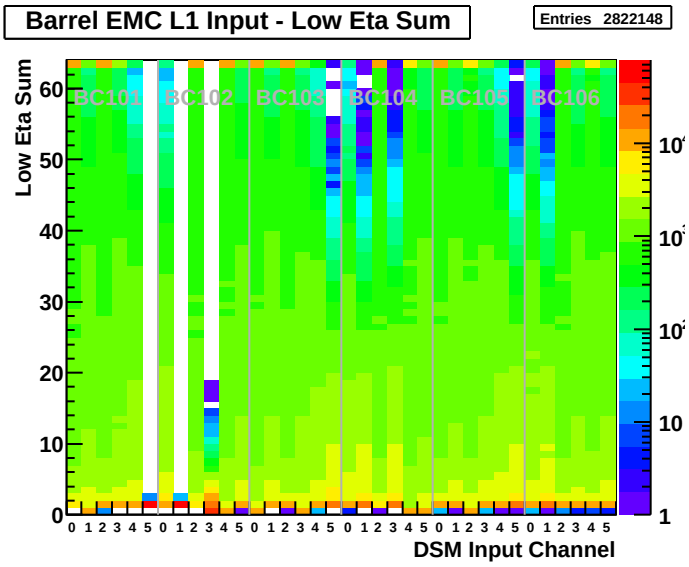
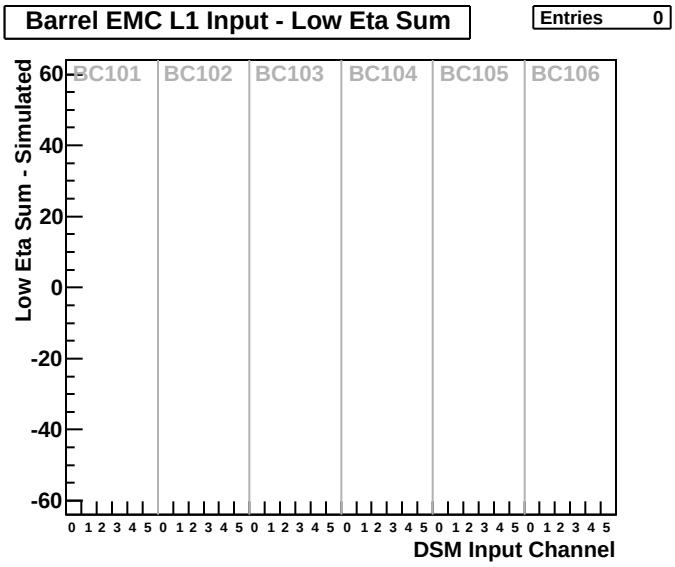
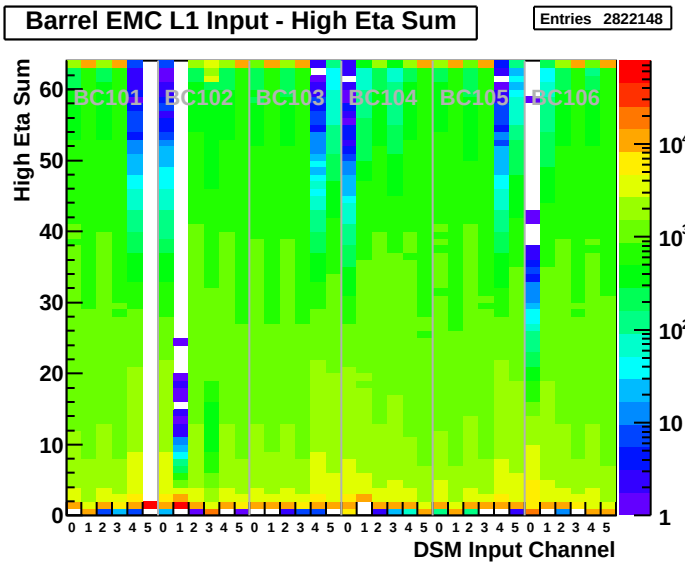
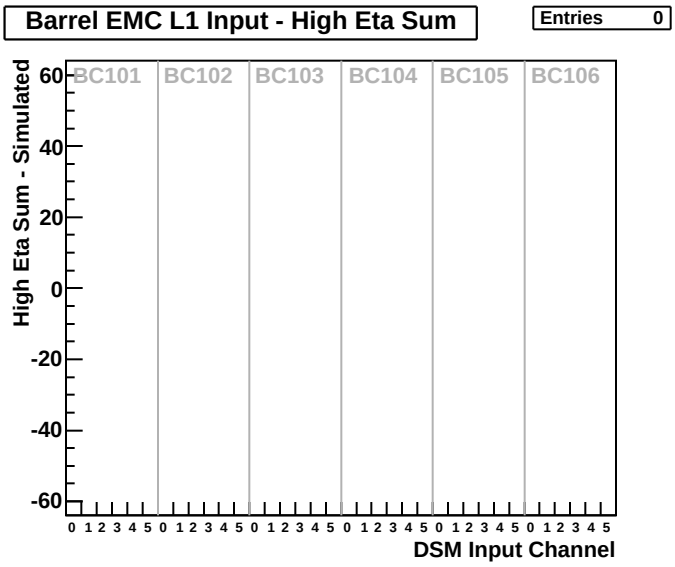
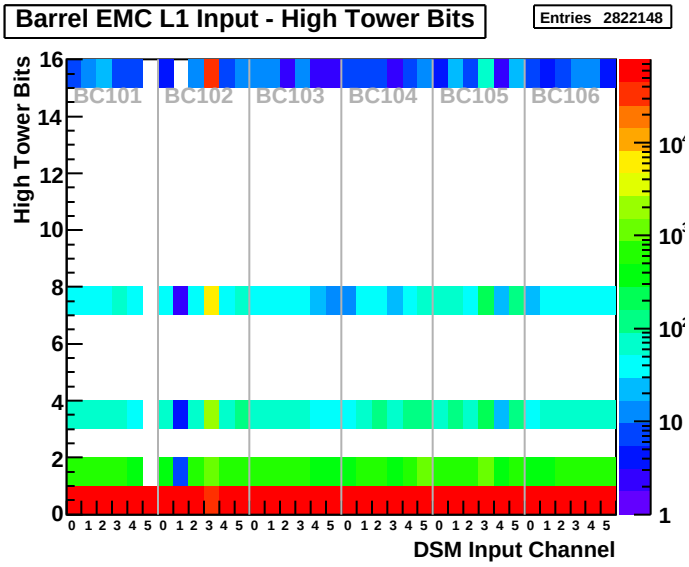
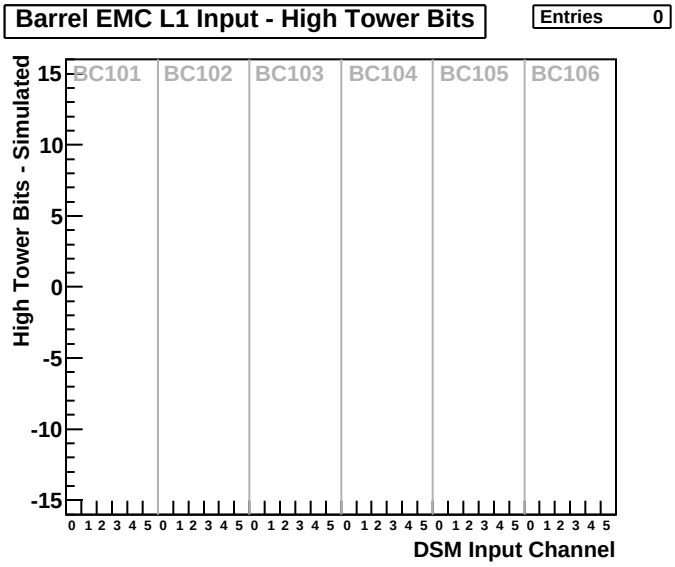

Barrel EMC L1 Input - Low Eta Sum
Entries 2822148
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

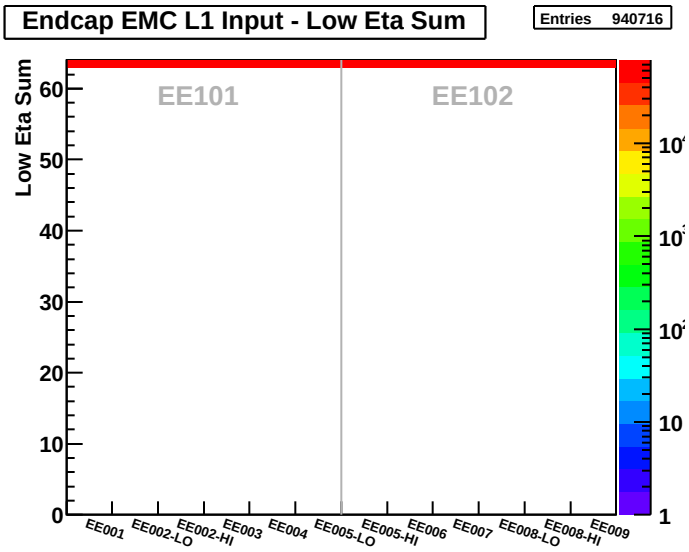

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

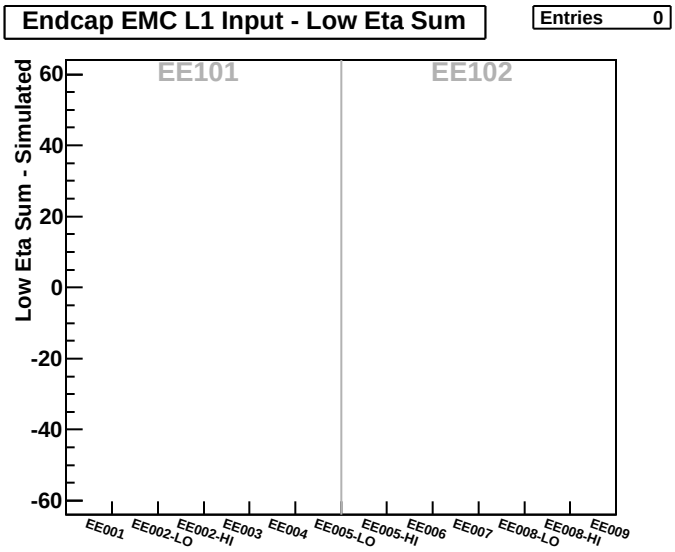

Barrel EMC L1 Input - High Eta Sum
Entries 2822148
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

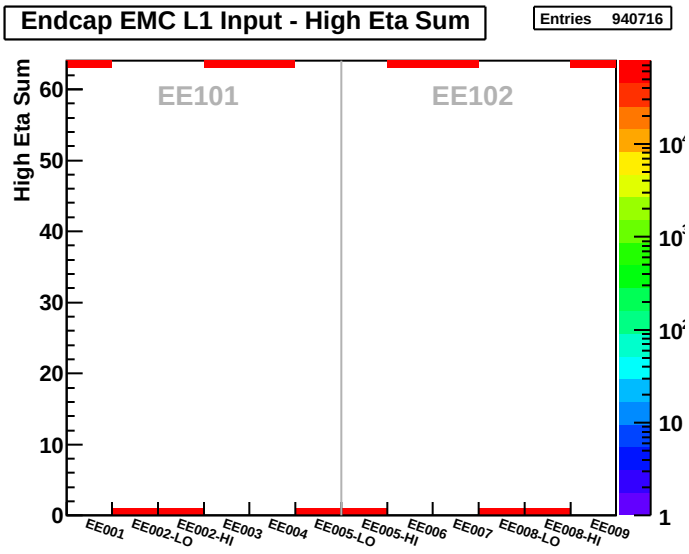

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

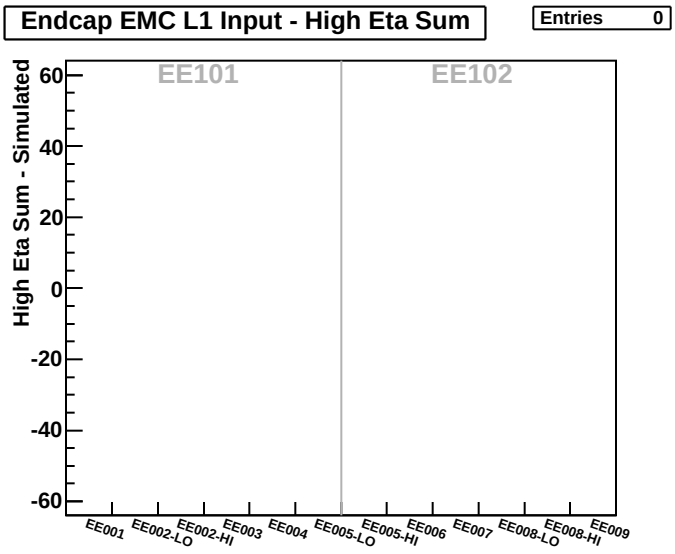

Barrel EMC L1 Input - High Tower Bits
Entries 2822148
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

