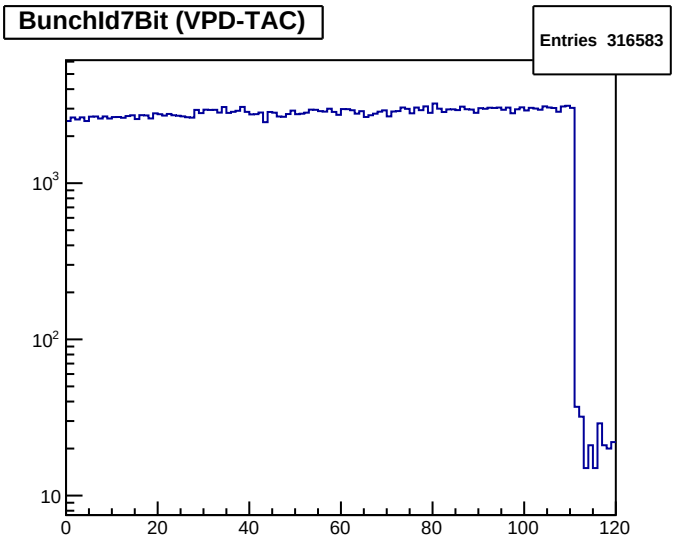
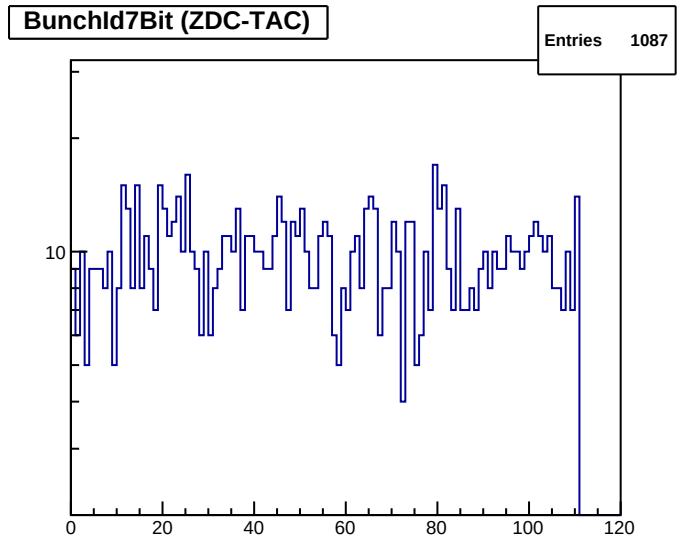
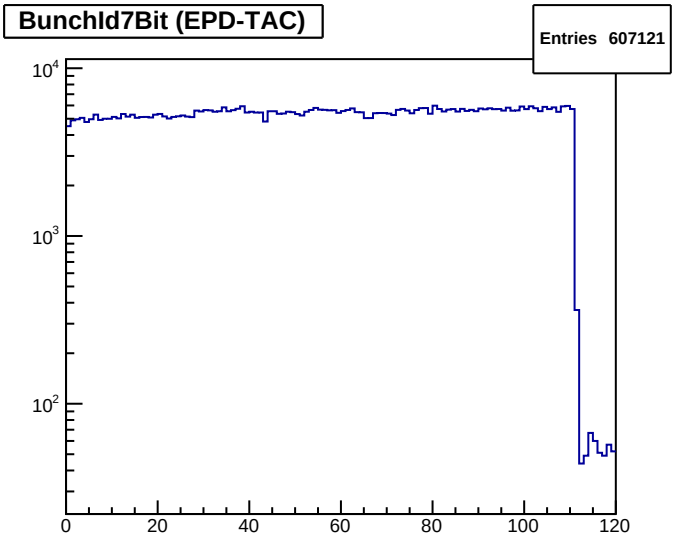
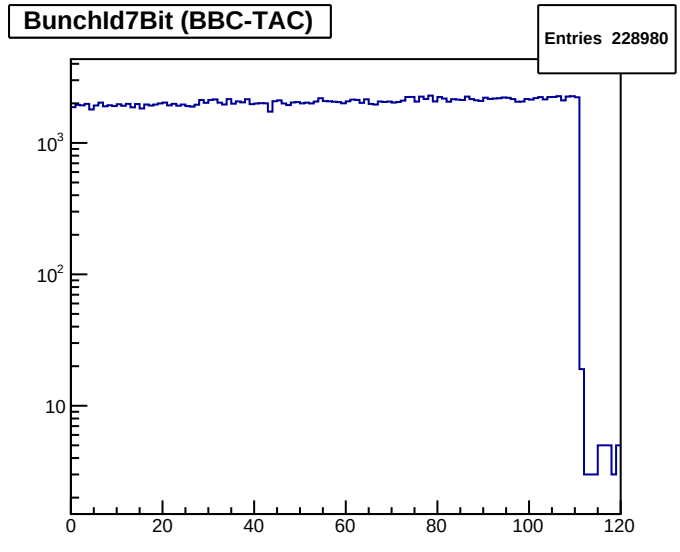
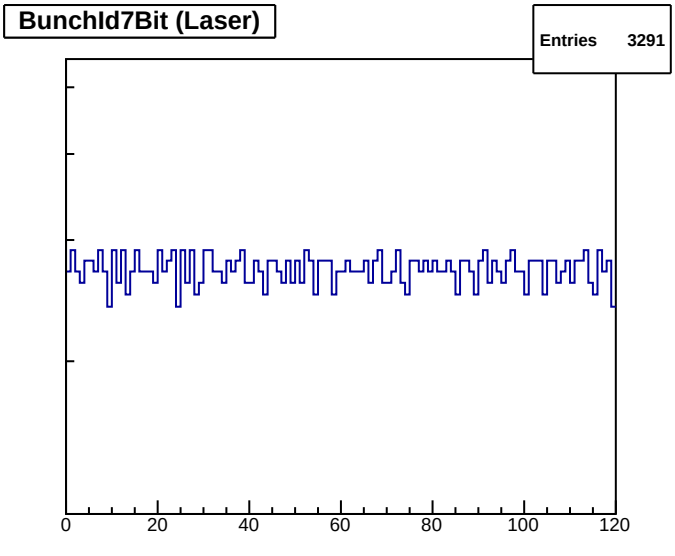
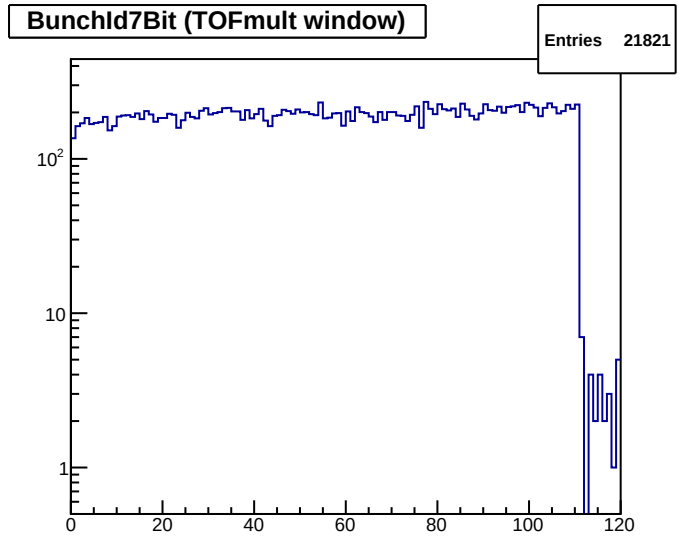

