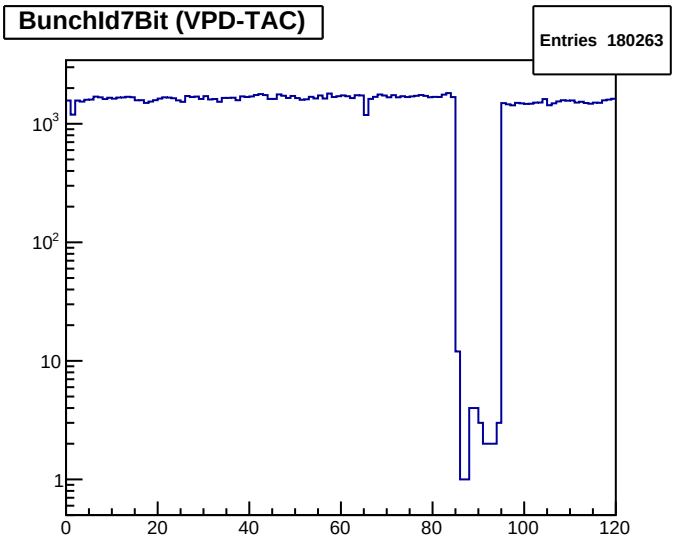
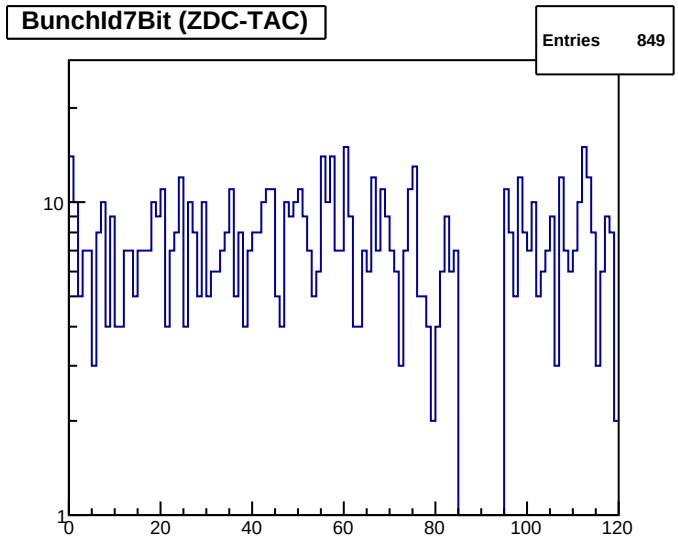
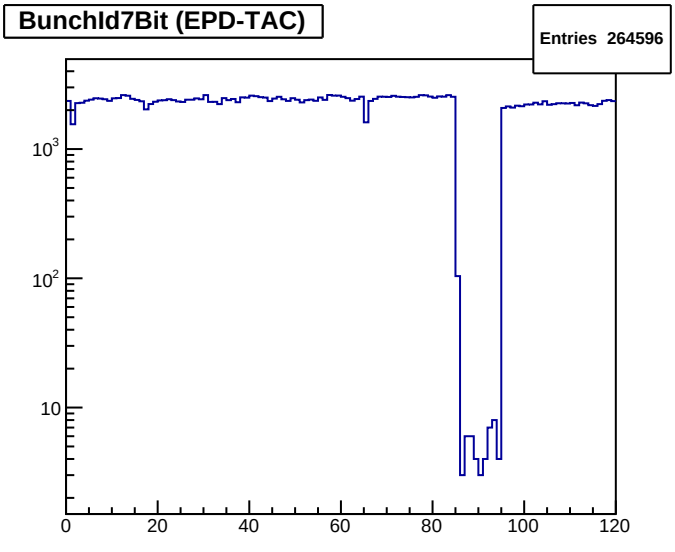
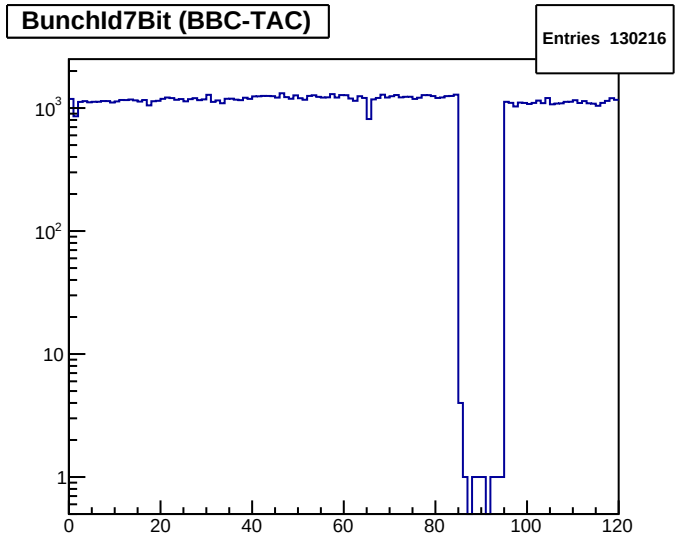
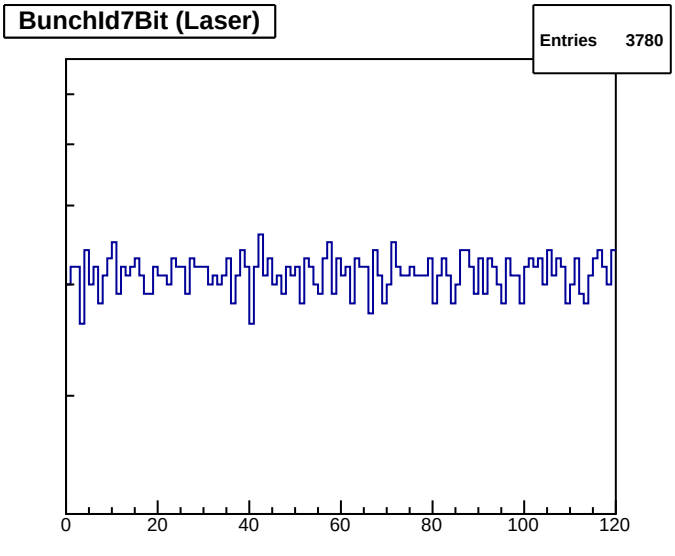
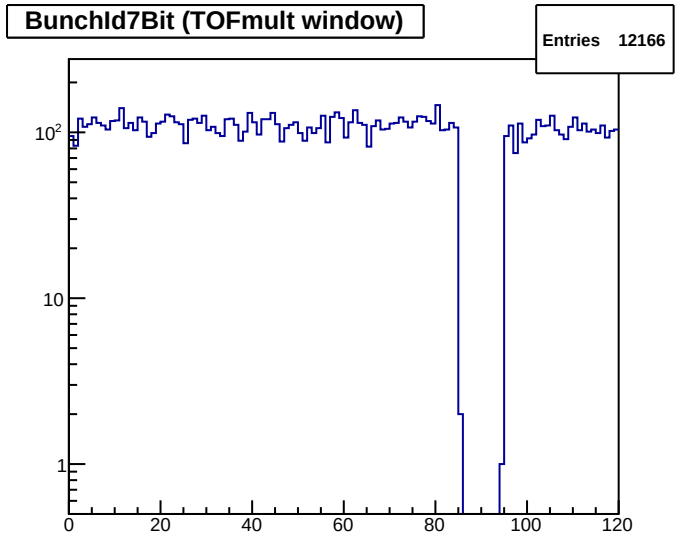