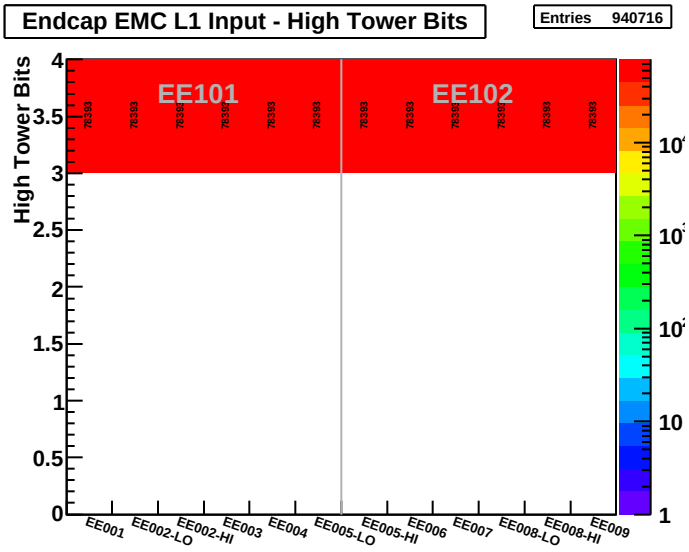

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

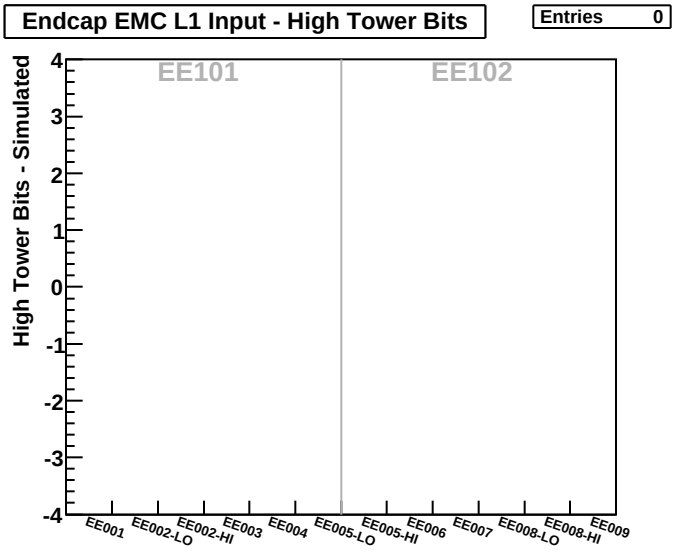

Endcap EMC L1 Input - Low Eta Sum
Entries 940716
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

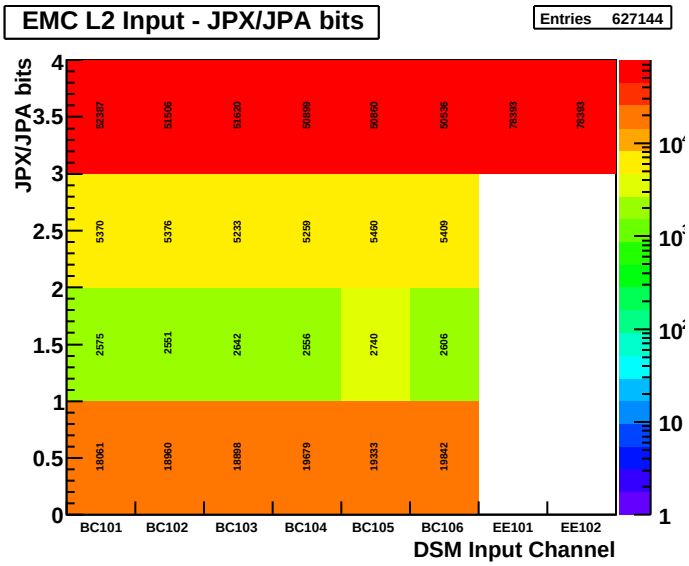

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

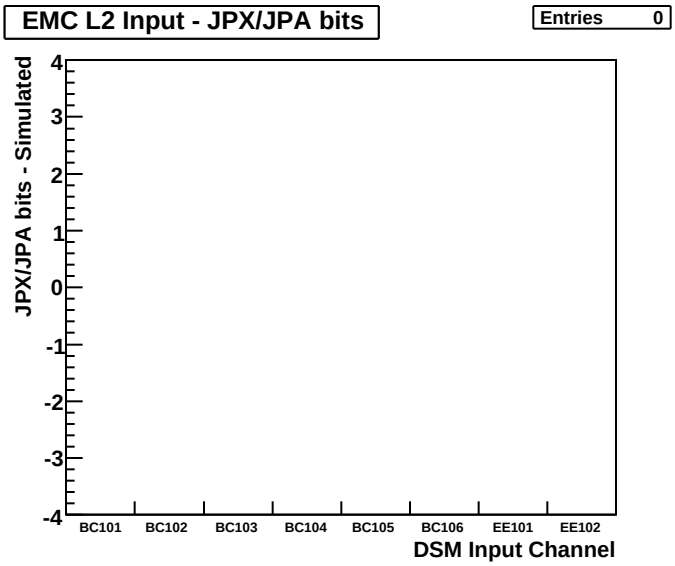

Endcap EMC L1 Input - High Eta Sum
Entries 940716
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

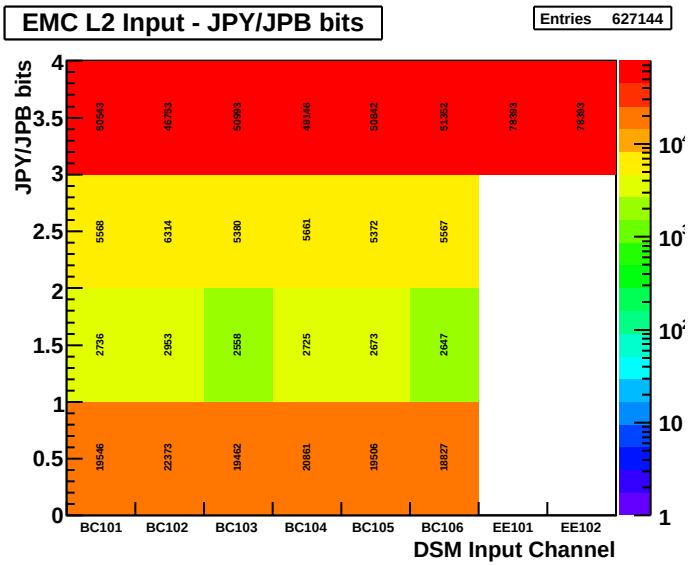

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

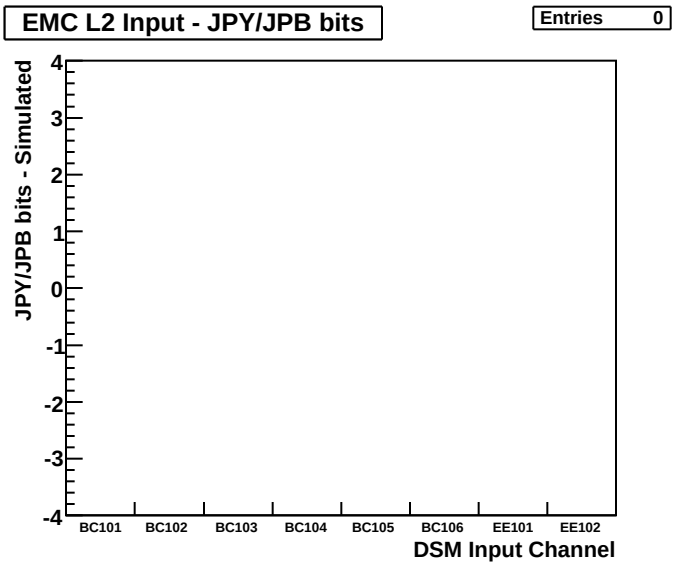

Endcap EMC L1 Input - High Tower Bits
Entries 940716
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

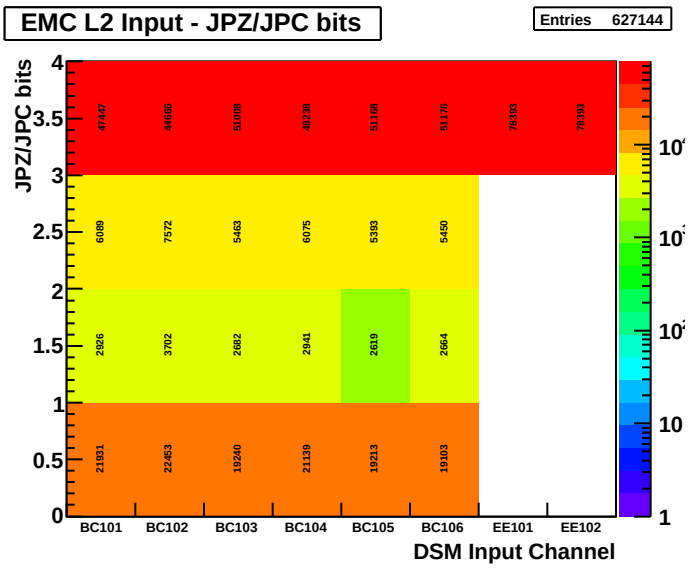

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

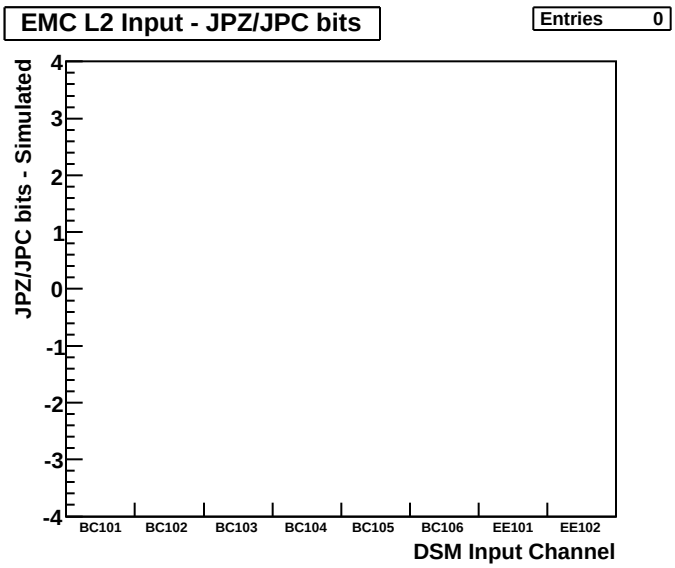

EMC L2 Input - JPX/JPA bits
Entries 627144
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
52387 51506 51620 50899 50860 50536 78393 78393
5370 5376 5233 5259 5460 5409
2575 2551 2642 2566 2740 2606
18061 18960 18898 19679 19333 19842

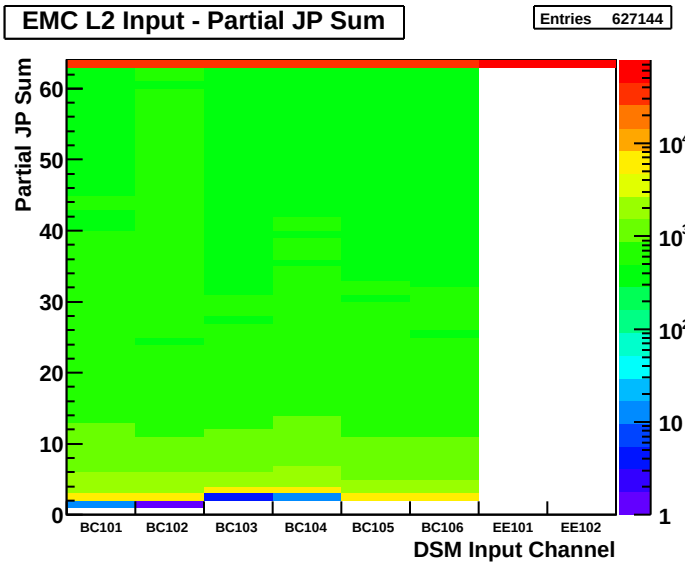

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

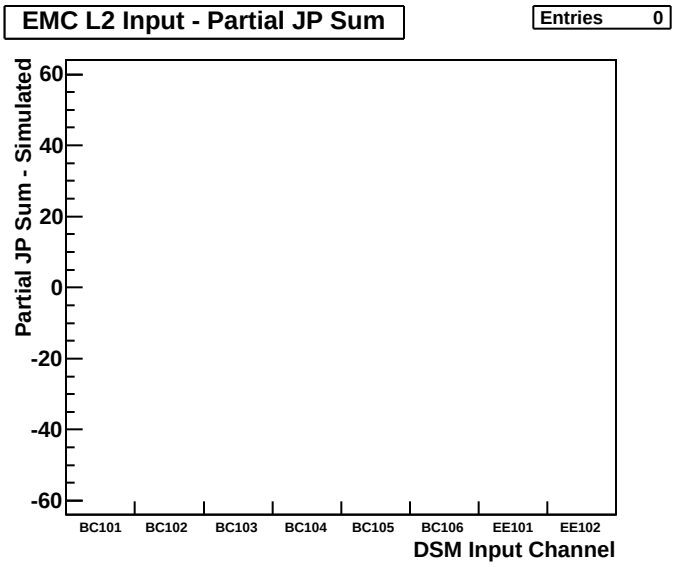

EMC L2 Input - JPY/JPB bits
Entries 627144
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
50543 46753 50993 49146 50942 51352 78393 78393
5568 6314 5380 5661 5372 5567
2736 2953 2558 2725 2673 2647
19546 22373 19462 20861 19506 18827

