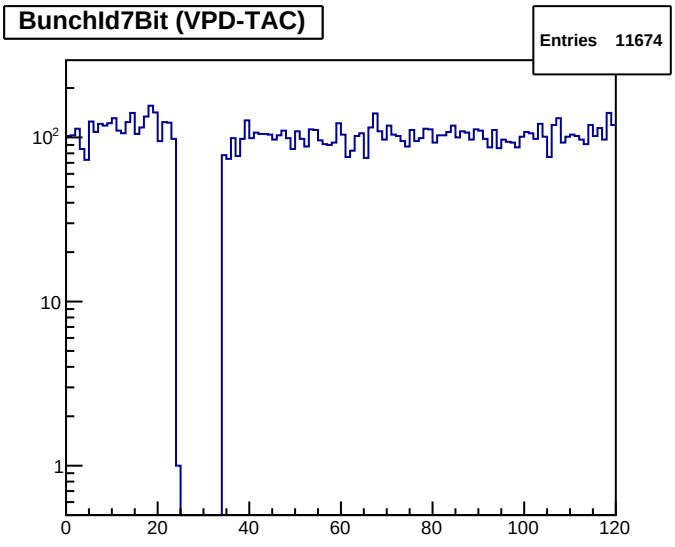
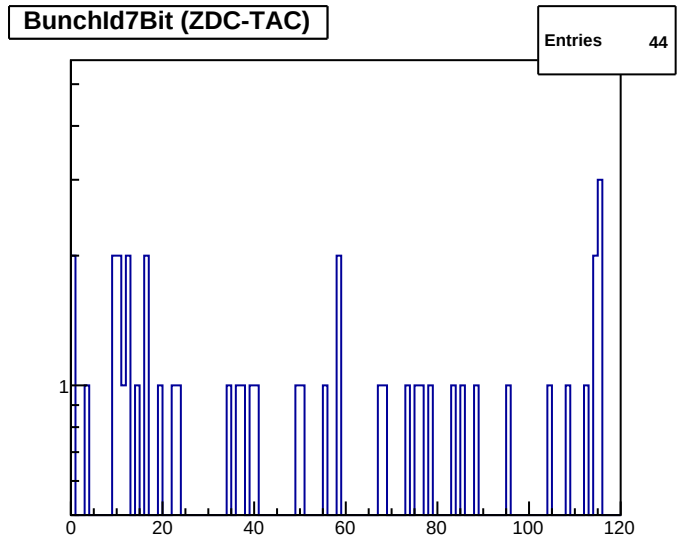
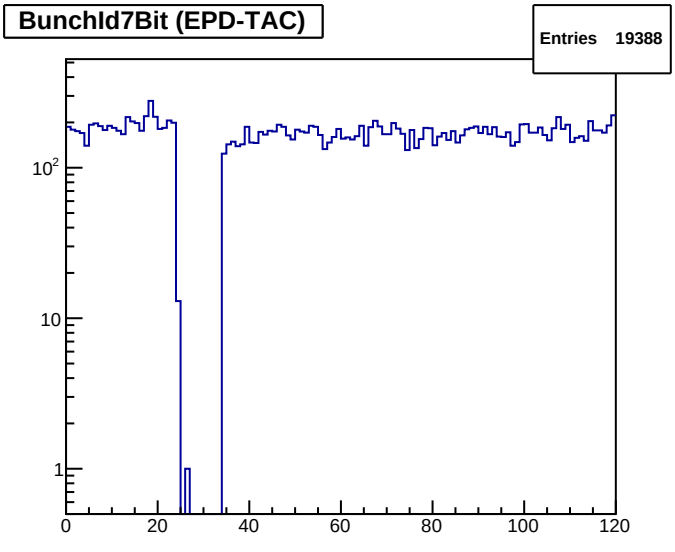
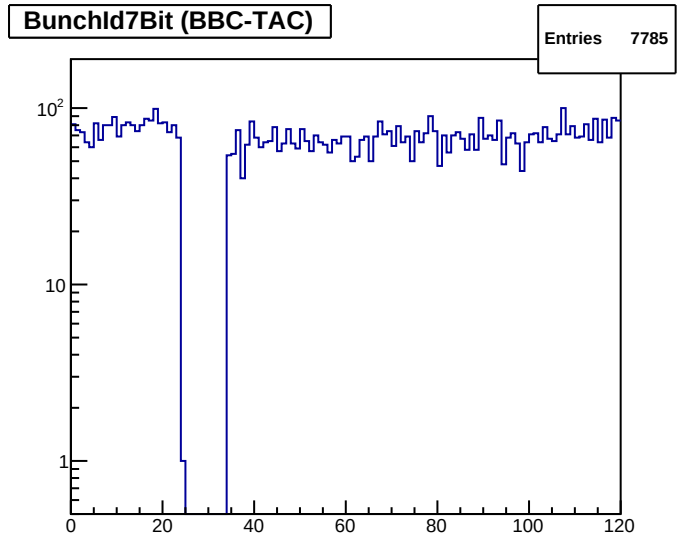
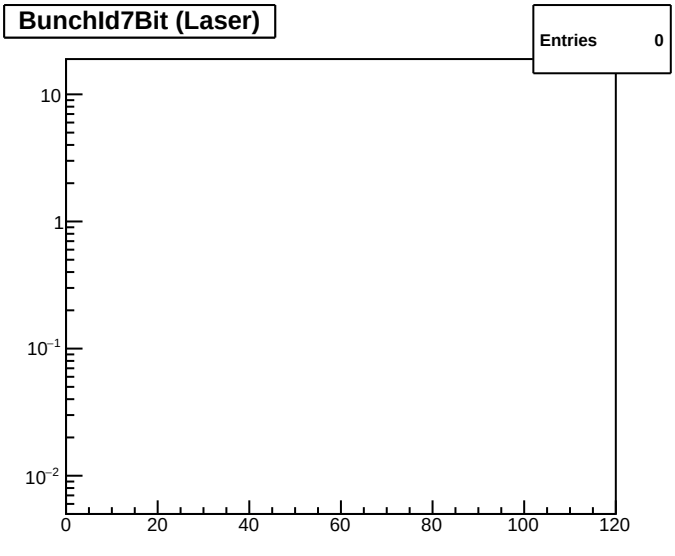
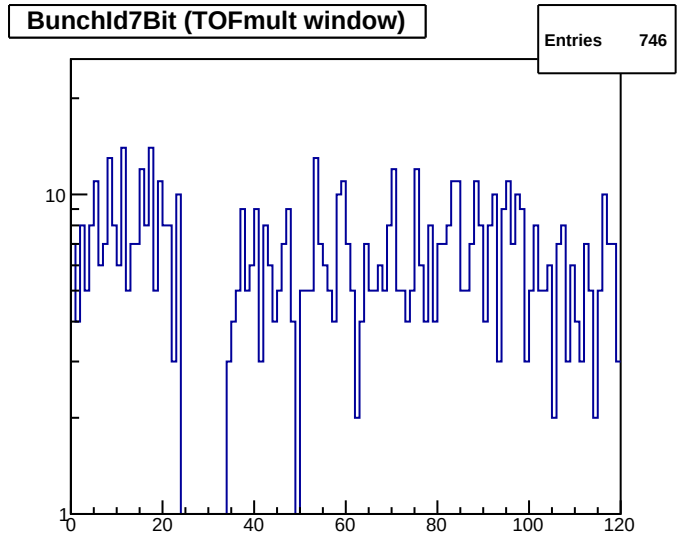