BunchId7Bit (VPD-TAC)
Entries 180263
10^3
10^2
10
1
0
20
40
60
80
100
120

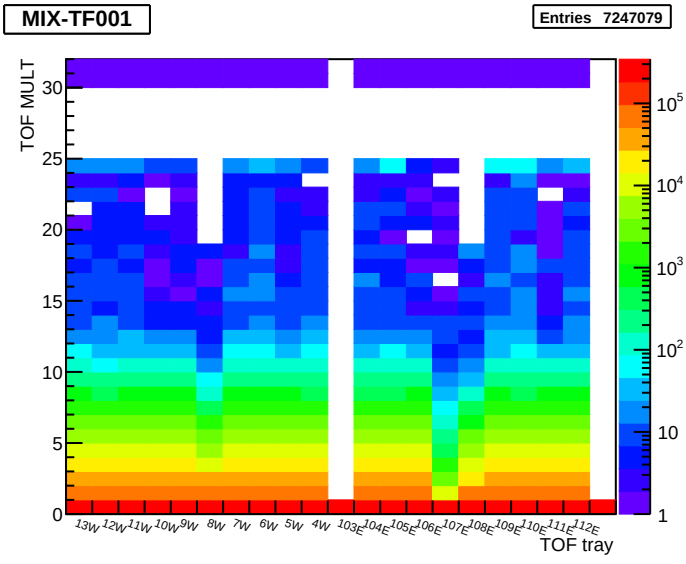

BunchId7Bit (ZDC-TAC)
Entries 849
10
1
0
20
40
60
80
100
120

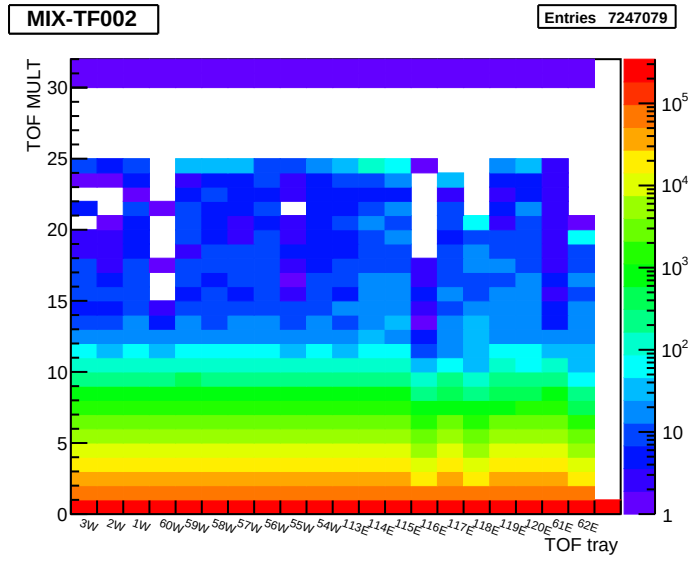

BunchId7Bit (EPD-TAC)
Entries 264596
10^3
10^2
10
0
20
40
60
80
100
120

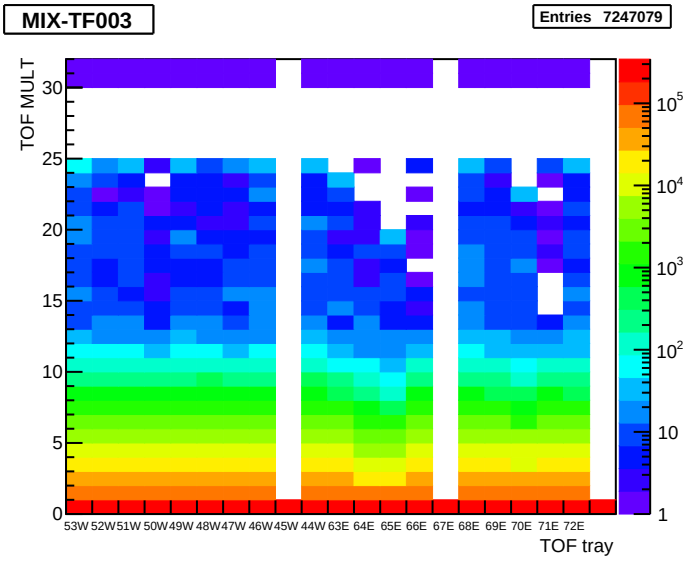

BunchId7Bit (BBC-TAC)
Entries 130216
10^3
10^2
10
1
0
20
40
60
80
100
120

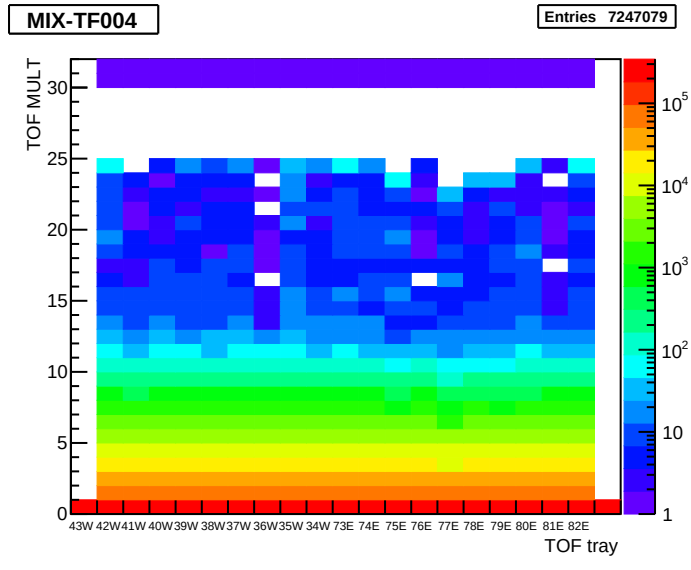

BunchId7Bit (Laser)
Entries 3780
0
20
40
60
80
100
120

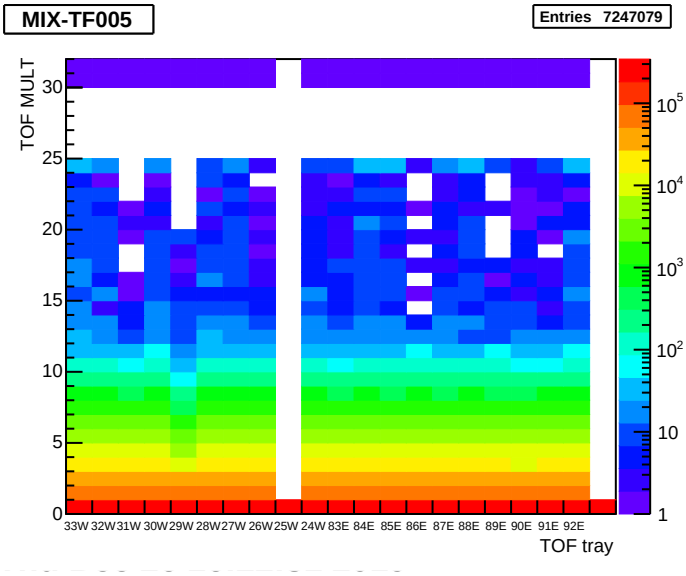

BunchId7Bit (TOFmult window)
Entries 12166
10^2
10
1
0
20
40
60
80
100
120

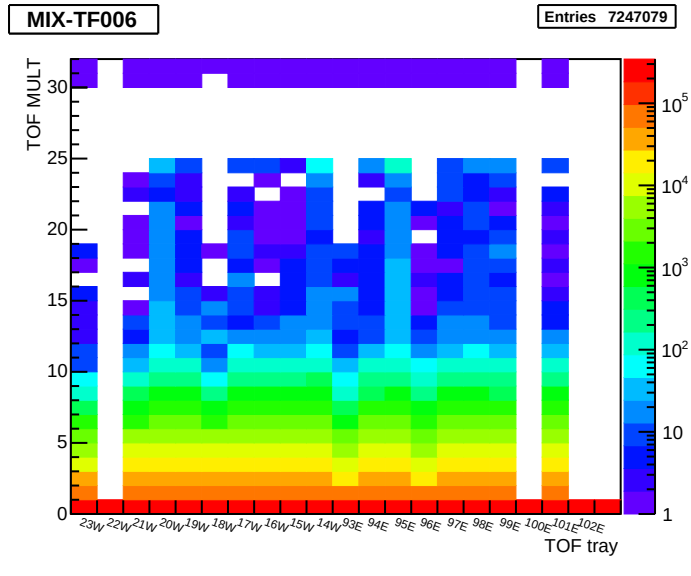

MIX-TF001
Entries 7247079
TOF MULT
TOF tray

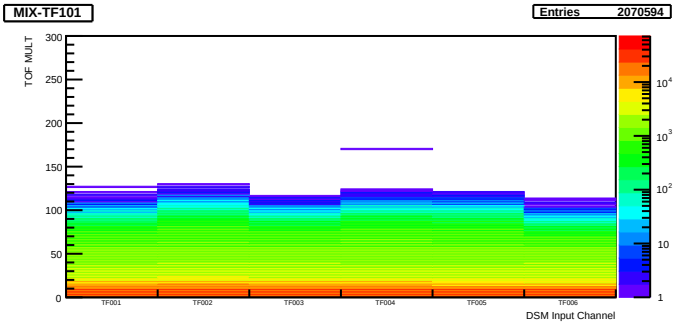

MIX-TF002
Entries 7247079
TOF MULT
TOF tray

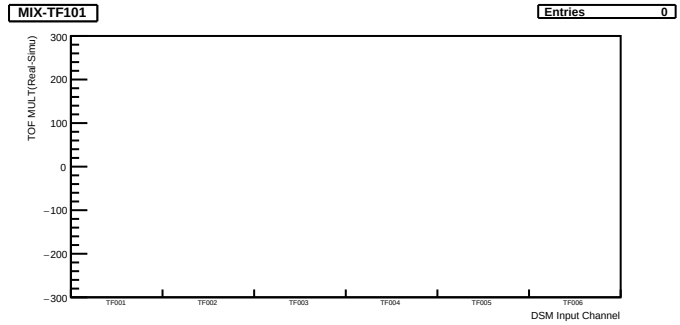

MIX-TF003
Entries 7247079
TOF MULT
TOF tray

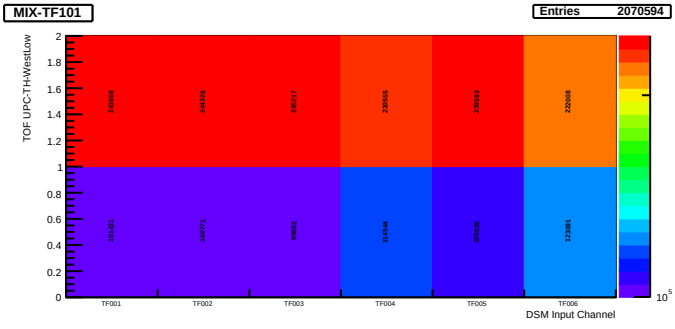

MIX-TF004
Entries 7247079
TOF MULT
TOF tray

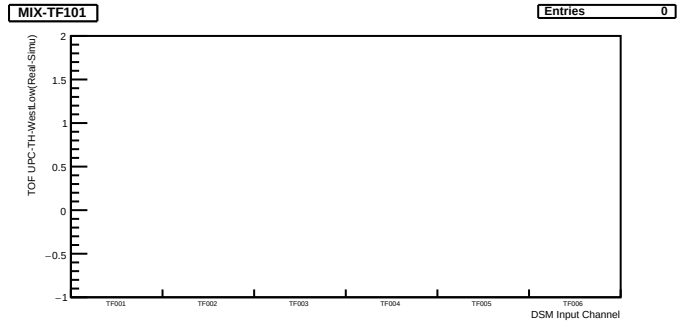

MIX-TF005
Entries 7247079
TOF MULT
TOF tray

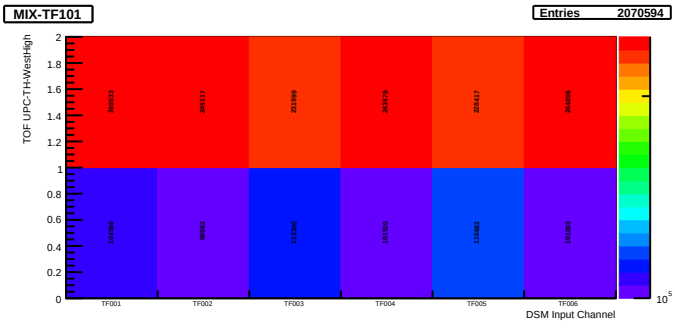

MIX-TF006
Entries 7247079
TOF MULT
TOF tray

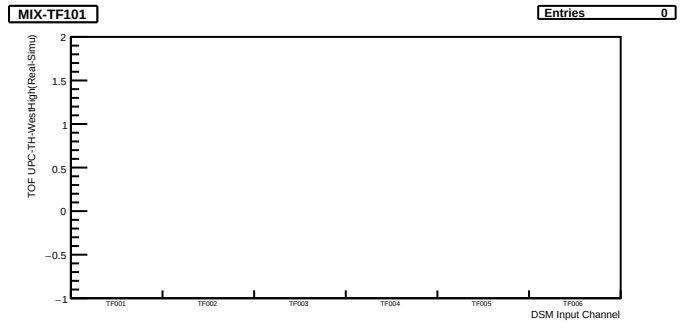

MIX-TF101
Entries 2070594
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

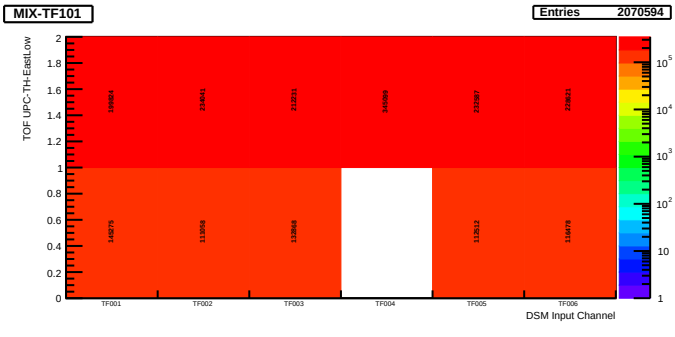

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

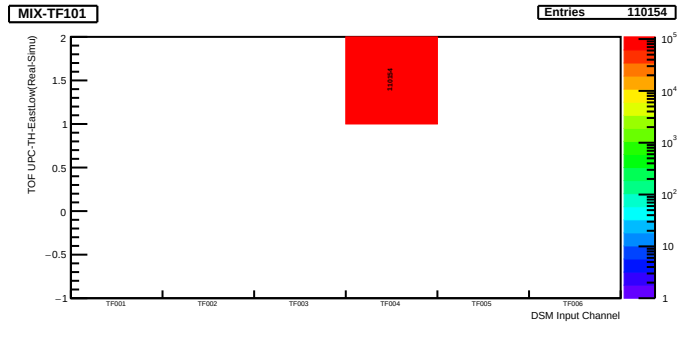

MIX-TF101
Entries 2070594
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

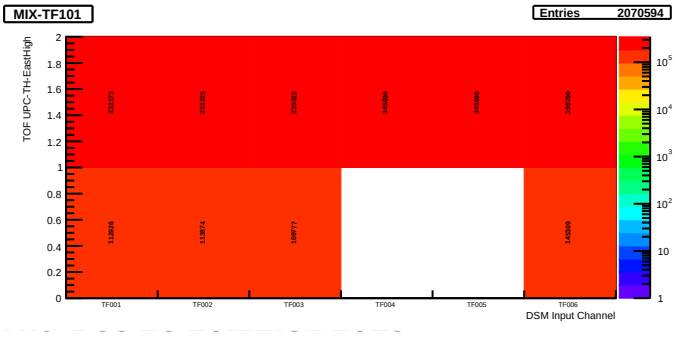

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

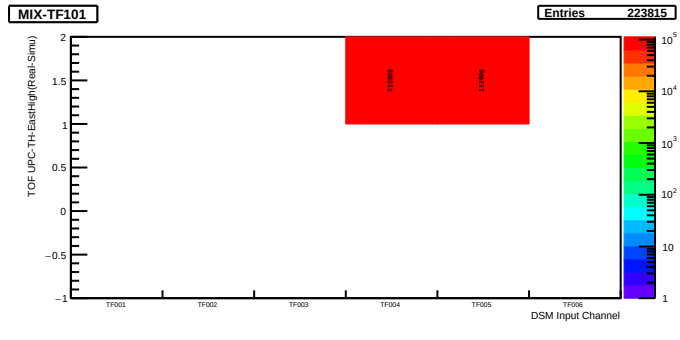

MIX-TF101
Entries 2070594
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

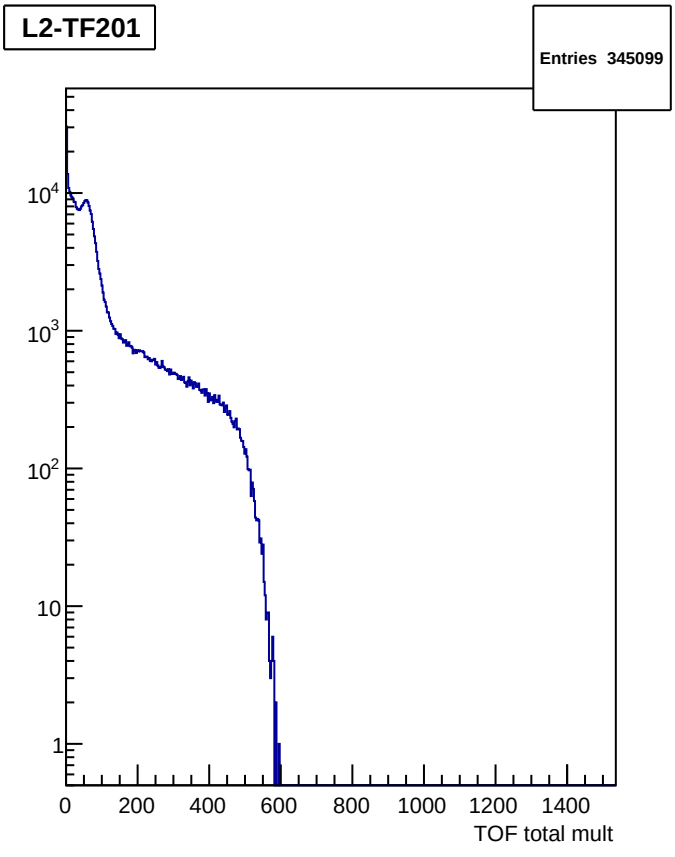

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

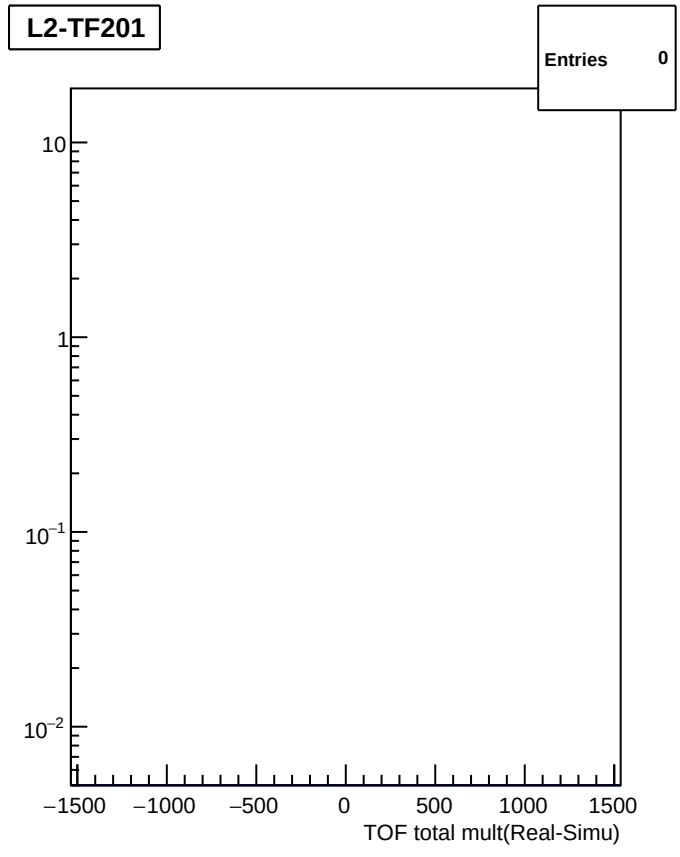

MIX-TF101
Entries 2070594
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

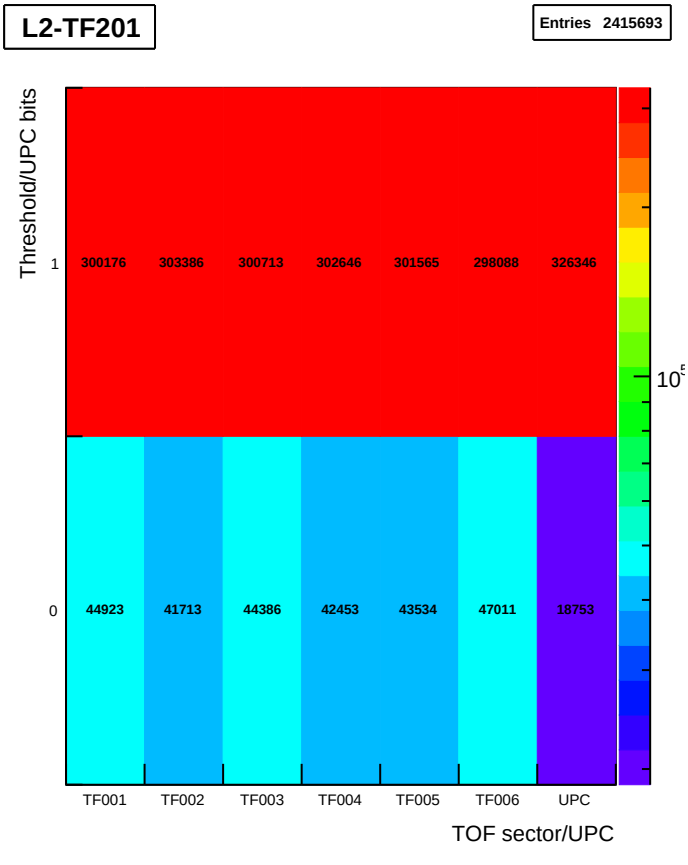

MIX-TF101
Entries 110154
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

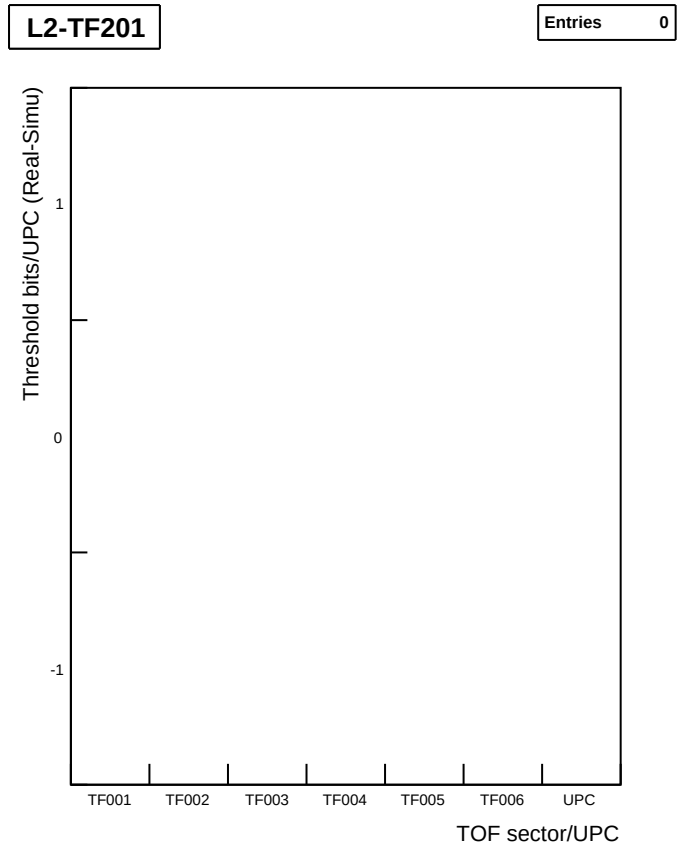

MIX-TF101
Entries 2070594
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

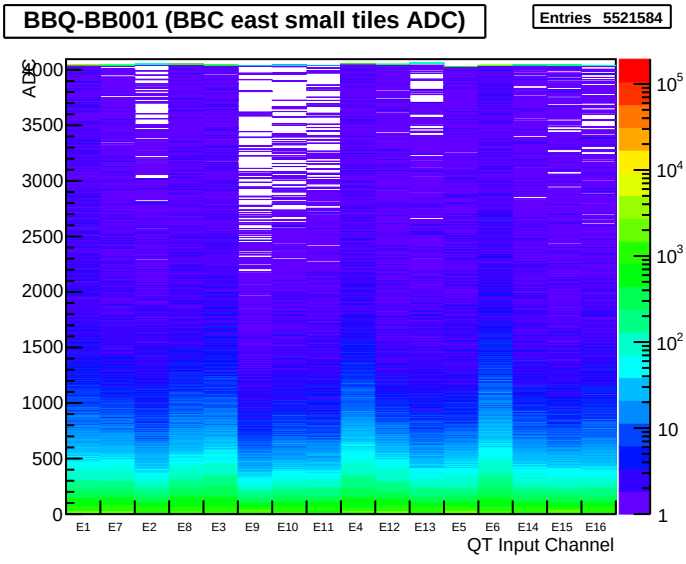

MIX-TF101
Entries 223815
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

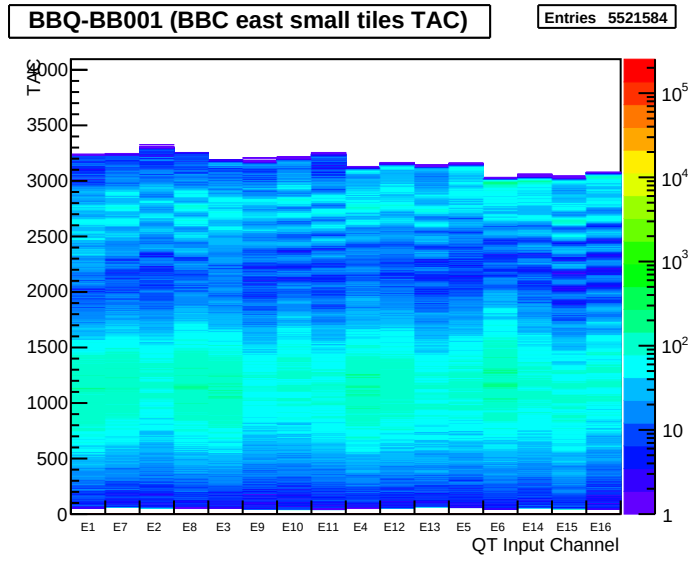

L2-TF201
Entries 345099
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

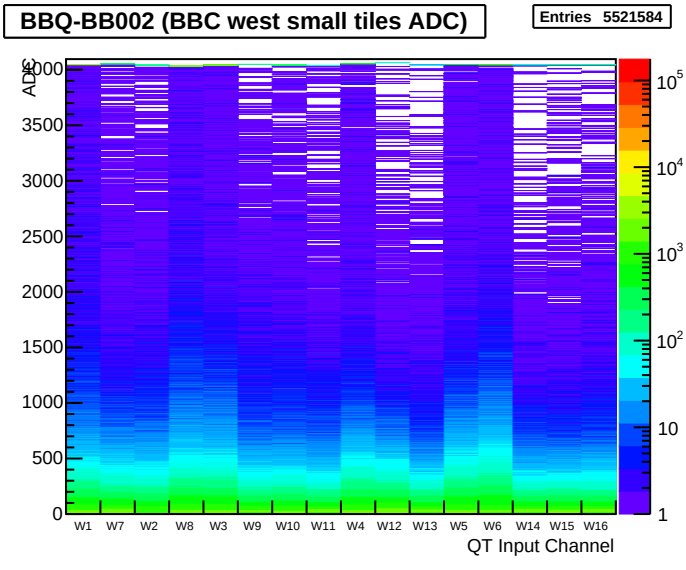

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

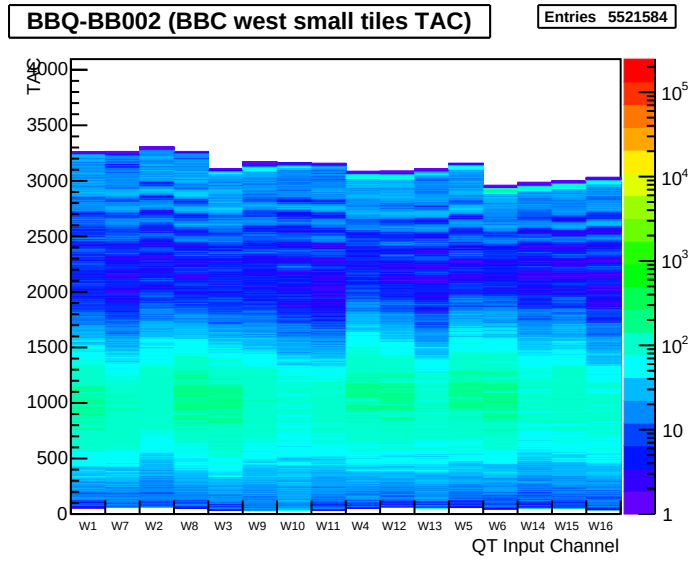

L2-TF201
Entries 2415693
Threshold/UPC bits
1
0
300176
303386
300713
302646
301565
298088
326346
44923
41713
44386
42453
43534
47011
18753
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

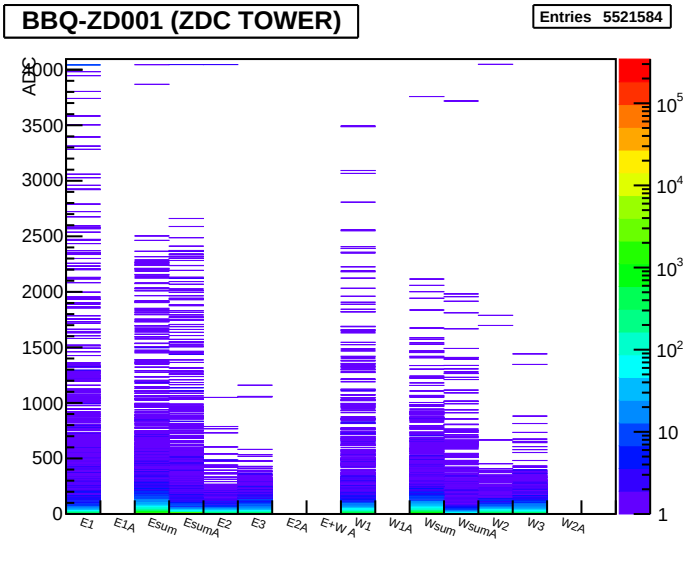

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

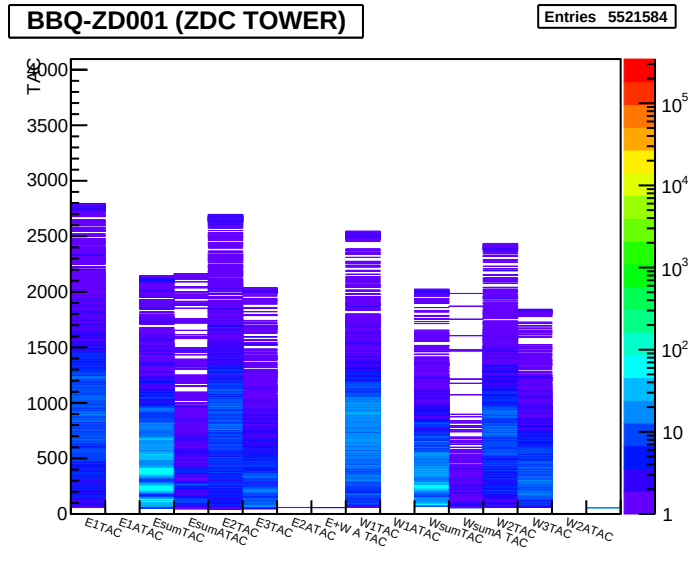

BBQ-BB001 (BBC east small tiles ADC)
Entries 5521584
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

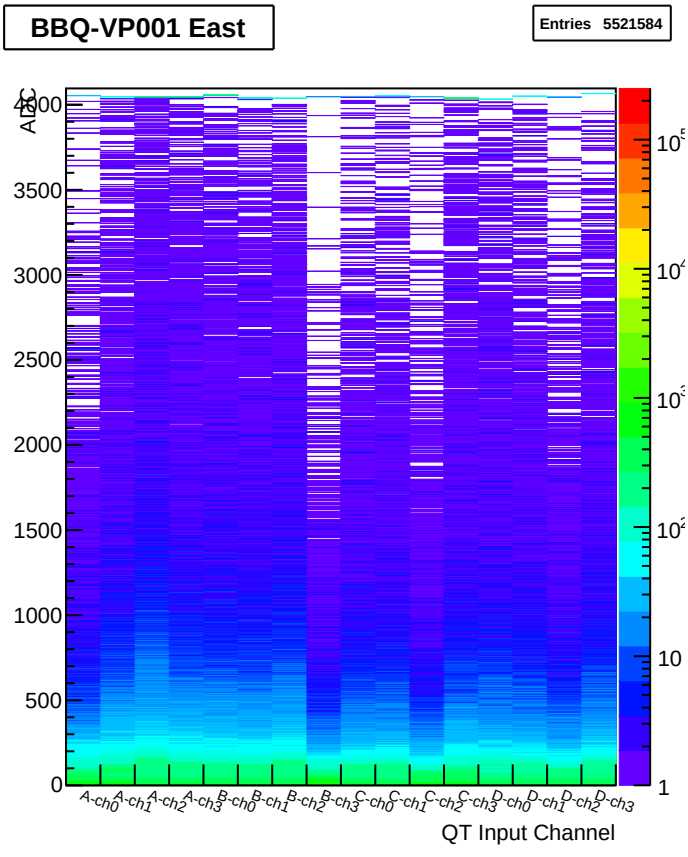

BBQ-BB001 (BBC east small tiles TAC)
Entries 5521584
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

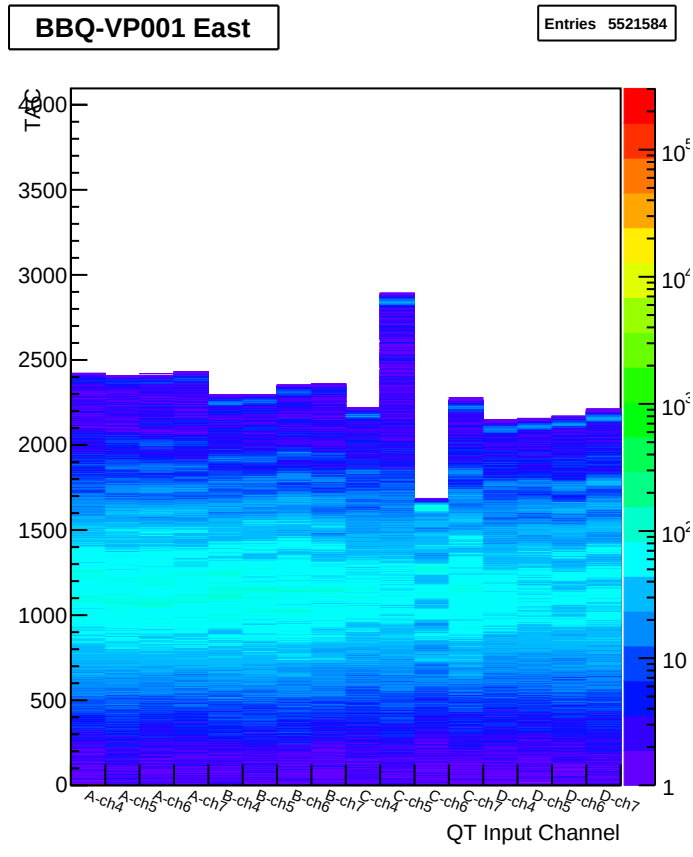

BBQ-BB002 (BBC west small tiles ADC)
Entries 5521584
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