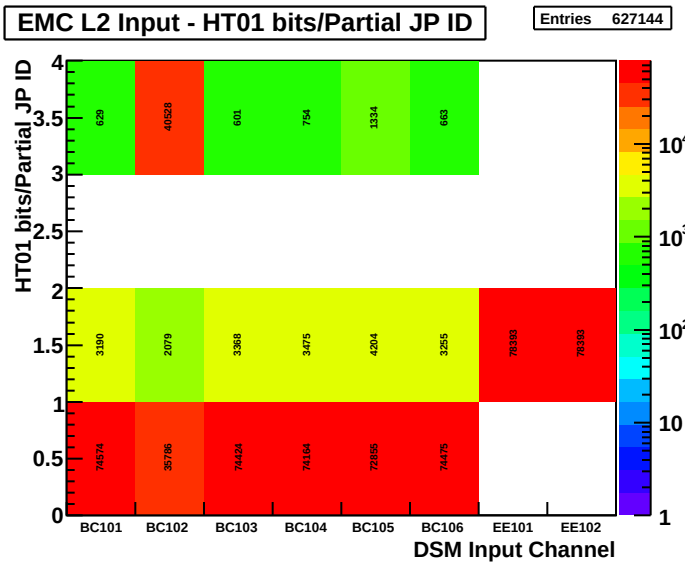

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

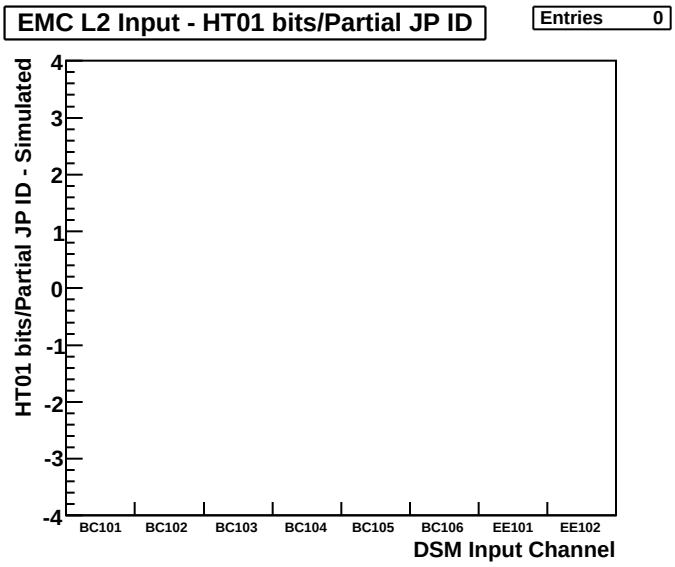

EMC L2 Input - JPZ/JPC bits
Entries 627144
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
47447 44666 51008 48238 51168 51176 78393 78393
6089 7572 5463 6075 5393 5450
2926 3702 2682 2941 2619 2664
21831 22453 19240 21139 19213 19103

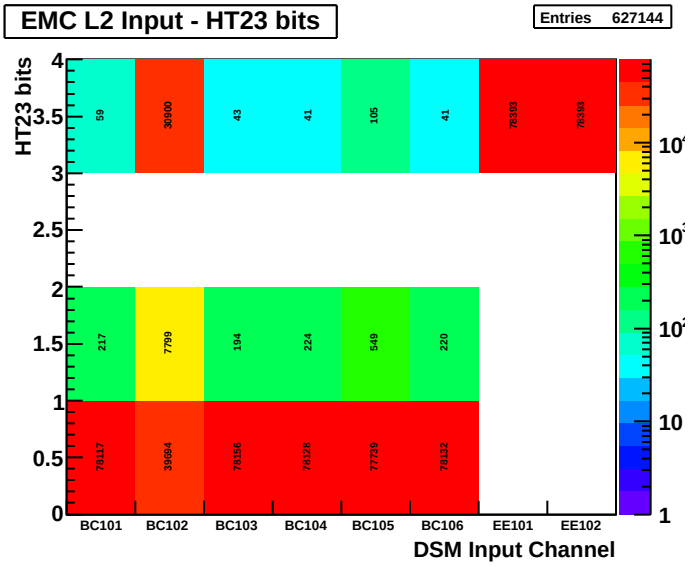

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

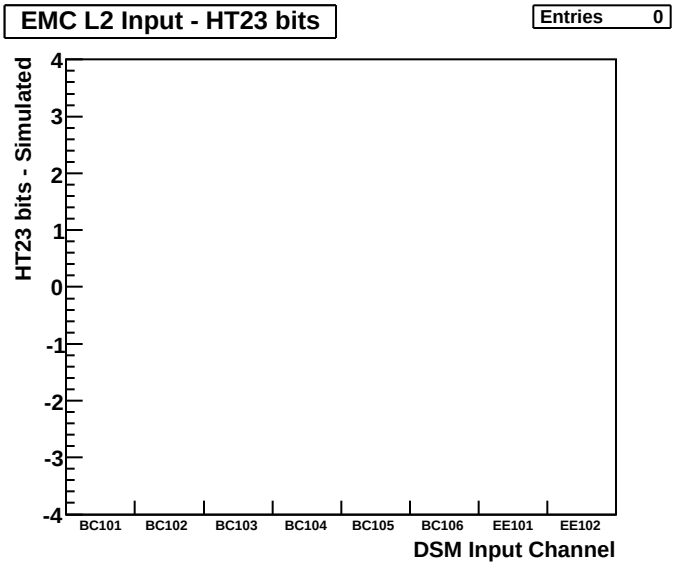

EMC L2 Input - Partial JP Sum
Entries 627144
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

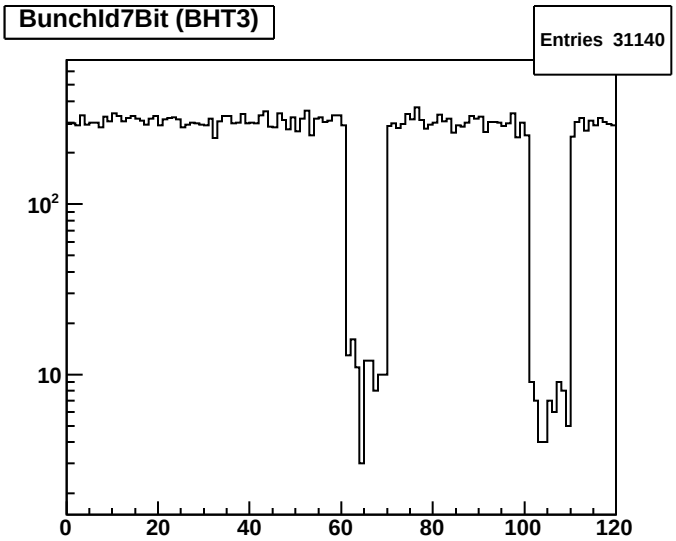

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

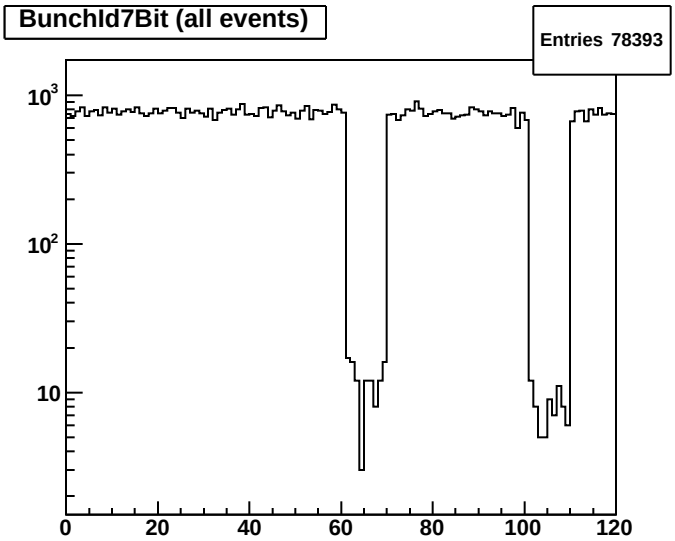

EMC L2 Input - HT01 bits/Partial JP ID
Entries 627144
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

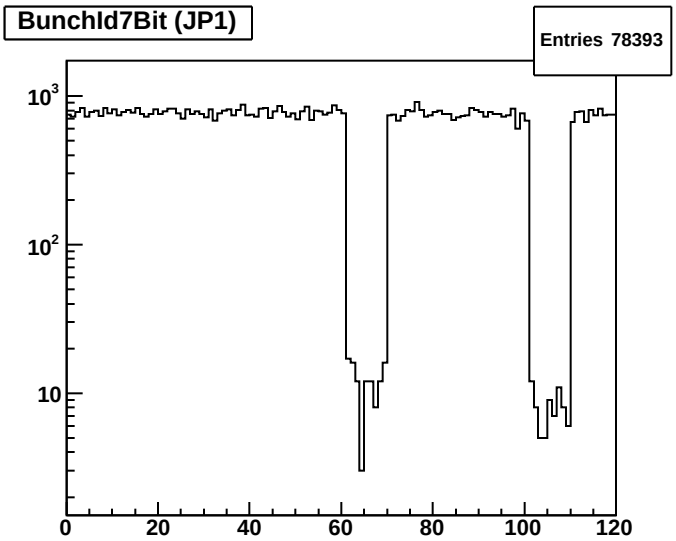

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

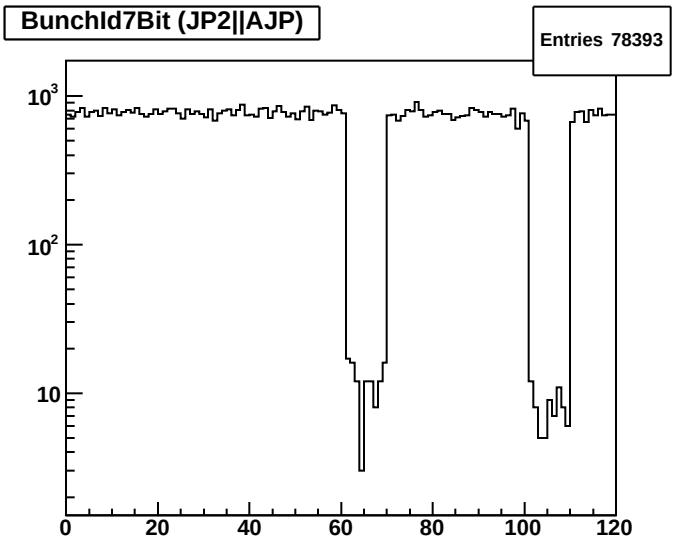

EMC L2 Input - HT23 bits
Entries 627144
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

