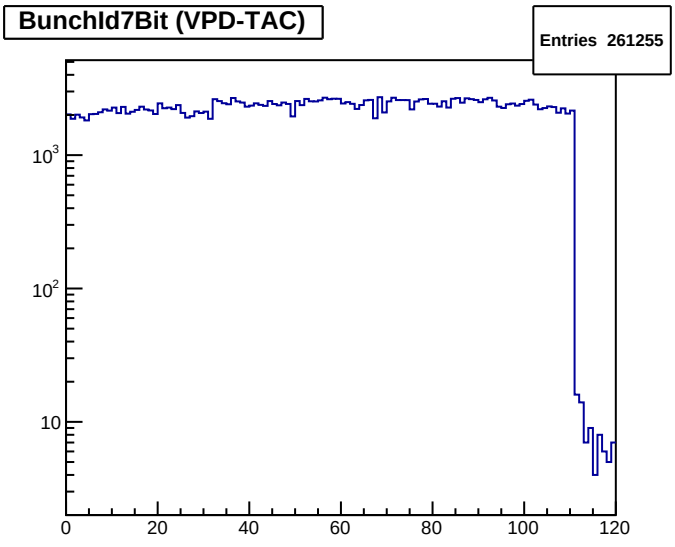
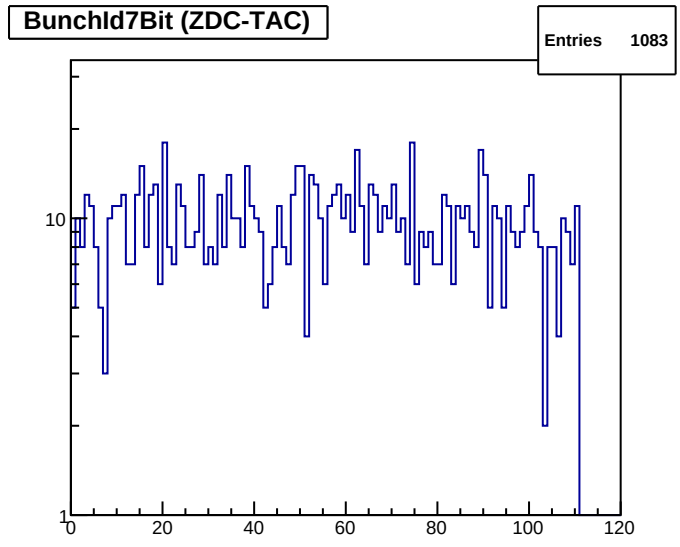
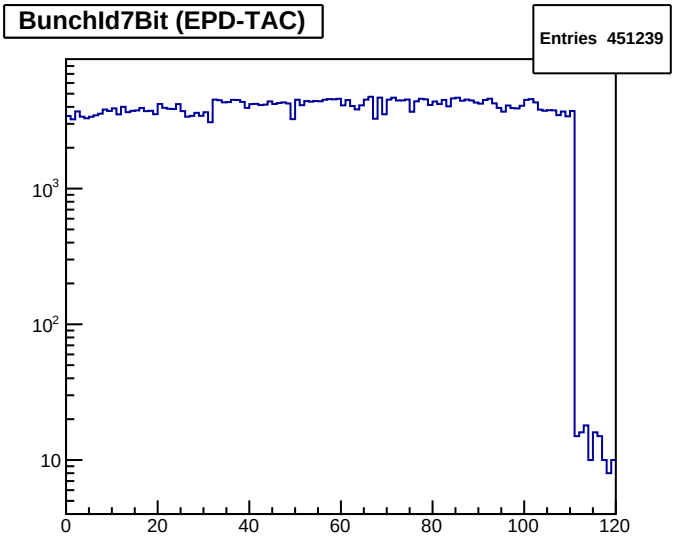
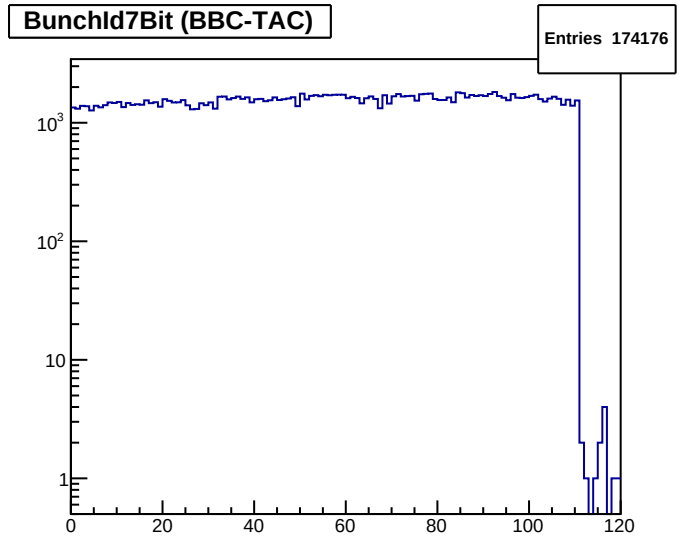
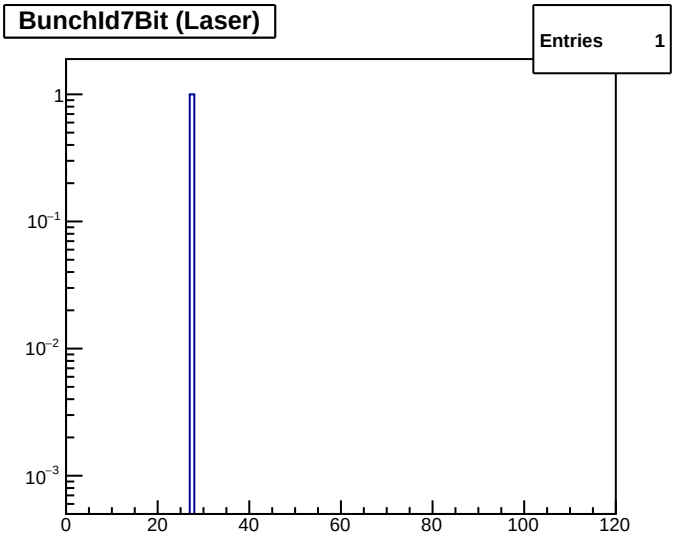
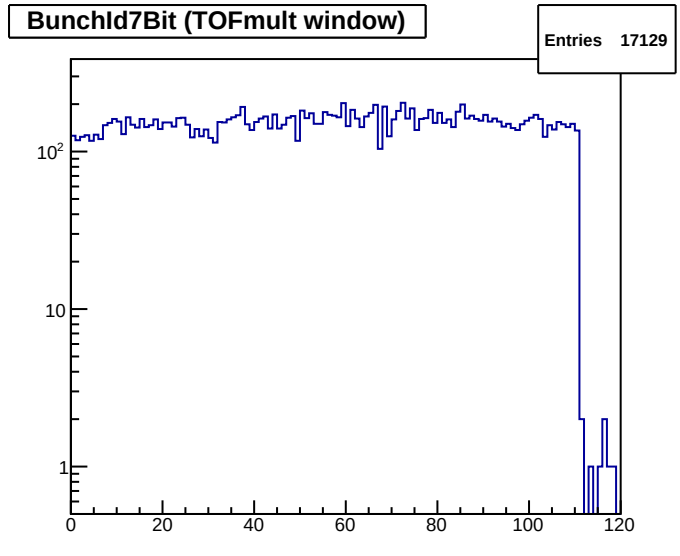