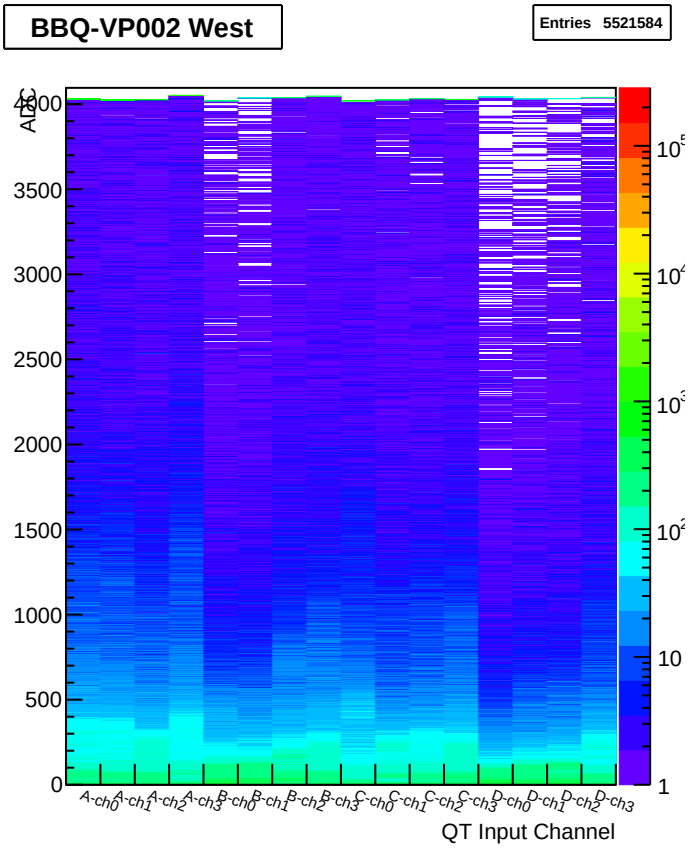

BBQ-BB002 (BBC west small tiles TAC)
Entries 5521584
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

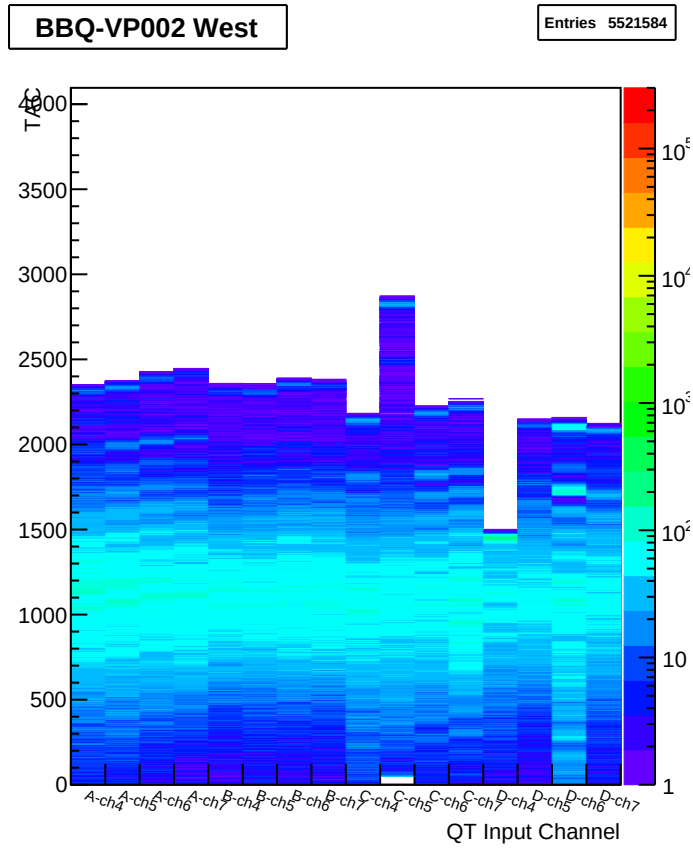

BBQ-ZD001 (ZDC TOWER)
Entries 5521584
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

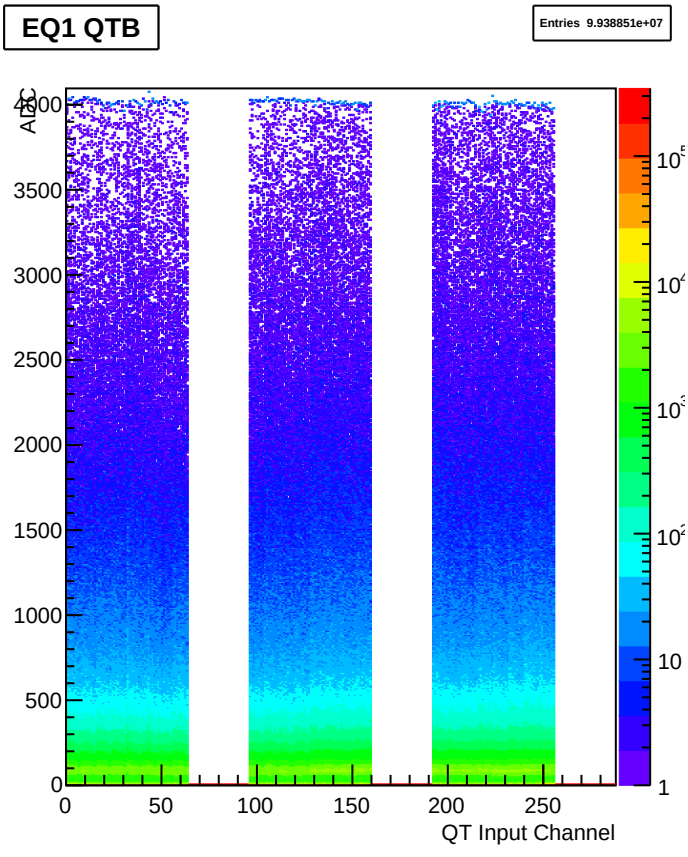

BBQ-ZD001 (ZDC TOWER)
Entries 5521584
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

