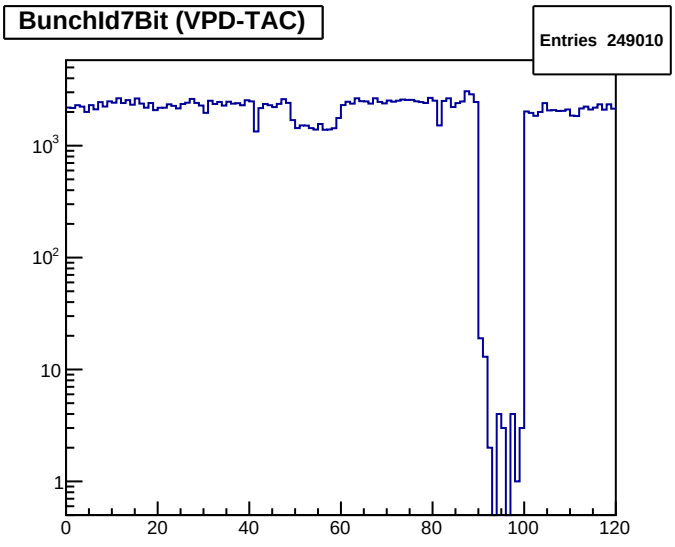
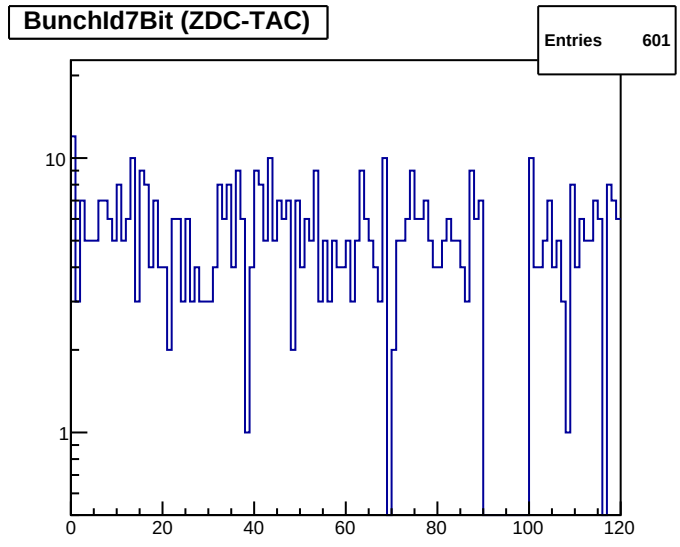
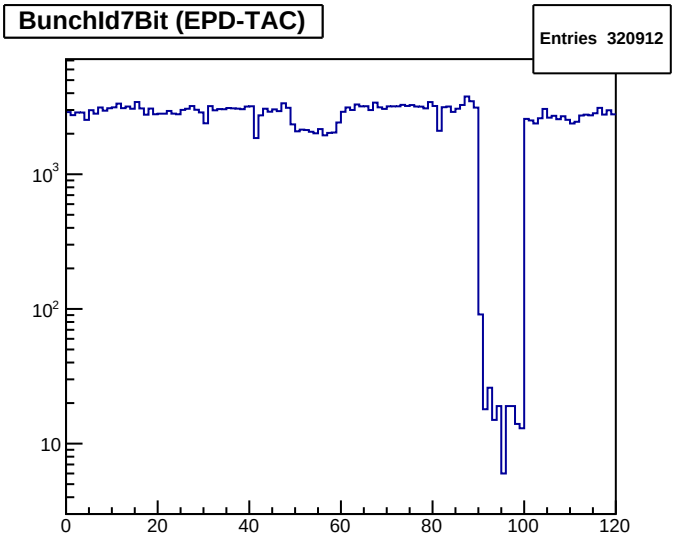
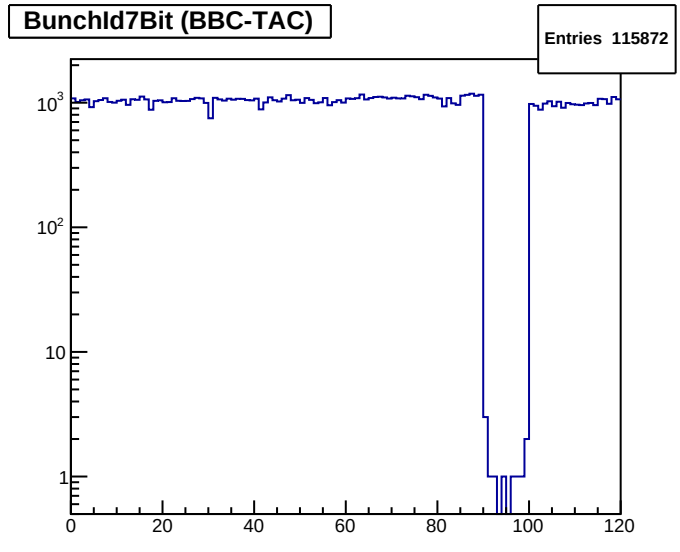
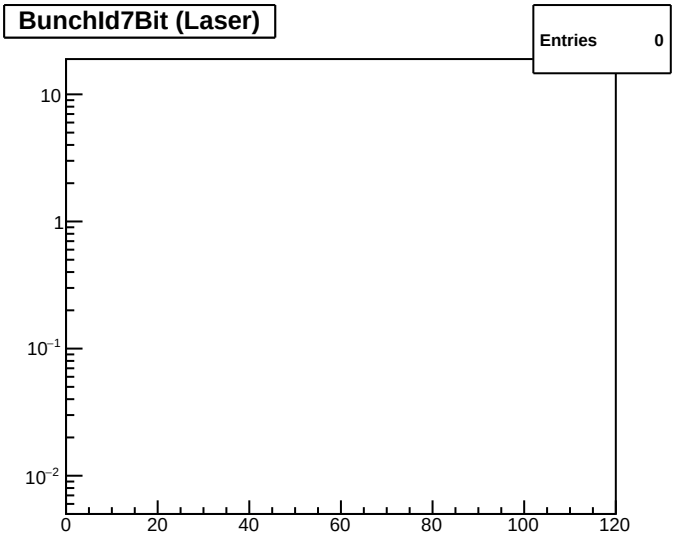
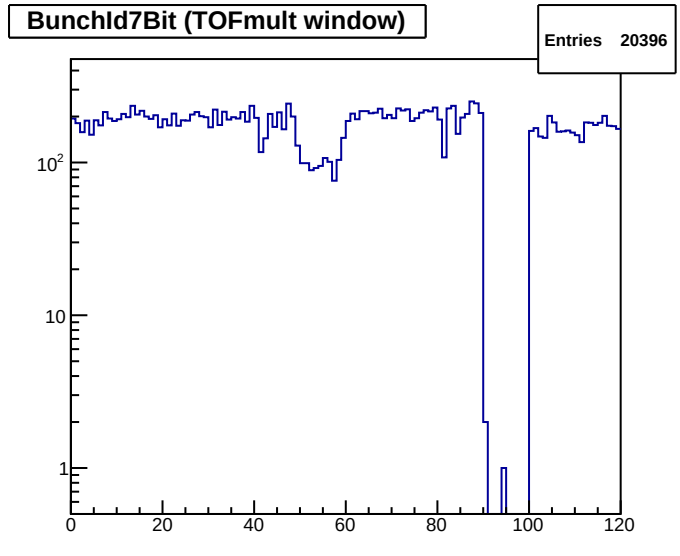