BunchId7Bit (VPD-TAC)
Entries 316583
10^3
10^2
10
0 20 40 60 80 100 120

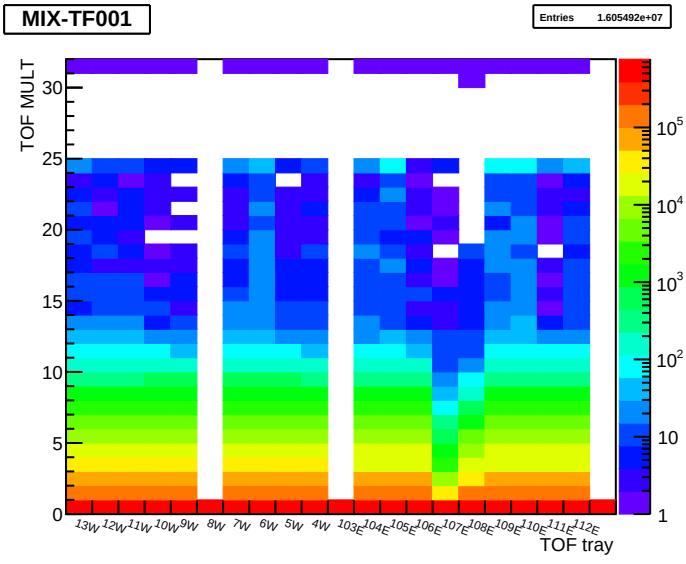

BunchId7Bit (ZDC-TAC)
Entries 1087
10
0 20 40 60 80 100 120

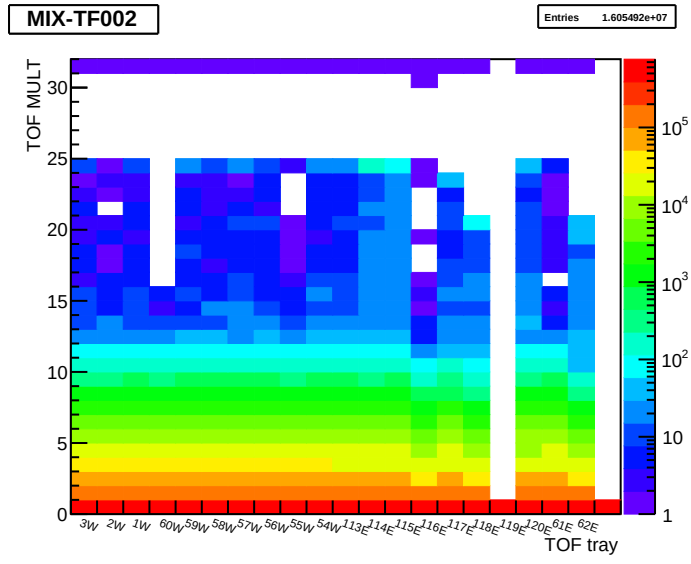

BunchId7Bit (EPD-TAC)
Entries 607121
10^4
10^3
10^2
0 20 40 60 80 100 120

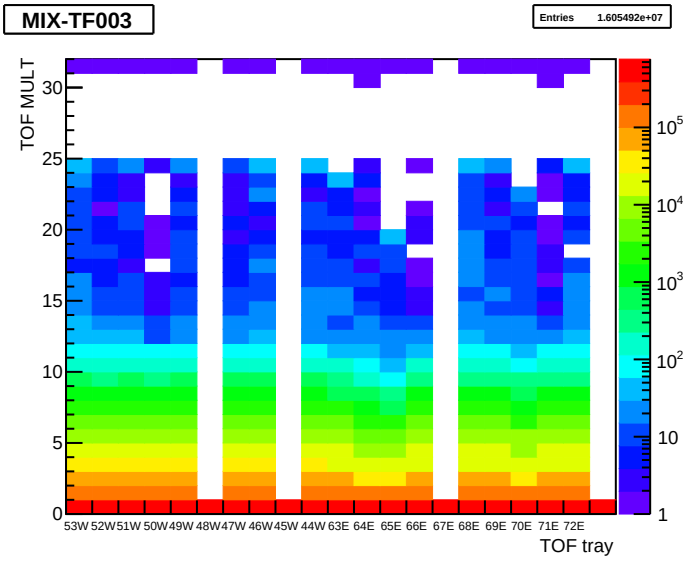

BunchId7Bit (BBC-TAC)
Entries 228980
10^3
10^2
10
0 20 40 60 80 100 120

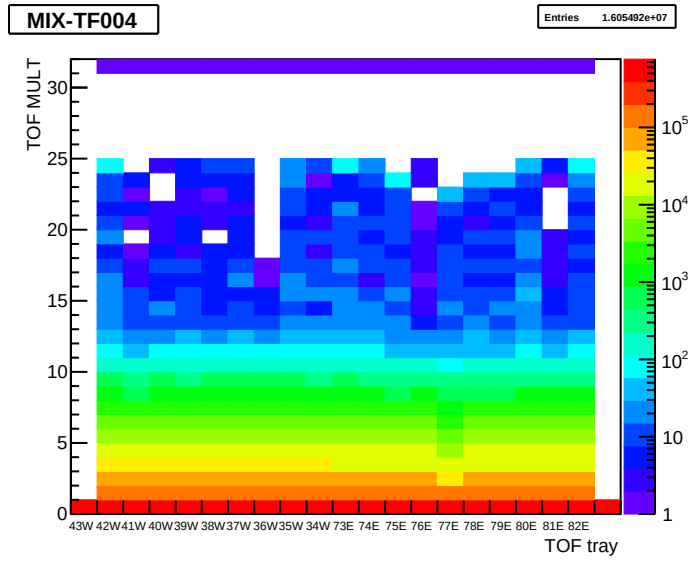

BunchId7Bit (Laser)
Entries 3291
0 20 40 60 80 100 120

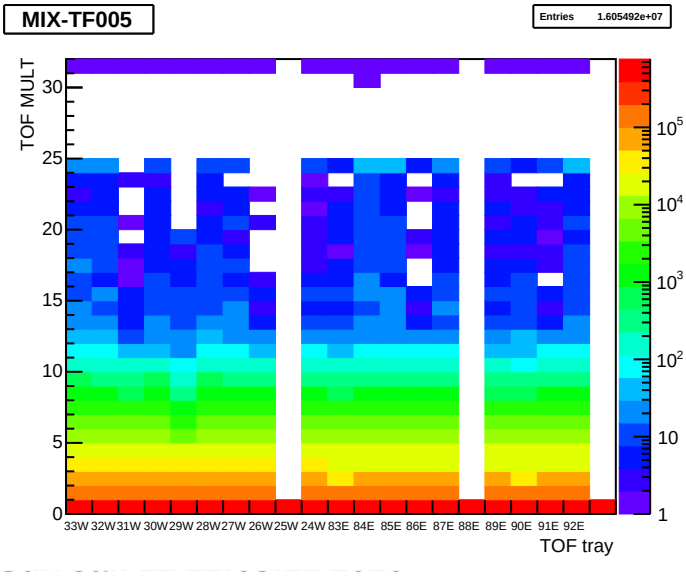

BunchId7Bit (TOFmult window)
Entries 21821
10^2
10
1
0 20 40 60 80 100 120

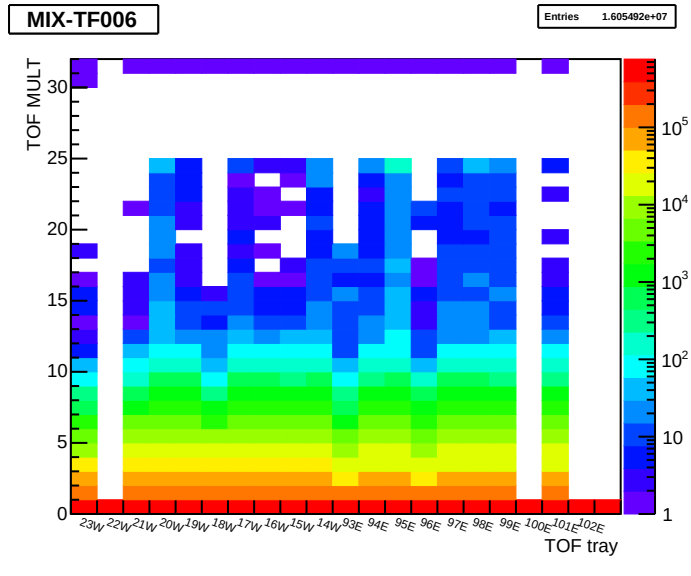

MIX-TF001
Entries 1.605492e+07
TOF MULT
TOF tray

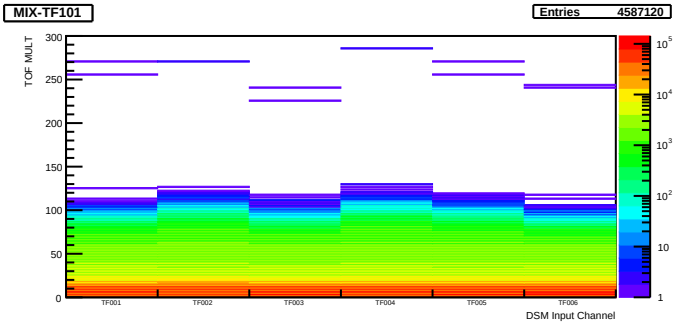

MIX-TF002
Entries 1.605492e+07
TOF MULT
TOF tray

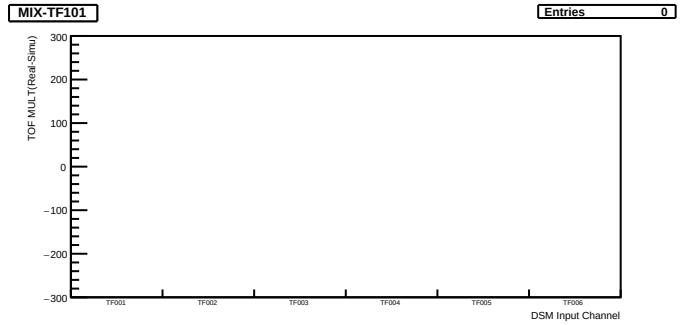

MIX-TF003
Entries 1.605492e+07
TOF MULT
TOF tray

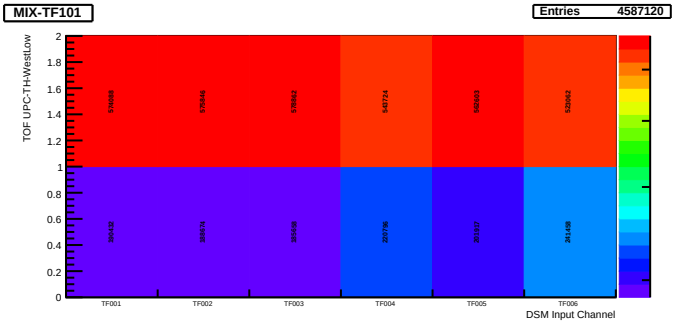

MIX-TF004
Entries 1.605492e+07
TOF MULT
TOF tray

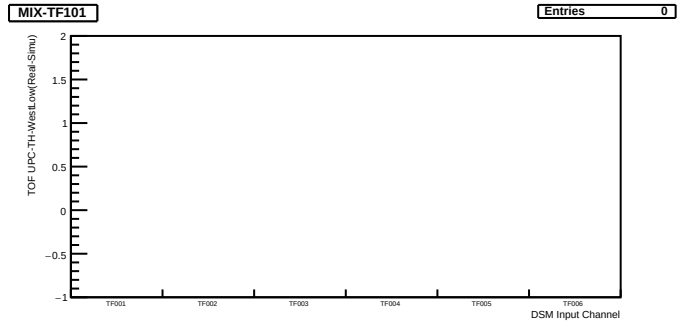

MIX-TF005
Entries 1.605492e+07
TOF MULT
TOF tray

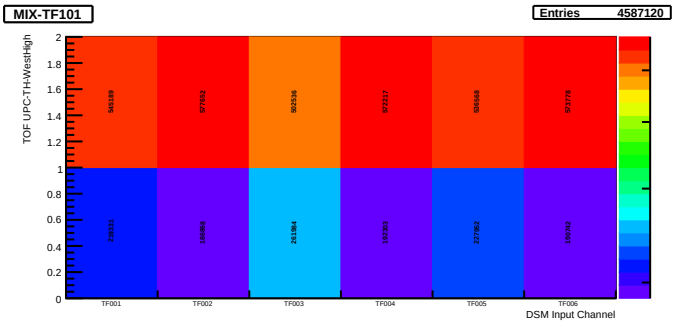

MIX-TF006
Entries 1.605492e+07
TOF MULT
TOF tray

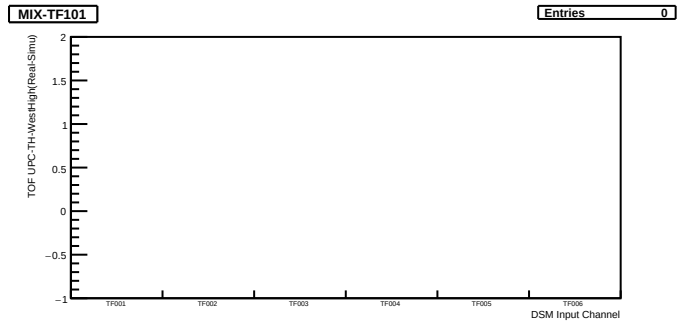

MIX-TF101
Entries 4587120
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

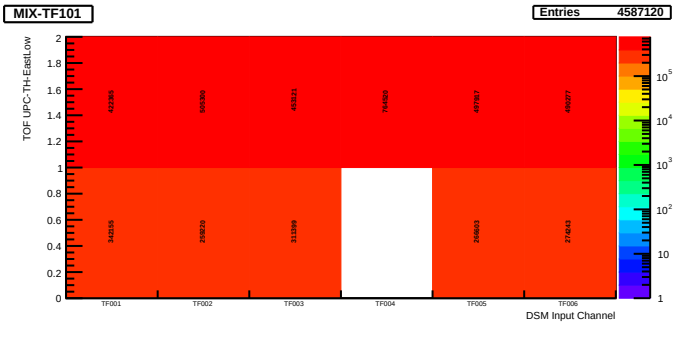

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

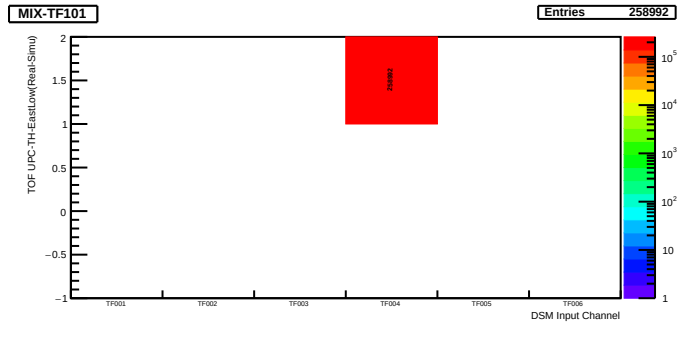

MIX-TF101
Entries 4587120
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

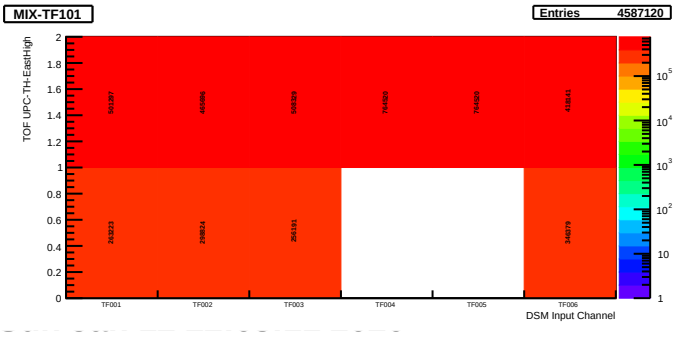

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

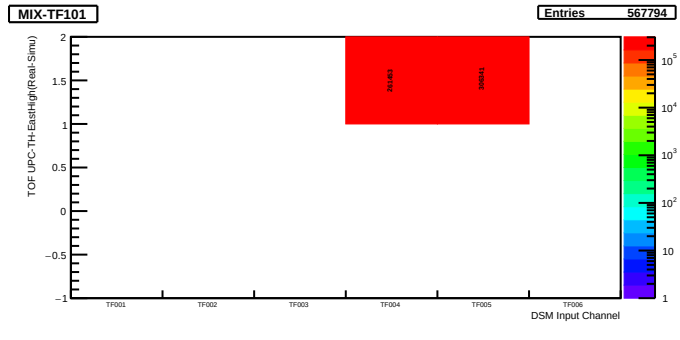

MIX-TF101
Entries 4587120
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

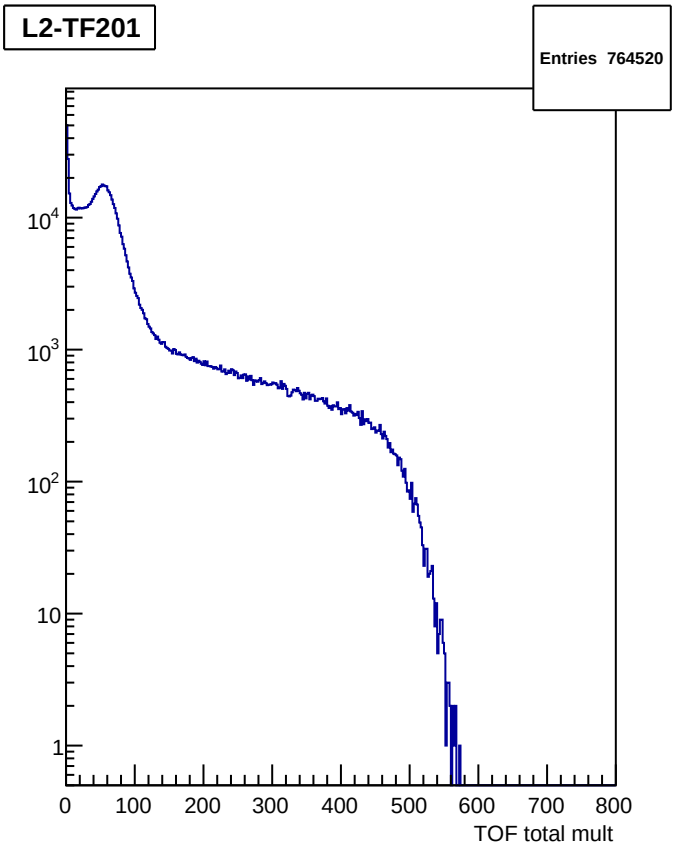

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

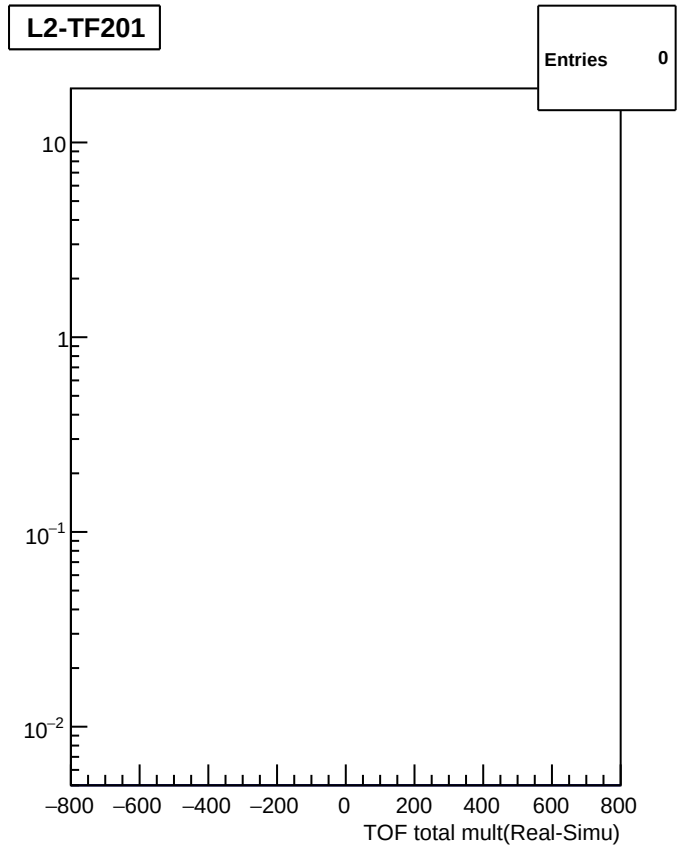

MIX-TF101
Entries 4587120
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

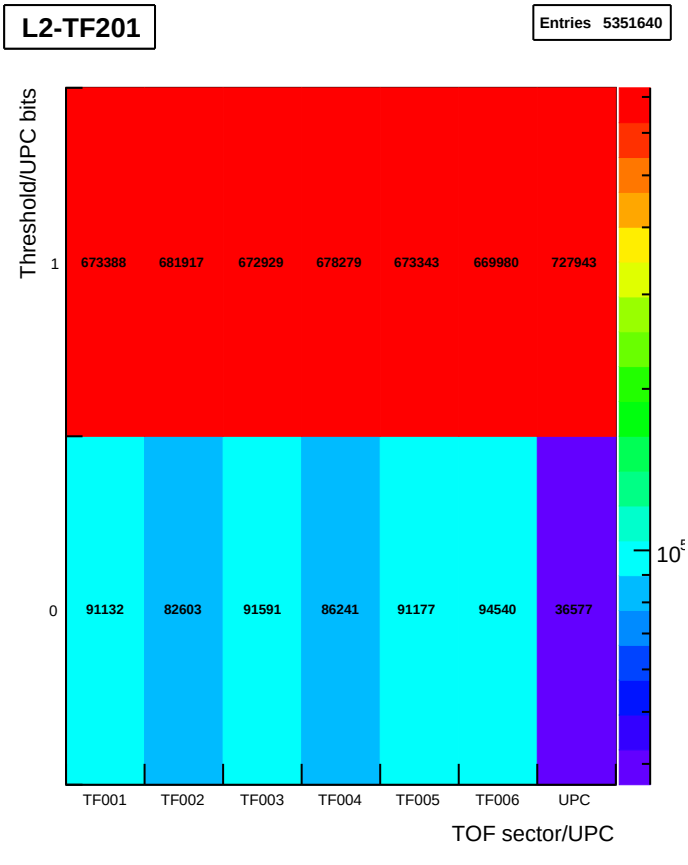

MIX-TF101
Entries 258992
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

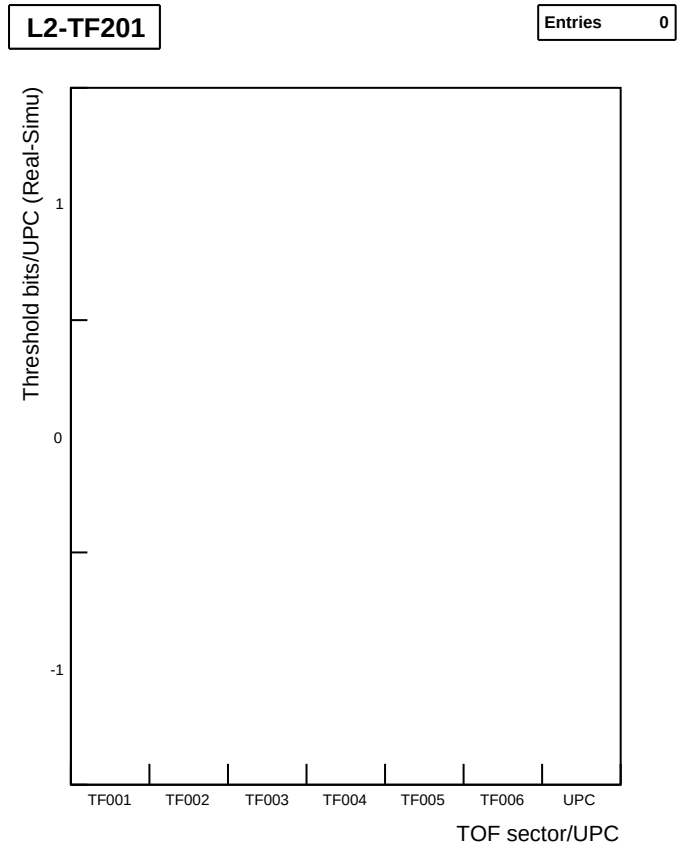

MIX-TF101
Entries 4587120
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

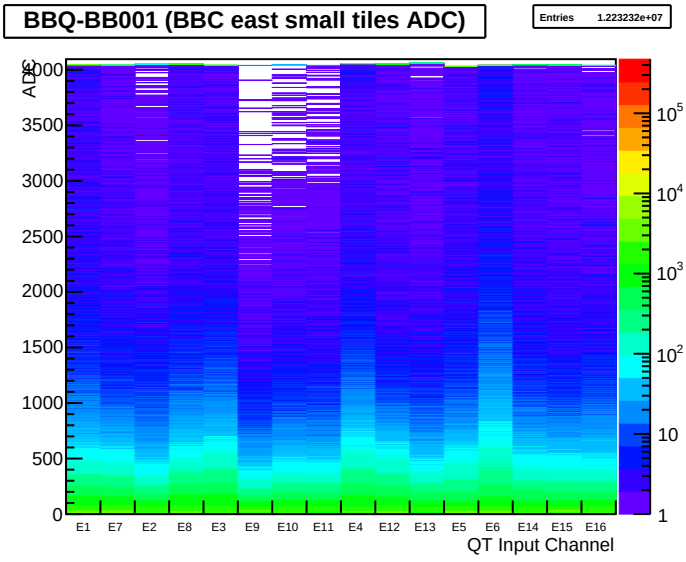

MIX-TF101
Entries 567794
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

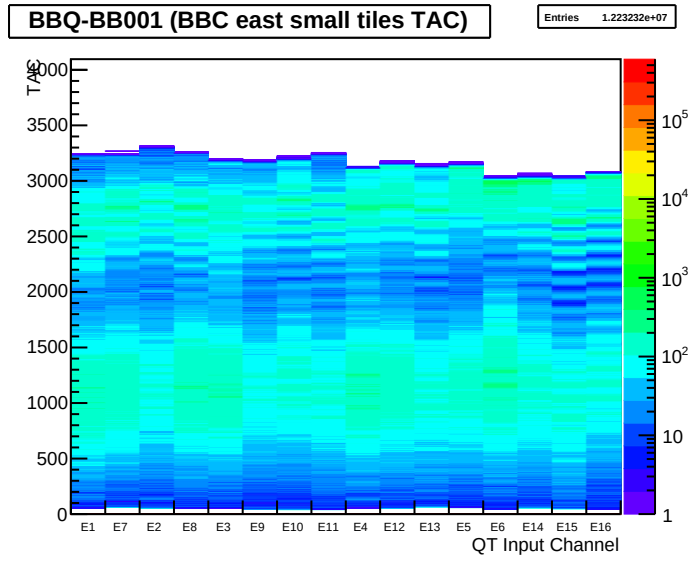

L2-TF201
Entries 764520
TOF total mult

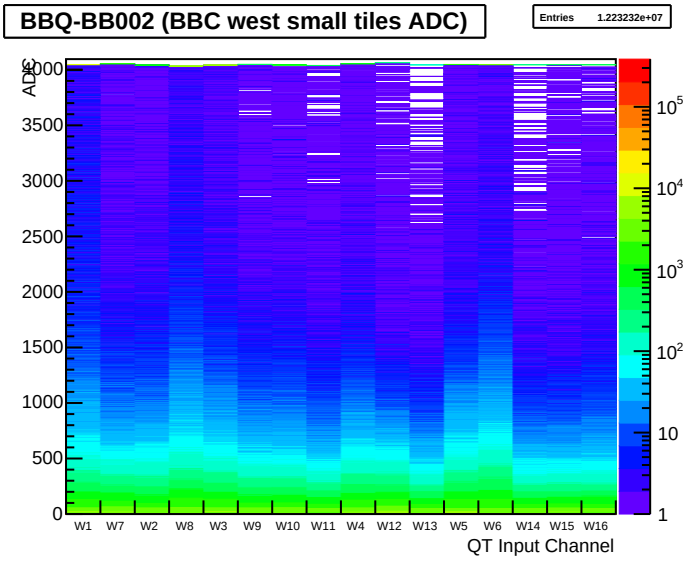

L2-TF201
Entries 0
TOF total mult(Real-Simu)

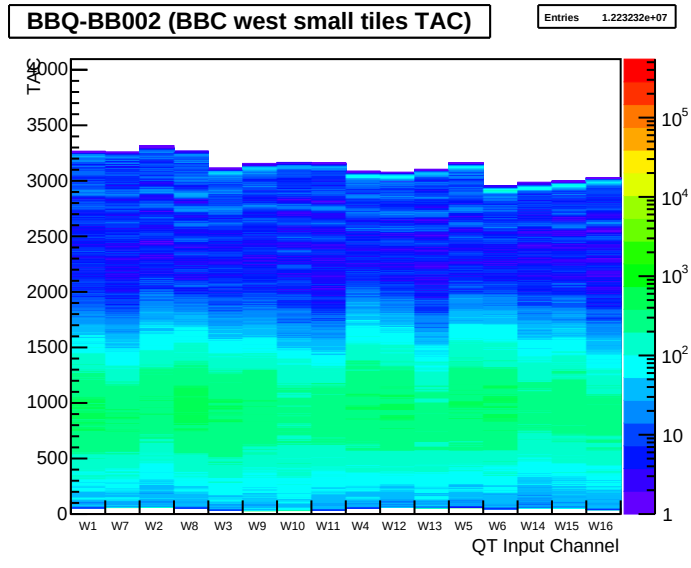

L2-TF201
Entries 5351640
Threshold/UPC bits
673388
681917
672929
678279
673343
669980
727943
91132
82603
91591
86241
91177
94540
36577
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

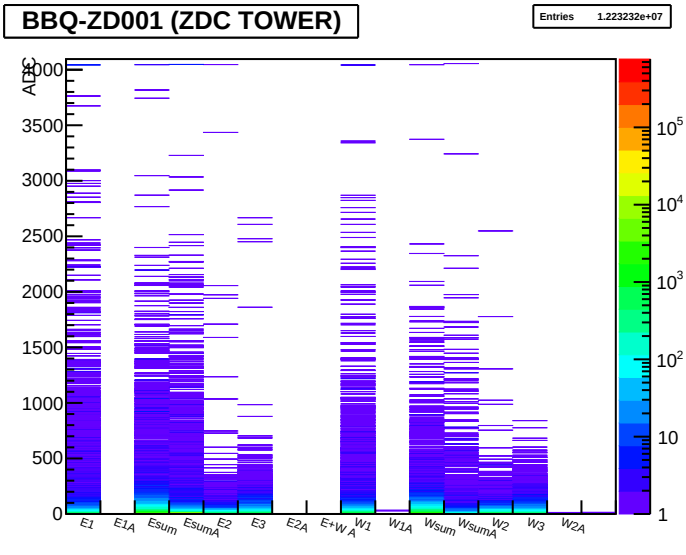

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

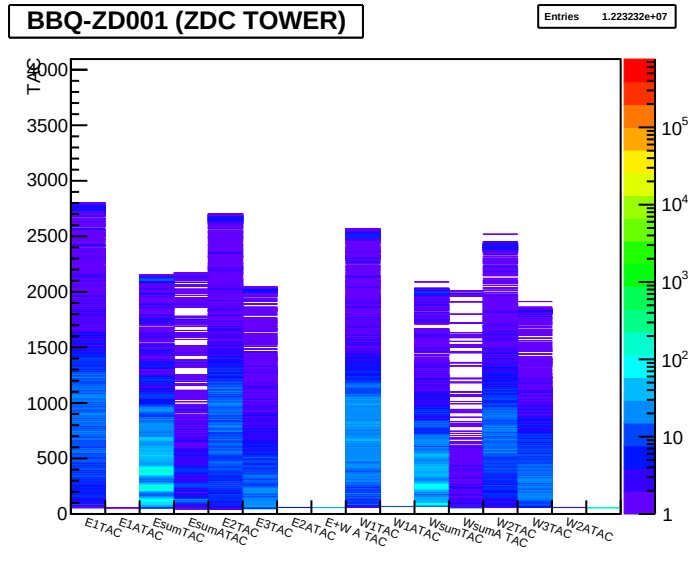

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.223232e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

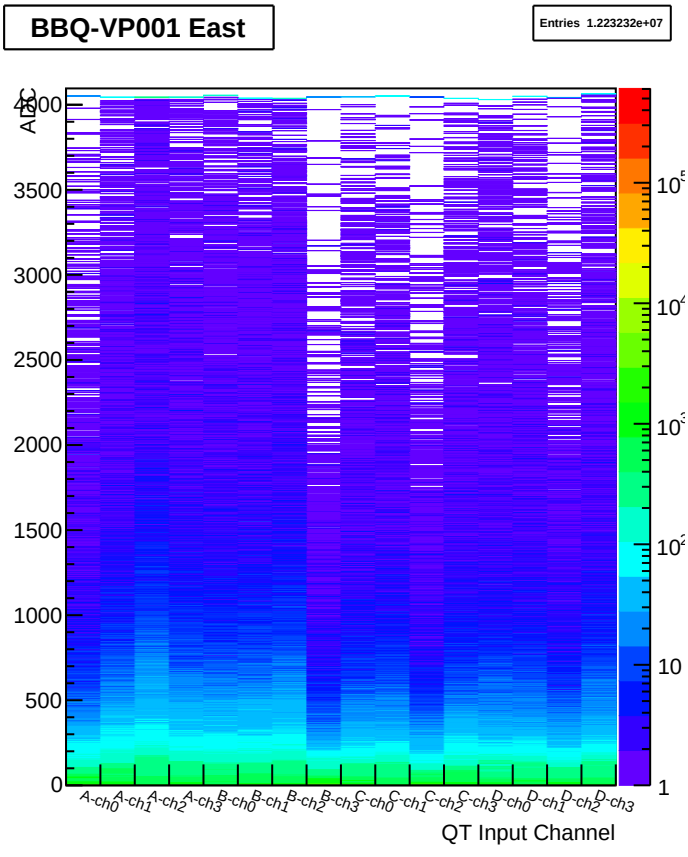

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.223232e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

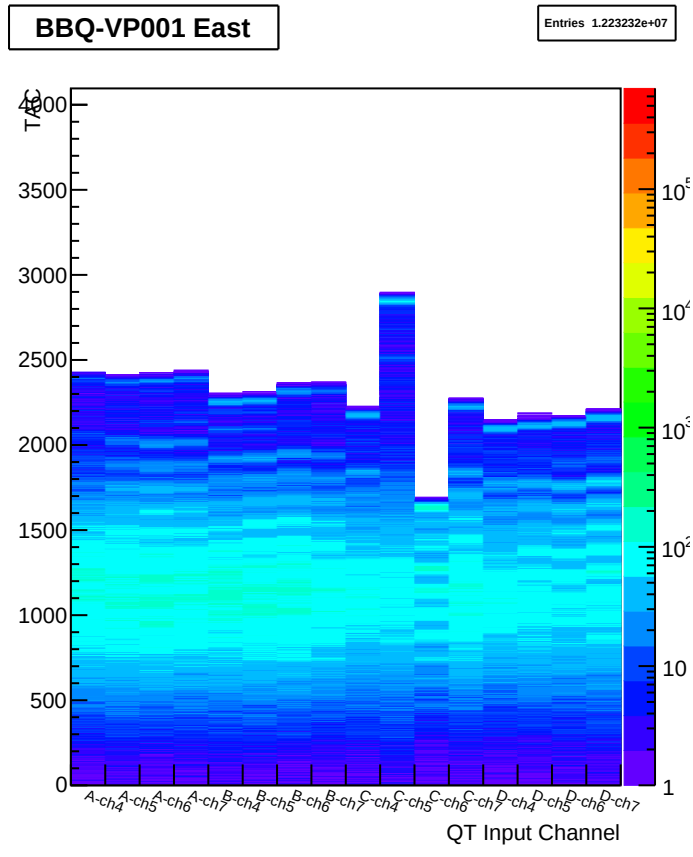

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.223232e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

