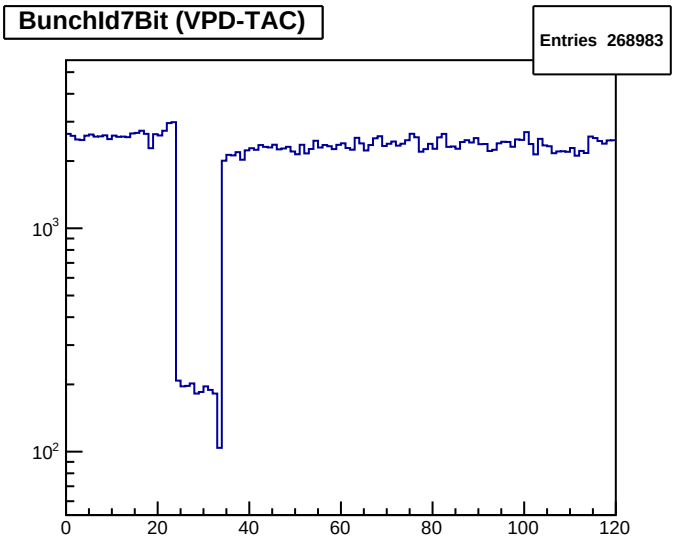
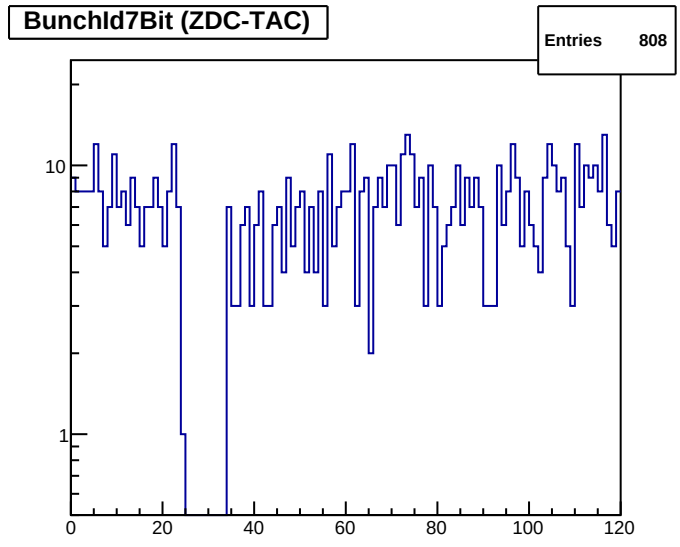
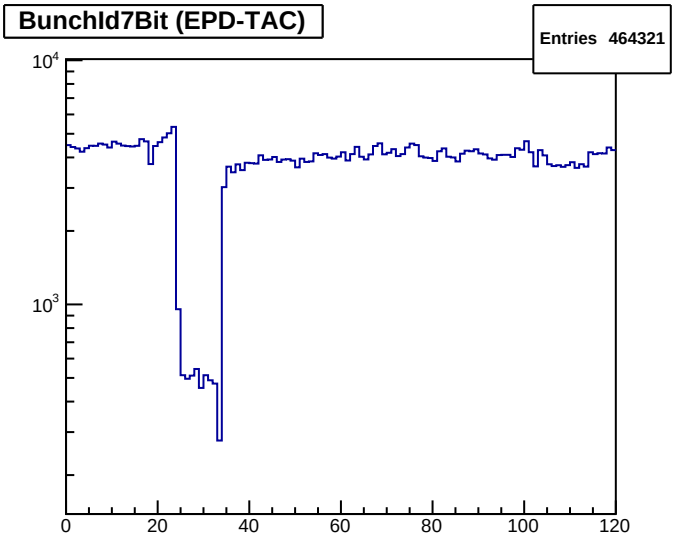
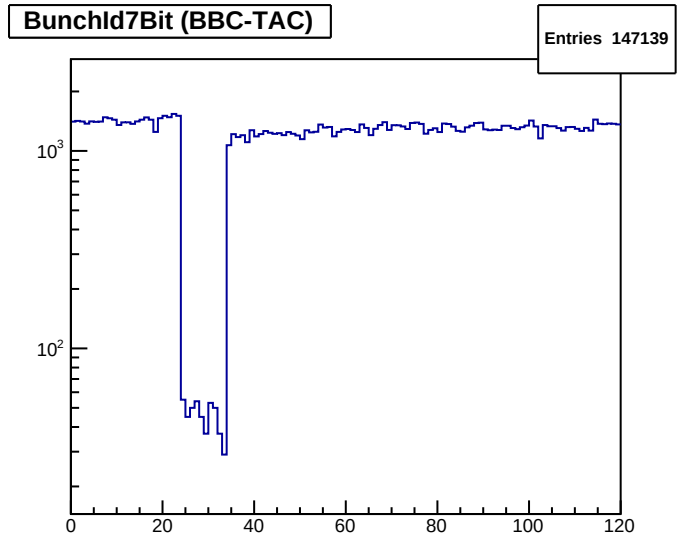
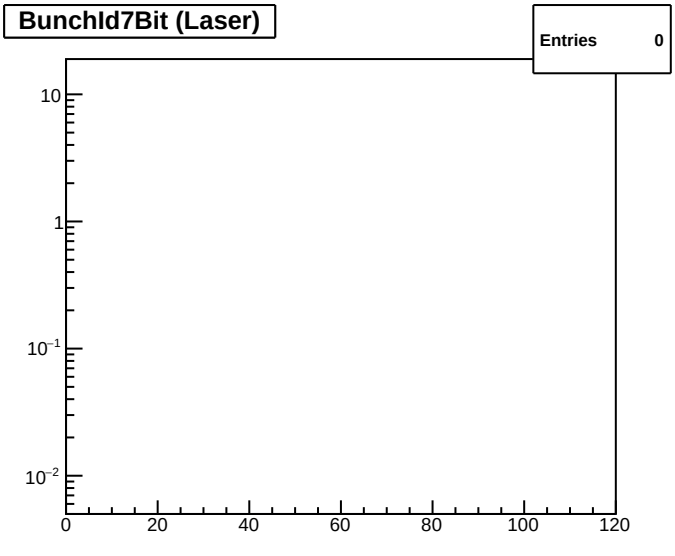
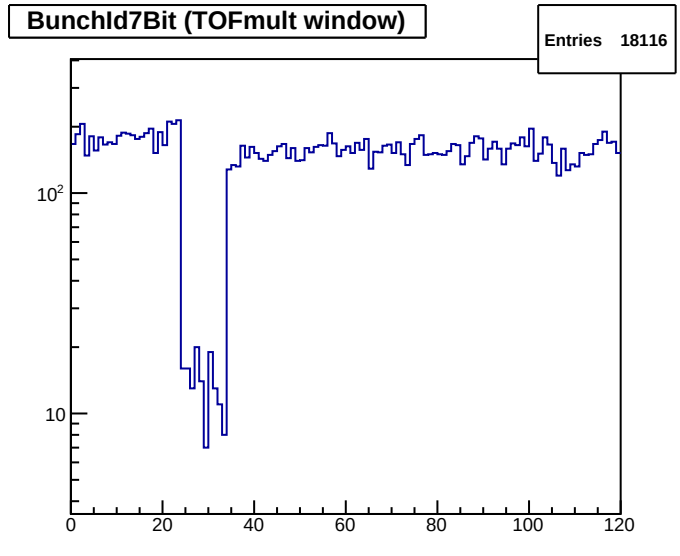

