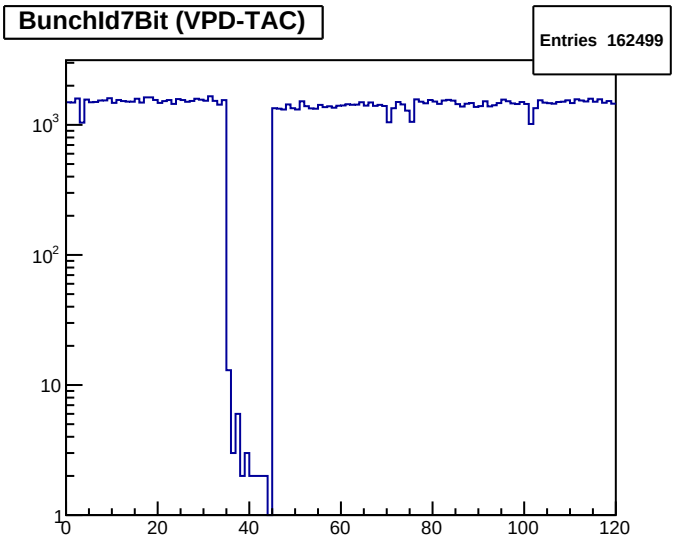
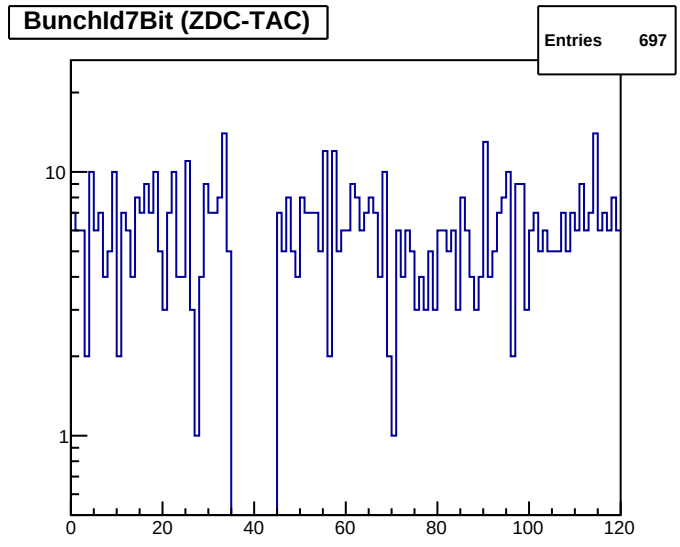
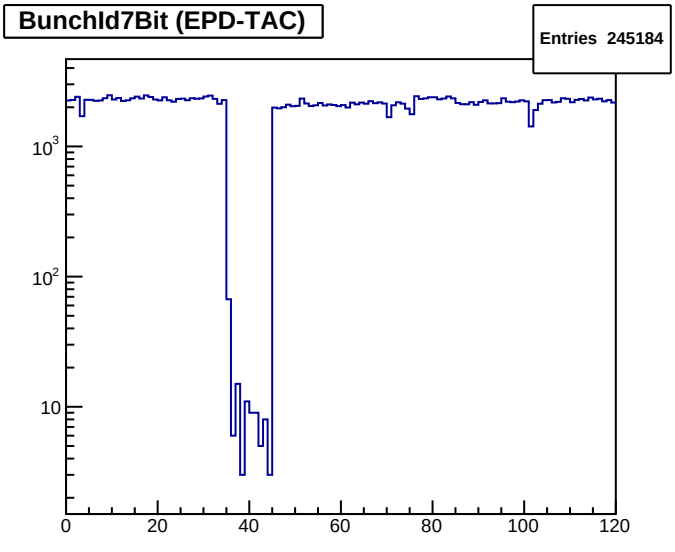
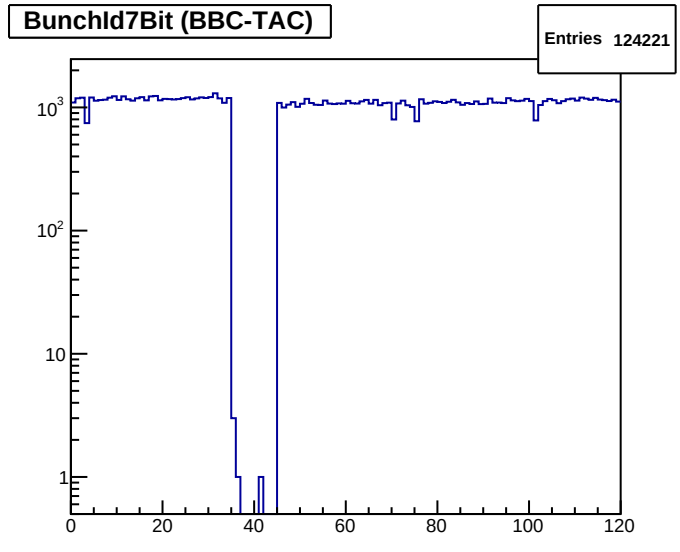
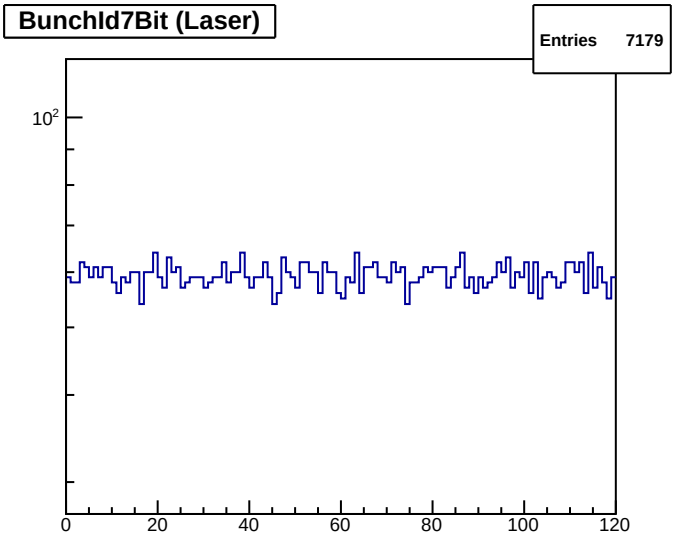
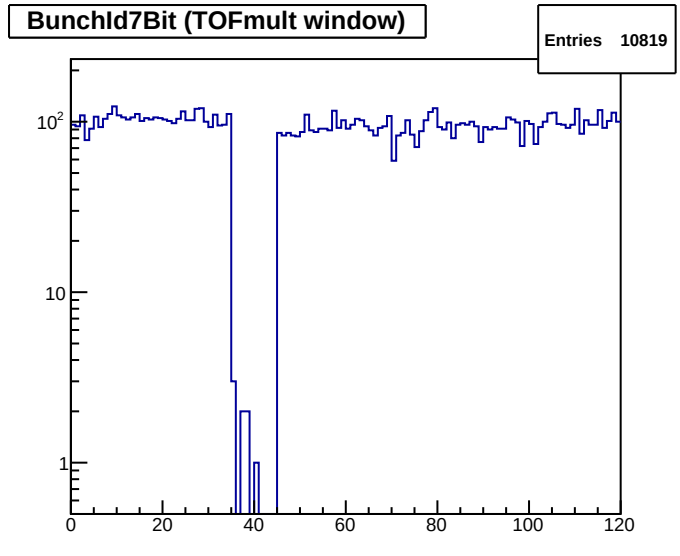

