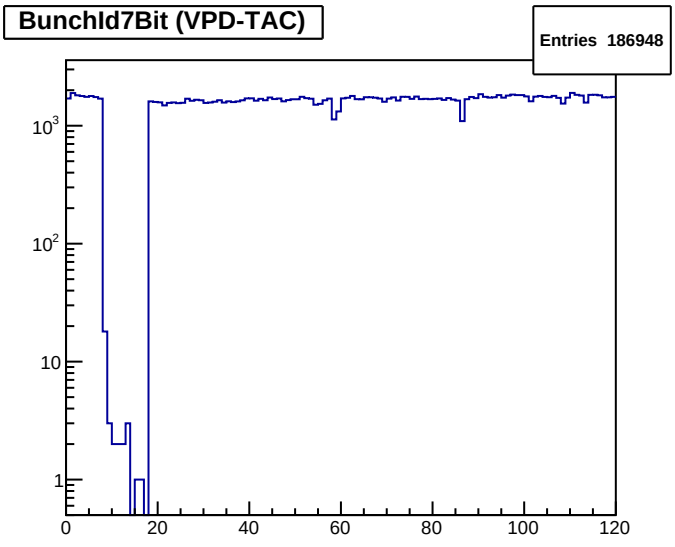
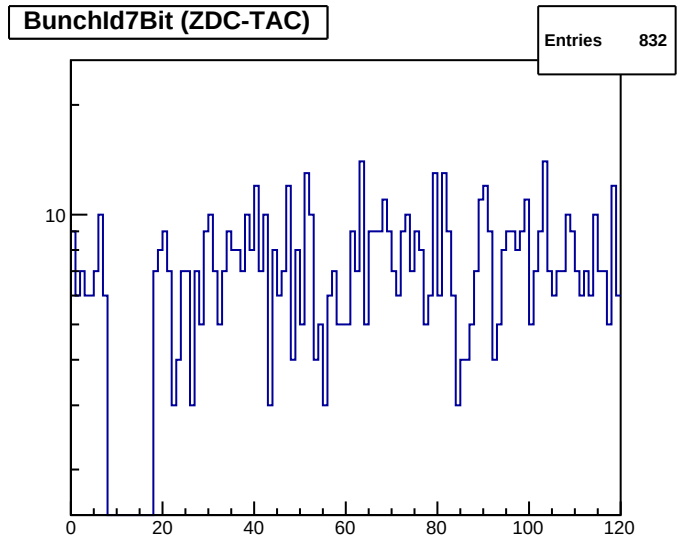
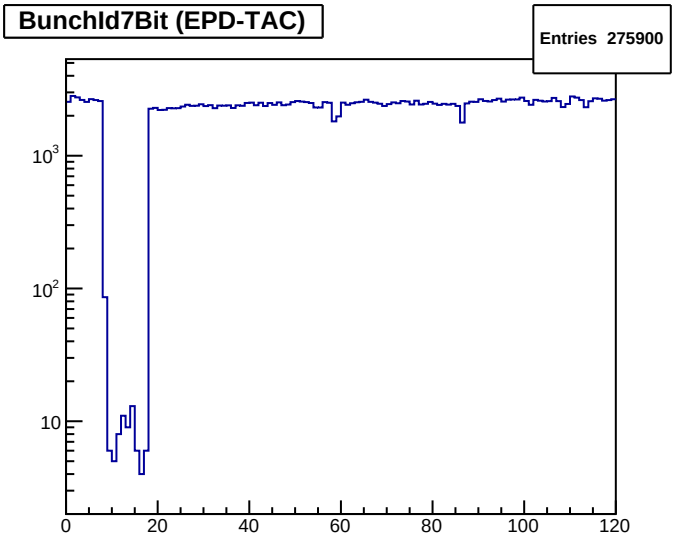
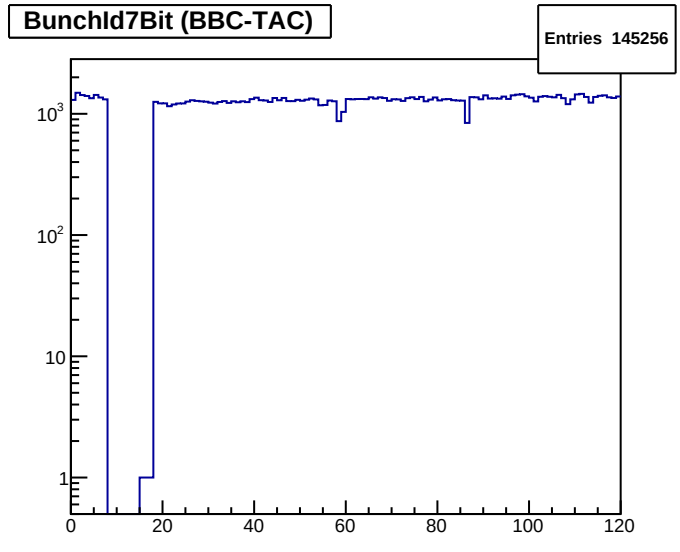
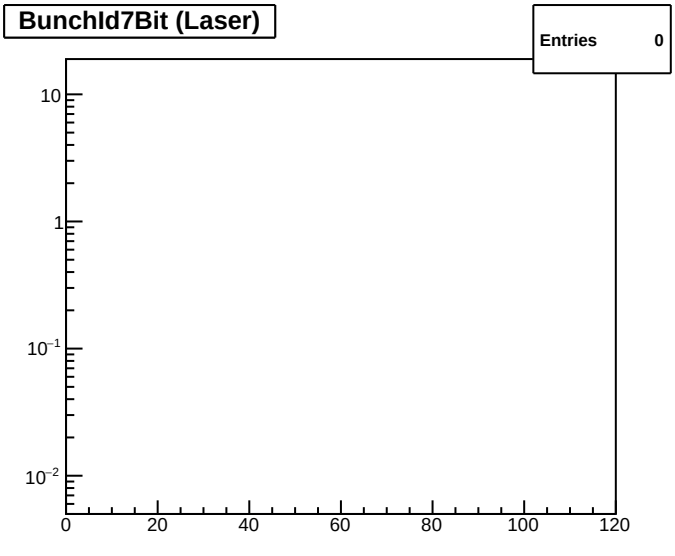
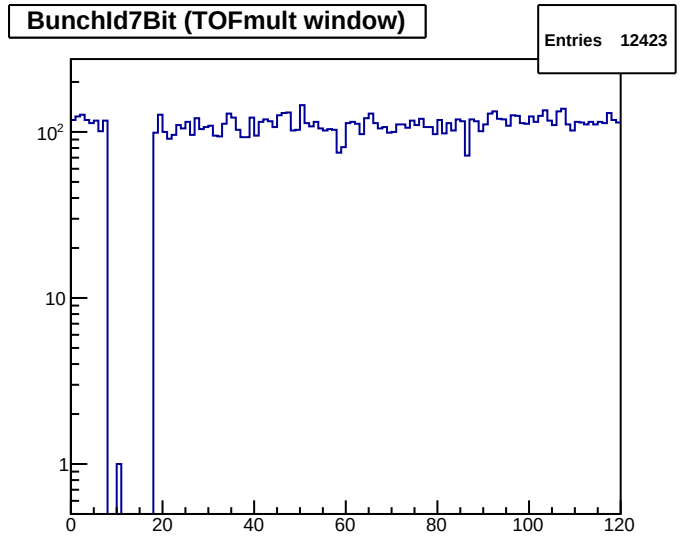

BunchId7Bit (VPD-TAC)
Entries 186948
10^3
10^2
10
1
0
20
40
60
80
100
120

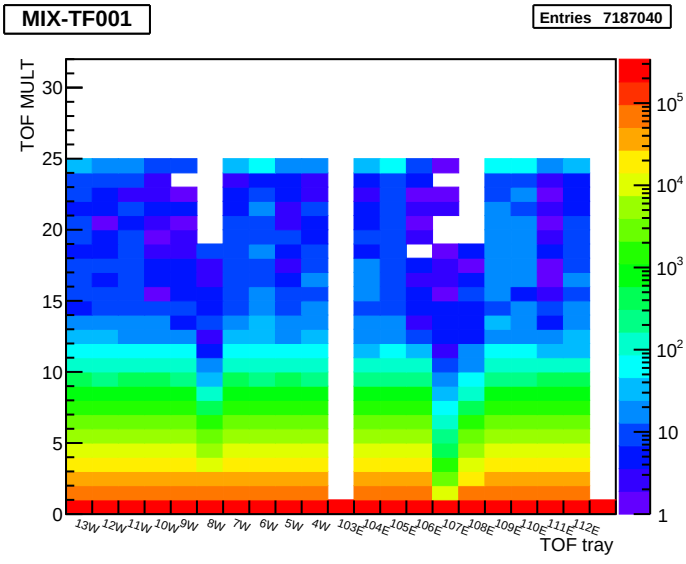

BunchId7Bit (ZDC-TAC)
Entries 832
10
0
20
40
60
80
100
120

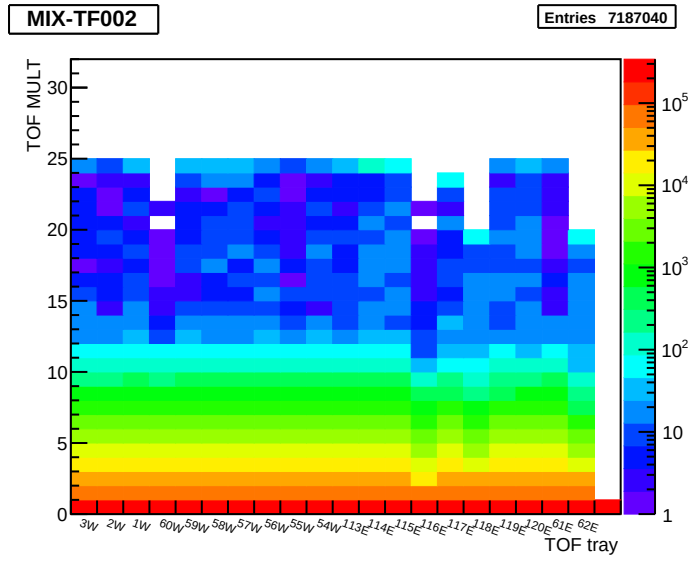

BunchId7Bit (EPD-TAC)
Entries 275900
10^3
10^2
10
0
20
40
60
80
100
120

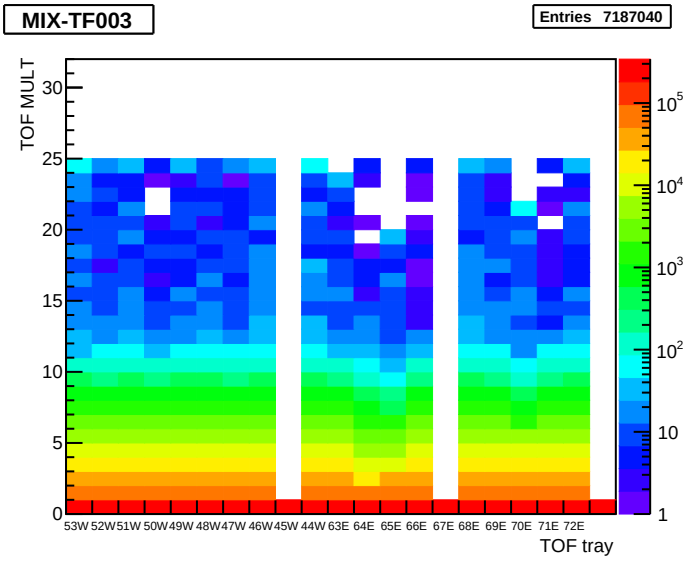

BunchId7Bit (BBC-TAC)
Entries 145256
10^3
10^2
10
1
0
20
40
60
80
100
120

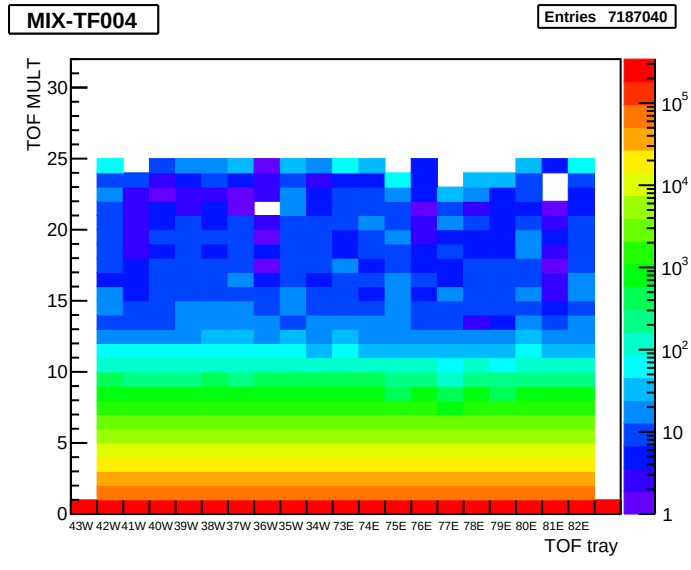

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

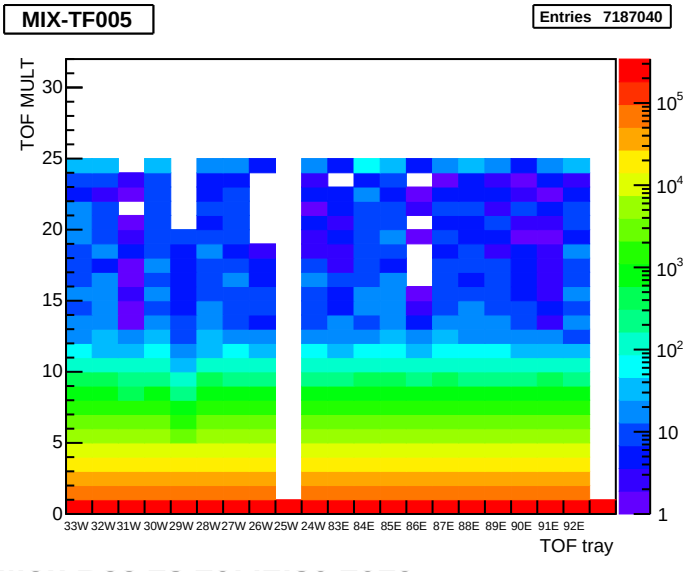

BunchId7Bit (TOFmult window)
Entries 12423
10^2
10
1
0
20
40
60
80
100
120

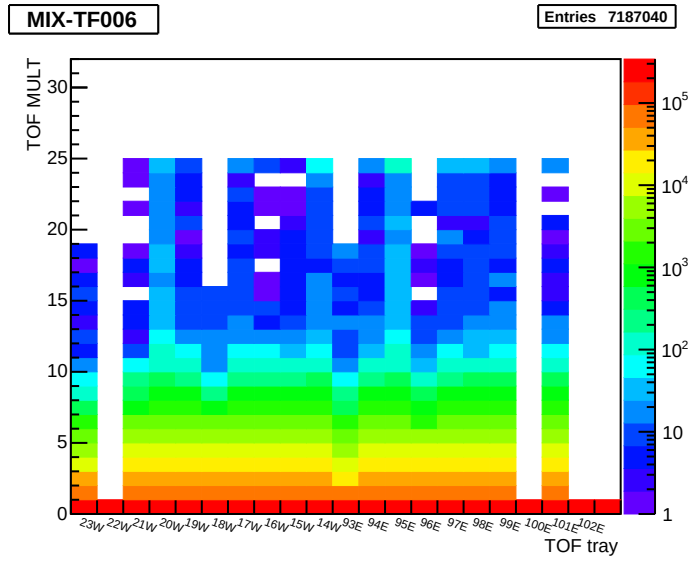

MIX-TF001
Entries 7187040
TOF MULT
TOF tray

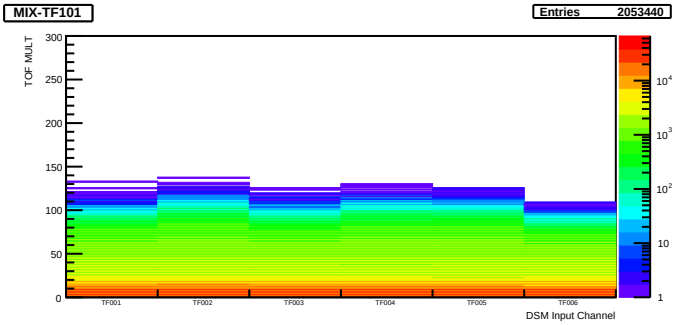

MIX-TF002
Entries 7187040
TOF MULT
TOF tray

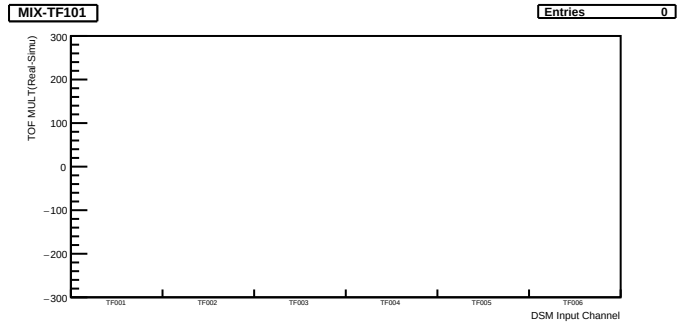

MIX-TF003
Entries 7187040
TOF MULT
TOF tray

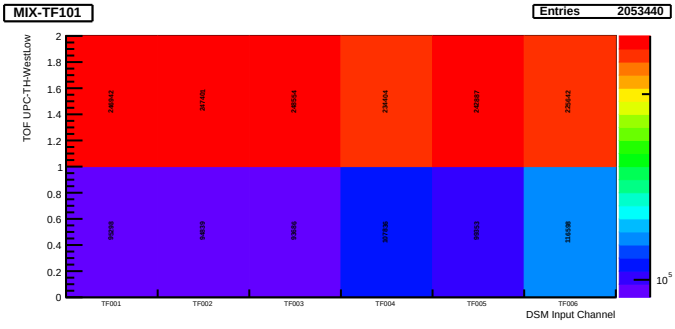

MIX-TF004
Entries 7187040
TOF MULT
TOF tray

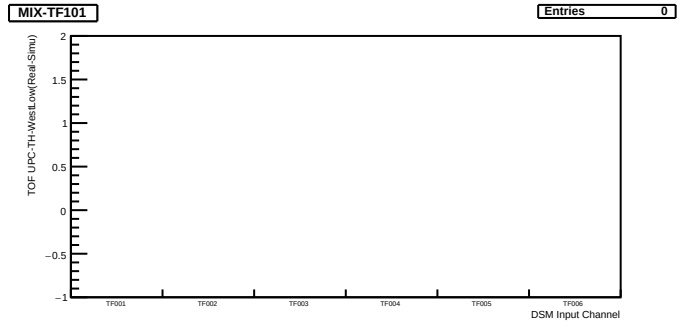

MIX-TF005
Entries 7187040
TOF MULT
TOF tray

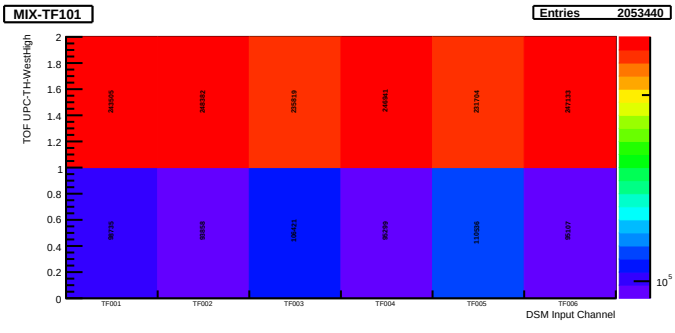

MIX-TF006
Entries 7187040
TOF MULT
TOF tray

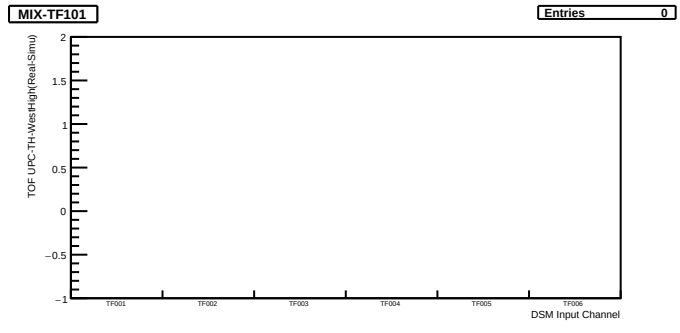

MIX-TF101
Entries 2053440
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

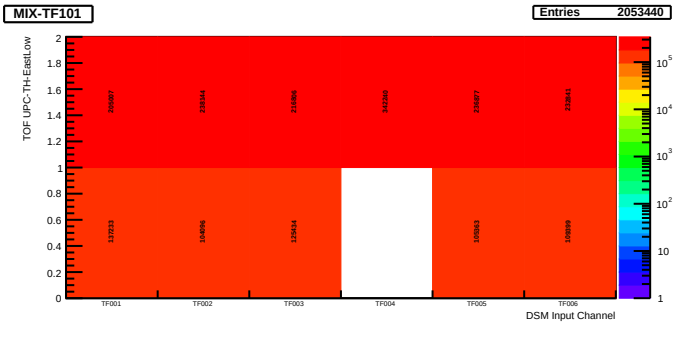

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

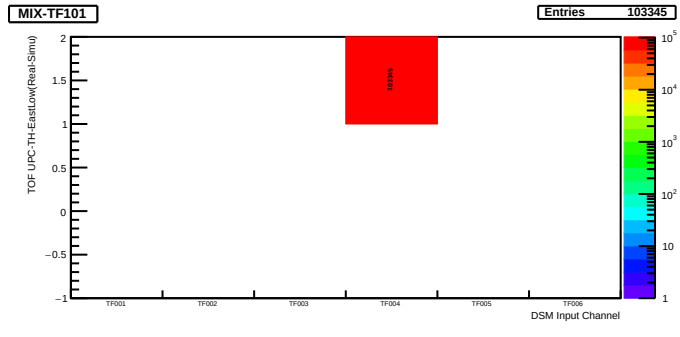

MIX-TF101
Entries 2053440
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

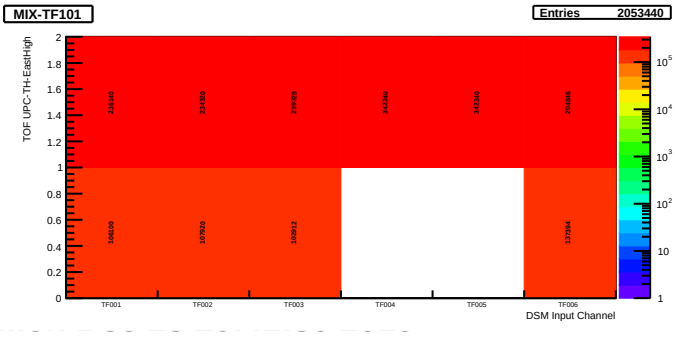

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

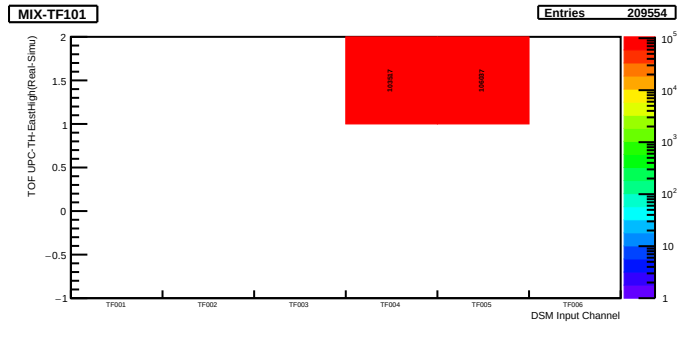

MIX-TF101
Entries 2053440
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

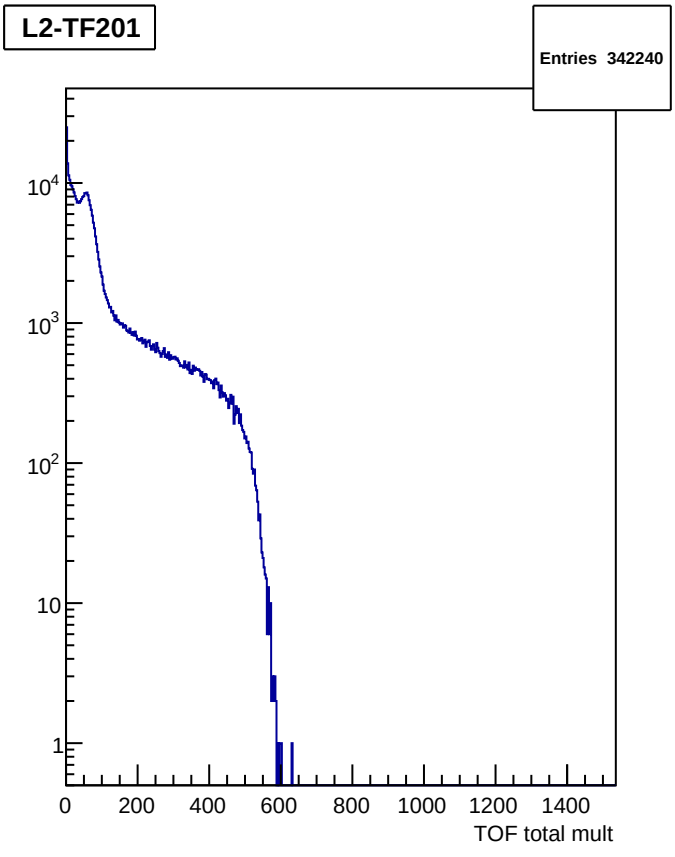

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

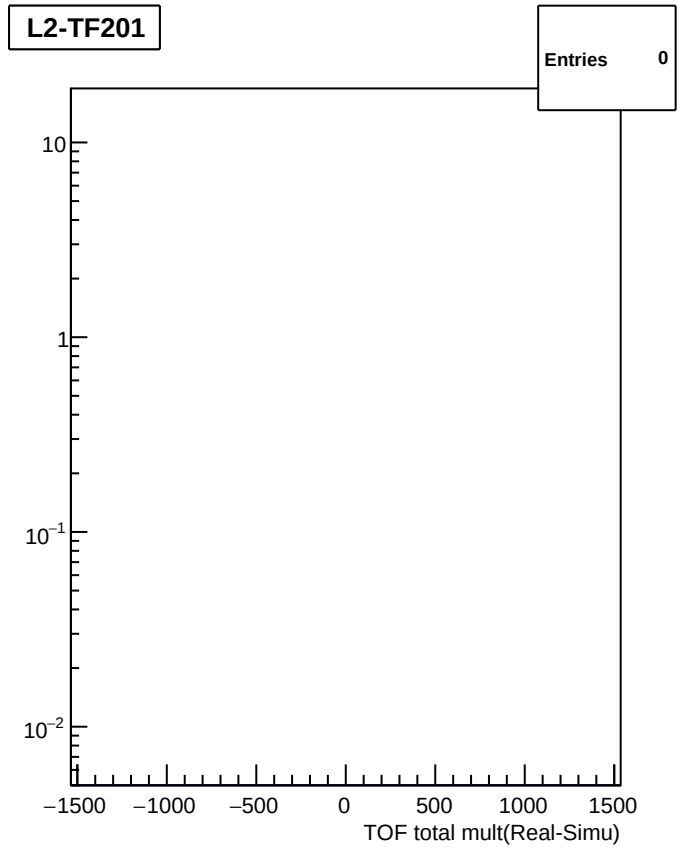

MIX-TF101
Entries 2053440
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

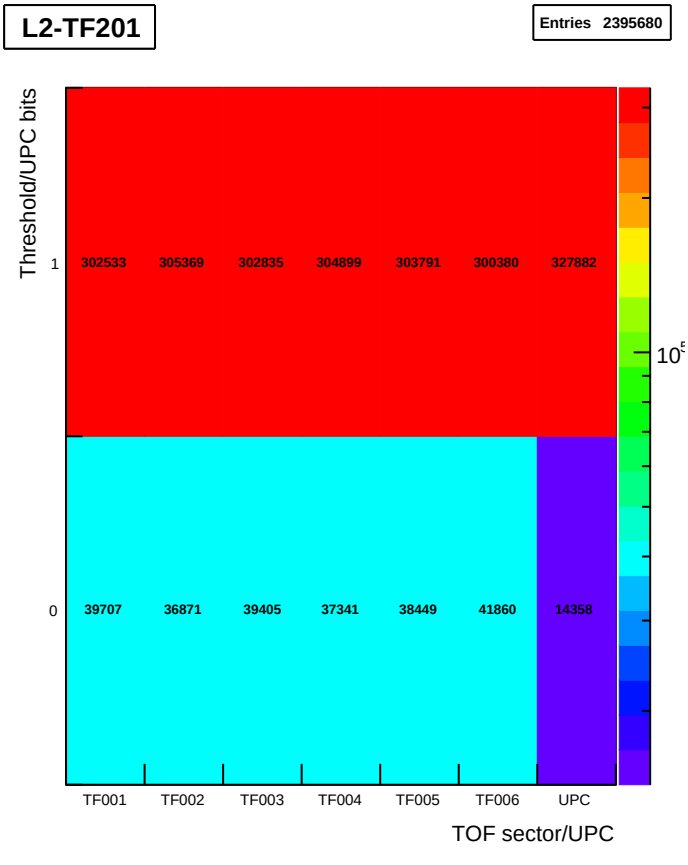

MIX-TF101
Entries 103345
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

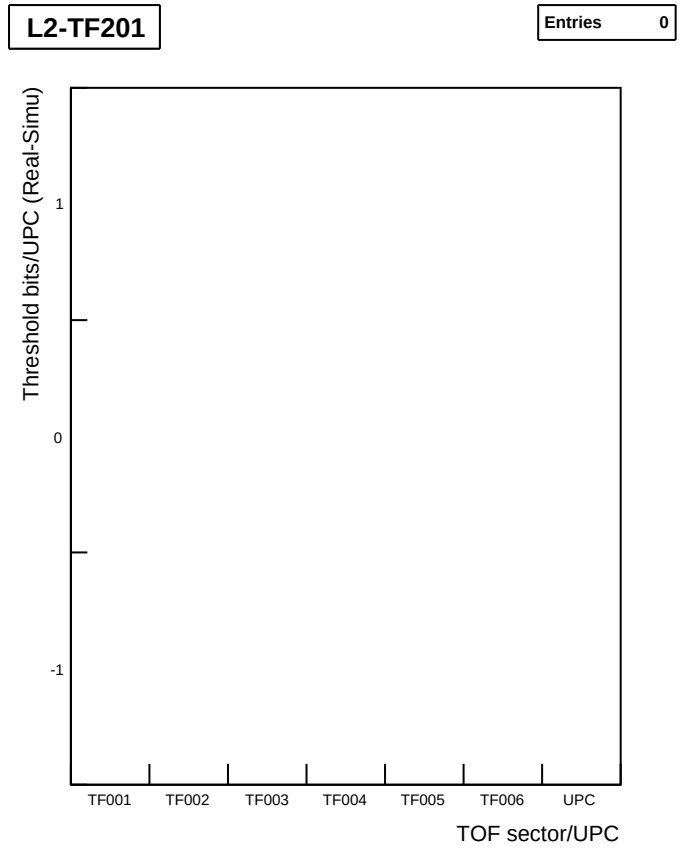

MIX-TF101
Entries 2053440
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

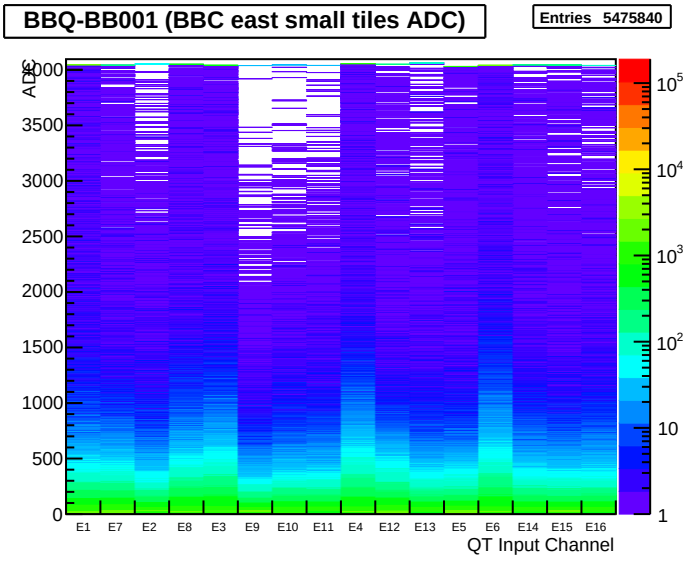

MIX-TF101
Entries 209554
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

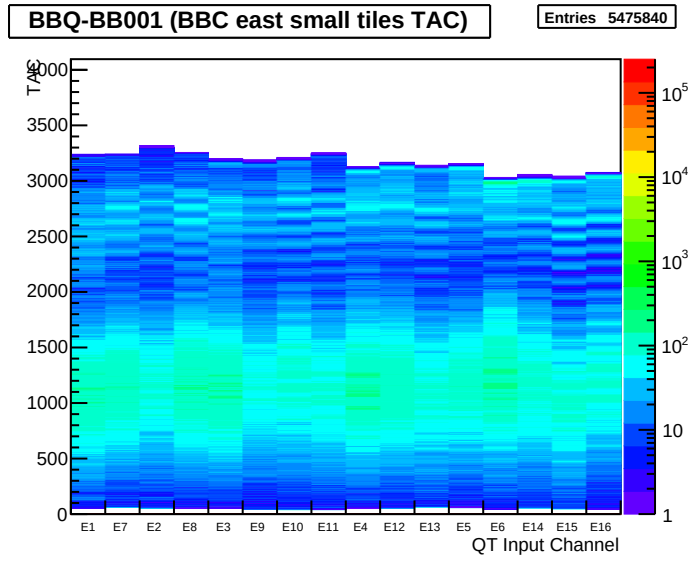

L2-TF201
Entries 342240
TOF total mult

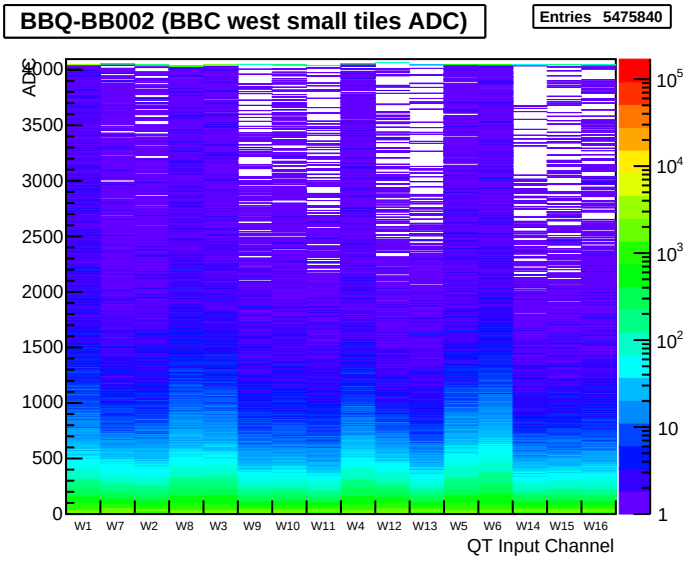

L2-TF201
Entries 0
TOF total mult(Real-Simu)

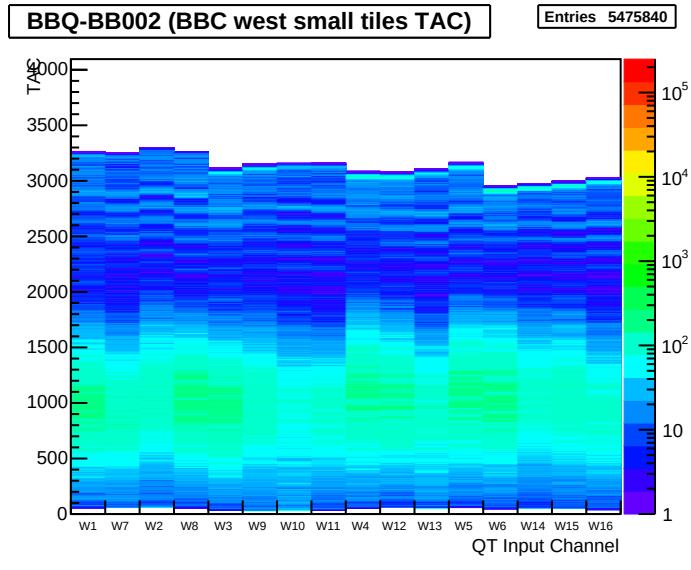

L2-TF201
Entries 2395680
Threshold/UPC bits
302533 305369 302835 304899 303791 300380 327882
39707 36871 39405 37341 38449 41860 14358
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

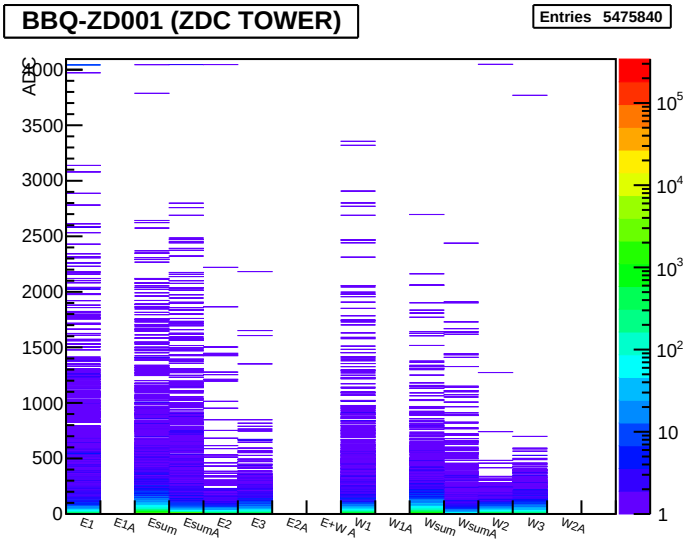

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

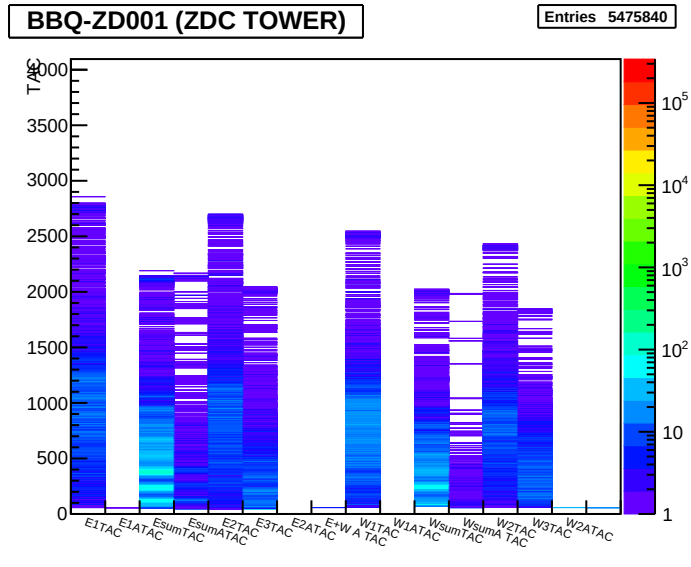

BBQ-BB001 (BBC east small tiles ADC)
Entries 5475840
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

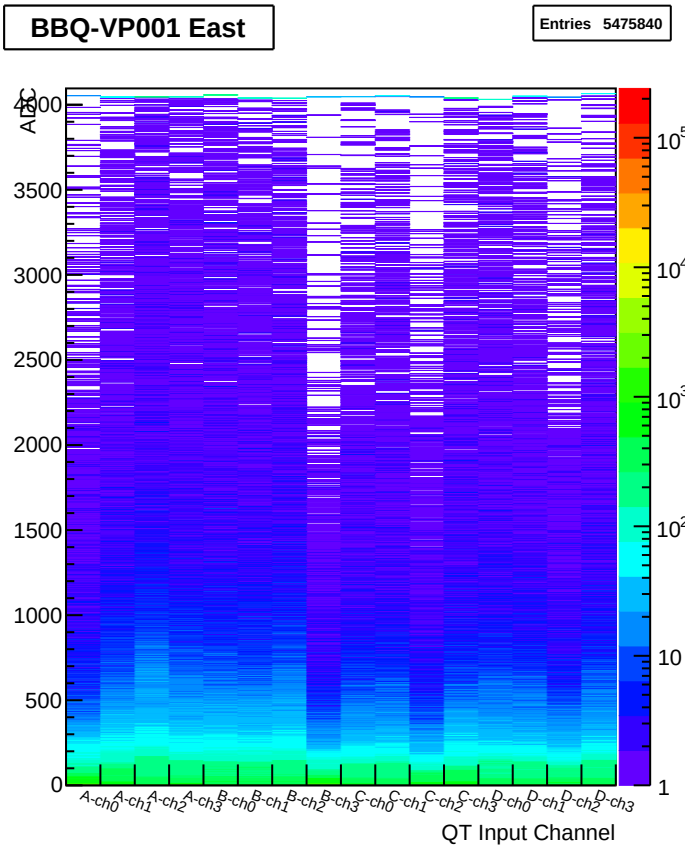

BBQ-BB001 (BBC east small tiles TAC)
Entries 5475840
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

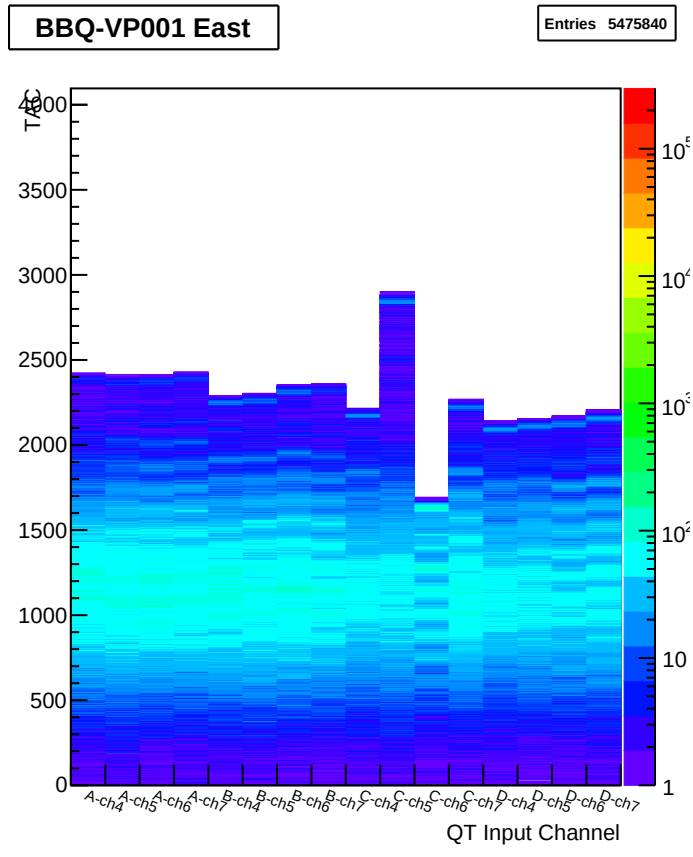

BBQ-BB002 (BBC west small tiles ADC)
Entries 5475840
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

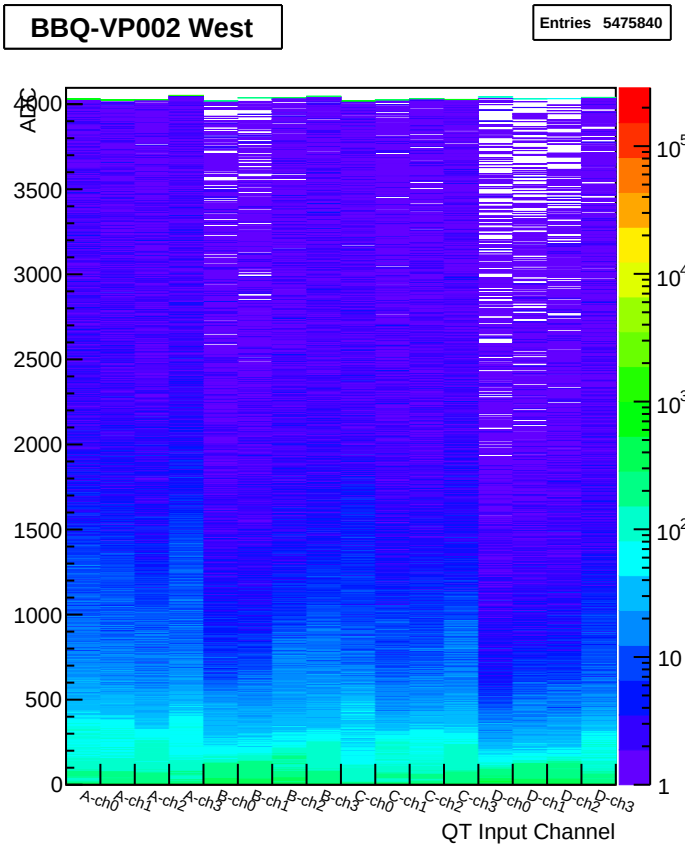

BBQ-BB002 (BBC west small tiles TAC)
Entries 5475840
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

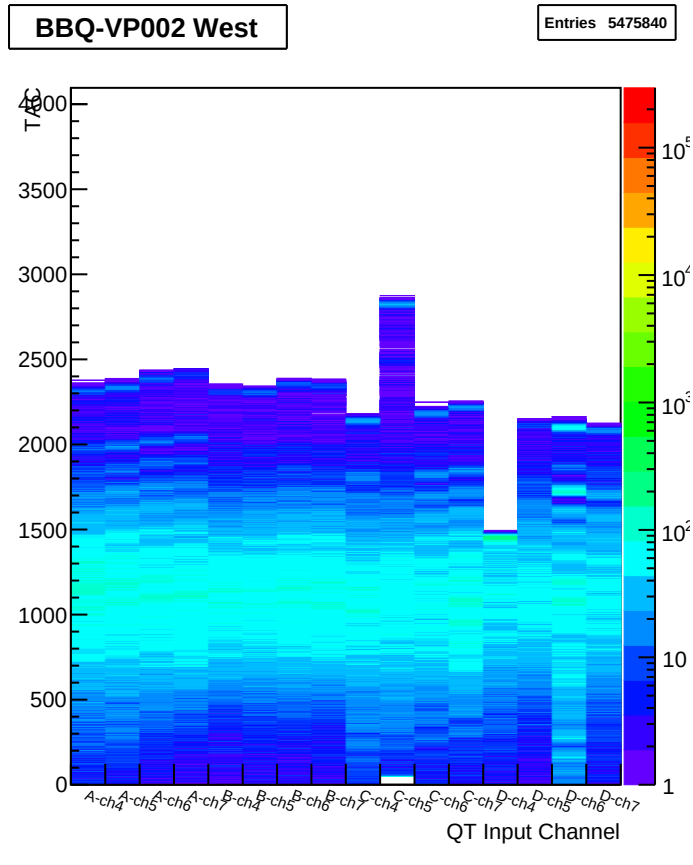

BBQ-ZD001 (ZDC TOWER)
Entries 5475840
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

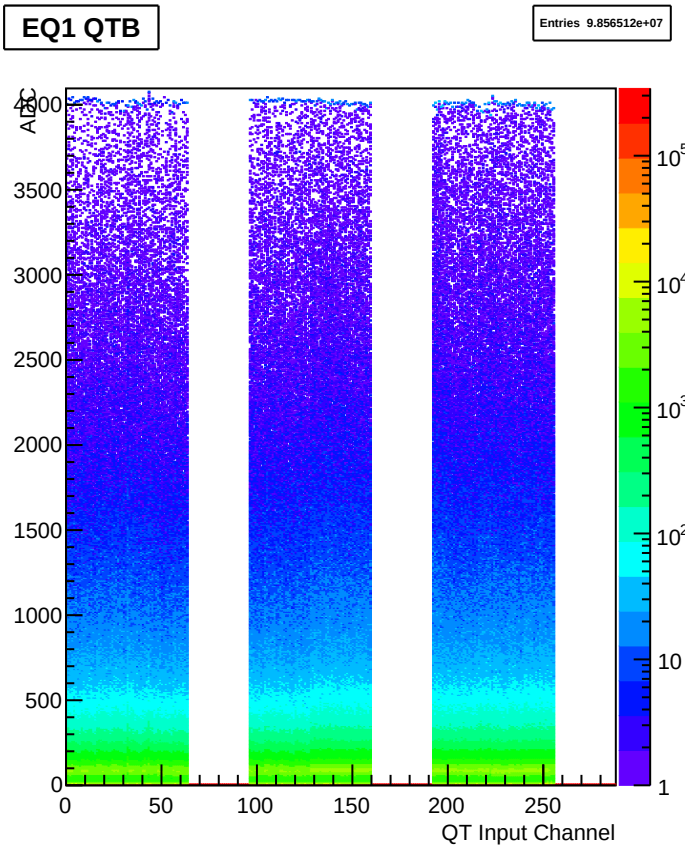

BBQ-ZD001 (ZDC TOWER)
Entries 5475840
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

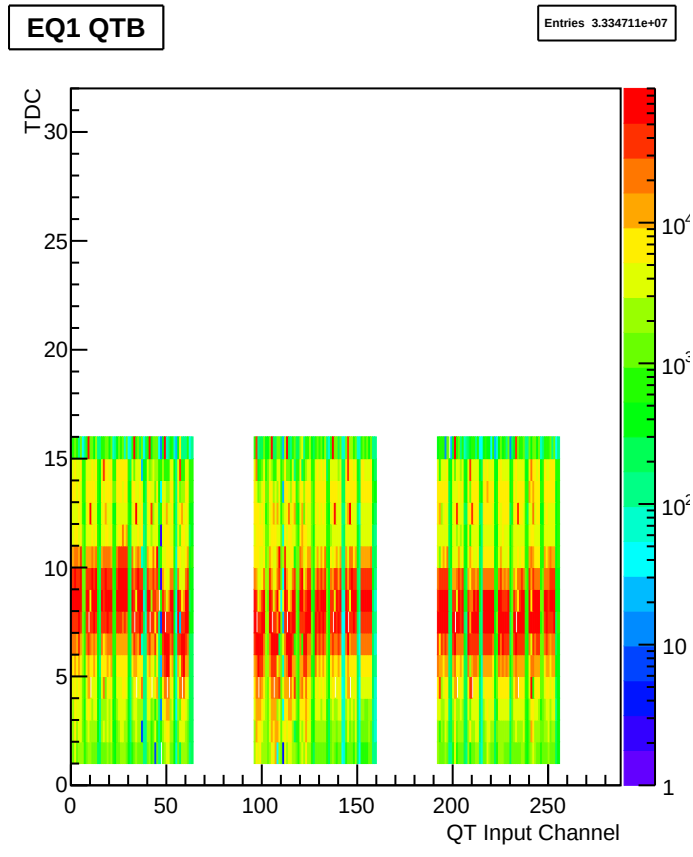

BBQ-VP001 East
Entries 5475840
ADC
QT Input Channel

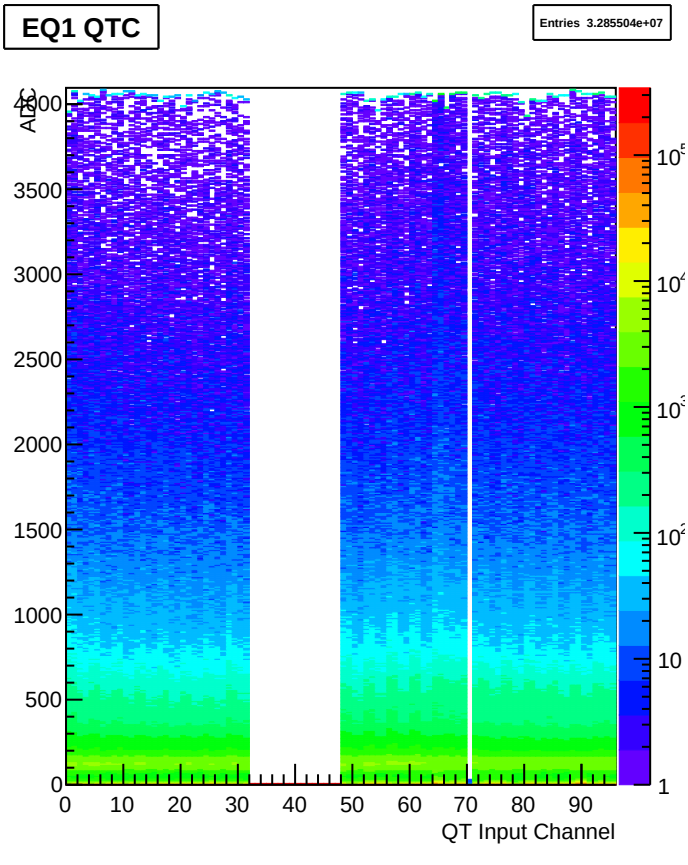

BBQ-VP001 East
Entries 5475840
TADC
QT Input Channel

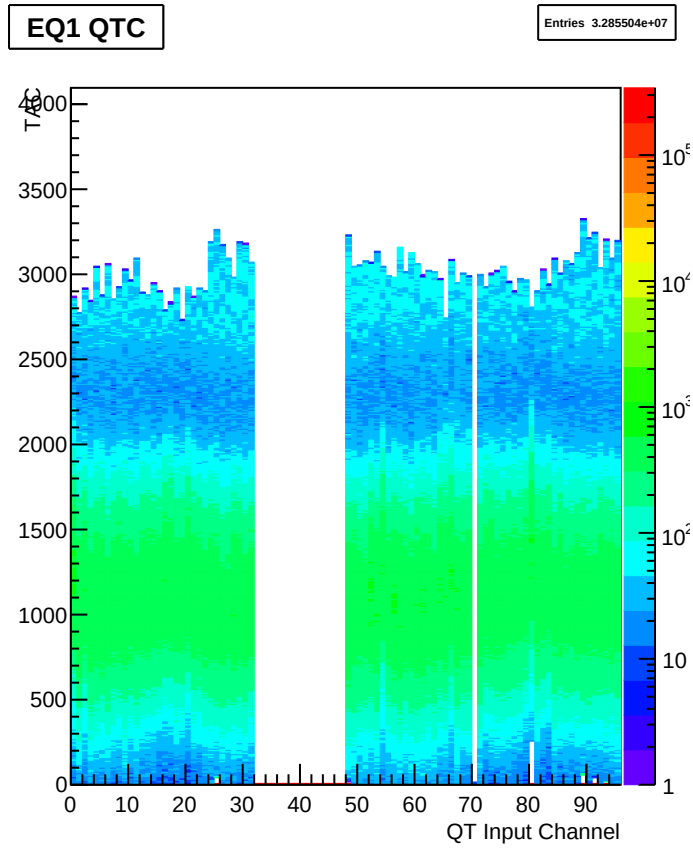

BBQ-VP002 West
Entries 5475840
ADC
QT Input Channel

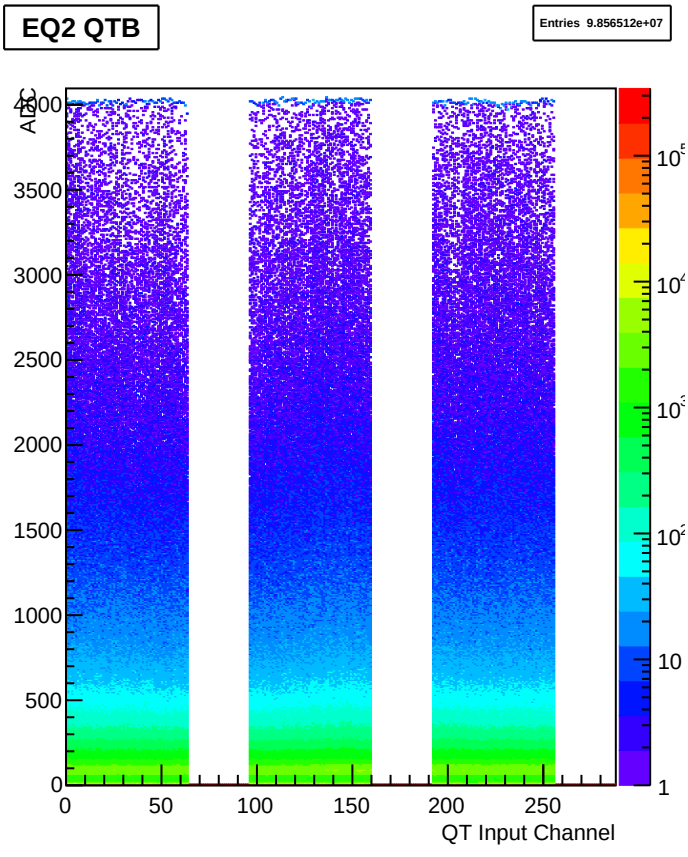

BBQ-VP002 West
Entries 5475840
TADC
QT Input Channel

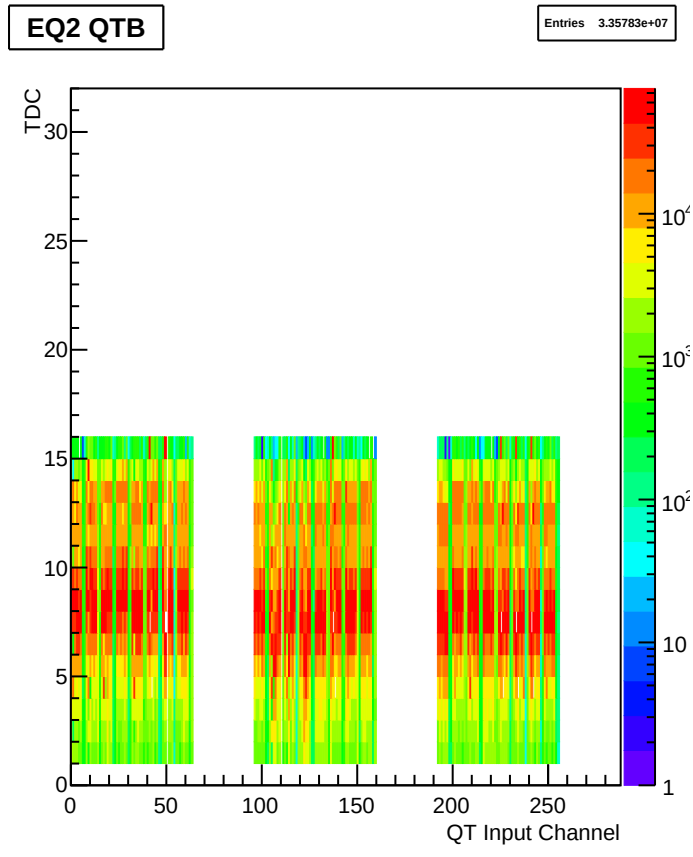

EQ1 QTB
Entries 9.856512e+07
ADC
QT Input Channel

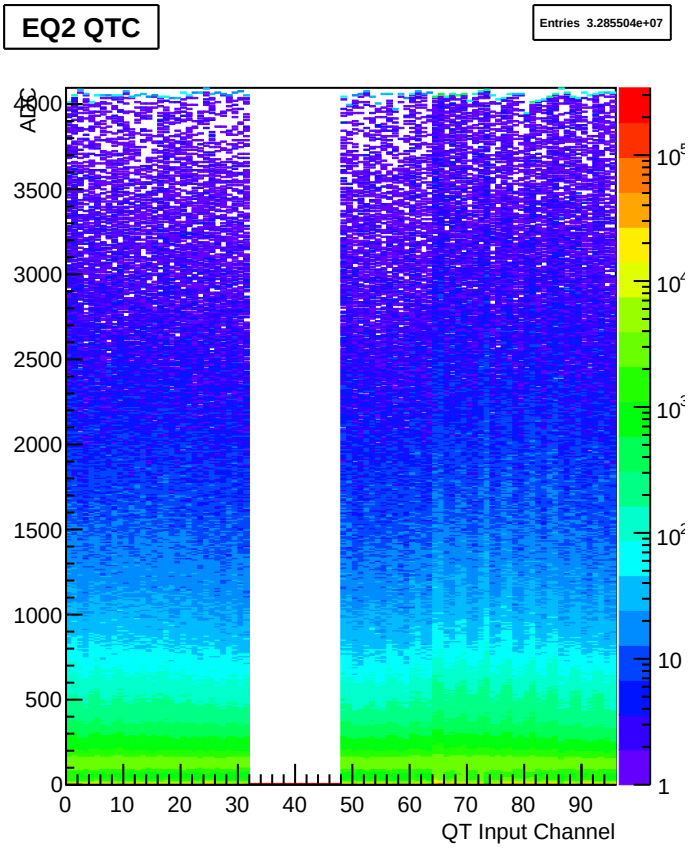

EQ1 QTB
Entries 3.334711e+07
TDC
QT Input Channel

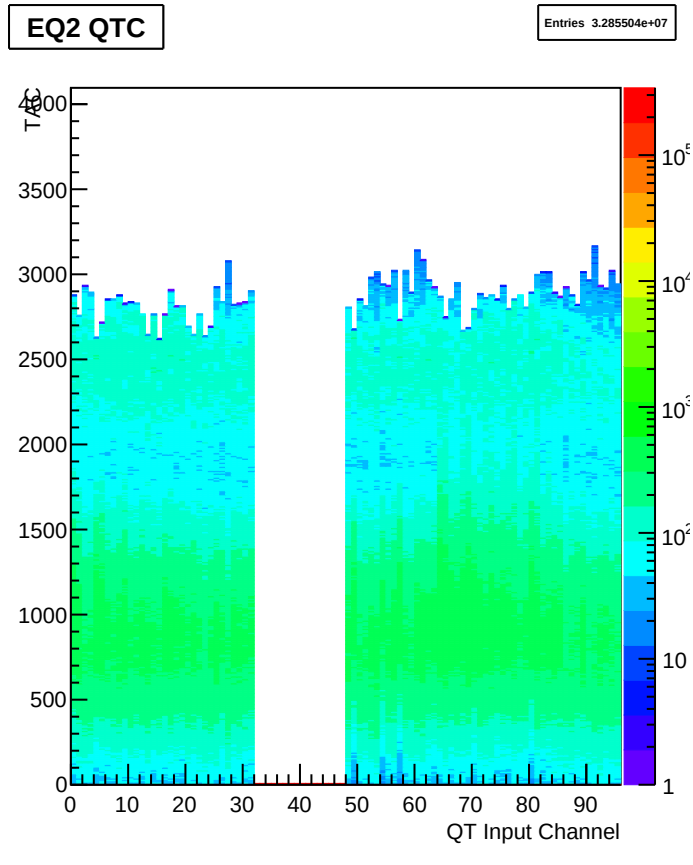

EQ1 QTC
Entries 3.285504e+07
ADC
QT Input Channel

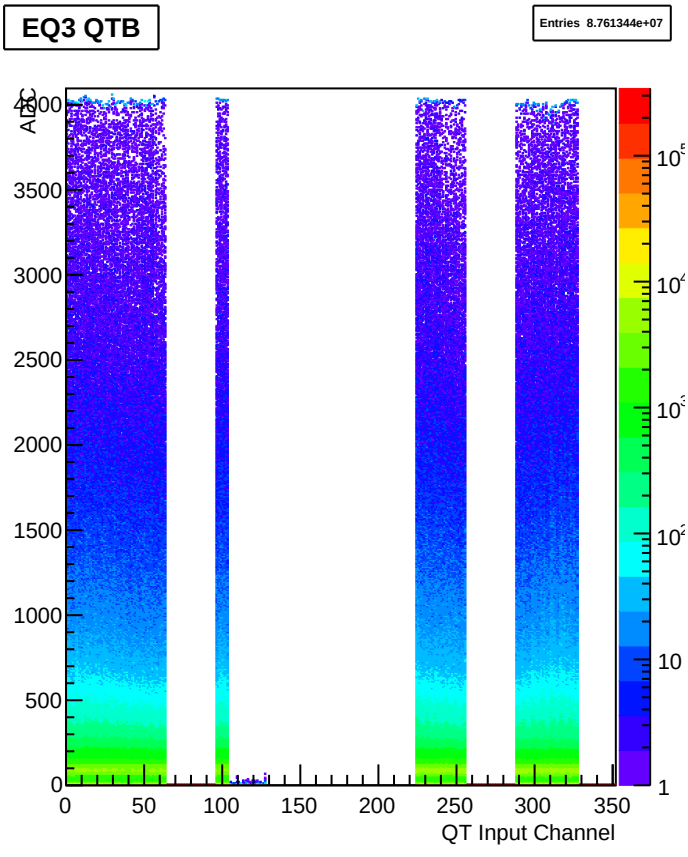

EQ1 QTC
Entries 3.285504e+07
TADC
QT Input Channel

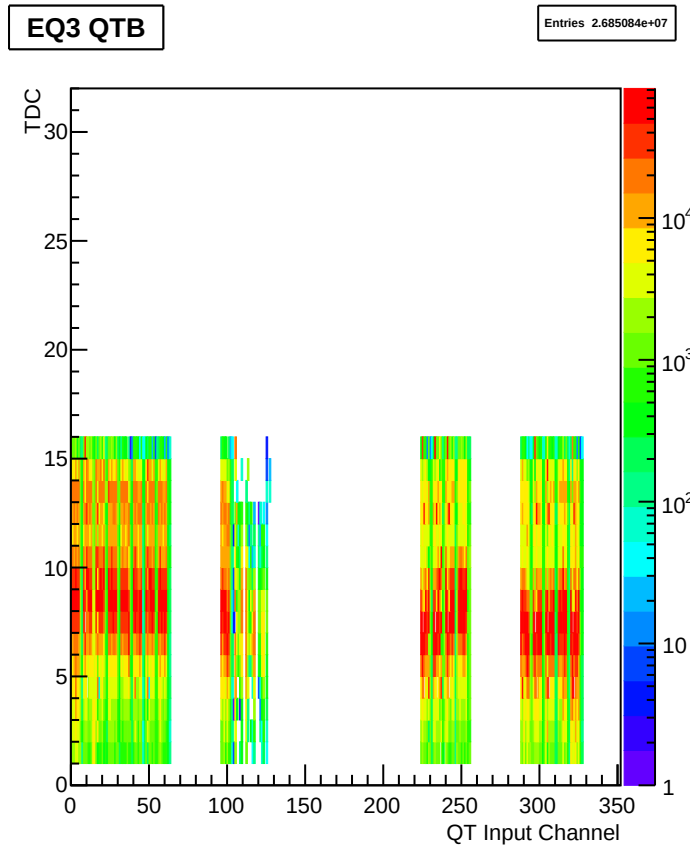

EQ2 QTB
Entries 9.856512e+07
ADC
QT Input Channel

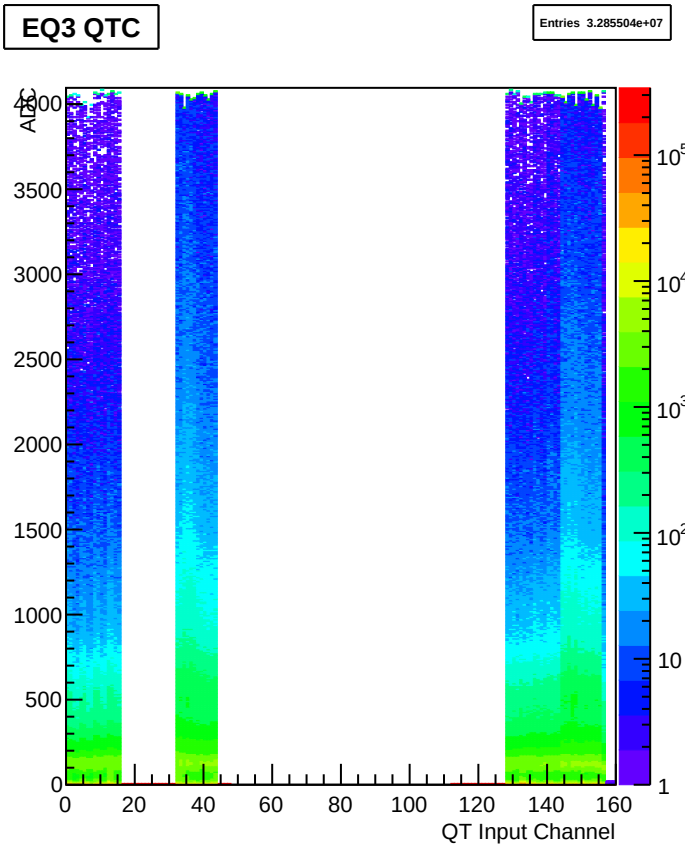

EQ2 QTB
Entries 3.35783e+07
TDC
QT Input Channel

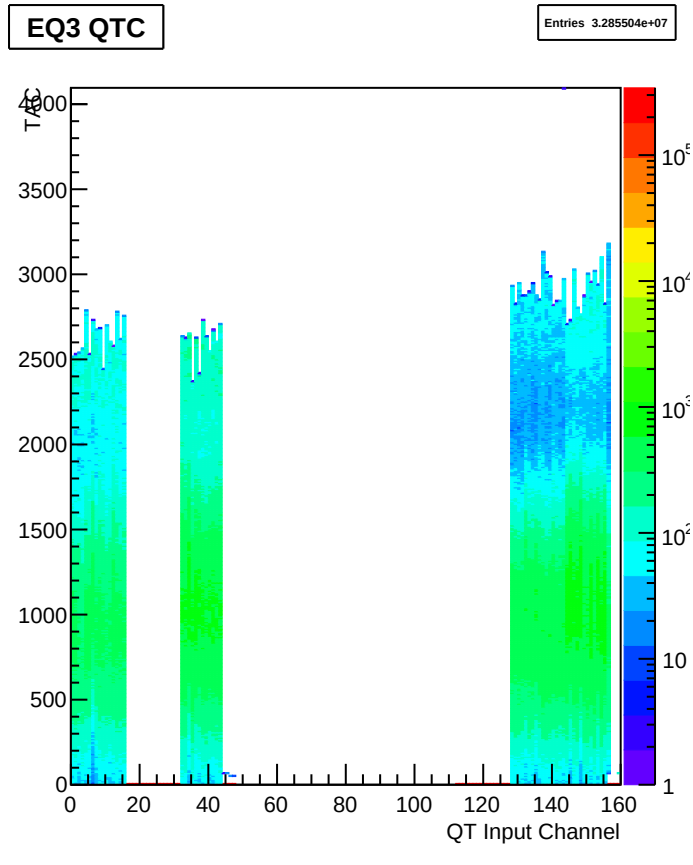

EQ2 QTC
Entries 3.285504e+07
ADC
QT Input Channel

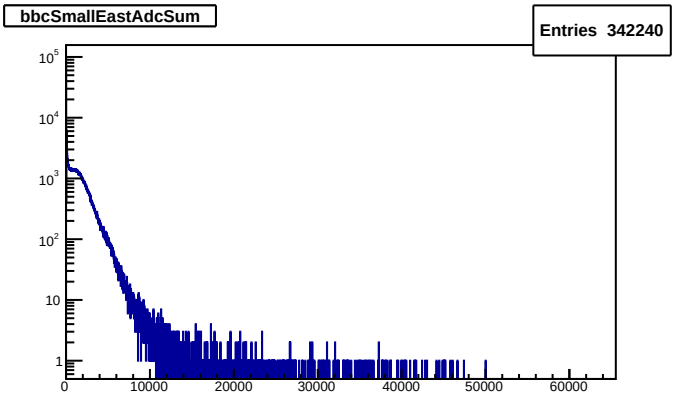

EQ2 QTC
Entries 3.285504e+07
TADC
QT Input Channel

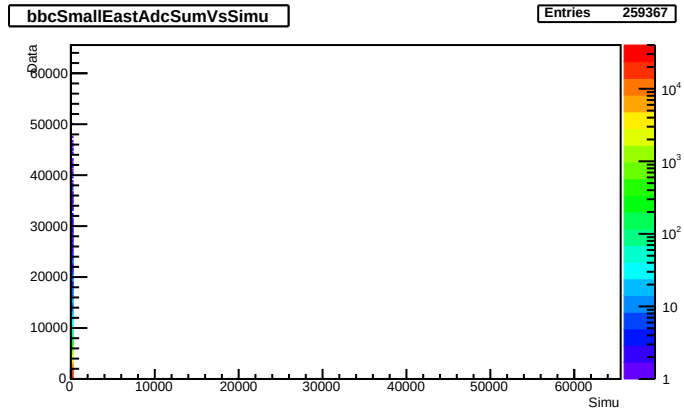

EQ3 QTB
Entries 8.761344e+07
ADC
QT Input Channel

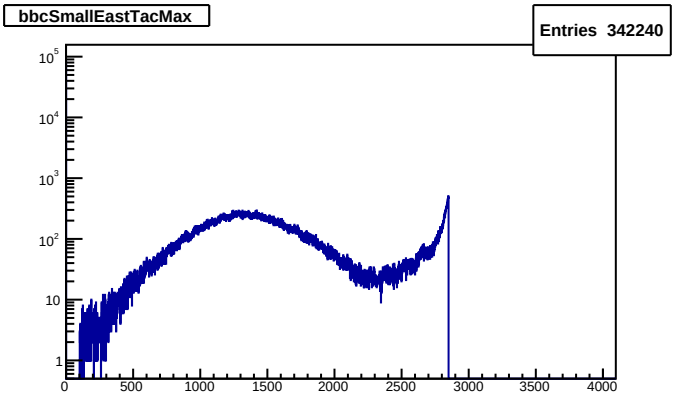

EQ3 QTB
Entries 2.685084e+07
TDC
QT Input Channel

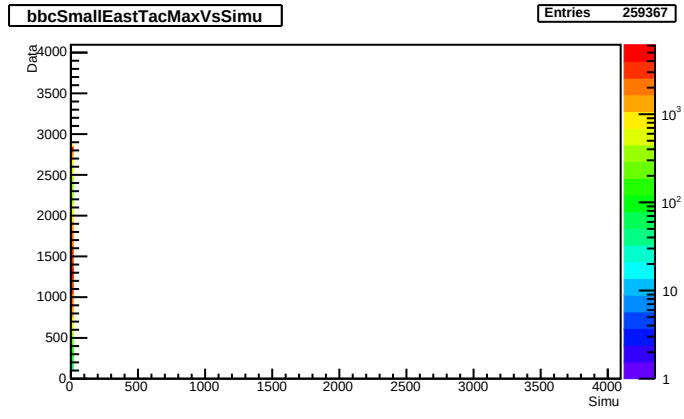

EQ3 QTC
Entries 3.285504e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.285504e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 342240


bbcSmallEastAdcSumVsSimu
Entries 259367
Data
Simu


bbcSmallEastTacMax
Entries 342240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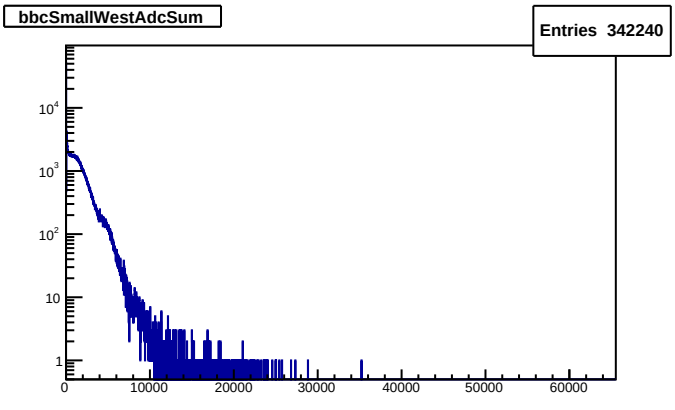
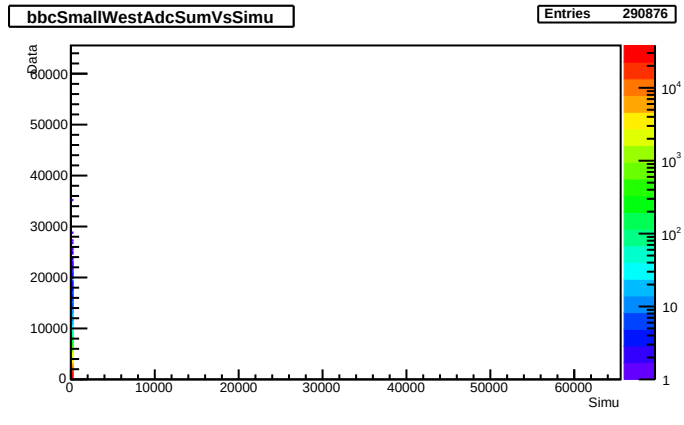
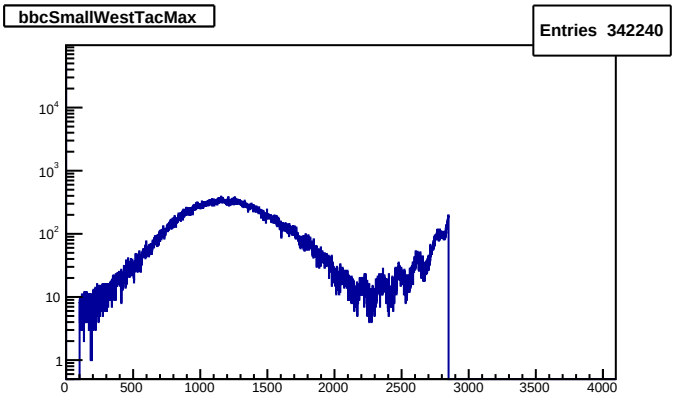
Entries 259367
Data
Simu


bbcSmallWestAdcSum
Entries 342240


bbcSmallWestAdcSumVsSimu
Entries 290876
Data
Simu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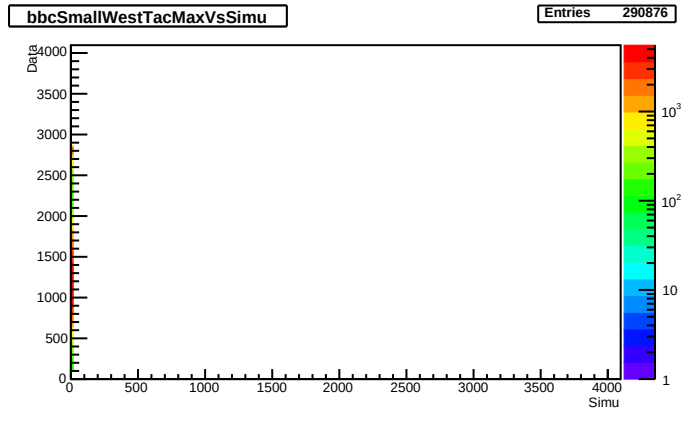
Entries 342240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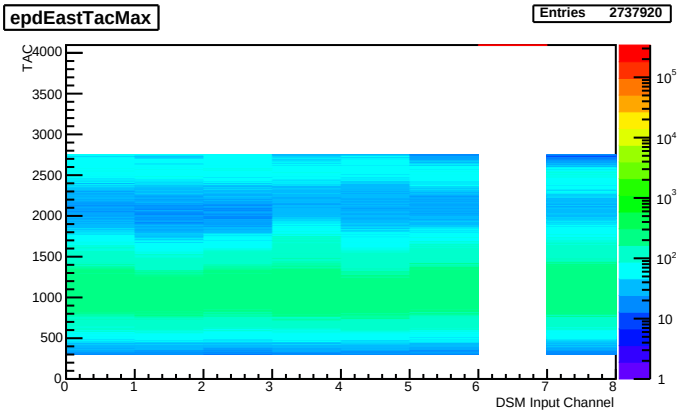
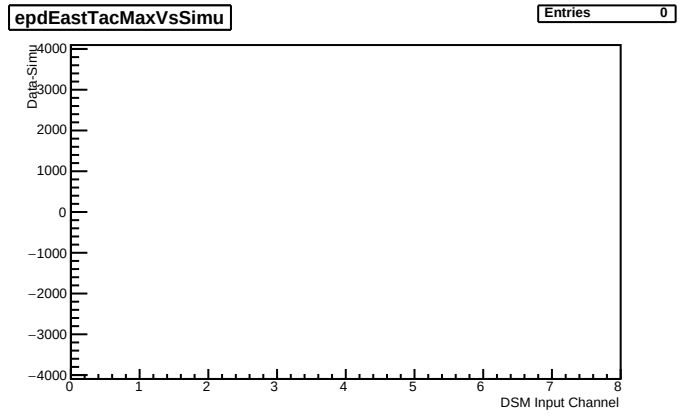
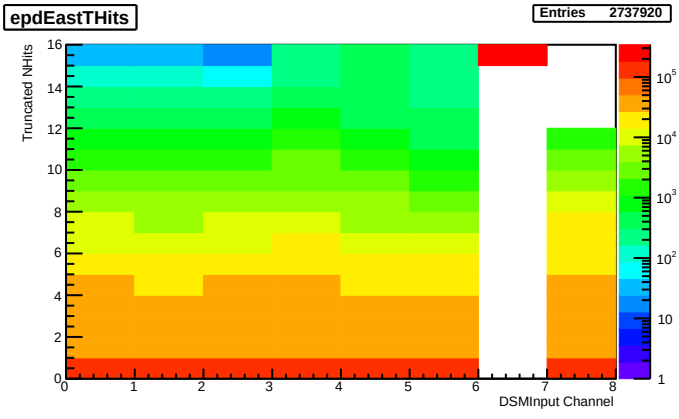
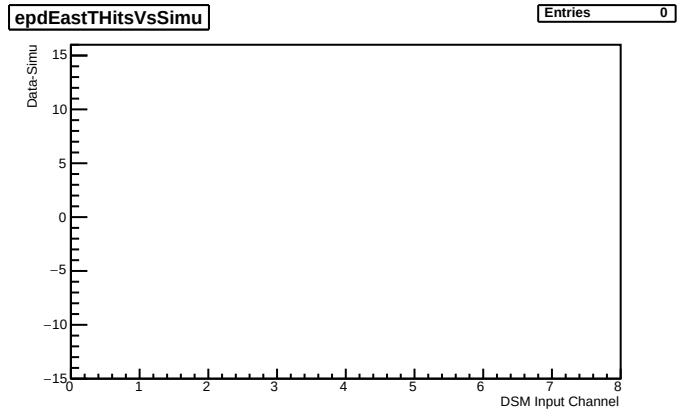
Entries 290876
Data
Simu


epdEastTacMax
Entries 2737920
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2737920
Truncated NHits
DSMInput Channel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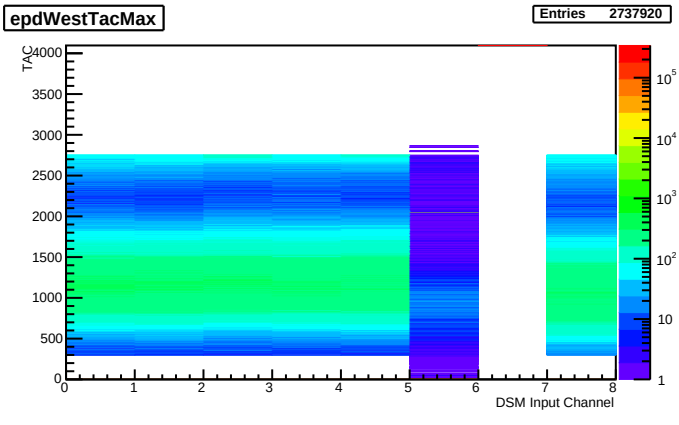
Data-Simu
DSM Input Channel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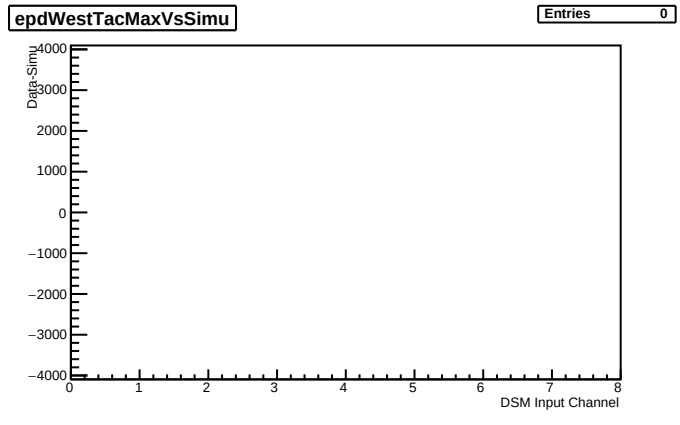
Entries 2737920
TAC
DSM Input Channel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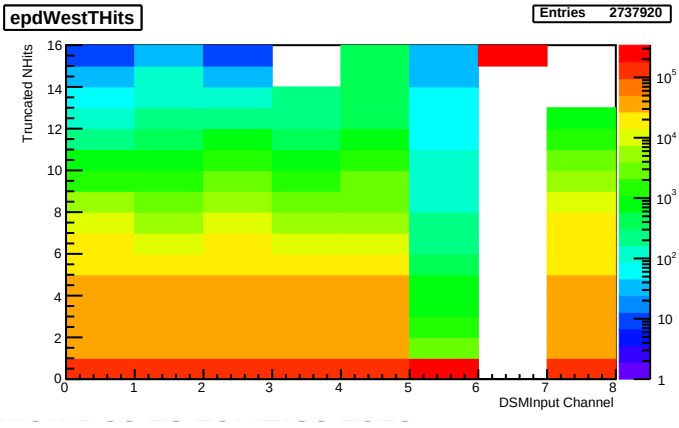
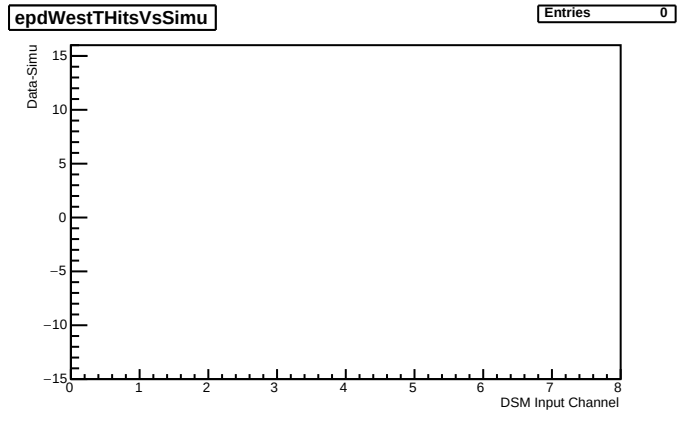
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2737920
Truncated NHits
DSMInput Channel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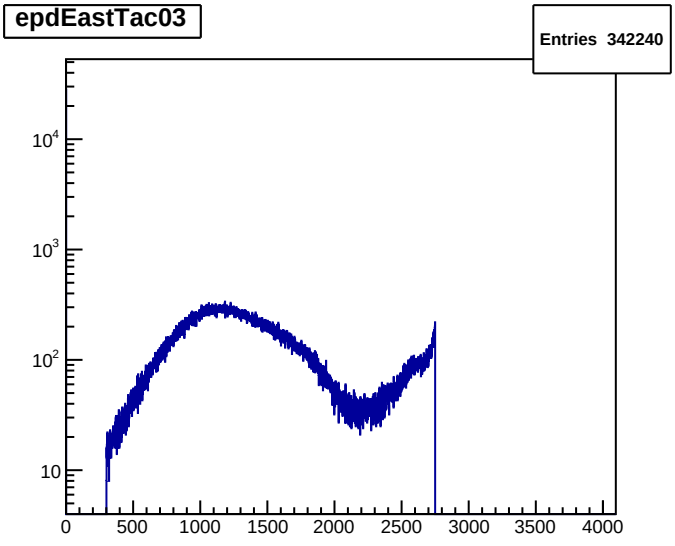
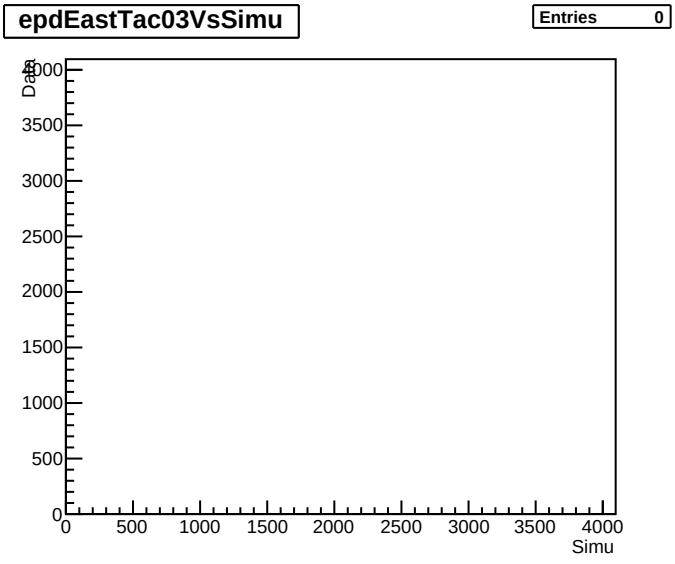
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 342240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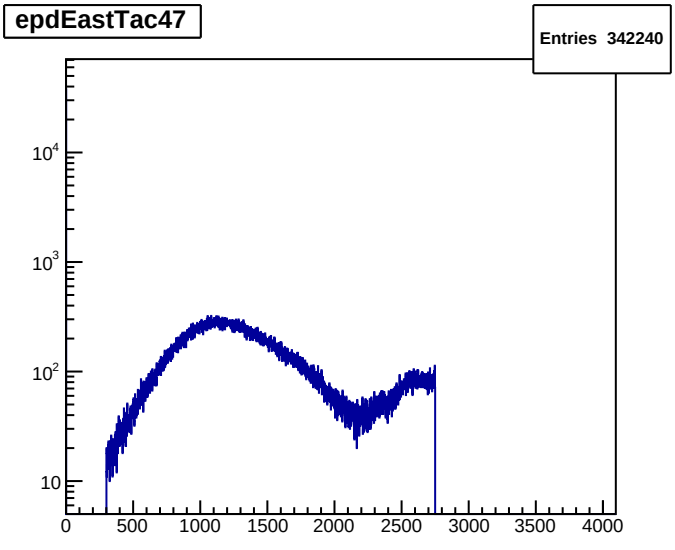
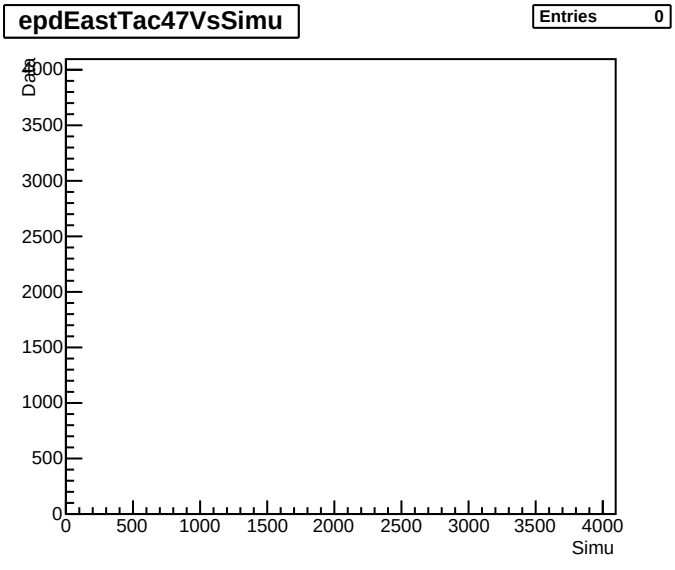
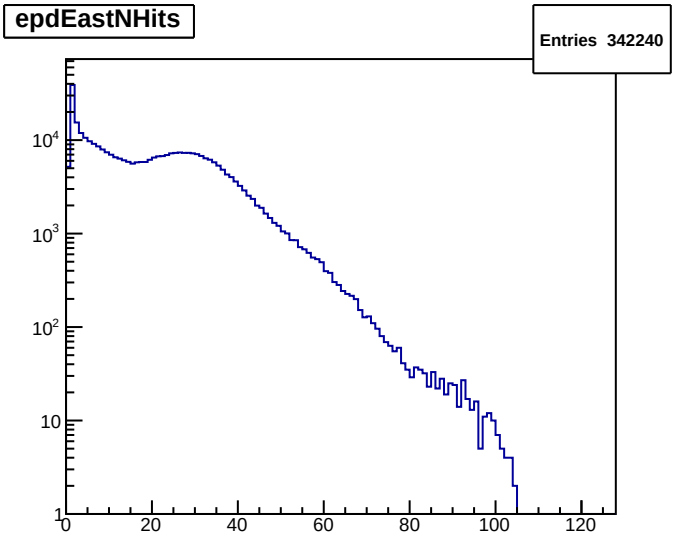
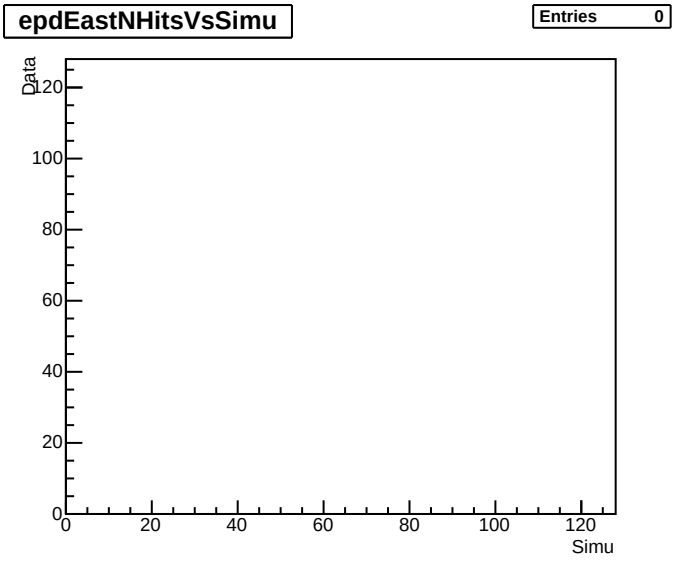
Entries 0
Data
Simu


epdEastTac47
Entries 342240


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 342240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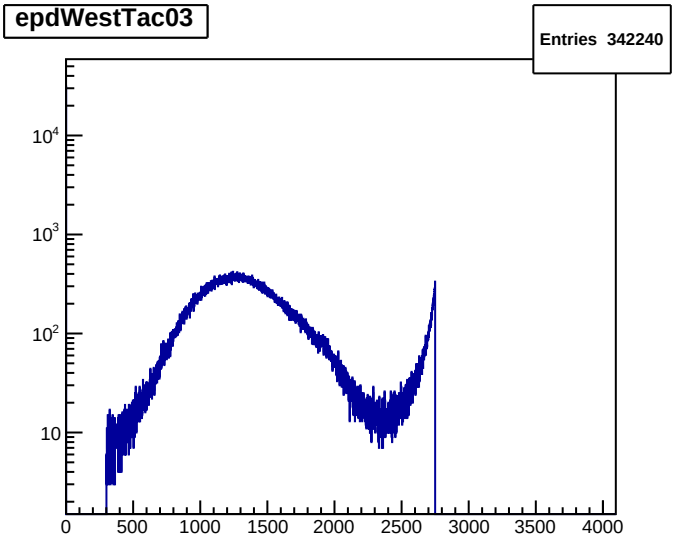
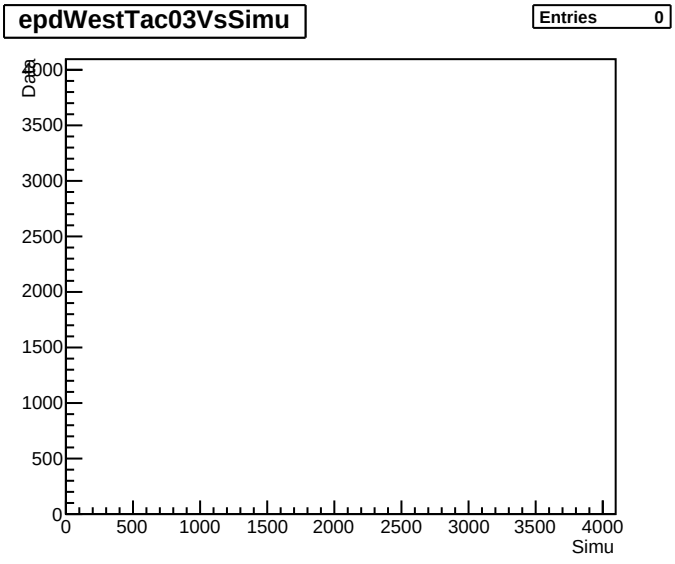

epdWestTac03
Entries 342240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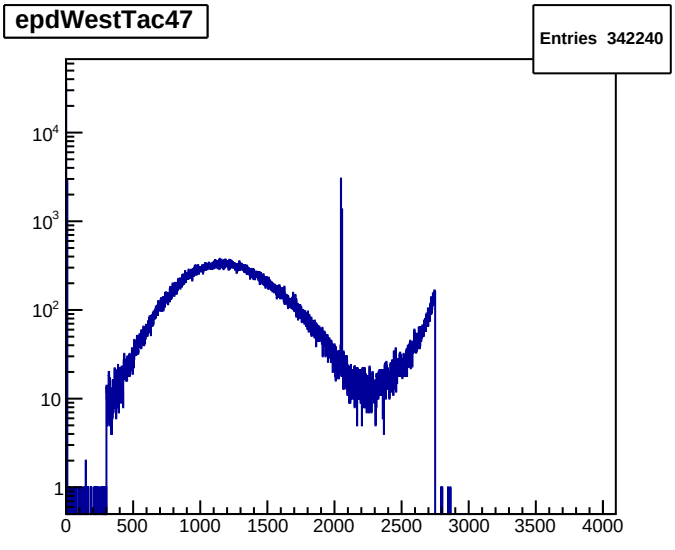
Simu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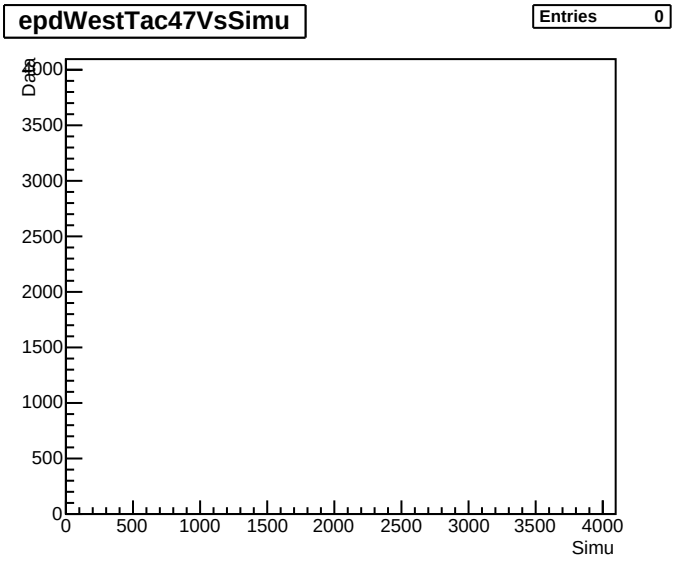
Entries 342240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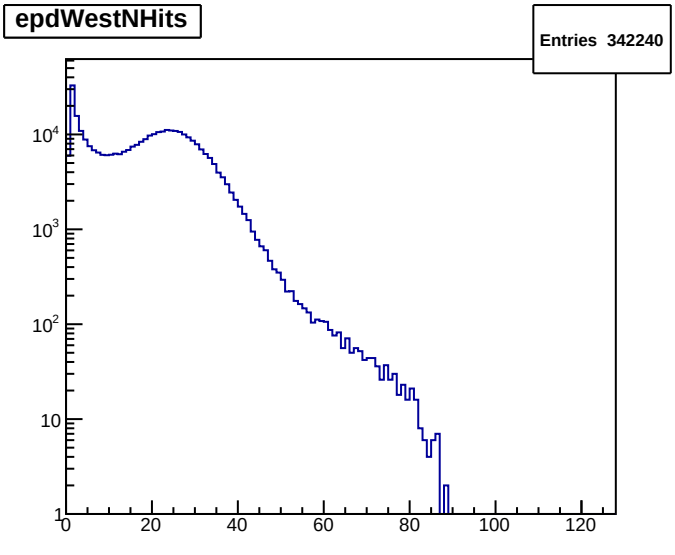
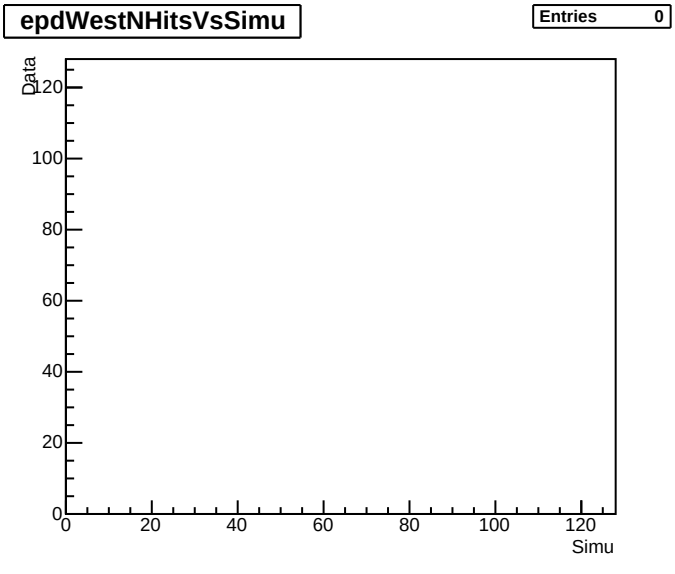
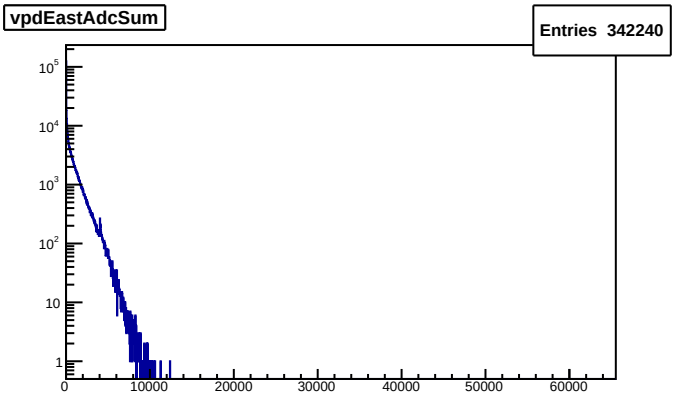
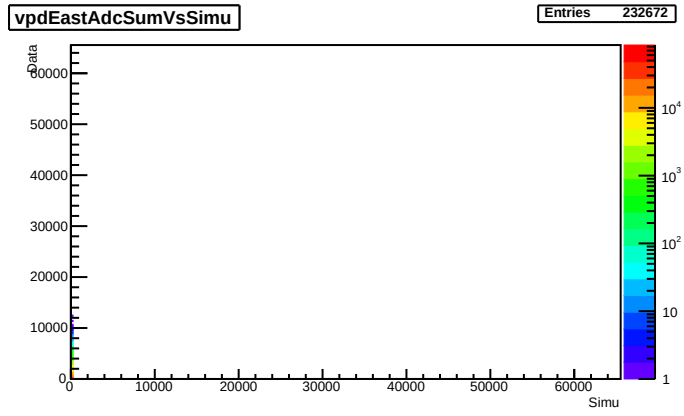
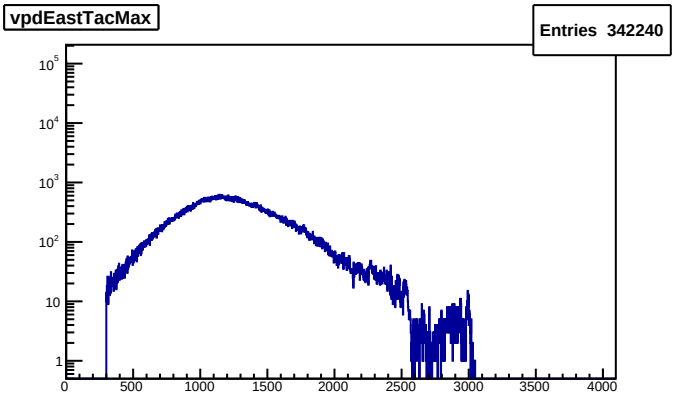
Entries 0
Data
Simu

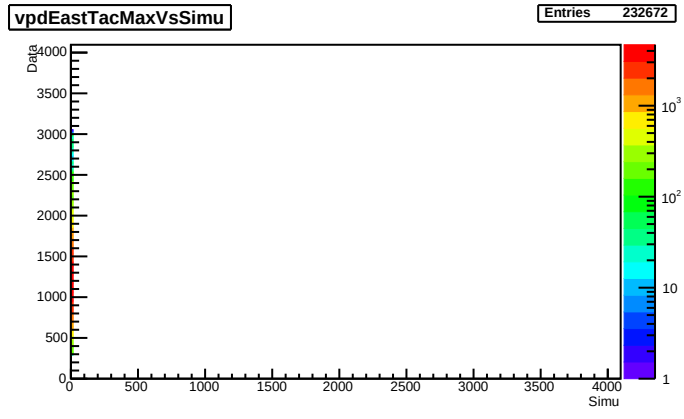

epdWestNHits
Entries 342240

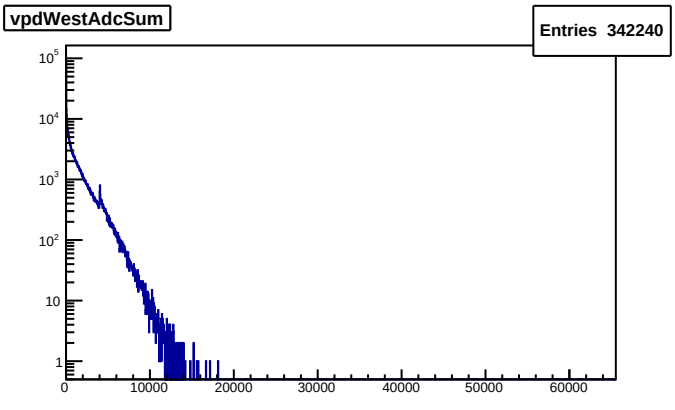

epdWestNHitsVsSimu
Entries 0
Data
Simu

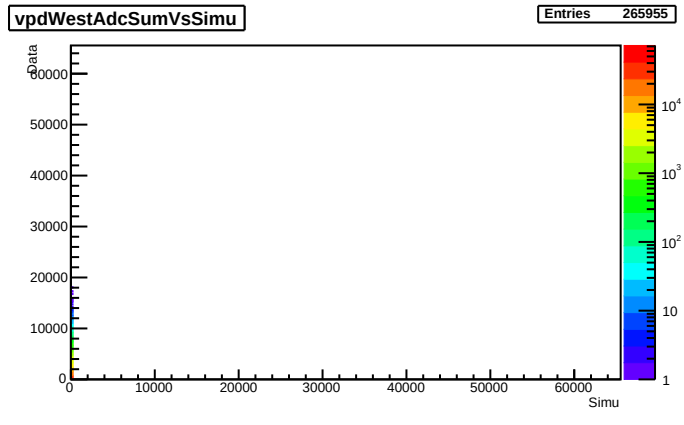

vpdEastAdcSum
Entries 342240

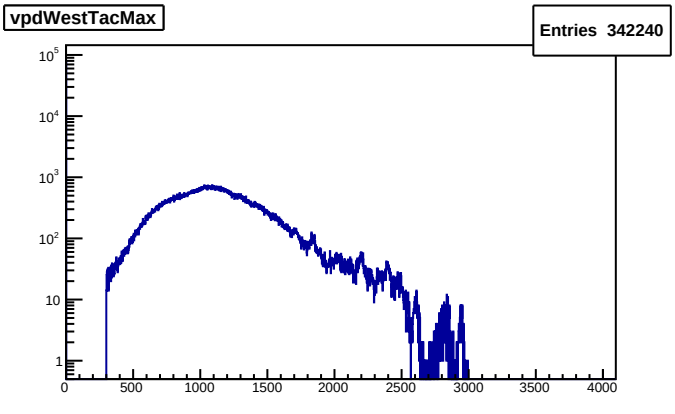

vpdEastAdcSumVsSimu
Entries 232672
Data
Simu

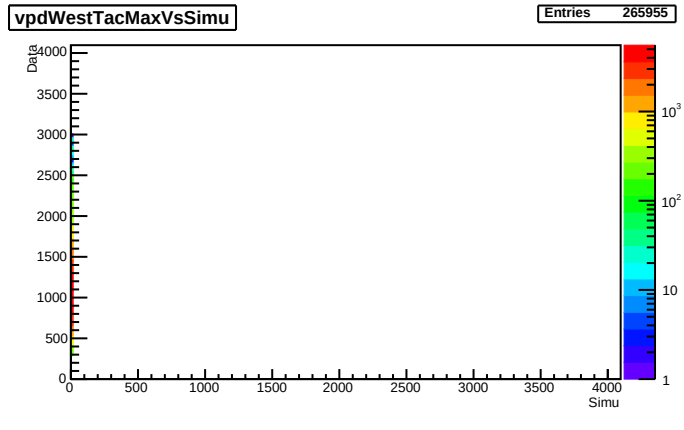

vpdEastTacMax
Entries 342240

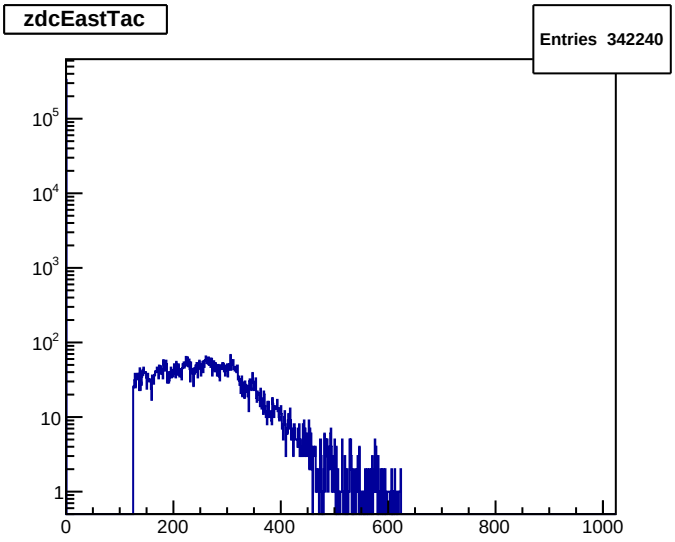

vpdEastTacMaxVsSimu
Entries 232672
Data
Simu

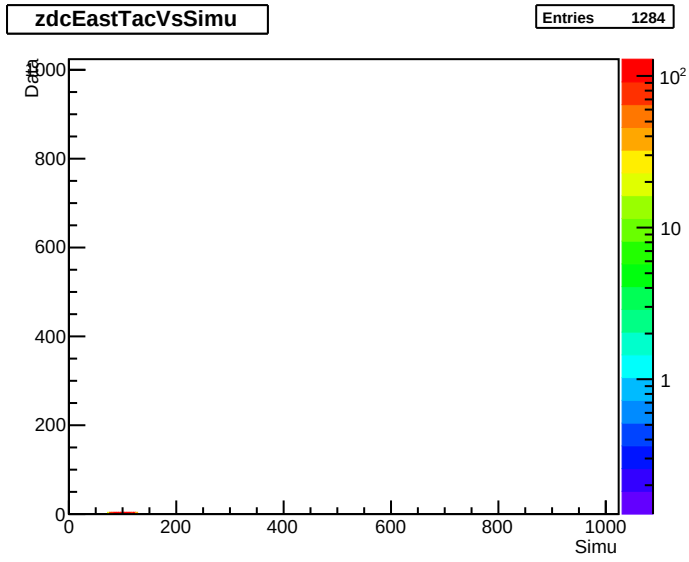

vpdWestAdcSum
Entries 342240

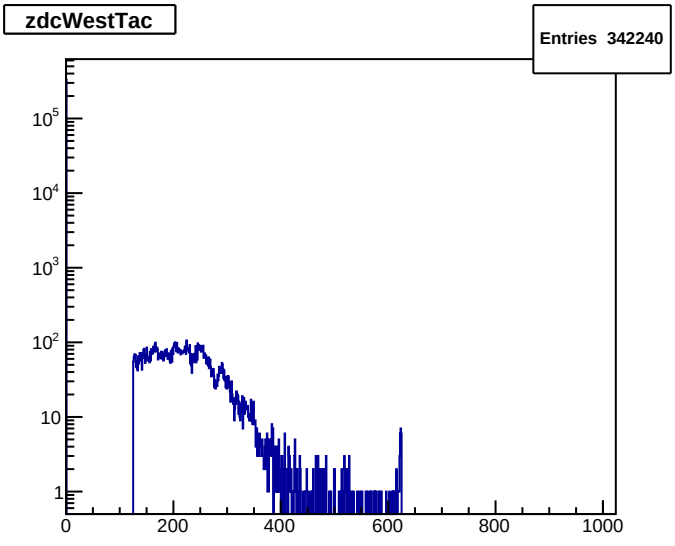

vpdWestAdcSumVsSimu
Entries 265955
Data
Simu

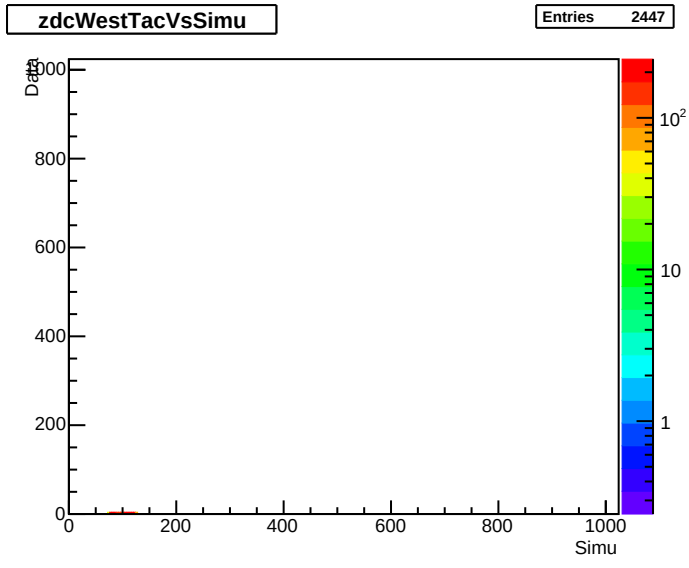

vpdWestTacMax
Entries 342240

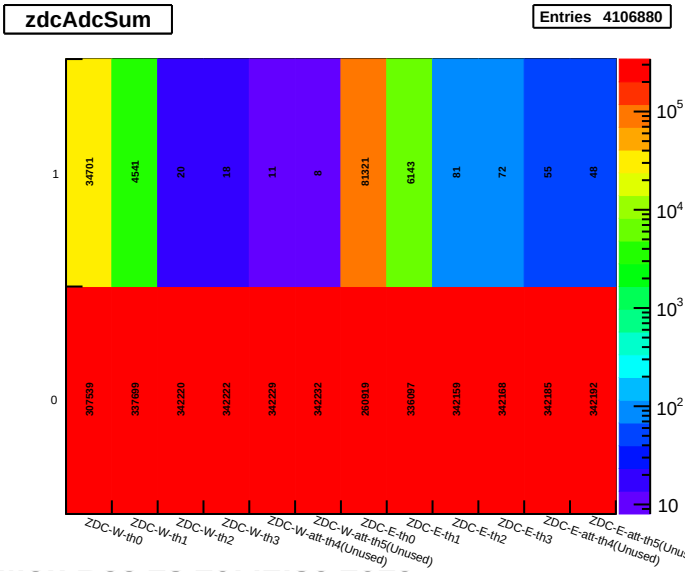

vpdWestTacMaxVsSimu
Entries 265955
Data
Simu

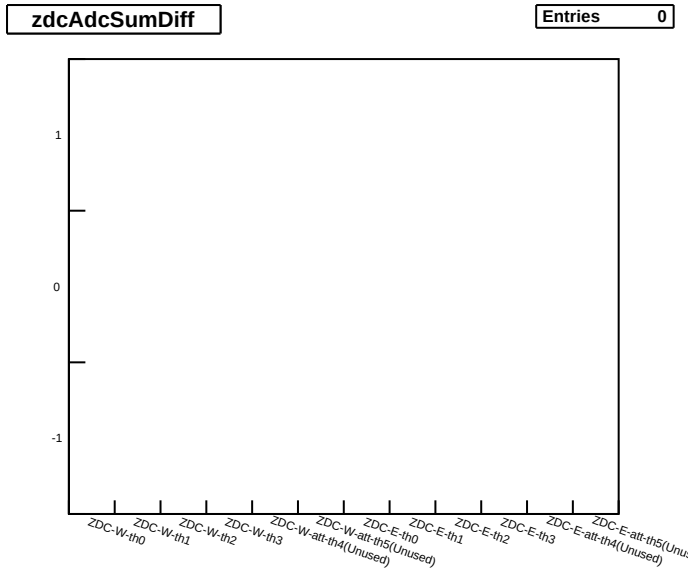

zdcEastTac
Entries 342240

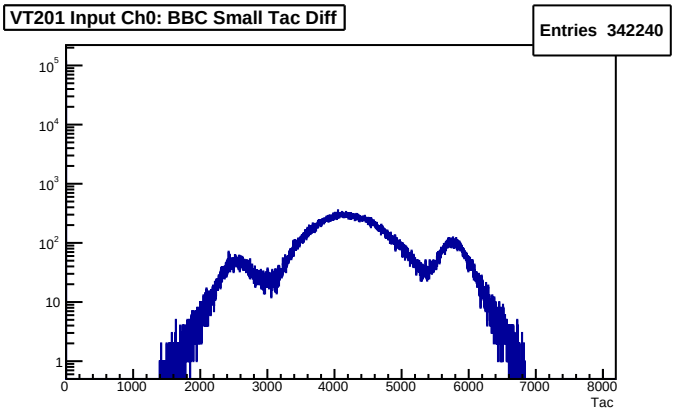

zdcEastTacVsSimu
Entries 1284
Data
Simu

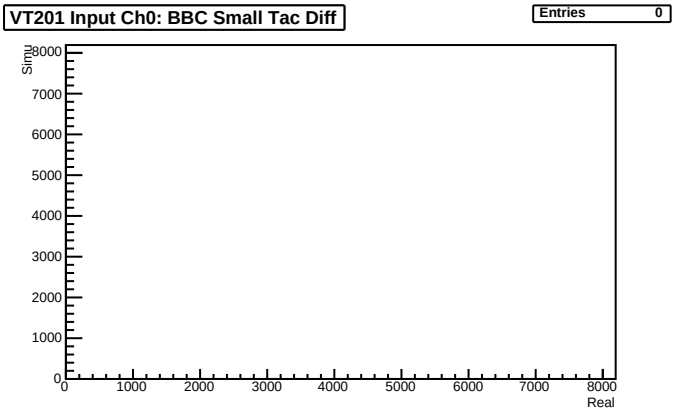

zdcWestTac
Entries 342240

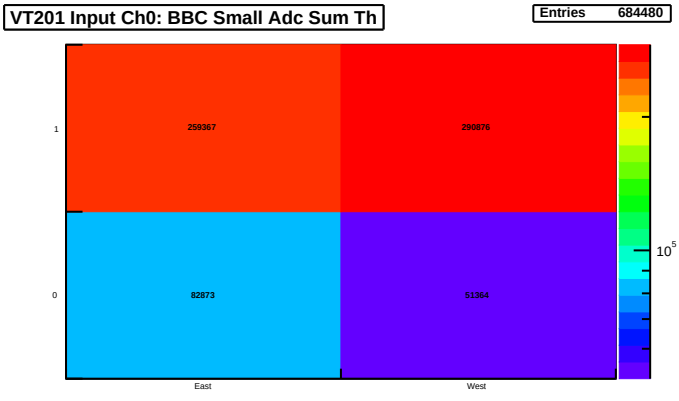

zdcWestTacVsSimu
Entries 2447
Data
Simu

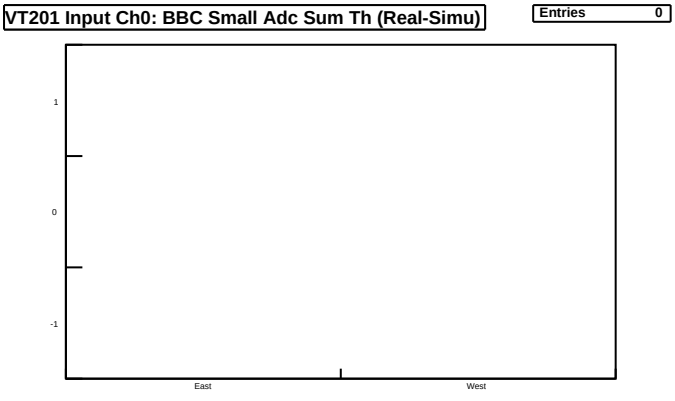

zdcAdcSum
Entries 4106880
34701
4541
20
18
11
8
81321
6143
81
72
55
48
307539
337699
342220
342222
342229
342232
260919
336097
342159
342168
342185
342192
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

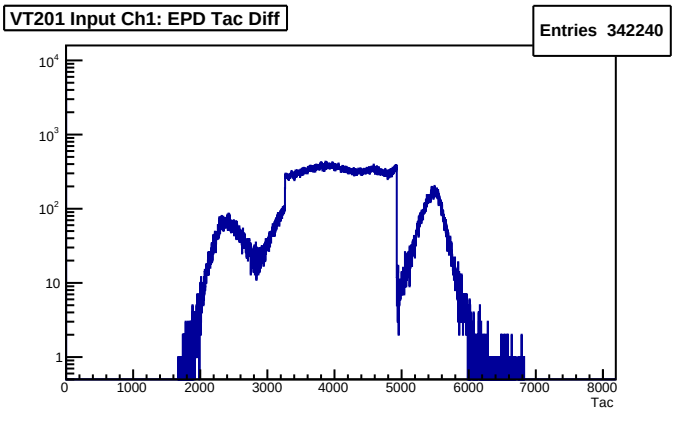

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

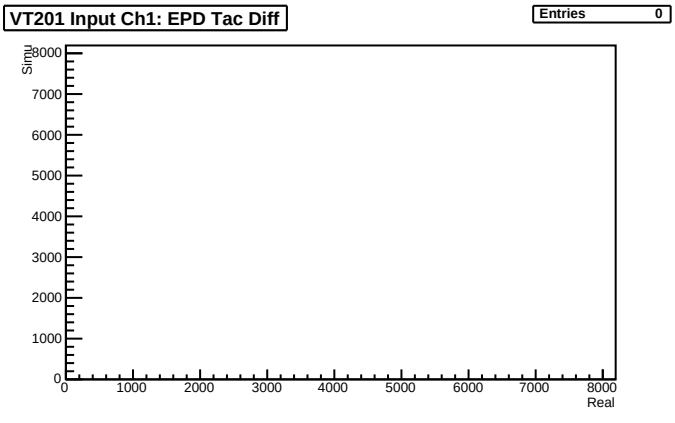

VT201 Input Ch0: BBC Small Tac Diff
Entries 342240
Tac

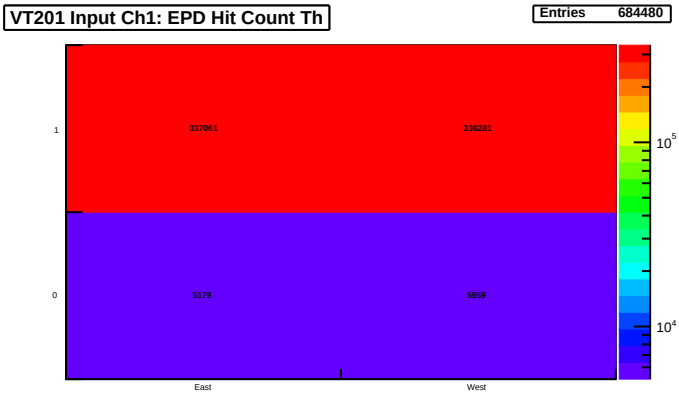

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

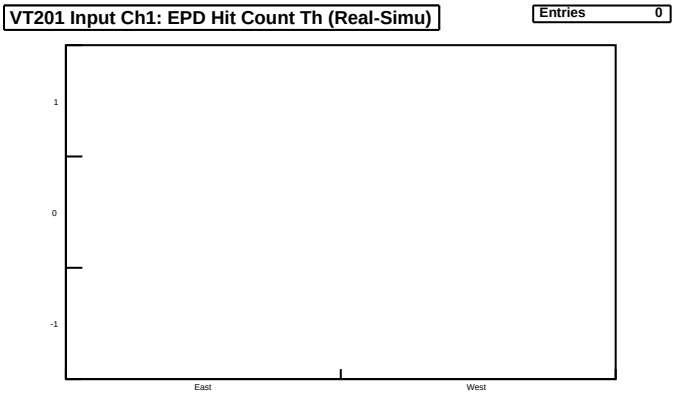

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 684480
259367
290876
82873
51364
East
West

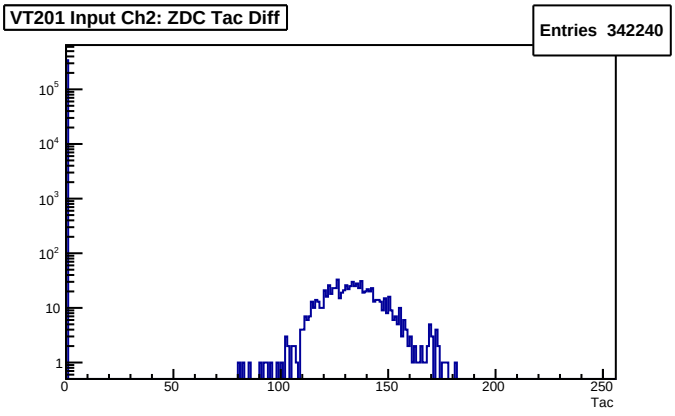

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

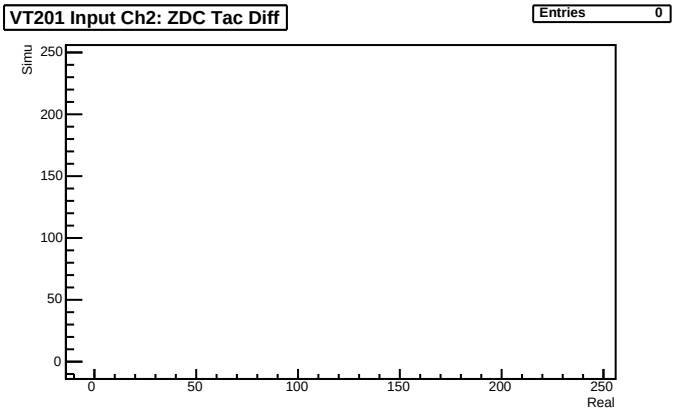

VT201 Input Ch1: EPD Tac Diff
Entries 342240
Tac

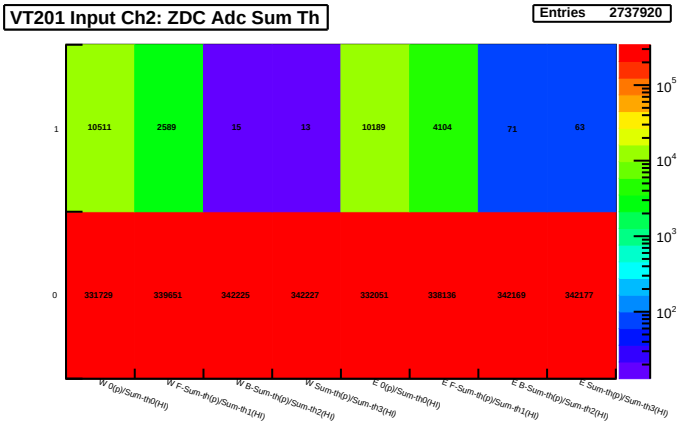

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

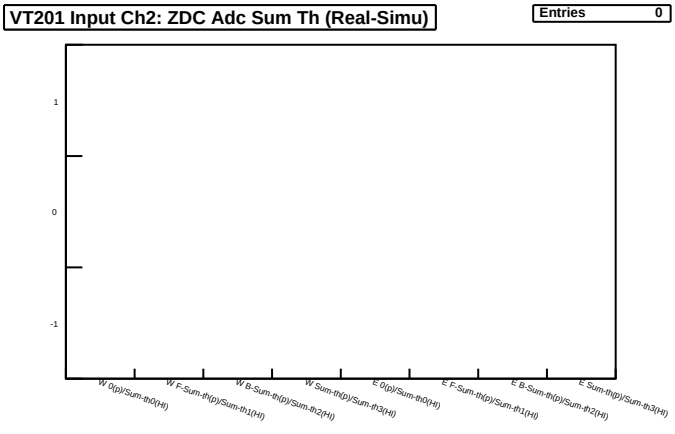

VT201 Input Ch1: EPD Hit Count Th
Entries 684480
337061
336281
5179
5959
East
West

