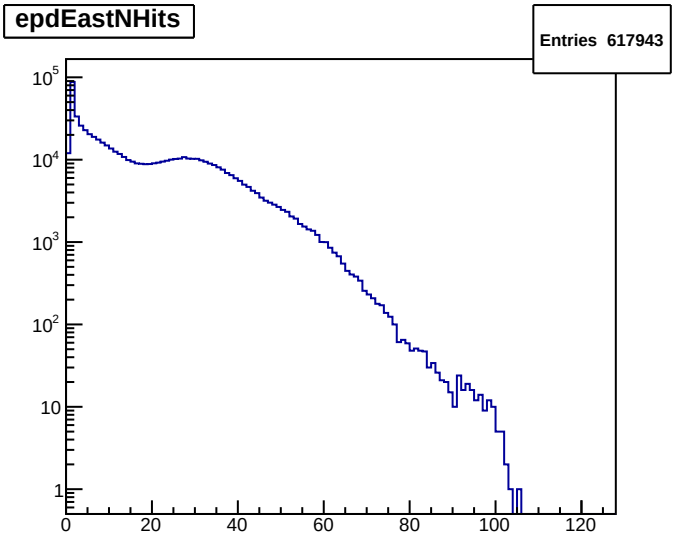
Entries 0
Data
Simu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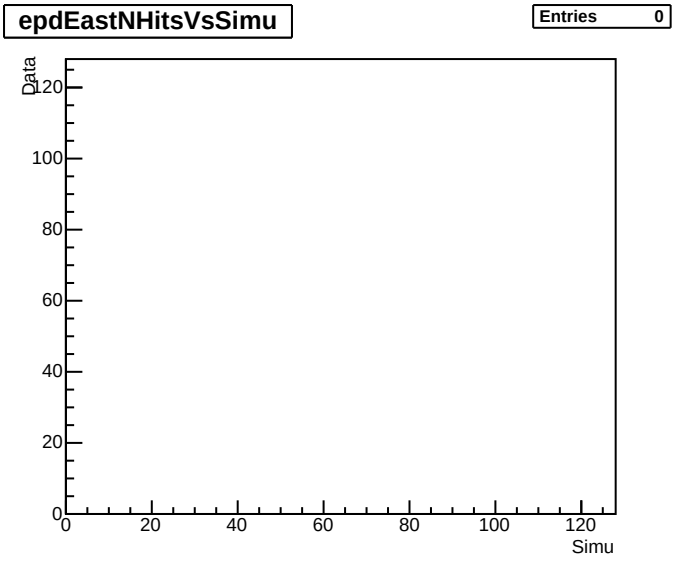
Entries 617943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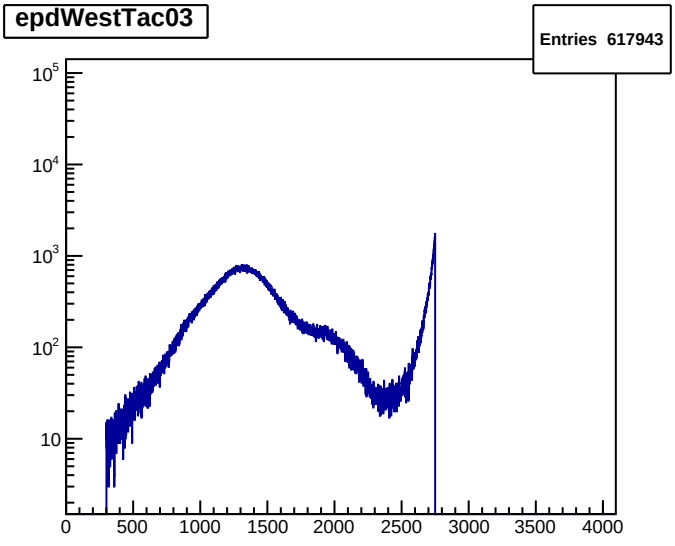
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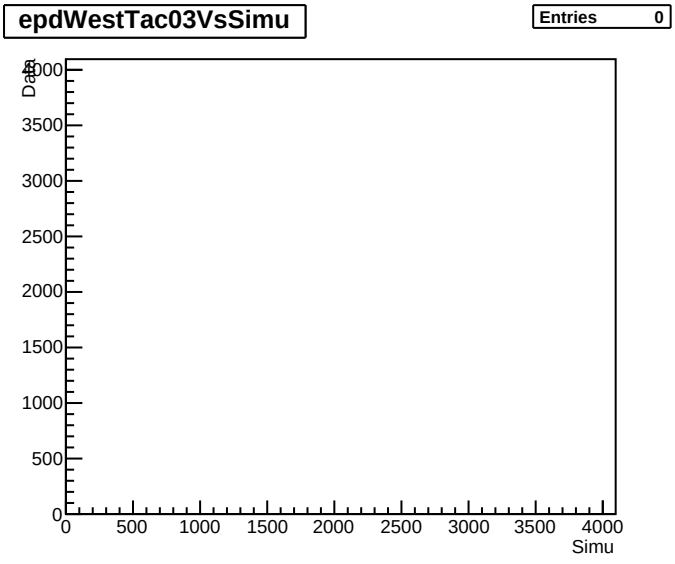
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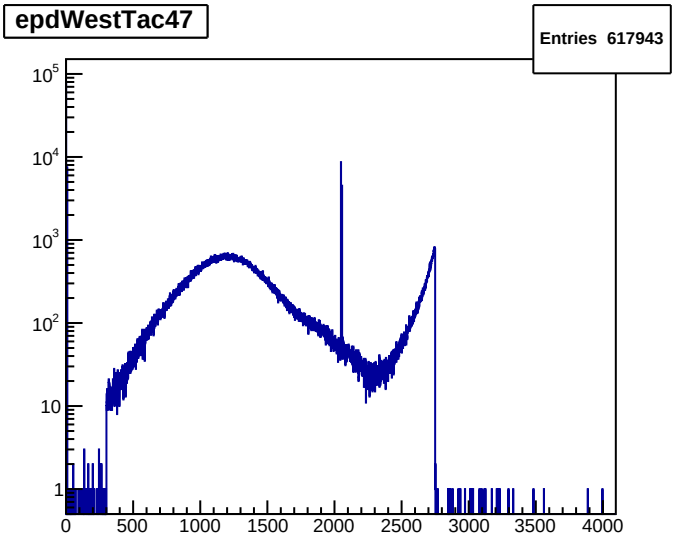
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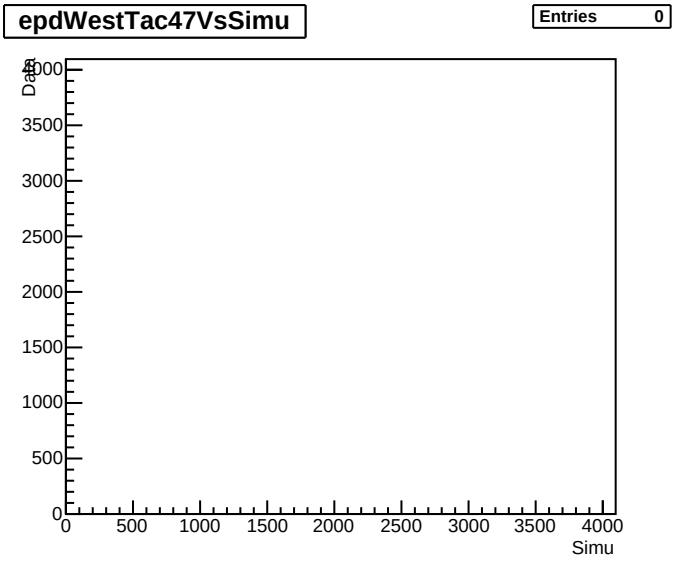
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Entries 0
Data
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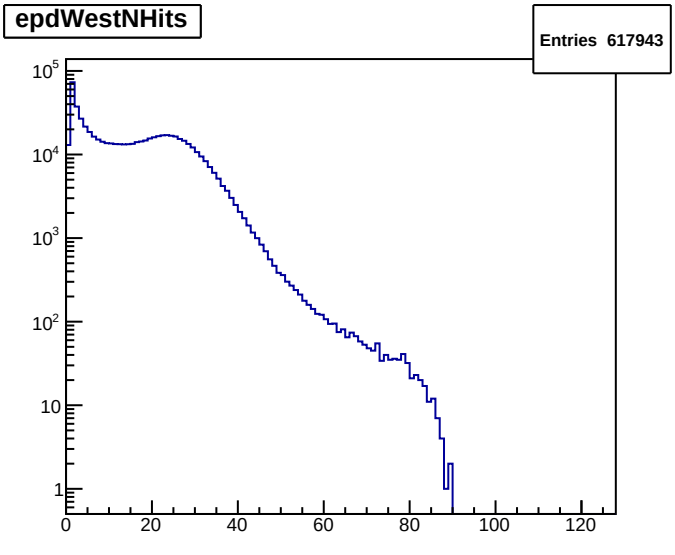
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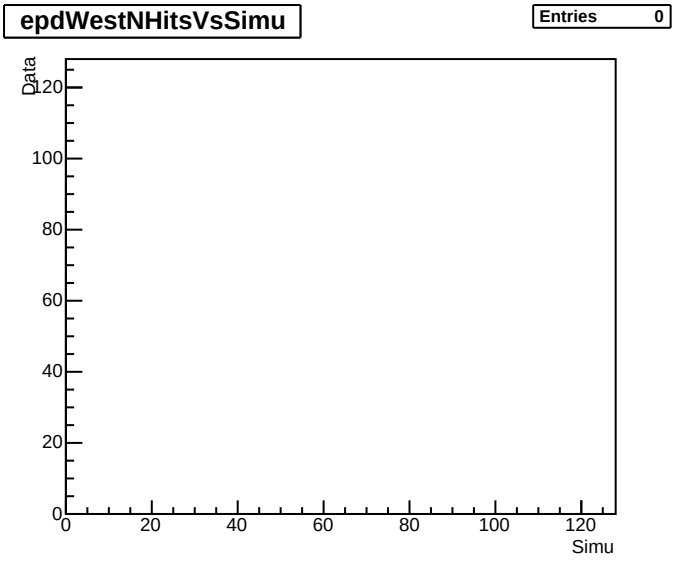
Entries 617943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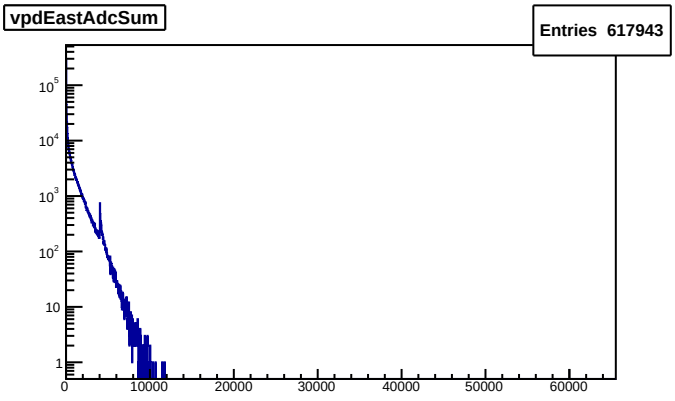
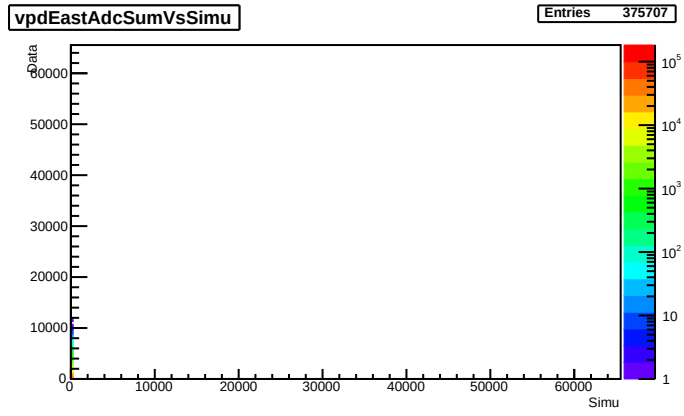
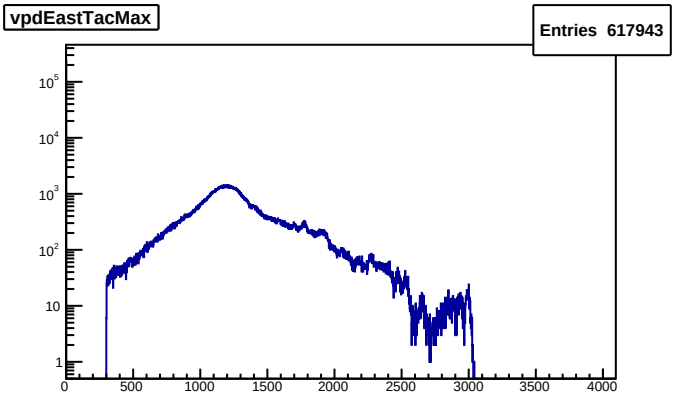
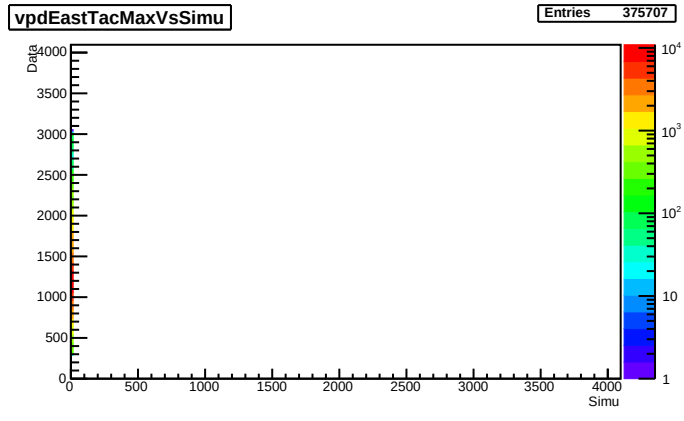
Entries 0
Data
Simu