BunchId7Bit (VPD-TAC)
Entries 162499

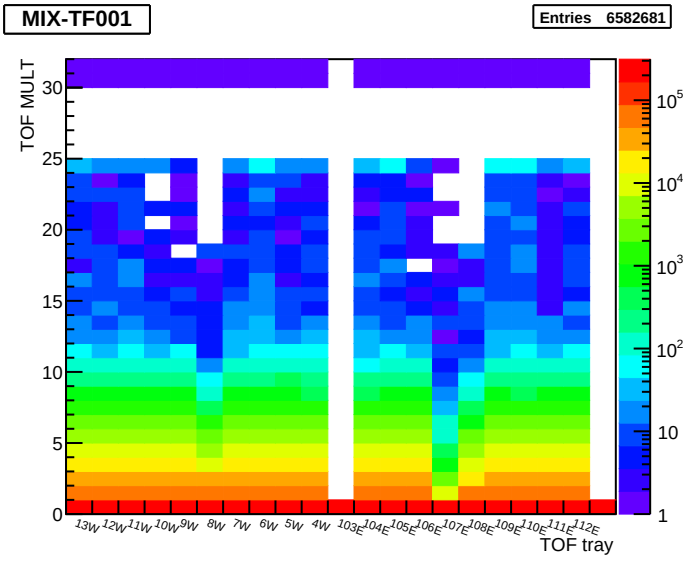

BunchId7Bit (ZDC-TAC)
Entries 697

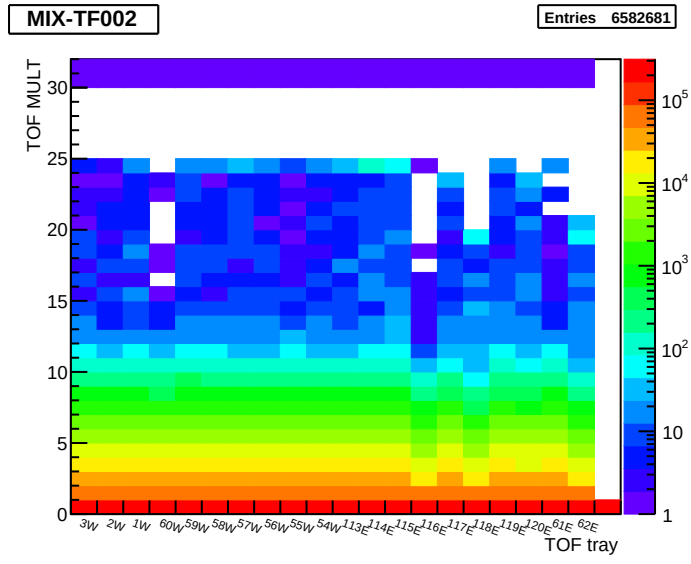

BunchId7Bit (EPD-TAC)
Entries 245184

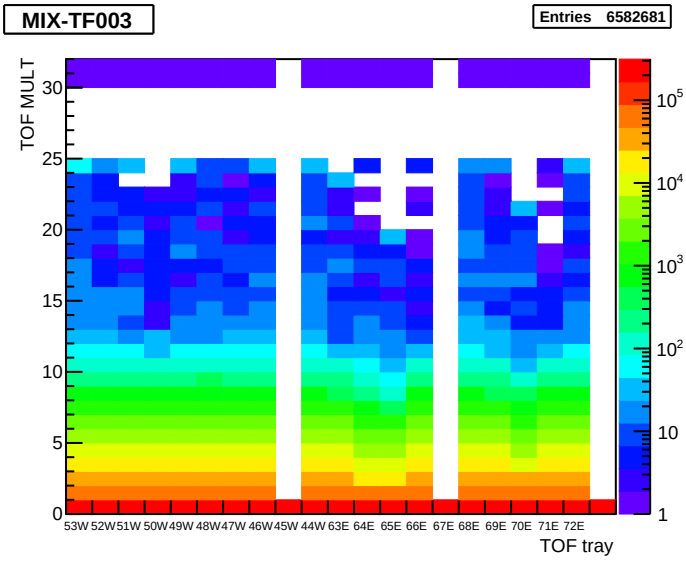

BunchId7Bit (BBC-TAC)
Entries 124221

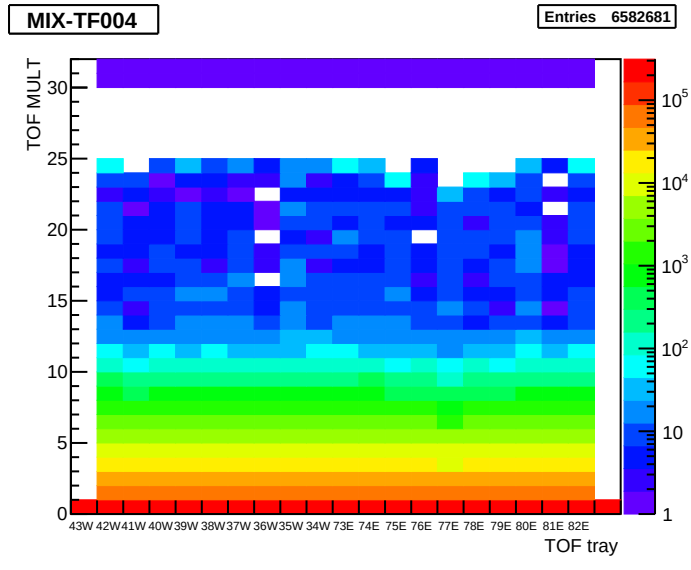

BunchId7Bit (Laser)
Entries 7179

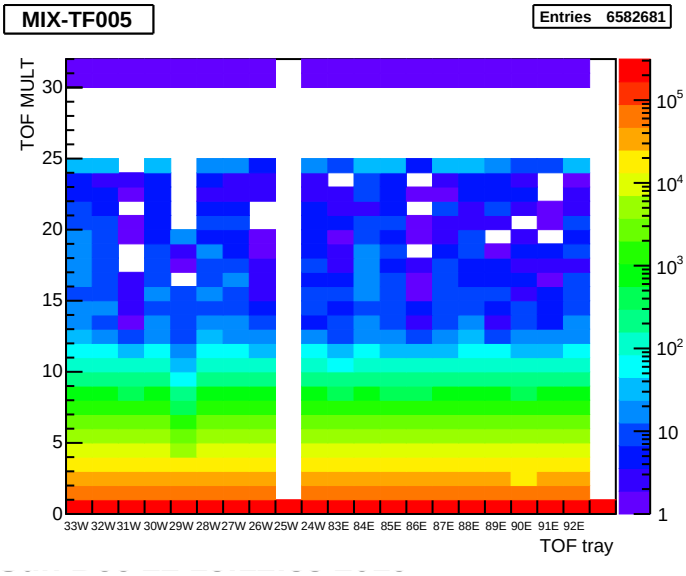

BunchId7Bit (TOFmult window)
Entries 10819

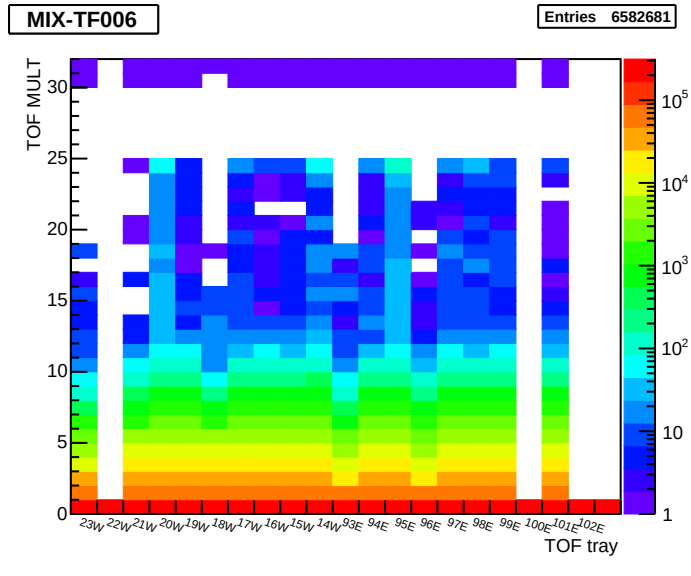

MIX-TF001
Entries 6582681
TOF MULT
TOF tray

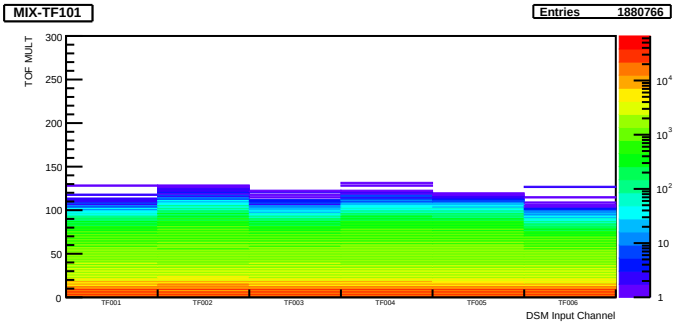

MIX-TF002
Entries 6582681
TOF MULT
TOF tray

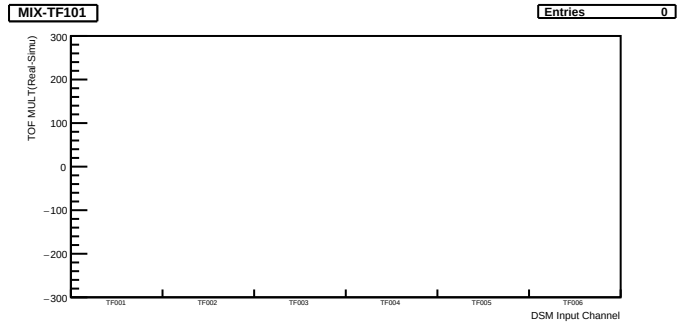

MIX-TF003
Entries 6582681
TOF MULT
TOF tray

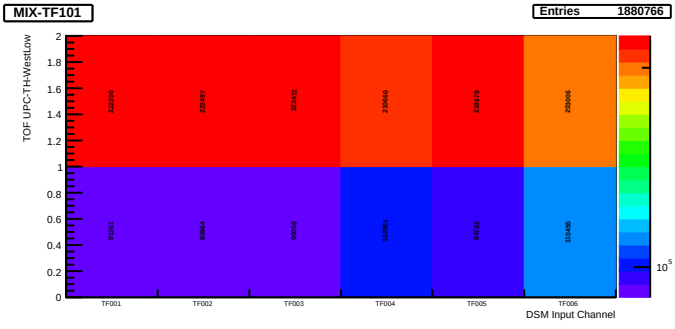

MIX-TF004
Entries 6582681
TOF MULT
TOF tray

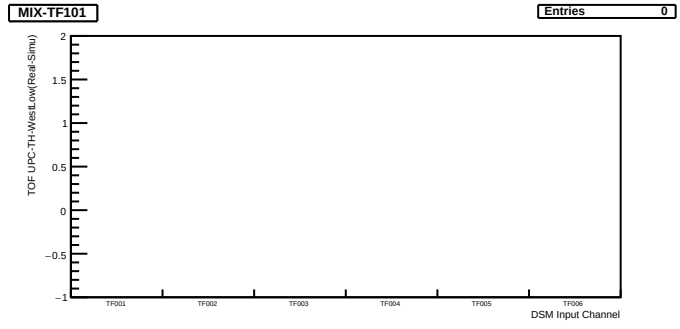

MIX-TF005
Entries 6582681
TOF MULT
TOF tray

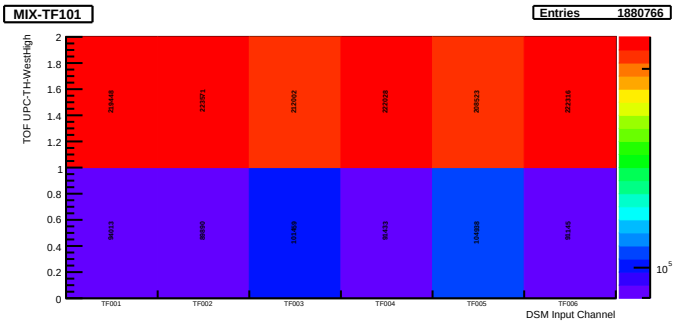

MIX-TF006
Entries 6582681
TOF MULT
TOF tray

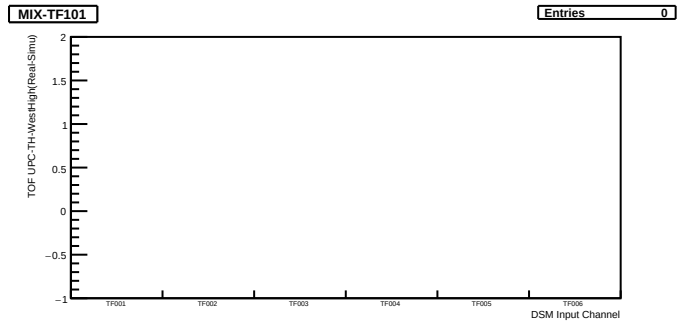

MIX-TF101
Entries 1880766
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

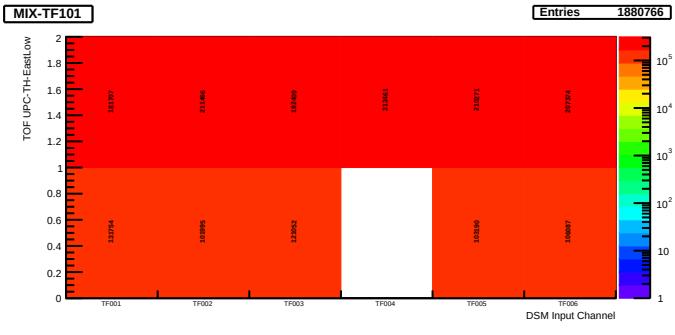

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

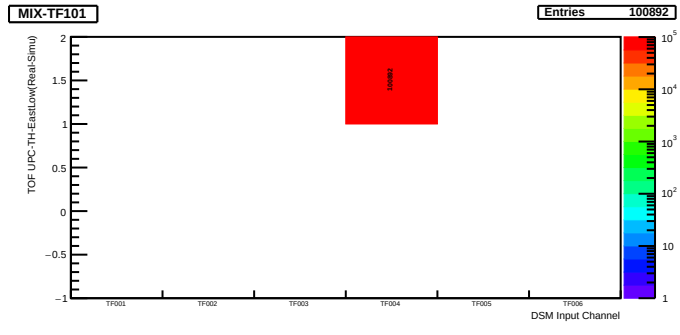

MIX-TF101
Entries 1880766
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

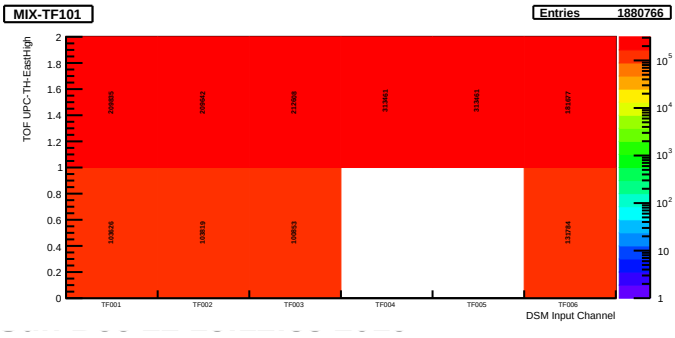

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

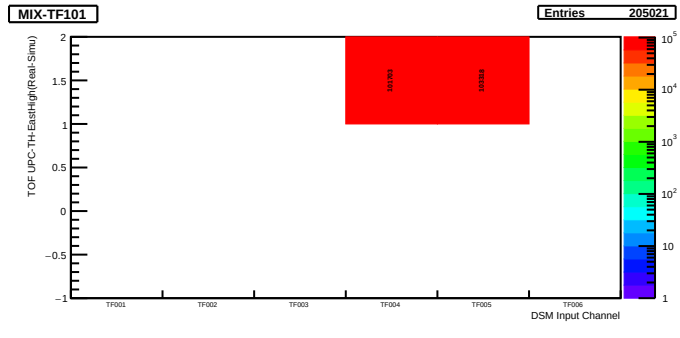

MIX-TF101
Entries 1880766
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

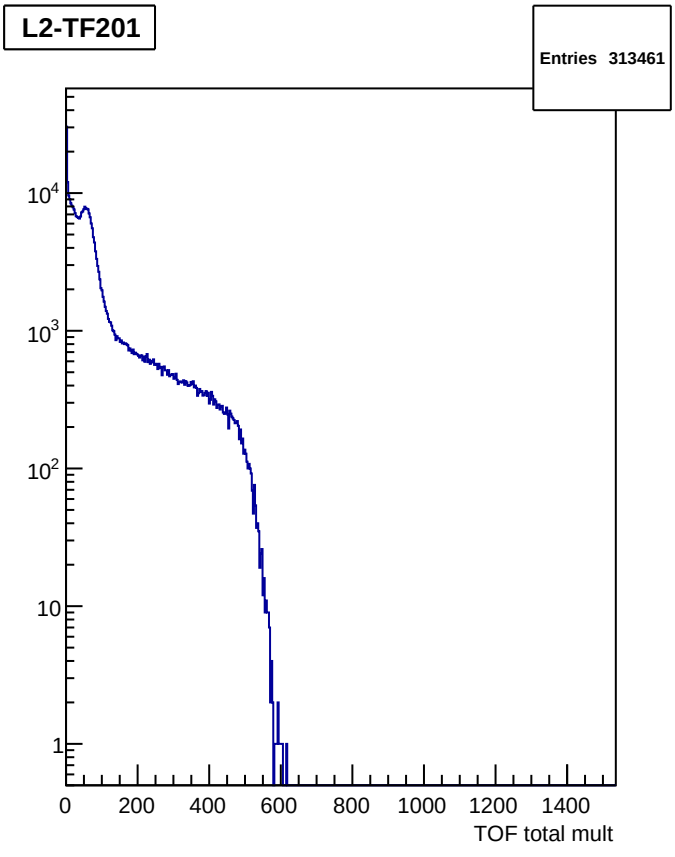

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

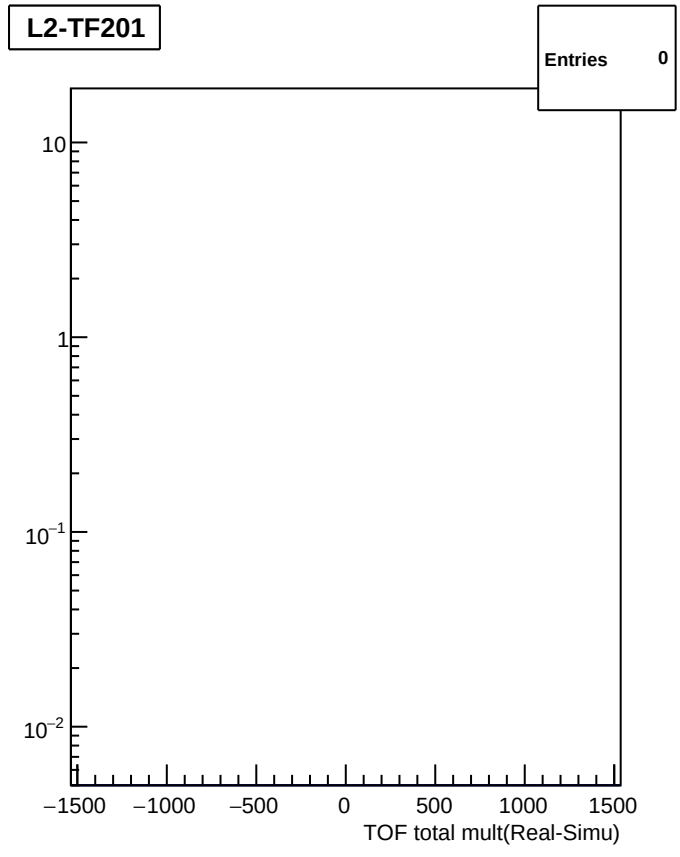

MIX-TF101
Entries 1880766
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

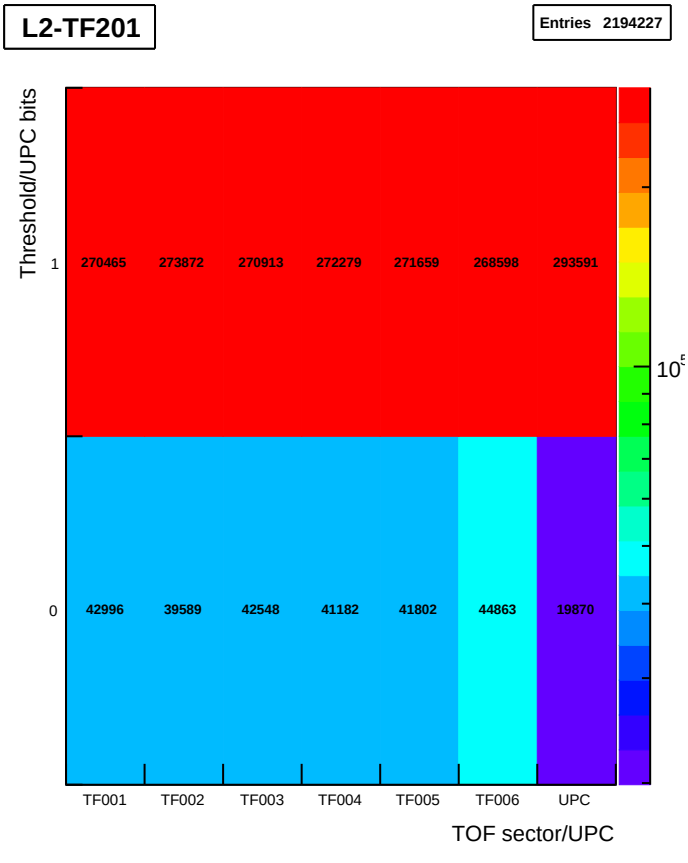

MIX-TF101
Entries 100892
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

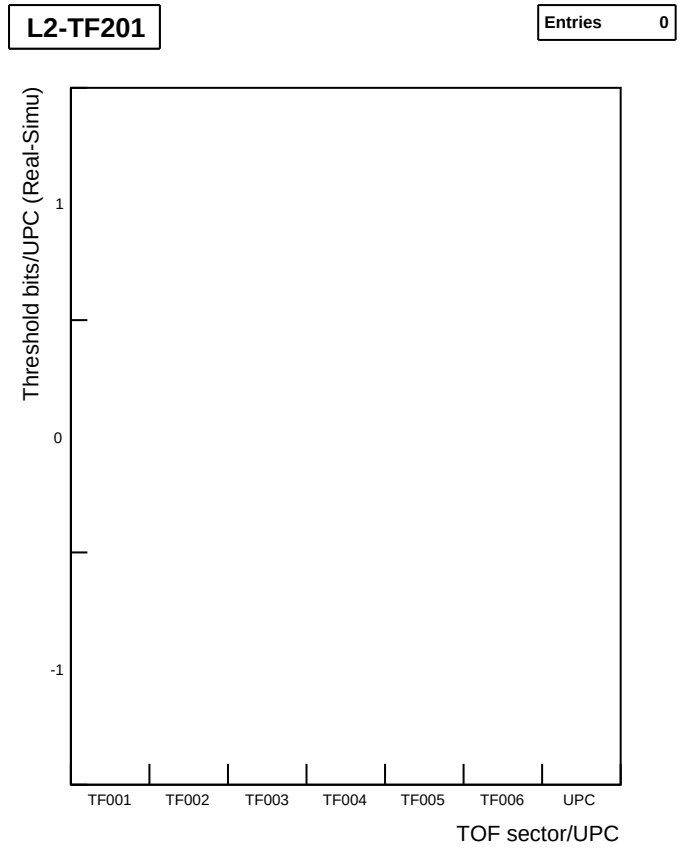

MIX-TF101
Entries 1880766
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

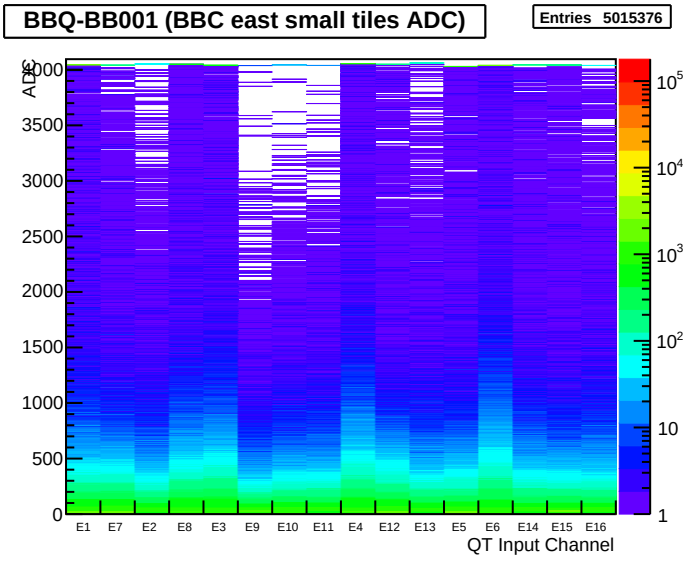

MIX-TF101
Entries 205021
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

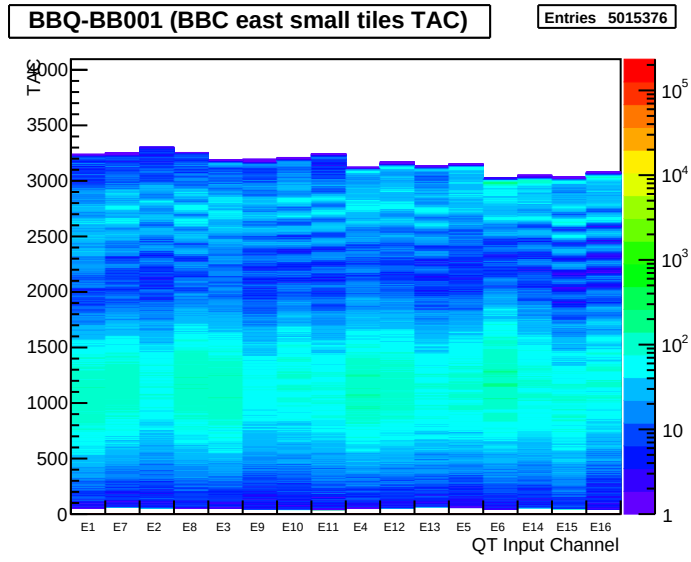

L2-TF201
Entries 313461
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

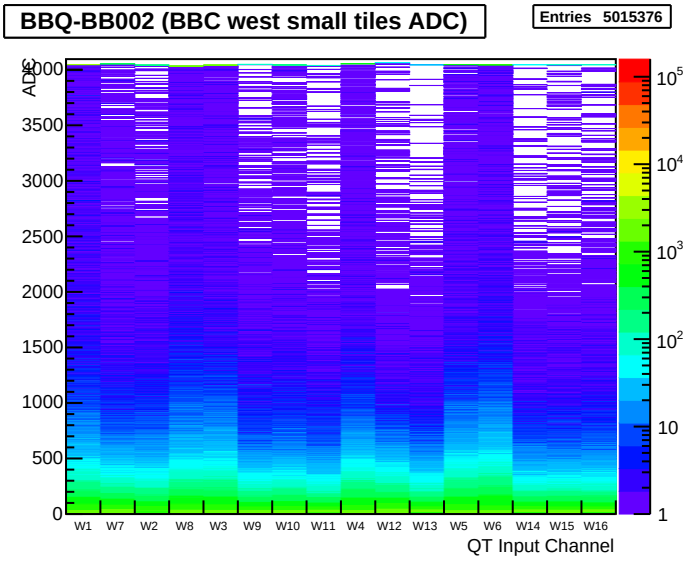

L2-TF201
Entries 0
10
1
$10^{-1}$
$10^{-2}$
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

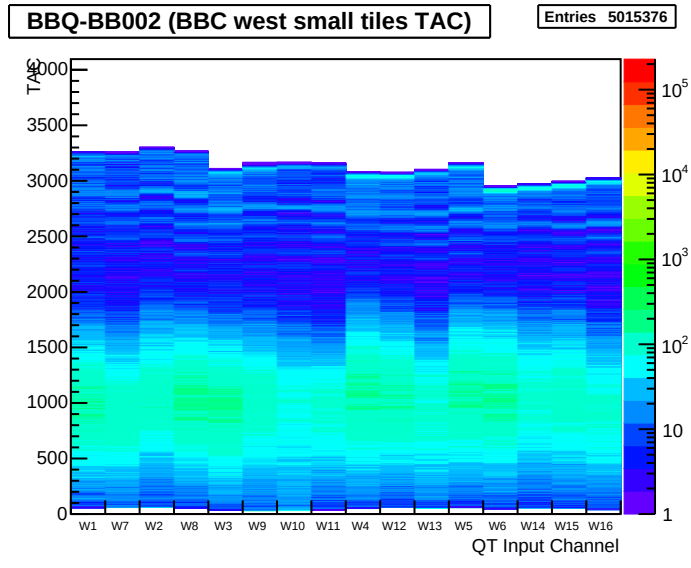

L2-TF201
Entries 2194227
Threshold/UPC bits
1
0
270465
273872
270913
272279
271659
268598
293591
42996
39589
42548
41182
41802
44863
19870
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

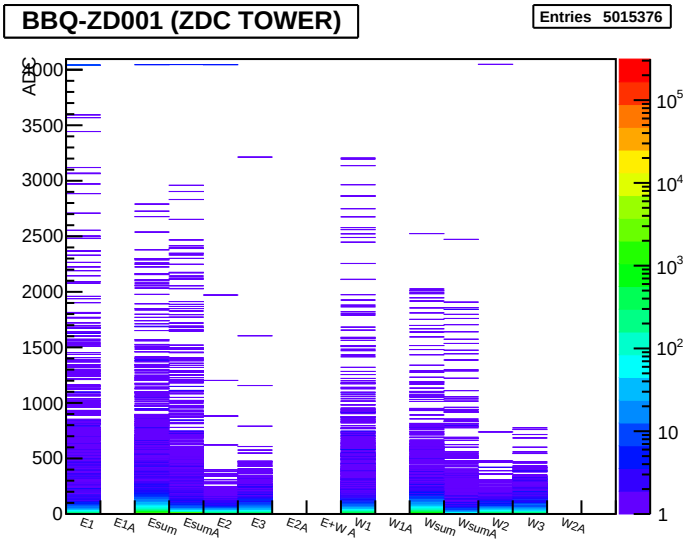

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

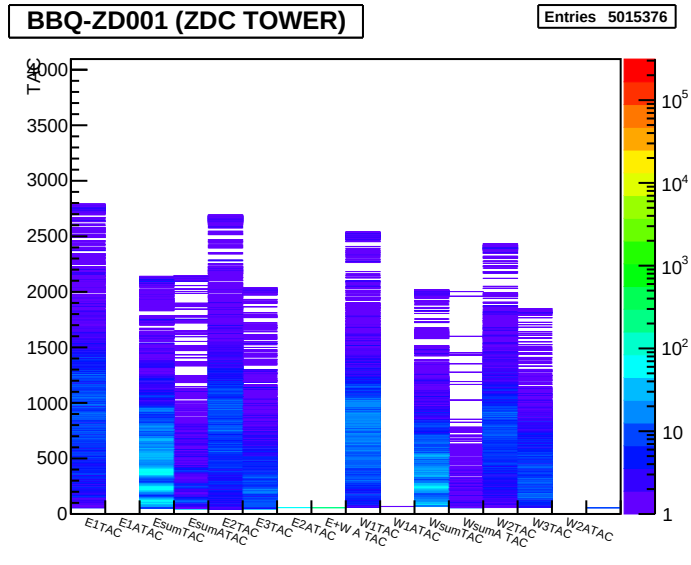

BBQ-BB001 (BBC east small tiles ADC)
Entries 5015376
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

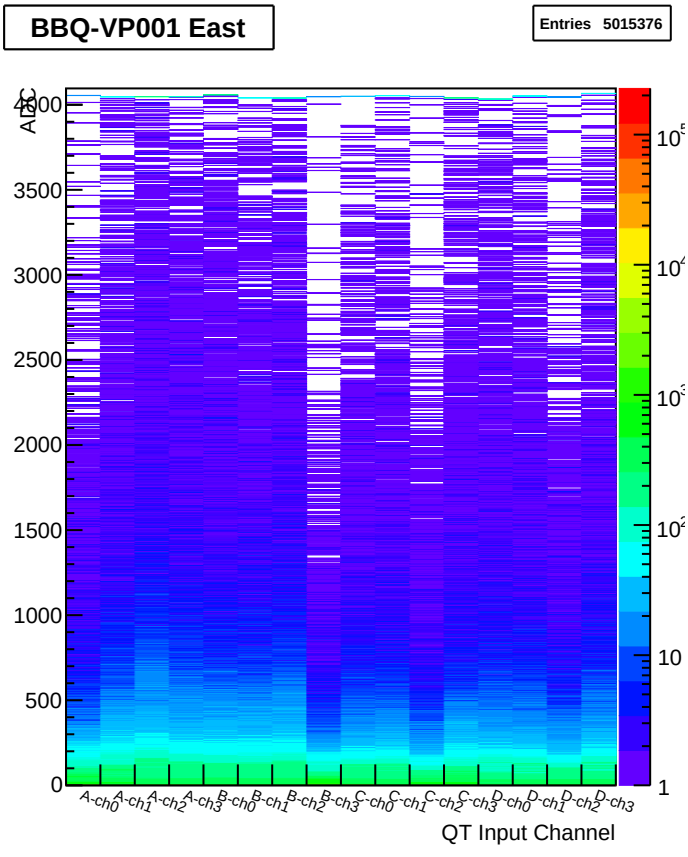

BBQ-BB001 (BBC east small tiles TAC)
Entries 5015376
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

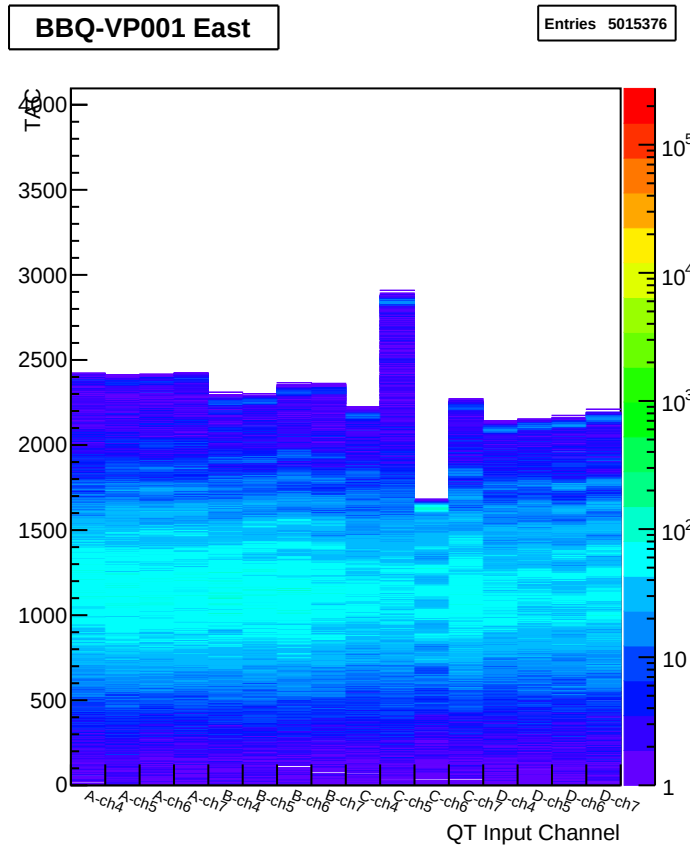

BBQ-BB002 (BBC west small tiles ADC)
Entries 5015376
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

