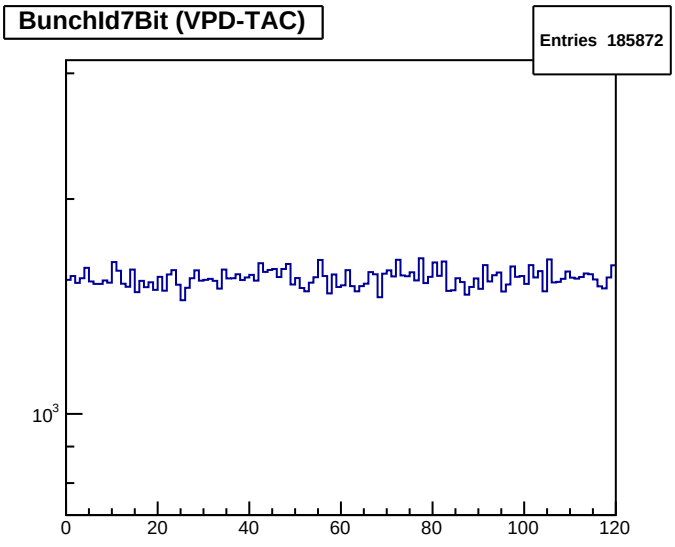
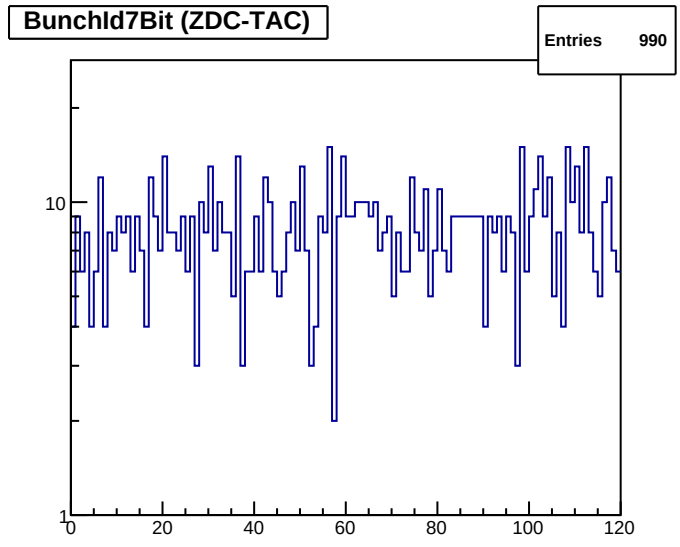
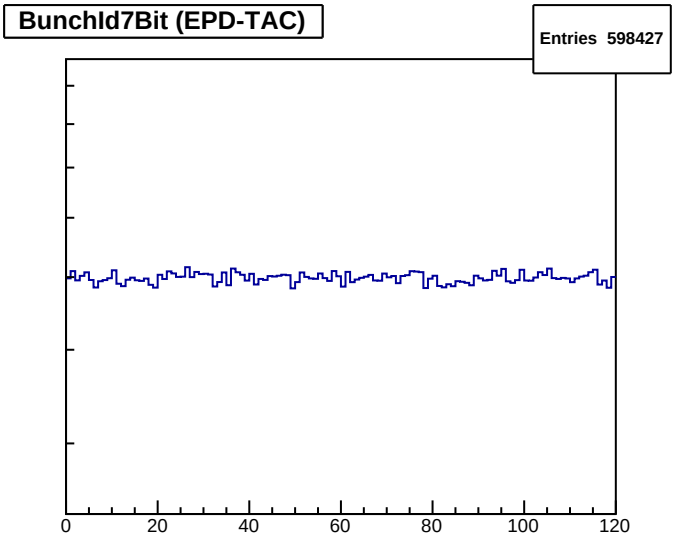
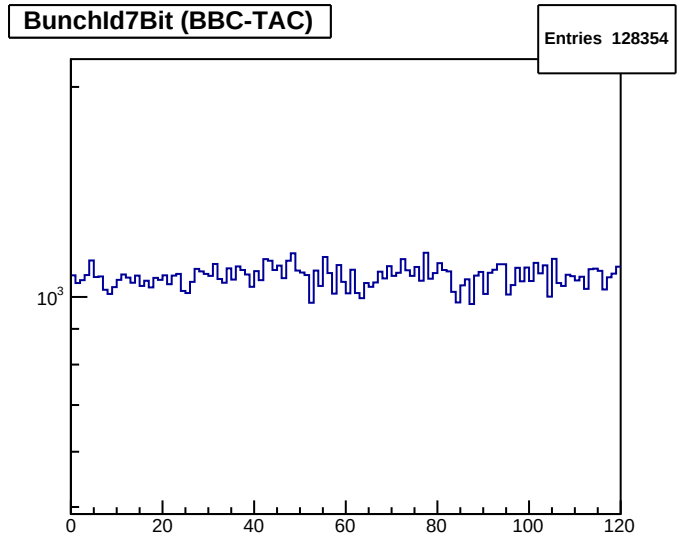
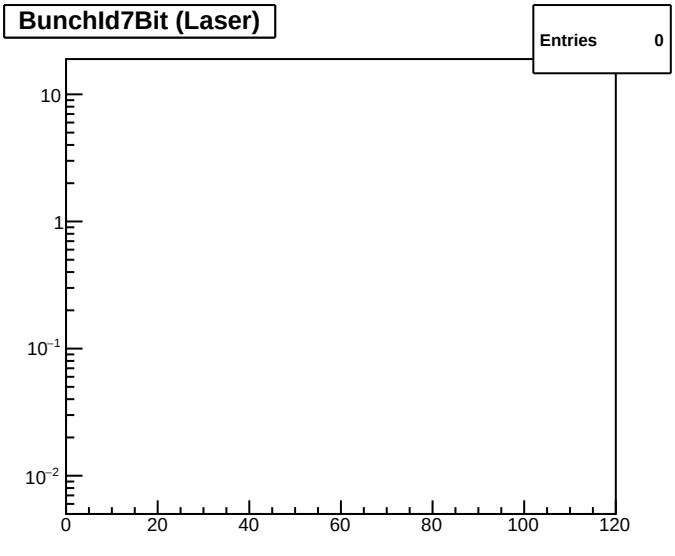
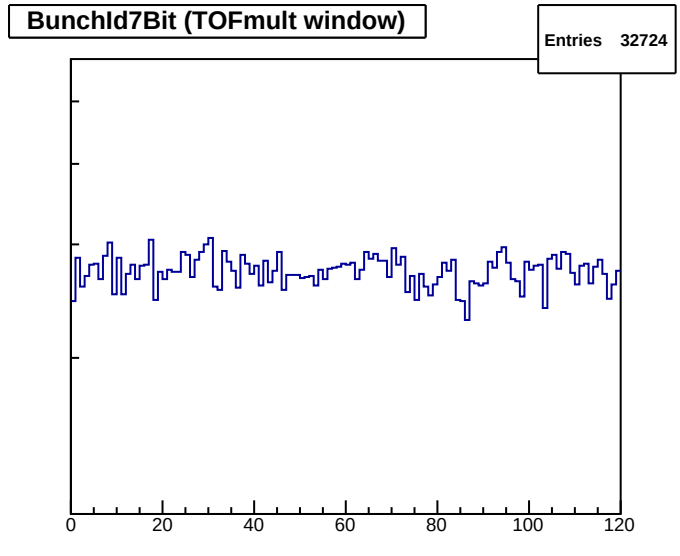