BunchId7Bit (VPD-TAC)
Entries 268983
10^3
10^2
0 20 40 60 80 100 120

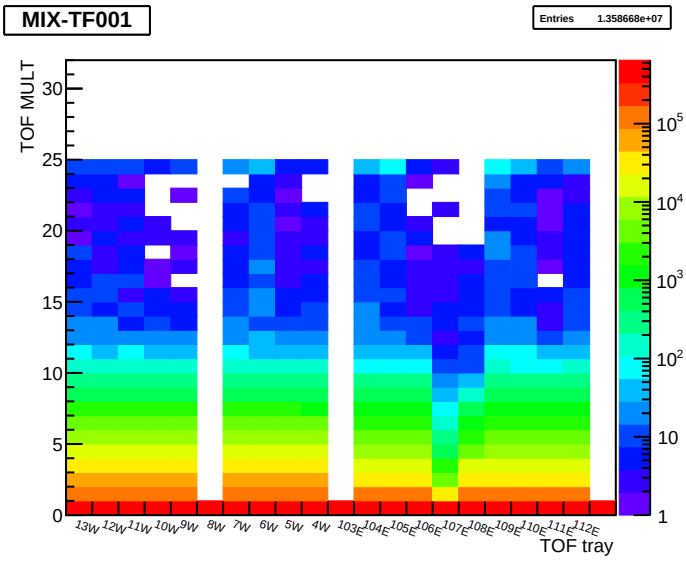

BunchId7Bit (ZDC-TAC)
Entries 808
10
1
0 20 40 60 80 100 120

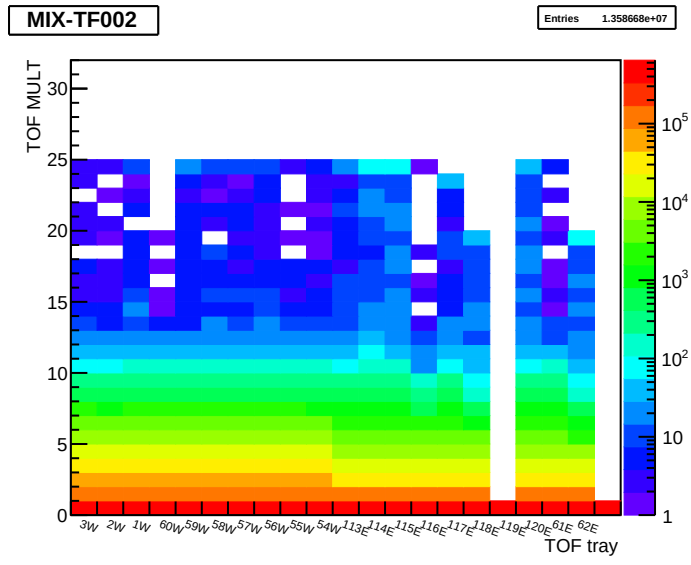

BunchId7Bit (EPD-TAC)
Entries 464321
10^4
10^3
0 20 40 60 80 100 120

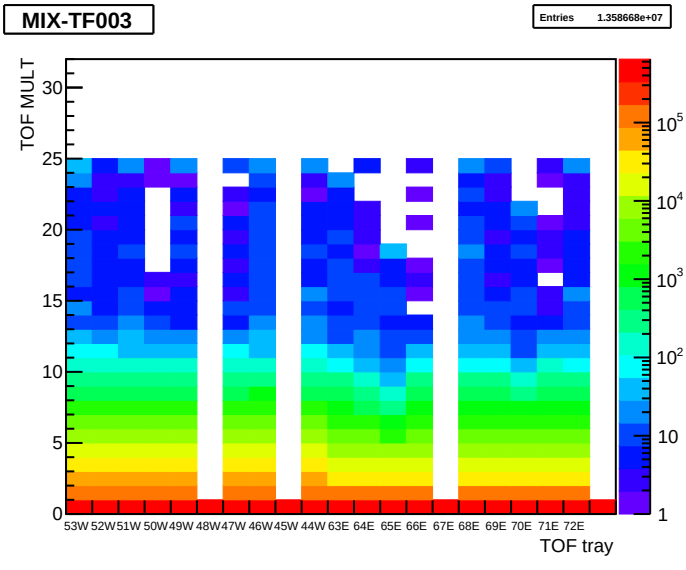

BunchId7Bit (BBC-TAC)
Entries 147139
10^3
10^2
0 20 40 60 80 100 120

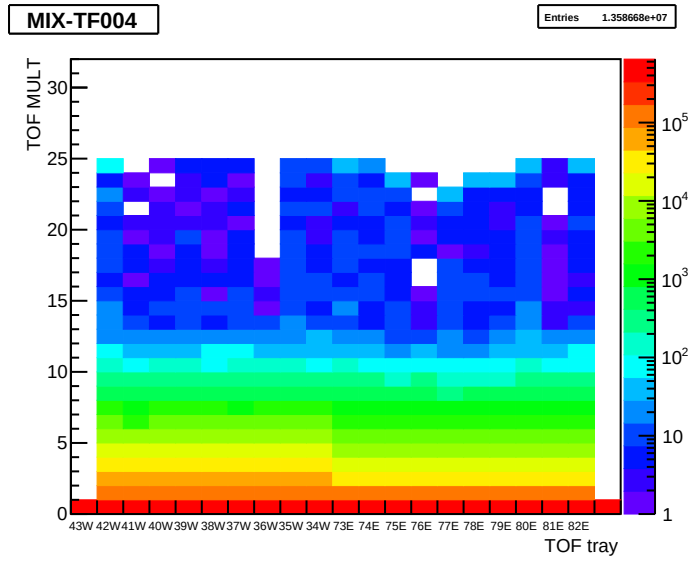

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

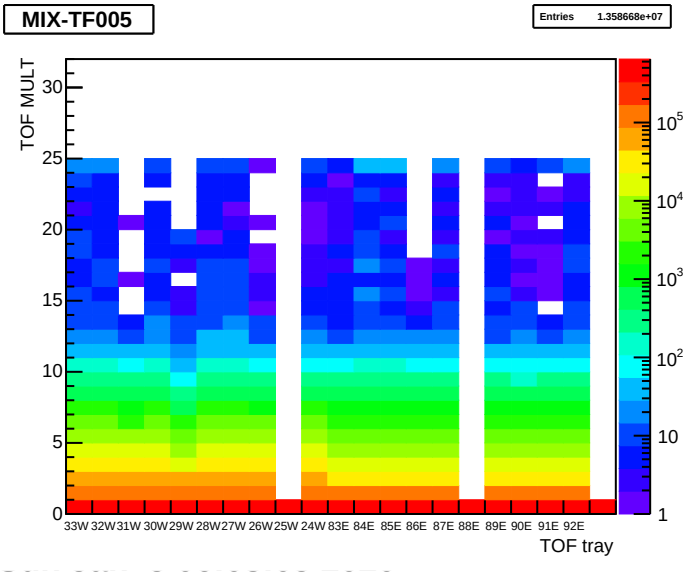

BunchId7Bit (TOFmult window)
Entries 18116
10^2
10
0 20 40 60 80 100 120

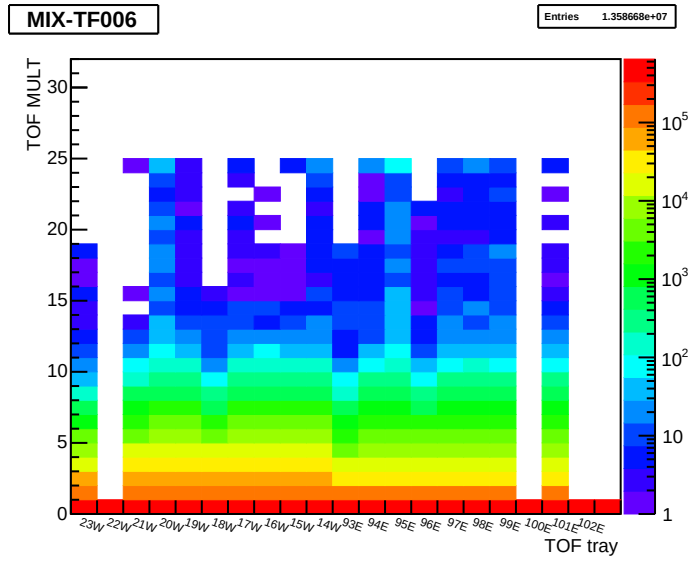

MIX-TF001
Entries 1.358668e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

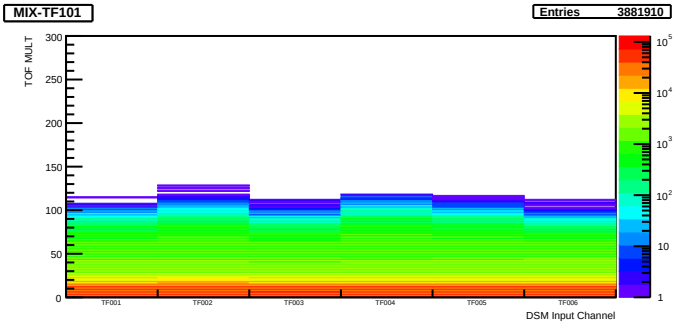

MIX-TF002
Entries 1.358668e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

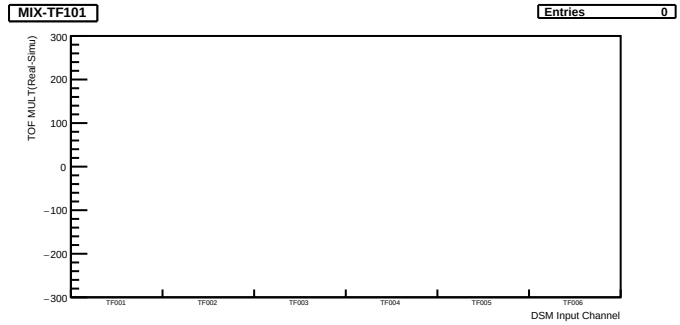

MIX-TF003
Entries 1.358668e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

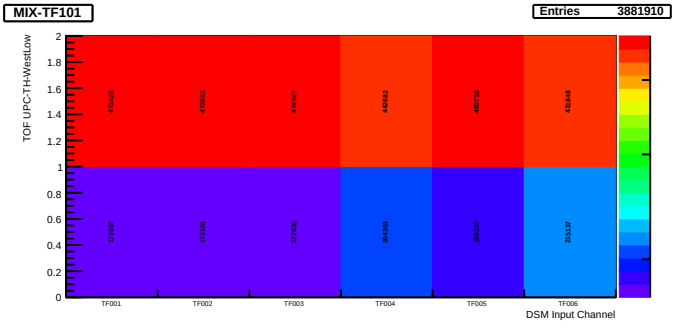

MIX-TF004
Entries 1.358668e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

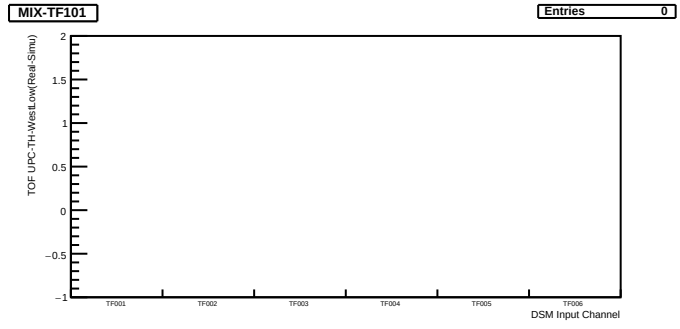

MIX-TF005
Entries 1.358668e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

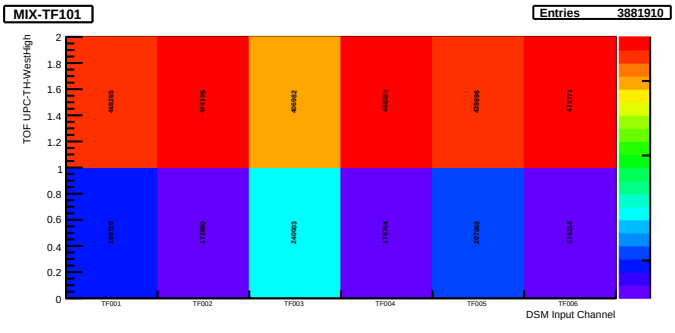

MIX-TF006
Entries 1.358668e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

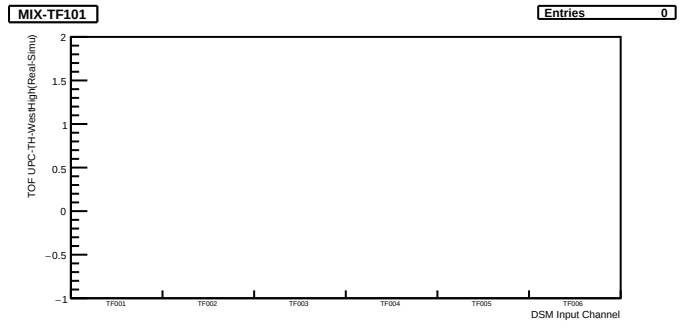

MIX-TF101
Entries 3881910
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

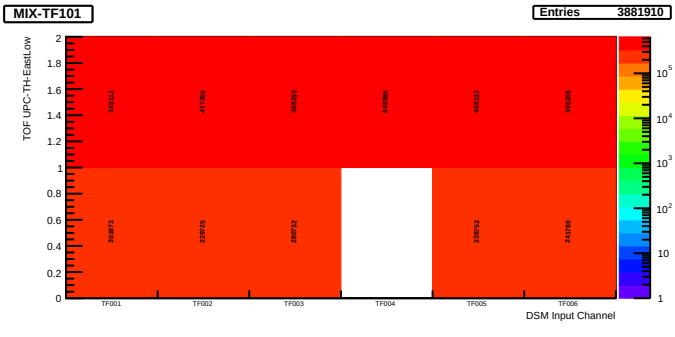

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

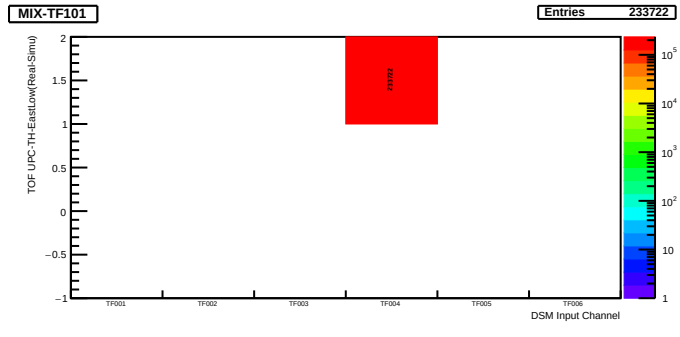

MIX-TF101
Entries 3881910
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

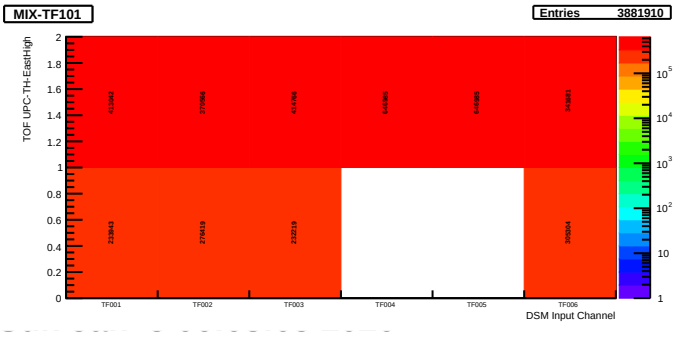

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

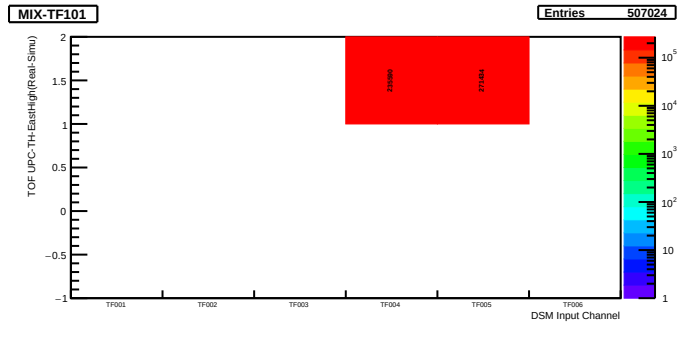

MIX-TF101
Entries 3881910
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

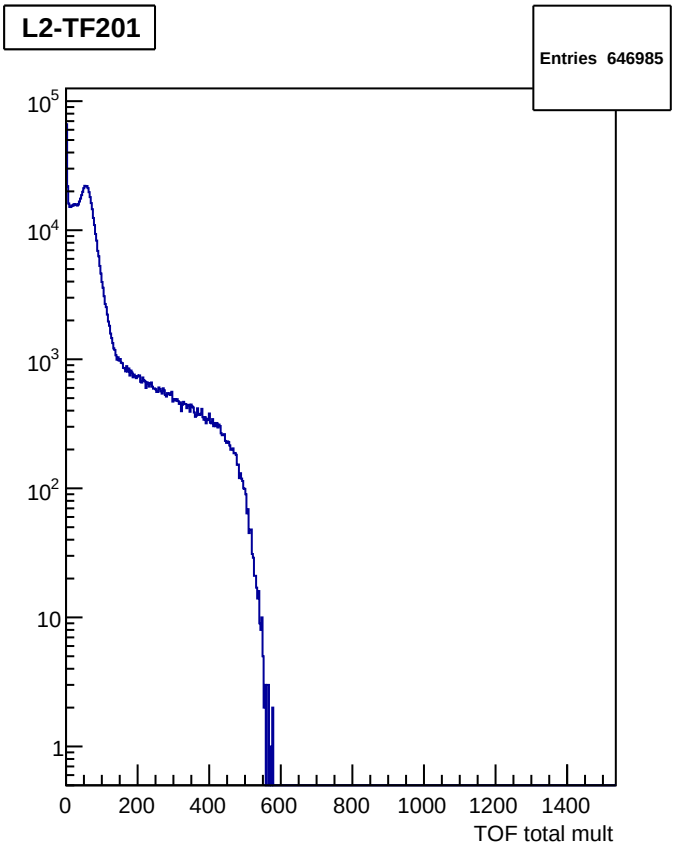

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

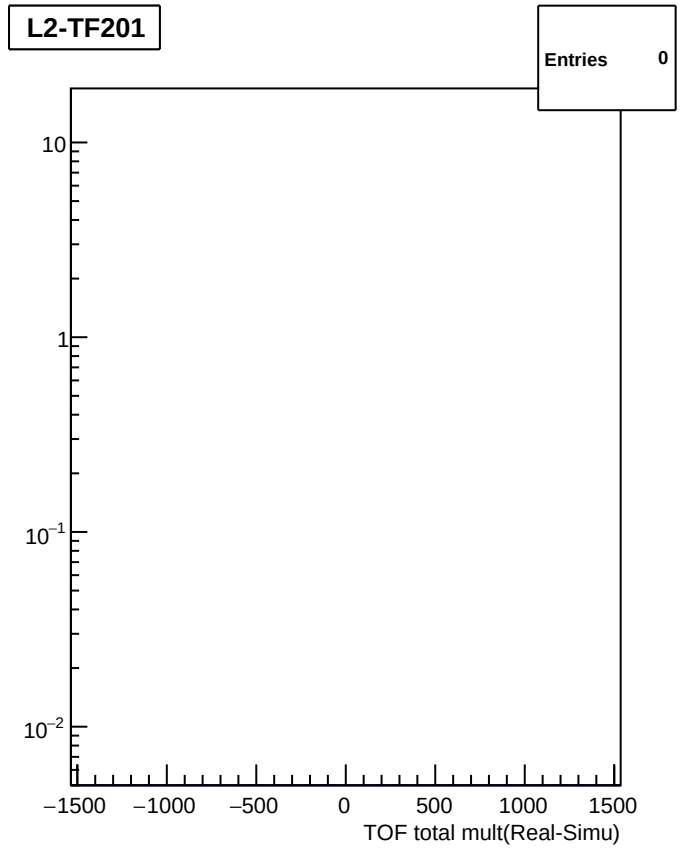

MIX-TF101
Entries 3881910
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

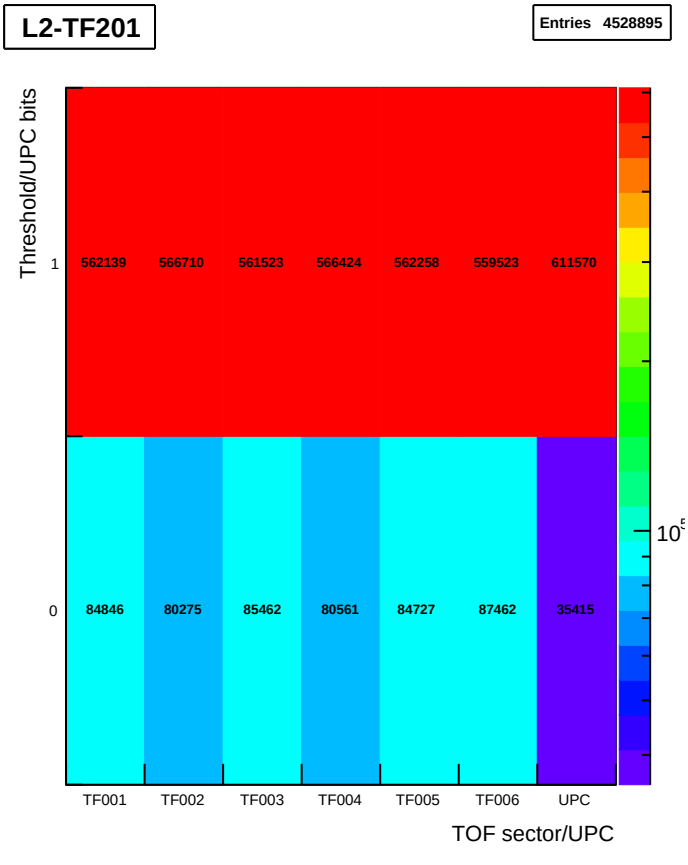

MIX-TF101
Entries 233722
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

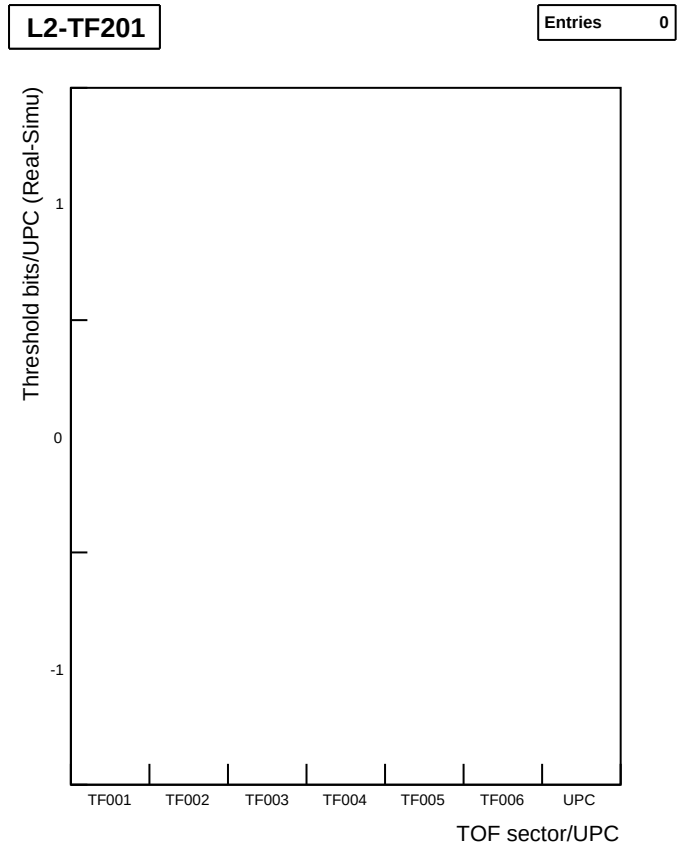

MIX-TF101
Entries 3881910
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

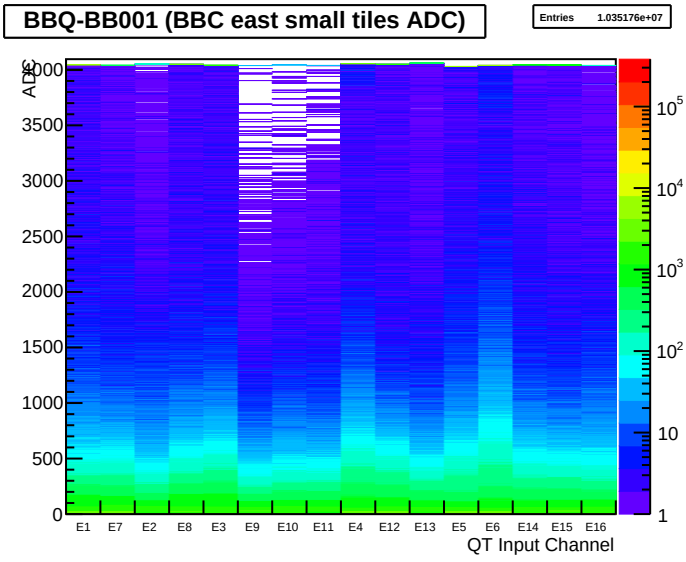

MIX-TF101
Entries 507024
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

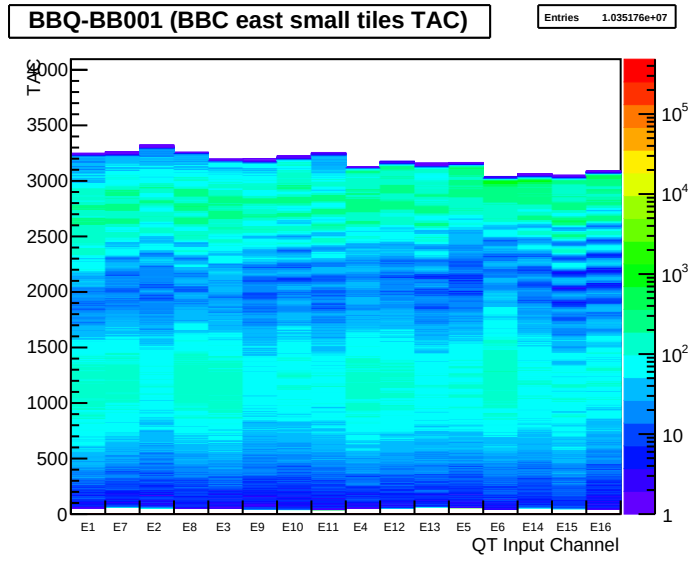

L2-TF201
Entries 646985
TOF total mult

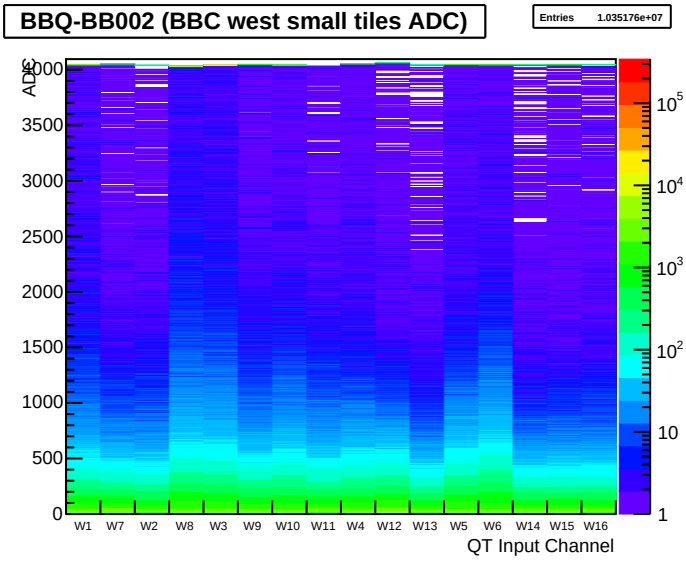

L2-TF201
Entries 0
TOF total mult(Real-Simu)

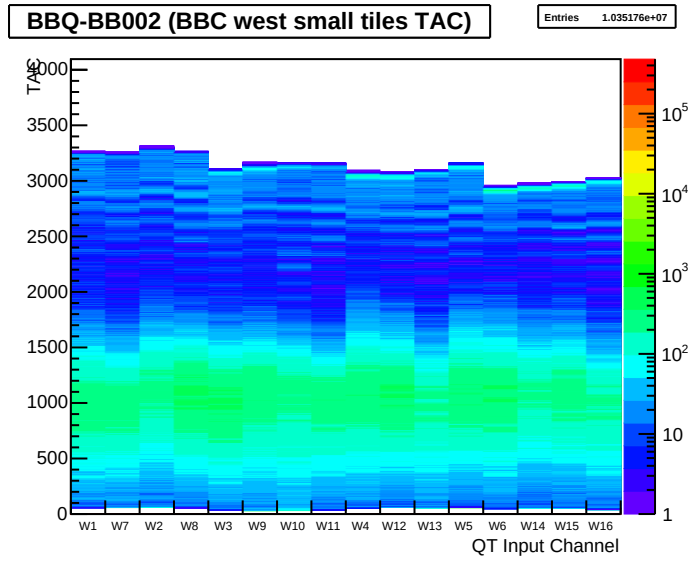

L2-TF201
Entries 4528895
Threshold/UPC bits
562139
566710
561523
566424
562258
559523
611570
84846
80275
85462
80561
84727
87462
35415
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

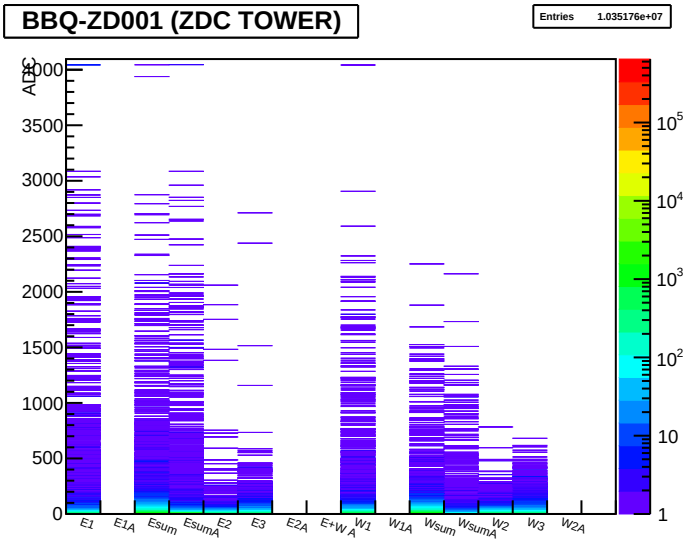

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

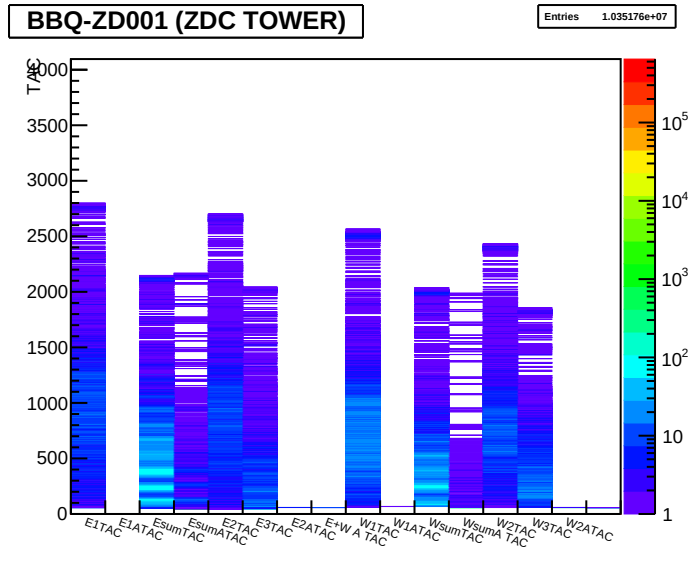

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.035176e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

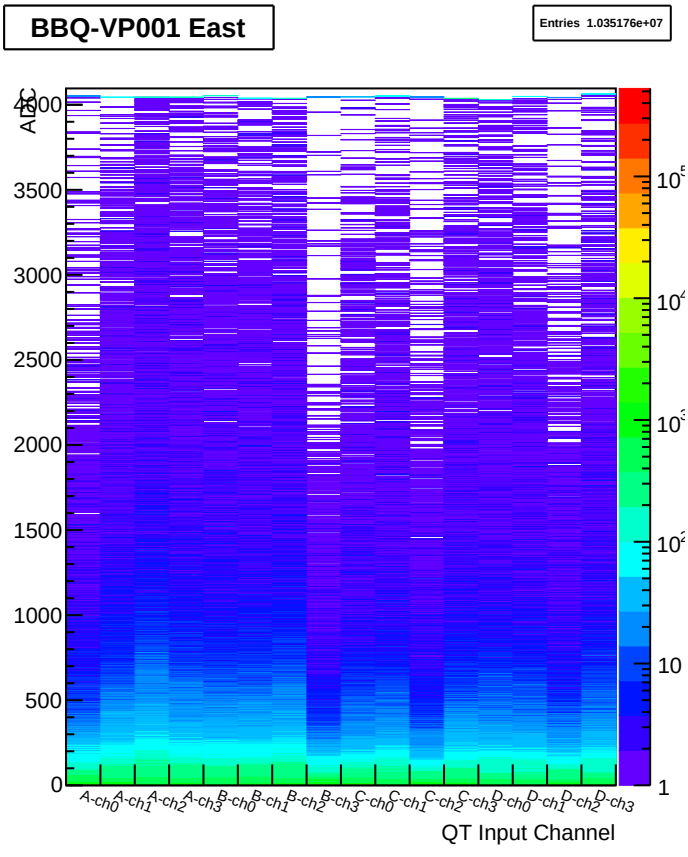

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.035176e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

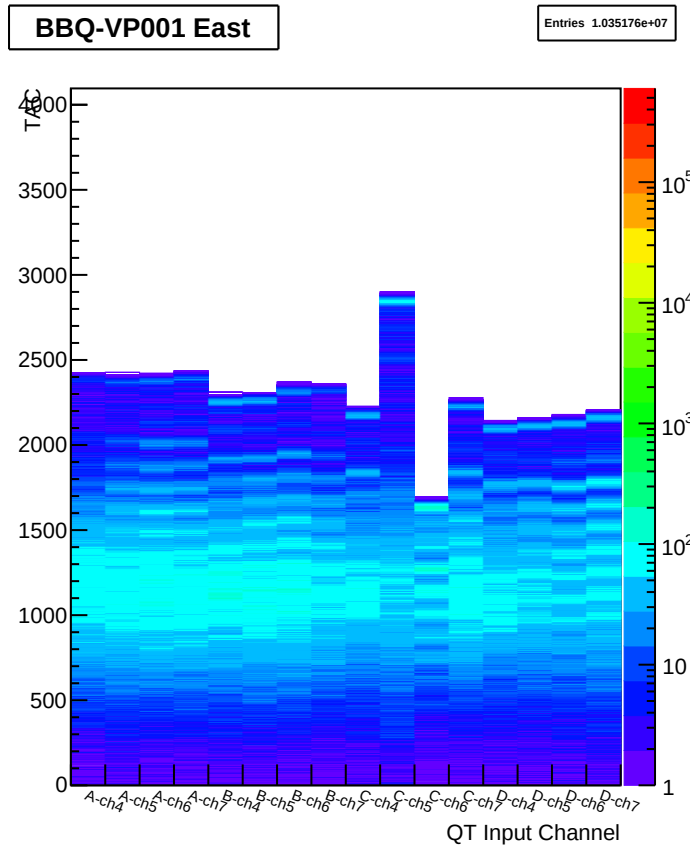

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.035176e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

