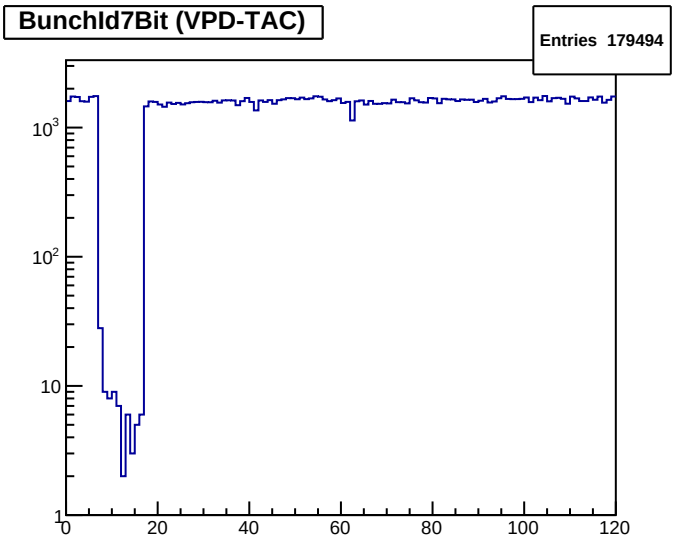
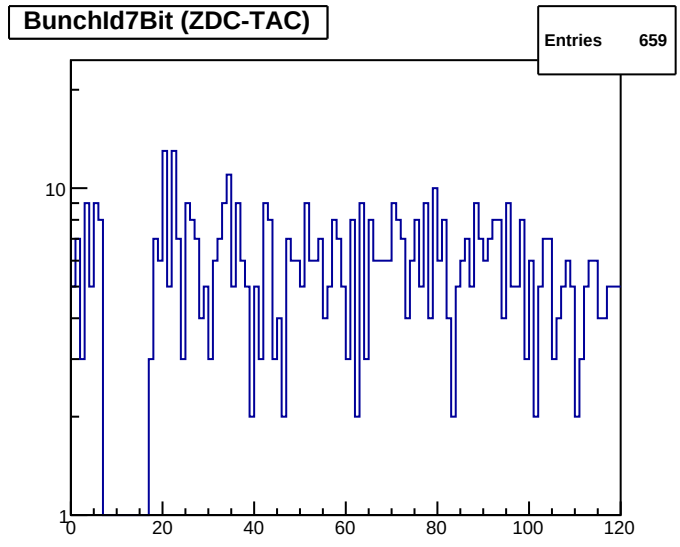
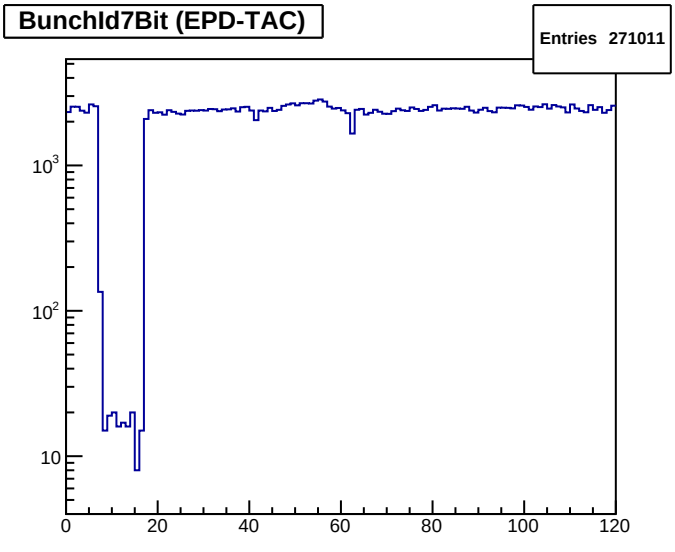
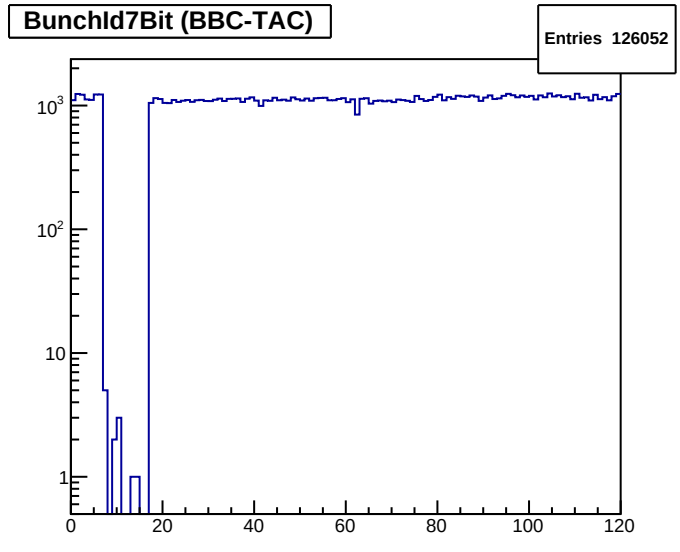
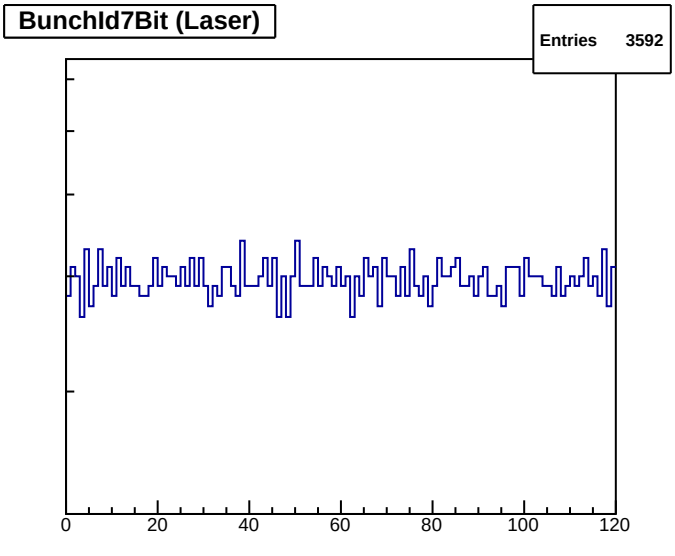
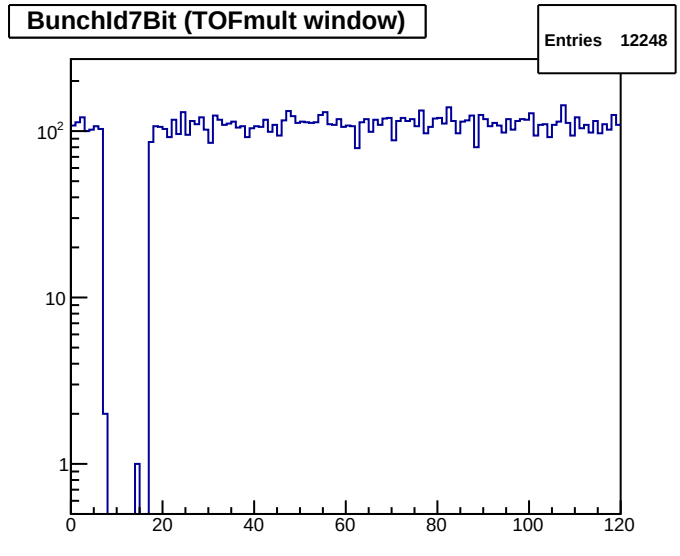