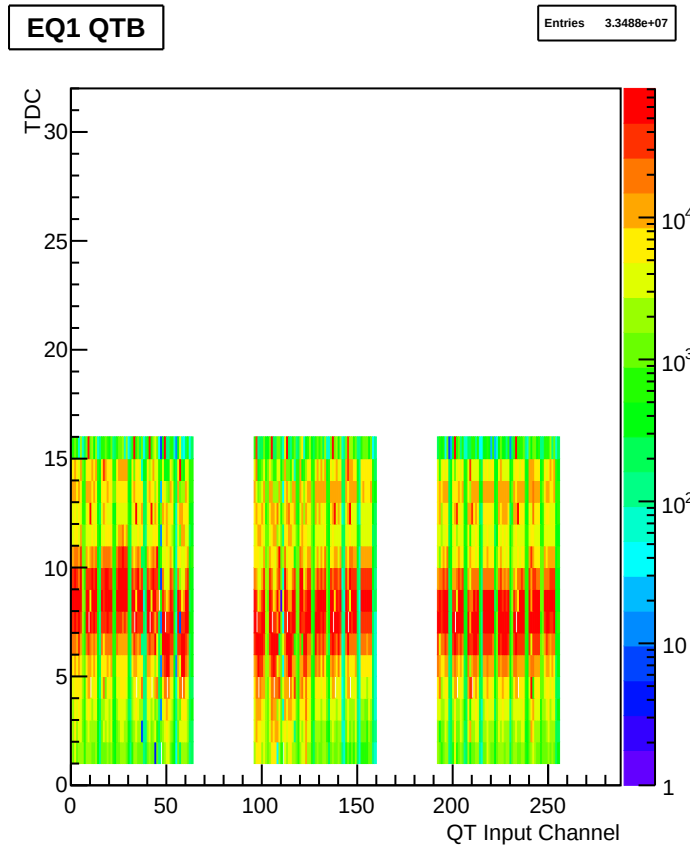

BBQ-VP001 East
Entries 5521584
ADC
QT Input Channel

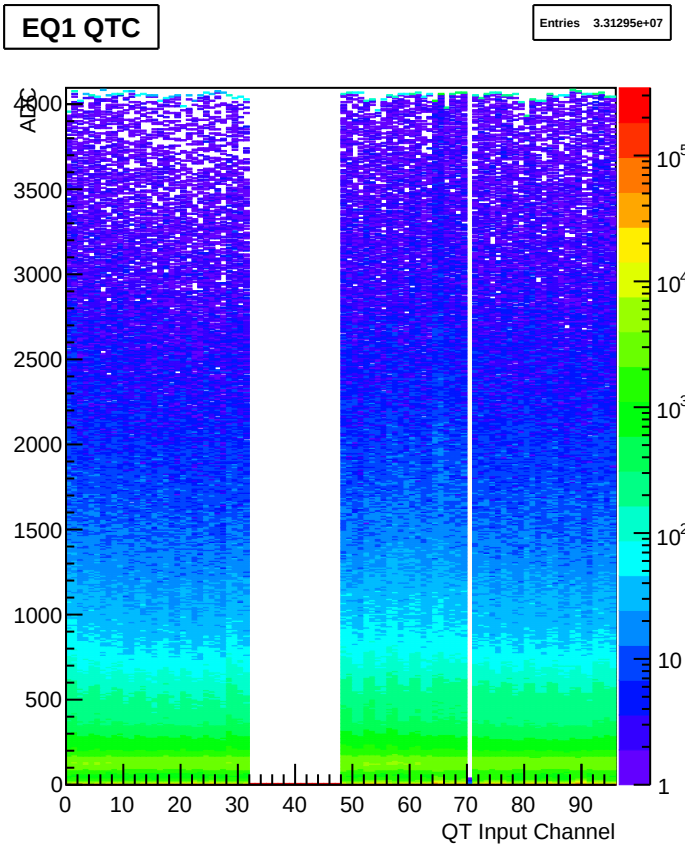

BBQ-VP001 East
Entries 5521584
TADC
QT Input Channel

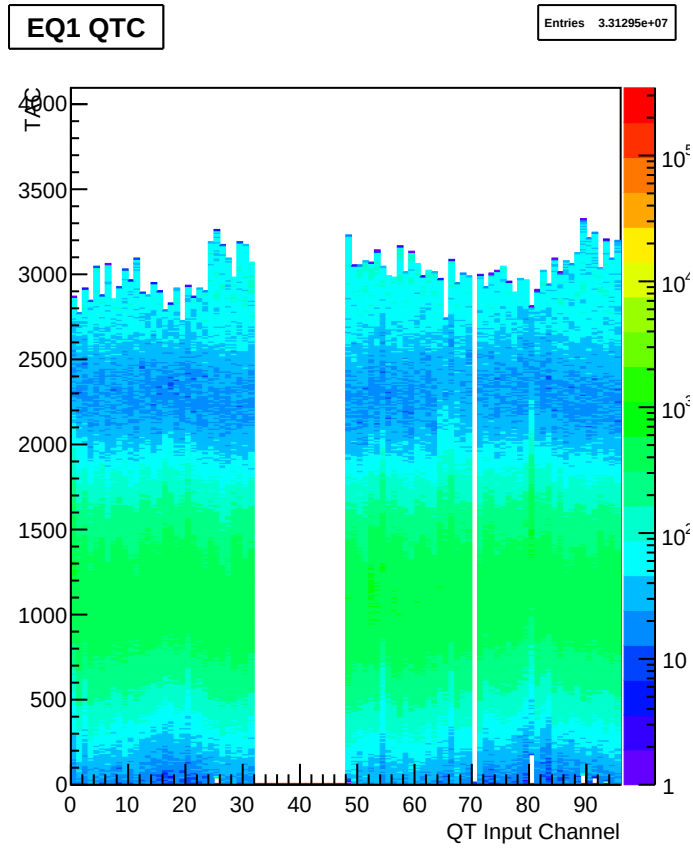

BBQ-VP002 West
Entries 5521584
ADC
QT Input Channel

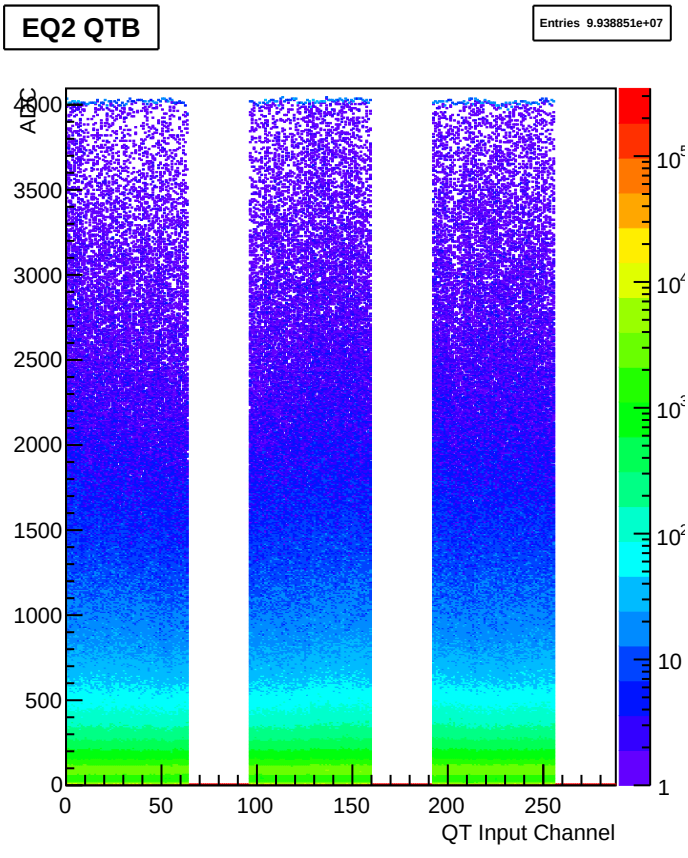

BBQ-VP002 West
Entries 5521584
TADC
QT Input Channel

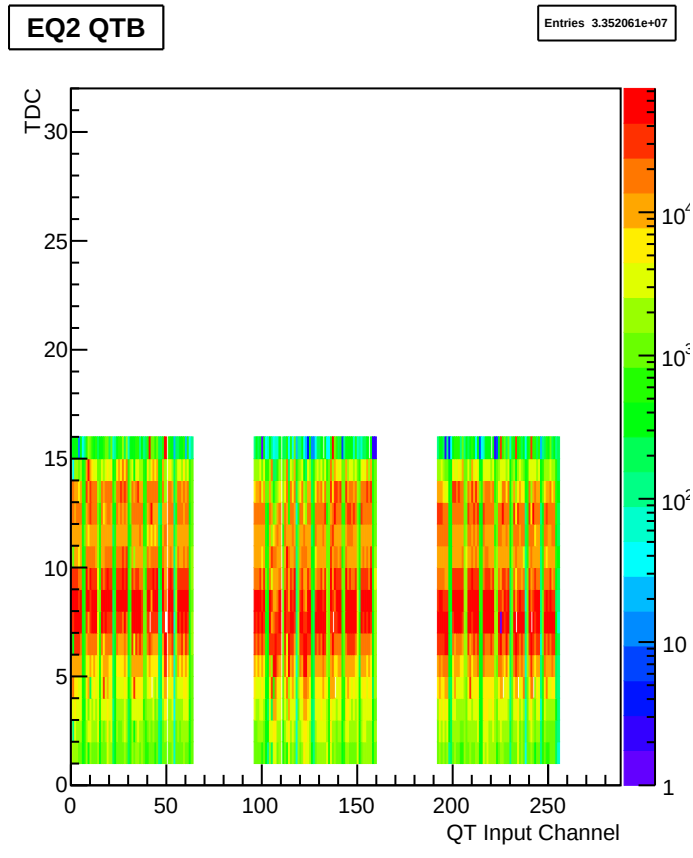

EQ1 QTB
Entries 9.938851e+07
ADC
QT Input Channel

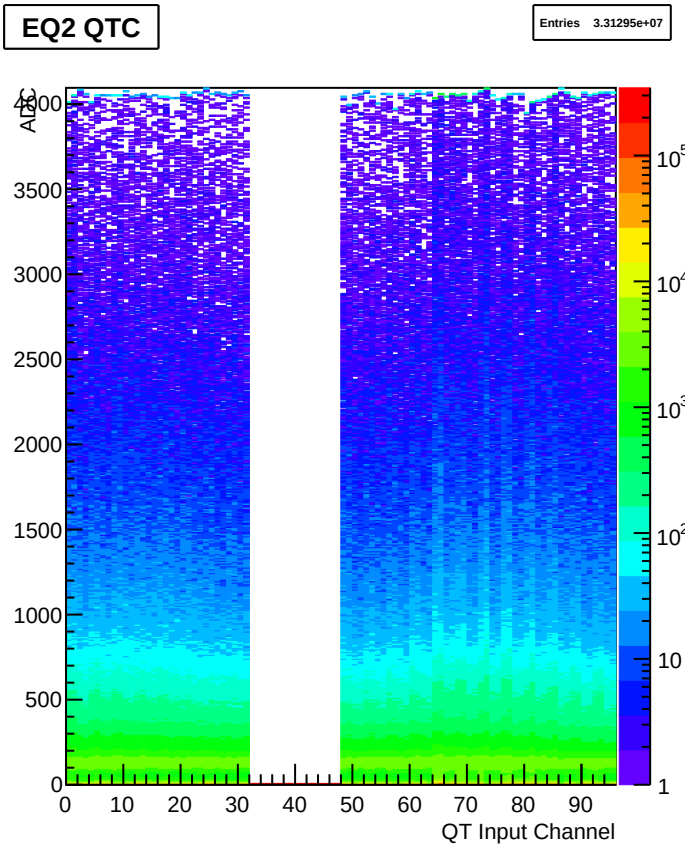

EQ1 QTB
Entries 3.3488e+07
TDC
QT Input Channel

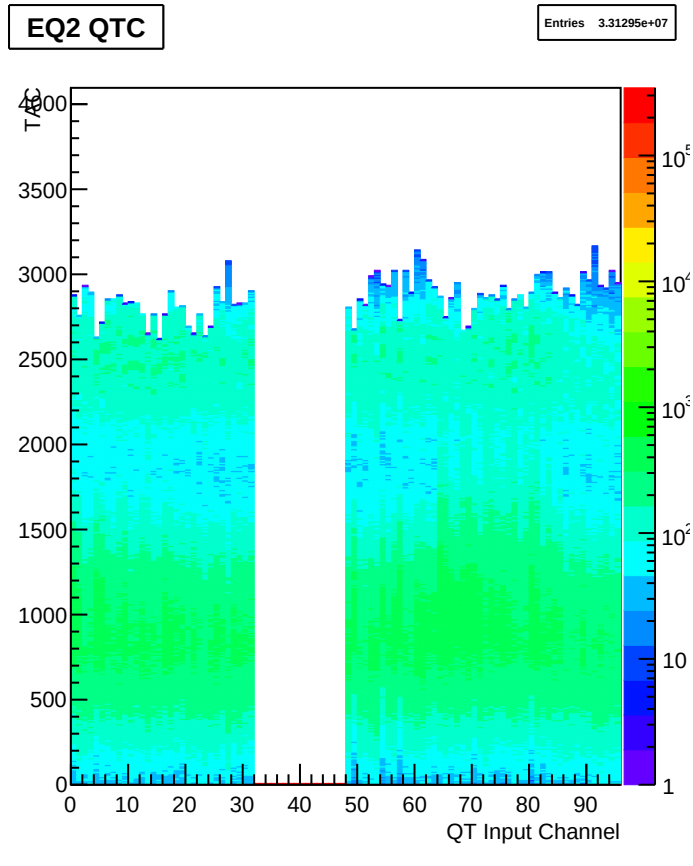

EQ1 QTC
Entries 3.31295e+07
ADC
QT Input Channel

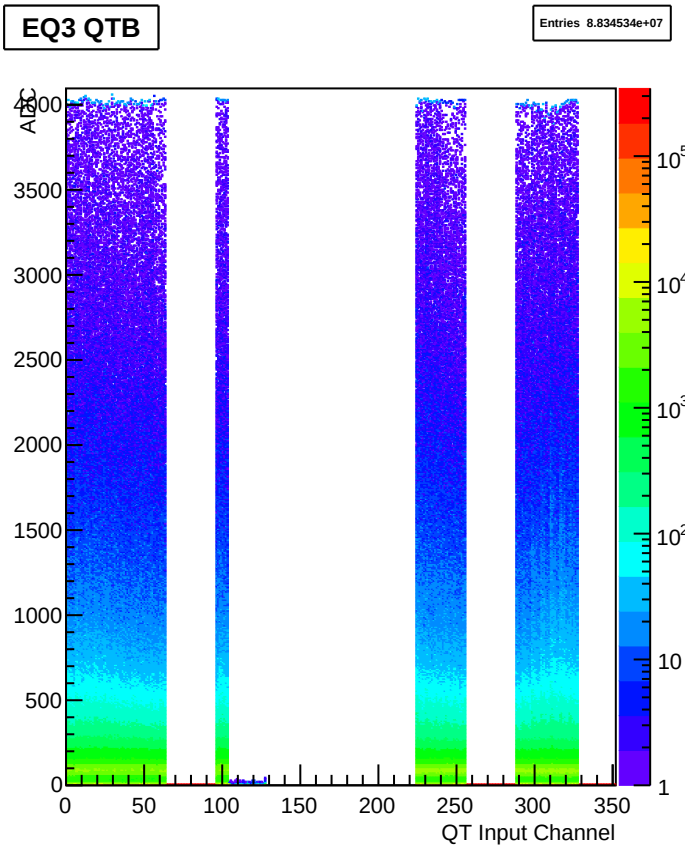

EQ1 QTC
Entries 3.31295e+07
TADC
QT Input Channel

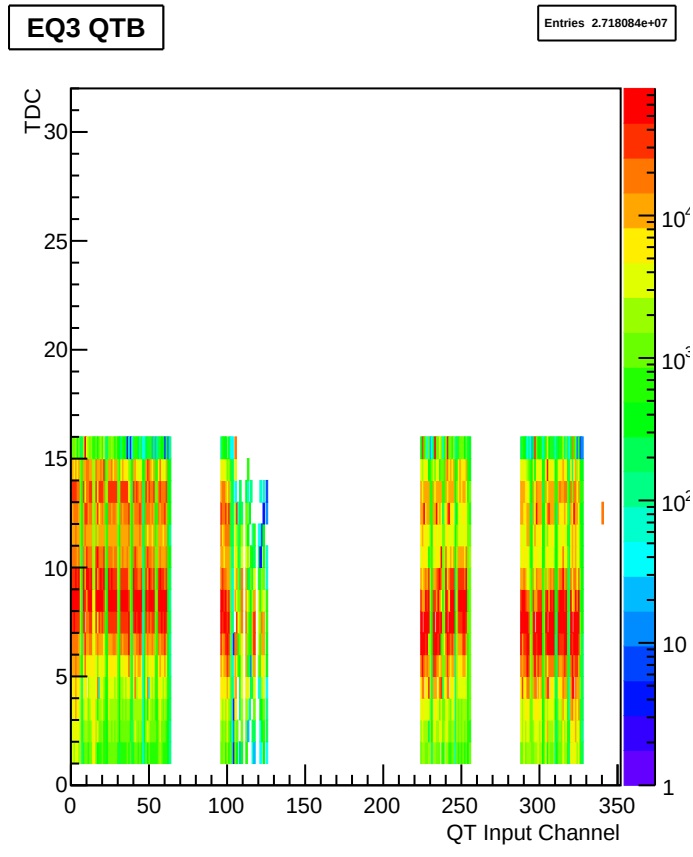

EQ2 QTB
Entries 9.938851e+07
ADC
QT Input Channel

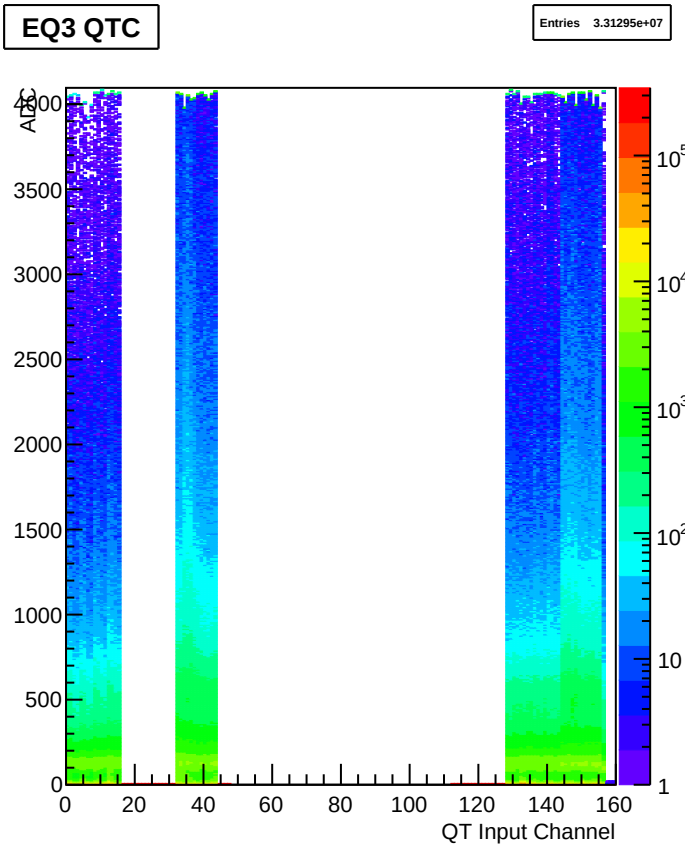

EQ2 QTB
Entries 3.352061e+07
TDC
QT Input Channel

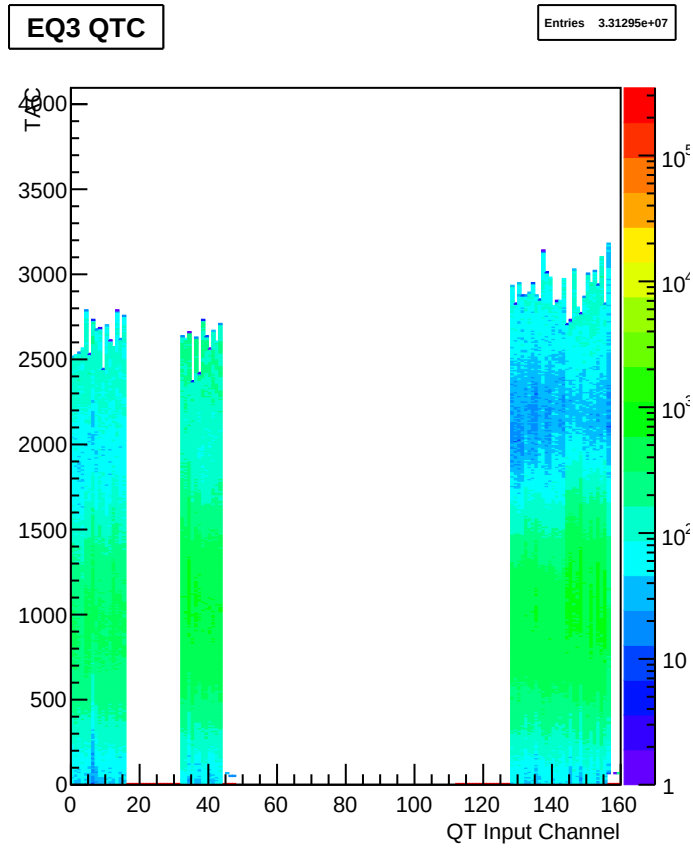

EQ2 QTC
Entries 3.31295e+07
ADC
QT Input Channel

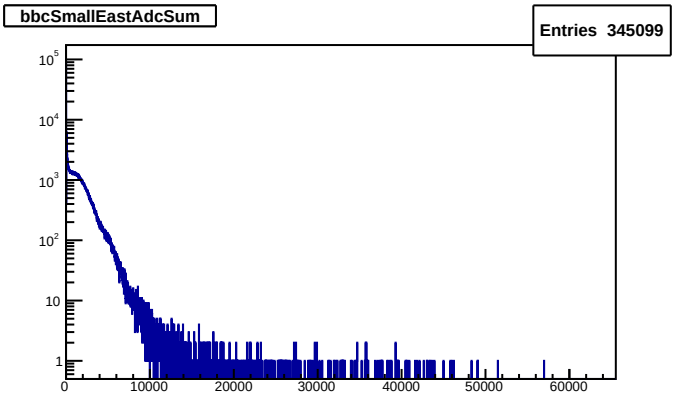

EQ2 QTC
Entries 3.31295e+07
TADC
QT Input Channel

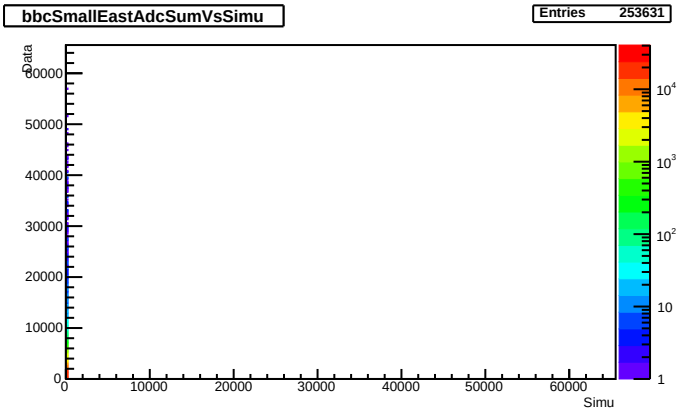

EQ3 QTB
Entries 8.834534e+07
ADC
QT Input Channel

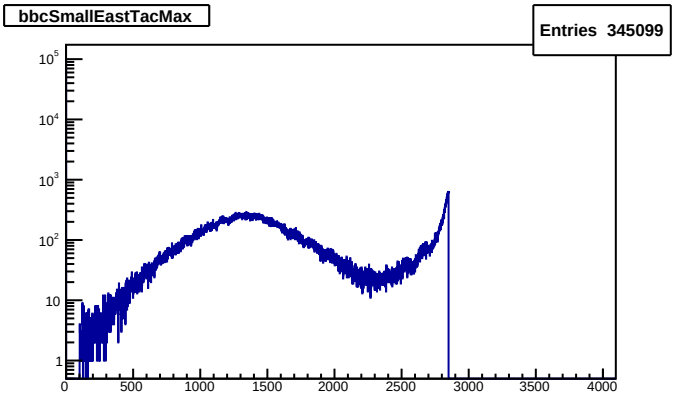

EQ3 QTB
Entries 2.718084e+07
TDC
QT Input Channel

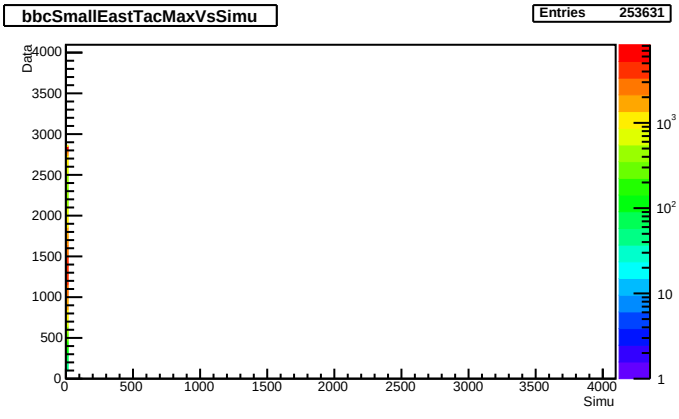

EQ3 QTC
Entries 3.31295e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.31295e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 345099


bbcSmallEastAdcSumVsSimu
Entries 253631
Data
Simu


bbcSmallEastTacMax
Entries 345099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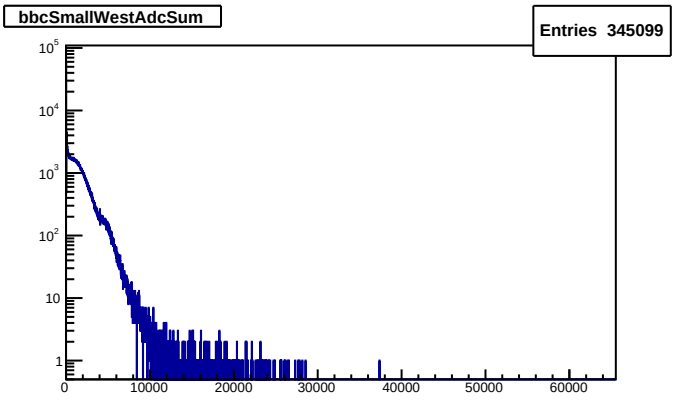
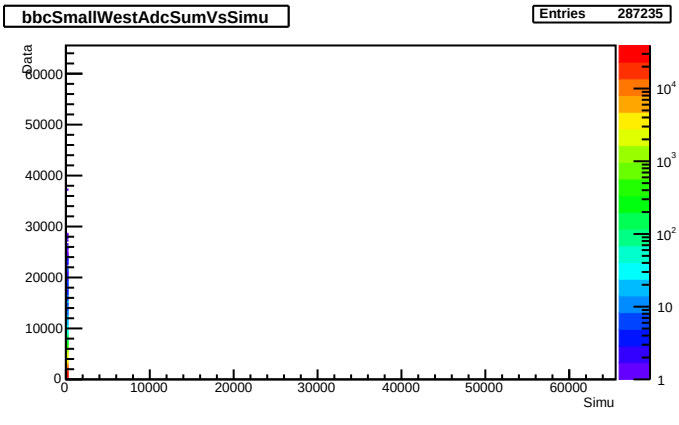
Entries 253631
Data
Simu


bbcSmallWestAdcSum
Entries 345099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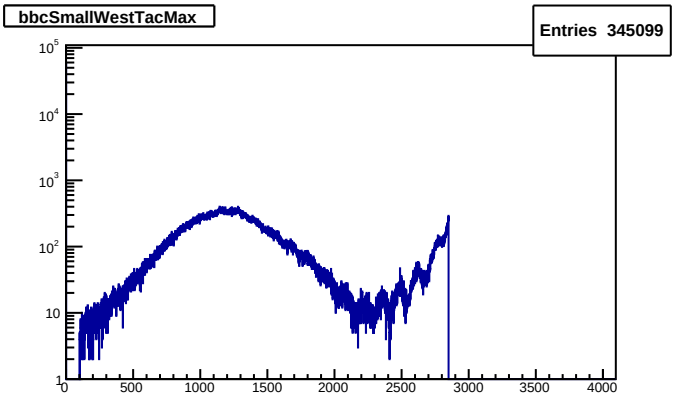
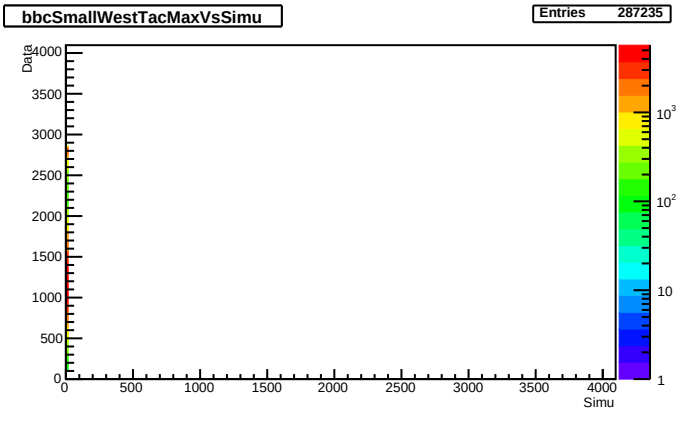
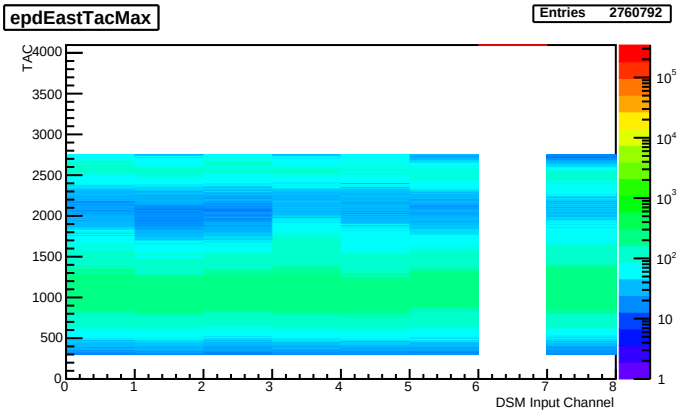
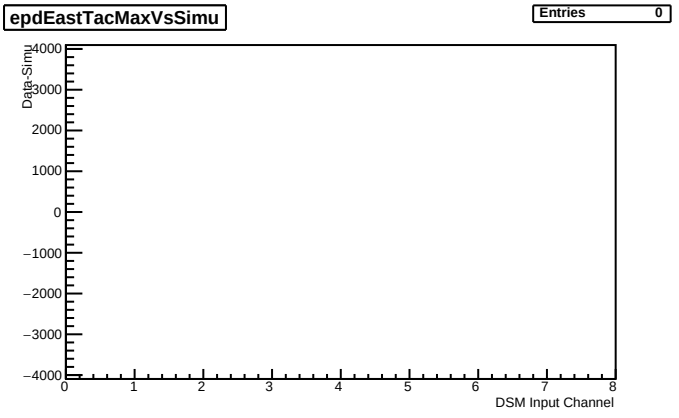
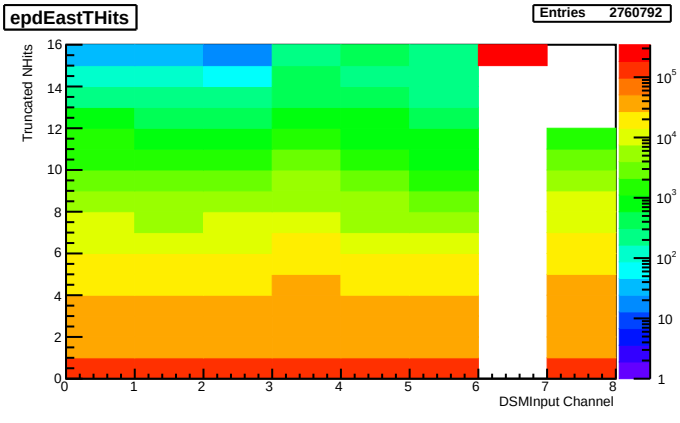
Entries 287235
Data
Simu

