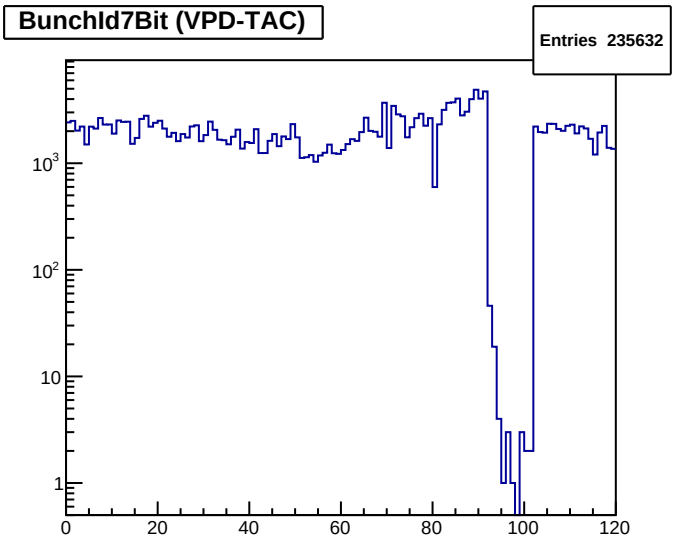
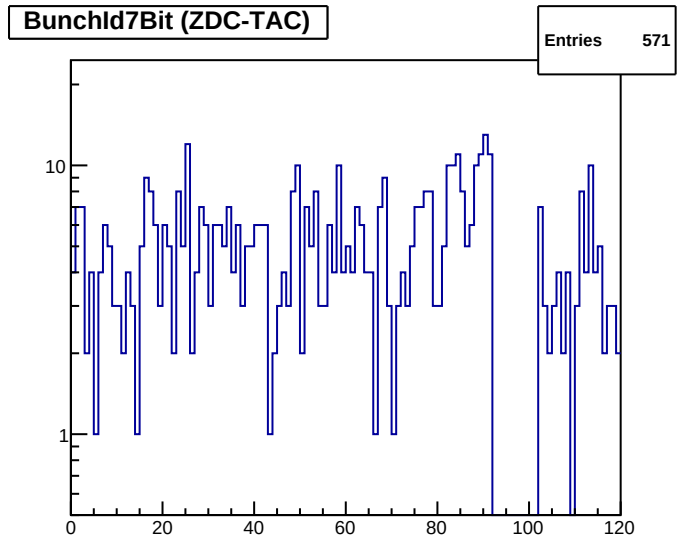
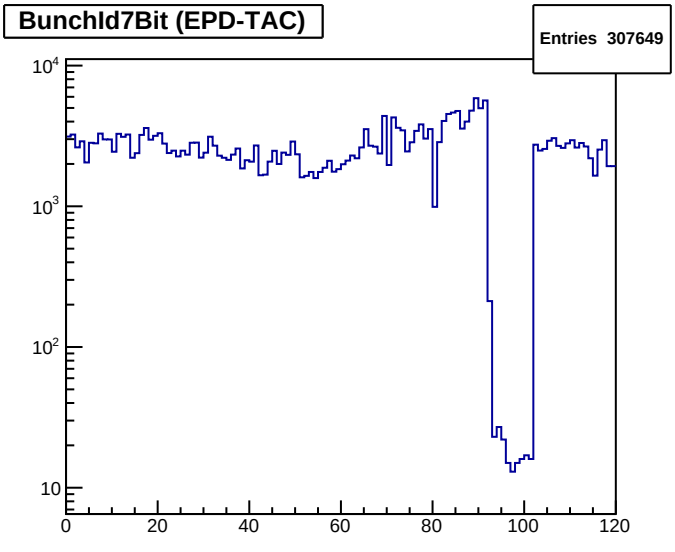
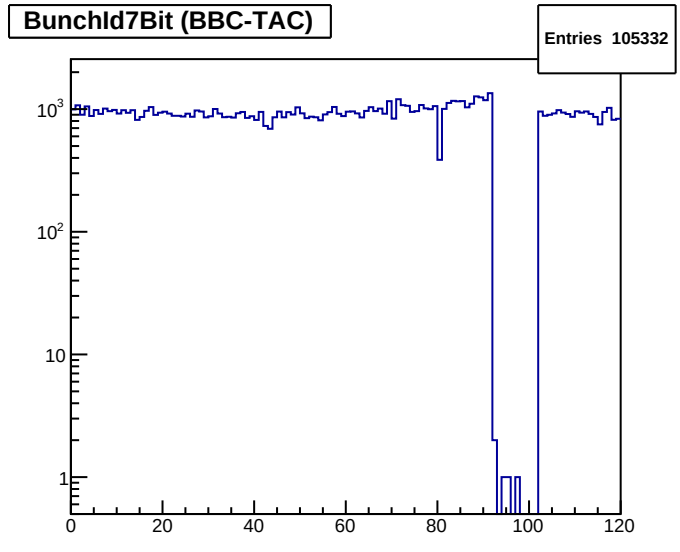
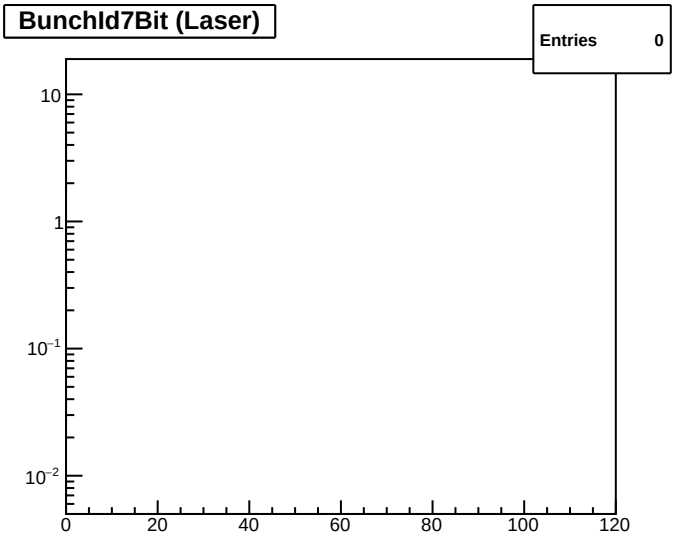
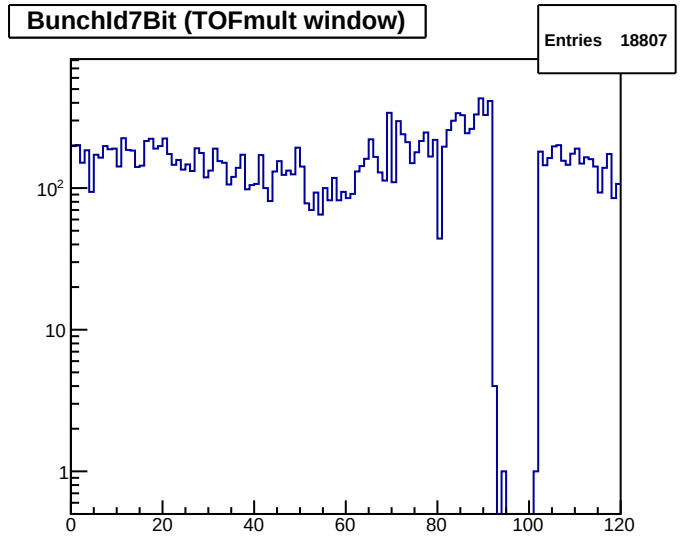