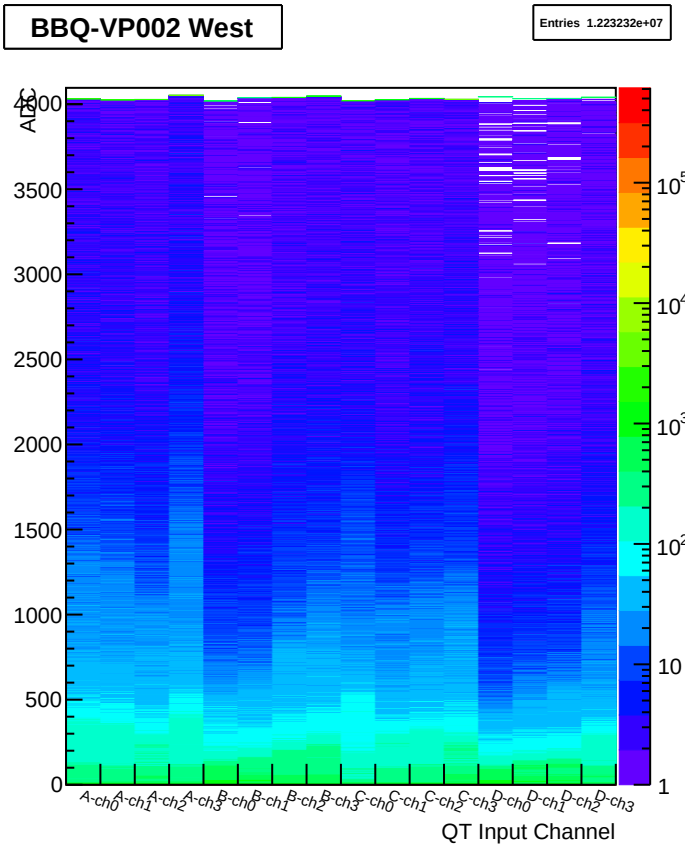

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.223232e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

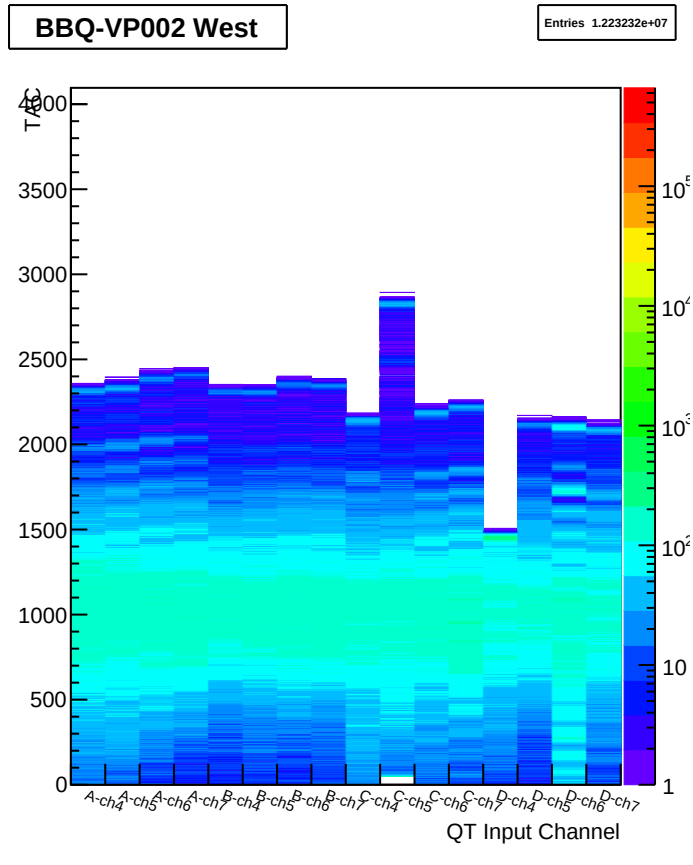

BBQ-ZD001 (ZDC TOWER)
Entries 1.223232e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

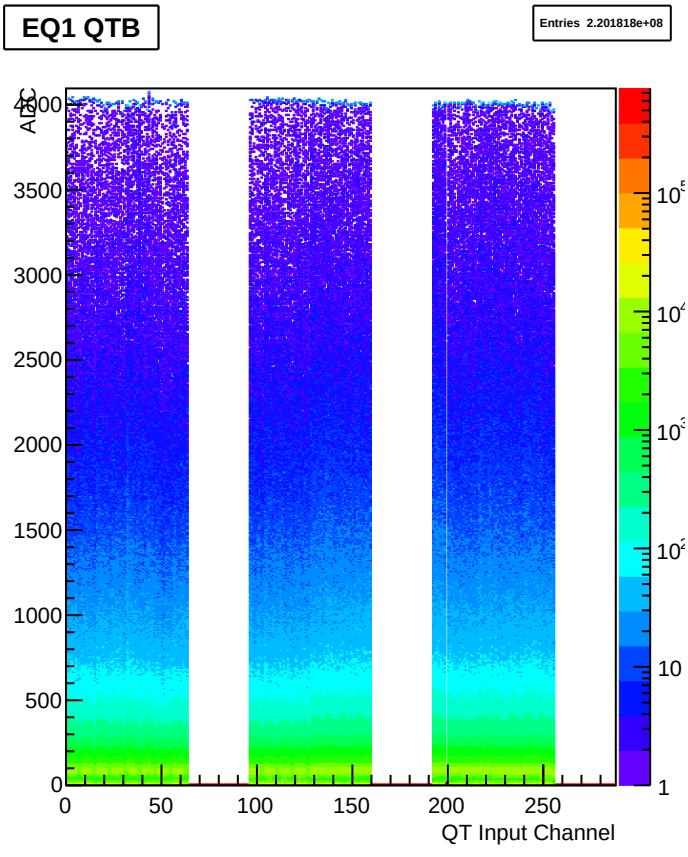

BBQ-ZD001 (ZDC TOWER)
Entries 1.223232e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

