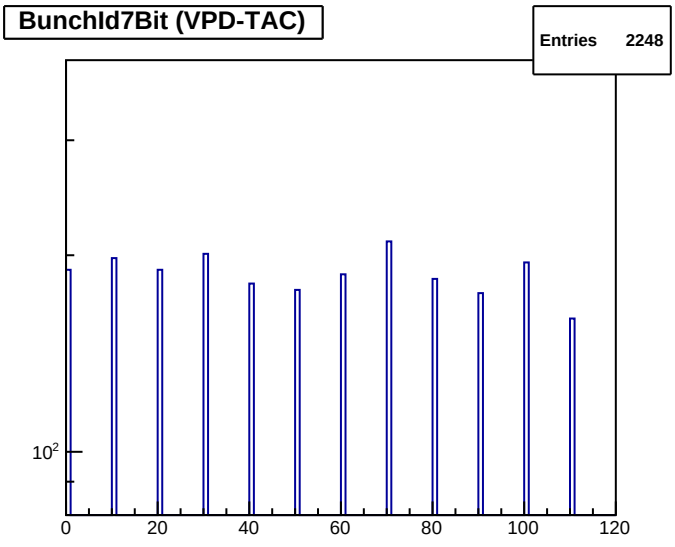
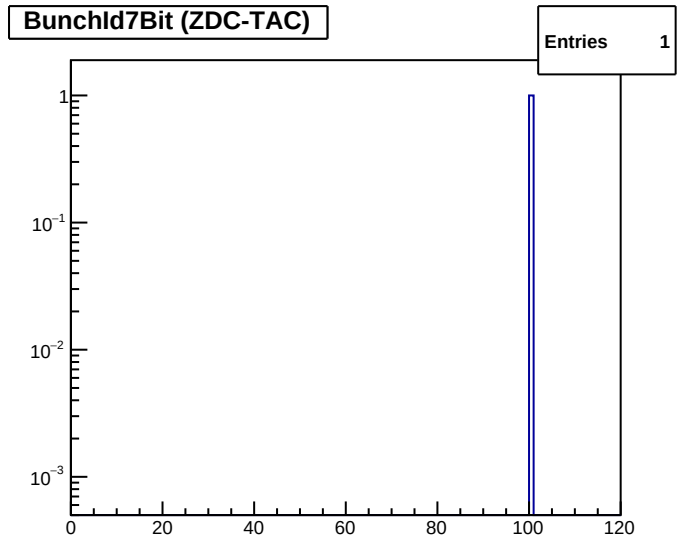
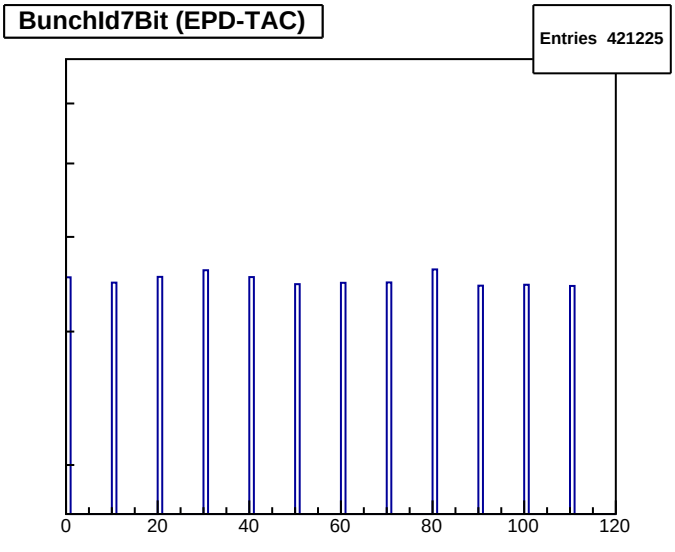
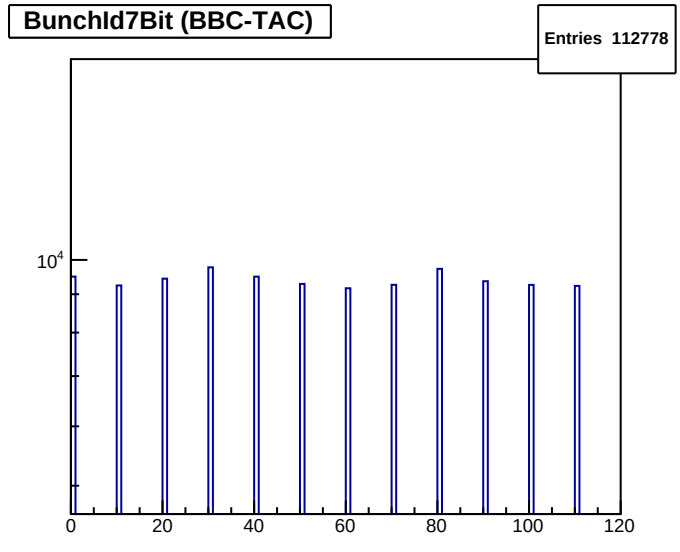
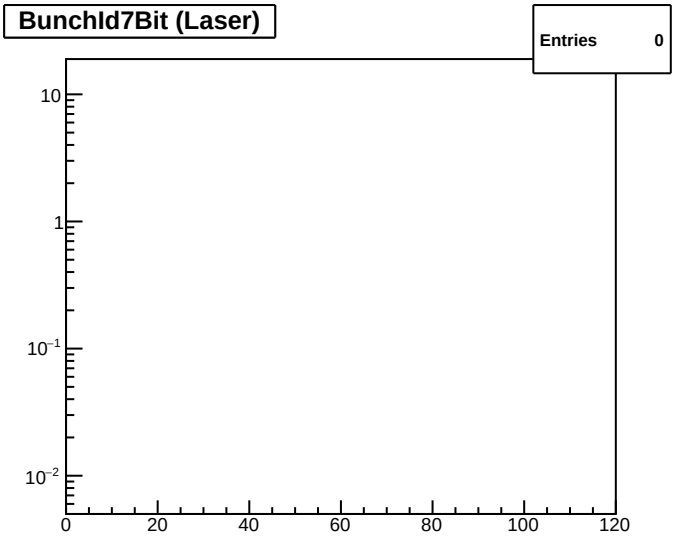
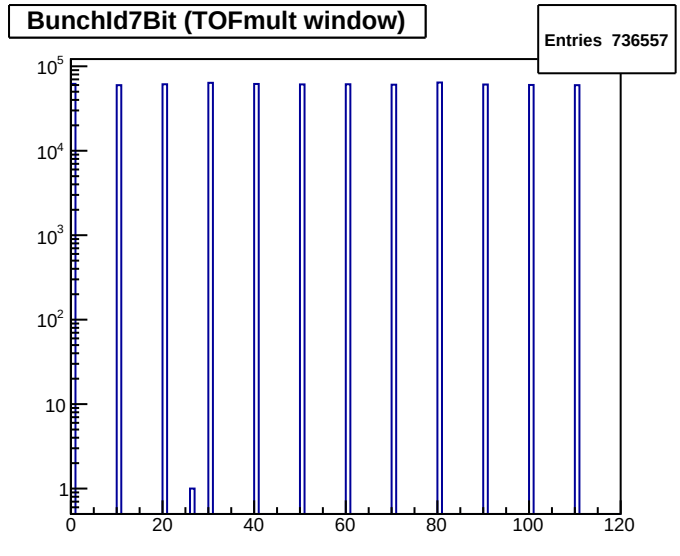

BunchId7Bit (VPD-TAC)
Entries 2248
10^2
0 20 40 60 80 100 120

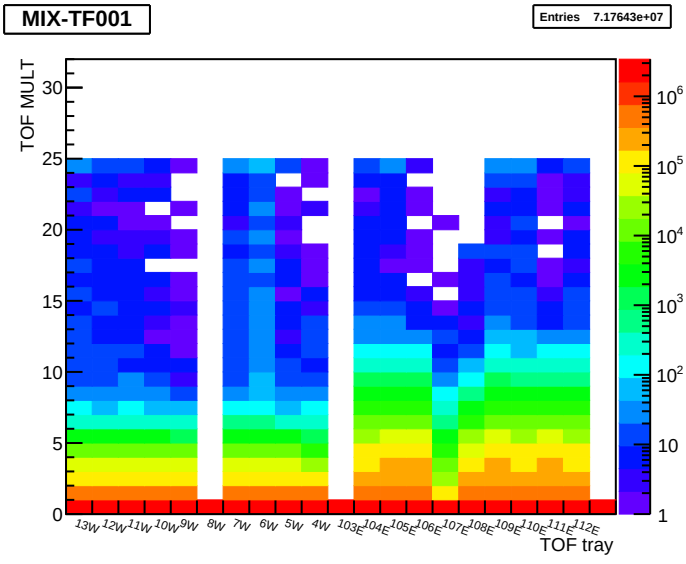

BunchId7Bit (ZDC-TAC)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

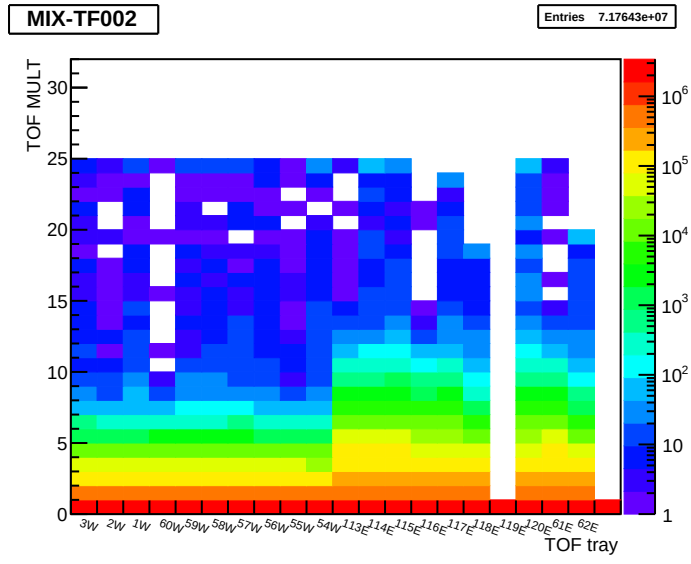

BunchId7Bit (EPD-TAC)
Entries 421225
0 20 40 60 80 100 120

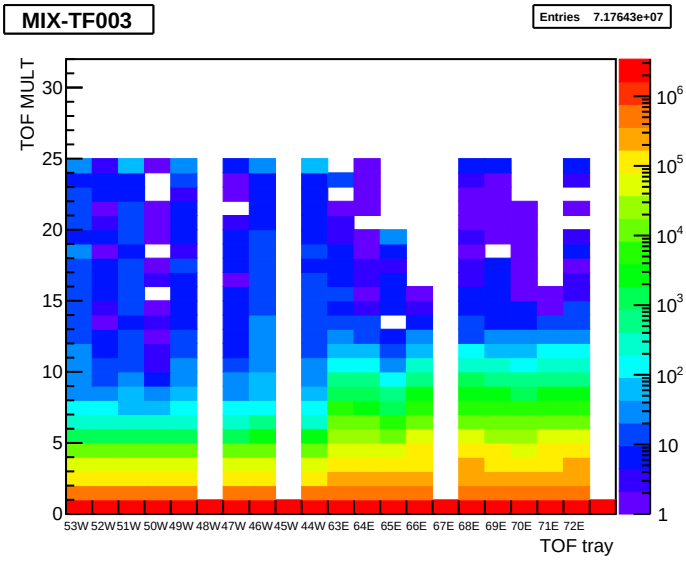

BunchId7Bit (BBC-TAC)
Entries 112778
10^4
0 20 40 60 80 100 120

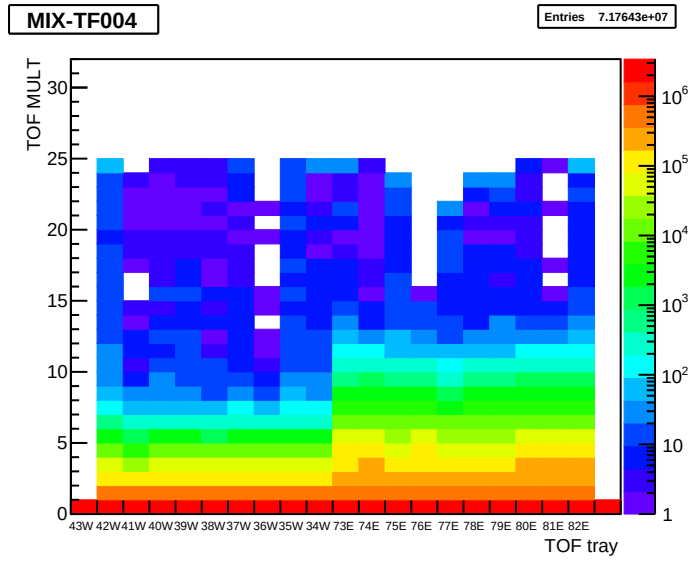

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

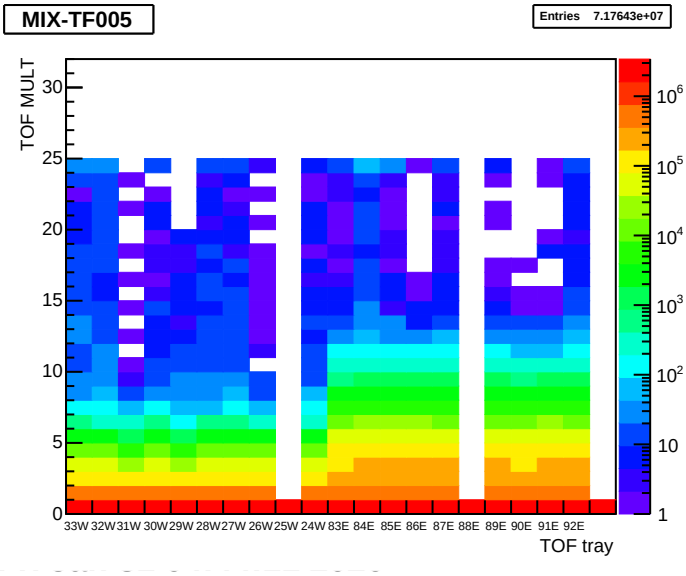

BunchId7Bit (TOFmult window)
Entries 736557
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