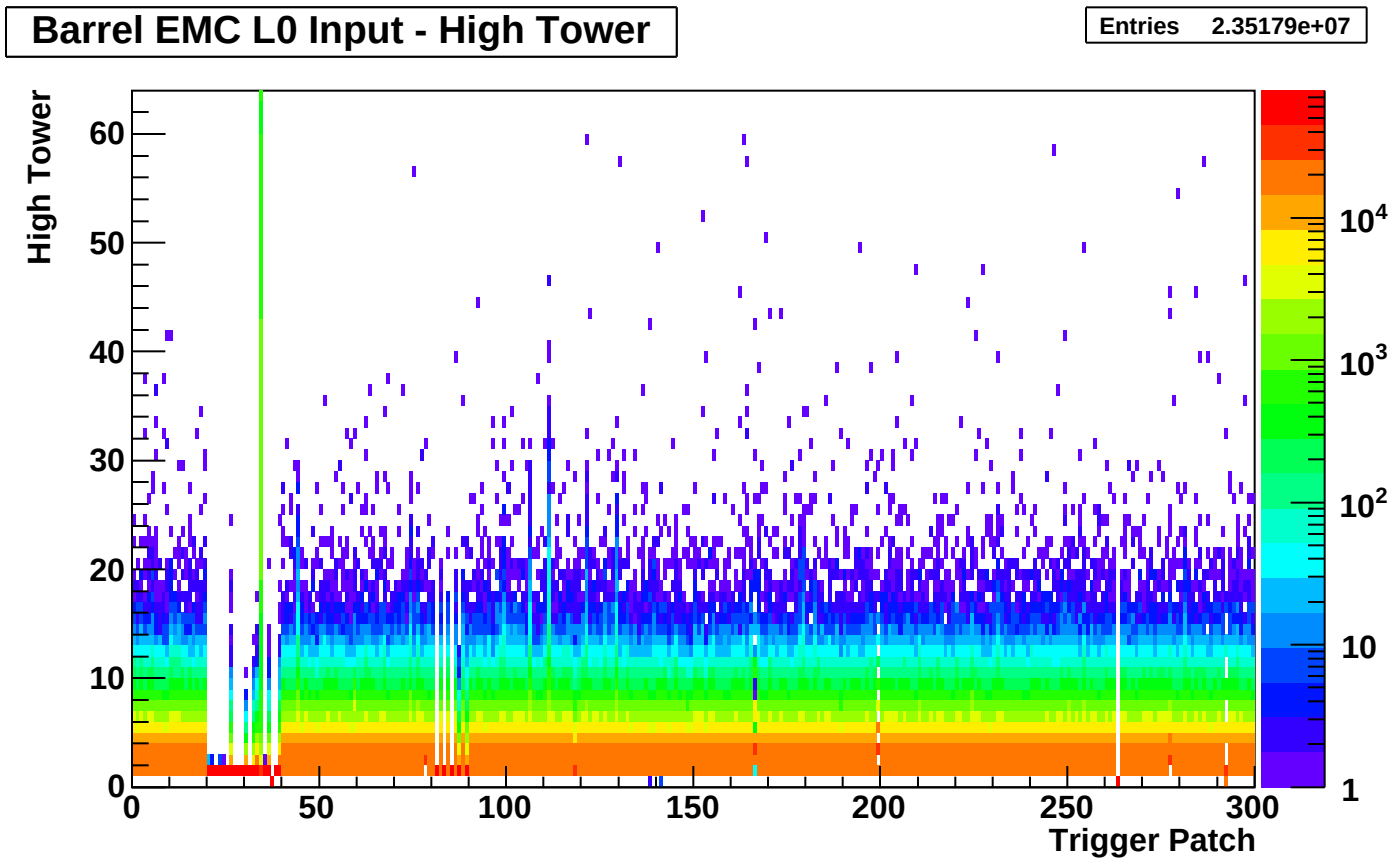

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

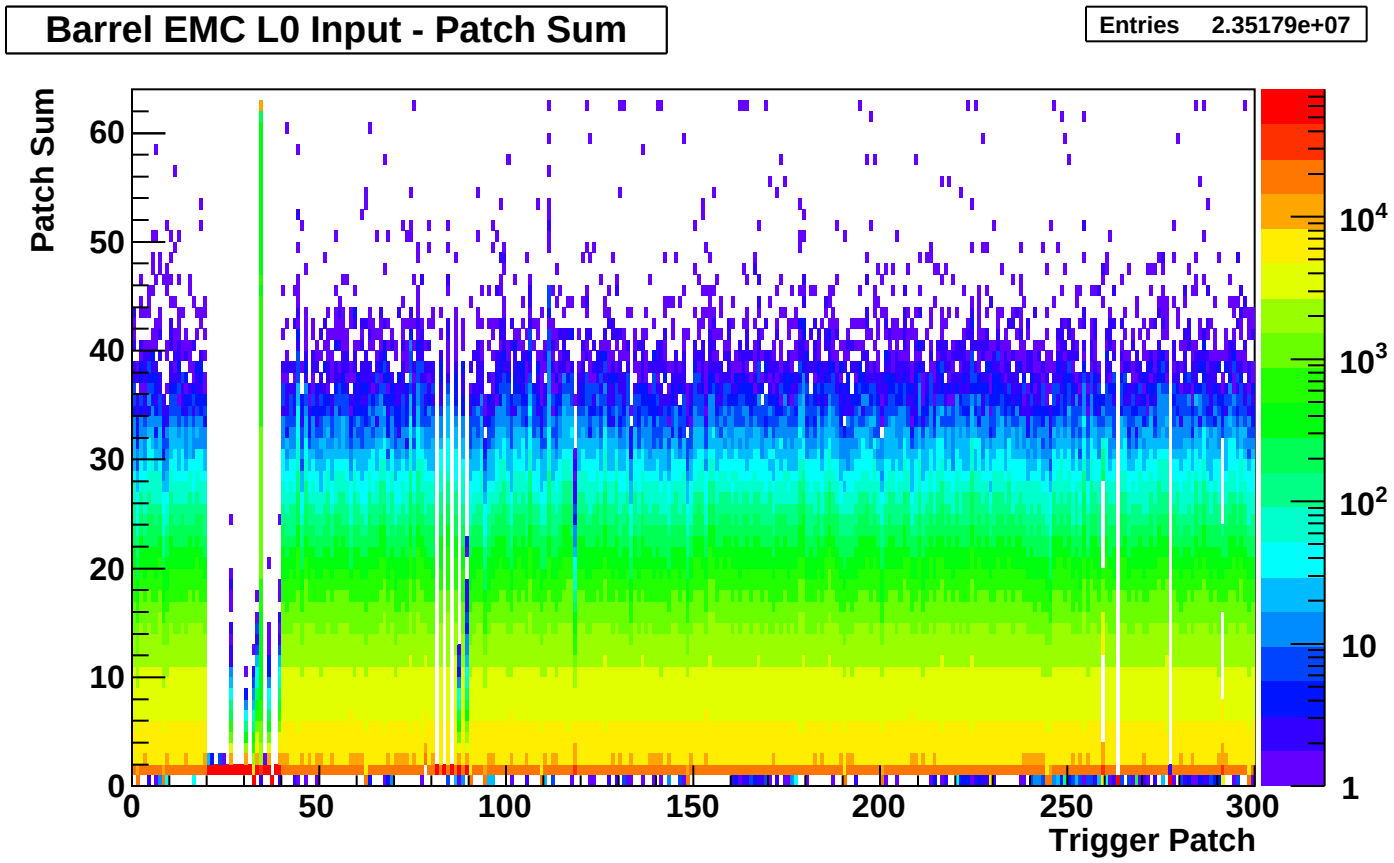

BunchId7Bit (BHT3)
Entries 31140
10^2
10
0
20
40
60
80
100
120

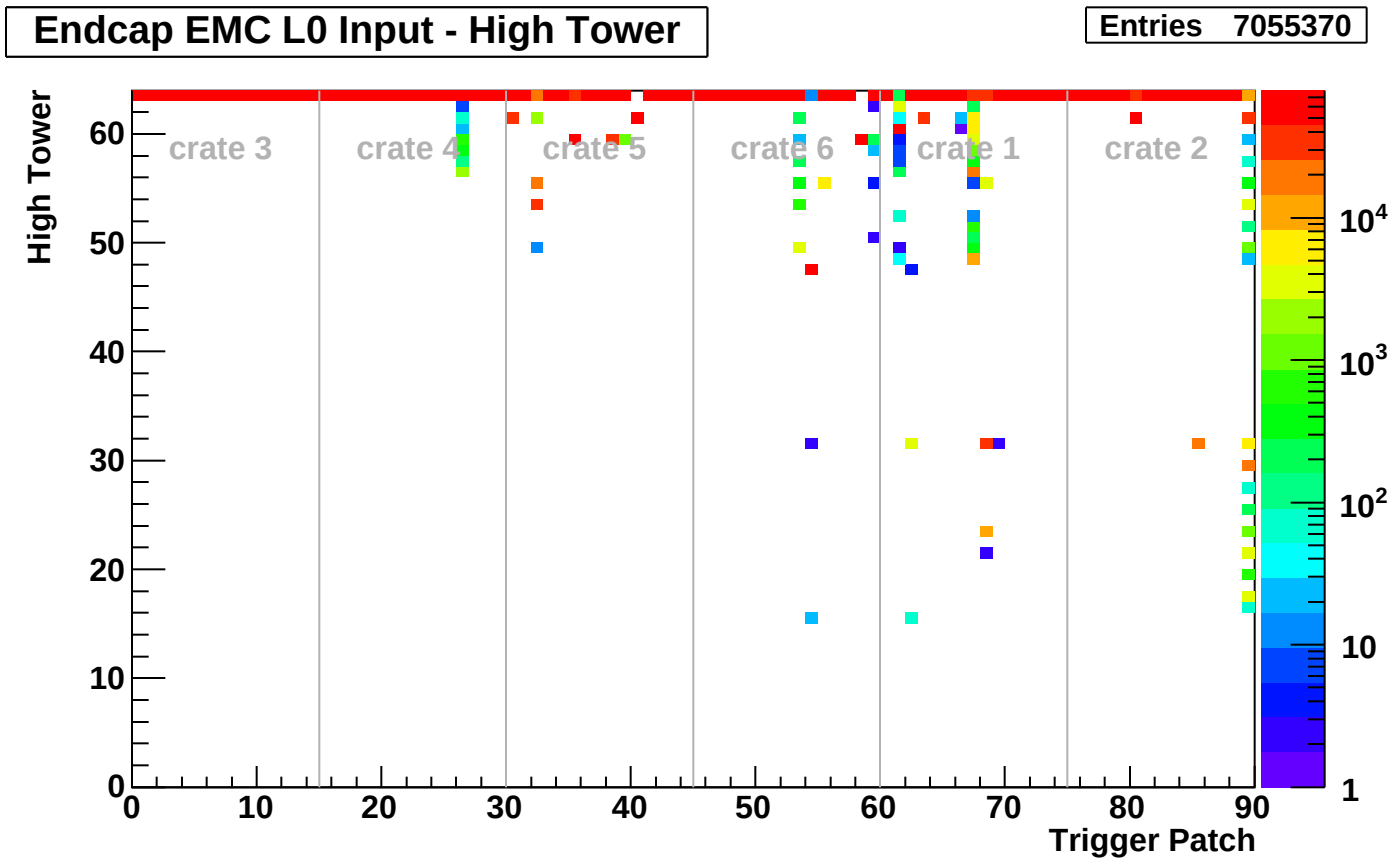

BunchId7Bit (all events)
Entries 78393
10^3
10^2
10
0
20
40
60
80
100
120

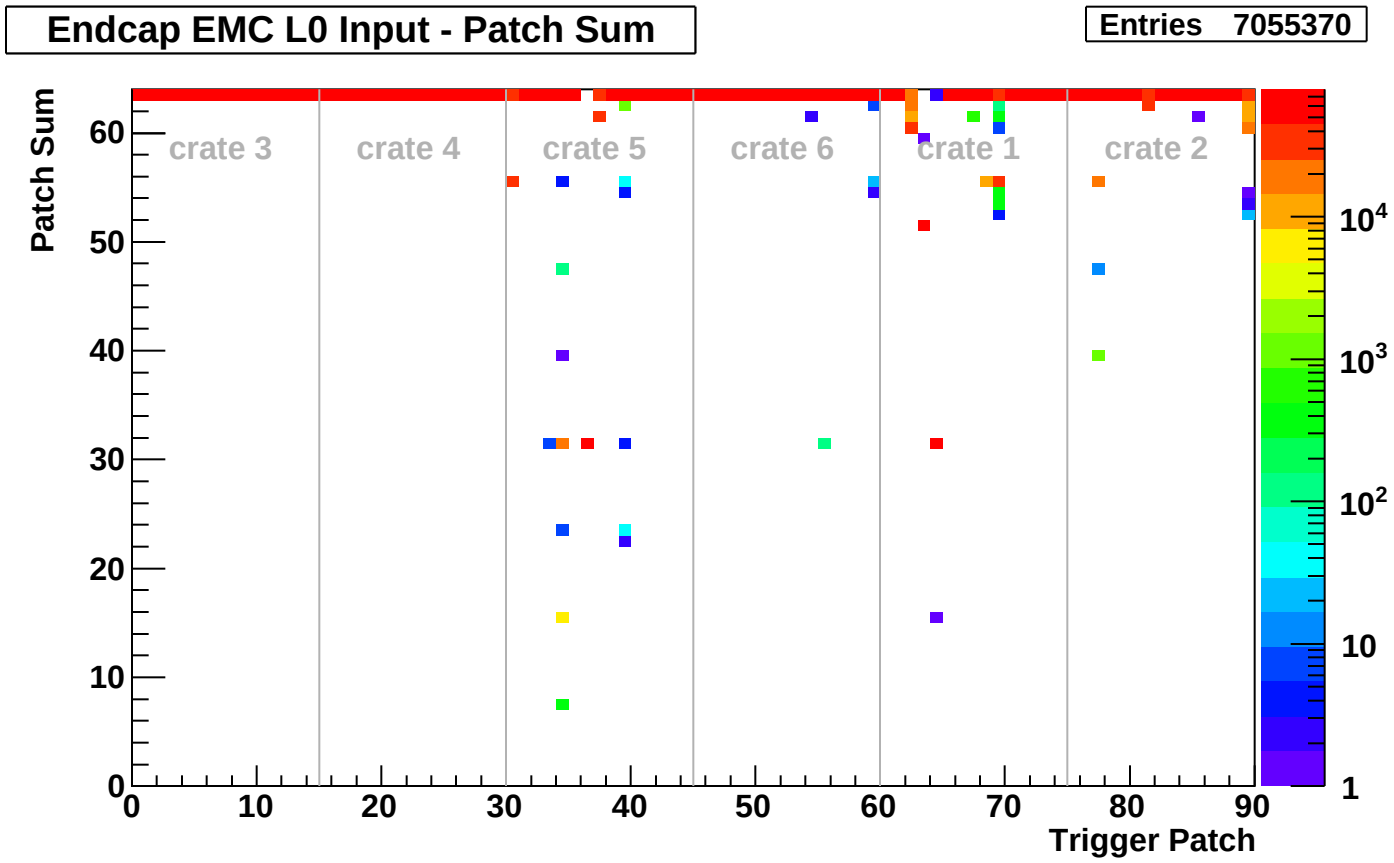

BunchId7Bit (JP1)
Entries 78393
10^3
10^2
10
0
20
40
60
80
100
120

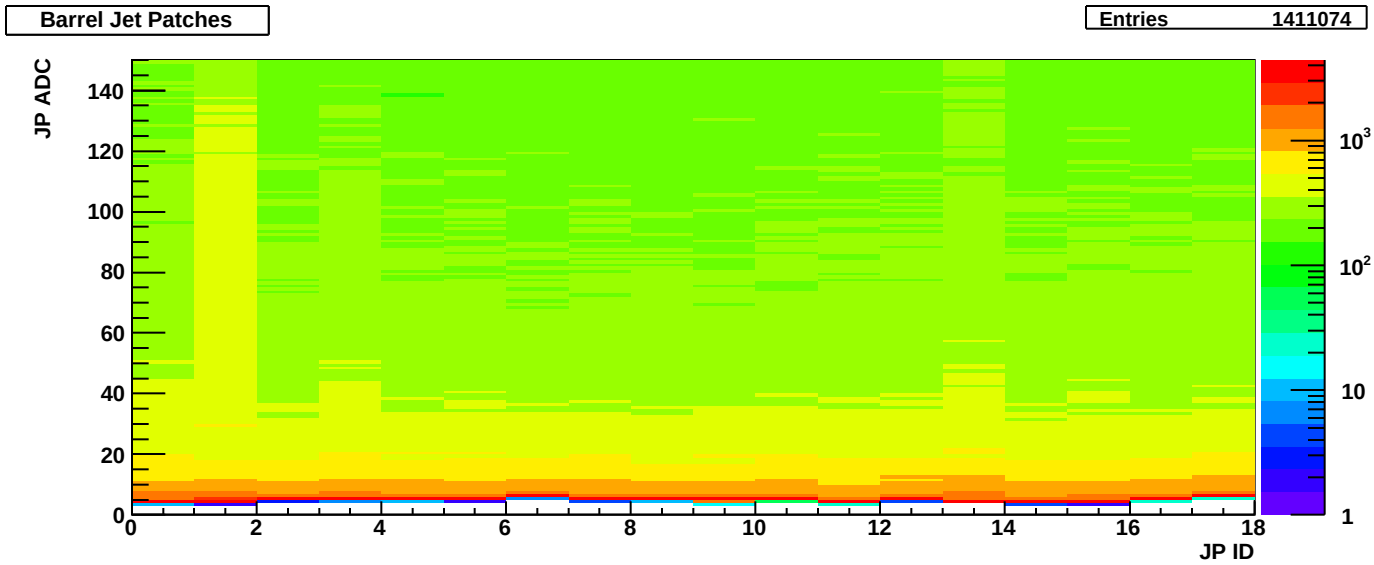

BunchId7Bit (JP2||AJP)
Entries 78393
10^3
10^2
10
0
20
40
60
80
100
120