BunchId7Bit (VPD-TAC)
Entries 185872
10^3
0 20 40 60 80 100 120

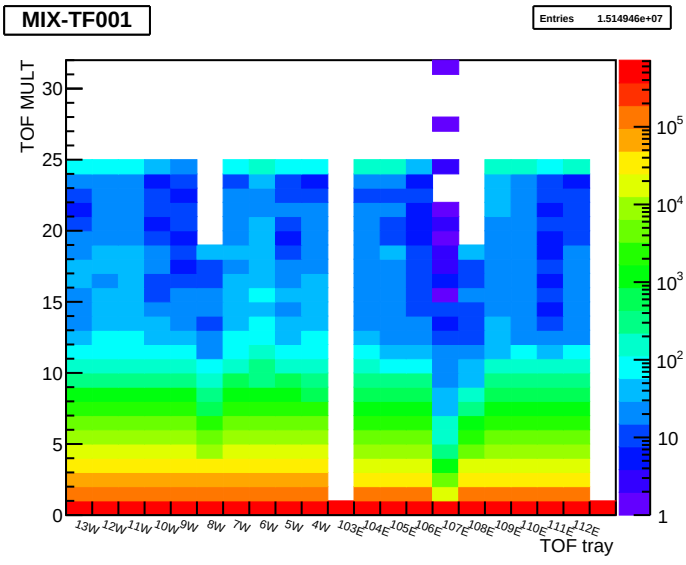

BunchId7Bit (ZDC-TAC)
Entries 990
10
1
0 20 40 60 80 100 120

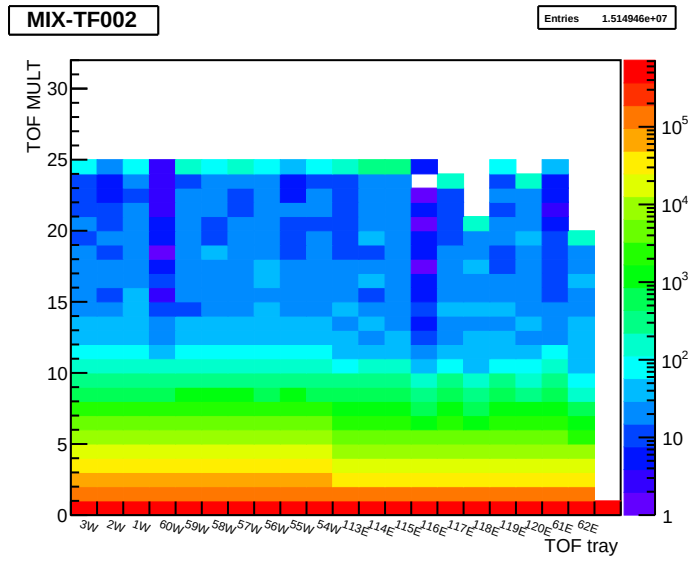

BunchId7Bit (EPD-TAC)
Entries 598427
0 20 40 60 80 100 120

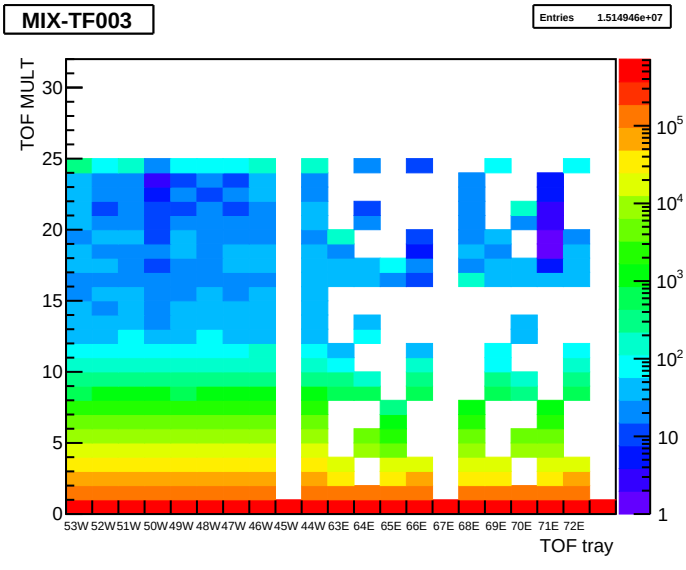

BunchId7Bit (BBC-TAC)
Entries 128354
10^3
0 20 40 60 80 100 120

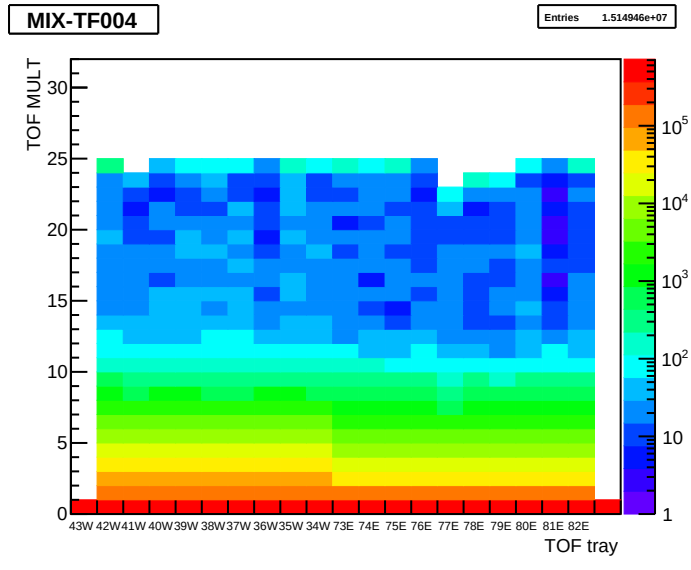

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

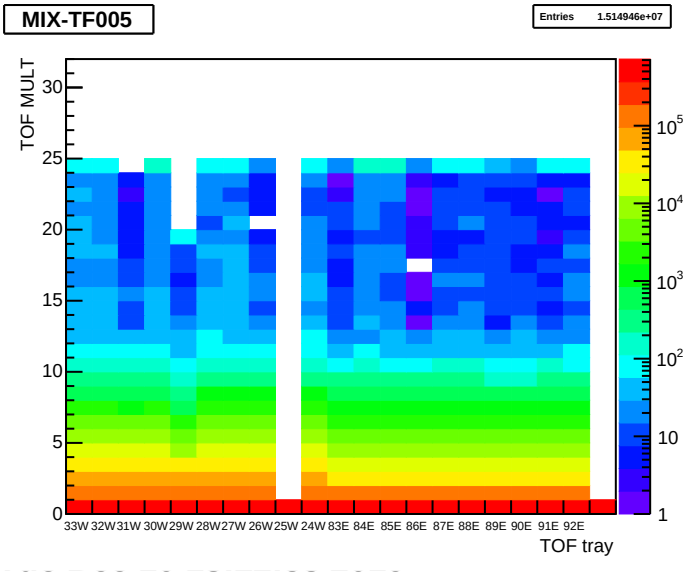

BunchId7Bit (TOFmult window)
Entries 32724
0 20 40 60 80 100 120

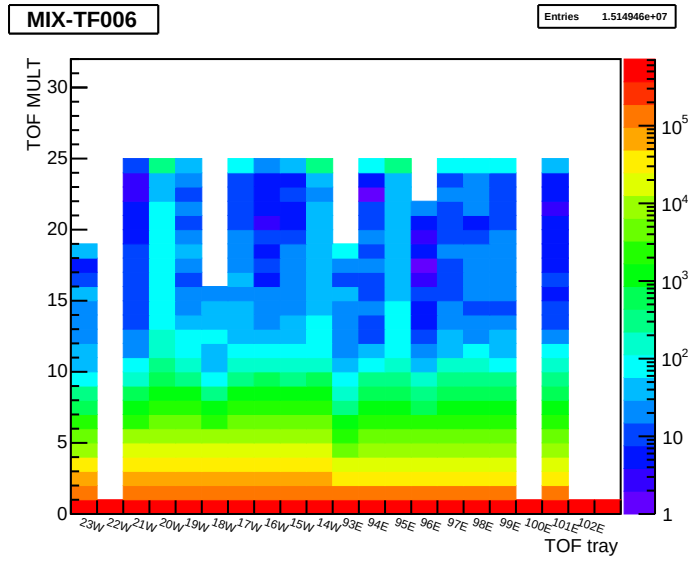

MIX-TF001
Entries 1.514946e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

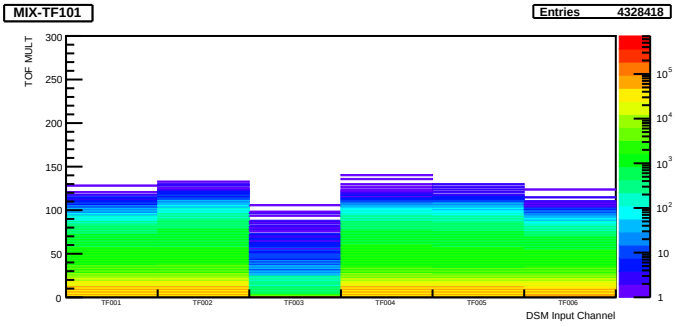

MIX-TF002
Entries 1.514946e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

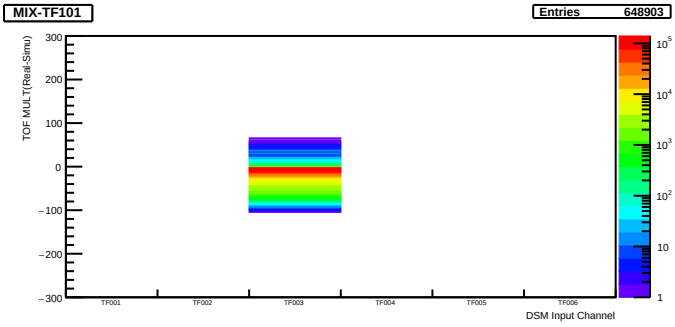

MIX-TF003
Entries 1.514946e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

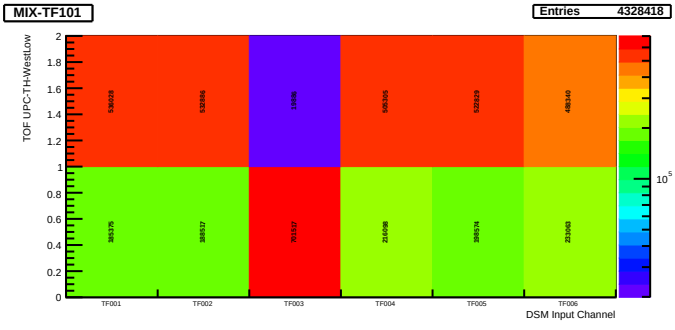

MIX-TF004
Entries 1.514946e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

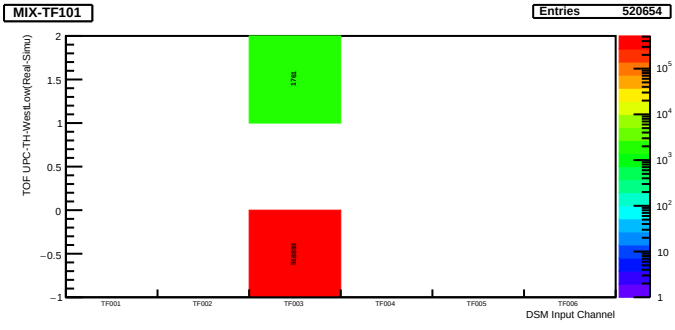

MIX-TF005
Entries 1.514946e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

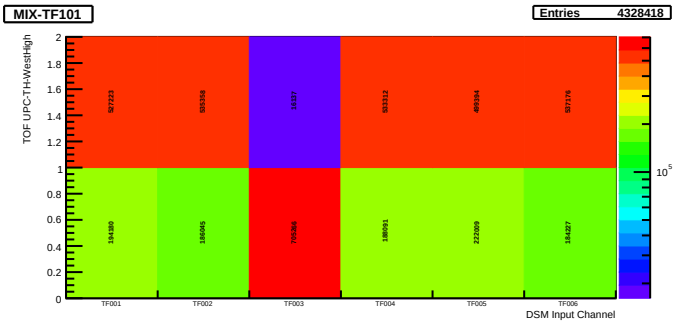

MIX-TF006
Entries 1.514946e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

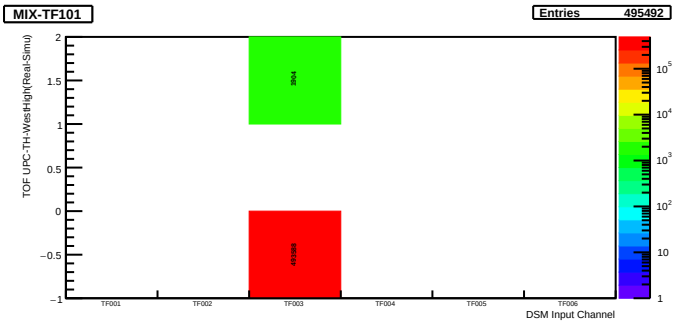

MIX-TF101
Entries 4328418
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

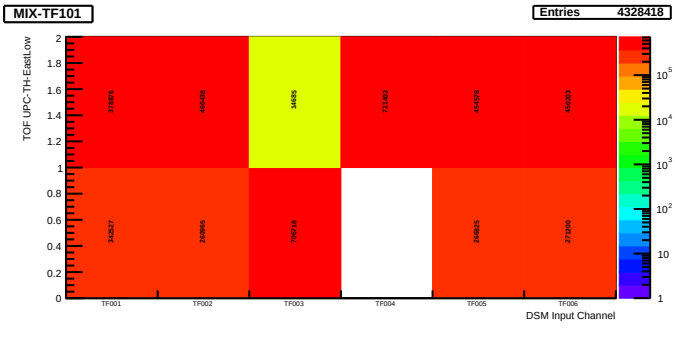

MIX-TF101
Entries 648903
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

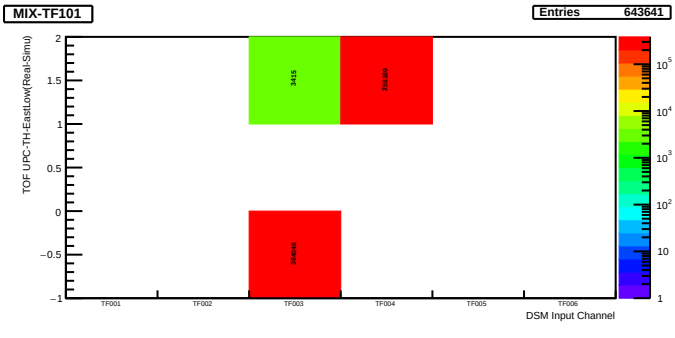

MIX-TF101
Entries 4328418
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

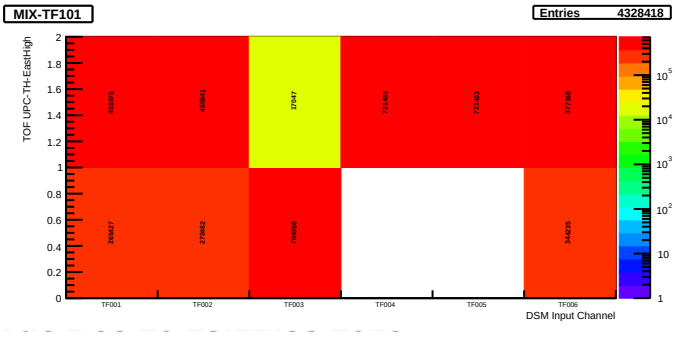

MIX-TF101
Entries 520654
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

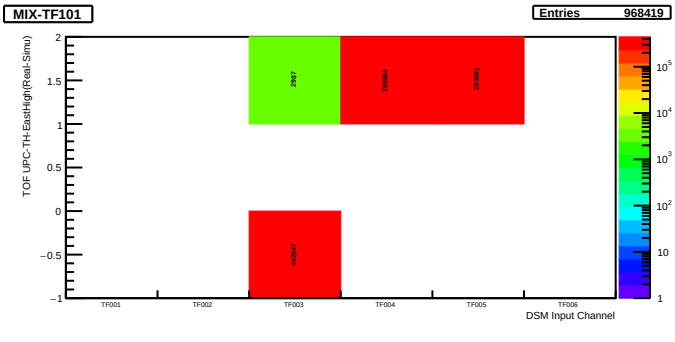

MIX-TF101
Entries 4328418
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

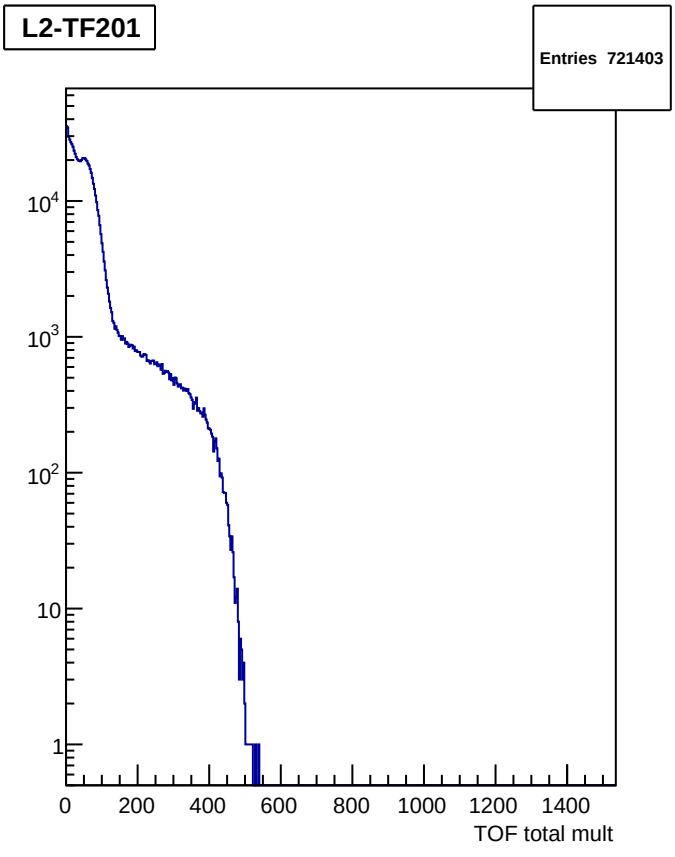

MIX-TF101
Entries 495492
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

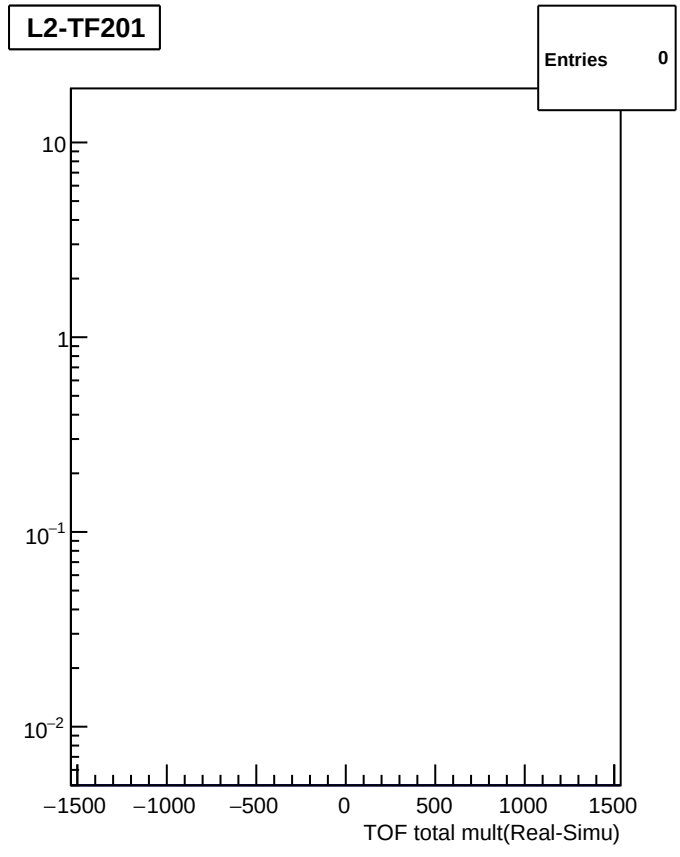

MIX-TF101
Entries 4328418
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

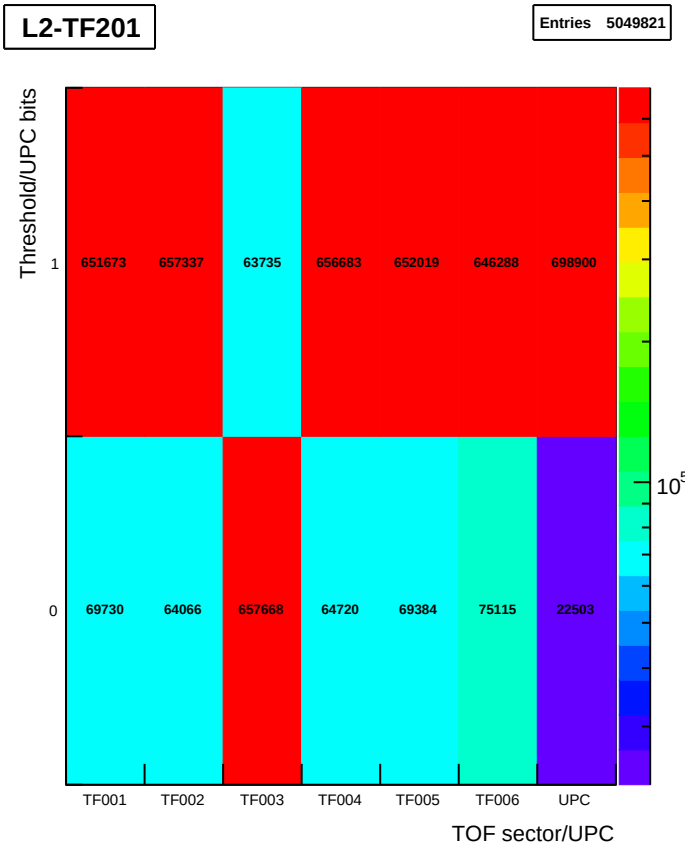

MIX-TF101
Entries 643641
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

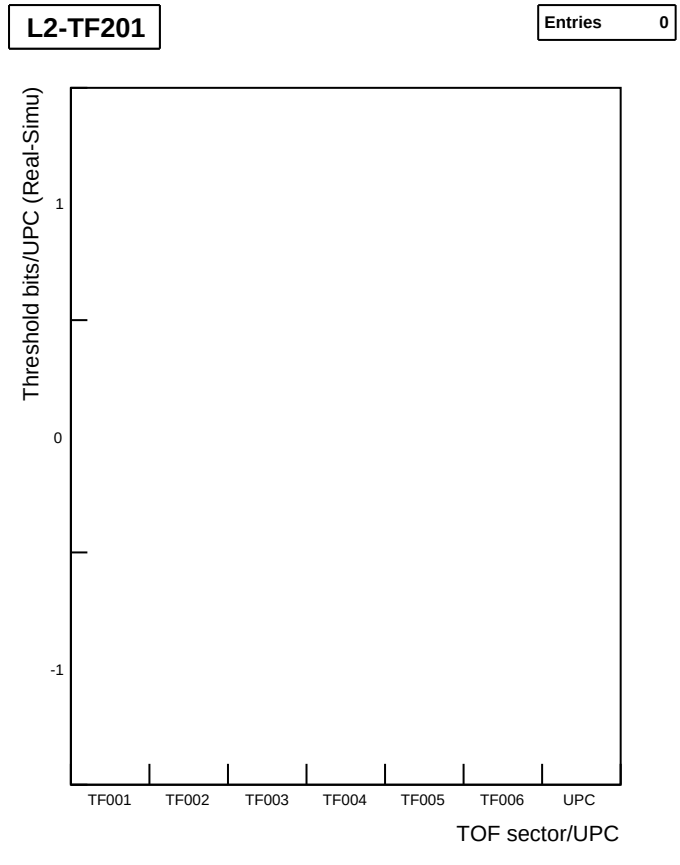

MIX-TF101
Entries 4328418
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

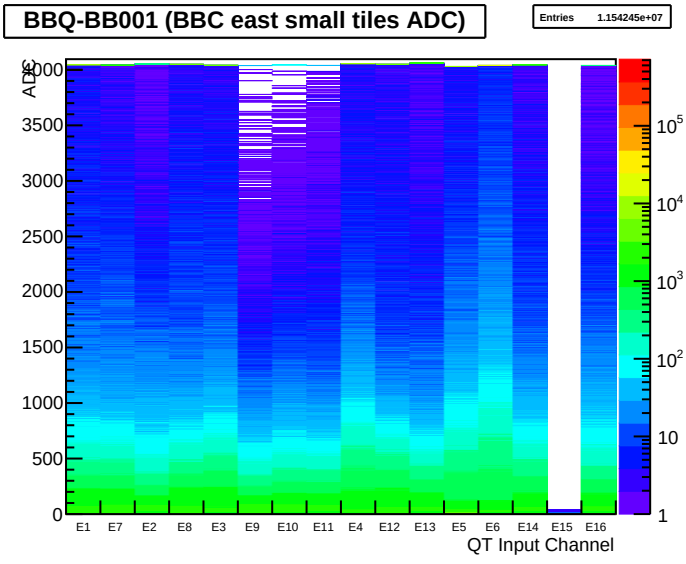

MIX-TF101
Entries 968419
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

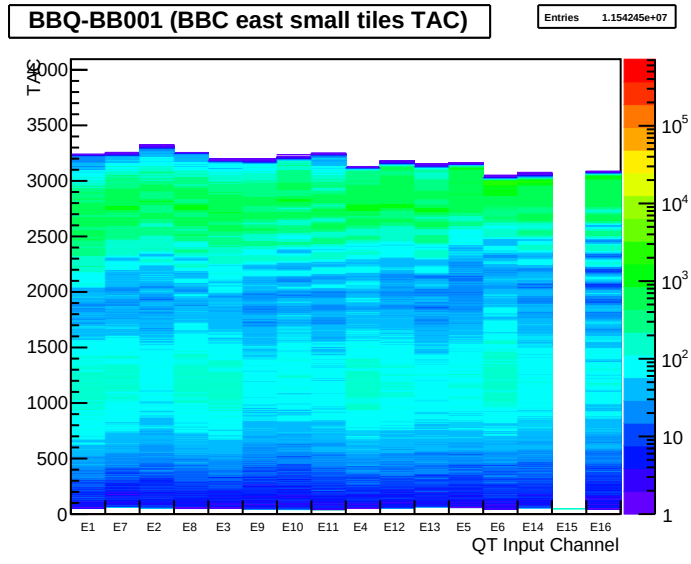

L2-TF201
Entries 721403
TOF total mult

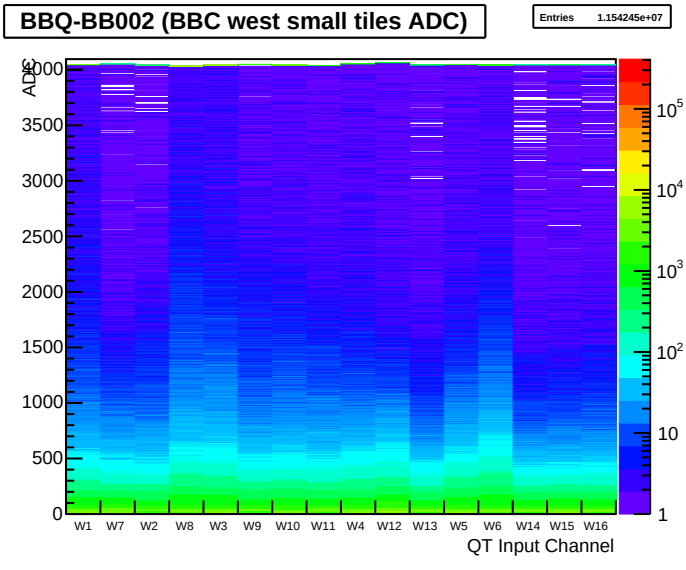

L2-TF201
Entries 0
TOF total mult(Real-Simu)

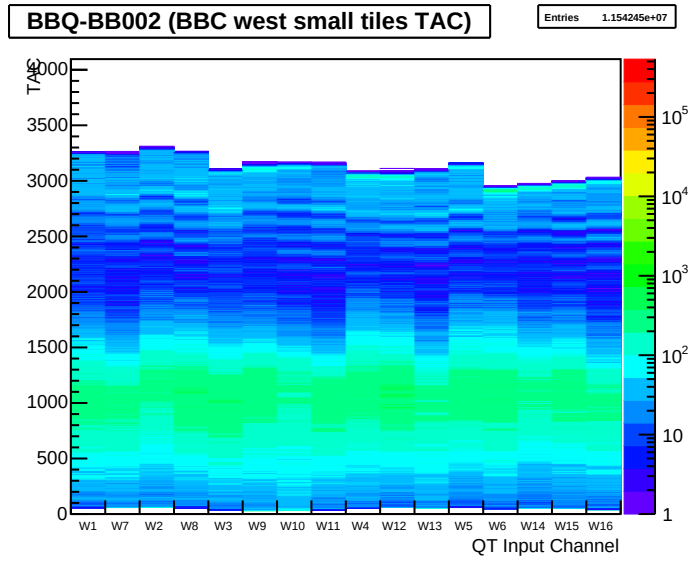

L2-TF201
Entries 5049821
Threshold/UPC bits
651673
657337
63735
656683
652019
646288
698900
69730
64066
657668
64720
69384
75115
22503
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

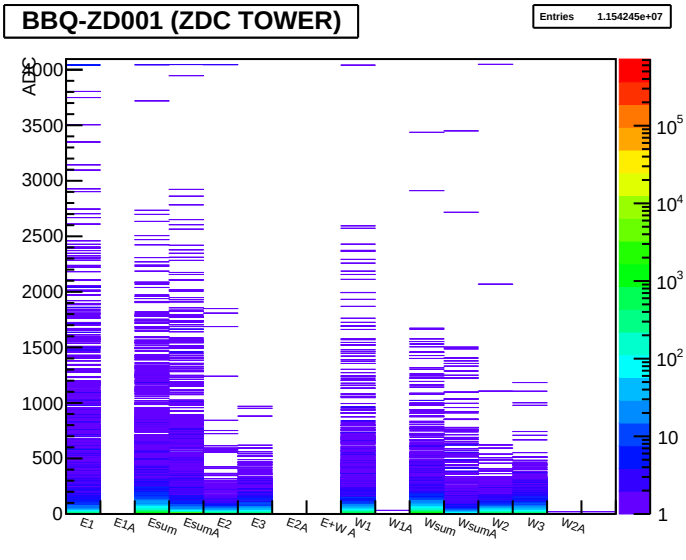

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

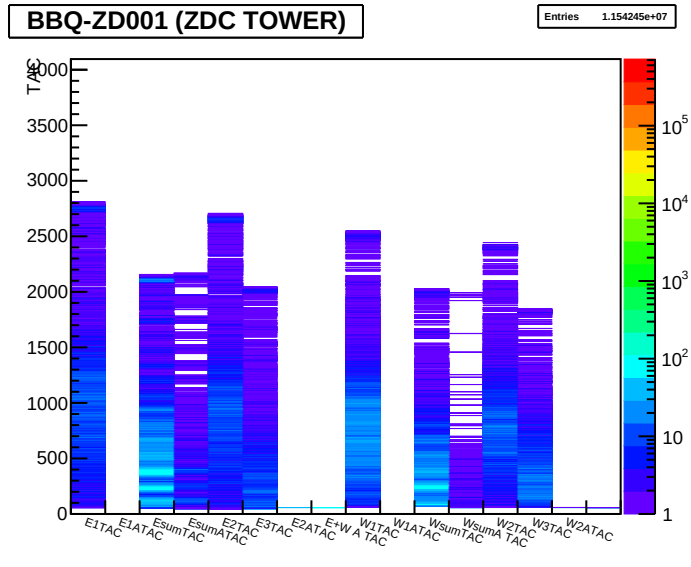

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.154245e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

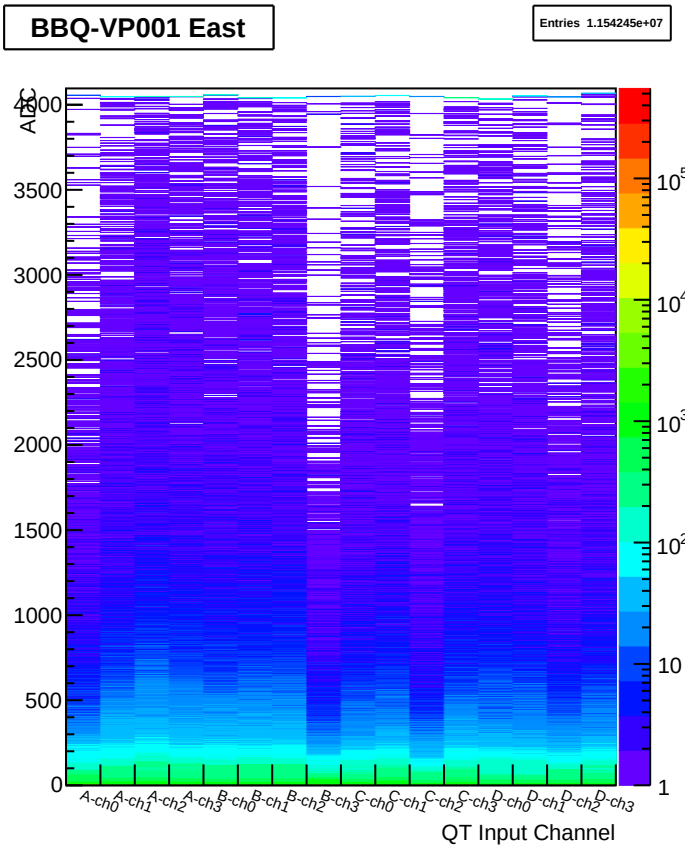

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.154245e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

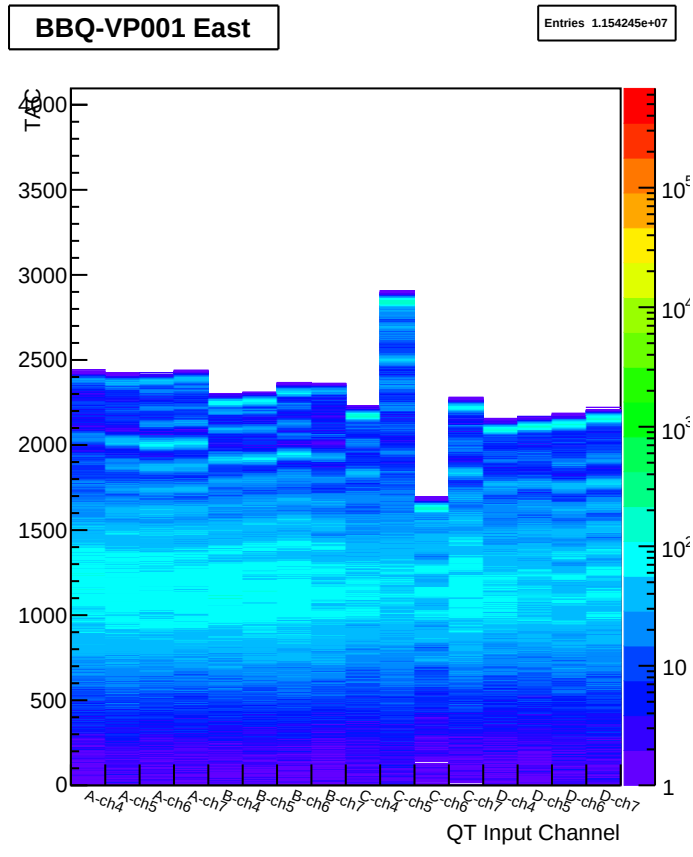

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.154245e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