BunchId7Bit (VPD-TAC)
Entries 179494
10^3
10^2
10
1
0
20
40
60
80
100
120

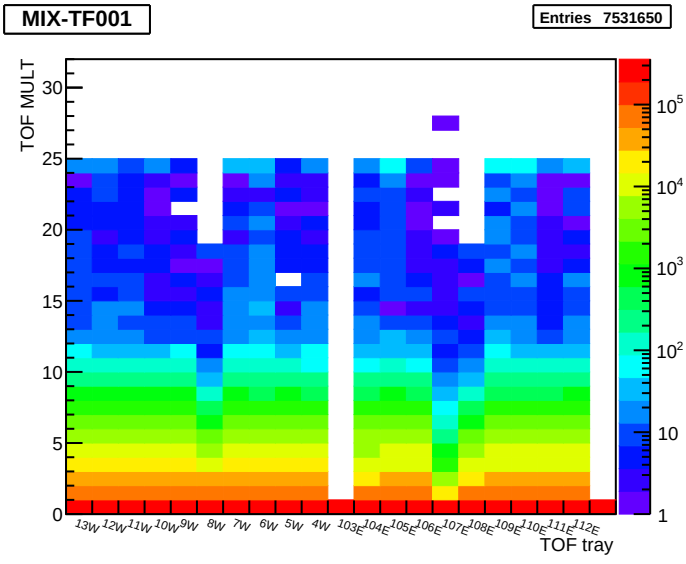

BunchId7Bit (ZDC-TAC)
Entries 659
10
1
0
20
40
60
80
100
120

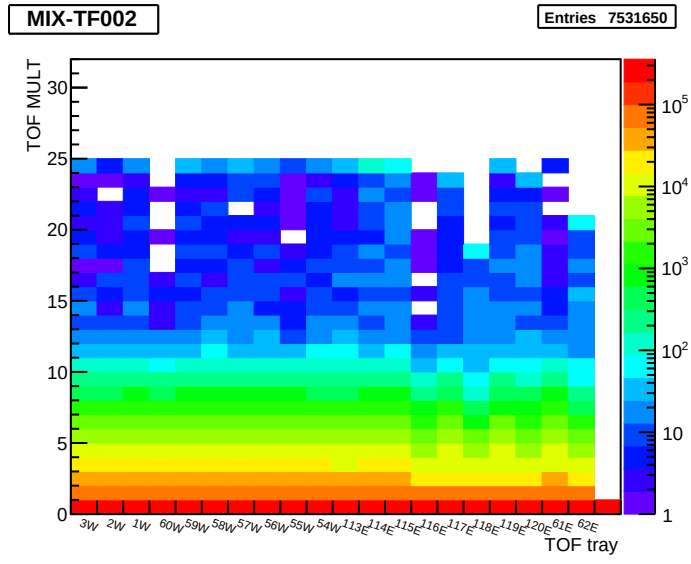

BunchId7Bit (EPD-TAC)
Entries 271011
10^3
10^2
10
0
20
40
60
80
100
120

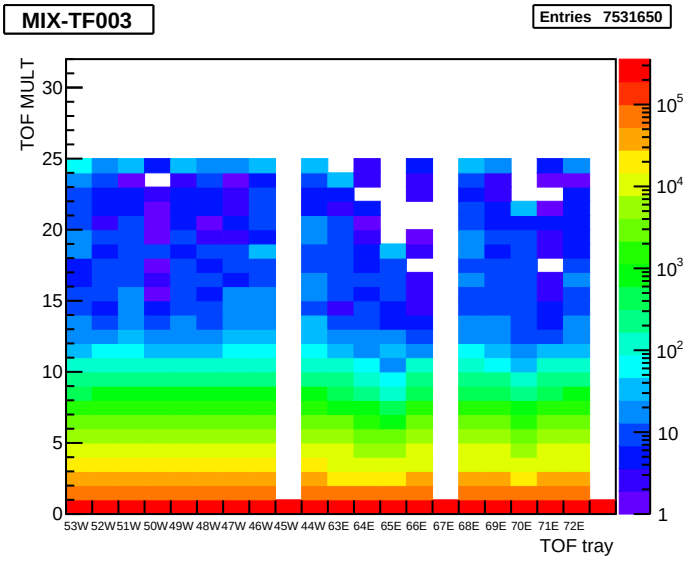

BunchId7Bit (BBC-TAC)
Entries 126052
10^3
10^2
10
1
0
20
40
60
80
100
120

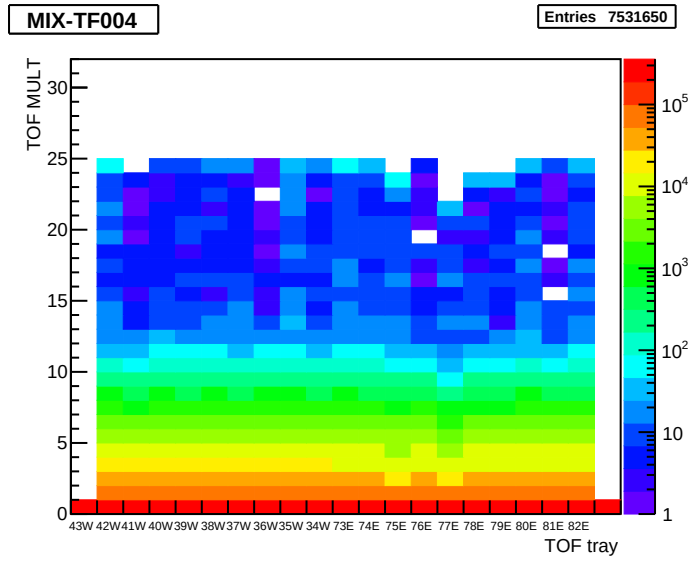

BunchId7Bit (Laser)
Entries 3592
0
20
40
60
80
100
120

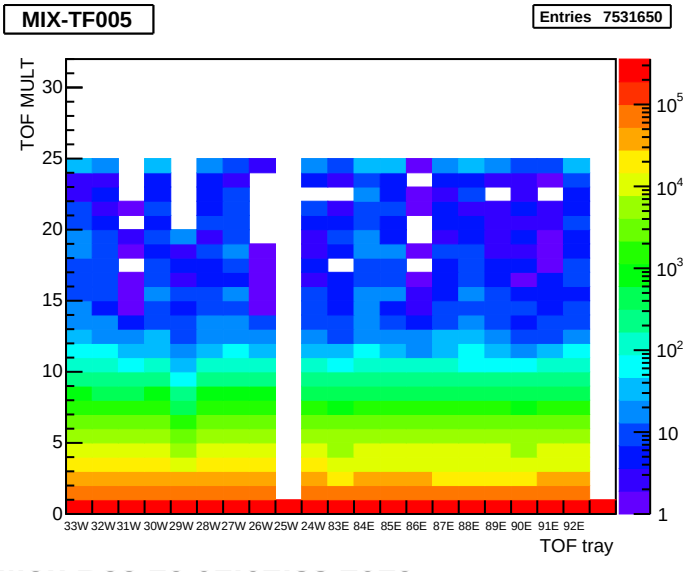

BunchId7Bit (TOFmult window)
Entries 12248
10^2
10
1
0
20
40
60
80
100
120

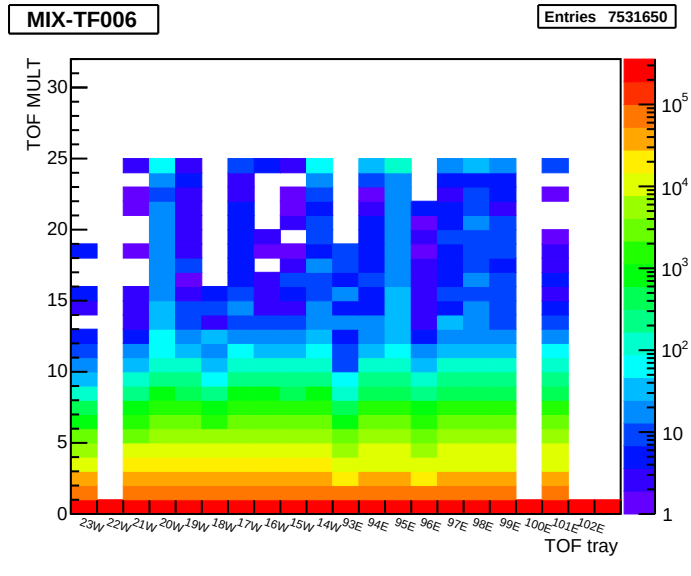

MIX-TF001
Entries 7531650
TOF MULT
TOF tray

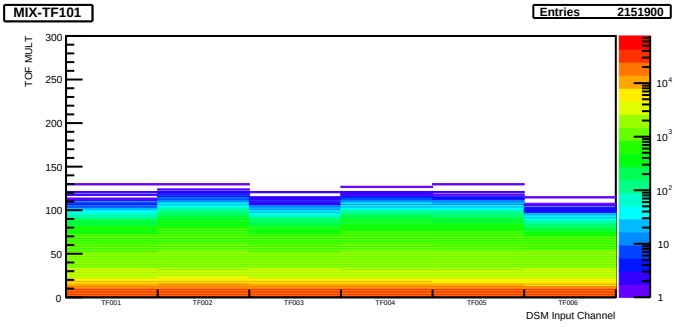

MIX-TF002
Entries 7531650
TOF MULT
TOF tray

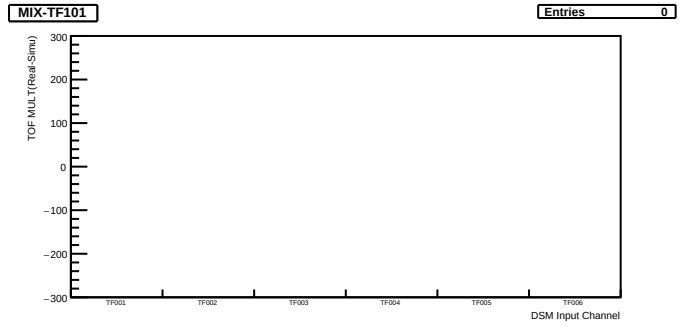

MIX-TF003
Entries 7531650
TOF MULT
TOF tray

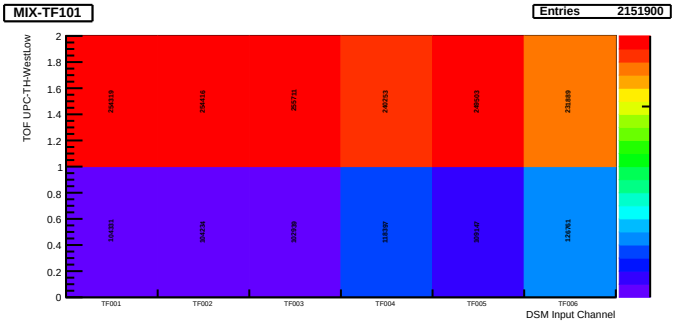

MIX-TF004
Entries 7531650
TOF MULT
TOF tray

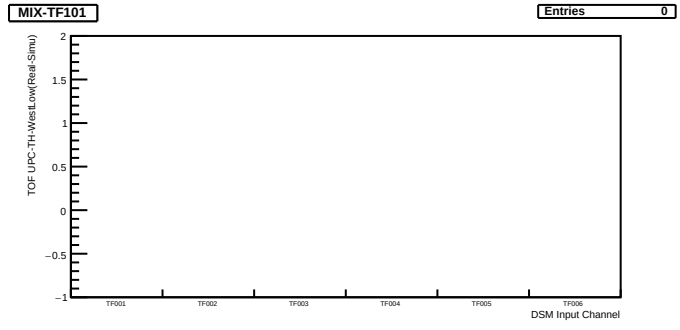

MIX-TF005
Entries 7531650
TOF MULT
TOF tray

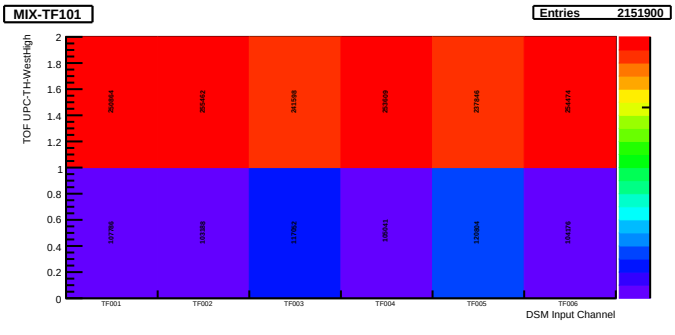

MIX-TF006
Entries 7531650
TOF MULT
TOF tray

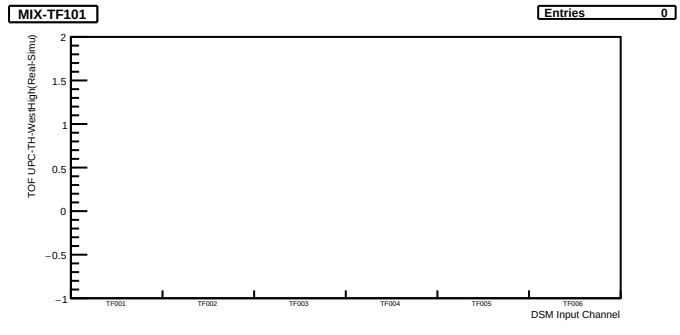

MIX-TF101
Entries 2151900
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

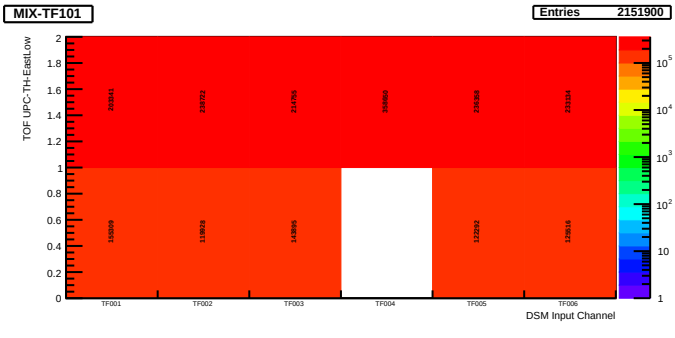

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

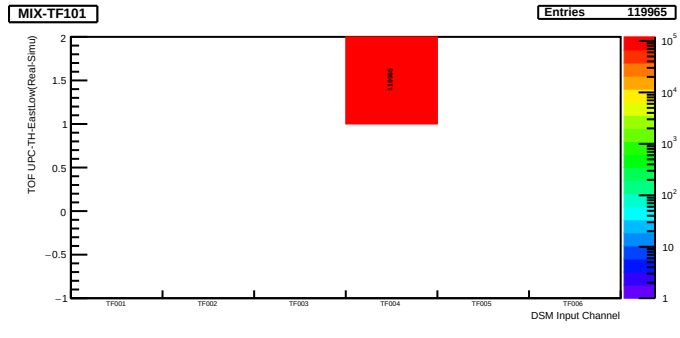

MIX-TF101
Entries 2151900
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

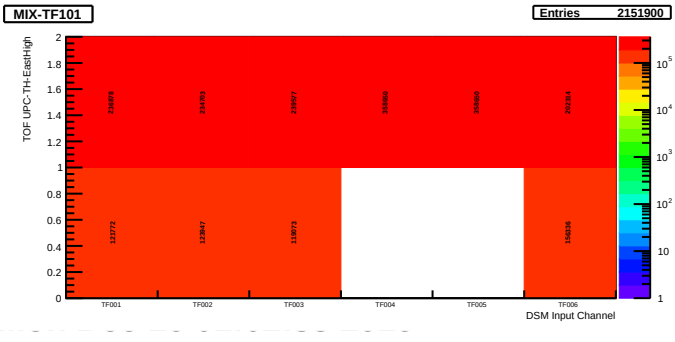

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

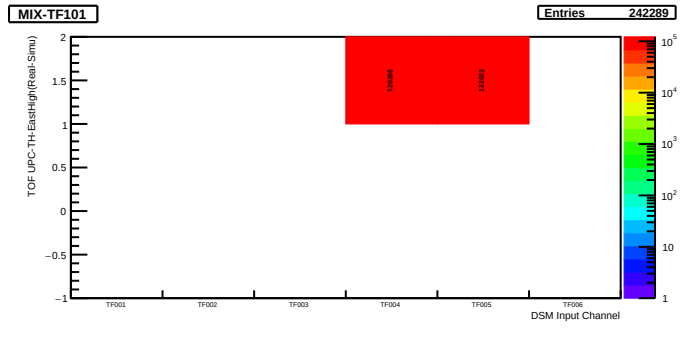

MIX-TF101
Entries 2151900
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

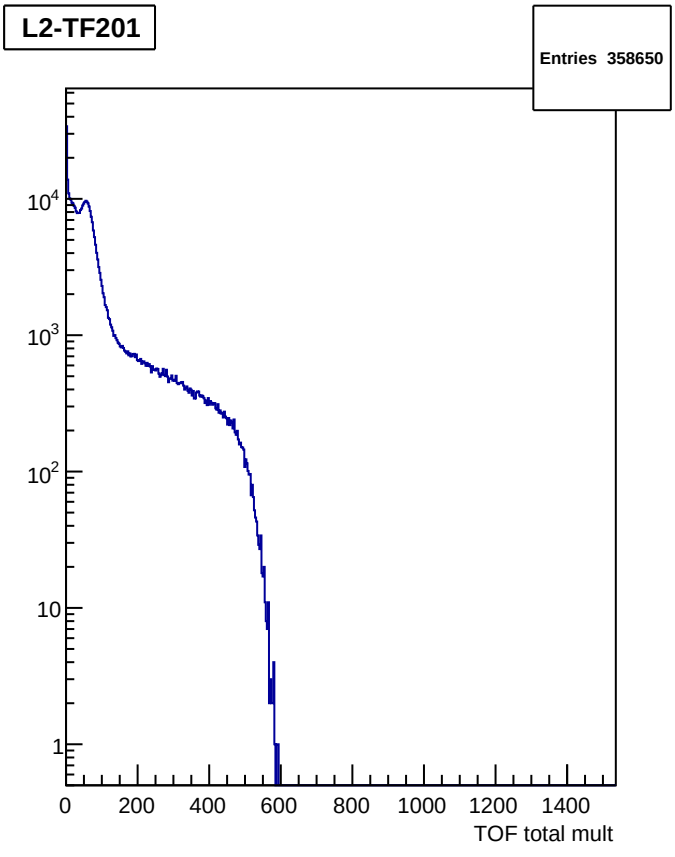

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

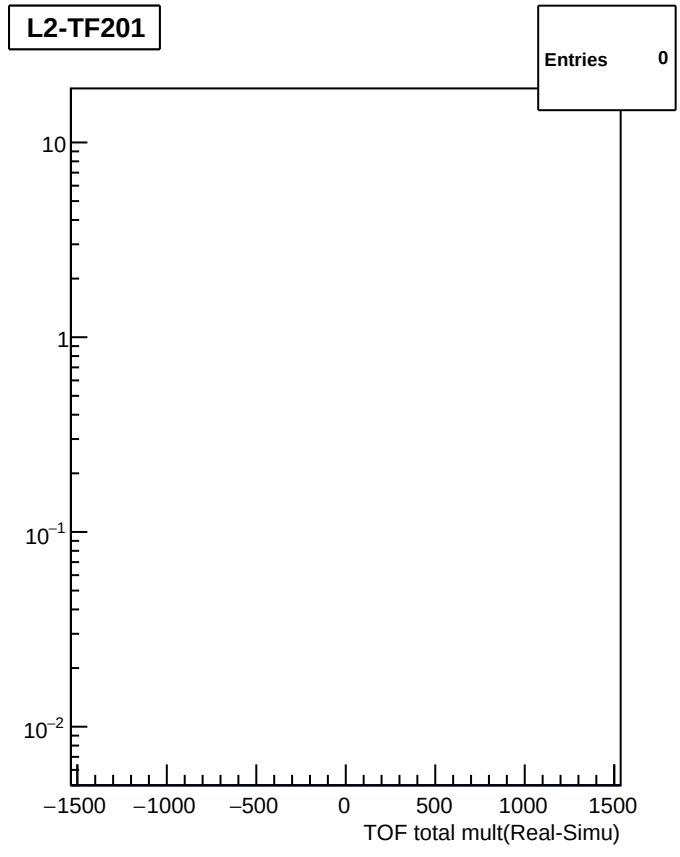

MIX-TF101
Entries 2151900
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

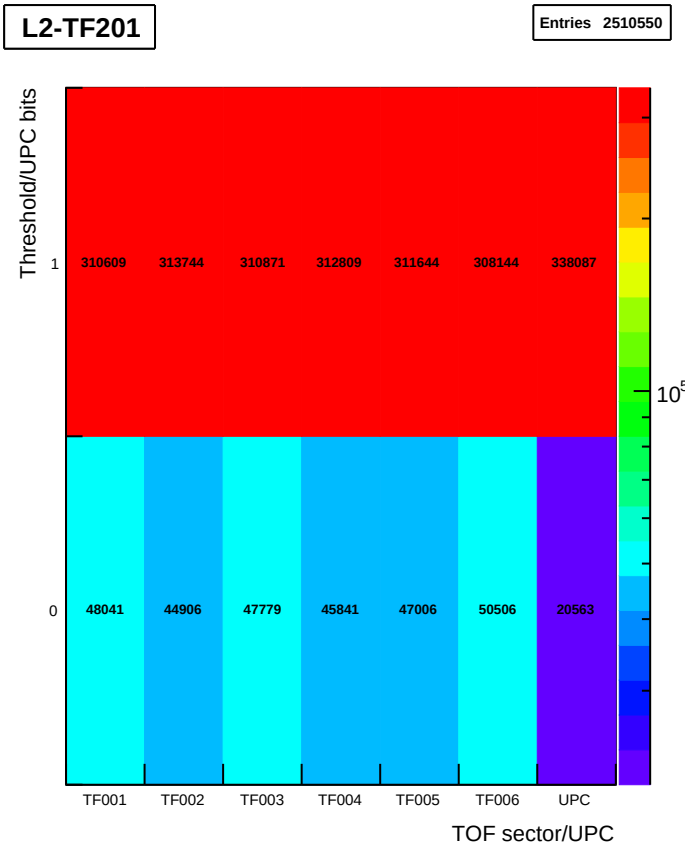

MIX-TF101
Entries 119965
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

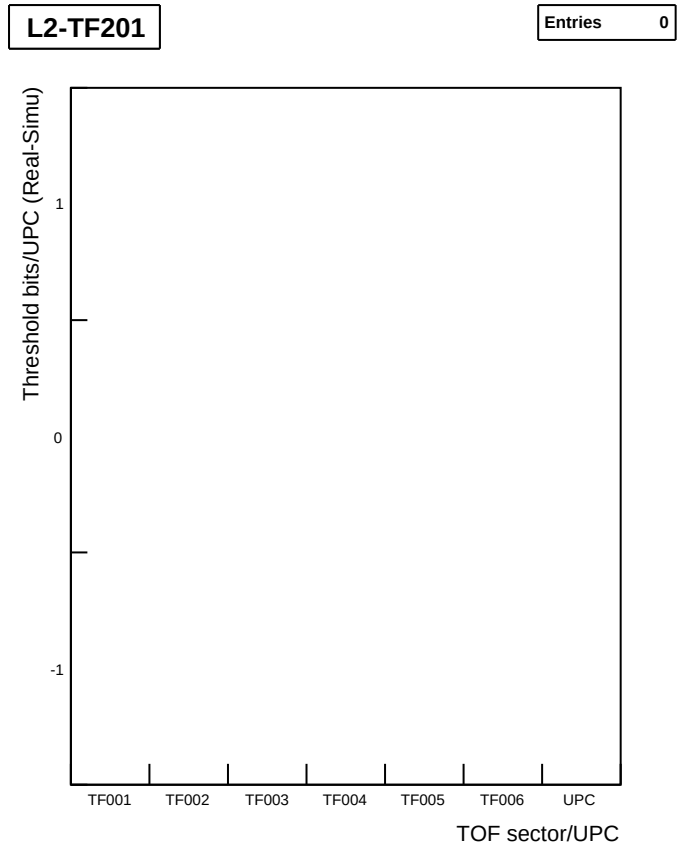

MIX-TF101
Entries 2151900
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

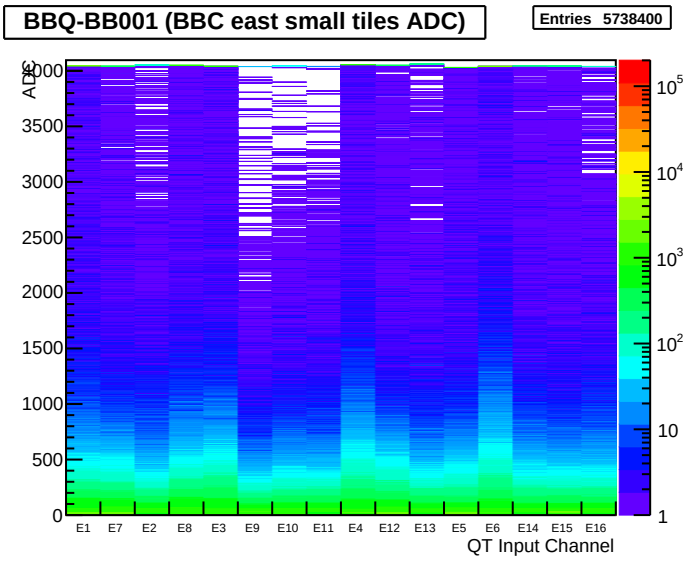

MIX-TF101
Entries 242289
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

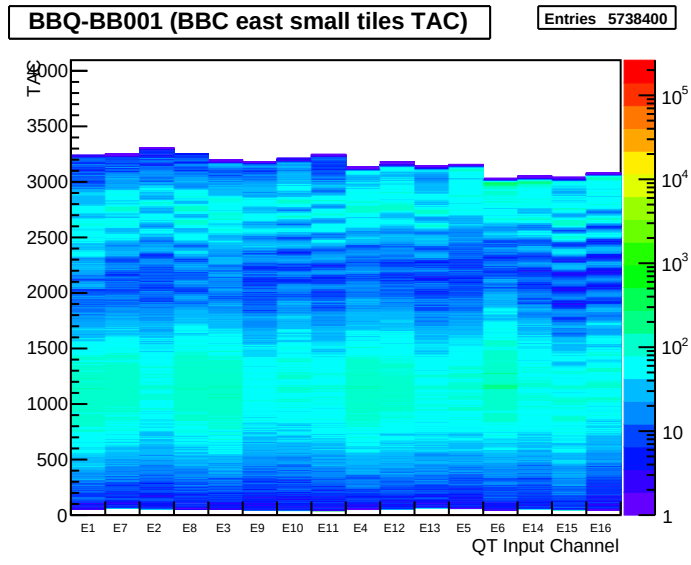

L2-TF201
Entries 358650
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

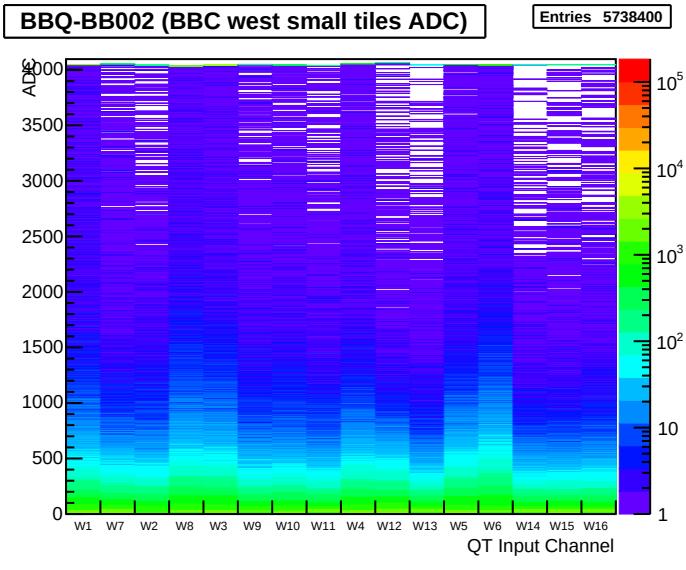

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

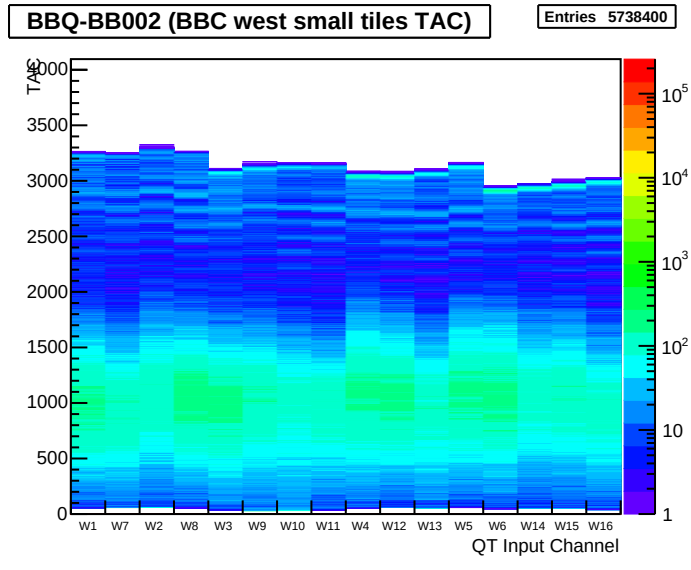

L2-TF201
Entries 2510550
Threshold/UPC bits
1
0
310609
313744
310871
312809
311644
308144
338087
48041
44906
47779
45841
47006
50506
20563
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

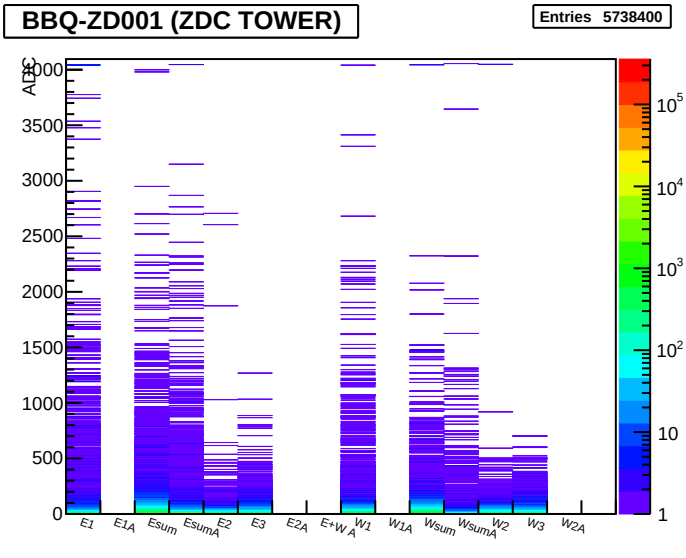

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

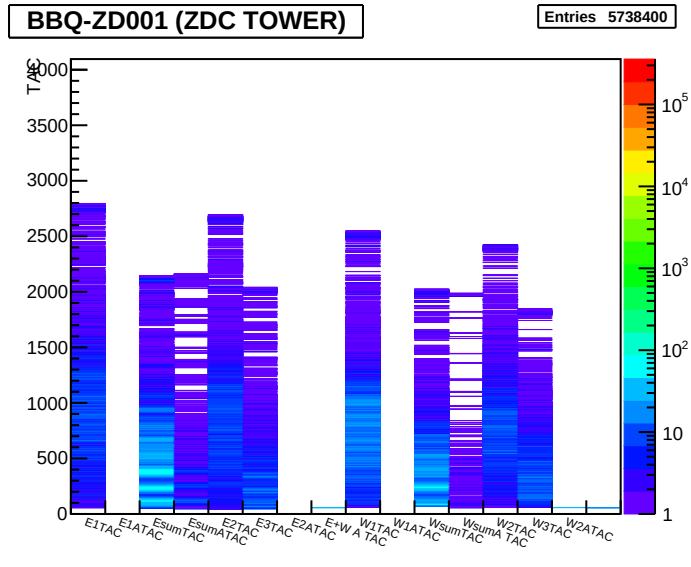

BBQ-BB001 (BBC east small tiles ADC)
Entries 5738400
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

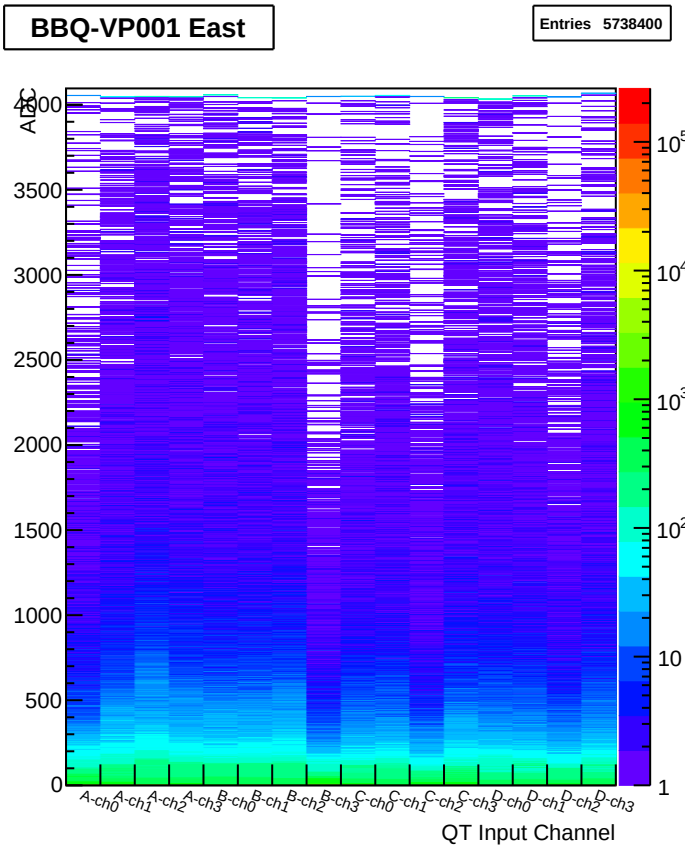

BBQ-BB001 (BBC east small tiles TAC)
Entries 5738400
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

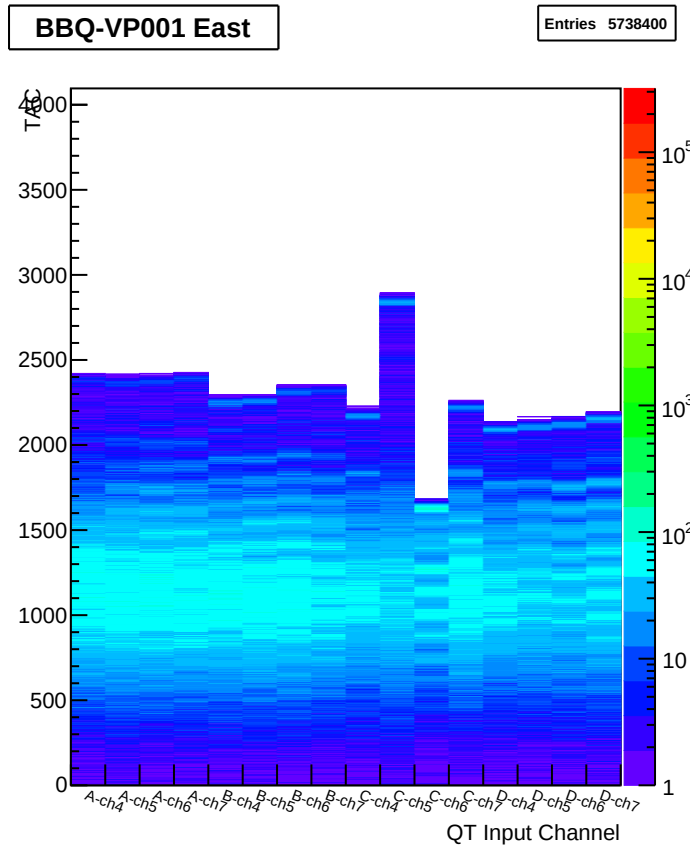

BBQ-BB002 (BBC west small tiles ADC)
Entries 5738400
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

