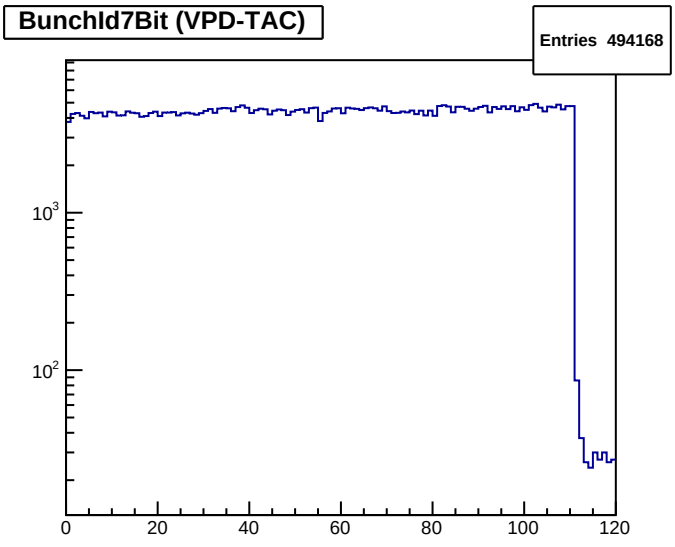
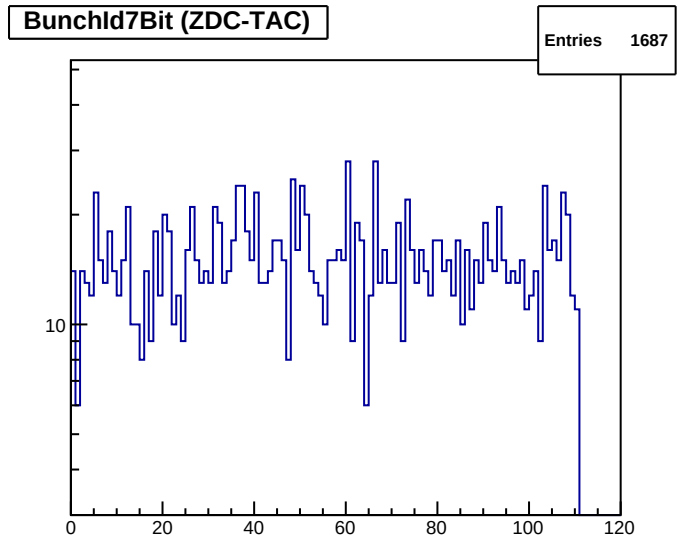
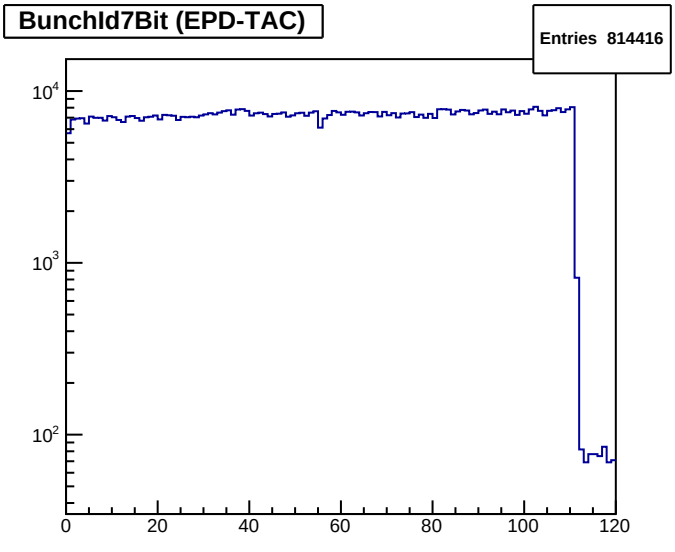
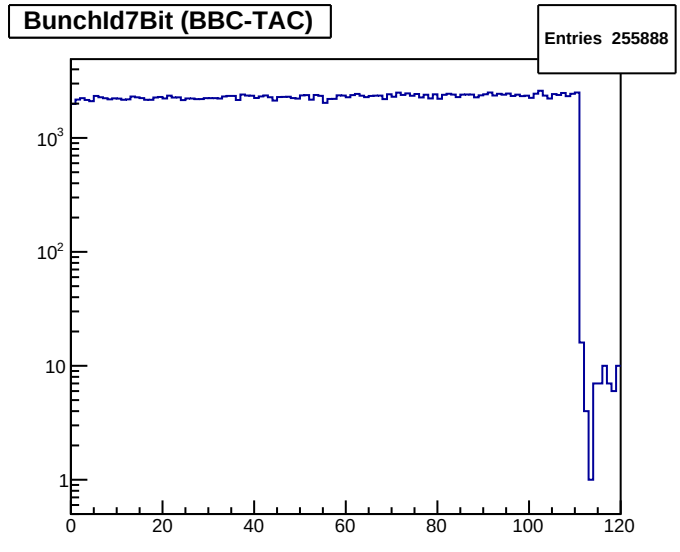
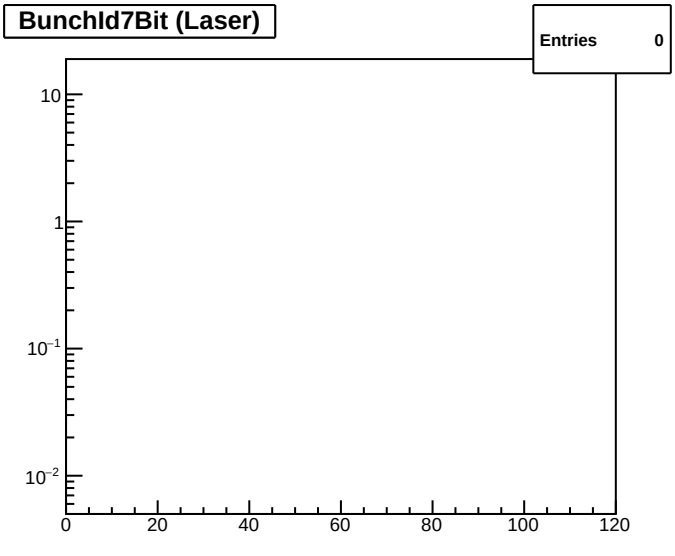
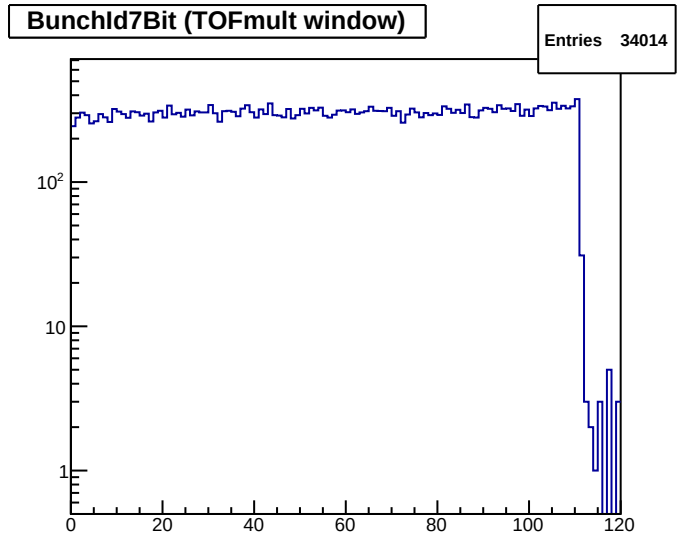