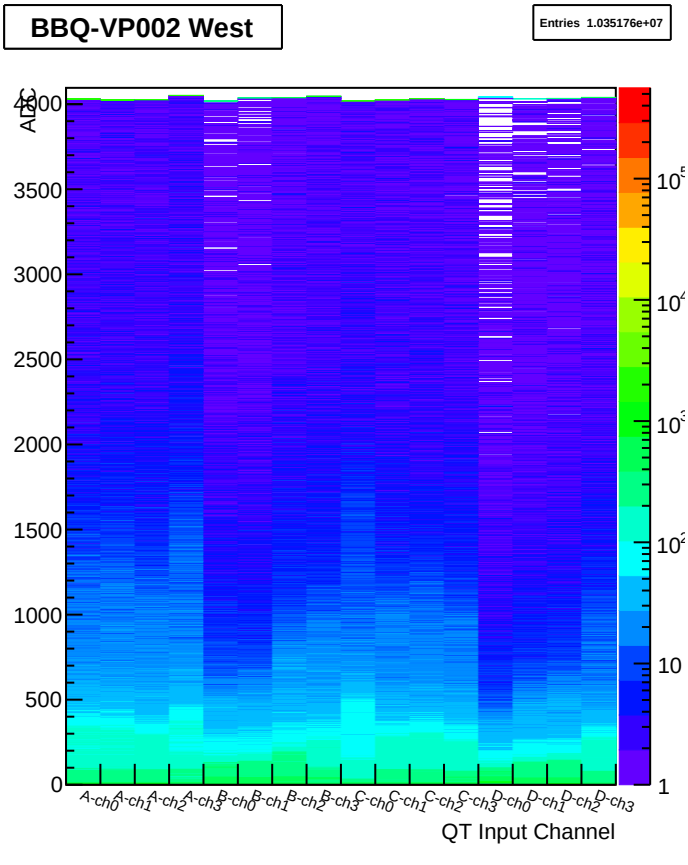

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.035176e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

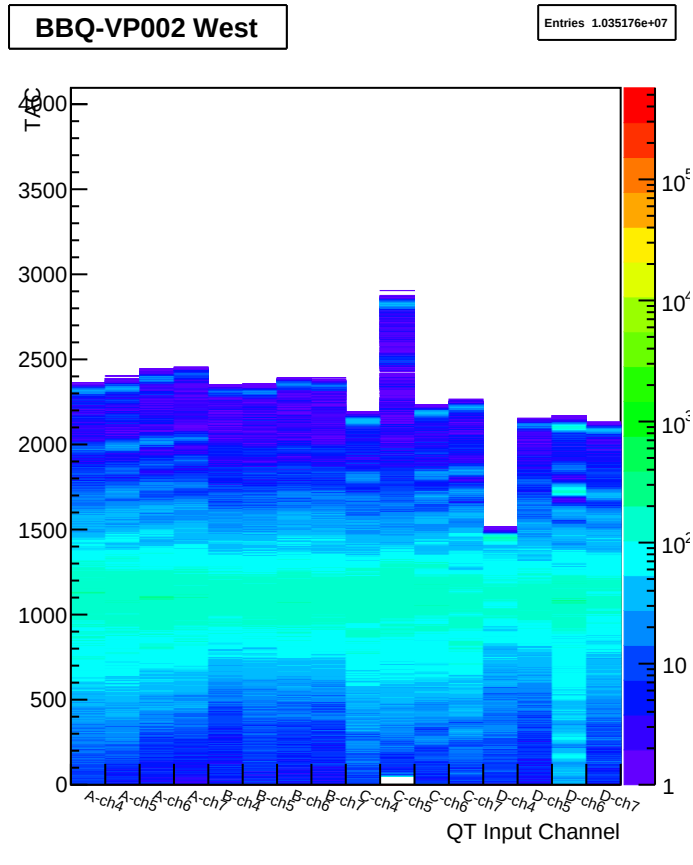

BBQ-ZD001 (ZDC TOWER)
Entries 1.035176e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

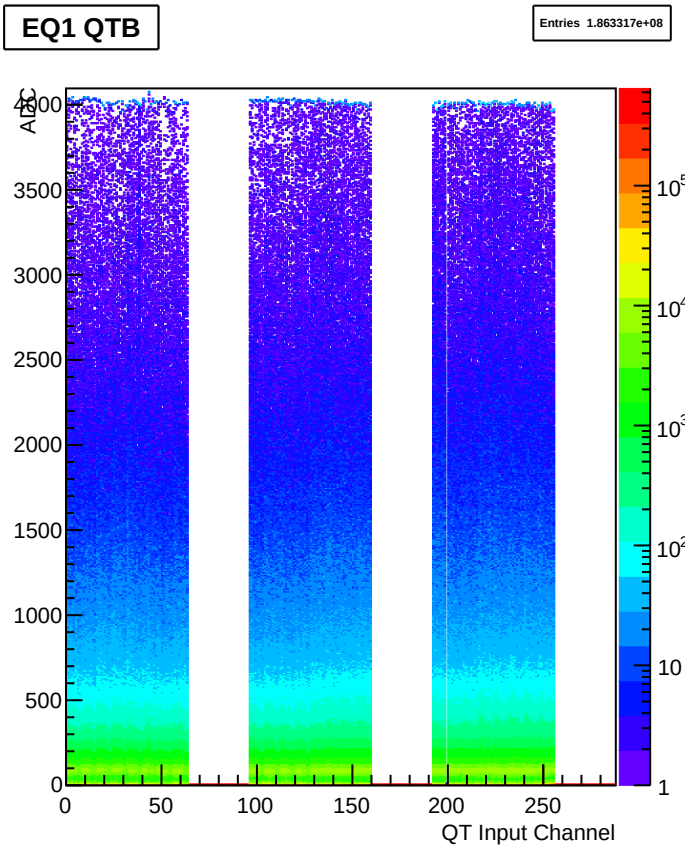

BBQ-ZD001 (ZDC TOWER)
Entries 1.035176e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