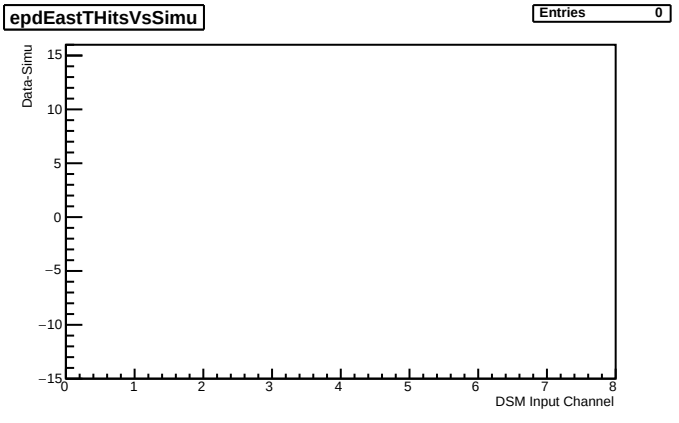

bbcSmallWestTacMax
Entries 345099


bbcSmallWestTacMaxVsSimu
Entries 287235
Data
Simu


epdEastTacMax
Entries 2760792
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2760792
Truncated NHits
DSMInput Channel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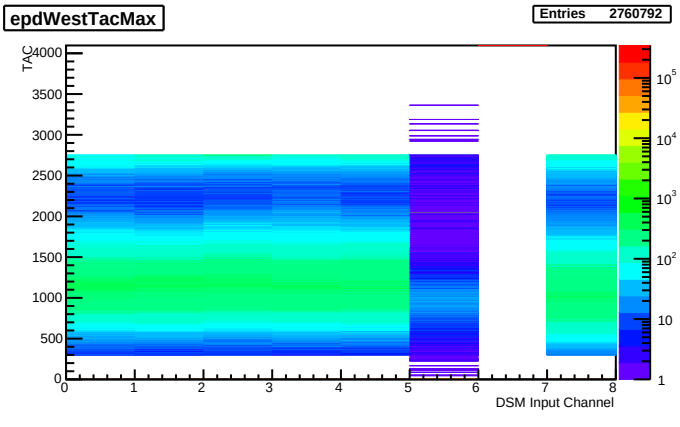
Data-Simu
DSM Input Channel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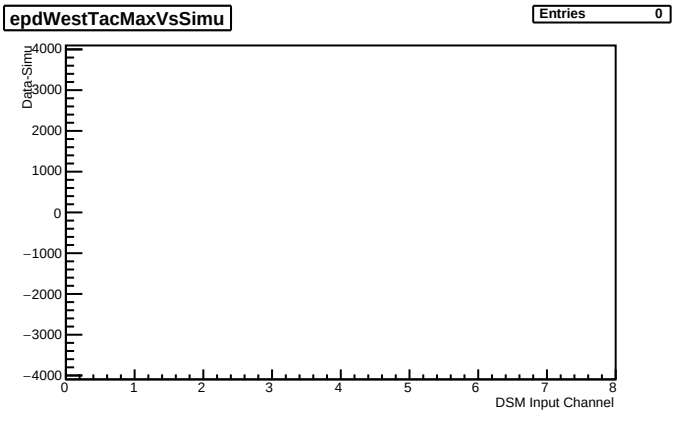
TAC
DSM Input Channel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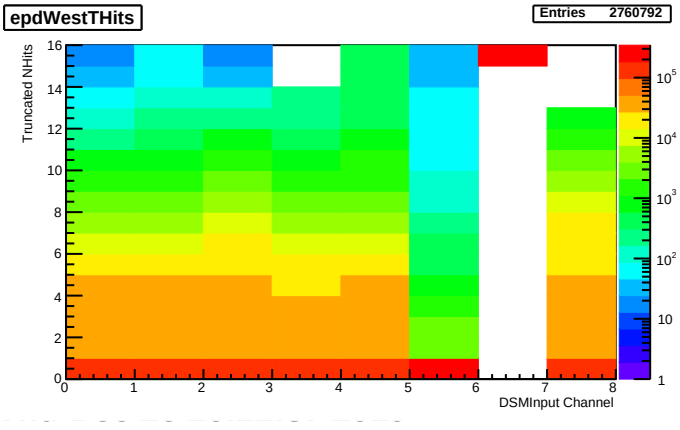
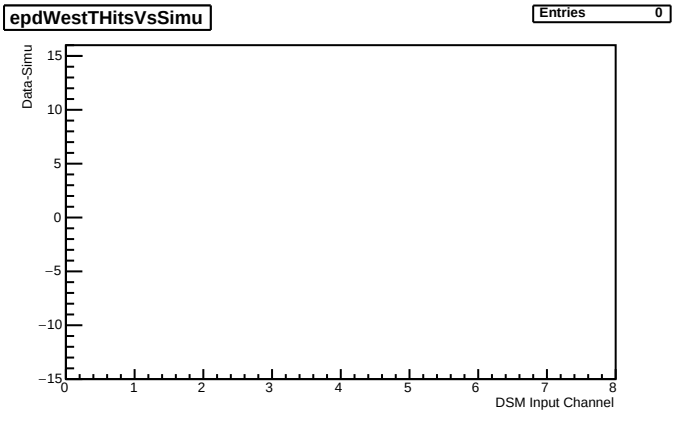
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2760792
Truncated NHits
DSMInput Channel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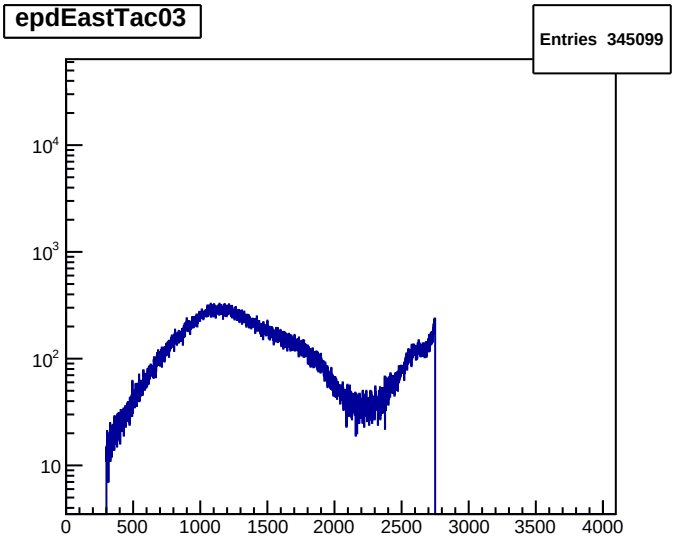
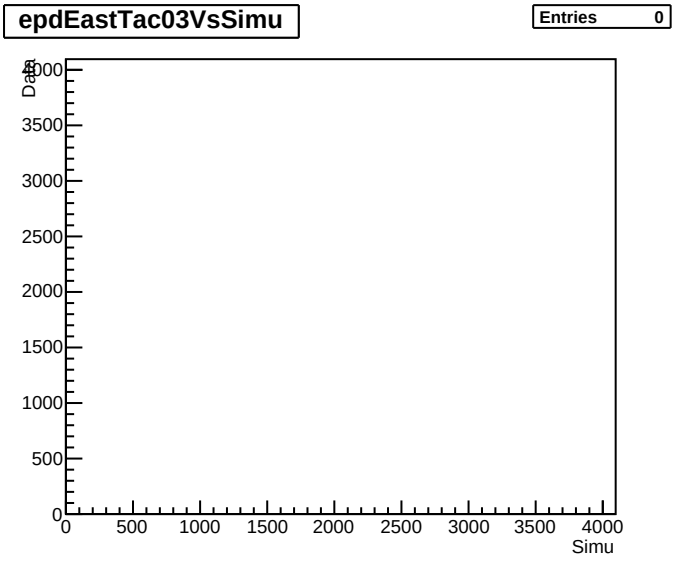
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 345099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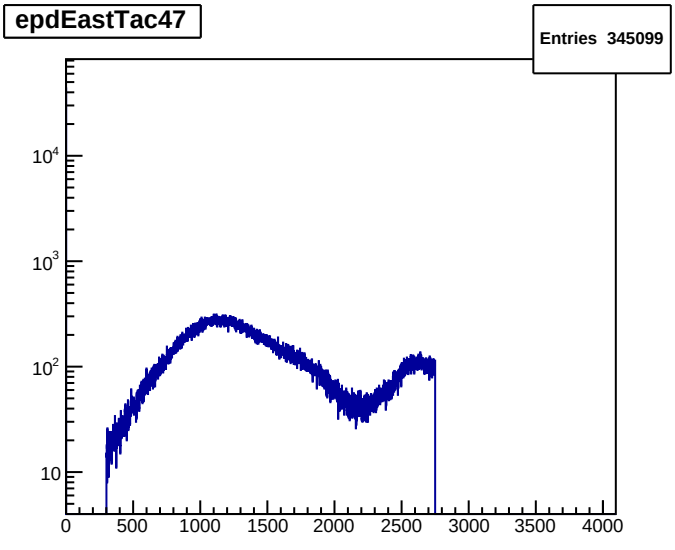
Entries 0
Data
Simu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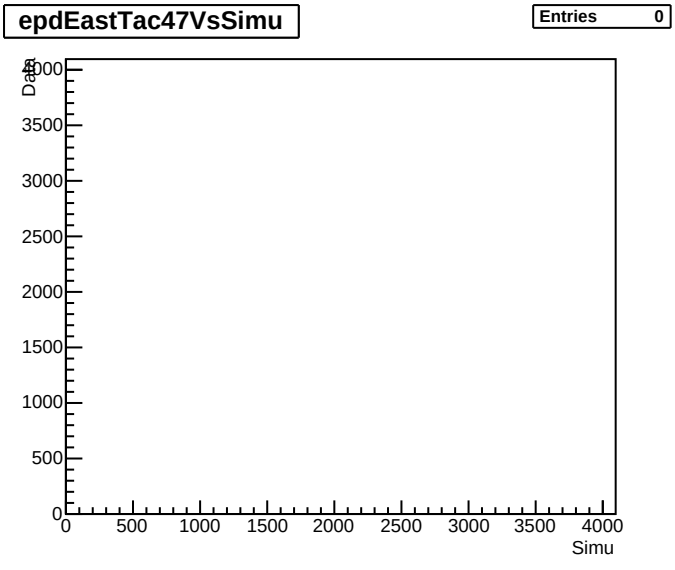
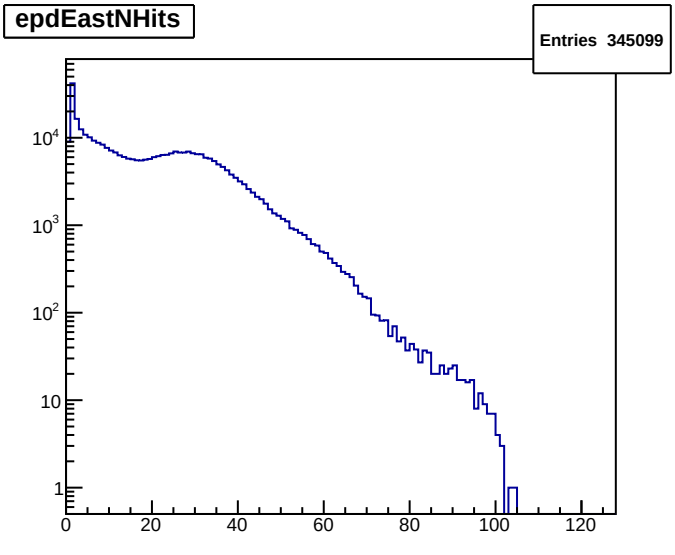
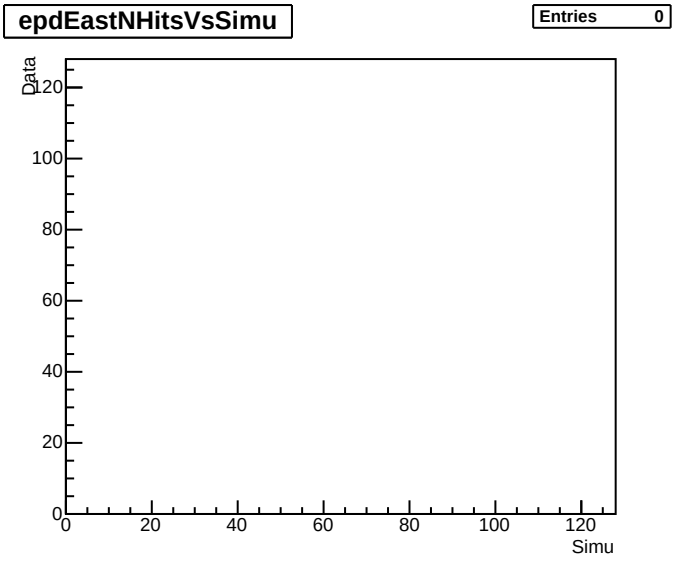
Entries 345099


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 345099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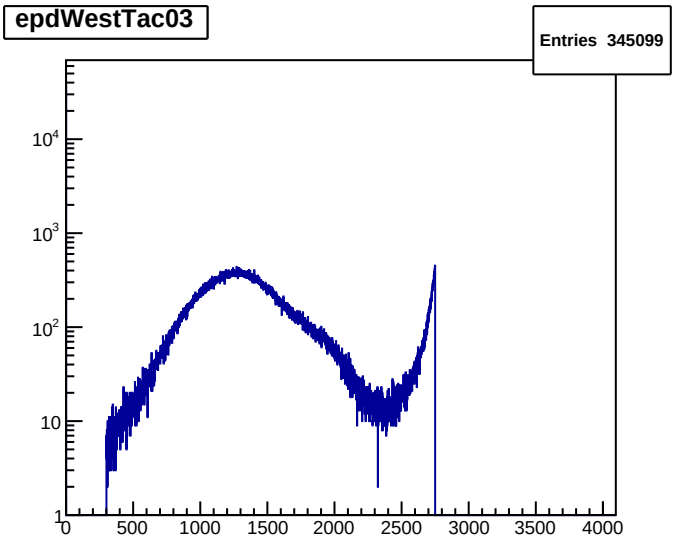
Entries 0
Data
Simu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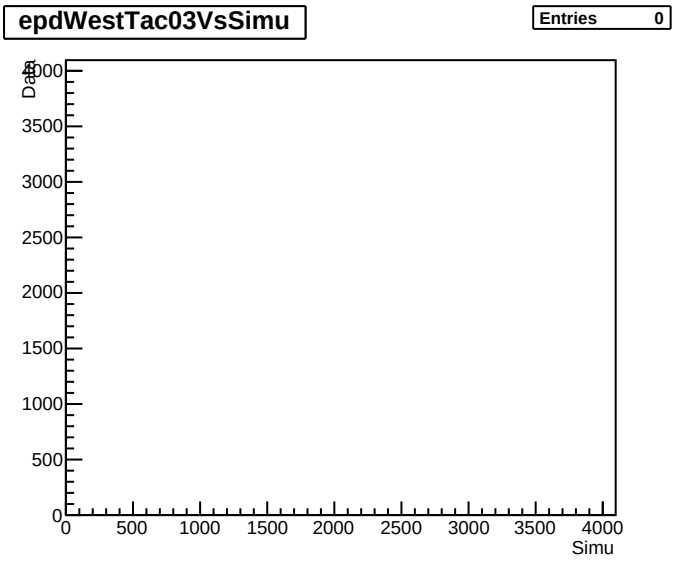
Entries 345099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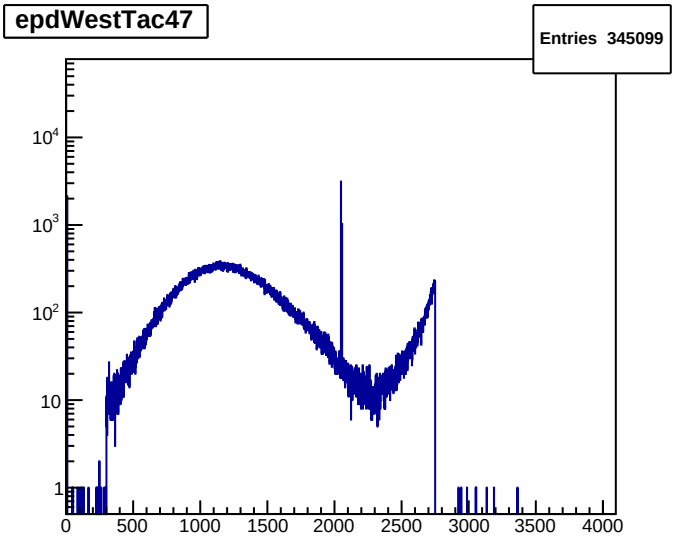
Entries 0
Data
Simu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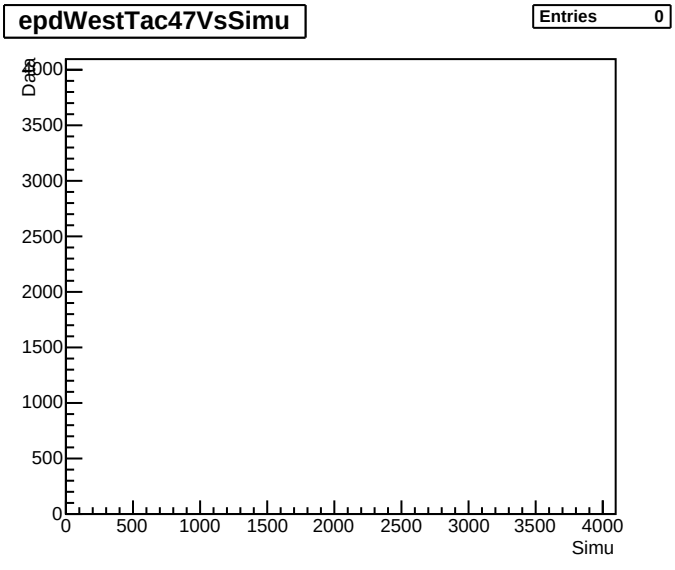
Entries 345099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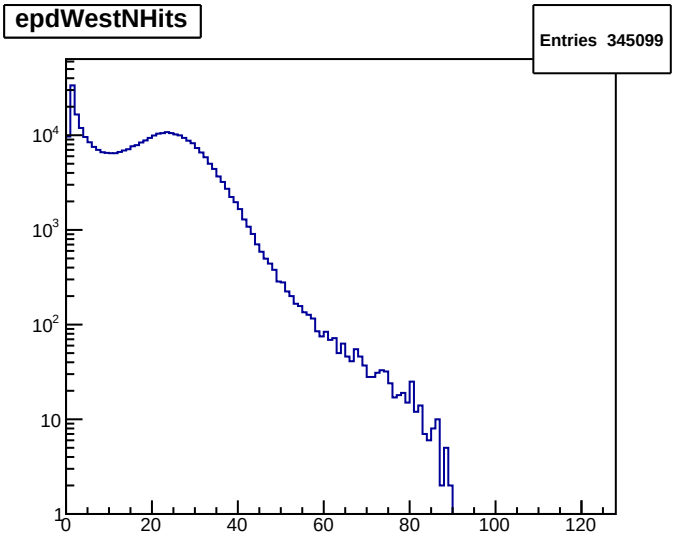
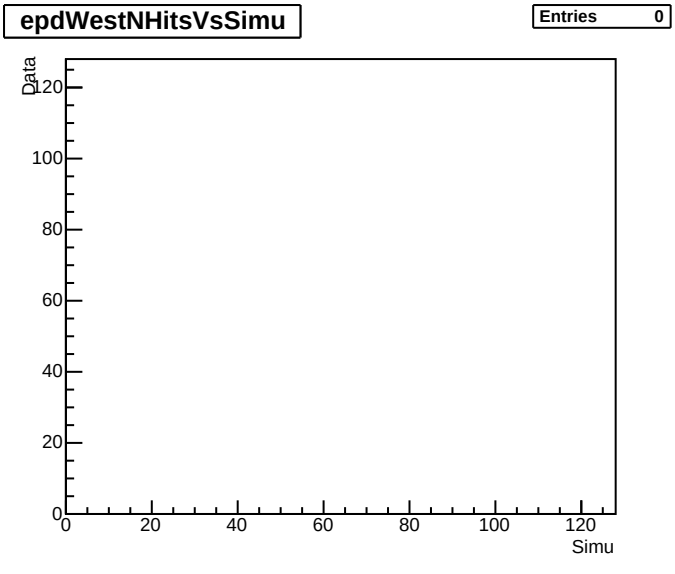
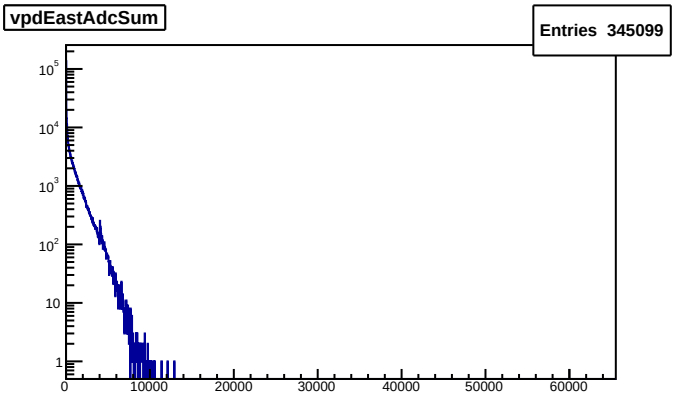
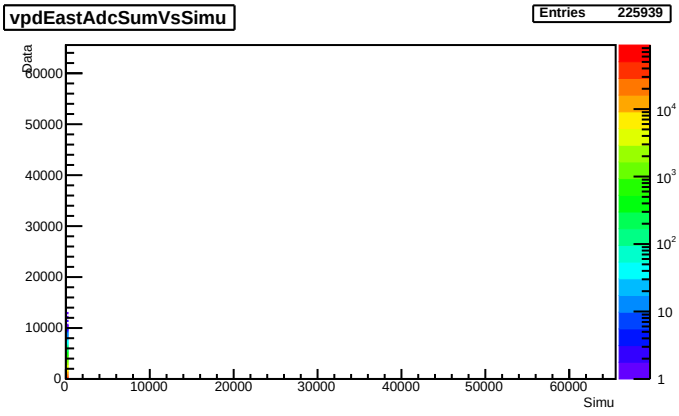
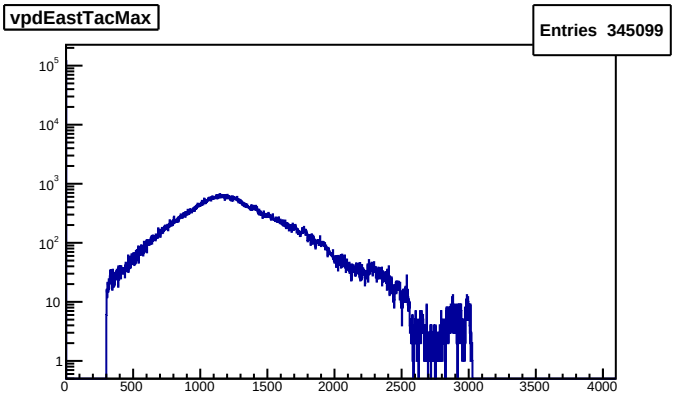
Entries 0
Data
Simu