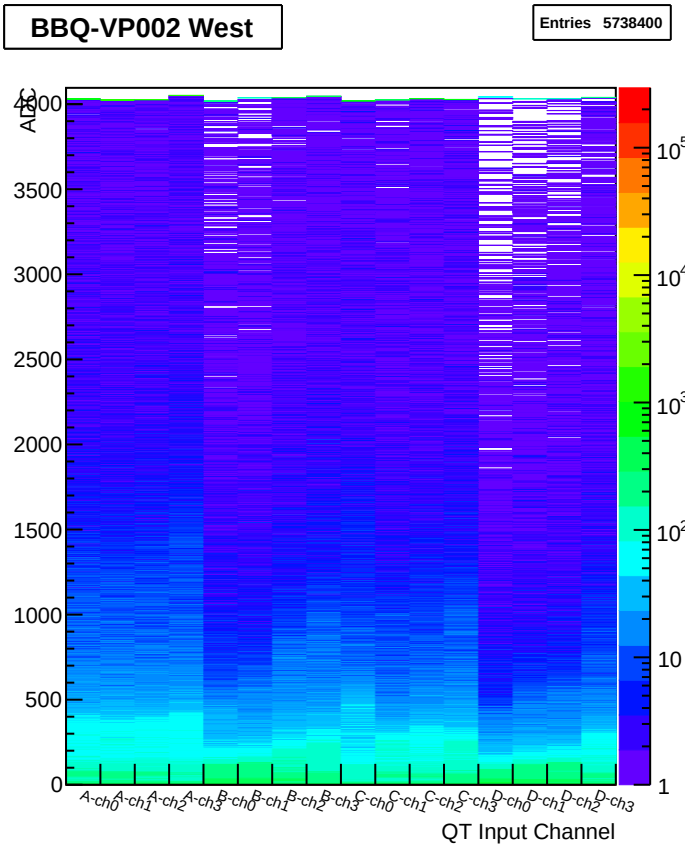

BBQ-BB002 (BBC west small tiles TAC)
Entries 5738400
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

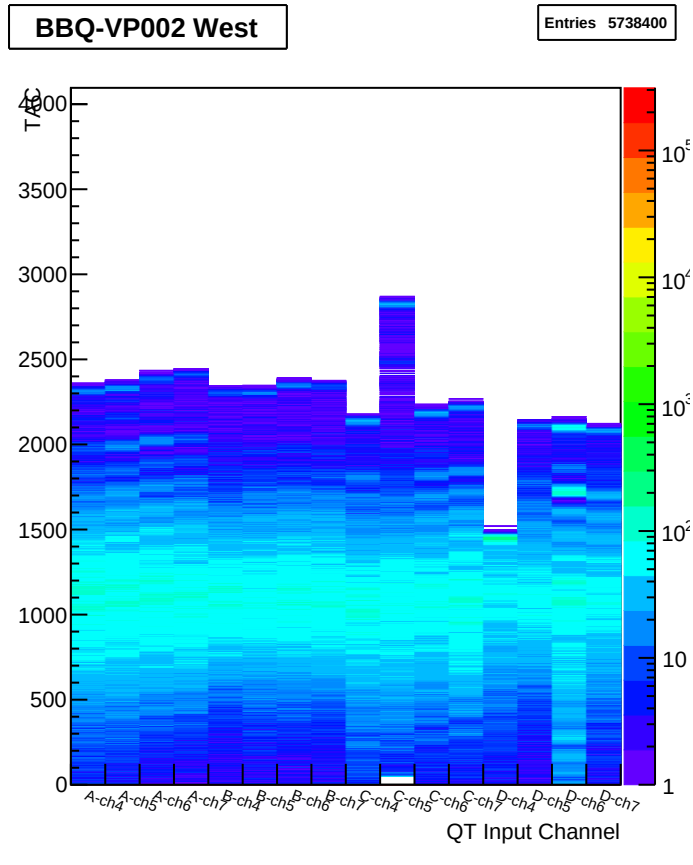

BBQ-ZD001 (ZDC TOWER)
Entries 5738400
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

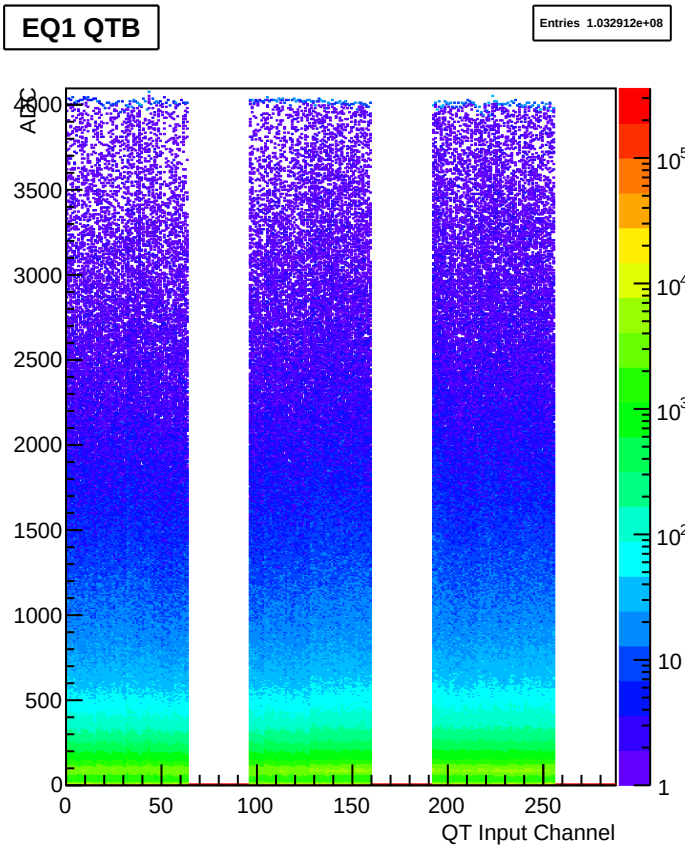

BBQ-ZD001 (ZDC TOWER)
Entries 5738400
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