BunchId7Bit (VPD-TAC)
Entries 235632

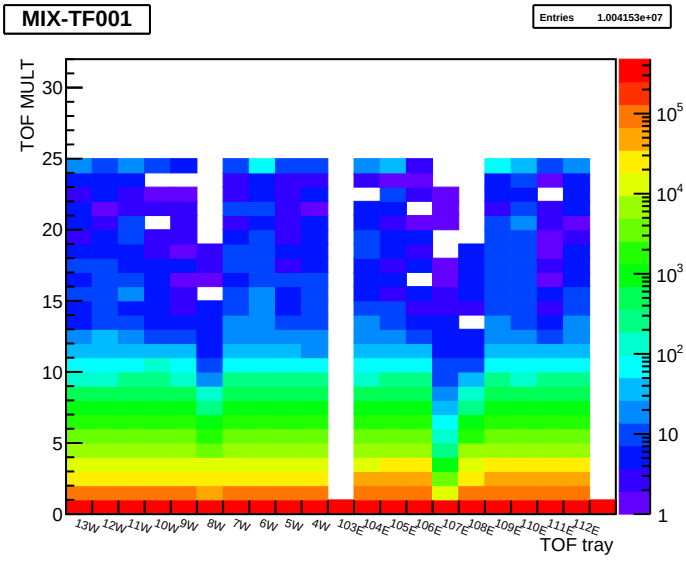

BunchId7Bit (ZDC-TAC)
Entries 571

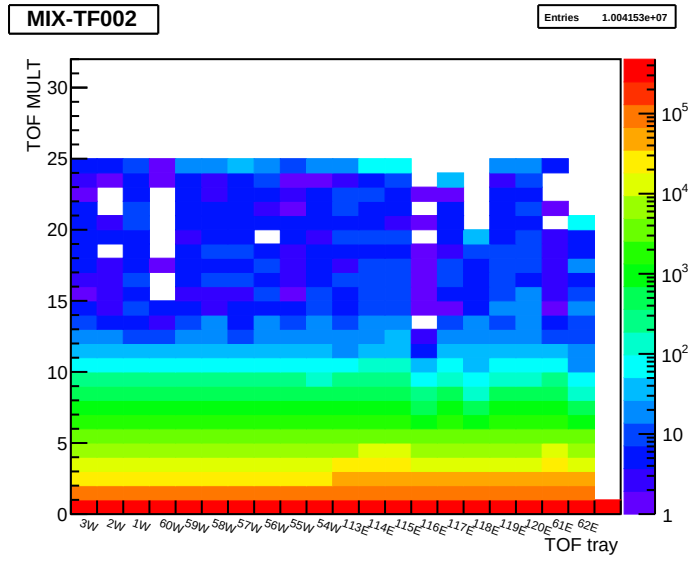

BunchId7Bit (EPD-TAC)
Entries 307649

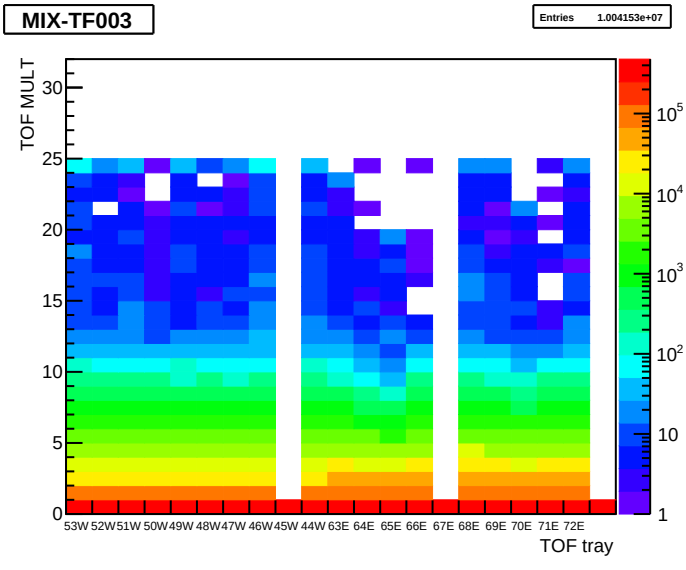

BunchId7Bit (BBC-TAC)
Entries 105332

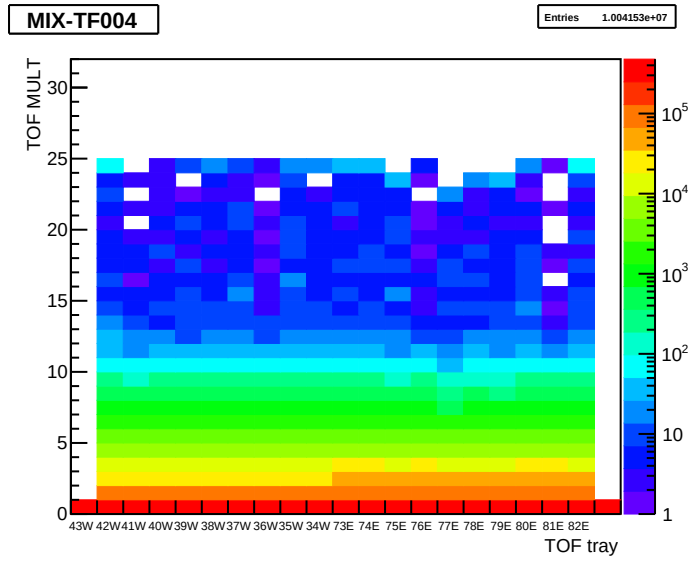

BunchId7Bit (Laser)
Entries 0

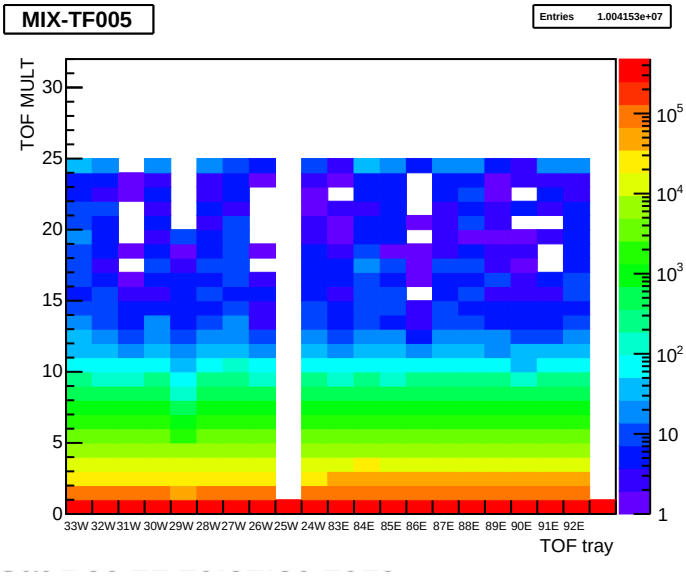

BunchId7Bit (TOFmult window)
Entries 18807

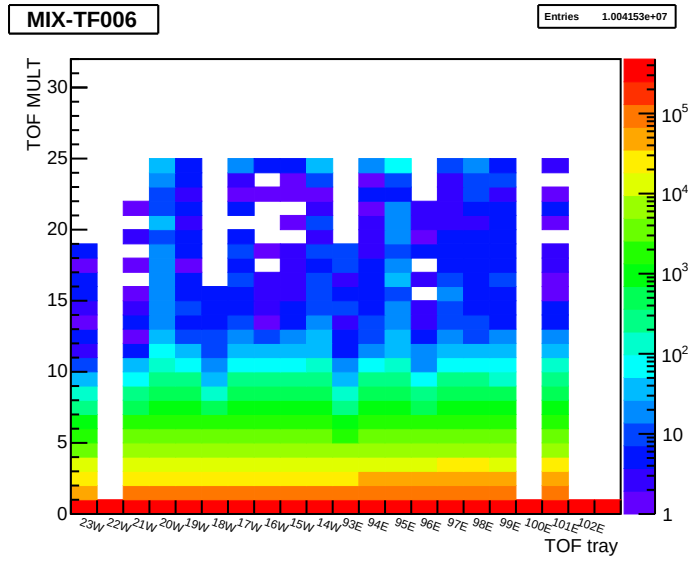

MIX-TF001
Entries 1.004153e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

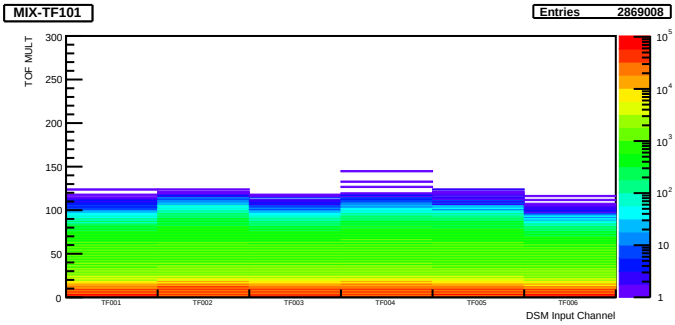

MIX-TF002
Entries 1.004153e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

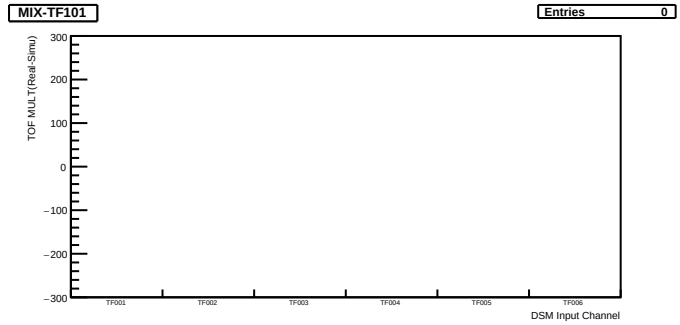

MIX-TF003
Entries 1.004153e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

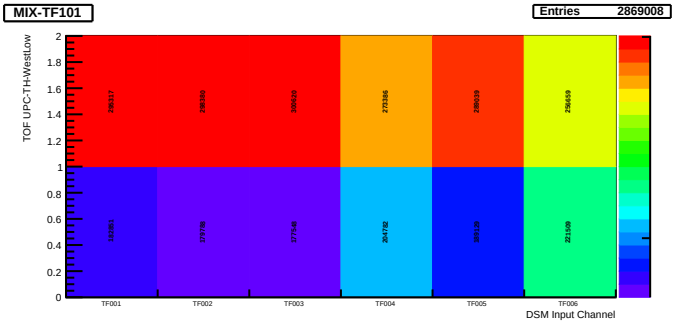

MIX-TF004
Entries 1.004153e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

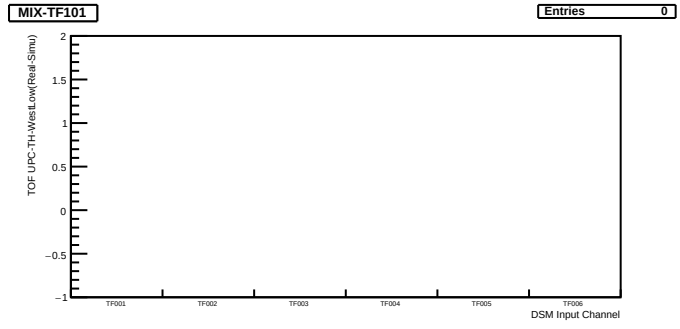

MIX-TF005
Entries 1.004153e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

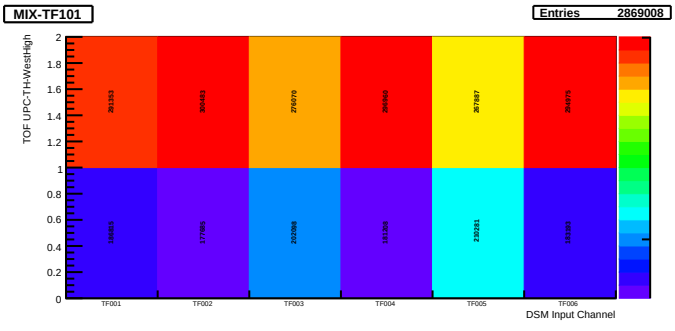

MIX-TF006
Entries 1.004153e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

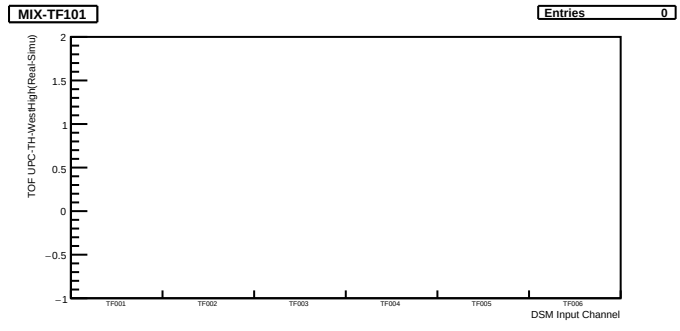

MIX-TF101
Entries 2869008
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

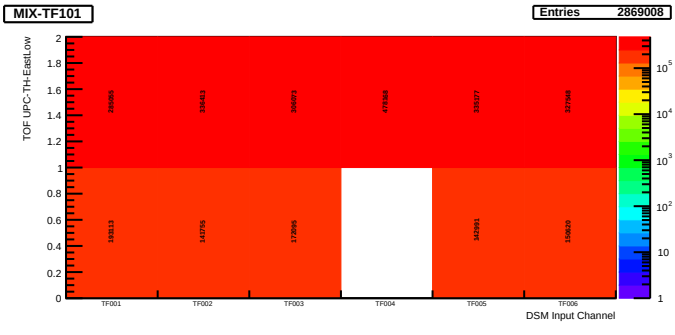

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

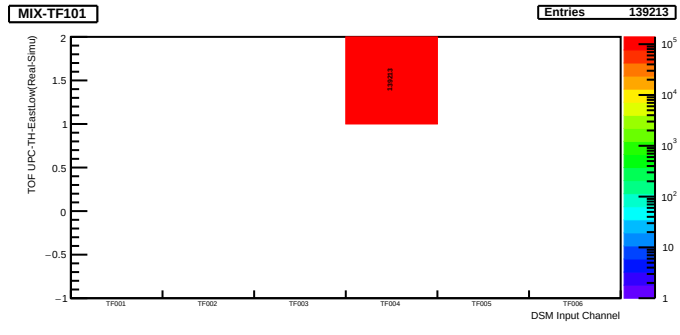

MIX-TF101
Entries 2869008
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

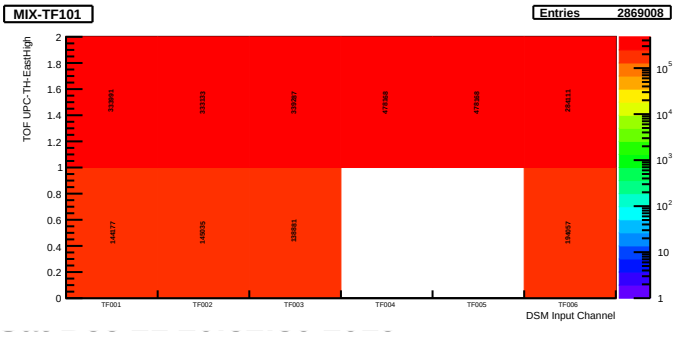

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

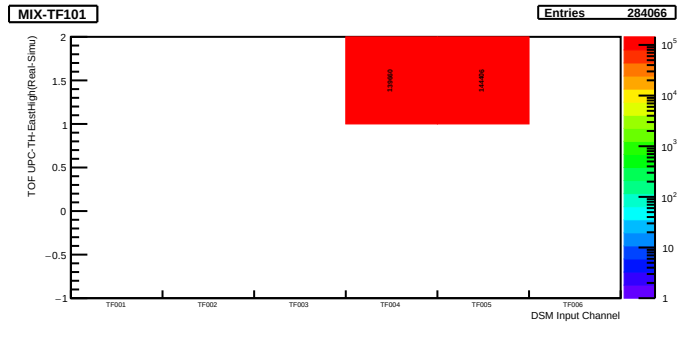

MIX-TF101
Entries 2869008
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

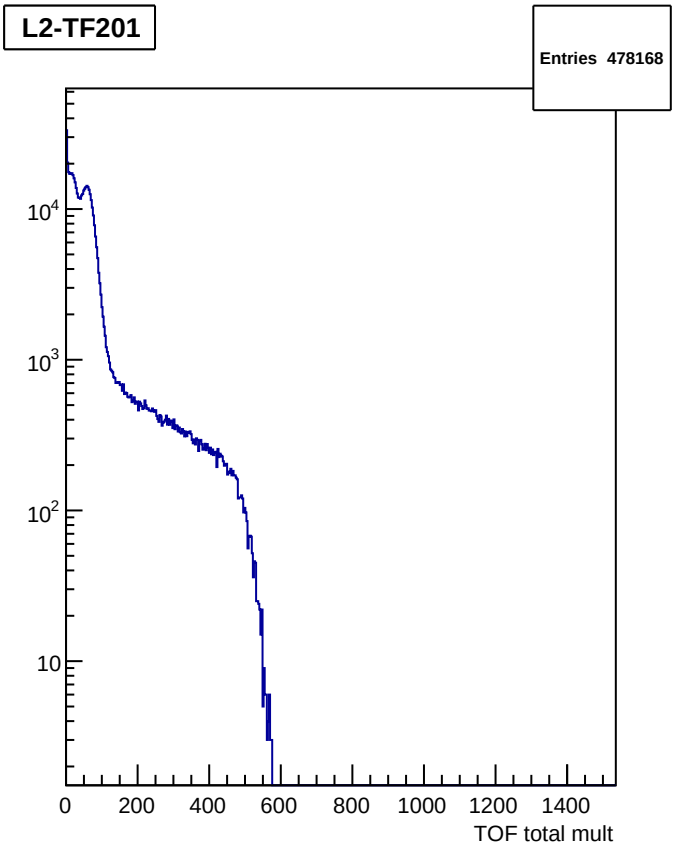

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

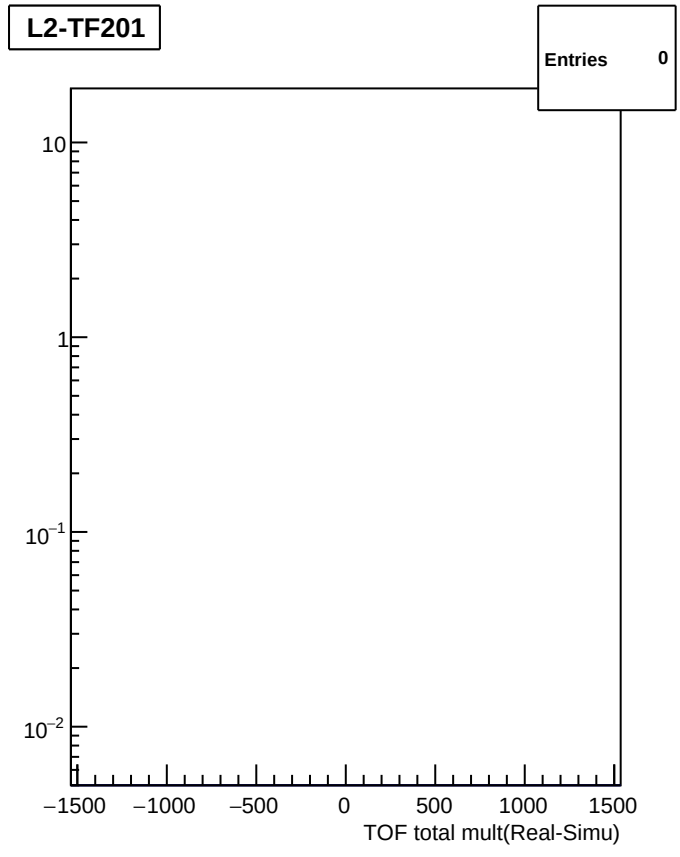

MIX-TF101
Entries 2869008
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

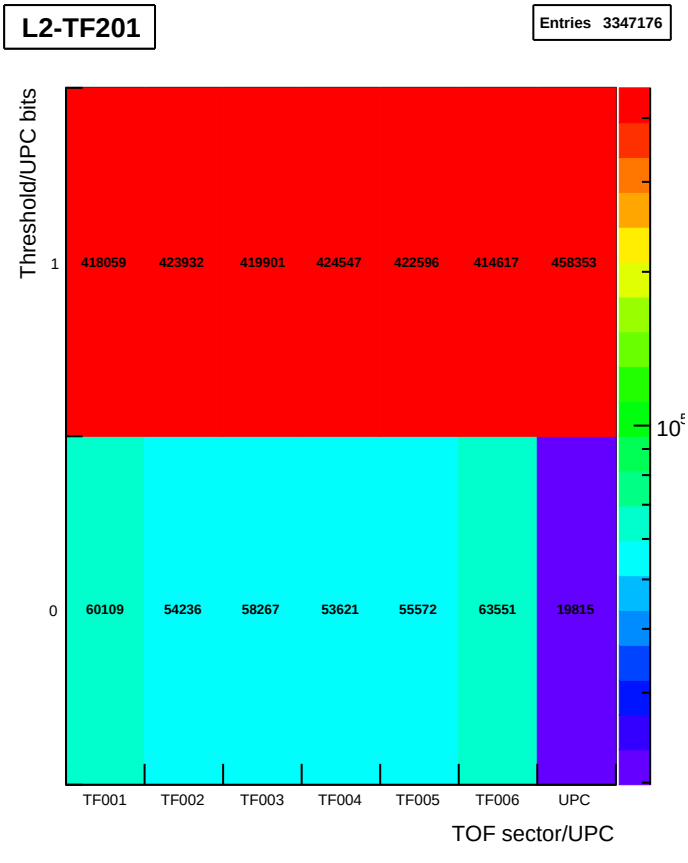

MIX-TF101
Entries 139213
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

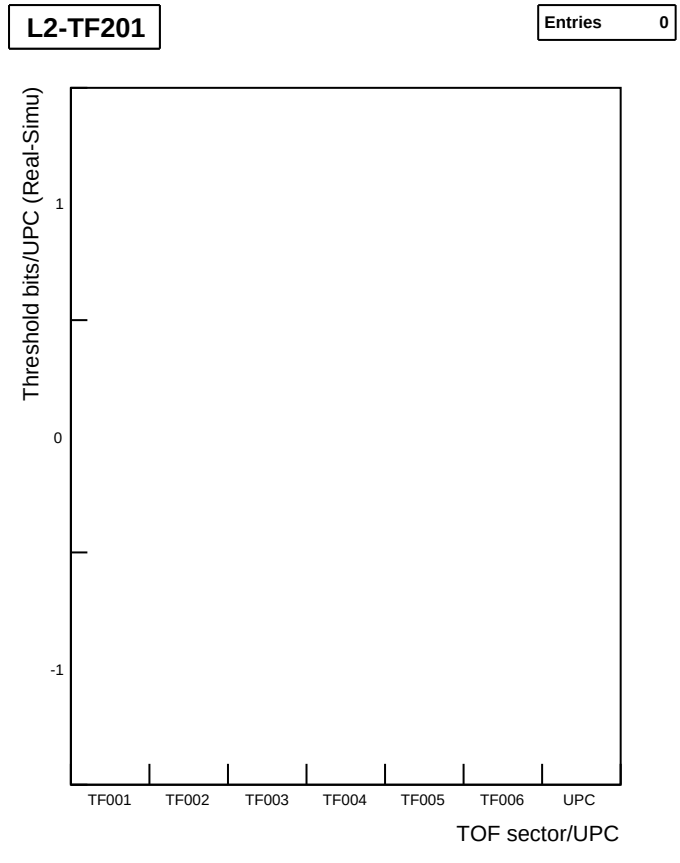

MIX-TF101
Entries 2869008
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

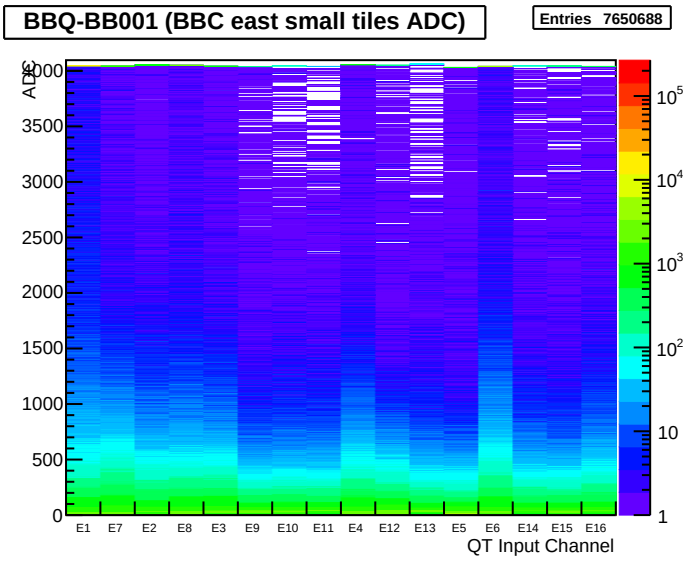

MIX-TF101
Entries 284066
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

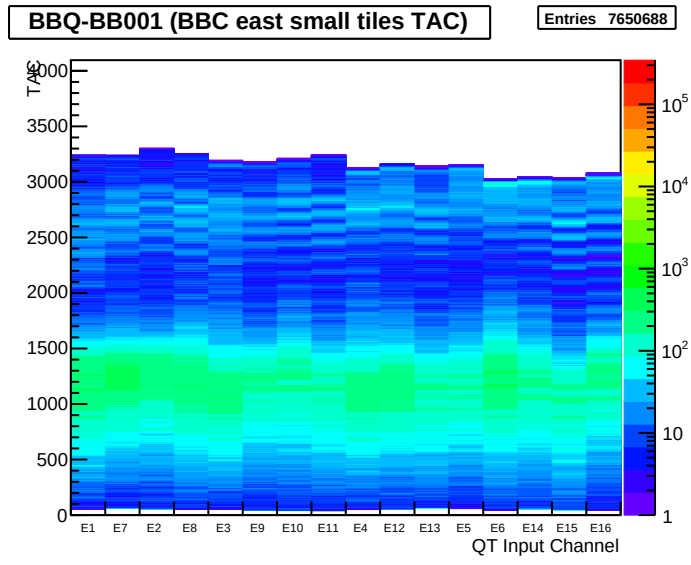

L2-TF201
Entries 478168
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

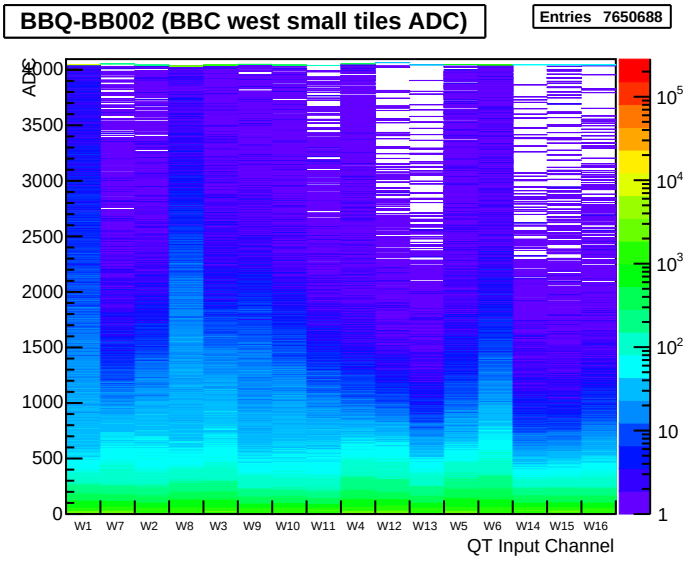

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

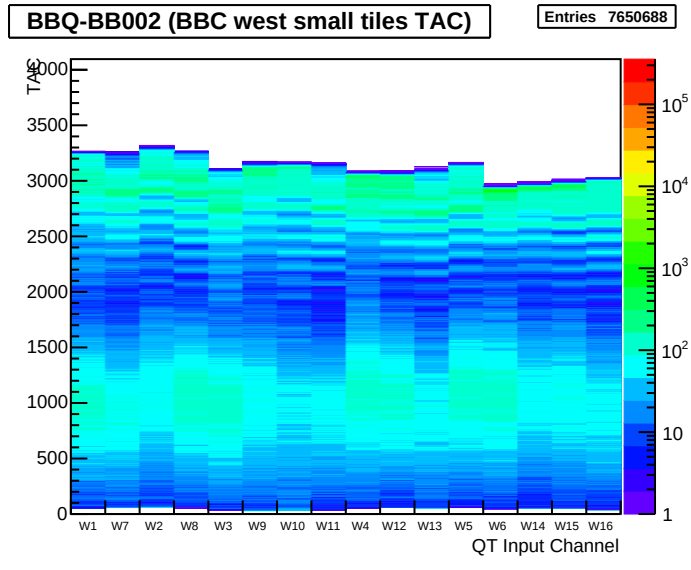

L2-TF201
Entries 3347176
Threshold/UPC bits
1
0
418059
423932
419901
424547
422596
414617
458353
60109
54236
58267
53621
55572
63551
19815
10^5
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

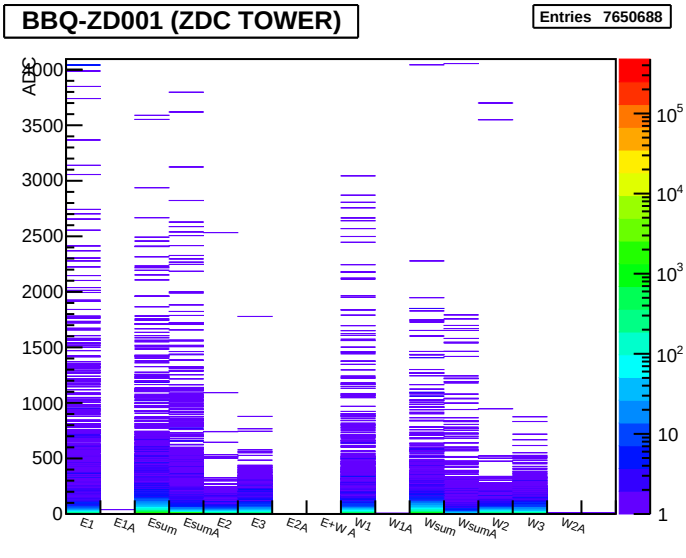

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

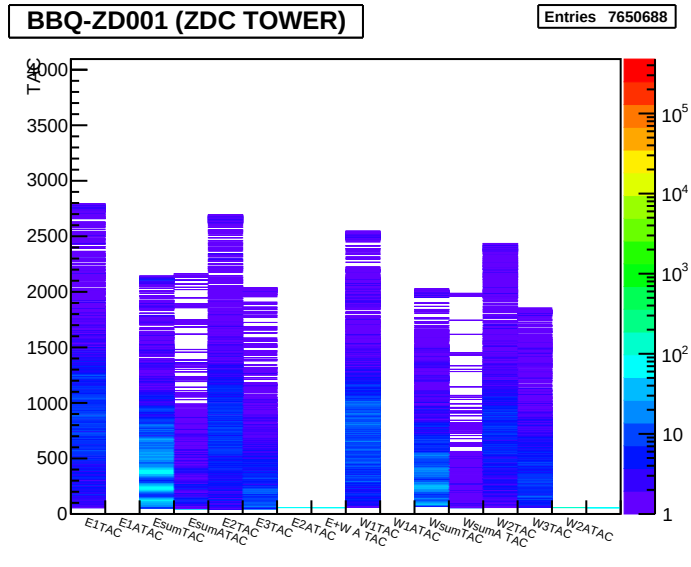

BBQ-BB001 (BBC east small tiles ADC)
Entries 7650688
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

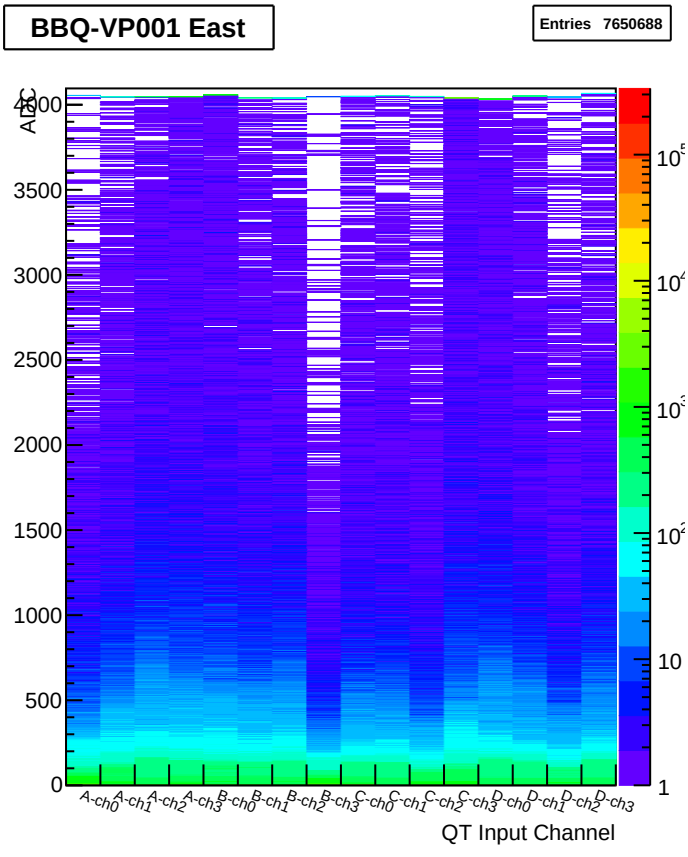

BBQ-BB001 (BBC east small tiles TAC)
Entries 7650688
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

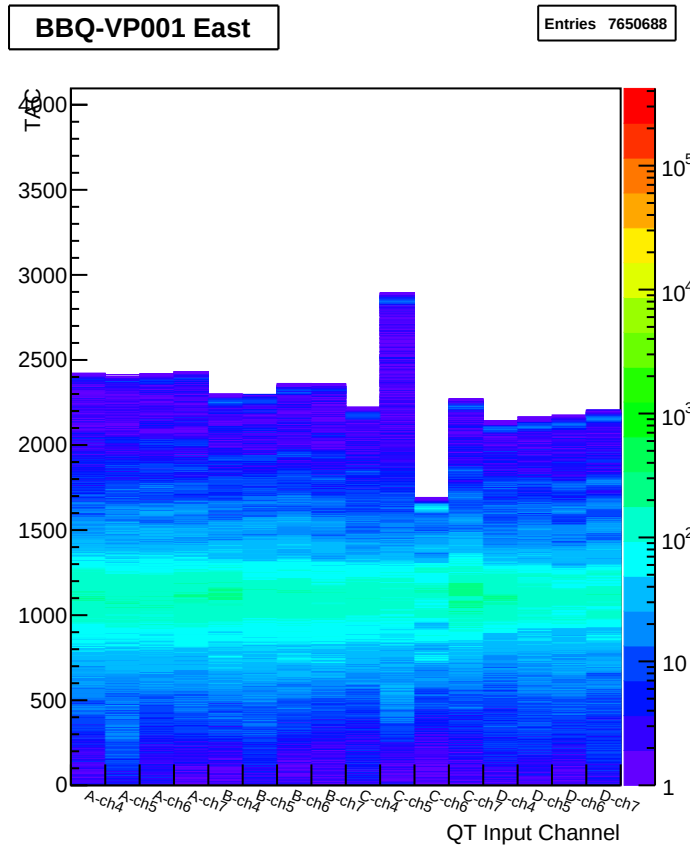

BBQ-BB002 (BBC west small tiles ADC)
Entries 7650688
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

