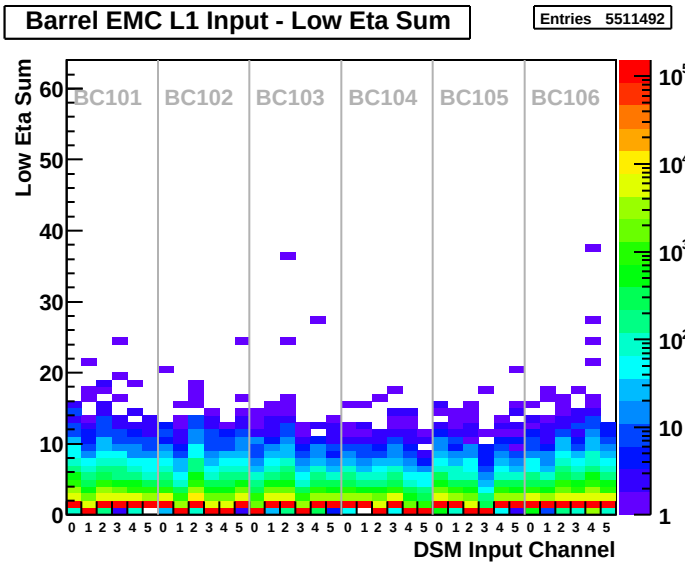
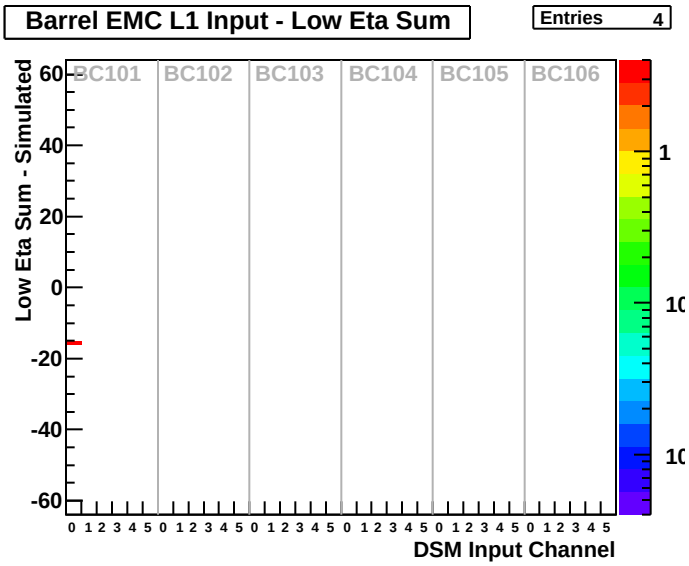
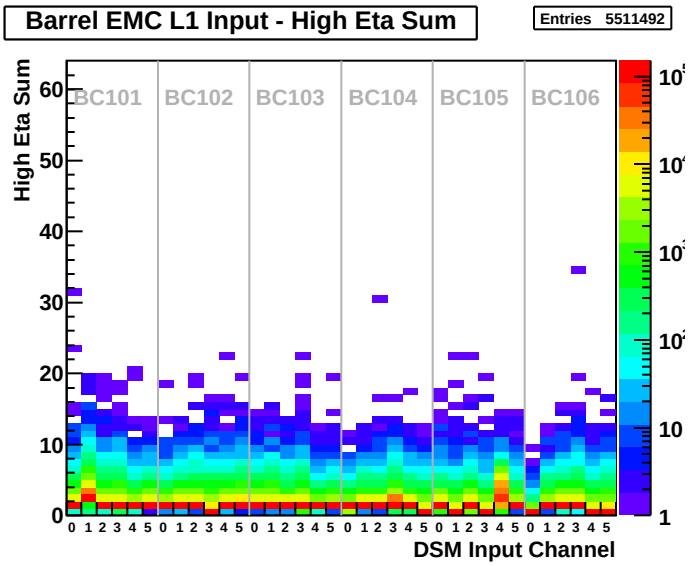
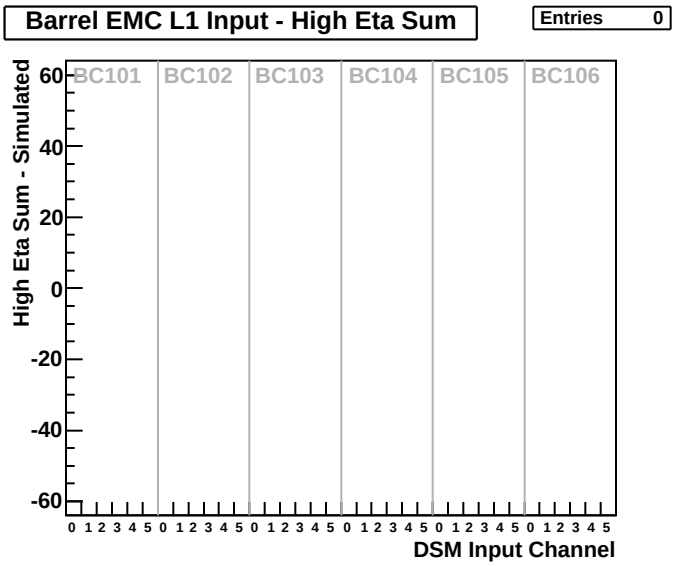
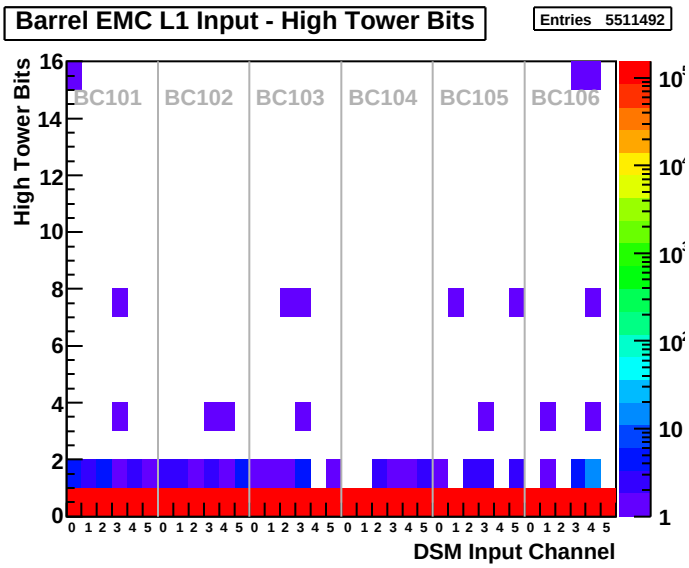
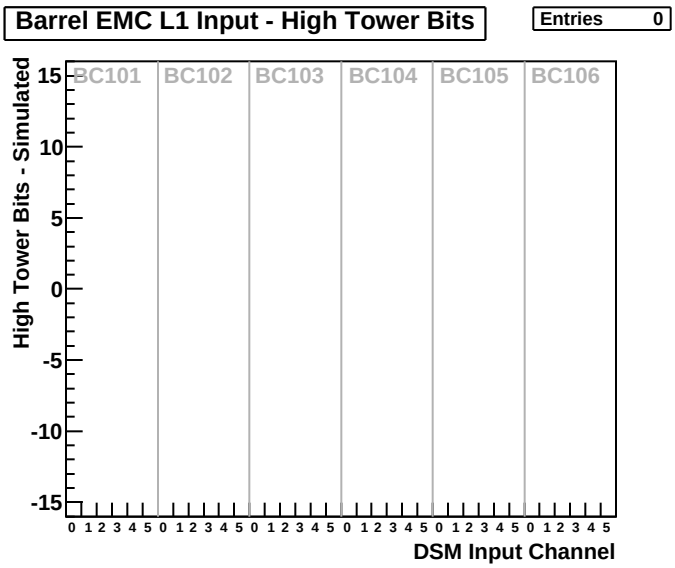

Barrel EMC L1 Input - Low Eta Sum
Entries 5511492
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

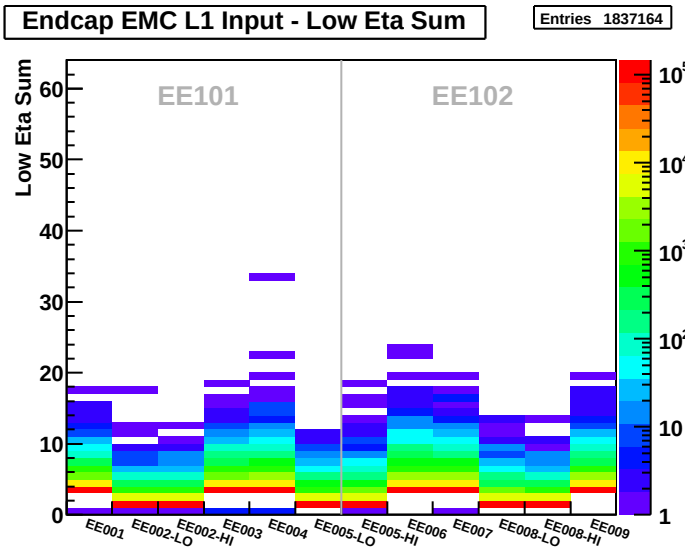

Barrel EMC L1 Input - Low Eta Sum
Entries 4
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

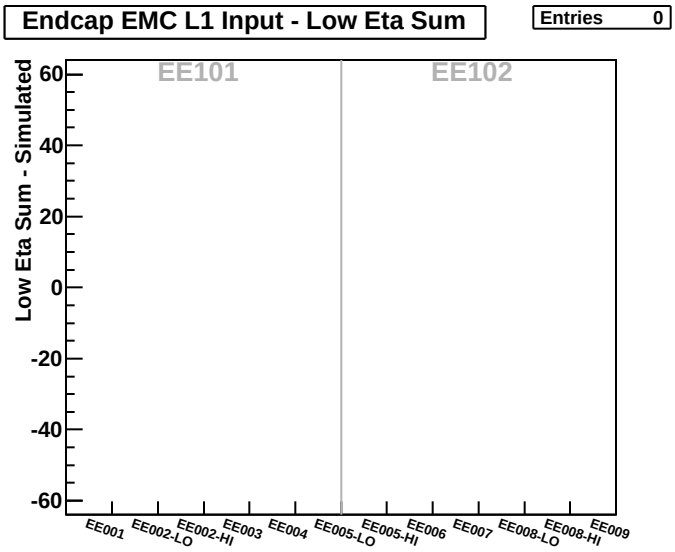

Barrel EMC L1 Input - High Eta Sum
Entries 5511492
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

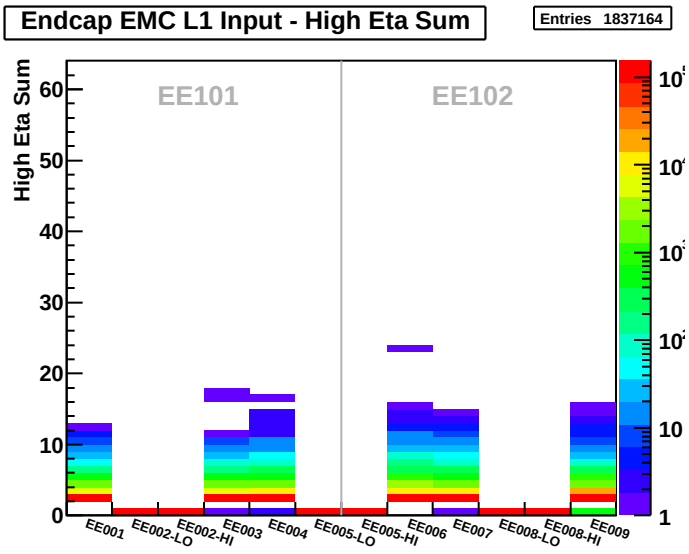

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

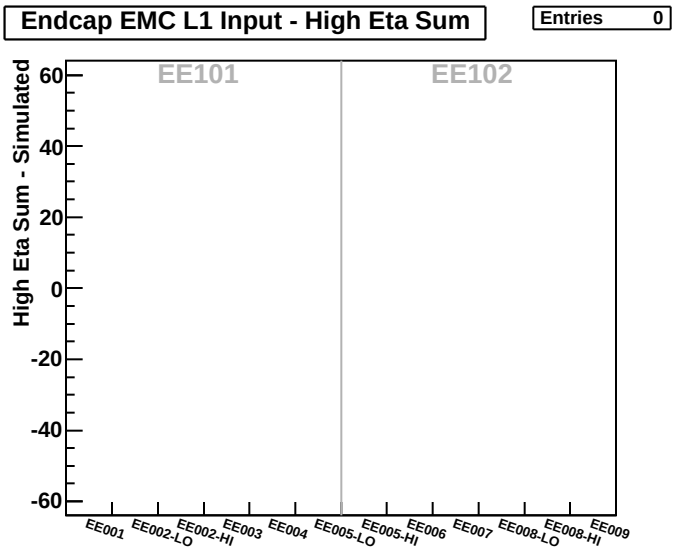

Barrel EMC L1 Input - High Tower Bits
Entries 5511492
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

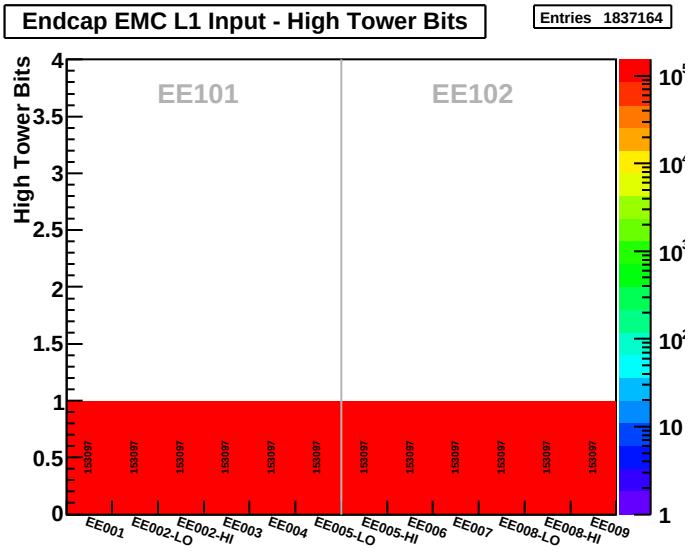

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

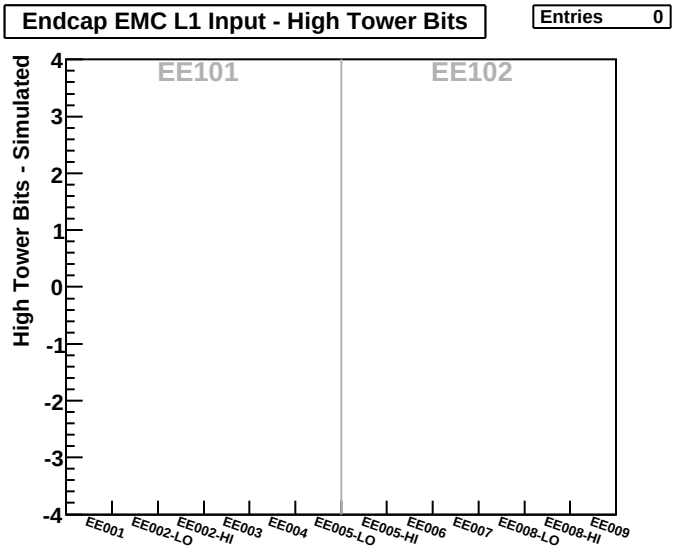

Endcap EMC L1 Input - Low Eta Sum
Entries 1837164
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

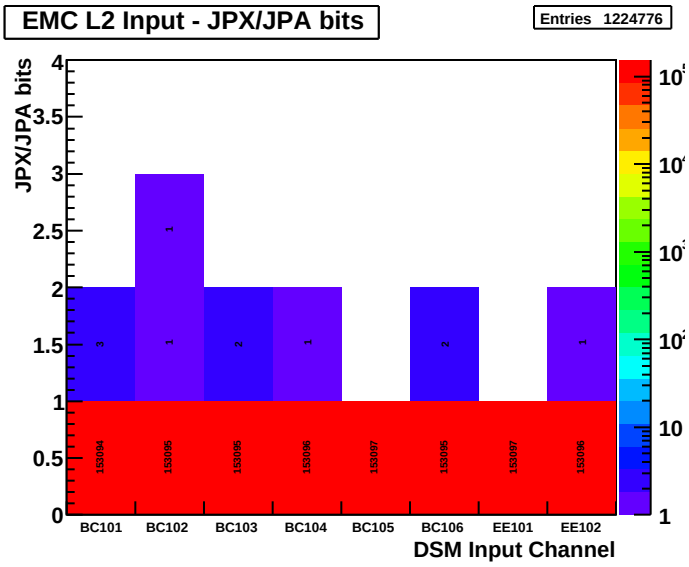

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

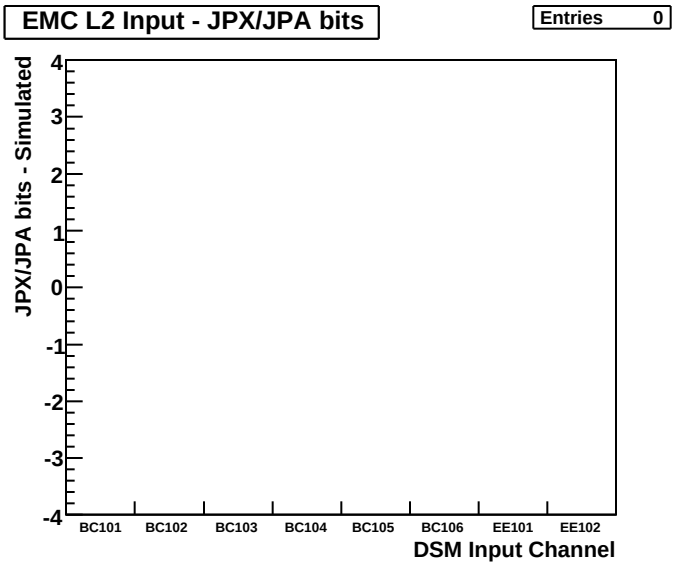

Endcap EMC L1 Input - High Eta Sum
Entries 1837164
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

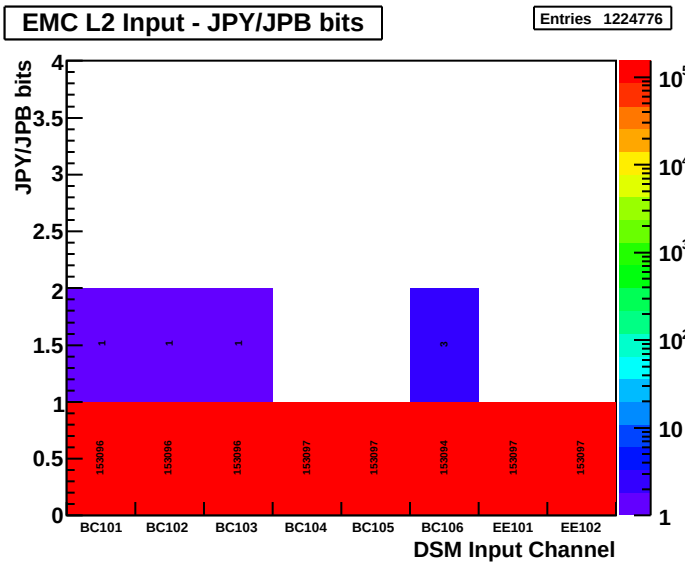

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

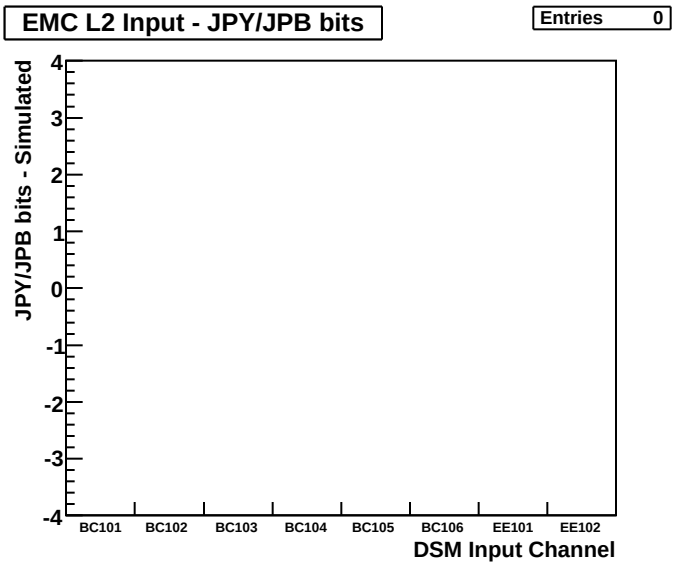

Endcap EMC L1 Input - High Tower Bits
Entries 1837164
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

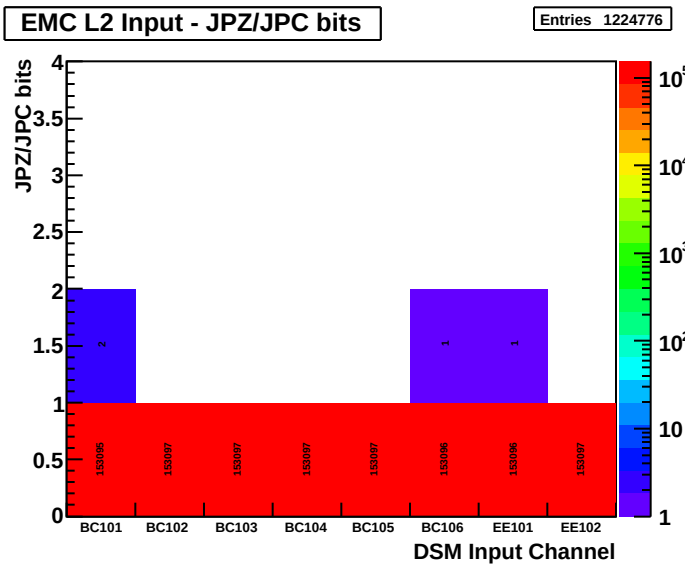

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

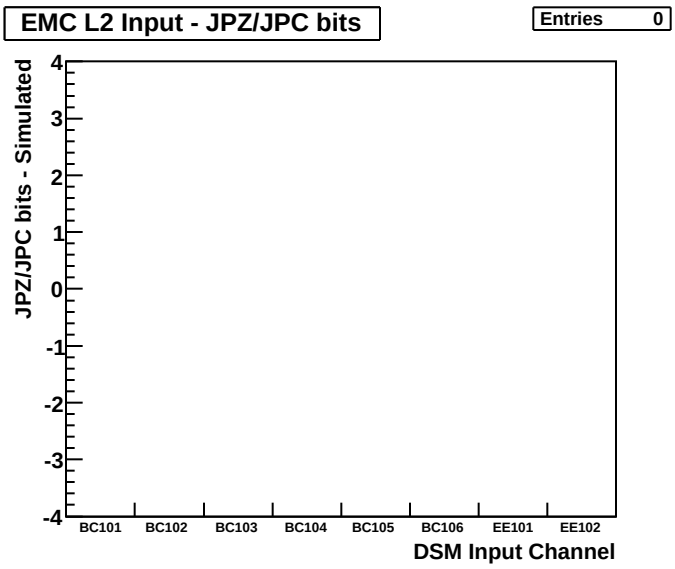

EMC L2 Input - JPX/JPA bits
Entries 1224776
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