vpdEastAdcSum
Entries 617943


vpdEastAdcSumVsSimu
Entries 375707
Data
Simu


vpdEastTacMax
Entries 617943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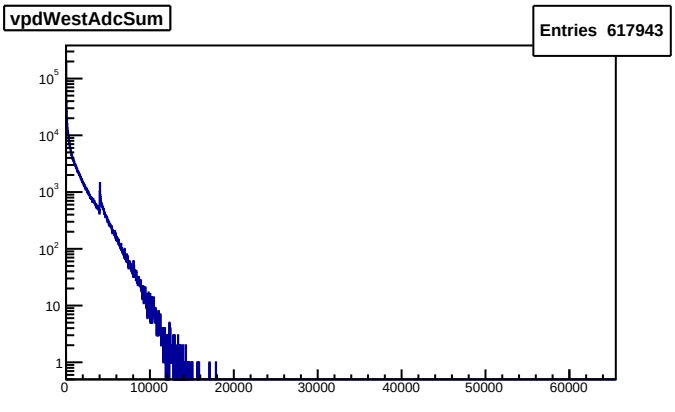
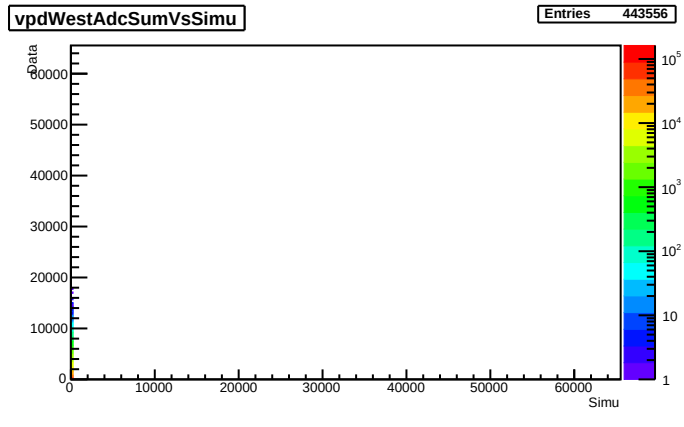
Entries 375707
Data
Simu


vpdWestAdcSum
Entries 617943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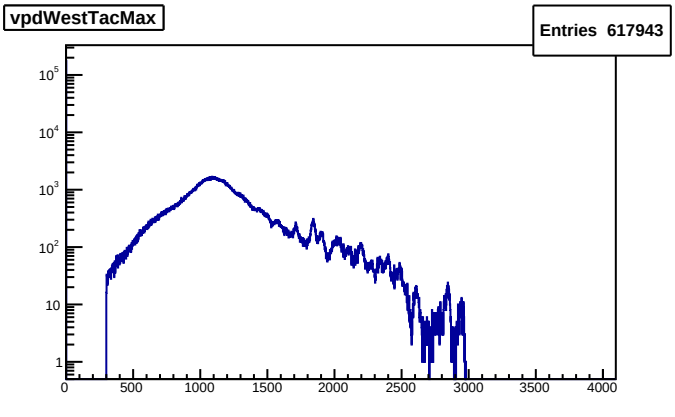
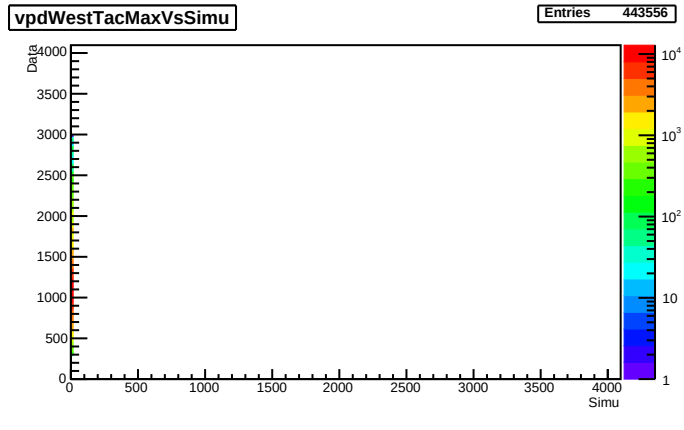
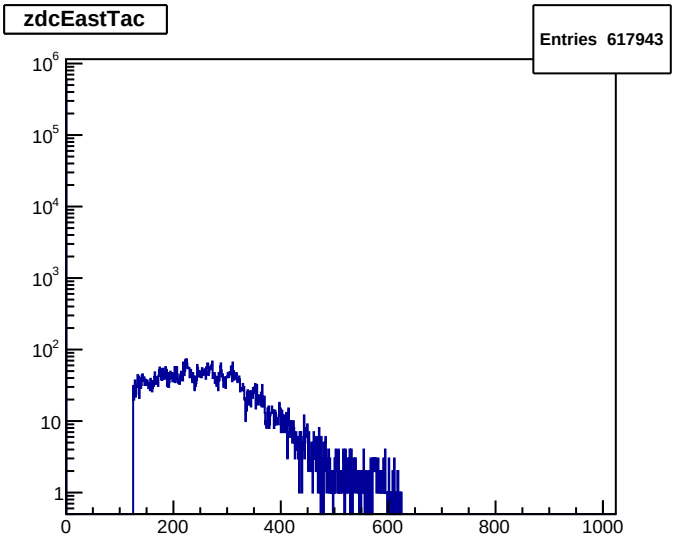
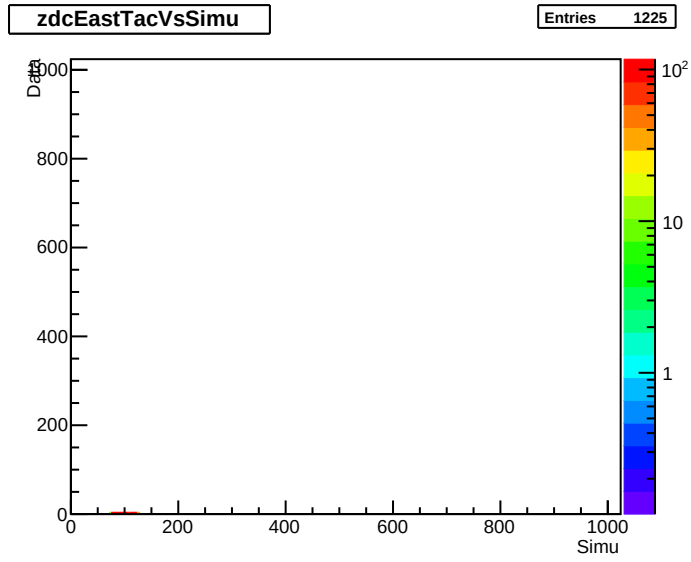
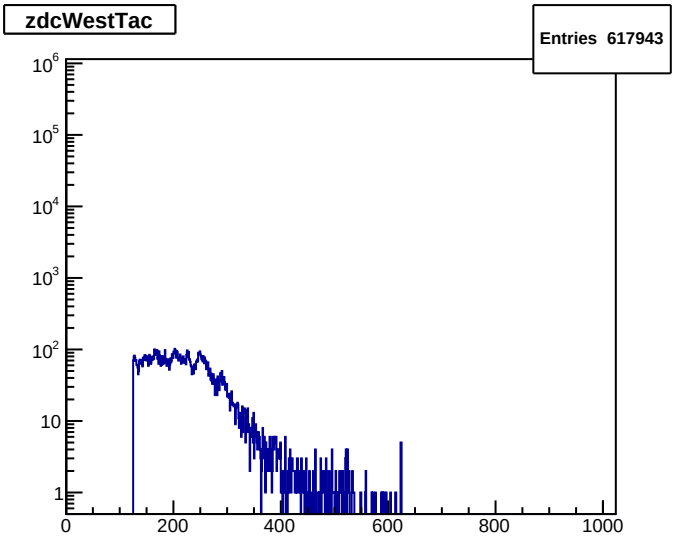
Entries 443556
Data
Simu