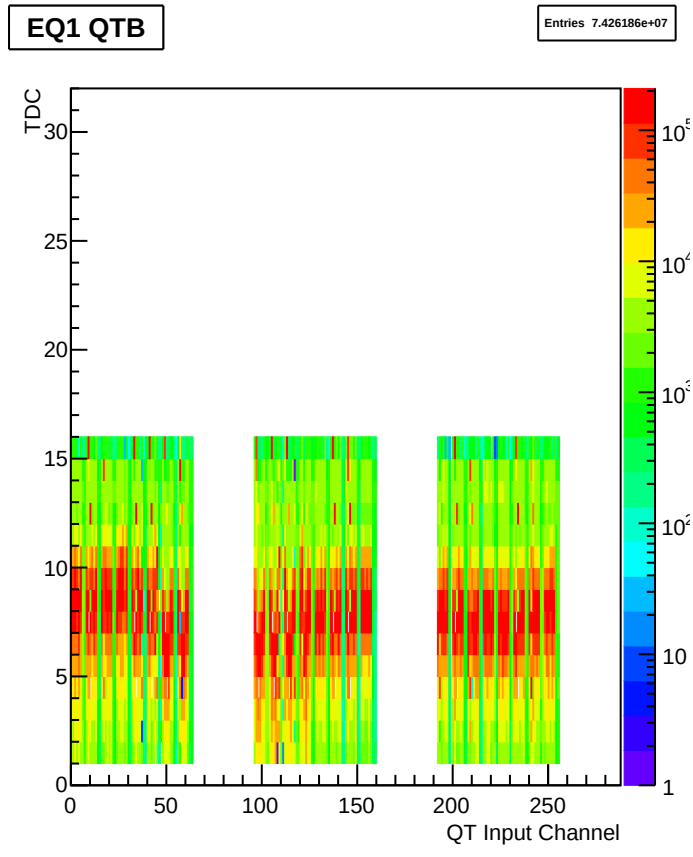

BBQ-VP001 East
Entries 1.223232e+07
ADC
QT Input Channel

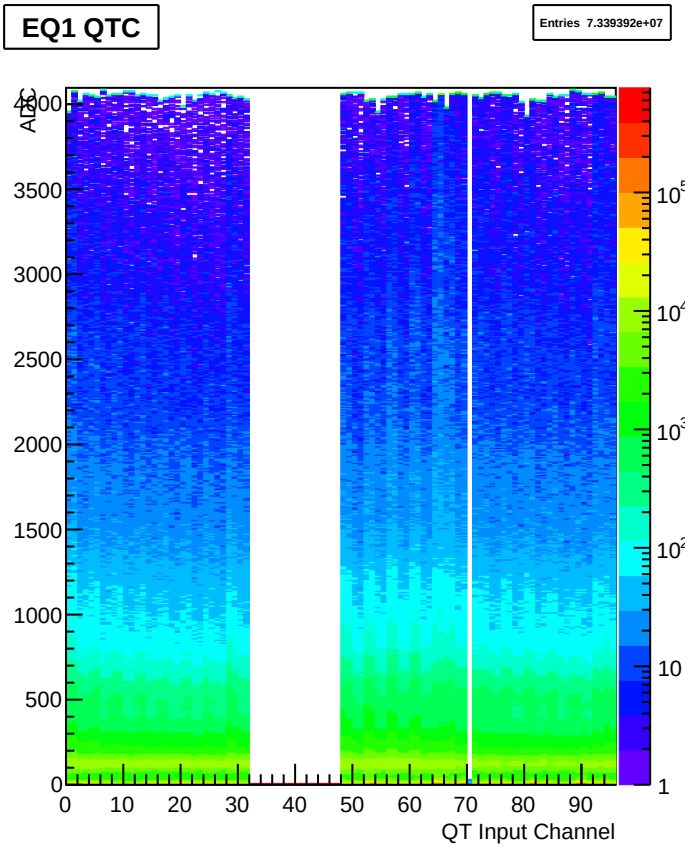

BBQ-VP001 East
Entries 1.223232e+07
ADC
QT Input Channel

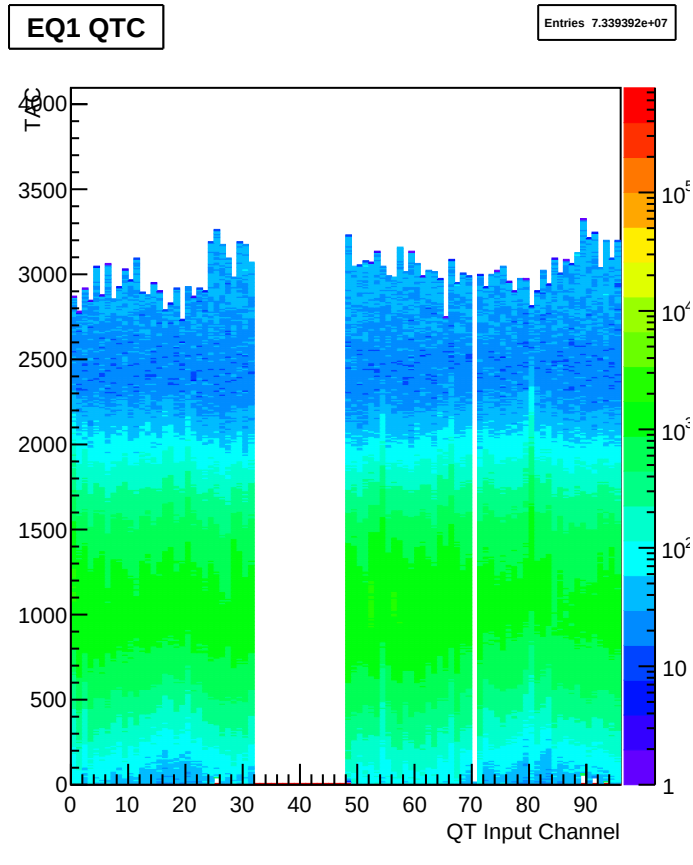

BBQ-VP002 West
Entries 1.223232e+07
ADC
QT Input Channel

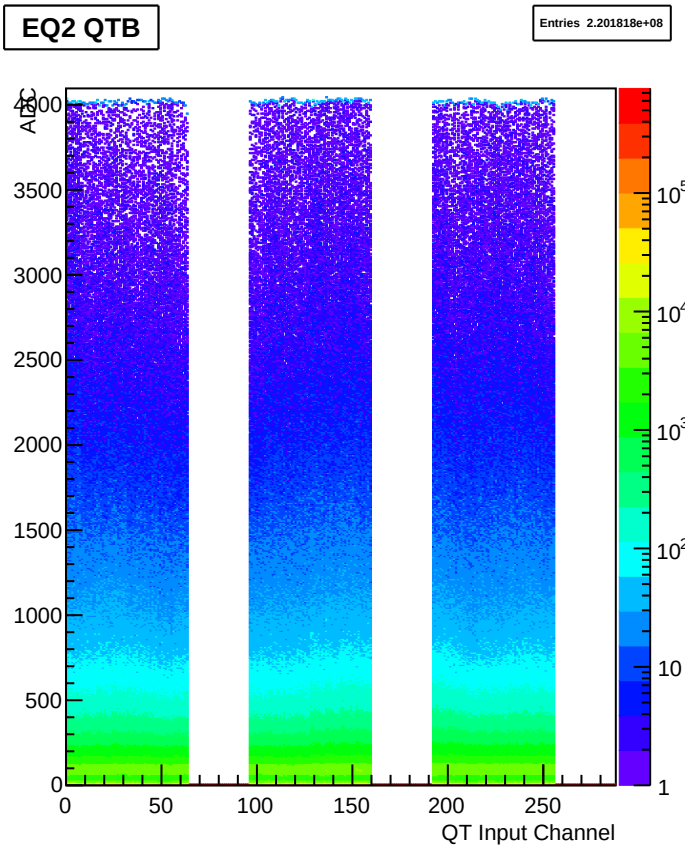

BBQ-VP002 West
Entries 1.223232e+07
ADC
QT Input Channel

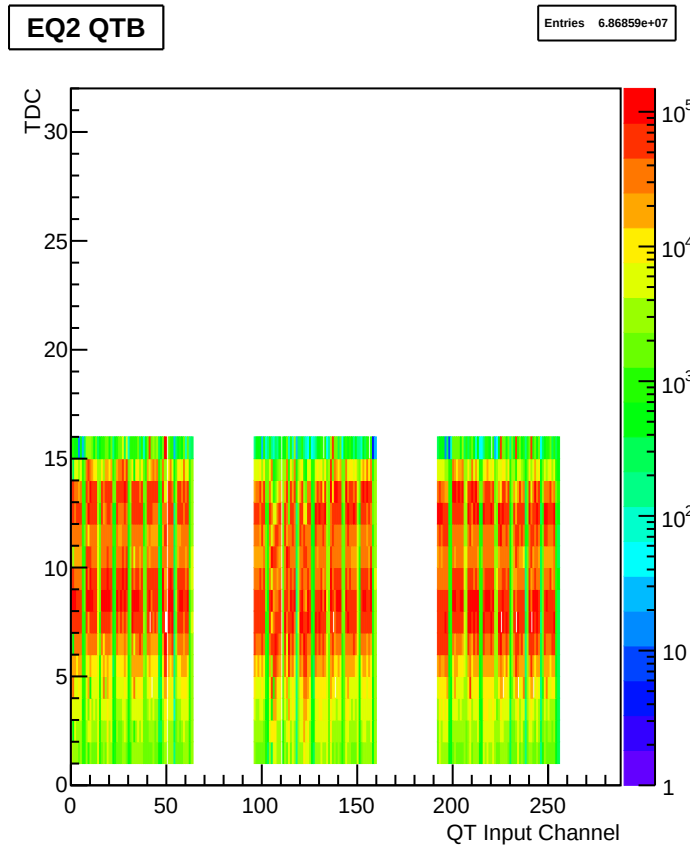

EQ1 QTB
Entries 2.201818e+08
ADC
QT Input Channel

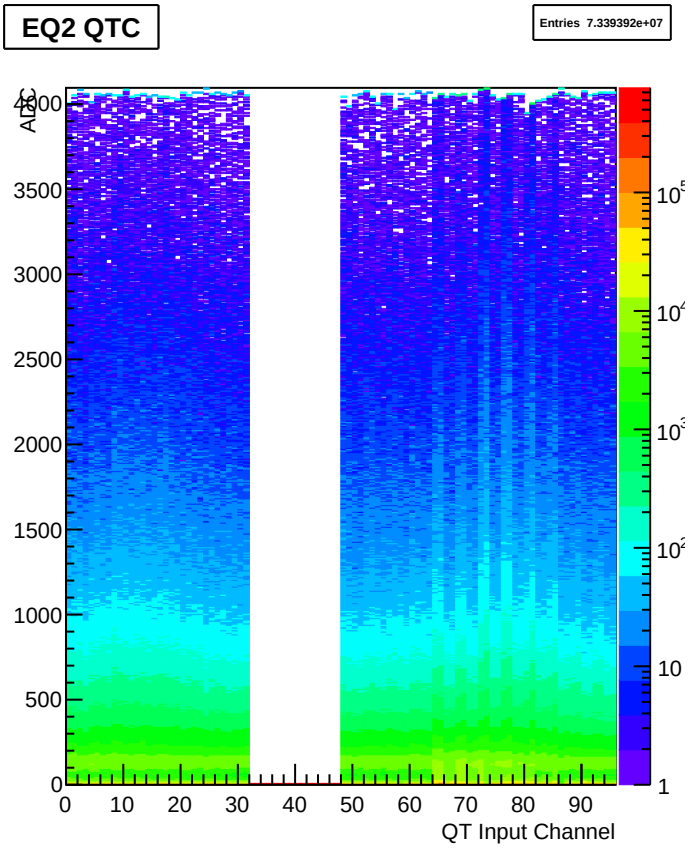

EQ1 QTB
Entries 7.426186e+07
TDC
QT Input Channel

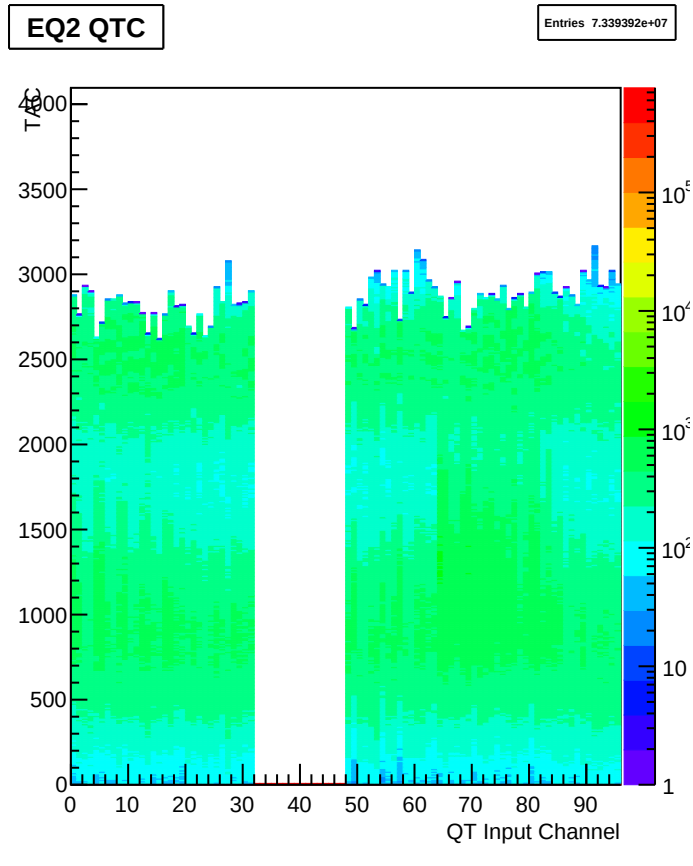

EQ1 QTC
Entries 7.339392e+07
ADC
QT Input Channel

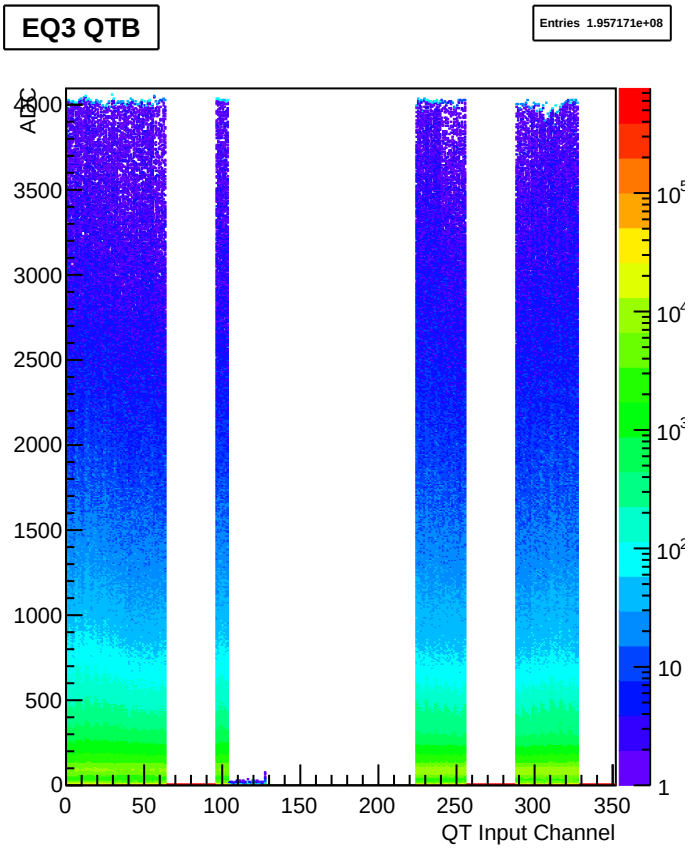

EQ1 QTC
Entries 7.339392e+07
TADC
QT Input Channel

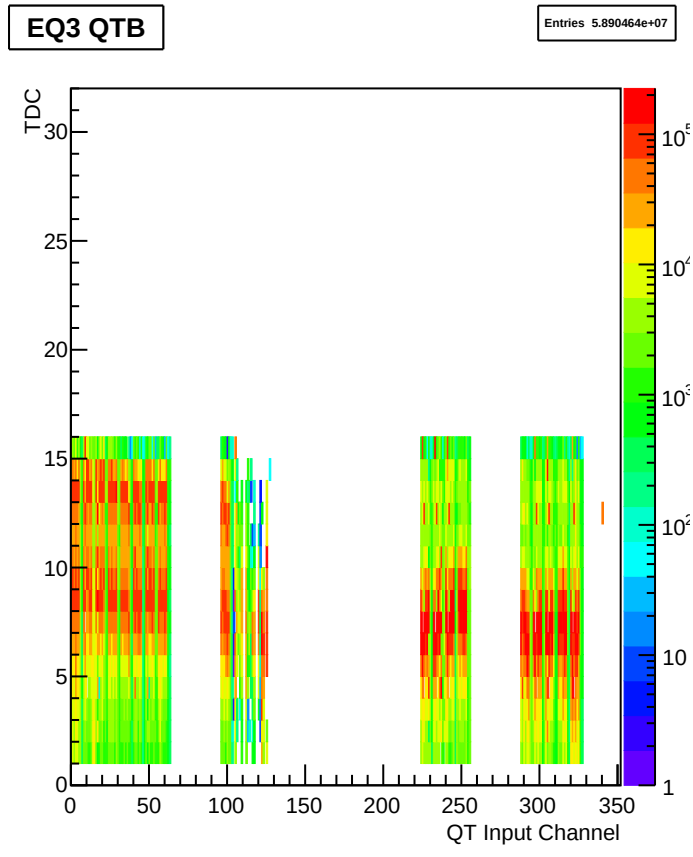

EQ2 QTB
Entries 2.201818e+08
ADC
QT Input Channel

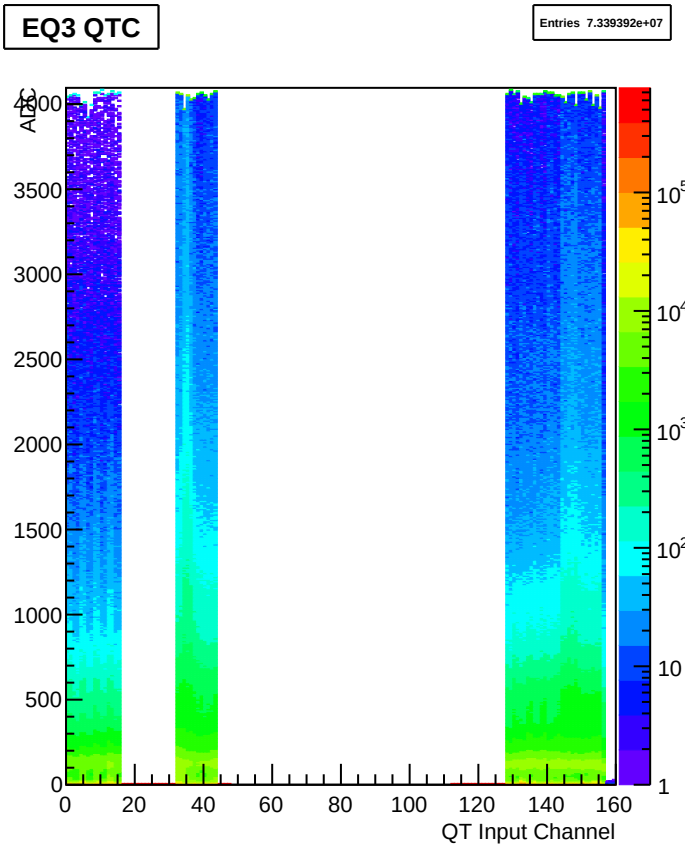

EQ2 QTB
Entries 6.86859e+07
TDC
QT Input Channel

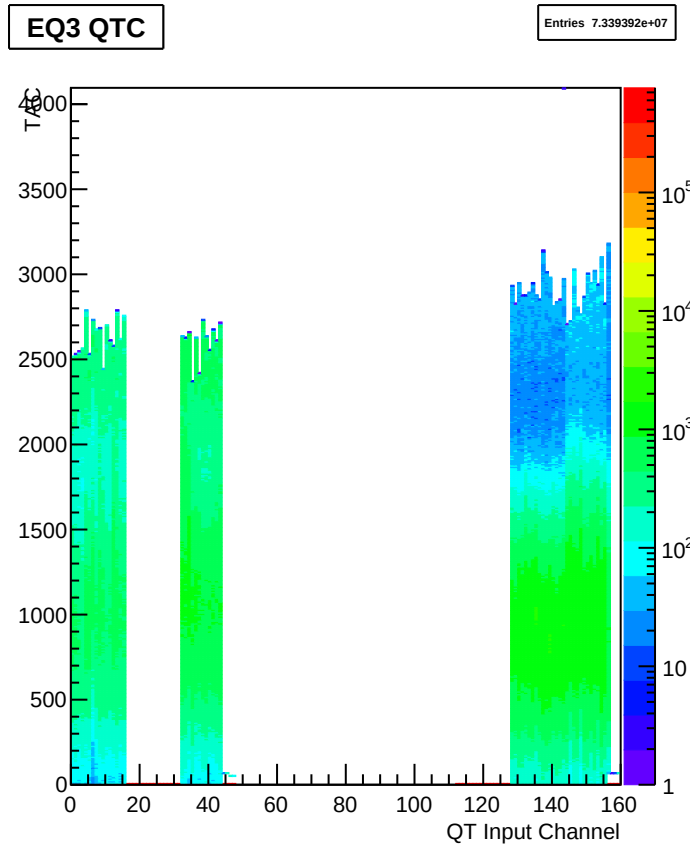

EQ2 QTC
Entries 7.339392e+07
ADC
QT Input Channel

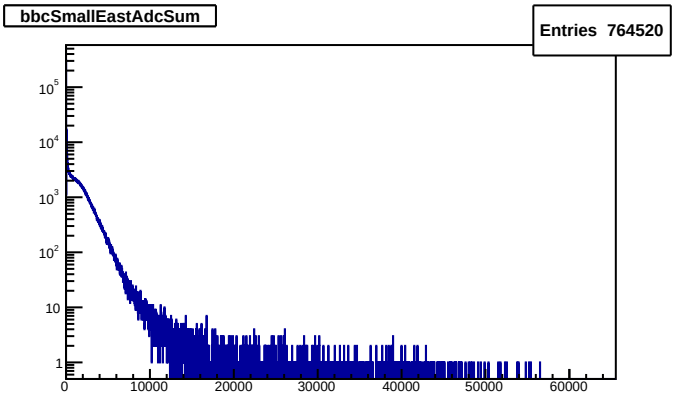

EQ2 QTC
Entries 7.339392e+07
TADC
QT Input Channel

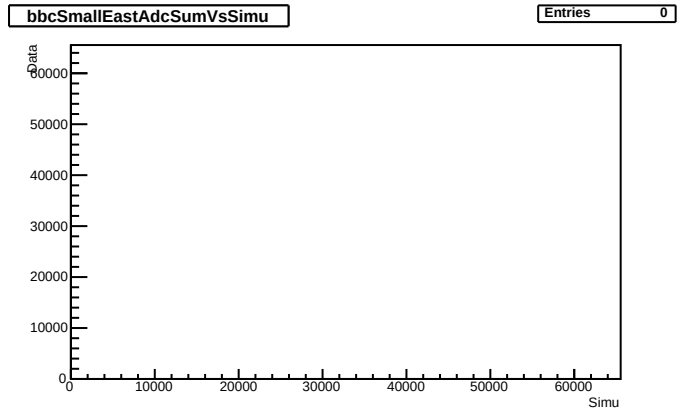

EQ3 QTB
Entries 1.957171e+08
ADC
QT Input Channel

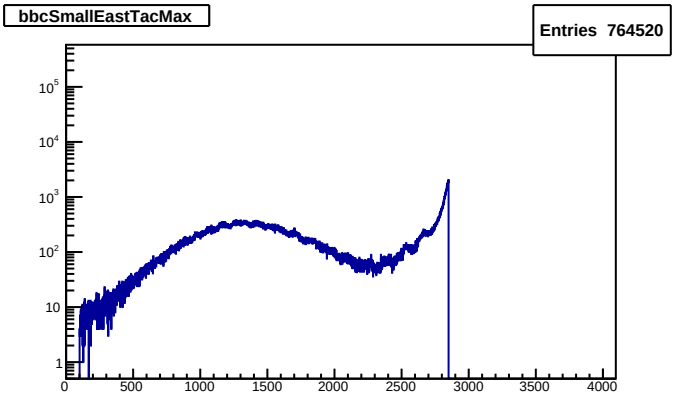

EQ3 QTB
Entries 5.890464e+07
TDC
QT Input Channel

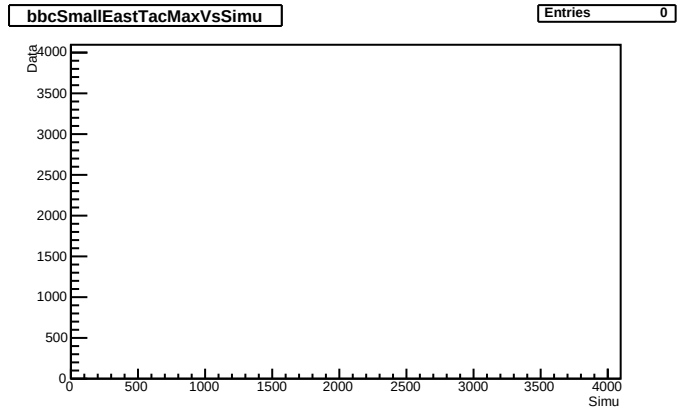

EQ3 QTC
Entries 7.339392e+07
ADC
QT Input Channel

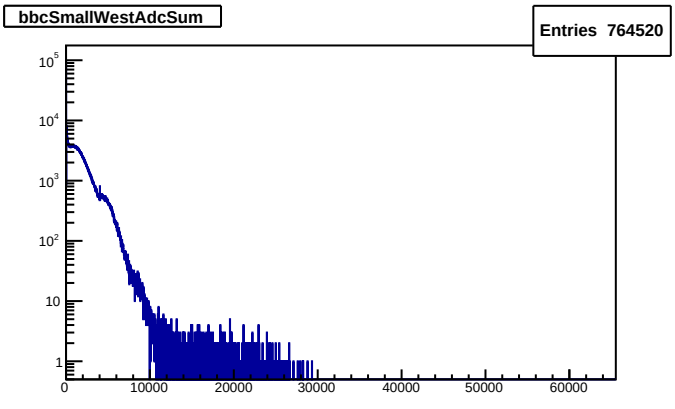

EQ3 QTC
Entries 7.339392e+07
TADC
QT Input Channel

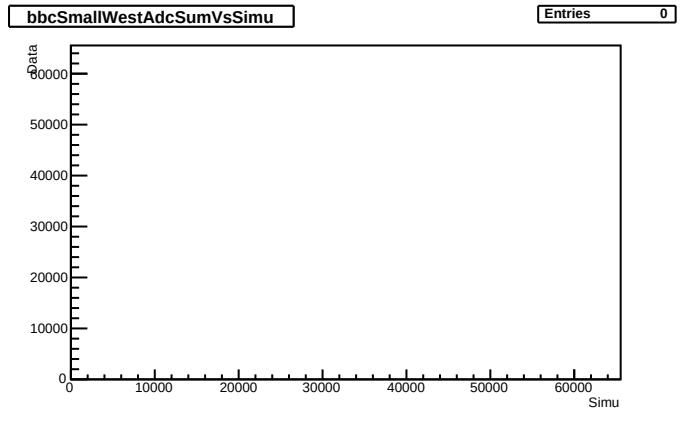

bbcSmallEastAdcSum
Entries 764520


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 764520


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 764520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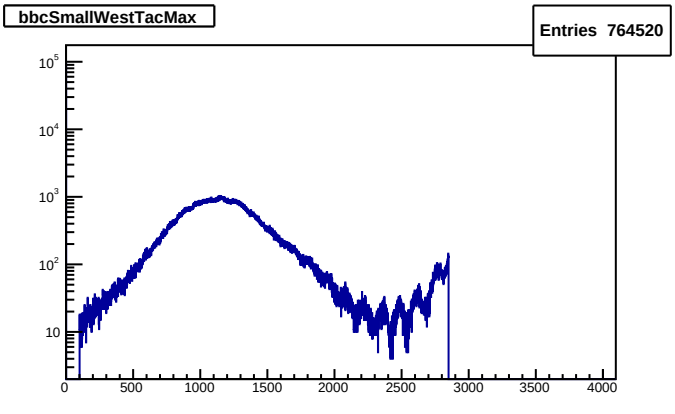
Entries 0
Data
Simu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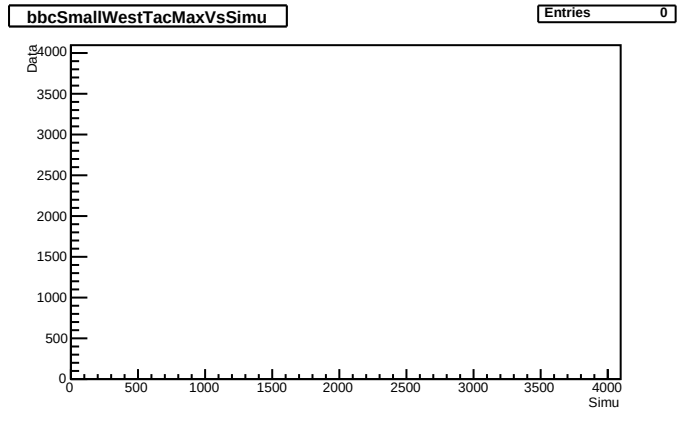
Entries 764520


bbcSmallWestTacMaxVsSimu
Entries 0
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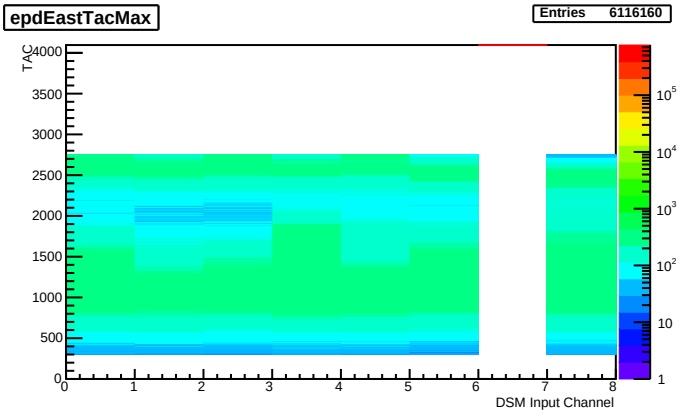
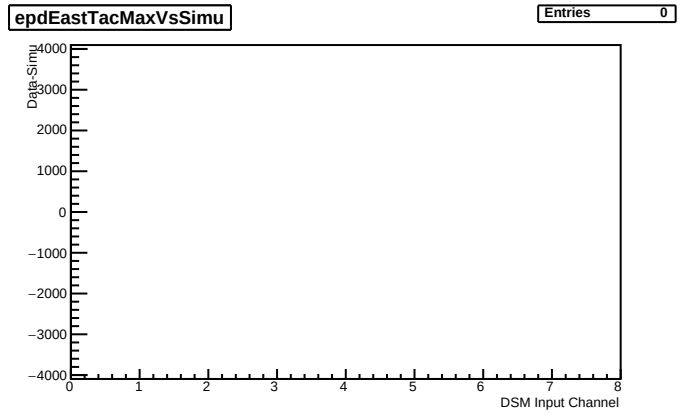
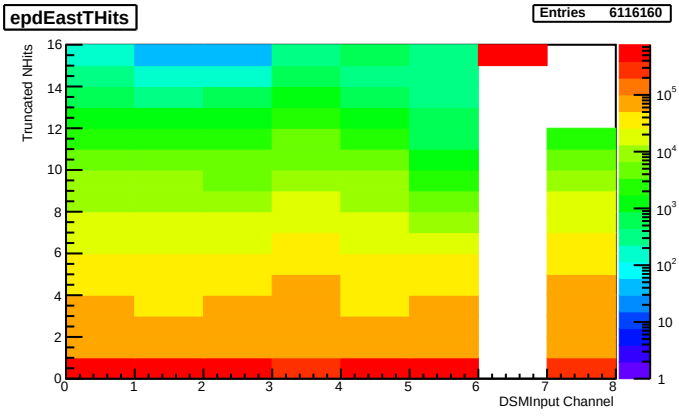
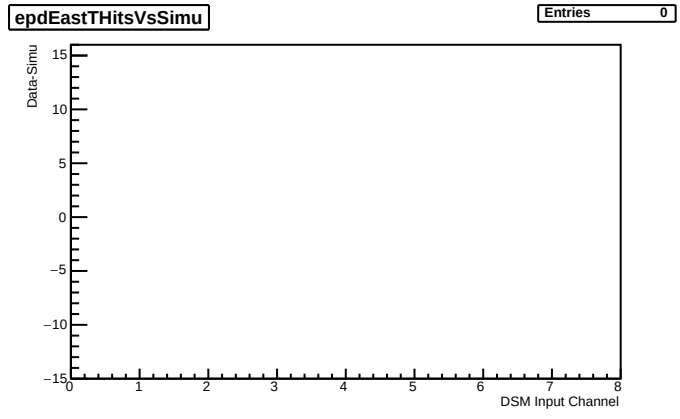
Simu