BunchId7Bit (VPD-TAC)
Entries 261255
10^3
10^2
10
0 20 40 60 80 100 120

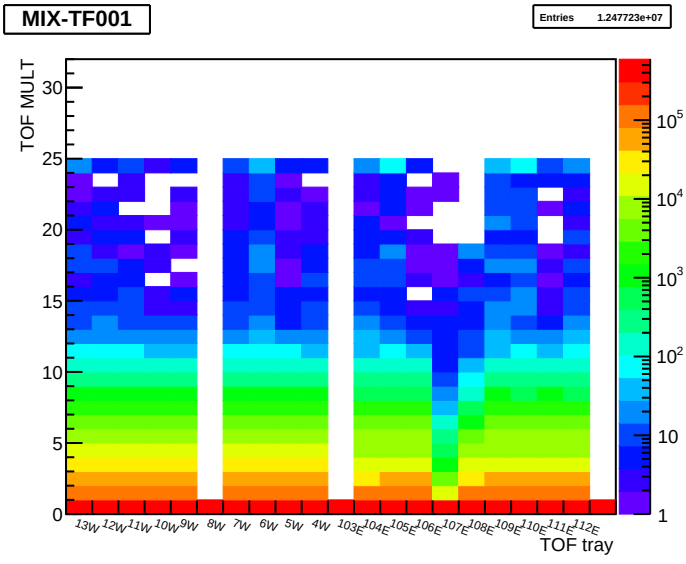

BunchId7Bit (ZDC-TAC)
Entries 1083
10
1
0 20 40 60 80 100 120

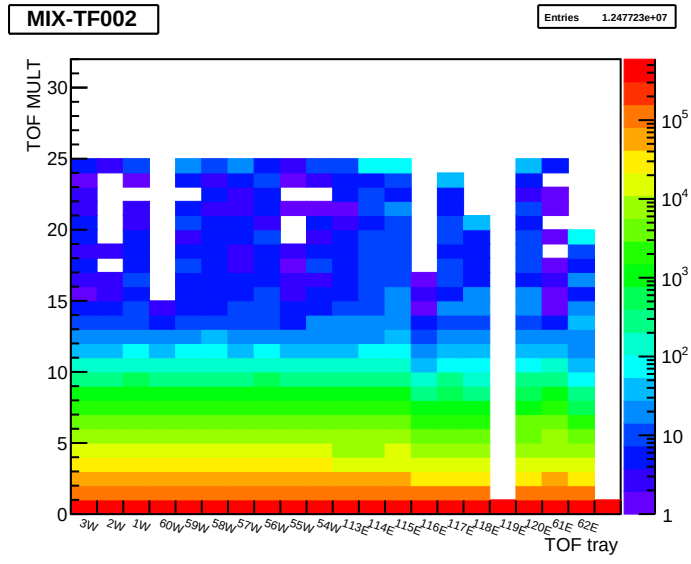

BunchId7Bit (EPD-TAC)
Entries 451239
10^3
10^2
10
0 20 40 60 80 100 120

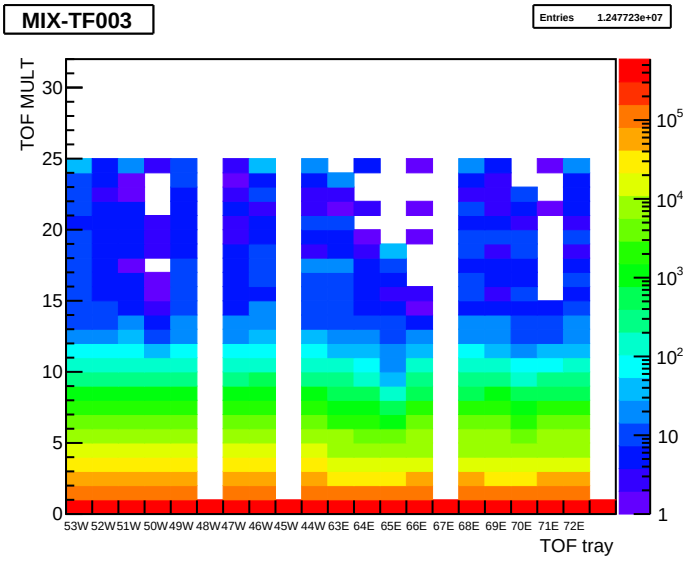

BunchId7Bit (BBC-TAC)
Entries 174176
10^3
10^2
10
1
0 20 40 60 80 100 120

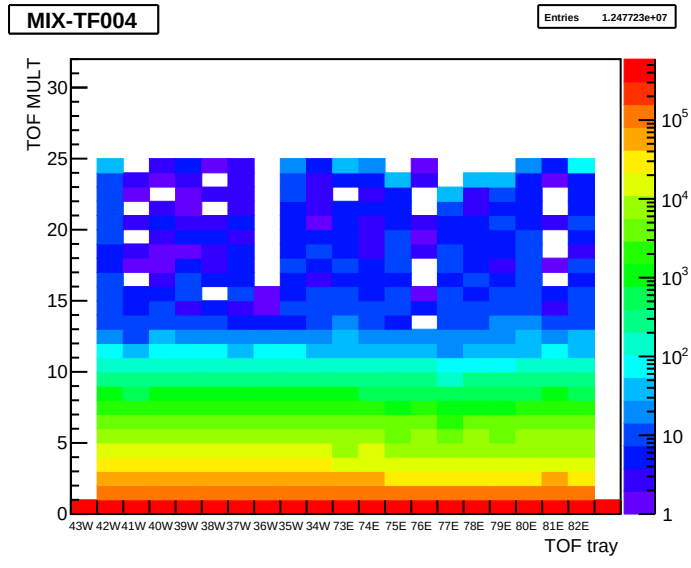

BunchId7Bit (Laser)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

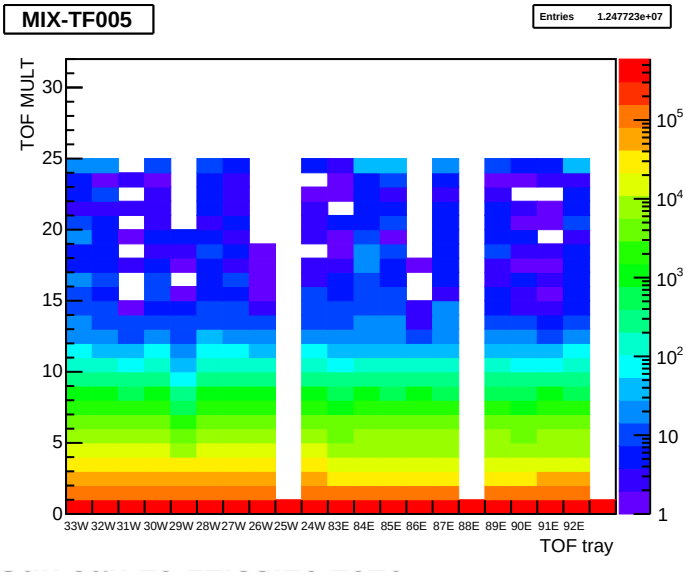

BunchId7Bit (TOFmult window)
Entries 17129
10^2
10
1
0 20 40 60 80 100 120

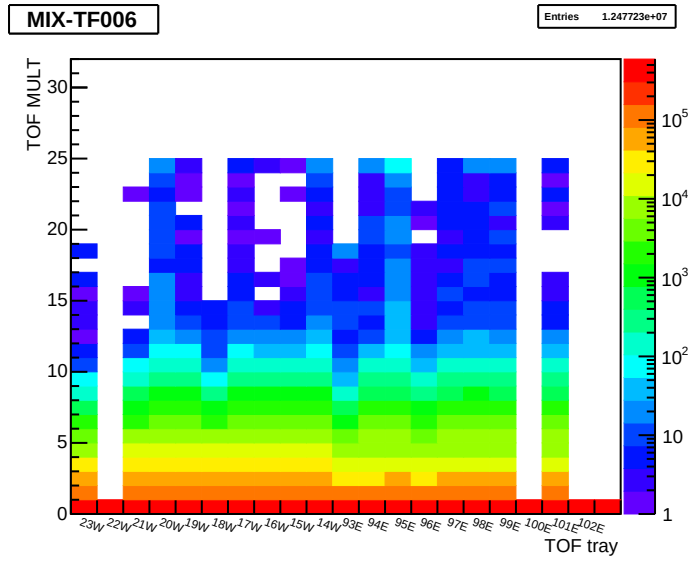

MIX-TF001
Entries 1.247723e+07
TOF MULT
TOF tray

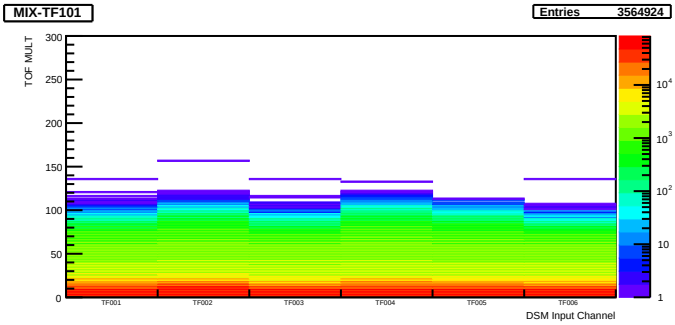

MIX-TF002
Entries 1.247723e+07
TOF MULT
TOF tray

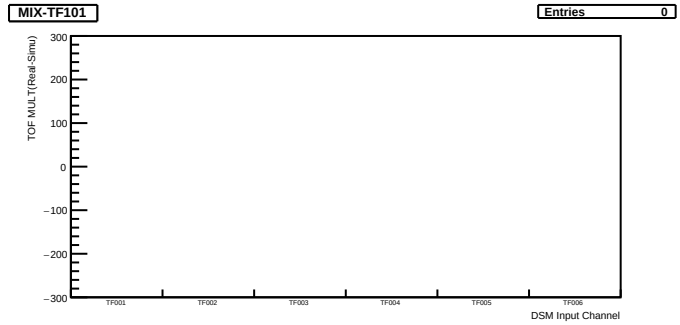

MIX-TF003
Entries 1.247723e+07
TOF MULT
TOF tray

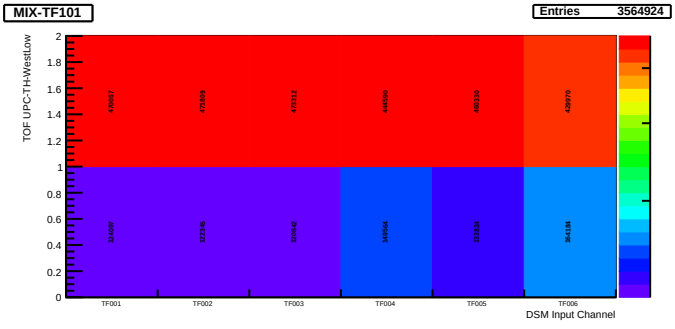

MIX-TF004
Entries 1.247723e+07
TOF MULT
TOF tray

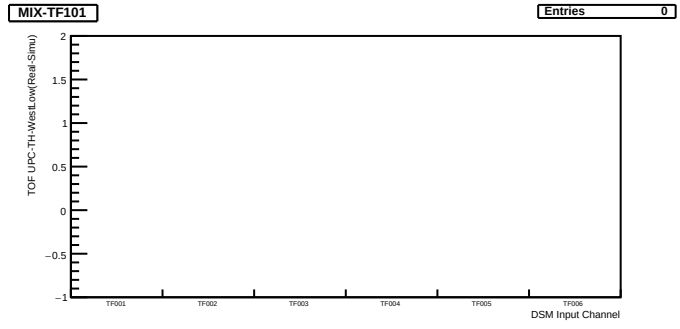

MIX-TF005
Entries 1.247723e+07
TOF MULT
TOF tray

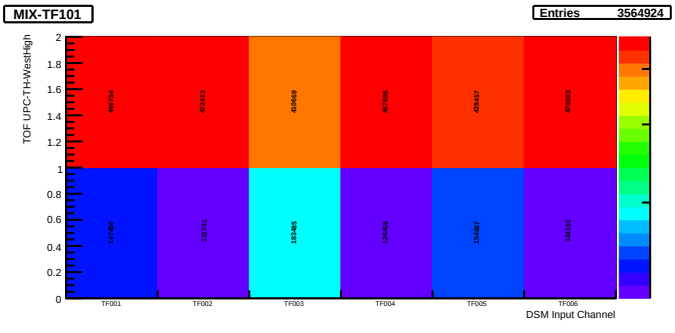

MIX-TF006
Entries 1.247723e+07
TOF MULT
TOF tray

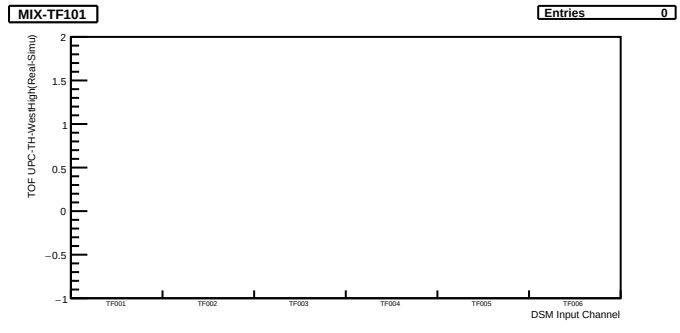

MIX-TF101
Entries 3564924
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

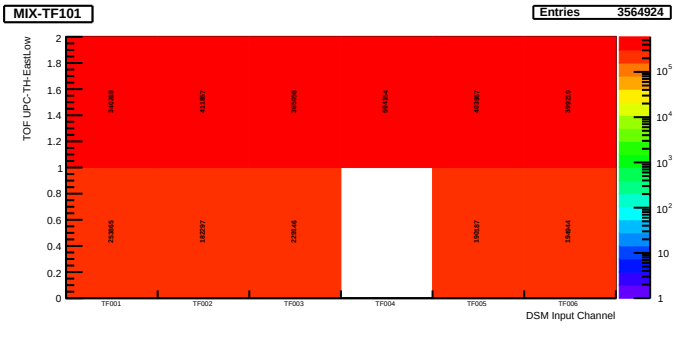

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

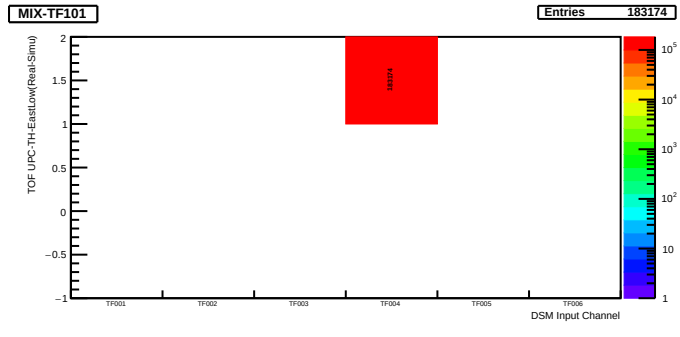

MIX-TF101
Entries 3564924
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

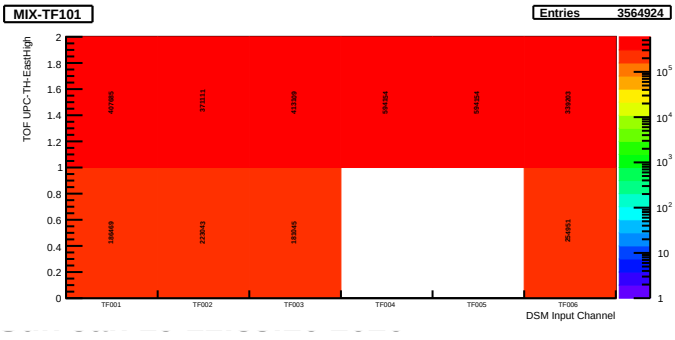

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

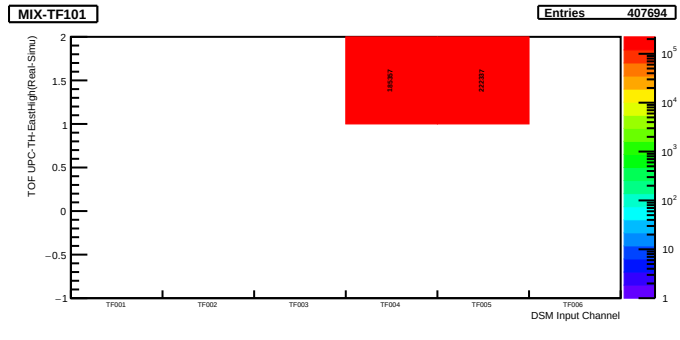

MIX-TF101
Entries 3564924
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

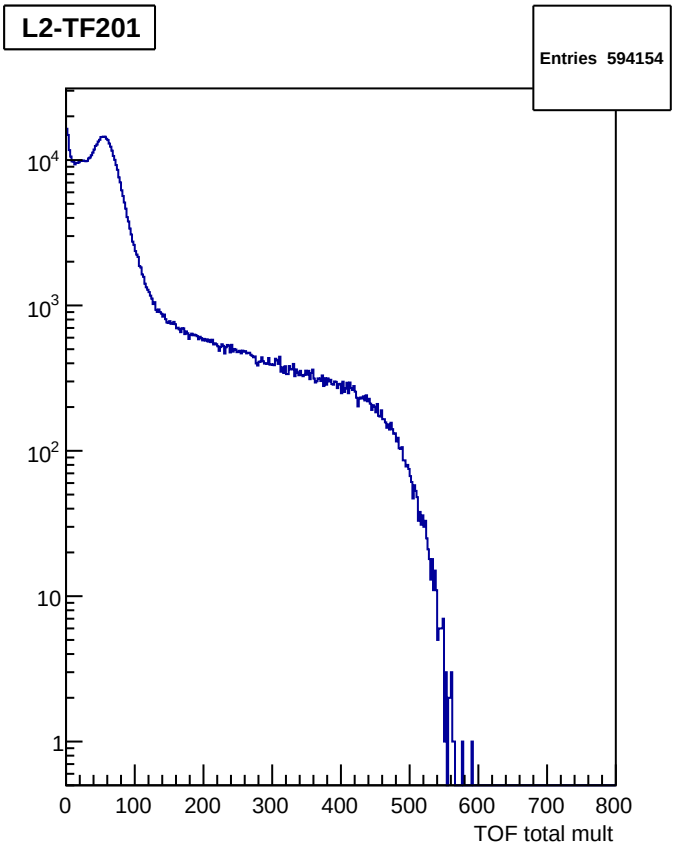

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

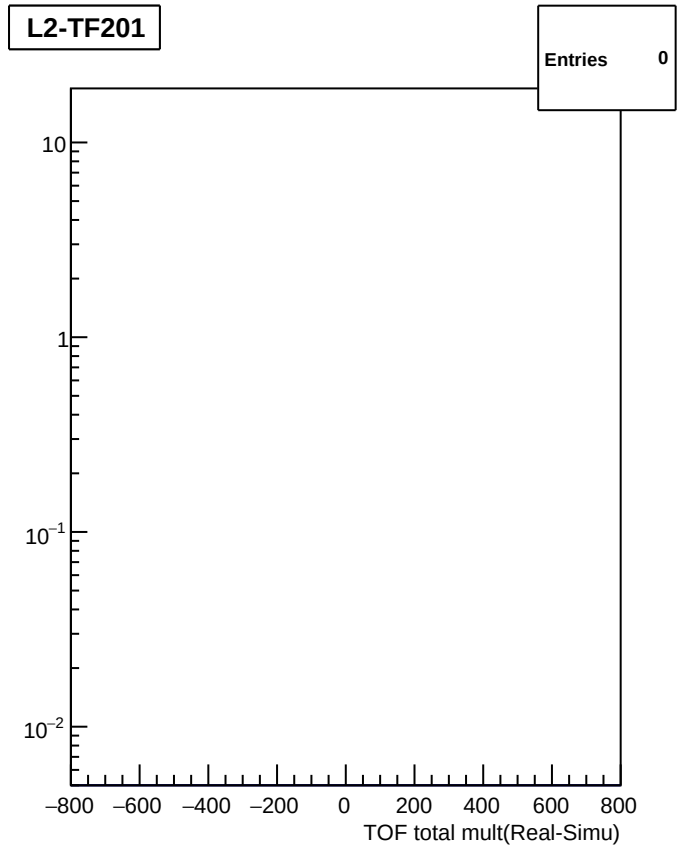

MIX-TF101
Entries 3564924
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

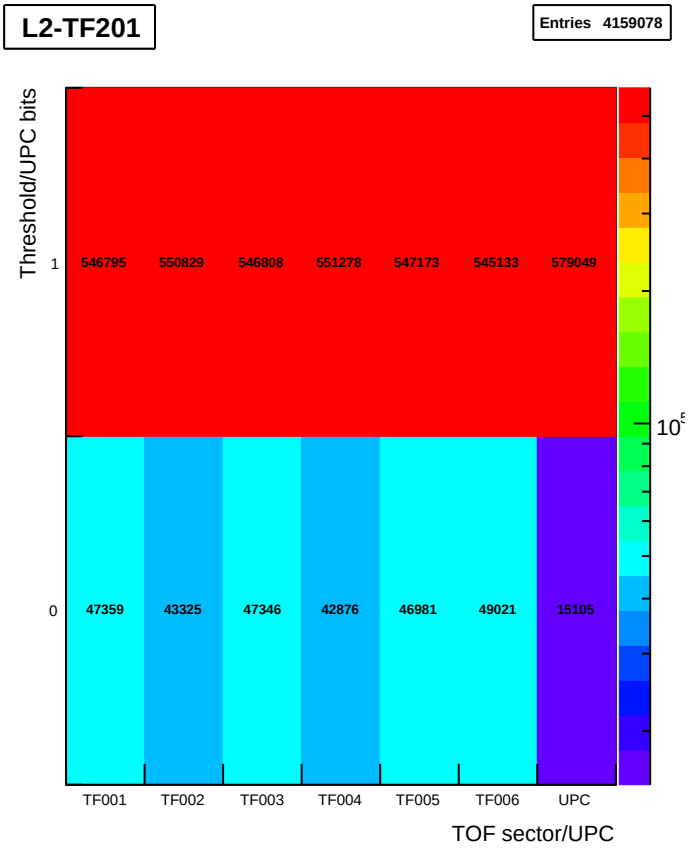

MIX-TF101
Entries 183174
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

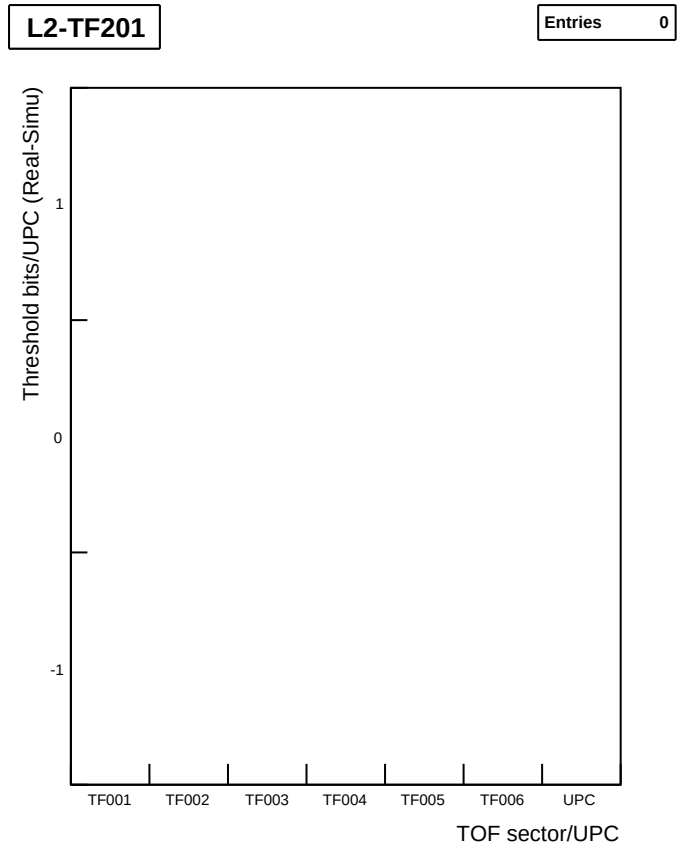

MIX-TF101
Entries 3564924
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

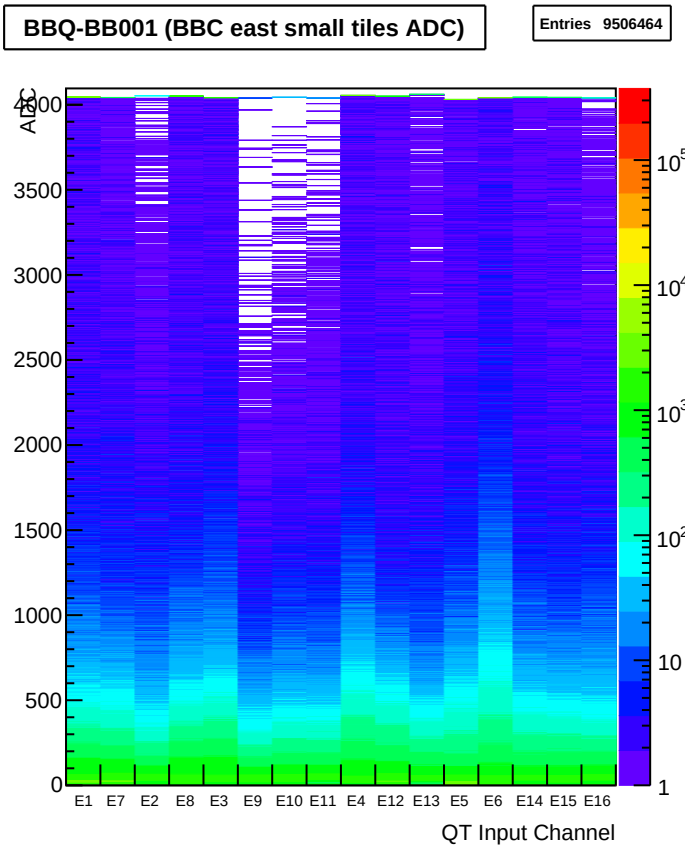

MIX-TF101
Entries 407694
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

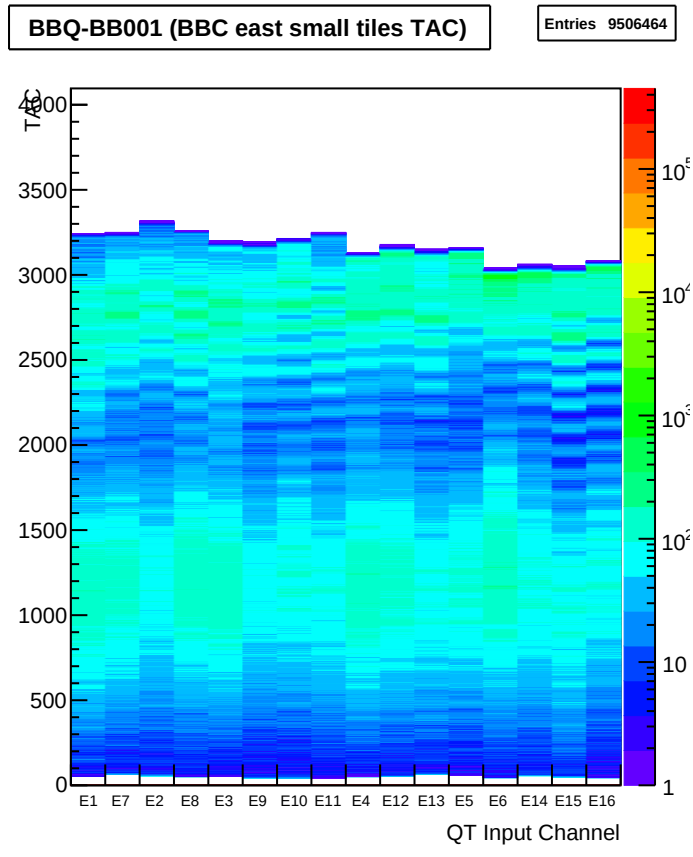

L2-TF201
Entries 594154
TOF total mult

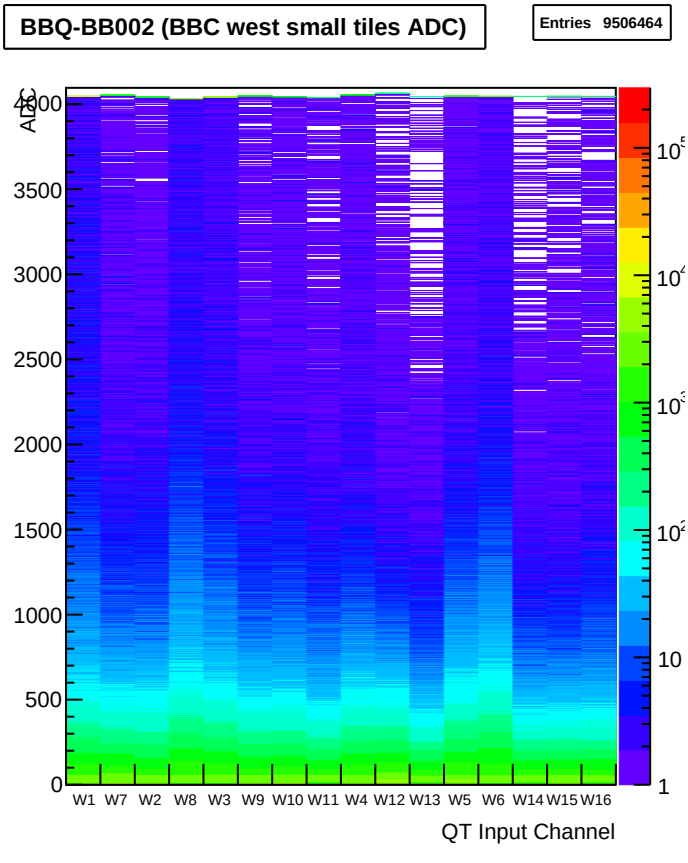

L2-TF201
Entries 0
TOF total mult(Real-Simu)

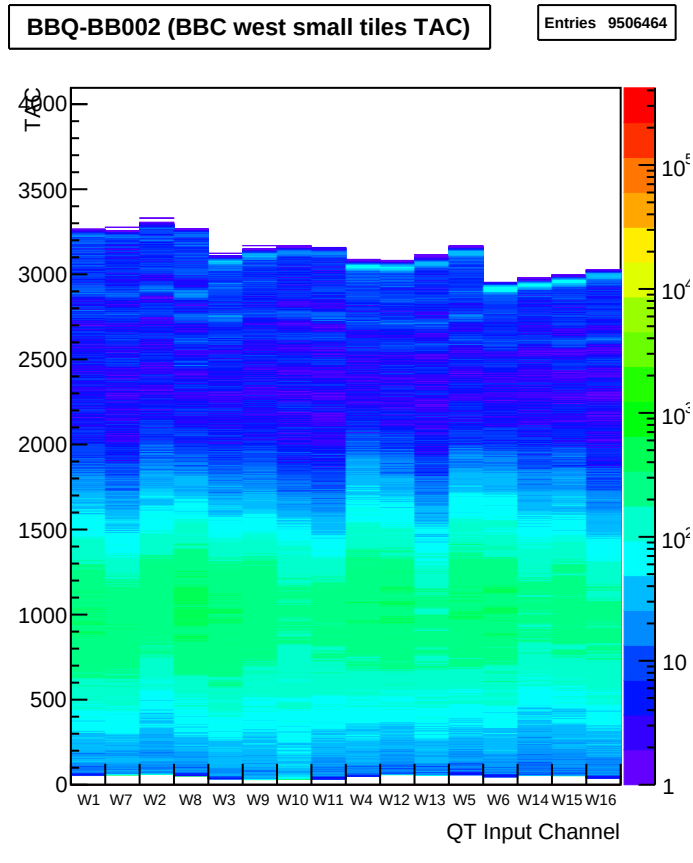

L2-TF201
Entries 4159078
Threshold/UPC bits
546795
550829
546808
551278
547173
545133
579049
47359
43325
47346
42876
46981
49021
15105
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

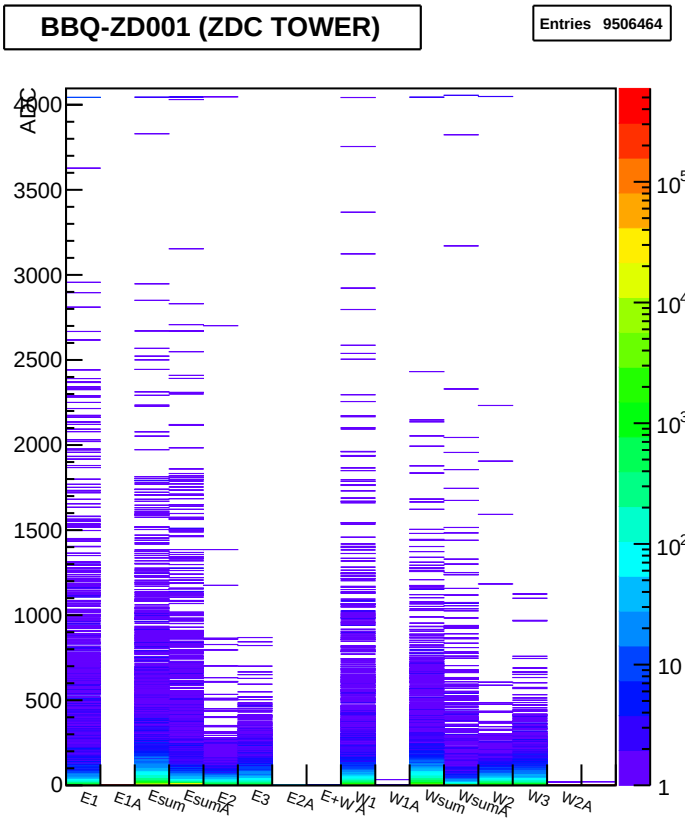

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

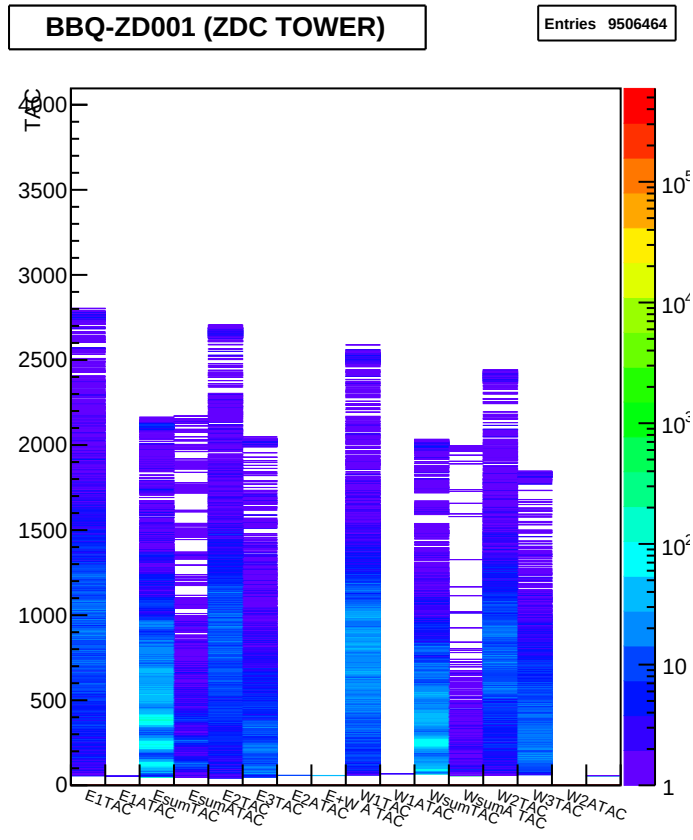

BBQ-BB001 (BBC east small tiles ADC)
Entries 9506464
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

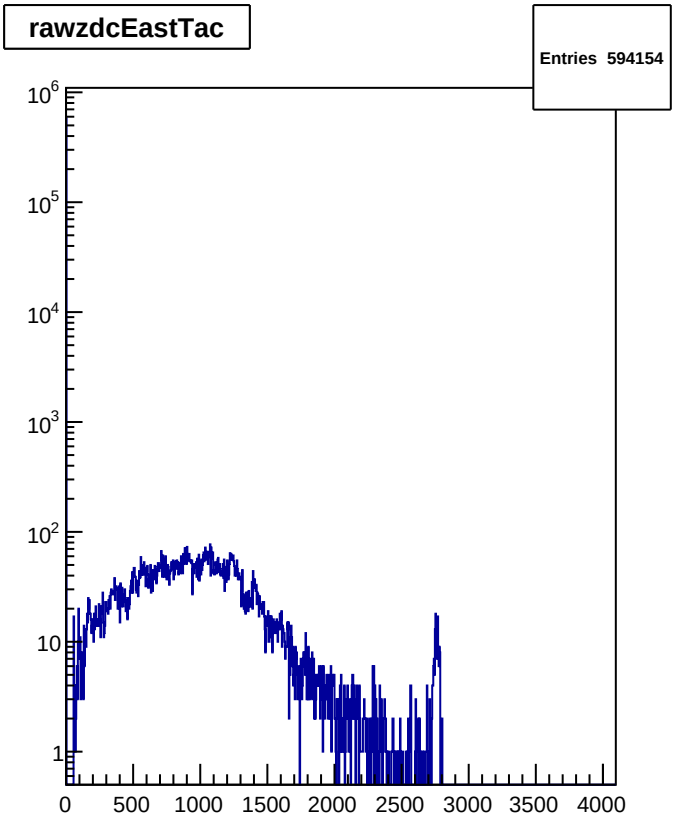

BBQ-BB001 (BBC east small tiles TAC)
Entries 9506464
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