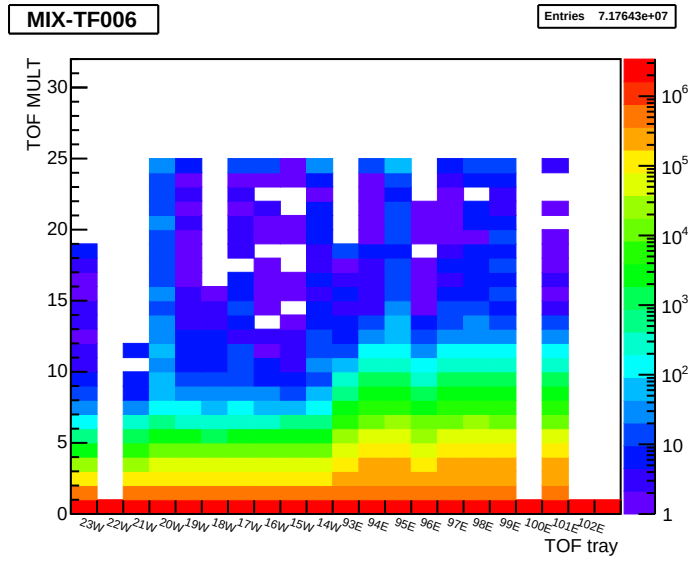

MIX-TF001
Entries 7.17643e+07
TOF MULT
TOF tray

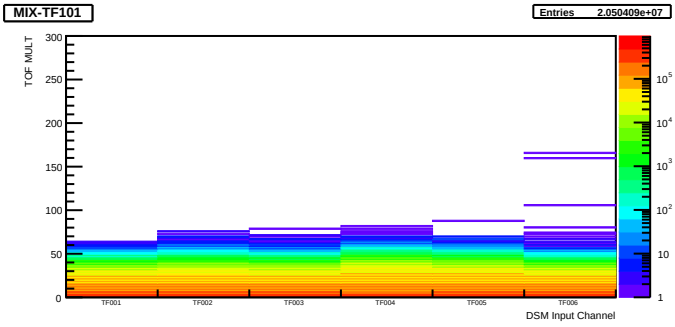

MIX-TF002
Entries 7.17643e+07
TOF MULT
TOF tray

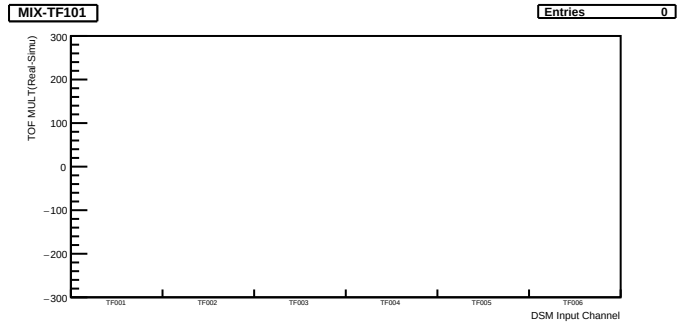

MIX-TF003
Entries 7.17643e+07
TOF MULT
TOF tray

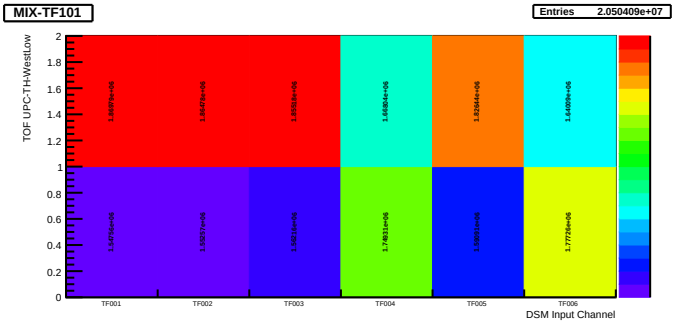

MIX-TF004
Entries 7.17643e+07
TOF MULT
TOF tray

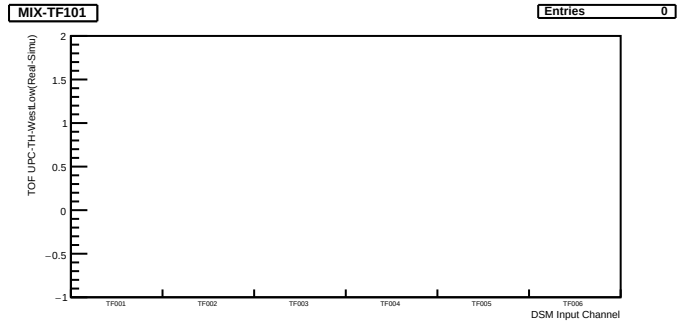

MIX-TF005
Entries 7.17643e+07
TOF MULT
TOF tray

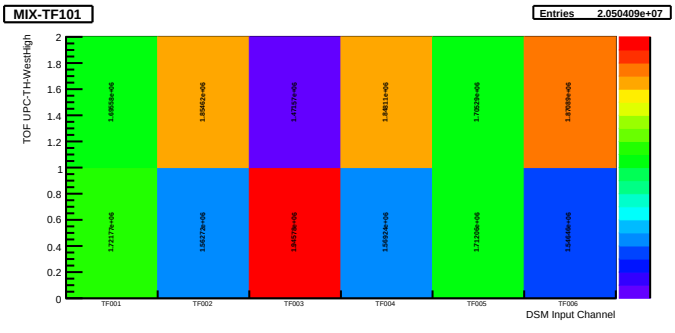

MIX-TF006
Entries 7.17643e+07
TOF MULT
TOF tray

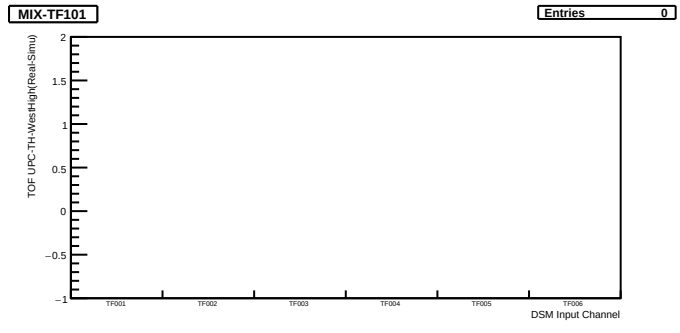

MIX-TF101
Entries 2.050409e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

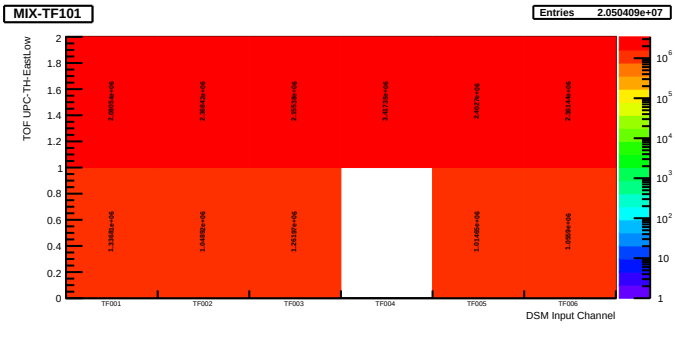

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

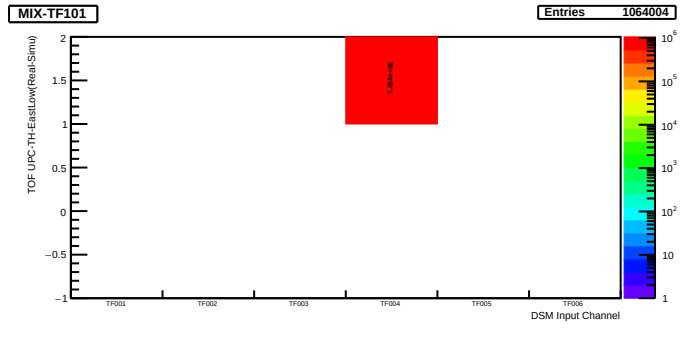

MIX-TF101
Entries 2.050409e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

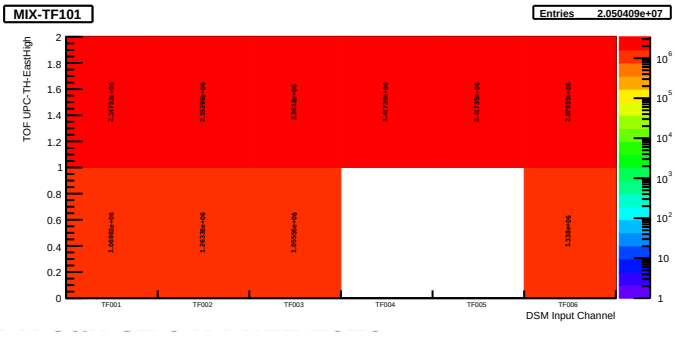

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

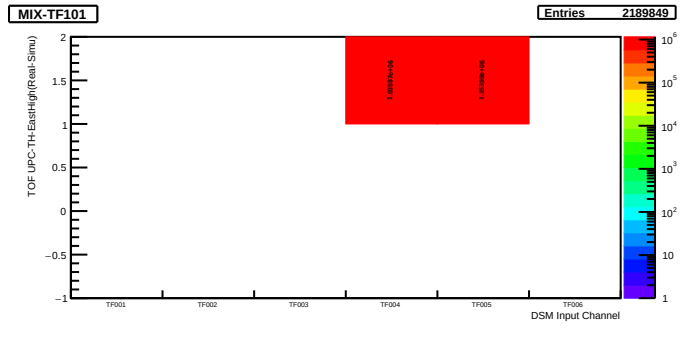

MIX-TF101
Entries 2.050409e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

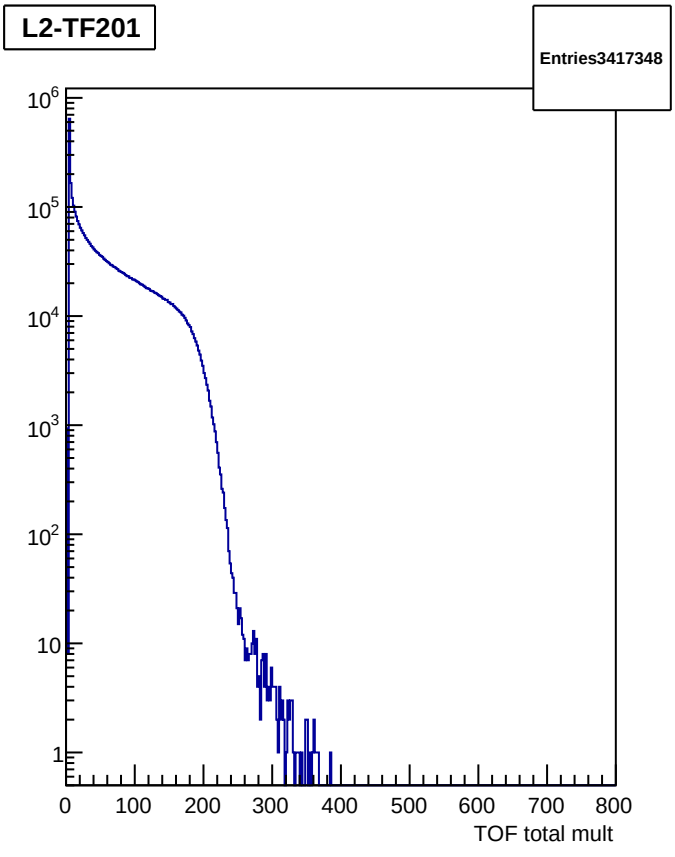

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

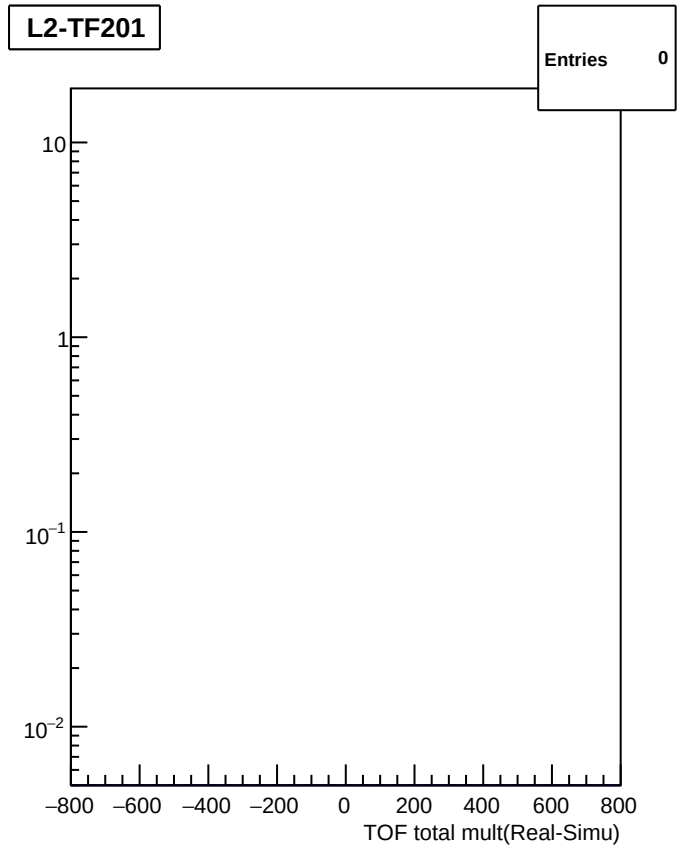

MIX-TF101
Entries 2.050409e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

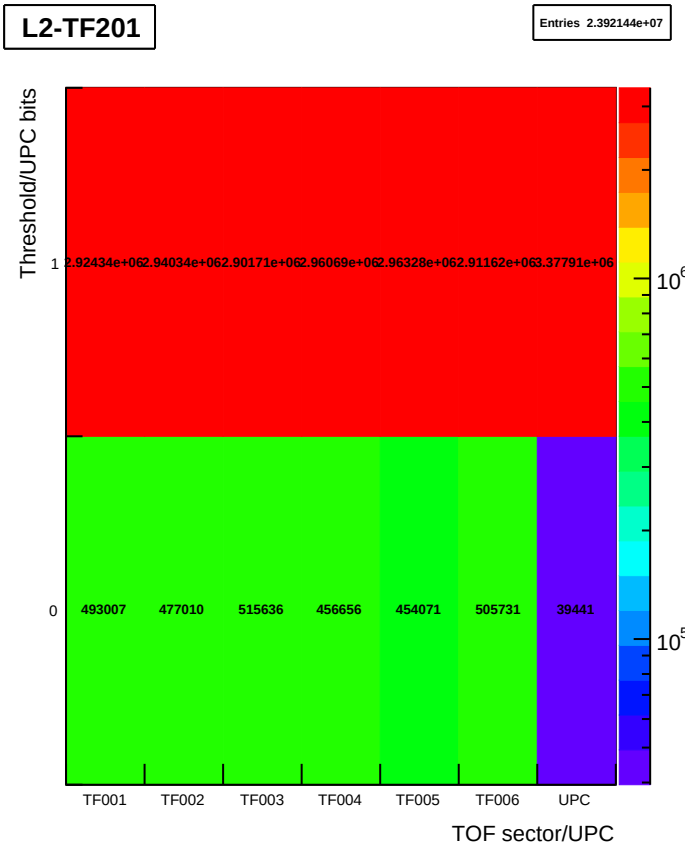

MIX-TF101
Entries 1064004
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

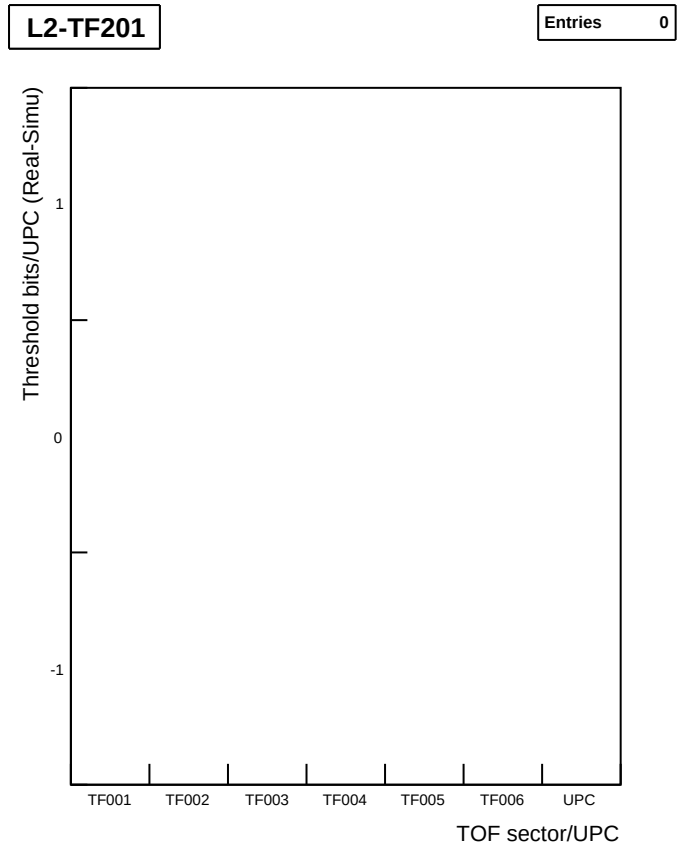

MIX-TF101
Entries 2.050409e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

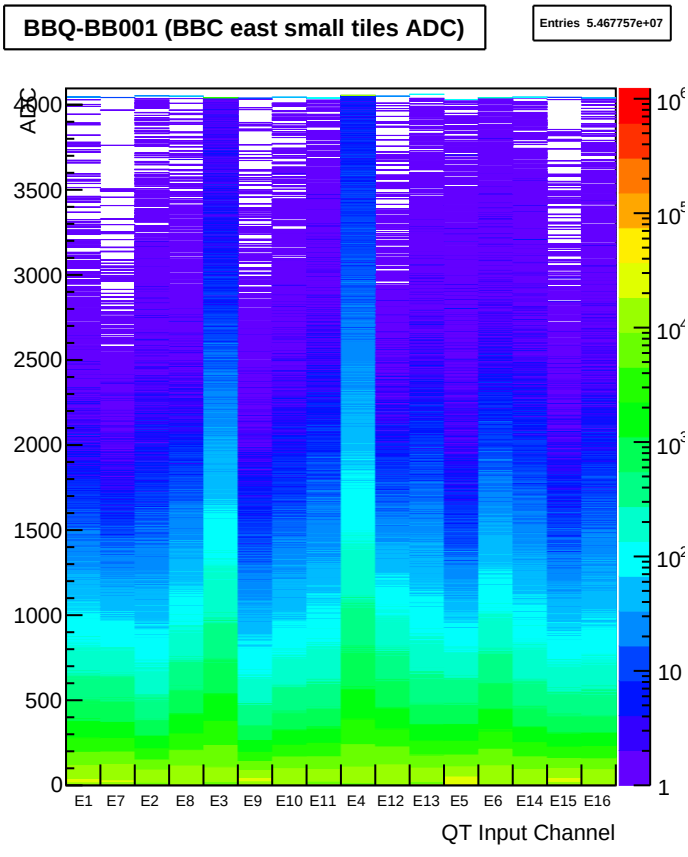

MIX-TF101
Entries 2189849
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

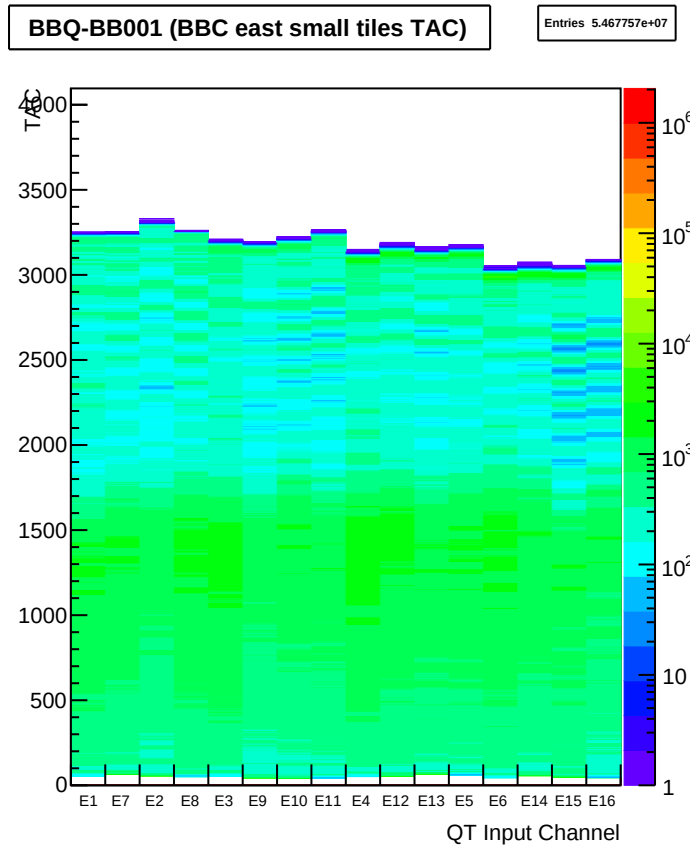

L2-TF201
Entries3417348
TOF total mult

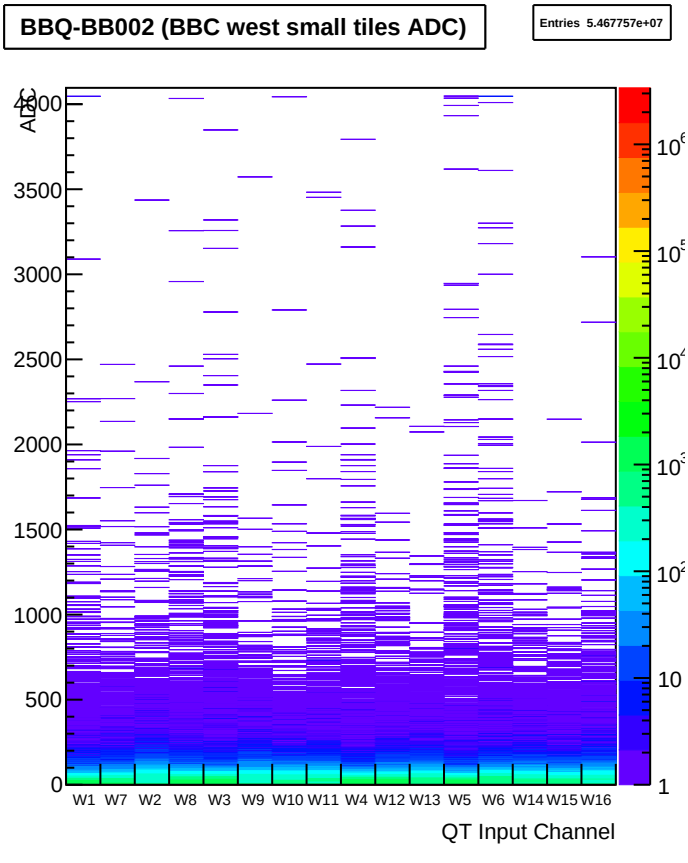

L2-TF201
Entries 0
TOF total mult(Real-Simu)

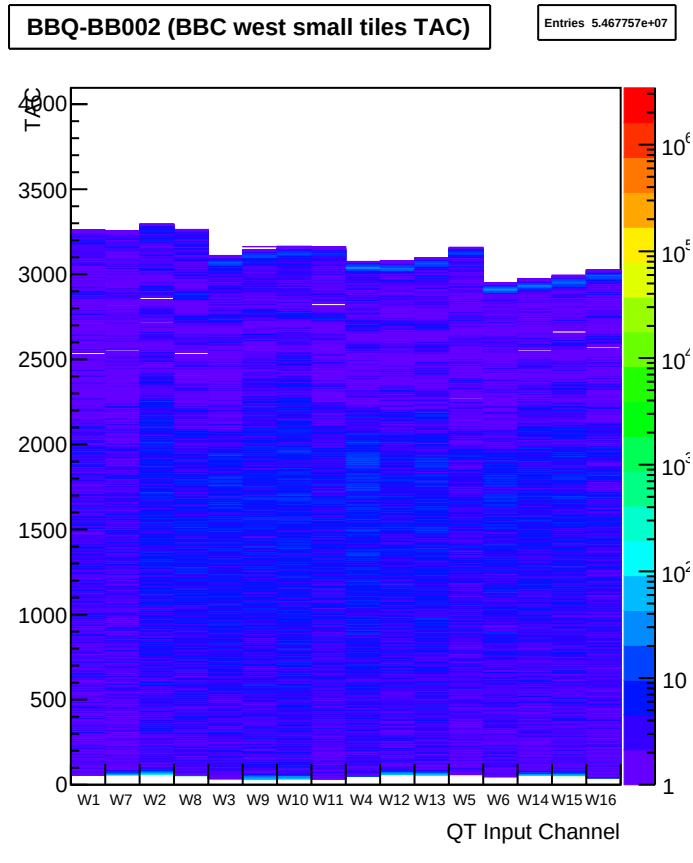

L2-TF201
Entries 2.392144e+07
Threshold/UPC bits
2.92434e+06
2.94034e+06
2.90171e+06
2.96069e+06
2.96328e+06
2.91162e+06
3.37791e+06
493007
477010
515636
456656
454071
505731
39441
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

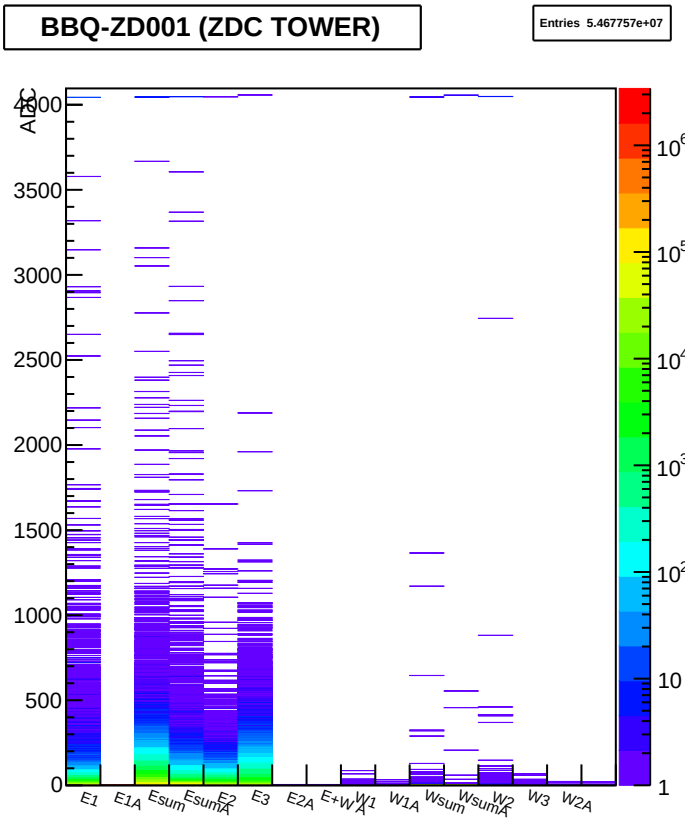

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

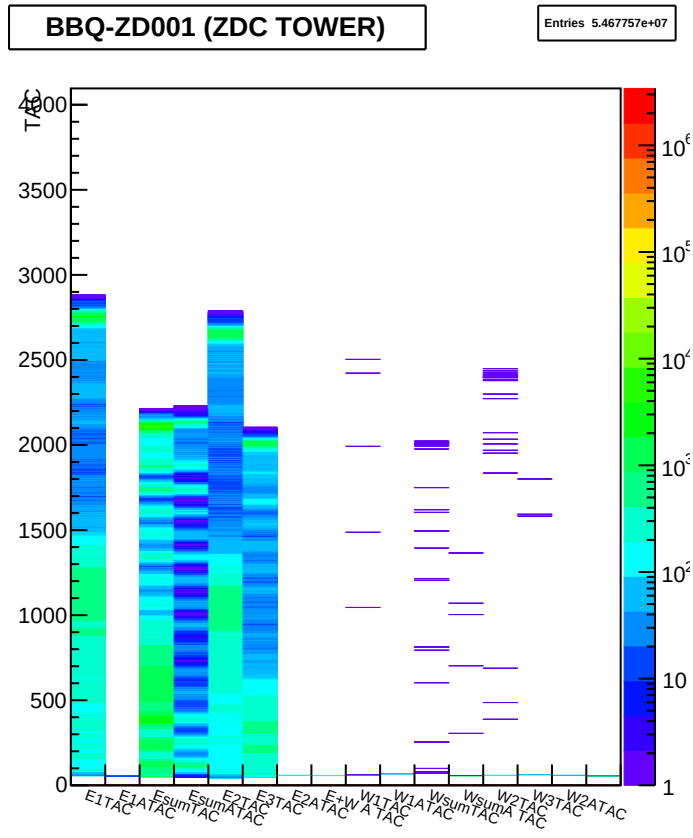

BBQ-BB001 (BBC east small tiles ADC)
Entries 5.467757e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

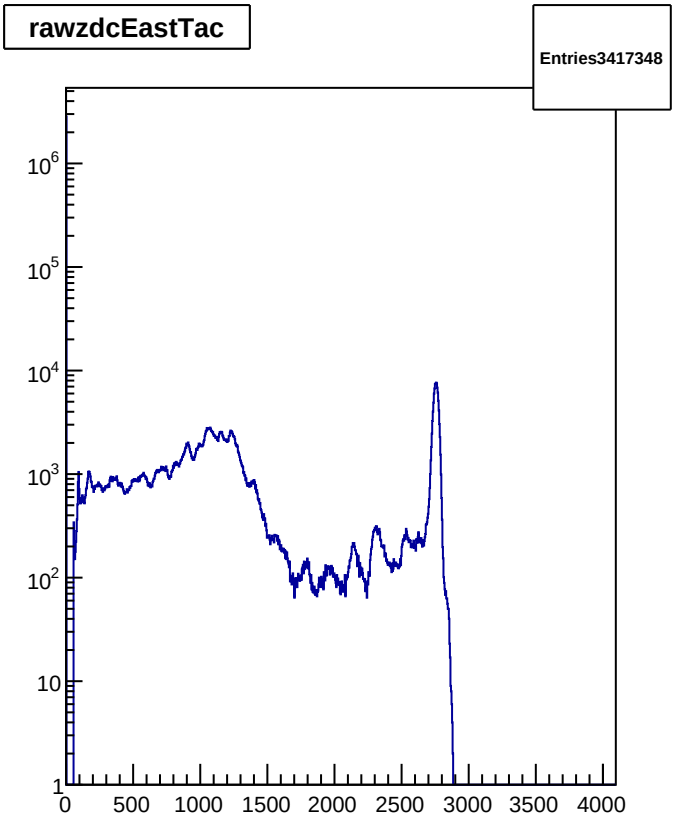

BBQ-BB001 (BBC east small tiles TAC)
Entries 5.467757e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