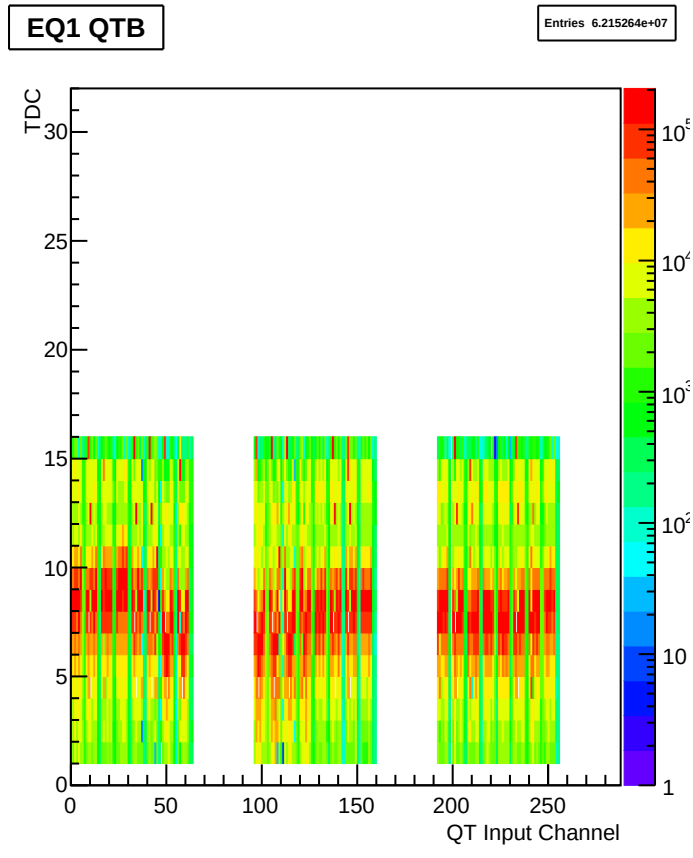

BBQ-VP001 East
Entries 1.035176e+07
ADC
QT Input Channel

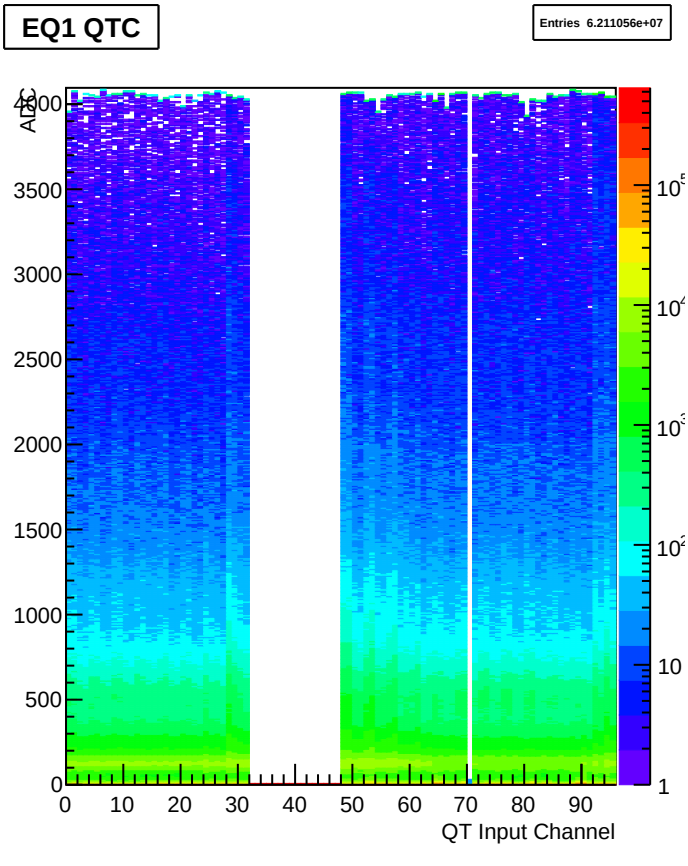

BBQ-VP001 East
Entries 1.035176e+07
ADC
QT Input Channel

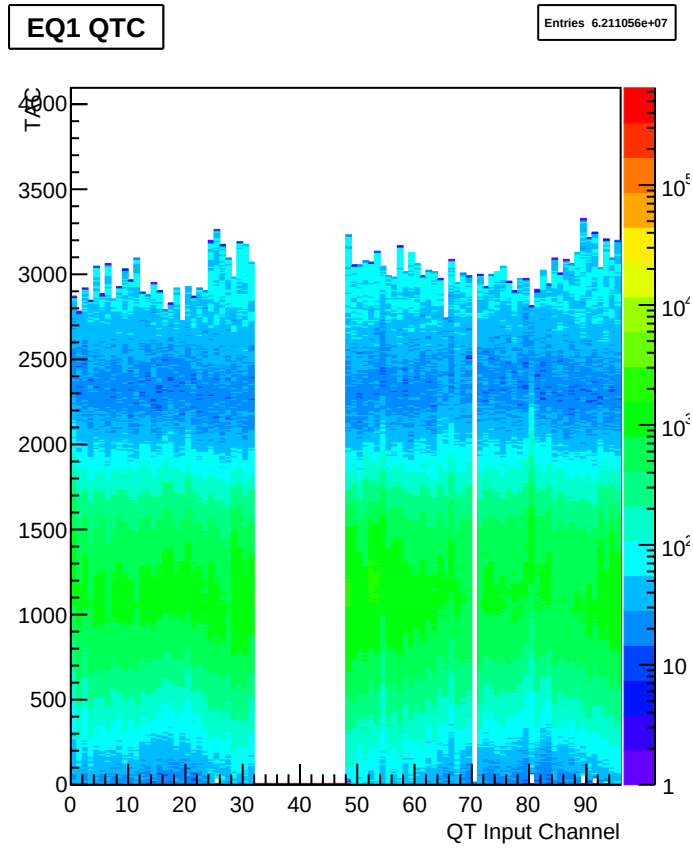

BBQ-VP002 West
Entries 1.035176e+07
ADC
QT Input Channel

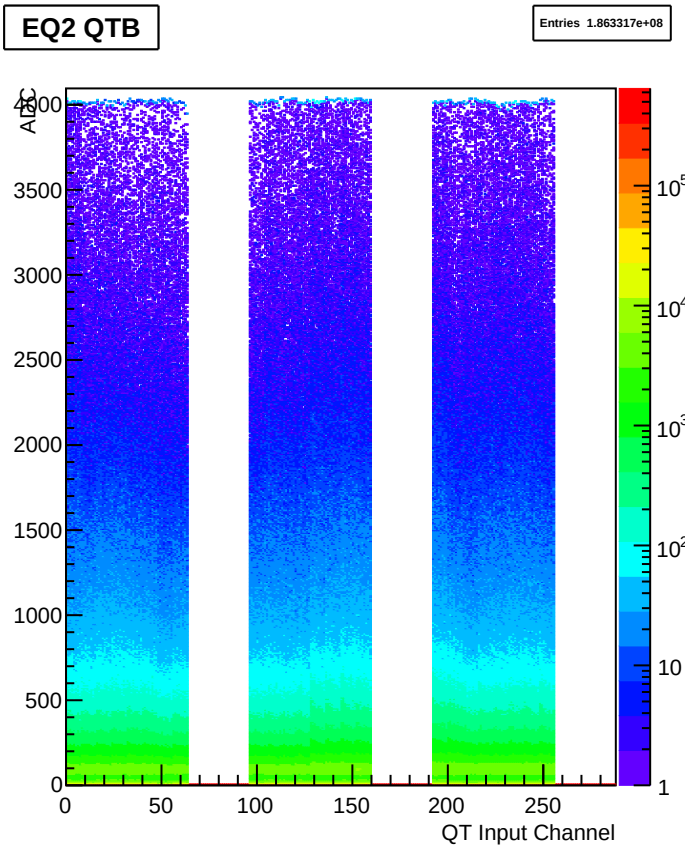

BBQ-VP002 West
Entries 1.035176e+07
ADC
QT Input Channel

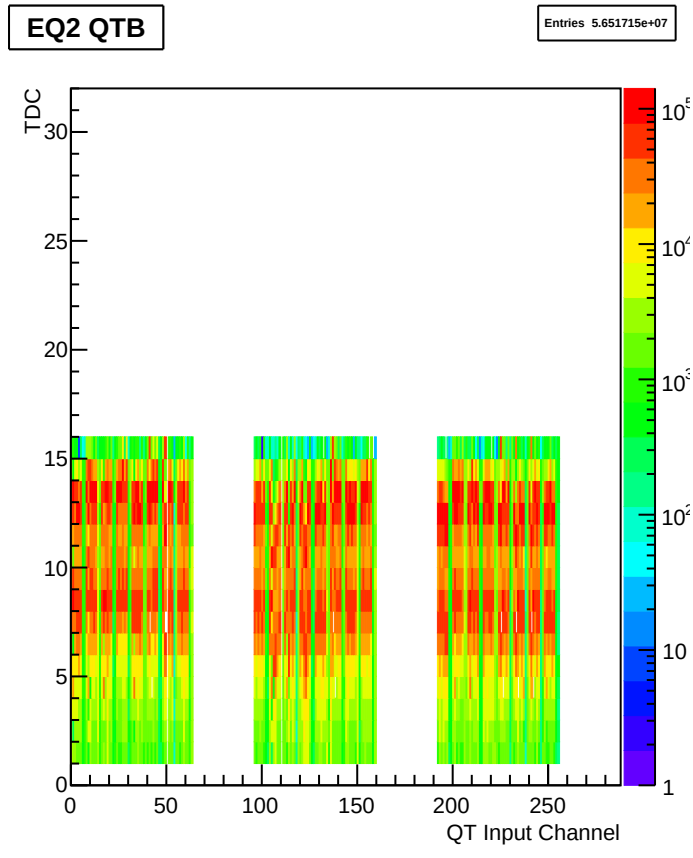

EQ1 QTB
Entries 1.863317e+08
ADC
QT Input Channel

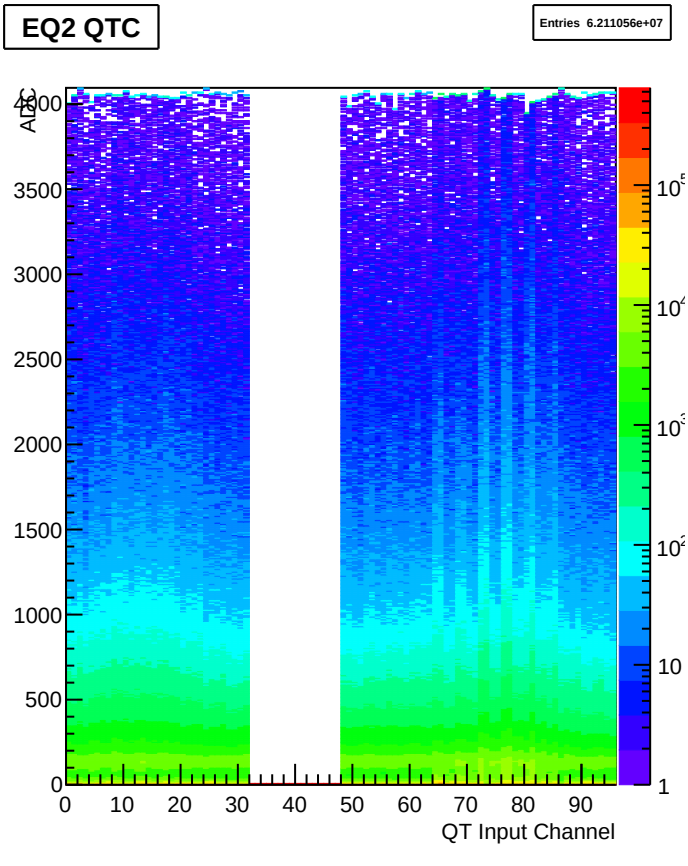

EQ1 QTB
Entries 6.215264e+07
TDC
QT Input Channel

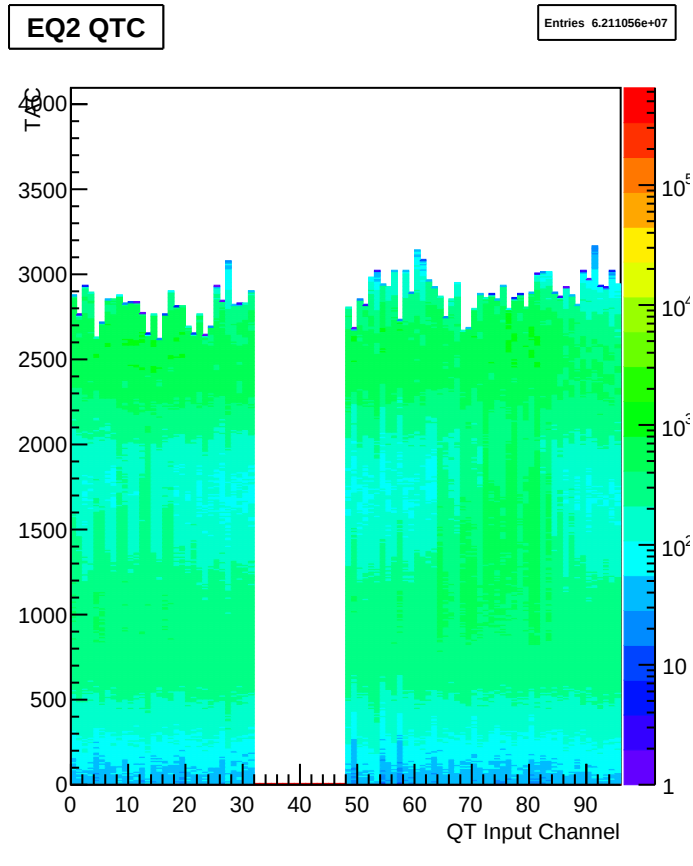

EQ1 QTC
Entries 6.211056e+07
ADC
QT Input Channel

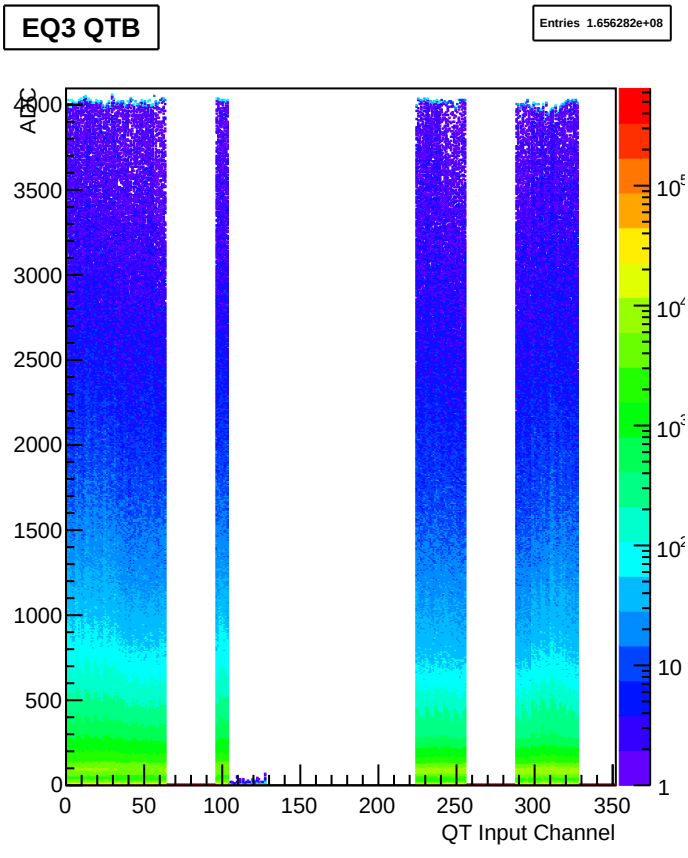

EQ1 QTC
Entries 6.211056e+07
TADC
QT Input Channel

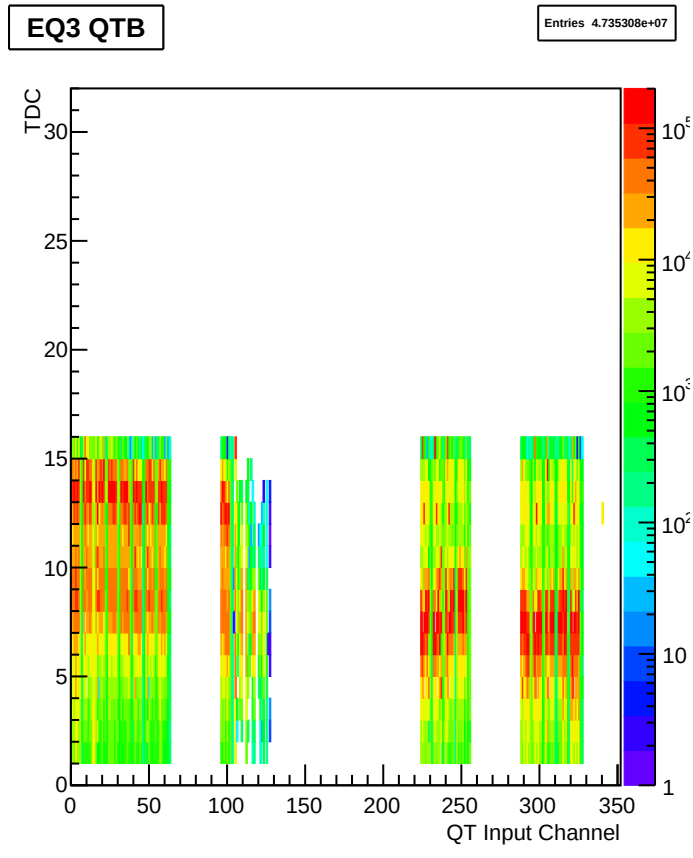

EQ2 QTB
Entries 1.863317e+08
ADC
QT Input Channel

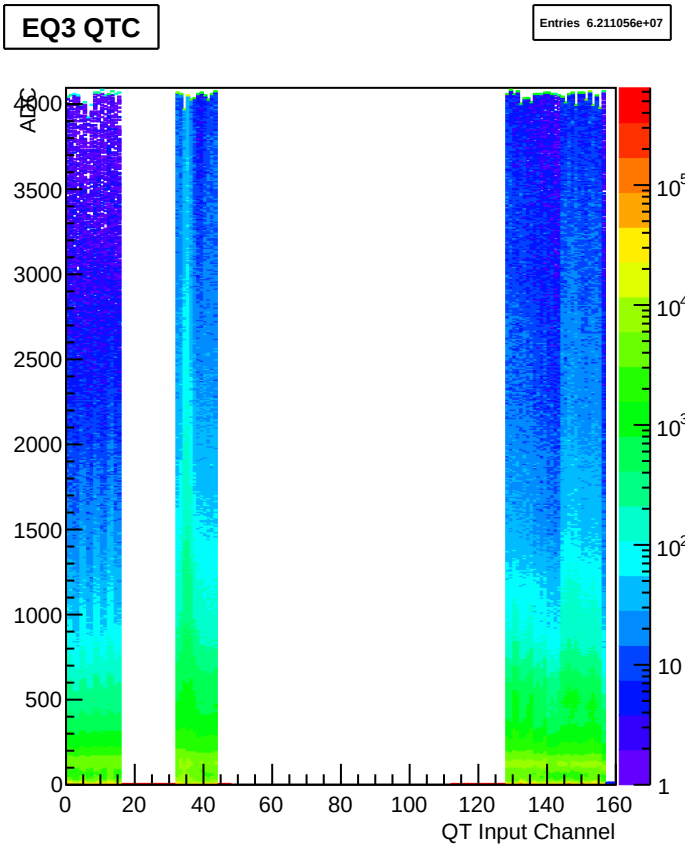

EQ2 QTB
Entries 5.651715e+07
TDC
QT Input Channel

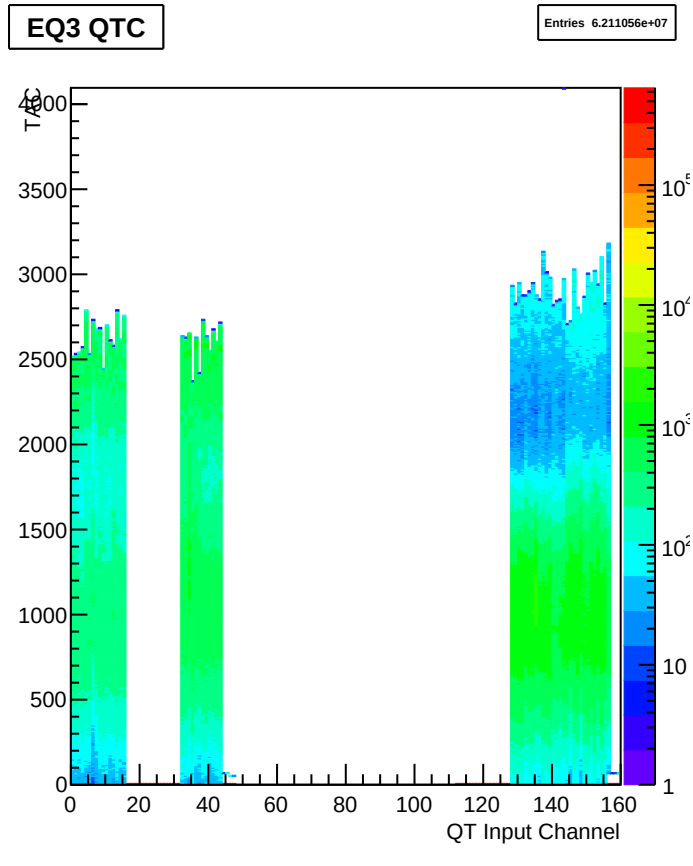

EQ2 QTC
Entries 6.211056e+07
ADC
QT Input Channel

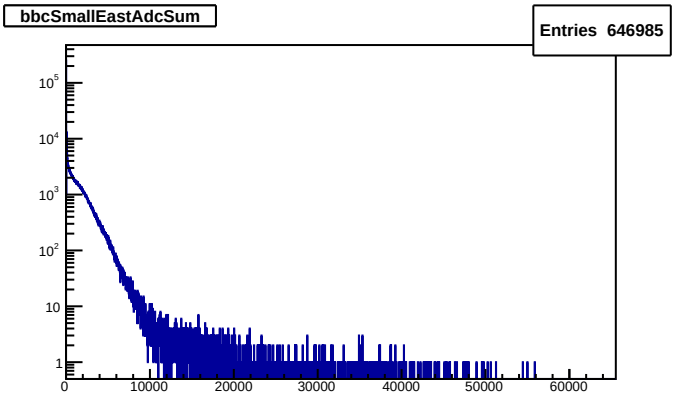

EQ2 QTC
Entries 6.211056e+07
TADC
QT Input Channel

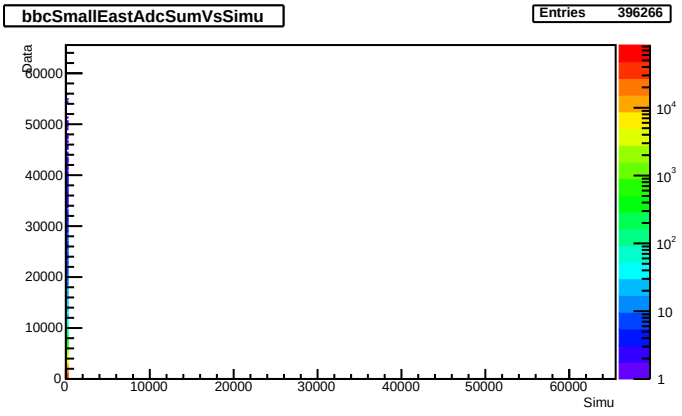

EQ3 QTB
Entries 1.656282e+08
ADC
QT Input Channel

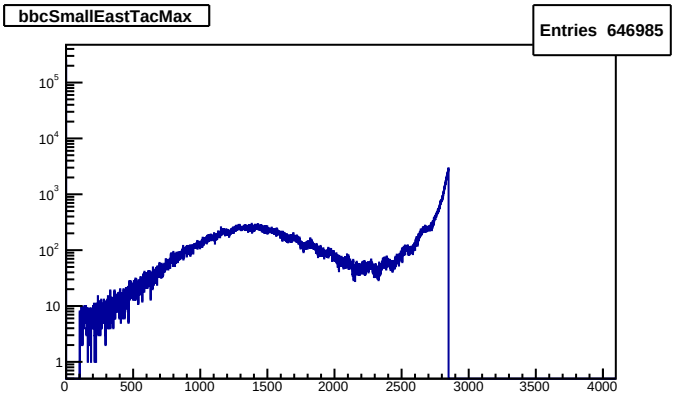

EQ3 QTB
Entries 4.735308e+07
TDC
QT Input Channel

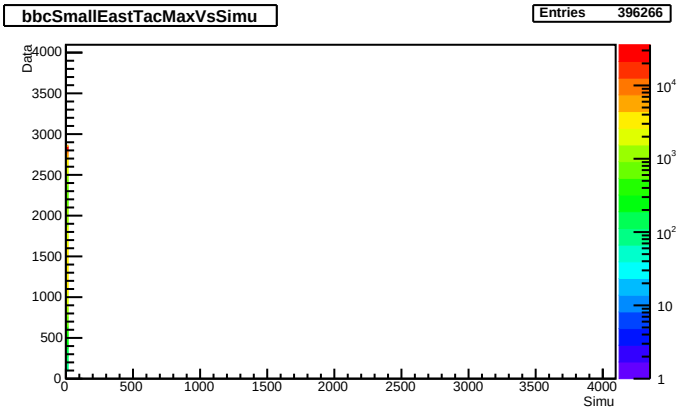

EQ3 QTC
Entries 6.211056e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.211056e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 646985


bbcSmallEastAdcSumVsSimu
Entries 396266
Data
Simu


bbcSmallEastTacMax
Entries 646985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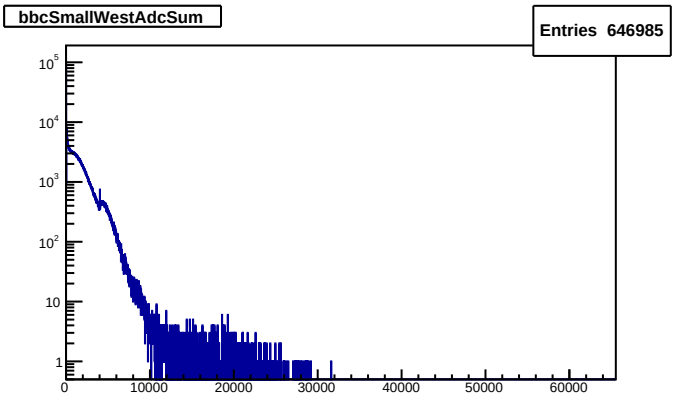
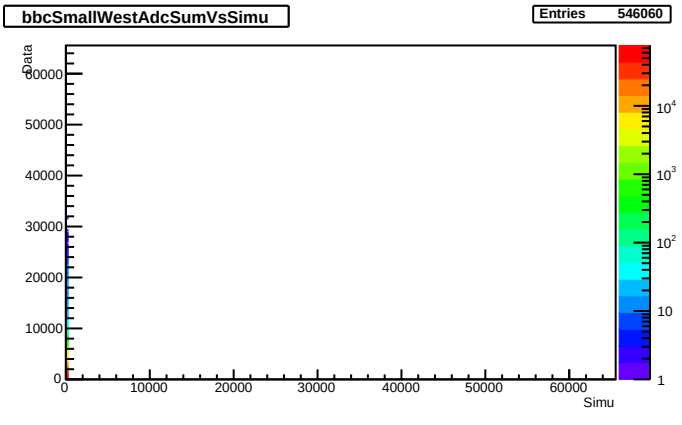

bbcSmallWestAdcSum
Entries 646985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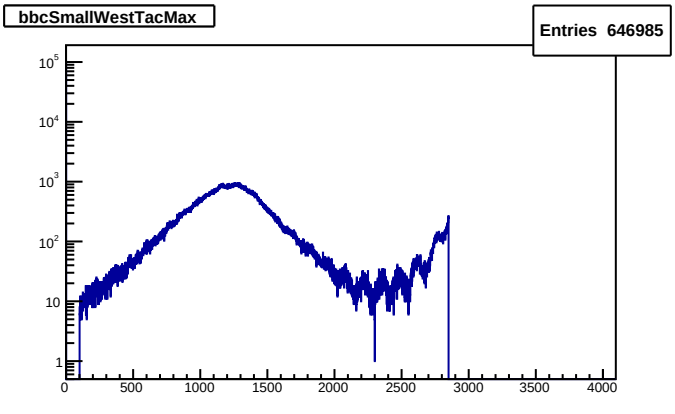
Entries 546060
Data
Simu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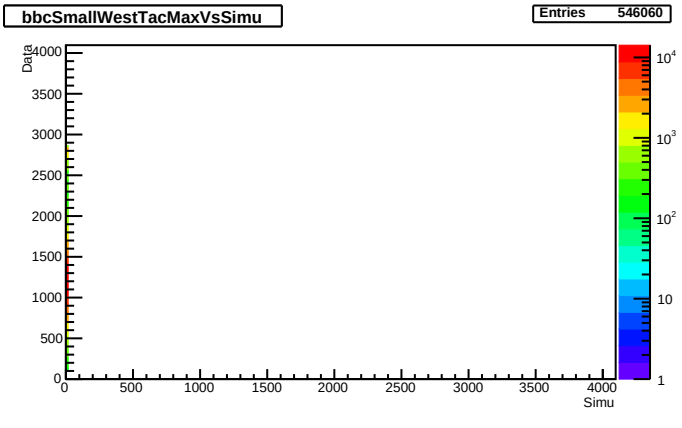
Entries 646985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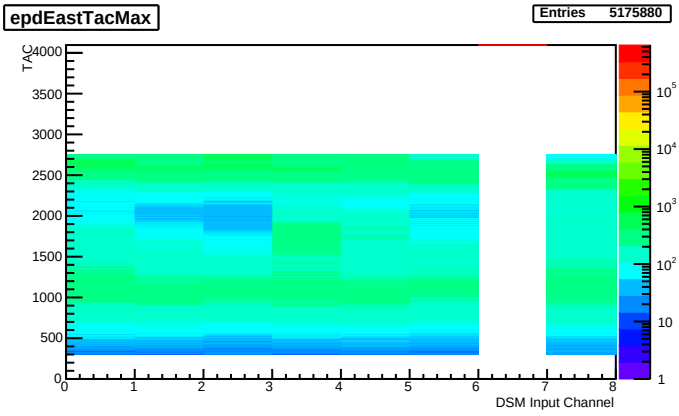
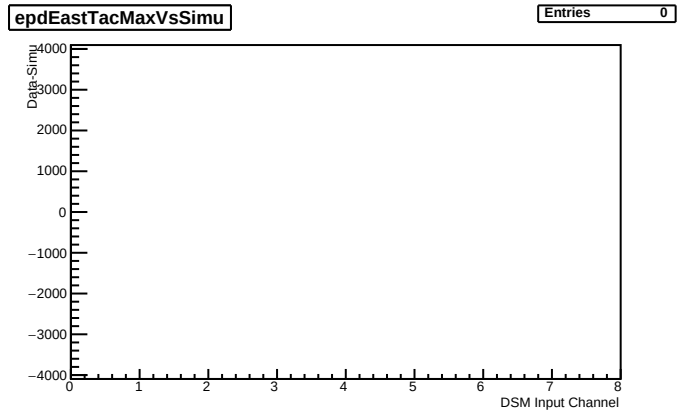
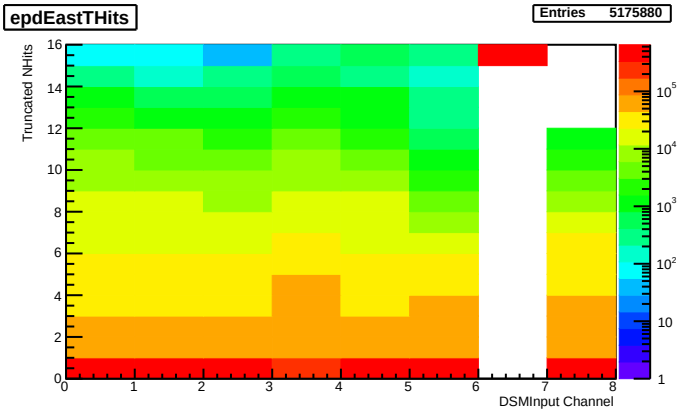
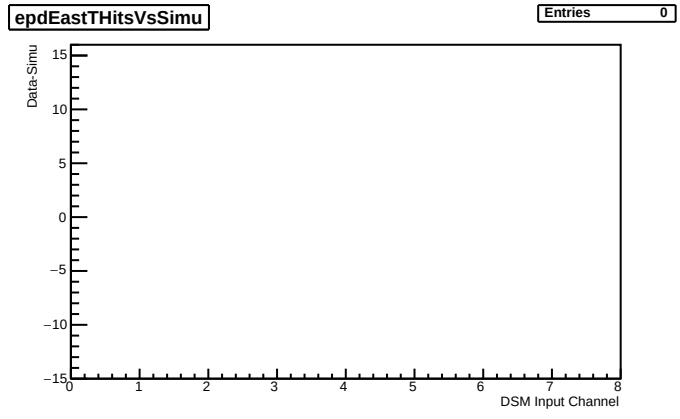
Entries 546060
Data
Simu