BunchId7Bit (VPD-TAC)
Entries 494168
10^3
10^2
0 20 40 60 80 100 120

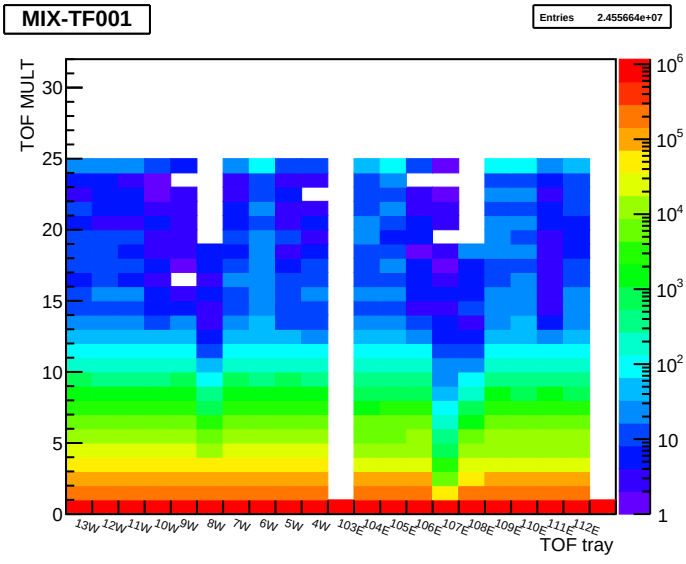

BunchId7Bit (ZDC-TAC)
Entries 1687
10
0 20 40 60 80 100 120

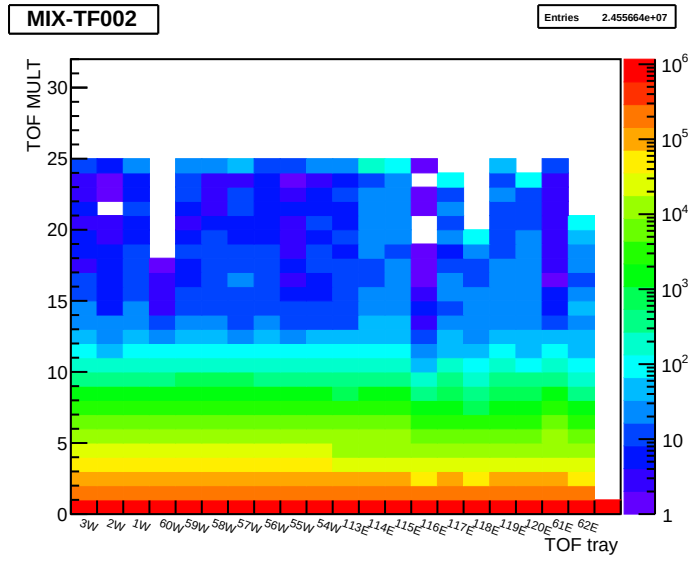

BunchId7Bit (EPD-TAC)
Entries 814416
10^4
10^3
10^2
0 20 40 60 80 100 120

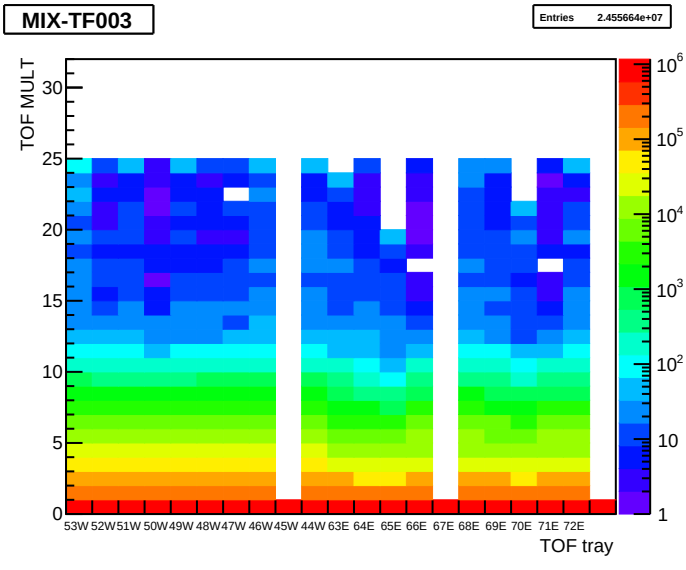

BunchId7Bit (BBC-TAC)
Entries 255888
10^3
10^2
10
1
0 20 40 60 80 100 120

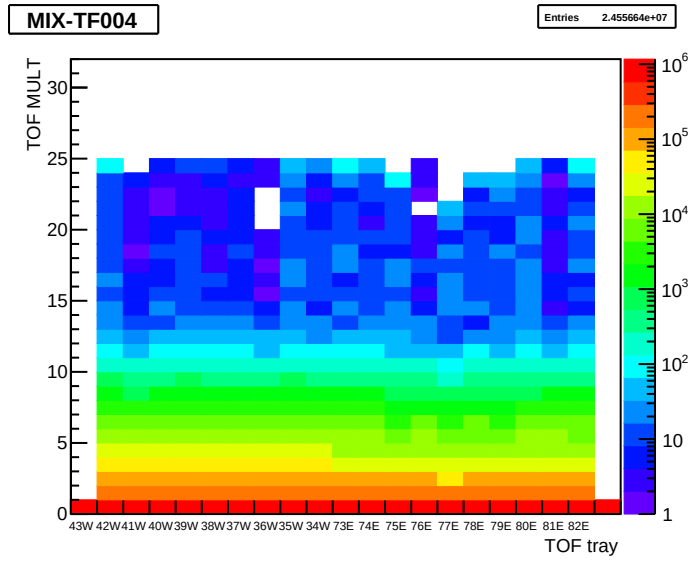

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

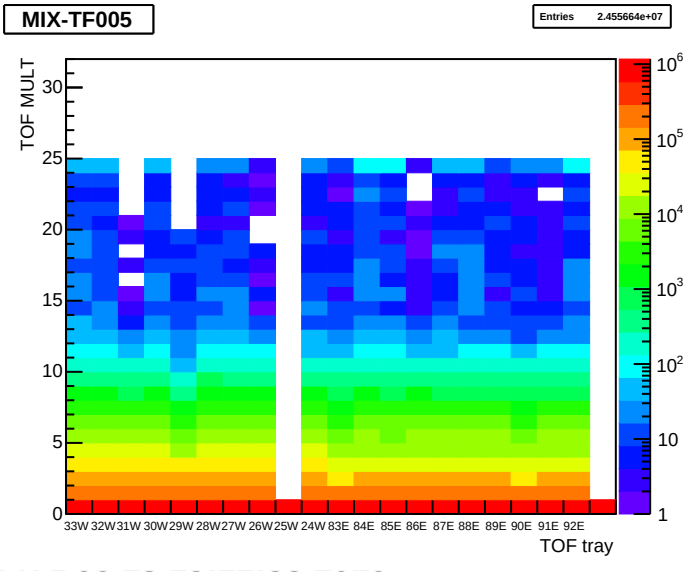

BunchId7Bit (TOFmult window)
Entries 34014
10^2
10
1
0 20 40 60 80 100 120

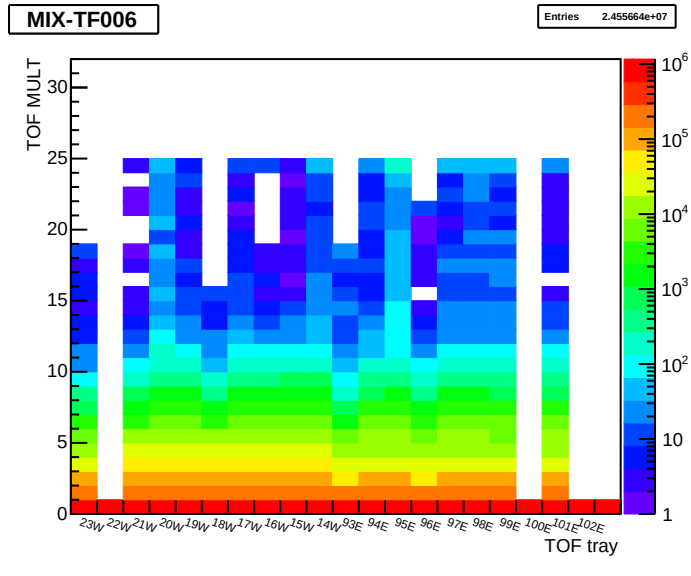

MIX-TF001
Entries 2.455664e+07
TOF MULT
TOF tray

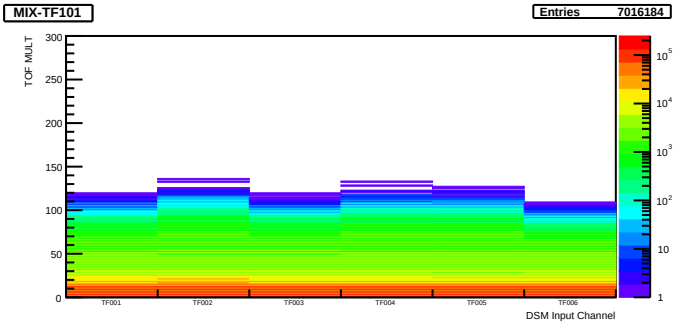

MIX-TF002
Entries 2.455664e+07
TOF MULT
TOF tray

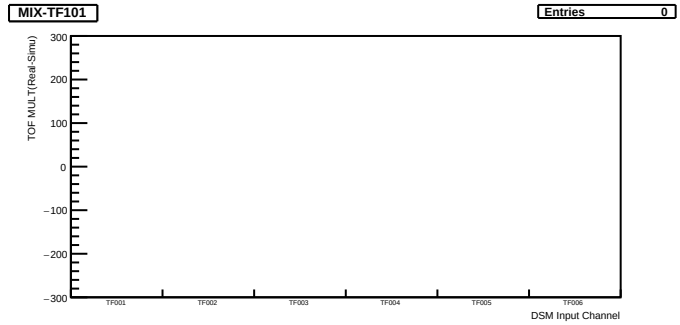

MIX-TF003
Entries 2.455664e+07
TOF MULT
TOF tray

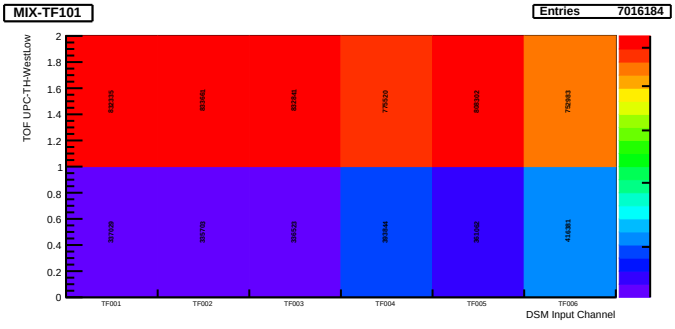

MIX-TF004
Entries 2.455664e+07
TOF MULT
TOF tray

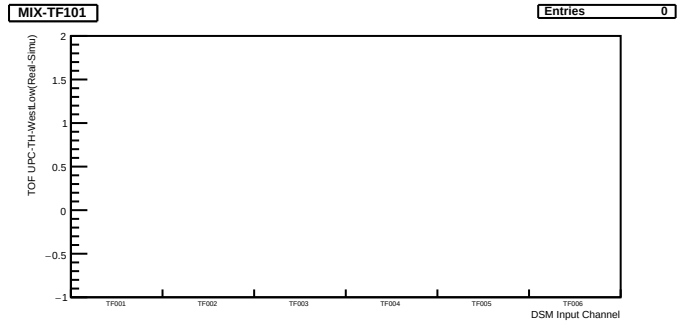

MIX-TF005
Entries 2.455664e+07
TOF MULT
TOF tray

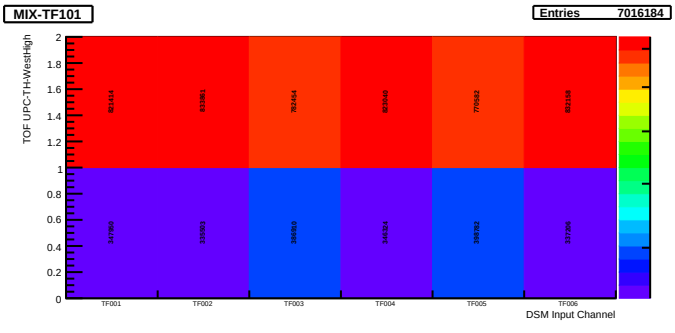

MIX-TF006
Entries 2.455664e+07
TOF MULT
TOF tray

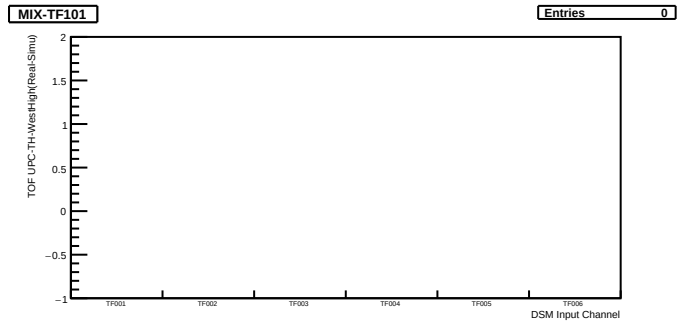

MIX-TF101
Entries 7016184
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

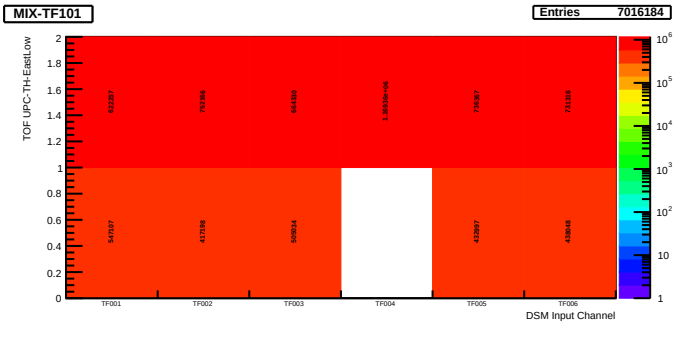

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

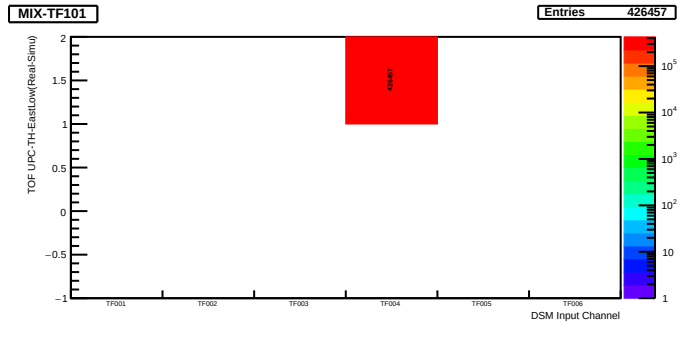

MIX-TF101
Entries 7016184
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

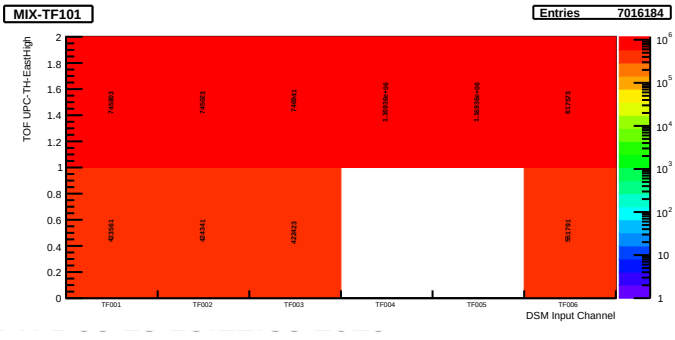

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

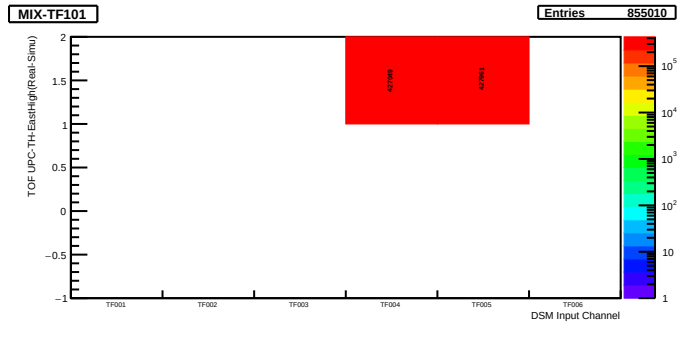

MIX-TF101
Entries 7016184
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

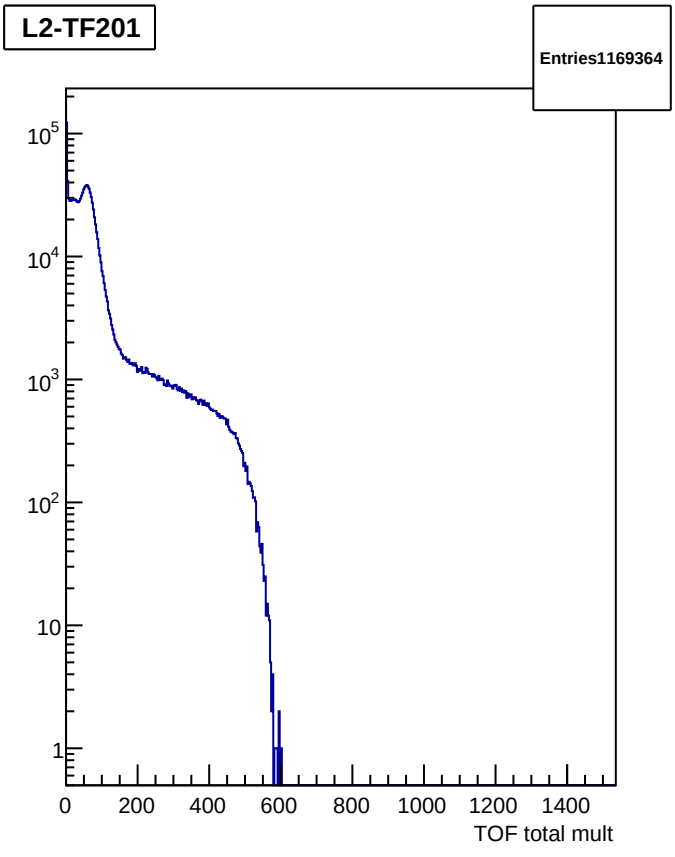

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

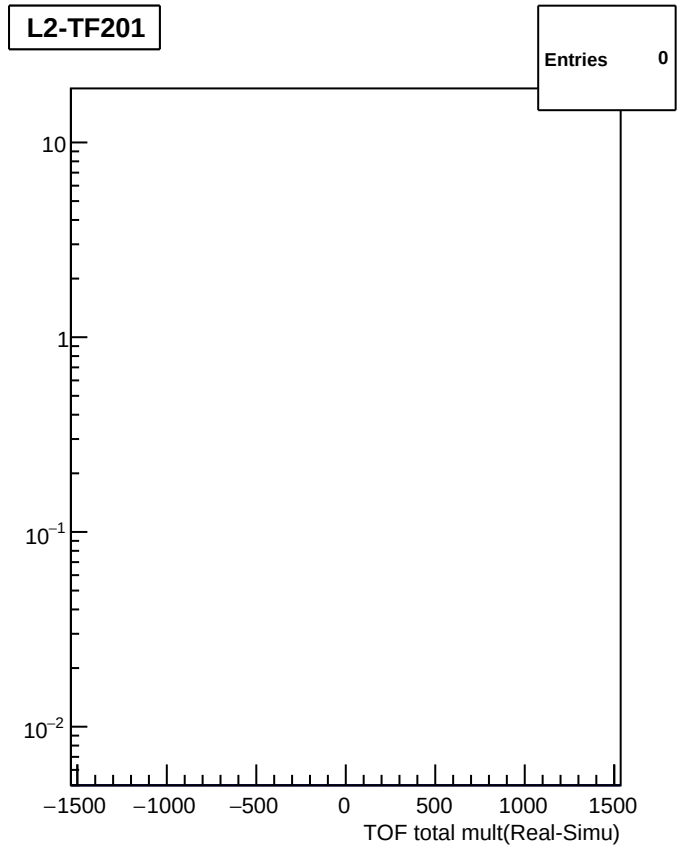

MIX-TF101
Entries 7016184
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

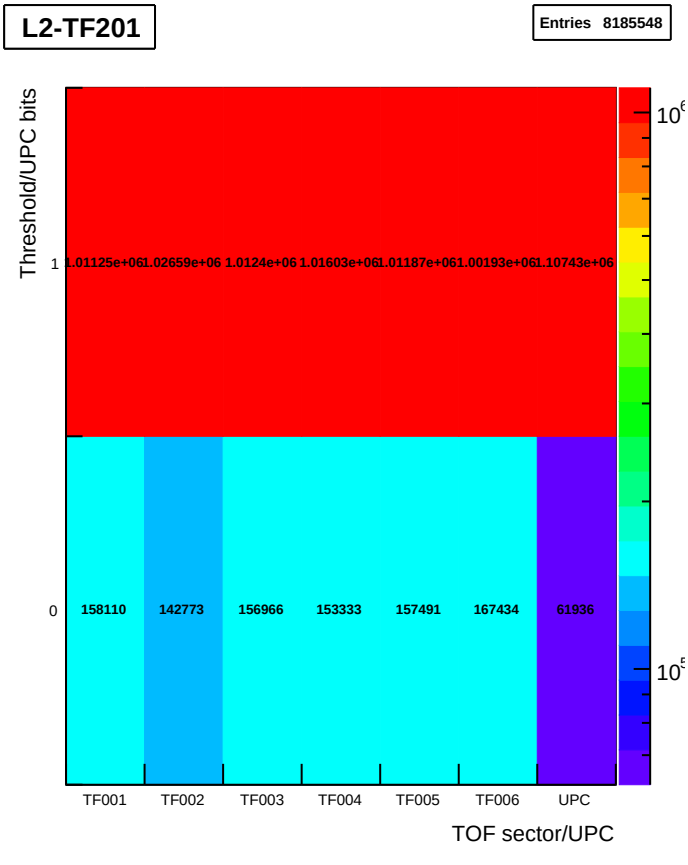

MIX-TF101
Entries 426457
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

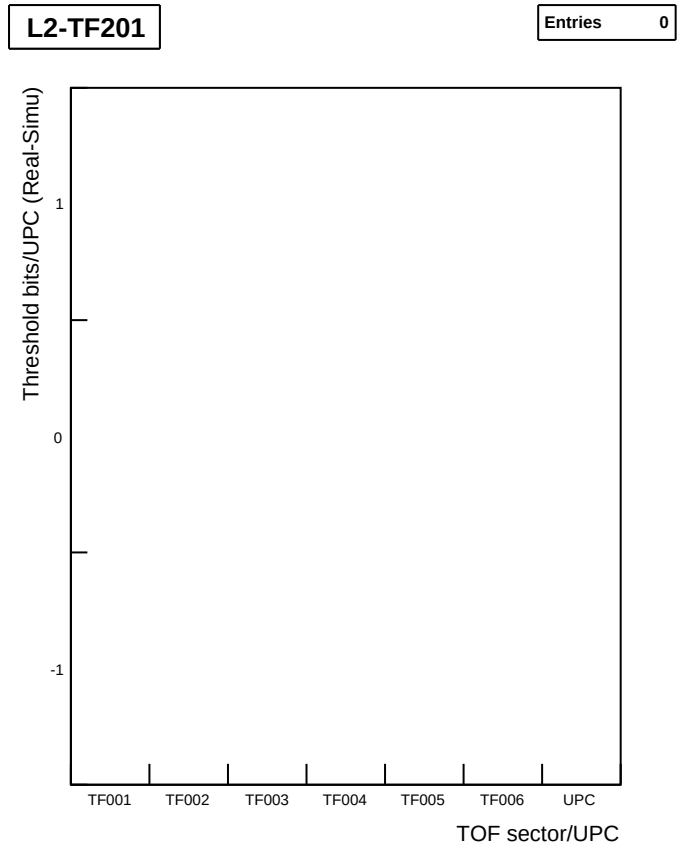

MIX-TF101
Entries 7016184
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

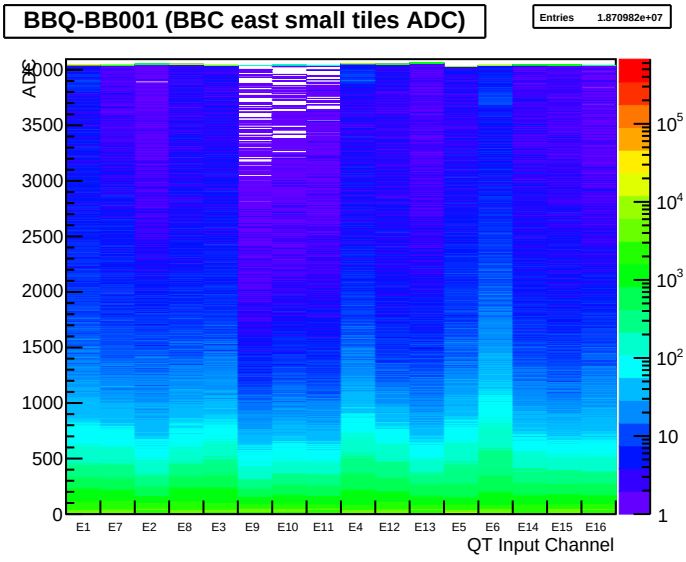

MIX-TF101
Entries 855010
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

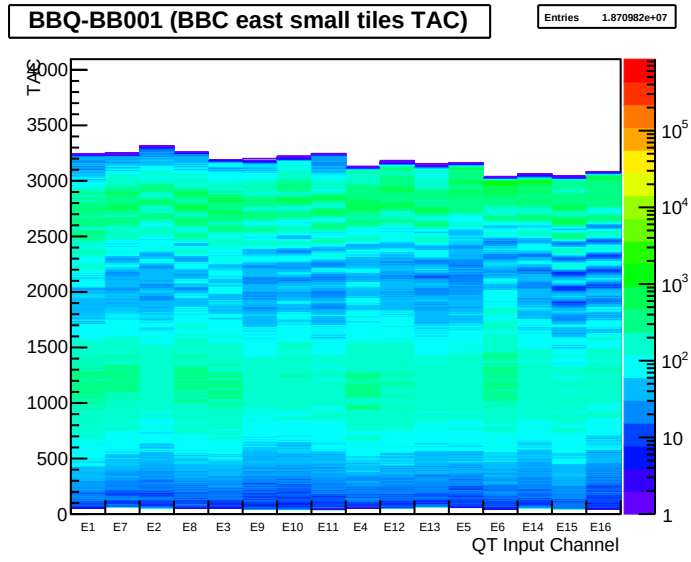

L2-TF201
Entries1169364
TOF total mult

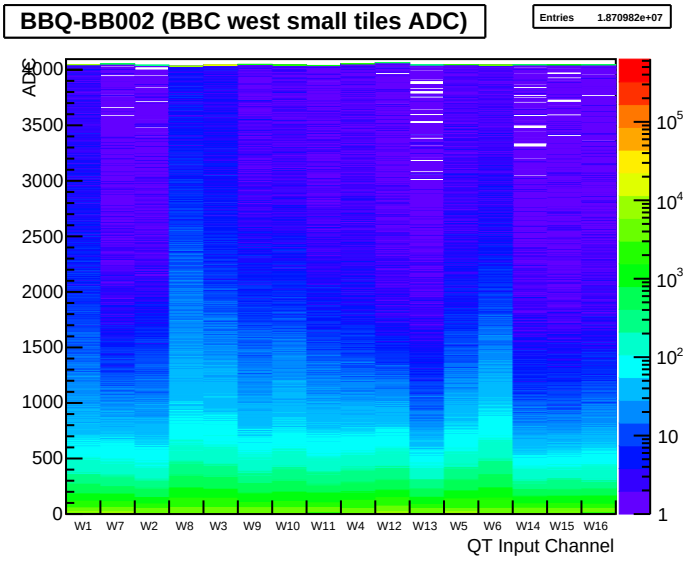

L2-TF201
Entries 0
TOF total mult(Real-Simu)

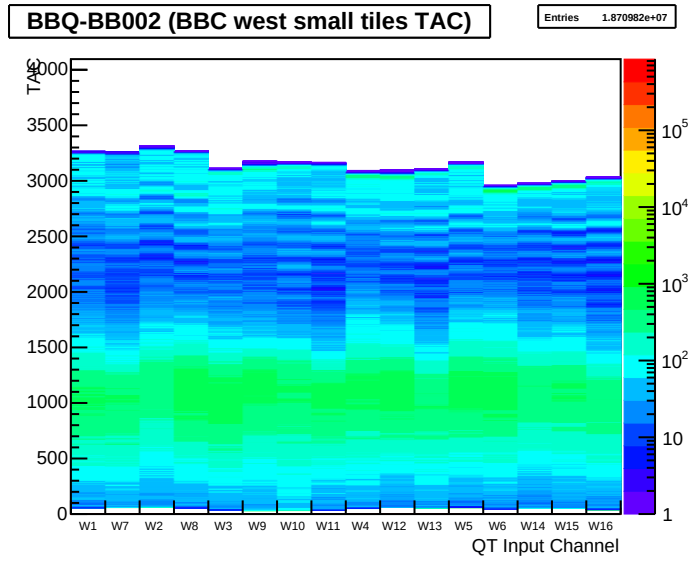

L2-TF201
Entries 8185548
Threshold/UPC bits
1.01125e+06 1.02659e+06 1.0124e+06 1.01603e+06 1.01187e+06 1.00193e+06 1.10743e+06
158110 142773 156966 153333 157491 167434 61936
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

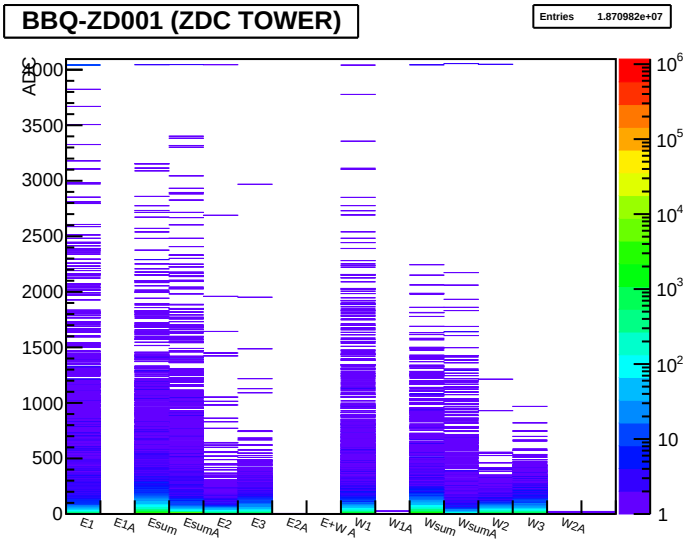

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

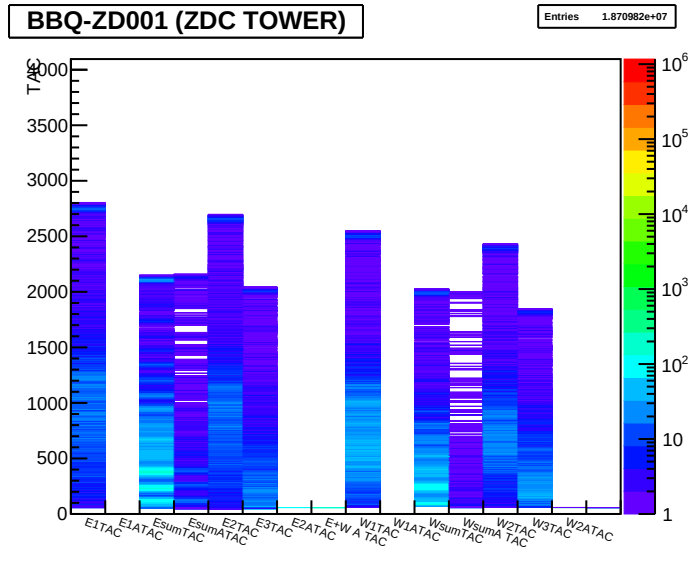

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.870982e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

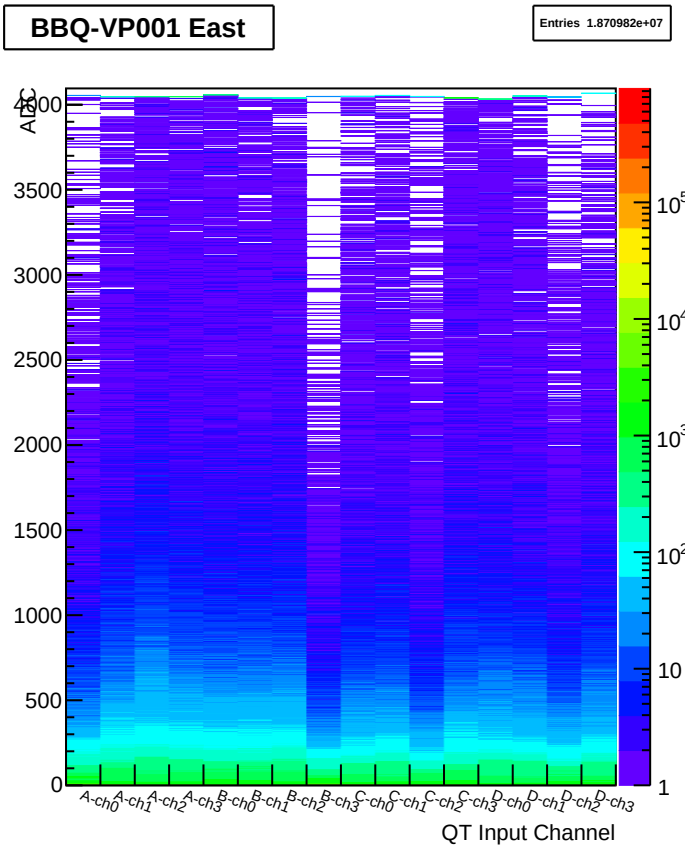

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.870982e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

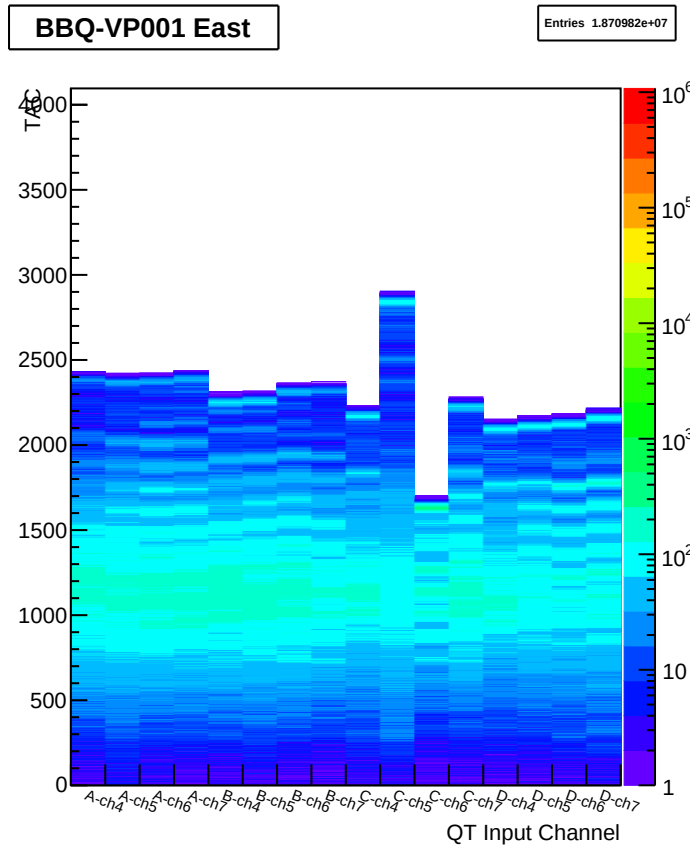

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.870982e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