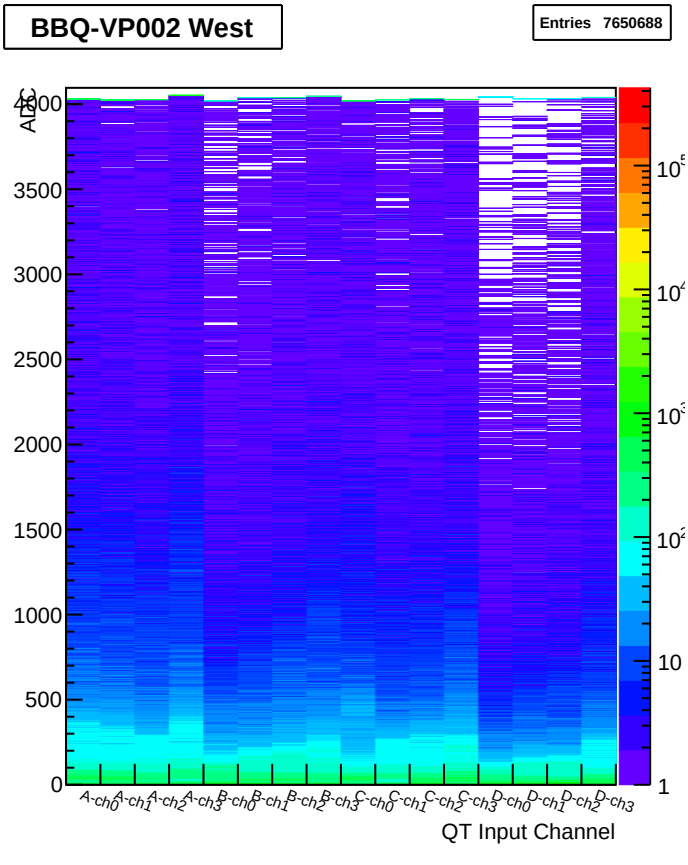

BBQ-BB002 (BBC west small tiles TAC)
Entries 7650688
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

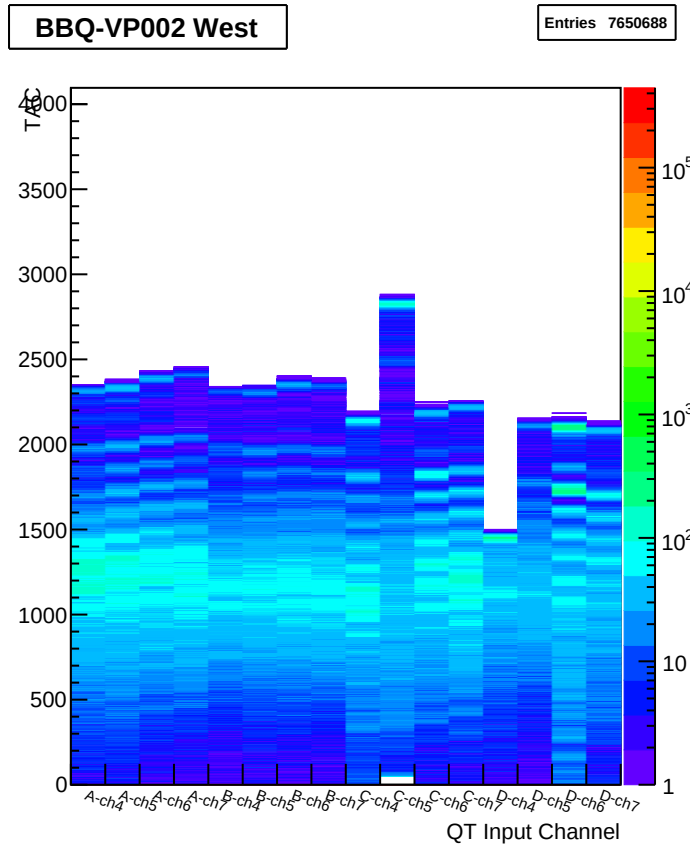

BBQ-ZD001 (ZDC TOWER)
Entries 7650688
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

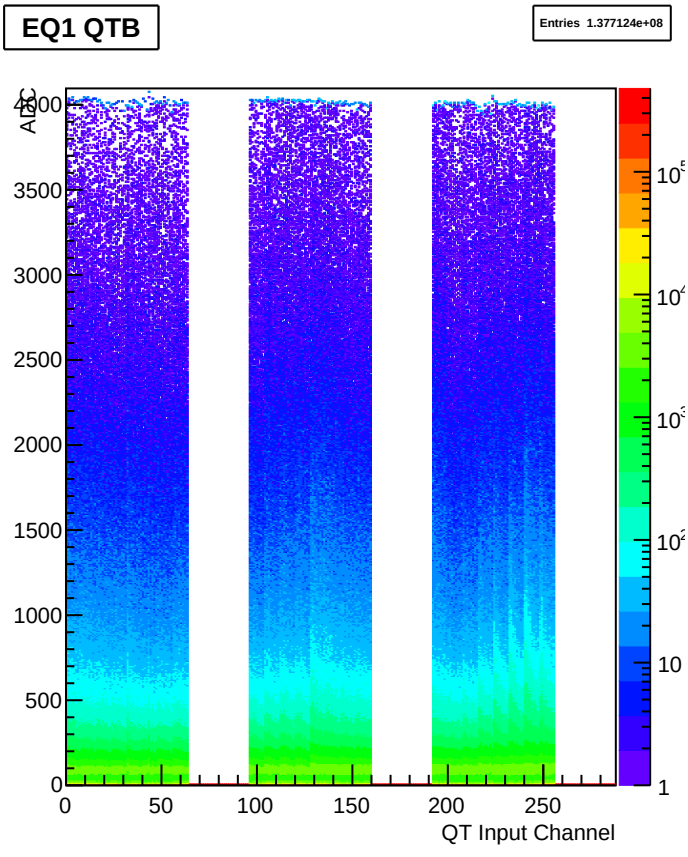

BBQ-ZD001 (ZDC TOWER)
Entries 7650688
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