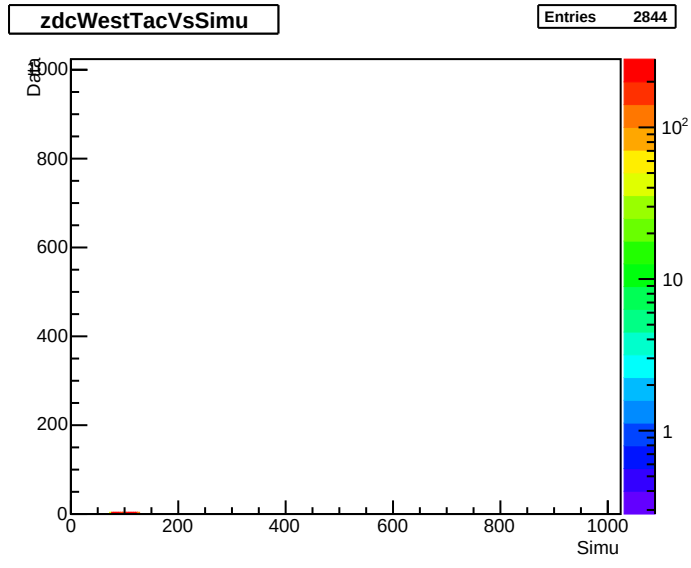

vpdWestTacMax
Entries 617943

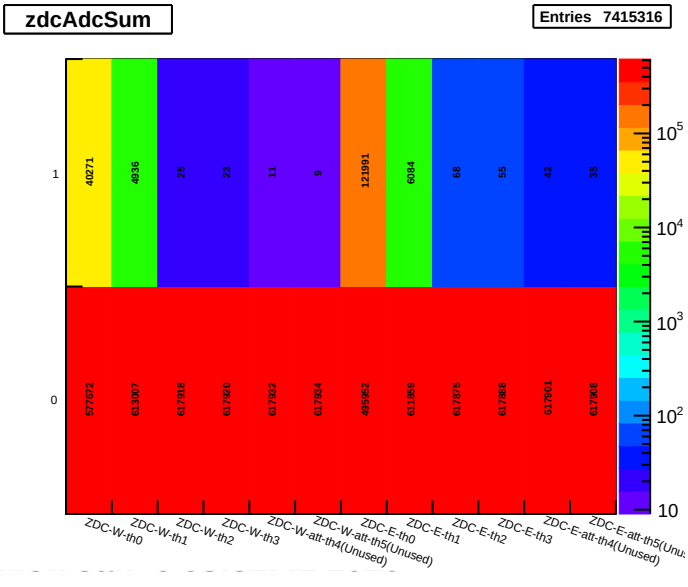

vpdWestTacMaxVsSimu
Entries 443556
Data
Simu

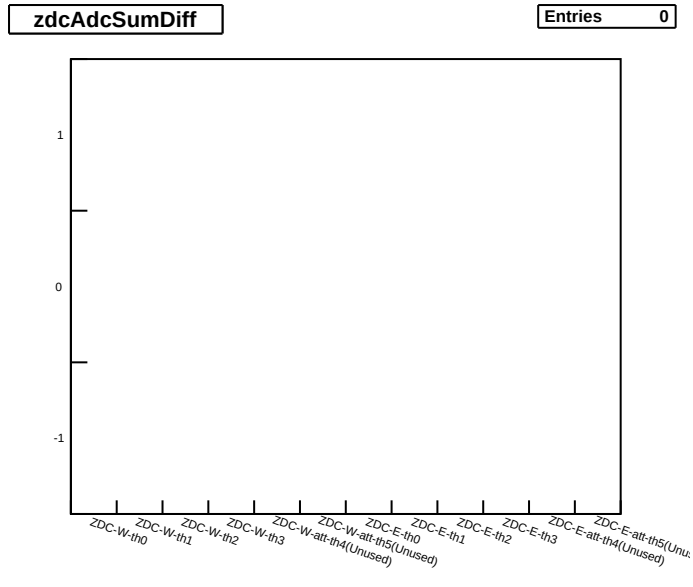

zdcEastTac
Entries 617943

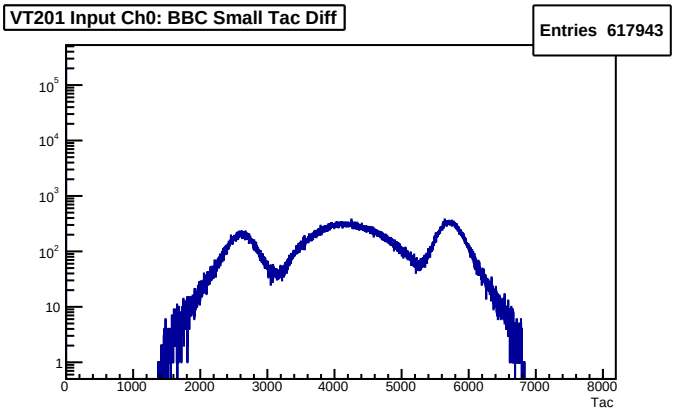

zdcEastTacVsSimu
Entries 1225
Data
Simu

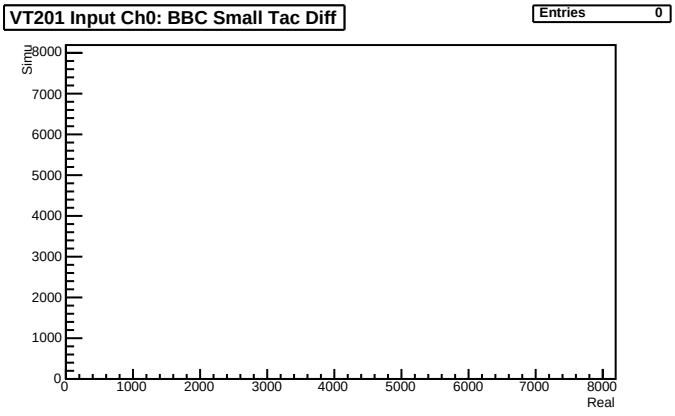

zdcWestTac
Entries 617943

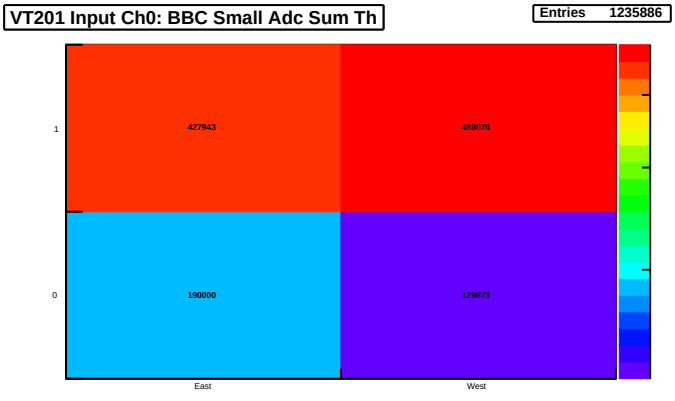

zdcWestTacVsSimu
Entries 2844
Data
Simu

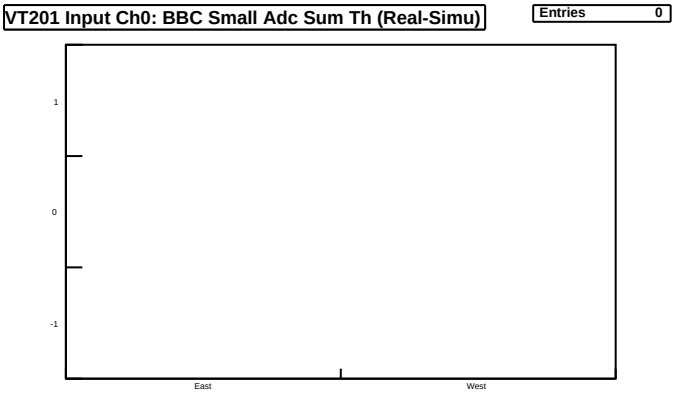

zdcAdcSum
Entries 7415316
40271
4936
25
23
11
9
121991
6084
68
55
42
35
577672
613007
617918
617920
617932
617934
495652
611889
617875
617888
617901
617908
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