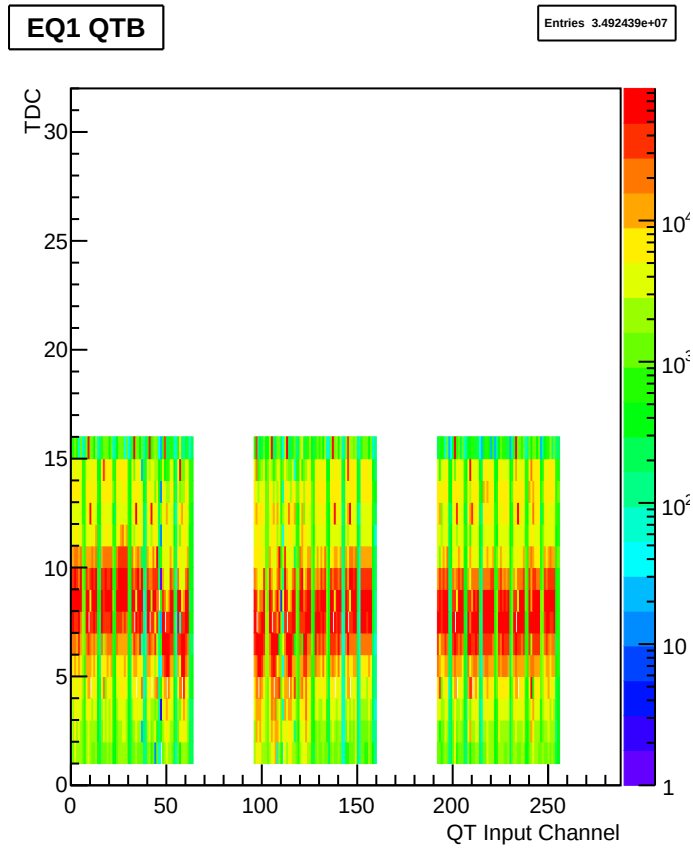

BBQ-VP001 East
Entries 5738400
ADC
QT Input Channel

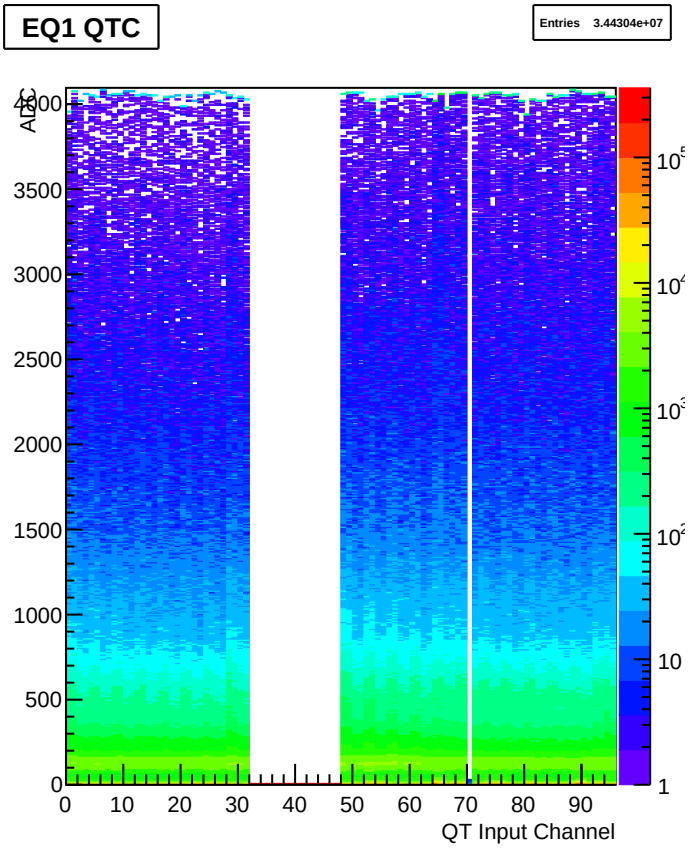

BBQ-VP001 East
Entries 5738400
ADC
QT Input Channel

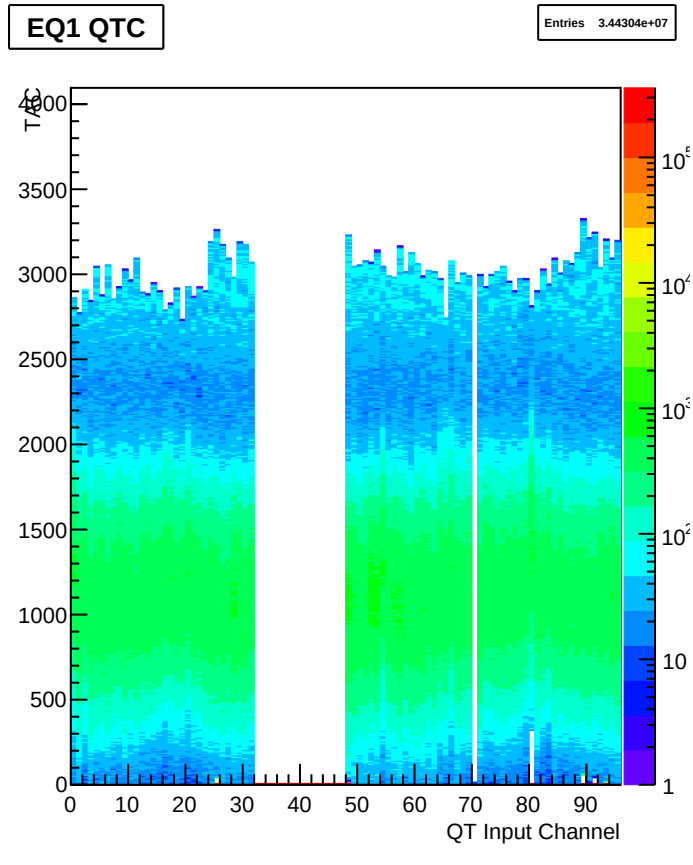

BBQ-VP002 West
Entries 5738400
ADC
QT Input Channel

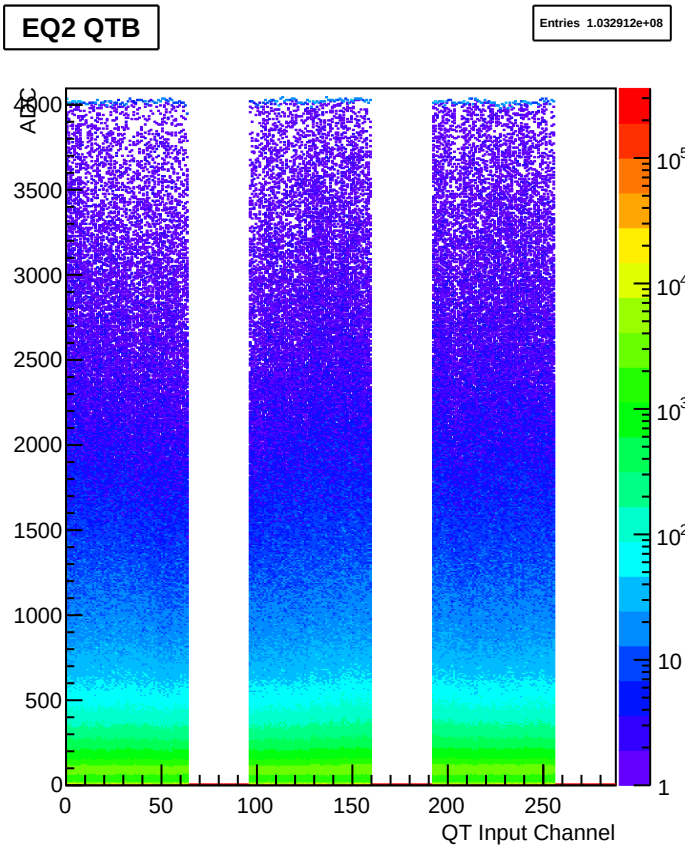

BBQ-VP002 West
Entries 5738400
ADC
QT Input Channel

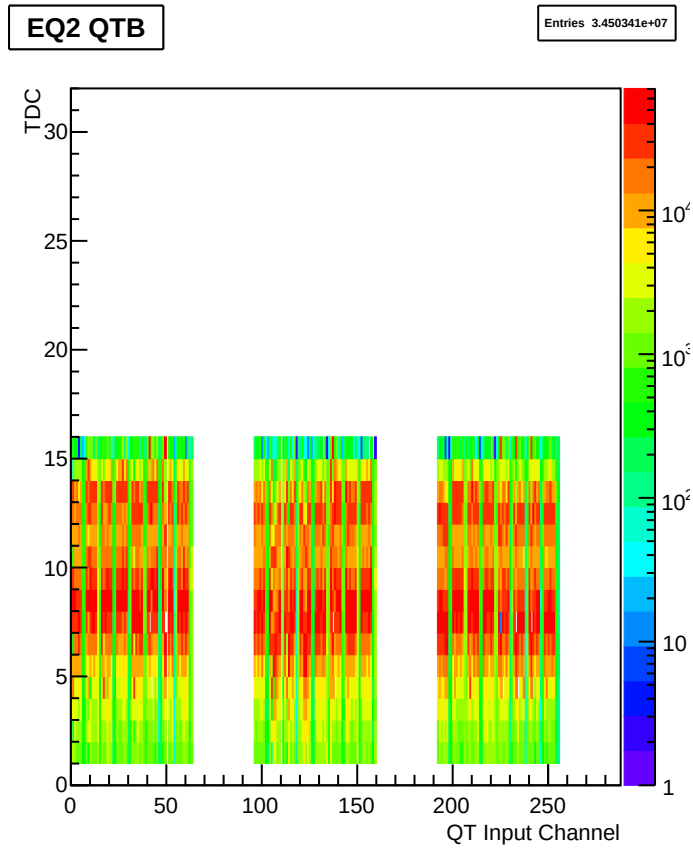

EQ1 QTB
Entries 1.032912e+08
ADC
QT Input Channel

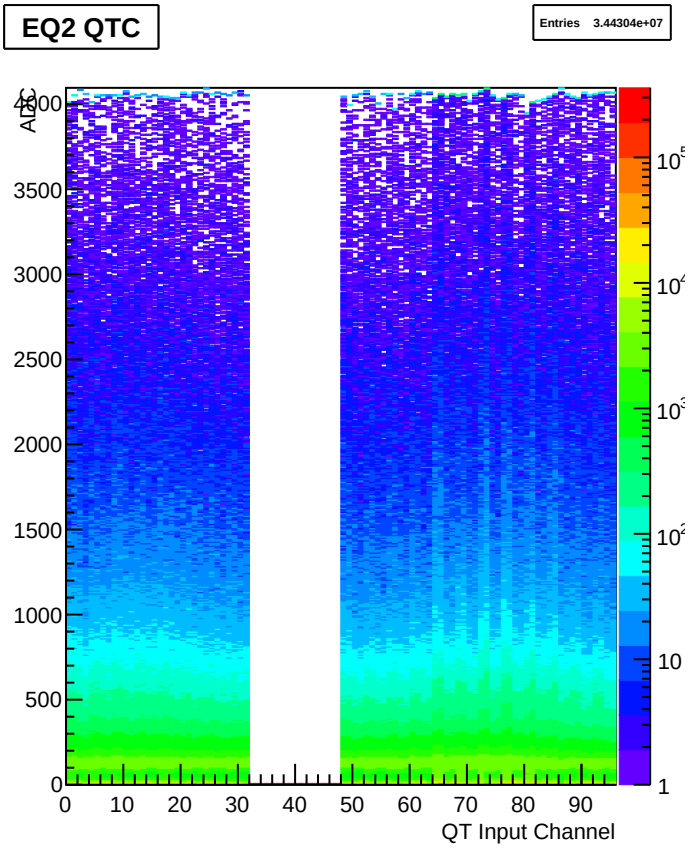

EQ1 QTB
Entries 3.492439e+07
TDC
QT Input Channel

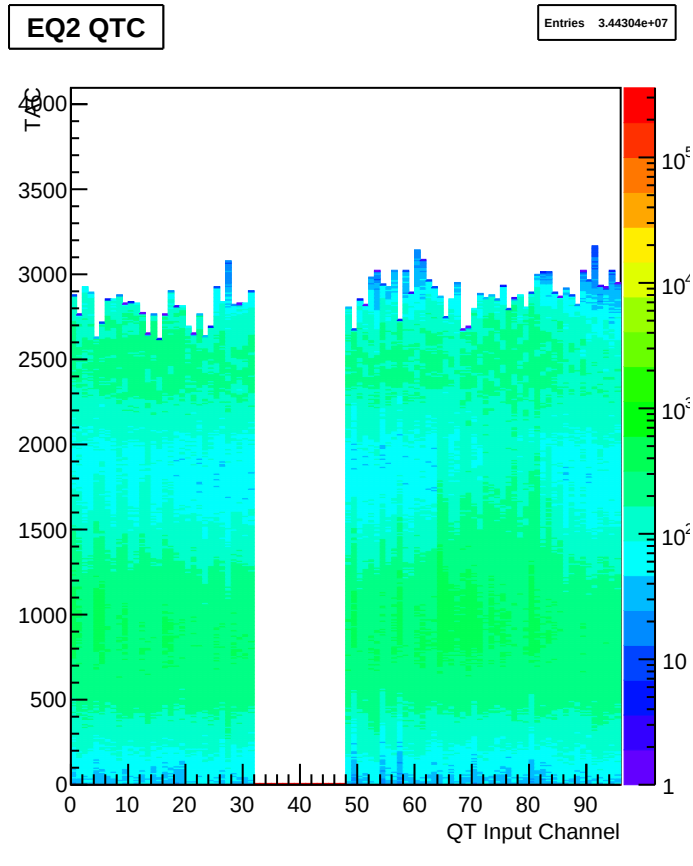

EQ1 QTC
Entries 3.44304e+07
ADC
QT Input Channel

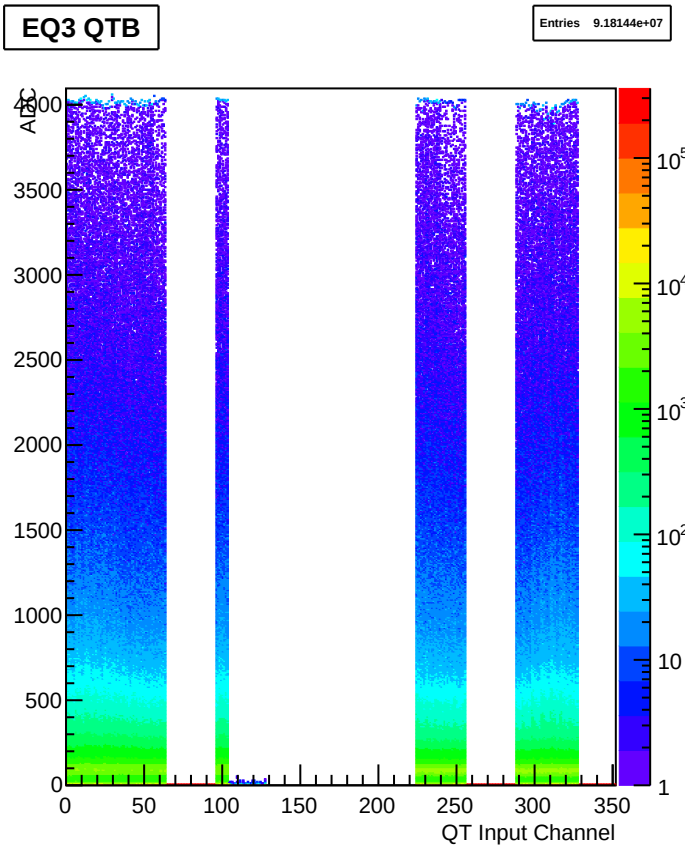

EQ1 QTC
Entries 3.44304e+07
TADC
QT Input Channel

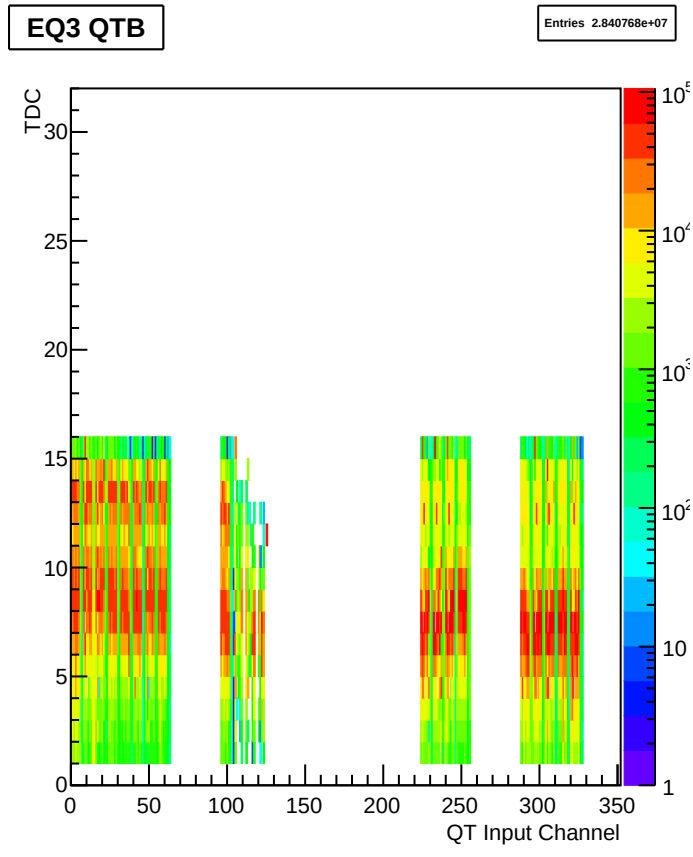

EQ2 QTB
Entries 1.032912e+08
ADC
QT Input Channel

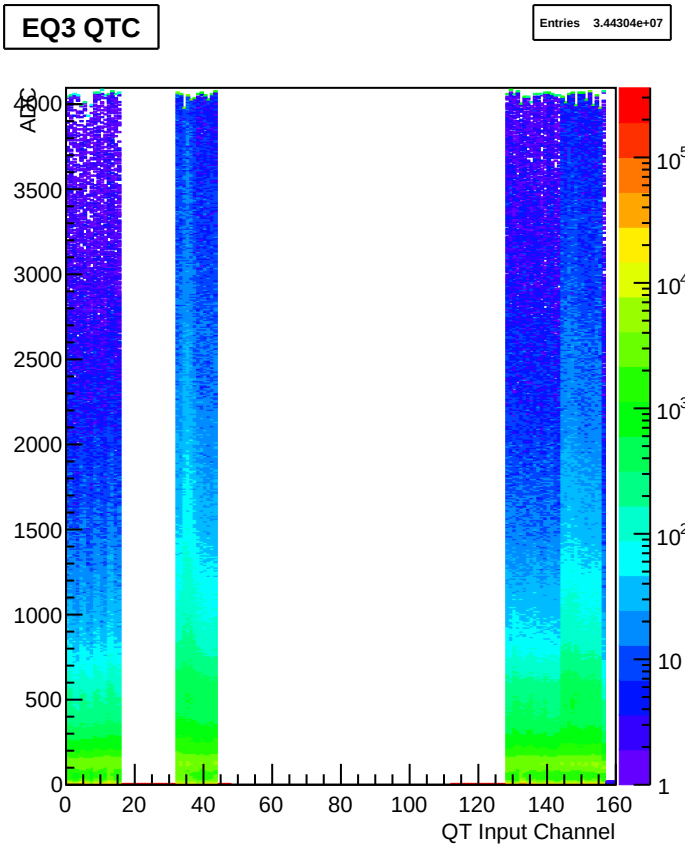

EQ2 QTB
Entries 3.450341e+07
TDC
QT Input Channel

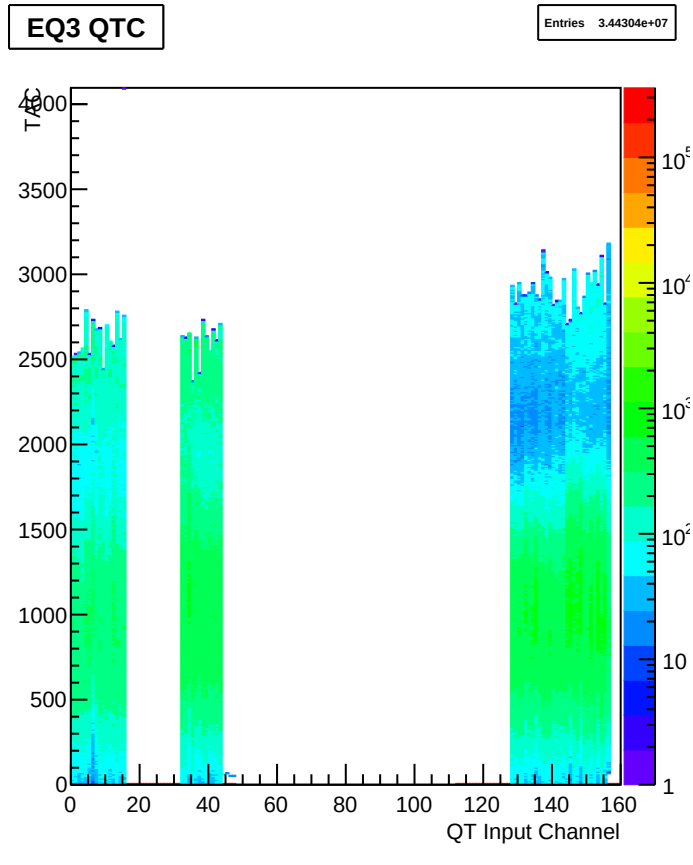

EQ2 QTC
Entries 3.44304e+07
ADC
QT Input Channel

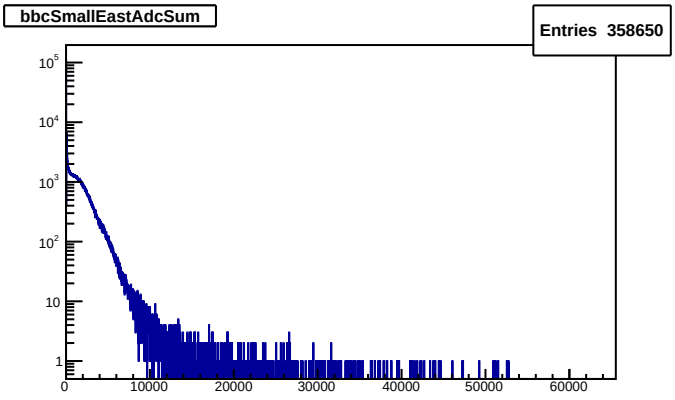

EQ2 QTC
Entries 3.44304e+07
TADC
QT Input Channel

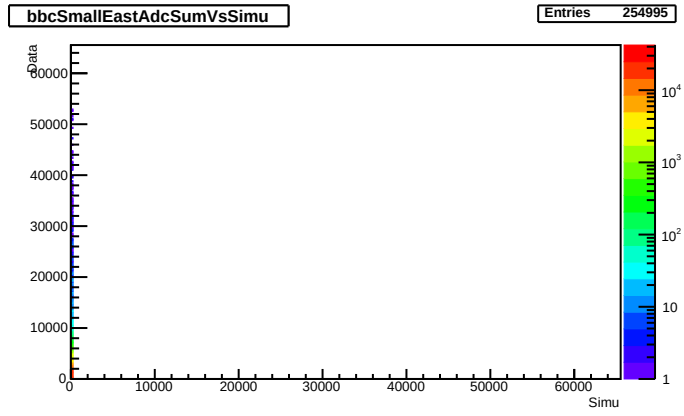

EQ3 QTB
Entries 9.18144e+07
ADC
QT Input Channel

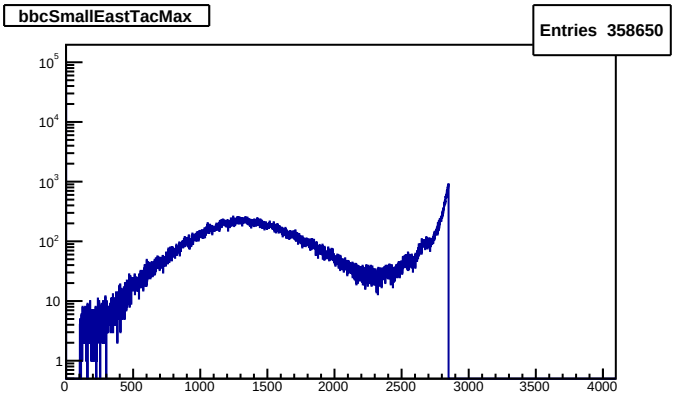

EQ3 QTB
Entries 2.840768e+07
TDC
QT Input Channel

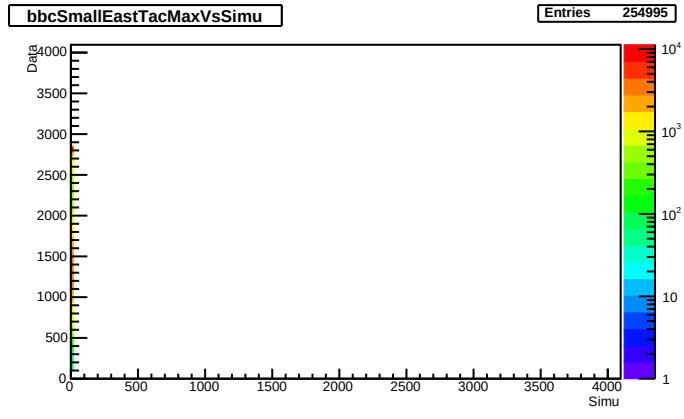

EQ3 QTC
Entries 3.44304e+07
ADC
QT Input Channel

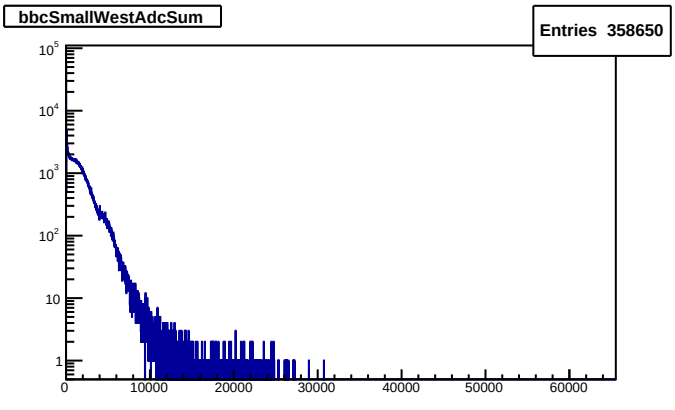

EQ3 QTC
Entries 3.44304e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 358650


bbcSmallEastAdcSumVsSimu
Entries 254995
Data
Simu


bbcSmallEastTacMax
Entries 358650


bbcSmallEastTacMaxVsSimu
Entries 254995
Data
Simu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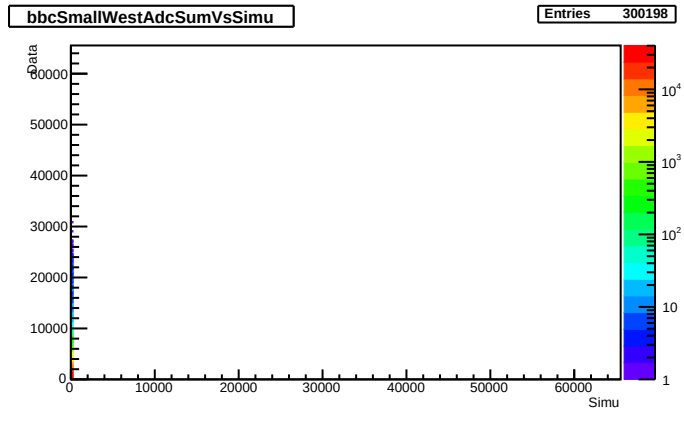
Entries 358650


bbcSmallWestAdcSumVsSimu
Entries 300198
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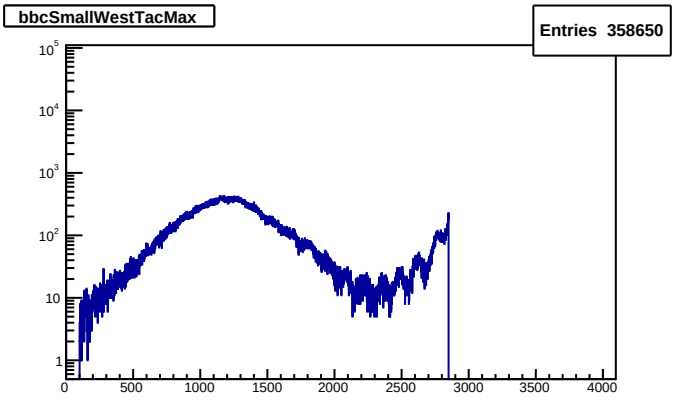
Simu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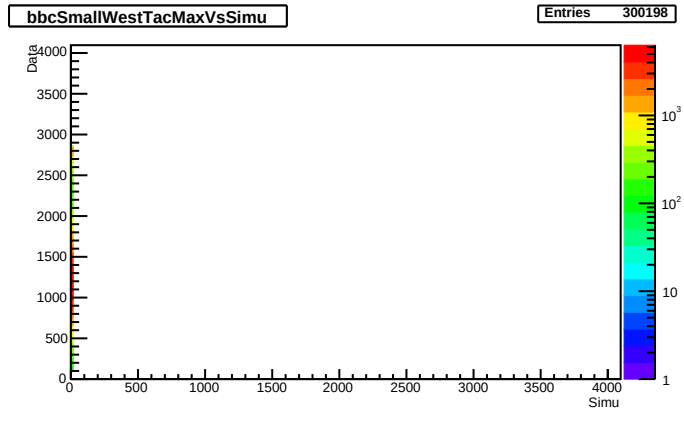
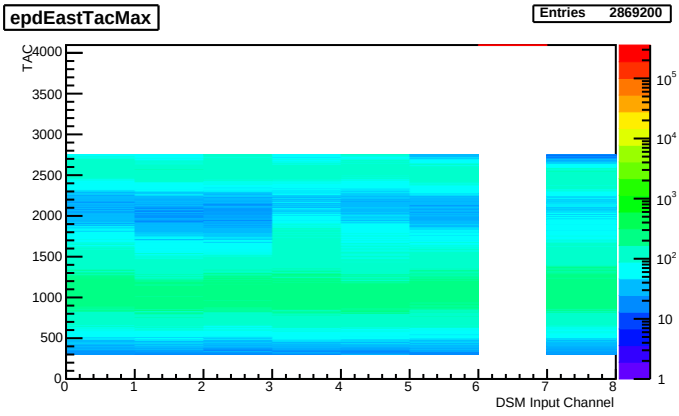
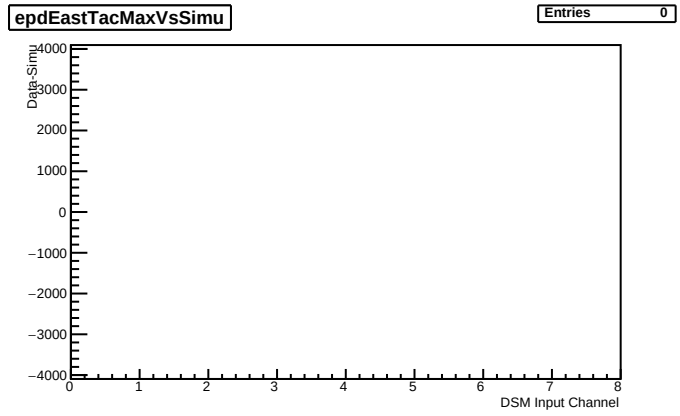

