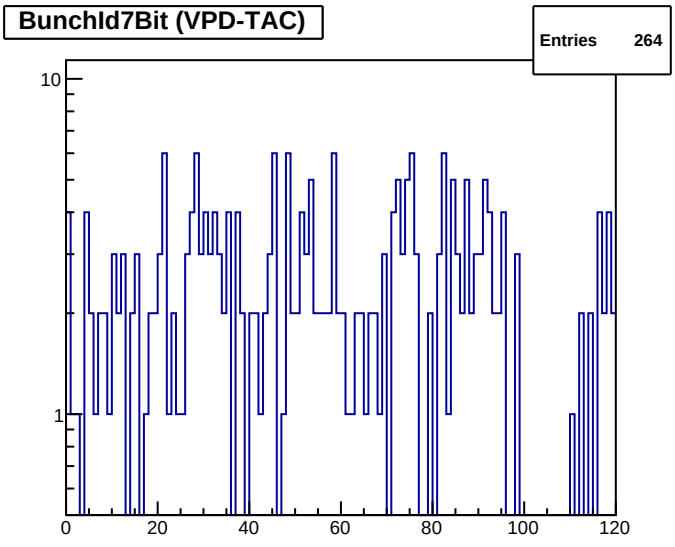
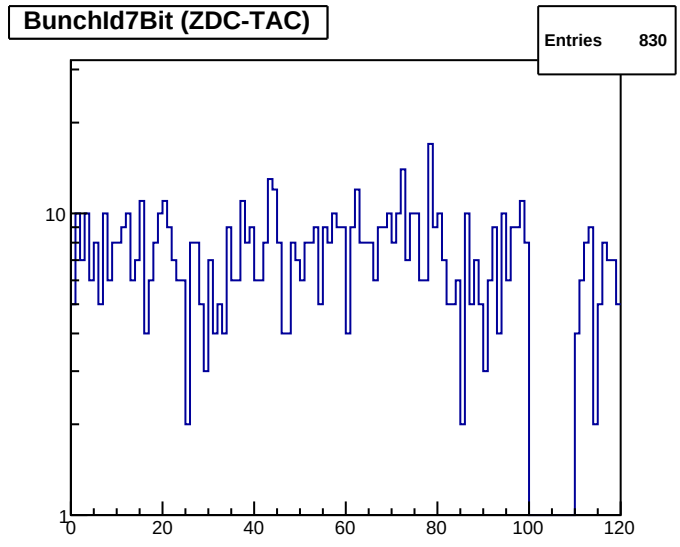
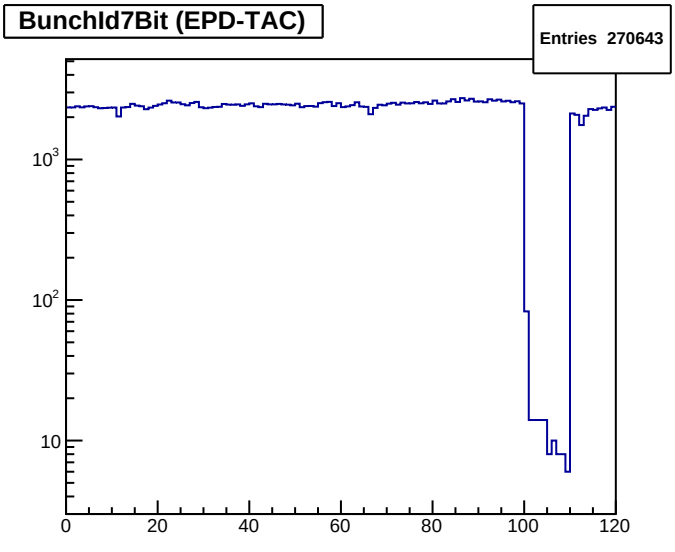
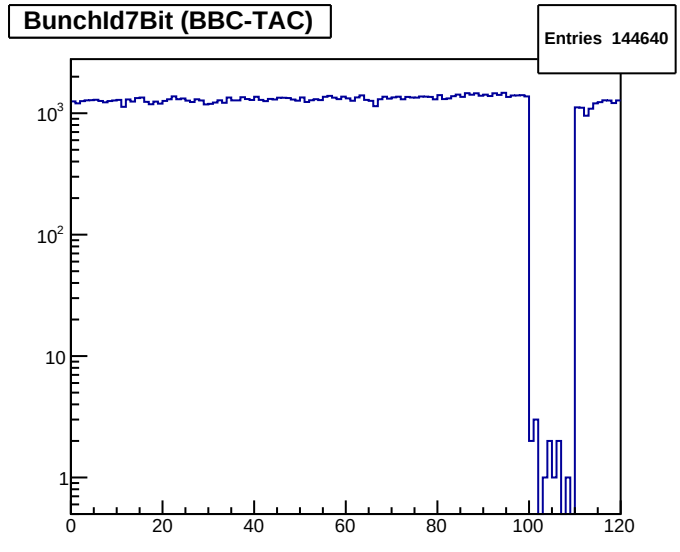
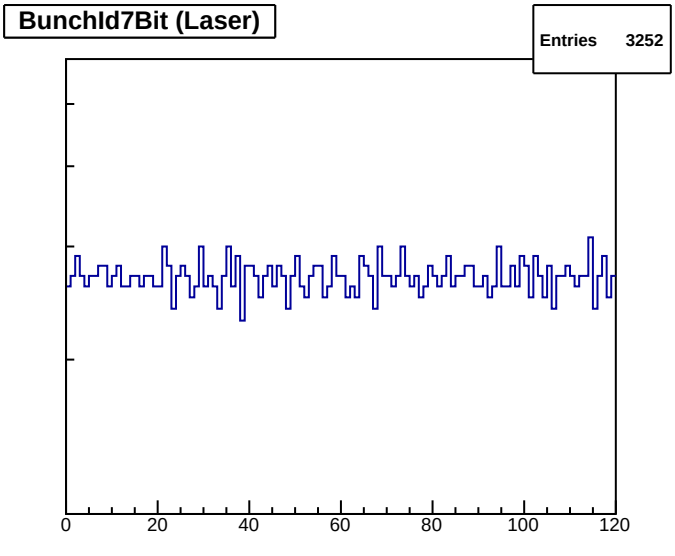
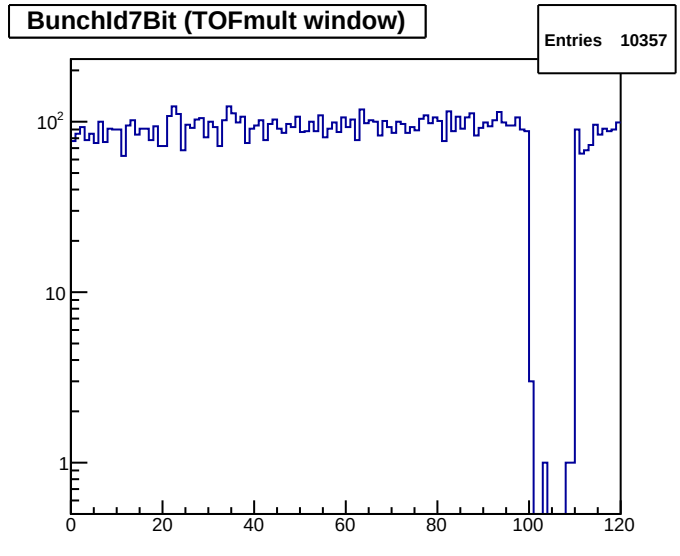