epdEastTacMax
Entries 5175880
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5175880
Truncated NHits
DSMInput Channel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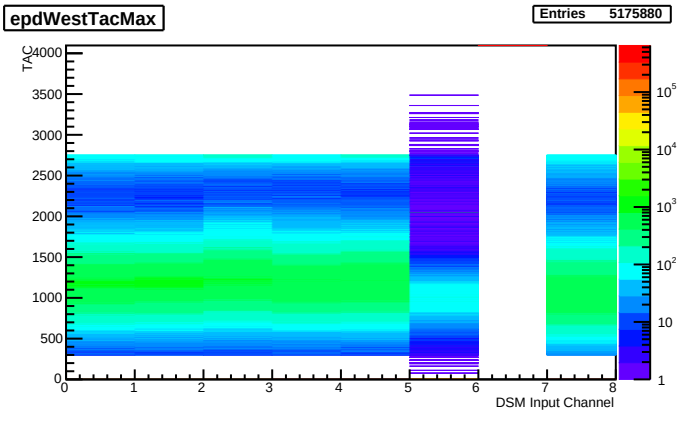
Data-Simu
DSM Input Channel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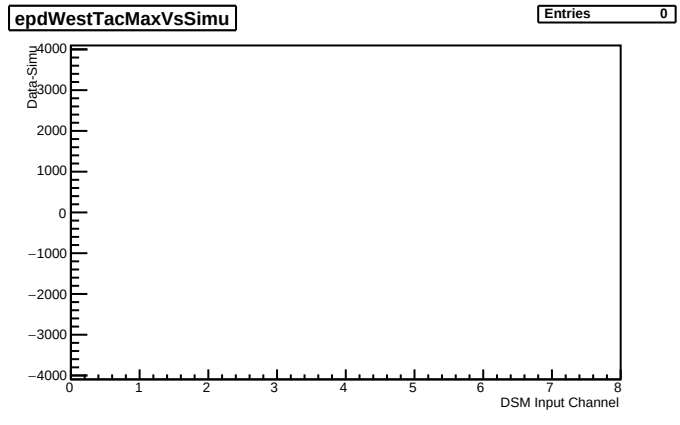
TAC
DSM Input Channel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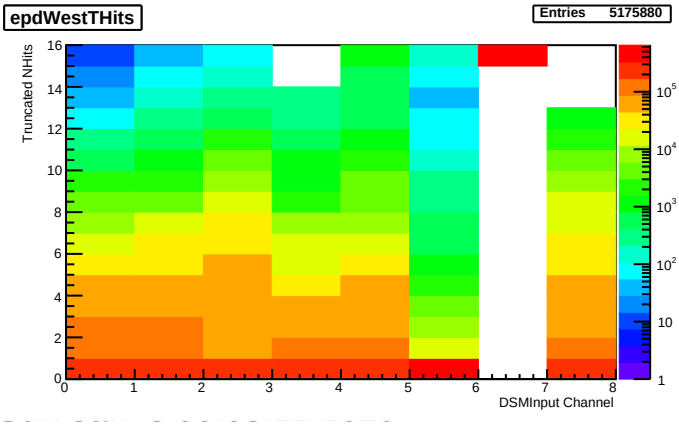
DSM Input Channel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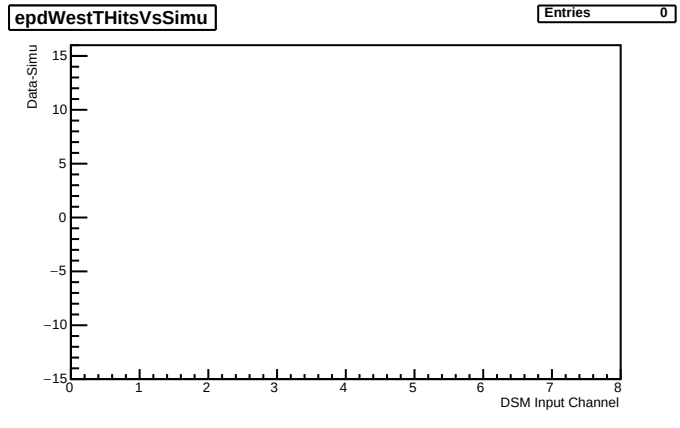
Entries 5175880
Truncated NHits
DSMInput Channel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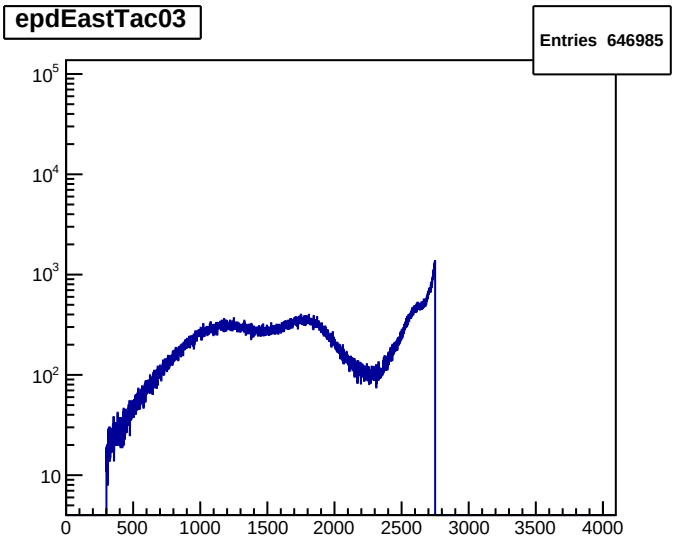
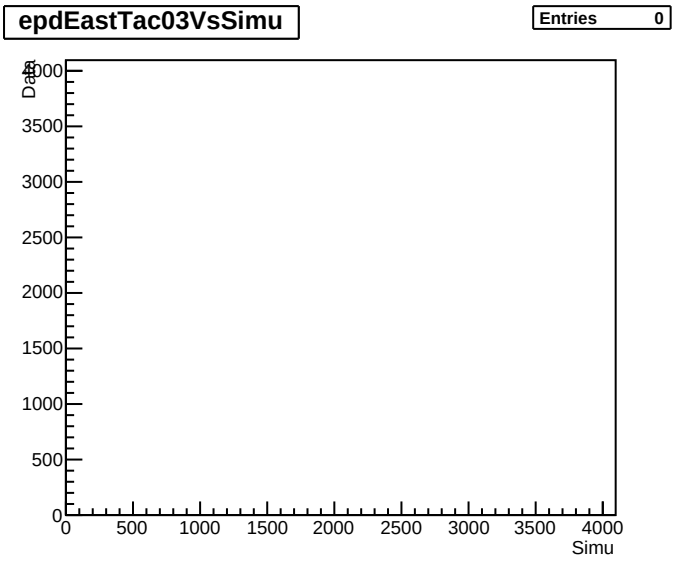
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 646985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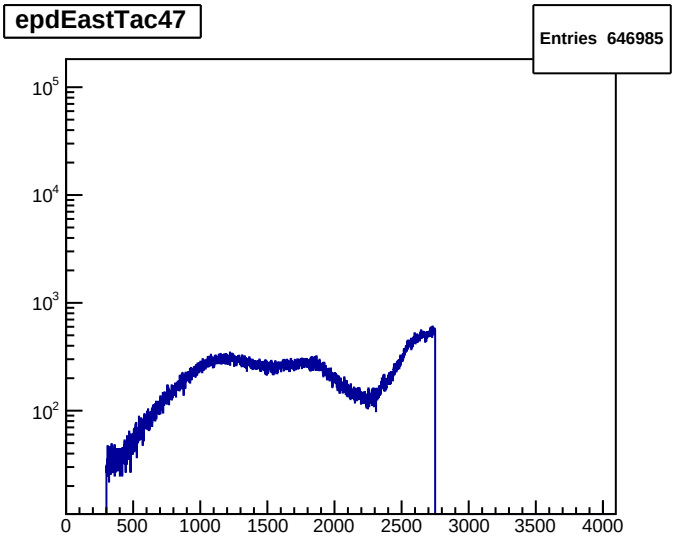
Entries 0
Data
Simu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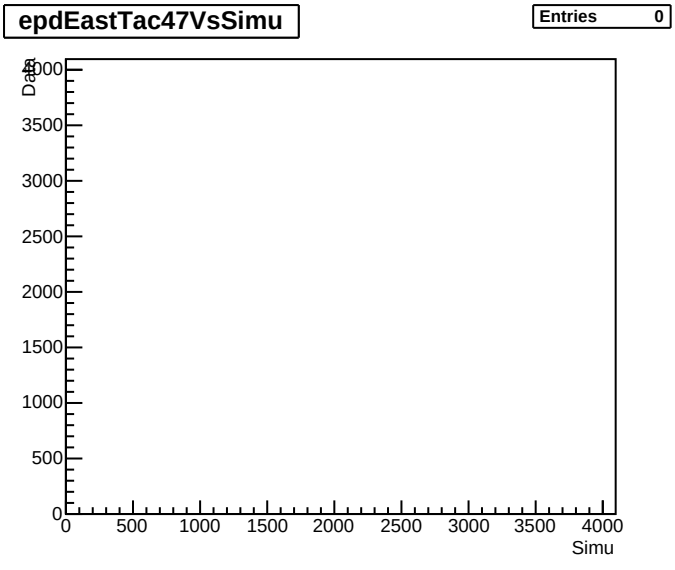
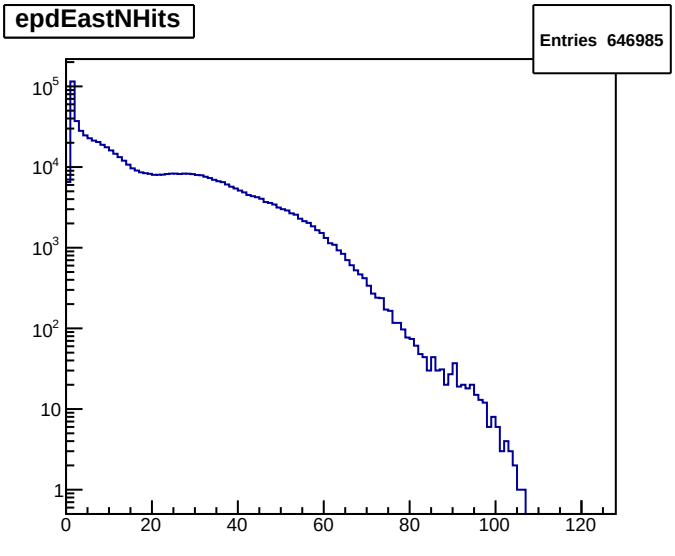
Entries 646985


epdEastTac47VsSimu
Entries 0
Data
Simu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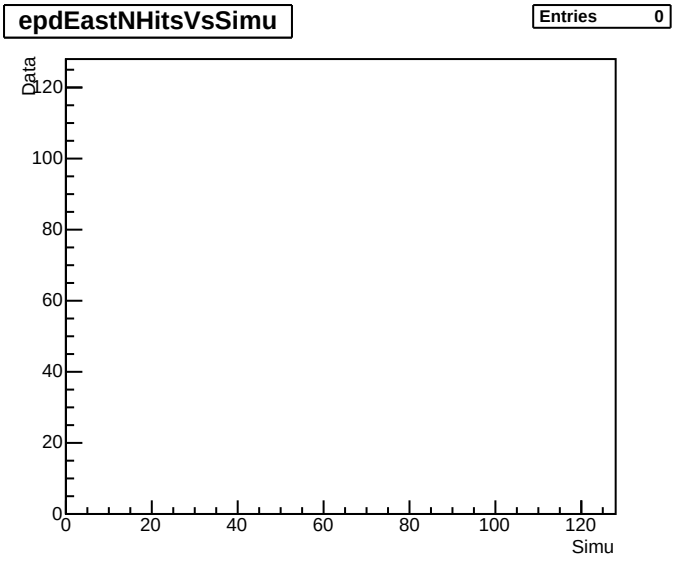
Entries 646985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Entries 0
Data
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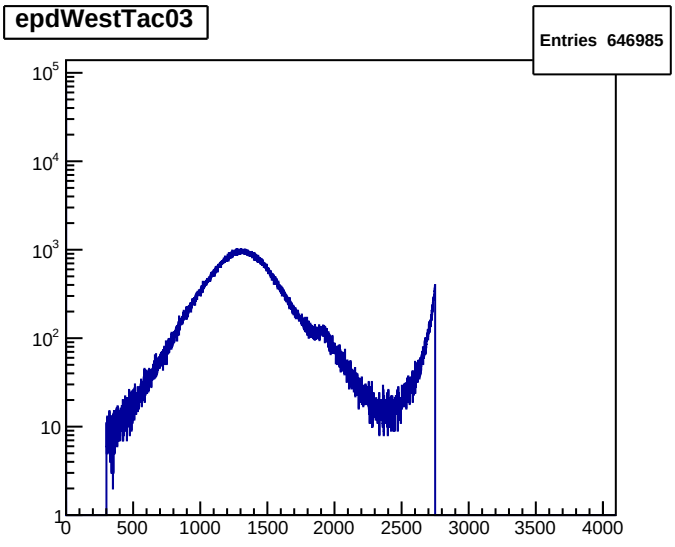
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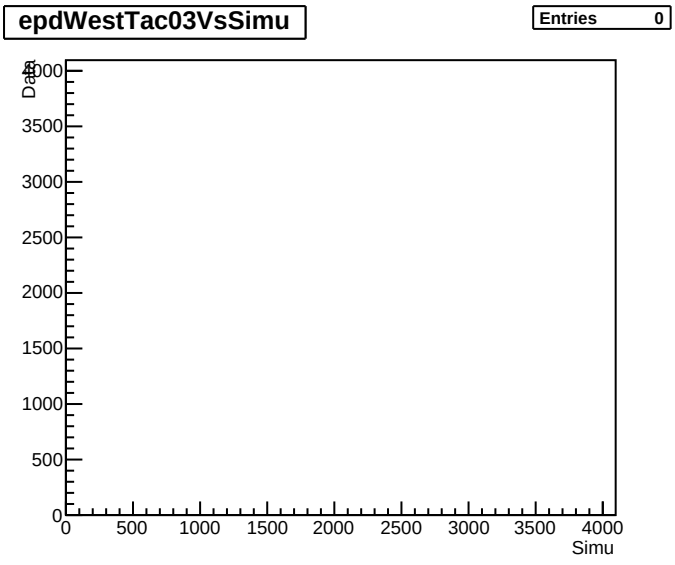
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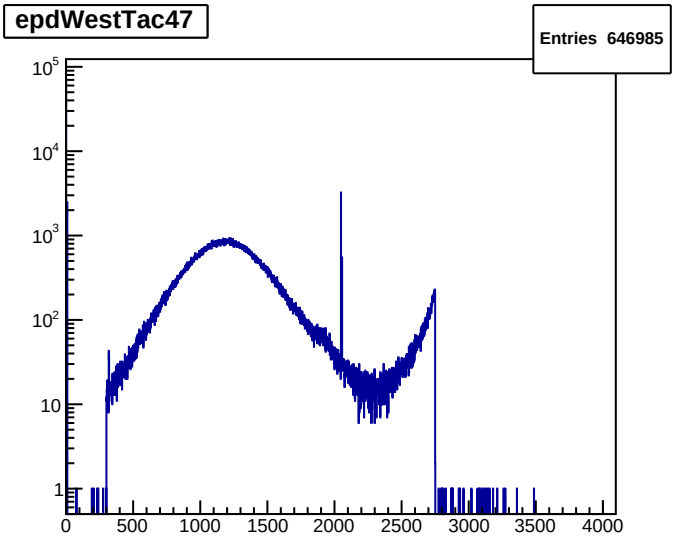
Entries 0
Data
Simu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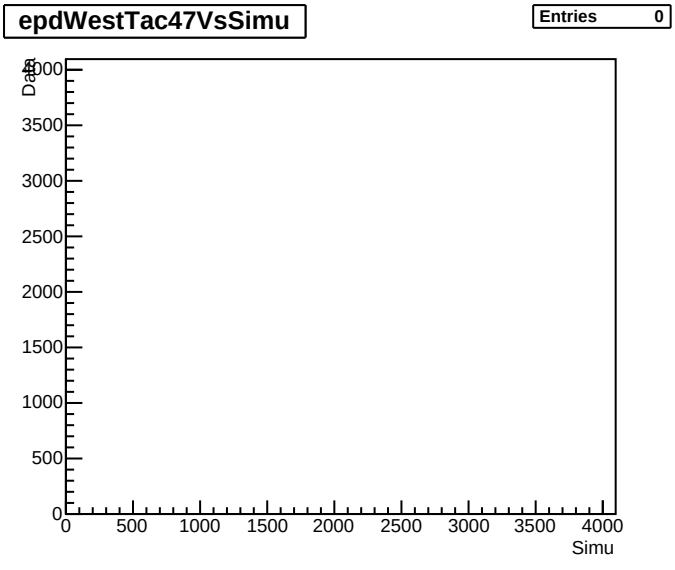
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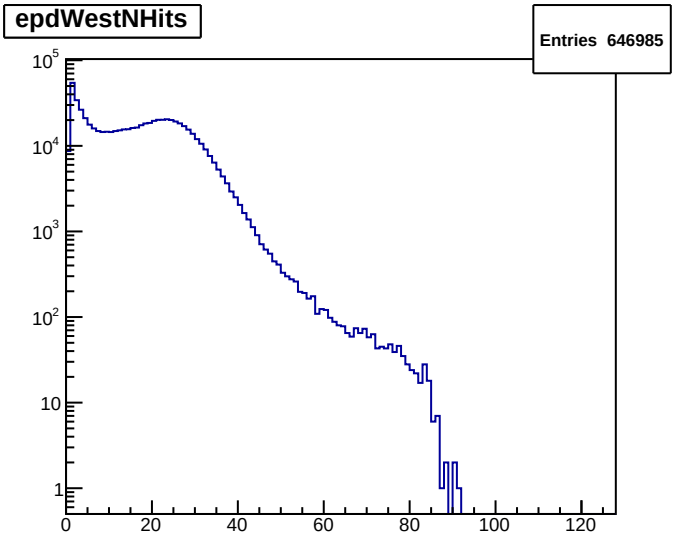
Entries 0
Data
Simu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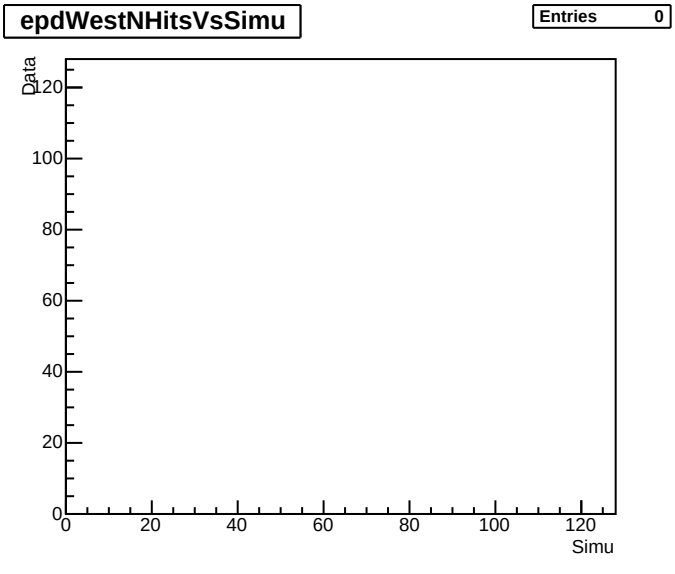
Entries 646985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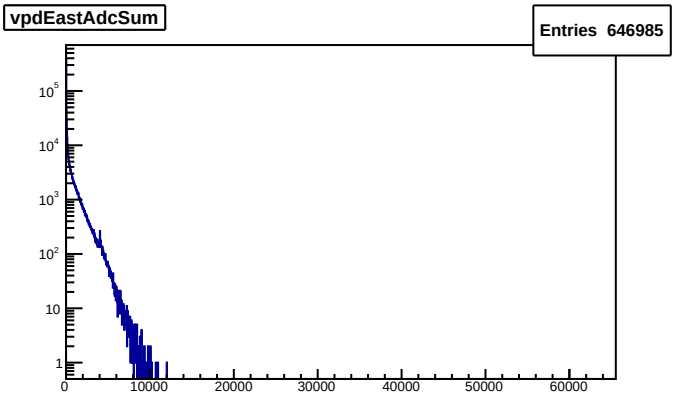
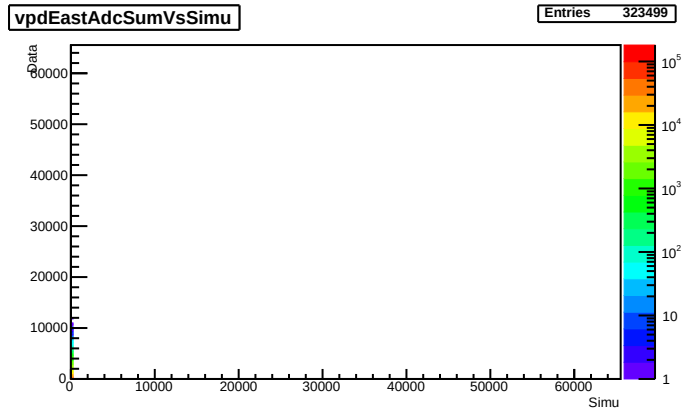
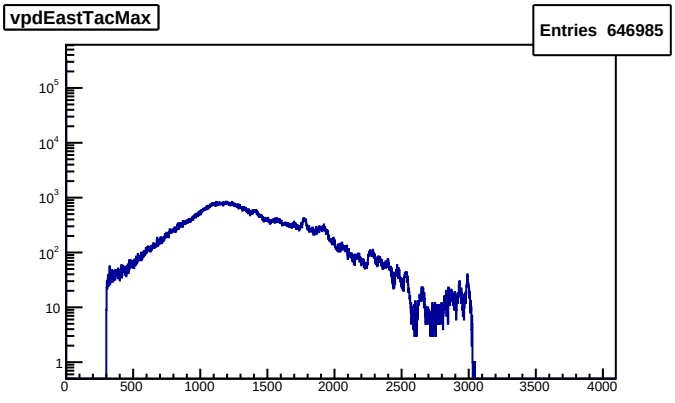
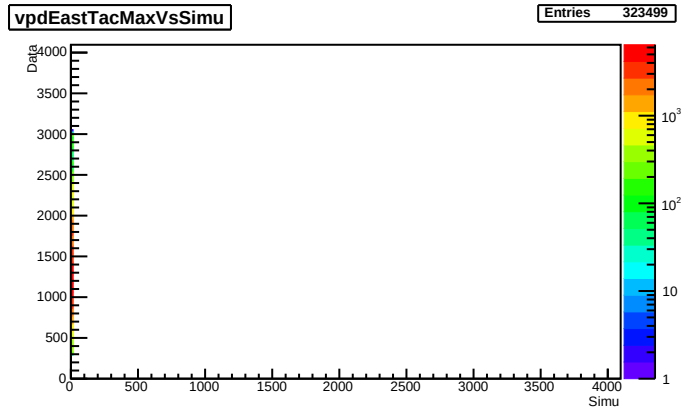
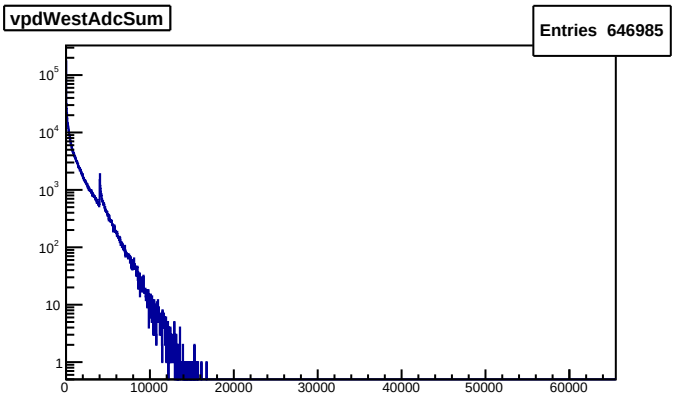
Entries 0
Data
Simu

