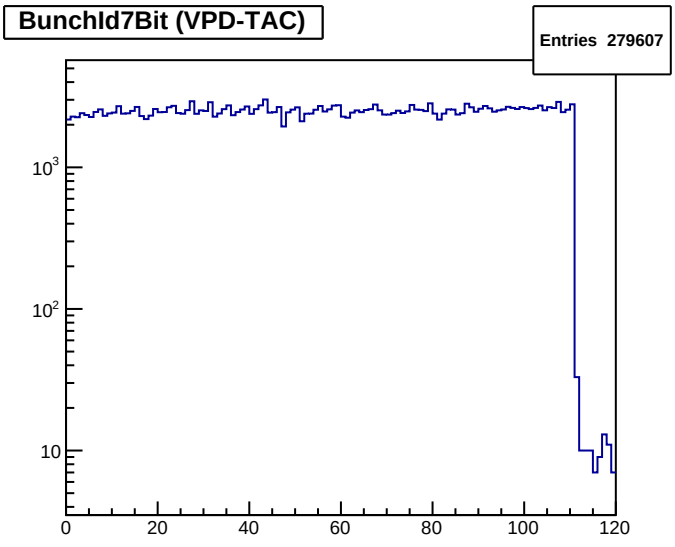
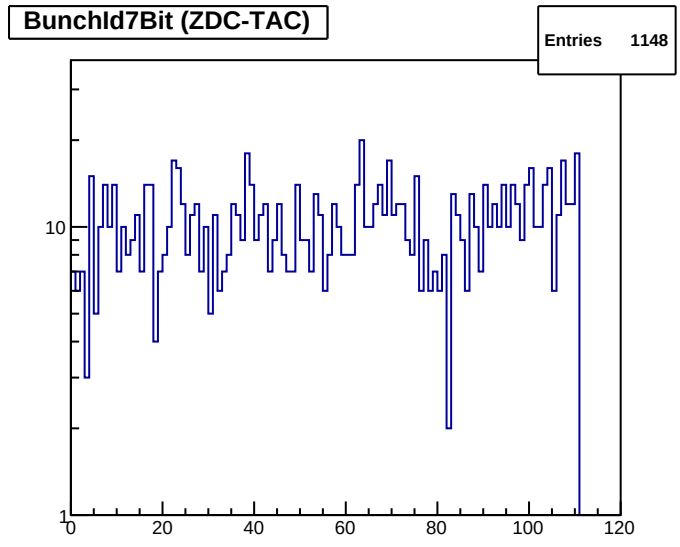
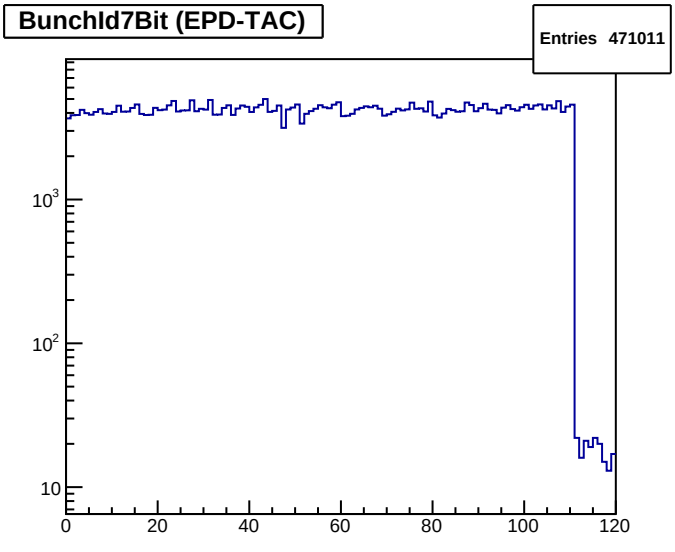
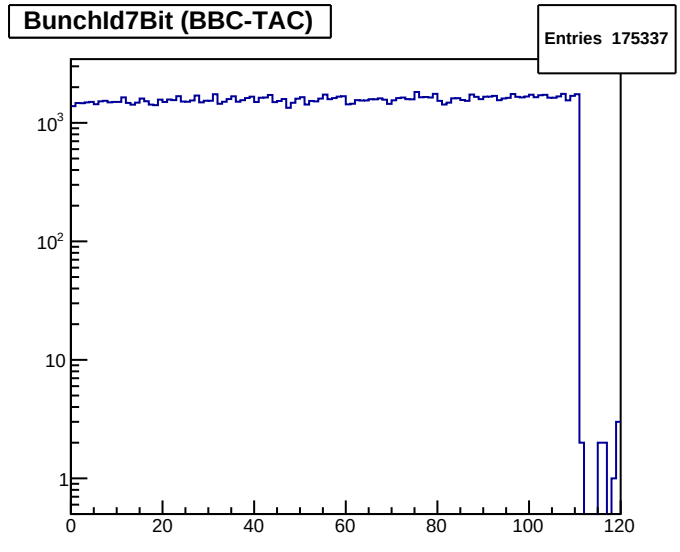
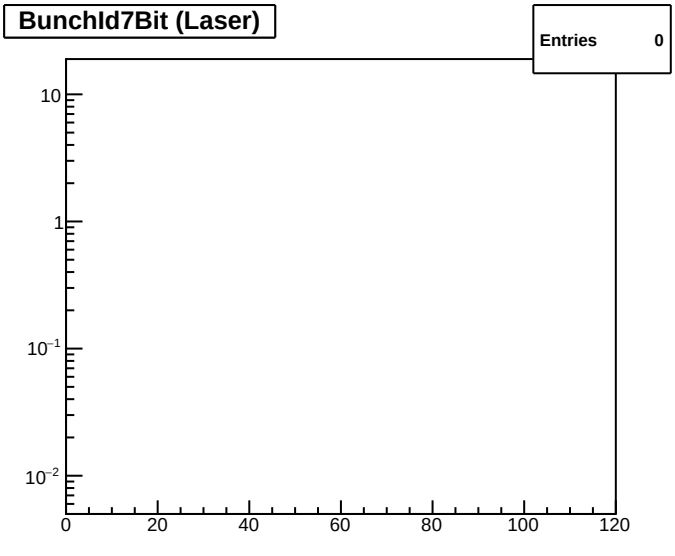
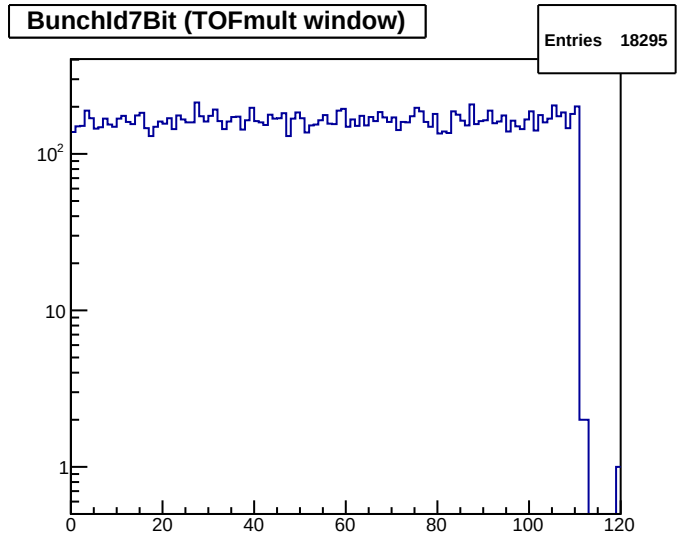