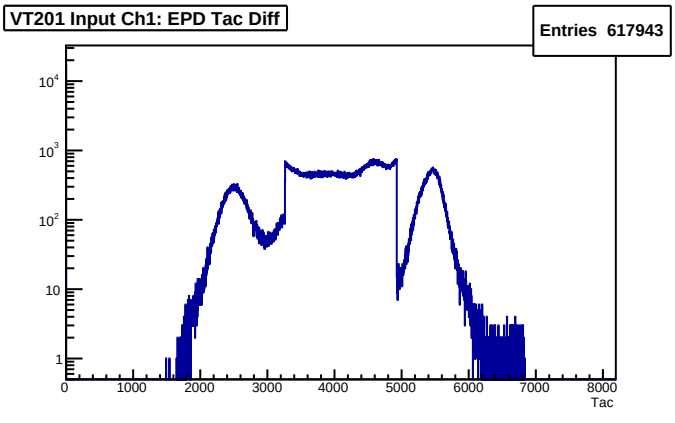

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

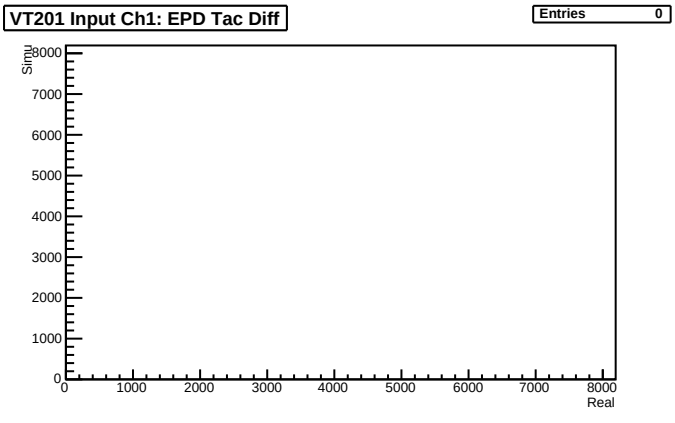

VT201 Input Ch0: BBC Small Tac Diff
Entries 617943
Tac

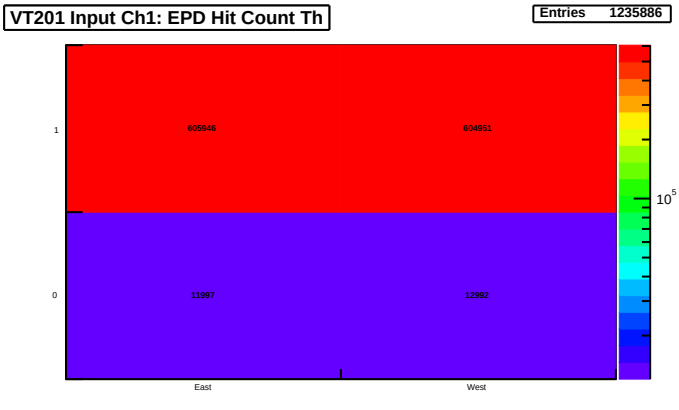

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

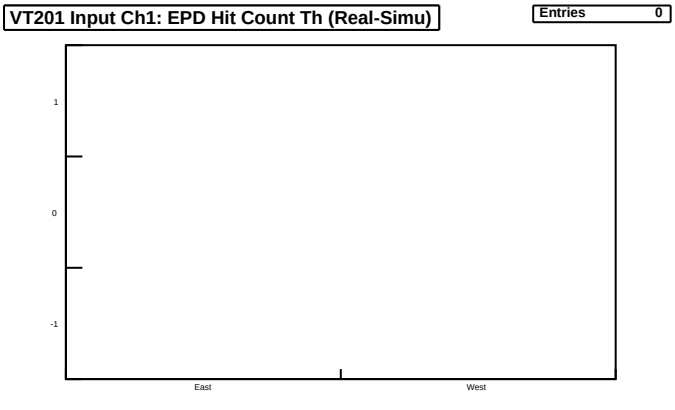

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1235886
427943
488070
190000
129873
East
West

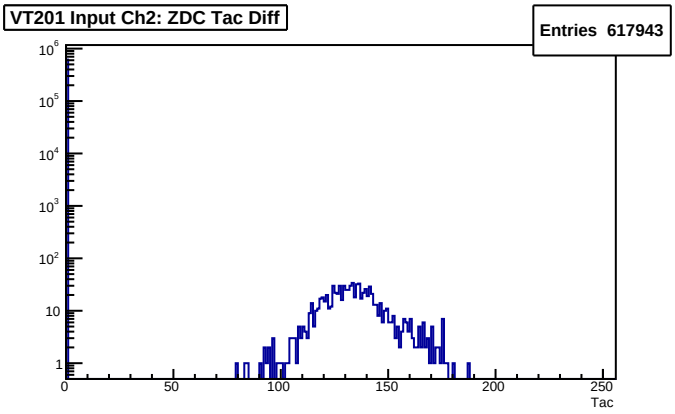

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

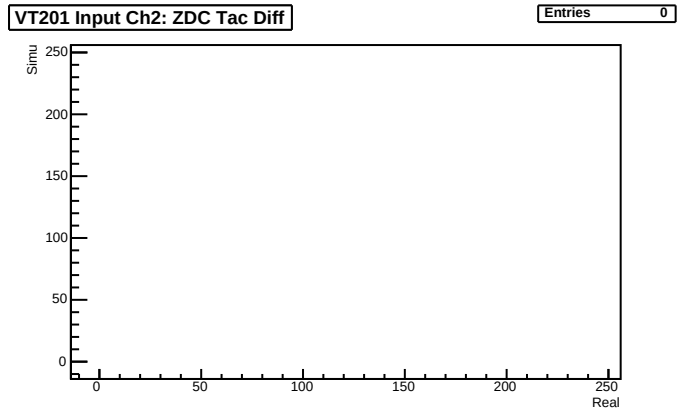

VT201 Input Ch1: EPD Tac Diff
Entries 617943
Tac

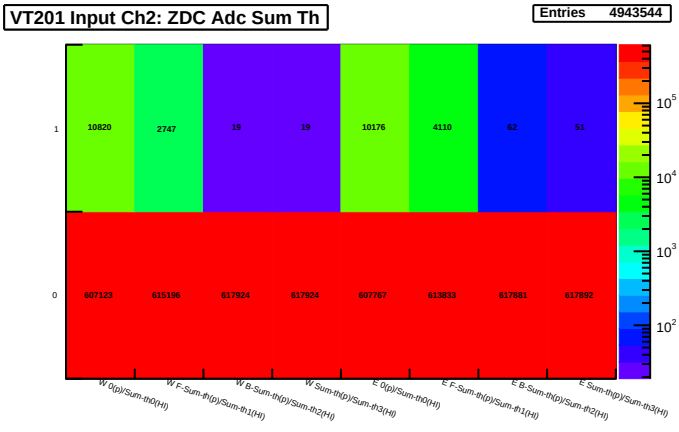

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

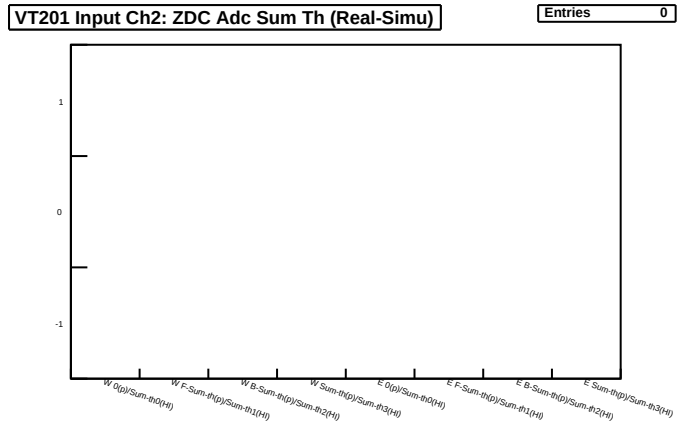

VT201 Input Ch1: EPD Hit Count Th
Entries 1235886
605946
604951
11997
12992
East
West

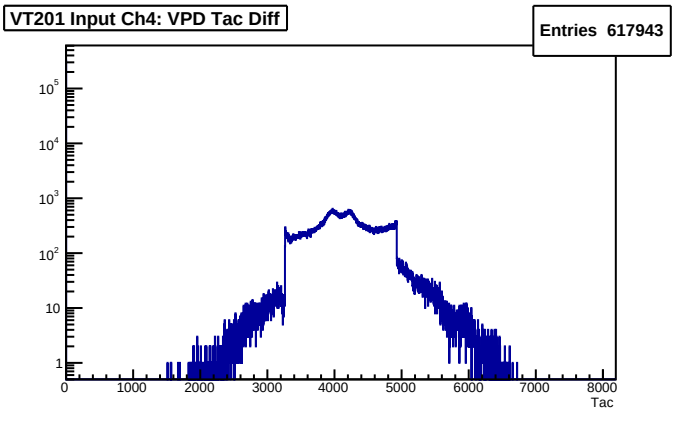

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

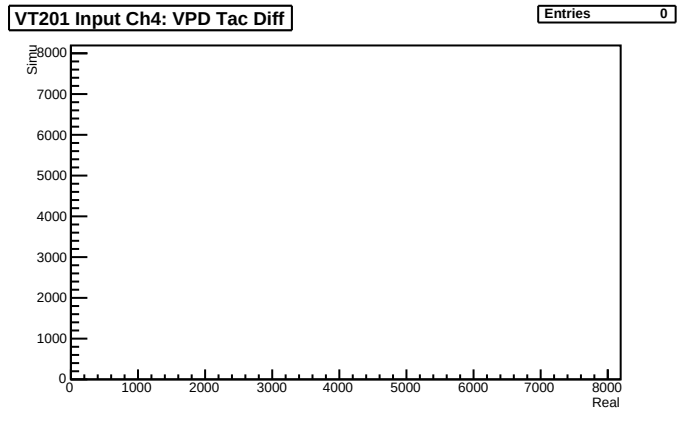

VT201 Input Ch2: ZDC Tac Diff
Entries 617943
Tac

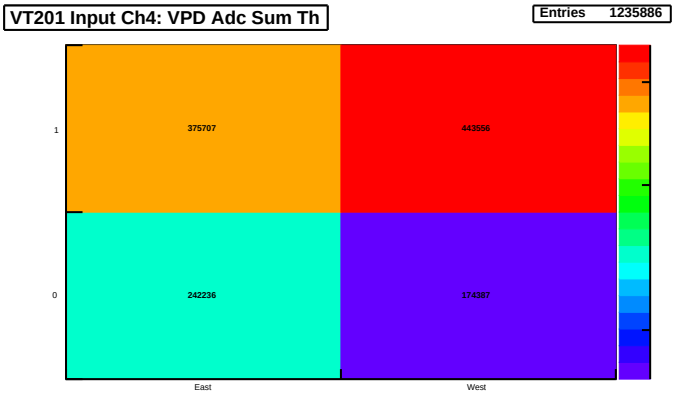

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

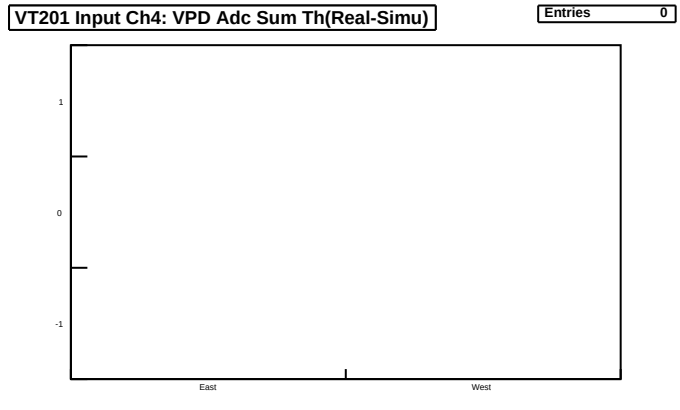

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4943544
10820
2747
19
19
10176
4110
62
51
607123
615196
617924
617924
607767
613833
617881
617892
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