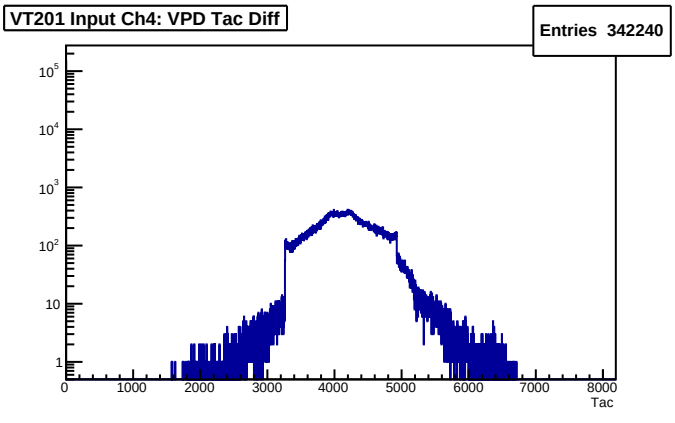

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

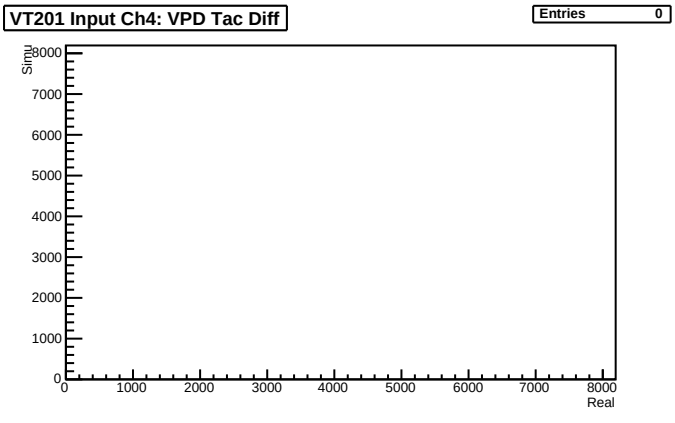

VT201 Input Ch2: ZDC Tac Diff
Entries 342240
Tac

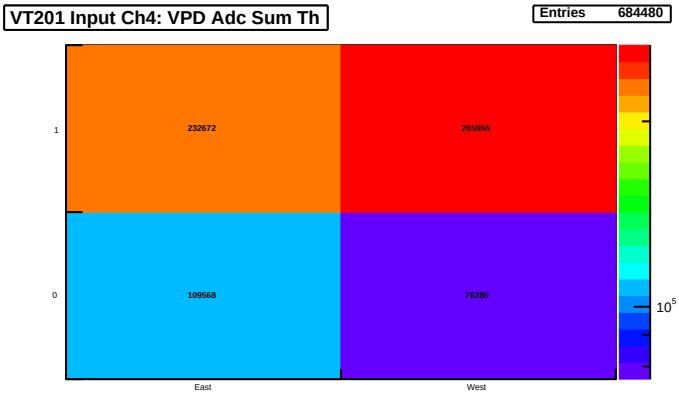

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

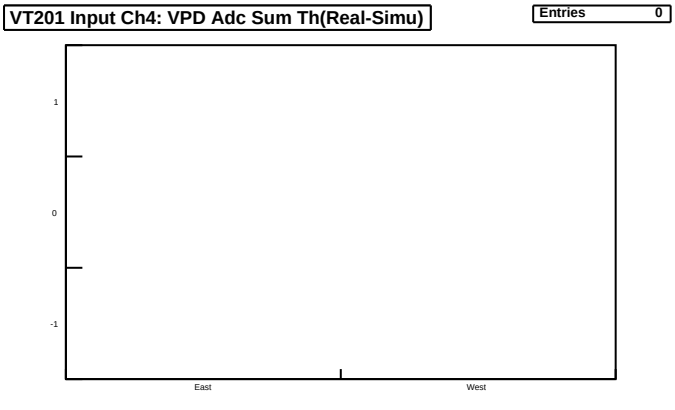

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2737920
10511
2589
15
13
10189
4104
71
63
331729
339651
342225
342227
332051
338136
342169
342177
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

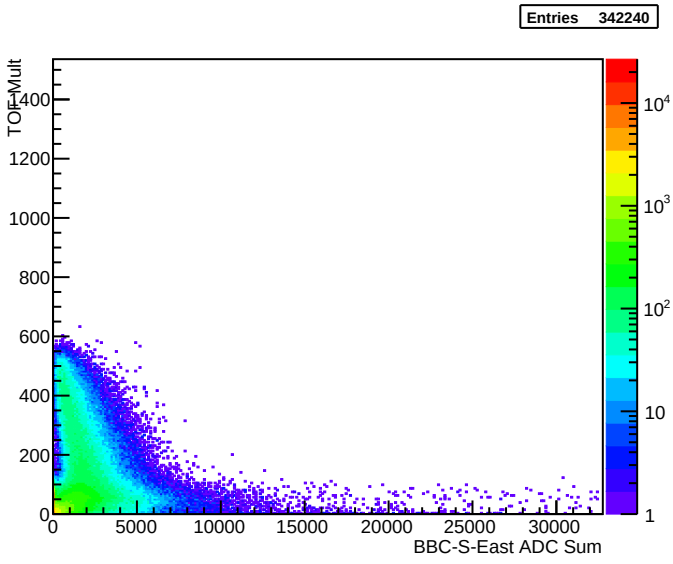

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

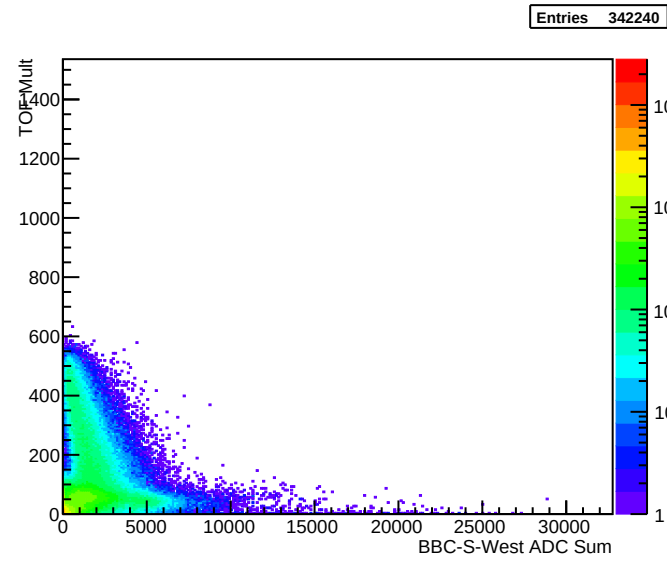

VT201 Input Ch4: VPD Tac Diff
Entries 342240
Tac

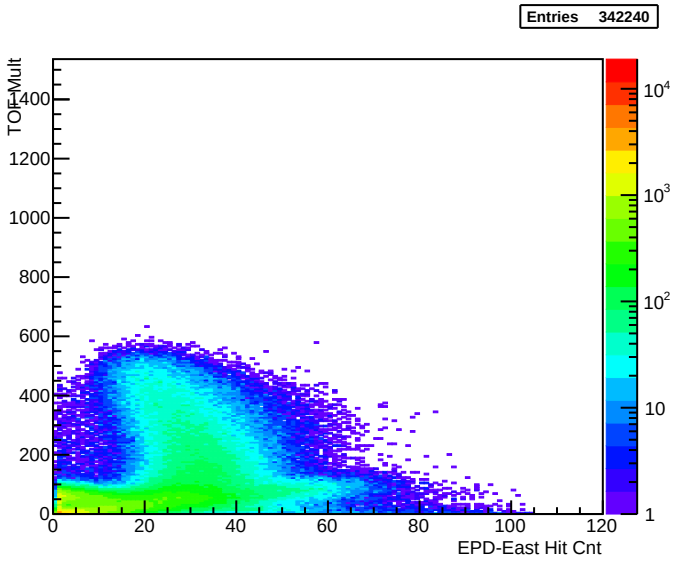

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

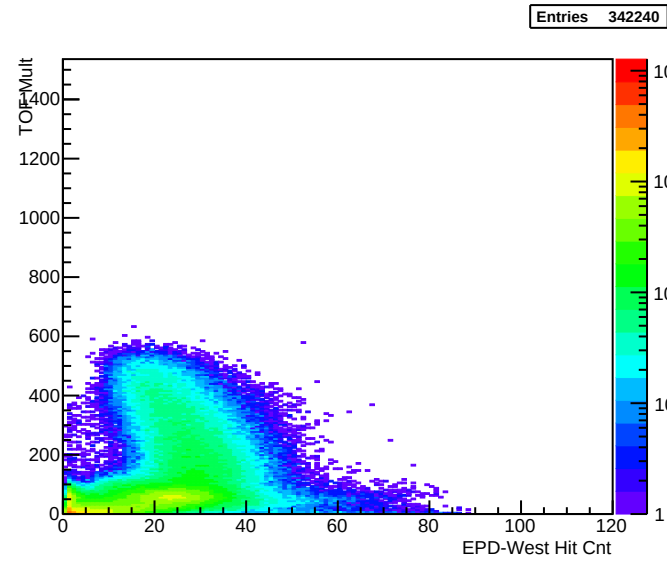

VT201 Input Ch4: VPD Adc Sum Th
Entries 684480
232672
265955
109568
76285
East
West

