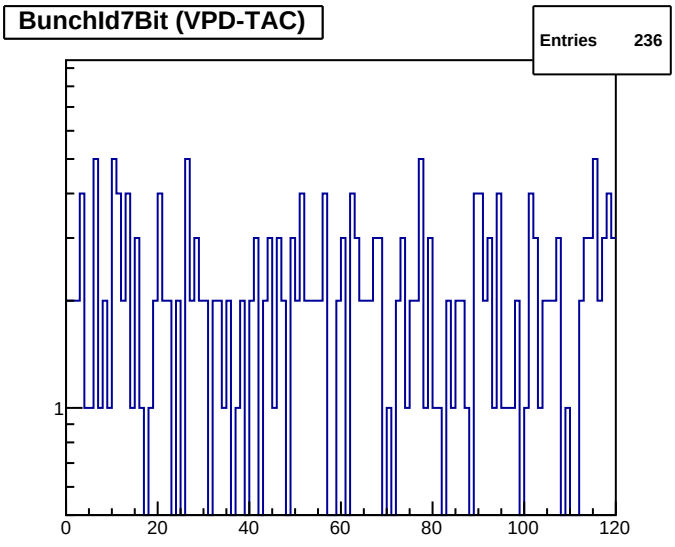
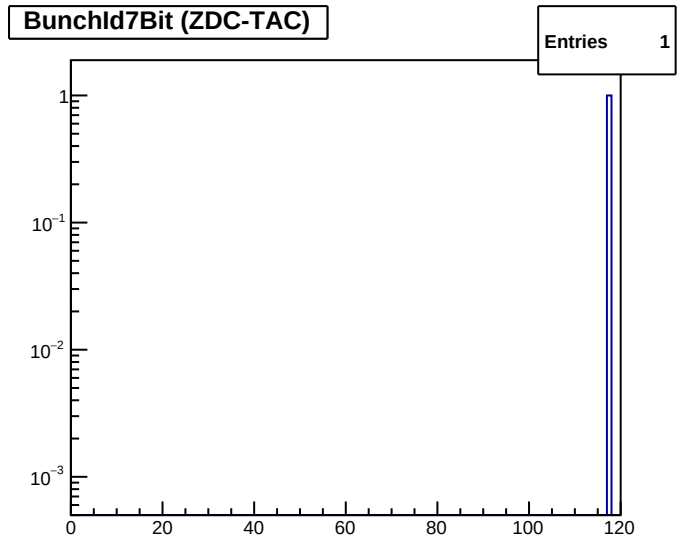
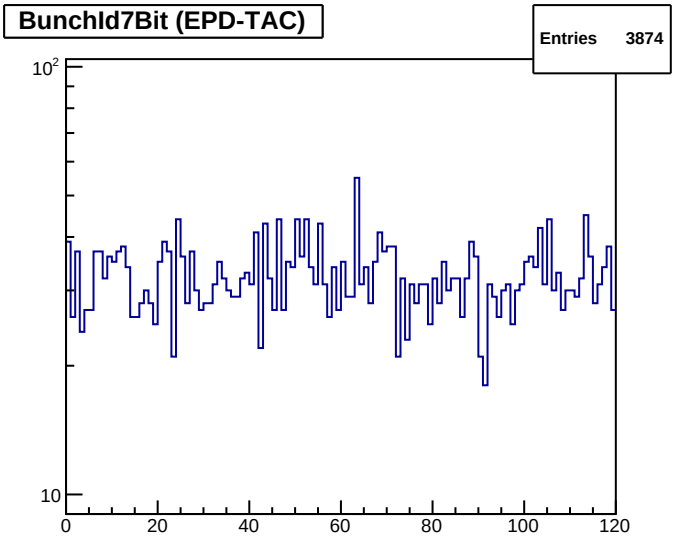
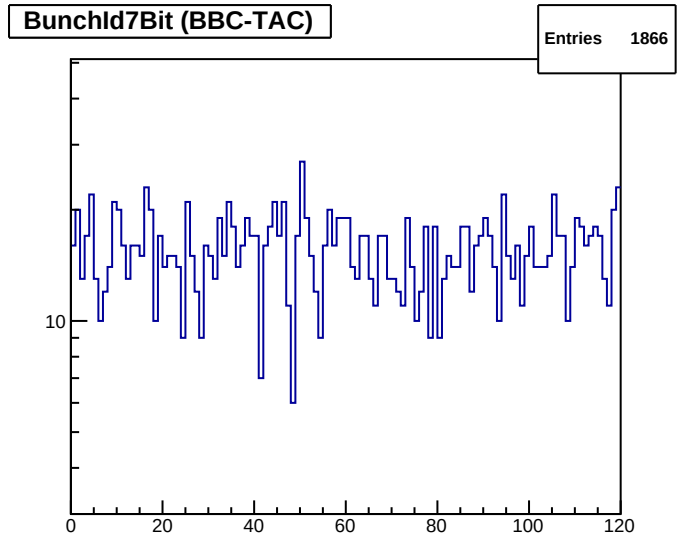
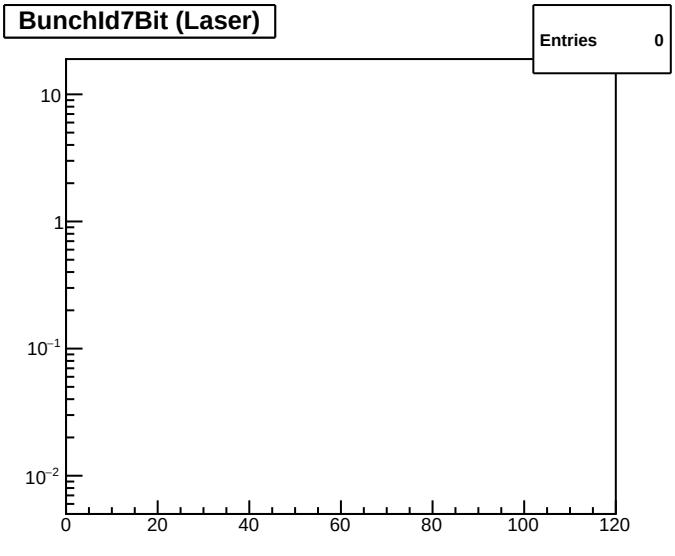
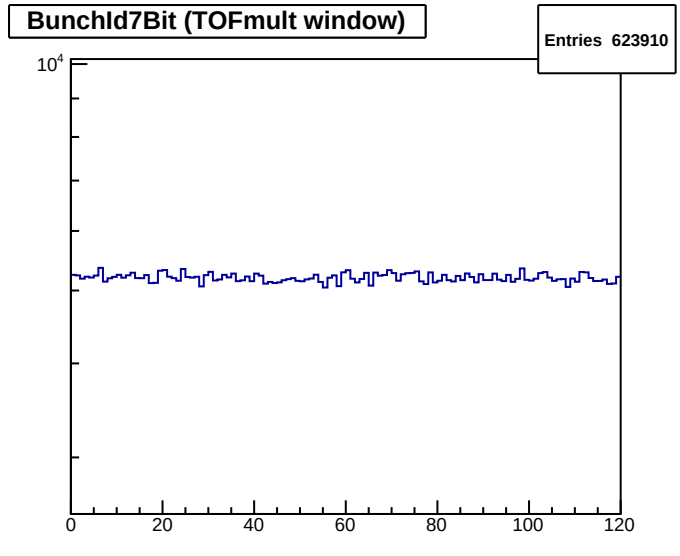

BunchId7Bit (VPD-TAC)
Entries 236
1
0 20 40 60 80 100 120

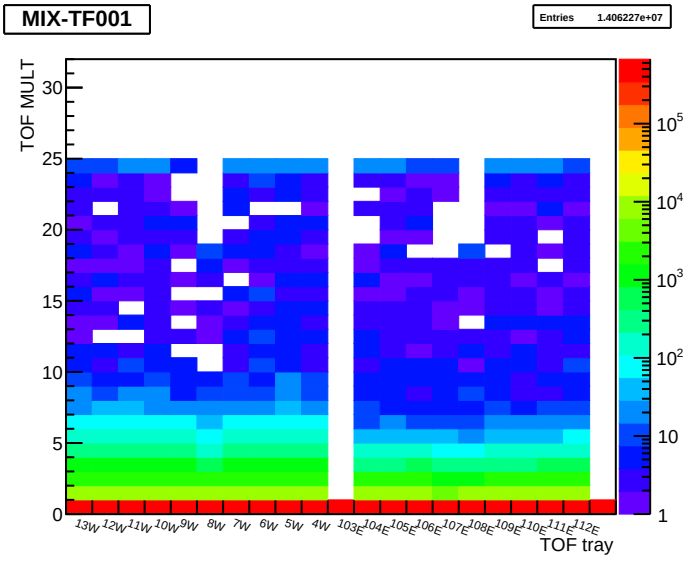

BunchId7Bit (ZDC-TAC)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

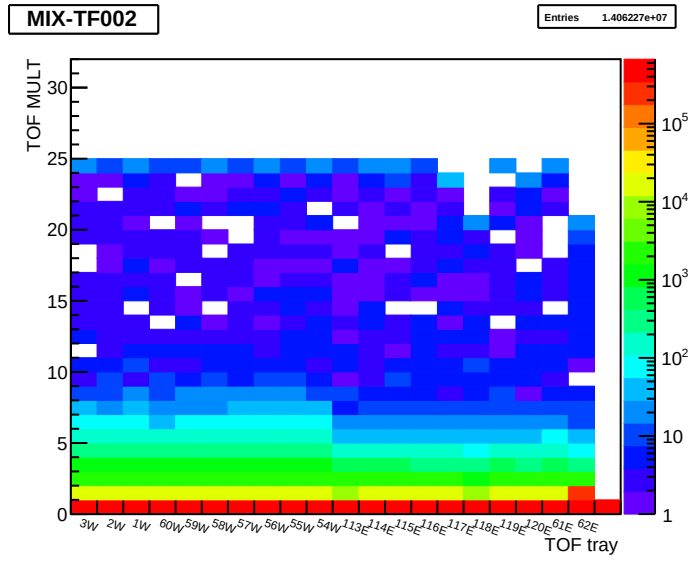

BunchId7Bit (EPD-TAC)
Entries 3874
10^{2}
10
0 20 40 60 80 100 120

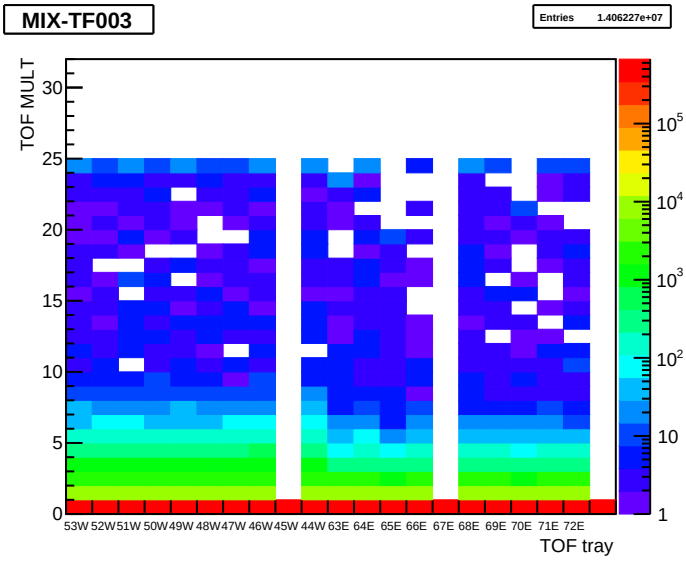

BunchId7Bit (BBC-TAC)
Entries 1866
10
0 20 40 60 80 100 120

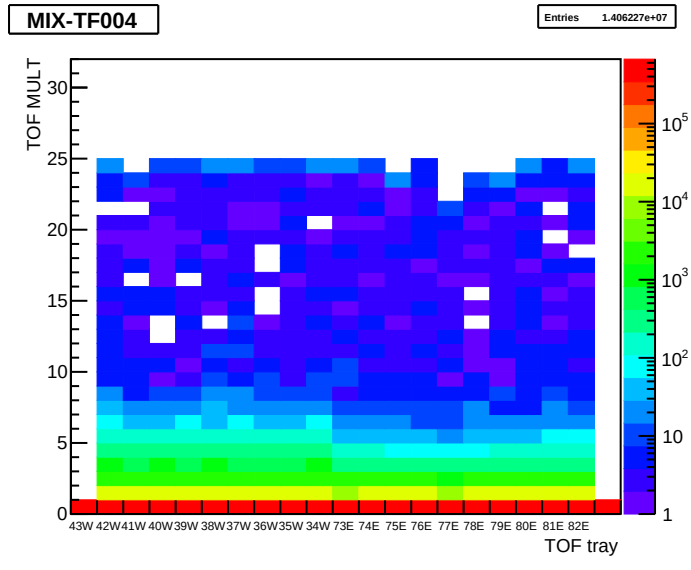

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

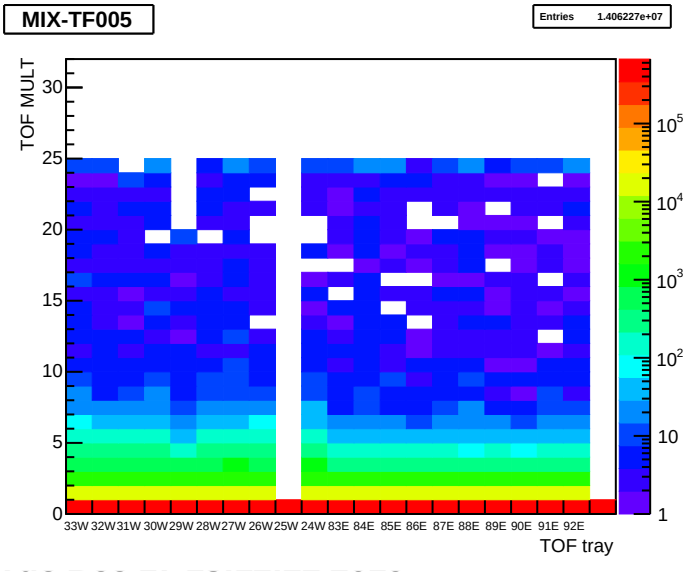

BunchId7Bit (TOFmult window)
Entries 623910
10^{4}
0 20 40 60 80 100 120

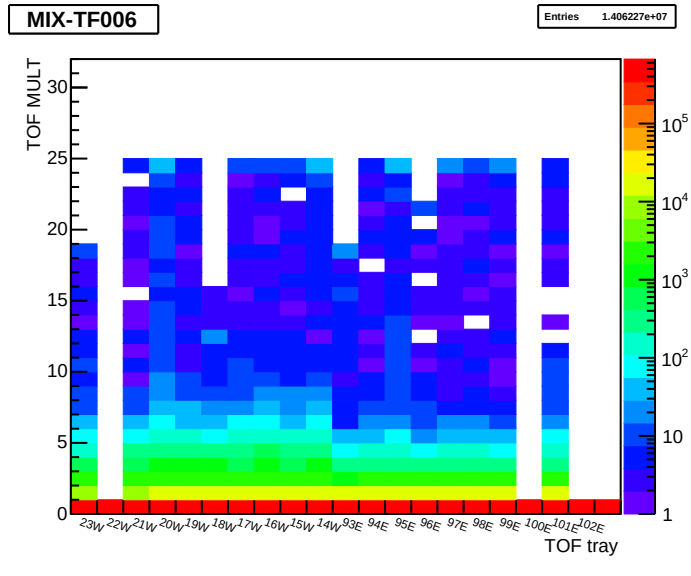

MIX-TF001
Entries 1.406227e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

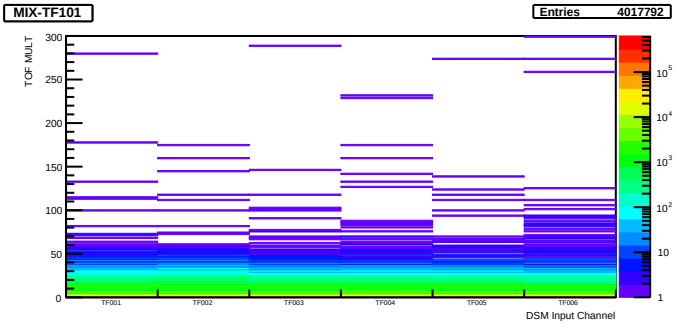

MIX-TF002
Entries 1.406227e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

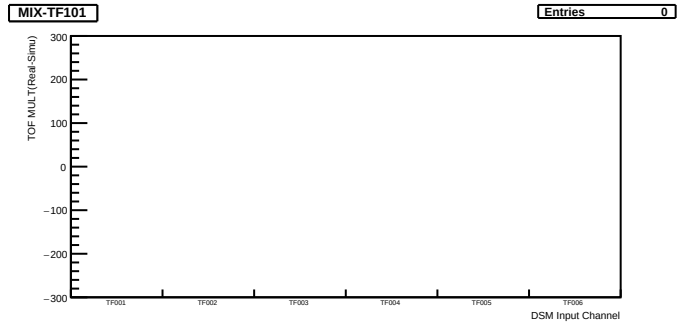

MIX-TF003
Entries 1.406227e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

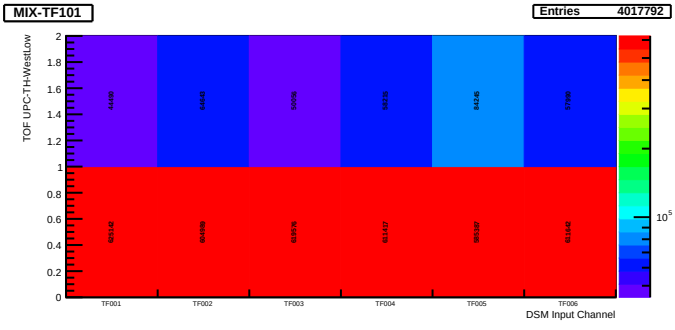

MIX-TF004
Entries 1.406227e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

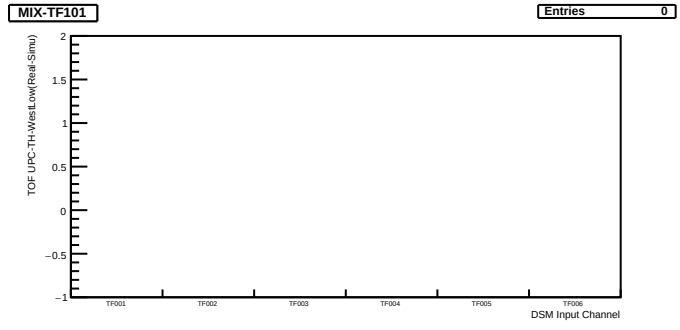

MIX-TF005
Entries 1.406227e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

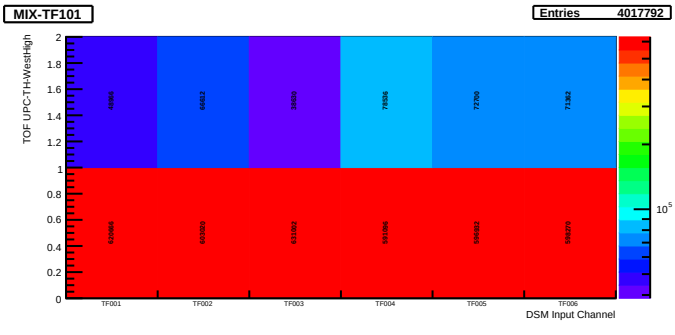

MIX-TF006
Entries 1.406227e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

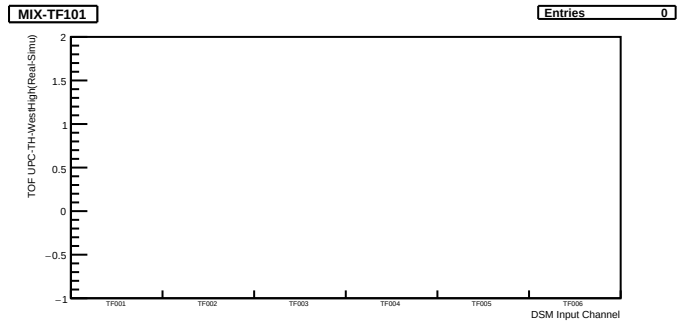

MIX-TF101
Entries 4017792
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

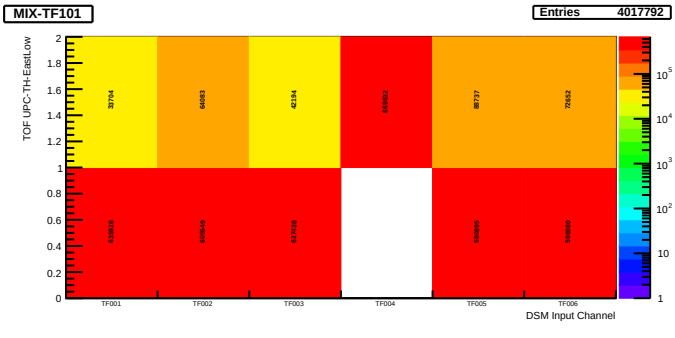

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

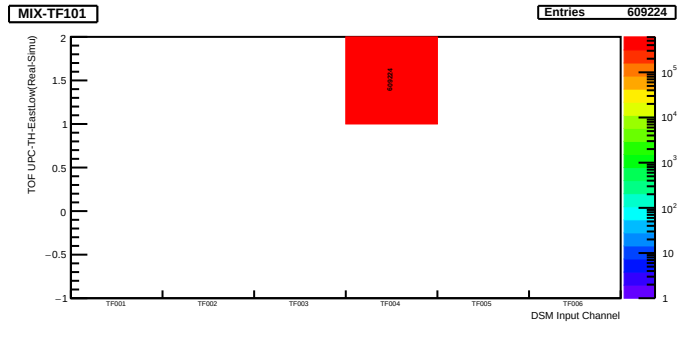

MIX-TF101
Entries 4017792
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

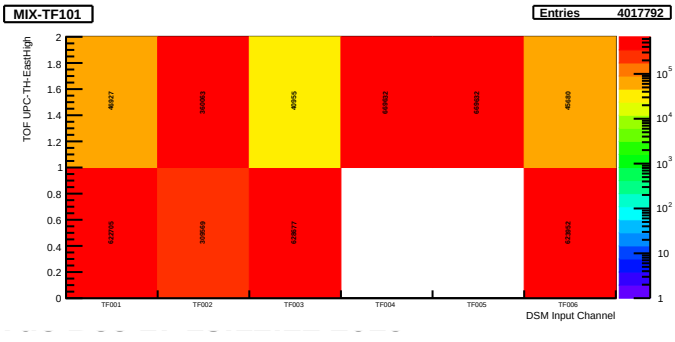

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

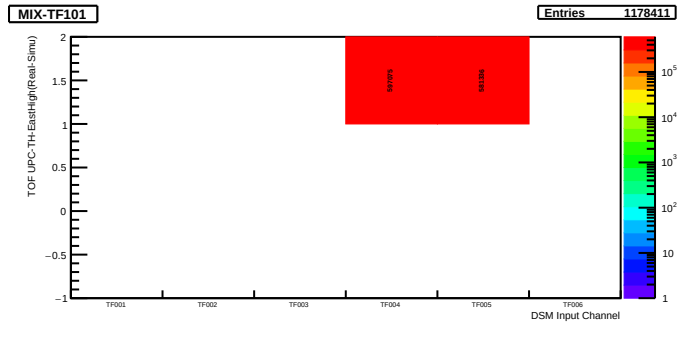

MIX-TF101
Entries 4017792
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

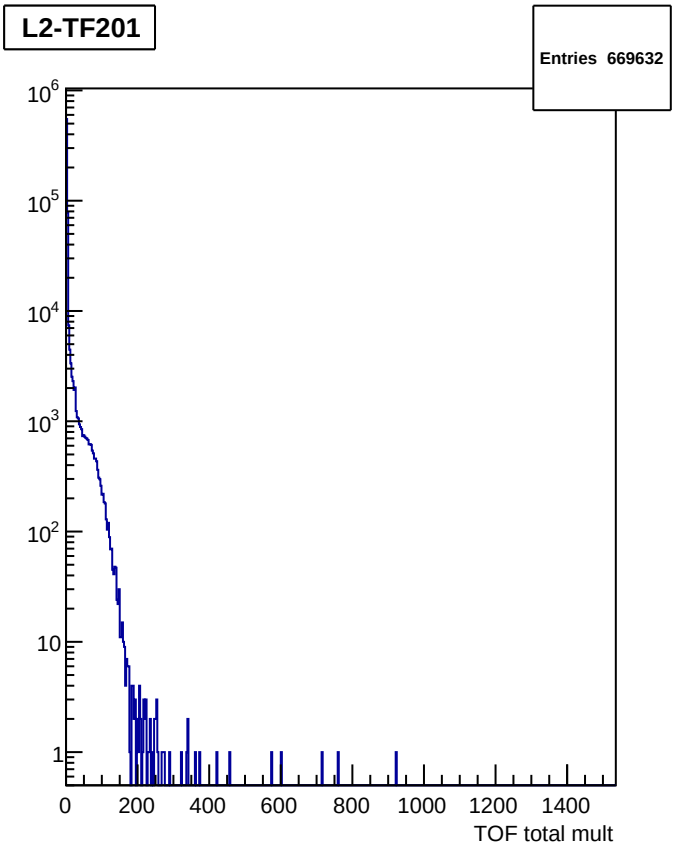

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

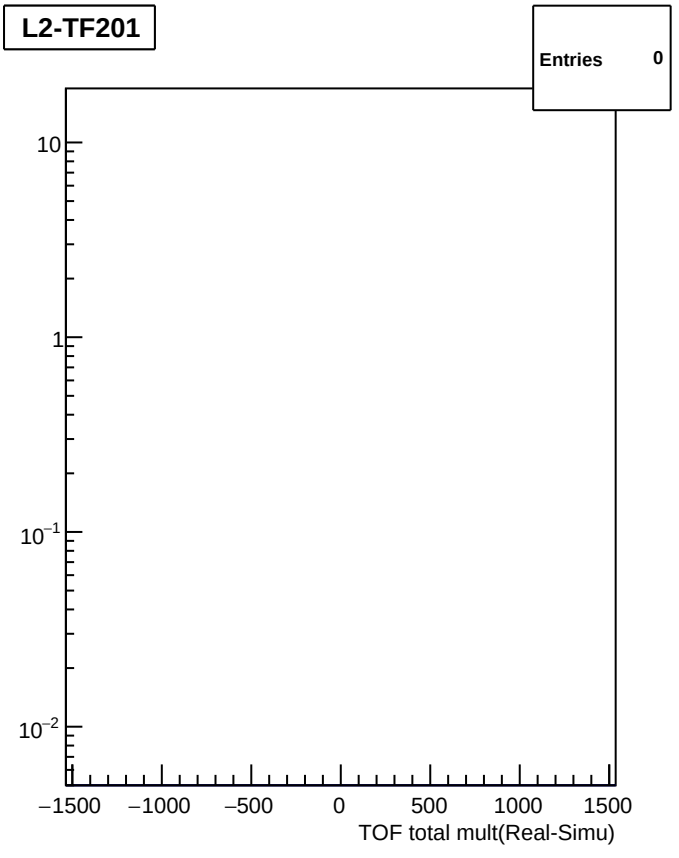

MIX-TF101
Entries 4017792
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

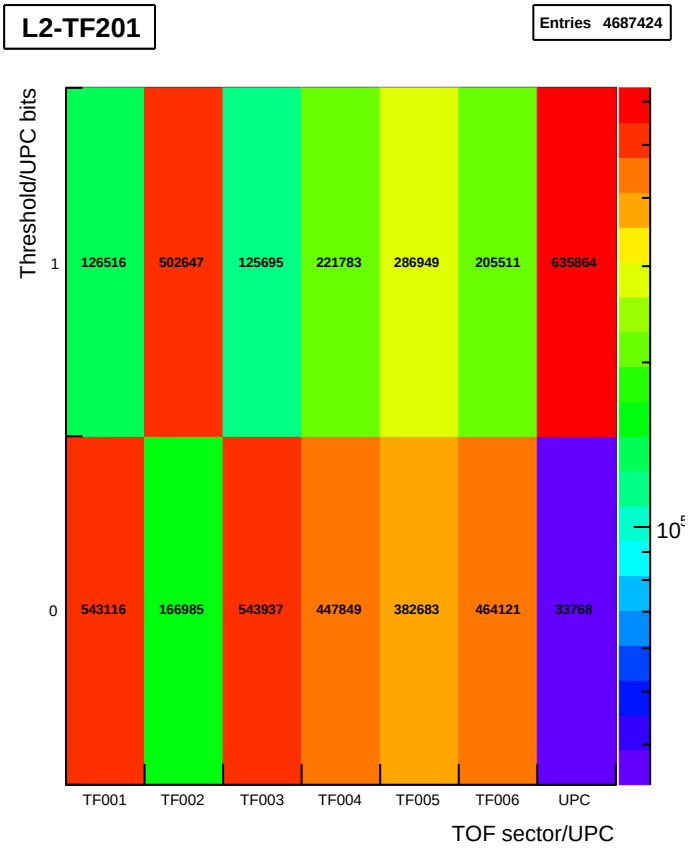

MIX-TF101
Entries 609224
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

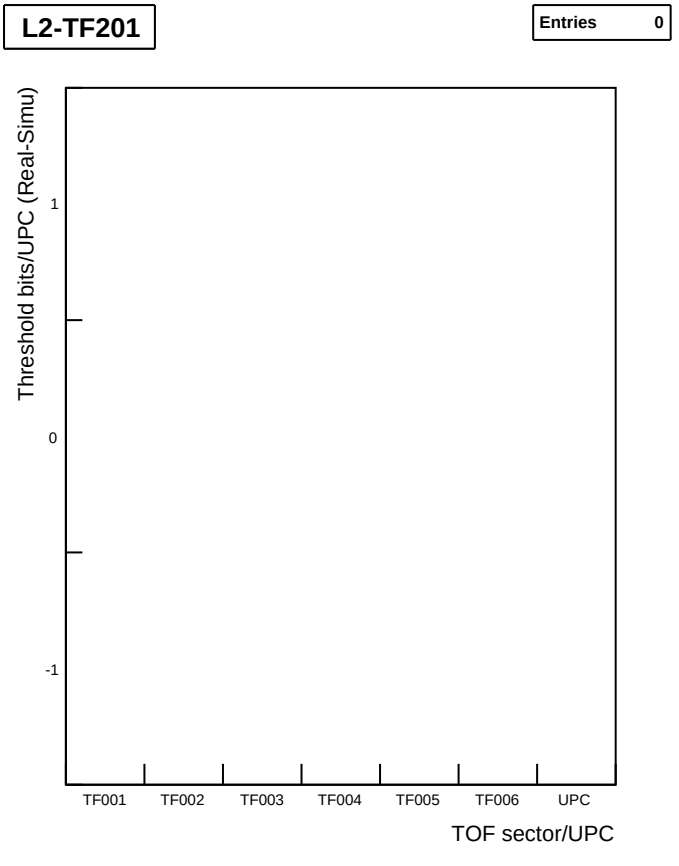

MIX-TF101
Entries 4017792
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

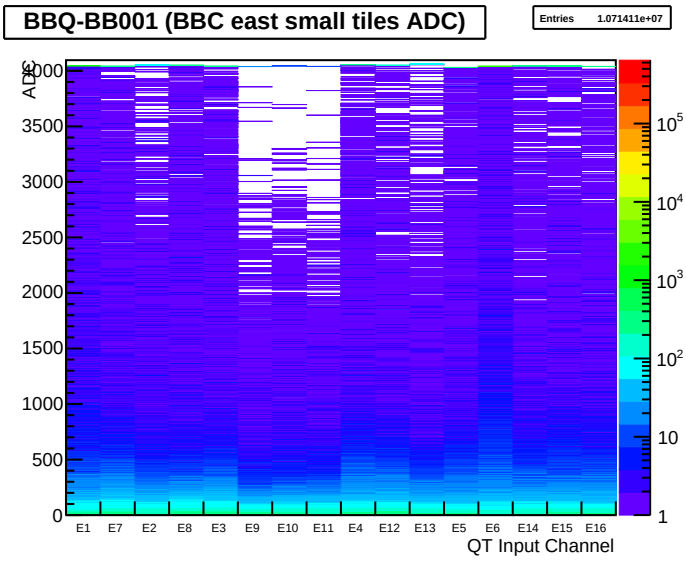

MIX-TF101
Entries 1178411
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

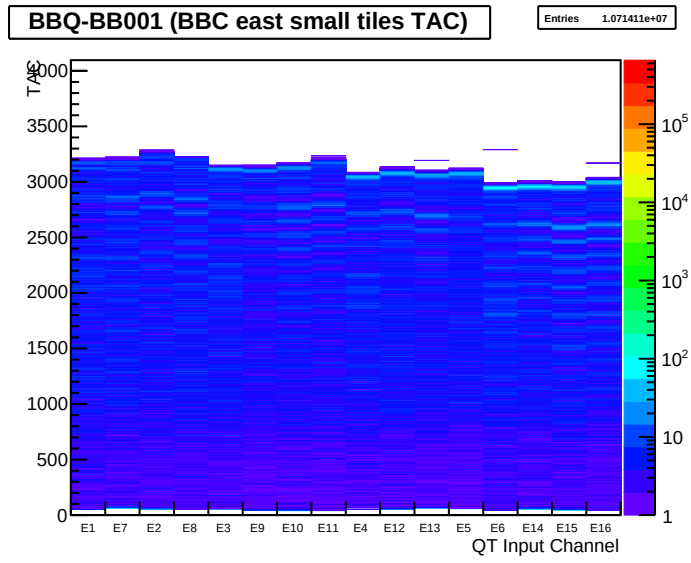

L2-TF201
Entries 669632
TOF total mult

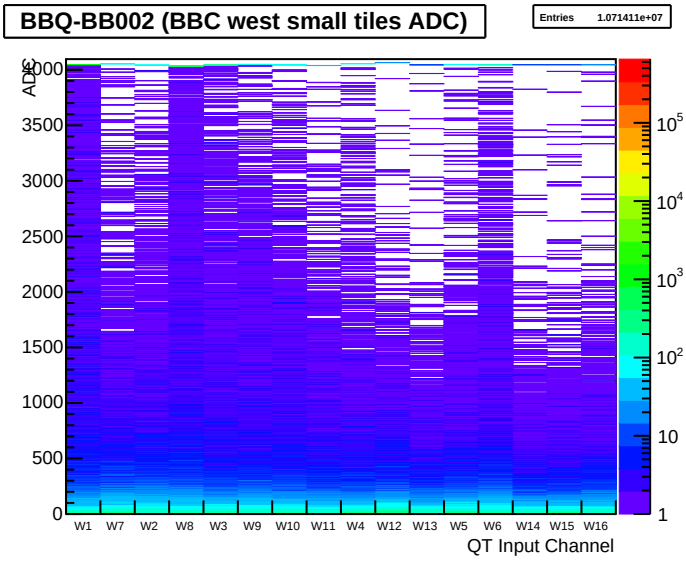

L2-TF201
Entries 0
TOF total mult(Real-Simu)

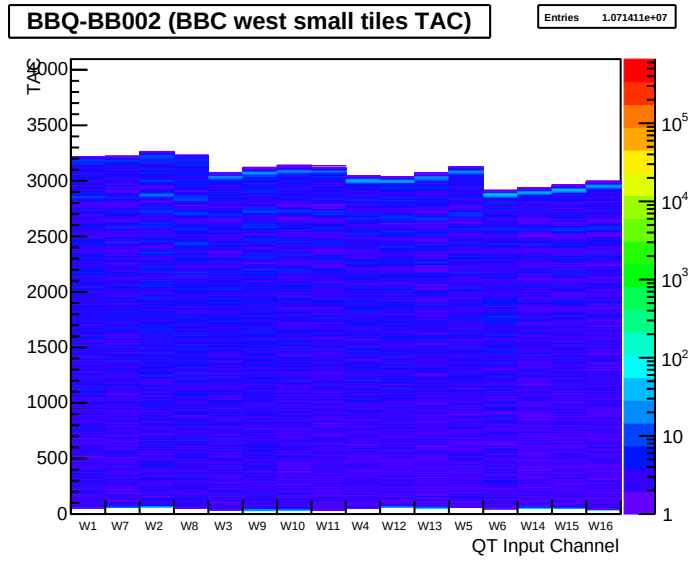

L2-TF201
Entries 4687424
Threshold/UPC bits
126516
502647
125695
221783
286949
205511
635864
543116
166985
543937
447849
382683
464121
33768
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

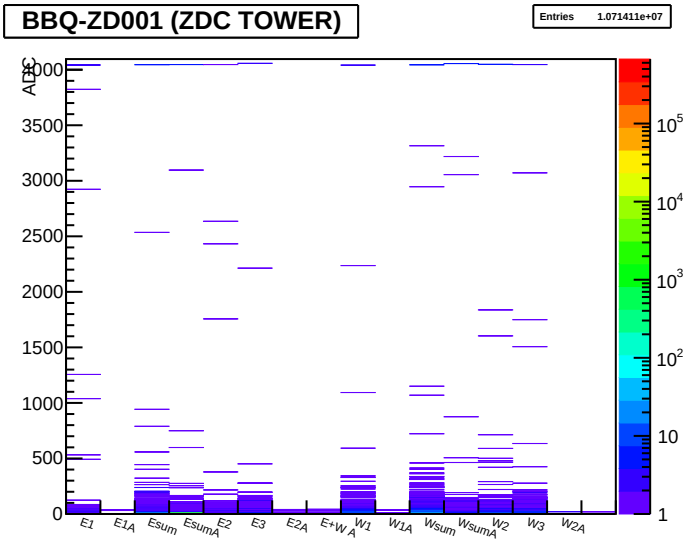

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

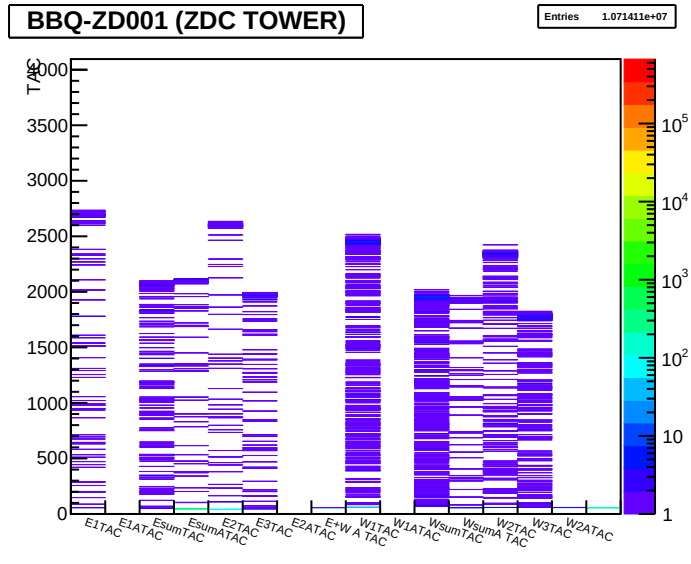

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.071411e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

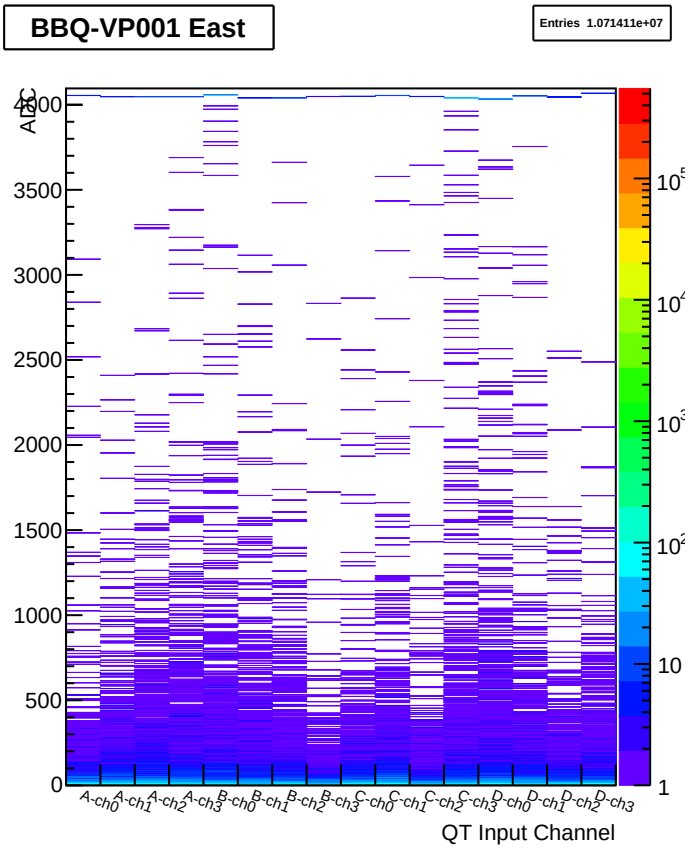

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.071411e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

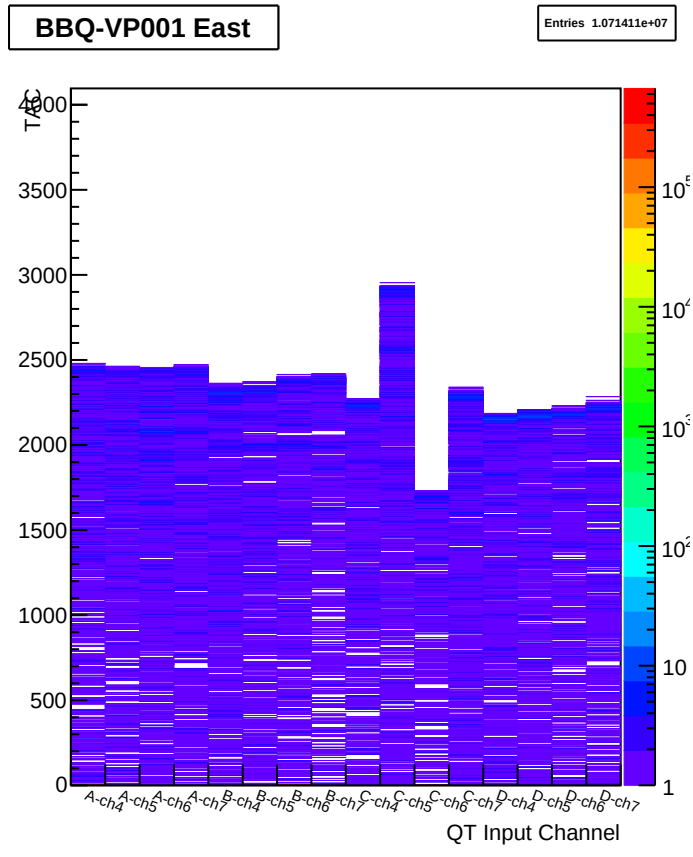

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.071411e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