BunchId7Bit (VPD-TAC)
Entries 249010

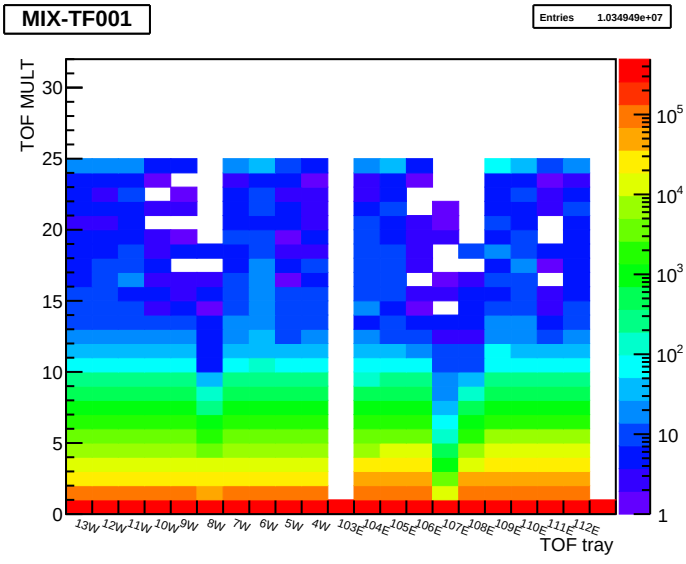

BunchId7Bit (ZDC-TAC)
Entries 601

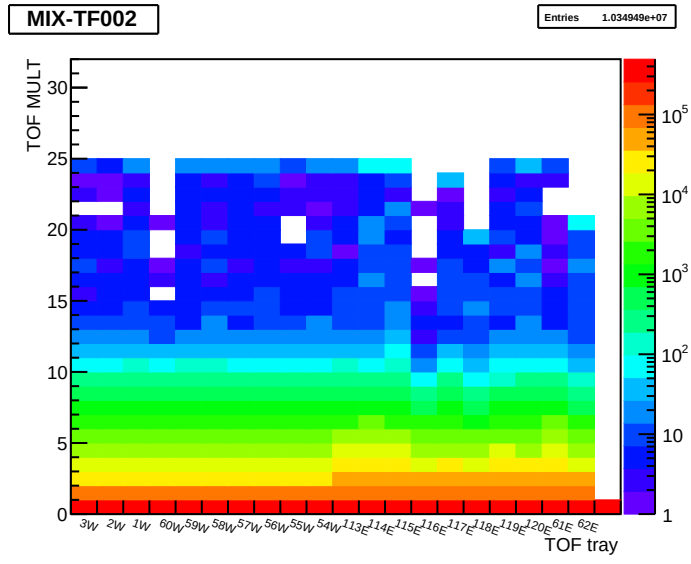

BunchId7Bit (EPD-TAC)
Entries 320912

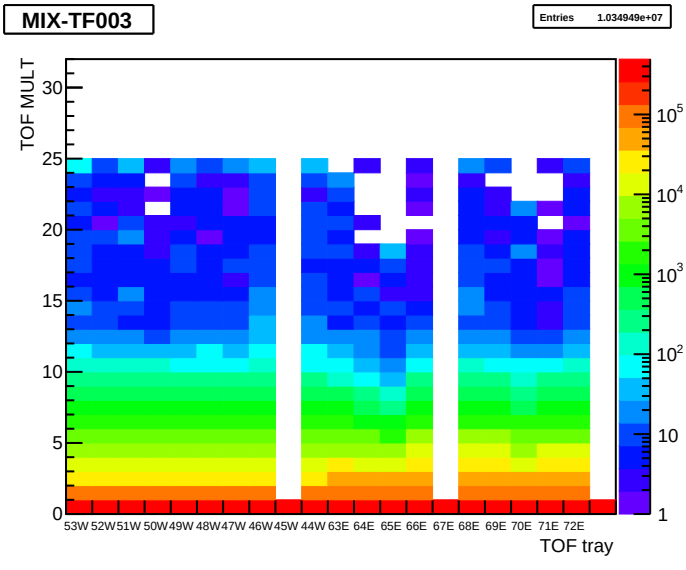

BunchId7Bit (BBC-TAC)
Entries 115872

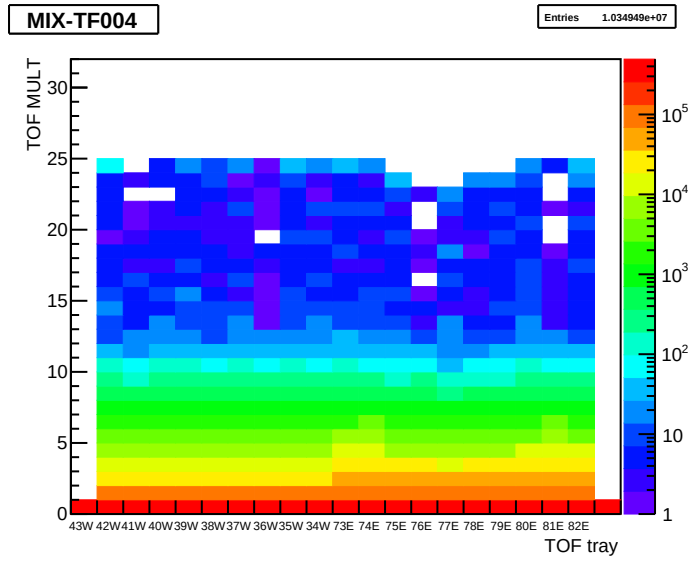

BunchId7Bit (Laser)
Entries 0

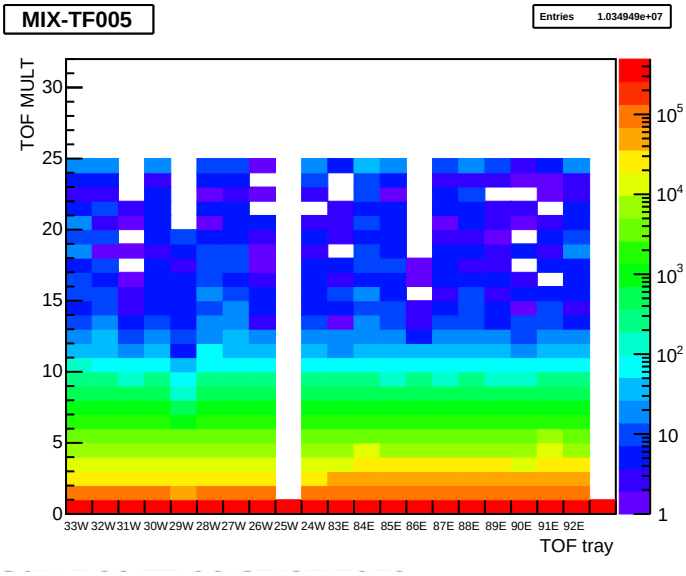

BunchId7Bit (TOFmult window)
Entries 20396

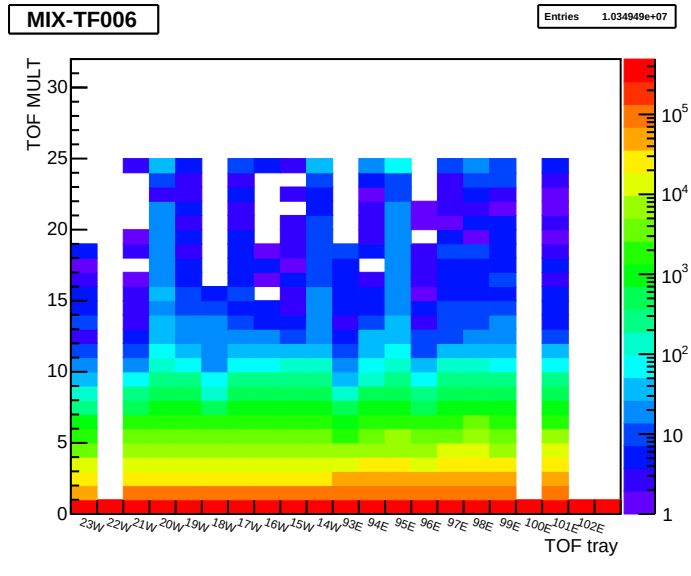

MIX-TF001
Entries 1.034949e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

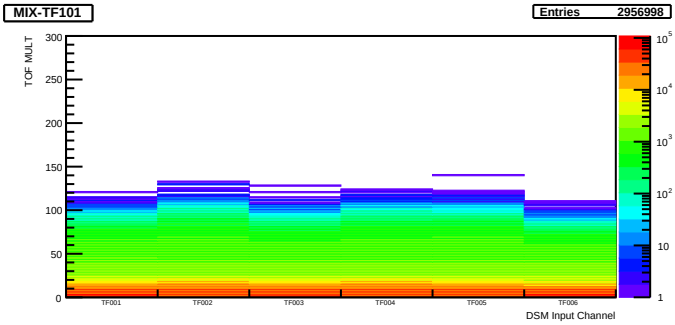

MIX-TF002
Entries 1.034949e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

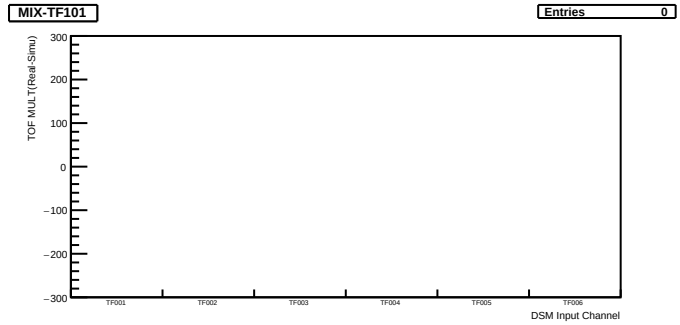

MIX-TF003
Entries 1.034949e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

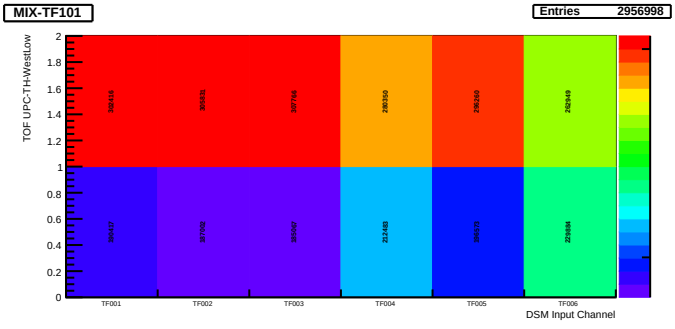

MIX-TF004
Entries 1.034949e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

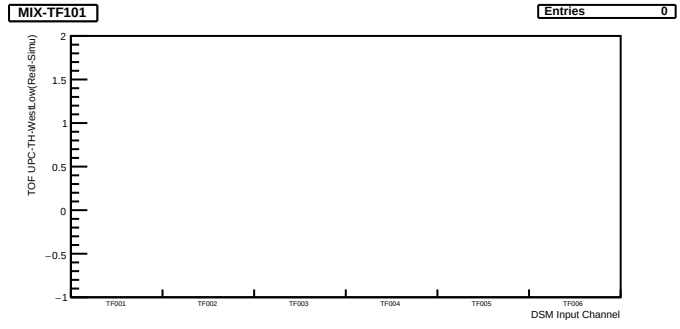

MIX-TF005
Entries 1.034949e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

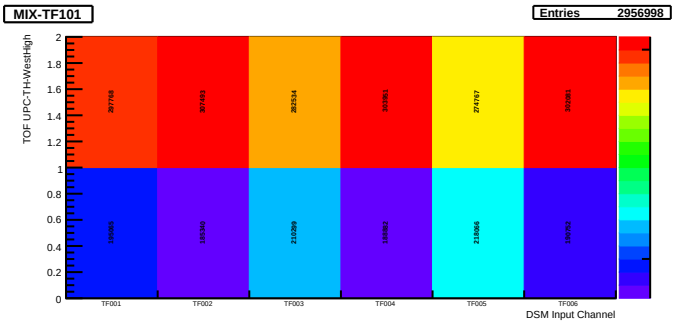

MIX-TF006
Entries 1.034949e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

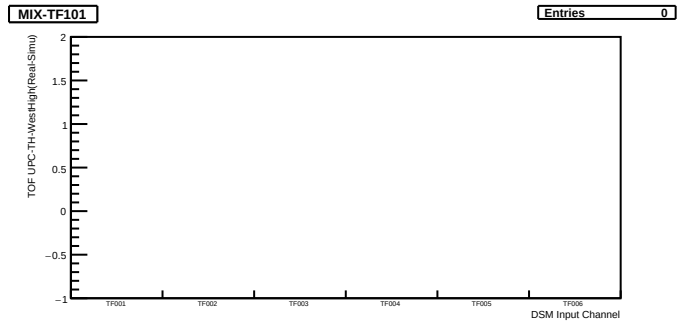

MIX-TF101
Entries 2956998
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

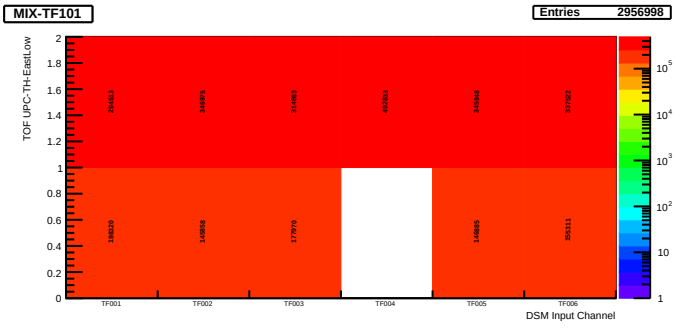

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

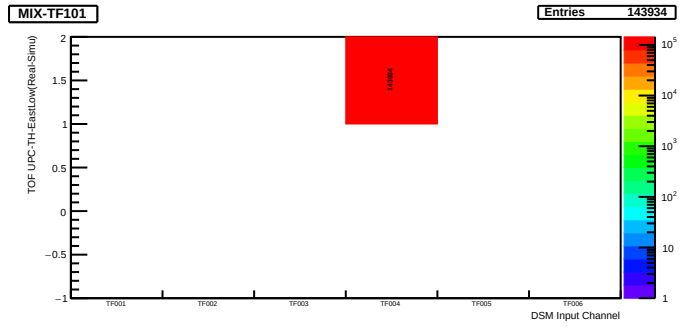

MIX-TF101
Entries 2956998
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

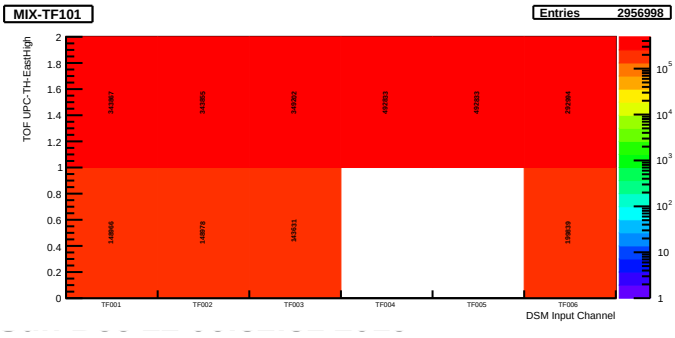

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

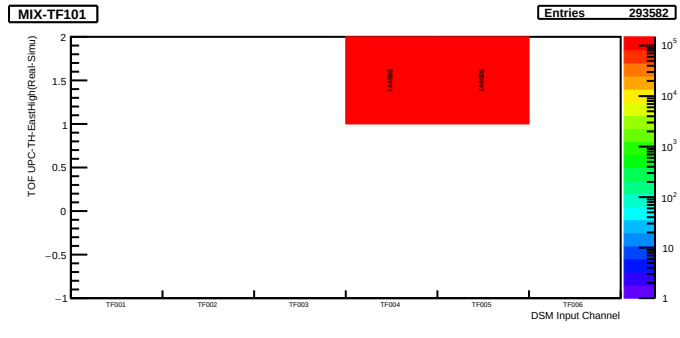

MIX-TF101
Entries 2956998
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

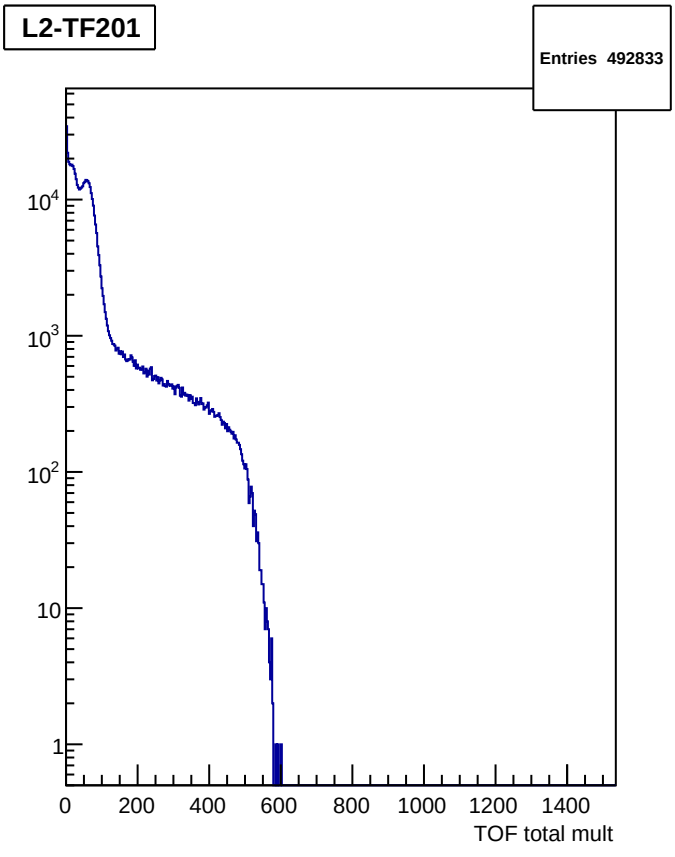

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

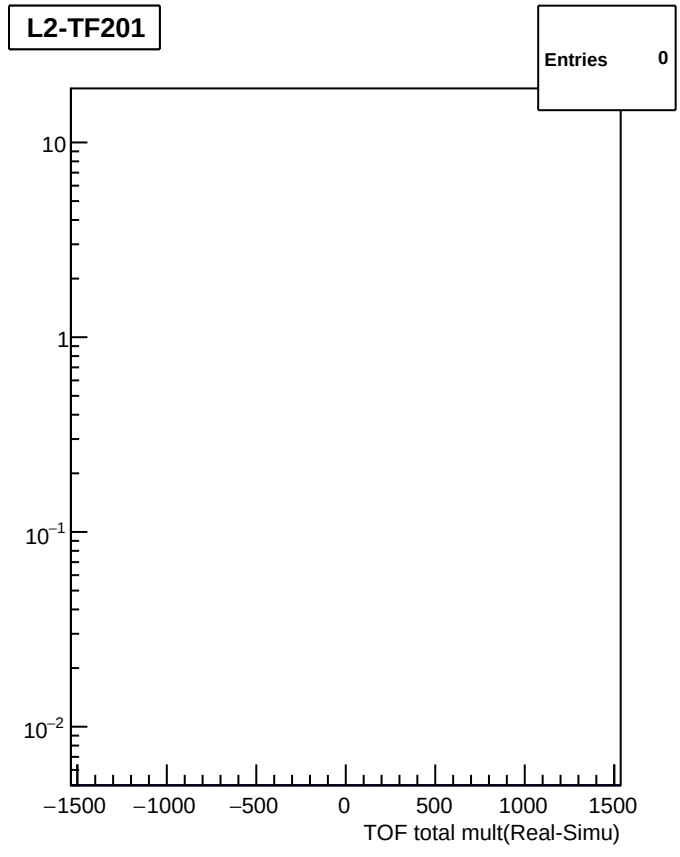

MIX-TF101
Entries 2956998
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

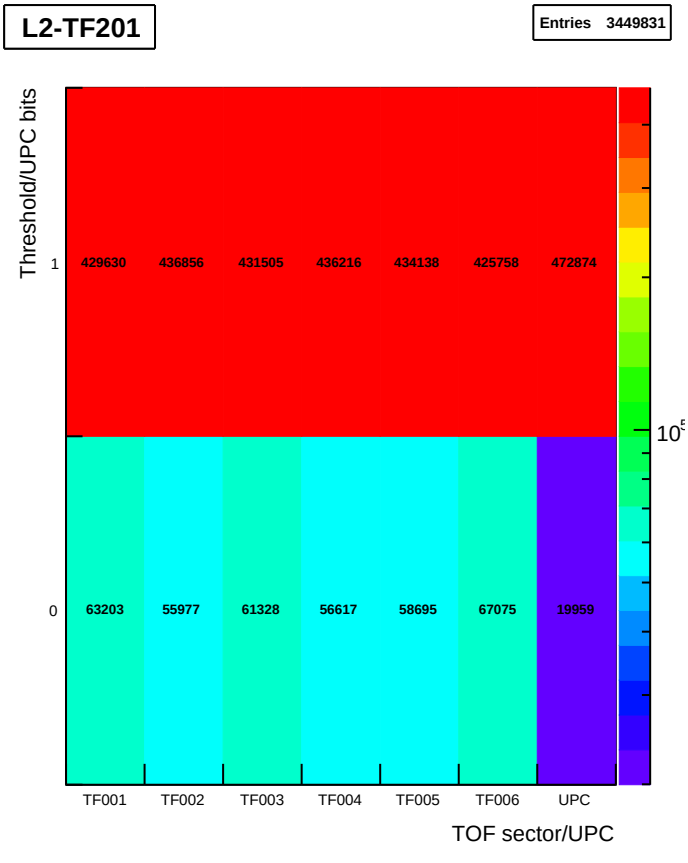

MIX-TF101
Entries 143934
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

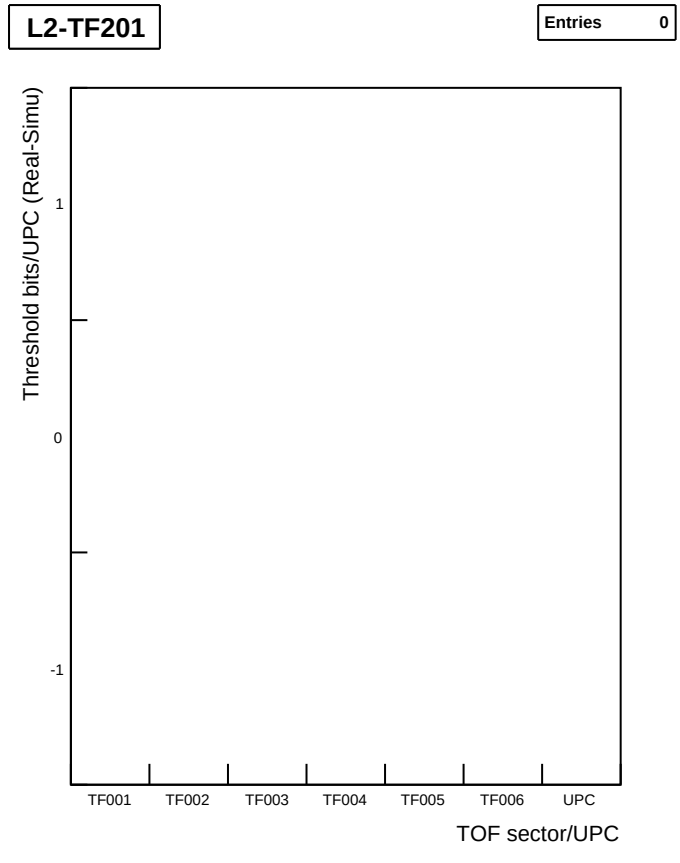

MIX-TF101
Entries 2956998
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

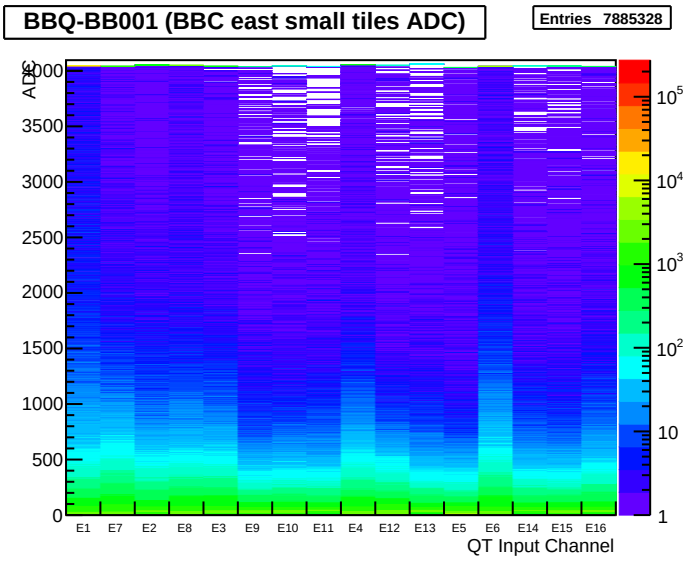

MIX-TF101
Entries 293582
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

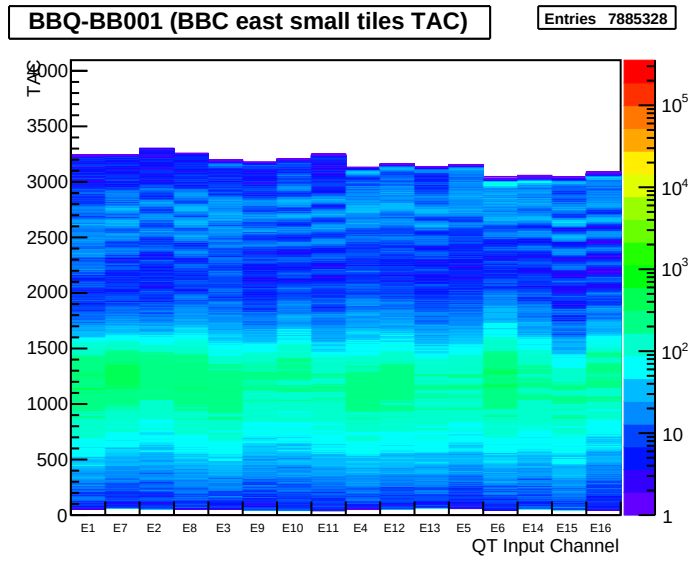

L2-TF201
Entries 492833
TOF total mult

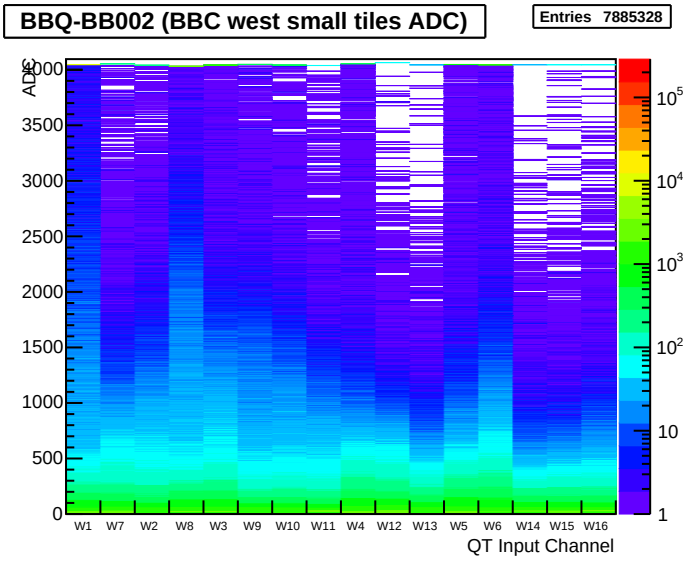

L2-TF201
Entries 0
TOF total mult(Real-Simu)

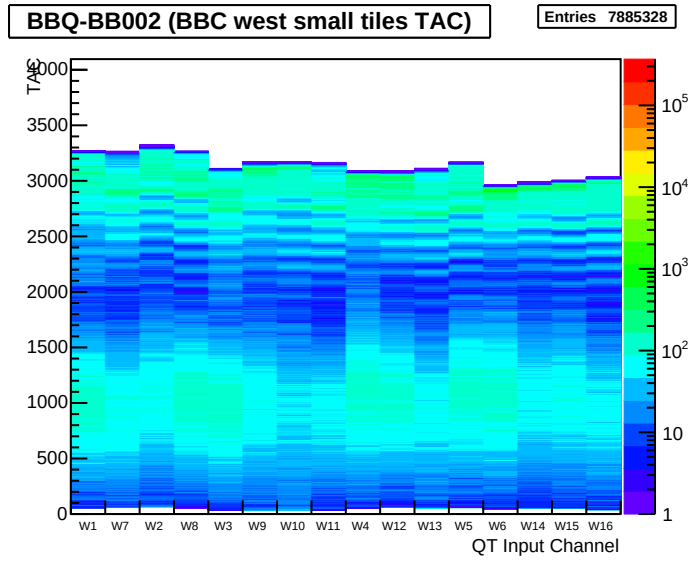

L2-TF201
Entries 3449831
Threshold/UPC bits
429630
436856
431505
436216
434138
425758
472874
63203
55977
61328
56617
58695
67075
19959
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

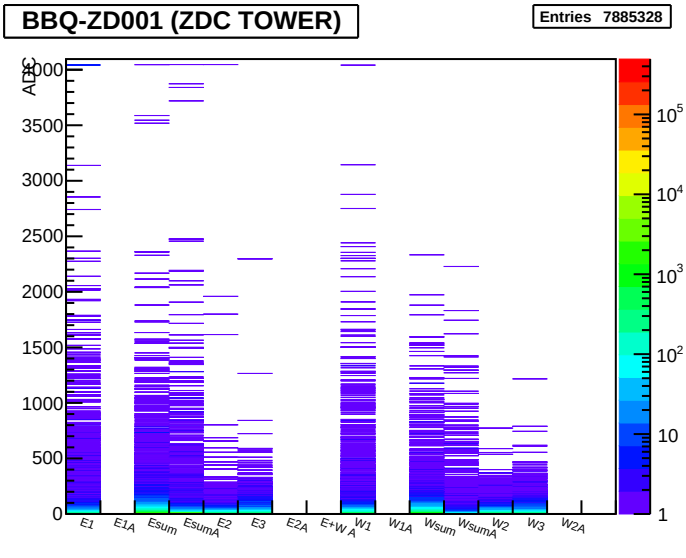

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

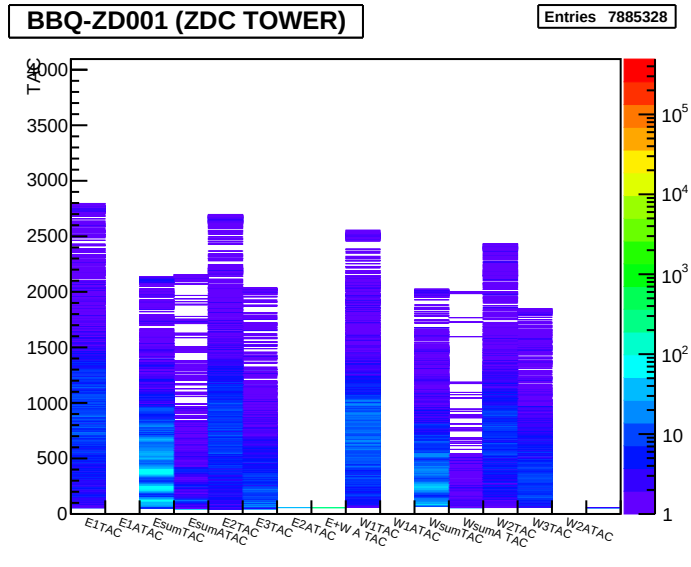

BBQ-BB001 (BBC east small tiles ADC)
Entries 7885328
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

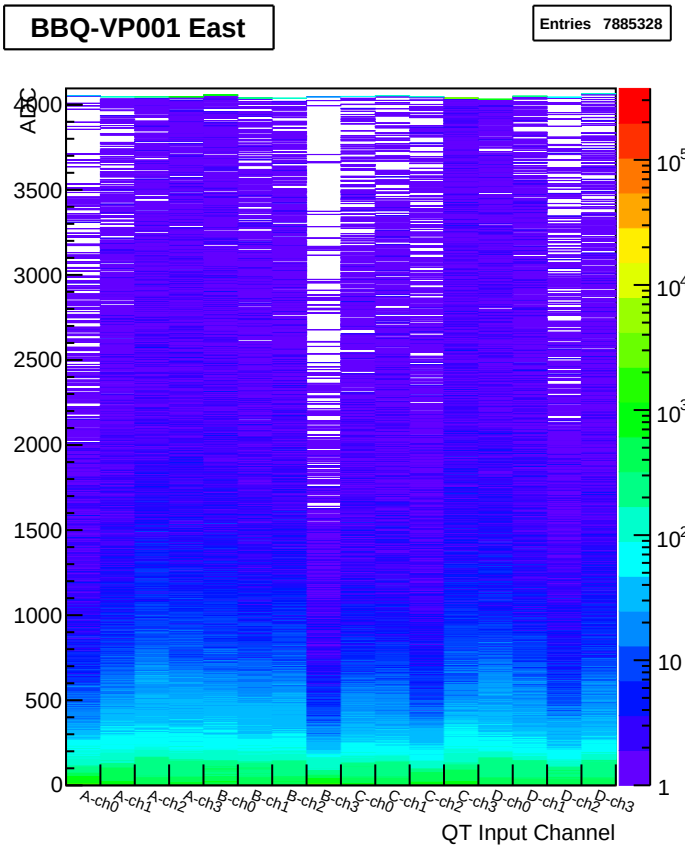

BBQ-BB001 (BBC east small tiles TAC)
Entries 7885328
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

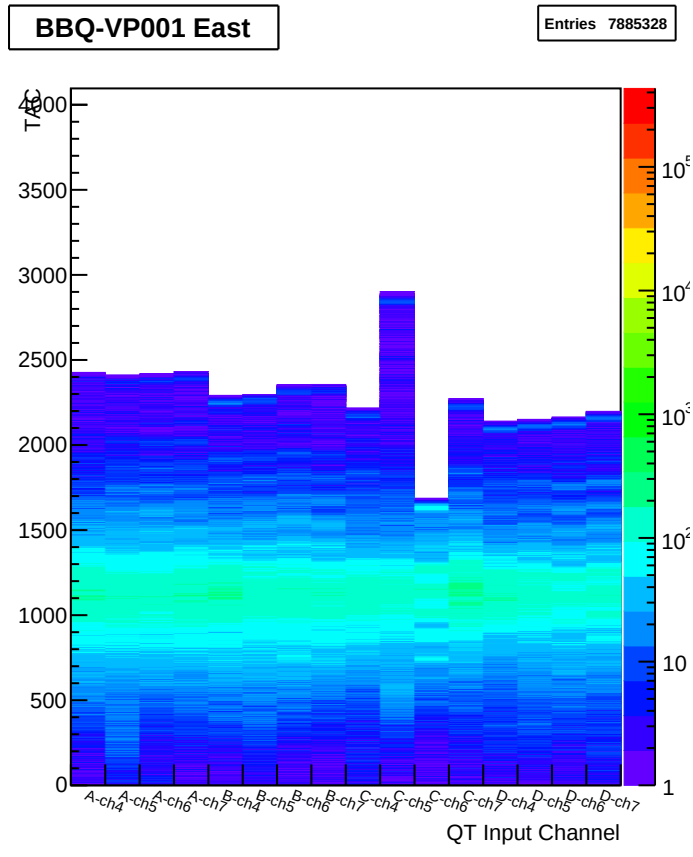

BBQ-BB002 (BBC west small tiles ADC)
Entries 7885328
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