BunchId7Bit (VPD-TAC)
Entries 279607

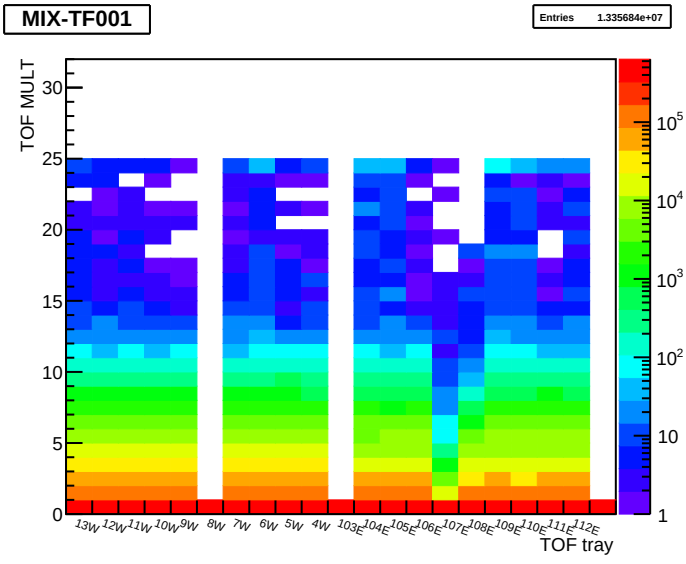

BunchId7Bit (ZDC-TAC)
Entries 1148

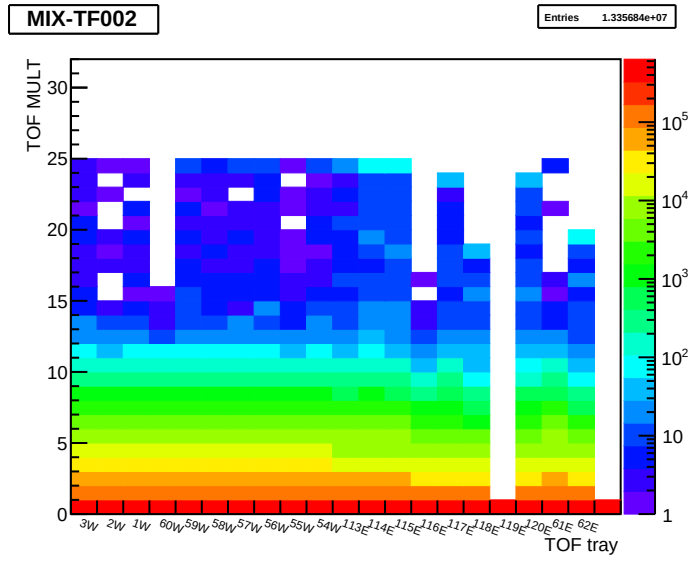

BunchId7Bit (EPD-TAC)
Entries 471011

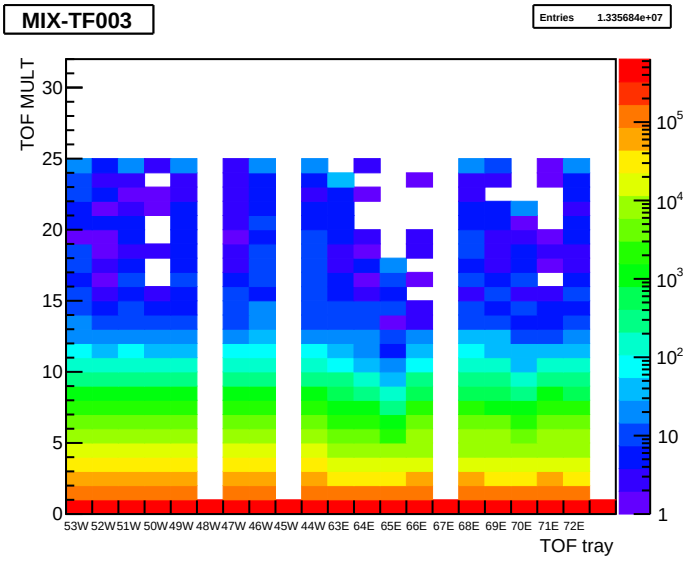

BunchId7Bit (BBC-TAC)
Entries 175337

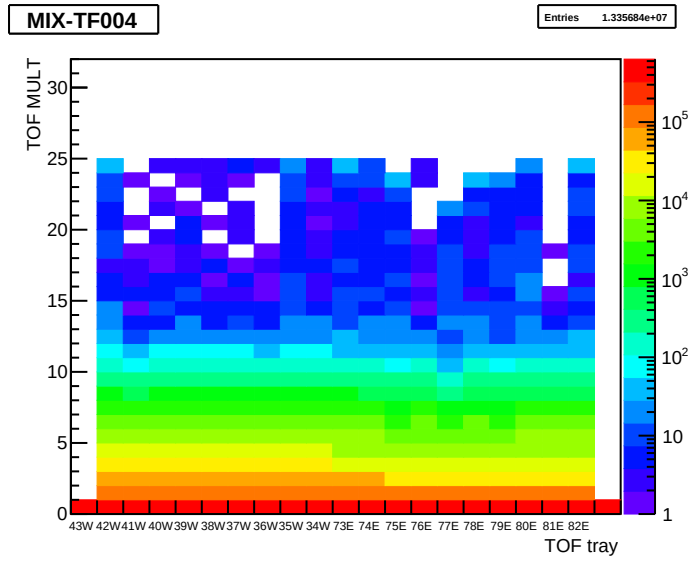

BunchId7Bit (Laser)
Entries 0

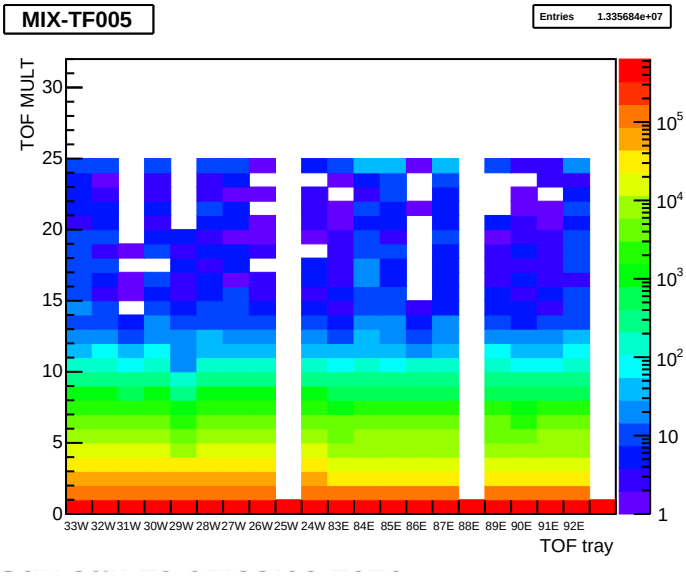

BunchId7Bit (TOFmult window)
Entries 18295

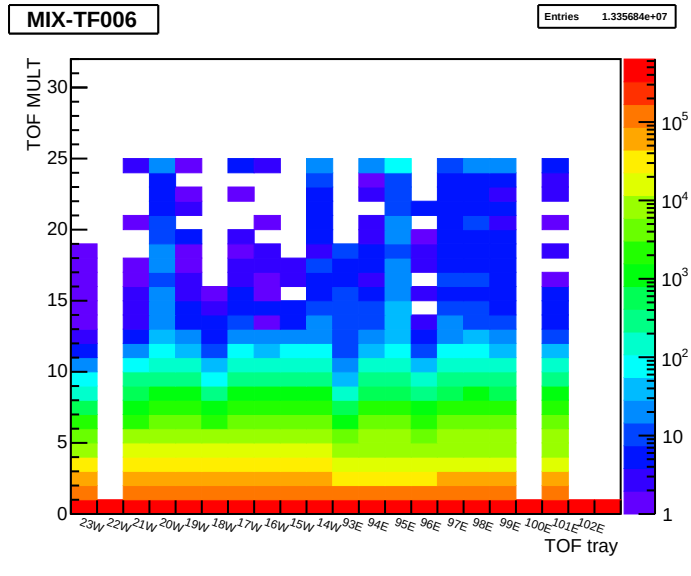

MIX-TF001
Entries 1.335684e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

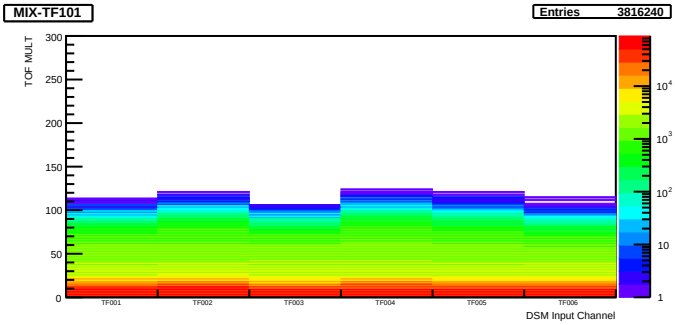

MIX-TF002
Entries 1.335684e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

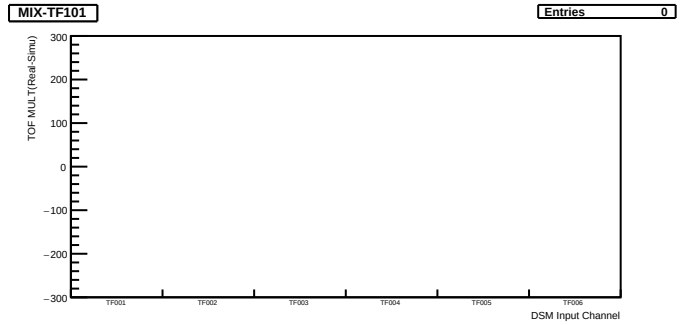

MIX-TF003
Entries 1.335684e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

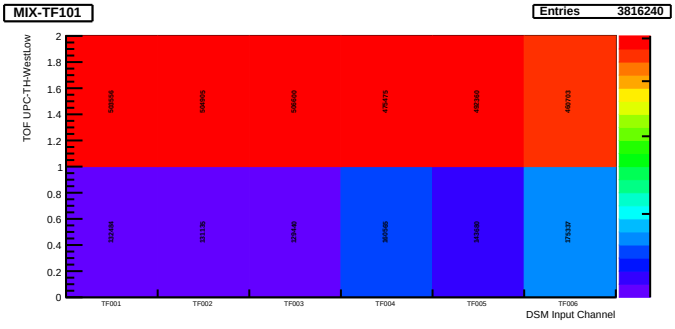

MIX-TF004
Entries 1.335684e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

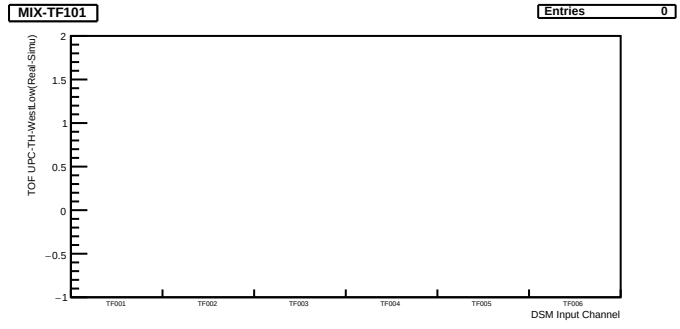

MIX-TF005
Entries 1.335684e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

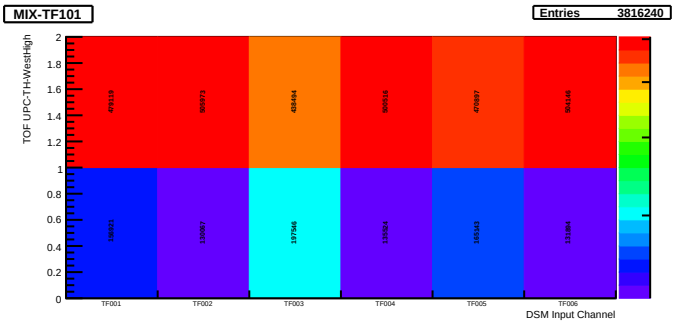

MIX-TF006
Entries 1.335684e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

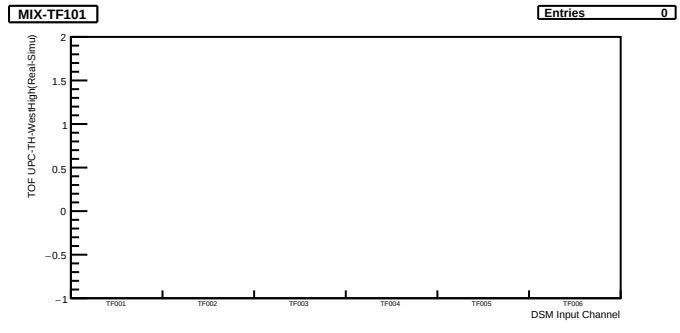

MIX-TF101
Entries 3816240
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

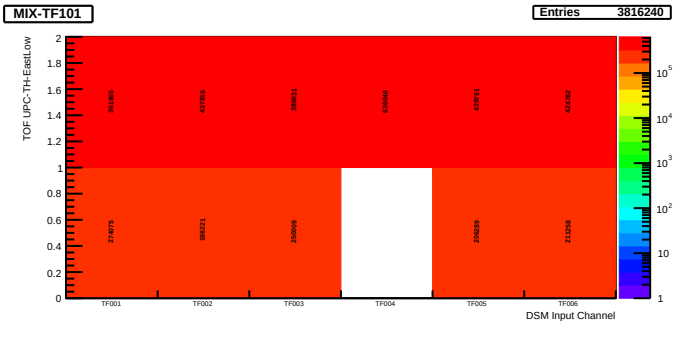

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

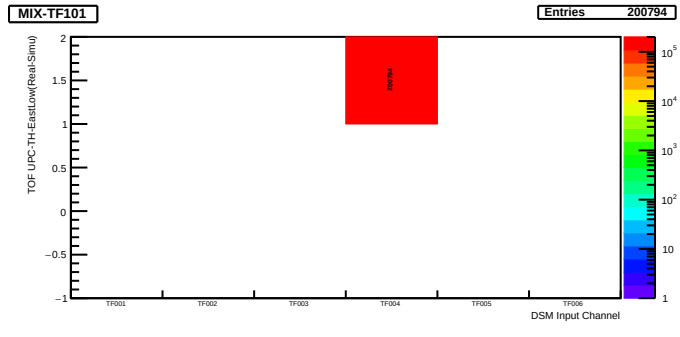

MIX-TF101
Entries 3816240
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

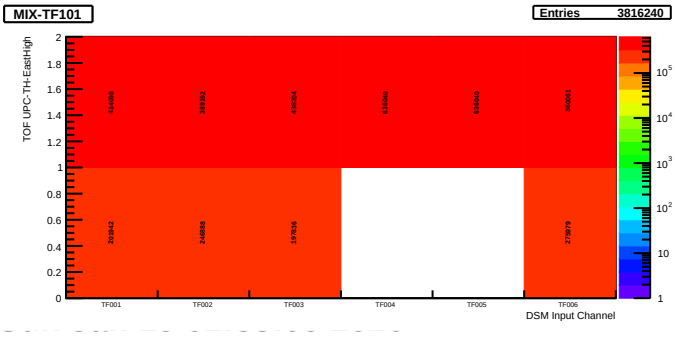

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

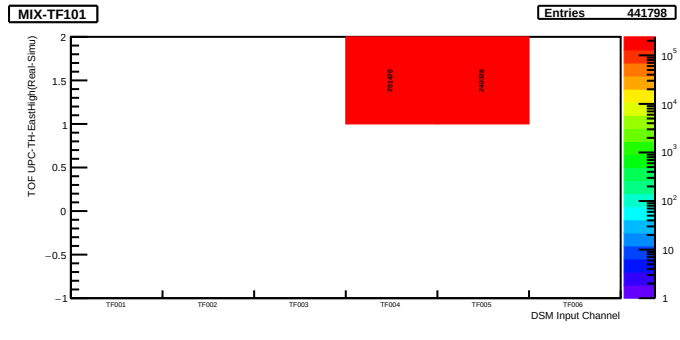

MIX-TF101
Entries 3816240
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

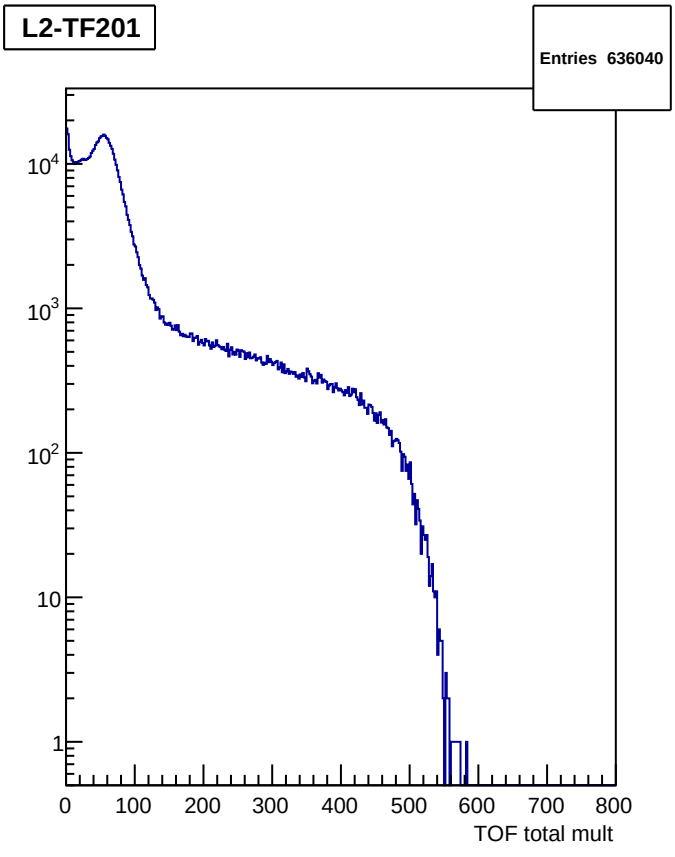

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

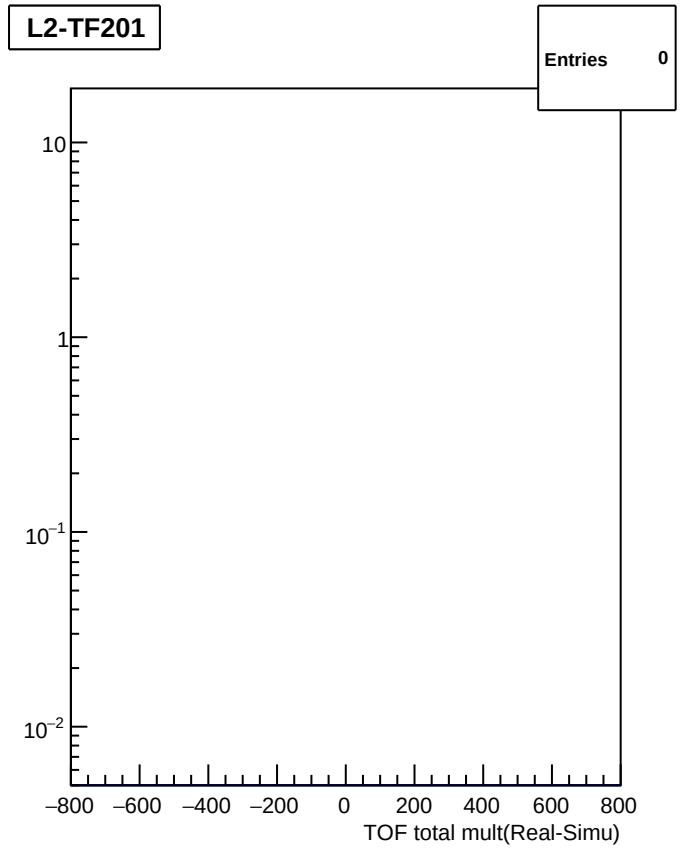

MIX-TF101
Entries 3816240
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

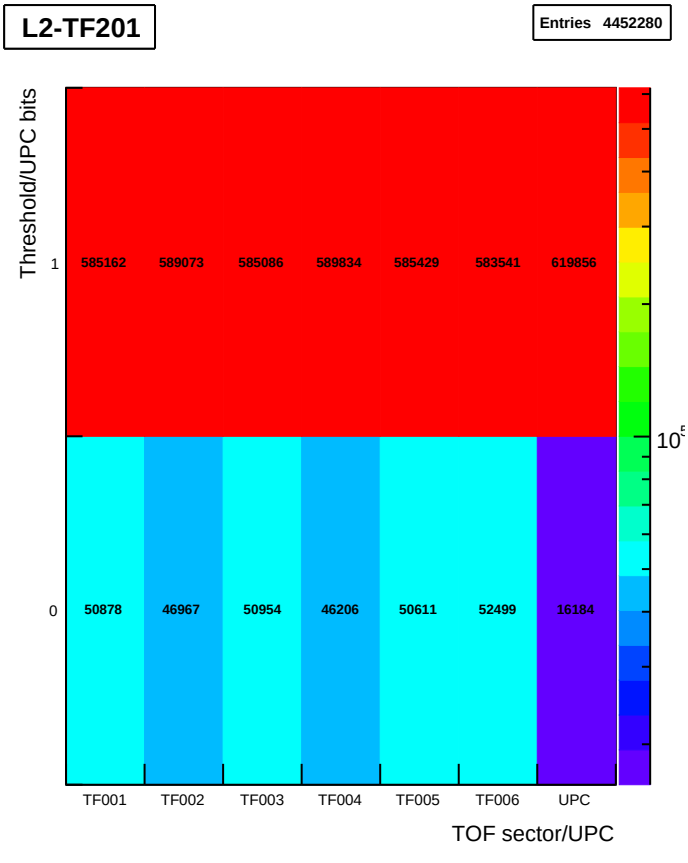

MIX-TF101
Entries 200794
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

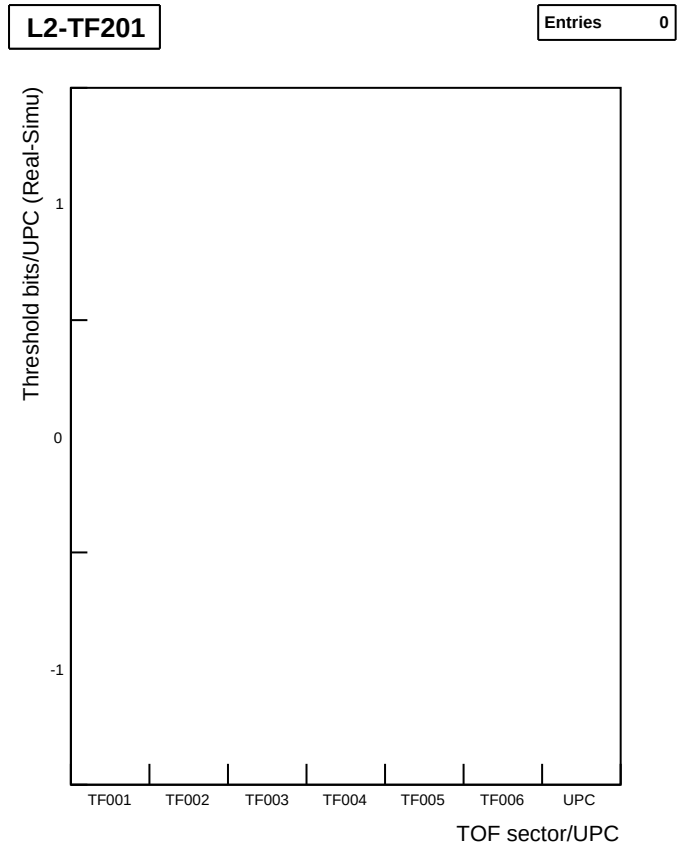

MIX-TF101
Entries 3816240
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

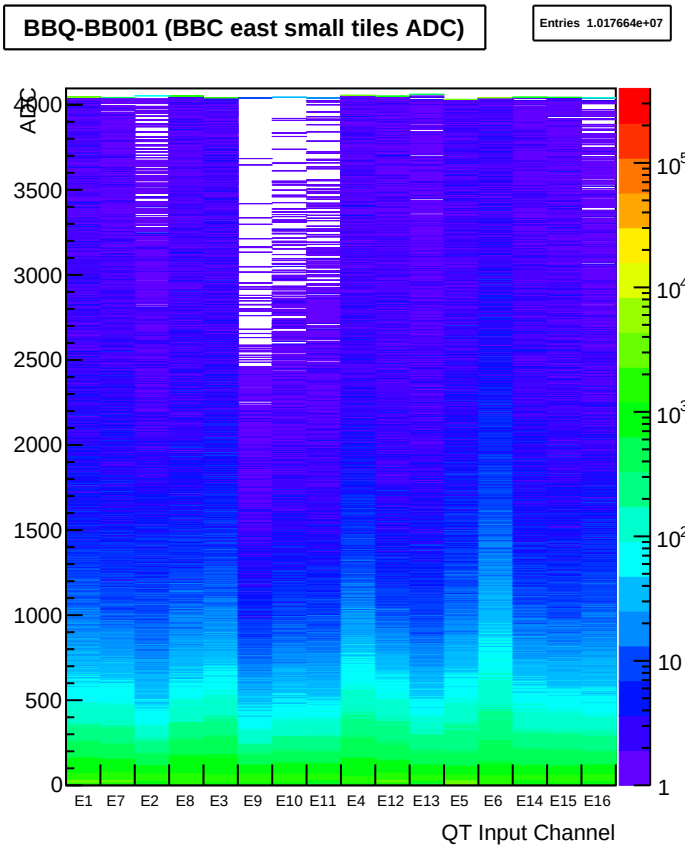

MIX-TF101
Entries 441798
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

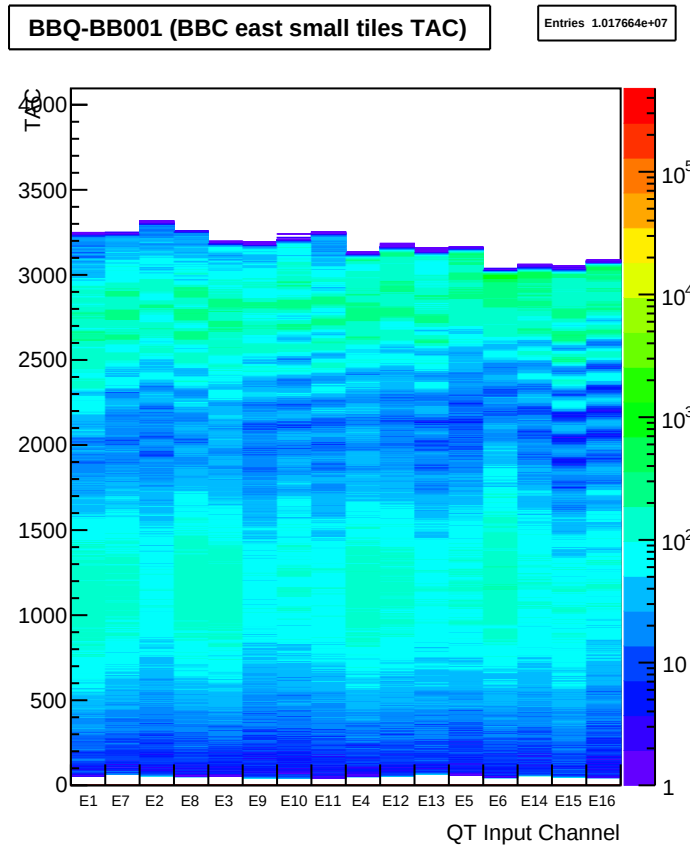

L2-TF201
Entries 636040
TOF total mult

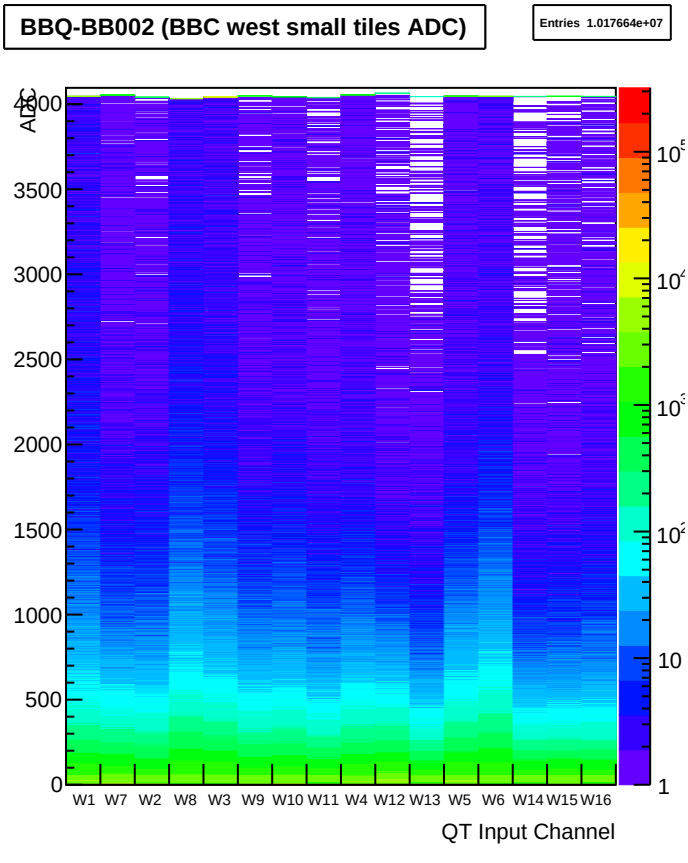

L2-TF201
Entries 0
TOF total mult(Real-Simu)

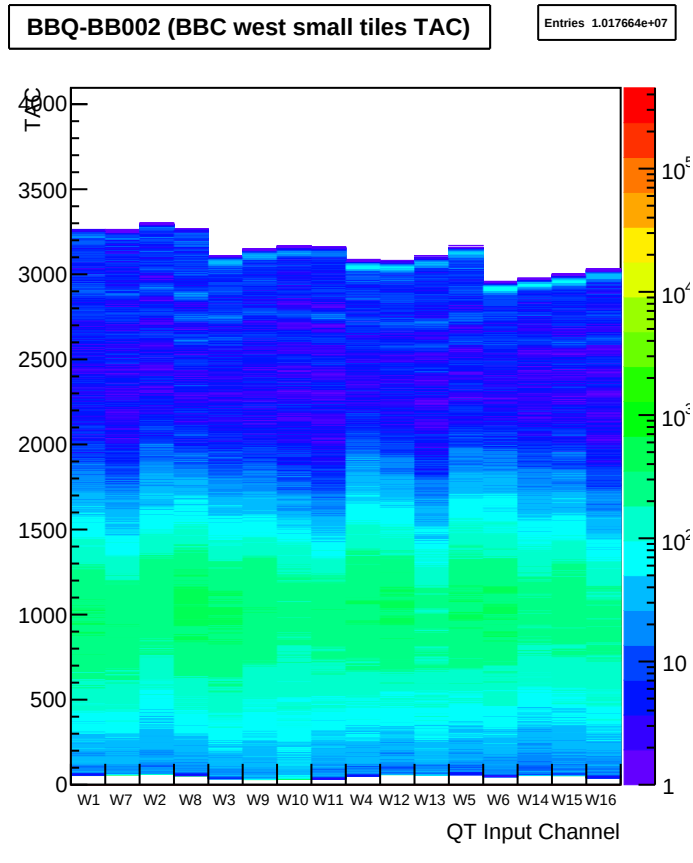

L2-TF201
Entries 4452280
Threshold/UPC bits
585162
589073
585086
589834
585429
583541
619856
50878
46967
50954
46206
50611
52499
16184
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

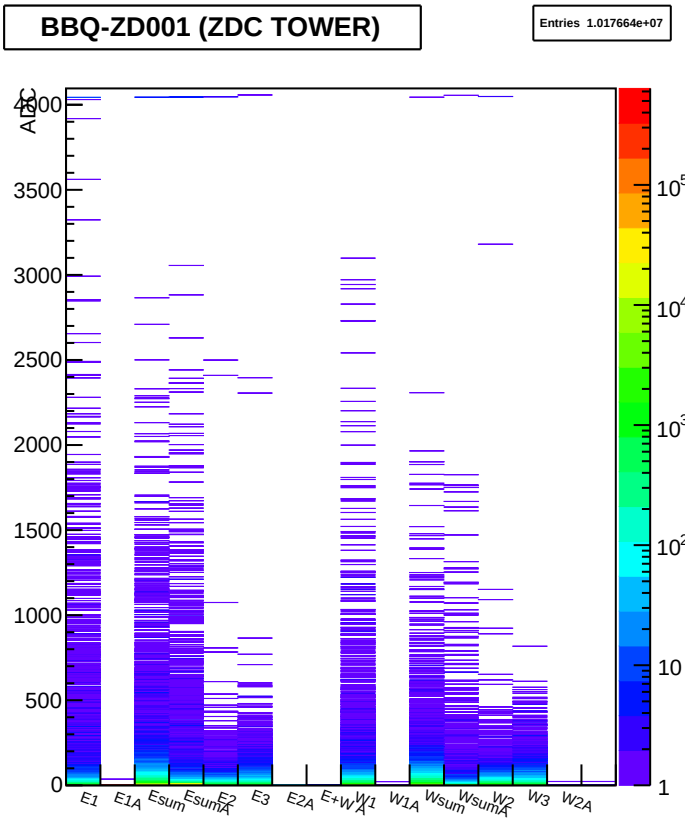

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

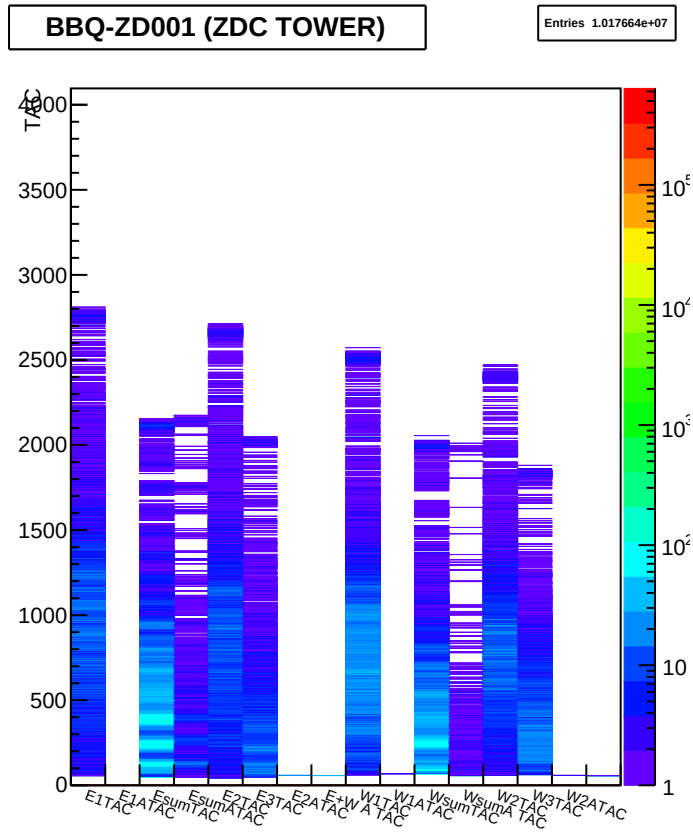

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.017664e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

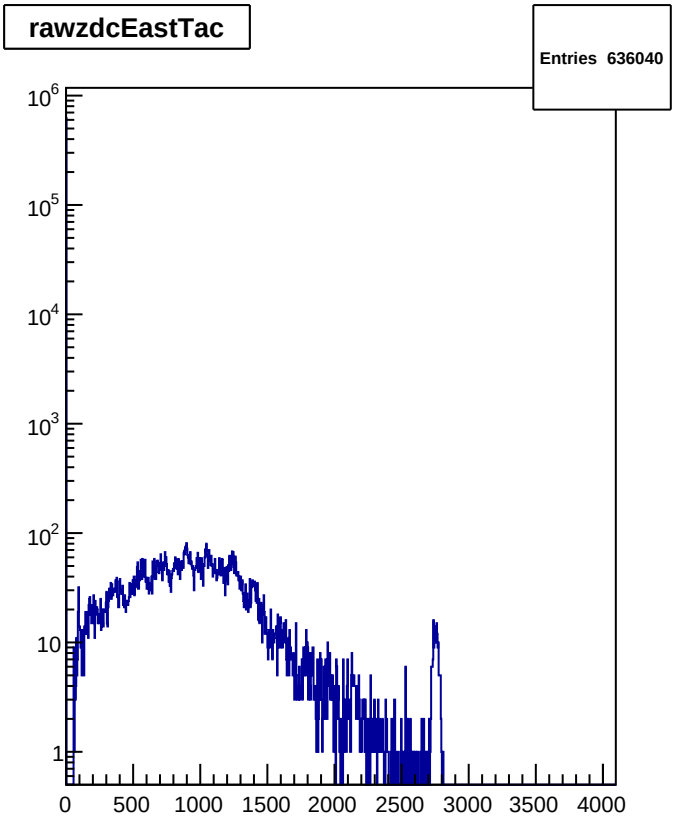

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.017664e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