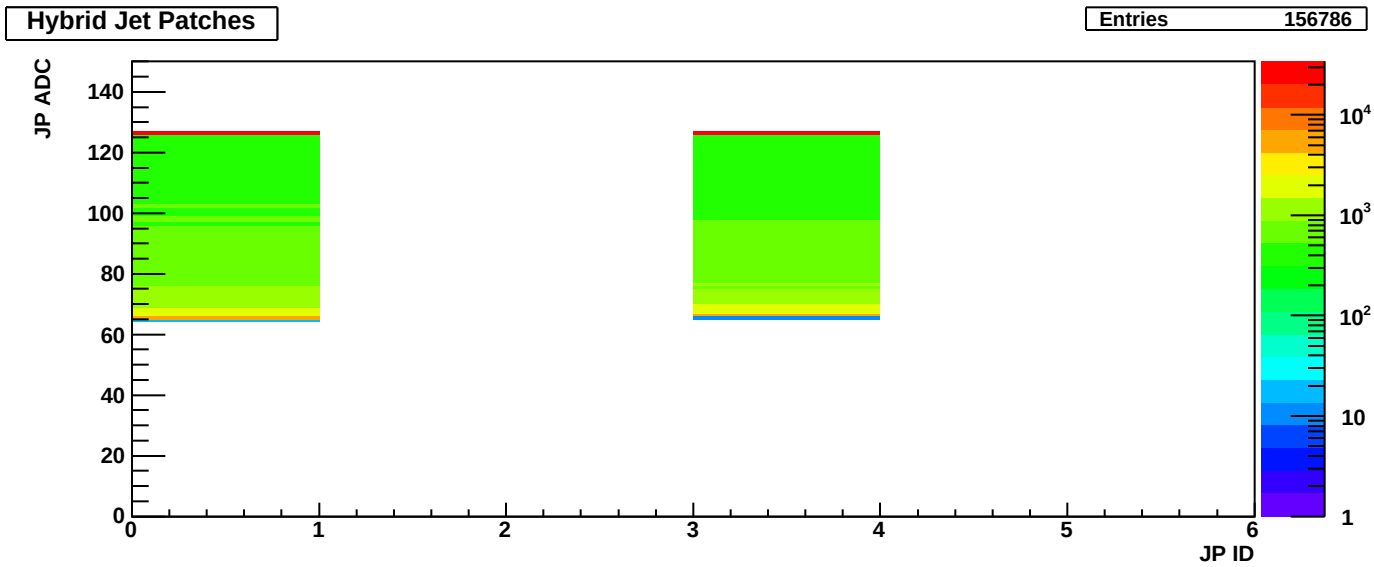

Barrel EMC L0 Input - High Tower
Entries 2.35179e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

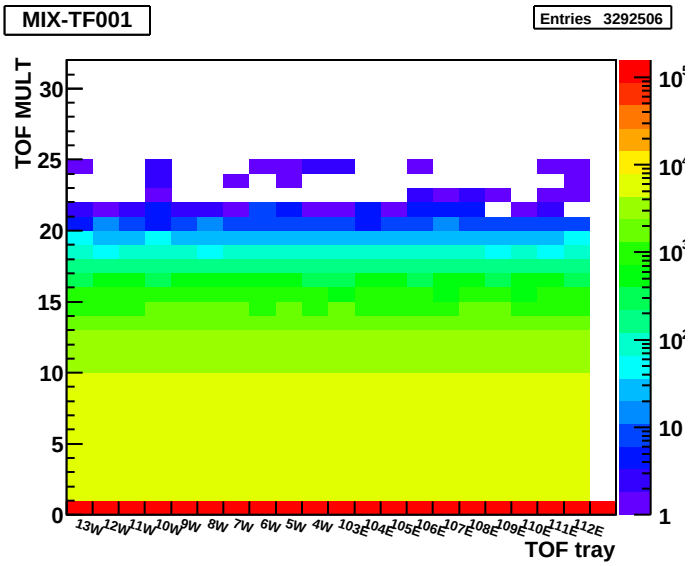

Barrel EMC L0 Input - Patch Sum
Entries 2.35179e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

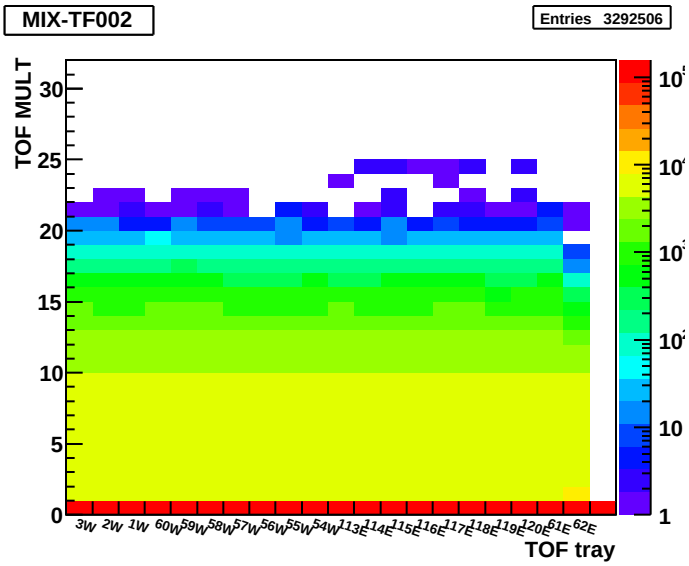

Endcap EMC L0 Input - High Tower
Entries 7055370
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

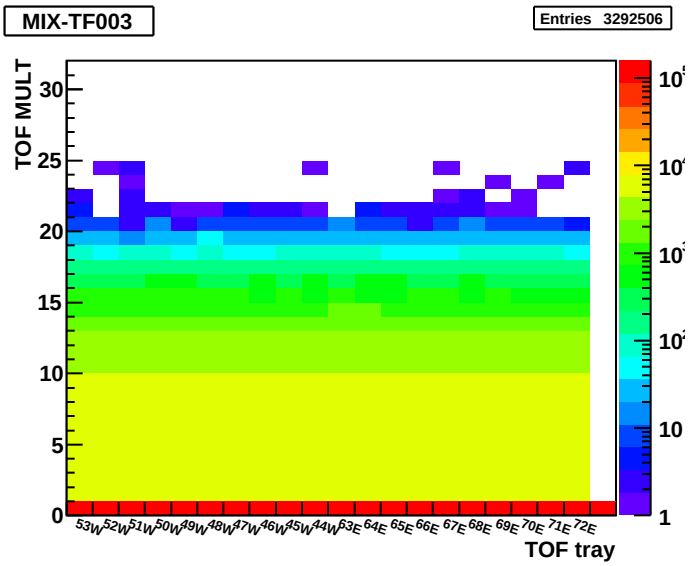

Endcap EMC L0 Input - Patch Sum
Entries 7055370
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

