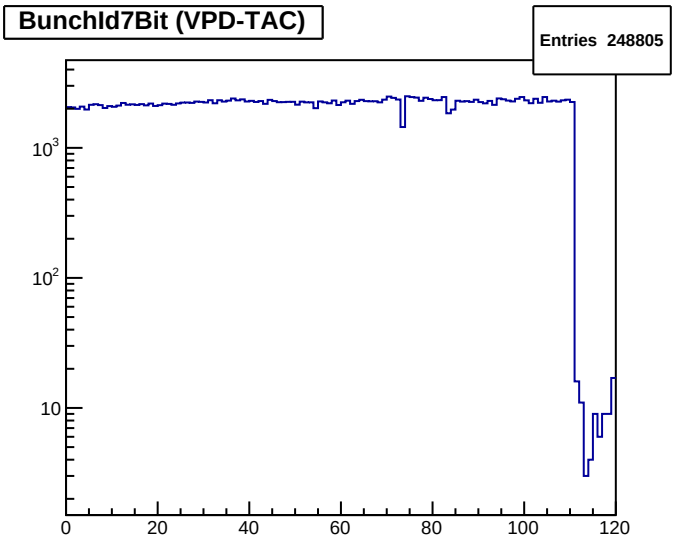
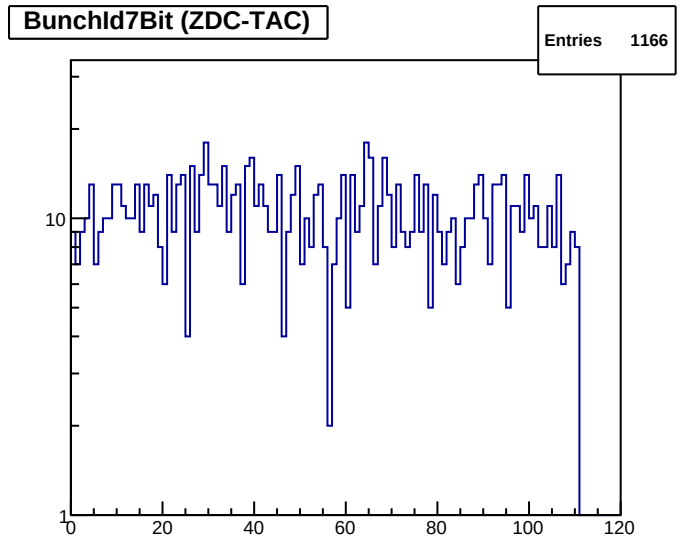
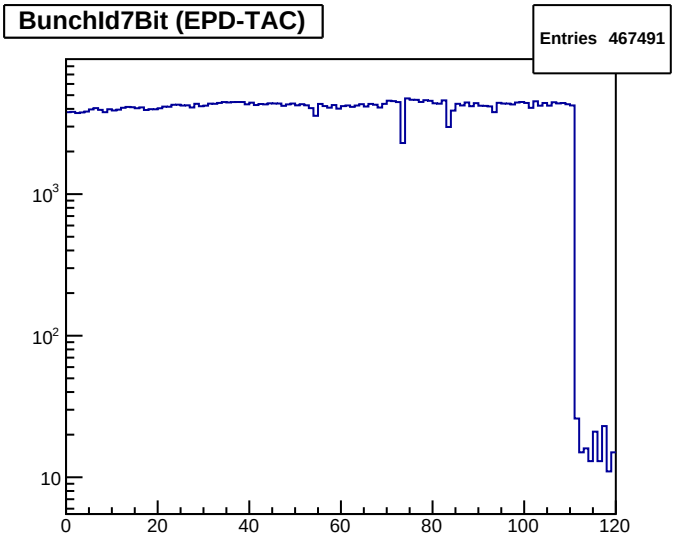
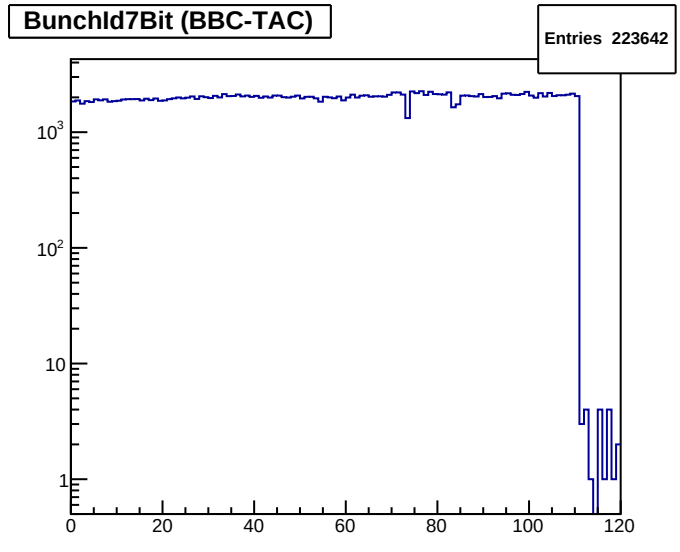
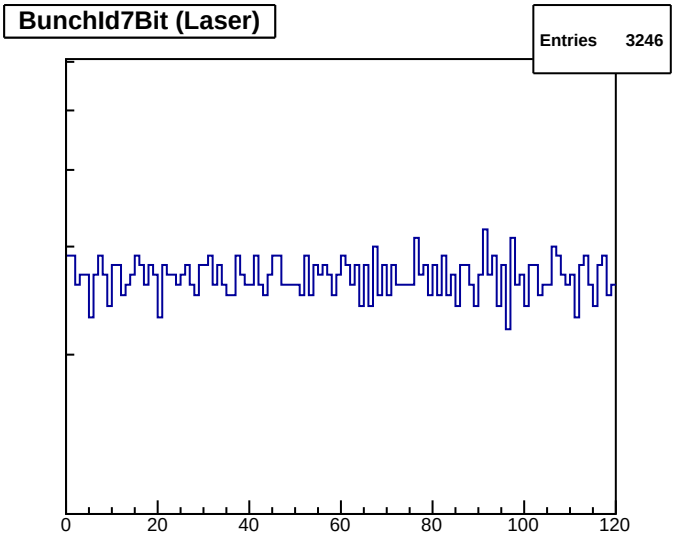
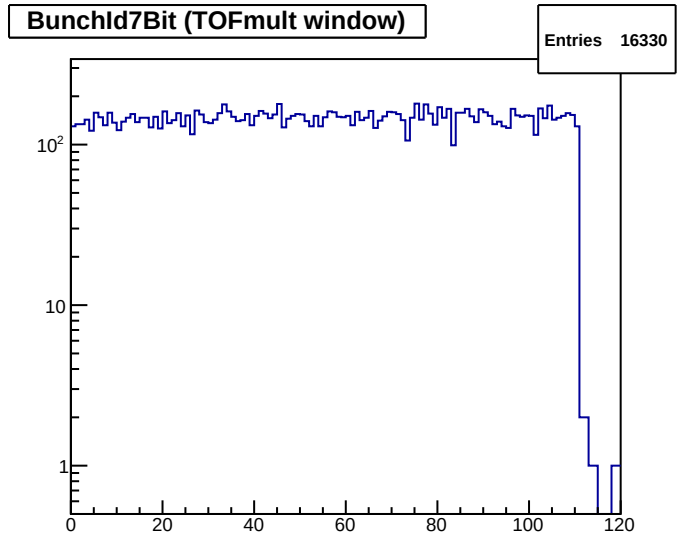