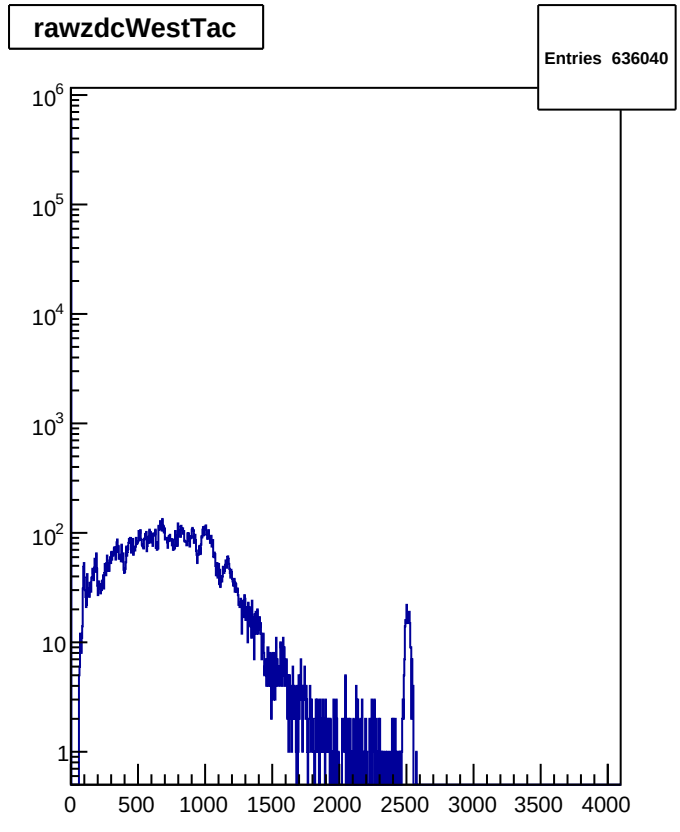

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.017664e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

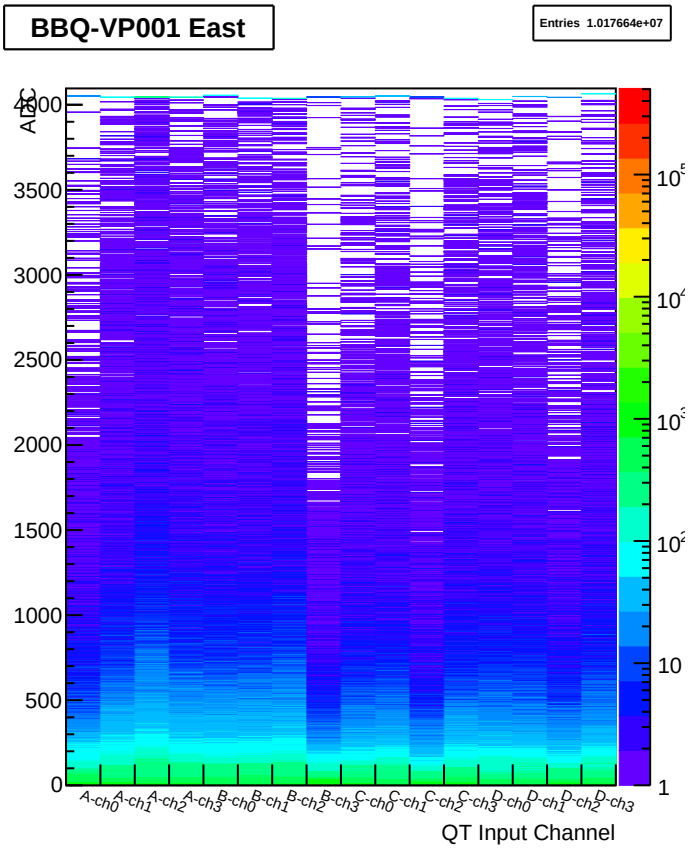

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.017664e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

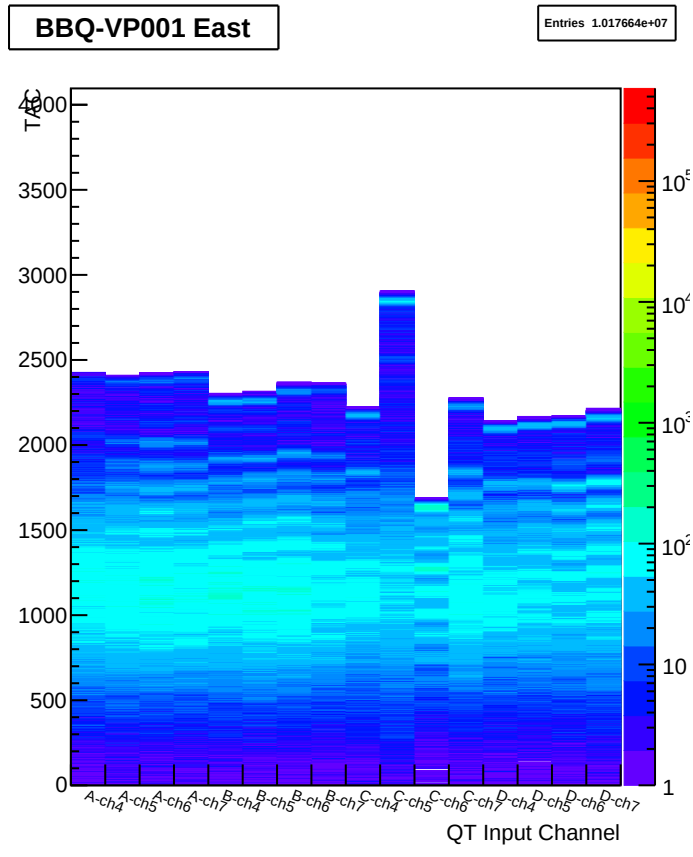

BBQ-ZD001 (ZDC TOWER)
Entries 1.017664e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

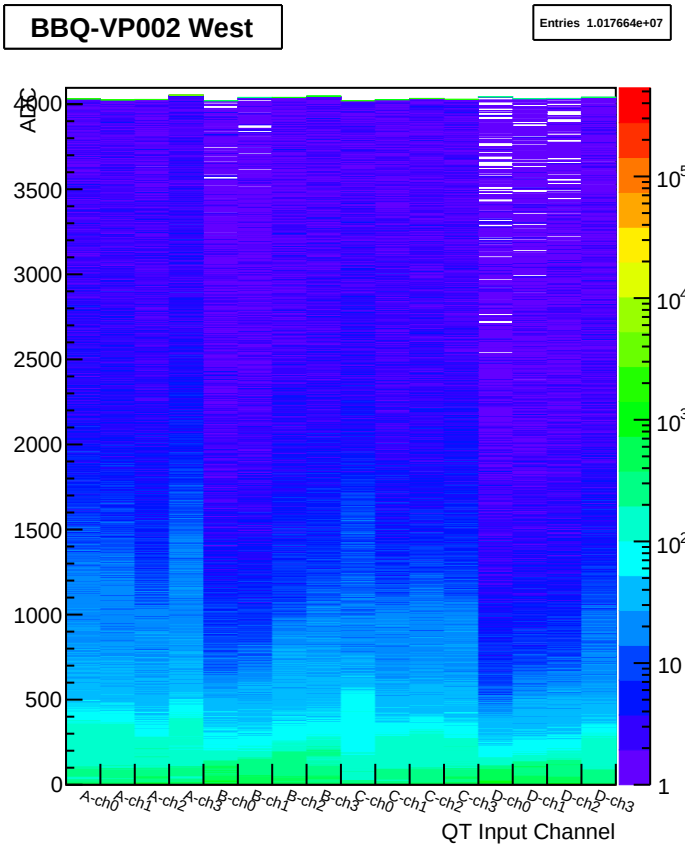

BBQ-ZD001 (ZDC TOWER)
Entries 1.017664e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