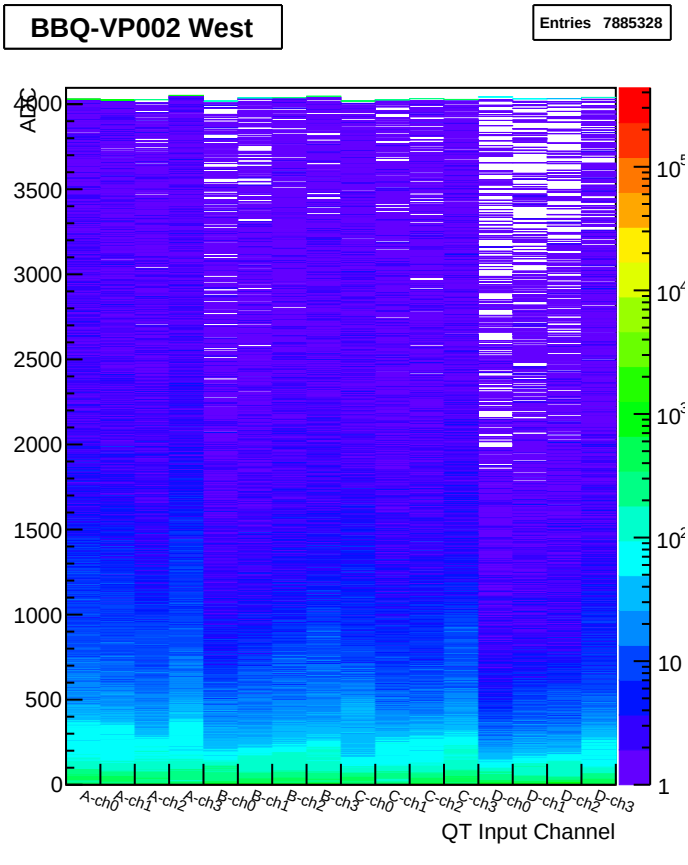

BBQ-BB002 (BBC west small tiles TAC)
Entries 7885328
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

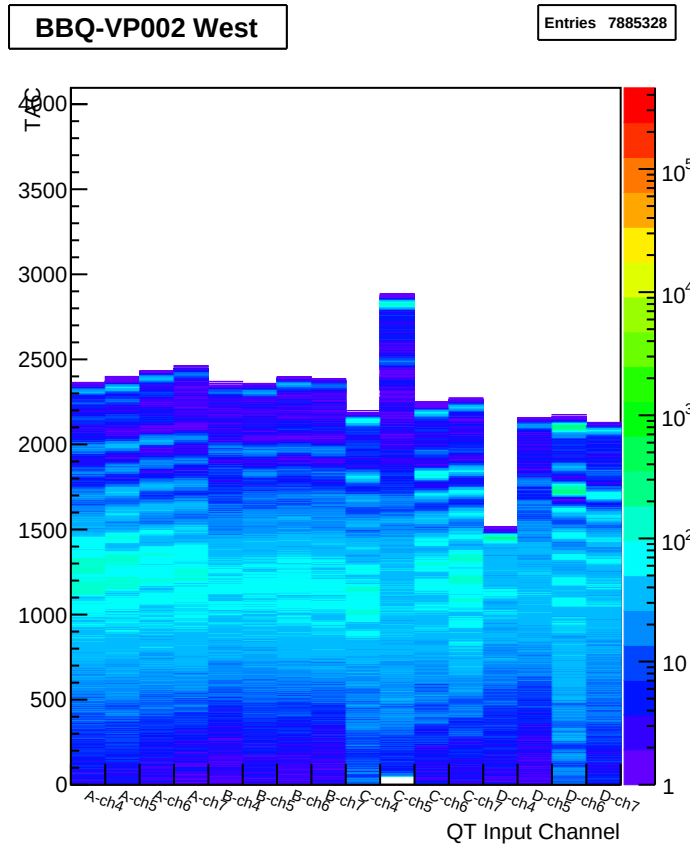

BBQ-ZD001 (ZDC TOWER)
Entries 7885328
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

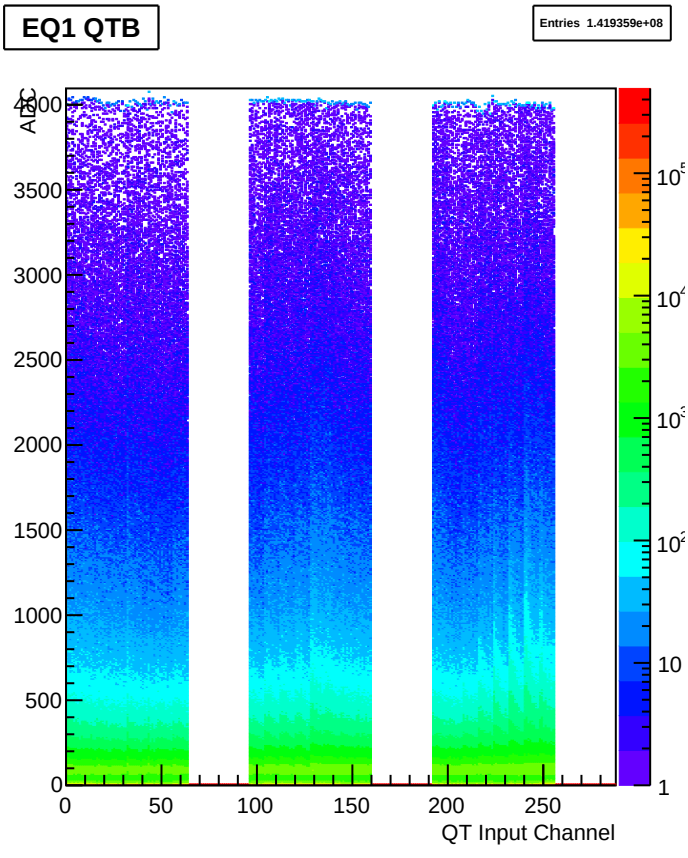

BBQ-ZD001 (ZDC TOWER)
Entries 7885328
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