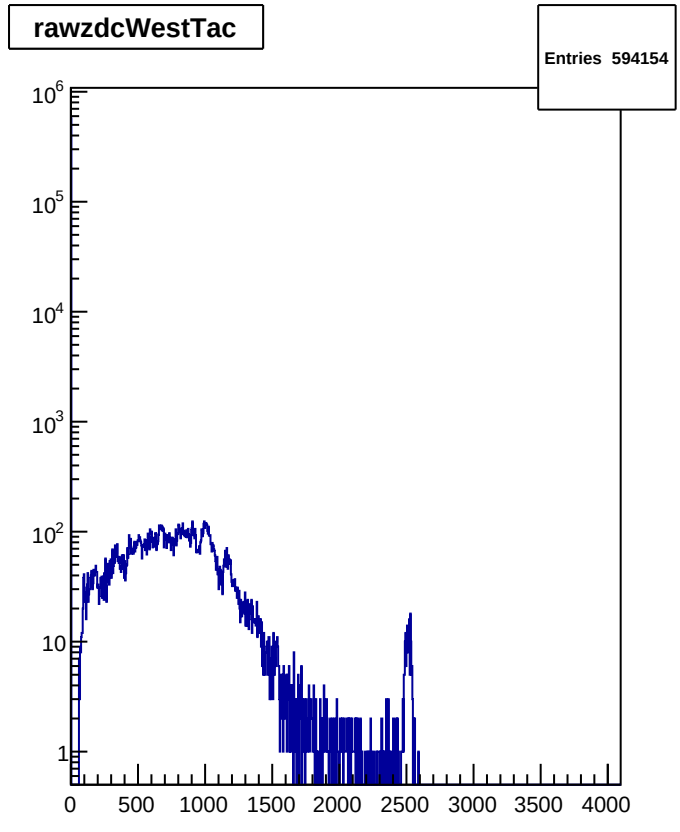

BBQ-BB002 (BBC west small tiles ADC)
Entries 9506464
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

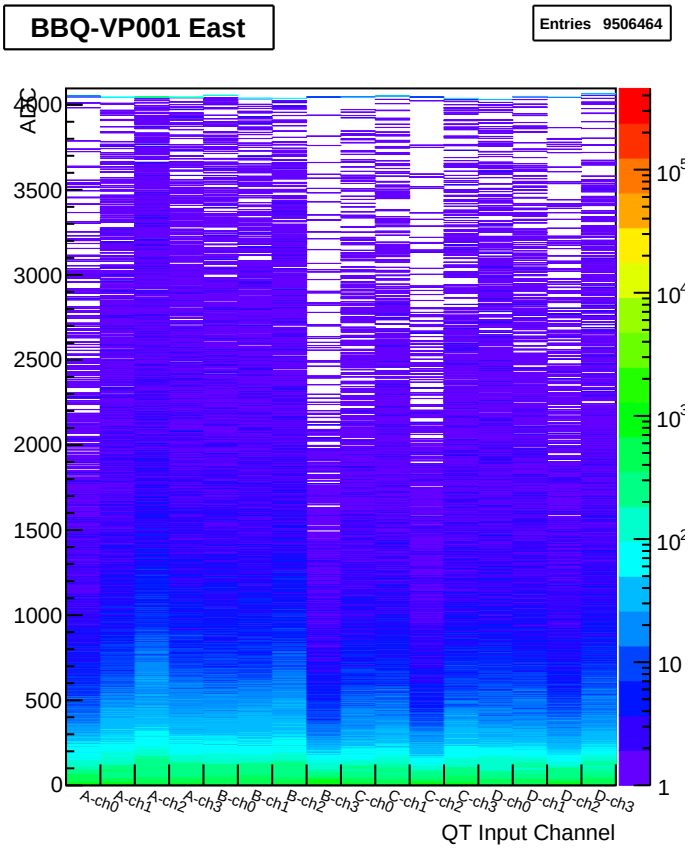

BBQ-BB002 (BBC west small tiles TAC)
Entries 9506464
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

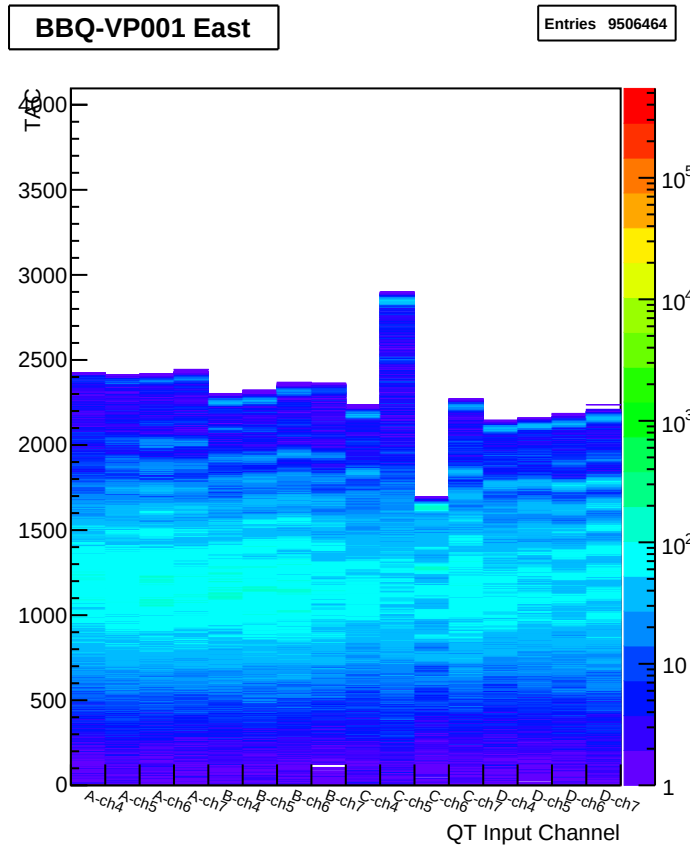

BBQ-ZD001 (ZDC TOWER)
Entries 9506464
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

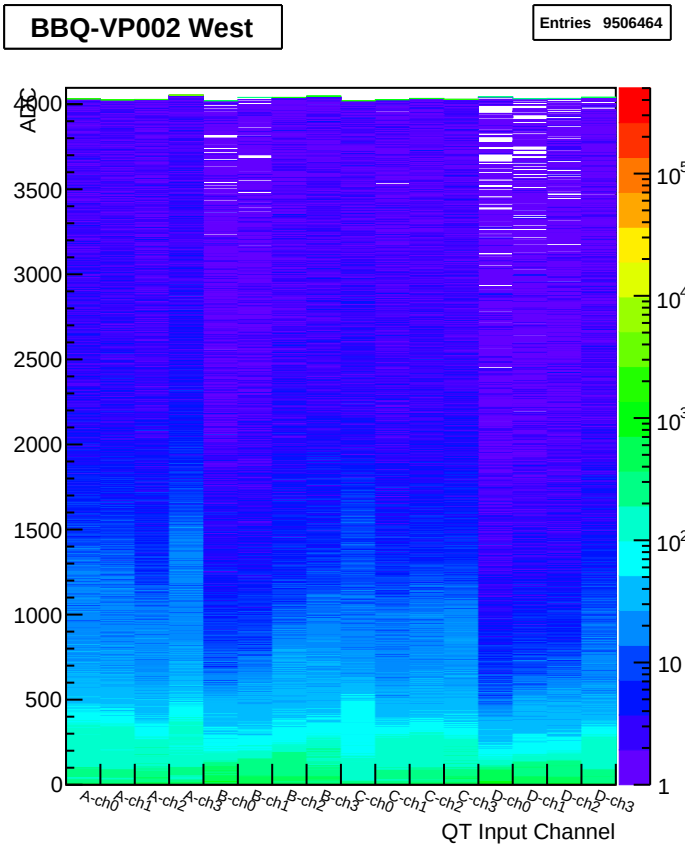

BBQ-ZD001 (ZDC TOWER)
Entries 9506464
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