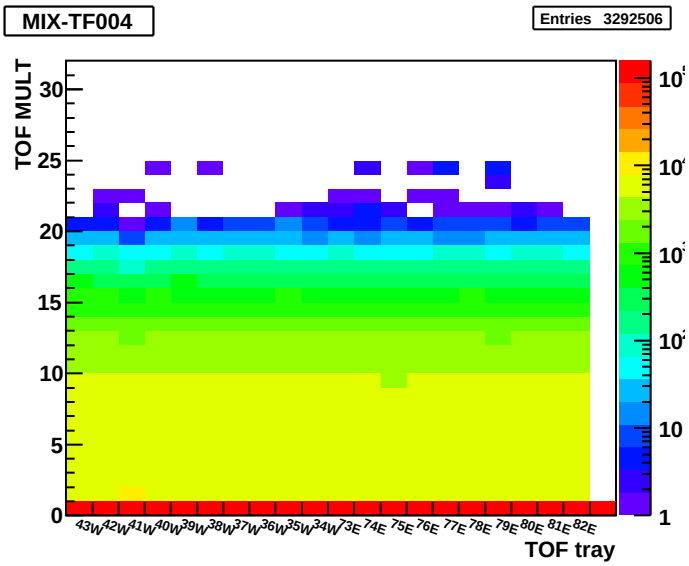

Barrel Jet Patches
Entries 1411074
JP ADC
JP ID

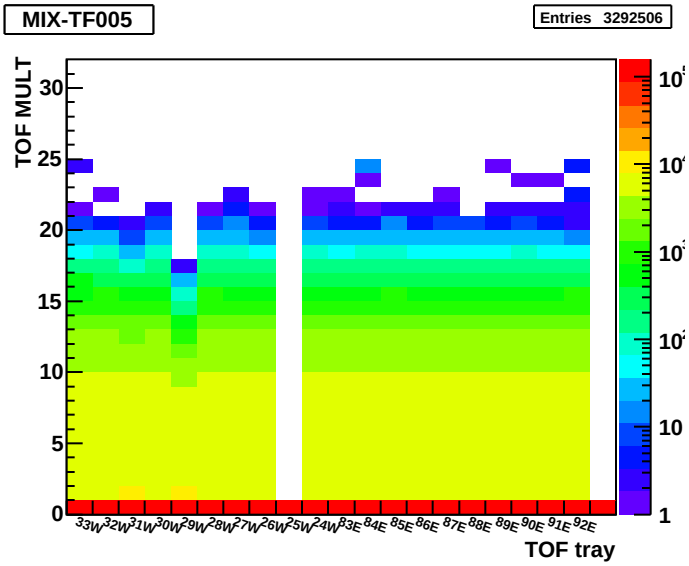

Hybrid Jet Patches
Entries 156786
JP ADC
JP ID

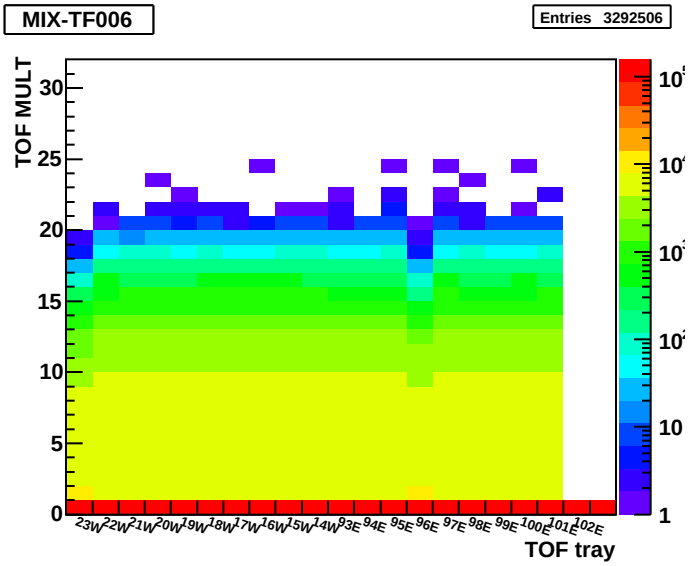

MIX-TF001
Entries 3292506
TOF MULT
TOF tray

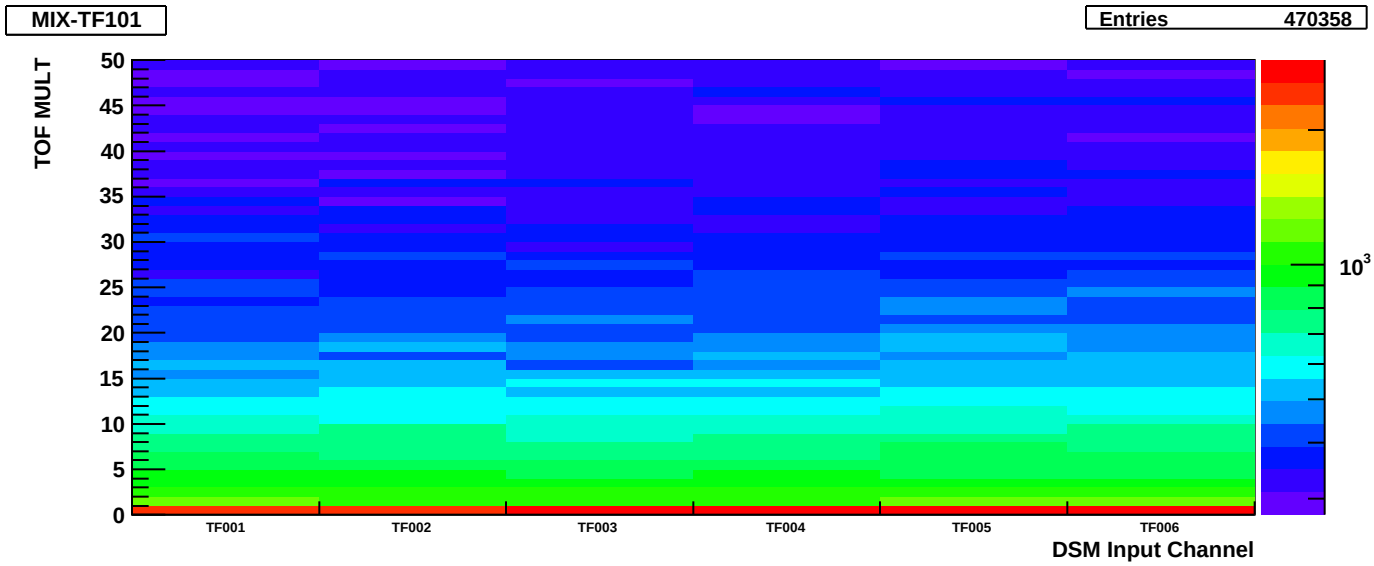

MIX-TF002
Entries 3292506
TOF MULT
TOF tray

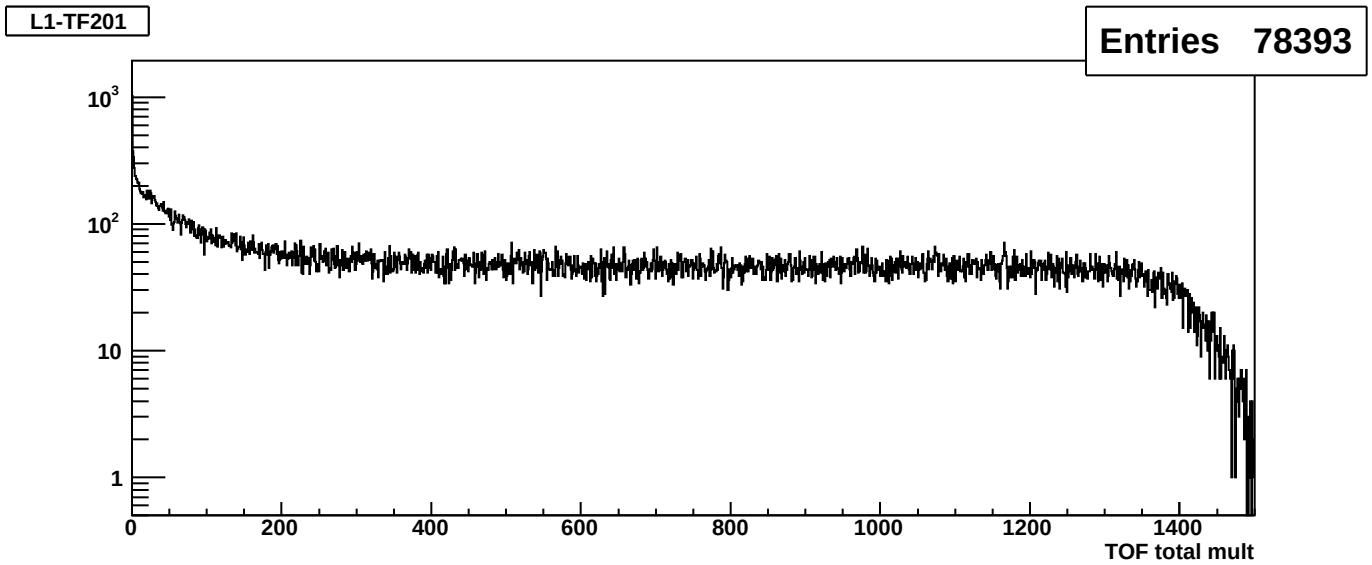

MIX-TF003
Entries 3292506
TOF MULT
TOF tray

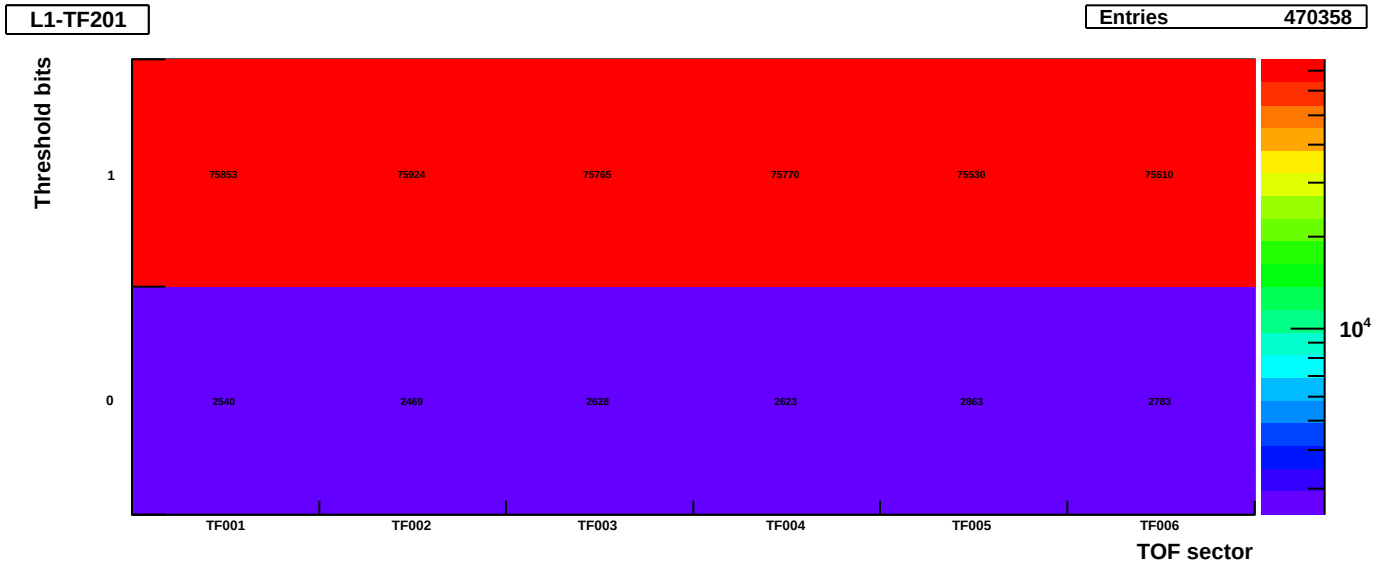

MIX-TF004
Entries 3292506
TOF MULT
TOF tray

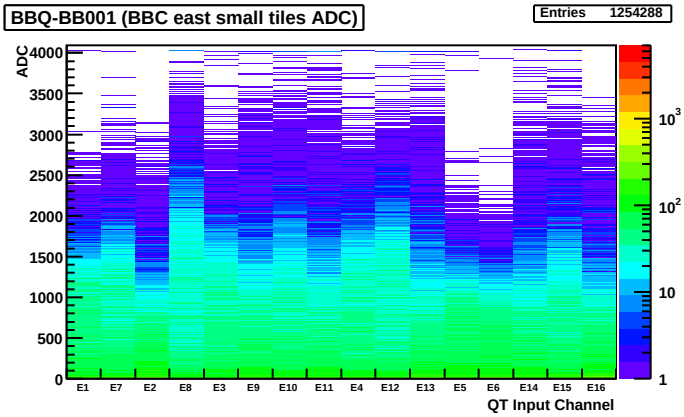

MIX-TF005
Entries 3292506
TOF MULT
TOF tray

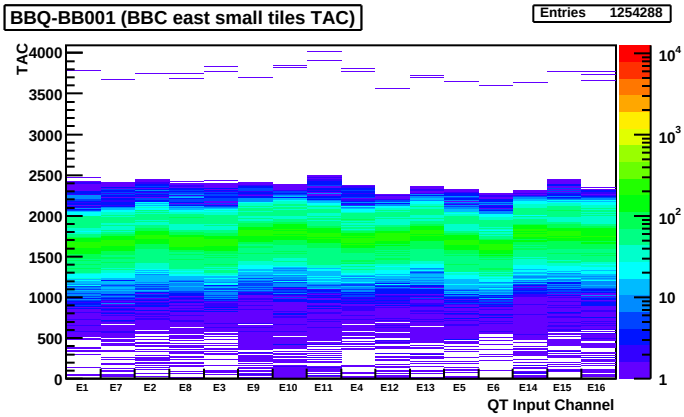

MIX-TF006
Entries 3292506
TOF MULT
TOF tray

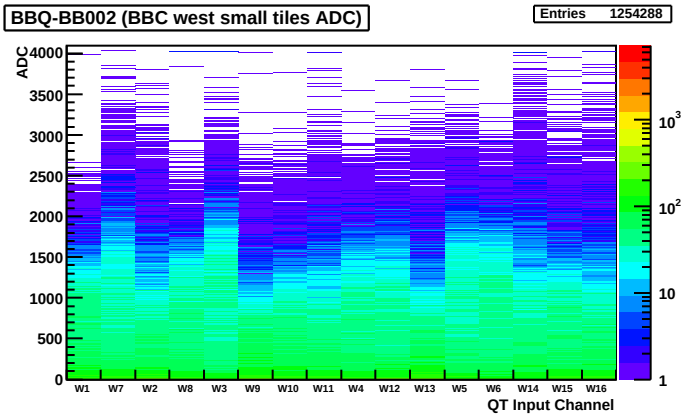

MIX-TF101
Entries 470358
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

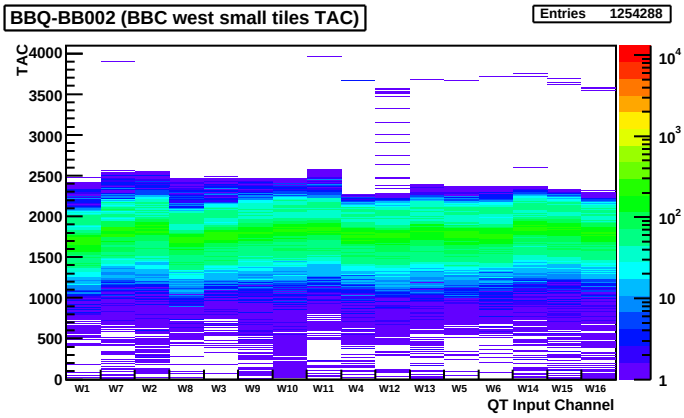

L1-TF201
Entries 78393
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

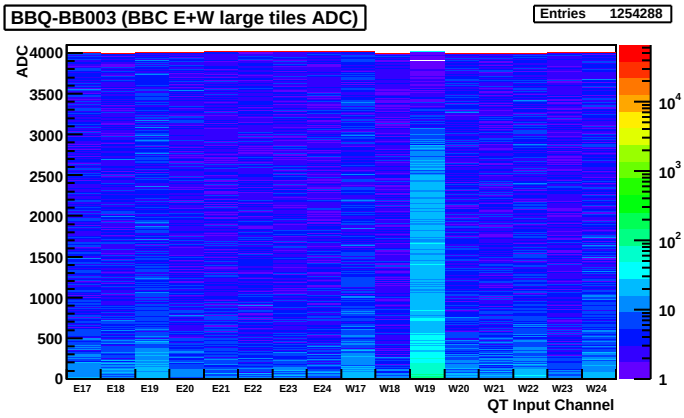

L1-TF201
Entries 470358
Threshold bits
1
0
75853
75924
75765
75770
75530
75610
2540
2469
2628
2623
2863
2783
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

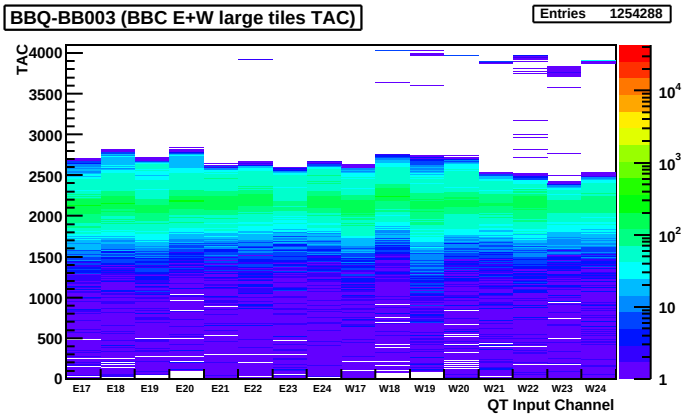

BBQ-BB001 (BBC east small tiles ADC)
Entries 1254288
ADC
QT Input Channel

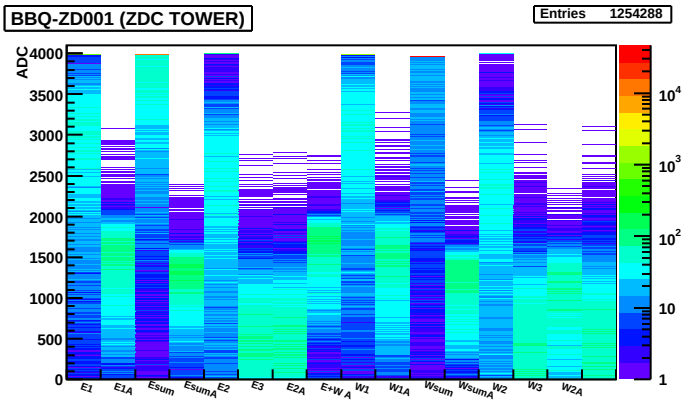

BBQ-BB001 (BBC east small tiles TAC)
Entries 1254288
TAC
QT Input Channel

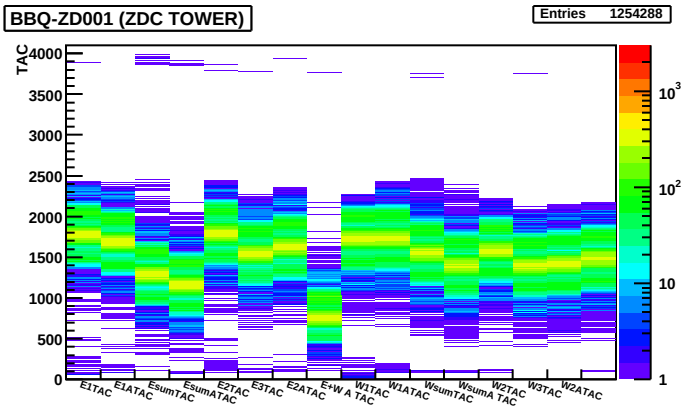

BBQ-BB002 (BBC west small tiles ADC)
Entries 1254288
ADC
QT Input Channel

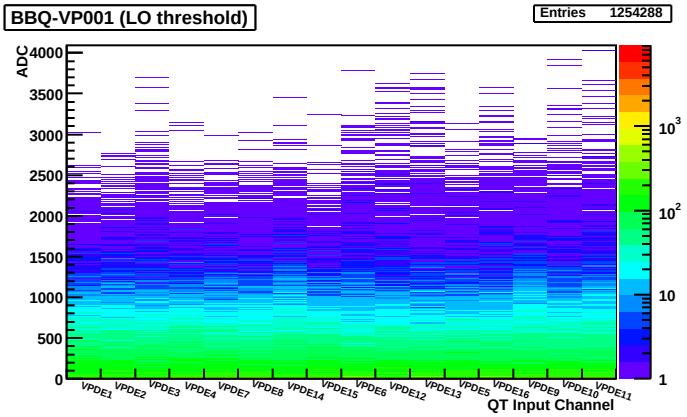

BBQ-BB002 (BBC west small tiles TAC)
Entries 1254288
TAC
QT Input Channel

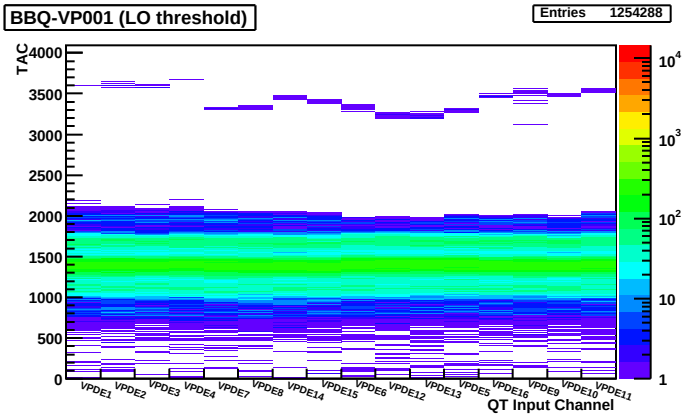

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1254288
ADC
QT Input Channel

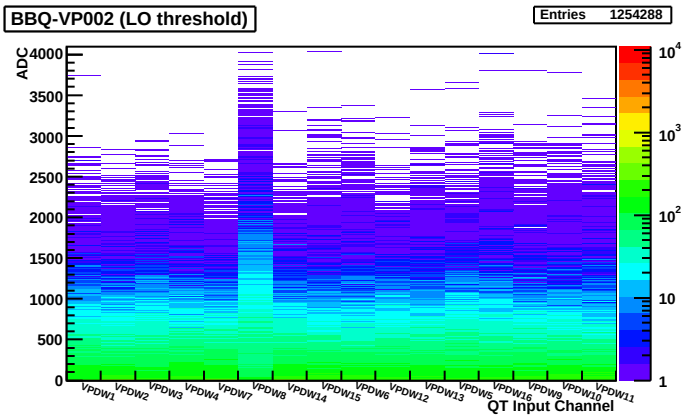

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1254288
TAC
QT Input Channel