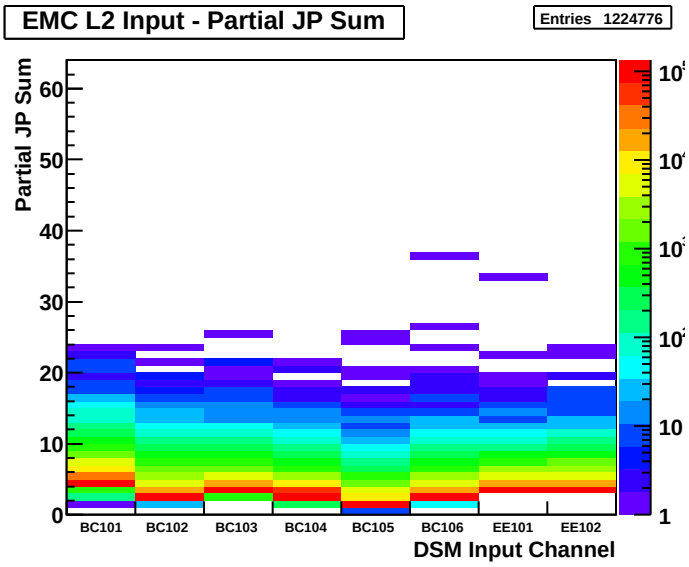

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

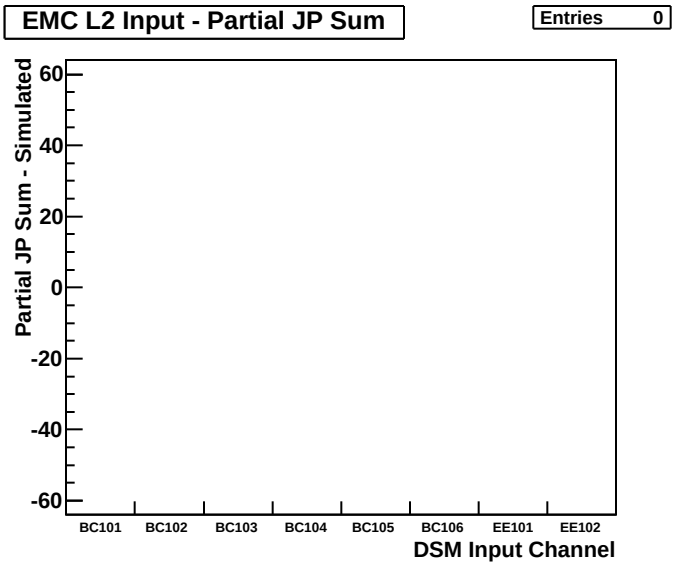

EMC L2 Input - JPY/JPB bits
Entries 1224776
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

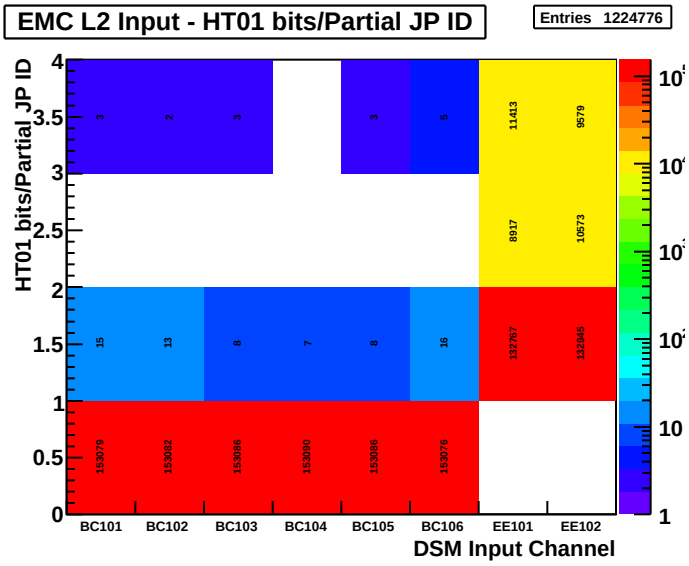

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

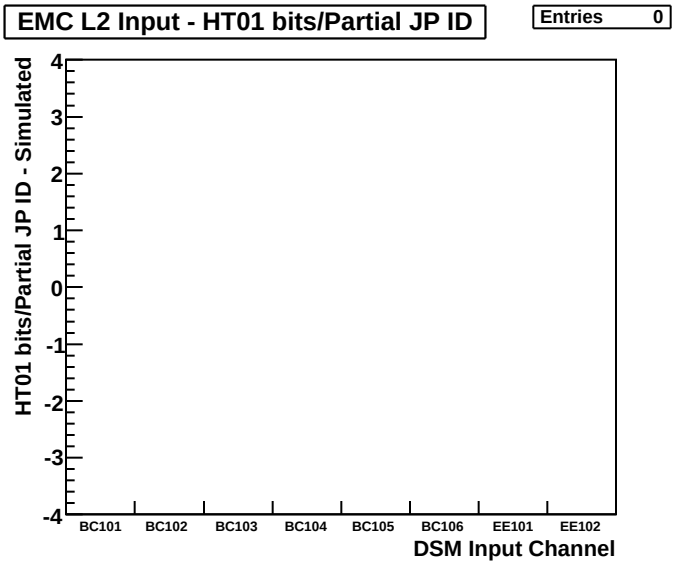

EMC L2 Input - JPZ/JPC bits
Entries 1224776
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

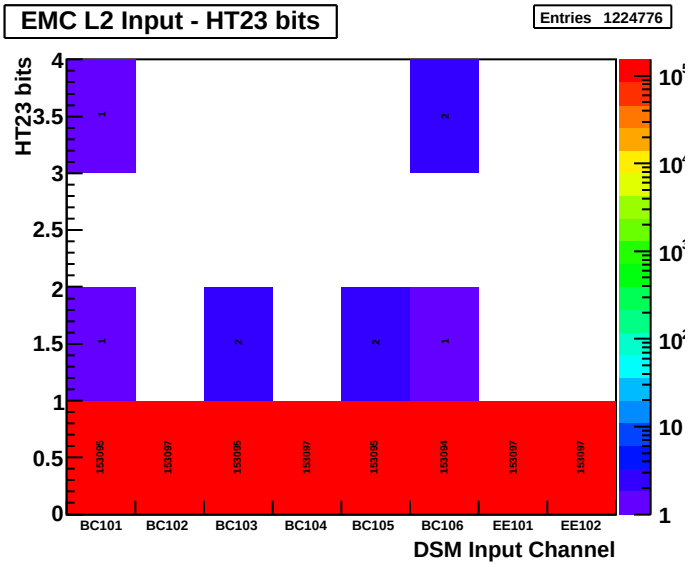

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

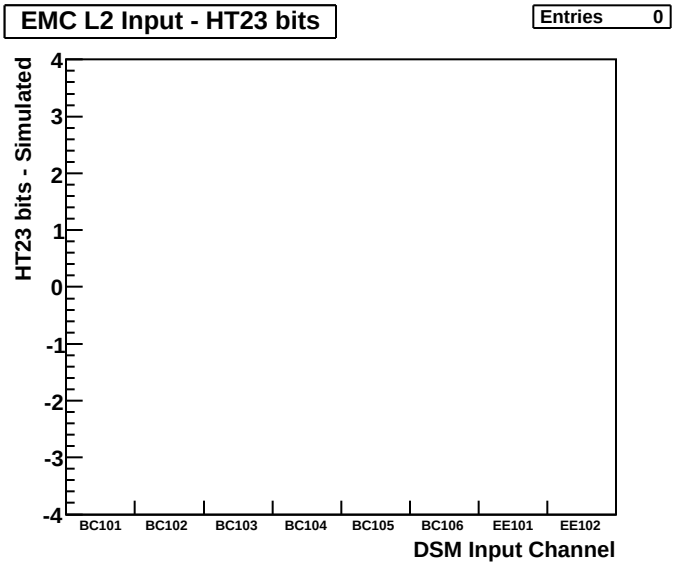

EMC L2 Input - Partial JP Sum
Entries 1224776
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

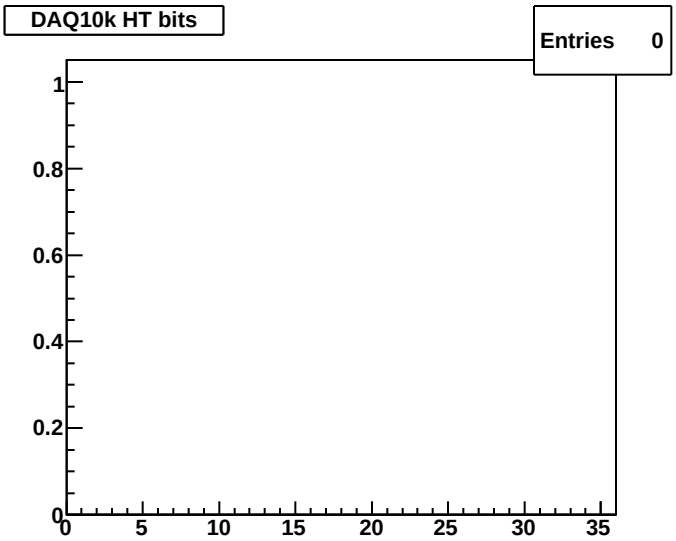

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

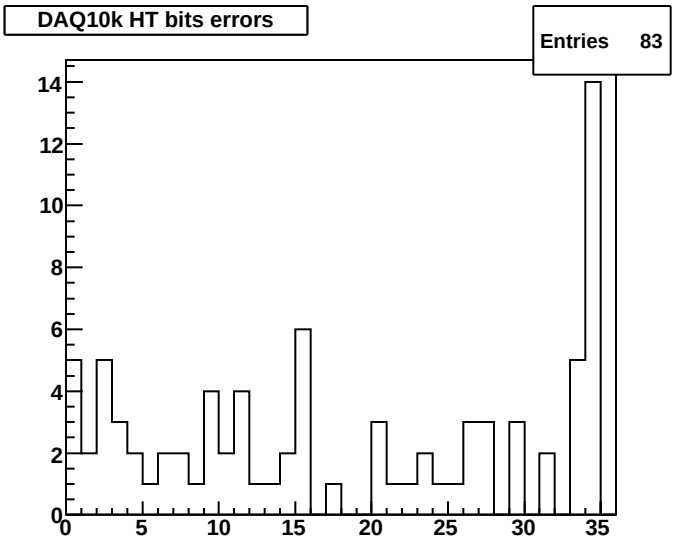

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1224776
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

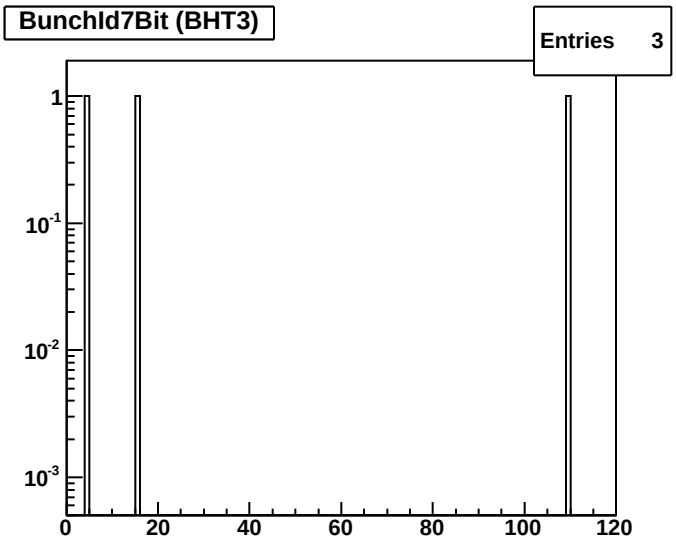

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

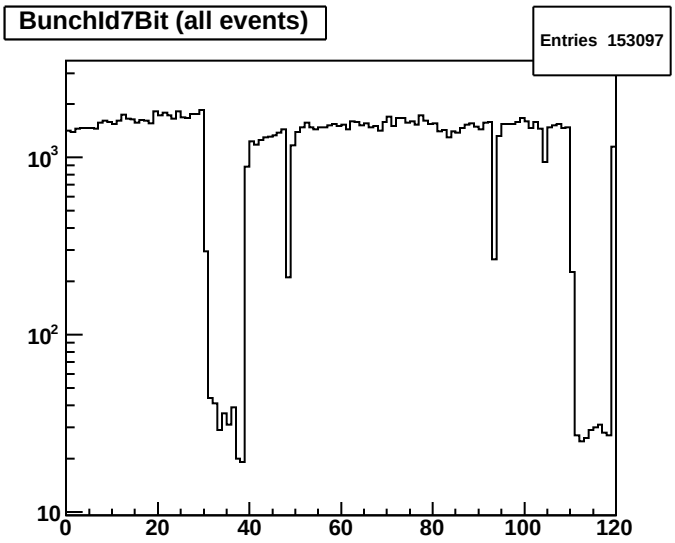

EMC L2 Input - HT23 bits
Entries 1224776
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