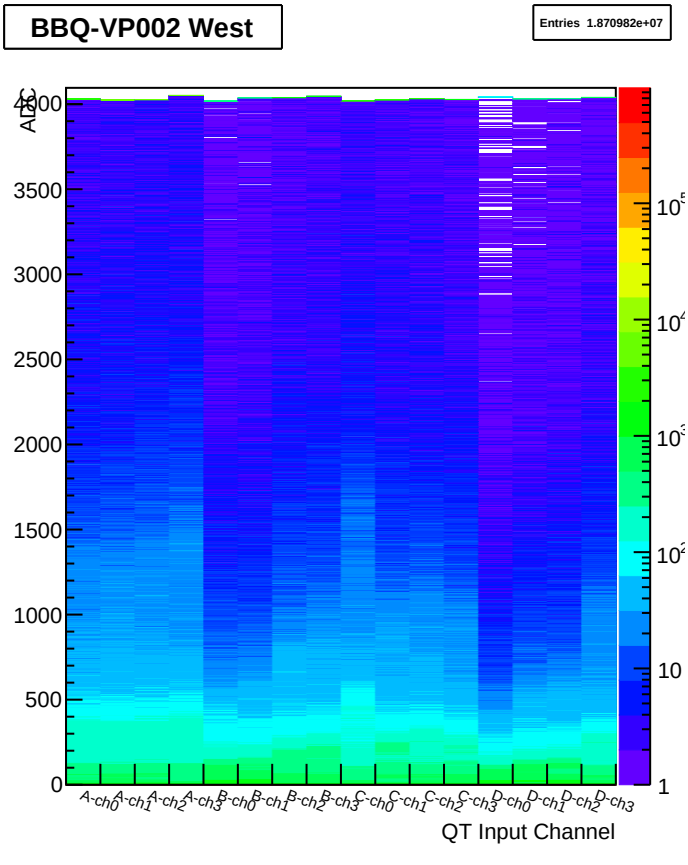

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.870982e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

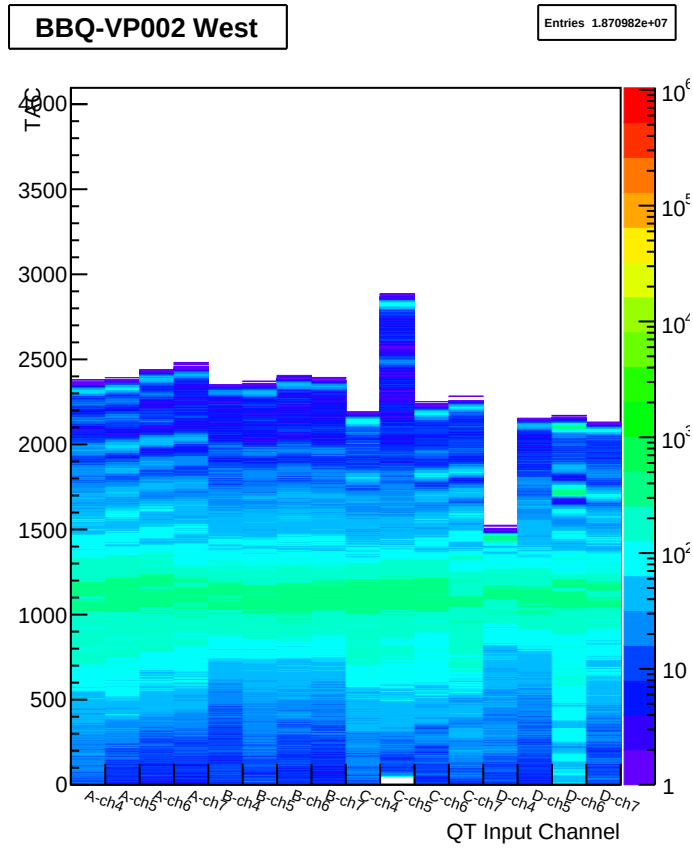

BBQ-ZD001 (ZDC TOWER)
Entries 1.870982e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

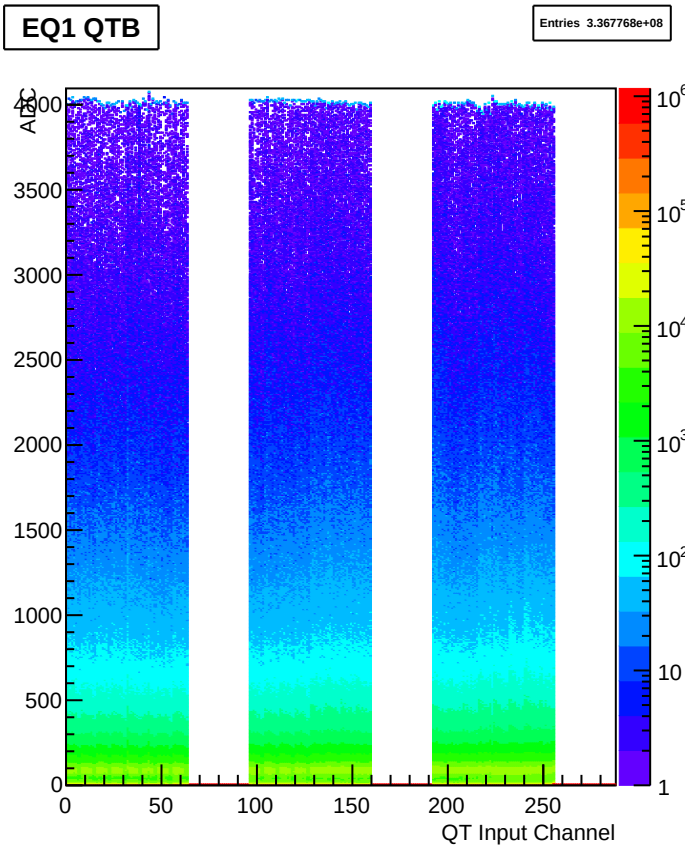

BBQ-ZD001 (ZDC TOWER)
Entries 1.870982e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