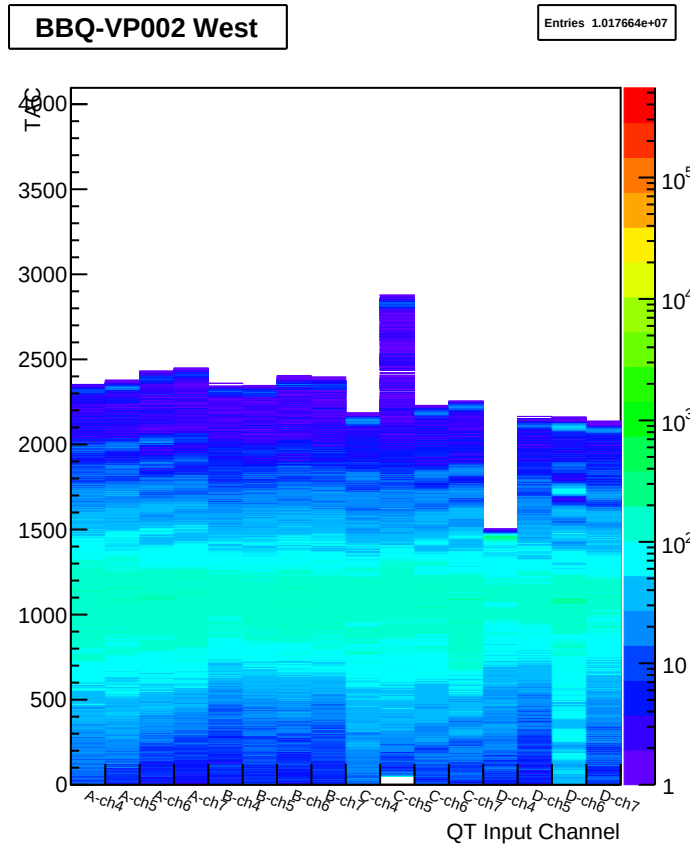

rawzdcEastTac
Entries 636040

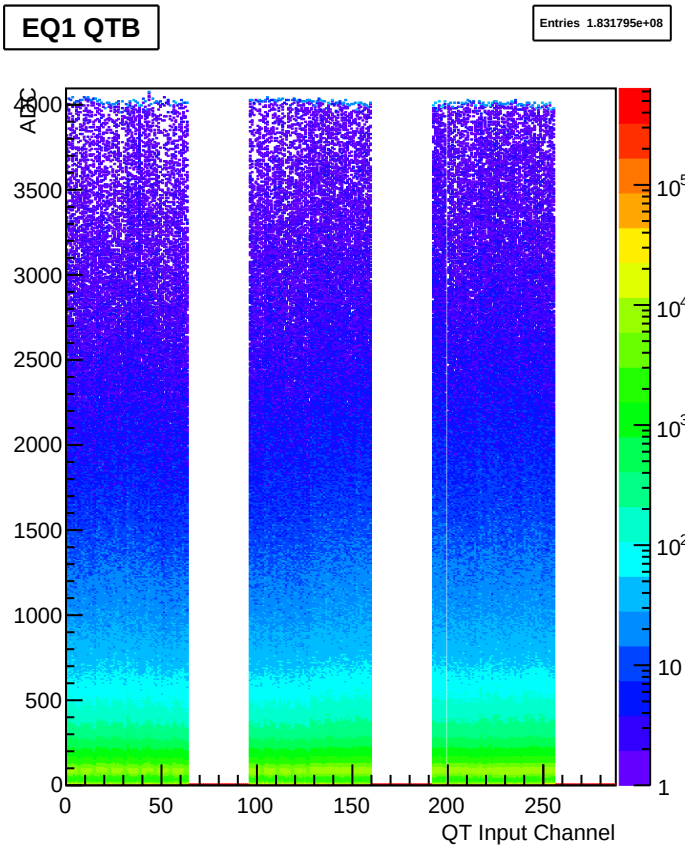

rawzdcWestTac
Entries 636040

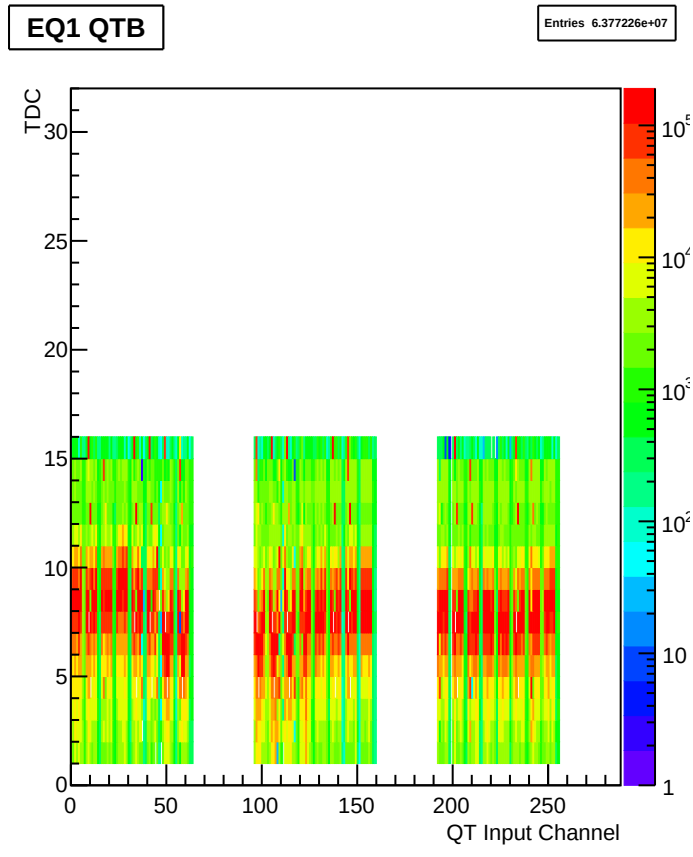

BBQ-VP001 East
Entries 1.017664e+07
ADC
QT Input Channel

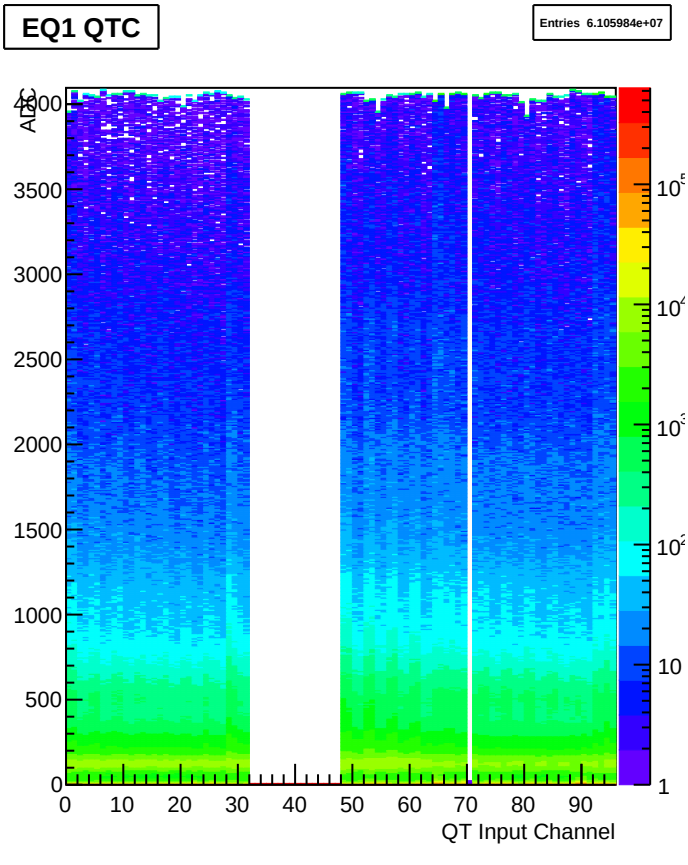

BBQ-VP001 East
Entries 1.017664e+07
TAC
QT Input Channel

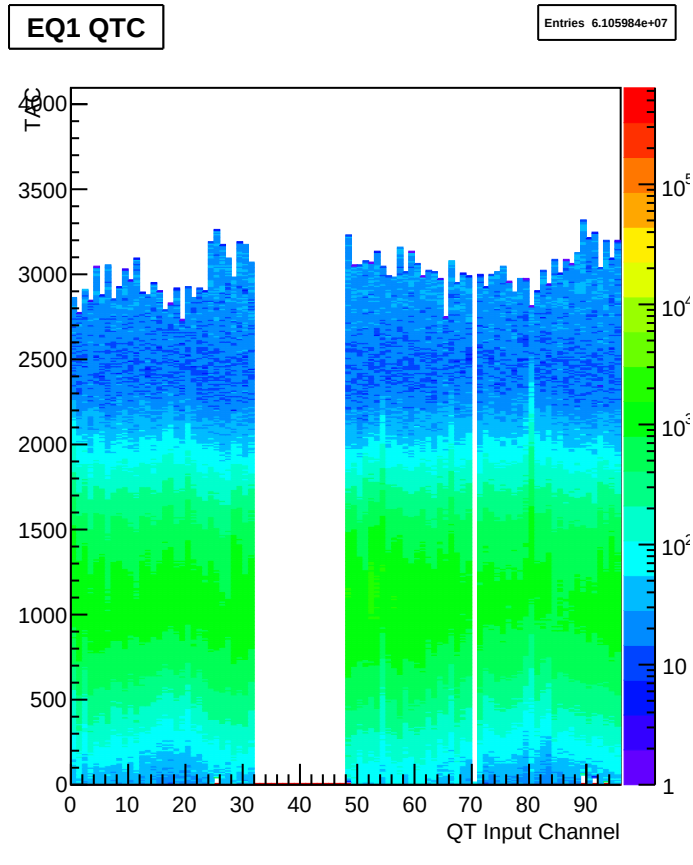

BBQ-VP002 West
Entries 1.017664e+07
ADC
QT Input Channel

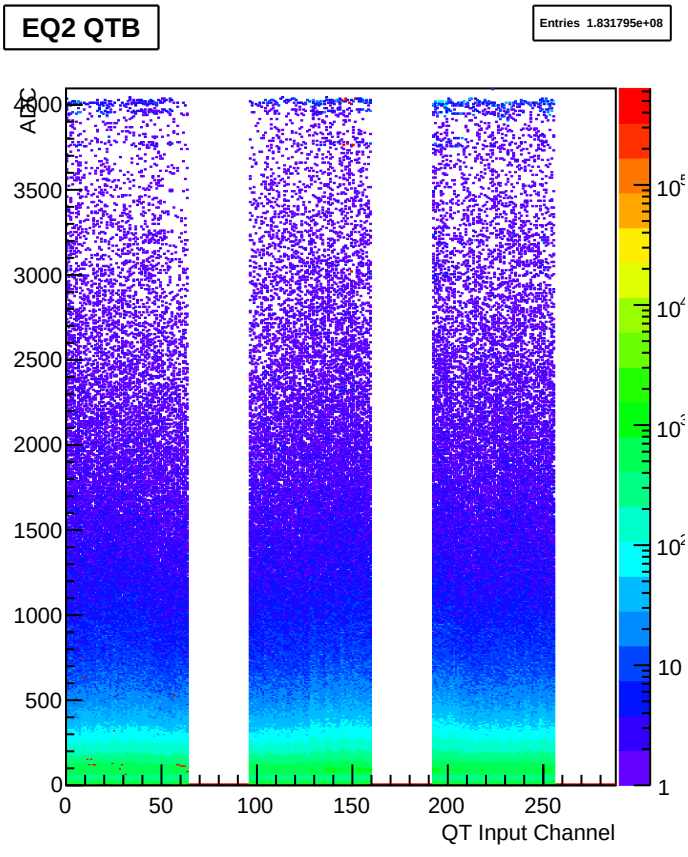

BBQ-VP002 West
Entries 1.017664e+07
TAC
QT Input Channel

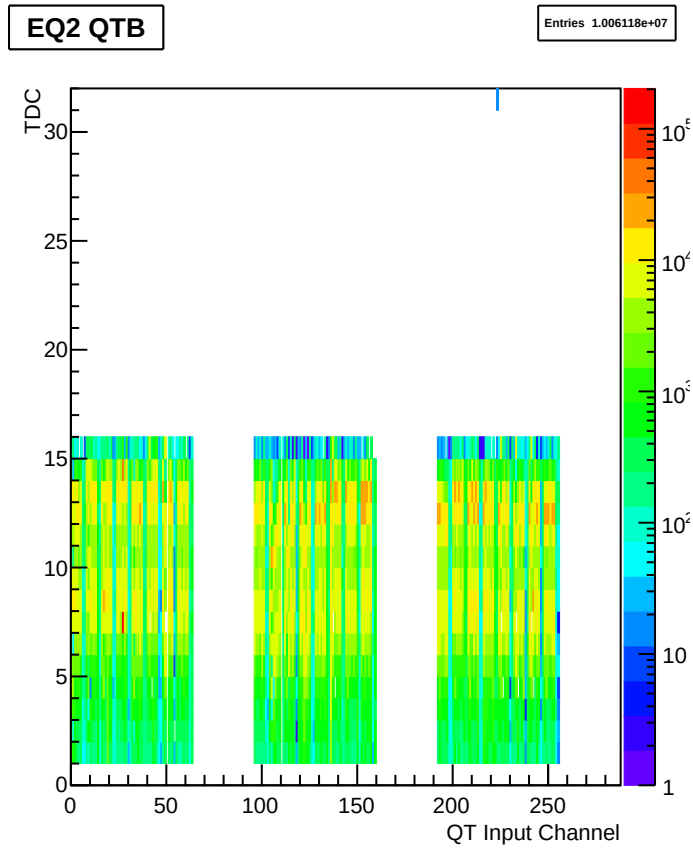

EQ1 QTB
Entries 1.831795e+08
ADC
QT Input Channel

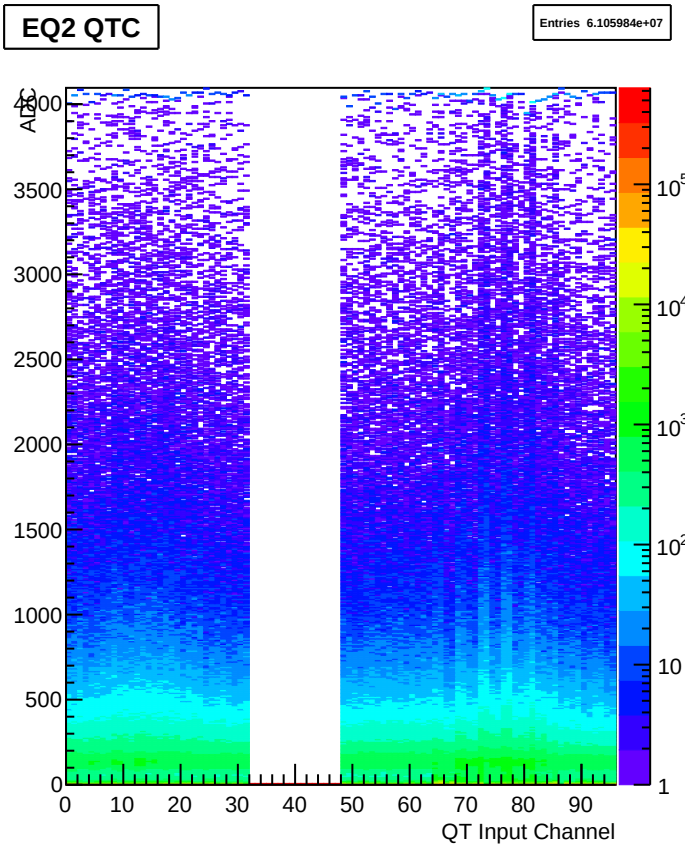

EQ1 QTB
Entries 6.377226e+07
TDC
QT Input Channel

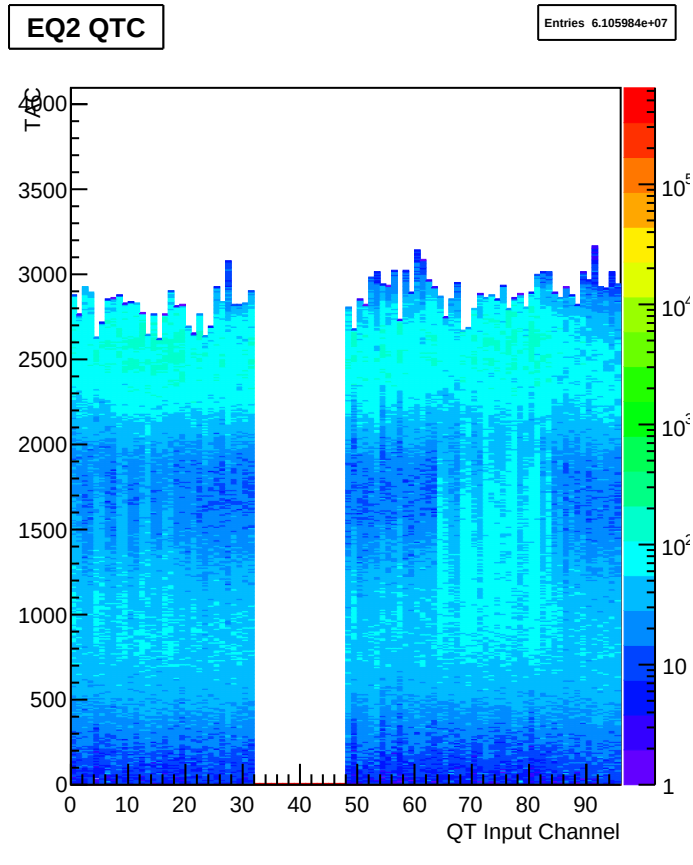

EQ1 QTC
Entries 6.105984e+07
ADC
QT Input Channel

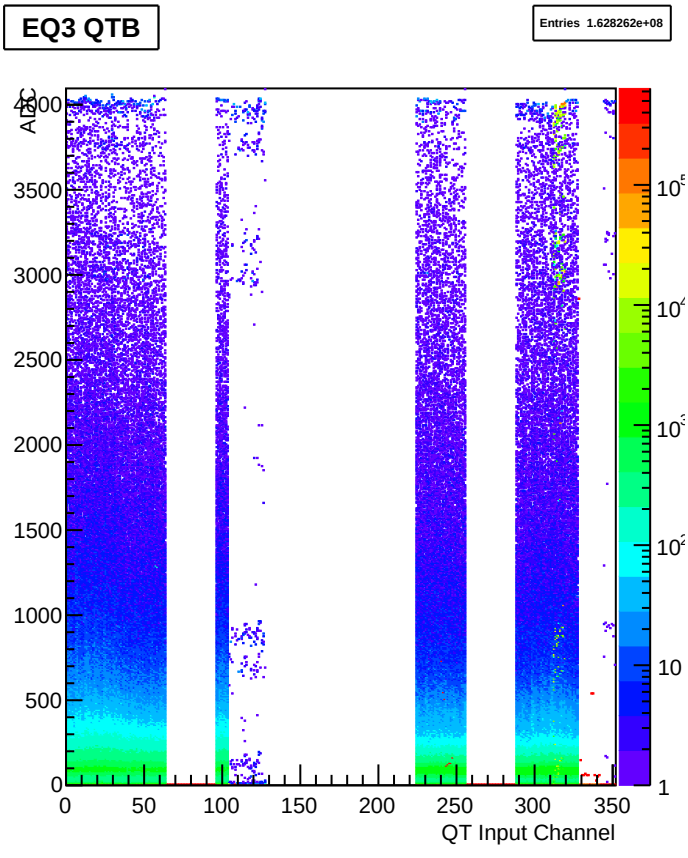

EQ1 QTC
Entries 6.105984e+07
TADC
QT Input Channel

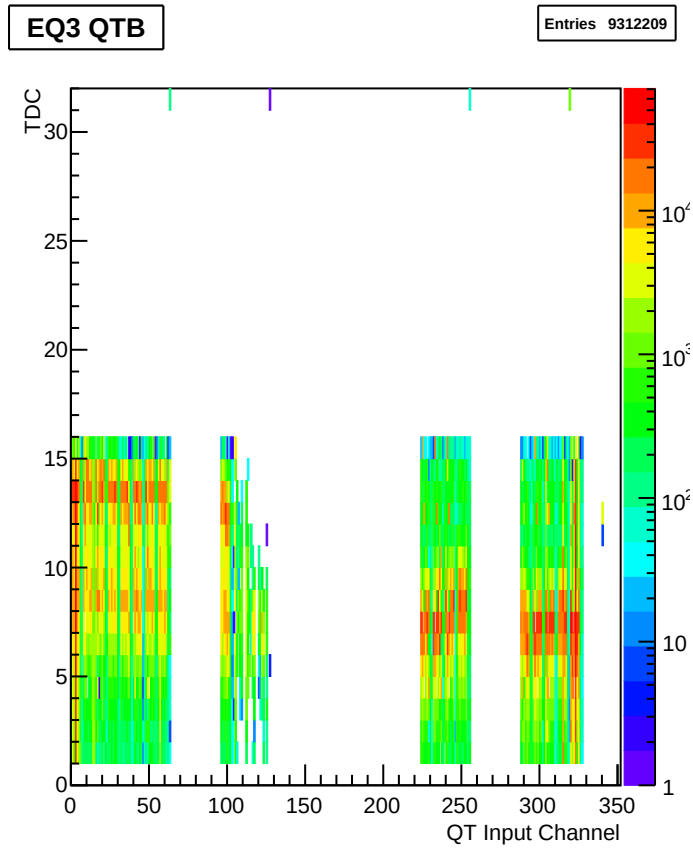

EQ2 QTB
Entries 1.831795e+08
ADC
QT Input Channel

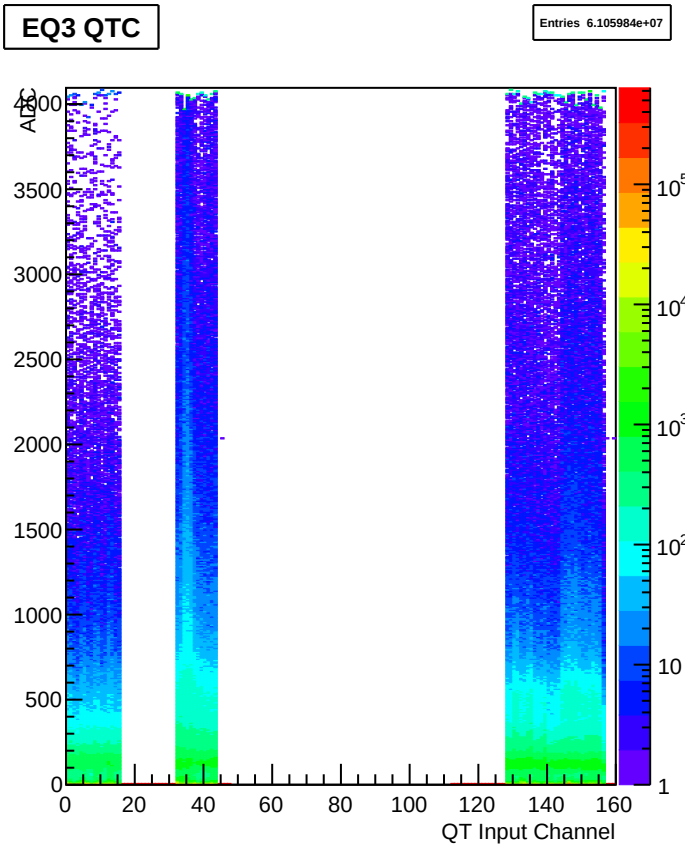

EQ2 QTB
Entries 1.006118e+07
TDC
QT Input Channel

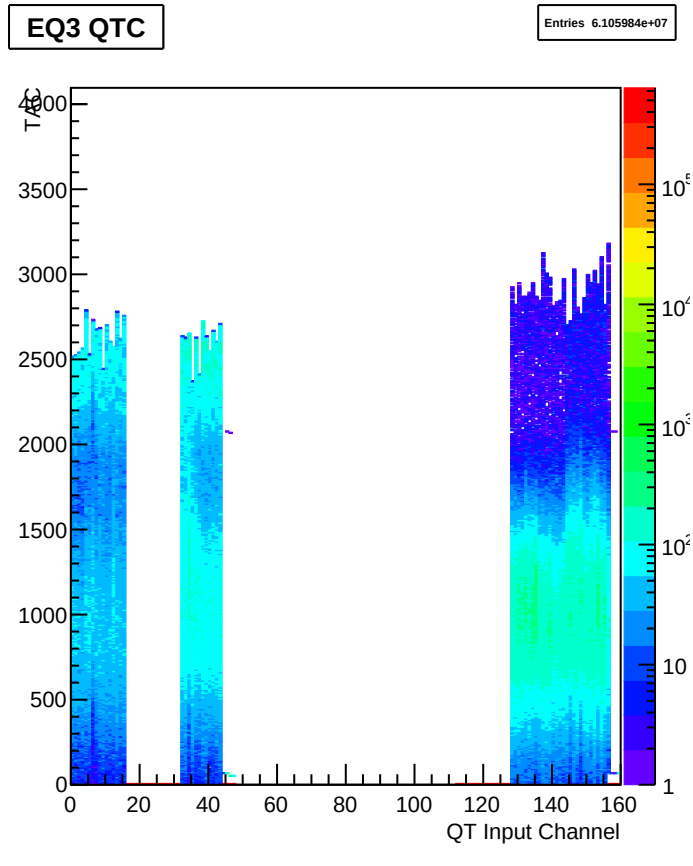

EQ2 QTC
Entries 6.105984e+07
ADC
QT Input Channel

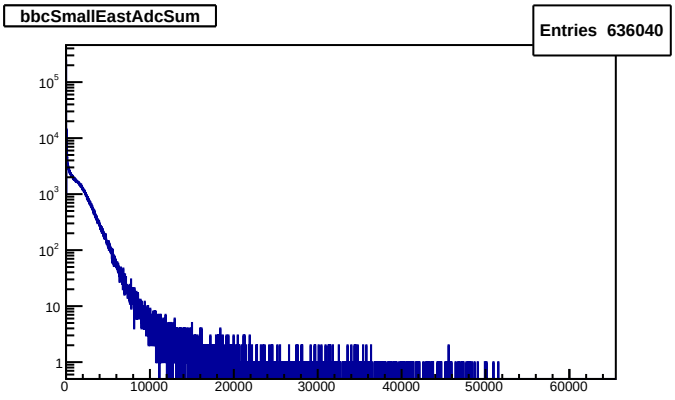

EQ2 QTC
Entries 6.105984e+07
TADC
QT Input Channel

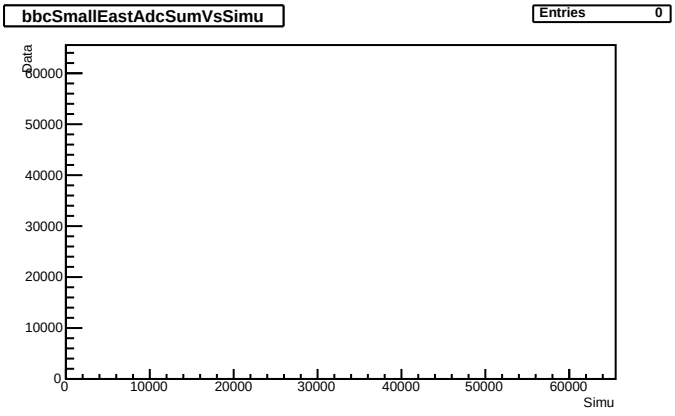

EQ3 QTB
Entries 1.628262e+08
ADC
QT Input Channel

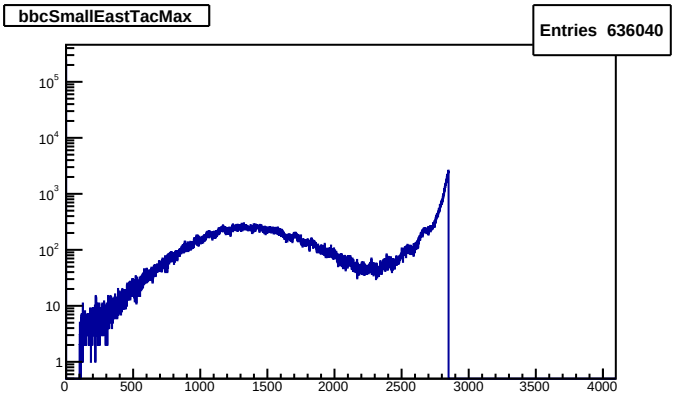

EQ3 QTB
Entries 9312209
TDC
QT Input Channel

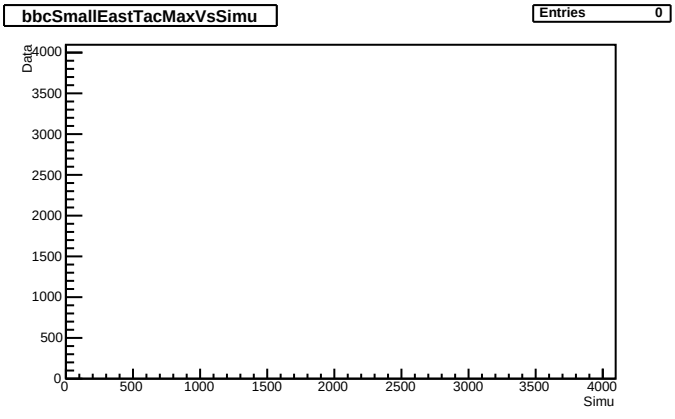

EQ3 QTC
Entries 6.105984e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.105984e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 636040


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 636040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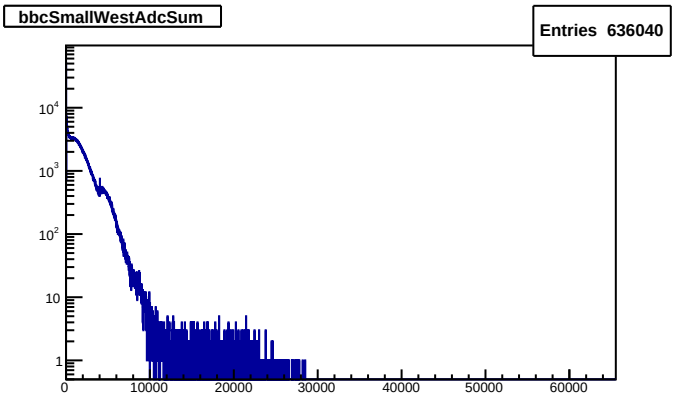
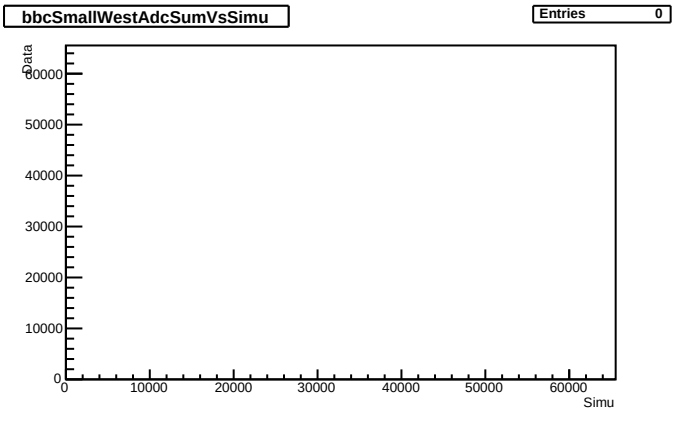
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 636040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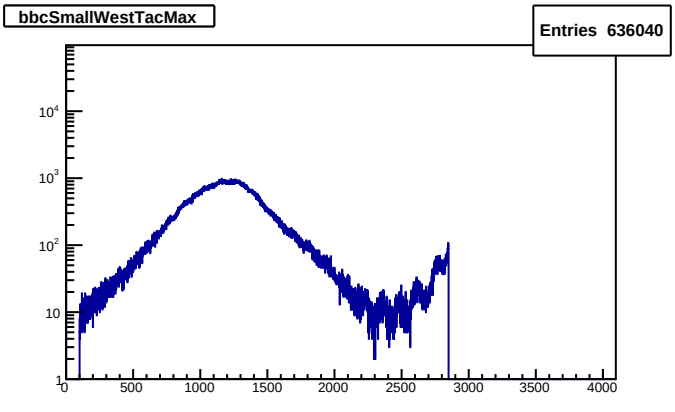
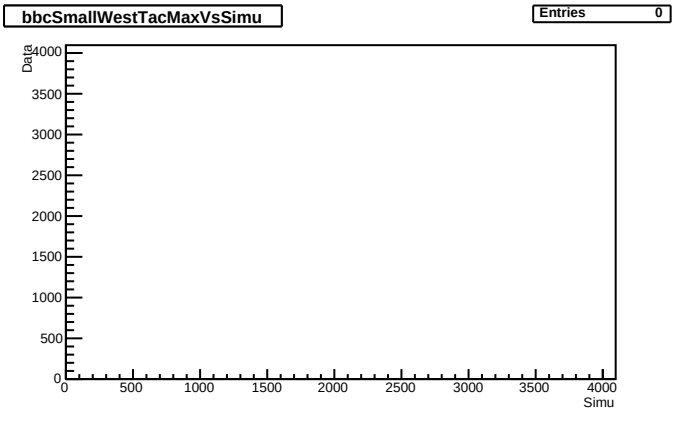
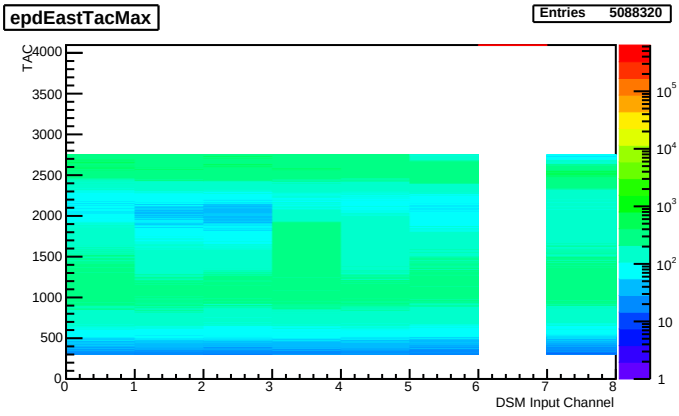
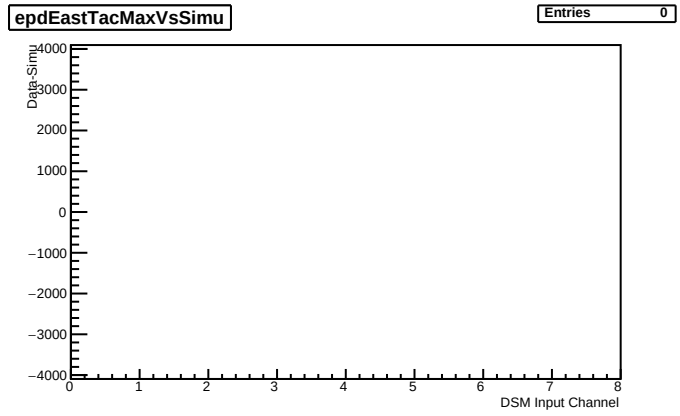
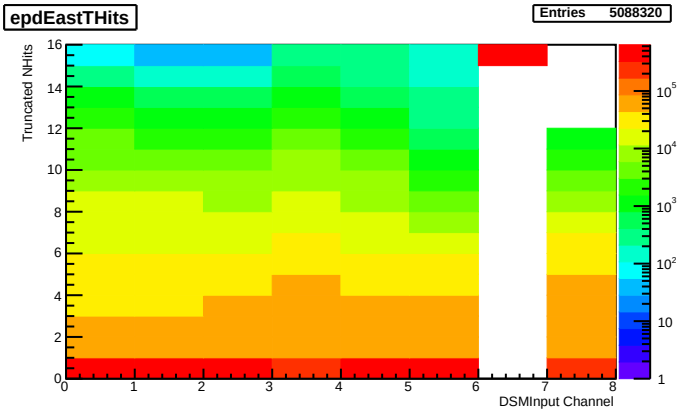
Entries 0
Data
Simu