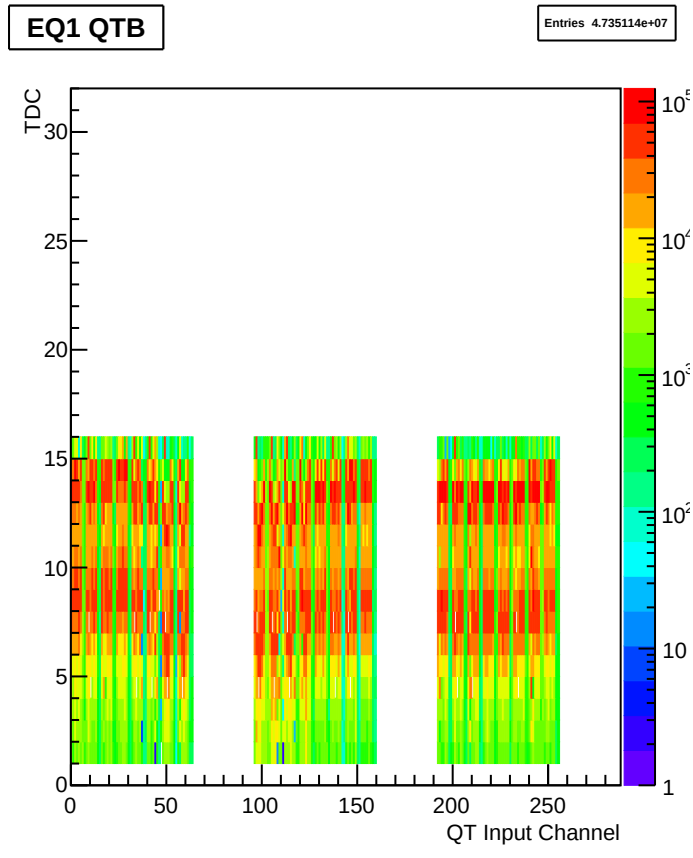

BBQ-VP001 East
Entries 7885328
ADC
QT Input Channel

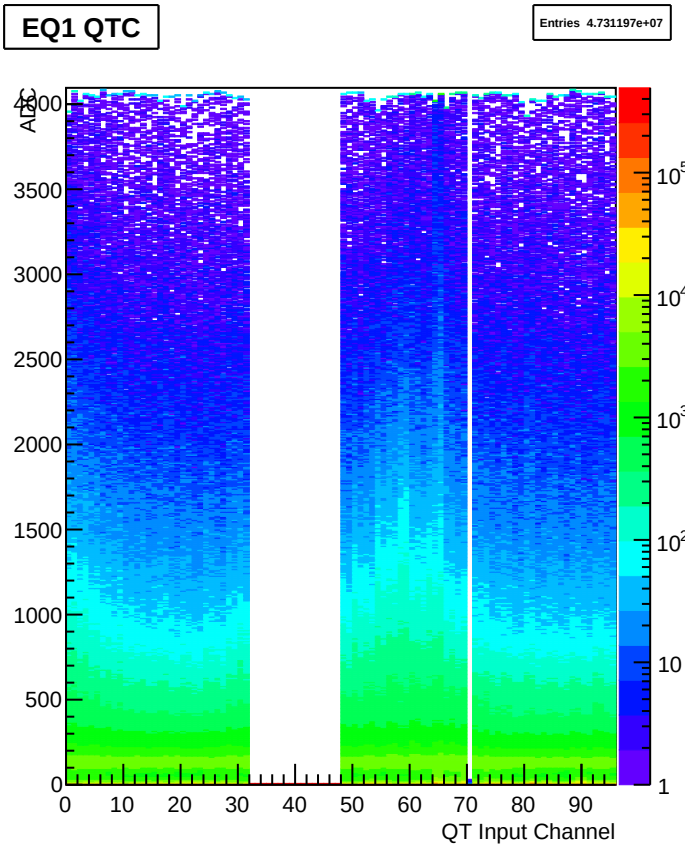

BBQ-VP001 East
Entries 7885328
ADC
QT Input Channel

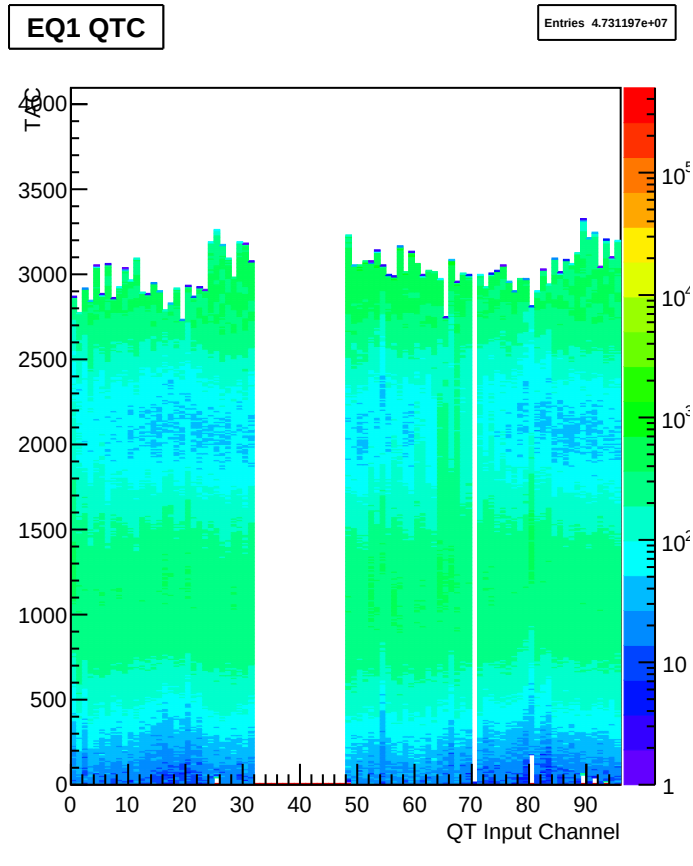

BBQ-VP002 West
Entries 7885328
ADC
QT Input Channel

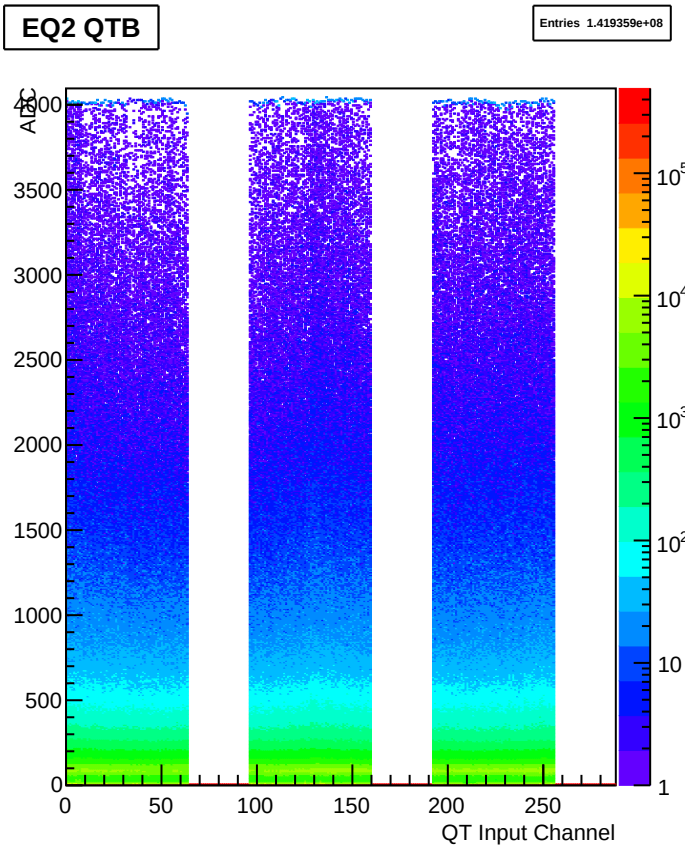

BBQ-VP002 West
Entries 7885328
ADC
QT Input Channel

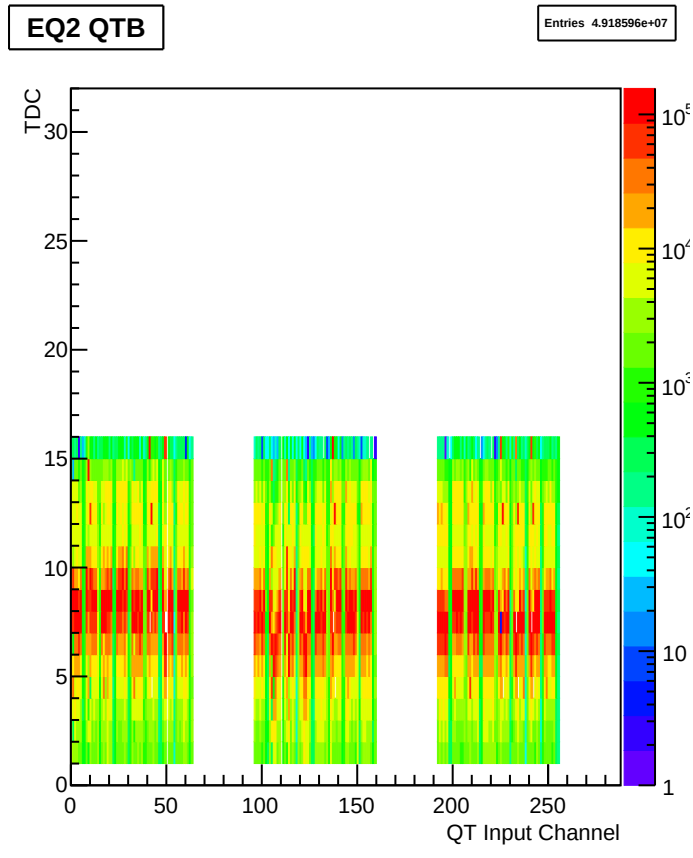

EQ1 QTB
Entries 1.419359e+08
ADC
QT Input Channel

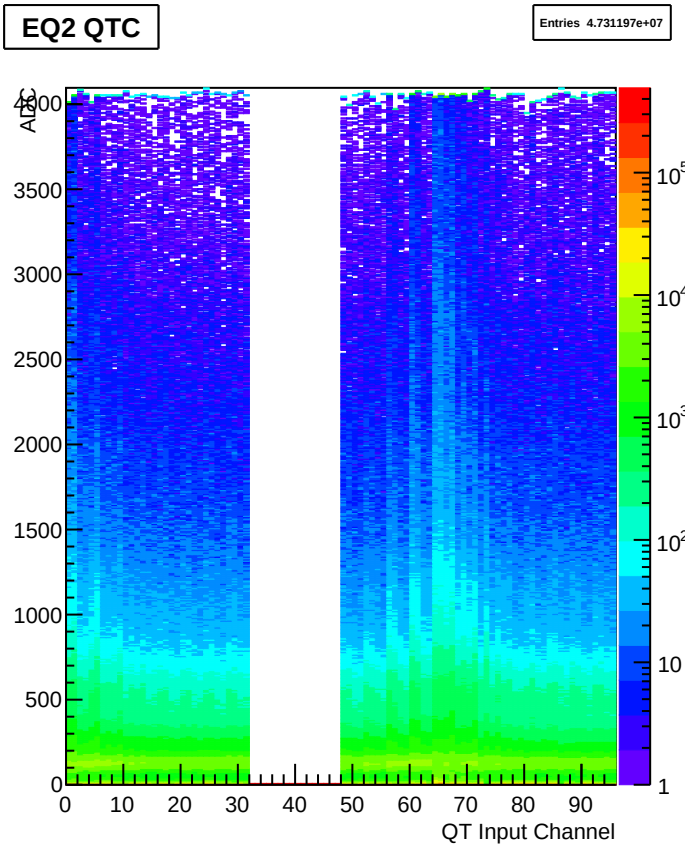

EQ1 QTB
Entries 4.735114e+07
TDC
QT Input Channel

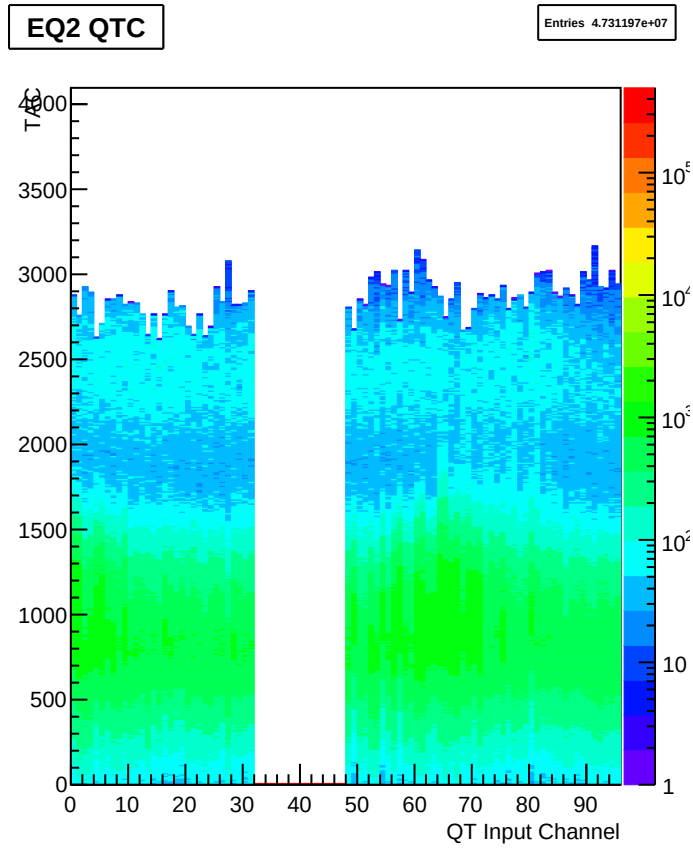

EQ1 QTC
Entries 4.731197e+07
ADC
QT Input Channel

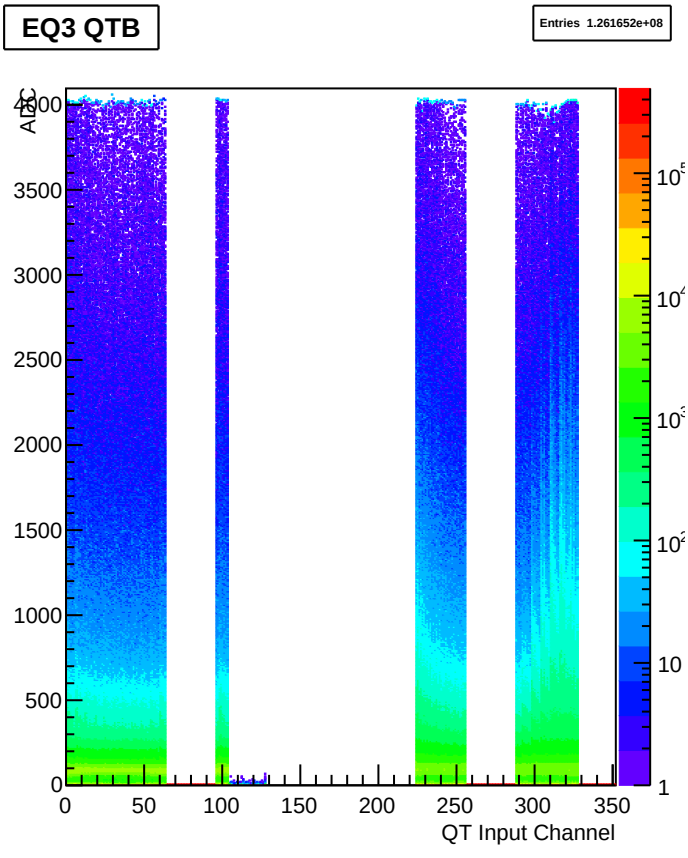

EQ1 QTC
Entries 4.731197e+07
TADC
QT Input Channel

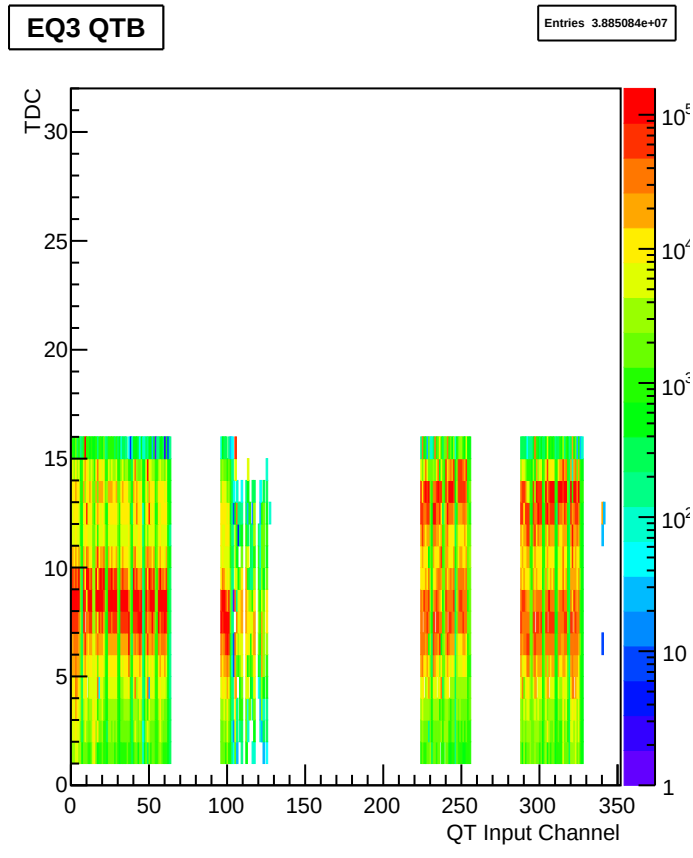

EQ2 QTB
Entries 1.419359e+08
ADC
QT Input Channel

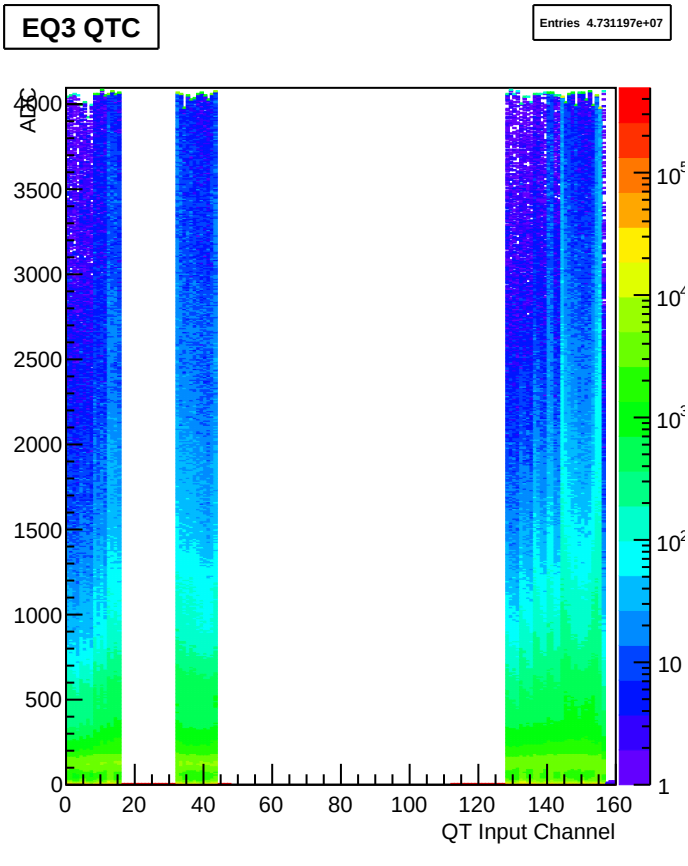

EQ2 QTB
Entries 4.918596e+07
TDC
QT Input Channel

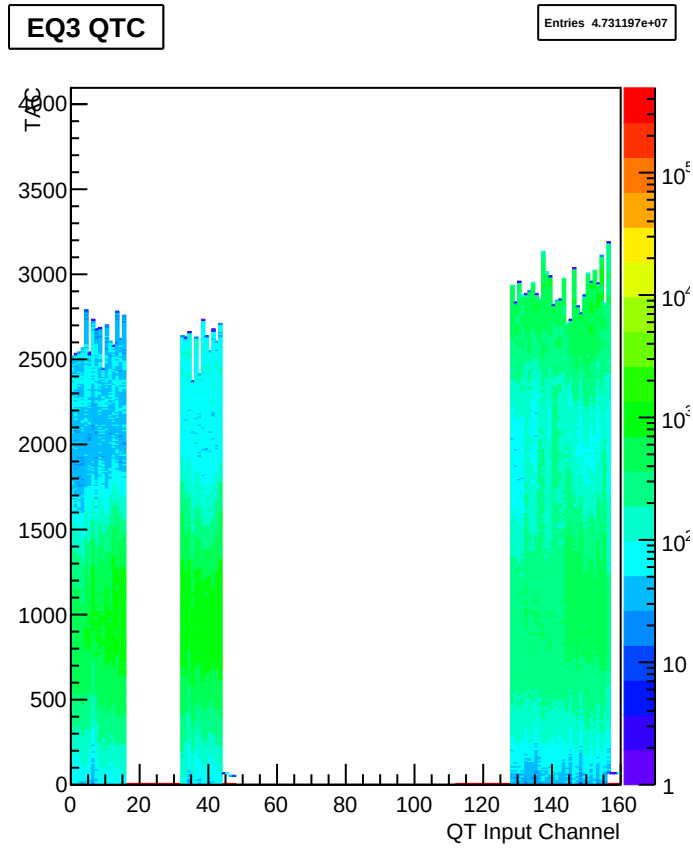

EQ2 QTC
Entries 4.731197e+07
ADC
QT Input Channel

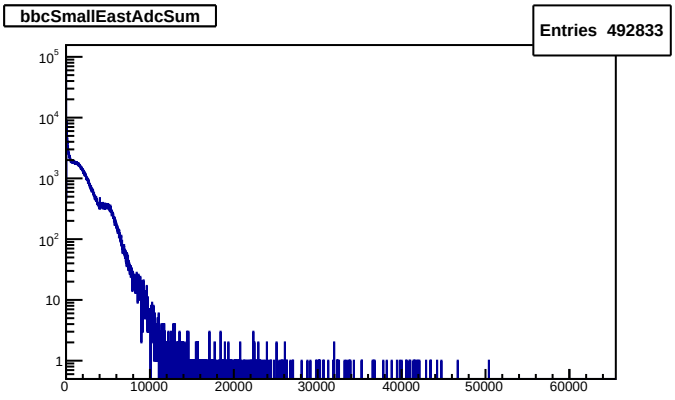

EQ2 QTC
Entries 4.731197e+07
TADC
QT Input Channel

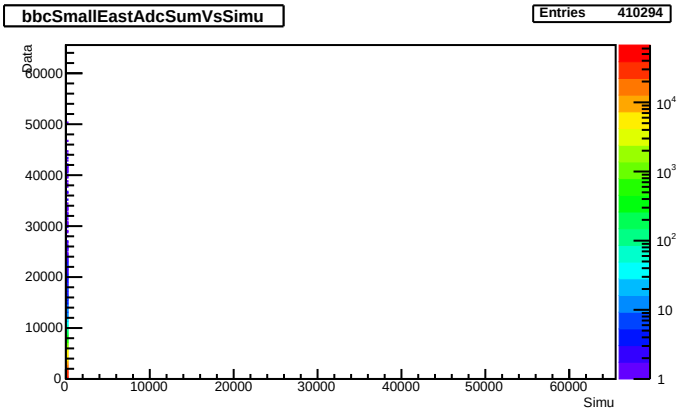

EQ3 QTB
Entries 1.261652e+08
ADC
QT Input Channel

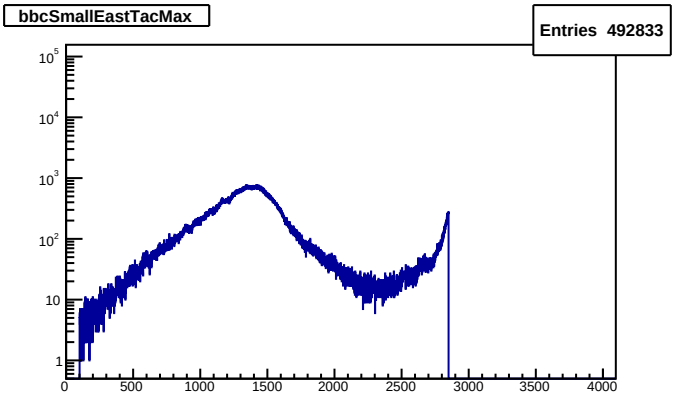

EQ3 QTB
Entries 3.885084e+07
TDC
QT Input Channel

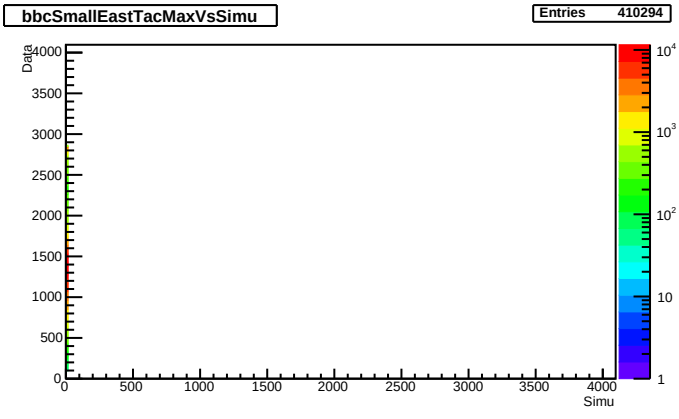

EQ3 QTC
Entries 4.731197e+07
ADC
QT Input Channel

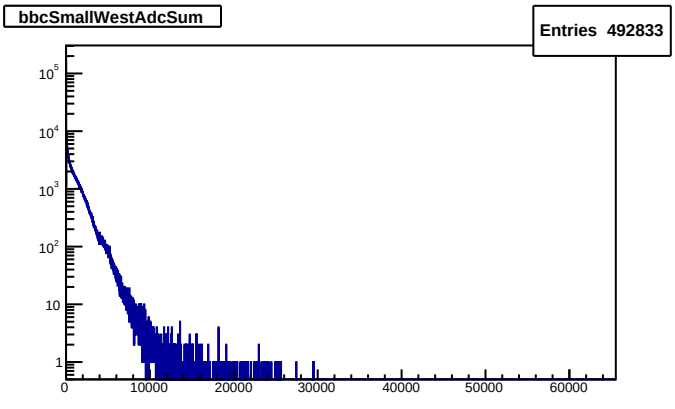

EQ3 QTC
Entries 4.731197e+07
TADC
QT Input Channel

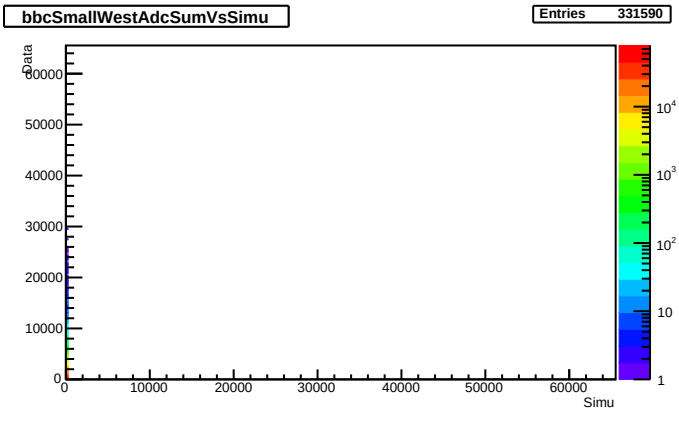

bbcSmallEastAdcSum
Entries 492833

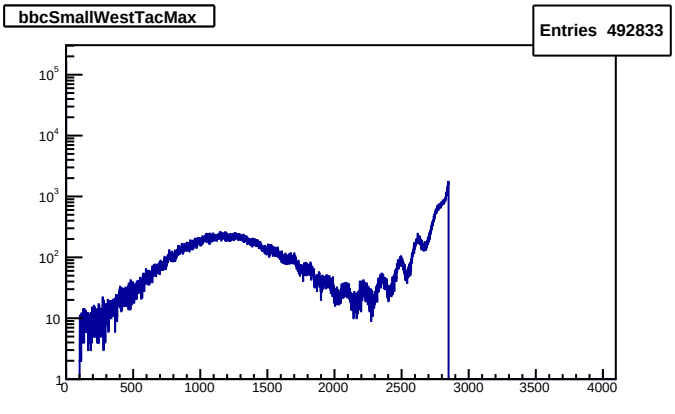

bbcSmallEastAdcSumVsSimu
Entries 410294
Data
Simu

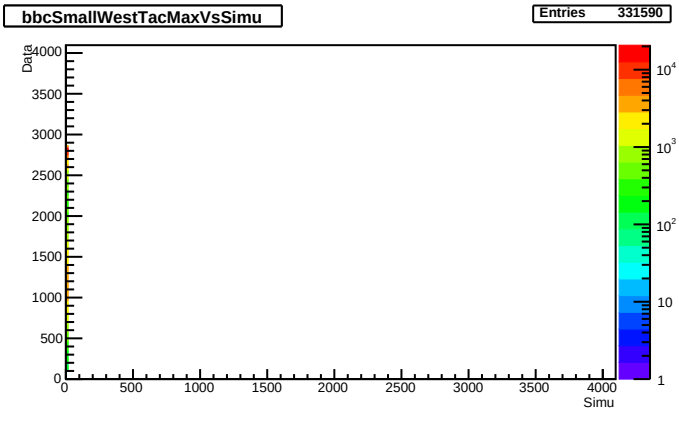

bbcSmallEastTacMax
Entries 492833

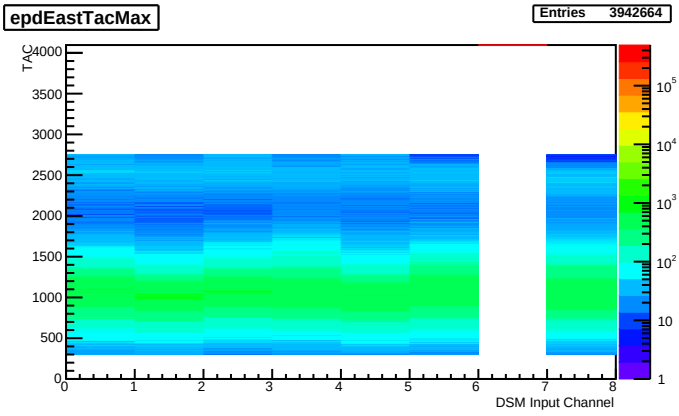