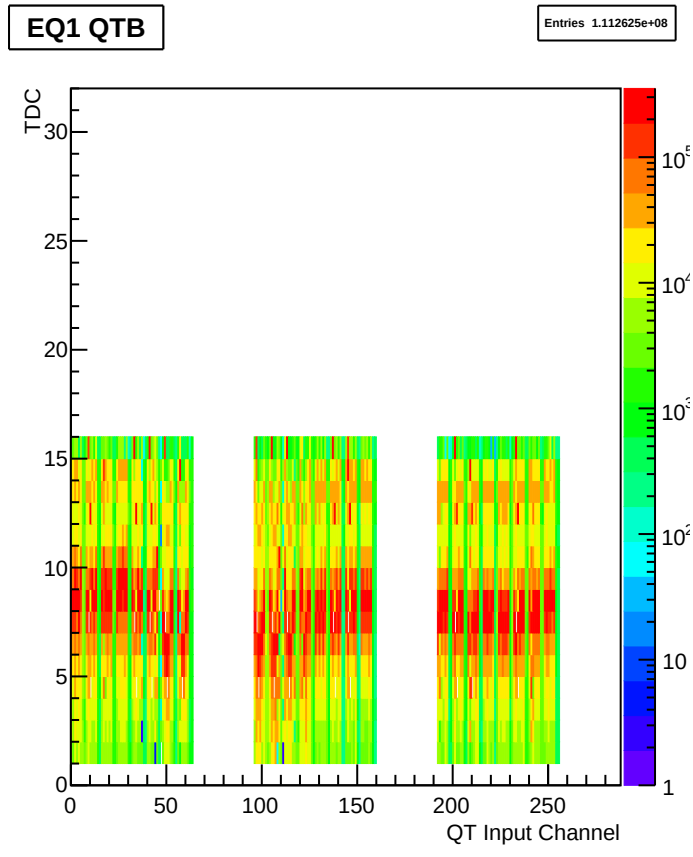

BBQ-VP001 East
Entries 1.870982e+07
ADC
QT Input Channel

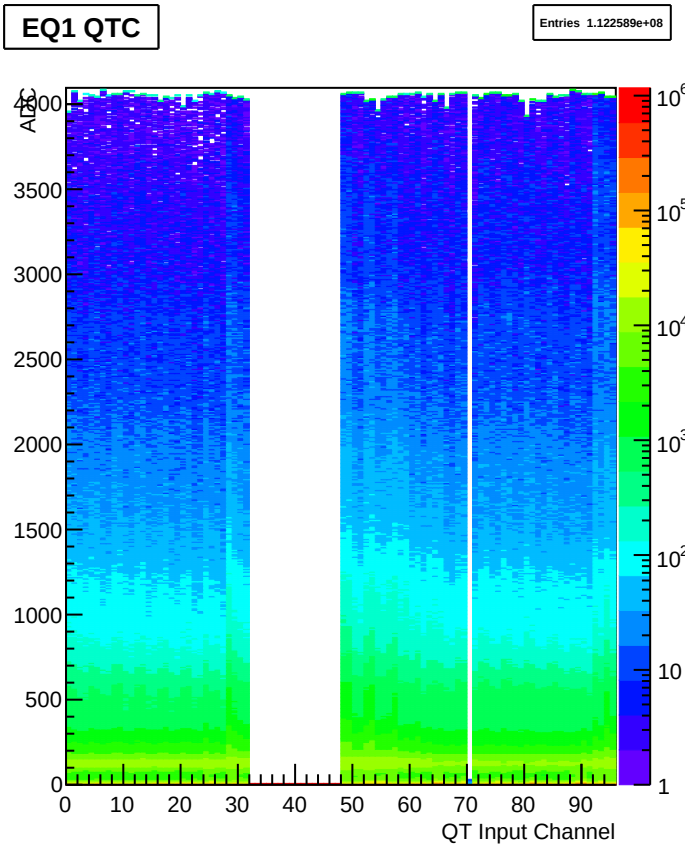

BBQ-VP001 East
Entries 1.870982e+07
TADC
QT Input Channel

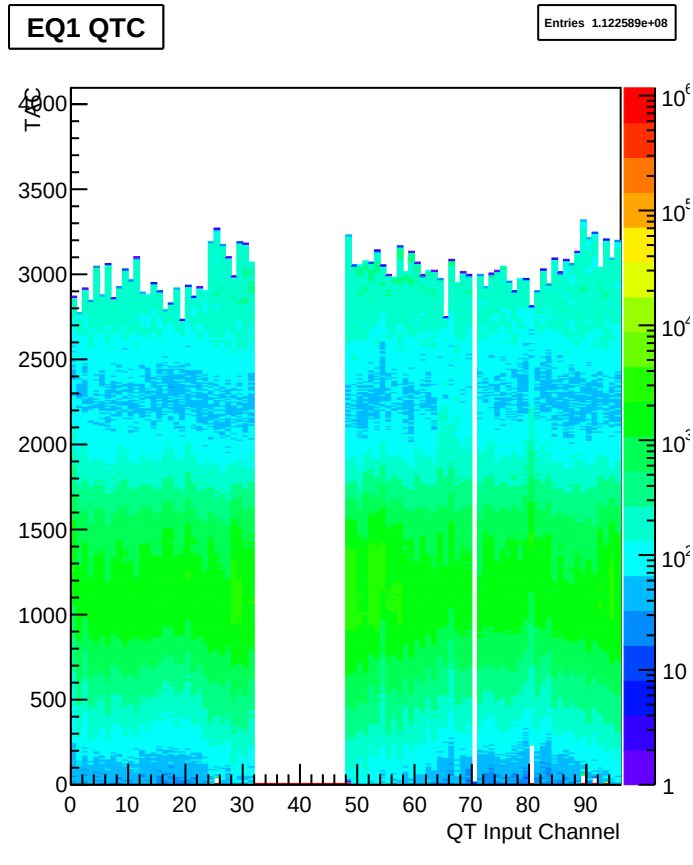

BBQ-VP002 West
Entries 1.870982e+07
ADC
QT Input Channel

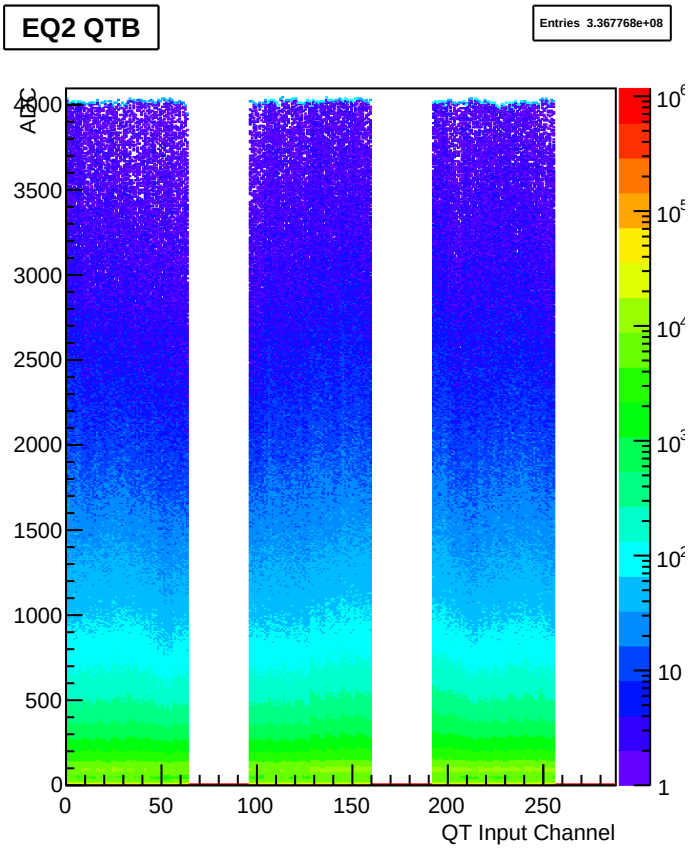

BBQ-VP002 West
Entries 1.870982e+07
TADC
QT Input Channel

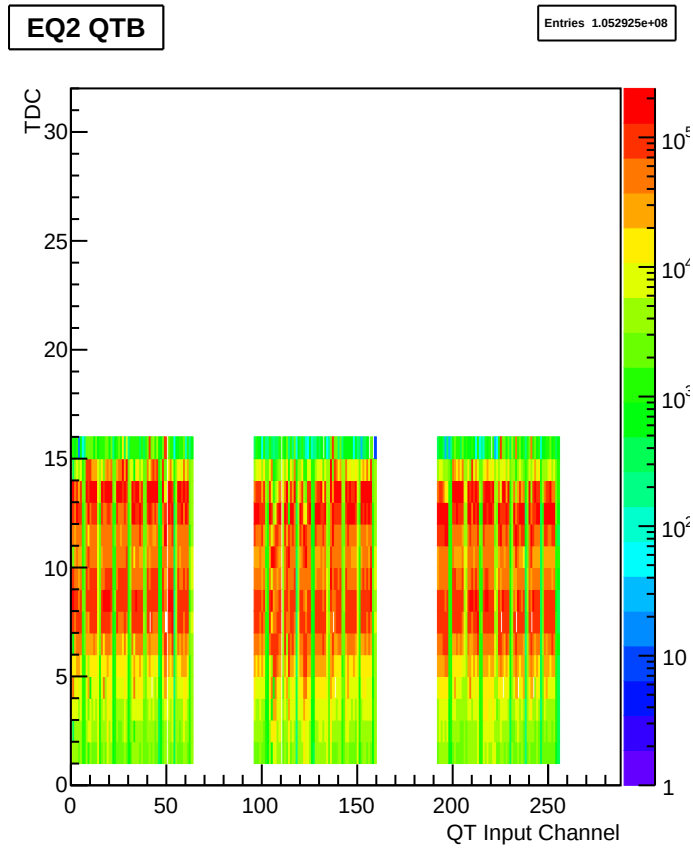

EQ1 QTB
Entries 3.367768e+08
ADC
QT Input Channel

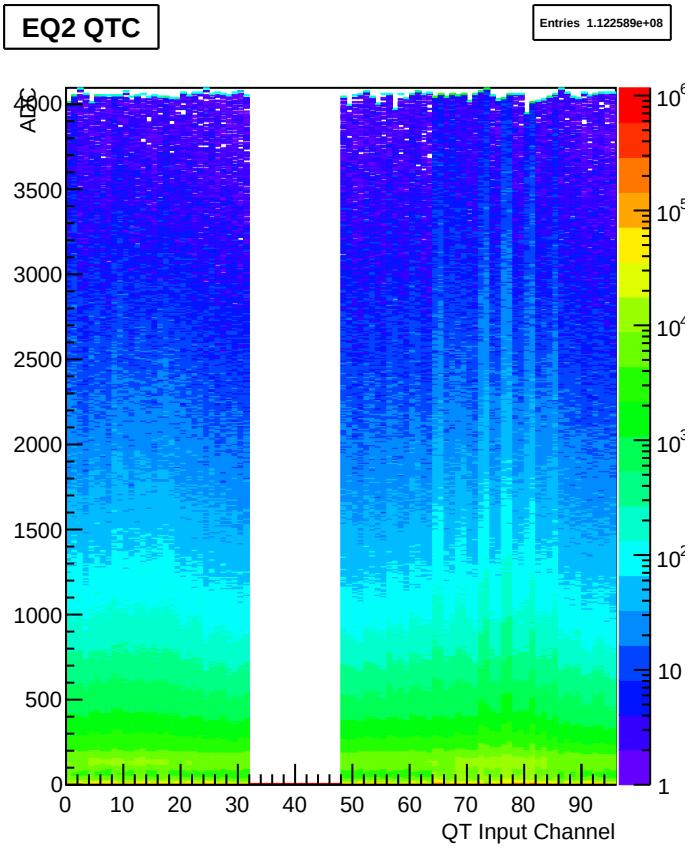

EQ1 QTB
Entries 1.112625e+08
TDC
QT Input Channel

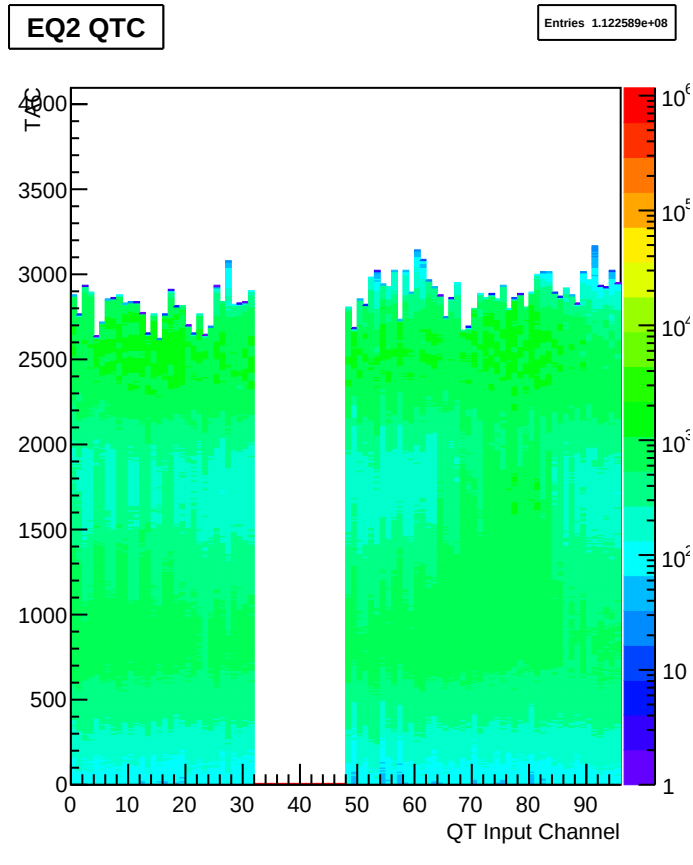

EQ1 QTC
Entries 1.122589e+08
ADC
QT Input Channel

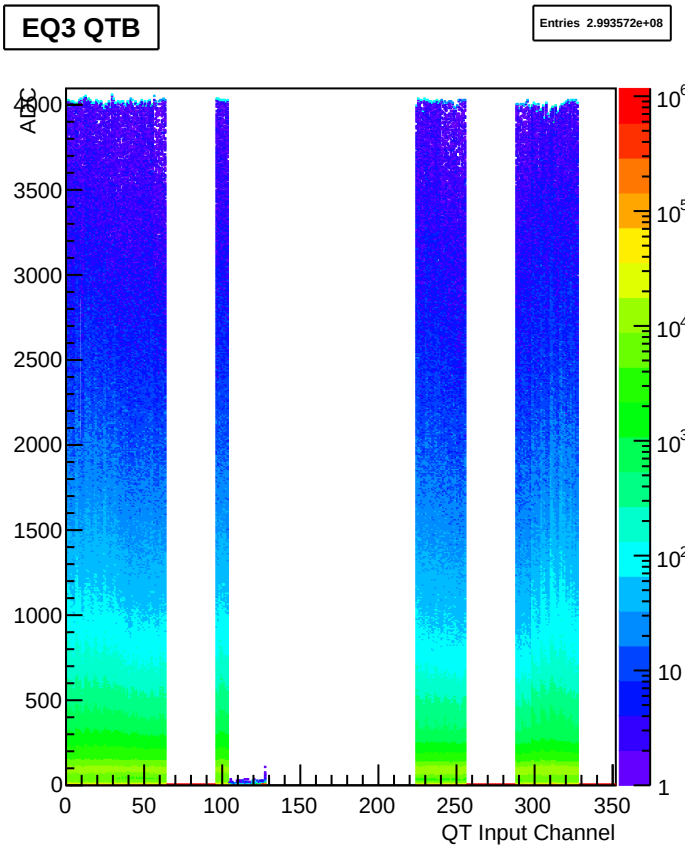

EQ1 QTC
Entries 1.122589e+08
TADC
QT Input Channel

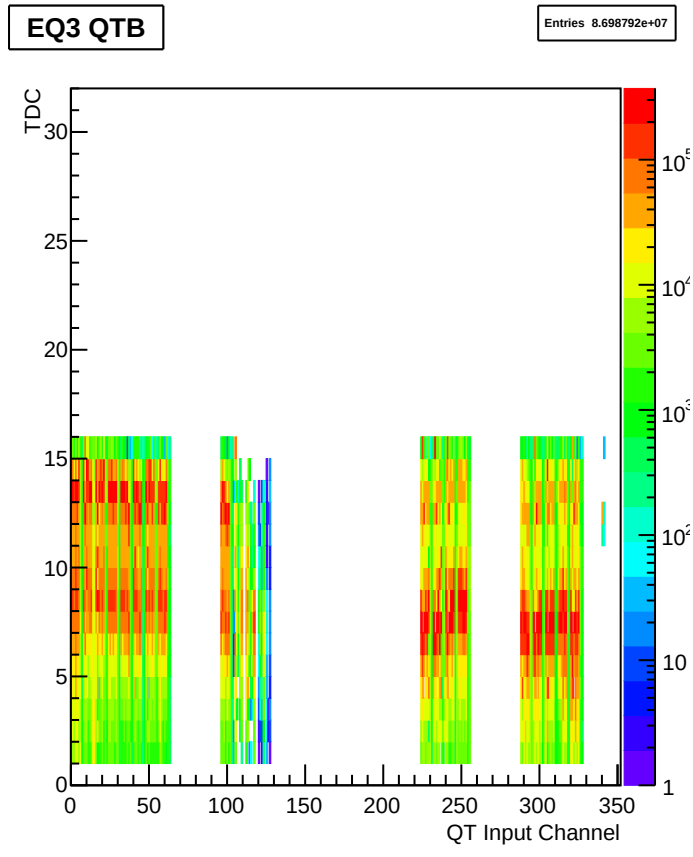

EQ2 QTB
Entries 3.367768e+08
ADC
QT Input Channel

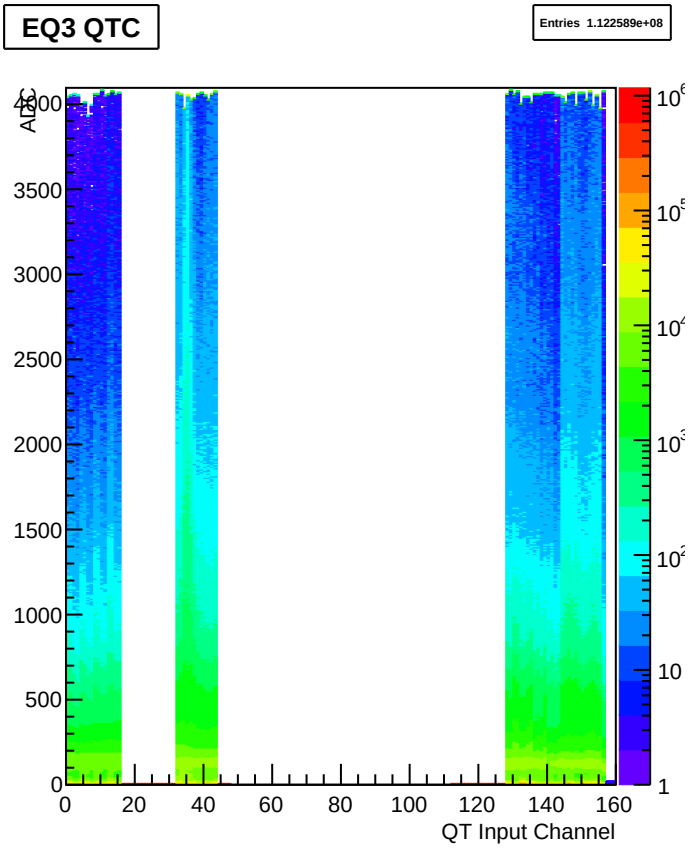

EQ2 QTB
Entries 1.052925e+08
TDC
QT Input Channel

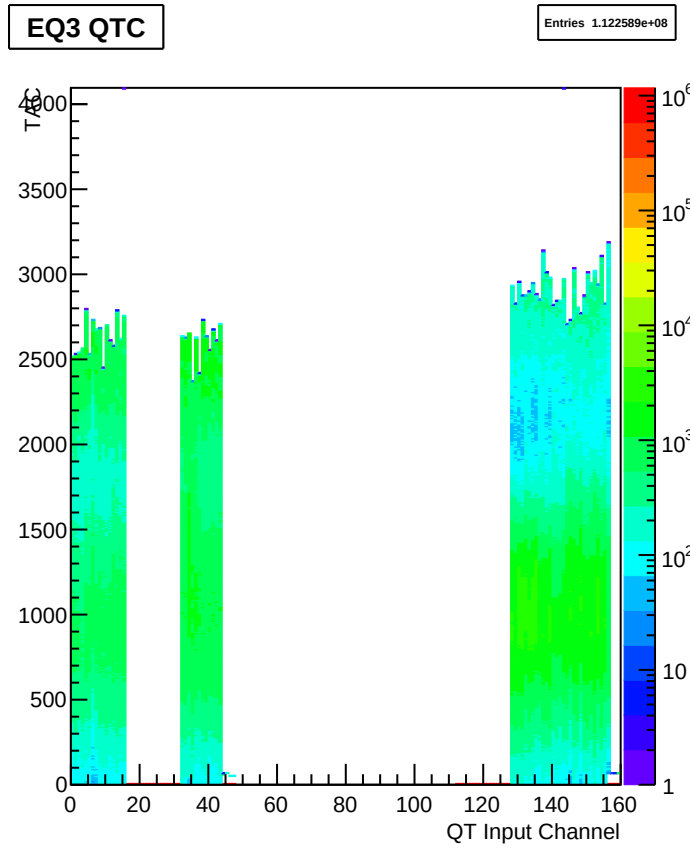

EQ2 QTC
Entries 1.122589e+08
ADC
QT Input Channel

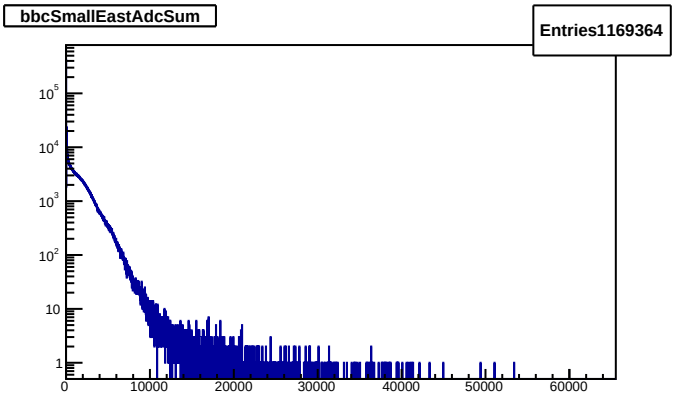

EQ2 QTC
Entries 1.122589e+08
TADC
QT Input Channel

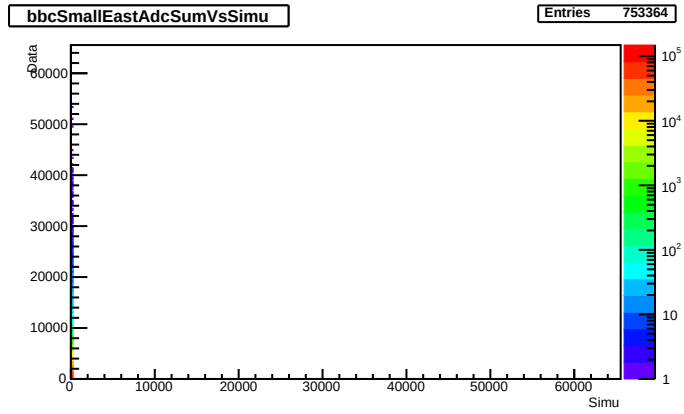

EQ3 QTB
Entries 2.993572e+08
ADC
QT Input Channel


EQ3 QTB
Entries 8.698792e+07
TDC
QT Input Channel


EQ3 QTC
Entries 1.122589e+08
ADC
QT Input Channel


EQ3 QTC
Entries 1.122589e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries1169364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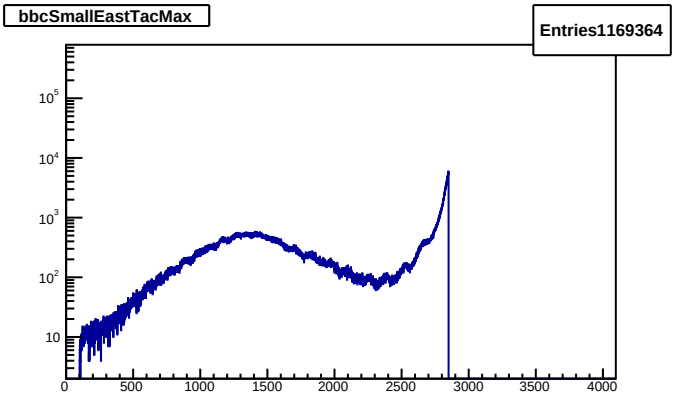
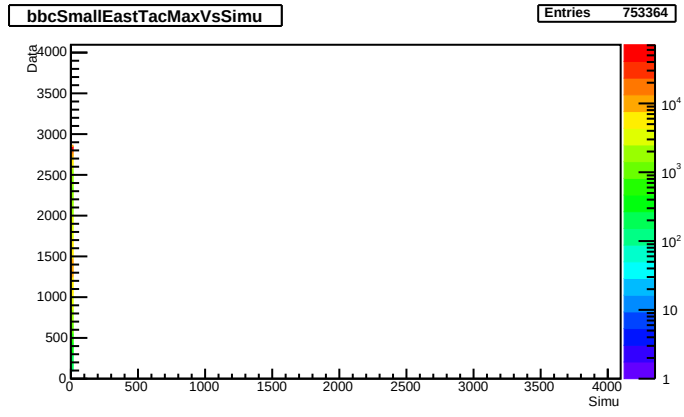
Entries 753364
Data
Simu


bbcSmallEastTacMax
Entries1169364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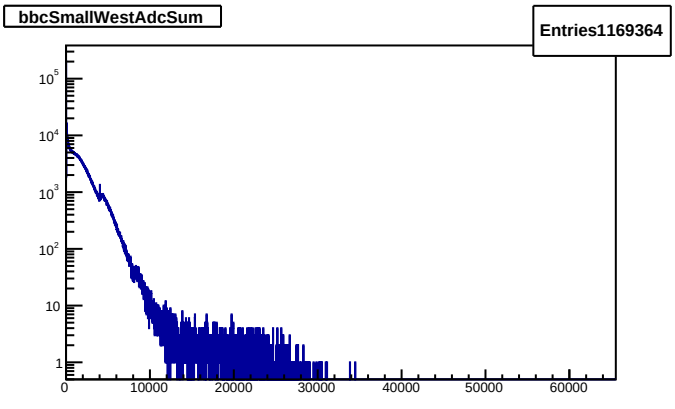
Entries 753364
Data
Simu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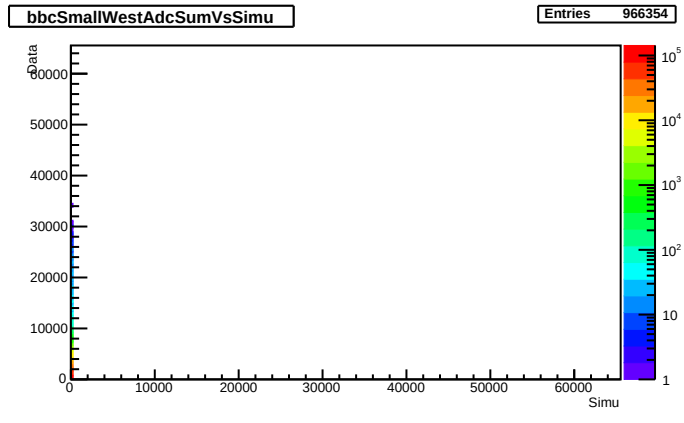
Entries1169364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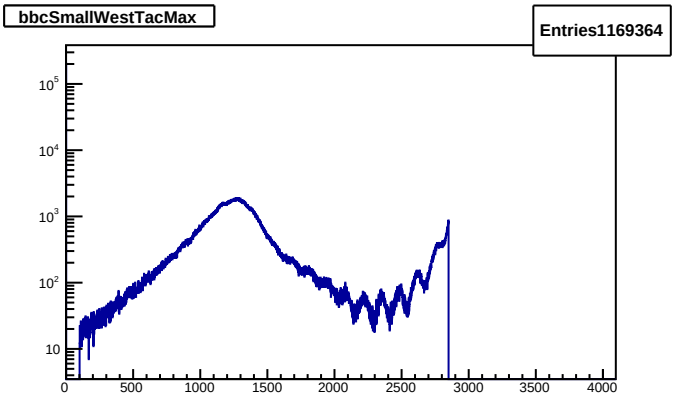
Entries 966354
Data
Simu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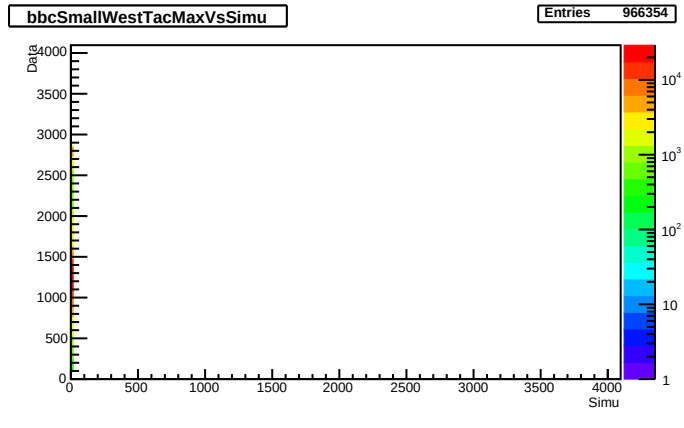
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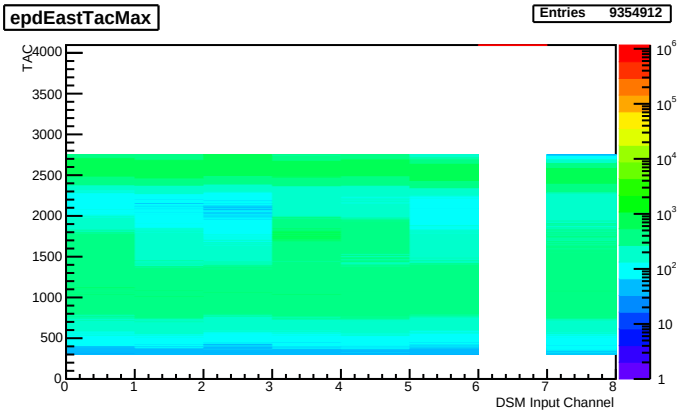
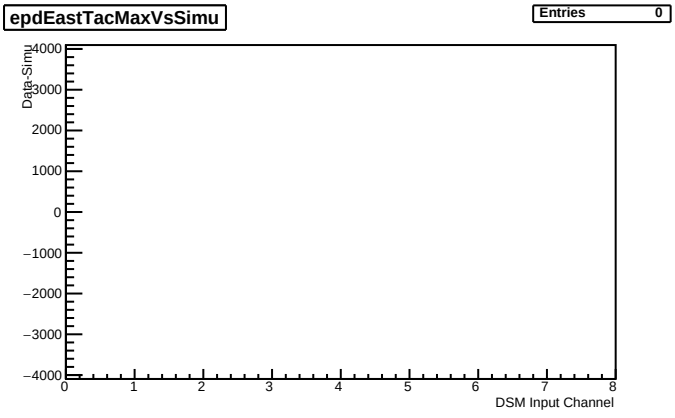
Entries 966354
Data
Simu