BunchId7Bit (VPD-TAC)
Entries 248805
10^3
10^2
10
0 20 40 60 80 100 120

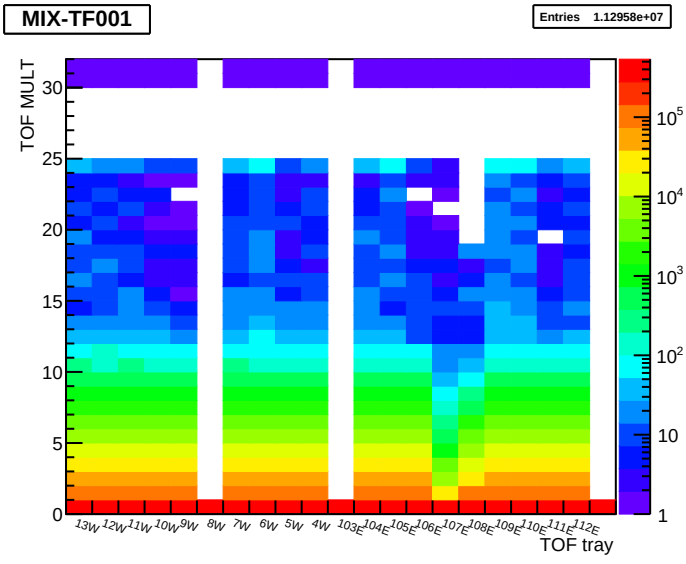

BunchId7Bit (ZDC-TAC)
Entries 1166
10
1
0 20 40 60 80 100 120

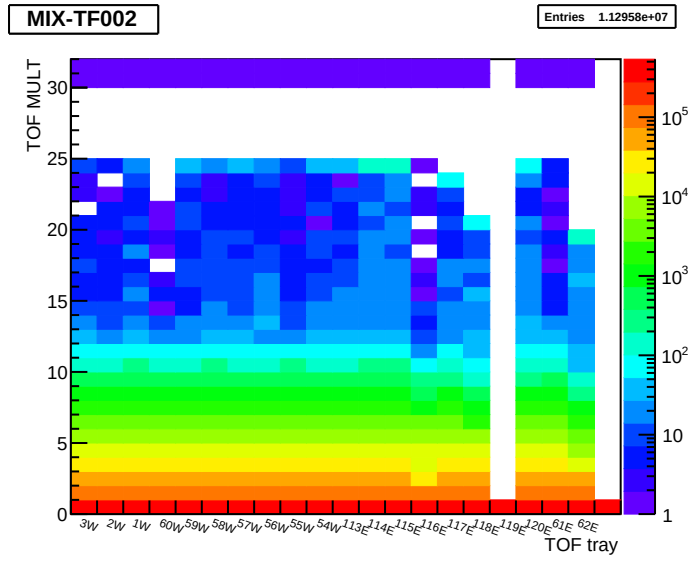

BunchId7Bit (EPD-TAC)
Entries 467491
10^3
10^2
10
0 20 40 60 80 100 120

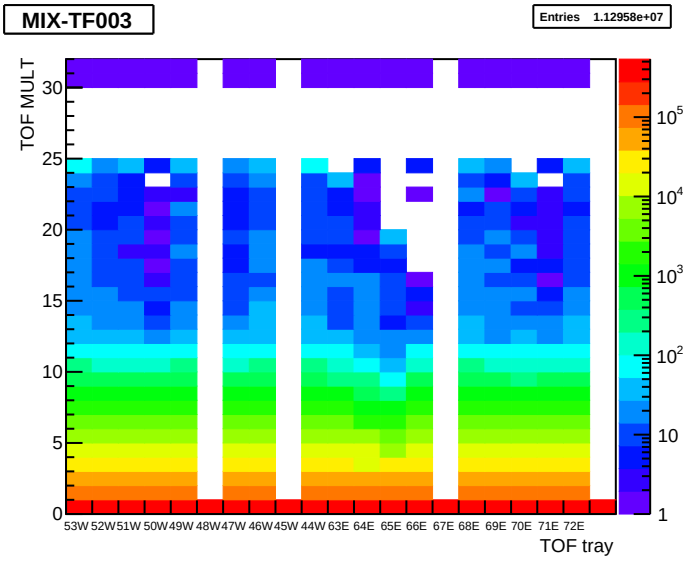

BunchId7Bit (BBC-TAC)
Entries 223642
10^3
10^2
10
1
0 20 40 60 80 100 120

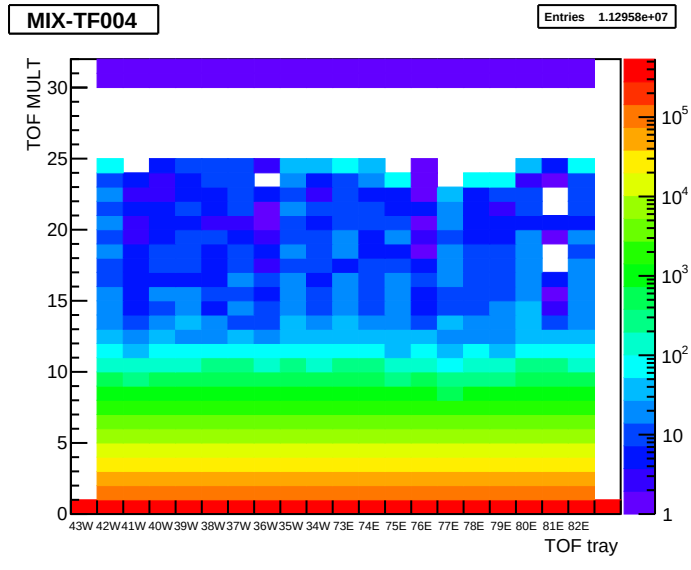

BunchId7Bit (Laser)
Entries 3246
0 20 40 60 80 100 120

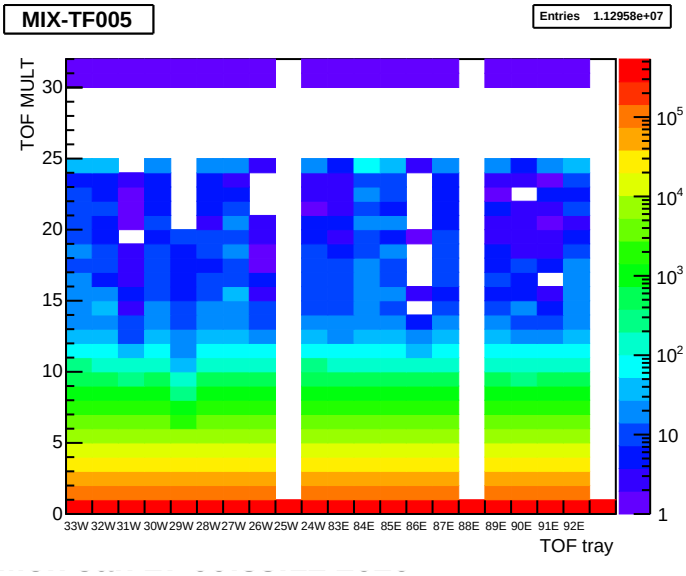

BunchId7Bit (TOFmult window)
Entries 16330
10^2
10
1
0 20 40 60 80 100 120

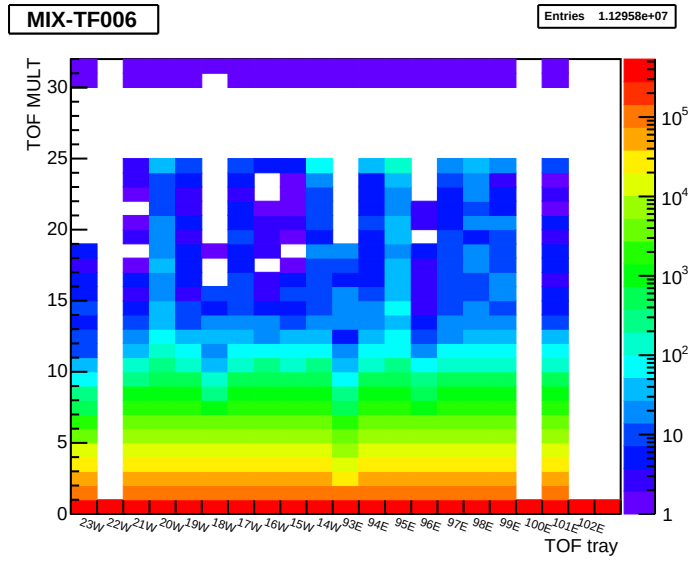

MIX-TF001
Entries 1.12958e+07
TOF MULT
TOF tray

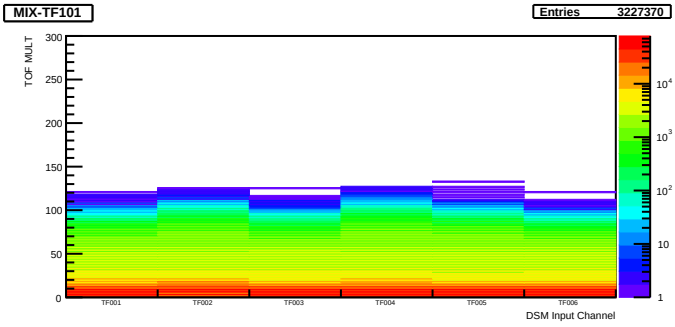

MIX-TF002
Entries 1.12958e+07
TOF MULT
TOF tray

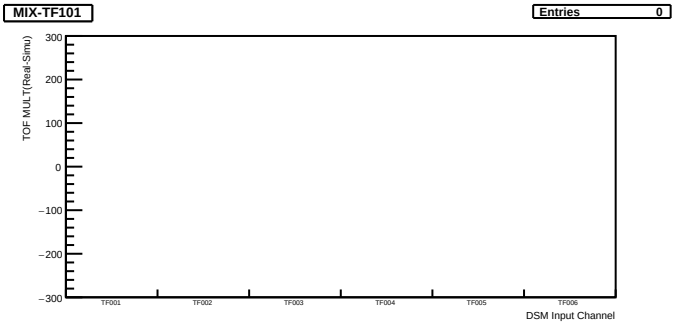

MIX-TF003
Entries 1.12958e+07
TOF MULT
TOF tray

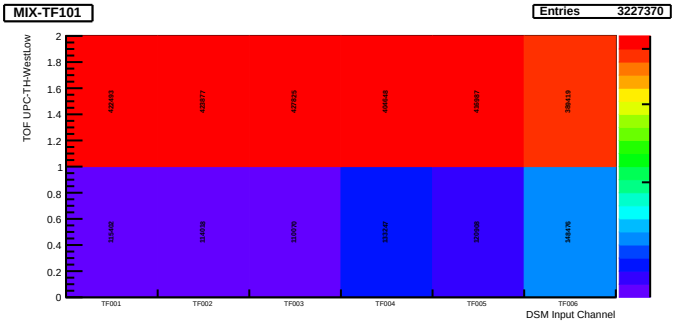

MIX-TF004
Entries 1.12958e+07
TOF MULT
TOF tray

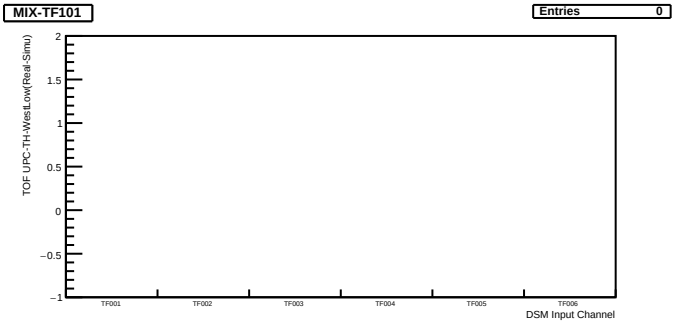

MIX-TF005
Entries 1.12958e+07
TOF MULT
TOF tray

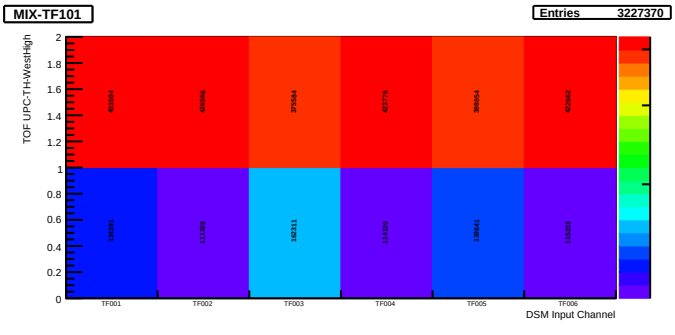

MIX-TF006
Entries 1.12958e+07
TOF MULT
TOF tray

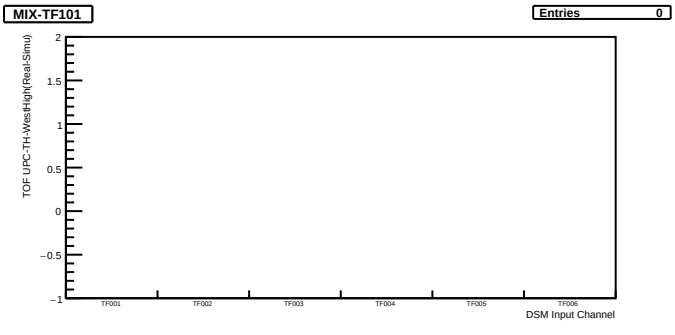

MIX-TF101
Entries 3227370
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

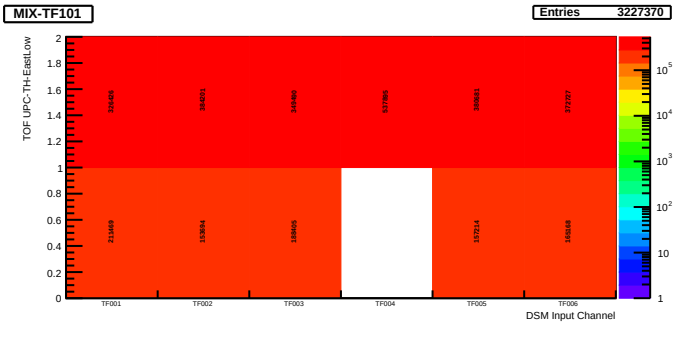

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

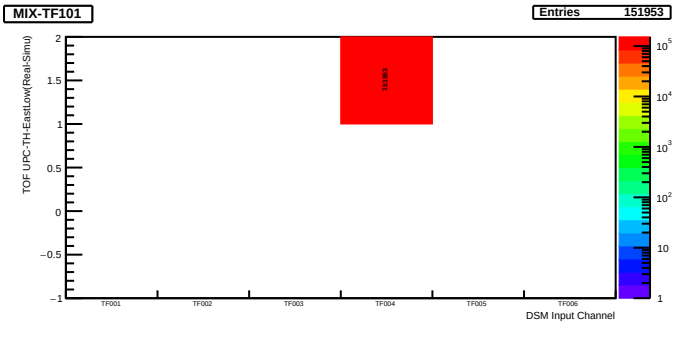

MIX-TF101
Entries 3227370
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

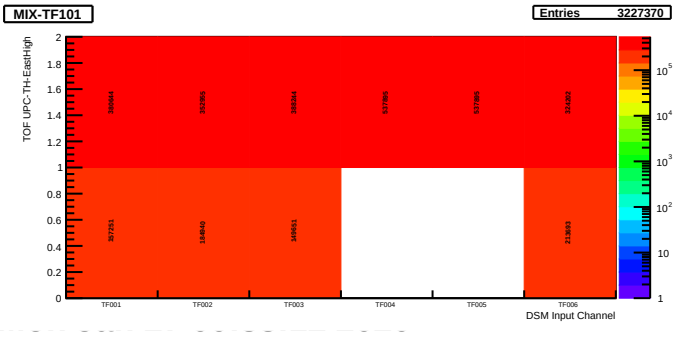

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

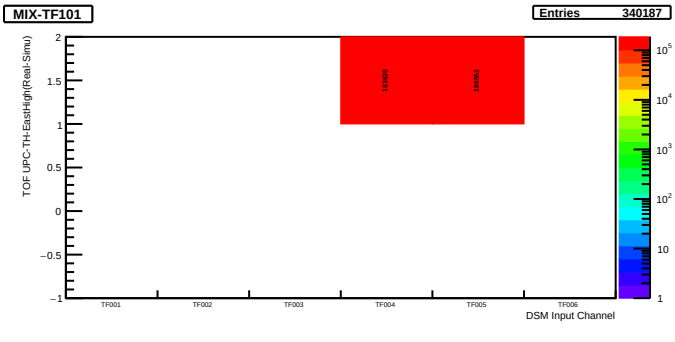

MIX-TF101
Entries 3227370
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

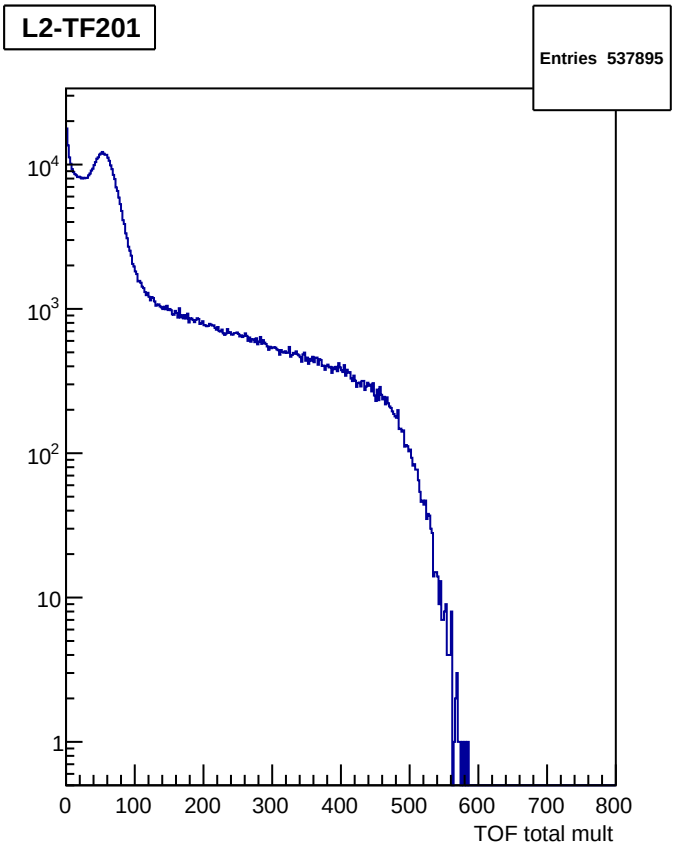

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

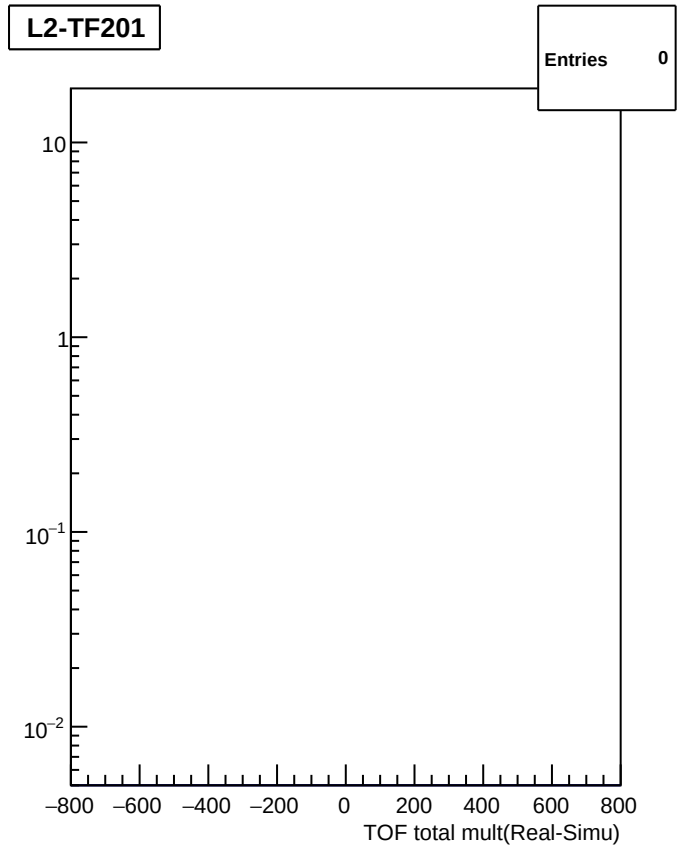

MIX-TF101
Entries 3227370
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

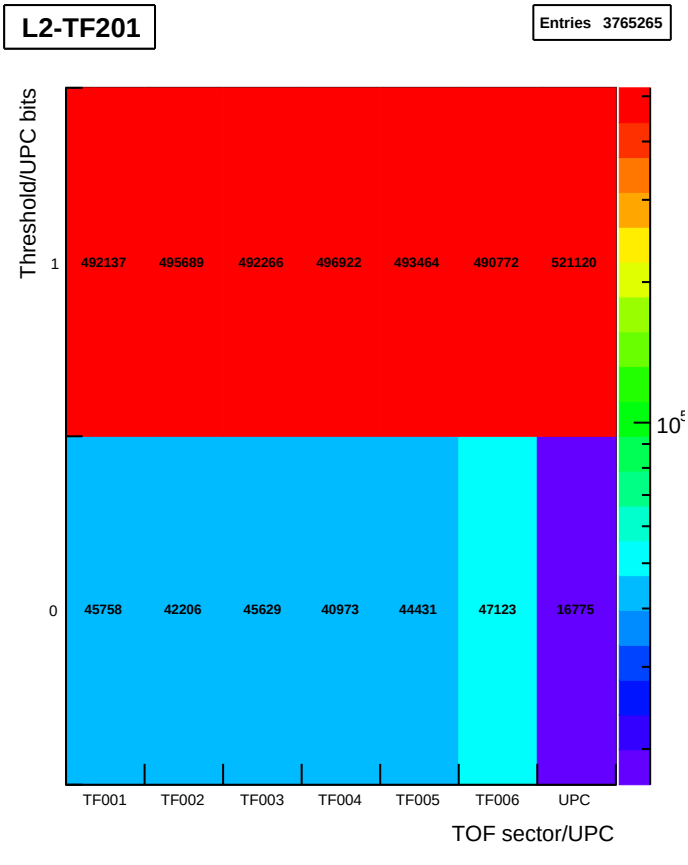

MIX-TF101
Entries 151953
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

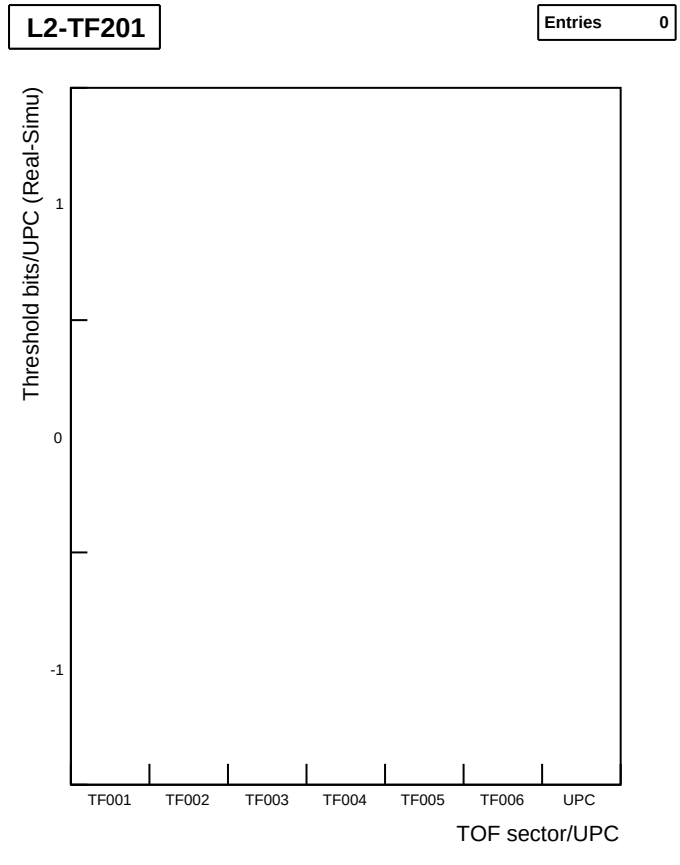

MIX-TF101
Entries 3227370
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

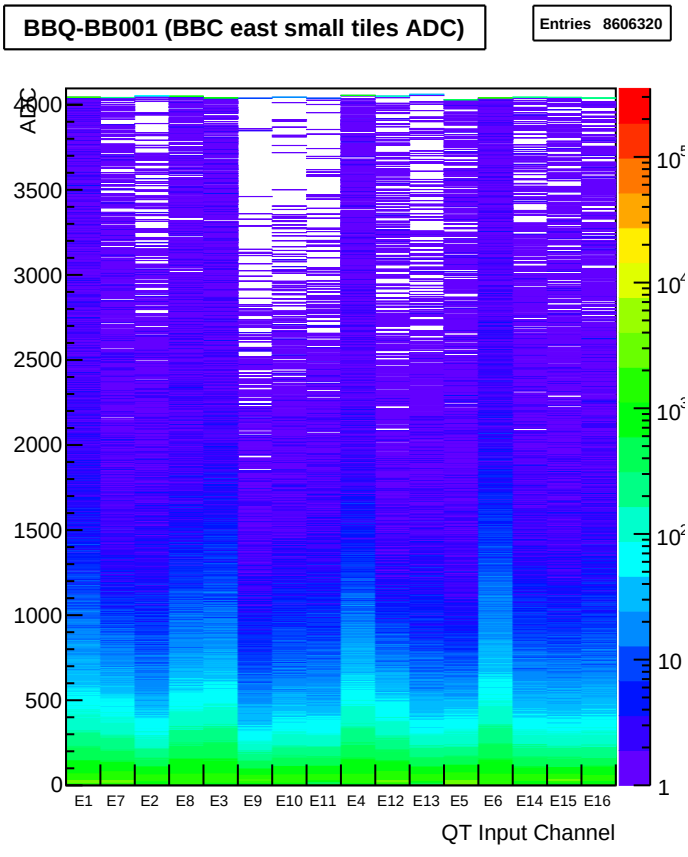

MIX-TF101
Entries 340187
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

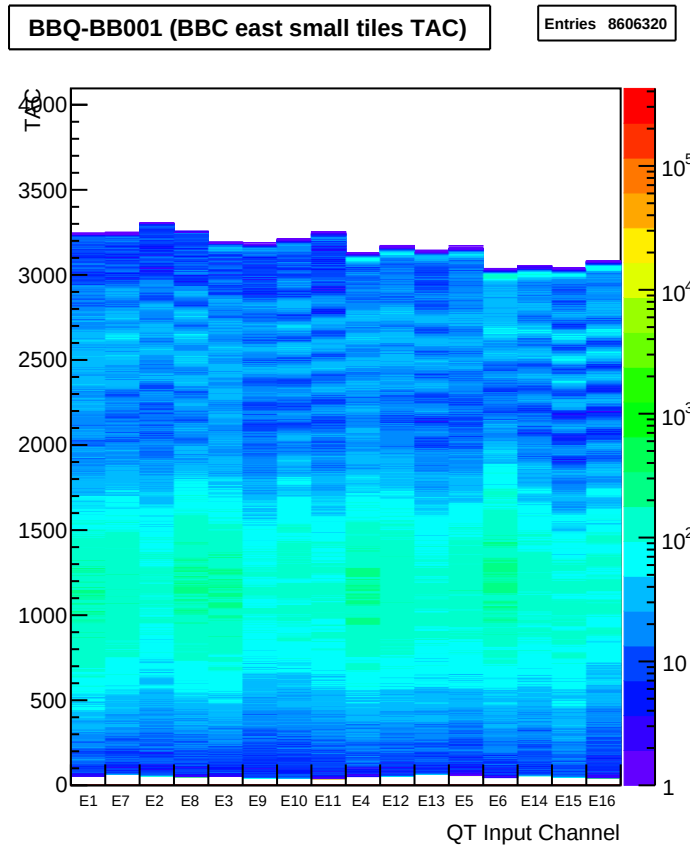

L2-TF201
Entries 537895
TOF total mult

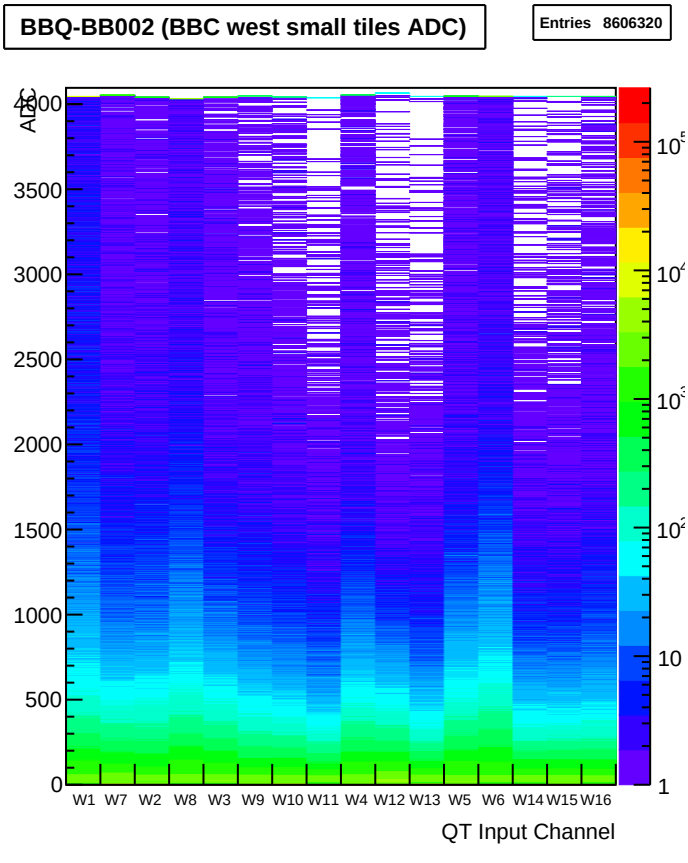

L2-TF201
Entries 0
TOF total mult(Real-Simu)

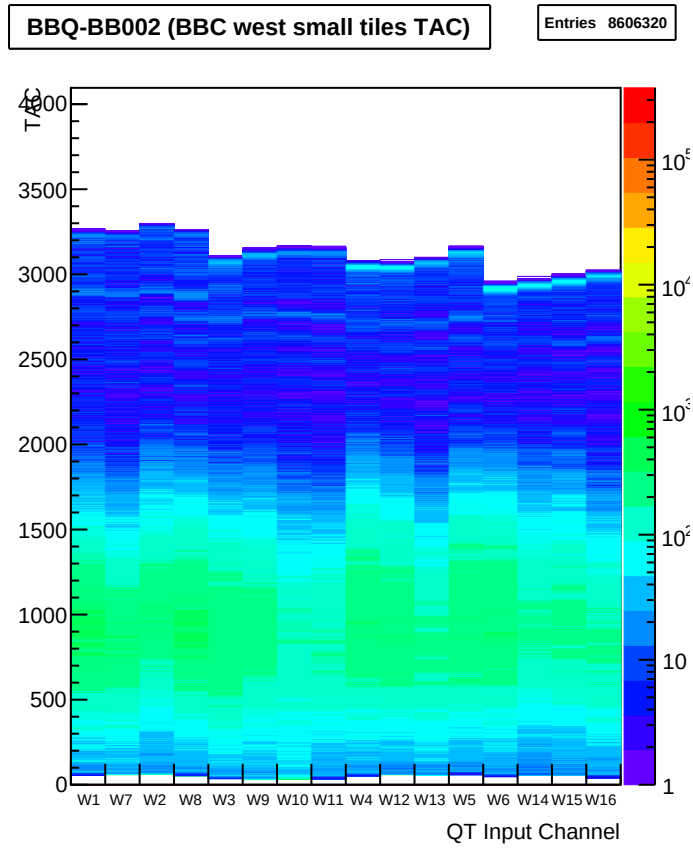

L2-TF201
Entries 3765265
Threshold/UPC bits
492137
495689
492266
496922
493464
490772
521120
45758
42206
45629
40973
44431
47123
16775
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

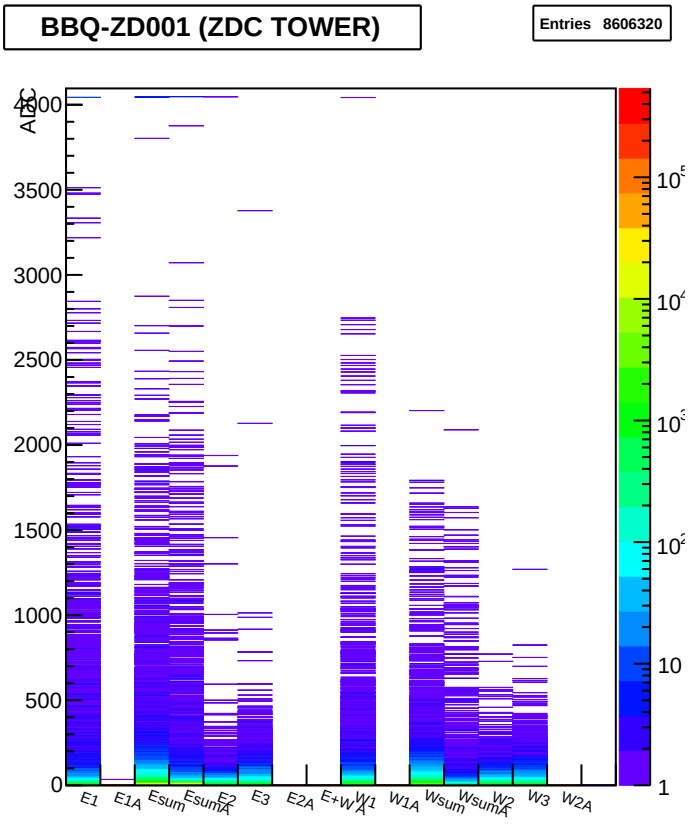

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

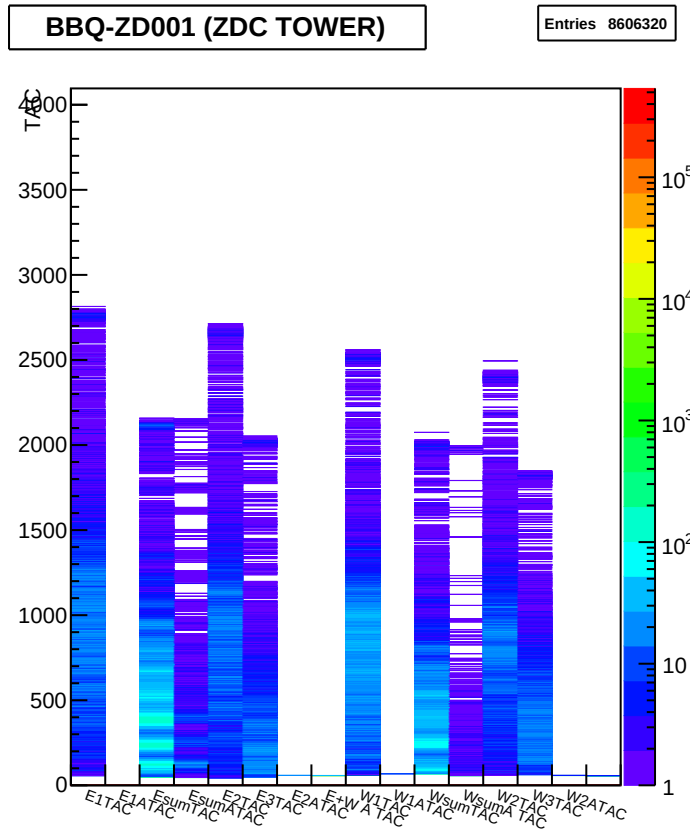

BBQ-BB001 (BBC east small tiles ADC)
Entries 8606320
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

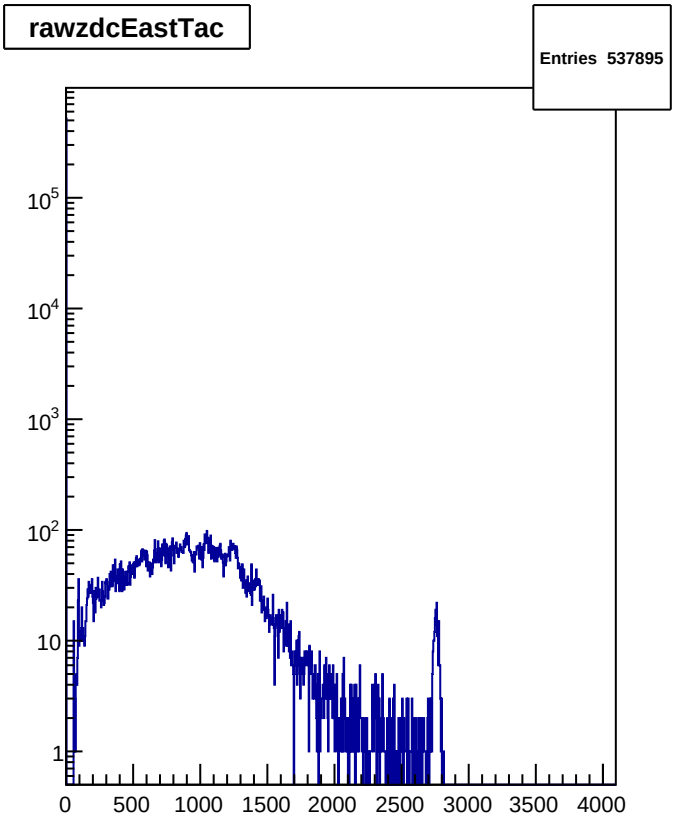

BBQ-BB001 (BBC east small tiles TAC)
Entries 8606320
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