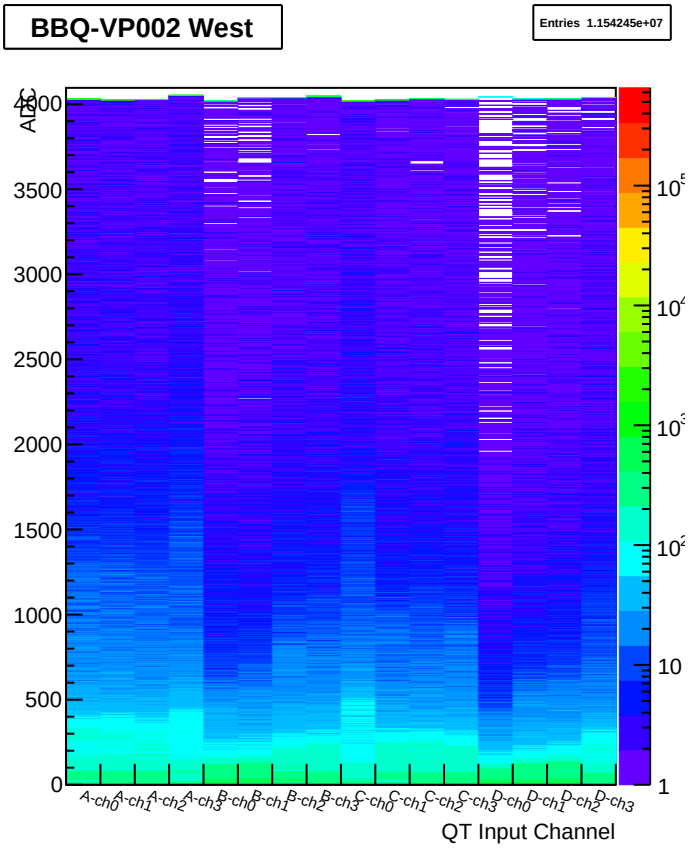

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.154245e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

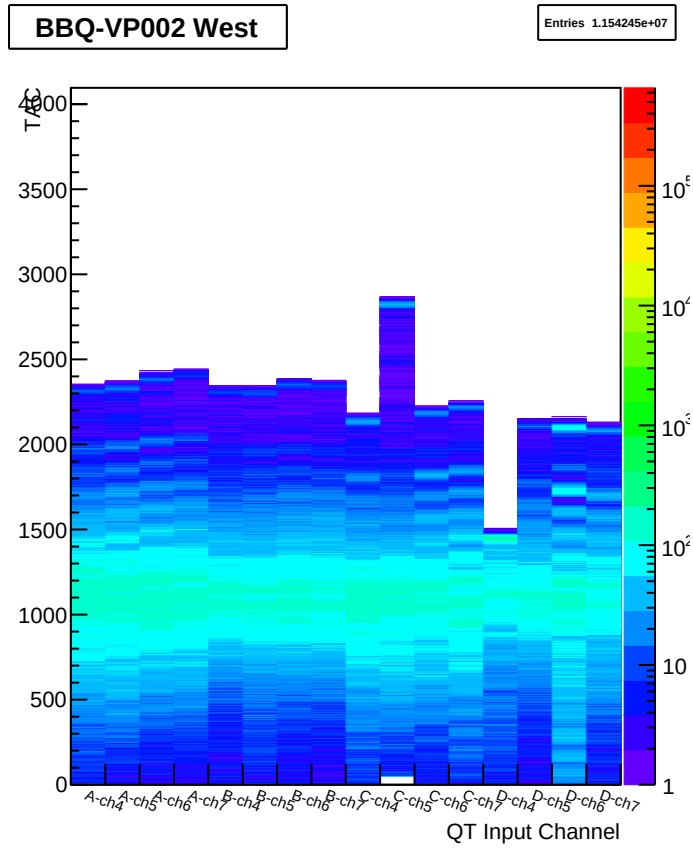

BBQ-ZD001 (ZDC TOWER)
Entries 1.154245e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

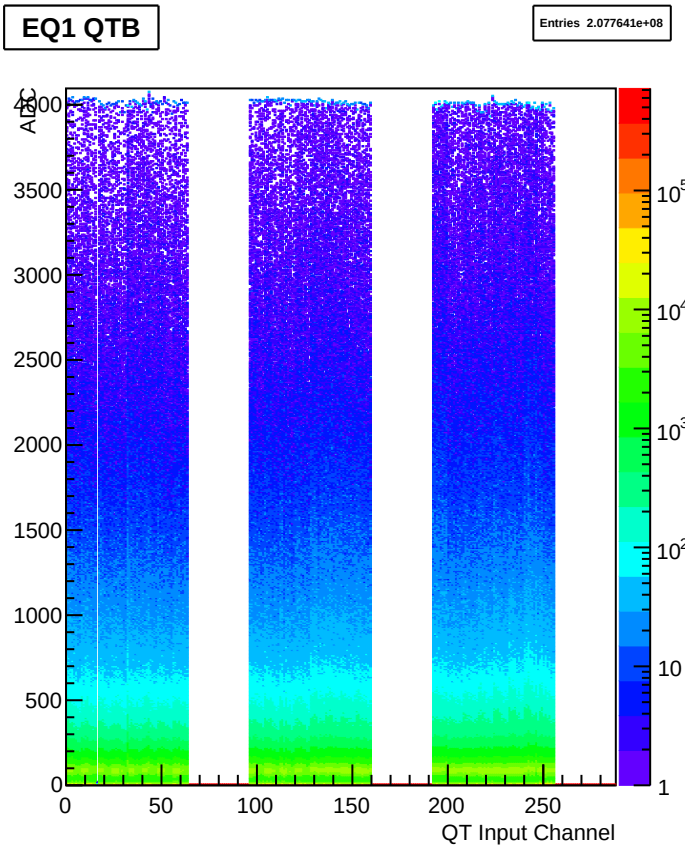

BBQ-ZD001 (ZDC TOWER)
Entries 1.154245e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