epdEastTacMax
Entries 9354912
TAC
DSM Input Channel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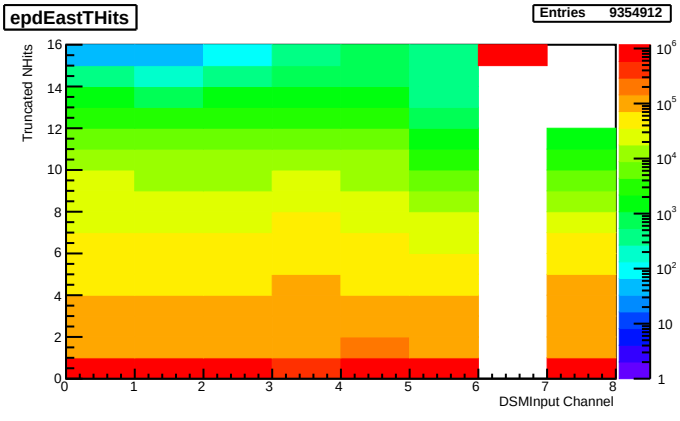
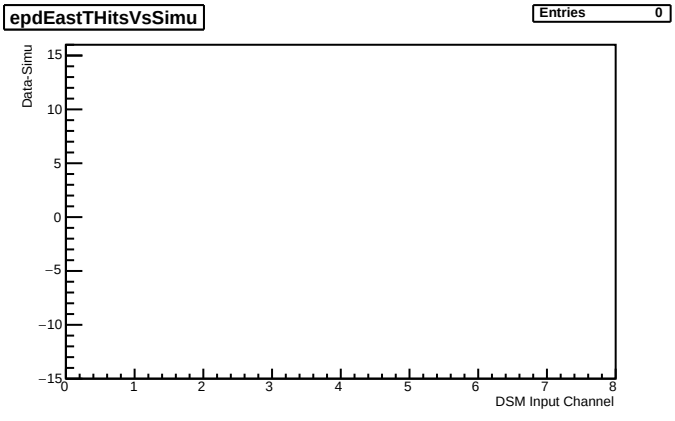
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 9354912
Truncated NHits
DSMInput Channel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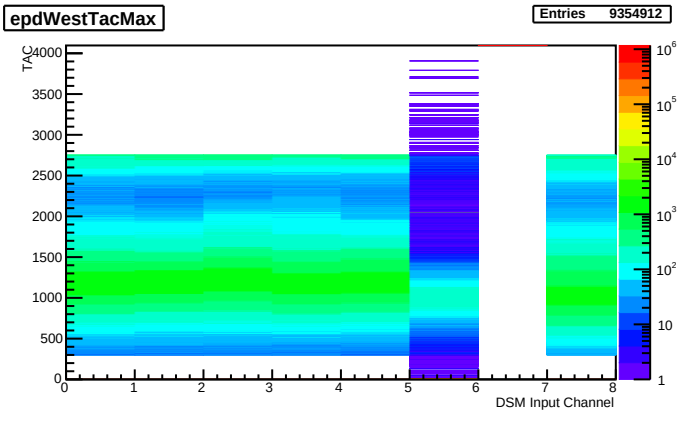
Data-Simu
DSM Input Channel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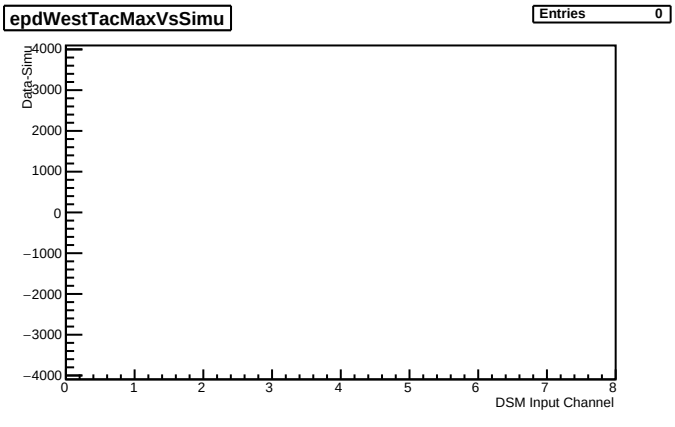
Entries 9354912
TAC
DSM Input Channel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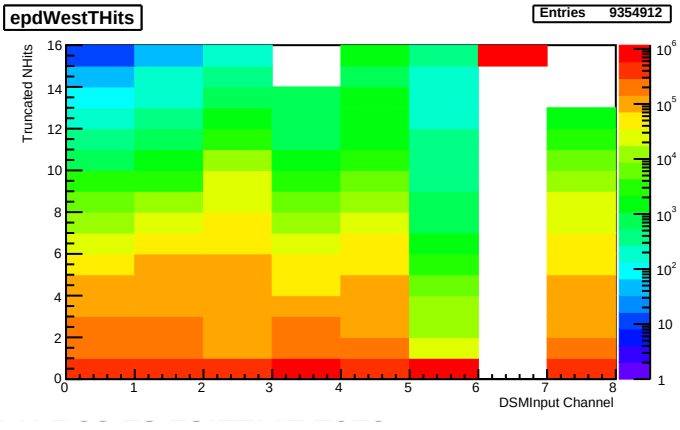
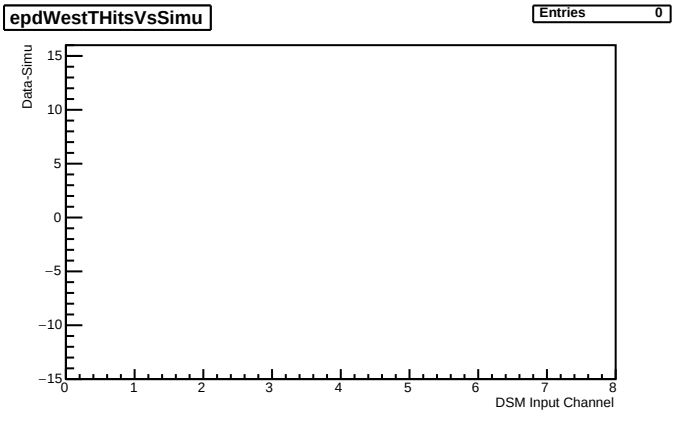
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 9354912
Truncated NHits
DSMInput Channel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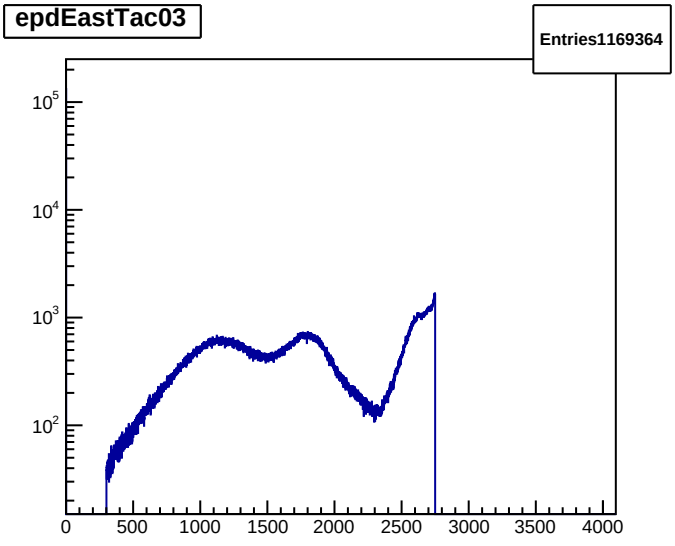
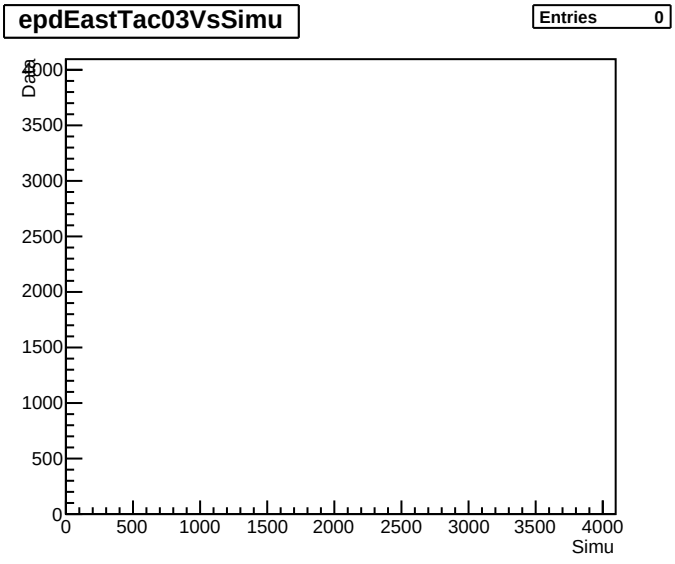
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries1169364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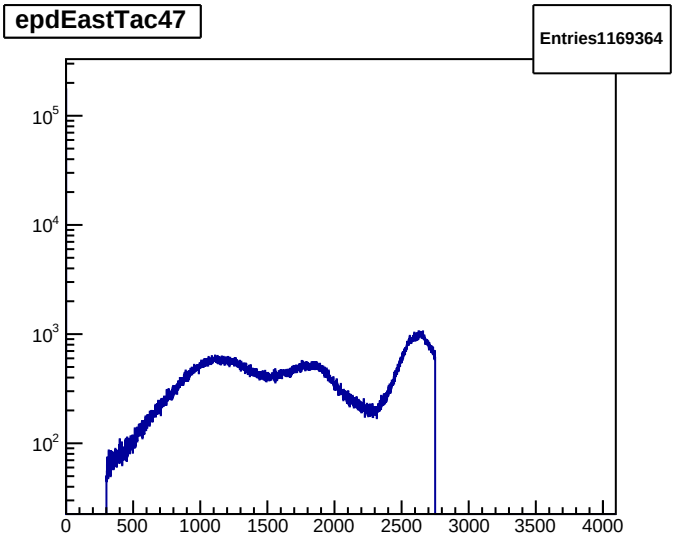
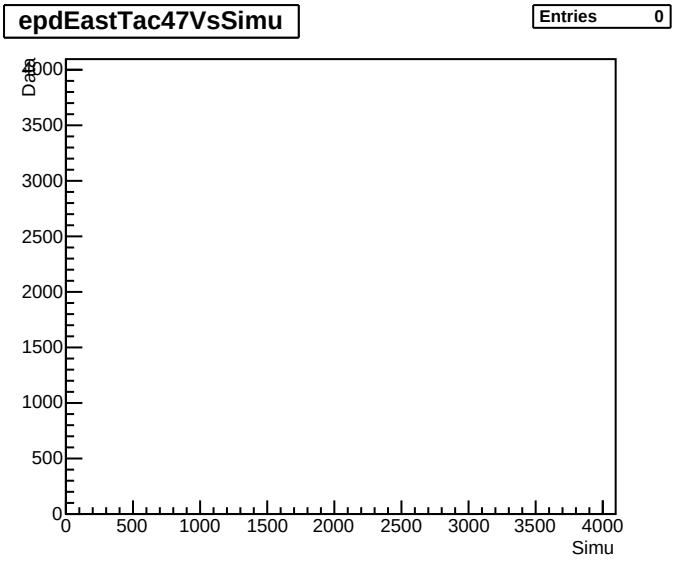
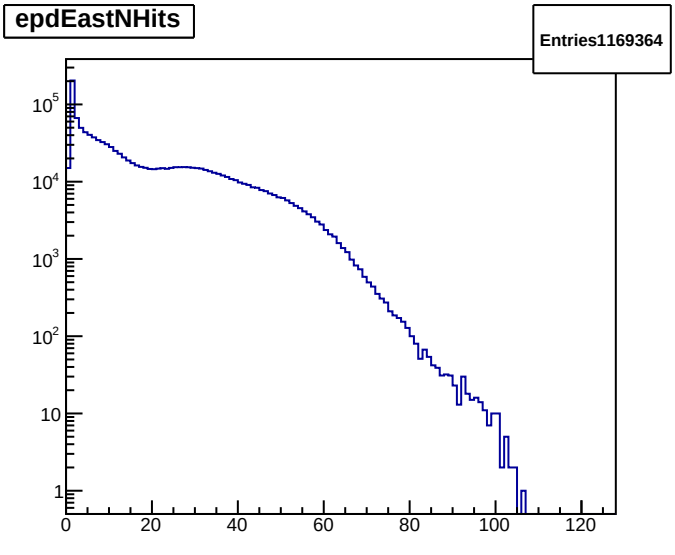
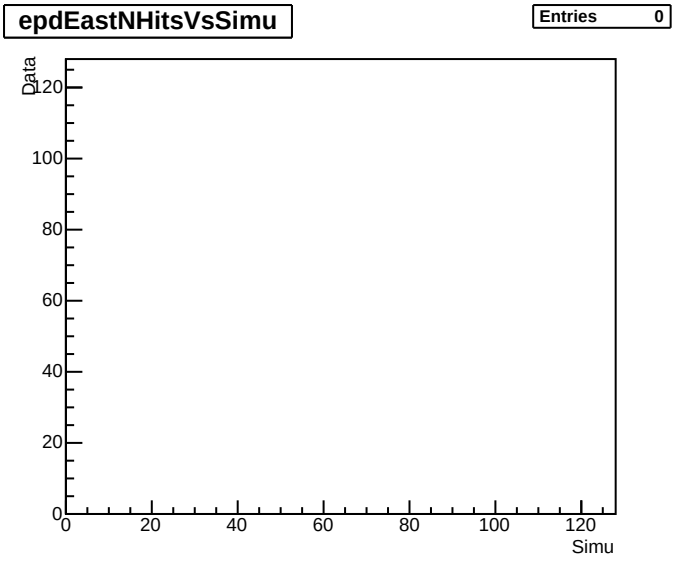
Entries 0
Data
Simu


epdEastTac47
Entries1169364


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries1169364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Entries 0
Data
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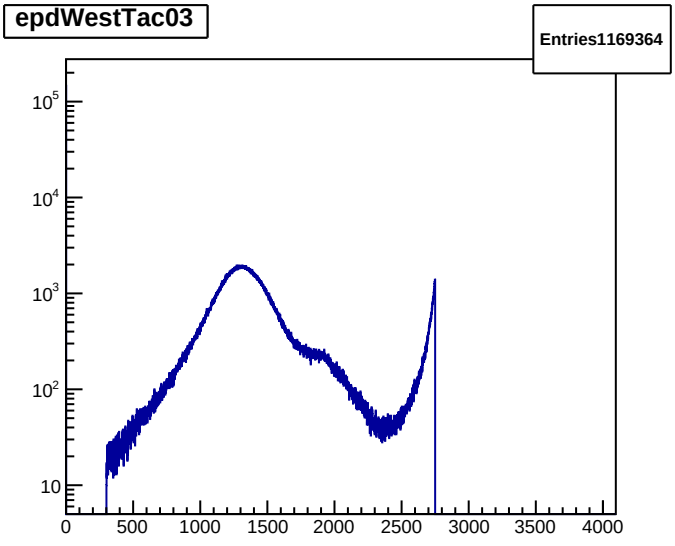
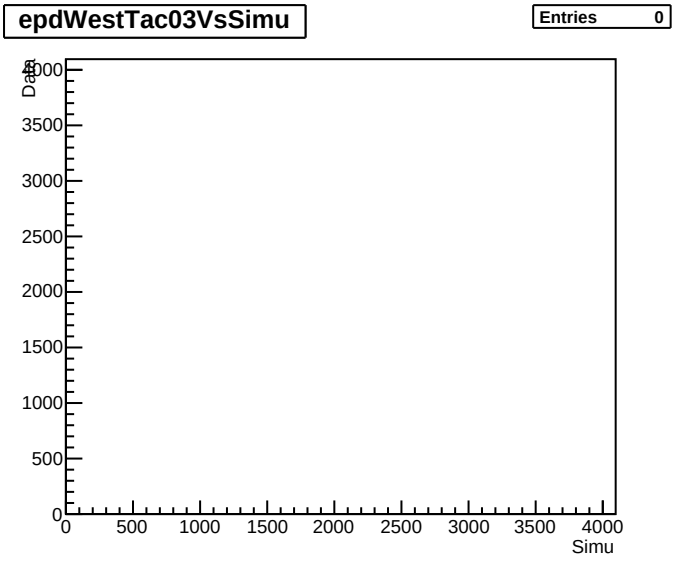

epdWestTac03
Entries1169364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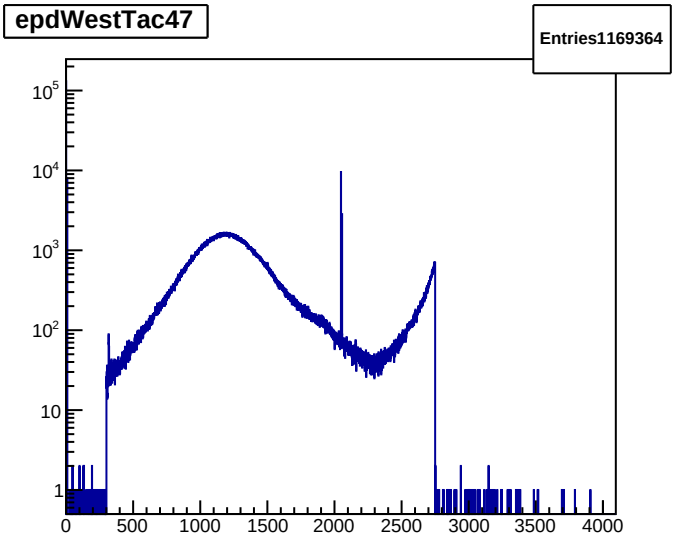
Entries 0
Data
Simu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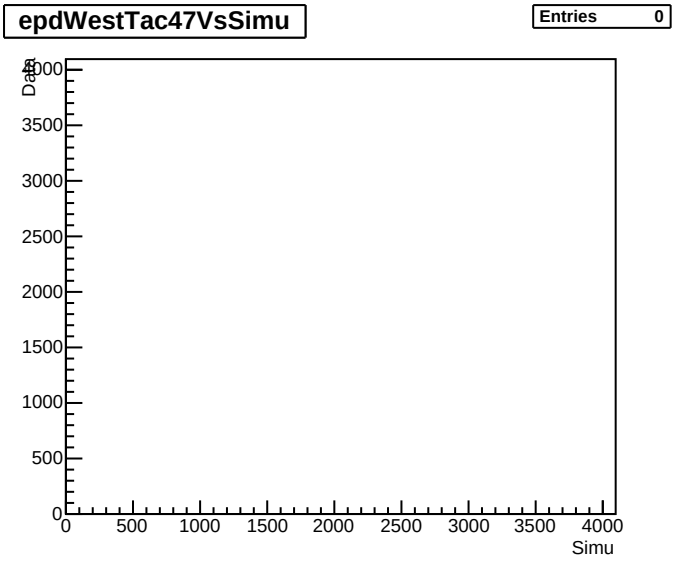
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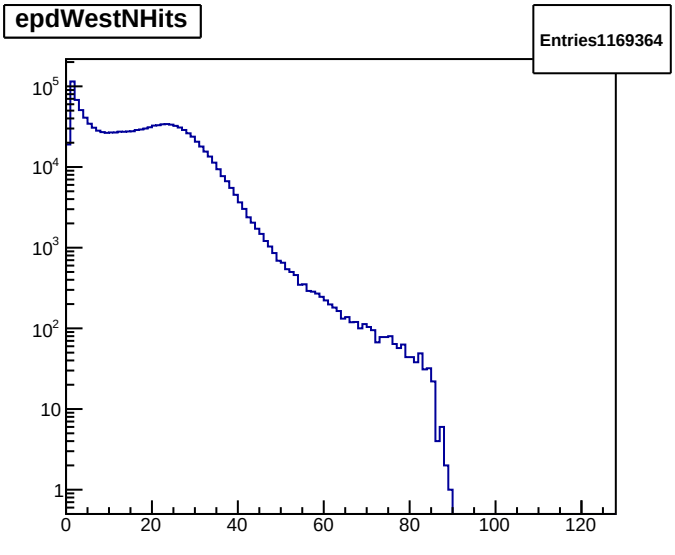
Entries 0
Data
Simu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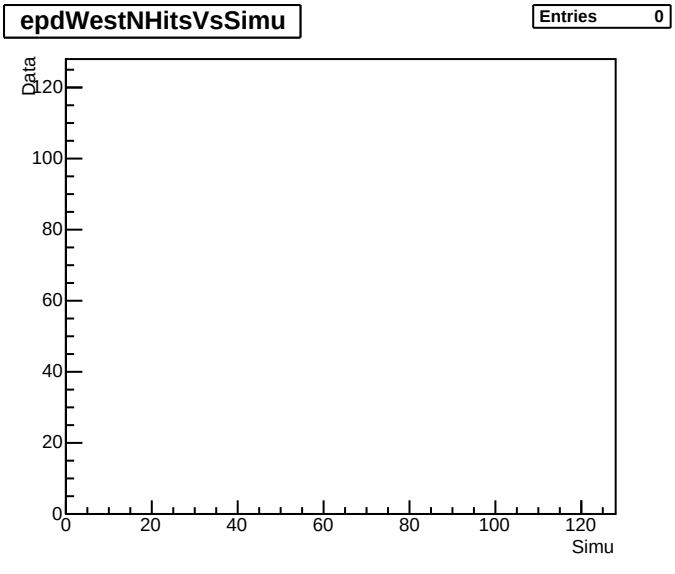
Entries1169364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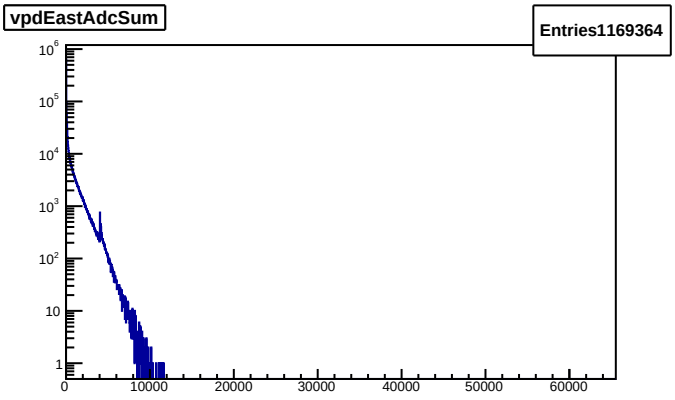
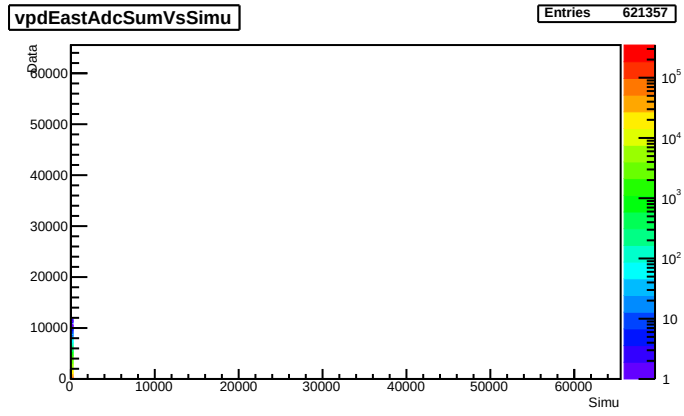
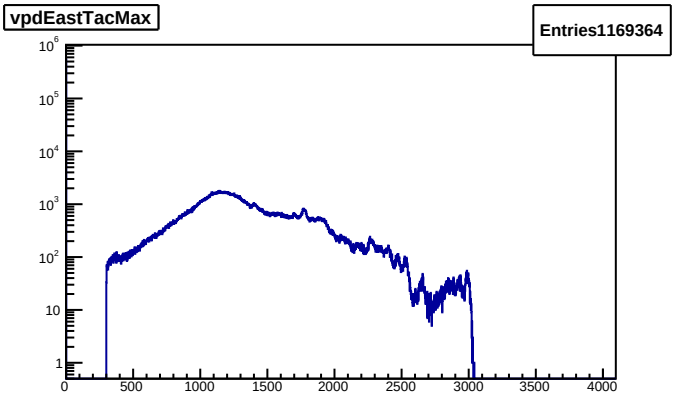
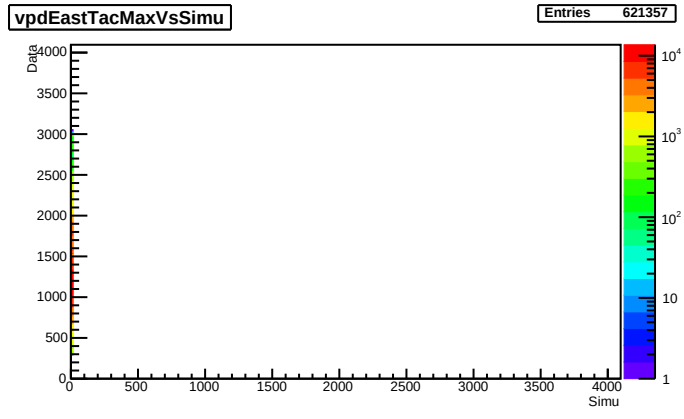
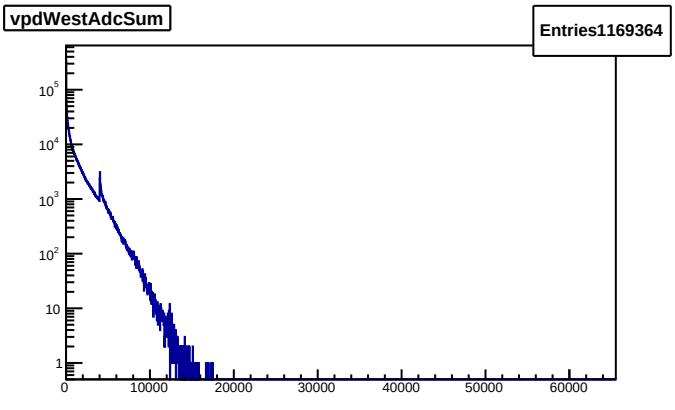
Entries 0
Data
Simu