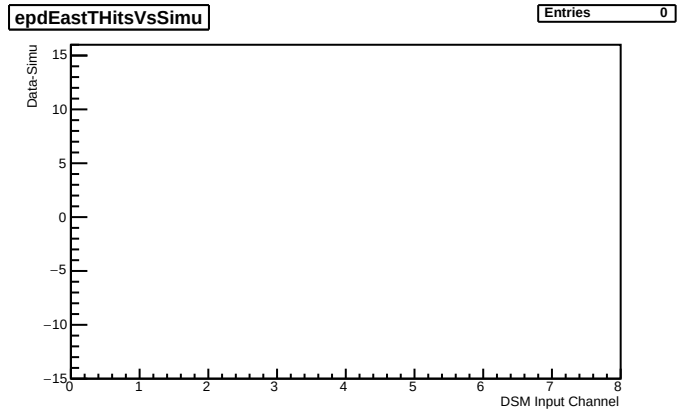

bbcSmallWestTacMax
Entries 636040


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5088320
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5088320
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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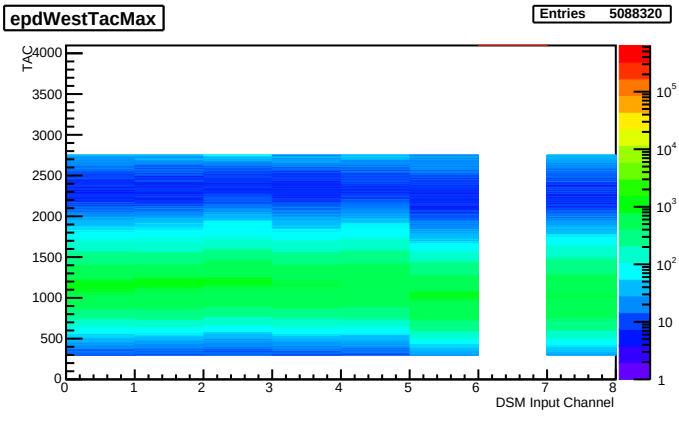
Data-Simu
DSM Input Channel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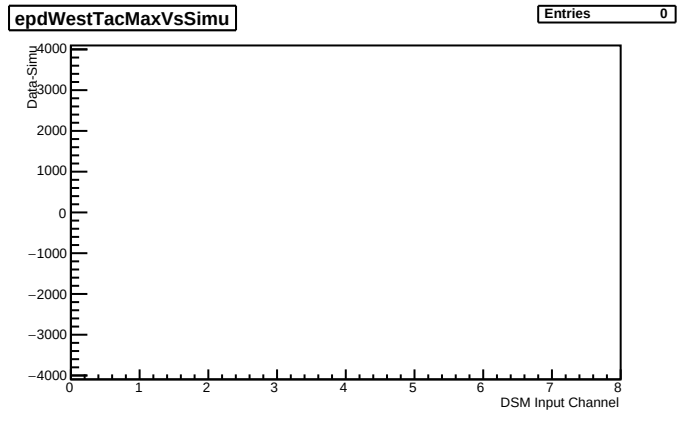
Entries 5088320
TAC
DSM Input Channel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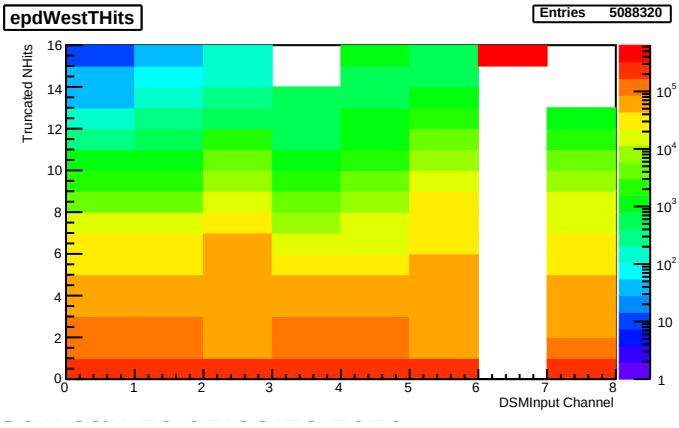
Entries 0
Data-Simu
DSM Input Channel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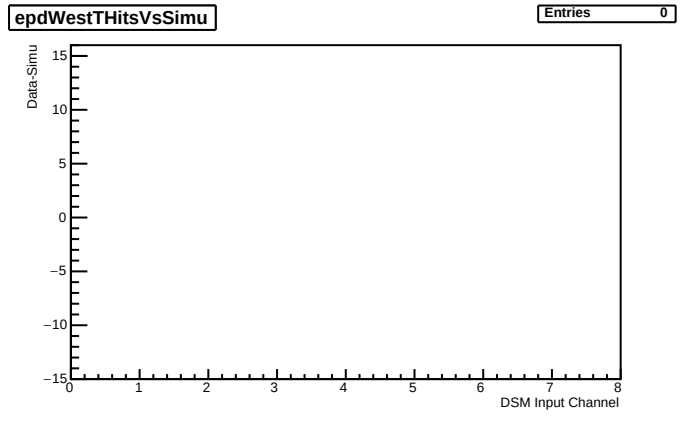
Entries 5088320
Truncated NHits
DSMInput Channel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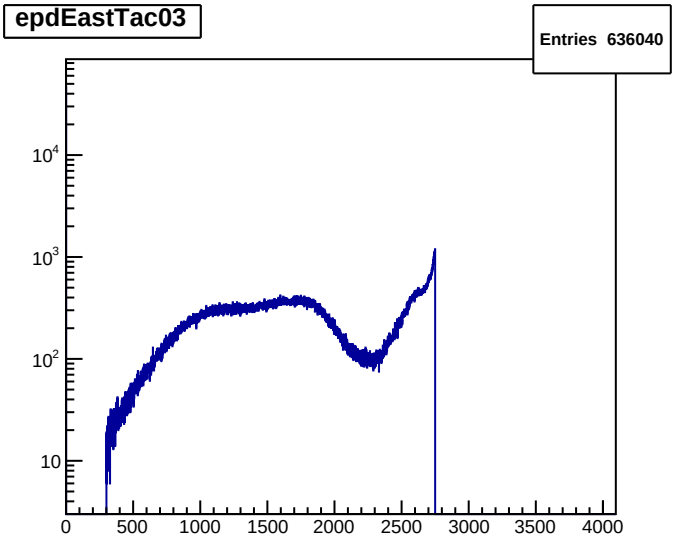
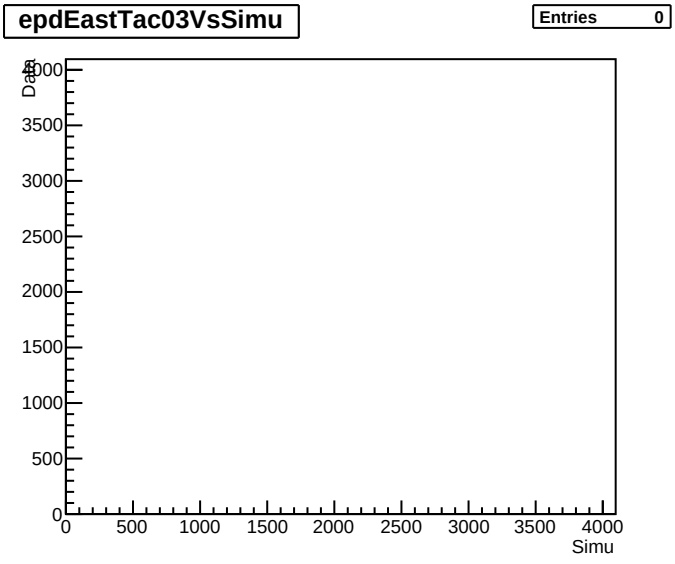
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 636040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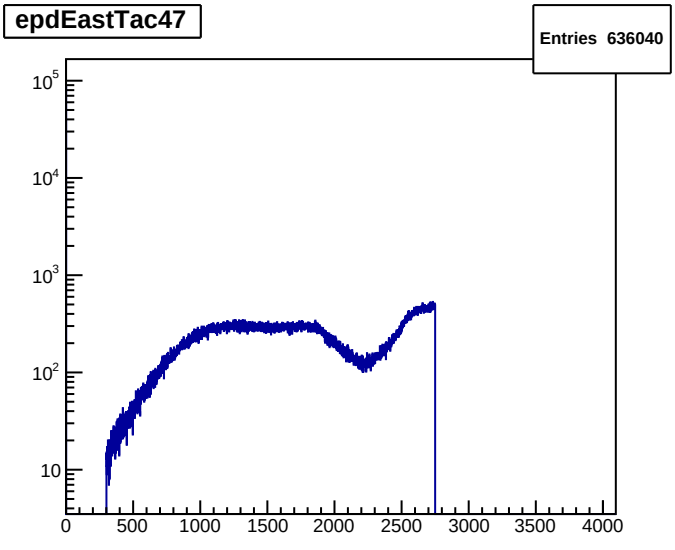
Entries 0
Data
Simu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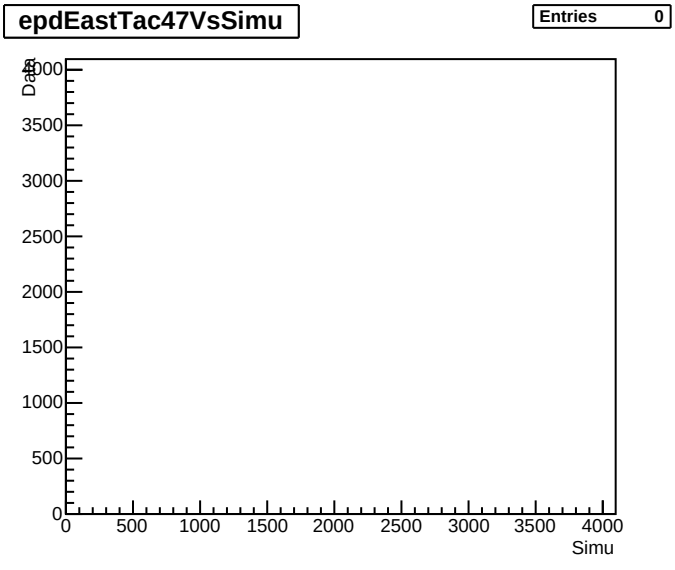
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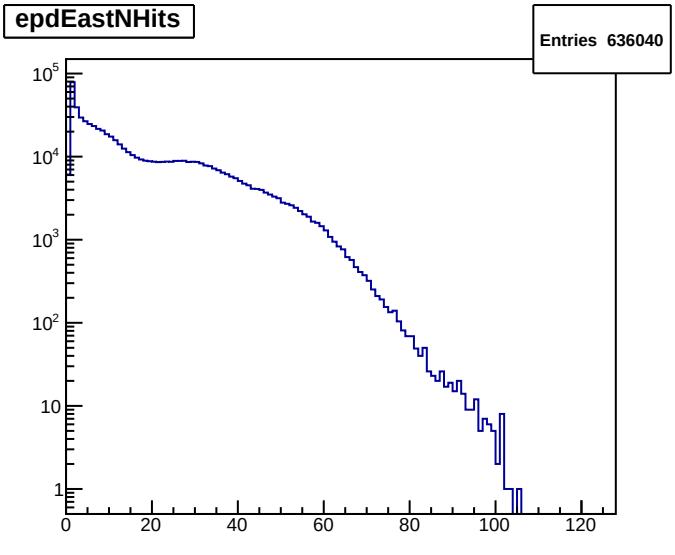
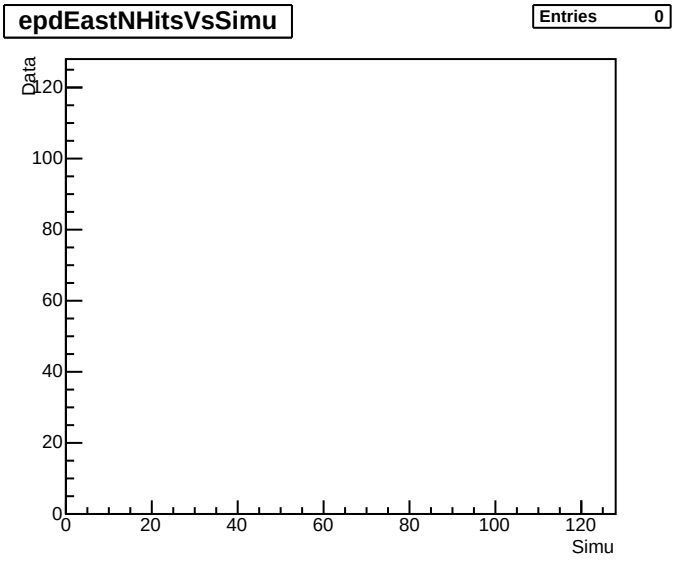
Entries 0
Data
Simu


epdEastNHits
Entries 636040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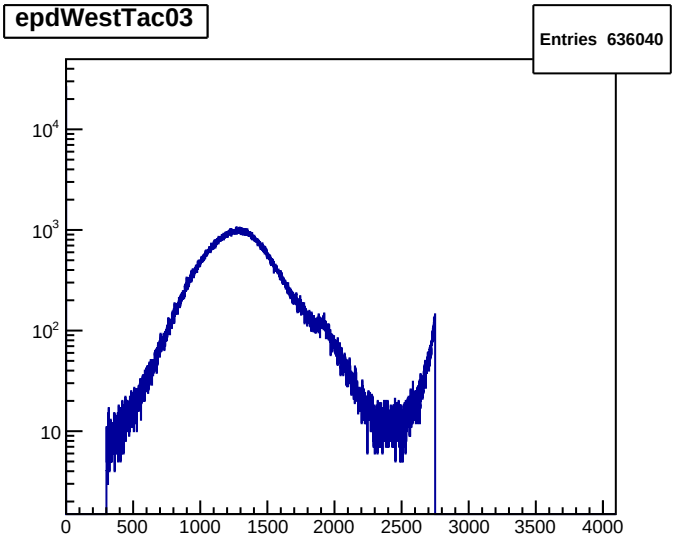
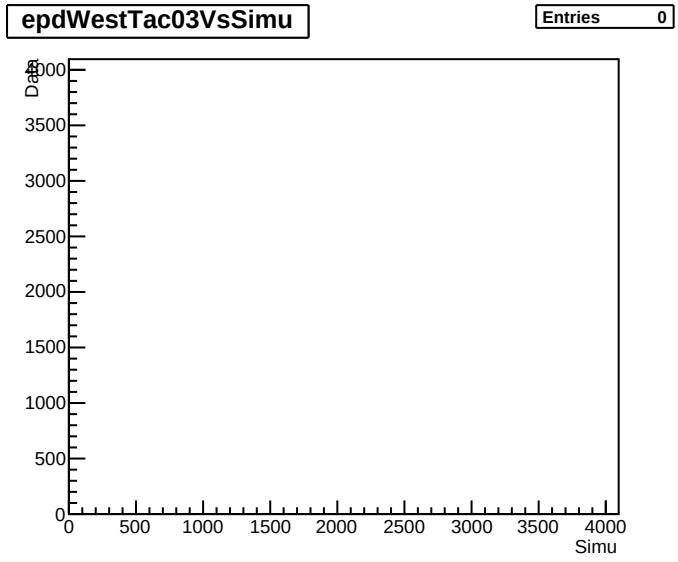
Entries 0
Data
Simu


epdWestTac03
Entries 636040
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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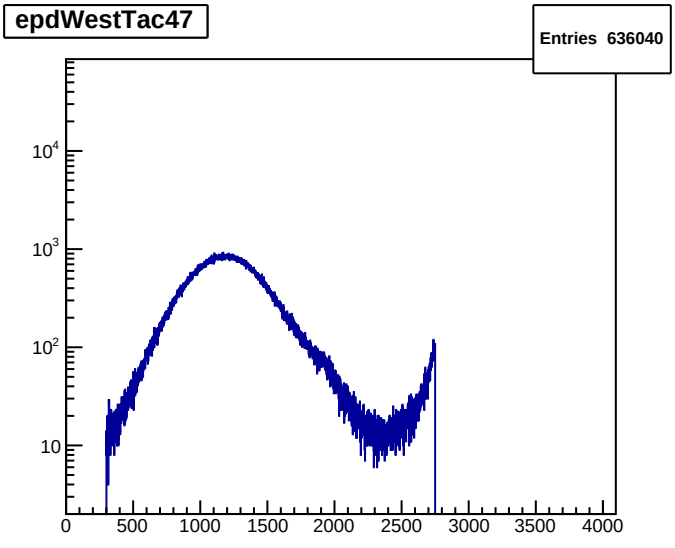
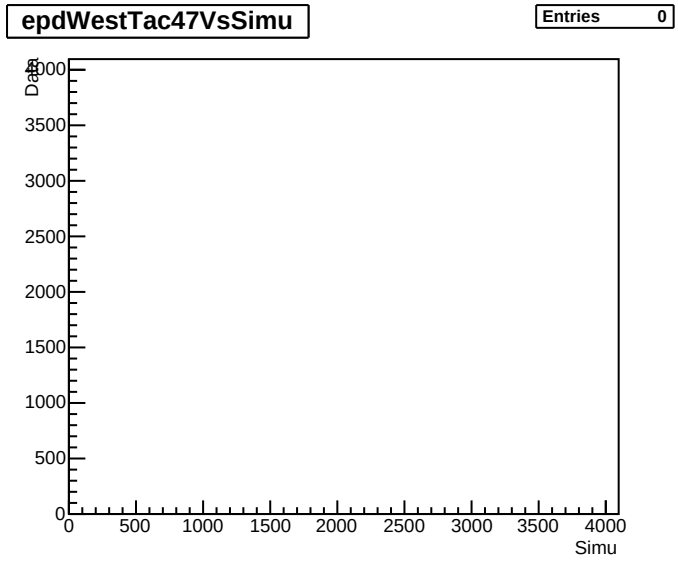
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 636040
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac47VsSimu
Entries 0
Data
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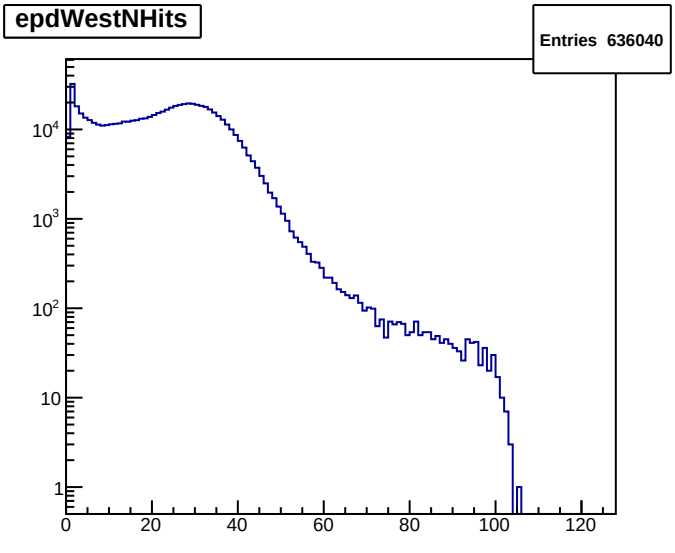
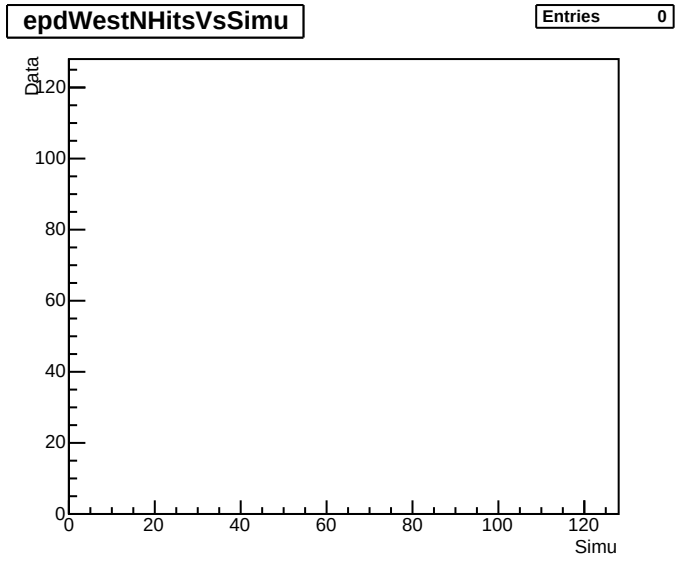
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestNHits
Entries 636040
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