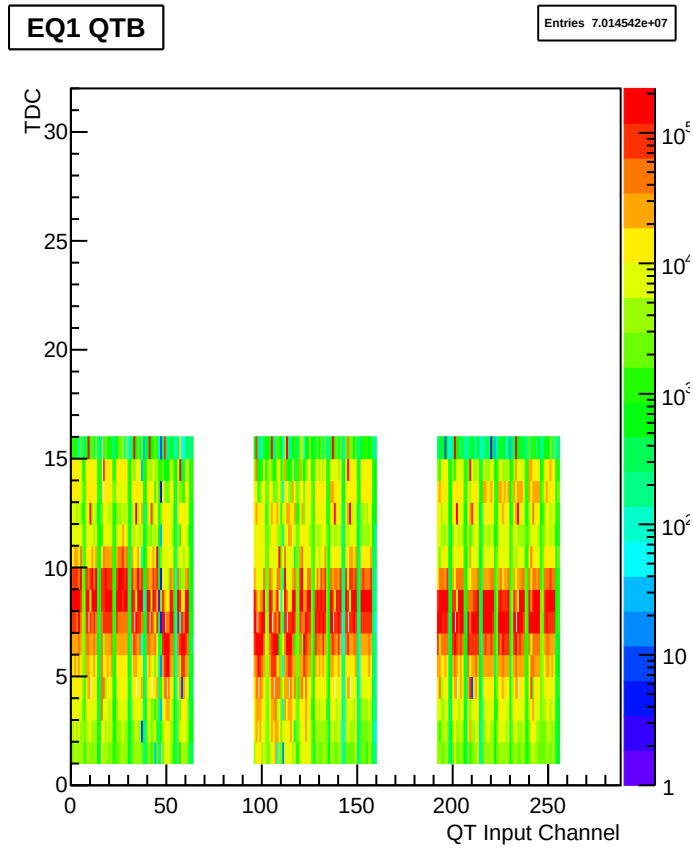

BBQ-VP001 East
Entries 1.154245e+07
ADC
QT Input Channel

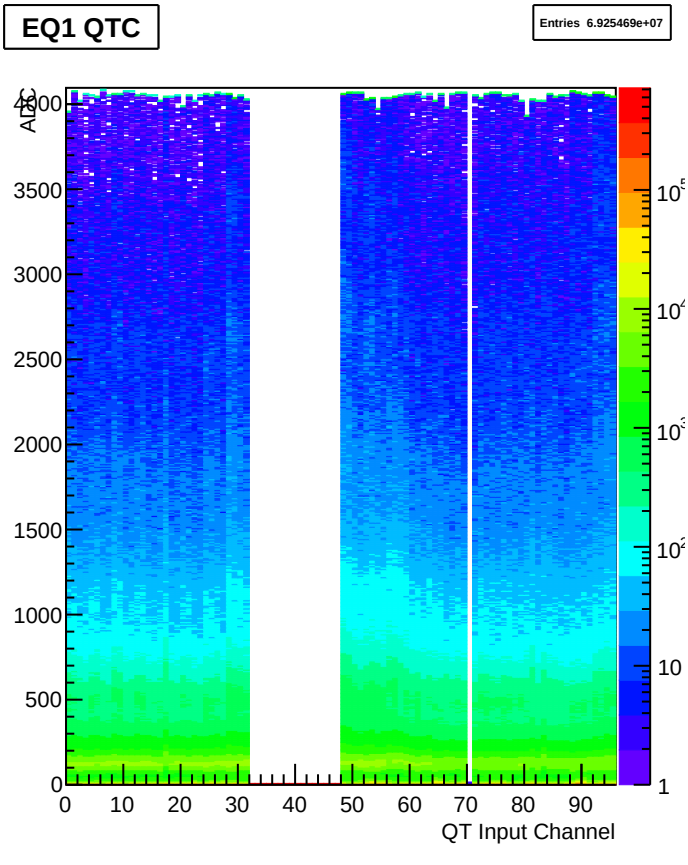

BBQ-VP001 East
Entries 1.154245e+07
TADC
QT Input Channel

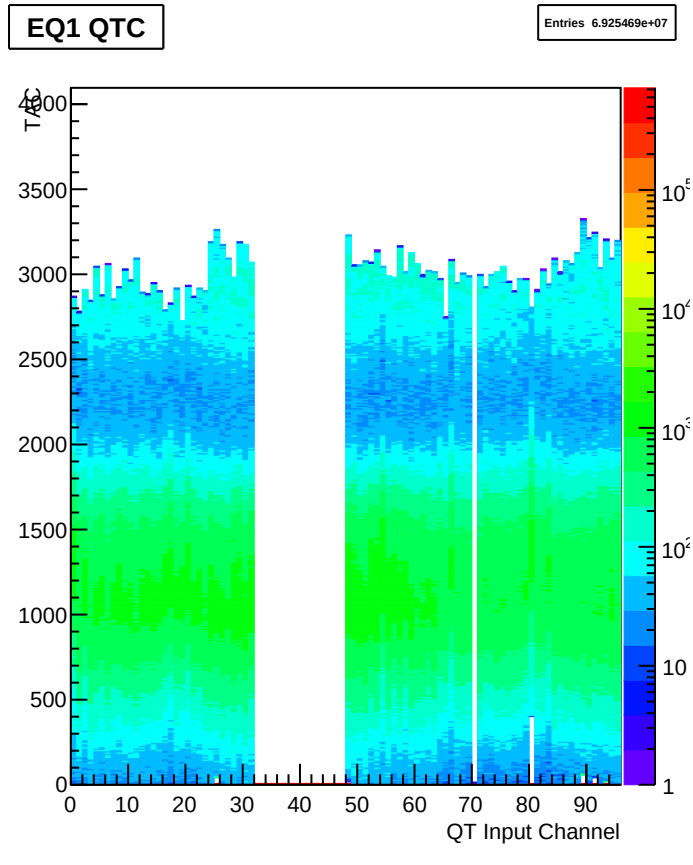

BBQ-VP002 West
Entries 1.154245e+07
ADC
QT Input Channel

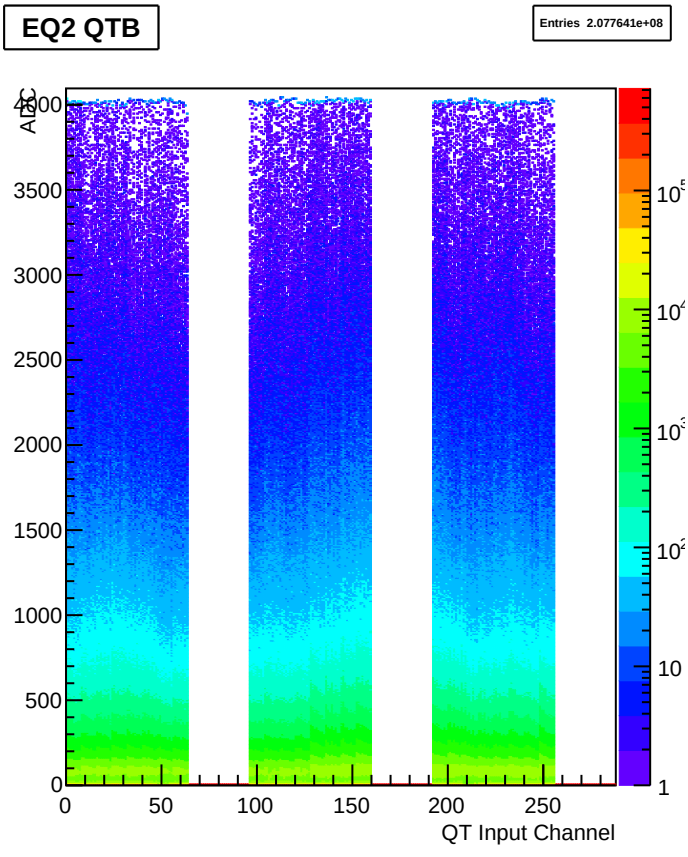

BBQ-VP002 West
Entries 1.154245e+07
TADC
QT Input Channel

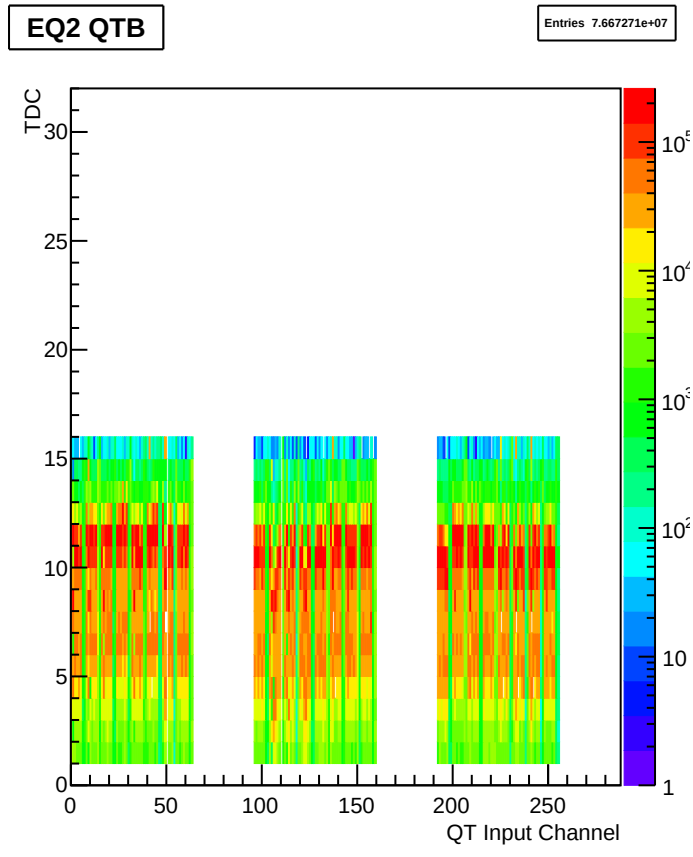

EQ1 QTB
Entries 2.077641e+08
ADC
QT Input Channel

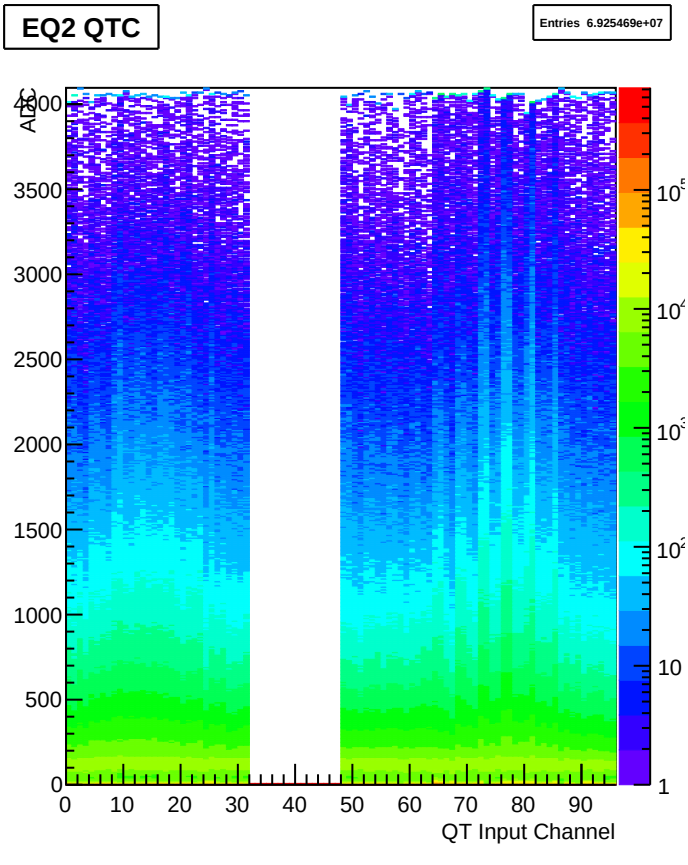

EQ1 QTB
Entries 7.014542e+07
TDC
QT Input Channel

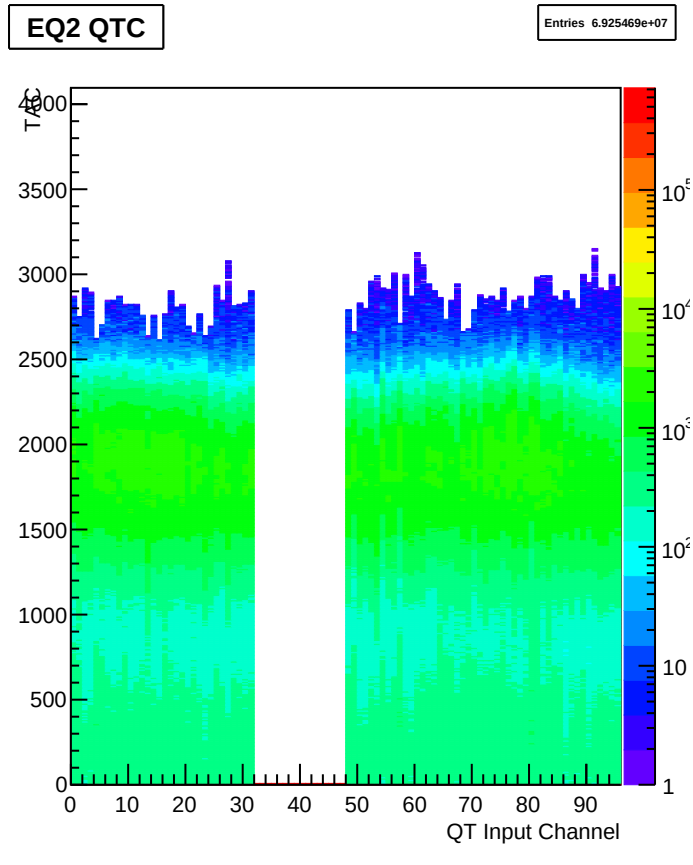

EQ1 QTC
Entries 6.925469e+07
ADC
QT Input Channel

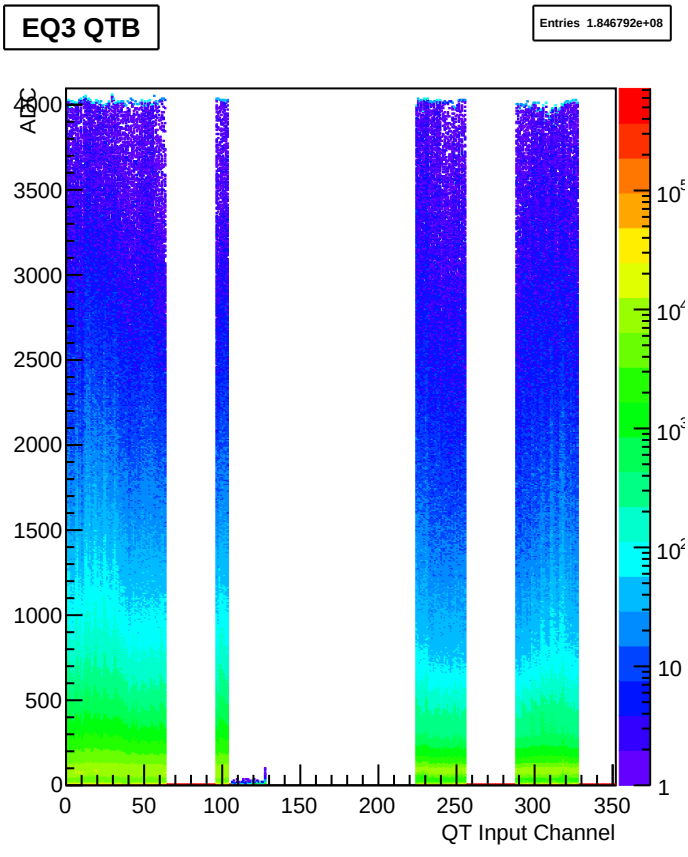

EQ1 QTC
Entries 6.925469e+07
TADC
QT Input Channel

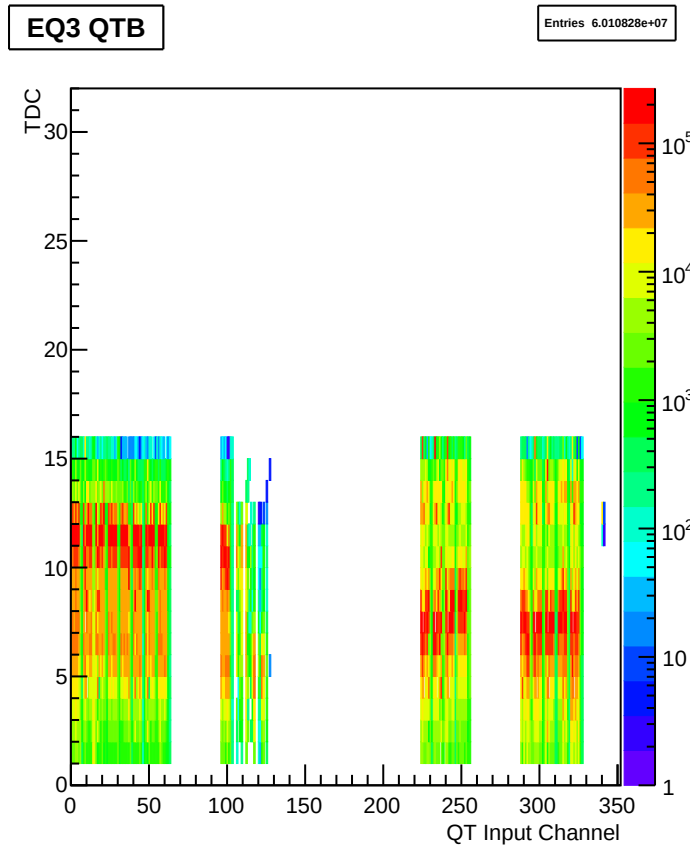

EQ2 QTB
Entries 2.077641e+08
ADC
QT Input Channel

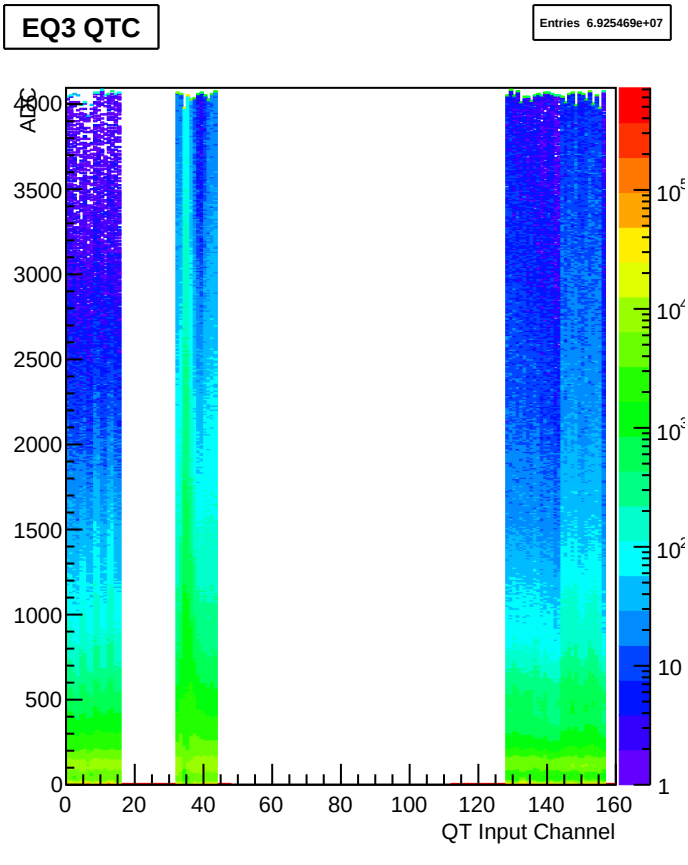

EQ2 QTB
Entries 7.667271e+07
TDC
QT Input Channel

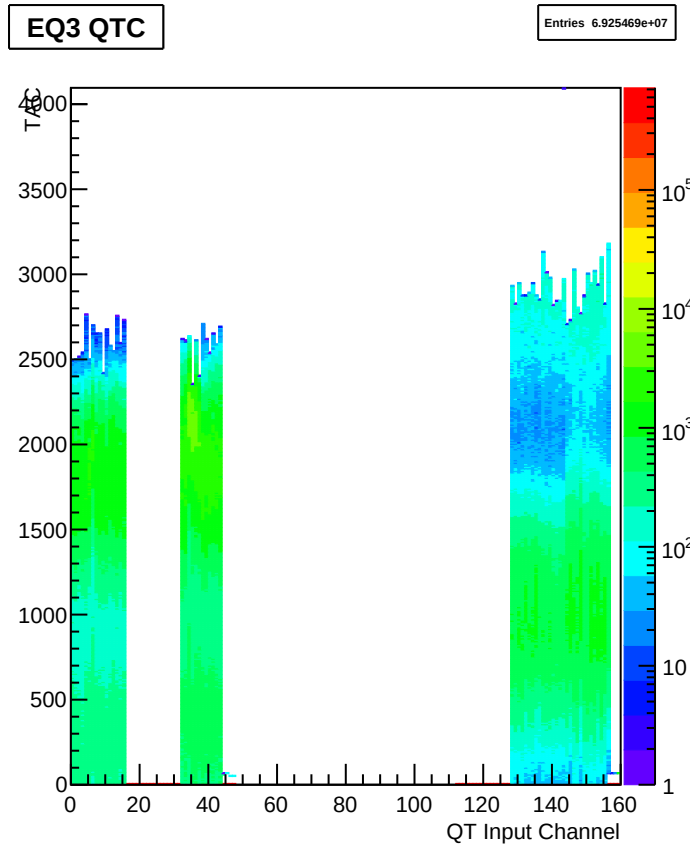

EQ2 QTC
Entries 6.925469e+07
ADC
QT Input Channel

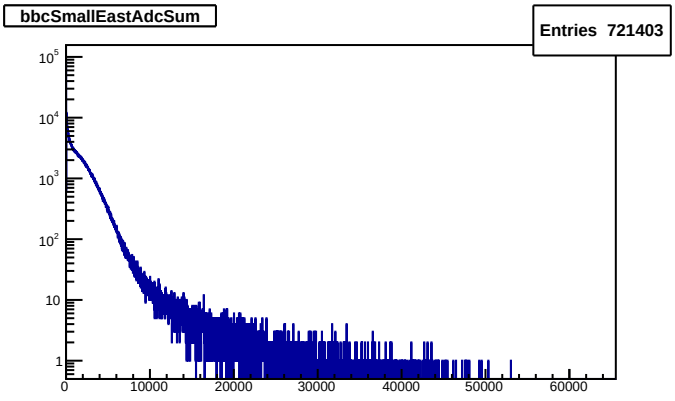

EQ2 QTC
Entries 6.925469e+07
TADC
QT Input Channel

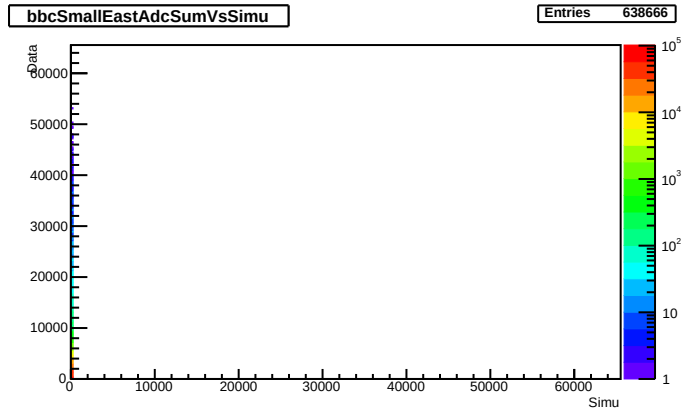

EQ3 QTB
Entries 1.846792e+08
ADC
QT Input Channel

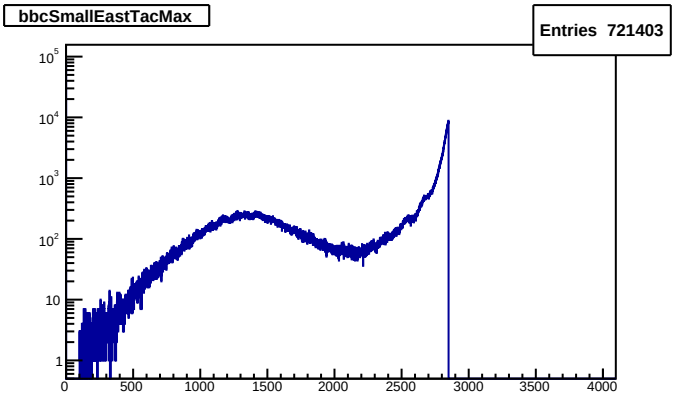

EQ3 QTB
Entries 6.010828e+07
TDC
QT Input Channel

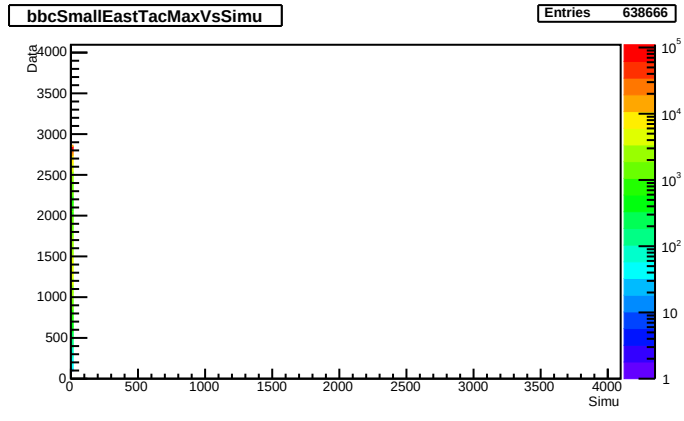

EQ3 QTC
Entries 6.925469e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.925469e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 721403


bbcSmallEastAdcSumVsSimu
Entries 638666
Data
Simu


bbcSmallEastTacMax
Entries 721403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Entries 638666
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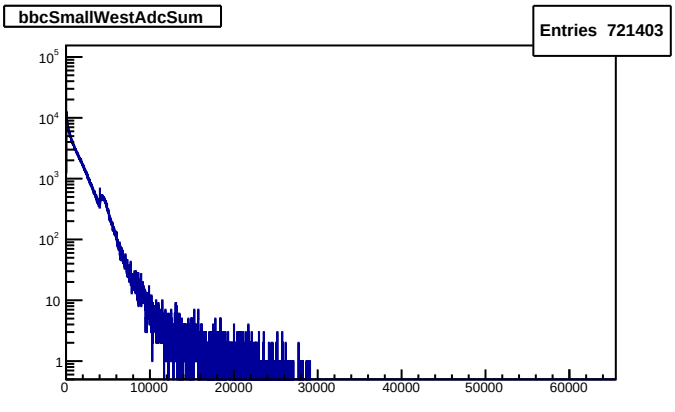
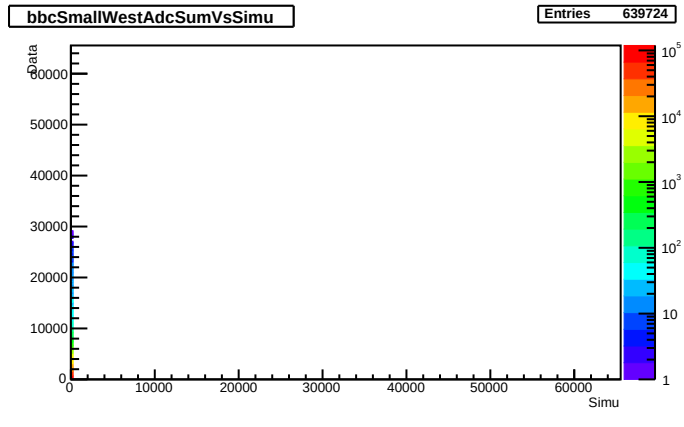

bbcSmallWestAdcSum
Entries 721403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Entries 639724
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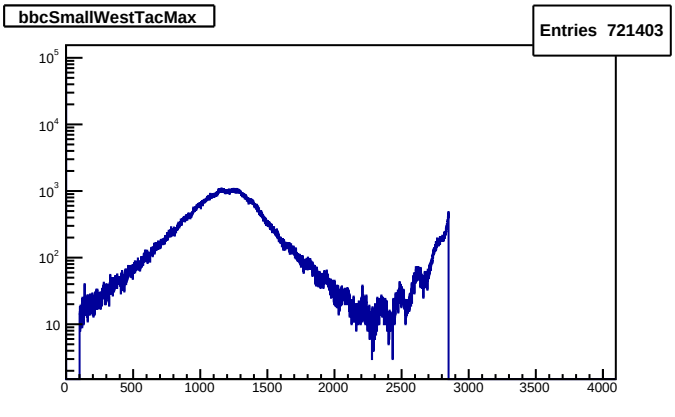
Simu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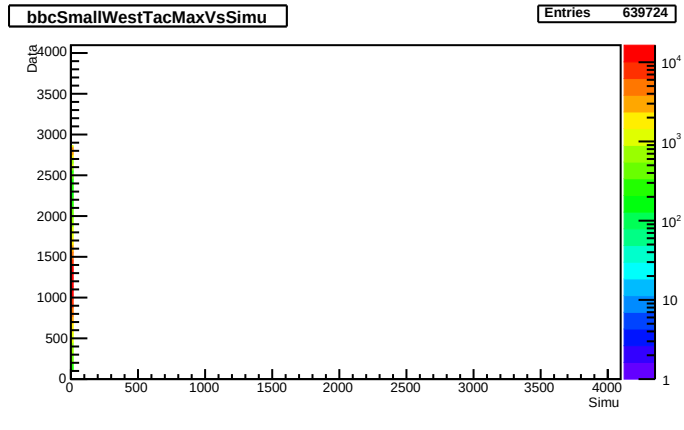
Entries 721403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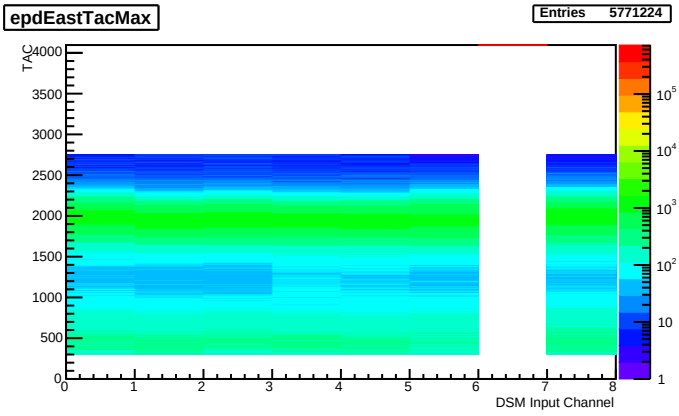
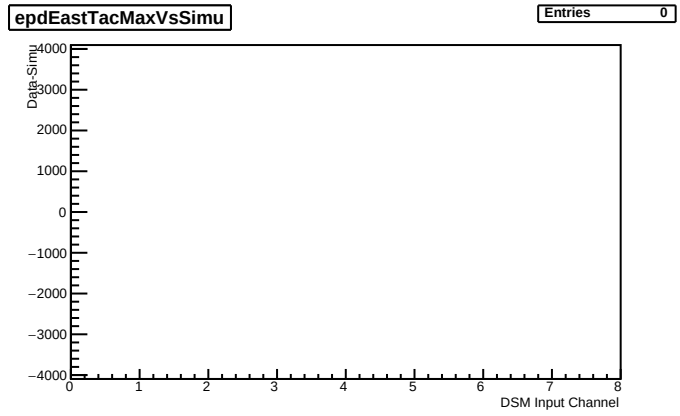
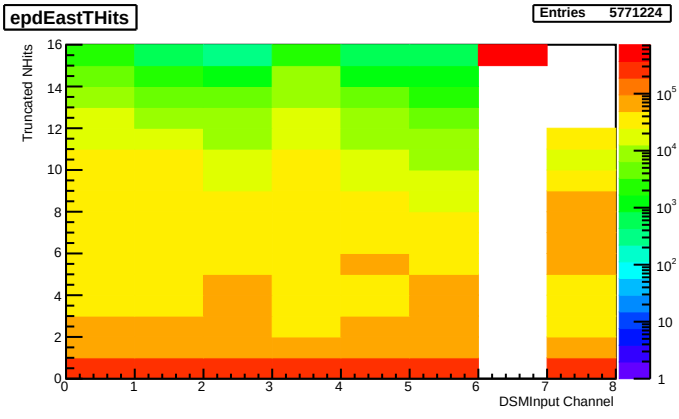
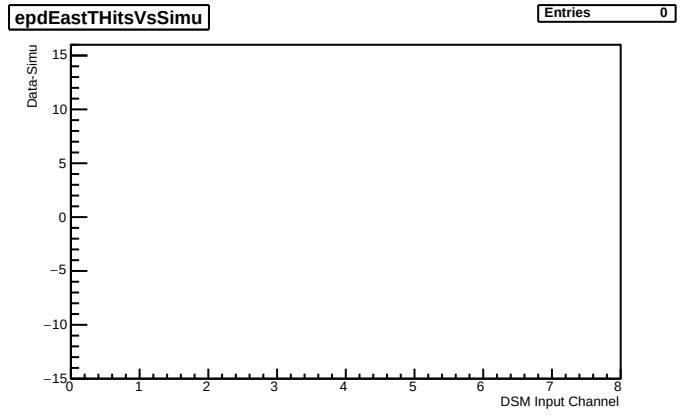
Entries 639724
Data
Simu