BunchId7Bit (VPD-TAC)
Entries 264
10
1
0
20
40
60
80
100
120

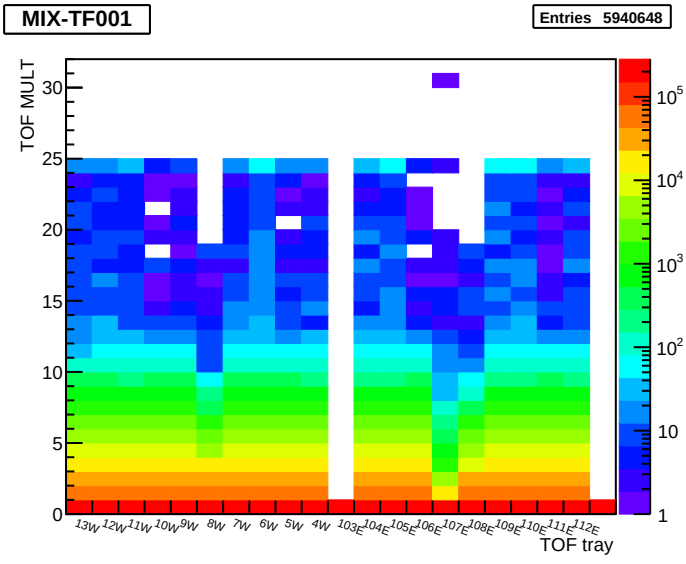

BunchId7Bit (ZDC-TAC)
Entries 830
10
1
0
20
40
60
80
100
120

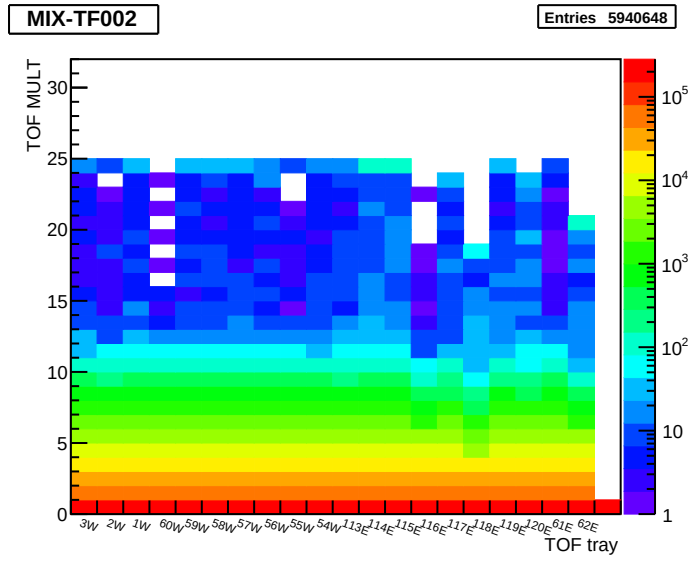

BunchId7Bit (EPD-TAC)
Entries 270643
10^3
10^2
10
0
20
40
60
80
100
120

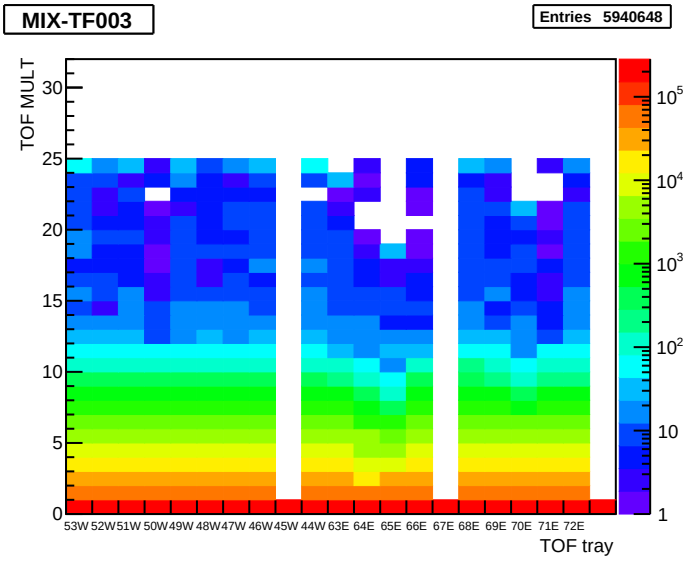

BunchId7Bit (BBC-TAC)
Entries 144640
10^3
10^2
10
1
0
20
40
60
80
100
120

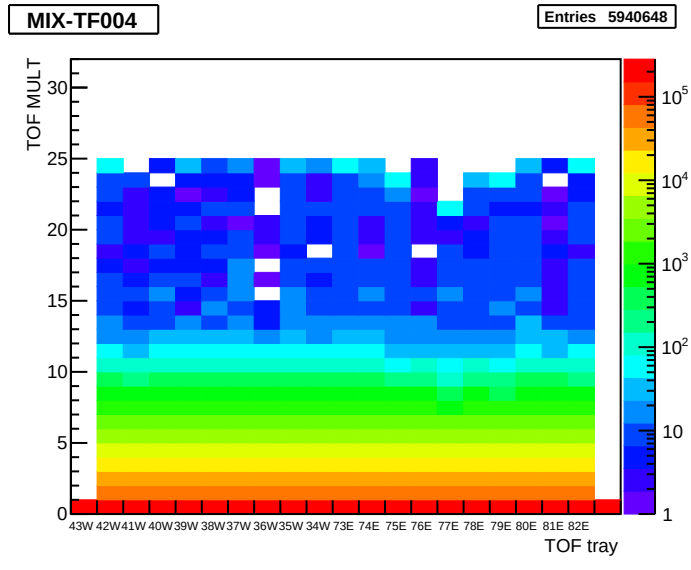

BunchId7Bit (Laser)
Entries 3252
0
20
40
60
80
100
120

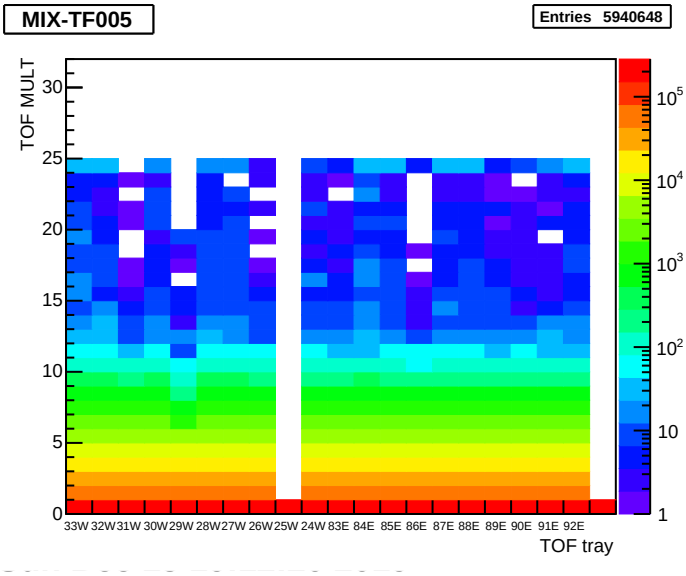

BunchId7Bit (TOFmult window)
Entries 10357
10^2
10
1
0
20
40
60
80
100
120

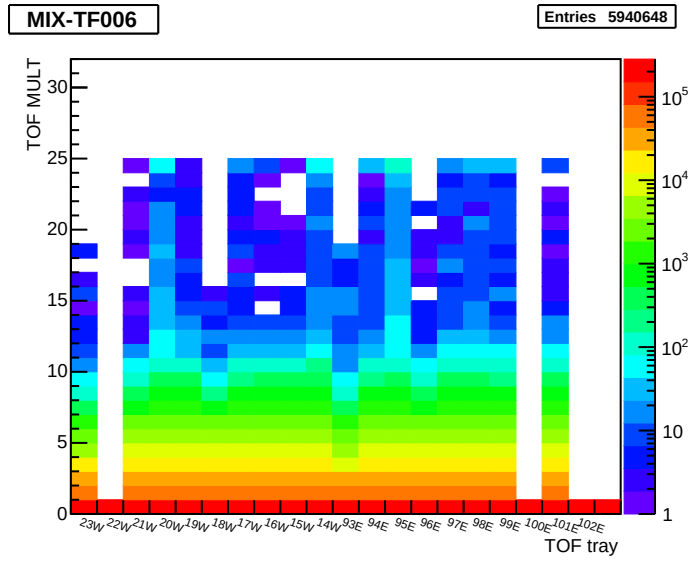

MIX-TF001
Entries 5940648
TOF MULT
TOF tray

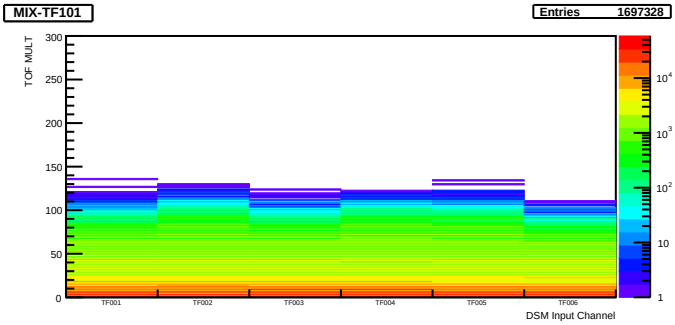

MIX-TF002
Entries 5940648
TOF MULT
TOF tray

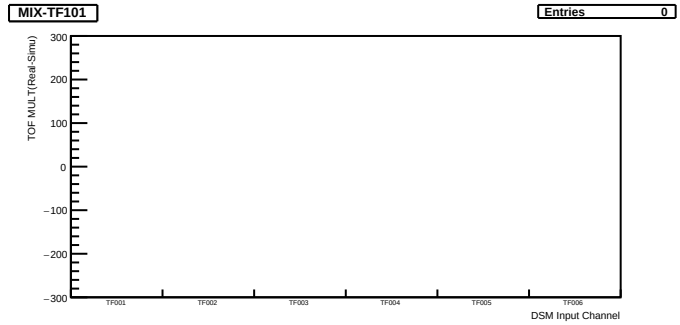

MIX-TF003
Entries 5940648
TOF MULT
TOF tray

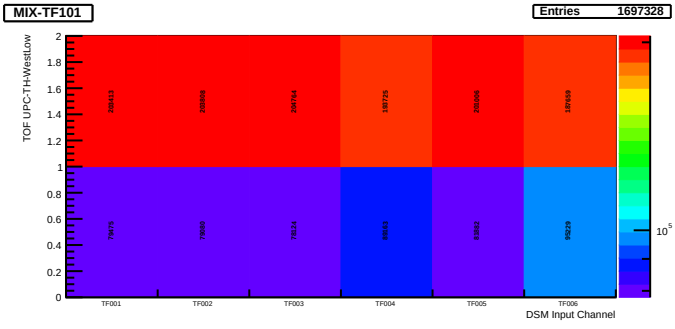

MIX-TF004
Entries 5940648
TOF MULT
TOF tray

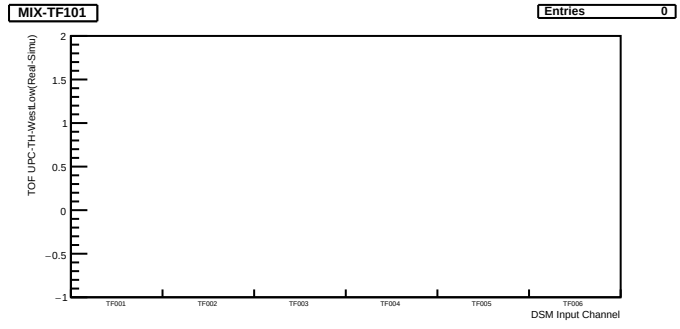

MIX-TF005
Entries 5940648
TOF MULT
TOF tray

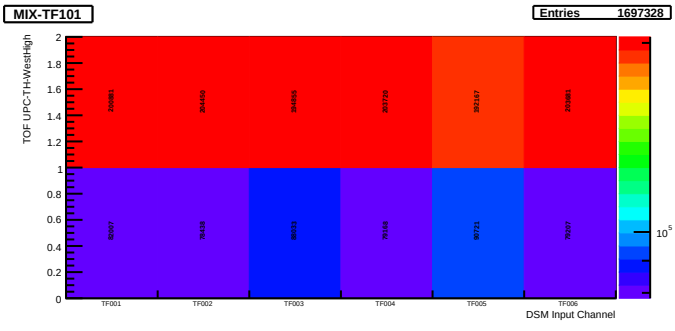

MIX-TF006
Entries 5940648
TOF MULT
TOF tray

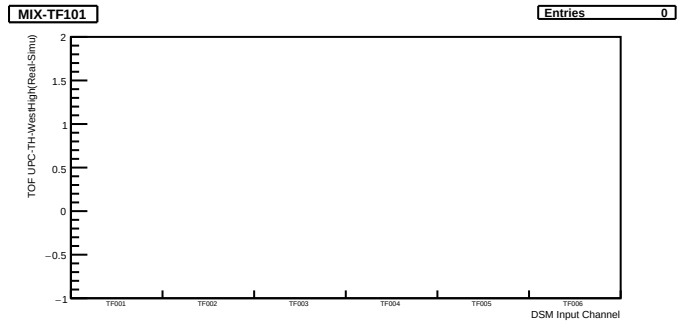

MIX-TF101
Entries 1697328
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

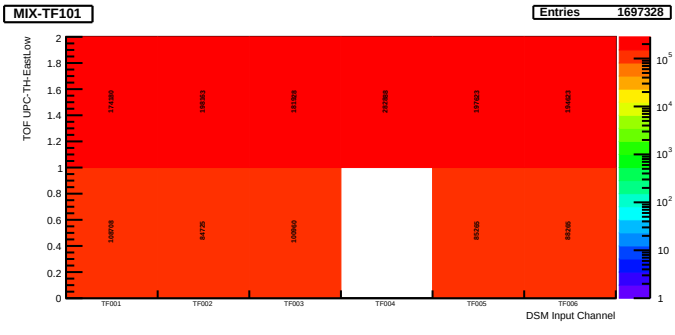

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

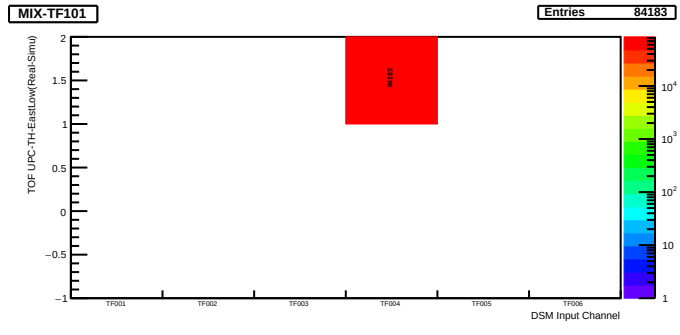

MIX-TF101
Entries 1697328
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

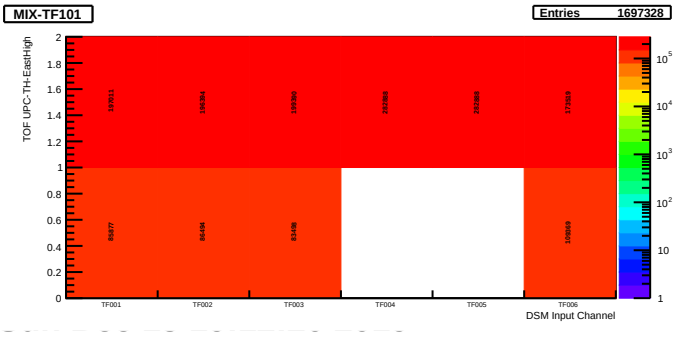

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

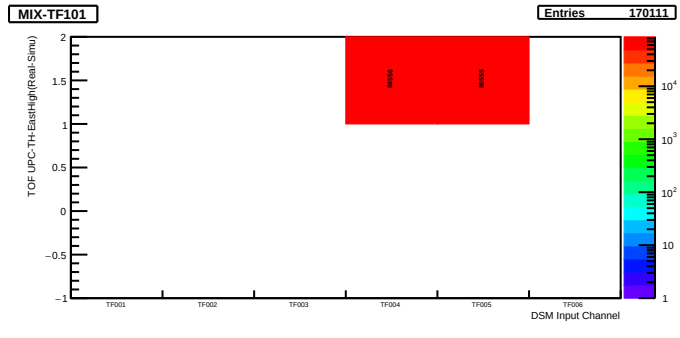

MIX-TF101
Entries 1697328
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

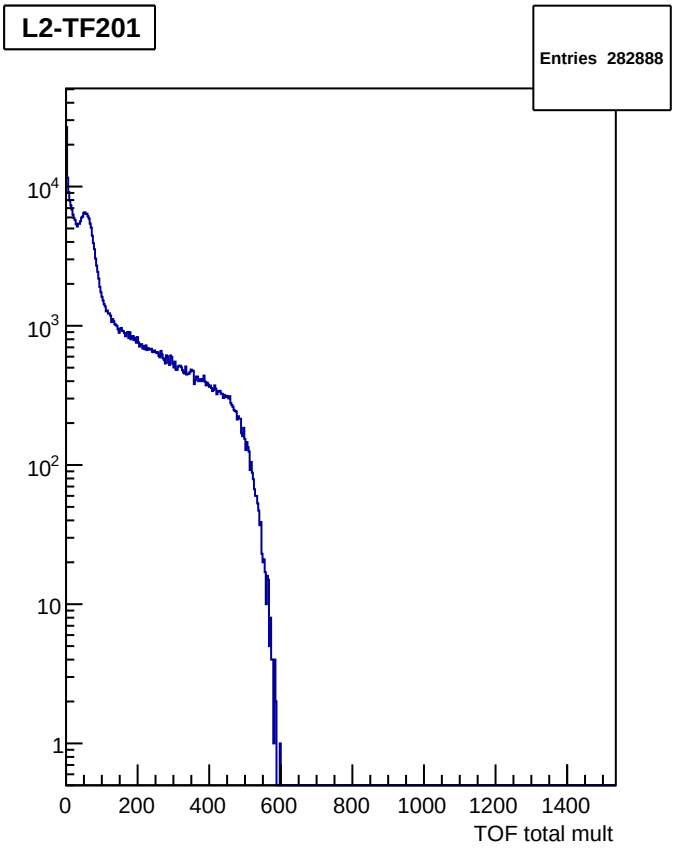

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

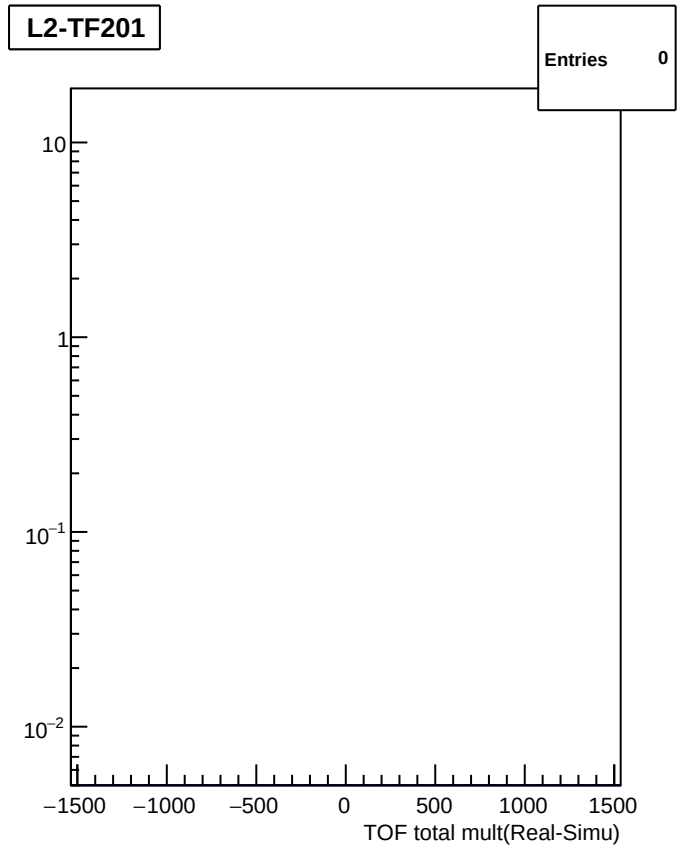

MIX-TF101
Entries 1697328
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

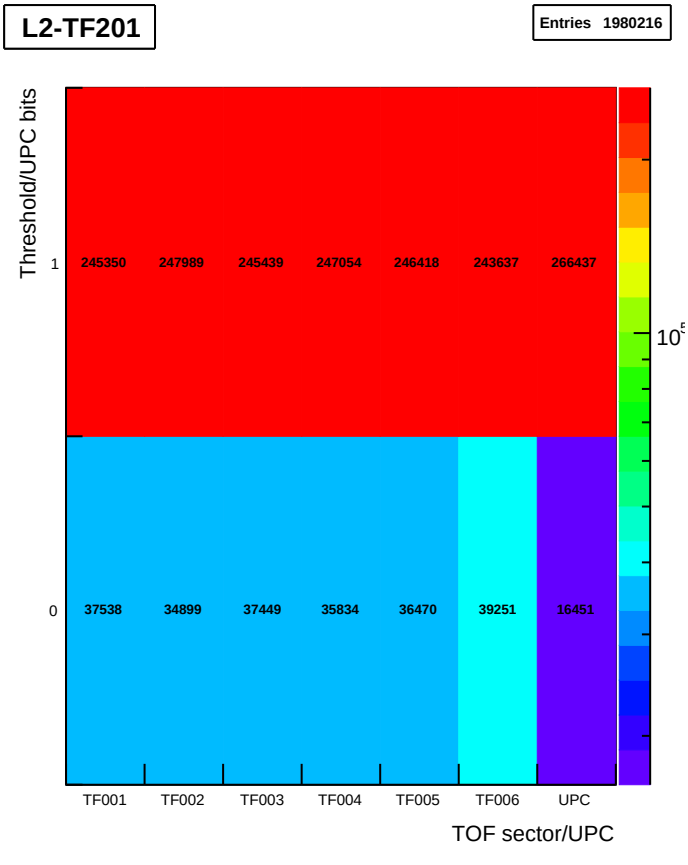

MIX-TF101
Entries 84183
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

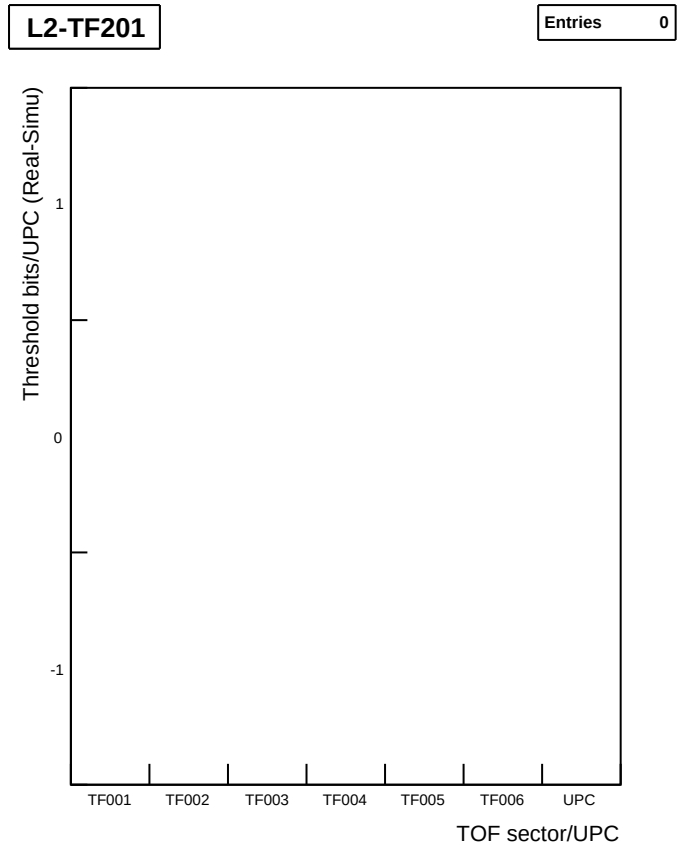

MIX-TF101
Entries 1697328
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

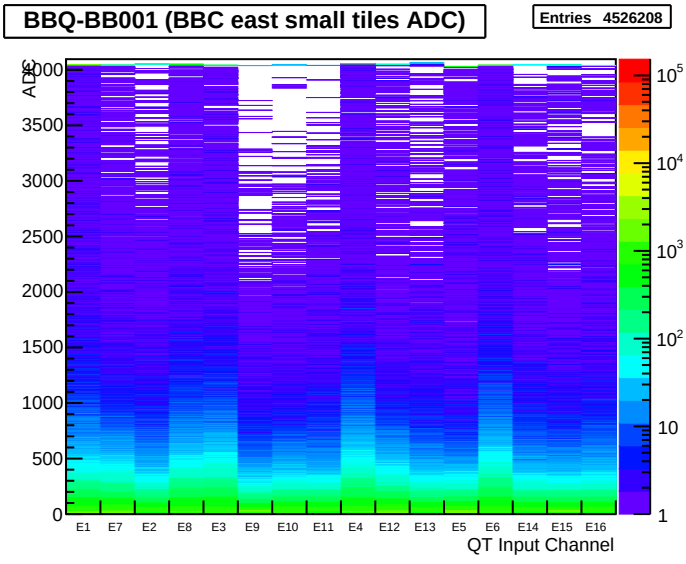

MIX-TF101
Entries 170111
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

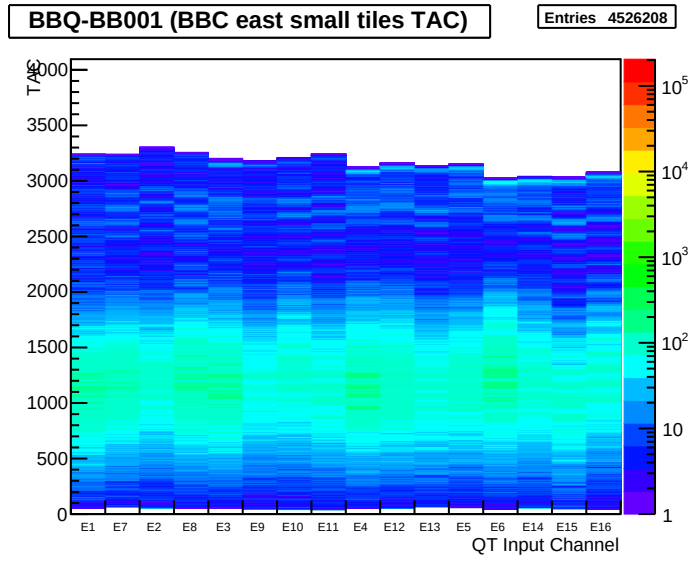

L2-TF201
Entries 282888
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

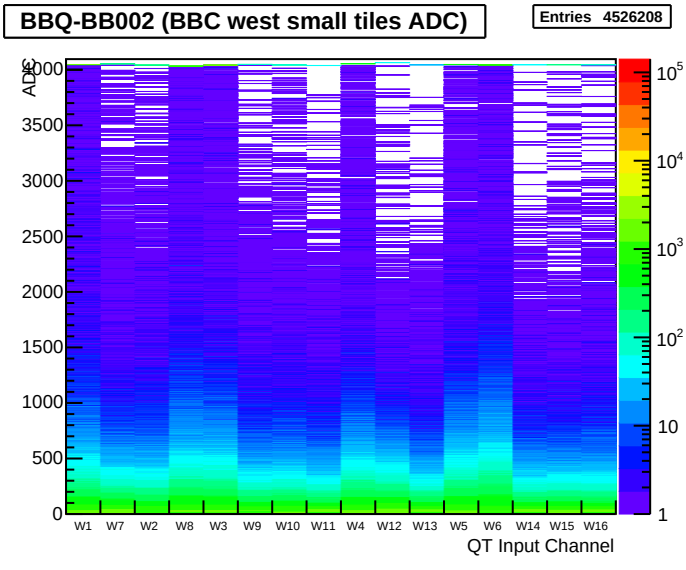

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

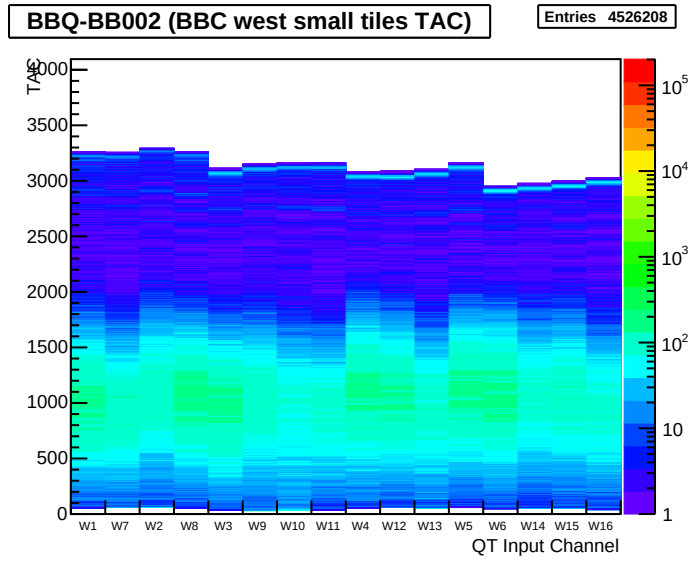

L2-TF201
Entries 1980216
Threshold/UPC bits
1
0
245350
247989
245439
247054
246418
243637
266437
37538
34899
37449
35834
36470
39251
16451
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

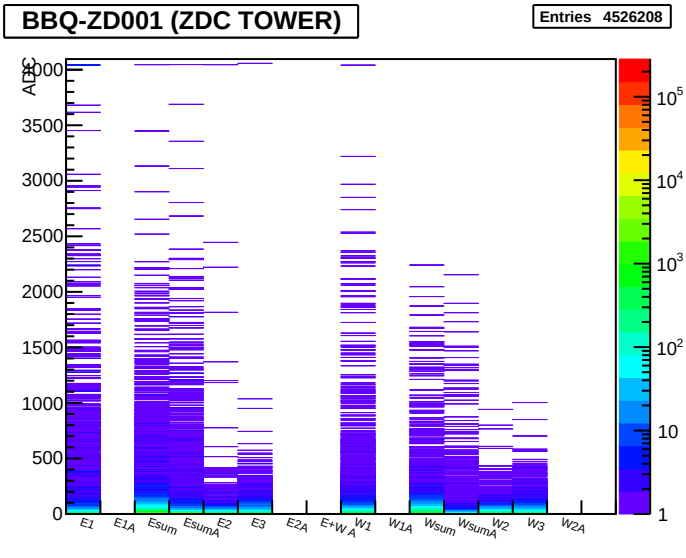

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

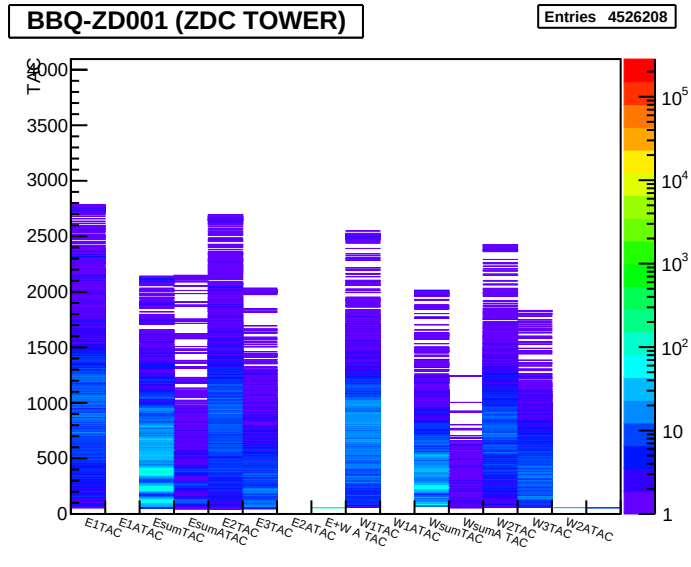

BBQ-BB001 (BBC east small tiles ADC)
Entries 4526208
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

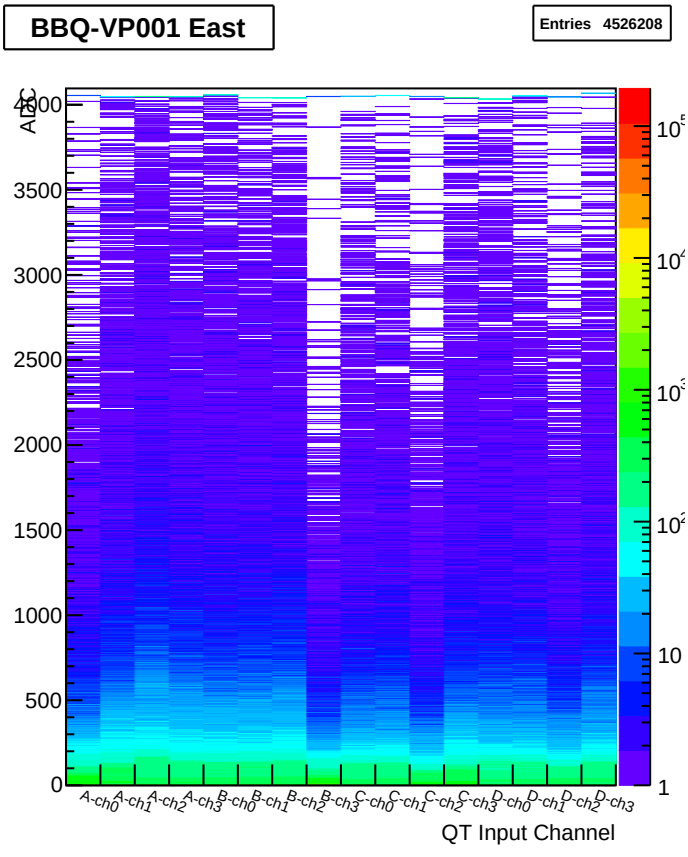

BBQ-BB001 (BBC east small tiles TAC)
Entries 4526208
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

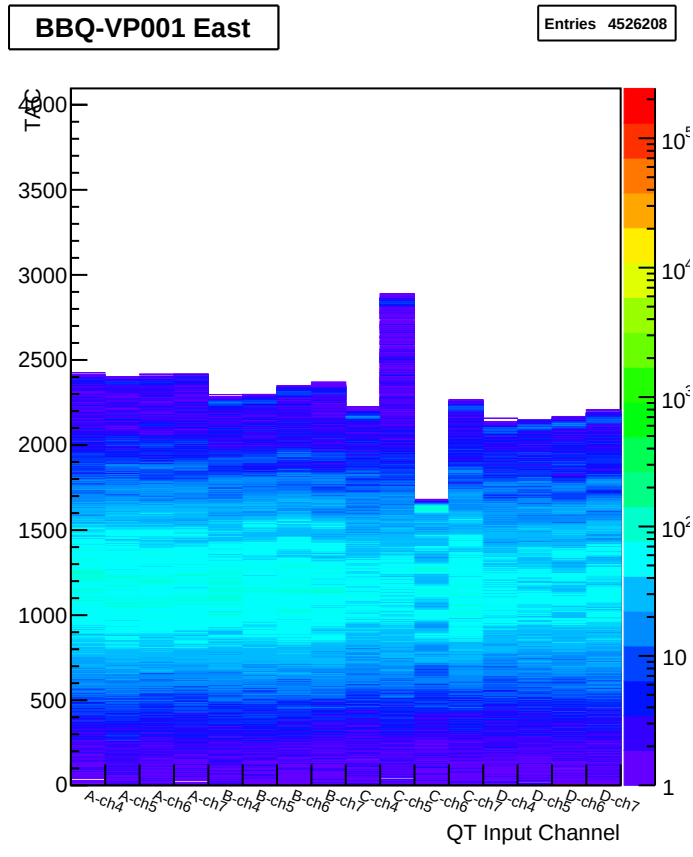

BBQ-BB002 (BBC west small tiles ADC)
Entries 4526208
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