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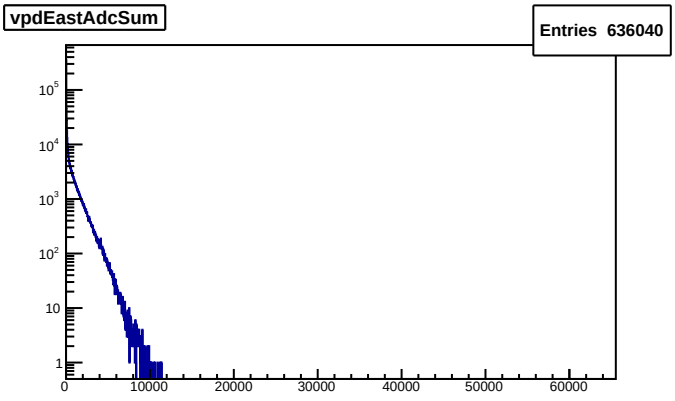
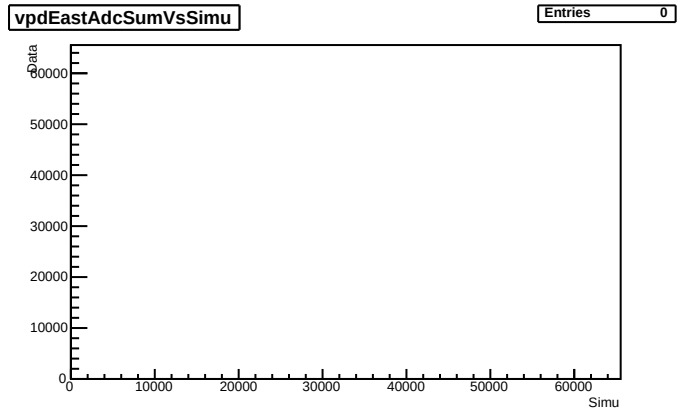
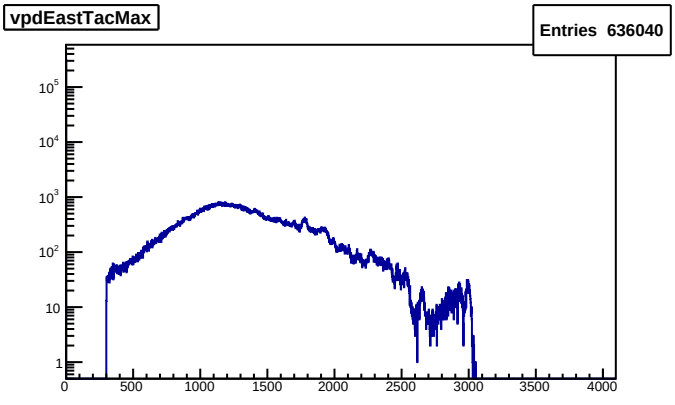
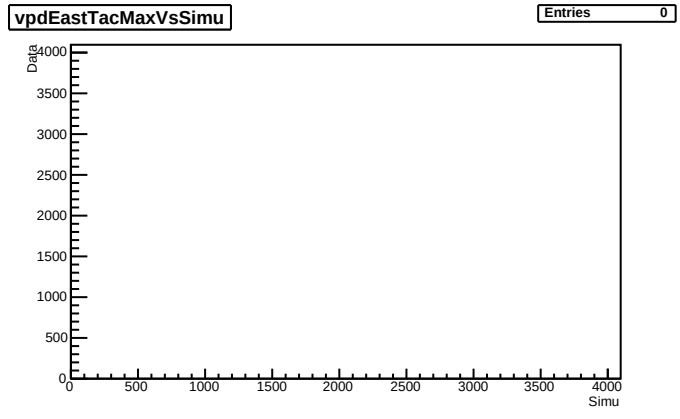
0 20 40 60 80 100 120
Simu


vpdEastAdcSum
Entries 636040


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 636040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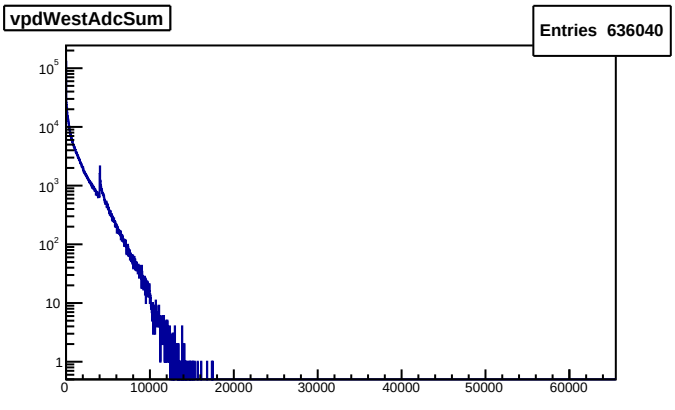
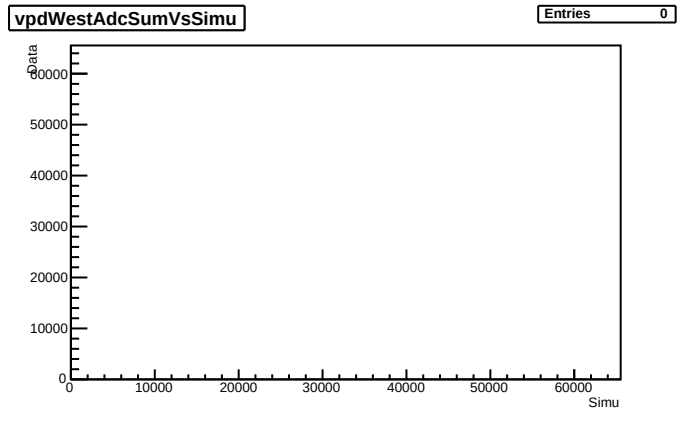
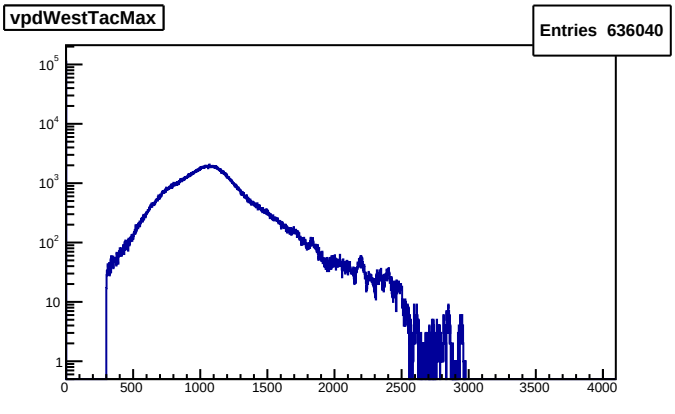
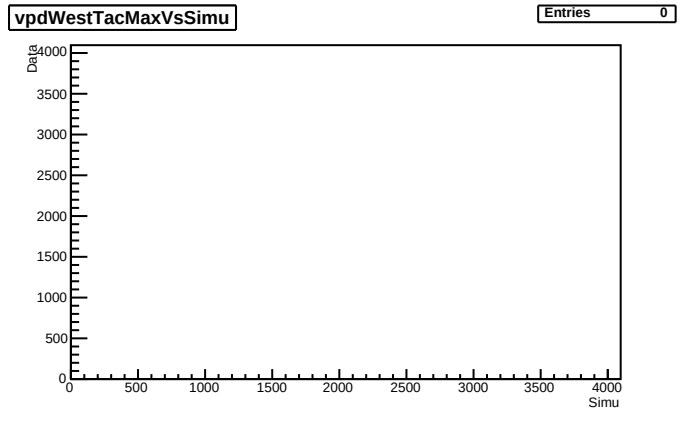
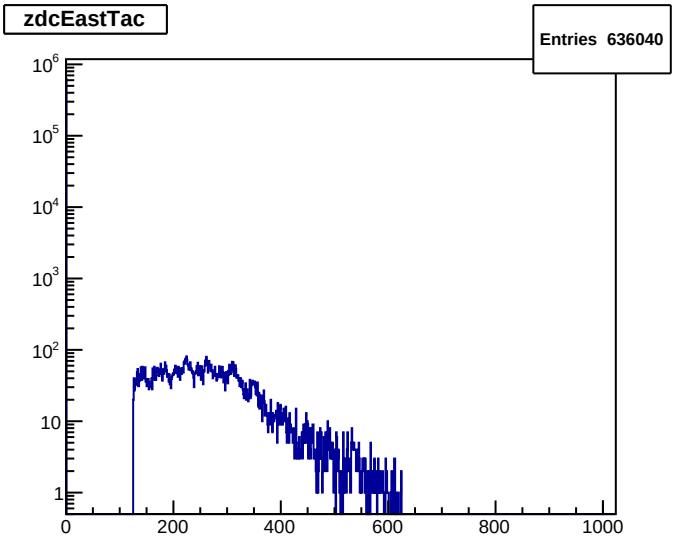
Entries 0
Data
Simu

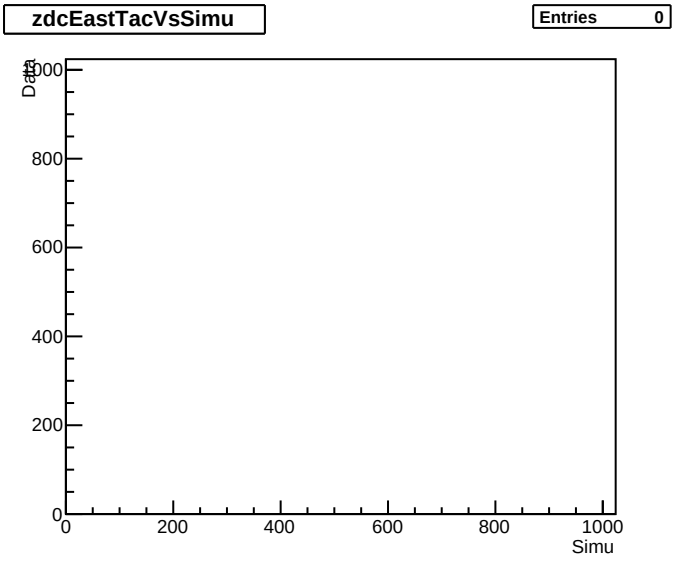

vpdWestAdcSum
Entries 636040

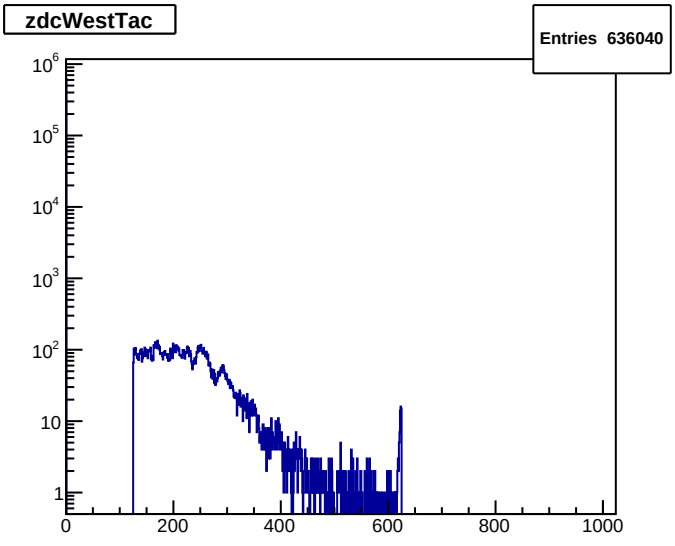

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

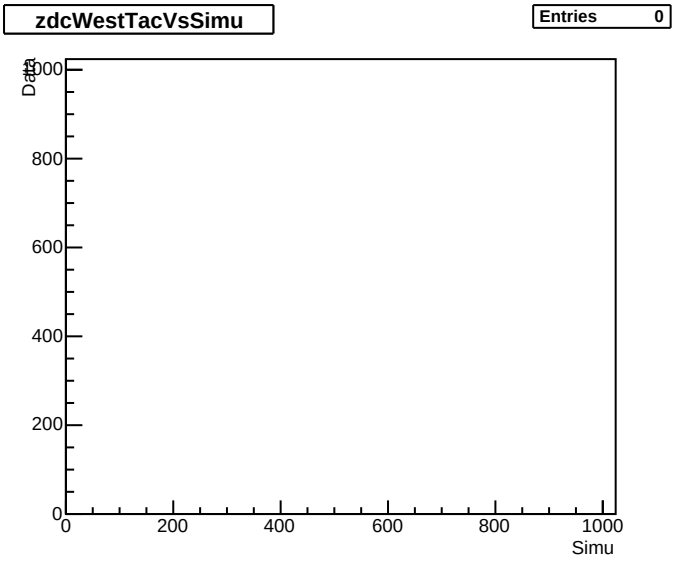

vpdWestTacMax
Entries 636040

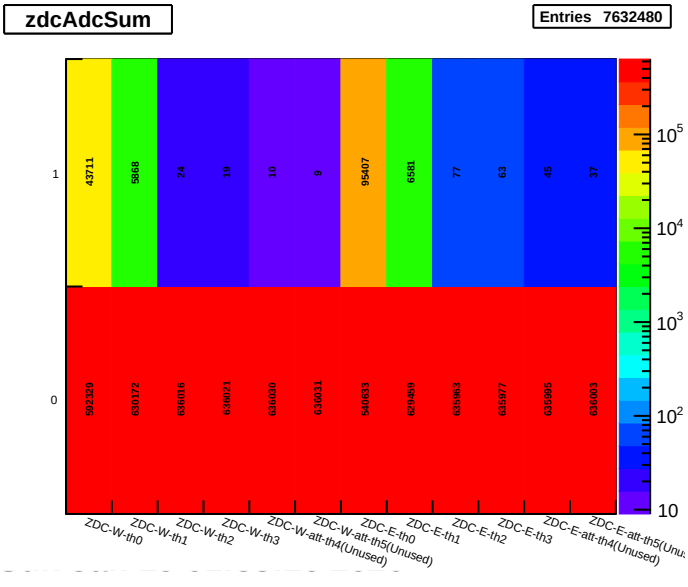

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

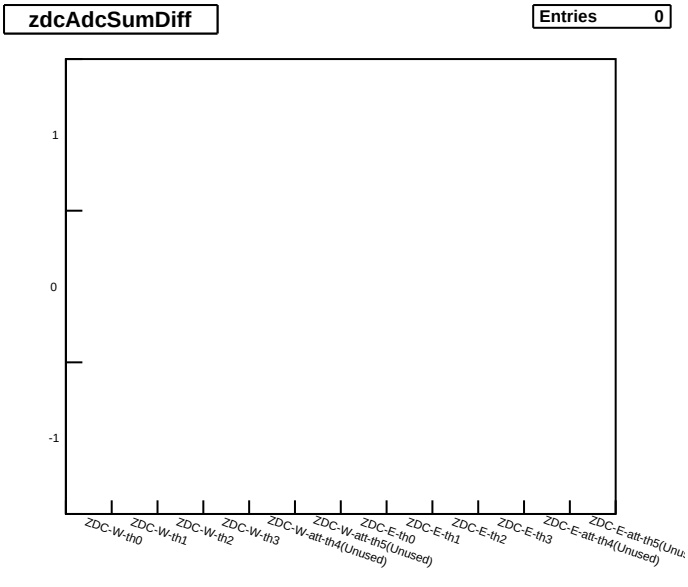

zdcEastTac
Entries 636040

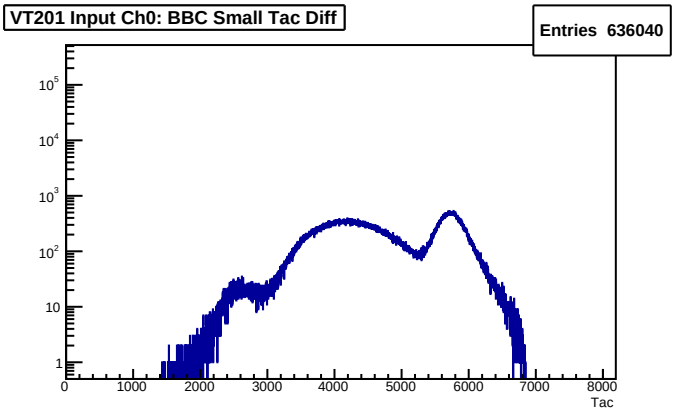

zdcEastTacVsSimu
Entries 0
Data
Simu

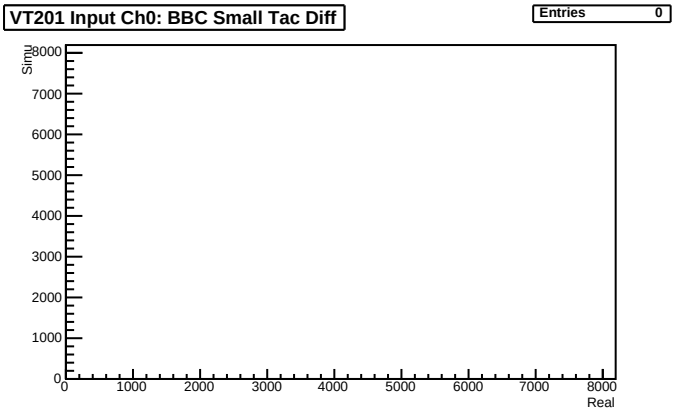

zdcWestTac
Entries 636040

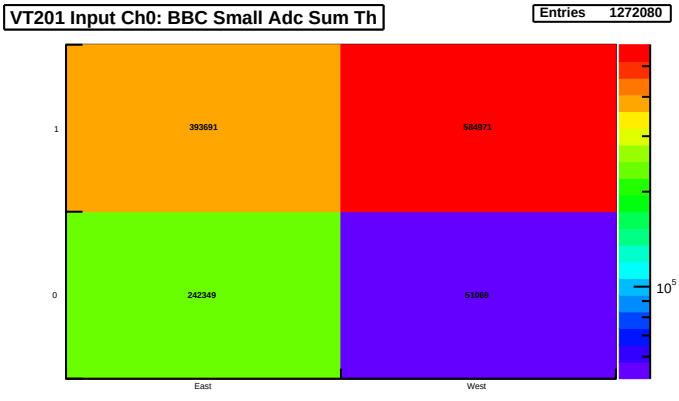

zdcWestTacVsSimu
Entries 0
Data
Simu

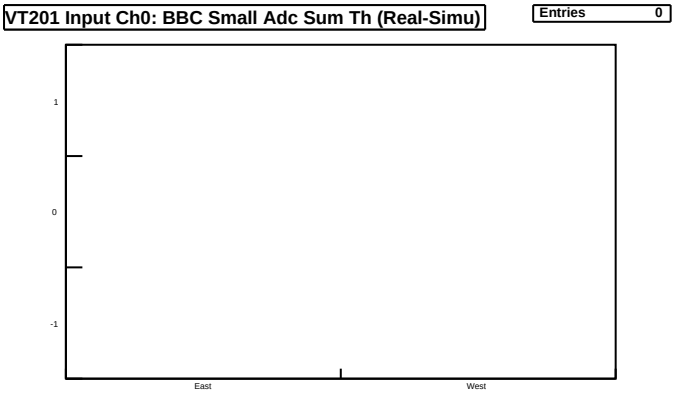

zdcAdcSum
Entries 7632480
43711
5668
24
19
10
9
95407
6581
77
63
45
37
592329
630172
636016
636021
636030
636031
540633
629459
635963
635977
635995
636003
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

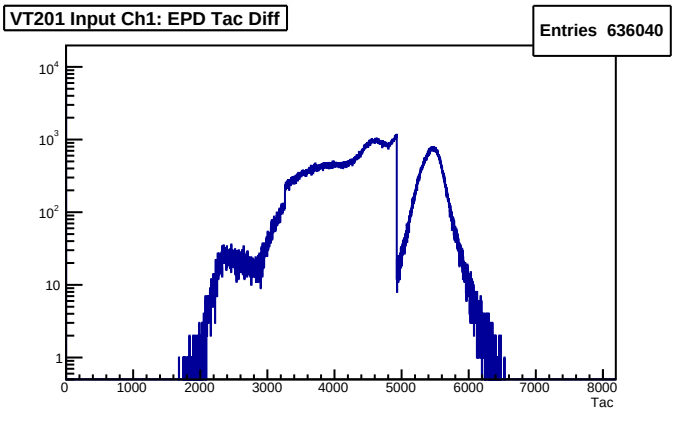

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

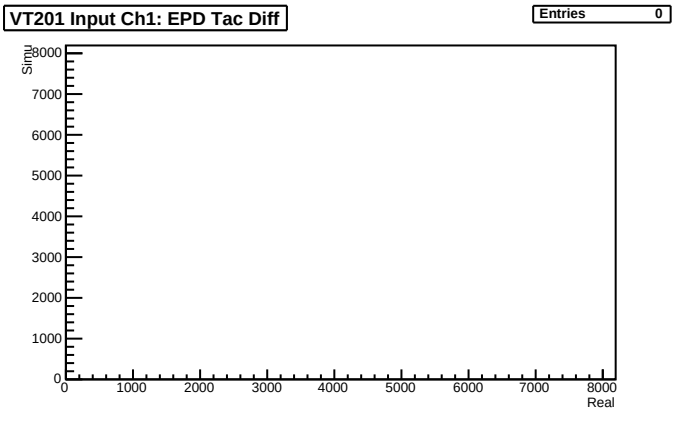

VT201 Input Ch0: BBC Small Tac Diff
Entries 636040
Tac

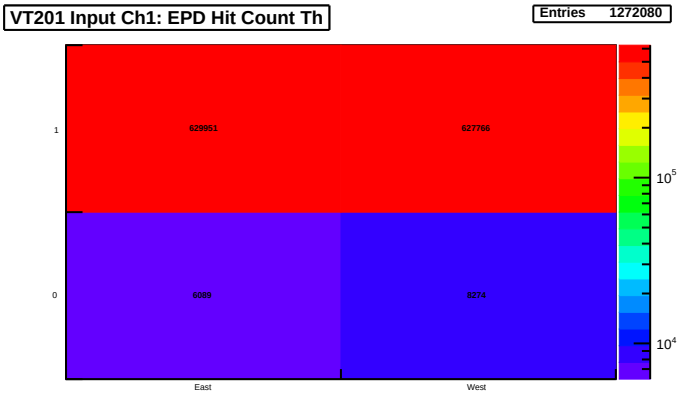

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

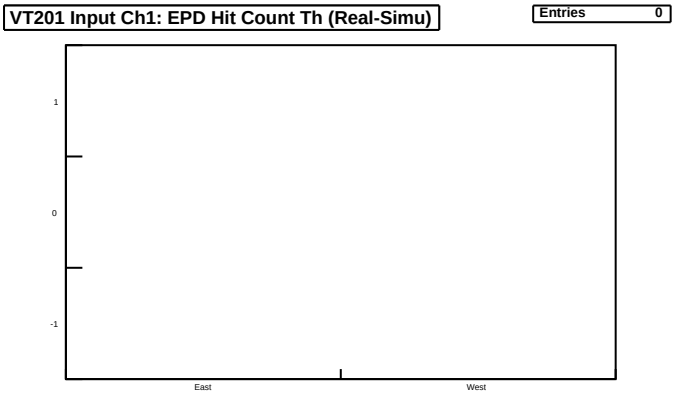

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1272080
393691
584971
242349
51069
East
West

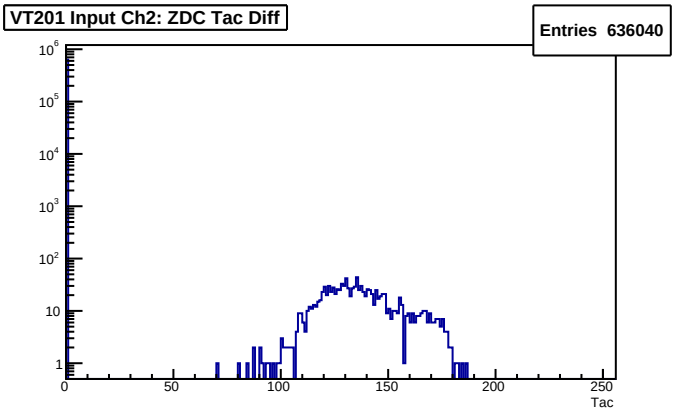

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

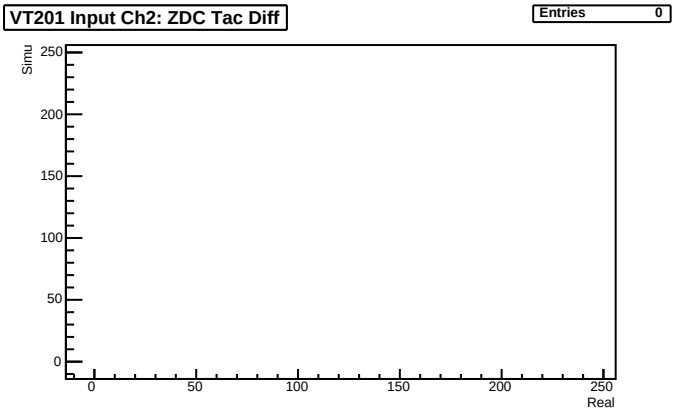

VT201 Input Ch1: EPD Tac Diff
Entries 636040
Tac

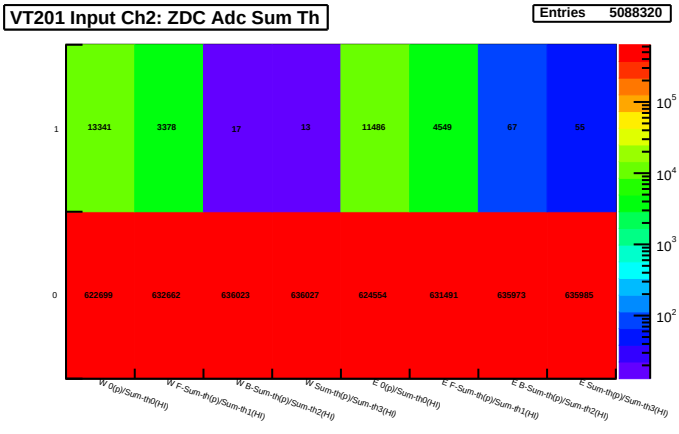

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

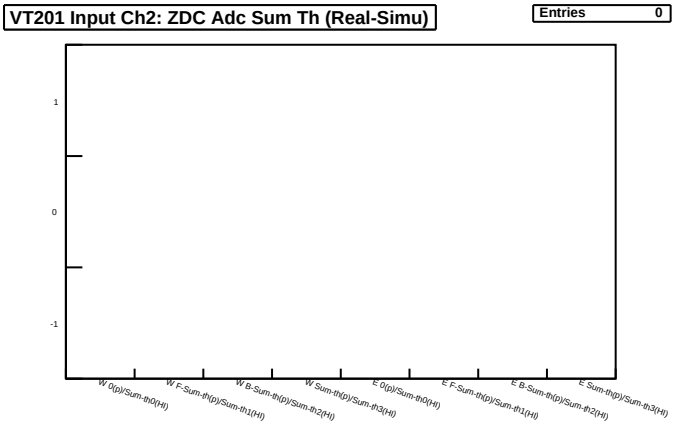

VT201 Input Ch1: EPD Hit Count Th
Entries 1272080
629951
627766
6089
8274
East
West