epdEastTacMax
Entries 6116160
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 6116160
Truncated NHits
DSMInput Channel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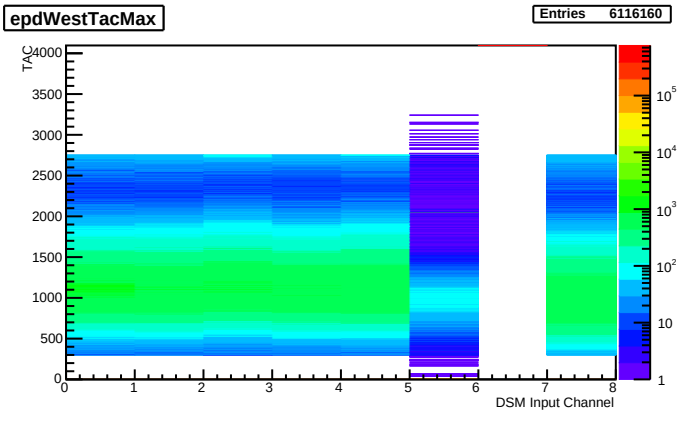
Data-Simu
DSM Input Channel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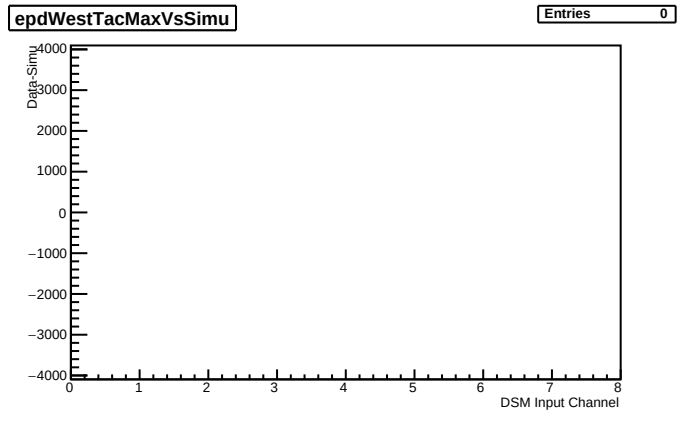
Entries 6116160
TAC
DSM Input Channel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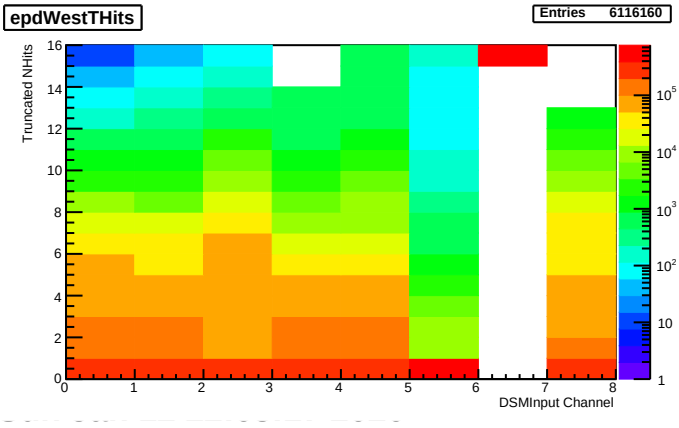
Data-Simu
DSM Input Channel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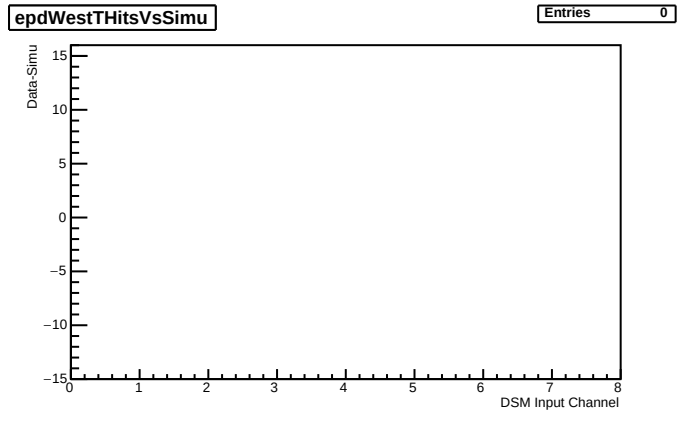
Entries 6116160
Truncated NHits
DSMInput Channel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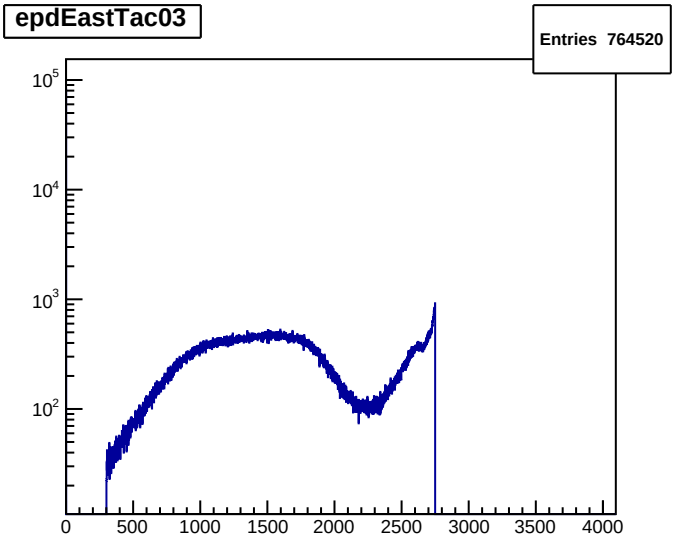
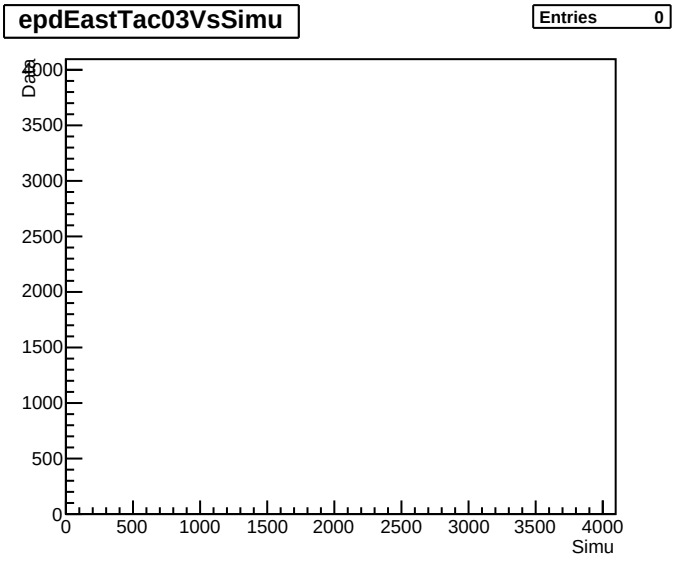
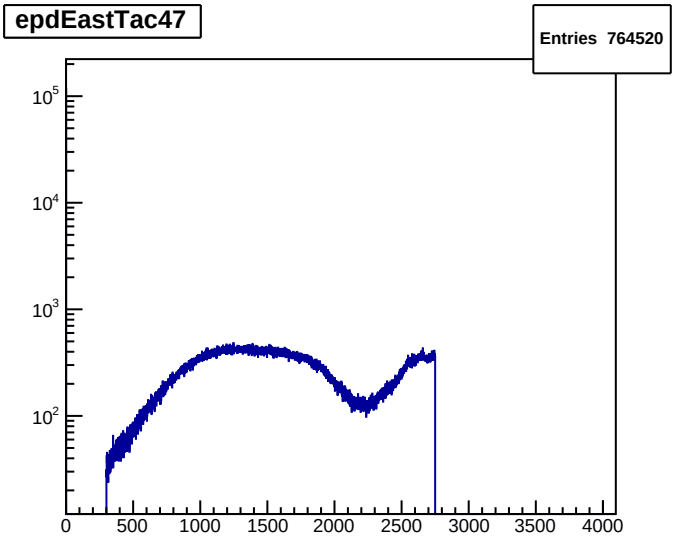
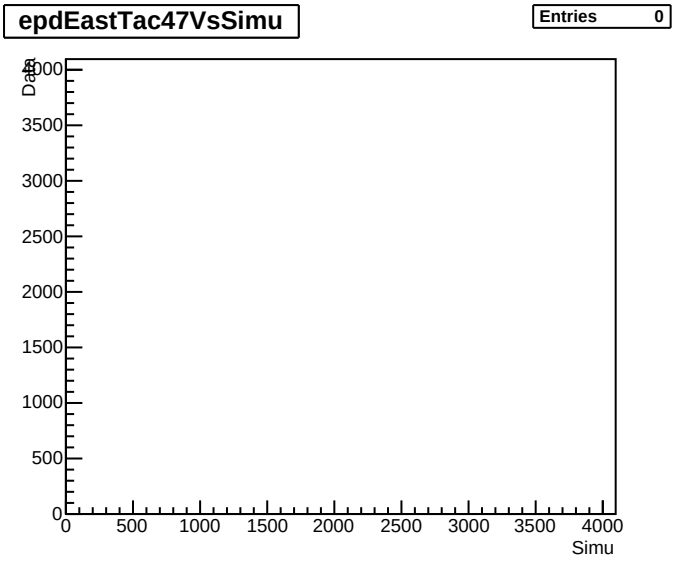
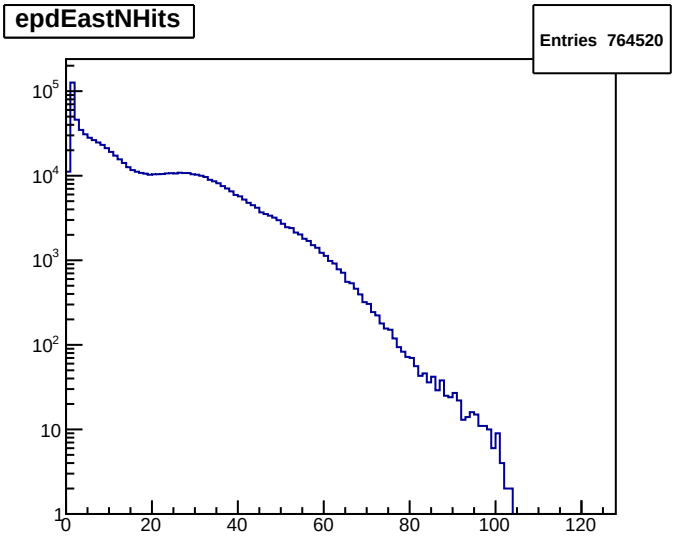
Entries 0
Data-Simu
DSM Input Channel

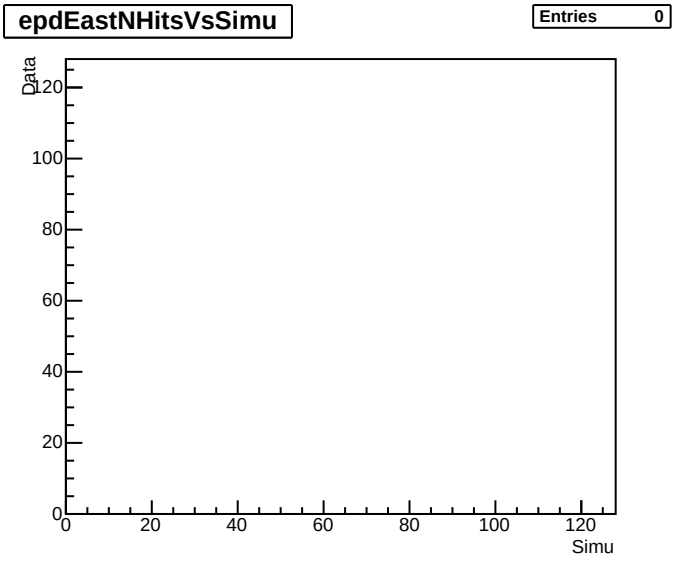

epdEastTac03
Entries 764520


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 764520


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 764520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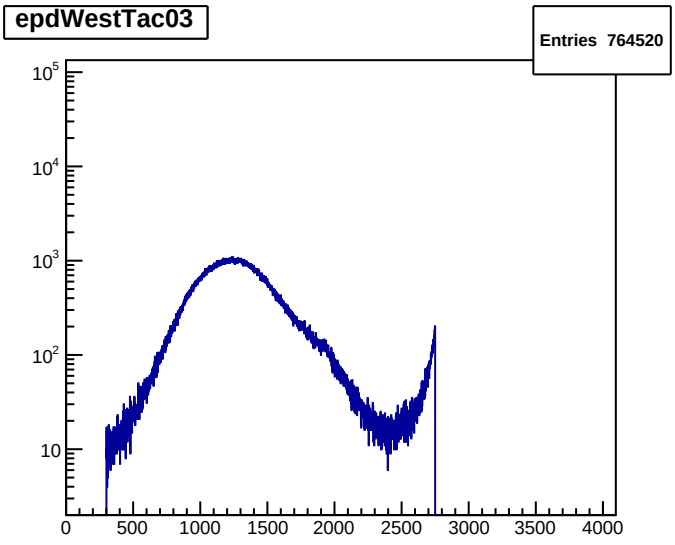
Entries 0
Data
Simu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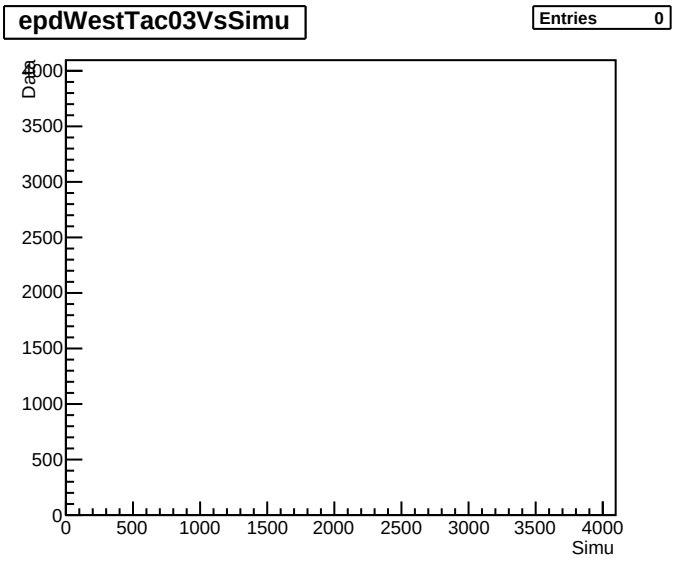
Entries 764520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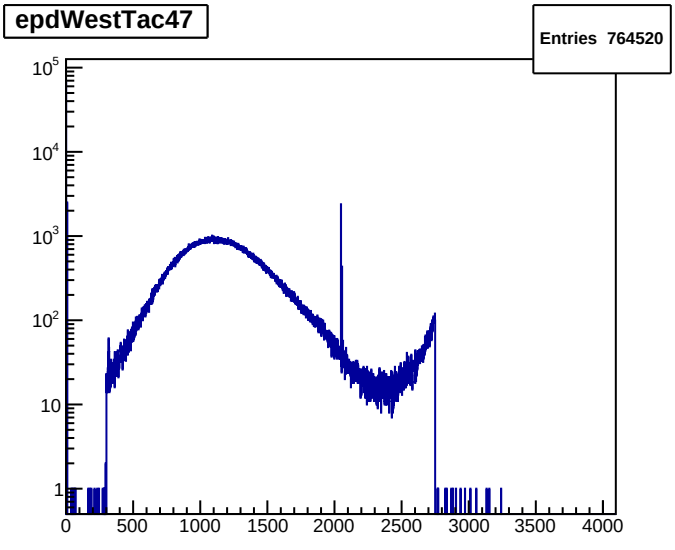
Entries 0
Data
Simu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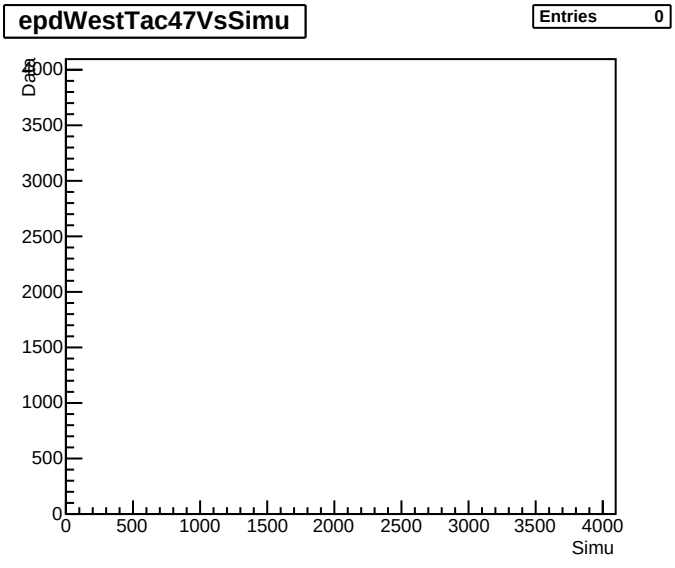
Entries 764520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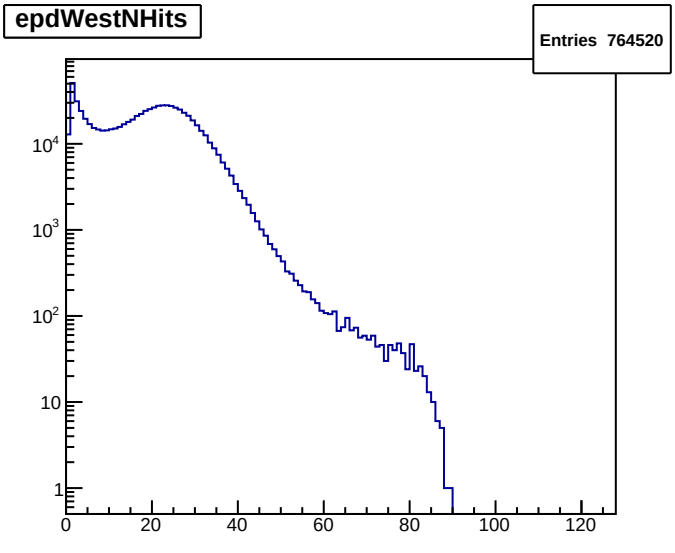
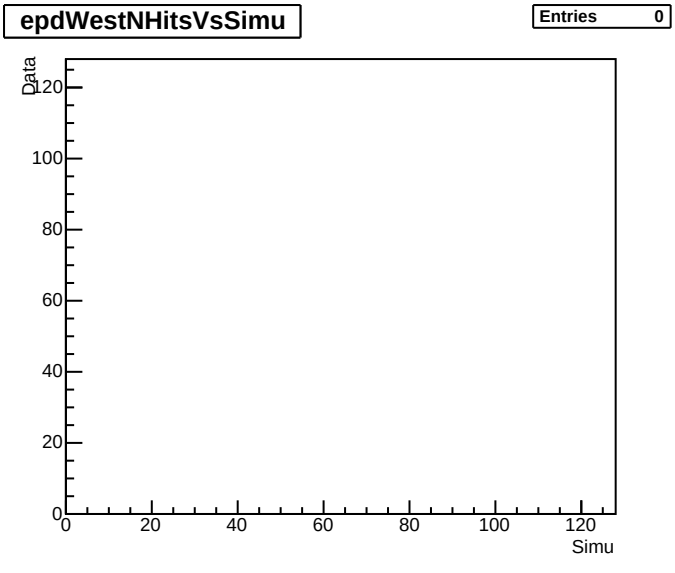
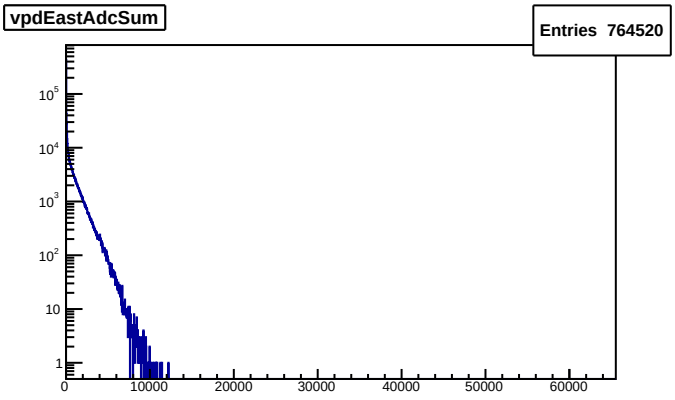
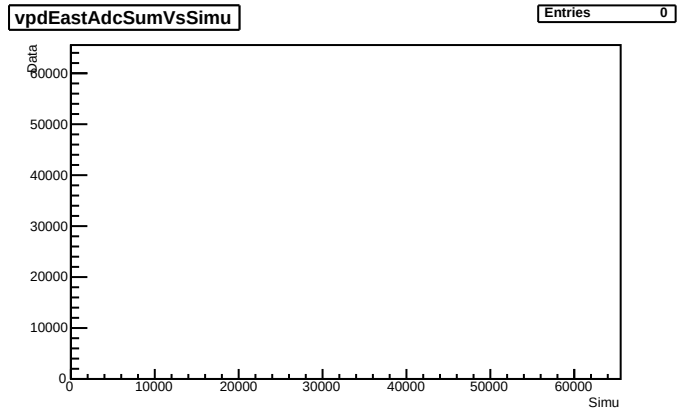
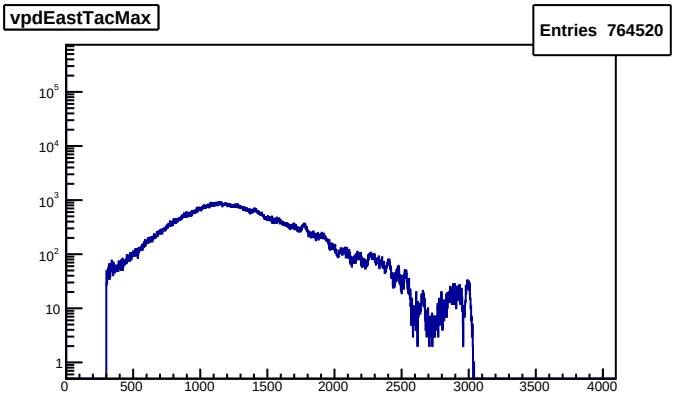
Entries 0
Data
Simu