bbcSmallEastTacMaxVsSimu
Entries 410294
Data
Simu

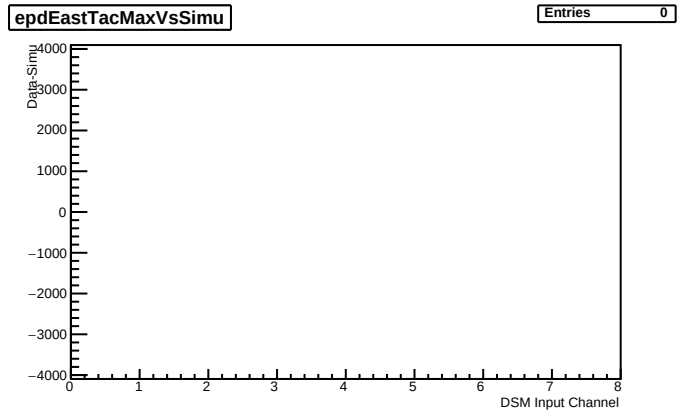

bbcSmallWestAdcSum
Entries 492833

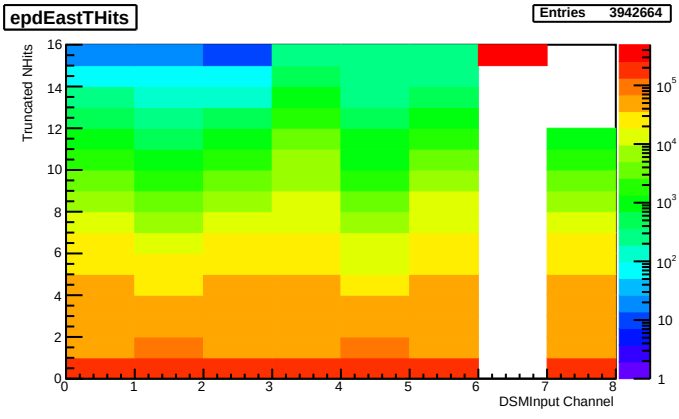

bbcSmallWestAdcSumVsSimu
Entries 331590
Data
Simu

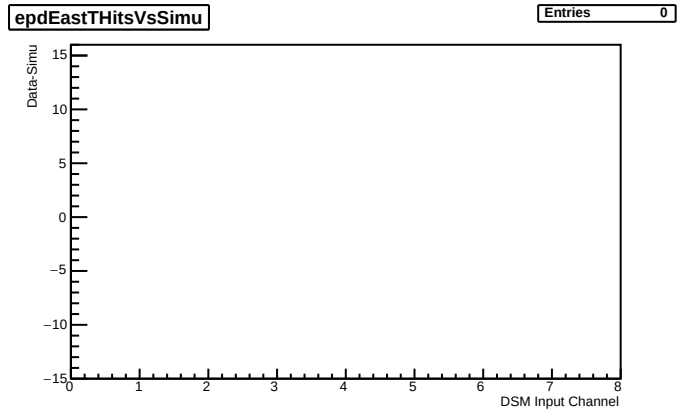

bbcSmallWestTacMax
Entries 492833

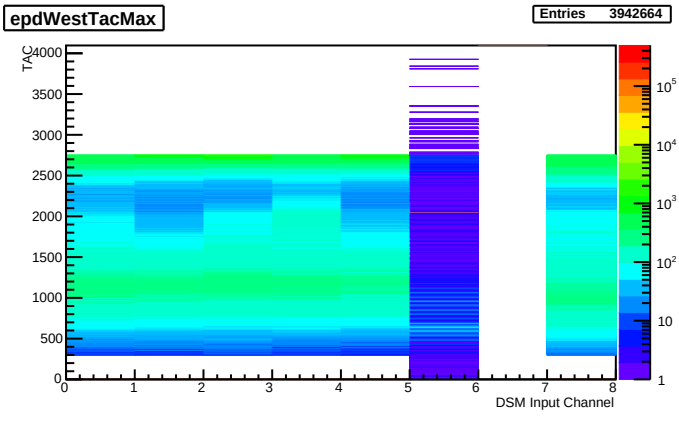

bbcSmallWestTacMaxVsSimu
Entries 331590
Data
Simu

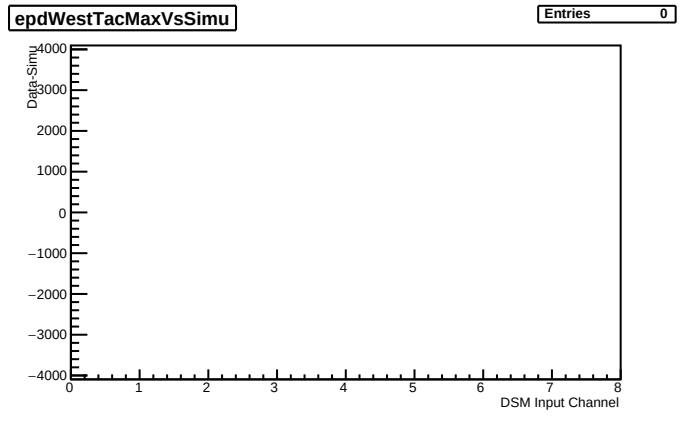

epdEastTacMax
Entries 3942664
TAC
DSM Input Channel

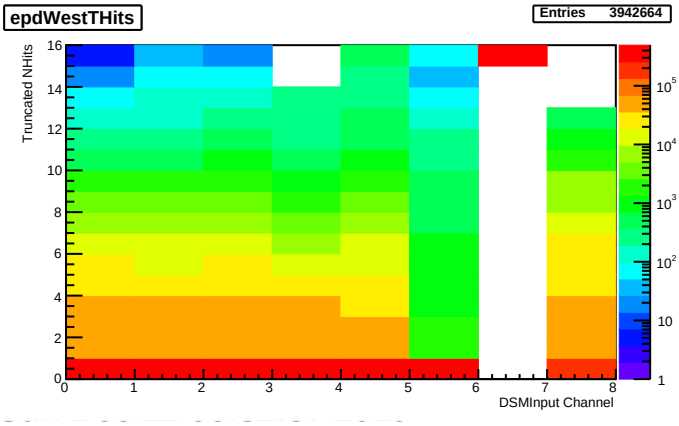

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

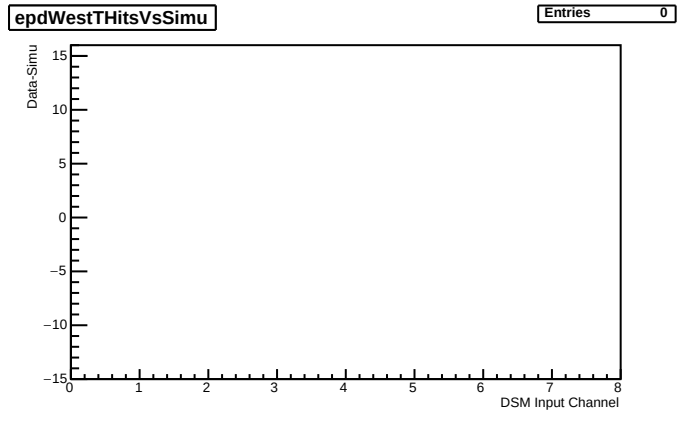

epdEastTHits
Entries 3942664
Truncated NHits
DSMInput Channel

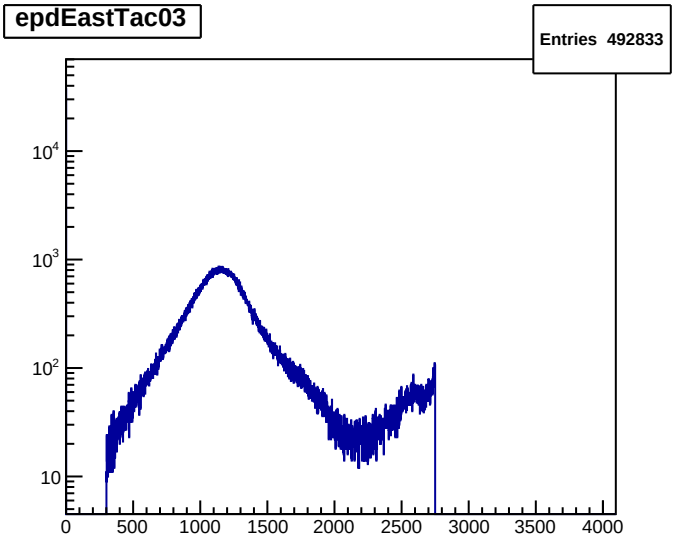

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

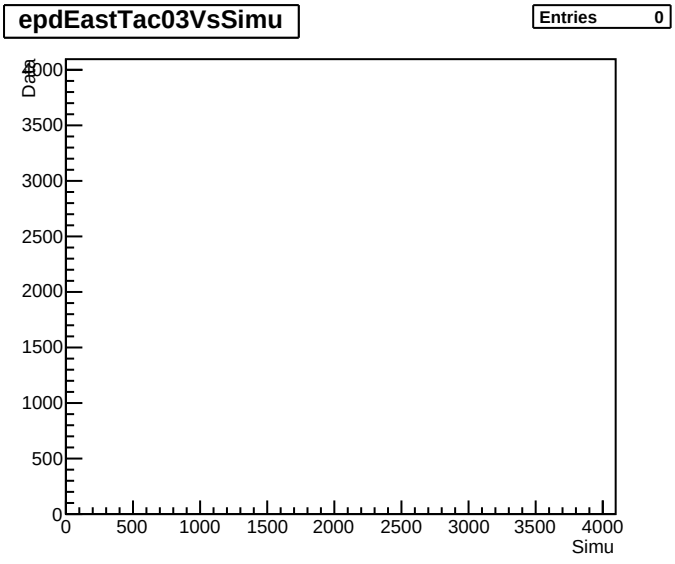

epdWestTacMax
Entries 3942664
TAC
DSM Input Channel

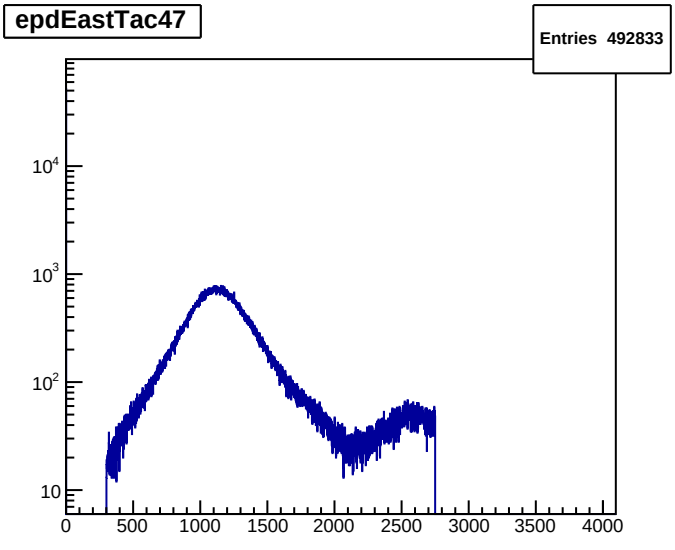

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

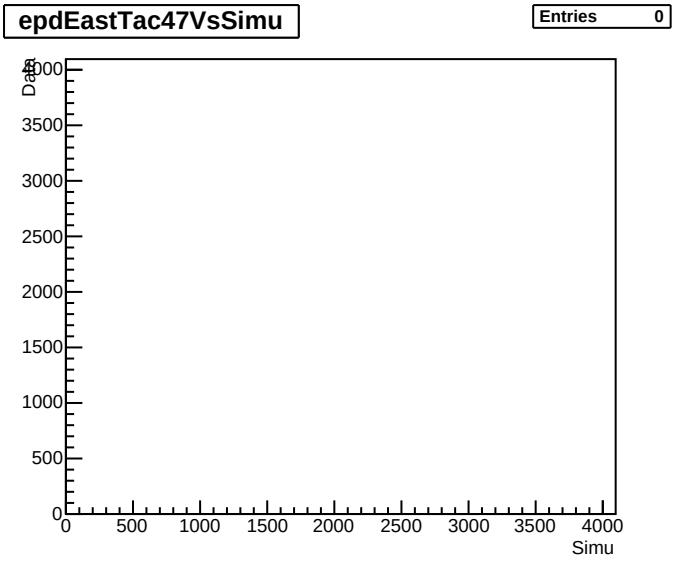

epdWestTHits
Entries 3942664
Truncated NHits
DSMInput Channel

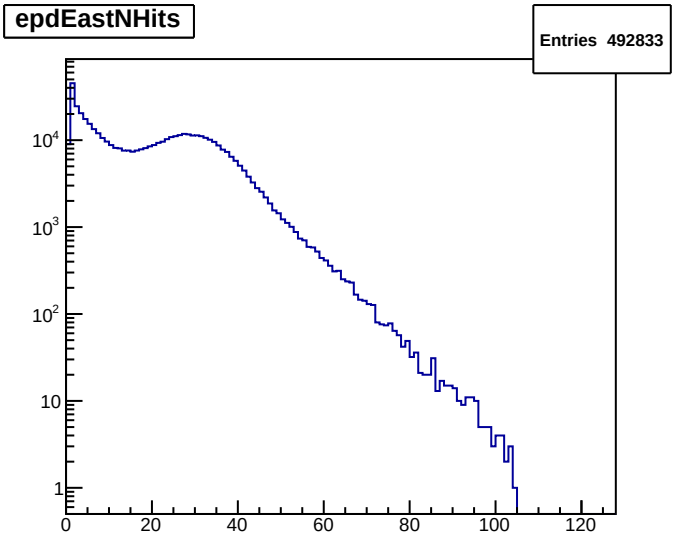

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

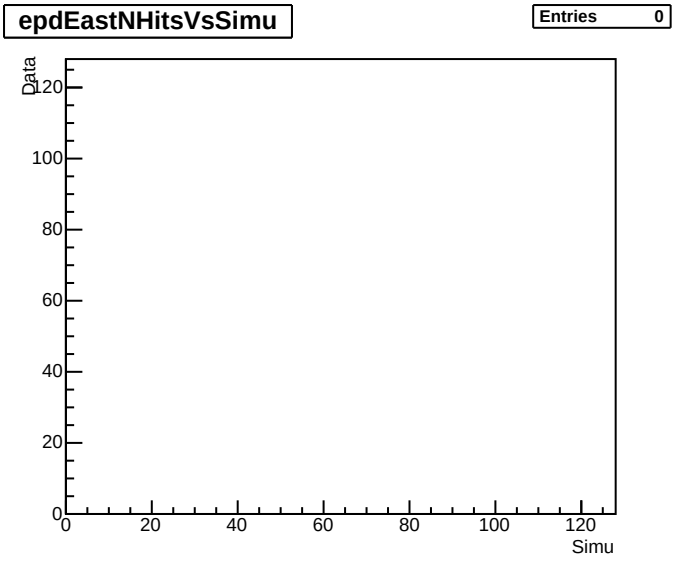

epdEastTac03
Entries 492833
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

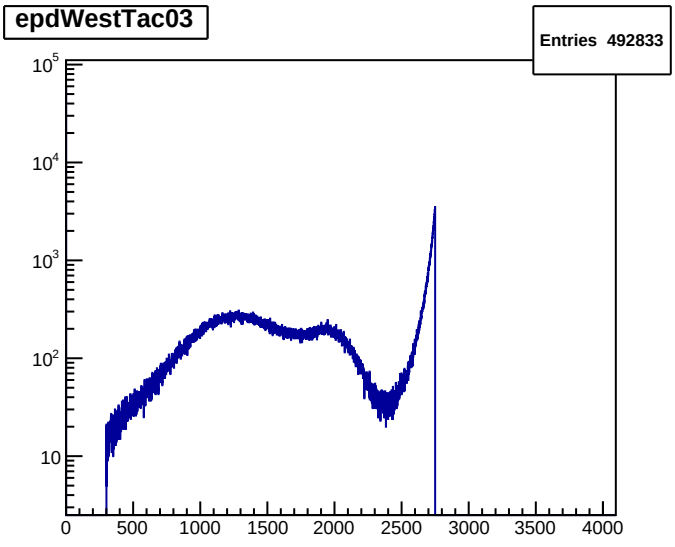

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

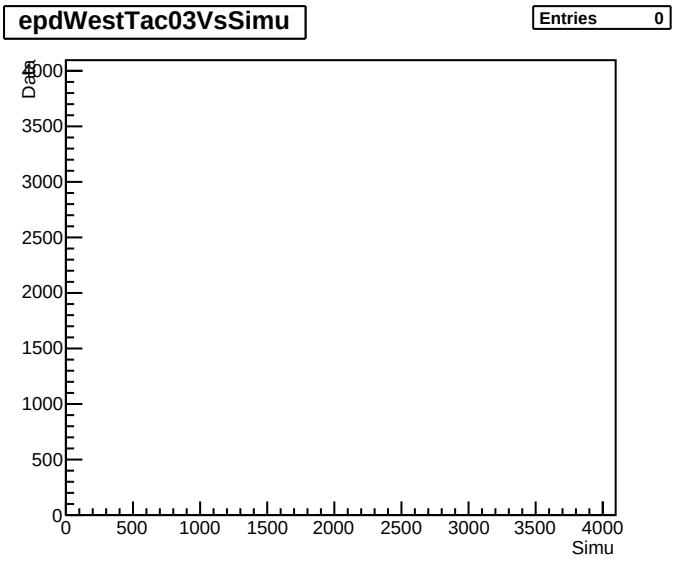

epdEastTac47
Entries 492833
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

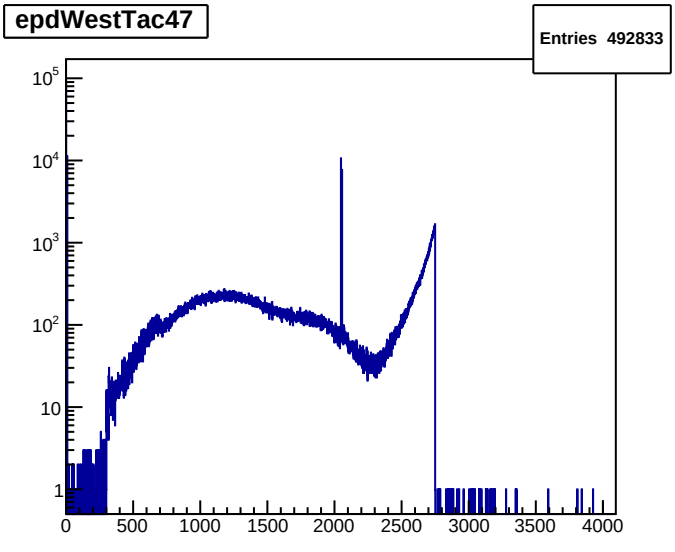

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

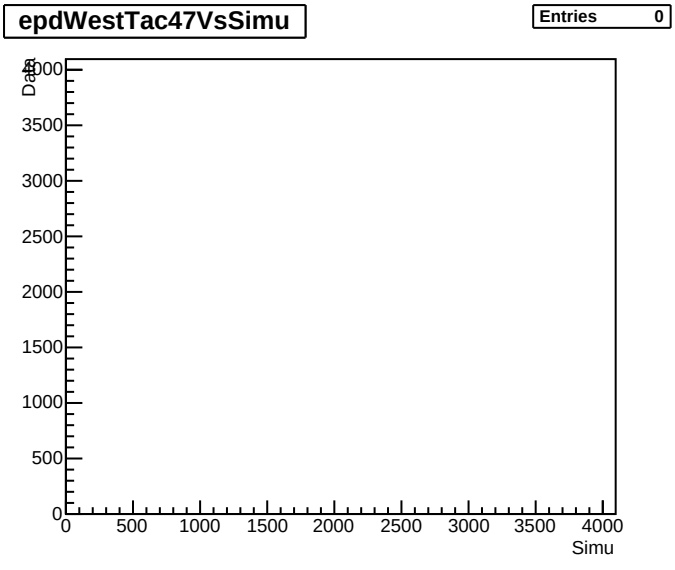

epdEastNHits
Entries 492833
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