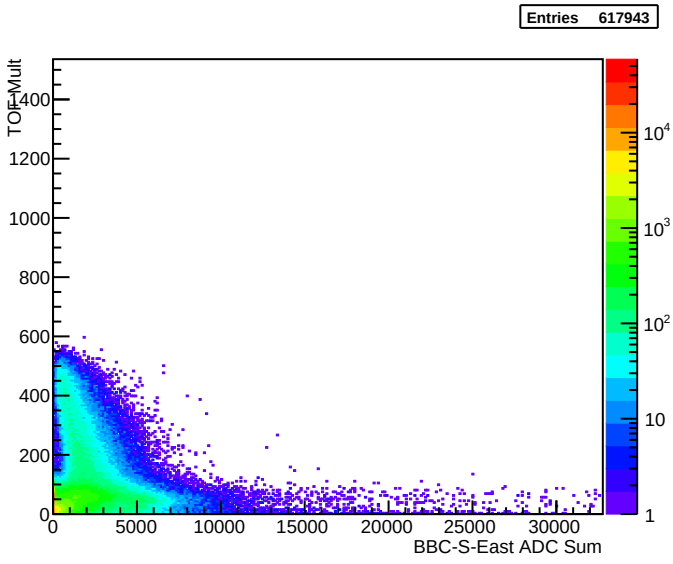

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

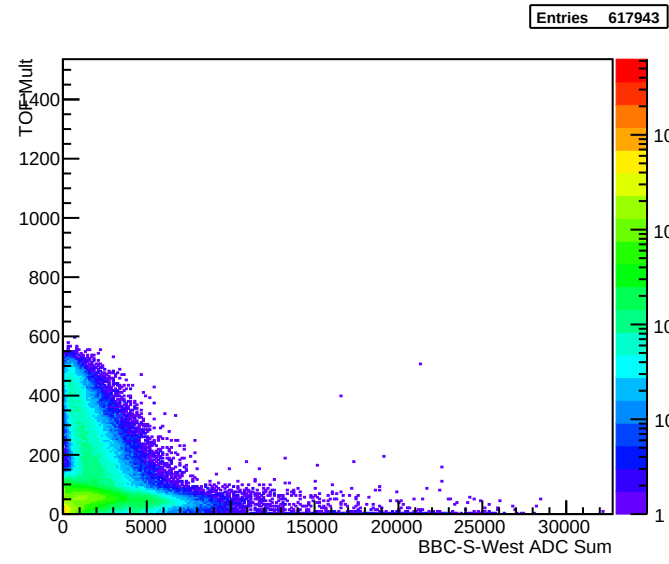

VT201 Input Ch4: VPD Tac Diff
Entries 617943
Tac

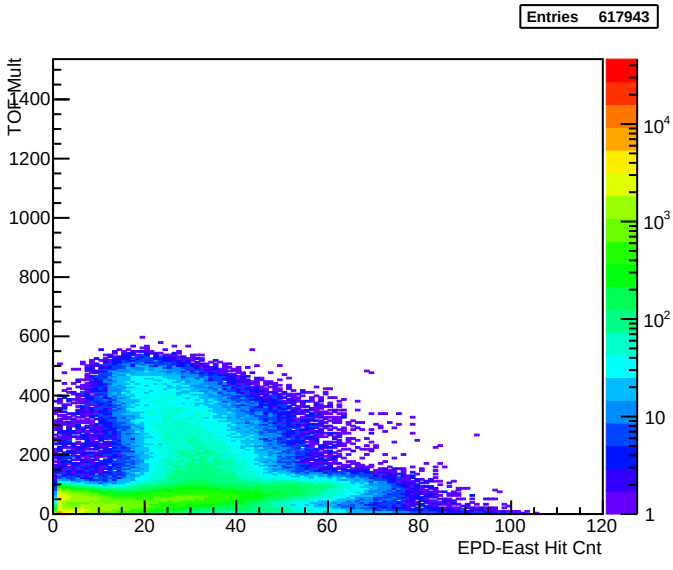

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

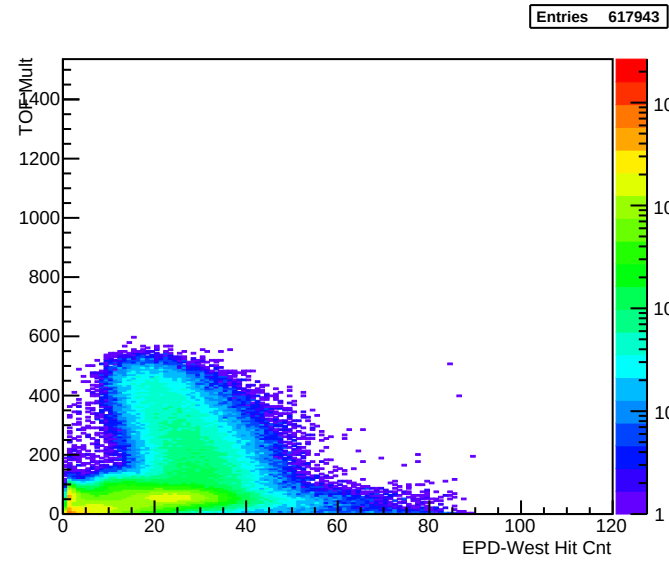

VT201 Input Ch4: VPD Adc Sum Th
Entries 1235886
375707
443556
242236
174387
East
West