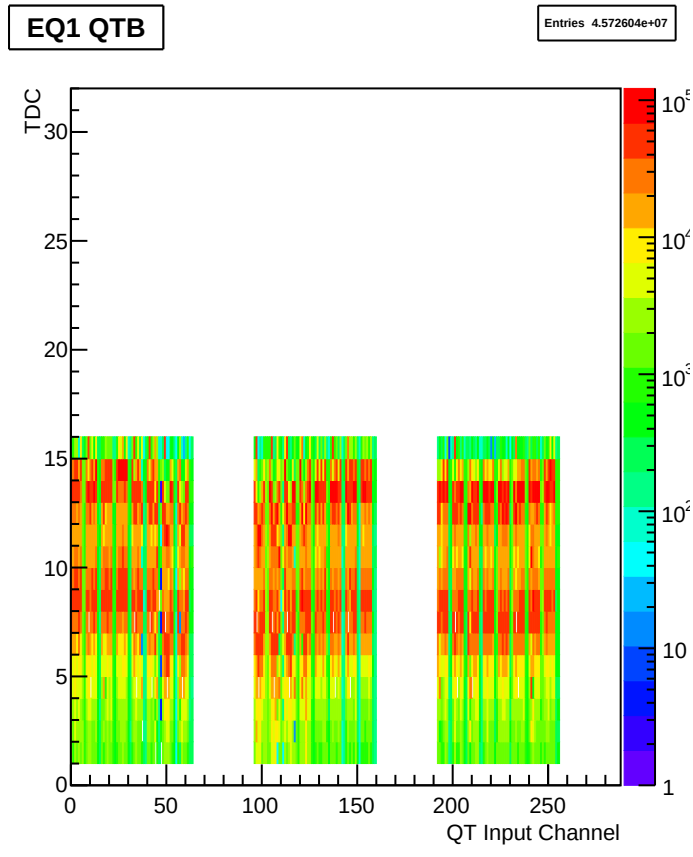

BBQ-VP001 East
Entries 7650688
ADC
QT Input Channel

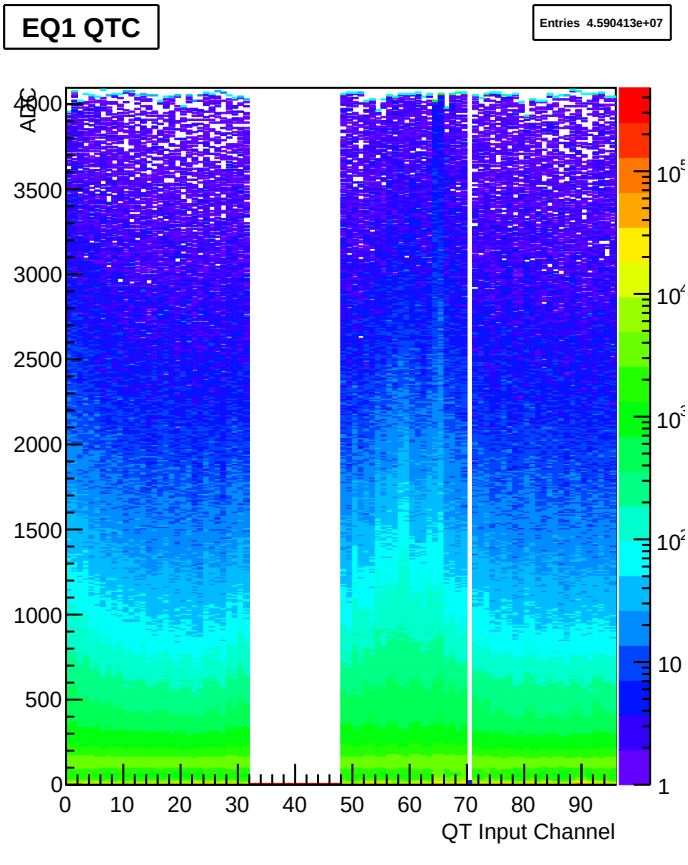

BBQ-VP001 East
Entries 7650688
ADC
QT Input Channel

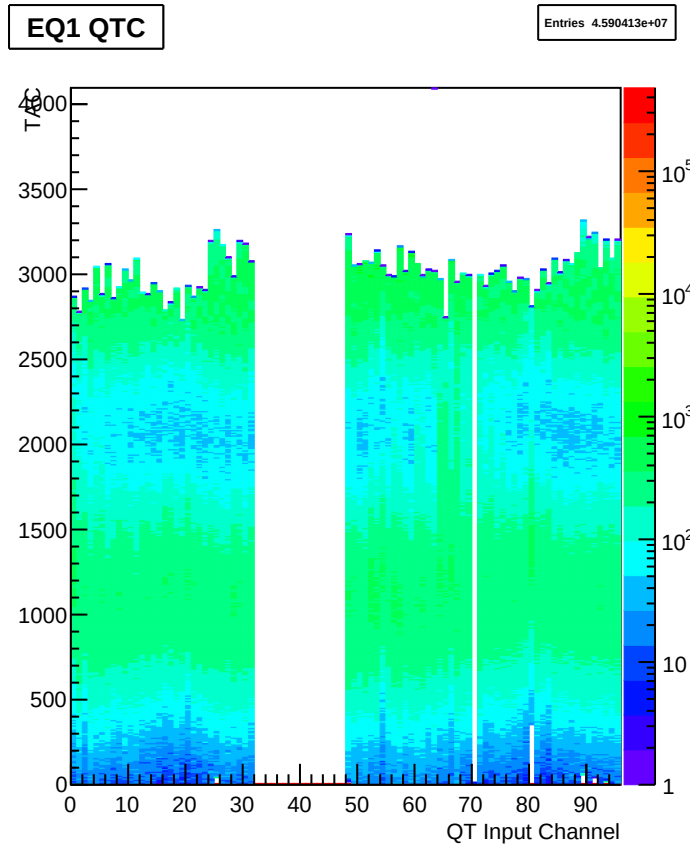

BBQ-VP002 West
Entries 7650688
ADC
QT Input Channel

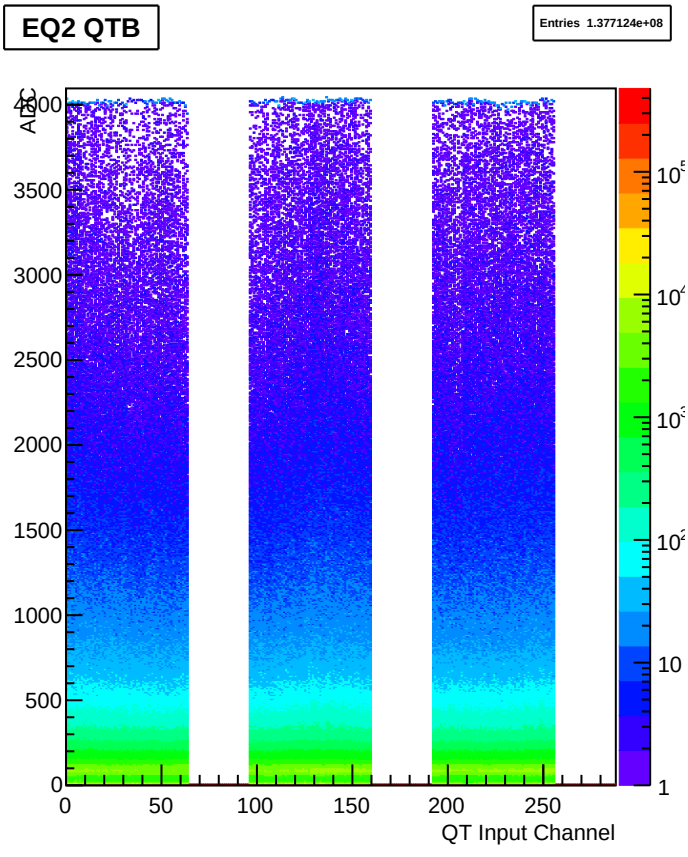

BBQ-VP002 West
Entries 7650688
ADC
QT Input Channel

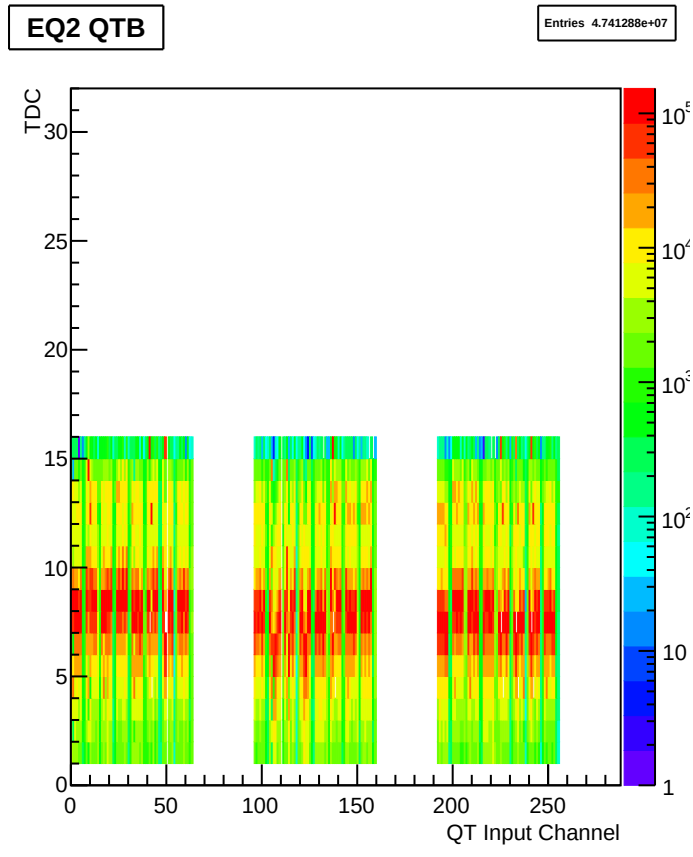

EQ1 QTB
Entries 1.377124e+08
ADC
QT Input Channel

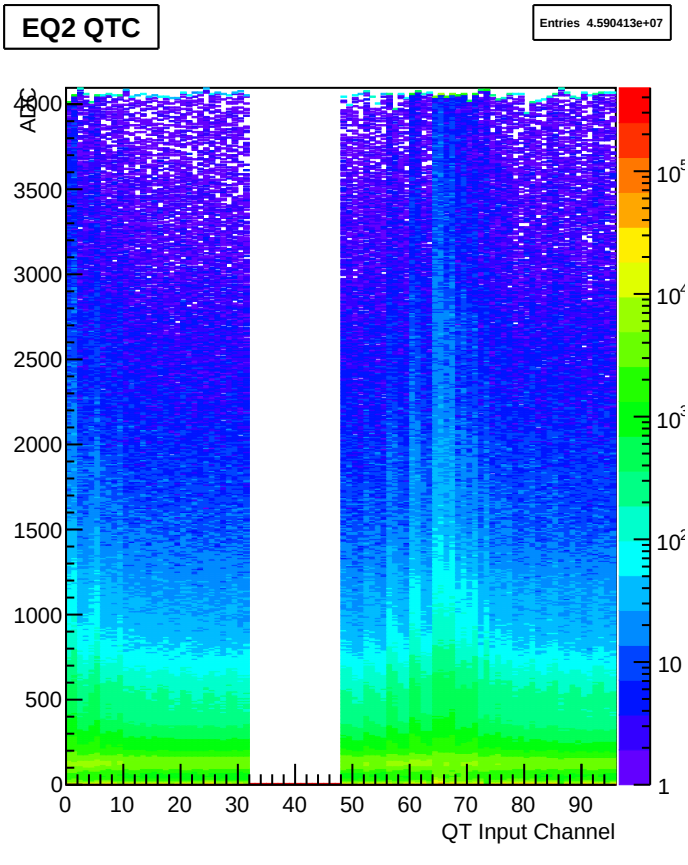

EQ1 QTB
Entries 4.572604e+07
TDC
QT Input Channel

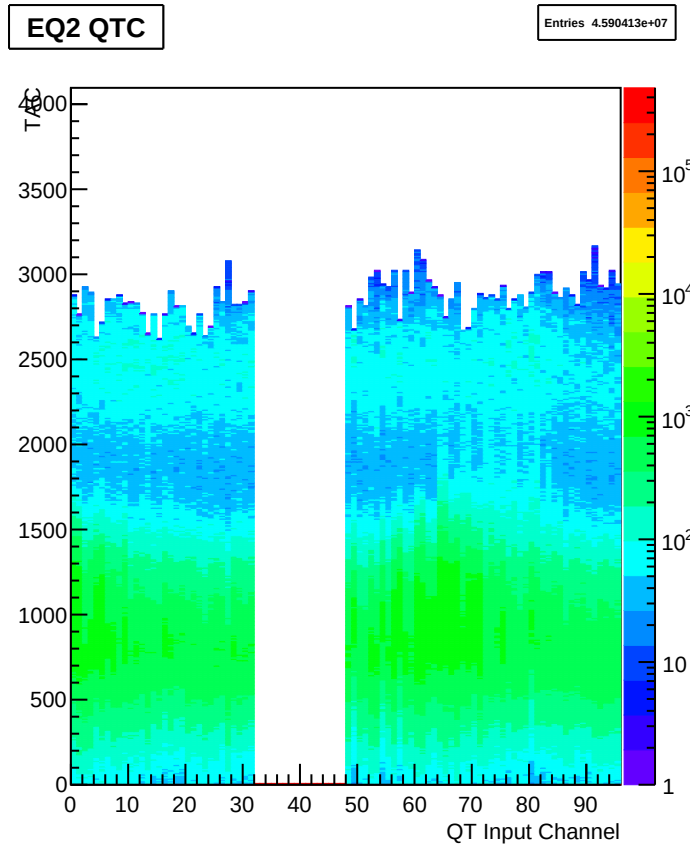

EQ1 QTC
Entries 4.590413e+07
ADC
QT Input Channel

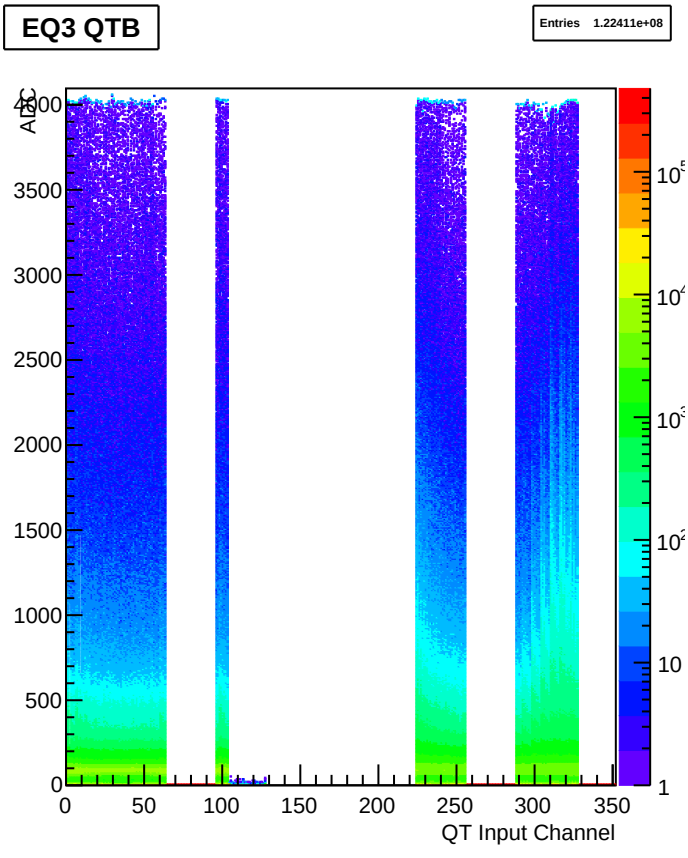

EQ1 QTC
Entries 4.590413e+07
TADC
QT Input Channel

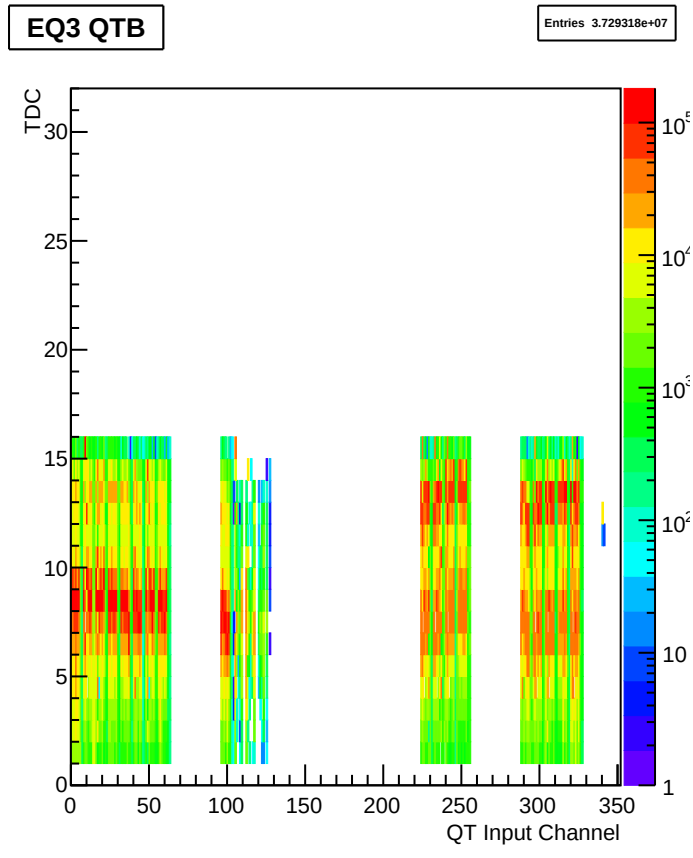

EQ2 QTB
Entries 1.377124e+08
ADC
QT Input Channel

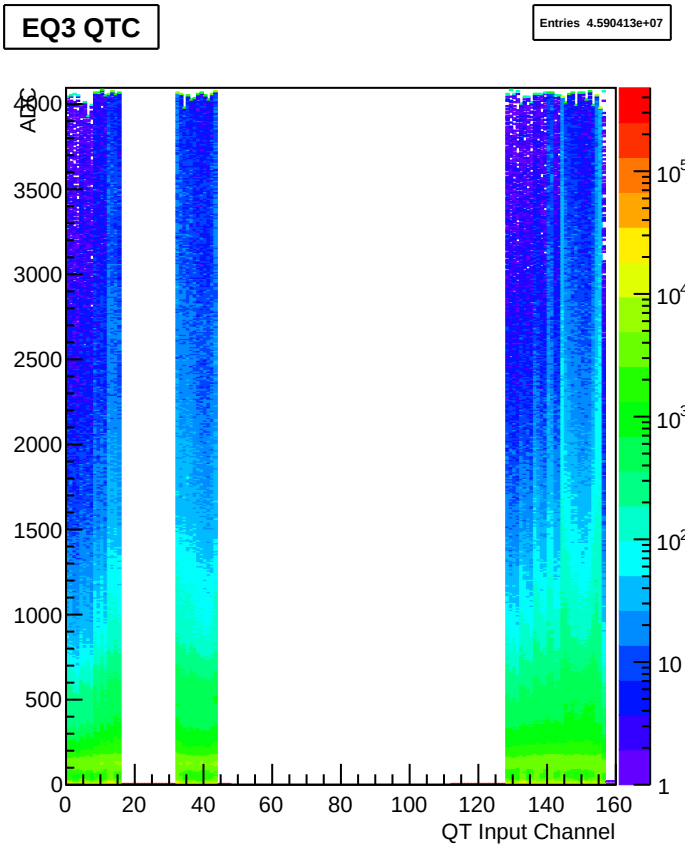

EQ2 QTB
Entries 4.741288e+07
TDC
QT Input Channel

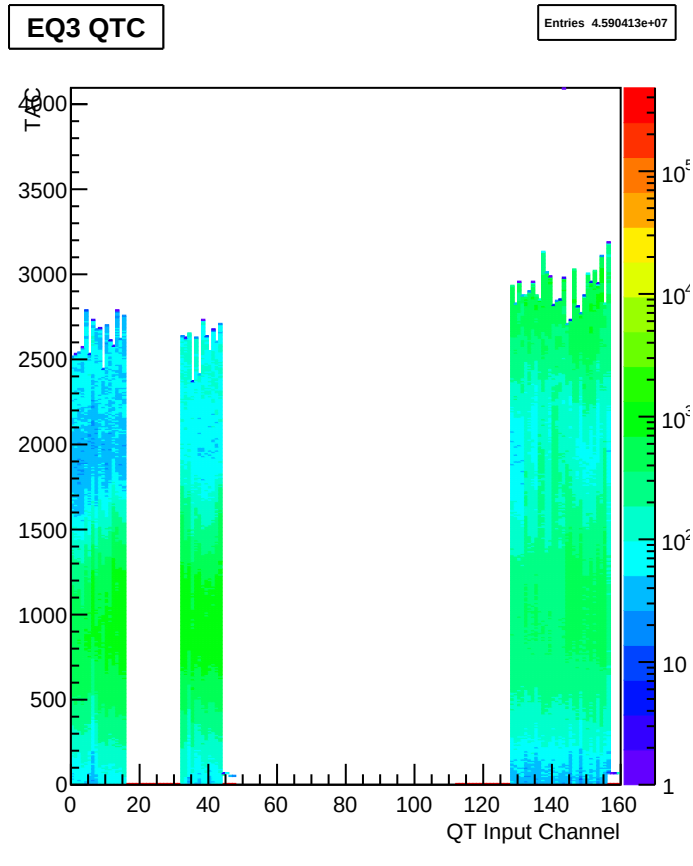

EQ2 QTC
Entries 4.590413e+07
ADC
QT Input Channel

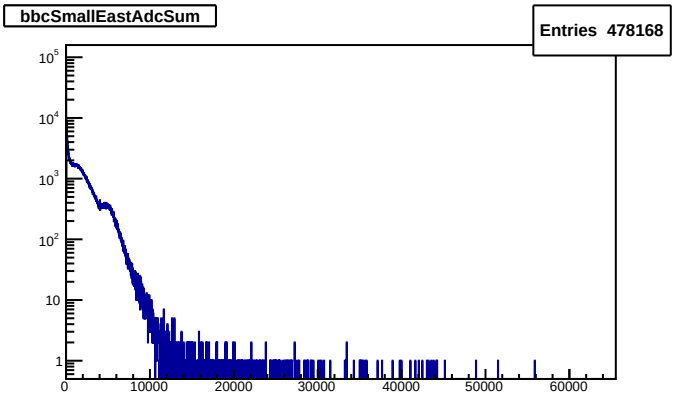

EQ2 QTC
Entries 4.590413e+07
TADC
QT Input Channel

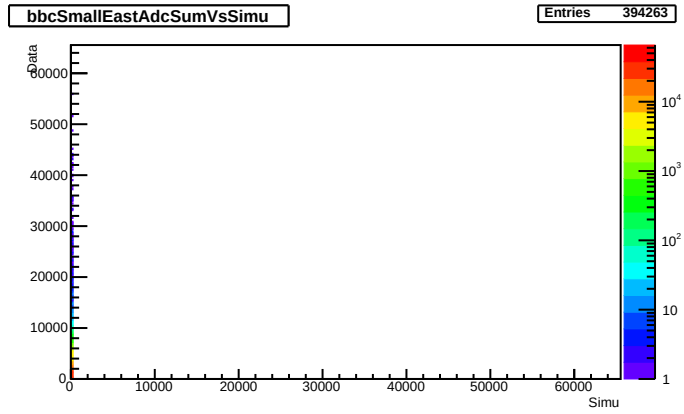

EQ3 QTB
Entries 1.22411e+08
ADC
QT Input Channel

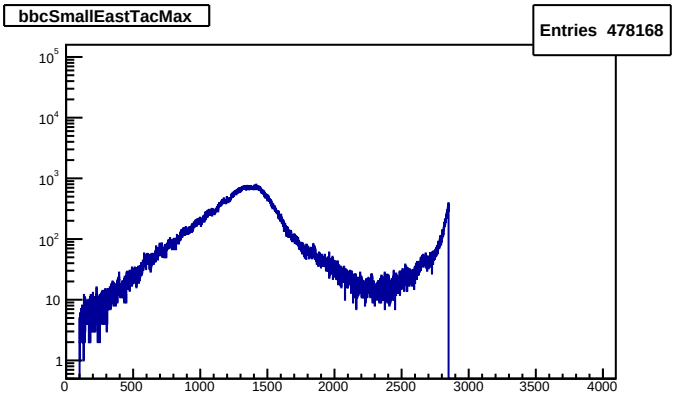

EQ3 QTB
Entries 3.729318e+07
TDC
QT Input Channel

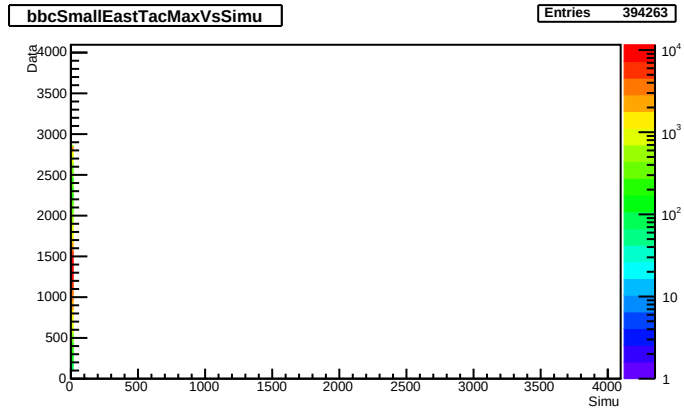

EQ3 QTC
Entries 4.590413e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.590413e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 478168


bbcSmallEastAdcSumVsSimu
Entries 394263
Data
Simu


bbcSmallEastTacMax
Entries 478168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Entries 394263
Data
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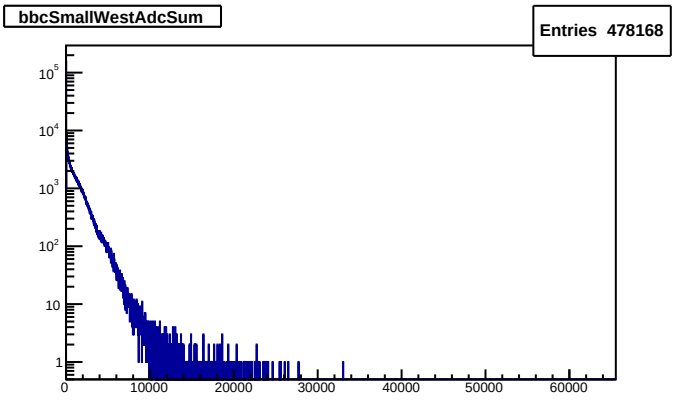
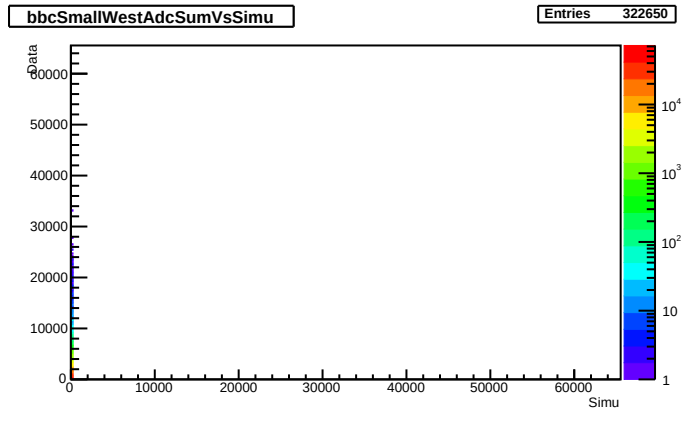

bbcSmallWestAdcSum
Entries 478168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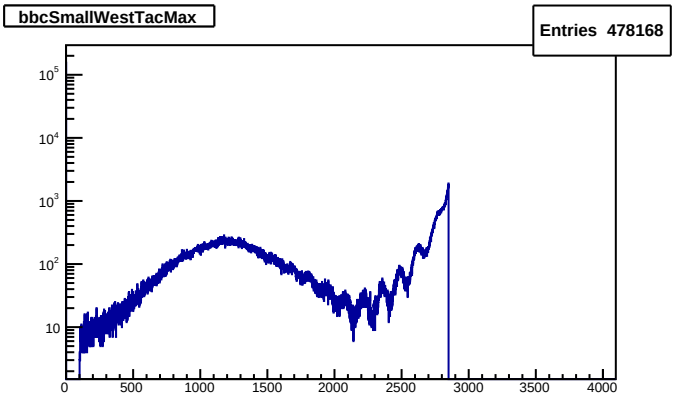
Entries 322650
Data
Simu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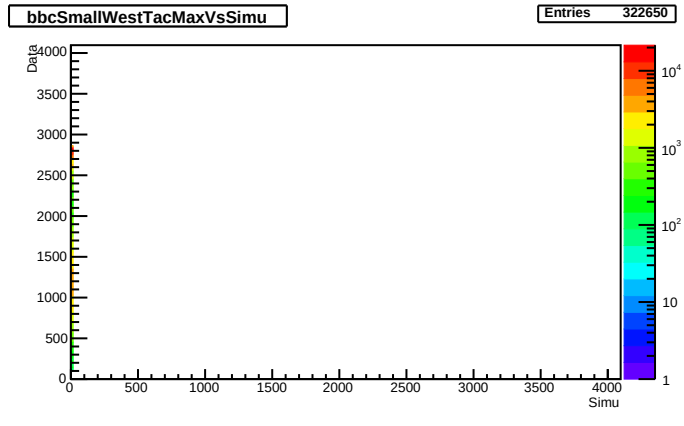
Entries 478168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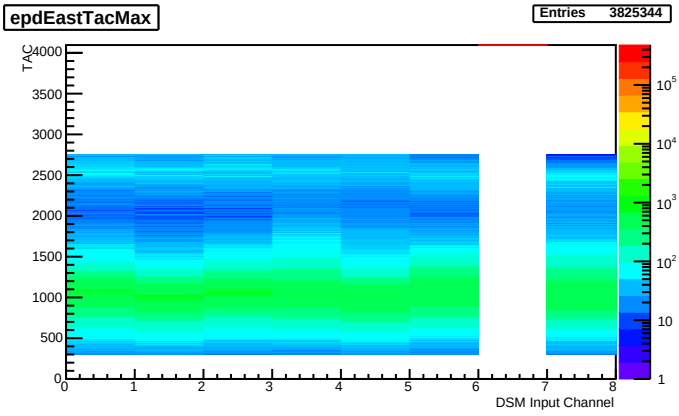
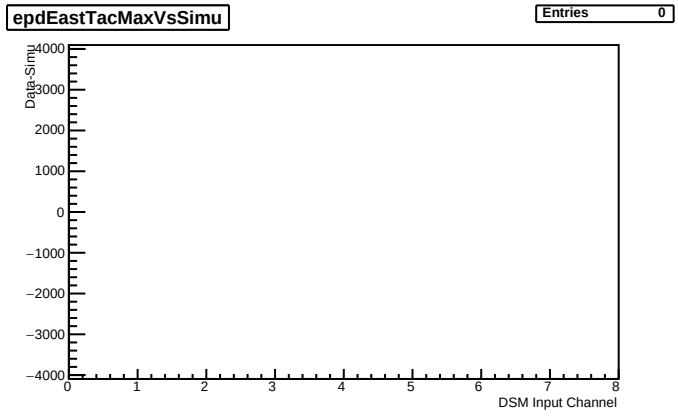
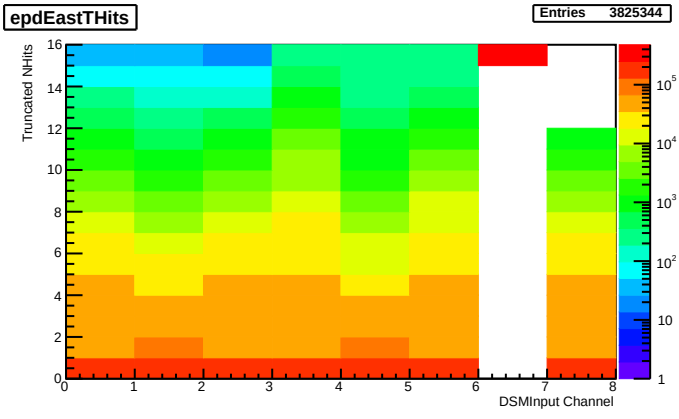
Entries 322650
Data
Simu