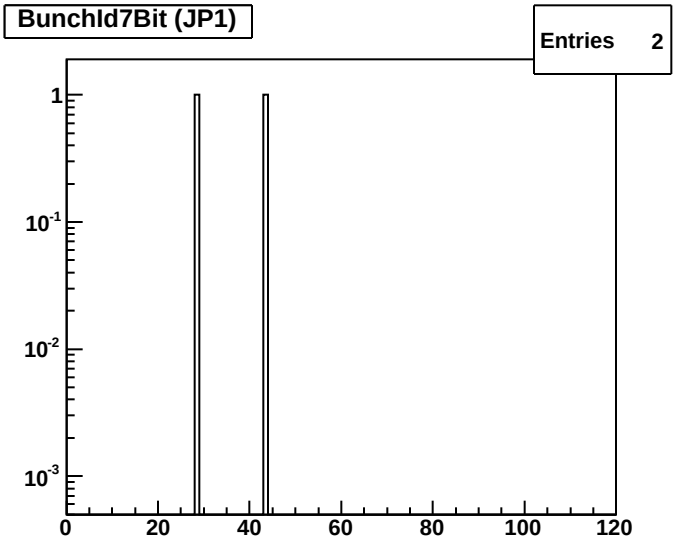

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

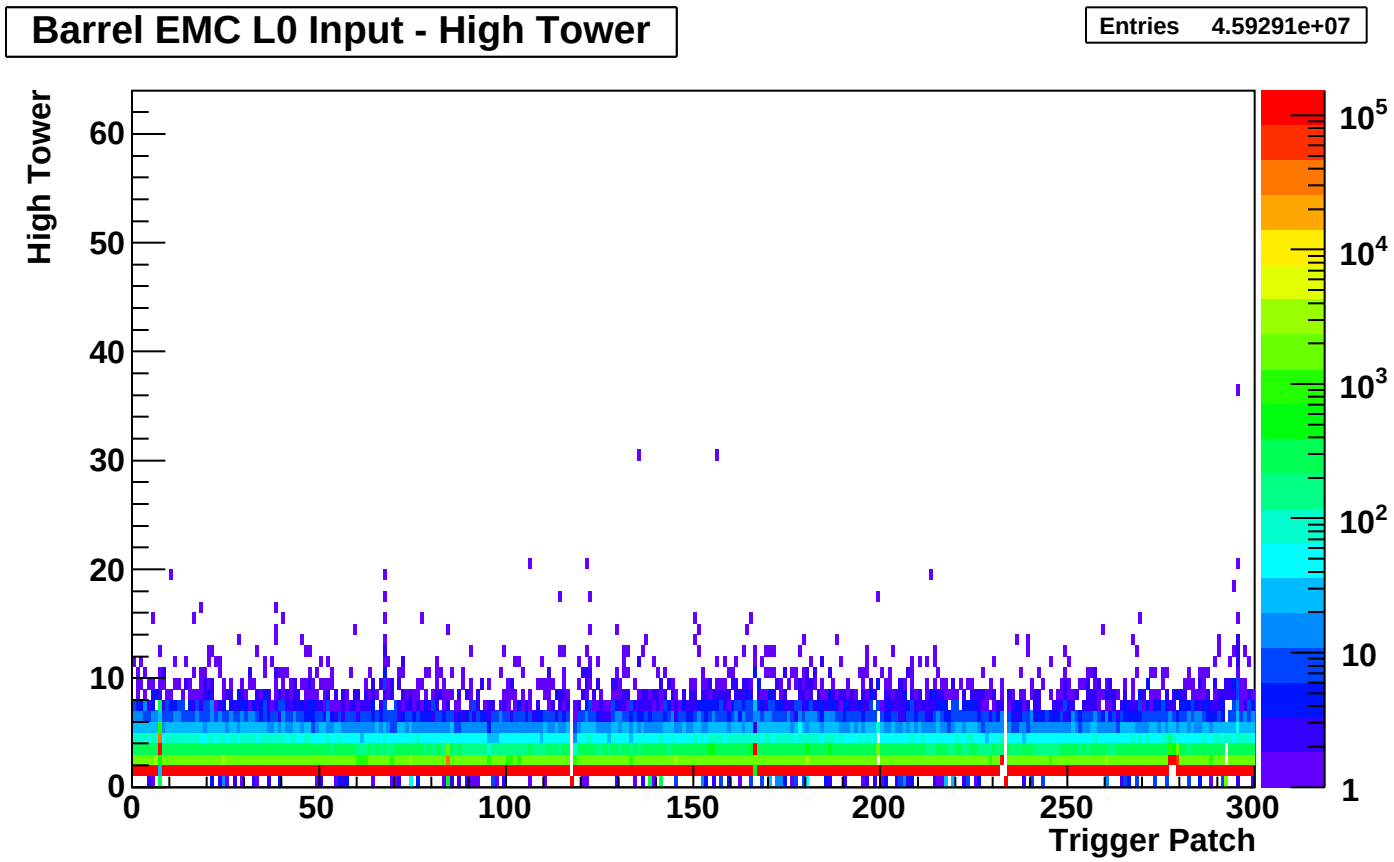

DAQ10k HT bits
Entries 0

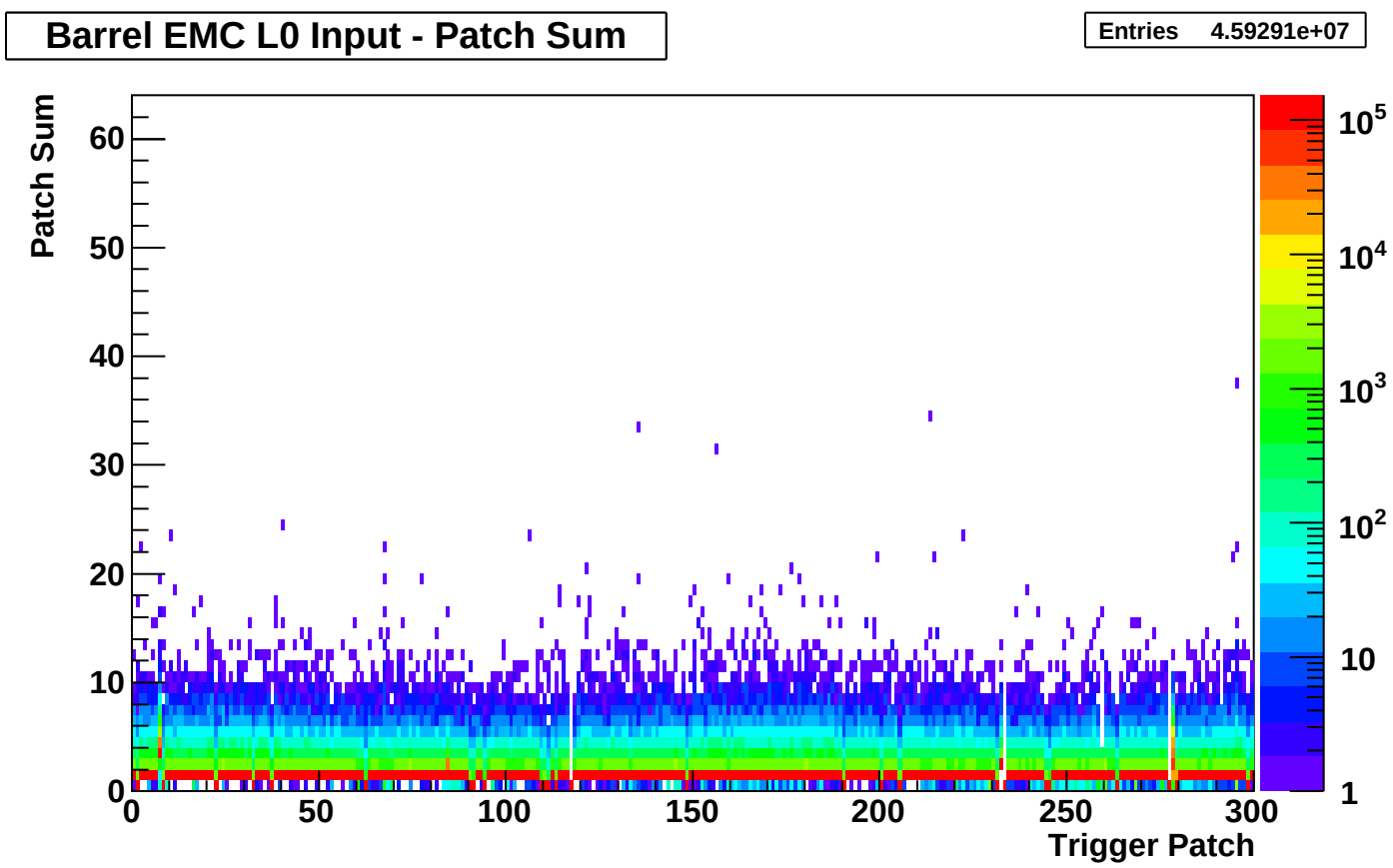

DAQ10k HT bits errors
Entries 83

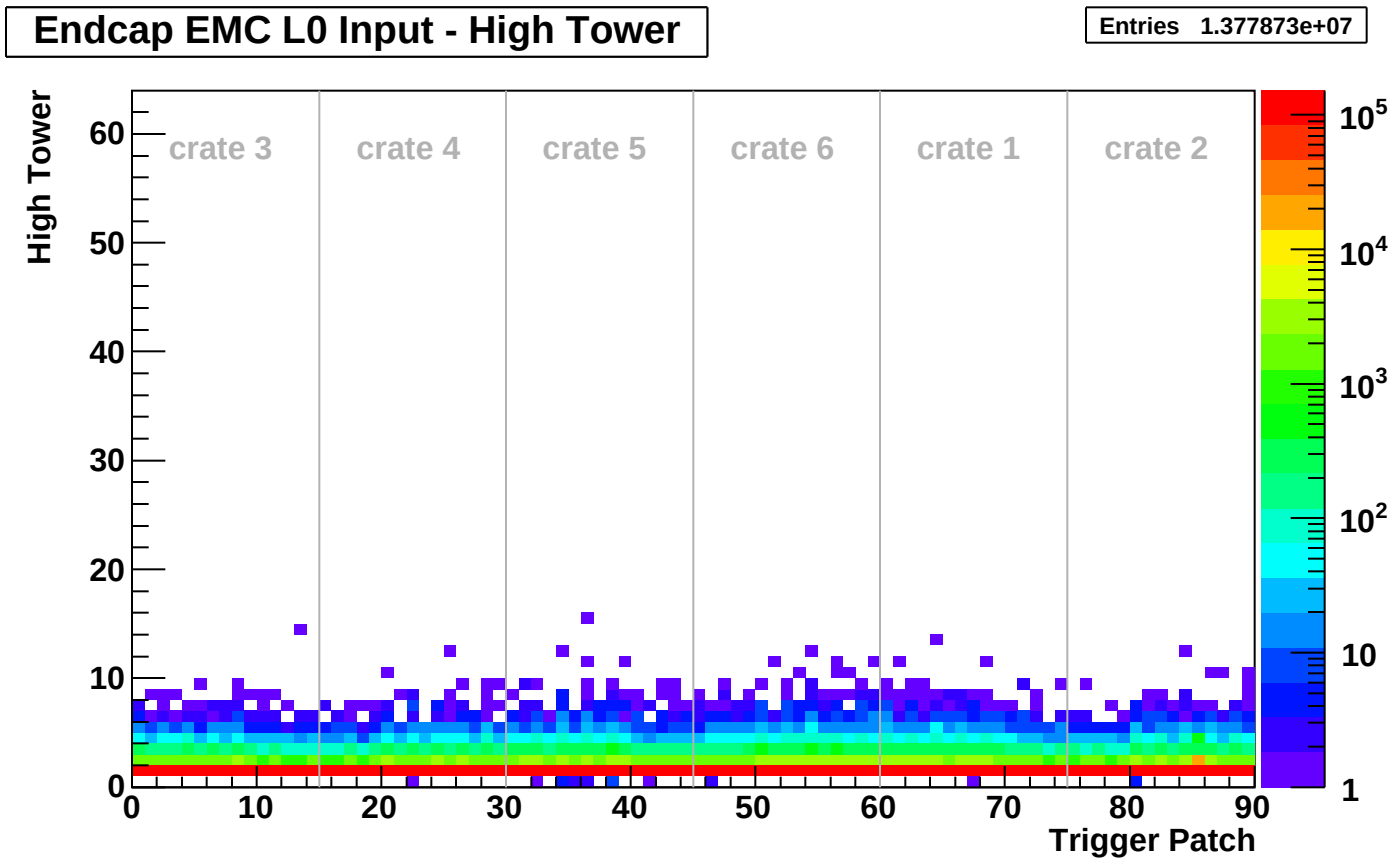

BunchId7Bit (BHT3)
Entries 3

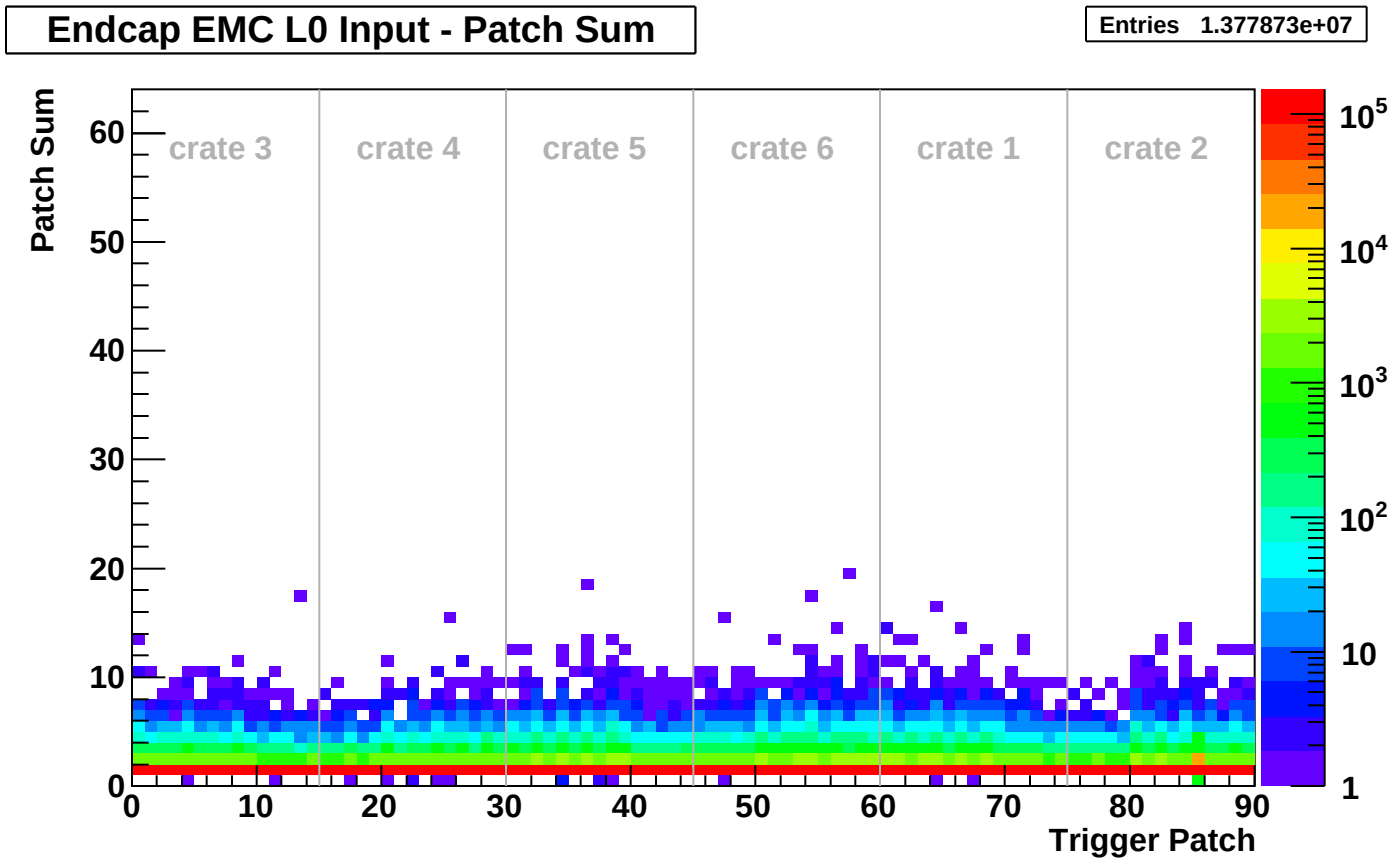

BunchId7Bit (all events)
Entries 153097

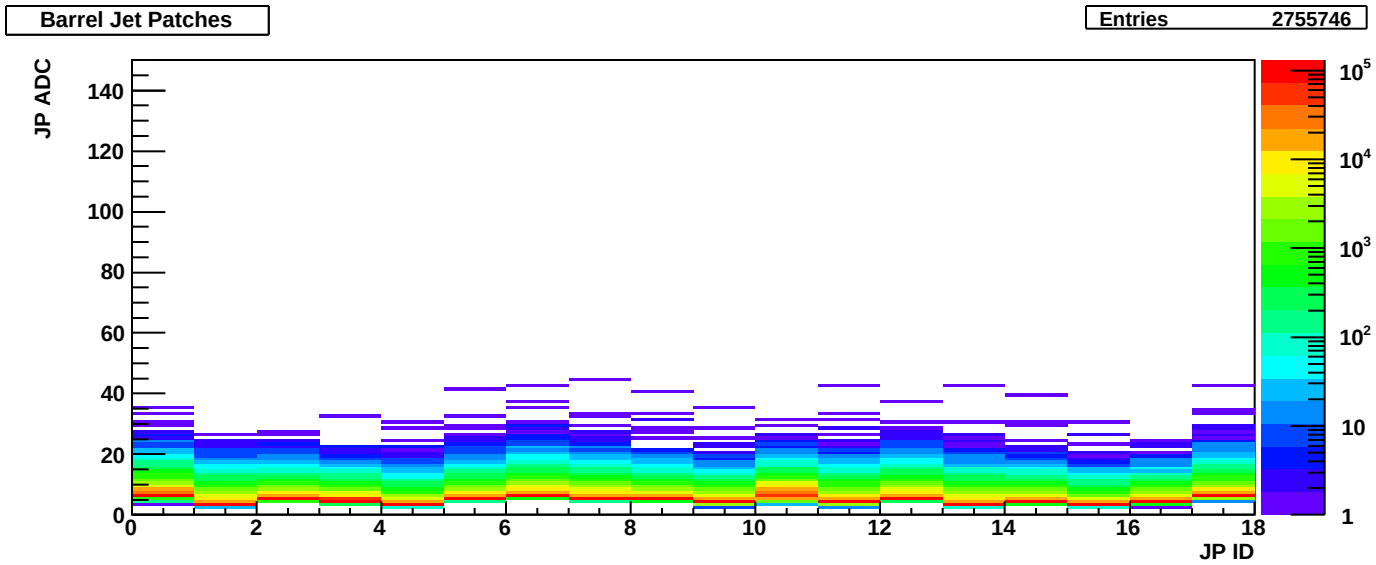

BunchId7Bit (JP1)
Entries 2

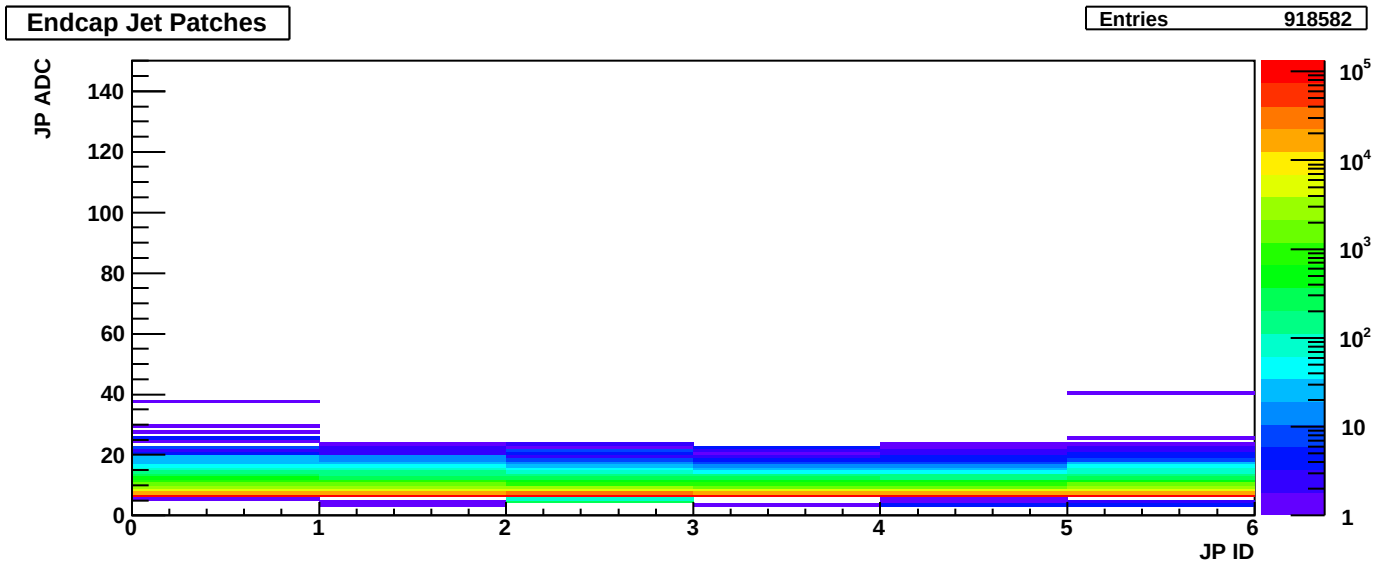

Barrel EMC L0 Input - High Tower
Entries 4.59291e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

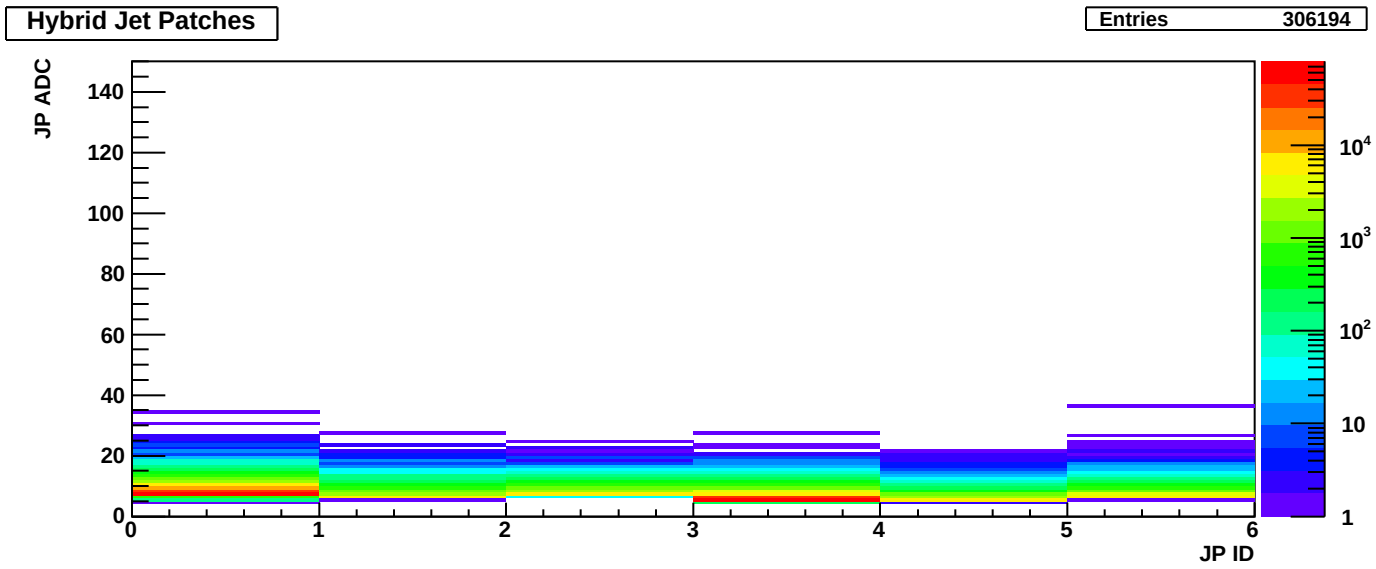

Barrel EMC L0 Input - Patch Sum
Entries 4.59291e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

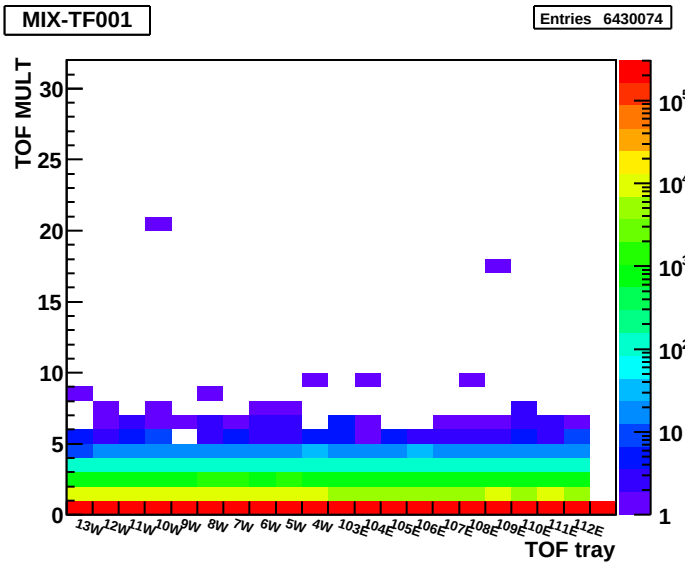

Endcap EMC L0 Input - High Tower
Entries 1.377873e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

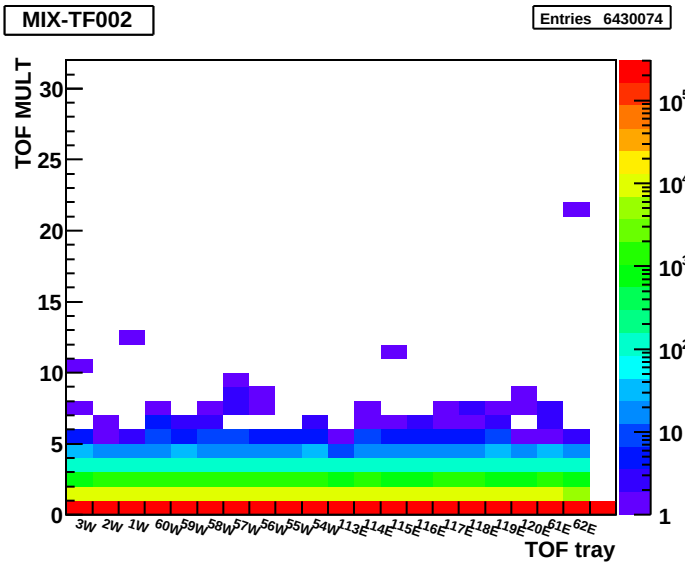

Endcap EMC L0 Input - Patch Sum
Entries 1.377873e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