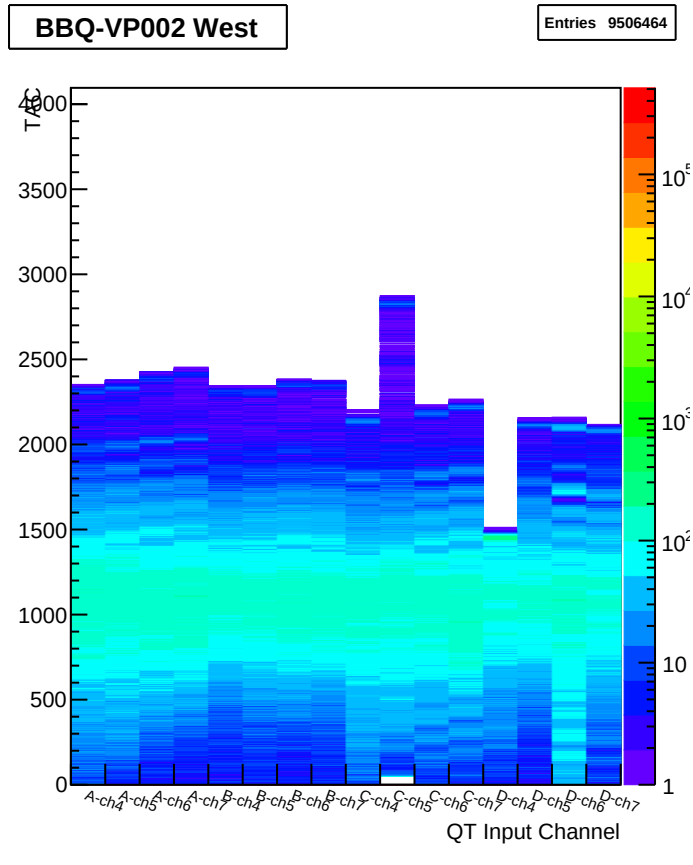

rawzdcEastTac
Entries 594154

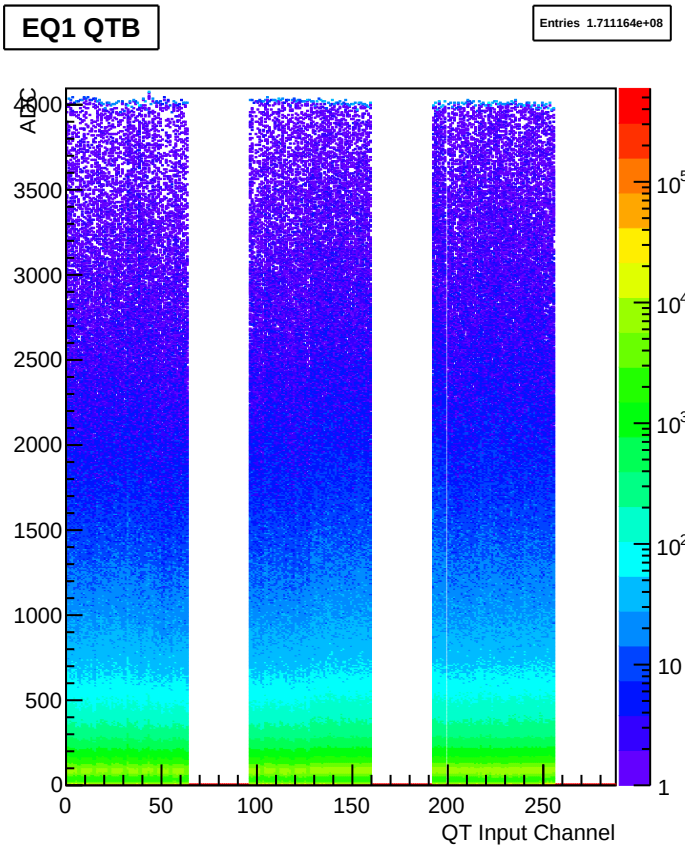

rawzdcWestTac
Entries 594154

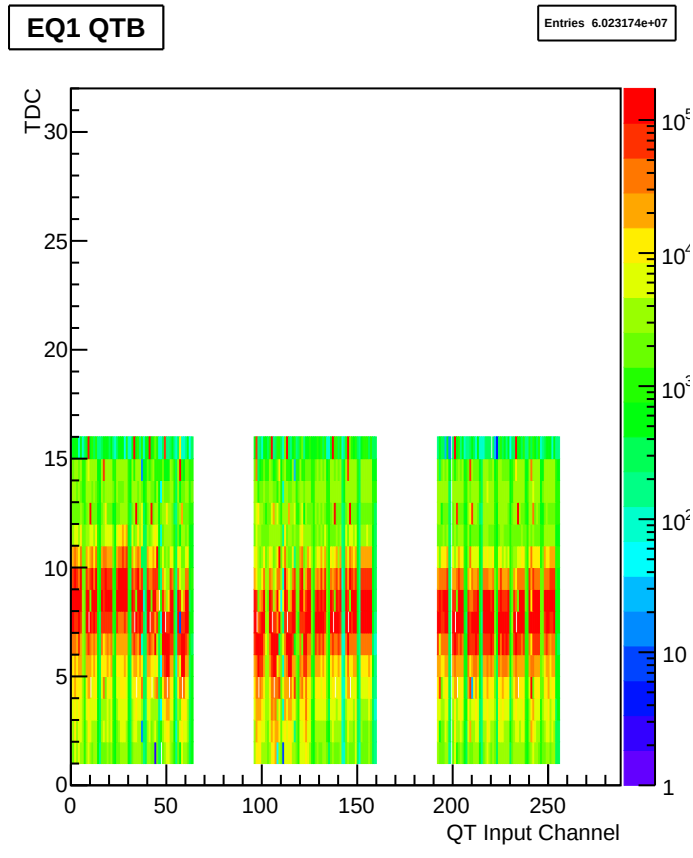

BBQ-VP001 East
Entries 9506464
ADC
QT Input Channel

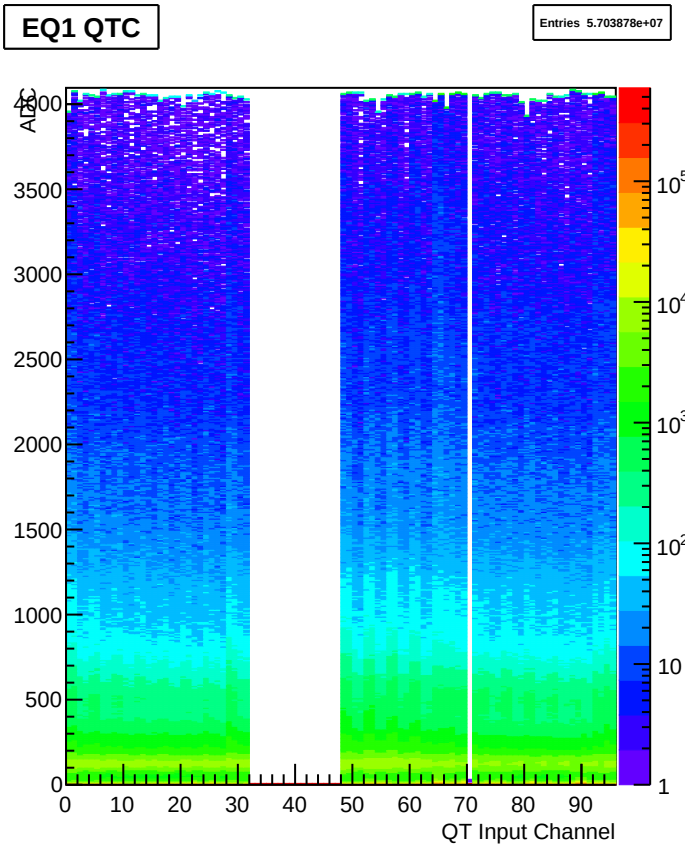

BBQ-VP001 East
Entries 9506464
TADC
QT Input Channel

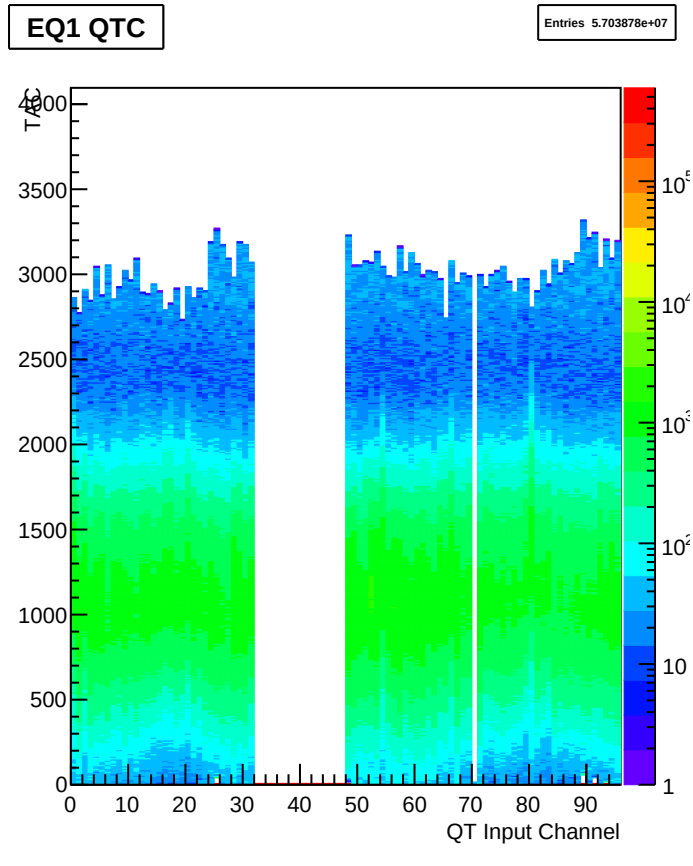

BBQ-VP002 West
Entries 9506464
ADC
QT Input Channel

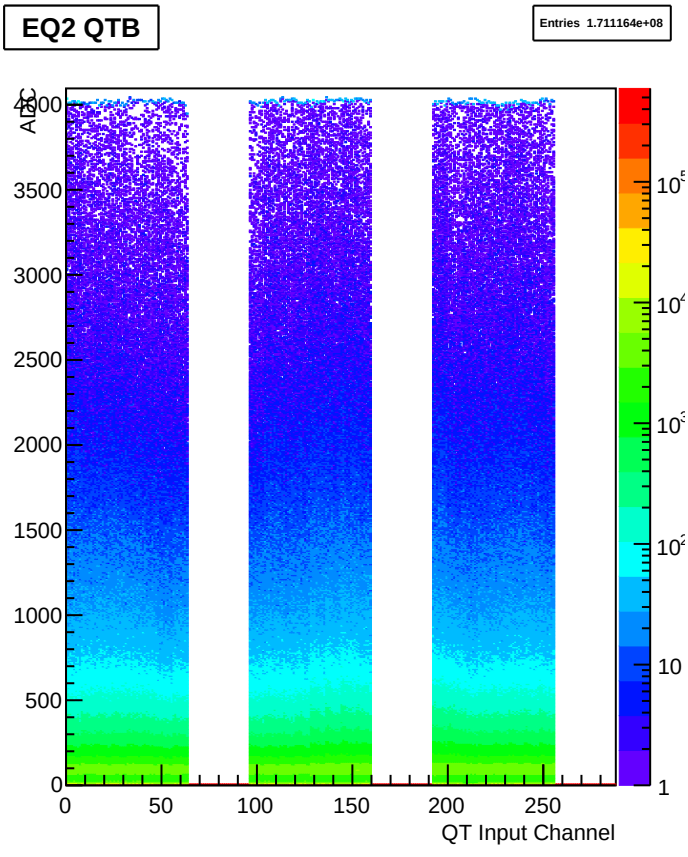

BBQ-VP002 West
Entries 9506464
TADC
QT Input Channel

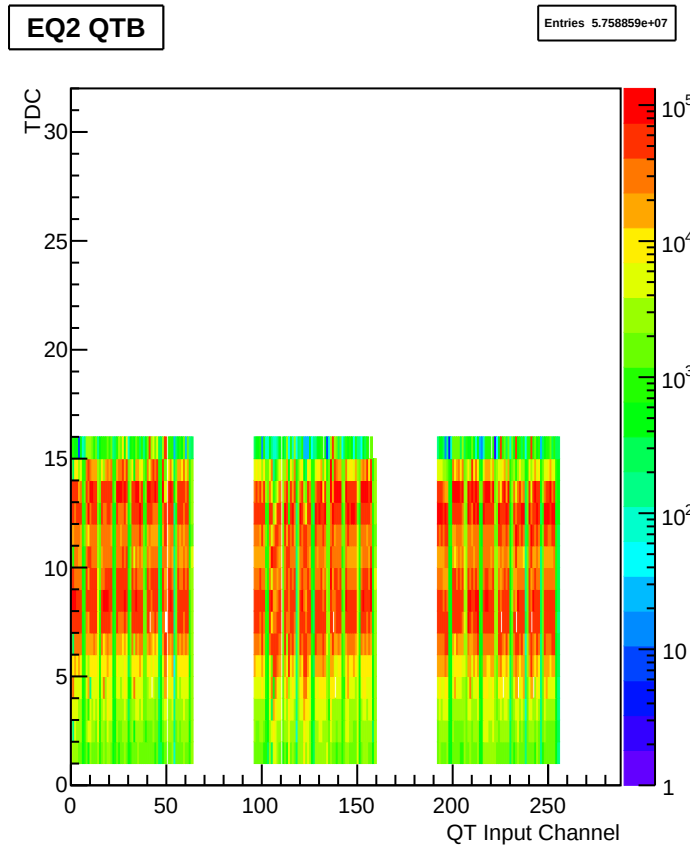

EQ1 QTB
Entries 1.711164e+08
ADC
QT Input Channel

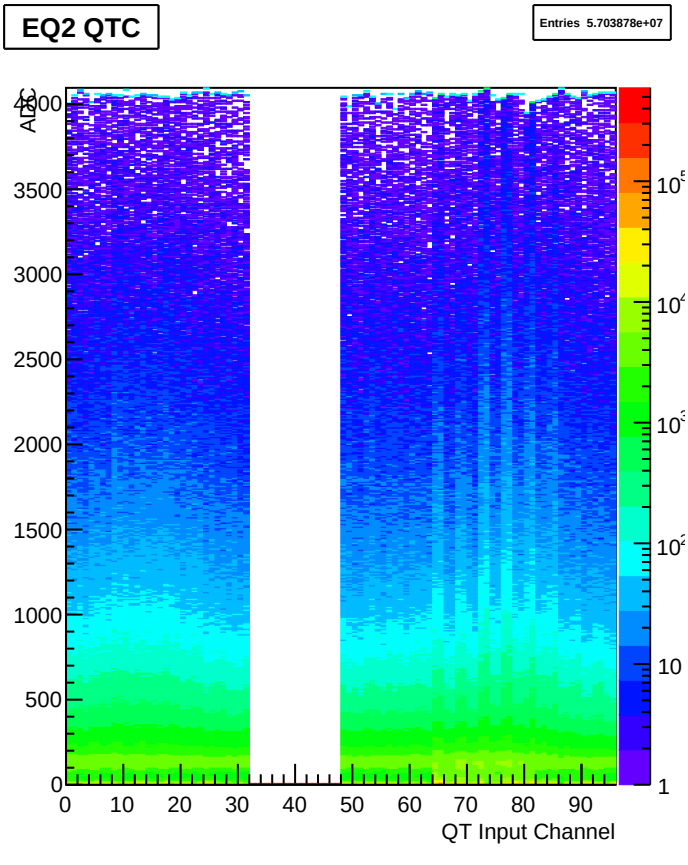

EQ1 QTB
Entries 6.023174e+07
TDC
QT Input Channel

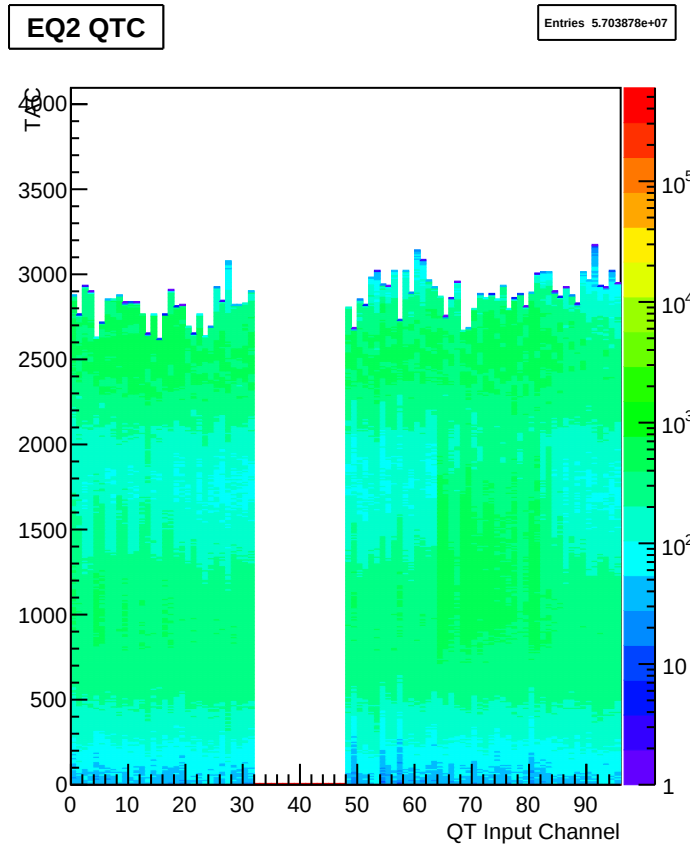

EQ1 QTC
Entries 5.703878e+07
ADC
QT Input Channel

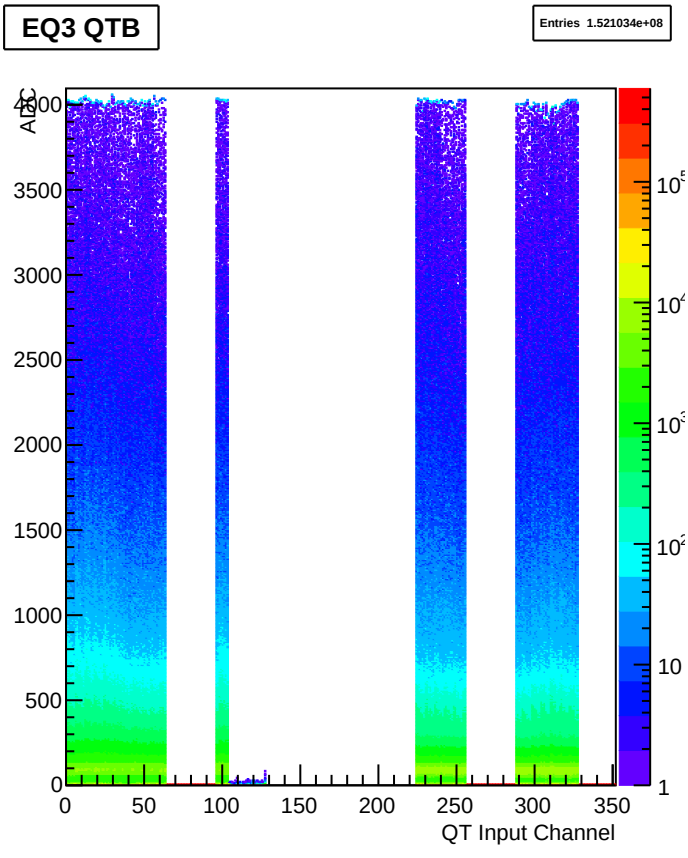

EQ1 QTC
Entries 5.703878e+07
TADC
QT Input Channel

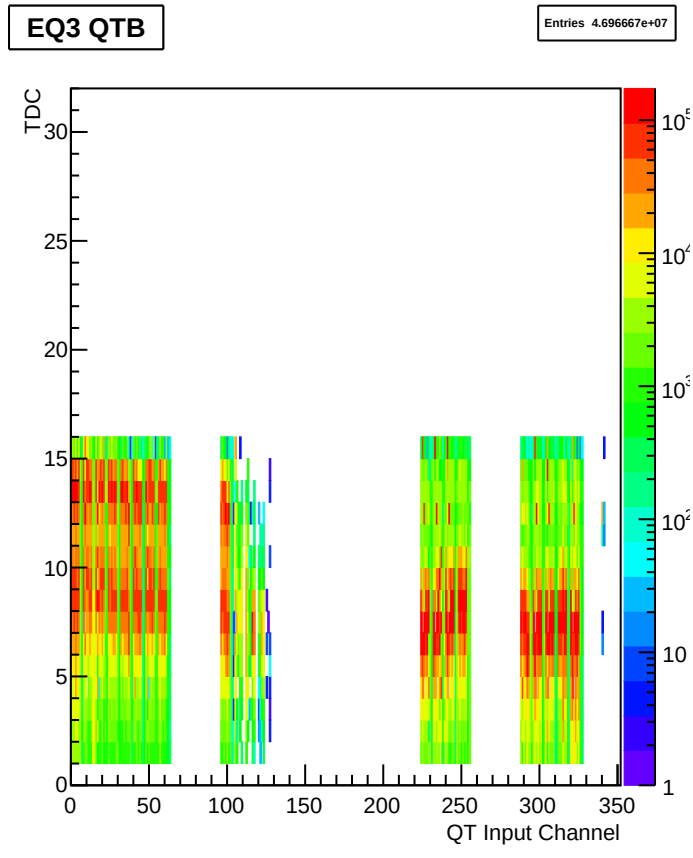

EQ2 QTB
Entries 1.711164e+08
ADC
QT Input Channel

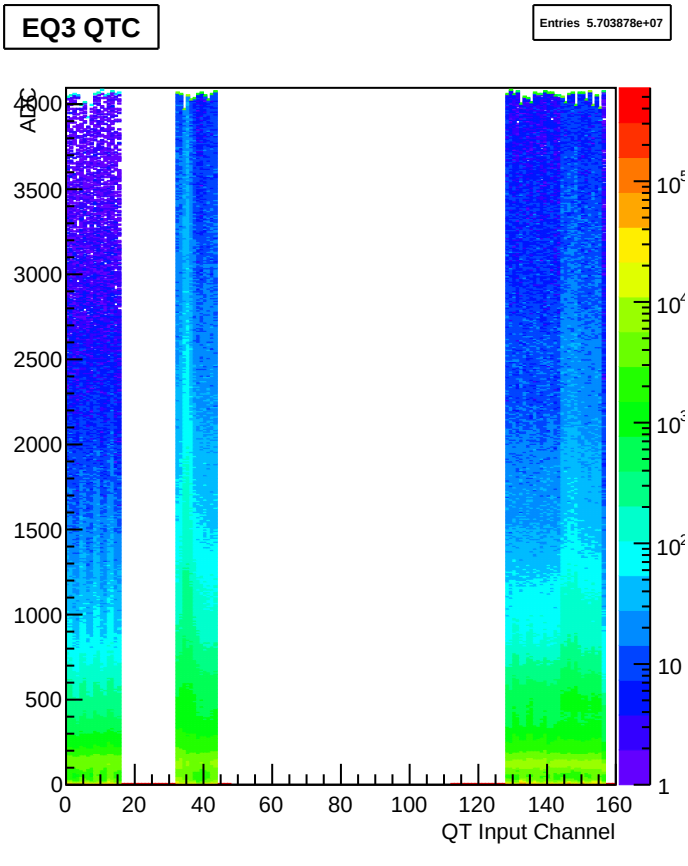

EQ2 QTB
Entries 5.758859e+07
TDC
QT Input Channel

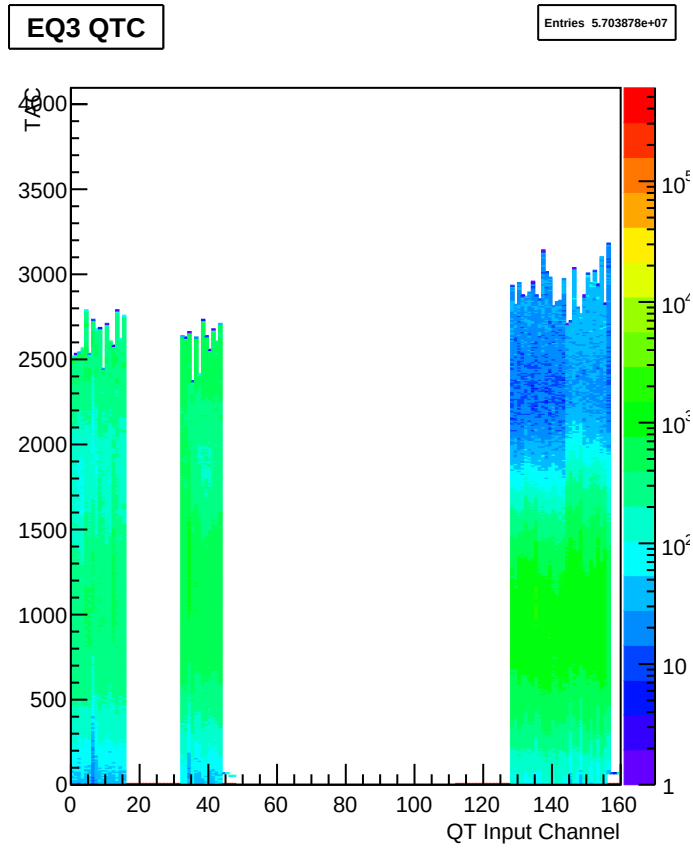

EQ2 QTC
Entries 5.703878e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.703878e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.521034e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.696667e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.703878e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.703878e+07
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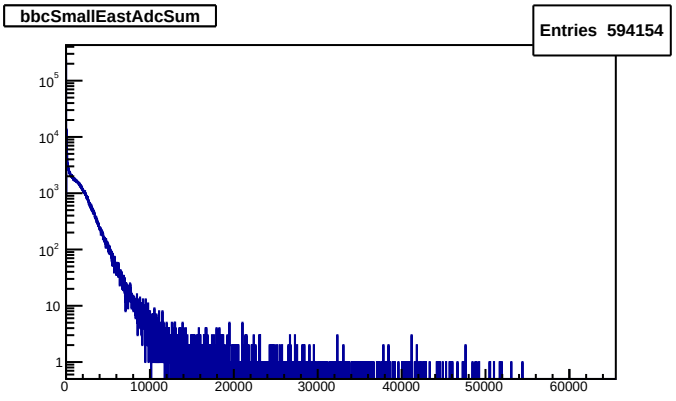
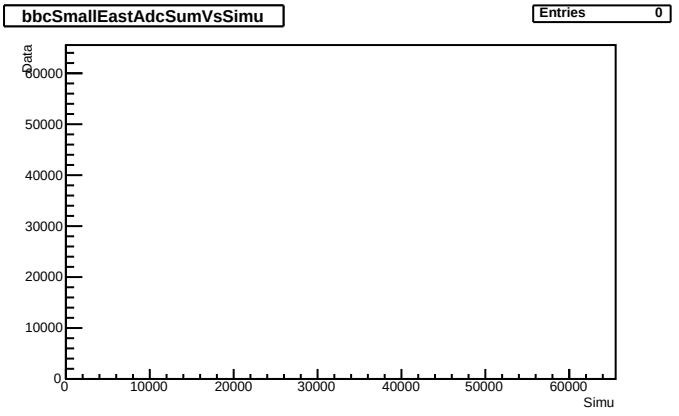
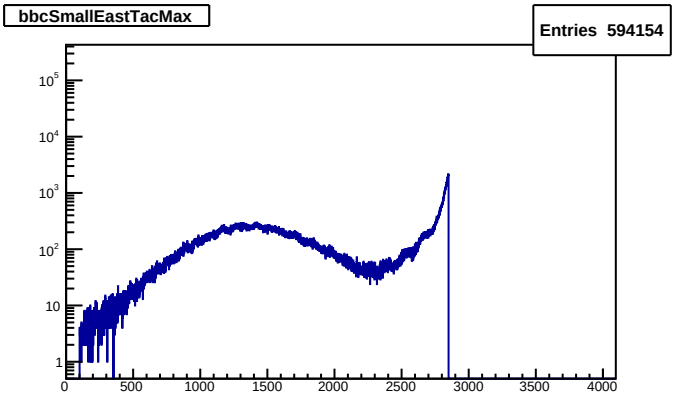
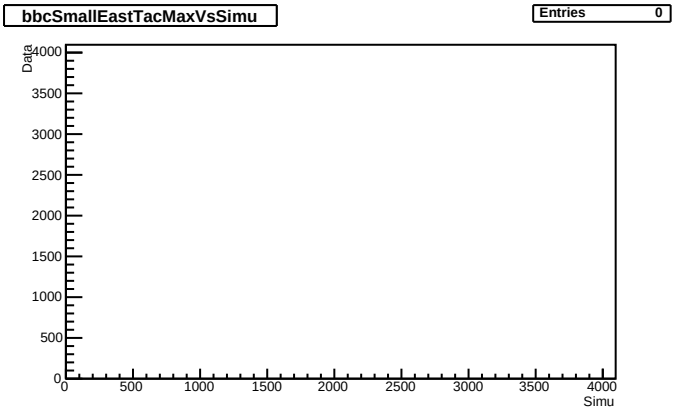
QT Input Channel


bbcSmallEastAdcSum
Entries 594154


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 594154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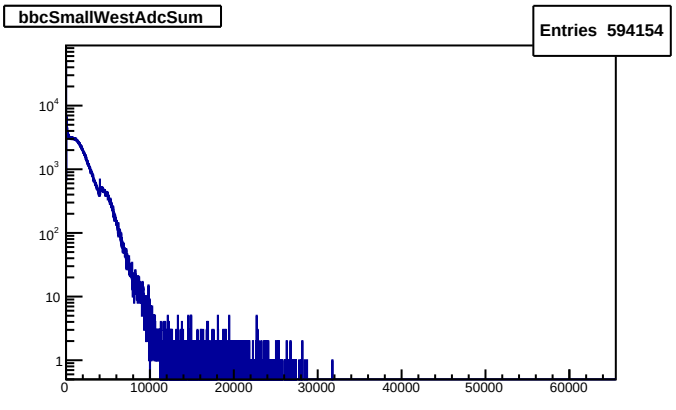
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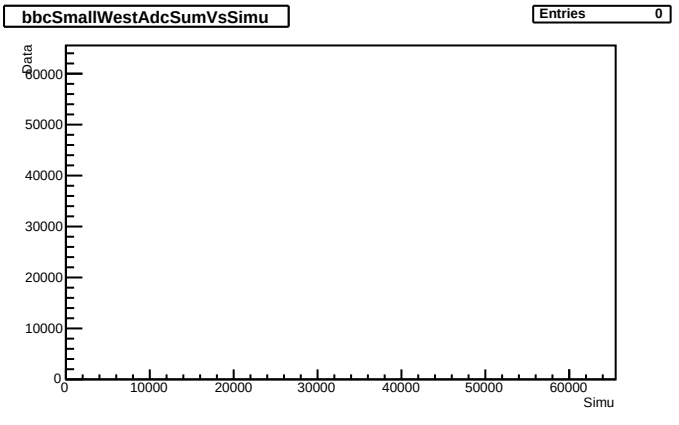
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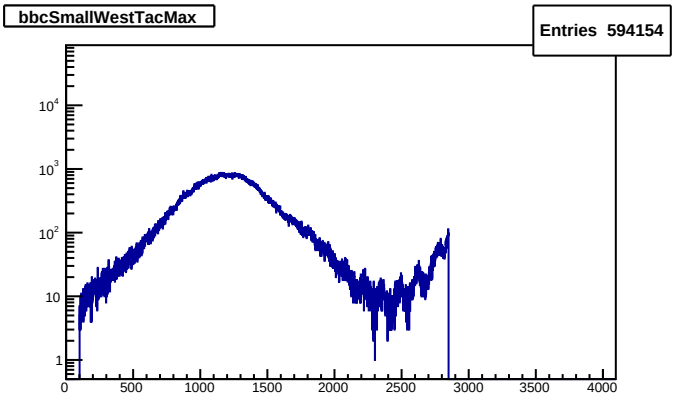
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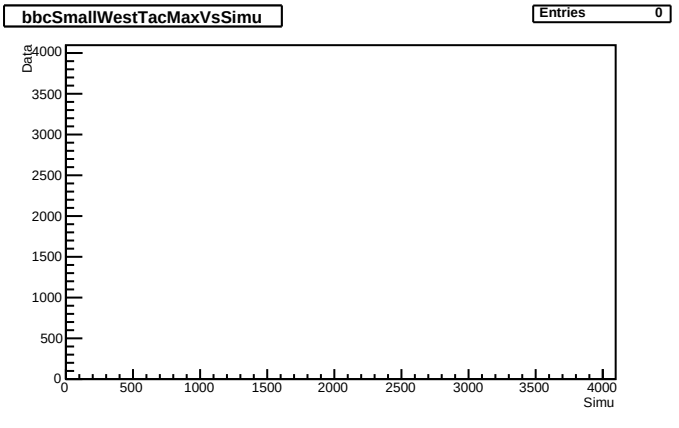
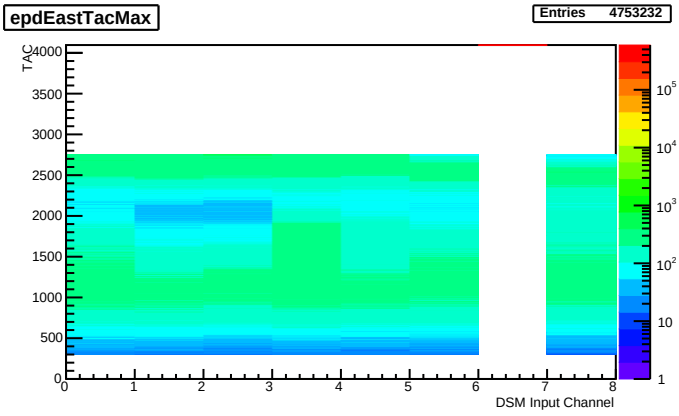
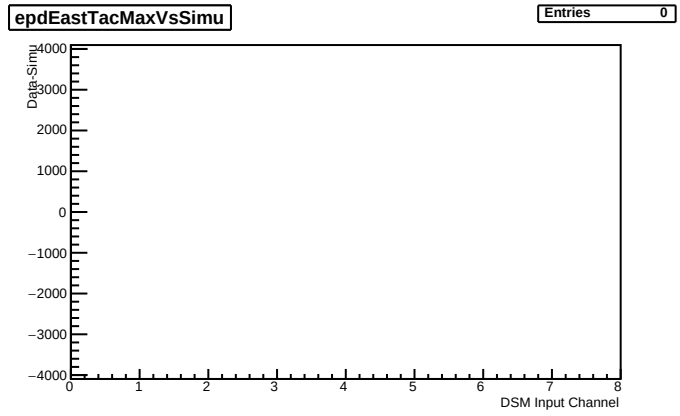
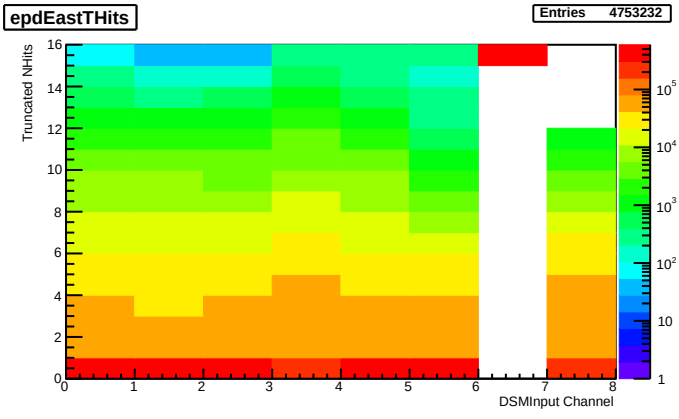
Entries 594154