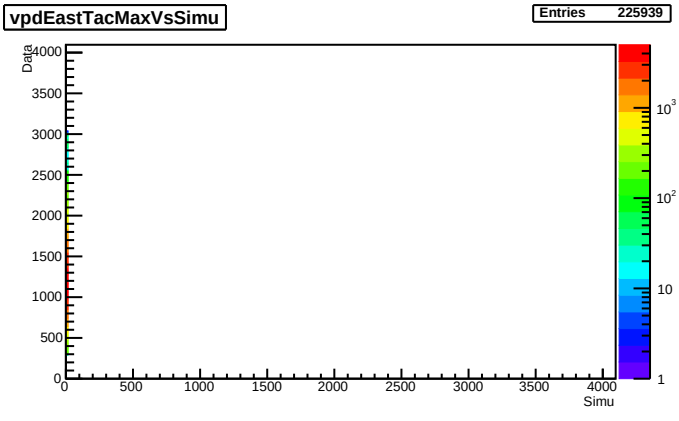

epdWestNHits
Entries 345099

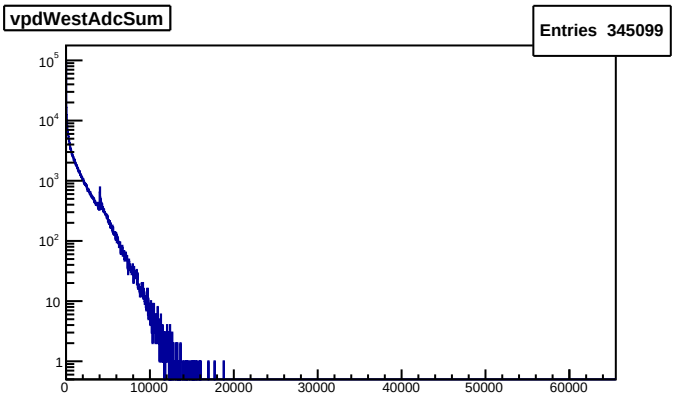

epdWestNHitsVsSimu
Entries 0
Data
Simu

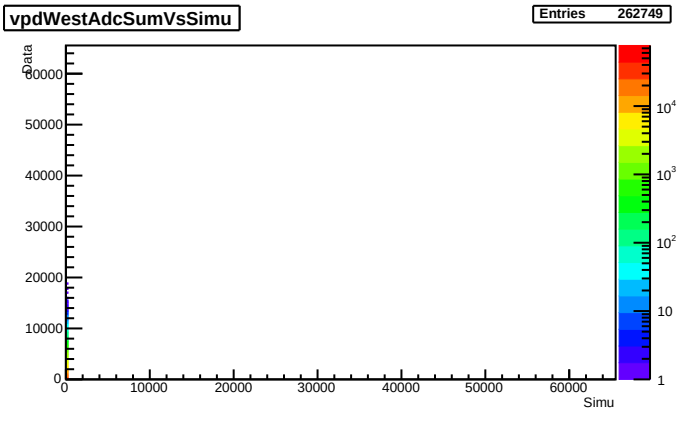

vpdEastAdcSum
Entries 345099

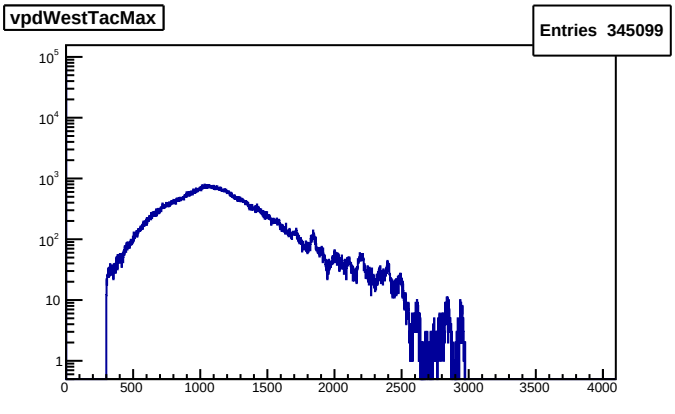

vpdEastAdcSumVsSimu
Entries 225939
Data
Simu

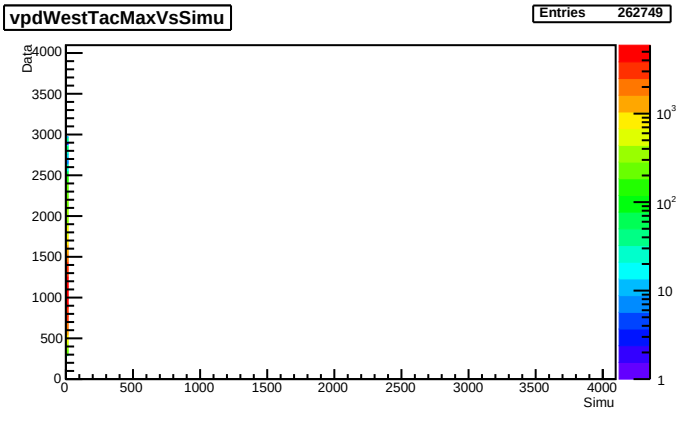

vpdEastTacMax
Entries 345099

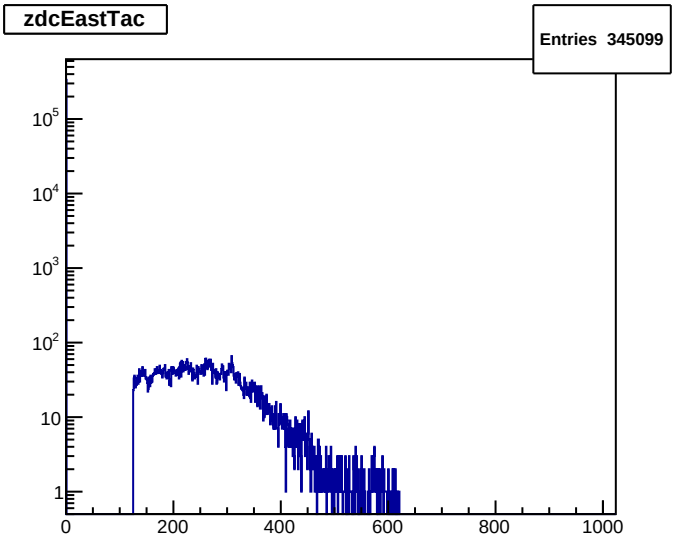

vpdEastTacMaxVsSimu
Entries 225939
Data
Simu

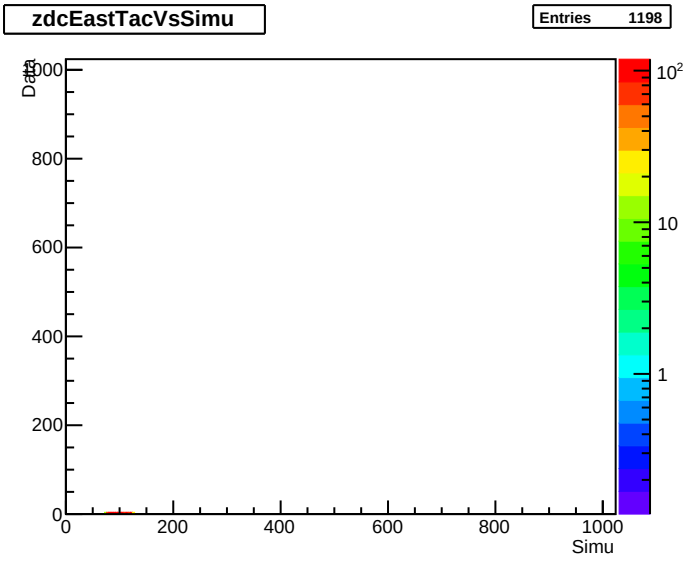

vpdWestAdcSum
Entries 345099

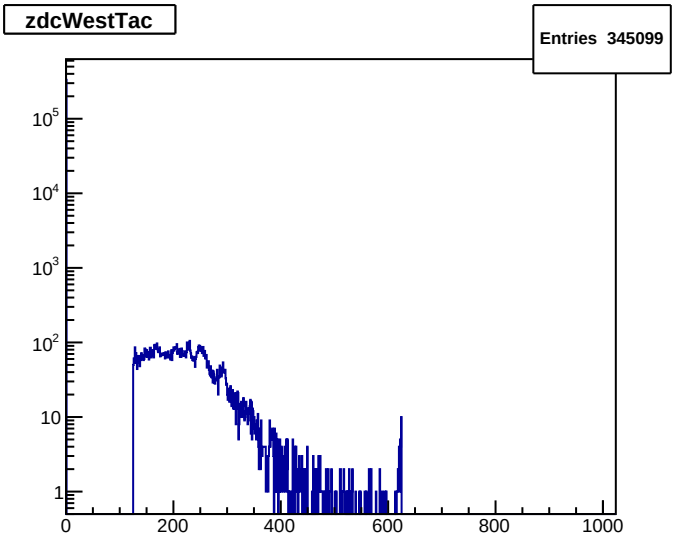

vpdWestAdcSumVsSimu
Entries 262749
Data
Simu

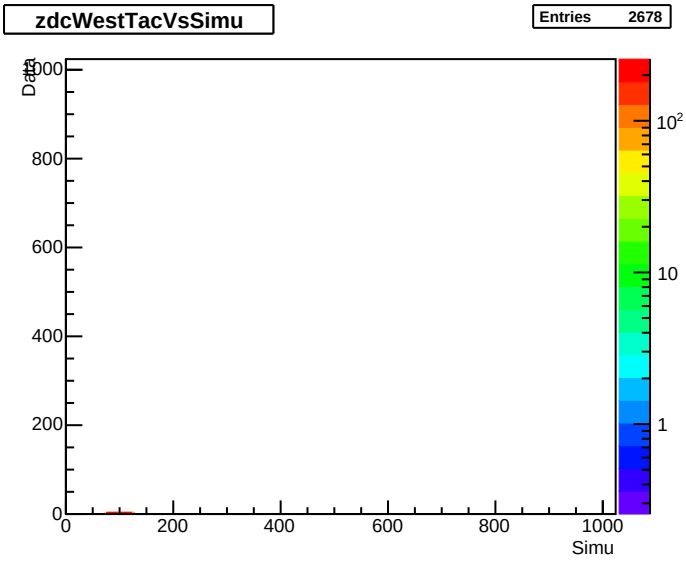

vpdWestTacMax
Entries 345099

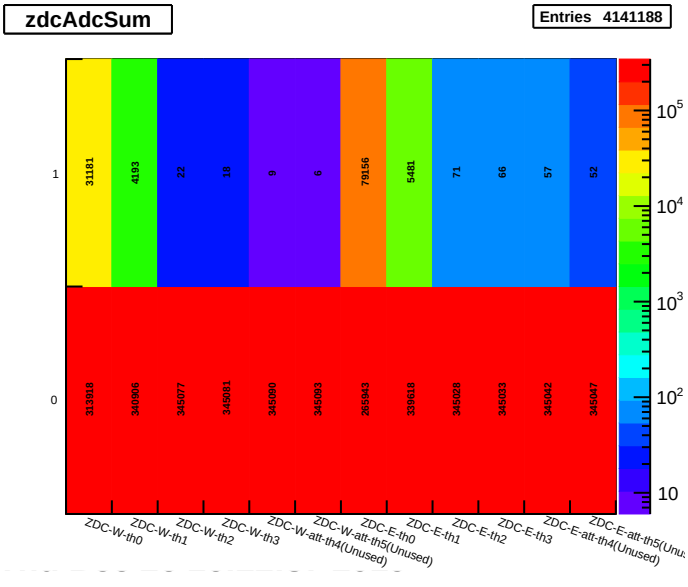

vpdWestTacMaxVsSimu
Entries 262749
Data
Simu

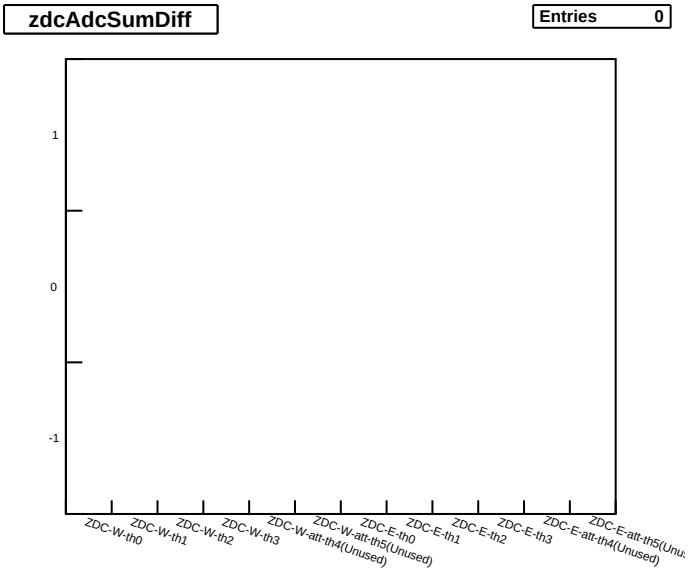

zdcEastTac
Entries 345099

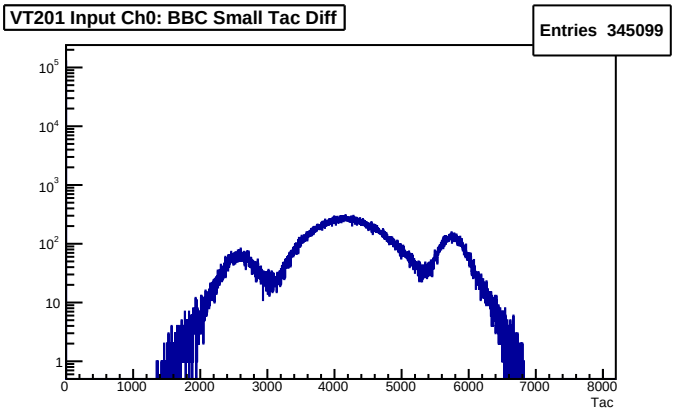

zdcEastTacVsSimu
Entries 1198
Data
Simu

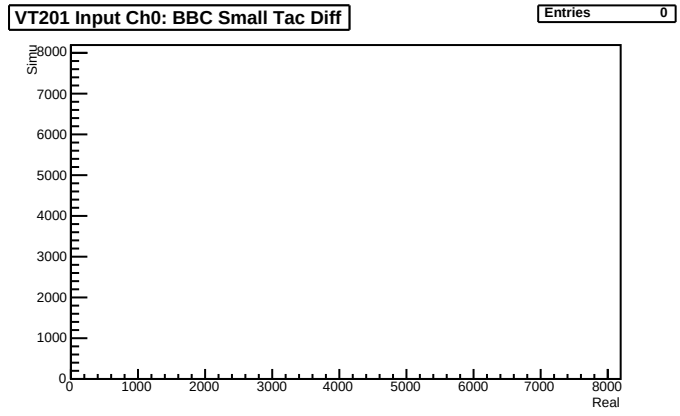

zdcWestTac
Entries 345099

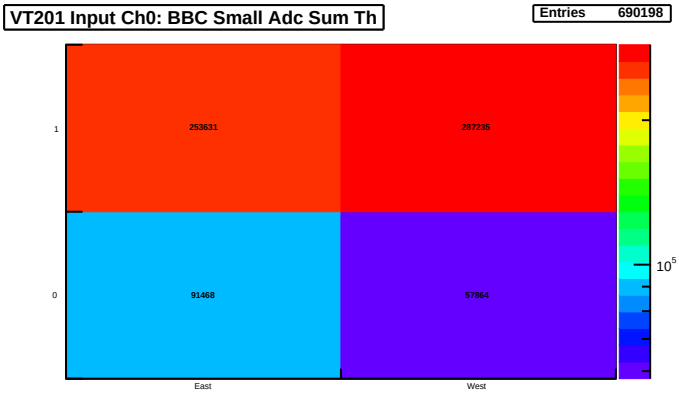

zdcWestTacVsSimu
Entries 2678
Data
Simu

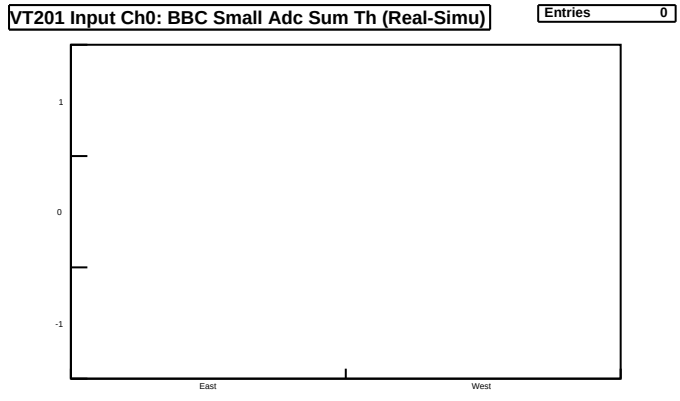

zdcAdcSum
Entries 4141188
31181
4193
22
18
9
6
79156
5481
71
66
57
52
313918
340906
345077
345081
345090
345083
265943
339618
345028
345033
345042
345047
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

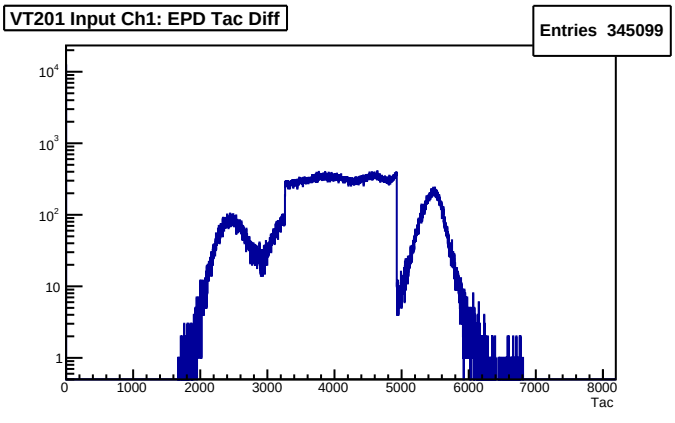

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

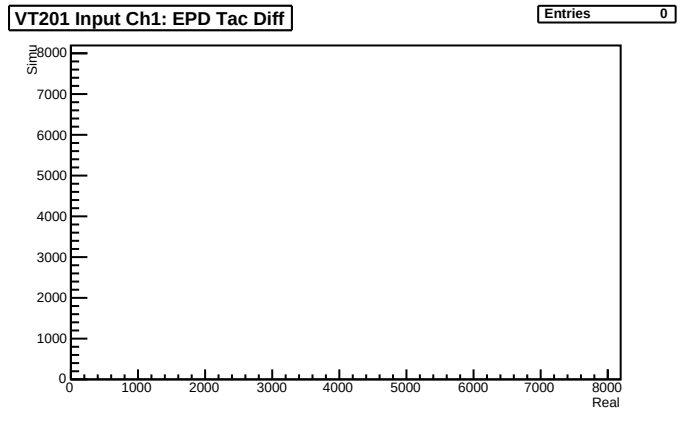

VT201 Input Ch0: BBC Small Tac Diff
Entries 345099
Tac

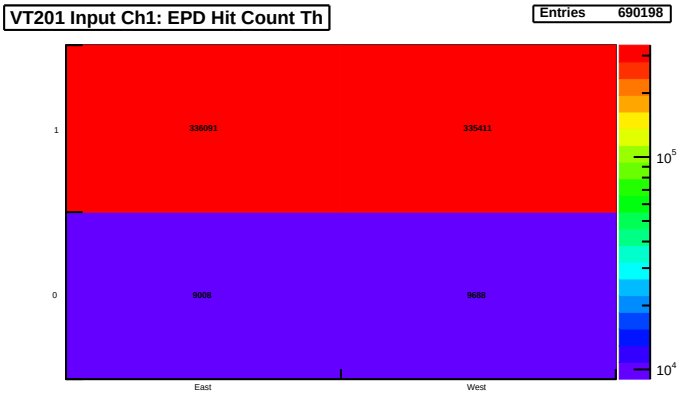

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

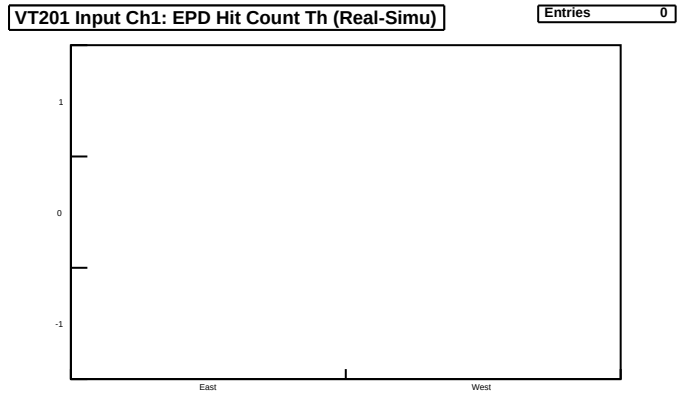

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 690198
253631
287235
91468
57864
East
West

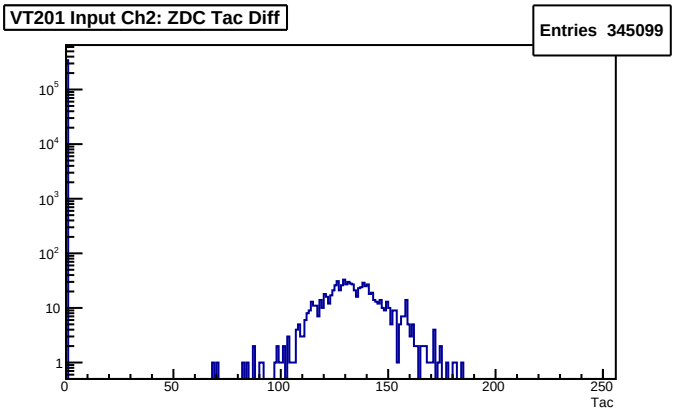

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

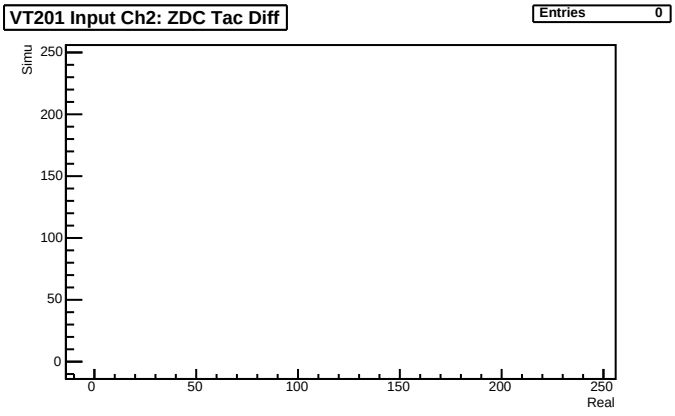

VT201 Input Ch1: EPD Tac Diff
Entries 345099
Tac

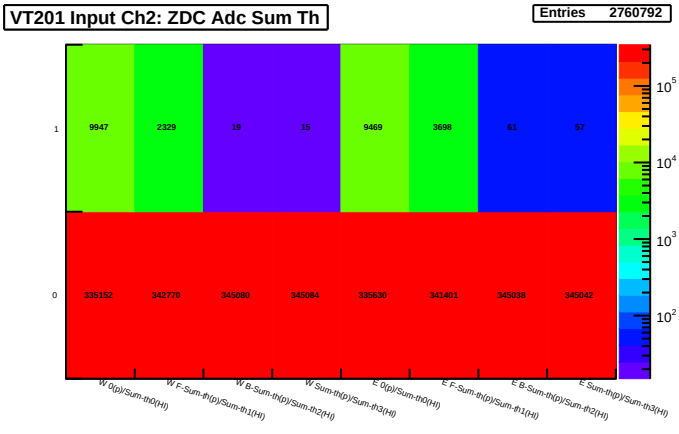

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

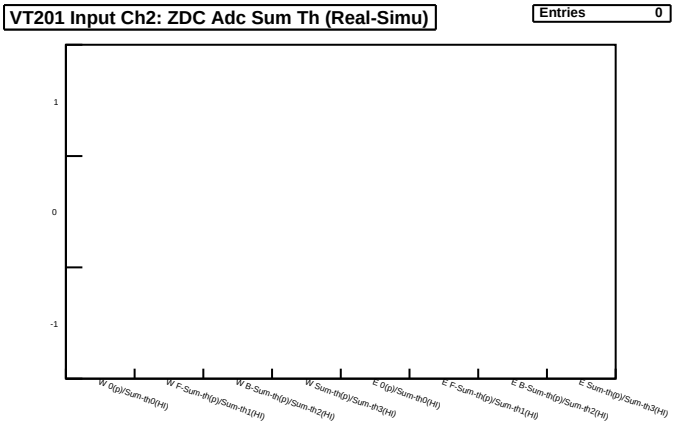

VT201 Input Ch1: EPD Hit Count Th
Entries 690198
336091
335411
9008
9688
East
West