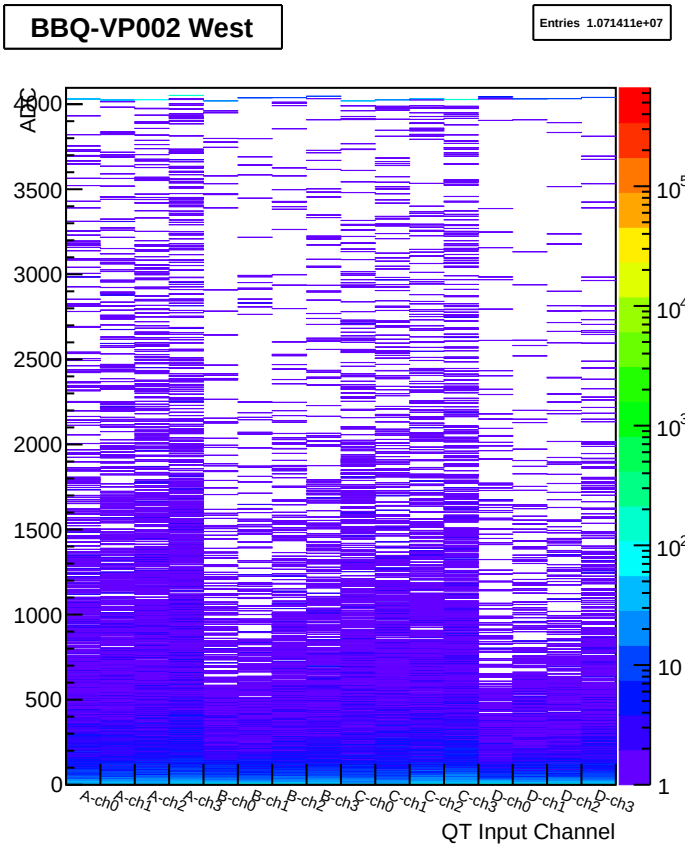

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.071411e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

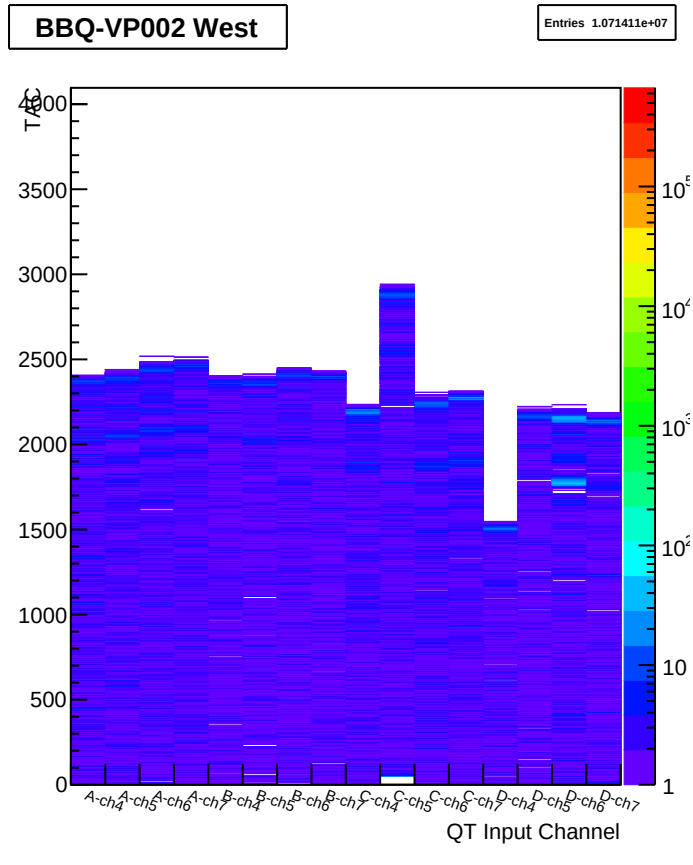

BBQ-ZD001 (ZDC TOWER)
Entries 1.071411e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

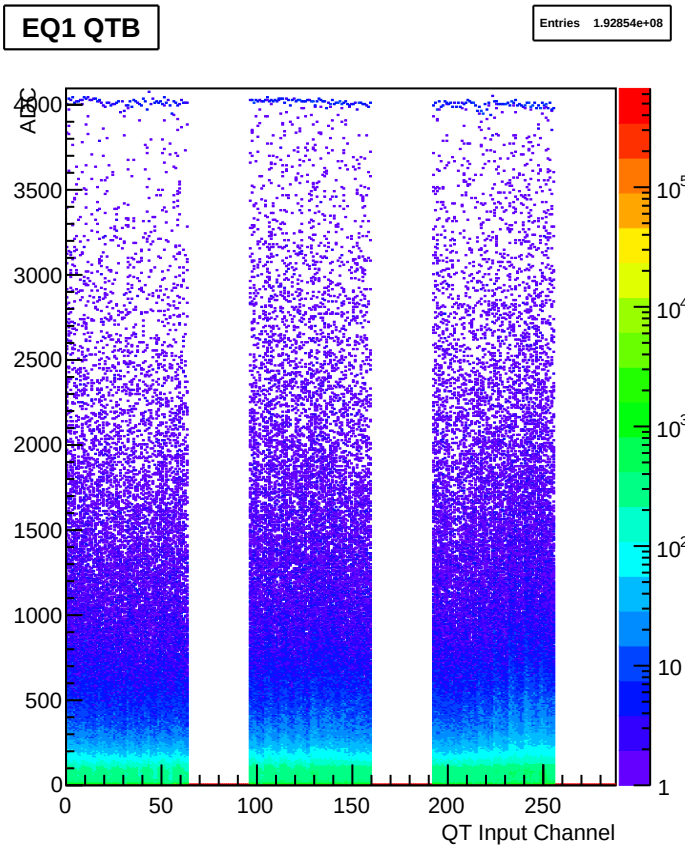

BBQ-ZD001 (ZDC TOWER)
Entries 1.071411e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

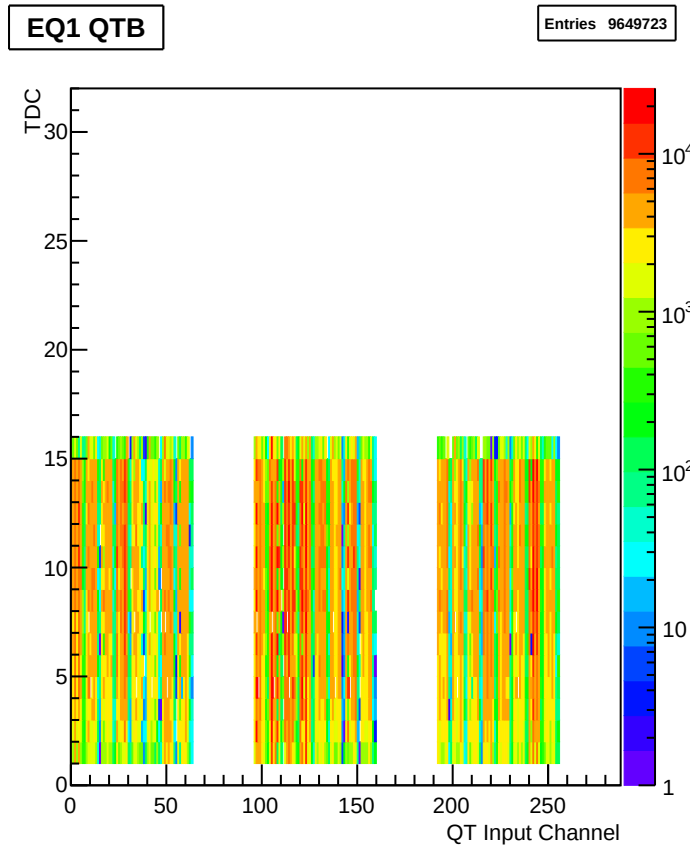

BBQ-VP001 East
Entries 1.071411e+07
ADC
QT Input Channel

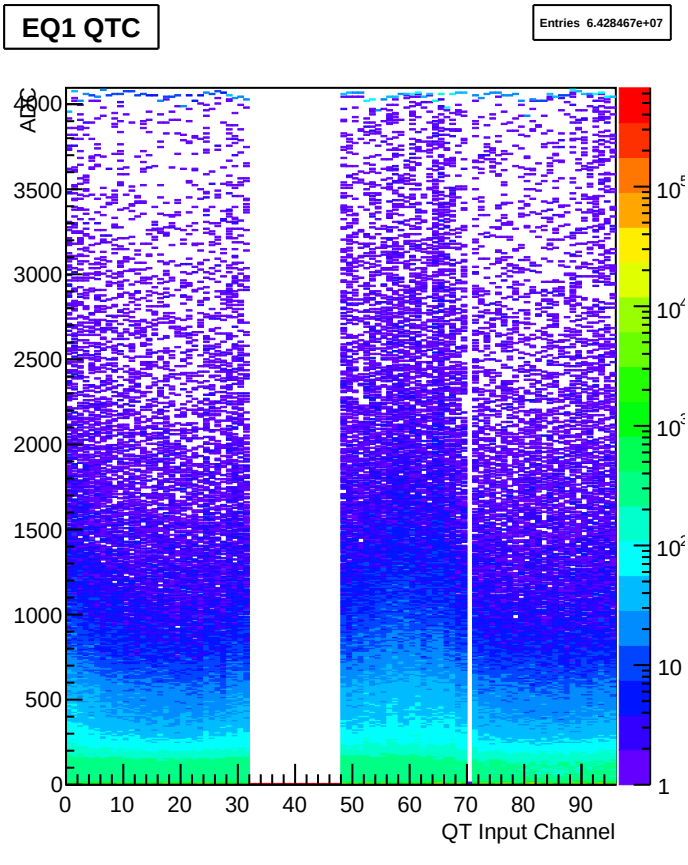

BBQ-VP001 East
Entries 1.071411e+07
TADC
QT Input Channel

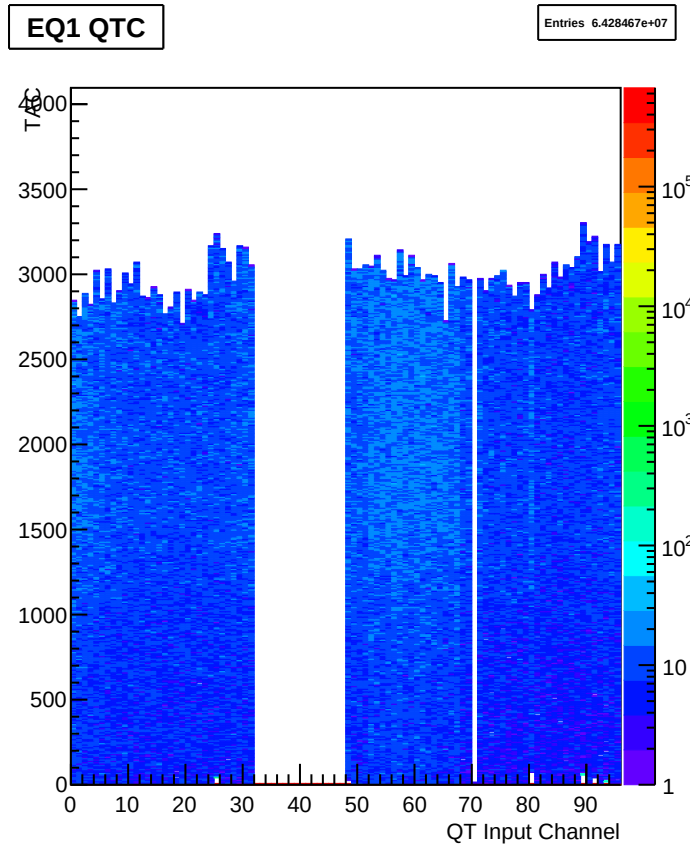

BBQ-VP002 West
Entries 1.071411e+07
ADC
QT Input Channel

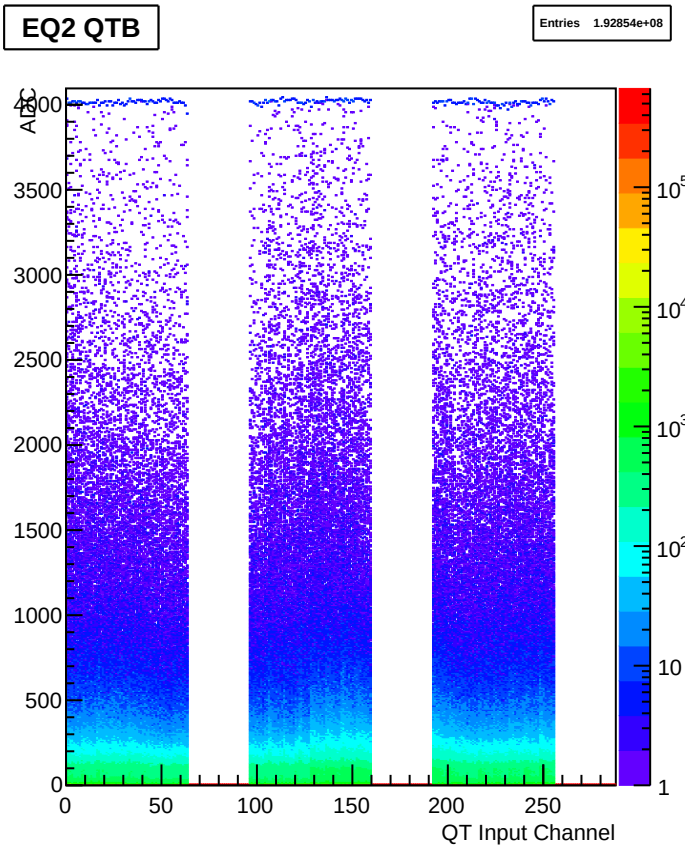

BBQ-VP002 West
Entries 1.071411e+07
TADC
QT Input Channel

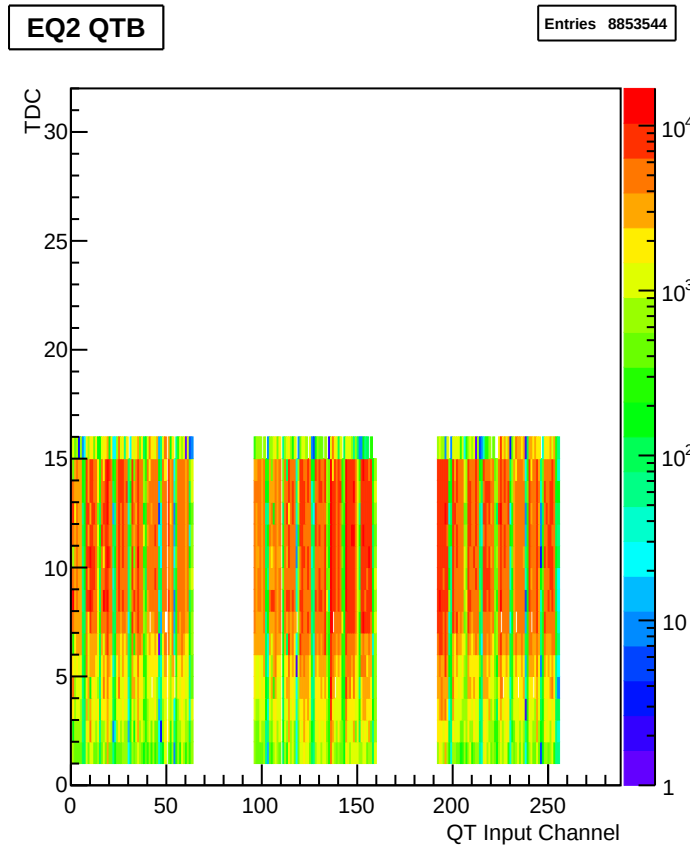

EQ1 QTB
Entries 1.92854e+08
ADC
QT Input Channel

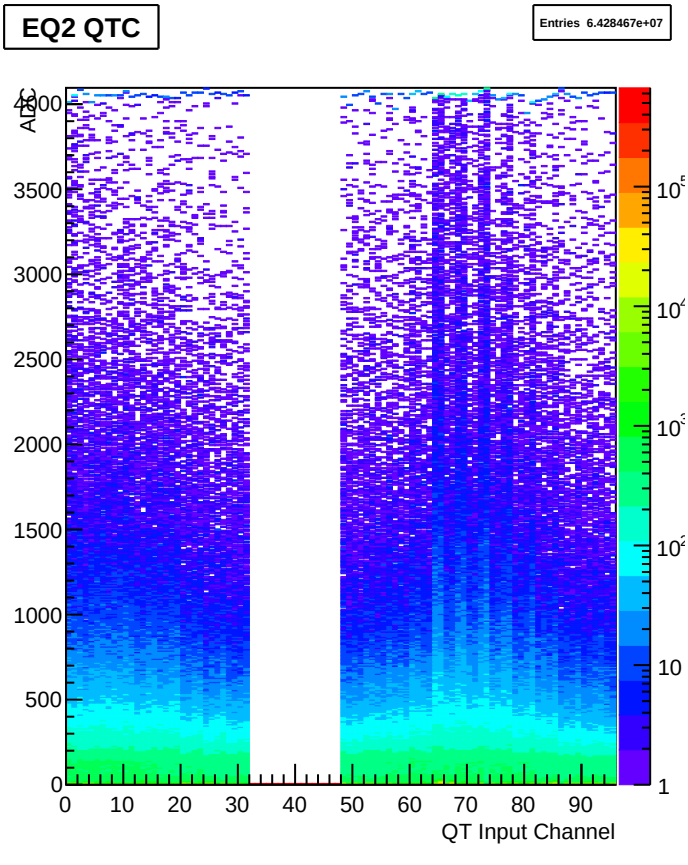

EQ1 QTB
Entries 9649723
TDC
QT Input Channel

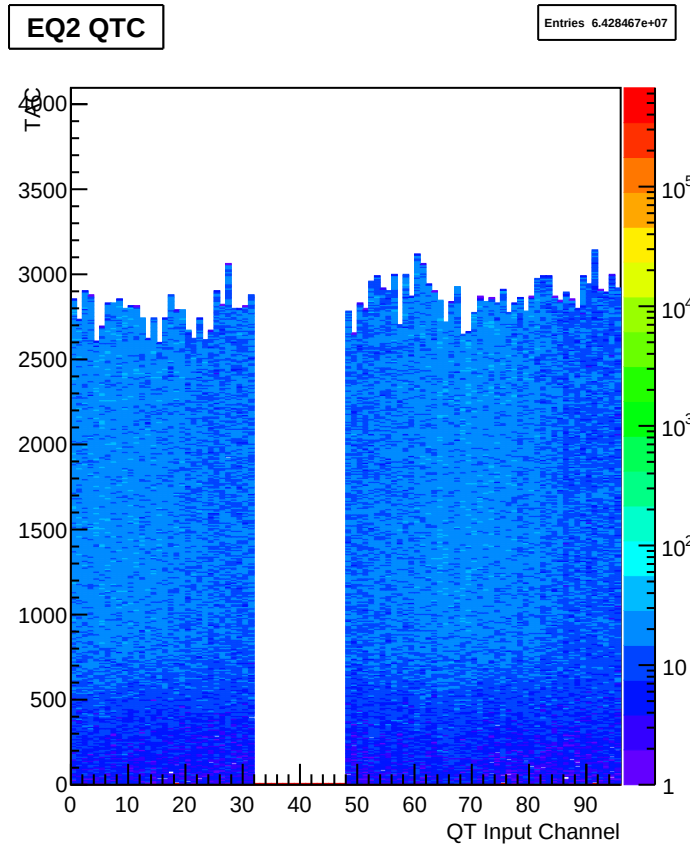

EQ1 QTC
Entries 6.428467e+07
ADC
QT Input Channel

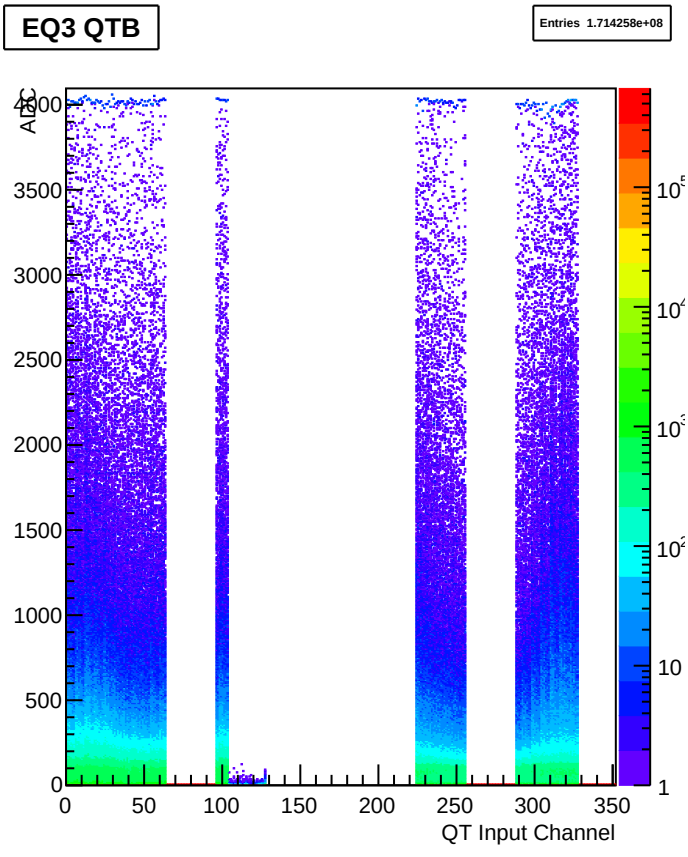

EQ1 QTC
Entries 6.428467e+07
TADC
QT Input Channel

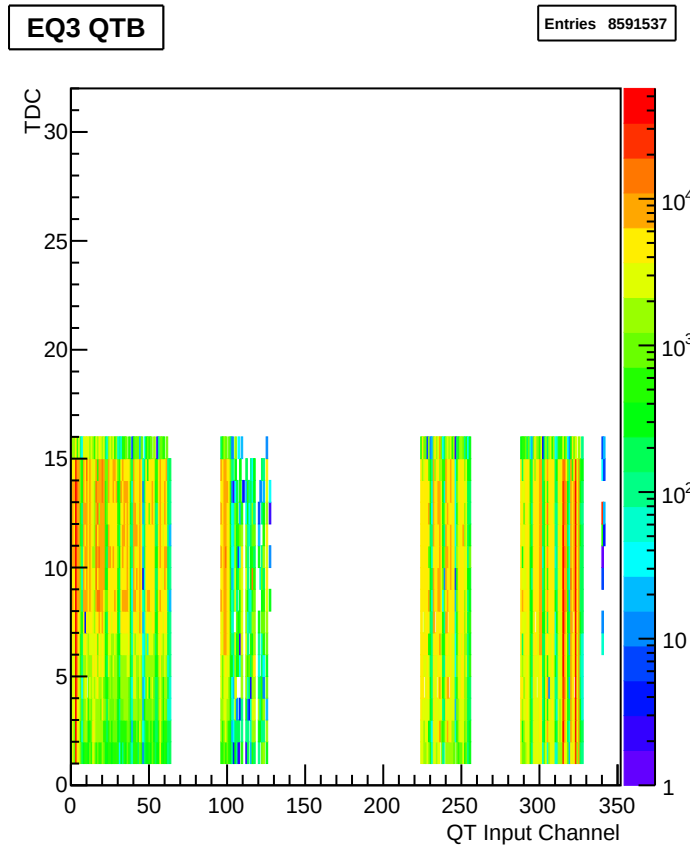

EQ2 QTB
Entries 1.92854e+08
ADC
QT Input Channel

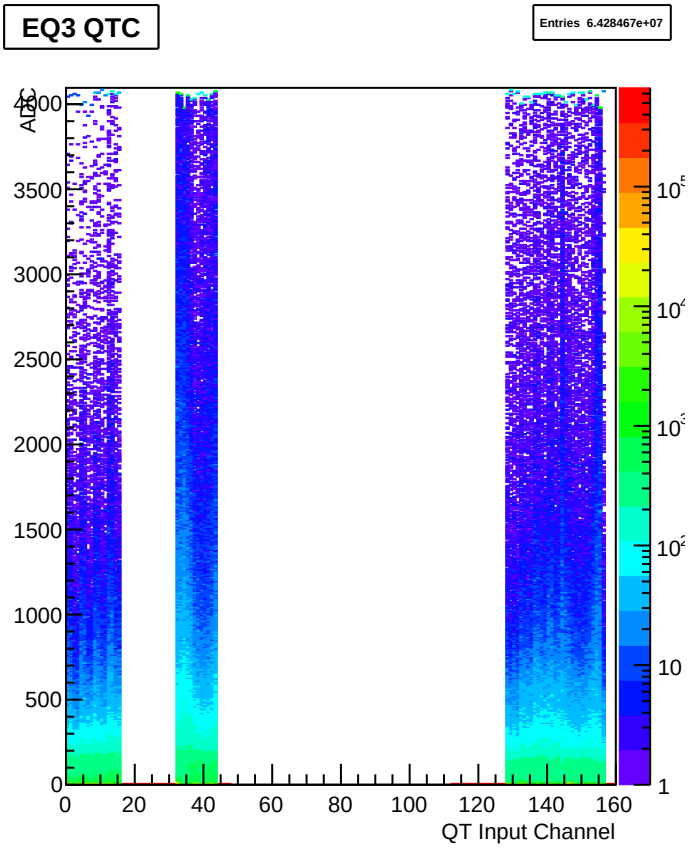

EQ2 QTB
Entries 8853544
TDC
QT Input Channel

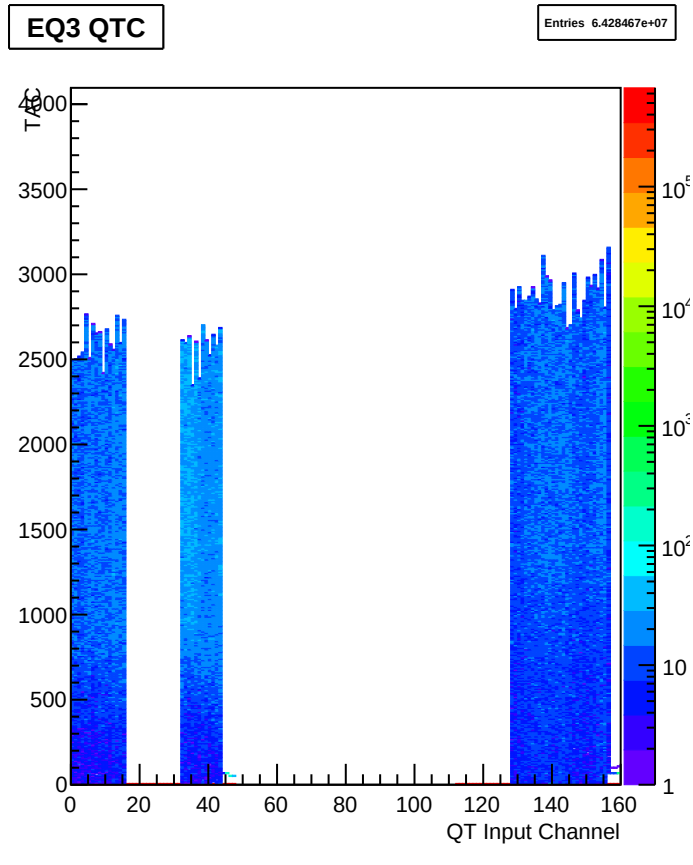

EQ2 QTC
Entries 6.428467e+07
ADC
QT Input Channel

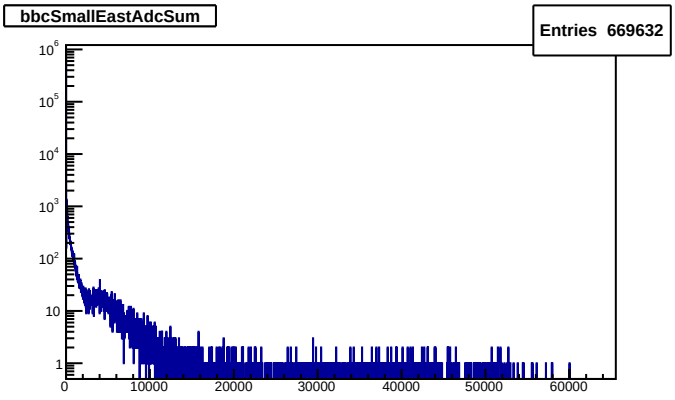

EQ2 QTC
Entries 6.428467e+07
TADC
QT Input Channel

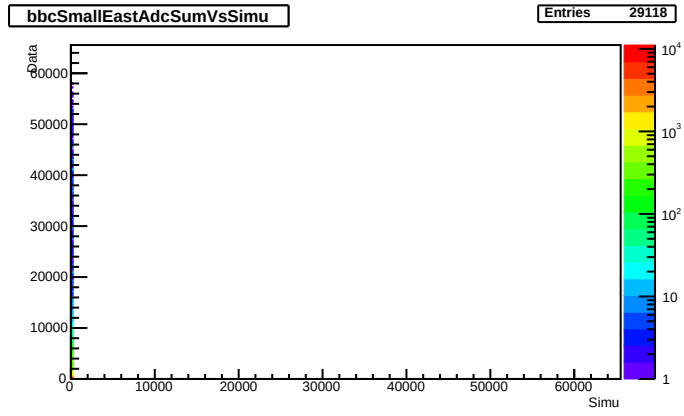

EQ3 QTB
Entries 1.714258e+08
ADC
QT Input Channel

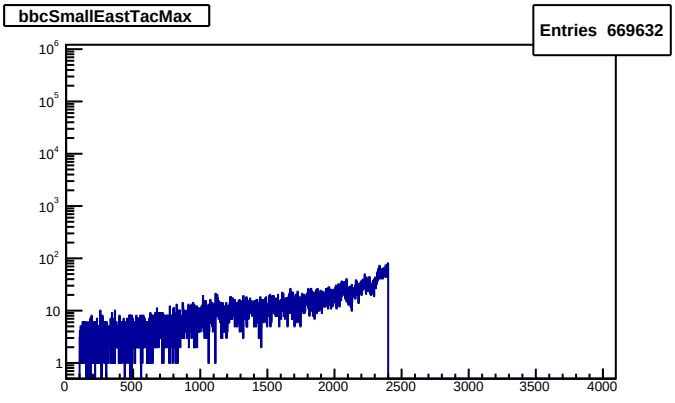

EQ3 QTB
Entries 8591537
TDC
QT Input Channel

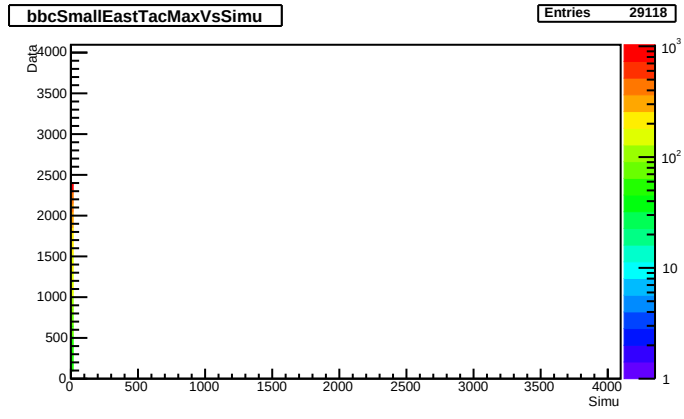

EQ3 QTC
Entries 6.428467e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.428467e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 669632


bbcSmallEastAdcSumVsSimu
Entries 29118
Data
Simu


bbcSmallEastTacMax
Entries 669632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Entries 29118
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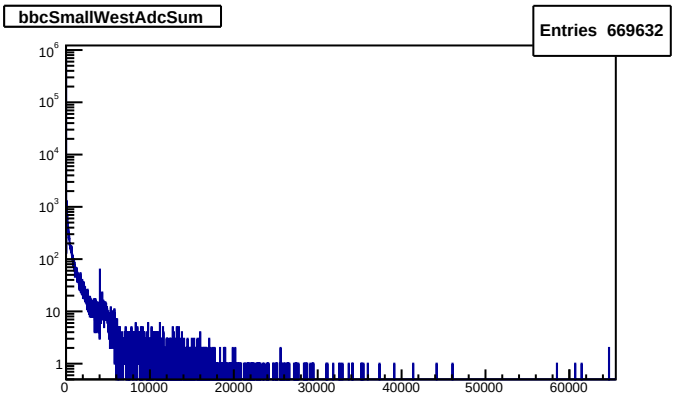
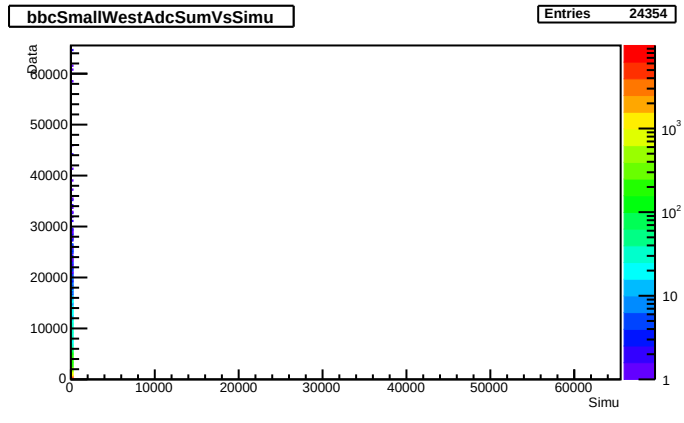

bbcSmallWestAdcSum
Entries 669632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Entries 24354
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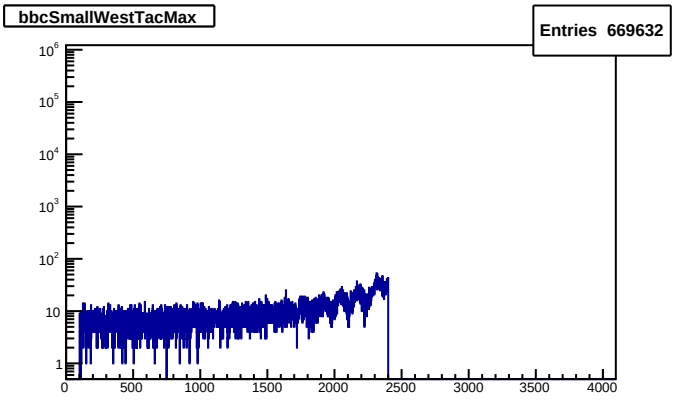
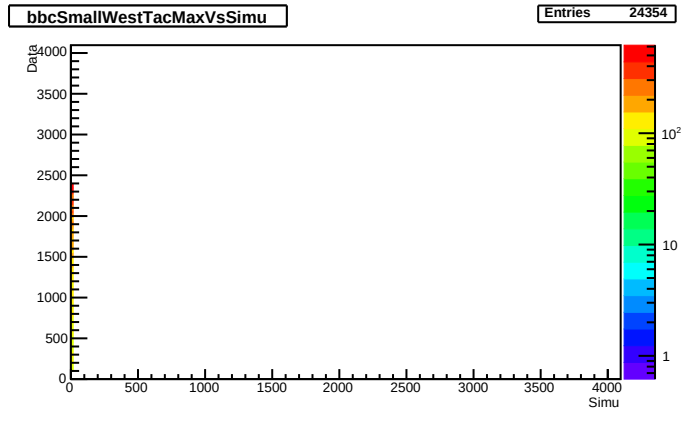
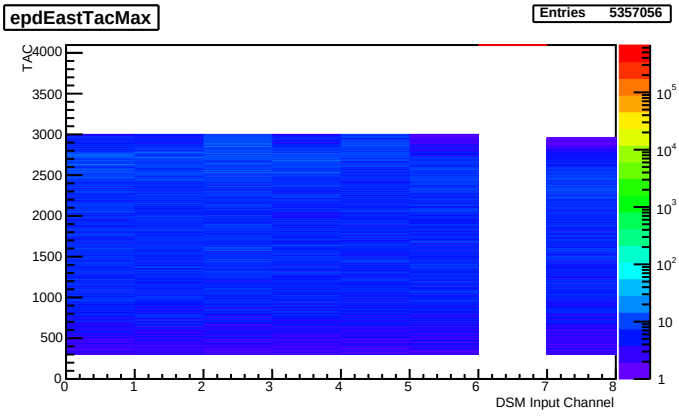
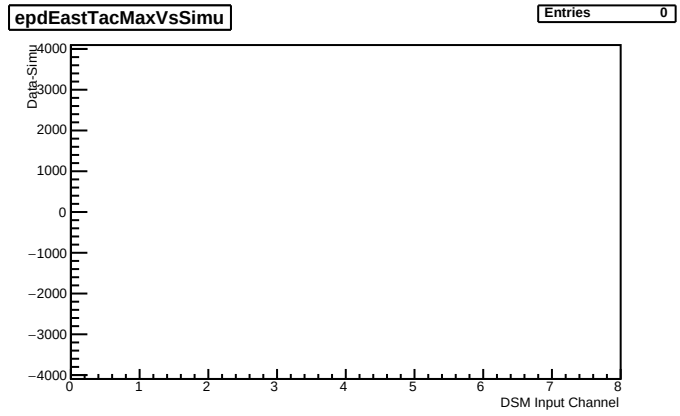
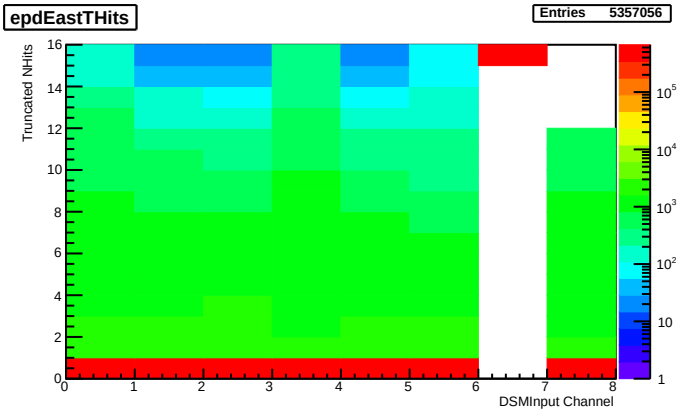
Simu