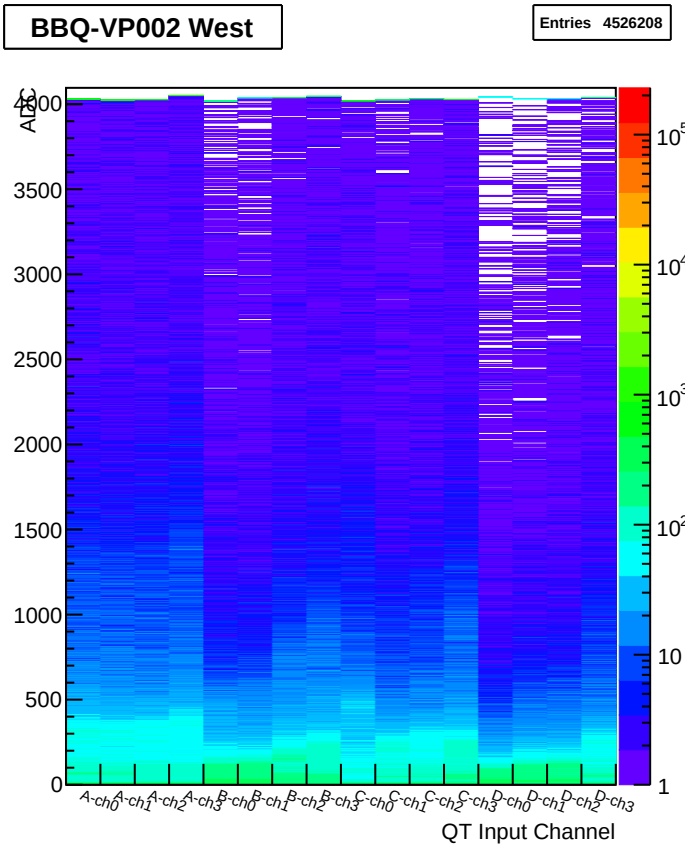

BBQ-BB002 (BBC west small tiles TAC)
Entries 4526208
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

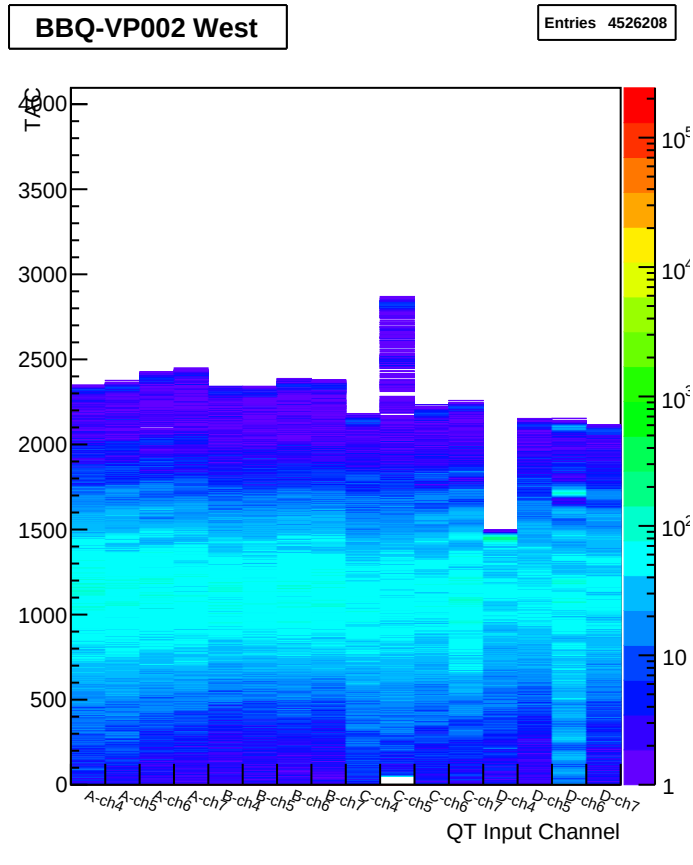

BBQ-ZD001 (ZDC TOWER)
Entries 4526208
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

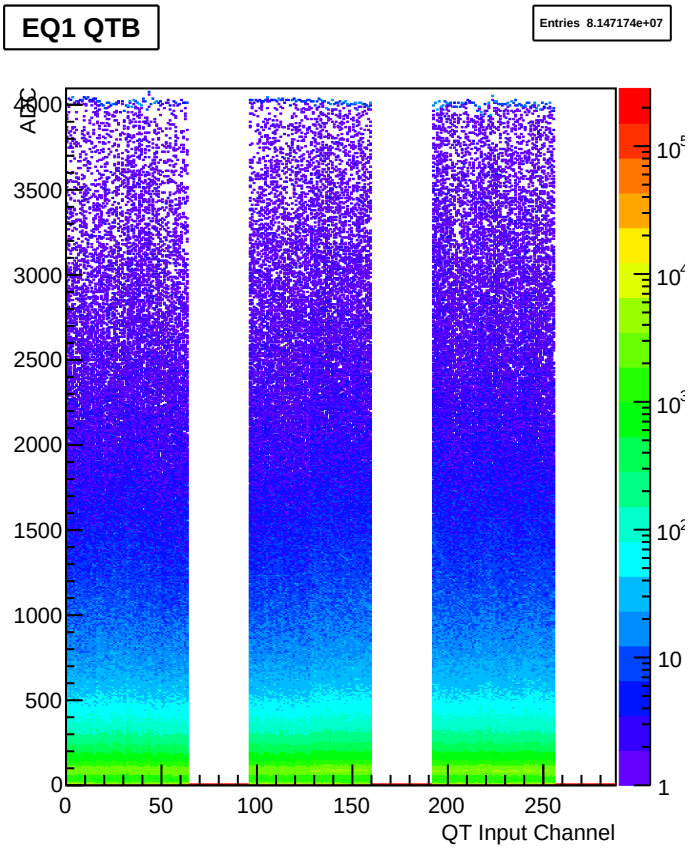

BBQ-ZD001 (ZDC TOWER)
Entries 4526208
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

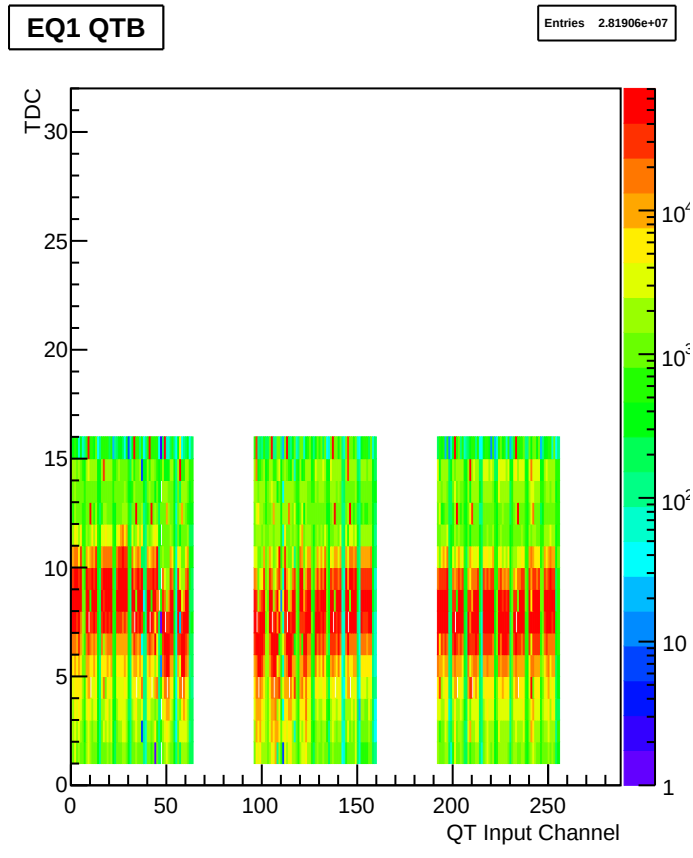

BBQ-VP001 East
Entries 4526208
ADC
QT Input Channel

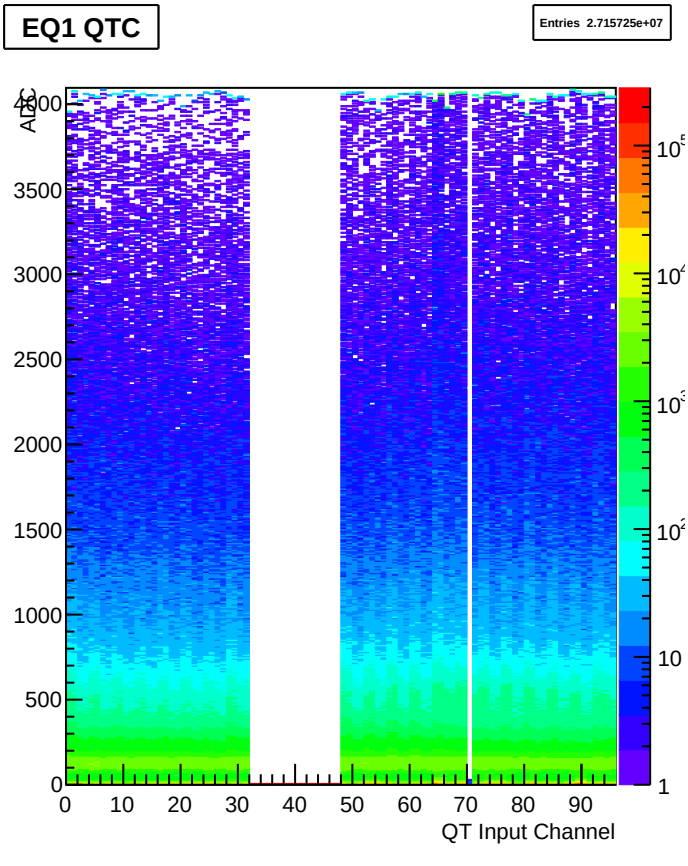

BBQ-VP001 East
Entries 4526208
TADC
QT Input Channel

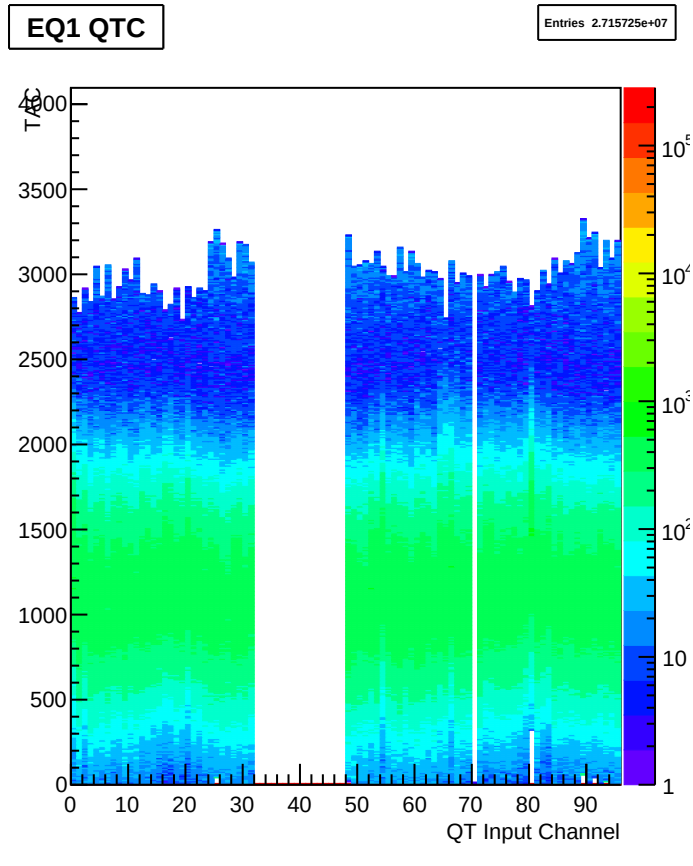

BBQ-VP002 West
Entries 4526208
ADC
QT Input Channel

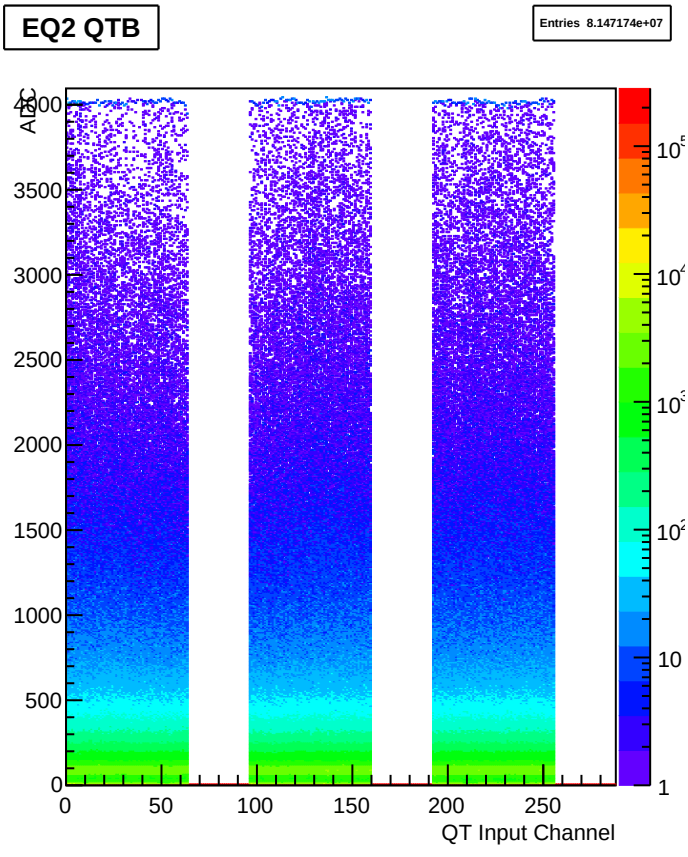

BBQ-VP002 West
Entries 4526208
TADC
QT Input Channel

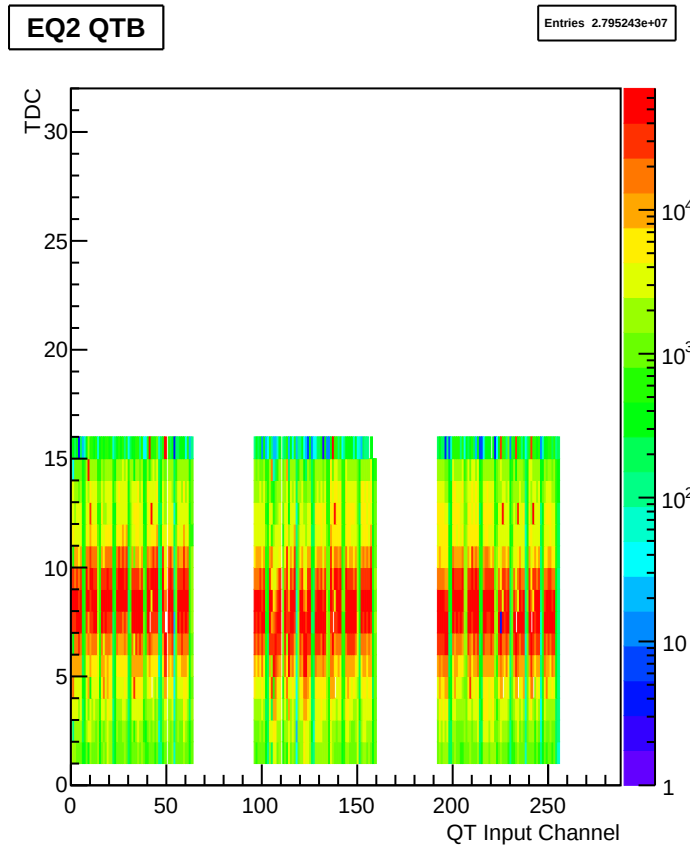

EQ1 QTB
Entries 8.147174e+07
ADC
QT Input Channel

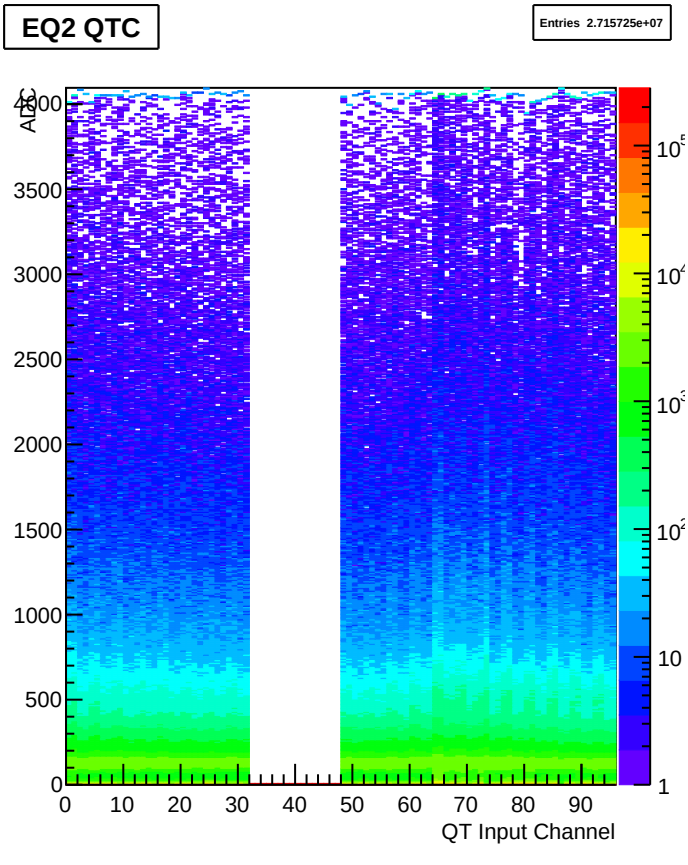

EQ1 QTB
Entries 2.81906e+07
TDC
QT Input Channel

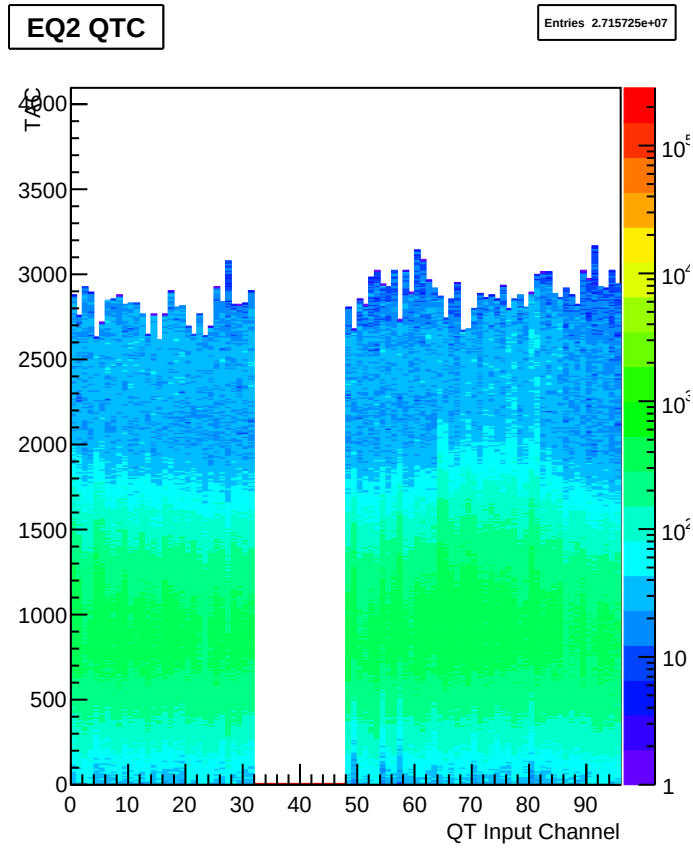

EQ1 QTC
Entries 2.715725e+07
ADC
QT Input Channel

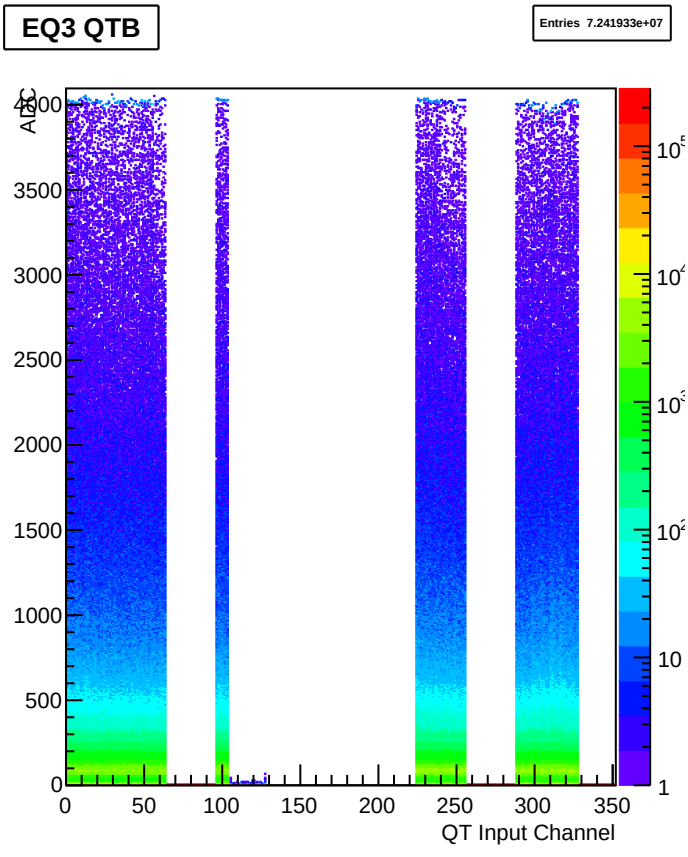

EQ1 QTC
Entries 2.715725e+07
TADC
QT Input Channel

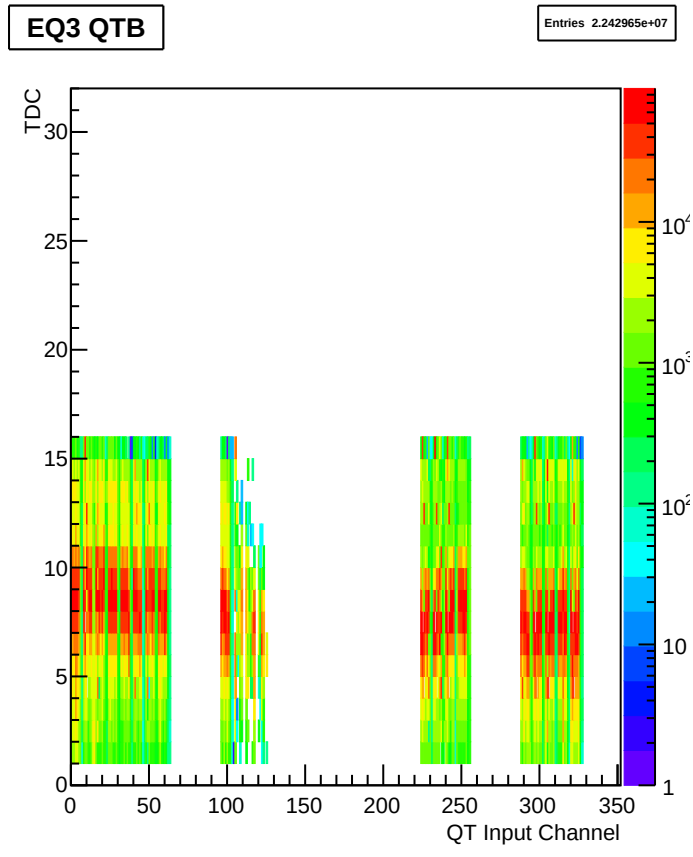

EQ2 QTB
Entries 8.147174e+07
ADC
QT Input Channel

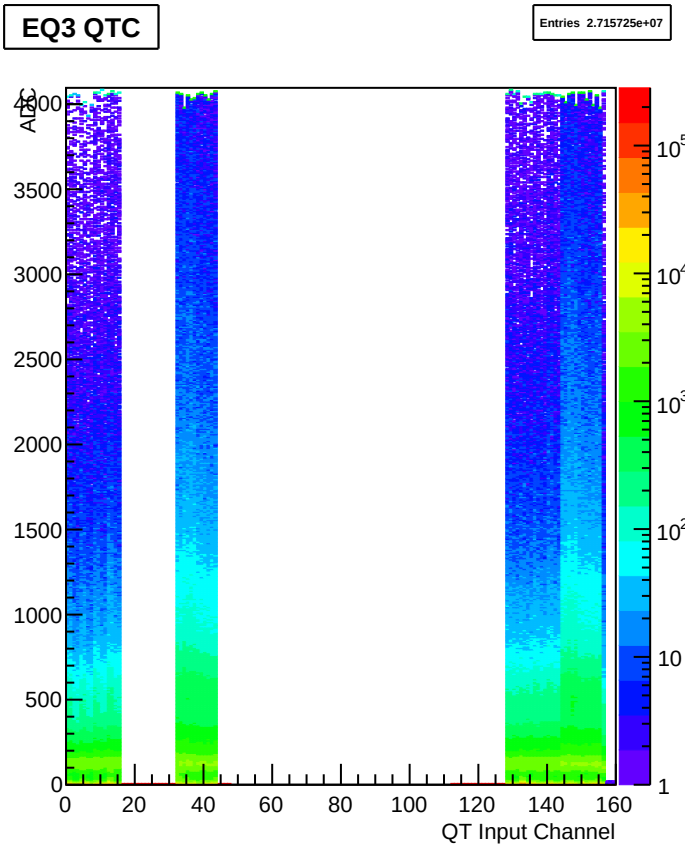

EQ2 QTB
Entries 2.795243e+07
TDC
QT Input Channel

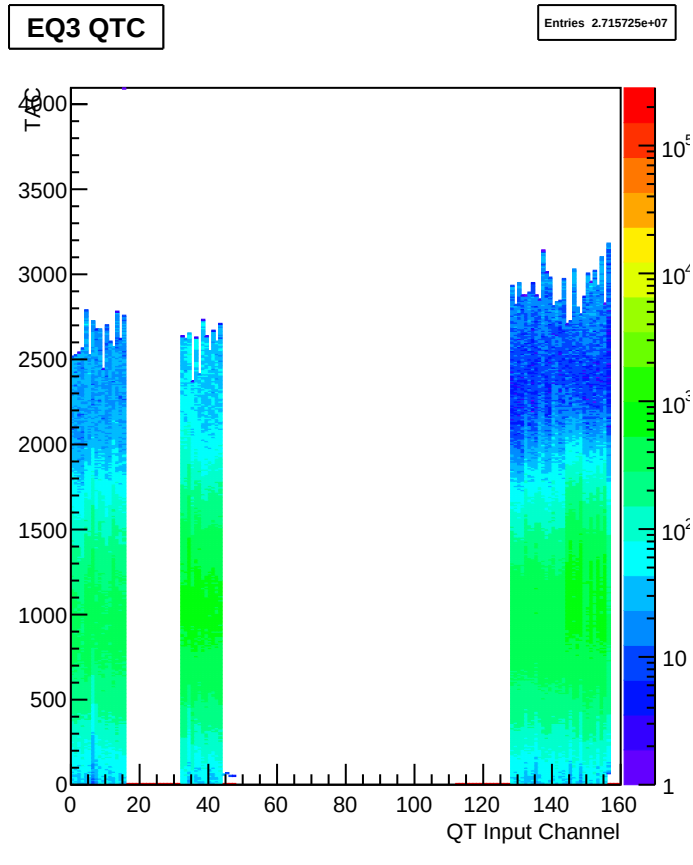

EQ2 QTC
Entries 2.715725e+07
ADC
QT Input Channel

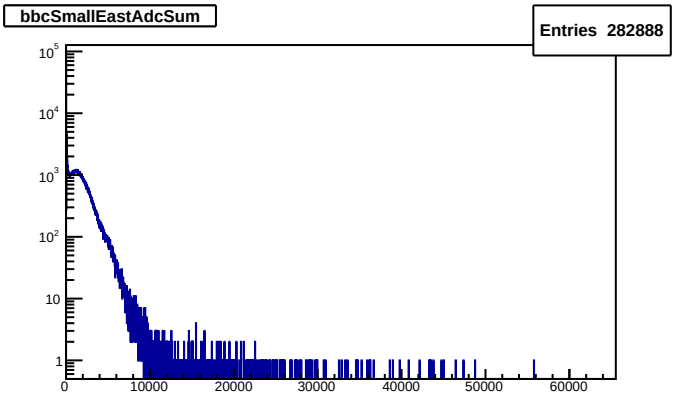

EQ2 QTC
Entries 2.715725e+07
TADC
QT Input Channel

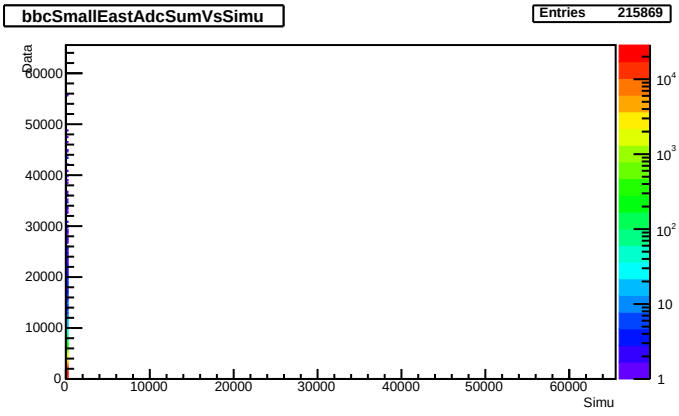

EQ3 QTB
Entries 7.241933e+07
ADC
QT Input Channel

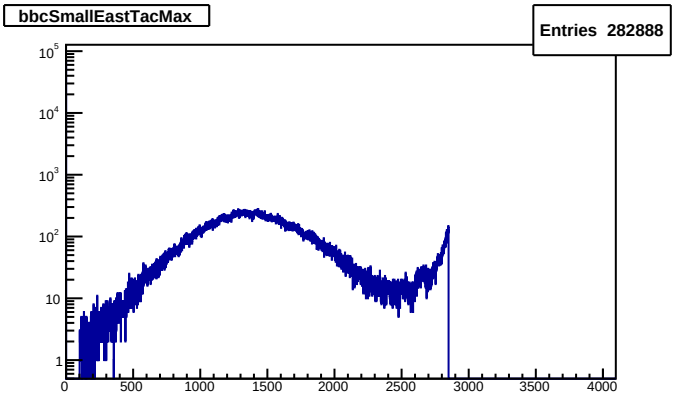

EQ3 QTB
Entries 2.242965e+07
TDC
QT Input Channel

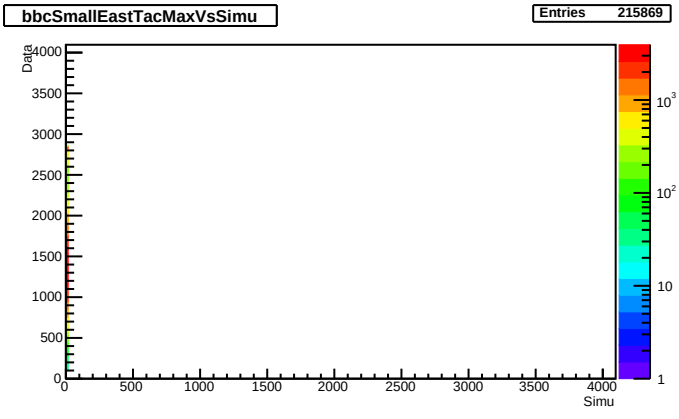

EQ3 QTC
Entries 2.715725e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.715725e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 282888


bbcSmallEastAdcSumVsSimu
Entries 215869
Data
Simu


bbcSmallEastTacMax
Entries 282888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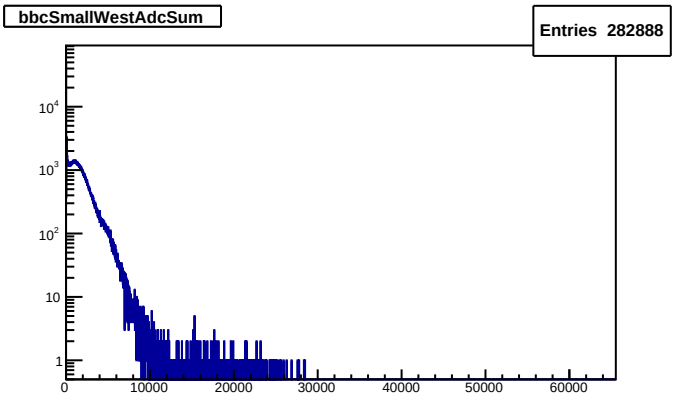
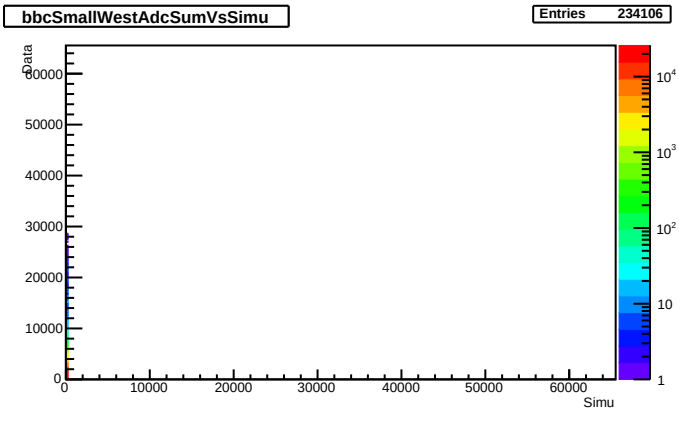
Entries 215869
Data
Simu


bbcSmallWestAdcSum
Entries 282888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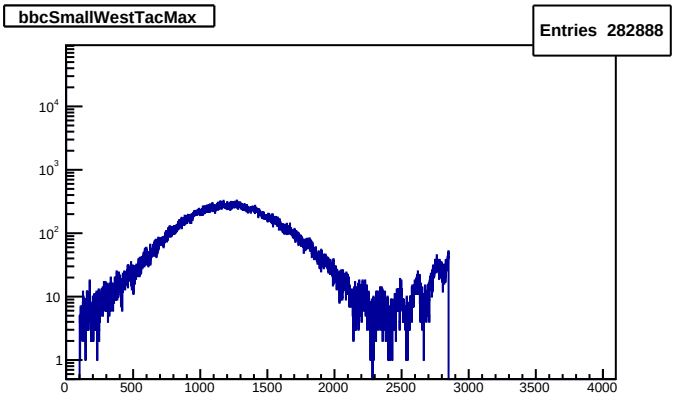
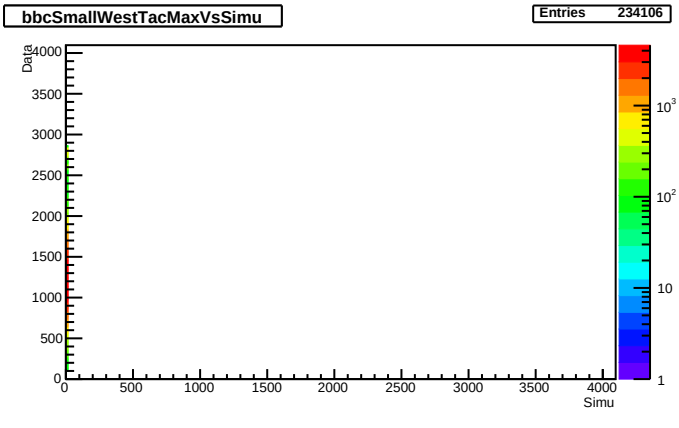
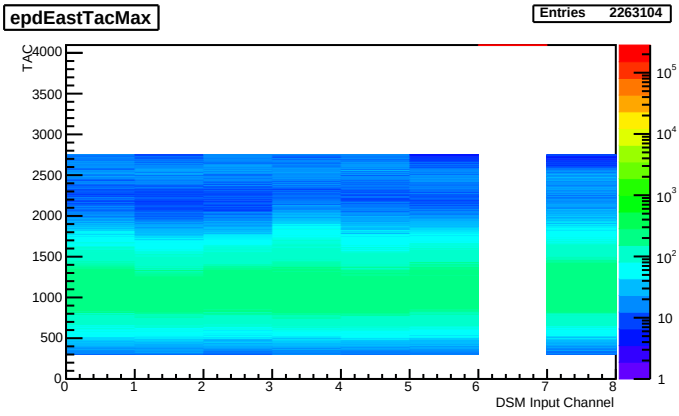
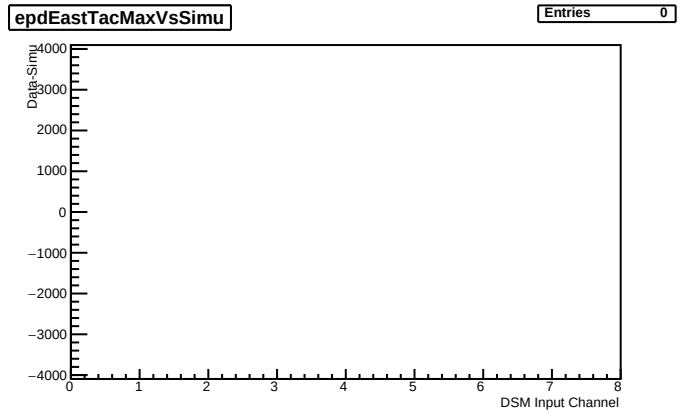
Entries 234106
Data
Simu


bbcSmallWestTacMax
Entries 282888


bbcSmallWestTacMaxVsSimu
Entries 234106
Data
Simu


epdEastTacMax
Entries 2263104
TAC
DSM Input Channel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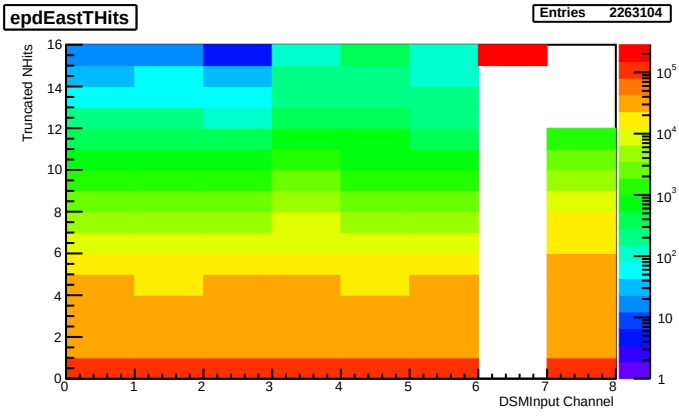
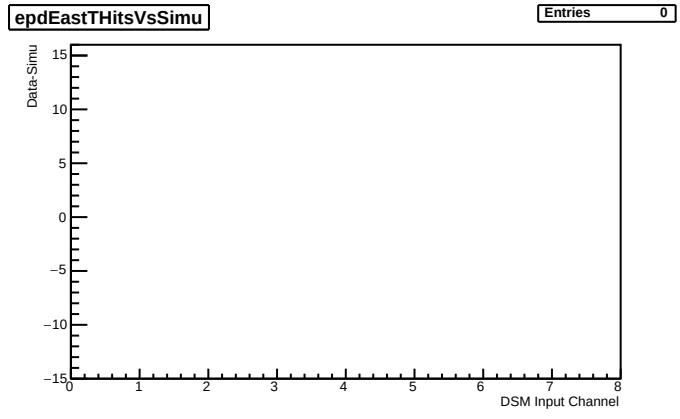
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2263104
Truncated NHits
DSMInput Channel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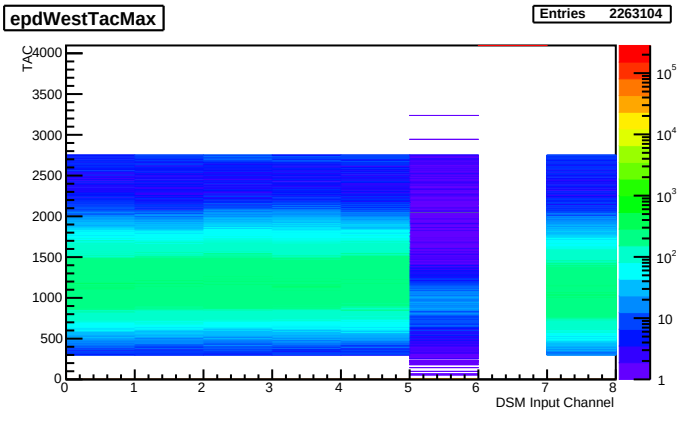
Data-Simu
DSM Input Channel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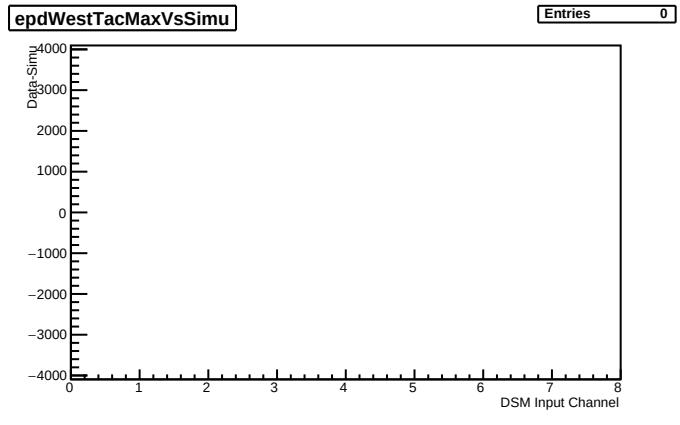
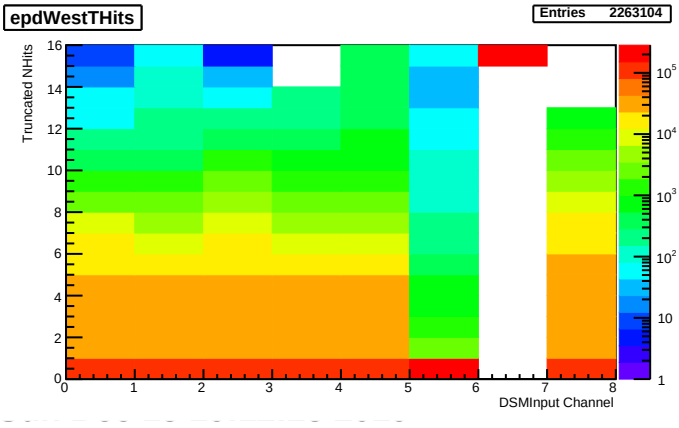
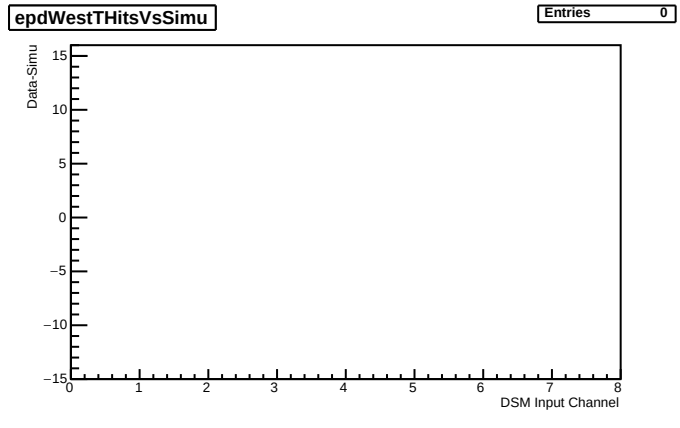
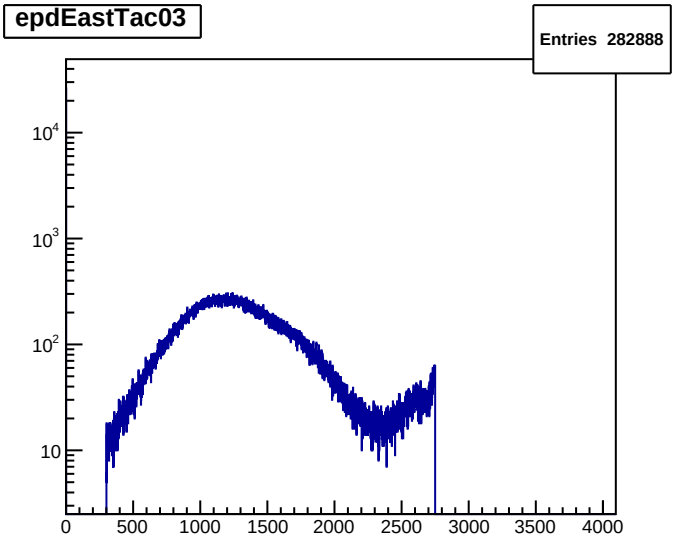
Entries 2263104
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2263104
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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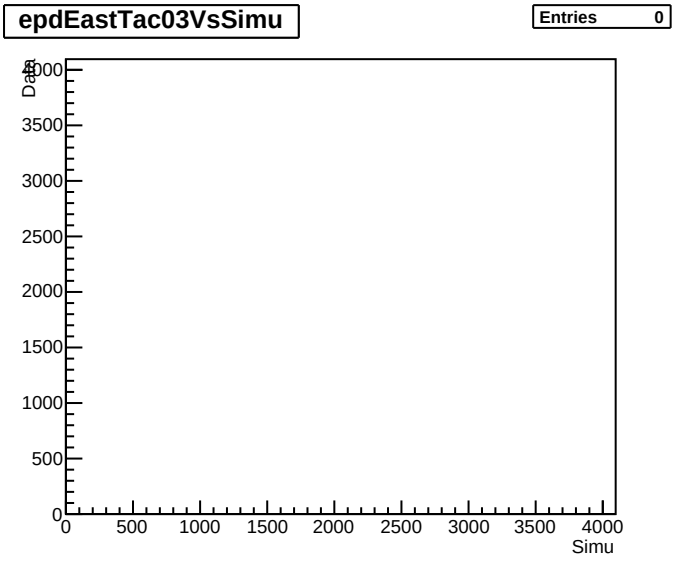
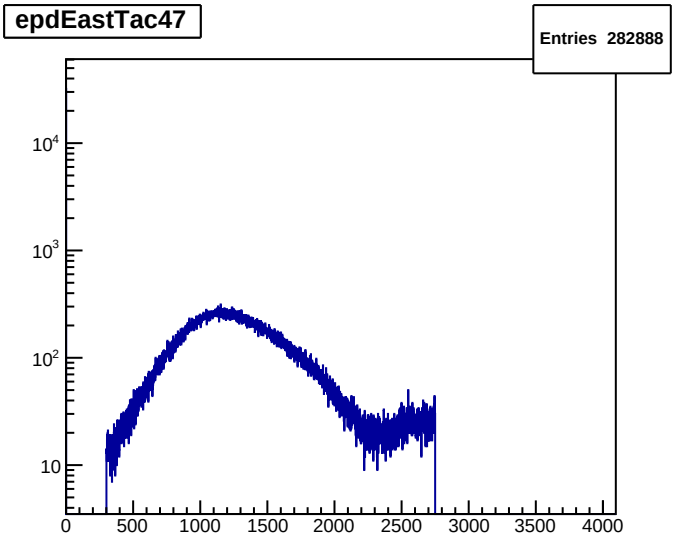
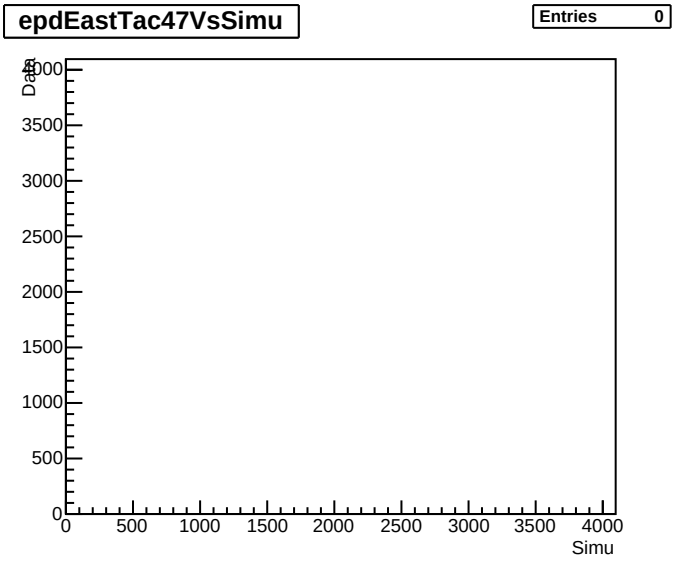
Entries 282888
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


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


epdEastTac47
Entries 282888
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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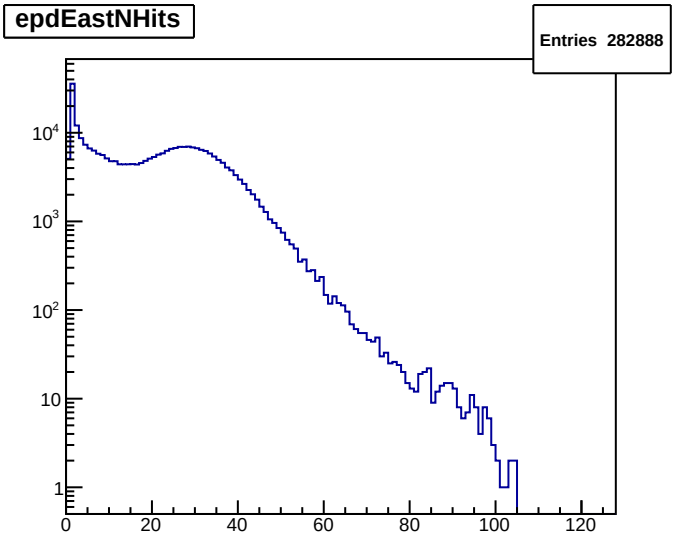
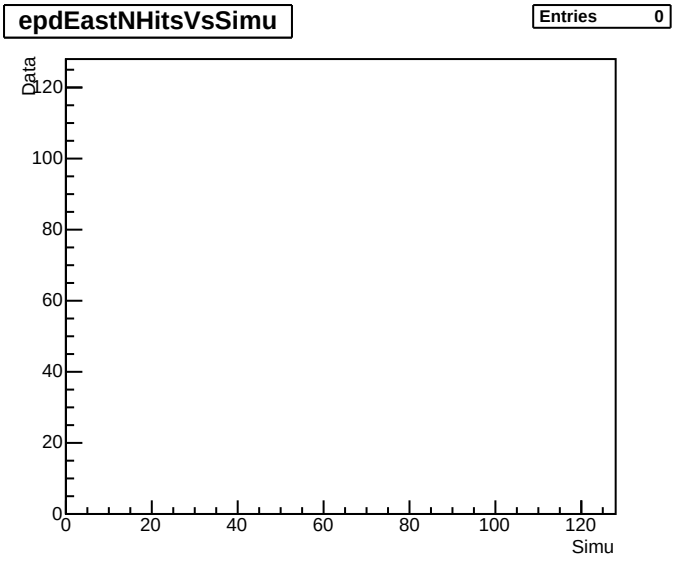
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 282888
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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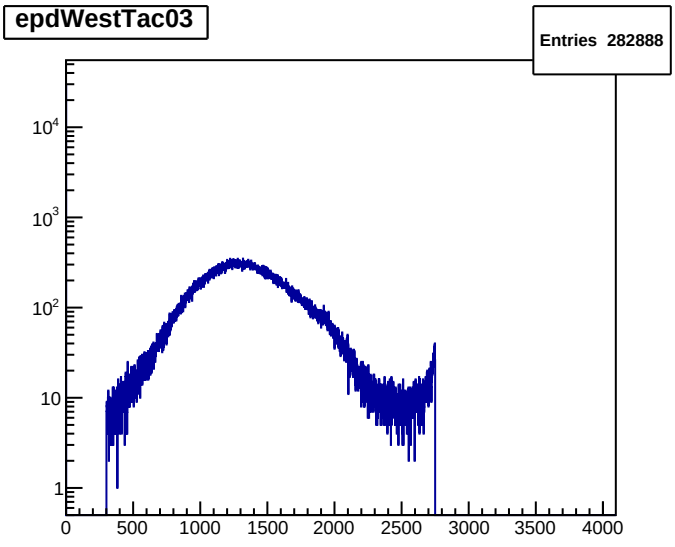
0 20 40 60 80 100 120
Simu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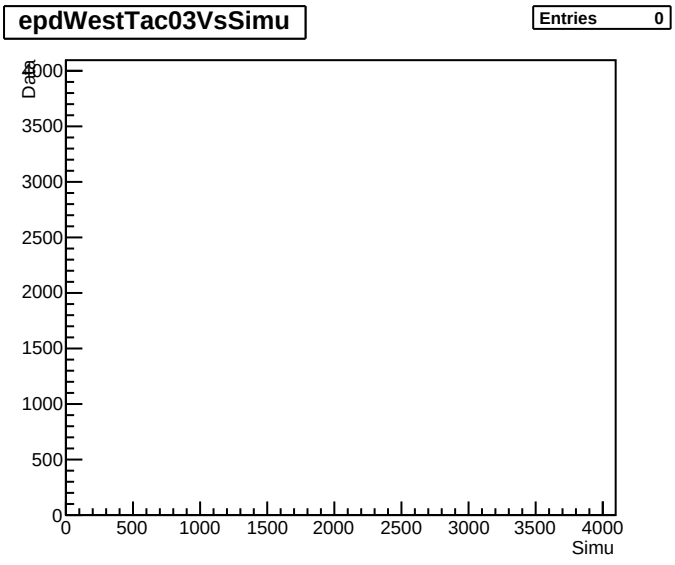
Entries 282888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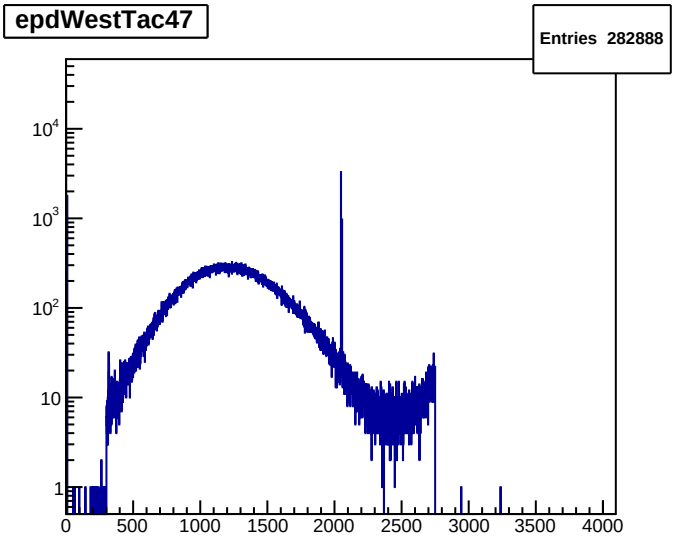
Entries 0
Data
Simu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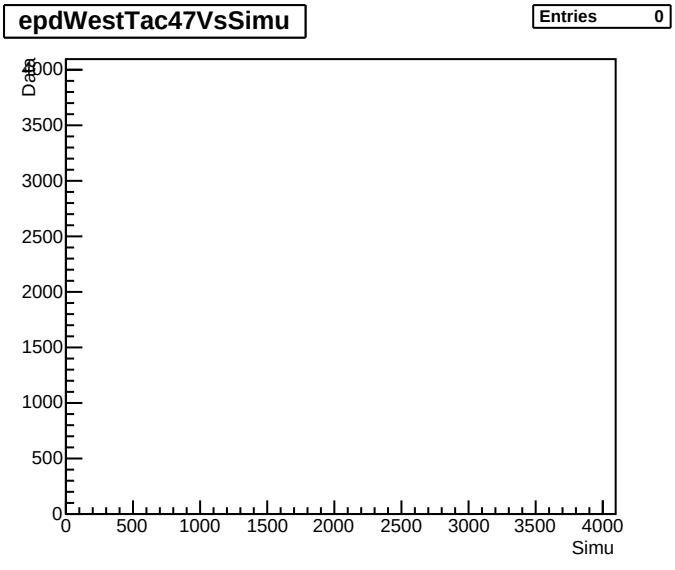
Entries 282888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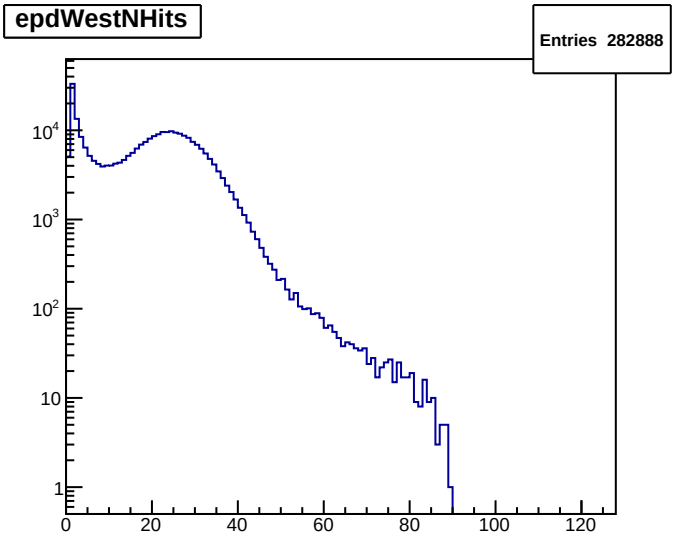
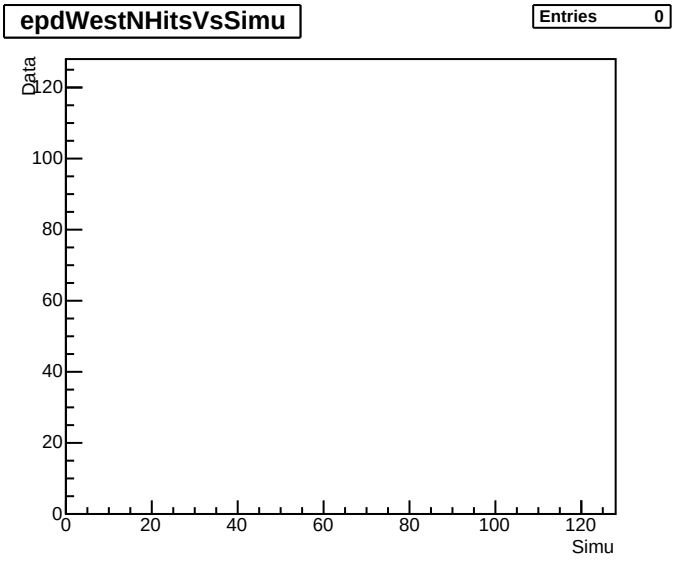
Entries 0
Data
Simu


epdWestNHits
Entries 282888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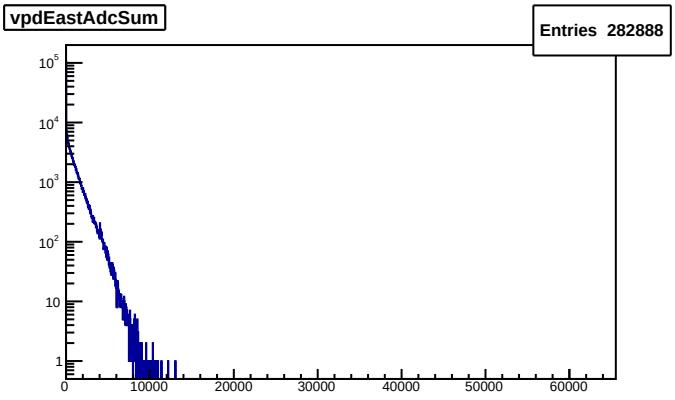
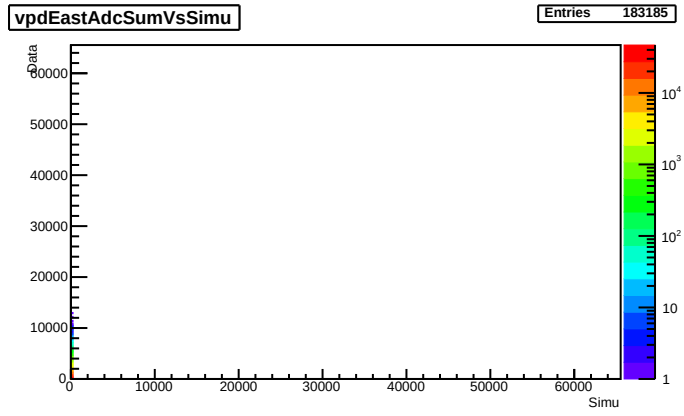
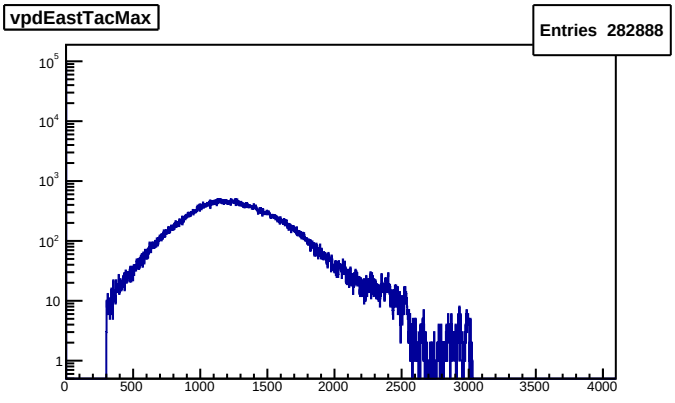
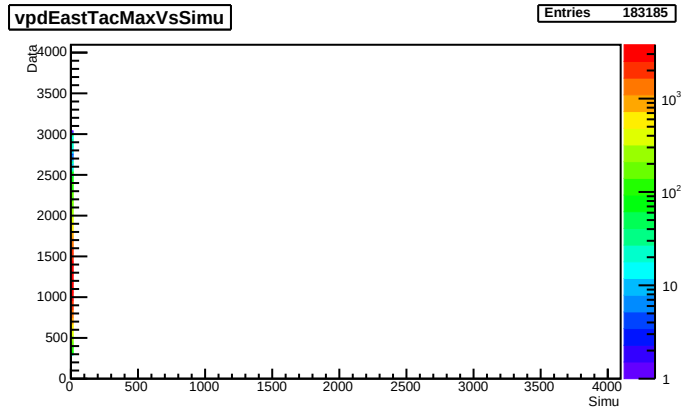
Entries 0
Data
Simu


vpdEastAdcSum
Entries 282888


vpdEastAdcSumVsSimu
Entries 183185
Data
Simu


vpdEastTacMax
Entries 282888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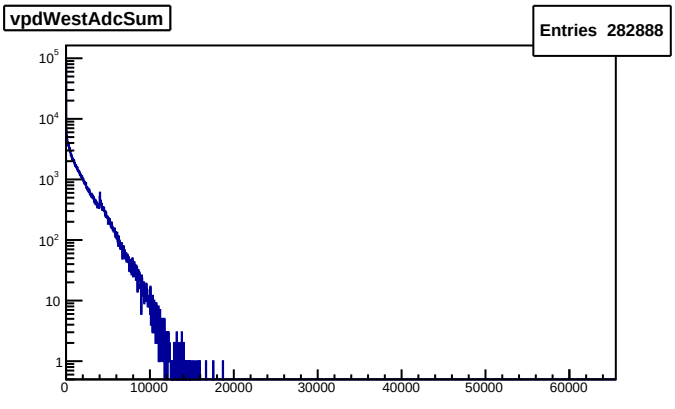
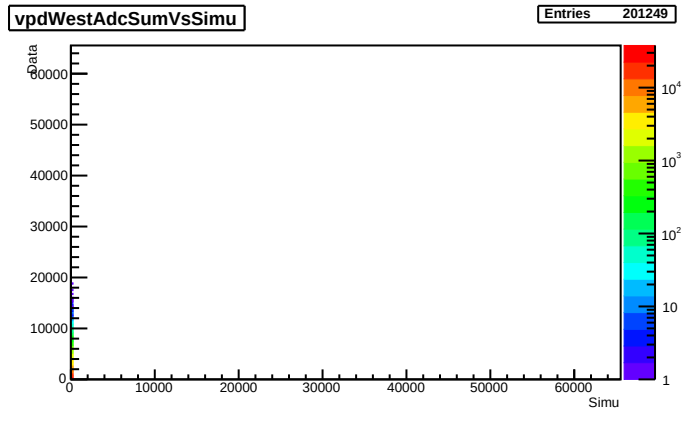
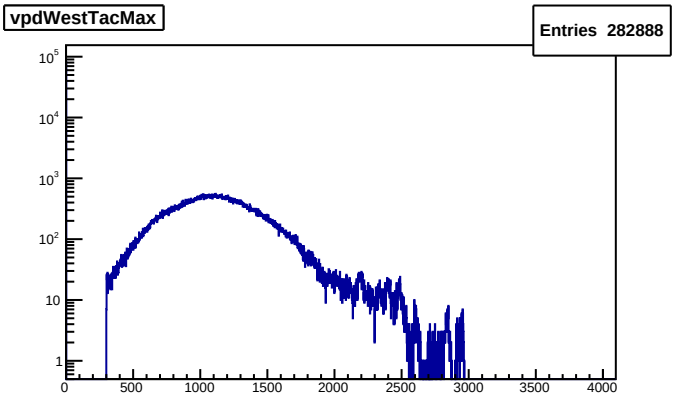
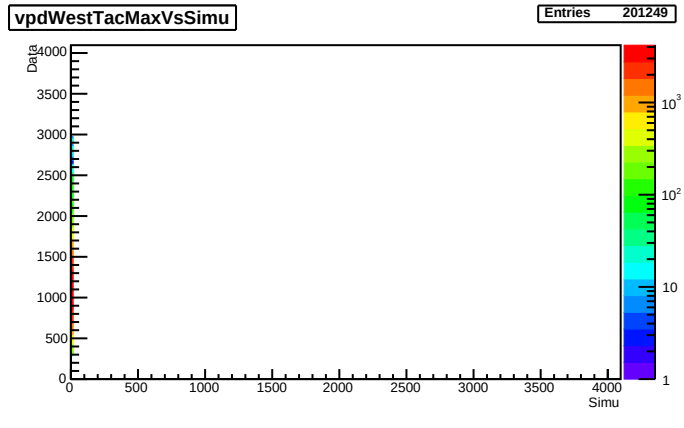
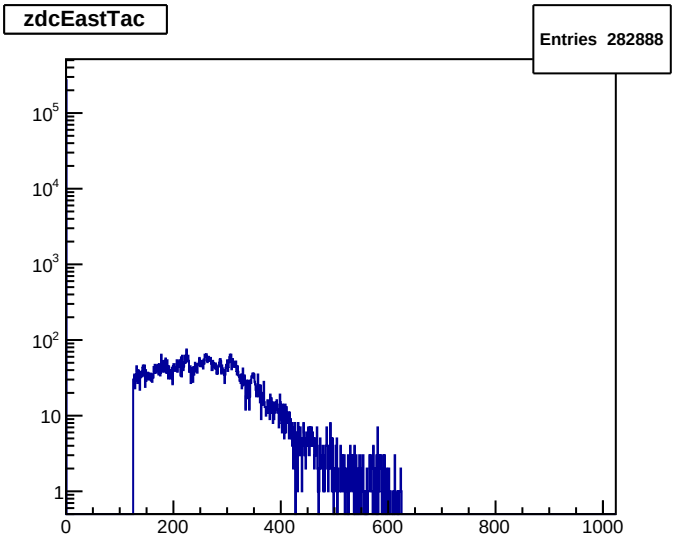
Entries 183185
Data
Simu

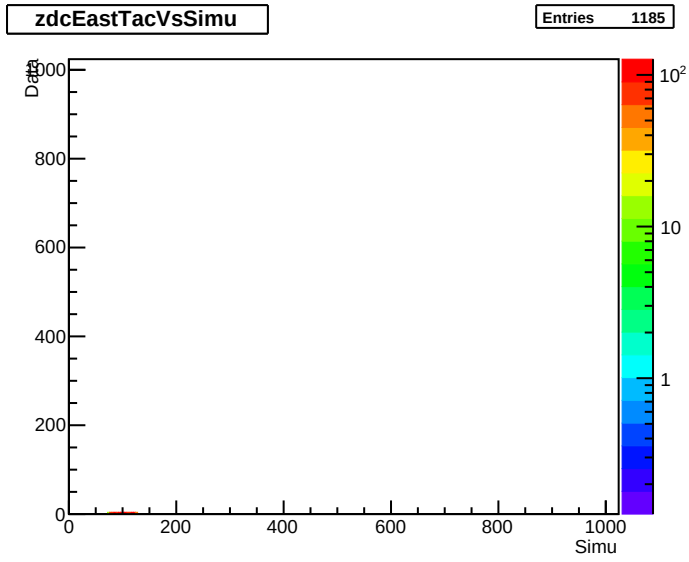

vpdWestAdcSum
Entries 282888

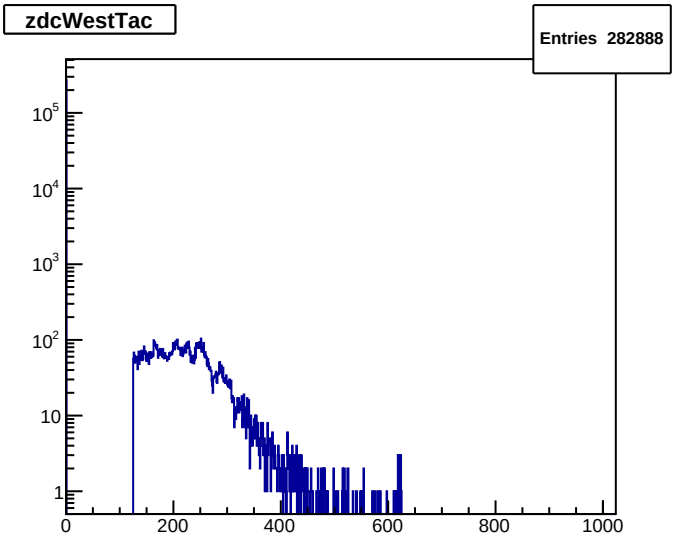

vpdWestAdcSumVsSimu
Entries 201249
Data
Simu

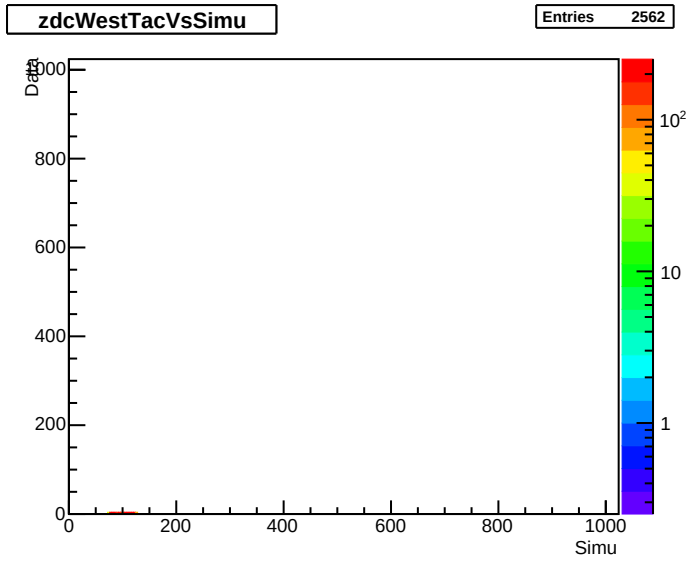

vpdWestTacMax
Entries 282888

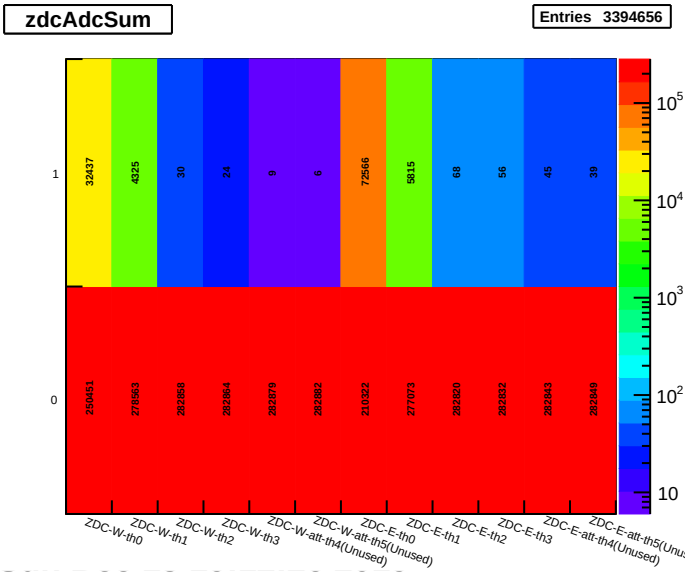

vpdWestTacMaxVsSimu
Entries 201249
Data
Simu

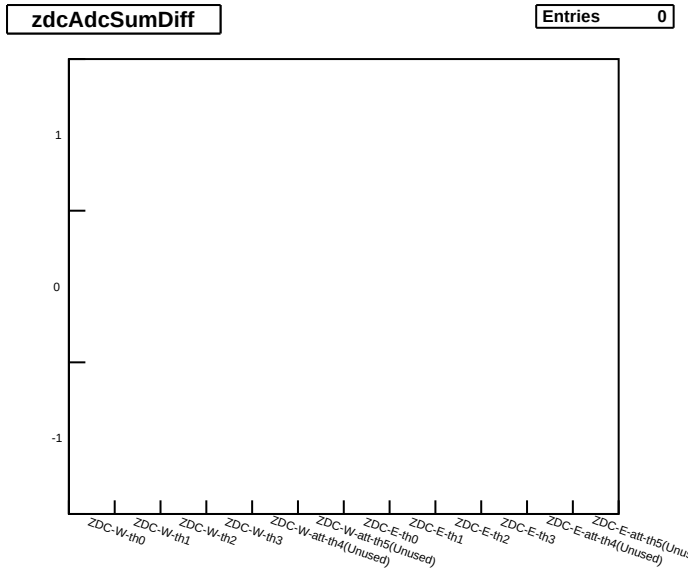

zdcEastTac
Entries 282888

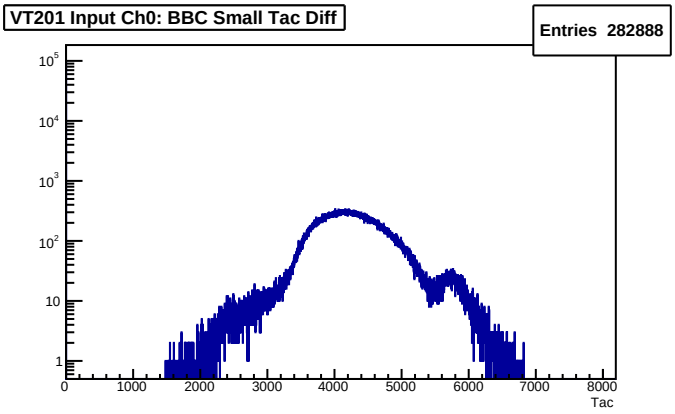

zdcEastTacVsSimu
Entries 1185
Data
Simu

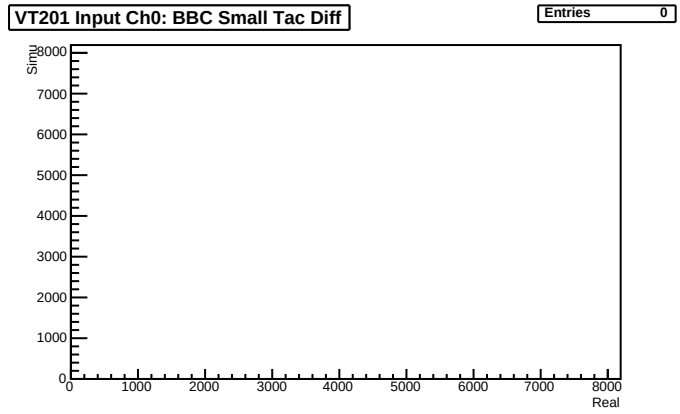

zdcWestTac
Entries 282888

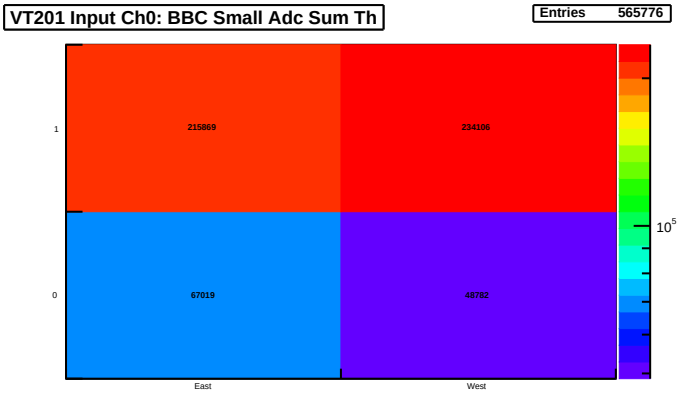

zdcWestTacVsSimu
Entries 2562
Data
Simu

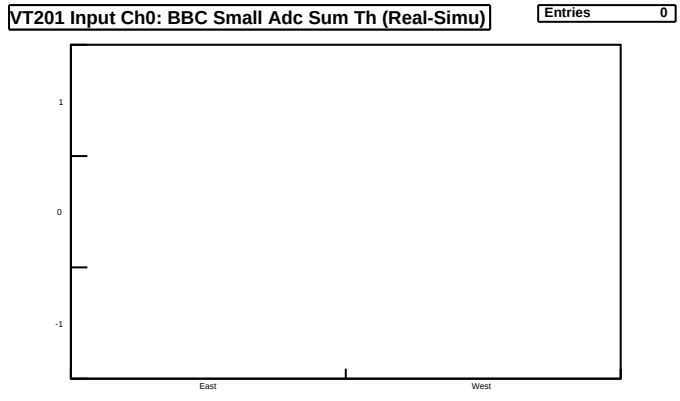

zdcAdcSum
Entries 3394656
32437
4325
30
24
9
6
72566
5815
68
56
45
39
250451
278563
282858
282864
282879
282832
210322
277073
282820
282832
282843
282849
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

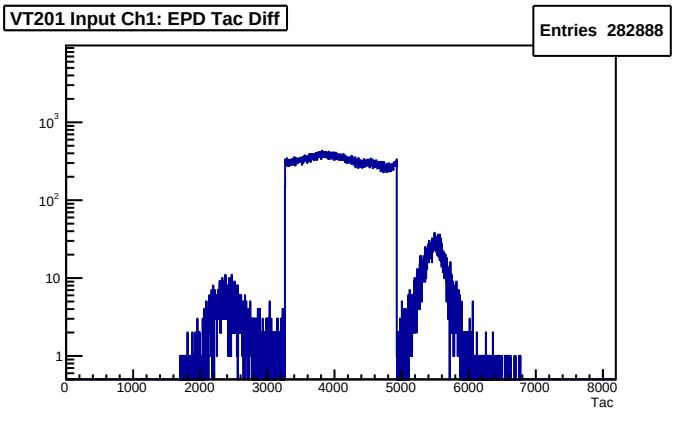

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

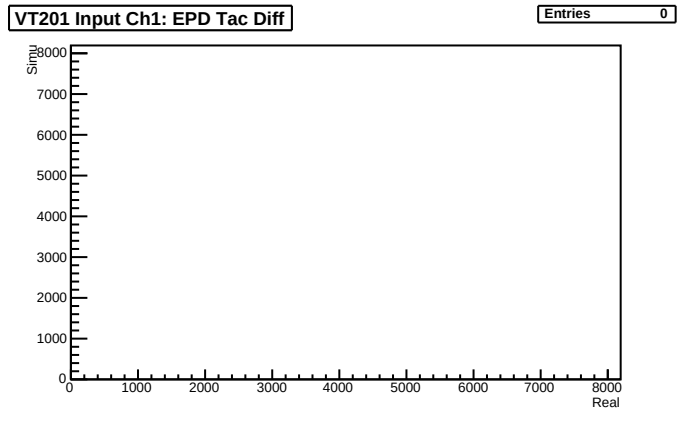

VT201 Input Ch0: BBC Small Tac Diff
Entries 282888
Tac

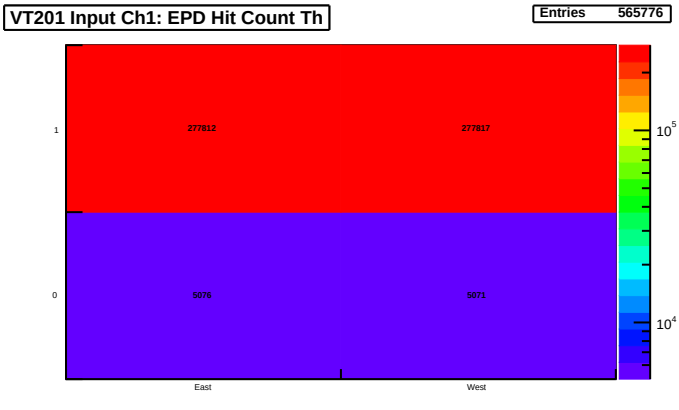

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

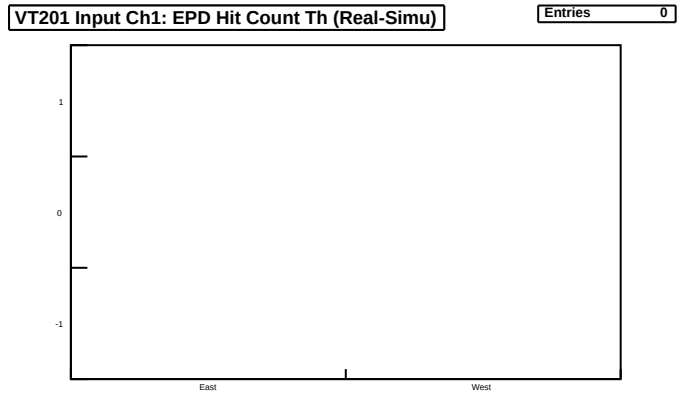

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 565776
215869
234106
67019
48782
East
West

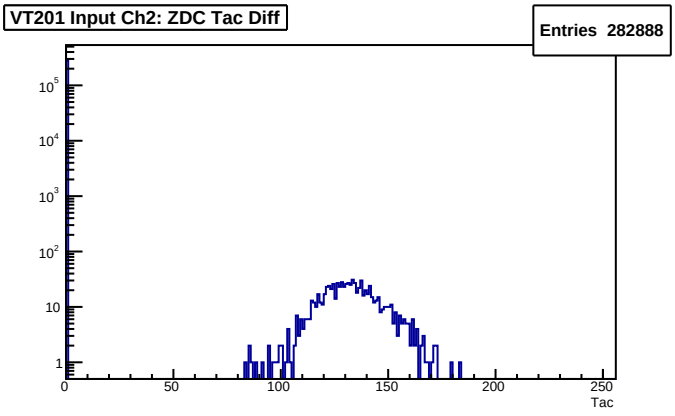

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

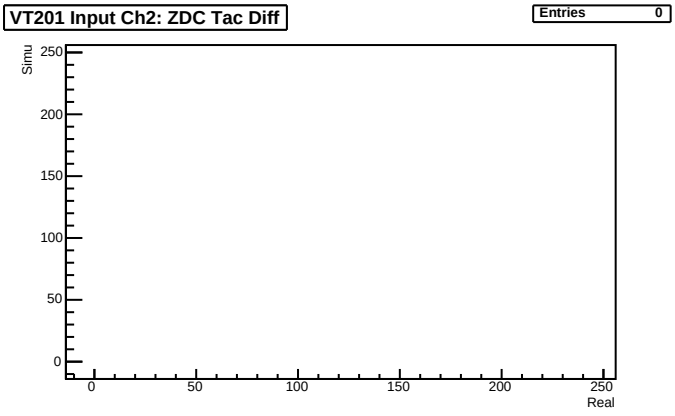

VT201 Input Ch1: EPD Tac Diff
Entries 282888
Tac

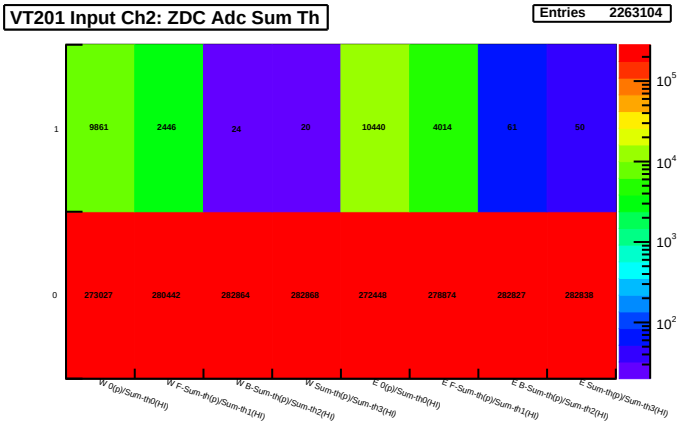

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

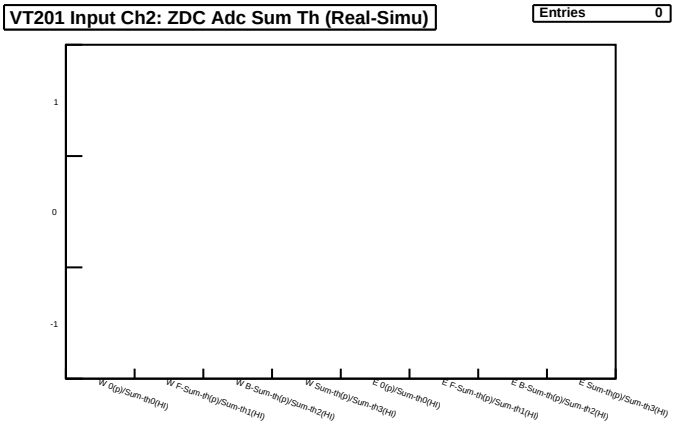

VT201 Input Ch1: EPD Hit Count Th
Entries 565776
277812
277817
5076
5071
East
West

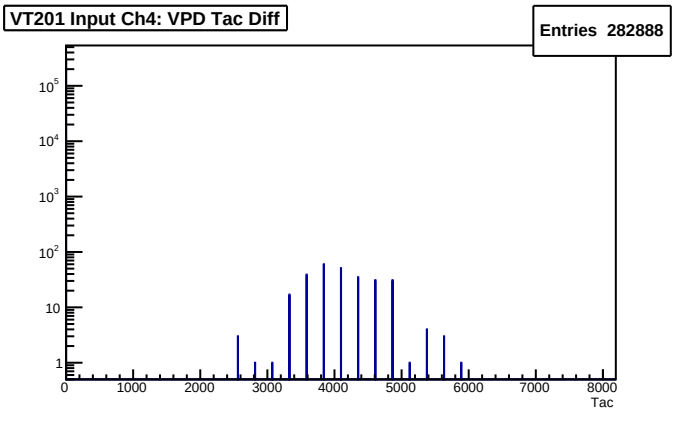

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

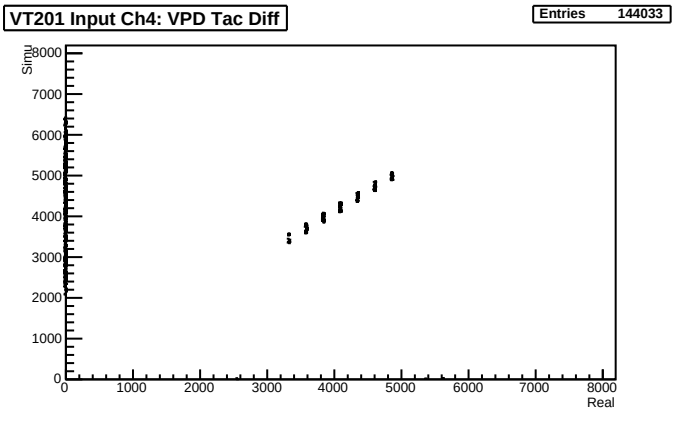

VT201 Input Ch2: ZDC Tac Diff
Entries 282888
Tac

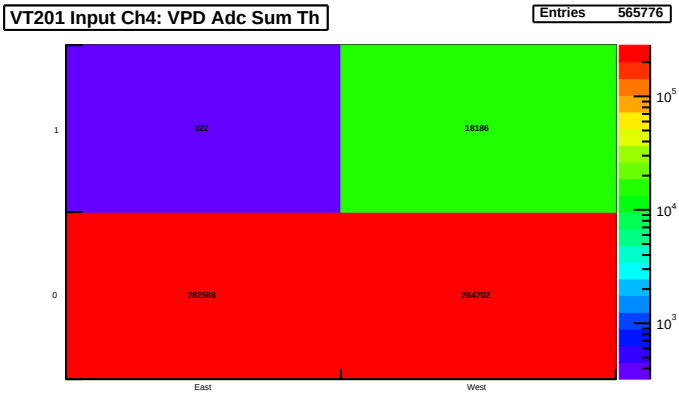

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

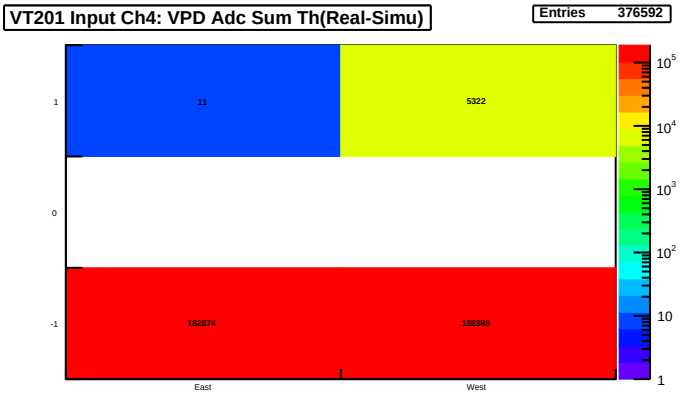

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2263104
9861
2446
24
20
10440
4014
61
50
273027
280442
282864
282868
272448
278874
282827
282838
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

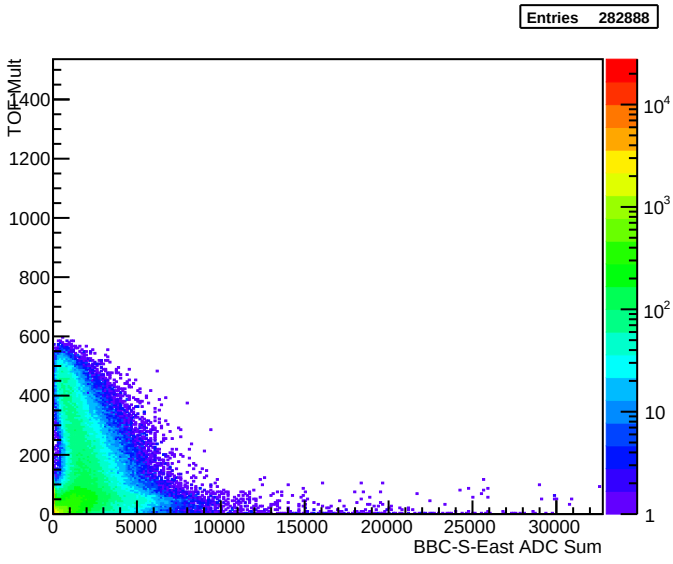

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

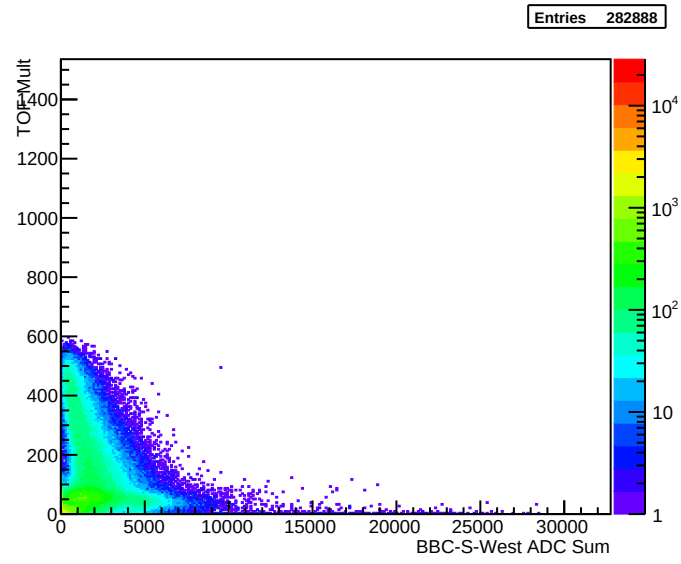

VT201 Input Ch4: VPD Tac Diff
Entries 282888
Tac

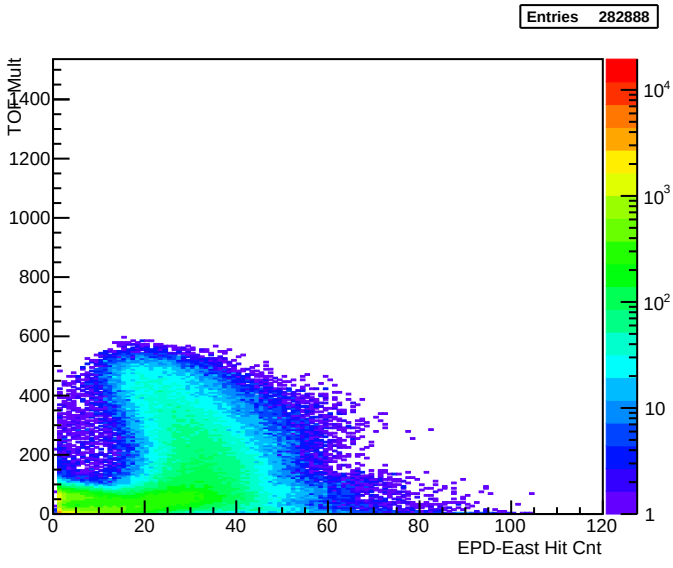

VT201 Input Ch4: VPD Tac Diff
Entries 144033
Simu
Real

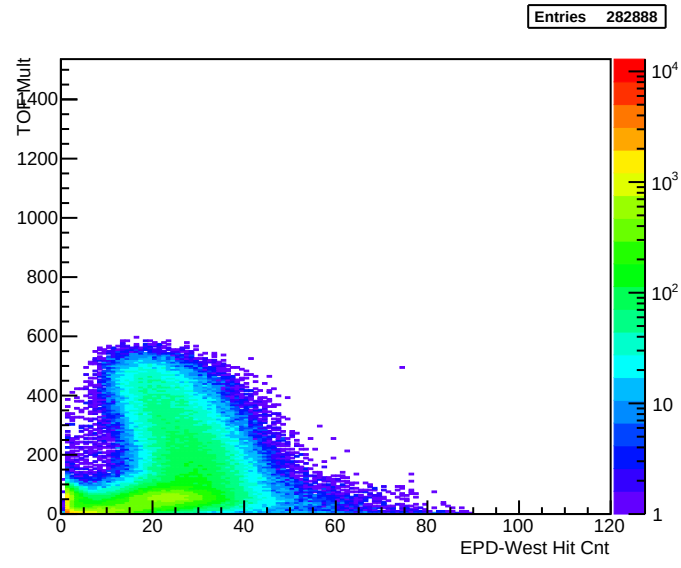

VT201 Input Ch4: VPD Adc Sum Th
Entries 565776
322
18186
282566
264702
East
West

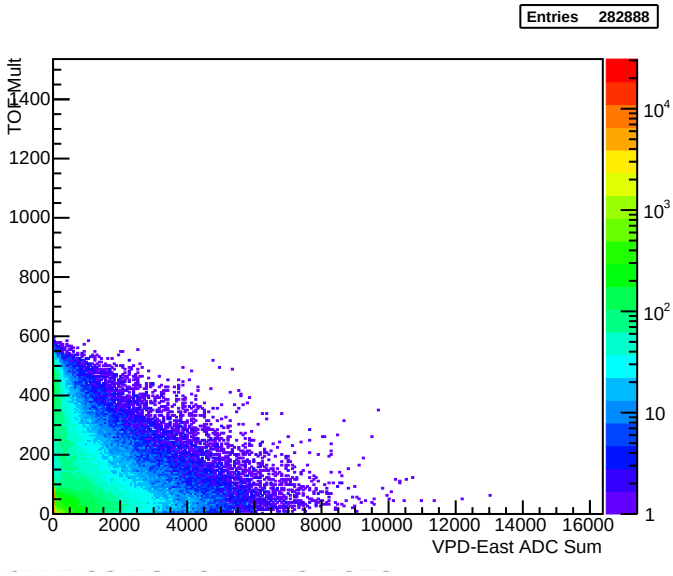

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 376592
11
5322
182874
188385
East
West