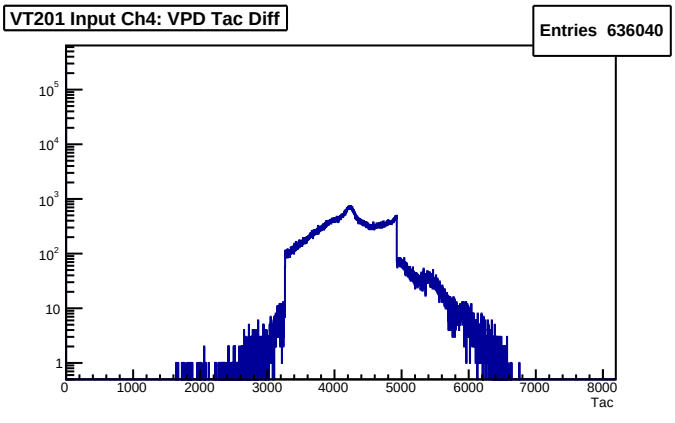

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

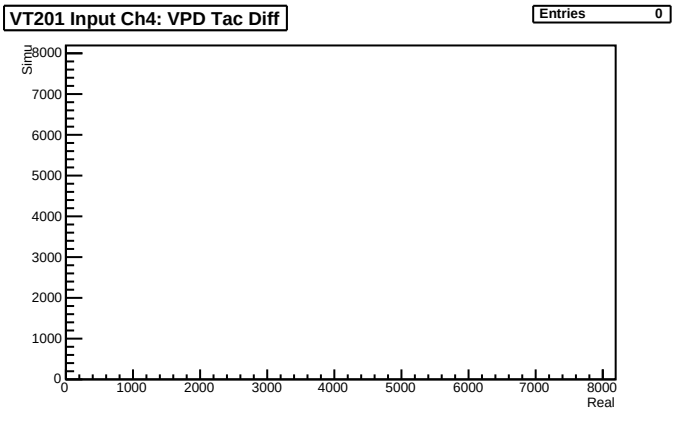

VT201 Input Ch2: ZDC Tac Diff
Entries 636040
Tac

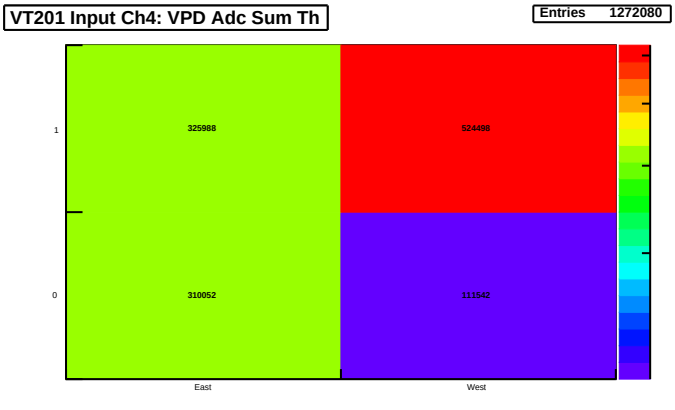

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

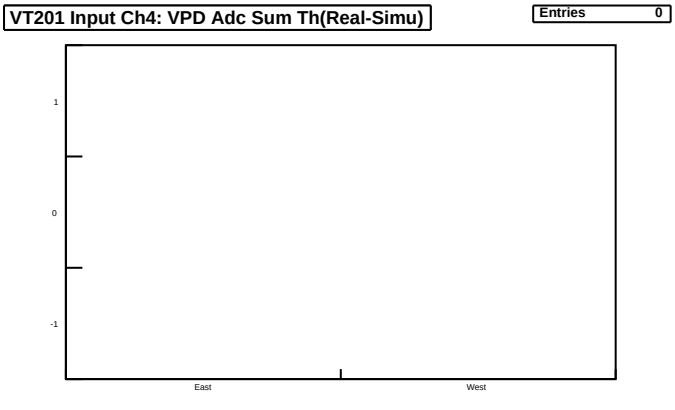

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5088320
13341
3378
17
13
11486
4549
67
55
622699
632662
636023
636027
624554
631491
635973
635985
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

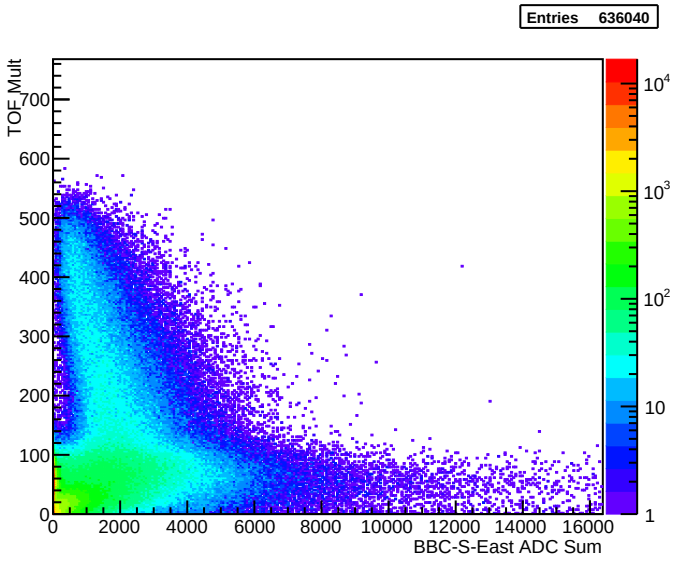

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

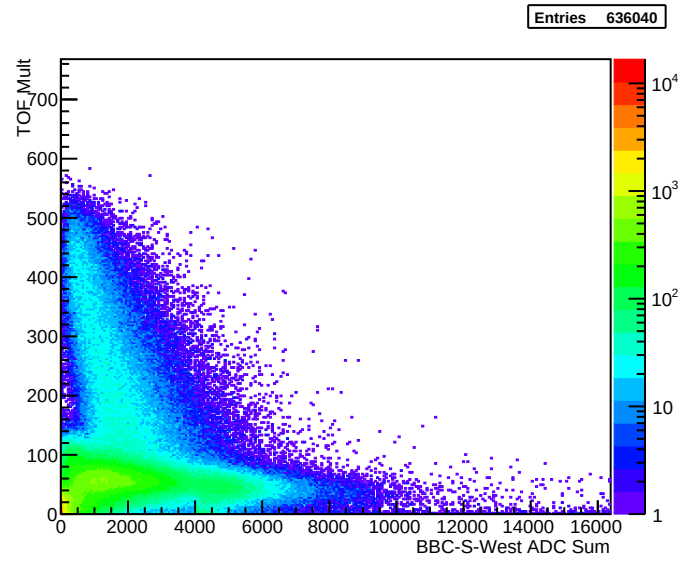

VT201 Input Ch4: VPD Tac Diff
Entries 636040
Tac

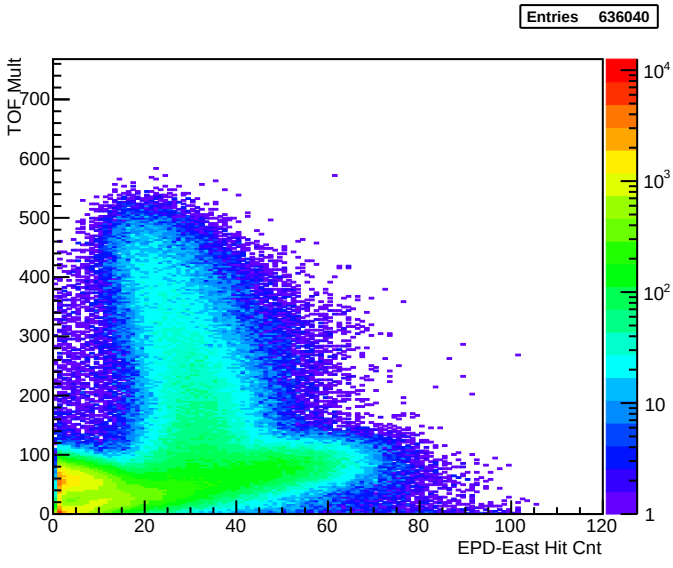

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

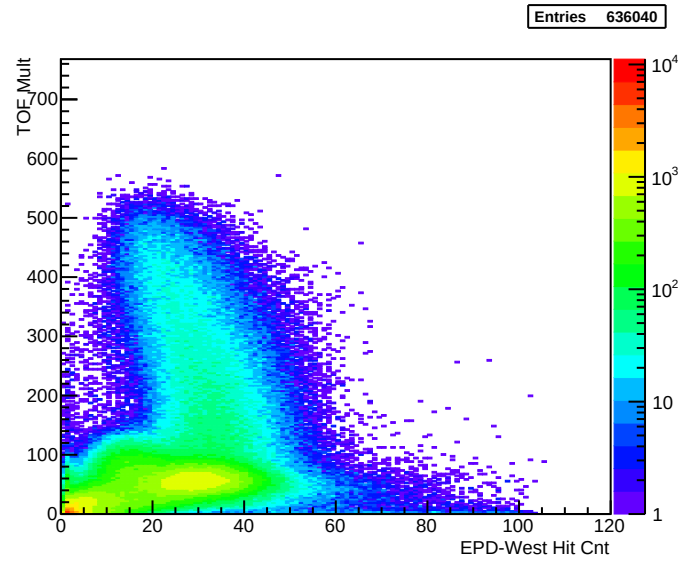

VT201 Input Ch4: VPD Adc Sum Th
Entries 1272080
325988
524498
310052
111542
East
West

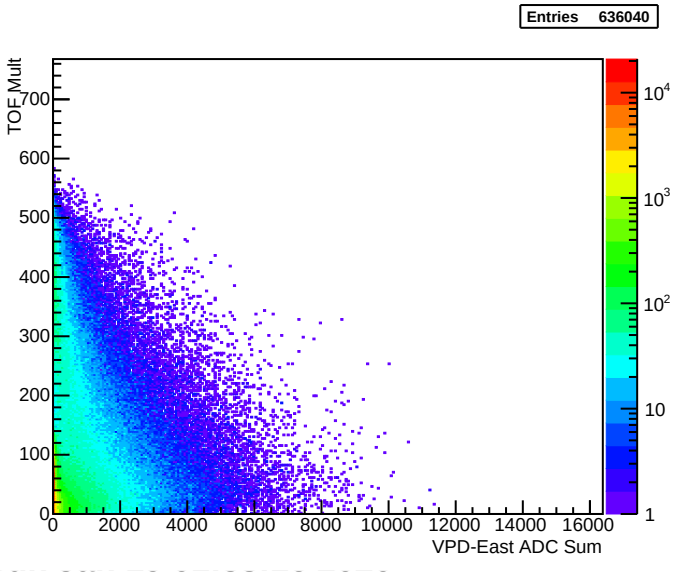

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

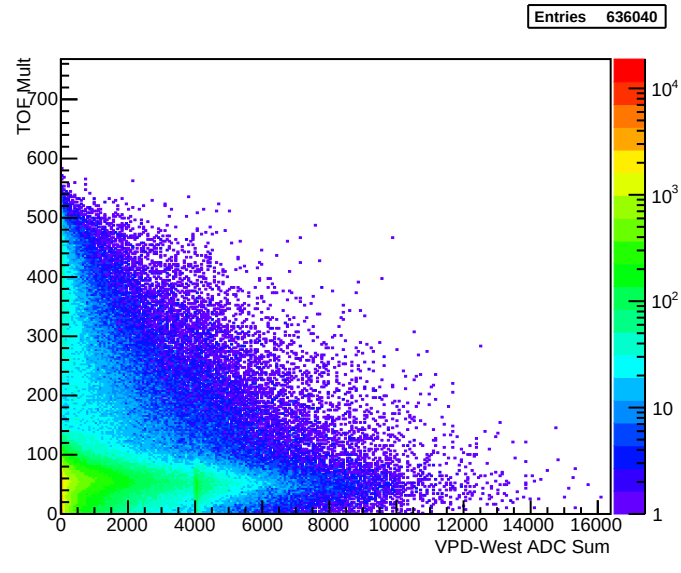

Entries 636040
TOF_Mult
BBC-S-East ADC Sum

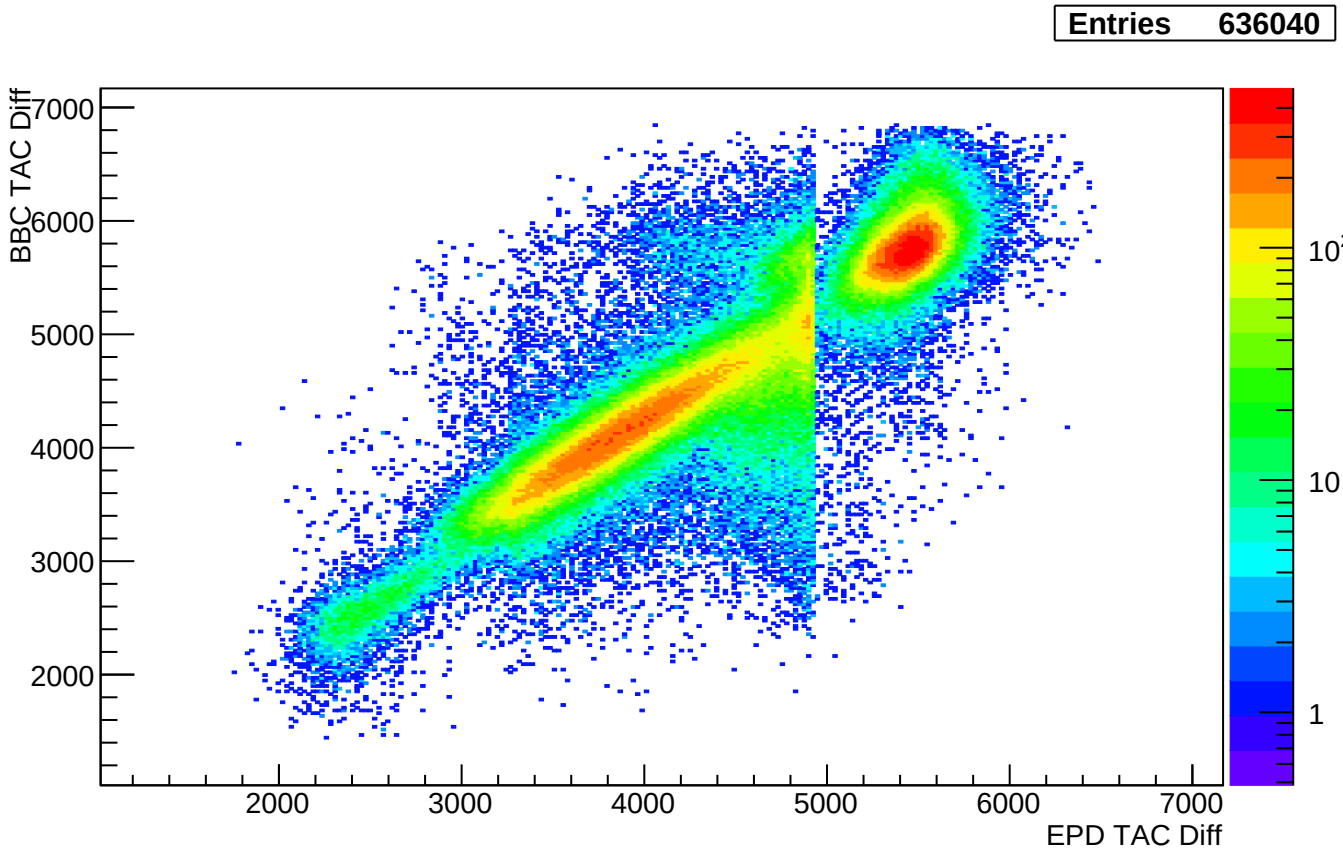

Entries 636040
TOF_Mult
BBC-S-West ADC Sum

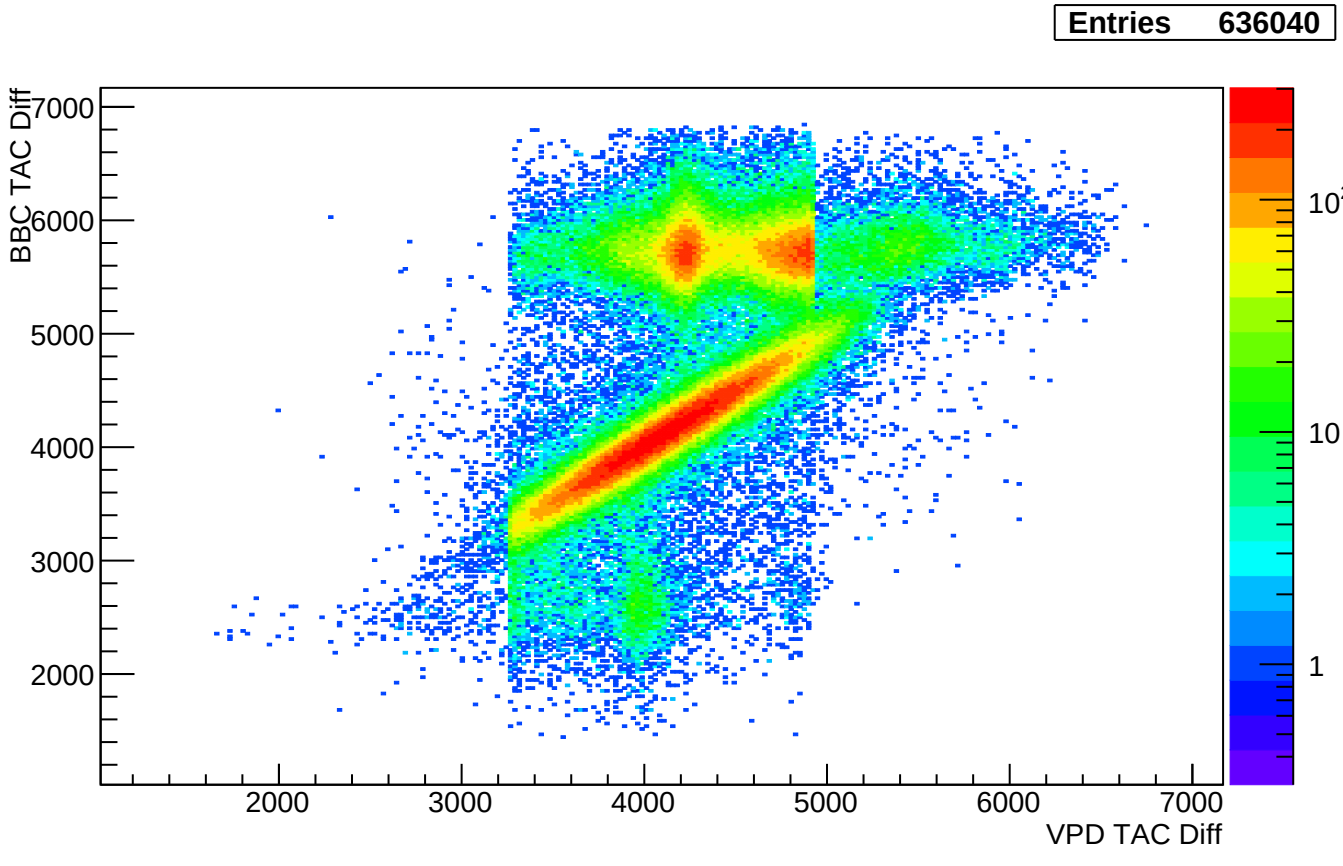

Entries 636040
TOF_Mult
EPD-East Hit Cnt

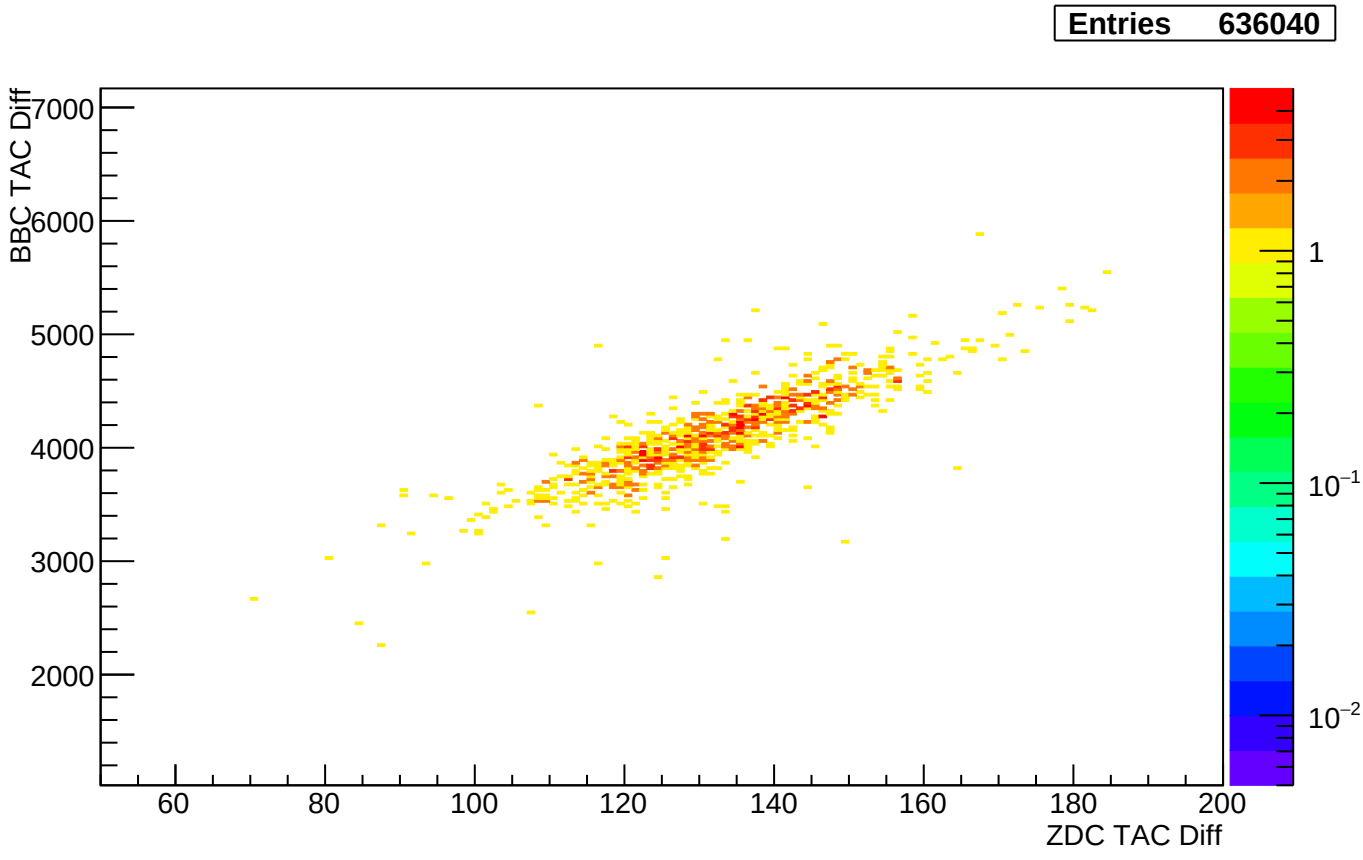

Entries 636040
TOF_Mult
EPD-West Hit Cnt

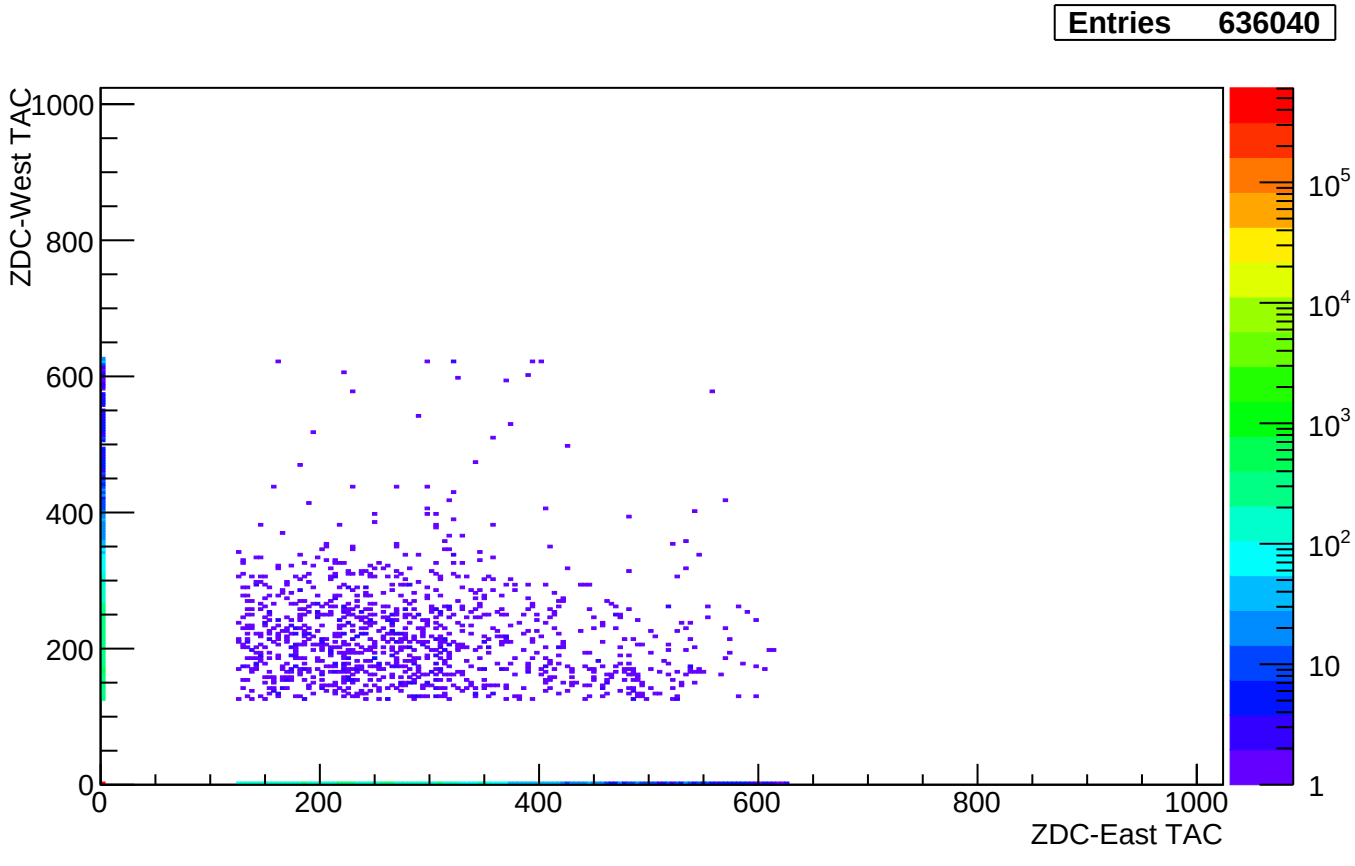

Entries 636040
TOF_Mult
VPD-East ADC Sum

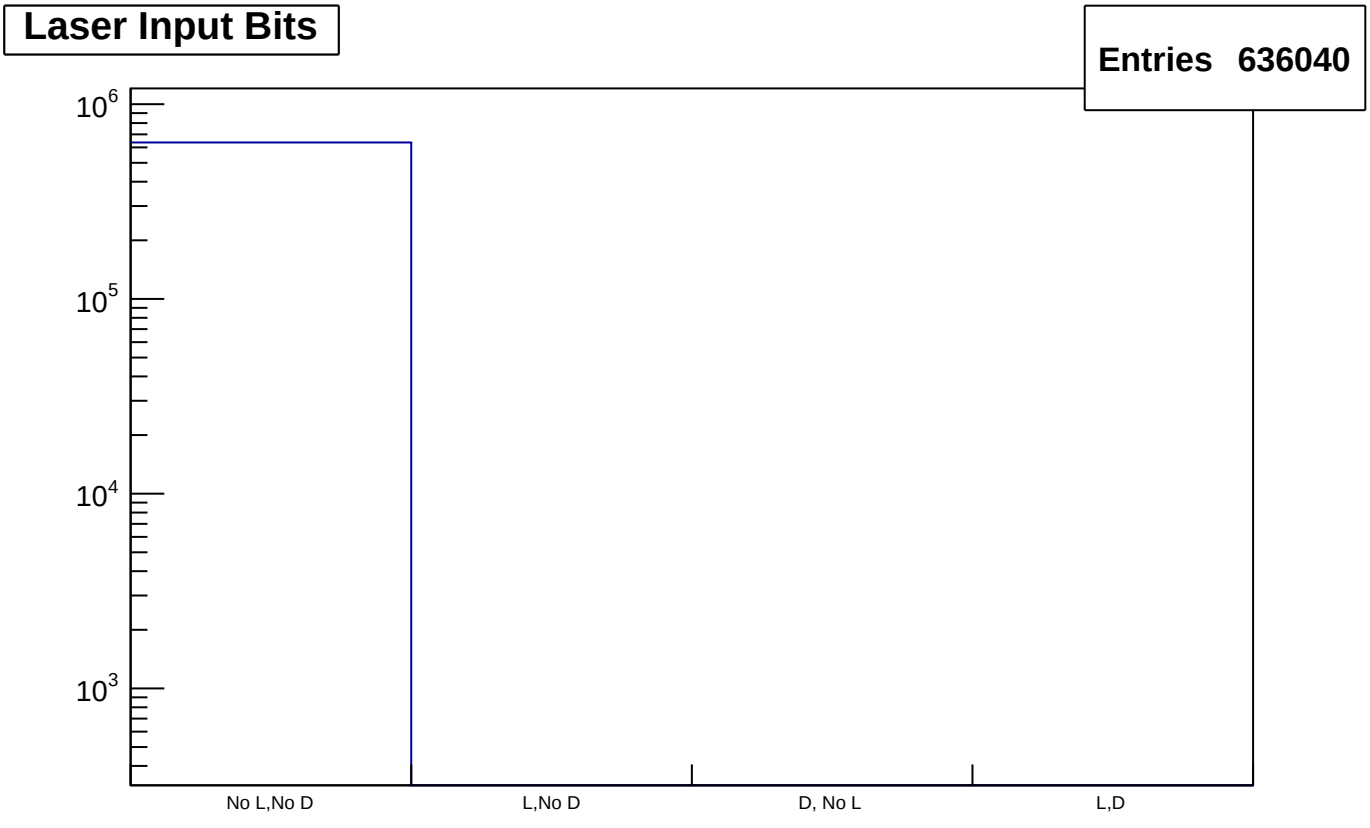

Entries 636040
TOF_Mult
VPD-West ADC Sum

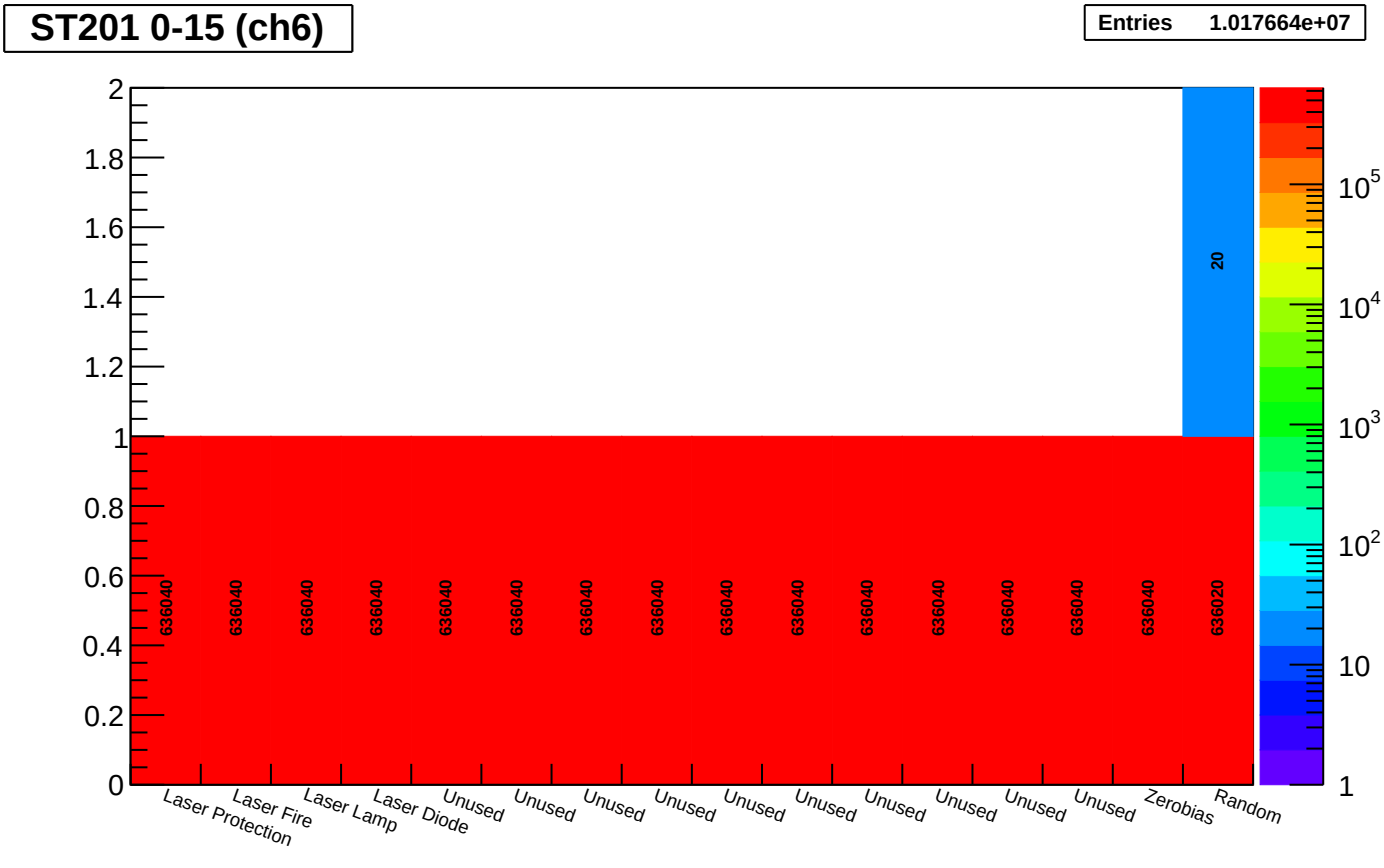

Entries 636040
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

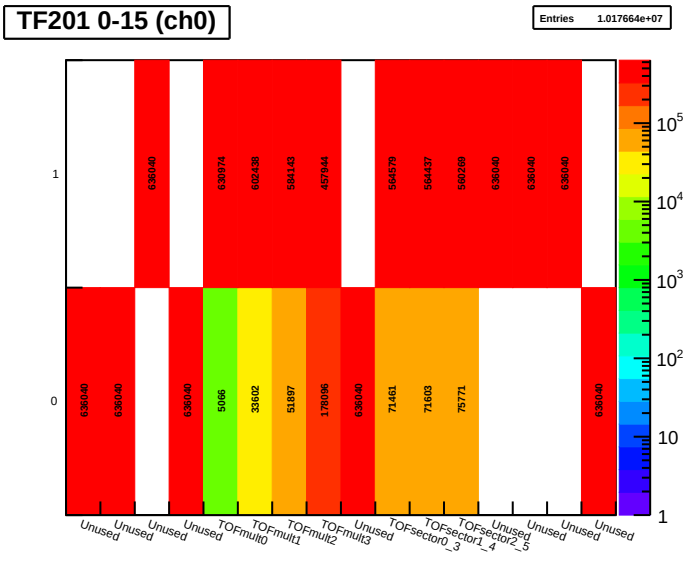

Entries 636040
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

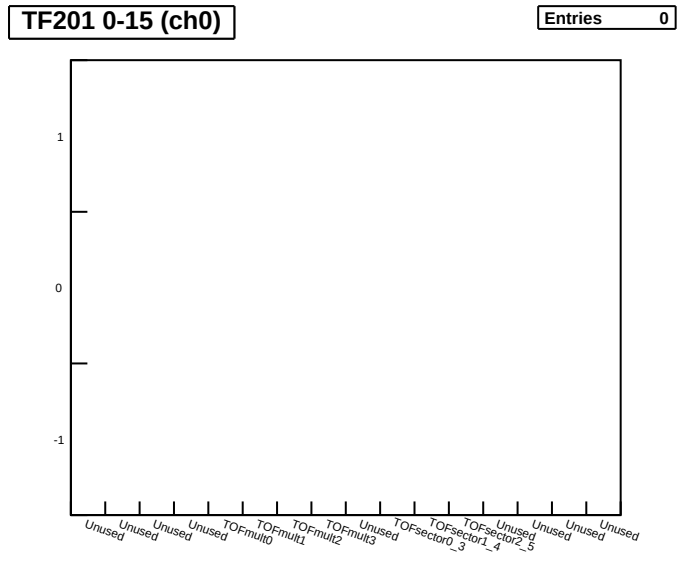

Entries 636040
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

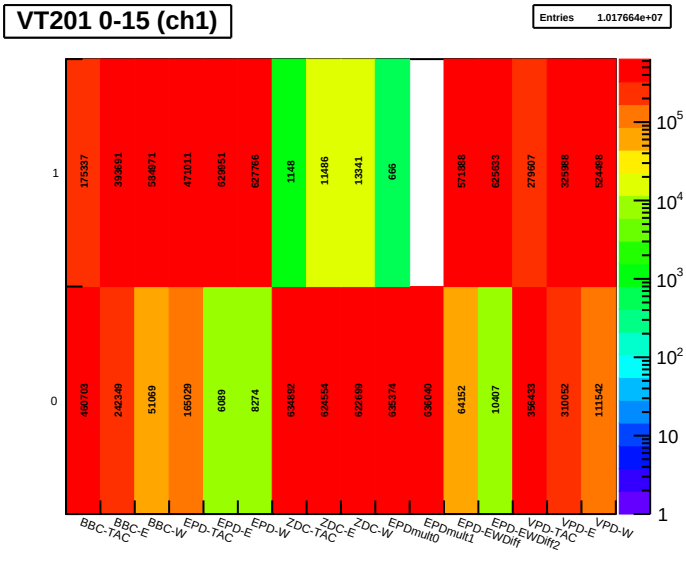

Entries 636040
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

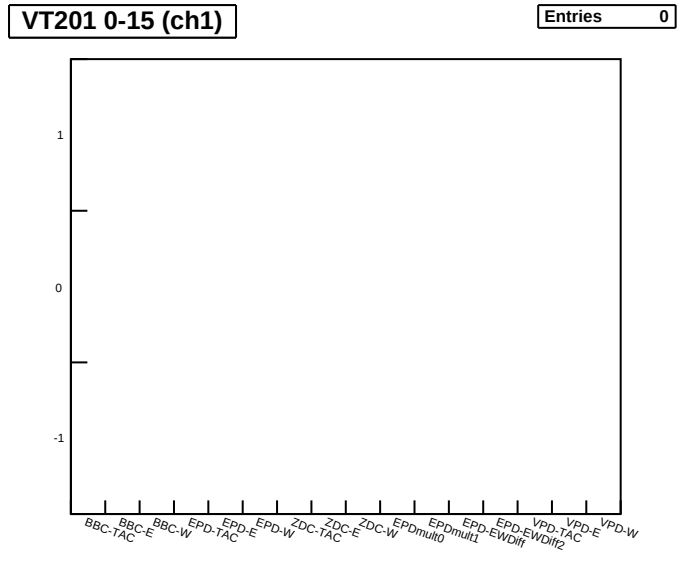

Laser Input Bits
Entries 636040
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

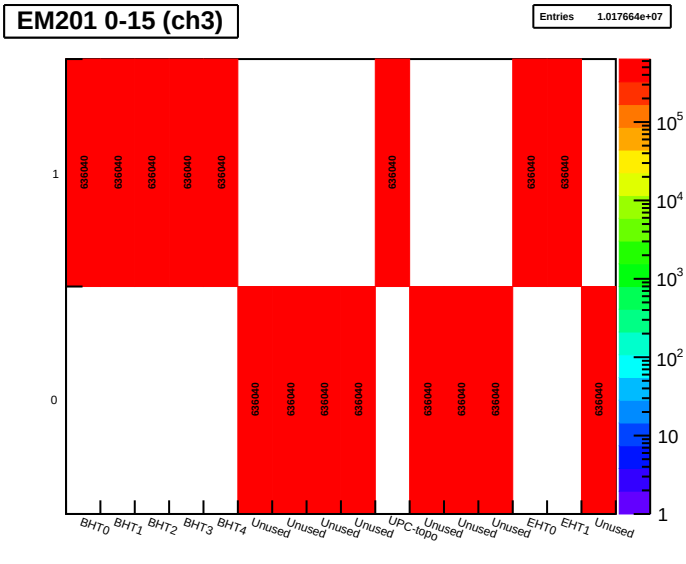

ST201 0-15 (ch6)
Entries 1.017664e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^5
10^4
10^3
10^2
10
1
20
636040
636020
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

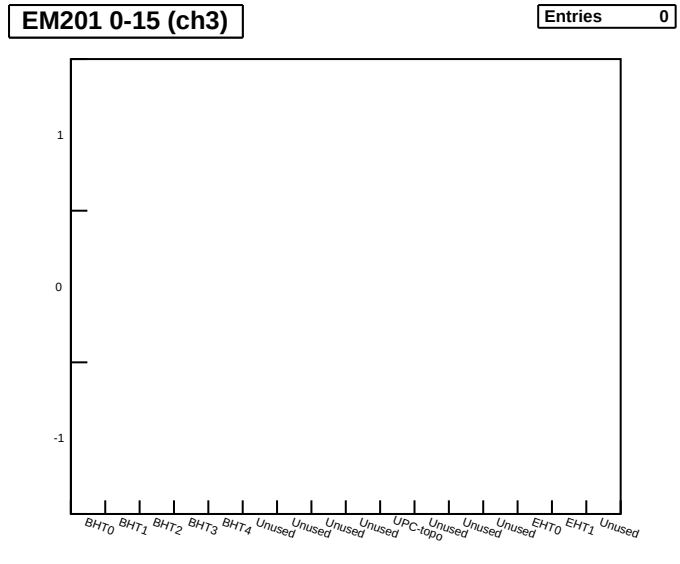

TF201 0-15 (ch0)
Entries 1.017664e+07
1
0
636040
630974
602438
584143
457944
564579
564437
560269
636040
636040
636040
636040
636040
636040
636040
636040
5066
33602
51897
178096
71461
71603
75771
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
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 1.017664e+07
1
0
175337
393891
584871
471011
629951
627766
1148
11486
13341
666
571868
625633
279607
325988
524488
460703
242349
51069
165029
6089
8274
634892
624554
622699
635374
636040
64152
10407
356433
310052
111542
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 1.017664e+07
1
0
636040
636040
636040
636040
636040
636040
636040
636040
636040
636040
636040
636040
636040
636040
636040
636040
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