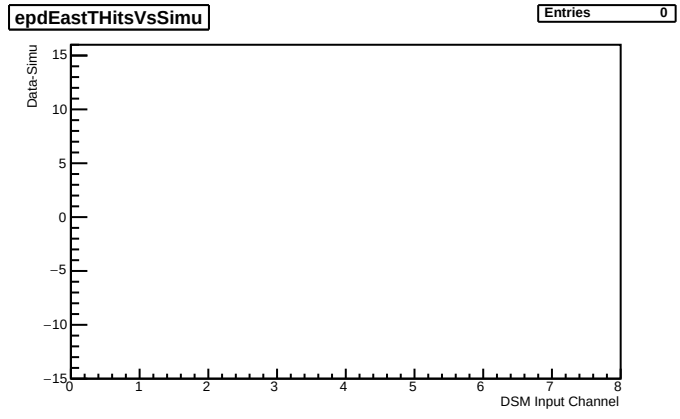

bbcSmallWestTacMax
Entries 669632


bbcSmallWestTacMaxVsSimu
Entries 24354
Data
Simu


epdEastTacMax
Entries 5357056
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5357056
Truncated NHits
DSMInput Channel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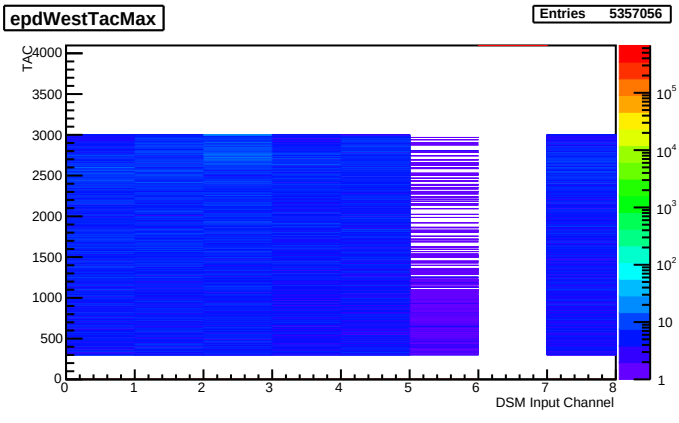
Data-Simu
DSM Input Channel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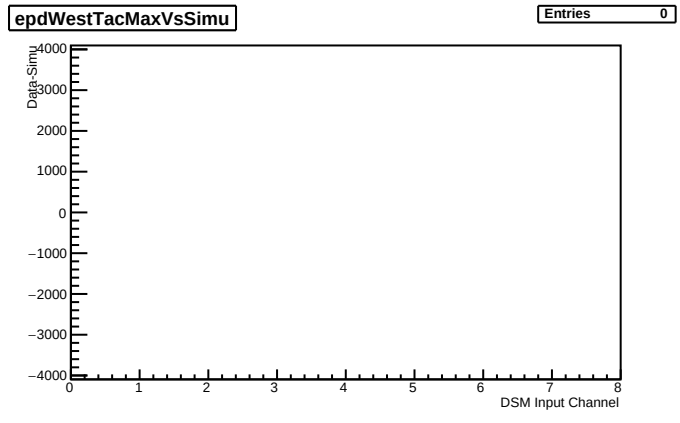
Entries 5357056
TAC
DSM Input Channel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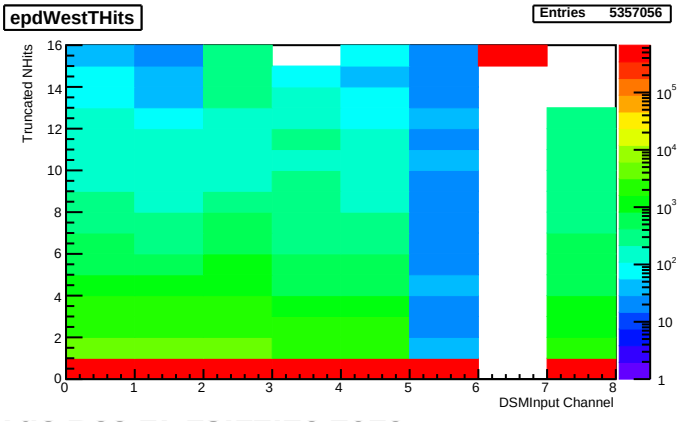
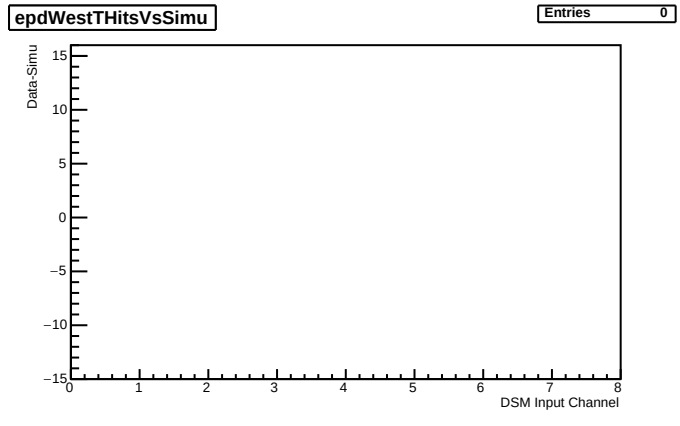
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5357056
Truncated NHits
DSMInput Channel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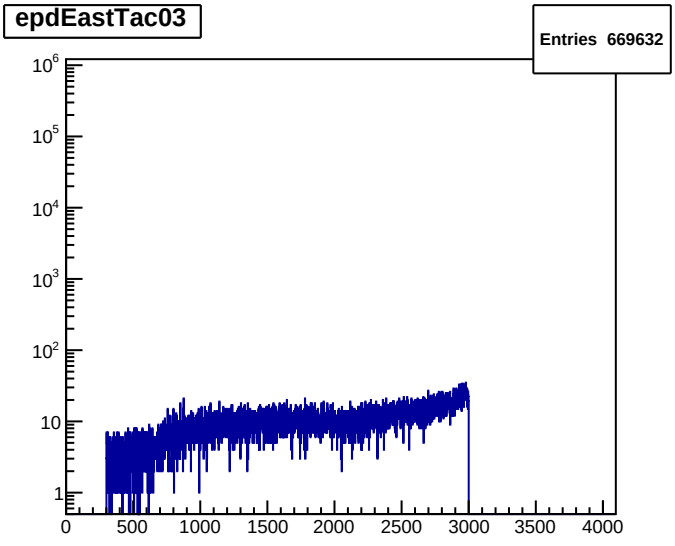
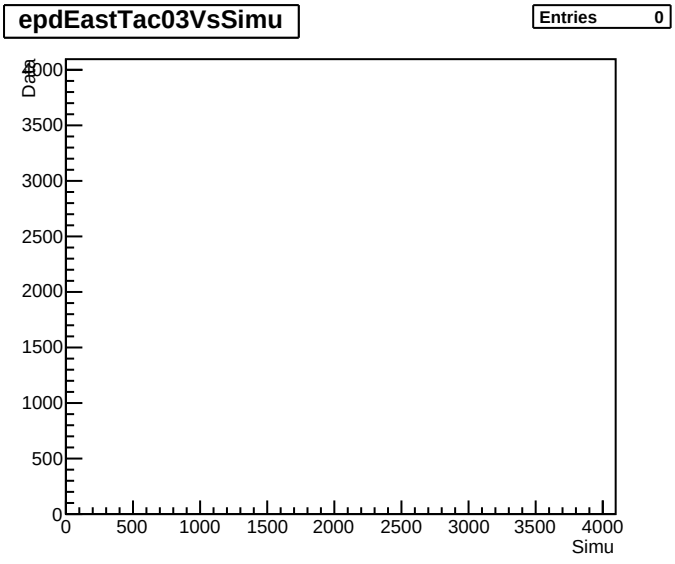
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 669632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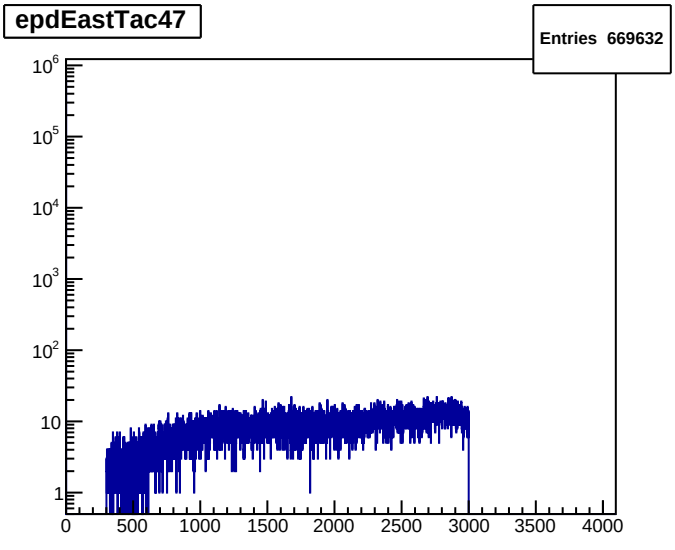
Entries 0
Data
Simu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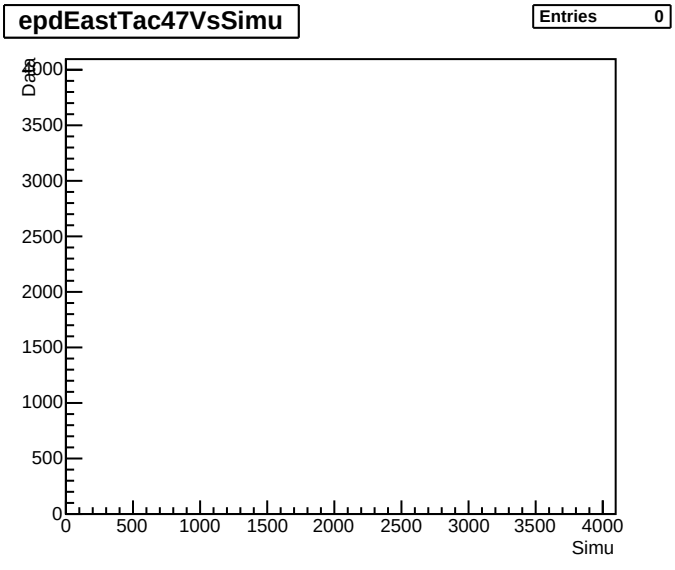
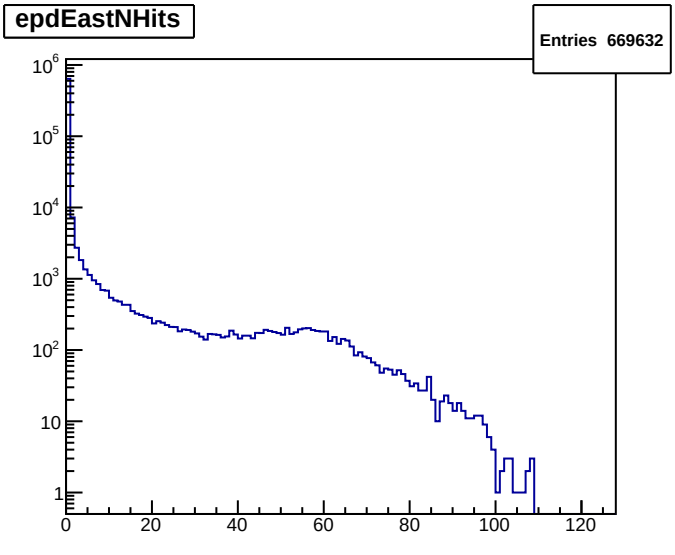
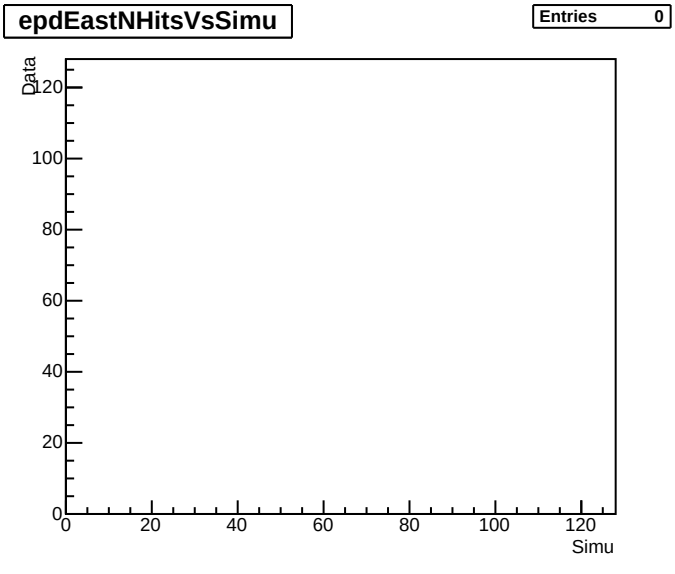
Entries 669632


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 669632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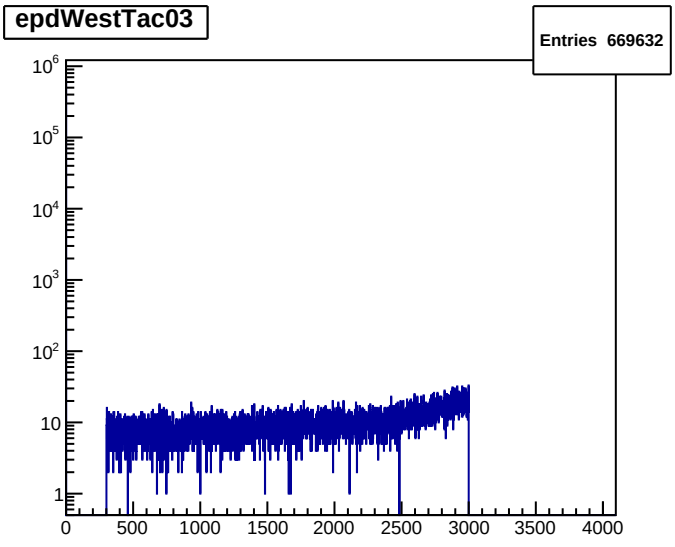
Entries 0
Data
Simu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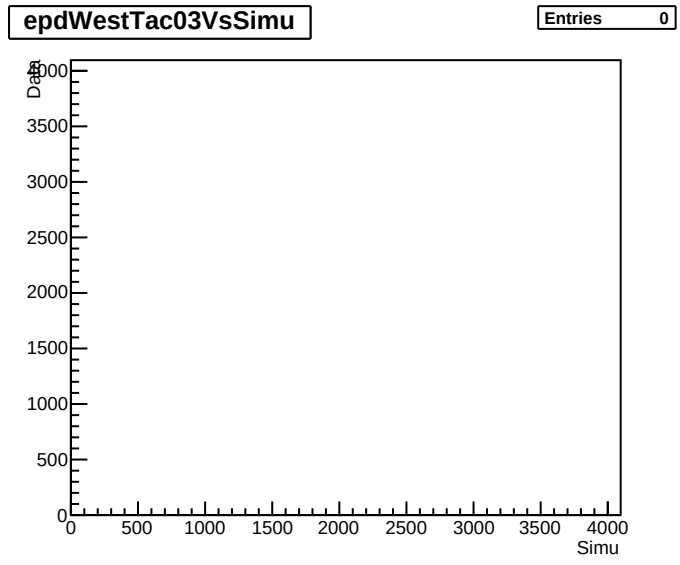
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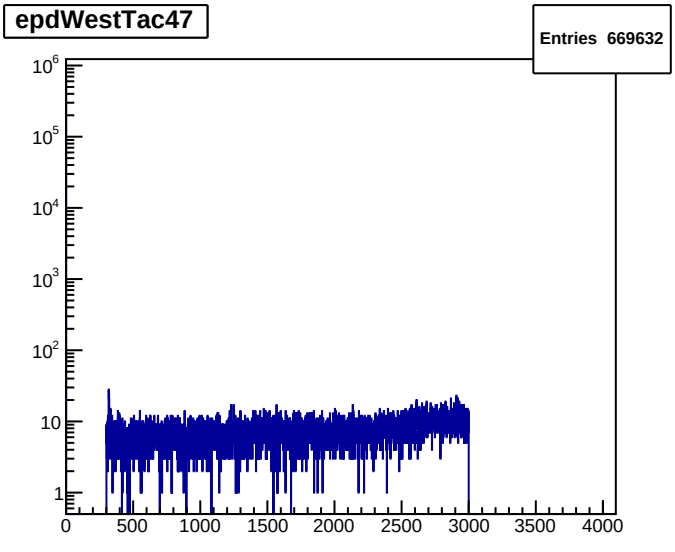
Entries 0
Data
Simu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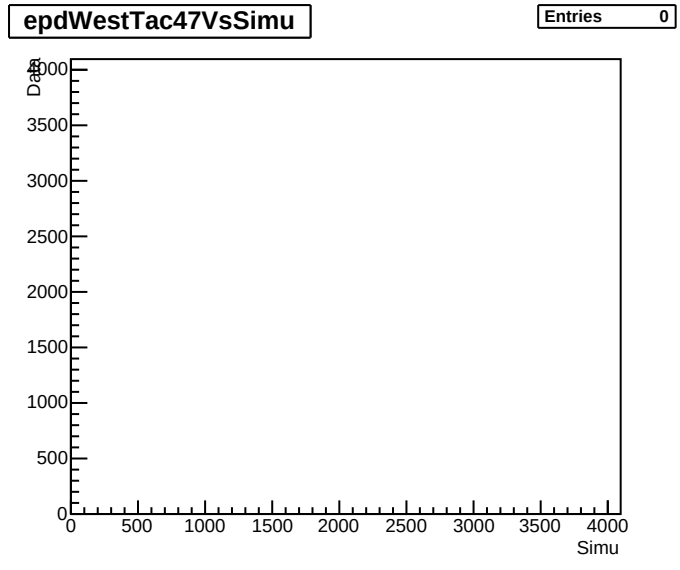
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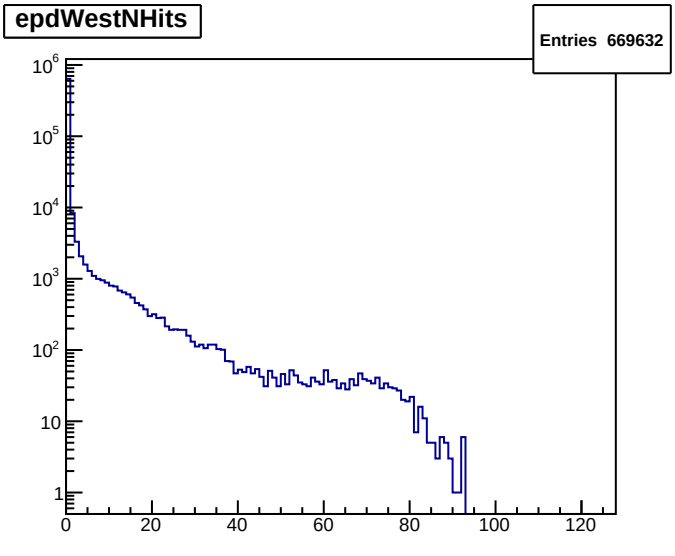
Entries 0
Data
Simu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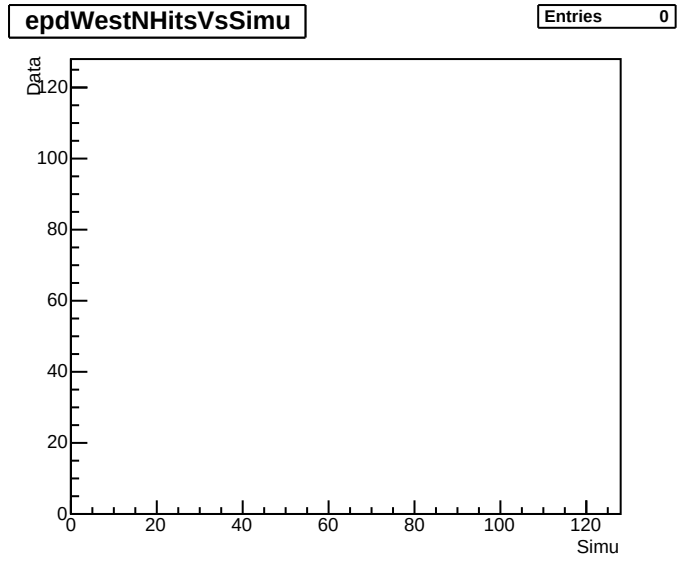
Entries 669632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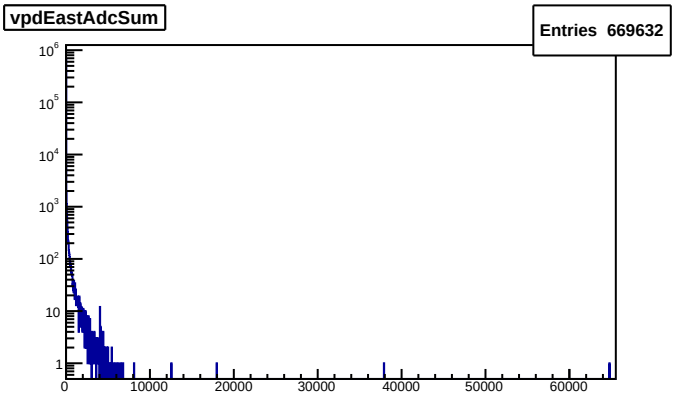
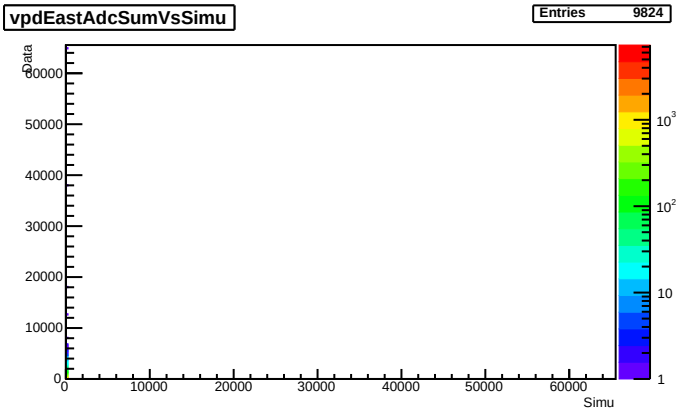
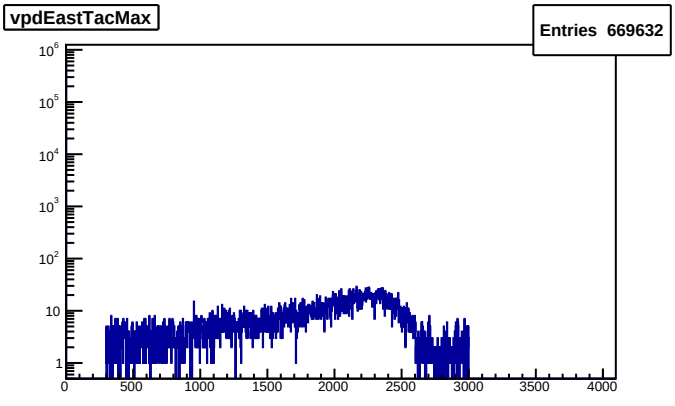
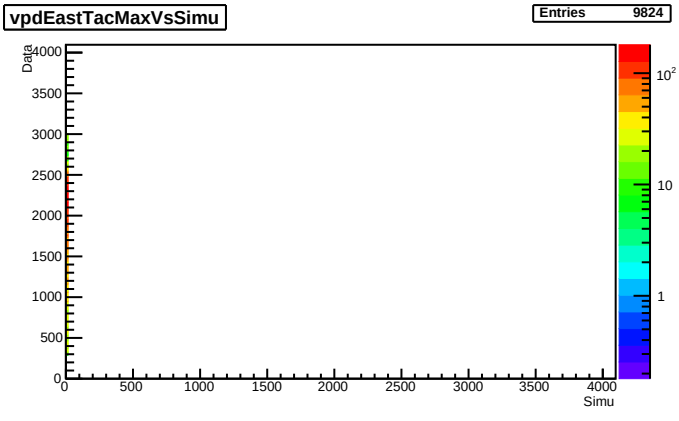
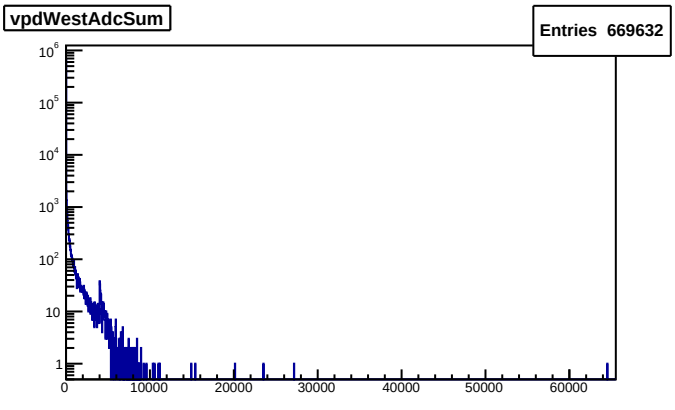
Entries 0
Data
Simu

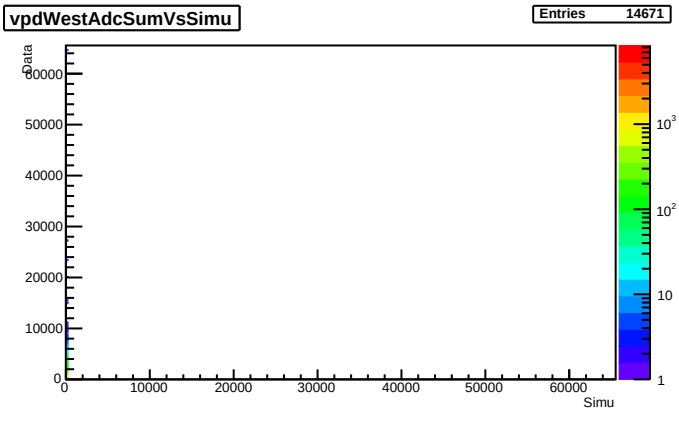

vpdEastAdcSum
Entries 669632

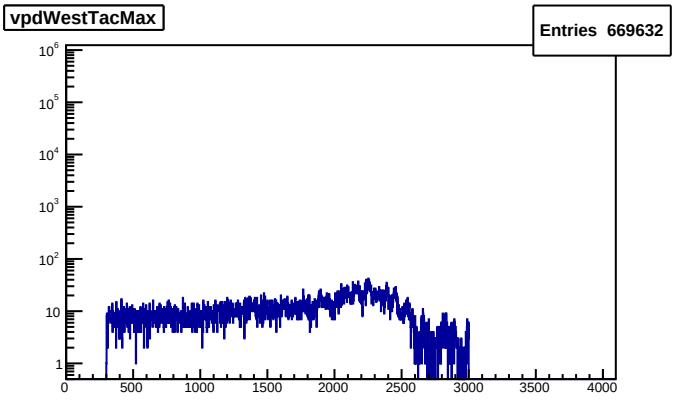

vpdEastAdcSumVsSimu
Entries 9824
Data
Simu

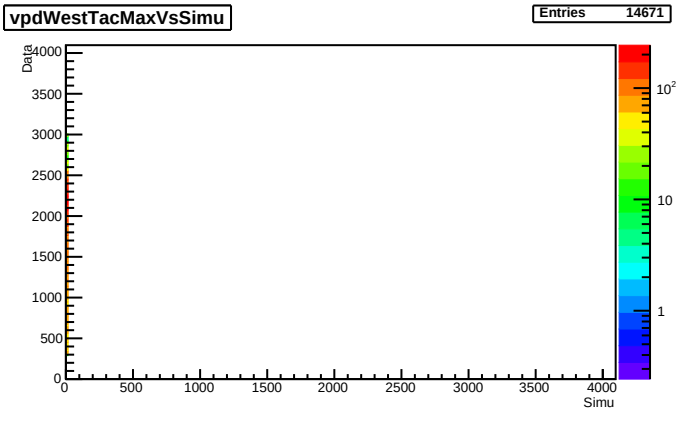

vpdEastTacMax
Entries 669632

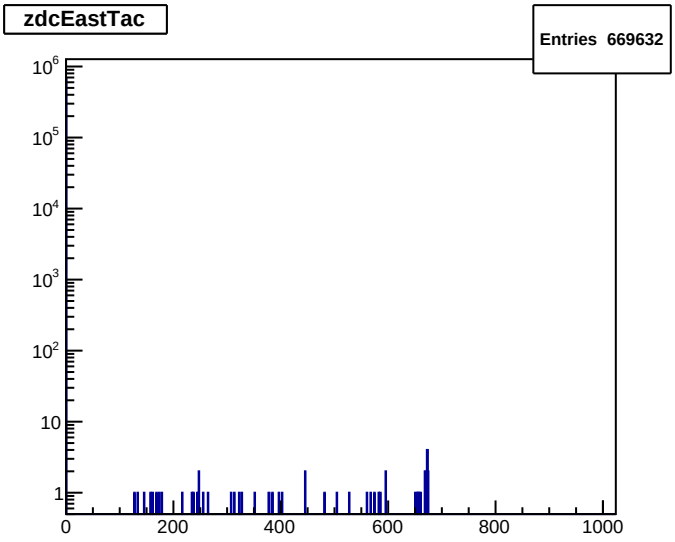

vpdEastTacMaxVsSimu
Entries 9824
Data
Simu

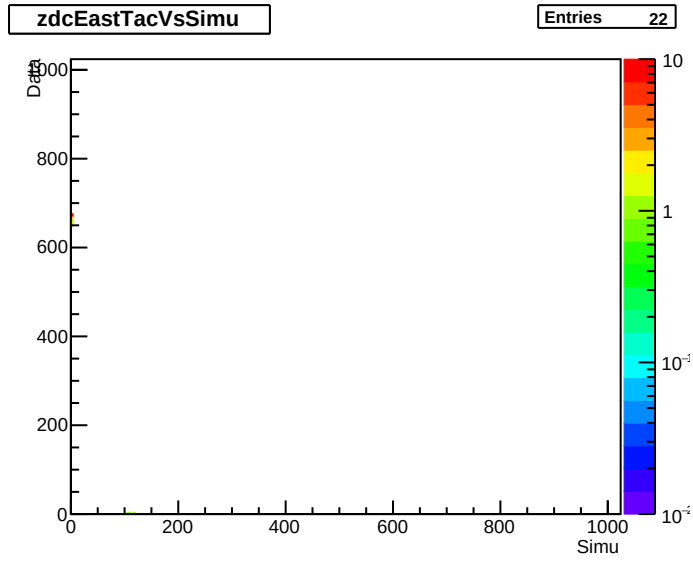

vpdWestAdcSum
Entries 669632

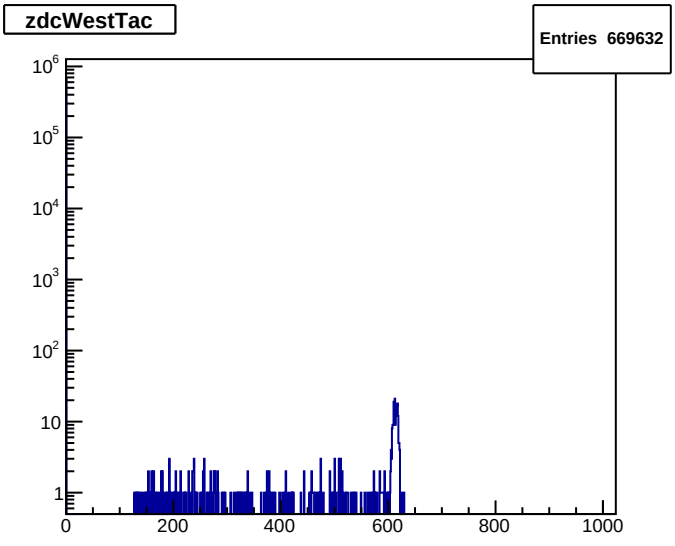

vpdWestAdcSumVsSimu
Entries 14671
Data
Simu

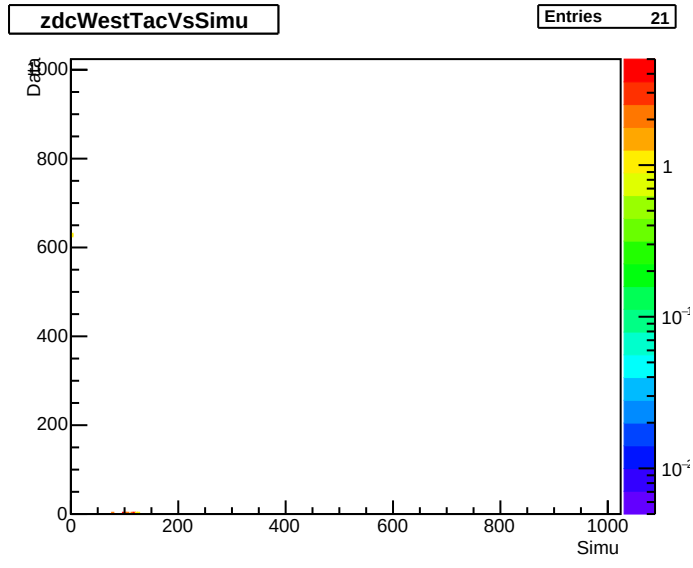

vpdWestTacMax
Entries 669632

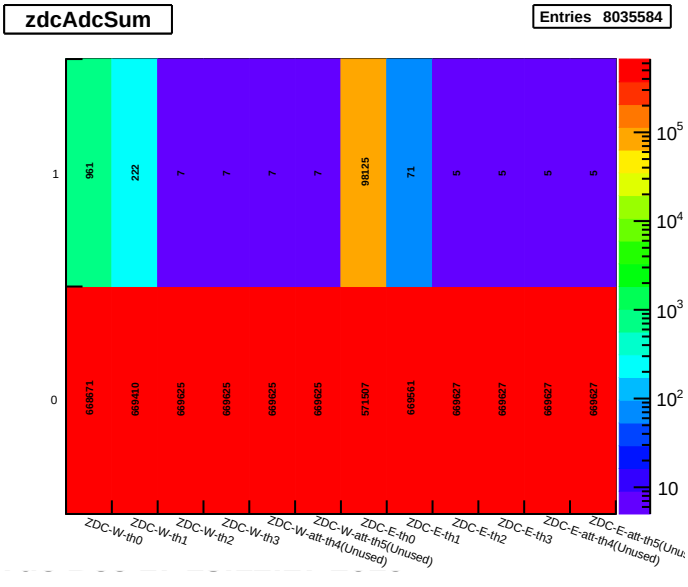

vpdWestTacMaxVsSimu
Entries 14671
Data
Simu

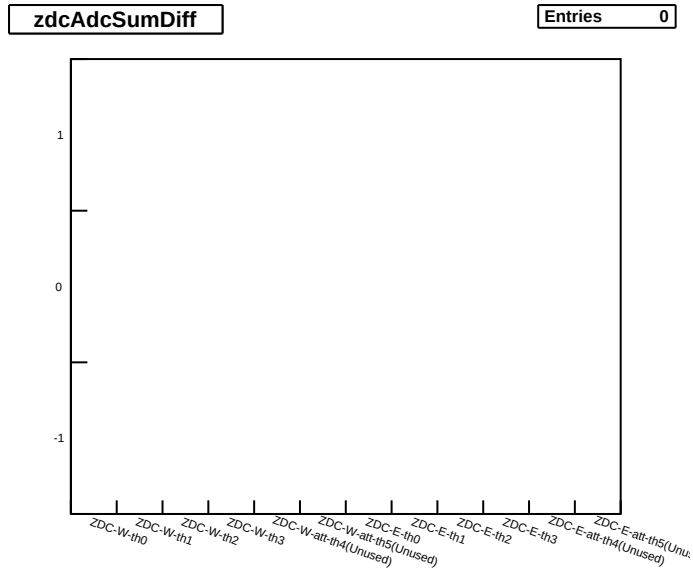

zdcEastTac
Entries 669632

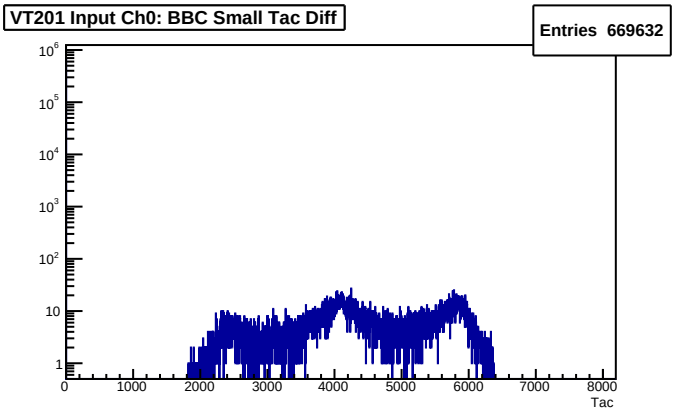

zdcEastTacVsSimu
Entries 22
Data
Simu

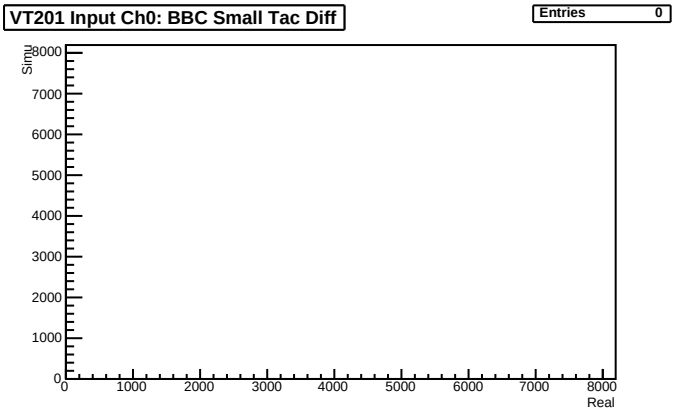

zdcWestTac
Entries 669632

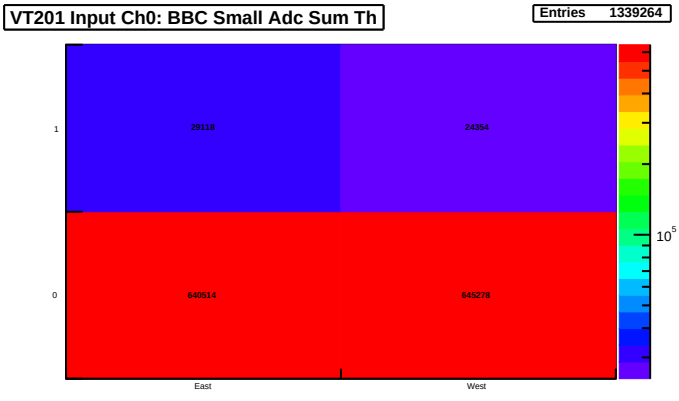

zdcWestTacVsSimu
Entries 21
Data
Simu

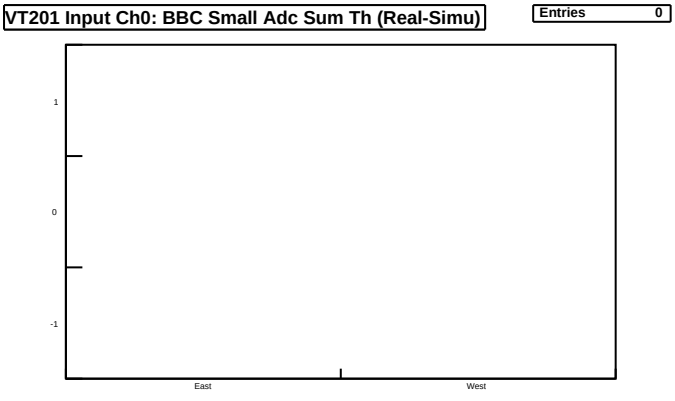

zdcAdcSum
Entries 8035584
961
222
7
7
7
7
98125
71
5
5
5
5
669671
669410
669625
669625
669625
669625
571507
669561
669627
669627
669627
669627
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

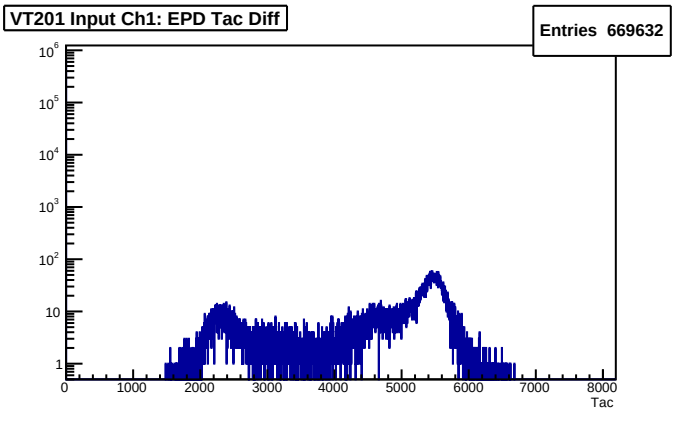

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

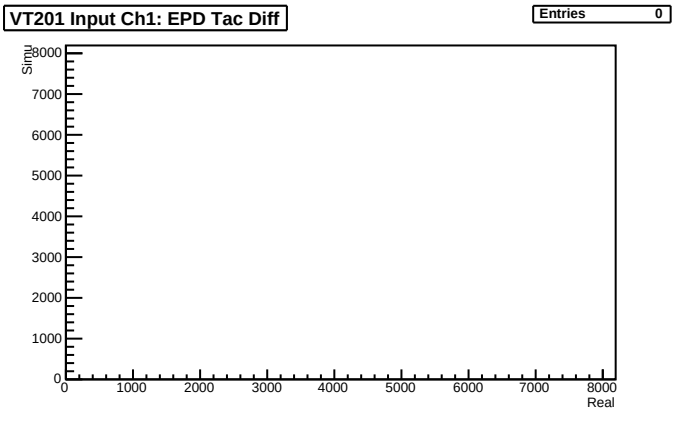

VT201 Input Ch0: BBC Small Tac Diff
Entries 669632
Tac

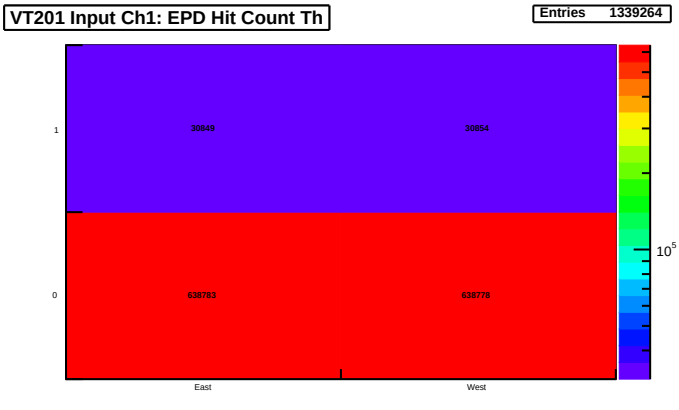

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

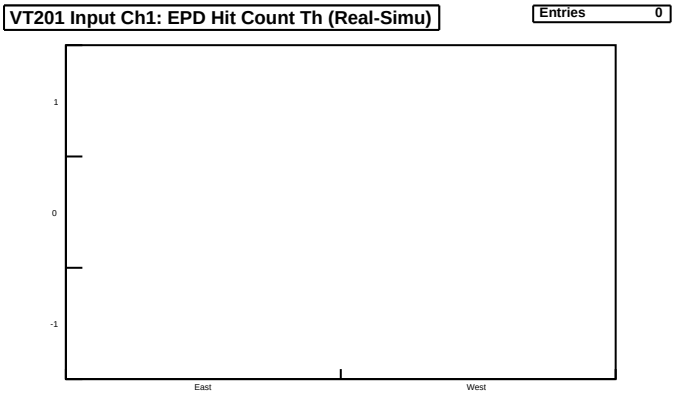

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1339264
29118
24354
640514
645278
East
West

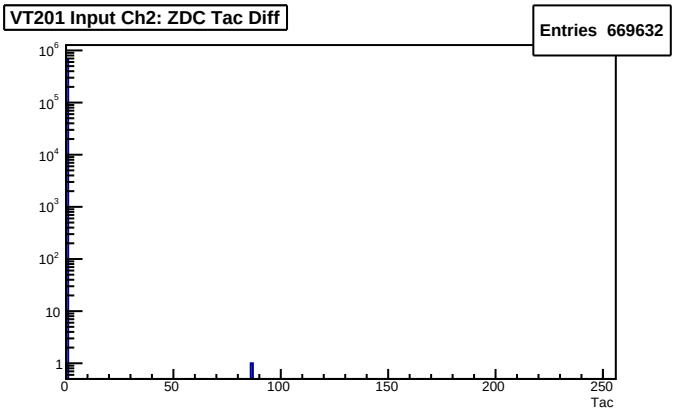

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

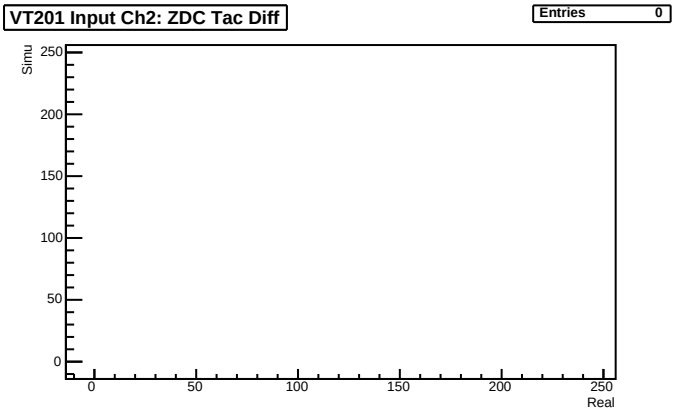

VT201 Input Ch1: EPD Tac Diff
Entries 669632
Tac

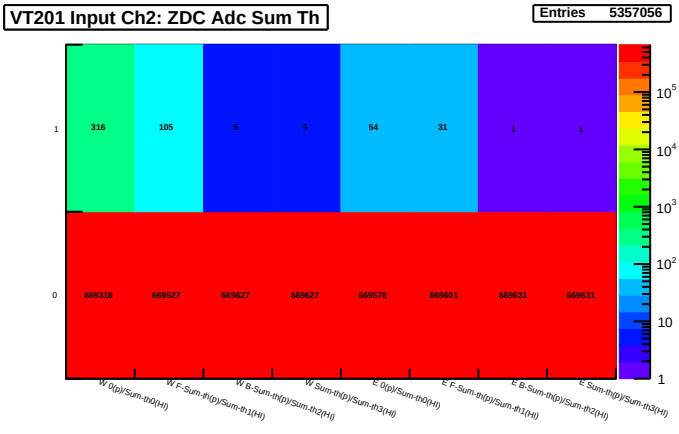

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

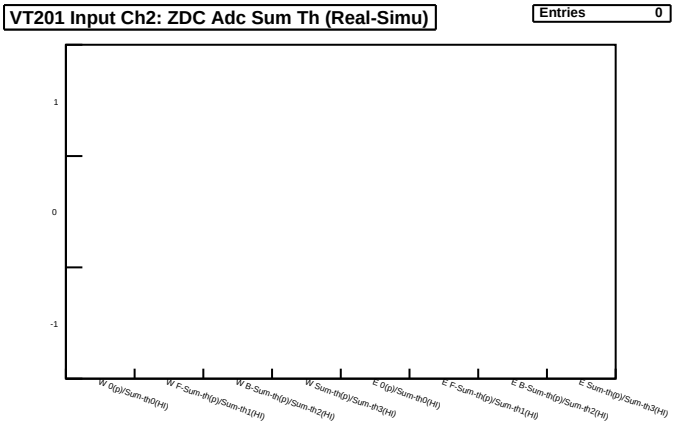

VT201 Input Ch1: EPD Hit Count Th
Entries 1339264
30849
30854
638783
638778
East
West

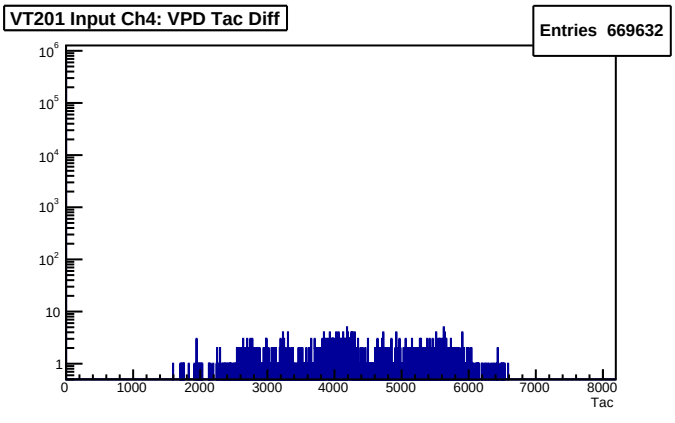

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

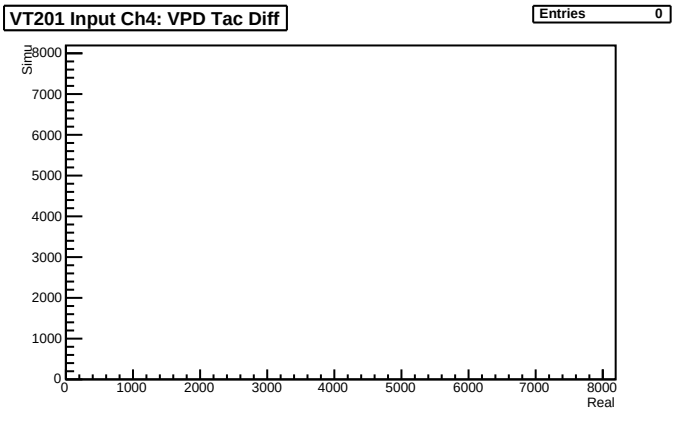

VT201 Input Ch2: ZDC Tac Diff
Entries 669632
Tac

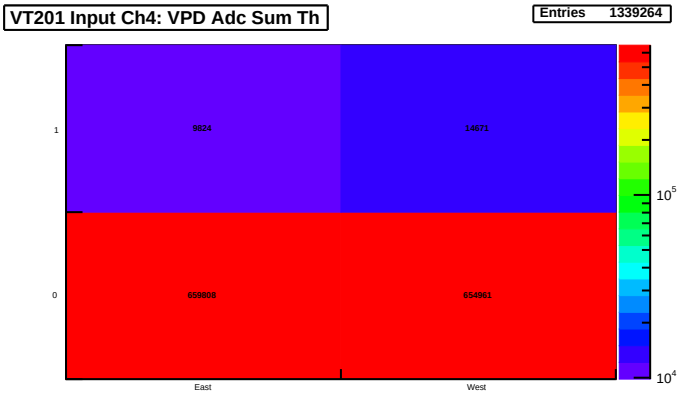

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

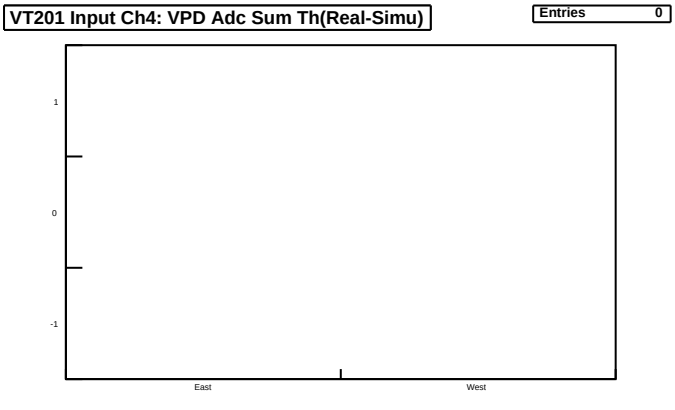

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5357056
316
105
5
5
54
31
1
1
669316
669527
669627
669627
669578
669601
669631
669631
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

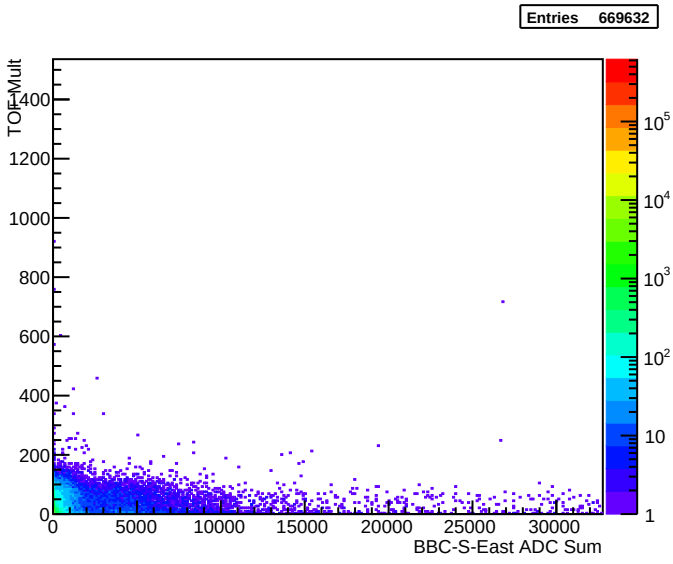

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

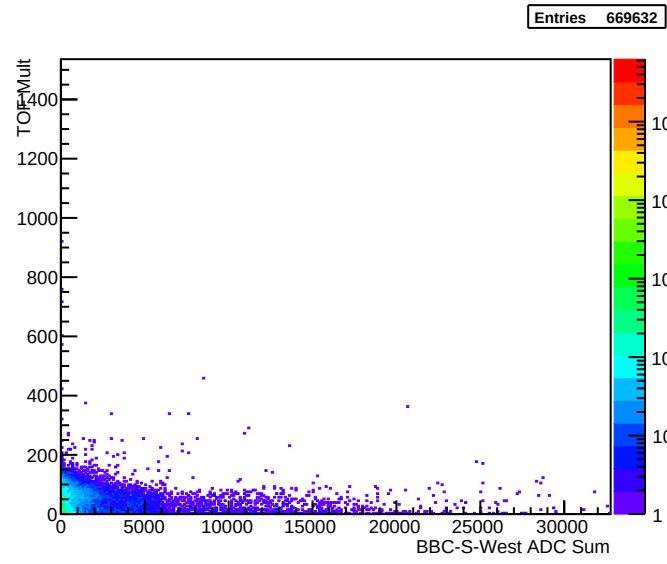

VT201 Input Ch4: VPD Tac Diff
Entries 669632
Tac

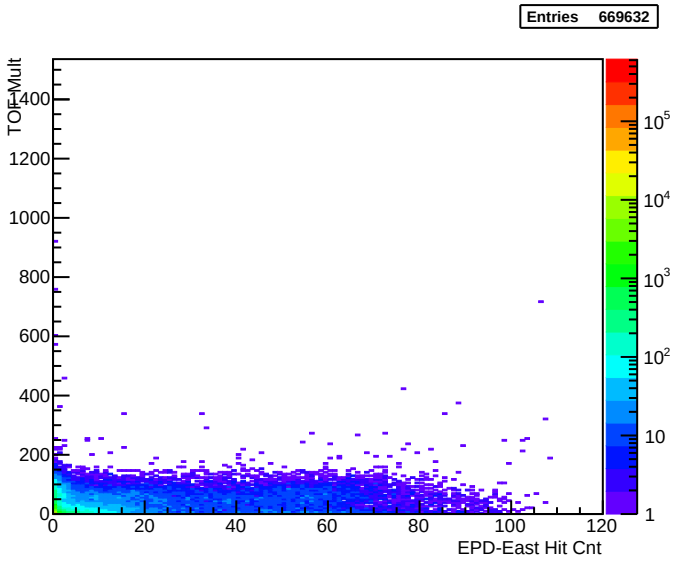

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

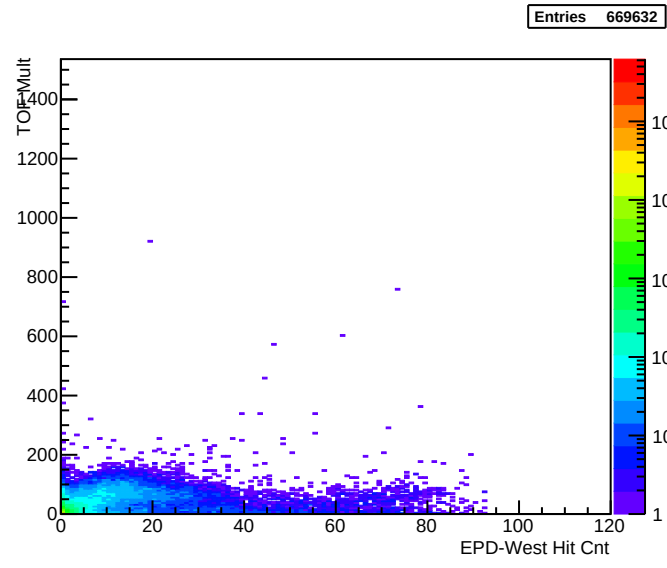

VT201 Input Ch4: VPD Adc Sum Th
Entries 1339264
9824
14671
659808
654961
East
West

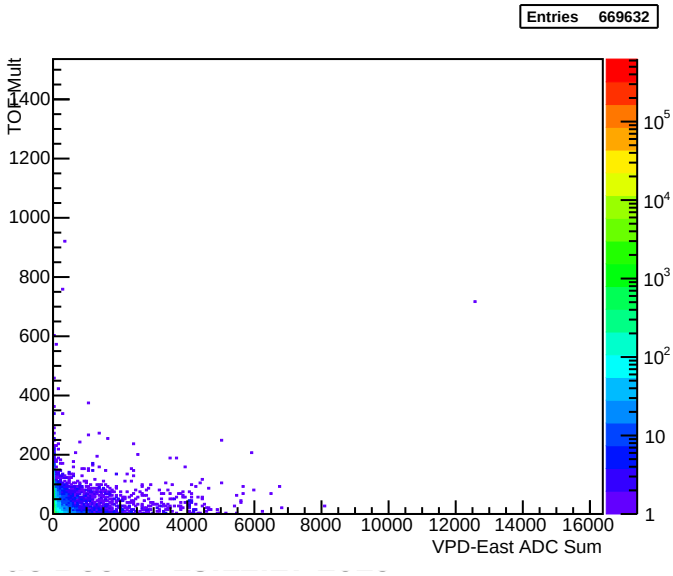

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

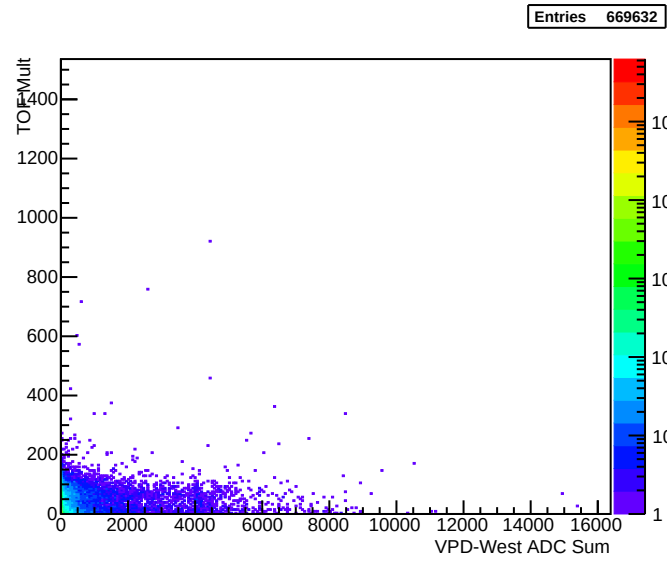

Entries 669632
TOF-Mult
BBC-S-East ADC Sum

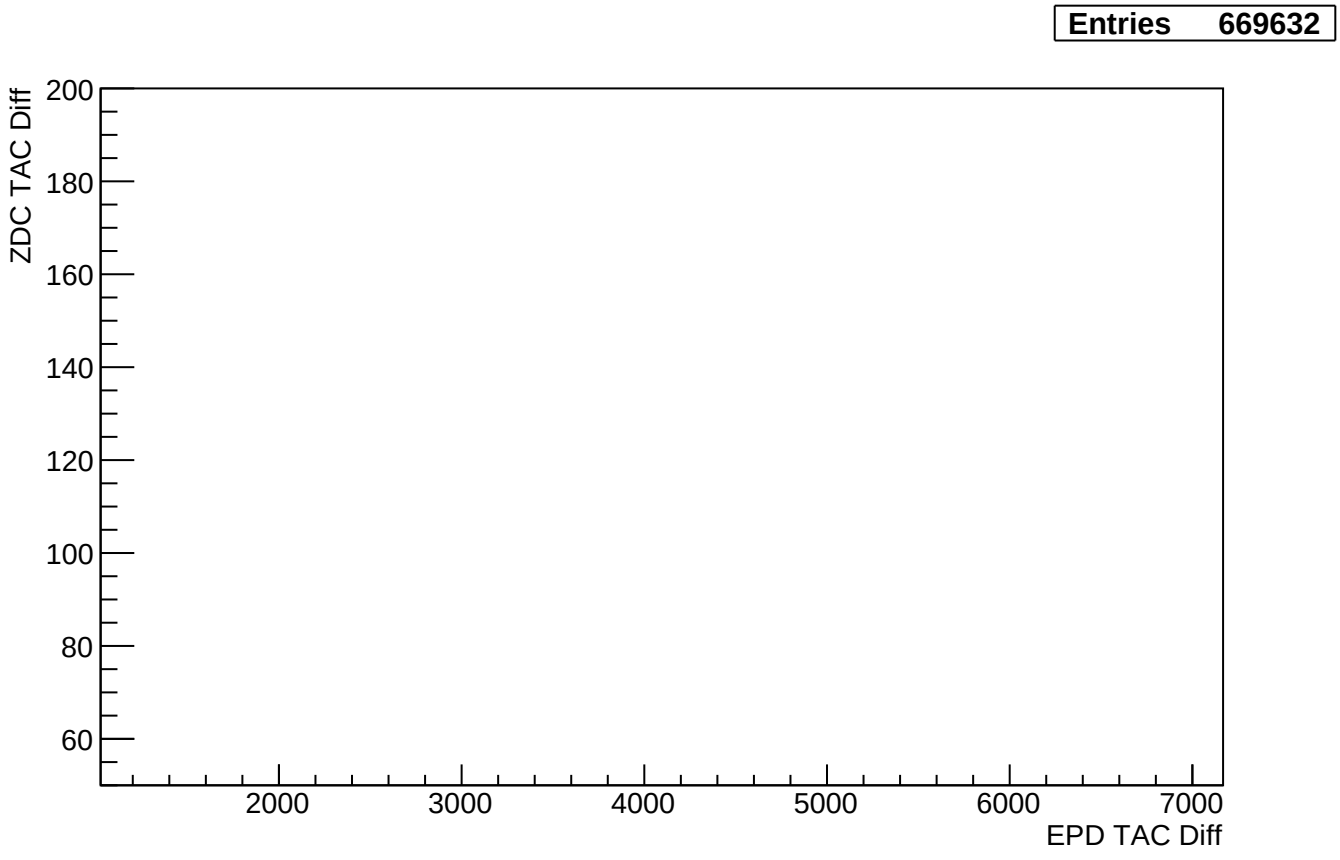

Entries 669632
TOF-Mult
BBC-S-West ADC Sum

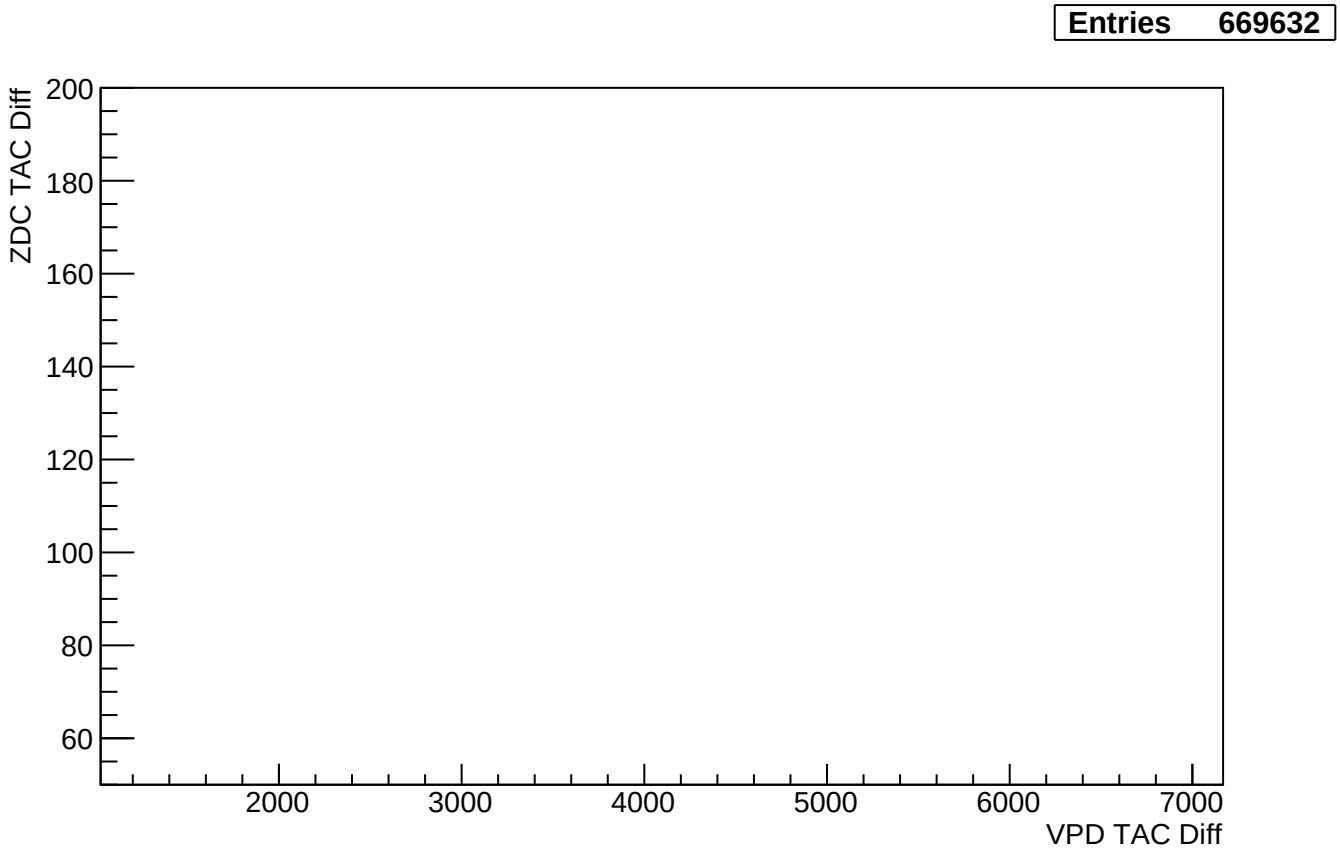

Entries 669632
TOF-Mult
EPD-East Hit Cnt

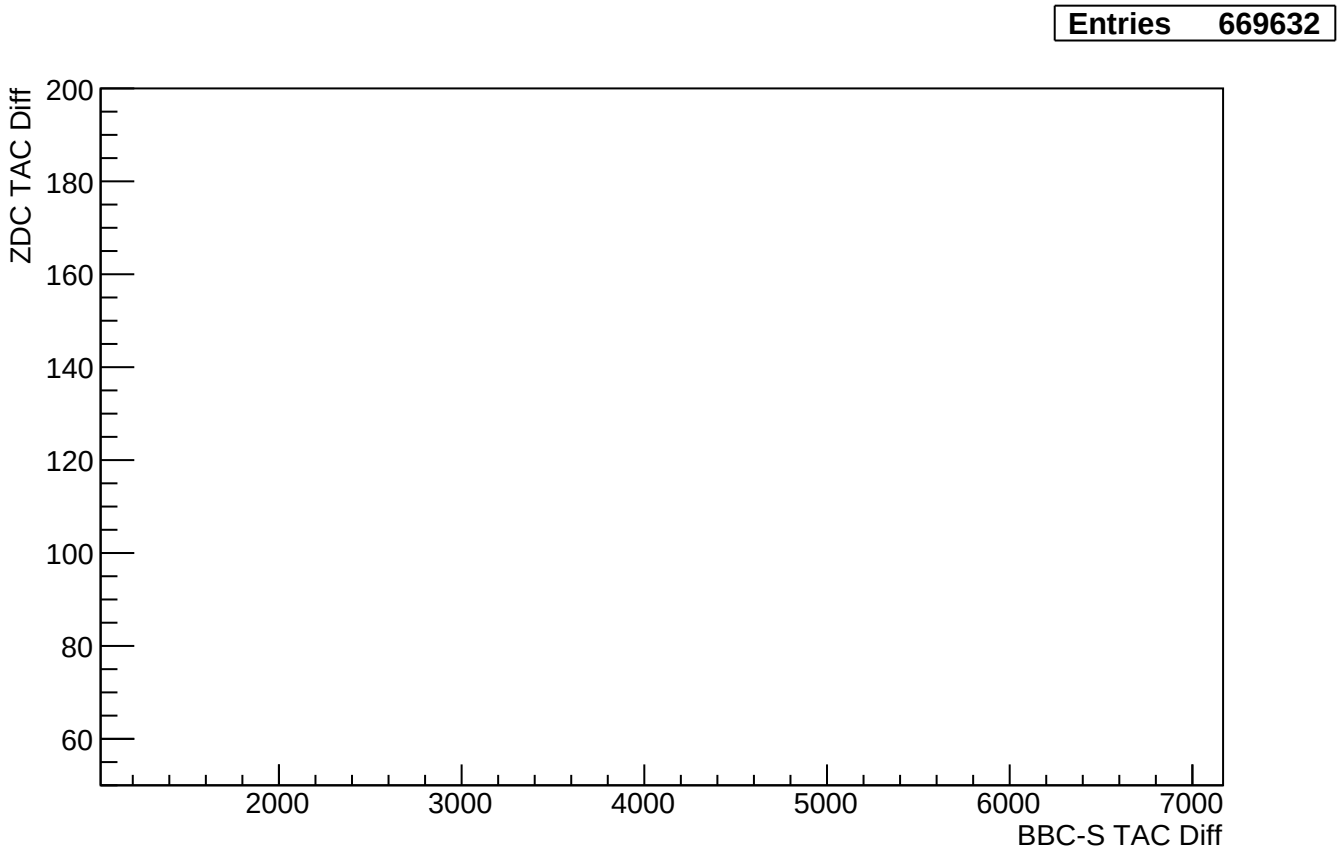

Entries 669632
TOF-Mult
EPD-West Hit Cnt

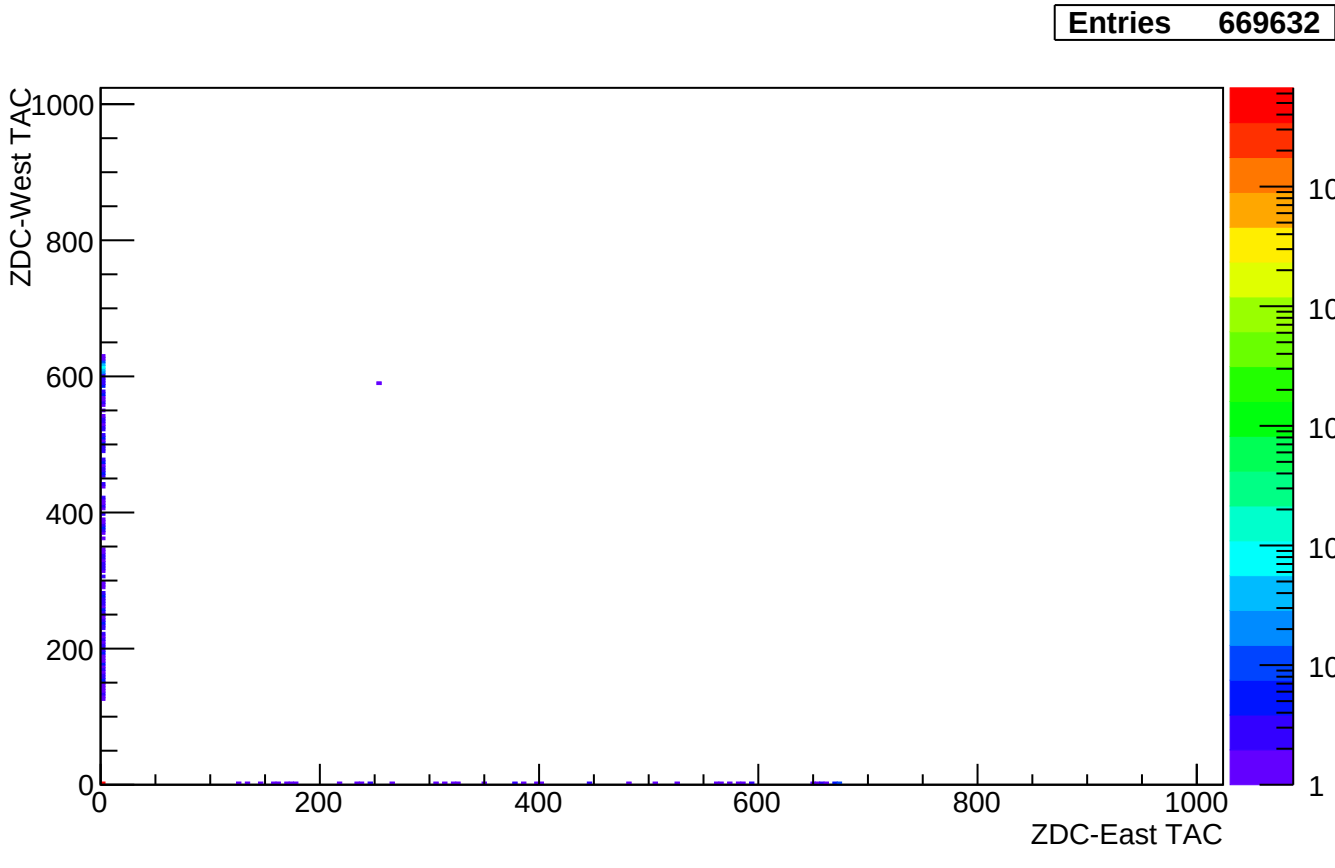

Entries 669632
TOF-Mult
VPD-East ADC Sum

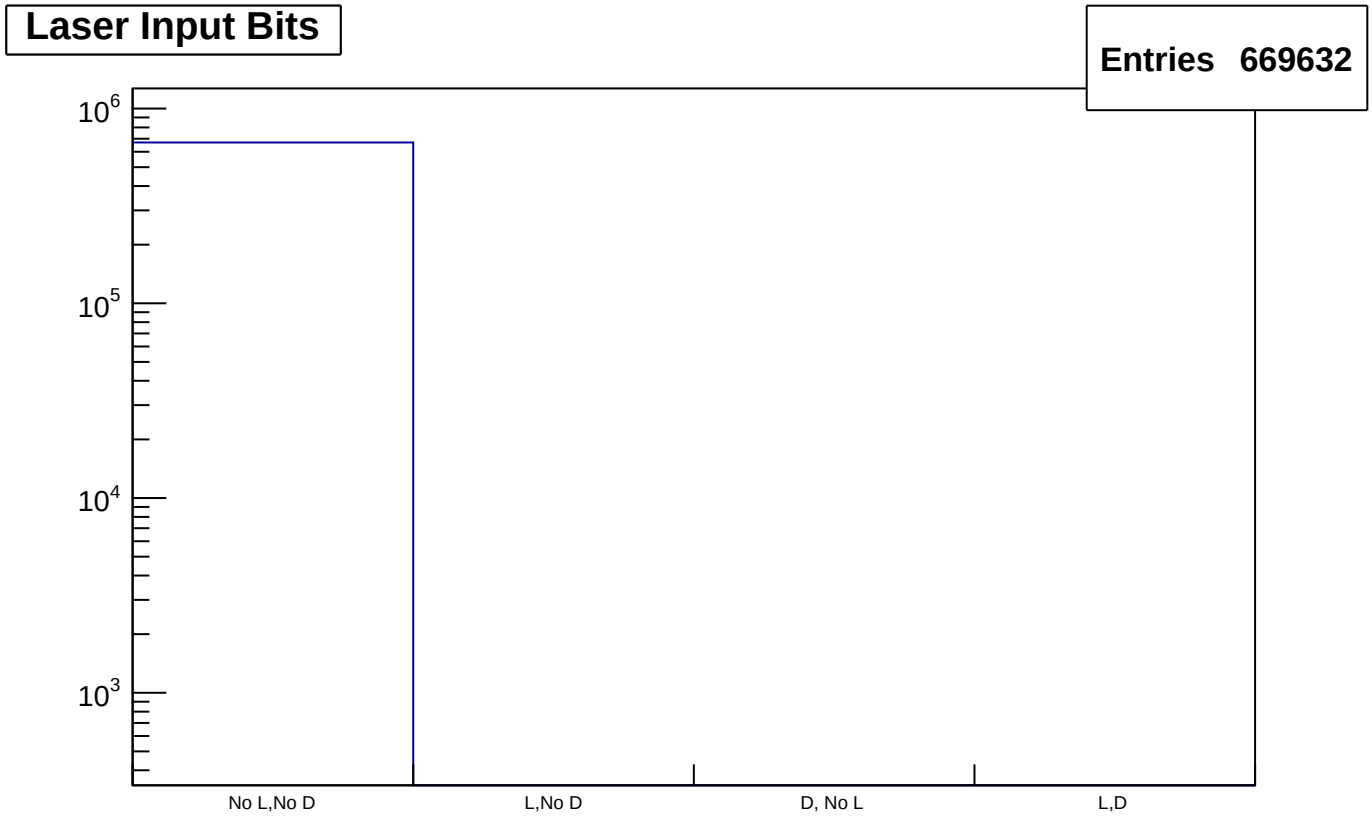

Entries 669632
TOF-Mult
VPD-West ADC Sum

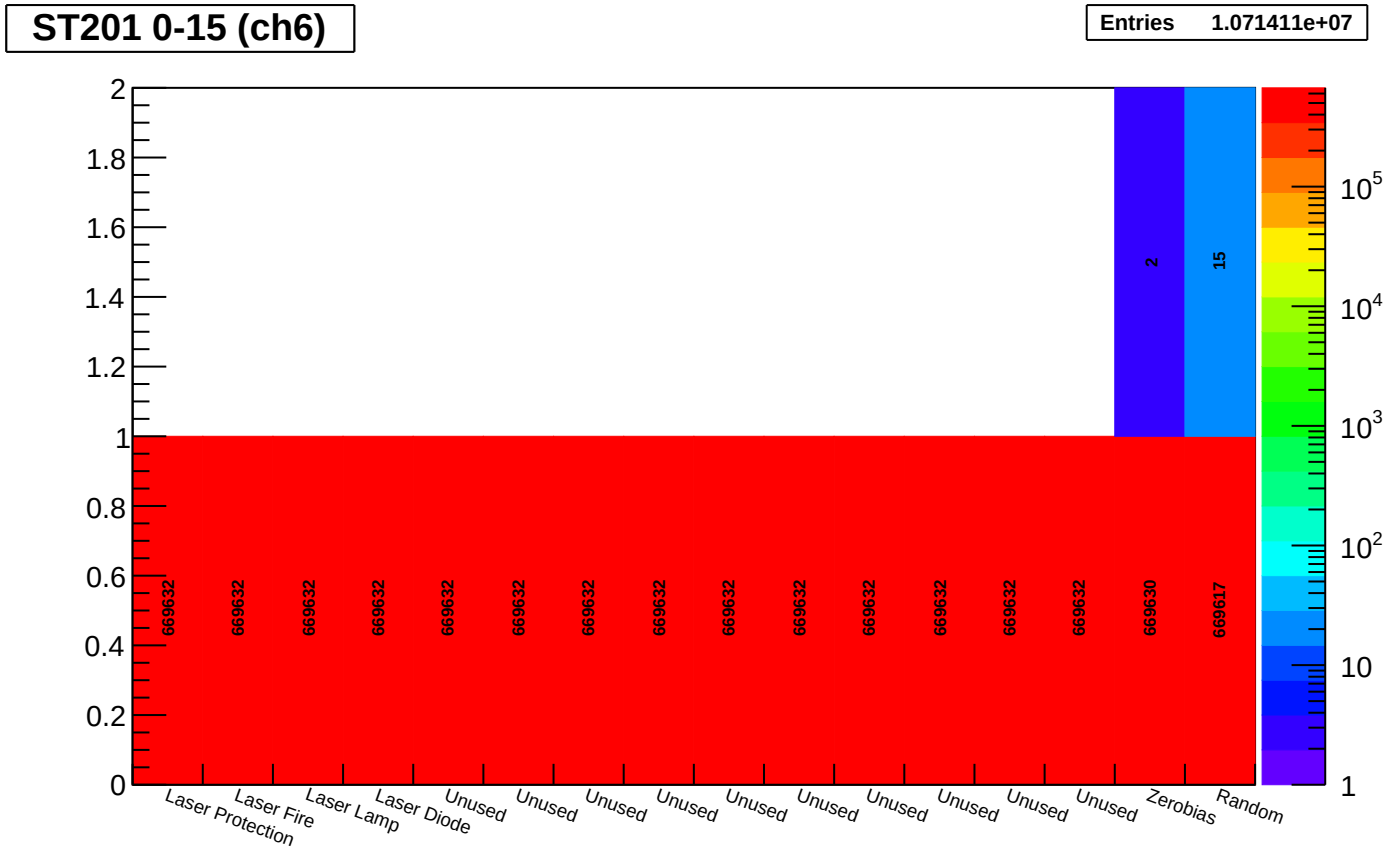

Entries 669632
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

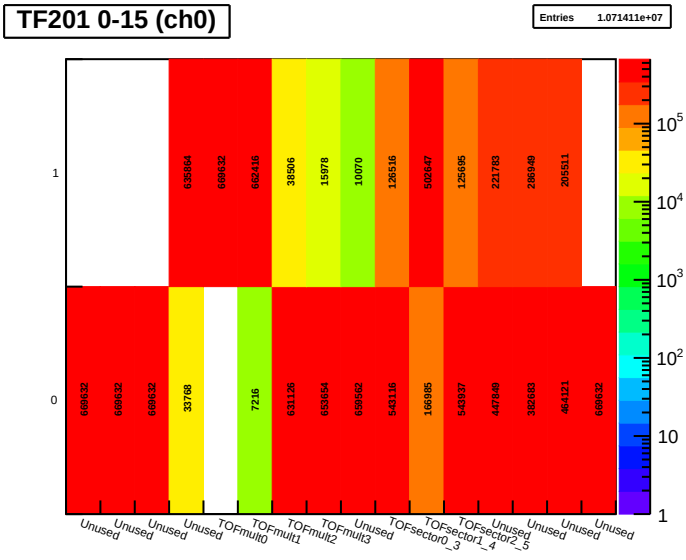

Entries 669632
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

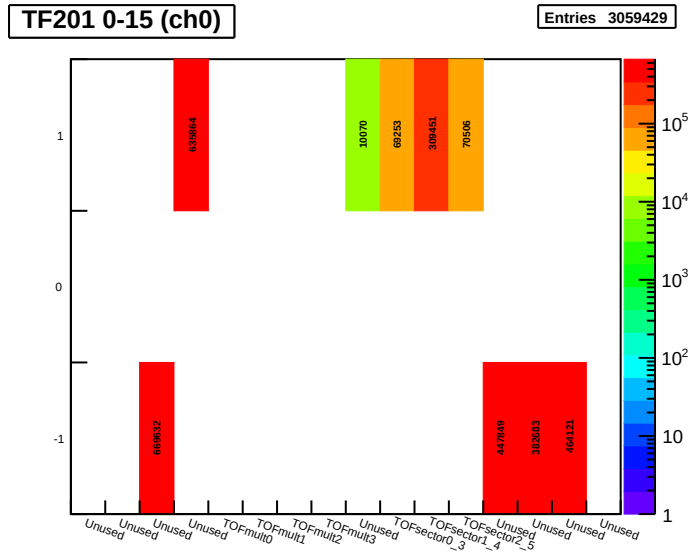

Entries 669632
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

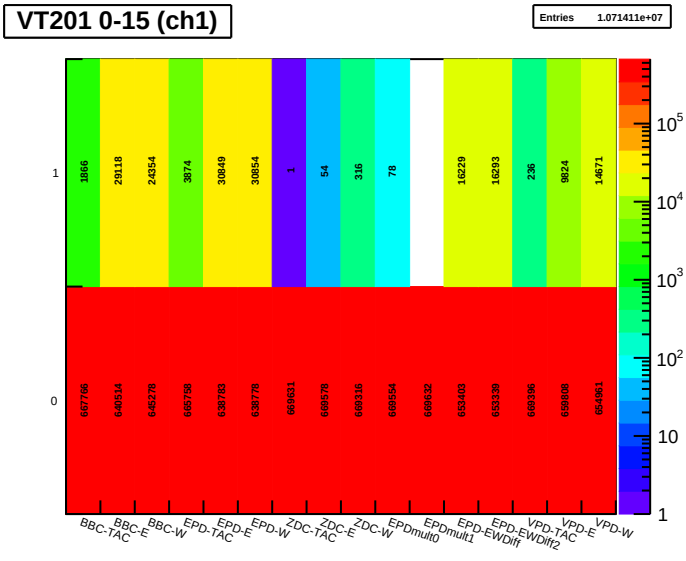

Entries 669632
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

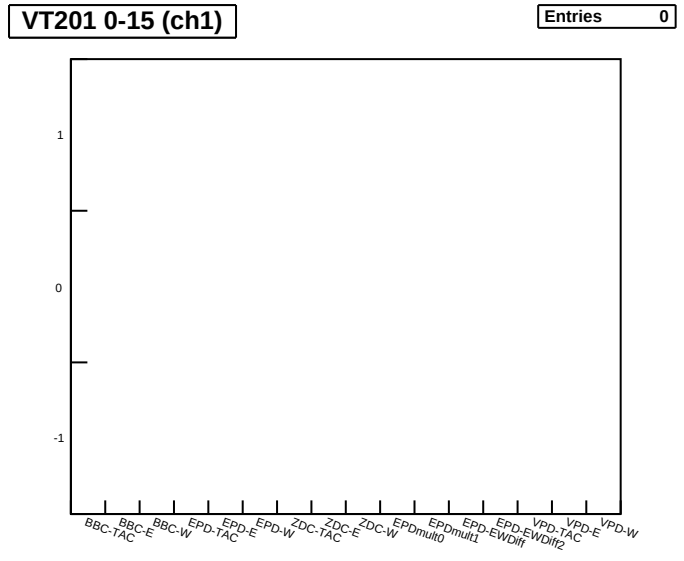

Laser Input Bits
Entries 669632
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

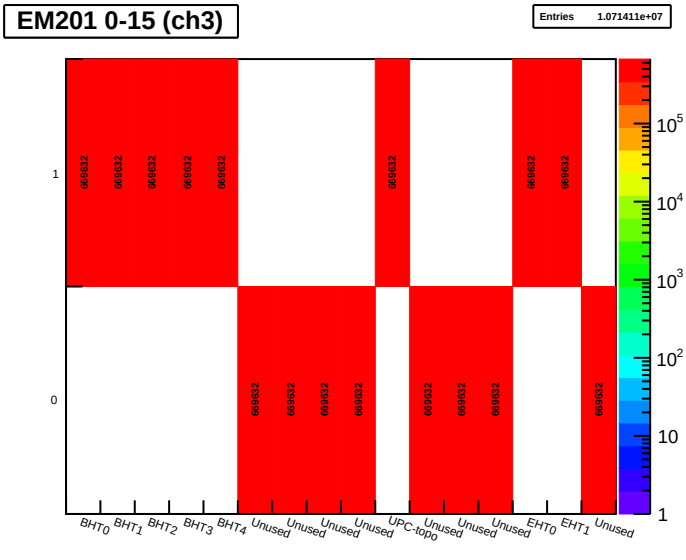

ST201 0-15 (ch6)
Entries 1.071411e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
669632
669632
669632
669632
669632
669632
669632
669632
669632
669632
669632
669632
669632
669632
669630
669617
2
15
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

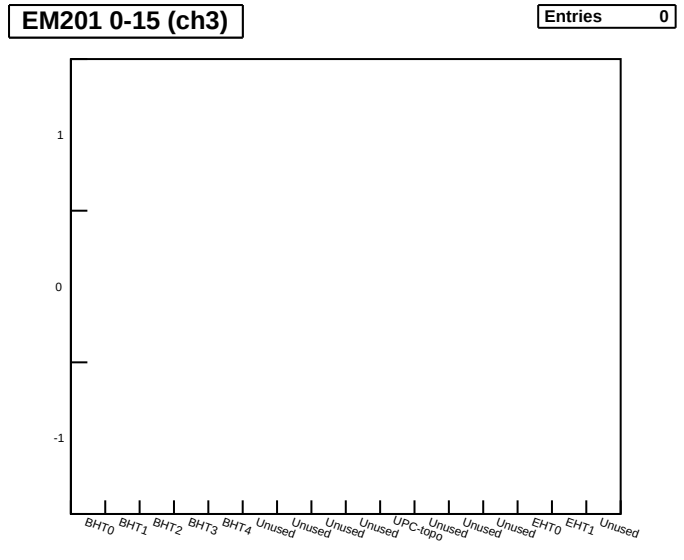

TF201 0-15 (ch0)
Entries 1.071411e+07
1
0
635864 609632 662416 38506 15978 10070 126516 502847 125695 221783 286949 205511
669632 669632 669632 33768 7216 631126 653654 650562 543116 166985 543937 447849 382683 464121 669632
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


TF201 0-15 (ch0)
Entries 3059429
1
0
-1
635864 10070 69253 309451 70506
669632 447849 382683 464121
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


VT201 0-15 (ch1)
Entries 1.071411e+07
1
0
1866 29118 24354 3874 30849 30654 1 54 316 78 16229 16293 236 9824 14671
667766 640514 645278 665758 638783 638778 669631 669578 669316 669564 669632 653403 653339 668396 659808 654961
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 1.071411e+07
1
0
669632 669632 669632 669632 669632 669632 669632
669632 669632 669632 669632 669632 669632 669632 669632
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