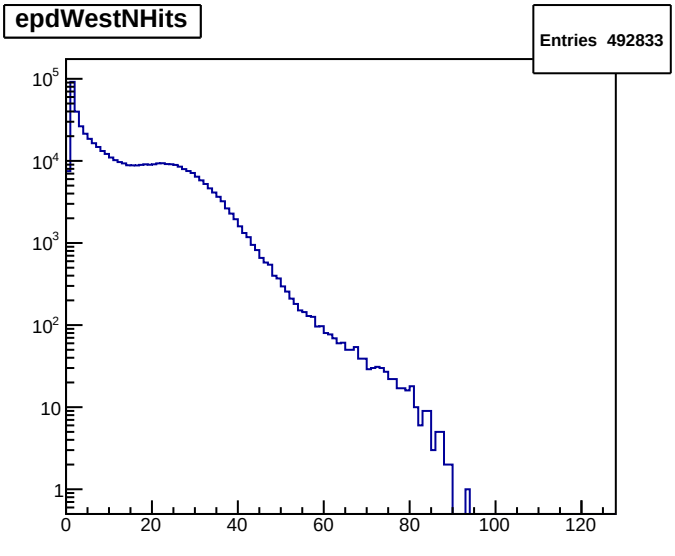

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

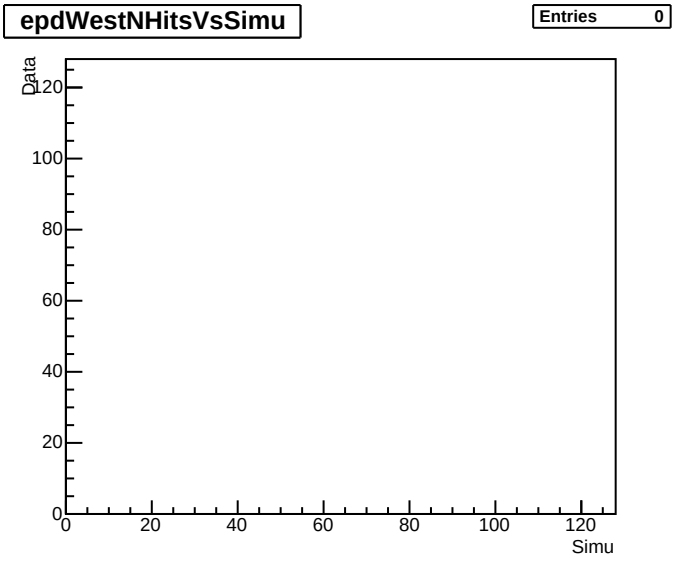

epdWestTac03
Entries 492833

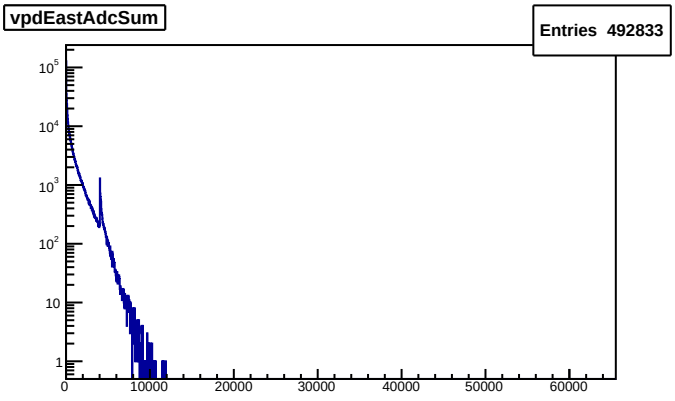

epdWestTac03VsSimu
Entries 0
Data
Simu

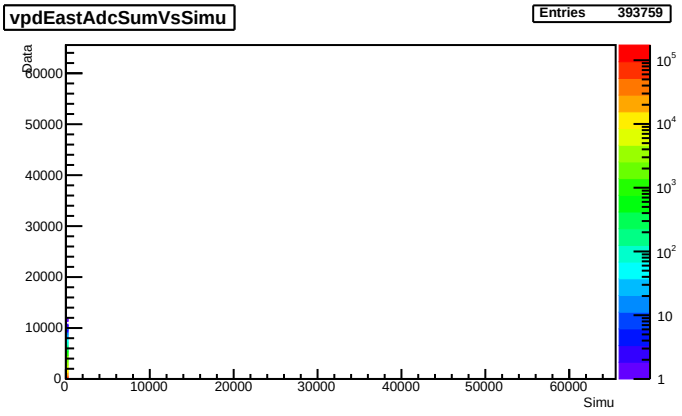

epdWestTac47
Entries 492833

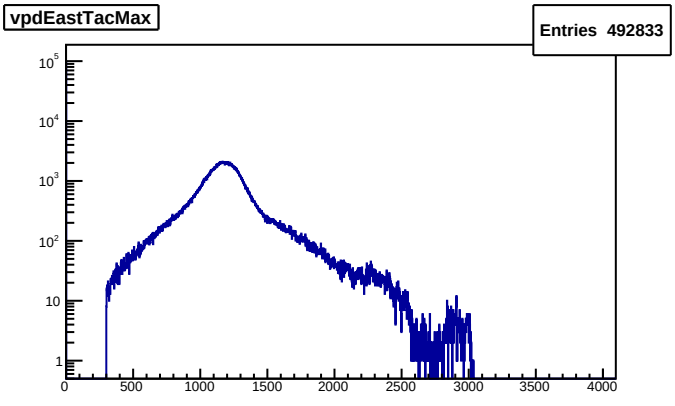

epdWestTac47VsSimu
Entries 0
Data
Simu

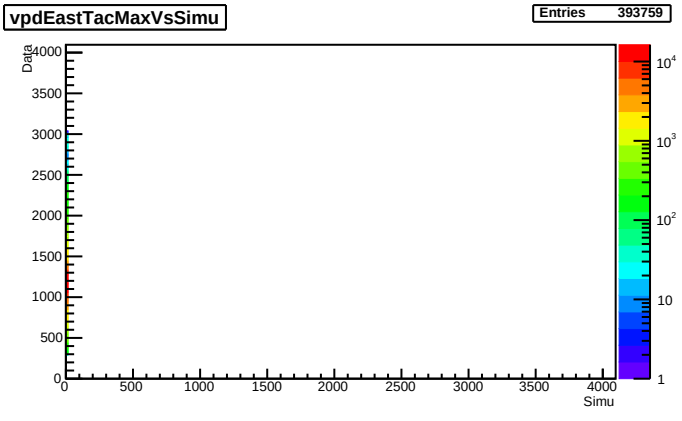

epdWestNHits
Entries 492833

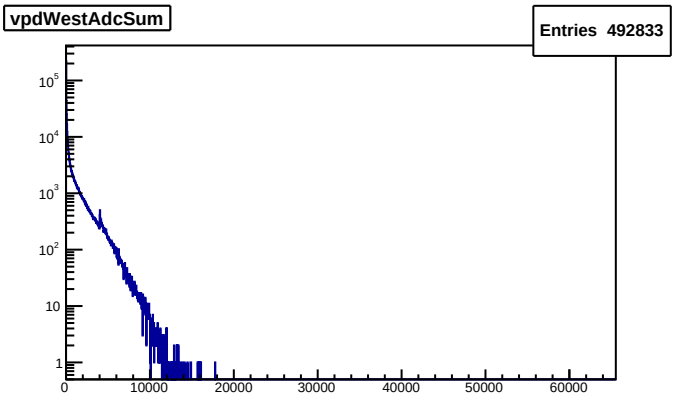

epdWestNHitsVsSimu
Entries 0
Data
Simu

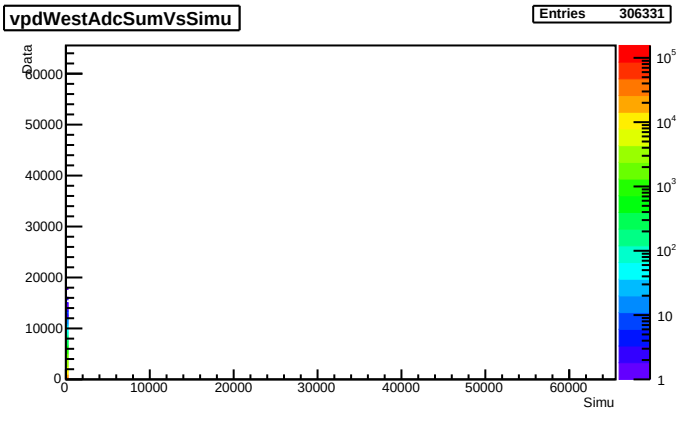

vpdEastAdcSum
Entries 492833

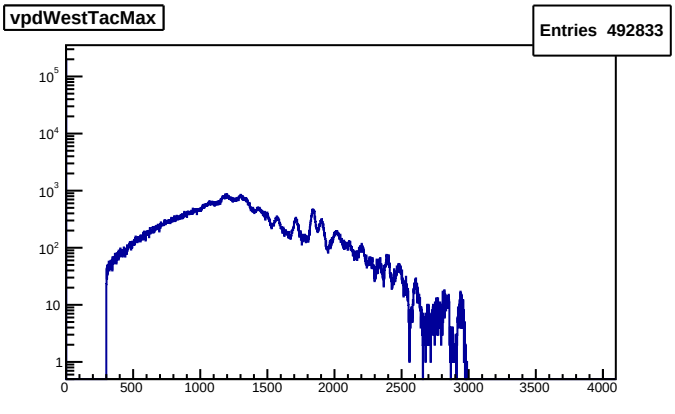

vpdEastAdcSumVsSimu
Entries 393759
Data
Simu

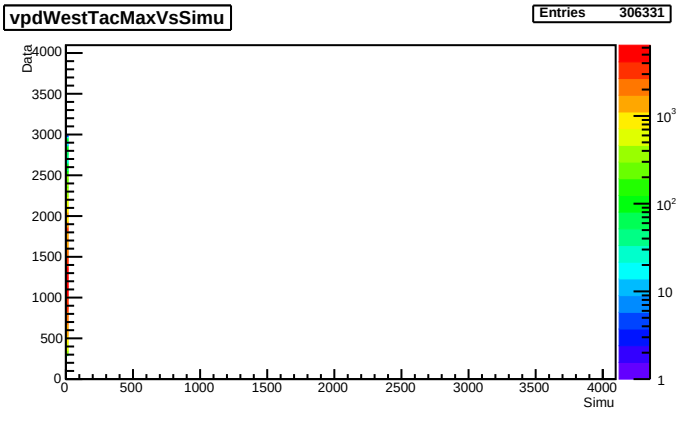

vpdEastTacMax
Entries 492833

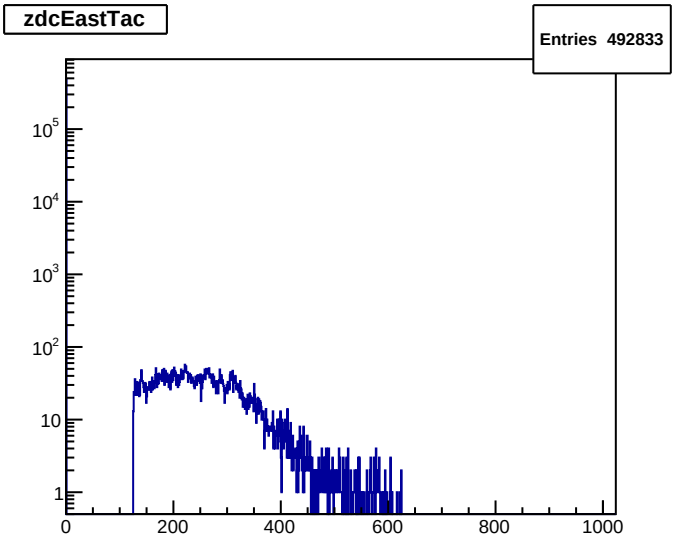

vpdEastTacMaxVsSimu
Entries 393759
Data
Simu

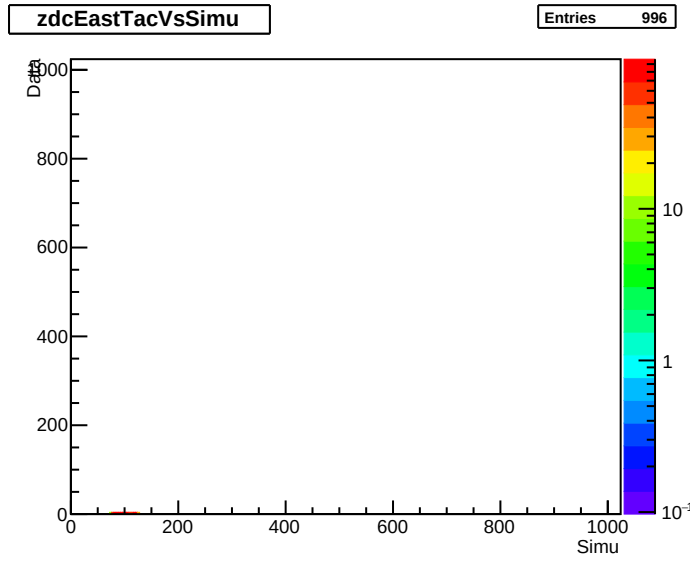

vpdWestAdcSum
Entries 492833

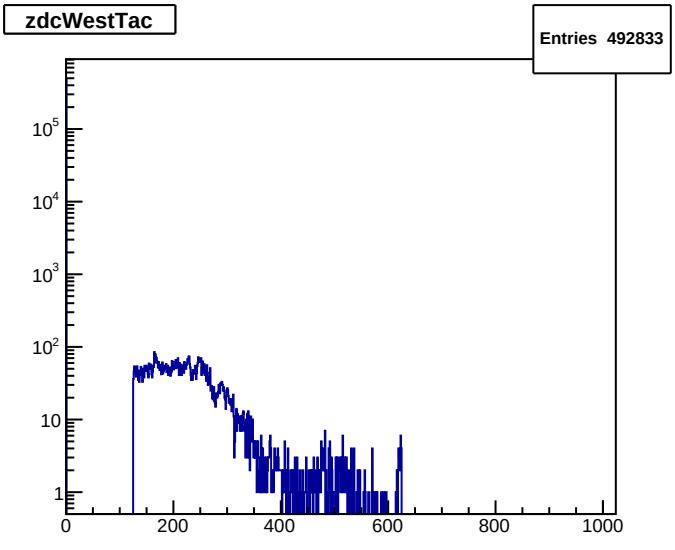

vpdWestAdcSumVsSimu
Entries 306331
Data
Simu

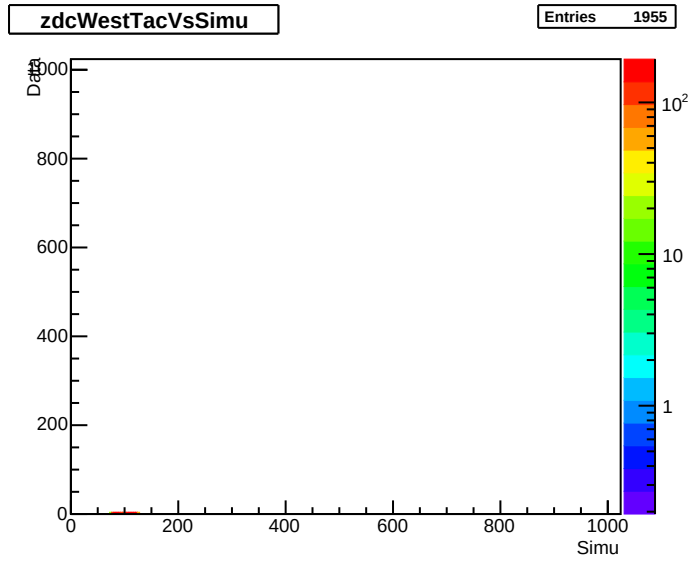

vpdWestTacMax
Entries 492833

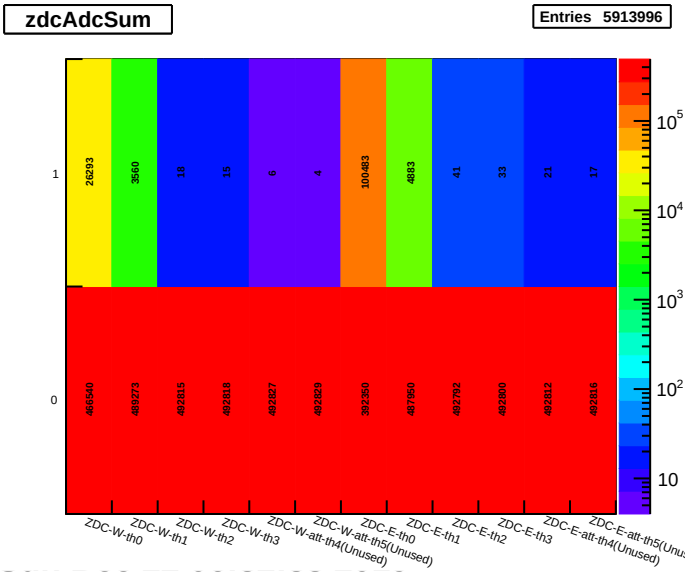

vpdWestTacMaxVsSimu
Entries 306331
Data
Simu

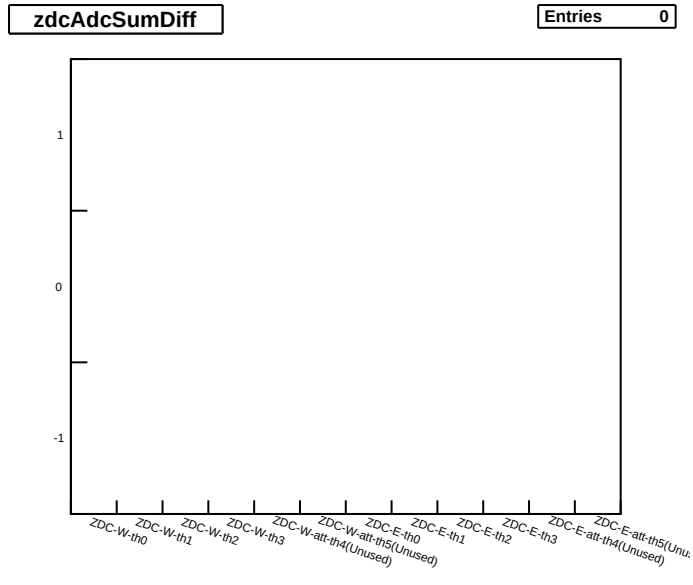

zdcEastTac
Entries 492833

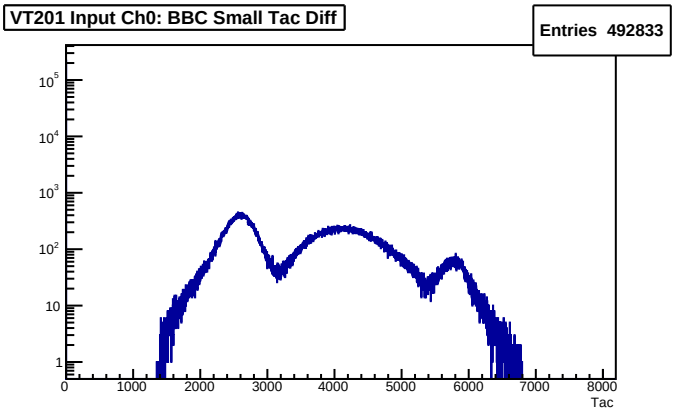

zdcEastTacVsSimu
Entries 996
Data
Simu

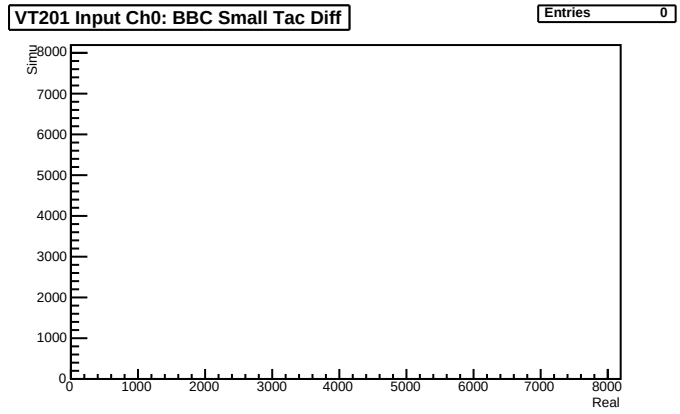

zdcWestTac
Entries 492833

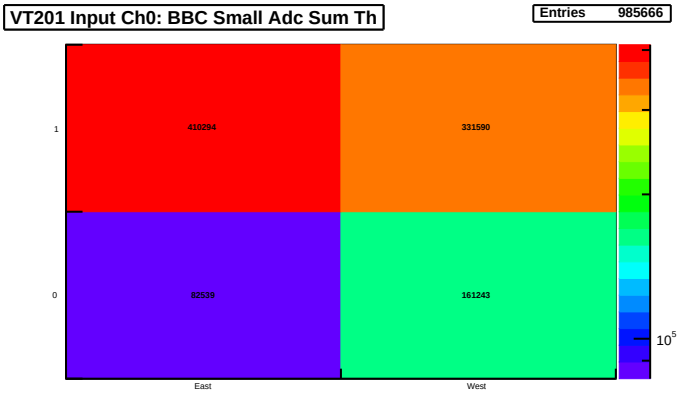

zdcWestTacVsSimu
Entries 1955
Data
Simu

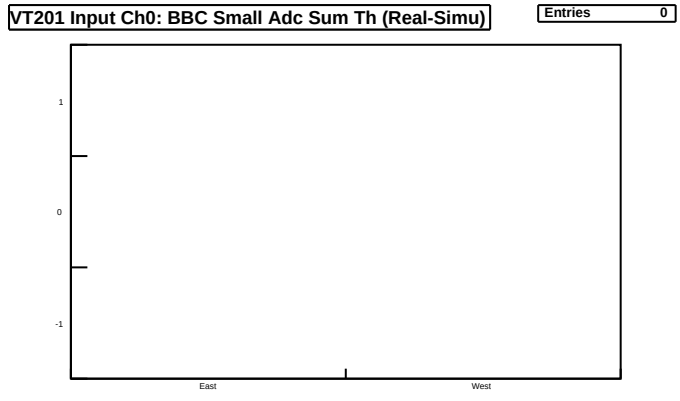

zdcAdcSum
Entries 5913996
26293
3560
18
15
6
4
100483
4883
41
33
21
17
466540
489273
492815
492818
492827
492829
392350
487950
492792
492800
492812
492816
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

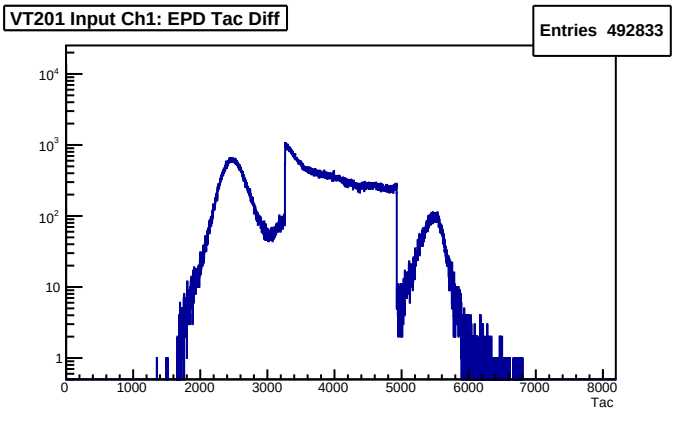

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

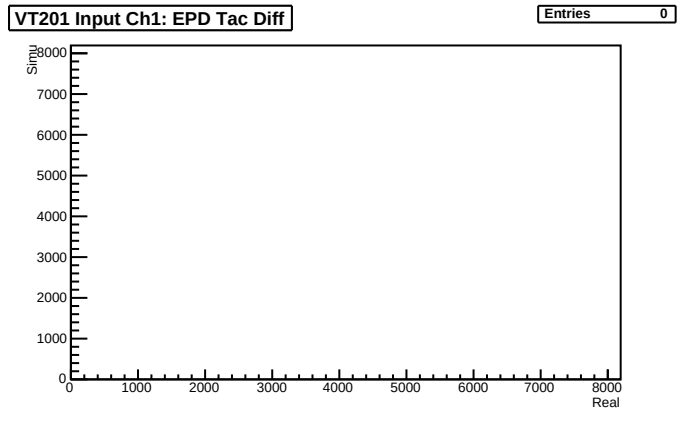

VT201 Input Ch0: BBC Small Tac Diff
Entries 492833
Tac

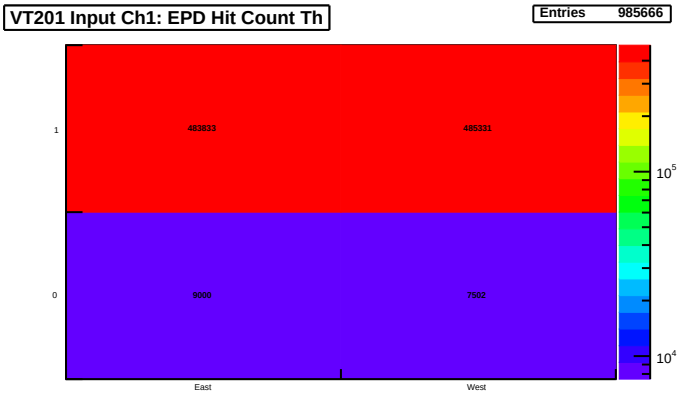

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

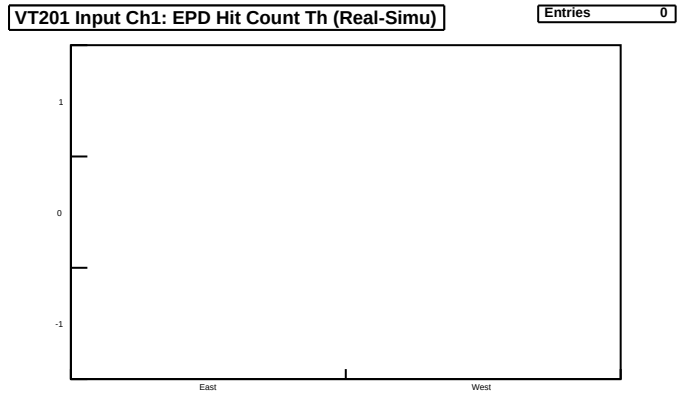

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 985666
410294
331590
82539
161243
East
West

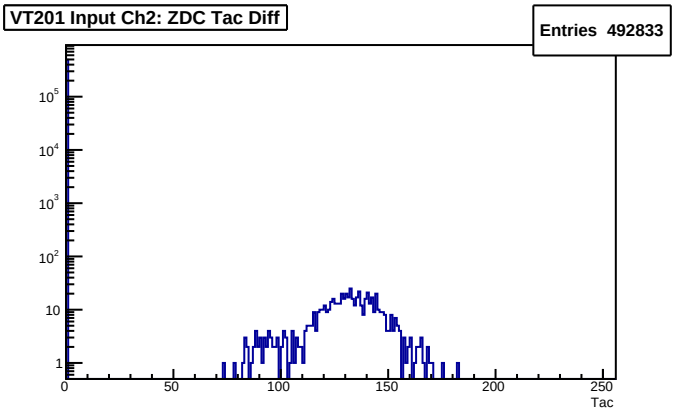

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

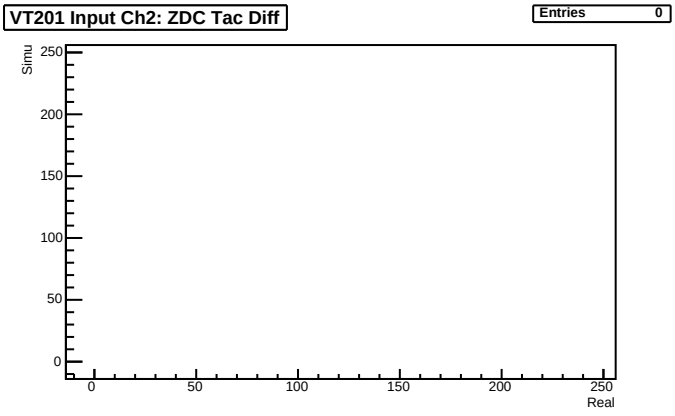

VT201 Input Ch1: EPD Tac Diff
Entries 492833
Tac

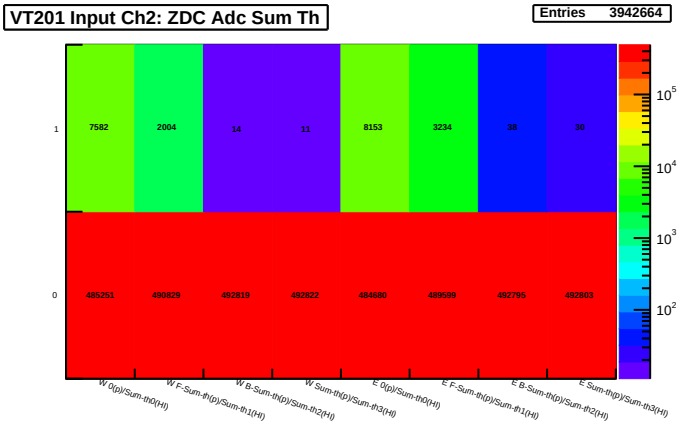

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

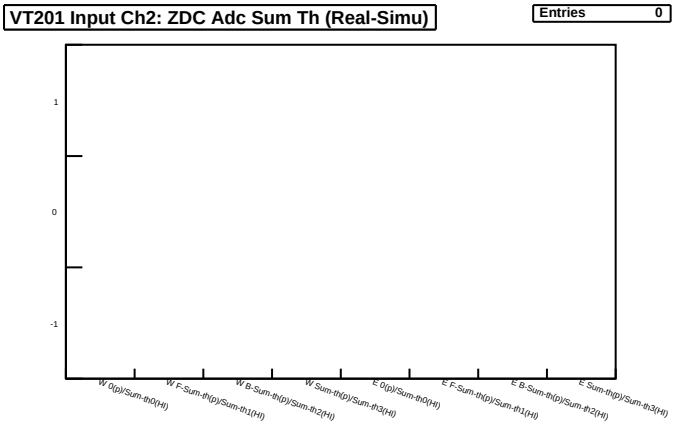

VT201 Input Ch1: EPD Hit Count Th
Entries 985666
483833
485331
9000
7502
East
West