epdEastTacMax
Entries 5771224
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5771224
Truncated NHits
DSMInput Channel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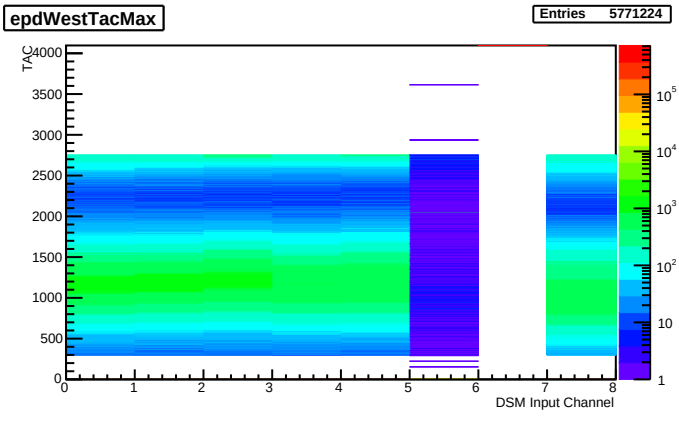
DSM Input Channel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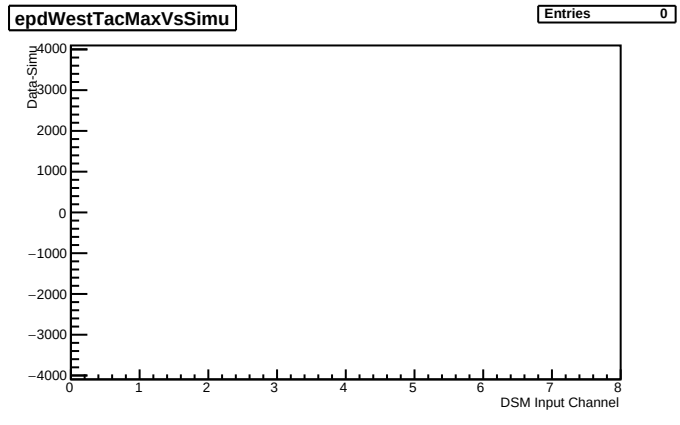
Entries 5771224
TAC
DSM Input Channel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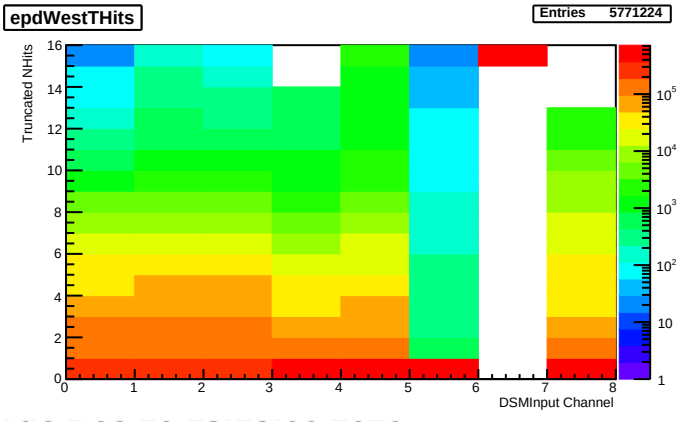
Data-Simu
DSM Input Channel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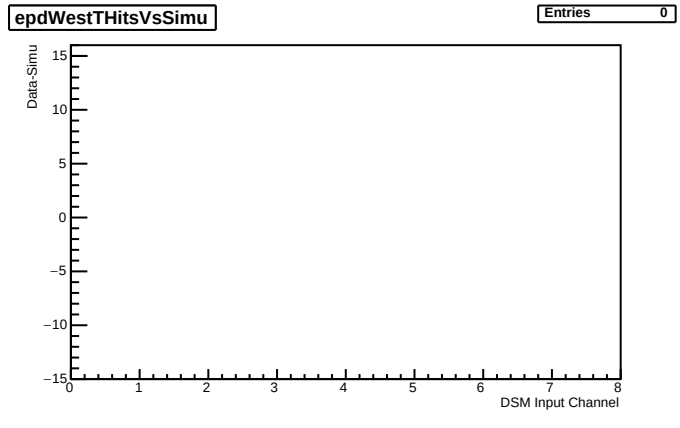
Entries 5771224
Truncated NHits
DSMInput Channel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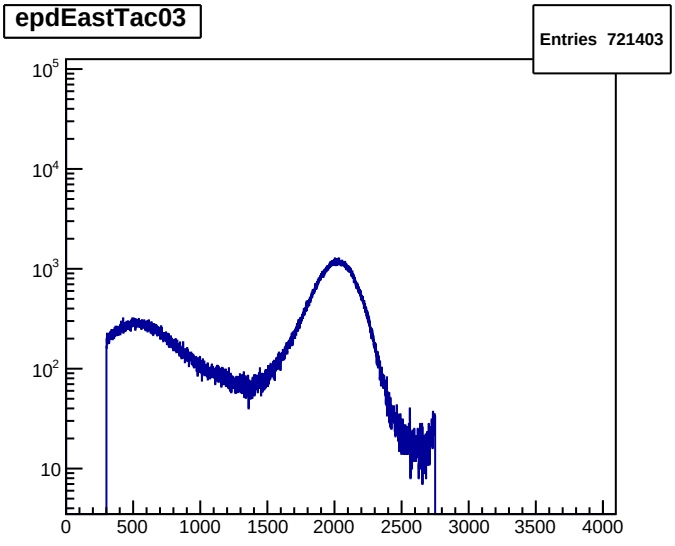
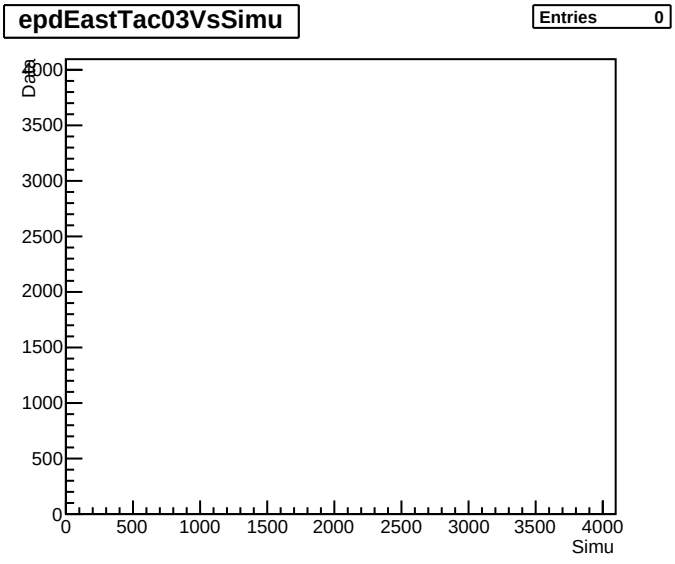
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 721403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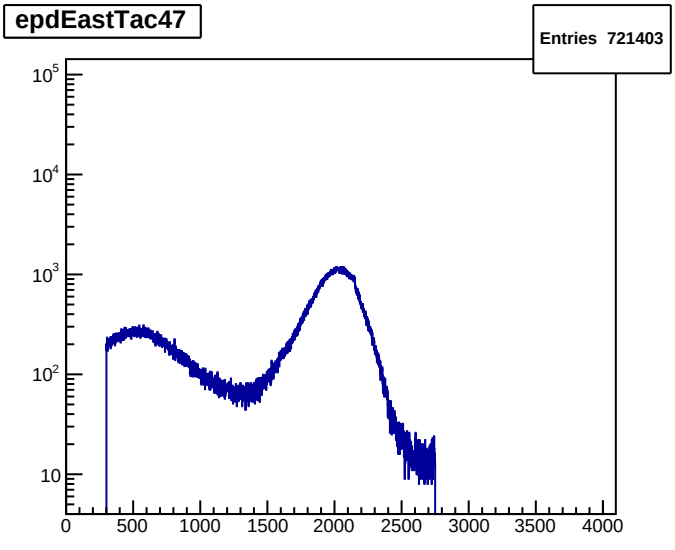
Entries 0
Data
Simu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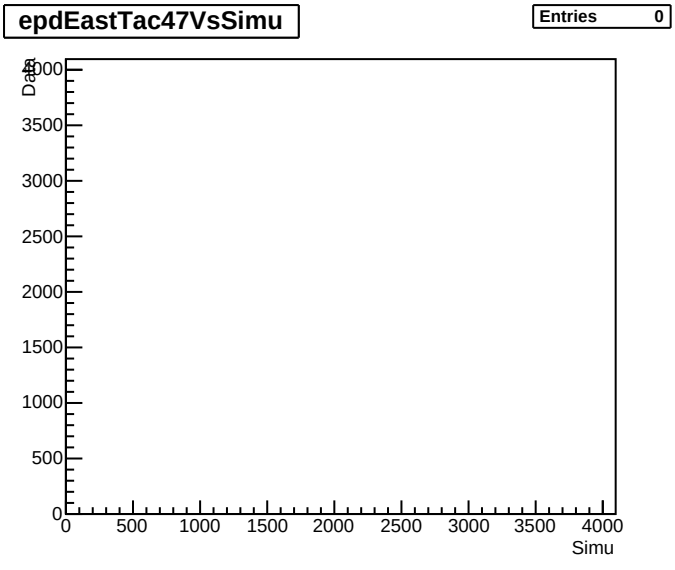
Entries 721403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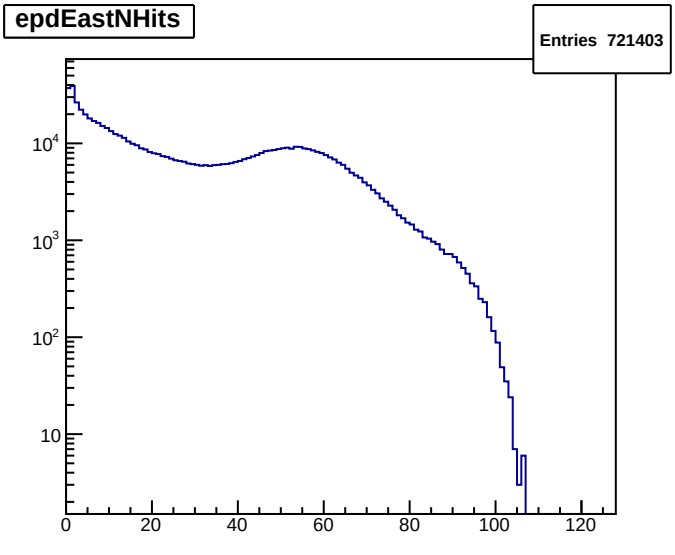
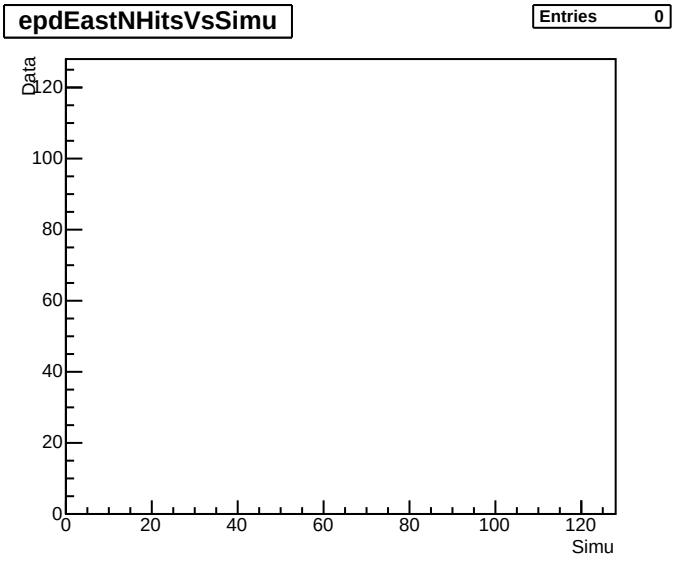
Entries 0
Data
Simu


epdEastNHits
Entries 721403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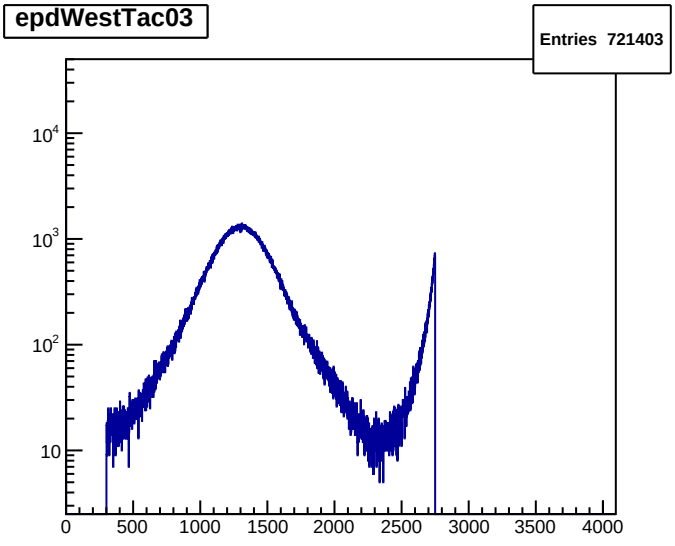
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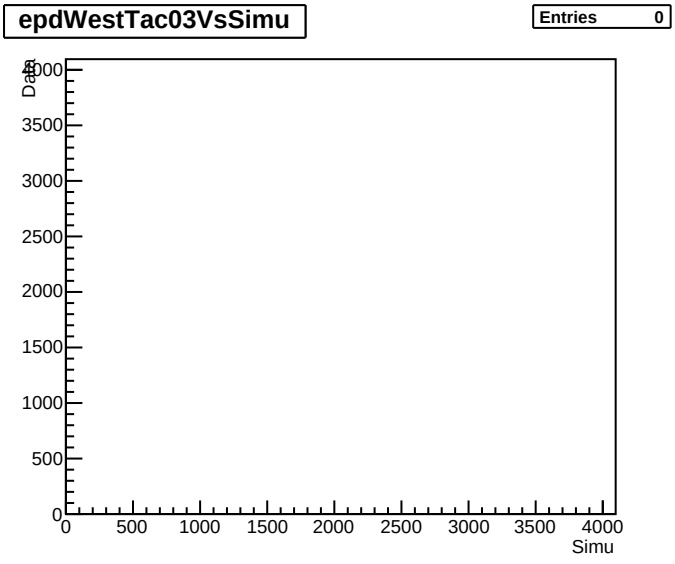
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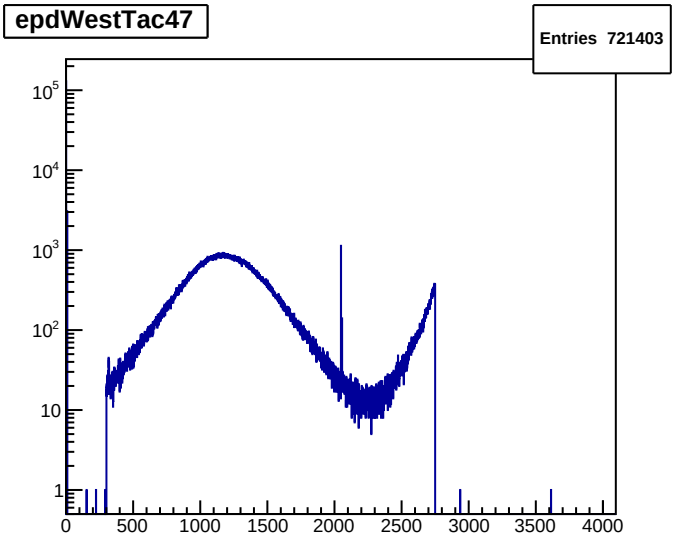
Entries 0
Data
Simu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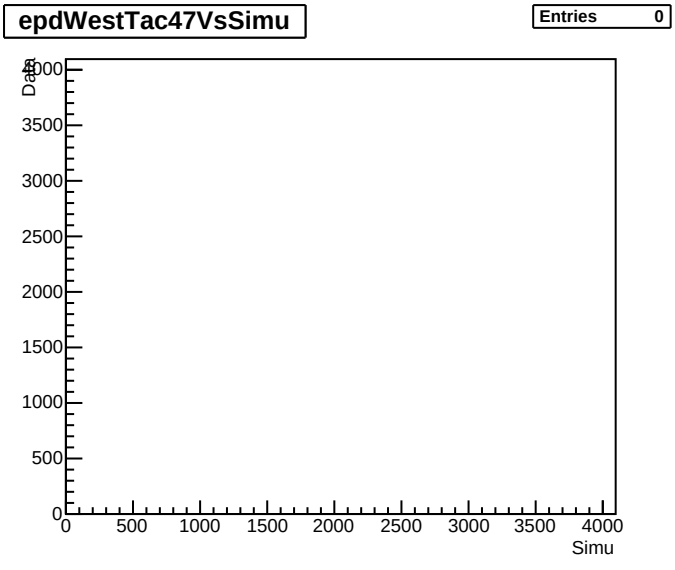
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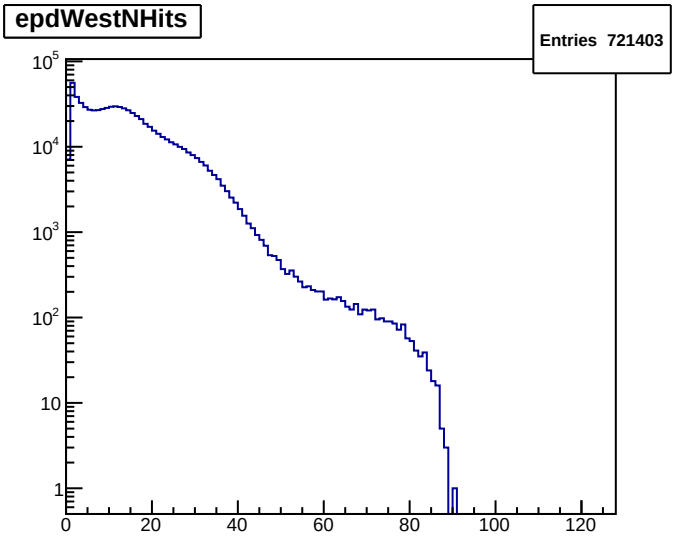
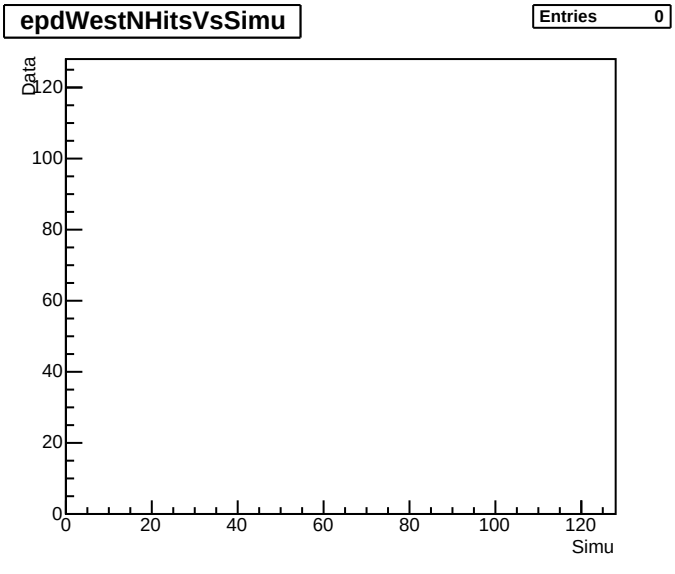
Entries 0
Data
Simu


epdWestNHits
Entries 721403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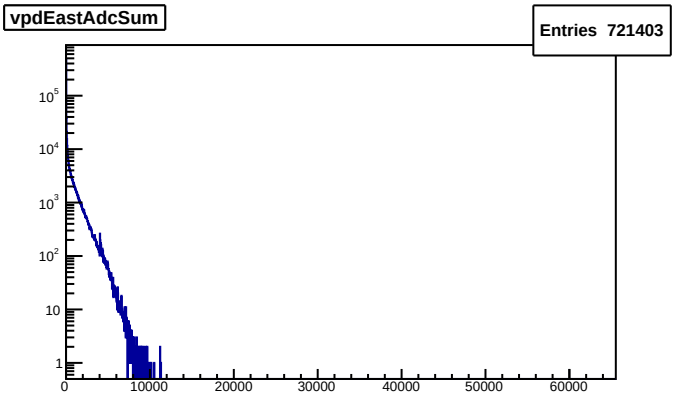
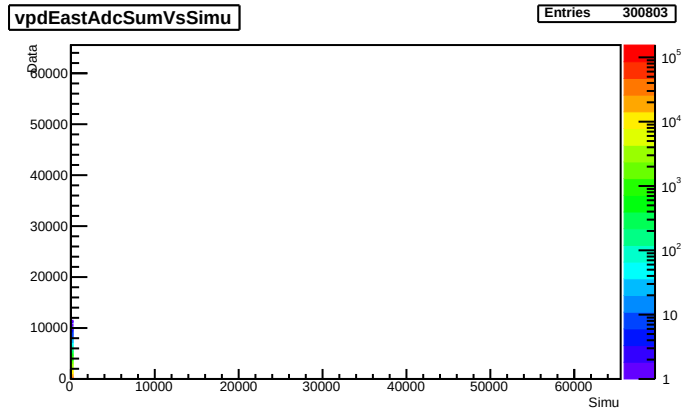
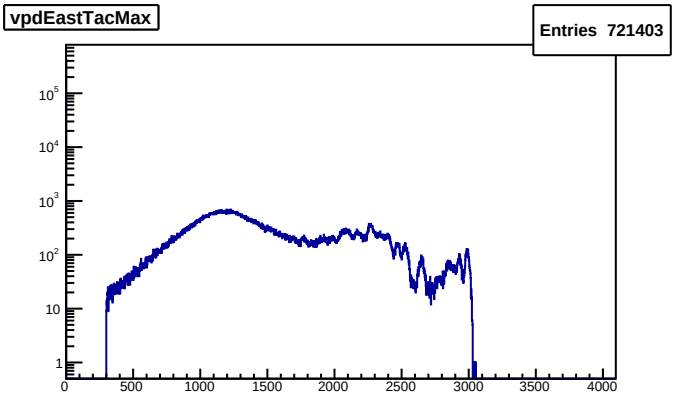
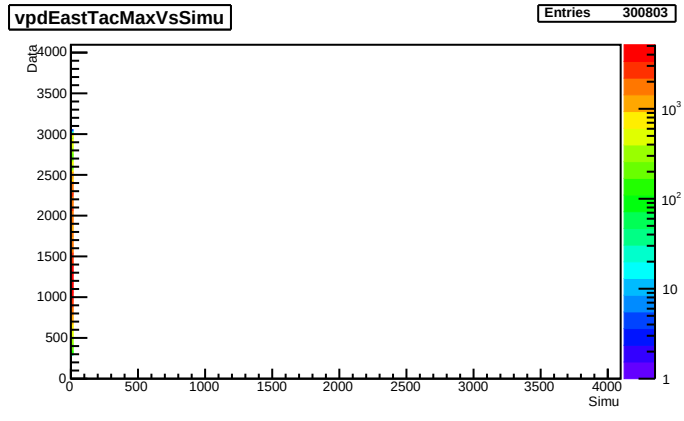
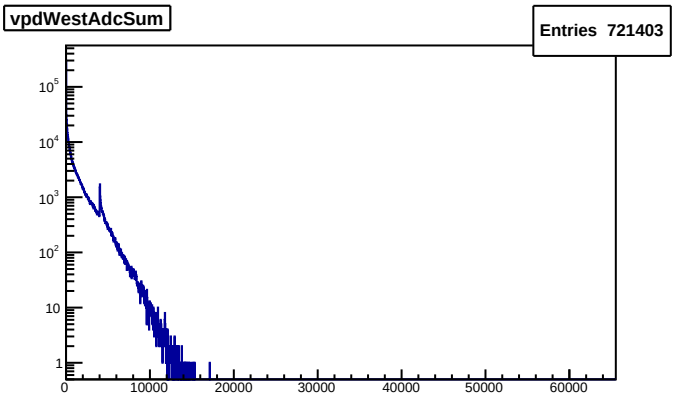
Entries 0
Data
Simu