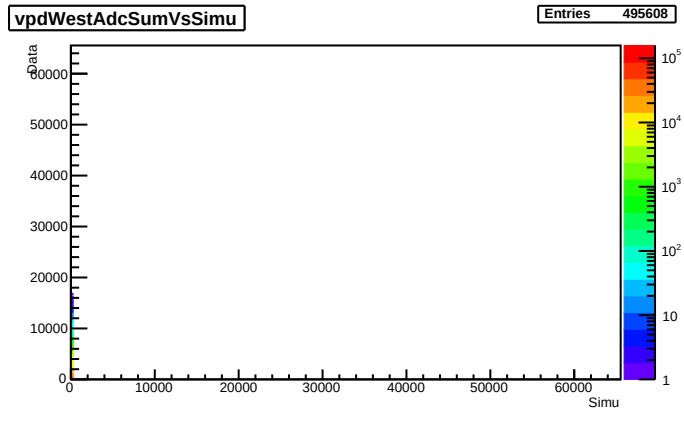

vpdEastAdcSum
Entries 646985

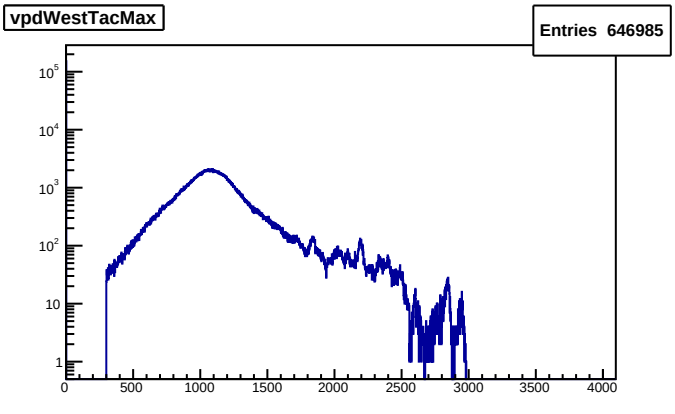

vpdEastAdcSumVsSimu
Entries 323499
Data
Simu

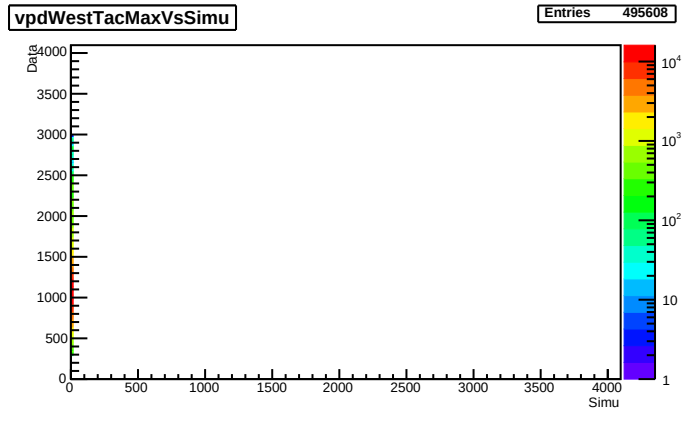

vpdEastTacMax
Entries 646985

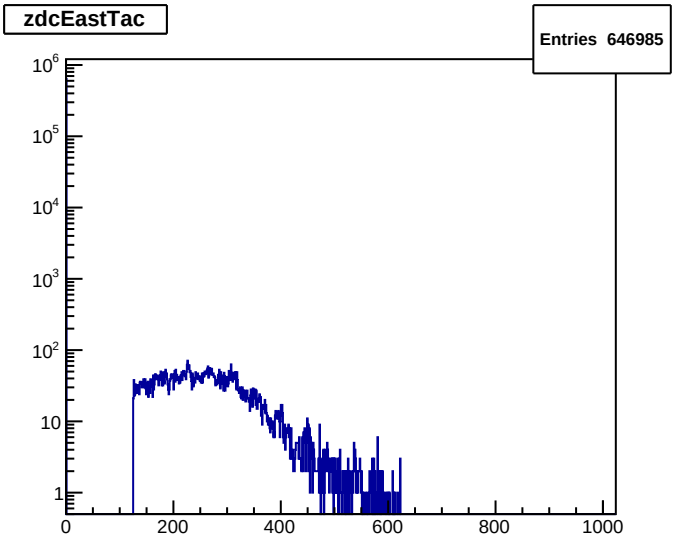

vpdEastTacMaxVsSimu
Entries 323499
Data
Simu

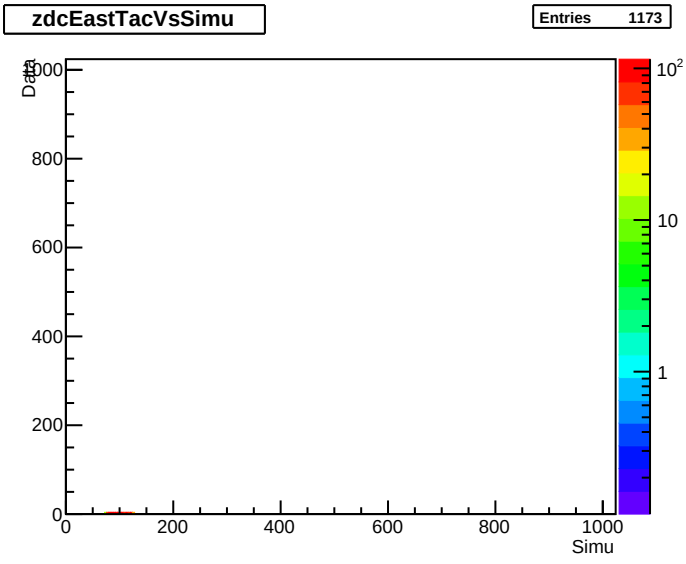

vpdWestAdcSum
Entries 646985

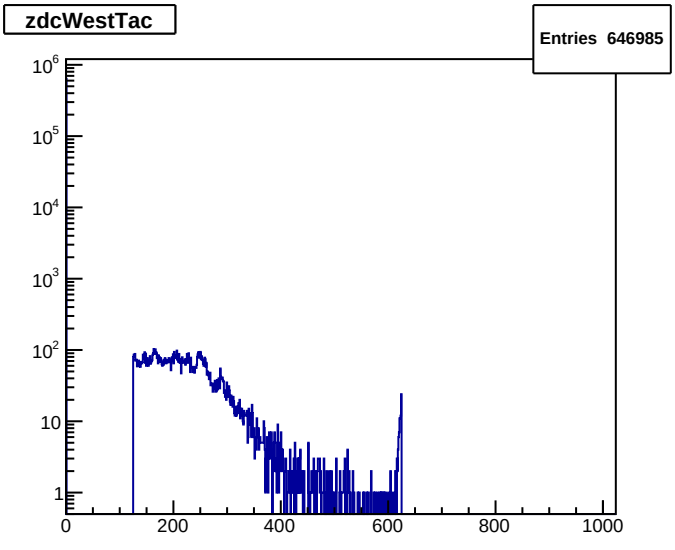

vpdWestAdcSumVsSimu
Entries 495608
Data
Simu

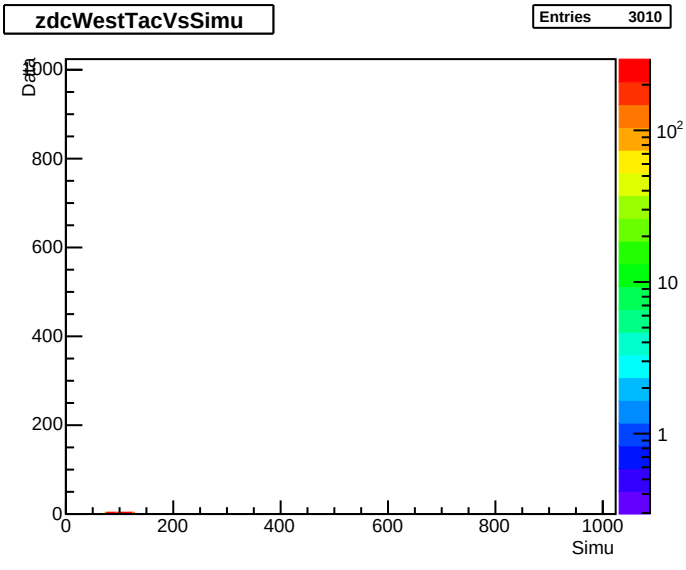

vpdWestTacMax
Entries 646985

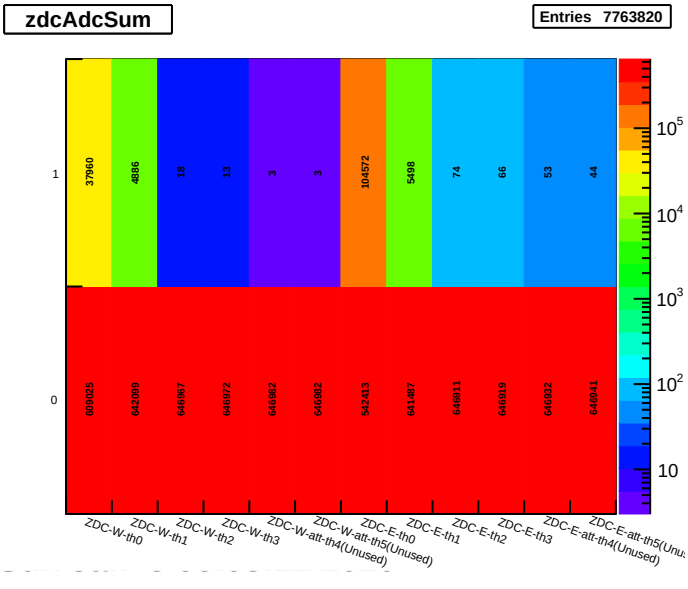

vpdWestTacMaxVsSimu
Entries 495608
Data
Simu


zdcEastTac
Entries 646985


zdcEastTacVsSimu
Entries 1173
Data
Simu


zdcWestTac
Entries 646985


zdcWestTacVsSimu
Entries 3010
Data
Simu


zdcAdcSum
Entries 7763820
37960
4886
18
13
3
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104572
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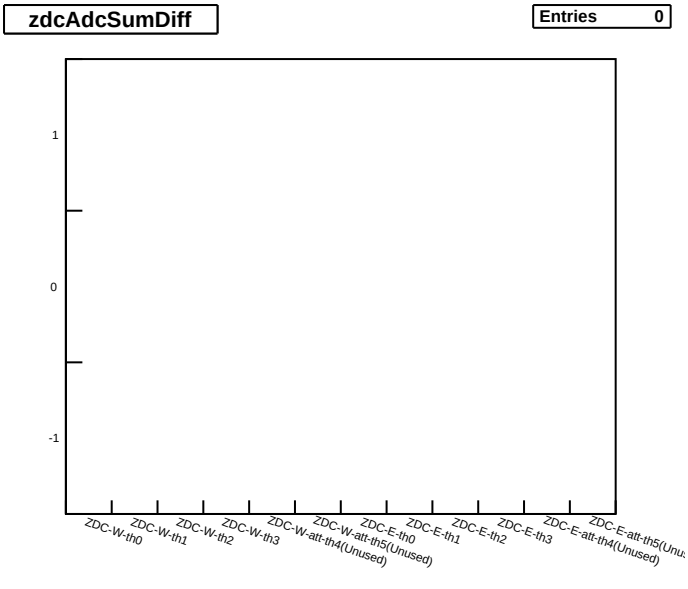
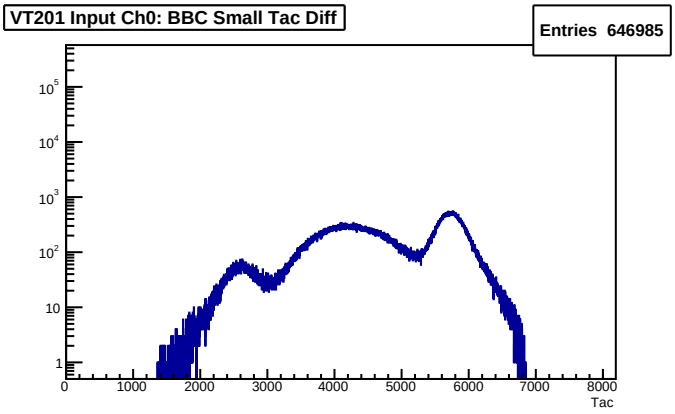
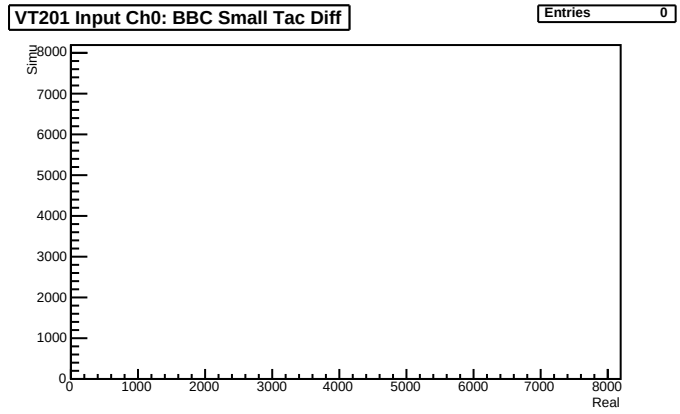
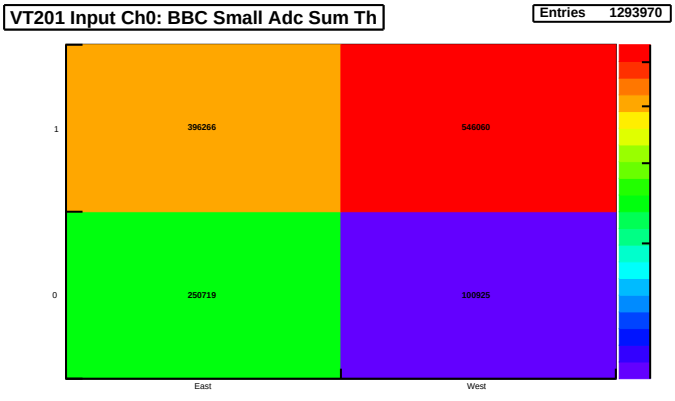
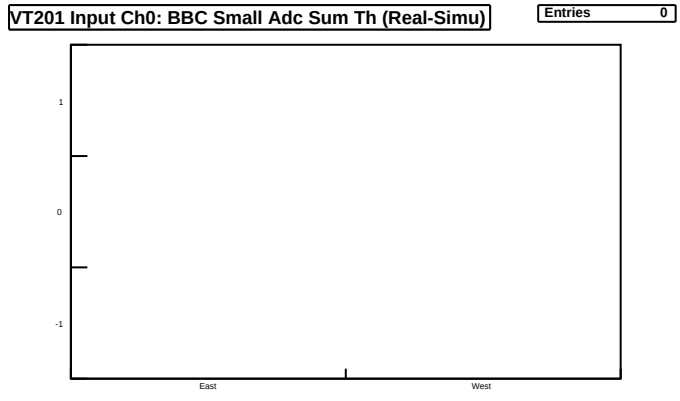
74
66
53
44
609025
642099
646967
646972
646982
646982
542413
641487
646911
646919
646932
646941
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

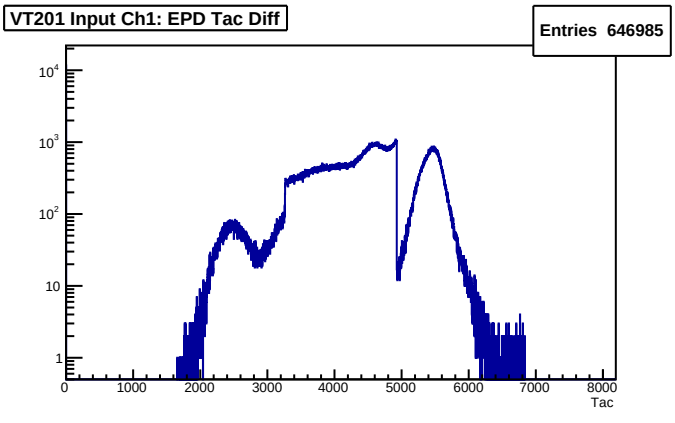

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

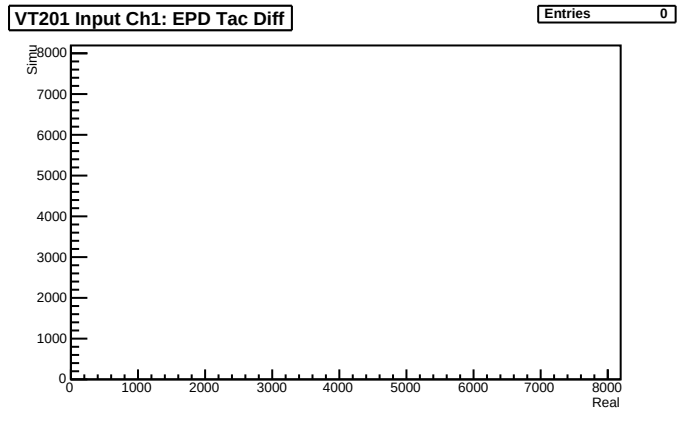

VT201 Input Ch0: BBC Small Tac Diff
Entries 646985
Tac

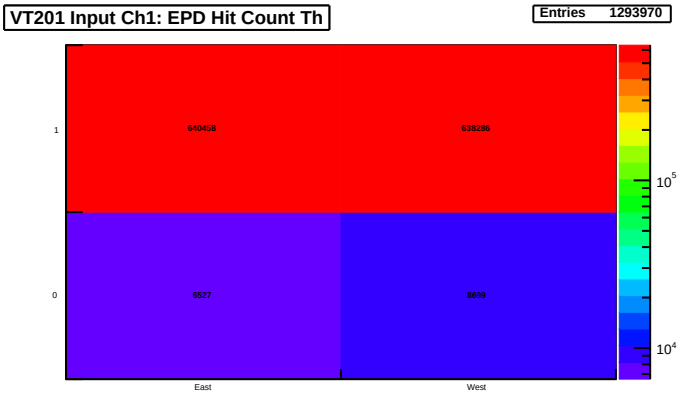

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

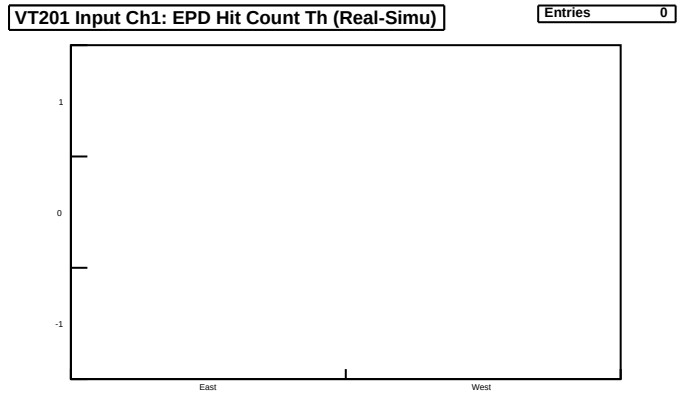

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1293970
396266
546060
250719
100925
East
West

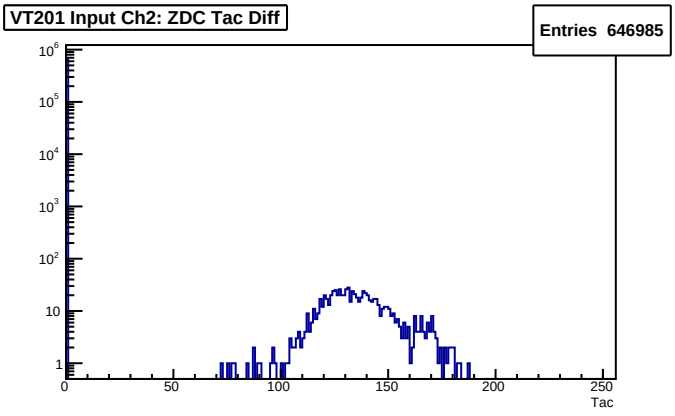

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

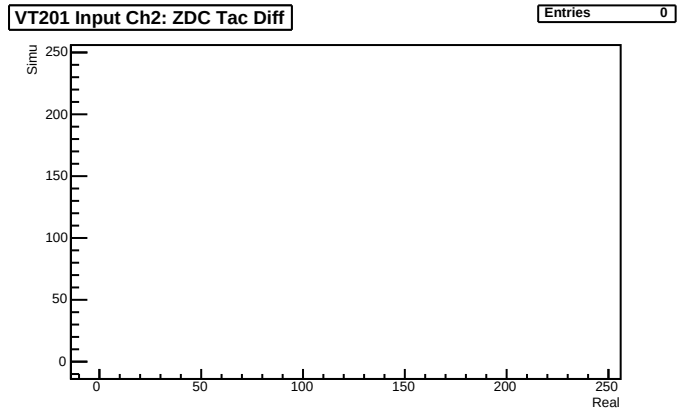

VT201 Input Ch1: EPD Tac Diff
Entries 646985
Tac

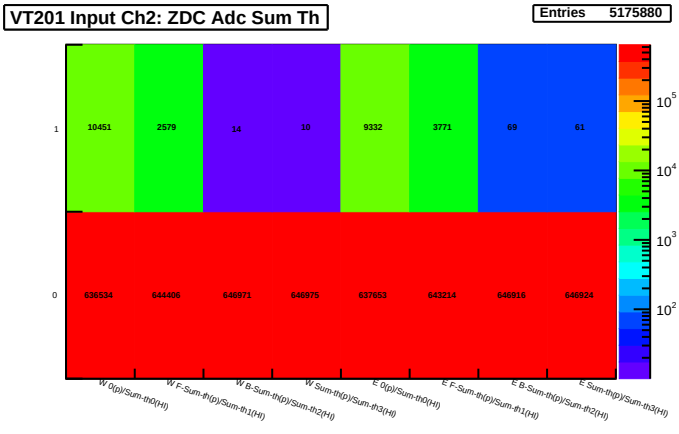

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

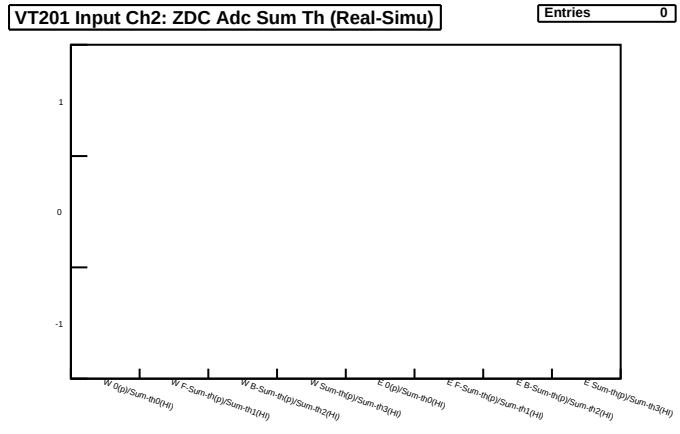

VT201 Input Ch1: EPD Hit Count Th
Entries 1293970
640458
638286
6527
8699
East
West