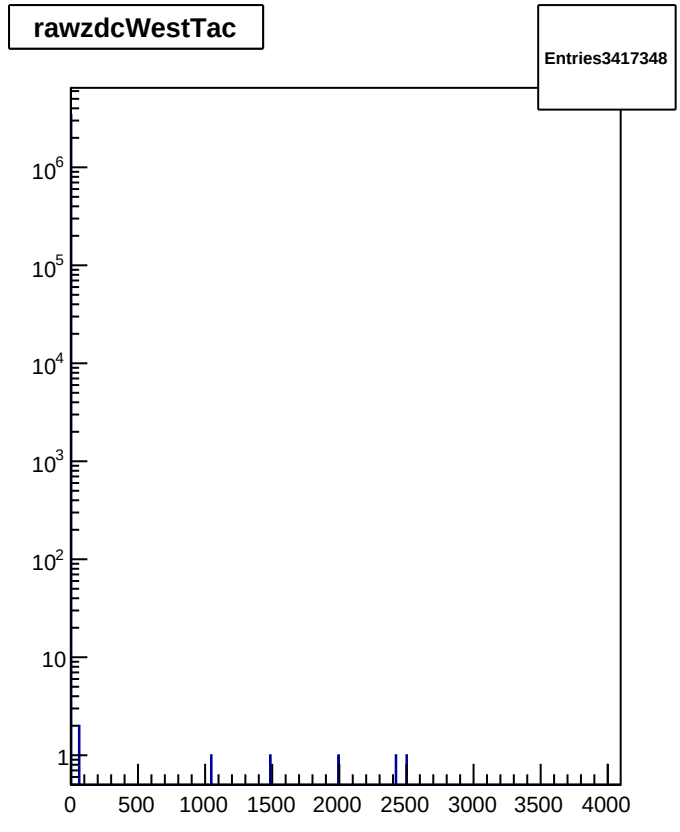

BBQ-BB002 (BBC west small tiles ADC)
Entries 5.467757e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

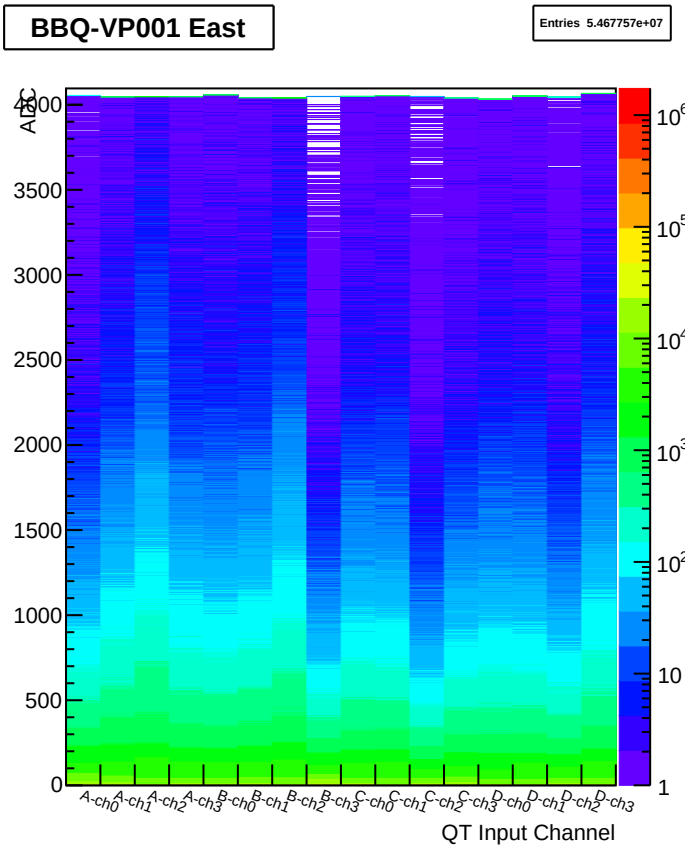

BBQ-BB002 (BBC west small tiles TAC)
Entries 5.467757e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

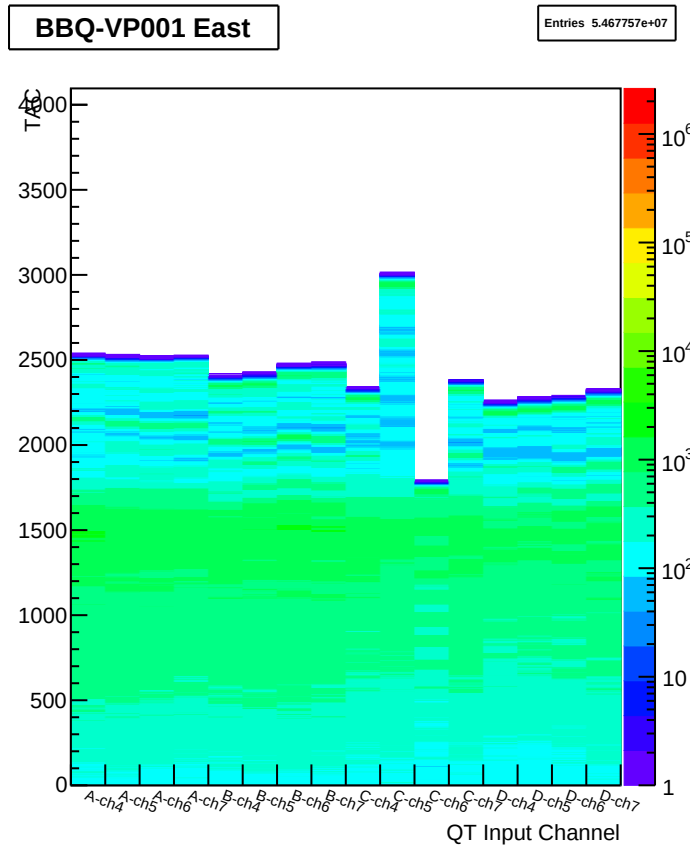

BBQ-ZD001 (ZDC TOWER)
Entries 5.467757e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

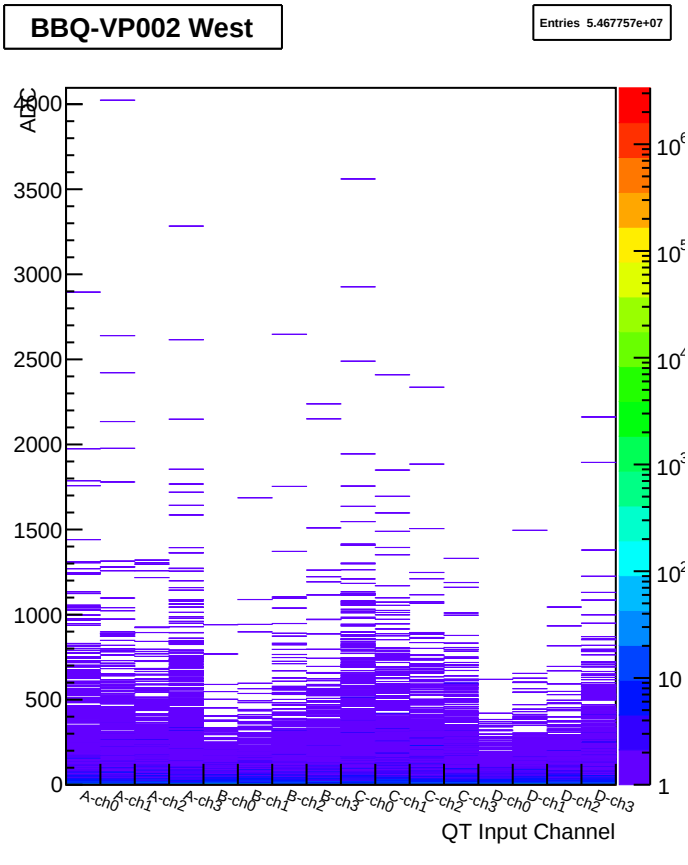

BBQ-ZD001 (ZDC TOWER)
Entries 5.467757e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

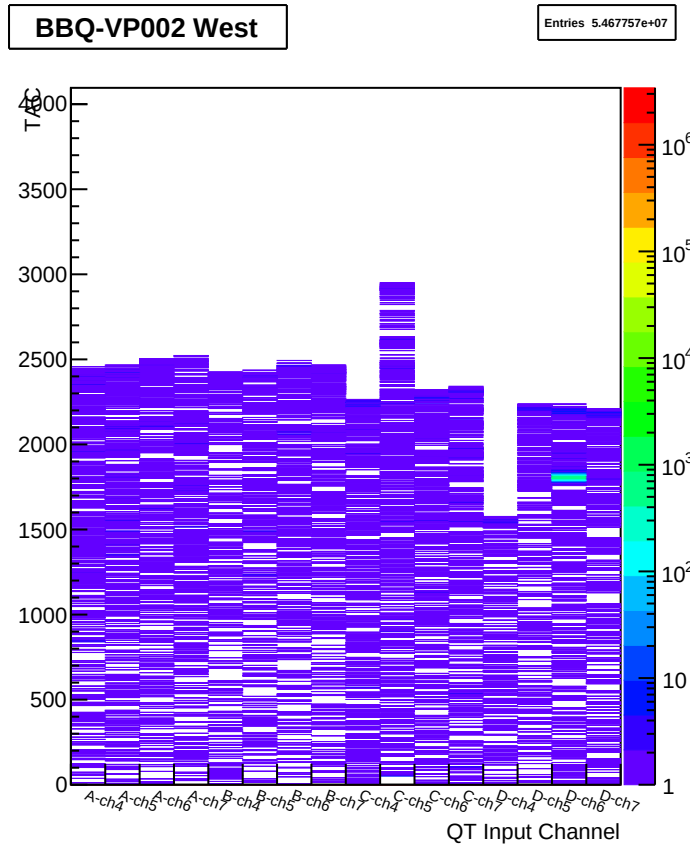

rawzdcEastTac
Entries3417348

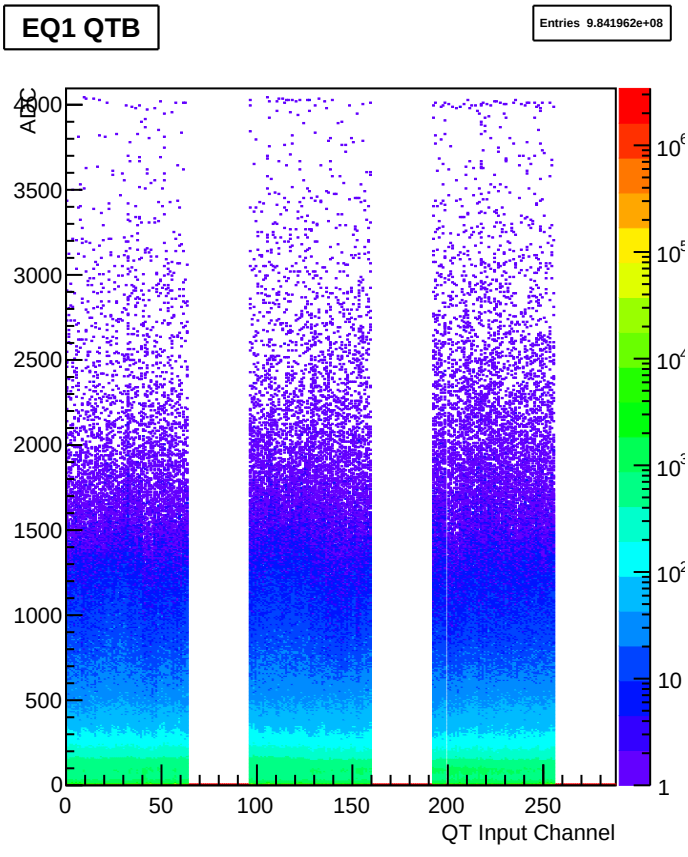

rawzdcWestTac
Entries3417348

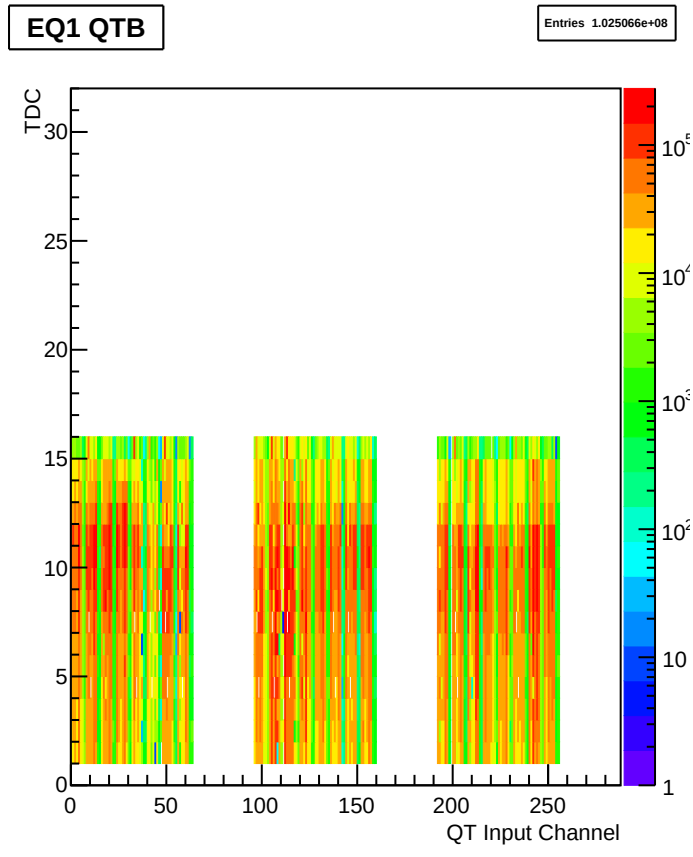

BBQ-VP001 East
Entries 5.467757e+07
ADC
QT Input Channel

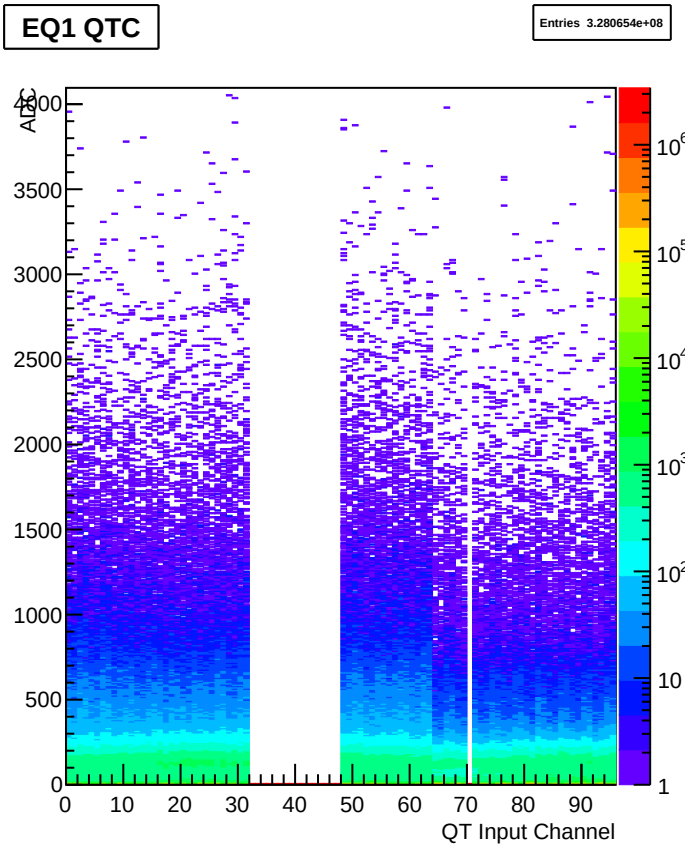

BBQ-VP001 East
Entries 5.467757e+07
ADC
QT Input Channel

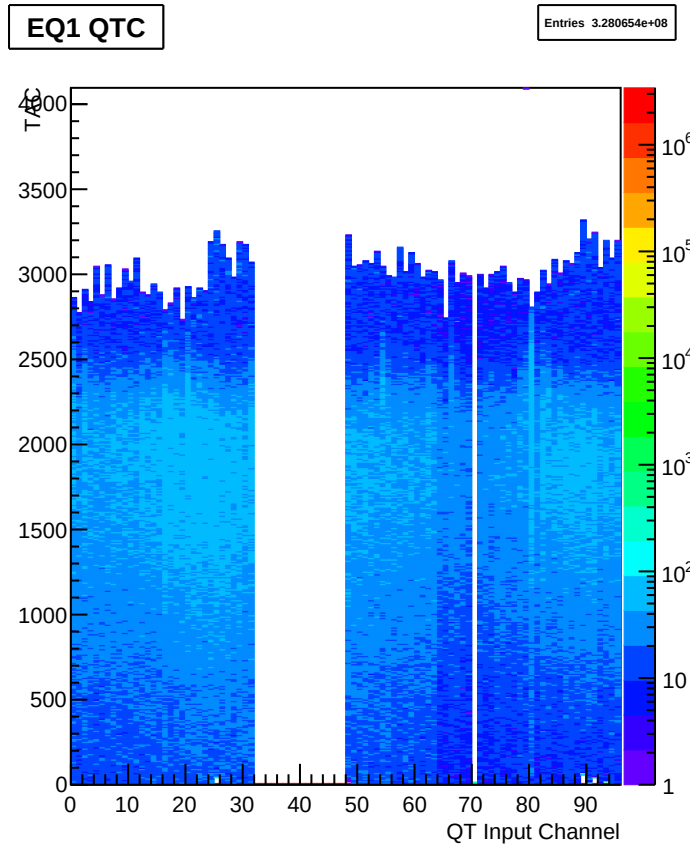

BBQ-VP002 West
Entries 5.467757e+07
ADC
QT Input Channel

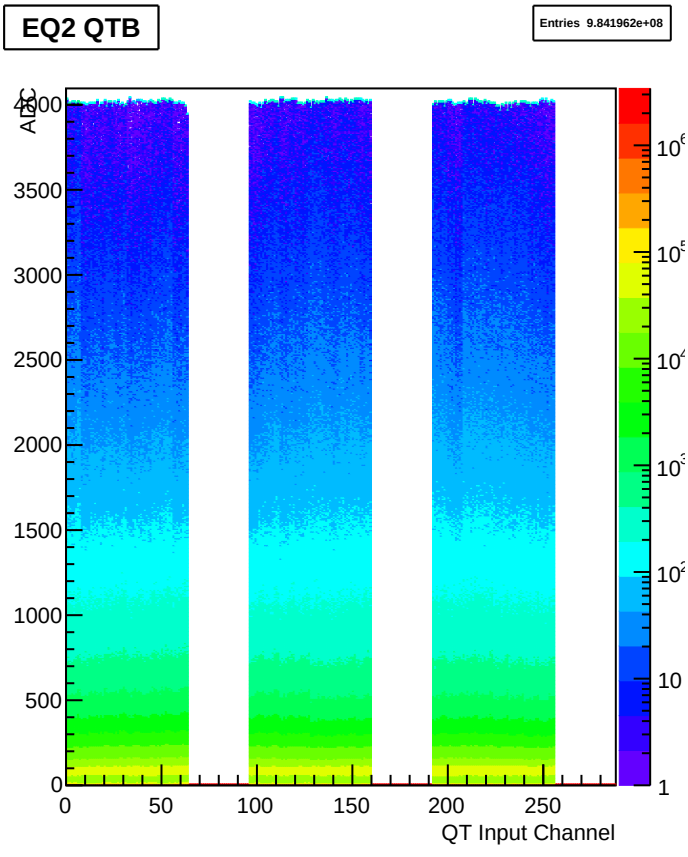

BBQ-VP002 West
Entries 5.467757e+07
ADC
QT Input Channel

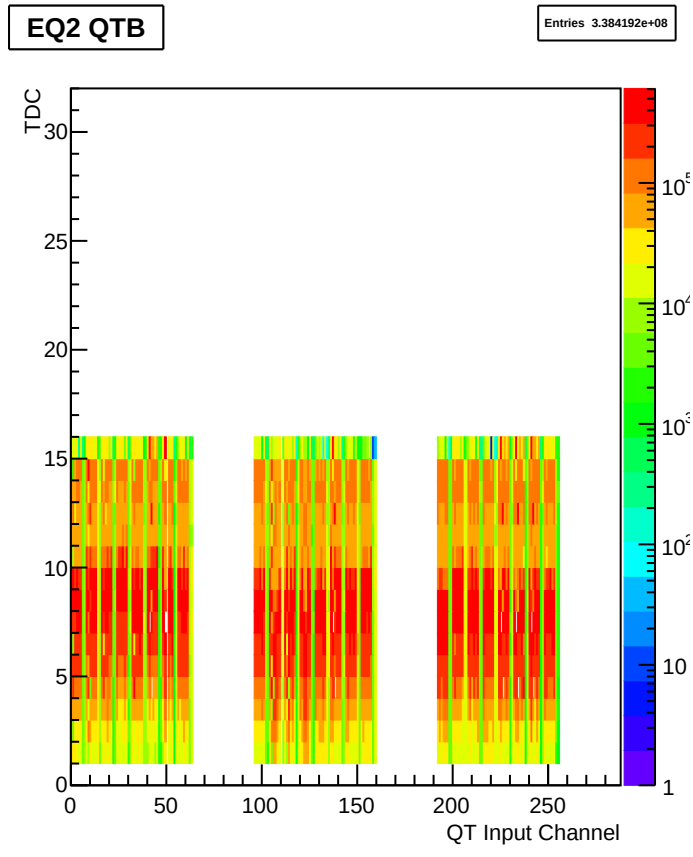

EQ1 QTB
Entries 9.841962e+08
ADC
QT Input Channel

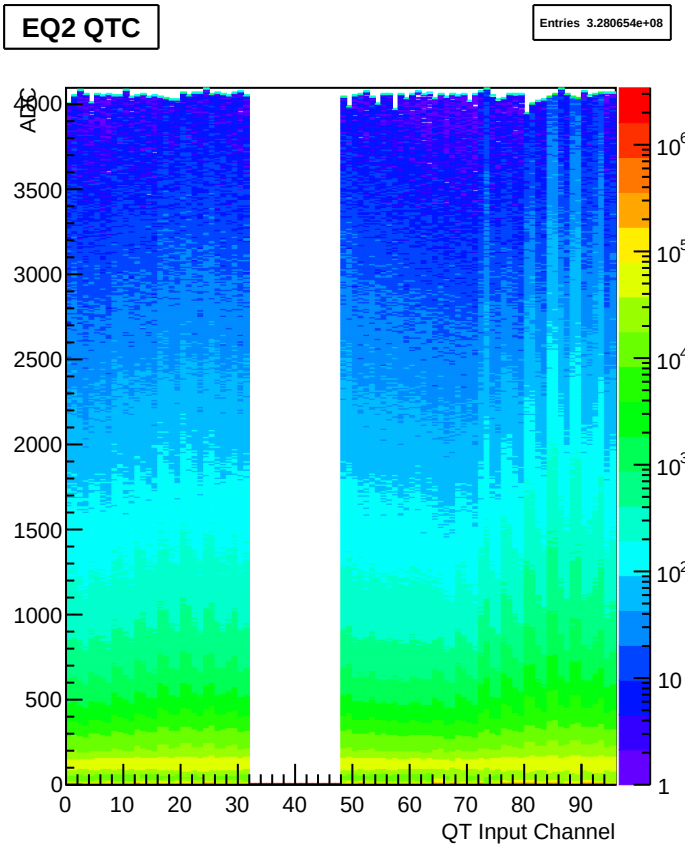

EQ1 QTB
Entries 1.025066e+08
TDC
QT Input Channel

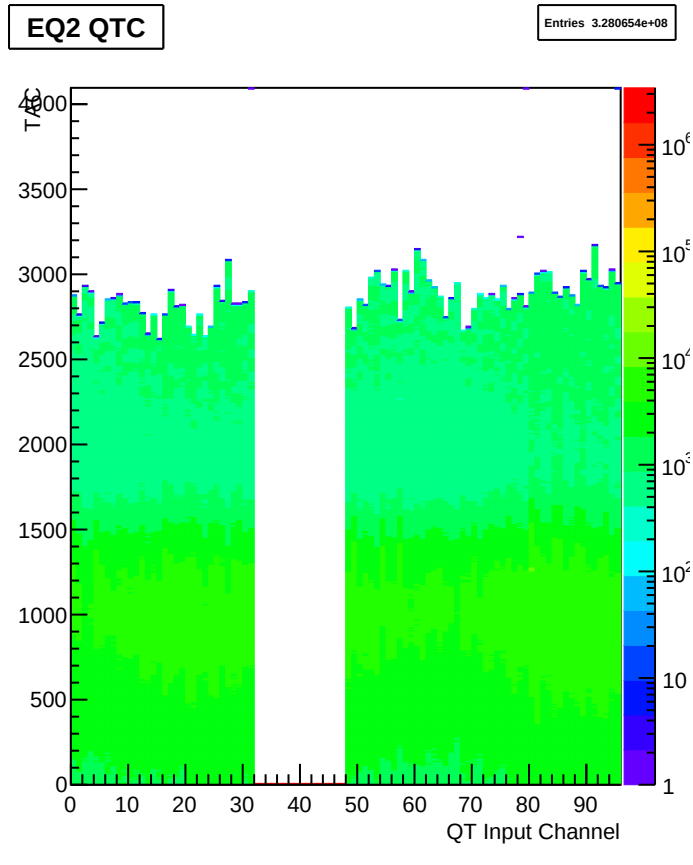

EQ1 QTC
Entries 3.280654e+08
ADC
QT Input Channel

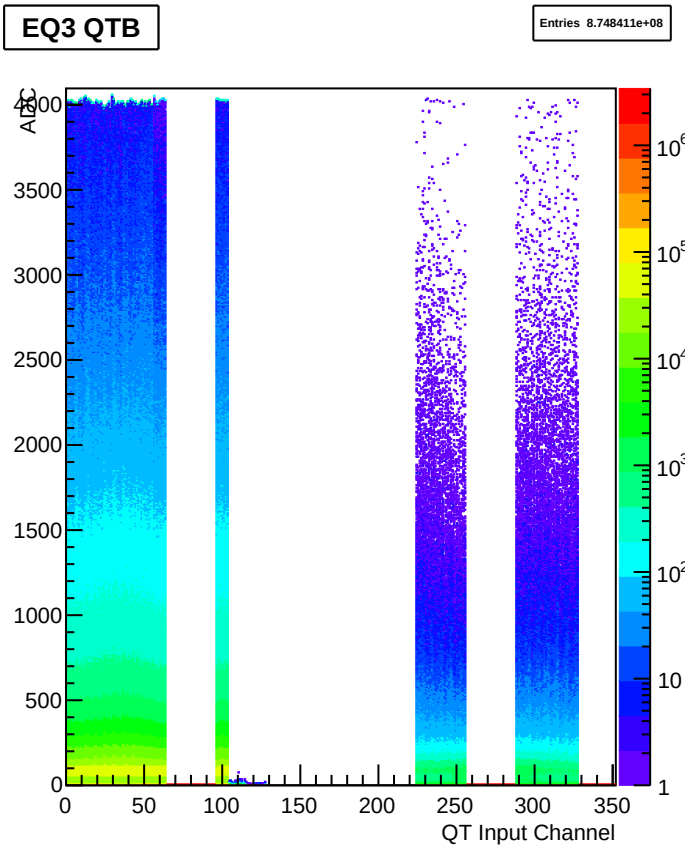

EQ1 QTC
Entries 3.280654e+08
TADC
QT Input Channel

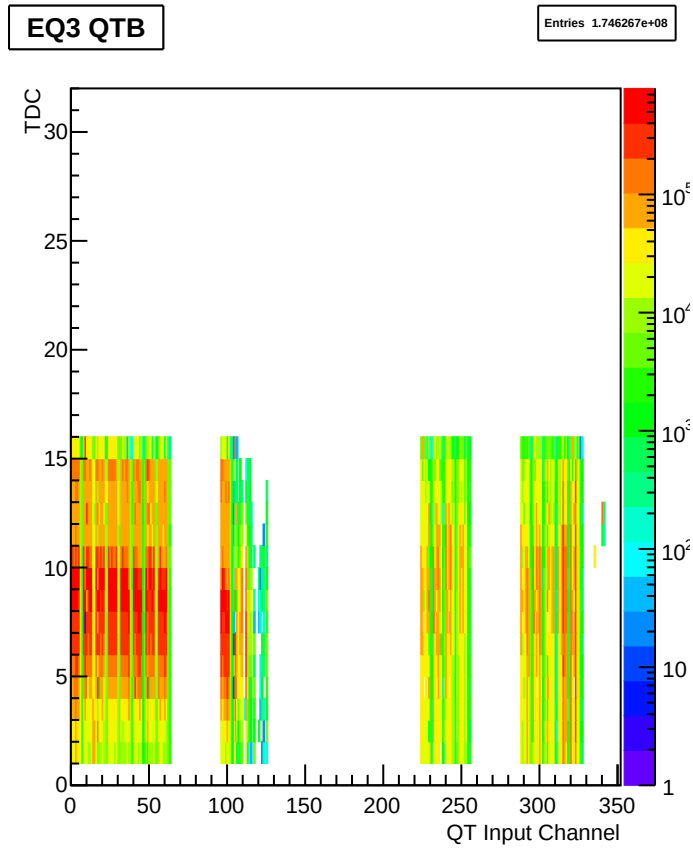

EQ2 QTB
Entries 9.841962e+08
ADC
QT Input Channel

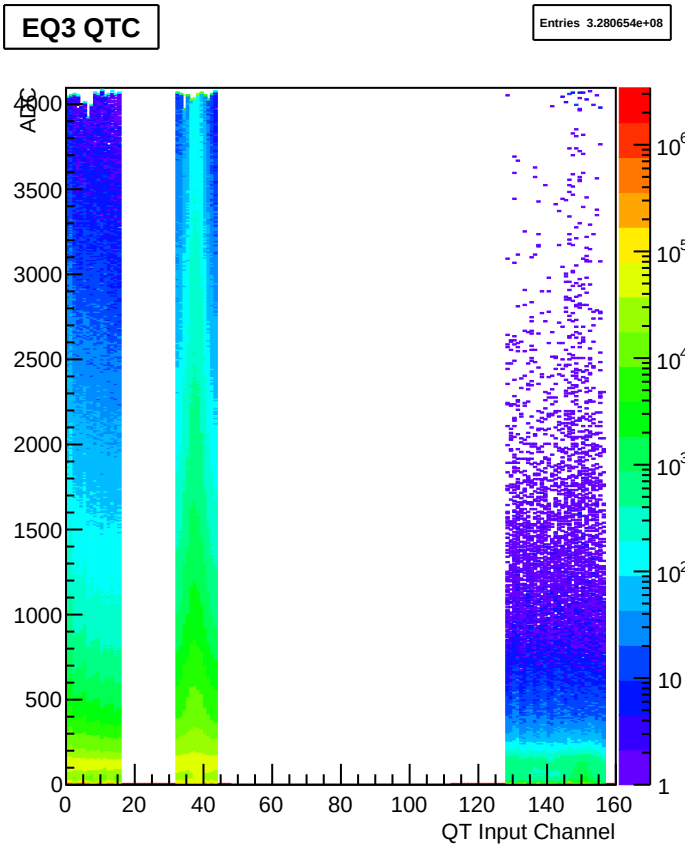

EQ2 QTB
Entries 3.384192e+08
TDC
QT Input Channel


EQ2 QTC
Entries 3.280654e+08
ADC
QT Input Channel


EQ2 QTC
Entries 3.280654e+08
TADC
QT Input Channel


EQ3 QTB
Entries 8.748411e+08
ADC
QT Input Channel


EQ3 QTB
Entries 1.746267e+08
TDC
QT Input Channel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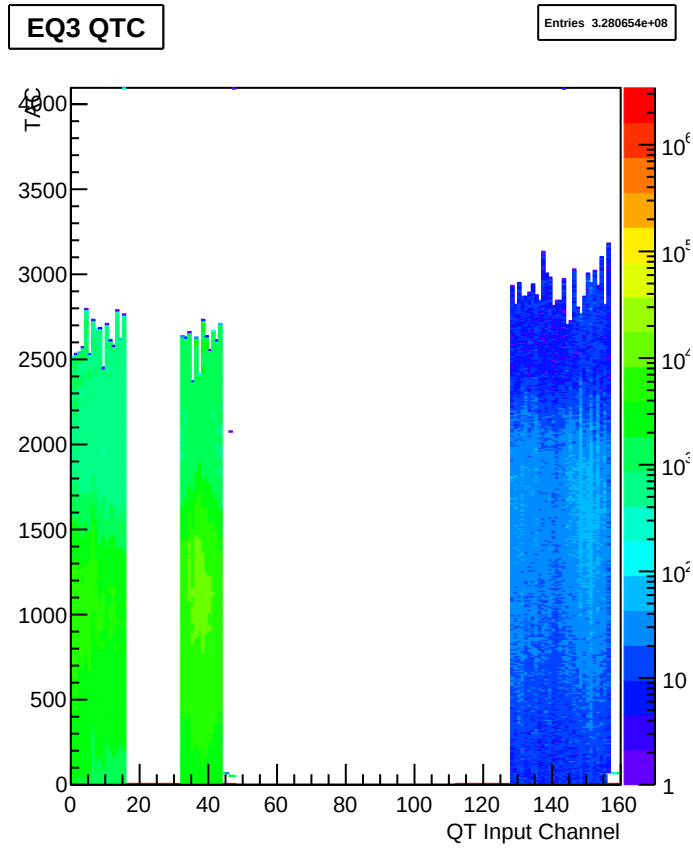
Entries 3.280654e+08
ADC
QT Input Channel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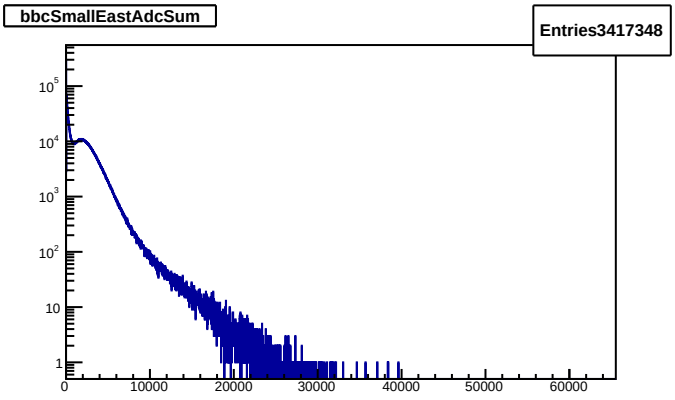
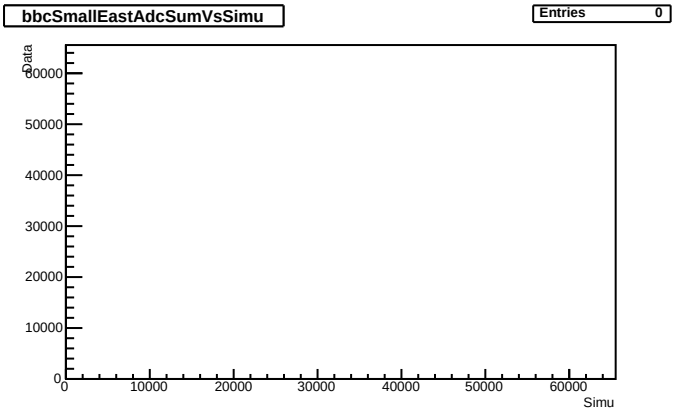
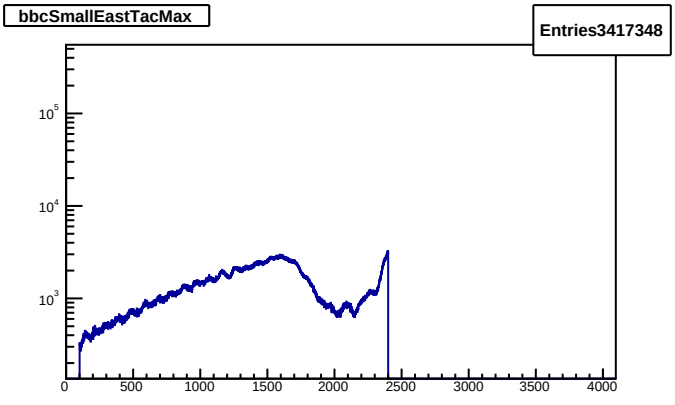
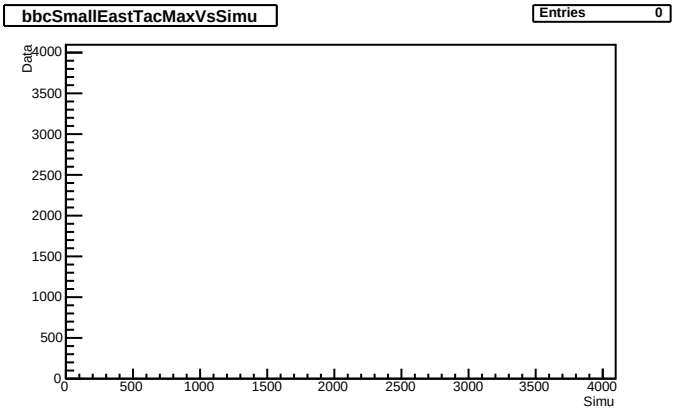
Entries 3.280654e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries3417348


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries3417348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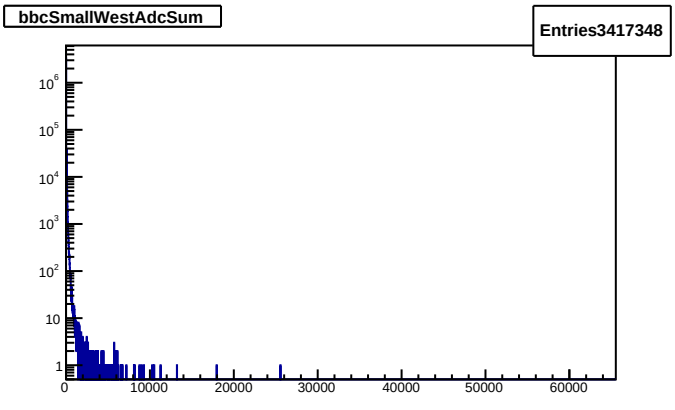
Entries 0
Data
Simu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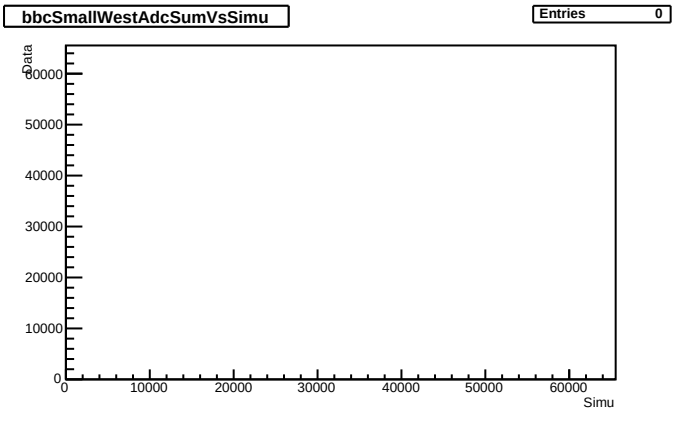
Entries3417348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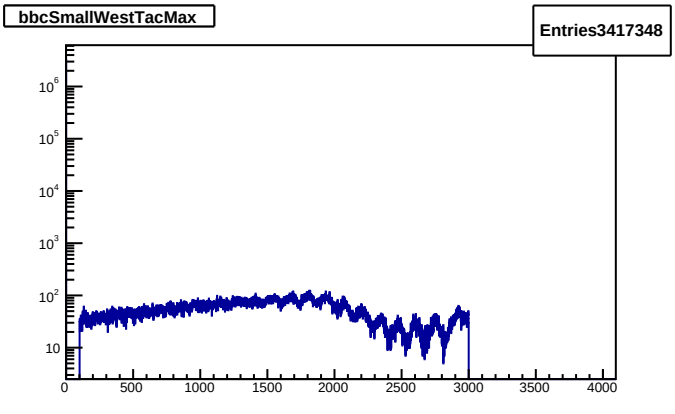
Entries 0
Data
Simu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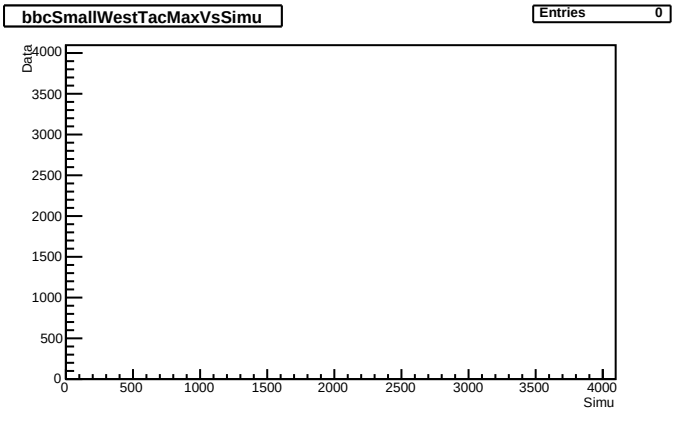
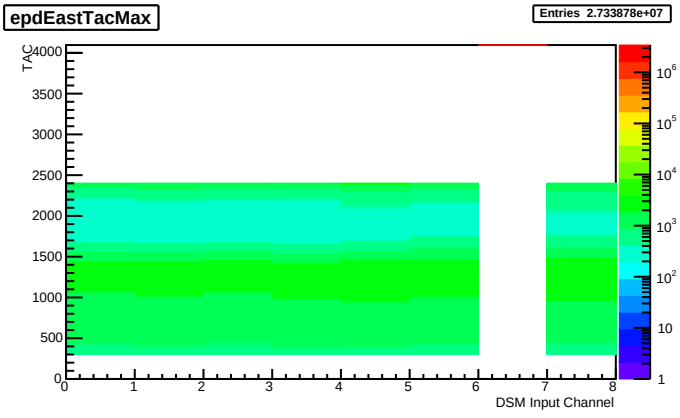
Entries3417348


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu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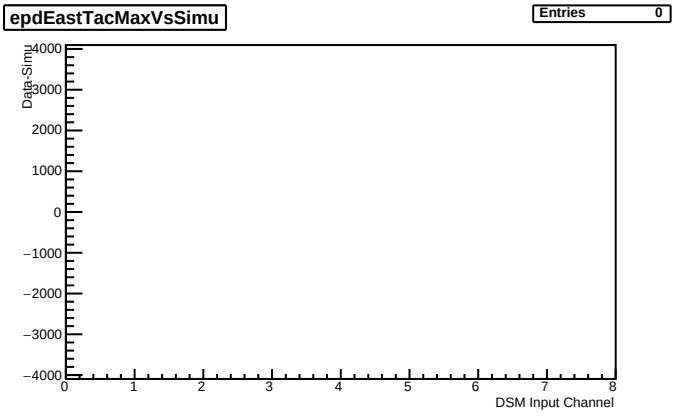
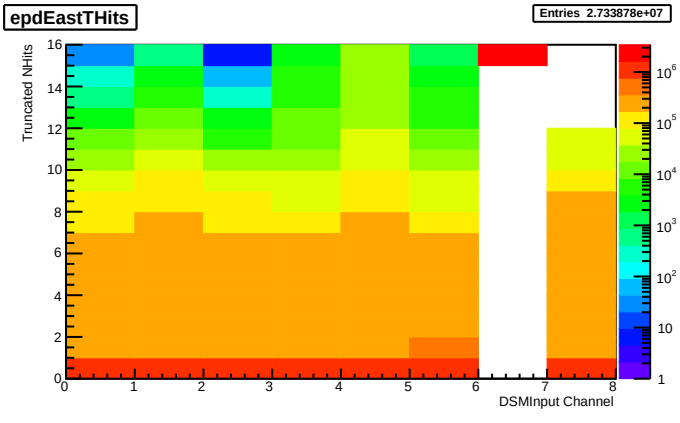
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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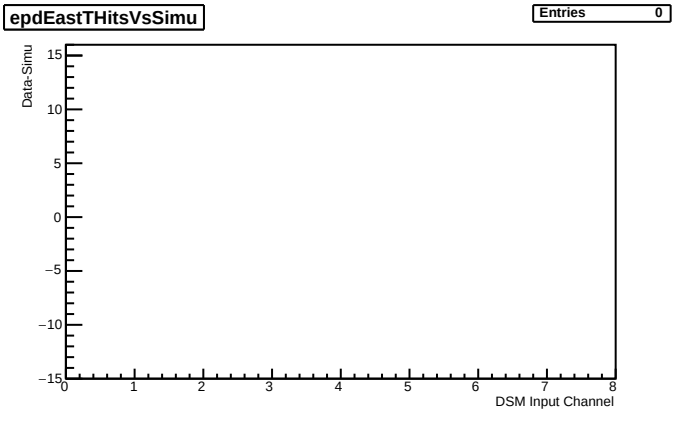
Entries 2.733878e+07
Truncated NHits
DSMInput Channel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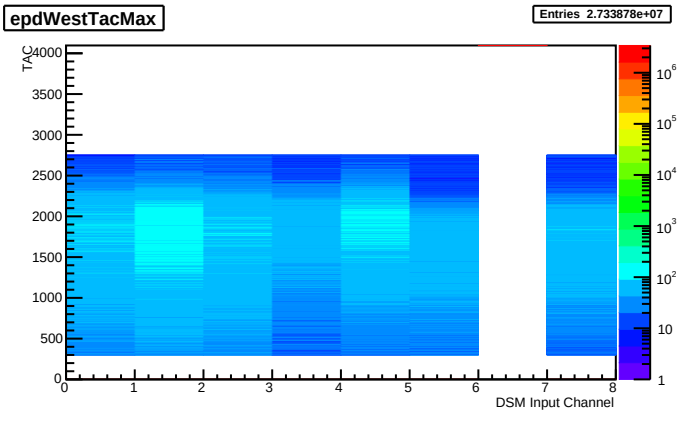
Data-Simu
DSM Input Channel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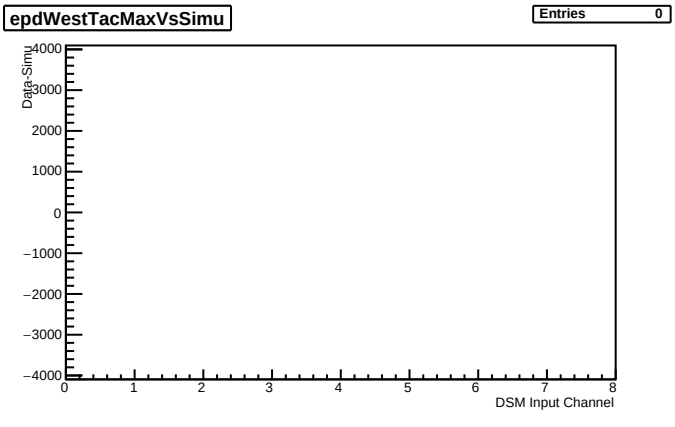
Entries 2.733878e+07
TAC
DSM Input Channel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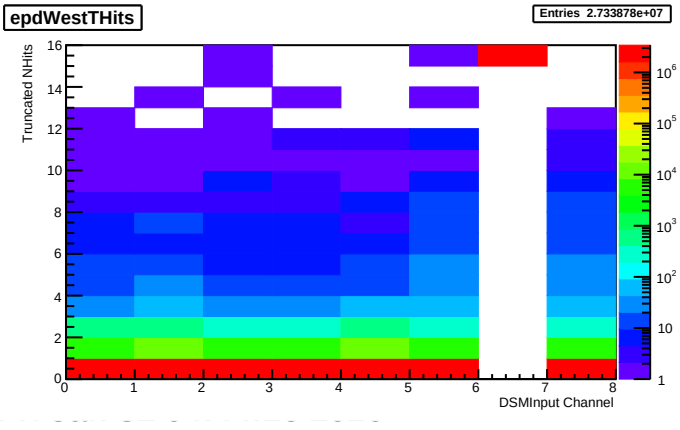
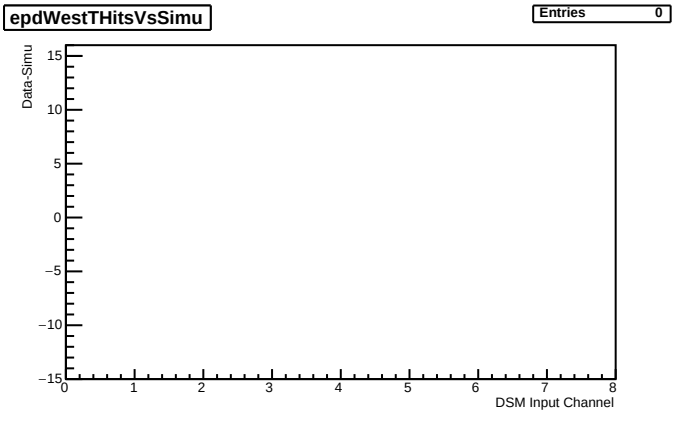
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2.733878e+07
Truncated NHits
DSMInput Channel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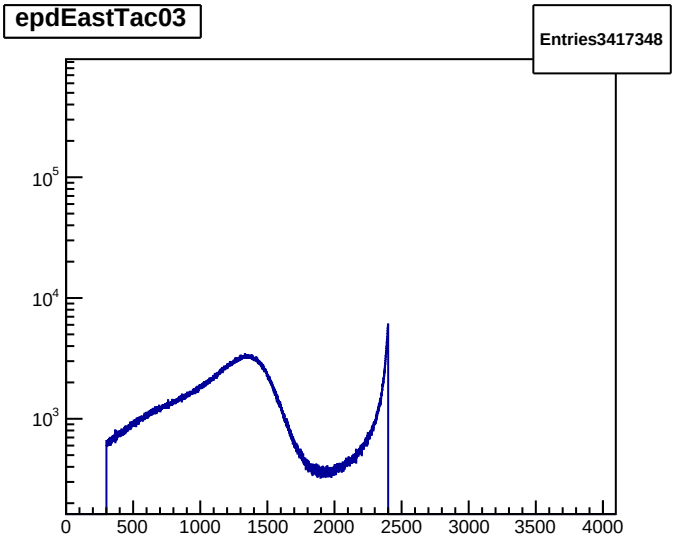
Entries 0
Data-Simu
DSM Input Channel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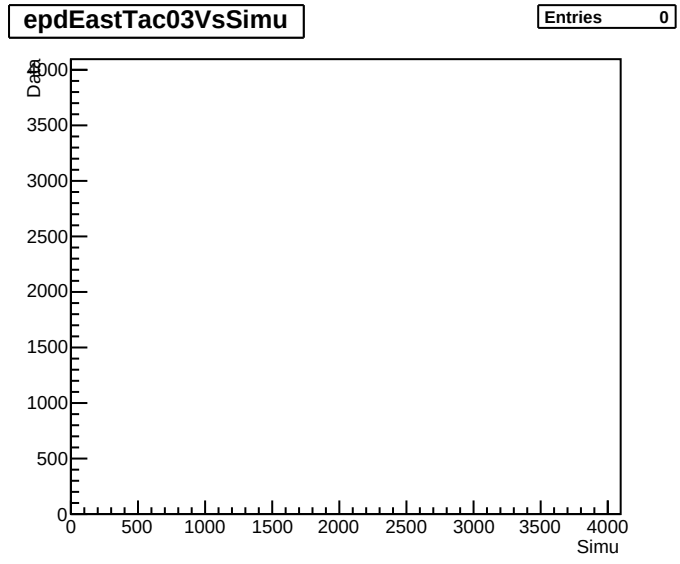
Entries3417348
10^5
10^4
10^3
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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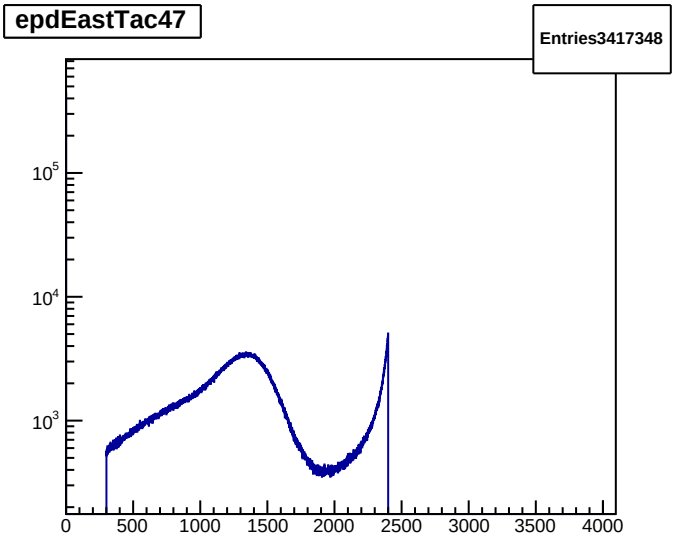
0 500 1000 1500 2000 2500 3000 3500 4000
Simu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Entries3417348
10^5
10^4
10^3
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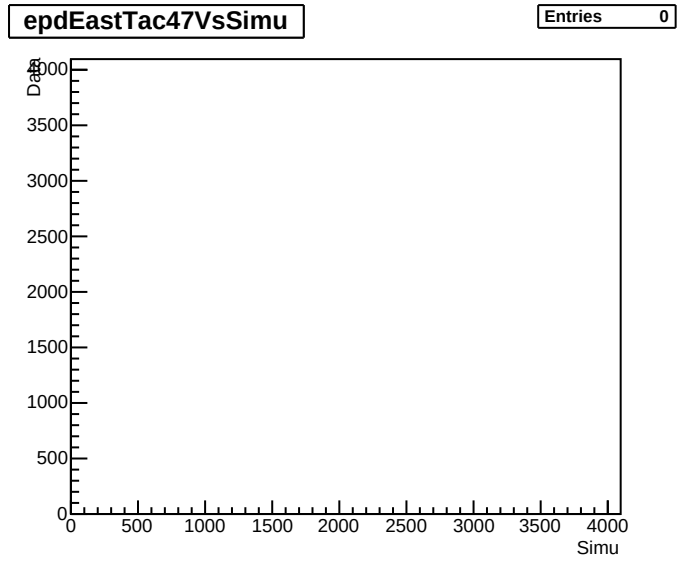
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Entries 0
Data
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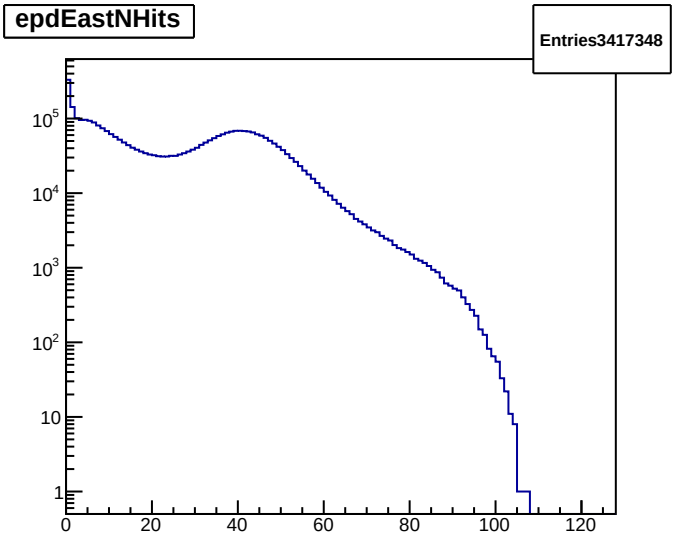
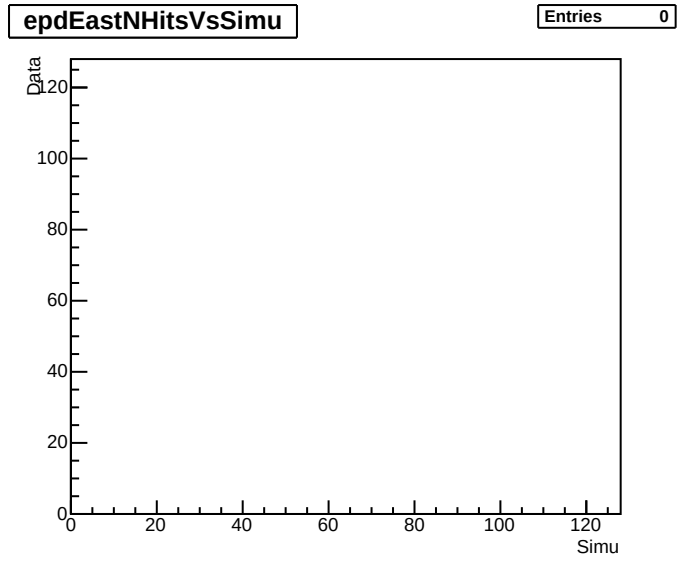
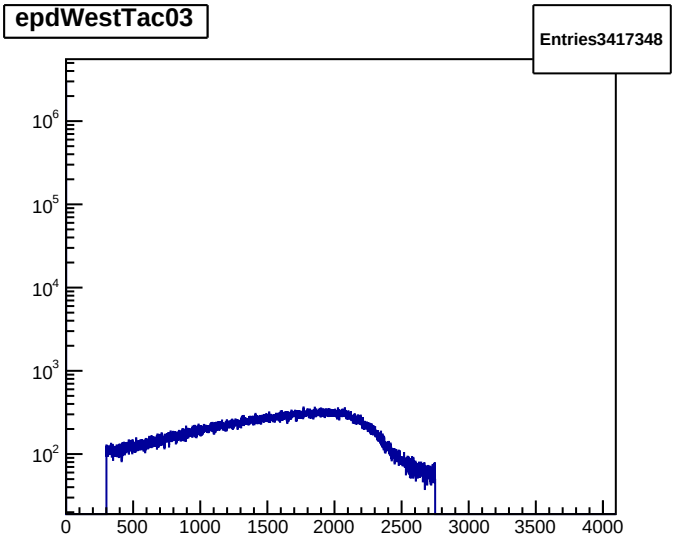
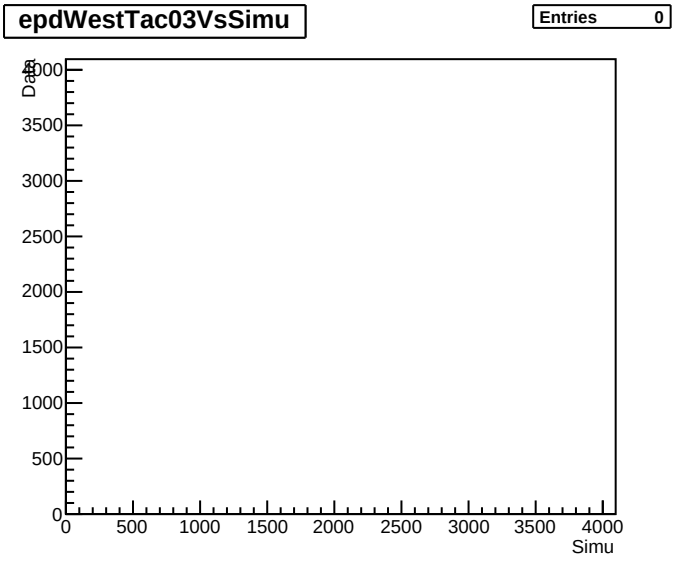
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries3417348
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries3417348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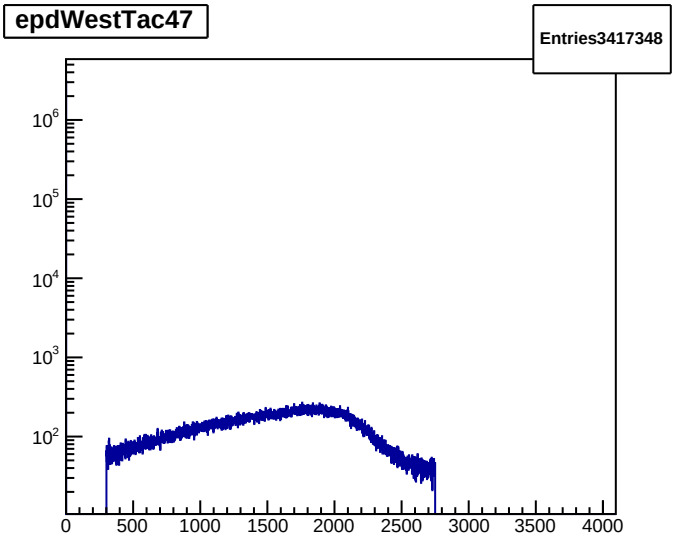
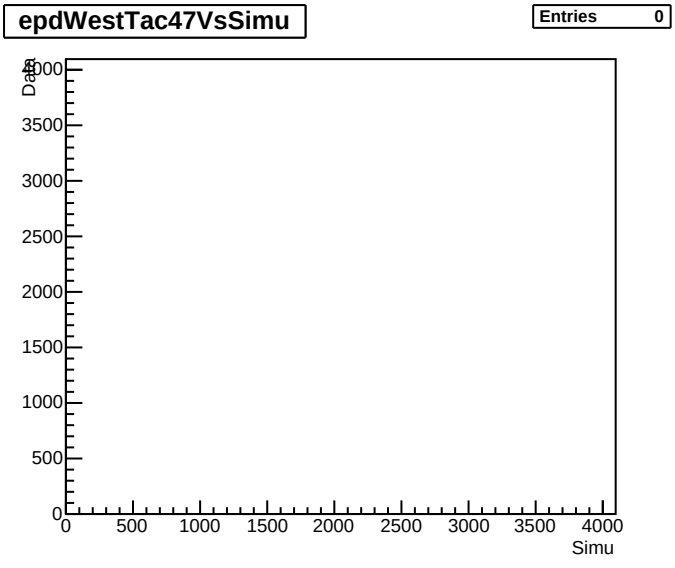
Data
Simu


epdWestTac47
Entries3417348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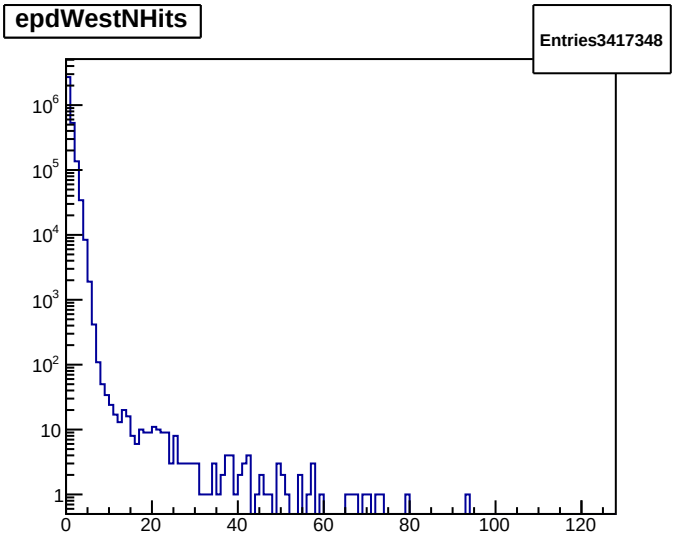
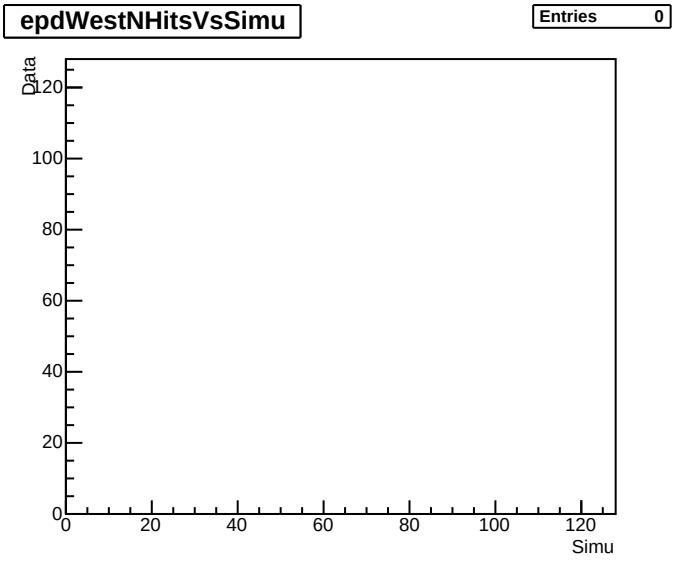
Entries 0
Data
Simu


epdWestNHits
Entries3417348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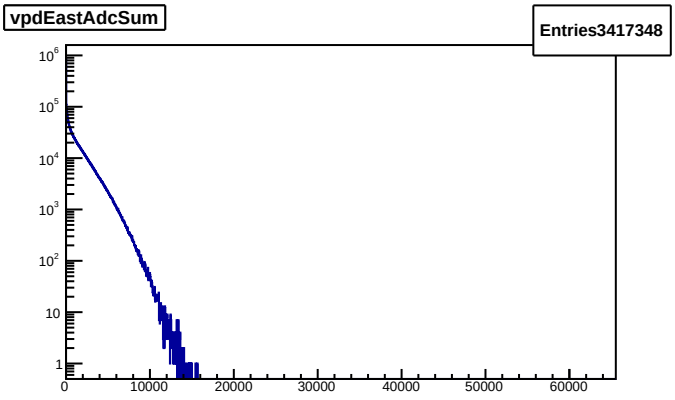
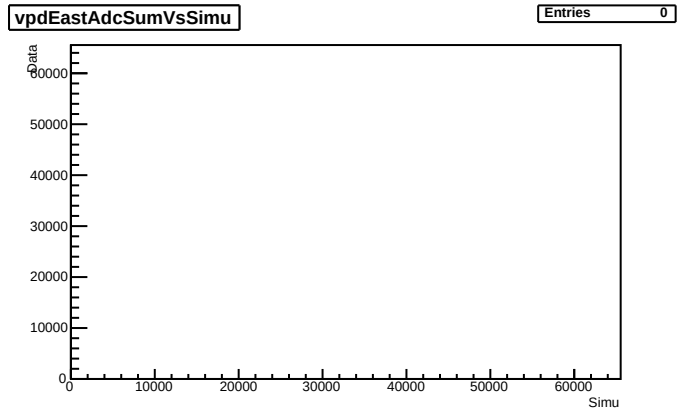
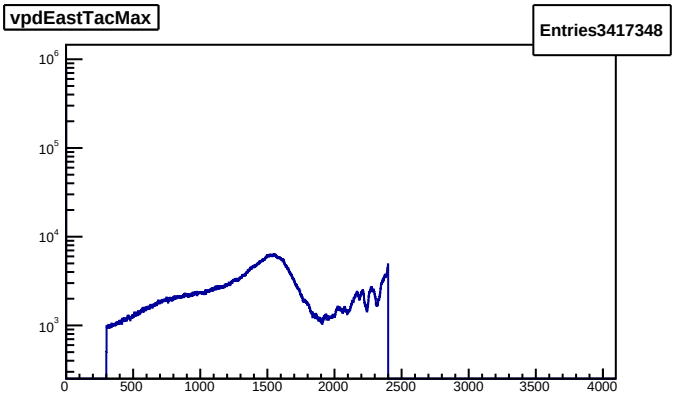
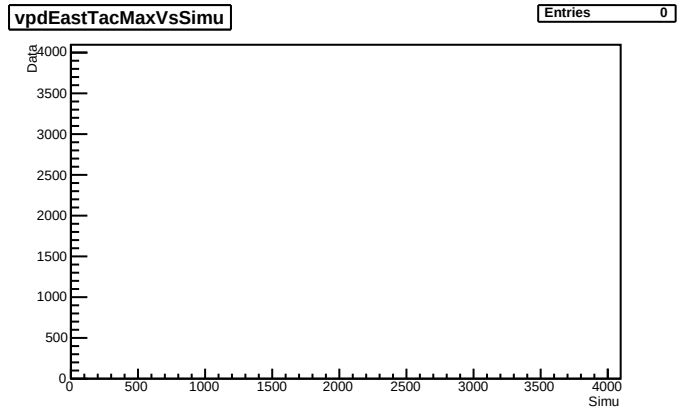
Entries 0
Data
Simu


vpdEastAdcSum
Entries3417348


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries3417348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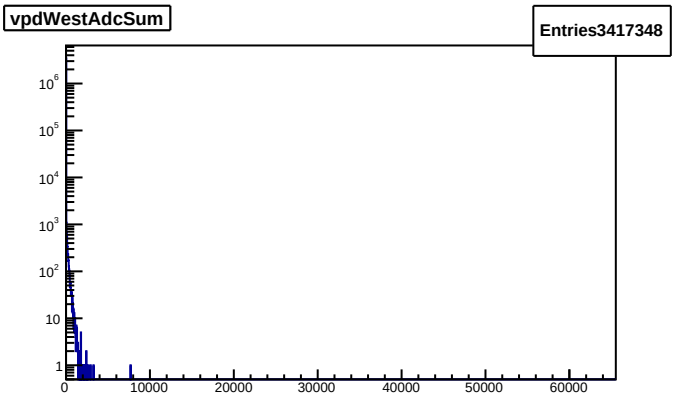
Entries 0
Data
Simu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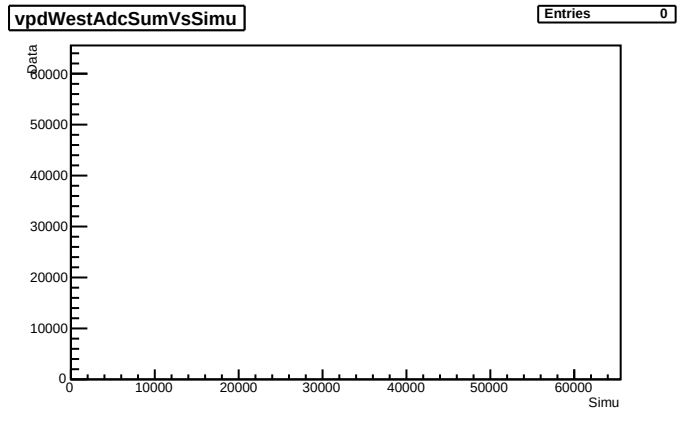
Entries3417348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Entries 0
Data
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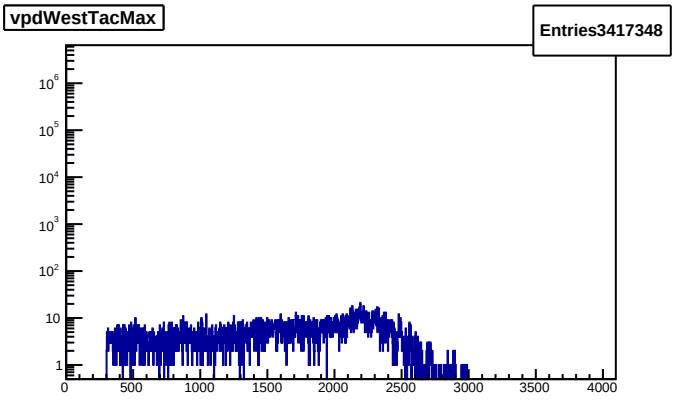
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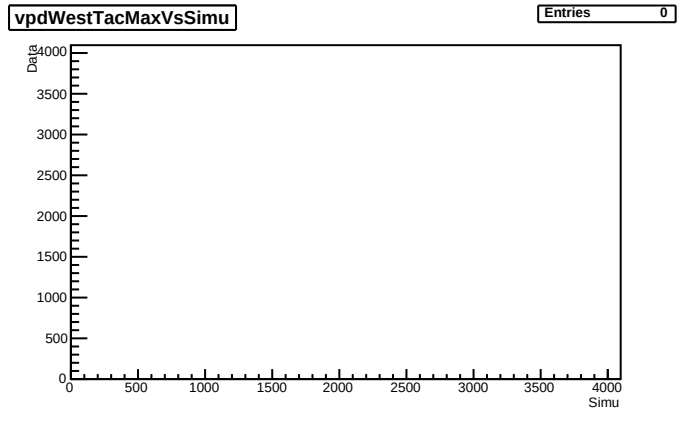
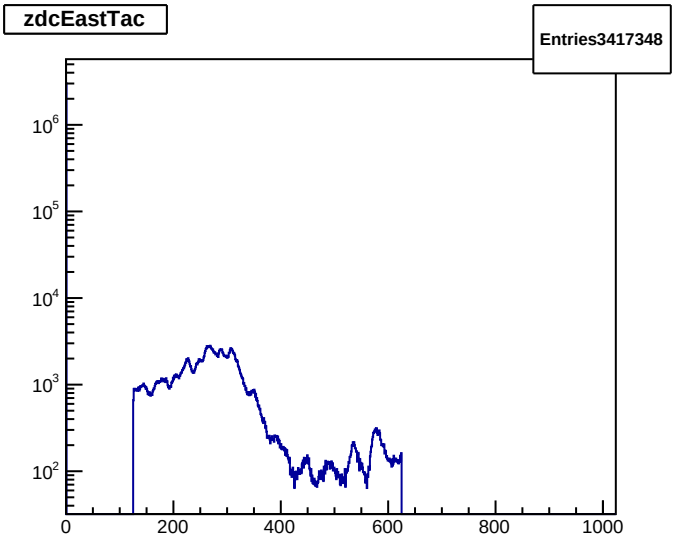
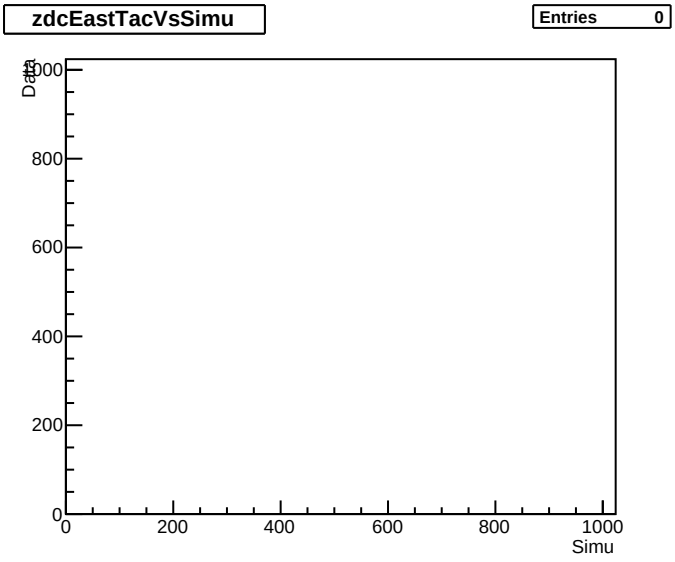
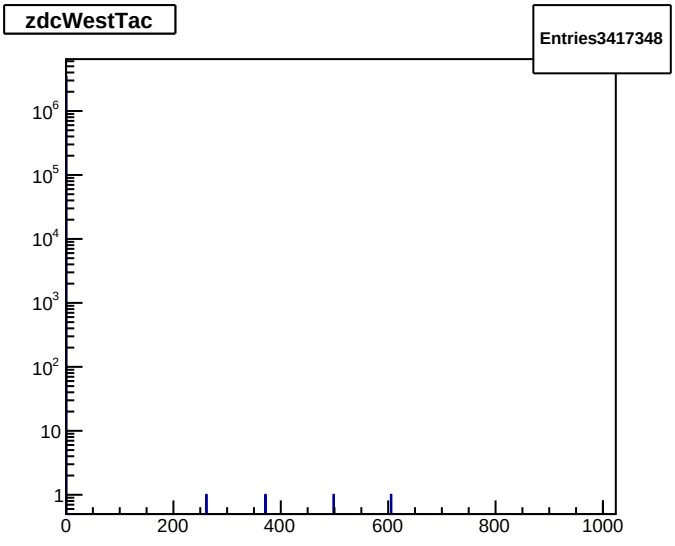
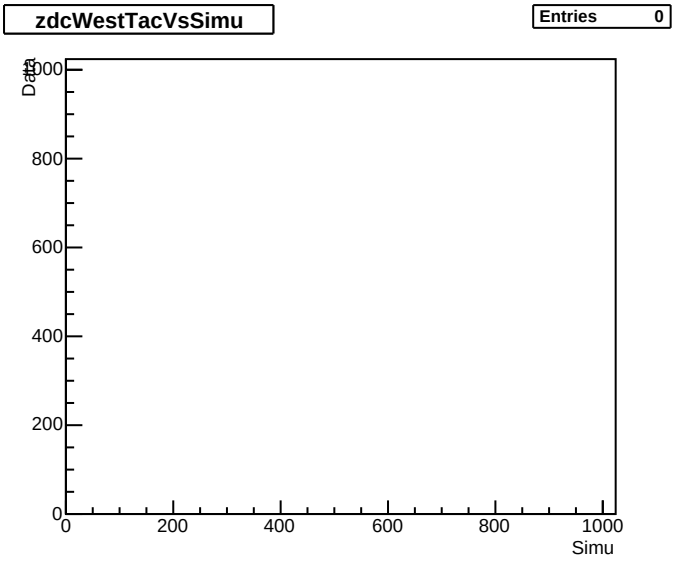
Entries3417348

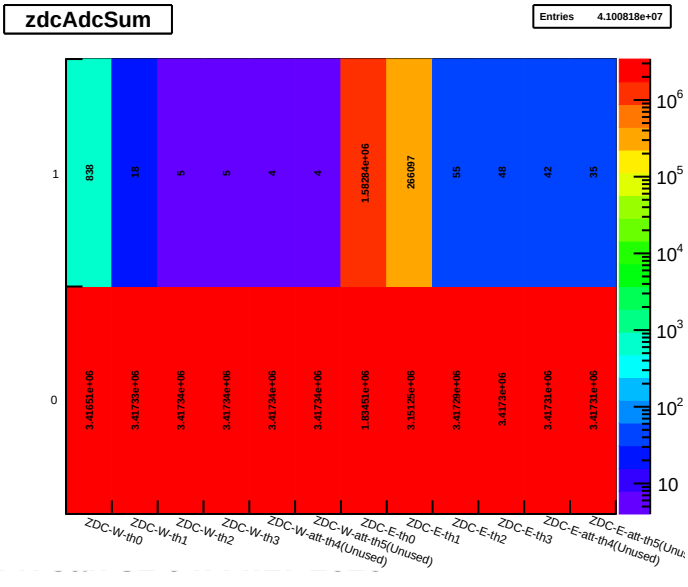

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

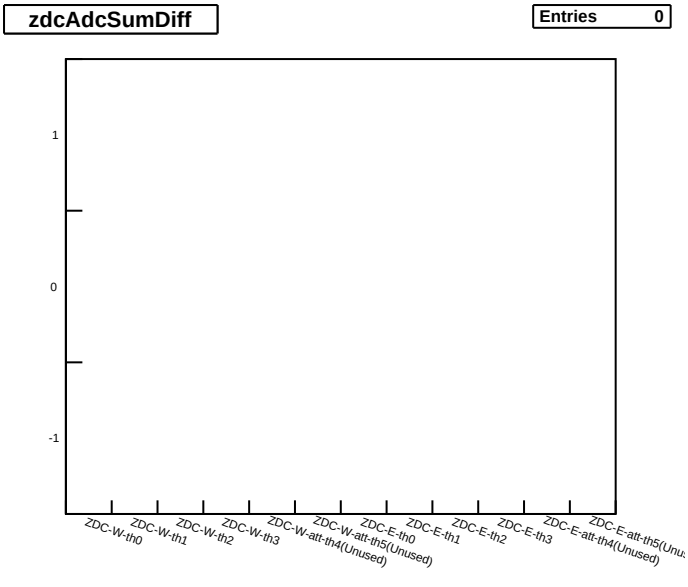

zdcEastTac
Entries3417348

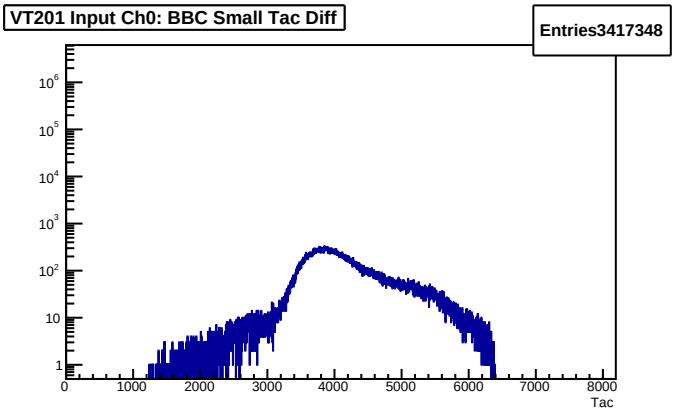

zdcEastTacVsSimu
Entries 0
Data
Simu

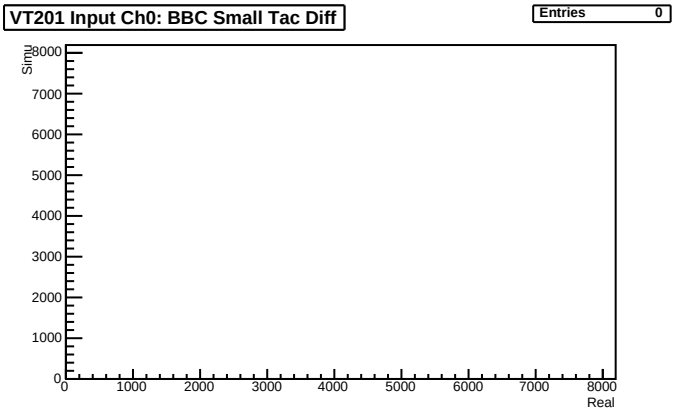

zdcWestTac
Entries3417348

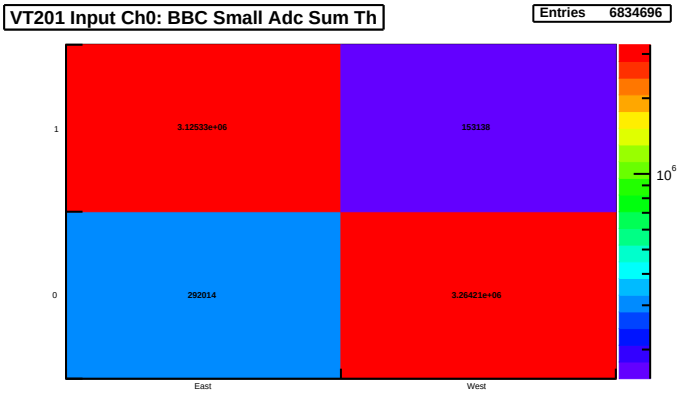

zdcWestTacVsSimu
Entries 0
Data
Simu

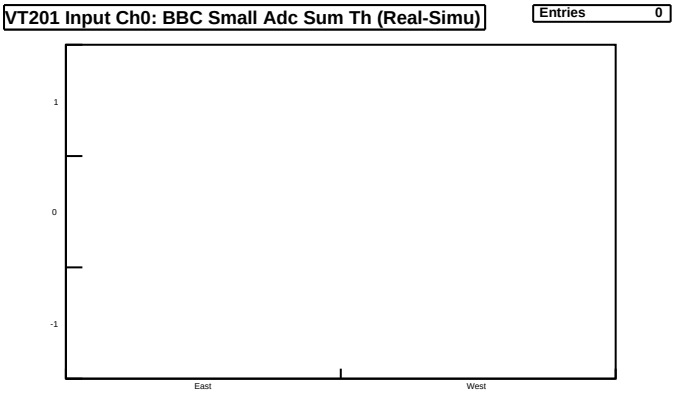

zdcAdcSum
Entries 4.100818e+07
838
18
5
5
4
4
1.58284e+06
266097
55
48
42
35
3.41651e+06
3.41733e+06
3.41734e+06
3.41734e+06
3.41734e+06
3.41734e+06
1.83451e+06
3.15125e+06
3.41729e+06
3.41730e+06
3.41731e+06
3.41731e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

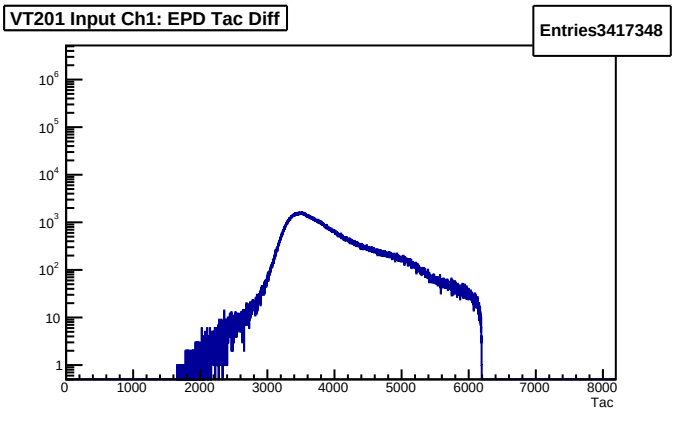

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

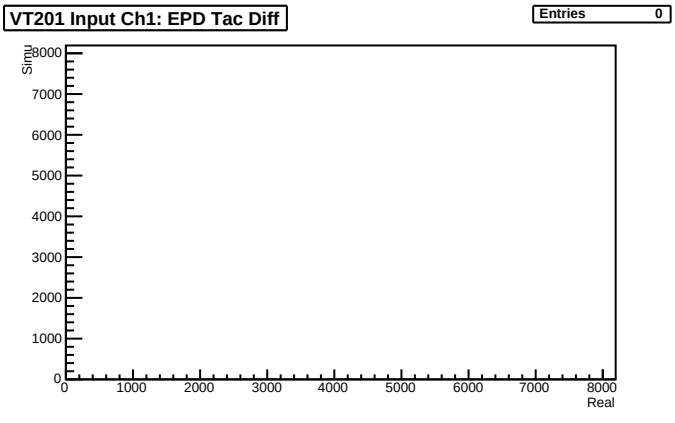

VT201 Input Ch0: BBC Small Tac Diff
Entries3417348
Tac

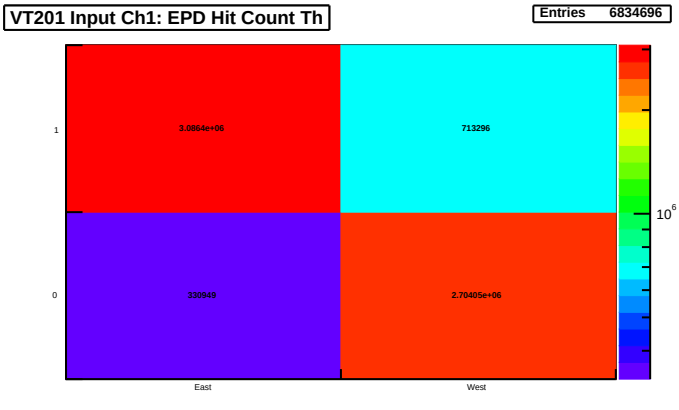

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

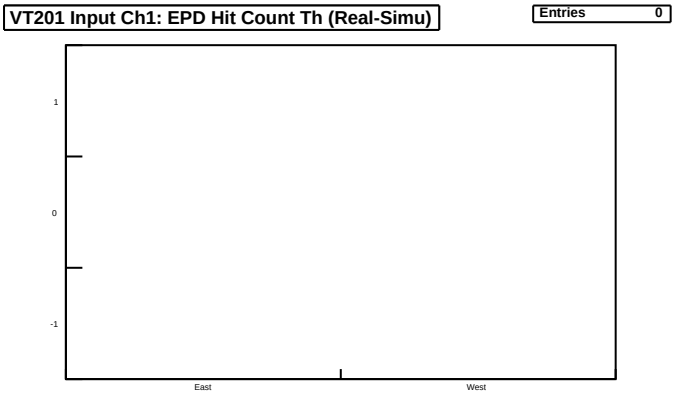

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 6834696
3.12533e+06
153138
292014
3.26421e+06
East
West

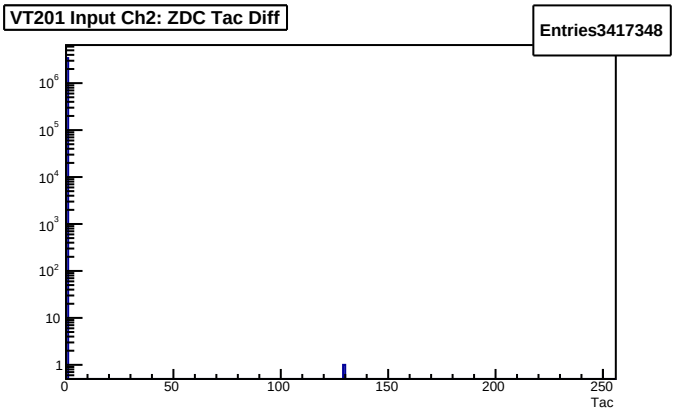

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

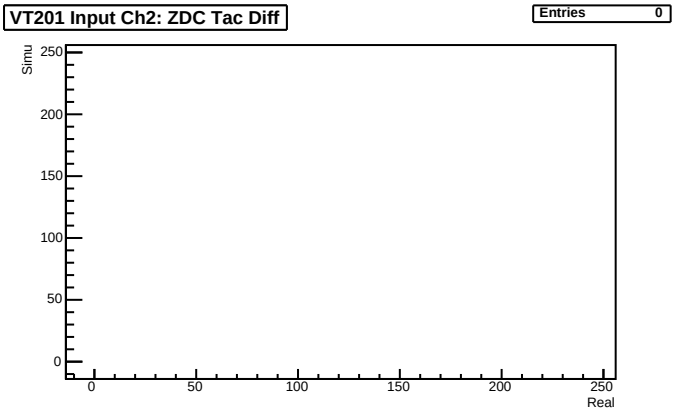

VT201 Input Ch1: EPD Tac Diff
Entries3417348
Tac

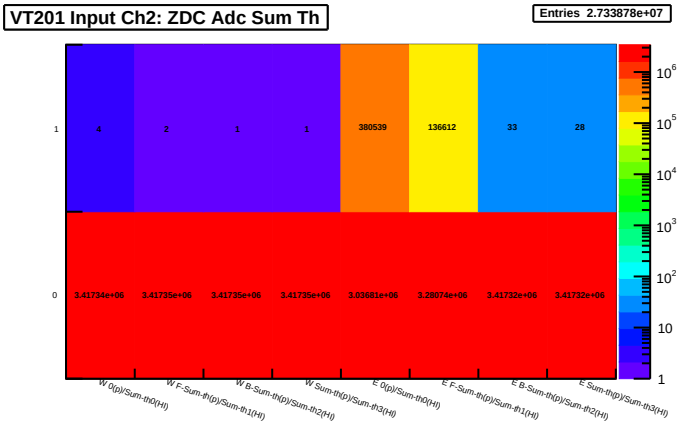

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

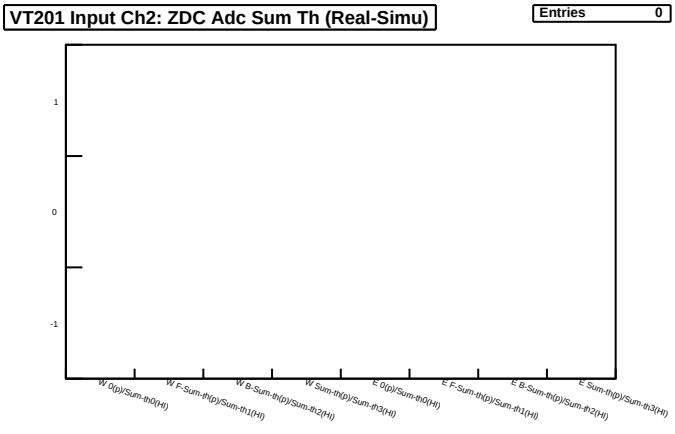

VT201 Input Ch1: EPD Hit Count Th
Entries 6834696
3.0864e+06
713296
330949
2.70405e+06
East
West

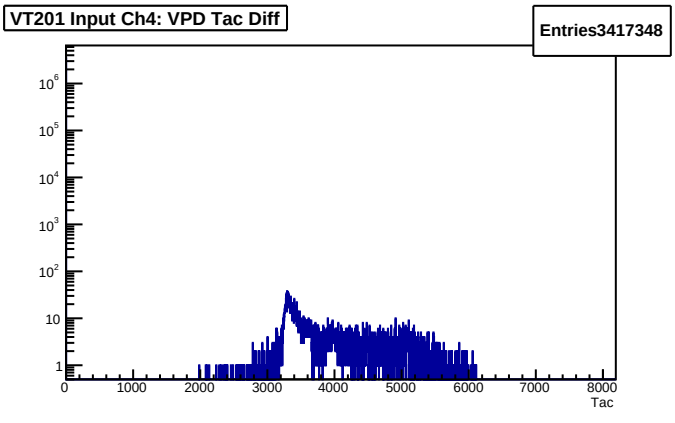

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

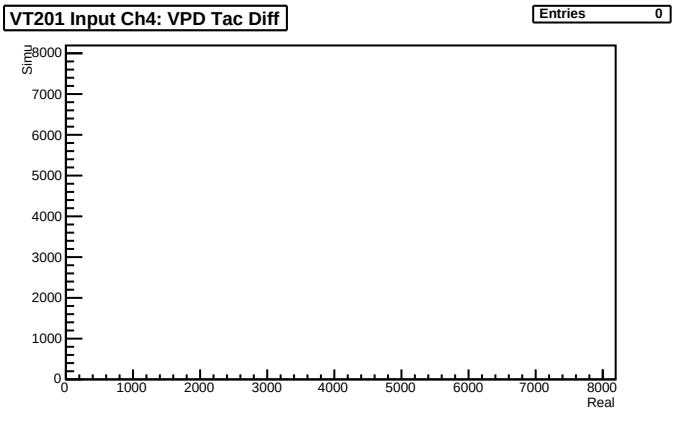

VT201 Input Ch2: ZDC Tac Diff
Entries3417348
Tac

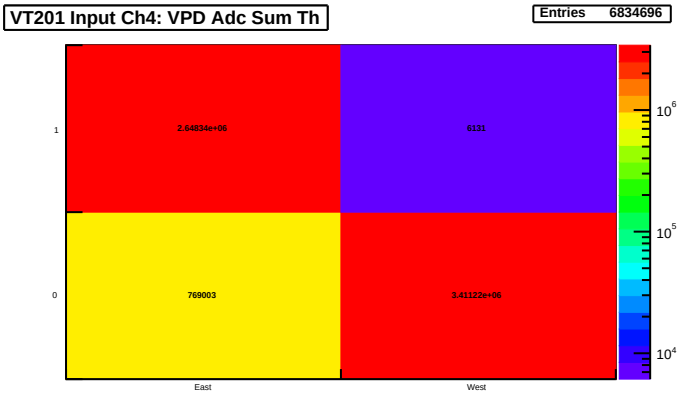

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

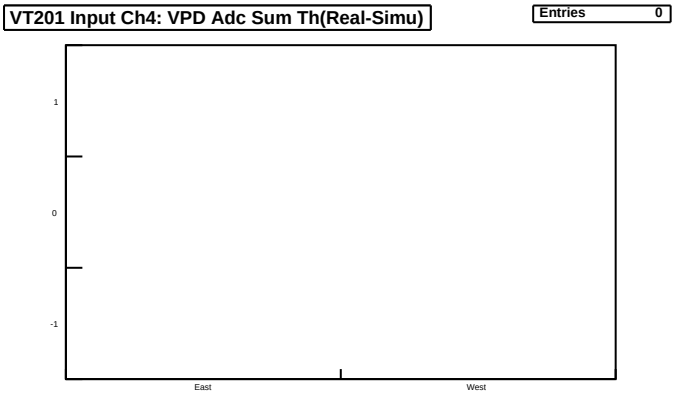

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2.733878e+07
4
2
1
1
380539
136612
33
28
3.41734e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.03681e+06
3.28074e+06
3.41732e+06
3.41732e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

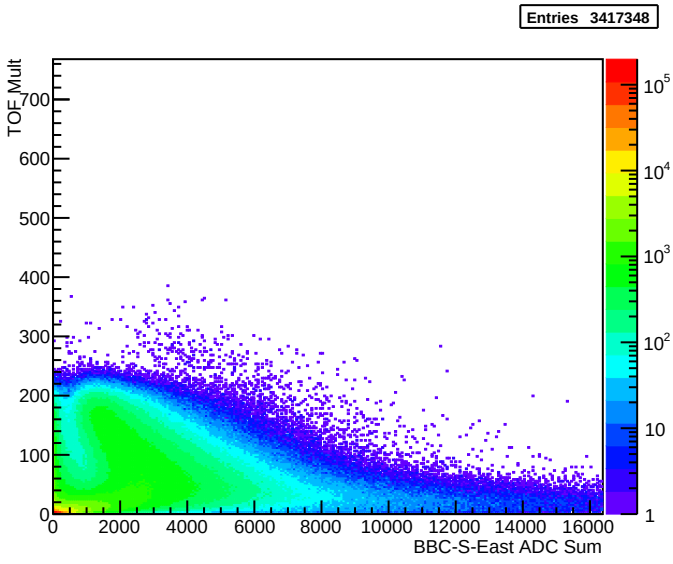

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

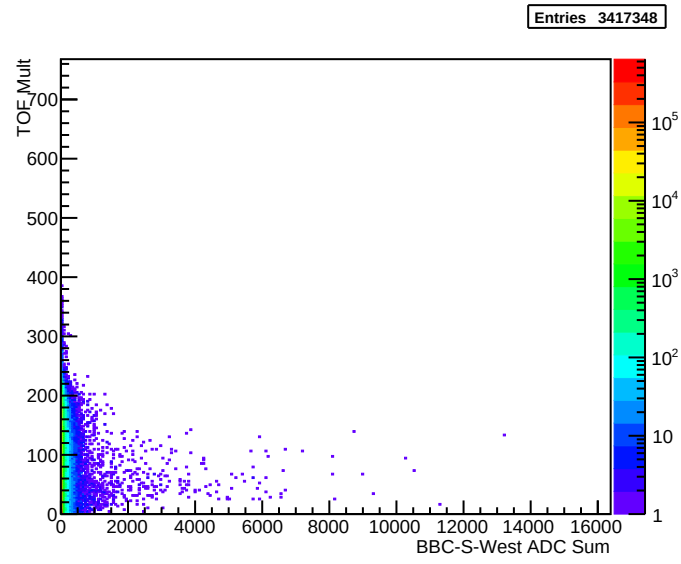

VT201 Input Ch4: VPD Tac Diff
Entries3417348
Tac

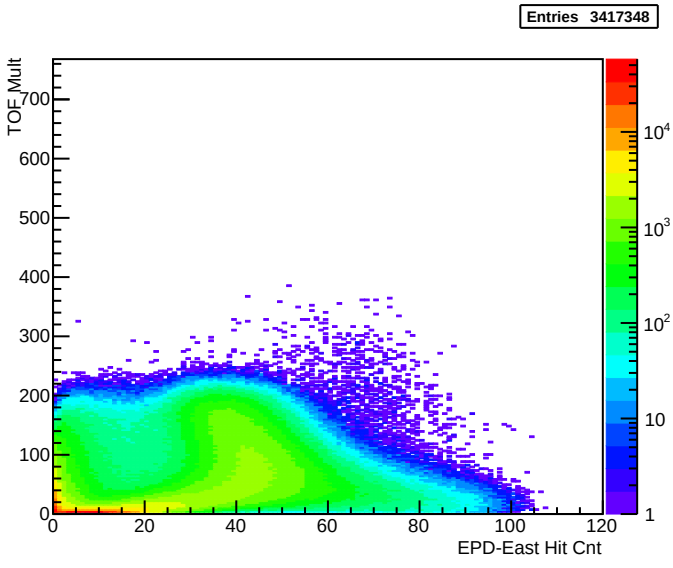

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

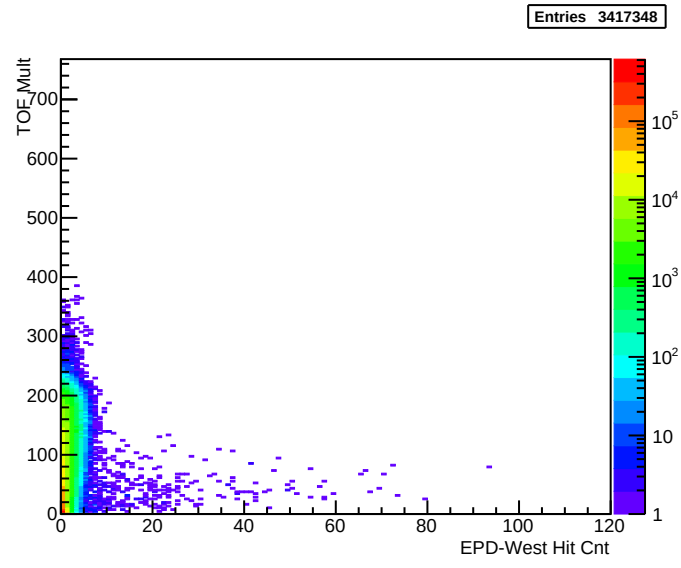

VT201 Input Ch4: VPD Adc Sum Th
Entries 6834696
2.64834e+06
6131
769003
3.41122e+06
East
West

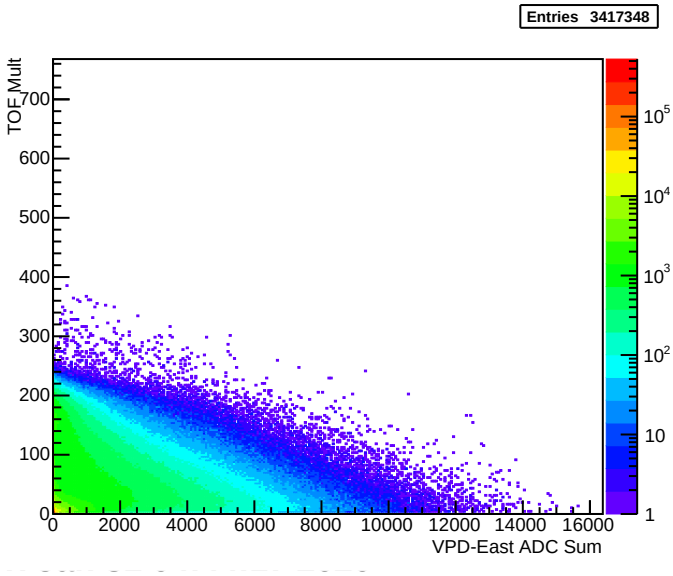

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

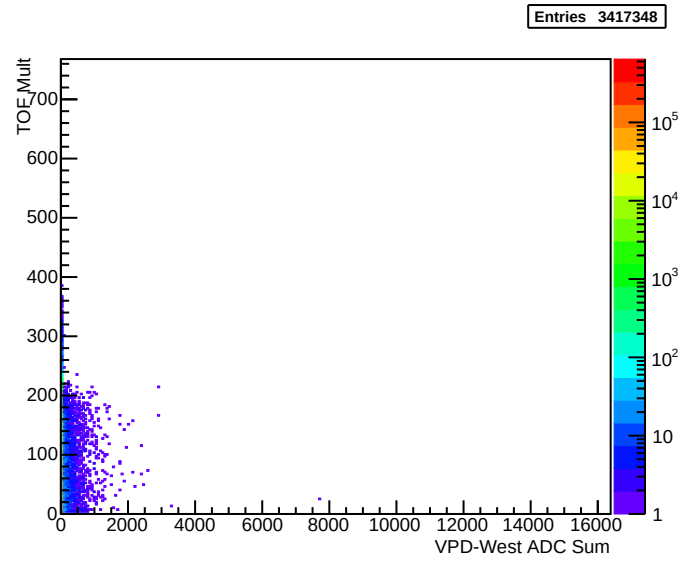

Entries 3417348
TOF_Mult
BBC-S-East ADC Sum

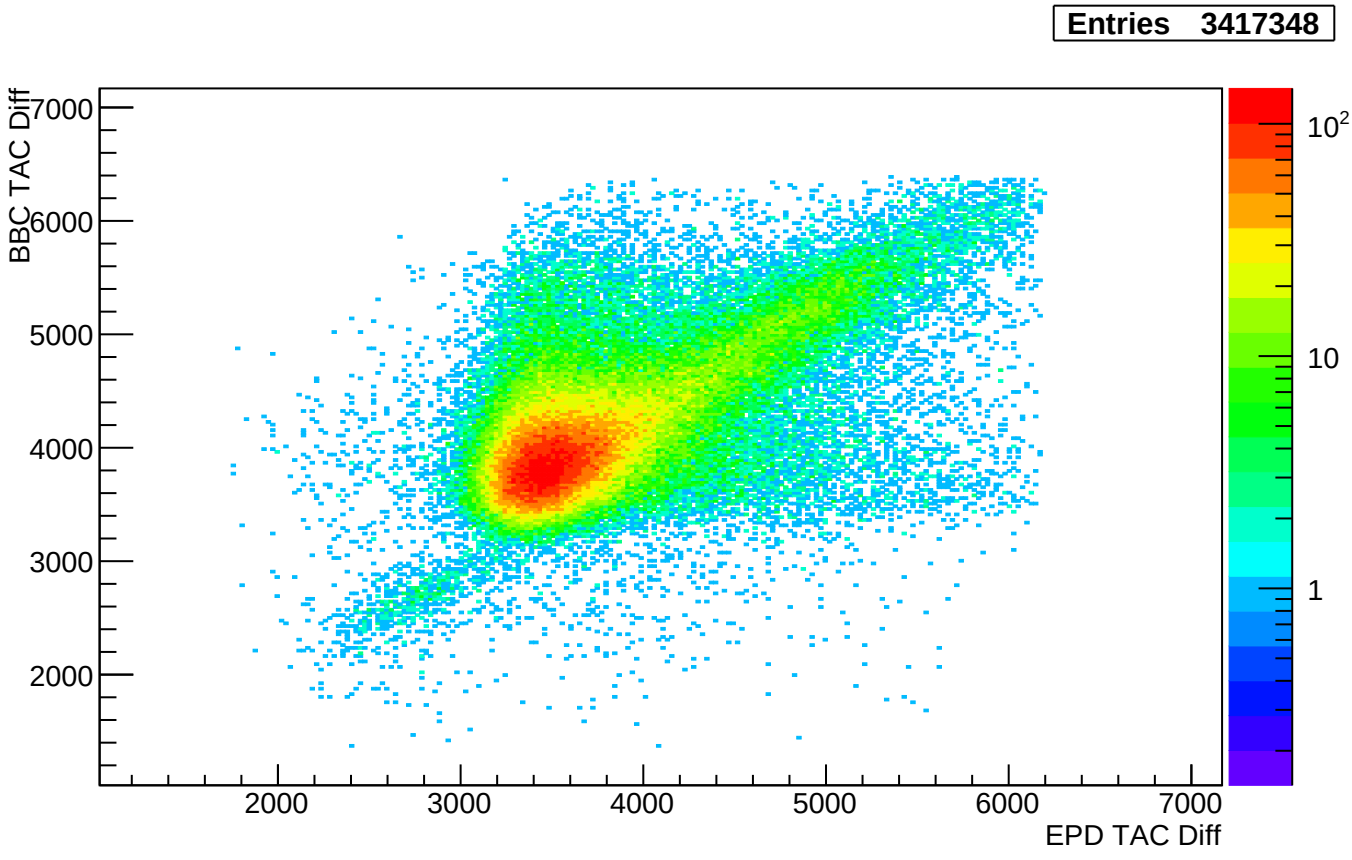

Entries 3417348
TOF_Mult
BBC-S-West ADC Sum

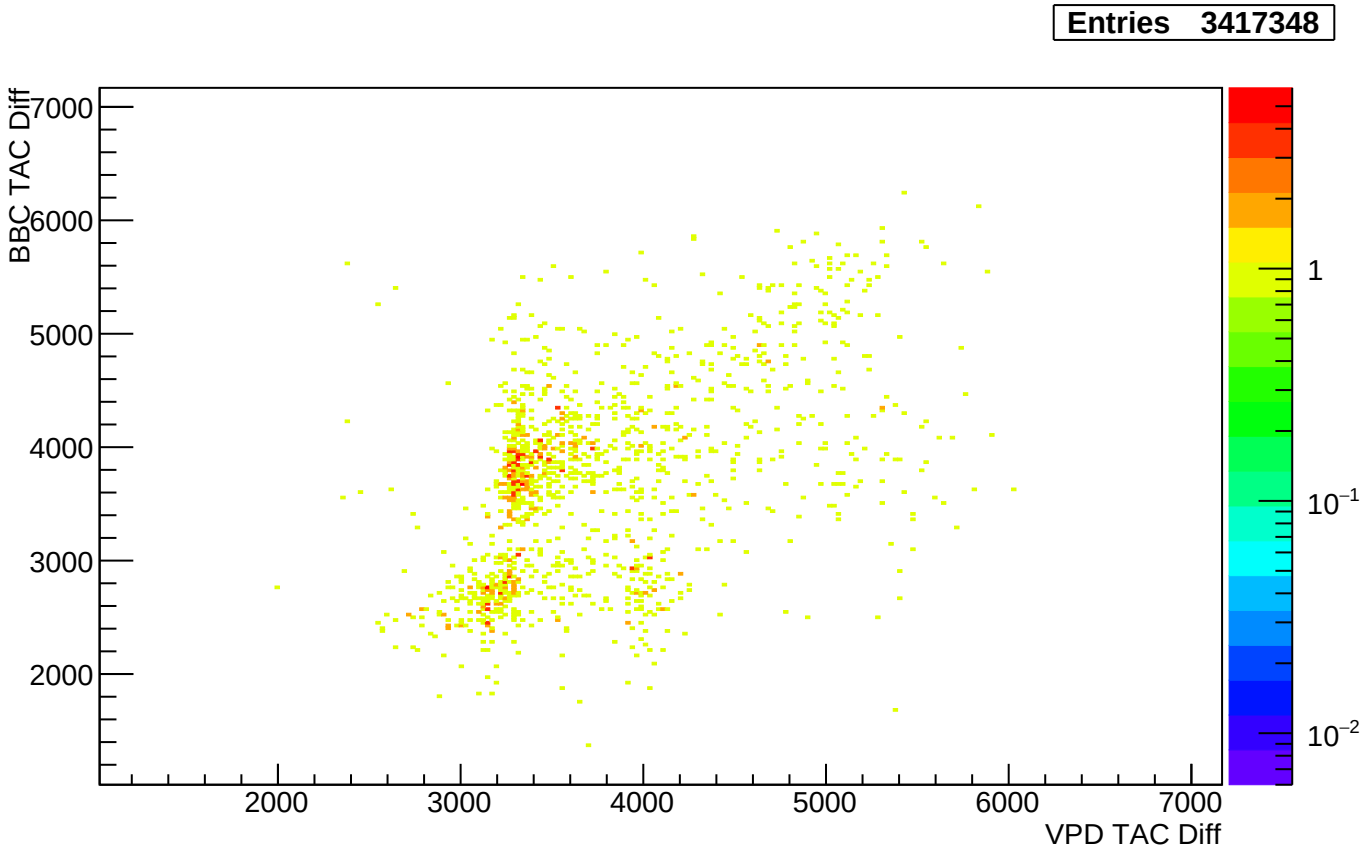

Entries 3417348
TOF_Mult
EPD-East Hit Cnt

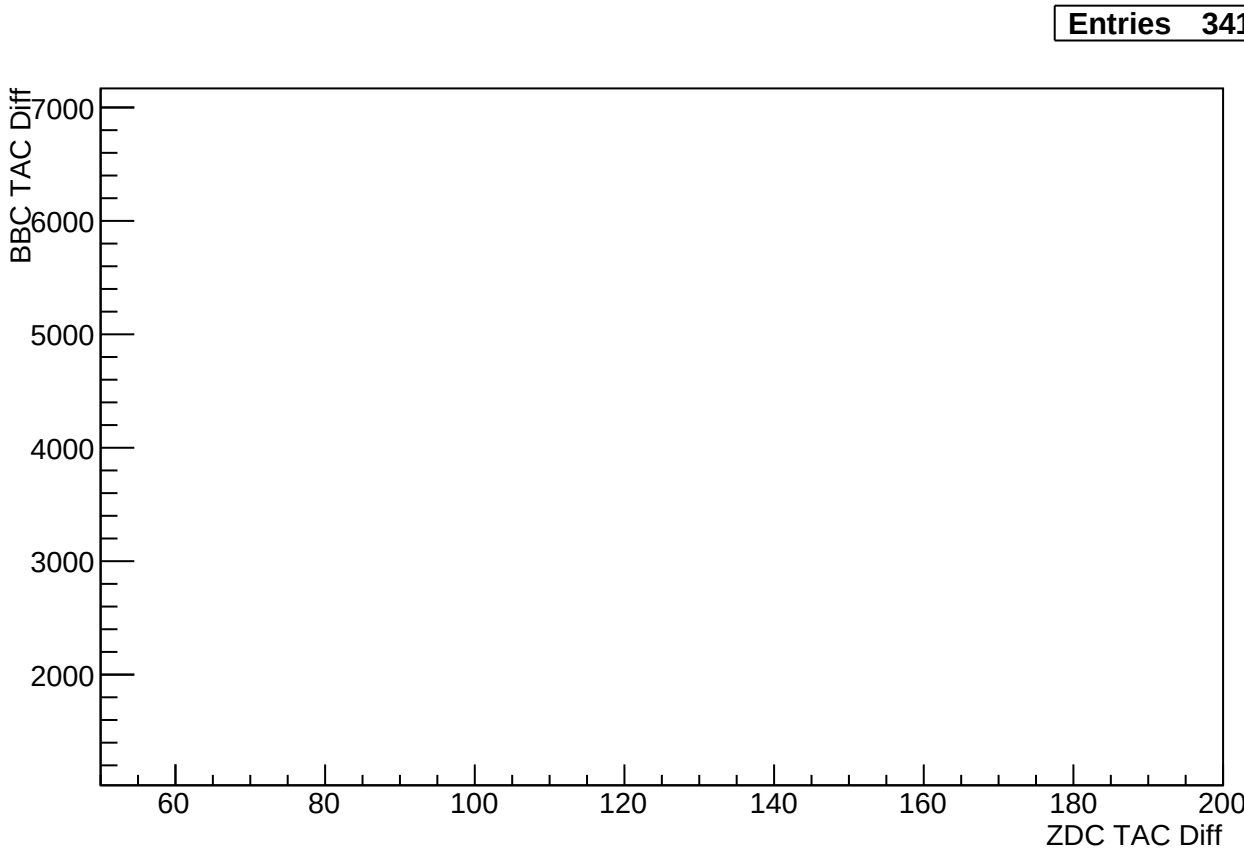

Entries 3417348
TOF_Mult
EPD-West Hit Cnt

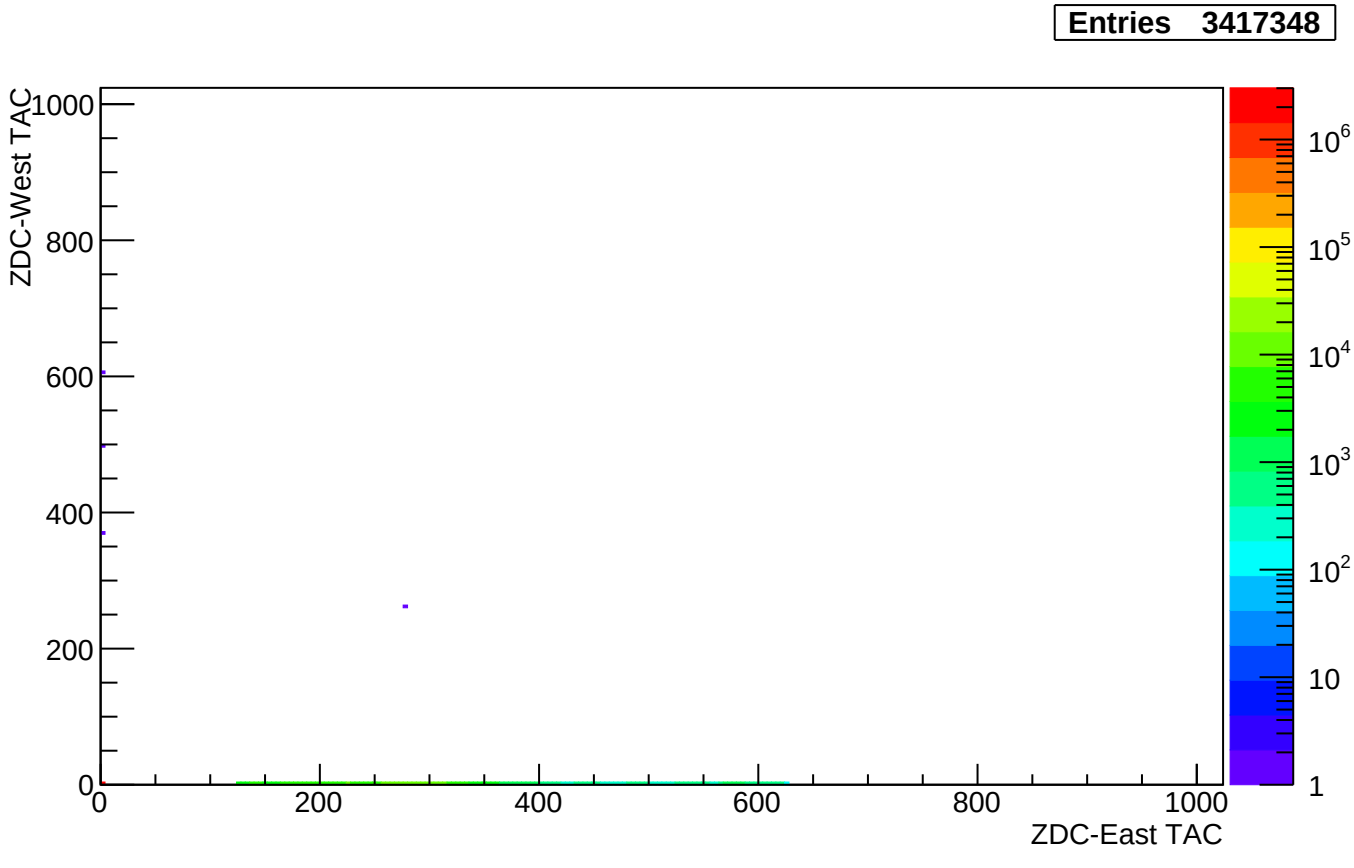

Entries 3417348
TOF_Mult
VPD-East ADC Sum

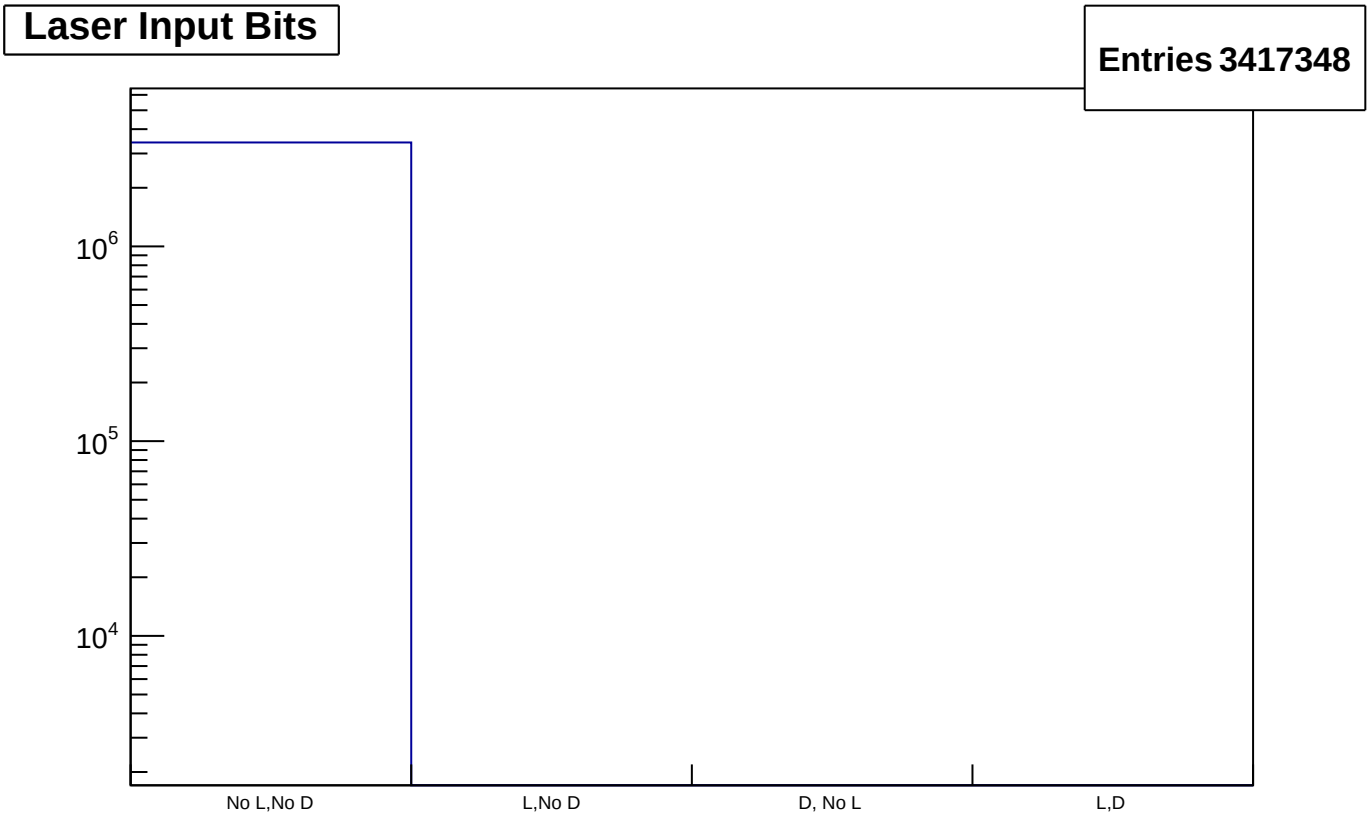

Entries 3417348
TOF_Mult
VPD-West ADC Sum

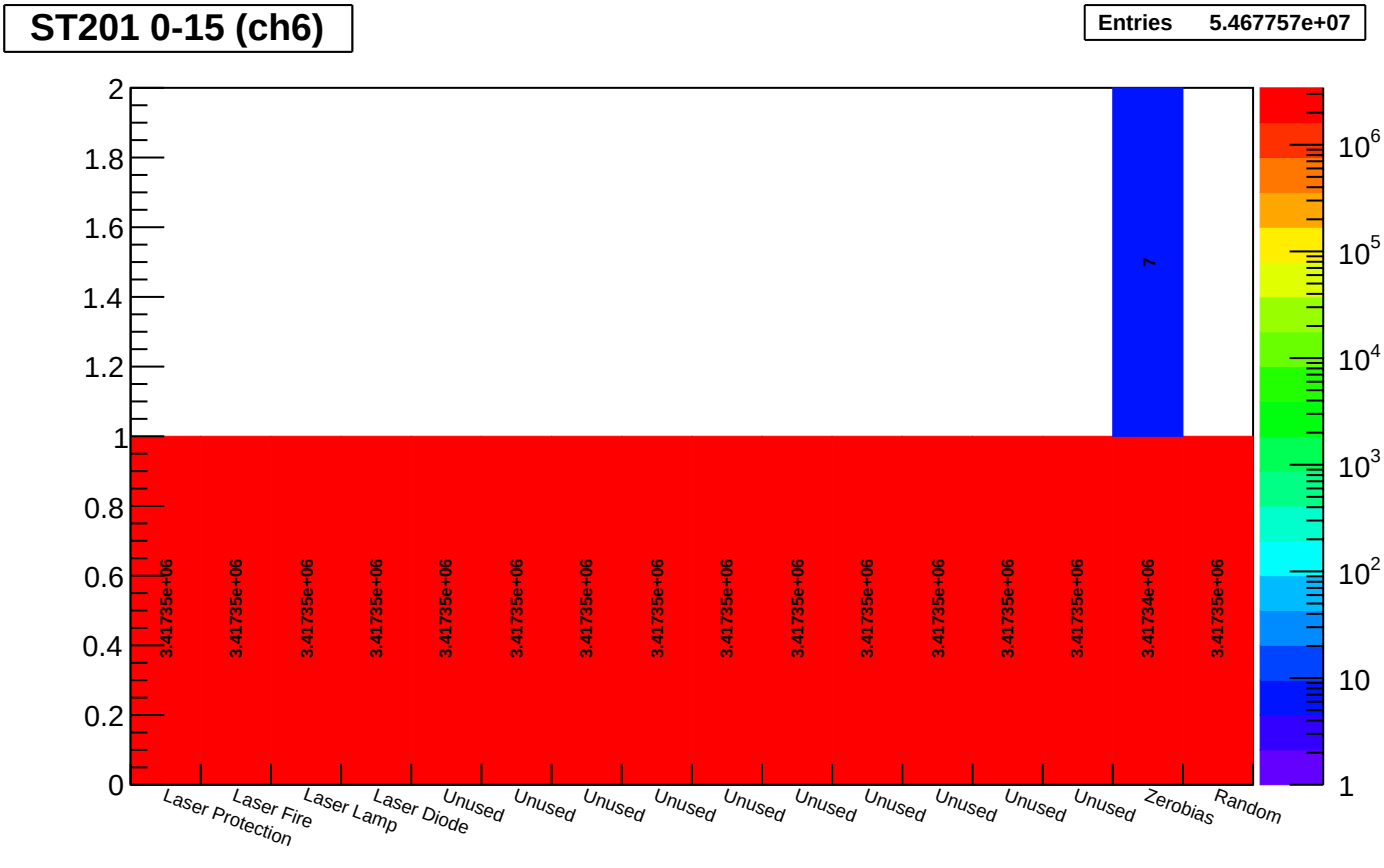

Entries 3417348
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

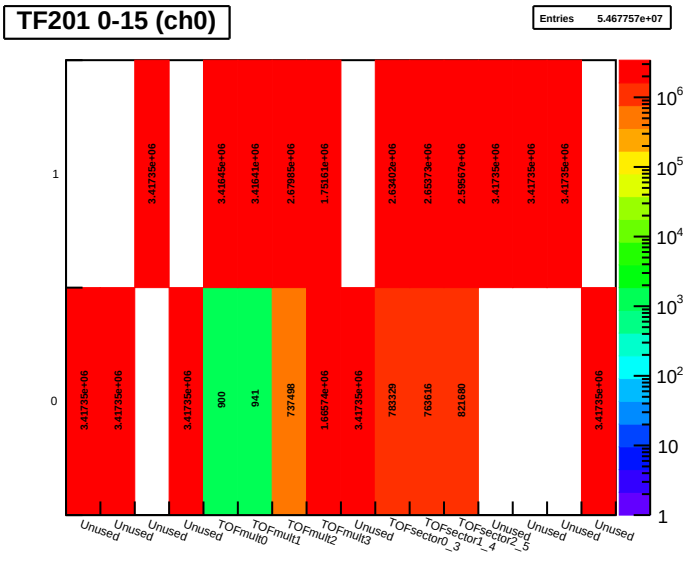

Entries 3417348
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

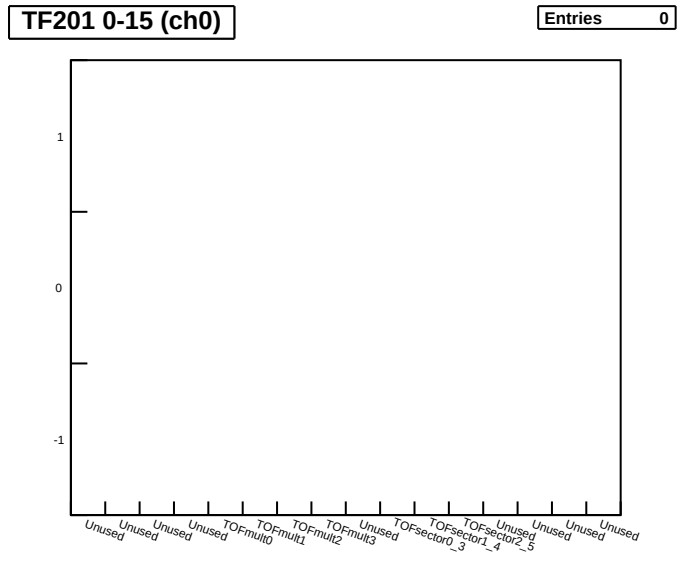

Entries 3417348
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

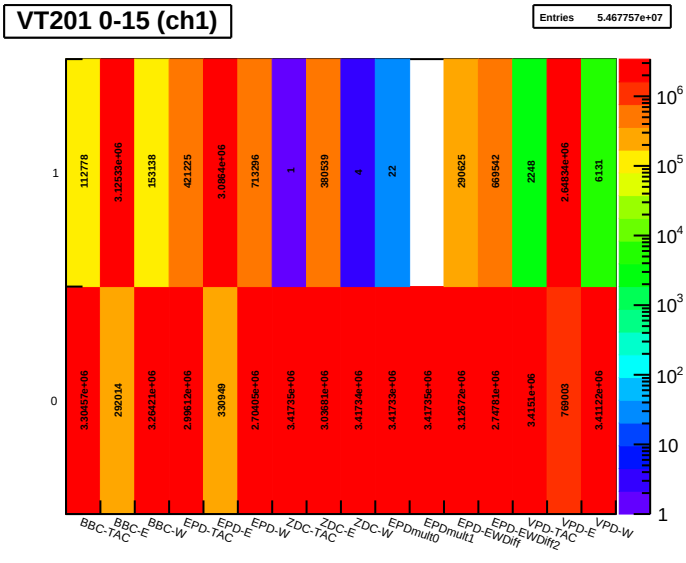

Entries 3417348
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

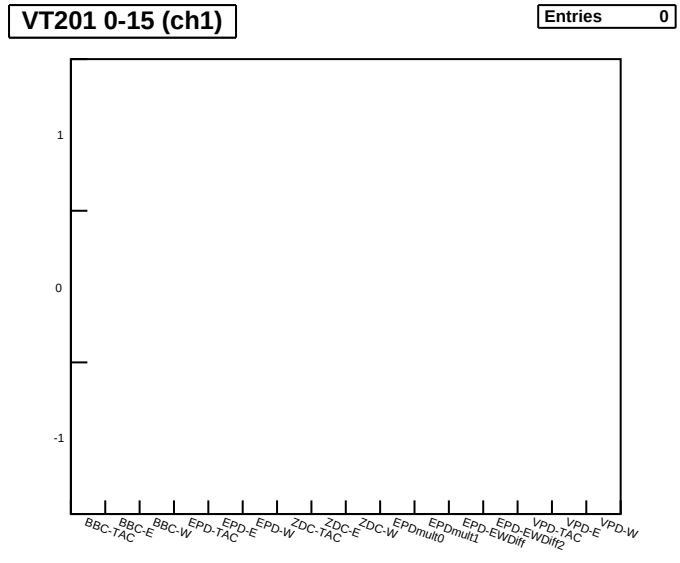

Laser Input Bits
Entries 3417348
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

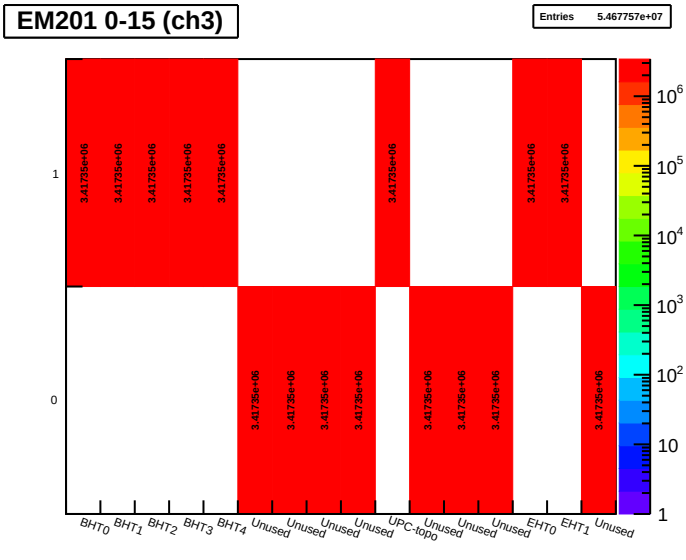

ST201 0-15 (ch6)
Entries 5.467757e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3.41735e+06
3.41734e+06
7
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

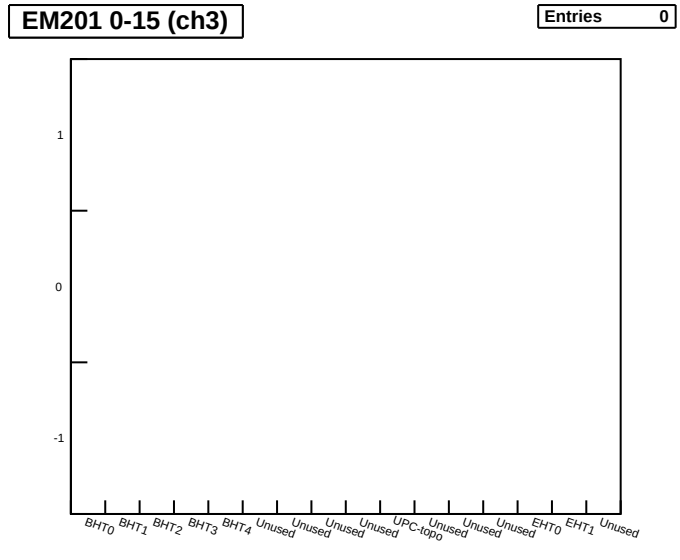

TF201 0-15 (ch0)
Entries 5.467757e+07
1
0
3.41735e+06
3.41645e+06
3.41641e+06
2.67985e+06
1.75161e+06
2.63402e+06
2.65373e+06
2.59567e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
900
941
737498
1.66574e+06
3.41735e+06
783329
763616
821680
3.41735e+06
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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 5.467757e+07
1
0
112778
3.12533e+06
153138
421225
3.08564e+06
713296
1
380539
4
22
290625
669542
2248
2.64834e+06
6131
3.30457e+06
292014
3.26421e+06
2.98912e+06
330949
2.70405e+06
3.41735e+06
3.03681e+06
3.41734e+06
3.41736e+06
3.41735e+06
3.12672e+06
2.74781e+06
3.4151e+06
769003
3.41122e+06
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
1
10
10^2
10^3
10^4
10^5
10^6


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 5.467757e+07
1
0
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
3.41735e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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