epdEastTacMax
Entries 3825344
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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Entries 3825344
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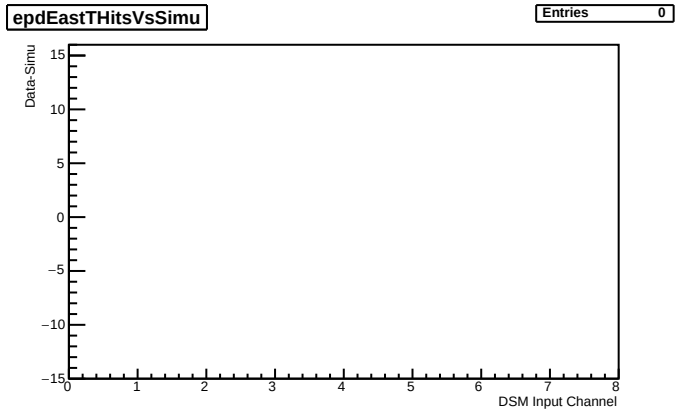
DSMInput Channel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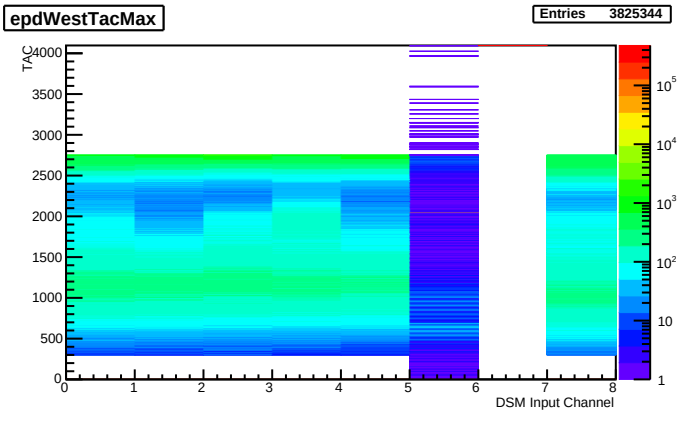
DSM Input Channel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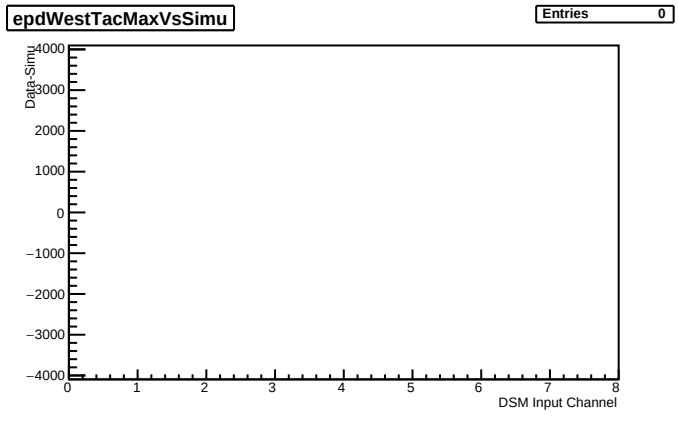
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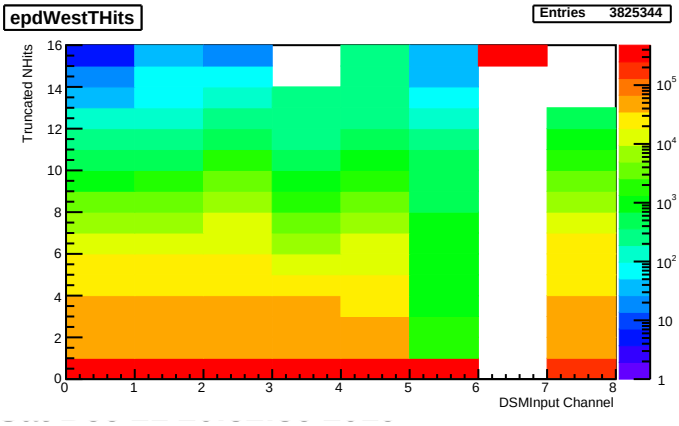
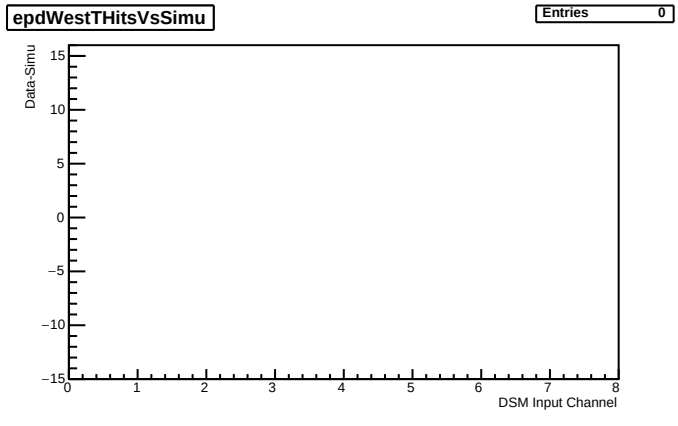
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3825344
Truncated NHits
DSMInput Channel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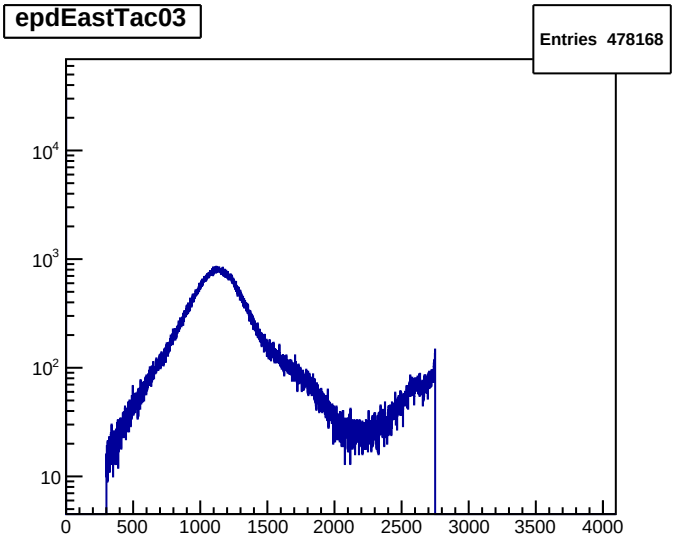
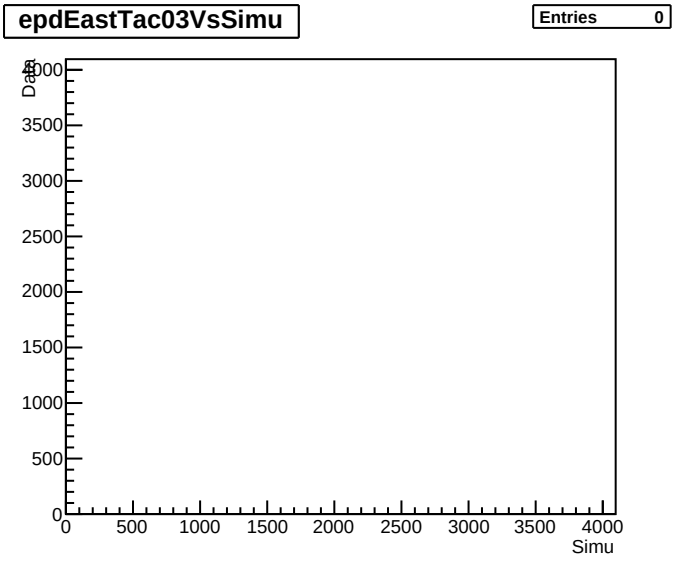
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 478168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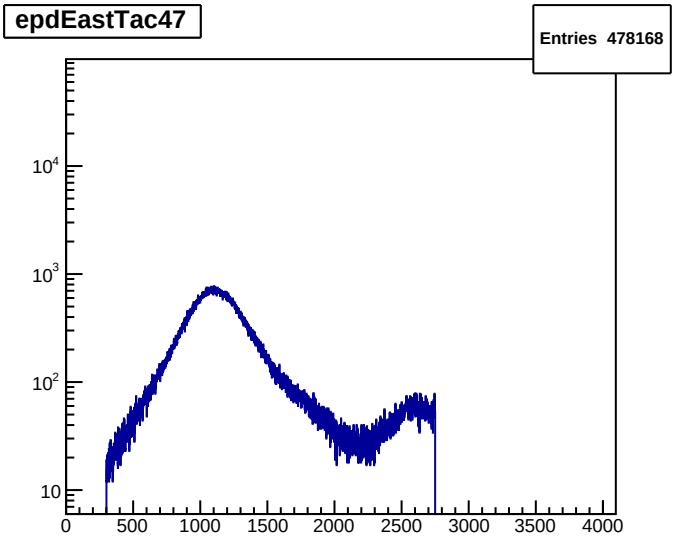
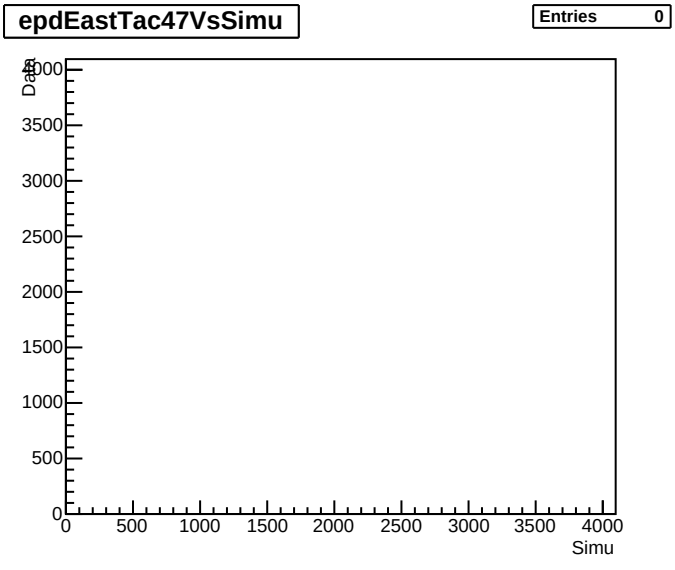
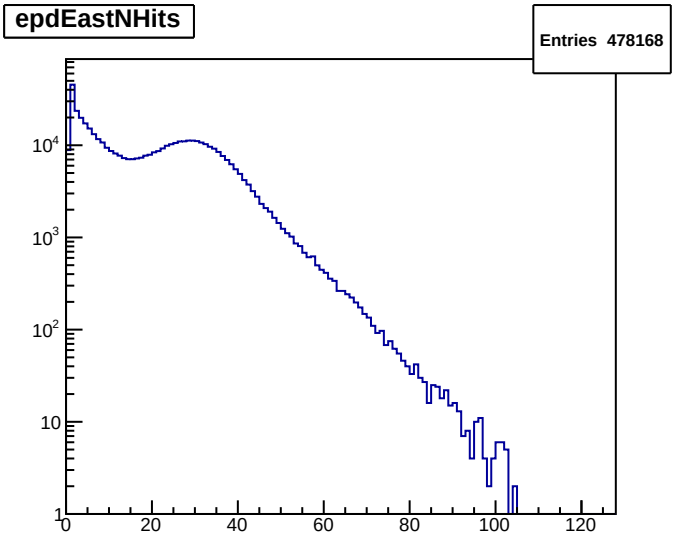
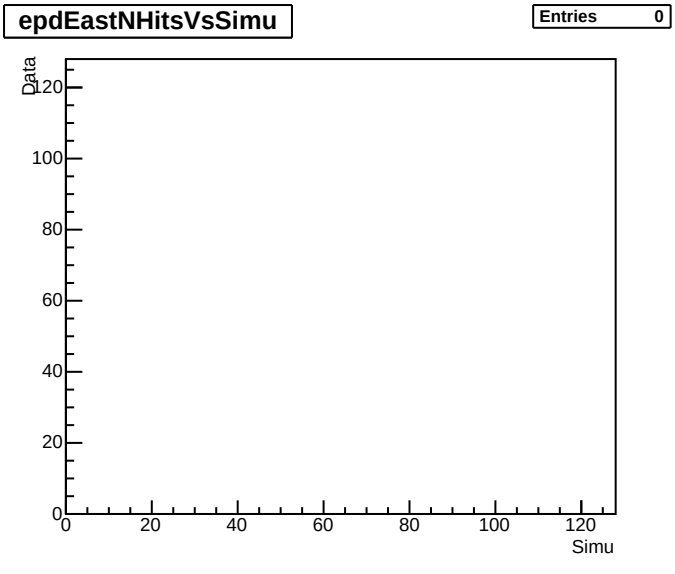
Entries 0
Data
Simu


epdEastTac47
Entries 478168


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 478168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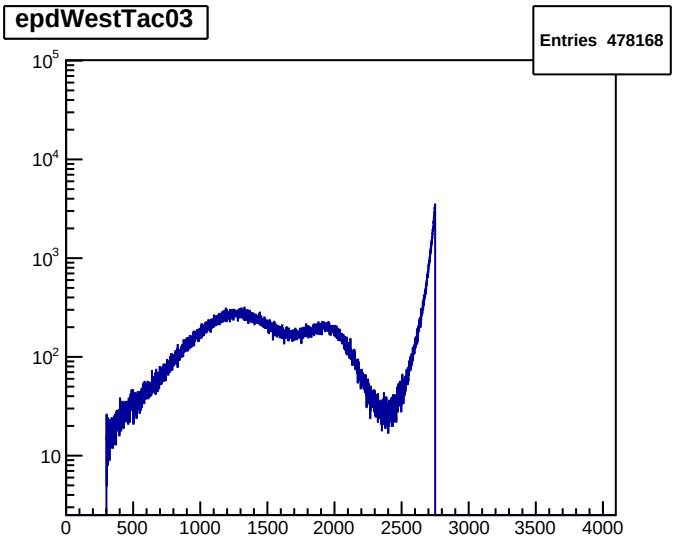
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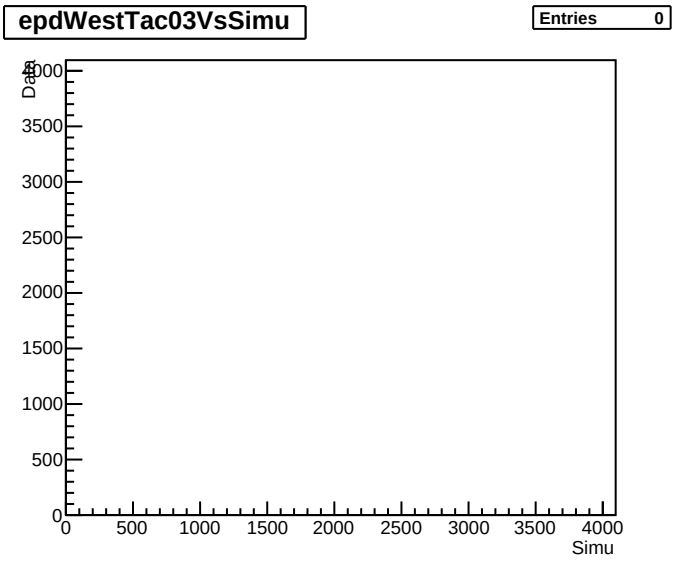
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Data
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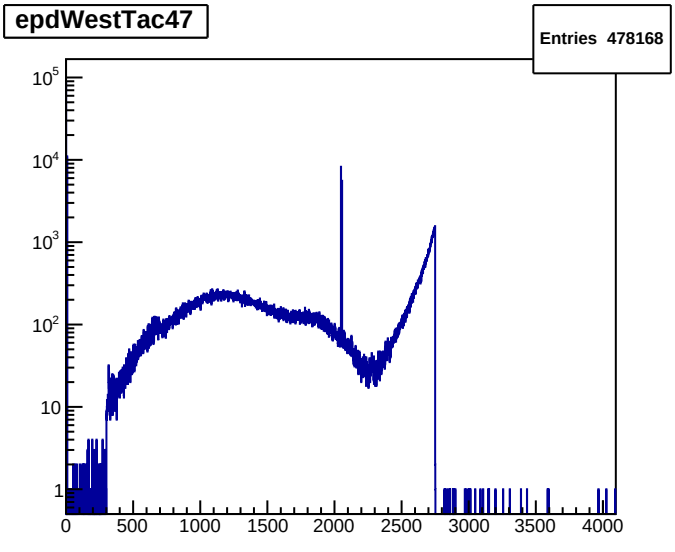
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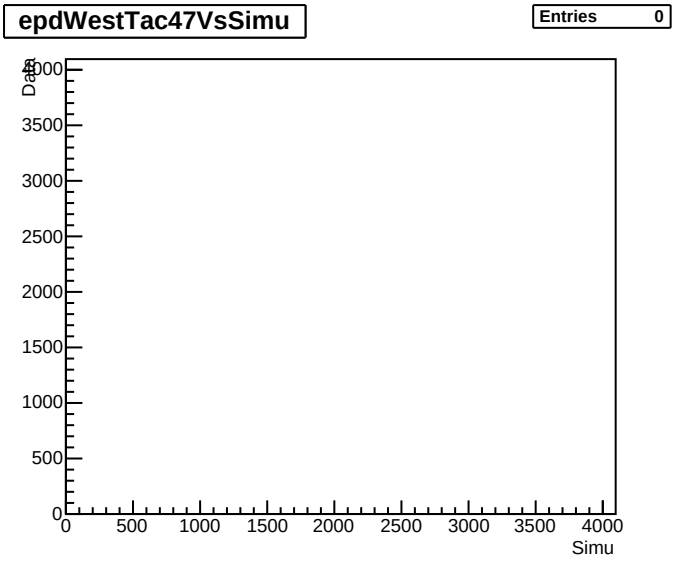
Entries 478168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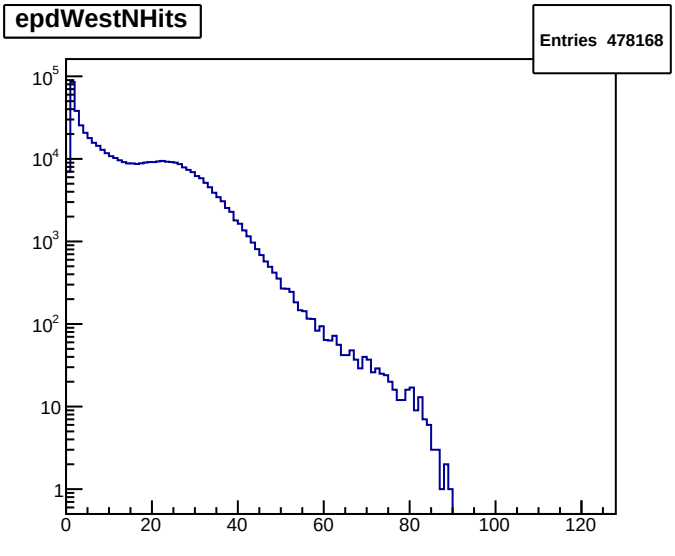
Entries 0
Data
Simu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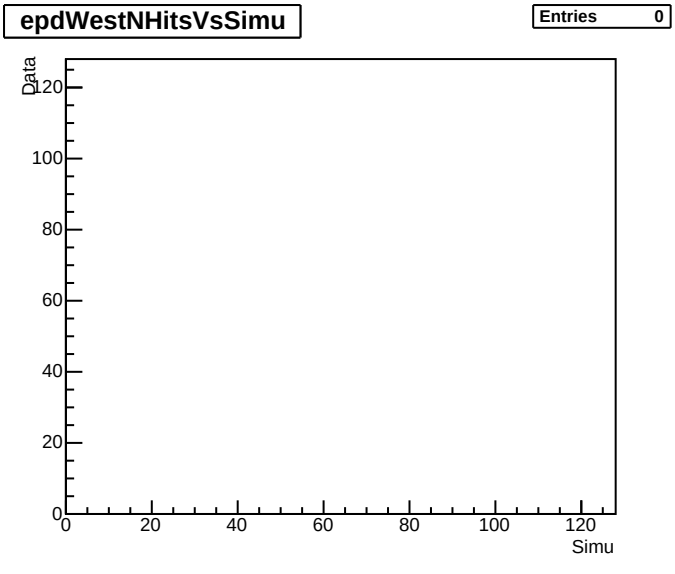
Entries 478168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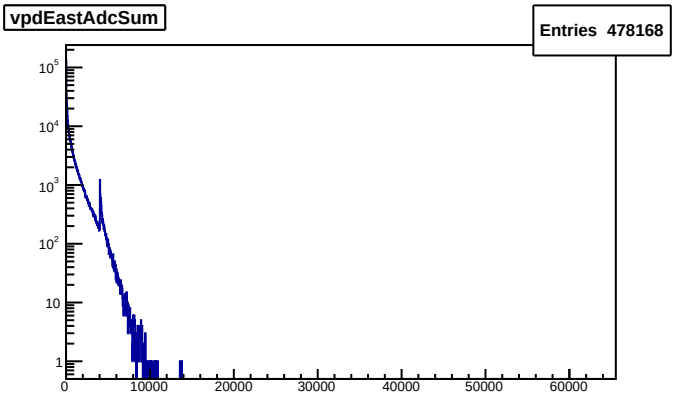
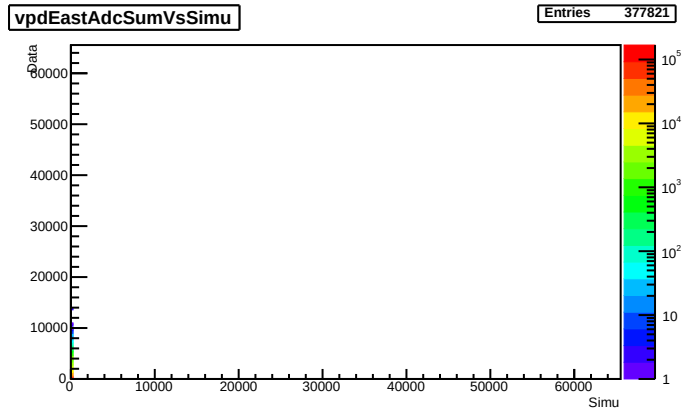
Entries 0
Data
Simu


vpdEastAdcSum
Entries 478168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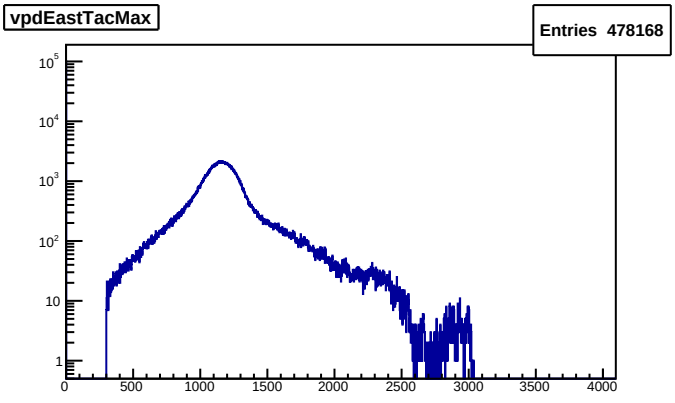
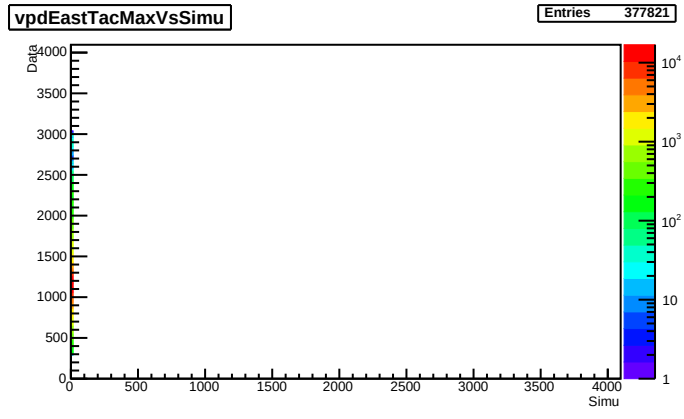
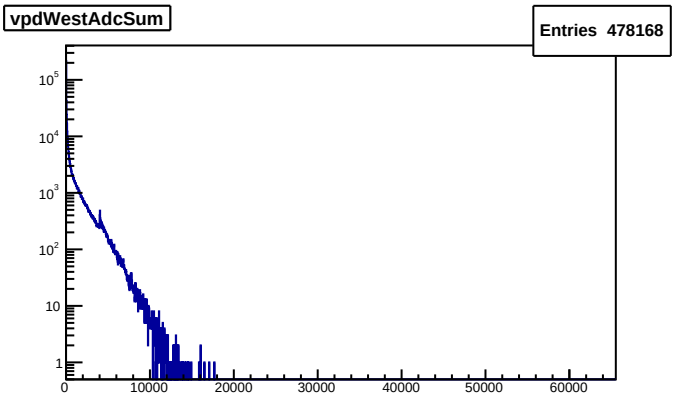
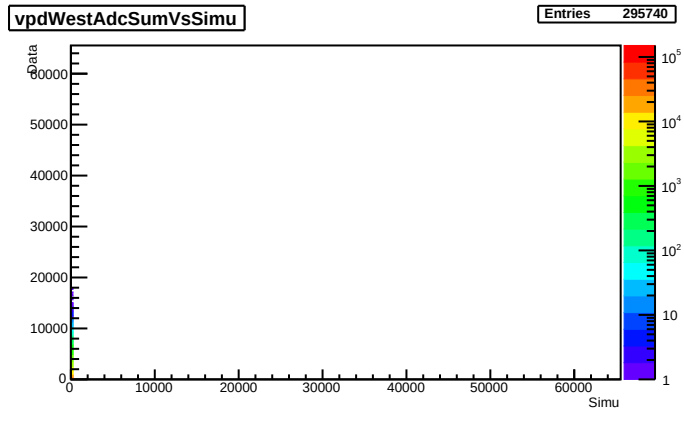
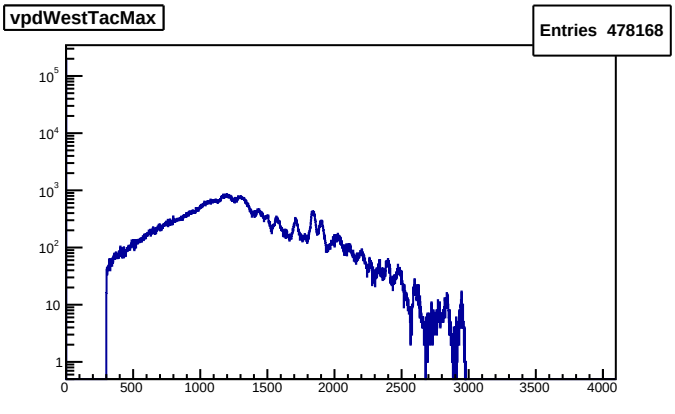
Entries 377821
Data
Simu