bbcSmallWestTacMaxVsSimu
Entries 300198
Data
Simu


epdEastTacMax
Entries 2869200
TAC
DSM Input Channel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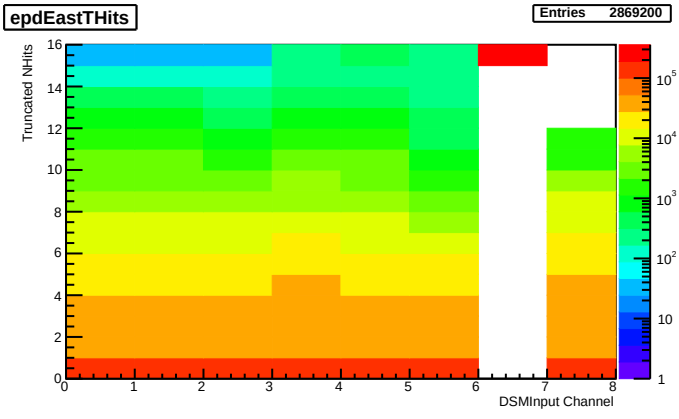
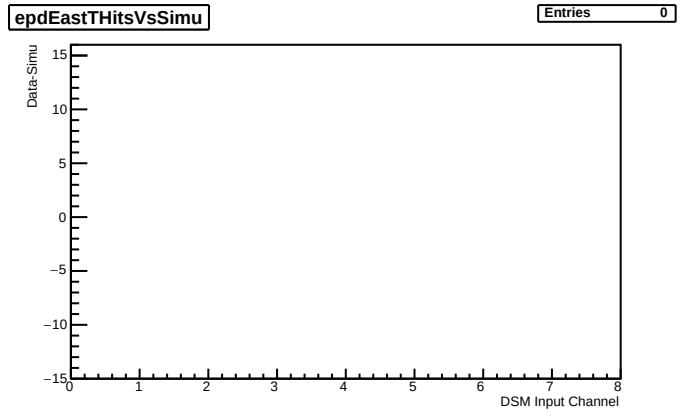
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2869200
Truncated NHits
DSMInput Channel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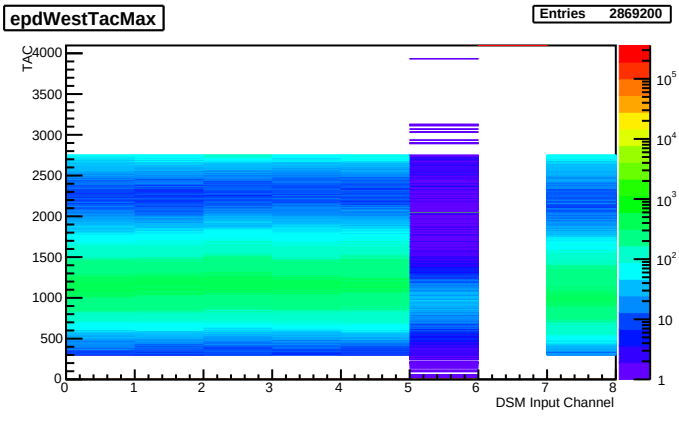
DSM Input Channel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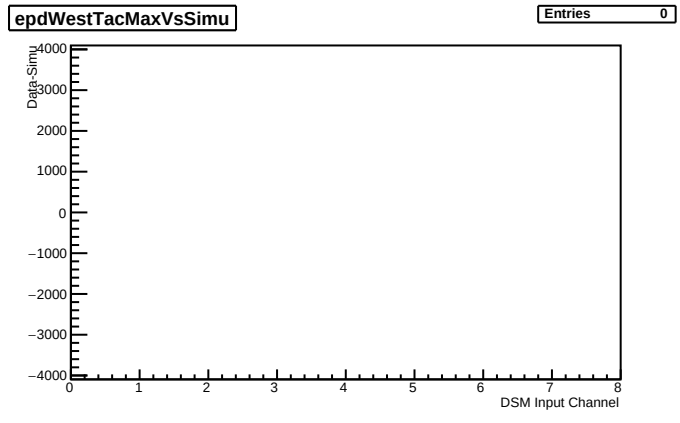
DSM Input Channel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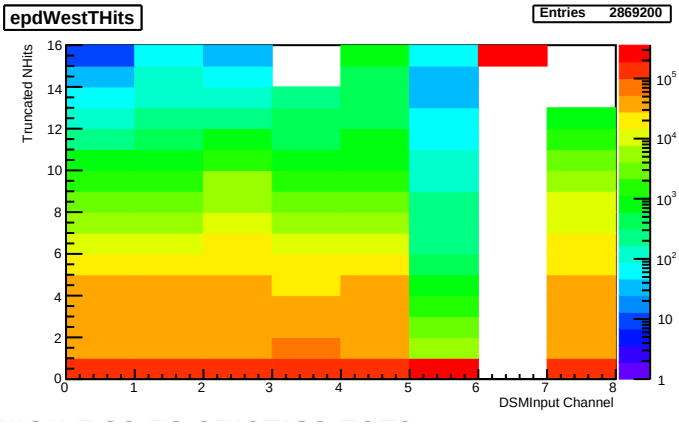
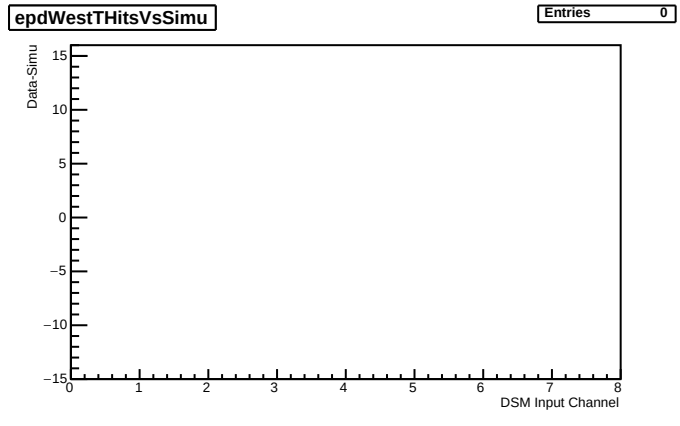
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2869200
Truncated NHits
DSMInput Channel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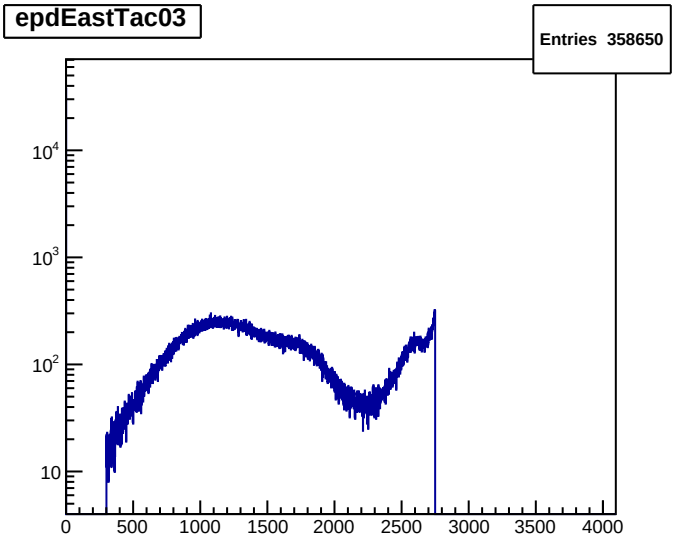
Entries 0
Data-Simu
DSM Input Channel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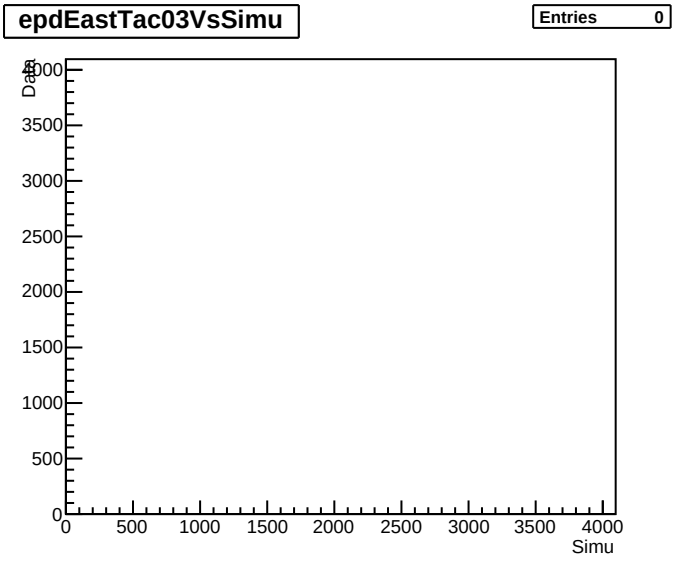
Entries 358650
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
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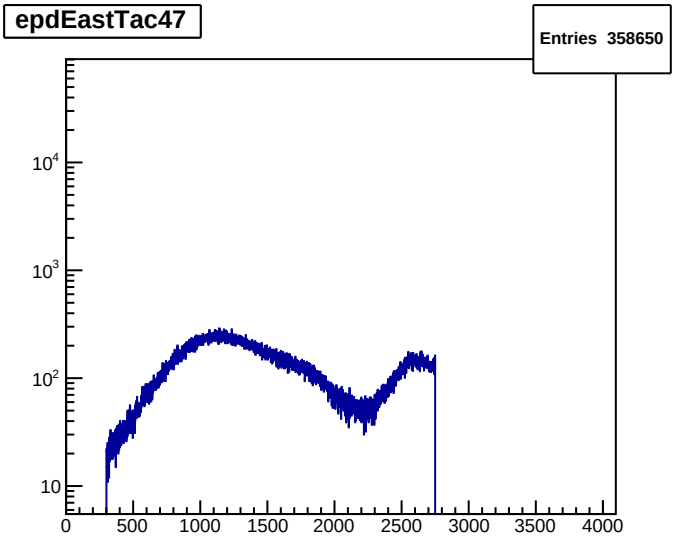
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 358650
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10^3
10^2
10
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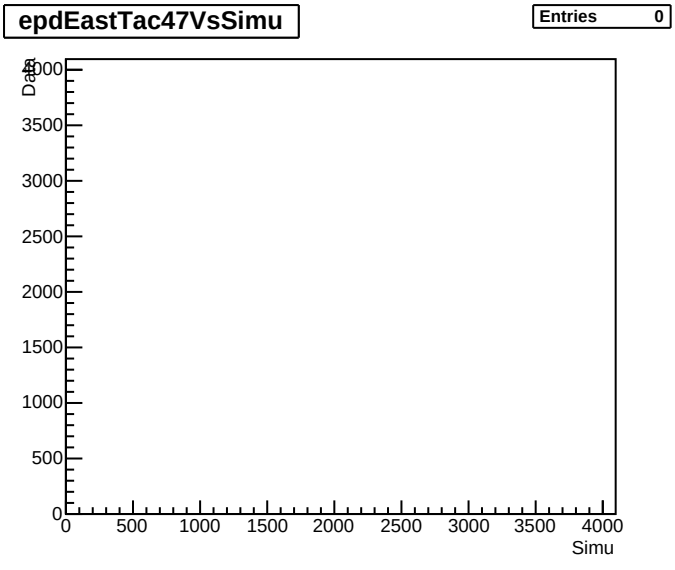
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Entries 0
Data
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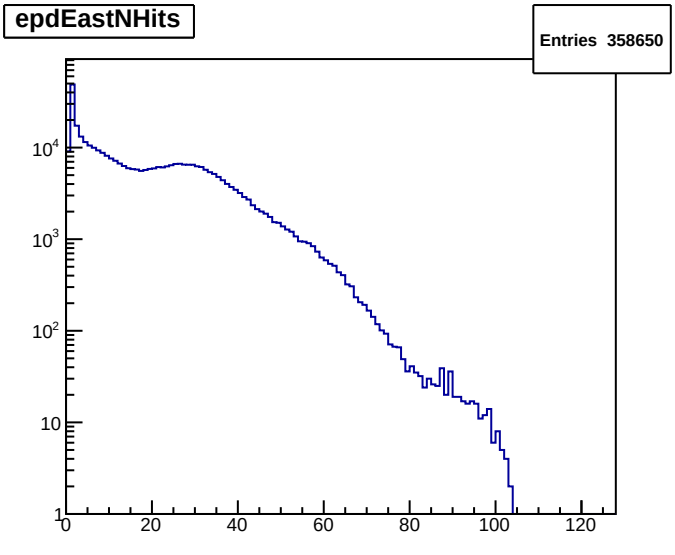
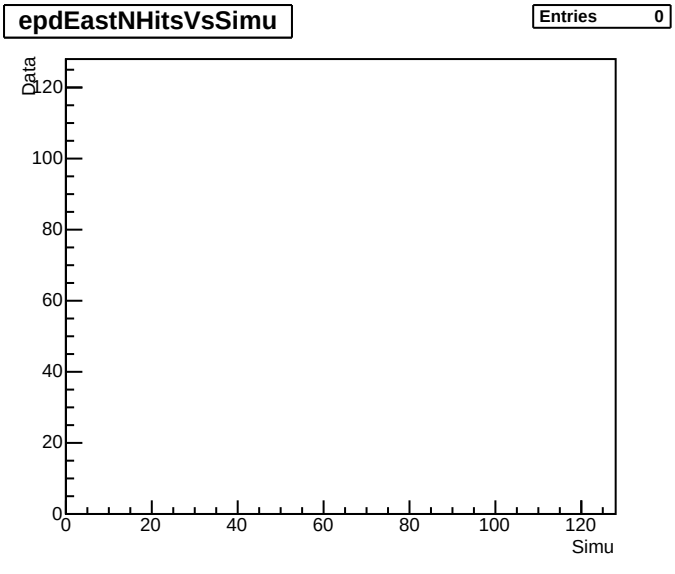
Simu


epdEastNHits
Entries 358650
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120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Entries 0
Data
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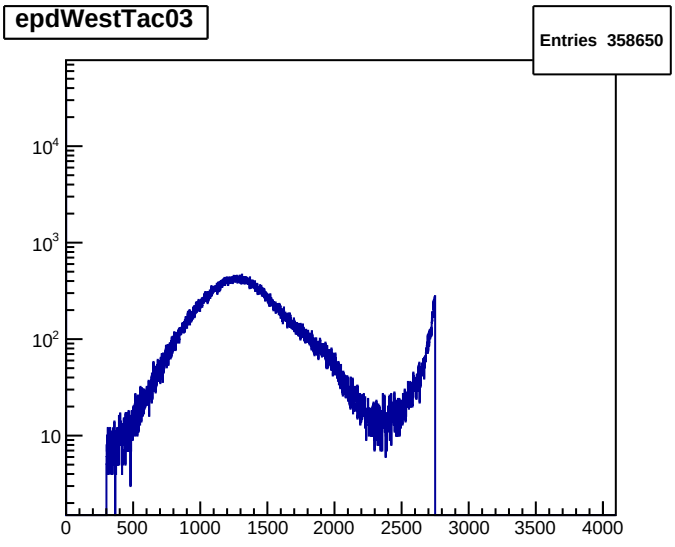
0 20 40 60 80 100 120
Simu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10^3
10^2
10
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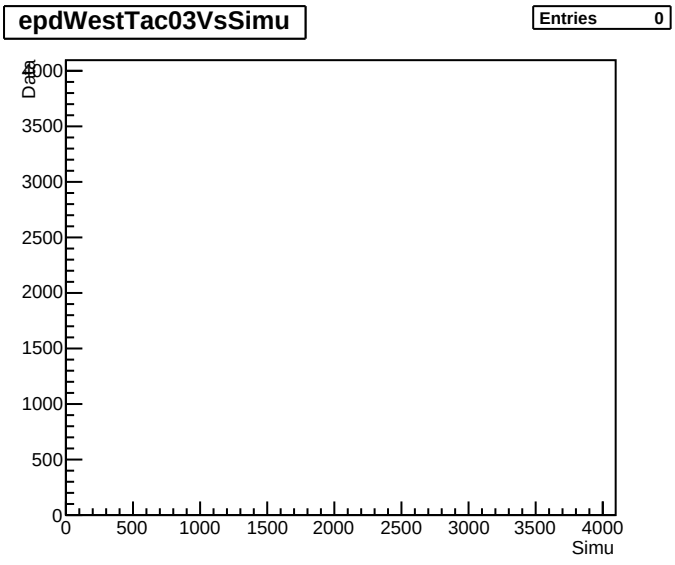
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Entries 0
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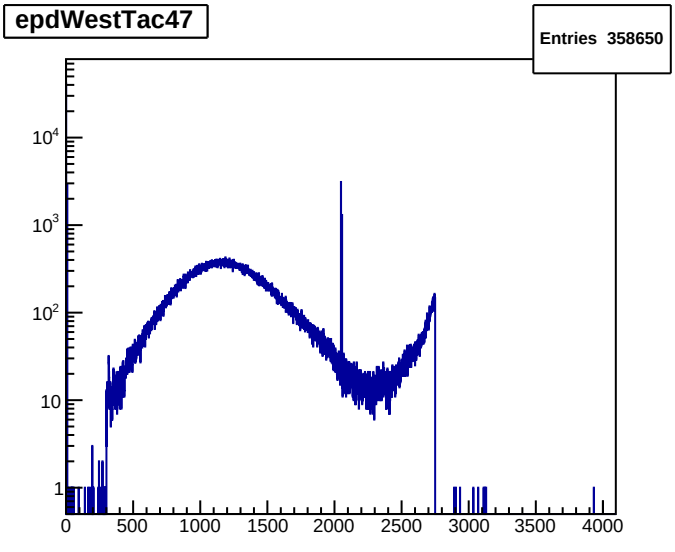
Simu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10^3
10^2
10
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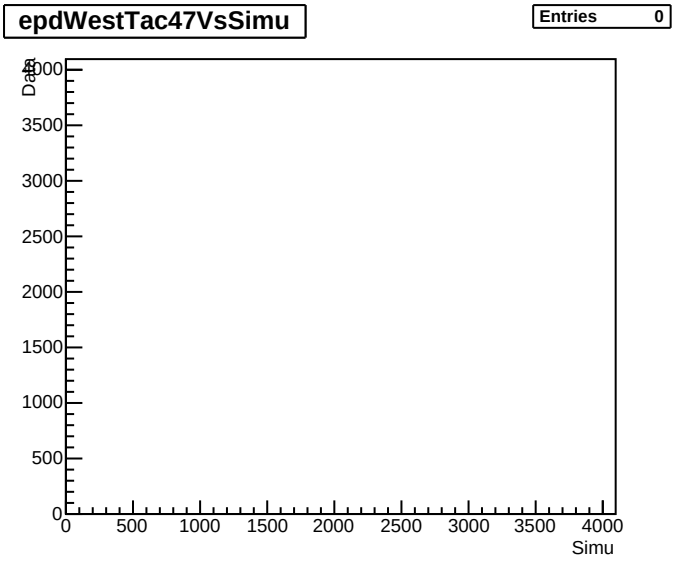
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Entries 0
Data
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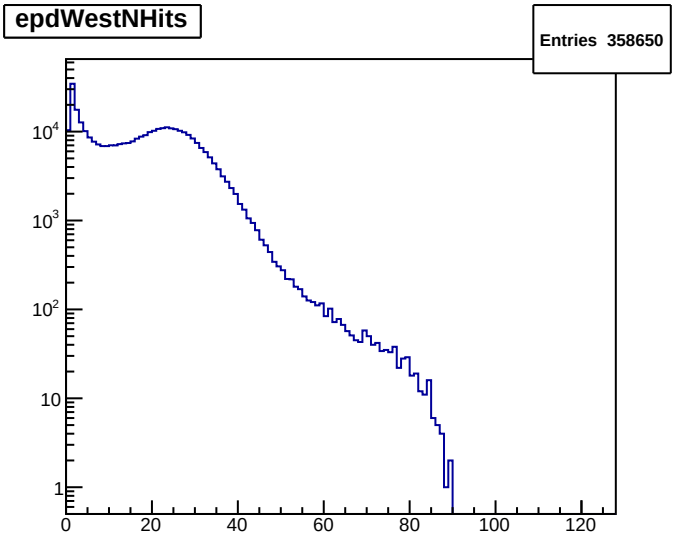
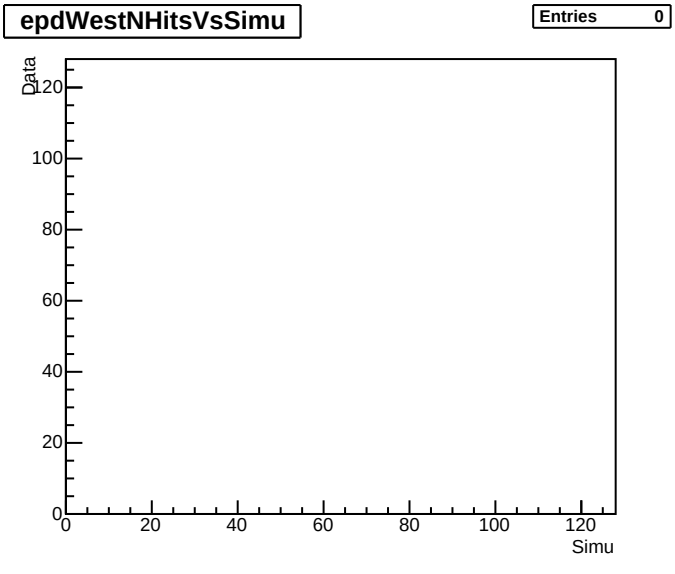
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestNHits
Entries 358650
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdWestNHitsVsSimu
Entries 0
Data
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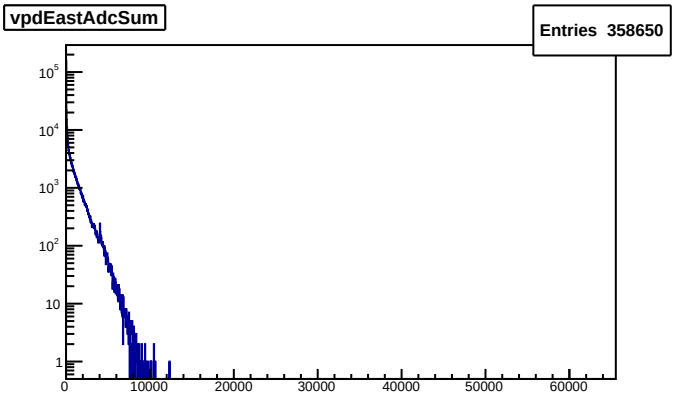
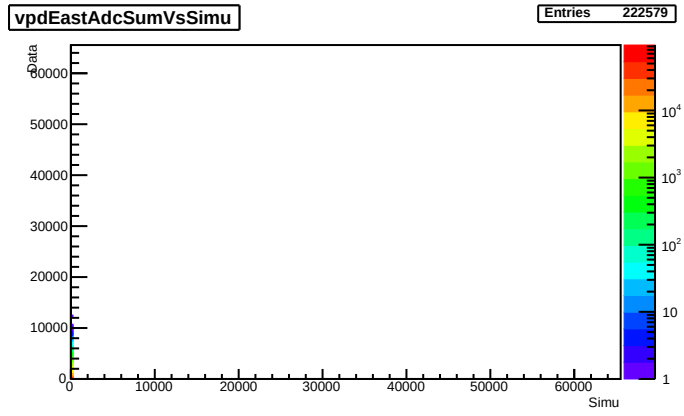
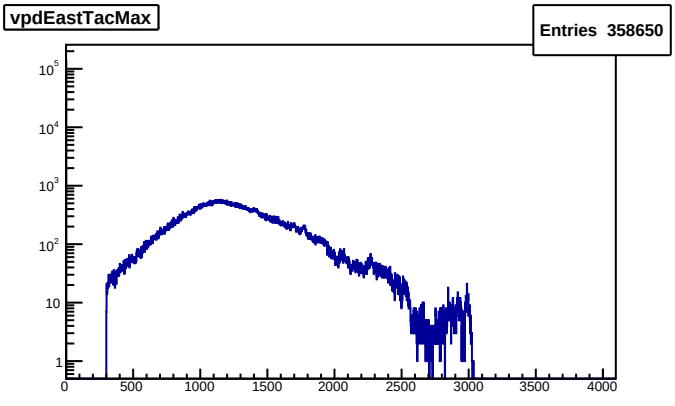
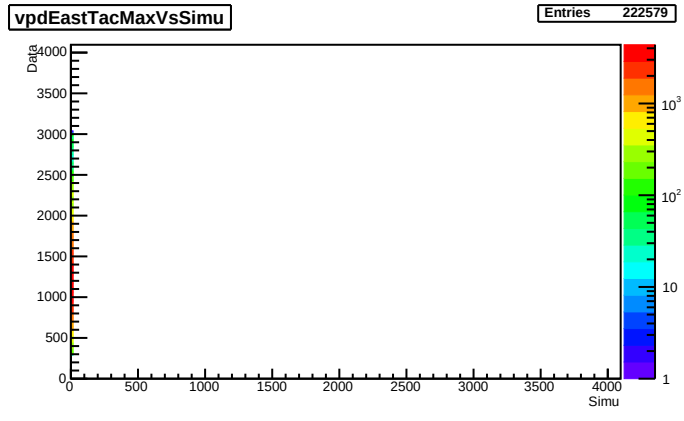
0 20 40 60 80 100 120
Simu