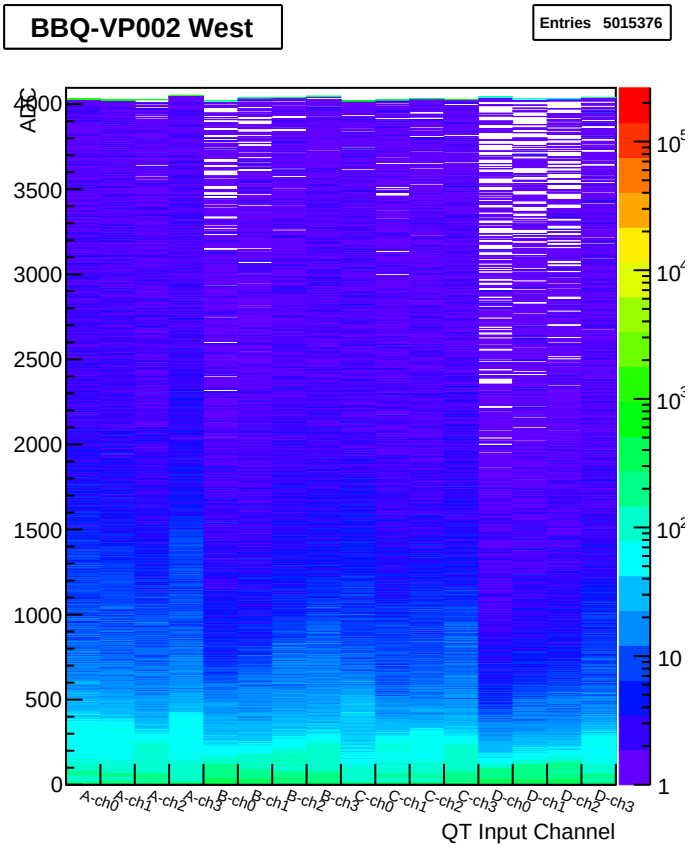

BBQ-BB002 (BBC west small tiles TAC)
Entries 5015376
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

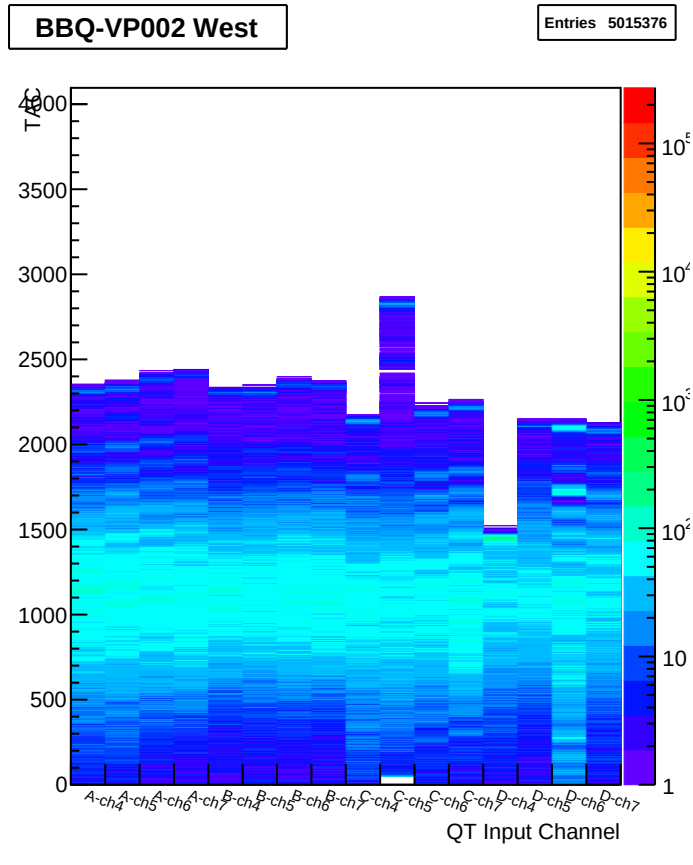

BBQ-ZD001 (ZDC TOWER)
Entries 5015376
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

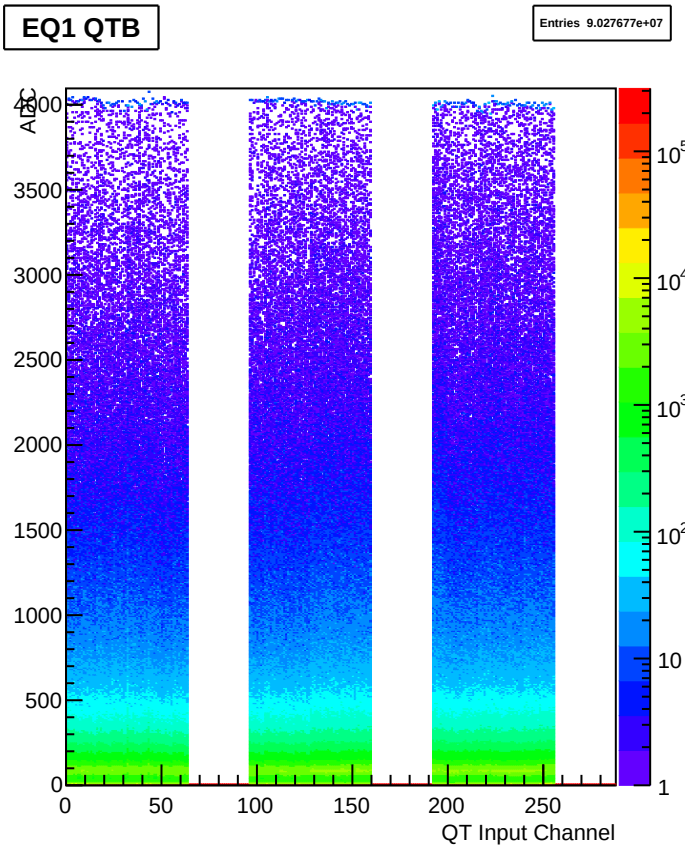

BBQ-ZD001 (ZDC TOWER)
Entries 5015376
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