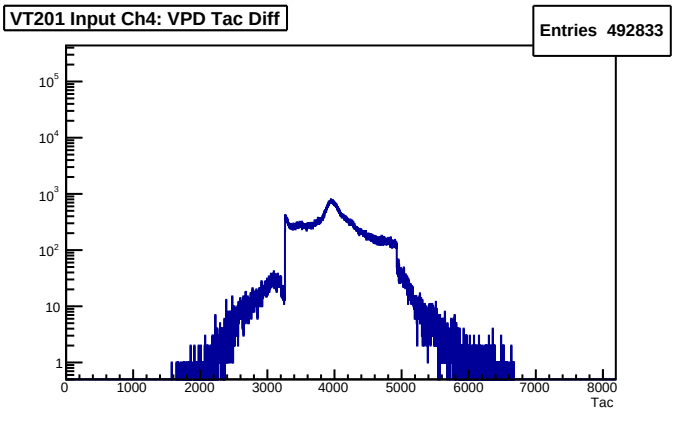

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

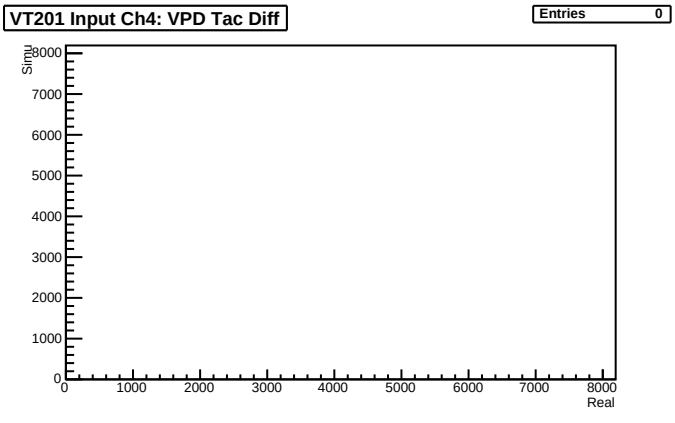

VT201 Input Ch2: ZDC Tac Diff
Entries 492833
Tac

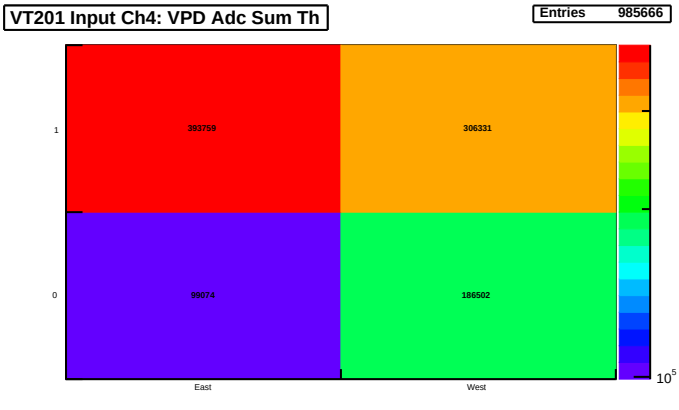

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

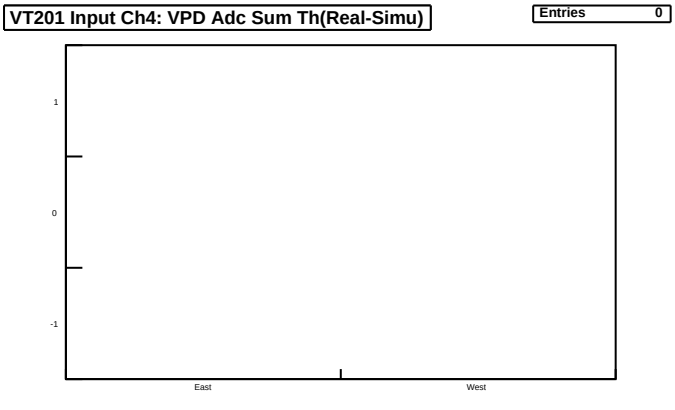

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3942664
7582
2004
14
11
8153
3234
38
30
485251
490829
492819
492822
484680
489599
492795
492803
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

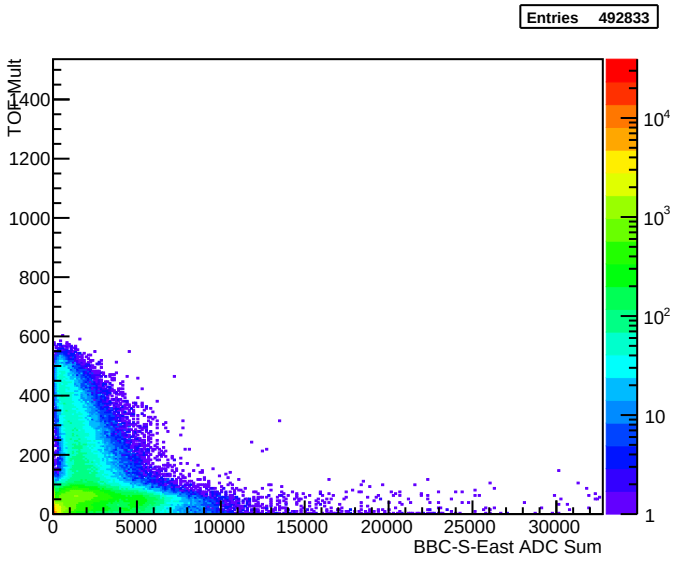

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

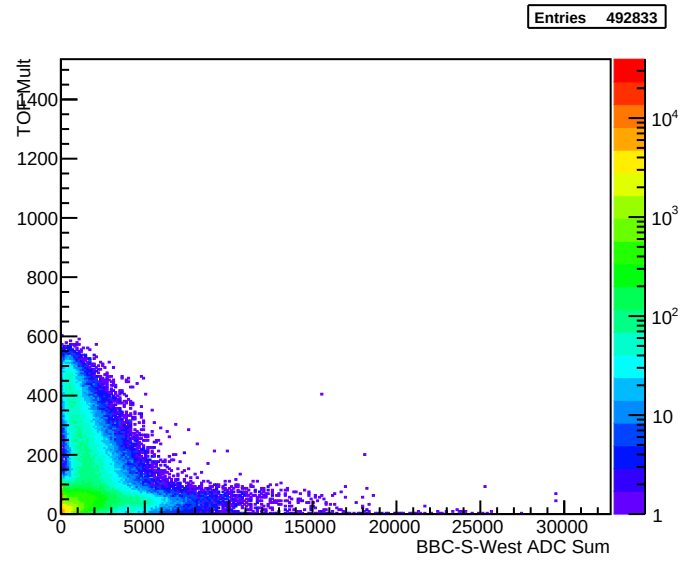

VT201 Input Ch4: VPD Tac Diff
Entries 492833
Tac

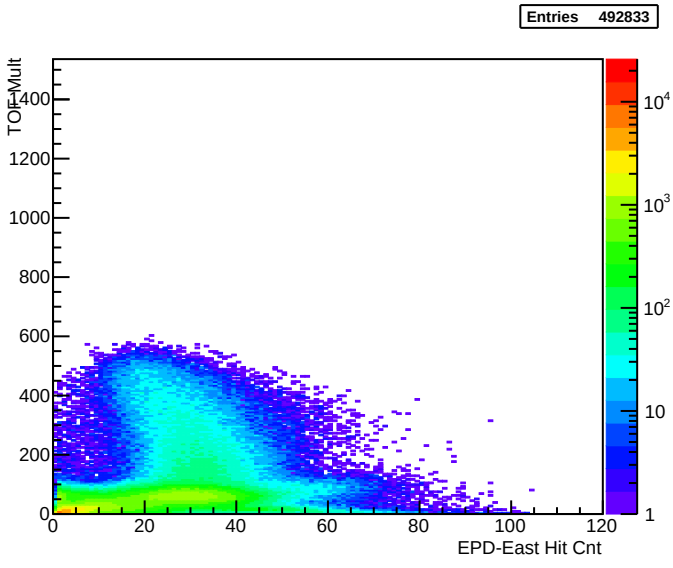

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

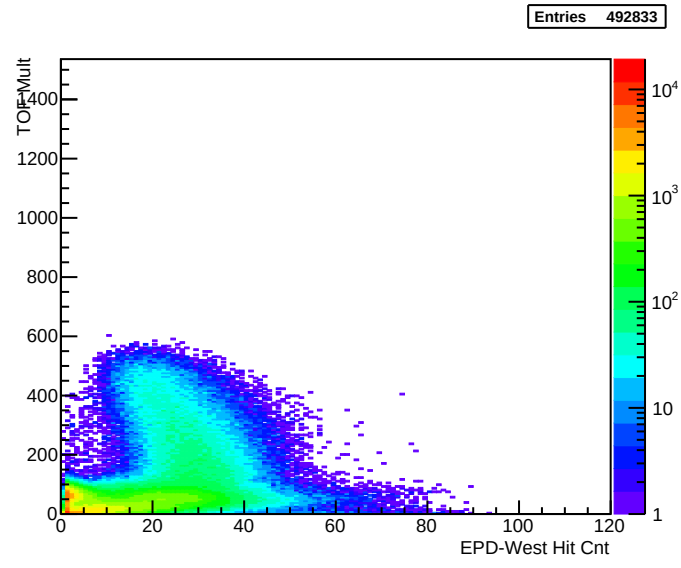

VT201 Input Ch4: VPD Adc Sum Th
Entries 985666
393759
306331
99074
186502
East
West