vpdEastAdcSum
Entries 358650


vpdEastAdcSumVsSimu
Entries 222579
Data
Simu


vpdEastTacMax
Entries 358650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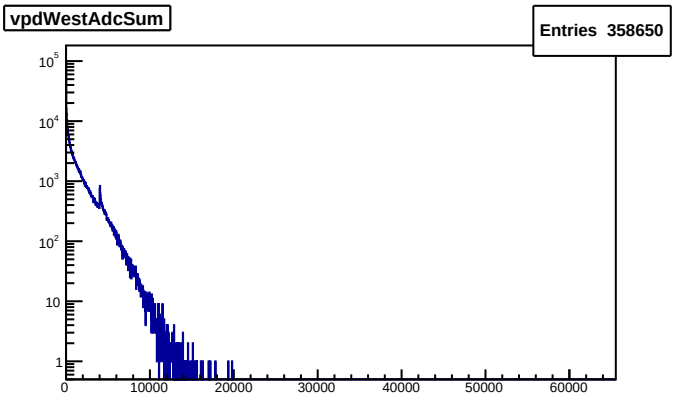
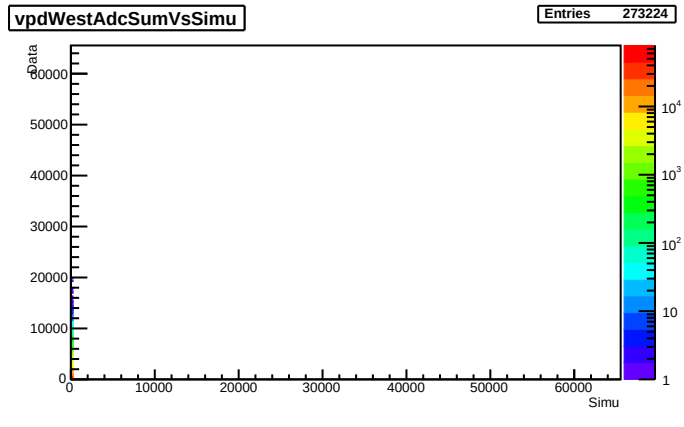
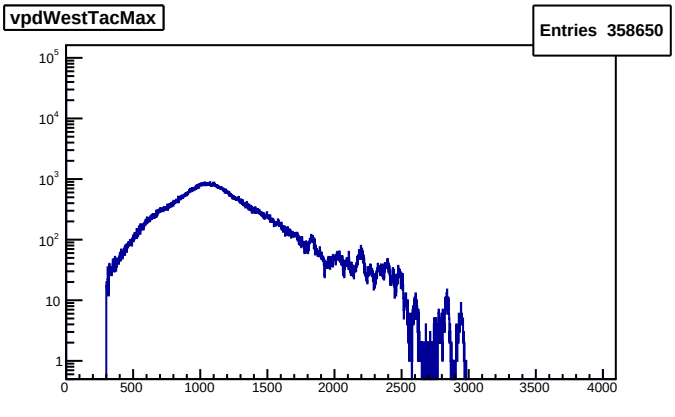
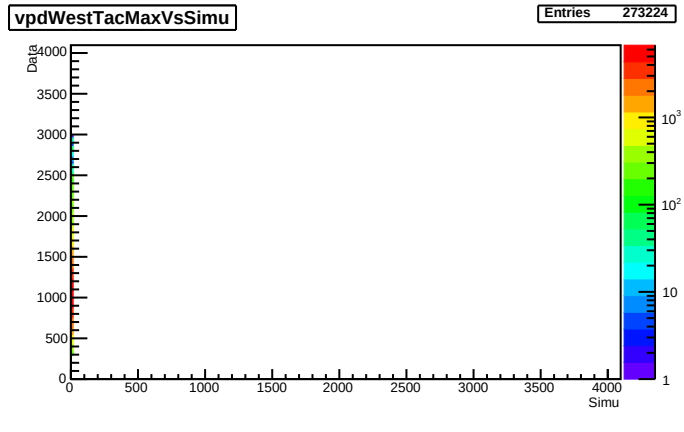
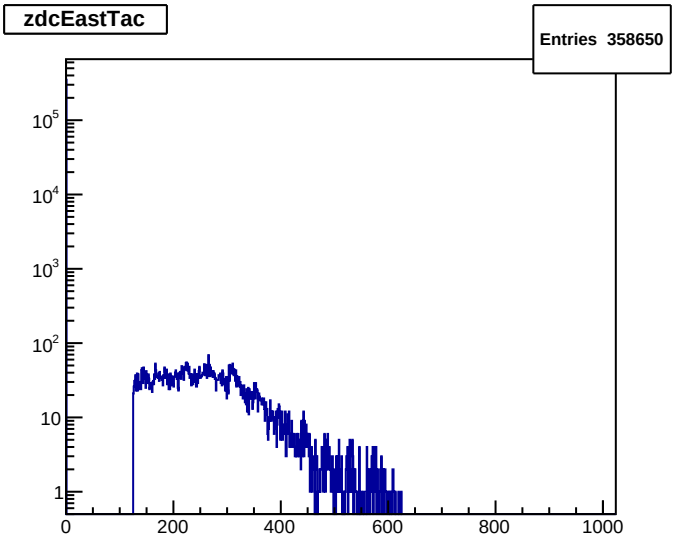
Entries 222579
Data
Simu

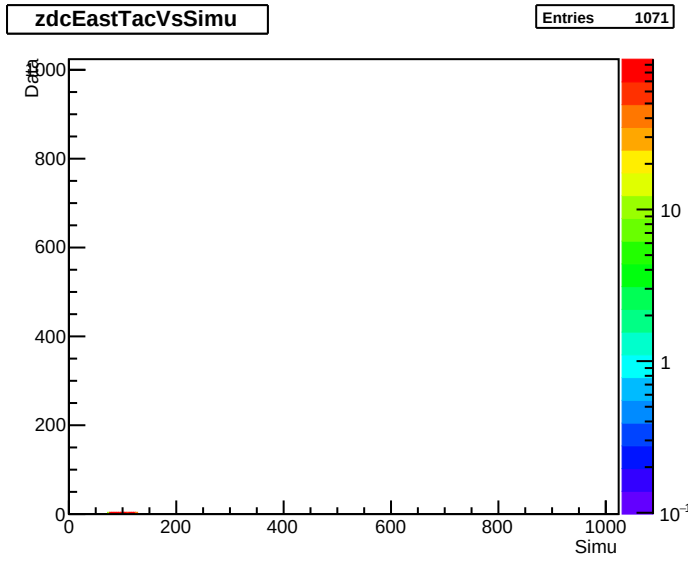

vpdWestAdcSum
Entries 358650

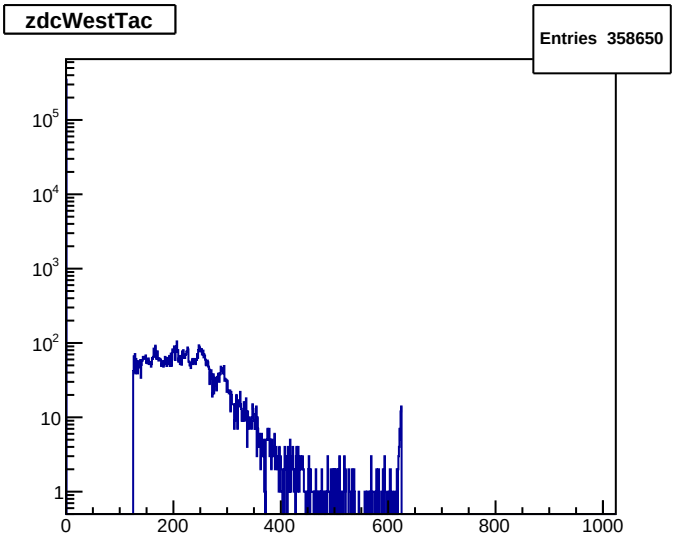

vpdWestAdcSumVsSimu
Entries 273224
Data
Simu

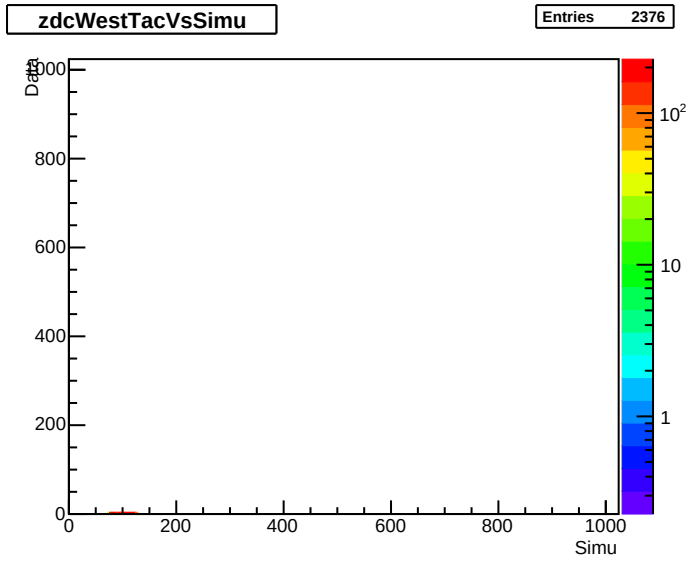

vpdWestTacMax
Entries 358650

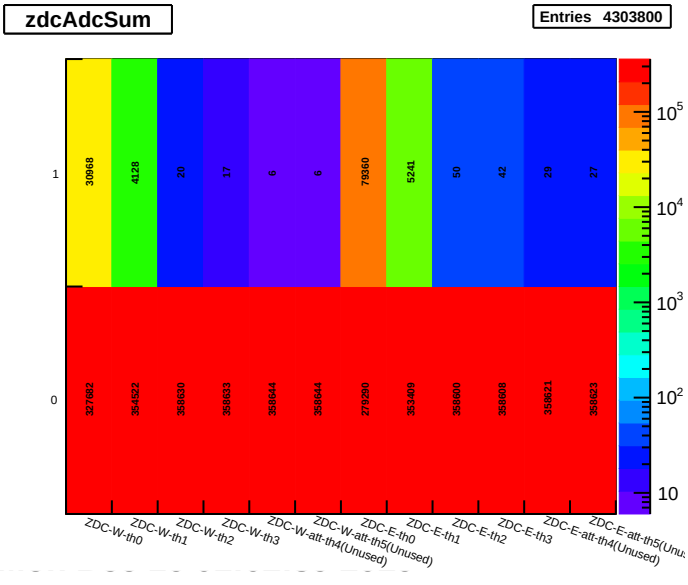

vpdWestTacMaxVsSimu
Entries 273224
Data
Simu


zdcEastTac
Entries 358650


zdcEastTacVsSimu
Entries 1071
Data
Simu


zdcWestTac
Entries 358650


zdcWestTacVsSimu
Entries 2376
Data
Simu


zdcAdcSum
Entries 4303800
30968
4128
20
17
6
6
79360
5241
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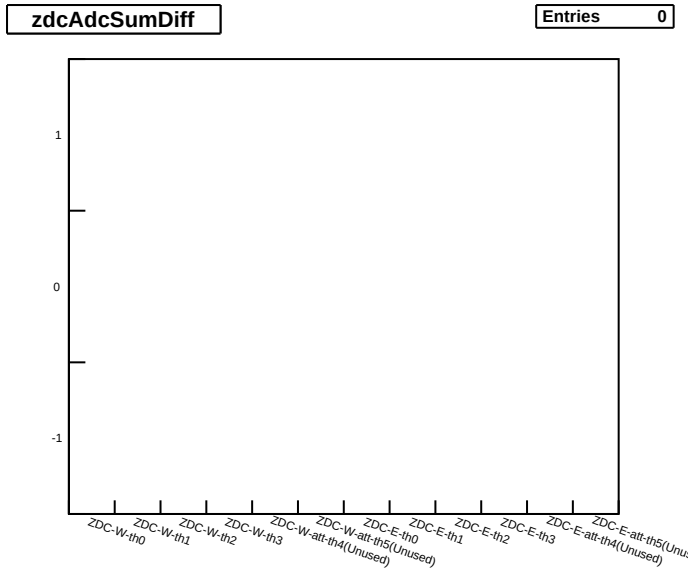
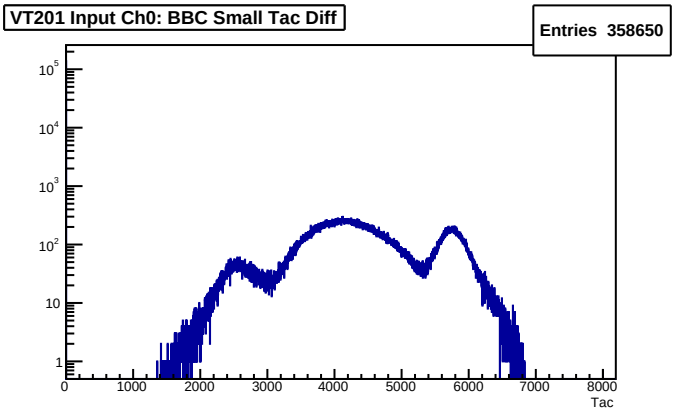
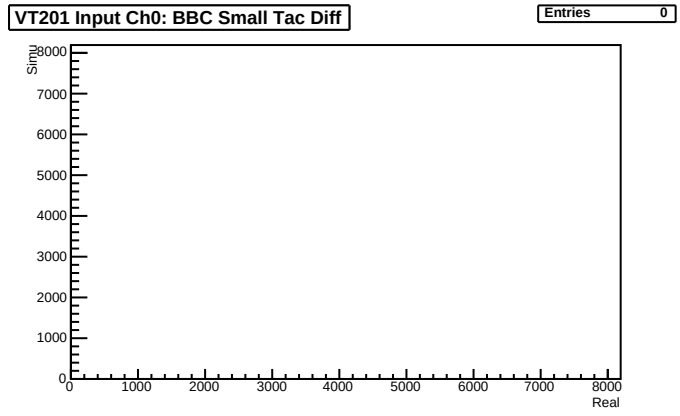
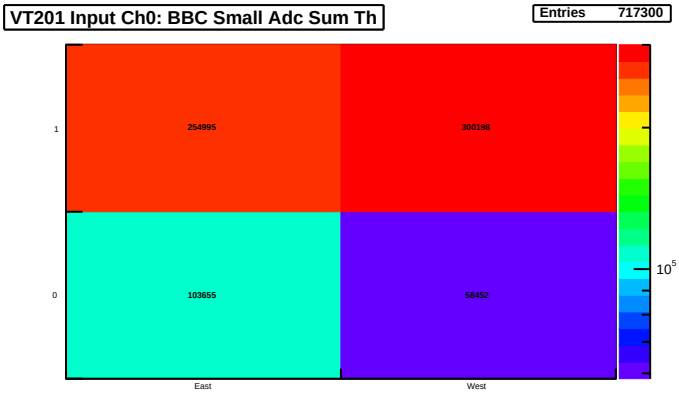
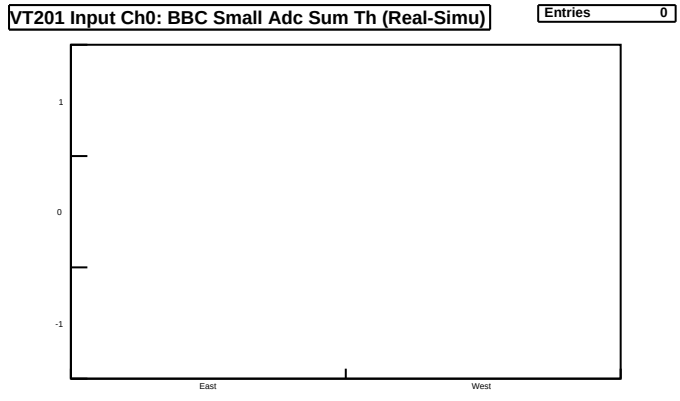
42
29
27
327682
354522
358630
358633
358644
358644
279290
353409
358600
358608
358621
358623
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

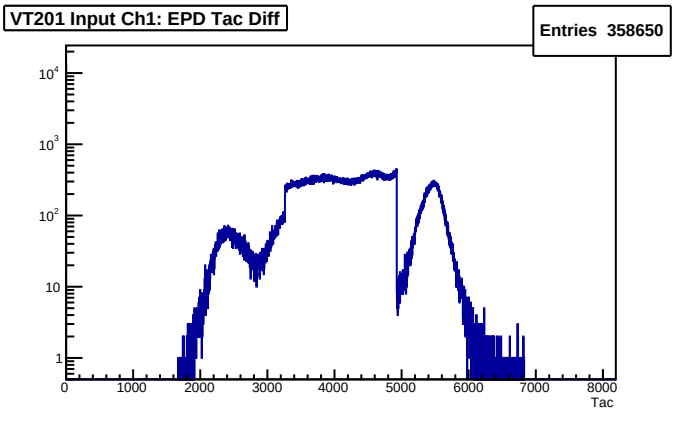

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

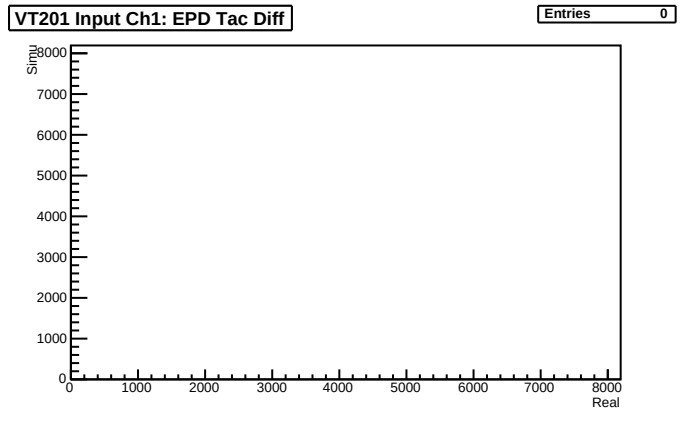

VT201 Input Ch0: BBC Small Tac Diff
Entries 358650
Tac

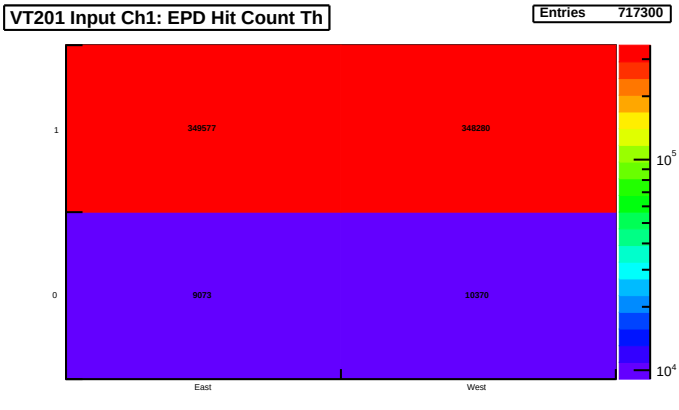

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

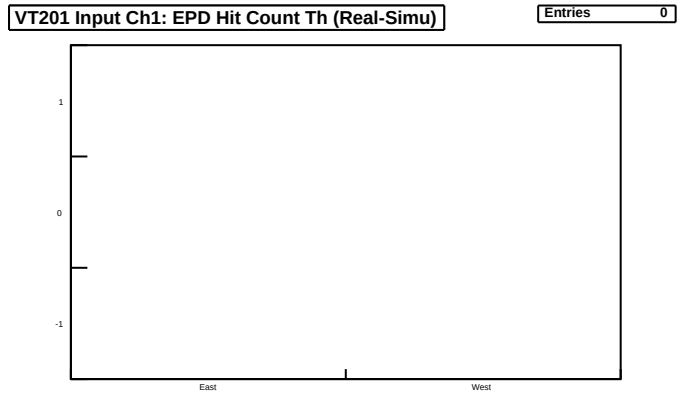

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 717300
254995
300198
103655
58452
East
West

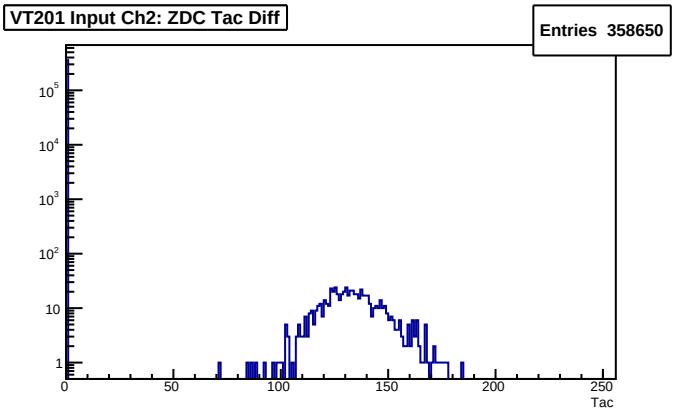

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

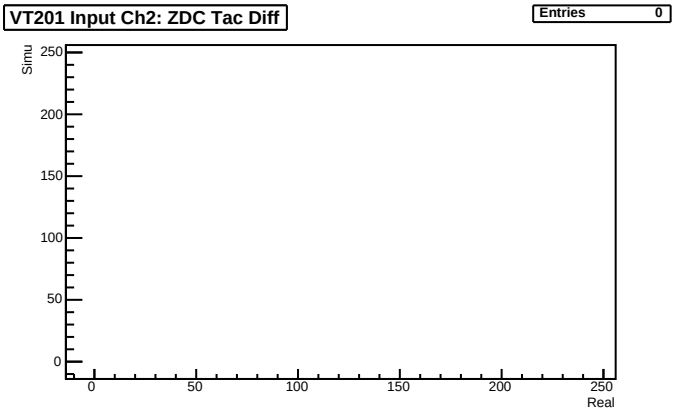

VT201 Input Ch1: EPD Tac Diff
Entries 358650
Tac

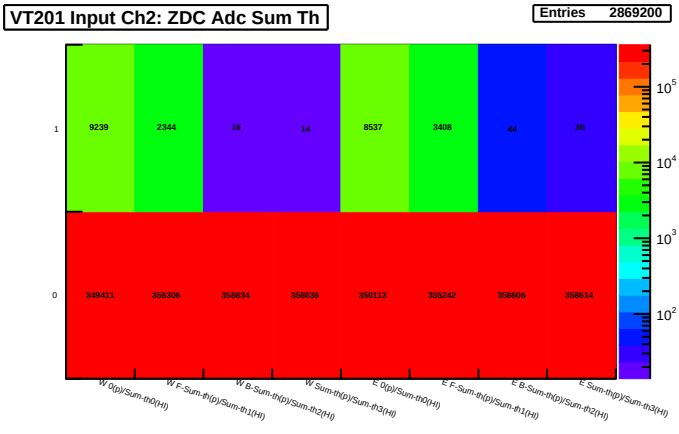

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

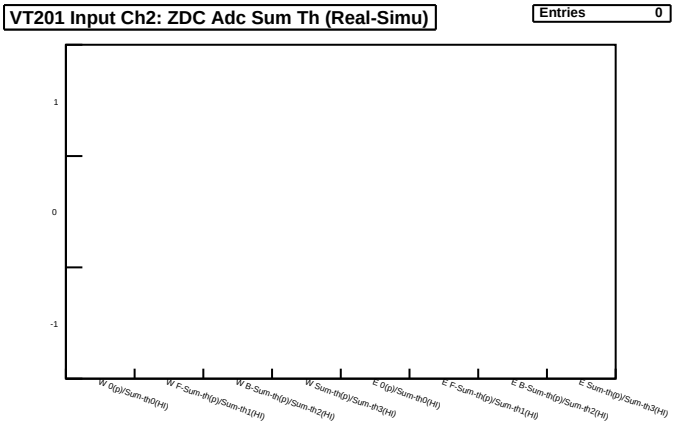

VT201 Input Ch1: EPD Hit Count Th
Entries 717300
349577
348280
9073
10370
East
West