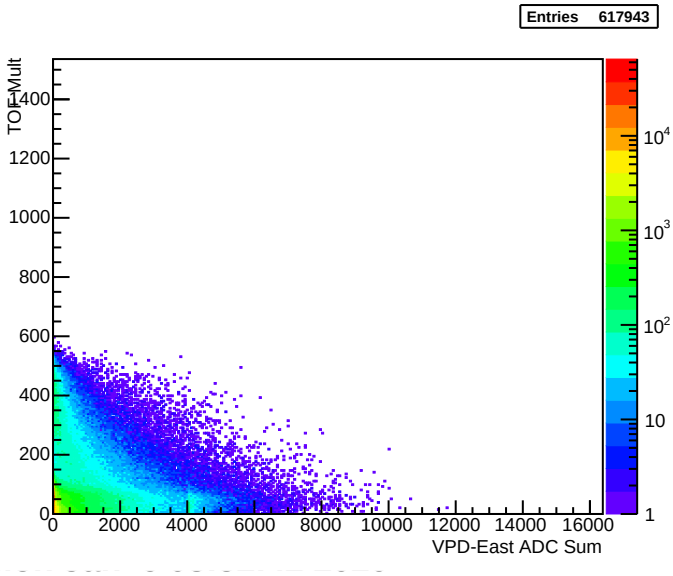

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

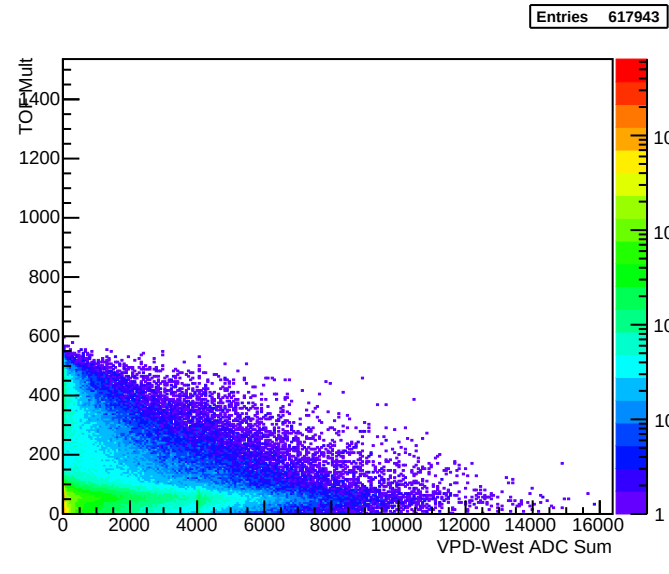

Entries 617943
TOF-Mult
BBC-S-East ADC Sum

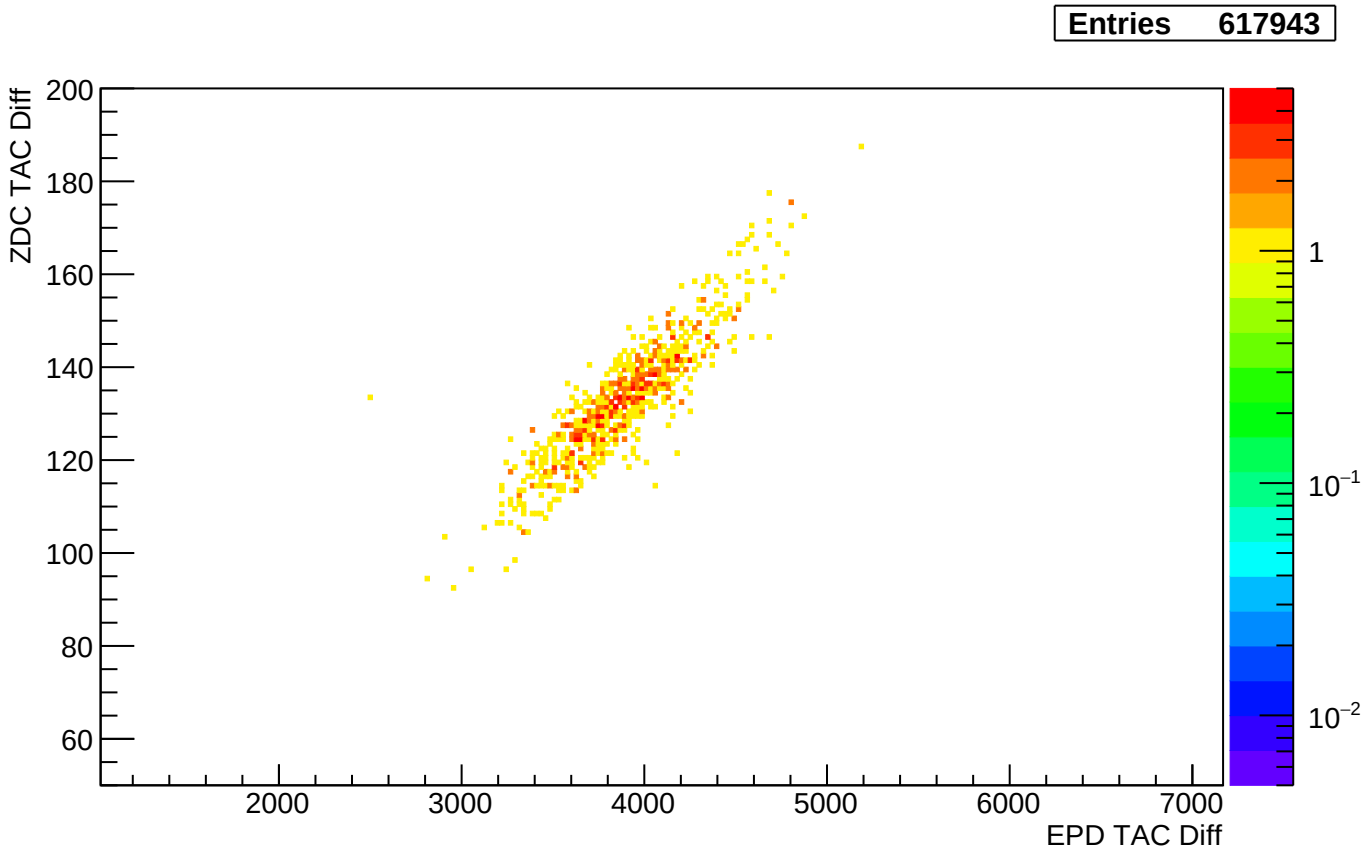

Entries 617943
TOF-Mult
BBC-S-West ADC Sum

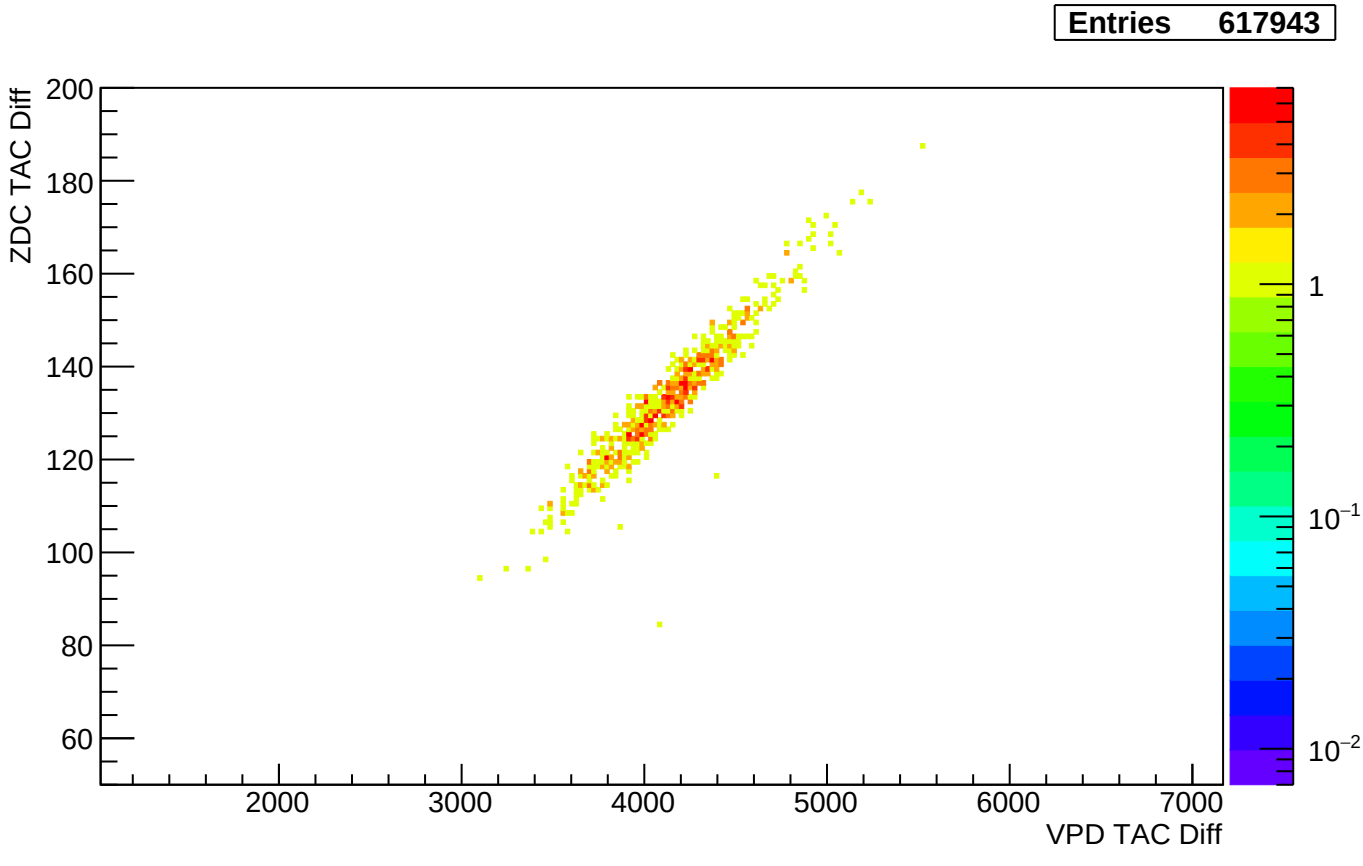

Entries 617943
TOF-Mult
EPD-East Hit Cnt

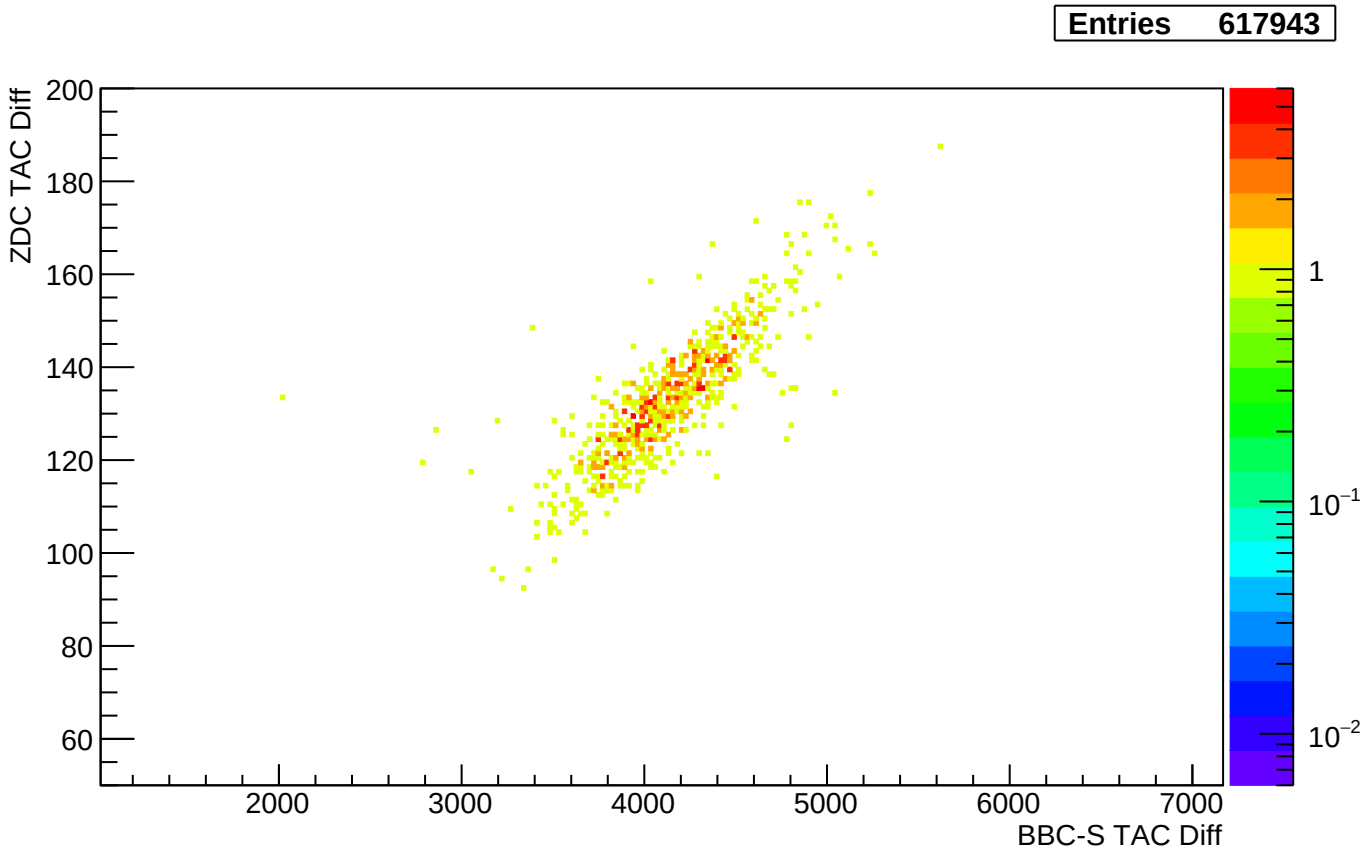

Entries 617943
TOF-Mult
EPD-West Hit Cnt

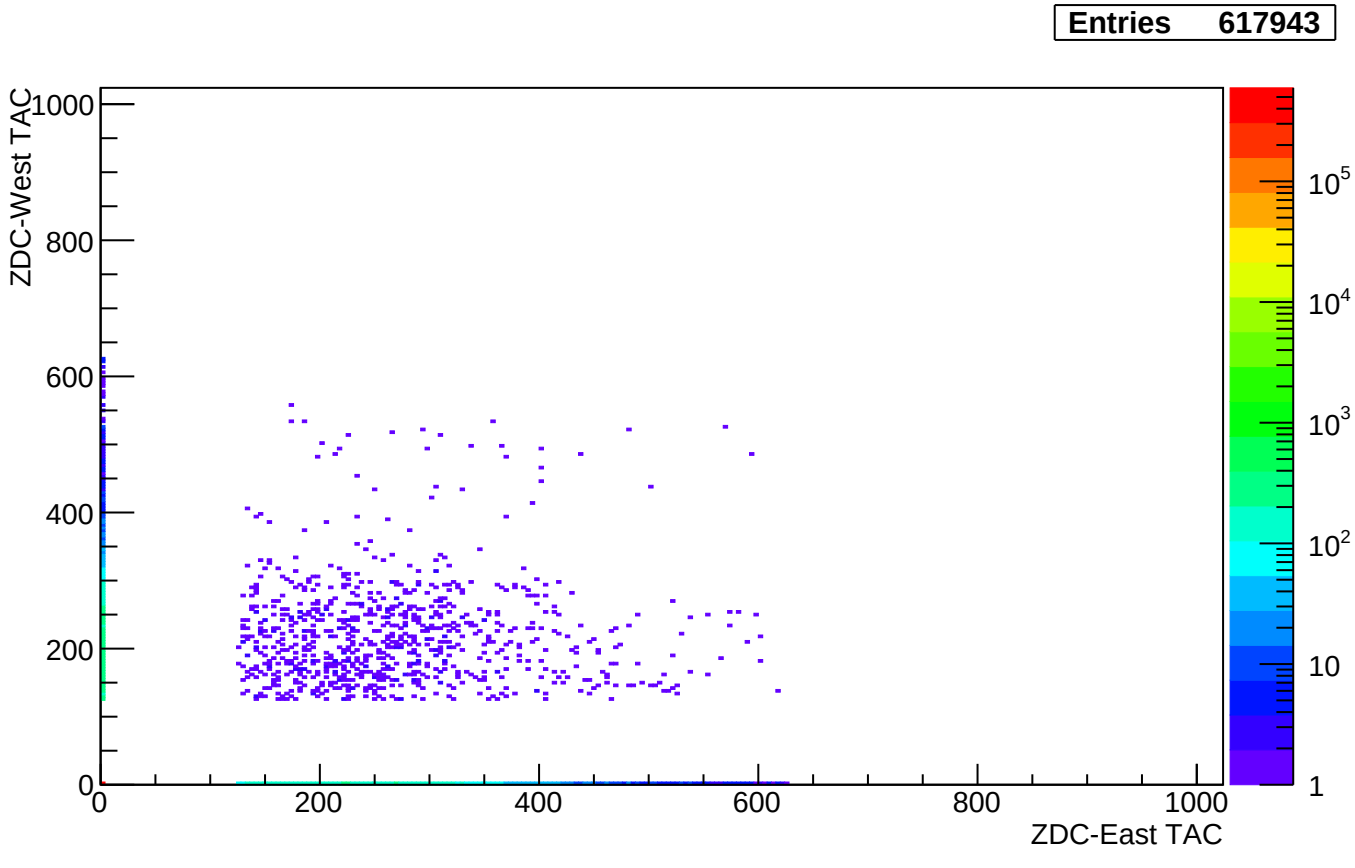

Entries 617943
TOF-Mult
VPD-East ADC Sum

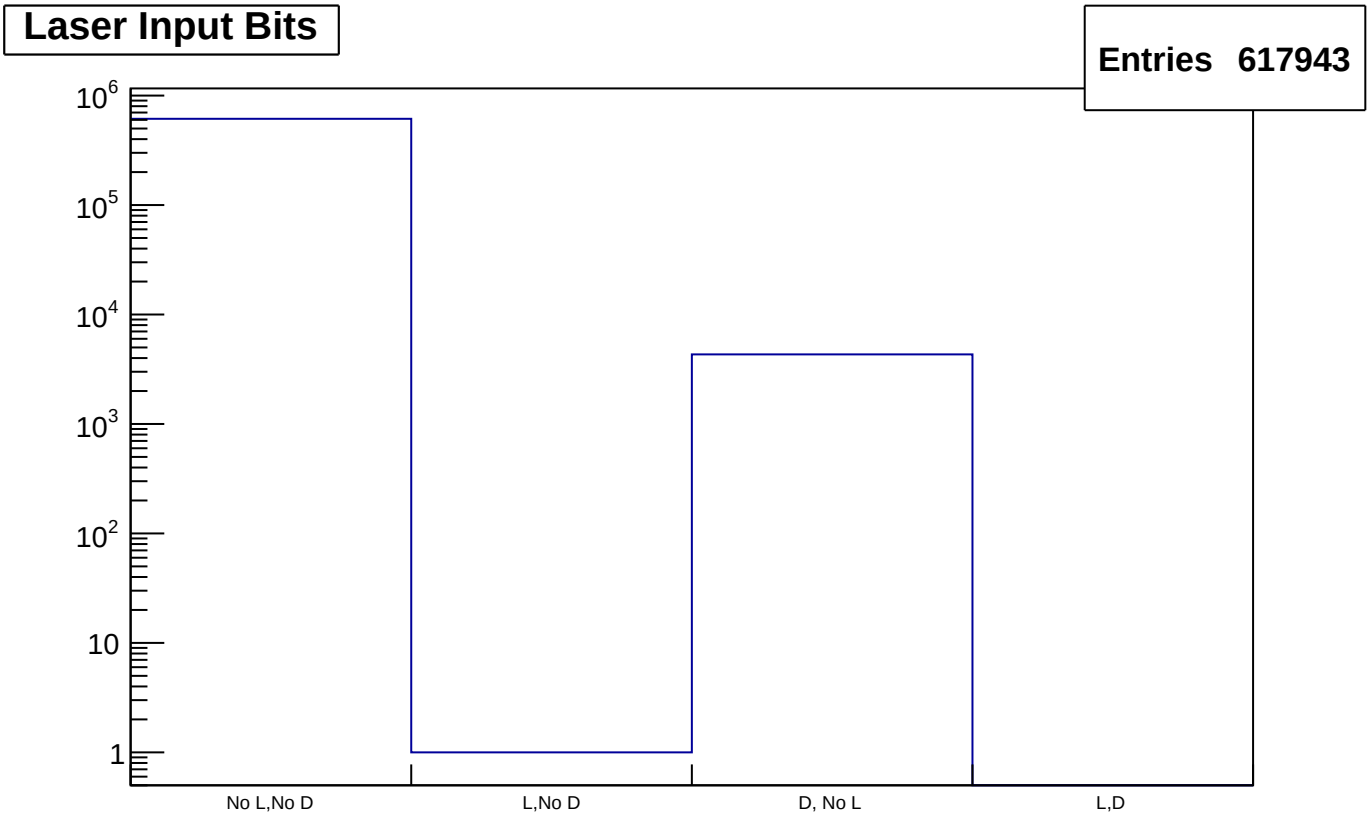

Entries 617943
TOF-Mult
VPD-West ADC Sum

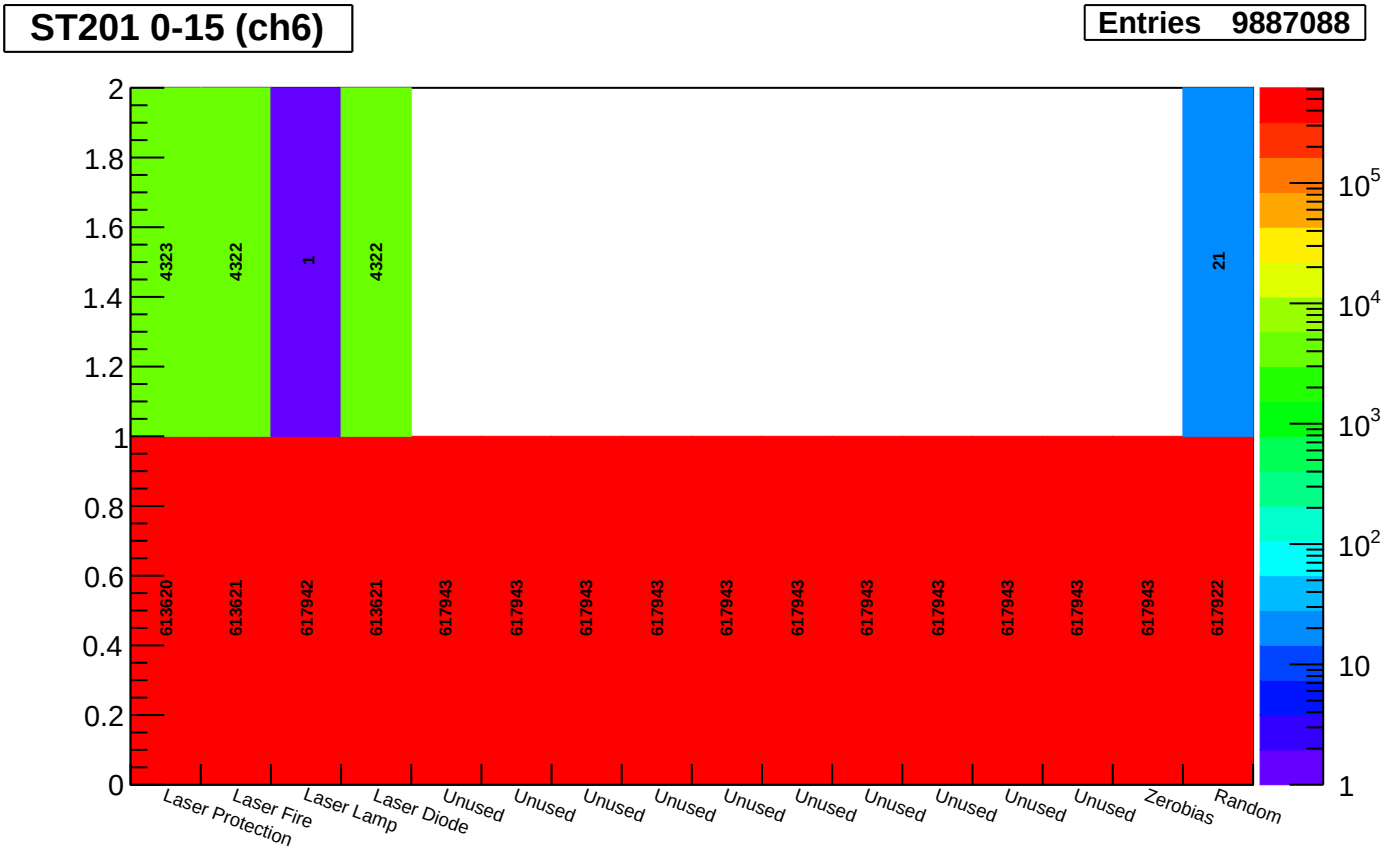

Entries 617943
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

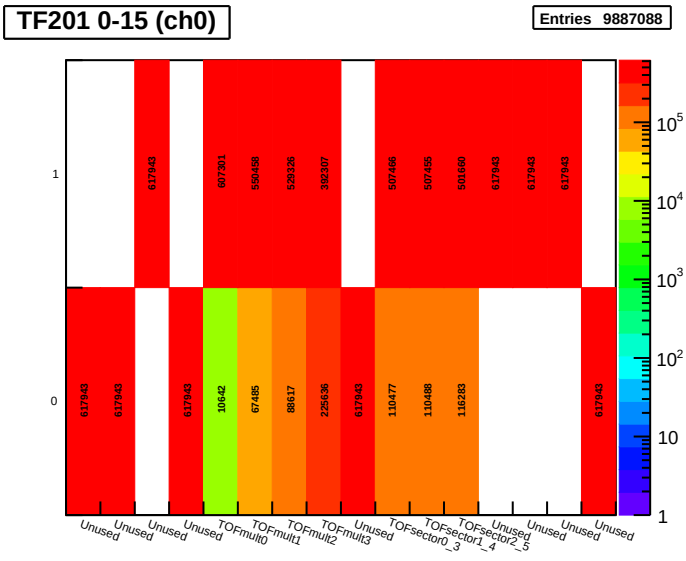