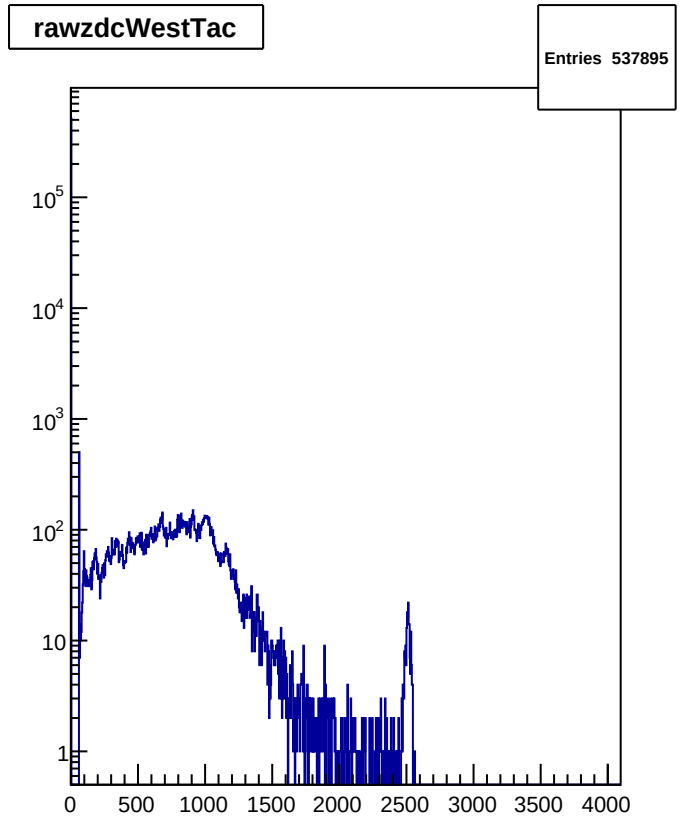

BBQ-BB002 (BBC west small tiles ADC)
Entries 8606320
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

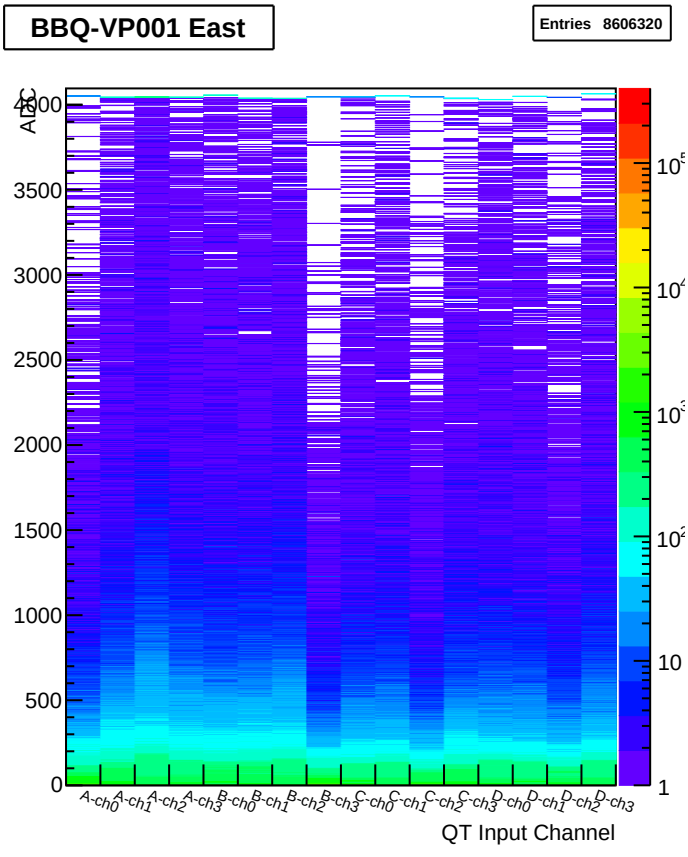

BBQ-BB002 (BBC west small tiles TAC)
Entries 8606320
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

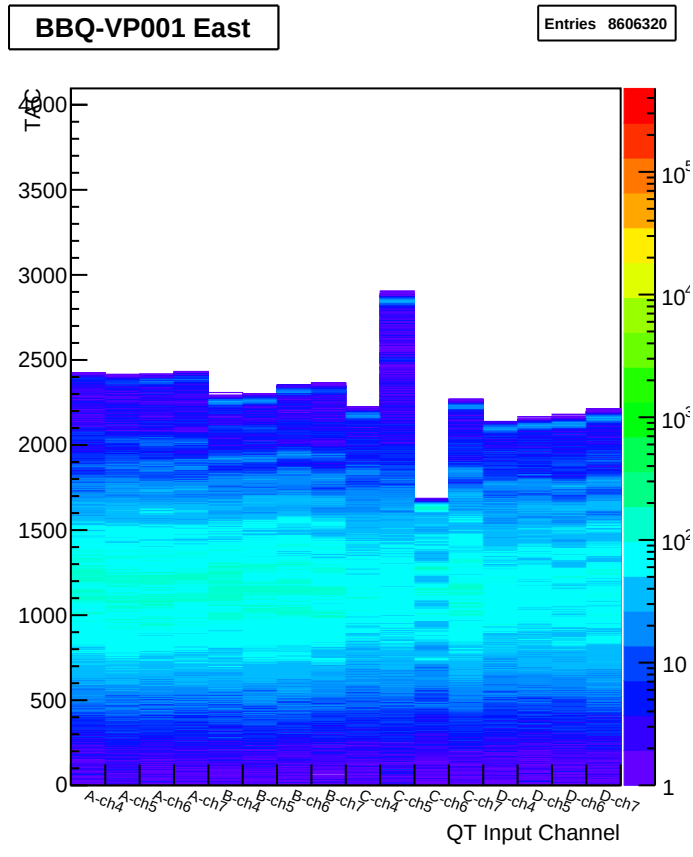

BBQ-ZD001 (ZDC TOWER)
Entries 8606320
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

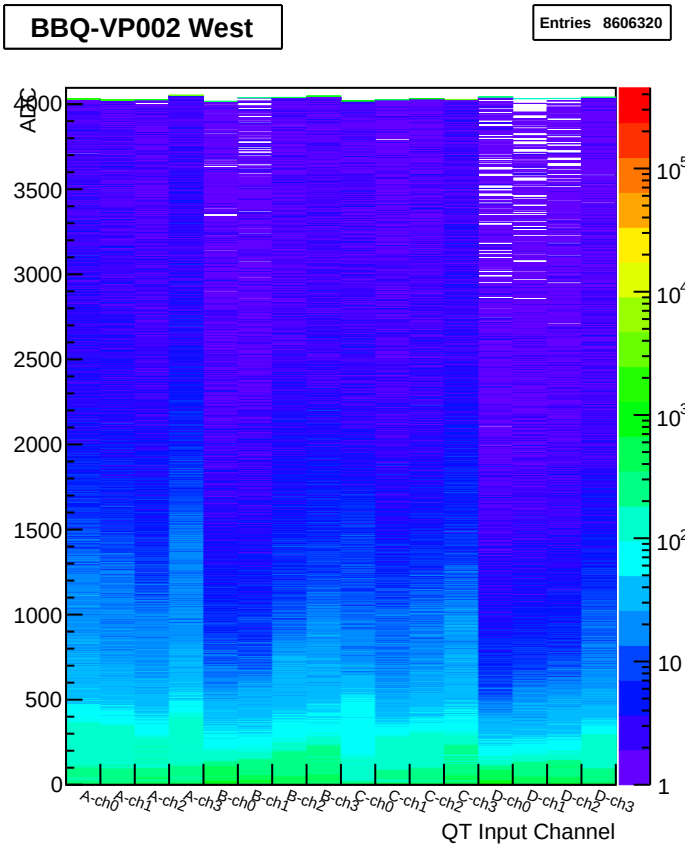

BBQ-ZD001 (ZDC TOWER)
Entries 8606320
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