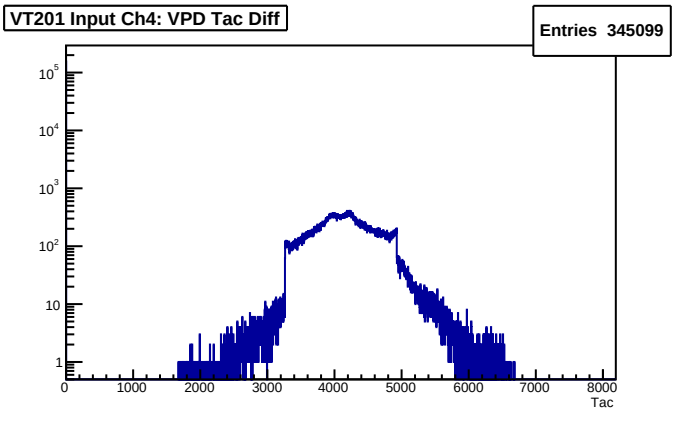

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

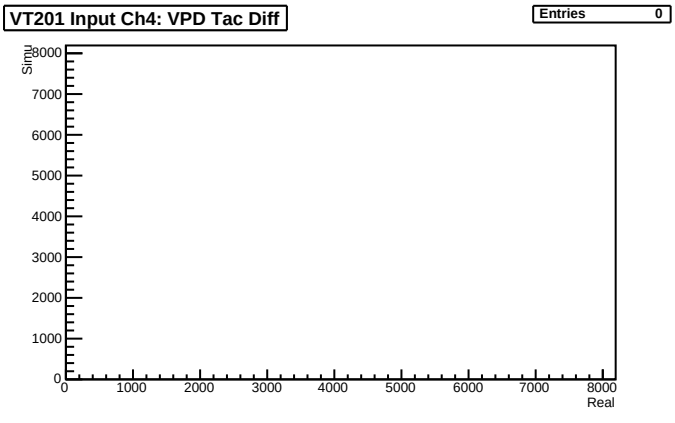

VT201 Input Ch2: ZDC Tac Diff
Entries 345099
Tac

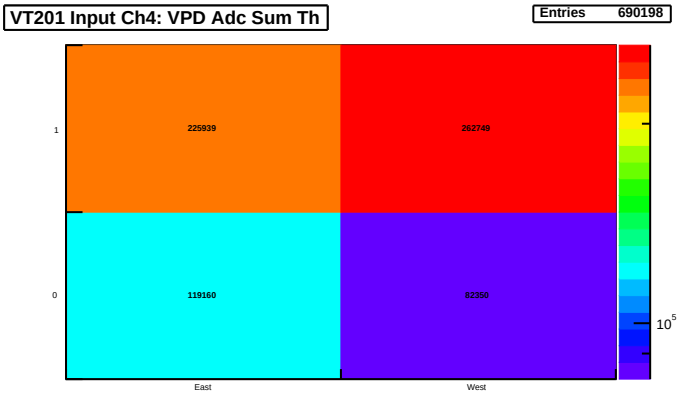

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

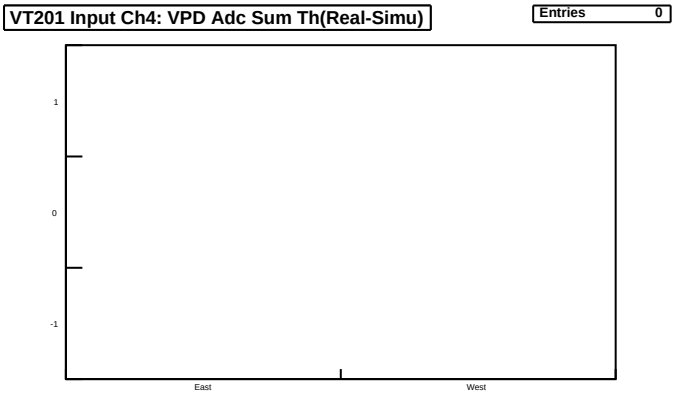

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2760792
9947
2329
19
15
9469
3698
61
57
335152
342770
345080
345084
335630
341401
345038
345042
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

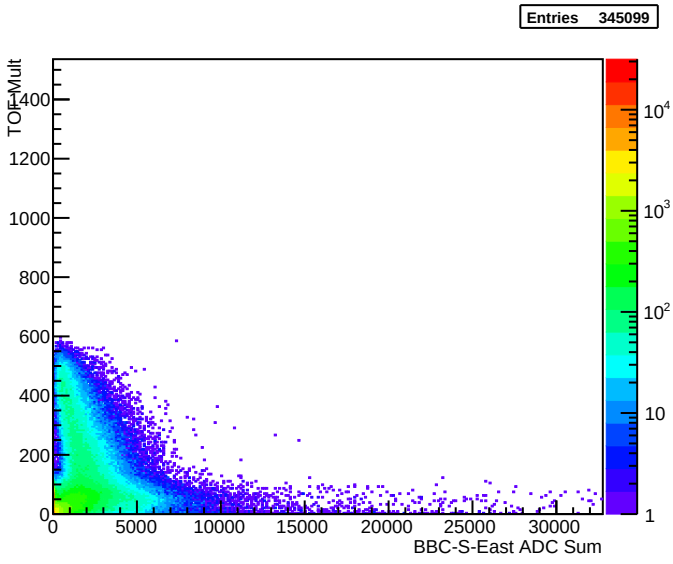

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

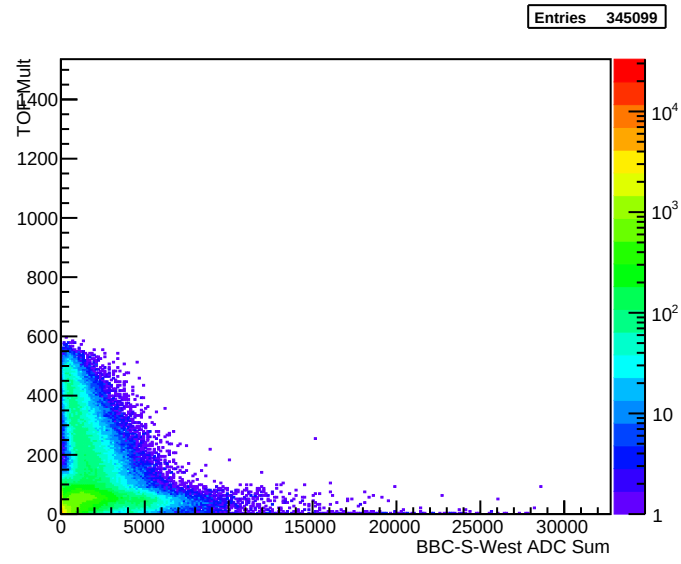

VT201 Input Ch4: VPD Tac Diff
Entries 345099
Tac

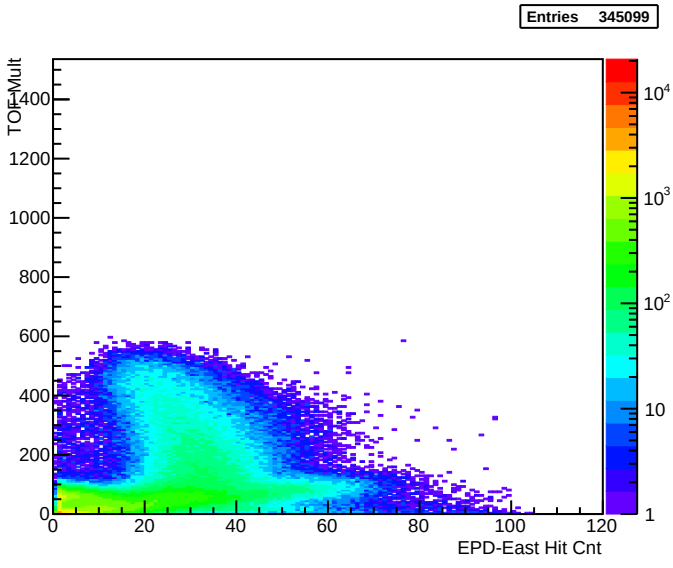

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

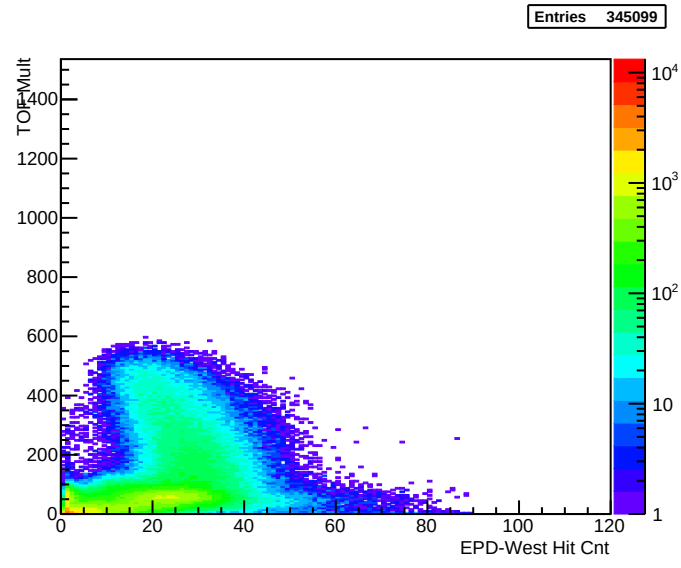

VT201 Input Ch4: VPD Adc Sum Th
Entries 690198
225939
262749
119160
82350
East
West