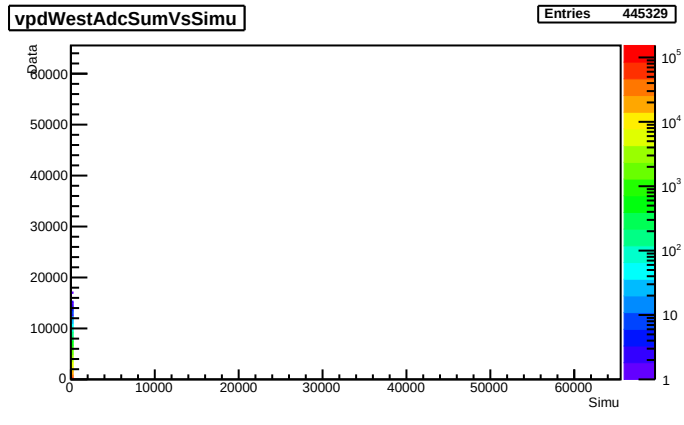

vpdEastAdcSum
Entries 721403

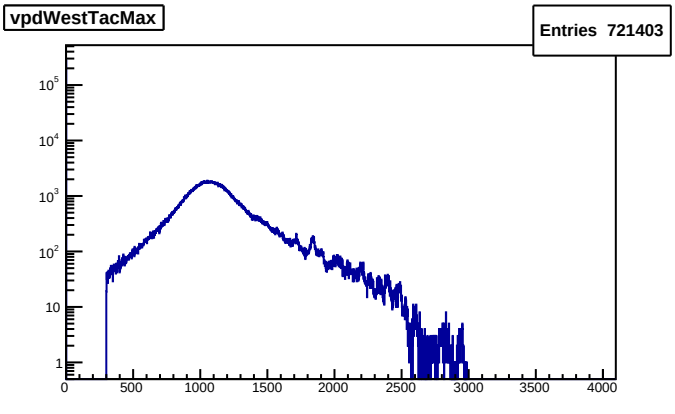

vpdEastAdcSumVsSimu
Entries 300803
Data
Simu

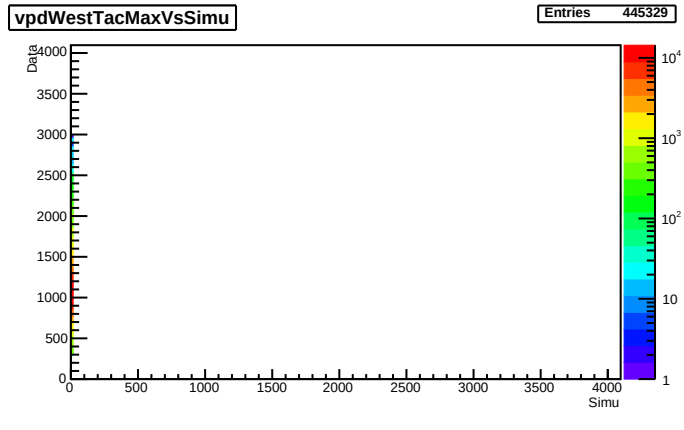

vpdEastTacMax
Entries 721403

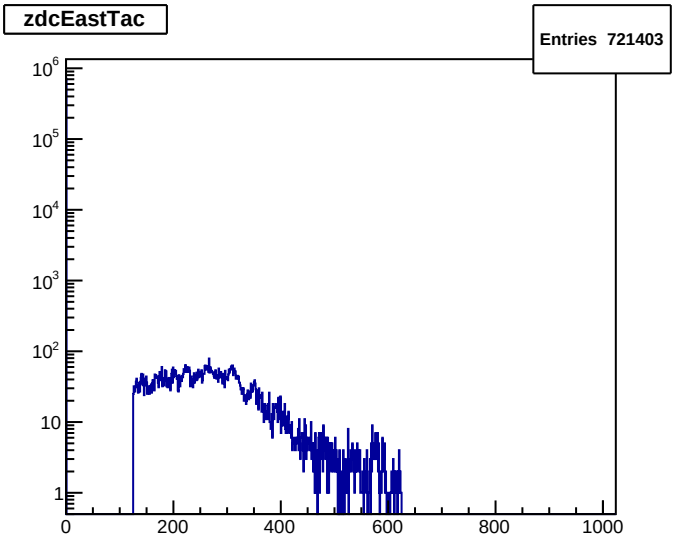

vpdEastTacMaxVsSimu
Entries 300803
Data
Simu

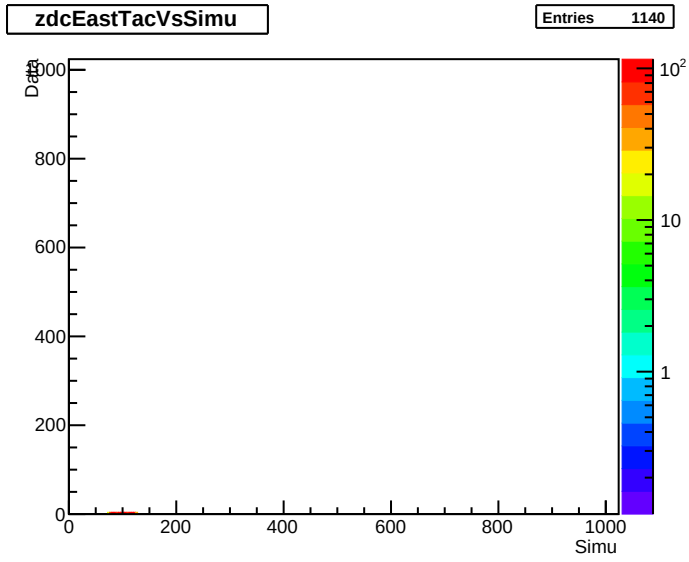

vpdWestAdcSum
Entries 721403

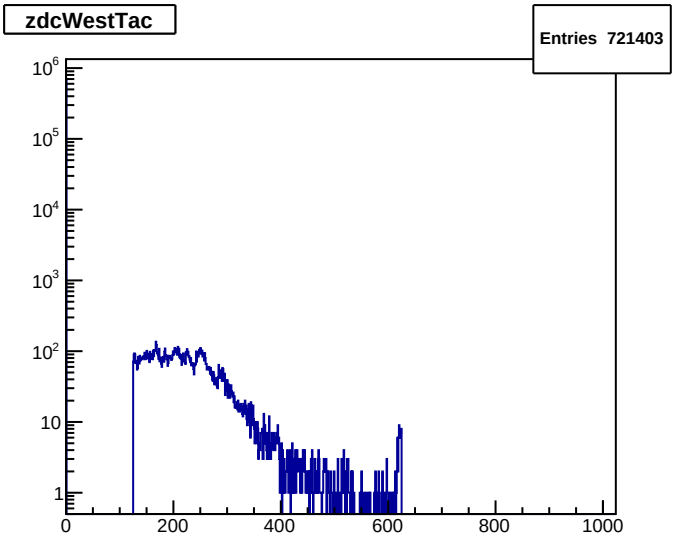

vpdWestAdcSumVsSimu
Entries 445329
Data
Simu

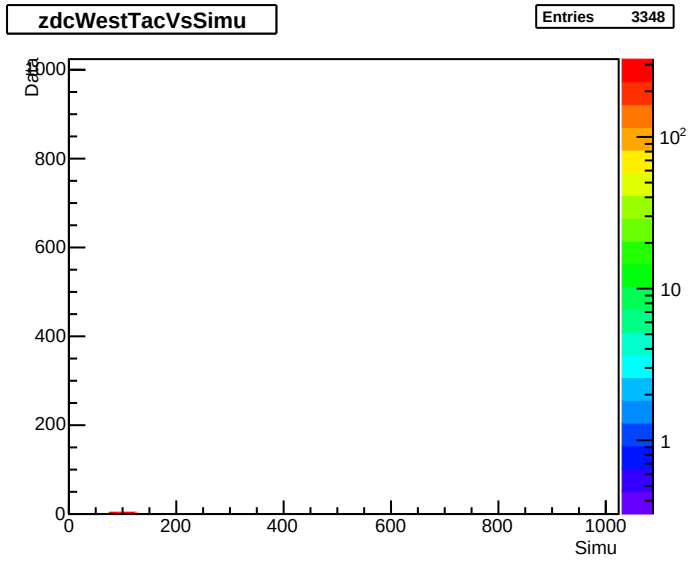

vpdWestTacMax
Entries 721403

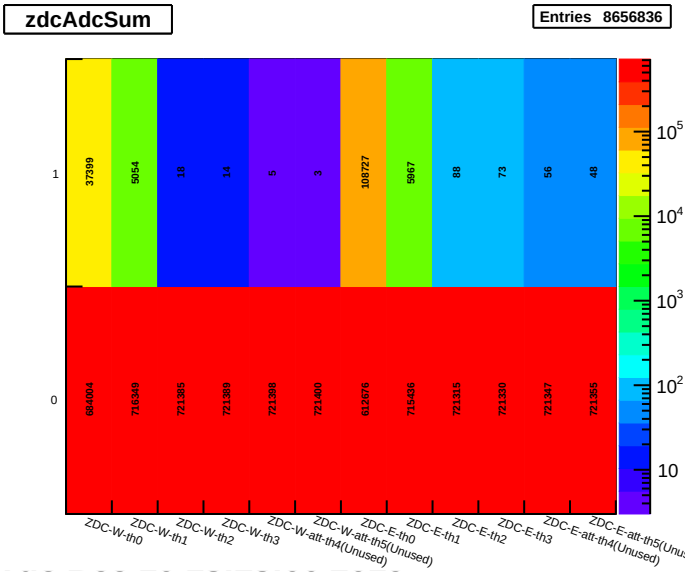

vpdWestTacMaxVsSimu
Entries 445329
Data
Simu

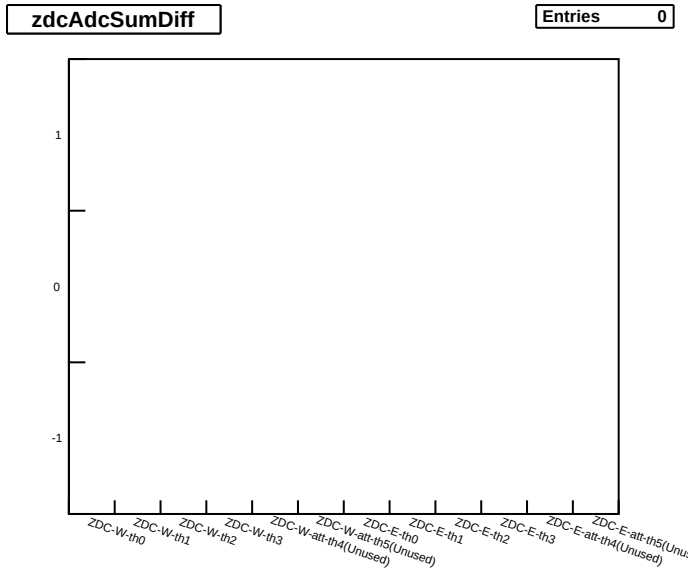

zdcEastTac
Entries 721403


zdcEastTacVsSimu
Entries 1140
Data
Simu


zdcWestTac
Entries 721403


zdcWestTacVsSimu
Entries 3348
Data
Simu


zdcAdcSum
Entries 8656836
37399
5054
18
14
5
3
108727
5967
88
73
56
48
684004
716349
721385
721389
721398
721400
612676
715436
721315
721330
721347
721355
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
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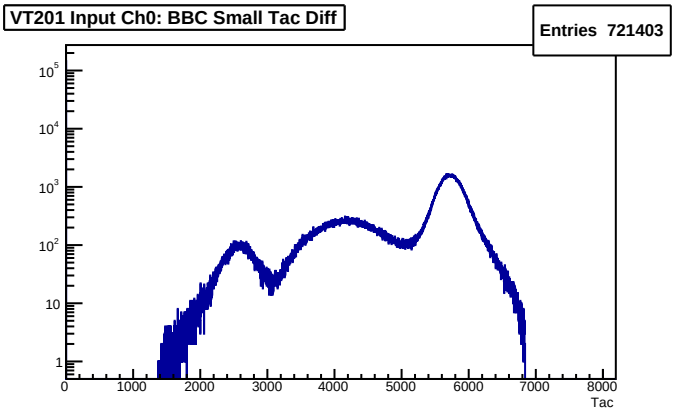
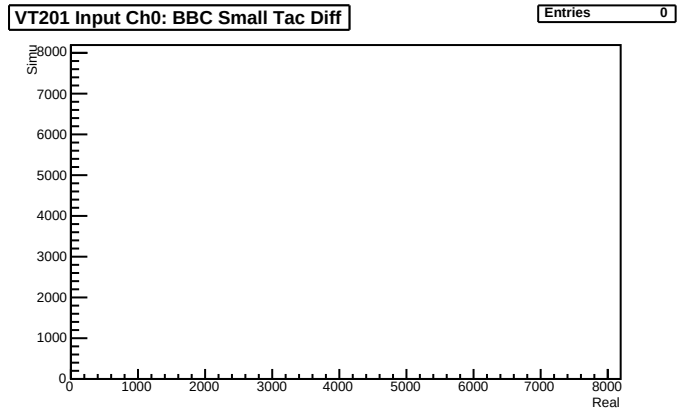
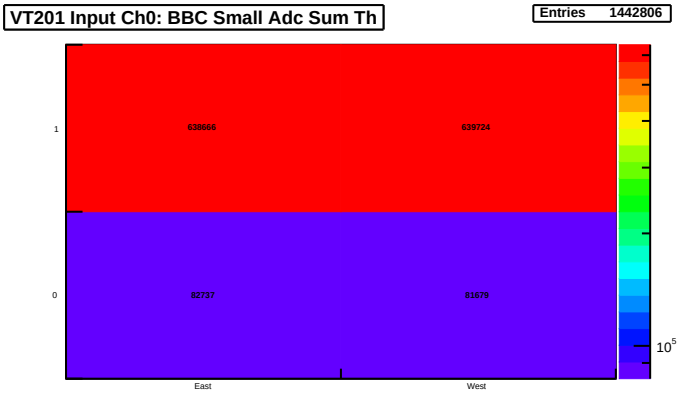
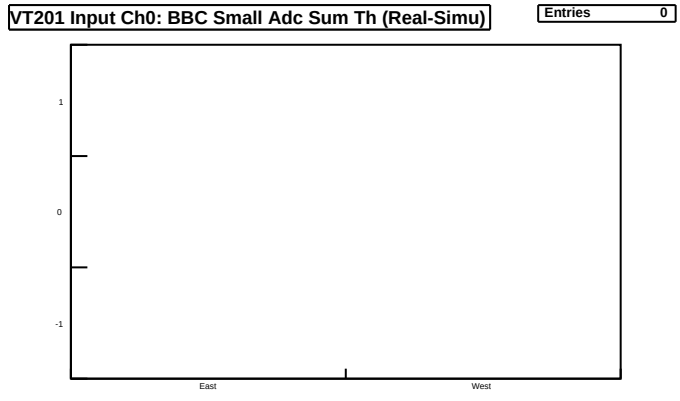
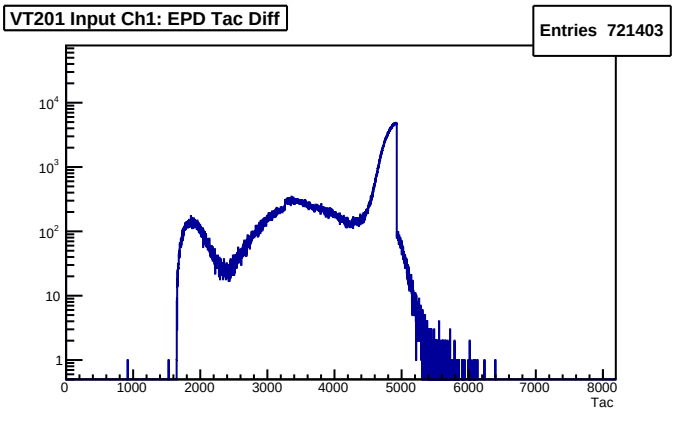
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

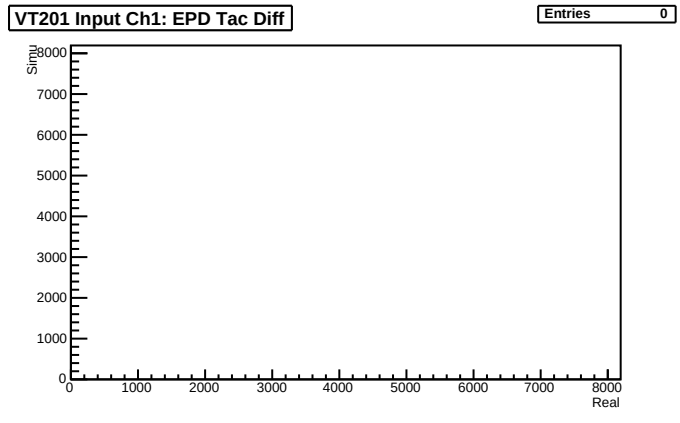

VT201 Input Ch0: BBC Small Tac Diff
Entries 721403
Tac

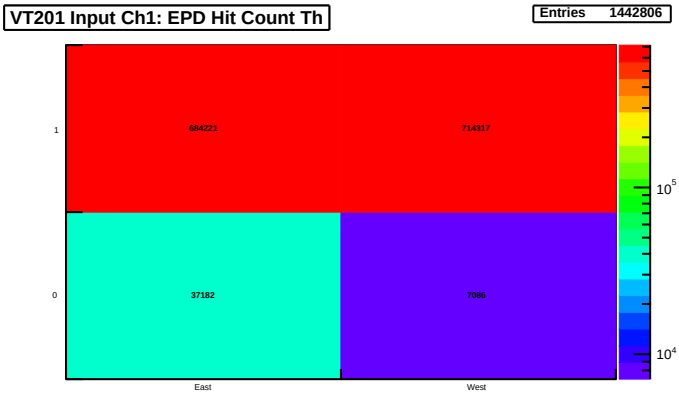

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

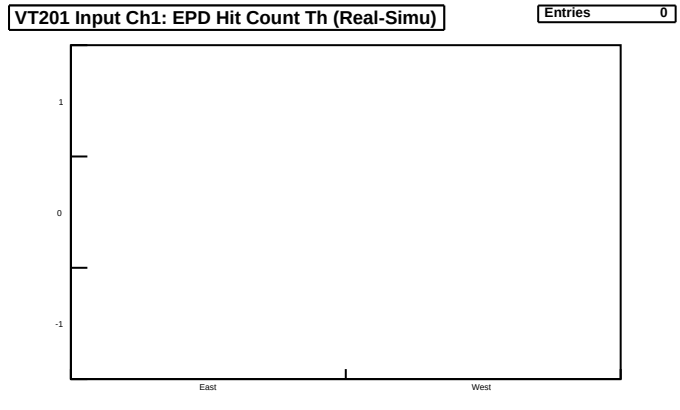

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1442806
638666
639724
82737
81679
East
West

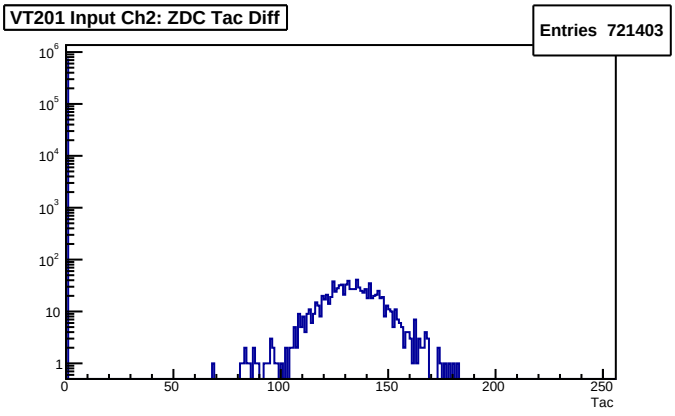

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

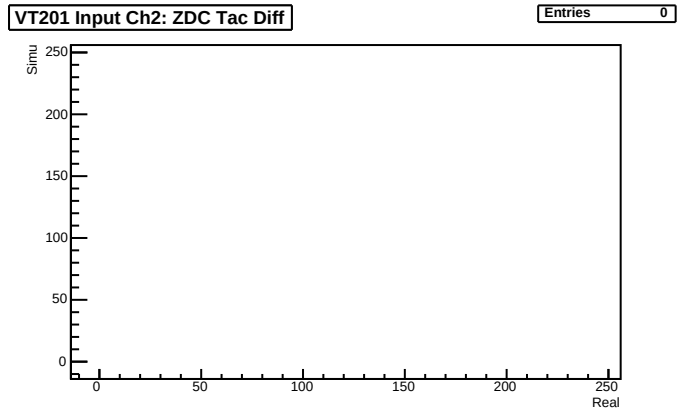

VT201 Input Ch1: EPD Tac Diff
Entries 721403
Tac

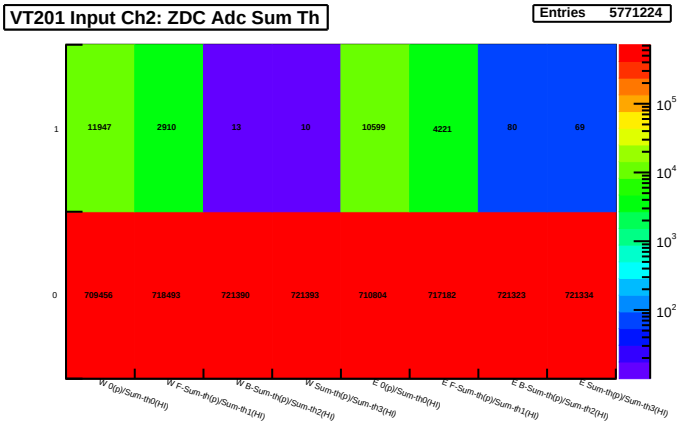

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

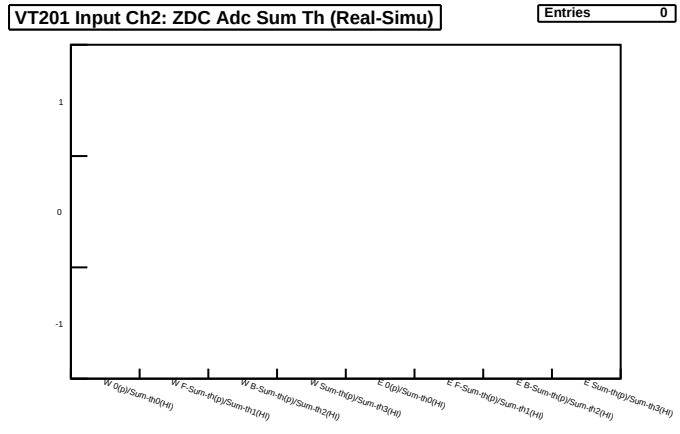

VT201 Input Ch1: EPD Hit Count Th
Entries 1442806
684221
714317
37182
7086
East
West