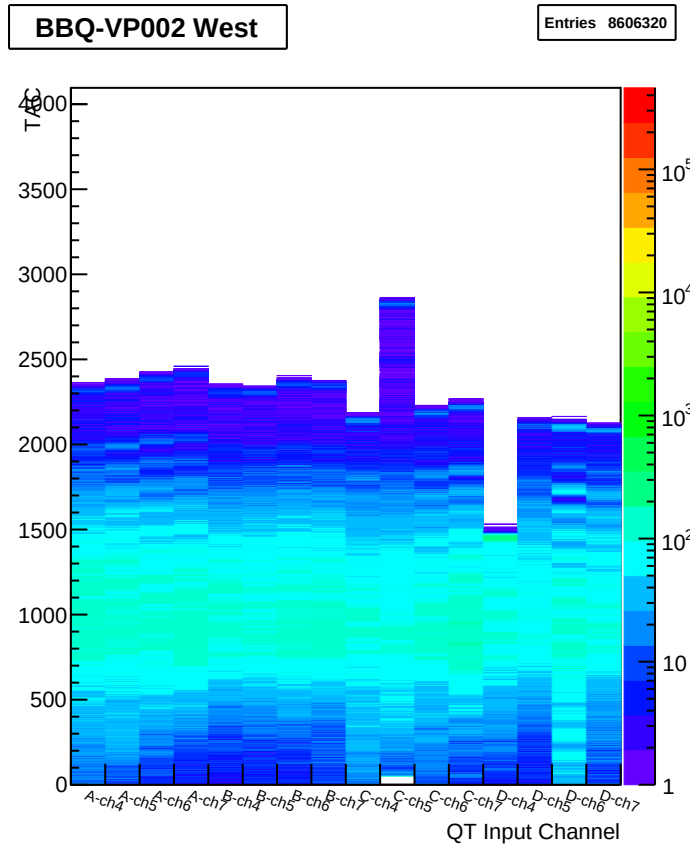

rawzdcEastTac
Entries 537895

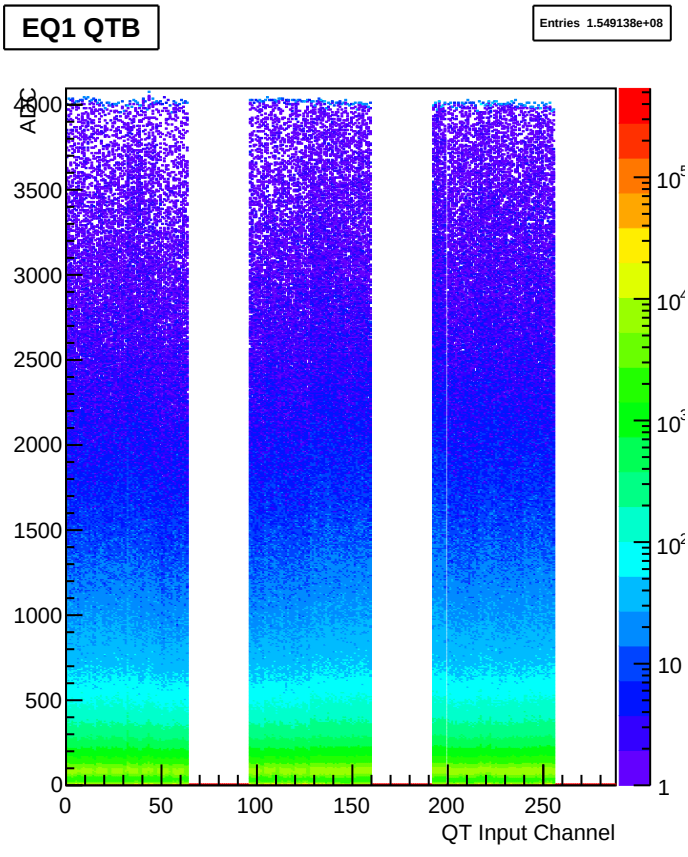

rawzdcWestTac
Entries 537895

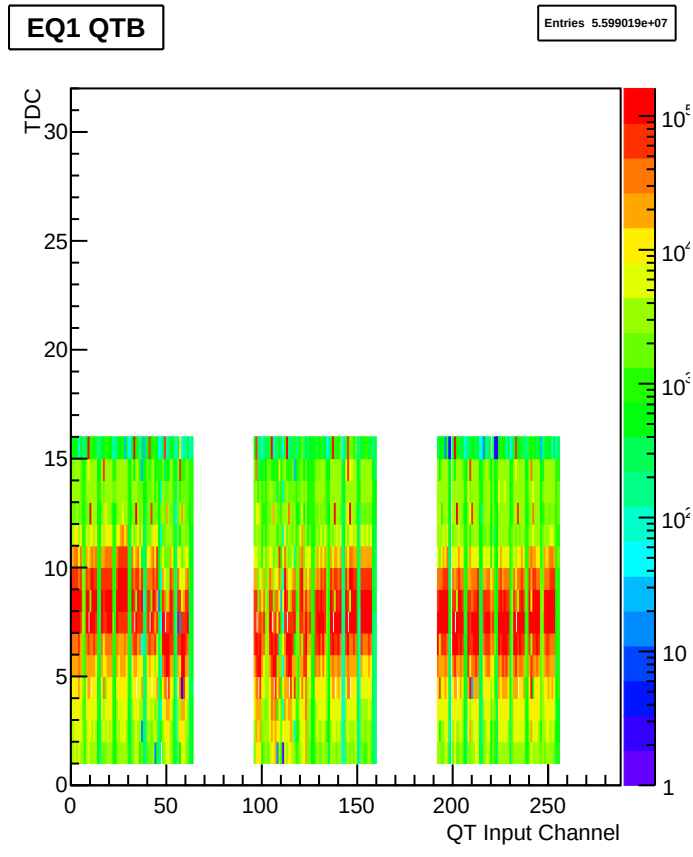

BBQ-VP001 East
Entries 8606320
ADC
QT Input Channel

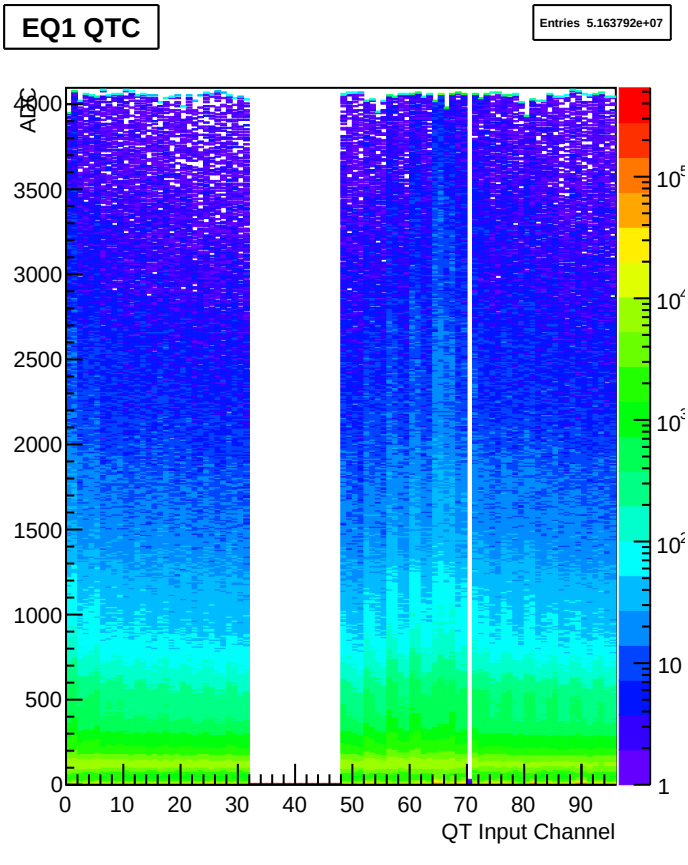

BBQ-VP001 East
Entries 8606320
ADC
QT Input Channel

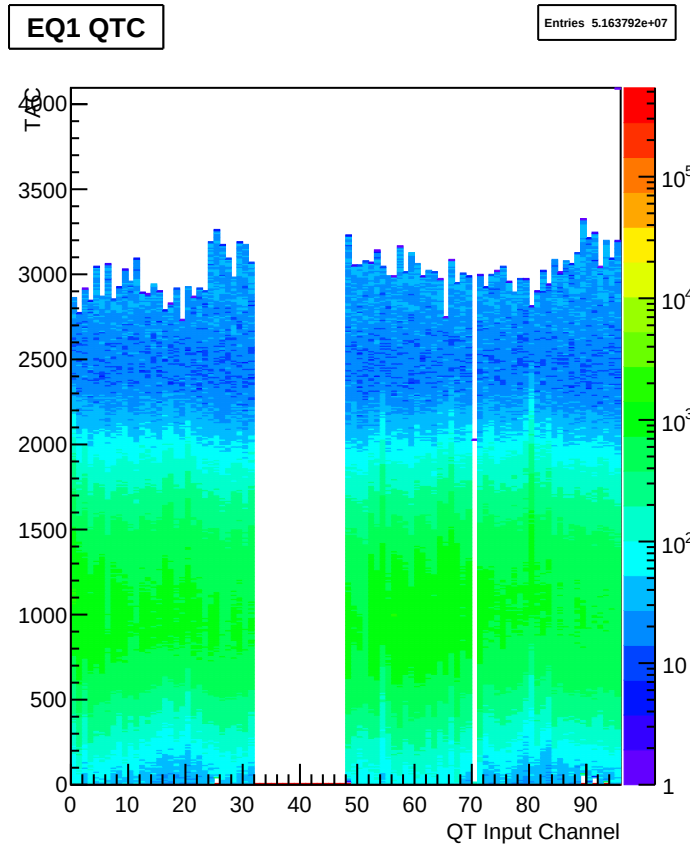

BBQ-VP002 West
Entries 8606320
ADC
QT Input Channel

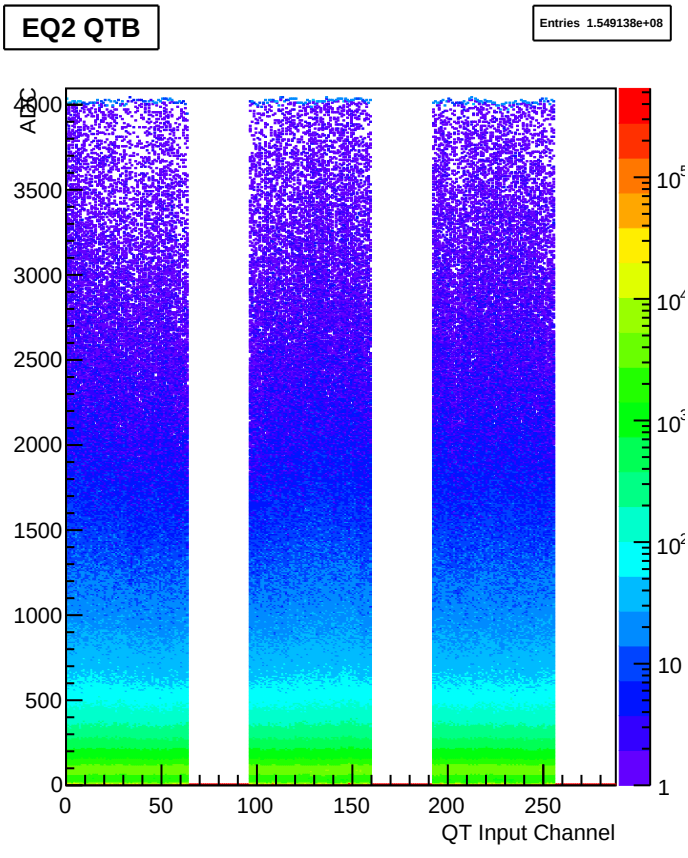

BBQ-VP002 West
Entries 8606320
ADC
QT Input Channel

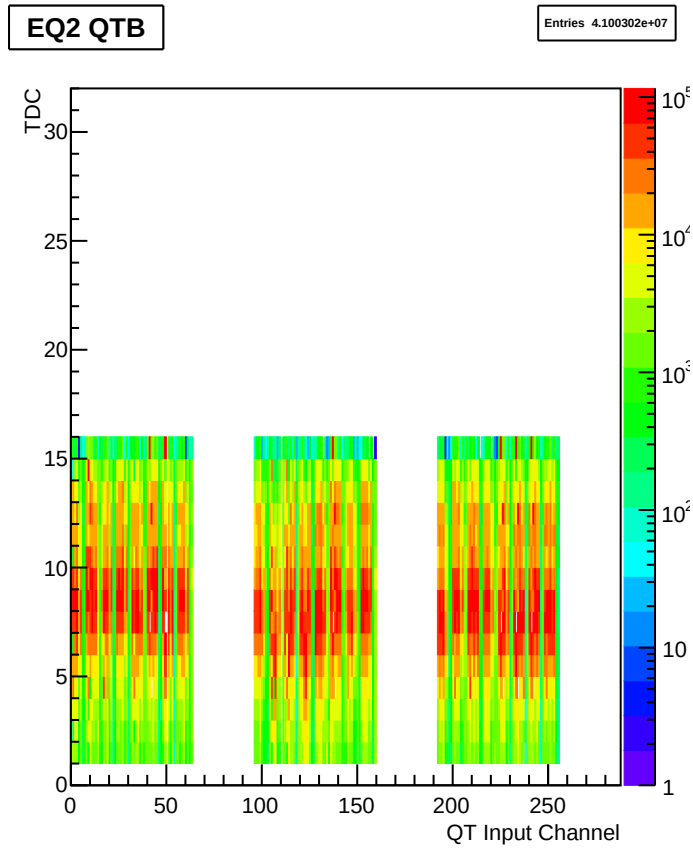

EQ1 QTB
Entries 1.549138e+08
ADC
QT Input Channel

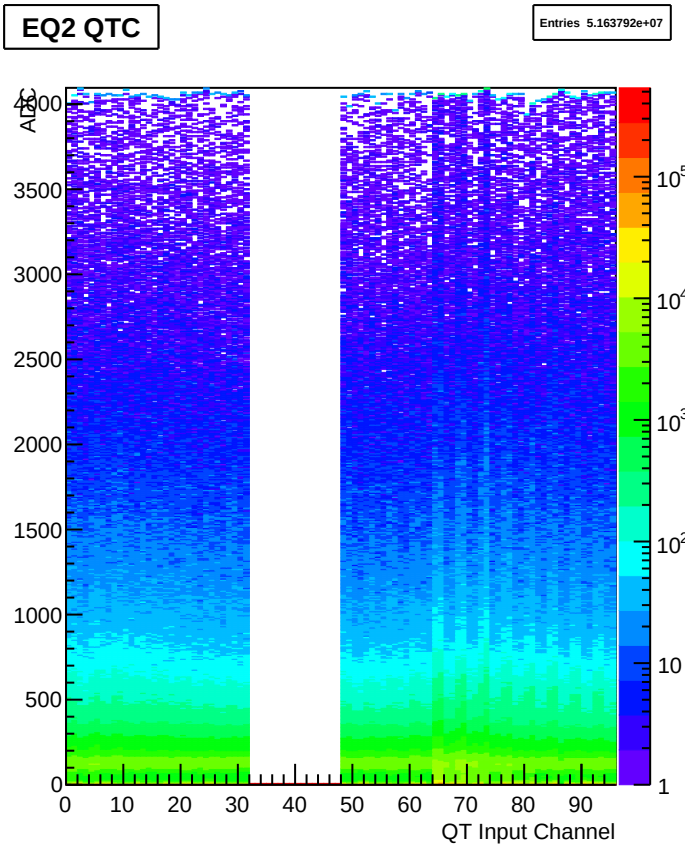

EQ1 QTB
Entries 5.599019e+07
TDC
QT Input Channel

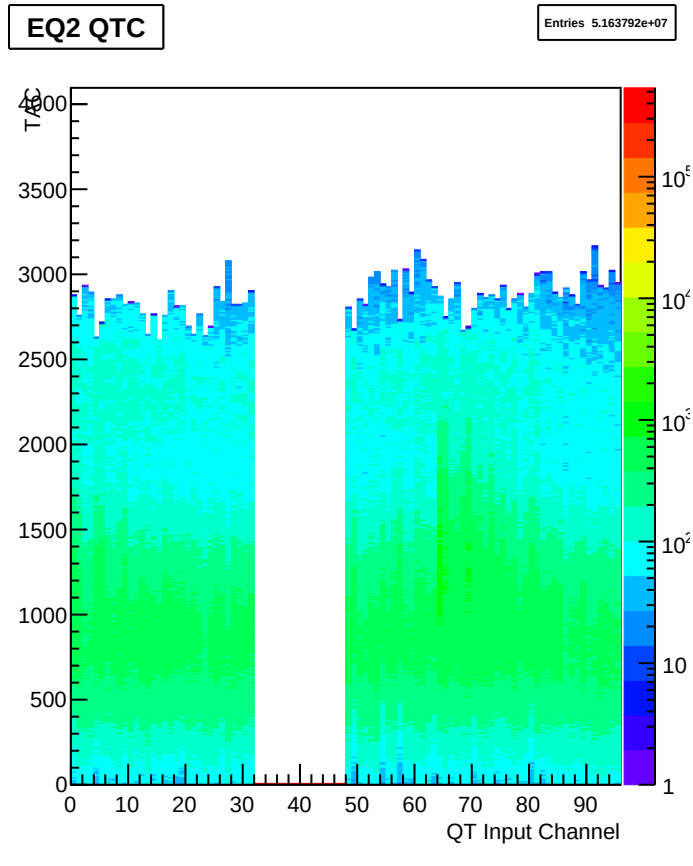

EQ1 QTC
Entries 5.163792e+07
ADC
QT Input Channel

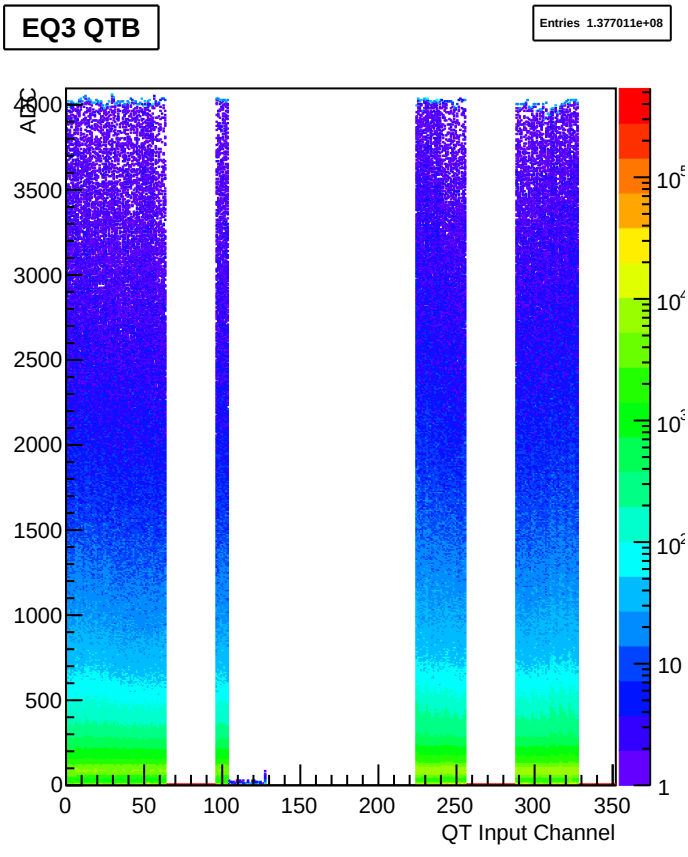

EQ1 QTC
Entries 5.163792e+07
TADC
QT Input Channel

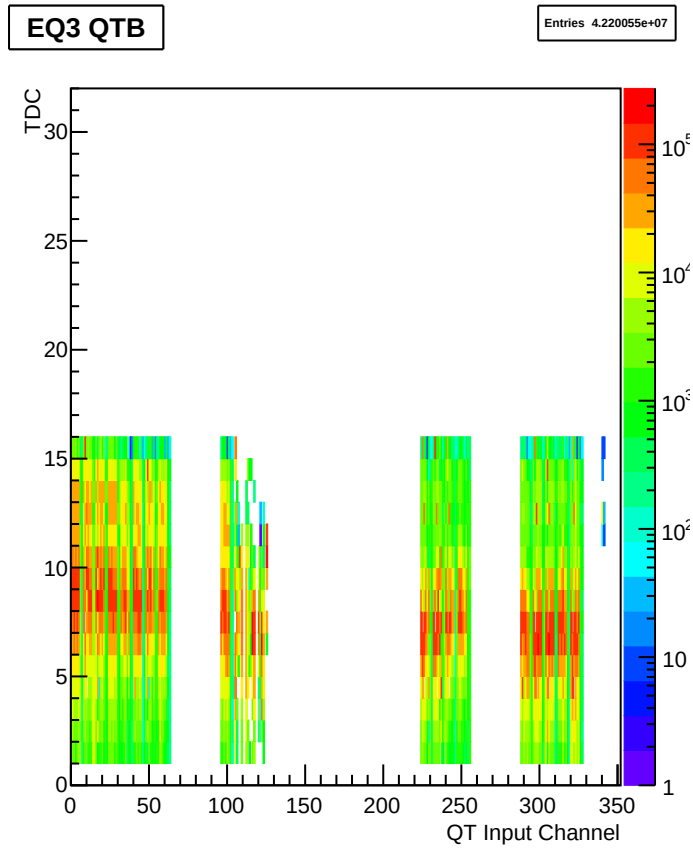

EQ2 QTB
Entries 1.549138e+08
ADC
QT Input Channel

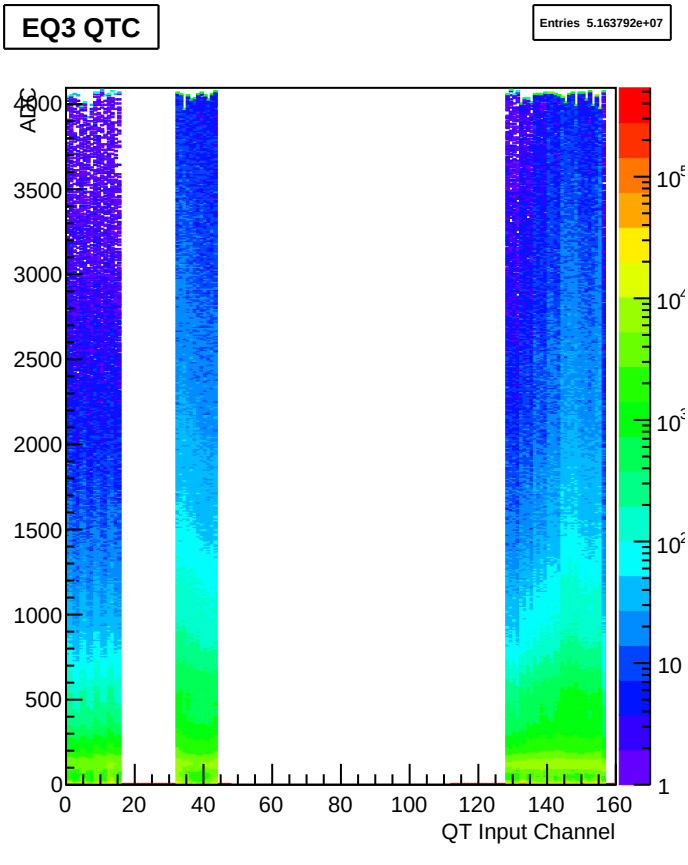

EQ2 QTB
Entries 4.100302e+07
TDC
QT Input Channel

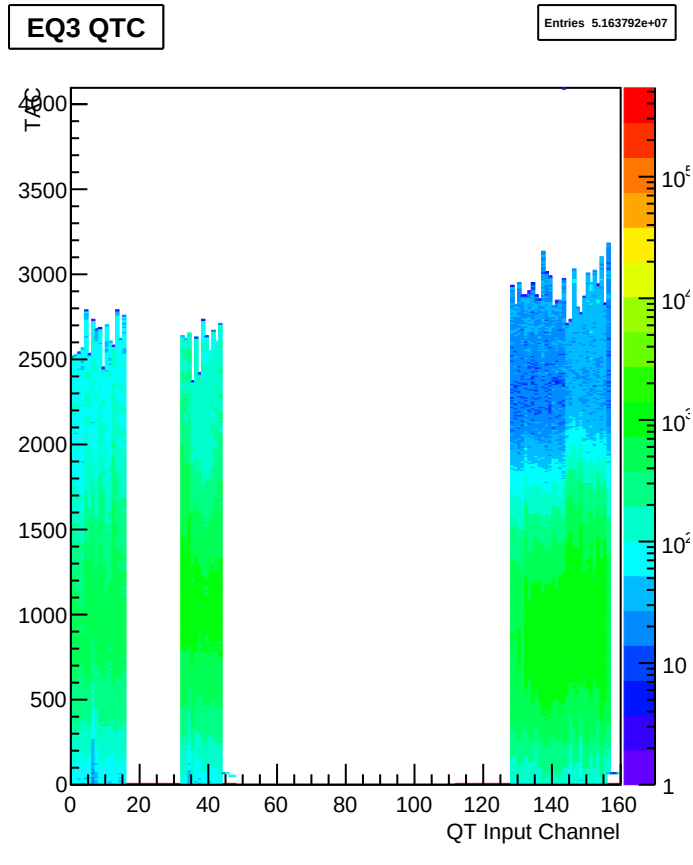

EQ2 QTC
Entries 5.163792e+07
ADC
QT Input Channel

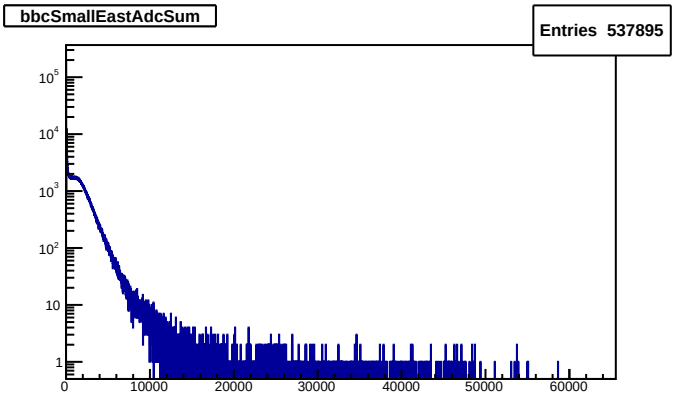

EQ2 QTC
Entries 5.163792e+07
TADC
QT Input Channel

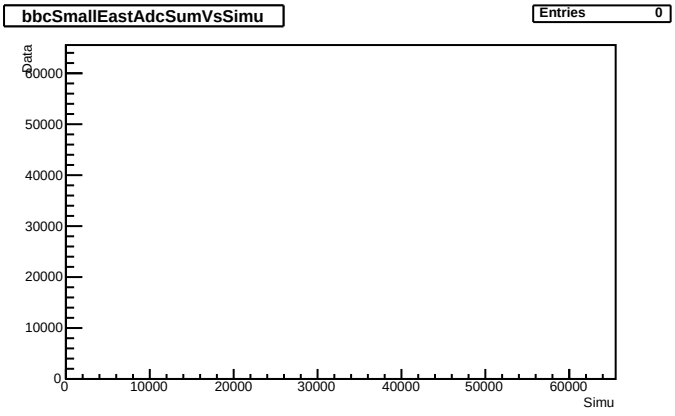

EQ3 QTB
Entries 1.377011e+08
ADC
QT Input Channel

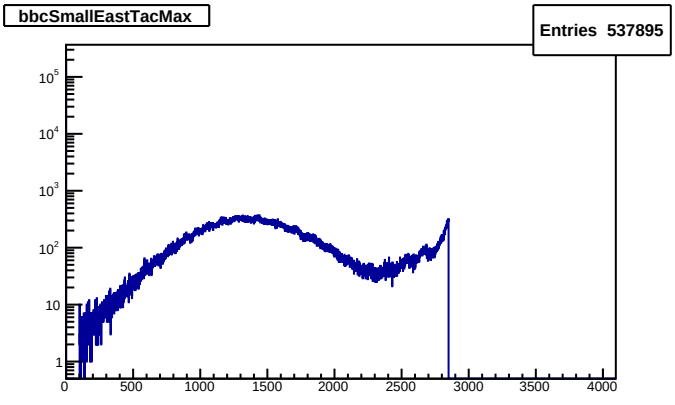

EQ3 QTB
Entries 4.220055e+07
TDC
QT Input Channel

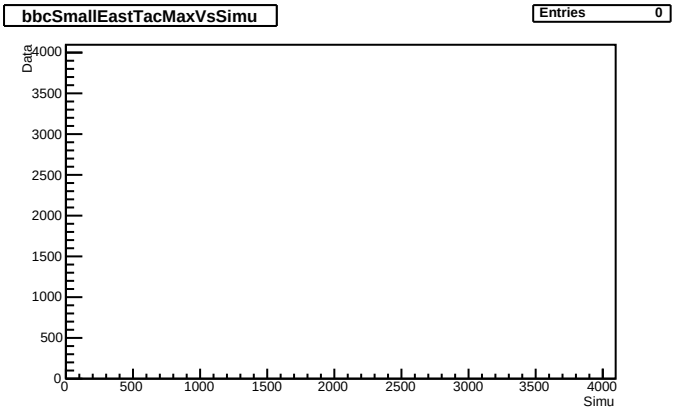

EQ3 QTC
Entries 5.163792e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.163792e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 537895


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 537895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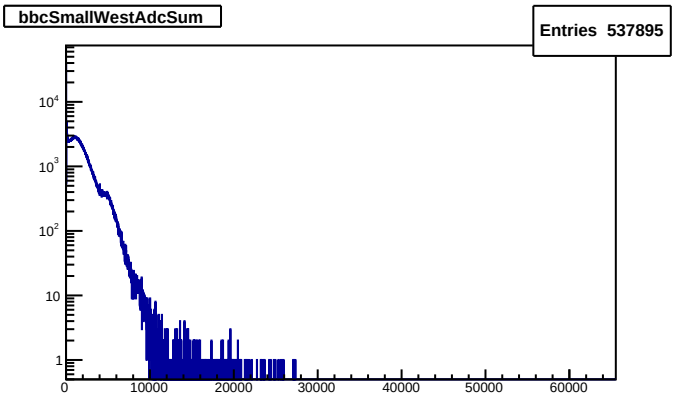
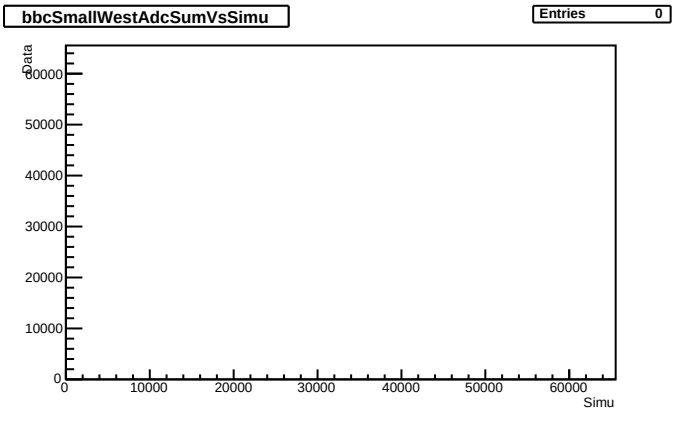
Simu


bbcSmallWestAdcSum
Entries 537895


bbcSmallWestAdcSumVsSimu
Entries 0
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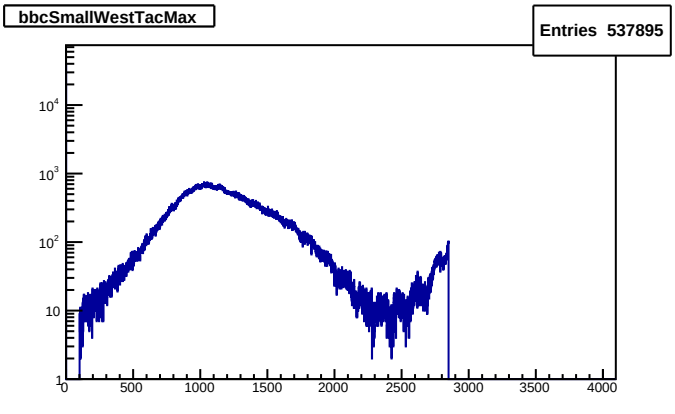
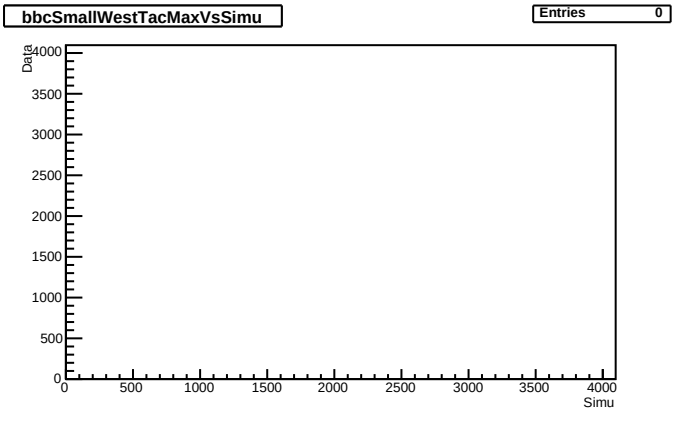
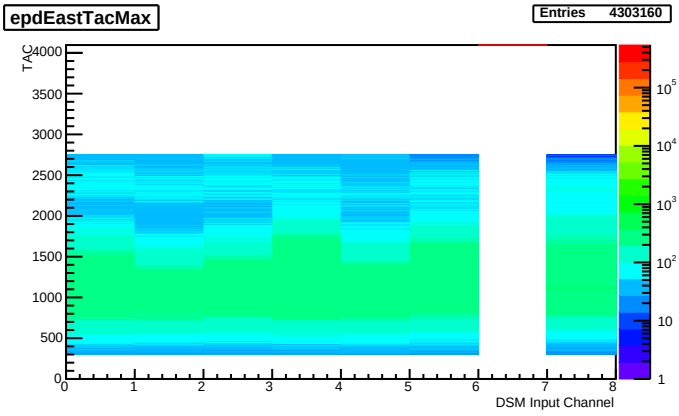
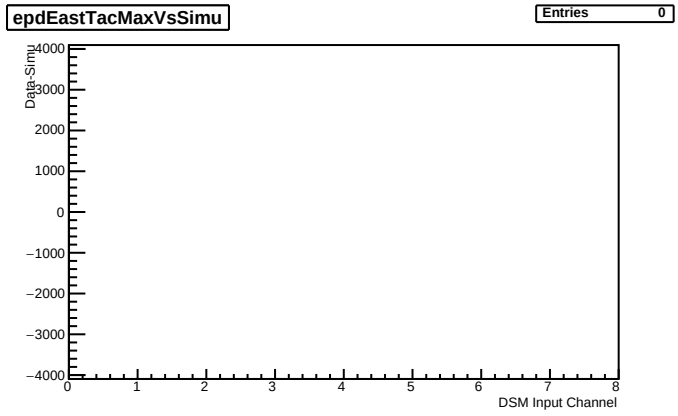
Simu


bbcSmallWestTacMax
Entries 537895


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4303160
TAC
DSM Input Channel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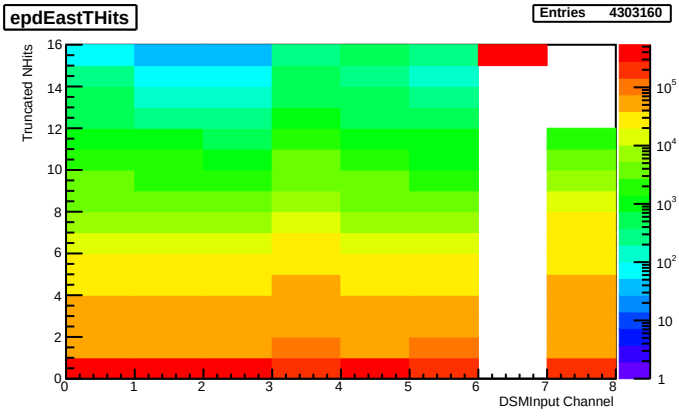
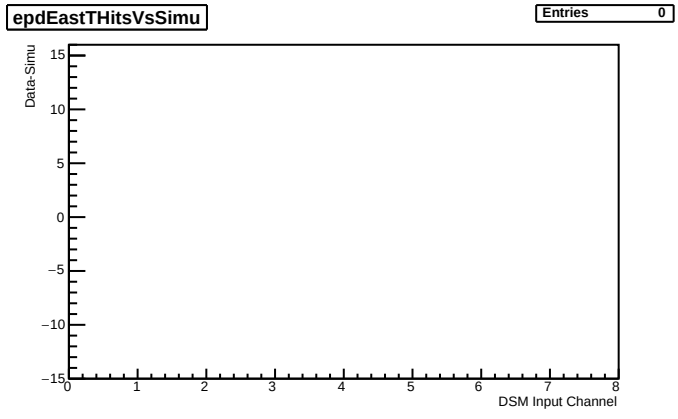
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4303160
Truncated NHits
DSMInput Channel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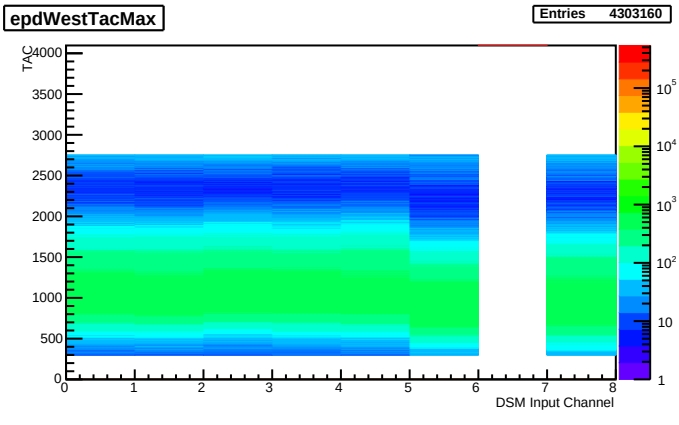
Data-Simu
DSM Input Channel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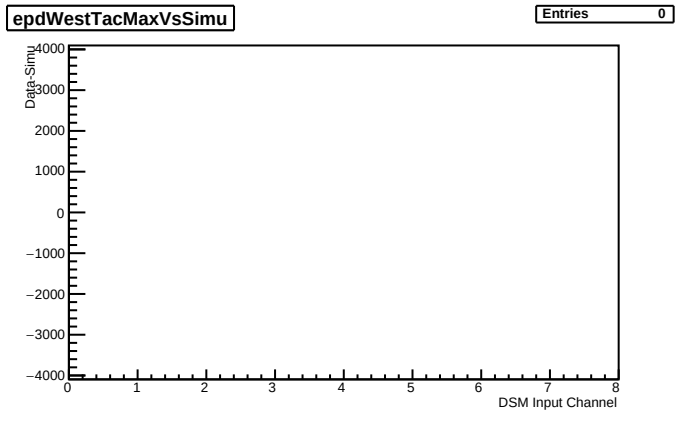
DSM Input Channel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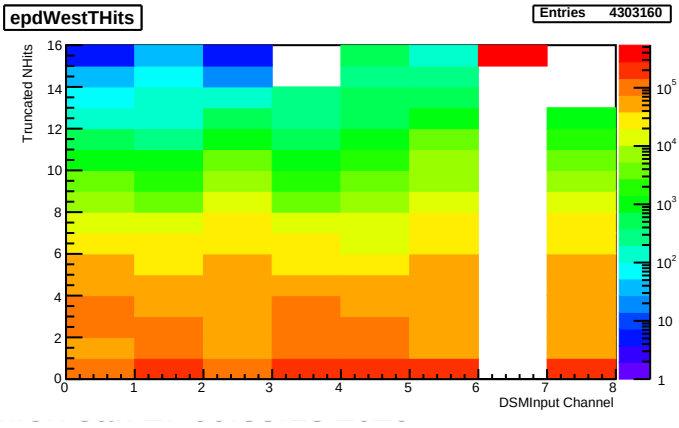
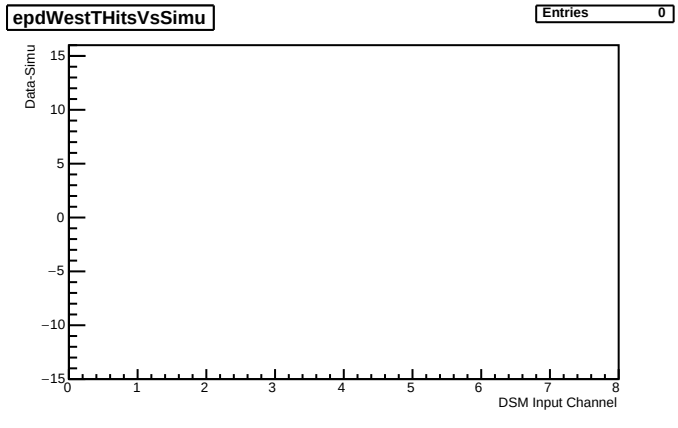
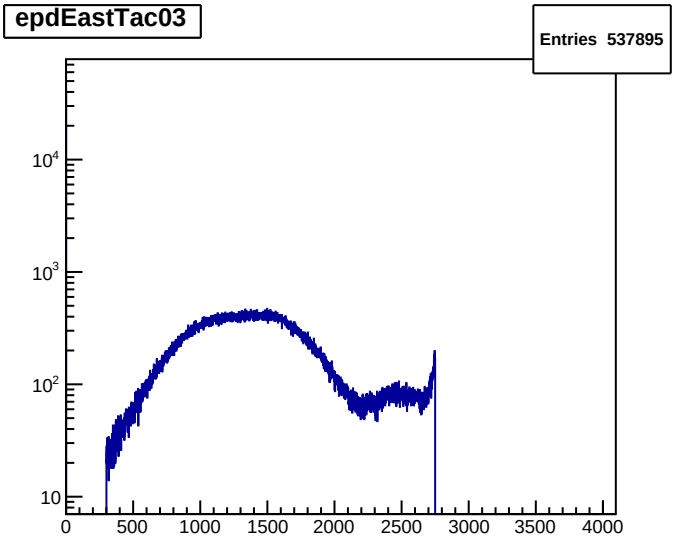
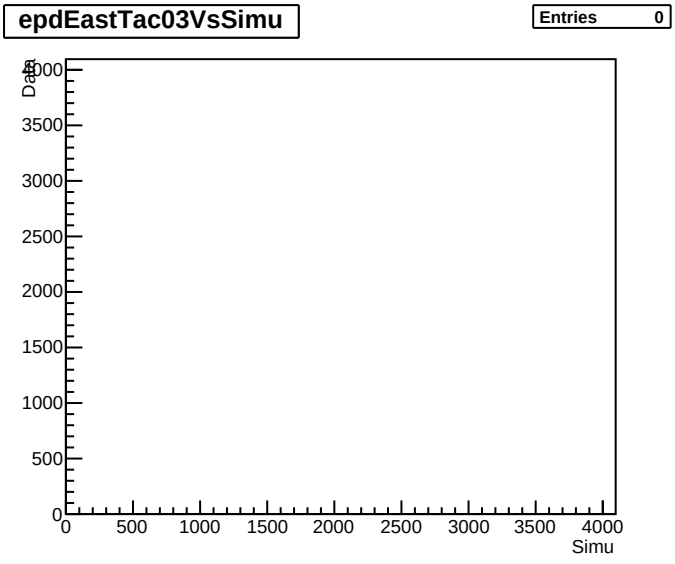
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4303160
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 537895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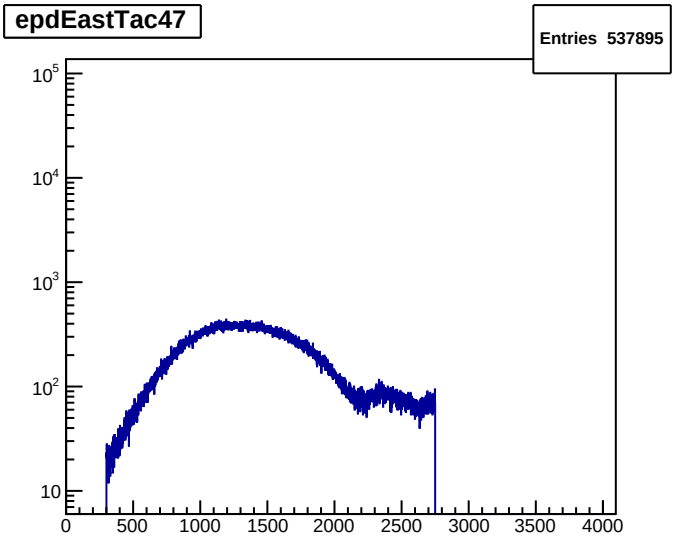
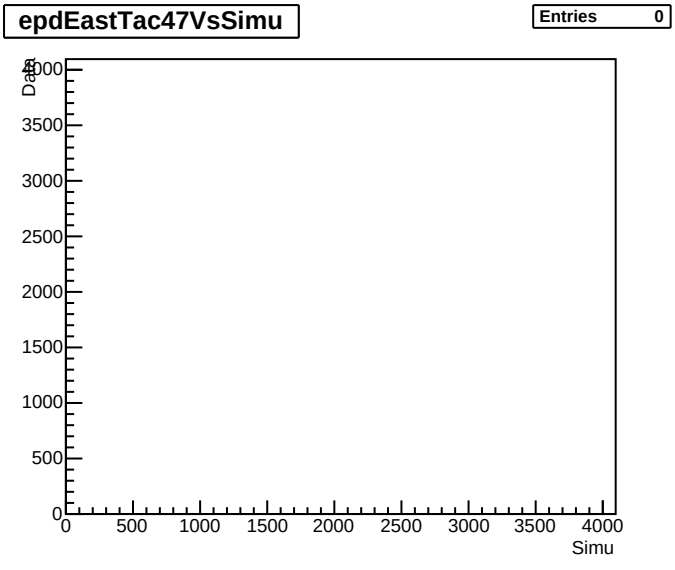
Entries 0
Data
Simu


epdEastTac47
Entries 537895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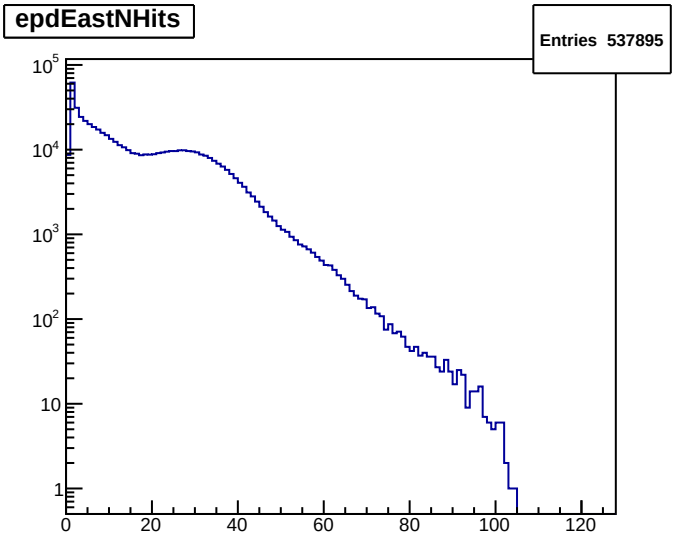
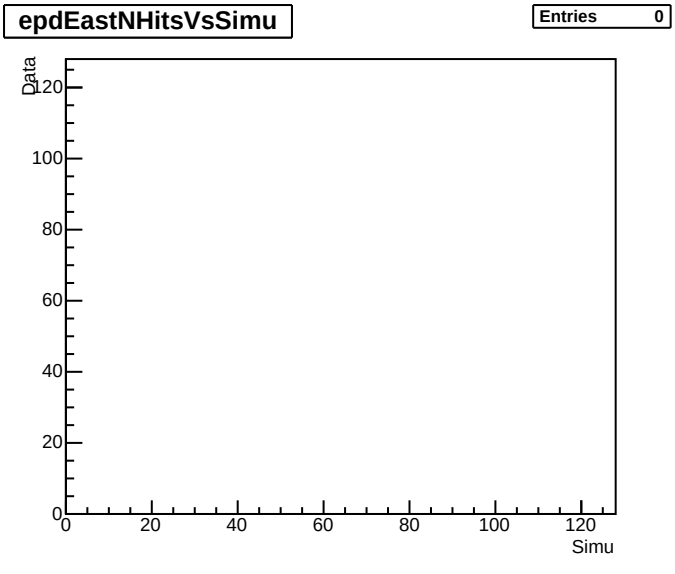
Entries 0
Data
Simu


epdEastNHits
Entries 537895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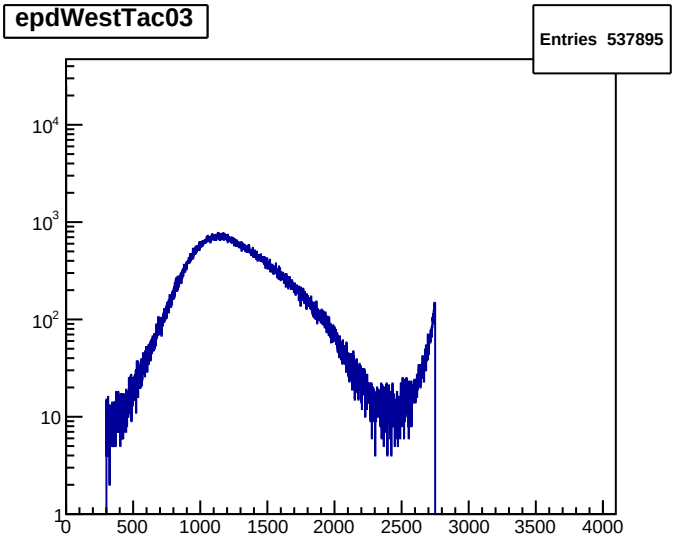
Entries 0
Data
Simu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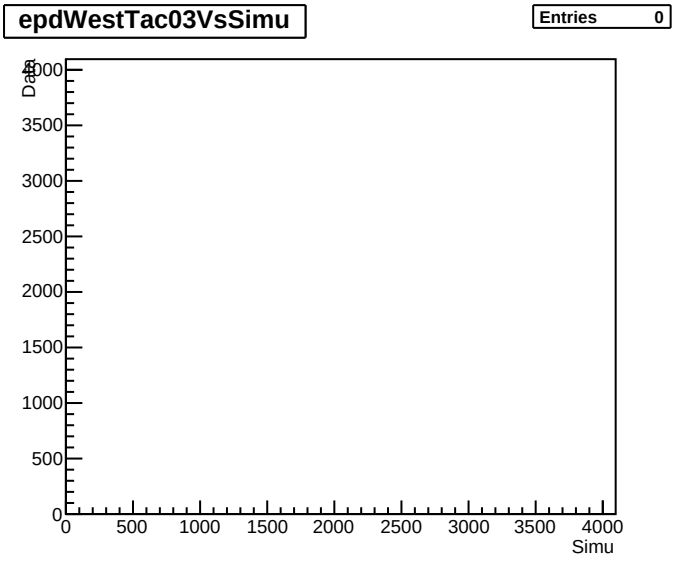
Entries 537895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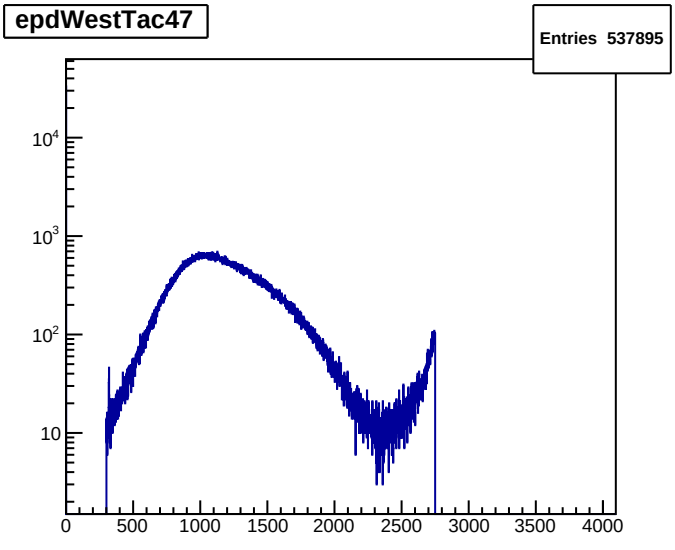
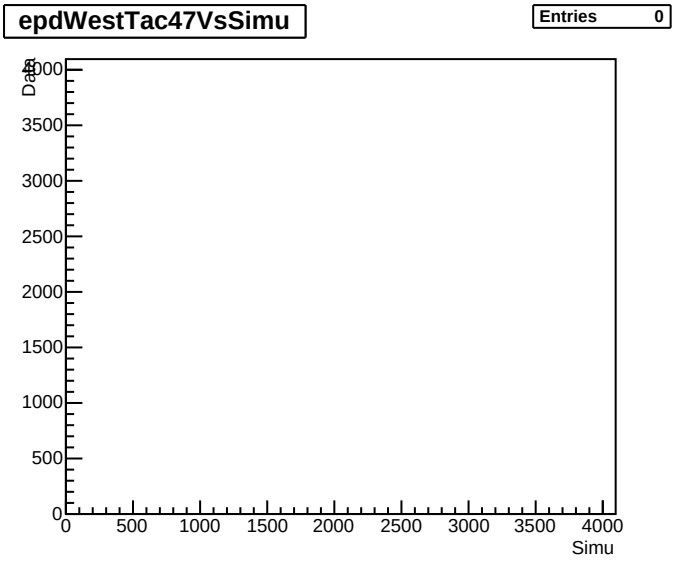
Entries 0
Data
Simu


epdWestTac47
Entries 537895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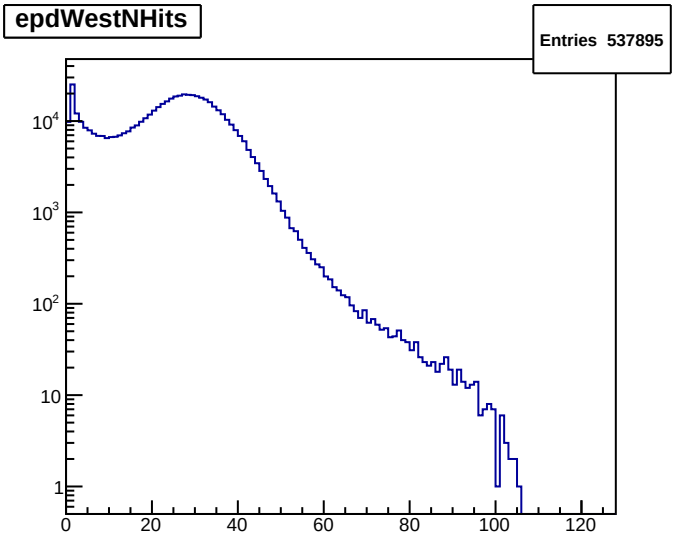
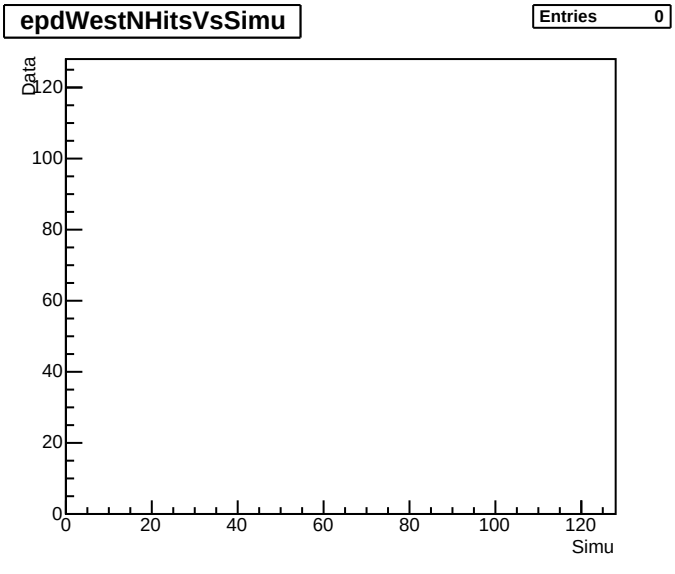
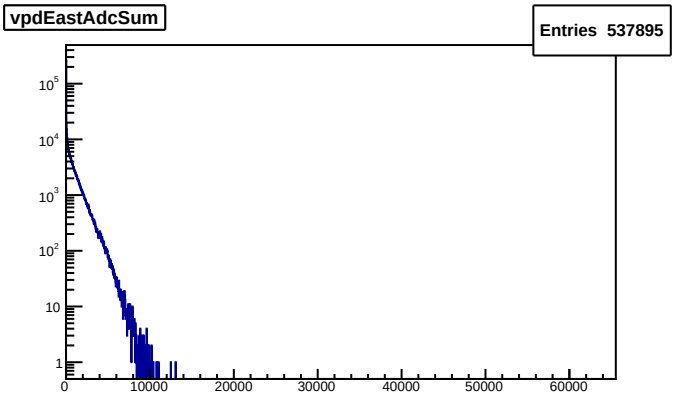
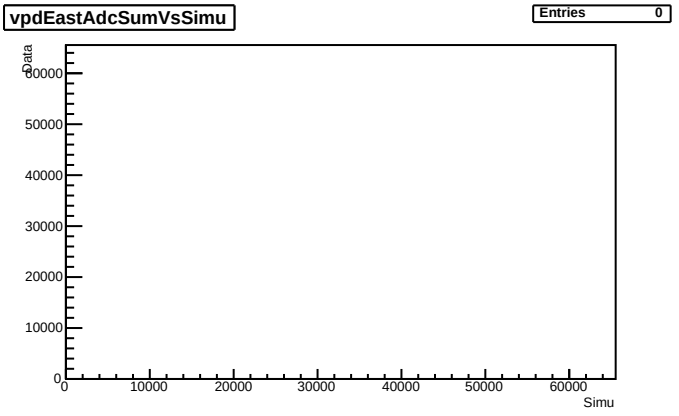
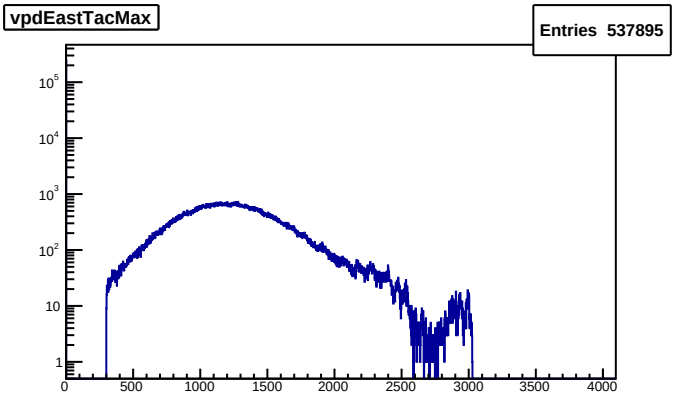
Entries 0
Data
Simu

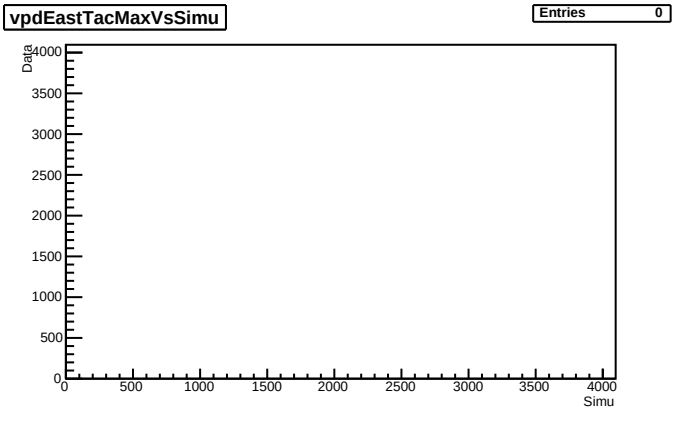

epdWestNHits
Entries 537895

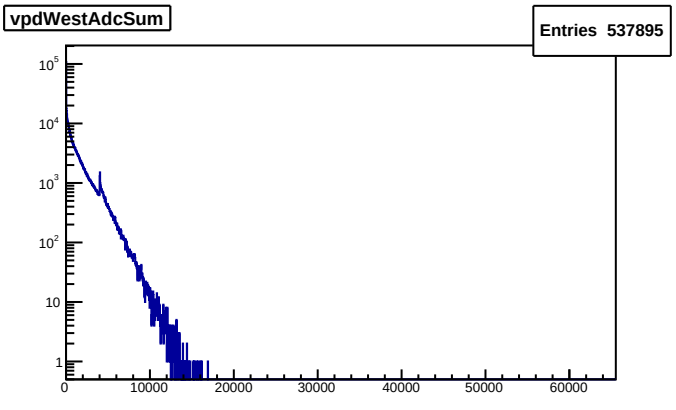

epdWestNHitsVsSimu
Entries 0
Data
Simu

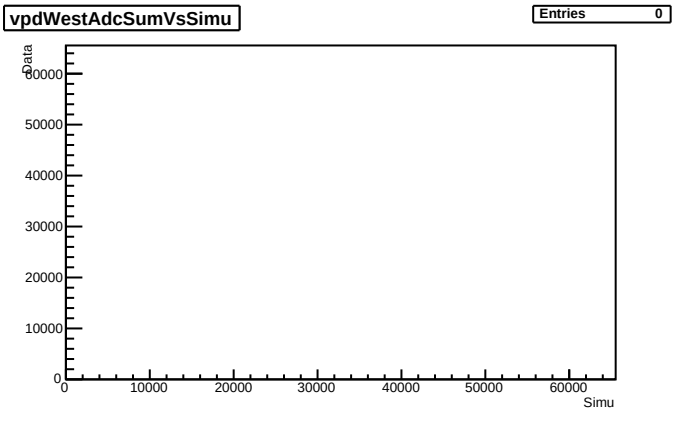

vpdEastAdcSum
Entries 537895

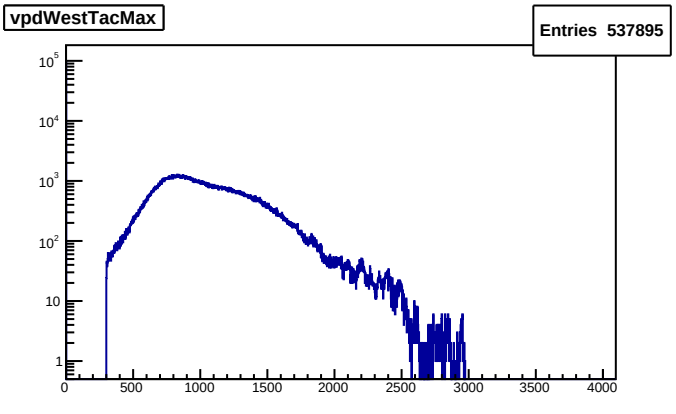

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

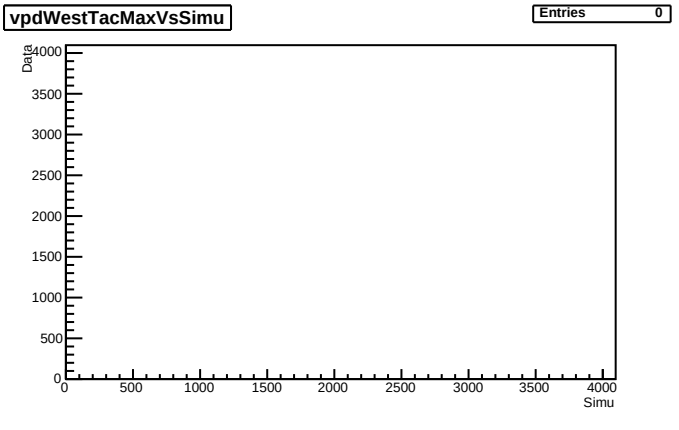

vpdEastTacMax
Entries 537895

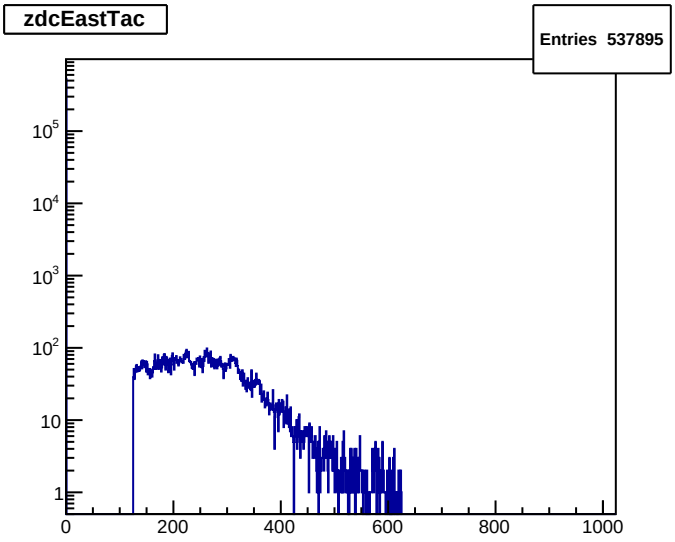

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

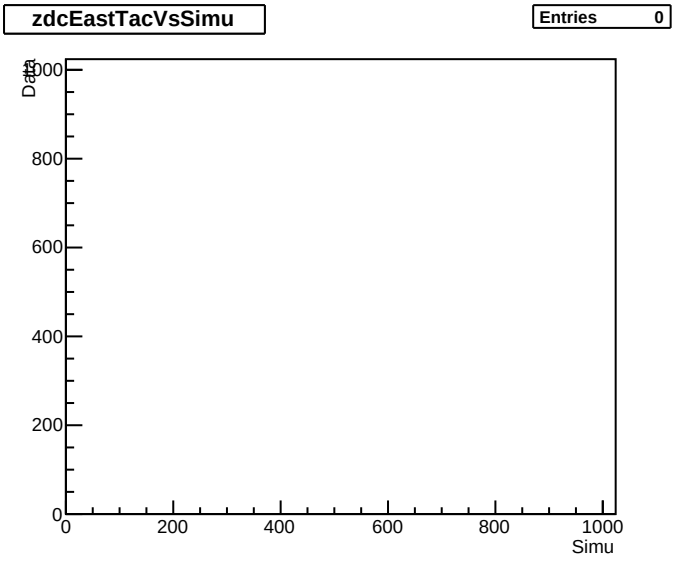

vpdWestAdcSum
Entries 537895

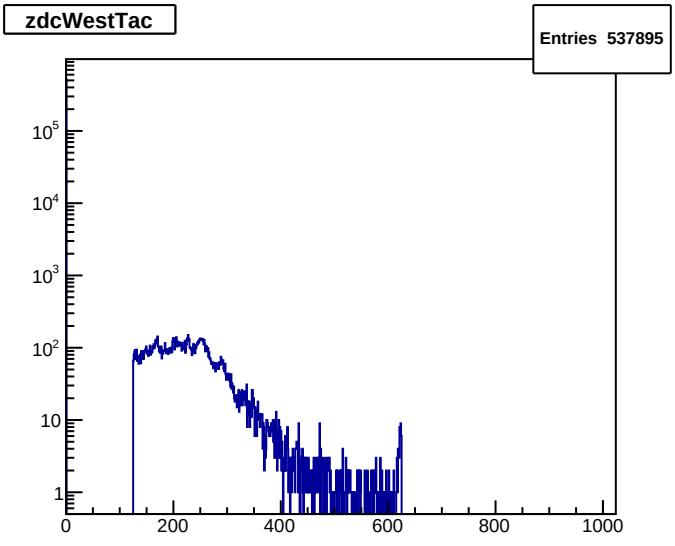

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

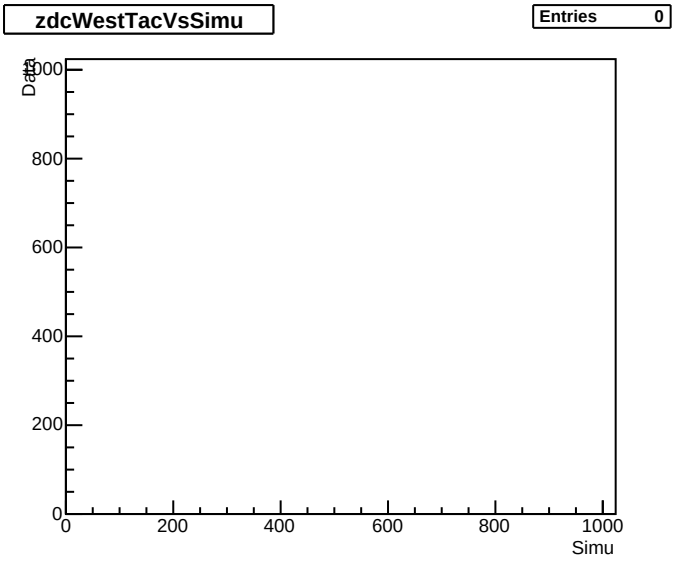

vpdWestTacMax
Entries 537895

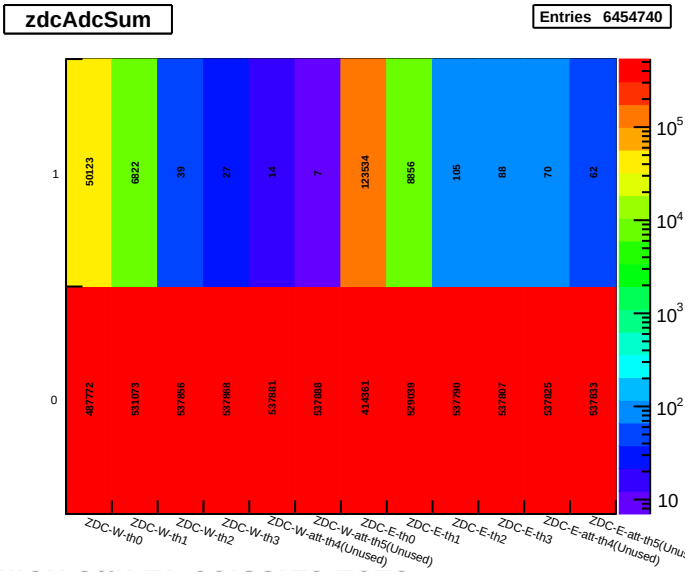

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

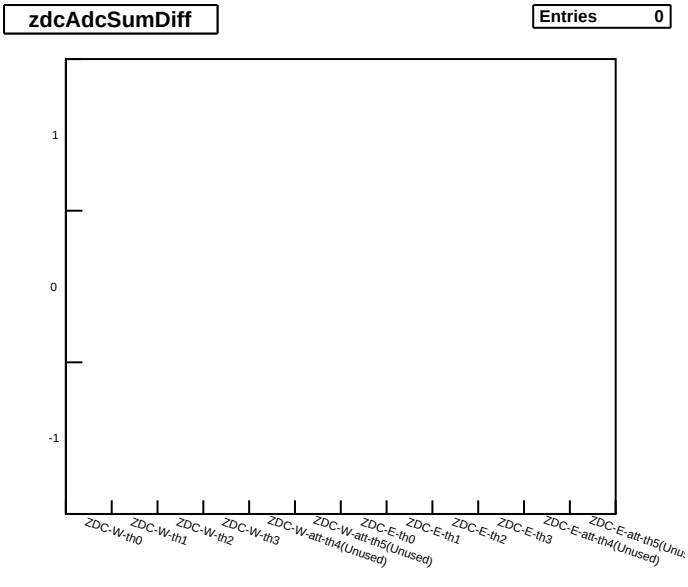

zdcEastTac
Entries 537895
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

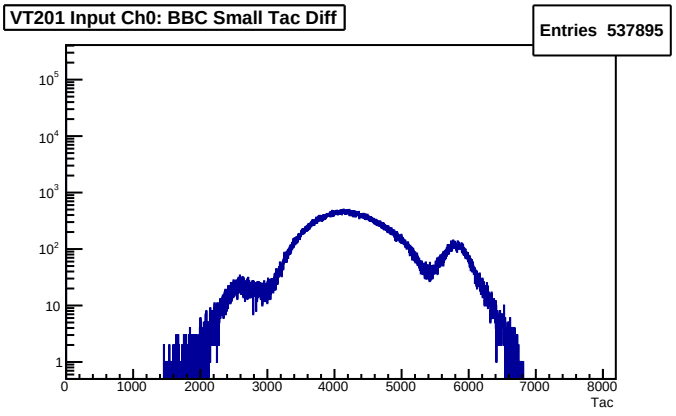

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

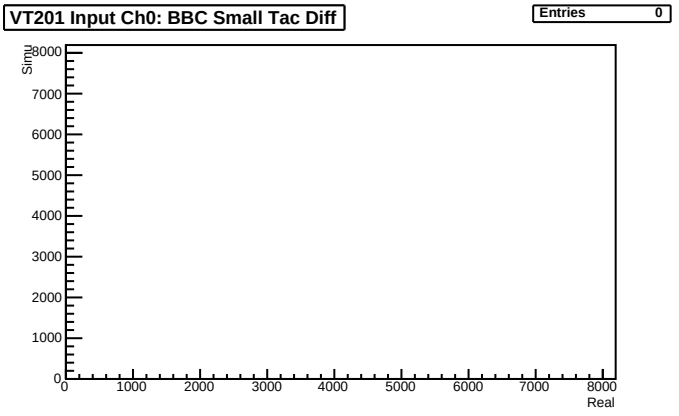

zdcWestTac
Entries 537895
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

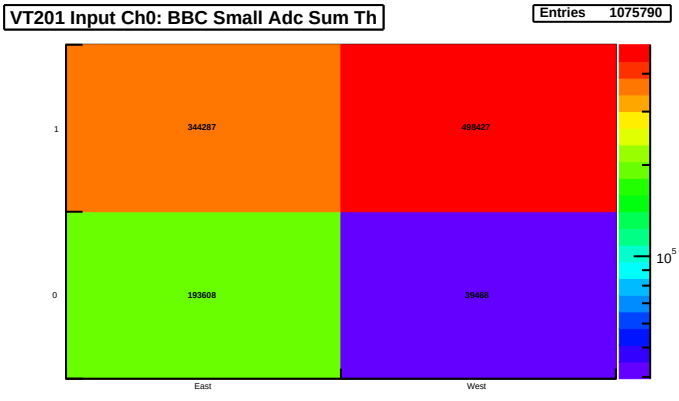

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

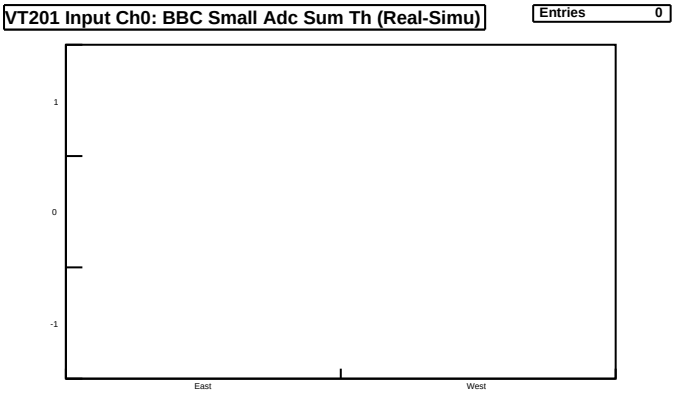

zdcAdcSum
Entries 6454740
1
0
50123
6822
39
27
14
7
123534
8856
105
88
70
62
487772
531073
537856
537868
537881
537888
414361
529039
537790
537807
537825
537833
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

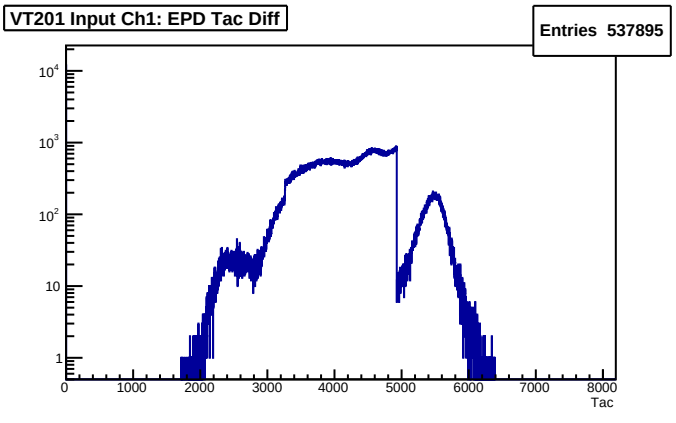

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

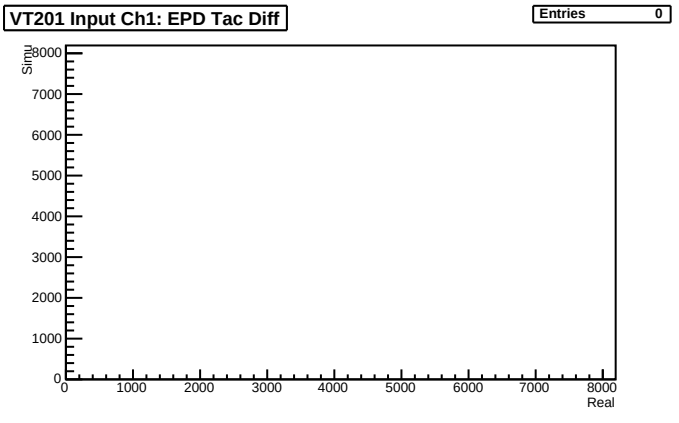

VT201 Input Ch0: BBC Small Tac Diff
Entries 537895
Tac

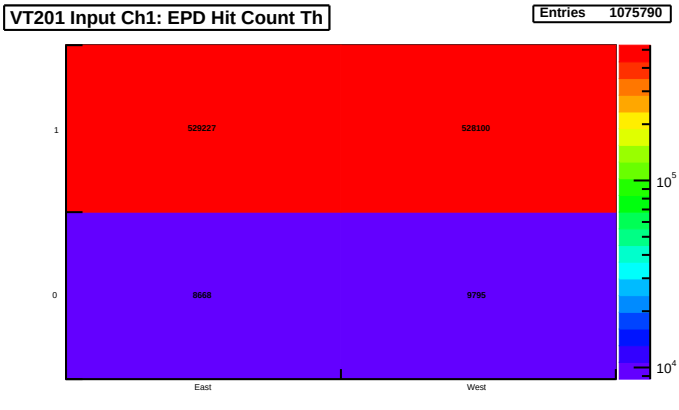

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

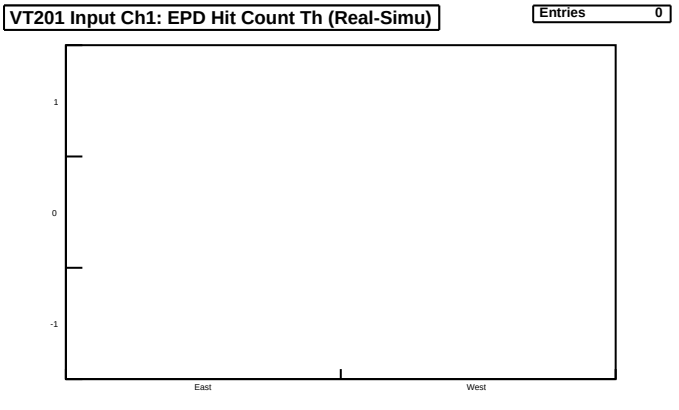

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1075790
344287
498427
193608
39468
East
West

