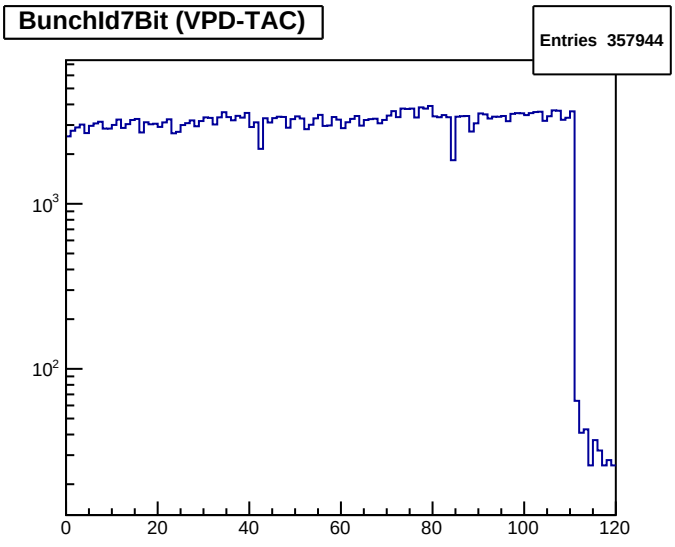
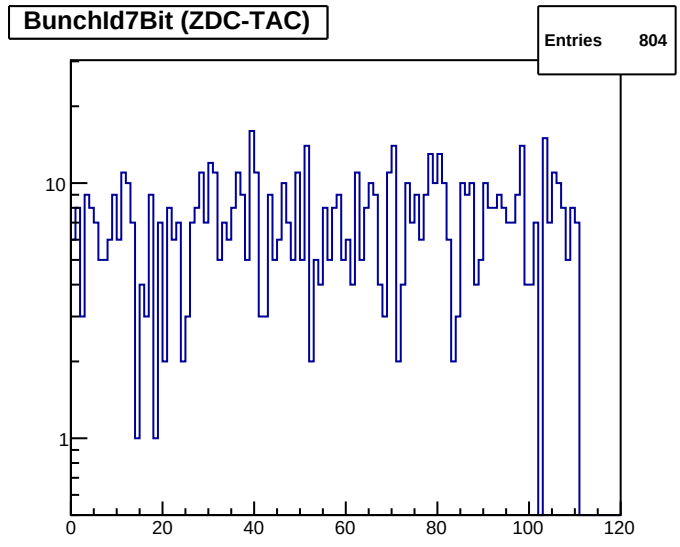
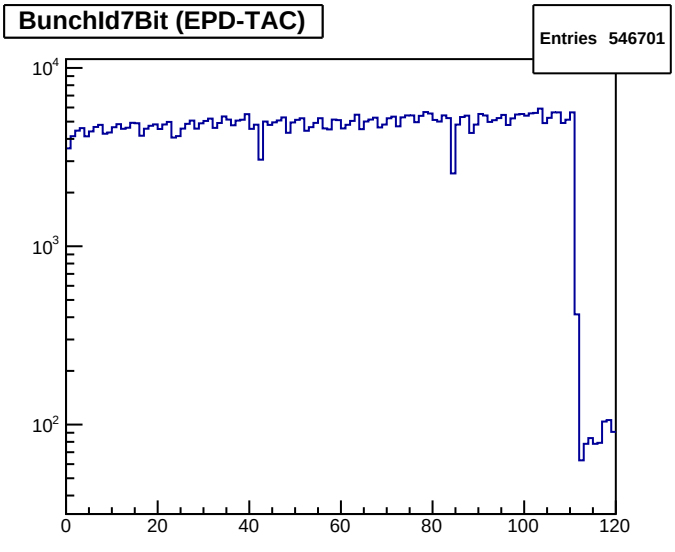
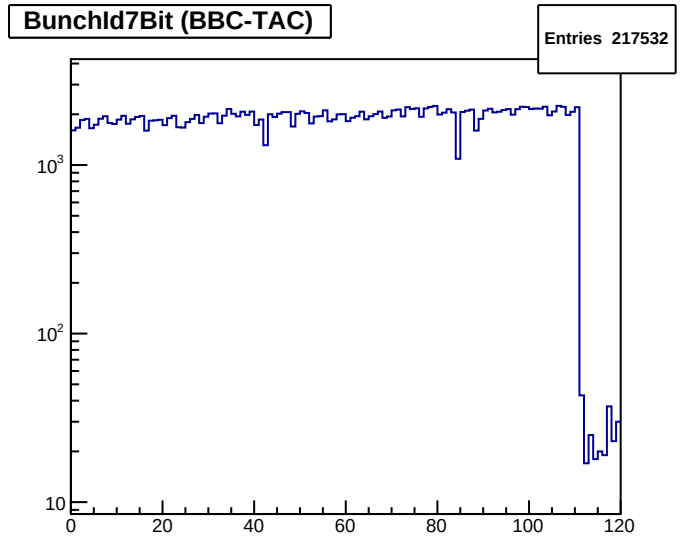
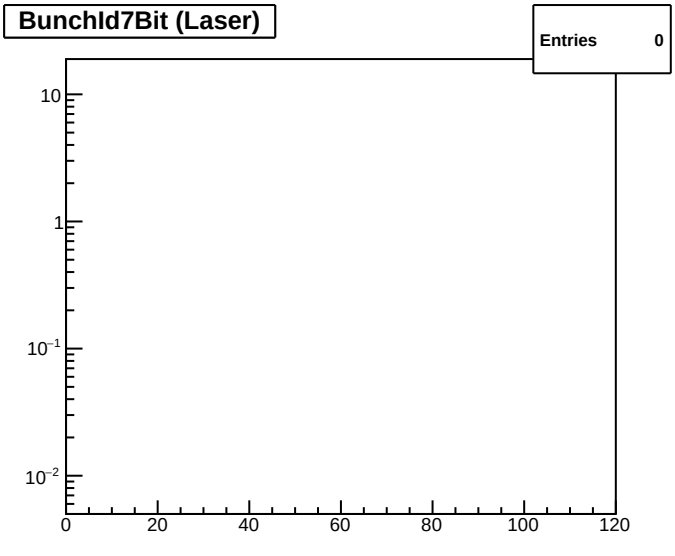
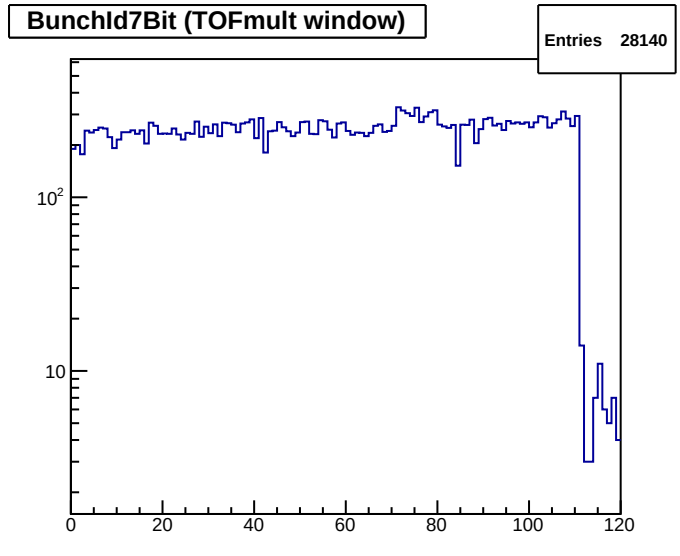

BunchId7Bit (VPD-TAC)
Entries 357944
10^3
10^2
0 20 40 60 80 100 120

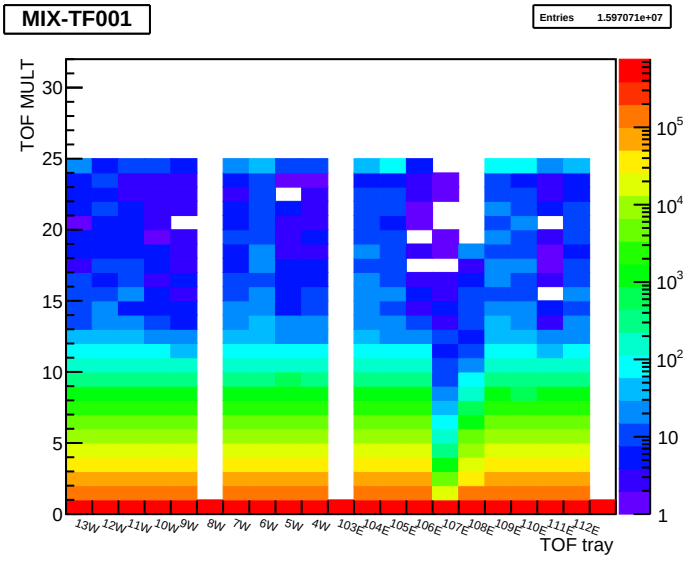

BunchId7Bit (ZDC-TAC)
Entries 804
10
1
0 20 40 60 80 100 120

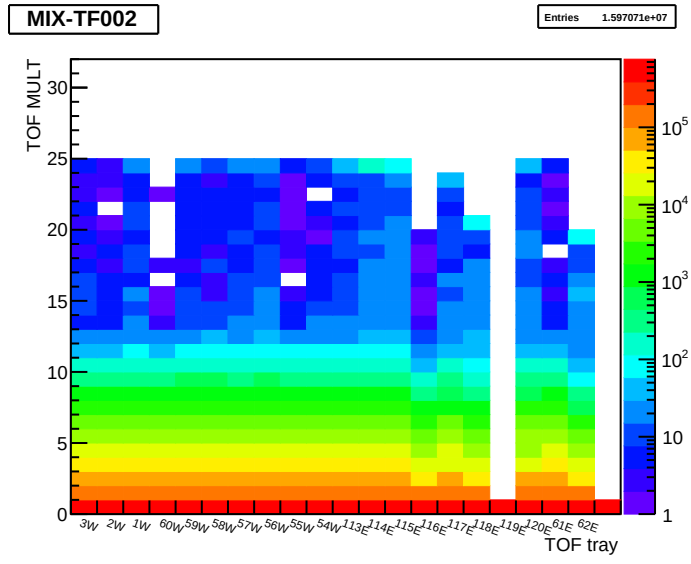

BunchId7Bit (EPD-TAC)
Entries 546701
10^4
10^3
10^2
0 20 40 60 80 100 120

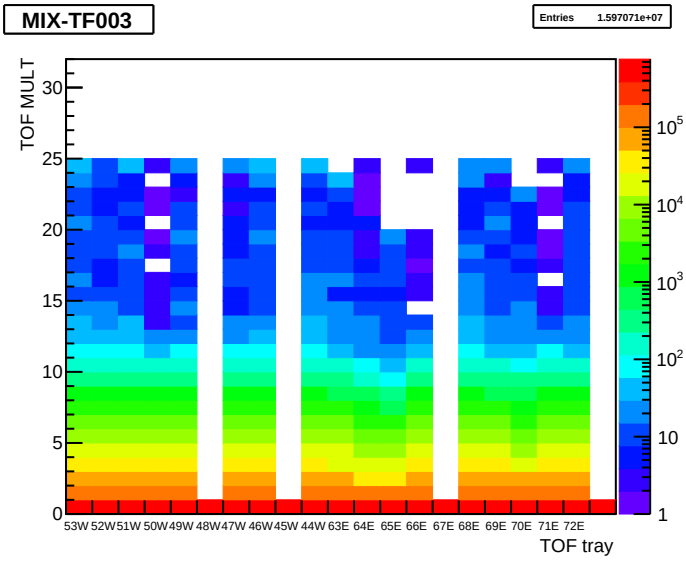

BunchId7Bit (BBC-TAC)
Entries 217532
10^3
10^2
10
0 20 40 60 80 100 120

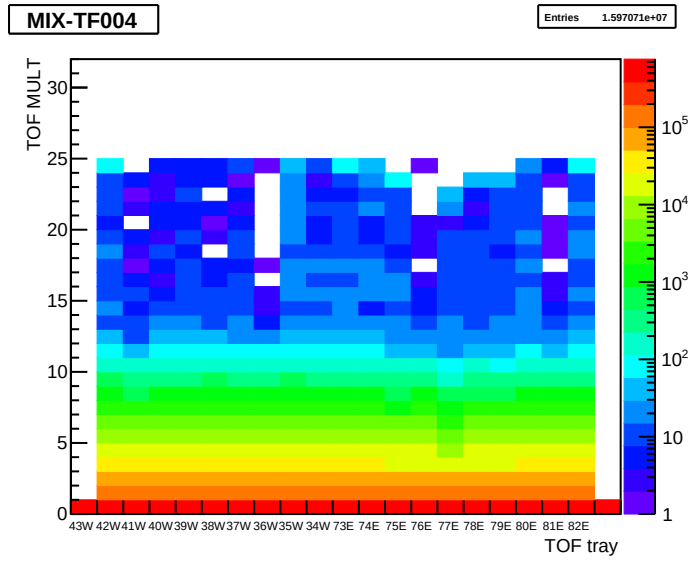

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

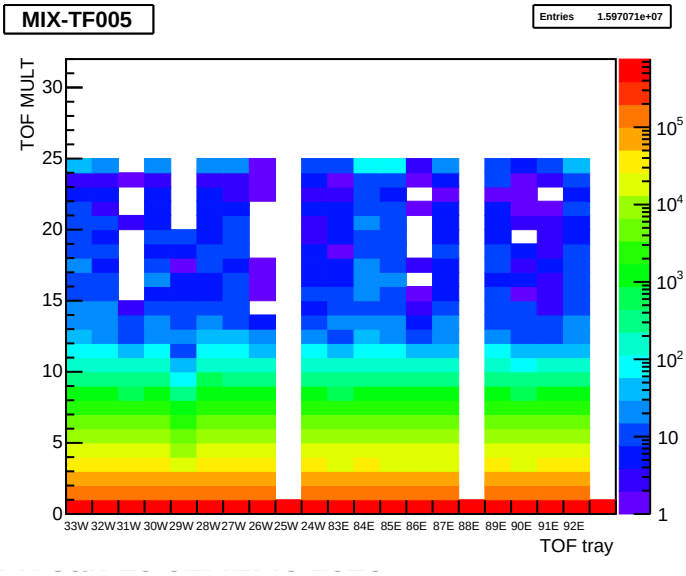

BunchId7Bit (TOFmult window)
Entries 28140
10^2
10
0 20 40 60 80 100 120

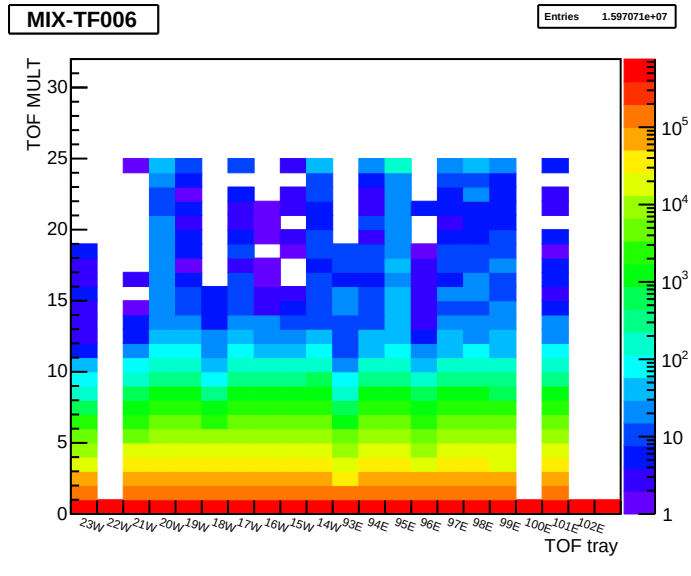

MIX-TF001
Entries 1.597071e+07
TOF MULT
TOF tray

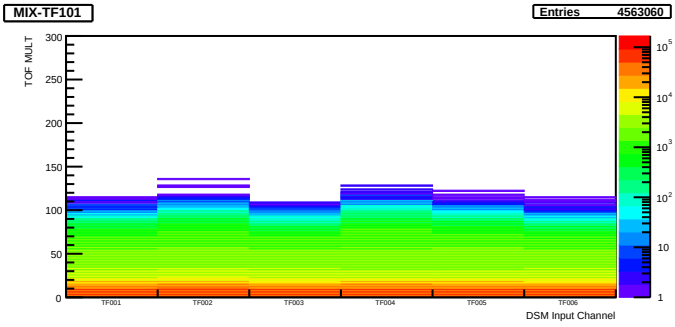

MIX-TF002
Entries 1.597071e+07
TOF MULT
TOF tray

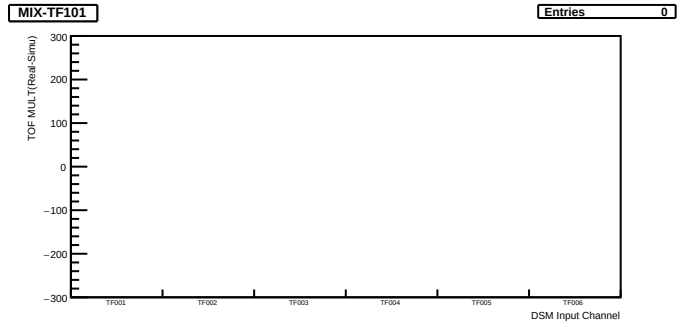

MIX-TF003
Entries 1.597071e+07
TOF MULT
TOF tray

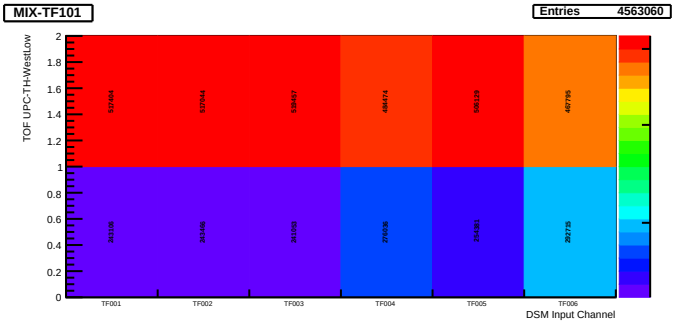

MIX-TF004
Entries 1.597071e+07
TOF MULT
TOF tray

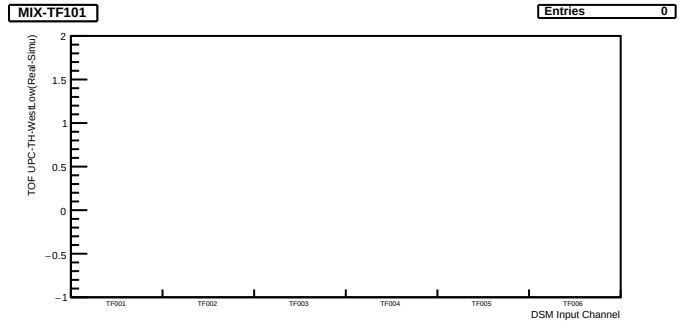

MIX-TF005
Entries 1.597071e+07
TOF MULT
TOF tray

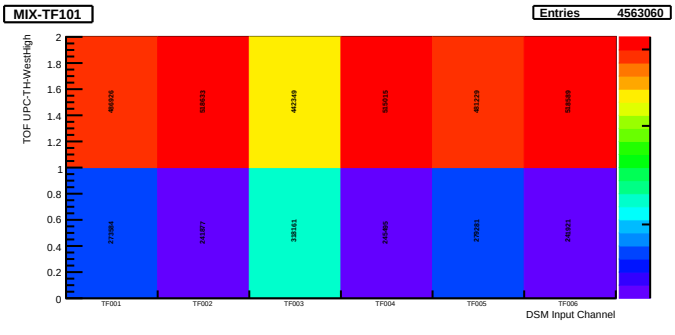

MIX-TF006
Entries 1.597071e+07
TOF MULT
TOF tray

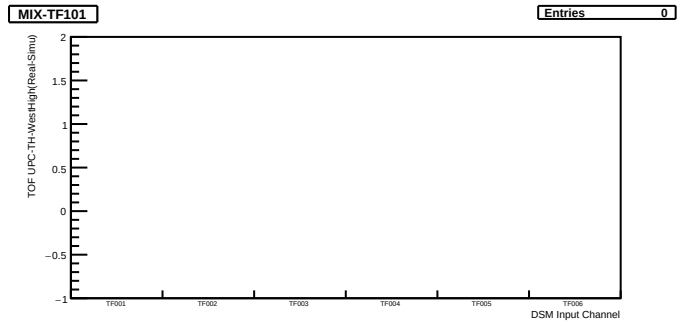

MIX-TF101
Entries 4563060
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

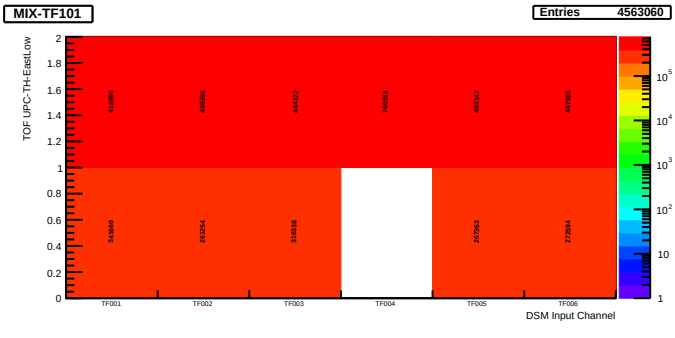

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

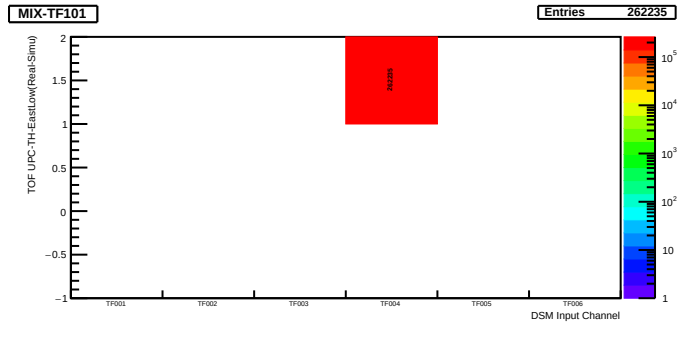

MIX-TF101
Entries 4563060
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

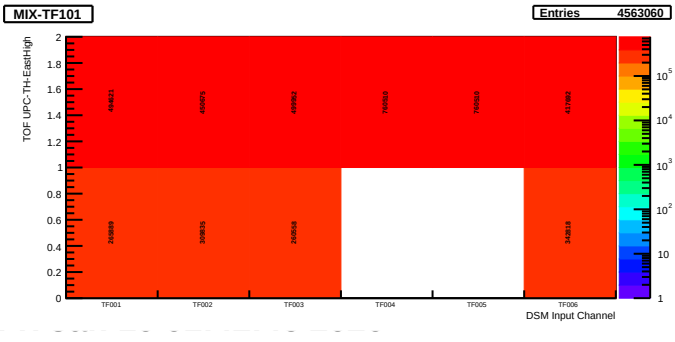

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

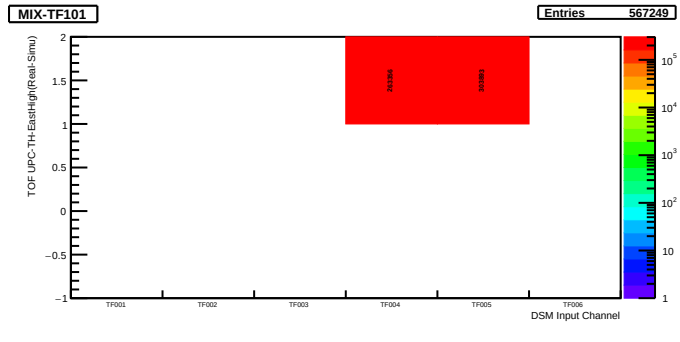

MIX-TF101
Entries 4563060
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

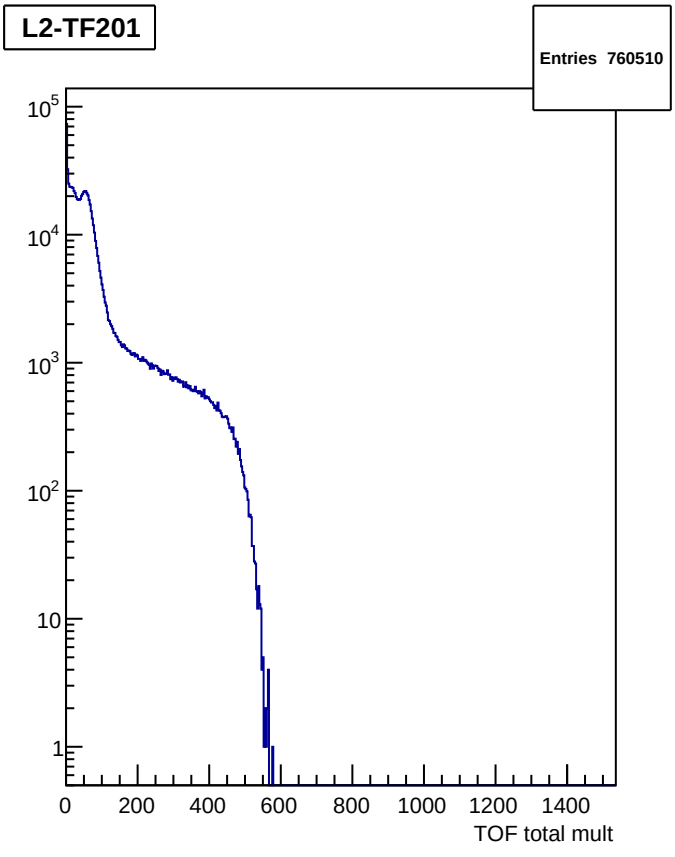

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

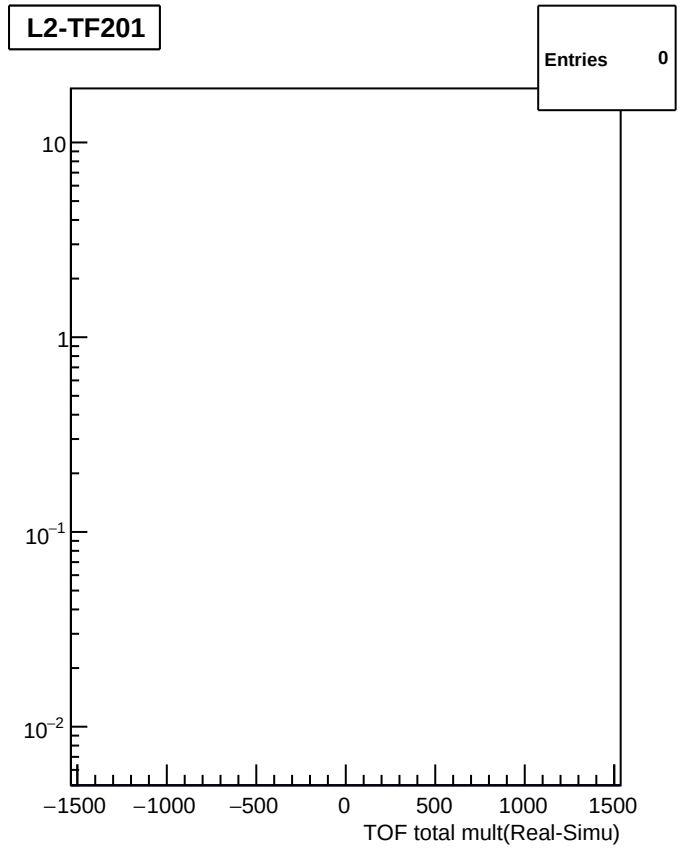

MIX-TF101
Entries 4563060
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

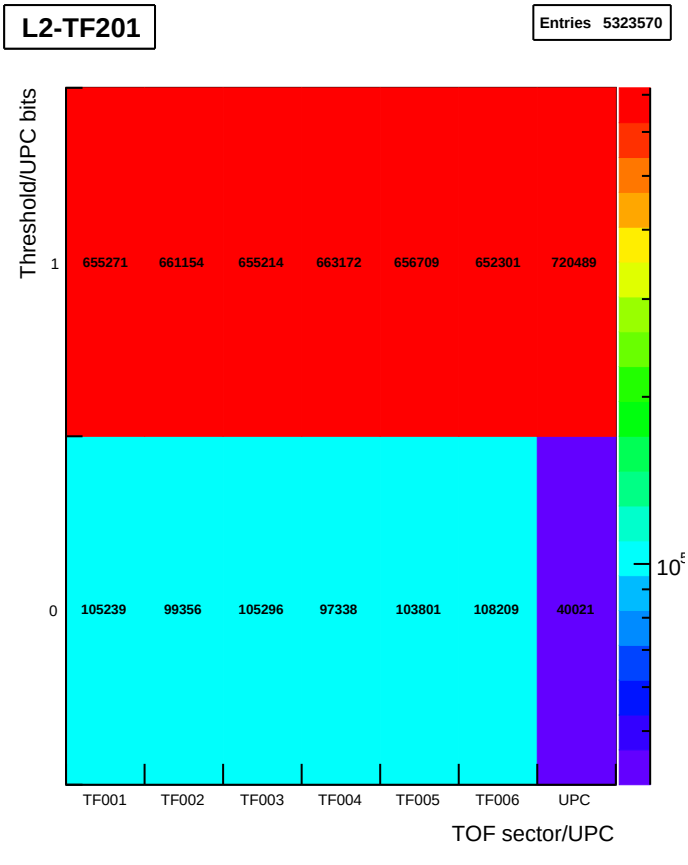

MIX-TF101
Entries 262235
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

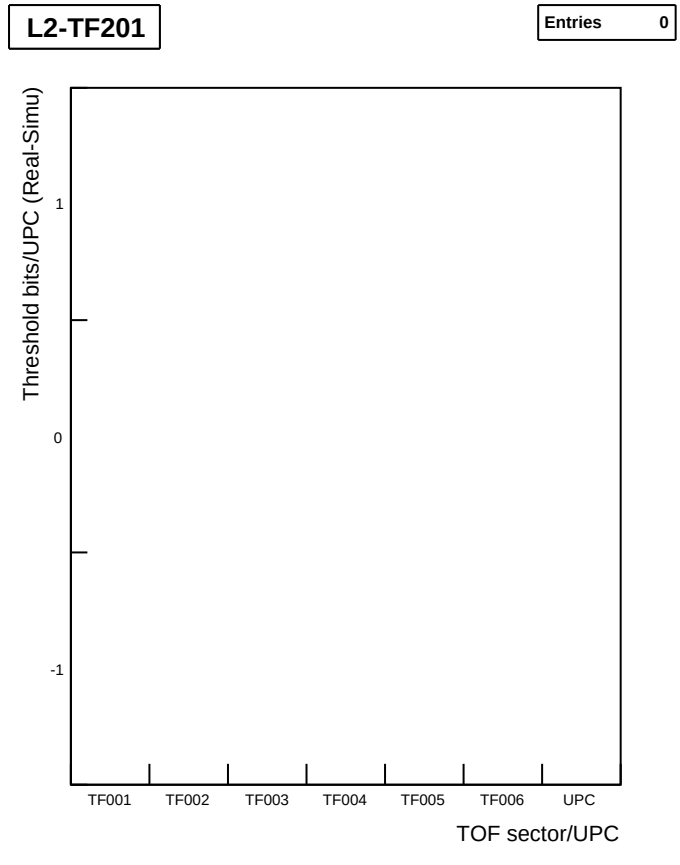

MIX-TF101
Entries 4563060
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

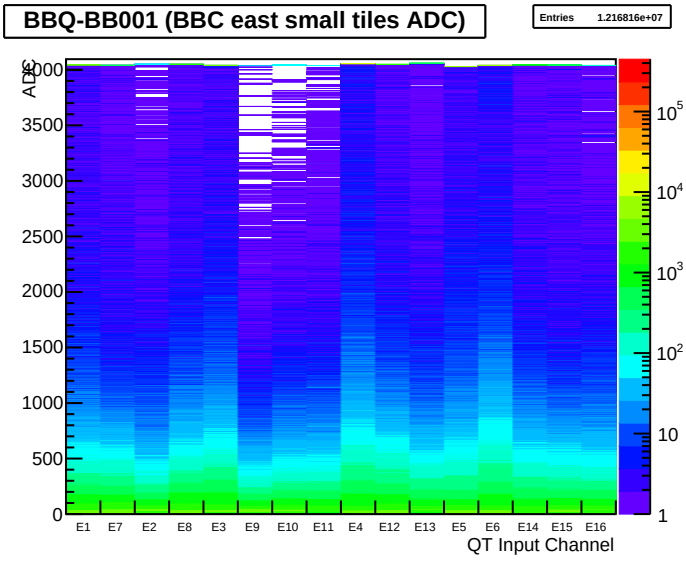

MIX-TF101
Entries 567249
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

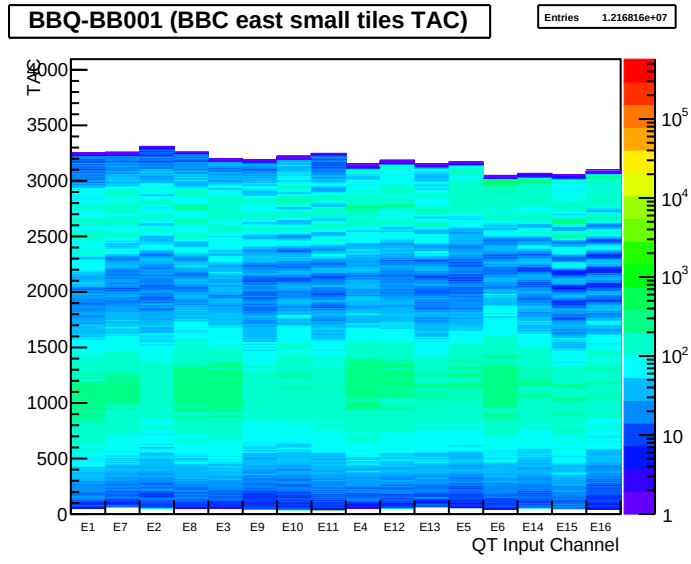

L2-TF201
Entries 760510
TOF total mult

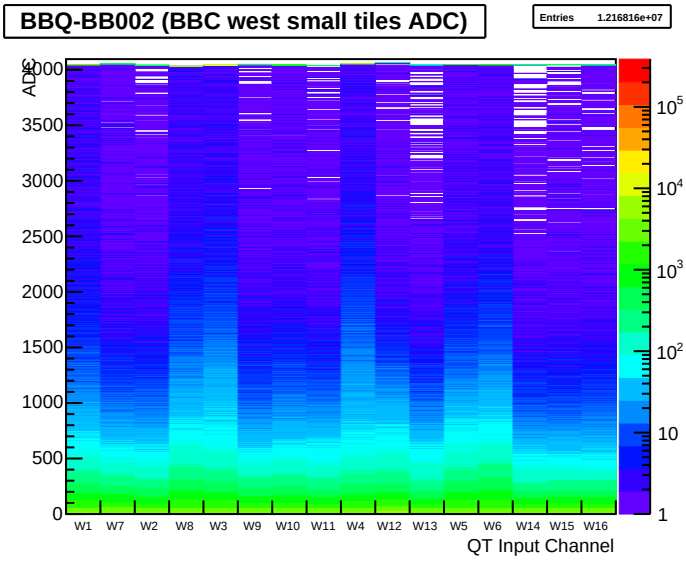

L2-TF201
Entries 0
TOF total mult(Real-Simu)

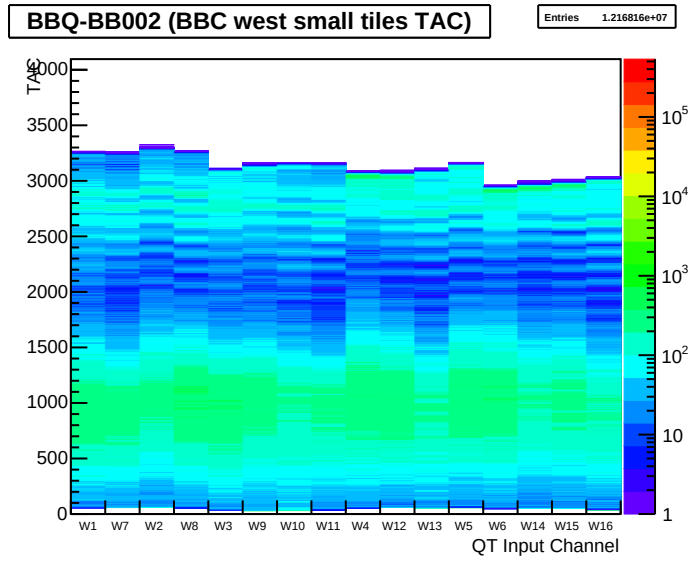

L2-TF201
Entries 5323570
Threshold/UPC bits
655271 661154 655214 663172 656709 652301 720489
105239 99356 105296 97338 103801 108209 40021
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

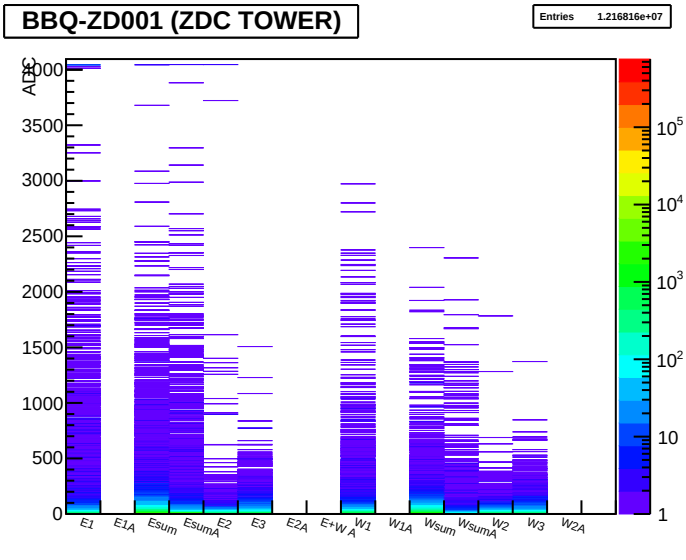

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

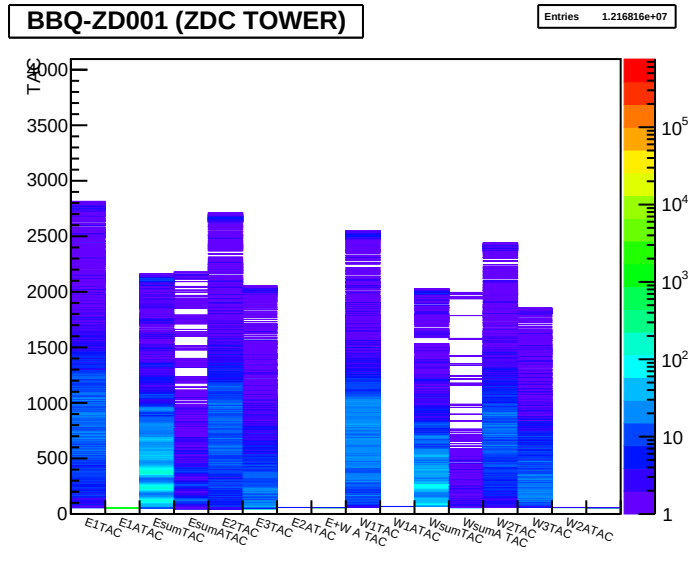

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.216816e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

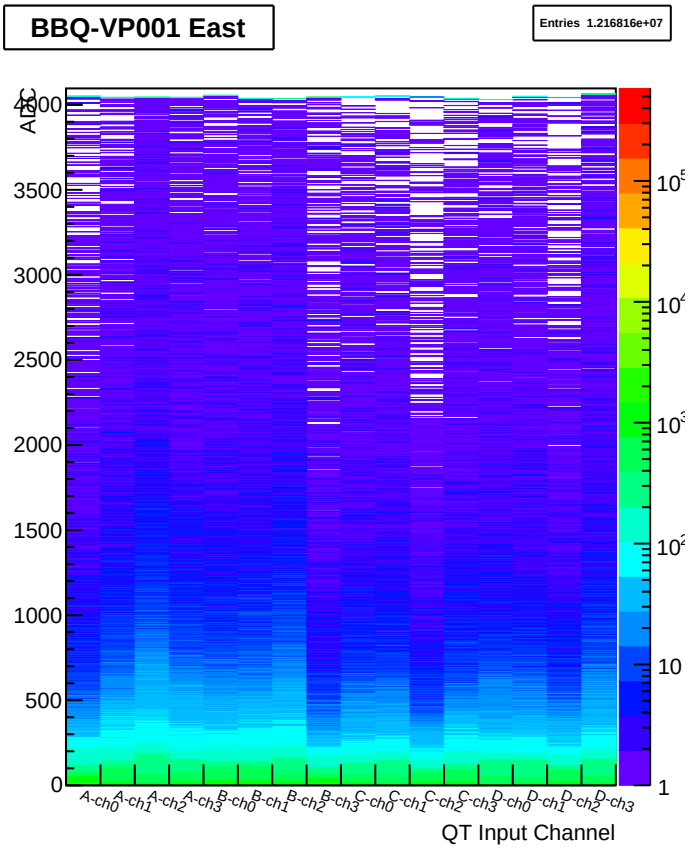

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.216816e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

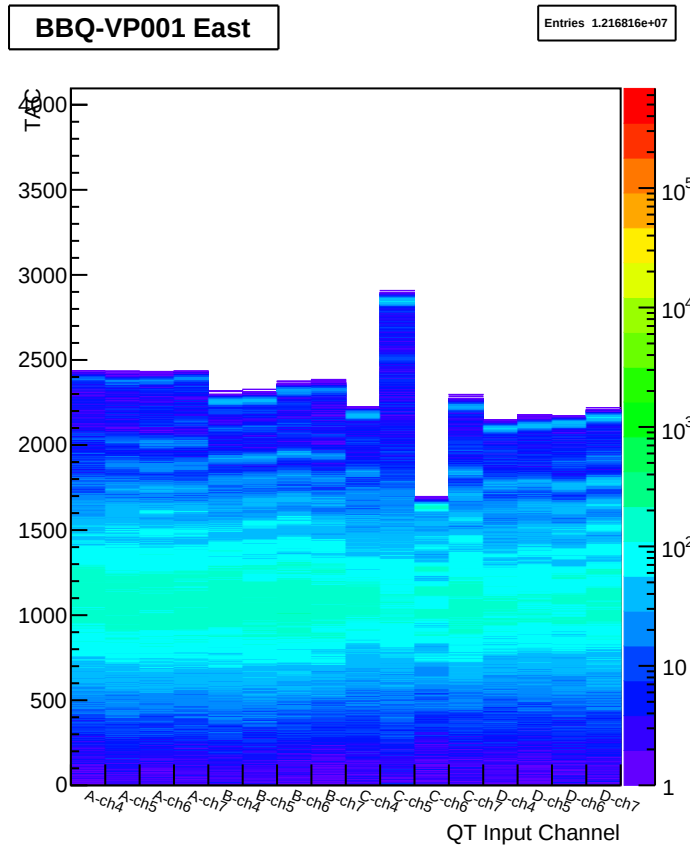

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.216816e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

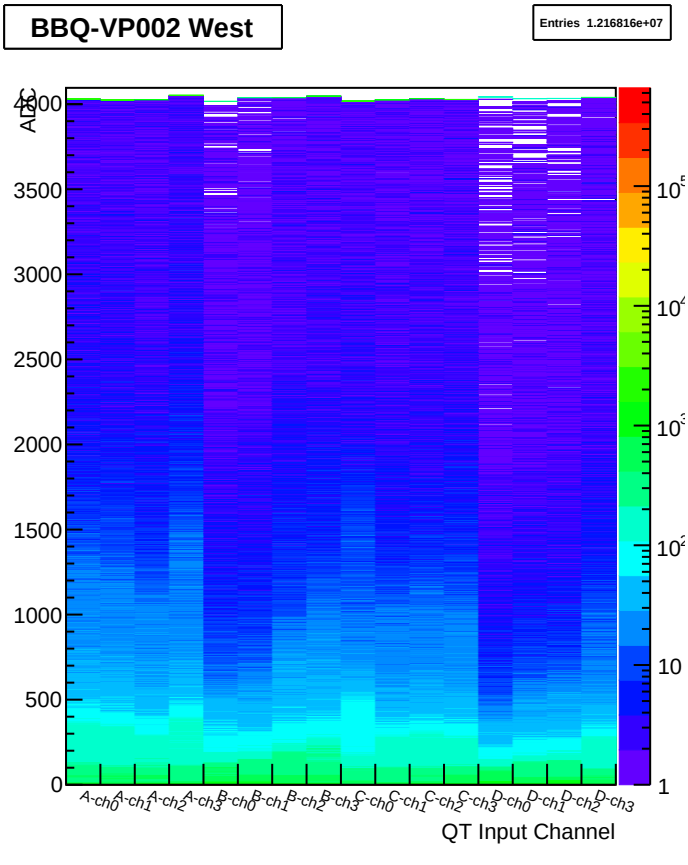

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.216816e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

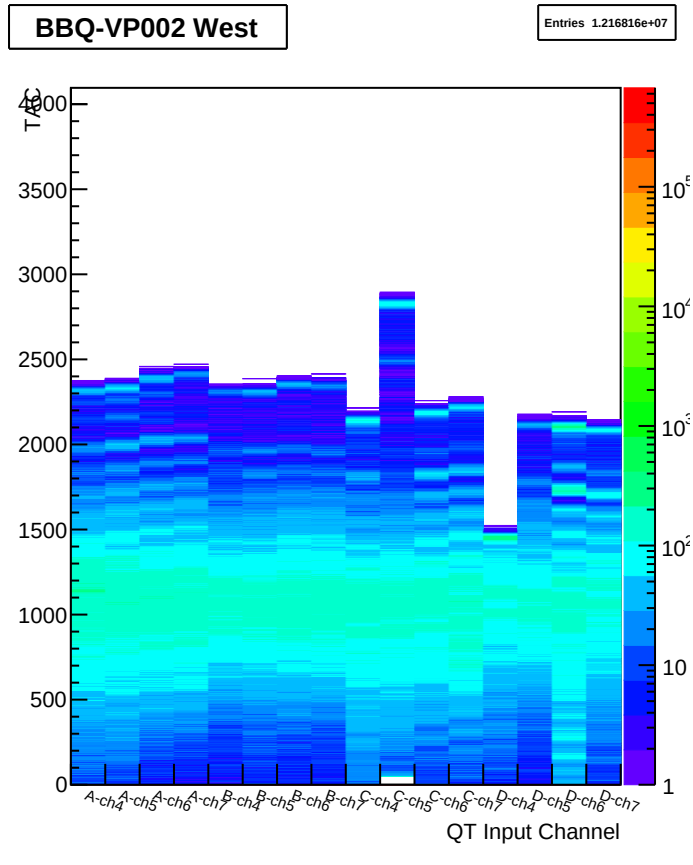

BBQ-ZD001 (ZDC TOWER)
Entries 1.216816e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

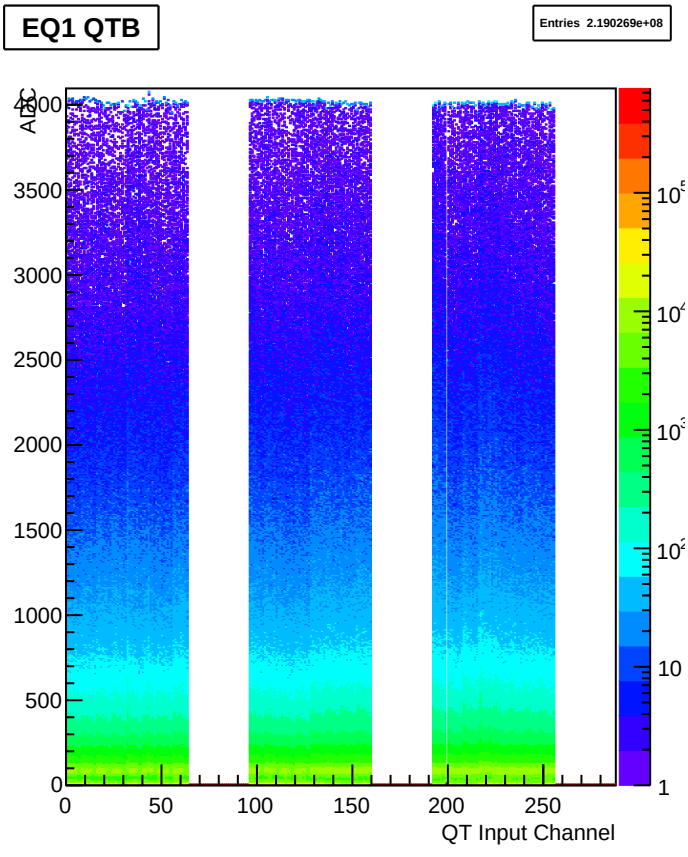

BBQ-ZD001 (ZDC TOWER)
Entries 1.216816e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

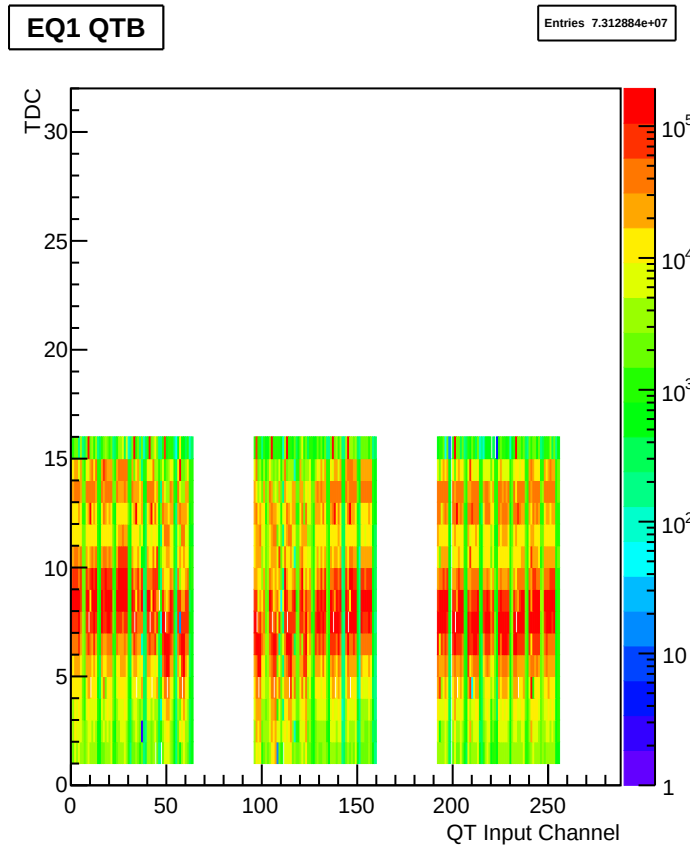

BBQ-VP001 East
Entries 1.216816e+07
ADC
QT Input Channel

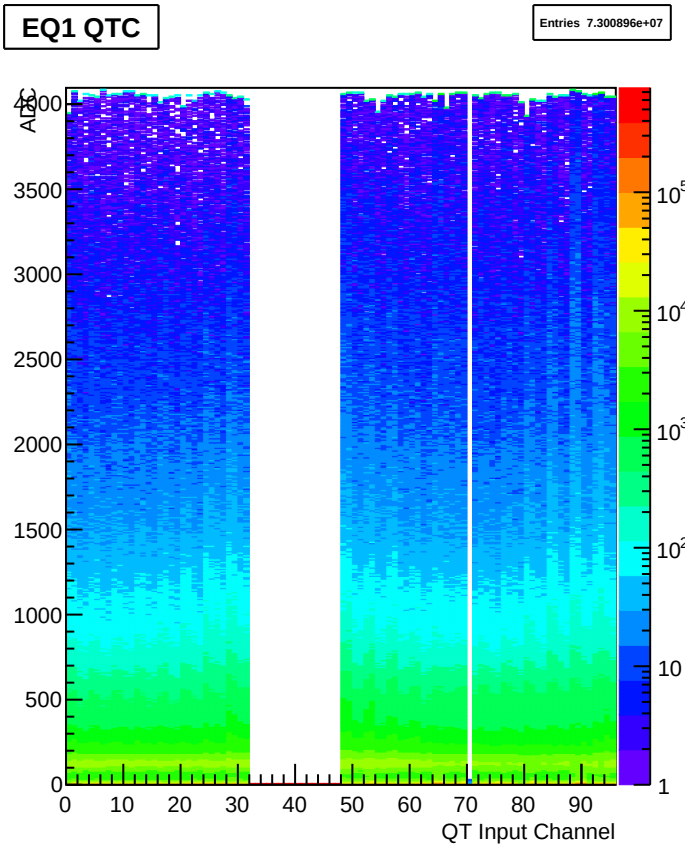

BBQ-VP001 East
Entries 1.216816e+07
ADC
QT Input Channel

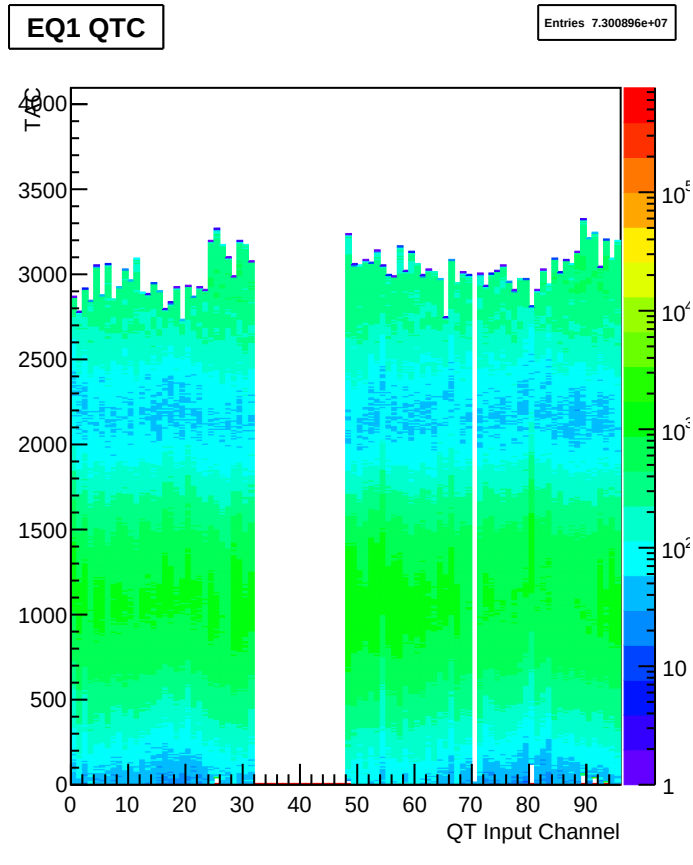

BBQ-VP002 West
Entries 1.216816e+07
ADC
QT Input Channel

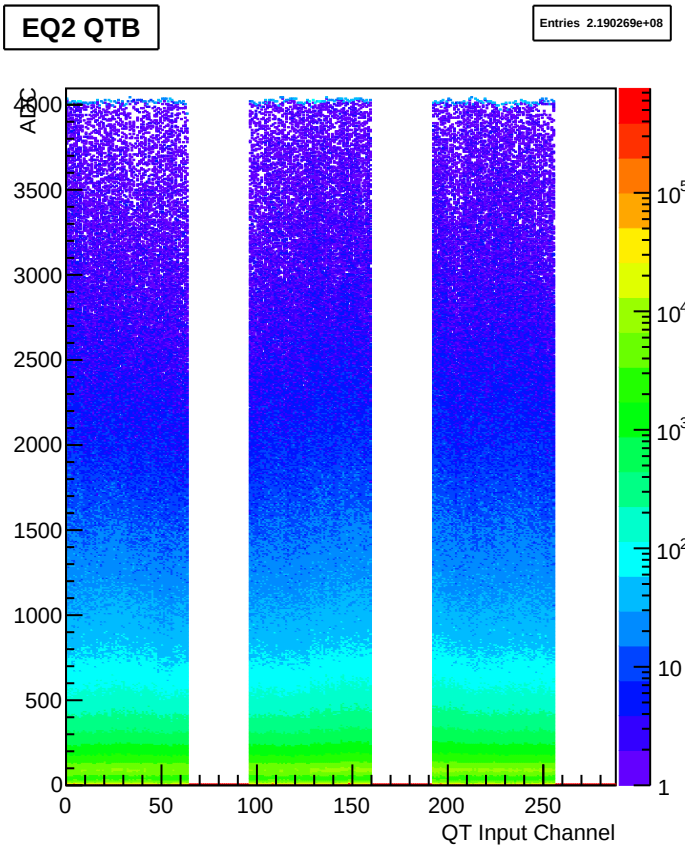

BBQ-VP002 West
Entries 1.216816e+07
ADC
QT Input Channel

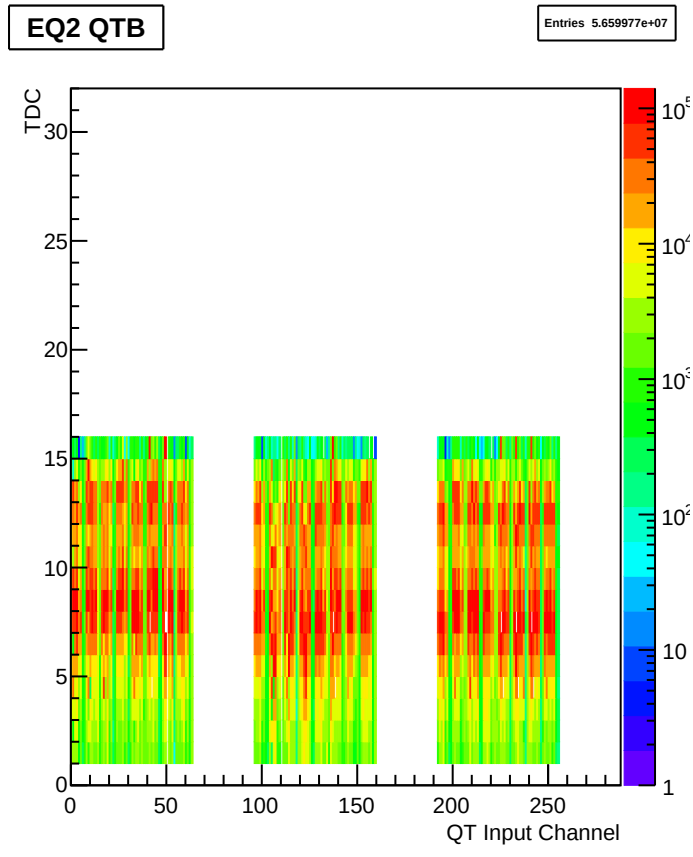

EQ1 QTB
Entries 2.190269e+08
ADC
QT Input Channel

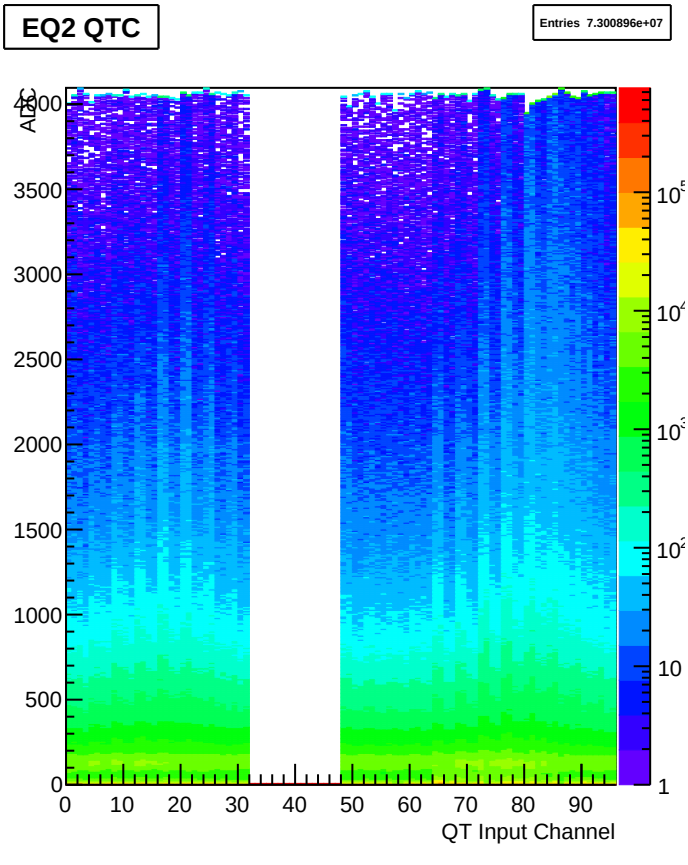

EQ1 QTB
Entries 7.312884e+07
TDC
QT Input Channel

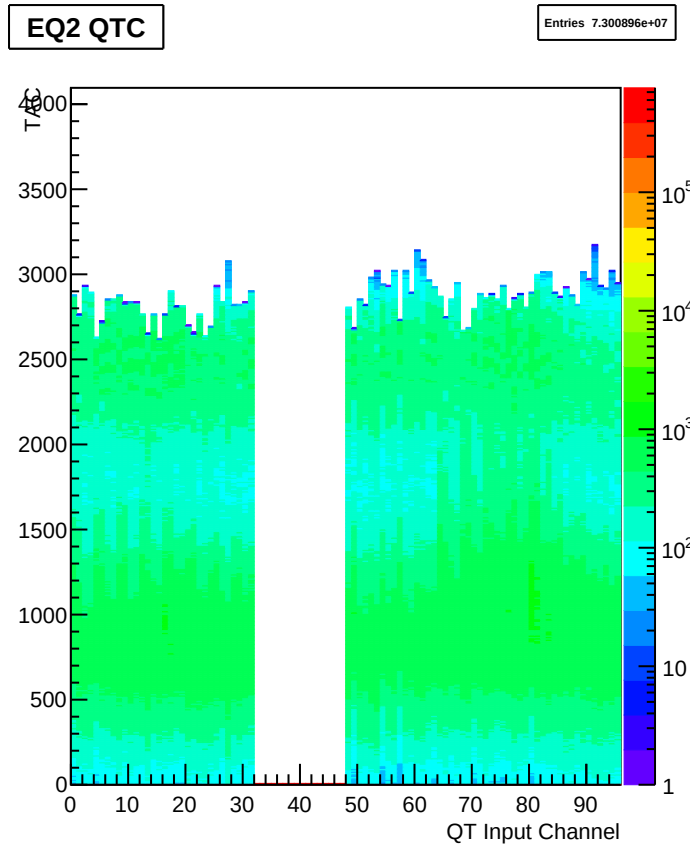

EQ1 QTC
Entries 7.300896e+07
ADC
QT Input Channel

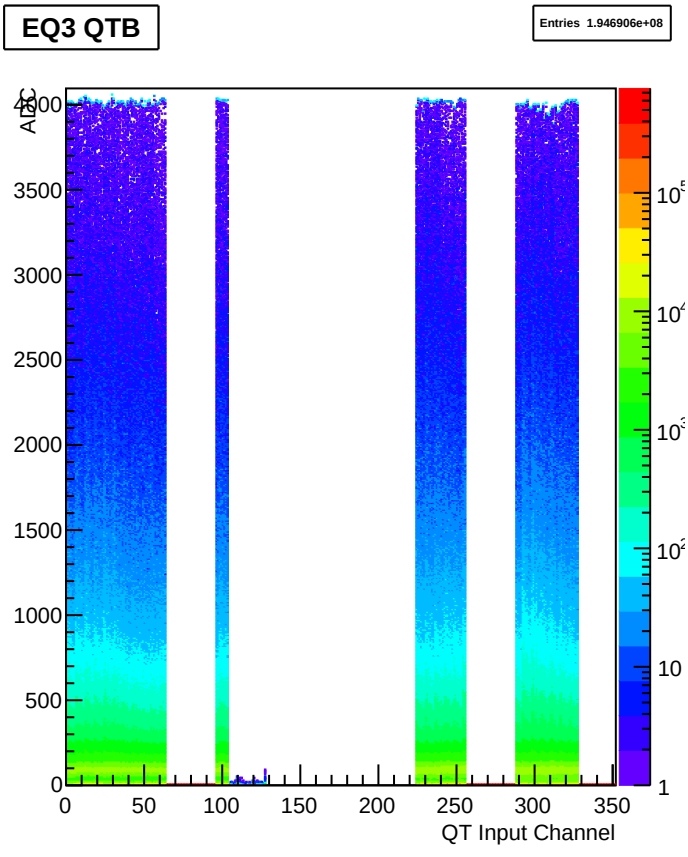

EQ1 QTC
Entries 7.300896e+07
TADC
QT Input Channel

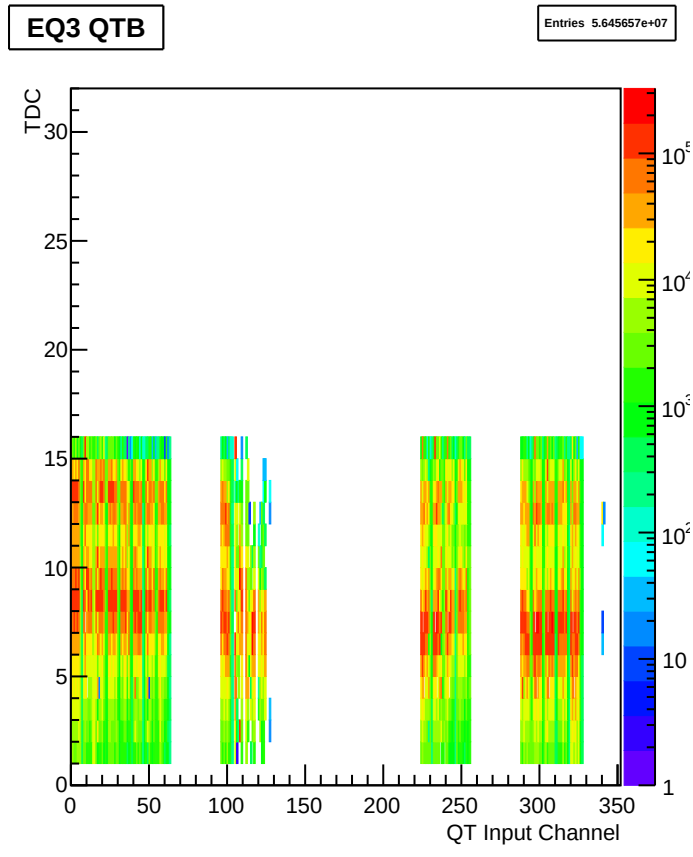

EQ2 QTB
Entries 2.190269e+08
ADC
QT Input Channel

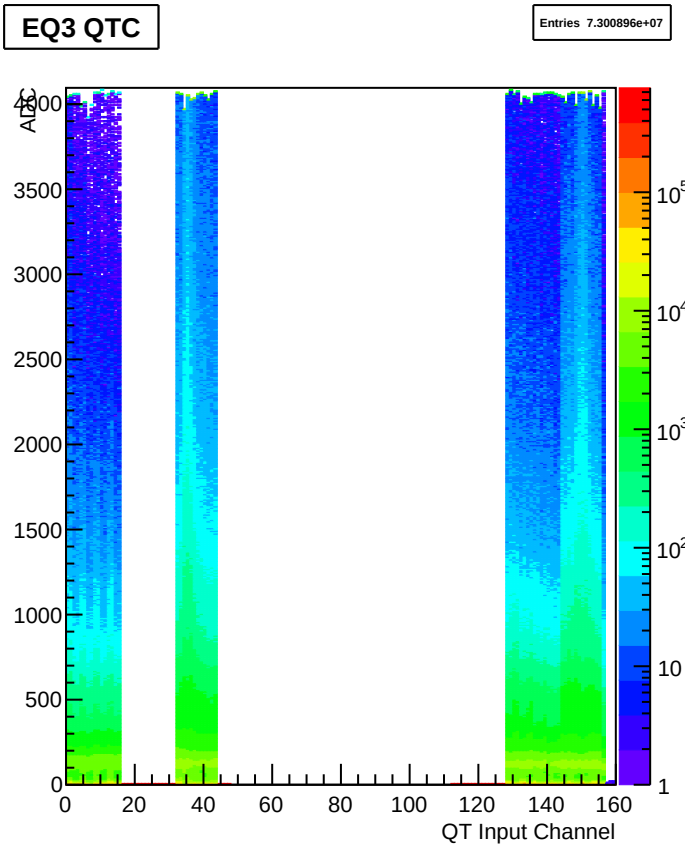

EQ2 QTB
Entries 5.659977e+07
TDC
QT Input Channel

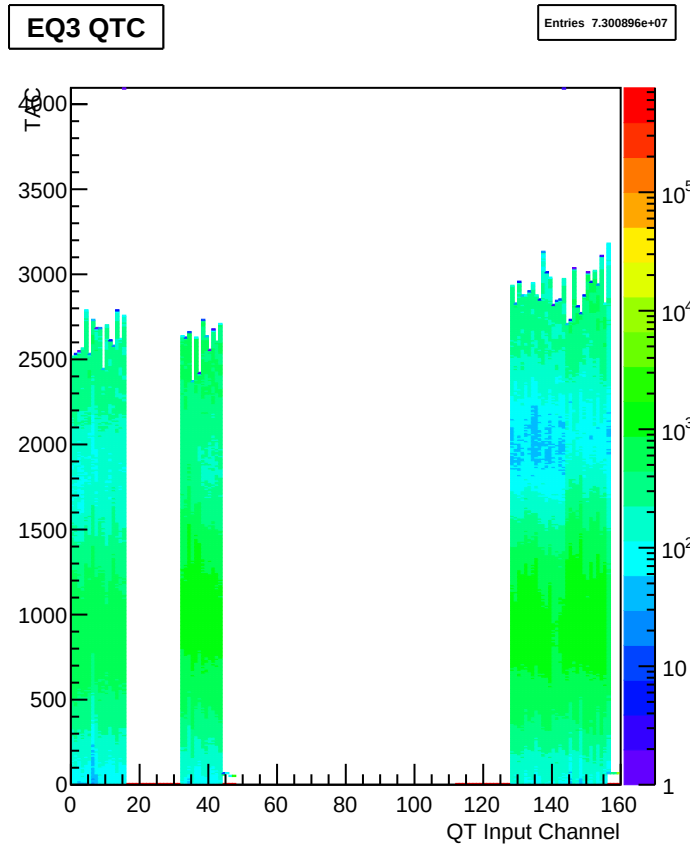

EQ2 QTC
Entries 7.300896e+07
ADC
QT Input Channel

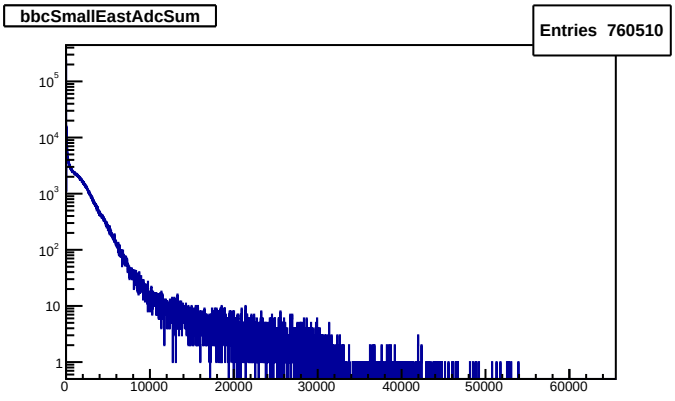

EQ2 QTC
Entries 7.300896e+07
TADC
QT Input Channel

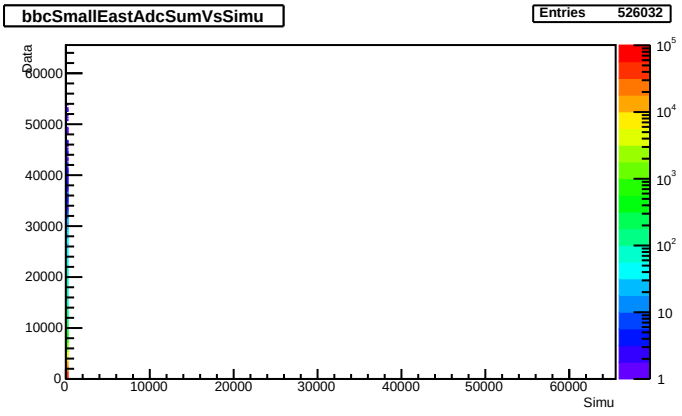

EQ3 QTB
Entries 1.946906e+08
ADC
QT Input Channel

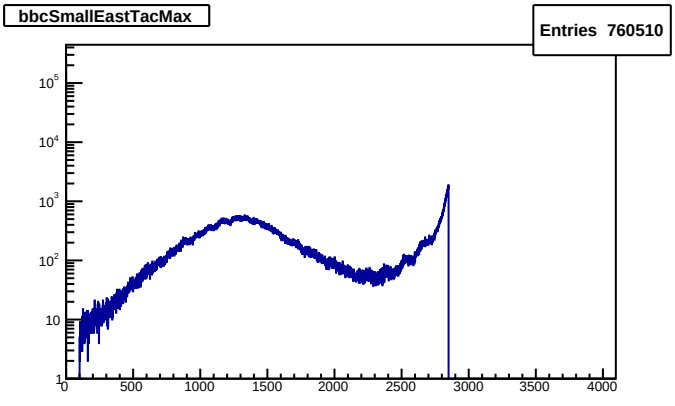

EQ3 QTB
Entries 5.645657e+07
TDC
QT Input Channel

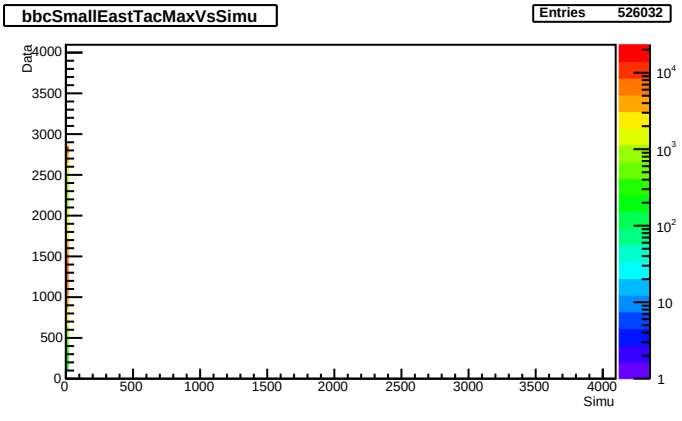

EQ3 QTC
Entries 7.300896e+07
ADC
QT Input Channel

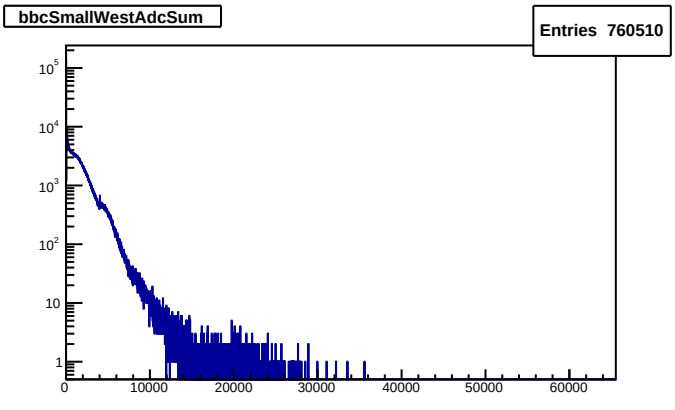

EQ3 QTC
Entries 7.300896e+07
TADC
QT Input Channel

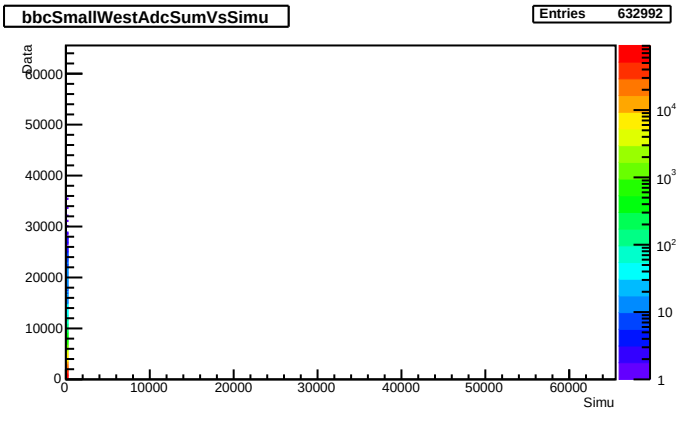

bbcSmallEastAdcSum
Entries 760510


bbcSmallEastAdcSumVsSimu
Entries 526032
Data
Simu


bbcSmallEastTacMax
Entries 760510


bbcSmallEastTacMaxVsSimu
Entries 526032
Data
Simu


bbcSmallWestAdcSum
Entries 760510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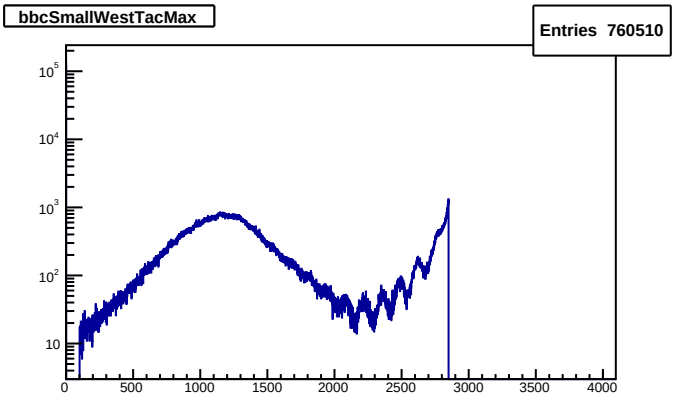
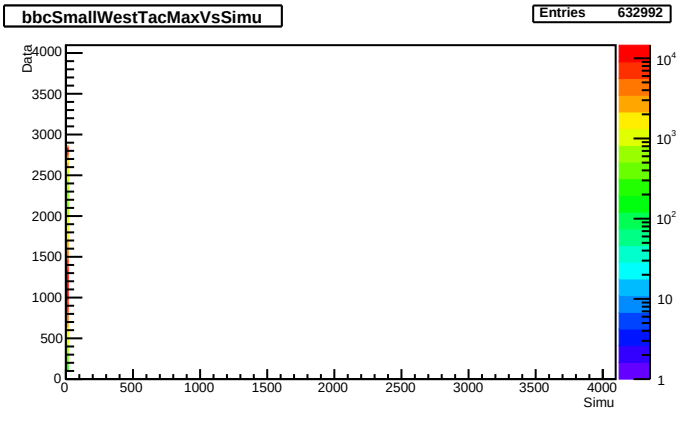
Entries 632992
Data
Simu


bbcSmallWestTacMax
Entries 760510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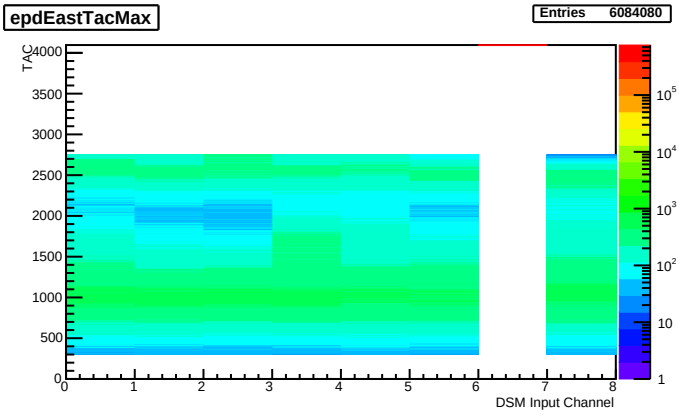
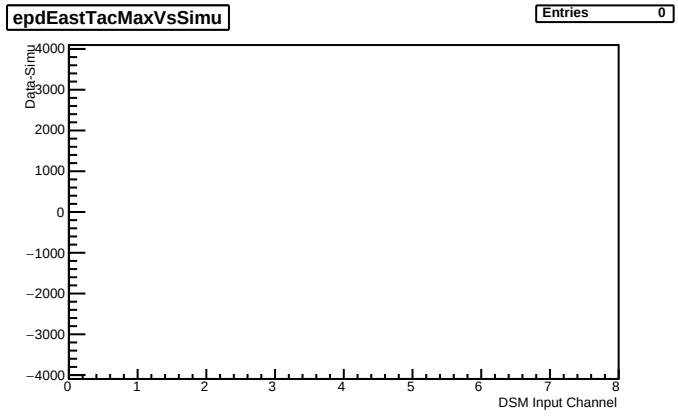
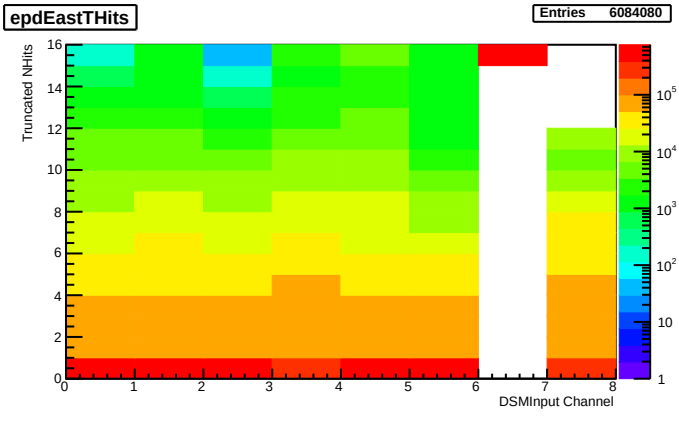
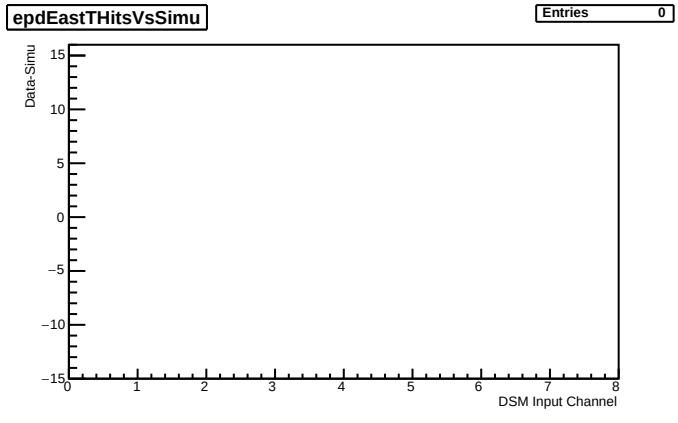
Entries 632992
Data
Simu


epdEastTacMax
Entries 6084080
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 6084080
Truncated NHits
DSMInput Channel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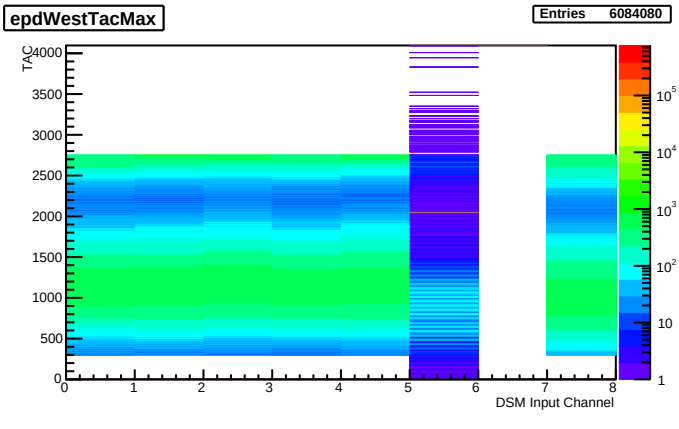
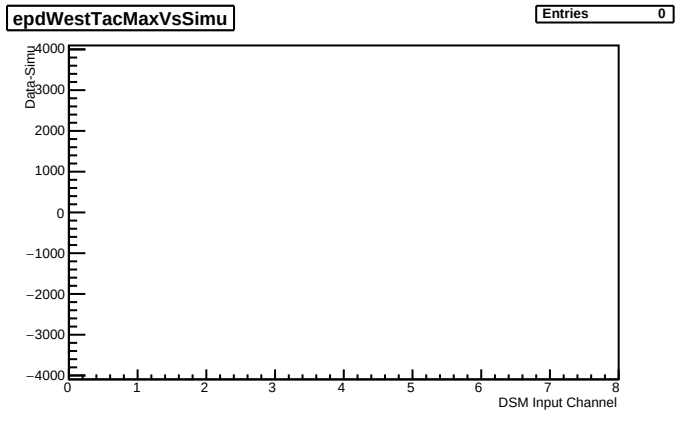
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 6084080
TAC
DSM Input Channel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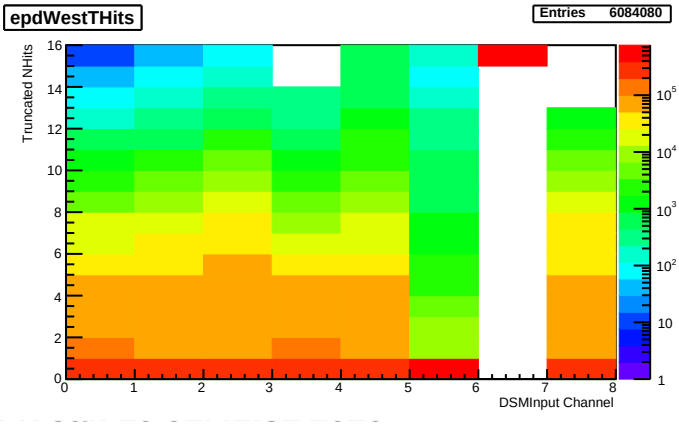
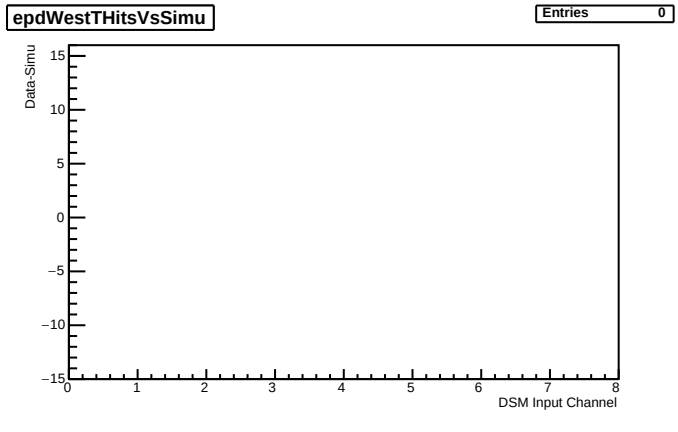
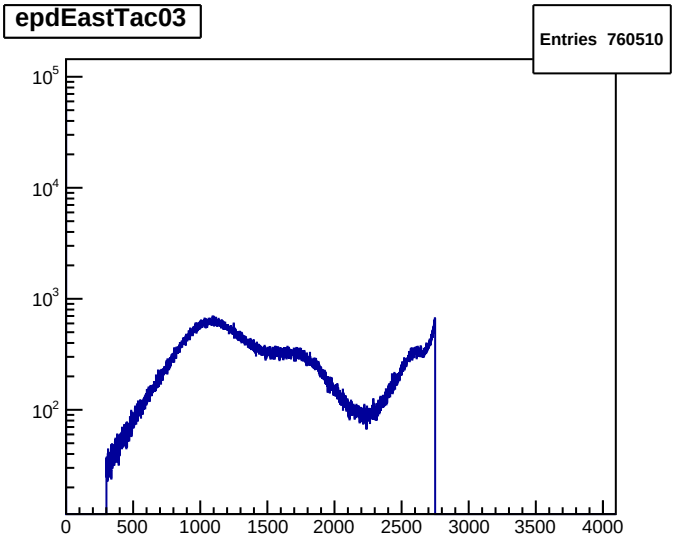
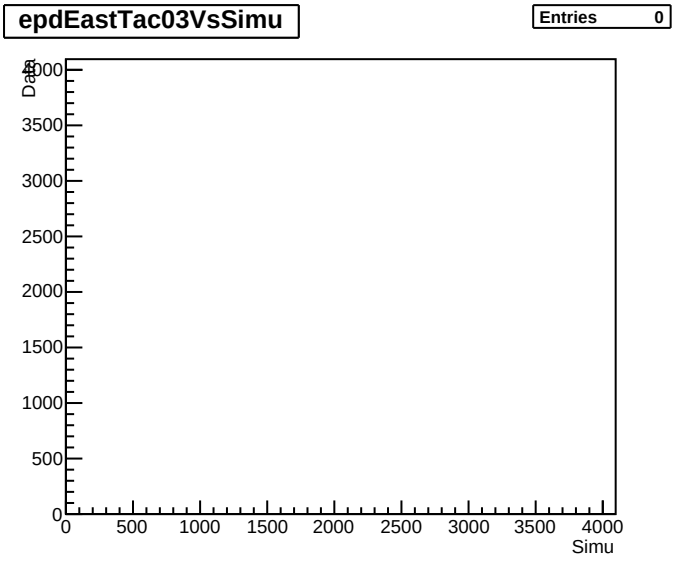
Data-Simu
DSM Input Channel


epdWestTHits
Entries 6084080
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 760510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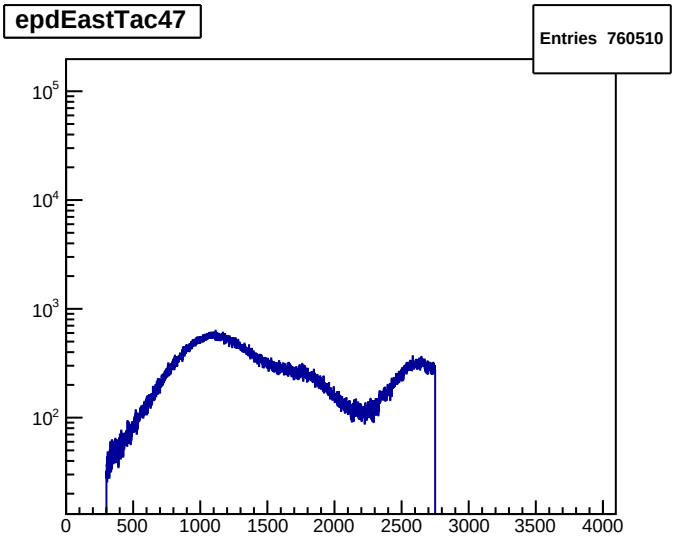
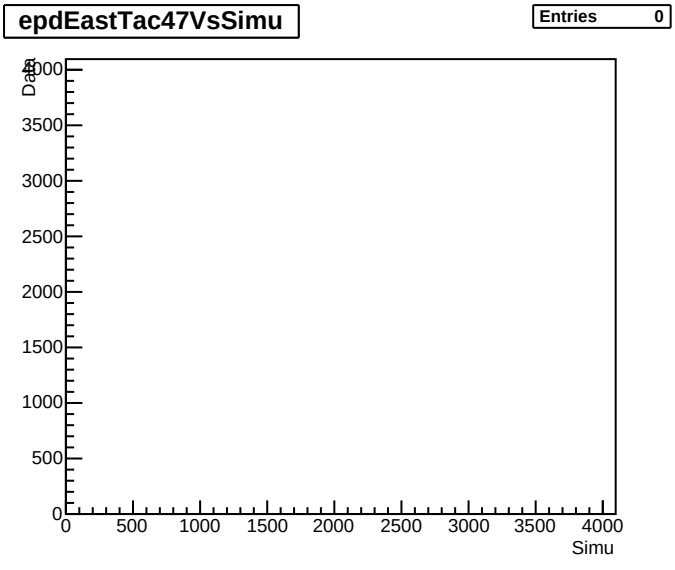
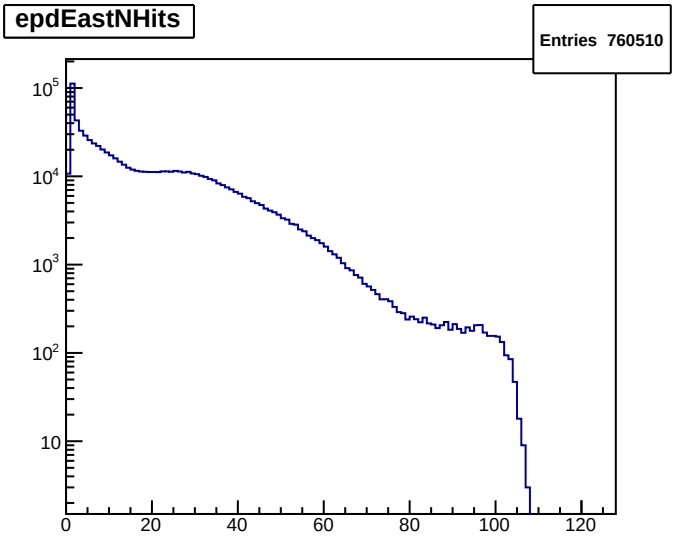
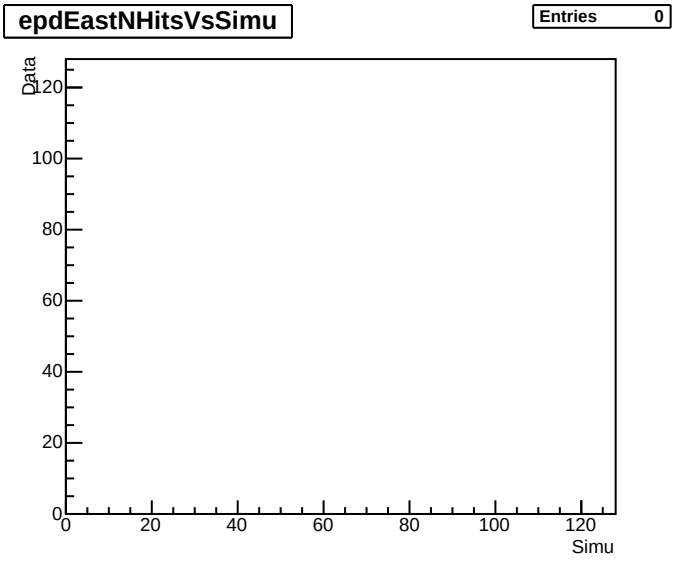
Entries 0
Data
Simu


epdEastTac47
Entries 760510


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 760510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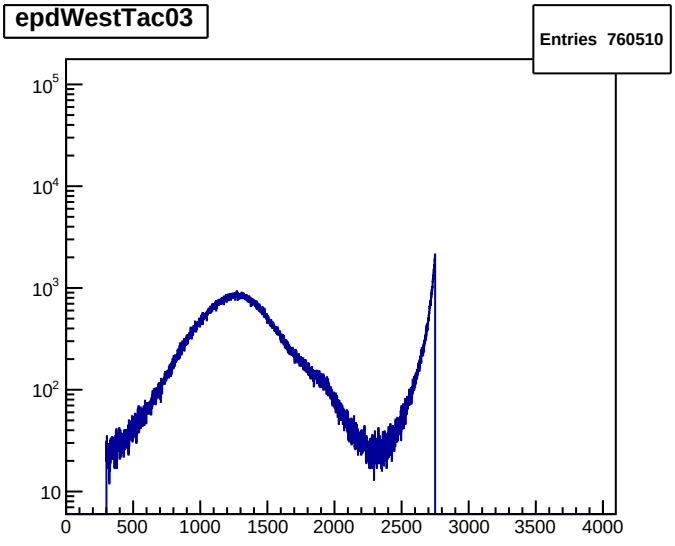
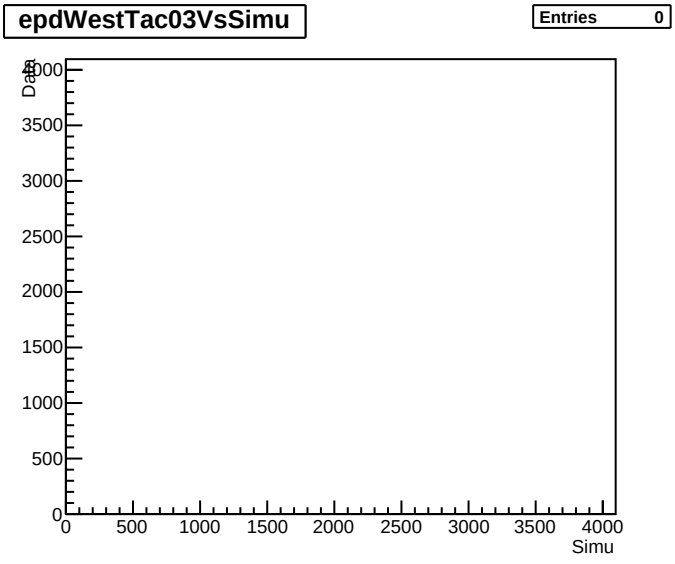
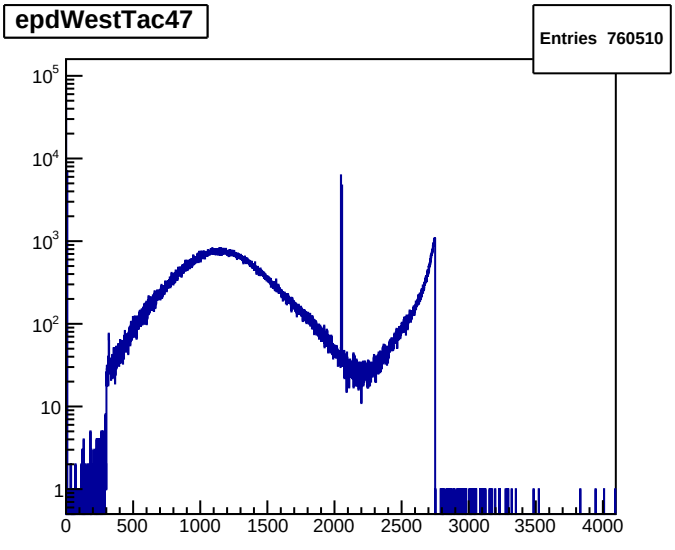
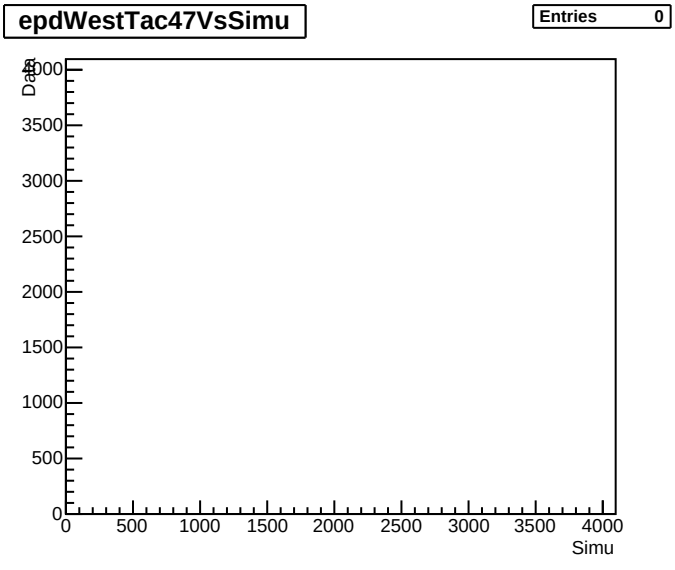
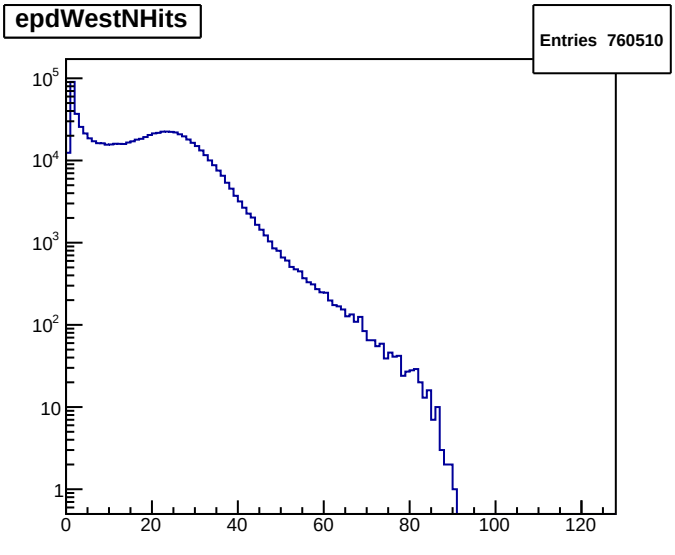
Entries 0
Data
Simu

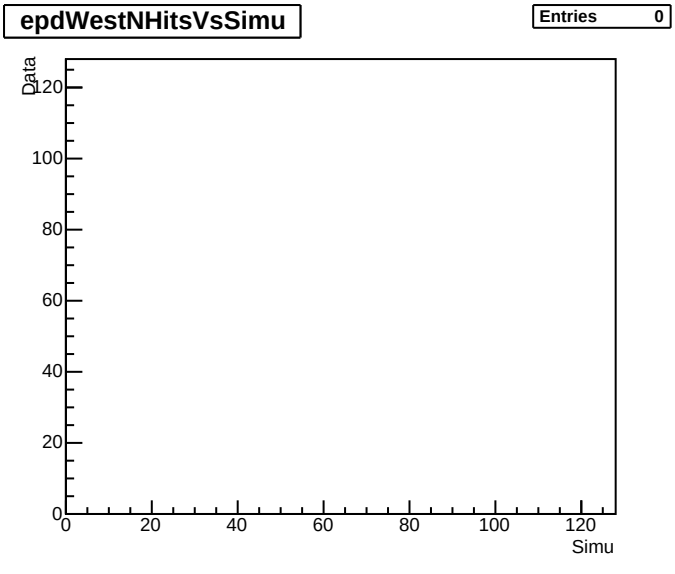

epdWestTac03
Entries 760510

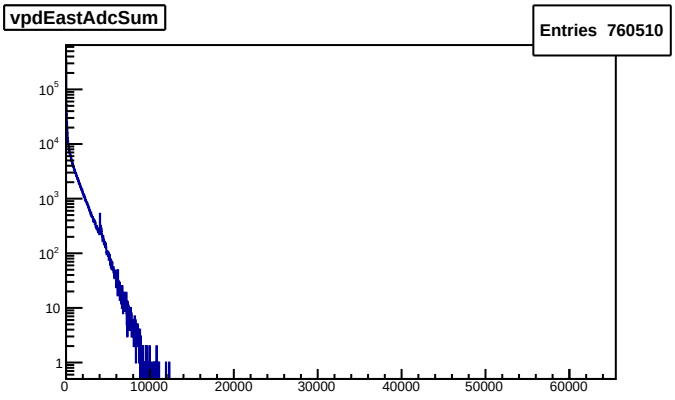

epdWestTac03VsSimu
Entries 0
Data
Simu

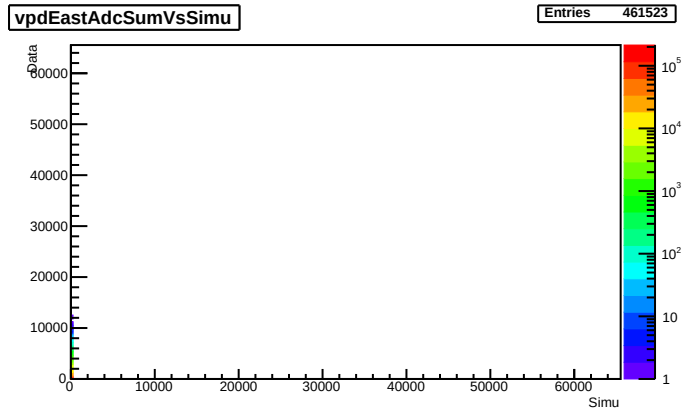

epdWestTac47
Entries 760510

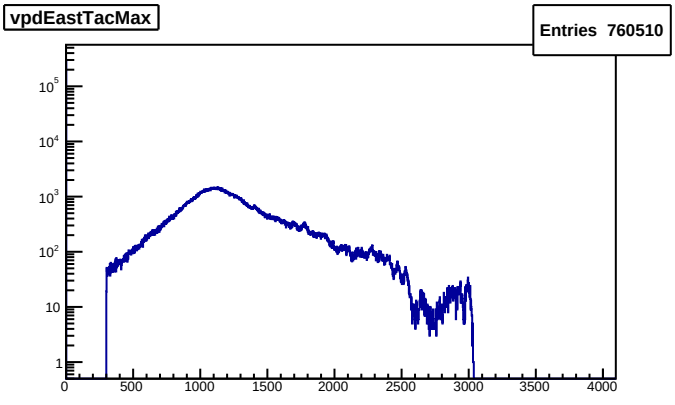

epdWestTac47VsSimu
Entries 0
Data
Simu

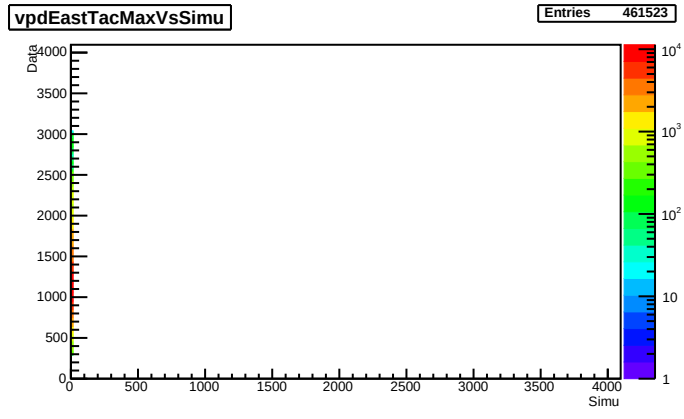

epdWestNHits
Entries 760510

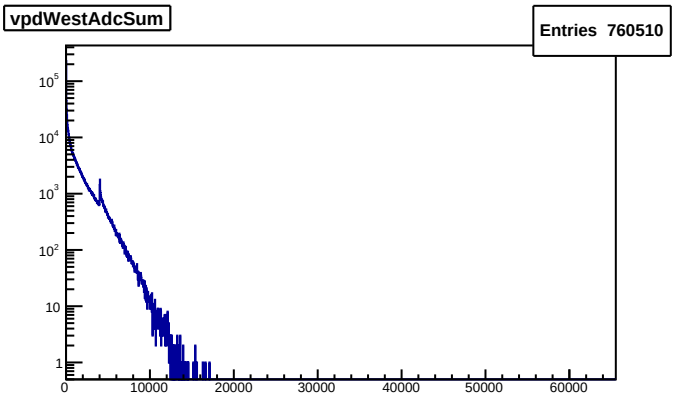

epdWestNHitsVsSimu
Entries 0
Data
Simu

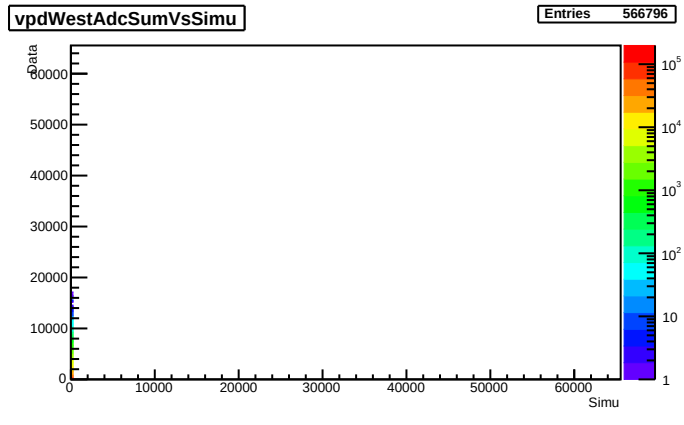

vpdEastAdcSum
Entries 760510

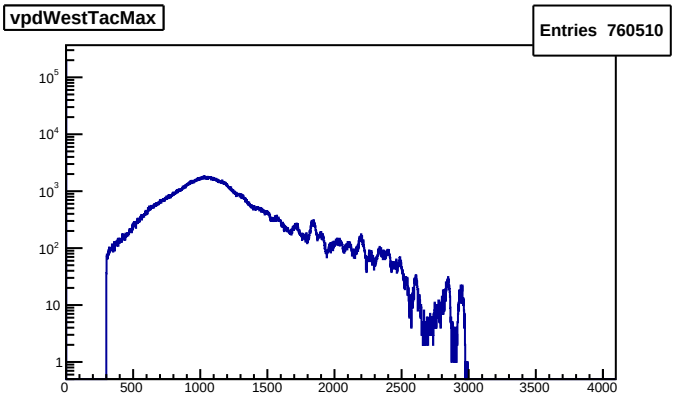

vpdEastAdcSumVsSimu
Entries 461523
Data
Simu

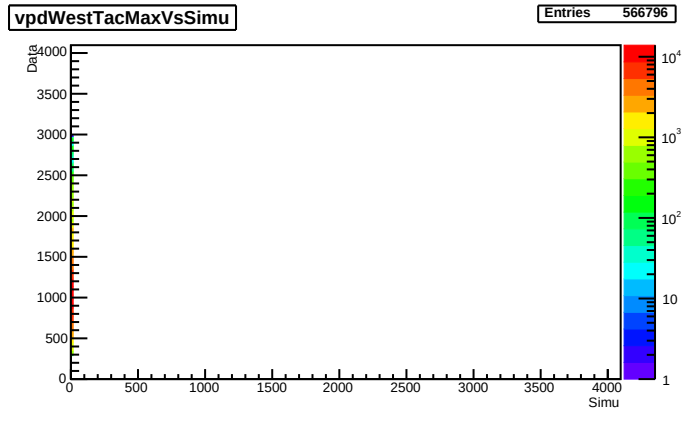

vpdEastTacMax
Entries 760510

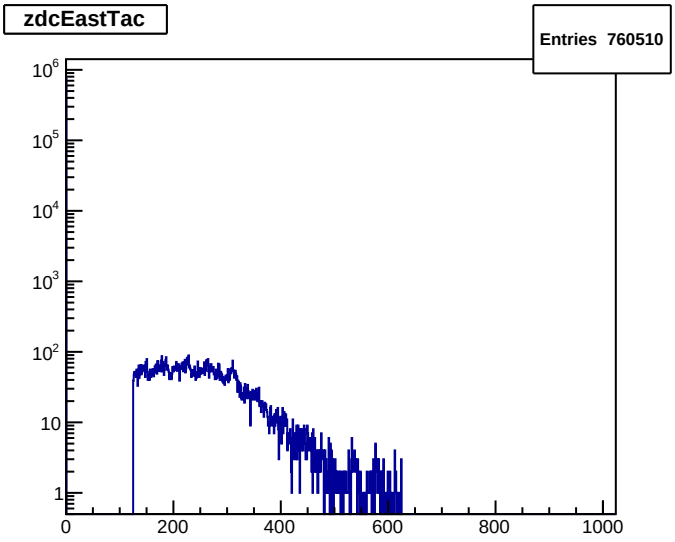

vpdEastTacMaxVsSimu
Entries 461523
Data
Simu

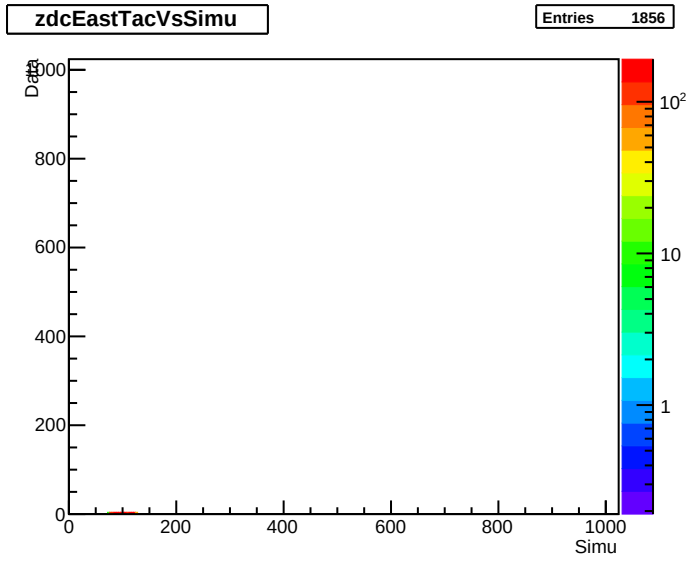

vpdWestAdcSum
Entries 760510

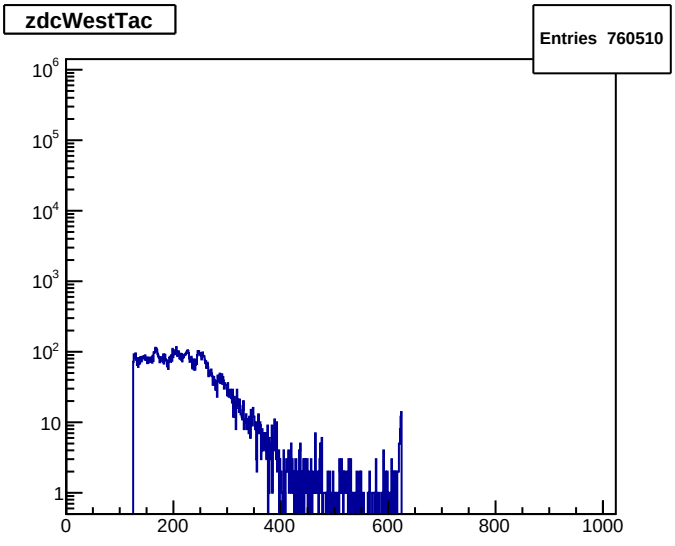

vpdWestAdcSumVsSimu
Entries 566796
Data
Simu

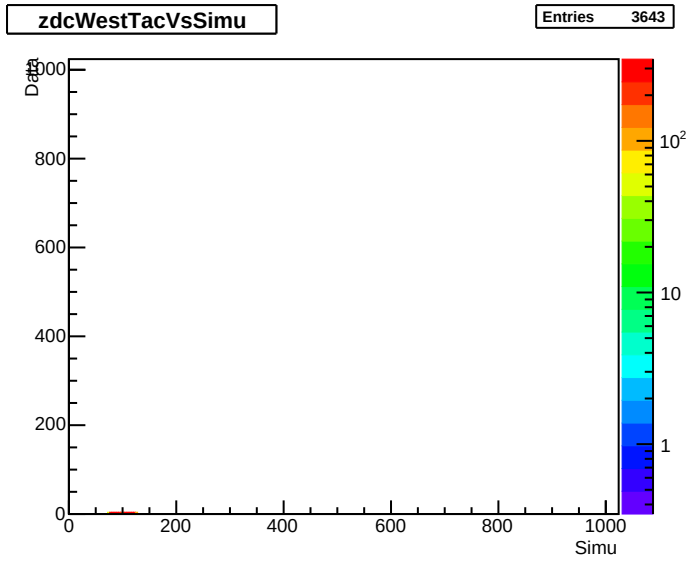

vpdWestTacMax
Entries 760510

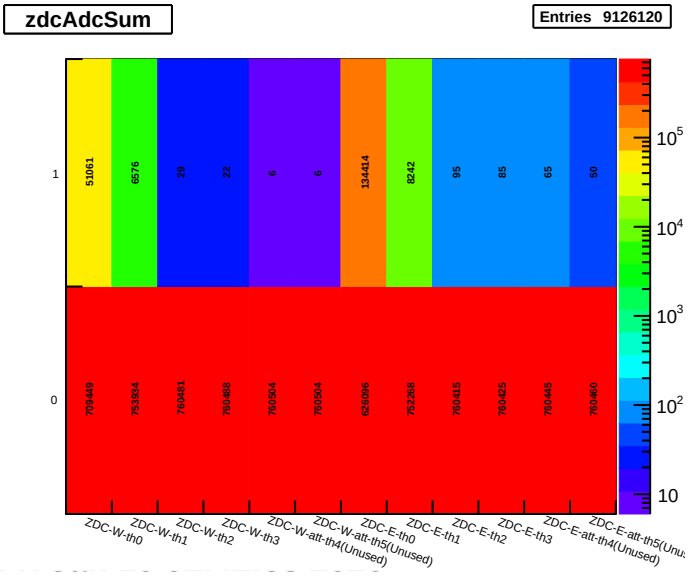

vpdWestTacMaxVsSimu
Entries 566796
Data
Simu

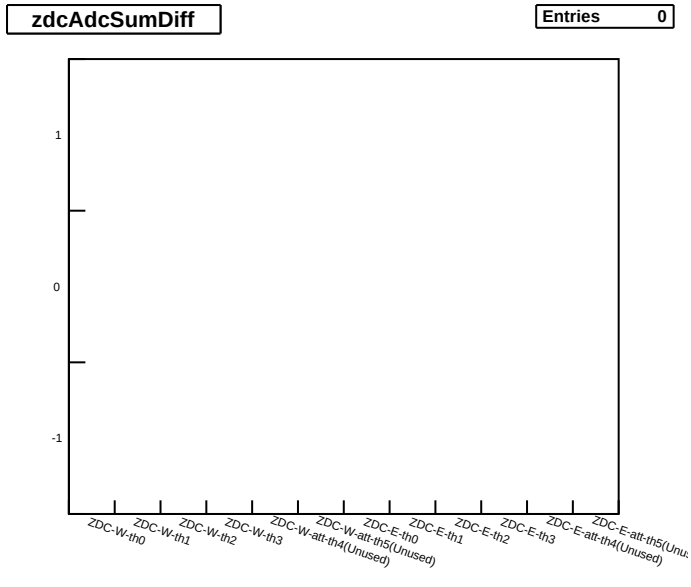

zdcEastTac
Entries 760510

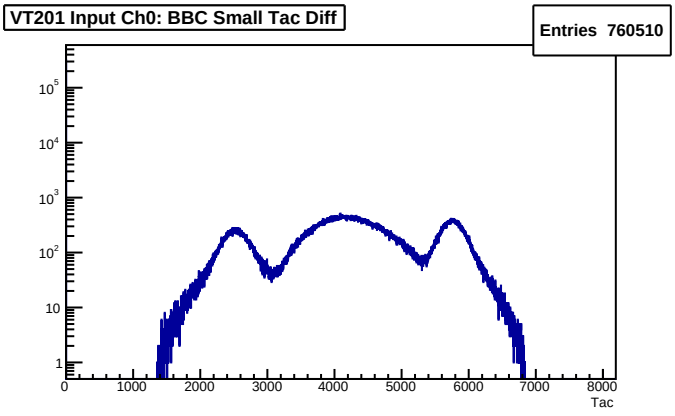

zdcEastTacVsSimu
Entries 1856
Data
Simu

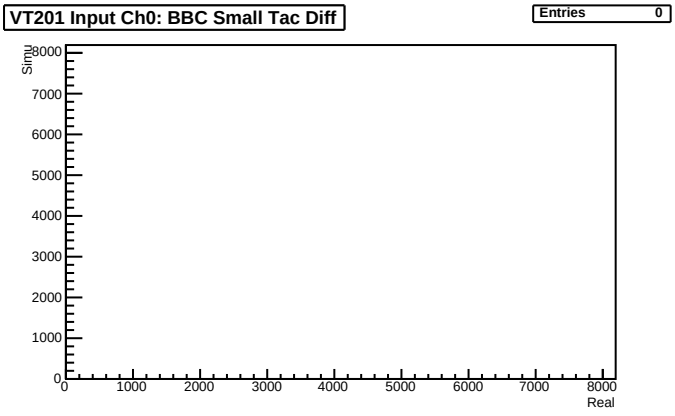

zdcWestTac
Entries 760510

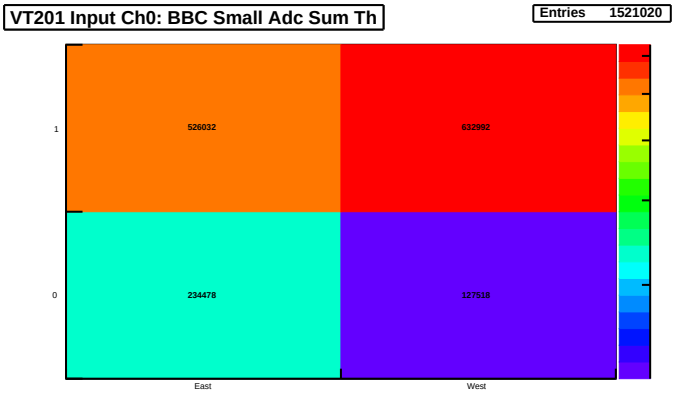

zdcWestTacVsSimu
Entries 3643
Data
Simu

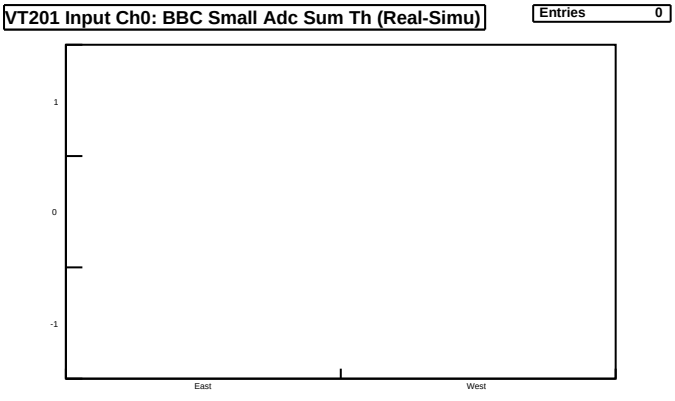

zdcAdcSum
Entries 9126120
51061
6576
29
22
6
6
134414
8242
95
85
65
50
709449
753934
760481
760488
760504
760504
626096
752288
760415
760425
760445
760460
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

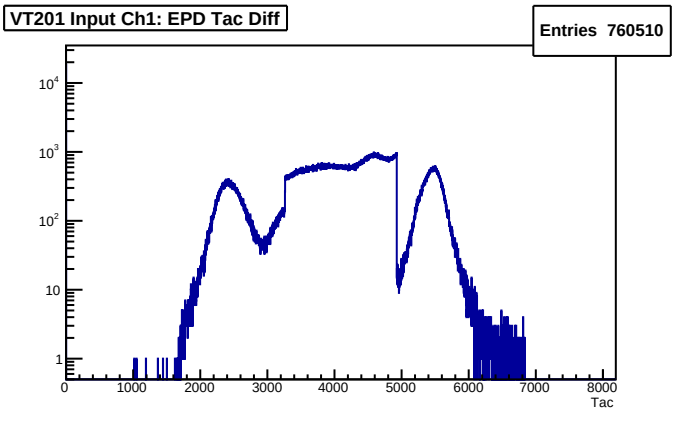

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

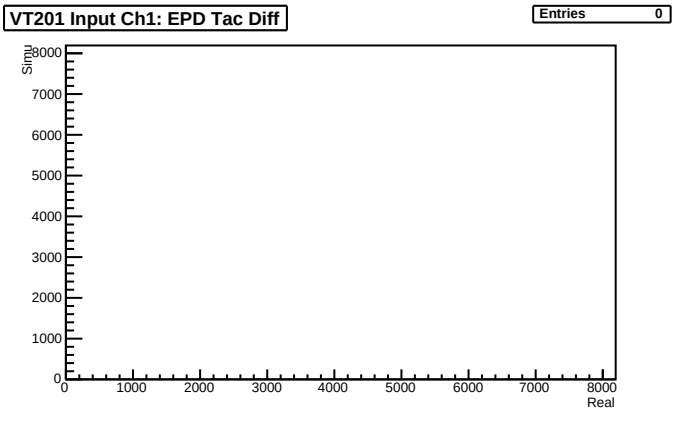

VT201 Input Ch0: BBC Small Tac Diff
Entries 760510
Tac

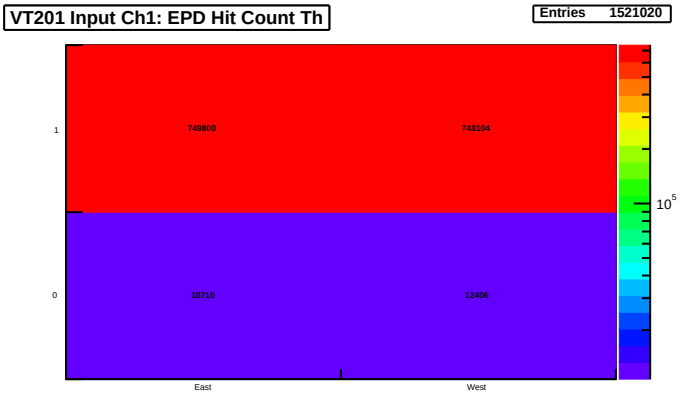

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

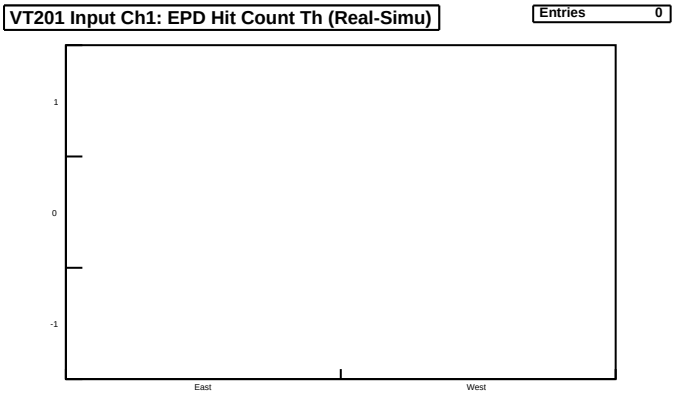

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1521020
526032
632992
234478
127518
East
West

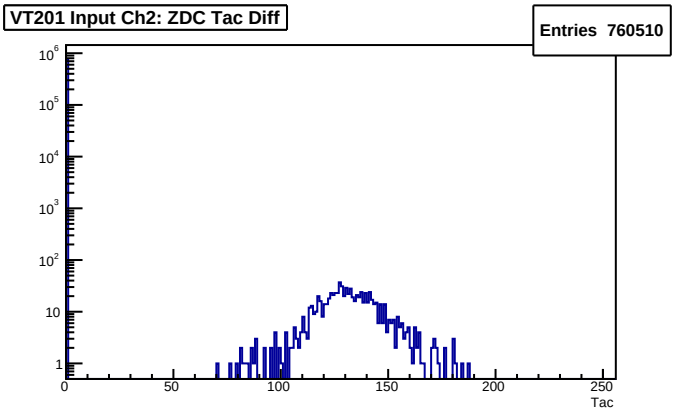

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

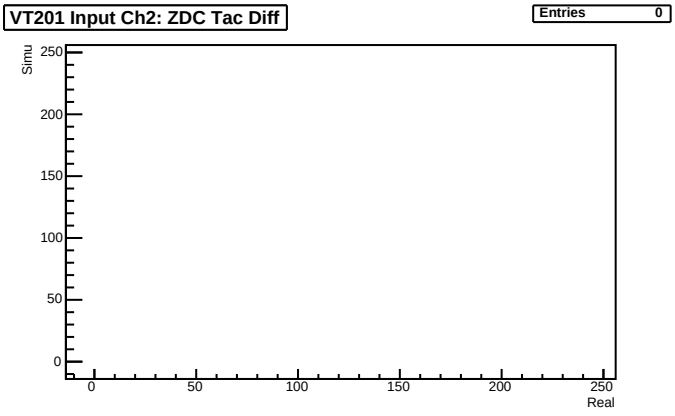

VT201 Input Ch1: EPD Tac Diff
Entries 760510
Tac

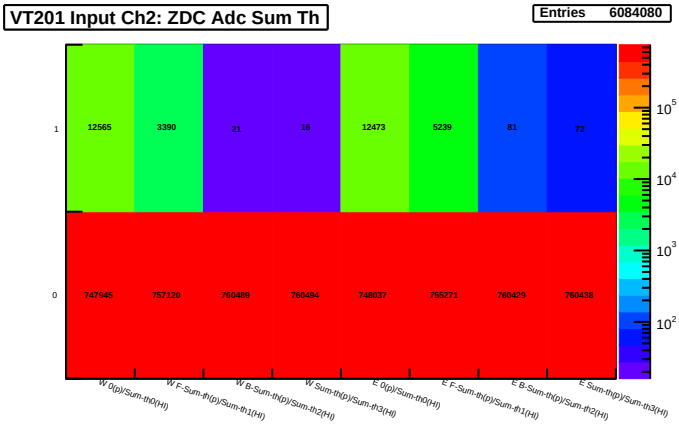

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

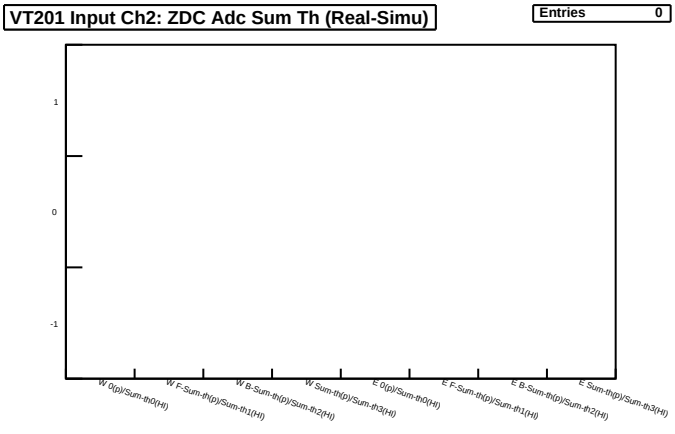

VT201 Input Ch1: EPD Hit Count Th
Entries 1521020
749800
748104
10710
12406
East
West

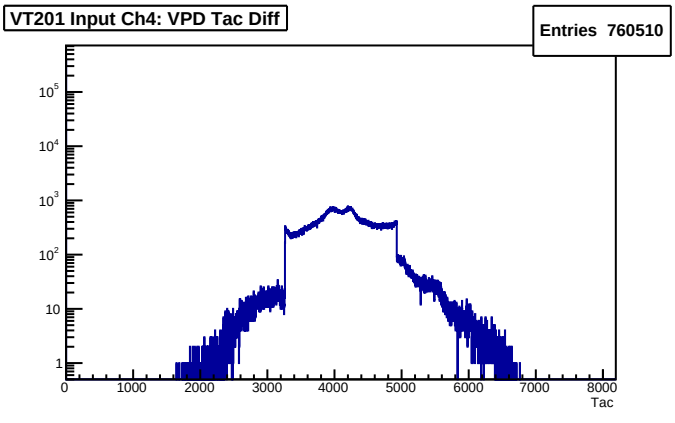

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

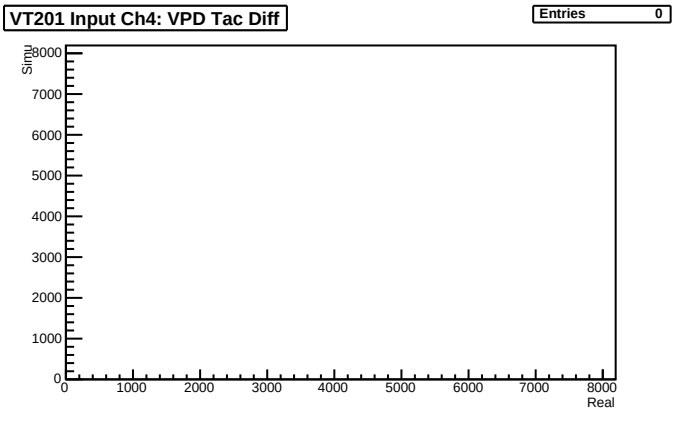

VT201 Input Ch2: ZDC Tac Diff
Entries 760510
Tac

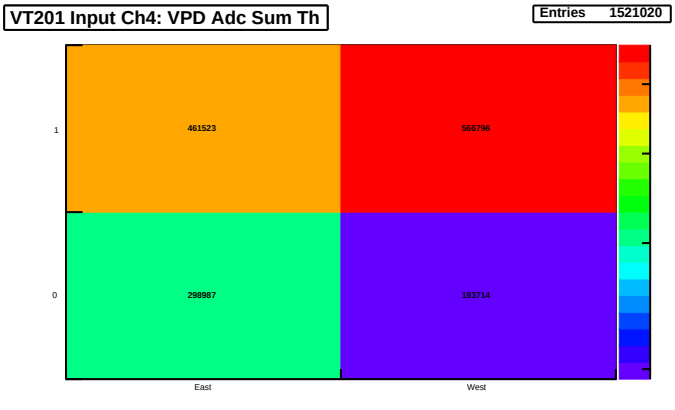

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

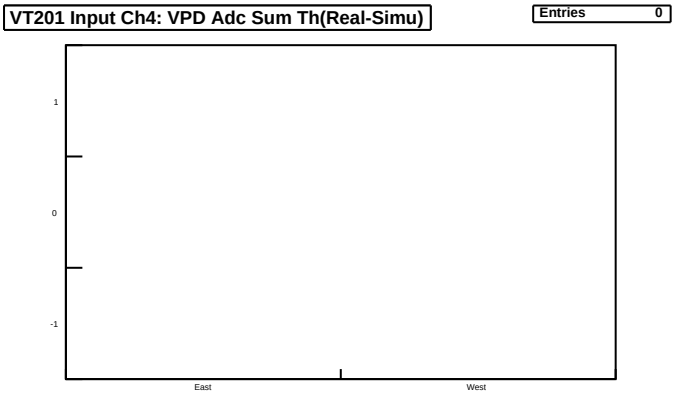

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6084080
12565
3390
21
16
12473
5239
81
72
747945
757120
760489
760494
748037
755271
760429
760438
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

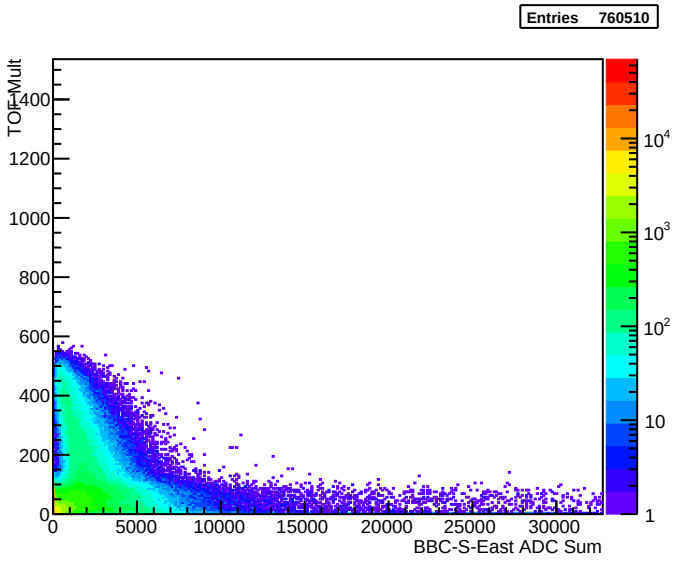

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

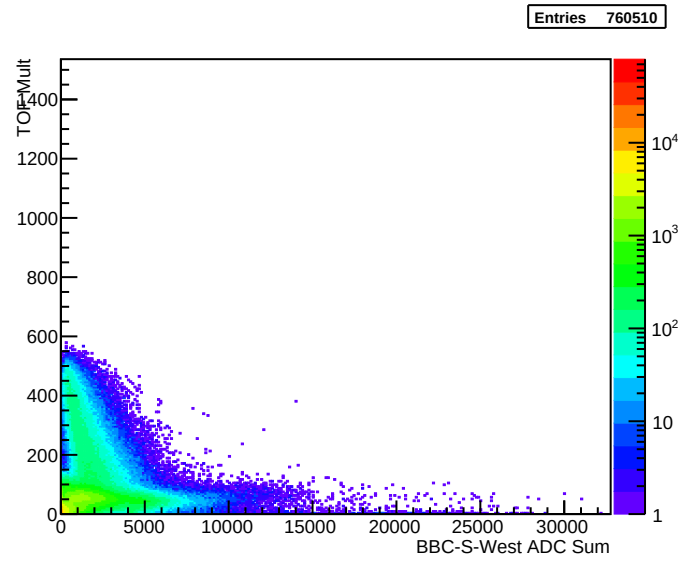

VT201 Input Ch4: VPD Tac Diff
Entries 760510
Tac

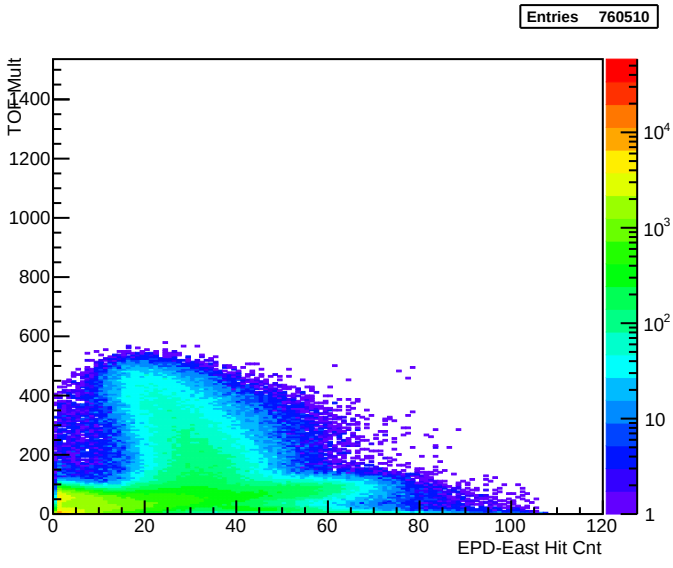

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

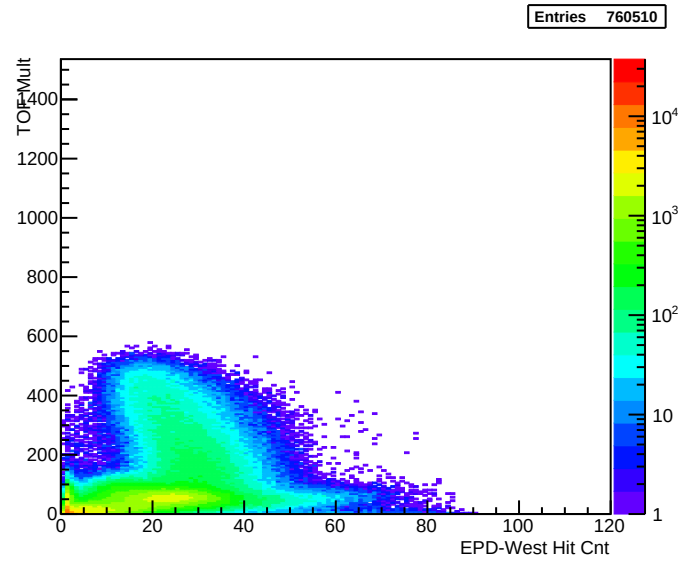

VT201 Input Ch4: VPD Adc Sum Th
Entries 1521020
461523
566796
298987
193714
East
West