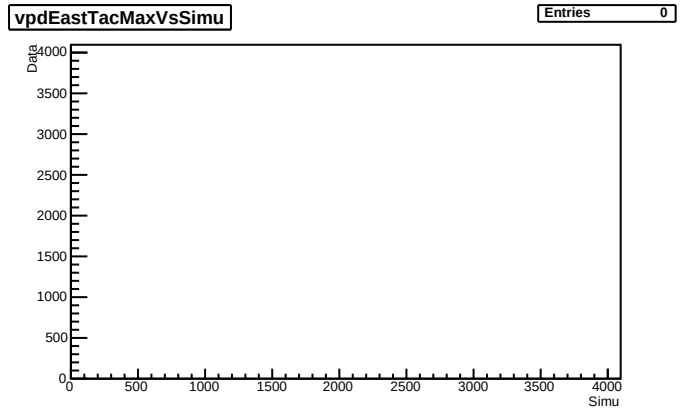

epdWestNHits
Entries 764520

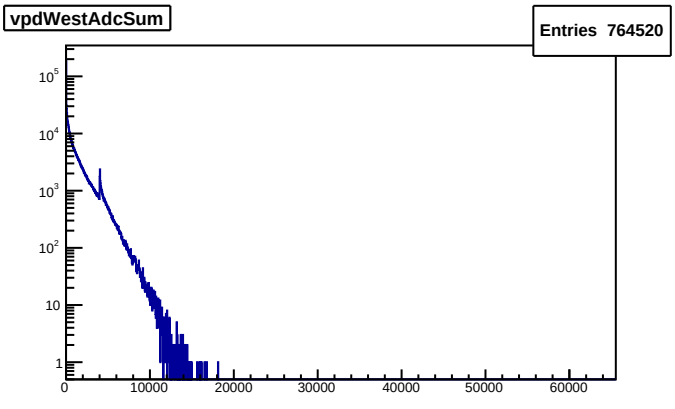

epdWestNHitsVsSimu
Entries 0
Data
Simu

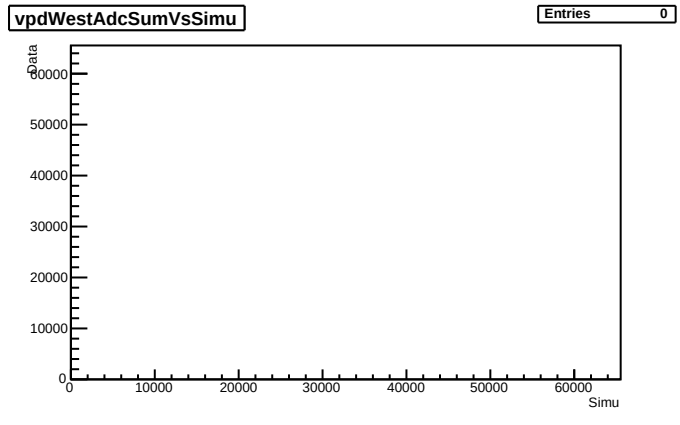

vpdEastAdcSum
Entries 764520


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 764520


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 764520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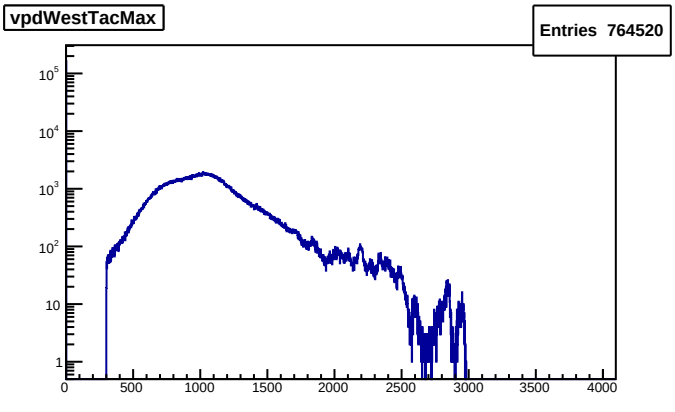
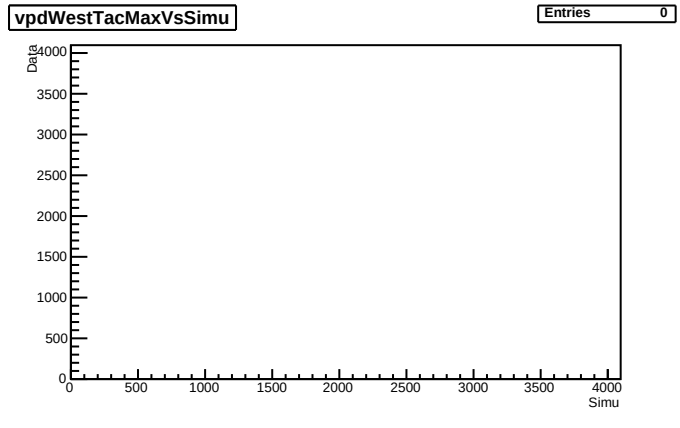
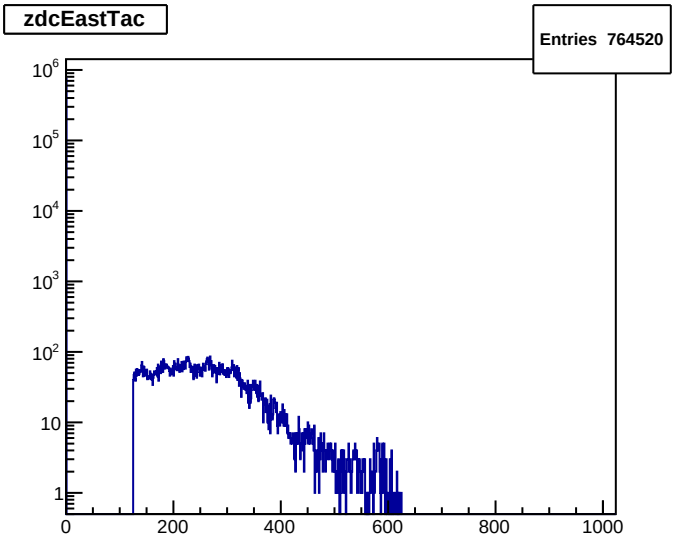
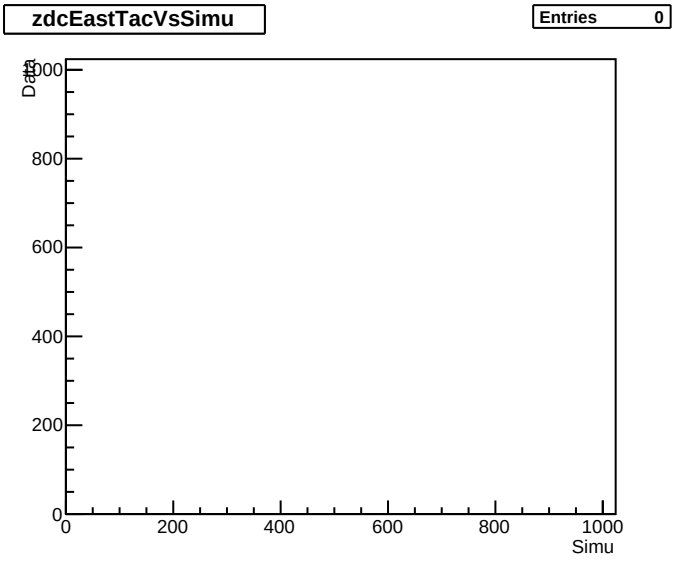
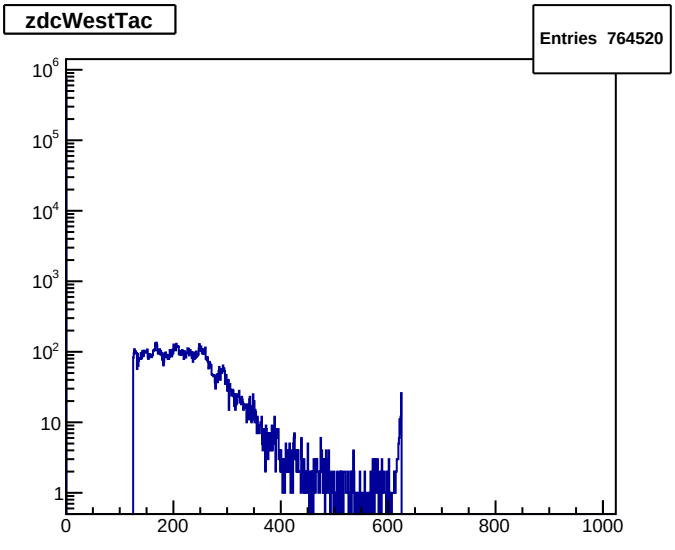
Entries 0
Data
Simu

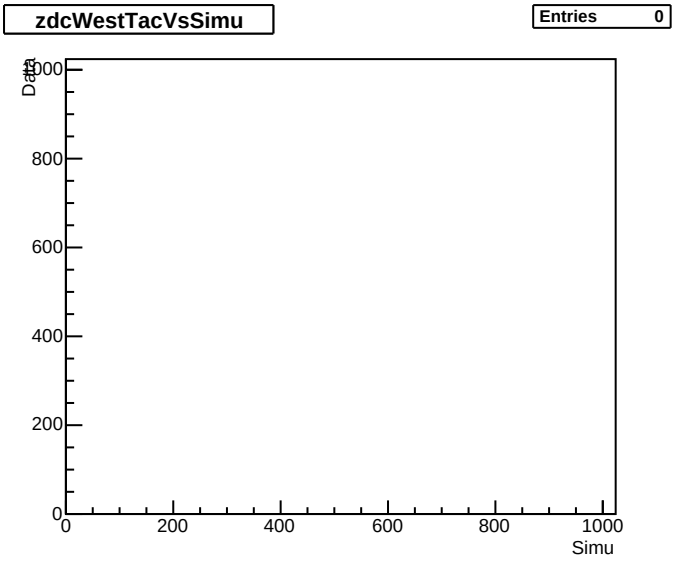

vpdWestTacMax
Entries 764520

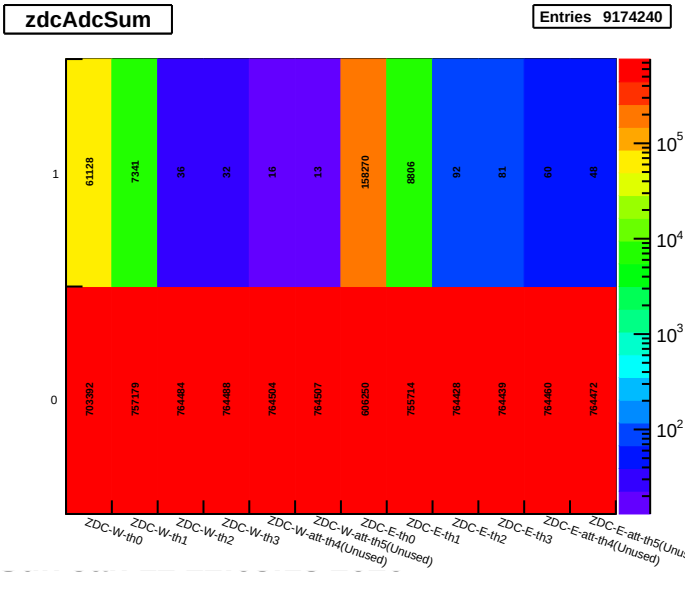

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

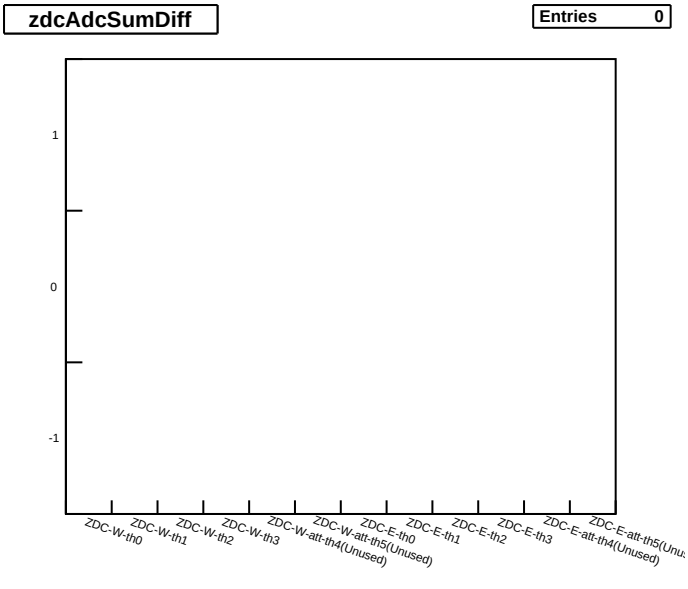

zdcEastTac
Entries 764520

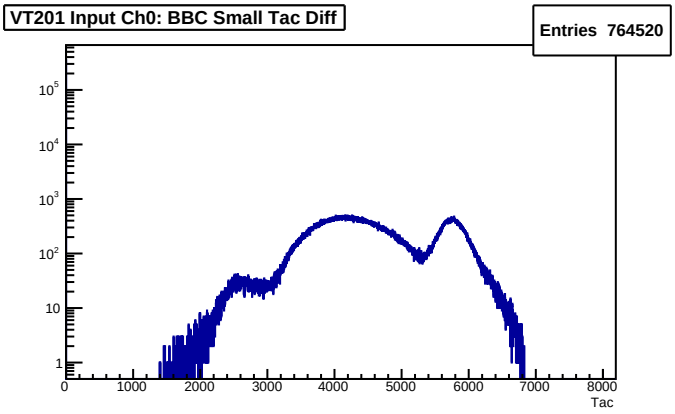

zdcEastTacVsSimu
Entries 0
Data
Simu

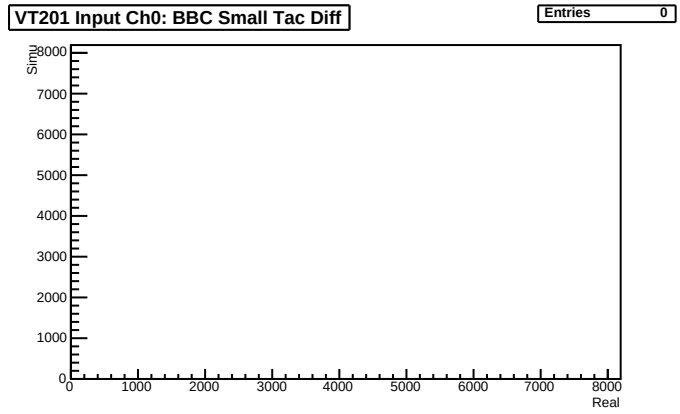

zdcWestTac
Entries 764520

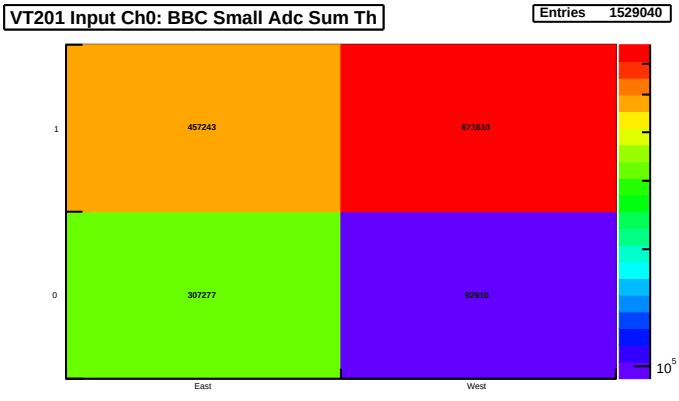

zdcWestTacVsSimu
Entries 0
Data
Simu

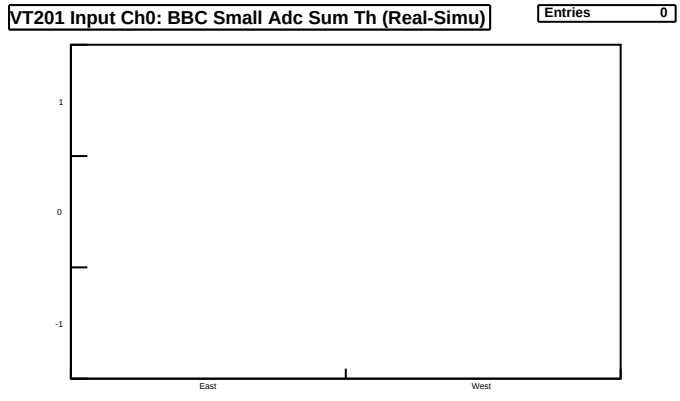

zdcAdcSum
Entries 9174240
61128
7341
36
32
16
13
158270
8806
92
81
60
48
703392
757179
764484
764488
764504
764507
606250
755714
764428
764439
764460
764472
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

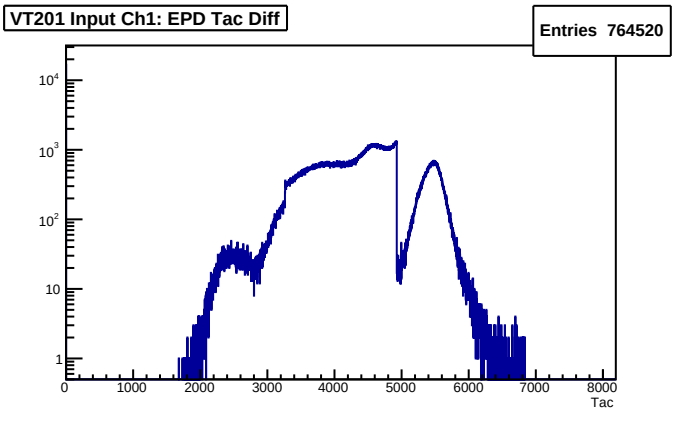

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

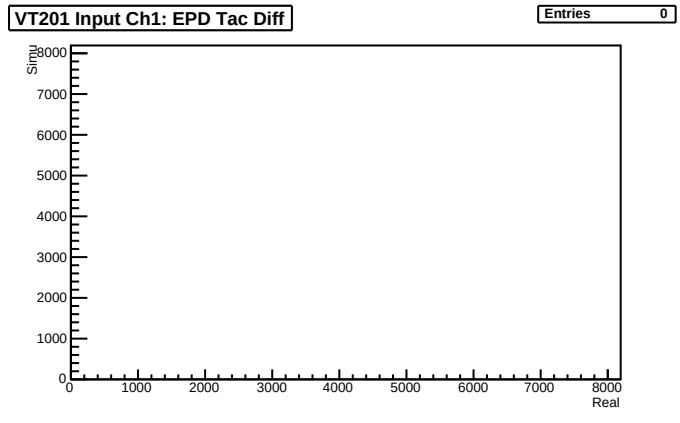

VT201 Input Ch0: BBC Small Tac Diff
Entries 764520
Tac

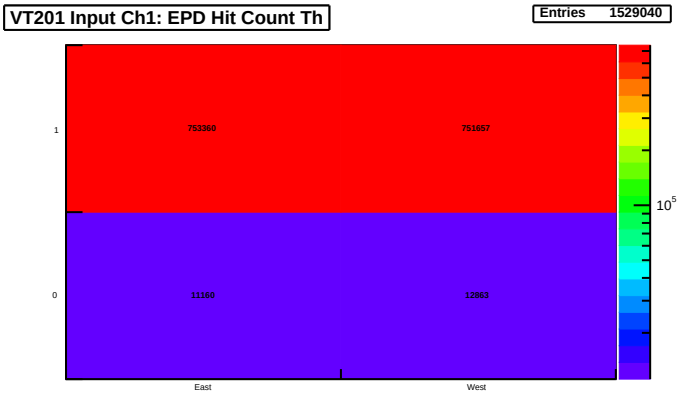

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

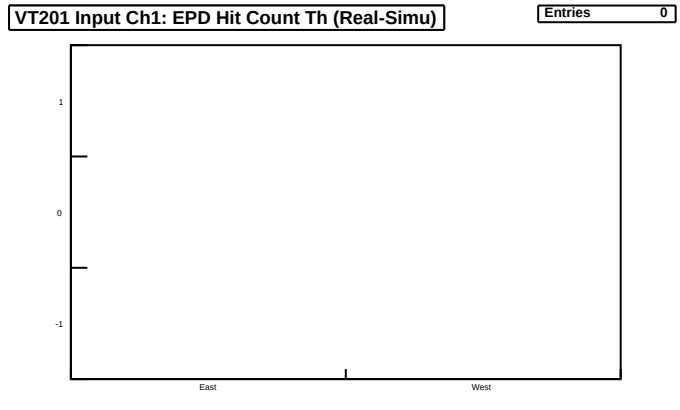

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1529040
457243
671610
307277
92910
East
West

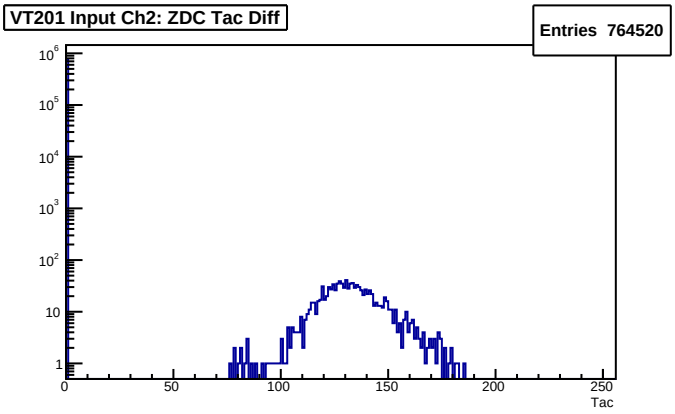

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

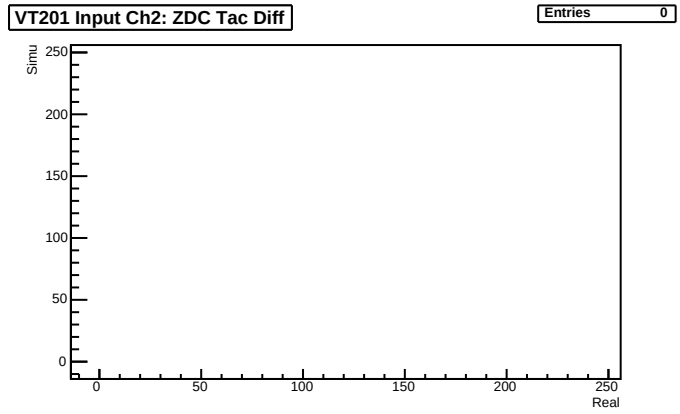

VT201 Input Ch1: EPD Tac Diff
Entries 764520
Tac

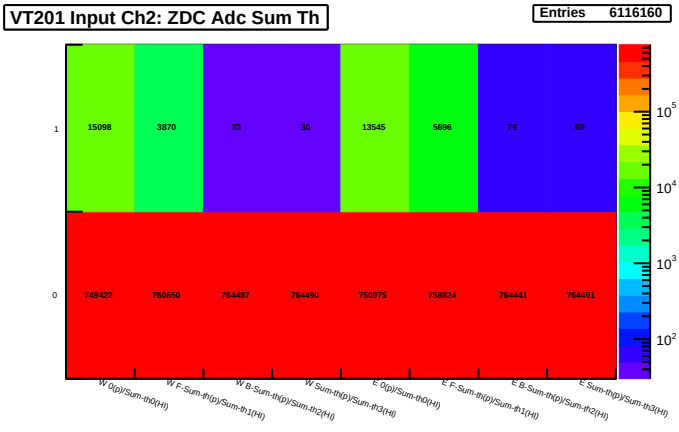

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

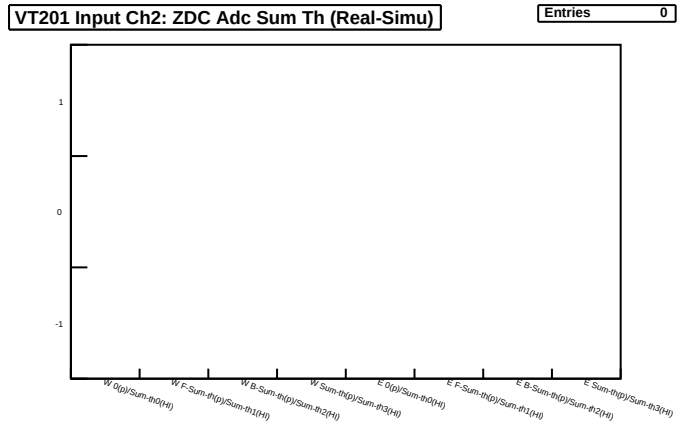

VT201 Input Ch1: EPD Hit Count Th
Entries 1529040
753360
751657
11160
12863
East
West