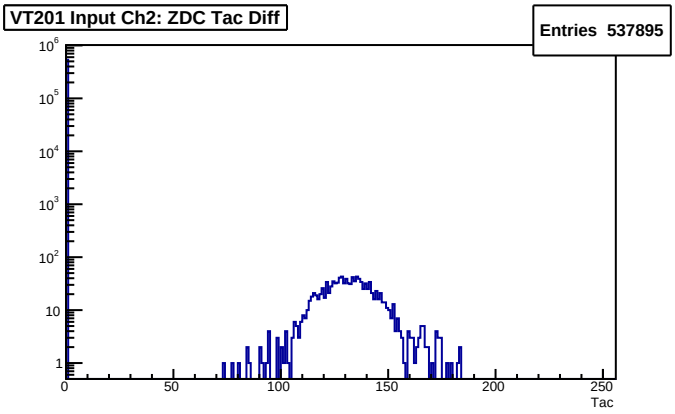

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

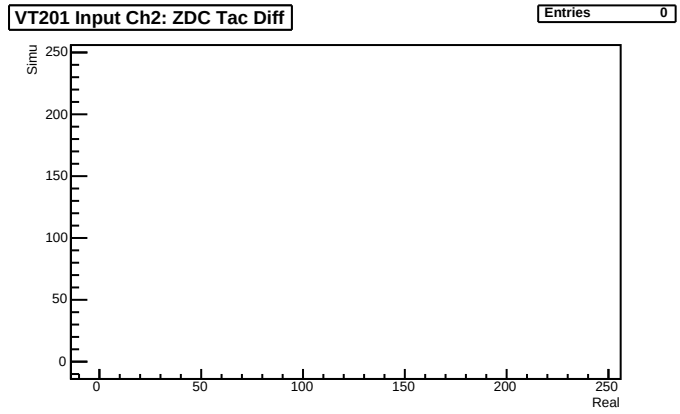

VT201 Input Ch1: EPD Tac Diff
Entries 537895
Tac

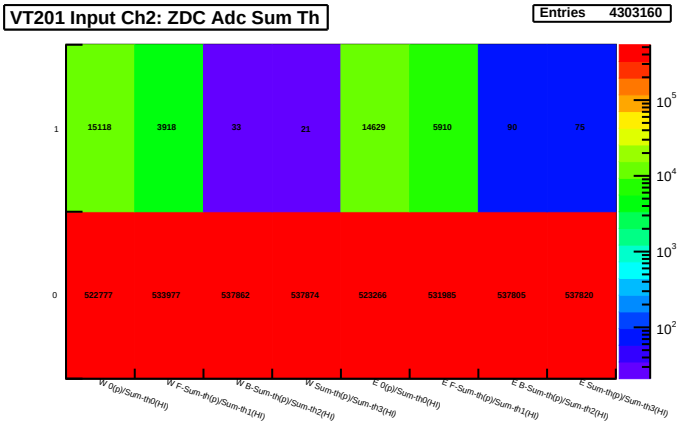

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

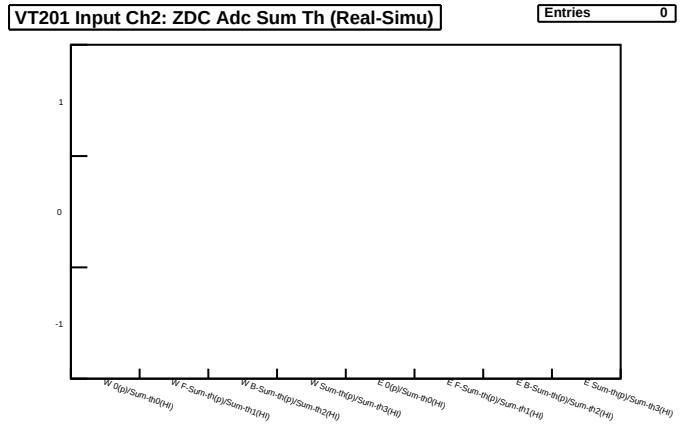

VT201 Input Ch1: EPD Hit Count Th
Entries 1075790
529227
528100
8668
9795
East
West

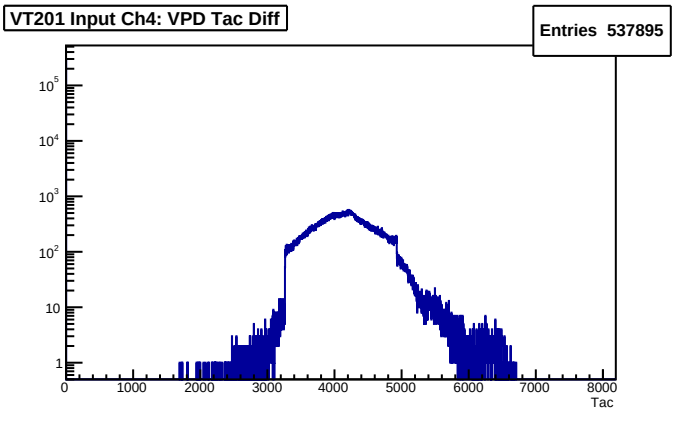

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

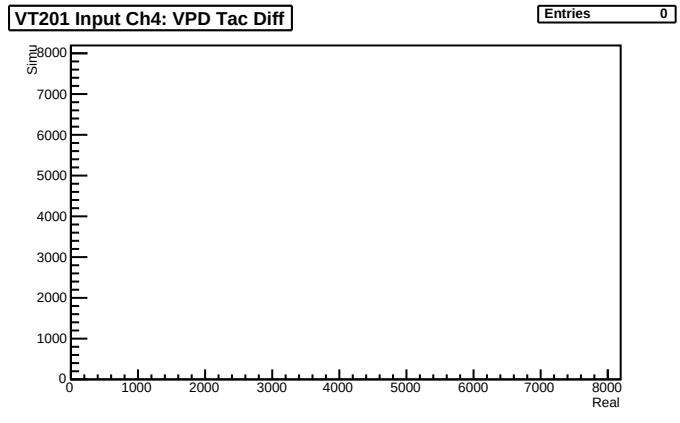

VT201 Input Ch2: ZDC Tac Diff
Entries 537895
Tac

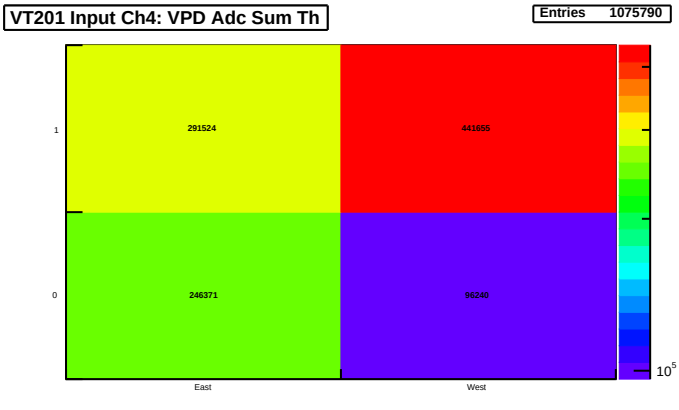

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

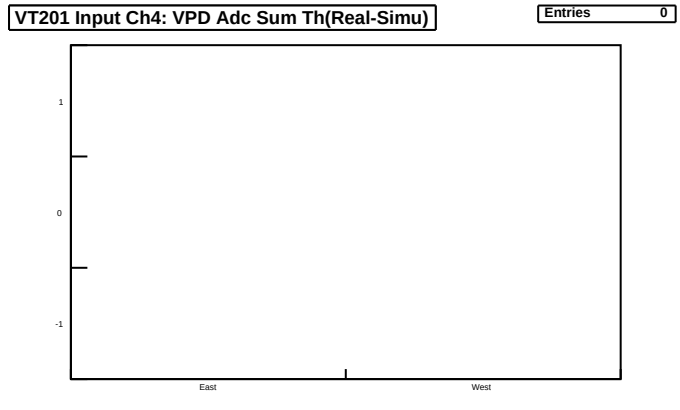

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4303160
15118
3918
33
21
14629
5910
90
75
522777
533977
537862
537874
523266
531985
537805
537820
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

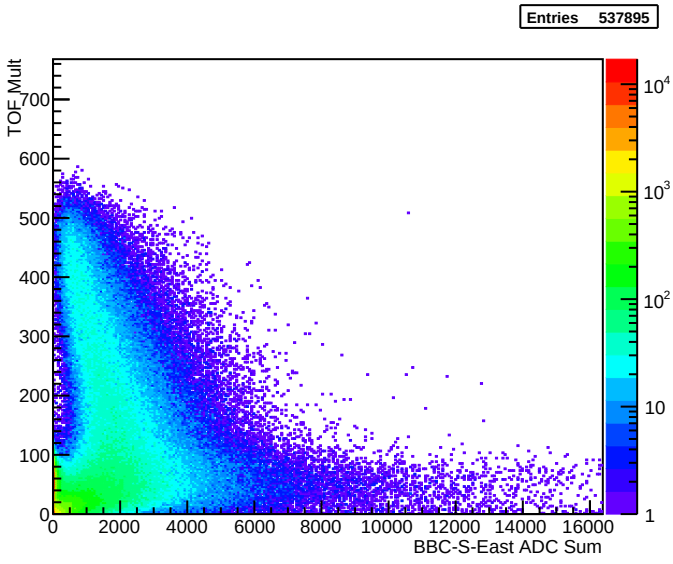

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

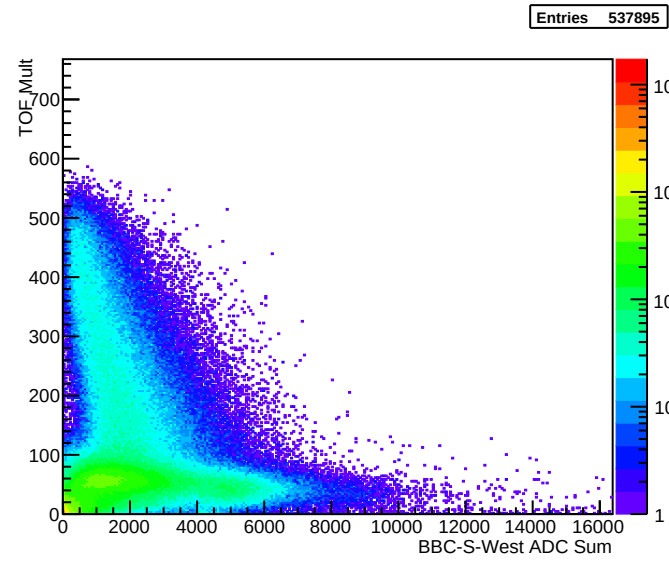

VT201 Input Ch4: VPD Tac Diff
Entries 537895
Tac

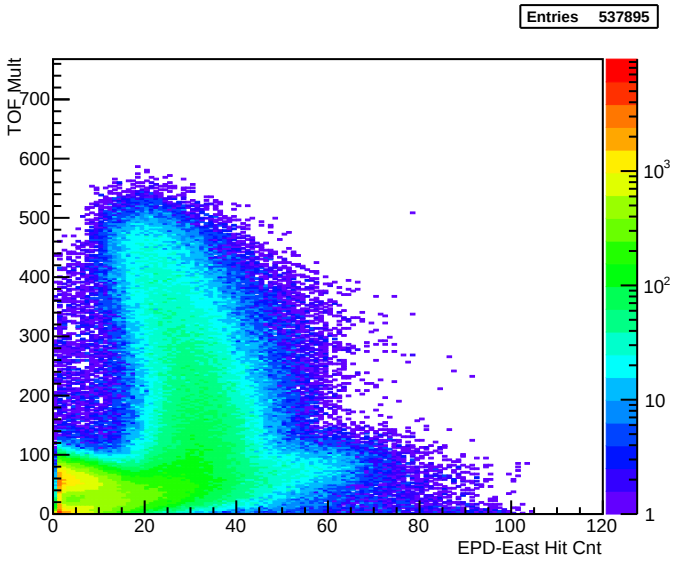

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

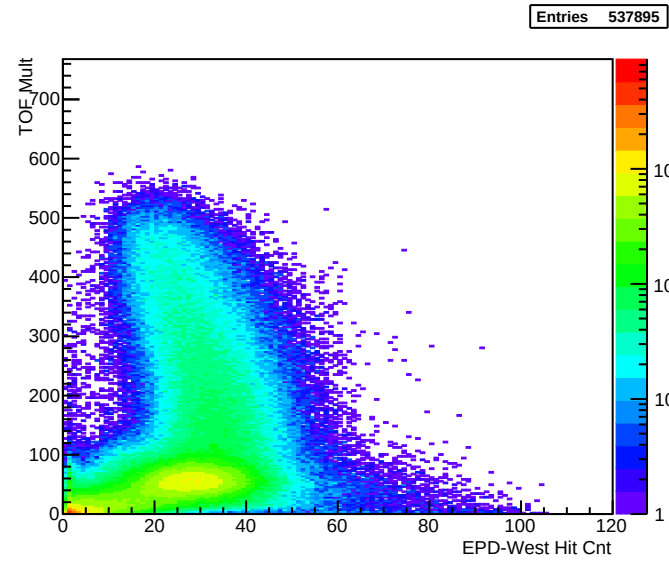

VT201 Input Ch4: VPD Adc Sum Th
Entries 1075790
291524
441655
246371
96240
East
West