BunchId7Bit (VPD-TAC)
Entries 11674
10^2
10
1
0
20
40
60
80
100
120

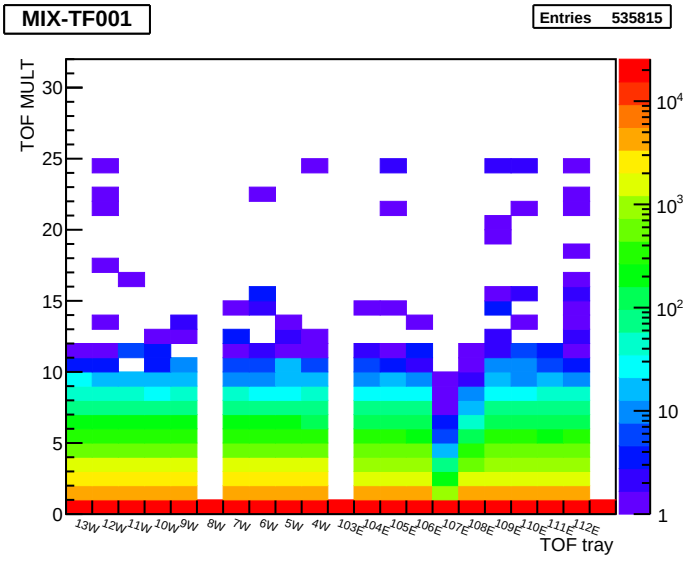

BunchId7Bit (ZDC-TAC)
Entries 44
1
0
20
40
60
80
100
120

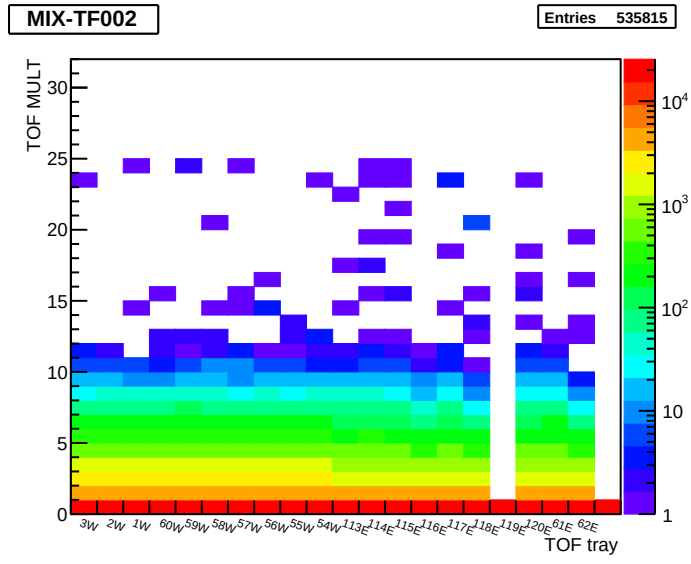

BunchId7Bit (EPD-TAC)
Entries 19388
10^2
10
1
0
20
40
60
80
100
120

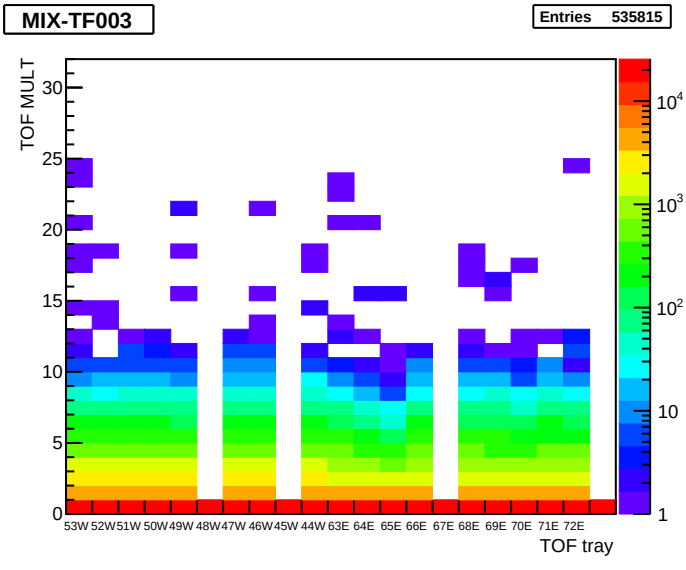

BunchId7Bit (BBC-TAC)
Entries 7785
10^2
10
1
0
20
40
60
80
100
120

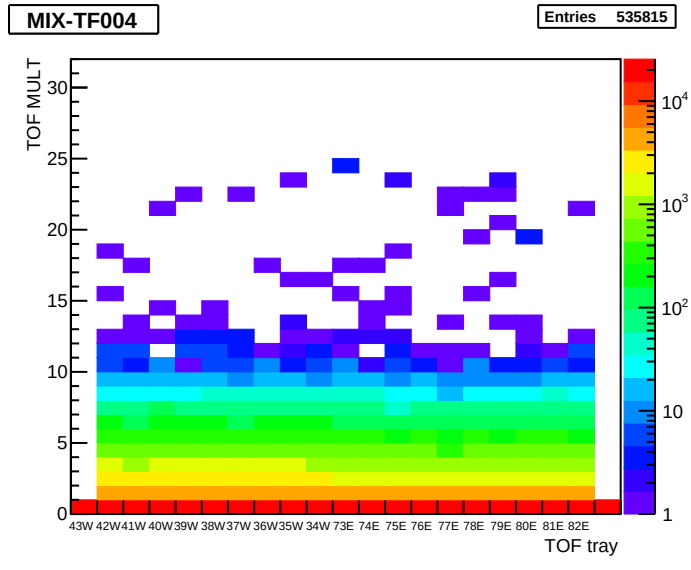

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

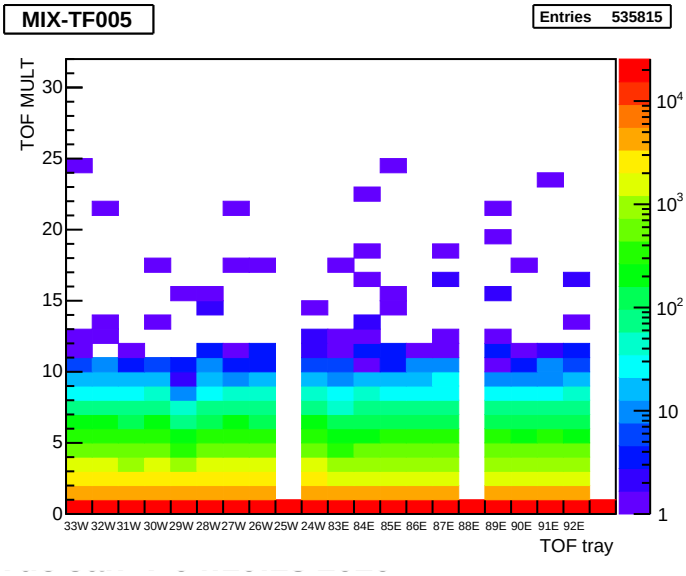

BunchId7Bit (TOFmult window)
Entries 746
10
1
0
20
40
60
80
100
120

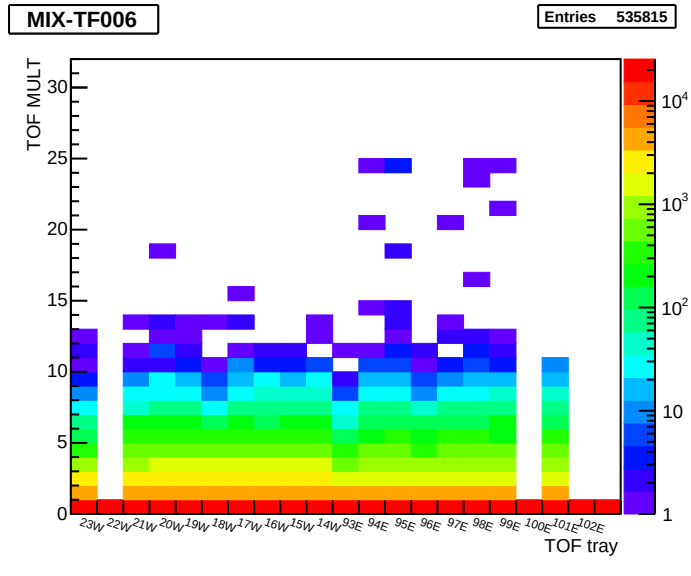

MIX-TF001
Entries 535815
TOF MULT
TOF tray

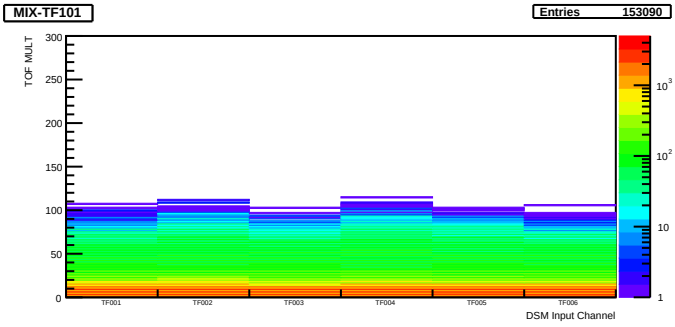

MIX-TF002
Entries 535815
TOF MULT
TOF tray

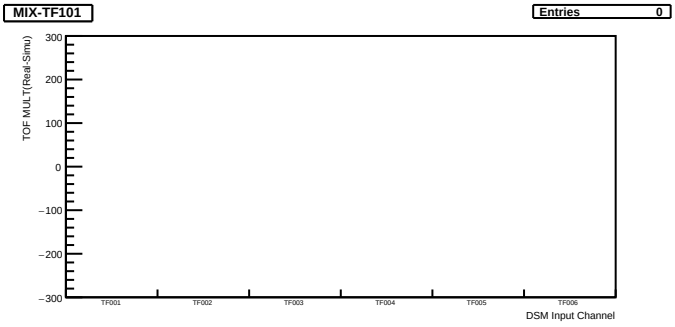

MIX-TF003
Entries 535815
TOF MULT
TOF tray

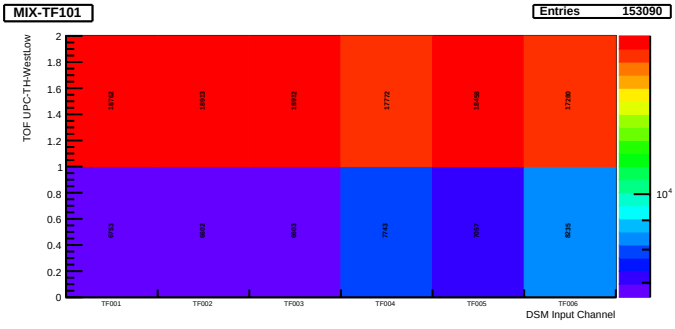

MIX-TF004
Entries 535815
TOF MULT
TOF tray

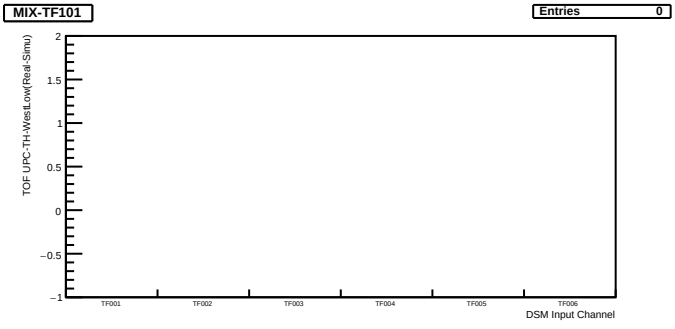

MIX-TF005
Entries 535815
TOF MULT
TOF tray

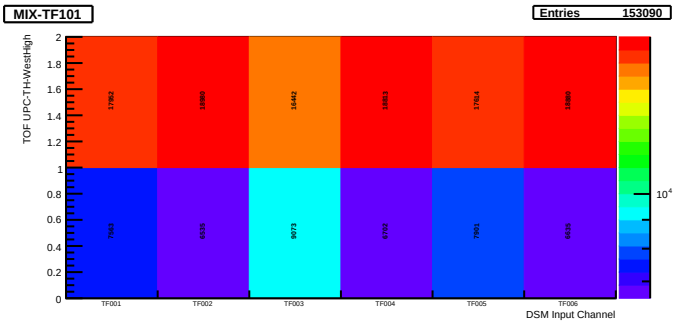

MIX-TF006
Entries 535815
TOF MULT
TOF tray

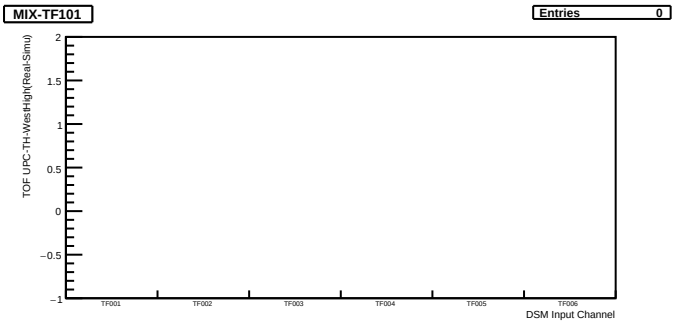

MIX-TF101
Entries 153090
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

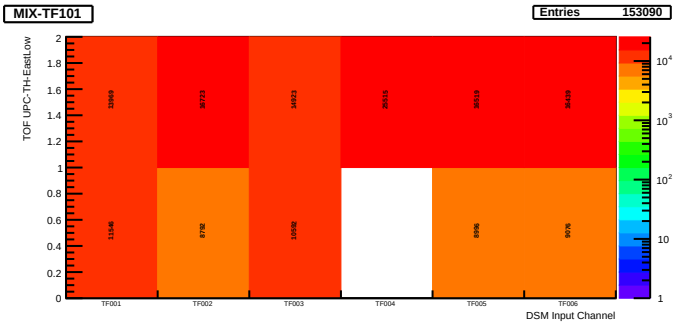

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

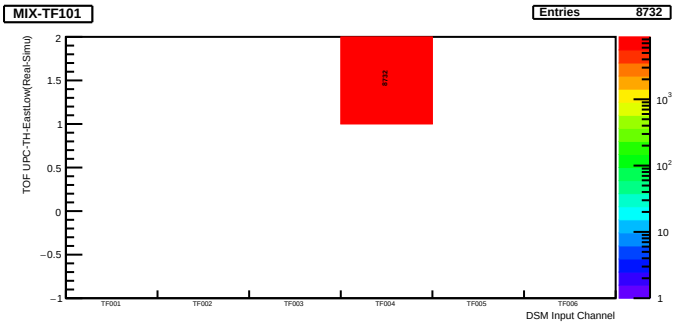

MIX-TF101
Entries 153090
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

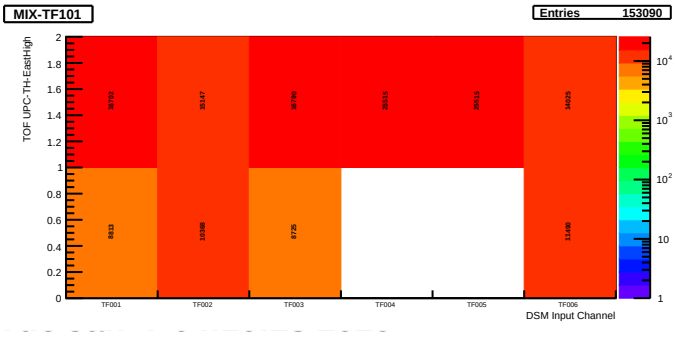

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

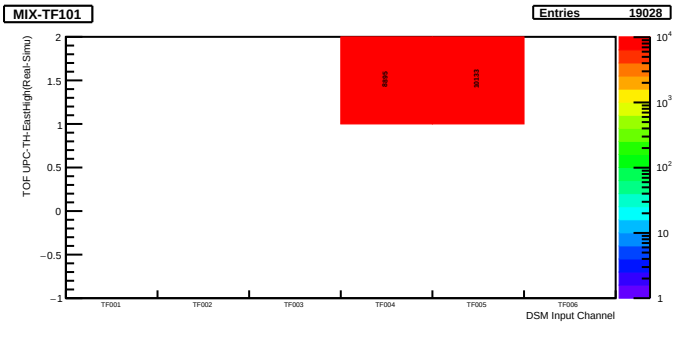

MIX-TF101
Entries 153090
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

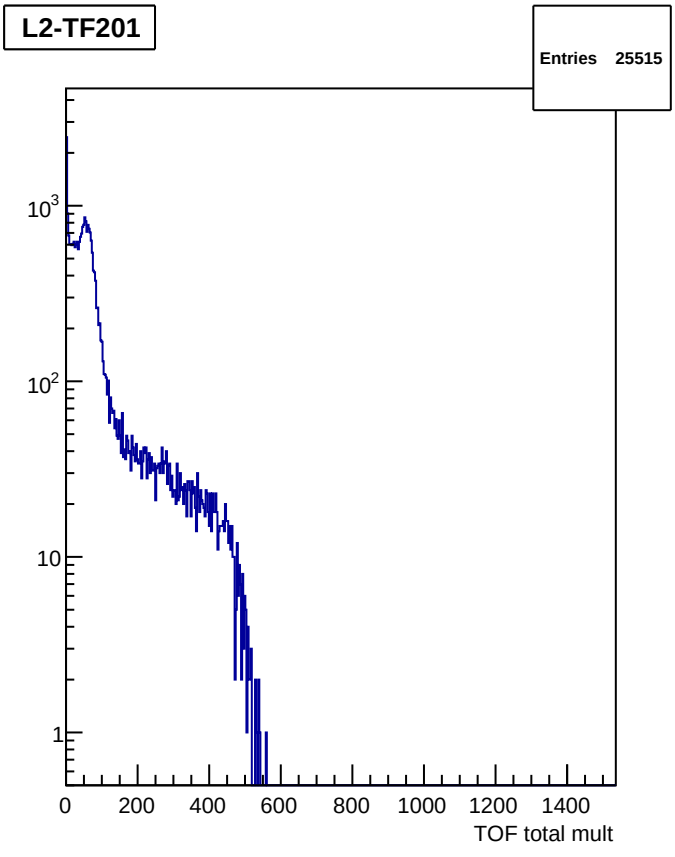

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

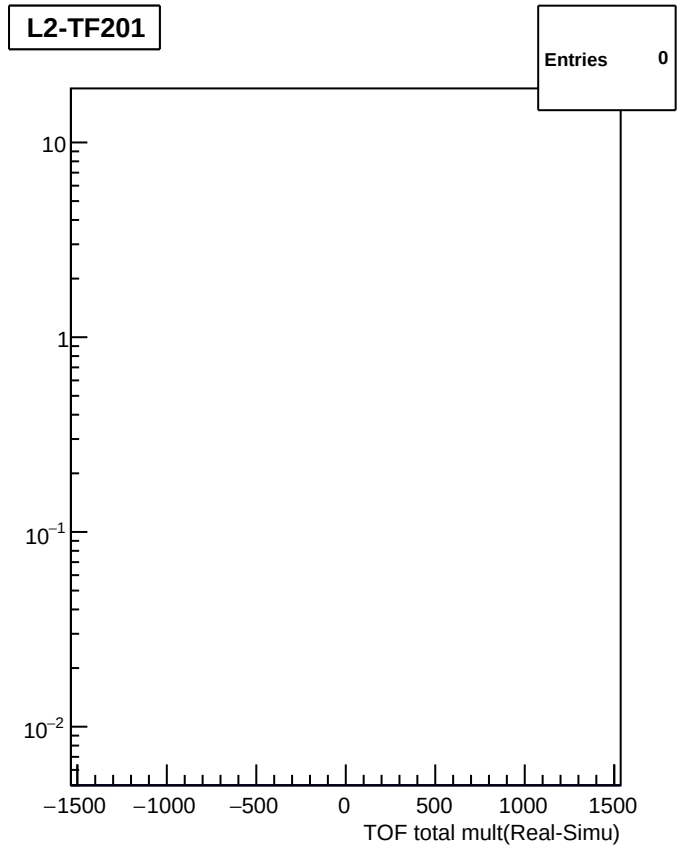

MIX-TF101
Entries 153090
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

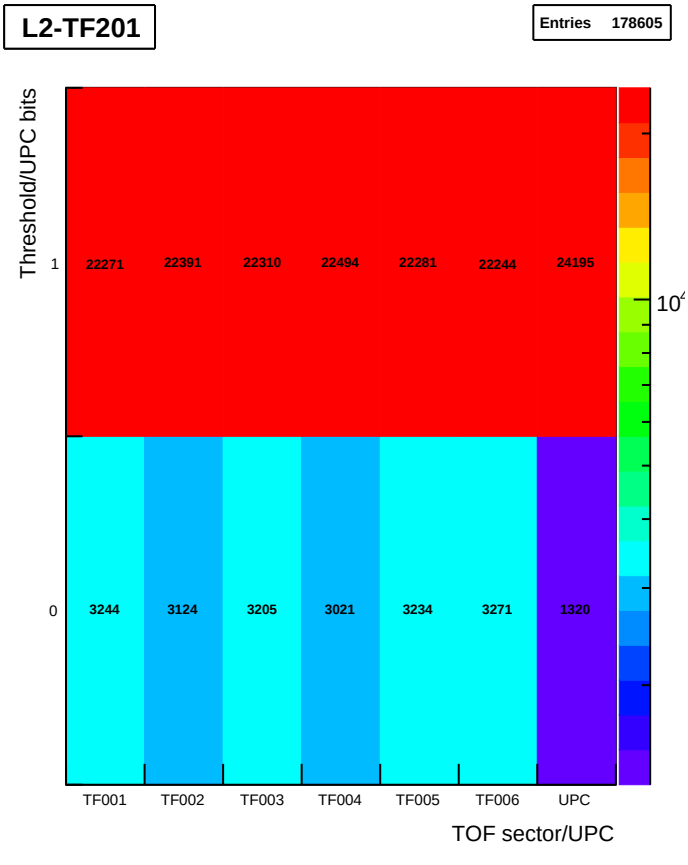

MIX-TF101
Entries 8732
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

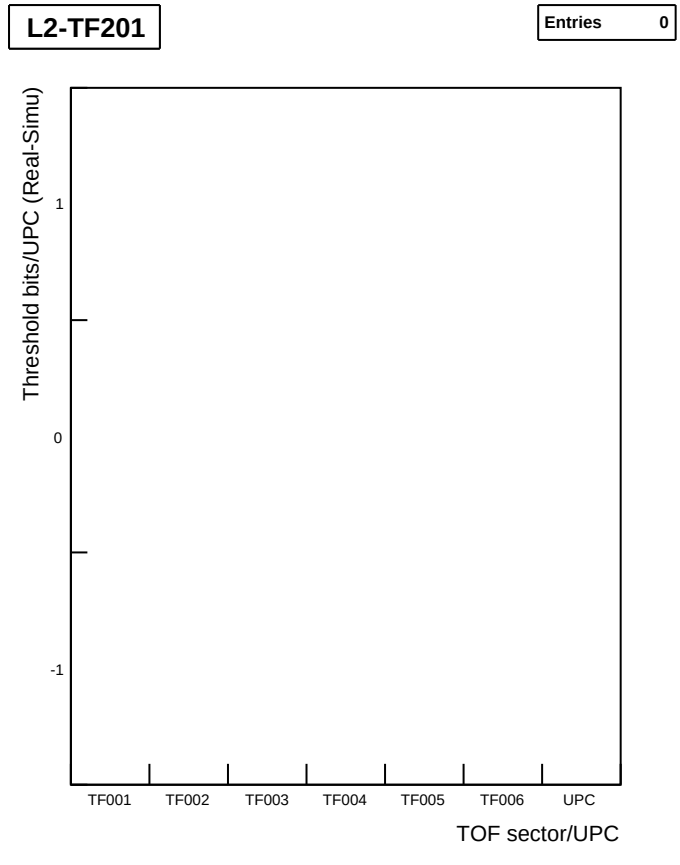

MIX-TF101
Entries 153090
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

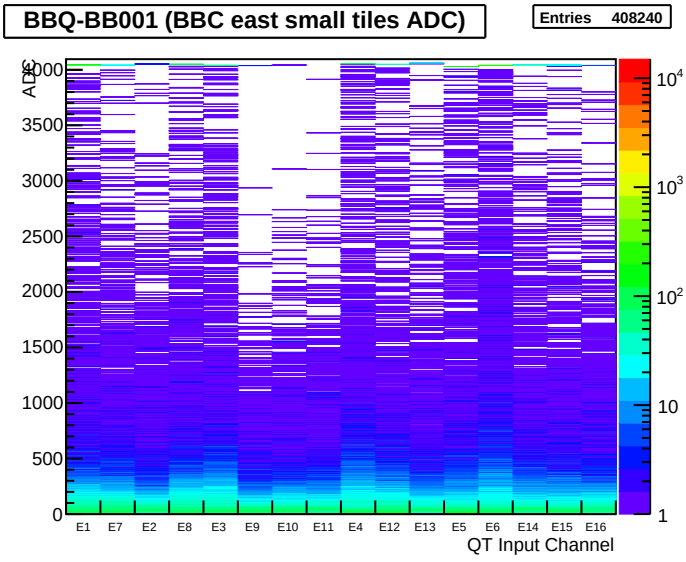

MIX-TF101
Entries 19028
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

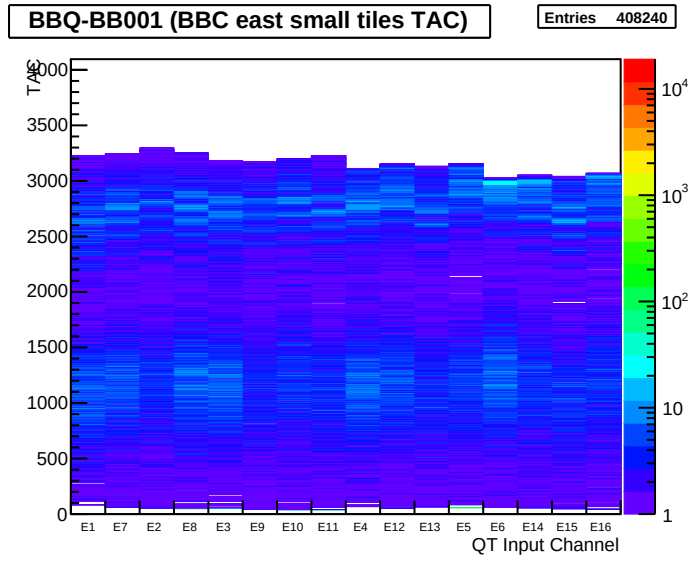

L2-TF201
Entries 25515
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

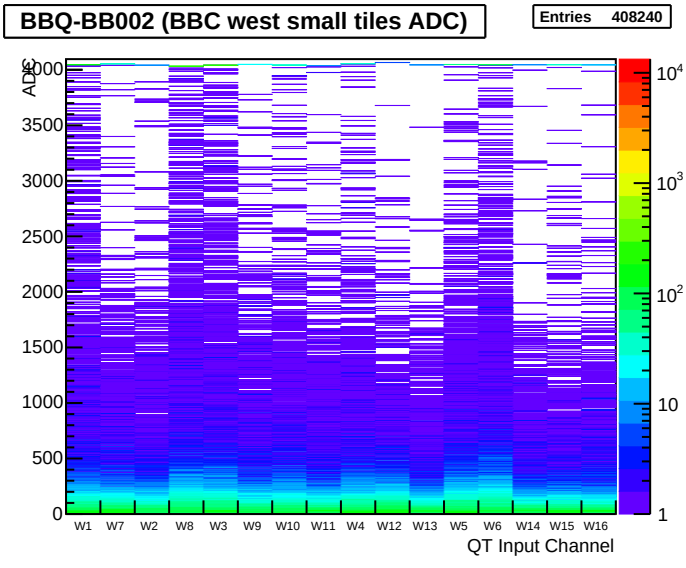

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

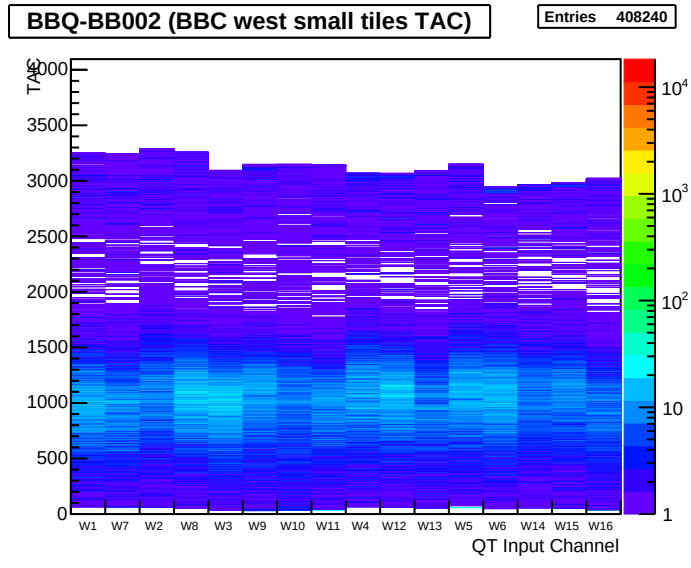

L2-TF201
Entries 178605
Threshold/UPC bits
1
0
22271
22391
22310
22494
22281
22244
24195
3244
3124
3205
3021
3234
3271
1320
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

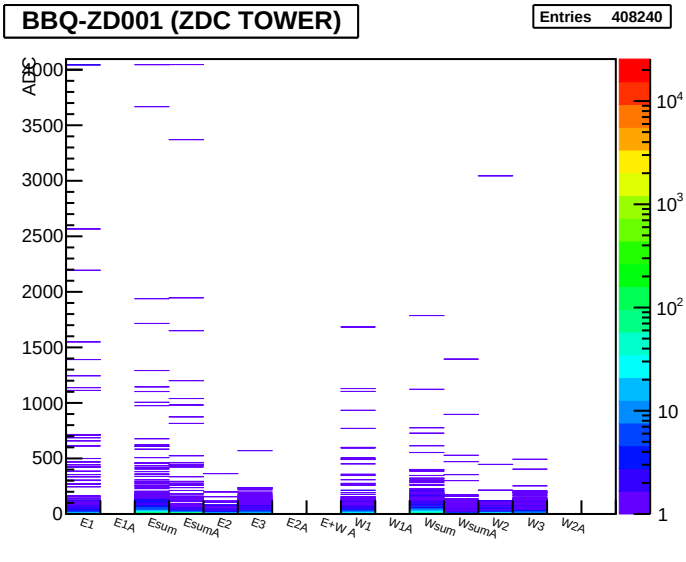

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

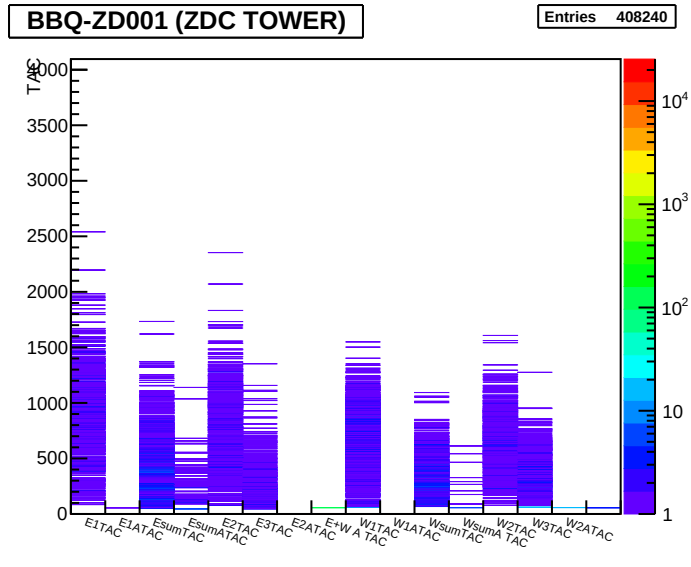

BBQ-BB001 (BBC east small tiles ADC)
Entries 408240
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

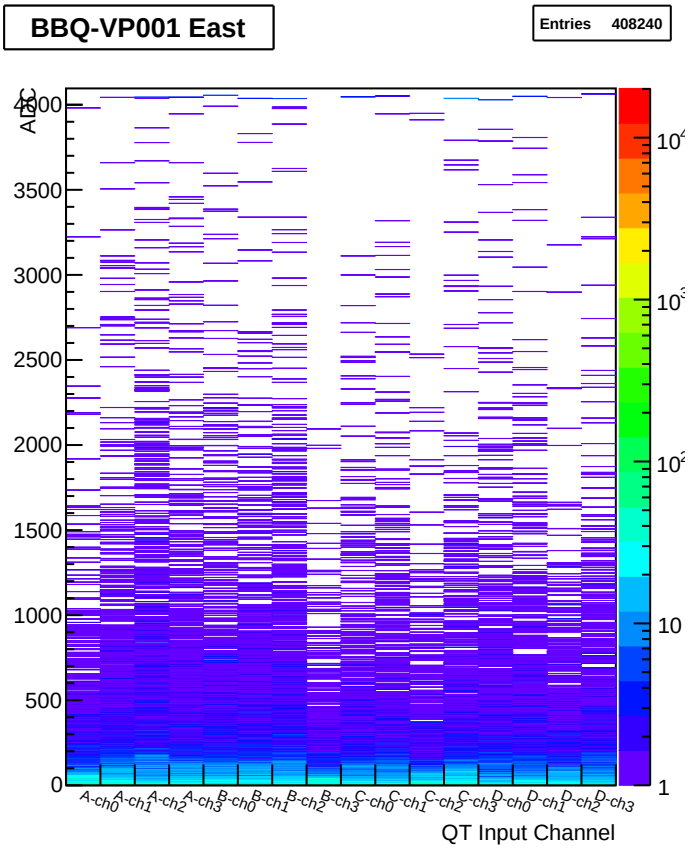

BBQ-BB001 (BBC east small tiles TAC)
Entries 408240
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

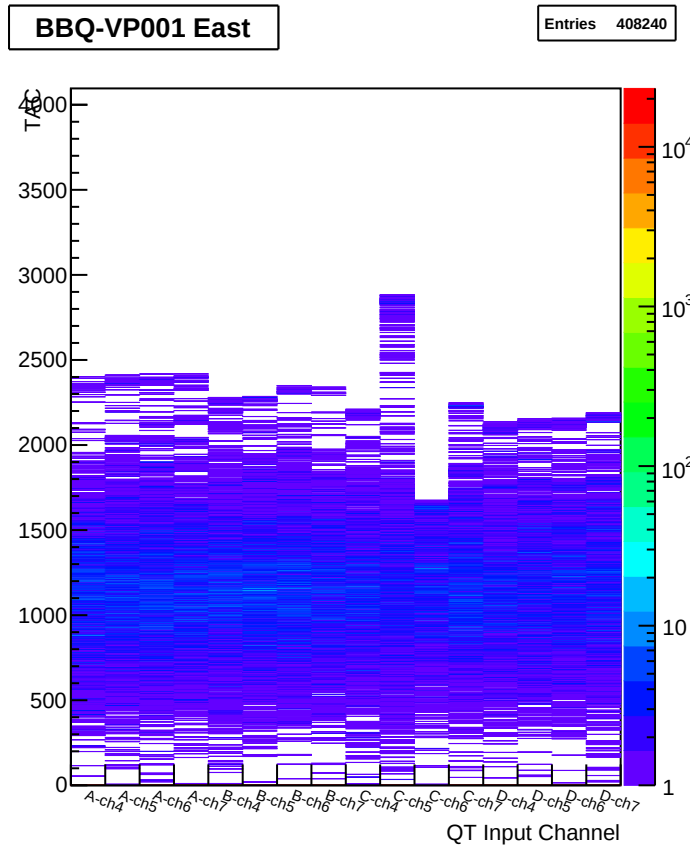

BBQ-BB002 (BBC west small tiles ADC)
Entries 408240
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

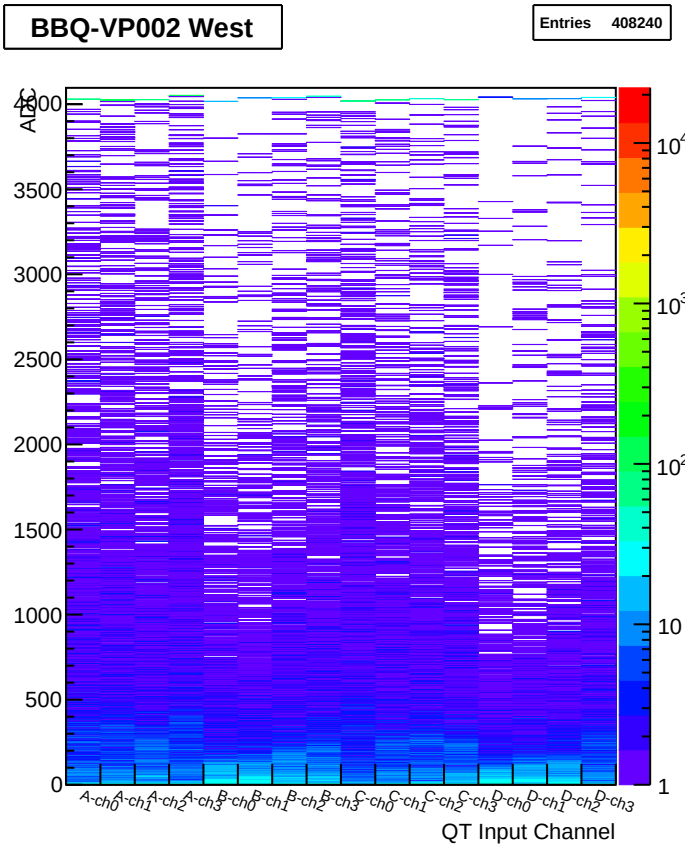

BBQ-BB002 (BBC west small tiles TAC)
Entries 408240
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

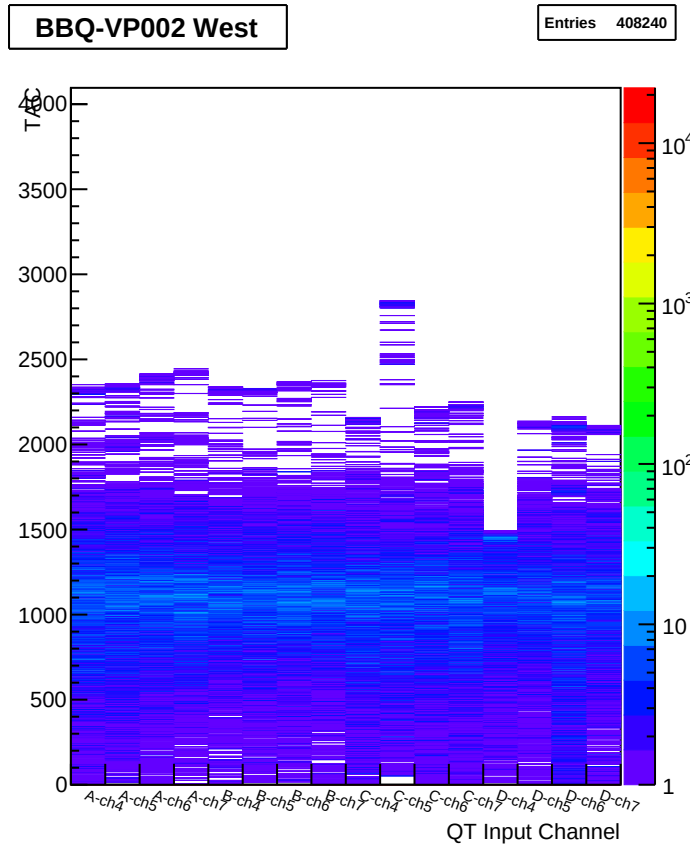

BBQ-ZD001 (ZDC TOWER)
Entries 408240
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

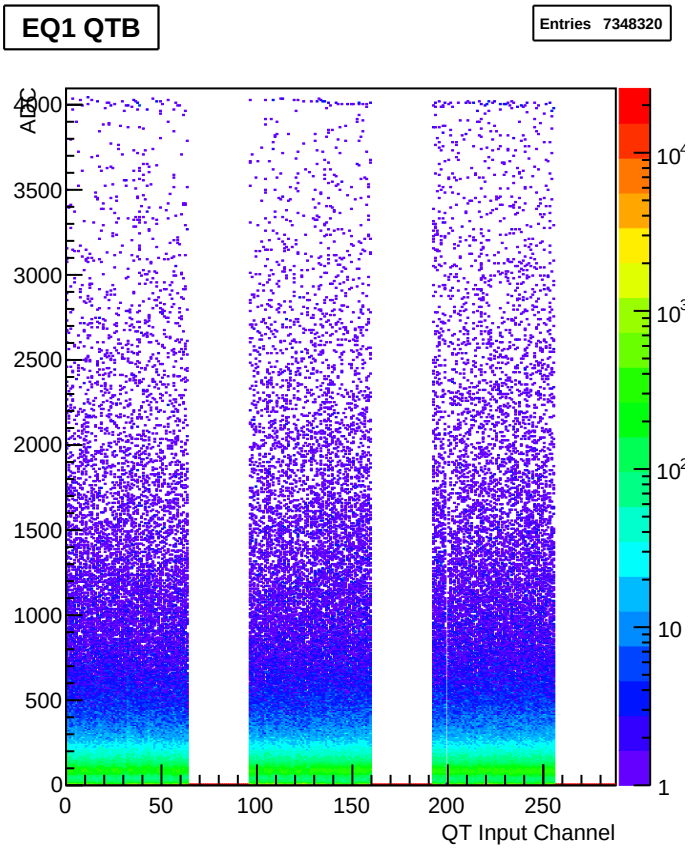

BBQ-ZD001 (ZDC TOWER)
Entries 408240
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

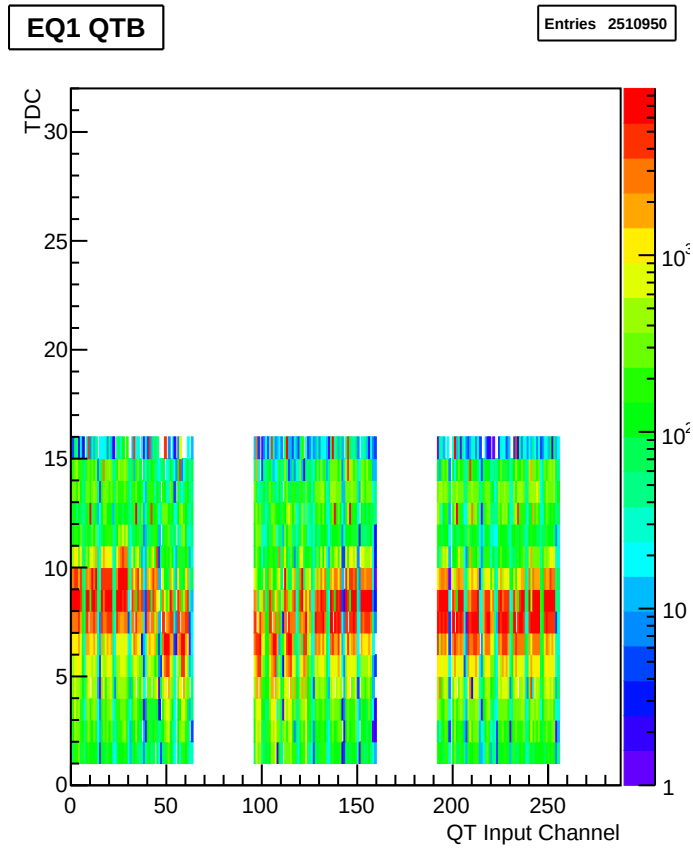

BBQ-VP001 East
Entries 408240
ADC
QT Input Channel

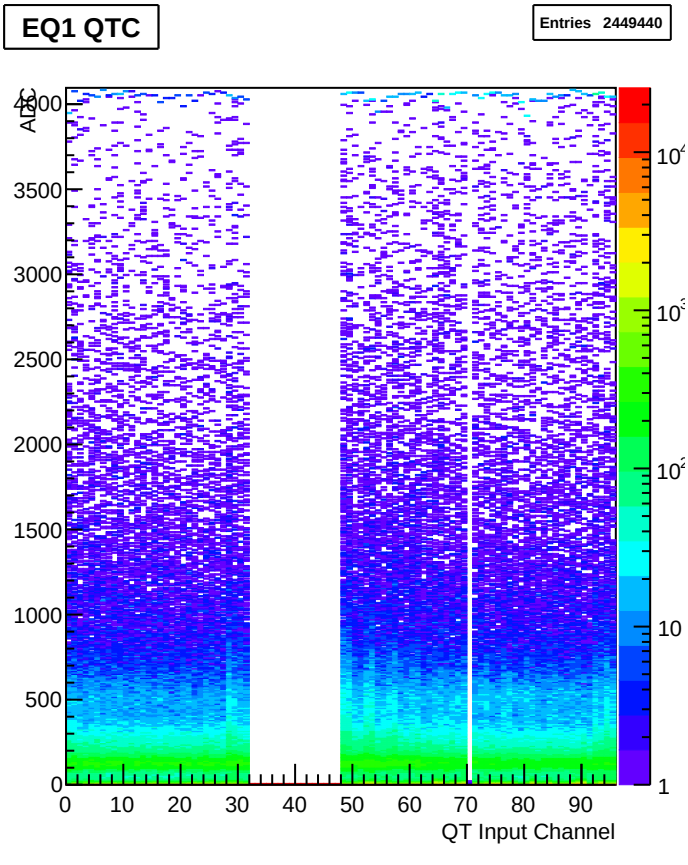

BBQ-VP001 East
Entries 408240
TADC
QT Input Channel

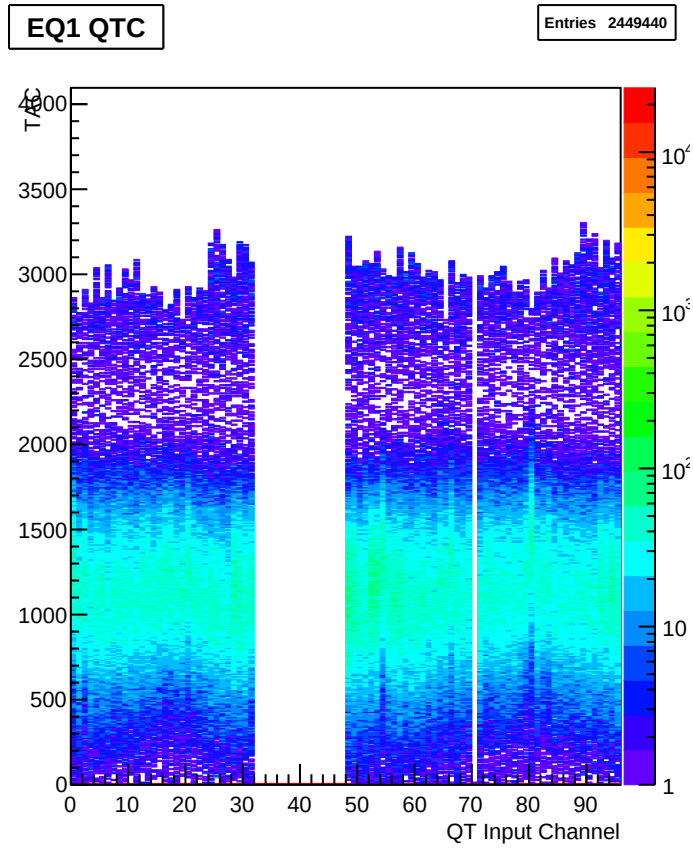

BBQ-VP002 West
Entries 408240
ADC
QT Input Channel

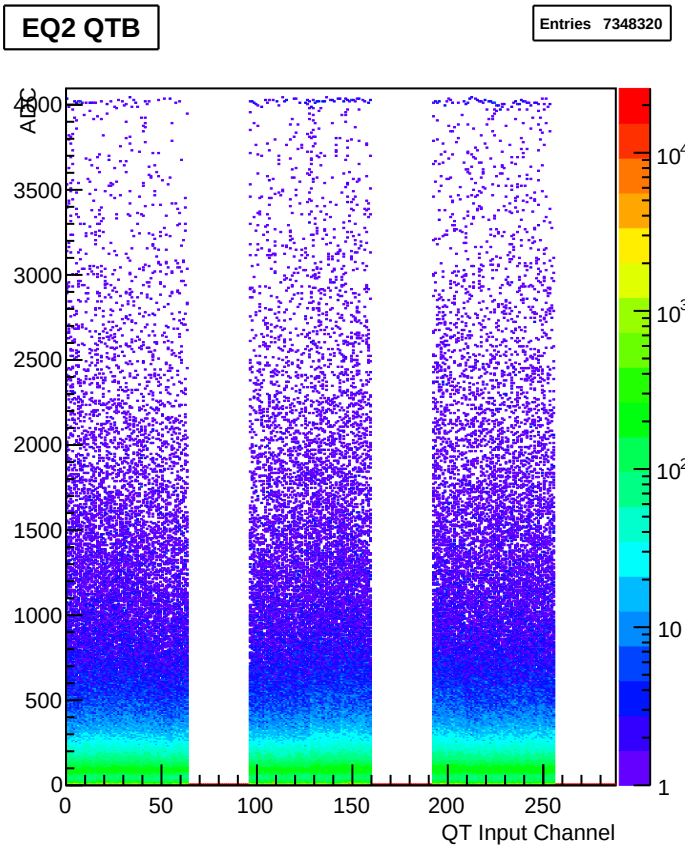

BBQ-VP002 West
Entries 408240
TADC
QT Input Channel

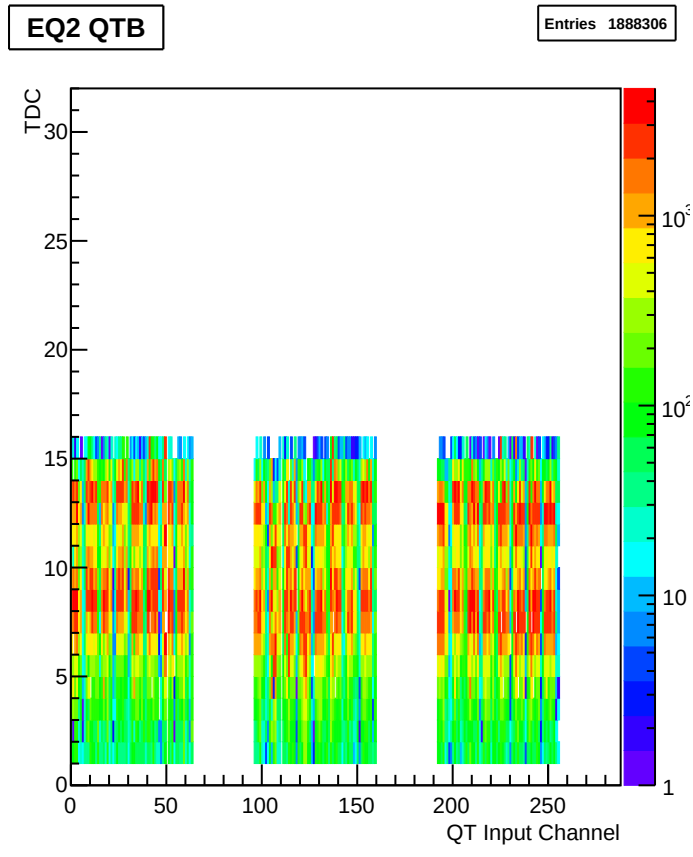

EQ1 QTB
Entries 7348320
ADC
QT Input Channel

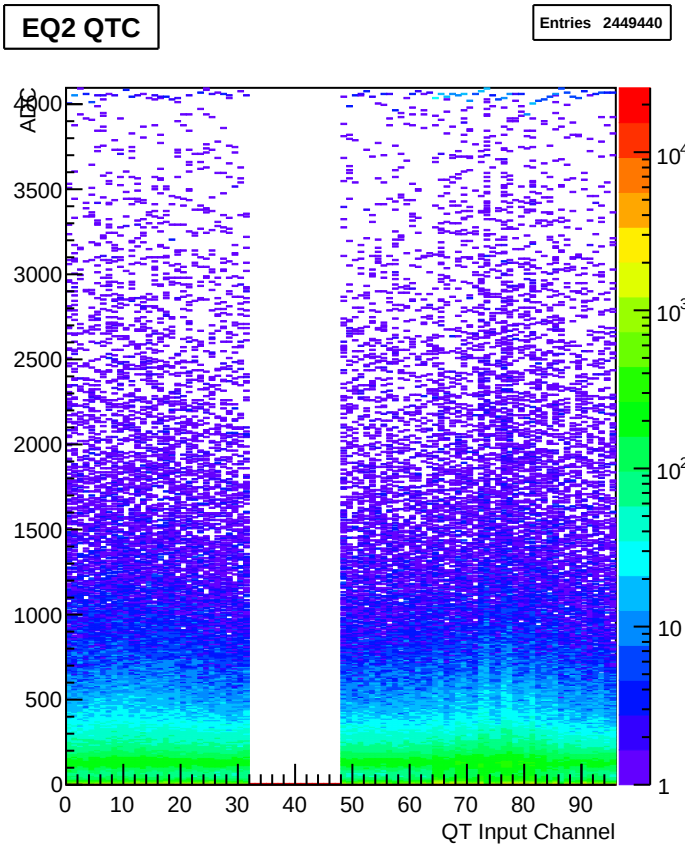

EQ1 QTB
Entries 2510950
TDC
QT Input Channel

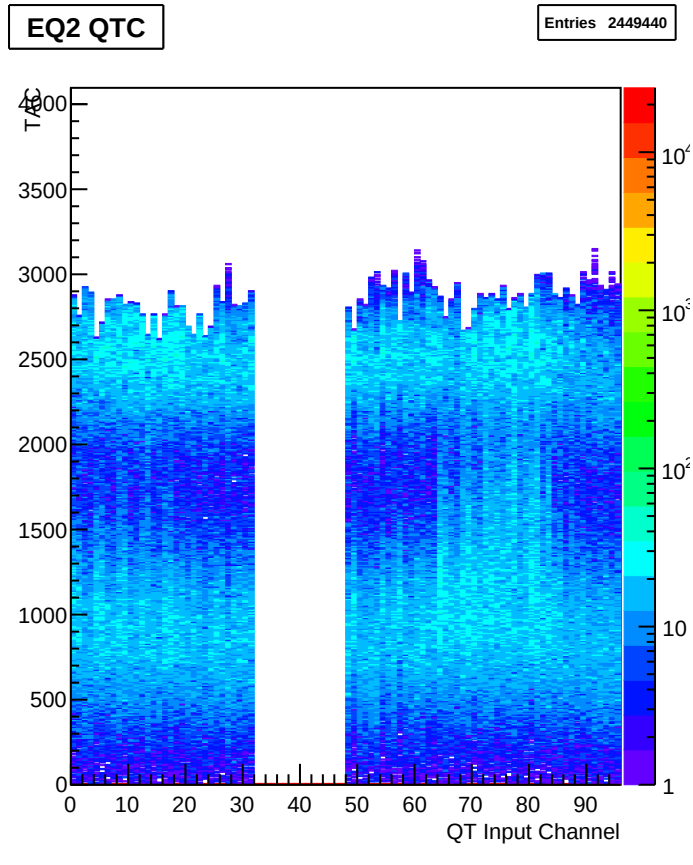

EQ1 QTC
Entries 2449440
ADC
QT Input Channel

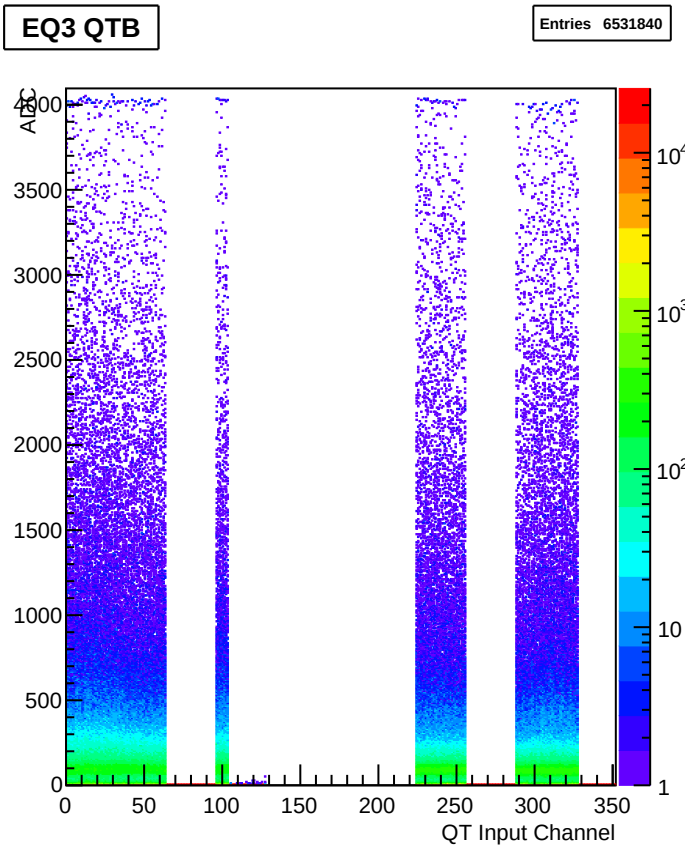

EQ1 QTC
Entries 2449440
TADC
QT Input Channel

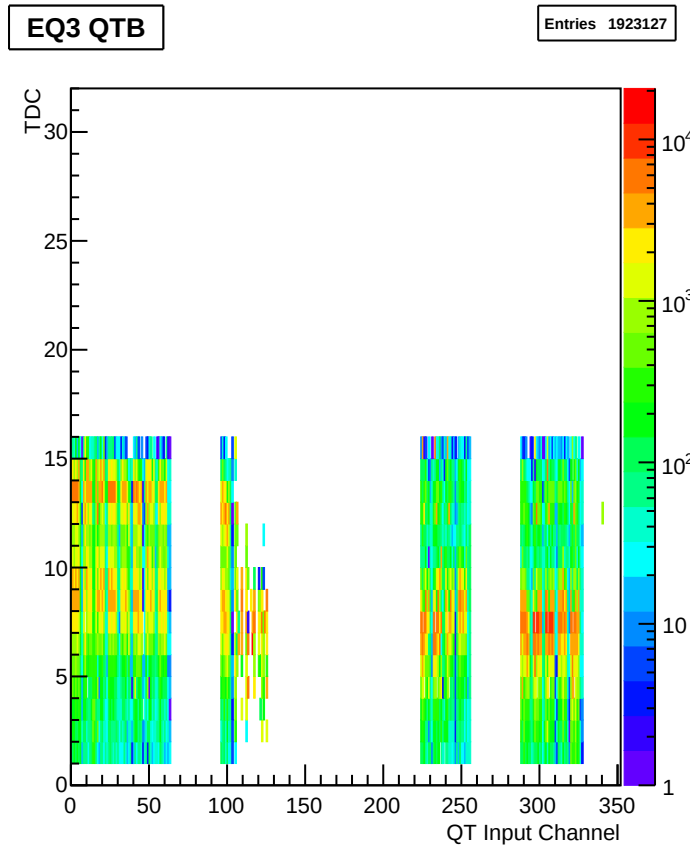

EQ2 QTB
Entries 7348320
ADC
QT Input Channel

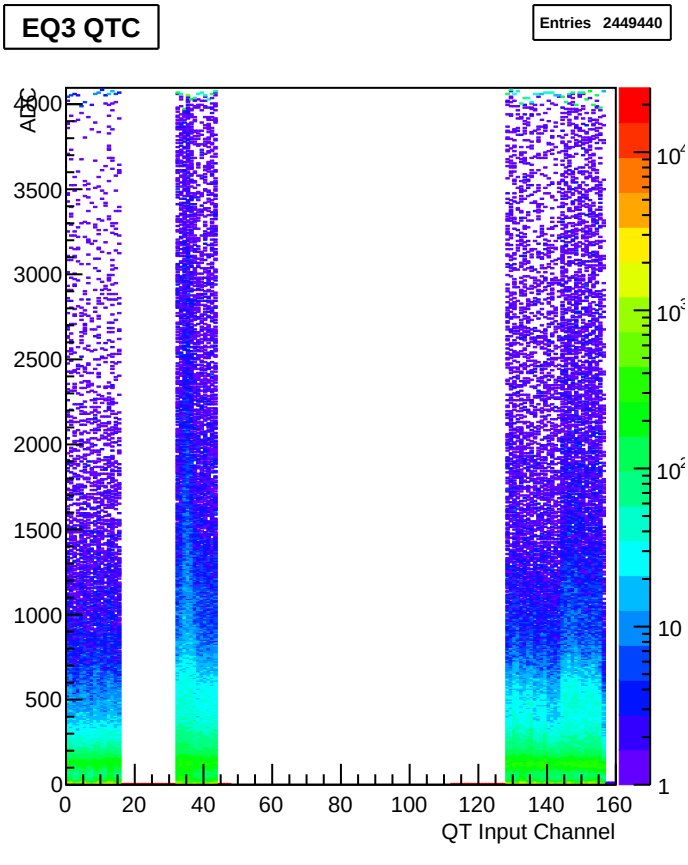

EQ2 QTB
Entries 1888306
TDC
QT Input Channel

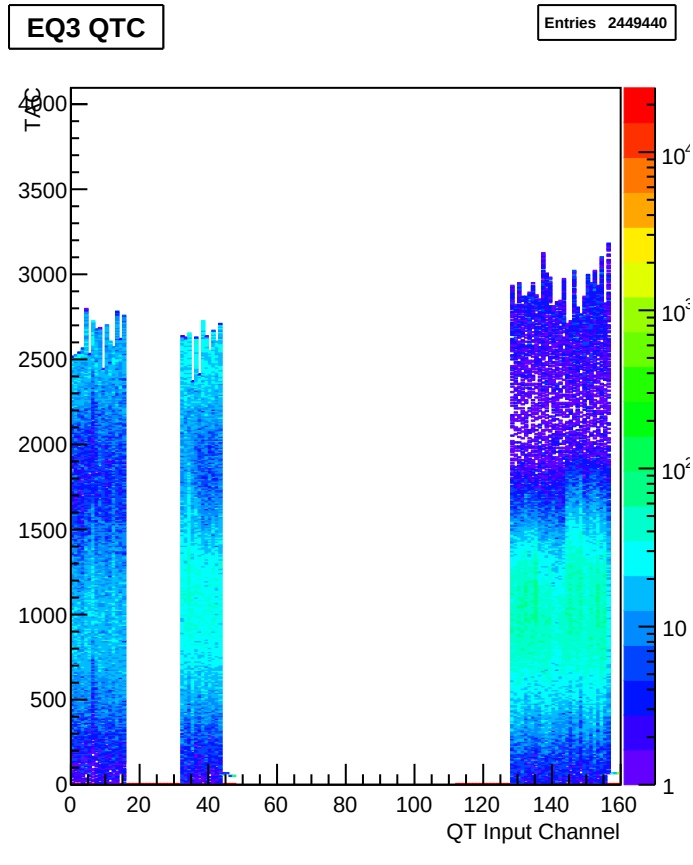

EQ2 QTC
Entries 2449440
ADC
QT Input Channel

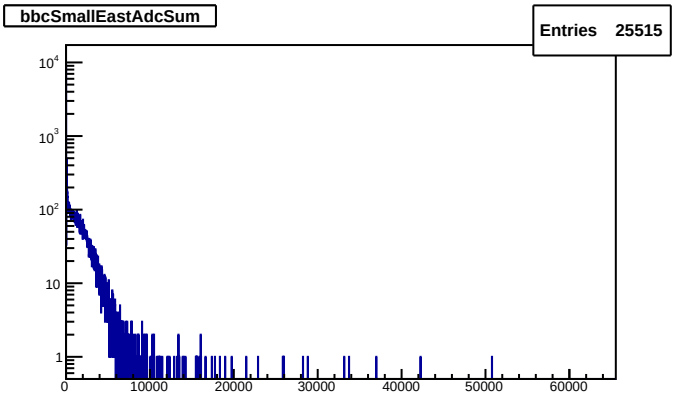

EQ2 QTC
Entries 2449440
TADC
QT Input Channel

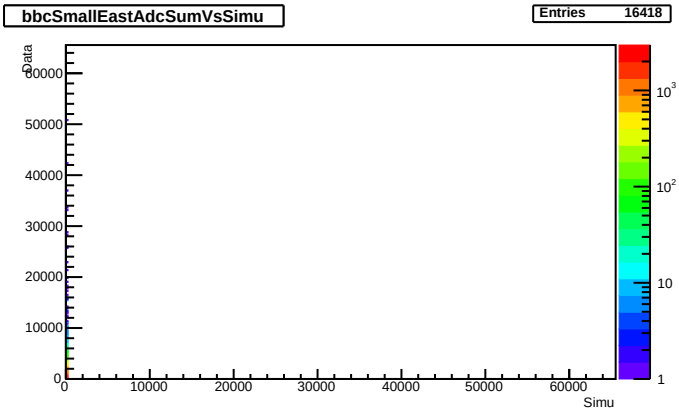

EQ3 QTB
Entries 6531840
ADC
QT Input Channel

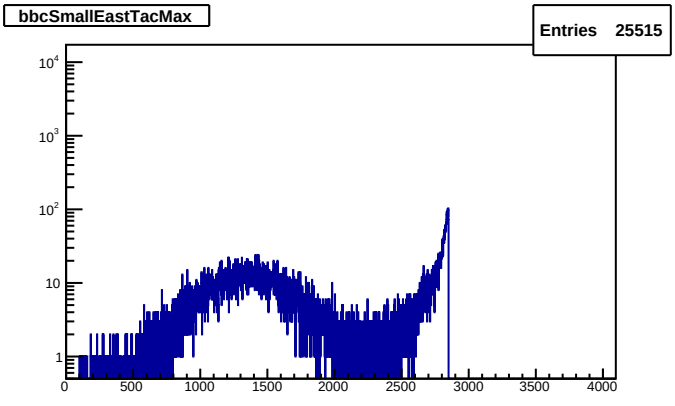

EQ3 QTB
Entries 1923127
TDC
QT Input Channel

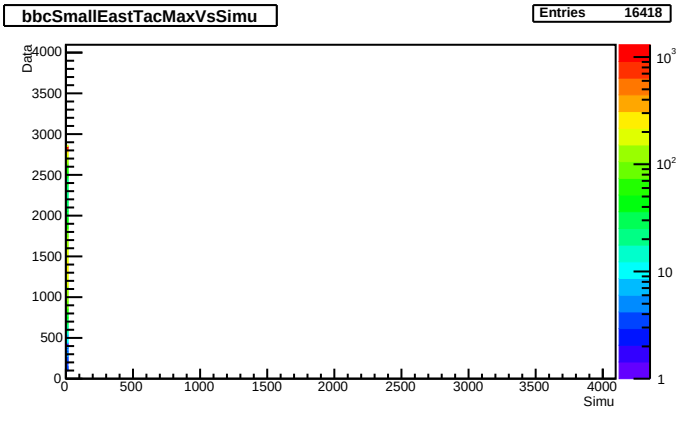

EQ3 QTC
Entries 2449440
ADC
QT Input Channel

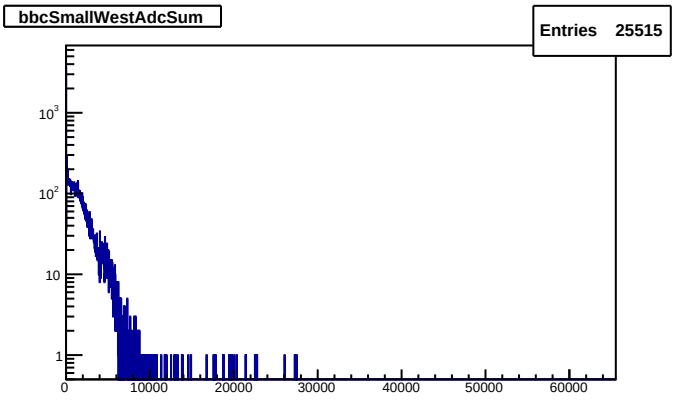

EQ3 QTC
Entries 2449440
TADC
QT Input Channel

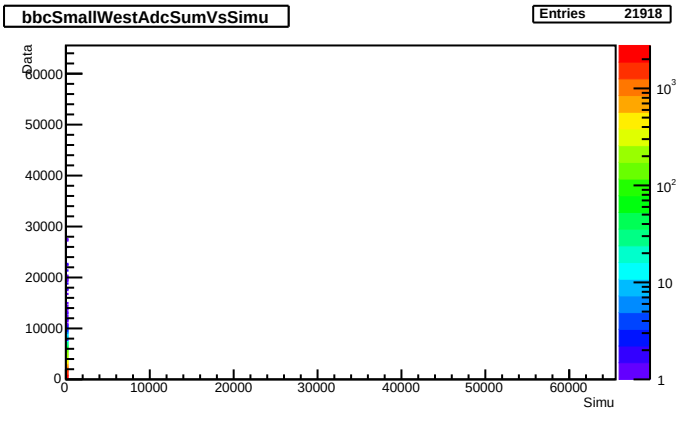

bbcSmallEastAdcSum
Entries 25515

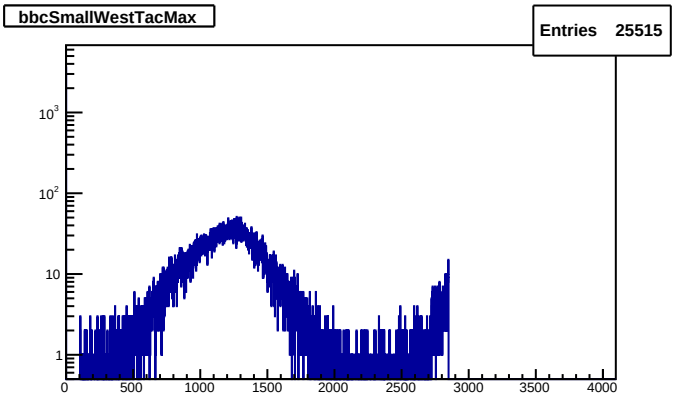

bbcSmallEastAdcSumVsSimu
Entries 16418
Data
Simu

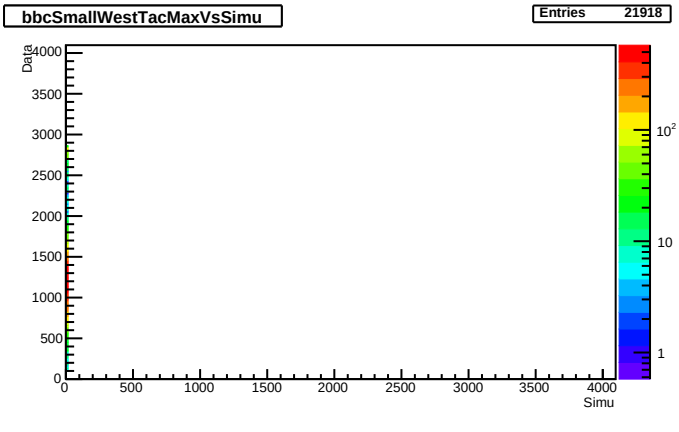

bbcSmallEastTacMax
Entries 25515

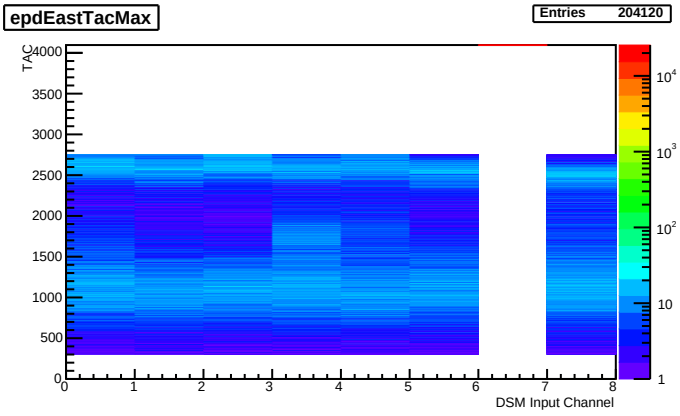

bbcSmallEastTacMaxVsSimu
Entries 16418
Data
Simu

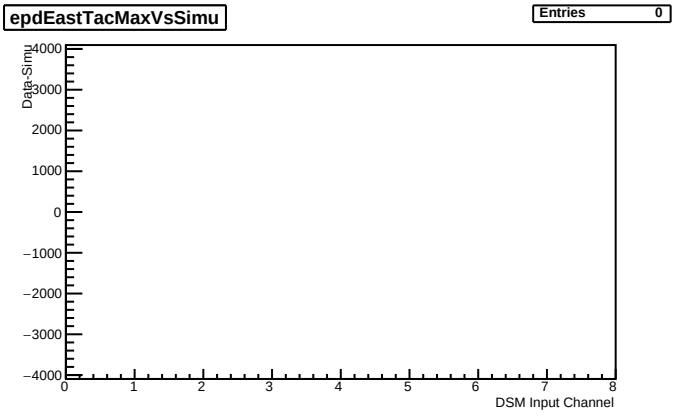

bbcSmallWestAdcSum
Entries 25515

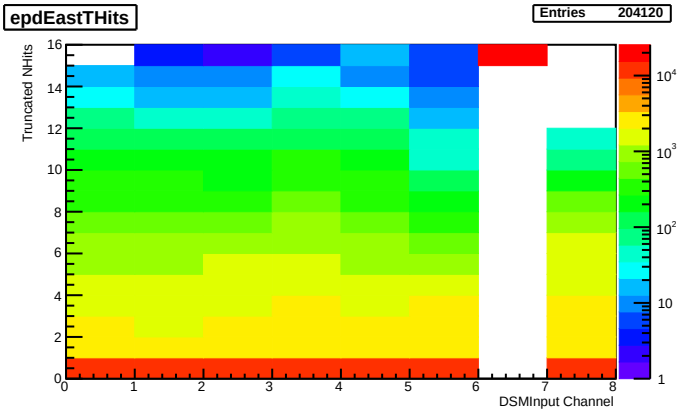

bbcSmallWestAdcSumVsSimu
Entries 21918
Data
Simu

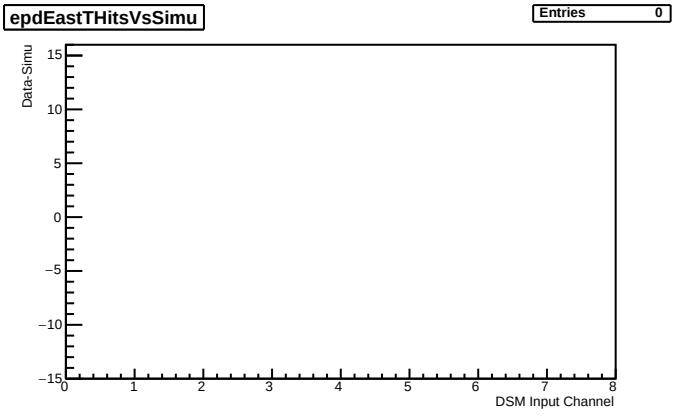

bbcSmallWestTacMax
Entries 25515

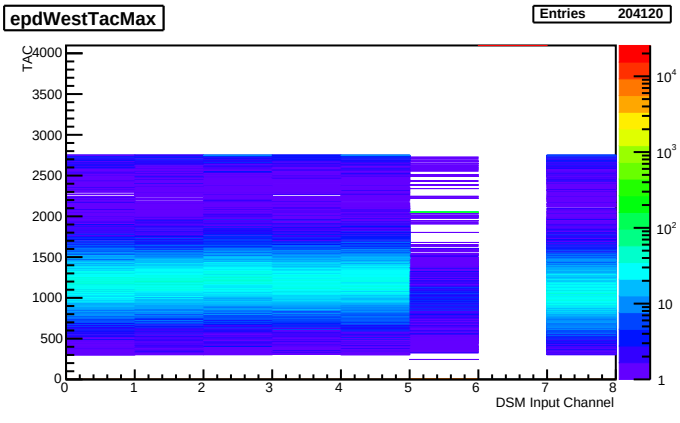

bbcSmallWestTacMaxVsSimu
Entries 21918
Data
Simu

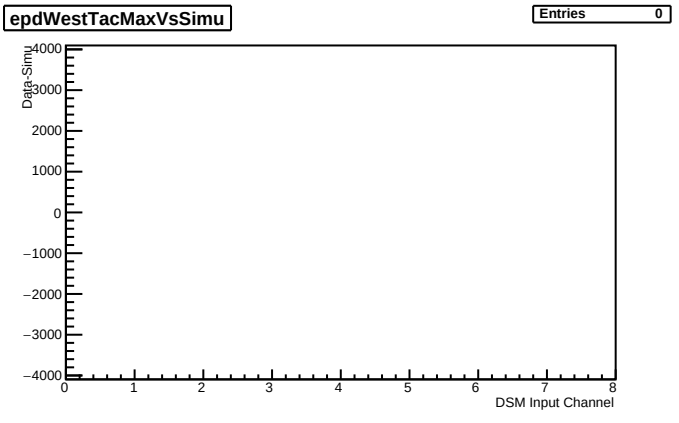

epdEastTacMax
Entries 204120
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 204120
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 204120
TAC
DSM Input Channel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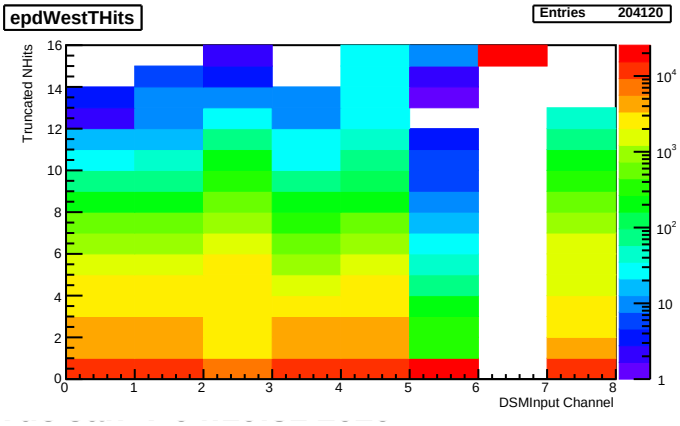
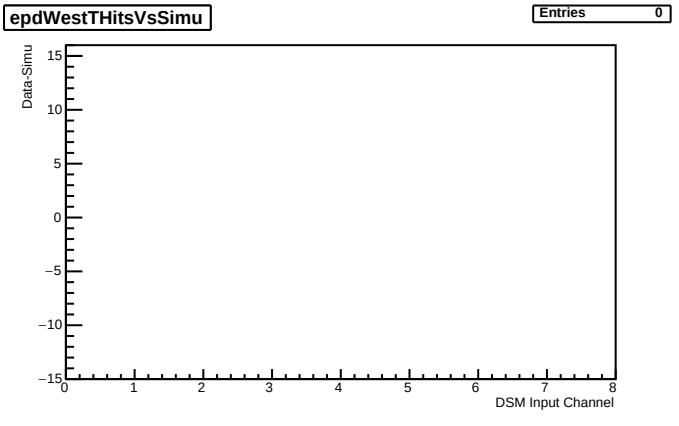
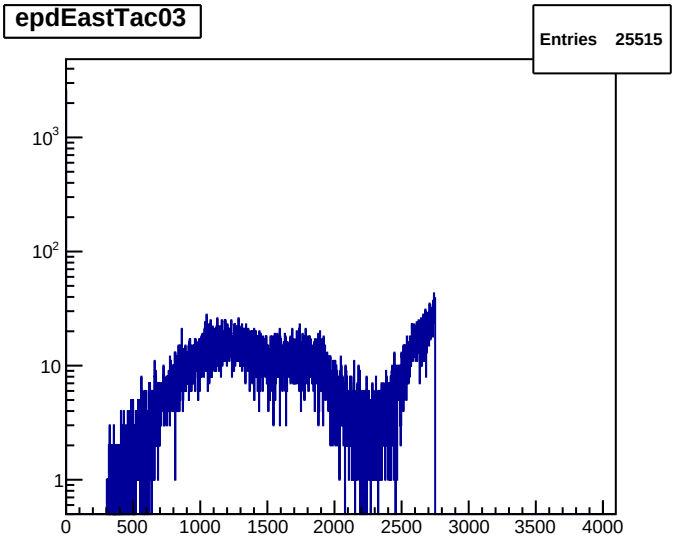
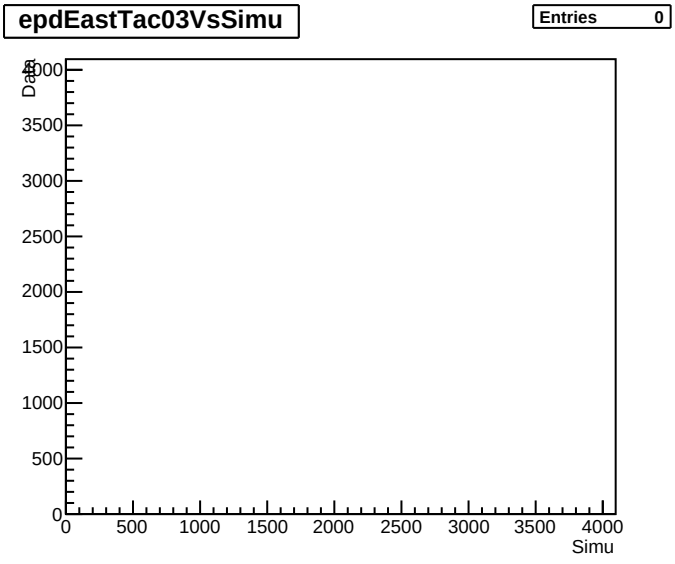
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 204120
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 25515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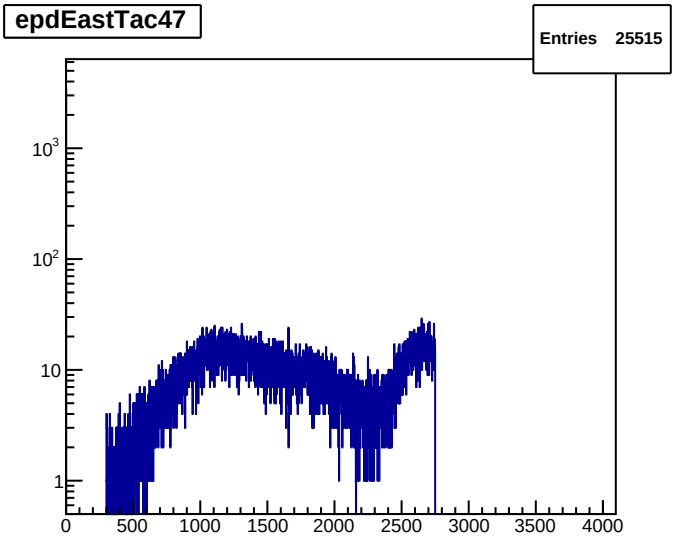
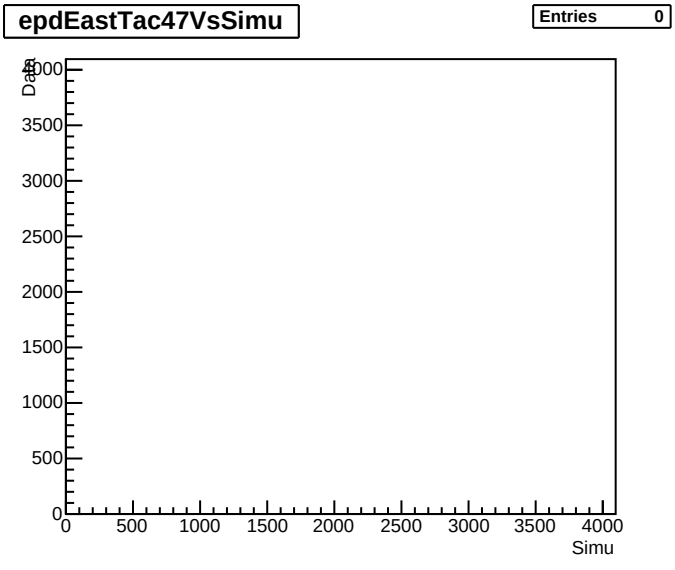
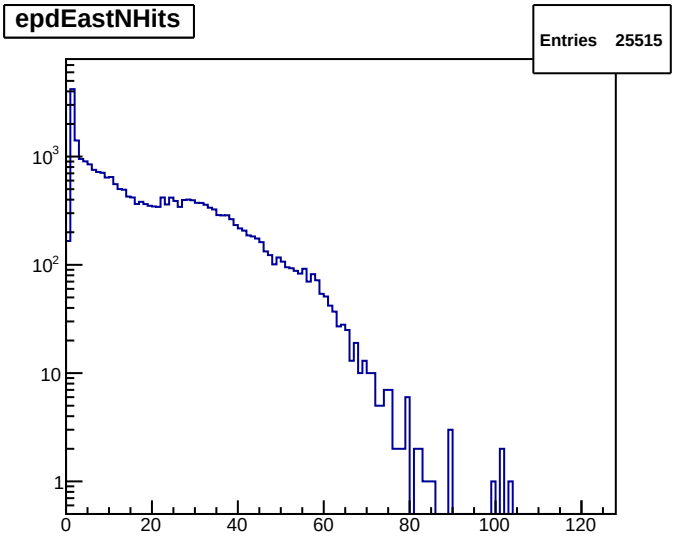
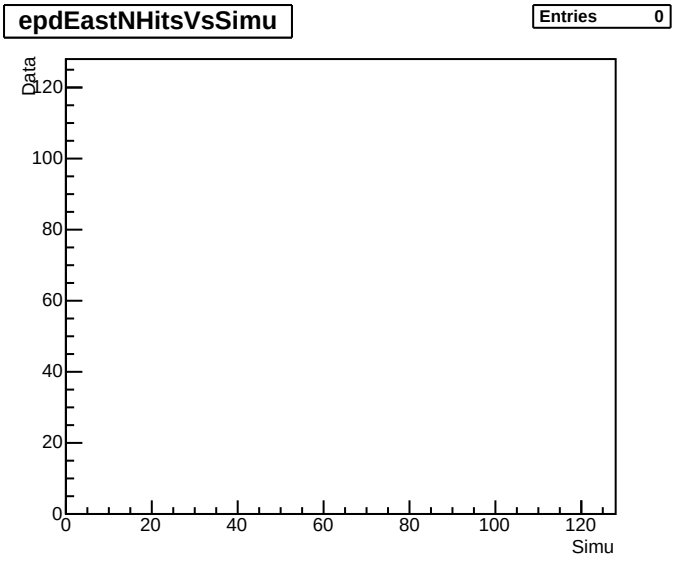
Entries 0
Data
Simu


epdEastTac47
Entries 25515


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 25515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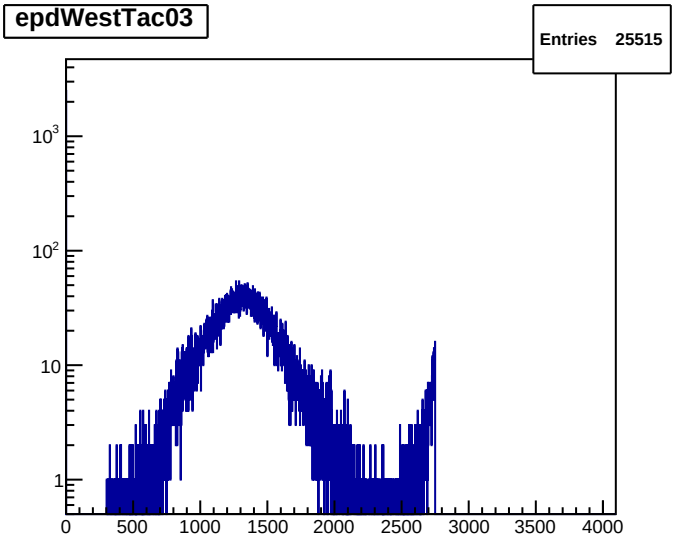
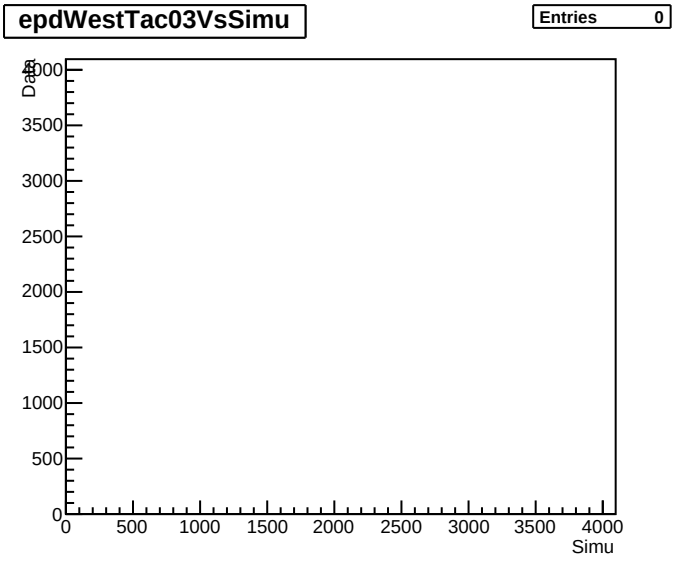
Entries 0
Data
Simu


epdWestTac03
Entries 25515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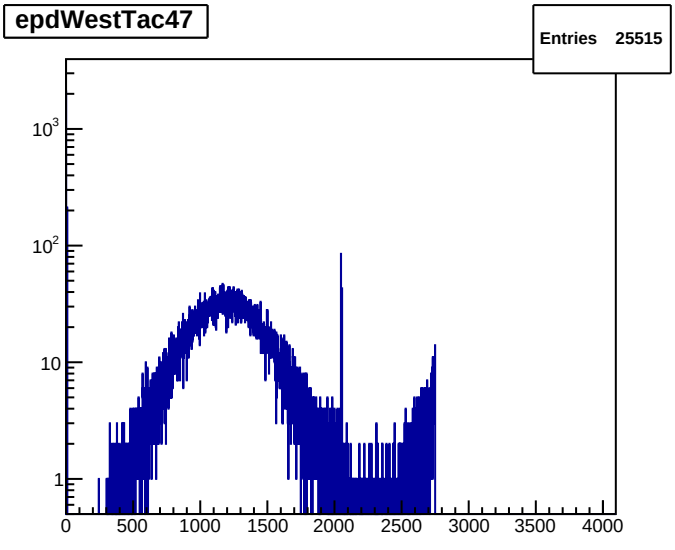
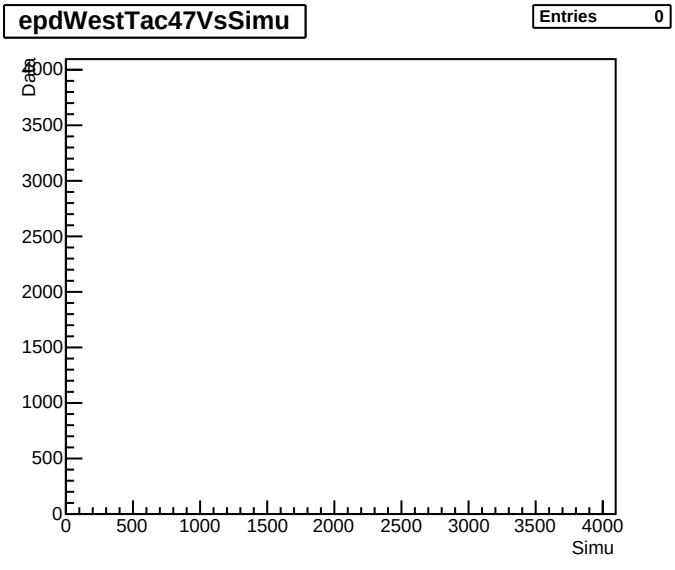
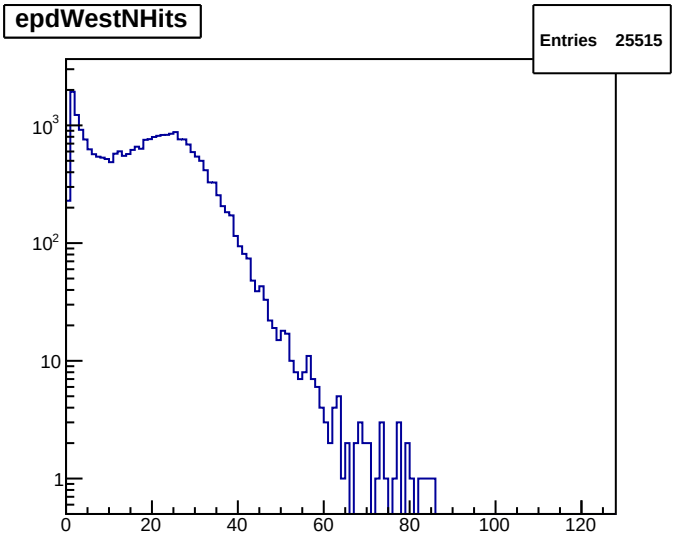
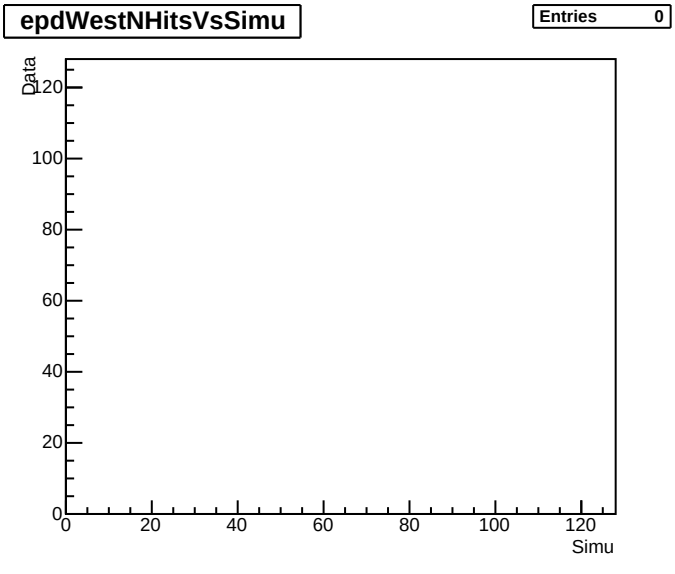
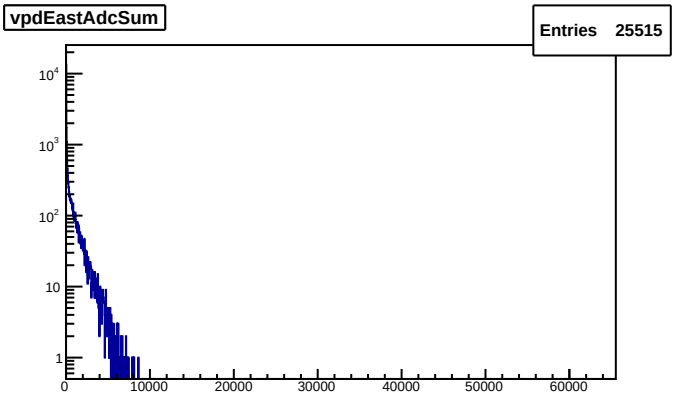
Entries 0
Data
Simu

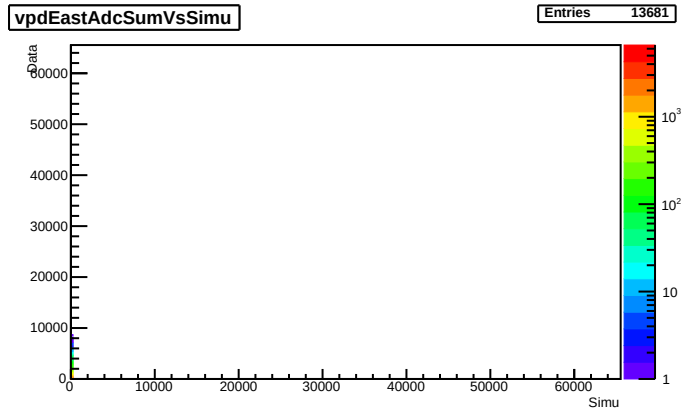

epdWestTac47
Entries 25515

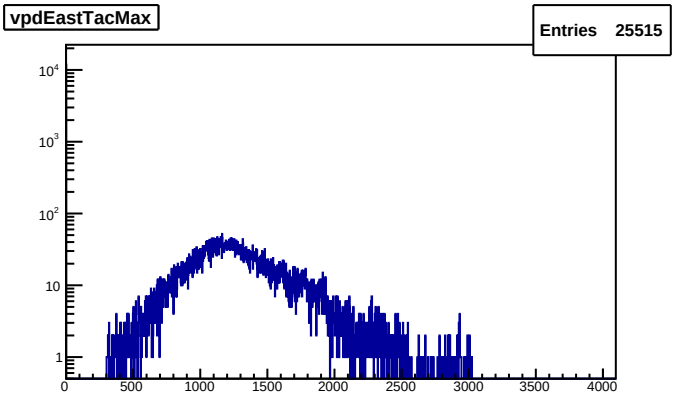

epdWestTac47VsSimu
Entries 0
Data
Simu

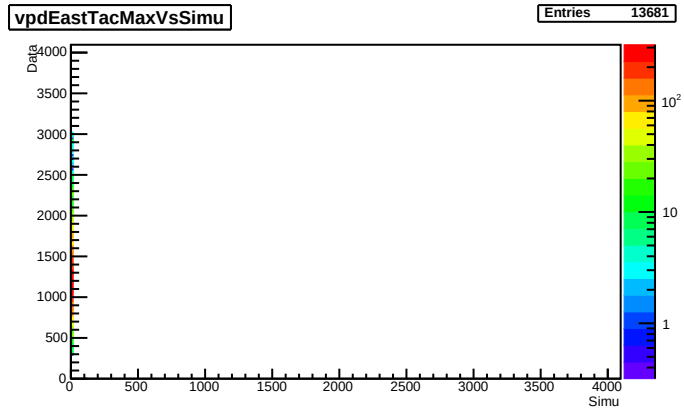

epdWestNHits
Entries 25515

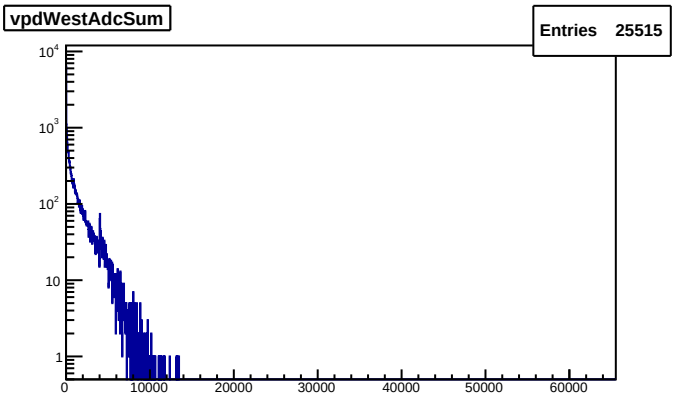

epdWestNHitsVsSimu
Entries 0
Data
Simu

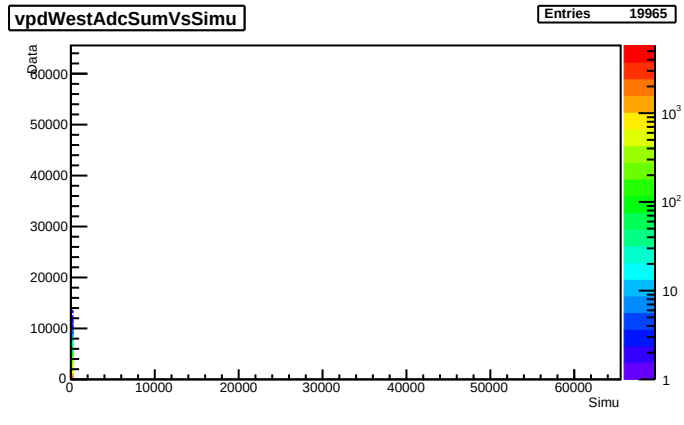

vpdEastAdcSum
Entries 25515

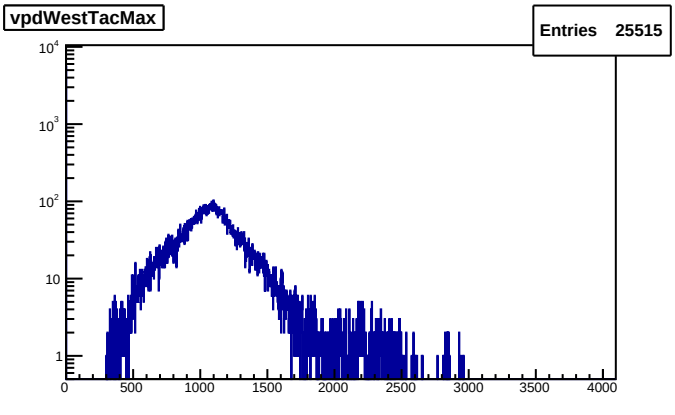

vpdEastAdcSumVsSimu
Entries 13681
Data
Simu

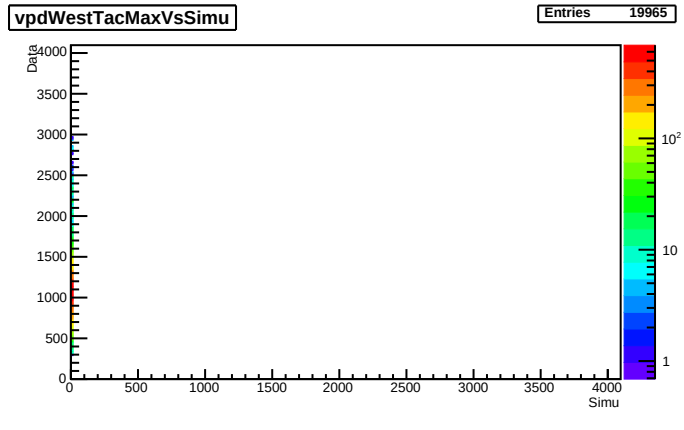

vpdEastTacMax
Entries 25515

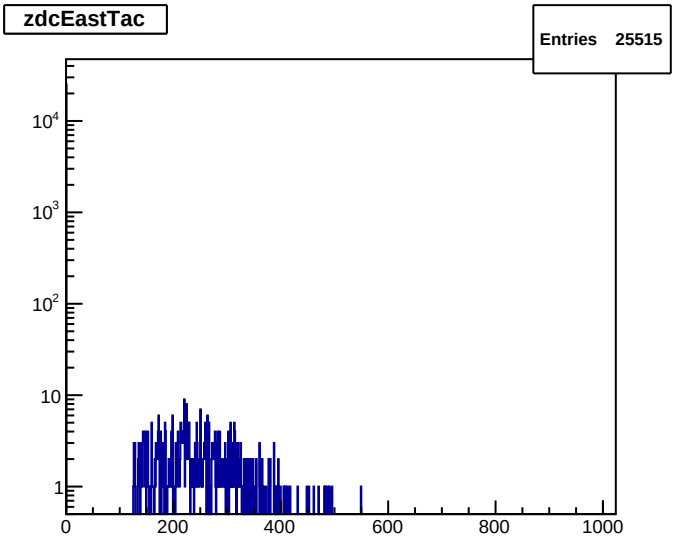

vpdEastTacMaxVsSimu
Entries 13681
Data
Simu

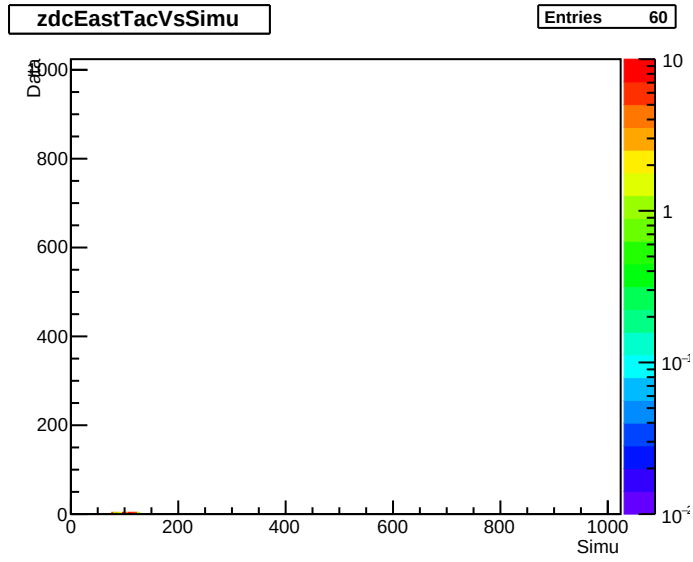

vpdWestAdcSum
Entries 25515

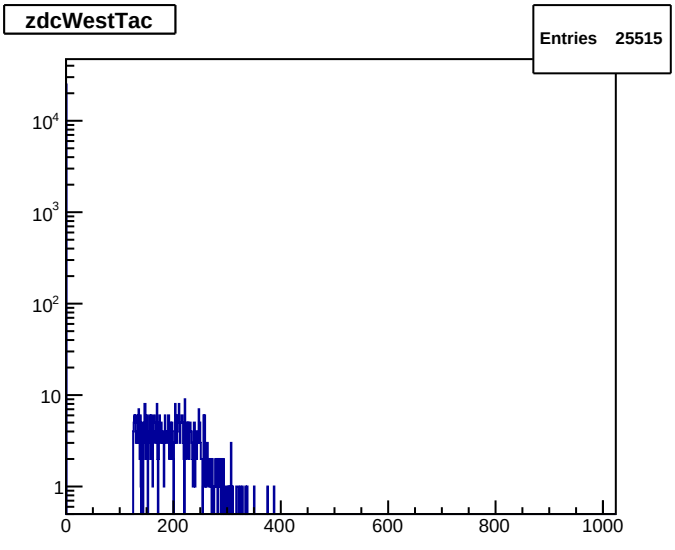

vpdWestAdcSumVsSimu
Entries 19965
Data
Simu

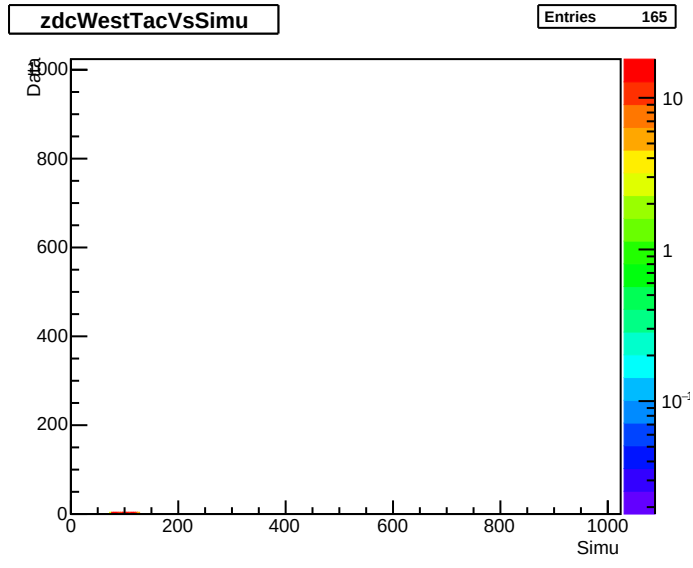

vpdWestTacMax
Entries 25515

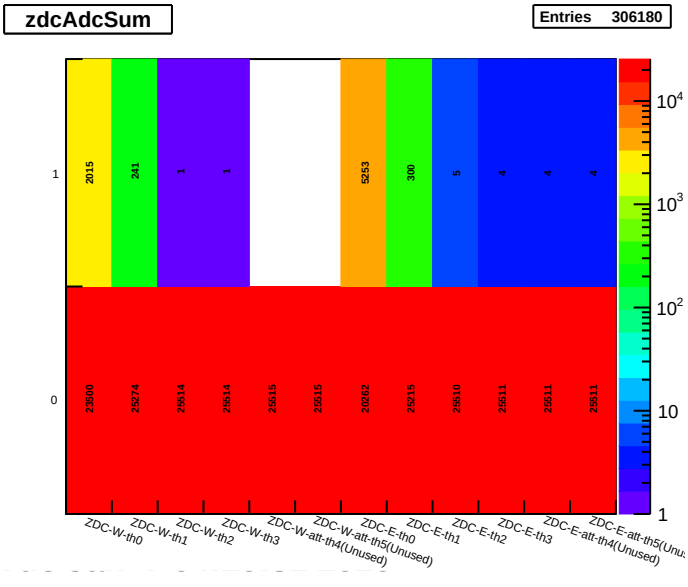

vpdWestTacMaxVsSimu
Entries 19965
Data
Simu

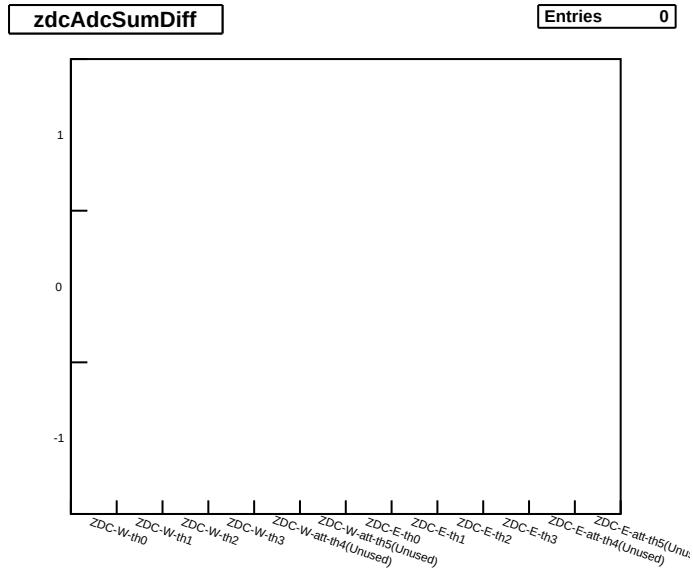

zdcEastTac
Entries 25515

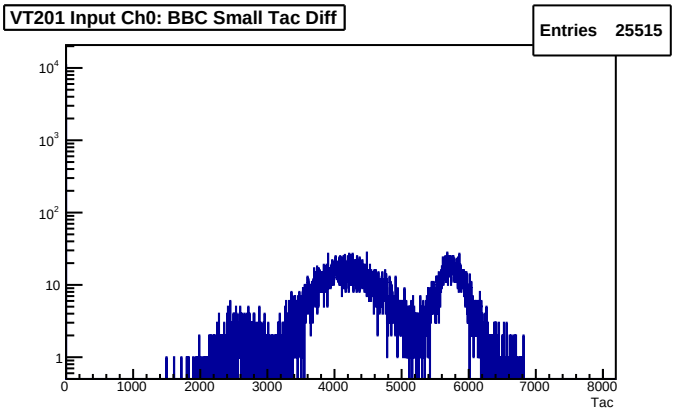

zdcEastTacVsSimu
Entries 60
Data
Simu

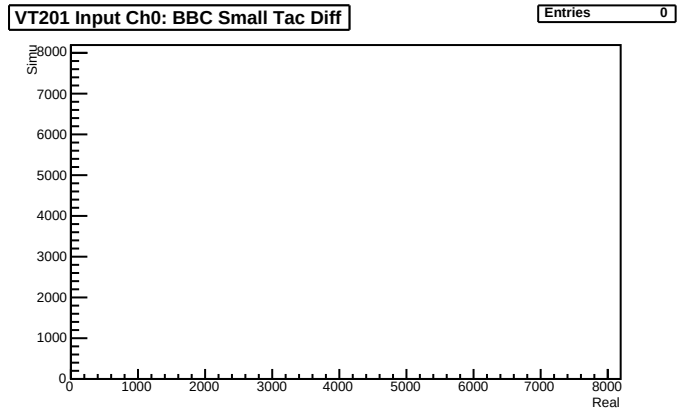

zdcWestTac
Entries 25515

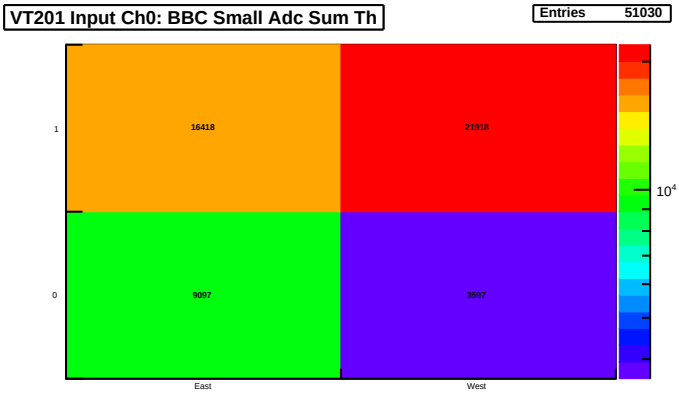

zdcWestTacVsSimu
Entries 165
Data
Simu

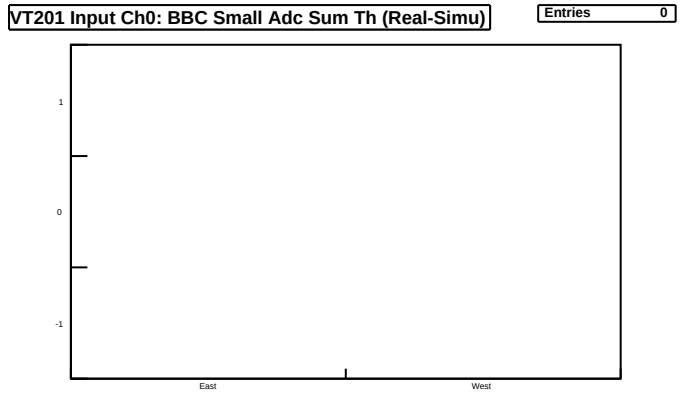

zdcAdcSum
Entries 306180
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

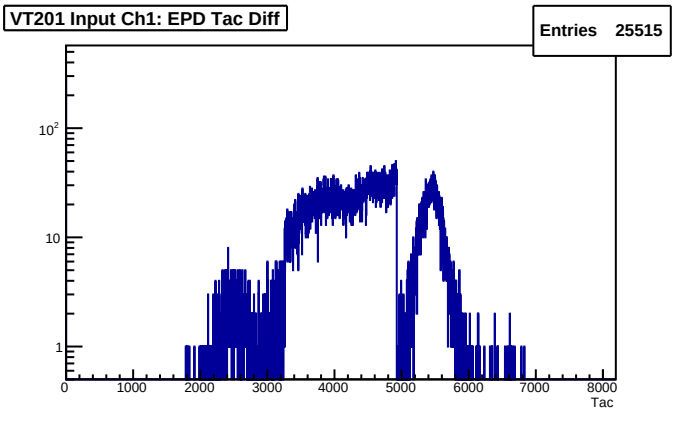

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

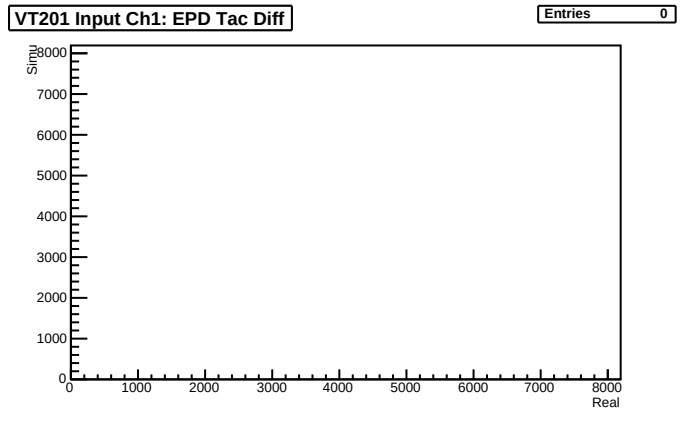

VT201 Input Ch0: BBC Small Tac Diff
Entries 25515
Tac

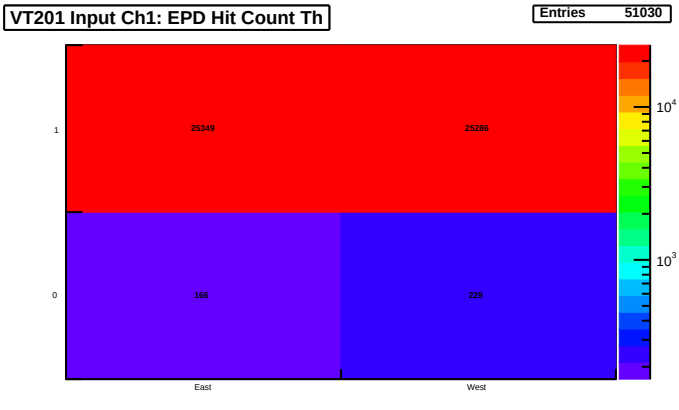

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

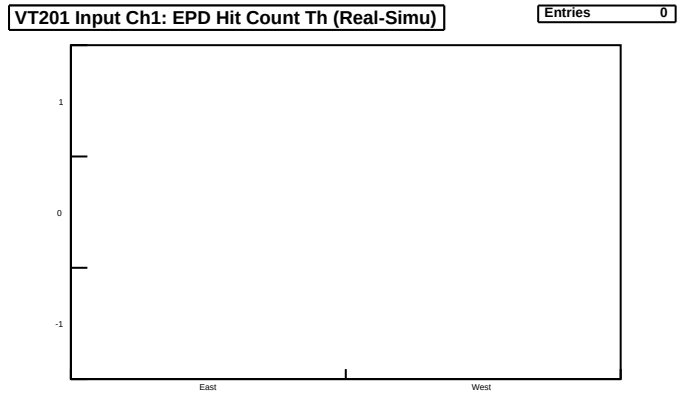

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 51030
16418
21918
9097
3597
East
West

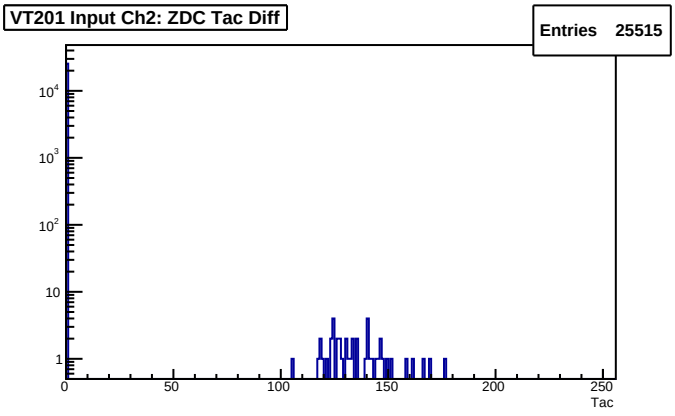

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

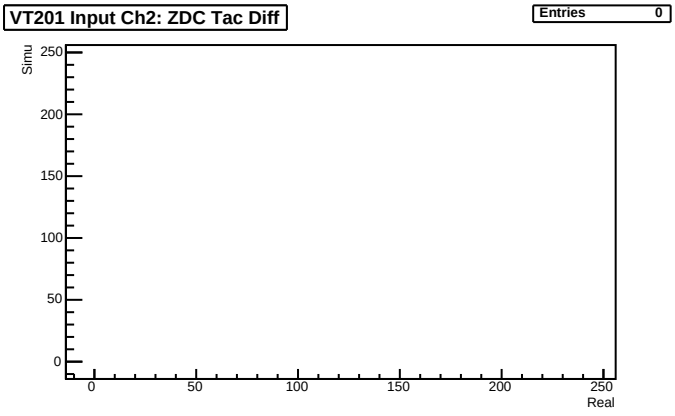

VT201 Input Ch1: EPD Tac Diff
Entries 25515
Tac

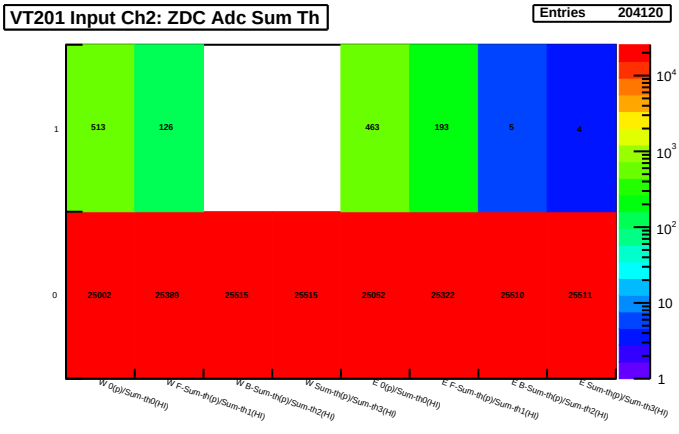

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

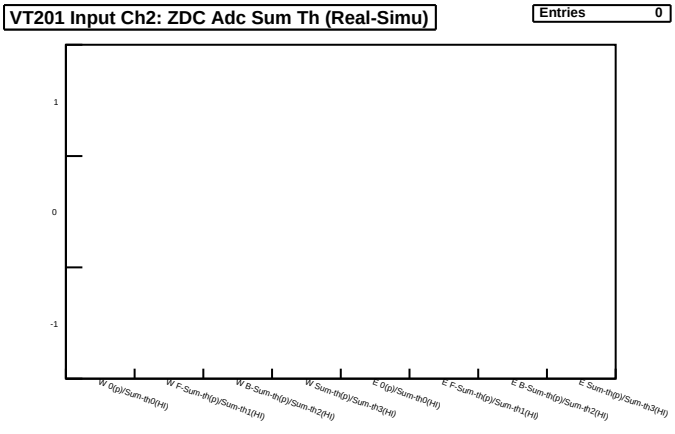

VT201 Input Ch1: EPD Hit Count Th
Entries 51030
25349
25286
166
229
East
West

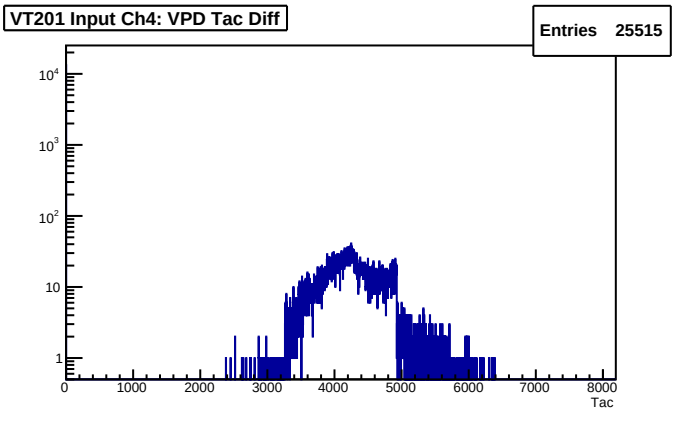

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

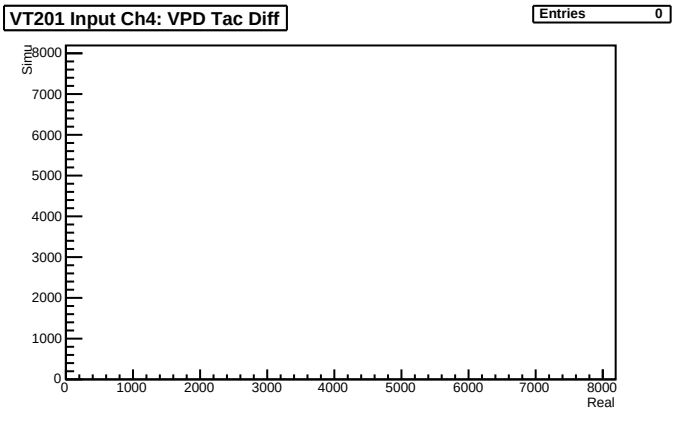

VT201 Input Ch2: ZDC Tac Diff
Entries 25515
Tac

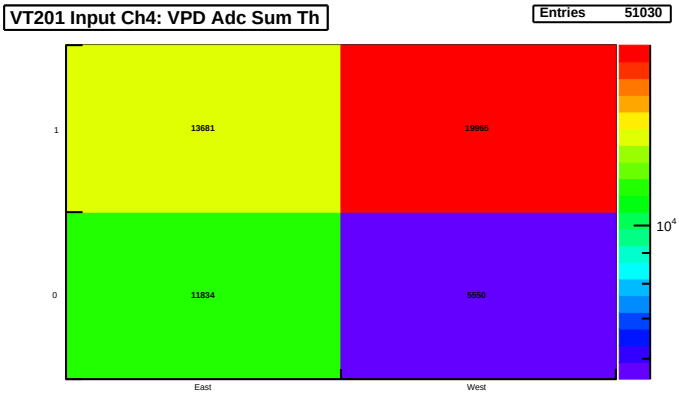

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

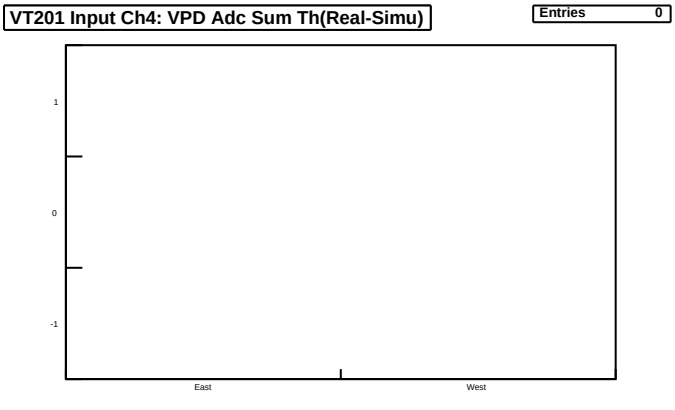

VT201 Input Ch2: ZDC Adc Sum Th
Entries 204120
513
126
463
193
5
4
25002
25389
25515
25515
25052
25322
25510
25511
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

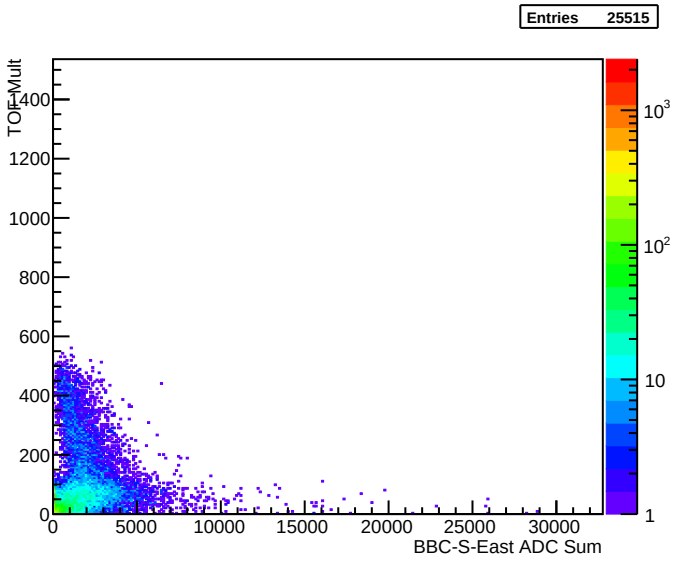

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

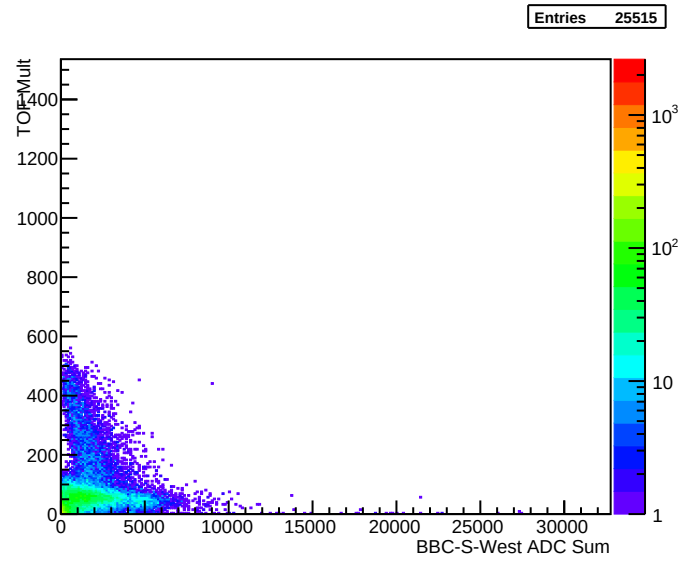

VT201 Input Ch4: VPD Tac Diff
Entries 25515
Tac

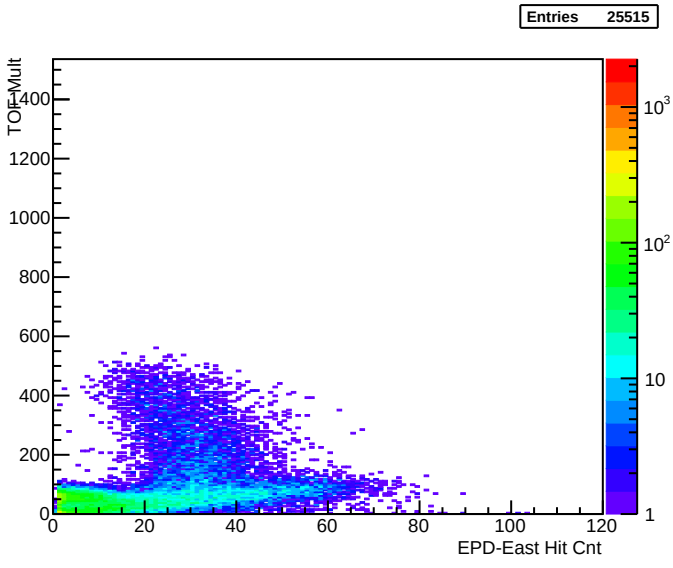

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

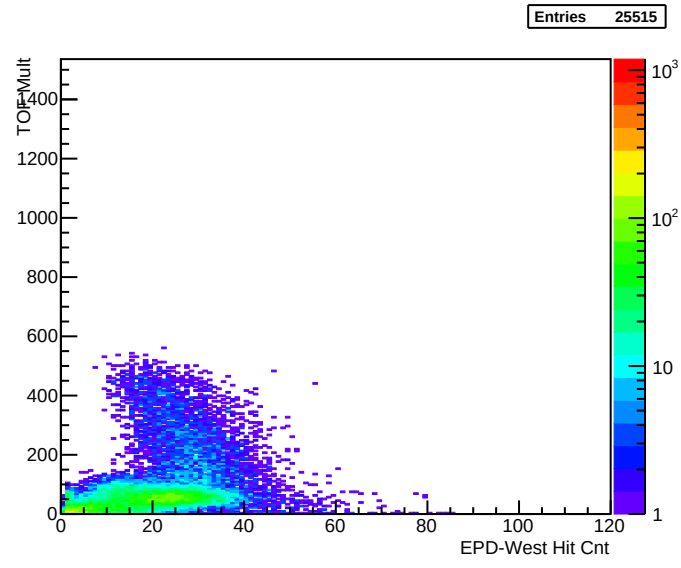

VT201 Input Ch4: VPD Adc Sum Th
Entries 51030
13681
19965
11834
5550
East
West

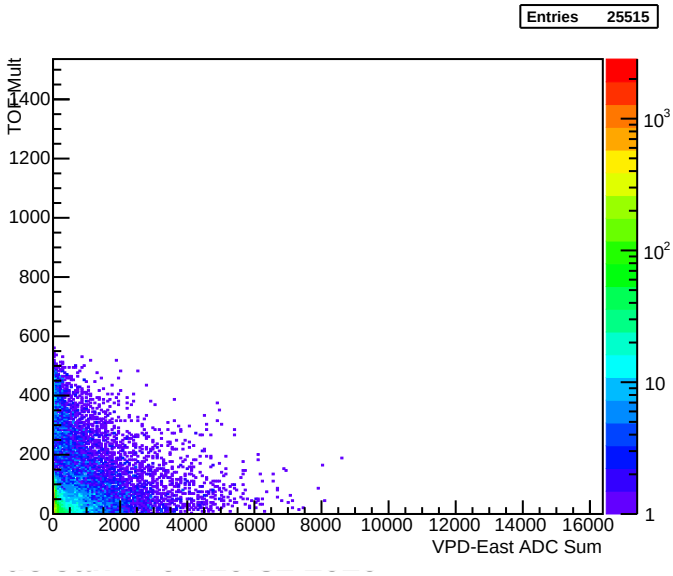

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

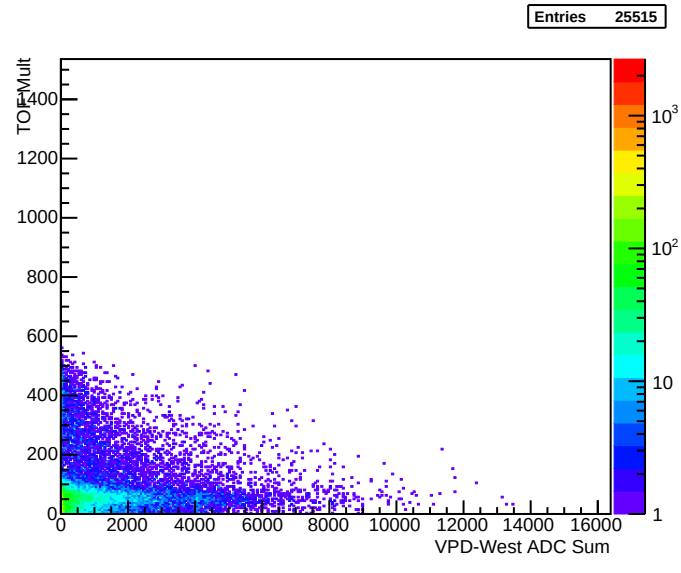

Entries 25515
TOF-Mult
BBC-S-East ADC Sum

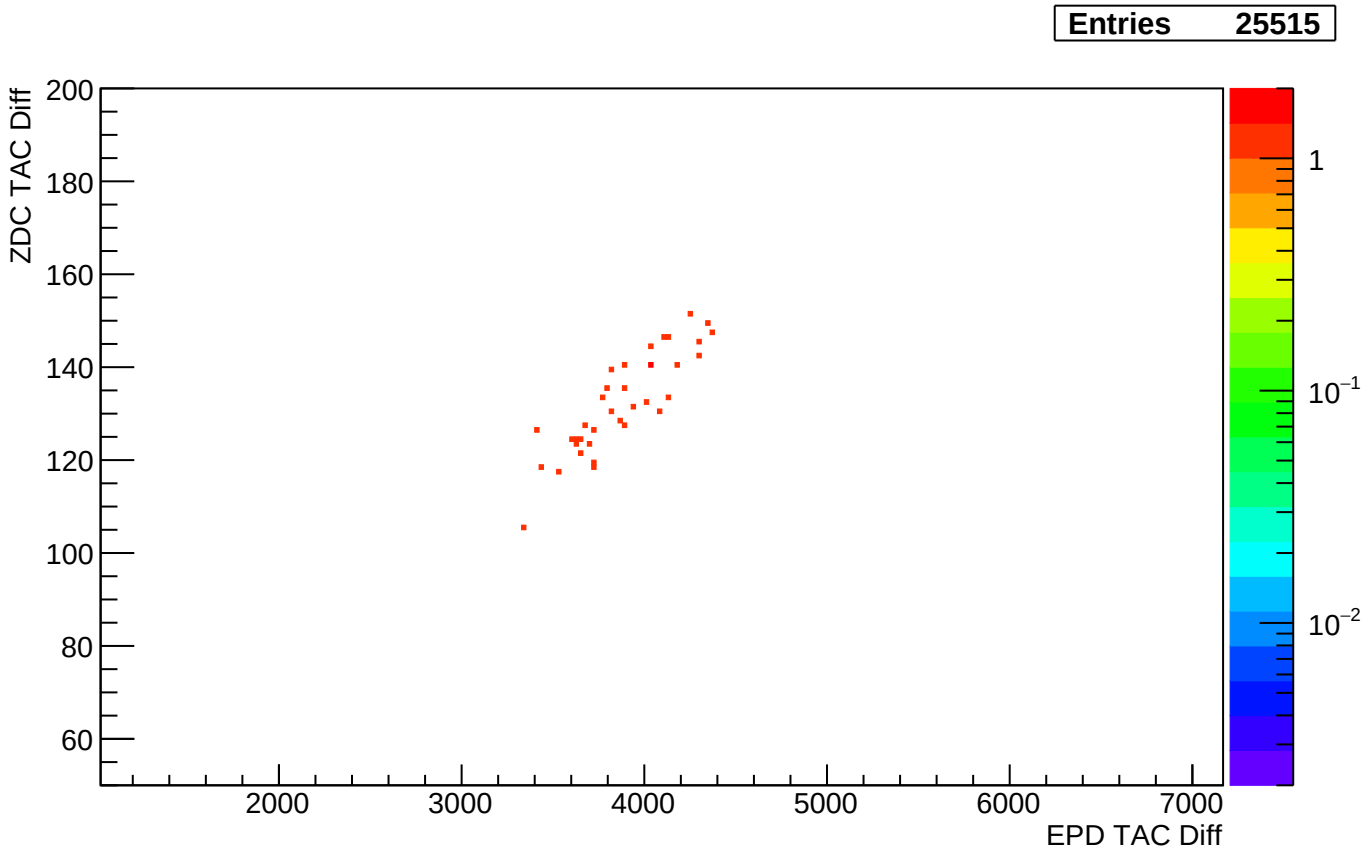

Entries 25515
TOF-Mult
BBC-S-West ADC Sum

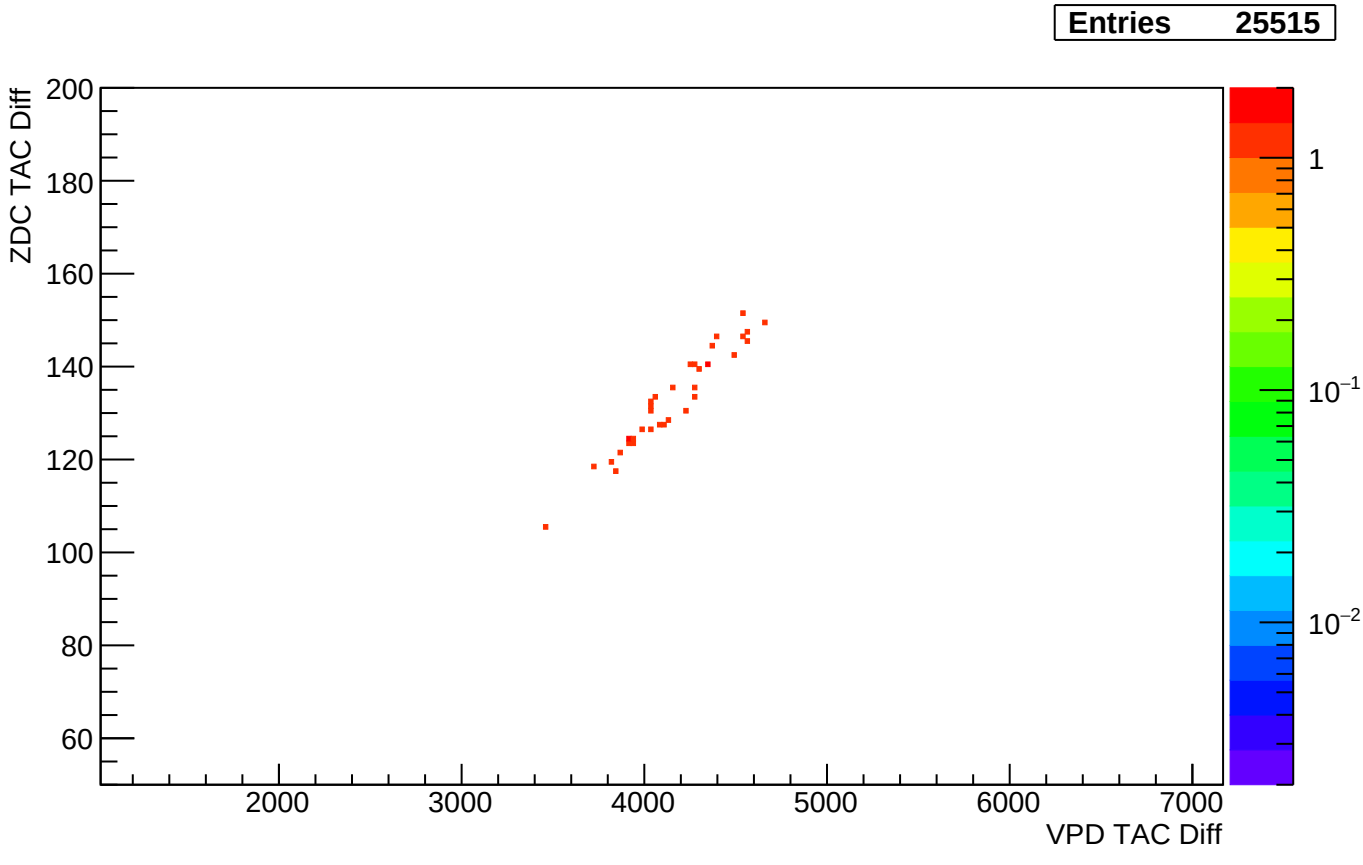

Entries 25515
TOF-Mult
EPD-East Hit Cnt

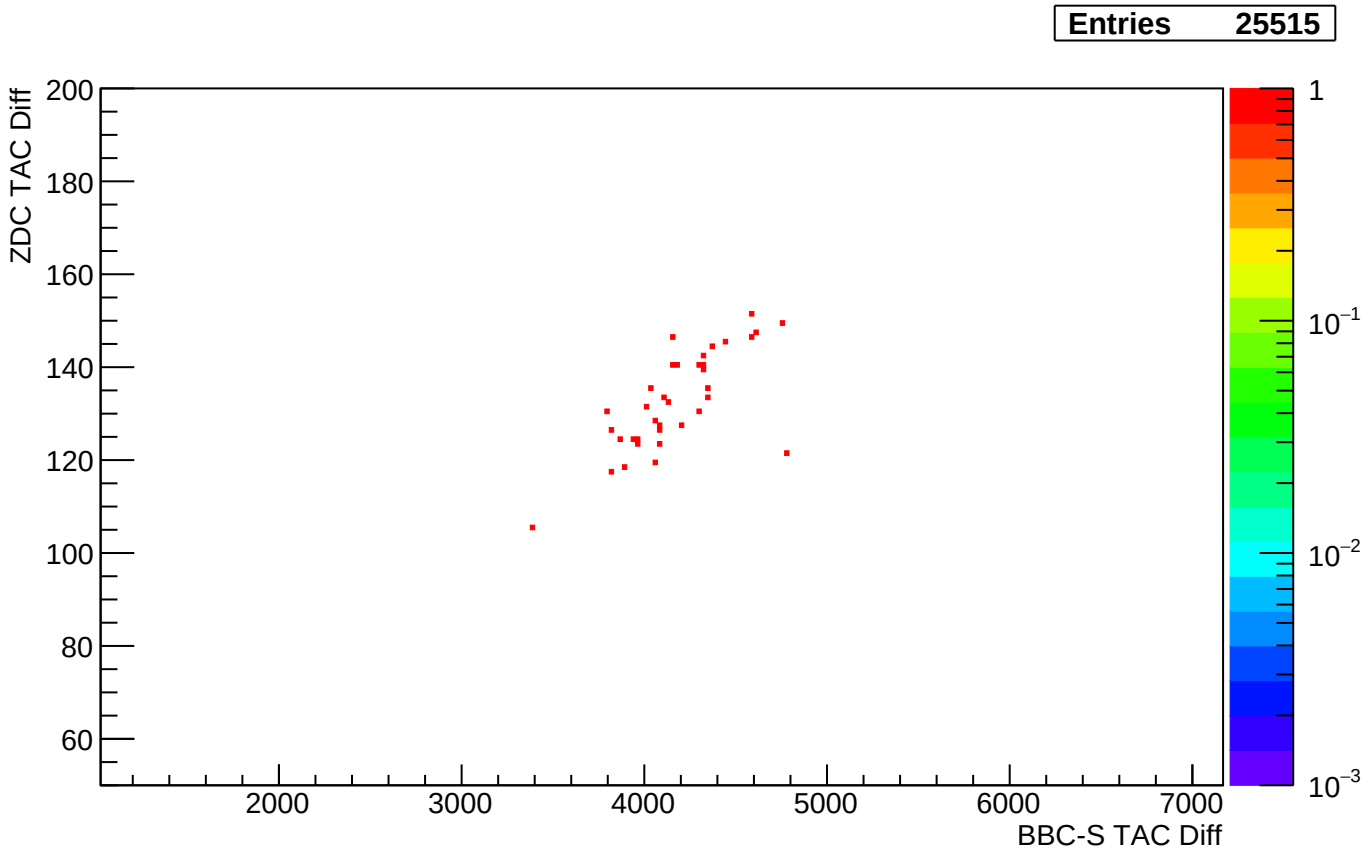

Entries 25515
TOF-Mult
EPD-West Hit Cnt

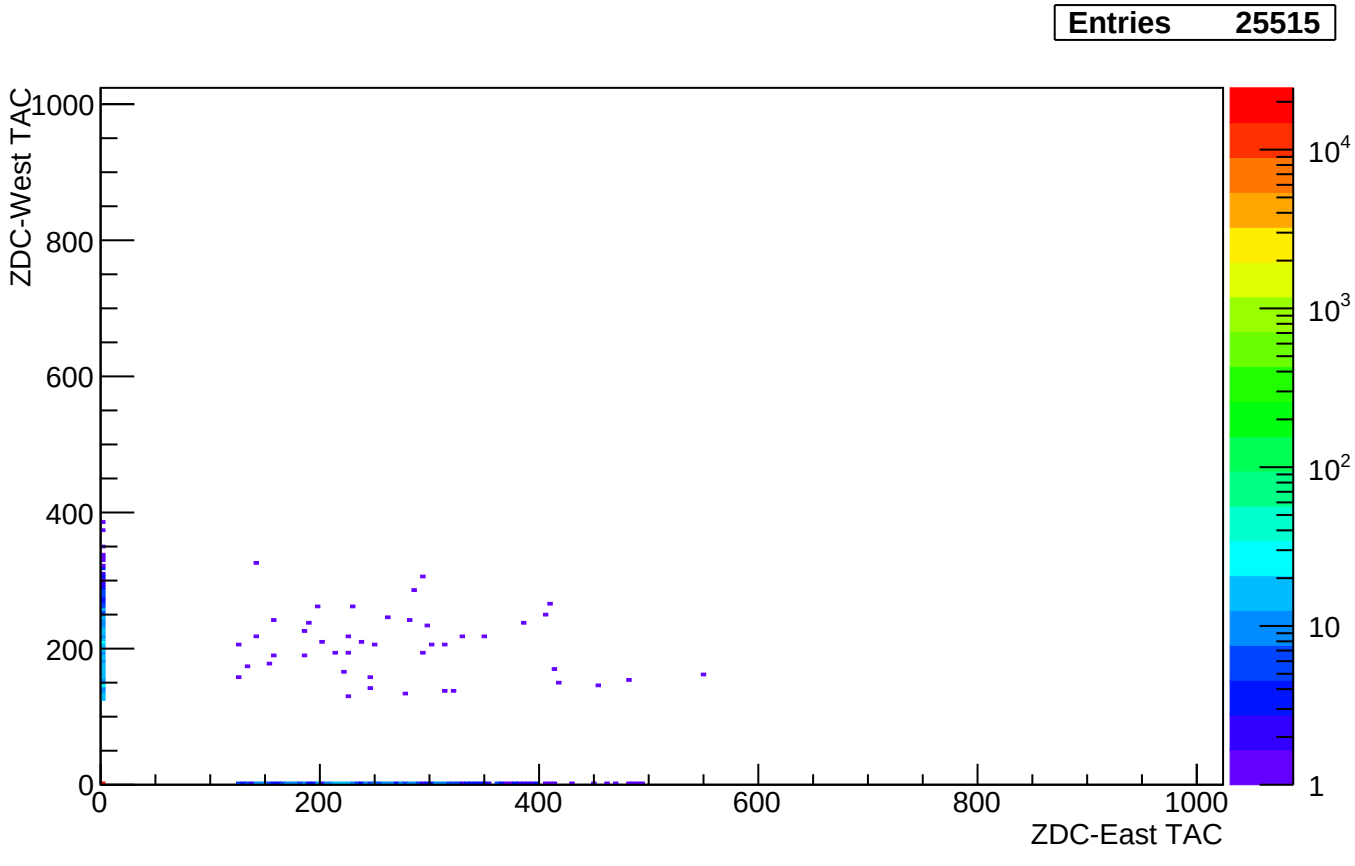

Entries 25515
TOF-Mult
VPD-East ADC Sum

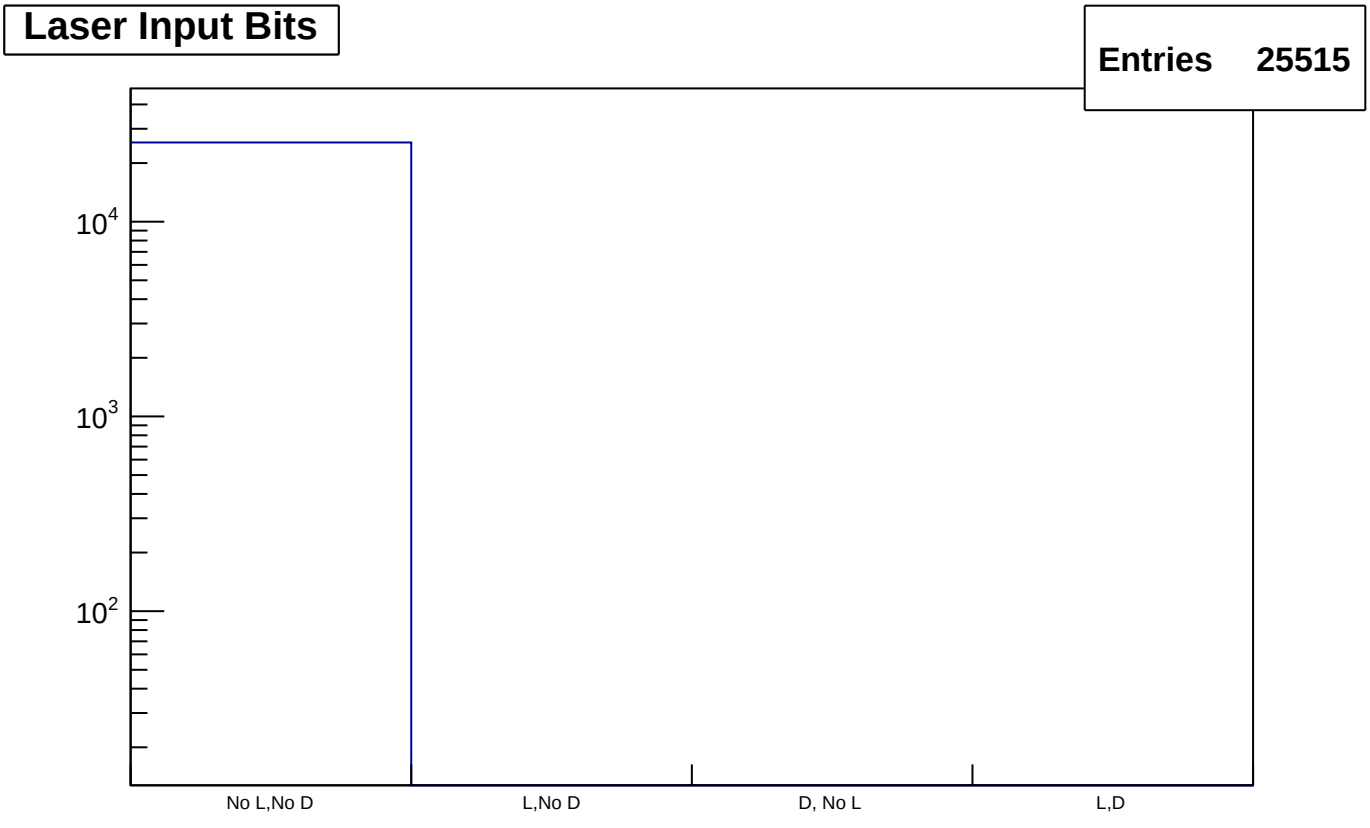

Entries 25515
TOF-Mult
VPD-West ADC Sum

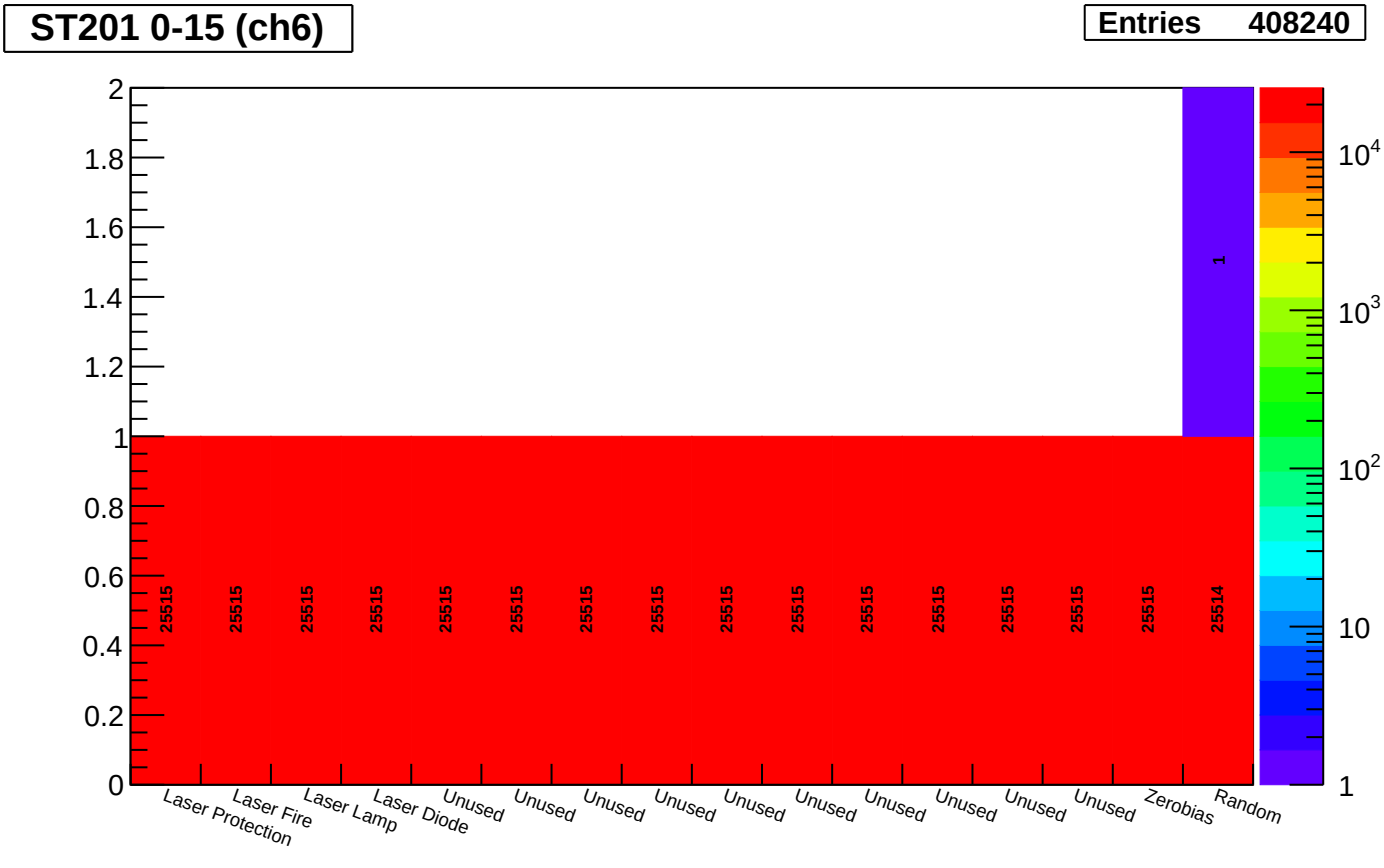

Entries 25515
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

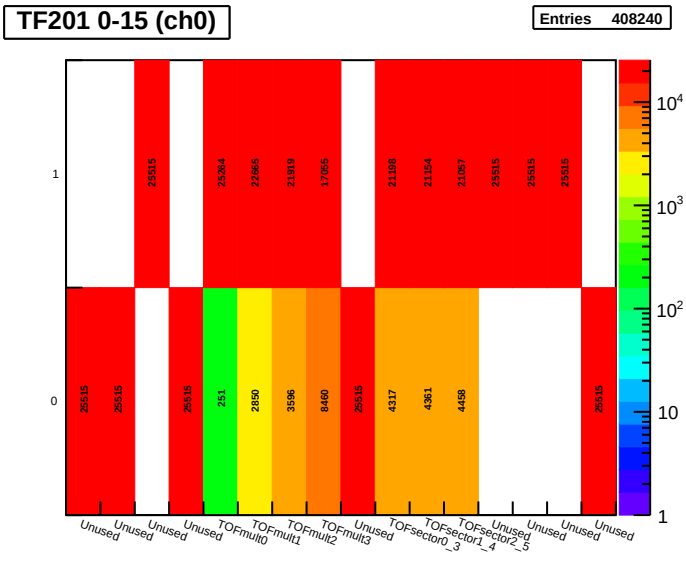

Entries 25515
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

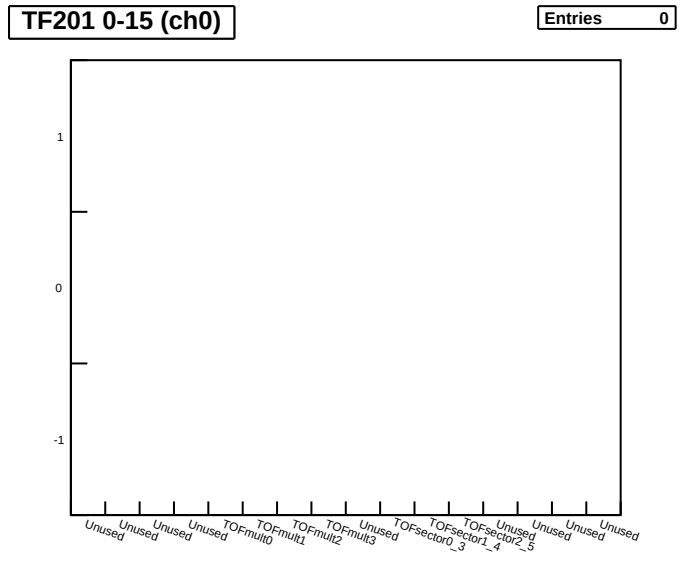

Entries 25515
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

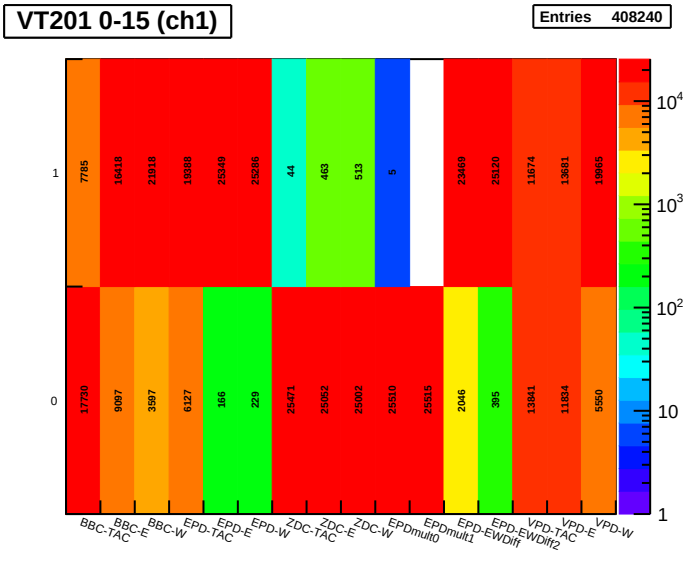

Entries 25515
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

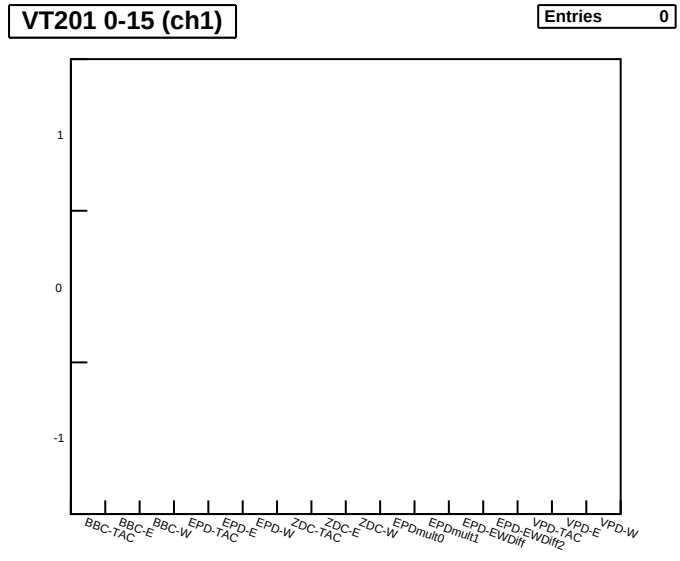

Laser Input Bits
Entries 25515
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

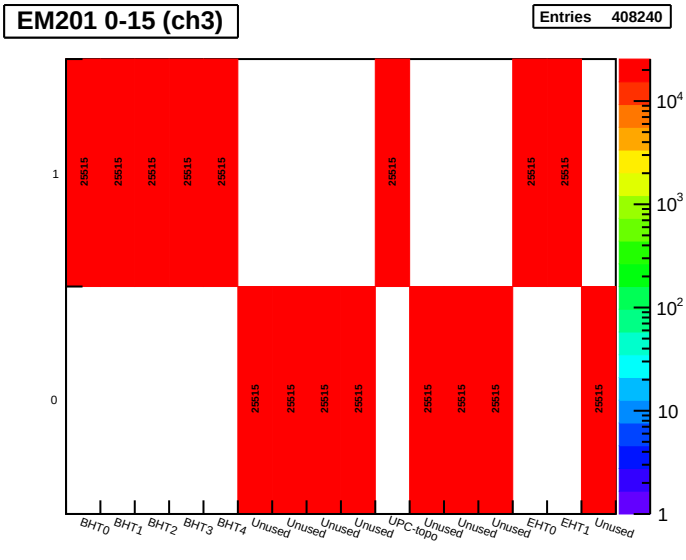

ST201 0-15 (ch6)
Entries 408240
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
25515
25514
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

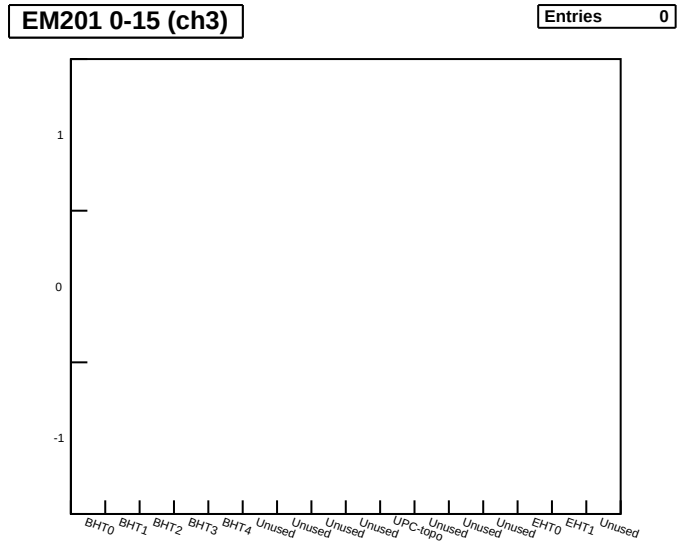

TF201 0-15 (ch0)
Entries 408240
1
0
25515
25264
22665
21919
17055
21198
21154
21057
25515
25515
25515
25515
25515
25515
251
2850
3596
8460
25515
4317
4361
4458
25515
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


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 408240
1
0
7785
16418
21918
19388
25349
25286
44
463
513
5
23469
25120
11674
13681
19065
17730
9097
3597
6127
166
229
25471
25052
25002
25510
25515
2046
395
13841
11834
5550
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
10^4
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 408240
1
0
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
25515
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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