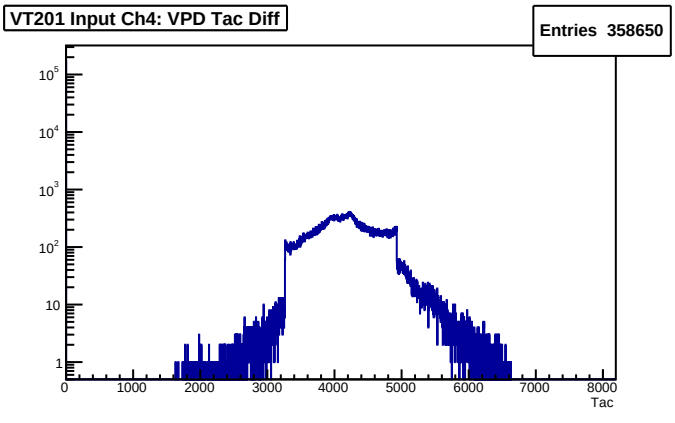

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

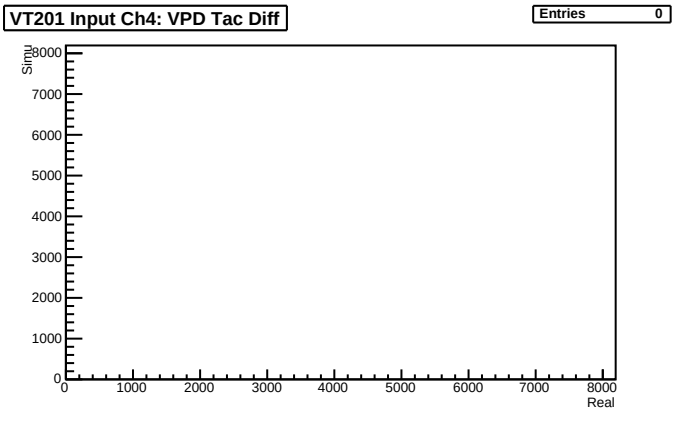

VT201 Input Ch2: ZDC Tac Diff
Entries 358650
Tac

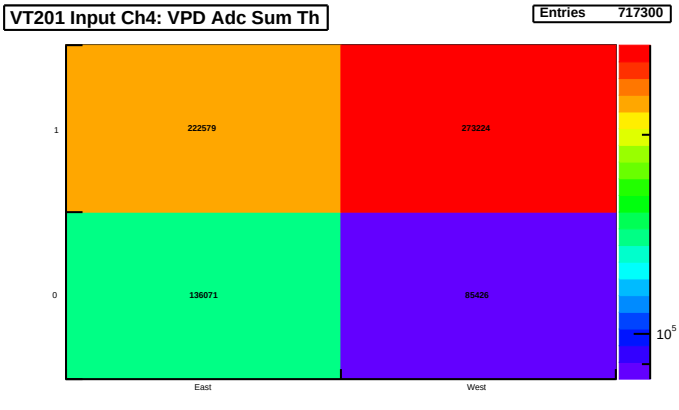

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

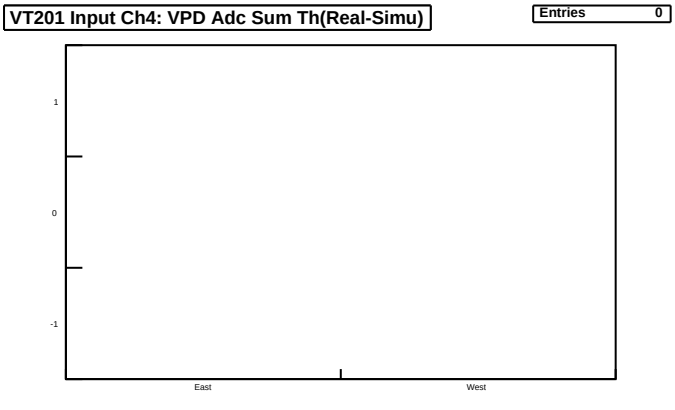

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2869200
9239
2344
16
14
8537
3408
44
36
349411
356306
358634
358636
350113
355242
358606
358614
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

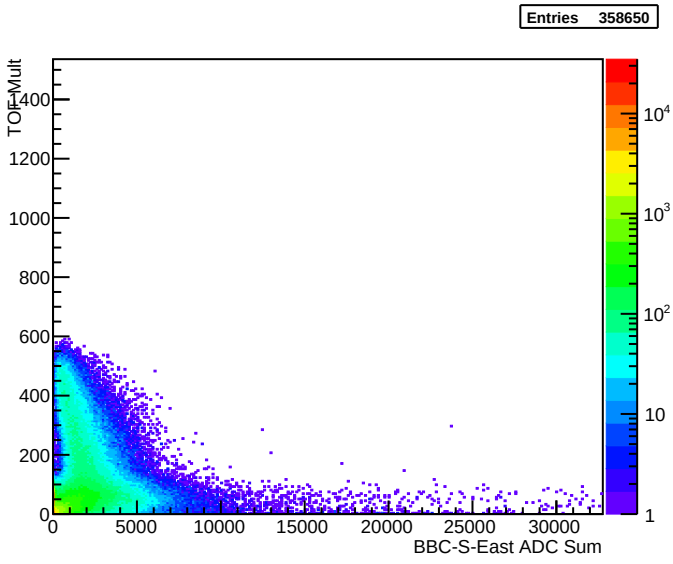

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

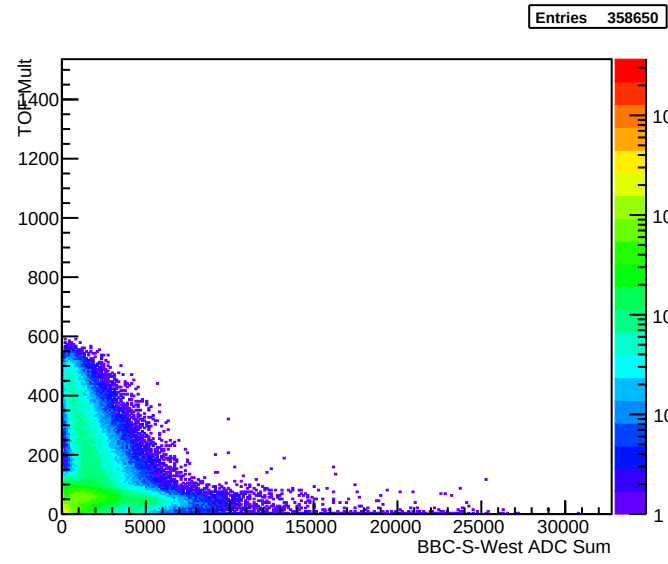

VT201 Input Ch4: VPD Tac Diff
Entries 358650
Tac

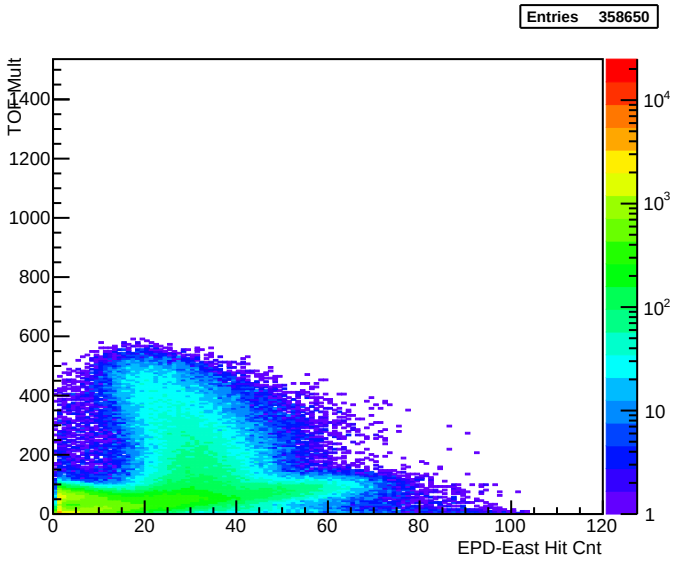

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

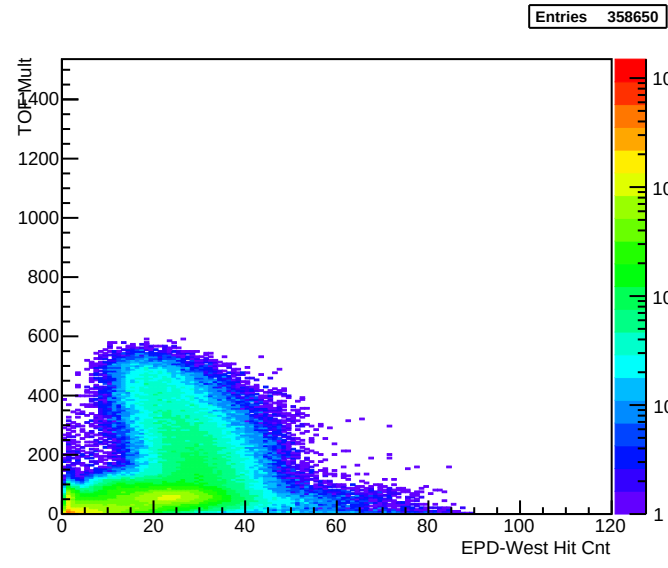

VT201 Input Ch4: VPD Adc Sum Th
Entries 717300
222579
273224
136071
85426
East
West