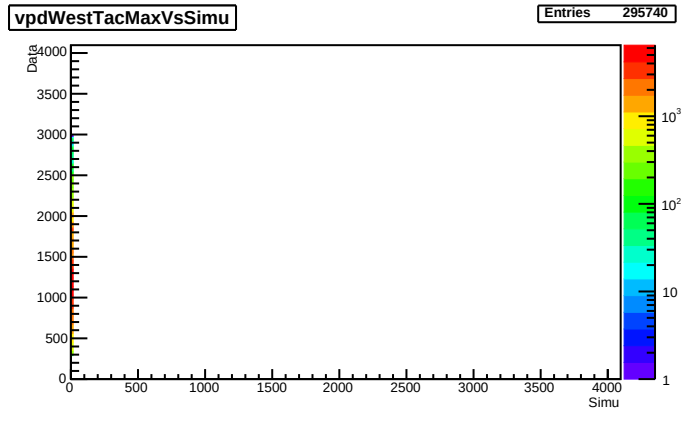

vpdEastTacMax
Entries 478168

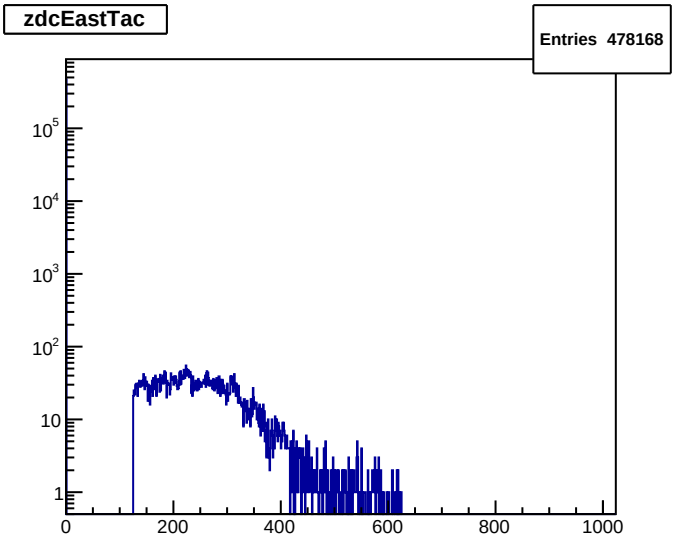

vpdEastTacMaxVsSimu
Entries 377821
Data
Simu

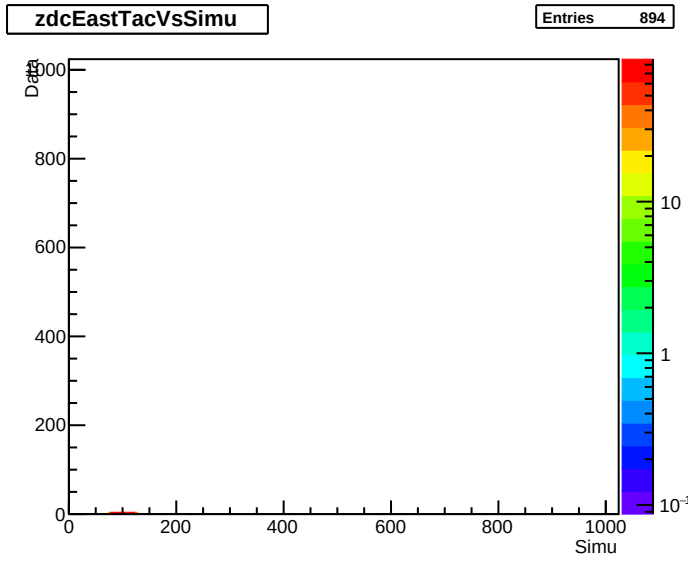

vpdWestAdcSum
Entries 478168

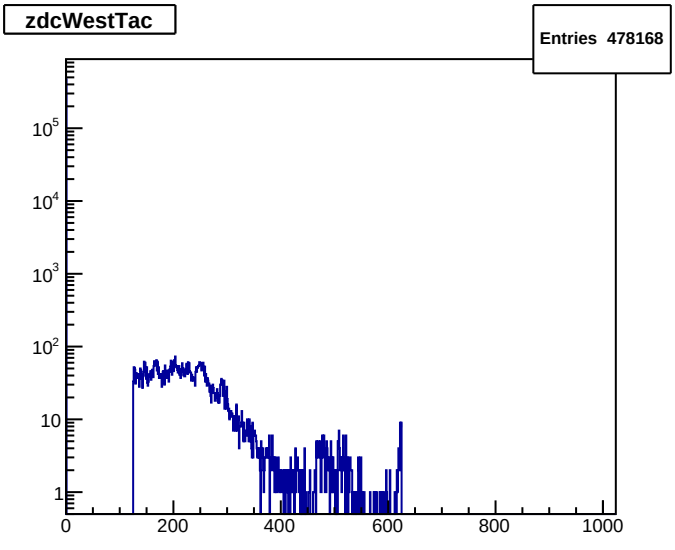

vpdWestAdcSumVsSimu
Entries 295740
Data
Simu

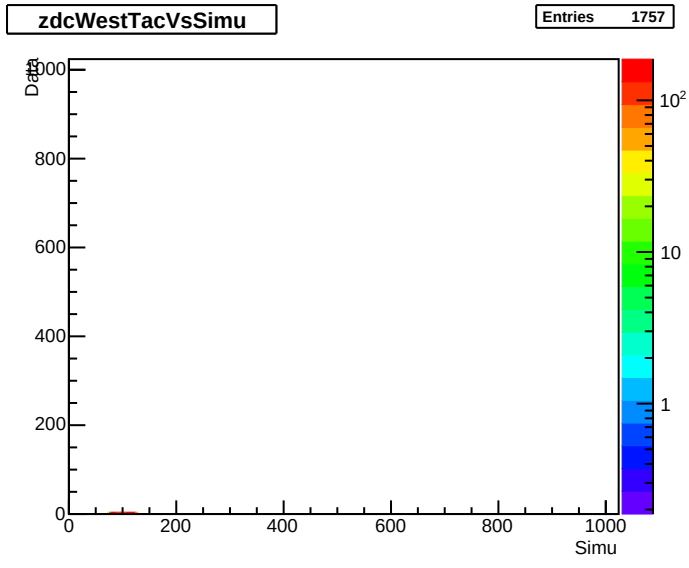

vpdWestTacMax
Entries 478168

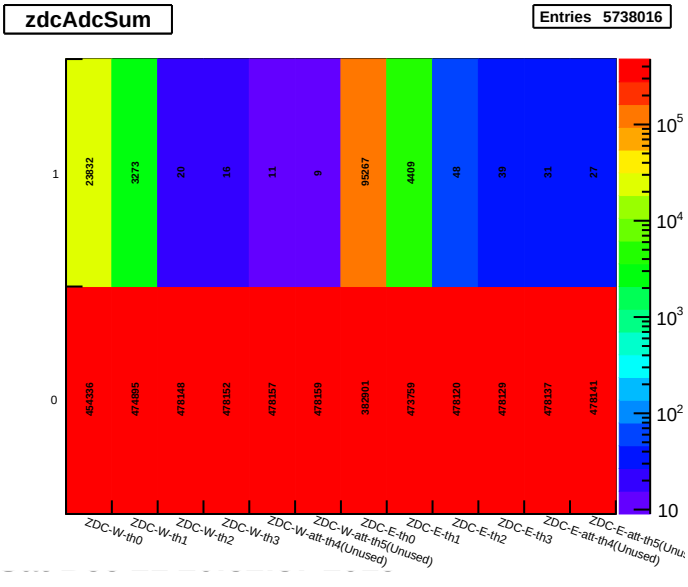

vpdWestTacMaxVsSimu
Entries 295740
Data
Simu

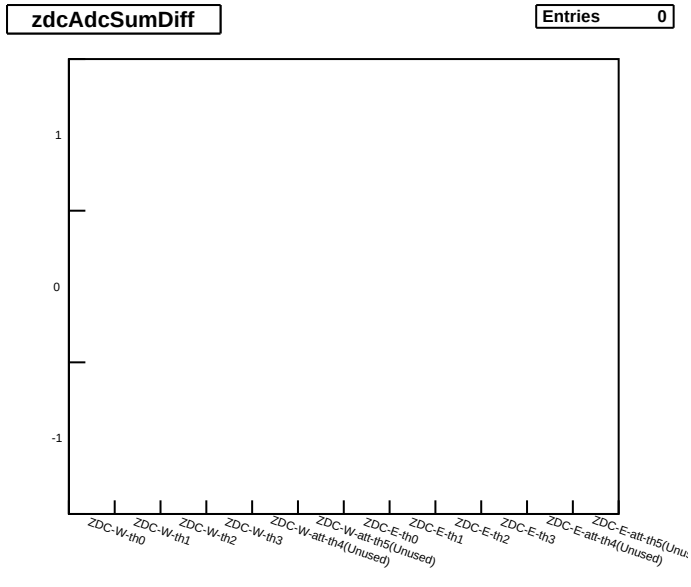

zdcEastTac
Entries 478168

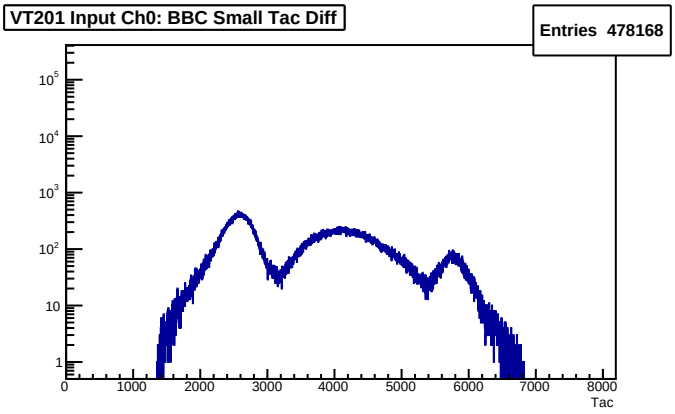

zdcEastTacVsSimu
Entries 894
Data
Simu

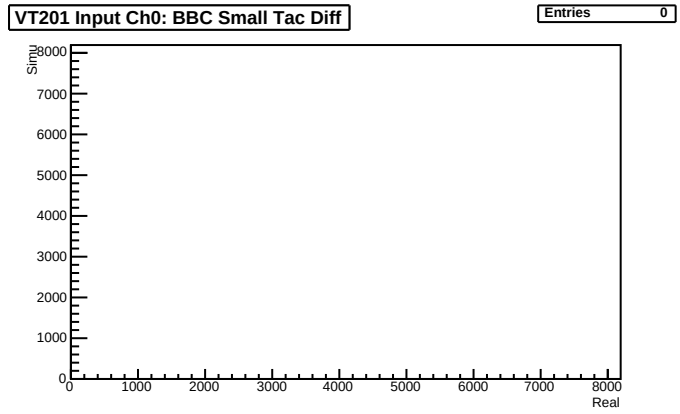

zdcWestTac
Entries 478168

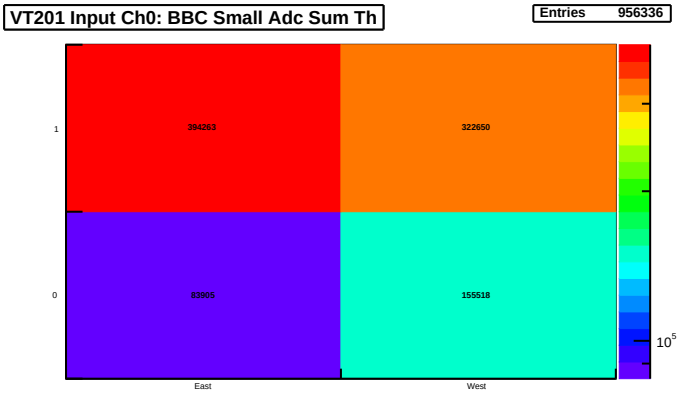

zdcWestTacVsSimu
Entries 1757
Data
Simu

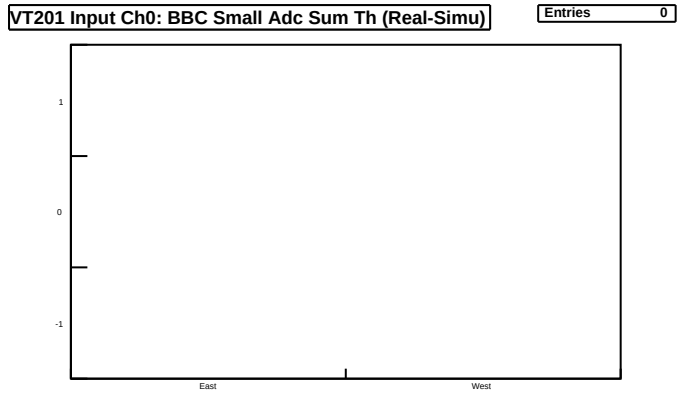

zdcAdcSum
Entries 5738016
23832
3273
20
16
11
9
95267
4409
48
39
31
27
454336
474895
478148
478152
478157
478159
382901
473759
478120
478129
478137
478141
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

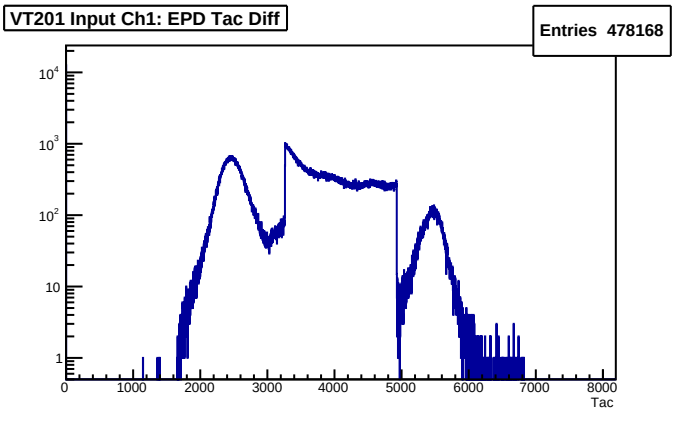

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

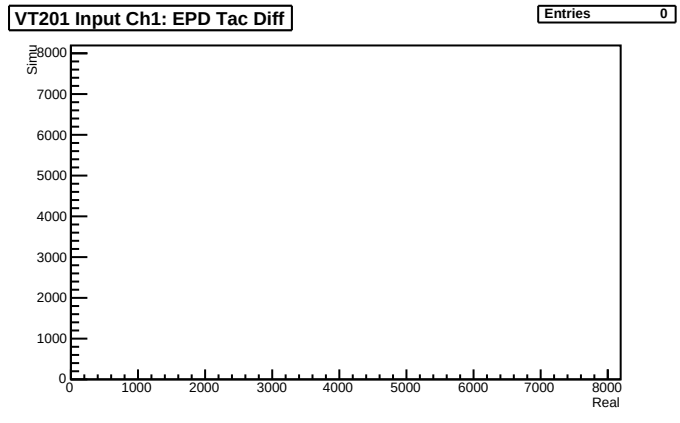

VT201 Input Ch0: BBC Small Tac Diff
Entries 478168
Tac

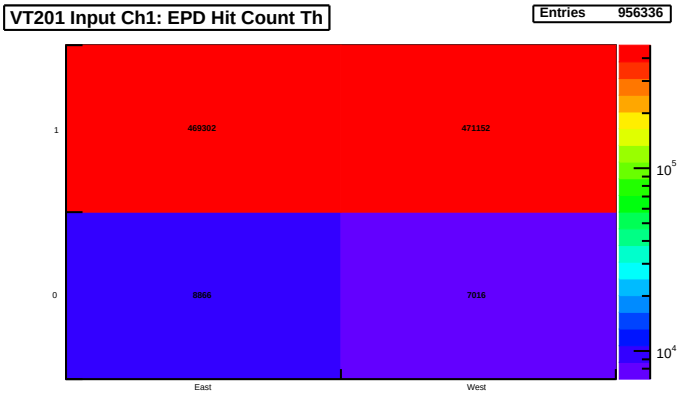

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

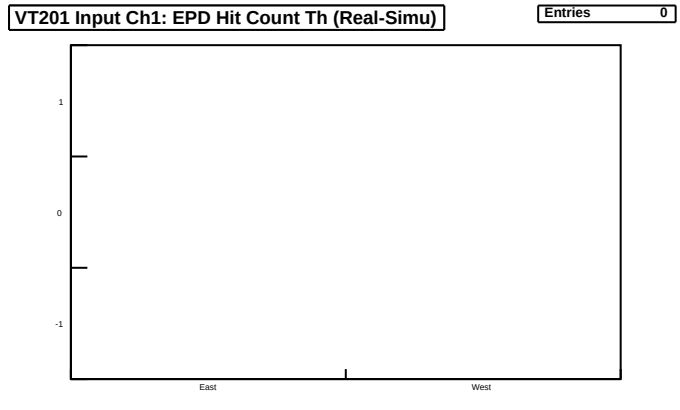

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 956336
394263
322650
83905
155518
East
West

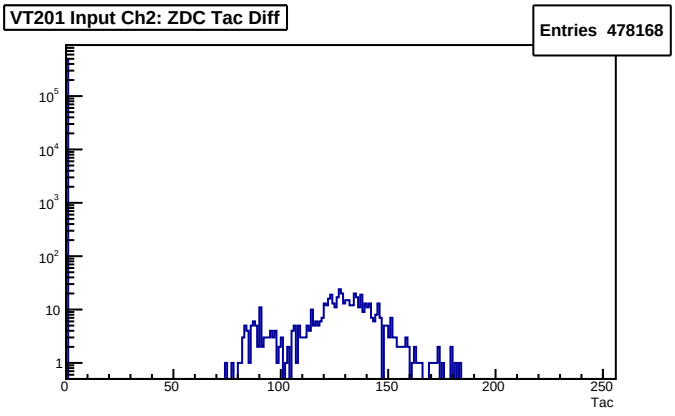

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

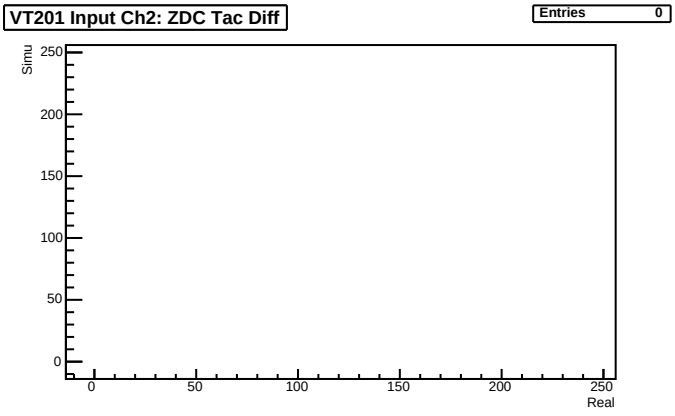

VT201 Input Ch1: EPD Tac Diff
Entries 478168
Tac

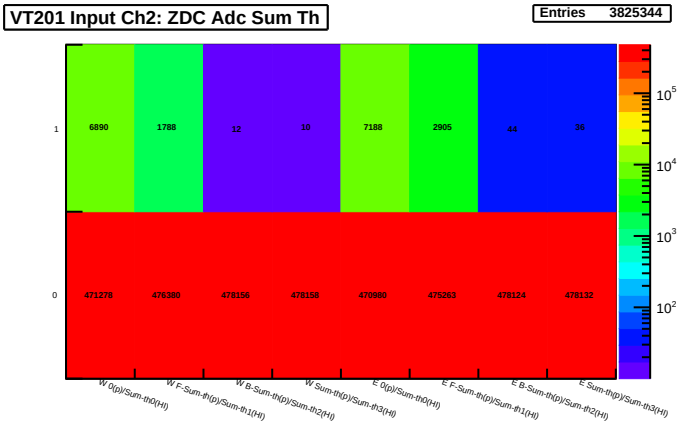

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

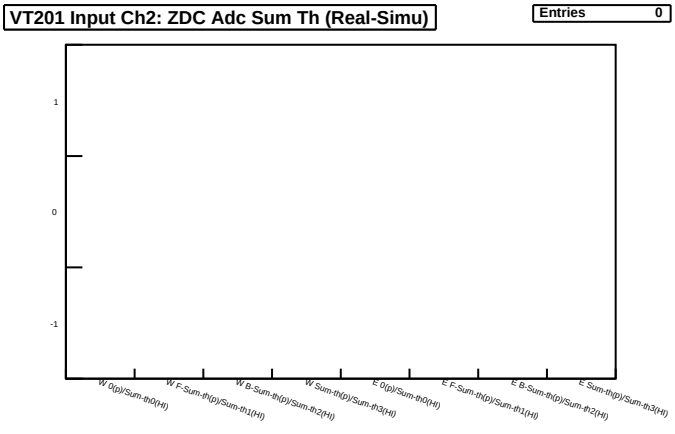

VT201 Input Ch1: EPD Hit Count Th
Entries 956336
469302
471152
8886
7016
East
West

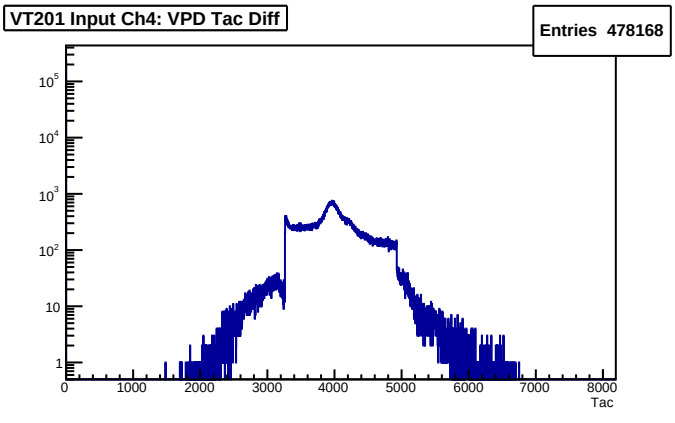

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

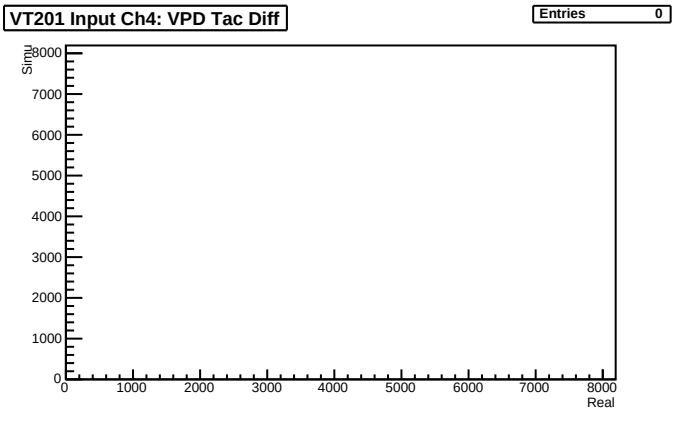

VT201 Input Ch2: ZDC Tac Diff
Entries 478168
Tac

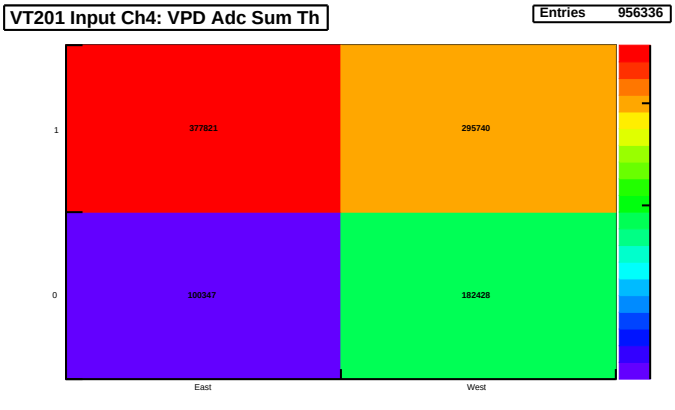

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

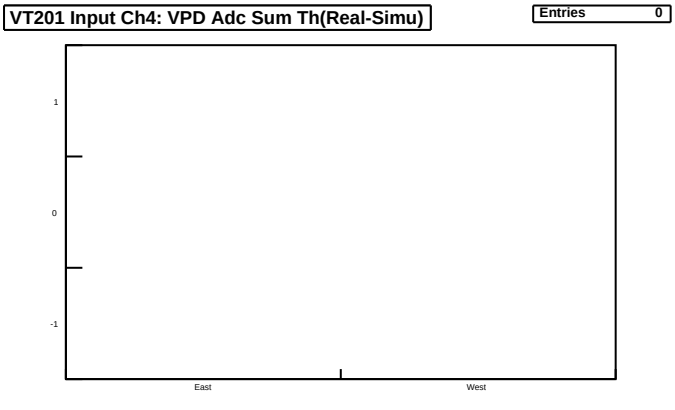

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3825344
6890
1788
12
10
7188
2905
44
36
471278
476380
478156
478158
470980
475263
478124
478132
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

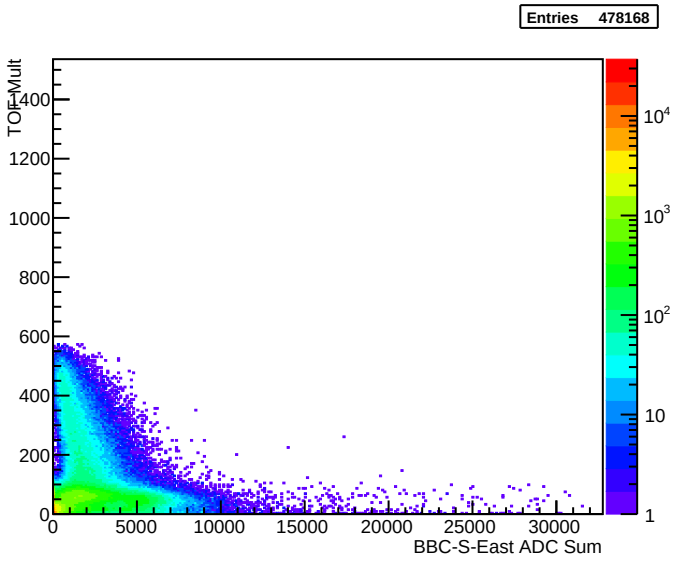

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

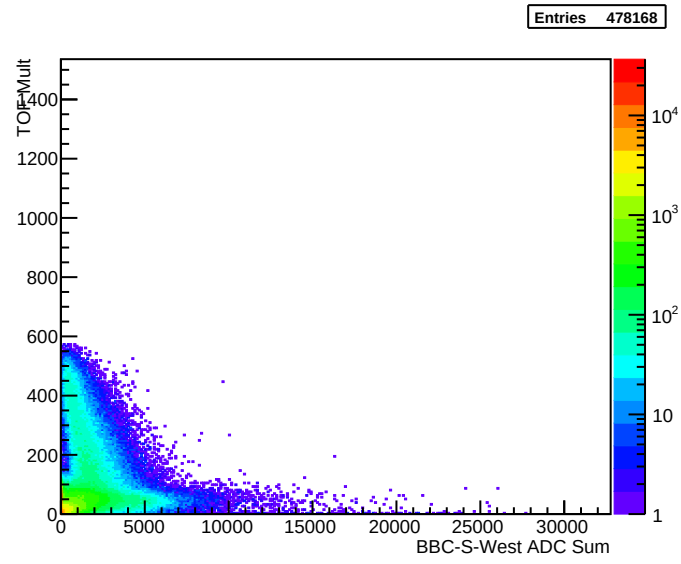

VT201 Input Ch4: VPD Tac Diff
Entries 478168
Tac

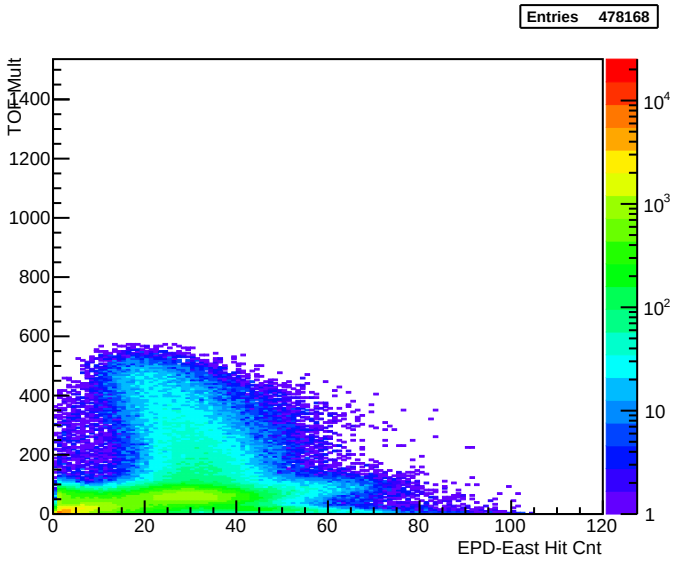

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

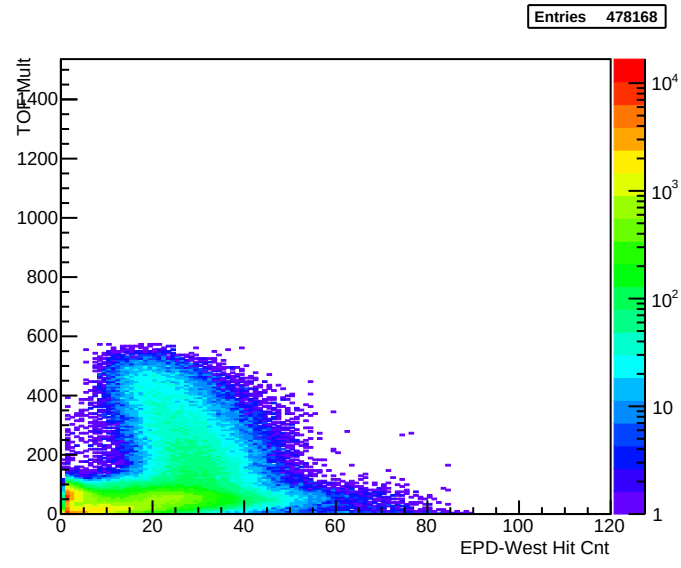

VT201 Input Ch4: VPD Adc Sum Th
Entries 956336
377821
295740
190347
182428
East
West