vpdEastAdcSum
Entries1169364


vpdEastAdcSumVsSimu
Entries 621357
Data
Simu


vpdEastTacMax
Entries1169364


vpdEastTacMaxVsSimu
Entries 621357
Data
Simu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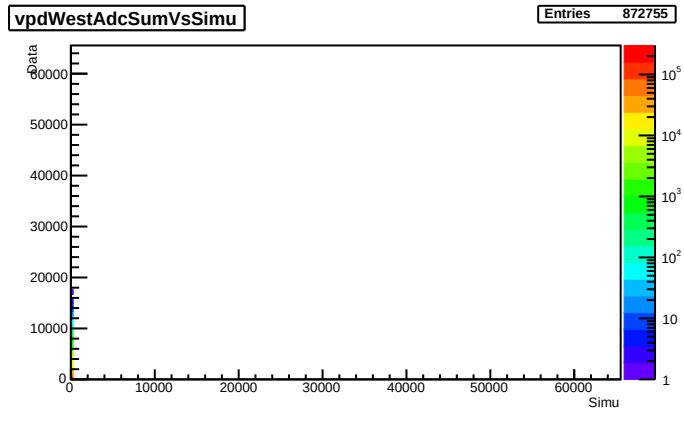
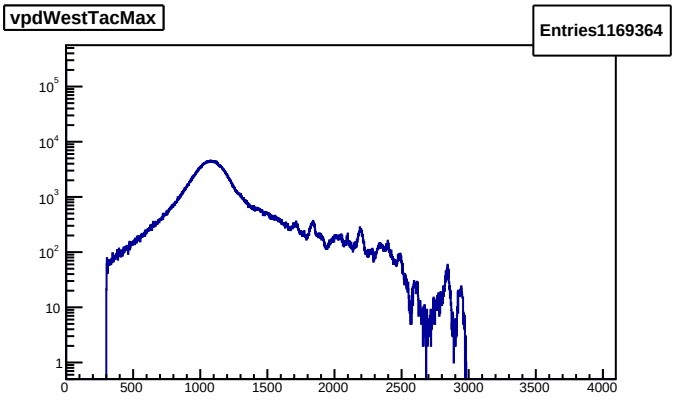
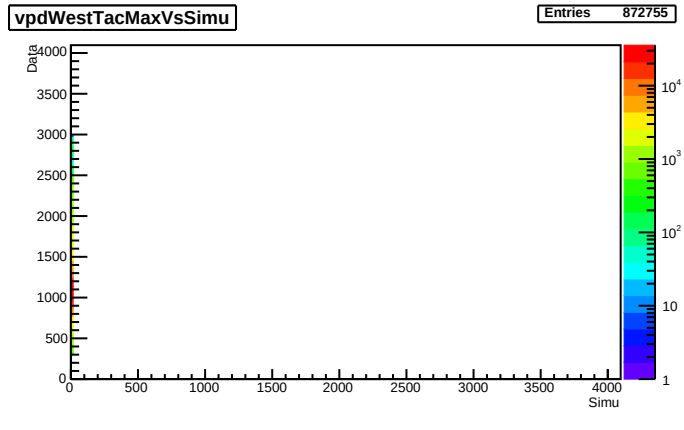
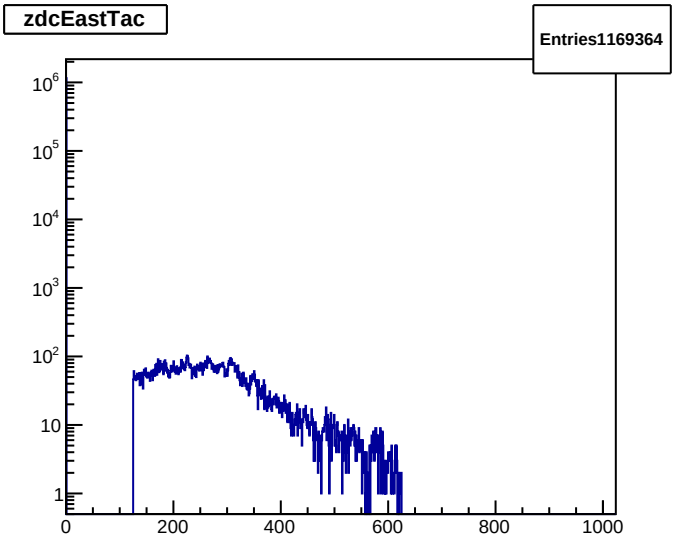
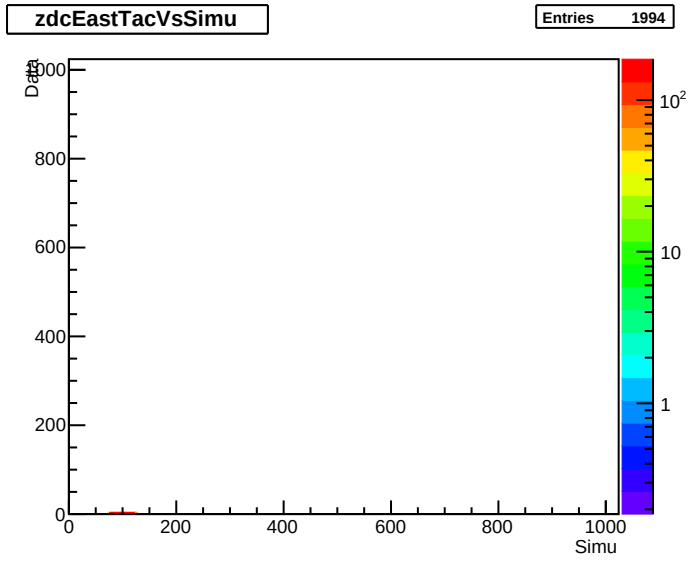
Entries1169364

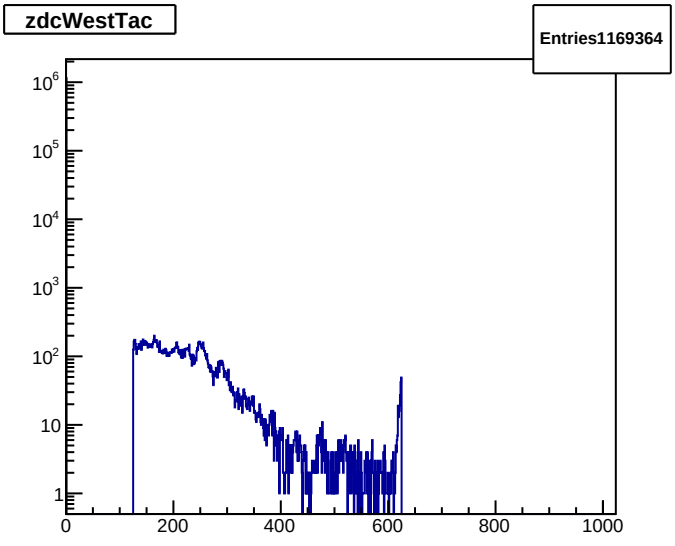

vpdWestAdcSumVsSimu
Entries 872755
Data
Simu

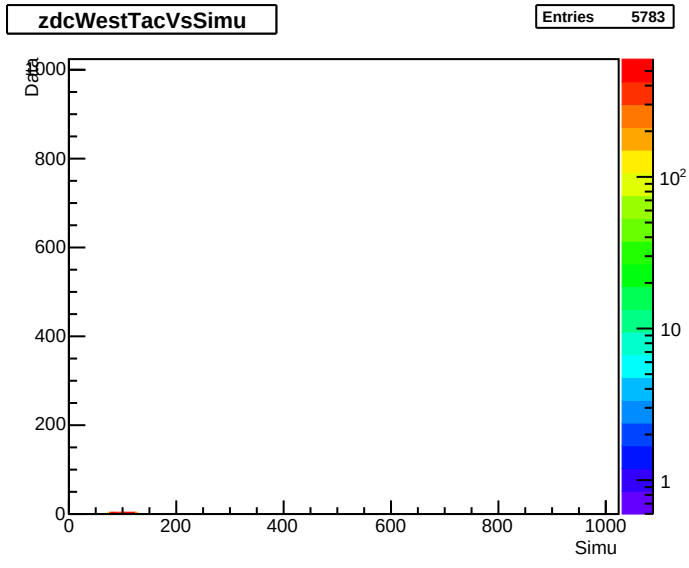

vpdWestTacMax
Entries1169364

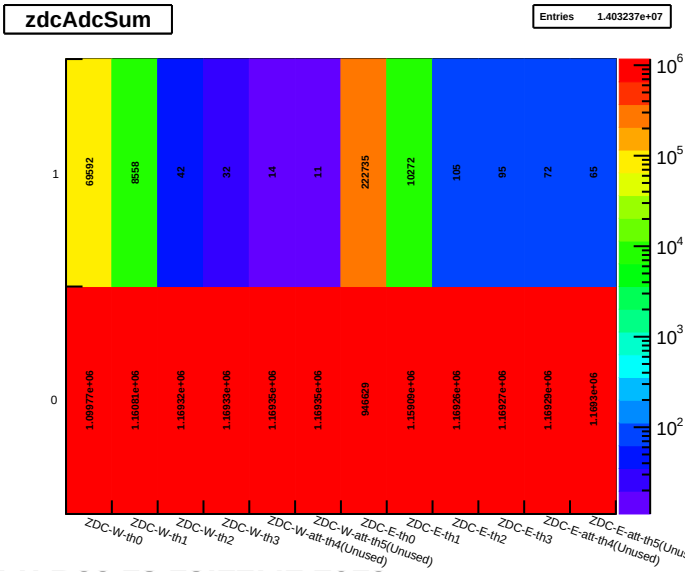

vpdWestTacMaxVsSimu
Entries 872755
Data
Simu

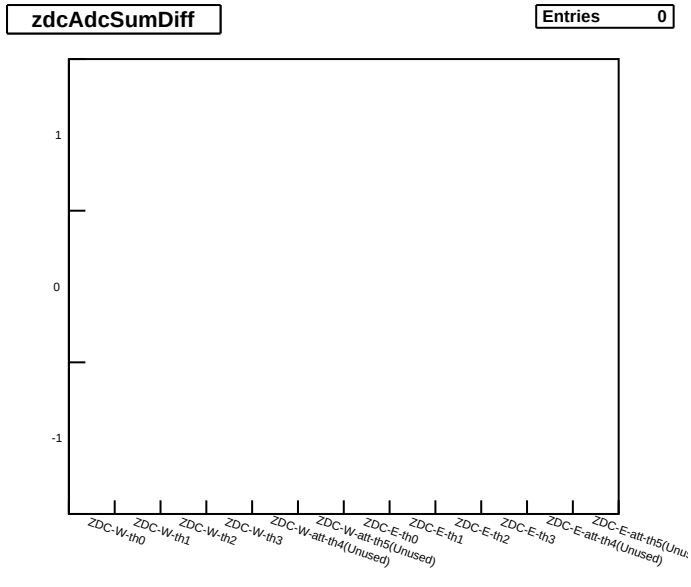

zdcEastTac
Entries1169364

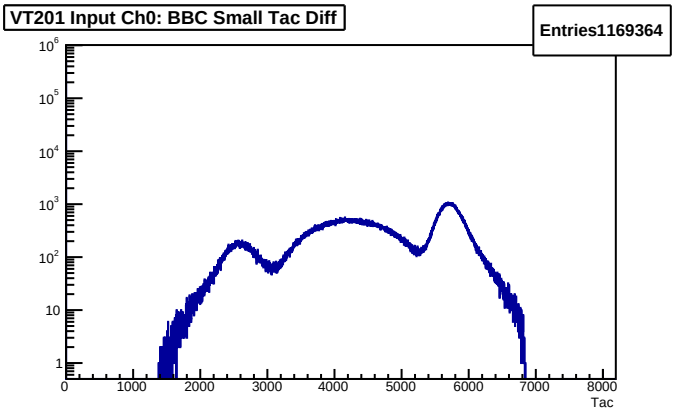

zdcEastTacVsSimu
Entries 1994
Data
Simu

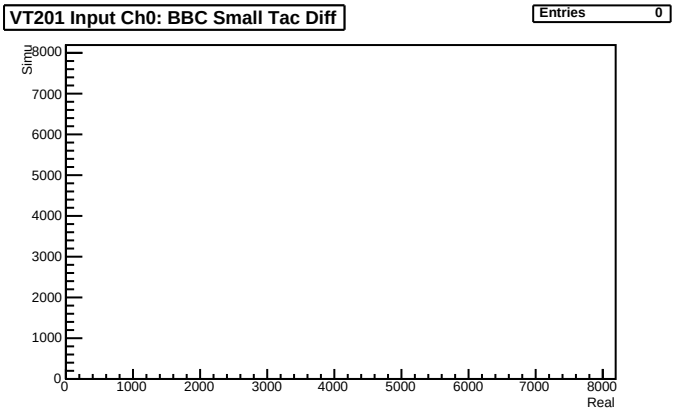

zdcWestTac
Entries1169364

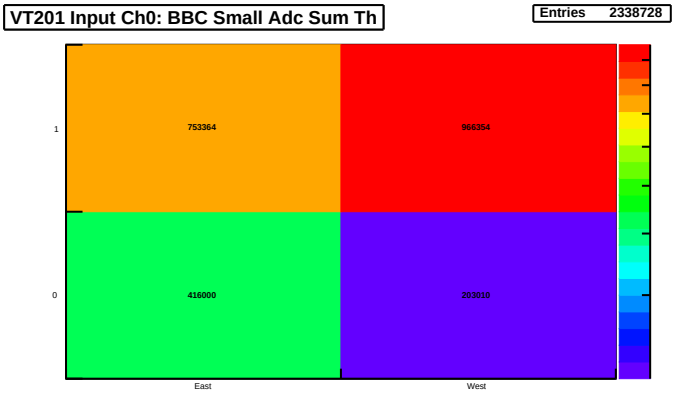

zdcWestTacVsSimu
Entries 5783
Data
Simu

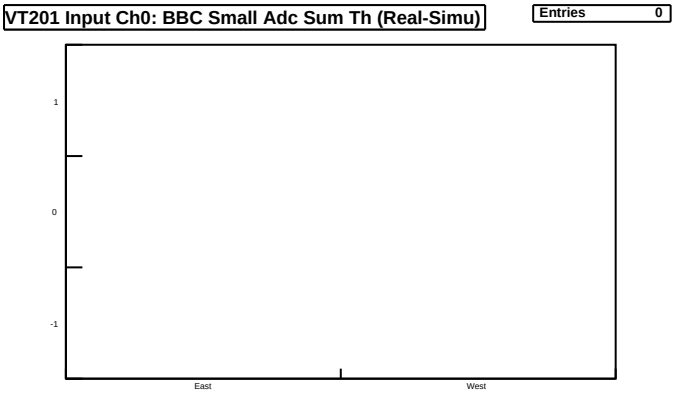

zdcAdcSum
Entries 1.403237e+07
69592
8558
42
32
14
11
22735
10272
105
95
72
65
1.0997e+06
1.16081e+06
1.16932e+06
1.16933e+06
1.16935e+06
1.16935e+06
946620
1.15900e+06
1.16926e+06
1.16927e+06
1.16929e+06
1.11693e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

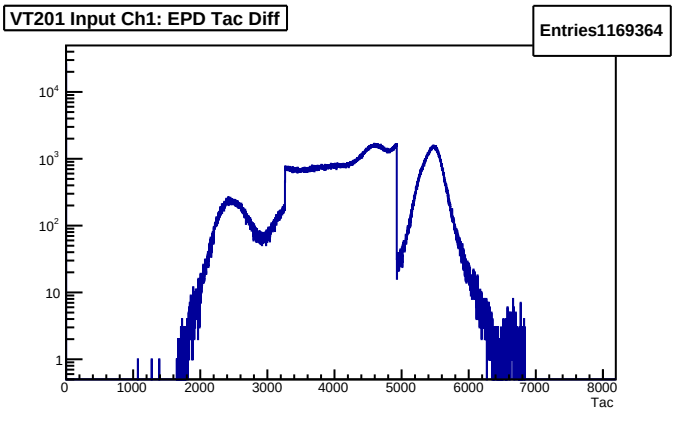

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

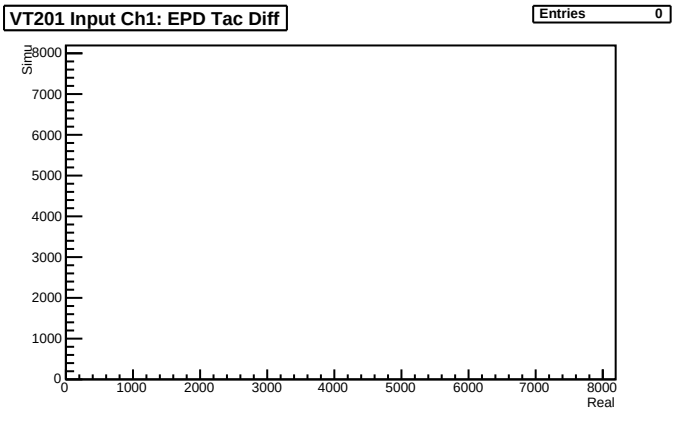

VT201 Input Ch0: BBC Small Tac Diff
Entries1169364
Tac

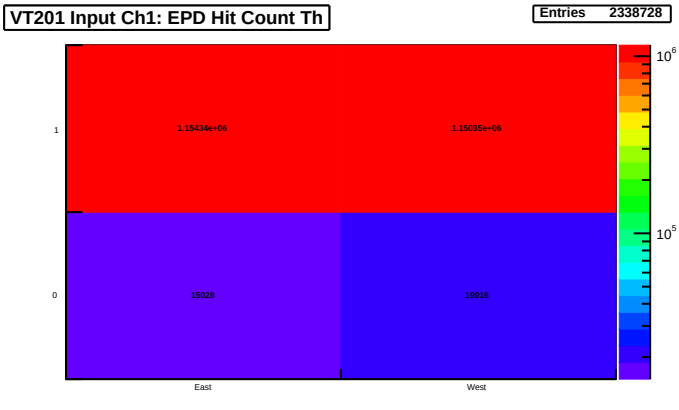

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

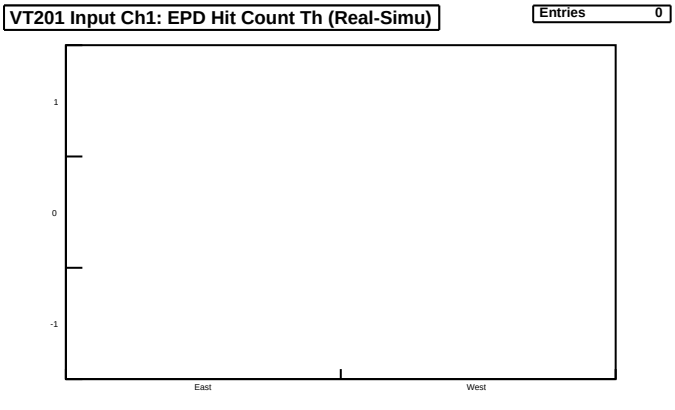

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 2338728
753364
966354
416000
203010
East
West

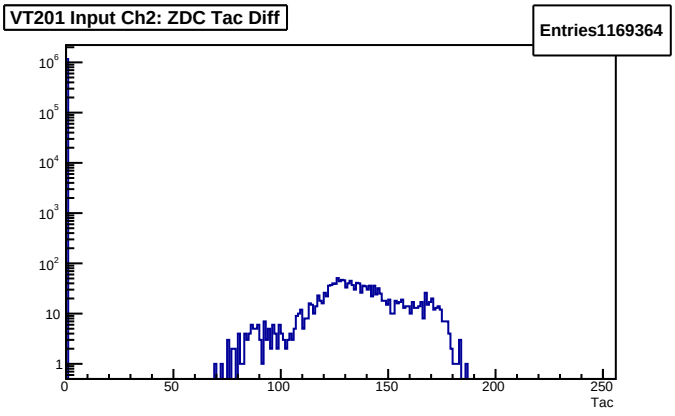

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

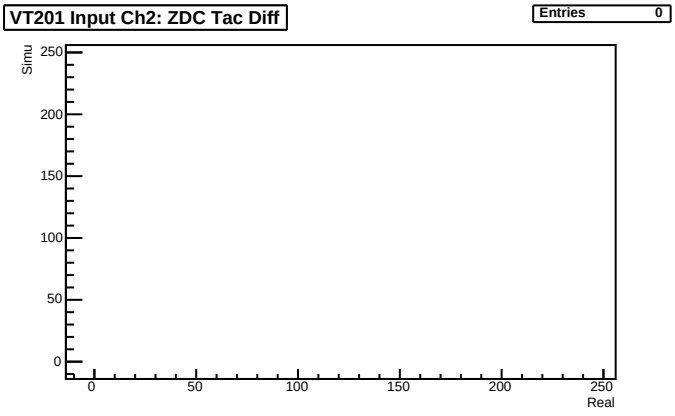

VT201 Input Ch1: EPD Tac Diff
Entries1169364
Tac

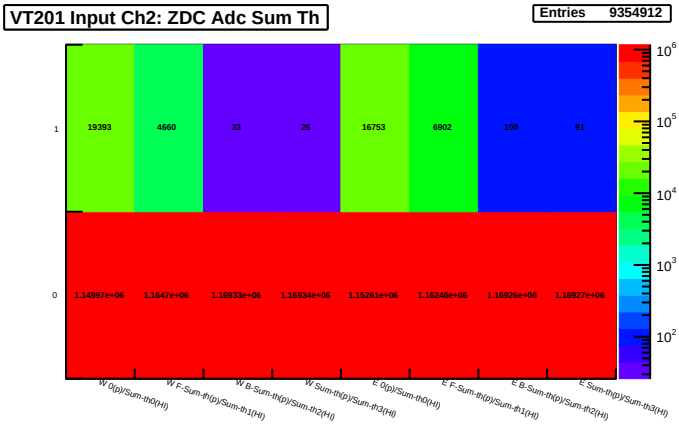

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

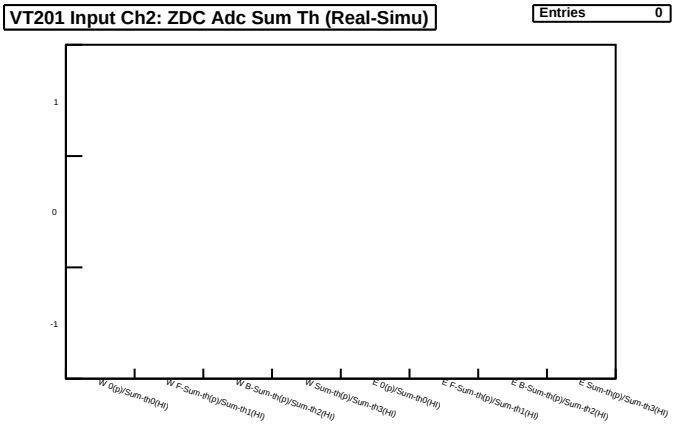

VT201 Input Ch1: EPD Hit Count Th
Entries 2338728
1.15434e+06
1.15035e+06
15028
19016
East
West