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4753232
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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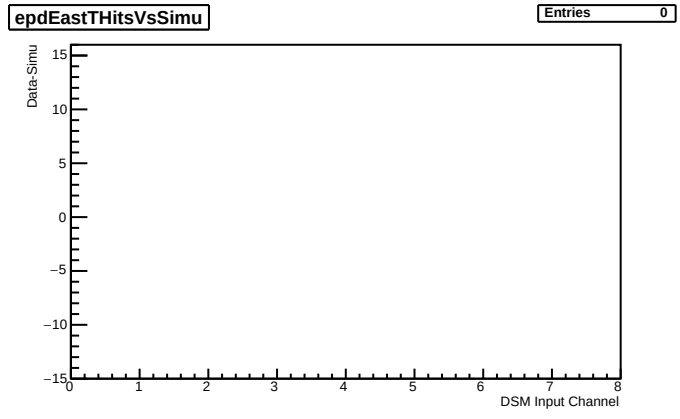
Truncated NHits
DSMInput Channel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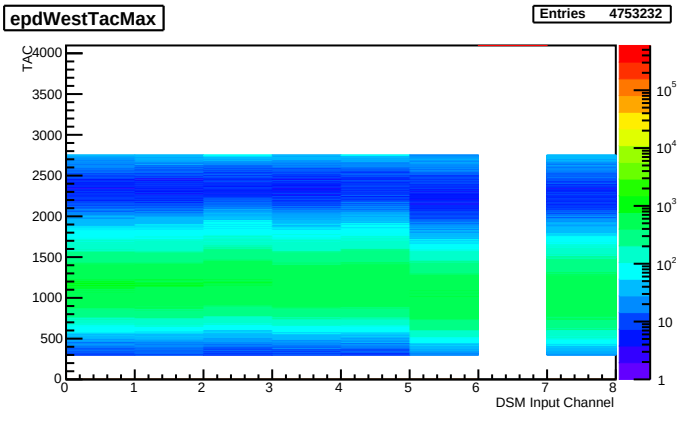
DSM Input Channel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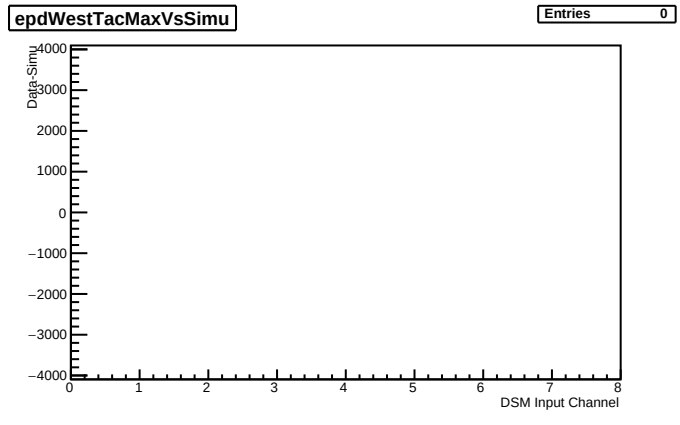
Entries 4753232
TAC
DSM Input Channel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Entries 0
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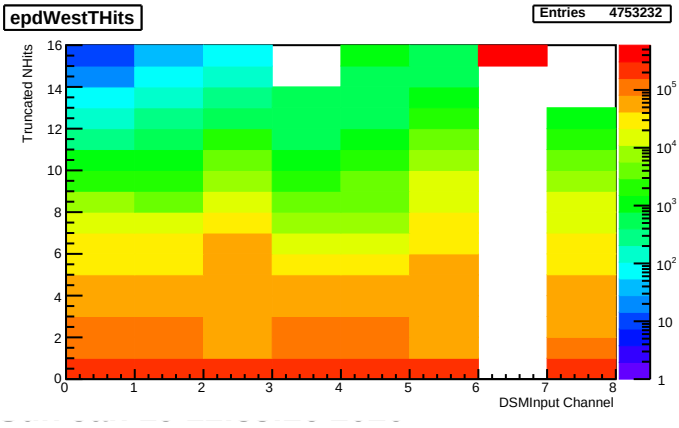
DSM Input Channel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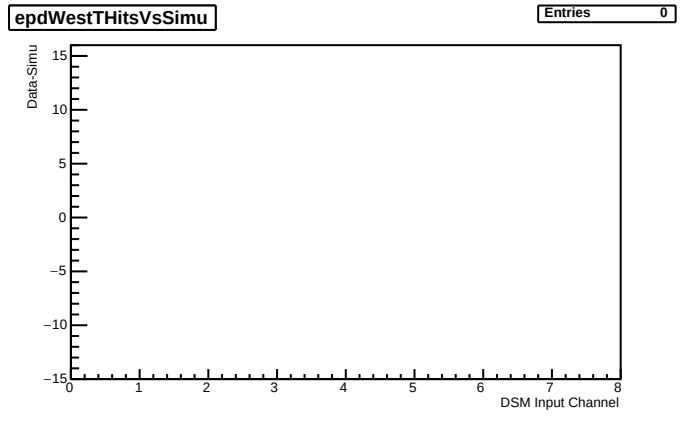
Entries 4753232
Truncated NHits
DSMInput Channel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Entries 0
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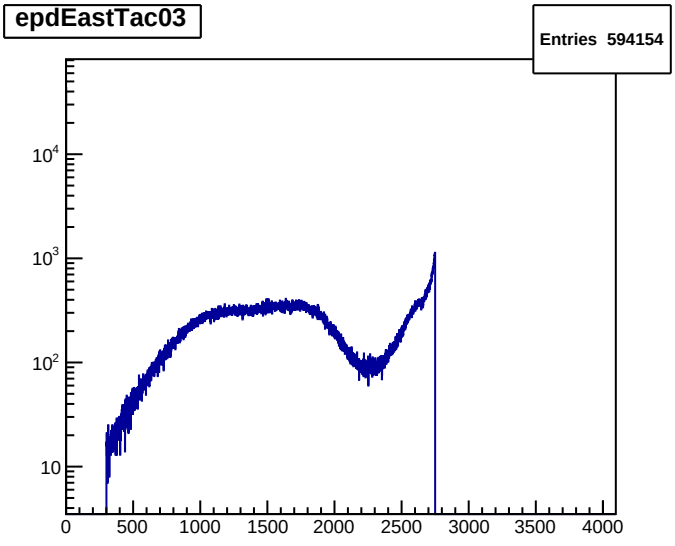
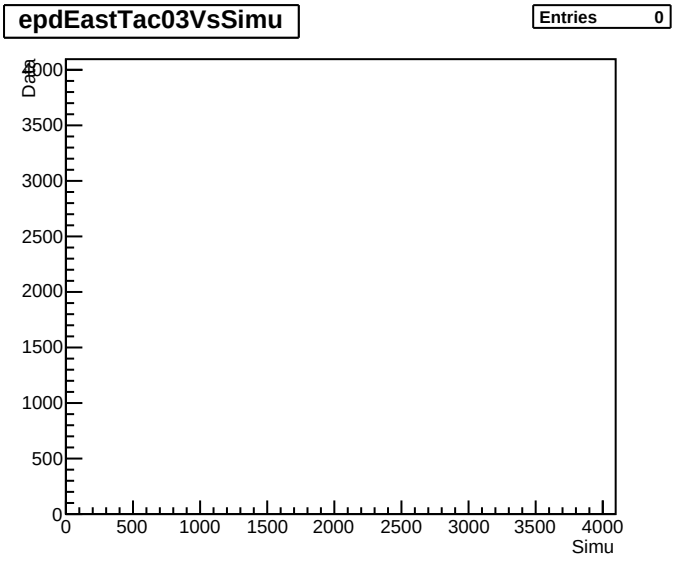
DSM Input Channel


epdEastTac03
Entries 594154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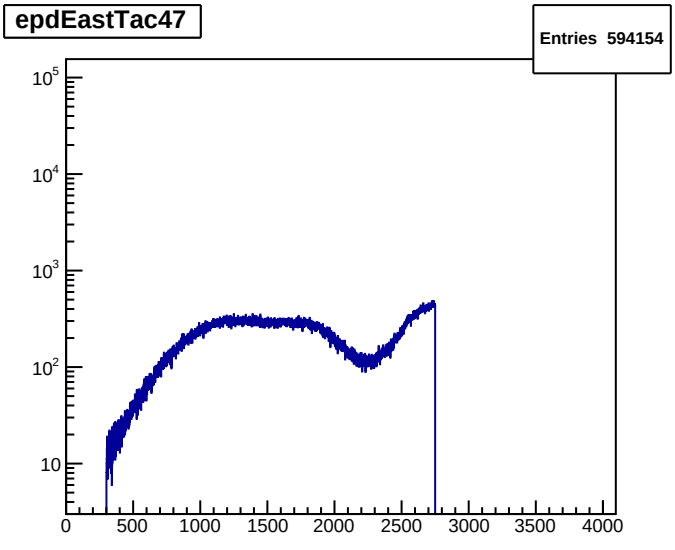
Entries 0
Data
Simu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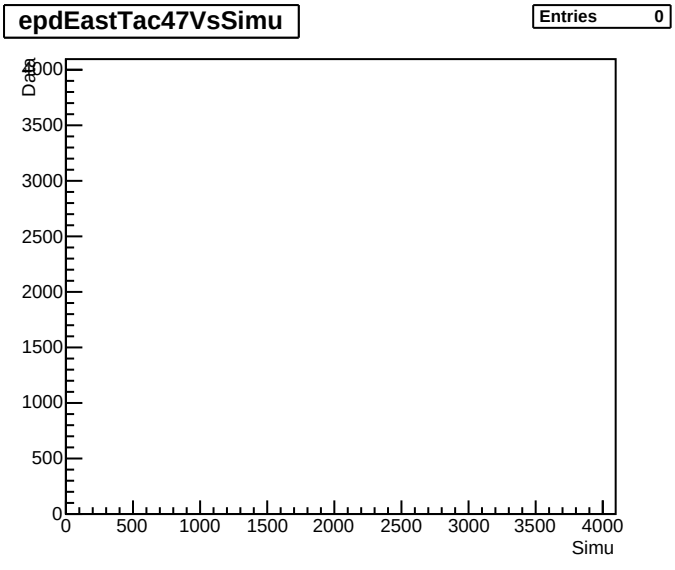
Entries 594154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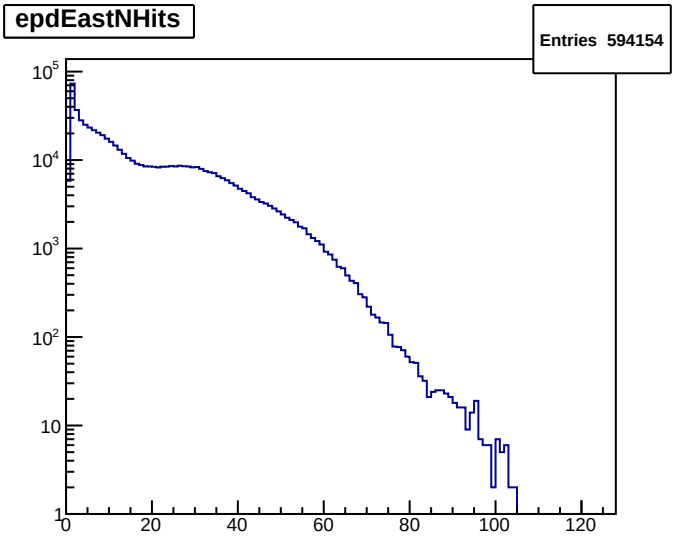
Data
Simu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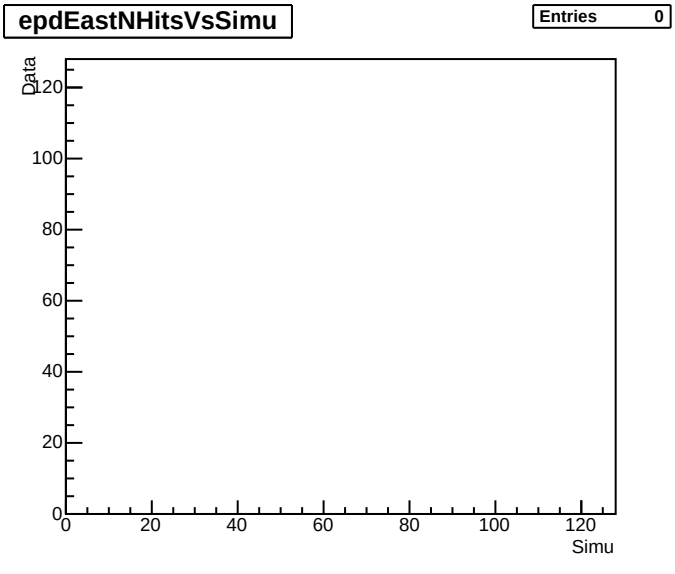
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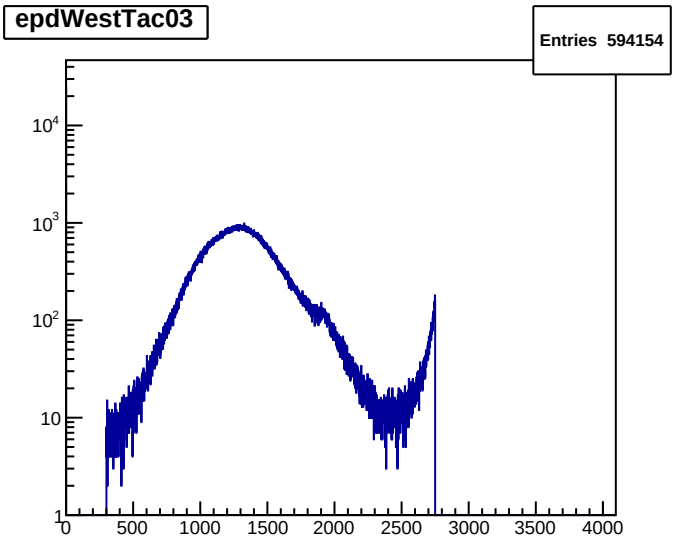
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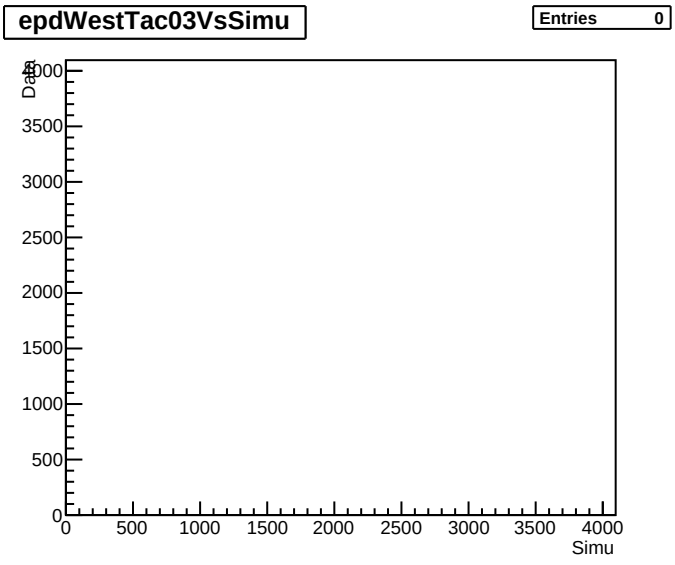
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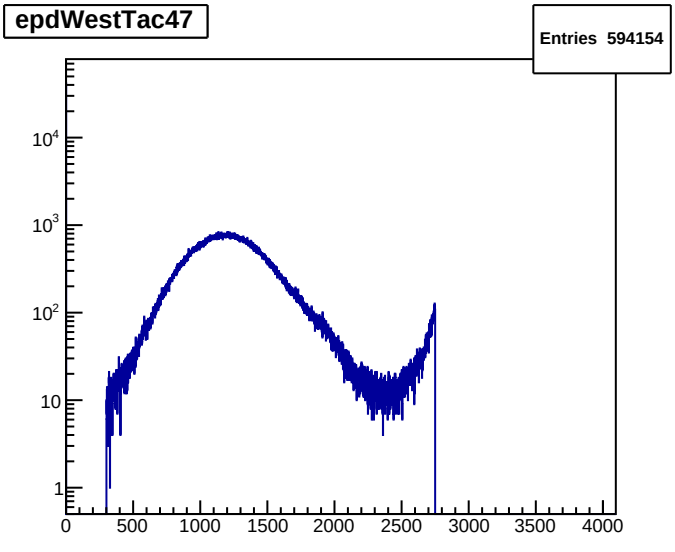
Simu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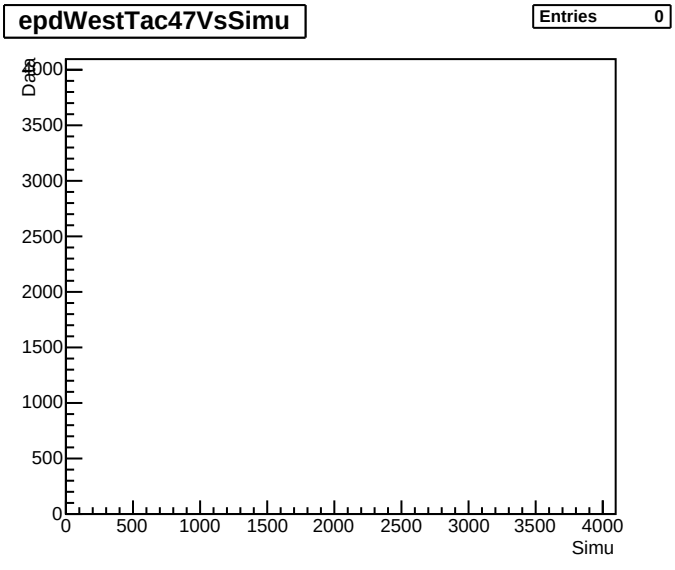
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Data
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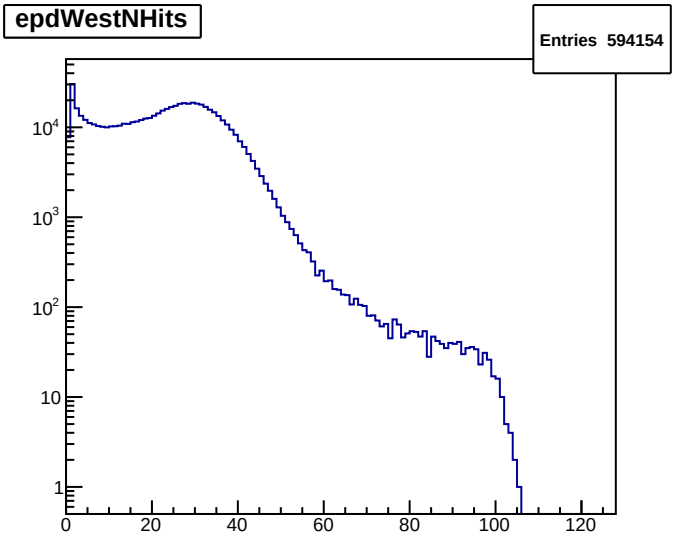
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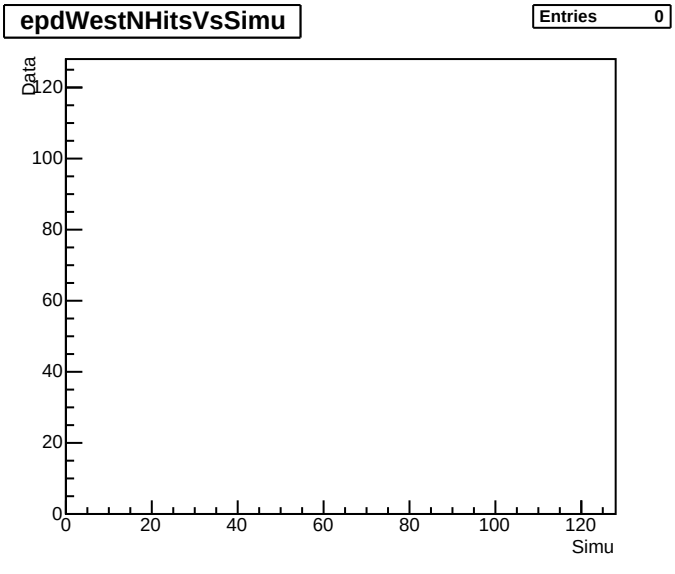
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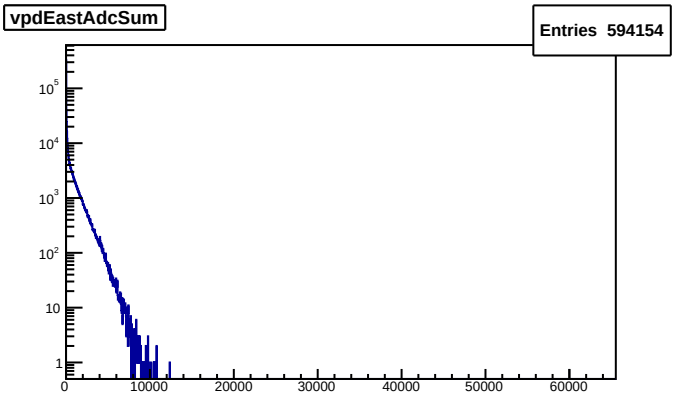
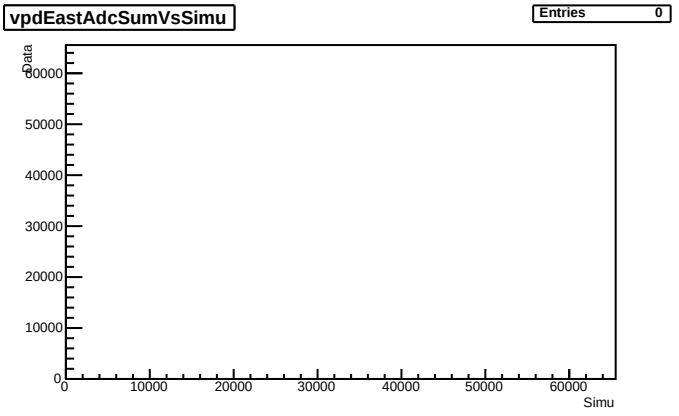
Entries 0
Data
Simu


vpdEastAdcSum
Entries 594154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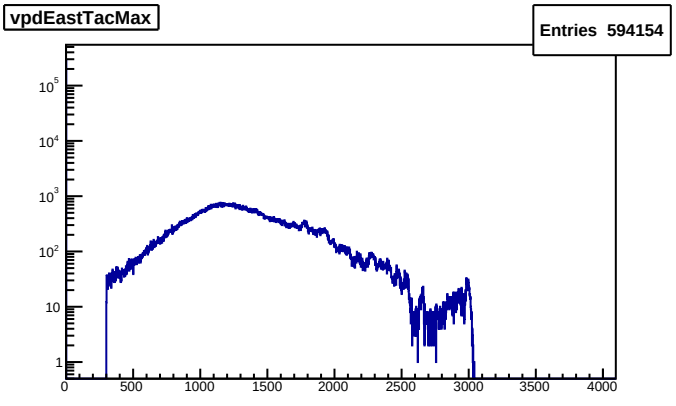
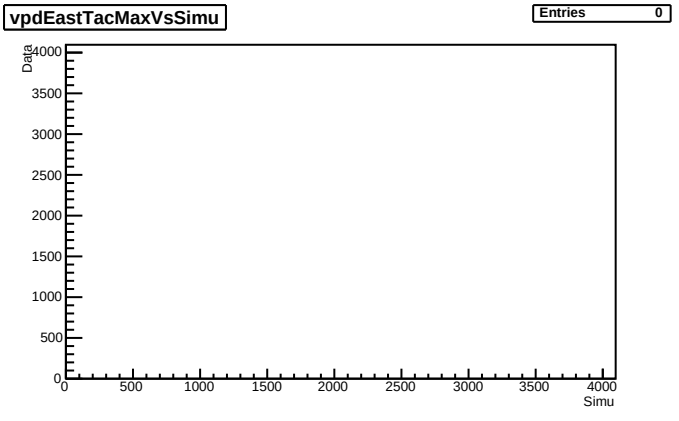
Entries 0
Data
Simu


vpdEastTacMax
Entries 594154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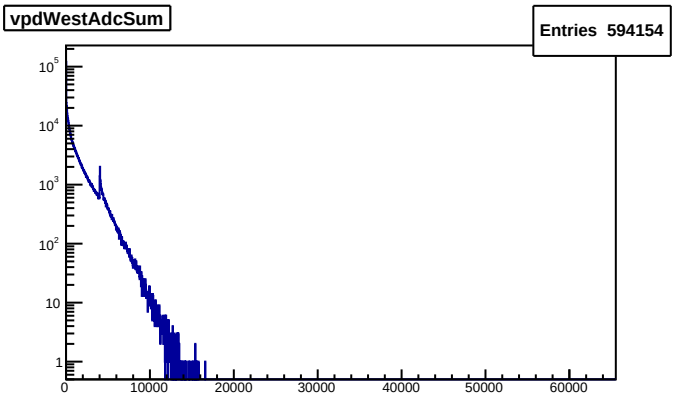
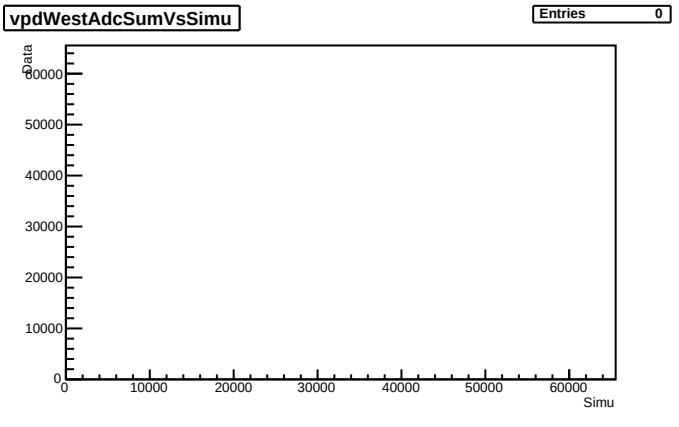
Entries 0
Data
Simu


vpdWestAdcSum
Entries 594154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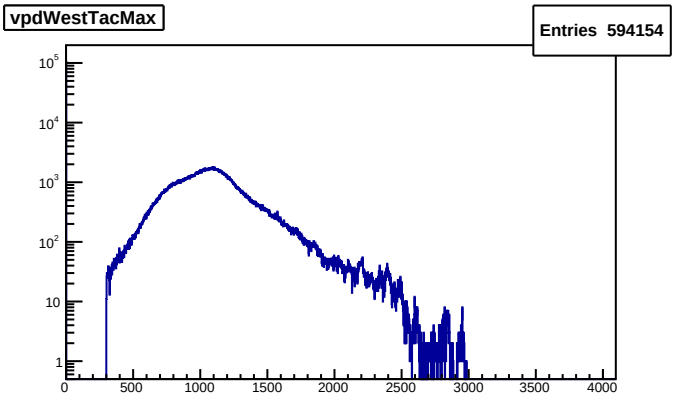
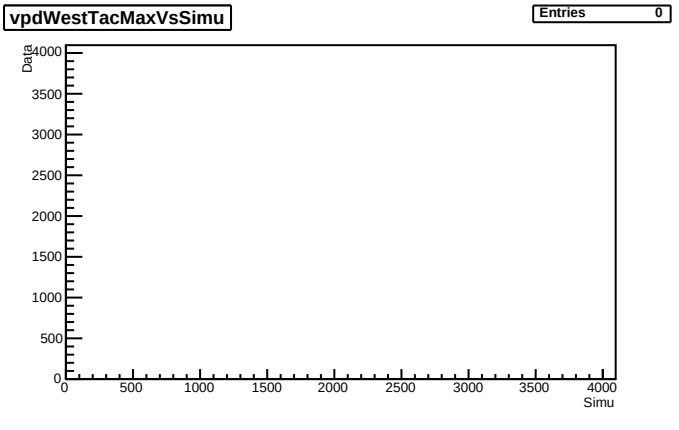
Entries 0
Data
Simu


vpdWestTacMax
Entries 594154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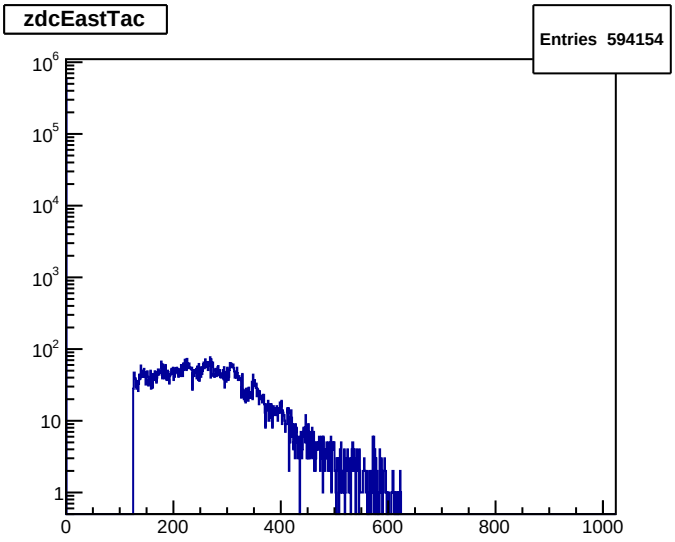
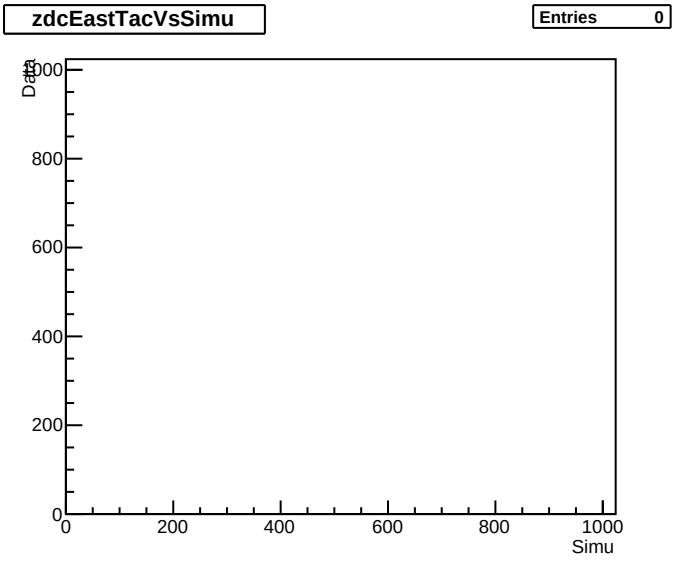
Entries 0
Data
Simu


zdcEastTac
Entries 594154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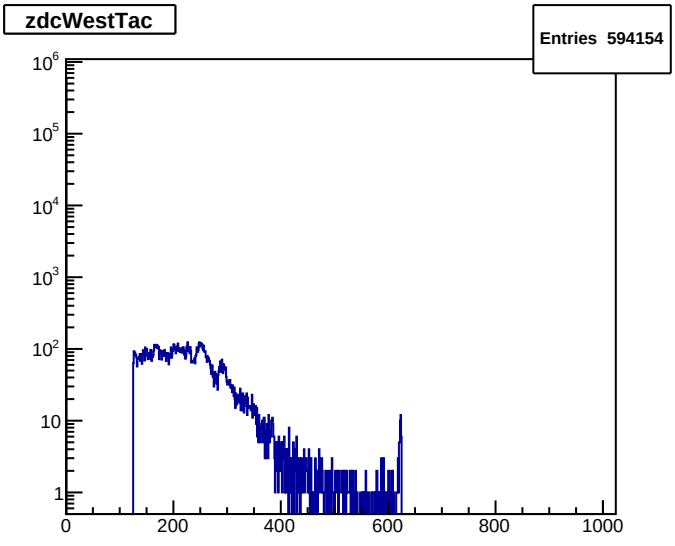
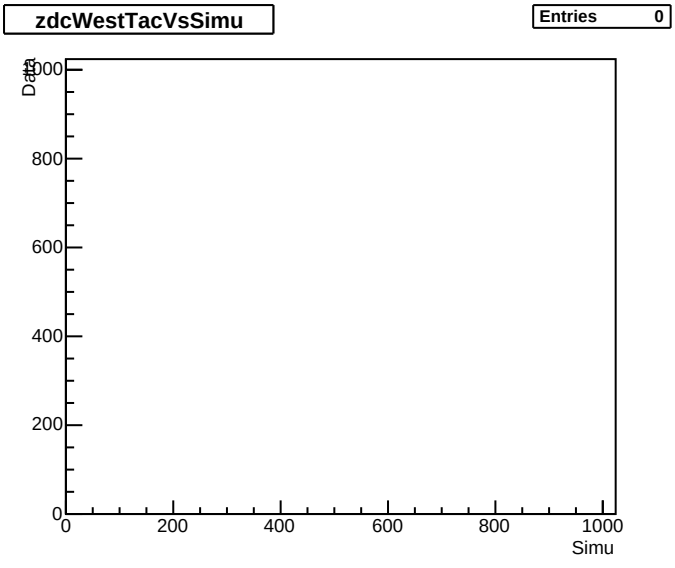
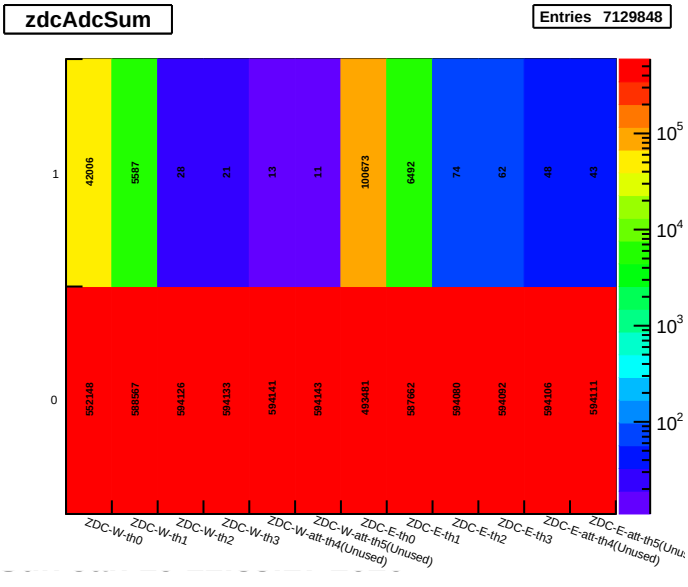
Entries 0
Data
Simu


zdcWestTac
Entries 594154


zdcWestTacVsSimu
Entries 0
Data
Simu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42006
5587
28
21
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100673
6492
74
62
48
43
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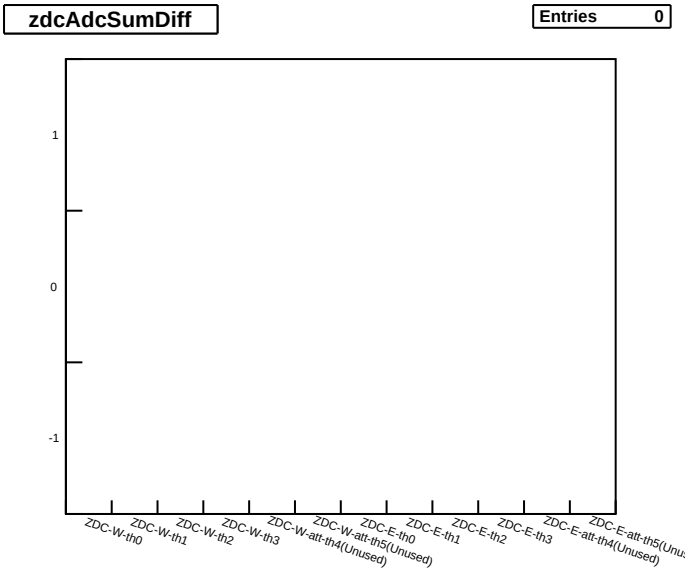
588567
594126
594133
594141
594143
493481
587662
594080
594092
594106
594111
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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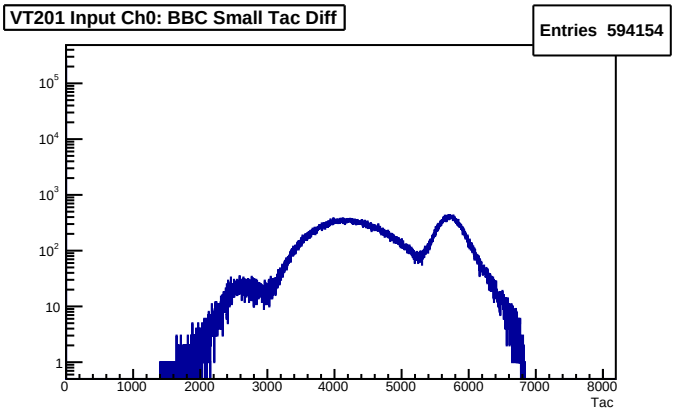
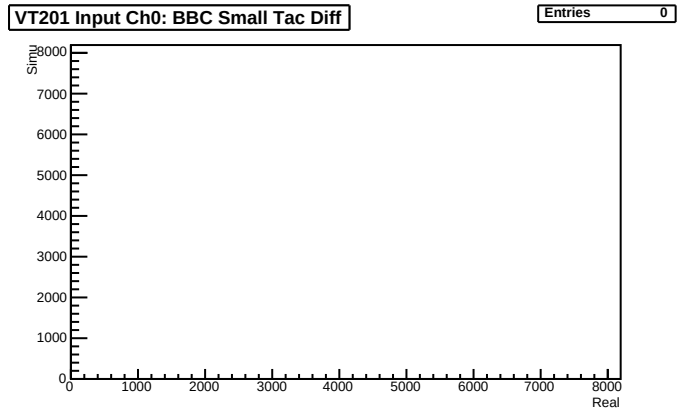
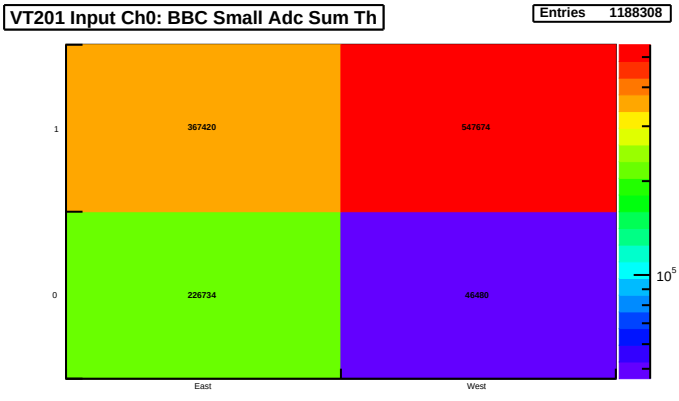
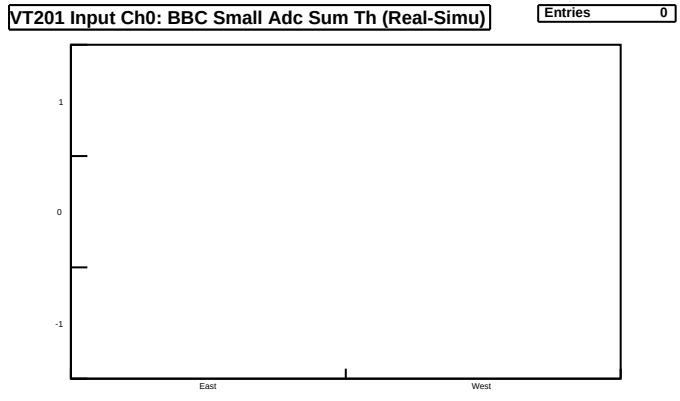
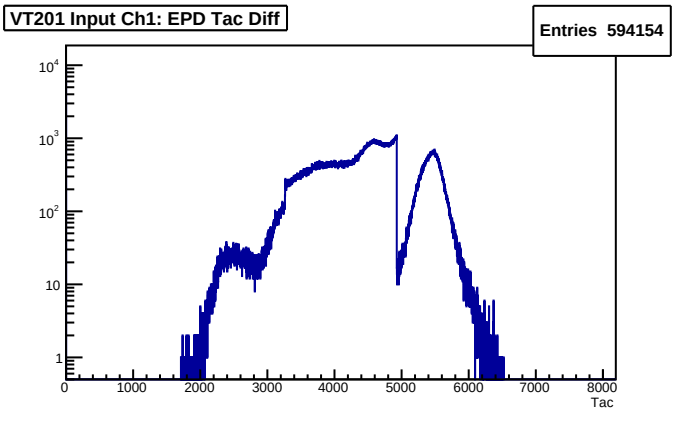
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

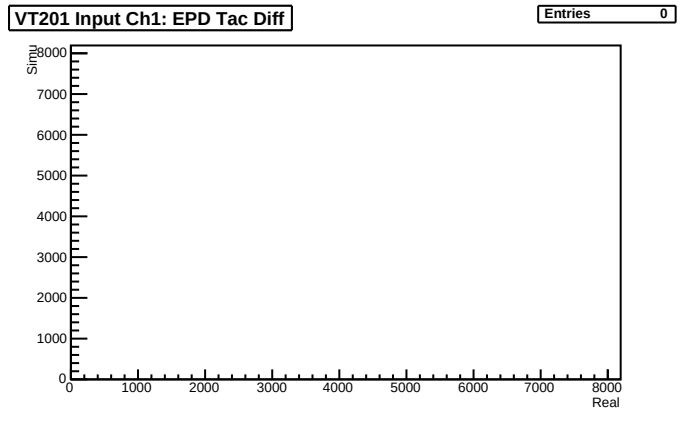

VT201 Input Ch0: BBC Small Tac Diff
Entries 594154
Tac

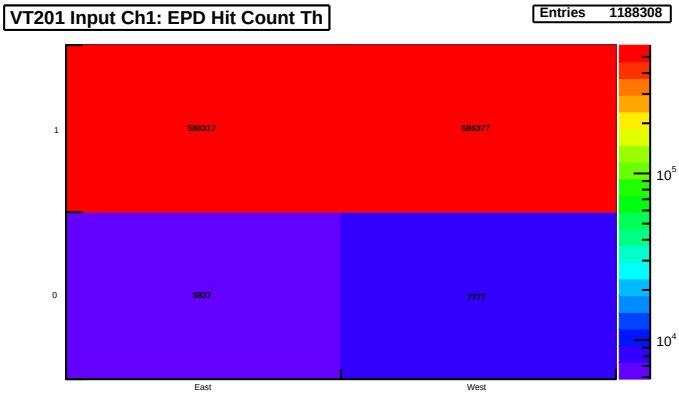

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

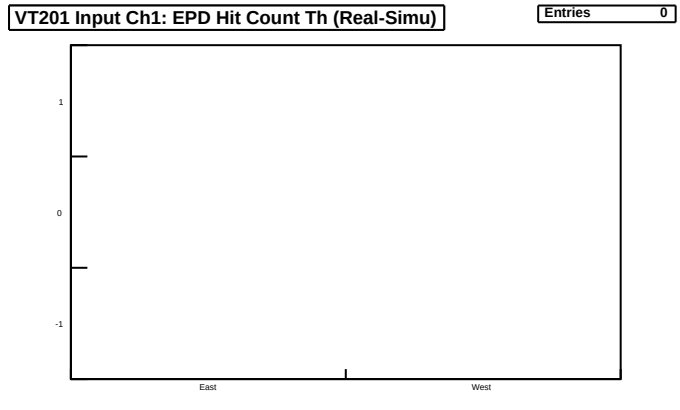

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1188308
367420
547674
226734
46480
East
West

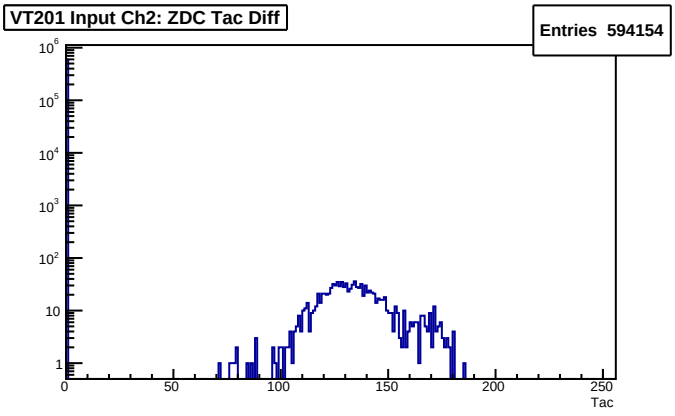

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

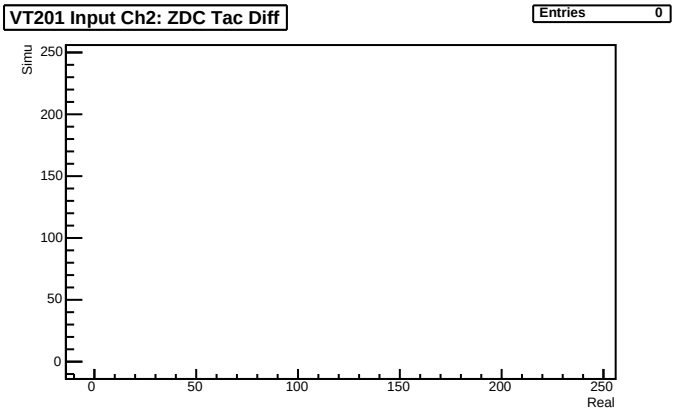

VT201 Input Ch1: EPD Tac Diff
Entries 594154
Tac

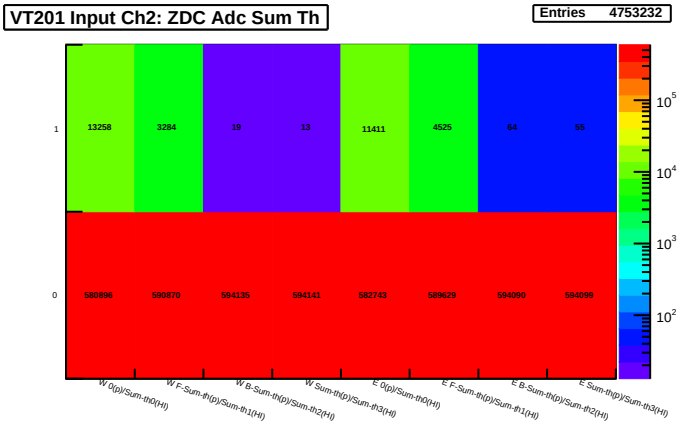

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

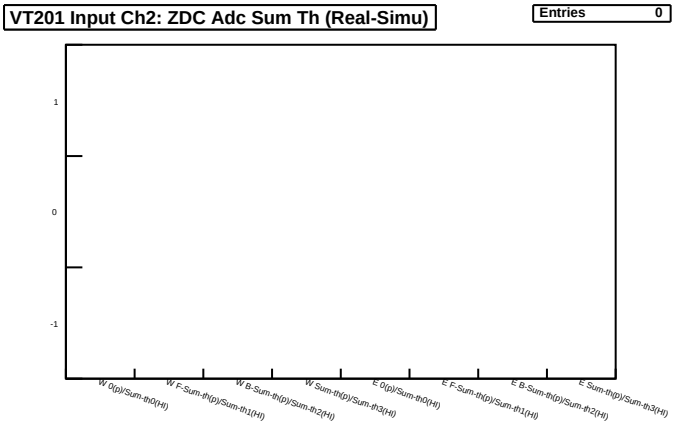

VT201 Input Ch1: EPD Hit Count Th
Entries 1188308
588317
586377
5837
7777
East
West