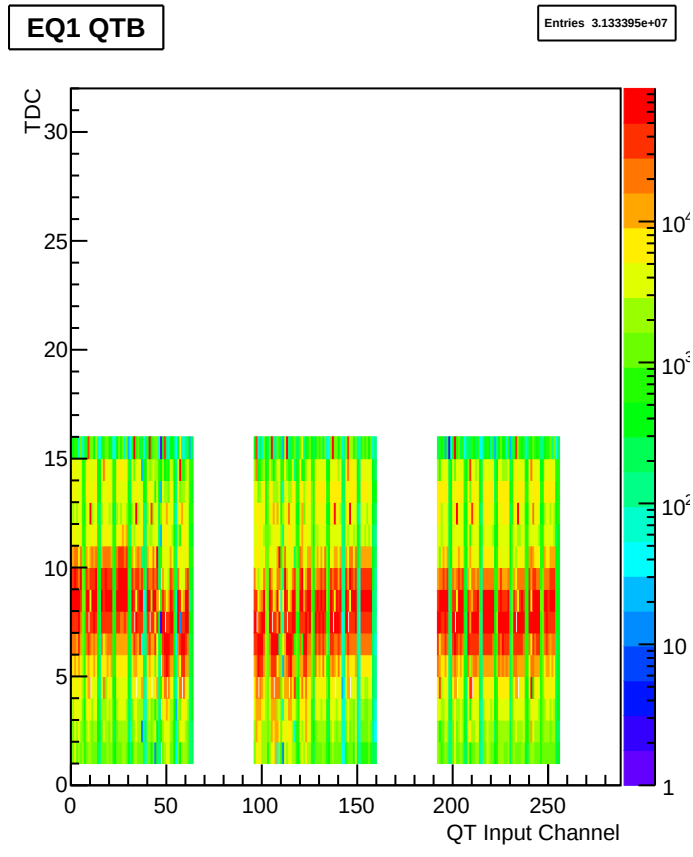

BBQ-VP001 East
Entries 5015376
ADC
QT Input Channel

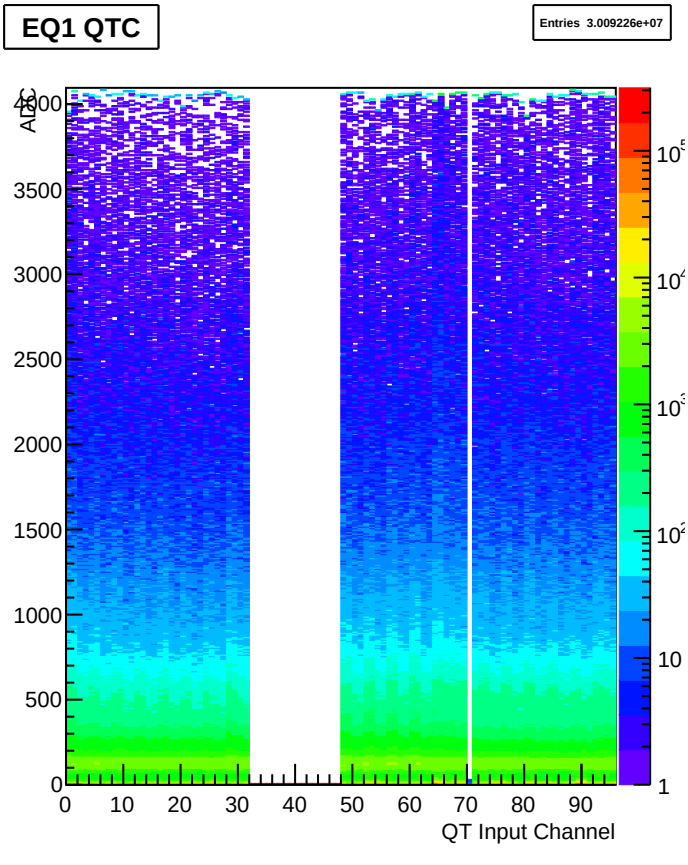

BBQ-VP001 East
Entries 5015376
TADC
QT Input Channel

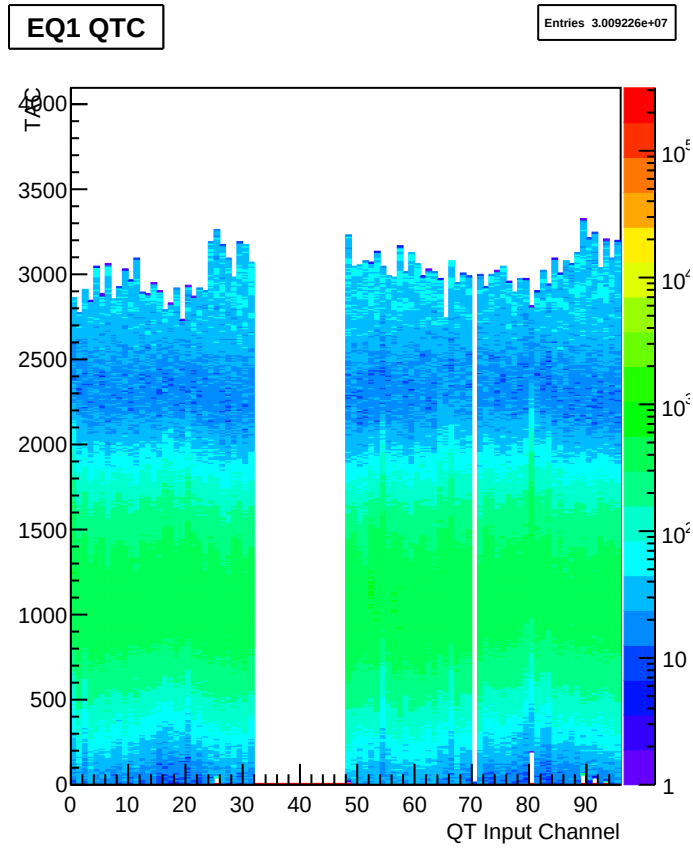

BBQ-VP002 West
Entries 5015376
ADC
QT Input Channel

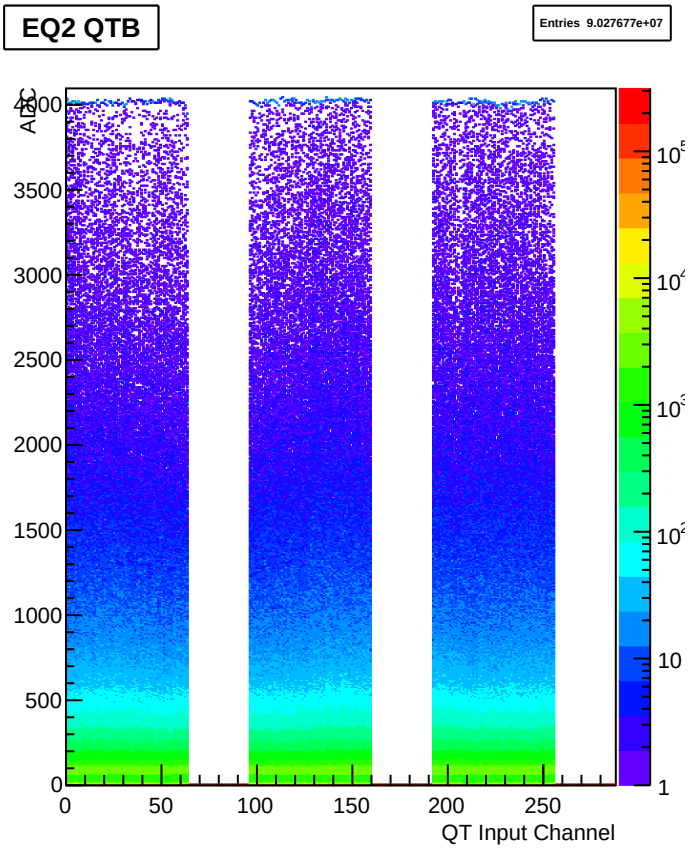

BBQ-VP002 West
Entries 5015376
TADC
QT Input Channel

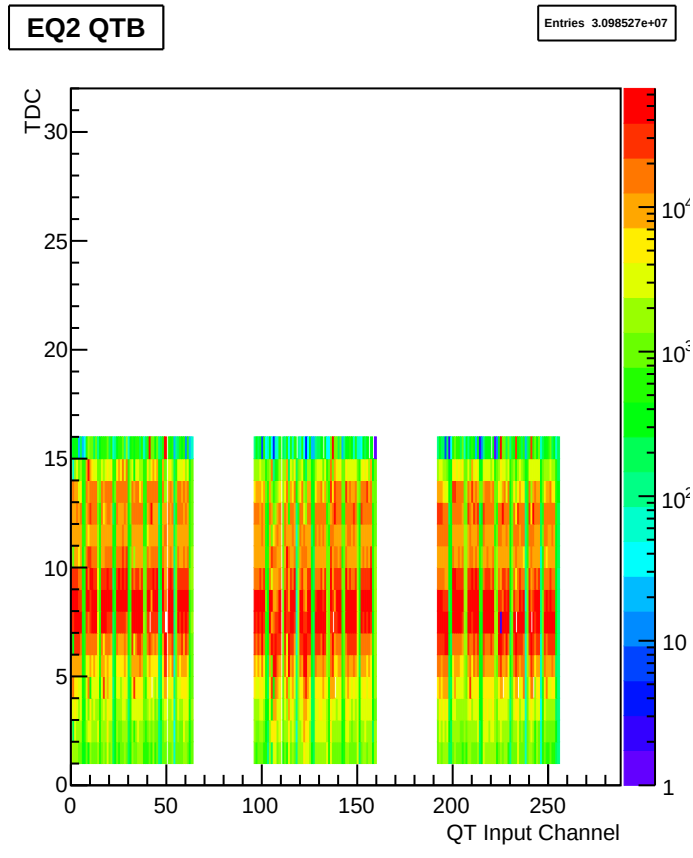

EQ1 QTB
Entries 9.027677e+07
ADC
QT Input Channel

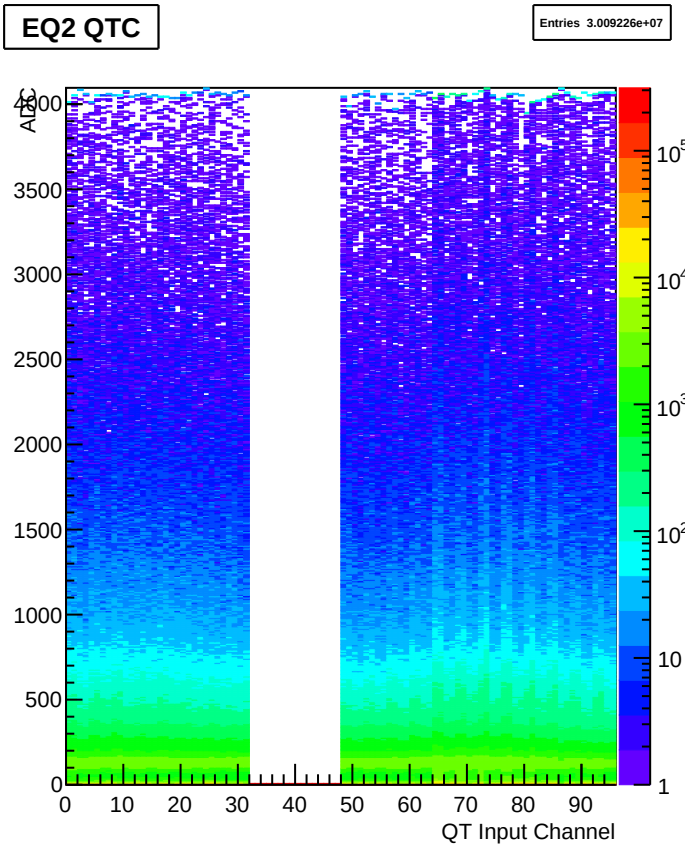

EQ1 QTB
Entries 3.133395e+07
TDC
QT Input Channel

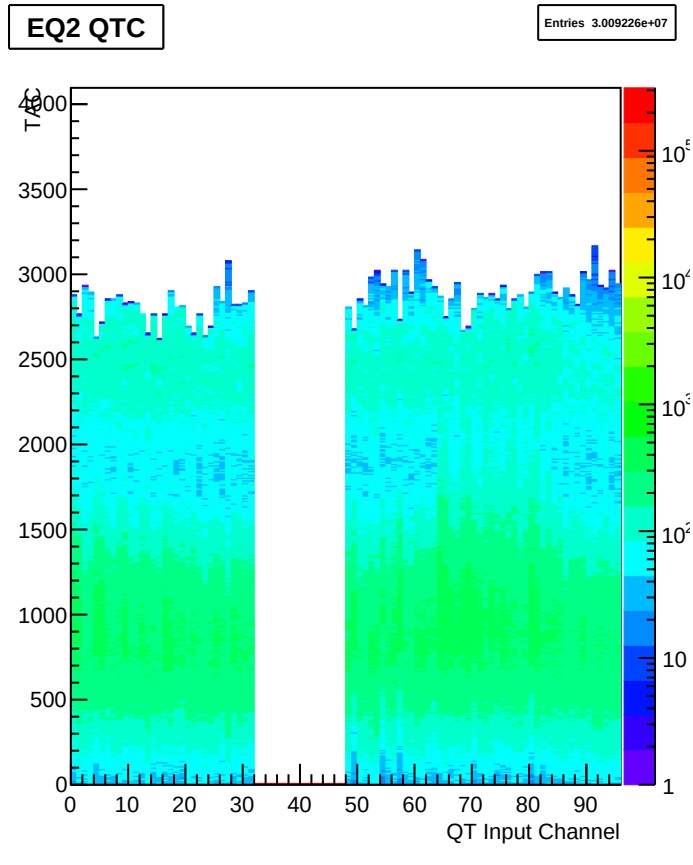

EQ1 QTC
Entries 3.009226e+07
ADC
QT Input Channel

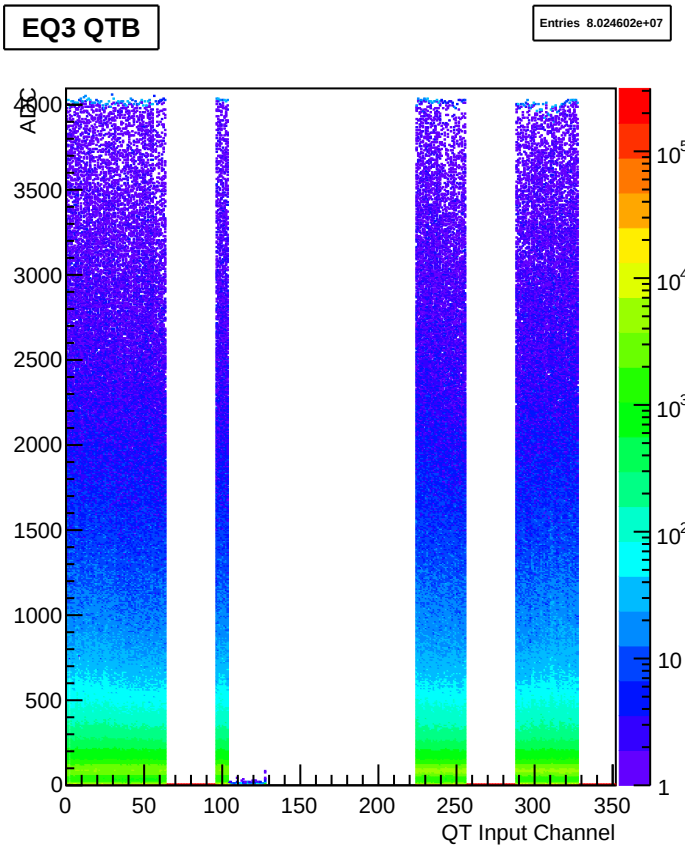

EQ1 QTC
Entries 3.009226e+07
TADC
QT Input Channel

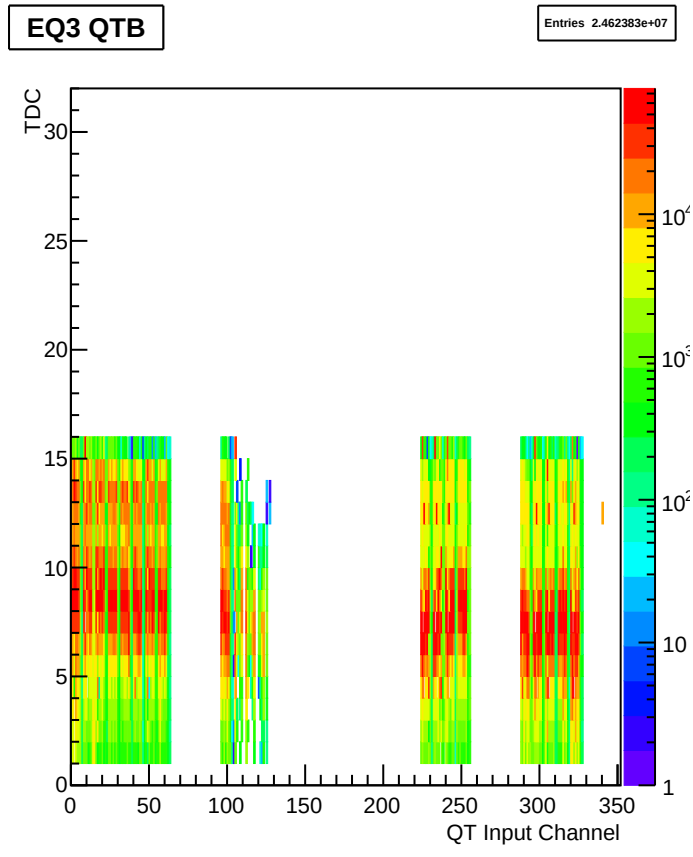

EQ2 QTB
Entries 9.027677e+07
ADC
QT Input Channel

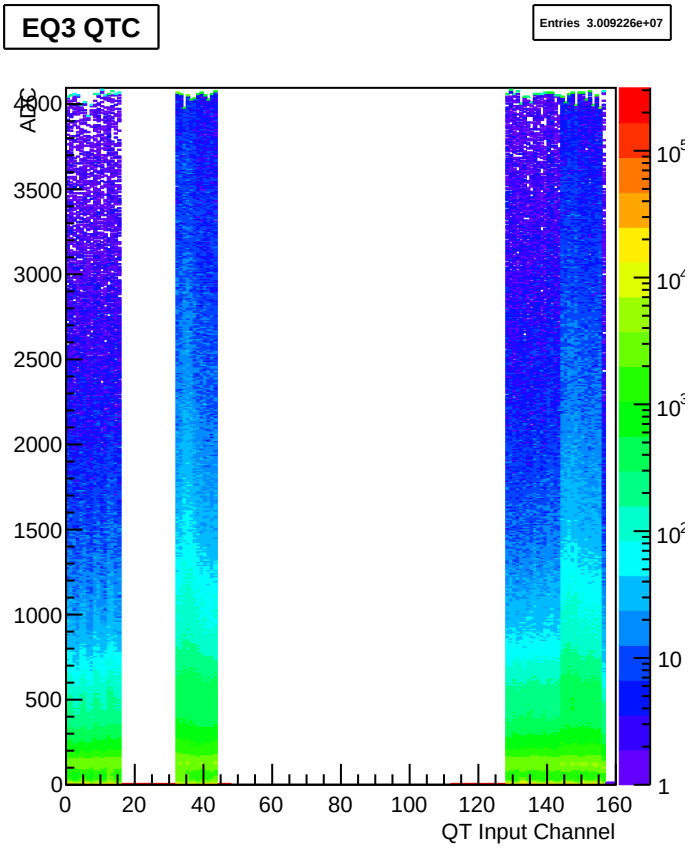

EQ2 QTB
Entries 3.098527e+07
TDC
QT Input Channel

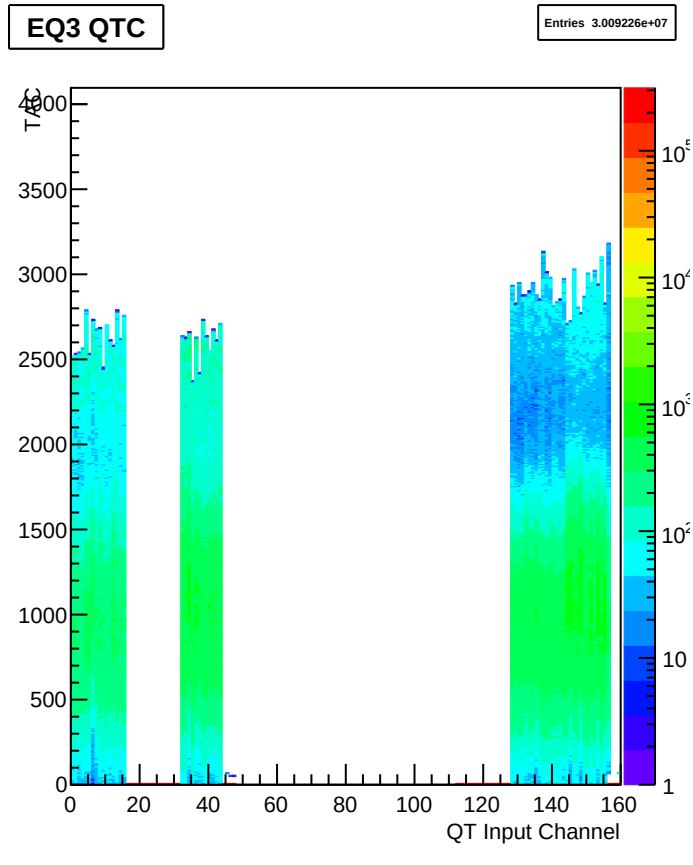

EQ2 QTC
Entries 3.009226e+07
ADC
QT Input Channel

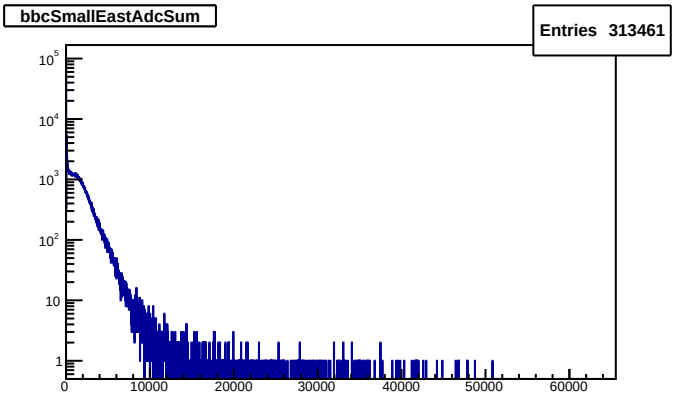

EQ2 QTC
Entries 3.009226e+07
TADC
QT Input Channel

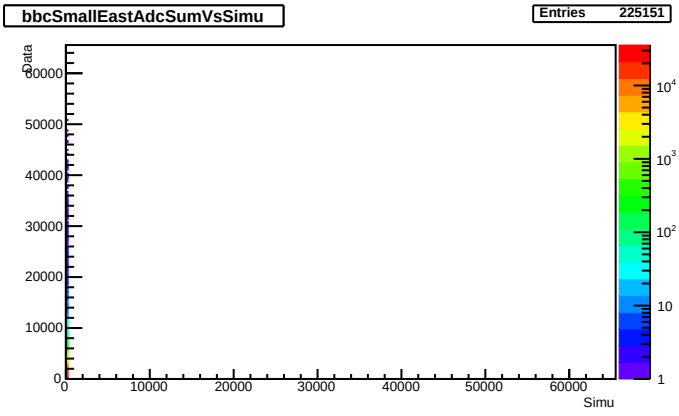

EQ3 QTB
Entries 8.024602e+07
ADC
QT Input Channel

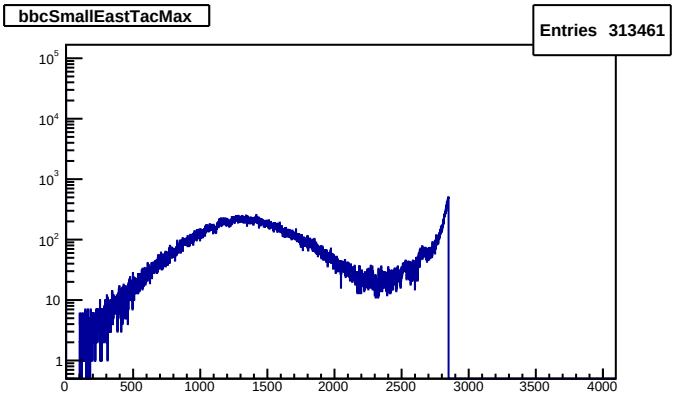

EQ3 QTB
Entries 2.462383e+07
TDC
QT Input Channel

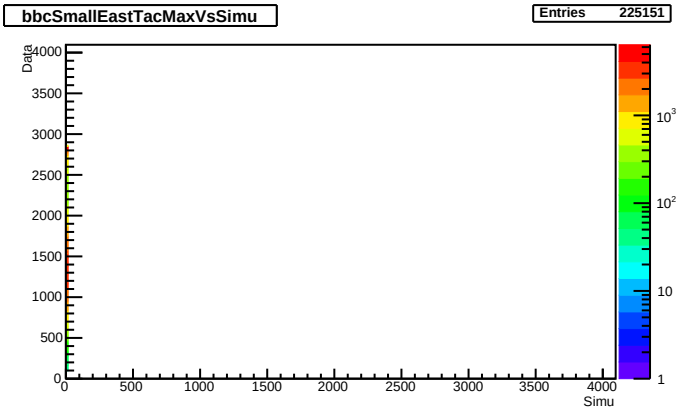

EQ3 QTC
Entries 3.009226e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.009226e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 313461


bbcSmallEastAdcSumVsSimu
Entries 225151
Data
Simu


bbcSmallEastTacMax
Entries 313461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Entries 225151
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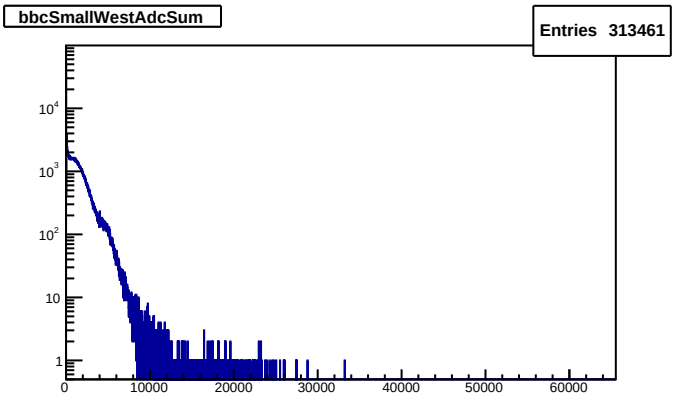
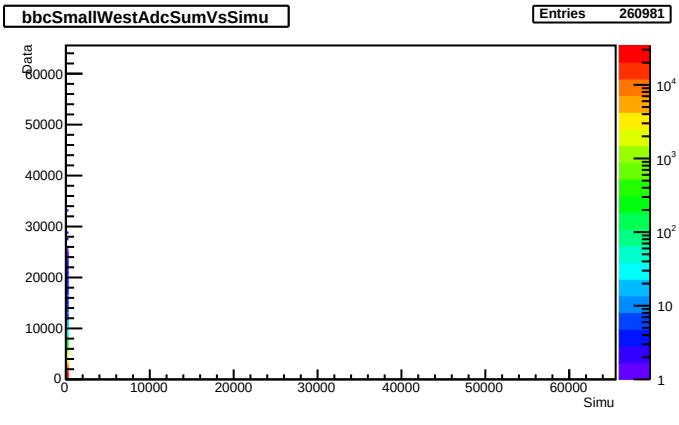

bbcSmallWestAdcSum
Entries 313461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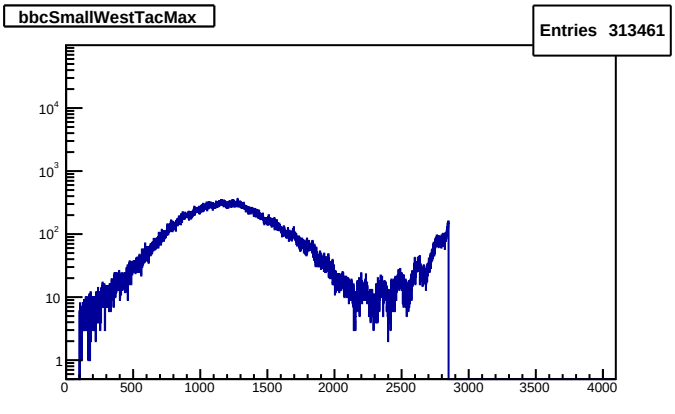
Entries 260981
Data
Simu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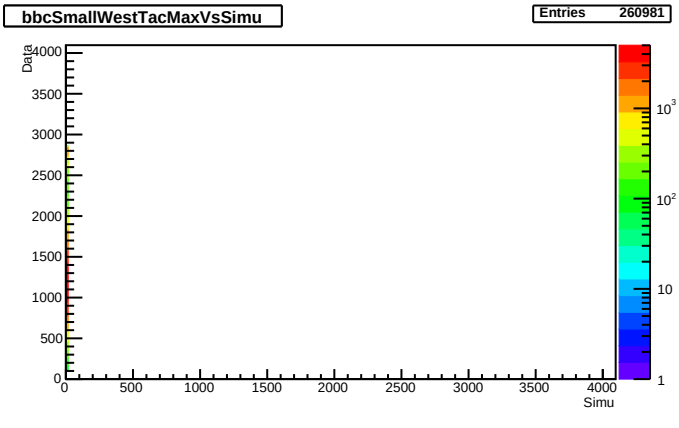
Entries 313461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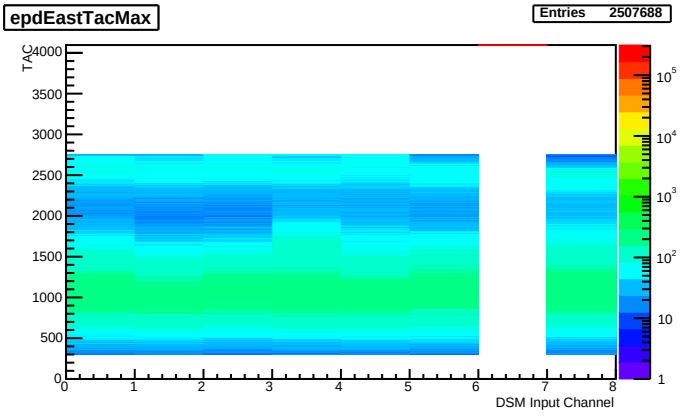
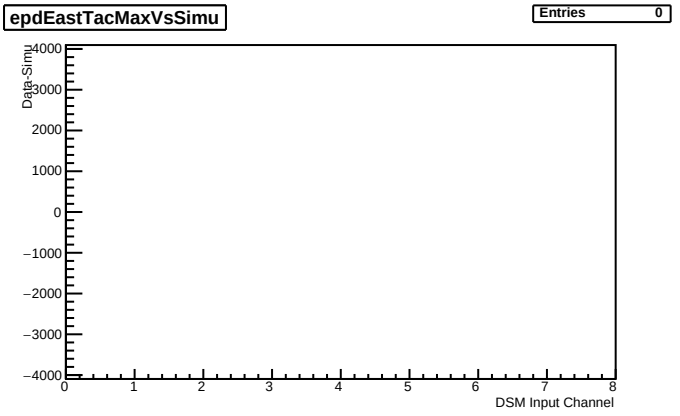
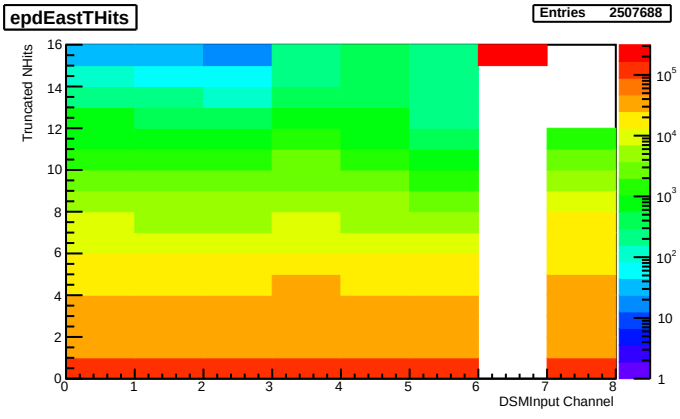
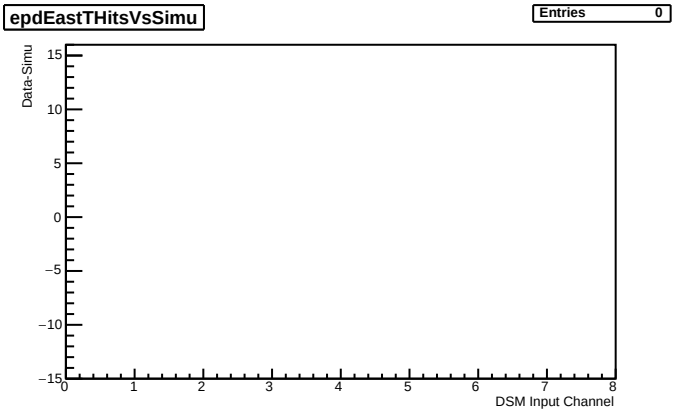
Entries 260981
Data
Simu


epdEastTacMax
Entries 2507688
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2507688
Truncated NHits
DSMInput Channel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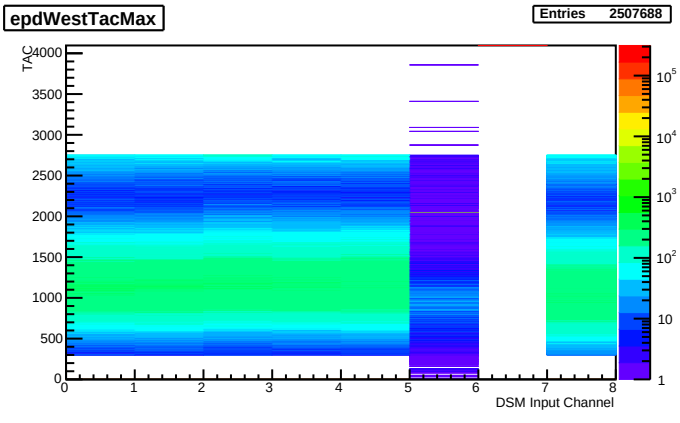
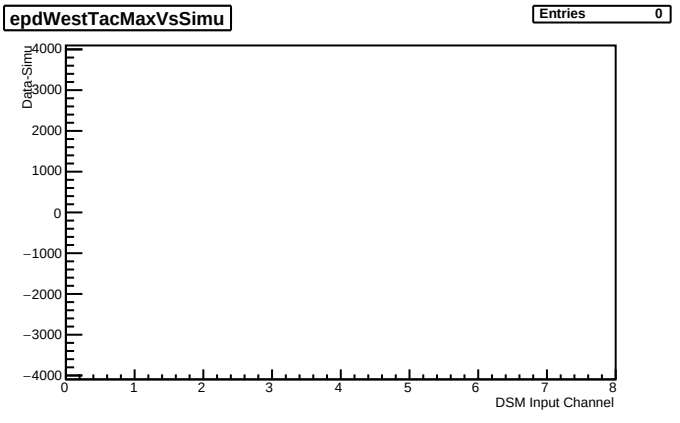
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2507688
TAC
DSM Input Channel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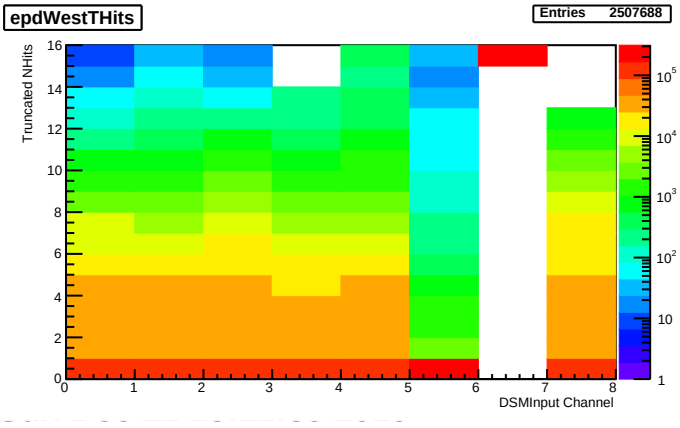
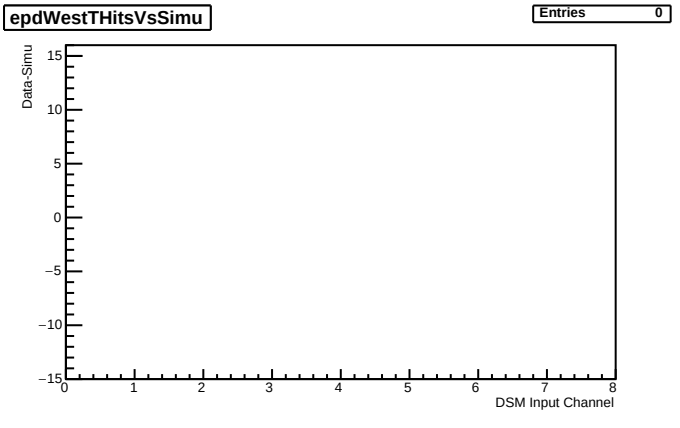
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2507688
Truncated NHits
DSMInput Channel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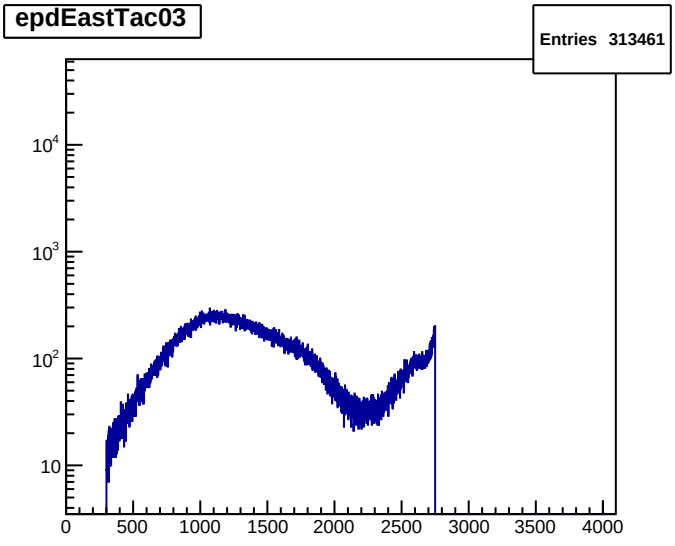
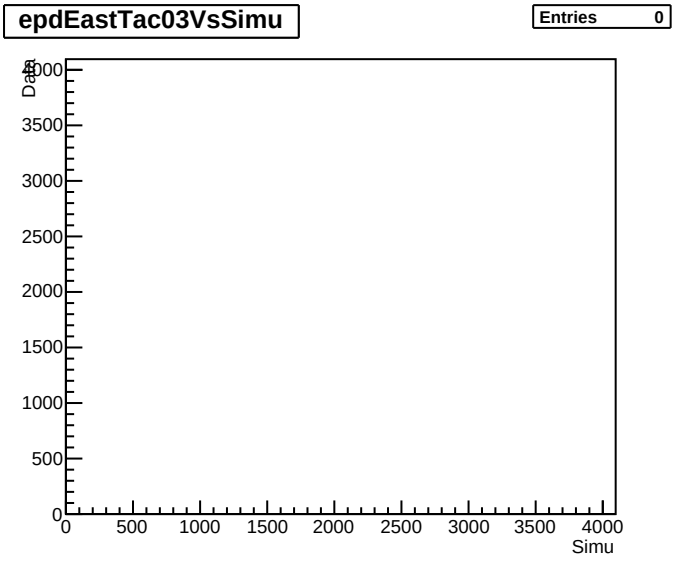
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 313461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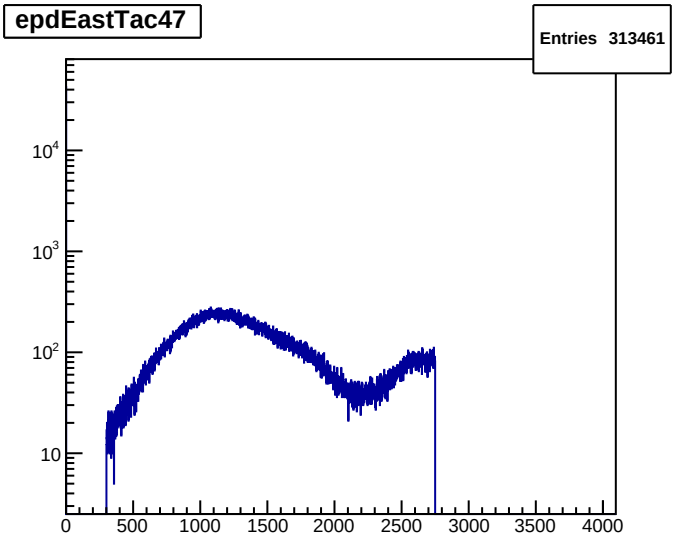
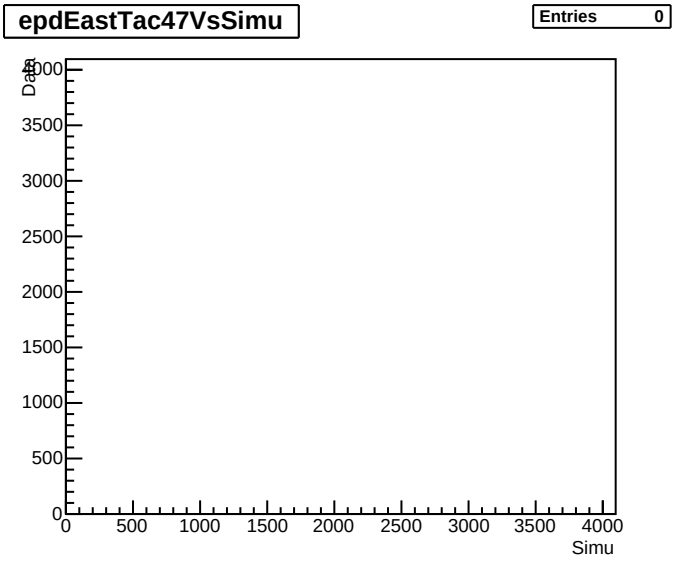
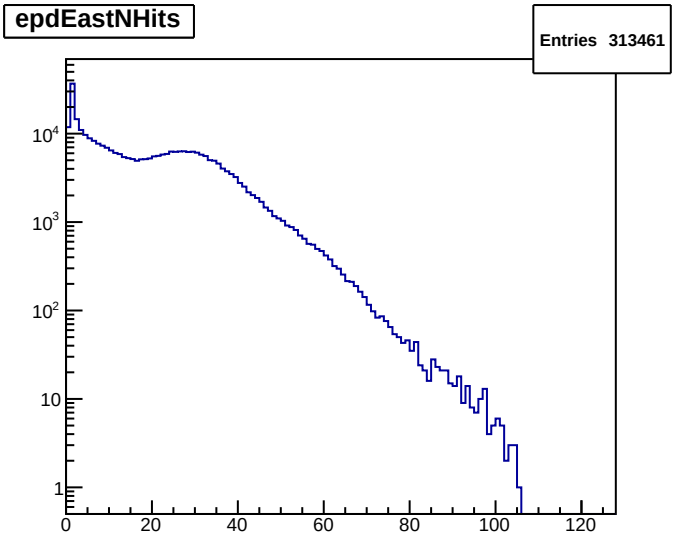
Entries 0
Data
Simu


epdEastTac47
Entries 313461


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
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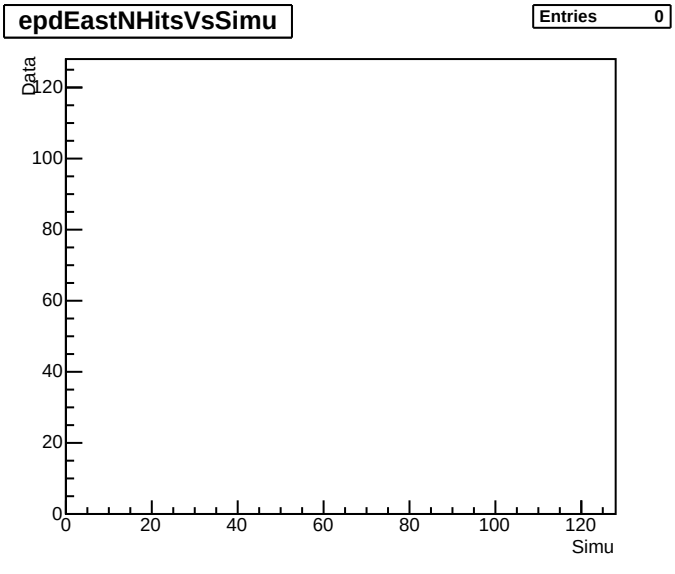
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Data
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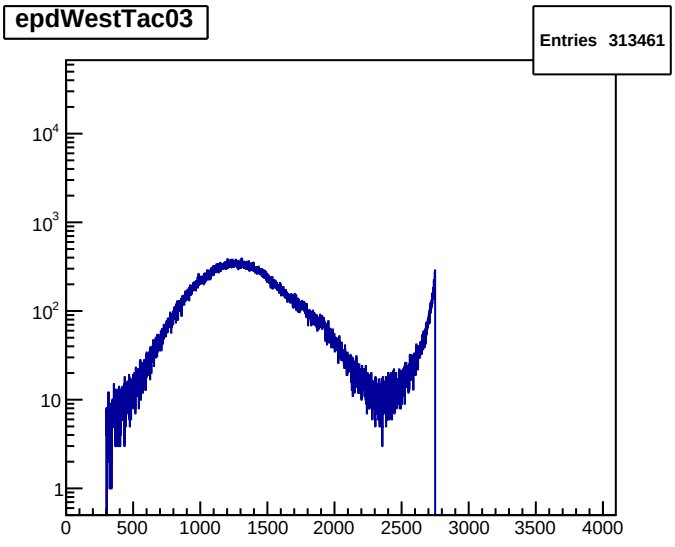
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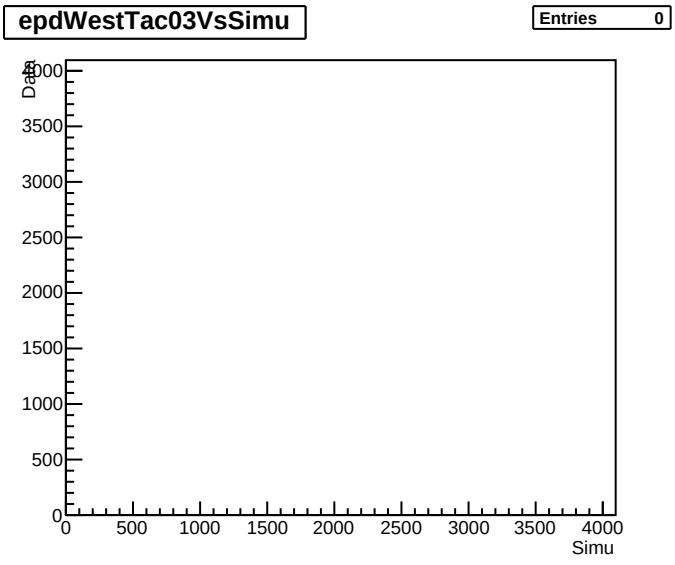
Entries 313461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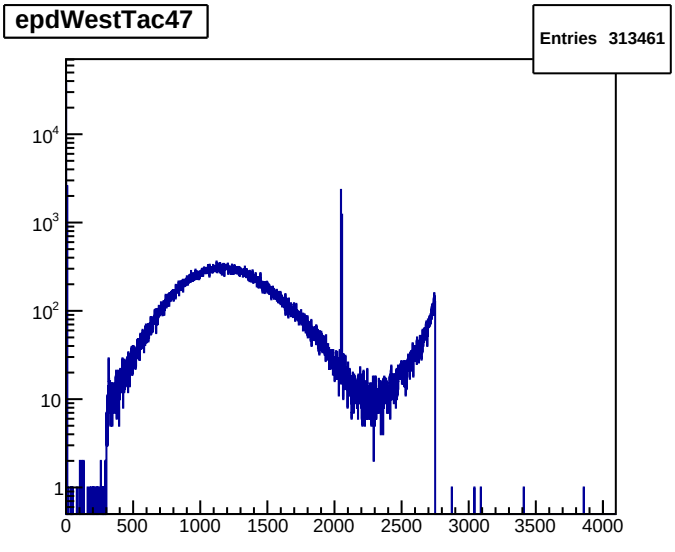
Entries 0
Data
Simu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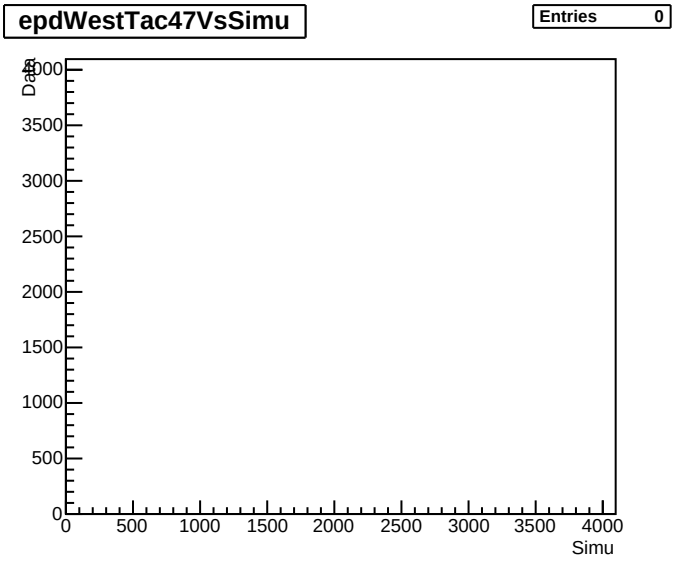
Entries 313461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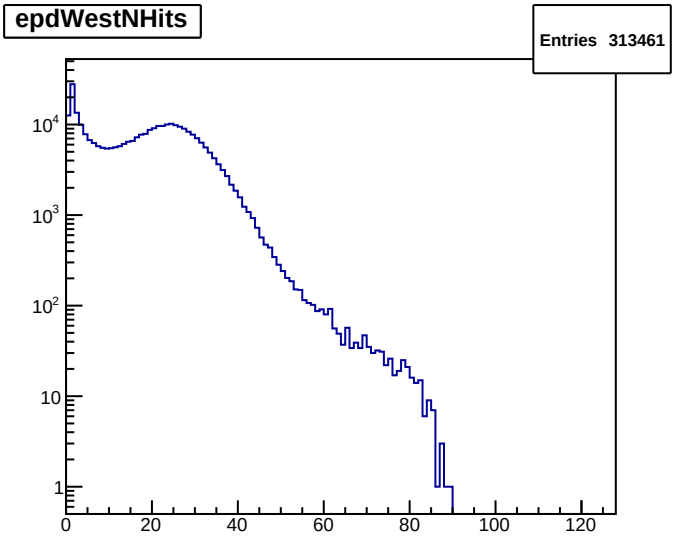
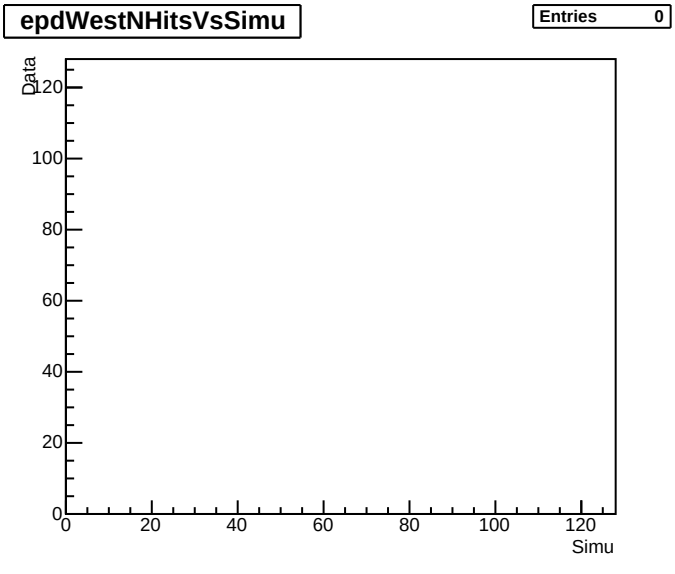
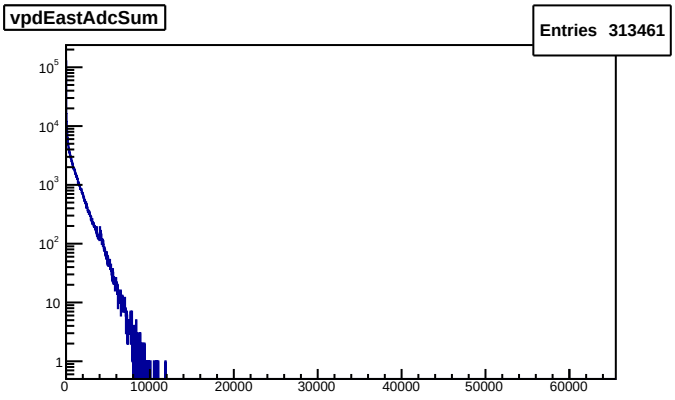
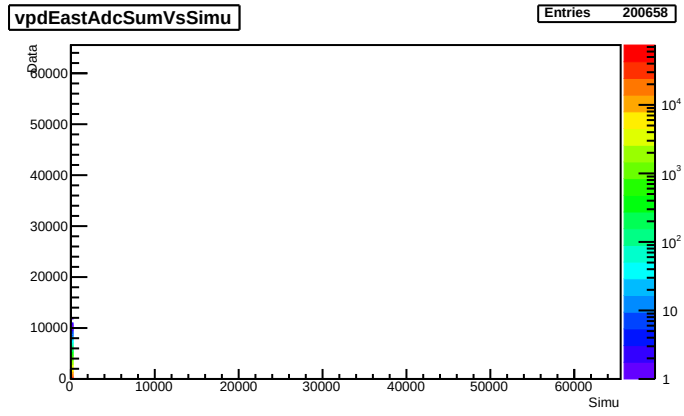
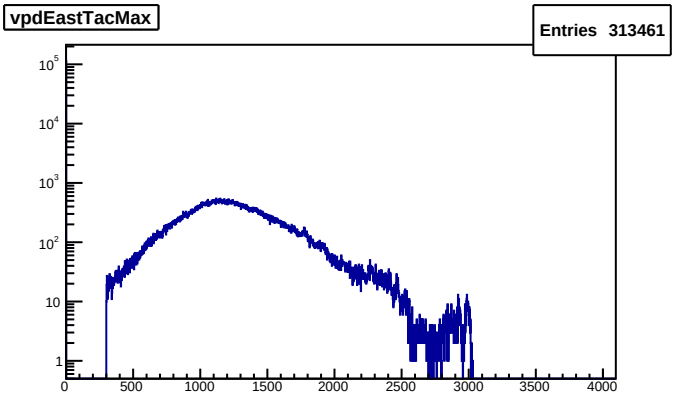
Entries 0
Data
Simu

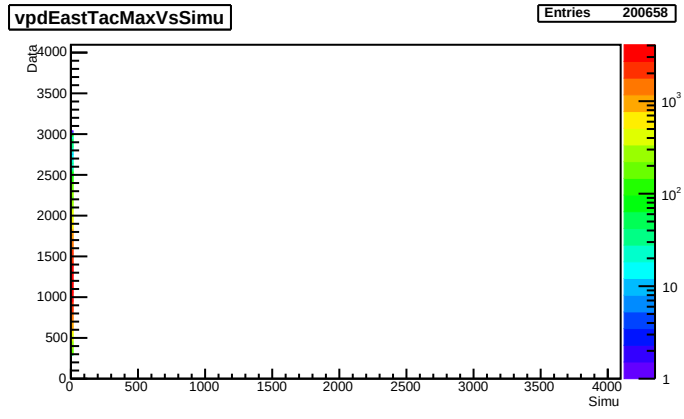

epdWestNHits
Entries 313461

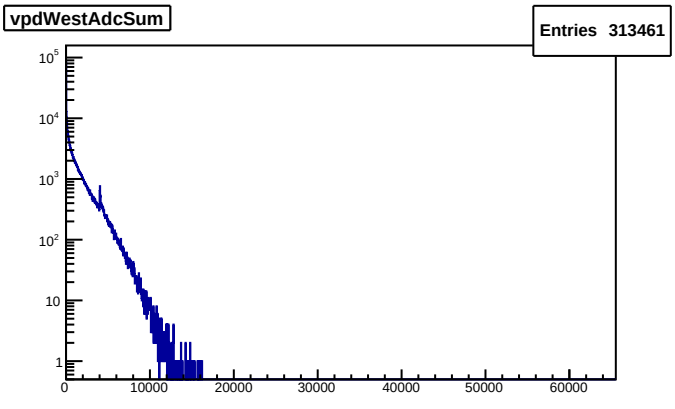

epdWestNHitsVsSimu
Entries 0
Data
Simu

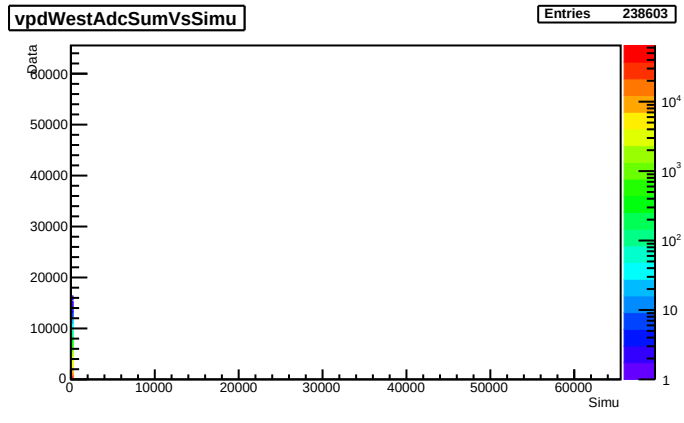

vpdEastAdcSum
Entries 313461

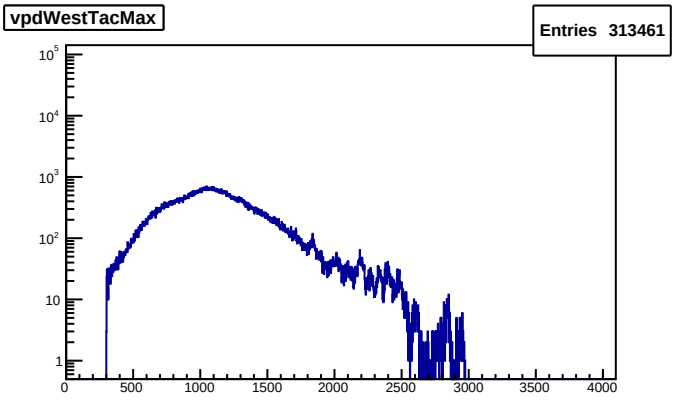

vpdEastAdcSumVsSimu
Entries 200658
Data
Simu

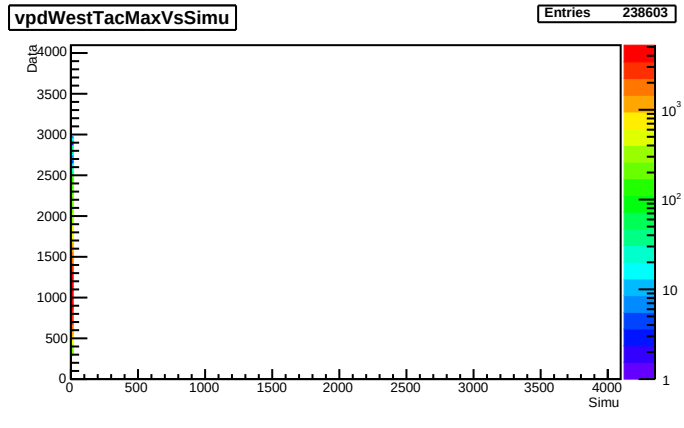

vpdEastTacMax
Entries 313461

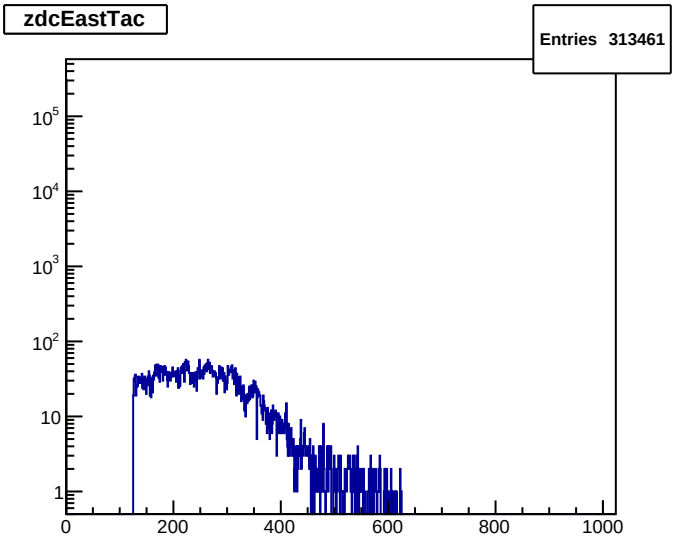

vpdEastTacMaxVsSimu
Entries 200658
Data
Simu

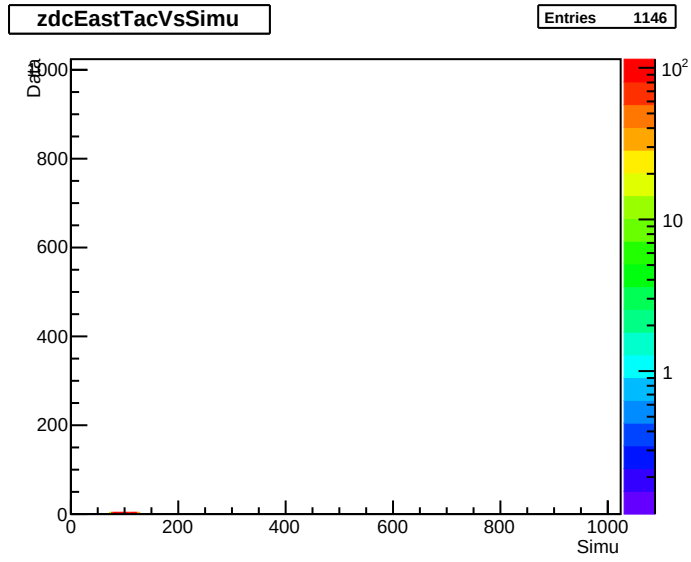

vpdWestAdcSum
Entries 313461

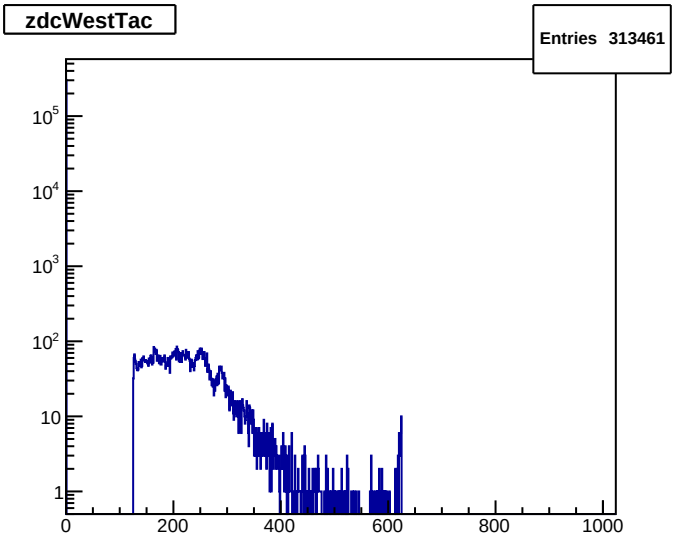

vpdWestAdcSumVsSimu
Entries 238603
Data
Simu

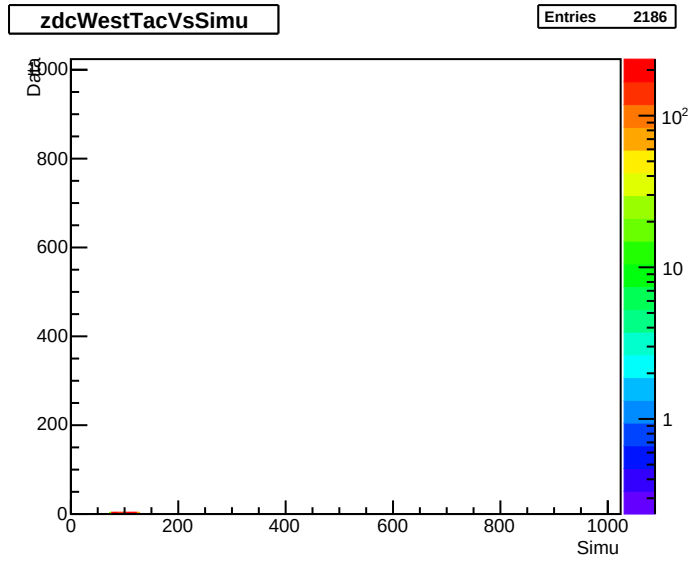

vpdWestTacMax
Entries 313461

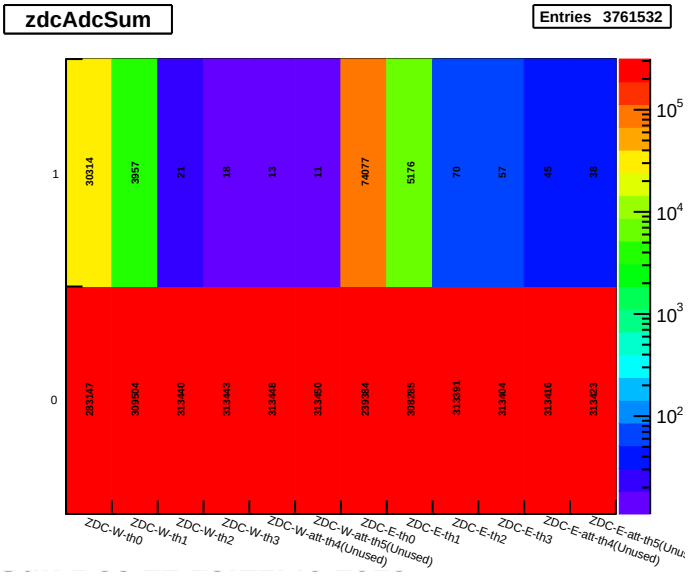

vpdWestTacMaxVsSimu
Entries 238603
Data
Simu

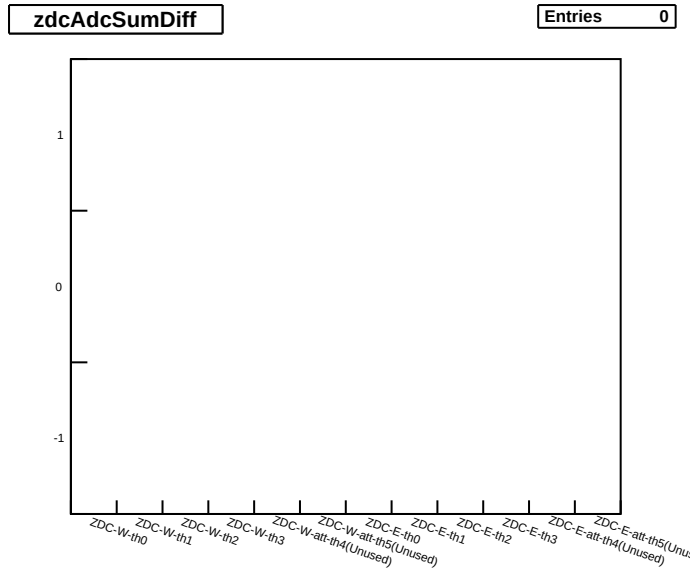

zdcEastTac
Entries 313461

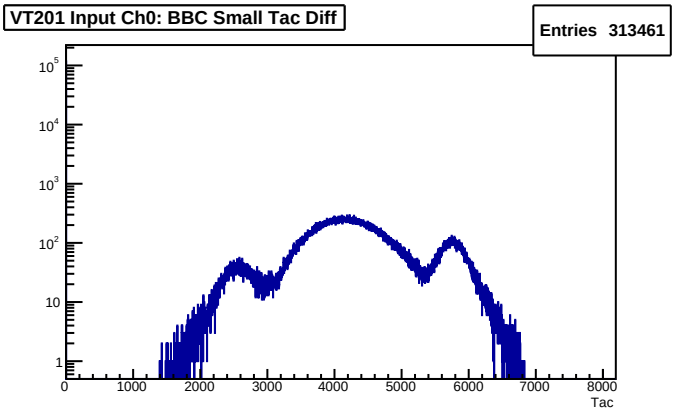

zdcEastTacVsSimu
Entries 1146
Data
Simu

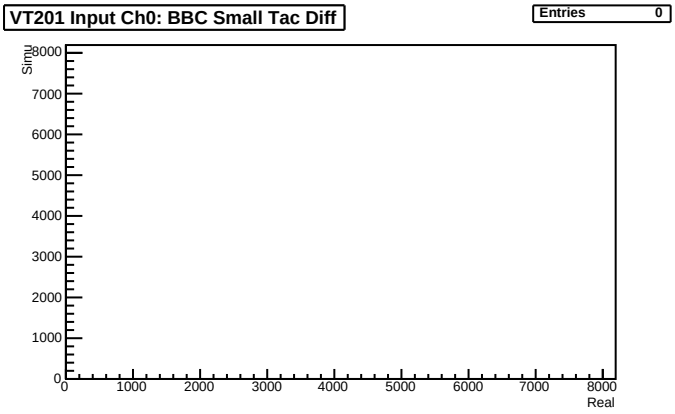

zdcWestTac
Entries 313461

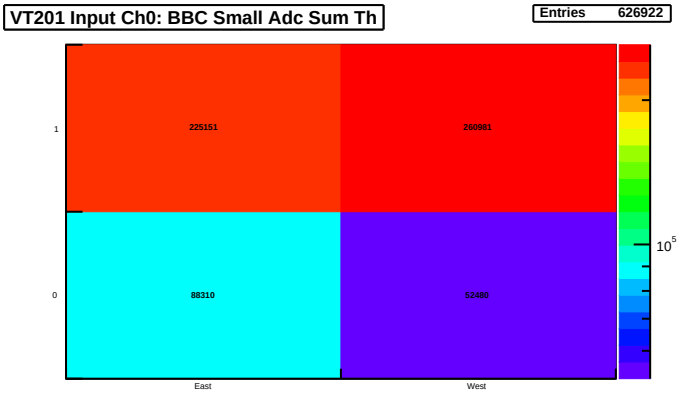

zdcWestTacVsSimu
Entries 2186
Data
Simu

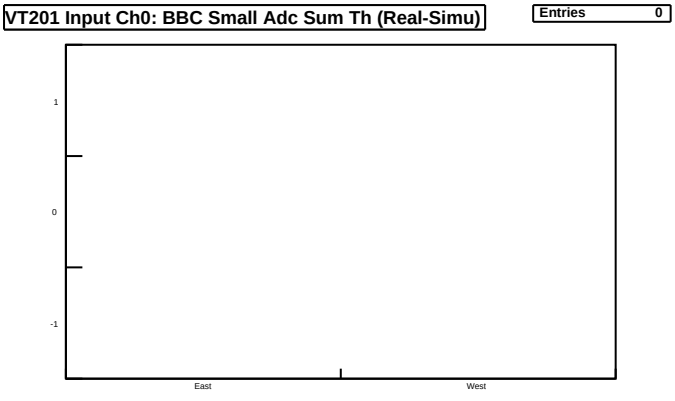

zdcAdcSum
Entries 3761532
30314
3957
21
18
13
11
74077
5176
70
57
45
38
283147
309504
313440
313443
313448
313450
239384
308285
313391
313404
313416
313423
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

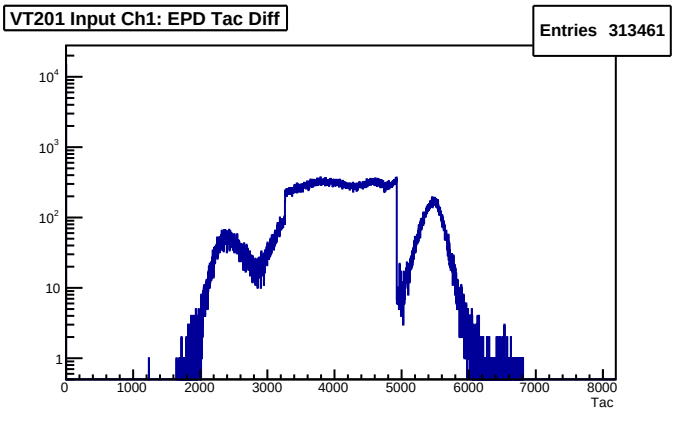

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

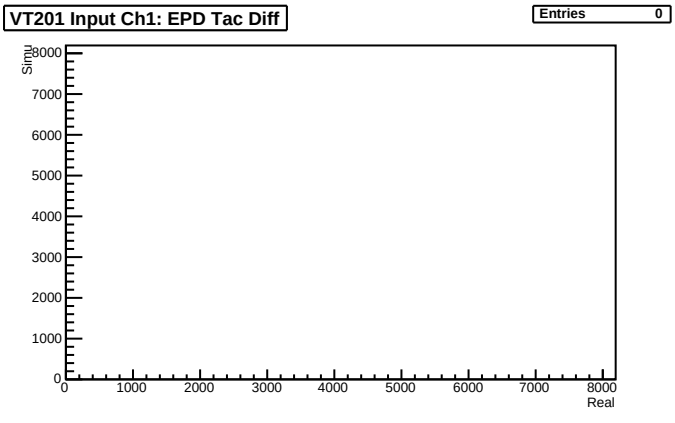

VT201 Input Ch0: BBC Small Tac Diff
Entries 313461
Tac

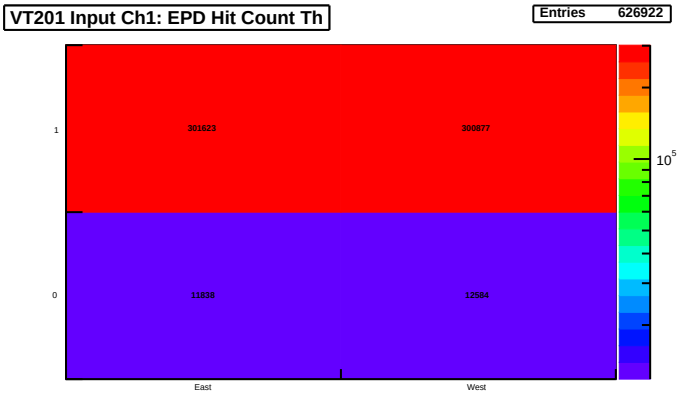

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

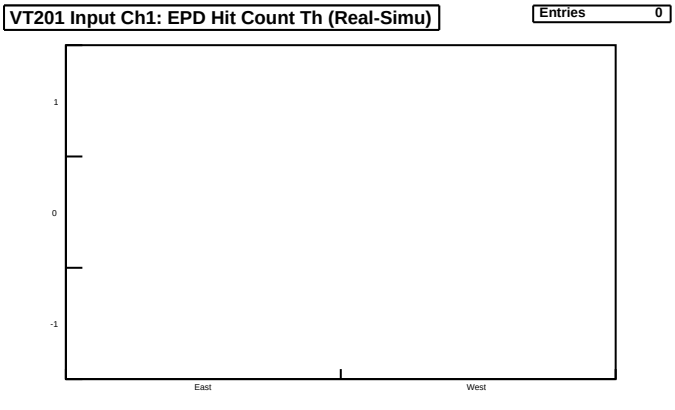

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 626922
225151
260981
88310
52480
East
West

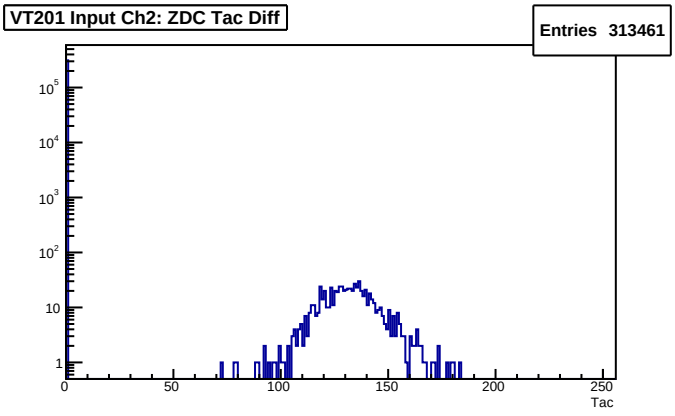

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

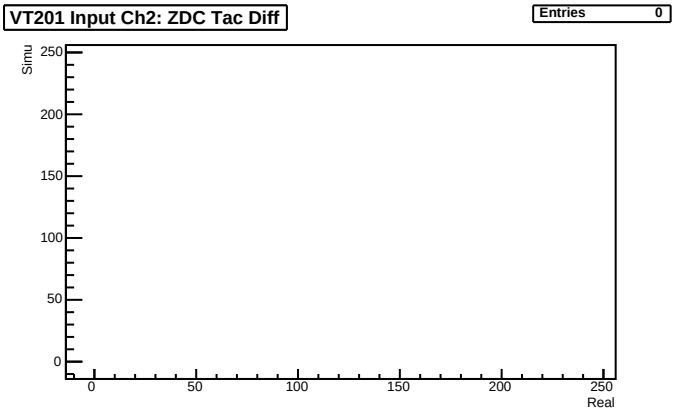

VT201 Input Ch1: EPD Tac Diff
Entries 313461
Tac

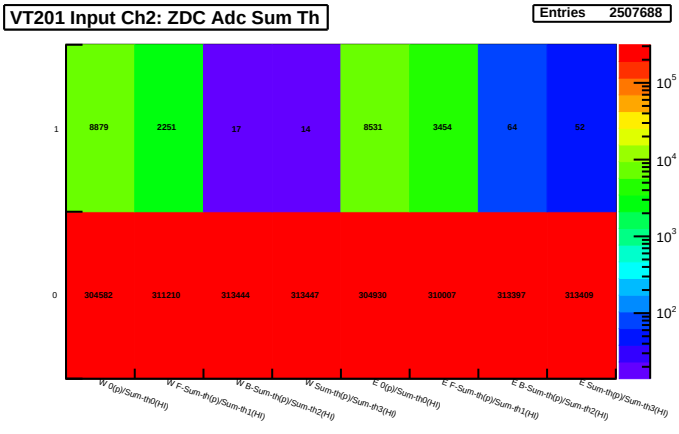

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

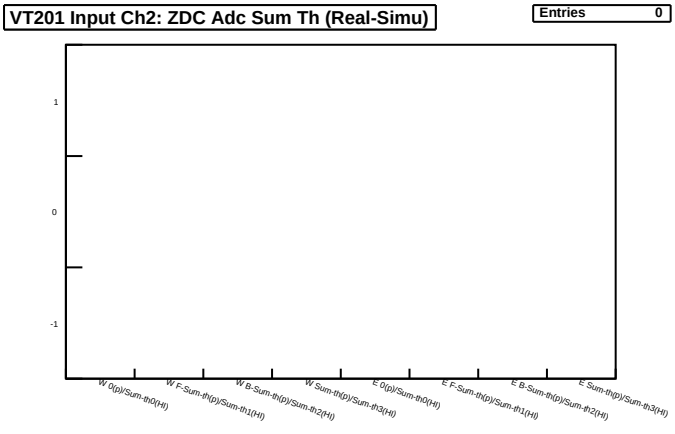

VT201 Input Ch1: EPD Hit Count Th
Entries 626922
301623
300877
11838
12584
East
West

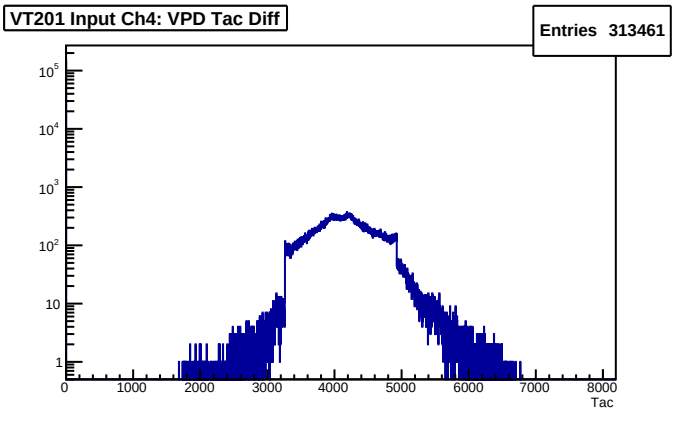

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

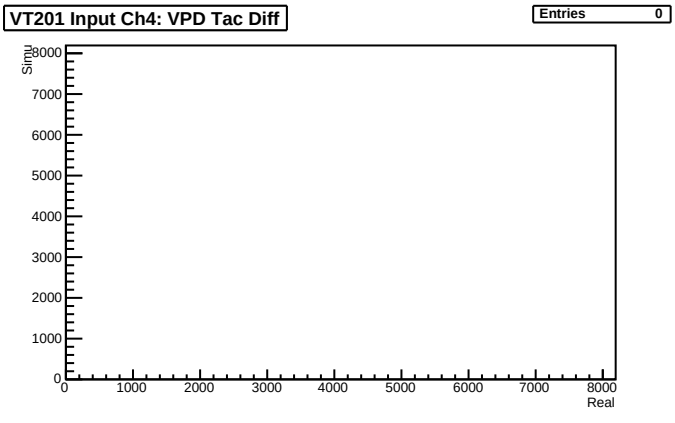

VT201 Input Ch2: ZDC Tac Diff
Entries 313461
Tac

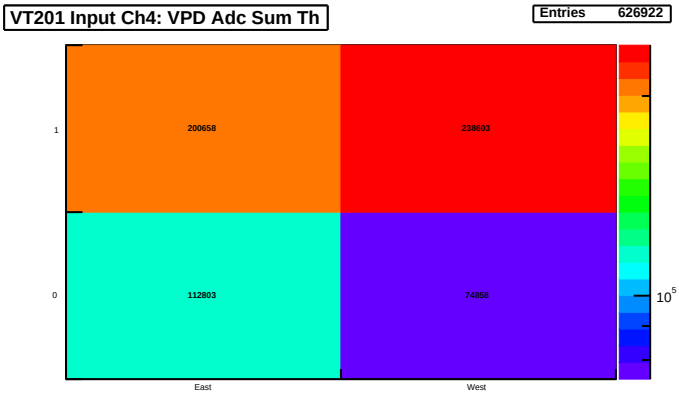

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

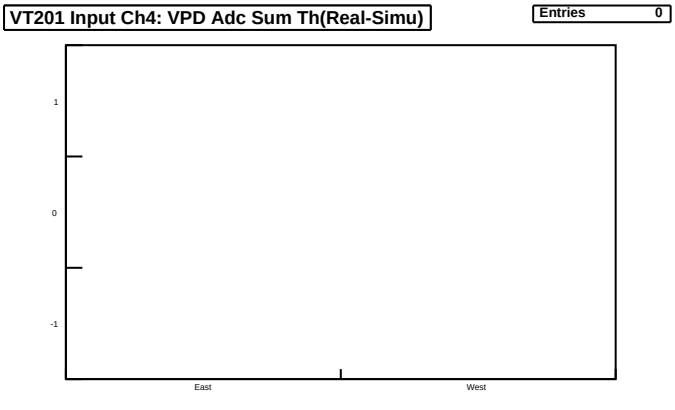

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2507688
8879
2251
17
14
8531
3454
64
52
304582
311210
313444
313447
304930
310007
313397
313409
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

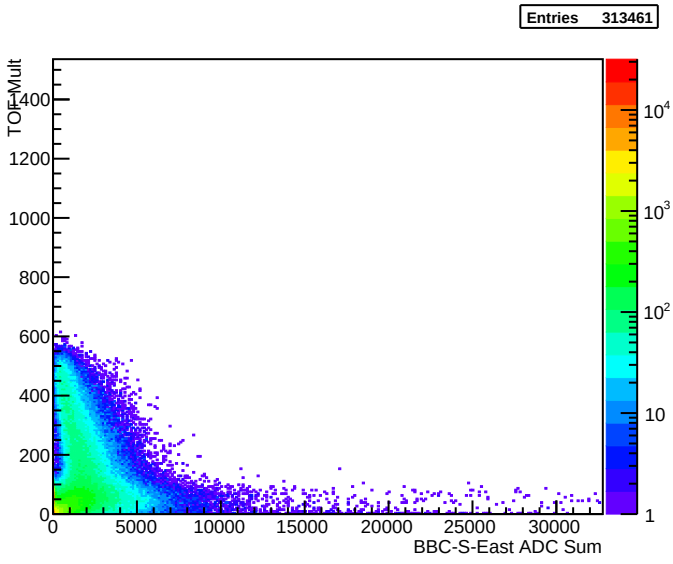

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

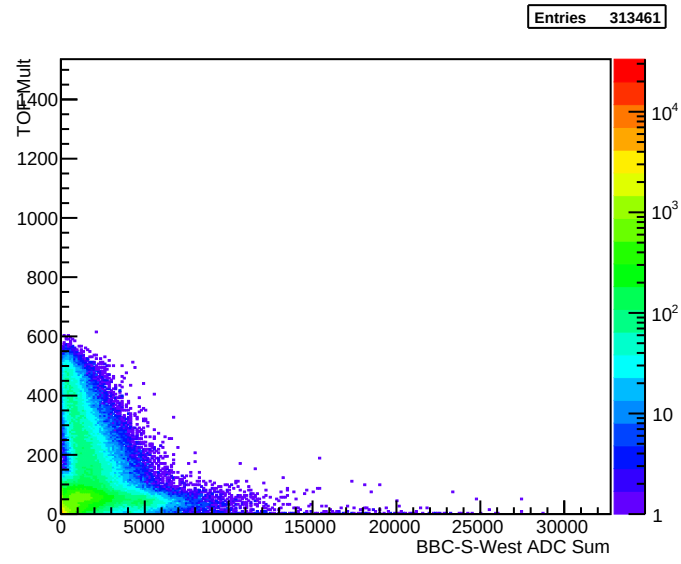

VT201 Input Ch4: VPD Tac Diff
Entries 313461
Tac

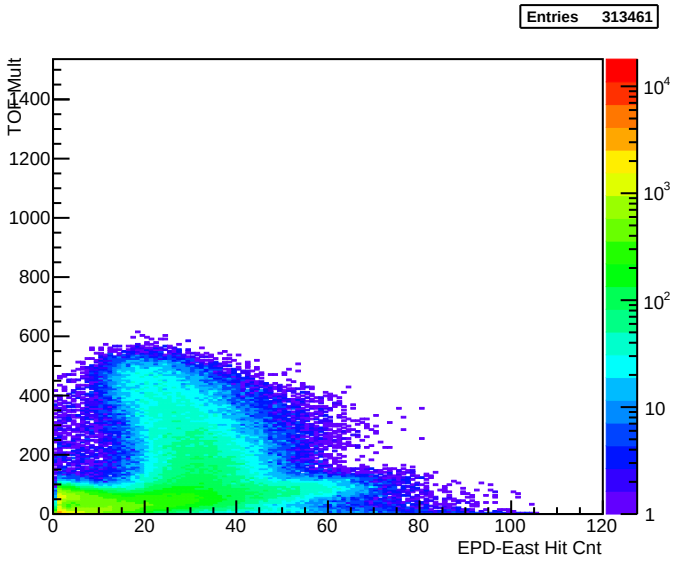

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

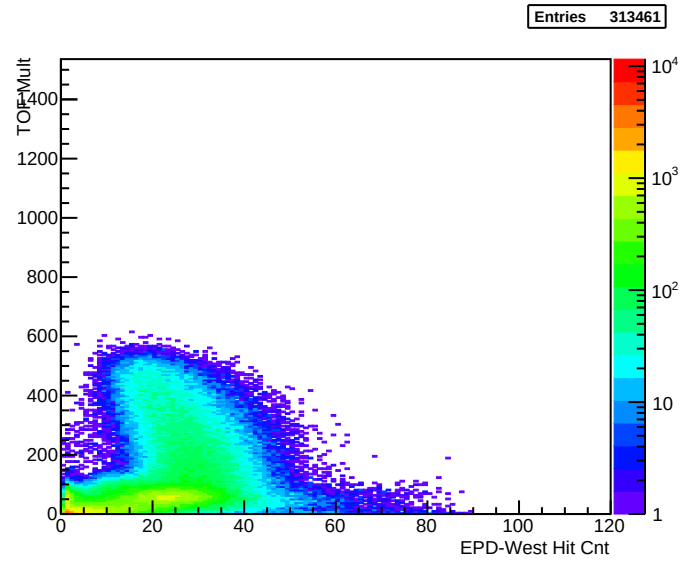

VT201 Input Ch4: VPD Adc Sum Th
Entries 626922
200658
238603
112803
74858
East
West

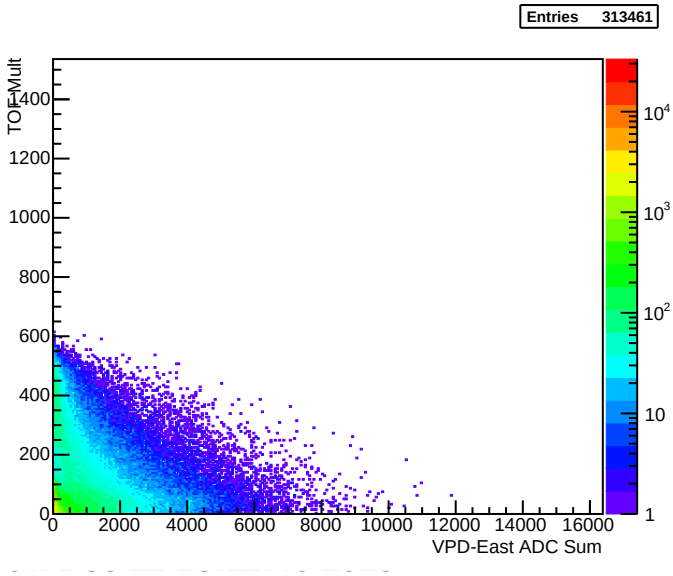

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

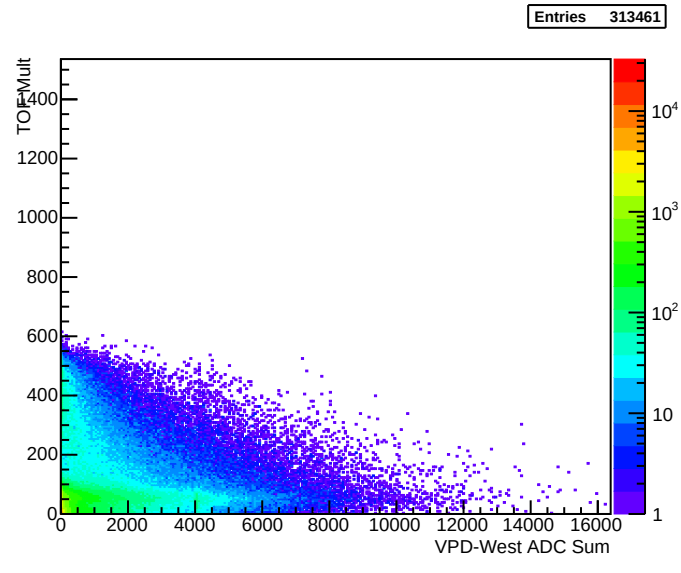

Entries 313461
TOF-Mult
BBC-S-East ADC Sum

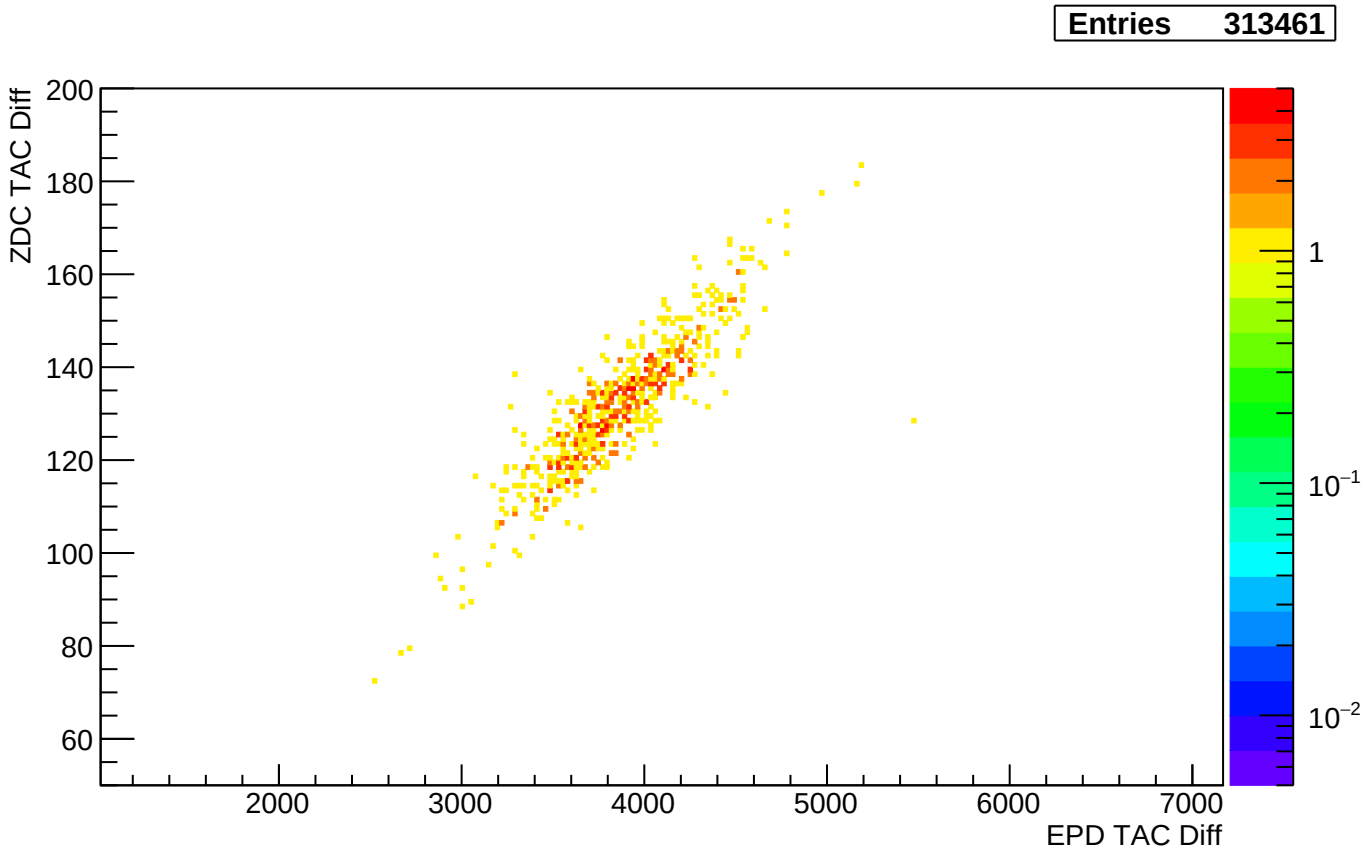

Entries 313461
TOF-Mult
BBC-S-West ADC Sum

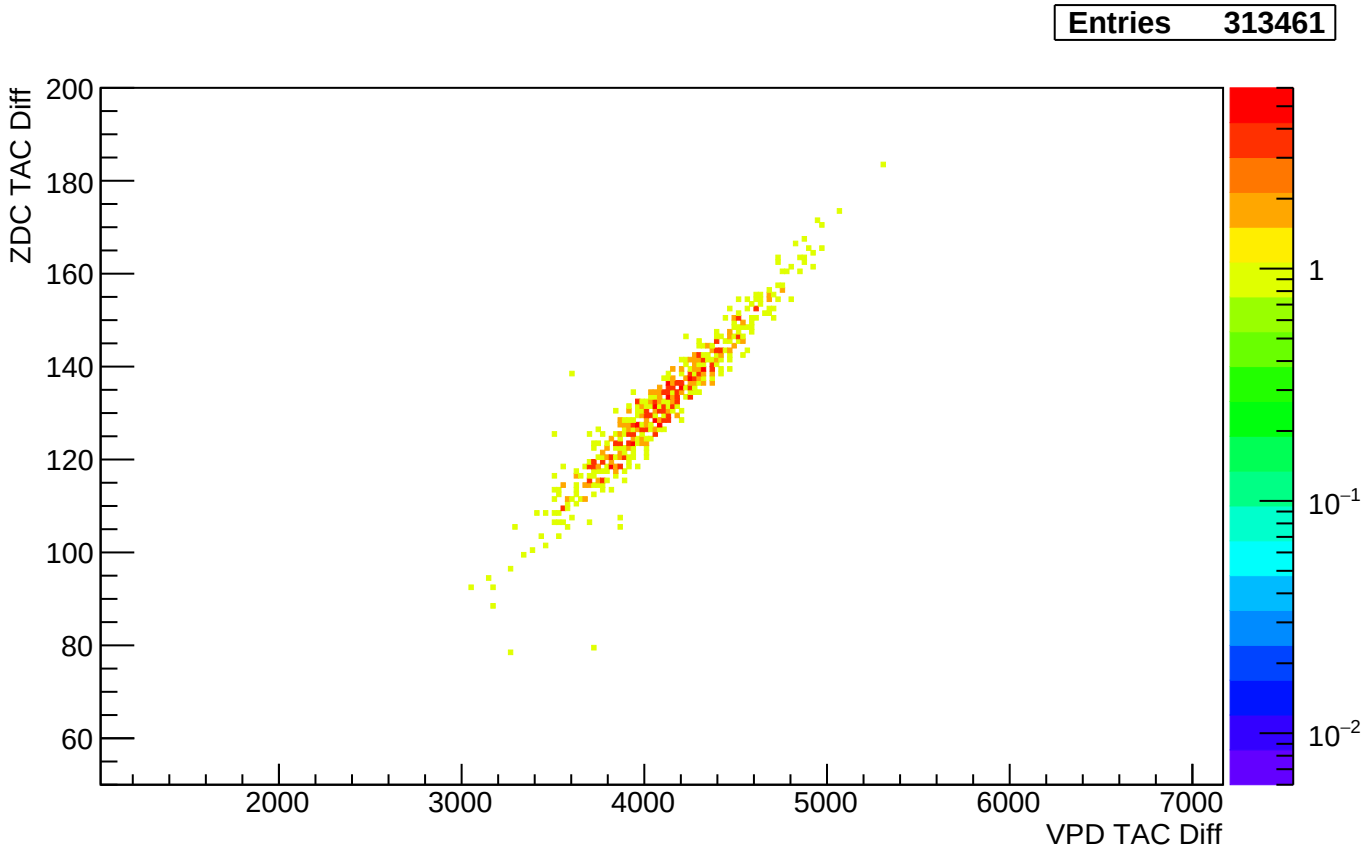

Entries 313461
TOF-Mult
EPD-East Hit Cnt

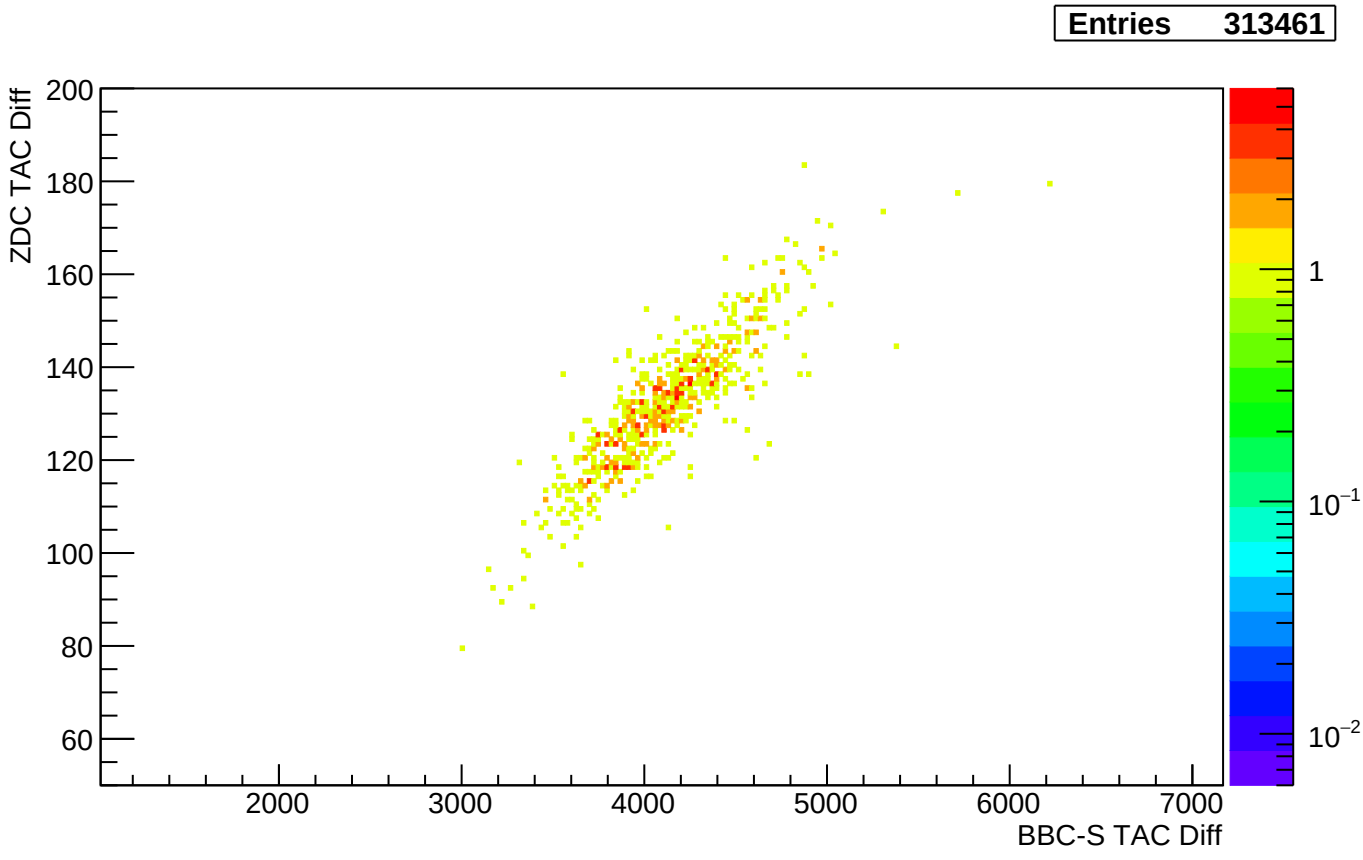

Entries 313461
TOF-Mult
EPD-West Hit Cnt

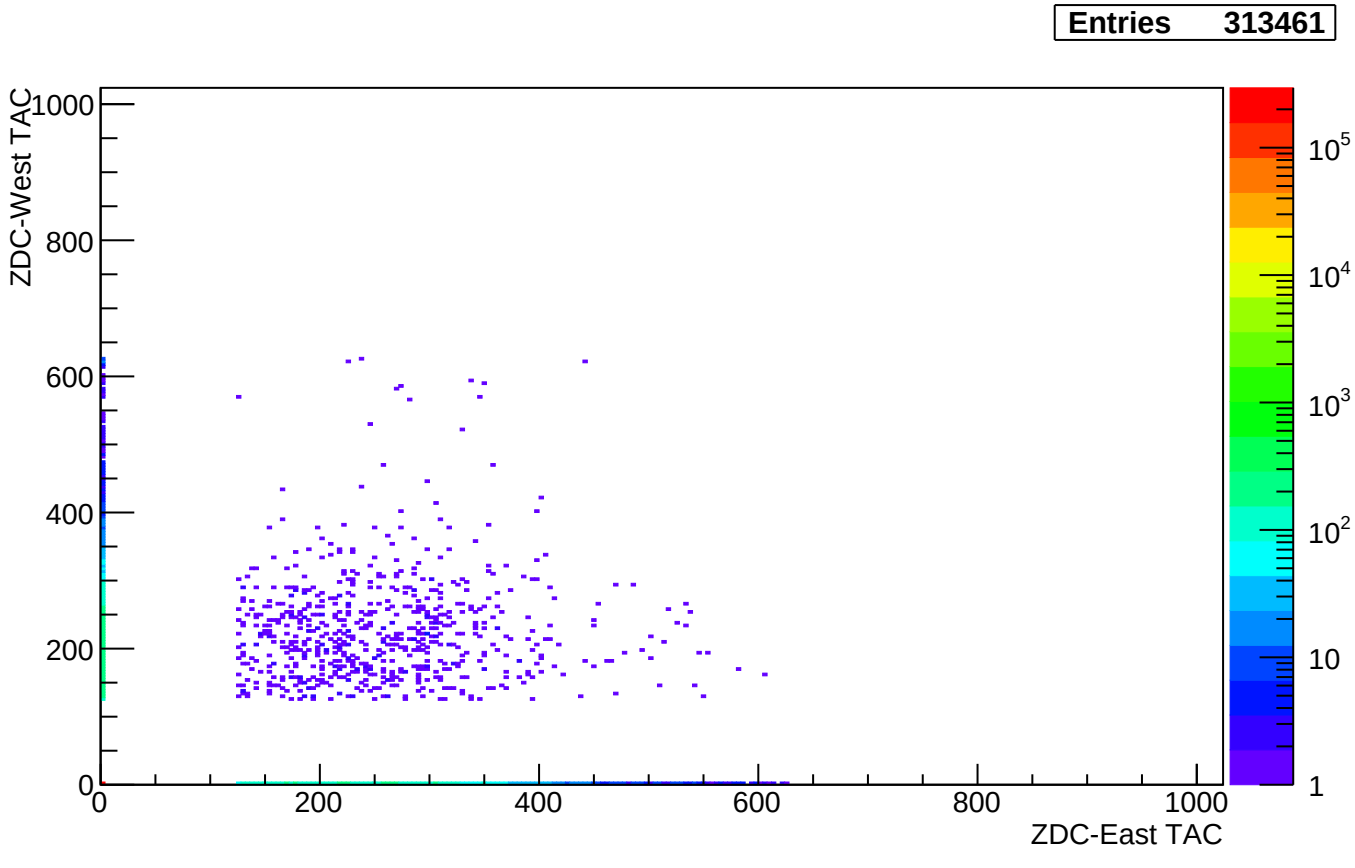

Entries 313461
TOF-Mult
VPD-East ADC Sum

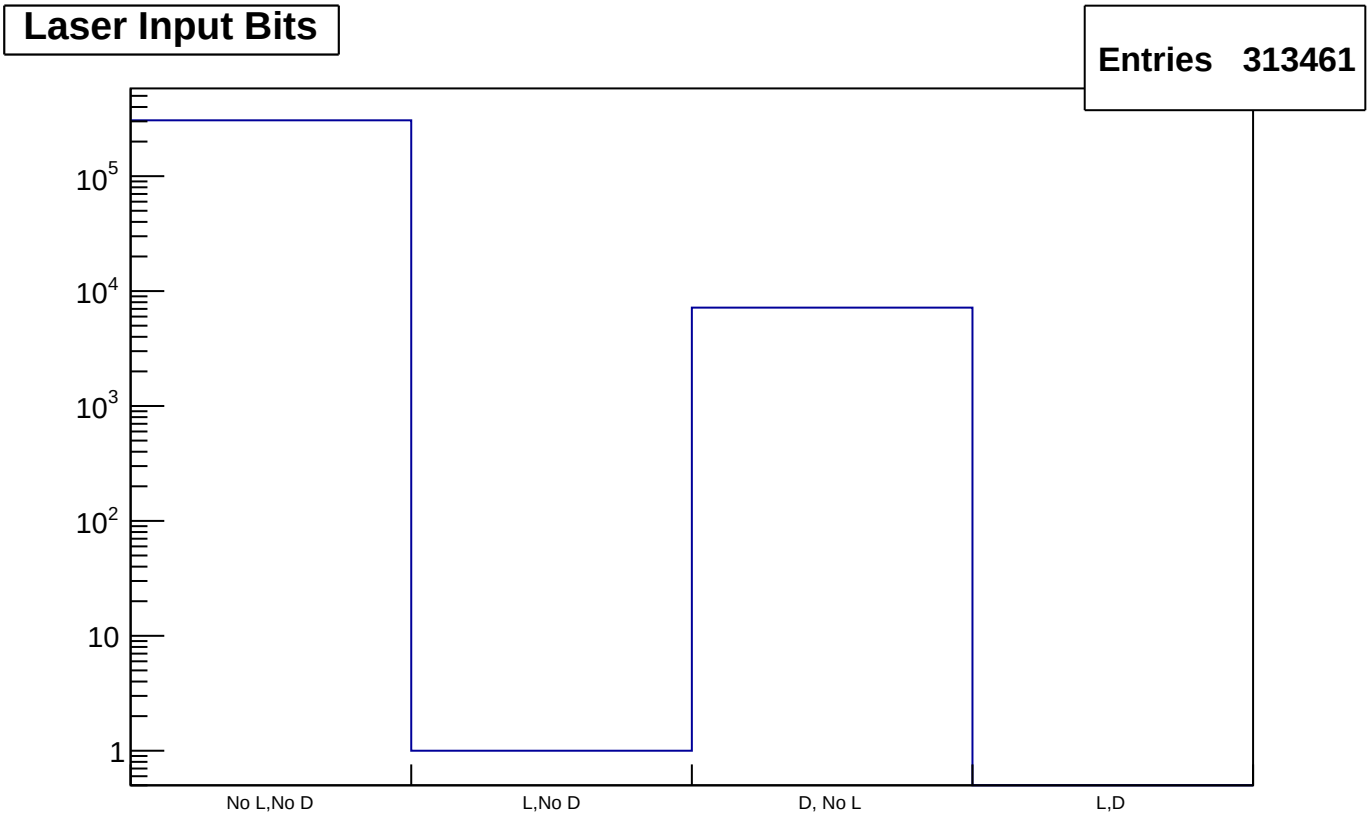

Entries 313461
TOF-Mult
VPD-West ADC Sum

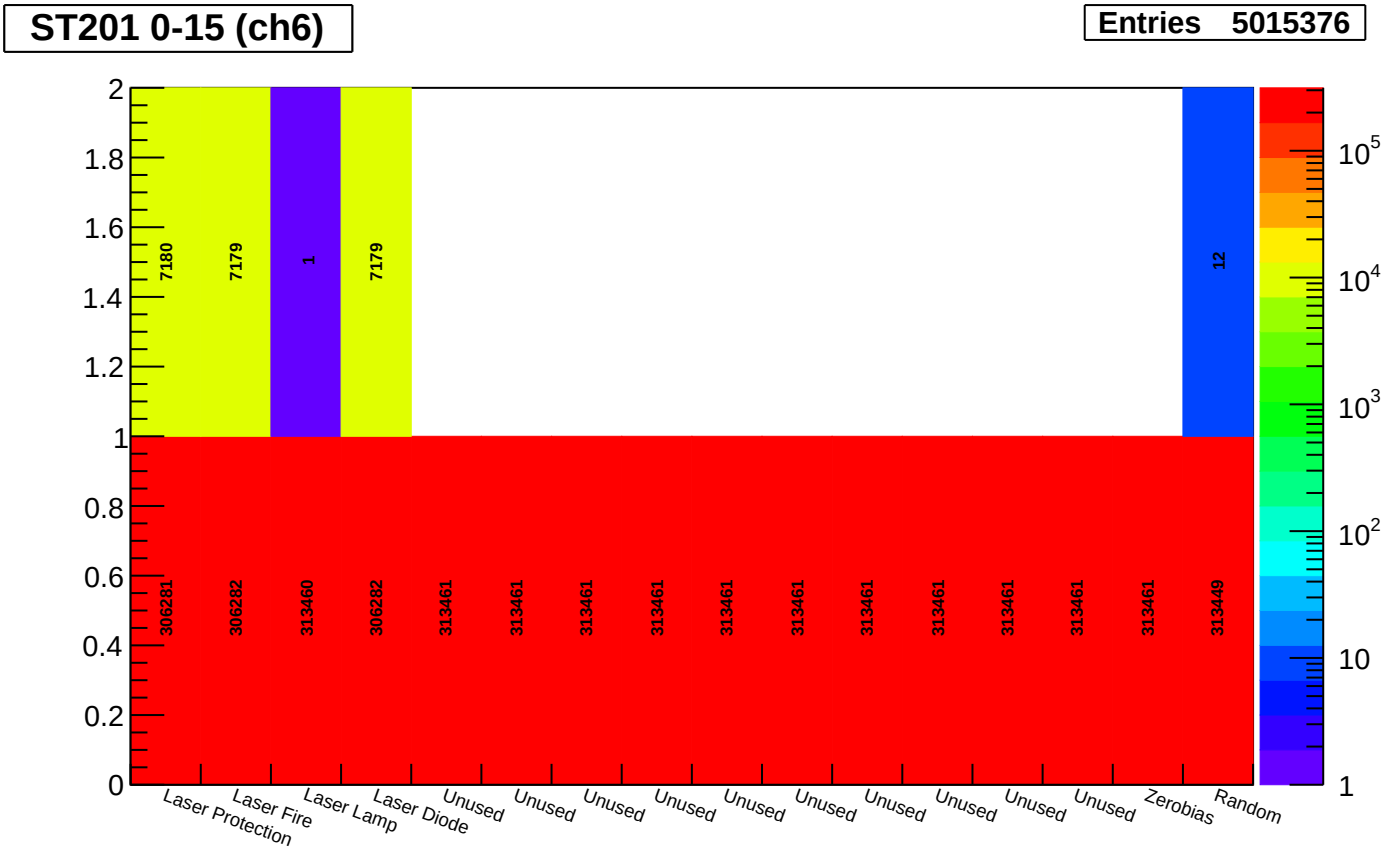

Entries 313461
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

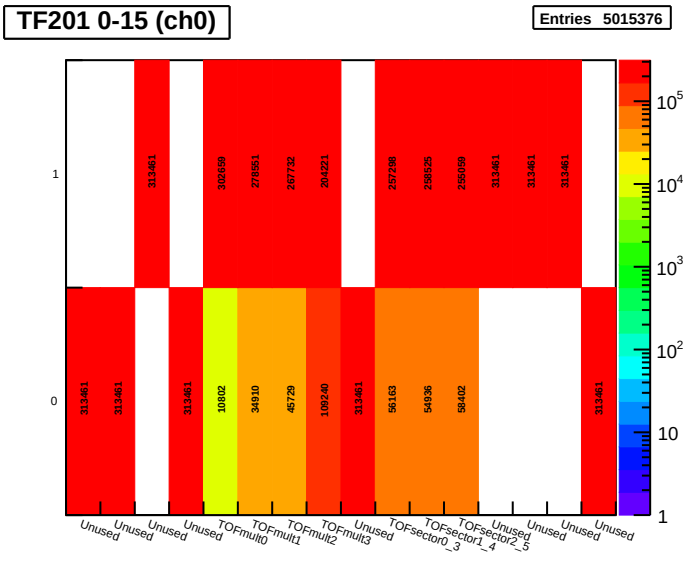

Entries 313461
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

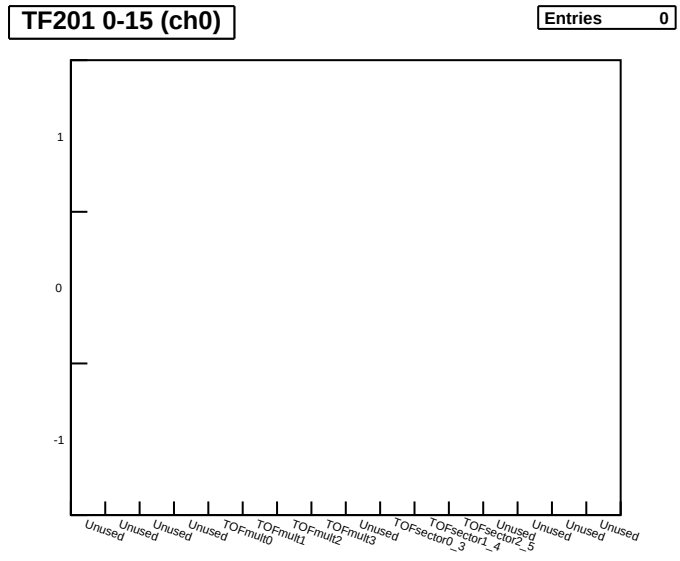

Entries 313461
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

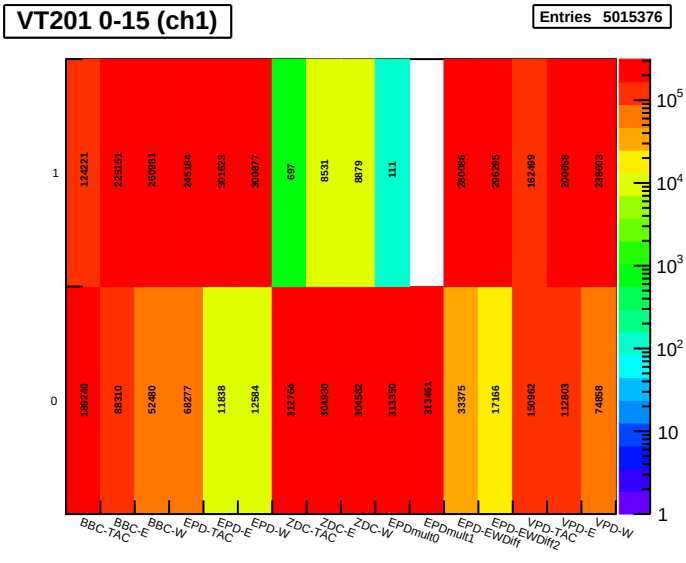

Entries 313461
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1

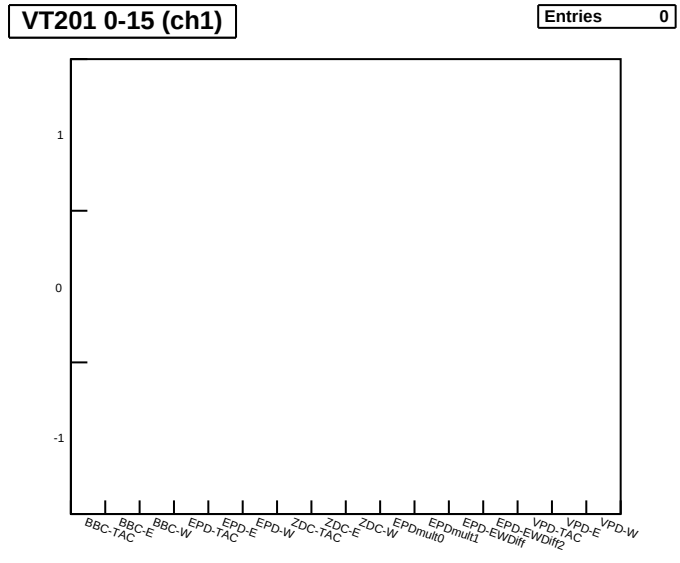

Laser Input Bits
Entries 313461
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

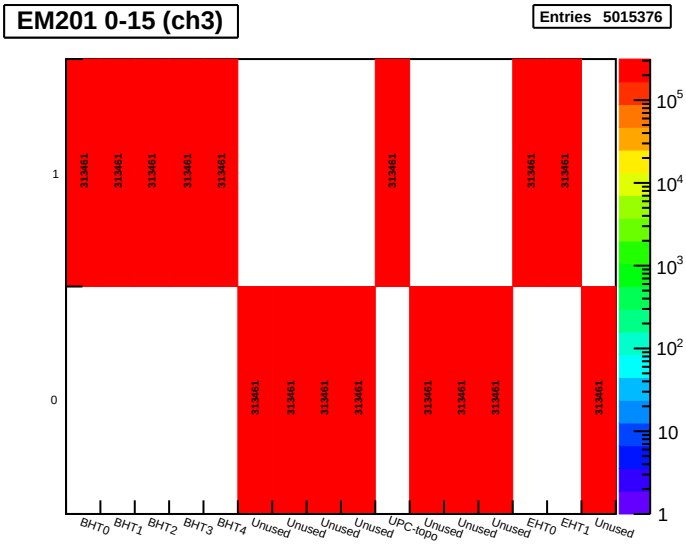

ST201 0-15 (ch6)
Entries 5015376
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
7180
7179
1
7179
12
306281
306282
313460
306282
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313449
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

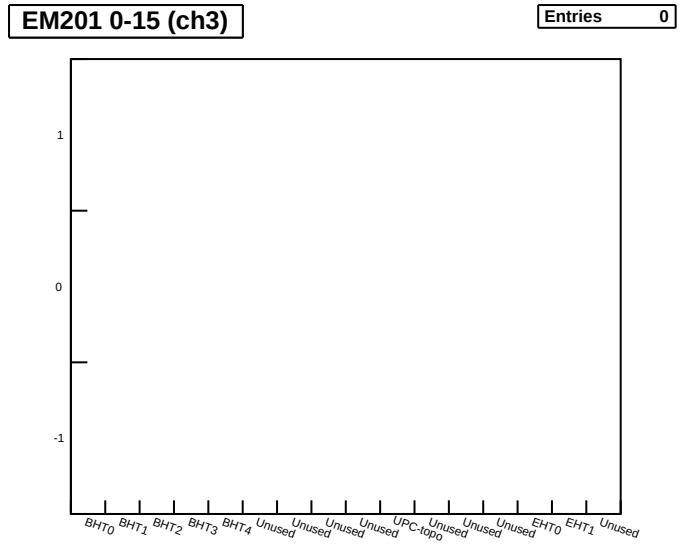

TF201 0-15 (ch0)
Entries 5015376
1
0
313461
302659
278551
267732
204221
257298
258525
255059
313461
313461
313461
313461
313461
313461
10802
34910
45729
109240
313461
56163
54936
58402
313461
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 5015376
1
0
124221
225151
260981
245184
301623
300877
697
8531
8879
111
280086
296295
162499
200658
238683
188240
88310
52480
68277
11838
12584
312764
304930
304582
313350
313461
33375
17166
150962
112803
74858
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 5015376
1
0
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
313461
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