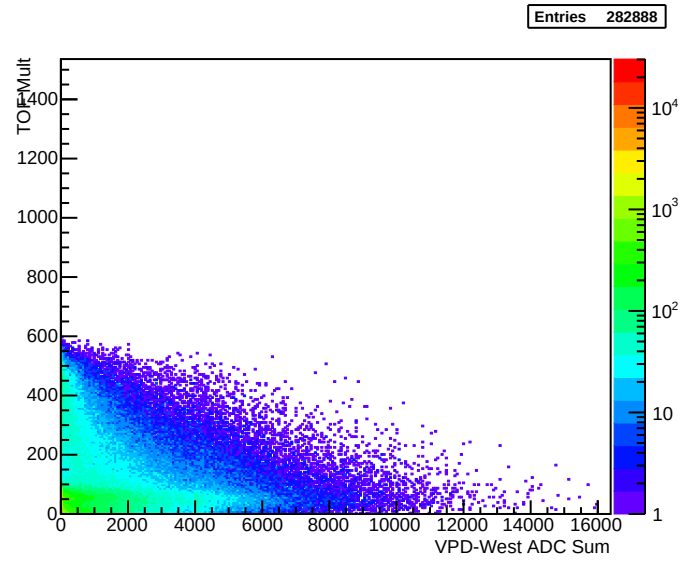

Entries 282888
TOF-Mult
BBC-S-East ADC Sum

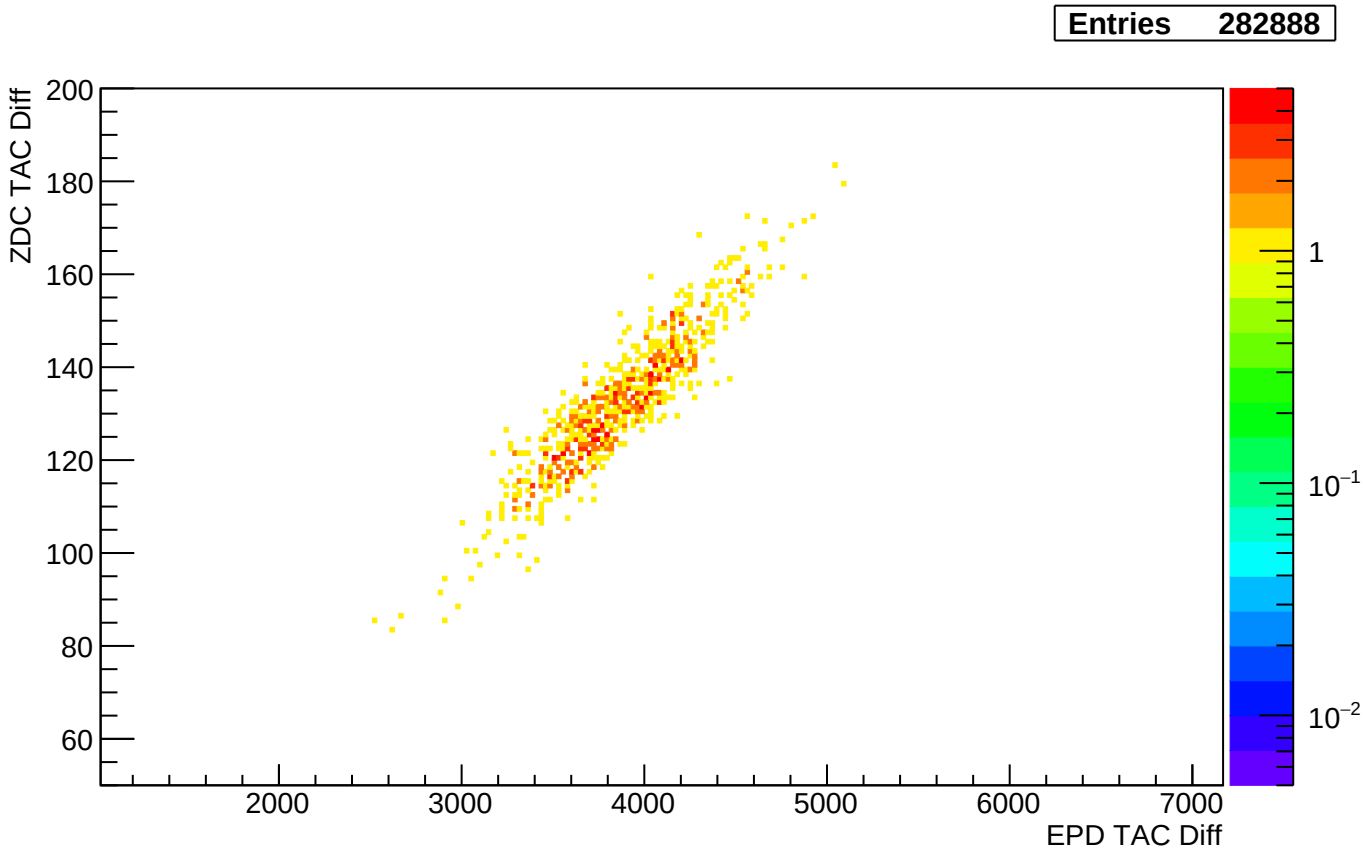

Entries 282888
TOF-Mult
BBC-S-West ADC Sum

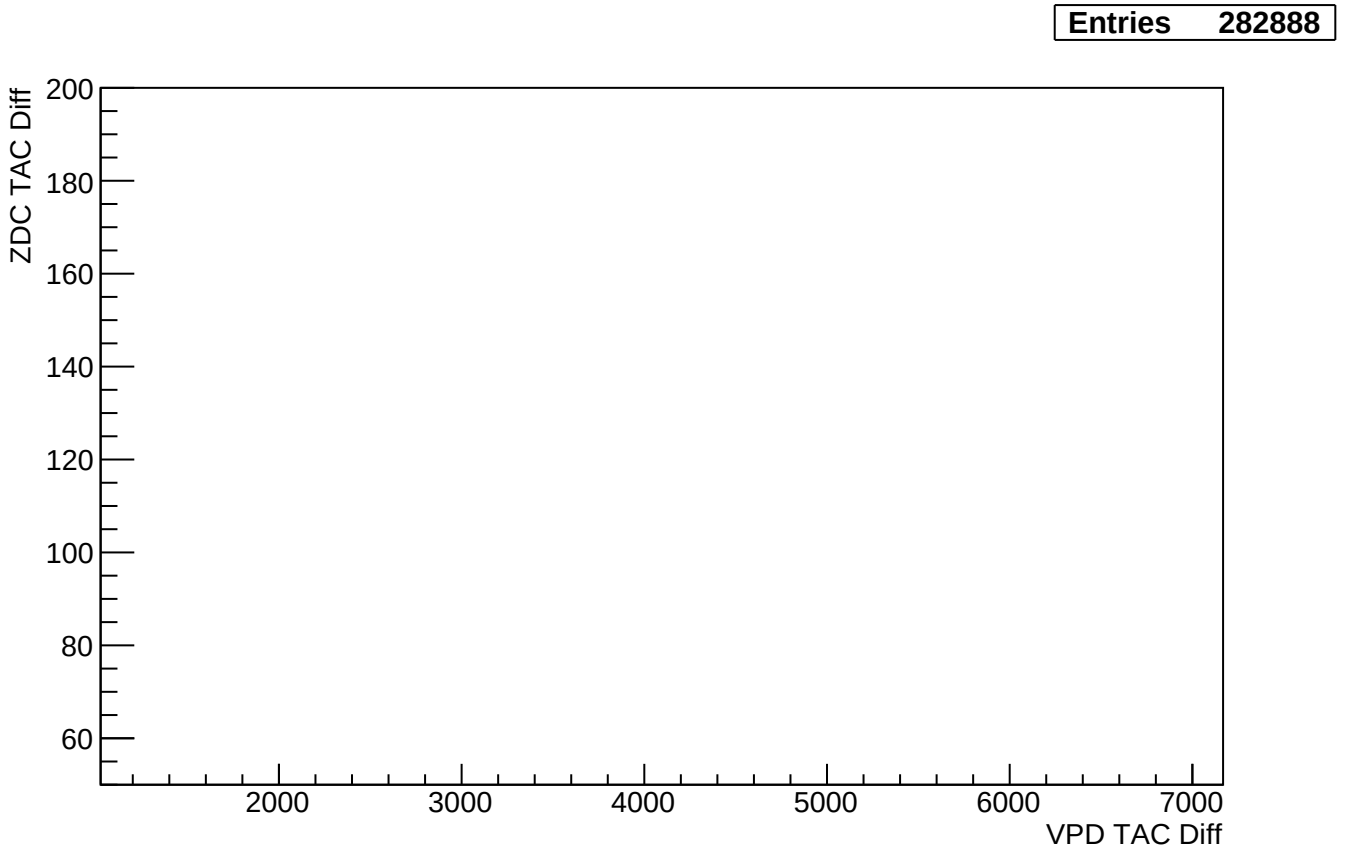

Entries 282888
TOF-Mult
EPD-East Hit Cnt

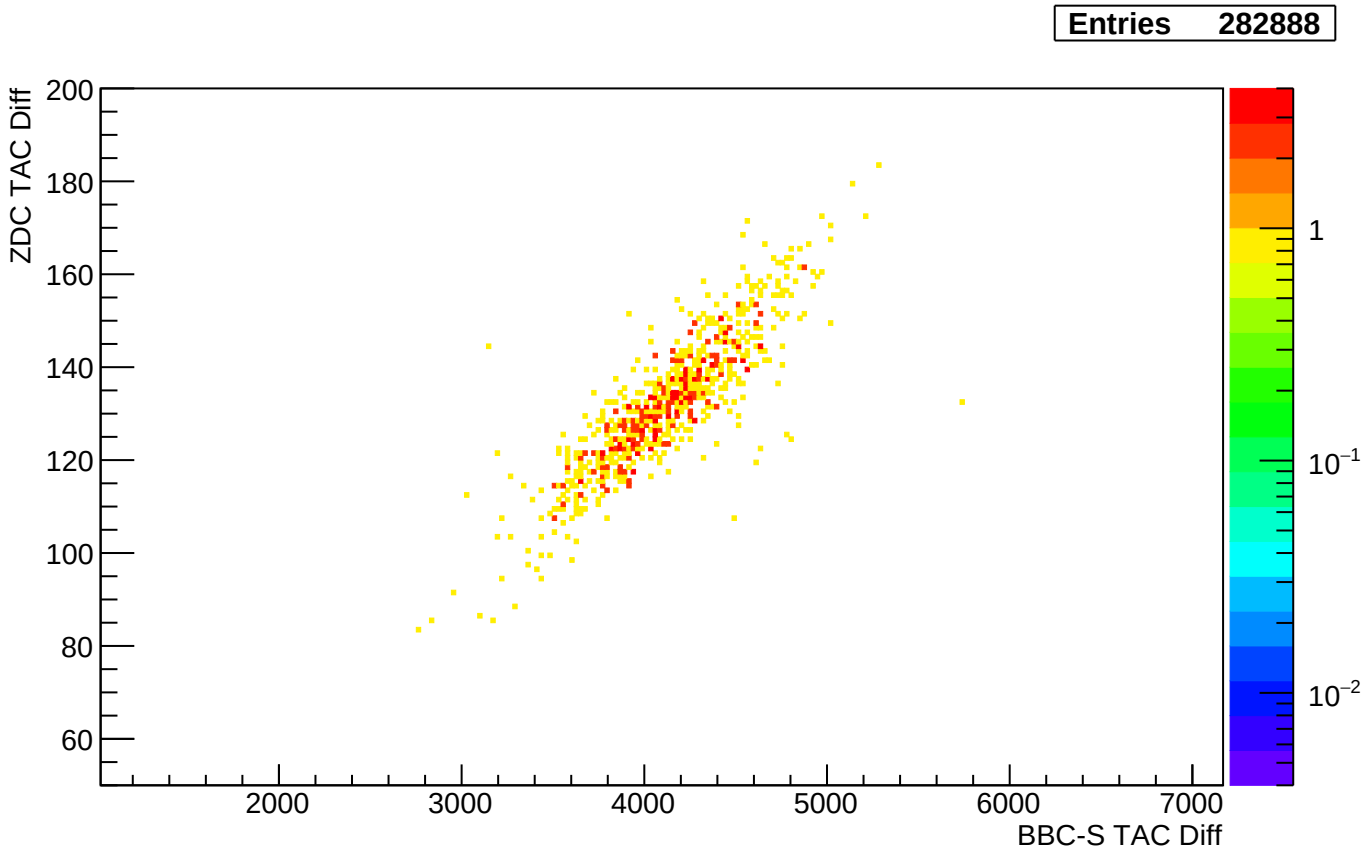

Entries 282888
TOF-Mult
EPD-West Hit Cnt

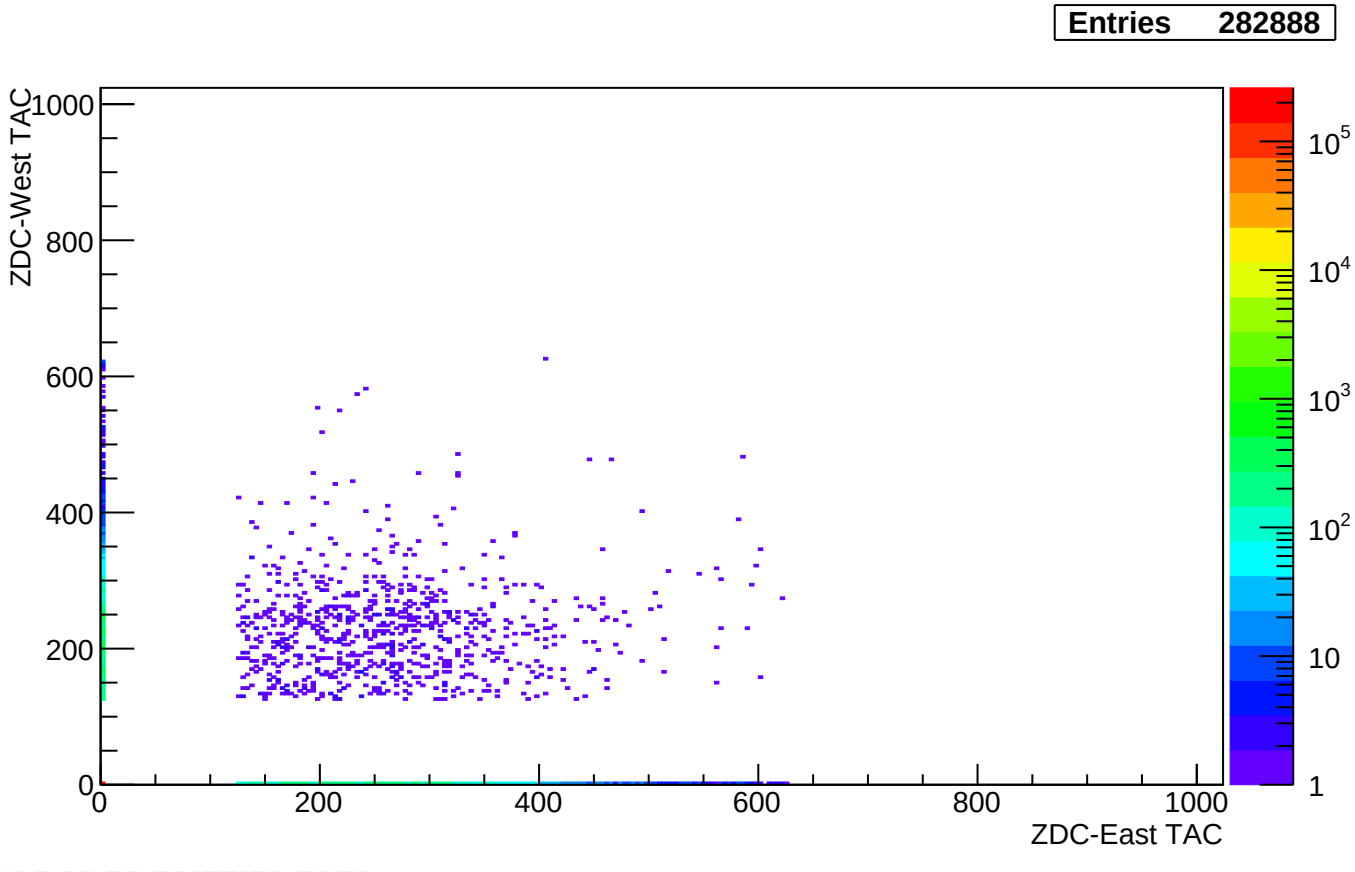

Entries 282888
TOF-Mult
VPD-East ADC Sum

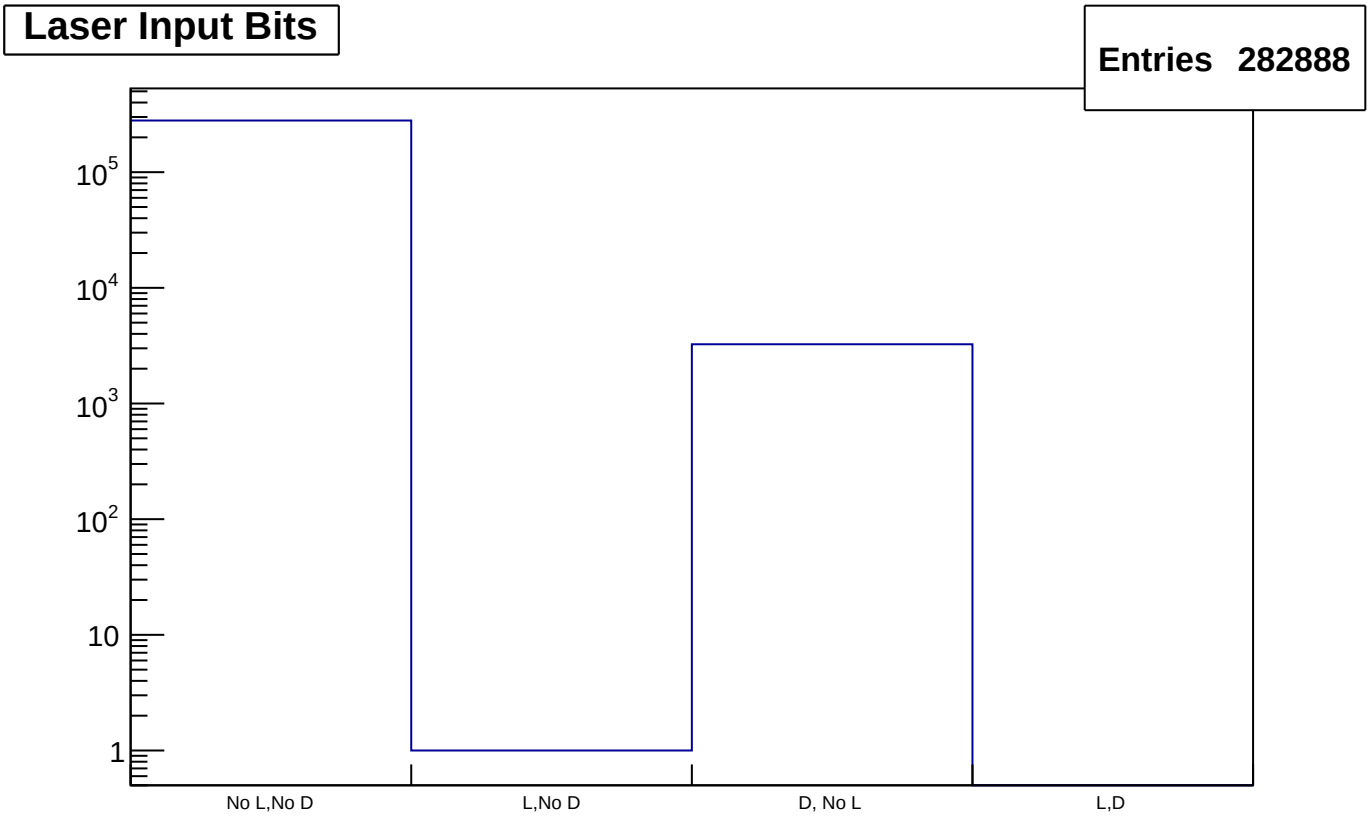

Entries 282888
TOF-Mult
VPD-West ADC Sum

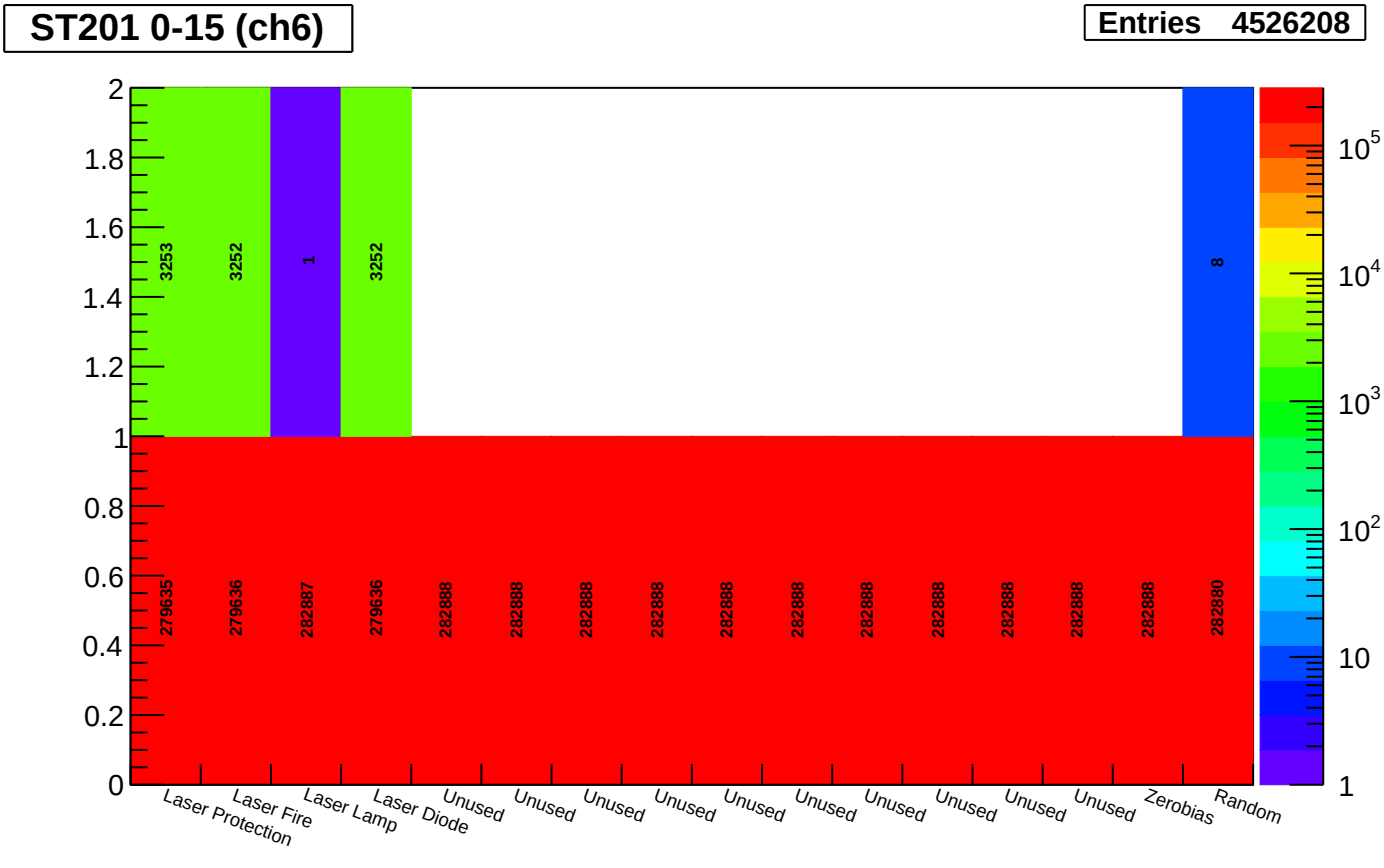

Entries 282888
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

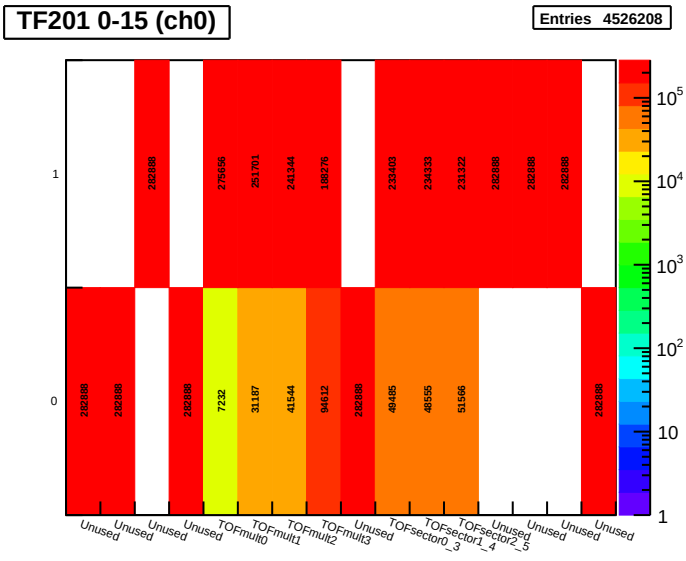

Entries 282888
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

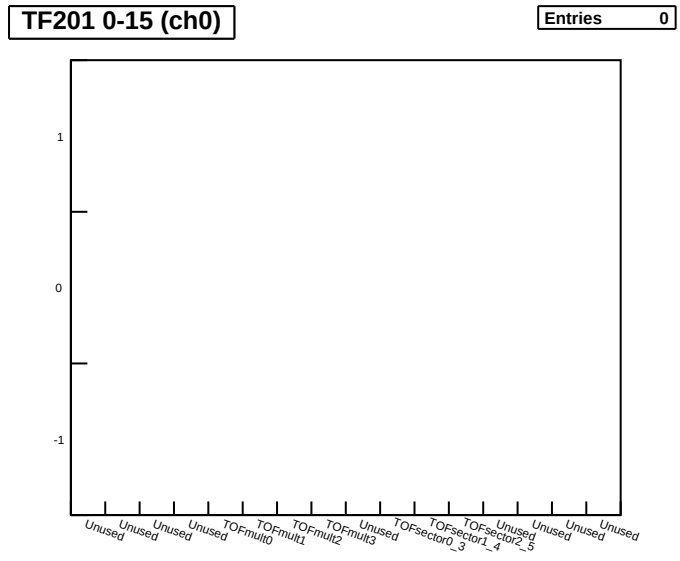

Entries 282888
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

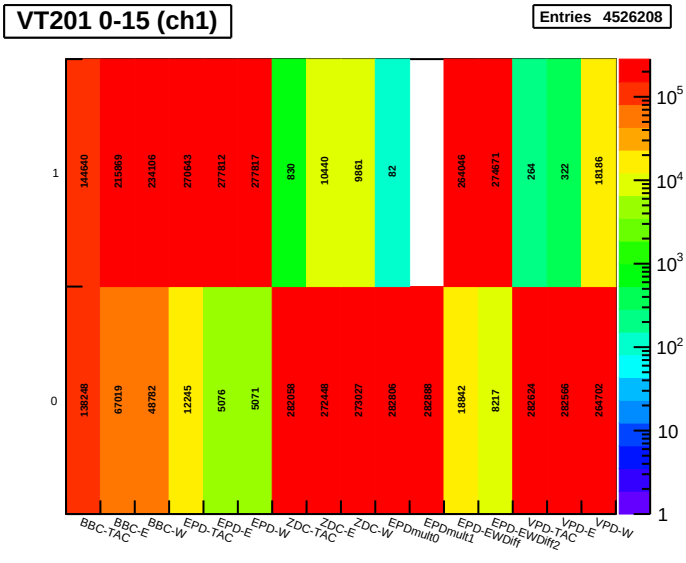

Entries 282888
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

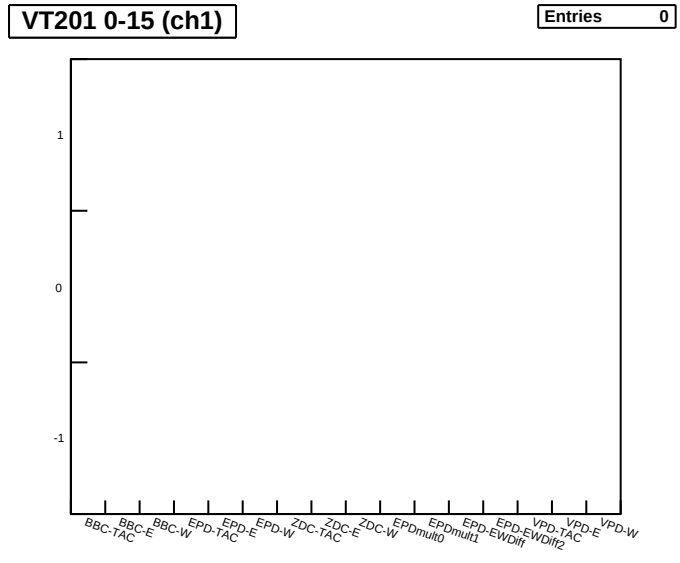

Laser Input Bits
Entries 282888
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

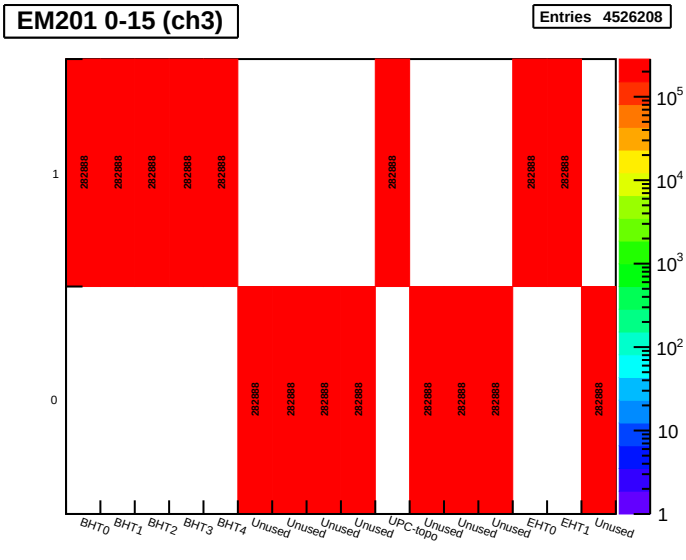

ST201 0-15 (ch6)
Entries 4526208
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3253
3252
1
3252
8
279635
279636
282887
279636
282888
282888
282888
282888
282888
282888
282888
282888
282888
282888
282888
282880
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

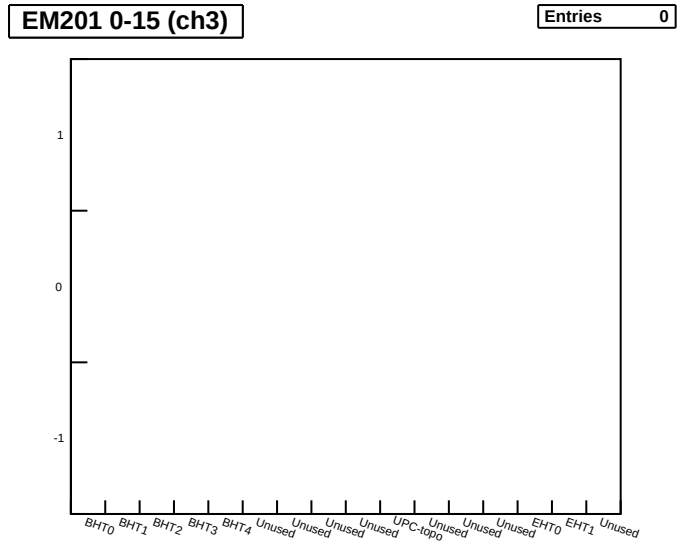

TF201 0-15 (ch0)
Entries 4526208
1
0
282888 282888 282888 275656 251701 241344 188276 233403 234333 231322 282888 282888 282888
282888 282888 282888 7232 31187 41544 94612 282888 49485 49555 51566 282888
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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 4526208
1
0
144640 215859 234106 270643 277812 277817 830 10440 9861 82 264046 274671 264 322 18186
138248 67019 48762 12245 5076 5071 282058 272448 273027 282806 282888 18842 8217 282624 282566 264702
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
1 10 10^2 10^3 10^4 10^5


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 4526208
1
0
282888 282888 282888 282888 282888 282888 282888 282888 282888
282888 282888 282888 282888 282888 282888 282888 282888
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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