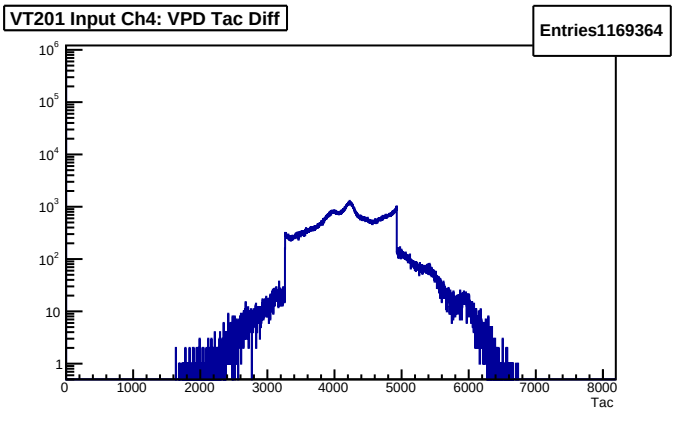

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

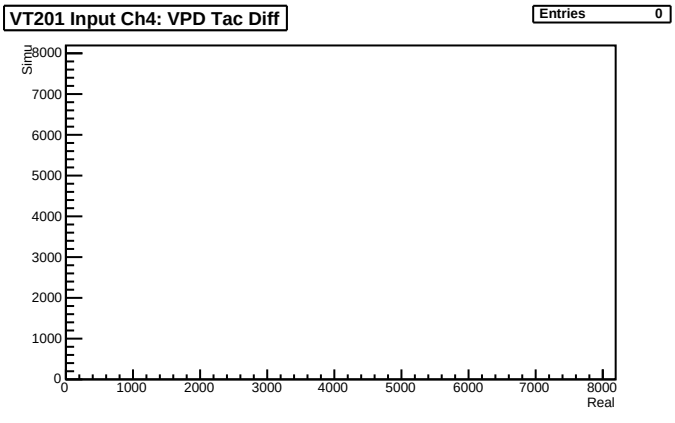

VT201 Input Ch2: ZDC Tac Diff
Entries1169364
Tac

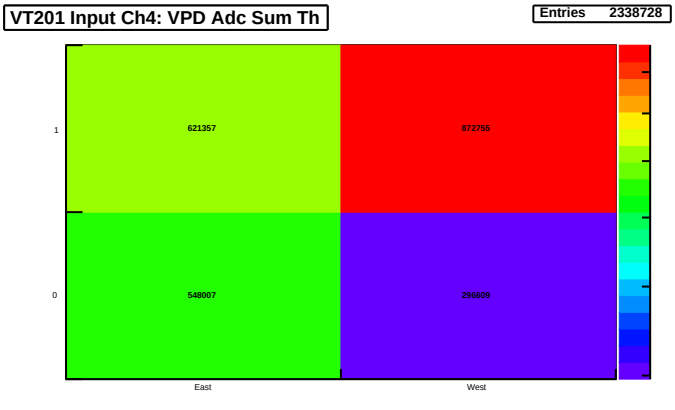

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

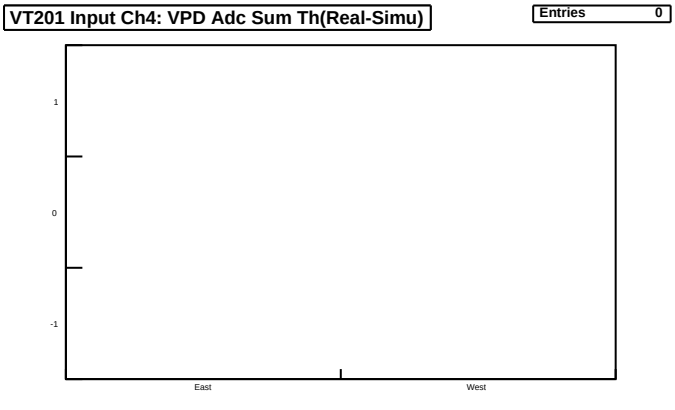

VT201 Input Ch2: ZDC Adc Sum Th
Entries 9354912
19393
4660
33
26
16753
6902
100
91
1.14997e+06
1.1647e+06
1.16933e+06
1.16934e+06
1.15261e+06
1.16246e+06
1.16926e+06
1.16927e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

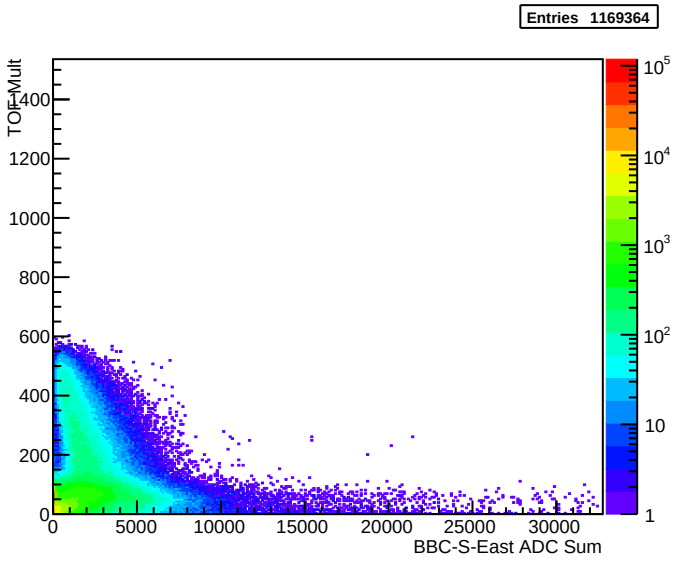

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

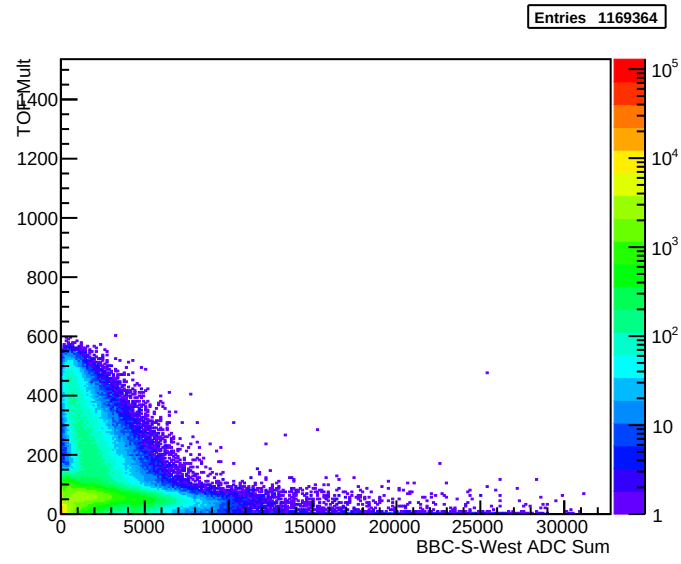

VT201 Input Ch4: VPD Tac Diff
Entries1169364
Tac

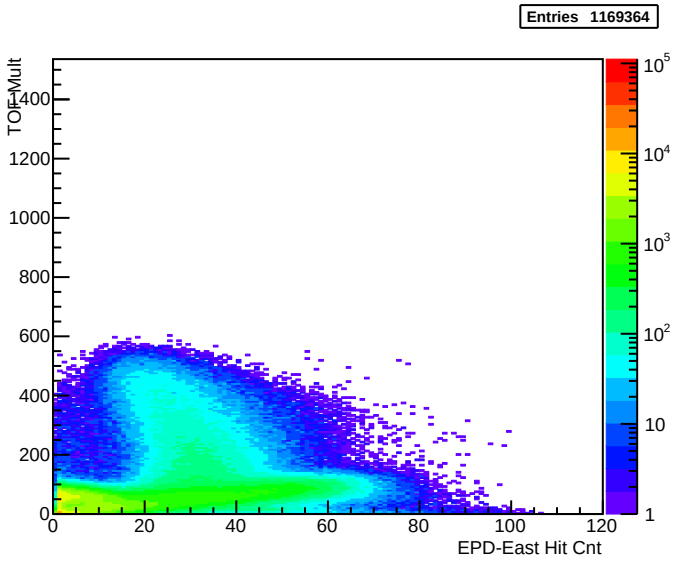

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

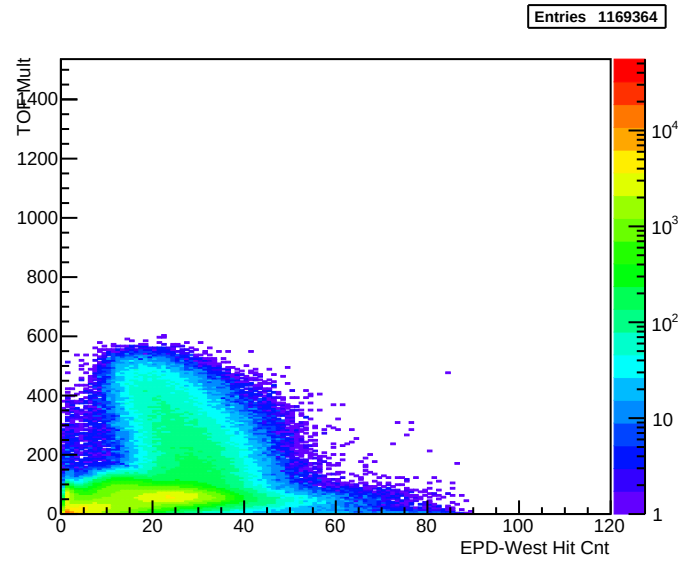

VT201 Input Ch4: VPD Adc Sum Th
Entries 2338728
621357
872755
548007
296609
East
West