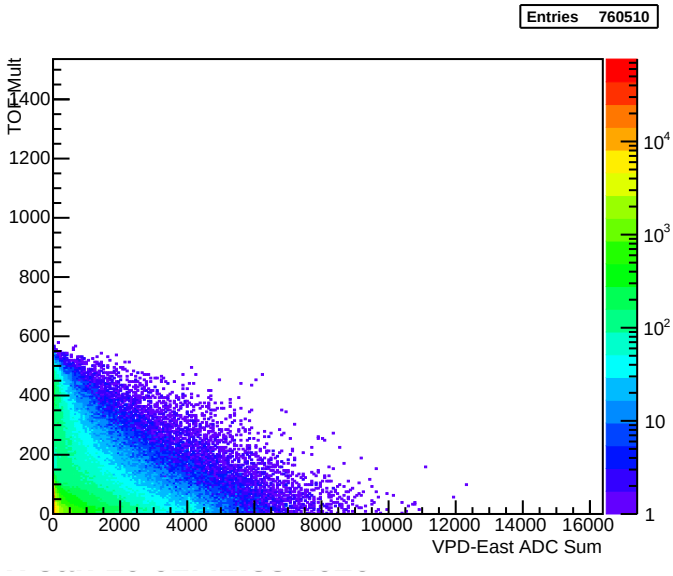

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

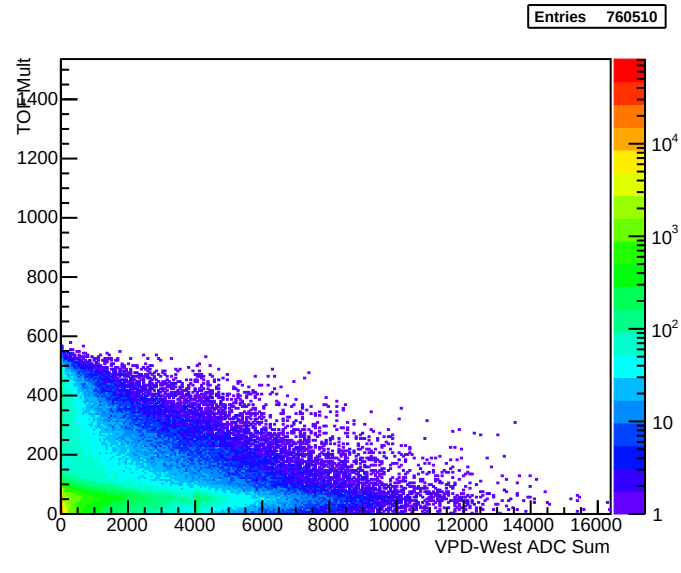

Entries 760510
TOF-Mult
BBC-S-East ADC Sum

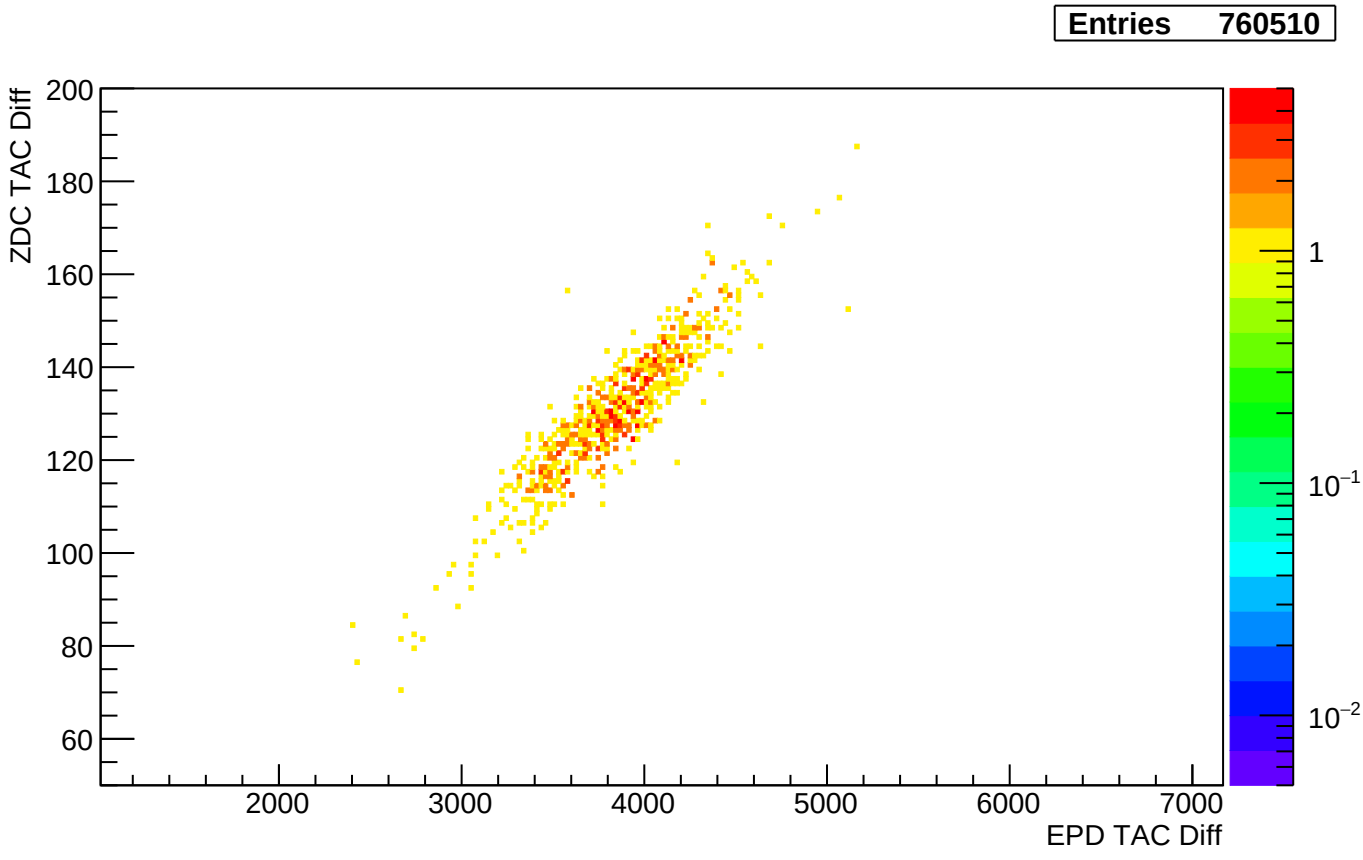

Entries 760510
TOF-Mult
BBC-S-West ADC Sum

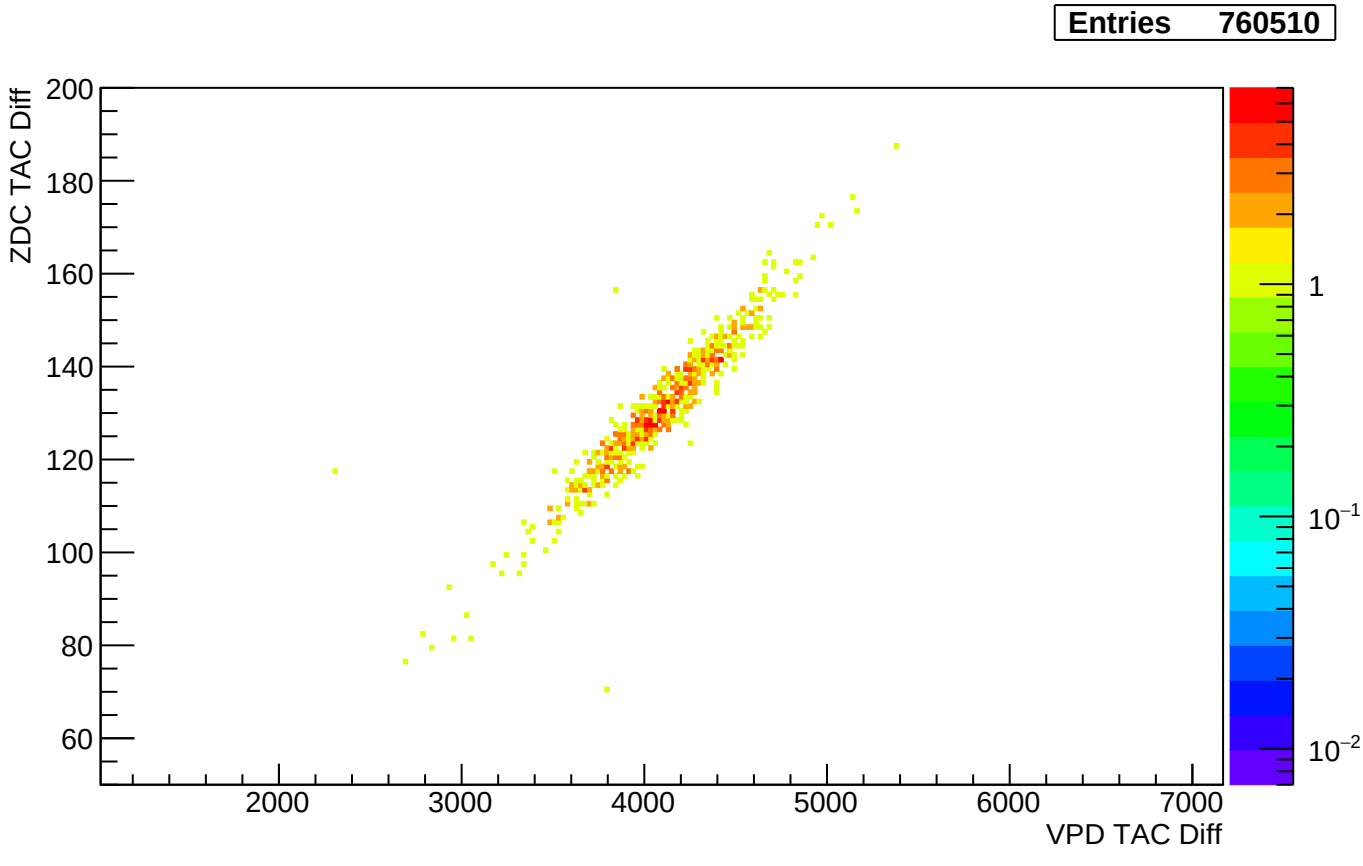

Entries 760510
TOF-Mult
EPD-East Hit Cnt

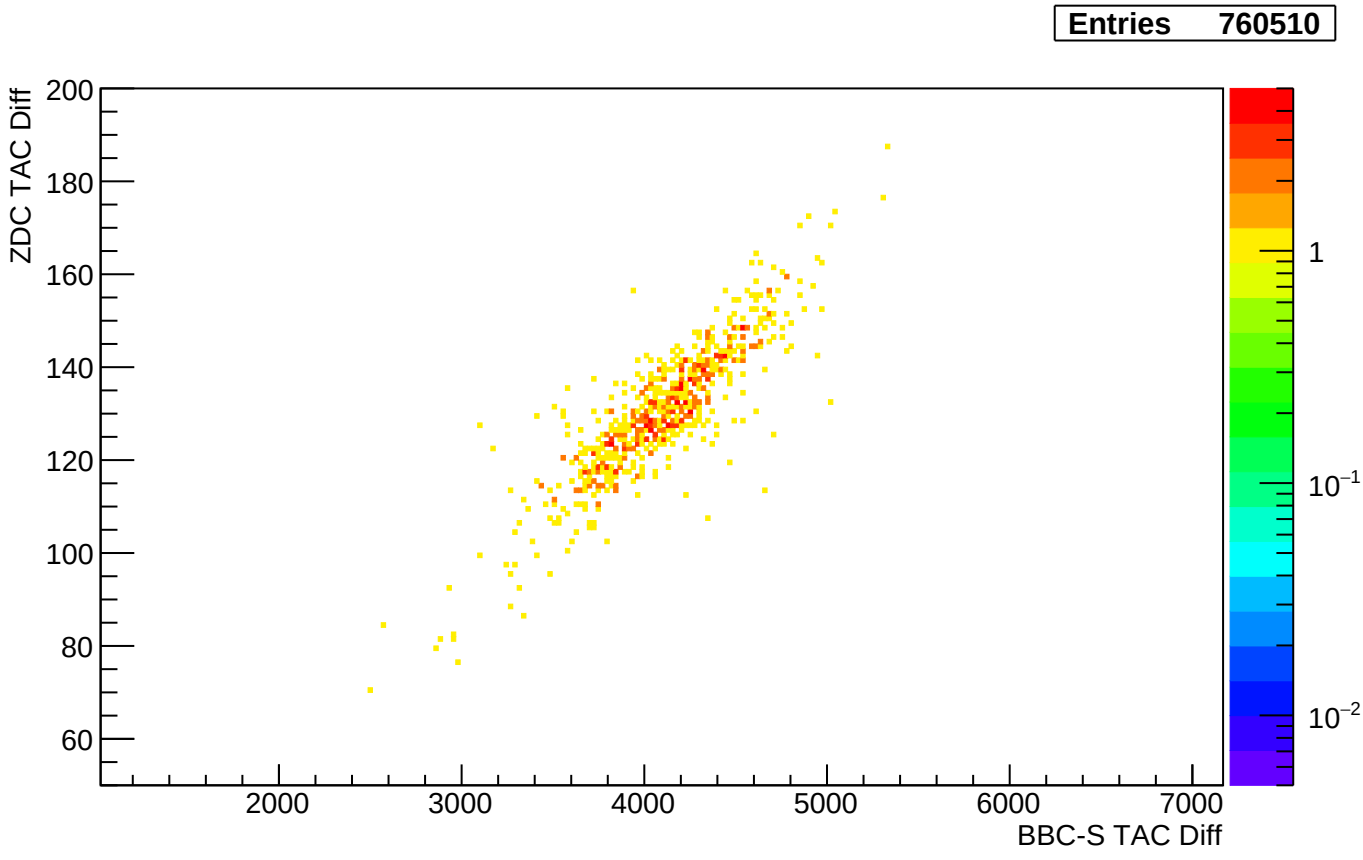

Entries 760510
TOF-Mult
EPD-West Hit Cnt

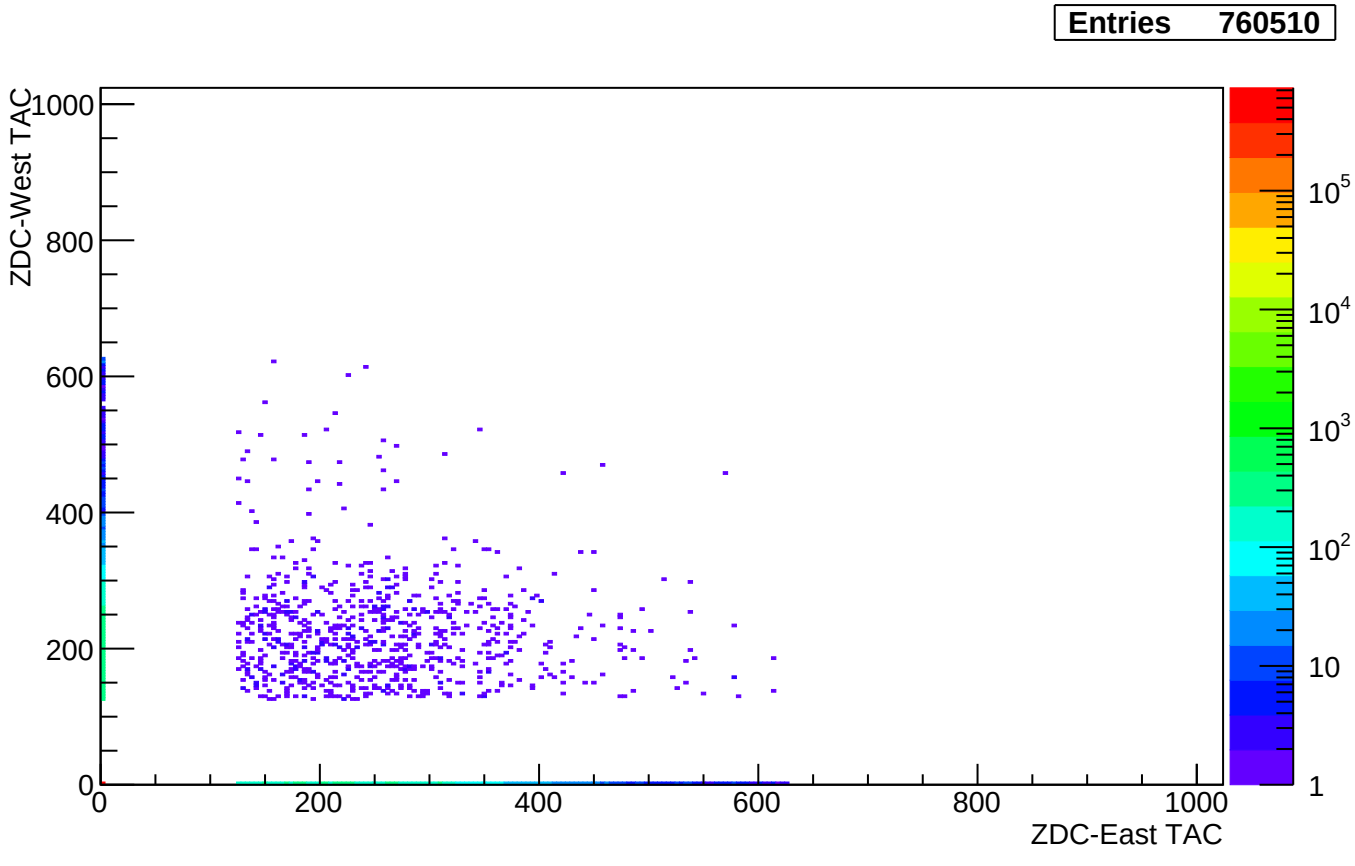

Entries 760510
TOF-Mult
VPD-East ADC Sum

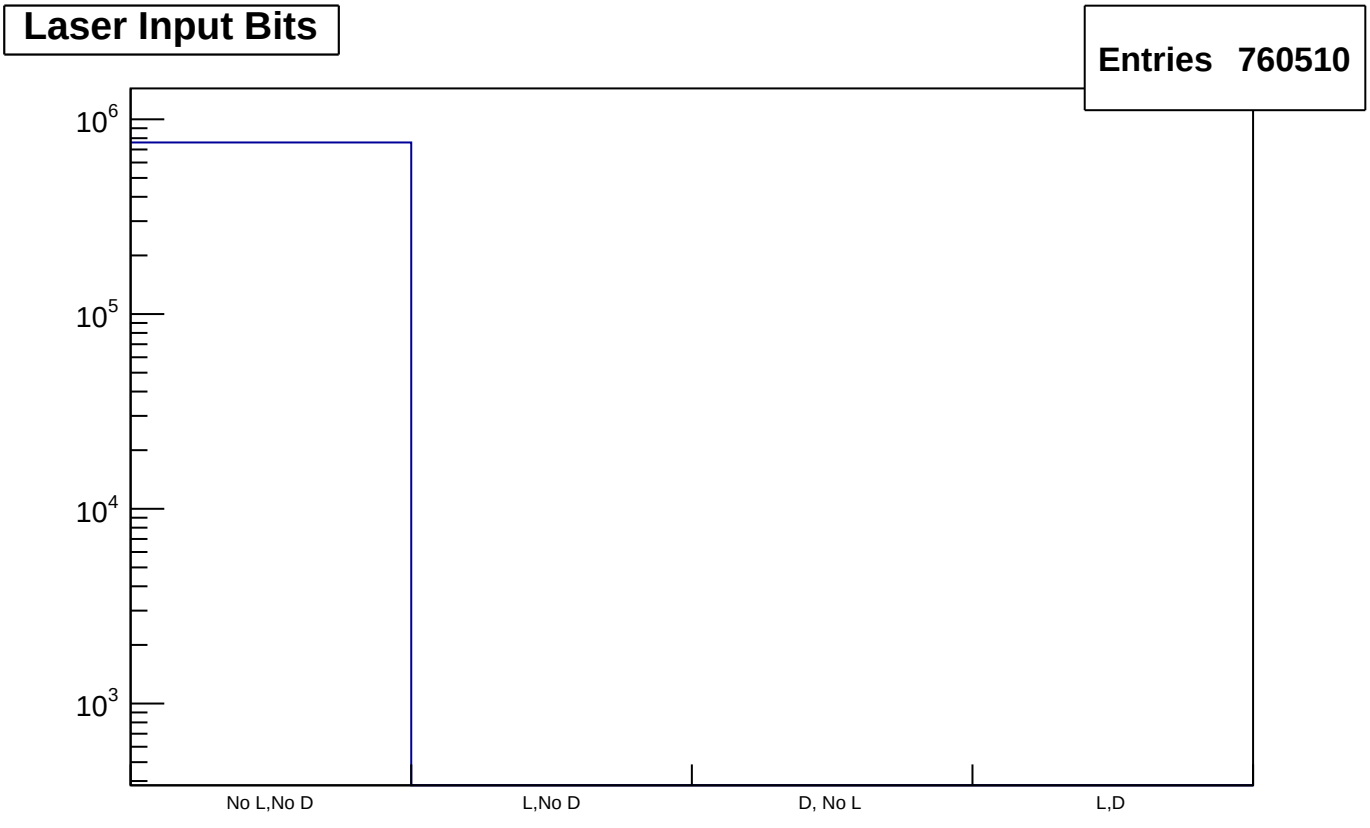

Entries 760510
TOF-Mult
VPD-West ADC Sum

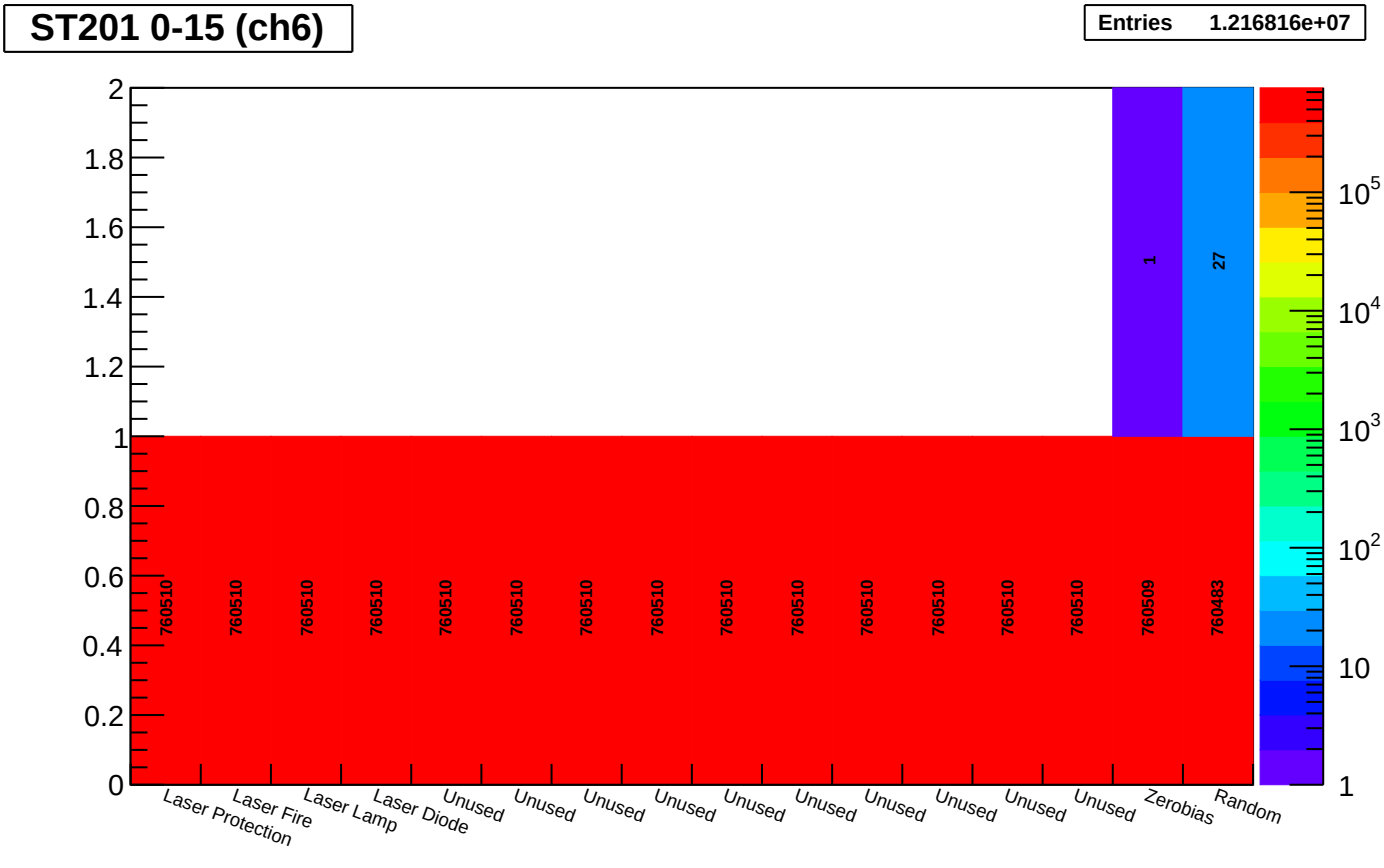

Entries 760510
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

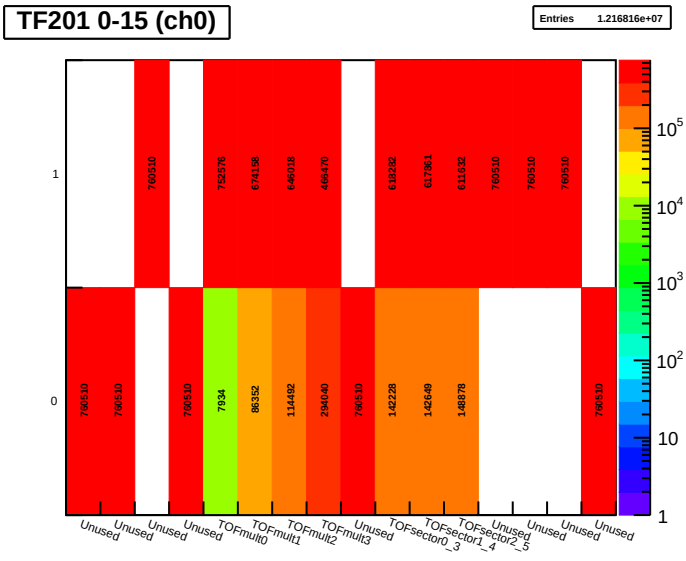

Entries 760510
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

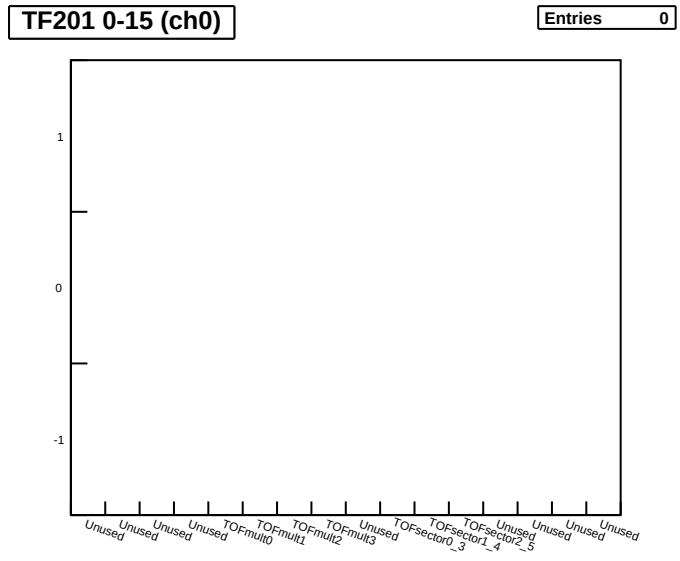

Entries 760510
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

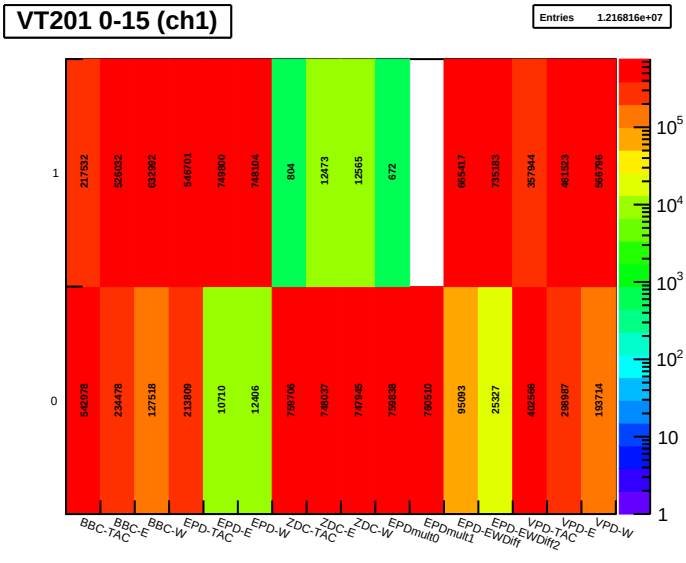

Entries 760510
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

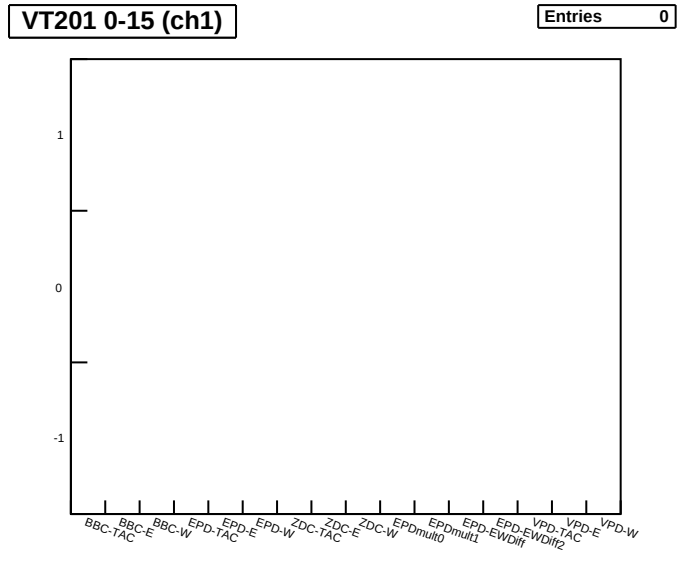

Laser Input Bits
Entries 760510
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

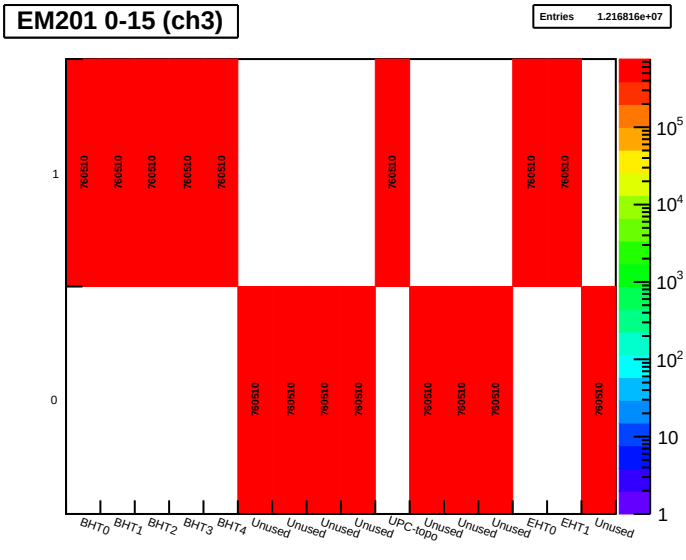

ST201 0-15 (ch6)
Entries 1.216816e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
760510
760510
760510
760510
760510
760510
760510
760510
760510
760510
760510
760510
760510
760510
760509
760483
1
27
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

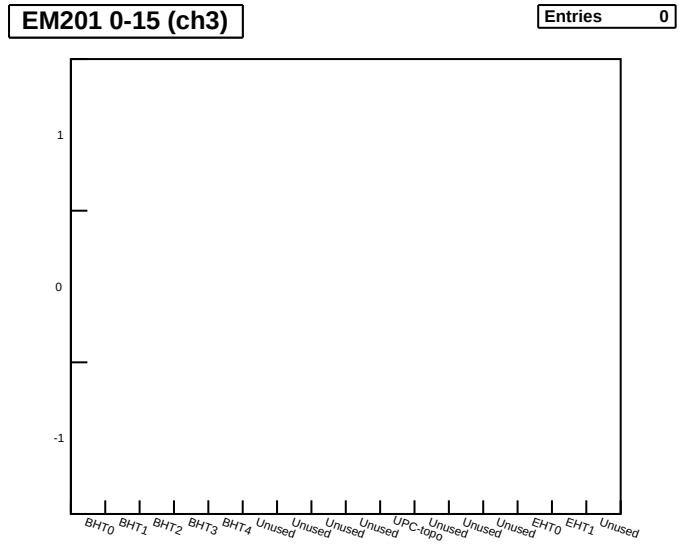

TF201 0-15 (ch0)
Entries 1.216816e+07
760510
732576
674158
646018
466470
618282
617861
611632
760510
760510
760510
760510
760510
7934
86352
114492
294040
760510
142228
142649
148878
760510
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 1.216816e+07
217532
526032
632992
546701
749800
748104
804
12473
12565
672
665417
735183
357944
461523
566786
542978
234478
127518
213809
10710
12406
759706
748037
747945
759838
760510
95093
25327
402566
298987
193714
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


VT201 0-15 (ch1)
Entries 0
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 1.216816e+07
760510
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


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