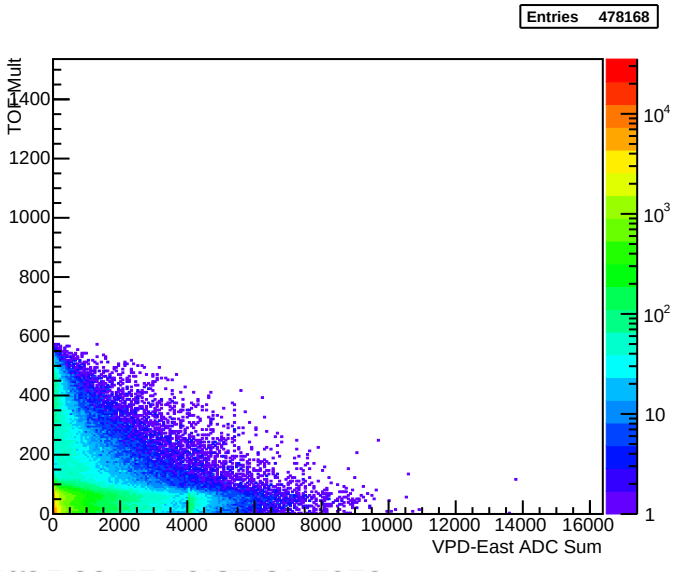

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

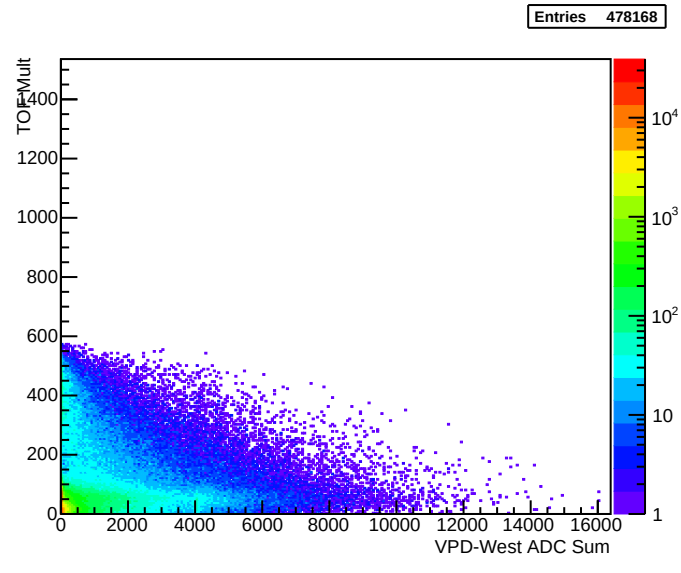

Entries 478168
TOF-Mult
BBC-S-East ADC Sum

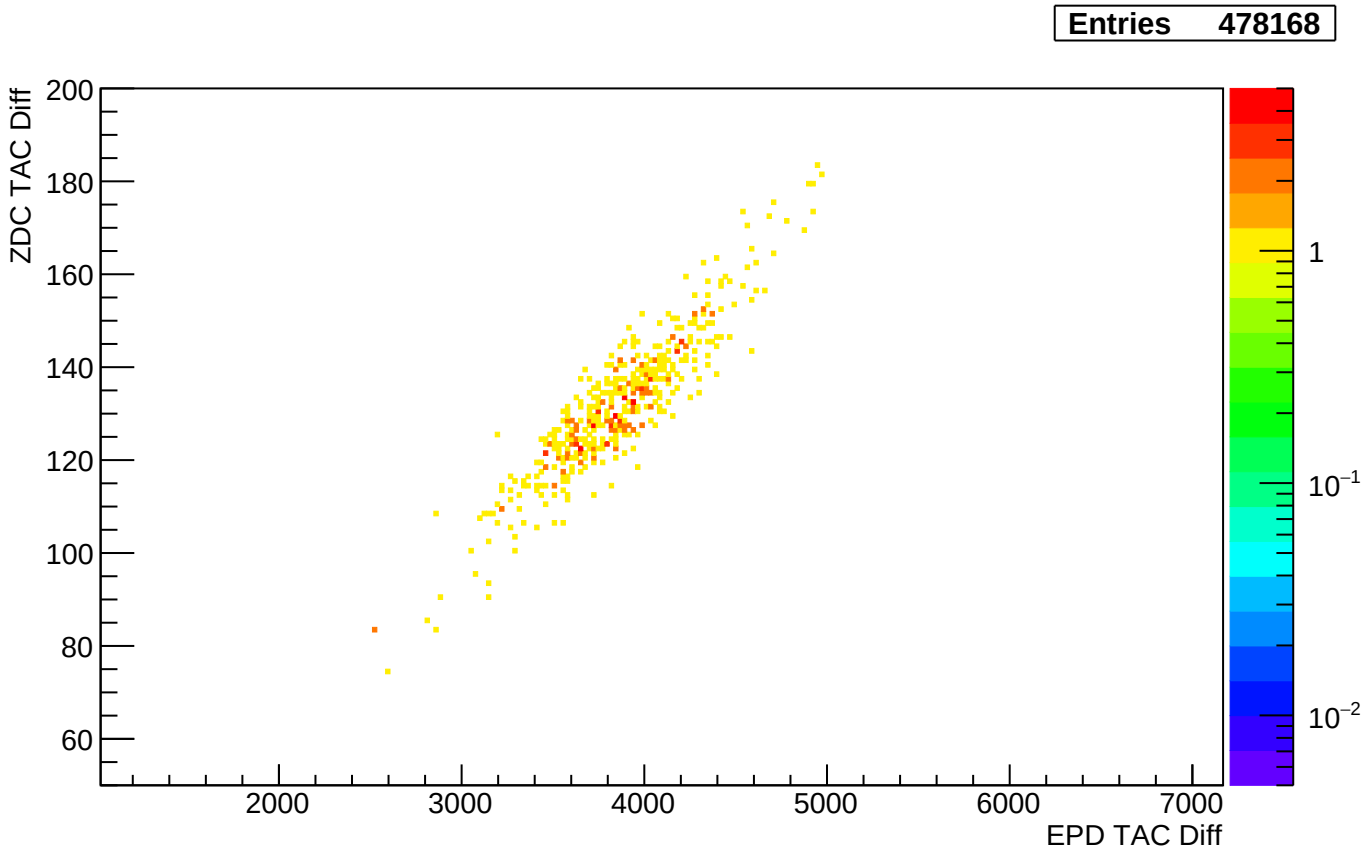

Entries 478168
TOF-Mult
BBC-S-West ADC Sum

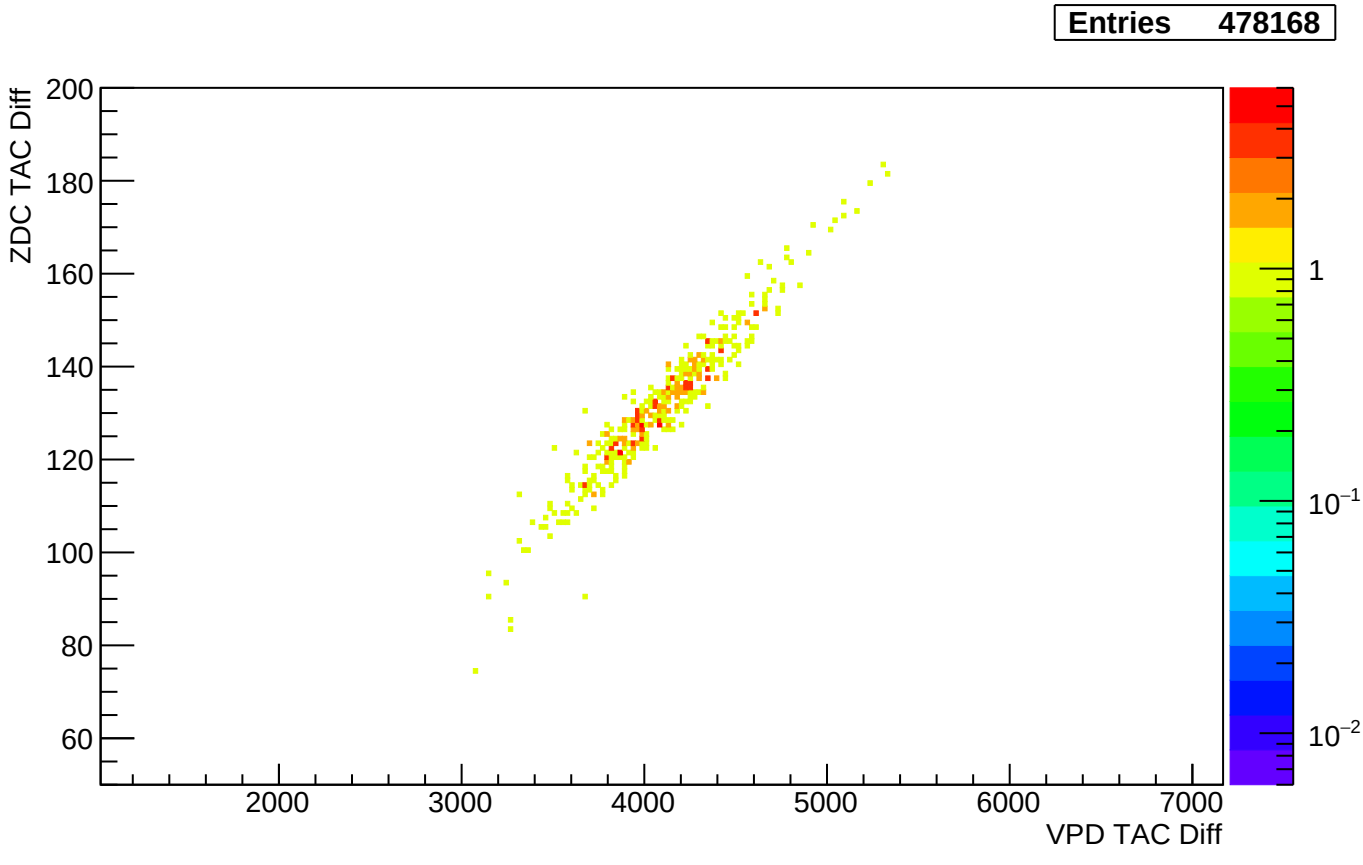

Entries 478168
TOF-Mult
EPD-East Hit Cnt

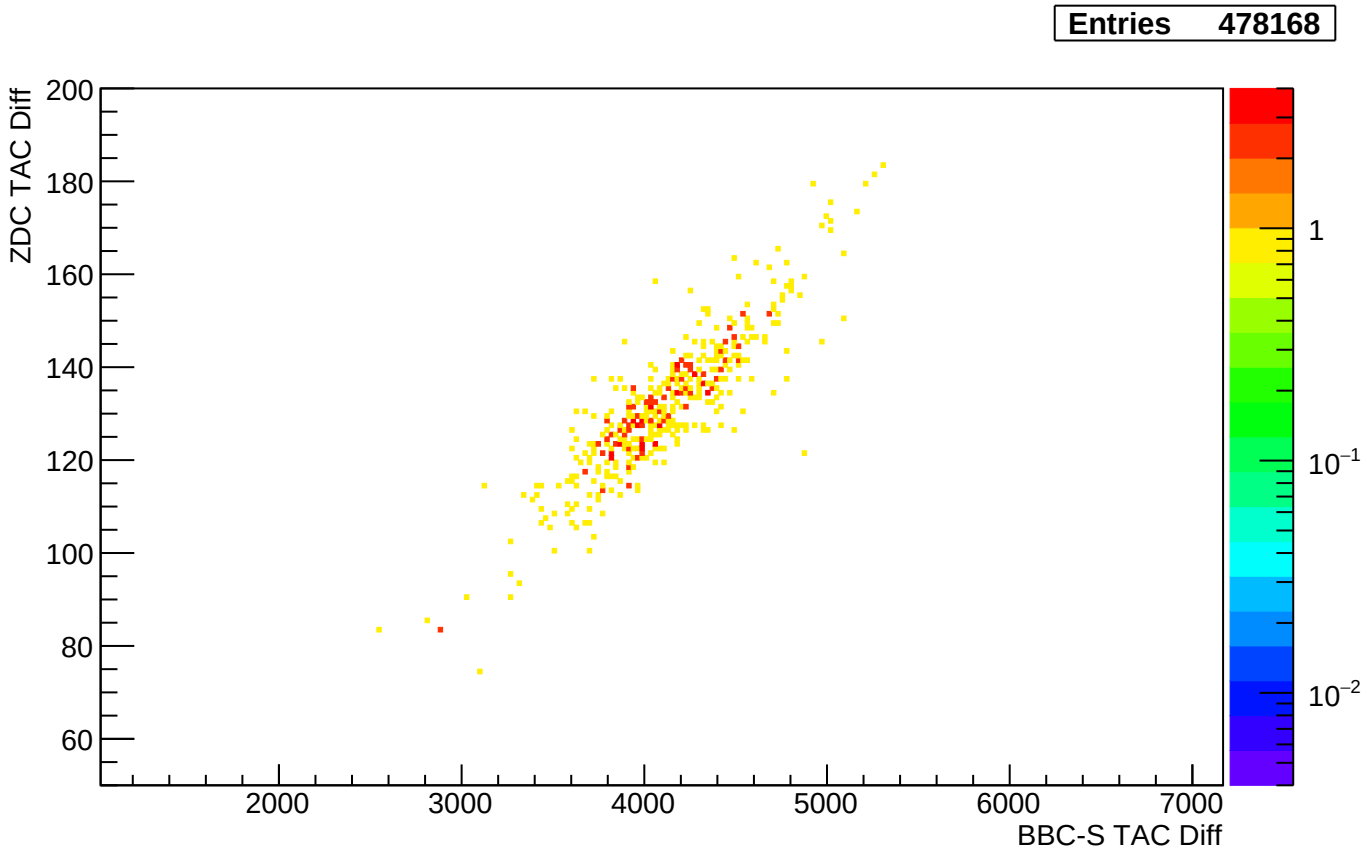

Entries 478168
TOF-Mult
EPD-West Hit Cnt

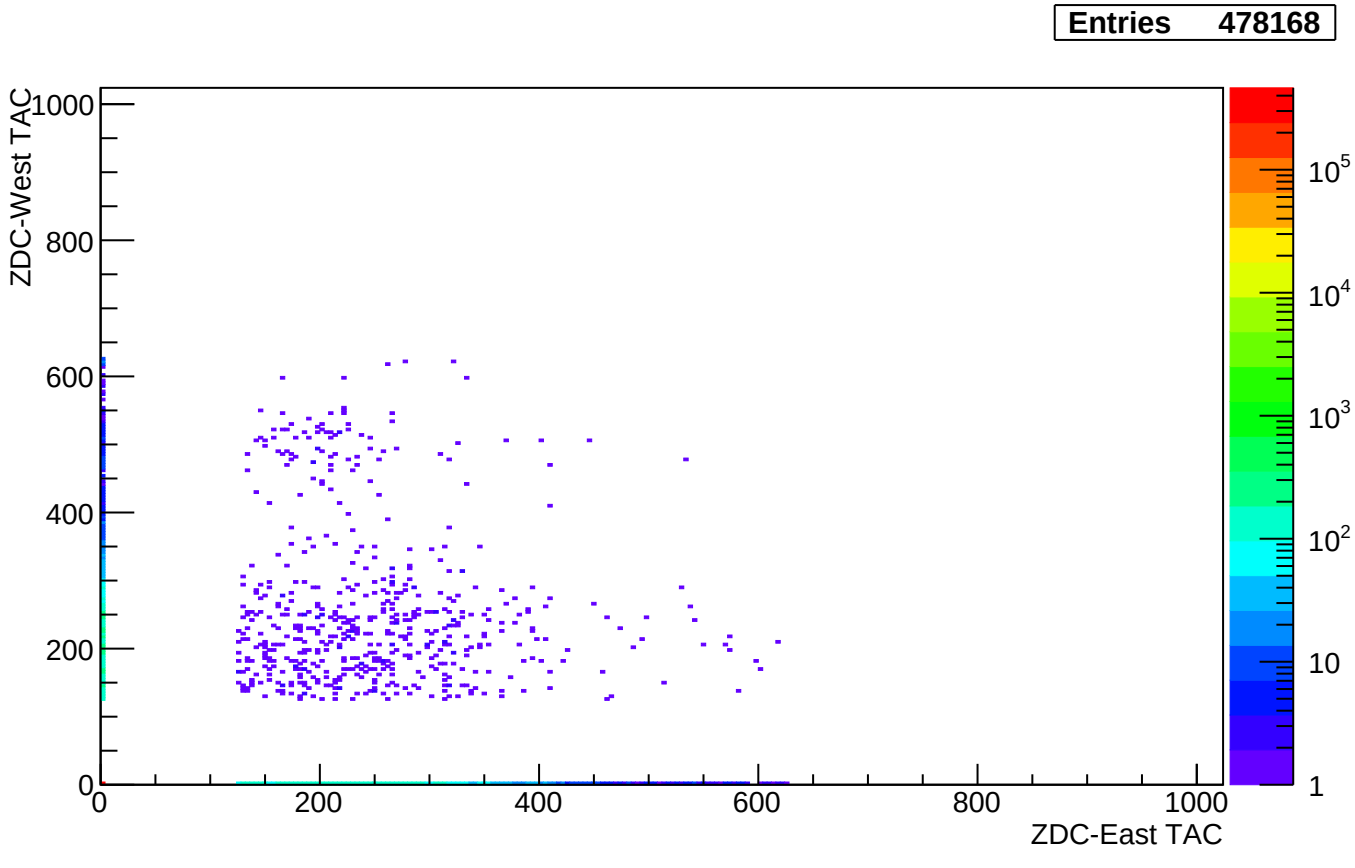

Entries 478168
TOF-Mult
VPD-East ADC Sum

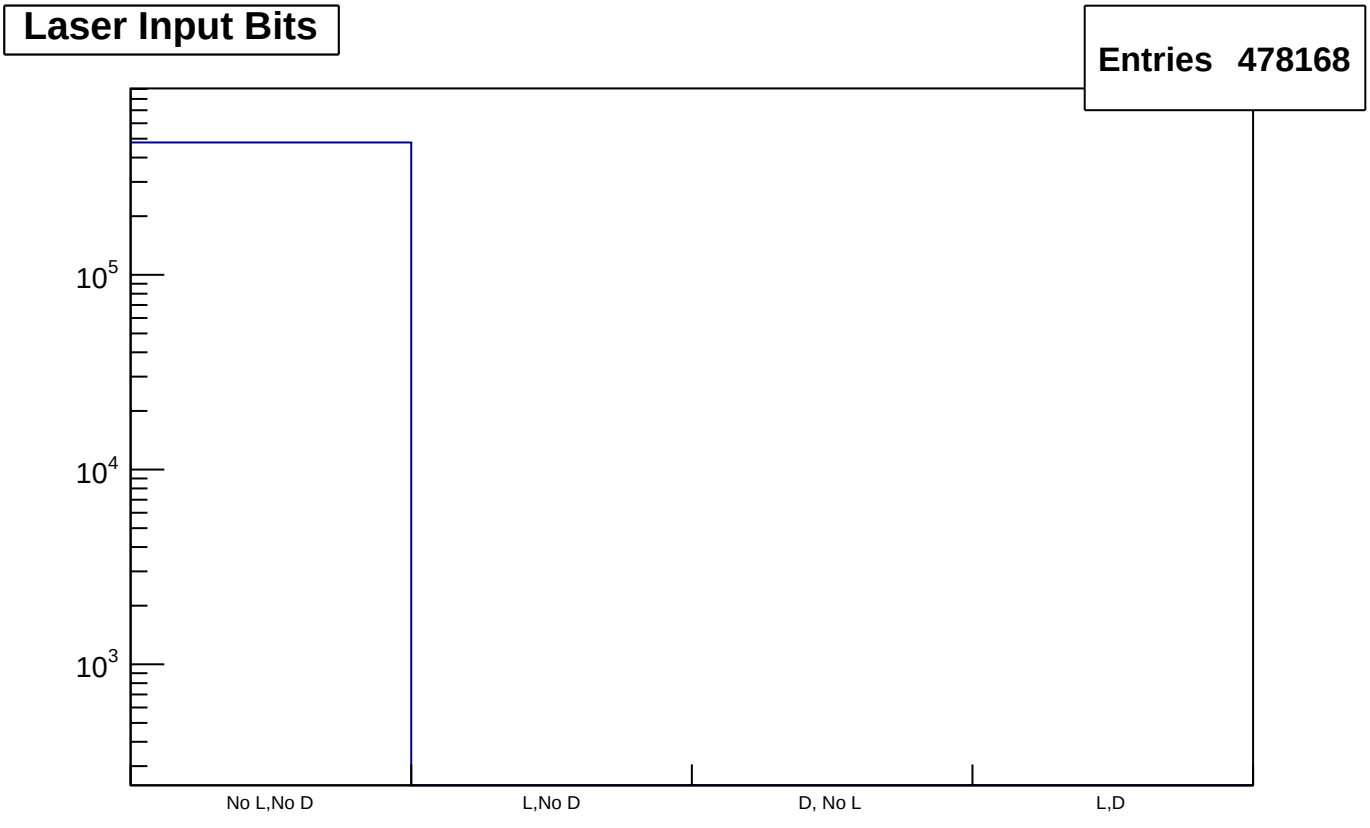

Entries 478168
TOF-Mult
VPD-West ADC Sum

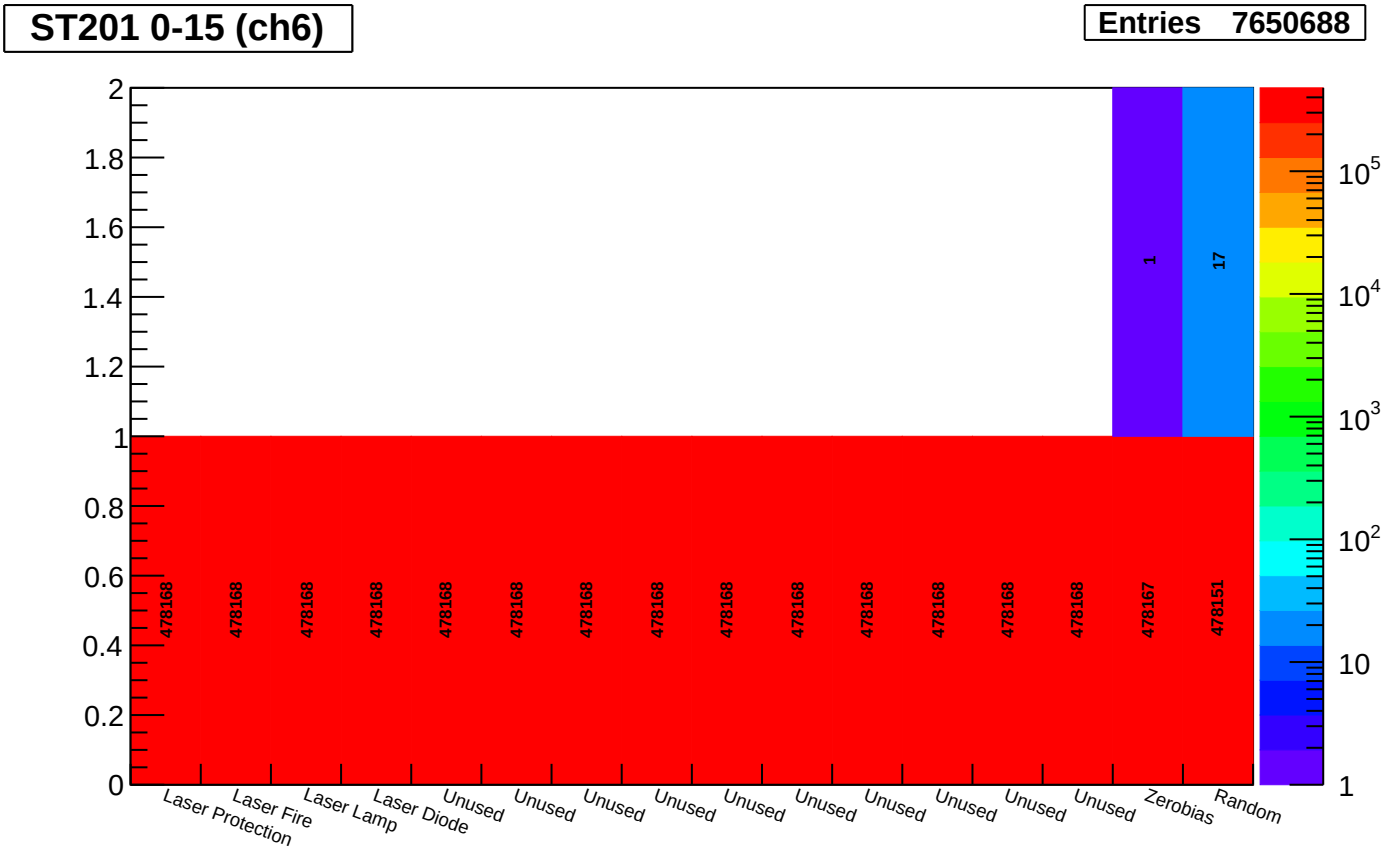

Entries 478168
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

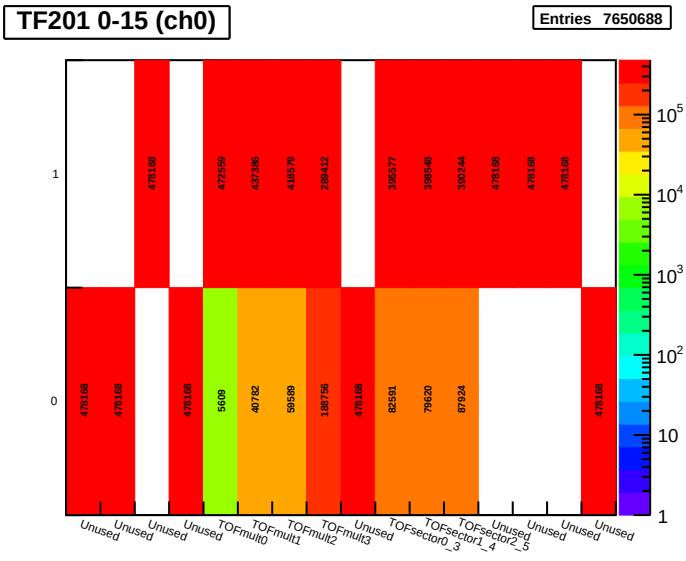

Entries 478168
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

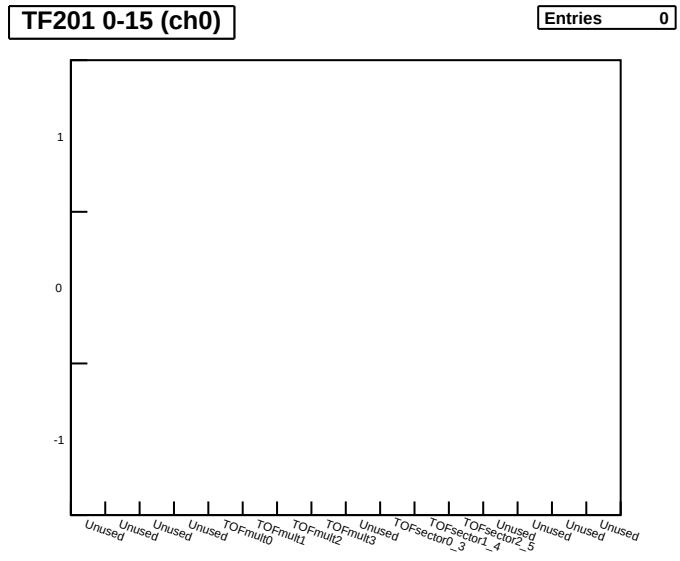

Entries 478168
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

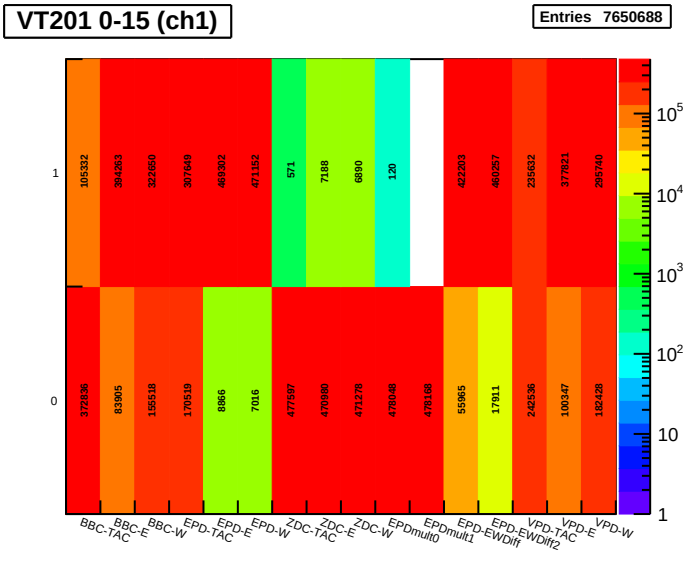

Entries 478168
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

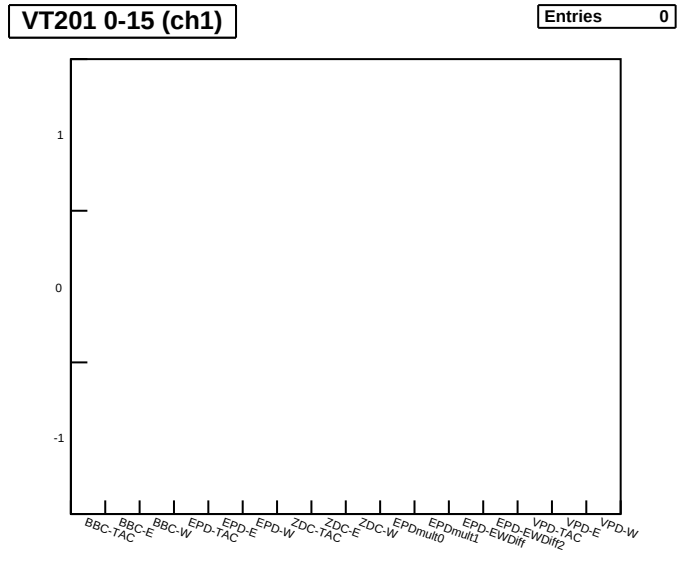

Laser Input Bits
Entries 478168
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

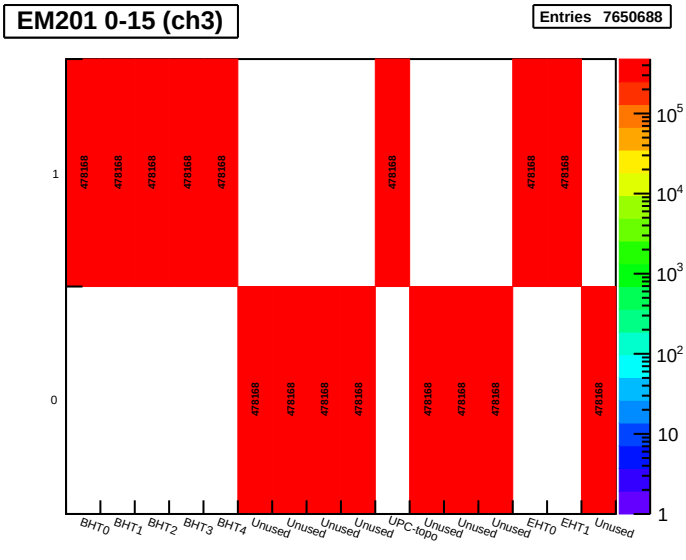

ST201 0-15 (ch6)
Entries 7650688
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
478168
478168
478168
478168
478168
478168
478168
478168
478168
478168
478168
478168
478168
478168
478167
478151
1
17
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

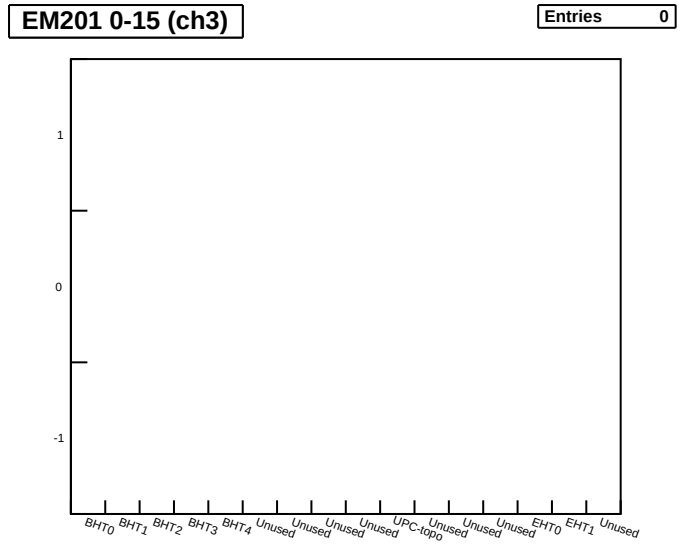

TF201 0-15 (ch0)
Entries 7650688
1
0
478168 472559 437386 410579 289412 395577 398548 390244 478168 478168 478168
478168 478168 478168 5609 40782 59589 188756 478168 82591 79620 87924 478168
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 7650688
1
0
105332 394263 322650 307649 469302 471152 571 7188 6890 120 422203 460257 235632 377821 295740
372836 83905 155518 170519 8866 7016 477597 470980 471278 478048 478168 55965 17911 242536 100347 182428
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 7650688
1
0
478168 478168 478168 478168 478168 478168 478168 478168 478168
478168 478168 478168 478168 478168 478168 478168 478168
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