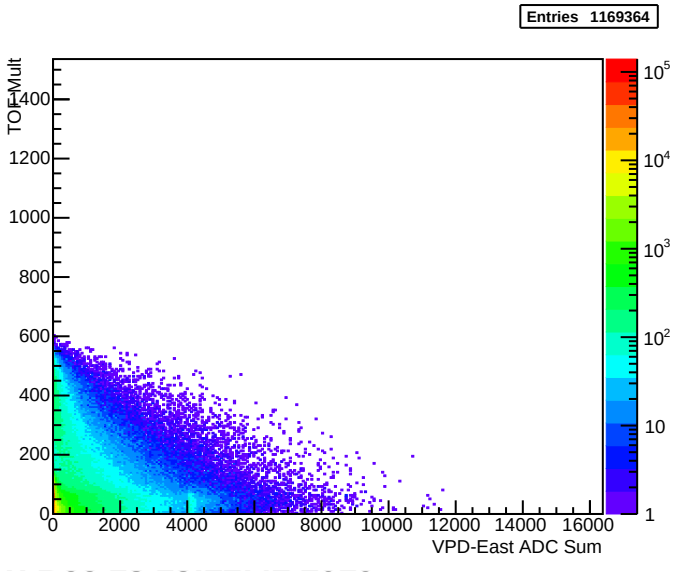

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

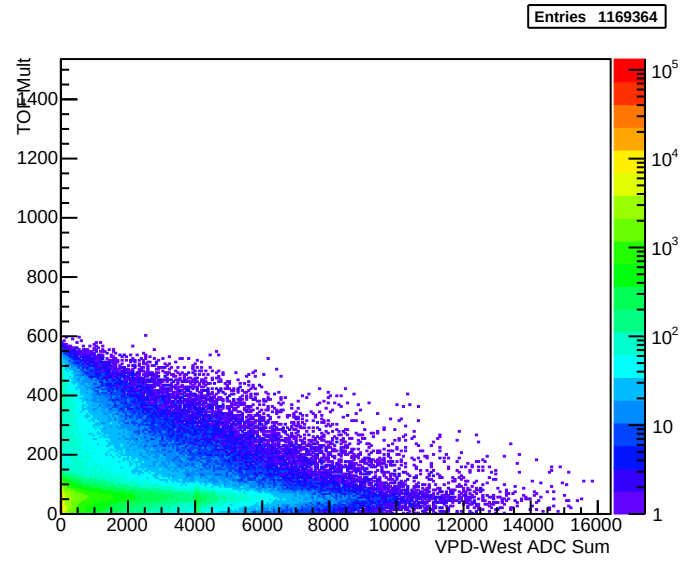

Entries 1169364
TOF-Mult
BBC-S-East ADC Sum

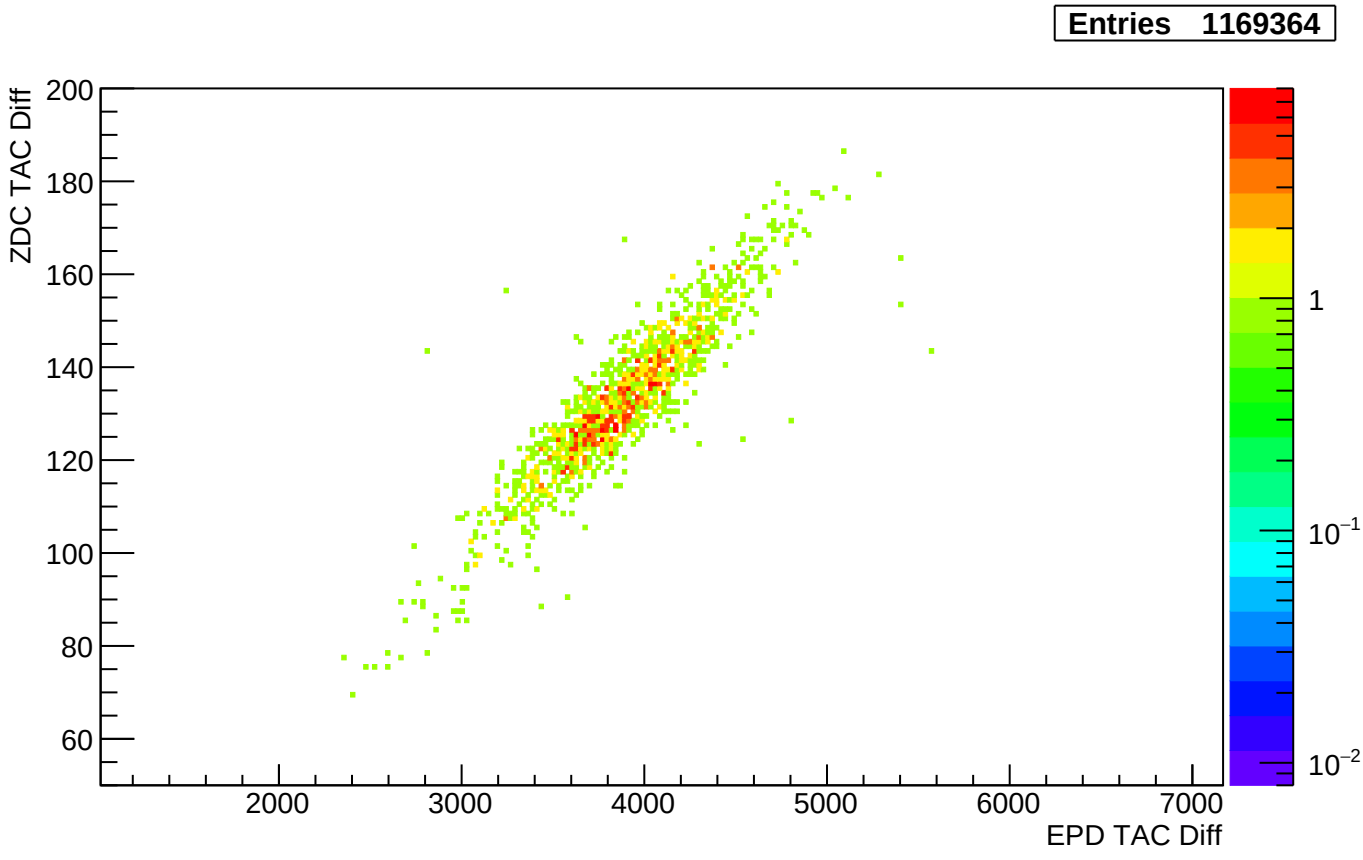

Entries 1169364
TOF-Mult
BBC-S-West ADC Sum

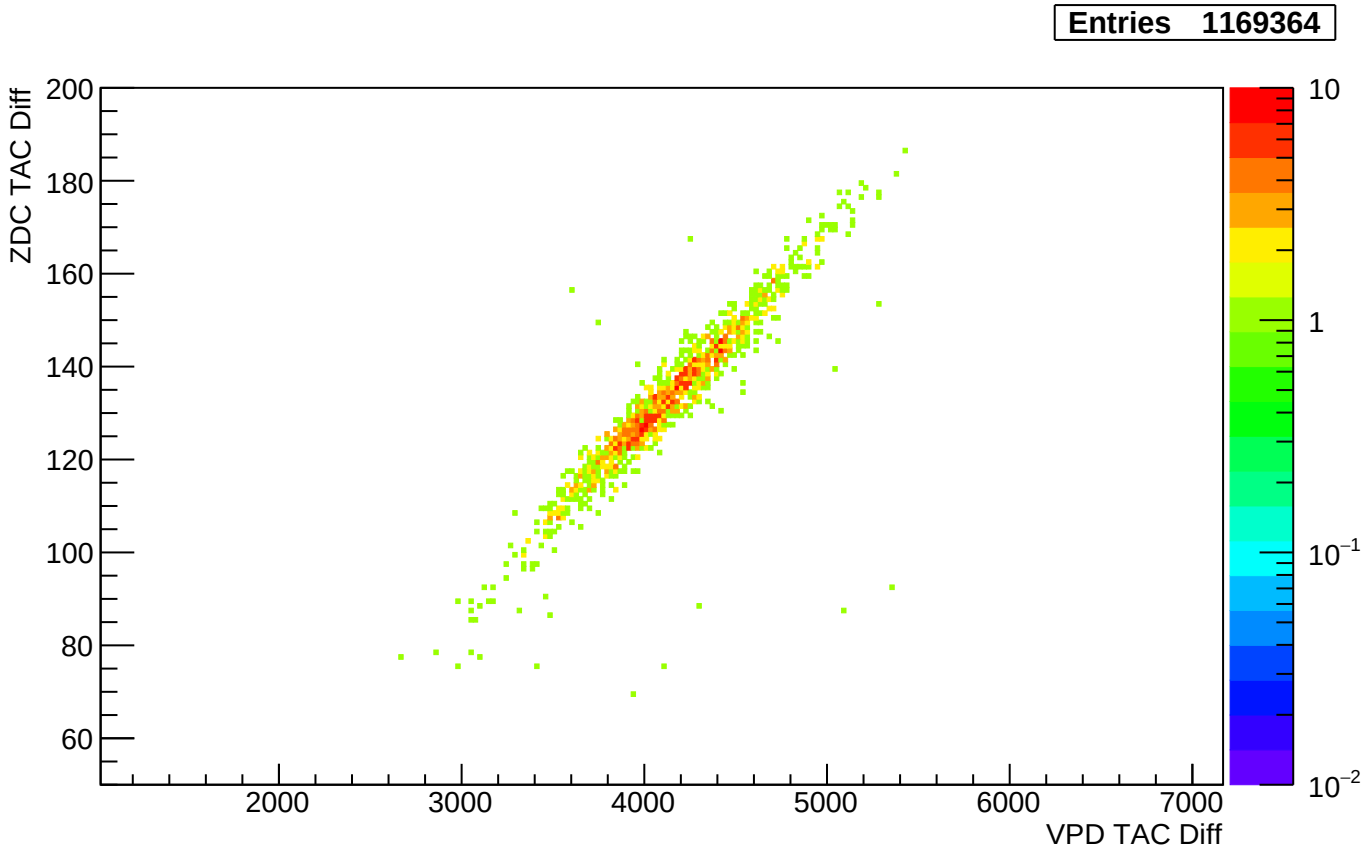

Entries 1169364
TOF-Mult
EPD-East Hit Cnt

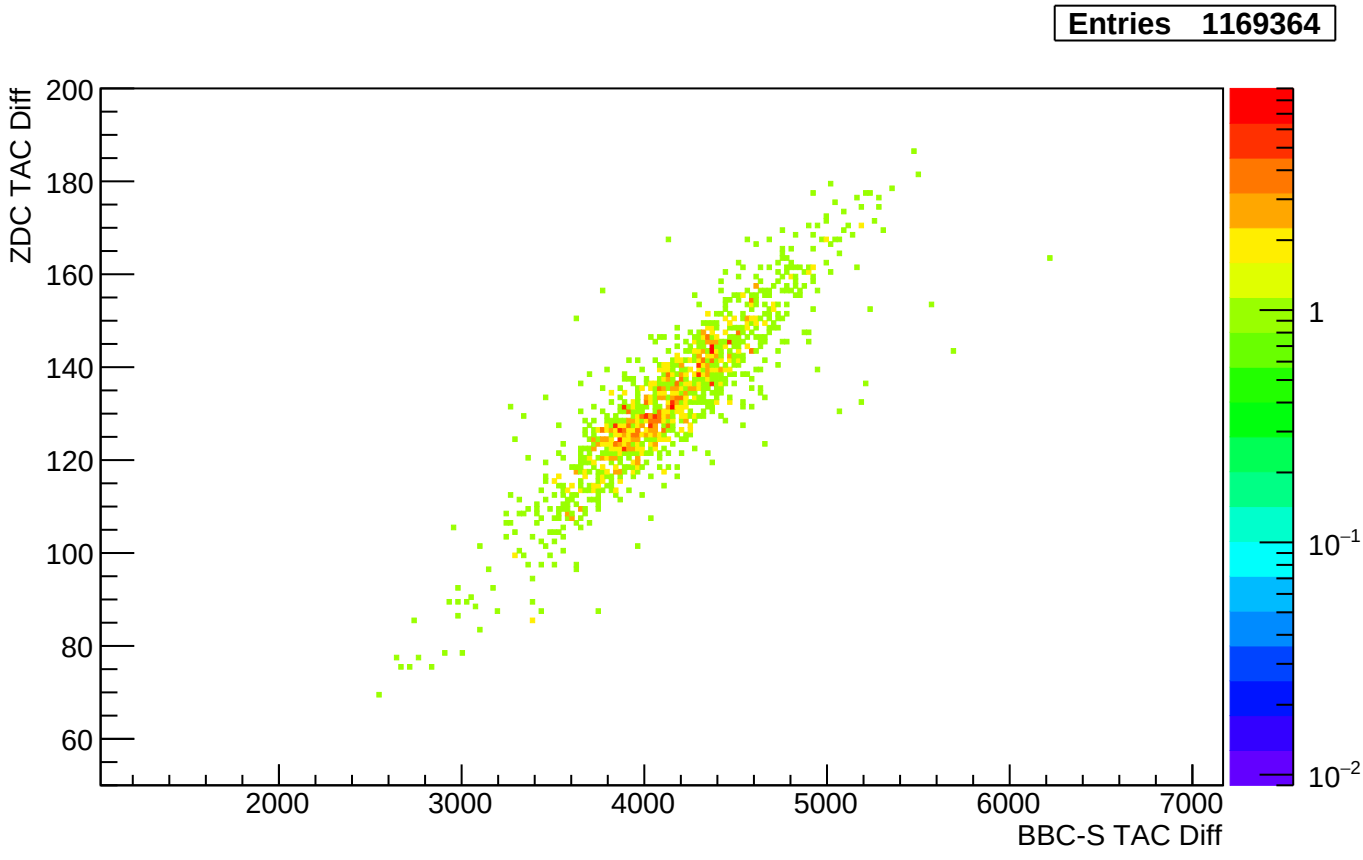

Entries 1169364
TOF-Mult
EPD-West Hit Cnt

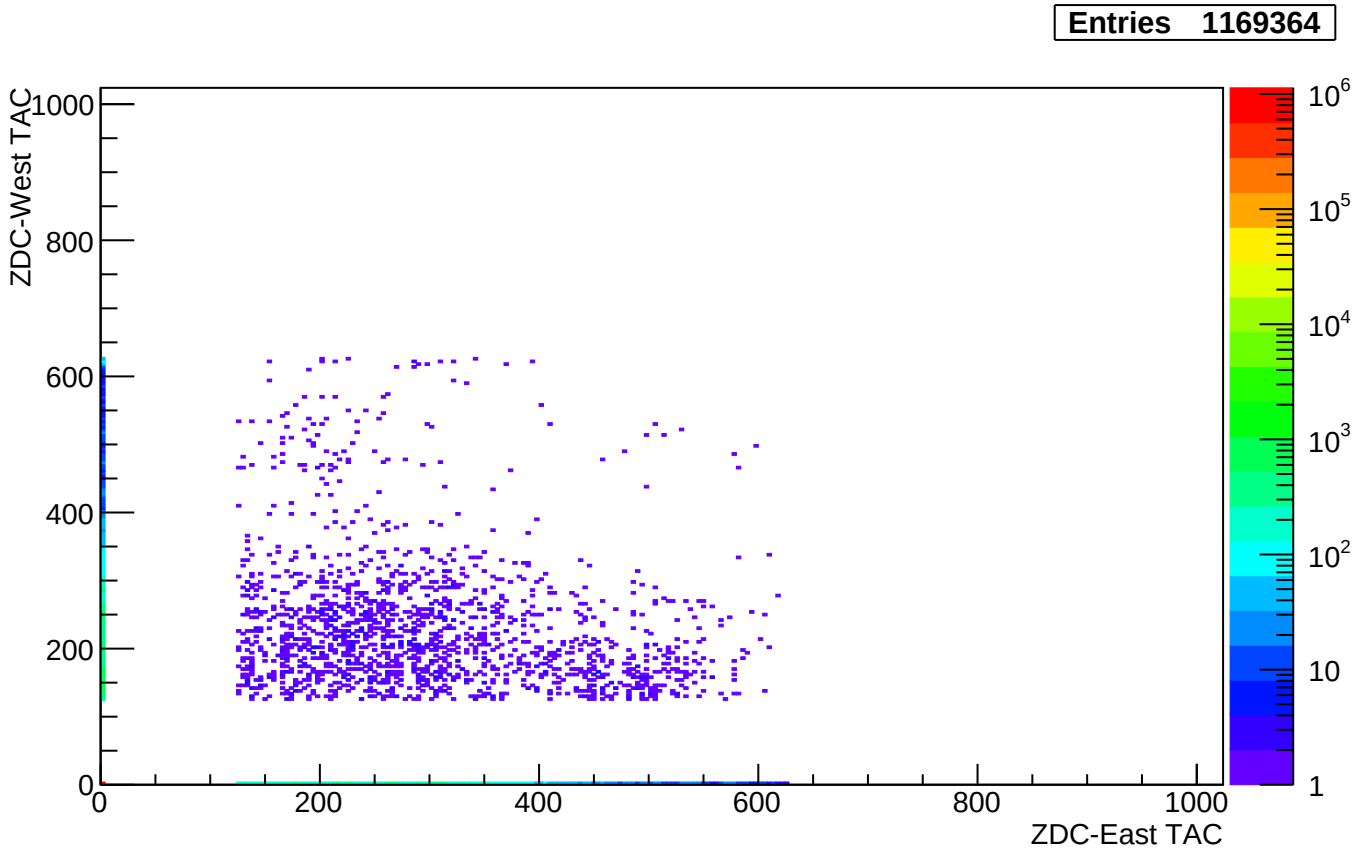

Entries 1169364
TOF-Mult
VPD-East ADC Sum

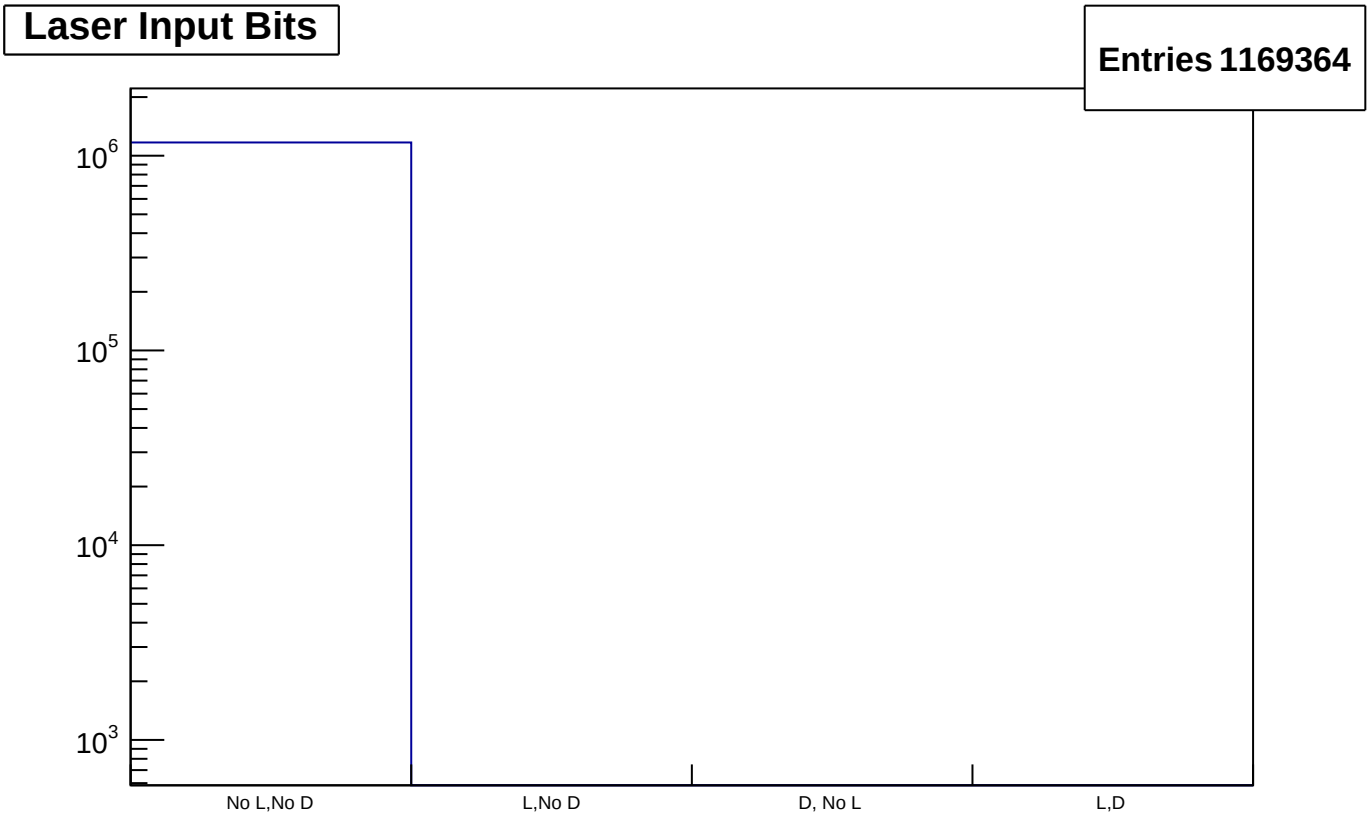

Entries 1169364
TOF-Mult
VPD-West ADC Sum

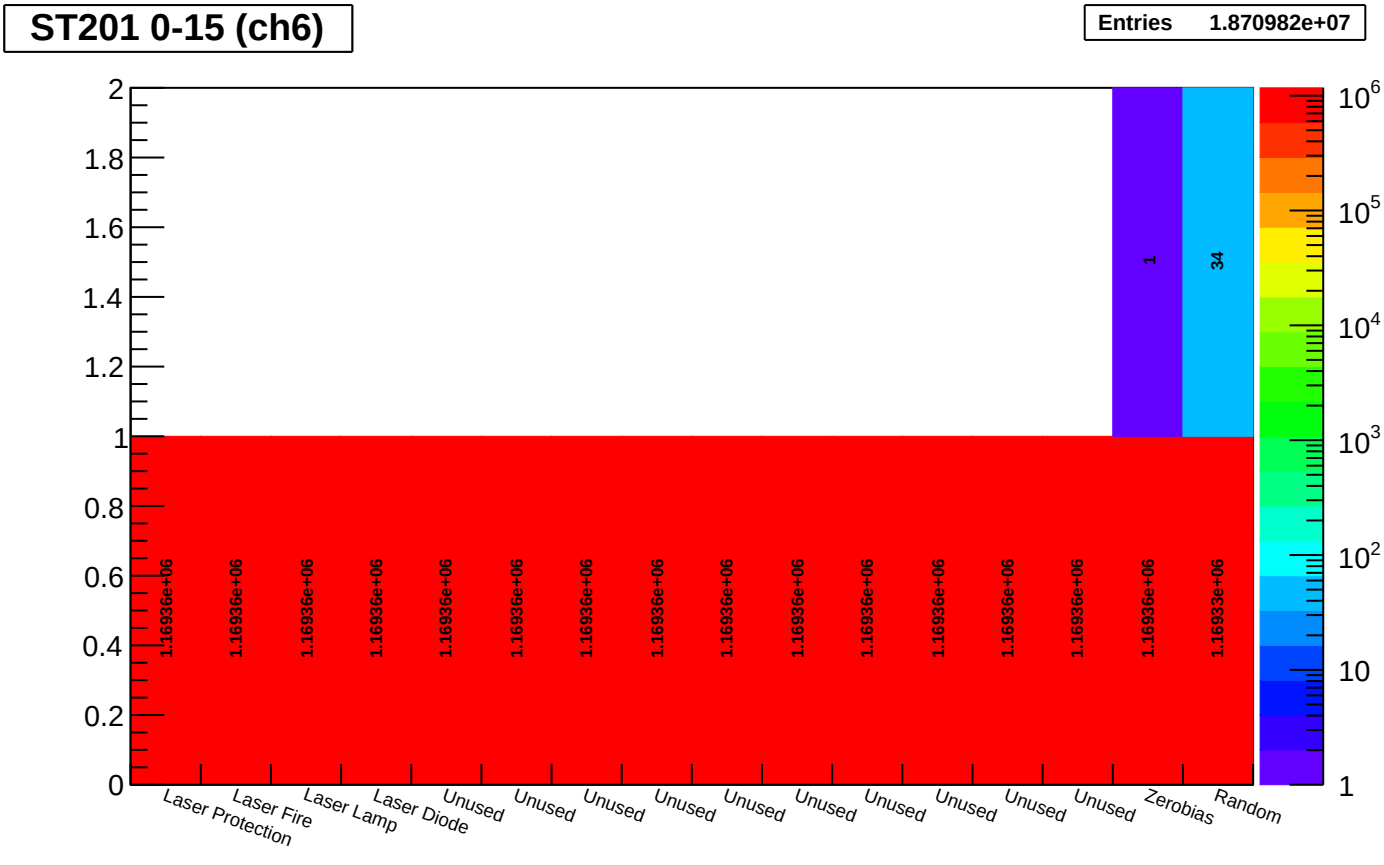

Entries 1169364
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

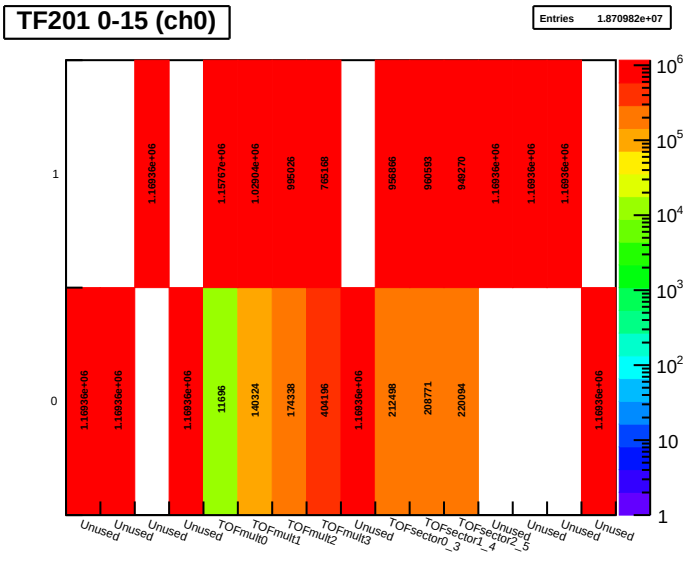

Entries 1169364
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}
10^{-2}

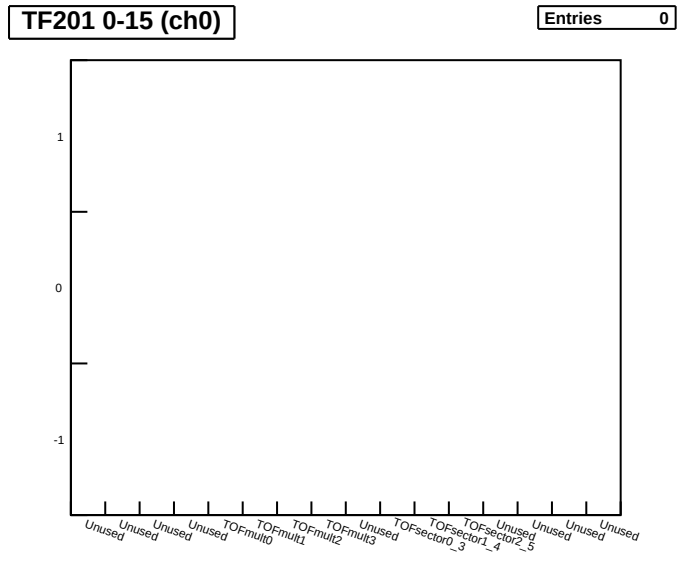

Entries 1169364
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

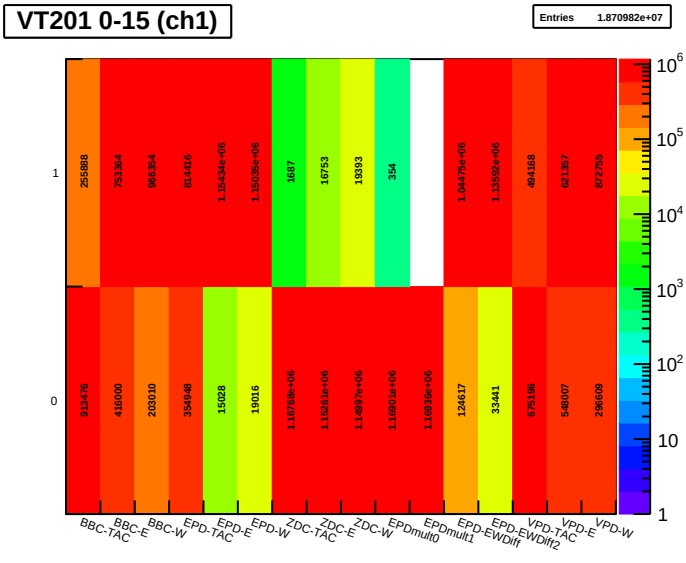

Entries 1169364
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

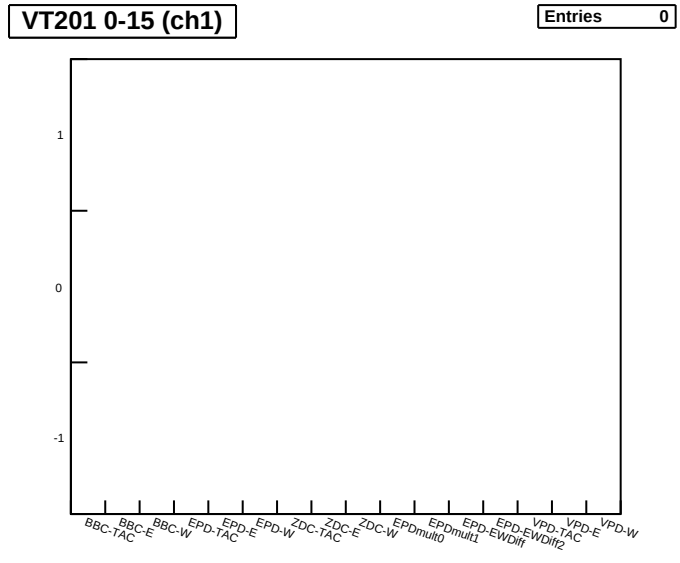

Laser Input Bits
Entries 1169364
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

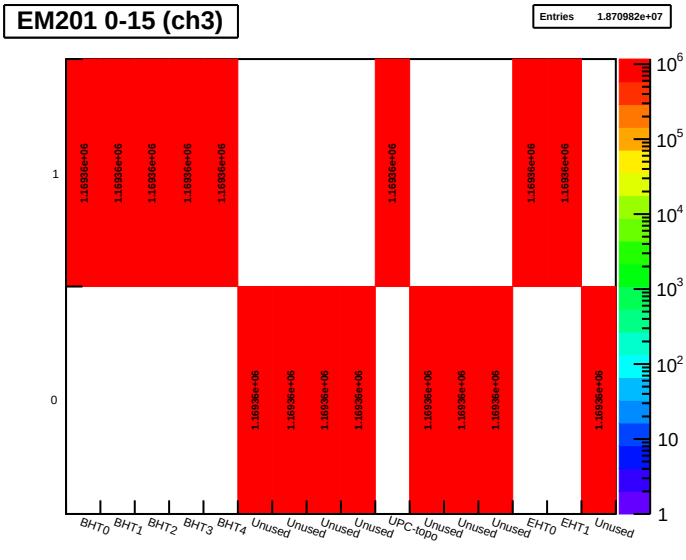

ST201 0-15 (ch6)
Entries 1.870982e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1.16936e+06
1.16933e+06
1
34
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

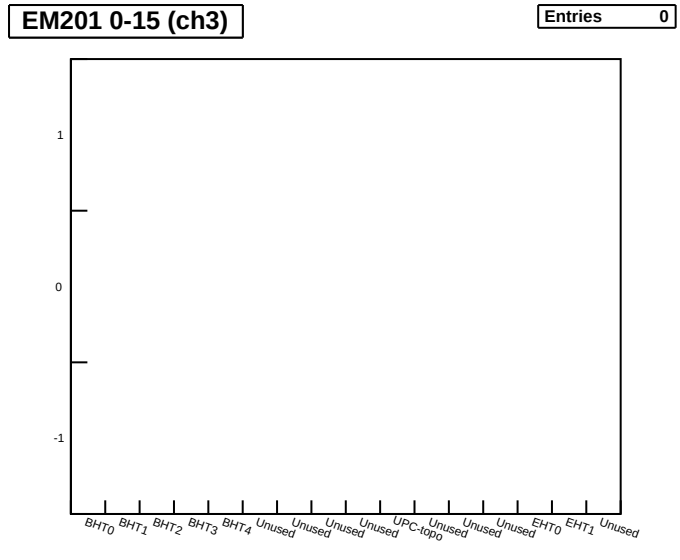

TF201 0-15 (ch0)
Entries 1.870982e+07
1.16936e+06
1.15767e+06
1.02904e+06
935025
765168
956866
960593
949270
11696
140324
174338
404196
212498
208771
220094
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 1.870982e+07
255888
753364
966354
814416
1.15434e+06
1.15035e+06
1687
16753
19393
354
1.04475e+06
1.13592e+06
494168
621357
872755
913476
416000
203010
354948
15028
19016
1.16768e+06
1.15261e+06
1.14997e+06
1.16801e+06
1.16936e+06
124617
33441
675196
548007
296609
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


VT201 0-15 (ch1)
Entries 0
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 1.870982e+07
1.16936e+06
1.16935e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


EM201 0-15 (ch3)
Entries 0
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1