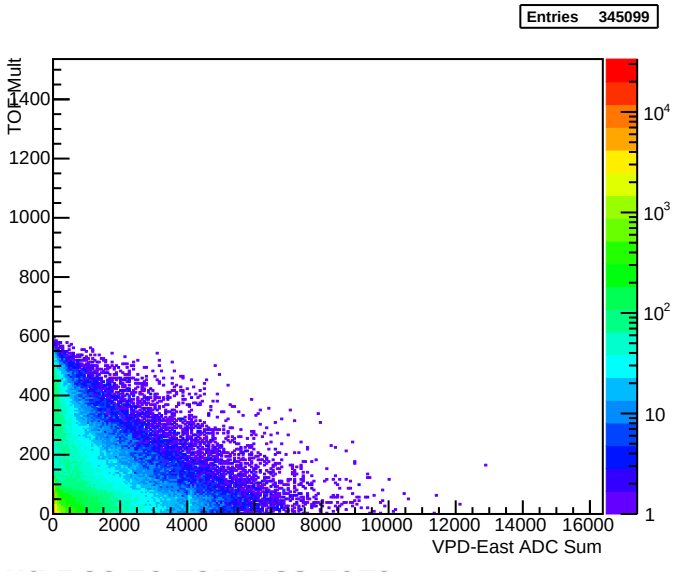

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

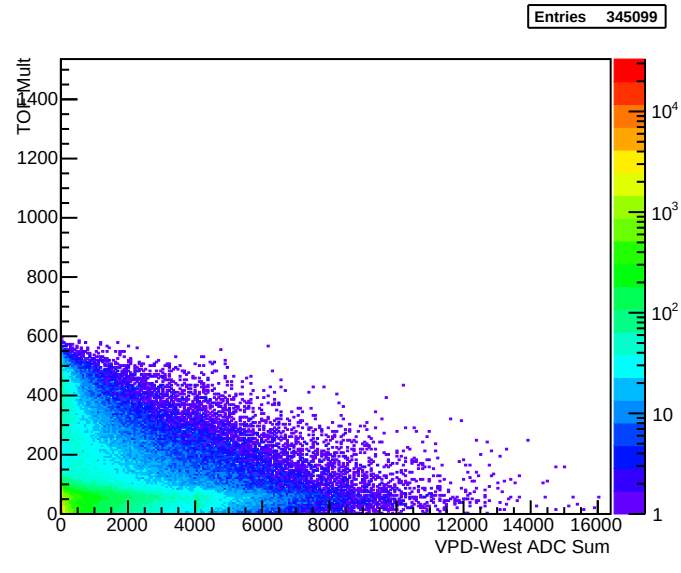

Entries 345099
TOF-Mult
BBC-S-East ADC Sum

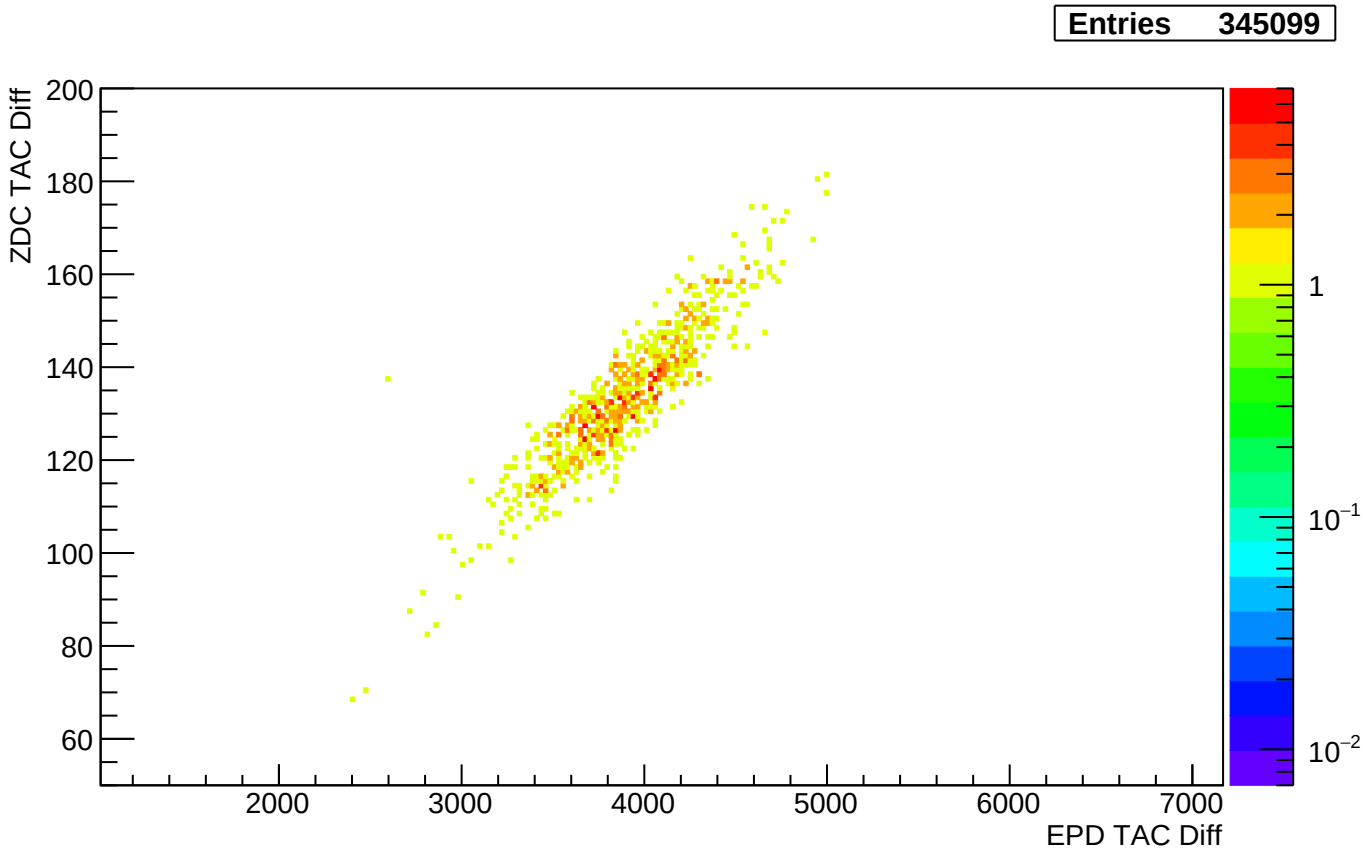

Entries 345099
TOF-Mult
BBC-S-West ADC Sum

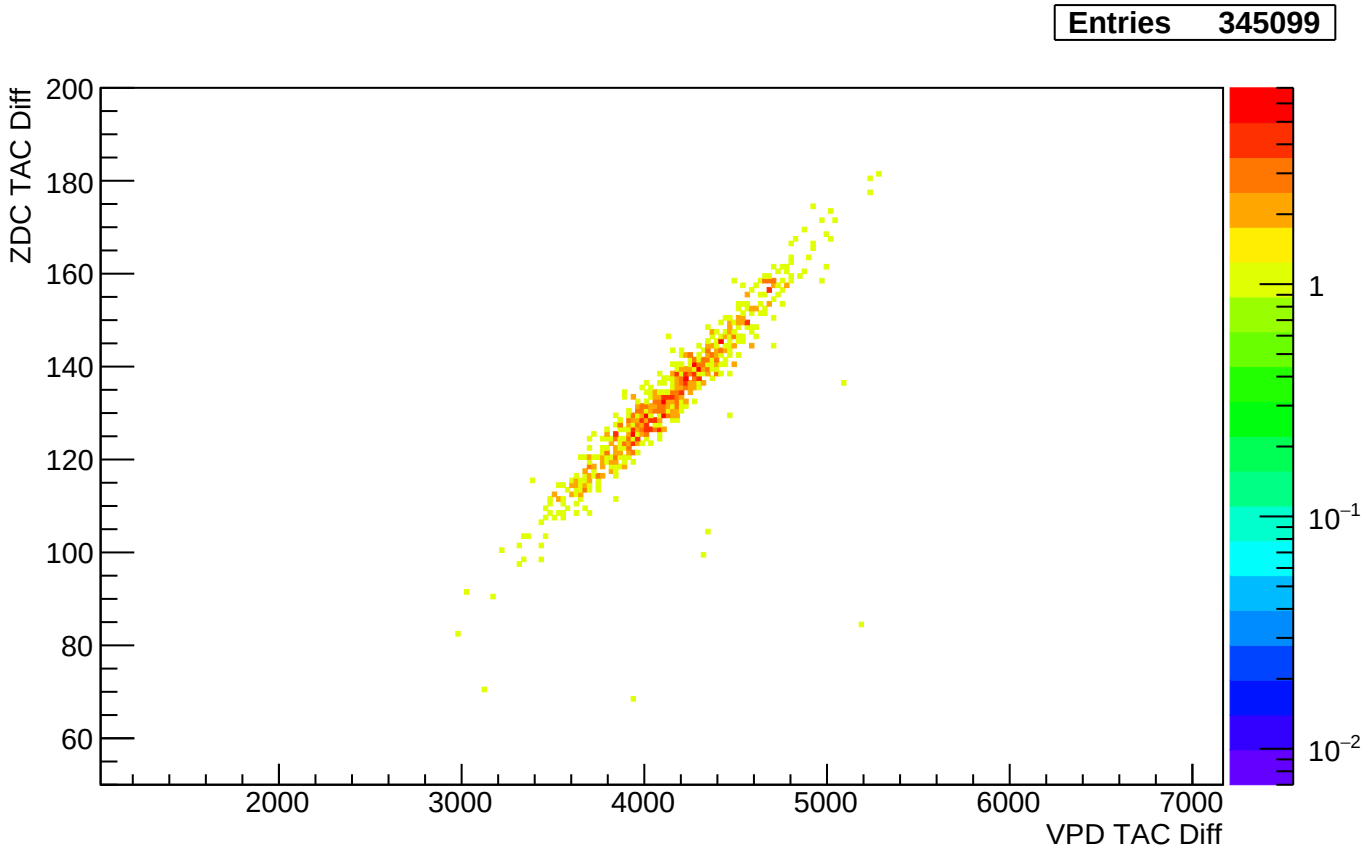

Entries 345099
TOF-Mult
EPD-East Hit Cnt

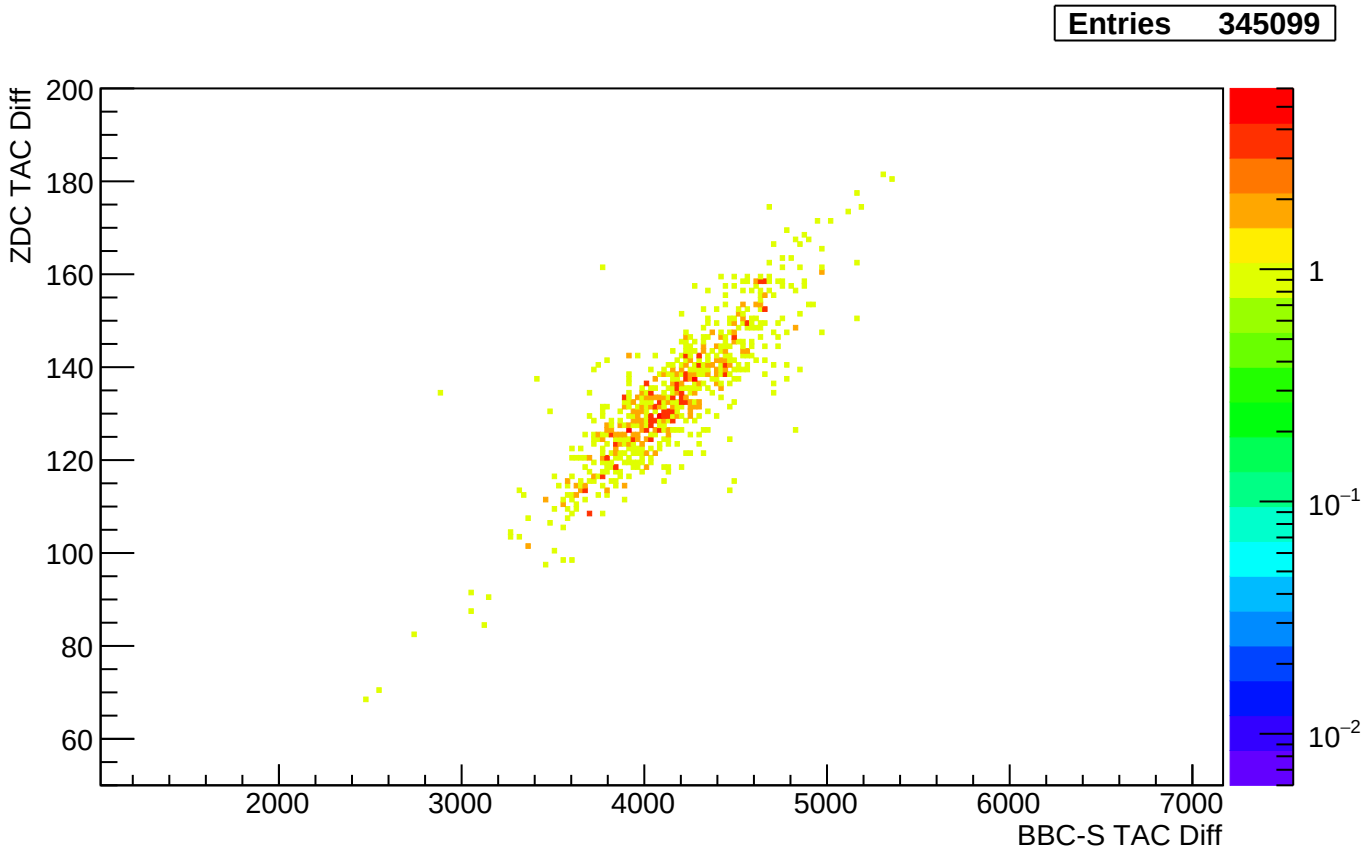

Entries 345099
TOF-Mult
EPD-West Hit Cnt

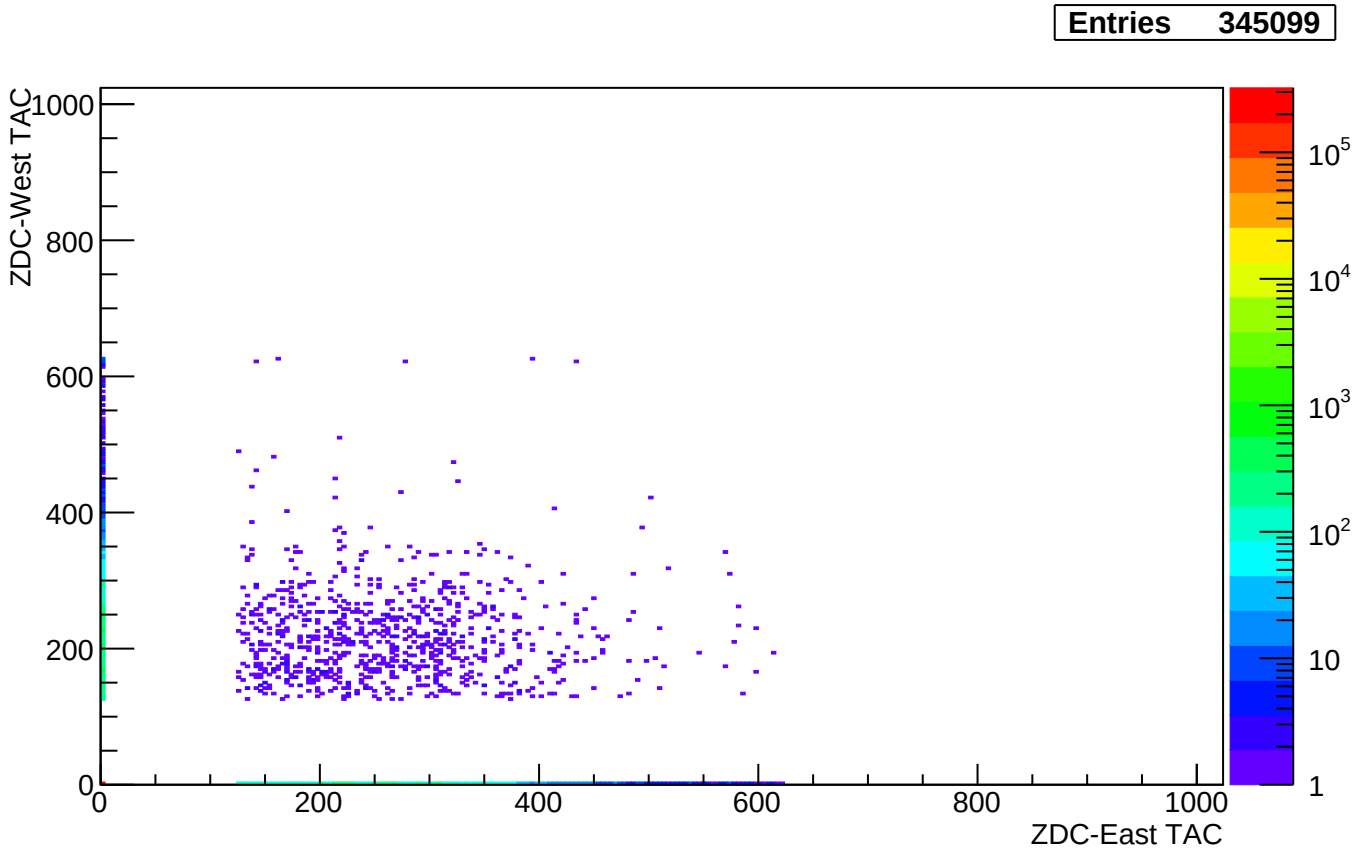

Entries 345099
TOF-Mult
VPD-East ADC Sum

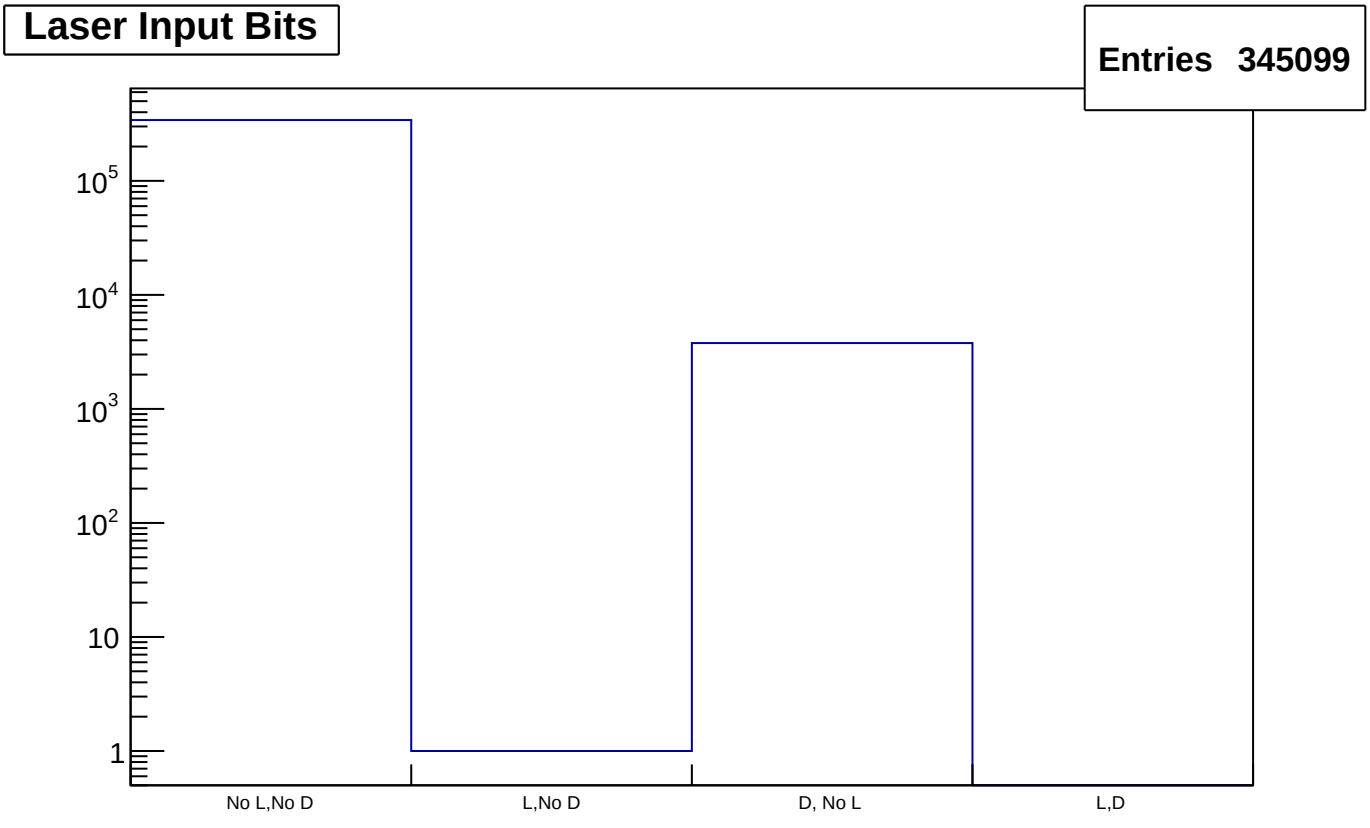

Entries 345099
TOF-Mult
VPD-West ADC Sum

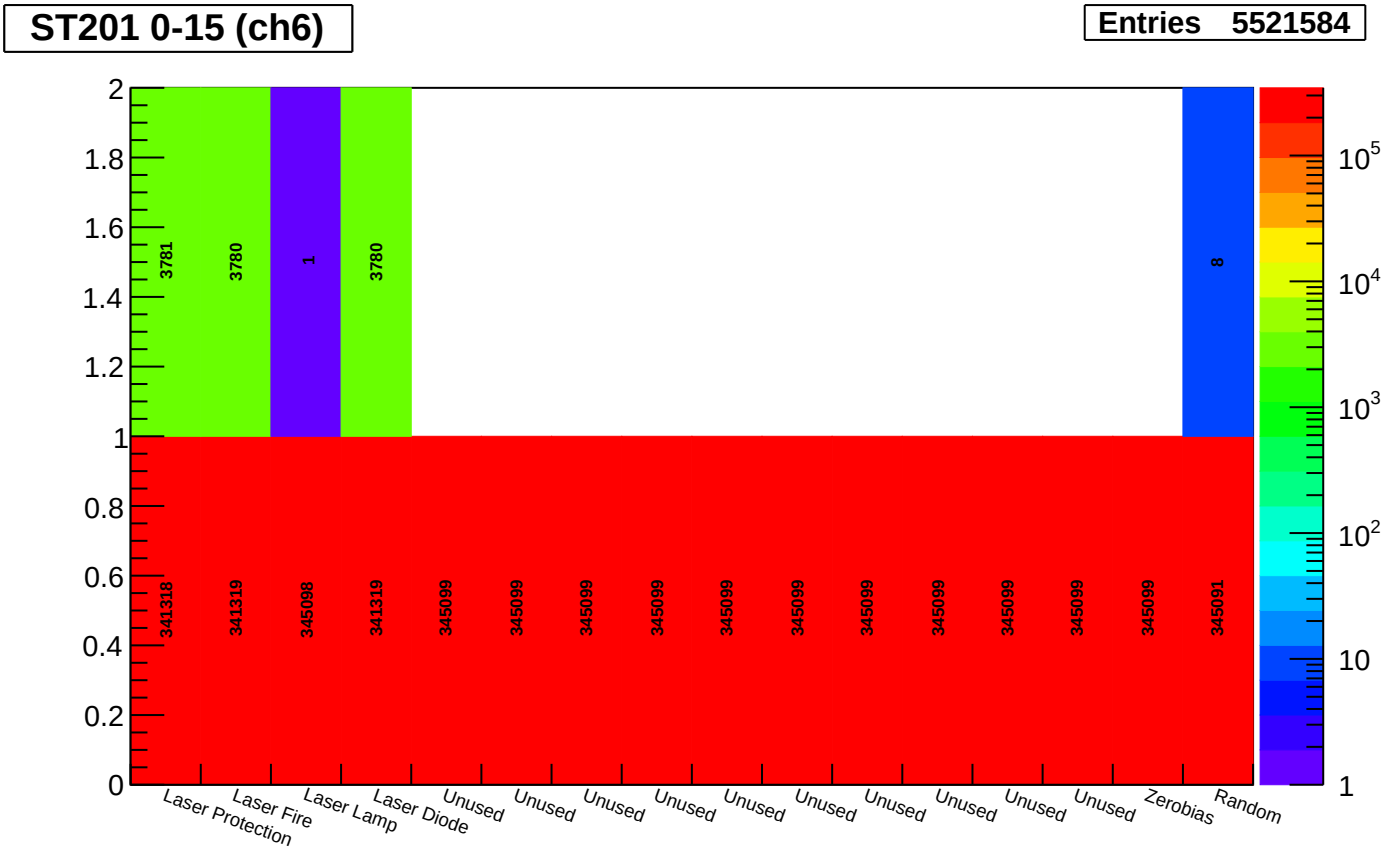

Entries 345099
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

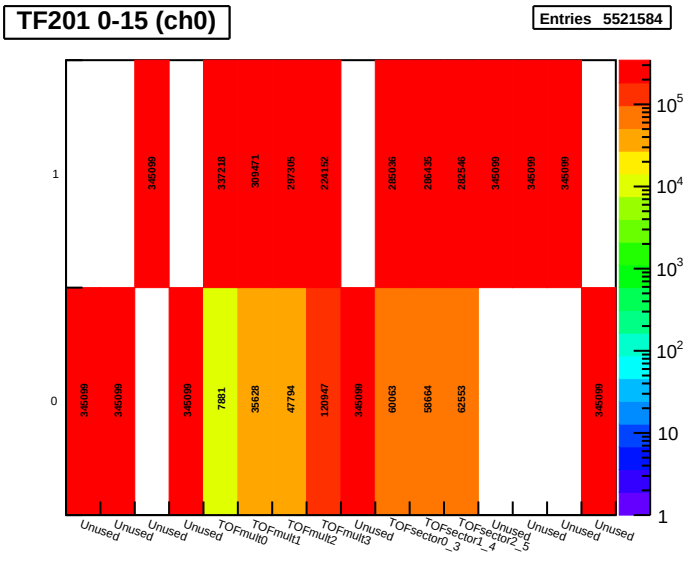

Entries 345099
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

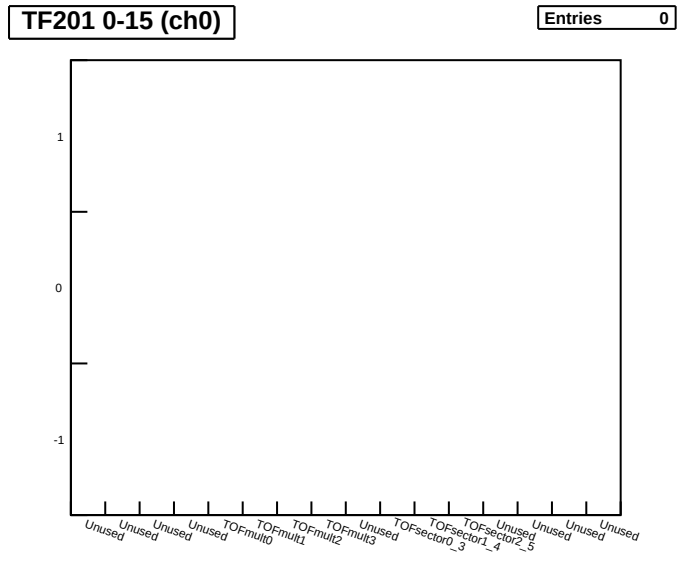

Entries 345099
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

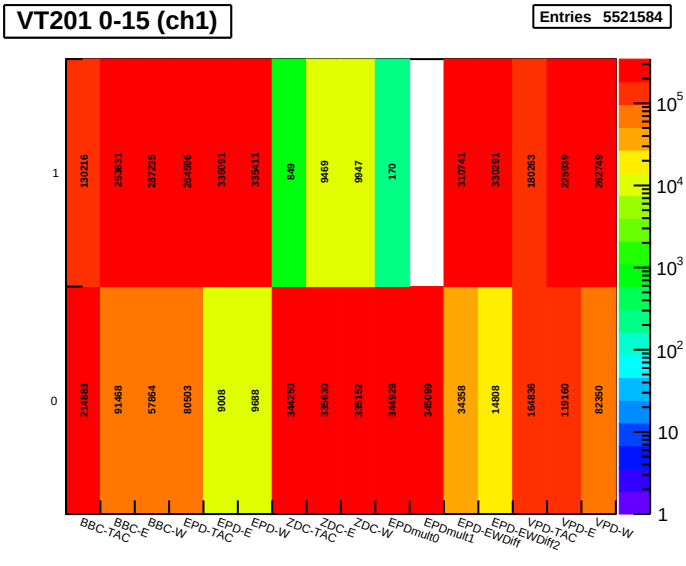

Entries 345099
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

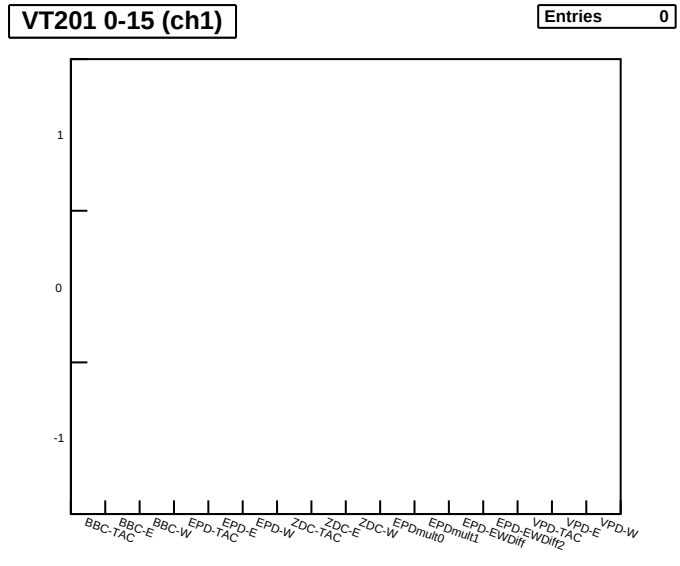

Laser Input Bits
Entries 345099
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

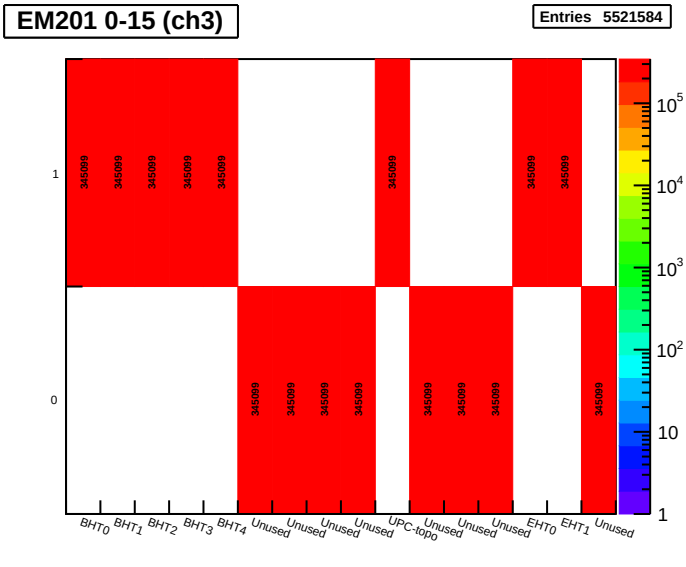

ST201 0-15 (ch6)
Entries 5521584
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3781
3780
1
3780
8
341318
341319
345098
341319
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345091
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

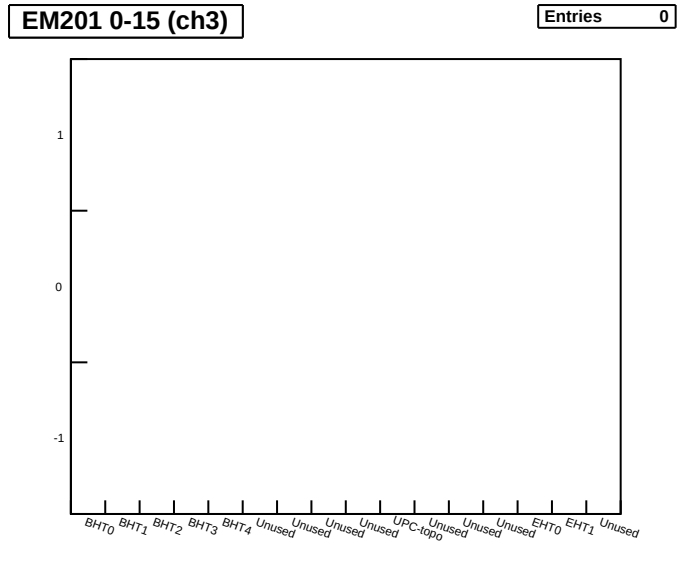

TF201 0-15 (ch0)
Entries 5521584
1
0
345099
337218
309471
297305
224152
255036
236435
202546
345099
345099
345099
345099
345099
7881
35628
47794
120947
345099
60063
58664
62553
345099
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 5521584
1
0
130216
253831
287235
284596
336091
335411
849
9469
9947
170
310741
330291
180253
225939
262749
214883
91468
57864
80503
9008
9688
344250
335630
335152
344929
345099
34358
14808
164836
119160
82350
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 5521584
1
0
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
345099
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