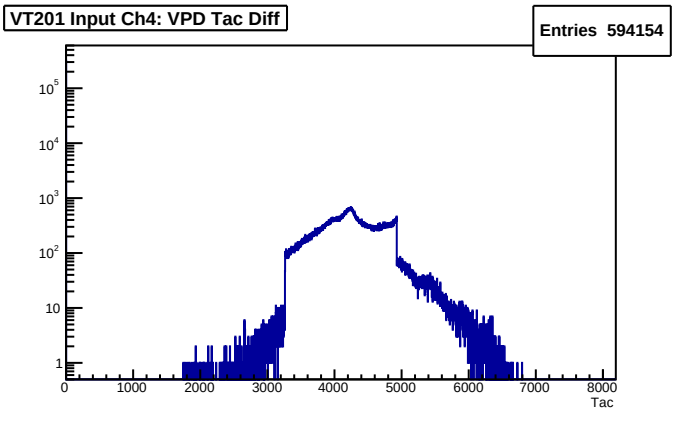

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

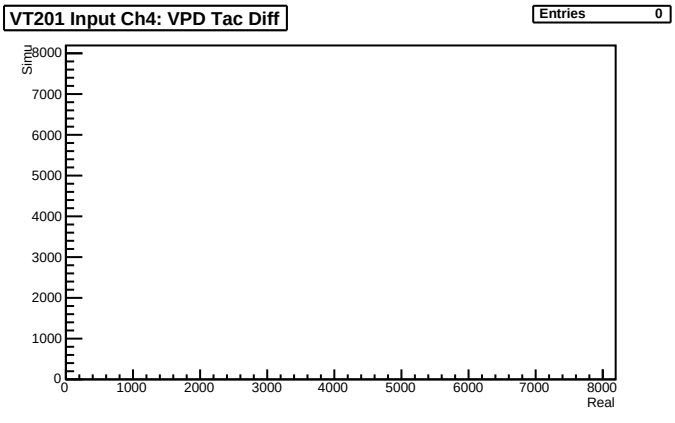

VT201 Input Ch2: ZDC Tac Diff
Entries 594154
Tac

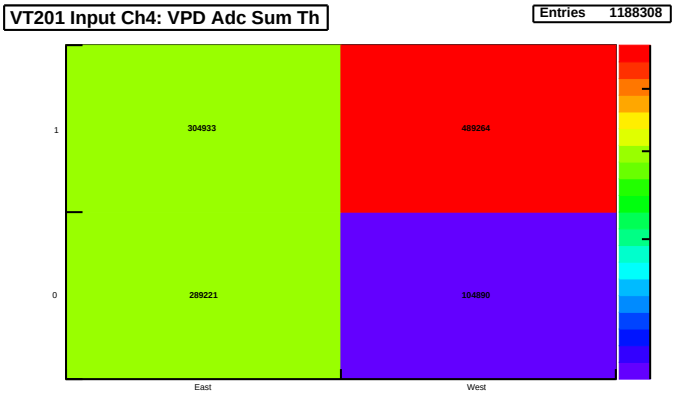

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

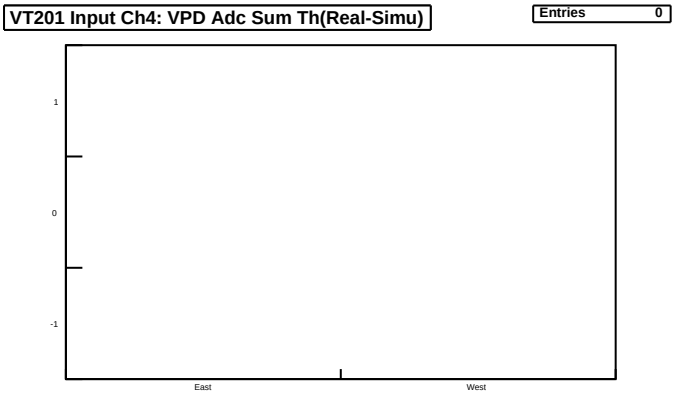

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4753232
13258
3284
19
13
11411
4525
64
55
580896
590870
594135
594141
582743
589629
594090
594099
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

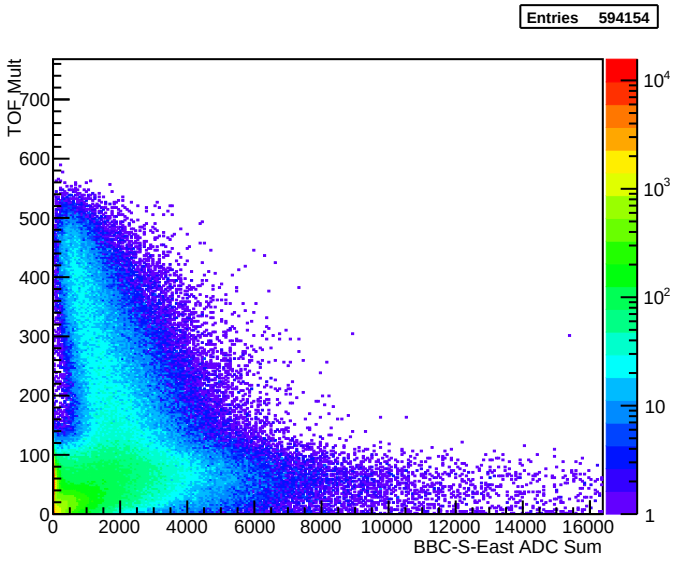

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

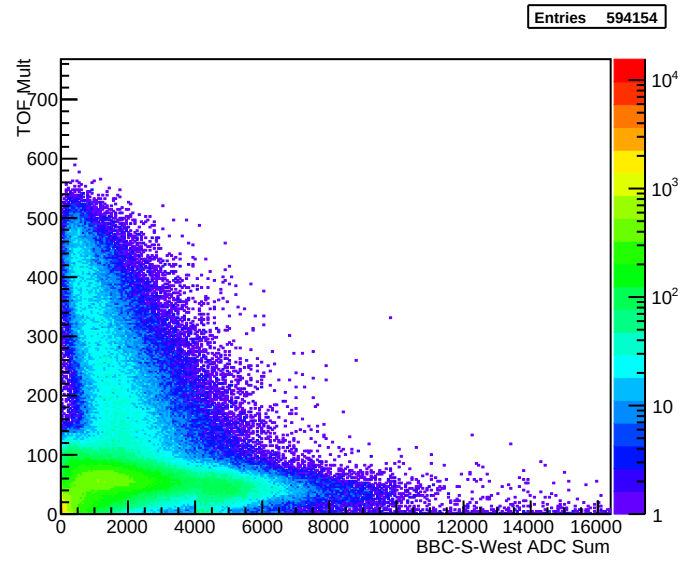

VT201 Input Ch4: VPD Tac Diff
Entries 594154
Tac

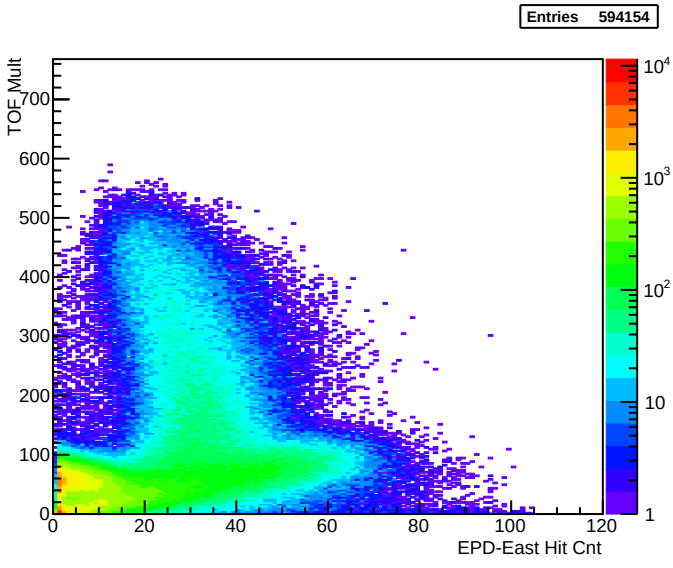

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

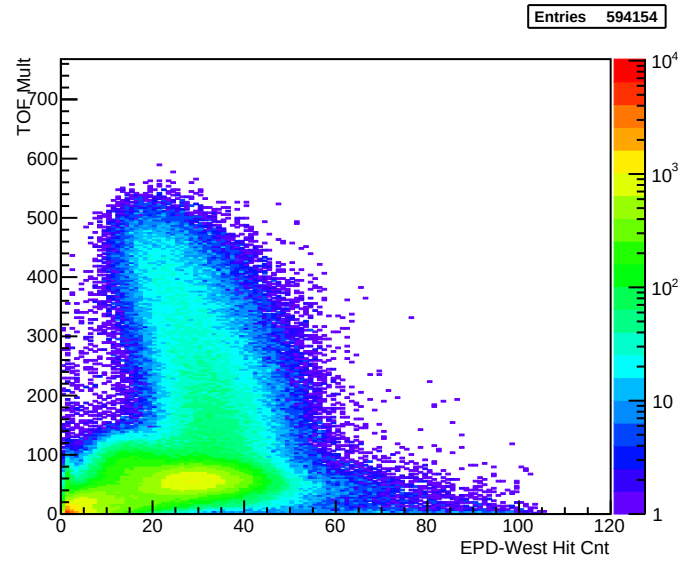

VT201 Input Ch4: VPD Adc Sum Th
Entries 1188308
304933
489264
289221
104890
East
West