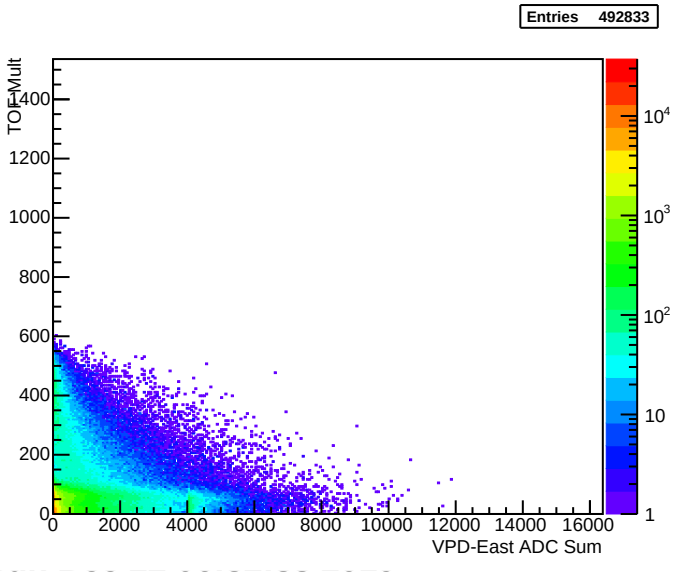

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

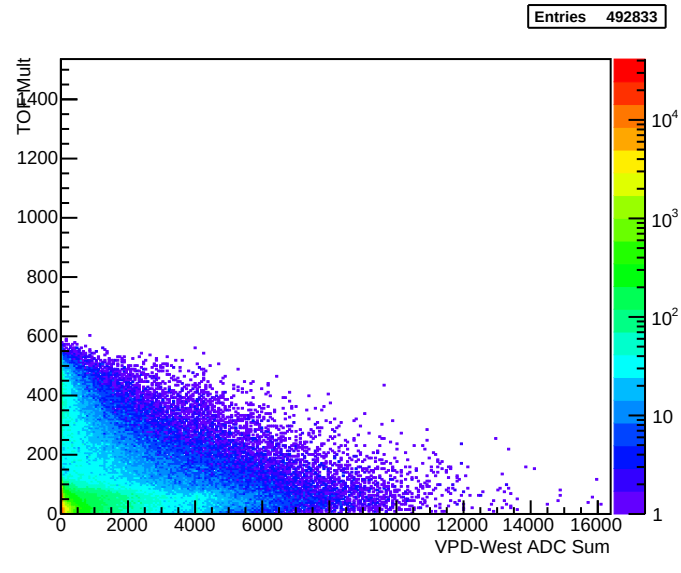

Entries 492833
TOF-Mult
BBC-S-East ADC Sum

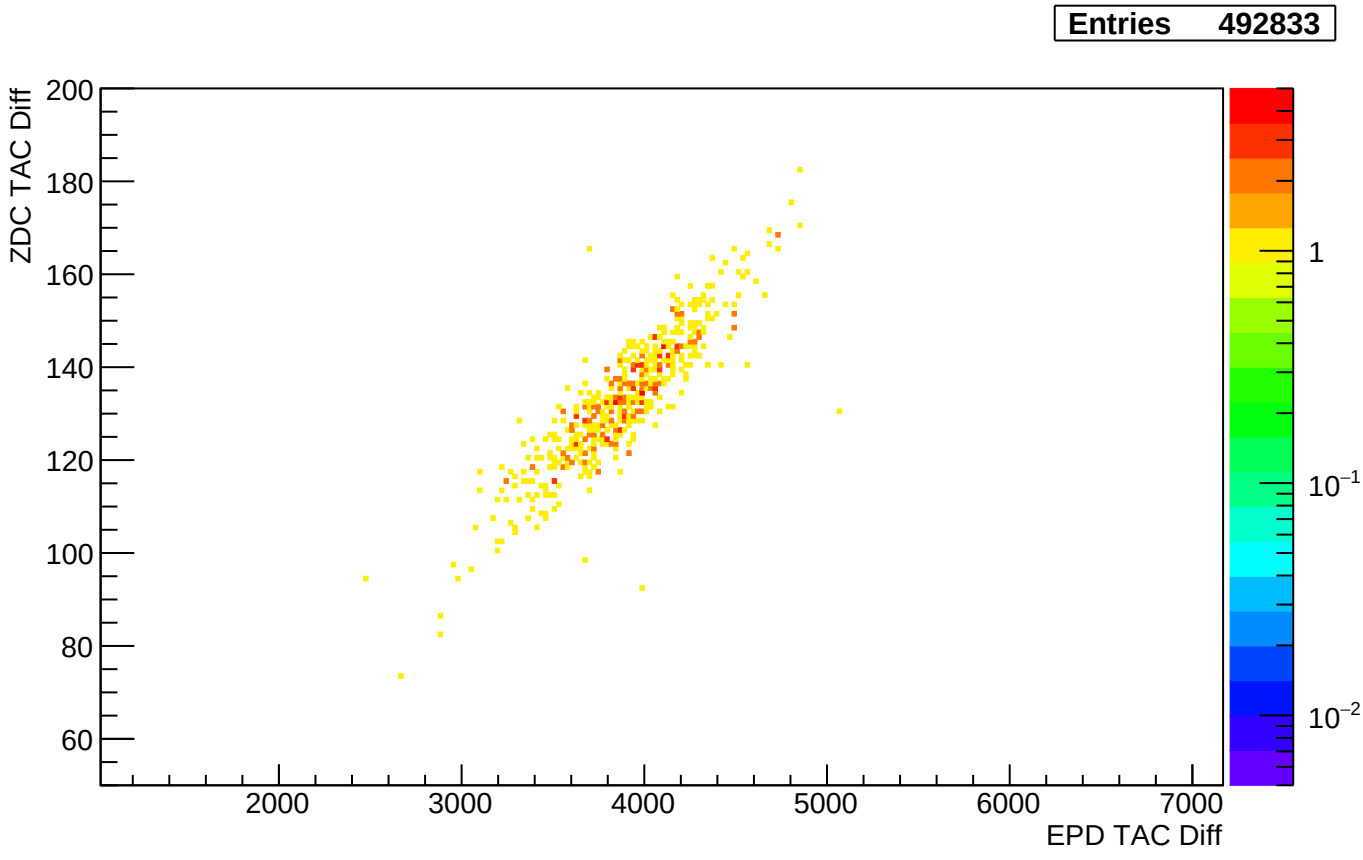

Entries 492833
TOF-Mult
BBC-S-West ADC Sum

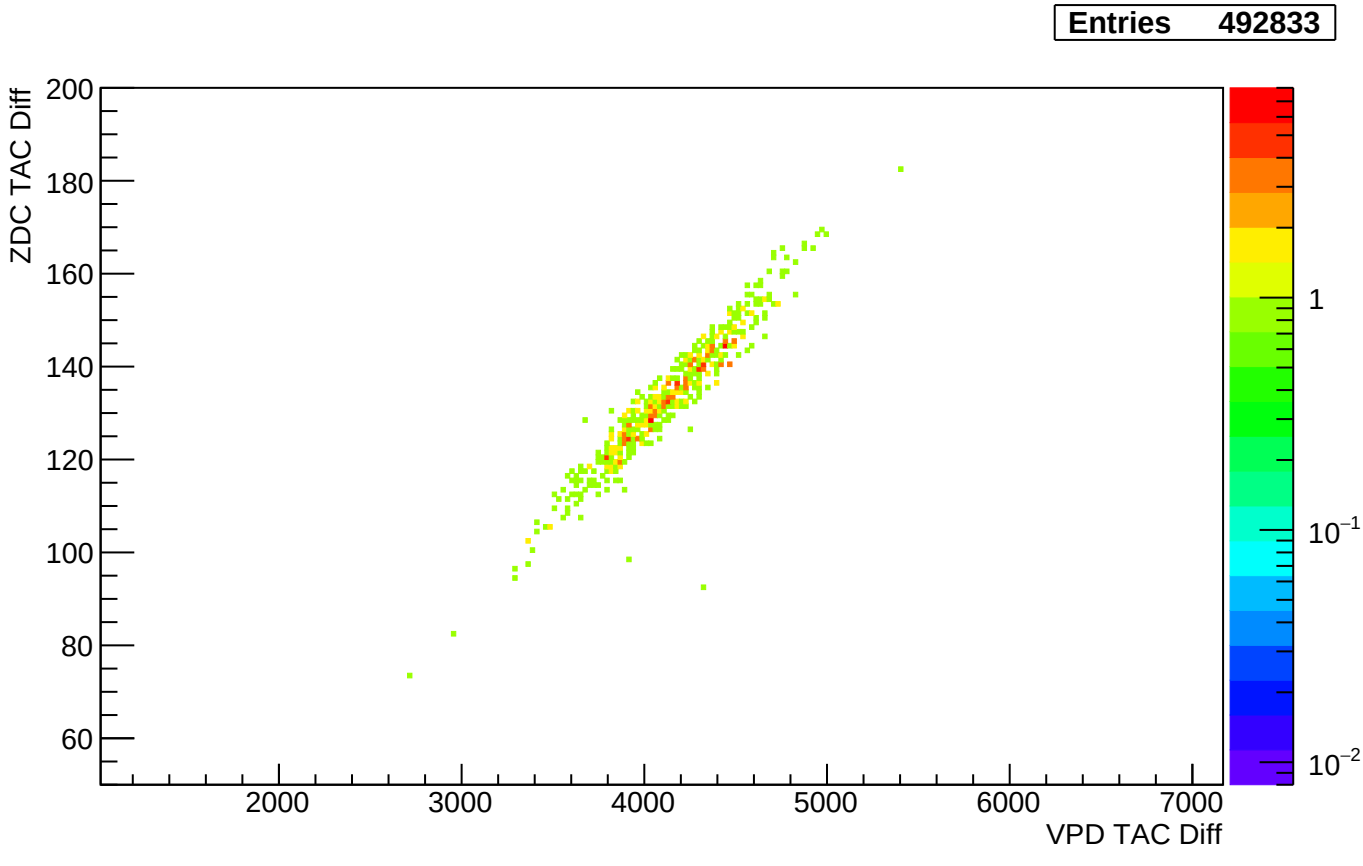

Entries 492833
TOF-Mult
EPD-East Hit Cnt

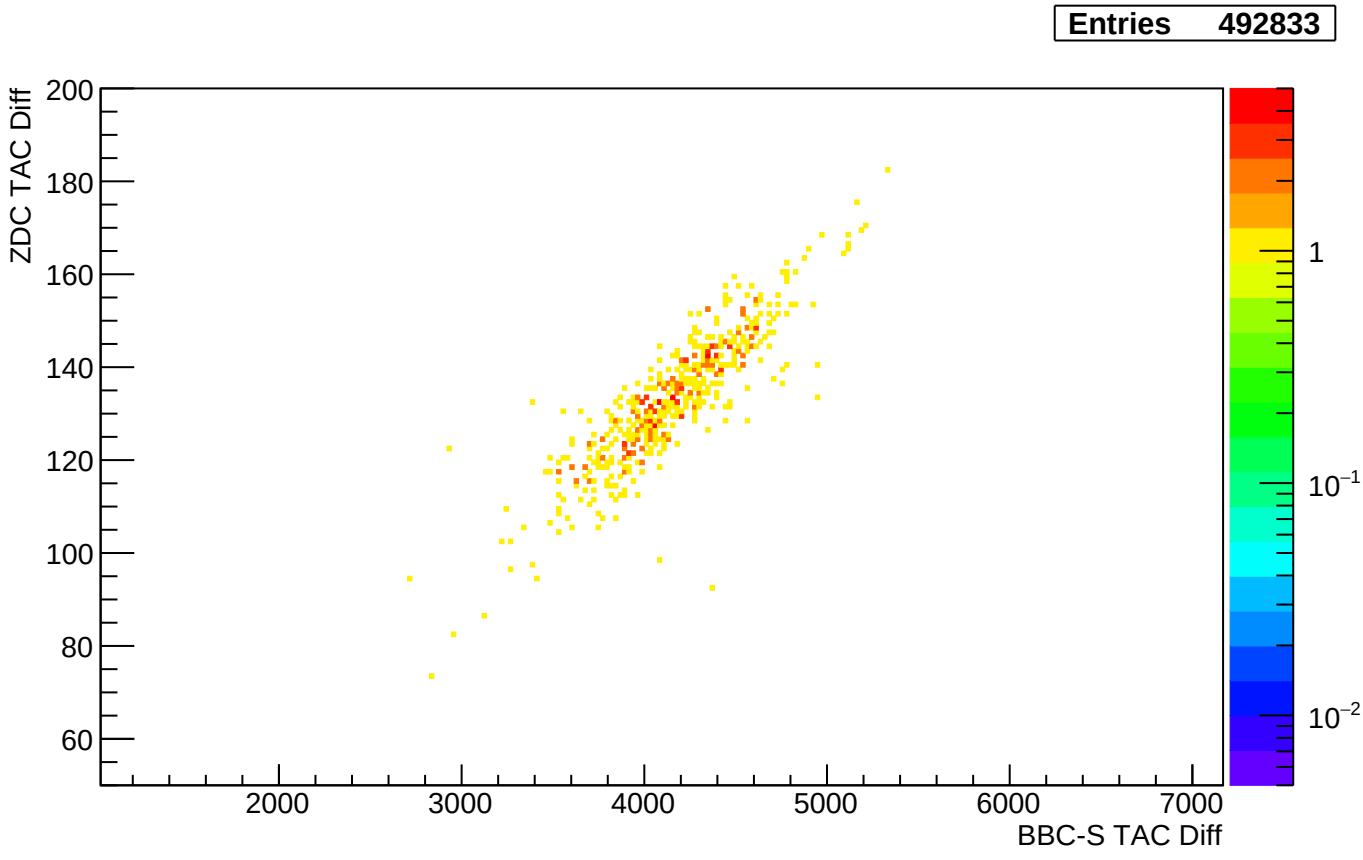

Entries 492833
TOF-Mult
EPD-West Hit Cnt

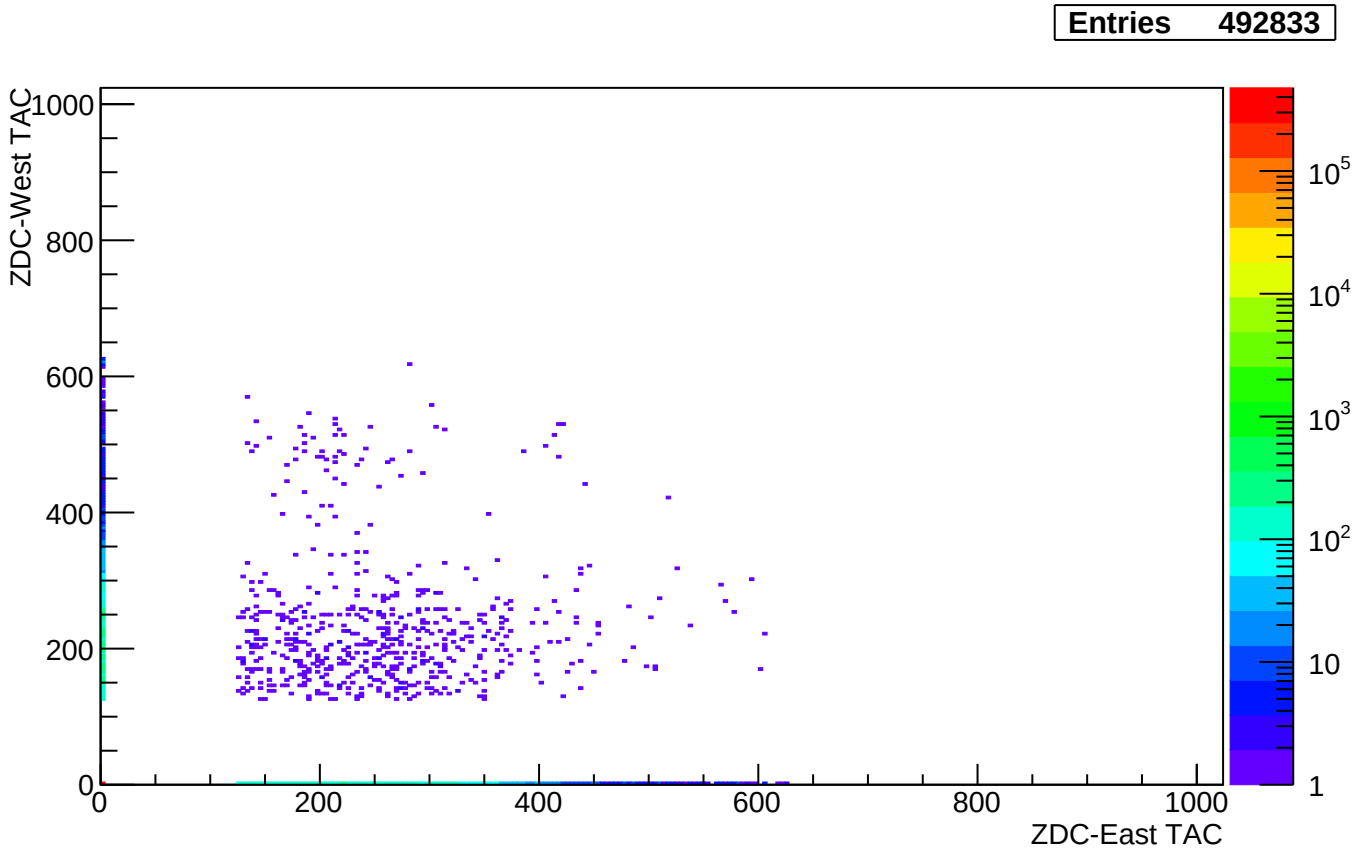

Entries 492833
TOF-Mult
VPD-East ADC Sum

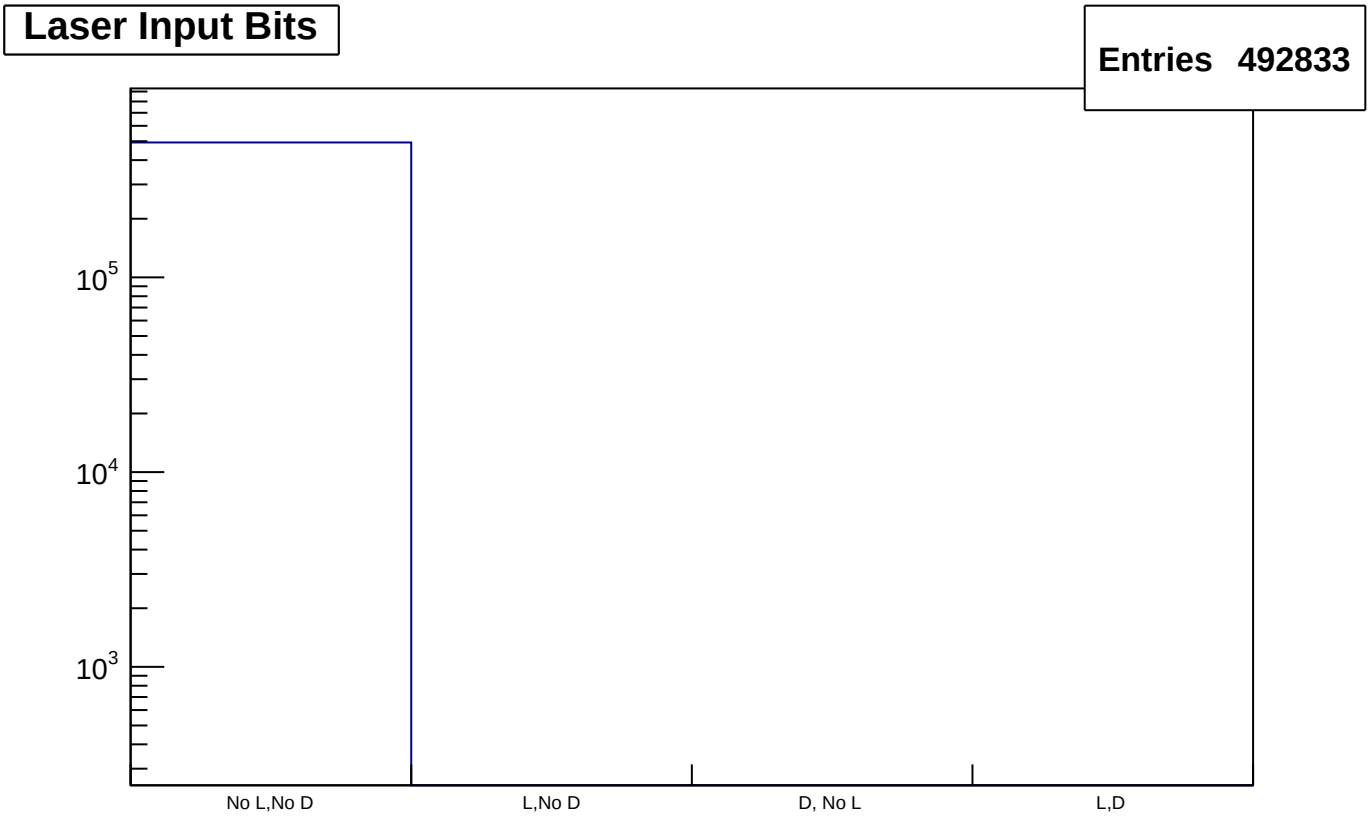

Entries 492833
TOF-Mult
VPD-West ADC Sum

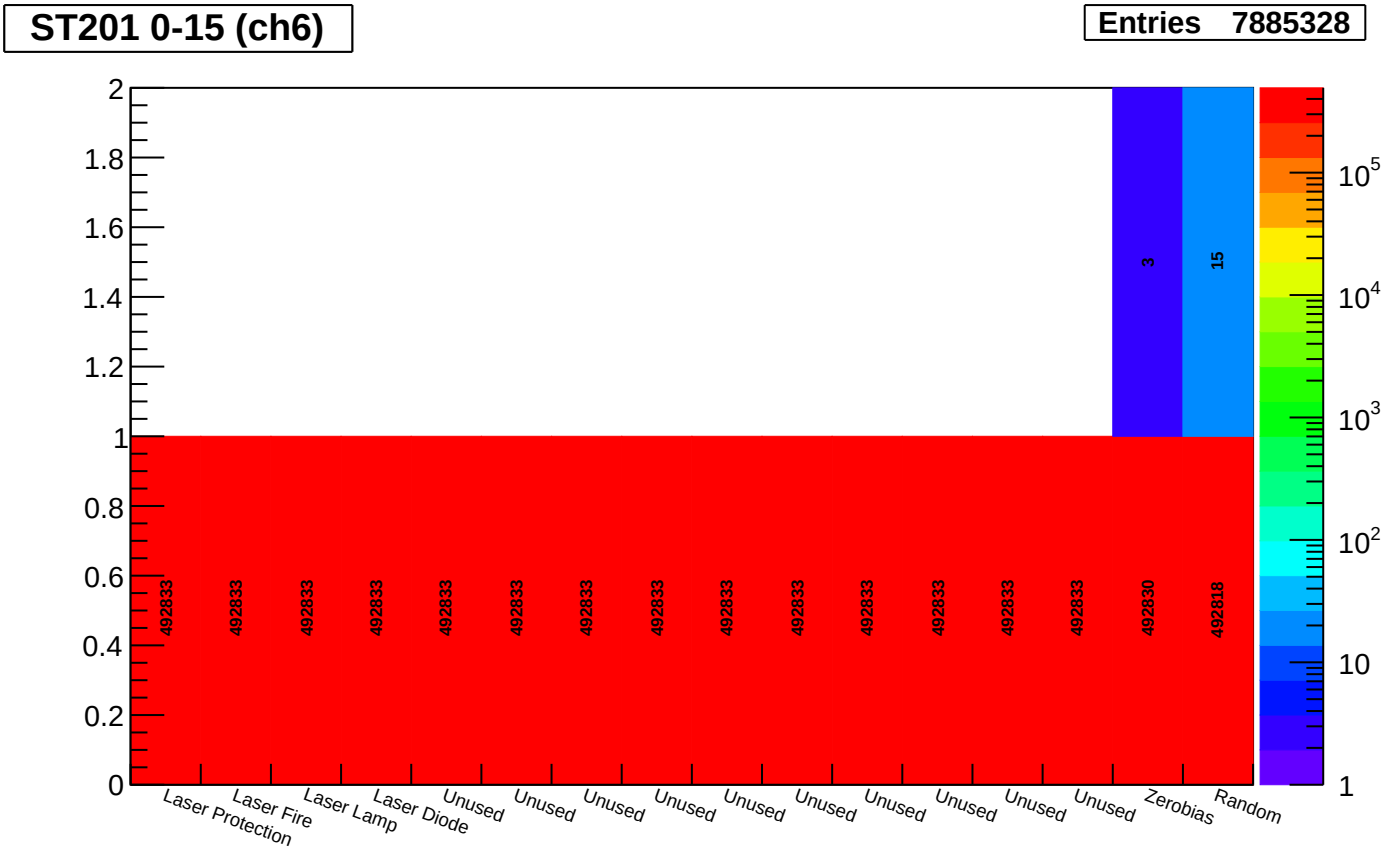

Entries 492833
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

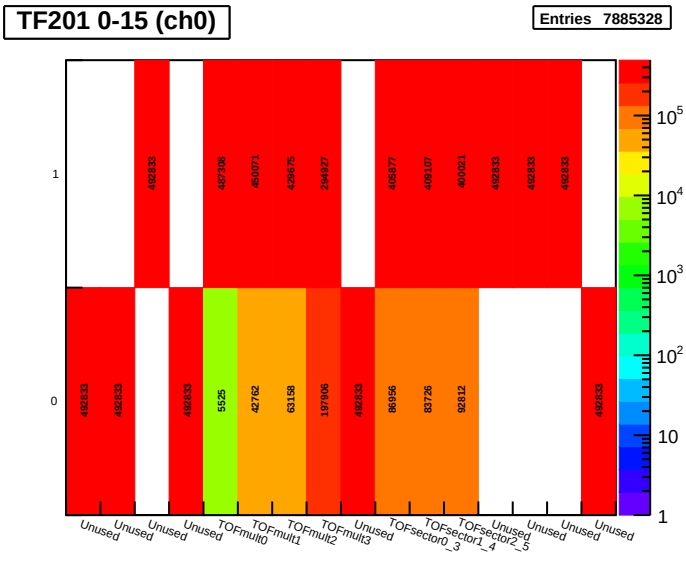

Entries 492833
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

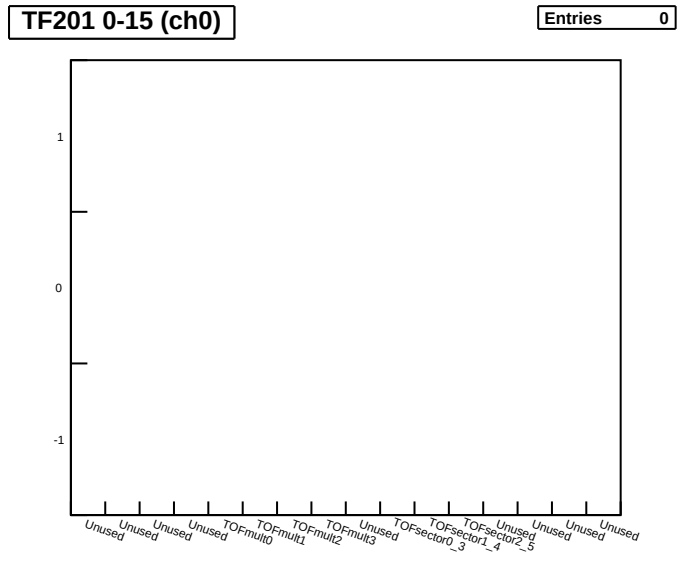

Entries 492833
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

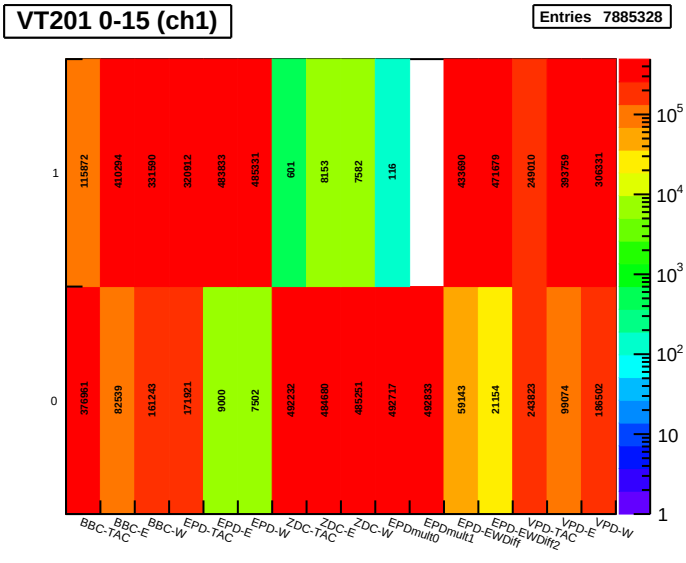

Entries 492833
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

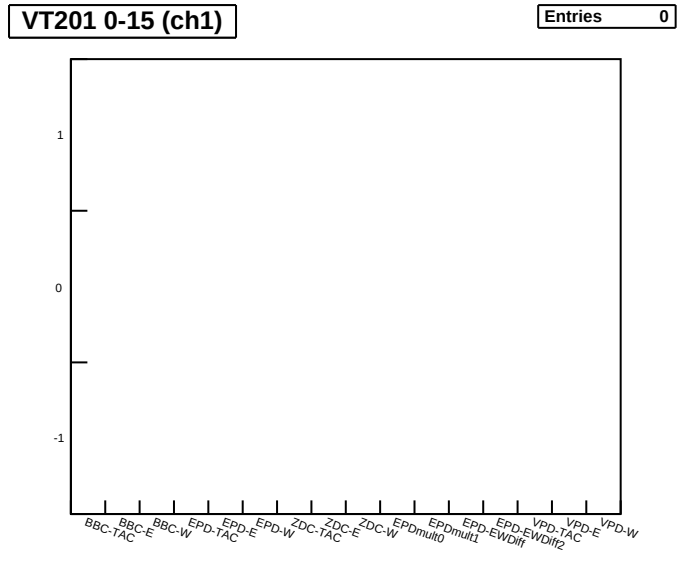

Laser Input Bits
Entries 492833
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

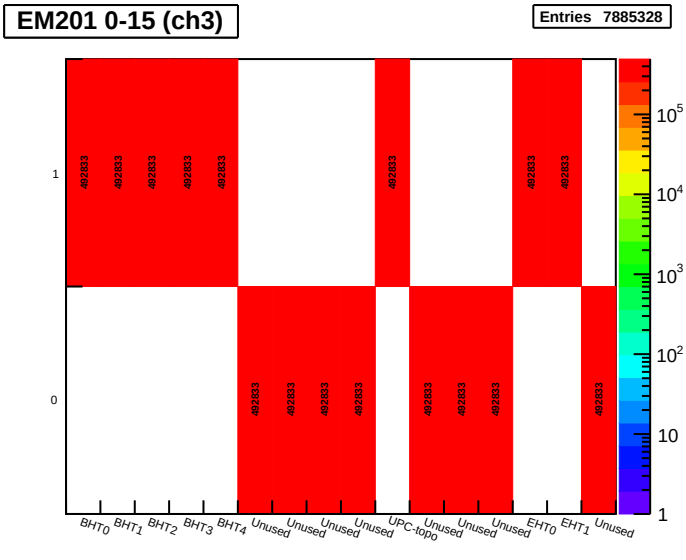

ST201 0-15 (ch6)
Entries 7885328
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492830
492818
3
15
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

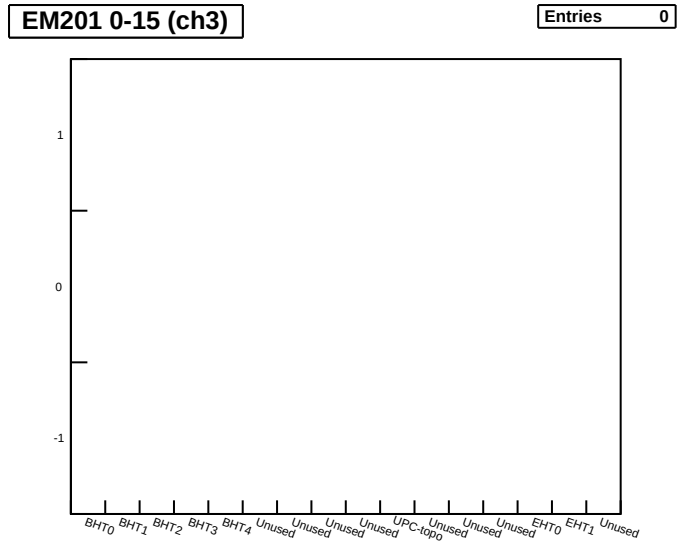

TF201 0-15 (ch0)
Entries 7885328
1
0
492833
487308
450071
429675
294927
405877
409107
400021
492833
492833
492833
492833
492833
492833
5525
42762
63158
197906
492833
86956
83726
92812
492833
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 7885328
1
0
115872
410294
331590
320912
483833
495331
601
8153
7582
116
433690
471679
249010
393759
306331
376561
82539
161243
171921
9000
7502
492232
484680
485251
492717
492833
59143
21154
243823
99074
186502
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 7885328
1
0
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
492833
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1