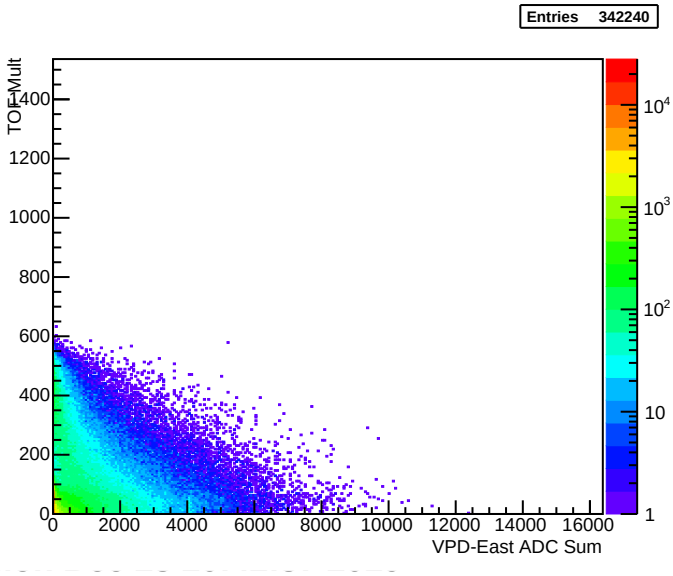

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

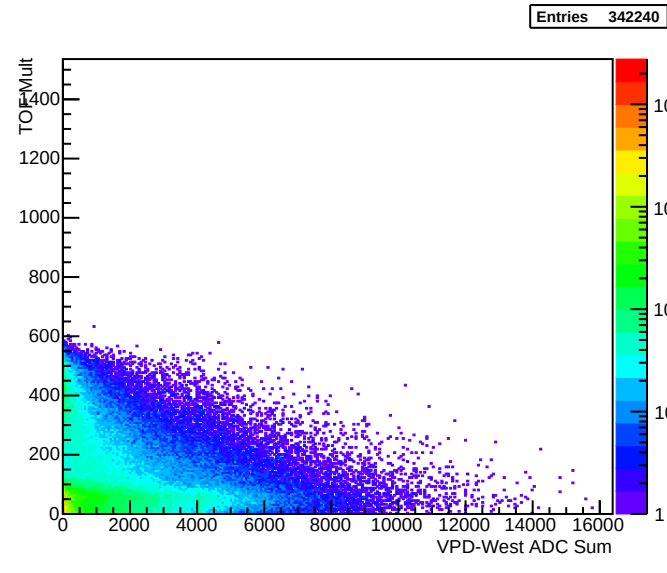

Entries 342240
TOF-Mult
BBC-S-East ADC Sum

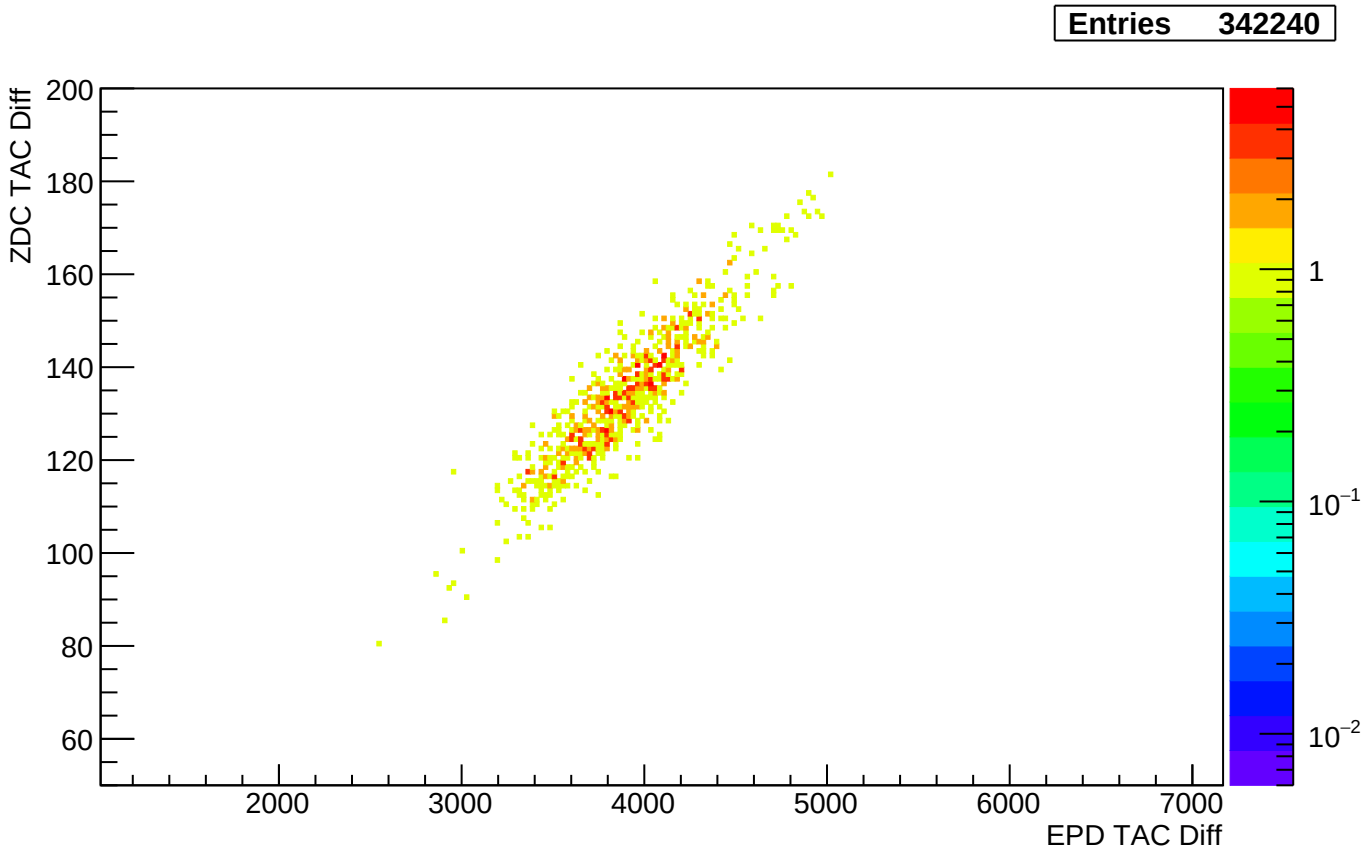

Entries 342240
TOF-Mult
BBC-S-West ADC Sum

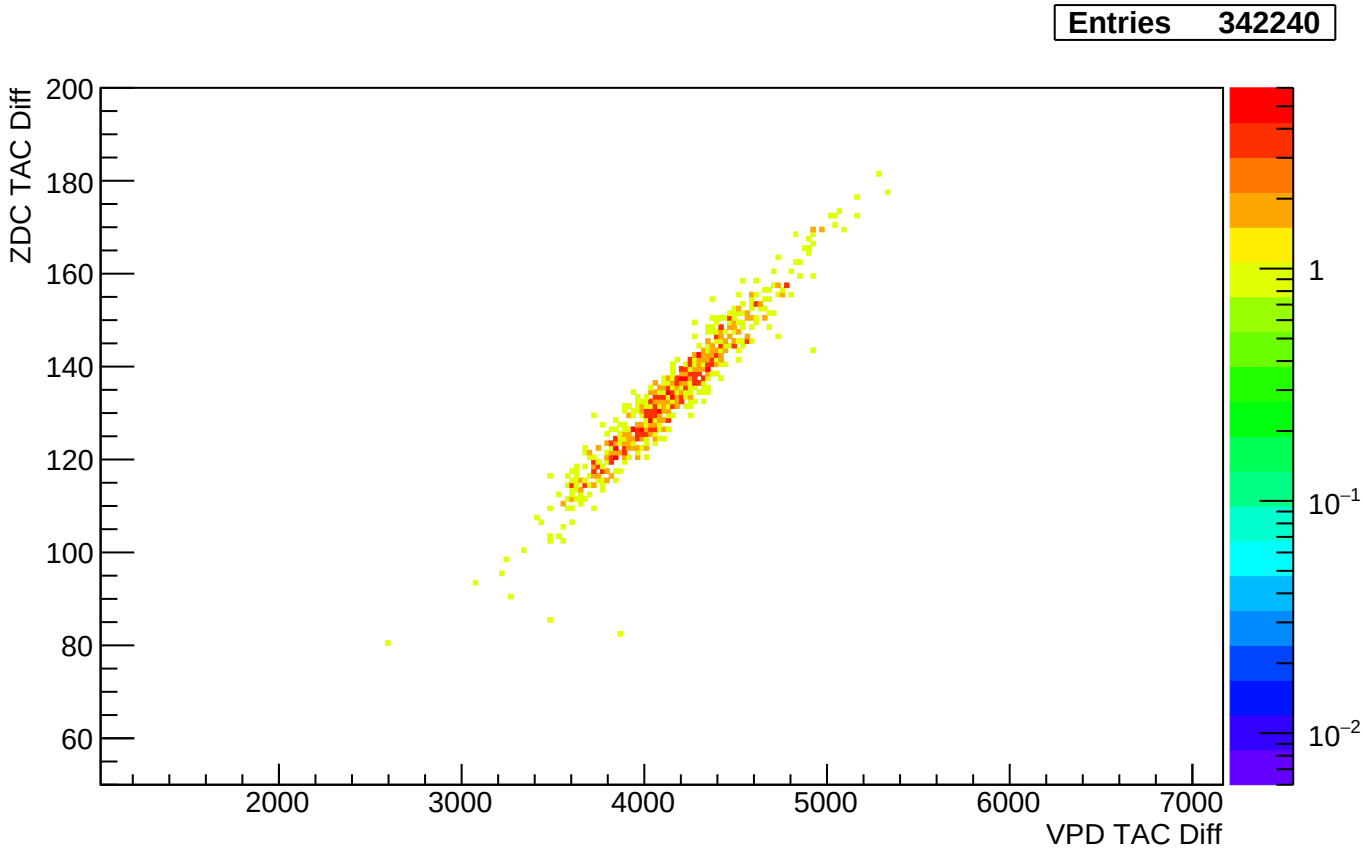

Entries 342240
TOF-Mult
EPD-East Hit Cnt

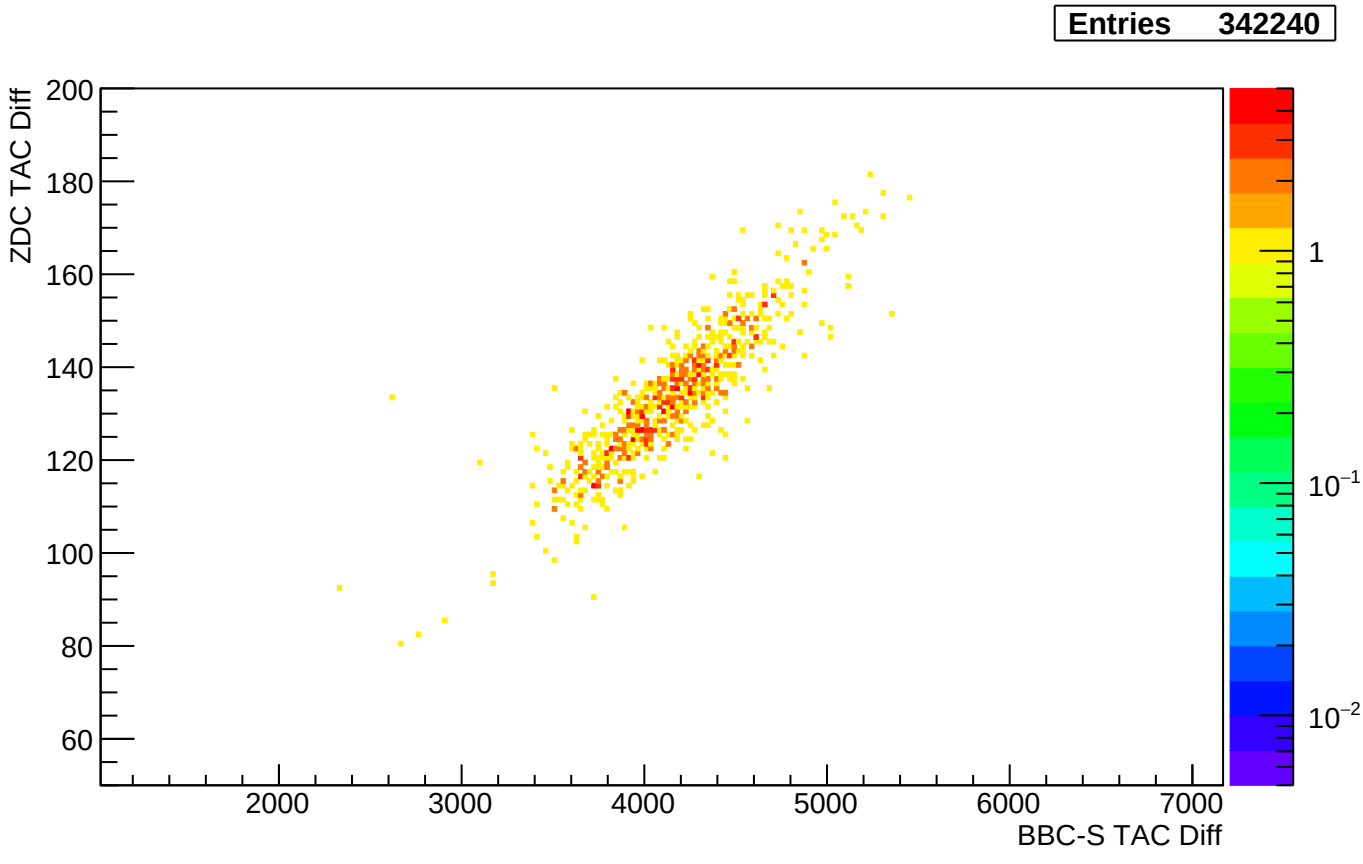

Entries 342240
TOF-Mult
EPD-West Hit Cnt

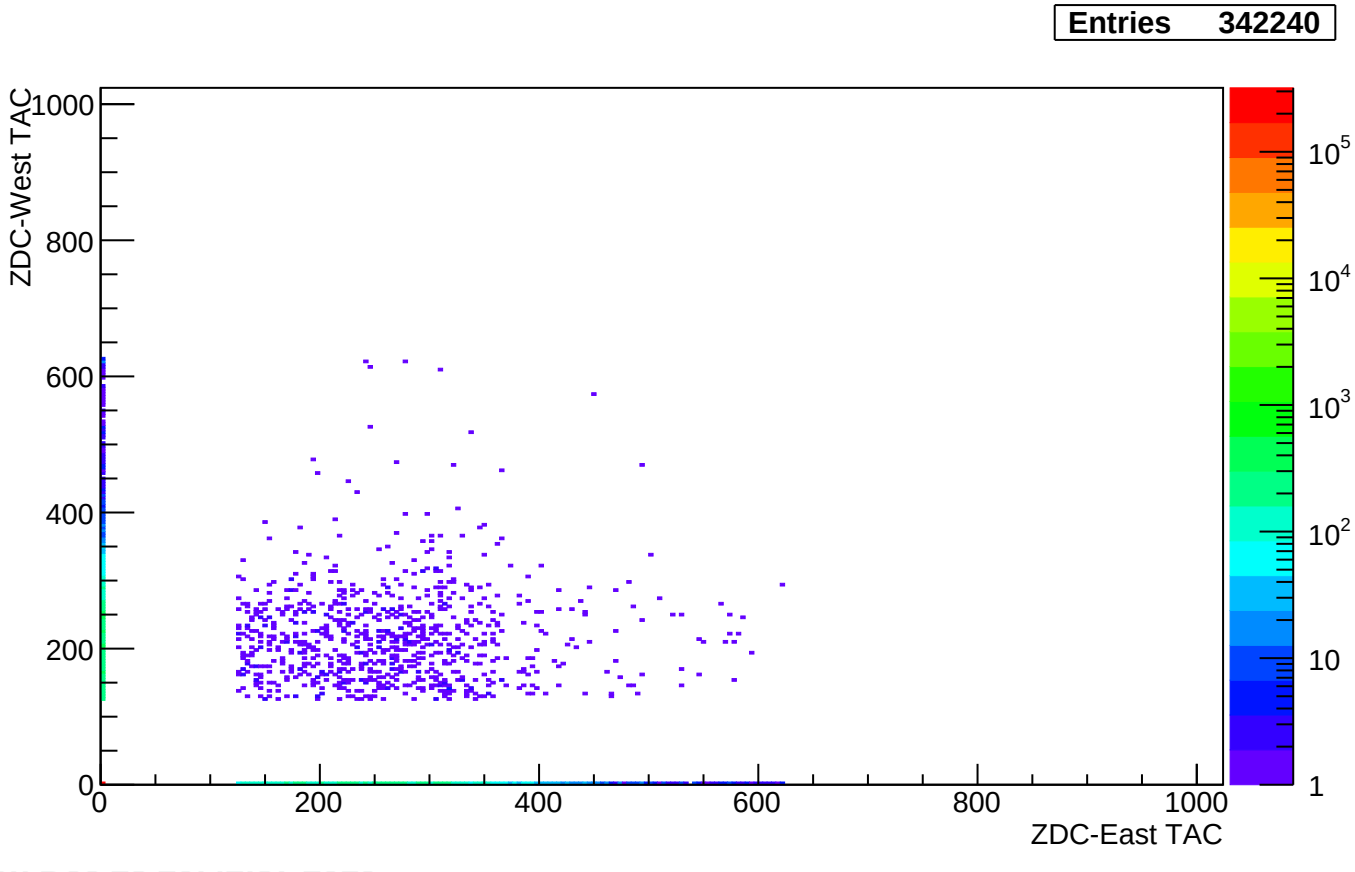

Entries 342240
TOF-Mult
VPD-East ADC Sum

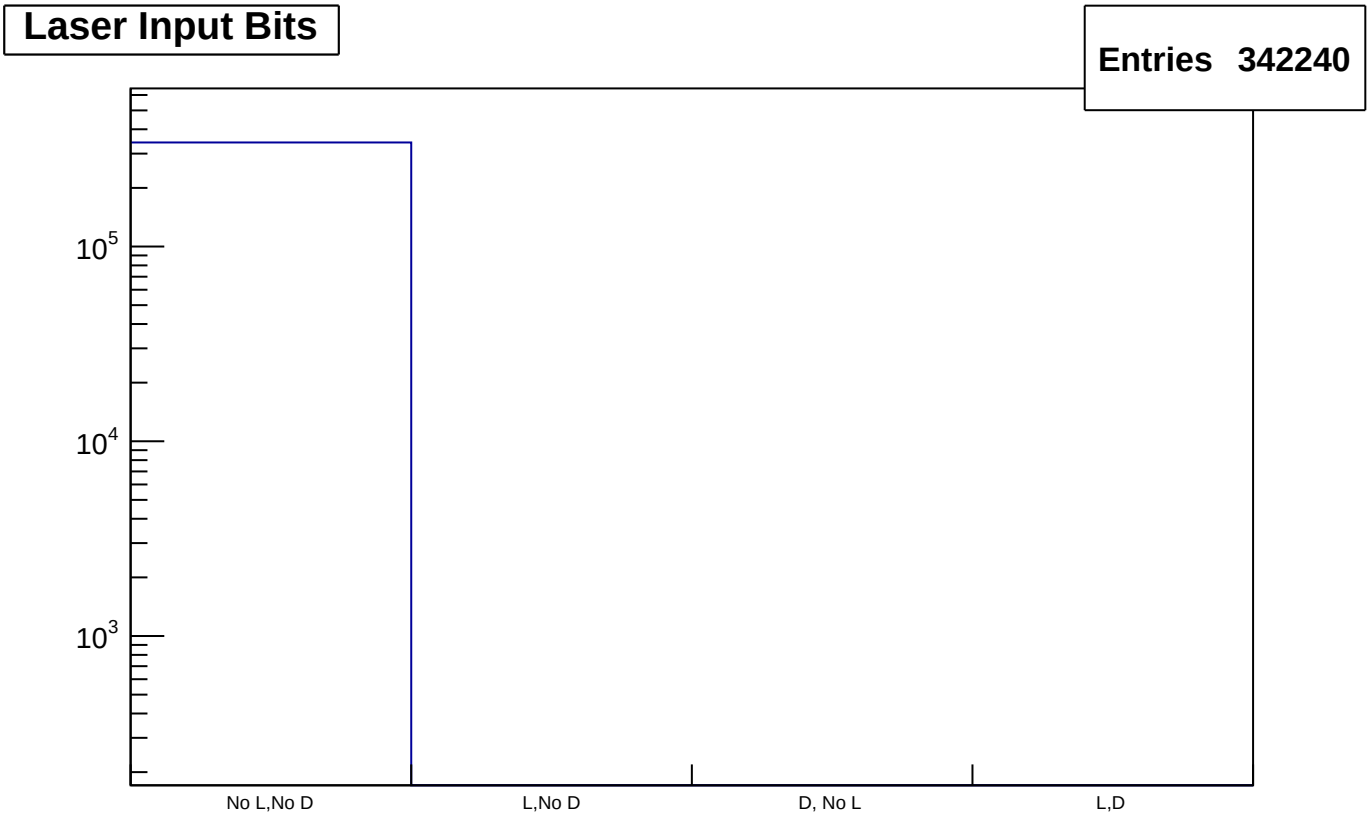

Entries 342240
TOF-Mult
VPD-West ADC Sum

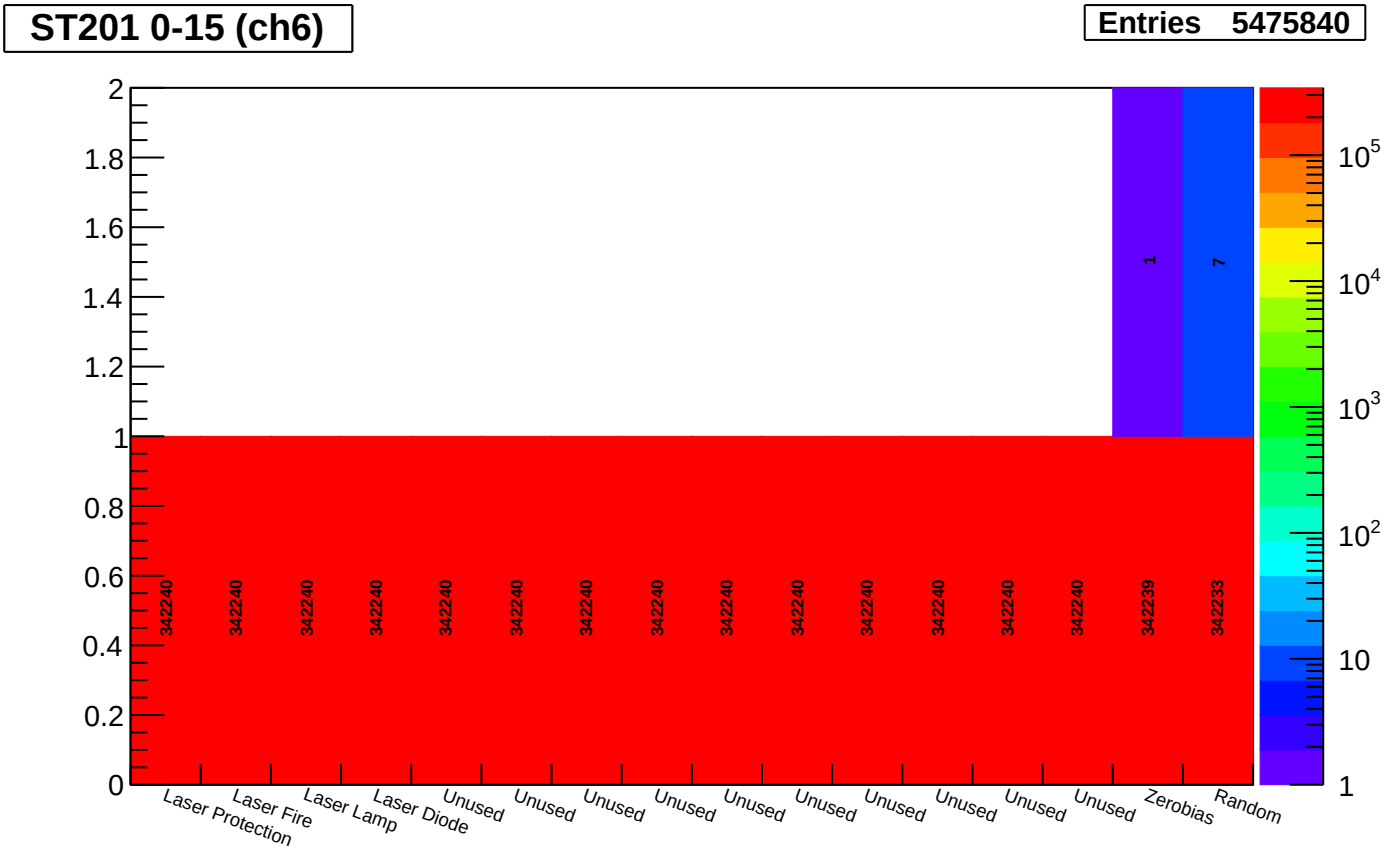

Entries 342240
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

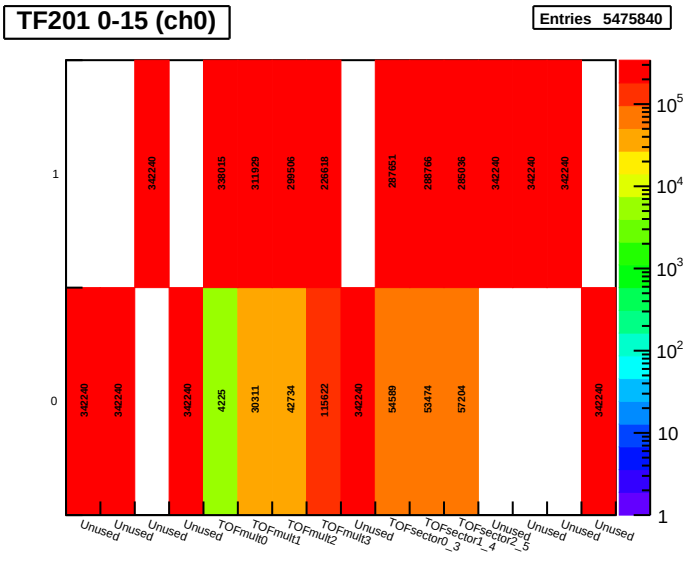

Entries 342240
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

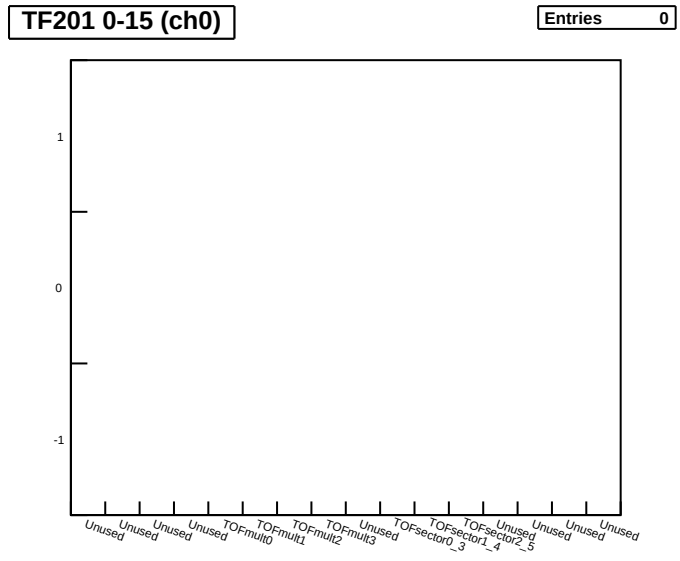

Entries 342240
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

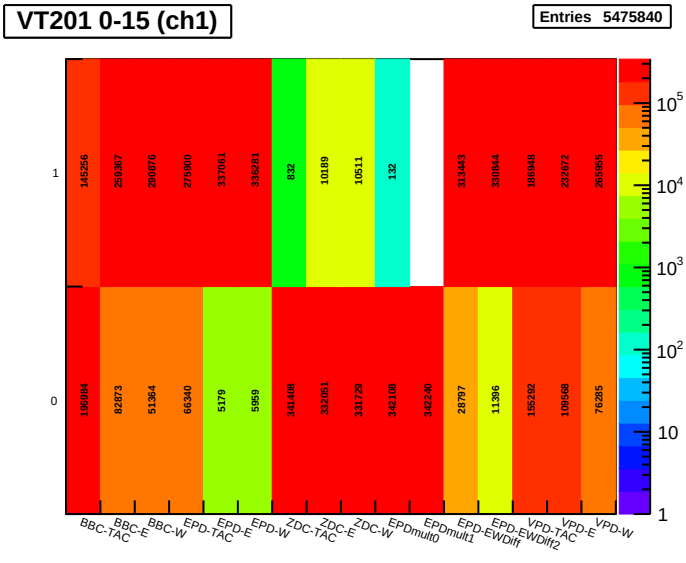

Entries 342240
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

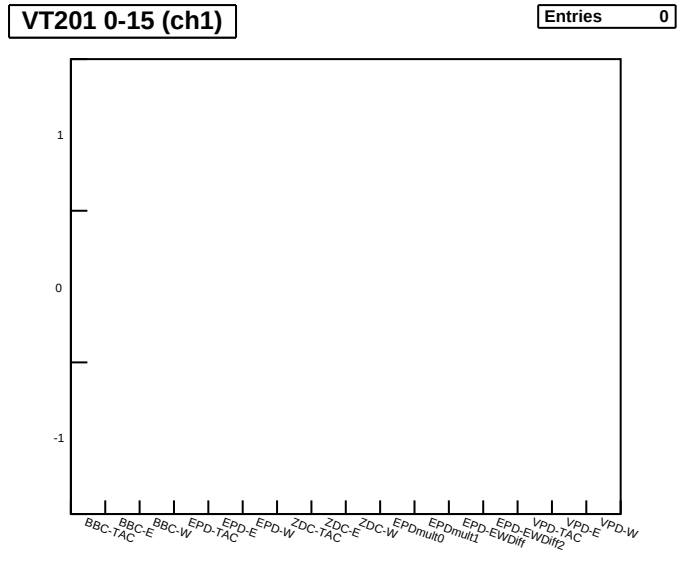

Laser Input Bits
Entries 342240
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

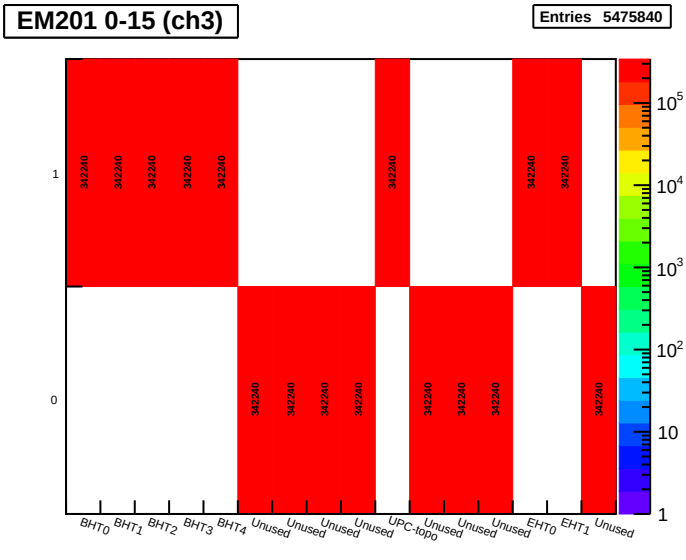

ST201 0-15 (ch6)
Entries 5475840
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342239
342233
1
7
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

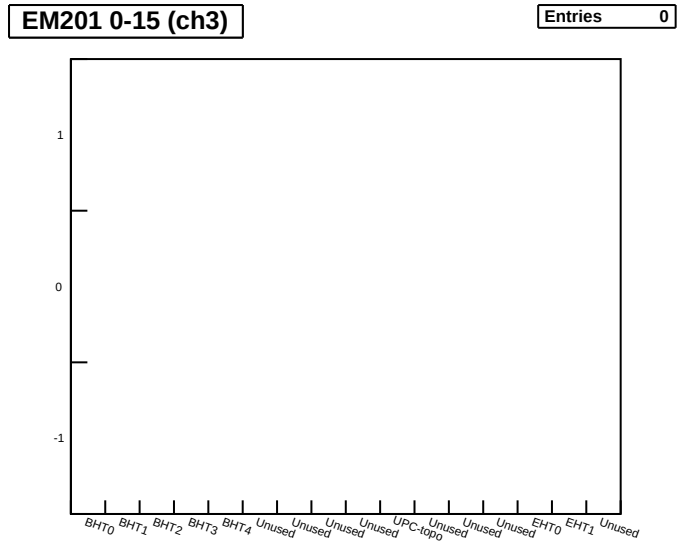

TF201 0-15 (ch0)
Entries 5475840
342240
338015
311929
289506
226618
297651
288766
285036
342240
342240
342240
342240
342240
4235
30311
42734
115622
342240
54589
53474
57204
342240
1
0
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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


VT201 0-15 (ch1)
Entries 5475840
145256
259367
290876
275900
337061
338281
832
10189
10511
132
313443
330844
186948
232672
265955
136984
82873
51364
66340
5179
5959
341408
332061
331729
342108
342240
28797
11396
155292
109568
76285
1
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
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 5475840
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
342240
1
0
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