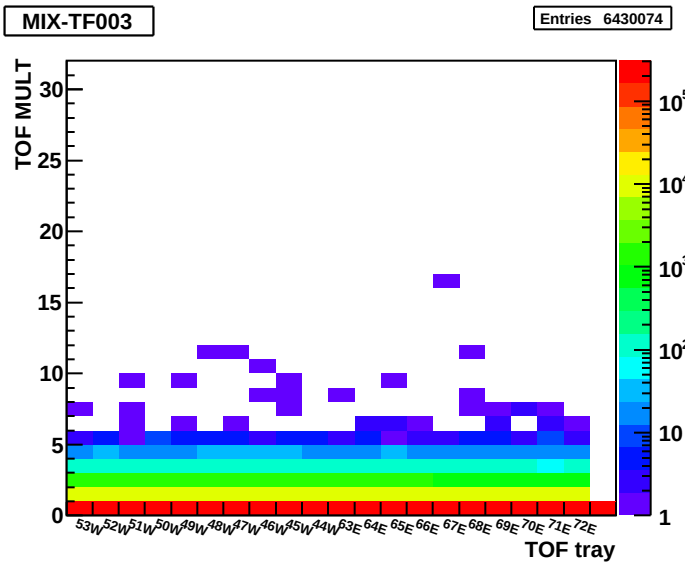

Barrel Jet Patches
Entries 2755746
JP ADC
JP ID

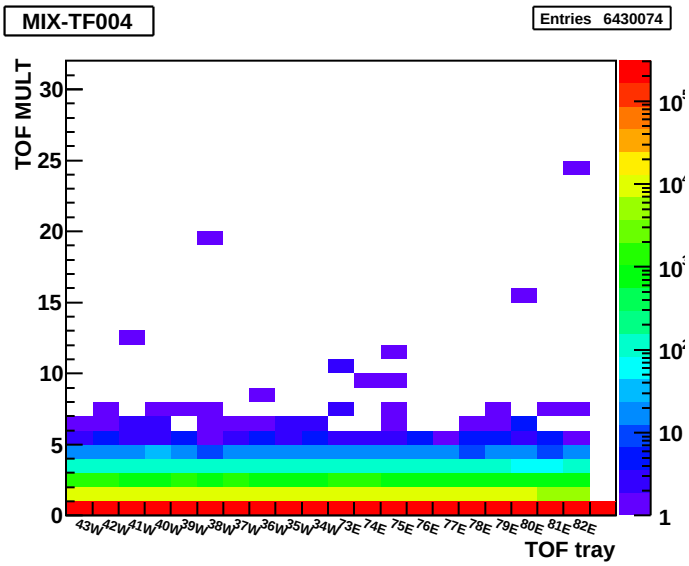

Endcap Jet Patches
Entries 918582
JP ADC
JP ID

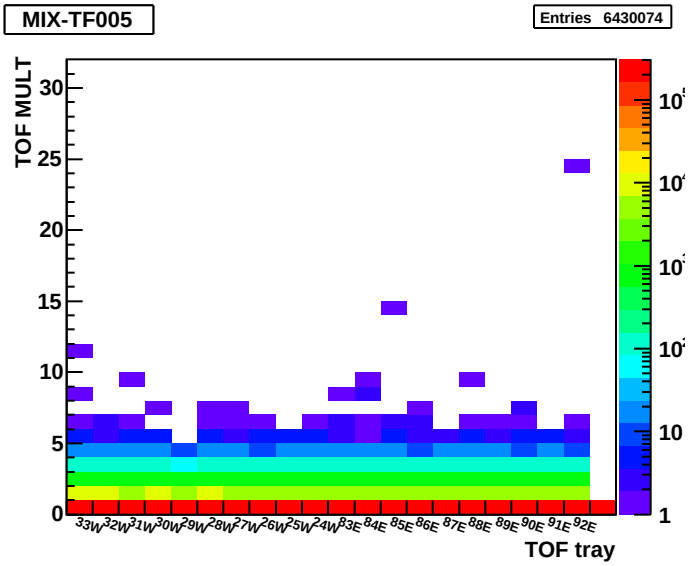

Hybrid Jet Patches
Entries 306194
JP ADC
JP ID

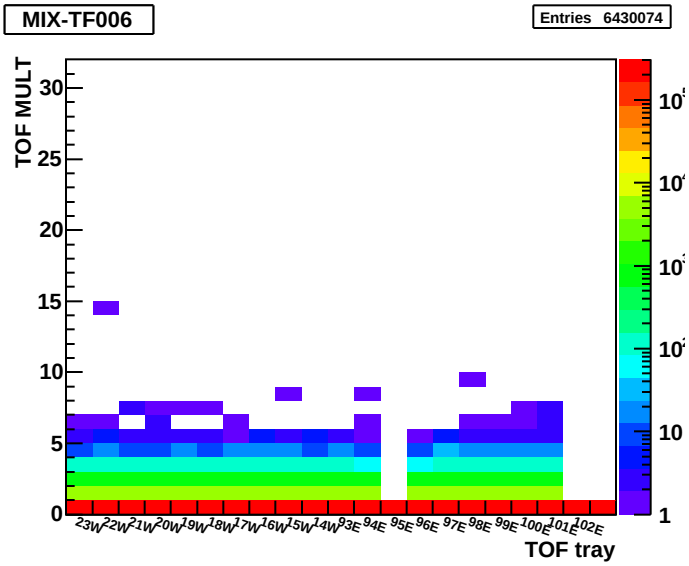

MIX-TF001
Entries 6430074
TOF MULT
TOF tray

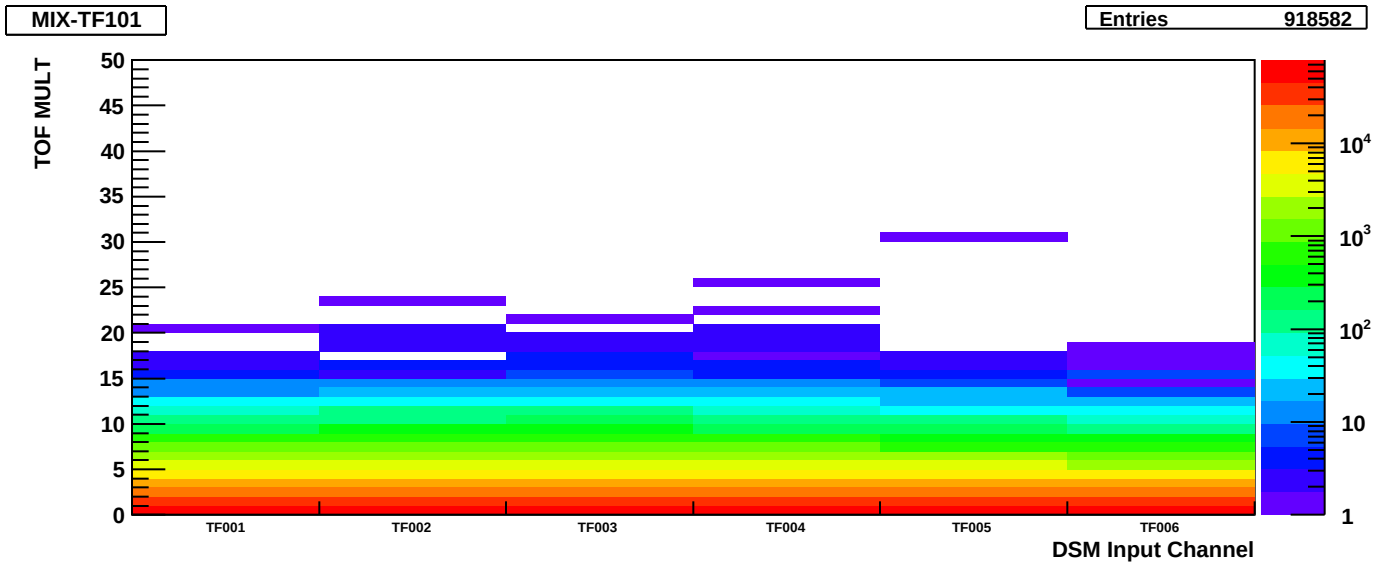

MIX-TF002
Entries 6430074
TOF MULT
TOF tray

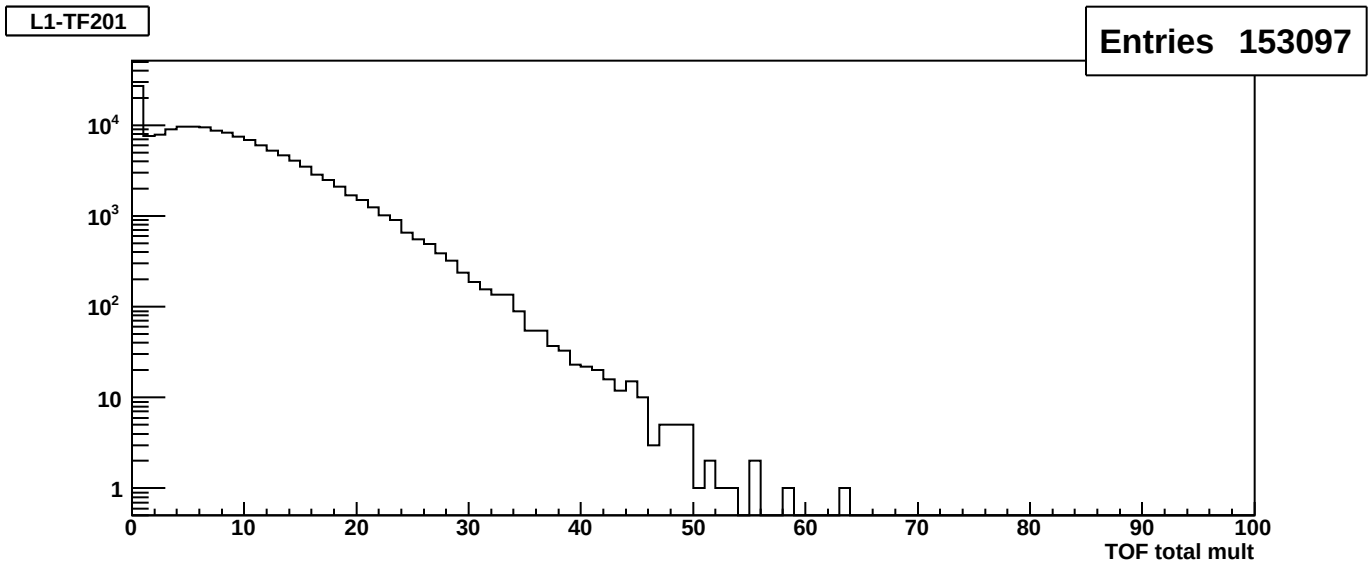

MIX-TF003
Entries 6430074
TOF MULT
TOF tray

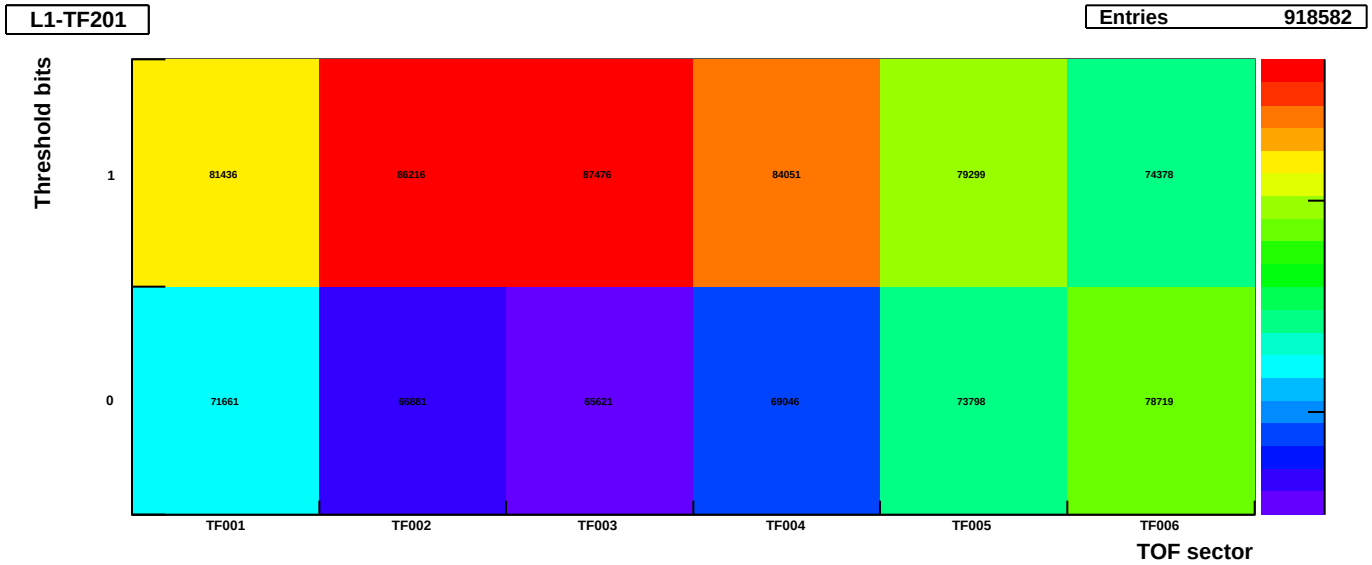

MIX-TF004
Entries 6430074
TOF MULT
TOF tray

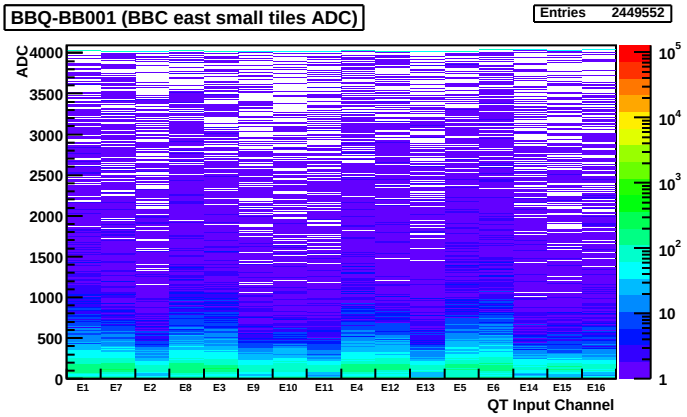

MIX-TF005
Entries 6430074
TOF MULT
TOF tray

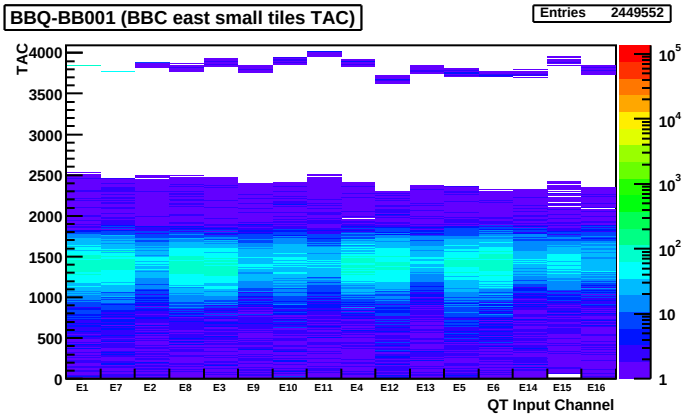

MIX-TF006
Entries 6430074
TOF MULT
TOF tray

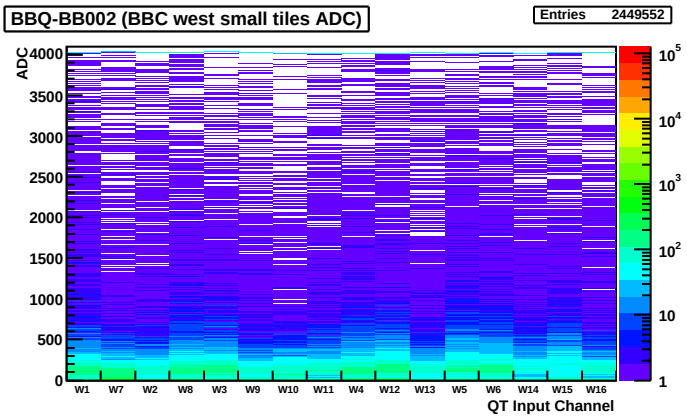

MIX-TF101
Entries 918582
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

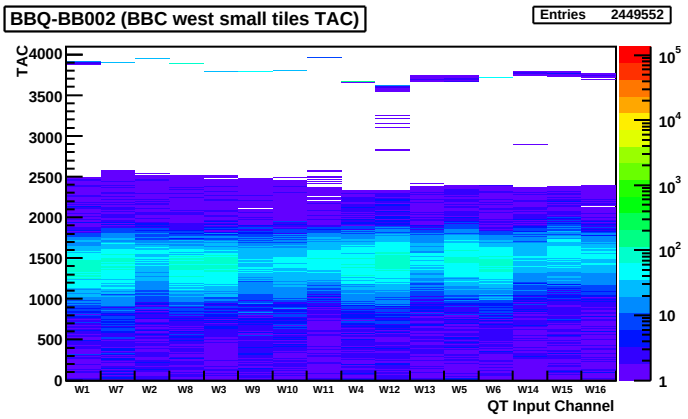

L1-TF201
Entries 153097
TOF total mult

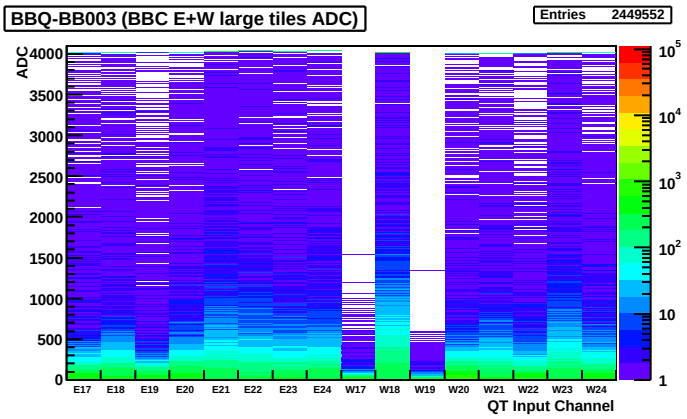

L1-TF201
Entries 918582
Threshold bits
81436
86216
87476
84051
79299
74378
71661
66881
65621
69046
73798
78719
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

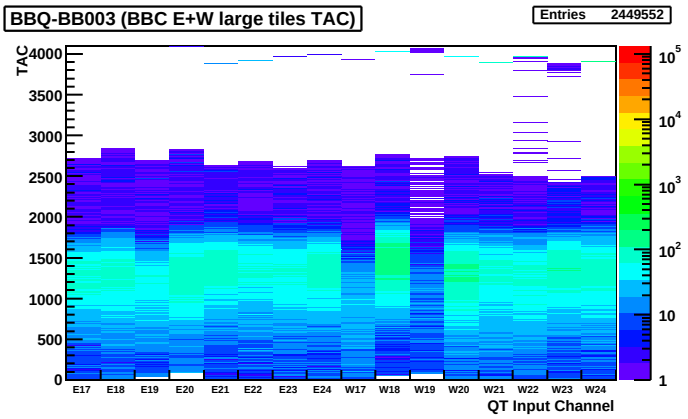

BBQ-BB001 (BBC east small tiles ADC)
Entries 2449552
ADC
QT Input Channel

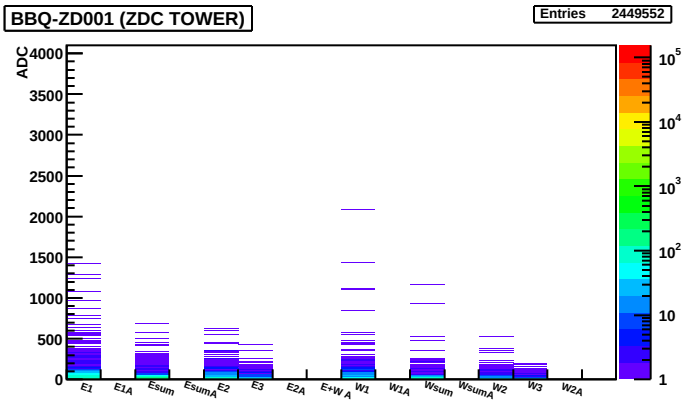

BBQ-BB001 (BBC east small tiles TAC)
Entries 2449552
TAC
QT Input Channel

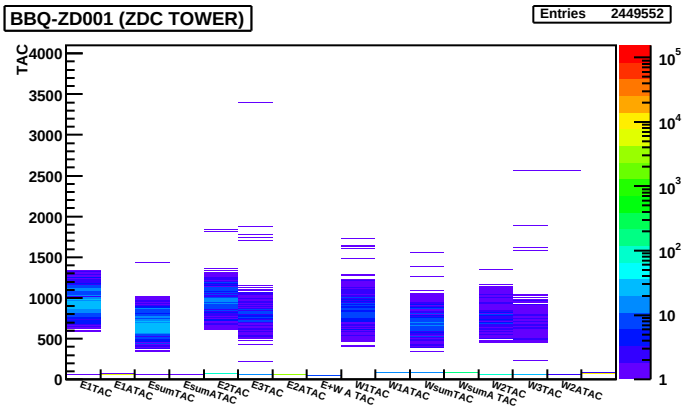

BBQ-BB002 (BBC west small tiles ADC)
Entries 2449552
ADC
QT Input Channel

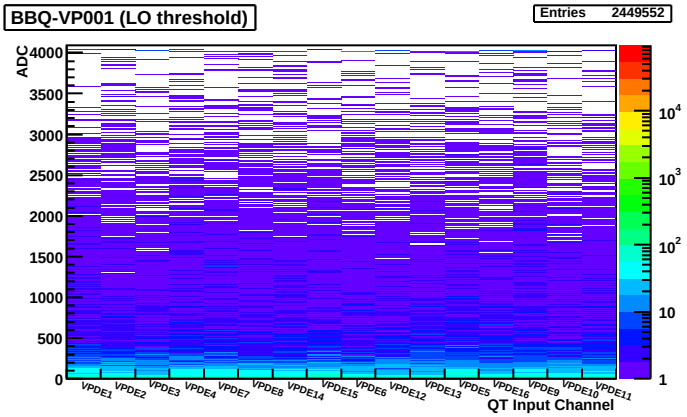

BBQ-BB002 (BBC west small tiles TAC)
Entries 2449552
TAC
QT Input Channel

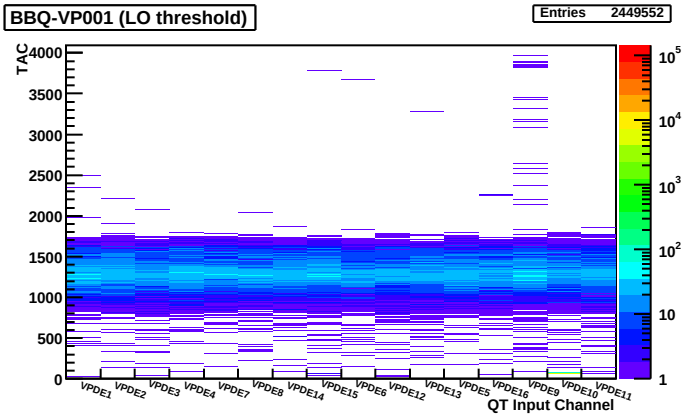

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2449552
ADC
QT Input Channel

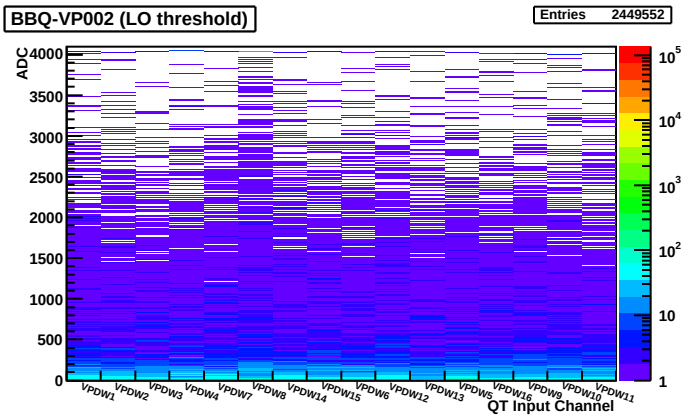

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2449552
TAC
QT Input Channel

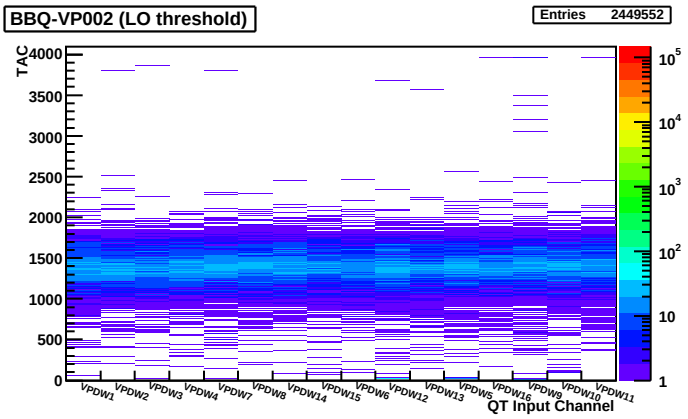

BBQ-ZD001 (ZDC TOWER)
Entries 2449552
ADC

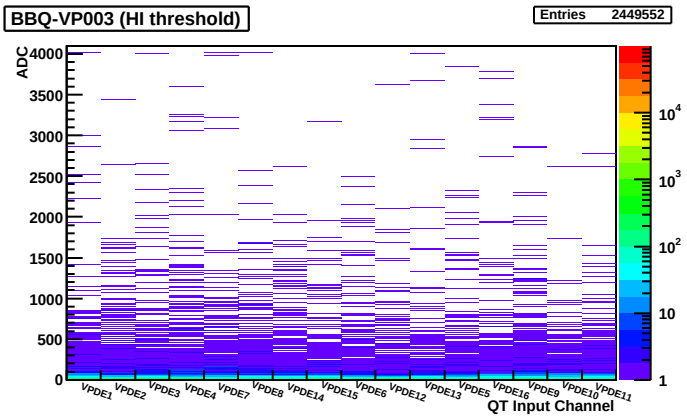

BBQ-ZD001 (ZDC TOWER)
Entries 2449552
TAC

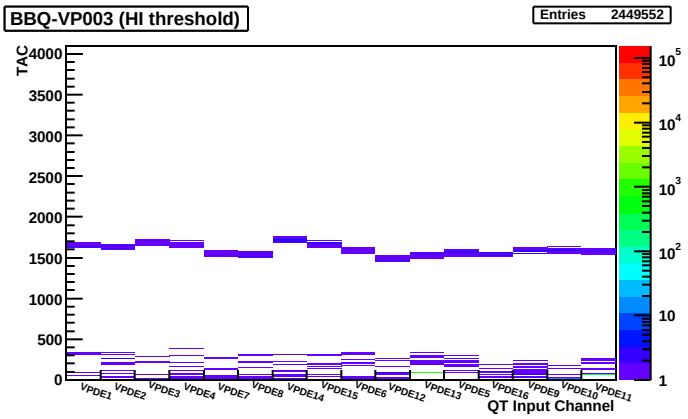

BBQ-VP001 (LO threshold)
Entries 2449552
ADC
QT Input Channel

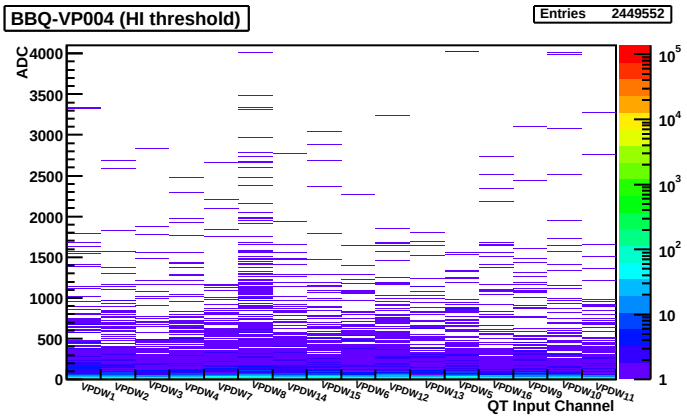

BBQ-VP001 (LO threshold)
Entries 2449552
TAC
QT Input Channel

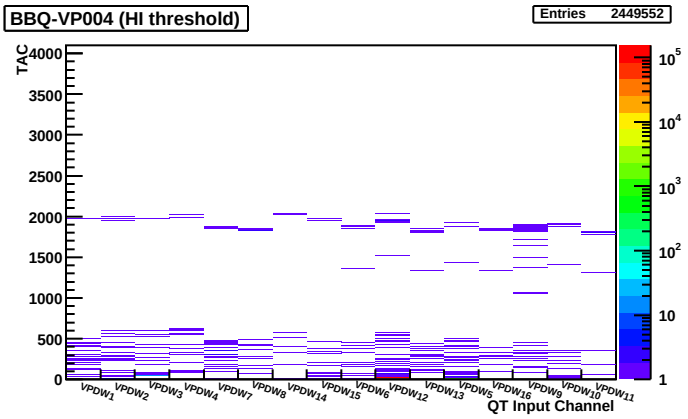

BBQ-VP002 (LO threshold)
Entries 2449552
ADC
QT Input Channel

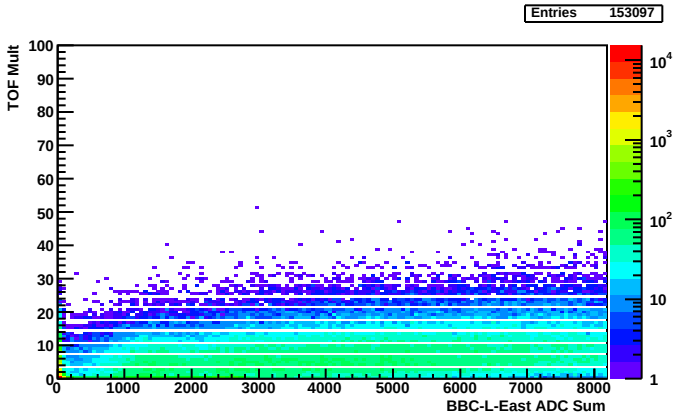

BBQ-VP002 (LO threshold)
Entries 2449552
TAC
QT Input Channel

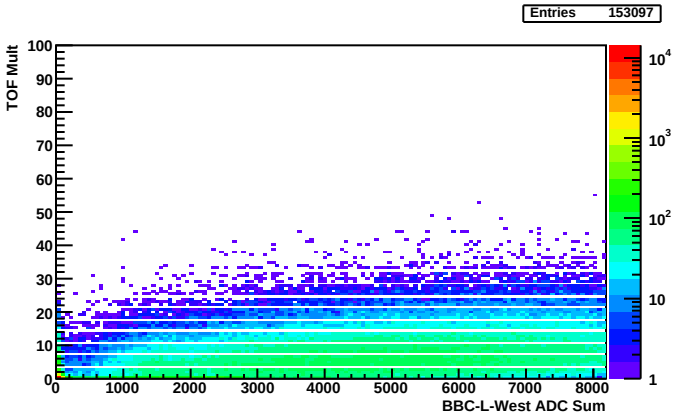

BBQ-VP003 (HI threshold)
Entries 2449552
ADC
QT Input Channel

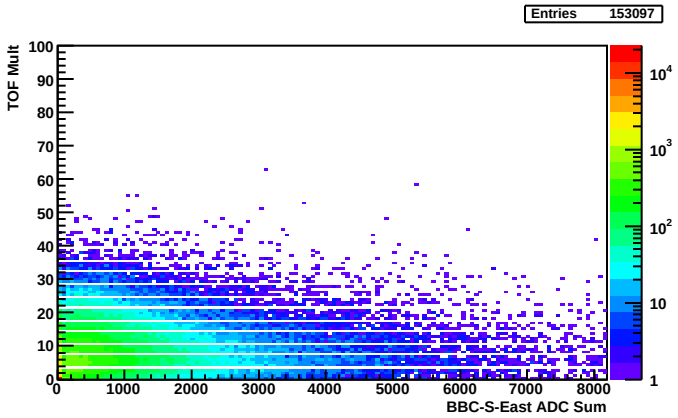

BBQ-VP003 (HI threshold)
Entries 2449552
TAC
QT Input Channel

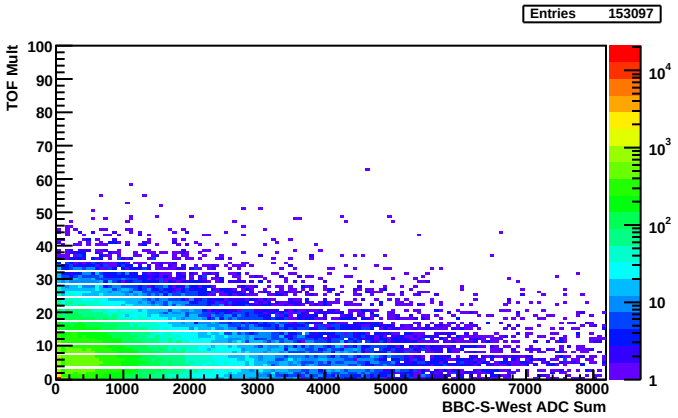

BBQ-VP004 (HI threshold)
Entries 2449552
ADC
QT Input Channel

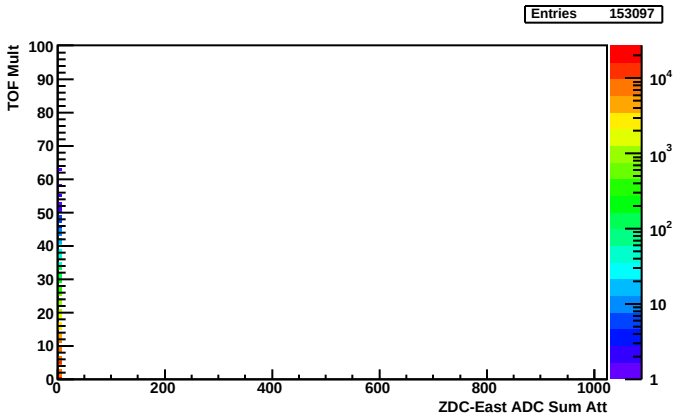

BBQ-VP004 (HI threshold)
Entries 2449552
TAC
QT Input Channel

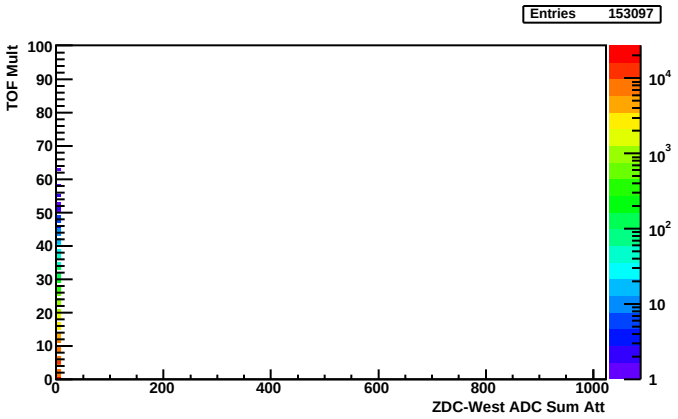

Entries 153097
TOF Mult
BBC-L-East ADC Sum

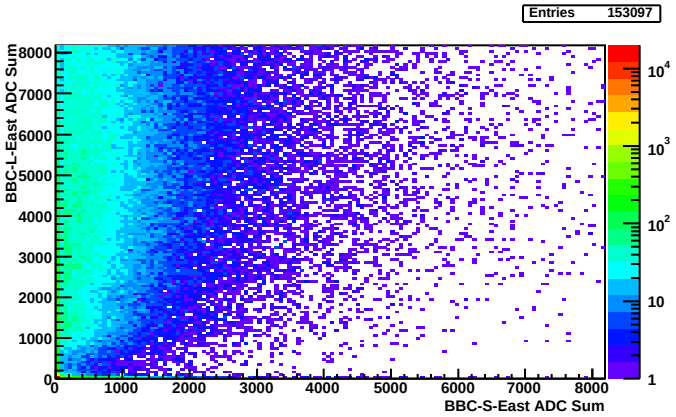

Entries 153097
TOF Mult
BBC-L-West ADC Sum

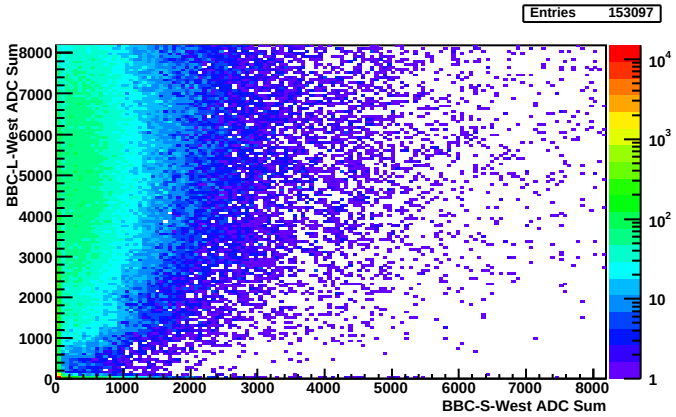

Entries 153097
TOF Mult
BBC-S-East ADC Sum

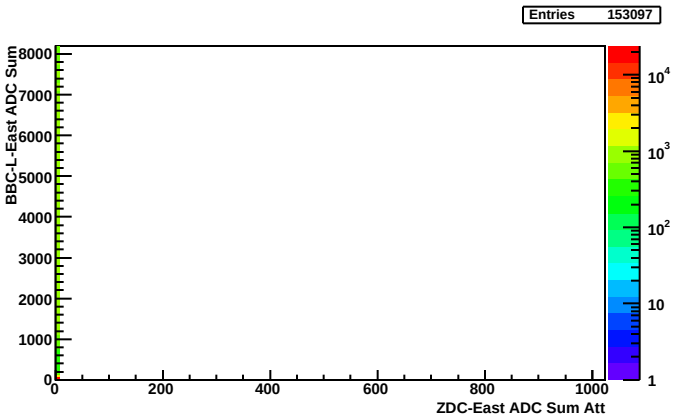

Entries 153097
TOF Mult
BBC-S-West ADC Sum

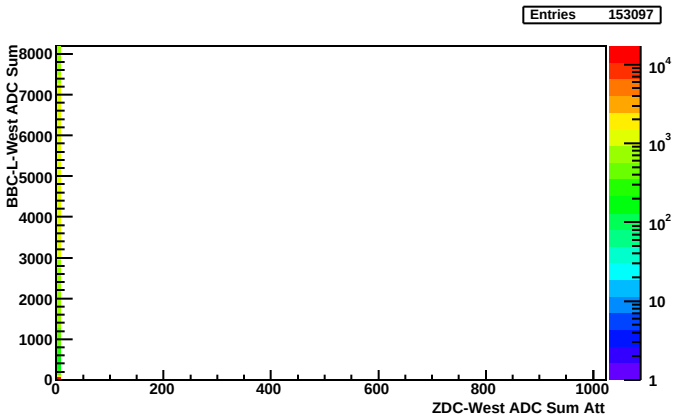

Entries 153097
TOF Mult
ZDC-East ADC Sum Att

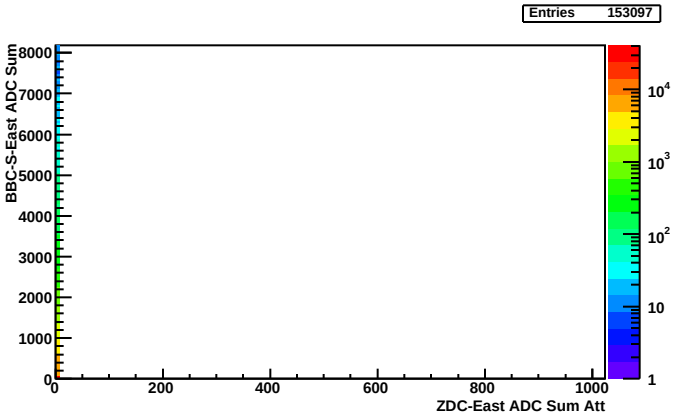

Entries 153097
TOF Mult
ZDC-West ADC Sum Att

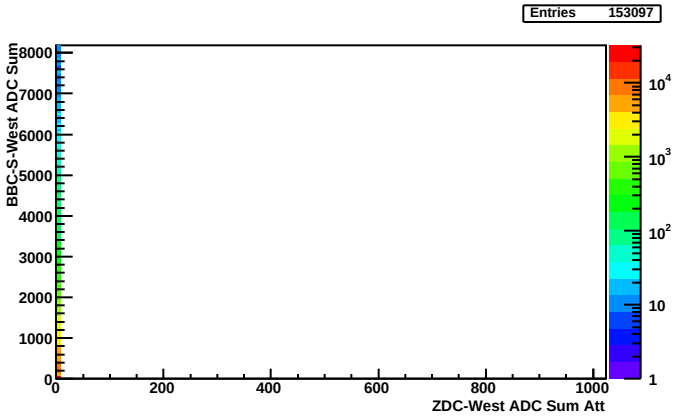

Entries 153097
BBC-L-East ADC Sum
BBC-S-East ADC Sum

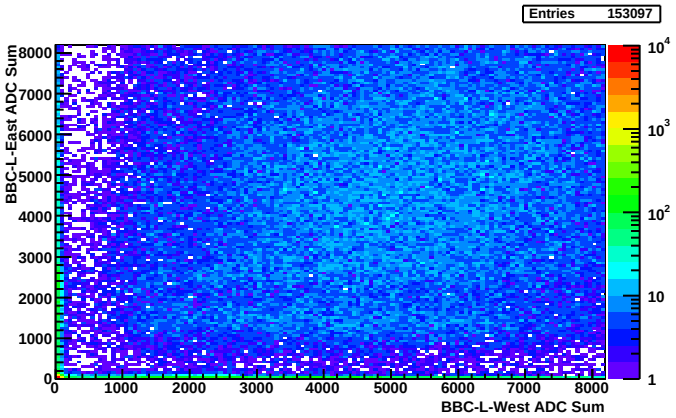

Entries 153097
BBC-L-West ADC Sum
BBC-S-West ADC Sum

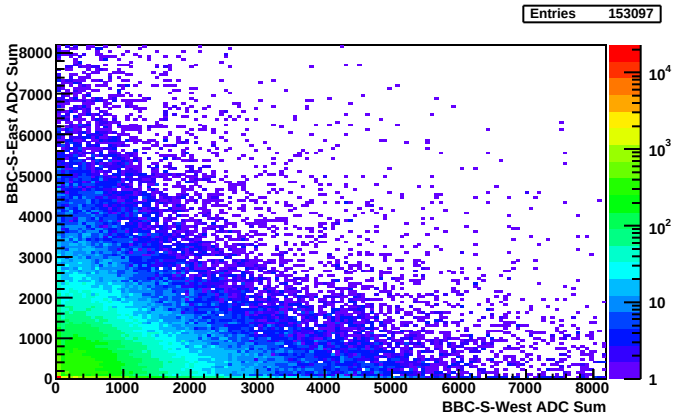

Entries 153097
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

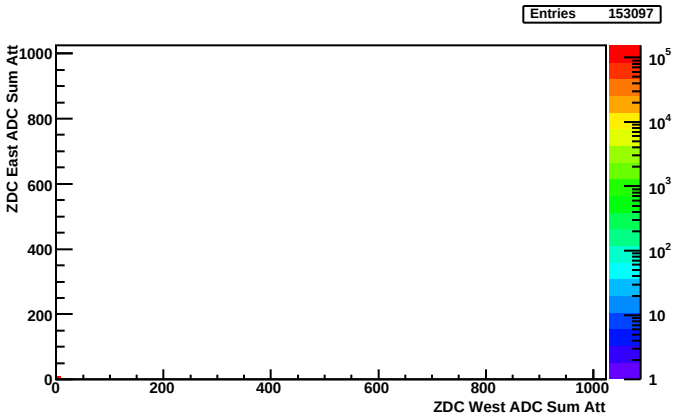

Entries 153097
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

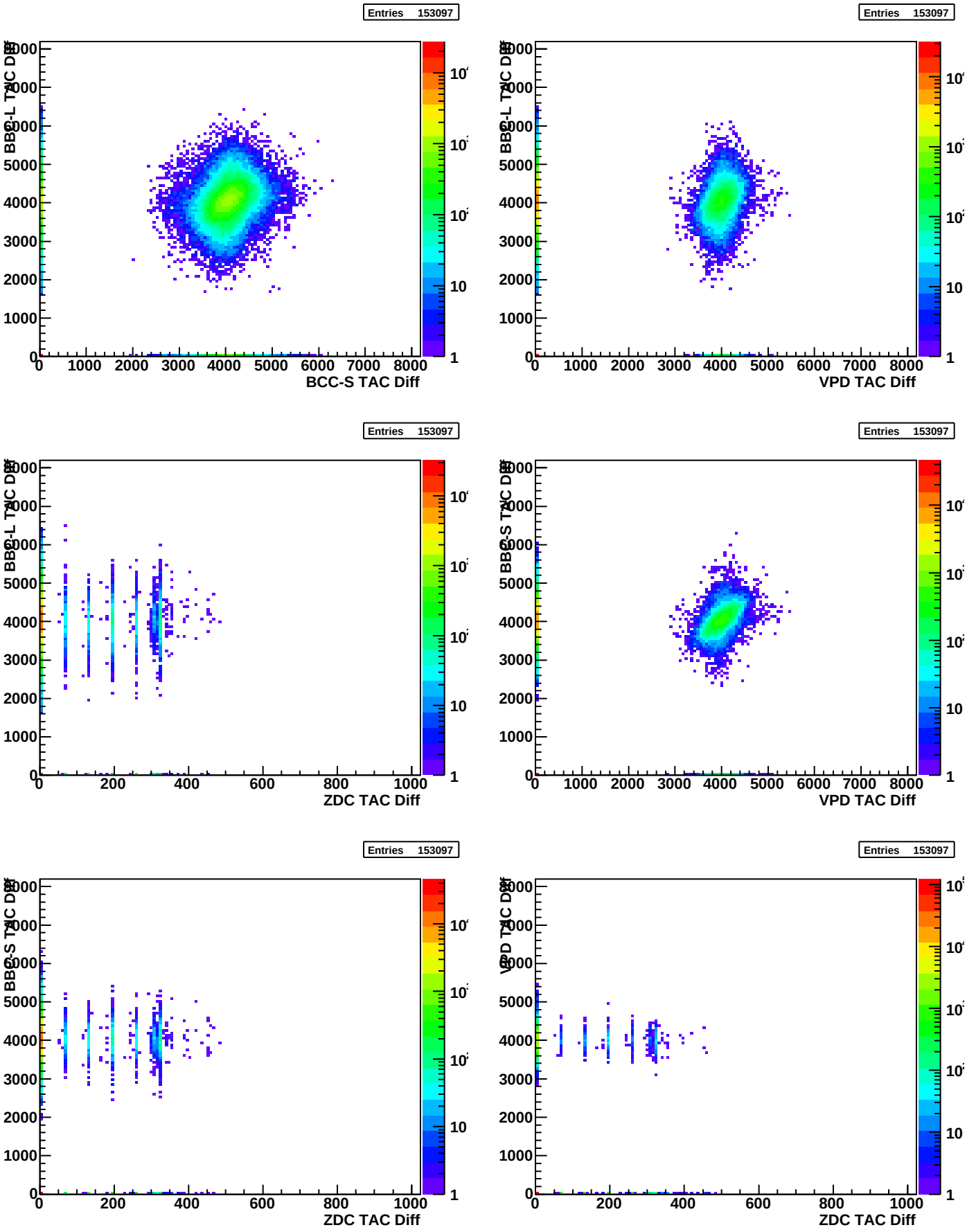

Entries 153097
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

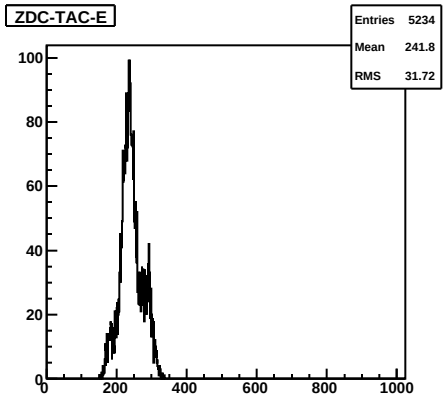

Entries 153097
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

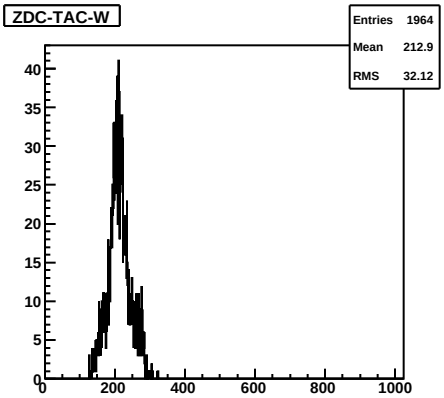

Entries 153097
BBC-L-East ADC Sum
BBC-L-West ADC Sum

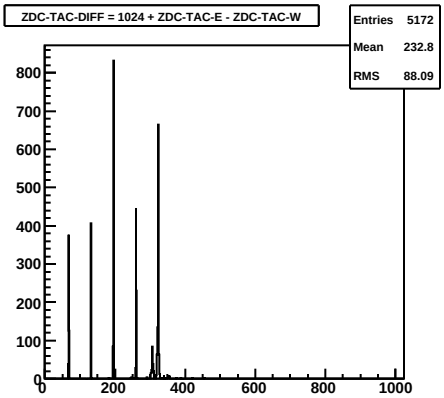

Entries 153097
BBC-S-East ADC Sum
BBC-S-West ADC Sum

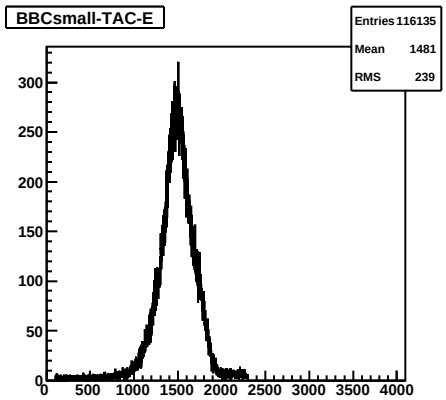

Entries 153097
ZDC East ADC Sum Att
ZDC West ADC Sum Att

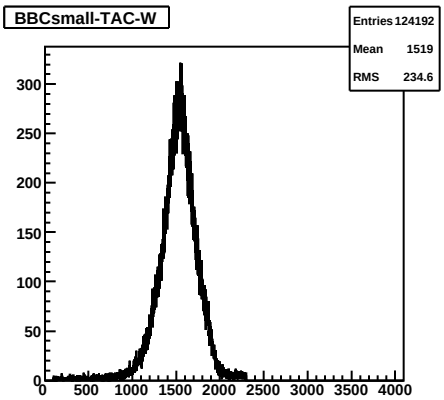

Entries 153097
BBC-L TAC Diff
BCC-S TAC Diff
Entries 153097
BBC-L TAC Diff
VPD TAC Diff
Entries 153097
BBC-L TAC Diff
ZDC TAC Diff
Entries 153097
BBC-S TAC Diff
VPD TAC Diff
Entries 153097
BBC-S TAC Diff
ZDC TAC Diff
Entries 153097
VPD TAC Diff
ZDC TAC Diff