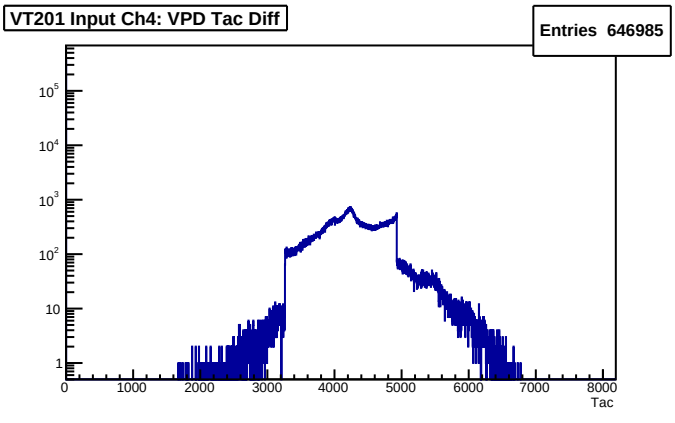

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

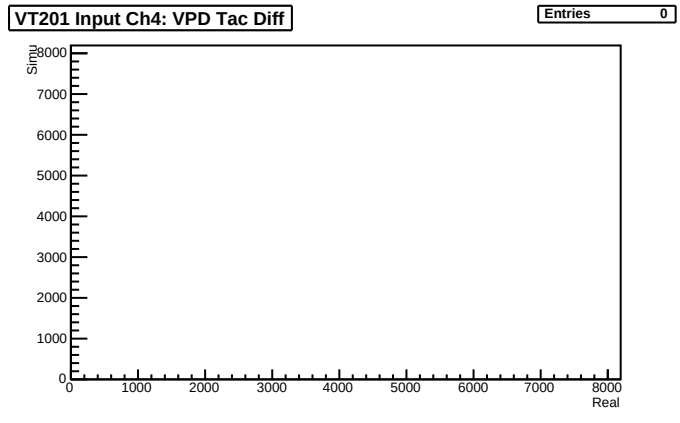

VT201 Input Ch2: ZDC Tac Diff
Entries 646985
Tac

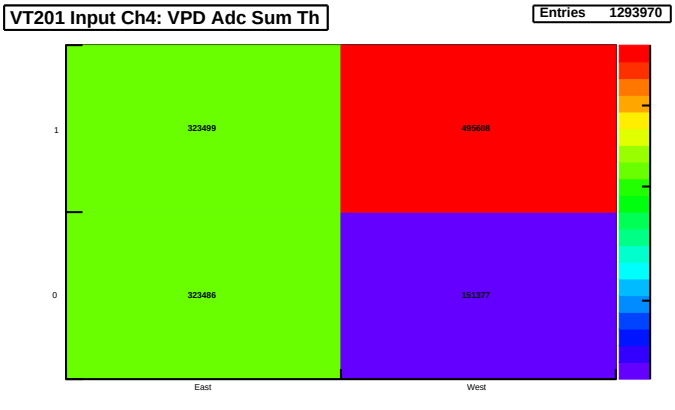

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

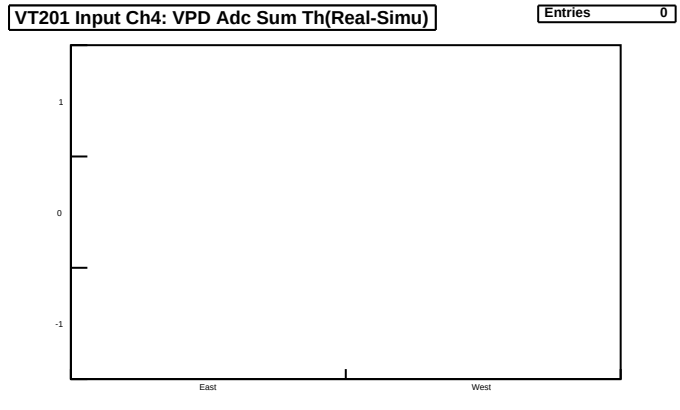

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5175880
10451
2579
14
10
9332
3771
69
61
636534
644406
646971
646975
637653
643214
646916
646924
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

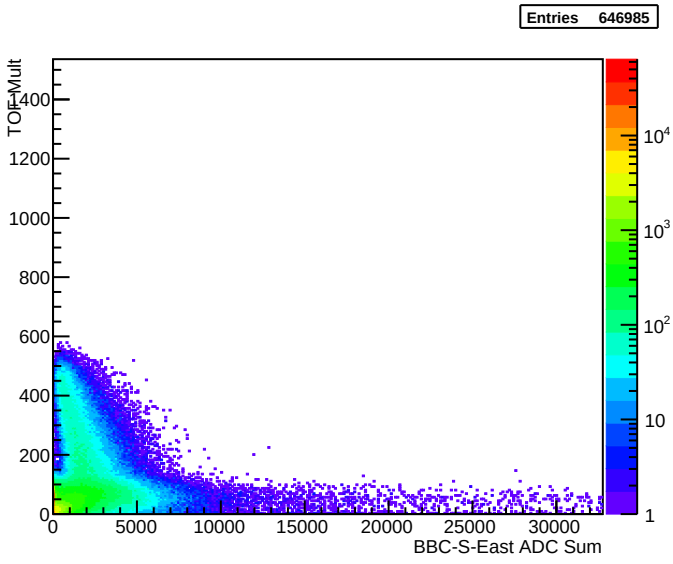

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

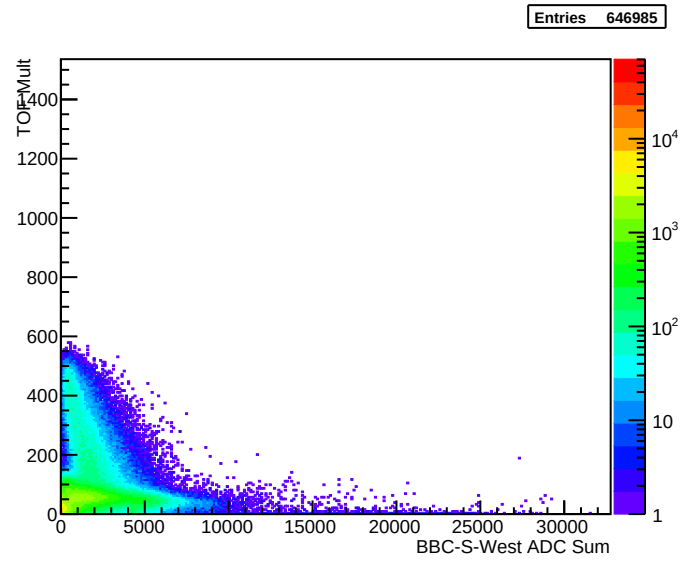

VT201 Input Ch4: VPD Tac Diff
Entries 646985
Tac

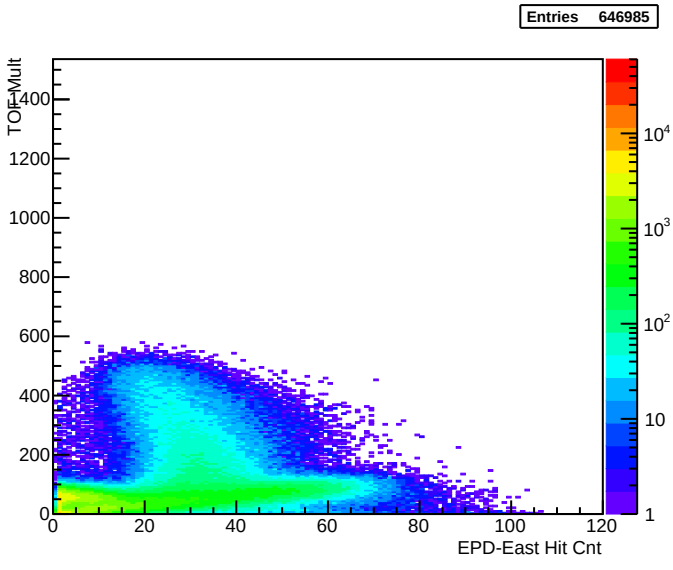

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

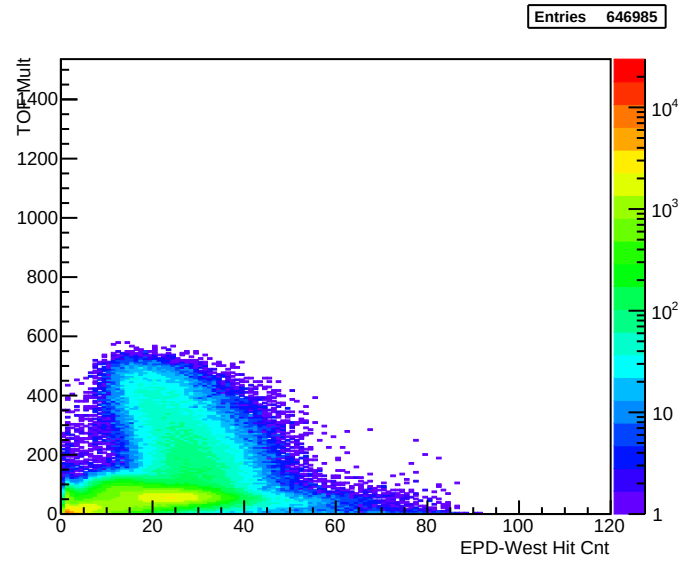

VT201 Input Ch4: VPD Adc Sum Th
Entries 1293970
323499
495608
323486
151377
East
West