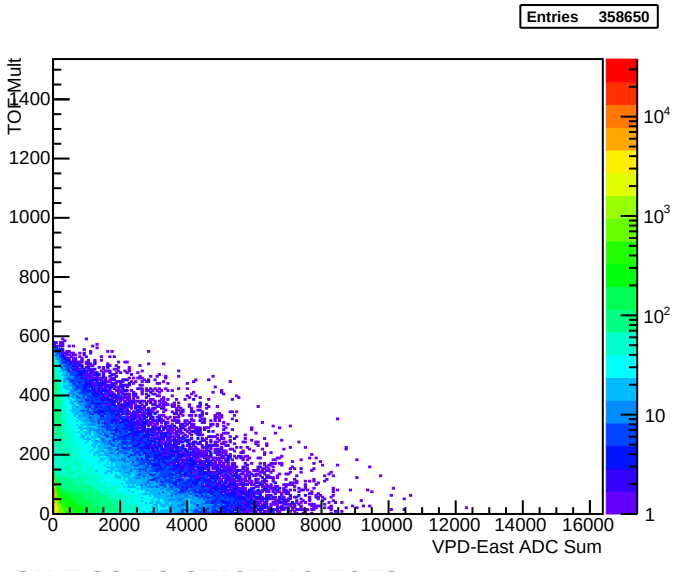

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

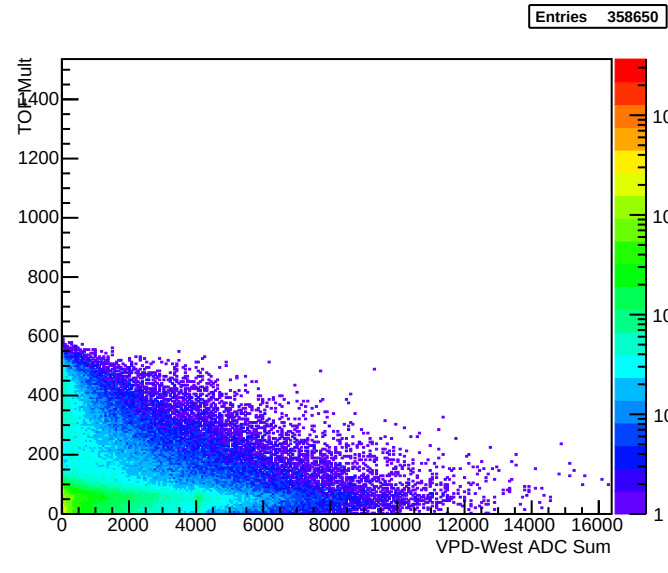

Entries 358650
TOF-Mult
BBC-S-East ADC Sum

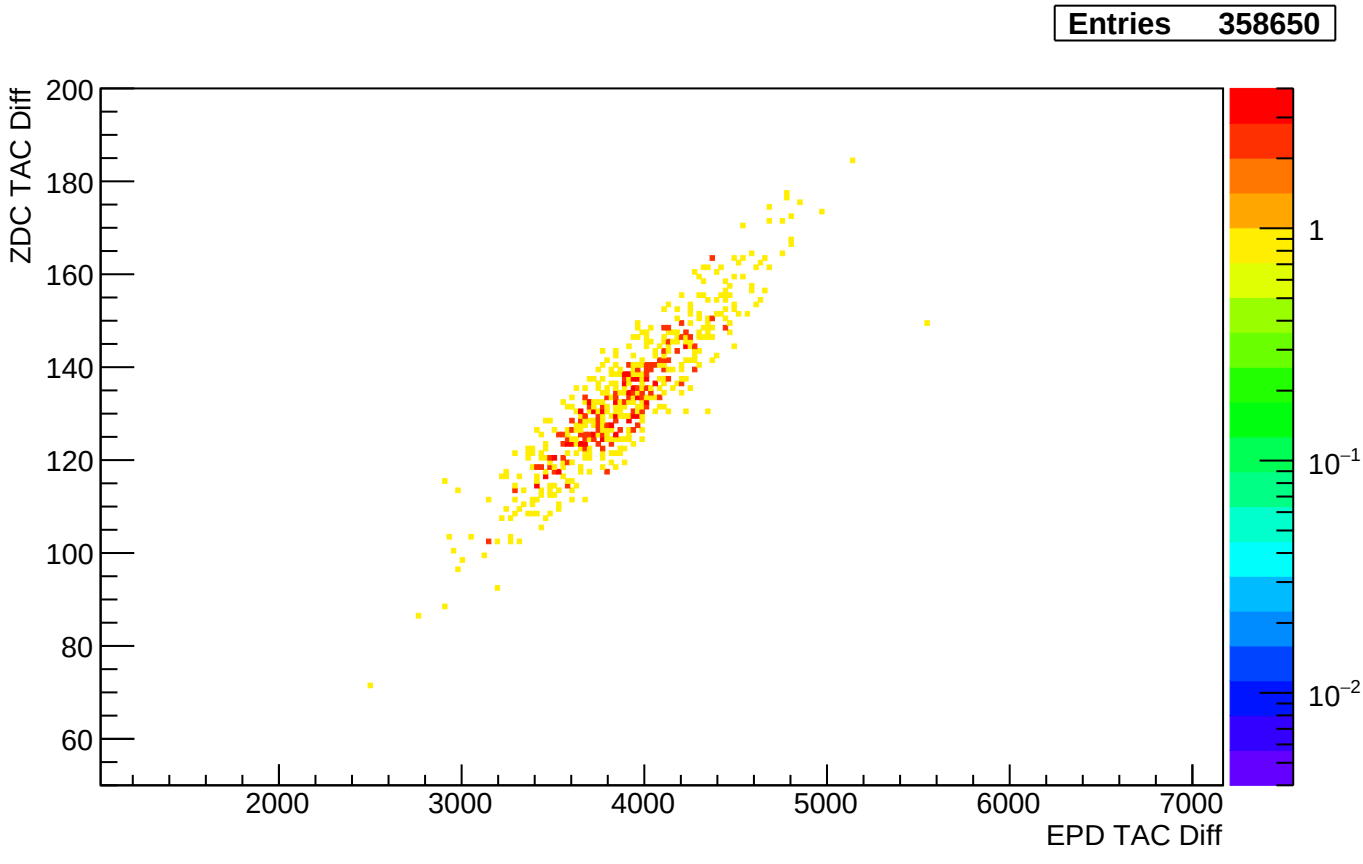

Entries 358650
TOF-Mult
BBC-S-West ADC Sum

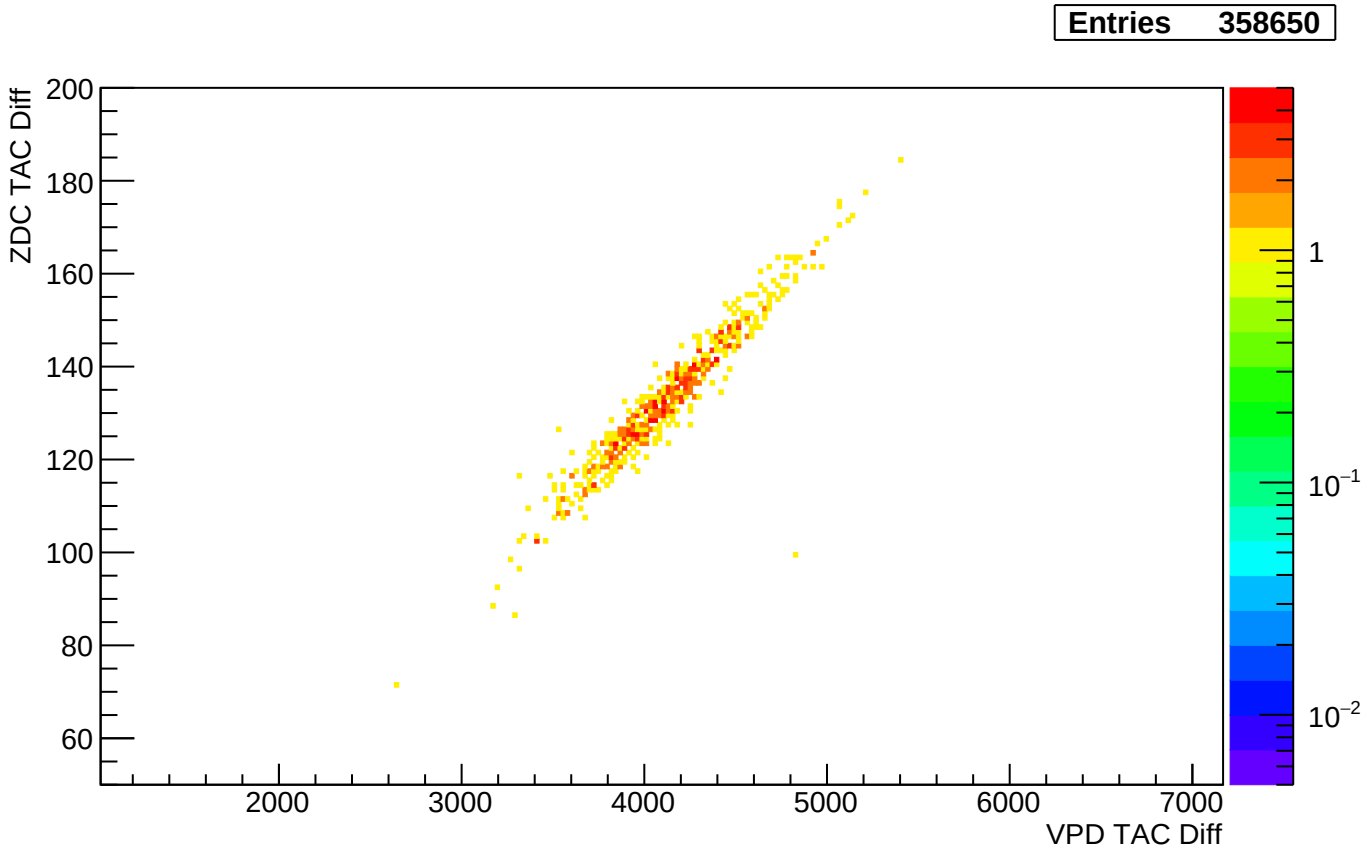

Entries 358650
TOF-Mult
EPD-East Hit Cnt

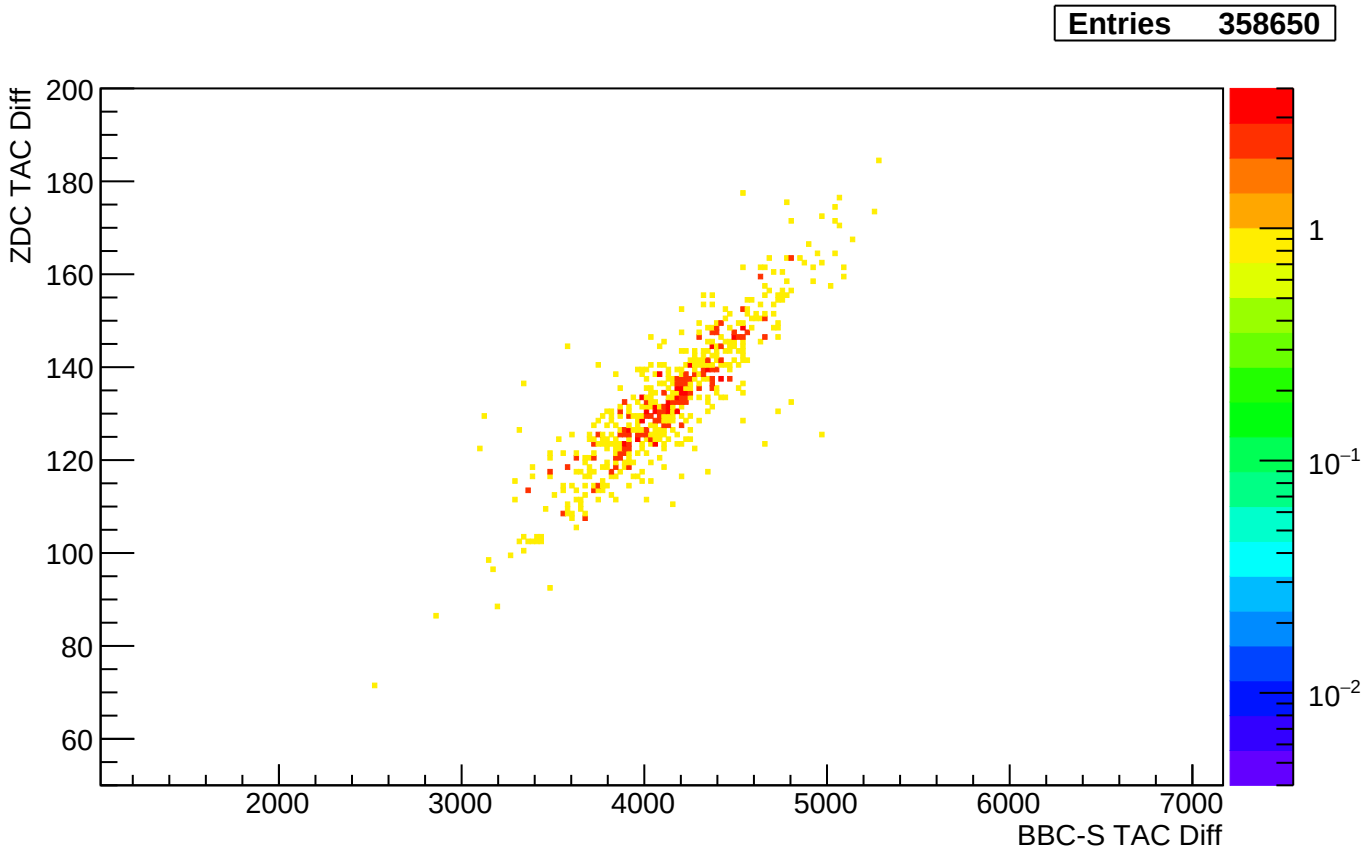

Entries 358650
TOF-Mult
EPD-West Hit Cnt

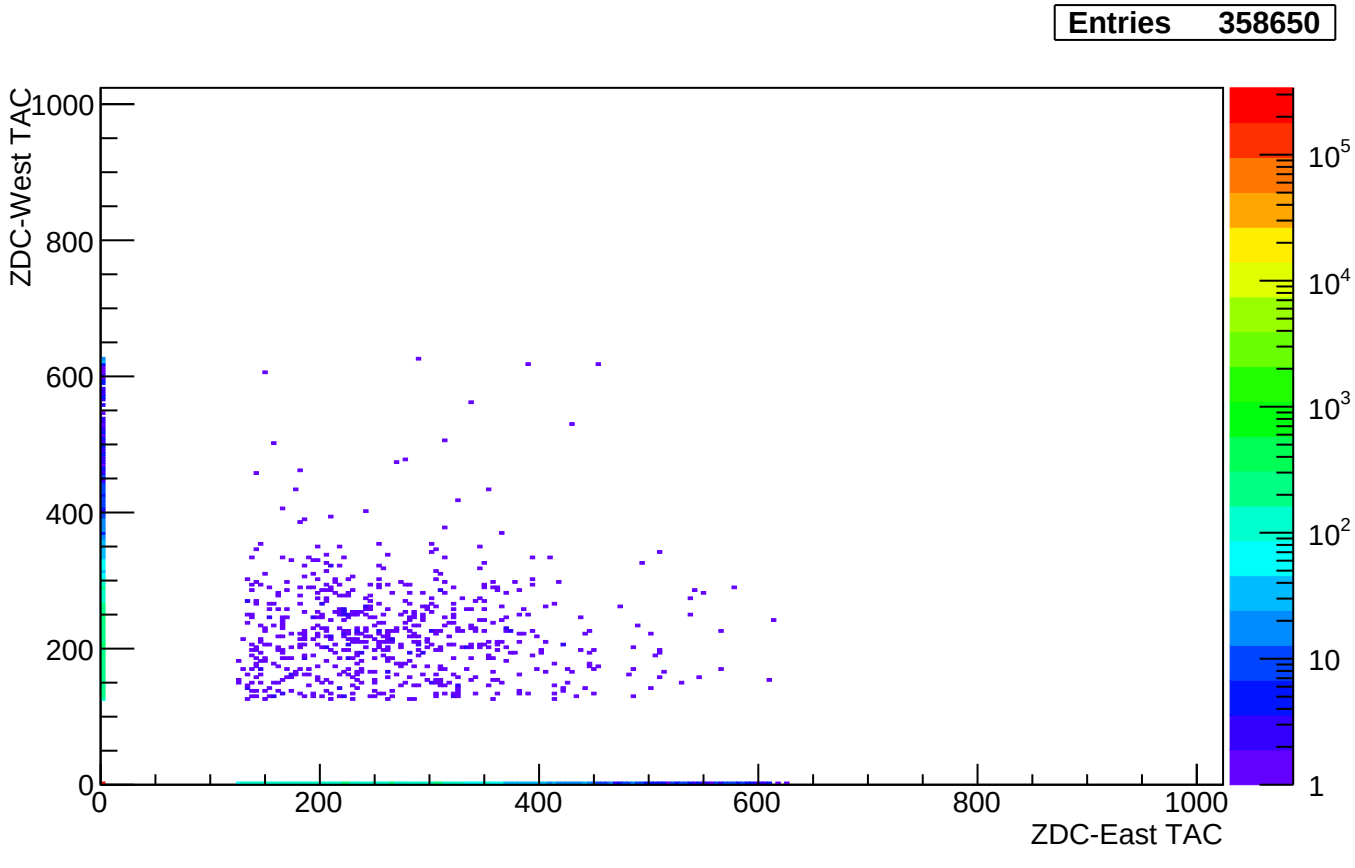

Entries 358650
TOF-Mult
VPD-East ADC Sum

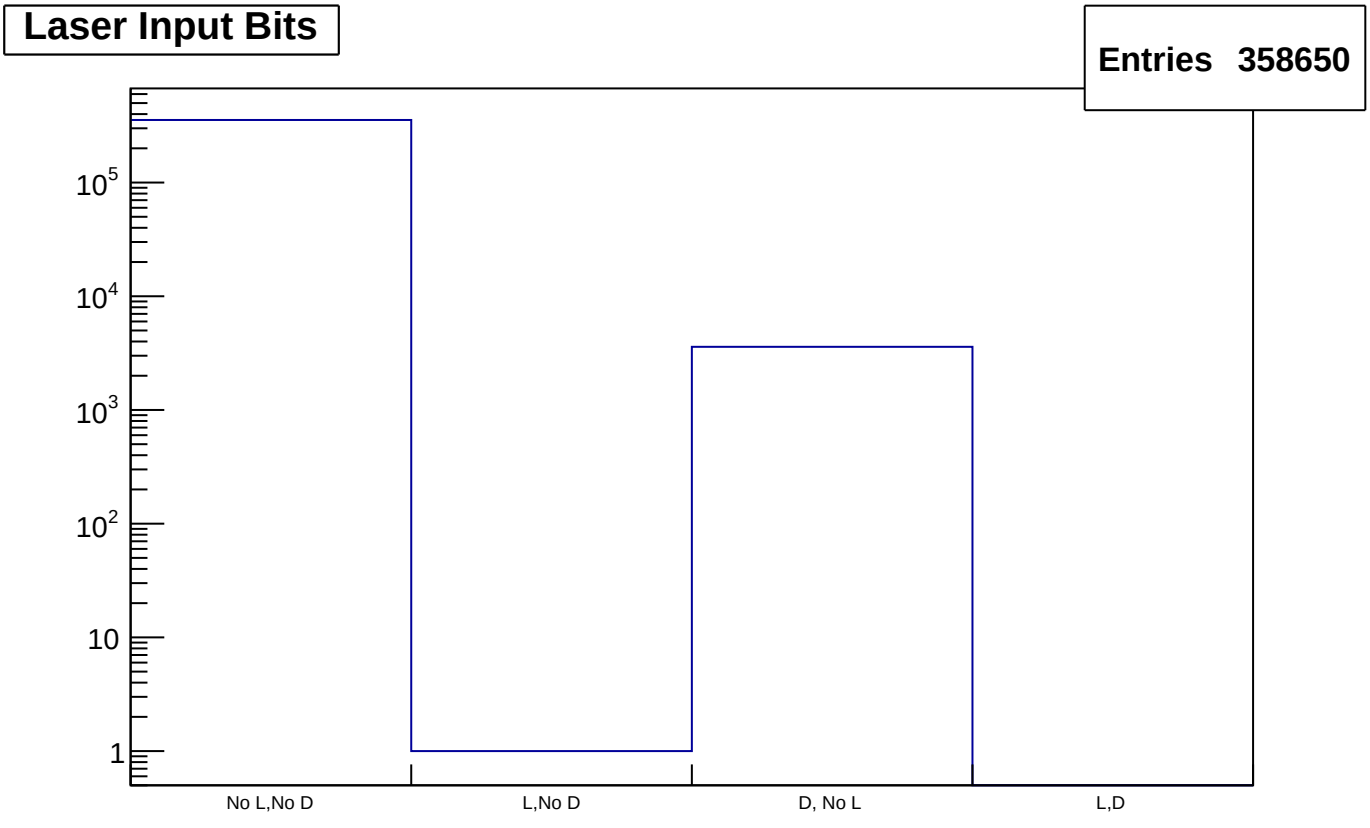

Entries 358650
TOF-Mult
VPD-West ADC Sum

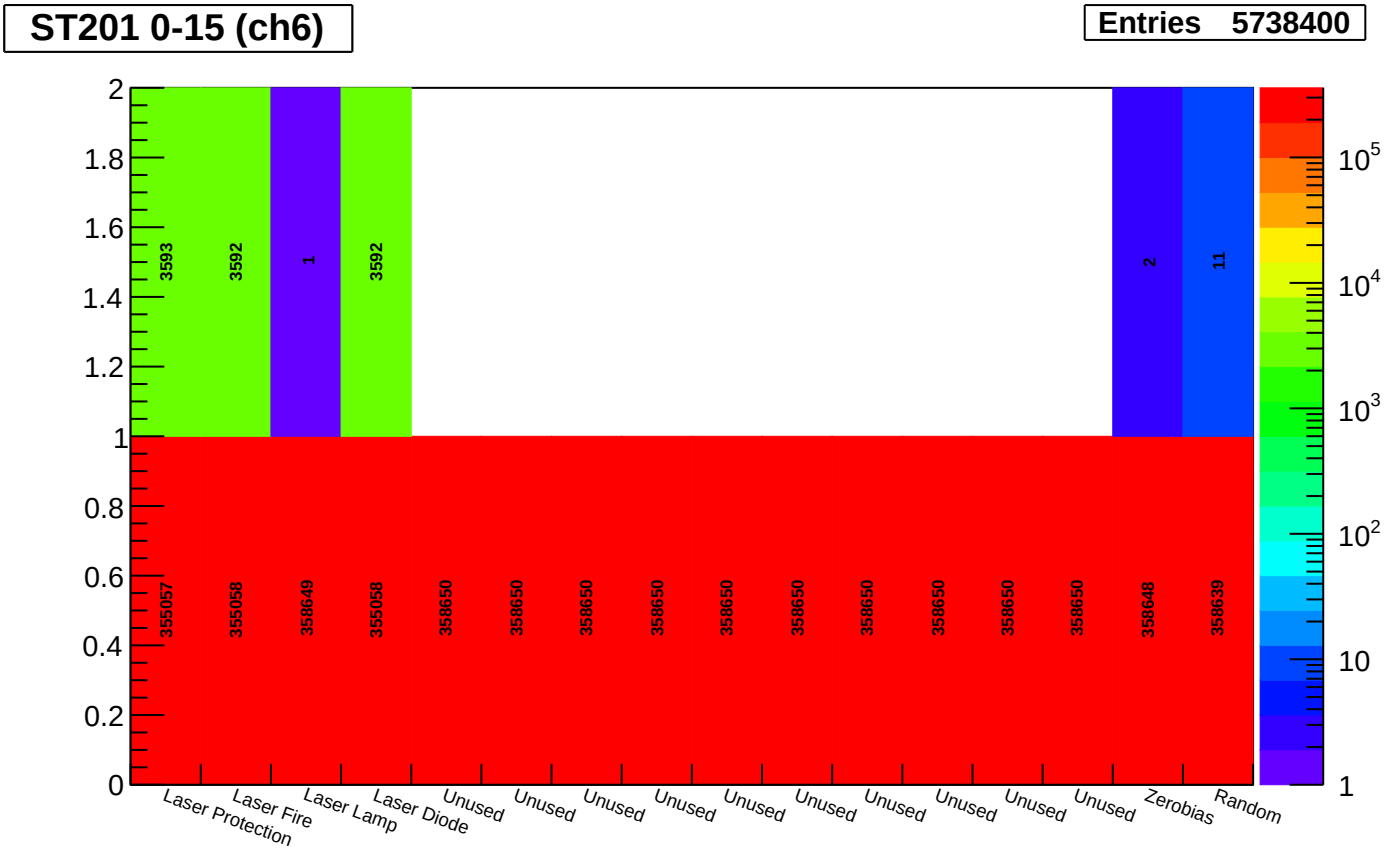

Entries 358650
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

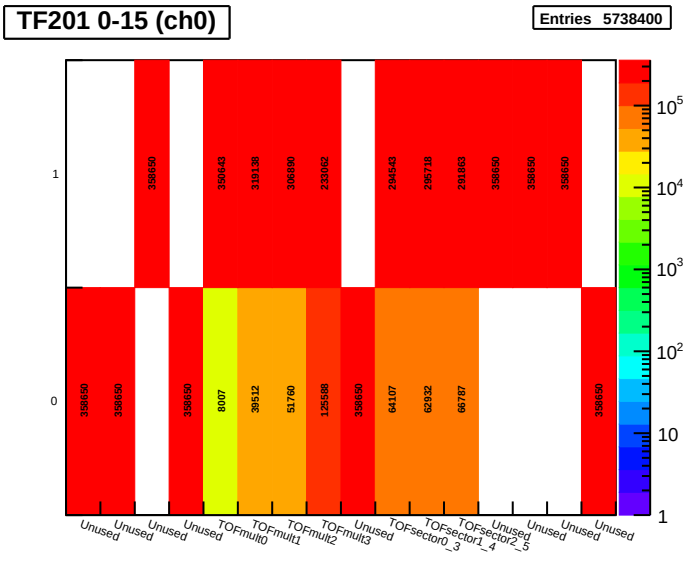

Entries 358650
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

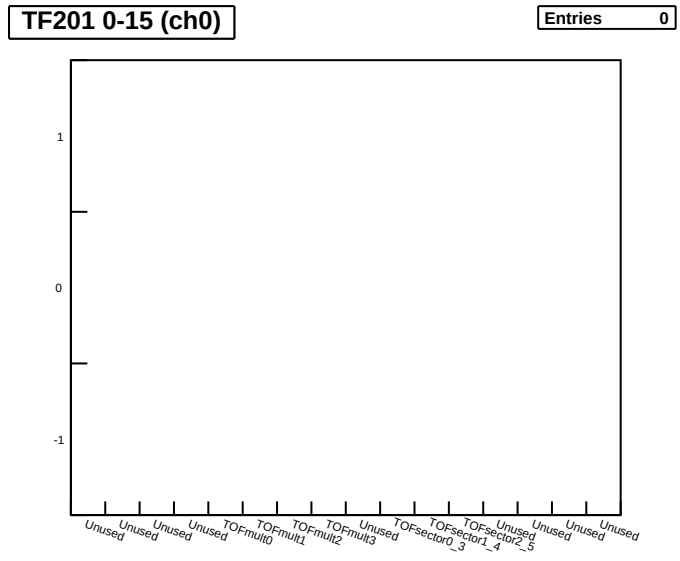

Entries 358650
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

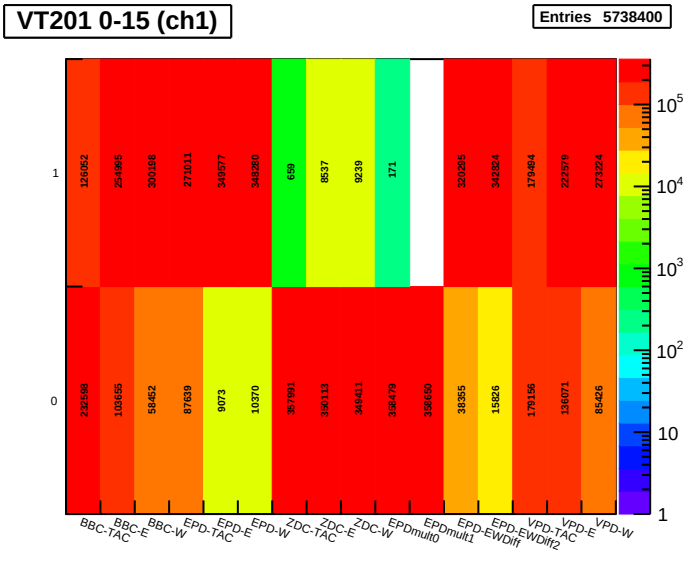

Entries 358650
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

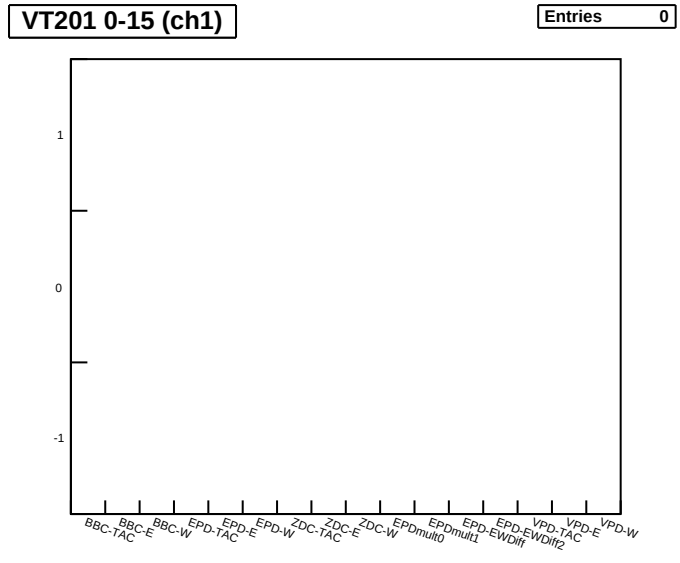

Laser Input Bits
Entries 358650
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

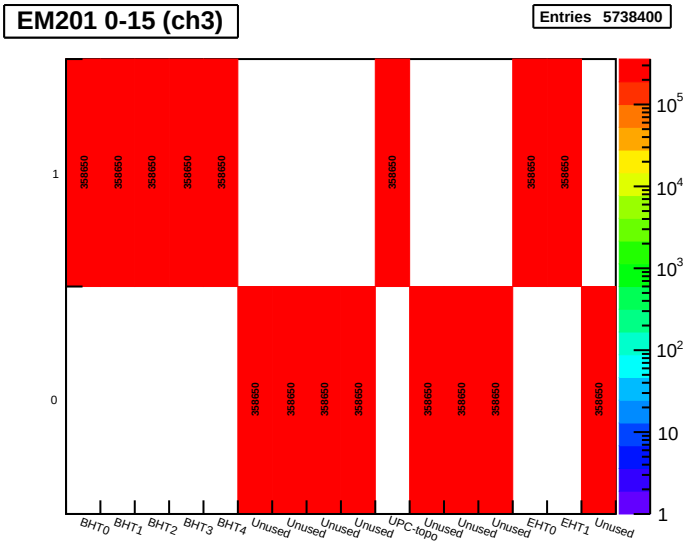

ST201 0-15 (ch6)
Entries 5738400
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3593
3592
1
3592
2
11
355057
355058
358649
355058
358650
358650
358650
358650
358650
358650
358650
358650
358650
358650
358648
358639
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

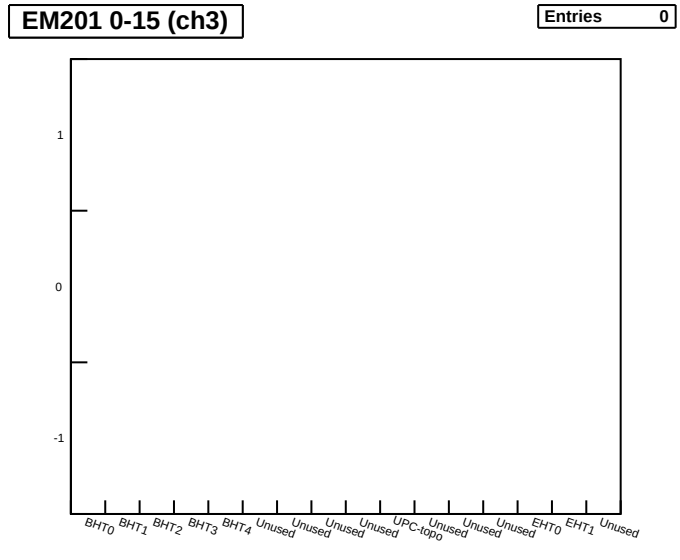

TF201 0-15 (ch0)
Entries 5738400
1
0
358650 358650 358650 358650 358650 358650 358650 358650 358650 358650 358650 358650 358650 358650 358650 358650
8007 39512 51760 125588 64107 62932 66787
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 5738400
1
0
126052 254995 300188 271011 349577 348280 659 8537 9239 171 320295 342824 179494 222579 273224
232598 103655 58452 87639 9073 10370 357991 350113 349411 358479 358650 38355 15826 179156 136071 85426
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 5738400
1
0
358650 358650 358650 358650 358650 358650 358650 358650 358650
358650 358650 358650 358650 358650 358650 358650 358650
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