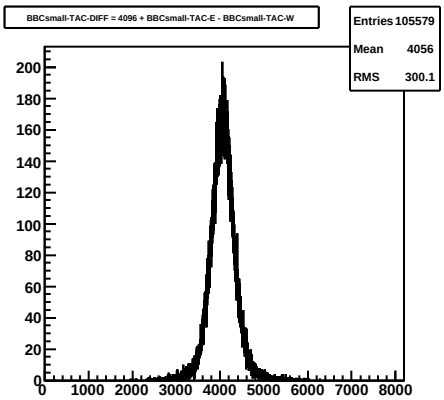

ZDC-TAC-E
Entries 5234
Mean 241.8
RMS 31.72

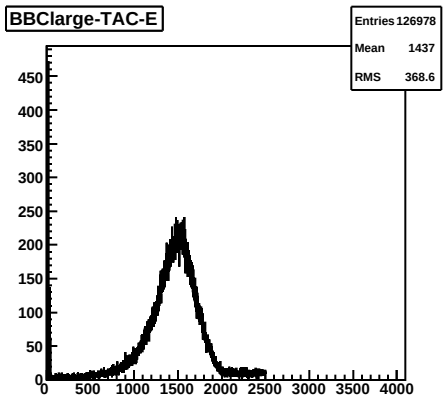

ZDC-TAC-W
Entries 1964
Mean 212.9
RMS 32.12

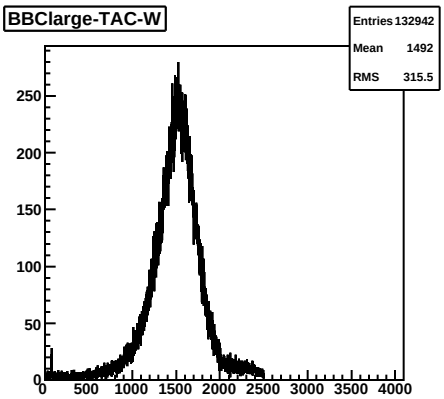

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 5172
Mean 232.8
RMS 88.09

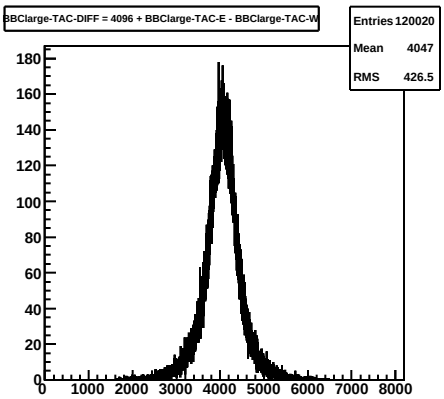

BBCsmall-TAC-E
Entries 116135
Mean 1481
RMS 239

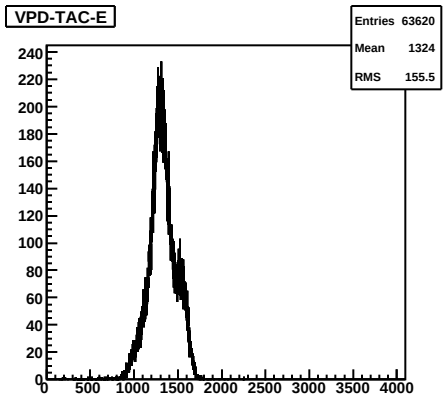

BBCsmall-TAC-W
Entries 124192
Mean 1519
RMS 234.6

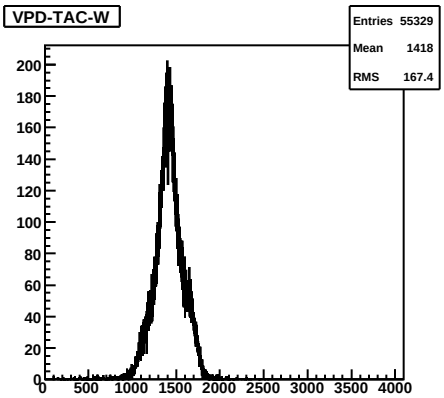

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries 105579
Mean 4056
RMS 300.1

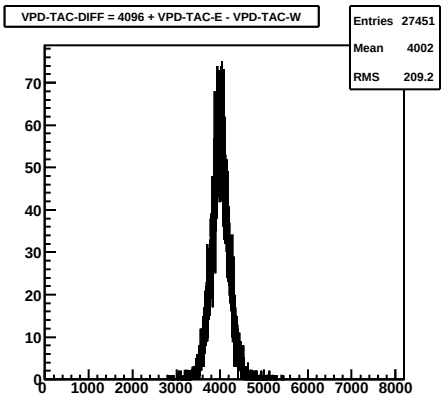

BBClarge-TAC-E
Entries 126978
Mean 1437
RMS 368.6

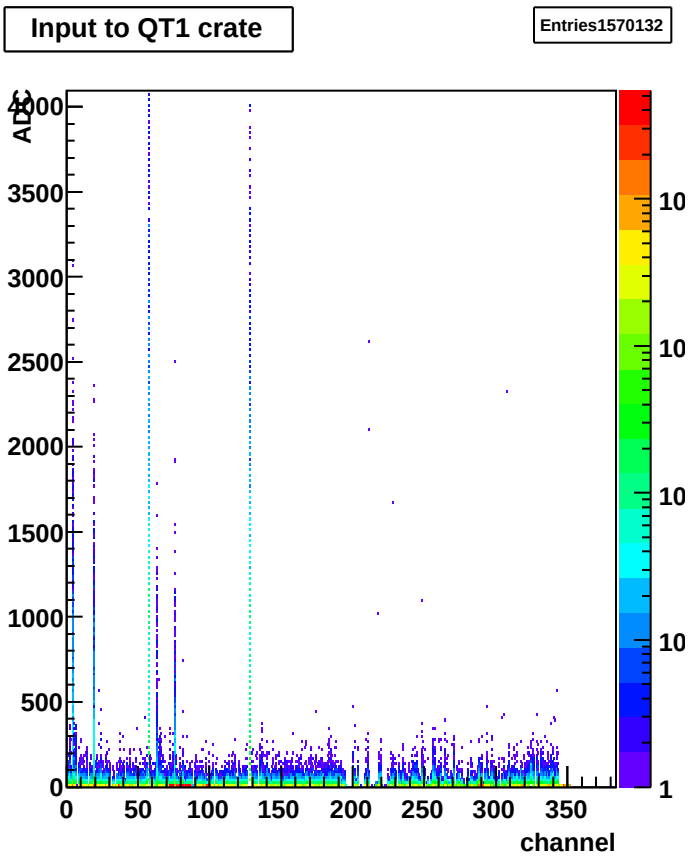

BBClarge-TAC-W
Entries 132942
Mean 1492
RMS 315.5

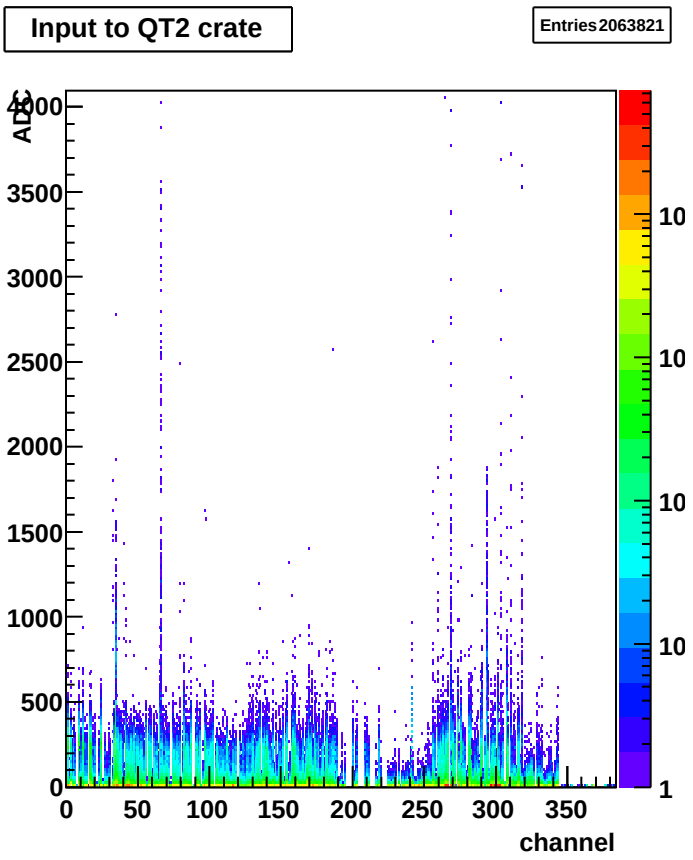

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries 120020
Mean 4047
RMS 426.5

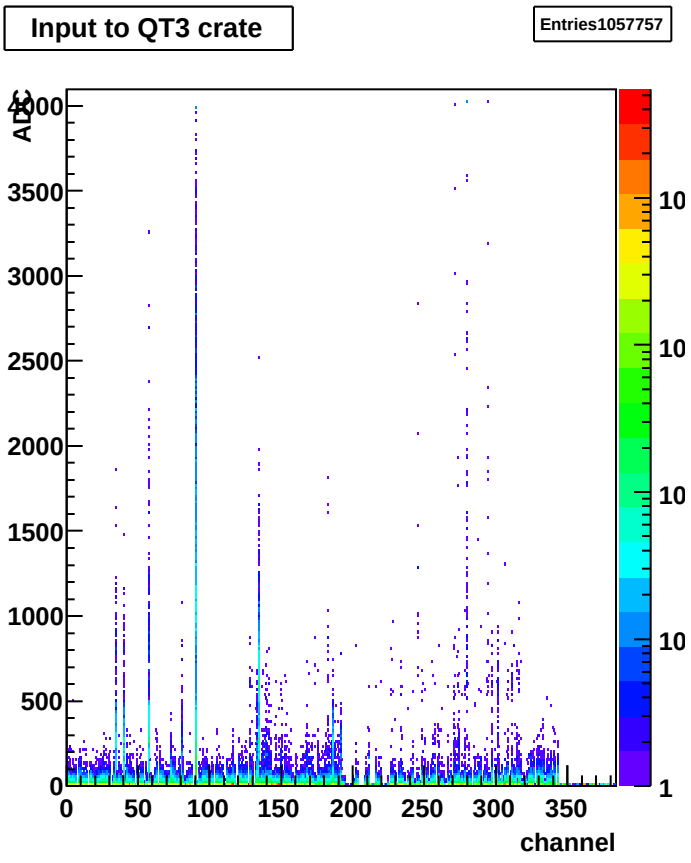

VPD-TAC-E
Entries 63620
Mean 1324
RMS 155.5

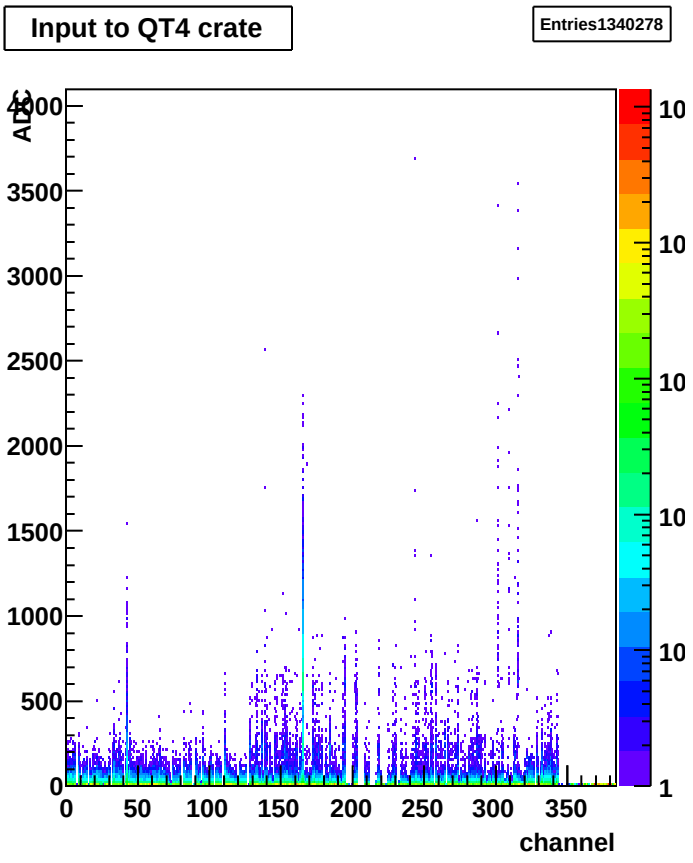

VPD-TAC-W
Entries 55329
Mean 1418
RMS 167.4

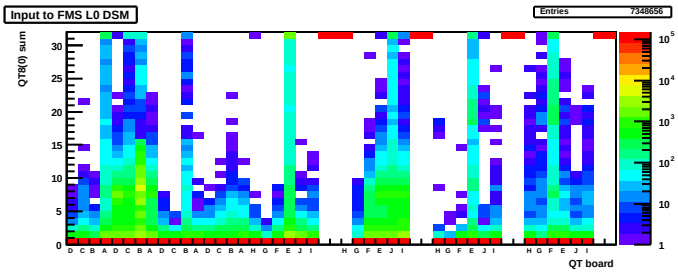

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries 27451
Mean 4002
RMS 209.2

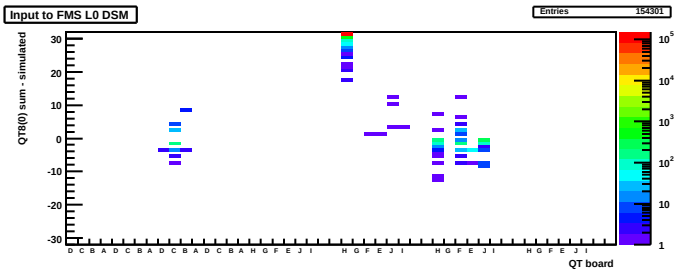

Input to QT1 crate
Entries1570132
ADC
channel

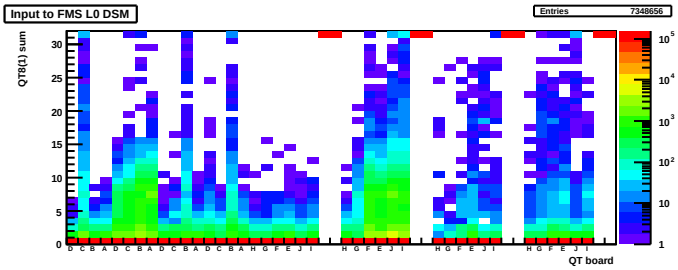

Input to QT2 crate
Entries2063821
ADC
channel

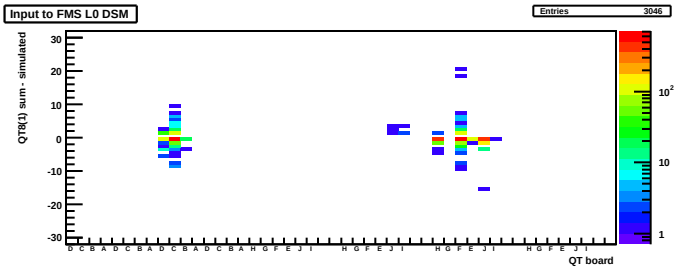

Input to QT3 crate
Entries1057757
ADC
channel

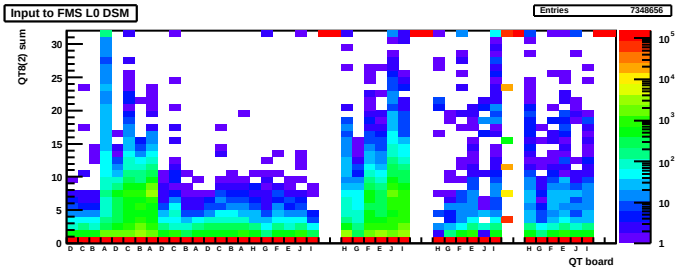

Input to QT4 crate
Entries1340278
ADC
channel

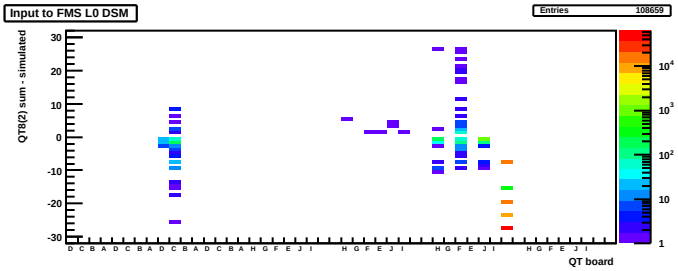

Input to FMS L0 DSM
Entries 7348656
QT8(0) sum
QT board

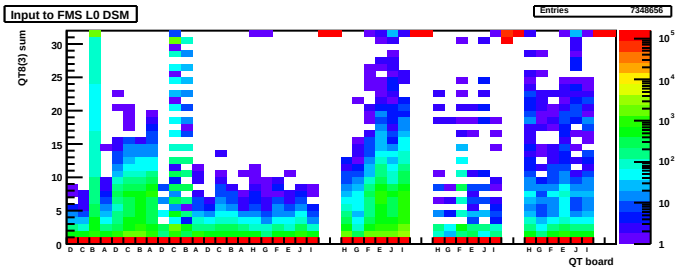

Input to FMS L0 DSM
Entries 154301
QT8(0) sum - simulated
QT board

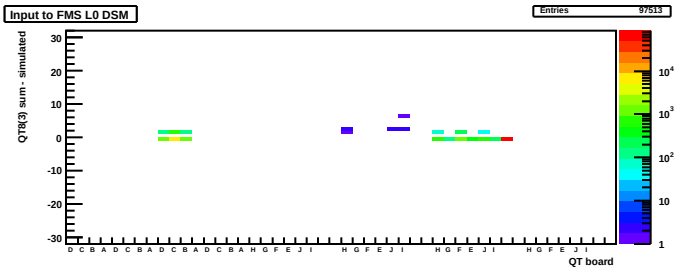

Input to FMS L0 DSM
Entries 7348656
QT8(1) sum
QT board

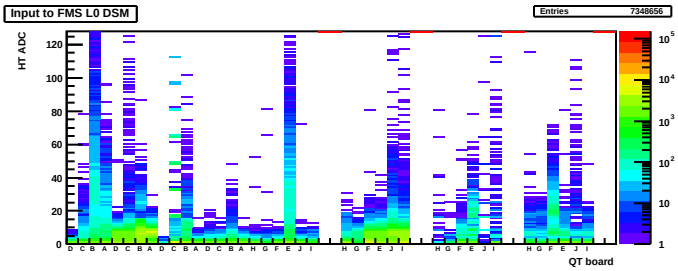

Input to FMS L0 DSM
Entries 3046
QT8(1) sum - simulated
QT board

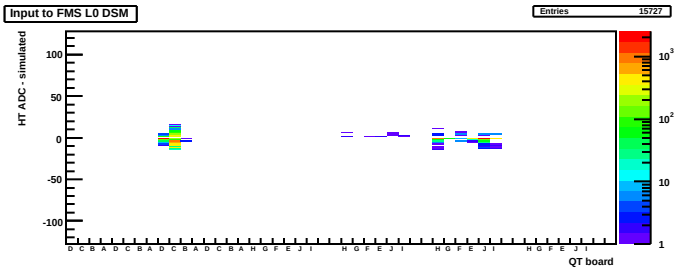

Input to FMS L0 DSM
Entries 7348656
QT8(2) sum
QT board

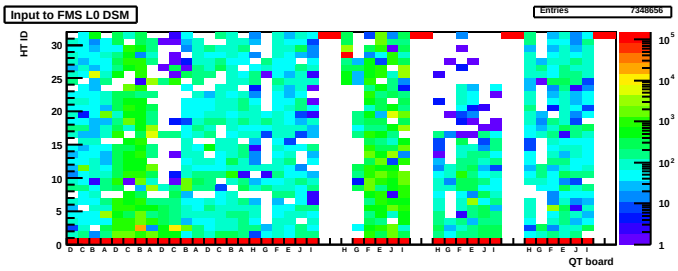

Input to FMS L0 DSM
Entries 108659
QT8(2) sum - simulated
QT board

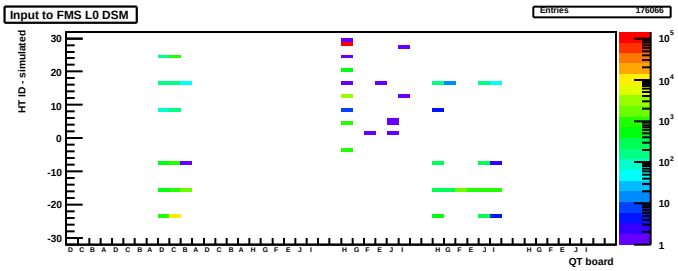

Input to FMS L0 DSM
Entries 7348656
QT8(3) sum
QT board

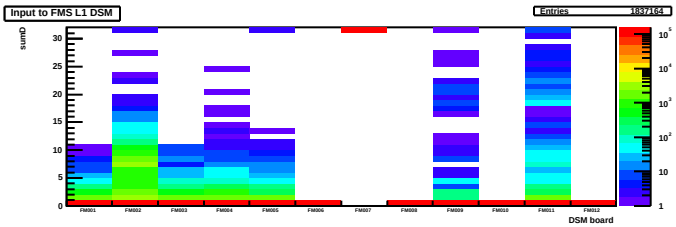

Input to FMS L0 DSM
Entries 97513
QT8(3) sum - simulated
QT board

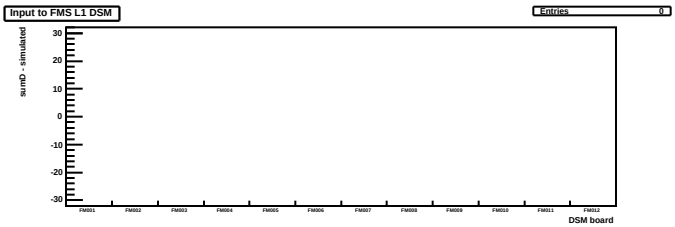

Input to FMS L0 DSM
Entries 7348656
HT ADC
QT board

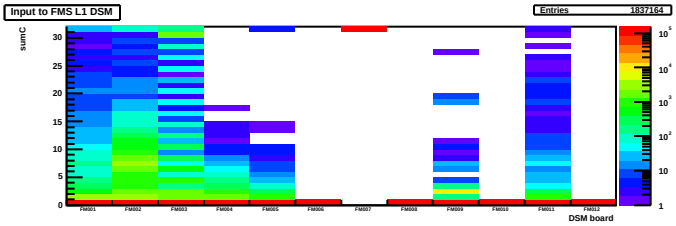

Input to FMS L0 DSM
Entries 15727
HT ADC - simulated
QT board

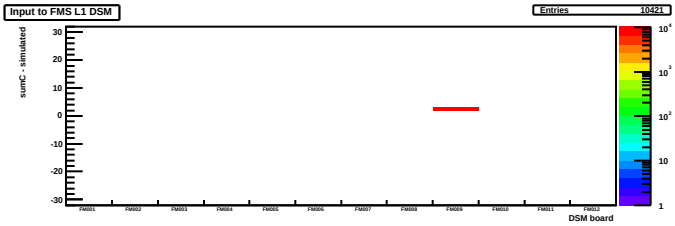

Input to FMS L0 DSM
Entries 7348656
HT ID
QT board

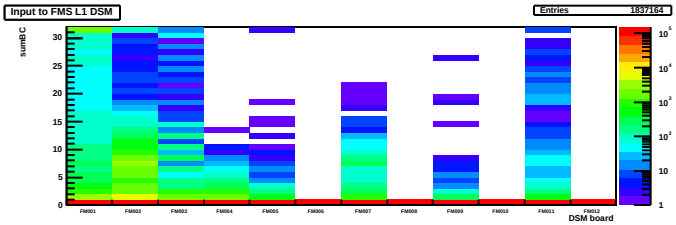

Input to FMS L0 DSM
Entries 176066
HT ID - simulated
QT board

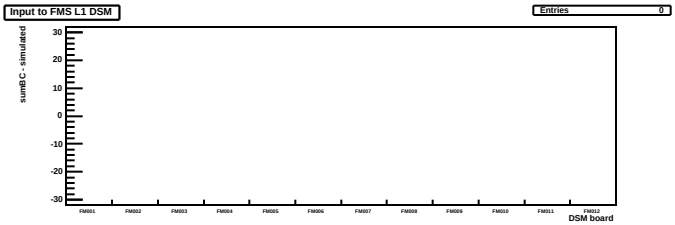

Input to FMS L1 DSM
Entries 1837164
sumD
DSM board

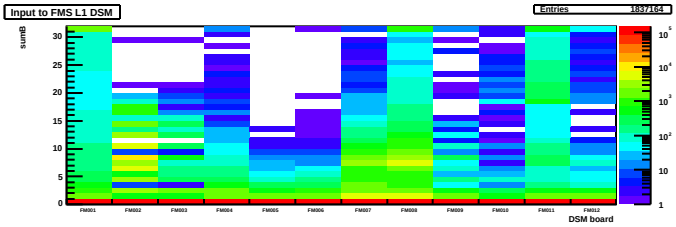

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

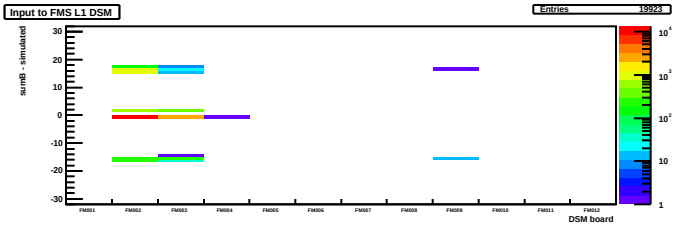

Input to FMS L1 DSM
Entries 1837164
sumC
DSM board

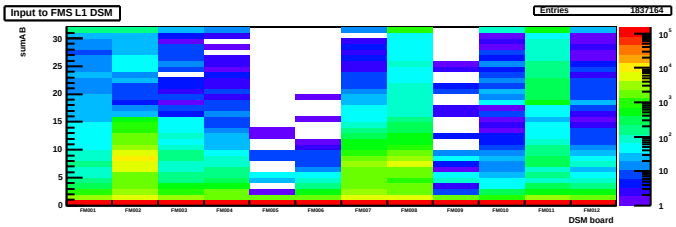

Input to FMS L1 DSM
Entries 10421
sumC - simulated
DSM board

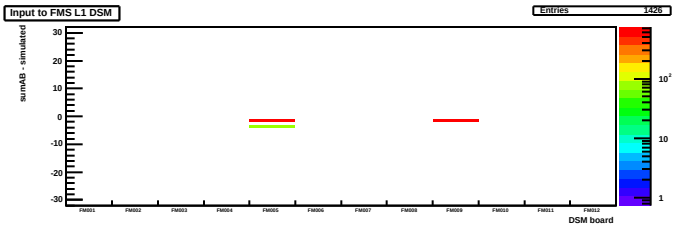

Input to FMS L1 DSM
Entries 1837164
sumBC
DSM board

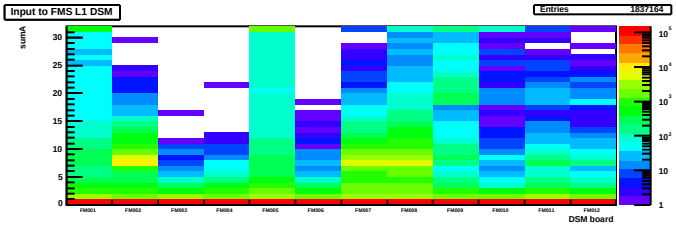

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

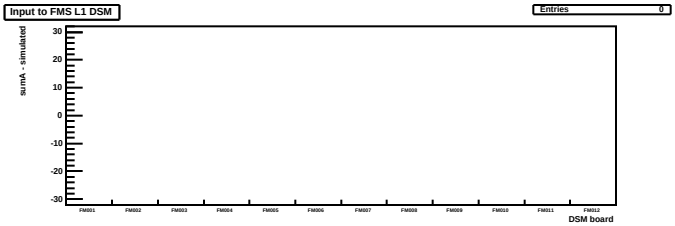

Input to FMS L1 DSM
Entries 1837164
sumB
DSM board

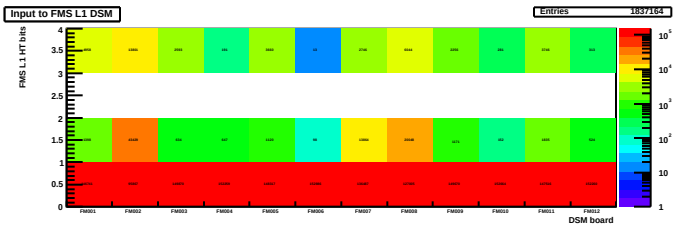

Input to FMS L1 DSM
Entries 19923
sumB - simulated
DSM board

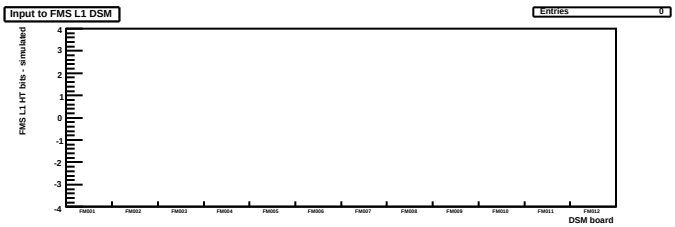

Input to FMS L1 DSM
Entries 1837164
sumAB
DSM board

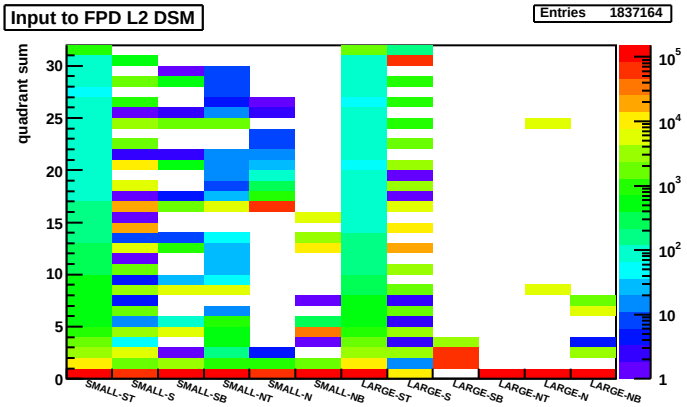

Input to FMS L1 DSM
Entries 1426
sumAB - simulated
DSM board

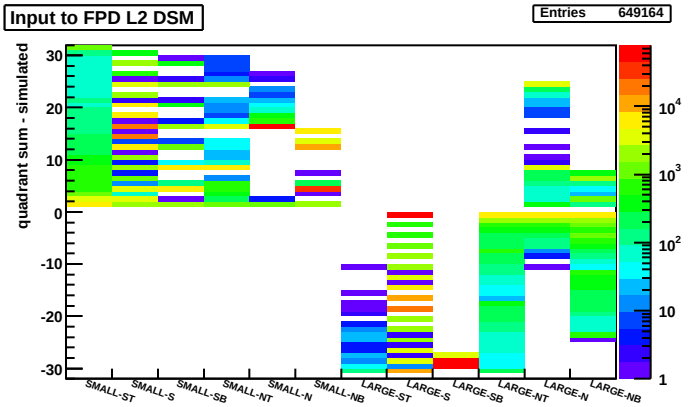

Input to FMS L1 DSM
Entries 1837164
sumA
DSM board

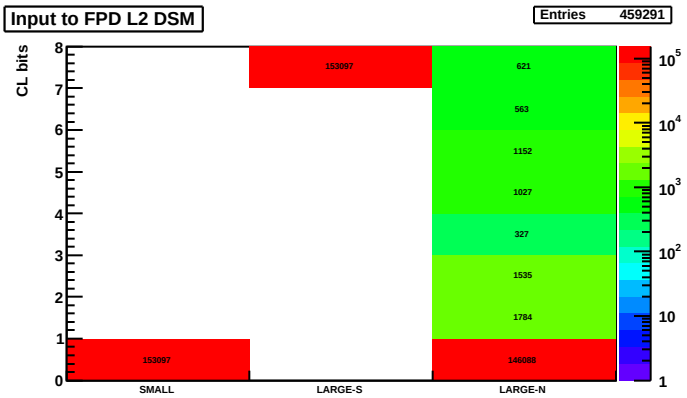

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

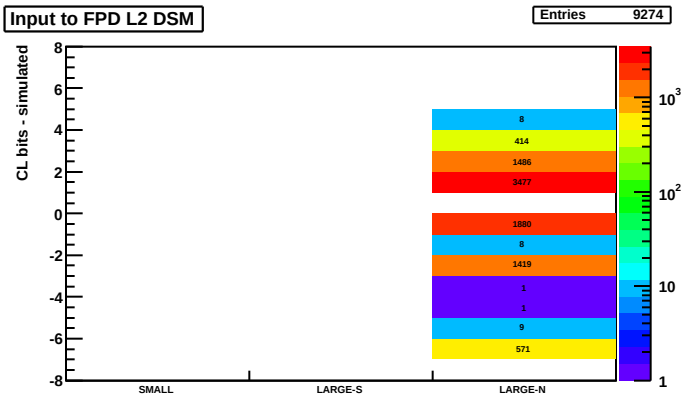

Input to FMS L1 DSM
Entries 1837164
FMS L1 HT bits
DSM board

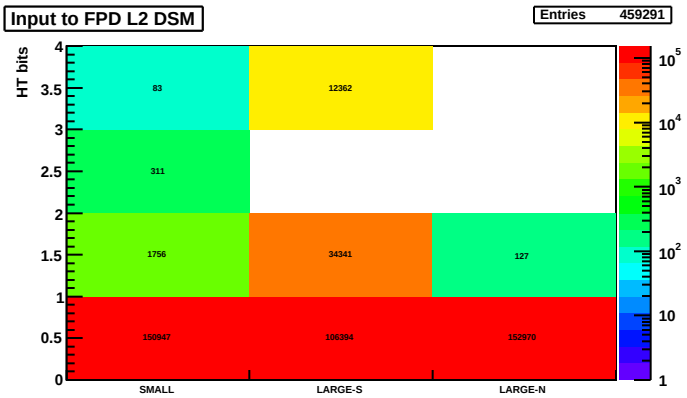

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

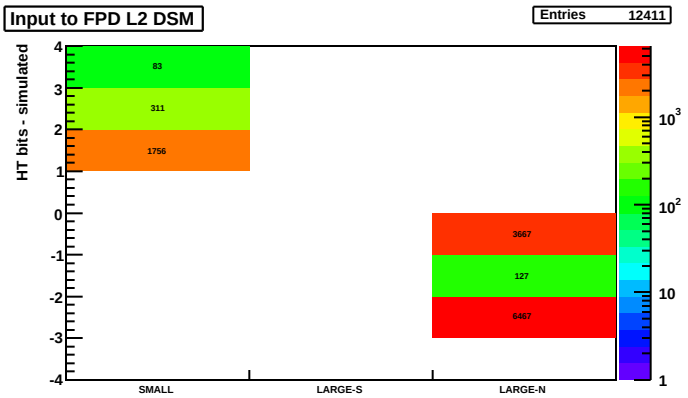

Input to FPD L2 DSM
Entries 1837164
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

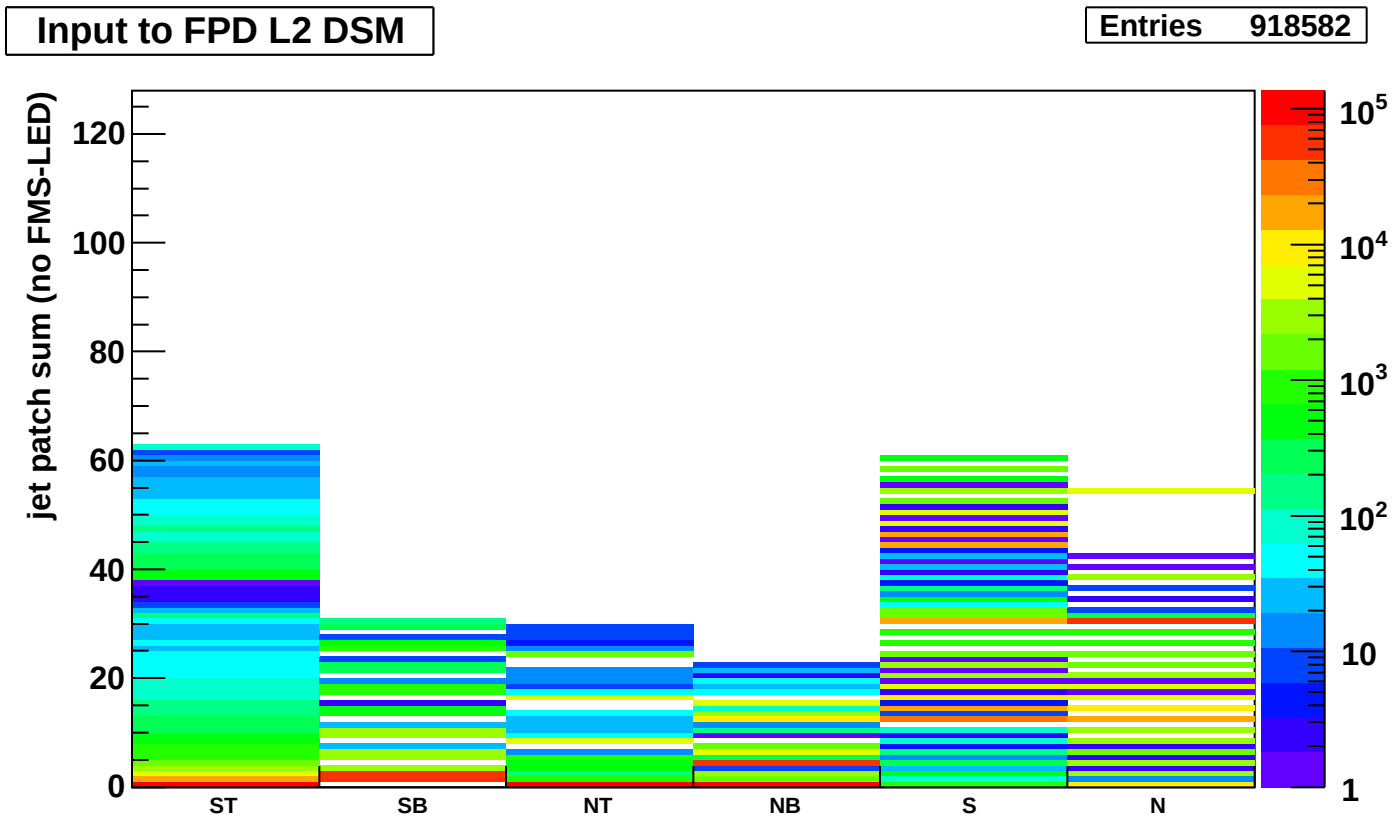

Input to FPD L2 DSM
Entries 649164
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

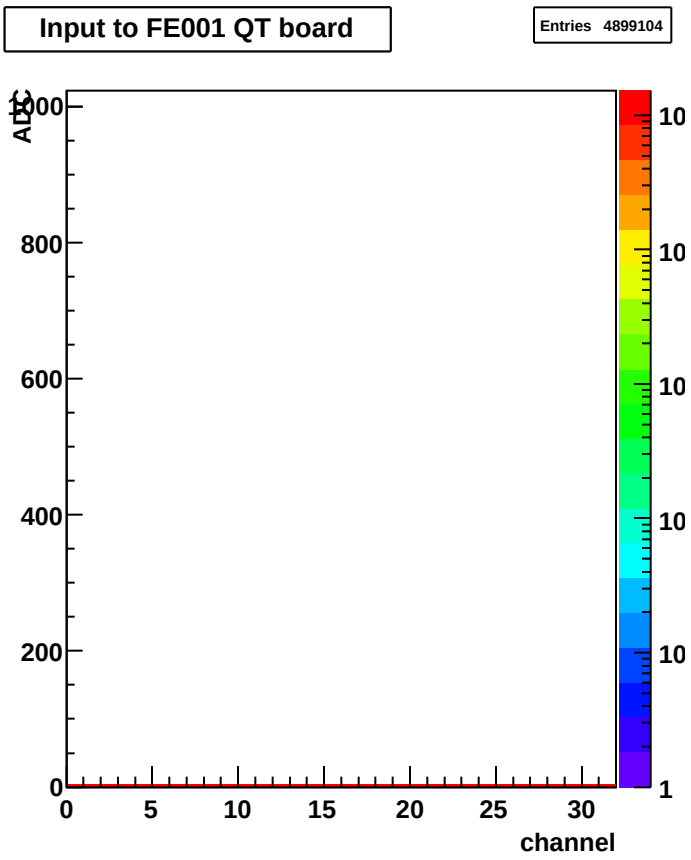

Input to FPD L2 DSM
Entries 459291
CL bits
153097
621
563
1152
1027
327
1535
1784
153097
146088
SMALL
LARGE-S
LARGE-N