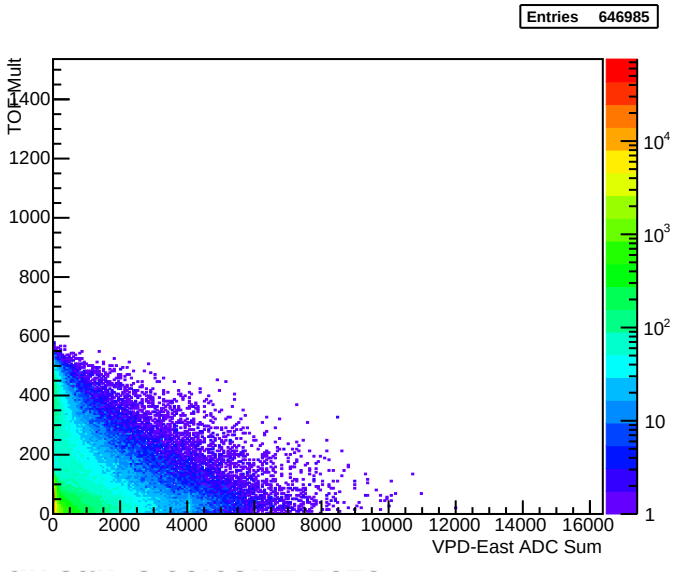

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

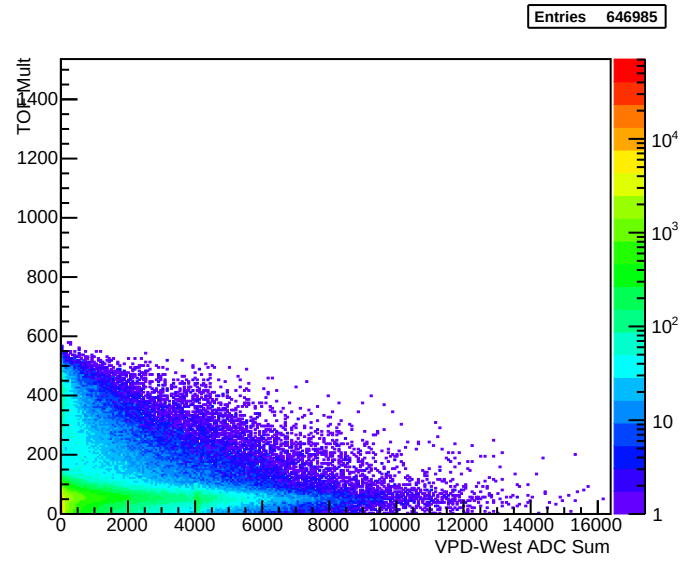

Entries 646985
TOF-Mult
BBC-S-East ADC Sum

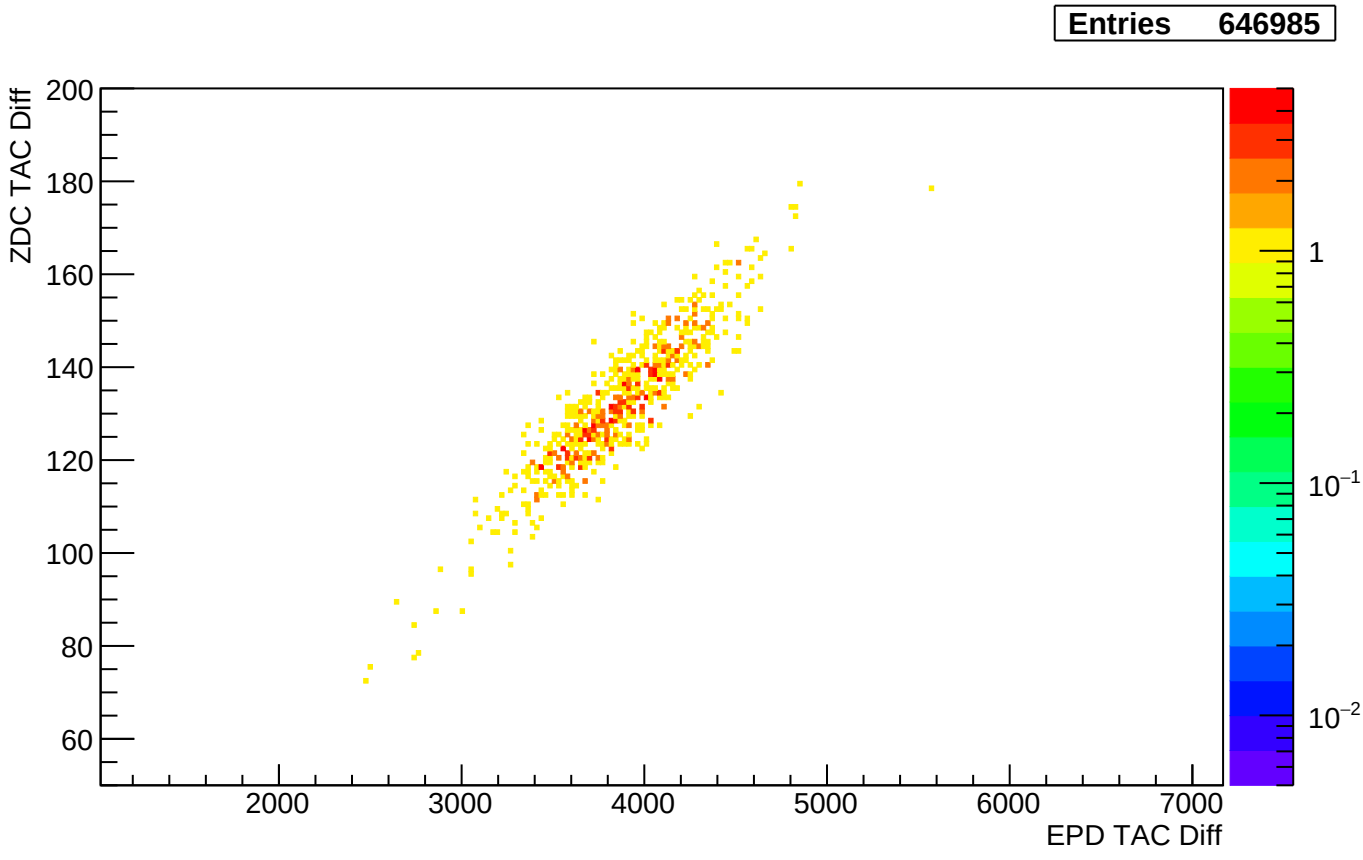

Entries 646985
TOF-Mult
BBC-S-West ADC Sum

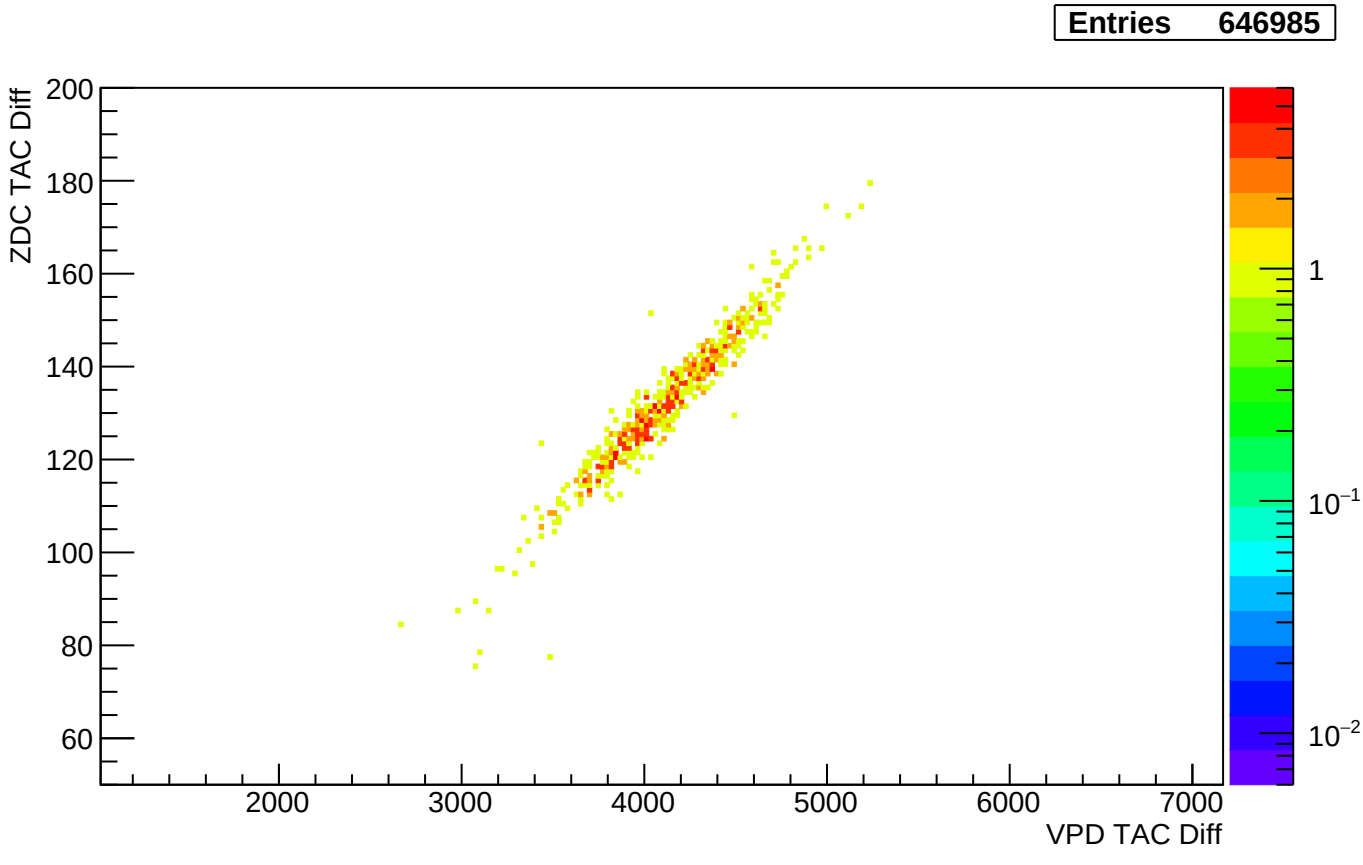

Entries 646985
TOF-Mult
EPD-East Hit Cnt

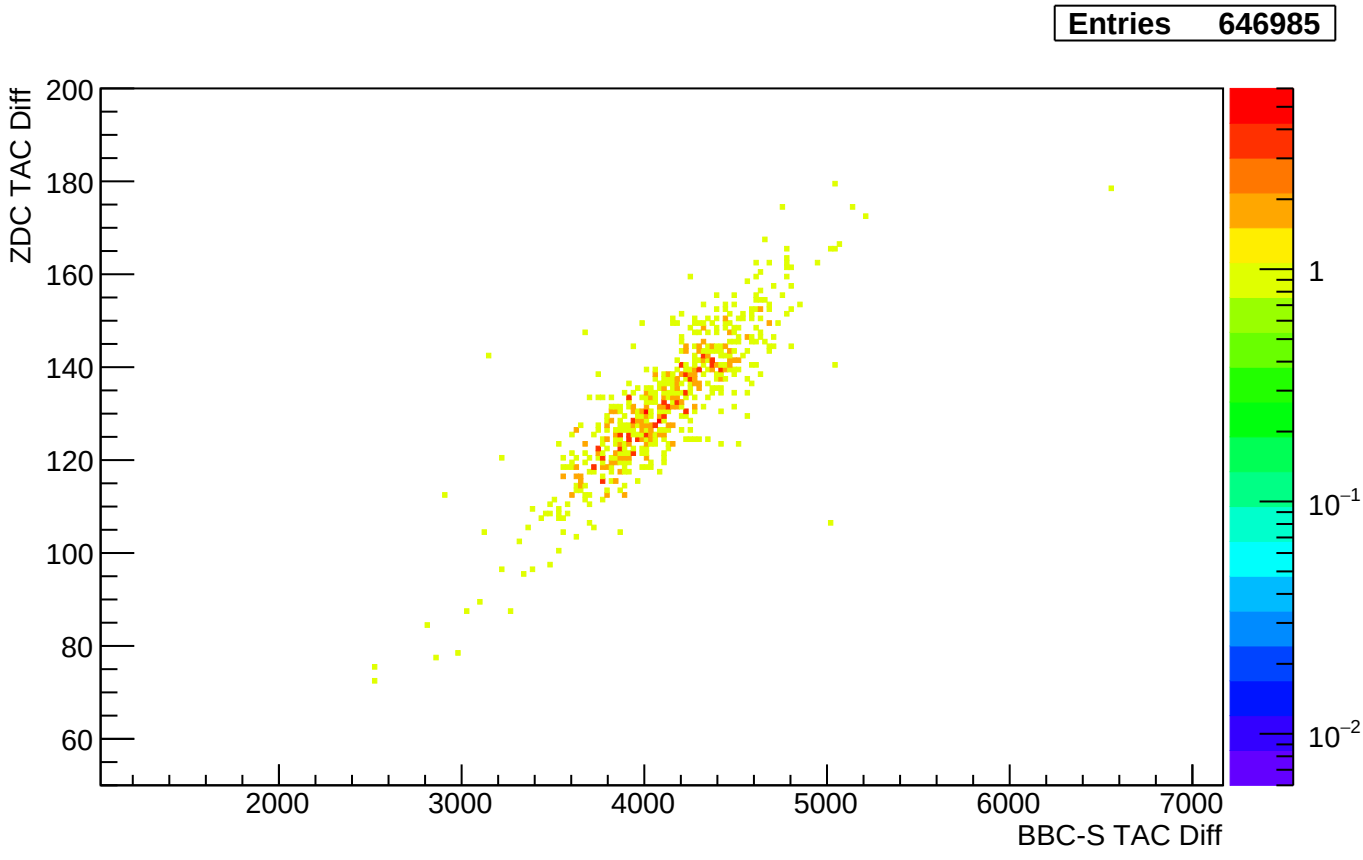

Entries 646985
TOF-Mult
EPD-West Hit Cnt

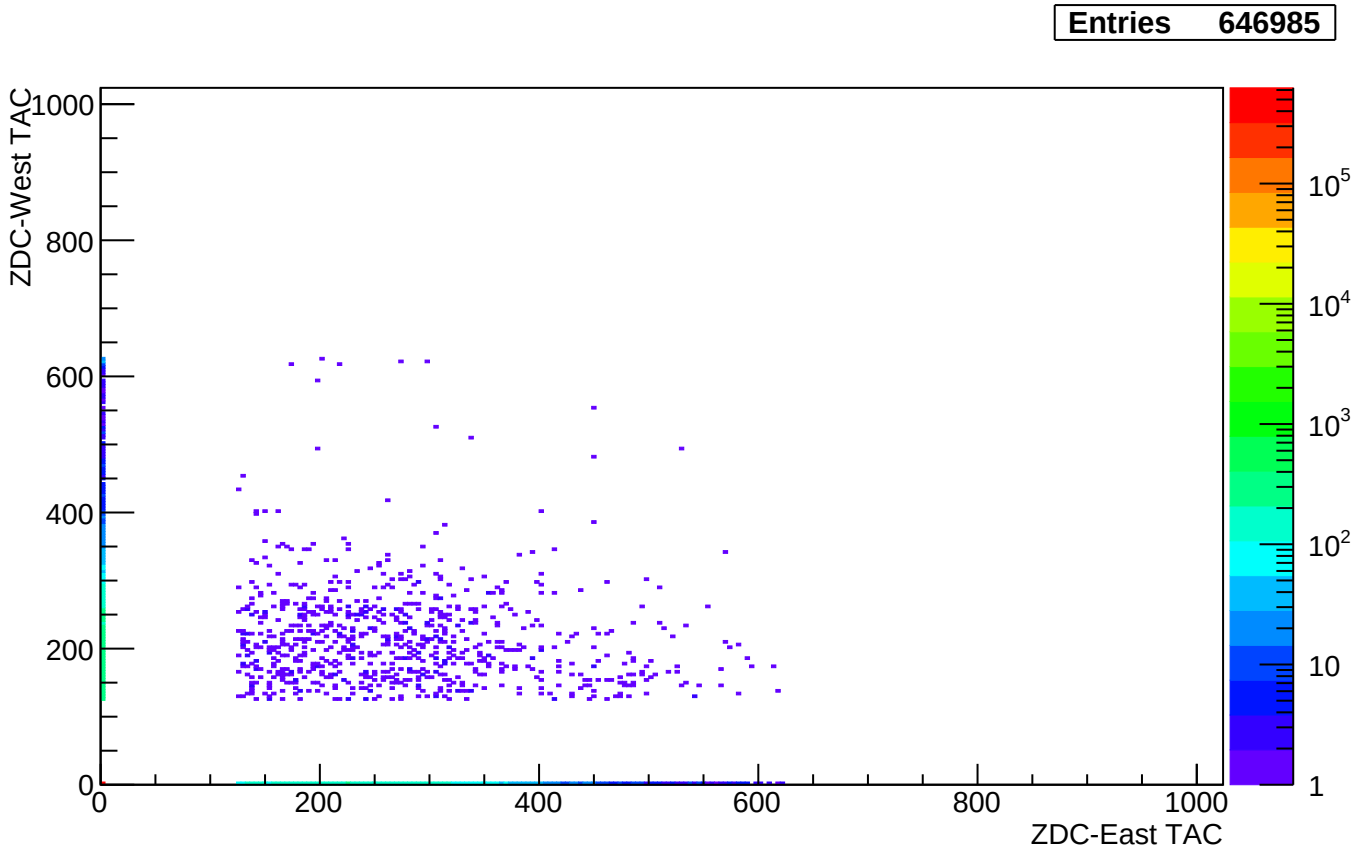

Entries 646985
TOF-Mult
VPD-East ADC Sum

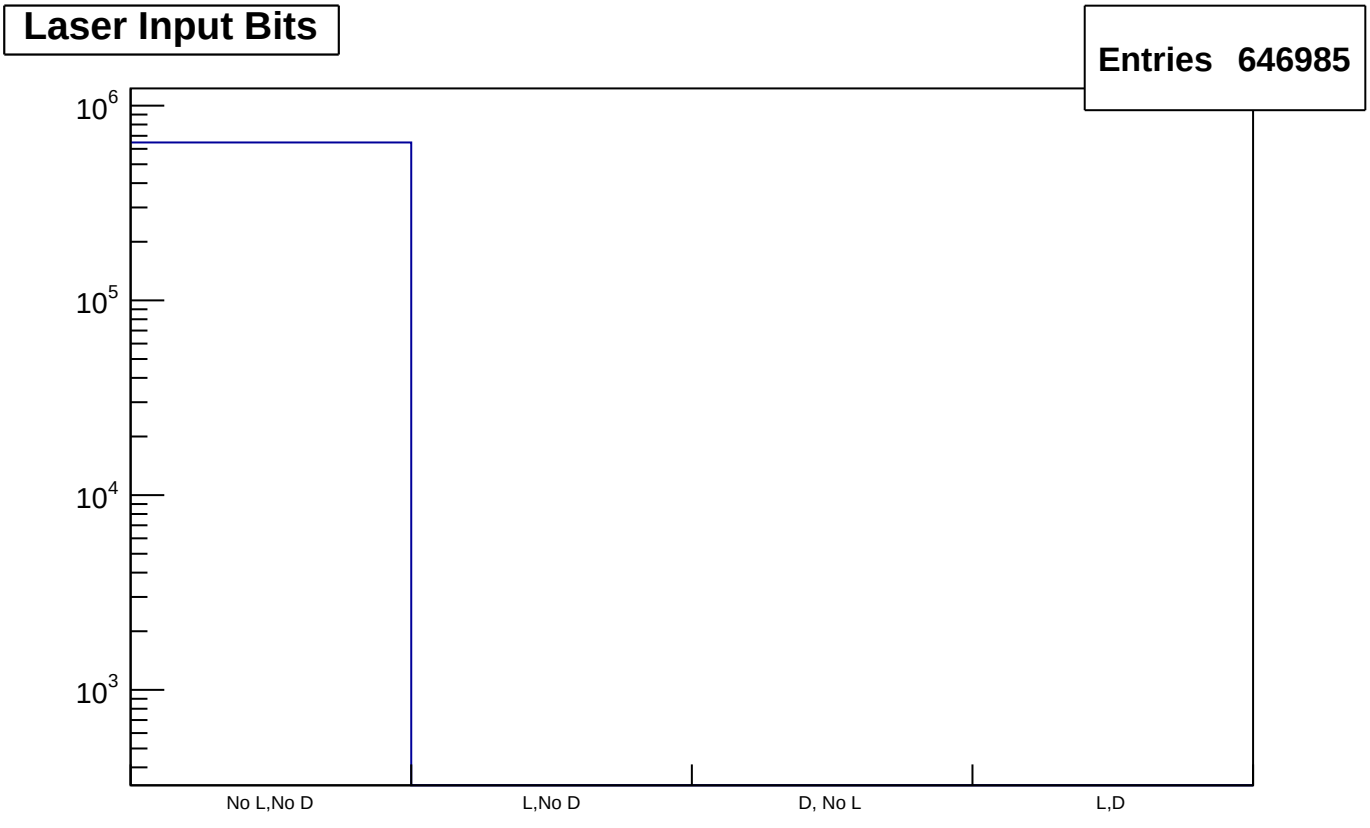

Entries 646985
TOF-Mult
VPD-West ADC Sum

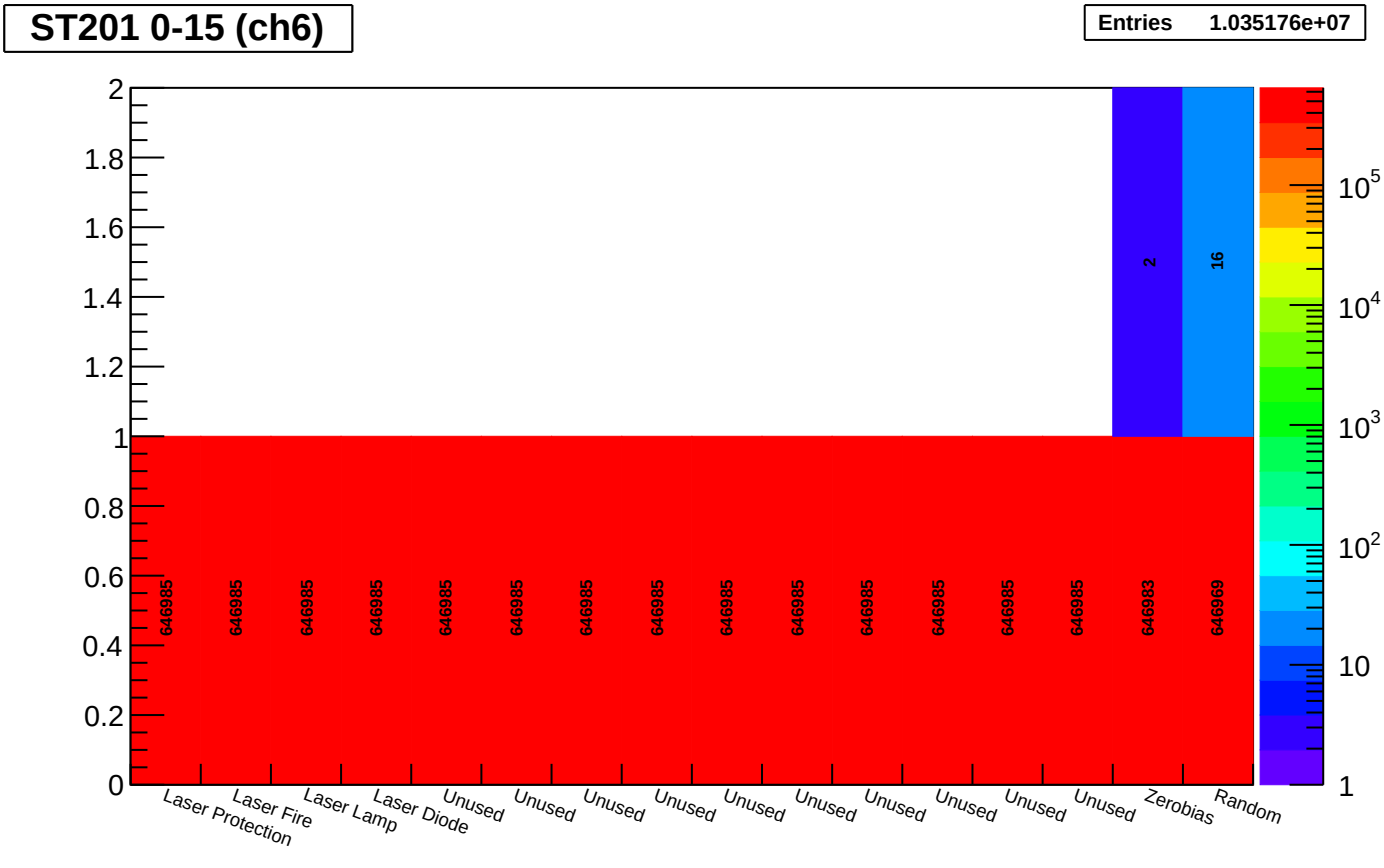

Entries 646985
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

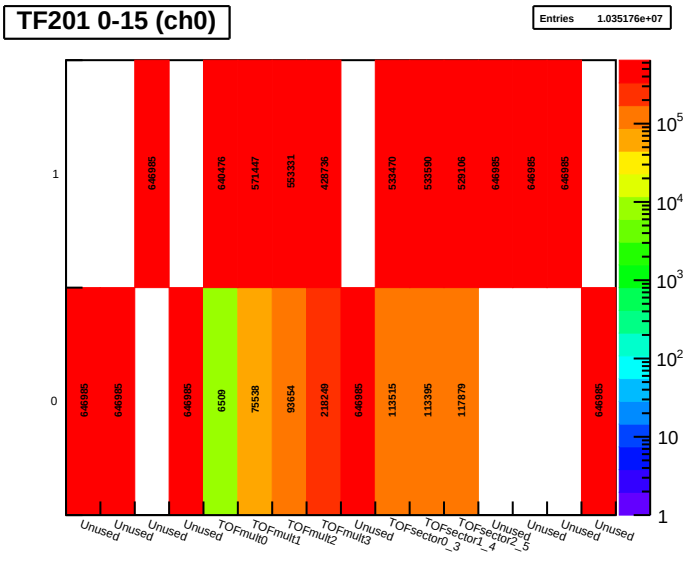

Entries 646985
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

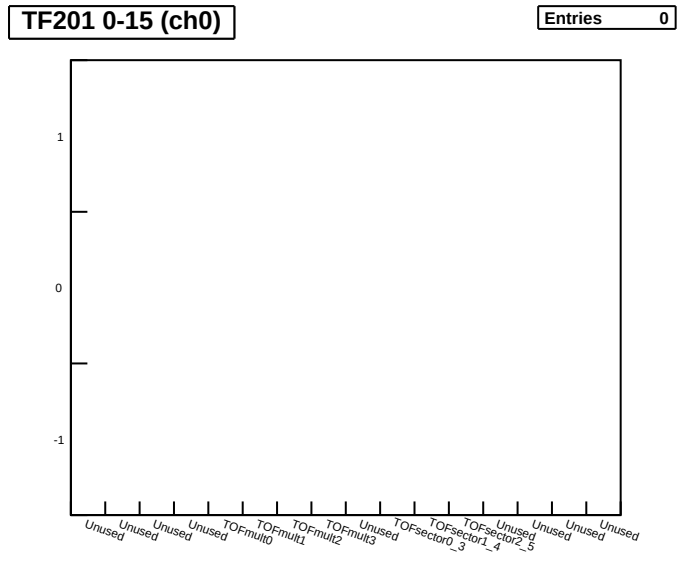

Entries 646985
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

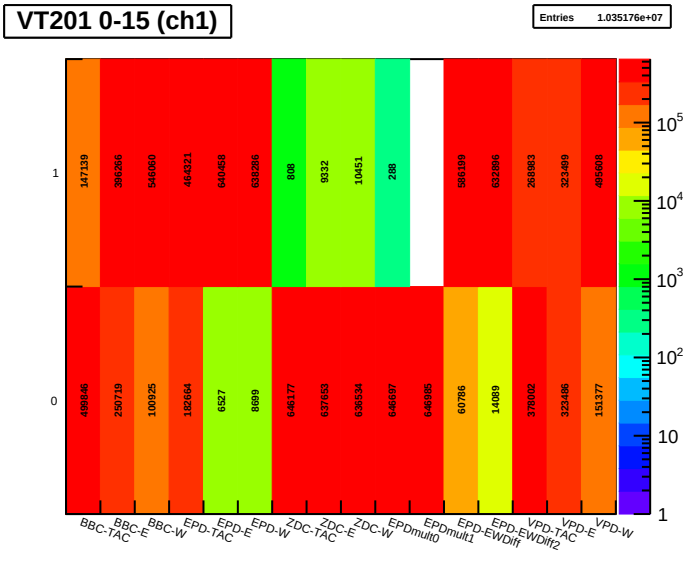

Entries 646985
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

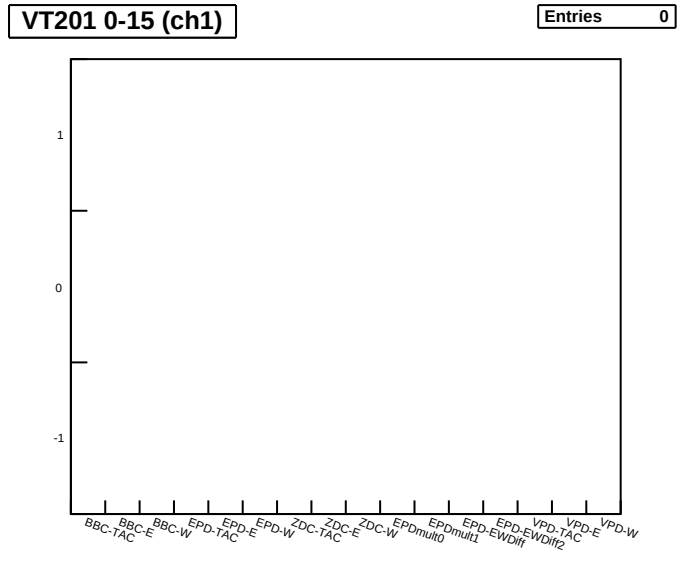

Laser Input Bits
Entries 646985
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

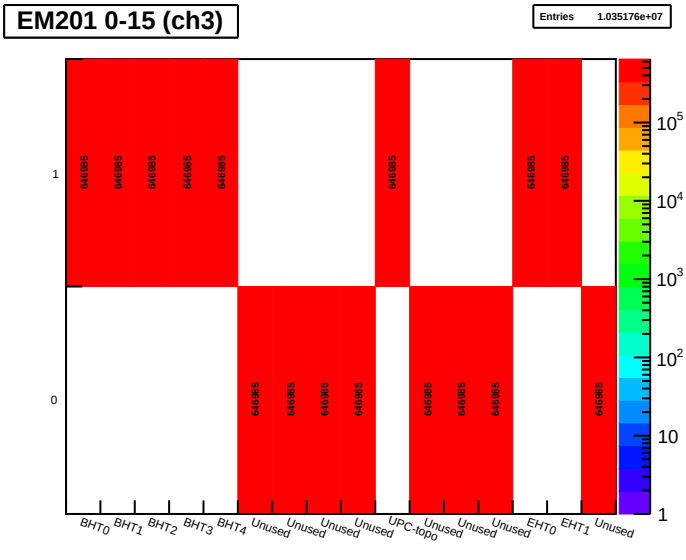

ST201 0-15 (ch6)
Entries 1.035176e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646983
646969
2
16
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 1.035176e+07
1
0
646985
640476
571447
553331
428736
533470
533590
529106
646985
646985
646985
646985
646985
646985
6509
75538
93654
218249
646985
113515
113395
117879
646985
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 1.035176e+07
1
0
147139
396266
546060
464321
640458
638286
808
9332
10451
288
586199
632896
268983
323499
495608
499846
250719
100925
182664
6527
8699
646177
637653
636534
646697
646985
60786
14089
378002
323486
151377
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 1.035176e+07
1
0
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
646985
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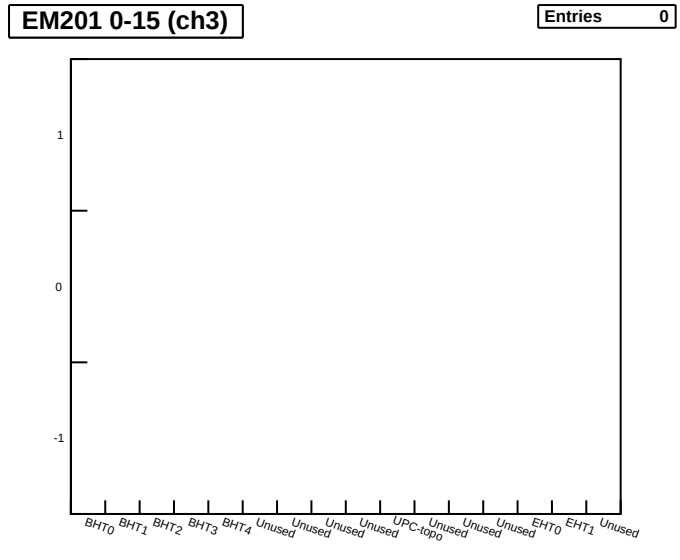
646985
646985
646985
646985
646985
646985
646985
646985
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused