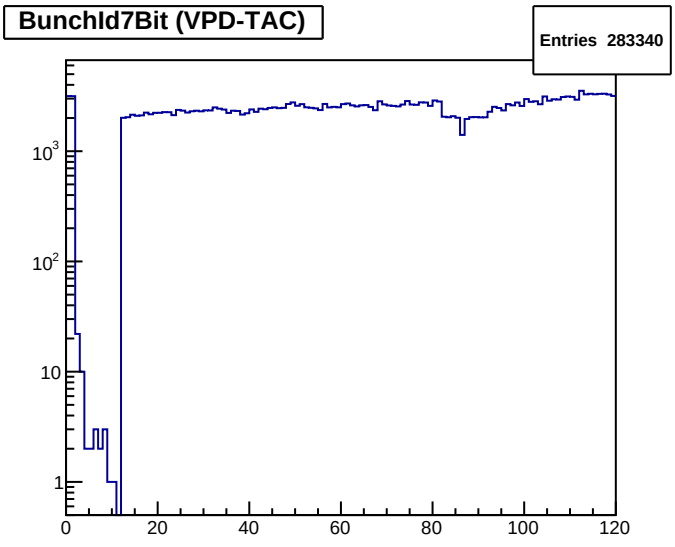
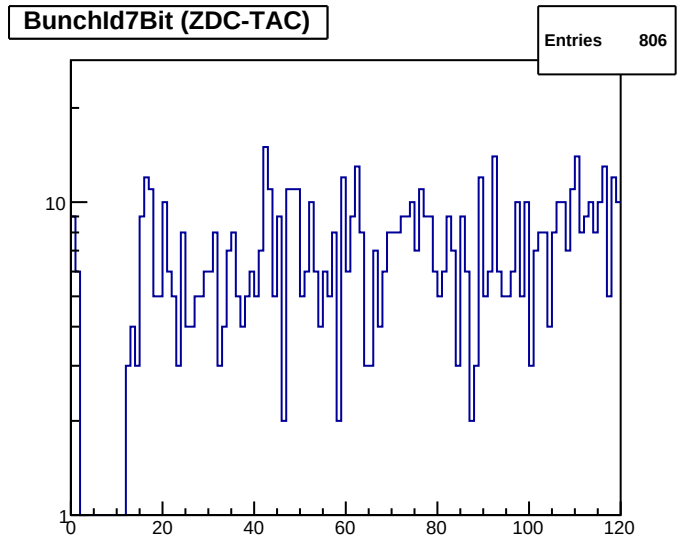
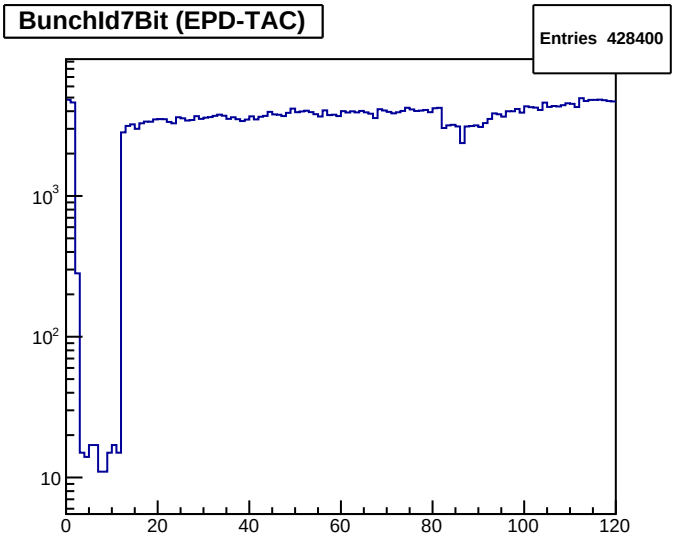
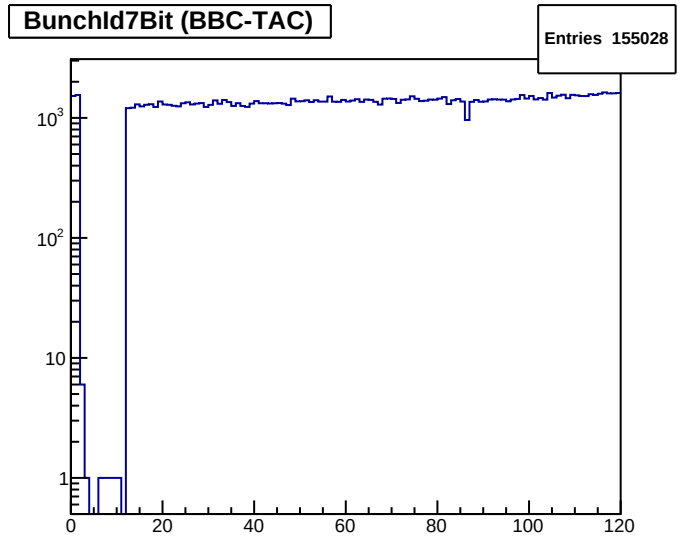
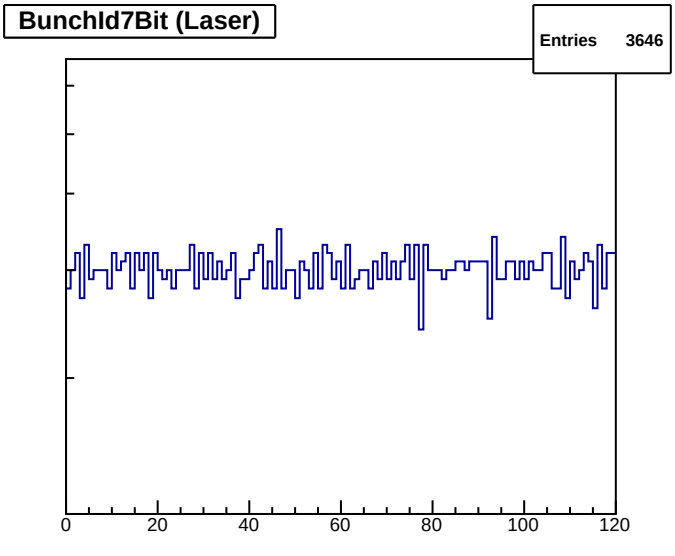
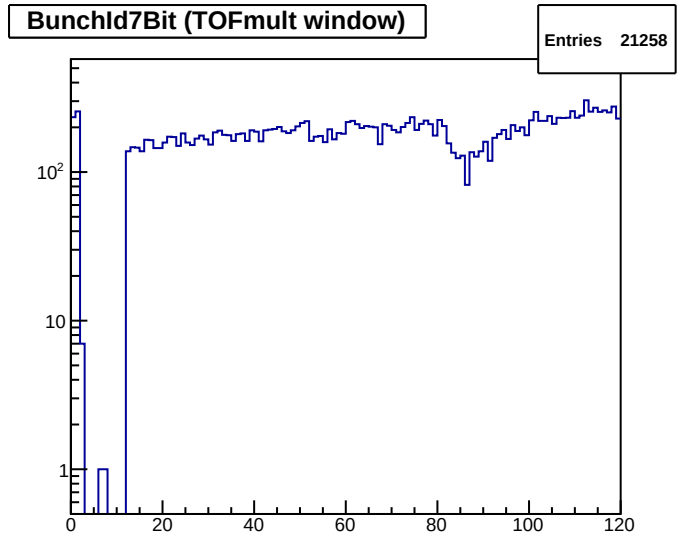

BunchId7Bit (VPD-TAC)
Entries 283340
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

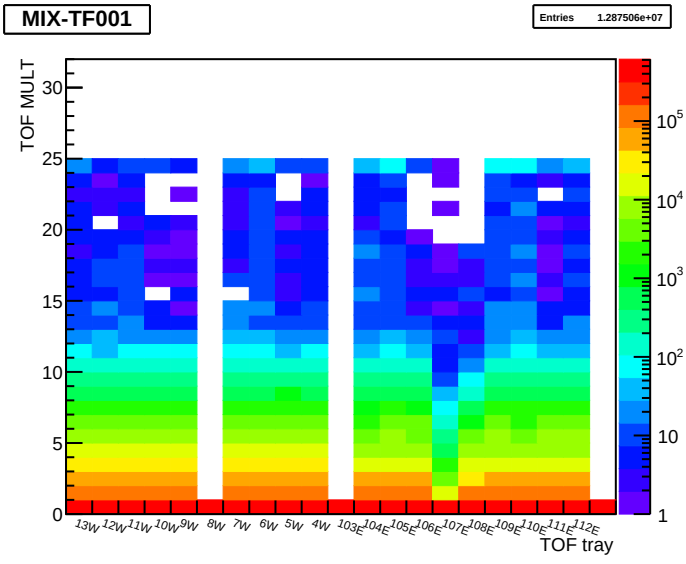

BunchId7Bit (ZDC-TAC)
Entries 806
10
1
0
20
40
60
80
100
120

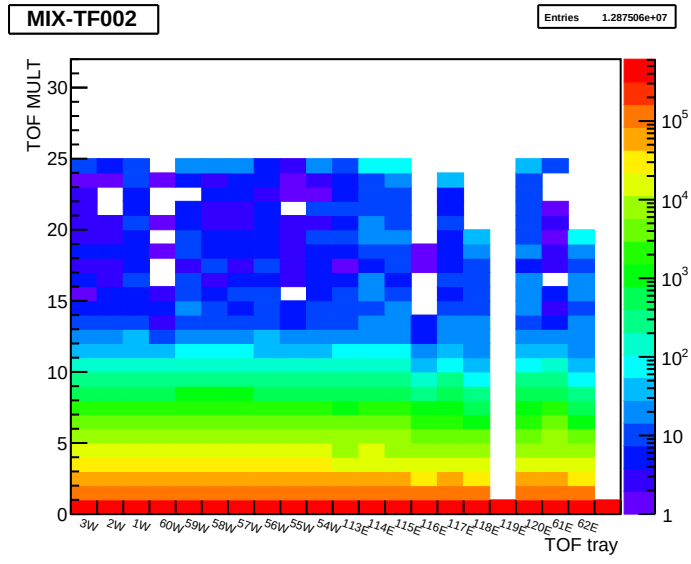

BunchId7Bit (EPD-TAC)
Entries 428400
$10^3$
$10^2$
10
0
20
40
60
80
100
120

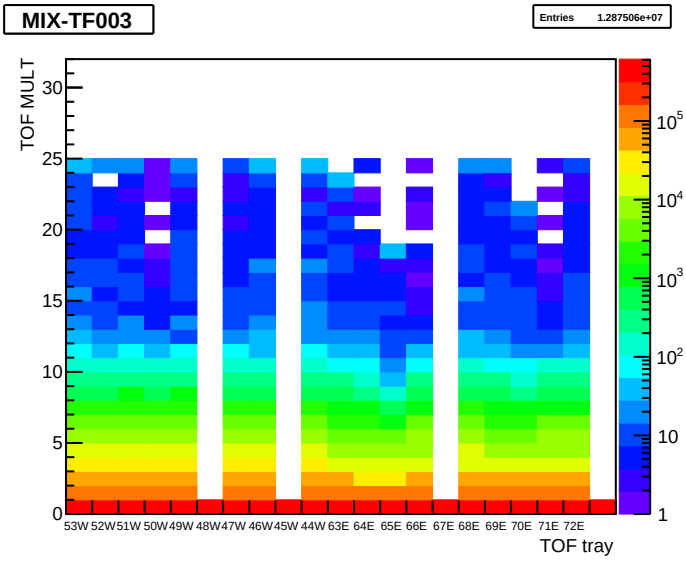

BunchId7Bit (BBC-TAC)
Entries 155028
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

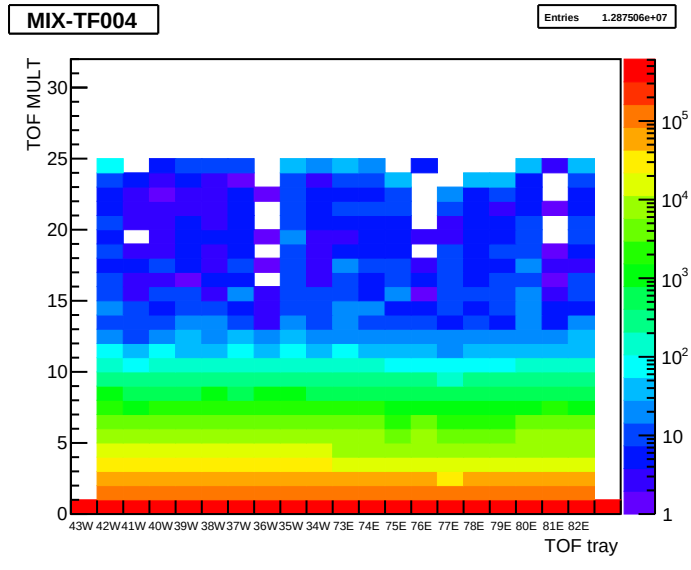

BunchId7Bit (Laser)
Entries 3646
0
20
40
60
80
100
120

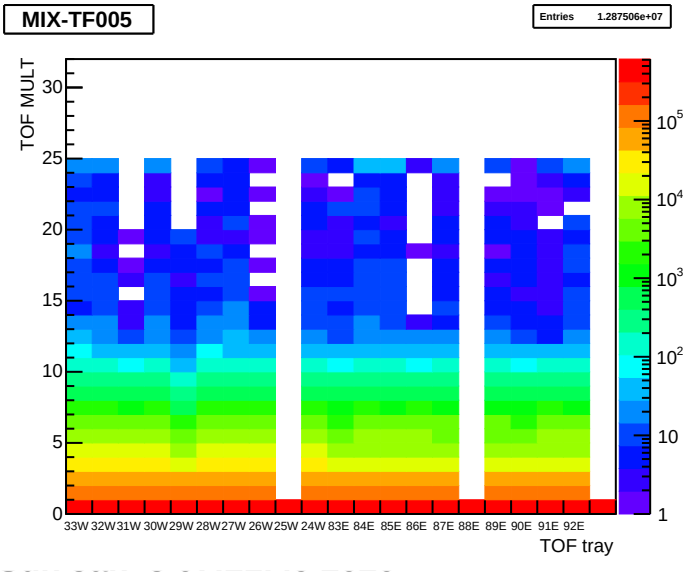

BunchId7Bit (TOFmult window)
Entries 21258
$10^2$
10
1
0
20
40
60
80
100
120

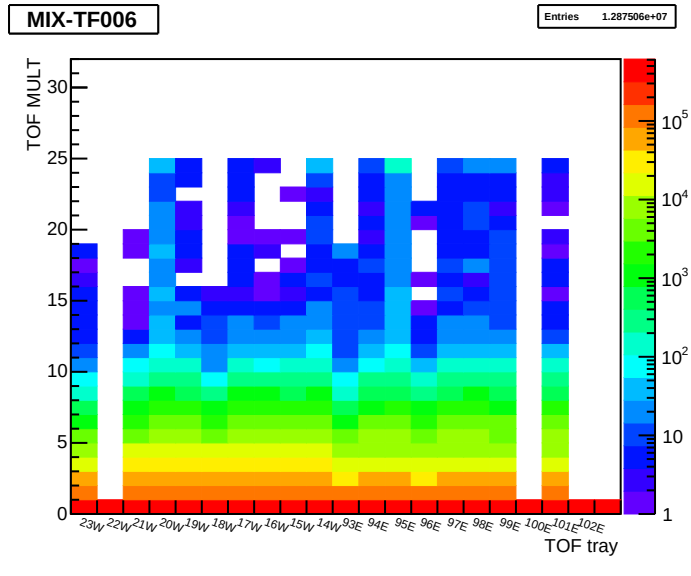

MIX-TF001
Entries 1.287506e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

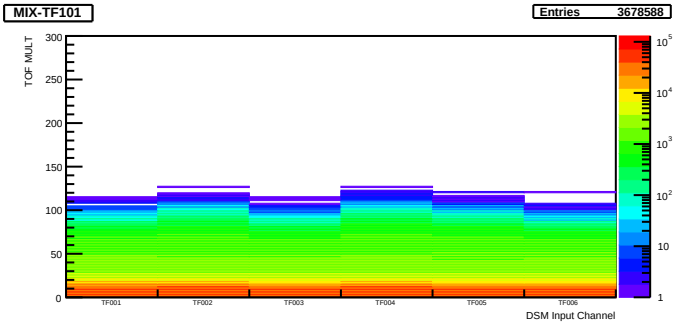

MIX-TF002
Entries 1.287506e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

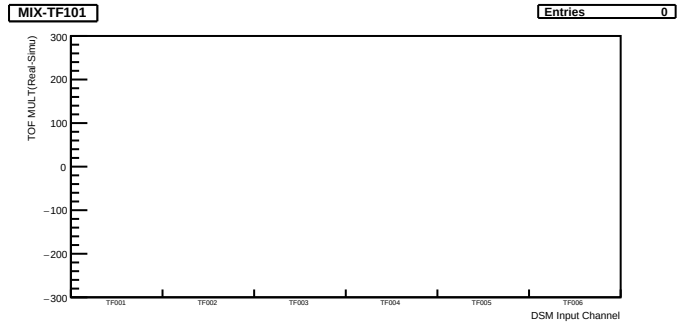

MIX-TF003
Entries 1.287506e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

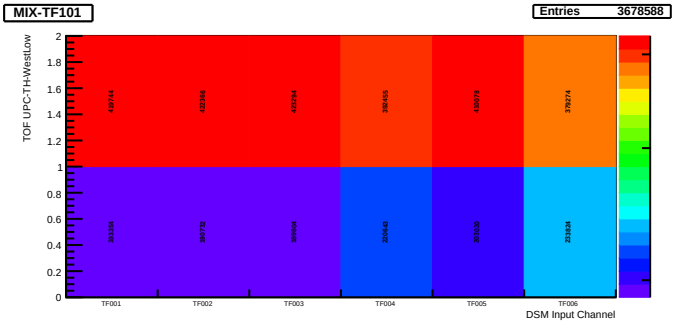

MIX-TF004
Entries 1.287506e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

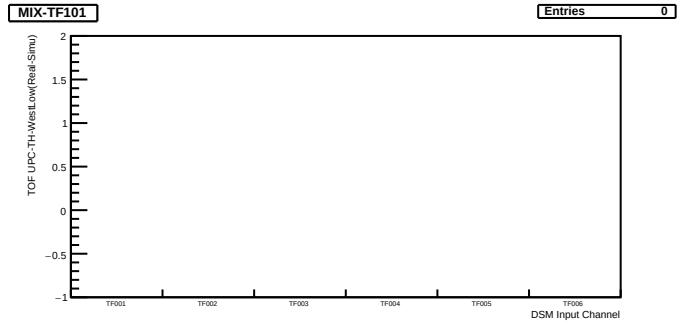

MIX-TF005
Entries 1.287506e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

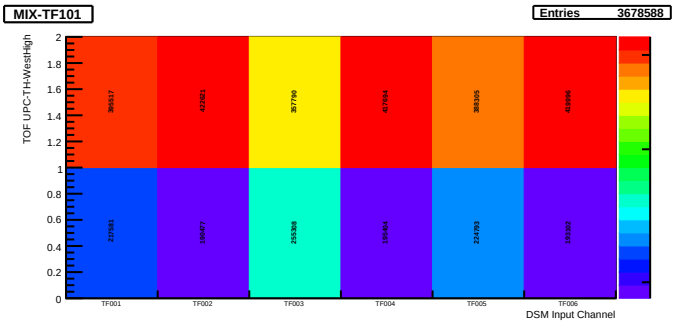

MIX-TF006
Entries 1.287506e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

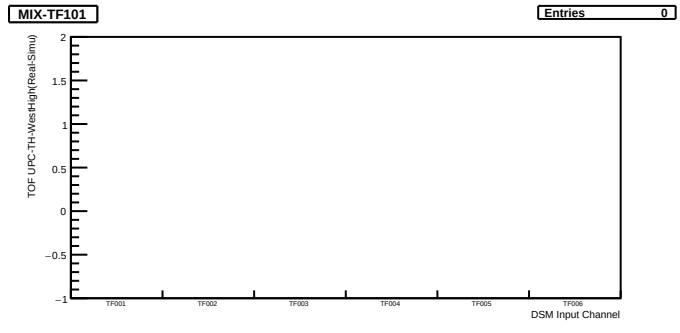

MIX-TF101
Entries 3678588
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

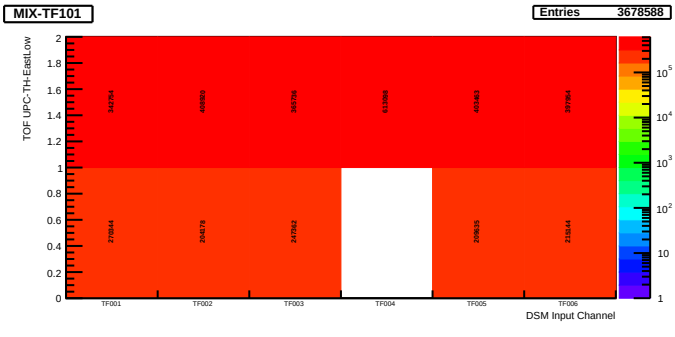

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

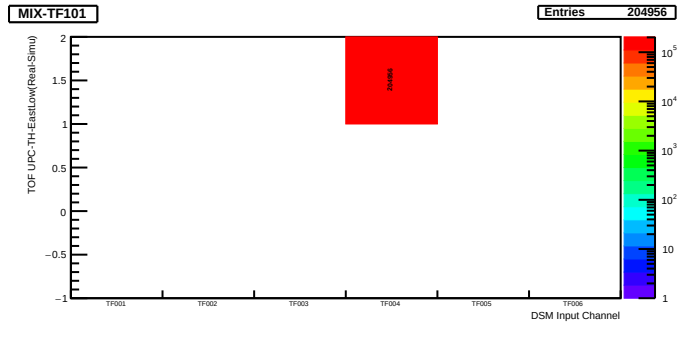

MIX-TF101
Entries 3678588
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

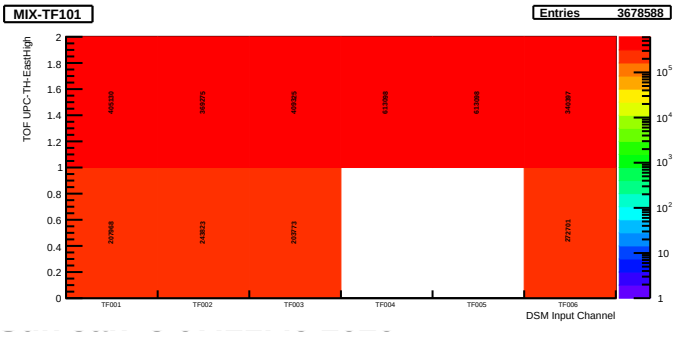

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

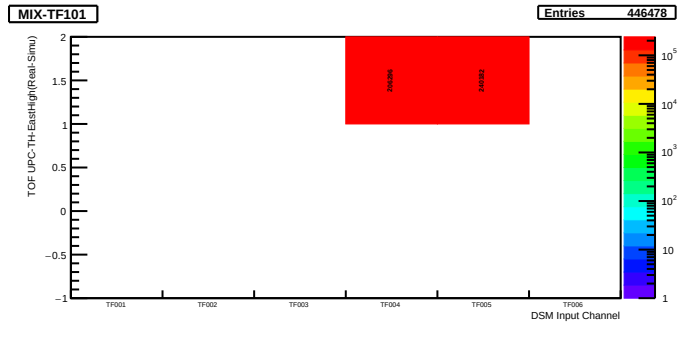

MIX-TF101
Entries 3678588
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

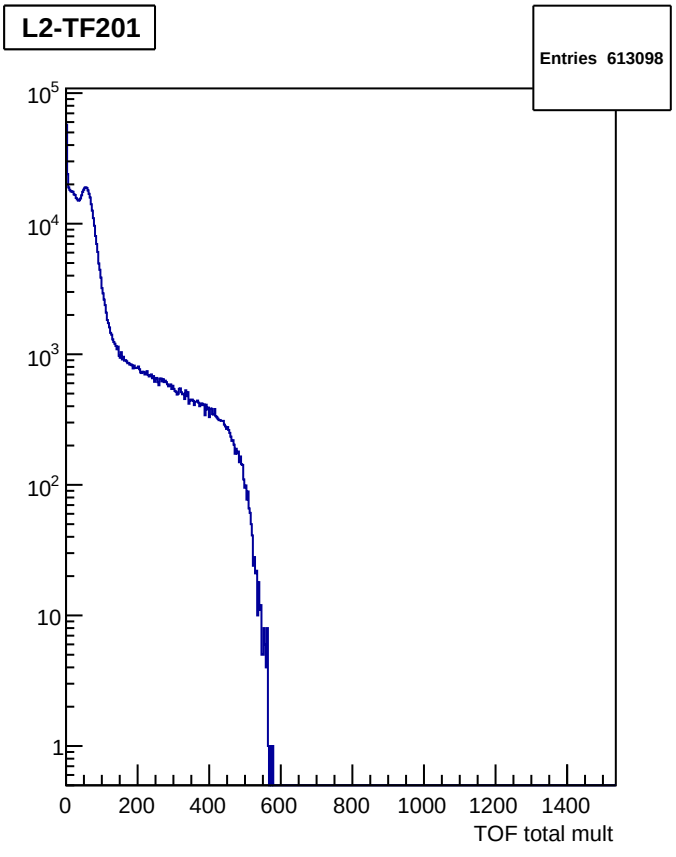

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

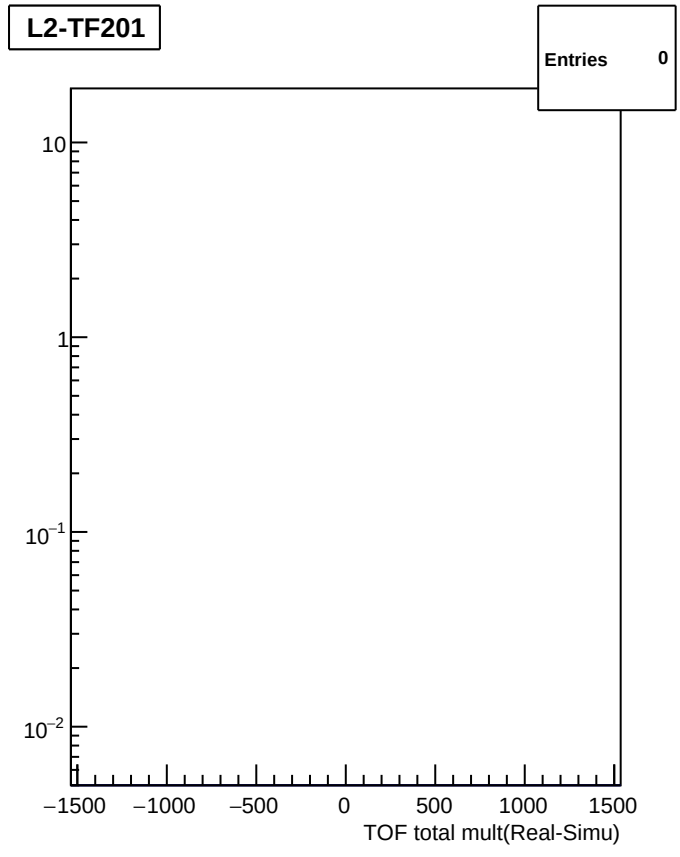

MIX-TF101
Entries 3678588
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

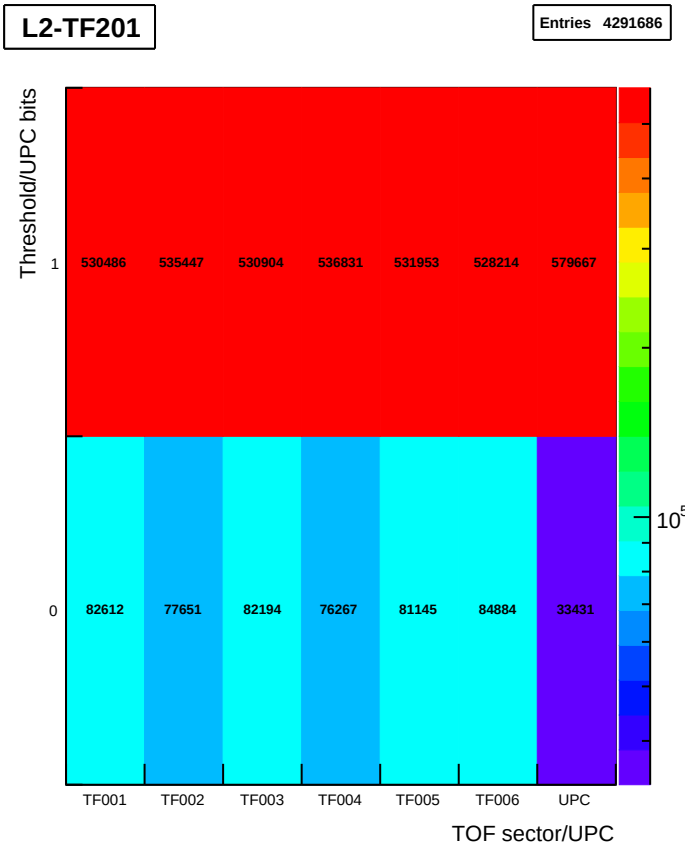

MIX-TF101
Entries 204956
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

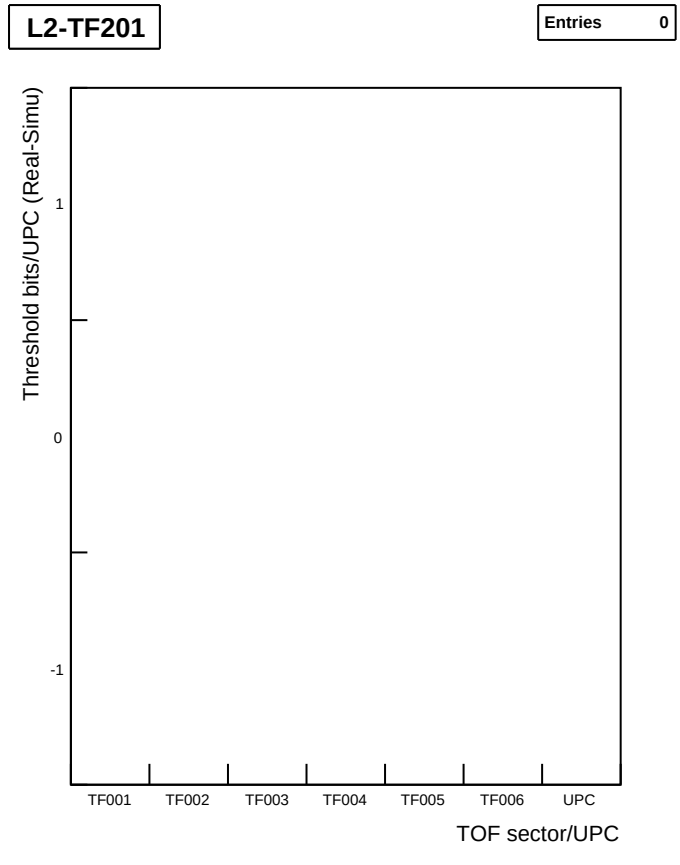

MIX-TF101
Entries 3678588
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

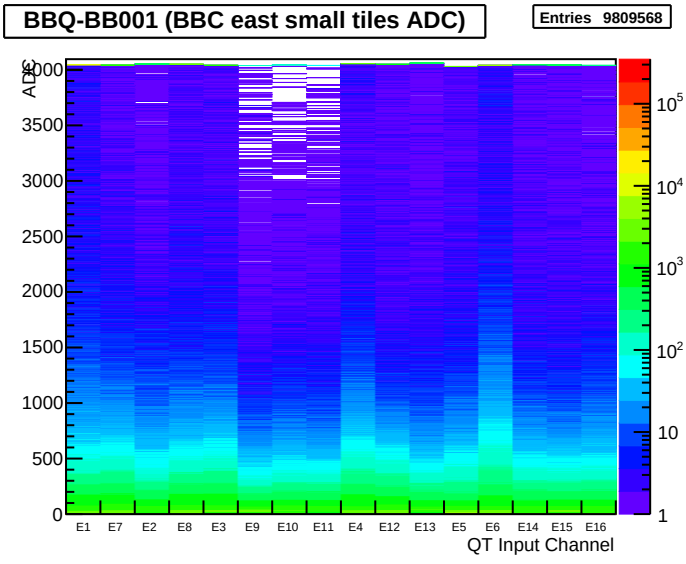

MIX-TF101
Entries 446478
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

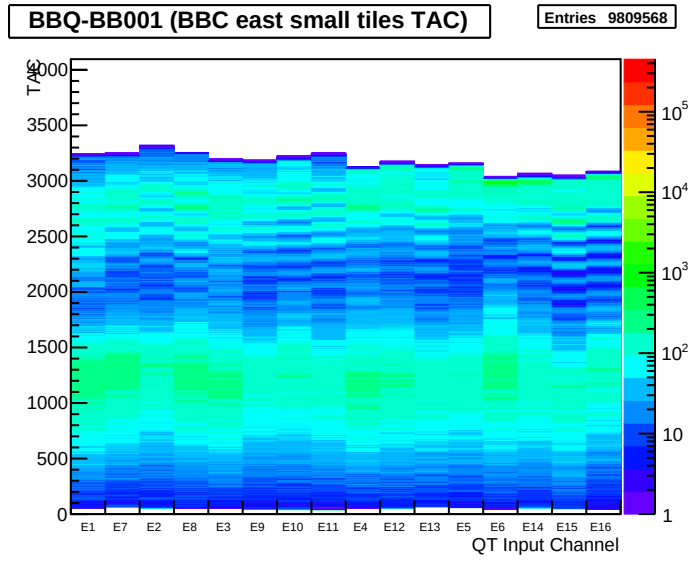

L2-TF201
Entries 613098
TOF total mult

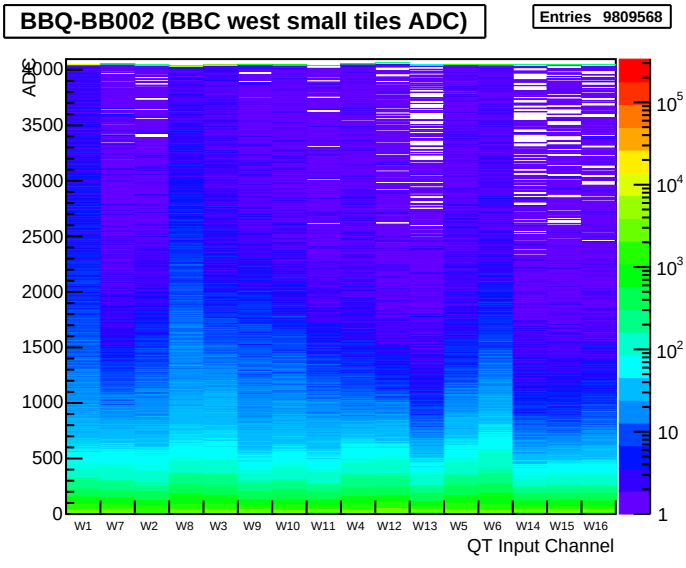

L2-TF201
Entries 0
TOF total mult(Real-Simu)

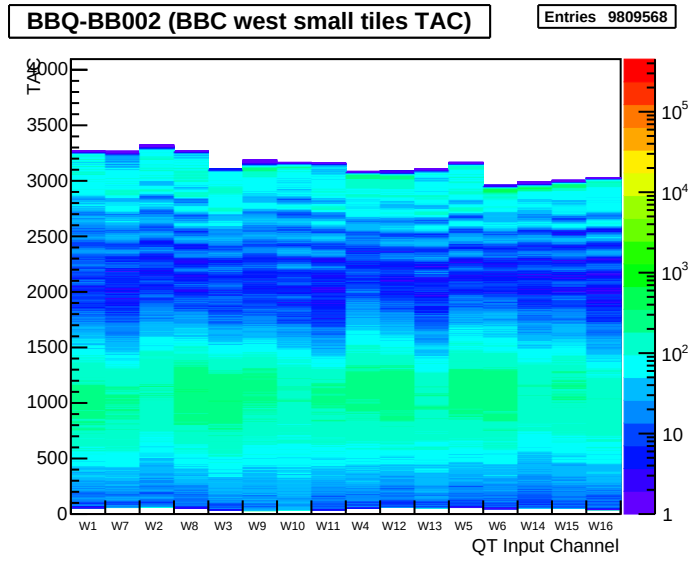

L2-TF201
Entries 4291686
Threshold/UPC bits
530486
535447
530904
536831
531953
528214
579667
82612
77651
82194
76267
81145
84884
33431
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

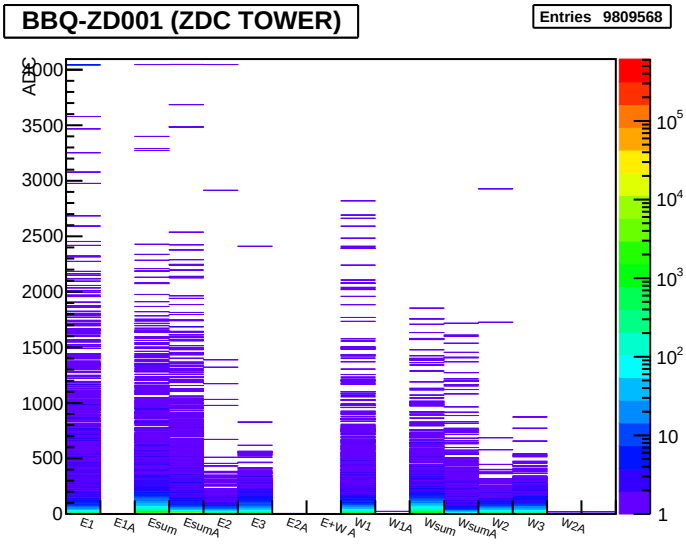

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

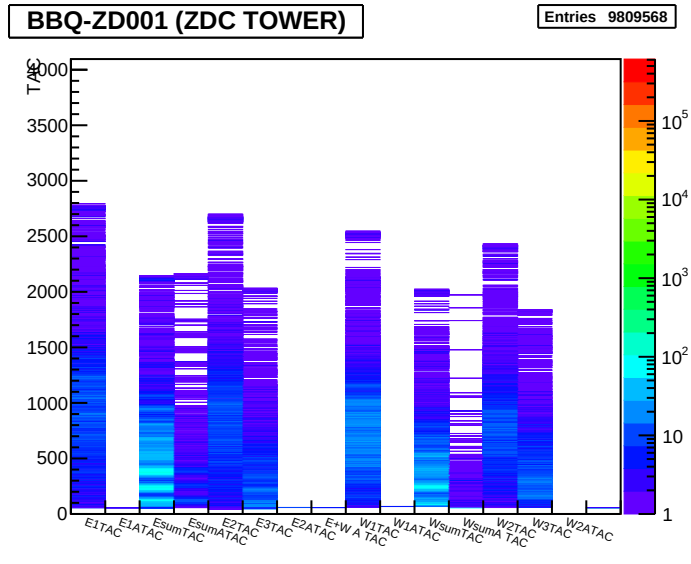

BBQ-BB001 (BBC east small tiles ADC)
Entries 9809568
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

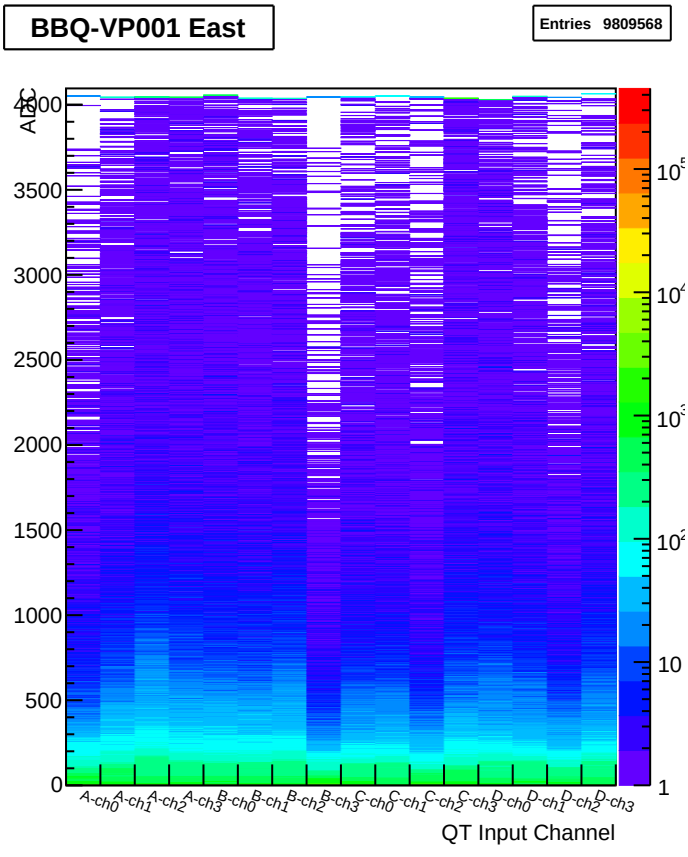

BBQ-BB001 (BBC east small tiles TAC)
Entries 9809568
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

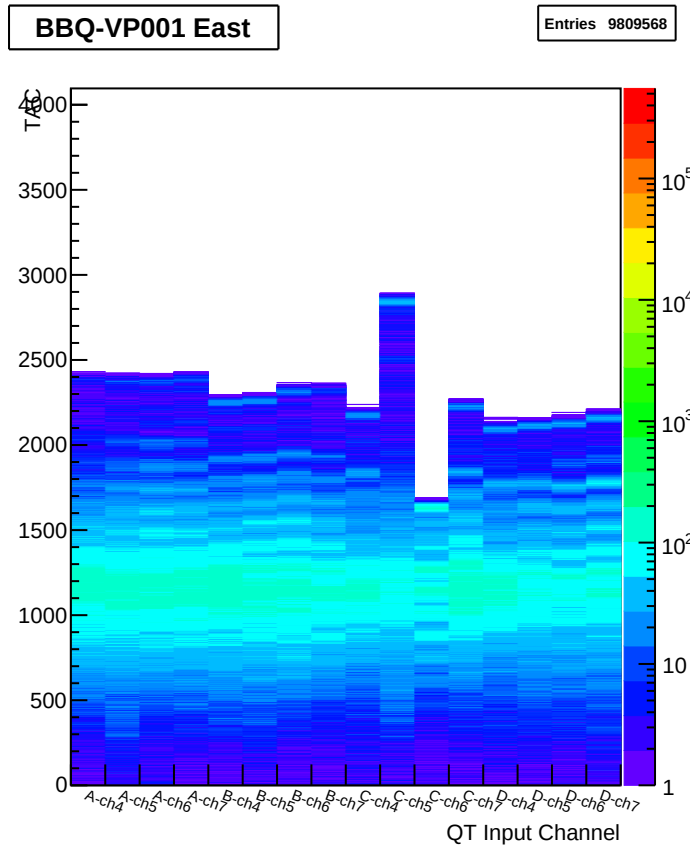

BBQ-BB002 (BBC west small tiles ADC)
Entries 9809568
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

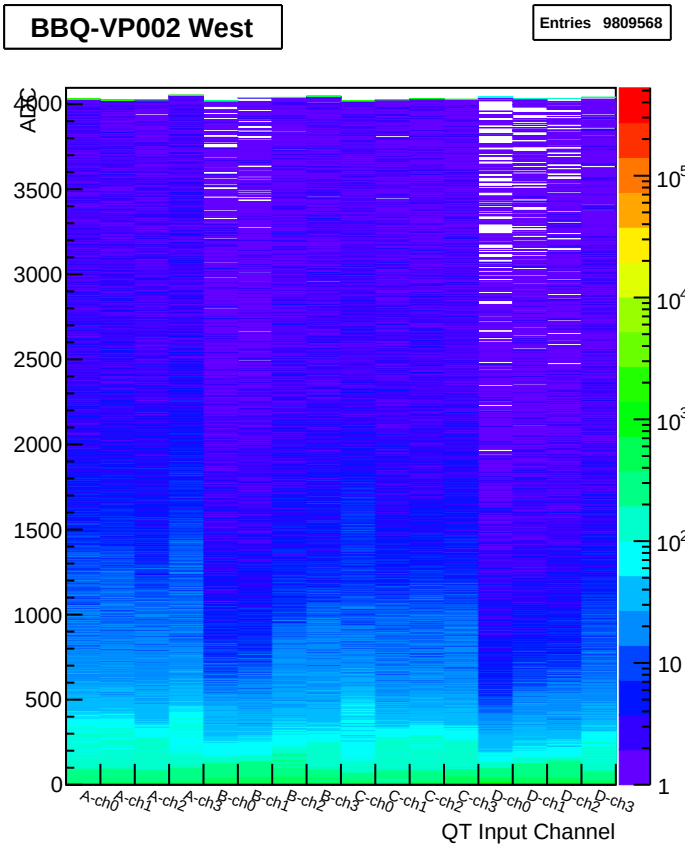

BBQ-BB002 (BBC west small tiles TAC)
Entries 9809568
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

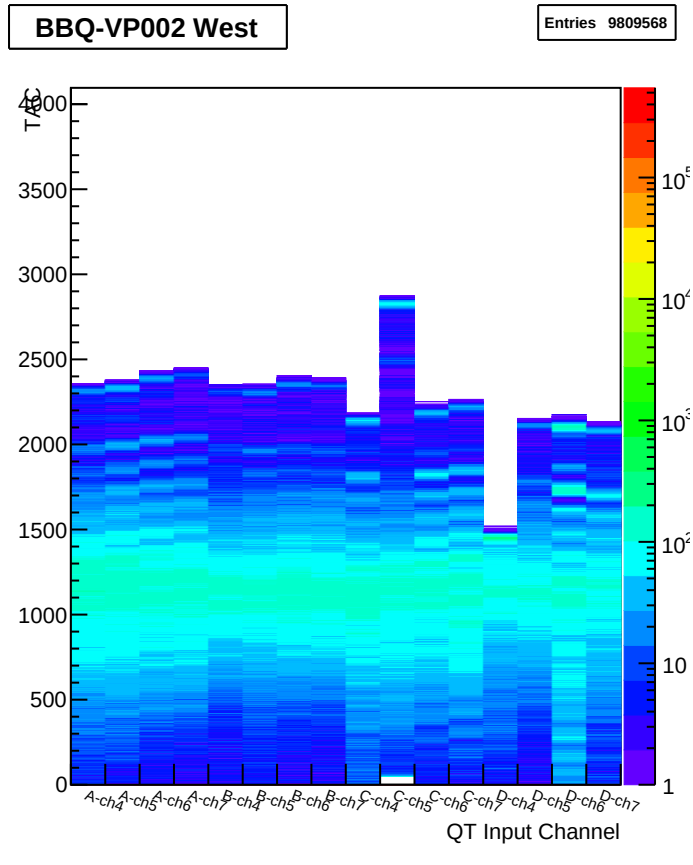

BBQ-ZD001 (ZDC TOWER)
Entries 9809568
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

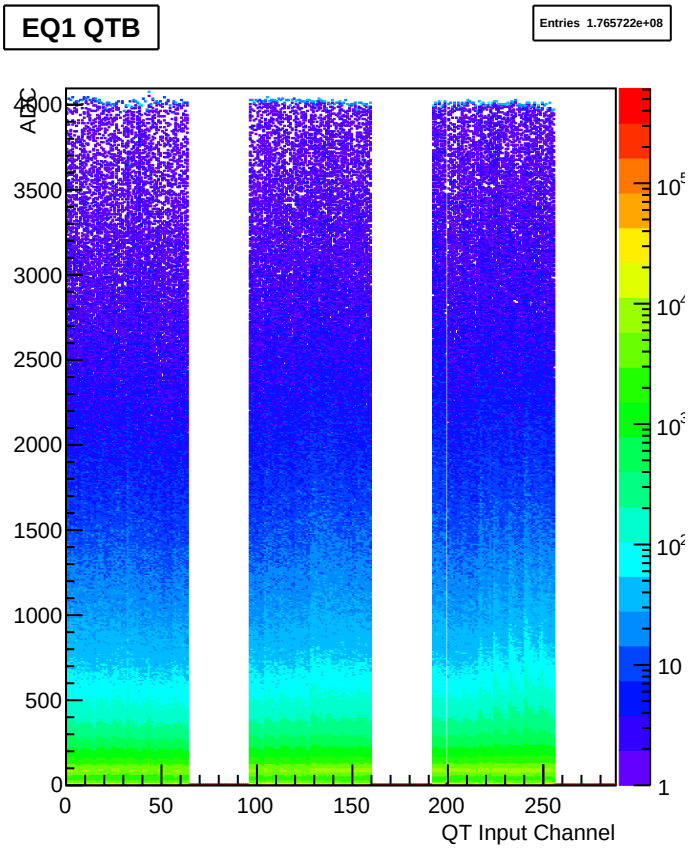

BBQ-ZD001 (ZDC TOWER)
Entries 9809568
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

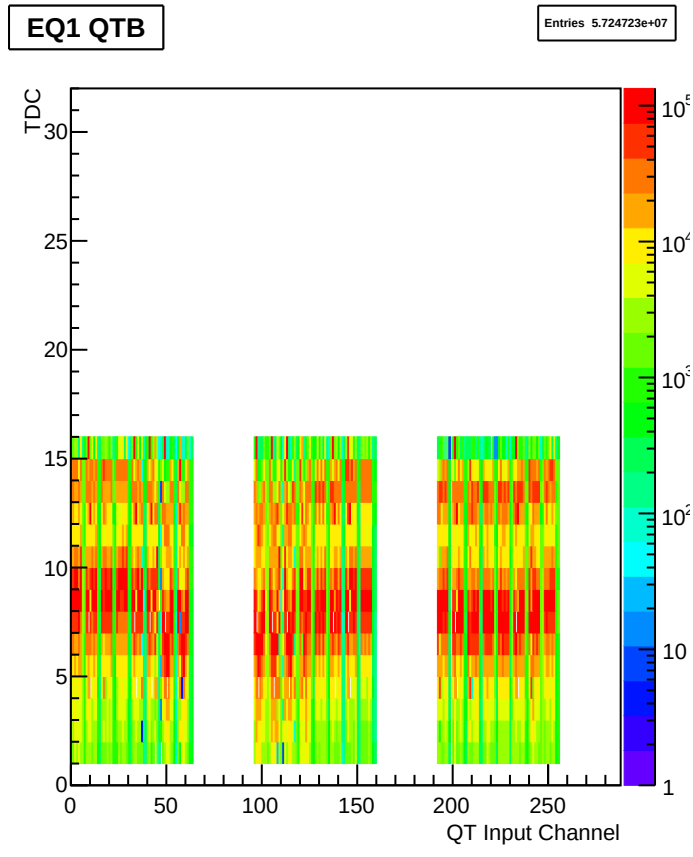

BBQ-VP001 East
Entries 9809568
ADC
QT Input Channel

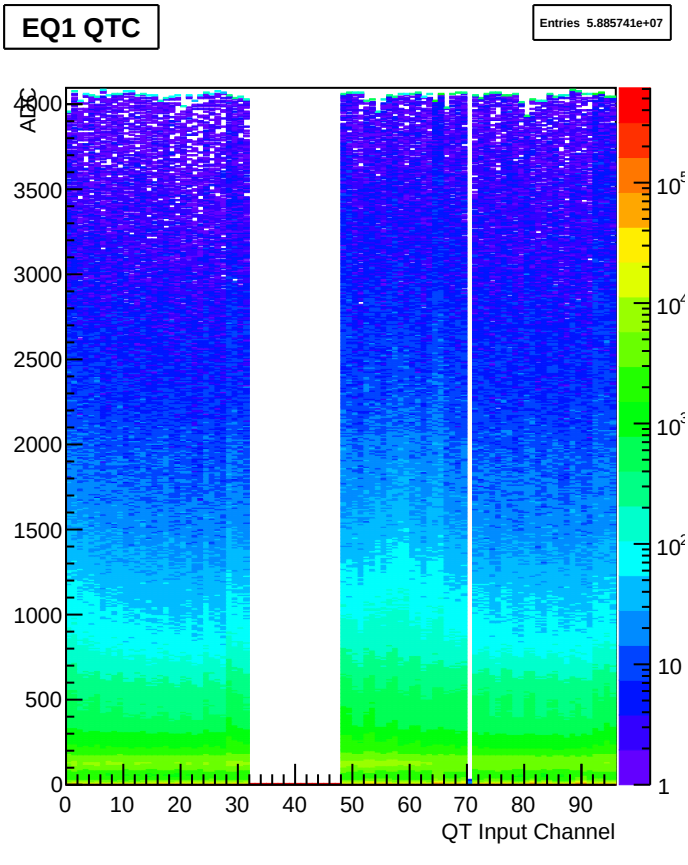

BBQ-VP001 East
Entries 9809568
TAC
QT Input Channel

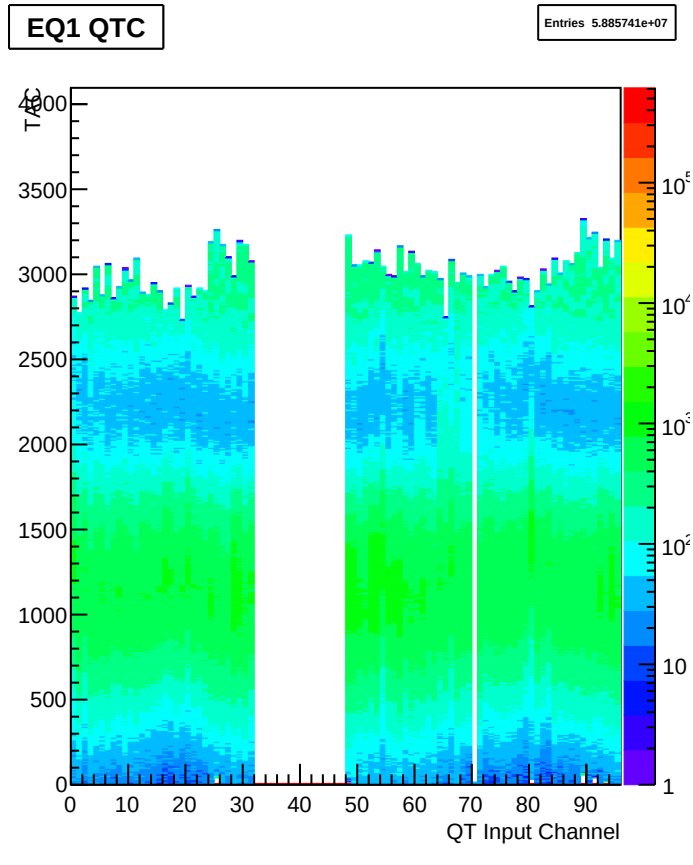

BBQ-VP002 West
Entries 9809568
ADC
QT Input Channel

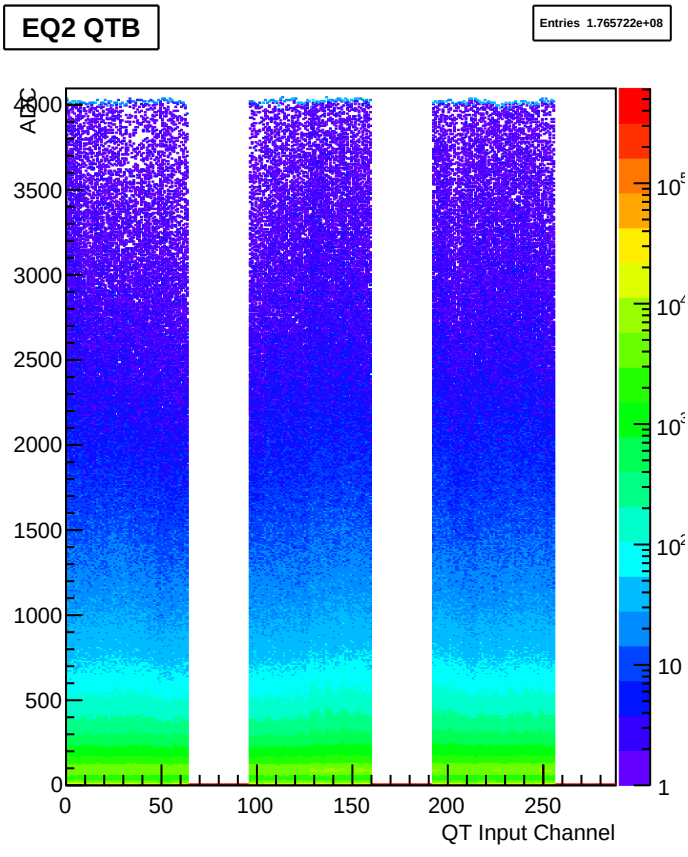

BBQ-VP002 West
Entries 9809568
TAC
QT Input Channel

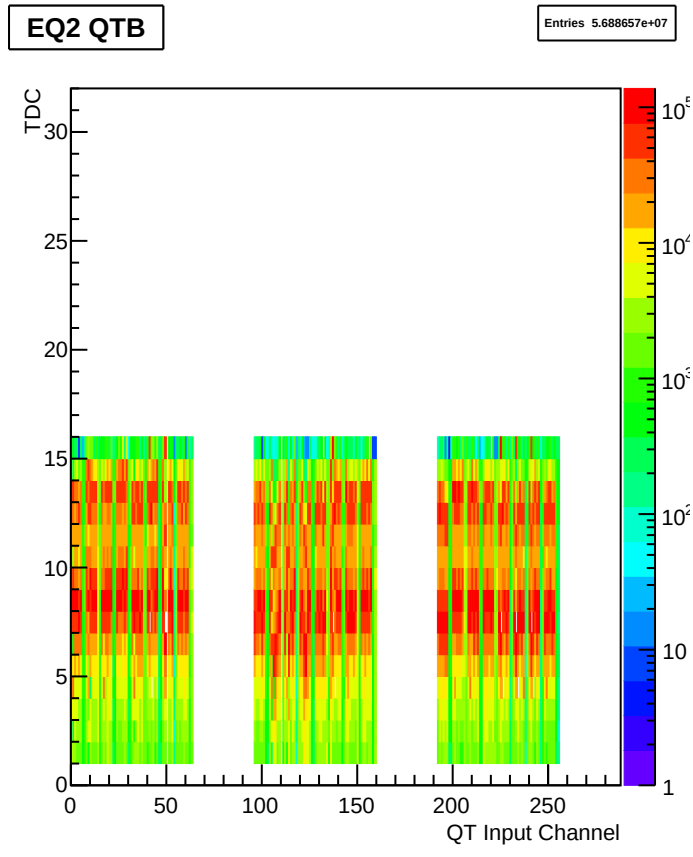

EQ1 QTB
Entries 1.765722e+08
ADC
QT Input Channel

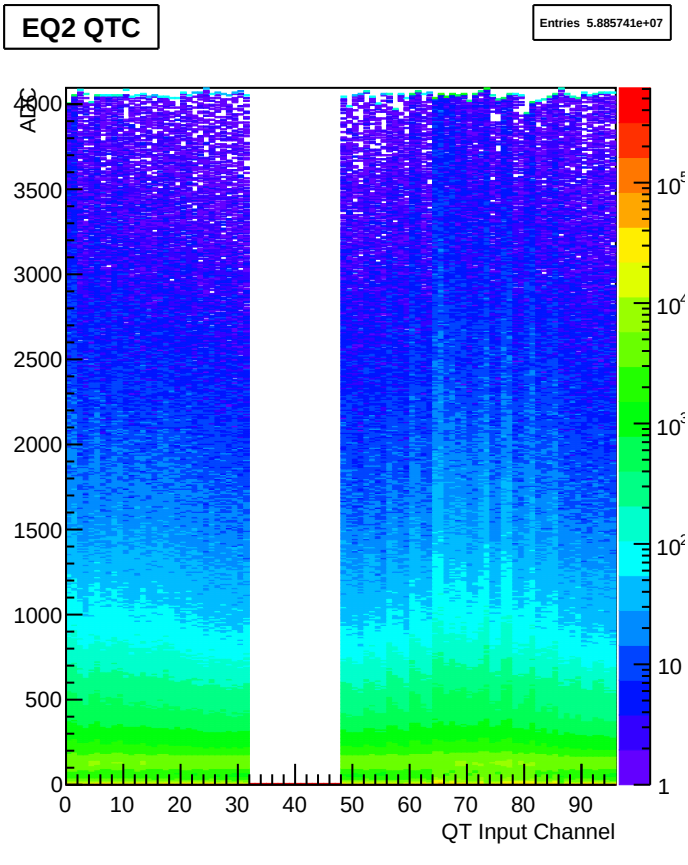

EQ1 QTB
Entries 5.724723e+07
TDC
QT Input Channel

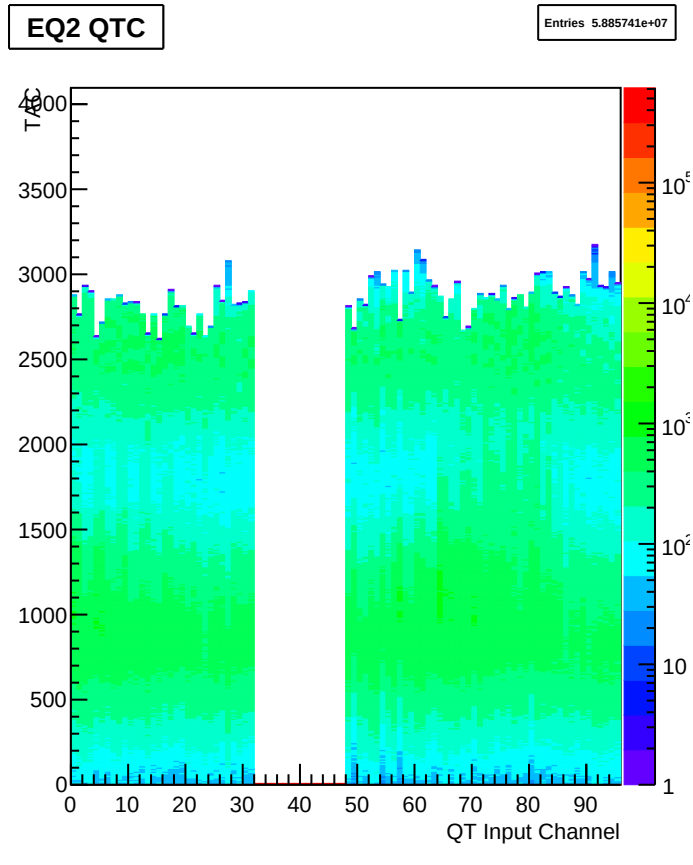

EQ1 QTC
Entries 5.885741e+07
ADC
QT Input Channel

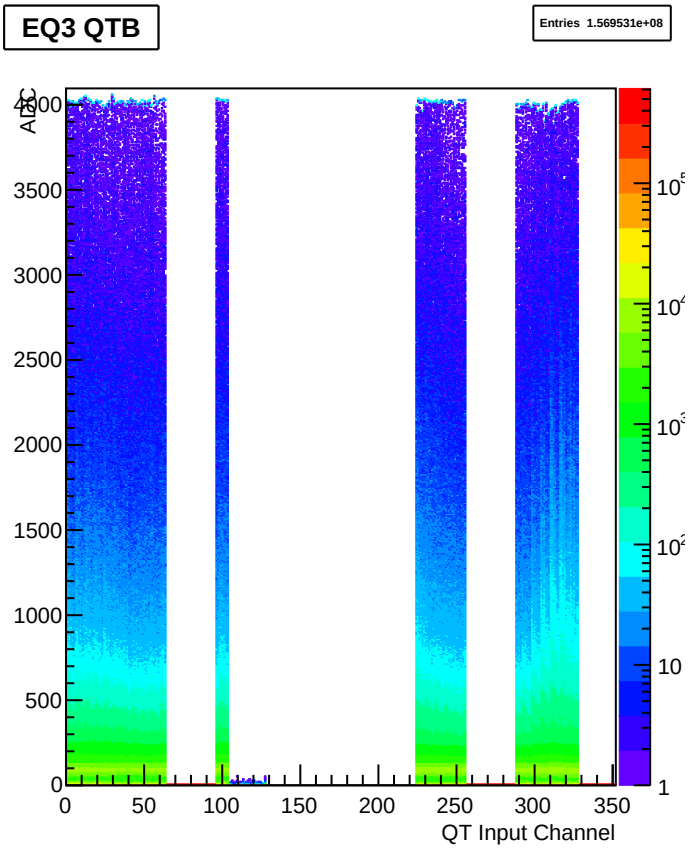

EQ1 QTC
Entries 5.885741e+07
TADC
QT Input Channel

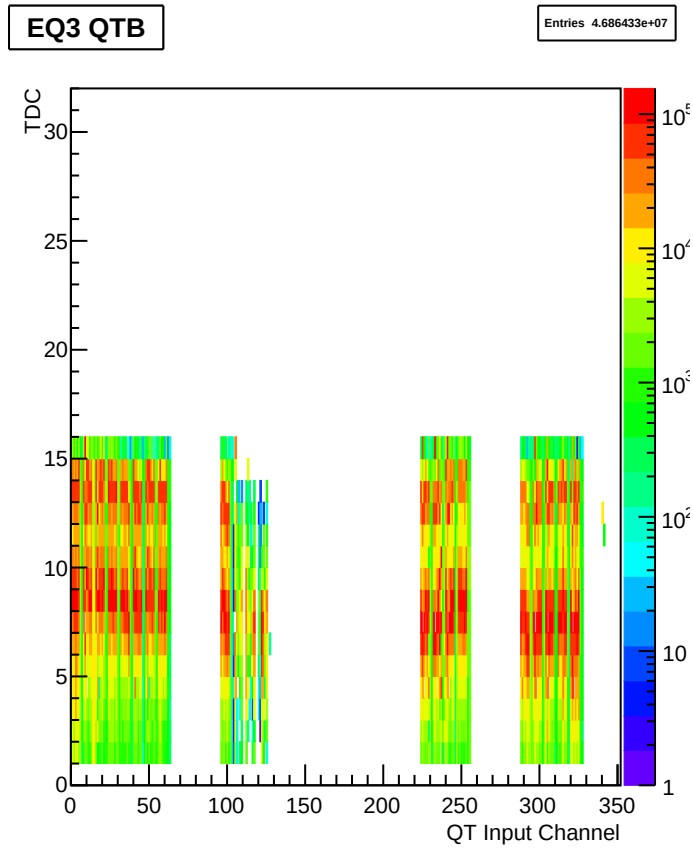

EQ2 QTB
Entries 1.765722e+08
ADC
QT Input Channel

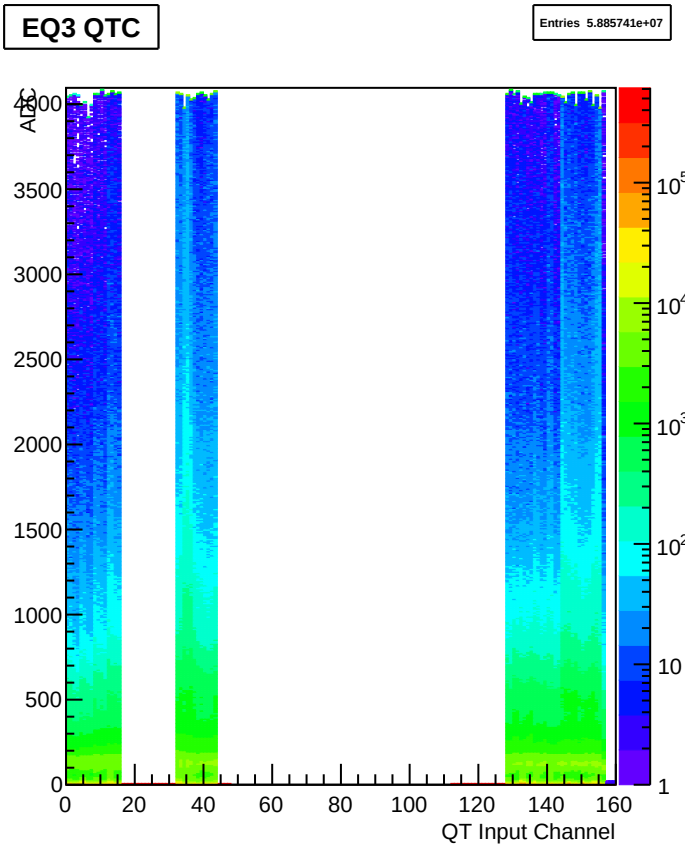

EQ2 QTB
Entries 5.688657e+07
TDC
QT Input Channel

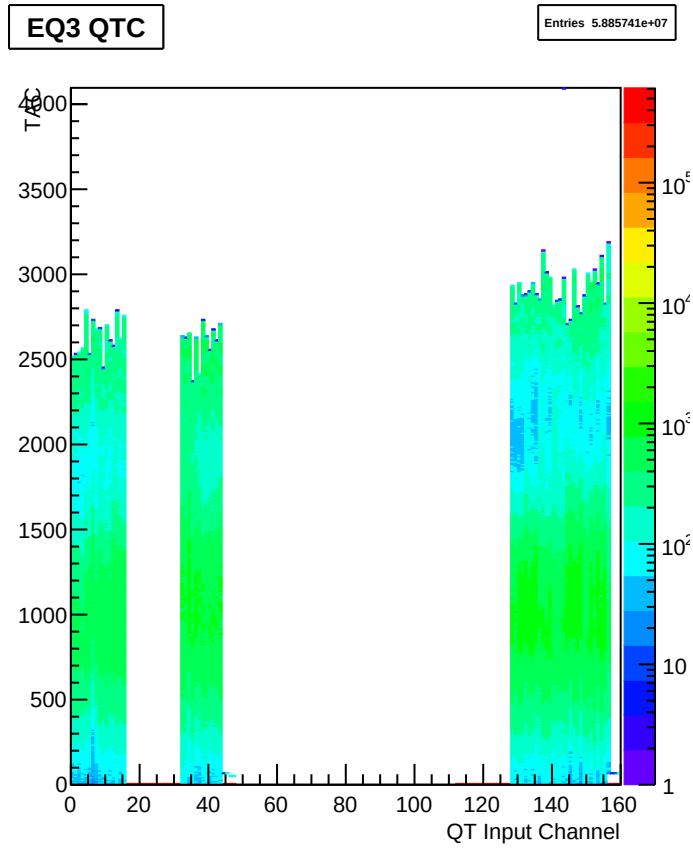

EQ2 QTC
Entries 5.885741e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.885741e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.569531e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.686433e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.885741e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.885741e+07
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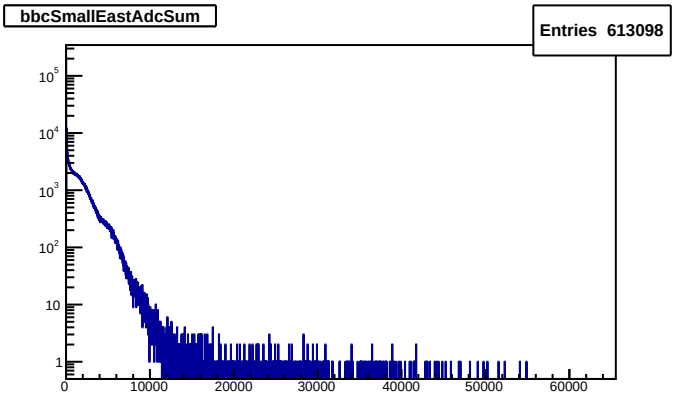
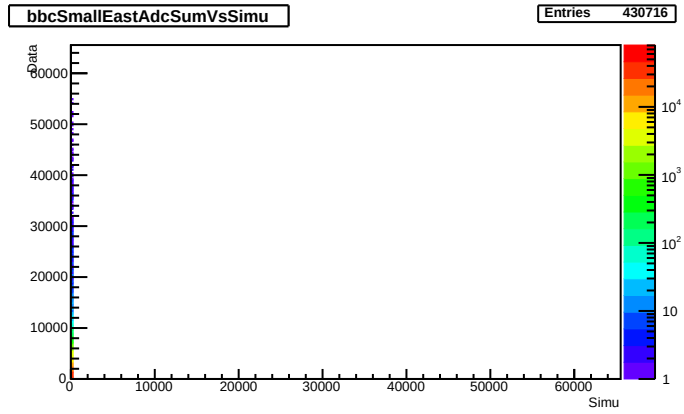
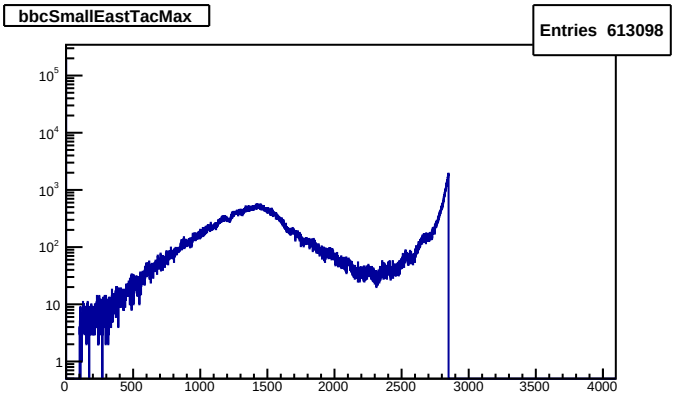
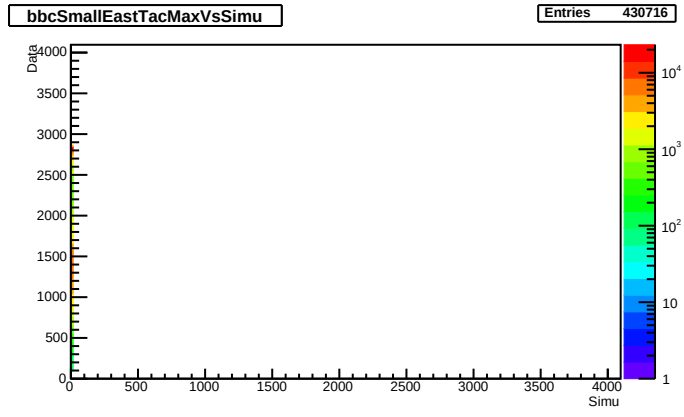
QT Input Channel


bbcSmallEastAdcSum
Entries 613098


bbcSmallEastAdcSumVsSimu
Entries 430716
Data
Simu


bbcSmallEastTacMax
Entries 613098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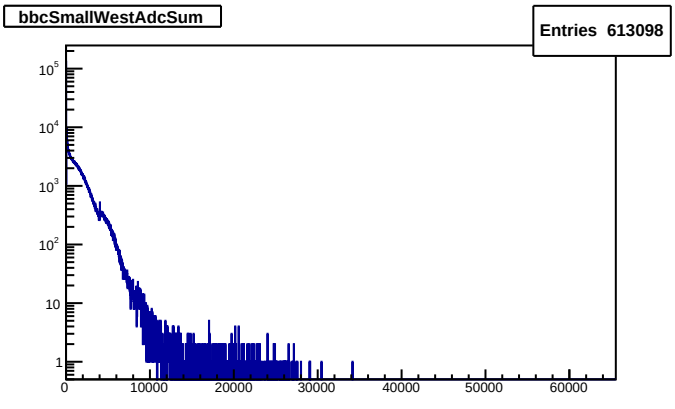
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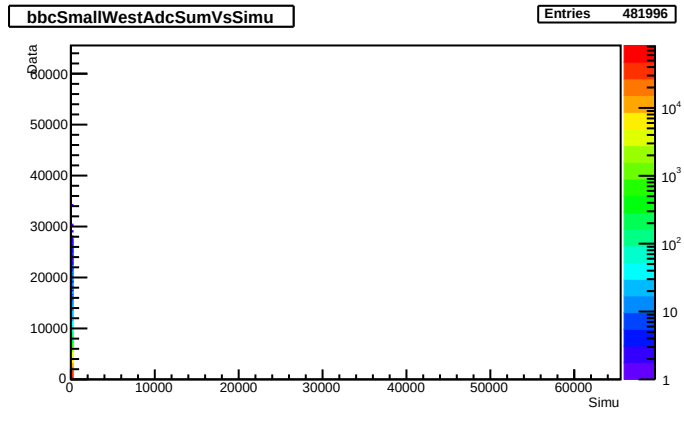
Entries 613098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Entries 481996
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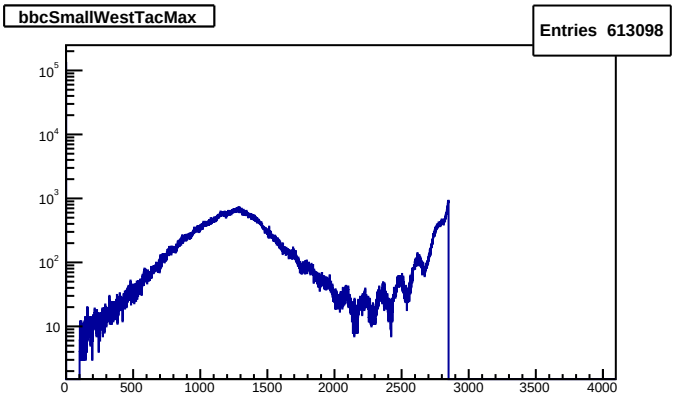
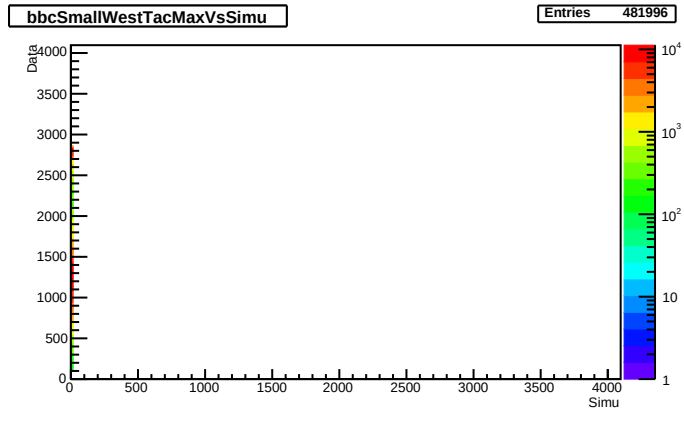

bbcSmallWestTacMax
Entries 613098


bbcSmallWestTacMaxVsSimu
Entries 481996
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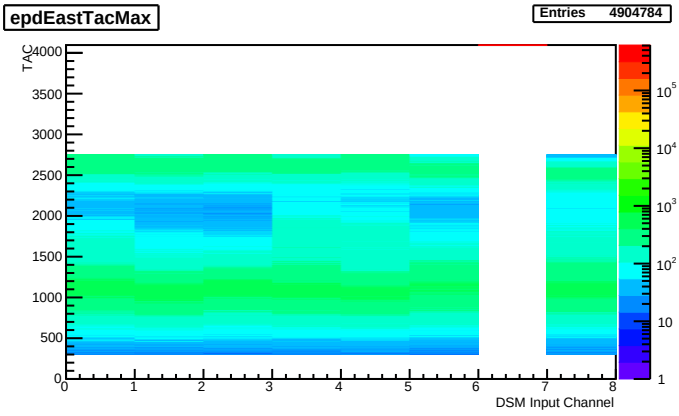
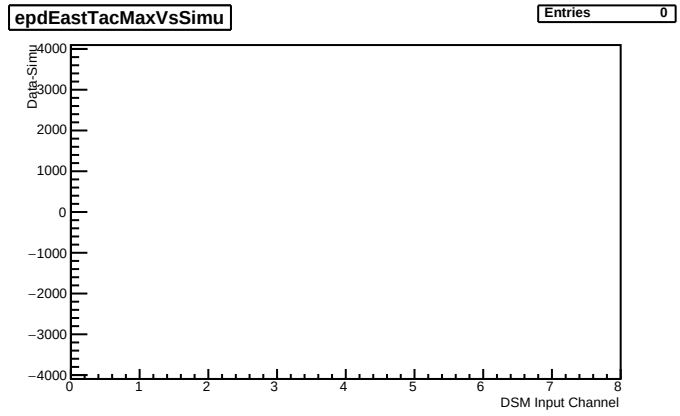
Simu


epdEastTacMax
Entries 4904784
TAC
DSM Input Channel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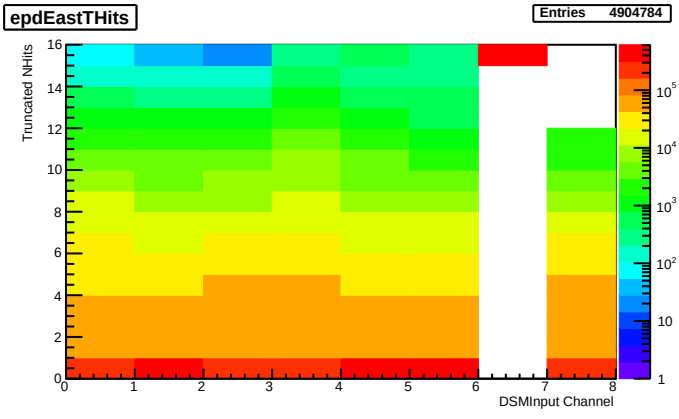
Entries 0
Data-Simu
DSM Input Channel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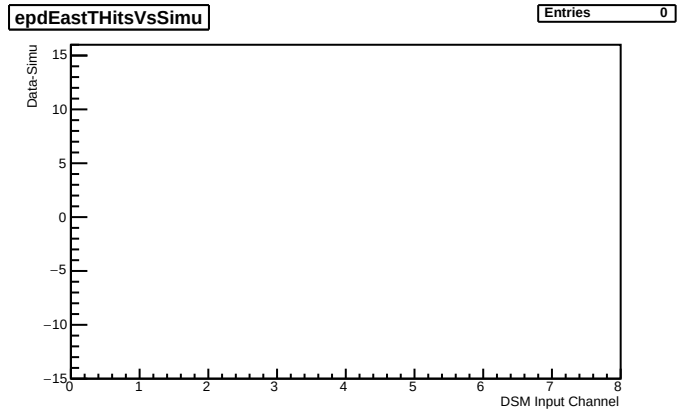
Entries 4904784
Truncated NHits
DSMInput Channel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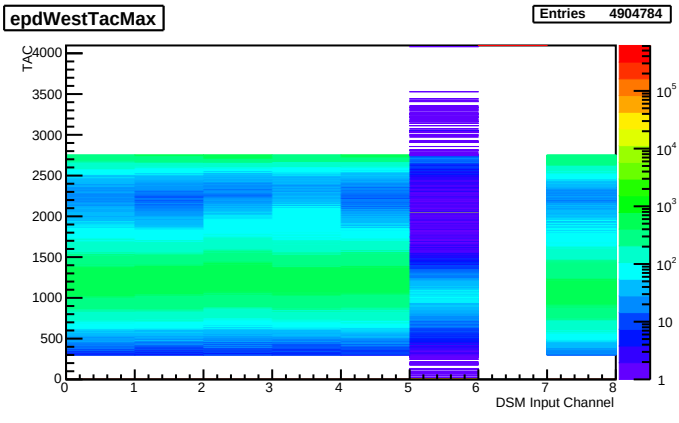
DSM Input Channel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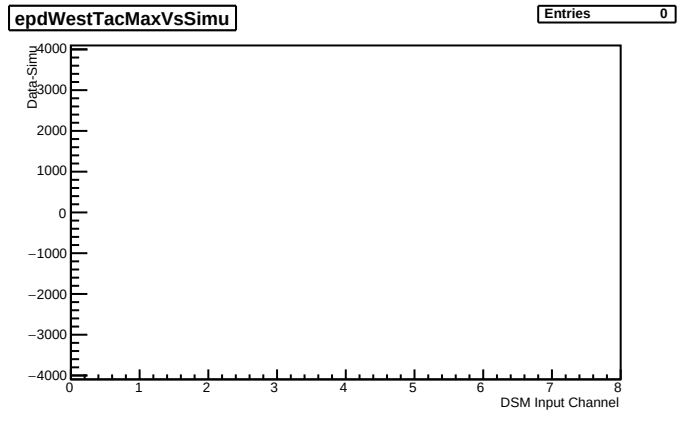
DSM Input Channel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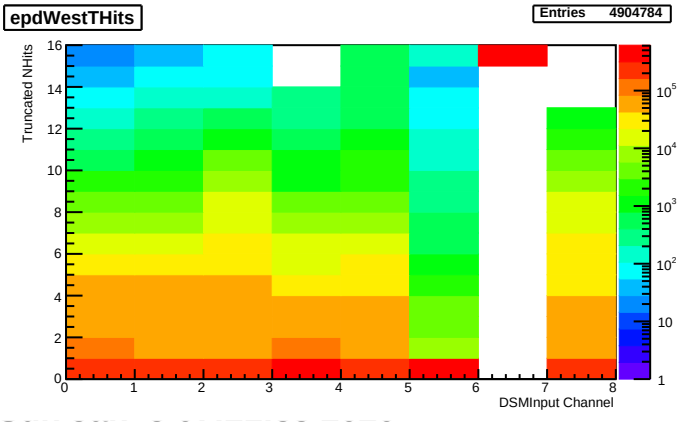
DSM Input Channel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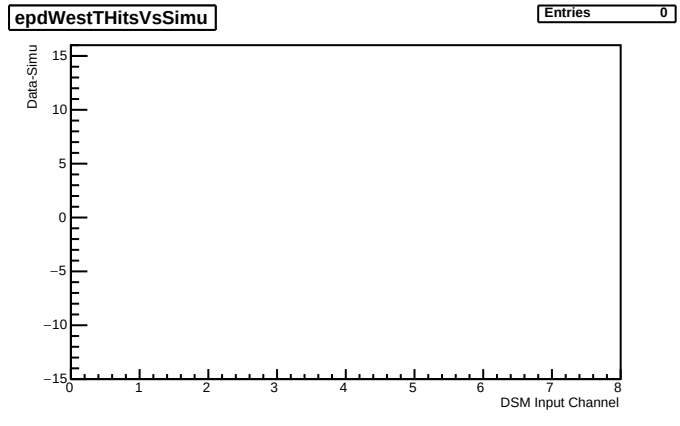
Truncated NHits
DSMInput Channel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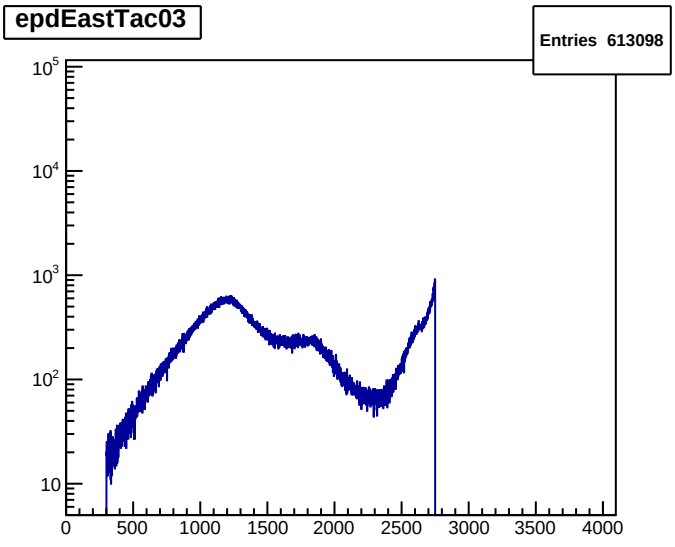
Data-Simu
DSM Input Channel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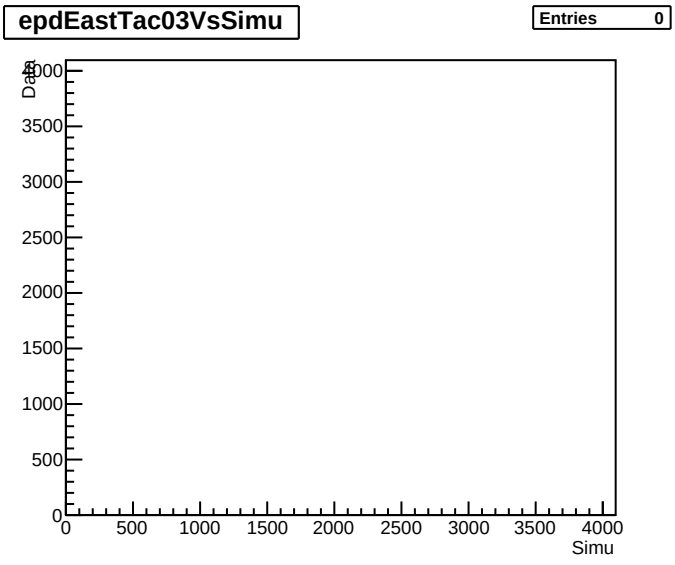
Entries 613098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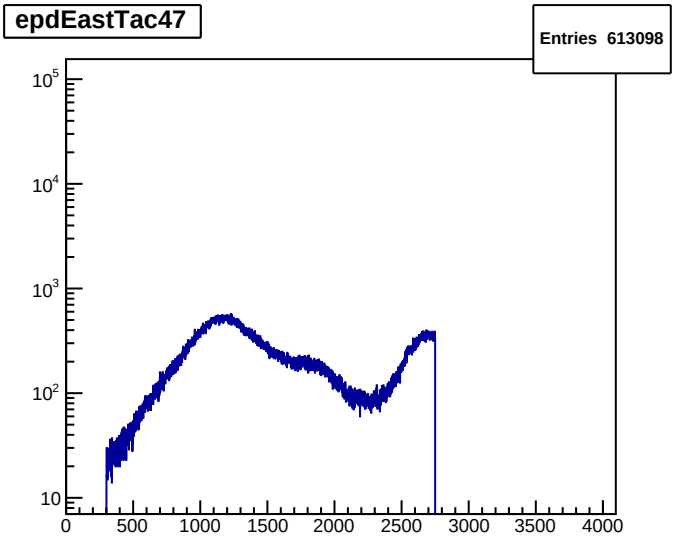
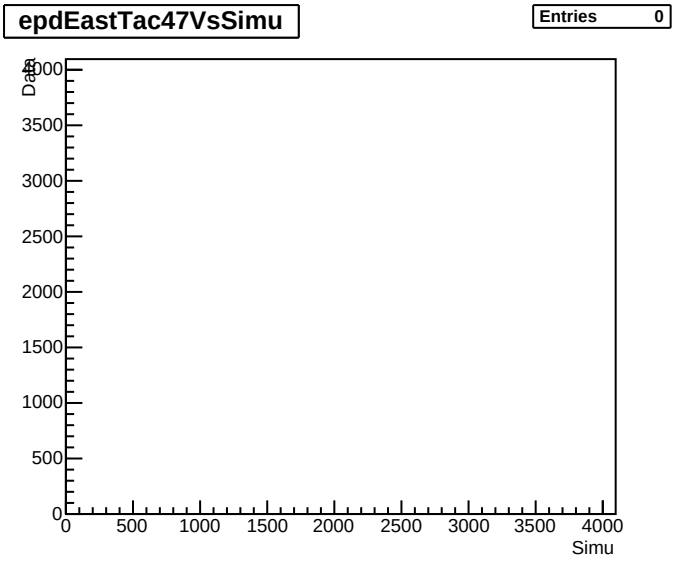
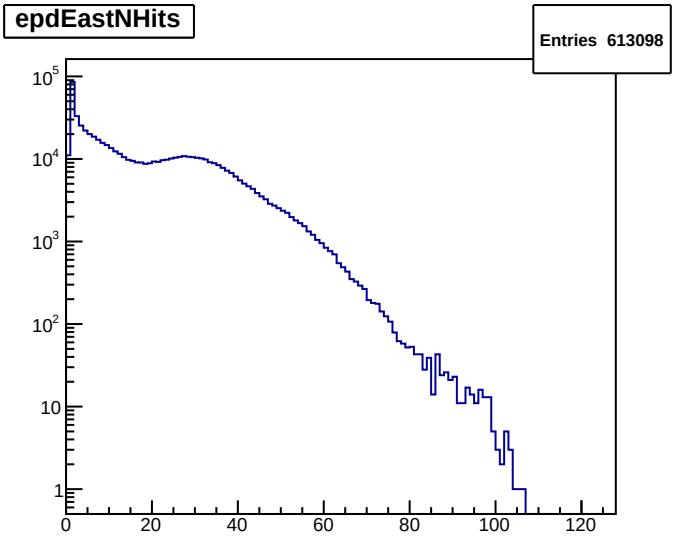
Entries 0
Data
Simu


epdEastTac47
Entries 613098


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
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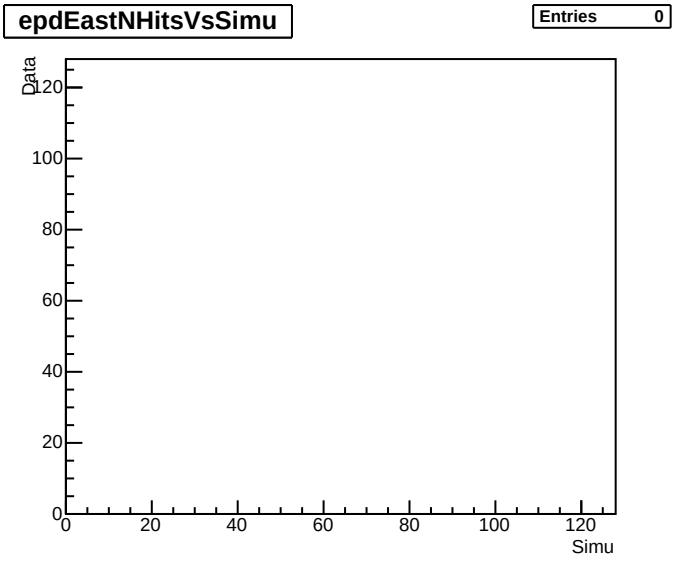
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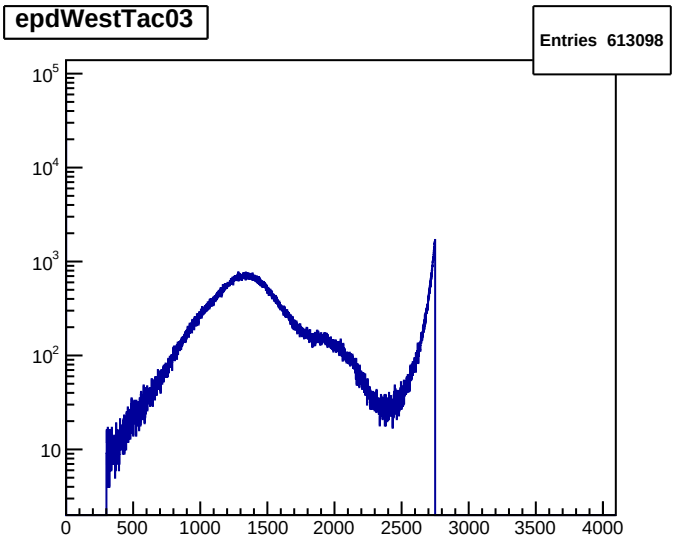
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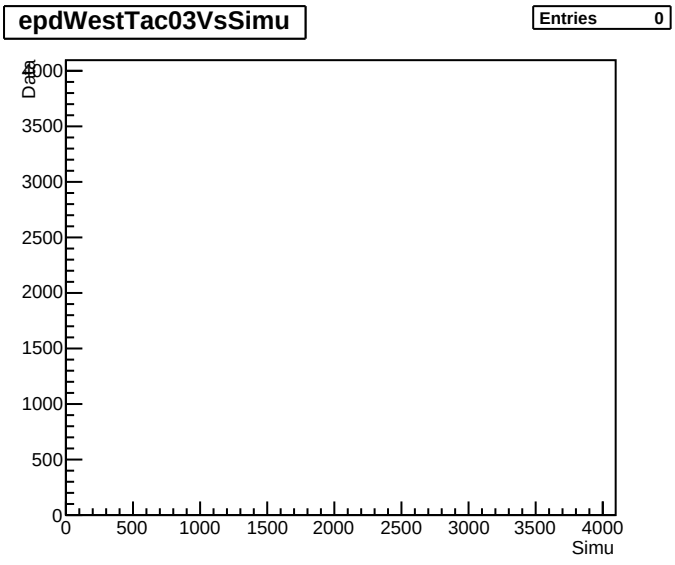
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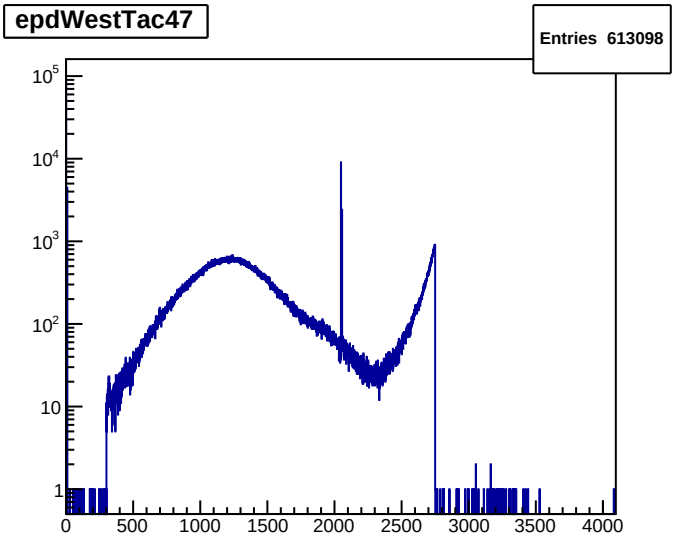
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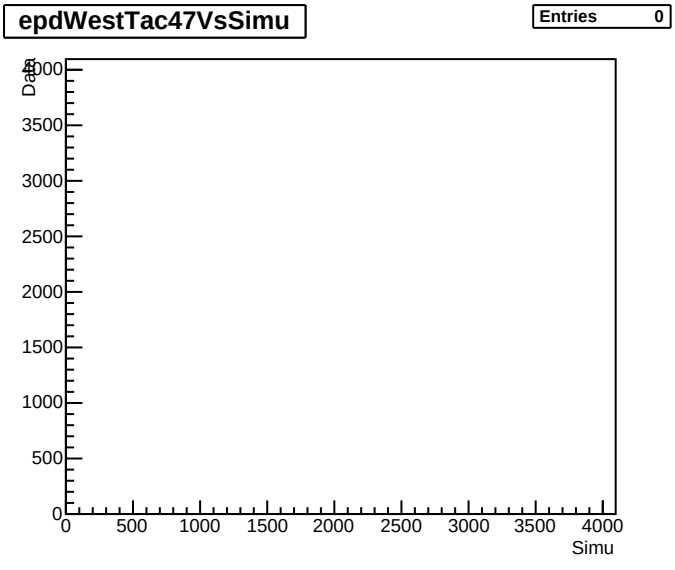
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Data
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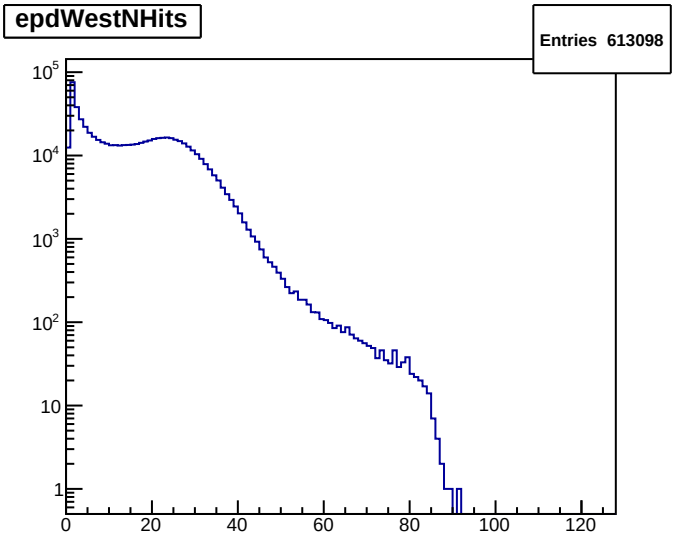
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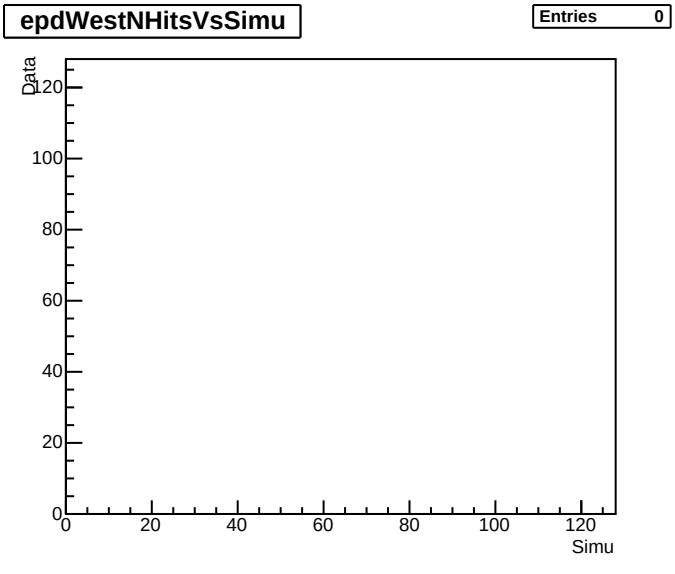
Entries 613098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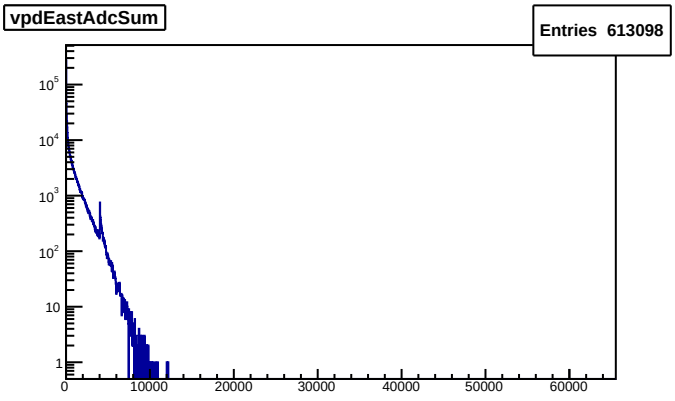
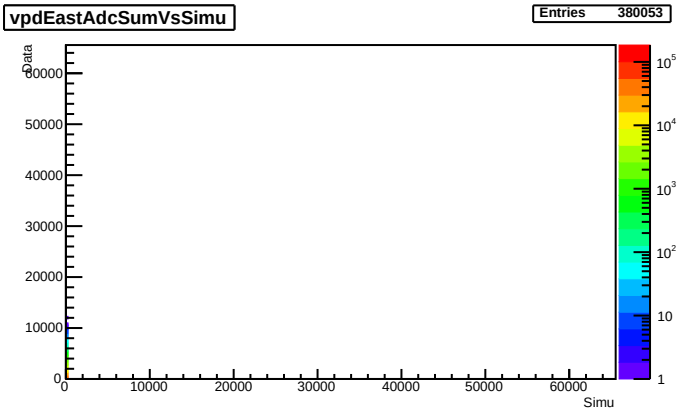
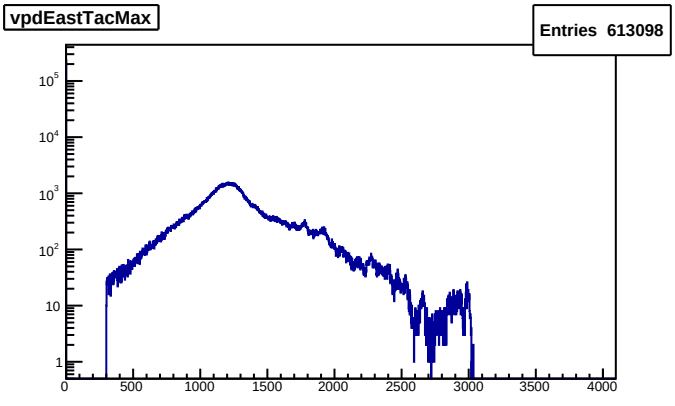
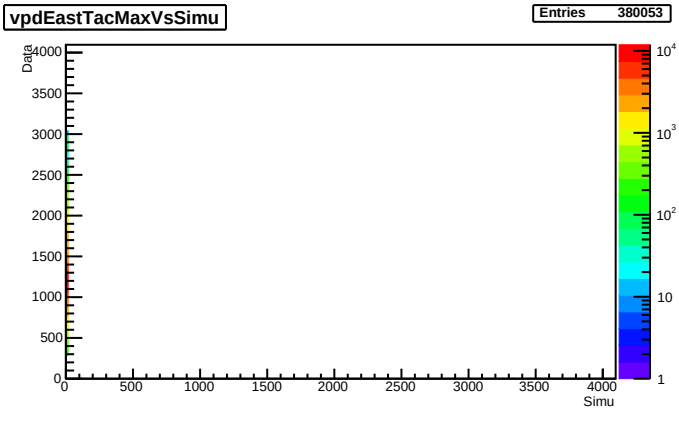
Entries 0
Data
Simu


vpdEastAdcSum
Entries 613098


vpdEastAdcSumVsSimu
Entries 380053
Data
Simu


vpdEastTacMax
Entries 613098


vpdEastTacMaxVsSimu
Entries 380053
Data
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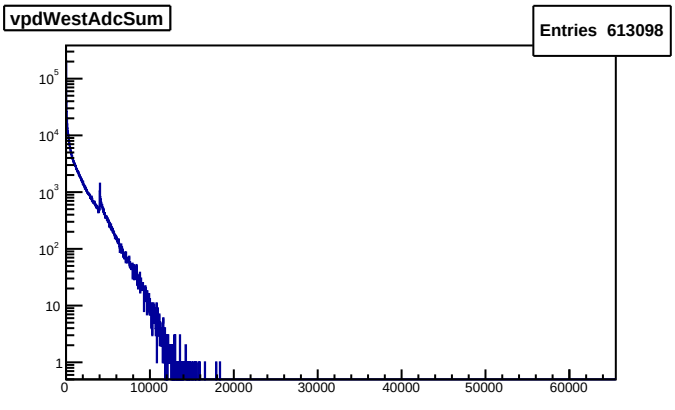
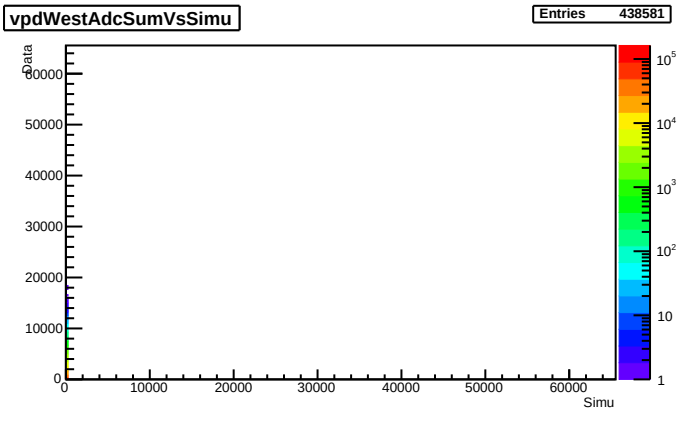
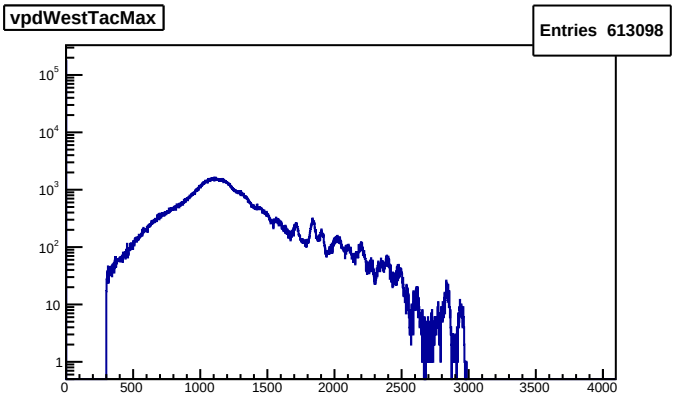
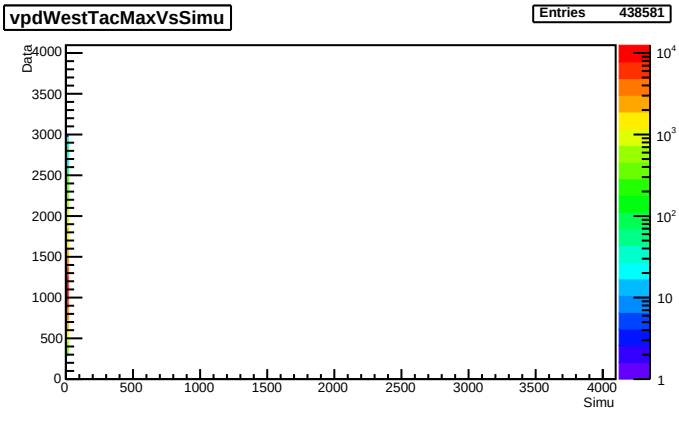
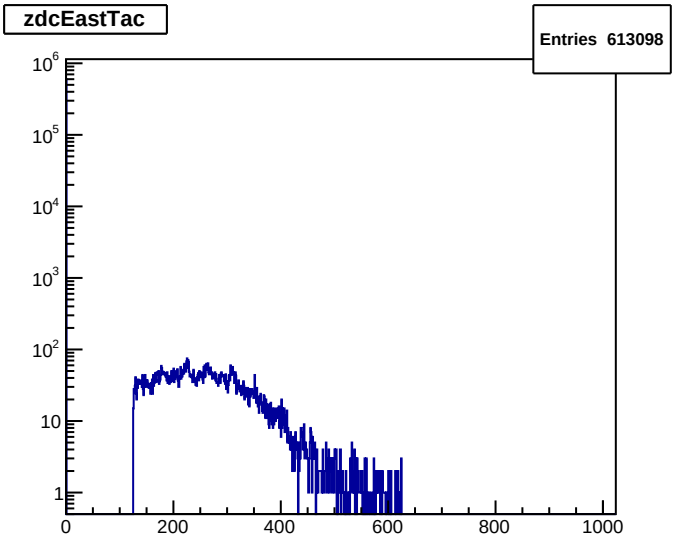
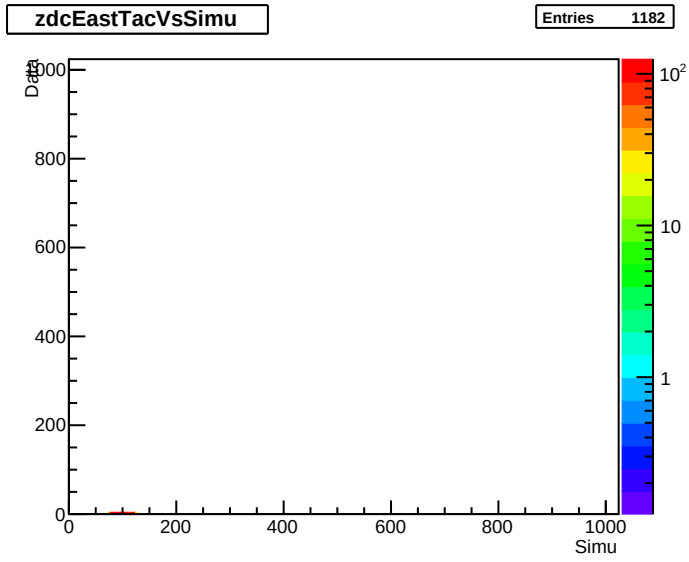

vpdWestAdcSum
Entries 613098

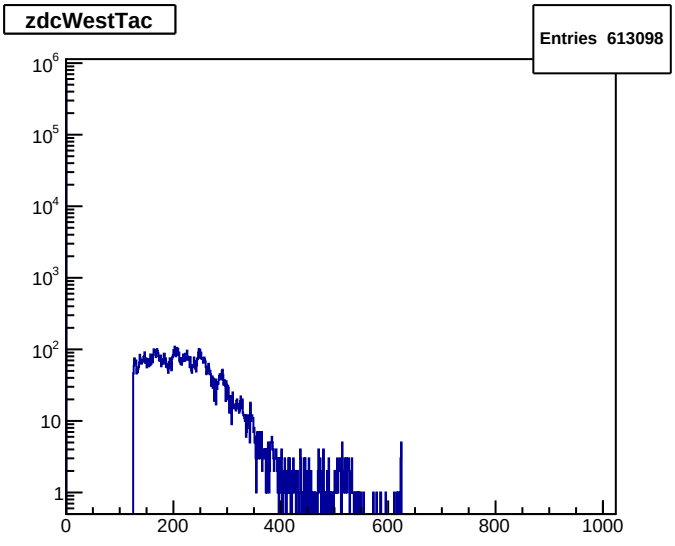

vpdWestAdcSumVsSimu
Entries 438581
Data
Simu

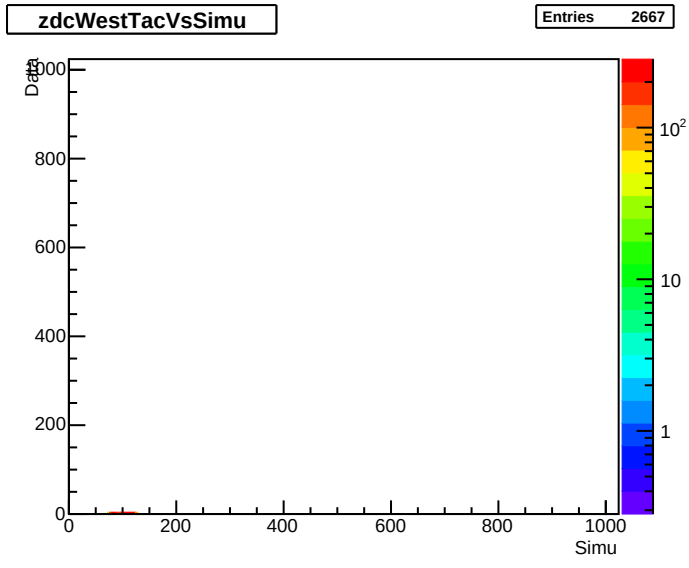

vpdWestTacMax
Entries 613098

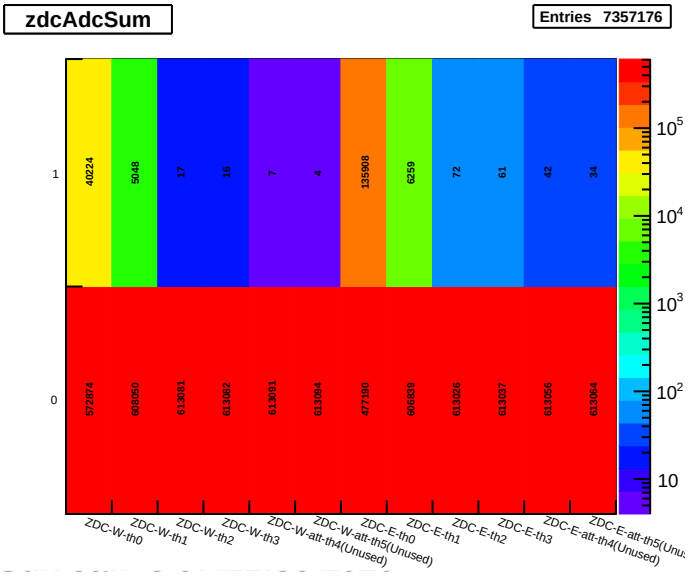

vpdWestTacMaxVsSimu
Entries 438581
Data
Simu


zdcEastTac
Entries 613098


zdcEastTacVsSimu
Entries 1182
Data
Simu


zdcWestTac
Entries 613098


zdcWestTacVsSimu
Entries 2667
Data
Simu


zdcAdcSum
Entries 7357176
40224
5048
17
16
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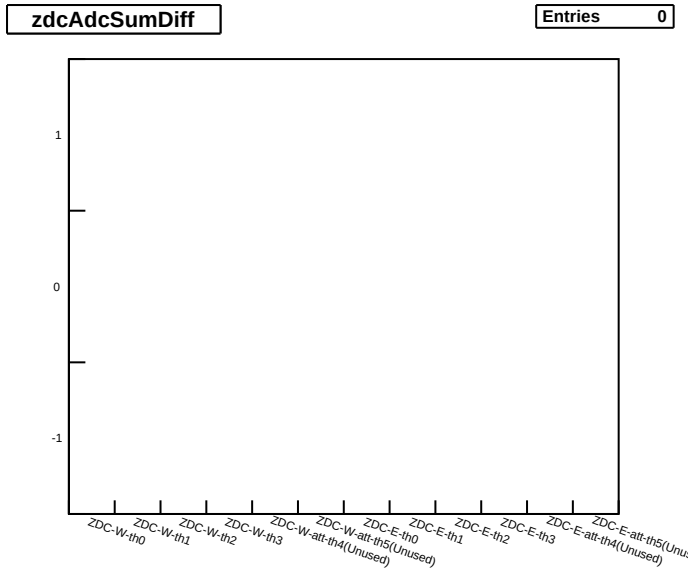
135908
6259
72
61
42
34
572874
608050
613081
613082
613091
613094
477190
606839
613026
613037
613056
613064
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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)
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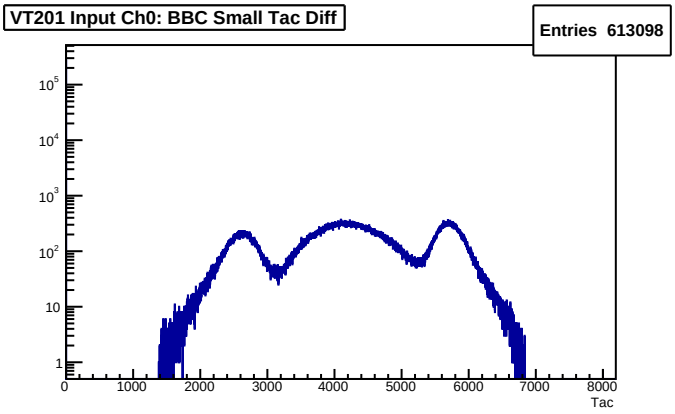
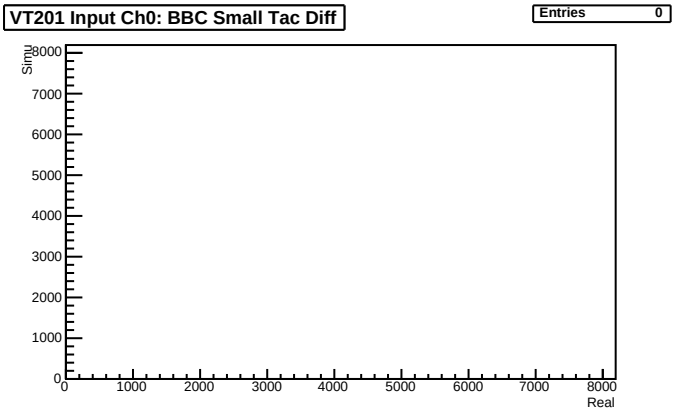
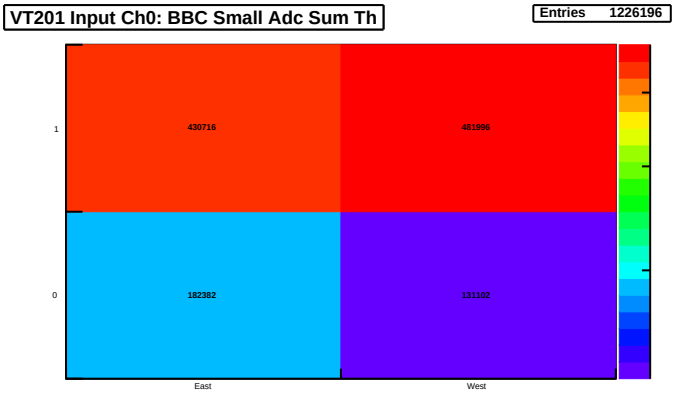
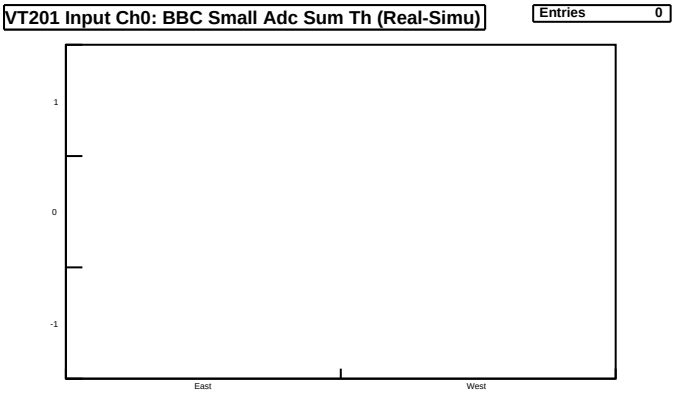
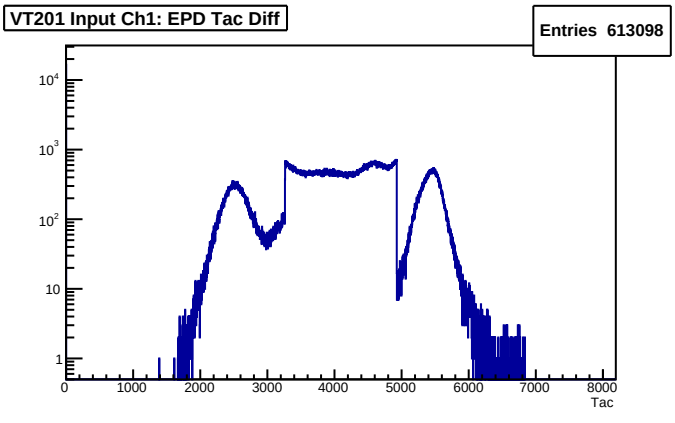
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

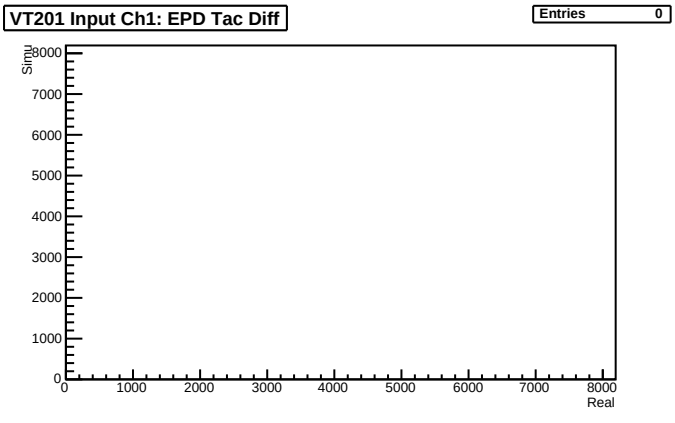

VT201 Input Ch0: BBC Small Tac Diff
Entries 613098
Tac

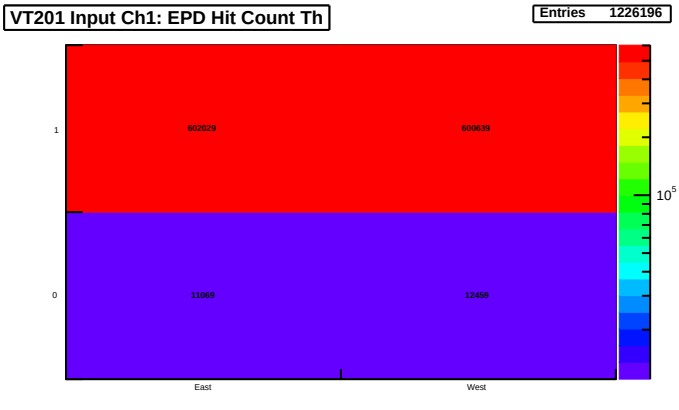

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

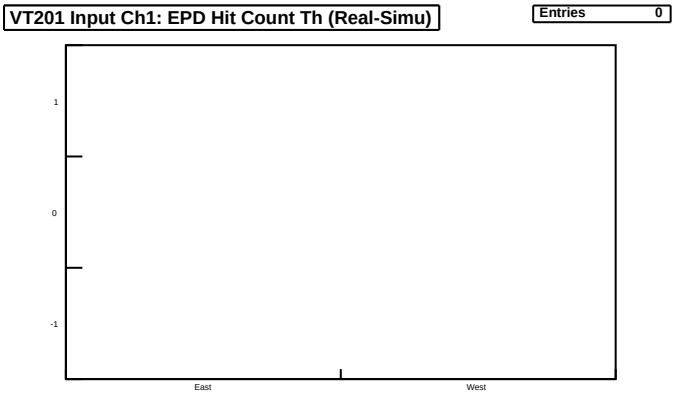

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1226196
430716
481996
182382
131102
East
West

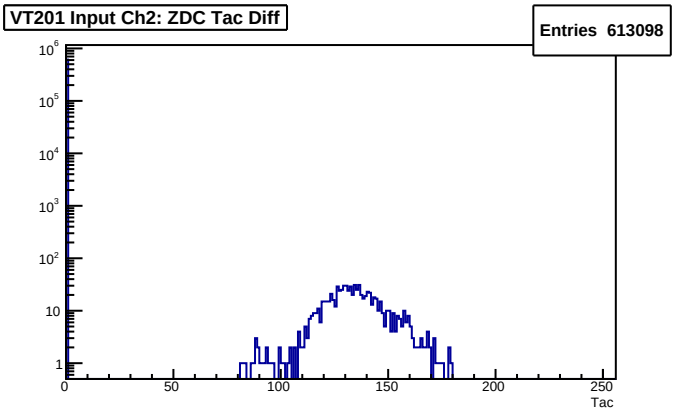

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

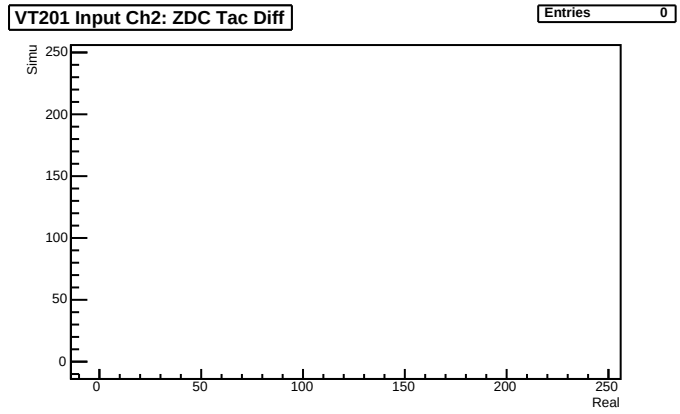

VT201 Input Ch1: EPD Tac Diff
Entries 613098
Tac

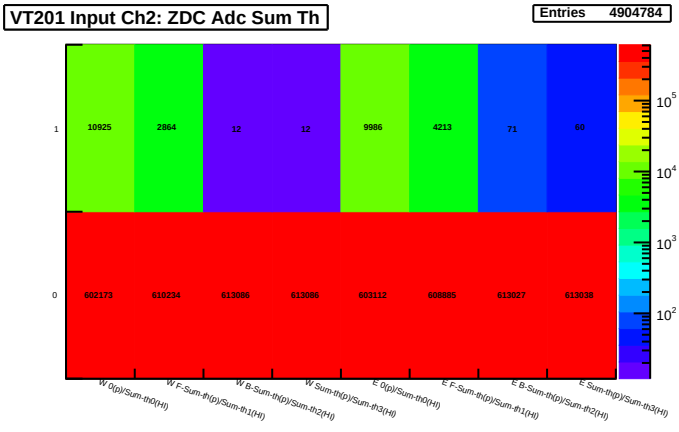

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

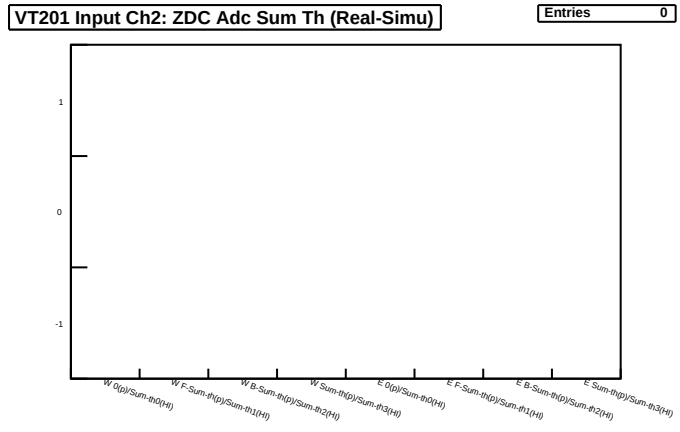

VT201 Input Ch1: EPD Hit Count Th
Entries 1226196
602029
600639
11069
12459
East
West

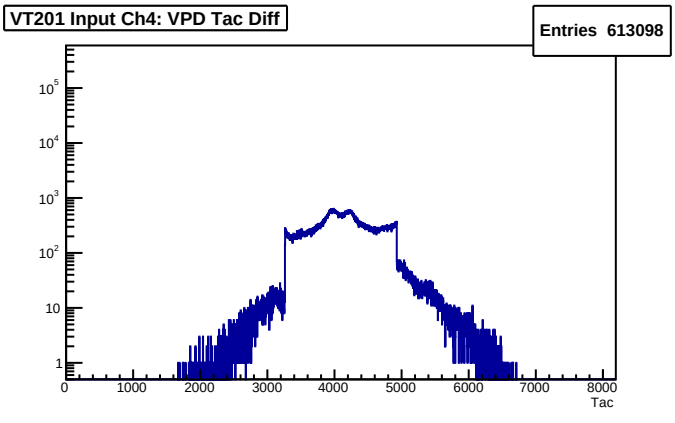

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

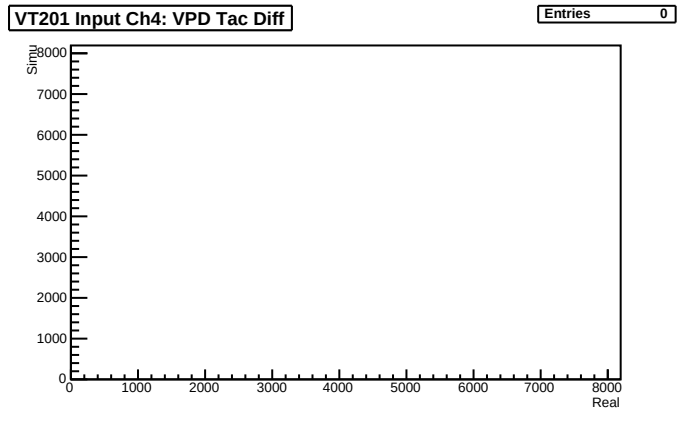

VT201 Input Ch2: ZDC Tac Diff
Entries 613098
Tac

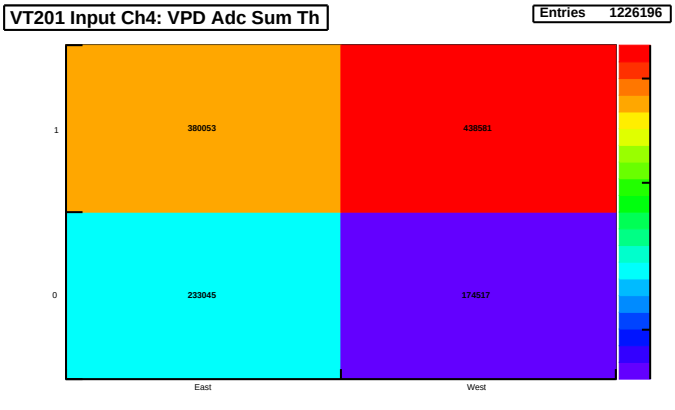

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

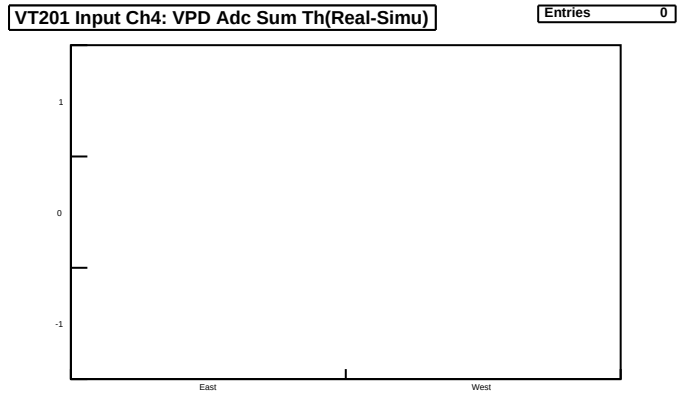

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4904784
10925
2864
12
12
9986
4213
71
60
602173
610234
613086
613086
603112
608885
613027
613038
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

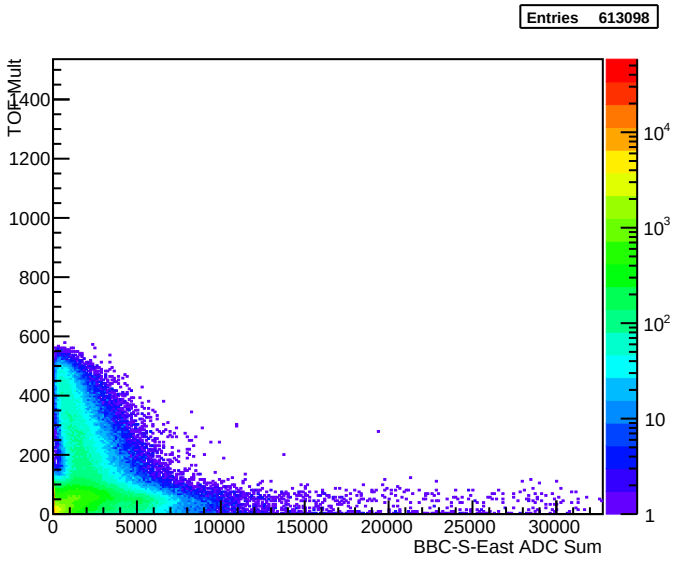

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

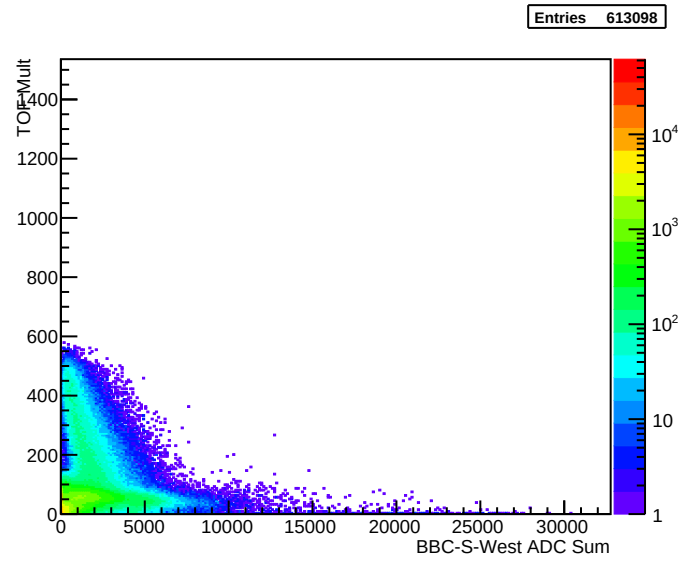

VT201 Input Ch4: VPD Tac Diff
Entries 613098
Tac

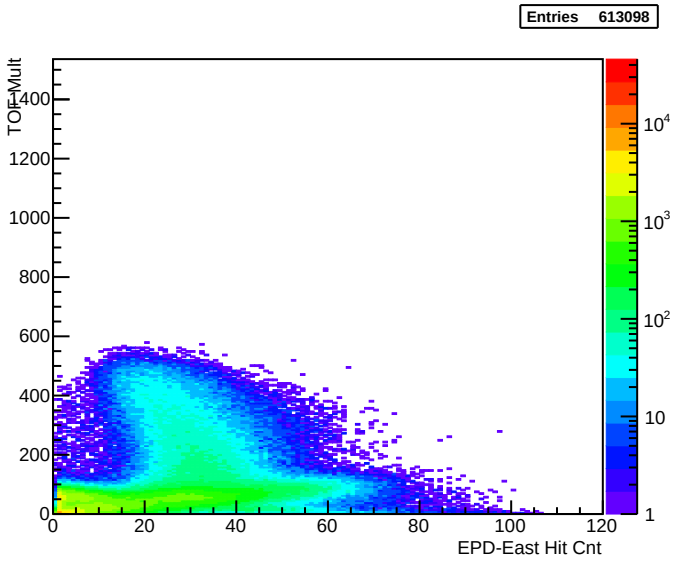

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

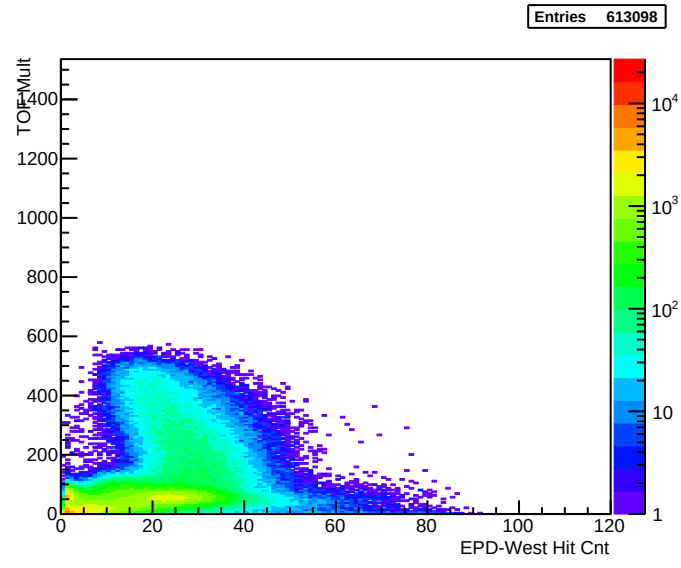

VT201 Input Ch4: VPD Adc Sum Th
Entries 1226196
380053
438581
233045
174517
East
West

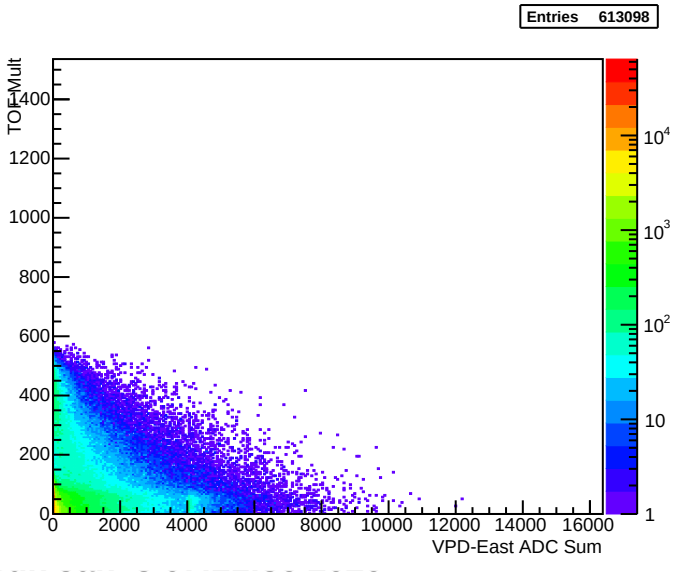

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

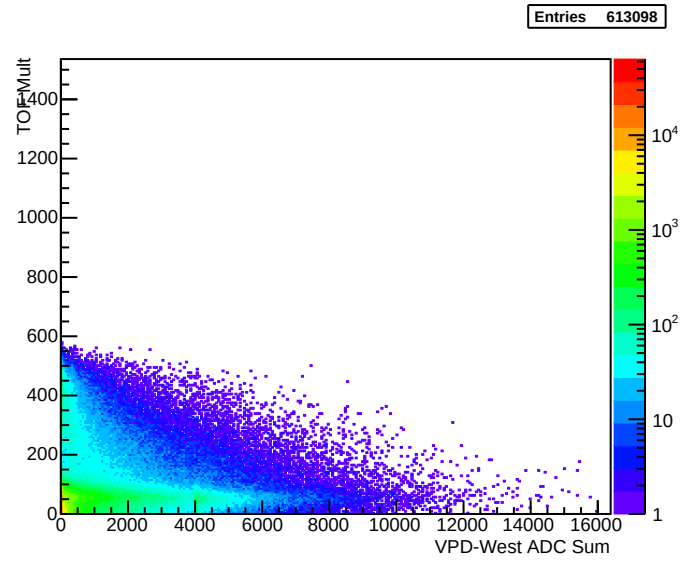

Entries 613098
TOF-Mult
BBC-S-East ADC Sum

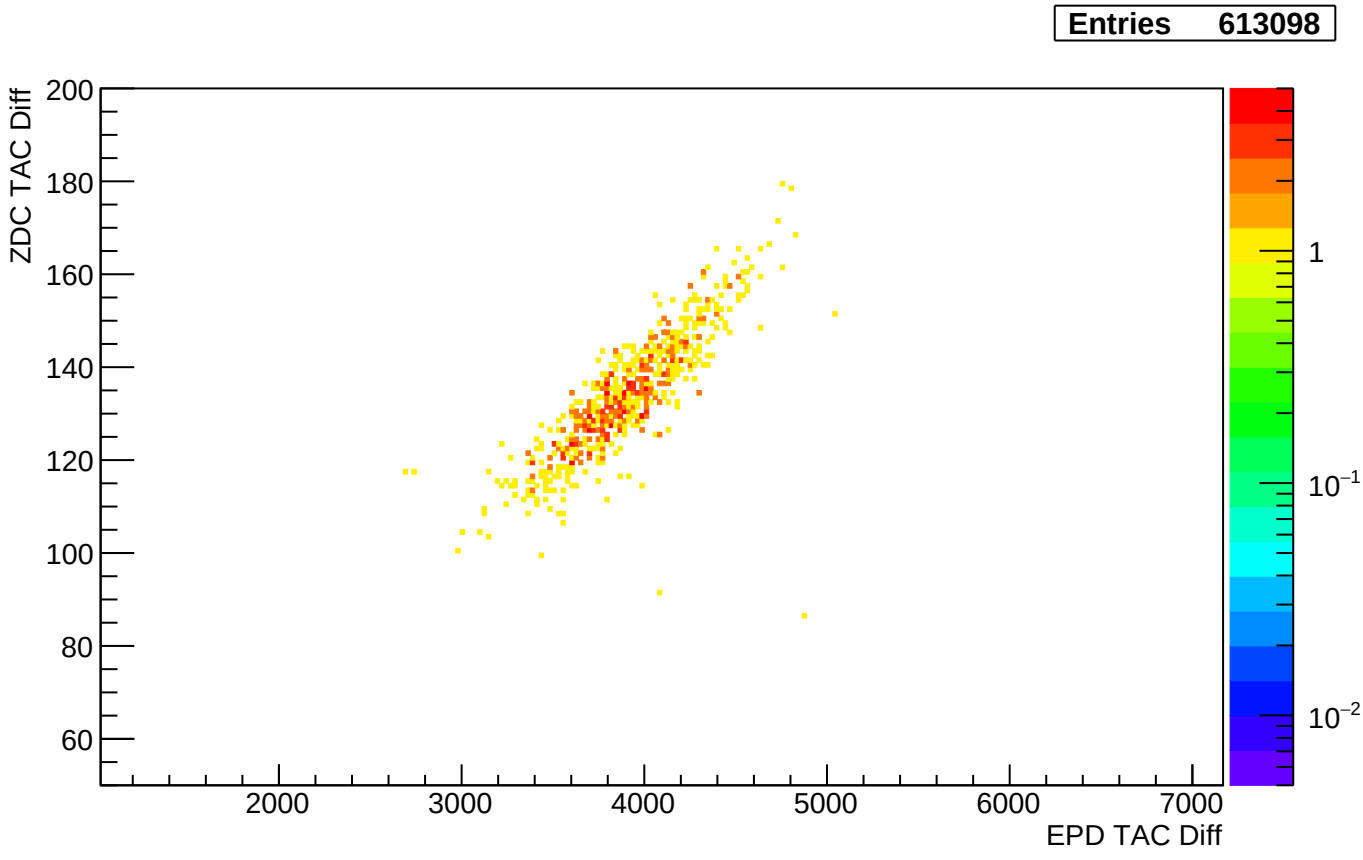

Entries 613098
TOF-Mult
BBC-S-West ADC Sum

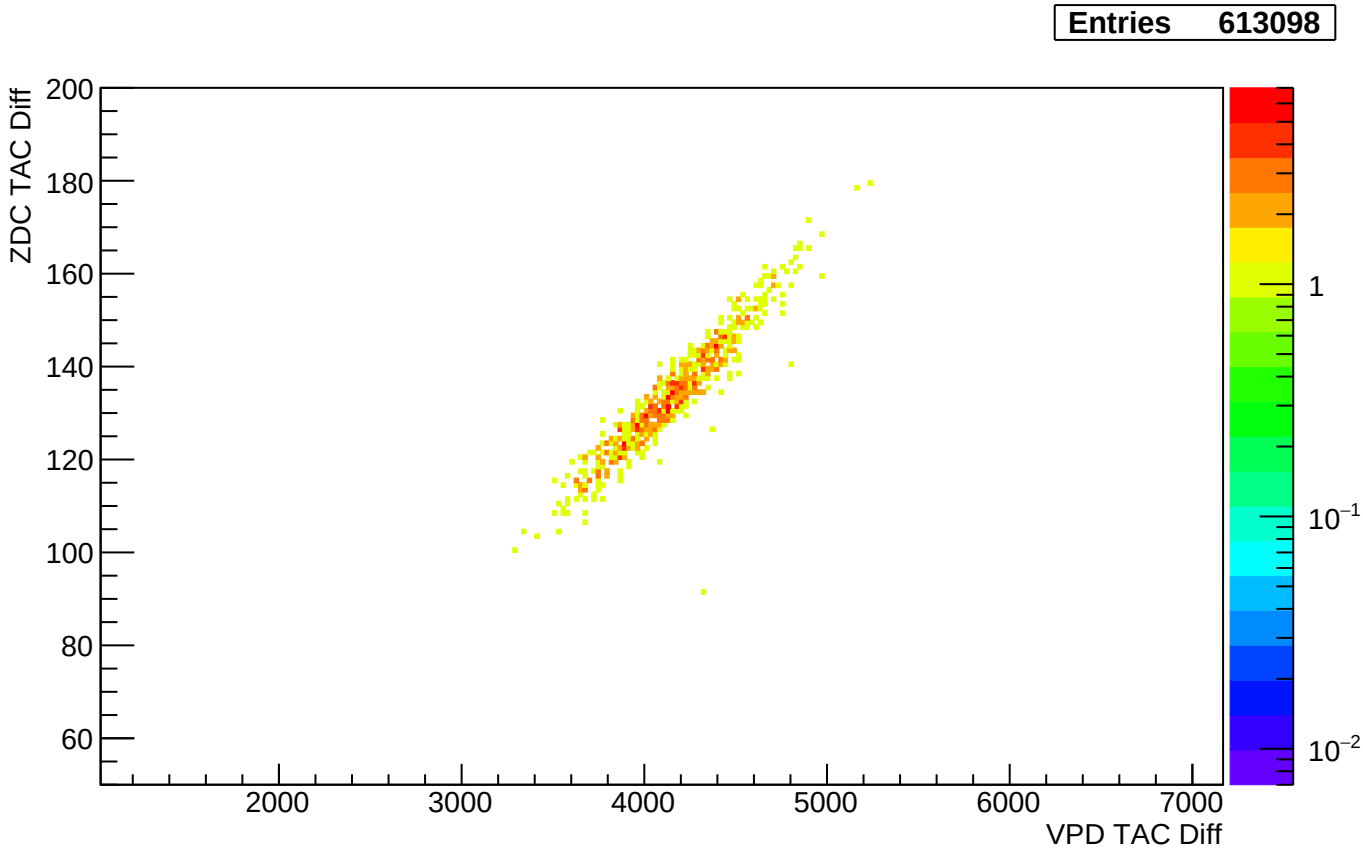

Entries 613098
TOF-Mult
EPD-East Hit Cnt

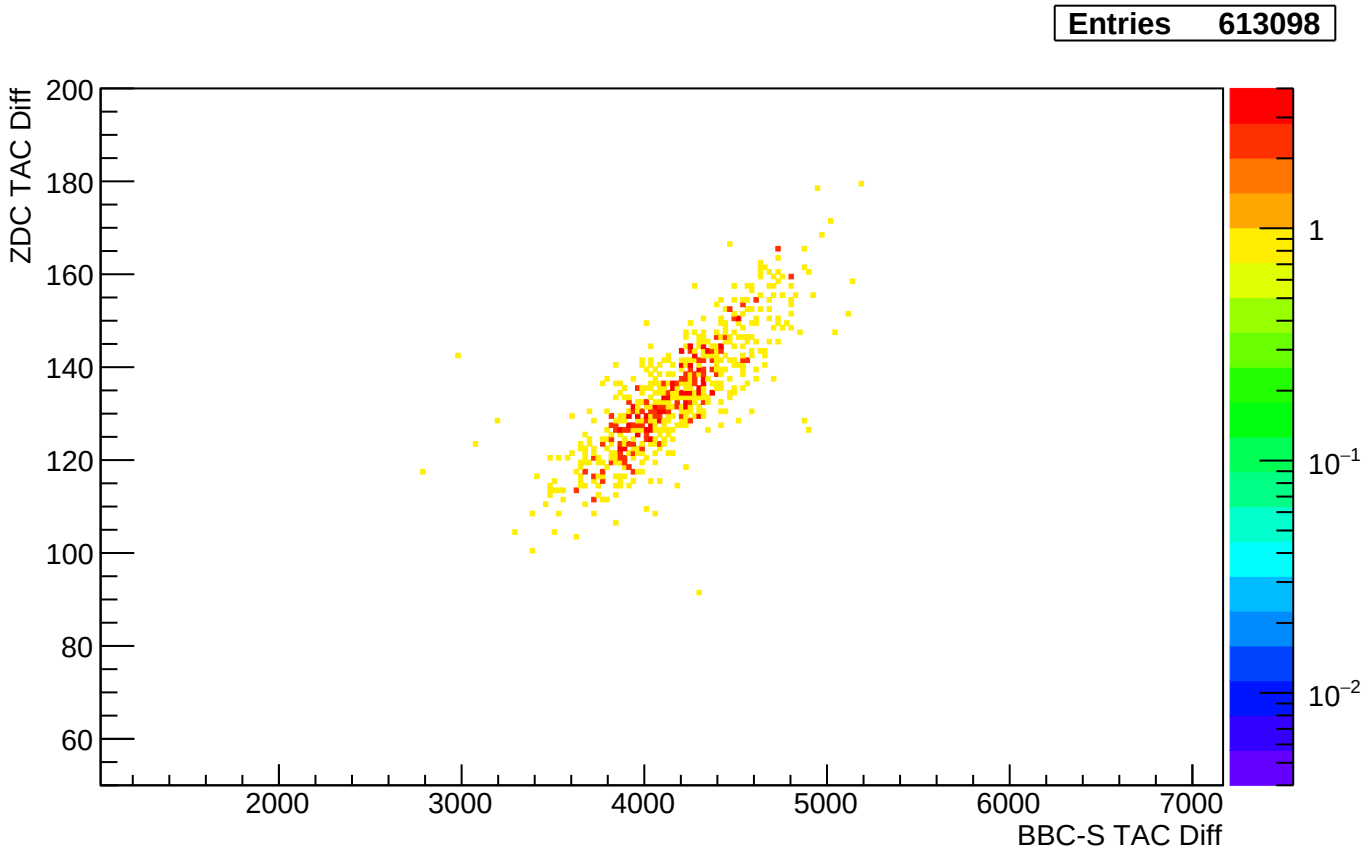

Entries 613098
TOF-Mult
EPD-West Hit Cnt

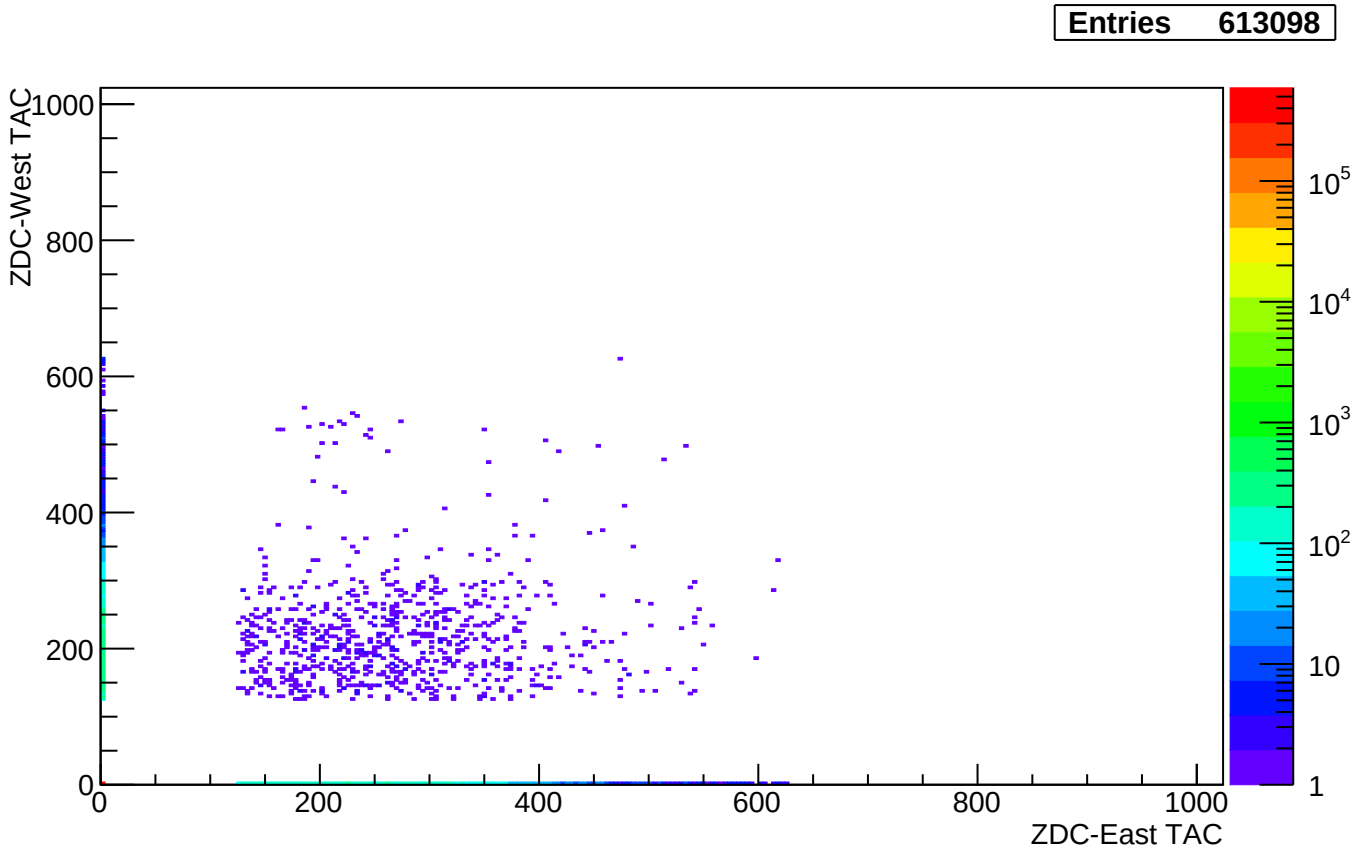

Entries 613098
TOF-Mult
VPD-East ADC Sum

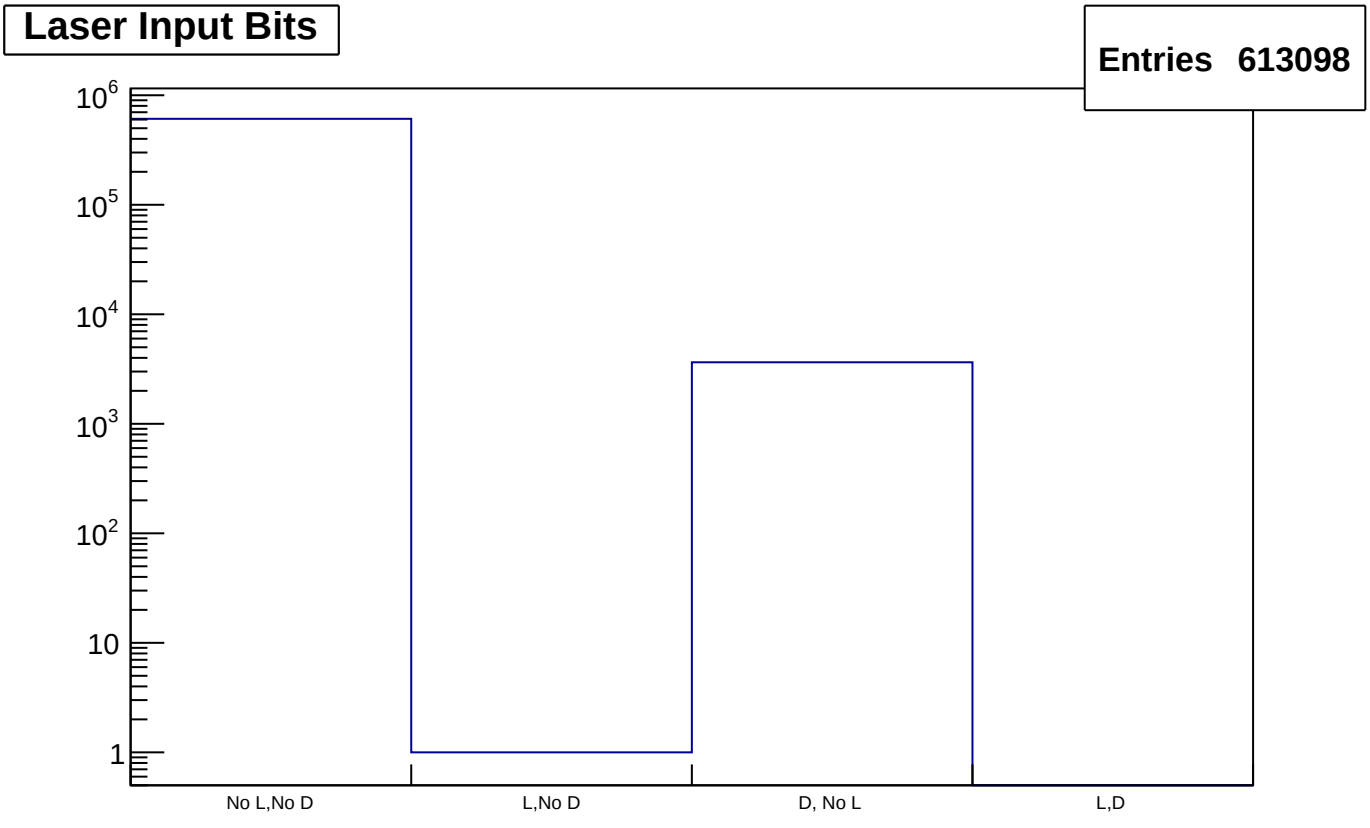

Entries 613098
TOF-Mult
VPD-West ADC Sum

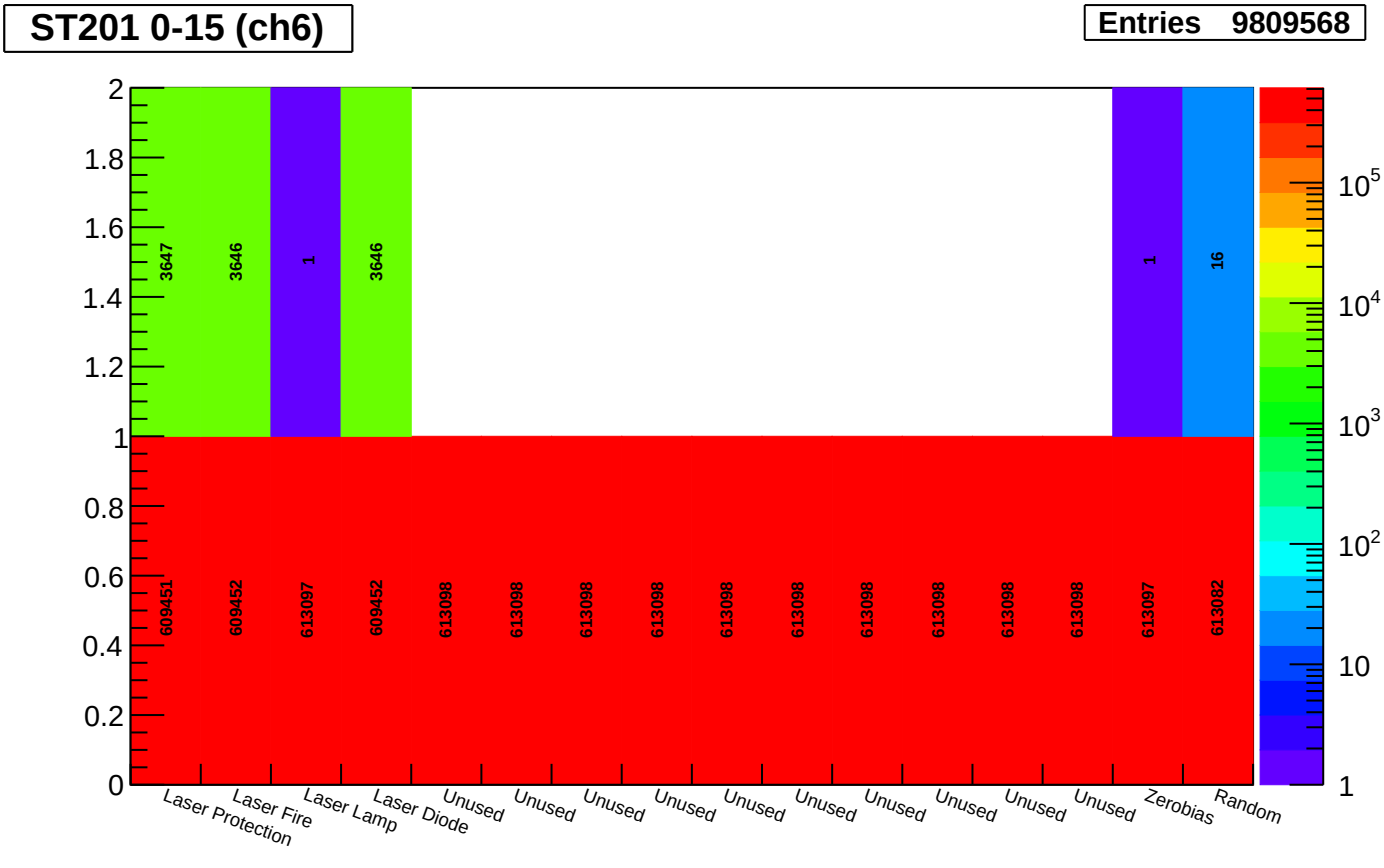

Entries 613098
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

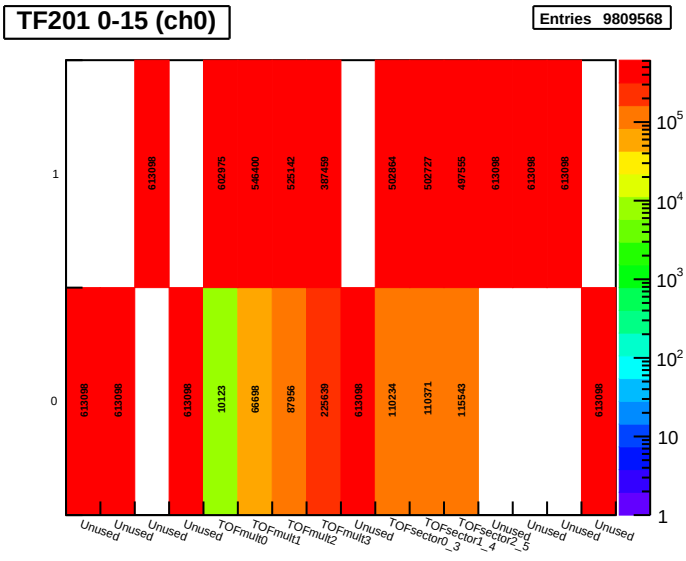

Entries 613098
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

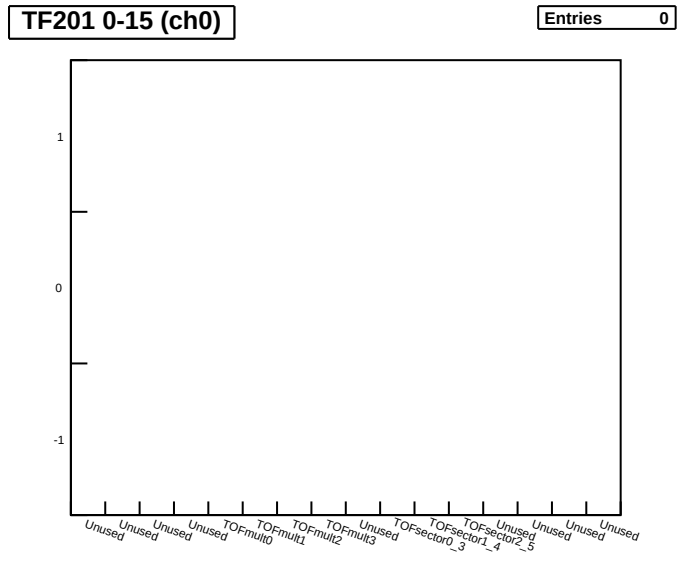

Entries 613098
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$

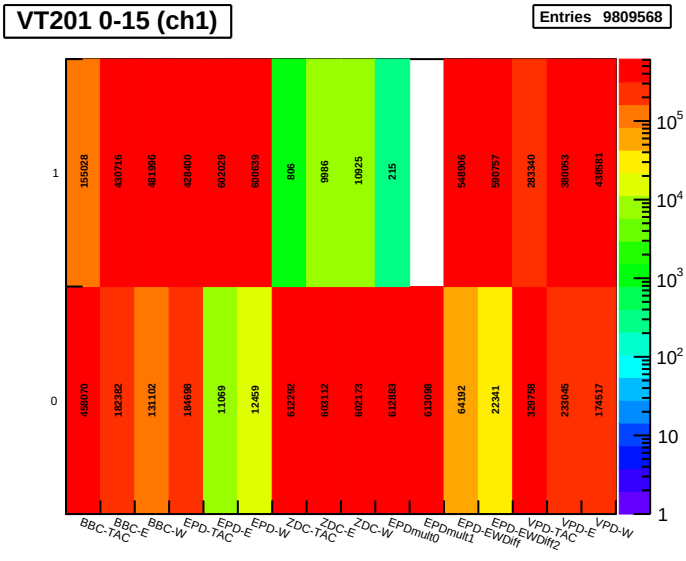

Entries 613098
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

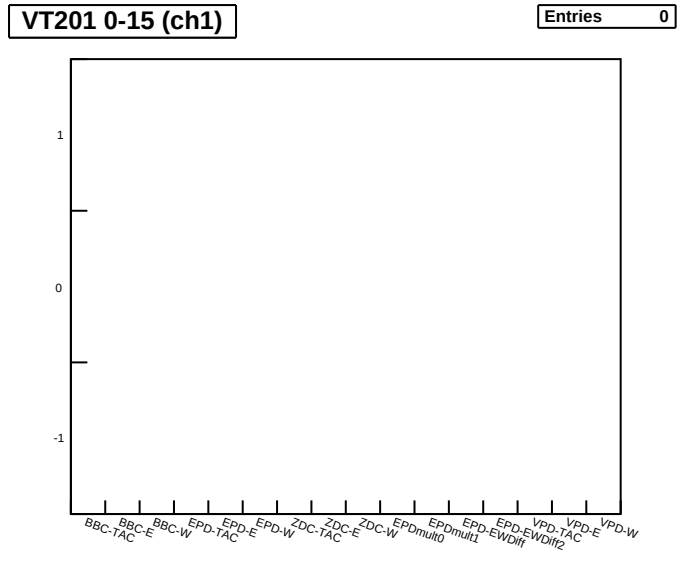

Laser Input Bits
Entries 613098
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

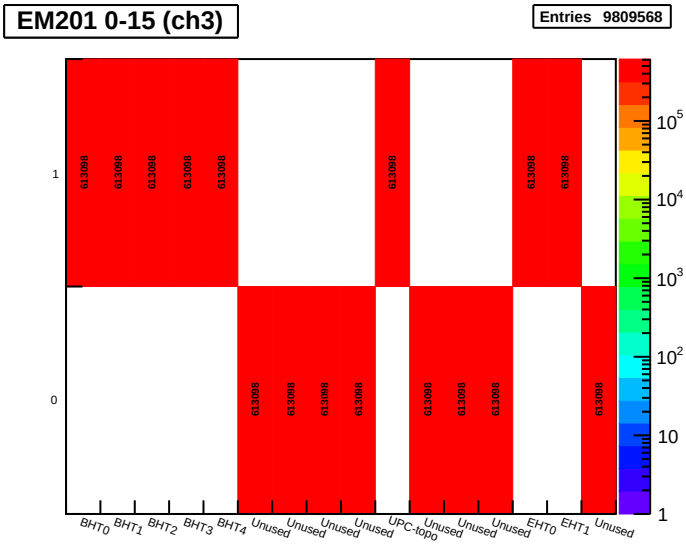

ST201 0-15 (ch6)
Entries 9809568
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3647
3646
1
3646
1
16
609451
609452
613097
609452
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613097
613082
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

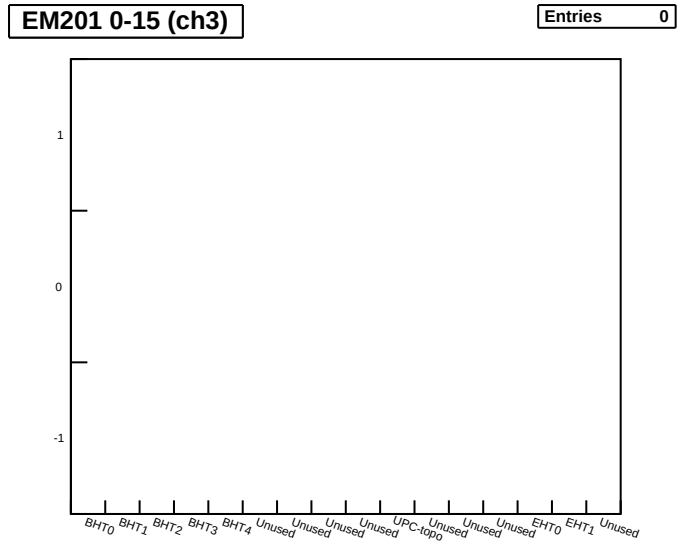

TF201 0-15 (ch0)
Entries 9809568
1
0
613098
602975
546400
525142
397459
502864
502727
497555
613098
613098
613098
613098
613098
613098
10123
66698
87956
225639
613098
110234
110371
115543
613098
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 9809568
1
0
155028
430716
481996
428400
602029
600639
806
9986
10925
215
548906
590757
283340
380053
438581
458070
182382
131102
184698
11069
12459
612292
603112
602173
612883
613098
64192
22341
329758
233045
174517
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 9809568
1
0
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
613098
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