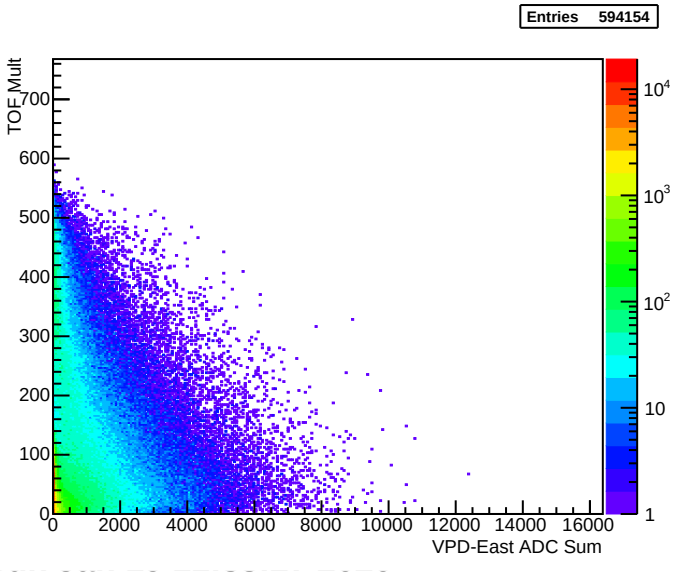

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

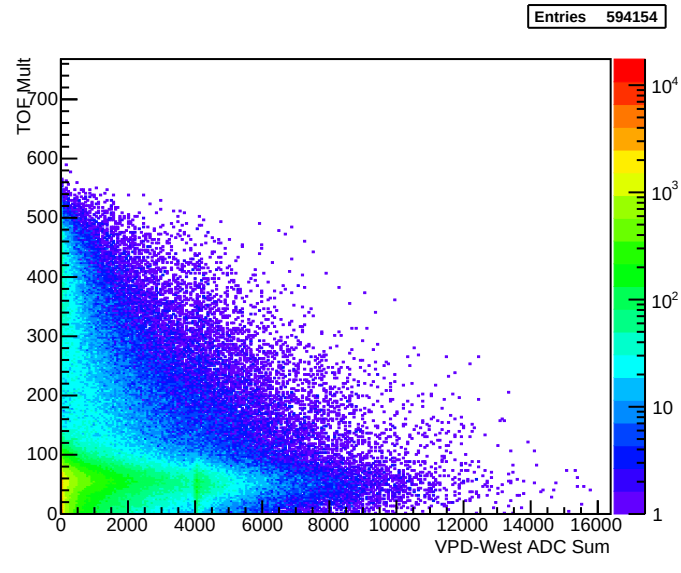

Entries 594154
TOF_Mult
BBC-S-East ADC Sum

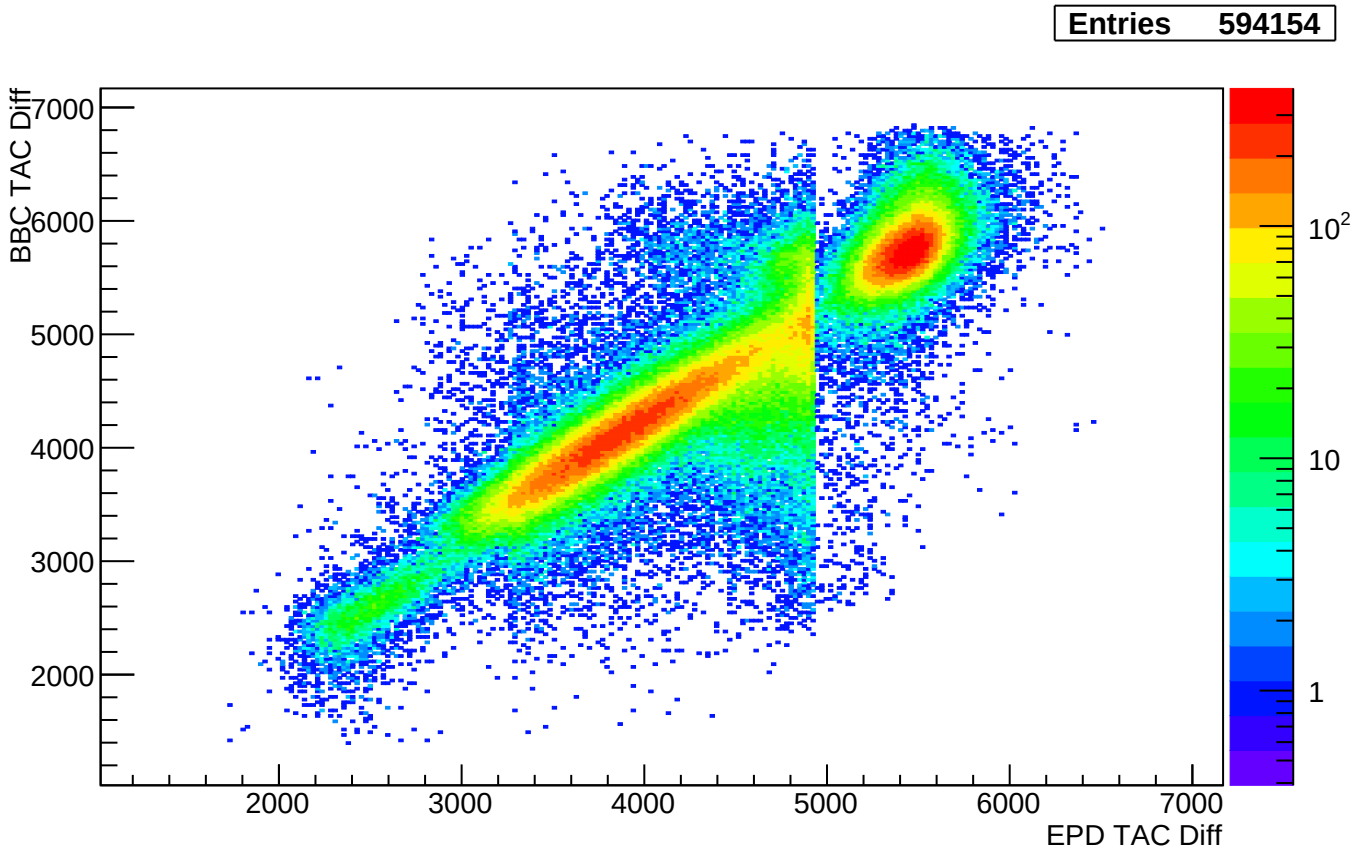

Entries 594154
TOF_Mult
BBC-S-West ADC Sum

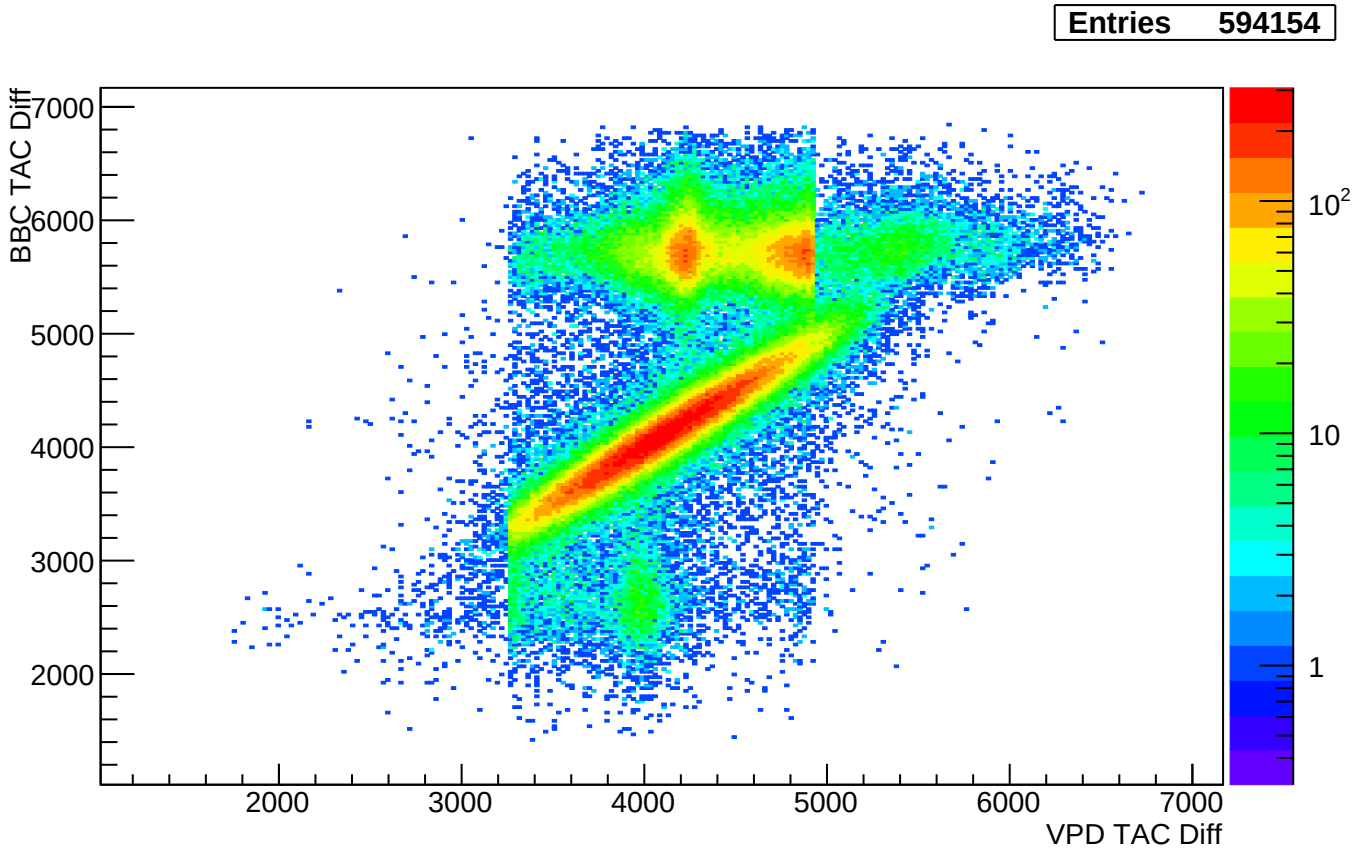

Entries 594154
TOF_Mult
EPD-East Hit Cnt

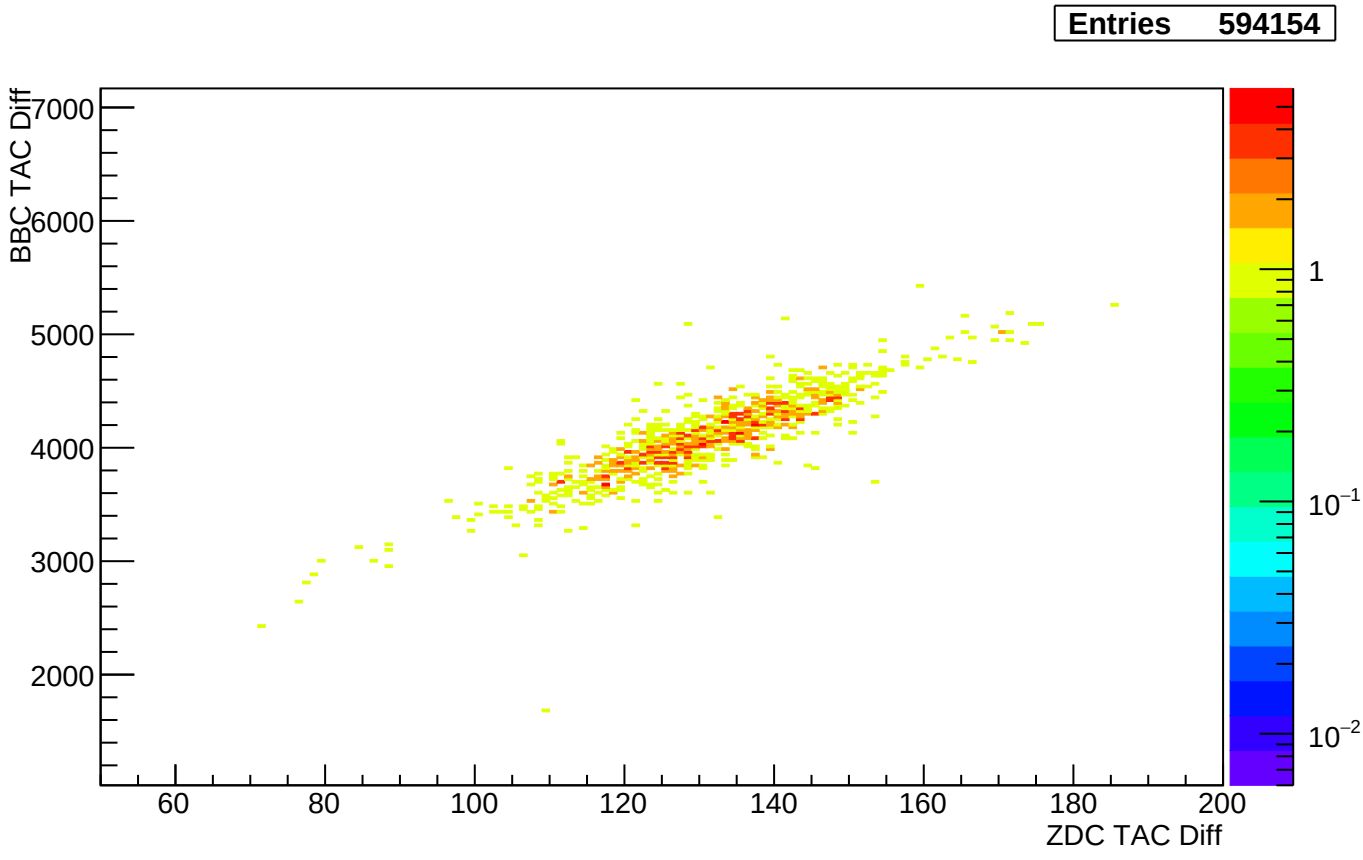

Entries 594154
TOF_Mult
EPD-West Hit Cnt

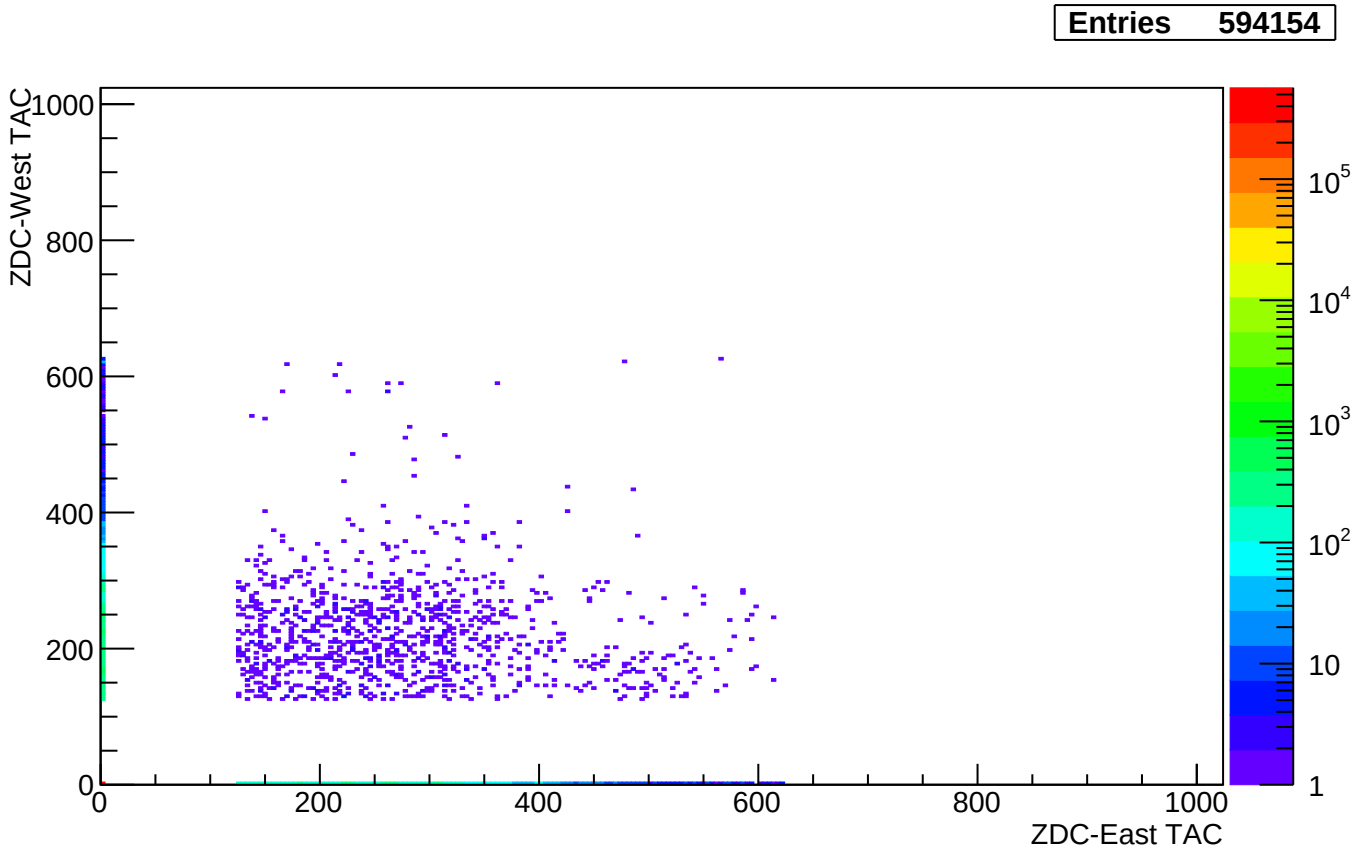

Entries 594154
TOF_Mult
VPD-East ADC Sum

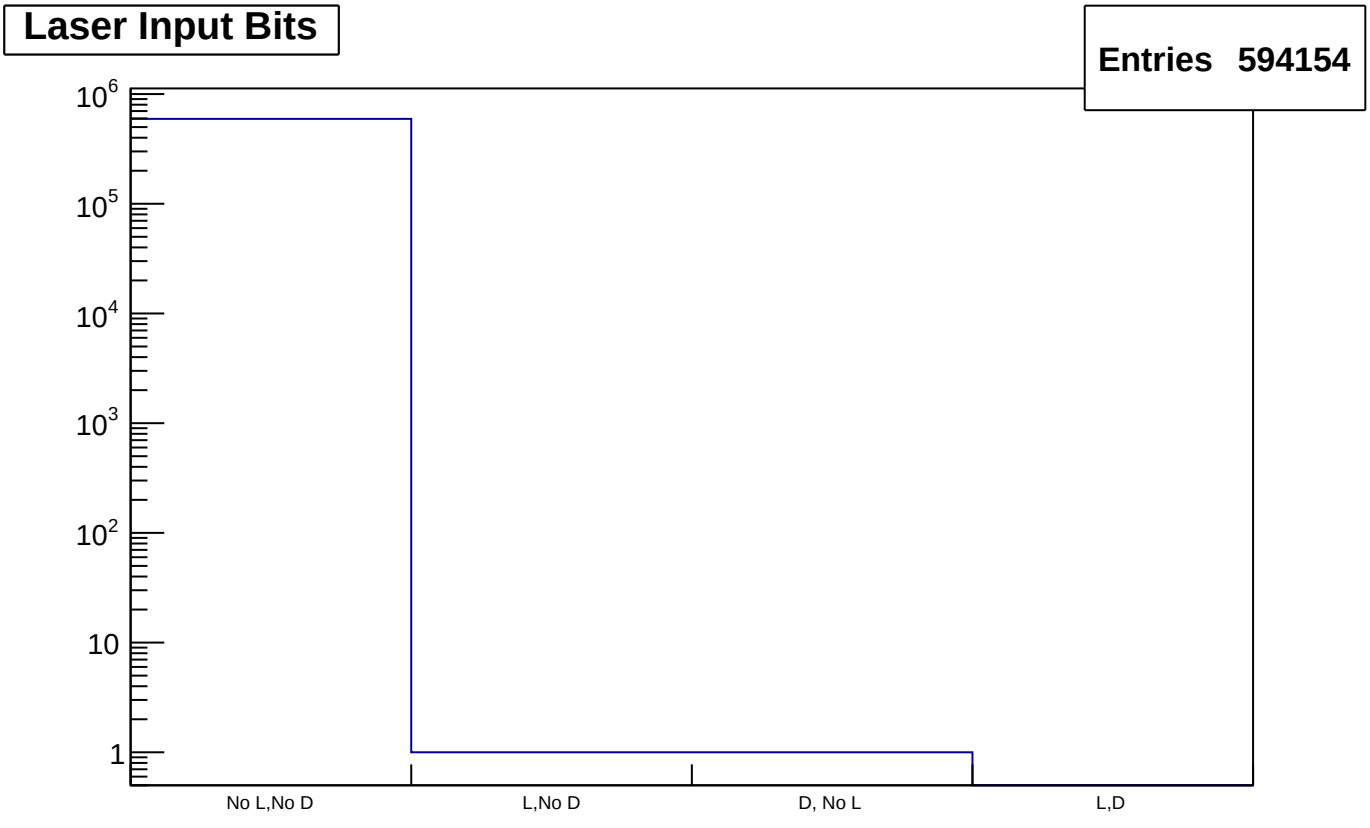

Entries 594154
TOF_Mult
VPD-West ADC Sum

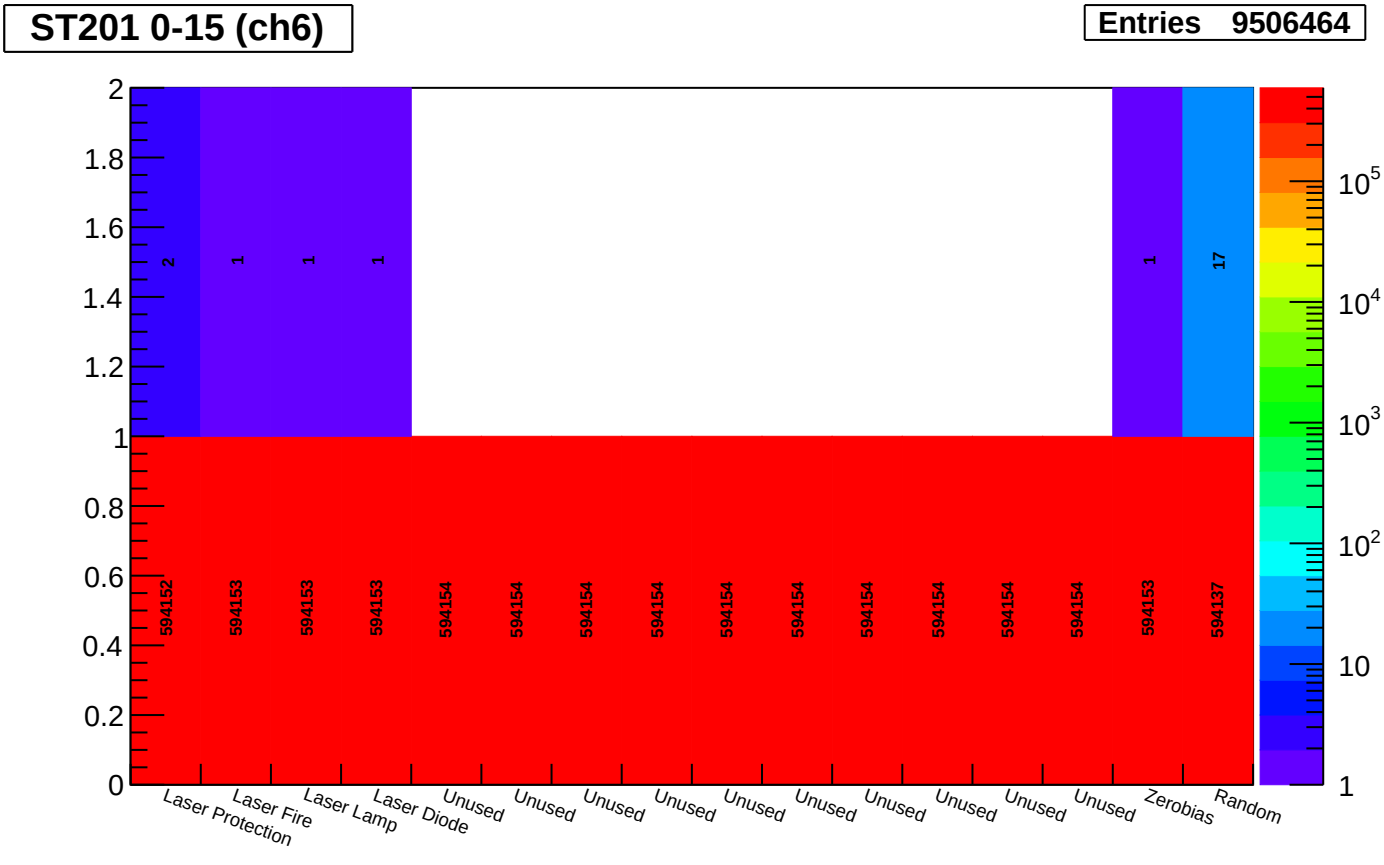

Entries 594154
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

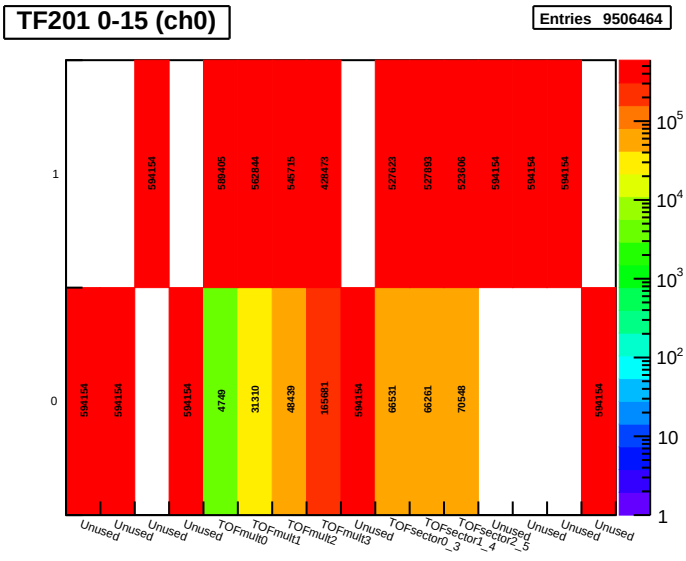

Entries 594154
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

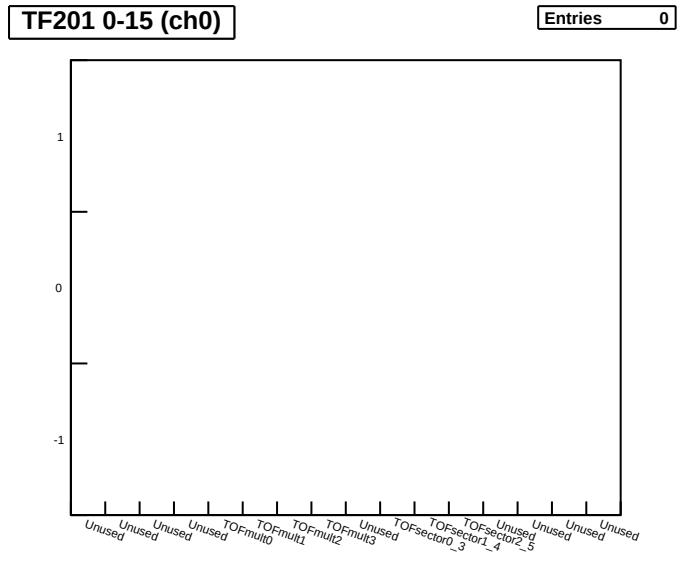

Entries 594154
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

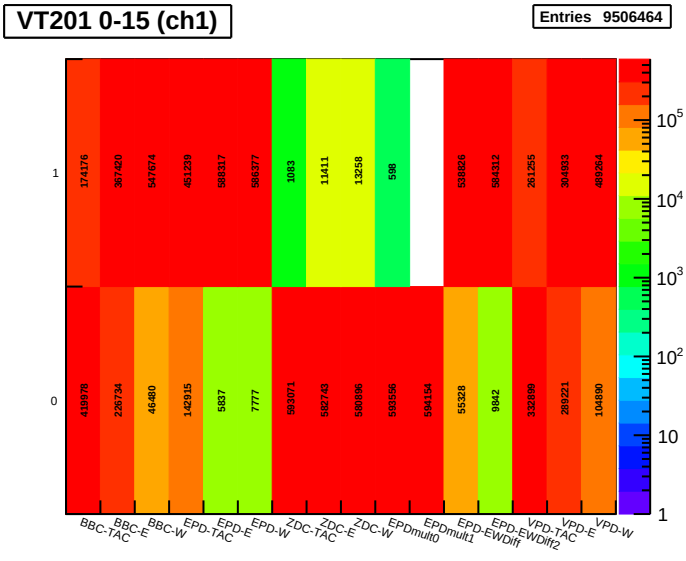

Entries 594154
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

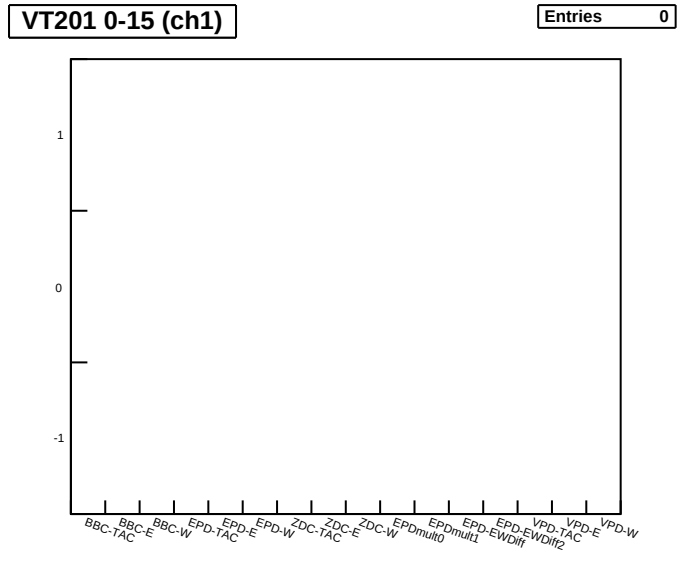

Laser Input Bits
Entries 594154
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

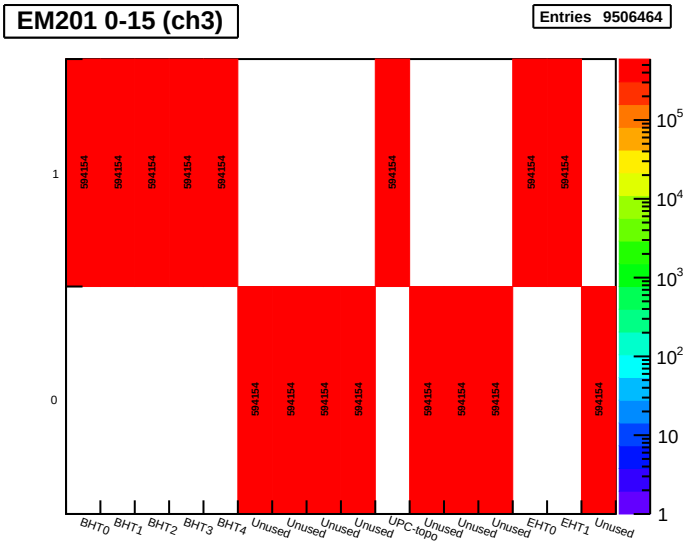

ST201 0-15 (ch6)
Entries 9506464
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
1
17
594152
594153
594153
594153
594154
594154
594154
594154
594154
594154
594154
594154
594154
594154
594153
594137
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

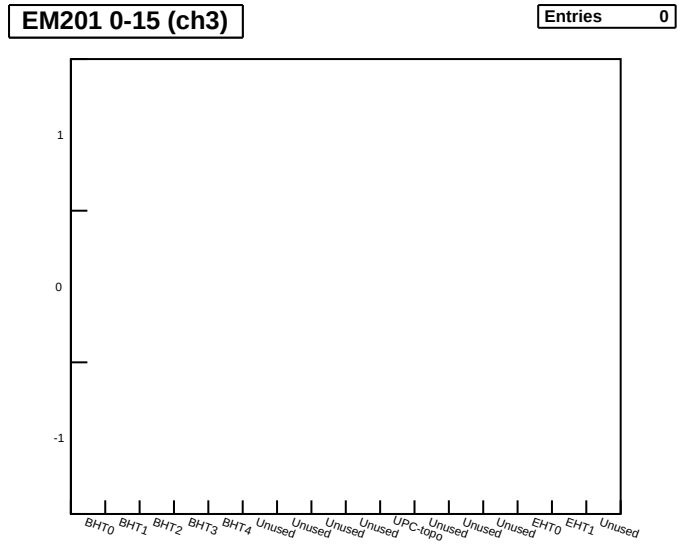

TF201 0-15 (ch0)
Entries 9506464
1
0
594154 594154 594154 594154 594154 589405 562844 545715 428473 527623 527893 523606 594154 594154 594154
594154 4749 31310 48439 165681 594154 66531 66261 70548 594154
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 9506464
1
0
174176 367420 547674 451239 568317 586377 1083 11411 13258 598 538826 584312 261255 304933 489264
419978 226734 46480 142915 5837 7777 593071 582743 580896 593566 594154 55328 9842 332899 289221 104890
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 9506464
1
0
594154 594154 594154 594154 594154 594154 594154 594154 594154
594154 594154 594154 594154 594154 594154 594154 594154
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