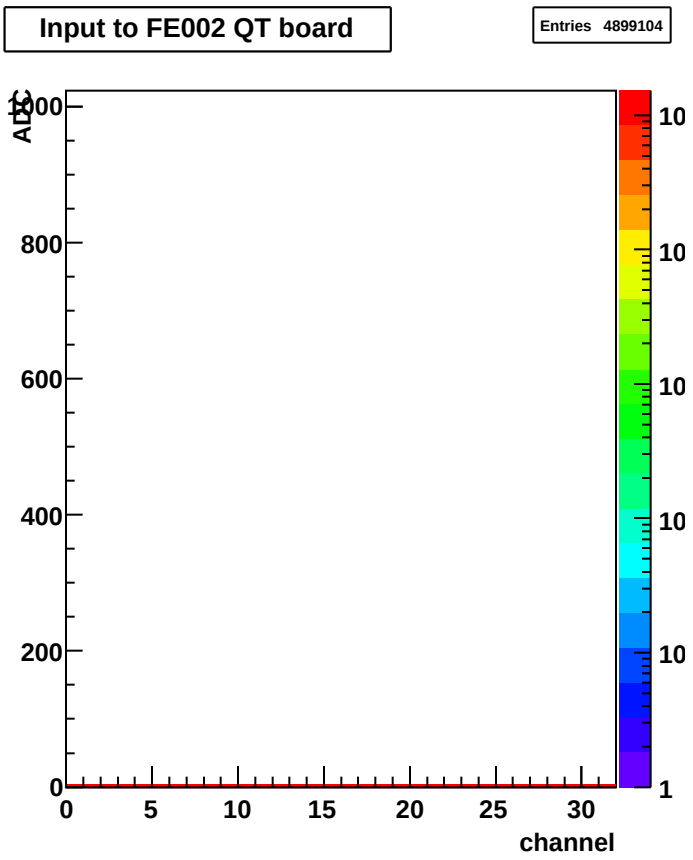

Input to FPD L2 DSM
Entries 9274
CL bits - simulated
8
414
1486
3477
1880
8
1419
1
1
9
571
SMALL
LARGE-S
LARGE-N

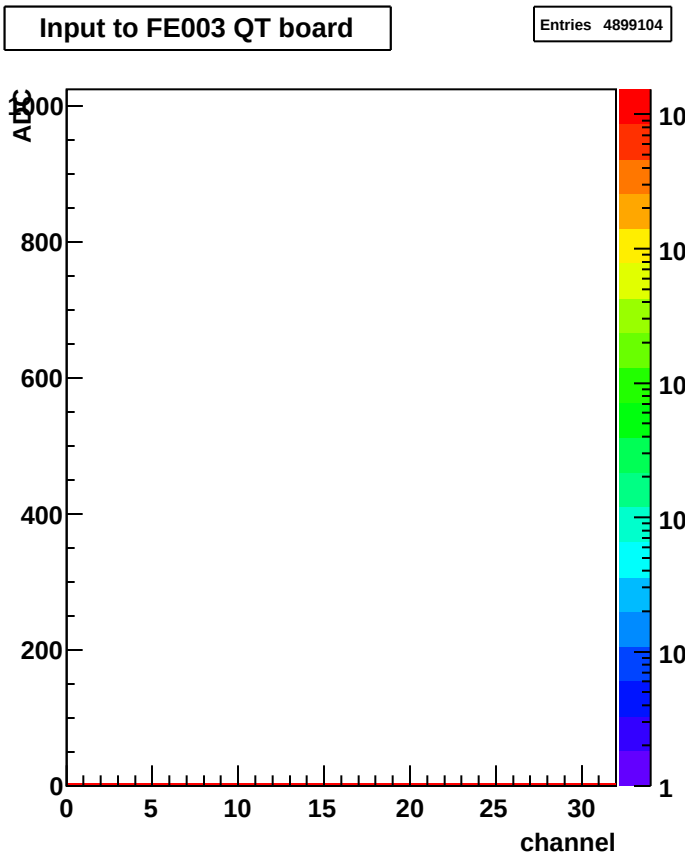

Input to FPD L2 DSM
Entries 459291
HT bits
83
12362
311
1756
34341
127
150947
106394
152970
SMALL
LARGE-S
LARGE-N

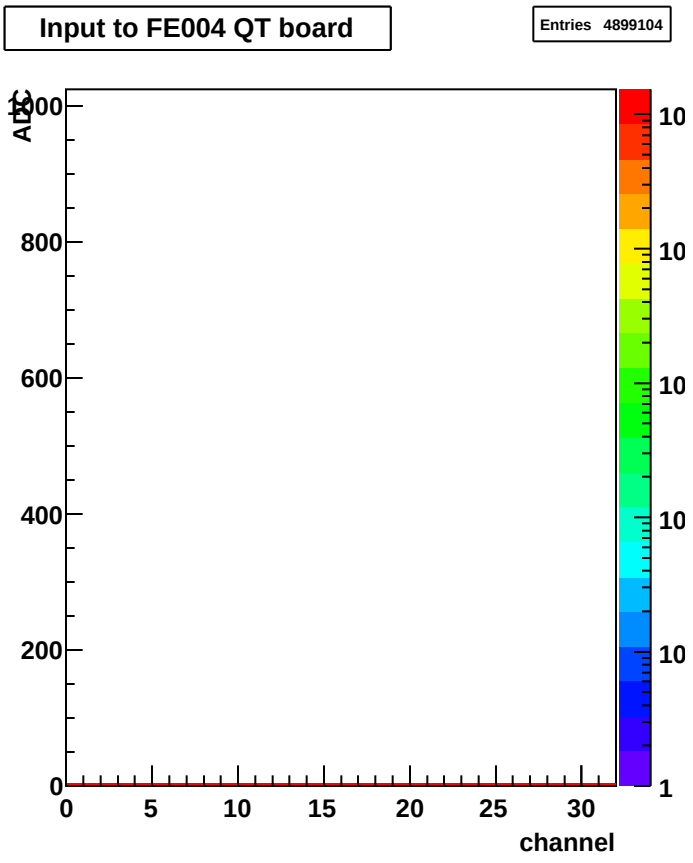

Input to FPD L2 DSM
Entries 12411
HT bits - simulated
83
311
1756
3667
127
6467
SMALL
LARGE-S
LARGE-N

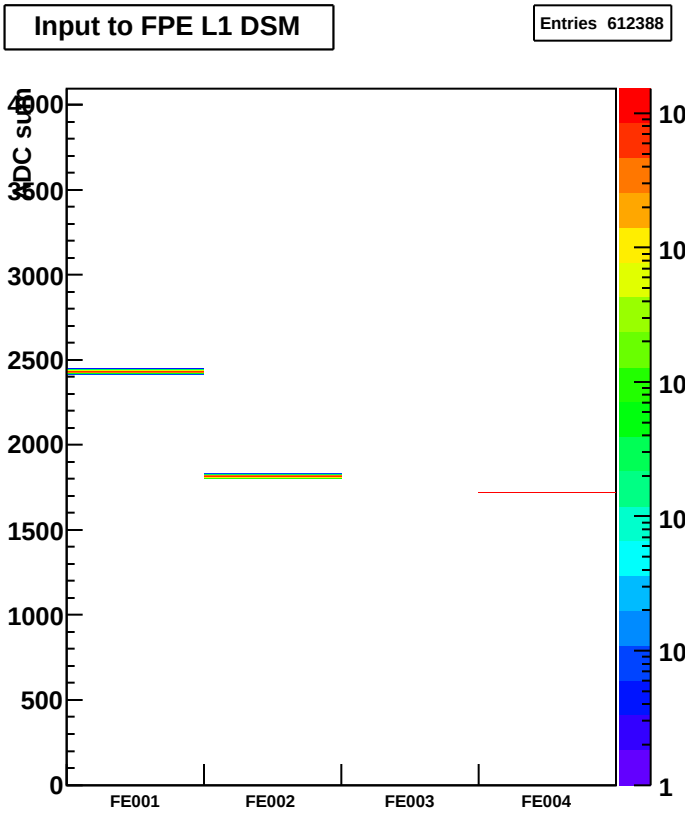

Input to FPD L2 DSM
Entries 918582
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4
10^5


Input to FE001 QT board
Entries 4899104
ADC
channel

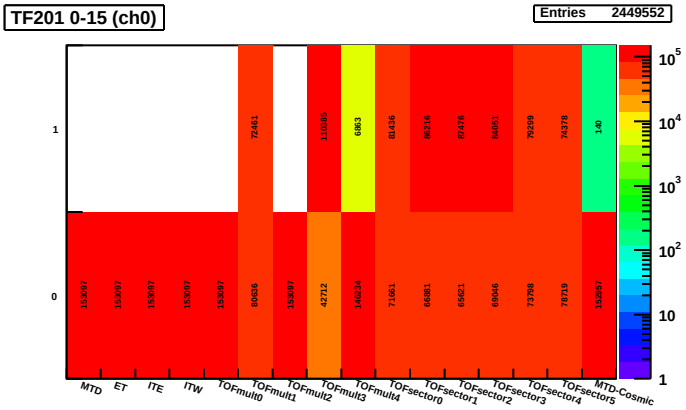

Input to FE002 QT board
Entries 4899104
ADC
channel


Input to FE003 QT board
Entries 4899104
ADC
channel

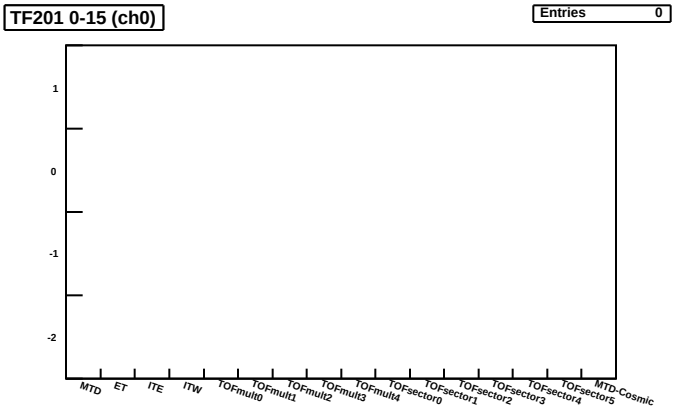

Input to FE004 QT board
Entries 4899104
ADC
channel


Input to FPE L1 DSM
Entries 612388
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
10
1

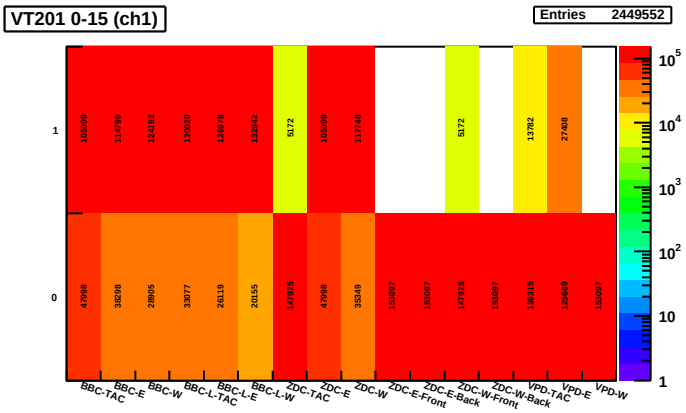
TF201 0-15 (ch0)



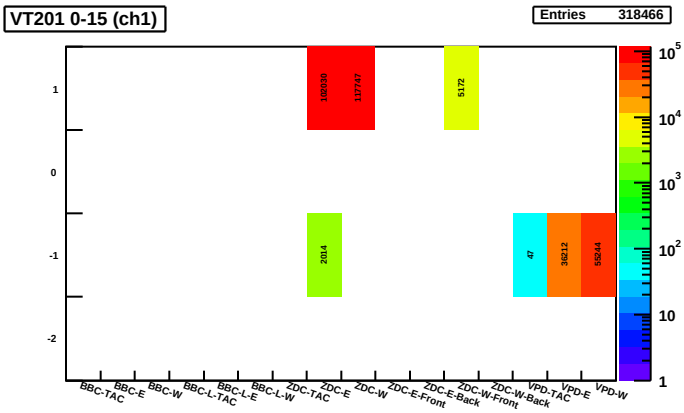
TF201 0-15 (ch0)



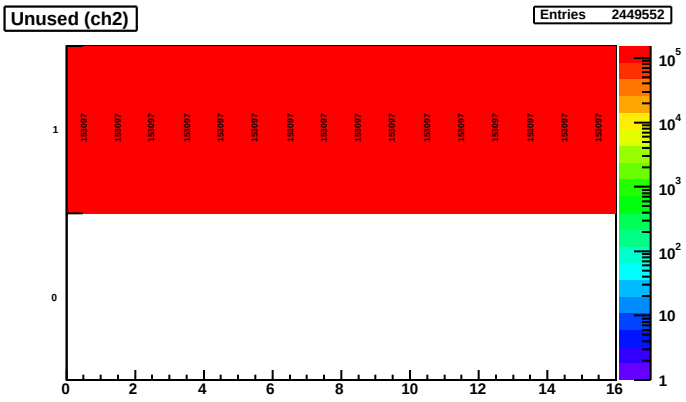
VT201 0-15 (ch1)

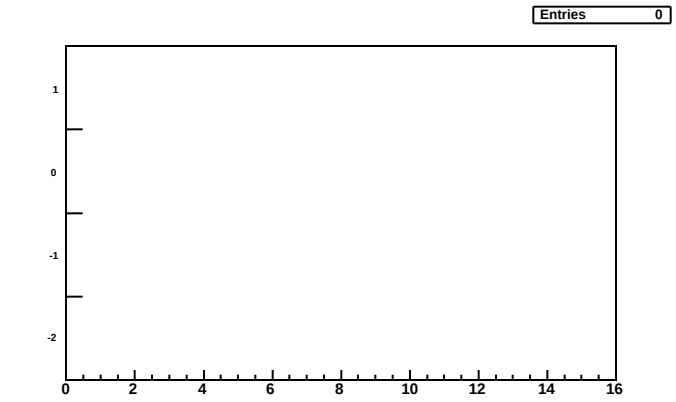


VT201 0-15 (ch1)

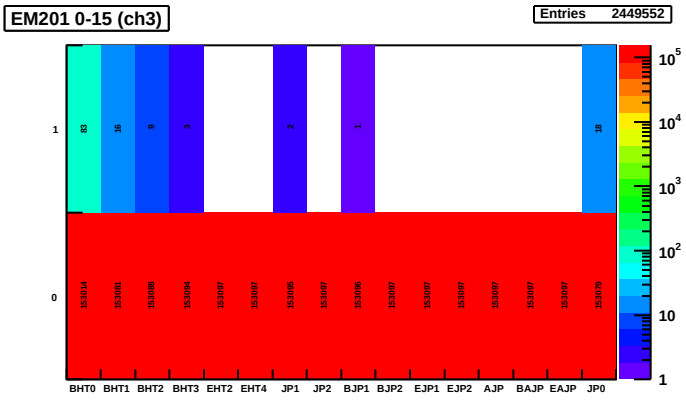


Unused (ch2)

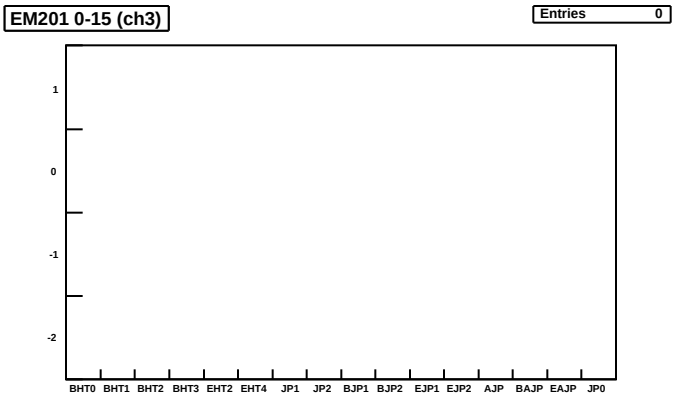




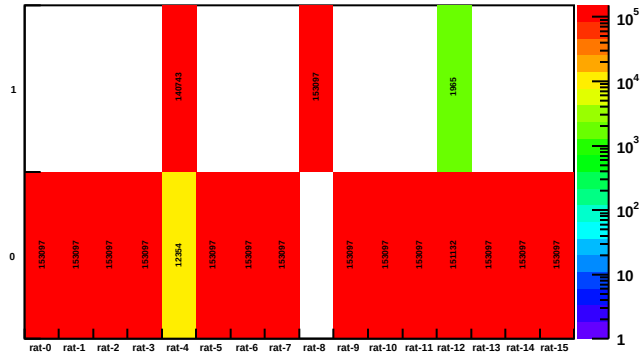
EM201 0-15 (ch3)

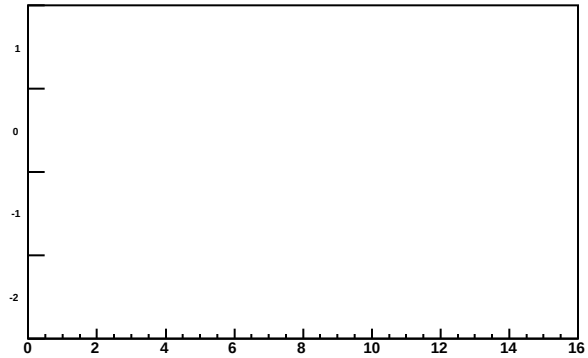


EM201 0-15 (ch3)

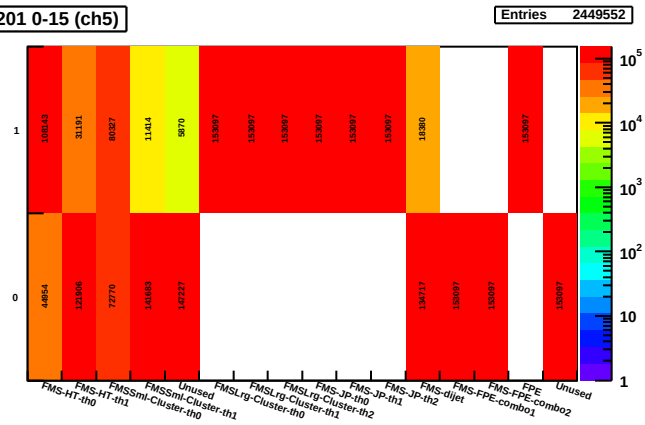


RAT board (ch4)

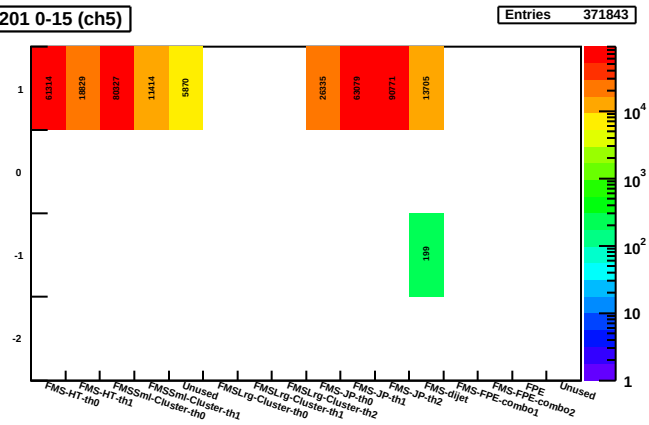




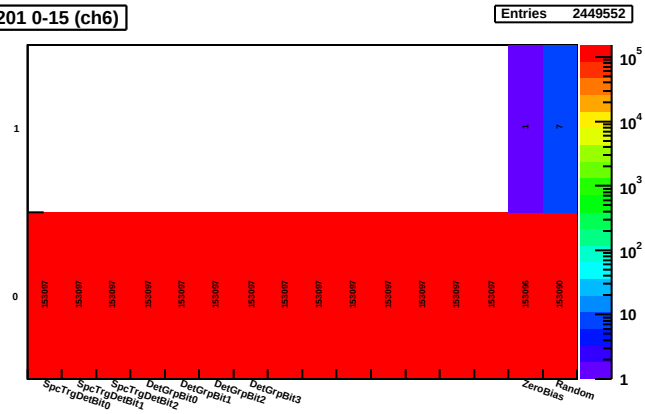
FP201 0-15 (ch5)

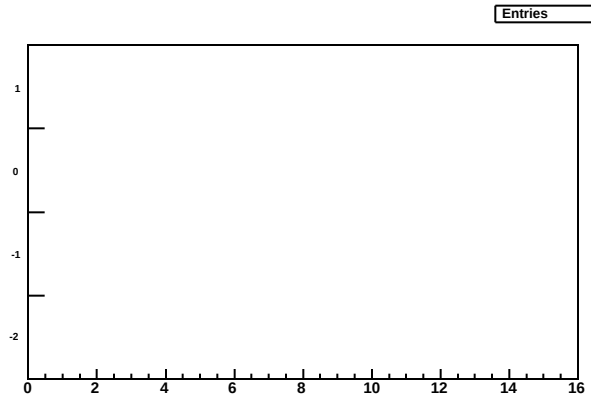
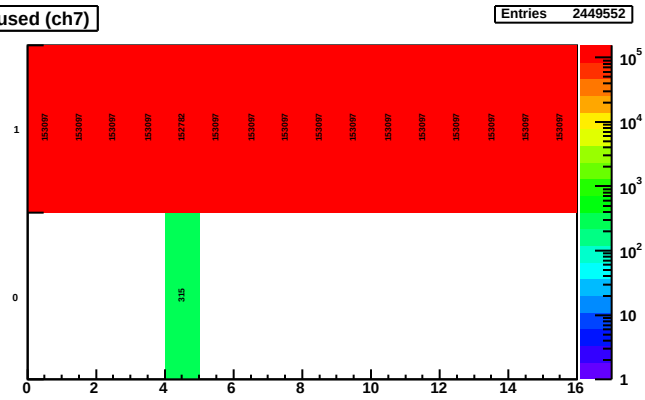
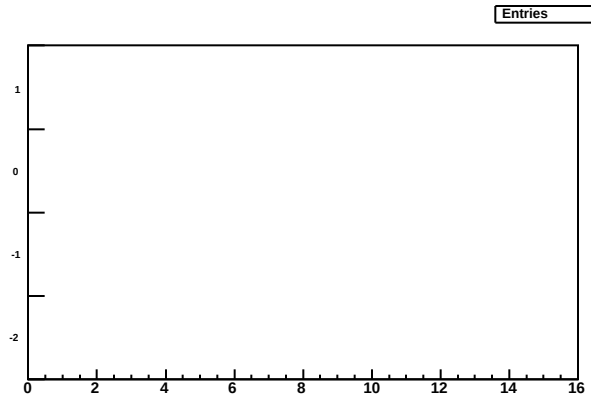


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)