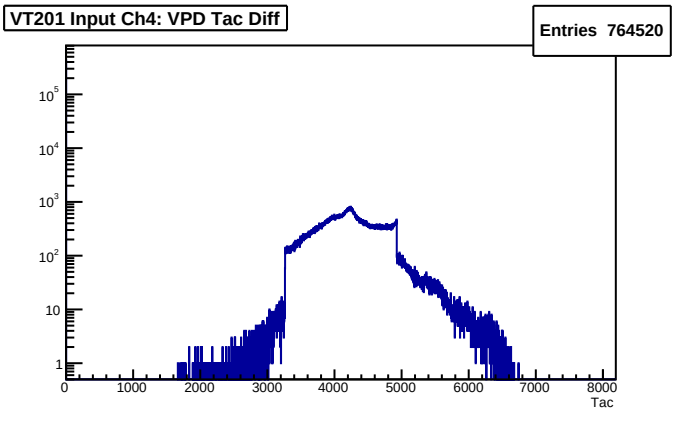

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

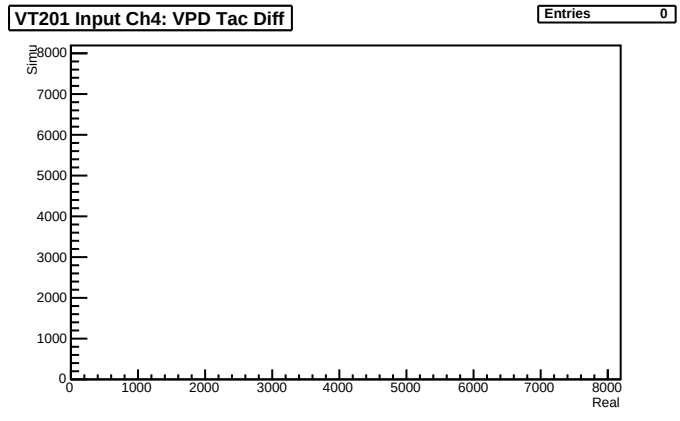

VT201 Input Ch2: ZDC Tac Diff
Entries 764520
Tac

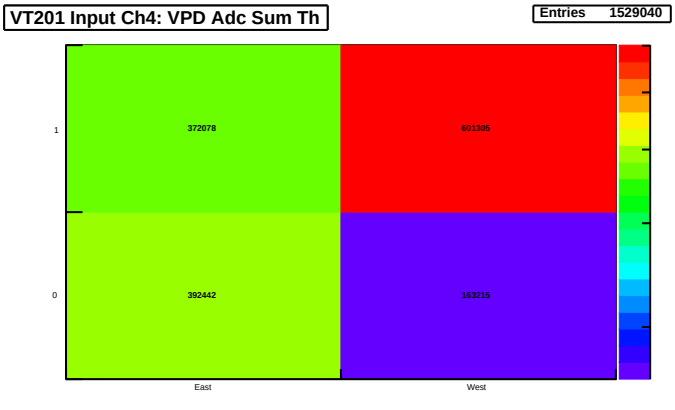

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

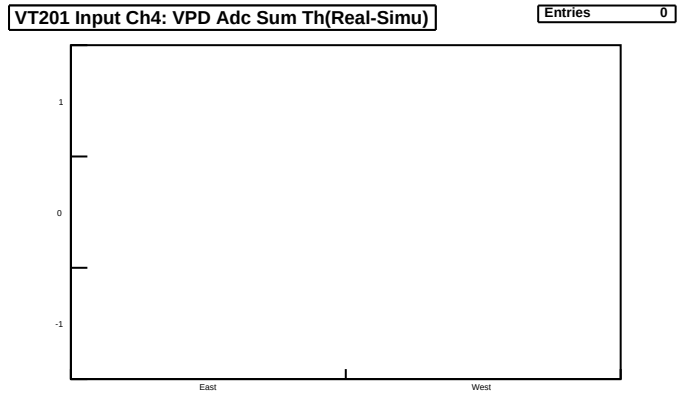

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6116160
15098
3870
33
30
13545
5696
79
69
749422
760650
764487
764490
750975
758824
764441
764451
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

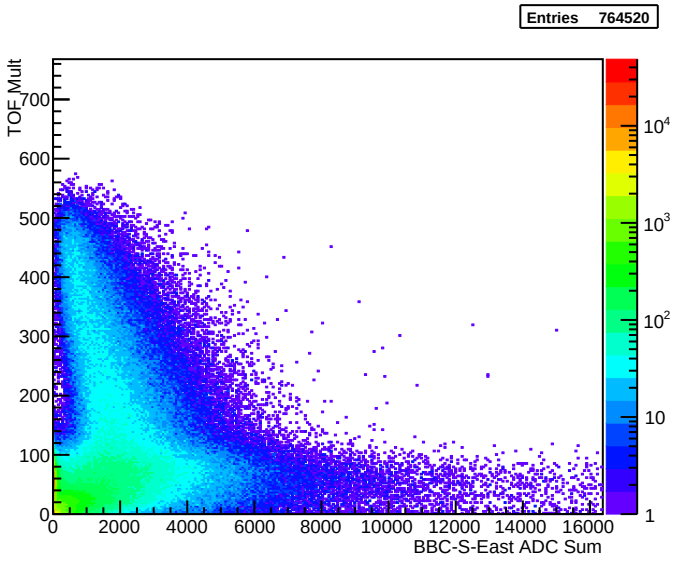

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

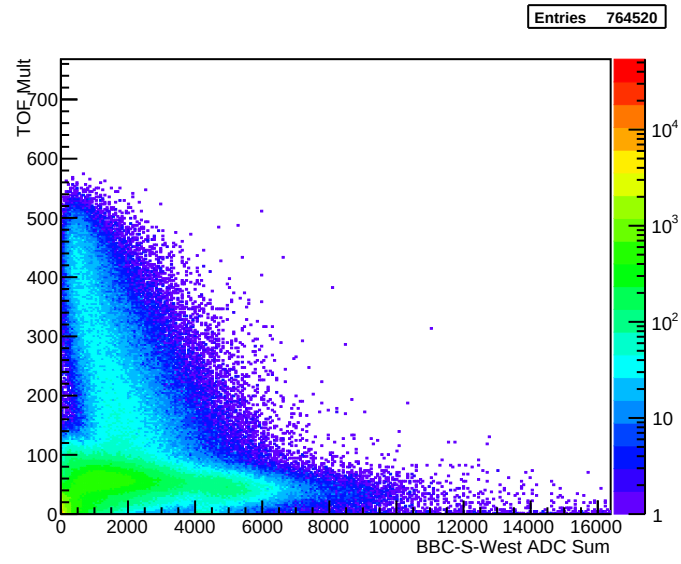

VT201 Input Ch4: VPD Tac Diff
Entries 764520
Tac

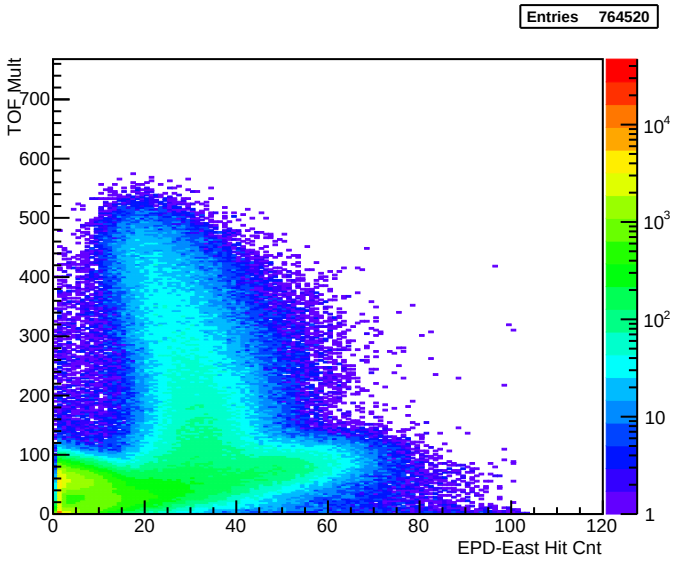

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

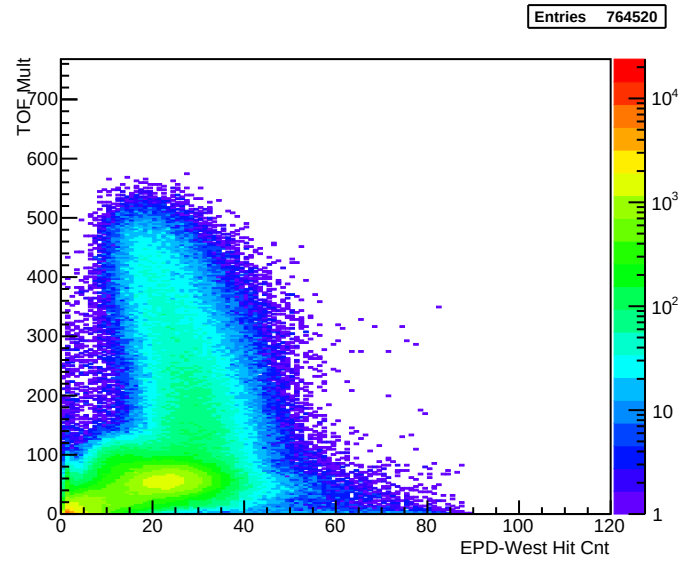

VT201 Input Ch4: VPD Adc Sum Th
Entries 1529040
372078
601305
392442
163215
East
West