Entries 617943
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

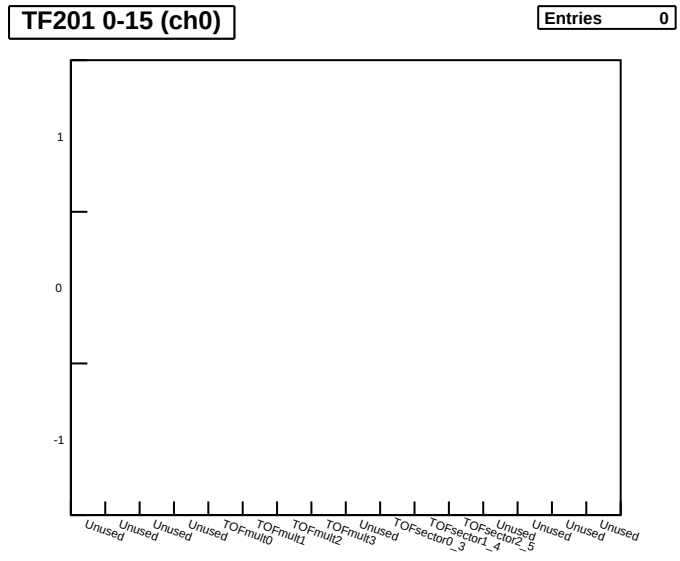

Entries 617943
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

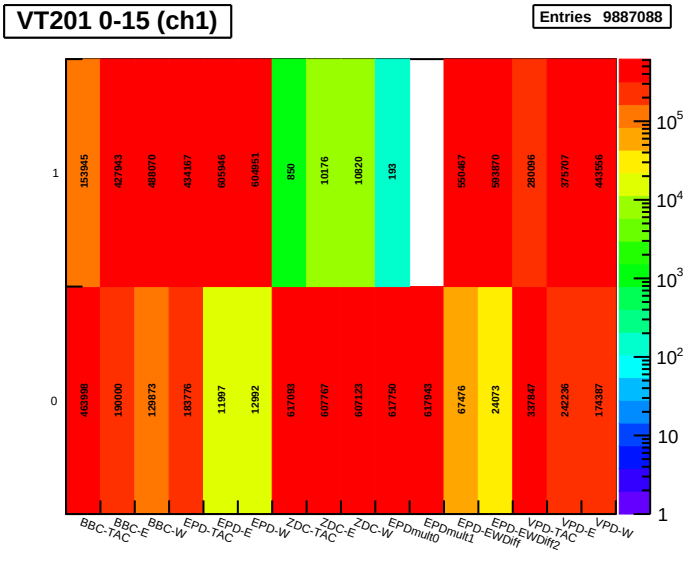

Entries 617943
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1

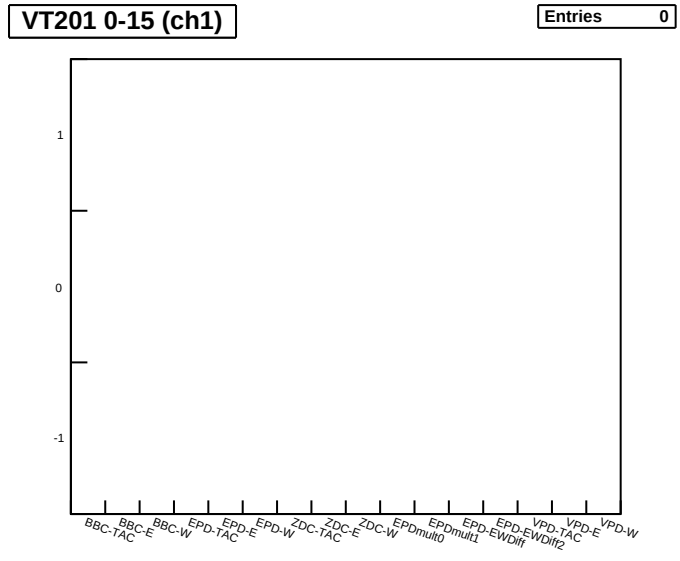

Laser Input Bits
Entries 617943
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

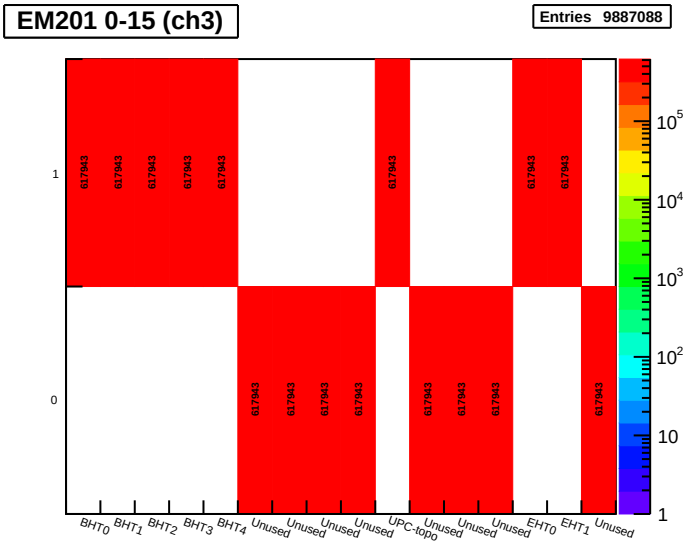

ST201 0-15 (ch6)
Entries 9887088
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4323
4322
1
4322
21
613620
613621
617942
613621
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617922
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

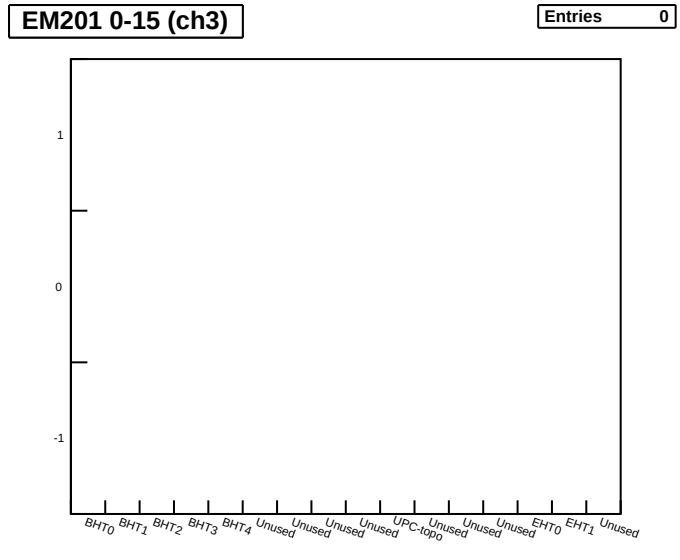

TF201 0-15 (ch0)
Entries 9887088
1
0
617943
607301
550458
529326
392307
507466
507455
501660
617943
617943
617943
617943
617943
10642
67485
88617
225636
617943
110477
110488
116283
617943
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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
Unused


VT201 0-15 (ch1)
Entries 9887088
1
0
153945
427943
428070
434167
605946
604951
850
10176
10820
133
550467
593870
280096
375707
443556
463998
190000
129873
183776
11997
12992
617093
607767
607123
617750
617943
67476
24073
337647
242236
174387
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 9887088
1
0
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
617943
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