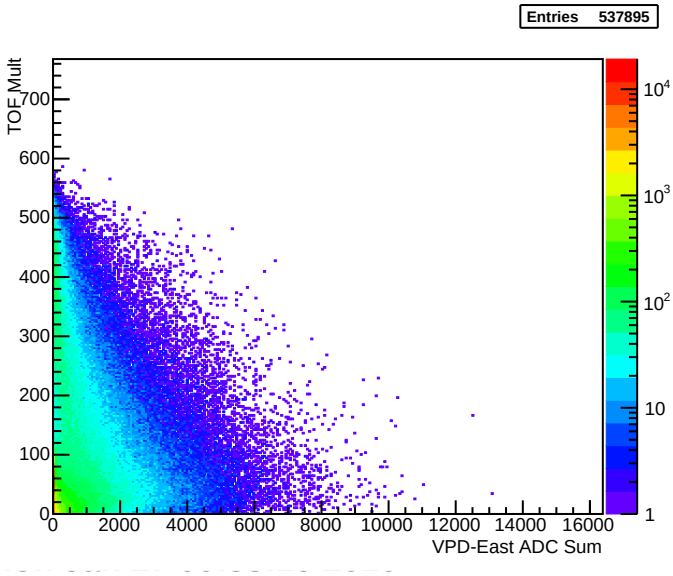

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

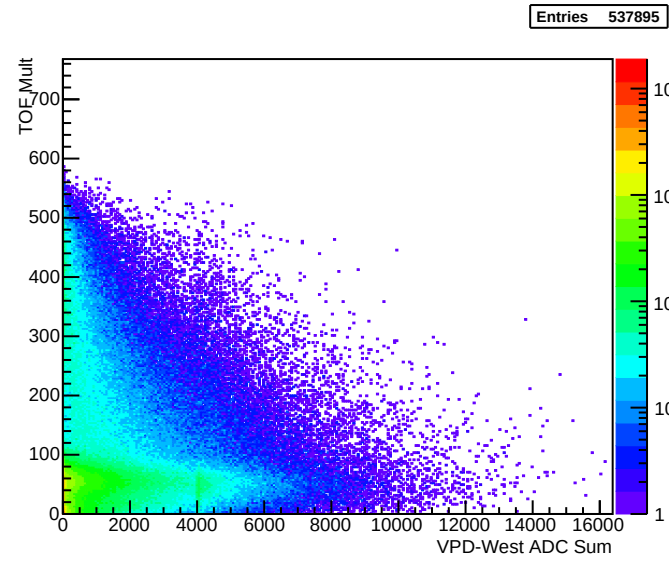

Entries 537895
TOF_Mult
BBC-S-East ADC Sum

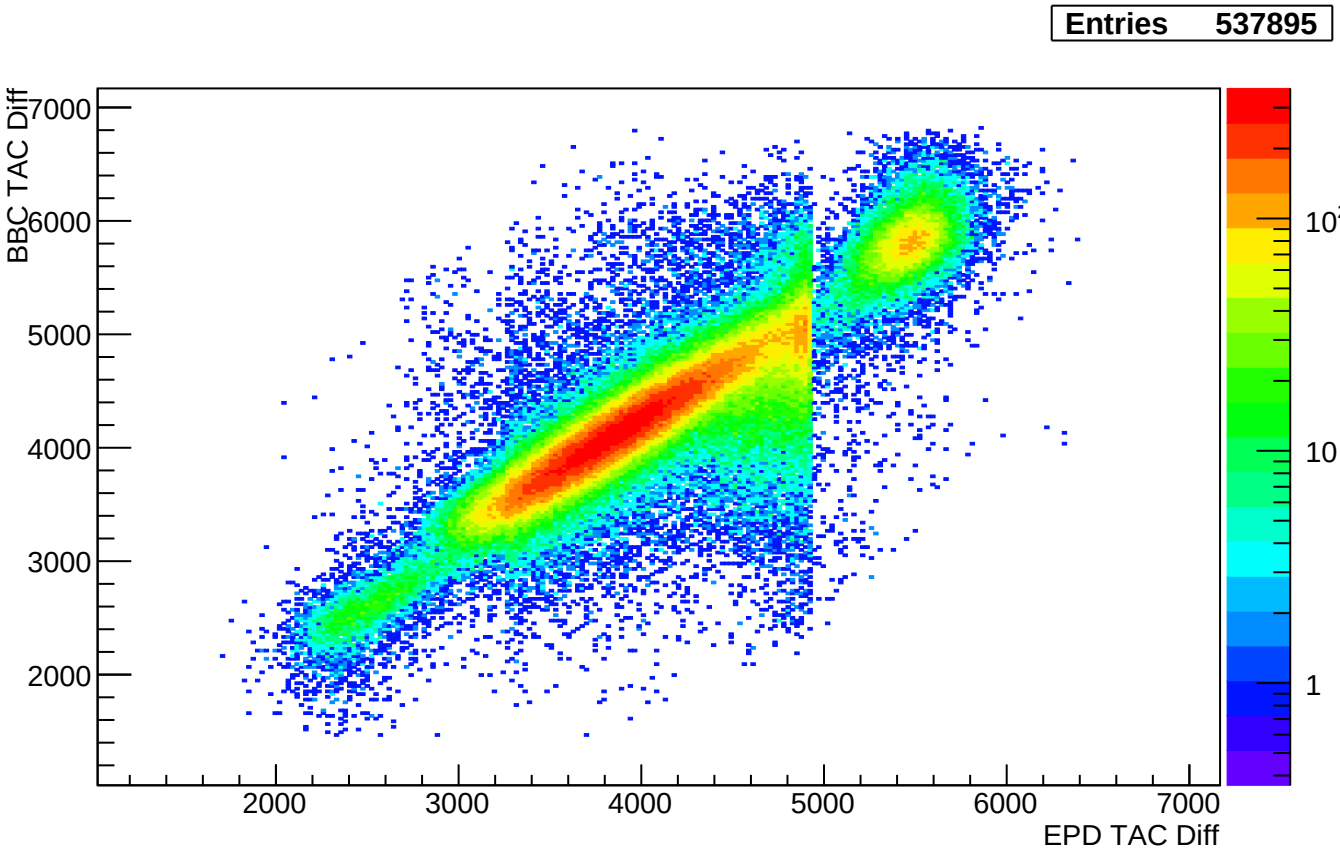

Entries 537895
TOF_Mult
BBC-S-West ADC Sum

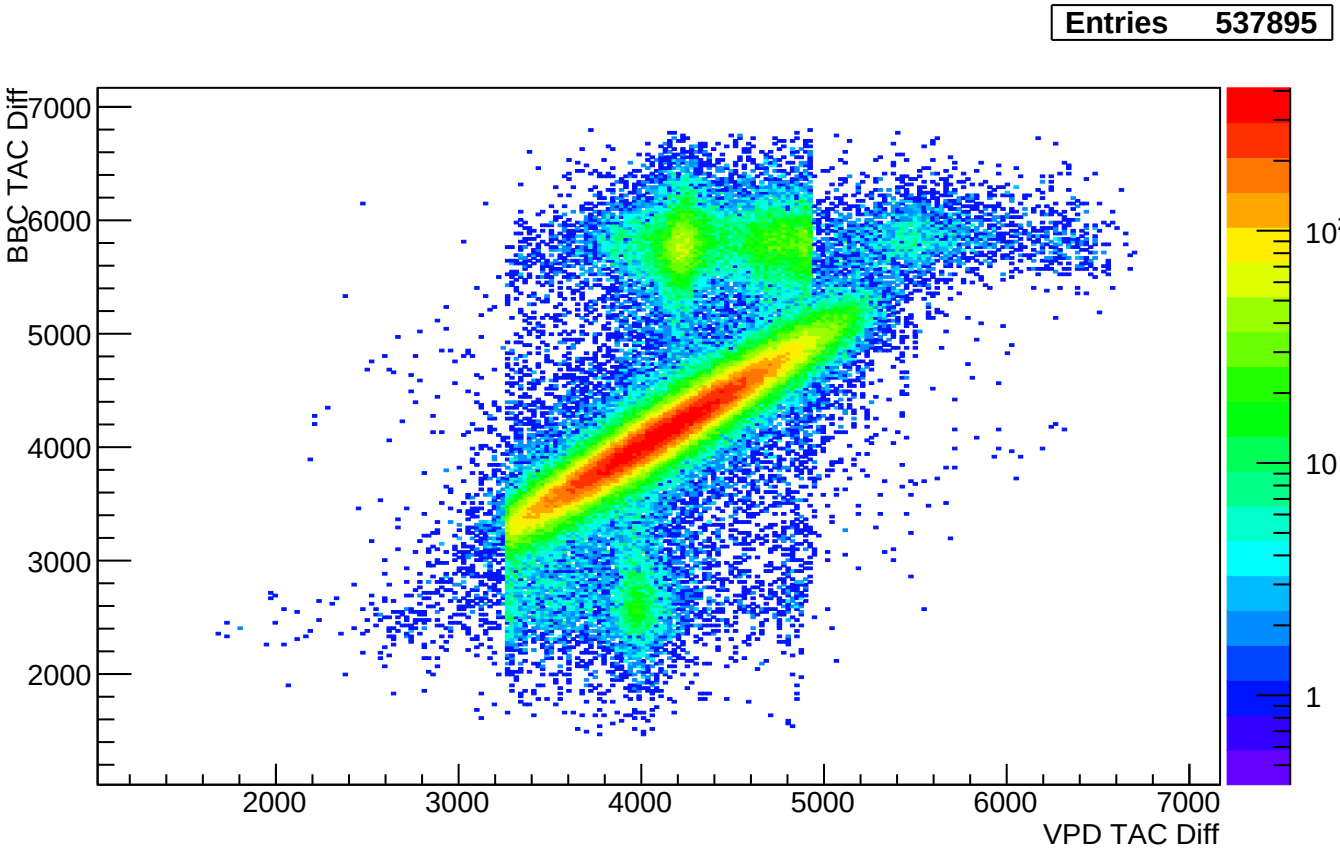

Entries 537895
TOF_Mult
EPD-East Hit Cnt

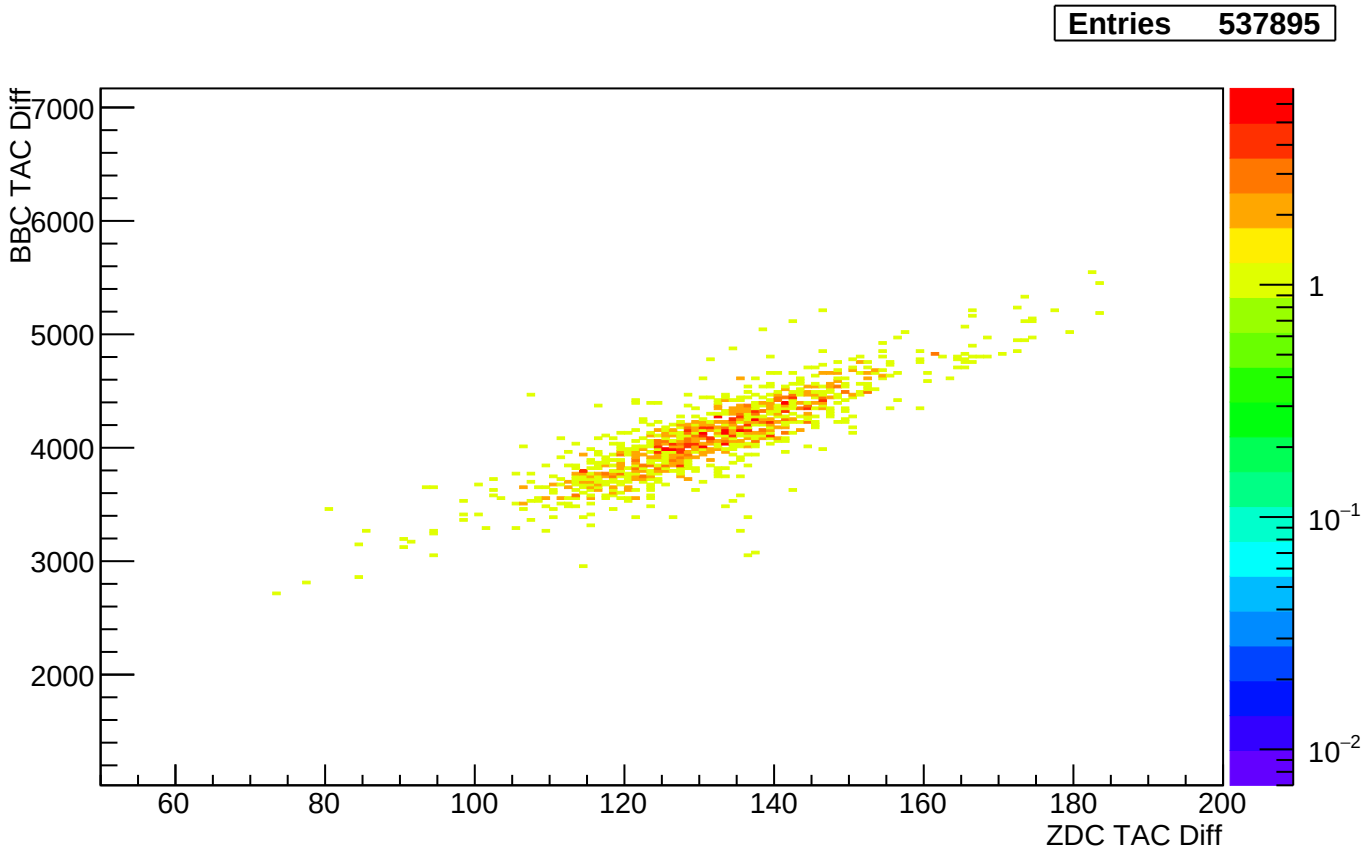

Entries 537895
TOF_Mult
EPD-West Hit Cnt

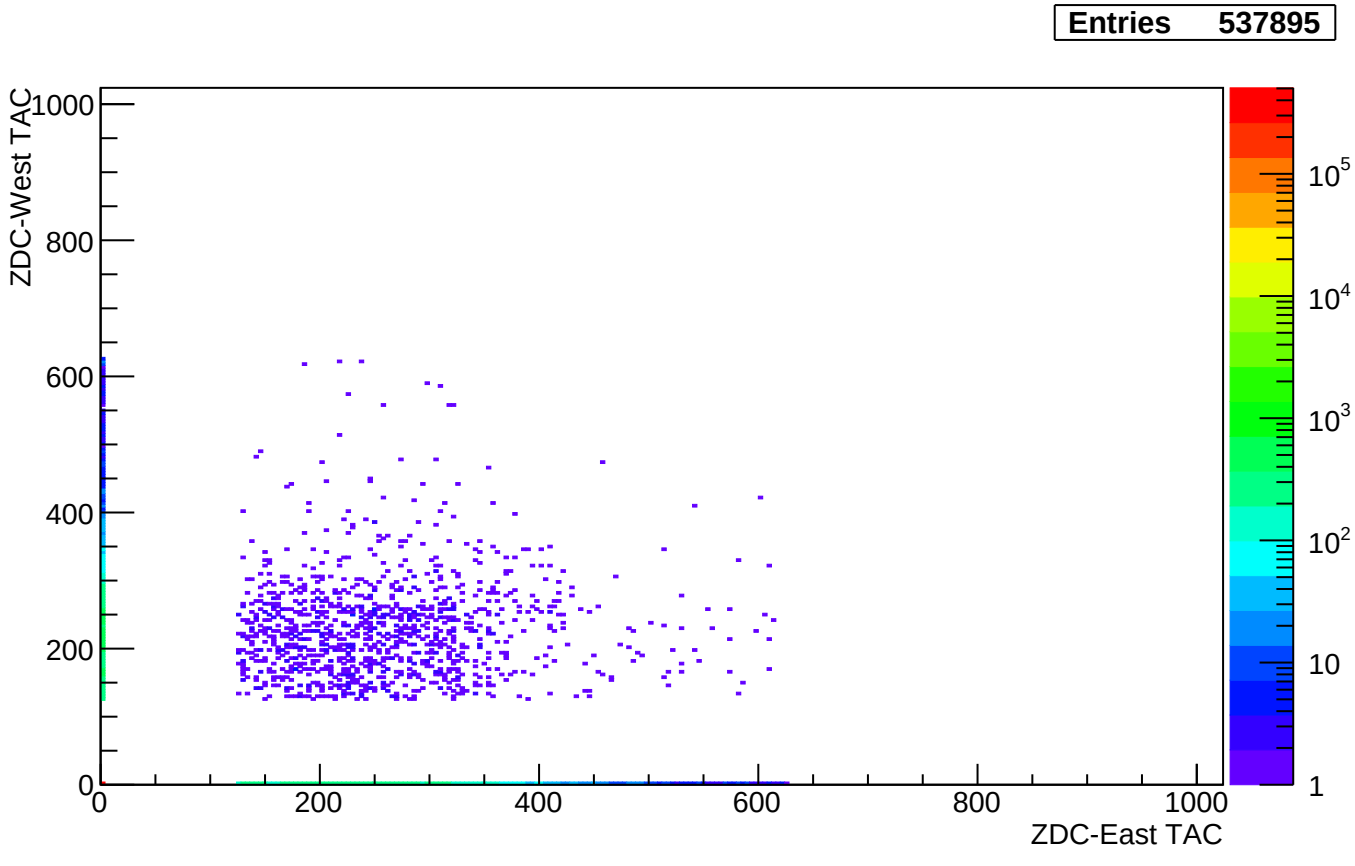

Entries 537895
TOF_Mult
VPD-East ADC Sum

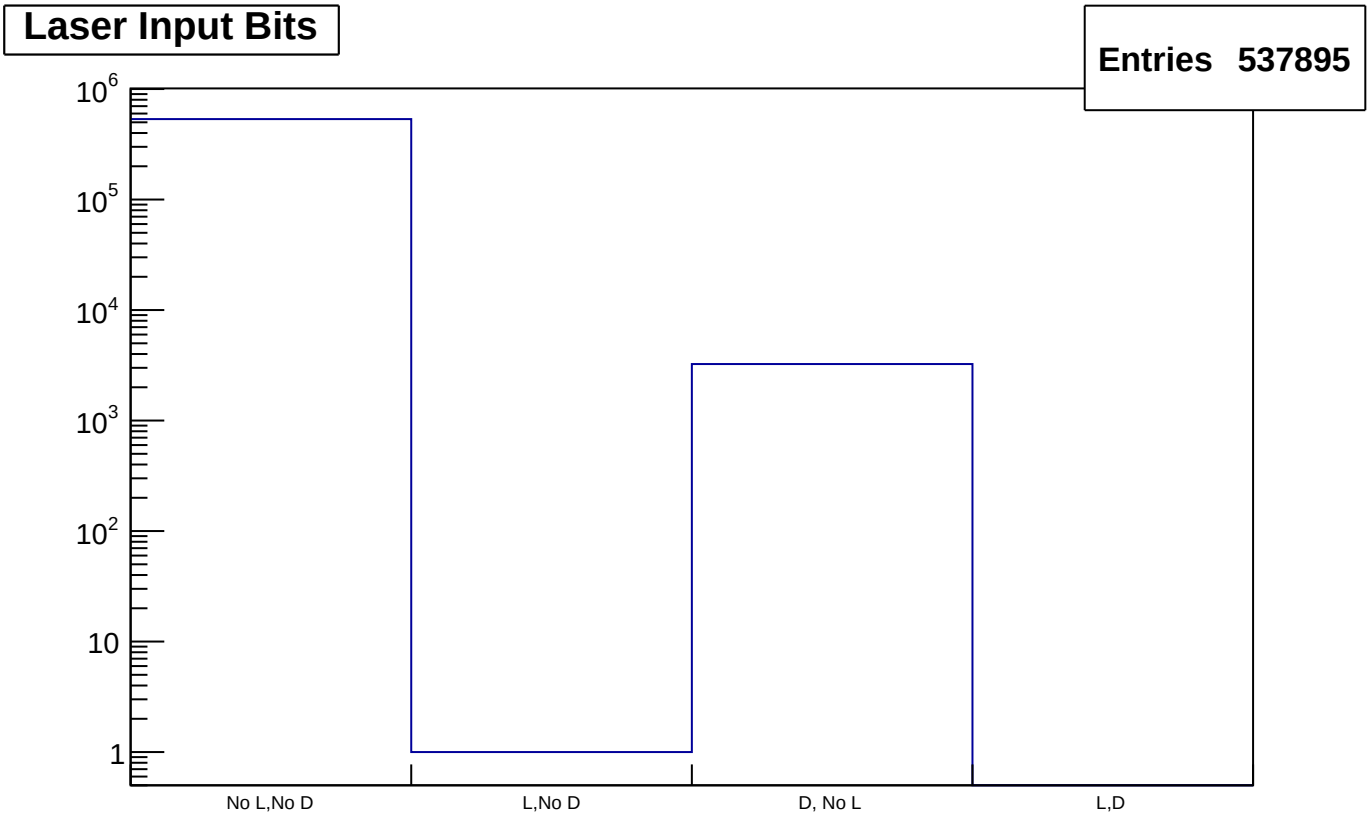

Entries 537895
TOF_Mult
VPD-West ADC Sum

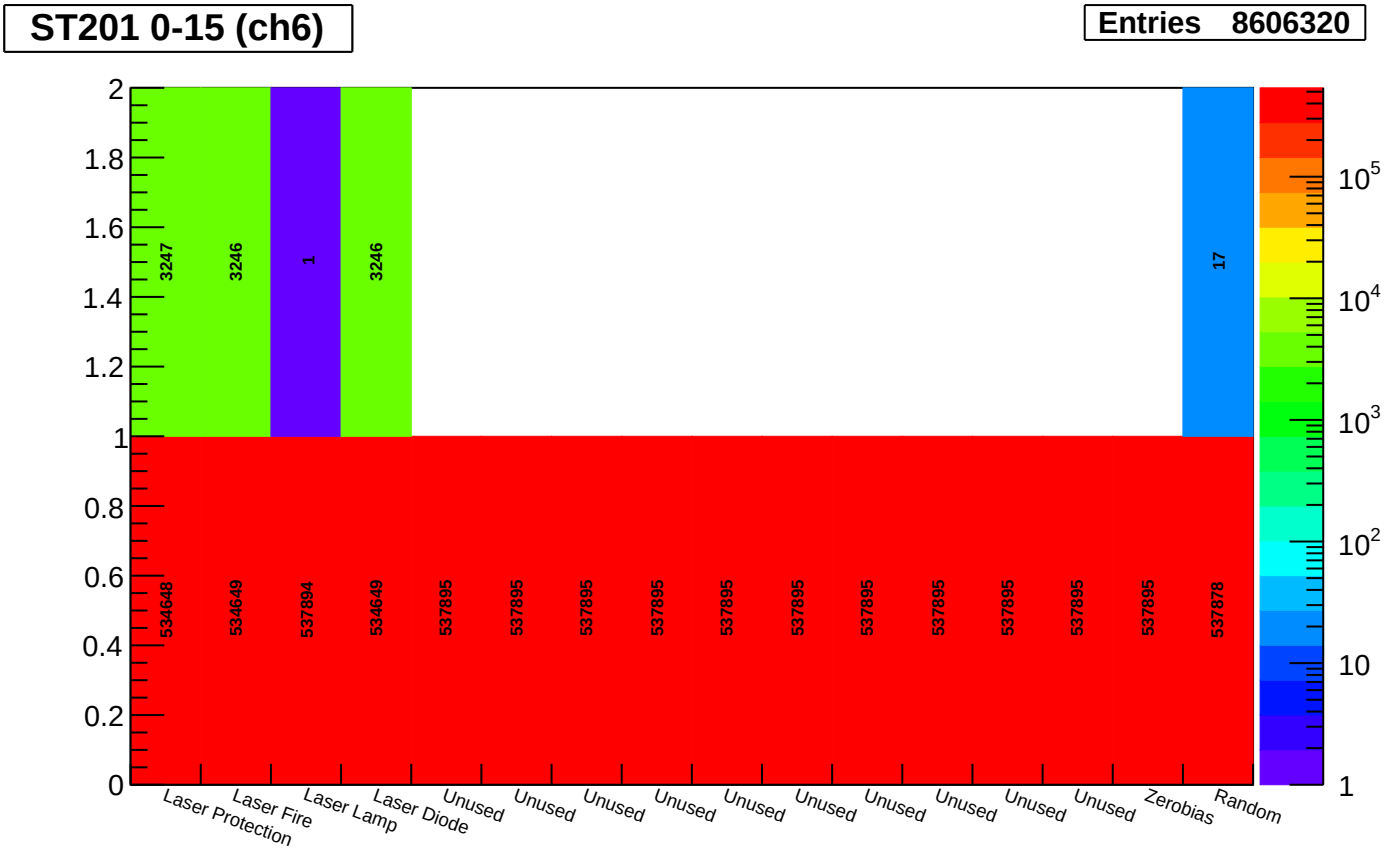

Entries 537895
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

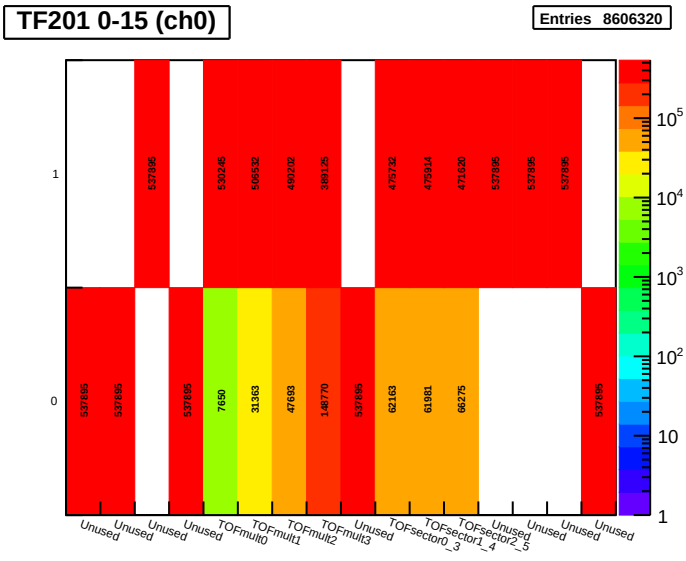

Entries 537895
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

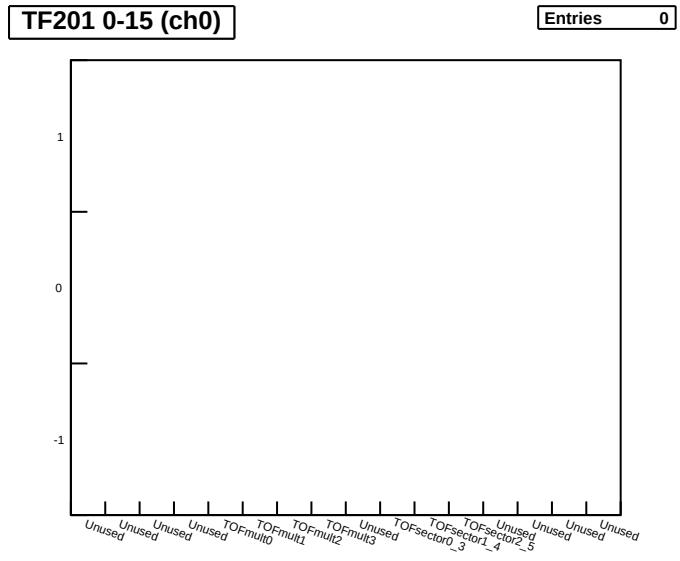

Entries 537895
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

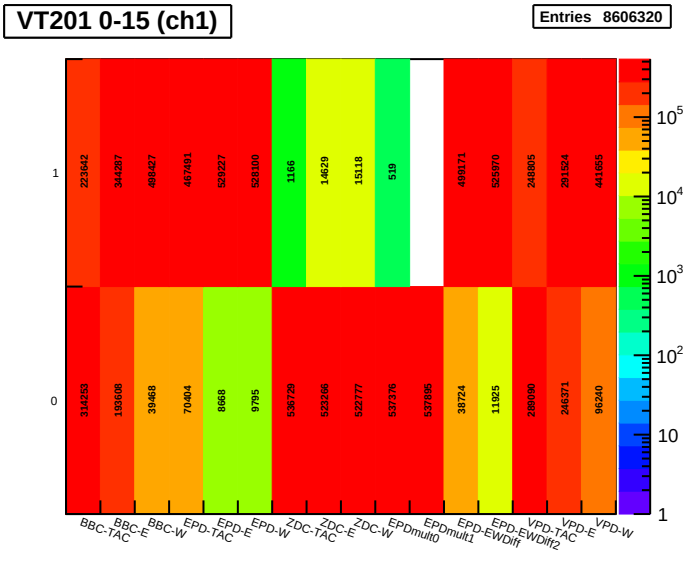

Entries 537895
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

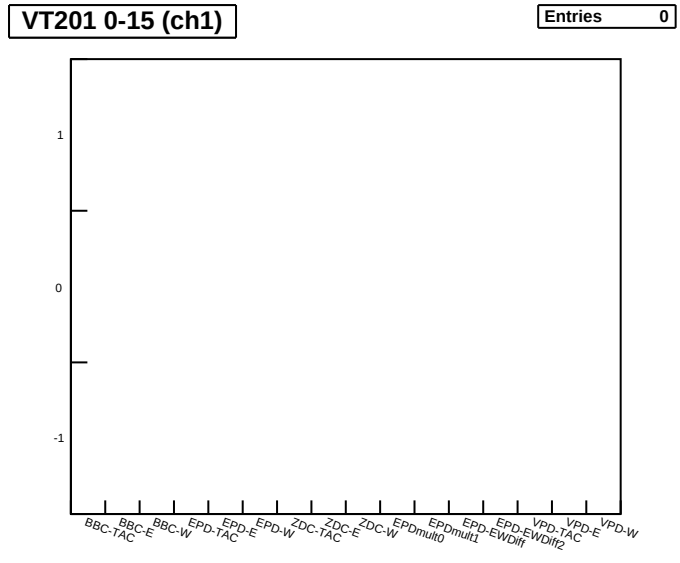

Laser Input Bits
Entries 537895
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

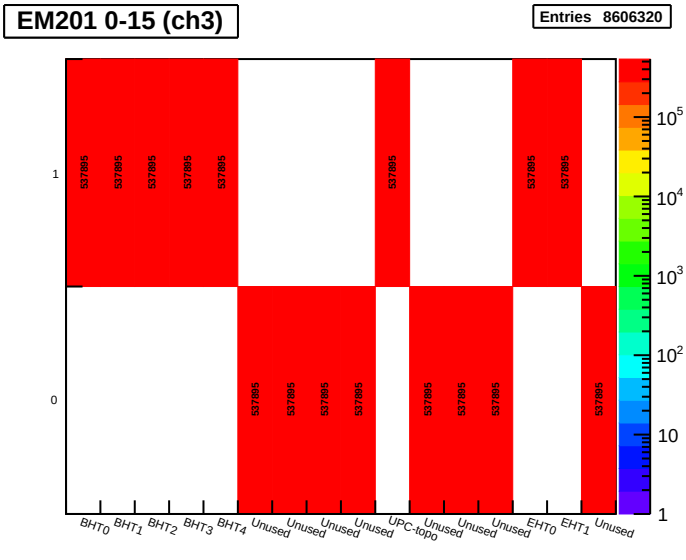

ST201 0-15 (ch6)
Entries 8606320
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3247
3246
1
3246
17
534648
534649
537894
534649
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537878
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

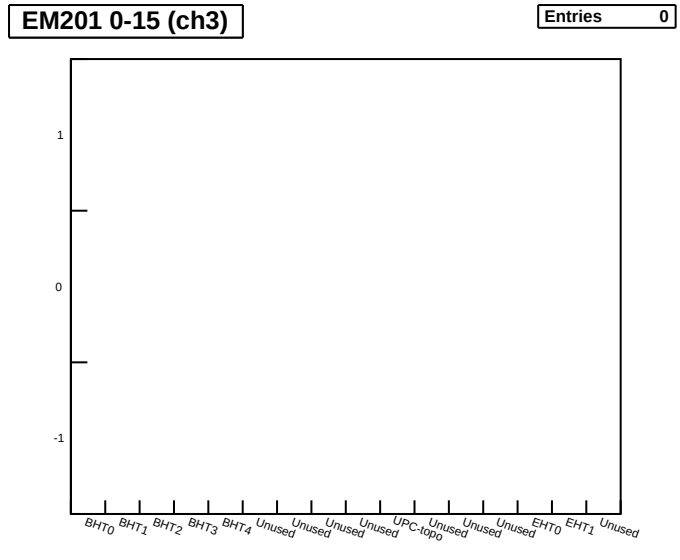

TF201 0-15 (ch0)
Entries 8606320
1
0
537895
530245
506532
490202
389125
475732
475914
471620
537895
537895
537895
537895
537895
537895
7650
31363
47693
148770
537895
62163
61981
66275
537895
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 8606320
1
0
223642
344287
484427
467491
529227
528100
1166
14629
15118
519
499171
525970
248805
291524
441655
314253
193608
39468
70404
8668
9795
536729
523266
522777
537376
537895
38724
11925
288090
246371
96240
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 8606320
1
0
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
537895
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