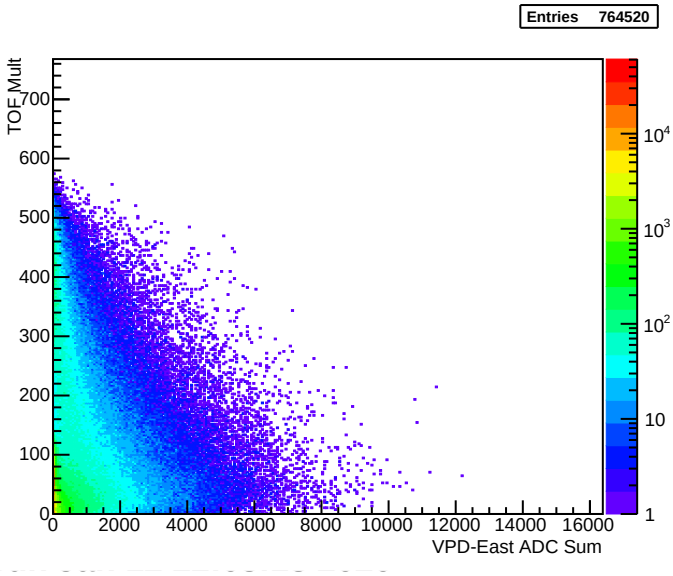

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

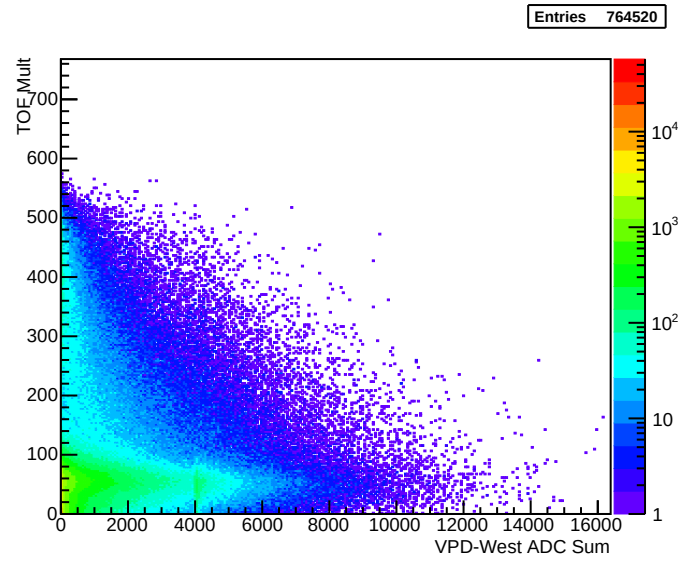

Entries 764520
TOF_Mult
BBC-S-East ADC Sum

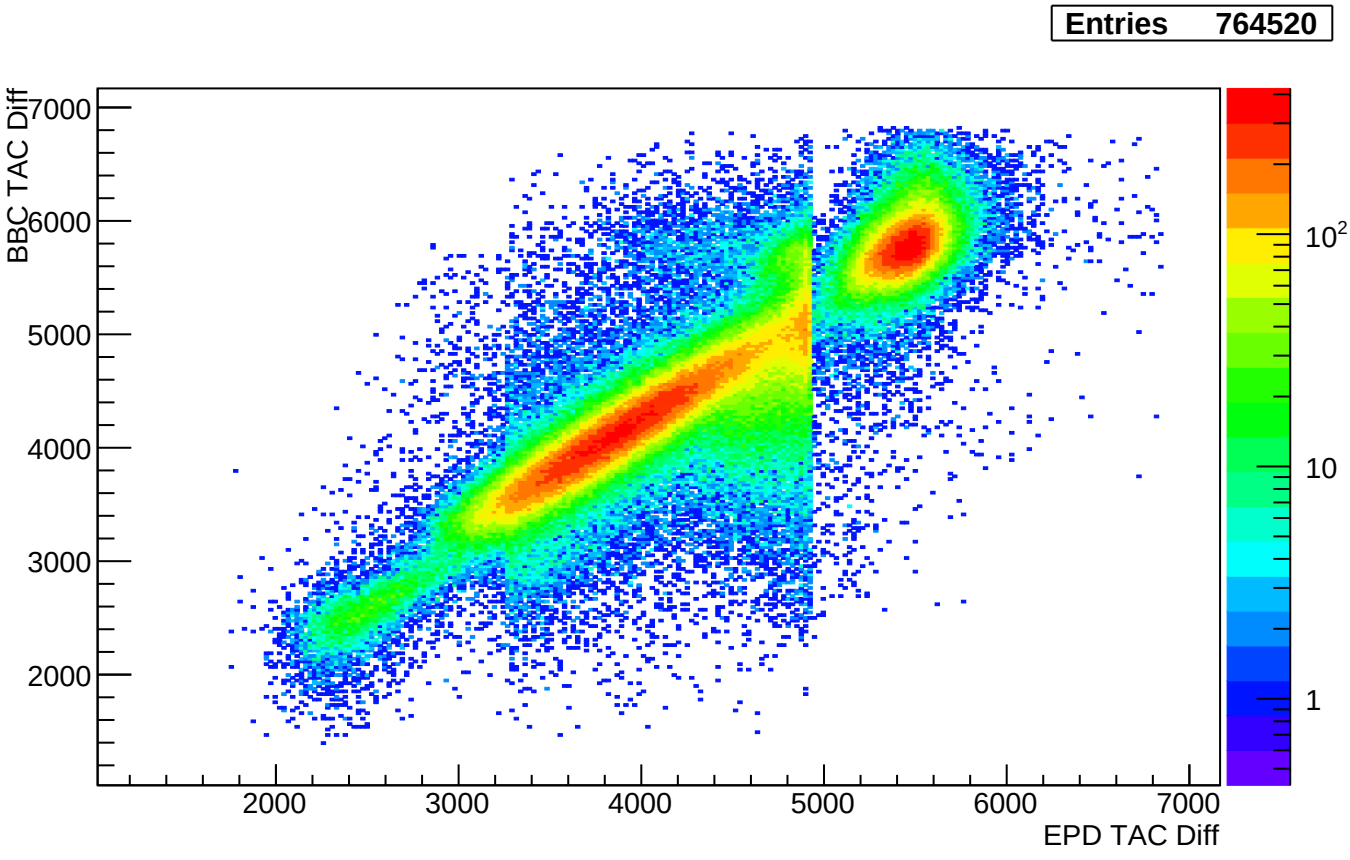

Entries 764520
TOF_Mult
BBC-S-West ADC Sum

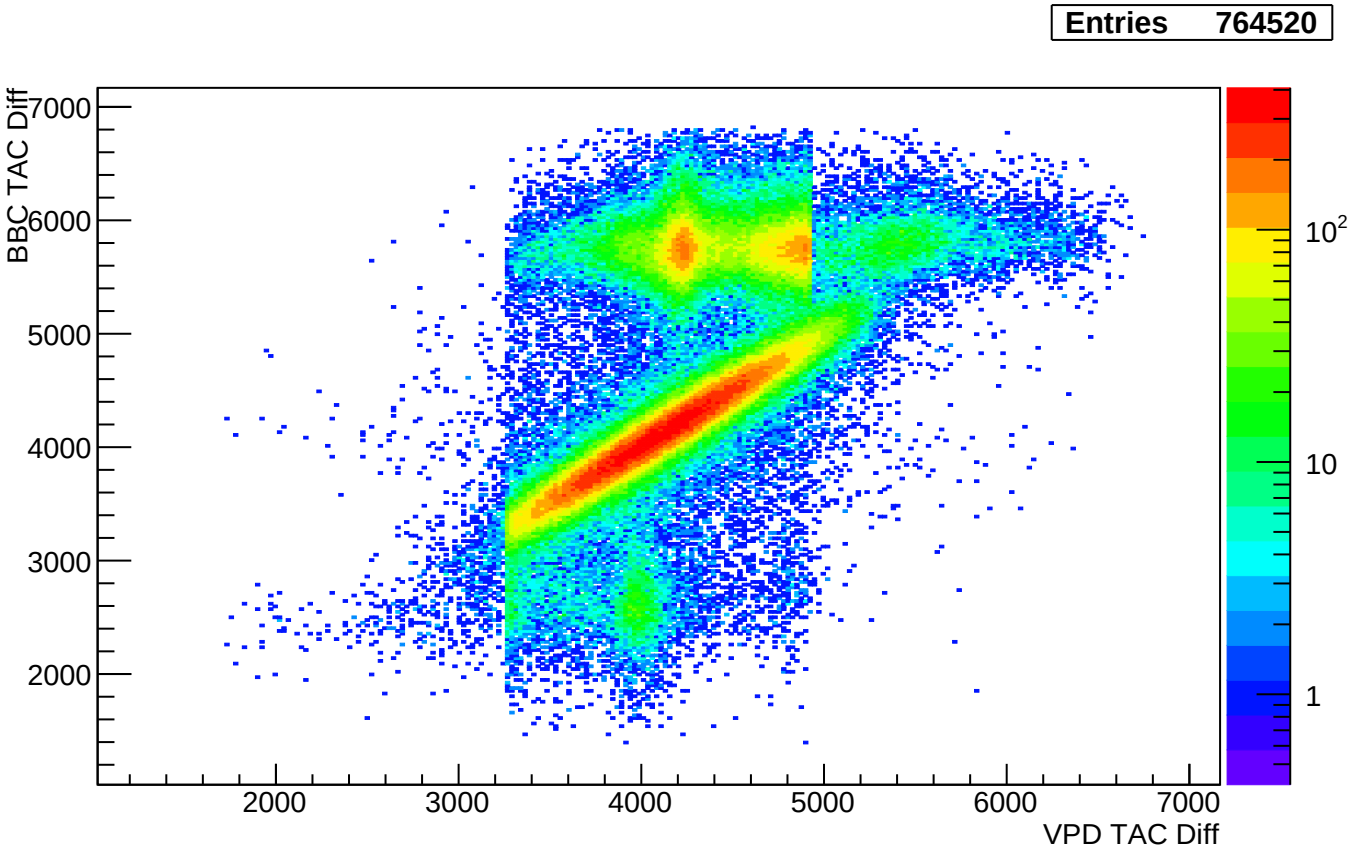

Entries 764520
TOF_Mult
EPD-East Hit Cnt

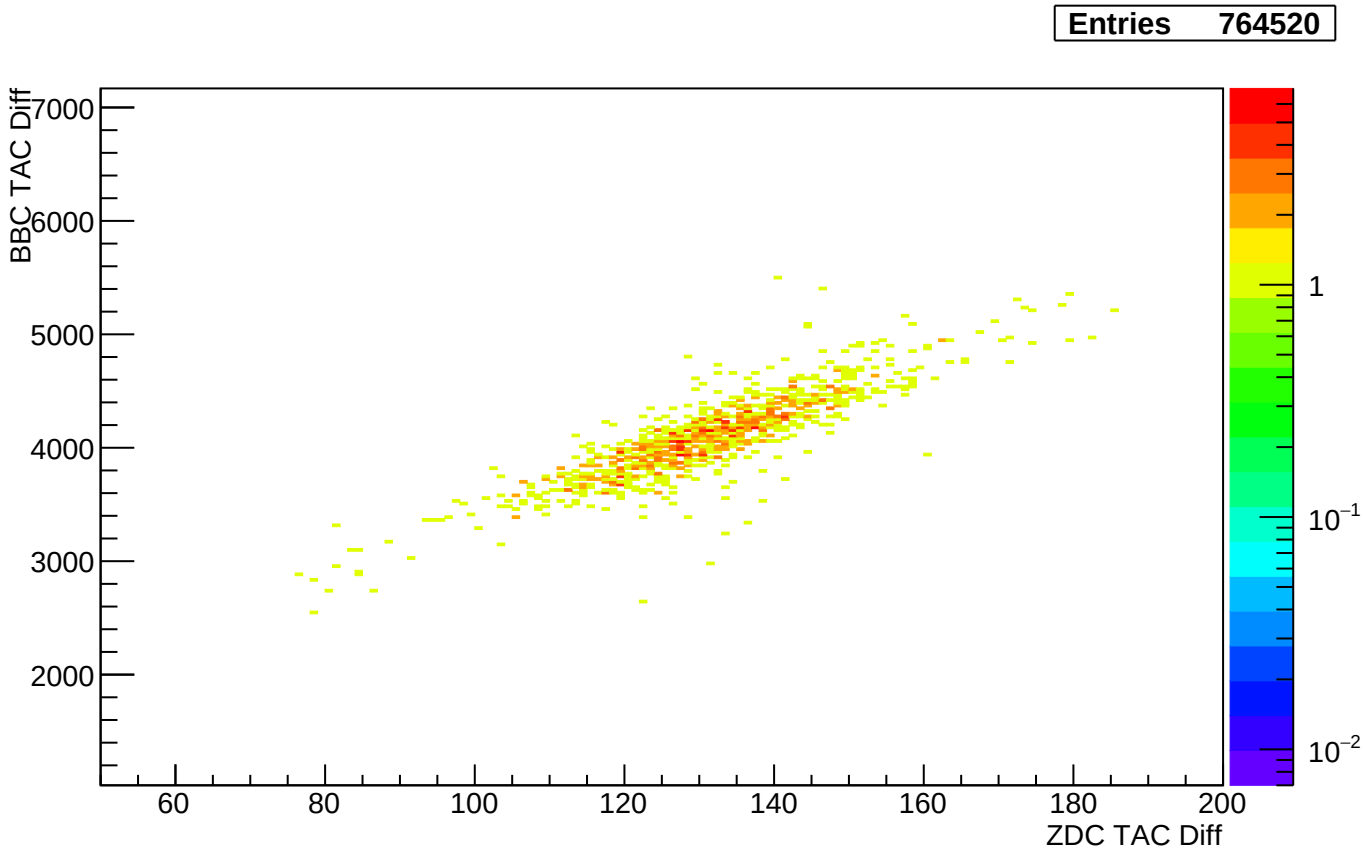

Entries 764520
TOF_Mult
EPD-West Hit Cnt

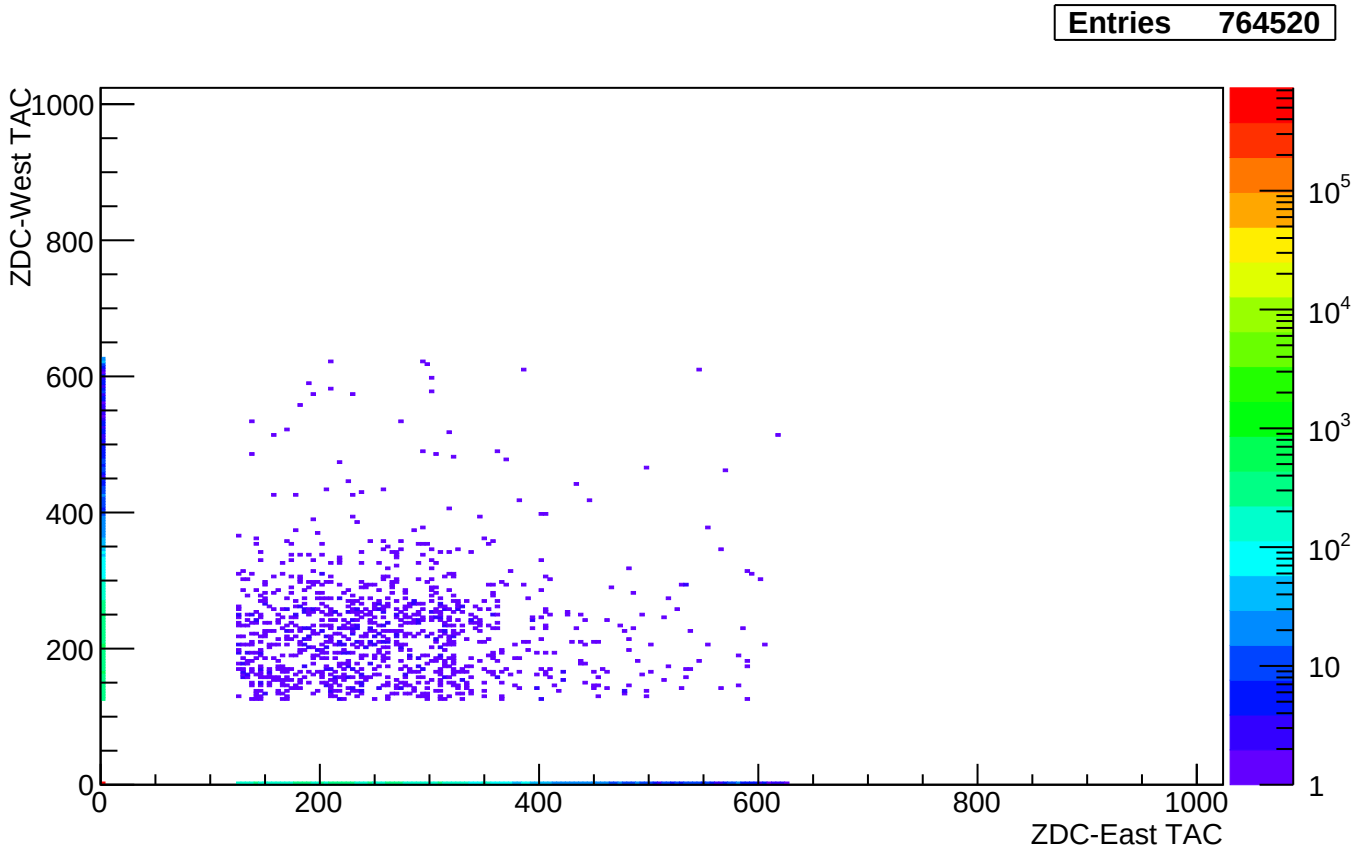

Entries 764520
TOF_Mult
VPD-East ADC Sum

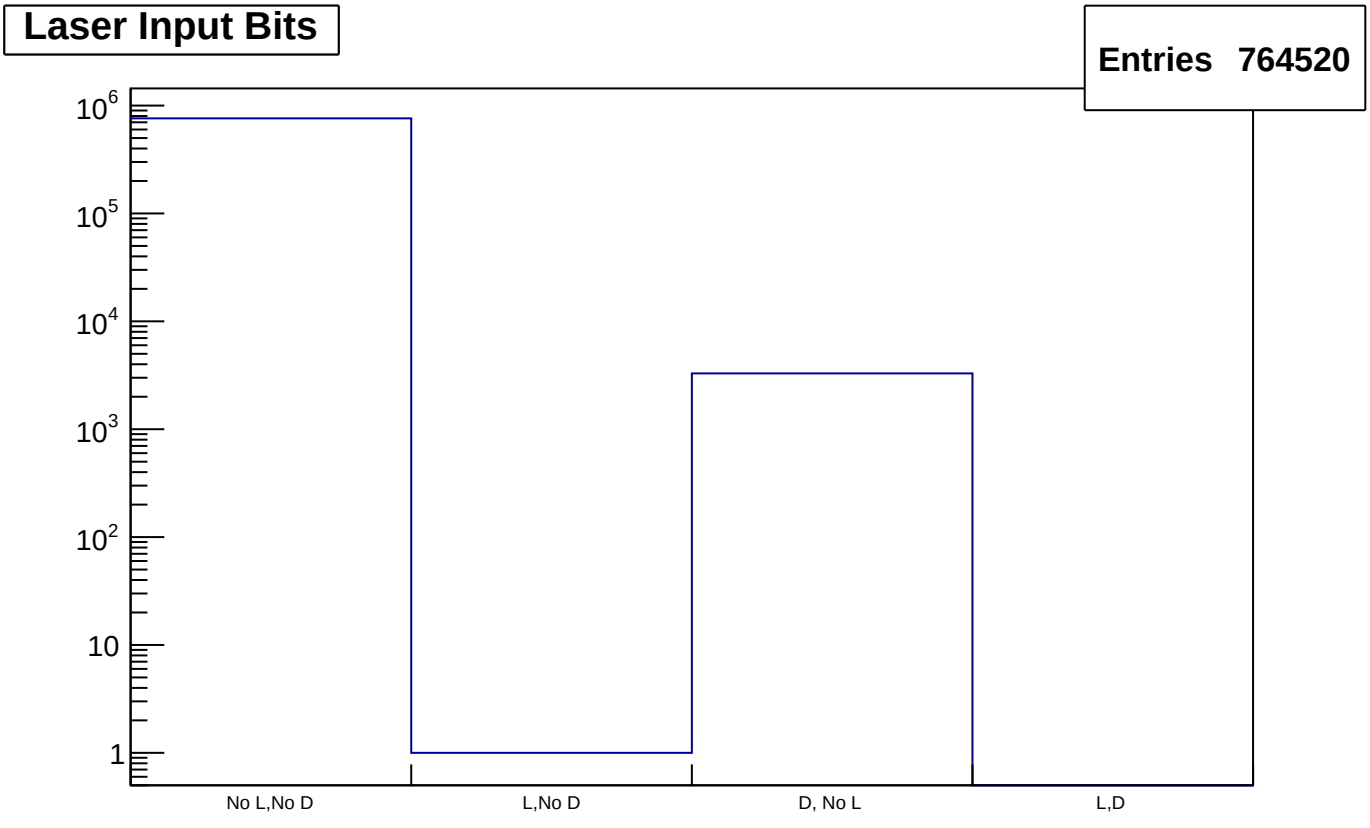

Entries 764520
TOF_Mult
VPD-West ADC Sum

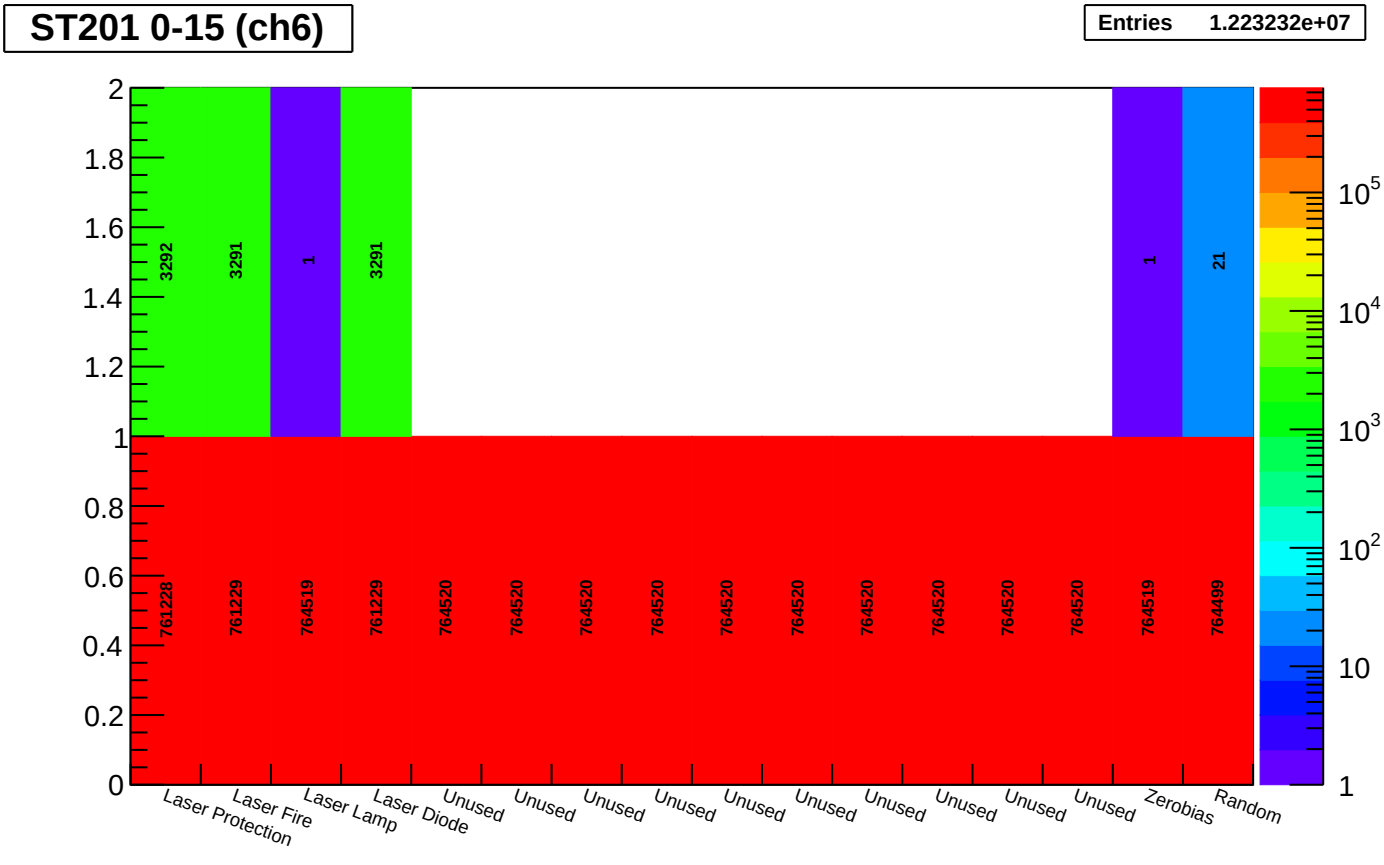

Entries 764520
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1


Entries 764520
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

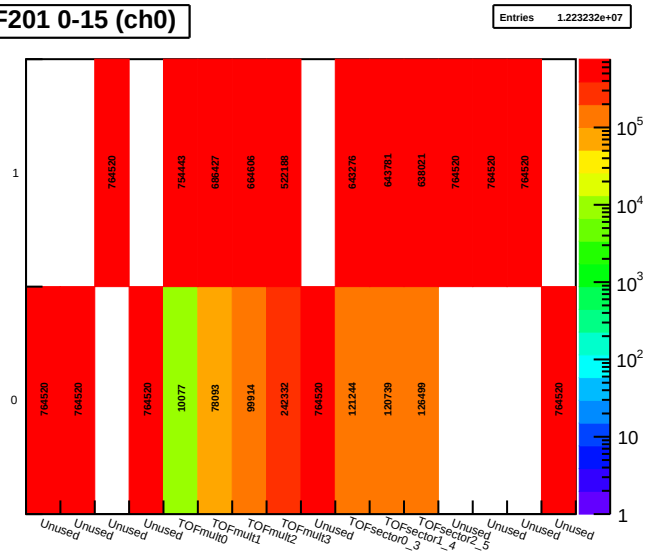

Entries 764520
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}


Entries 764520
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

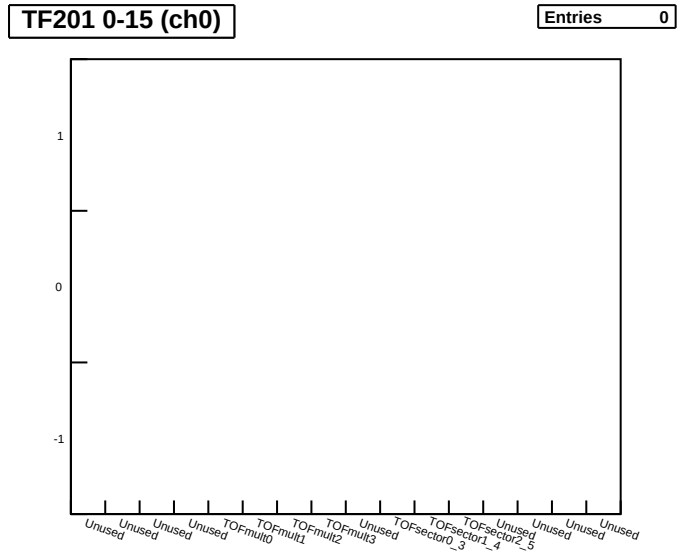

Laser Input Bits
Entries 764520
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 1.223232e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3292
3291
1
3291
1
21
761228
761229
764519
761229
764520
764520
764520
764520
764520
764520
764520
764520
764520
764520
764519
764499
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

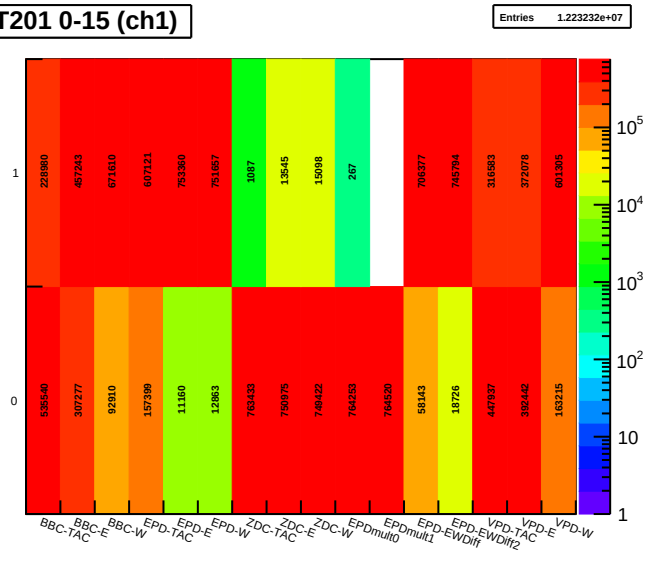
TF201 0-15 (ch0)



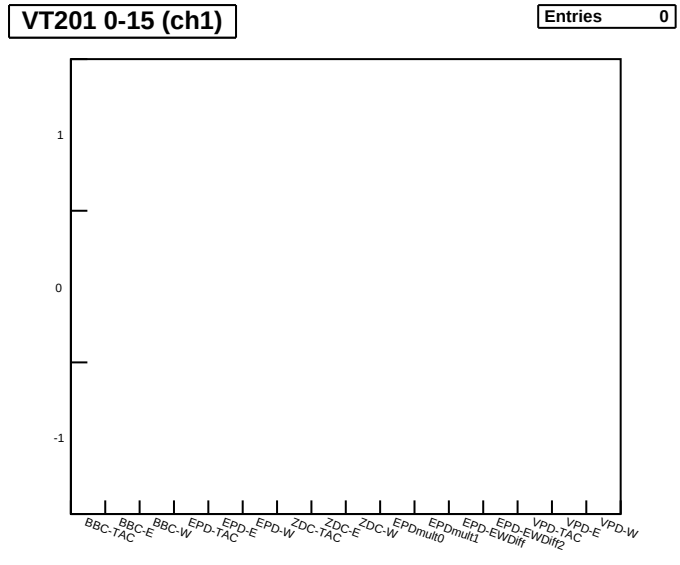
TF201 0-15 (ch0)



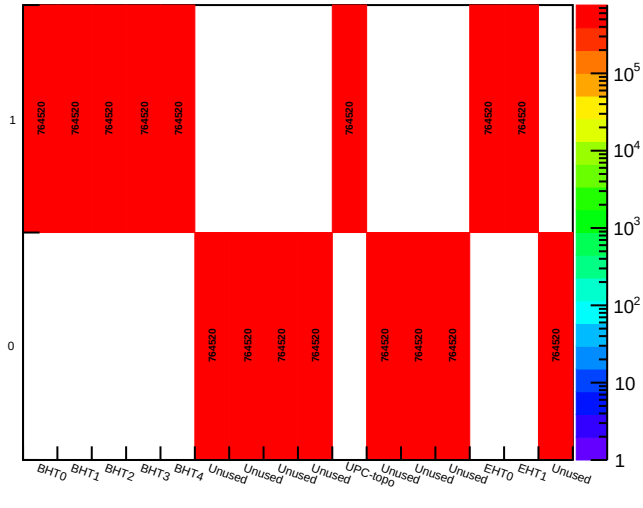
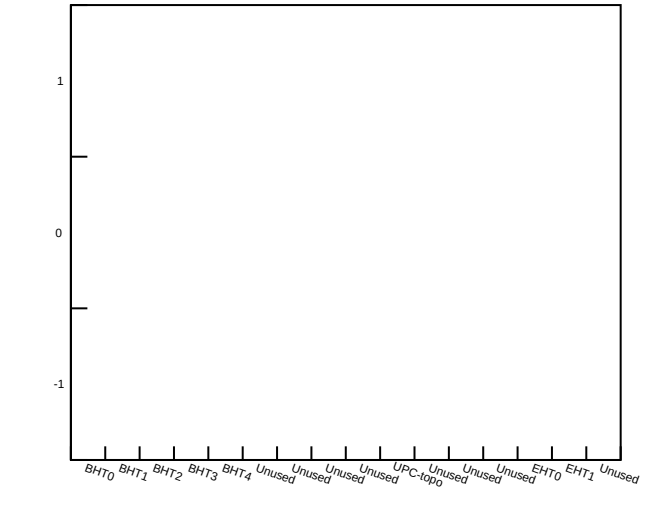
VT201 0-15 (ch1)



VT201 0-15 (ch1)



EM201 0-15 (ch3)



EM201 0-15 (ch3)