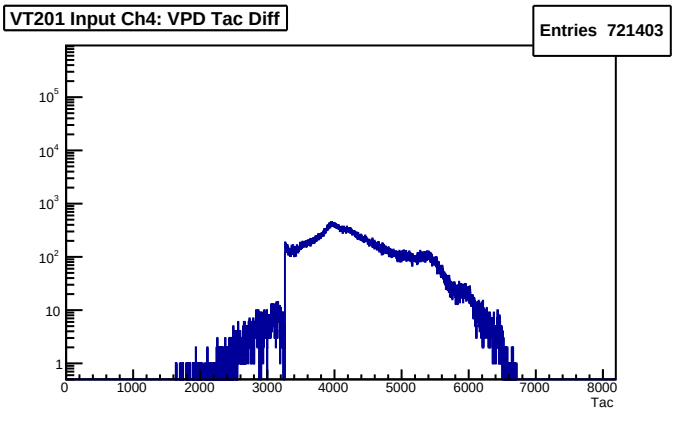

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

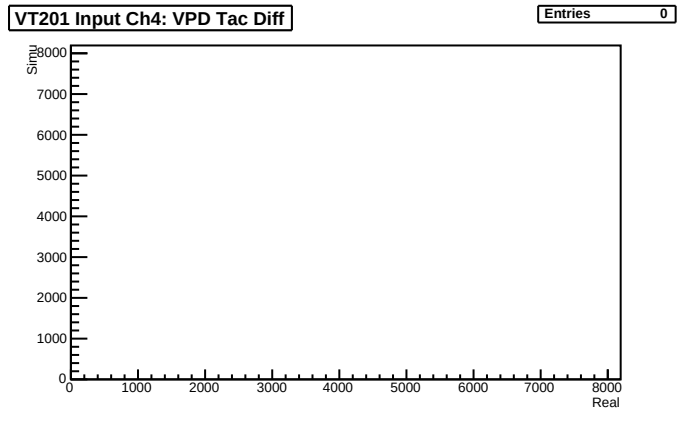

VT201 Input Ch2: ZDC Tac Diff
Entries 721403
Tac

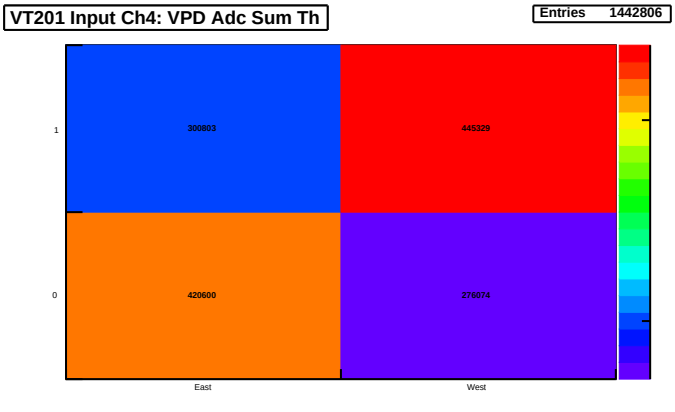

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

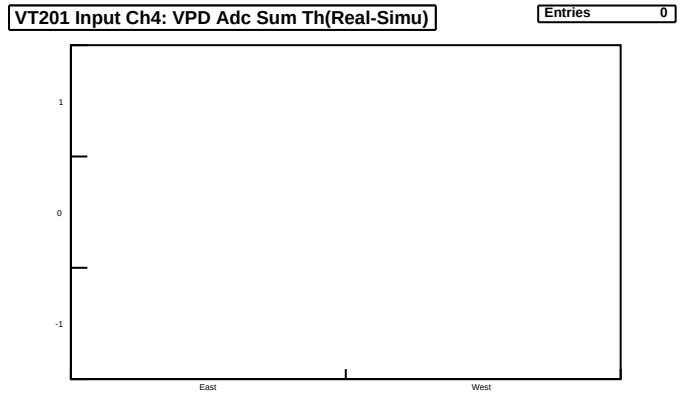

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5771224
11947
2910
13
10
10599
4221
80
69
709456
718493
721390
721393
710804
717182
721323
721334
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

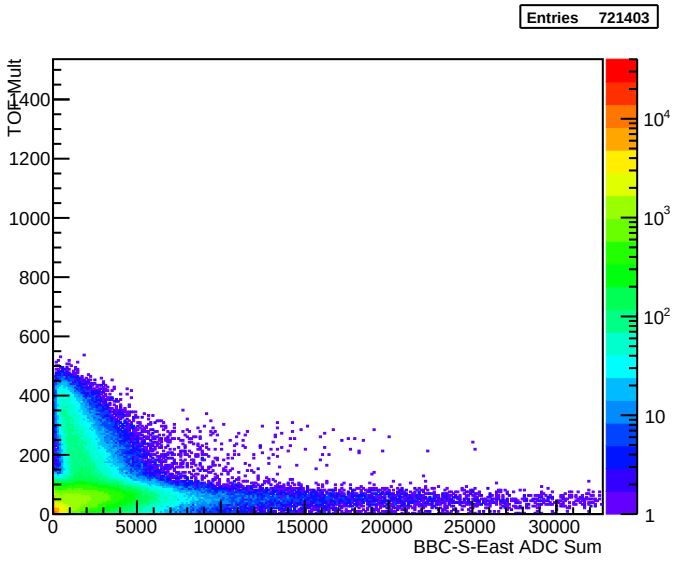

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

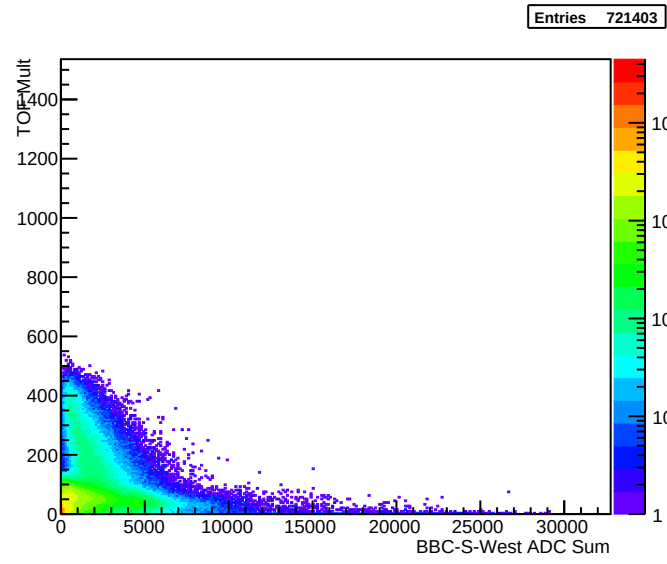

VT201 Input Ch4: VPD Tac Diff
Entries 721403
Tac

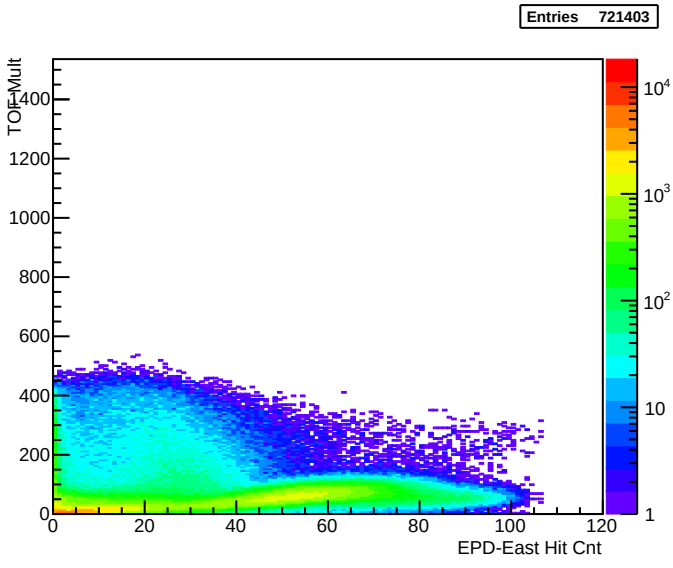

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

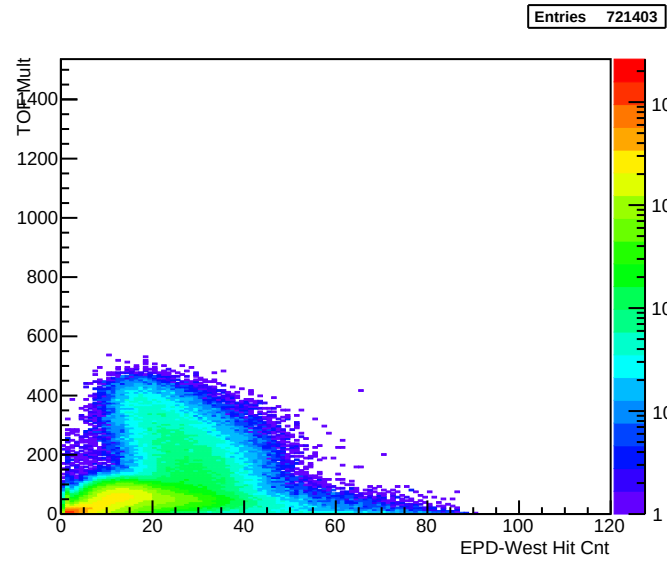

VT201 Input Ch4: VPD Adc Sum Th
Entries 1442806
300803
445329
420600
276074
East
West

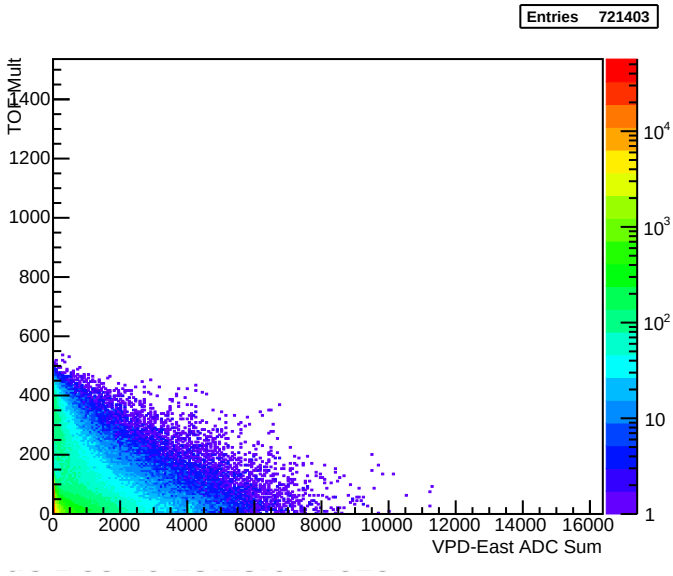

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

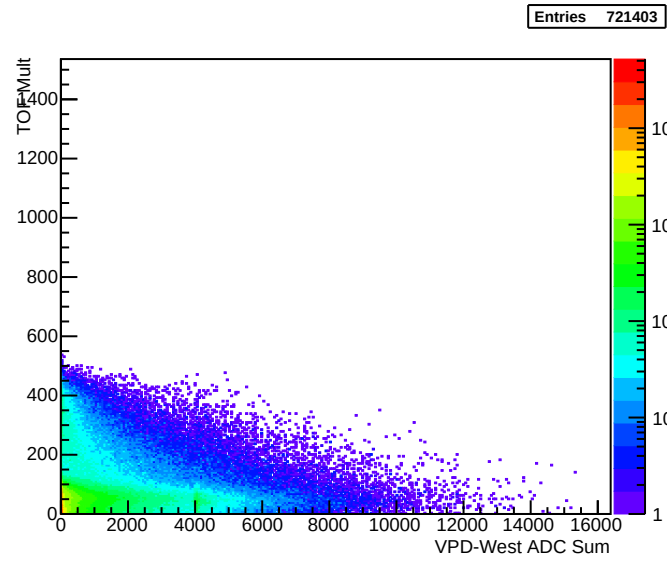

Entries 721403
TOF-Mult
BBC-S-East ADC Sum

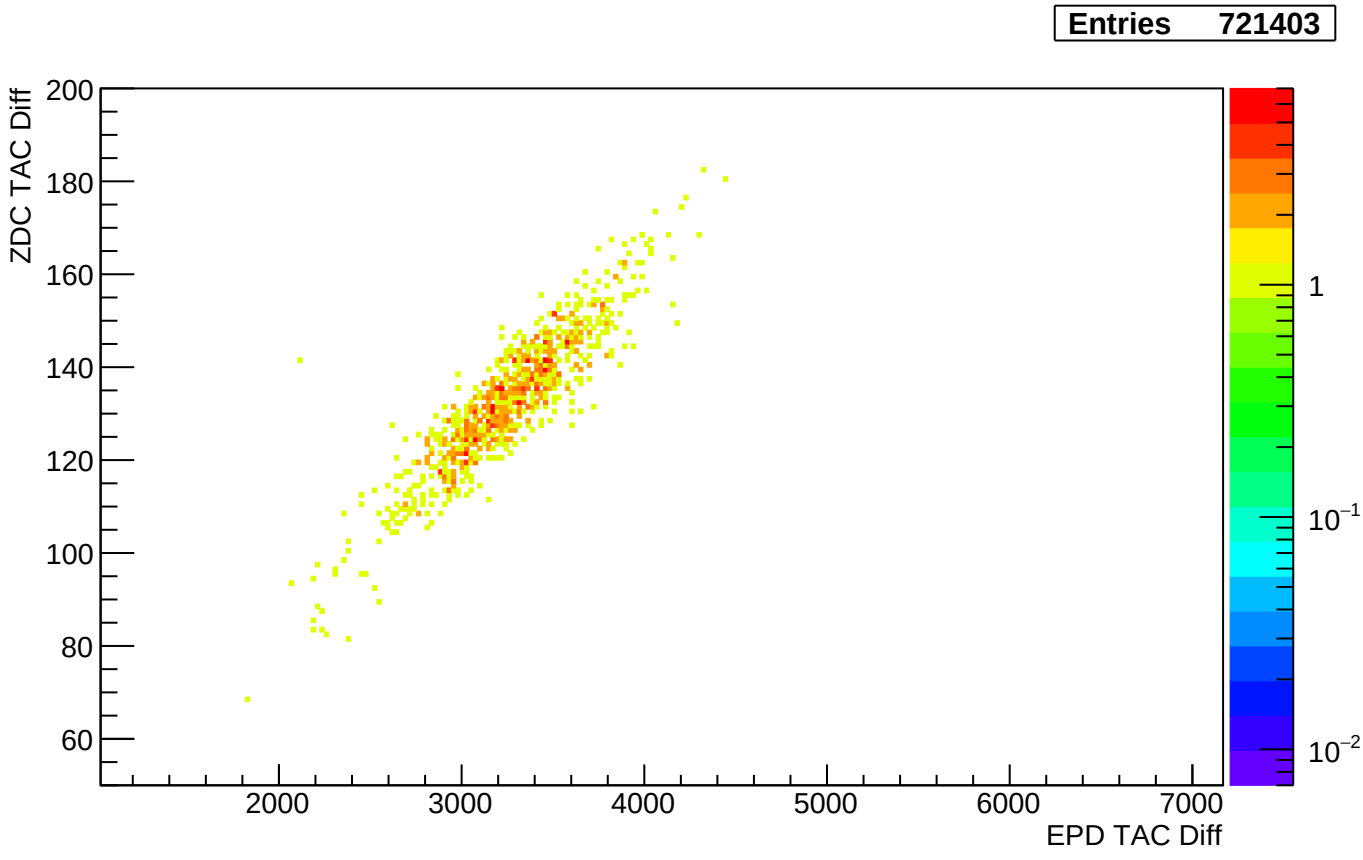

Entries 721403
TOF-Mult
BBC-S-West ADC Sum

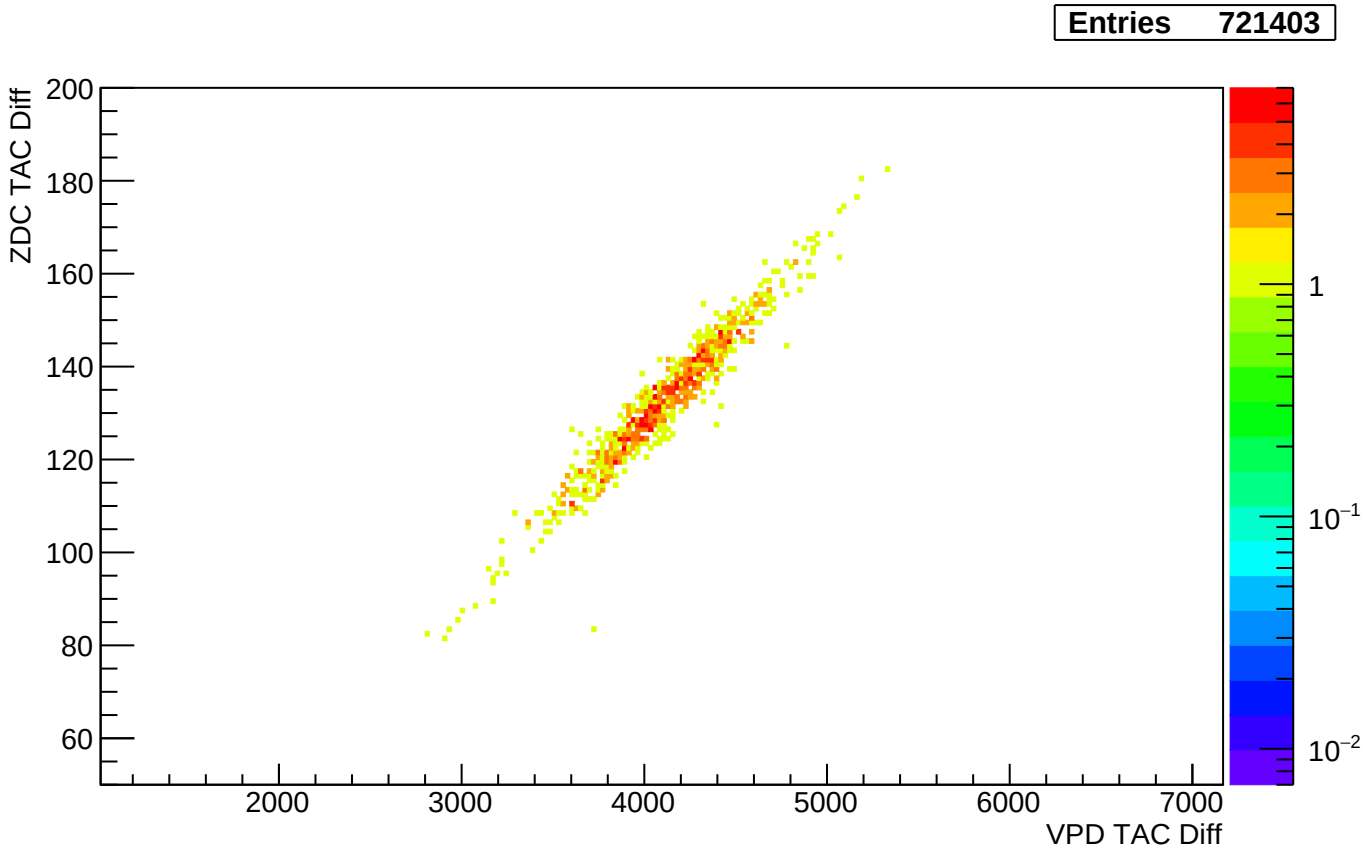

Entries 721403
TOF-Mult
EPD-East Hit Cnt

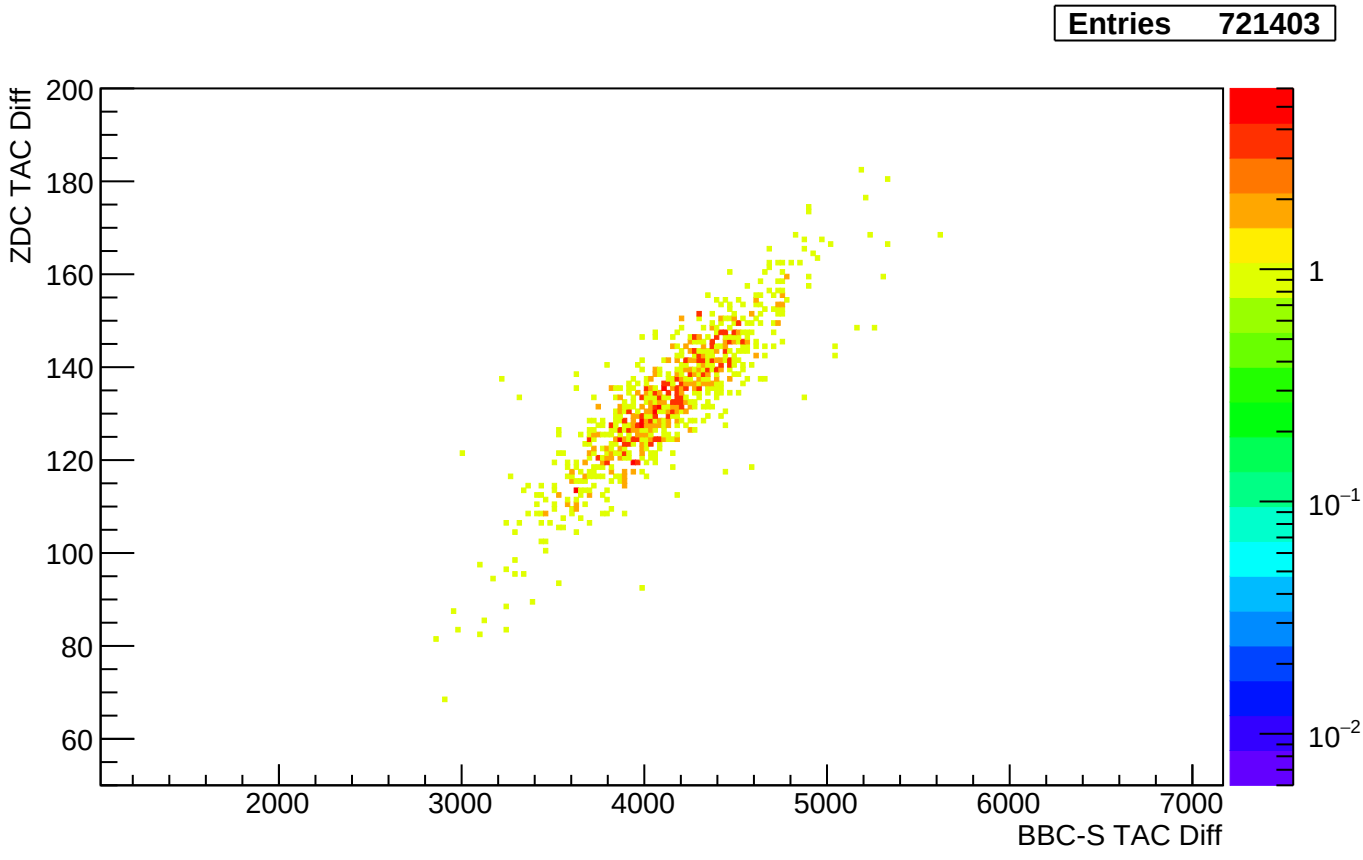

Entries 721403
TOF-Mult
EPD-West Hit Cnt

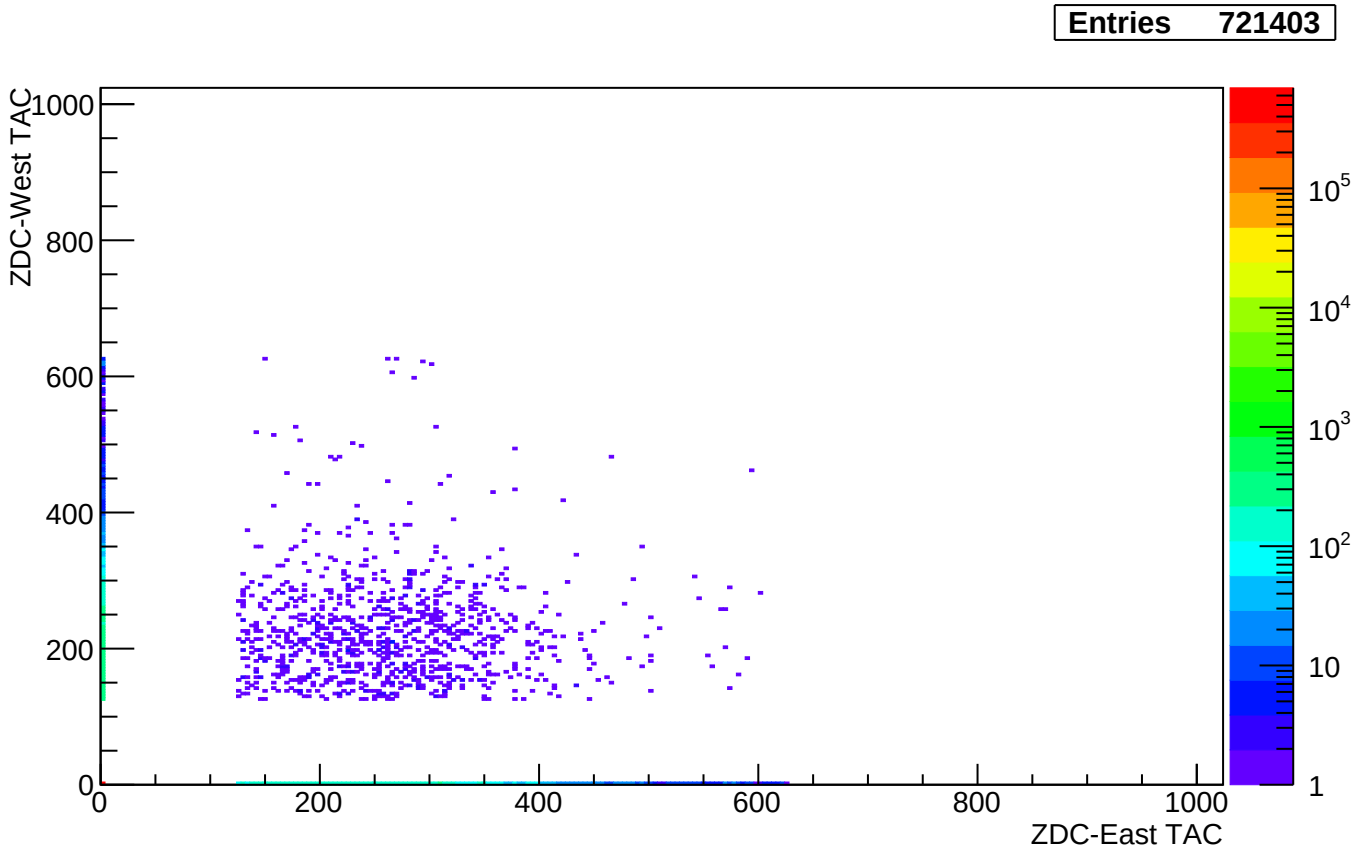

Entries 721403
TOF-Mult
VPD-East ADC Sum

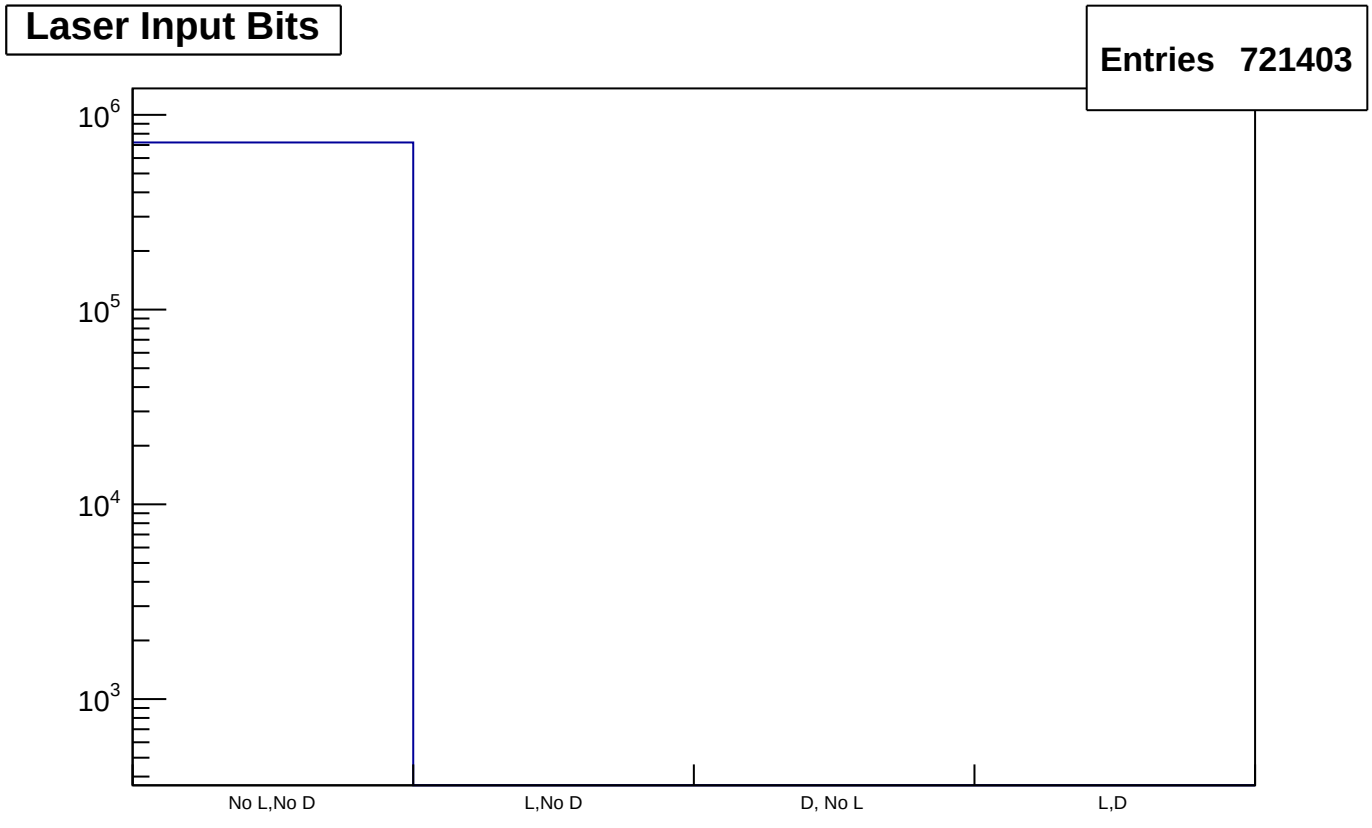

Entries 721403
TOF-Mult
VPD-West ADC Sum

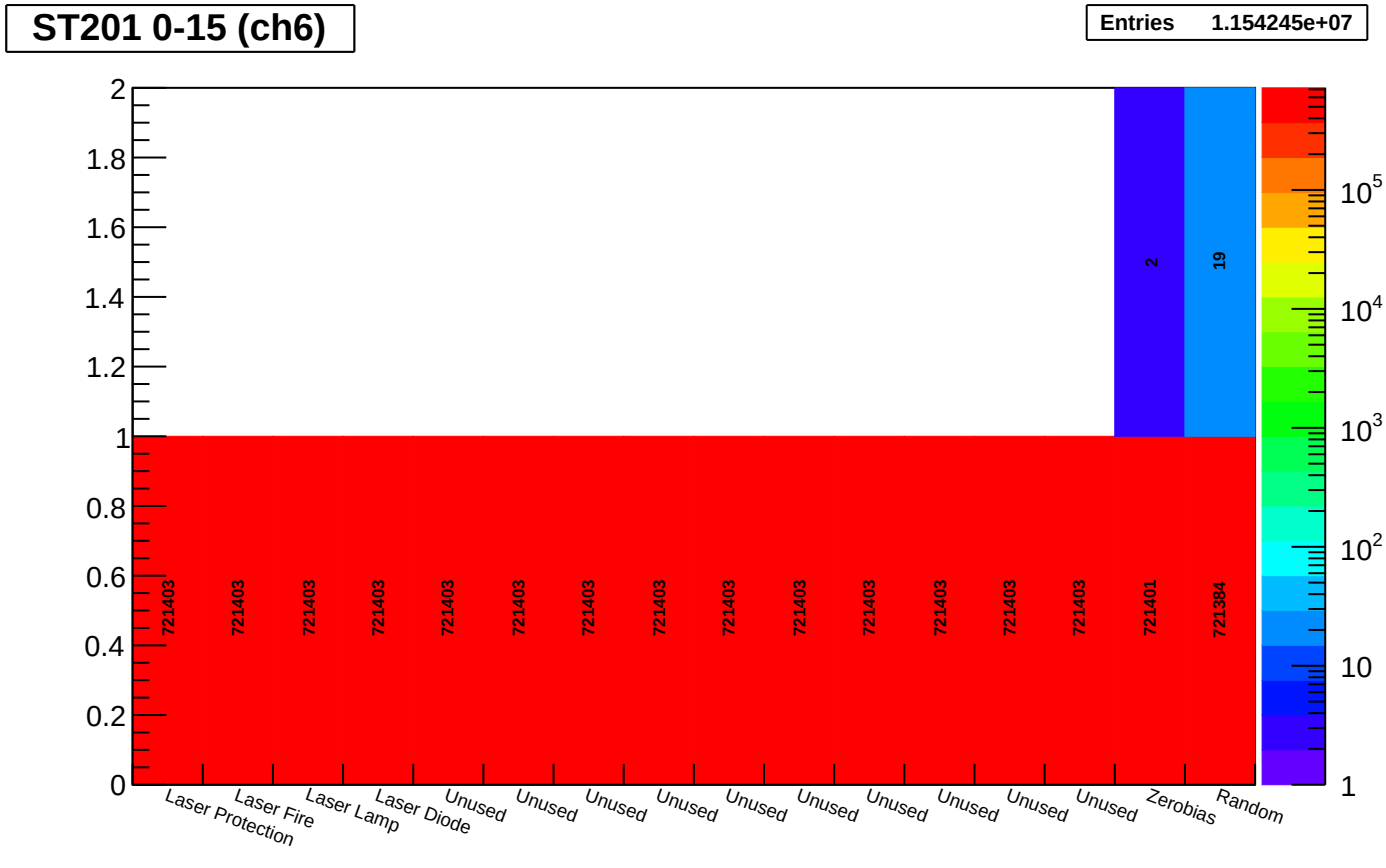

Entries 721403
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}


Entries 721403
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

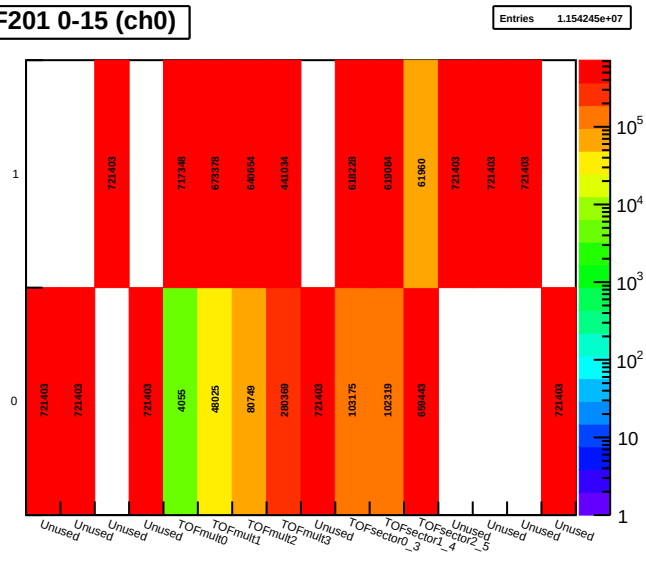

Entries 721403
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}


Entries 721403
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

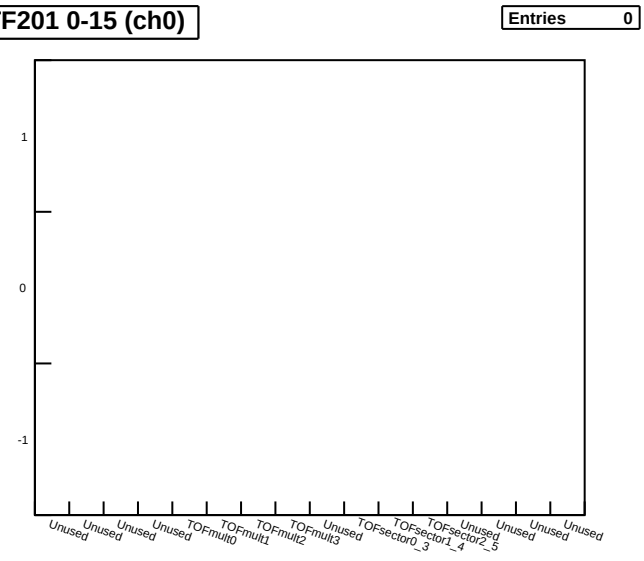

Laser Input Bits
Entries 721403
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 1.154245e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
721403
721403
721403
721403
721403
721403
721403
721403
721403
721403
721403
721403
721403
721403
721401
721384
2
19
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

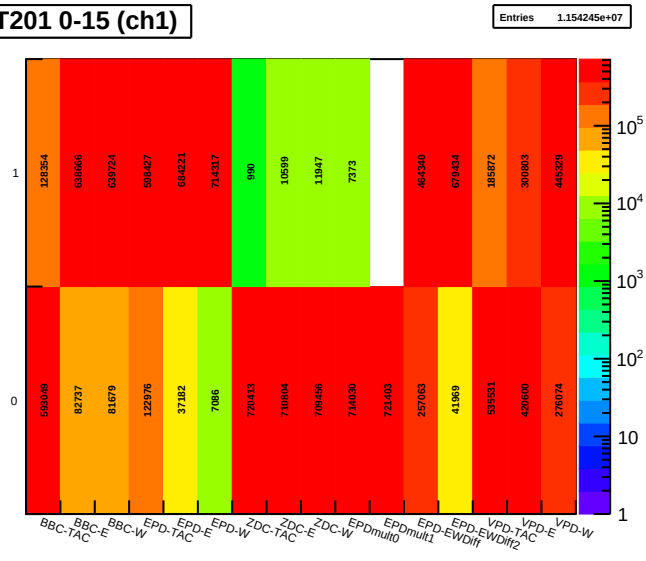
TF201 0-15 (ch0)



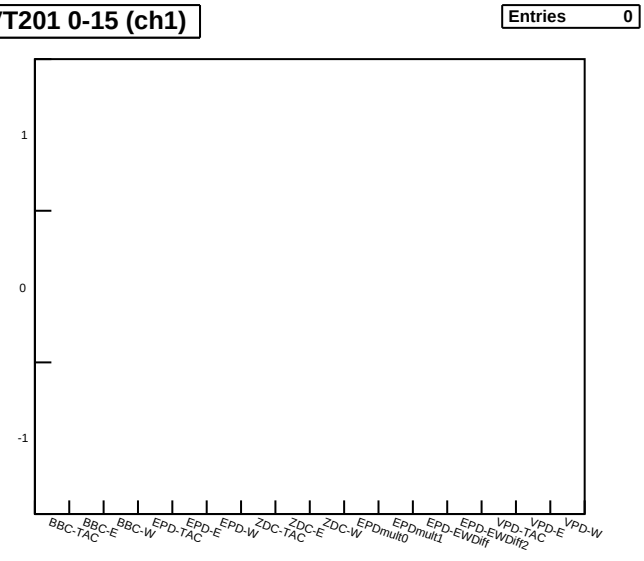
TF201 0-15 (ch0)



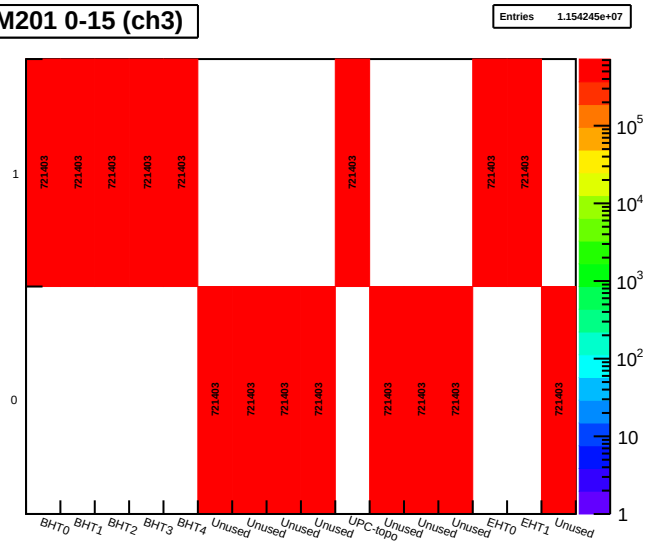
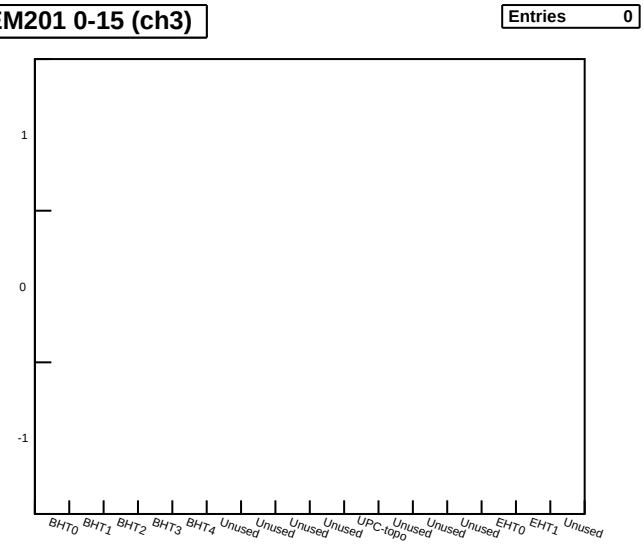
VT201 0-15 (ch1)



VT201 0-15 (ch1)



EM201 0-15 (ch3)



EM201 0-15 (ch3)