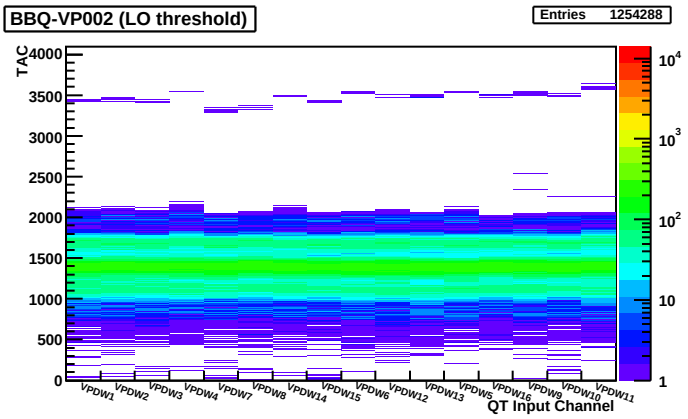

BBQ-ZD001 (ZDC TOWER)
Entries 1254288
ADC

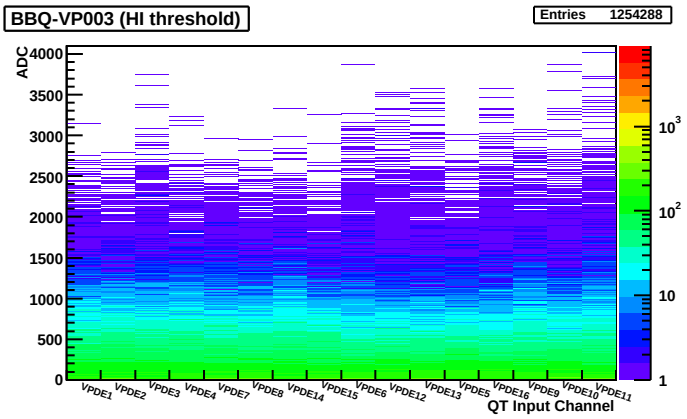

BBQ-ZD001 (ZDC TOWER)
Entries 1254288
TAC

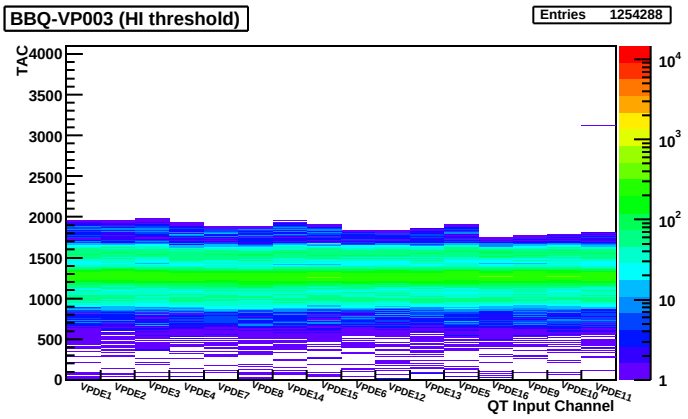

BBQ-VP001 (LO threshold)
Entries 1254288
ADC
QT Input Channel

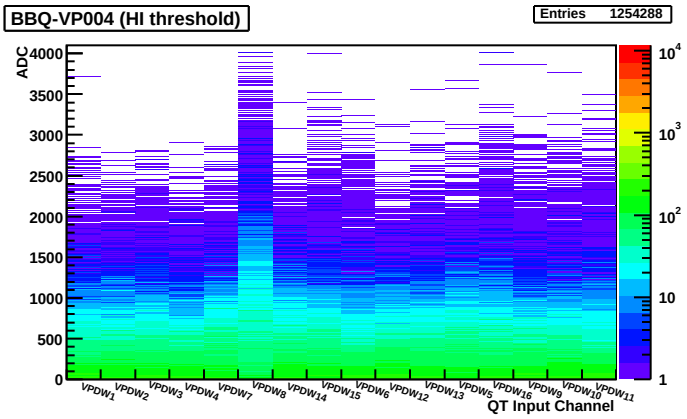

BBQ-VP001 (LO threshold)
Entries 1254288
TAC
QT Input Channel

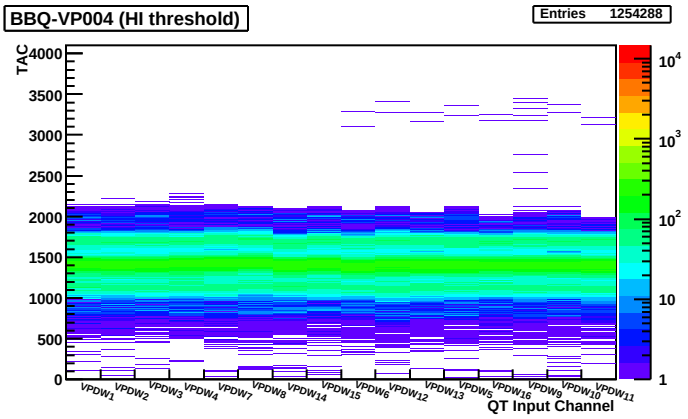

BBQ-VP002 (LO threshold)
Entries 1254288
ADC
QT Input Channel

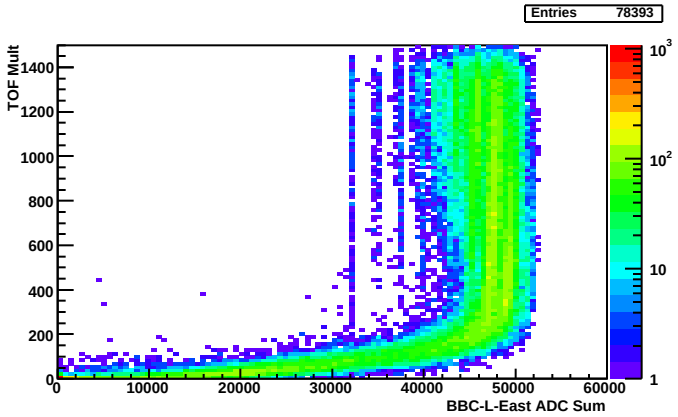

BBQ-VP002 (LO threshold)
Entries 1254288
TAC
QT Input Channel

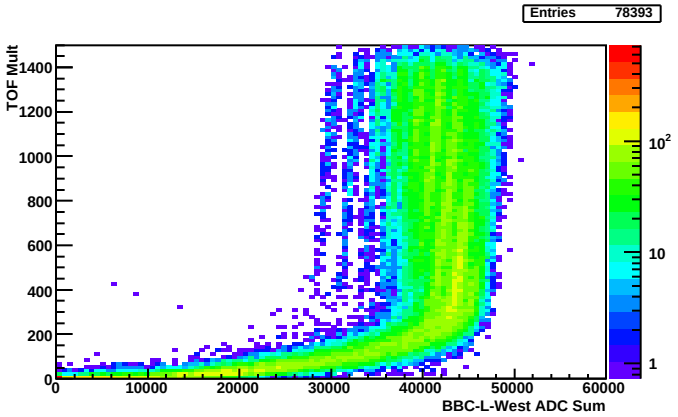

BBQ-VP003 (HI threshold)
Entries 1254288
ADC
QT Input Channel

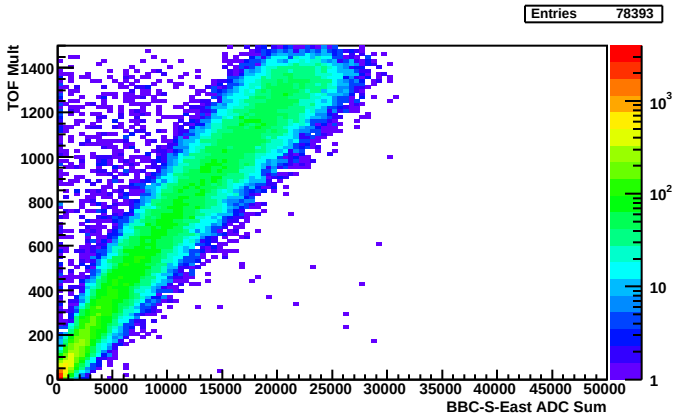

BBQ-VP003 (HI threshold)
Entries 1254288
TAC
QT Input Channel

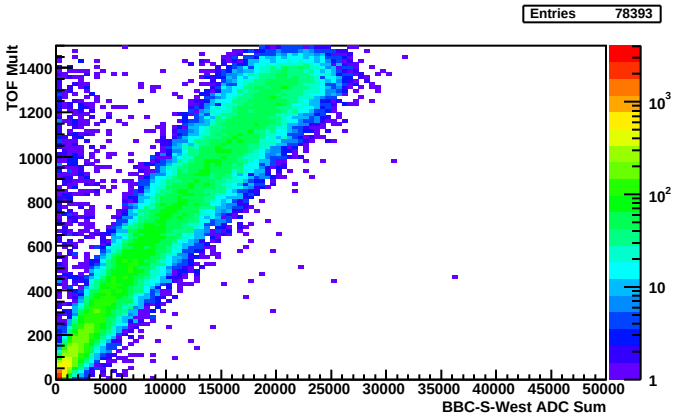

BBQ-VP004 (HI threshold)
Entries 1254288
ADC
QT Input Channel

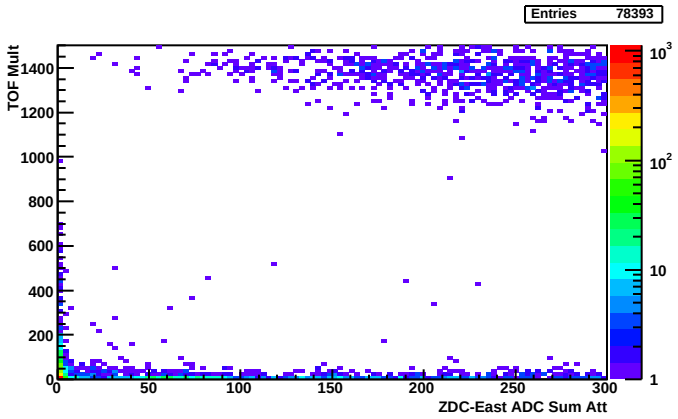

BBQ-VP004 (HI threshold)
Entries 1254288
TAC
QT Input Channel

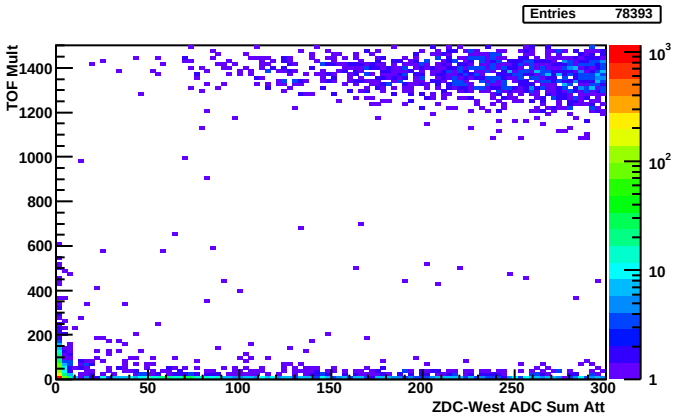

Entries 78393
TOF Mult
BBC-L-East ADC Sum

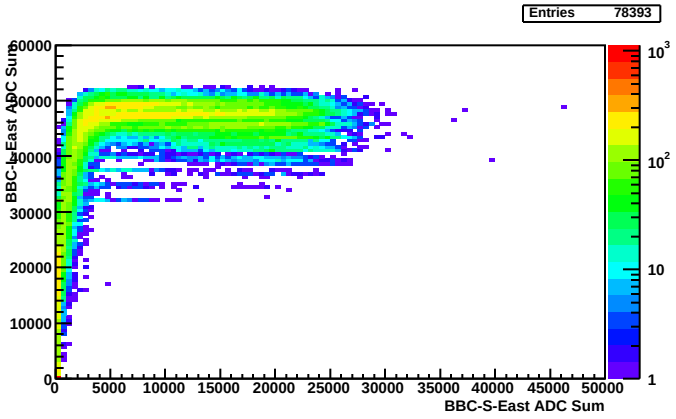

Entries 78393
TOF Mult
BBC-L-West ADC Sum

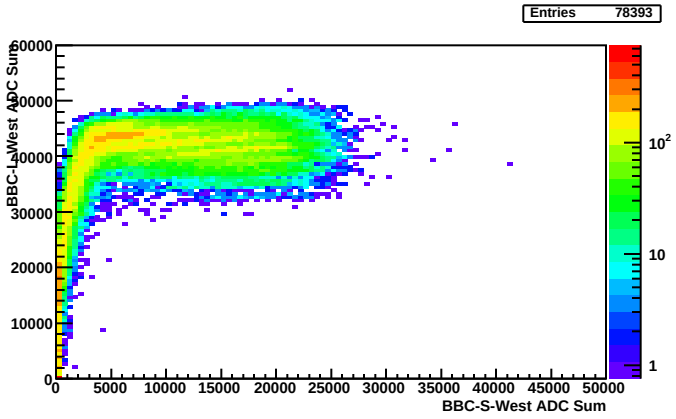

Entries 78393
TOF Mult
BBC-S-East ADC Sum

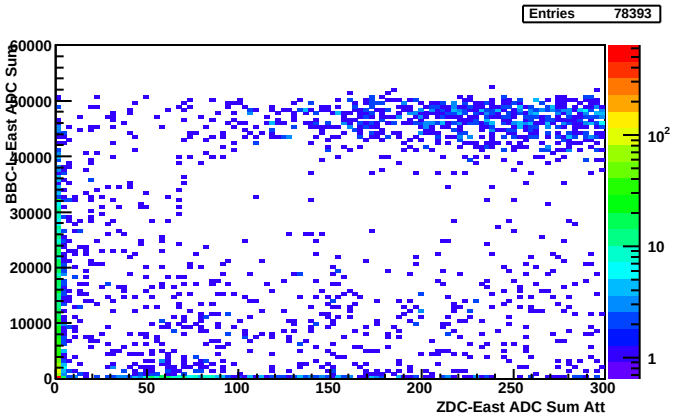

Entries 78393
TOF Mult
BBC-S-West ADC Sum

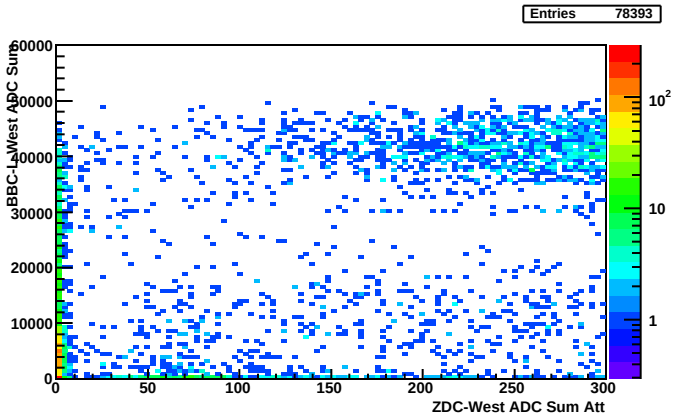

Entries 78393
TOF Mult
ZDC-East ADC Sum Att

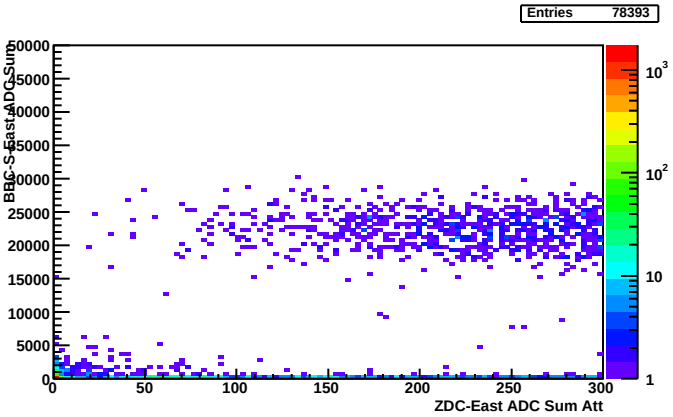

Entries 78393
TOF Mult
ZDC-West ADC Sum Att

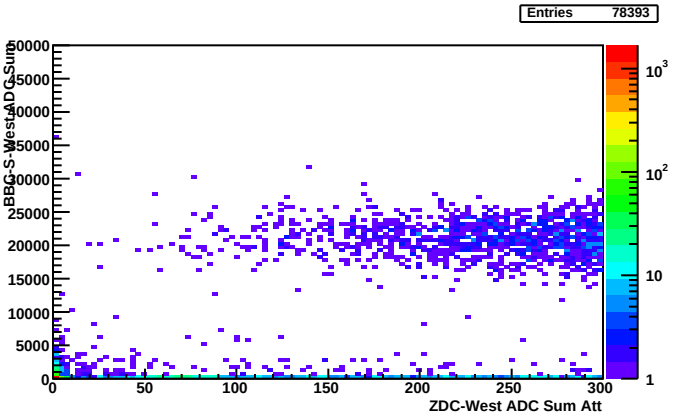

Entries 78393
BBC-L-East ADC Sum
BBC-S-East ADC Sum

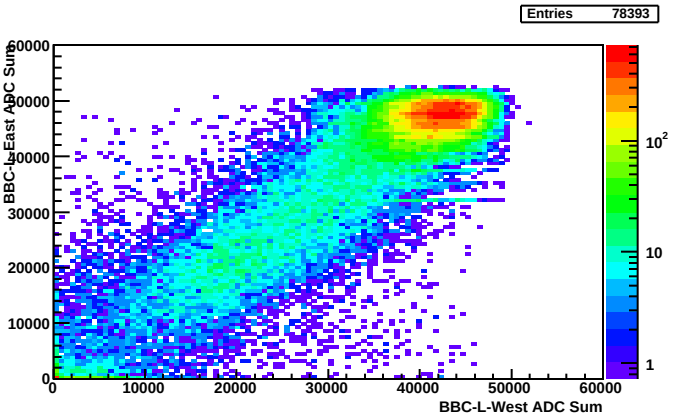

Entries 78393
BBC-L-West ADC Sum
BBC-S-West ADC Sum

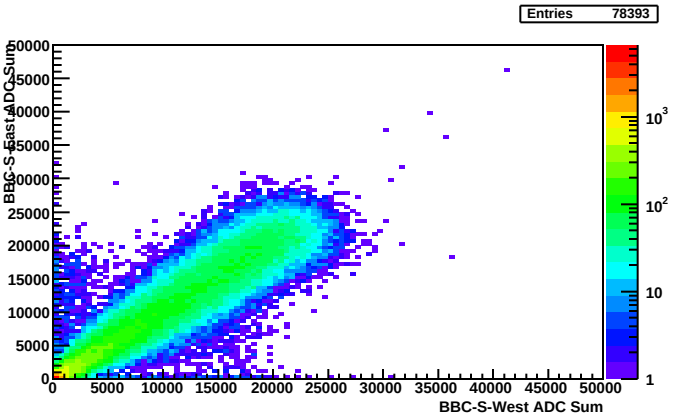

Entries 78393
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

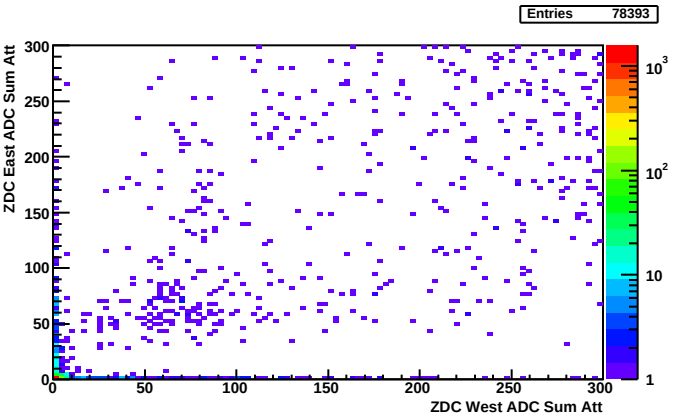

Entries 78393
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

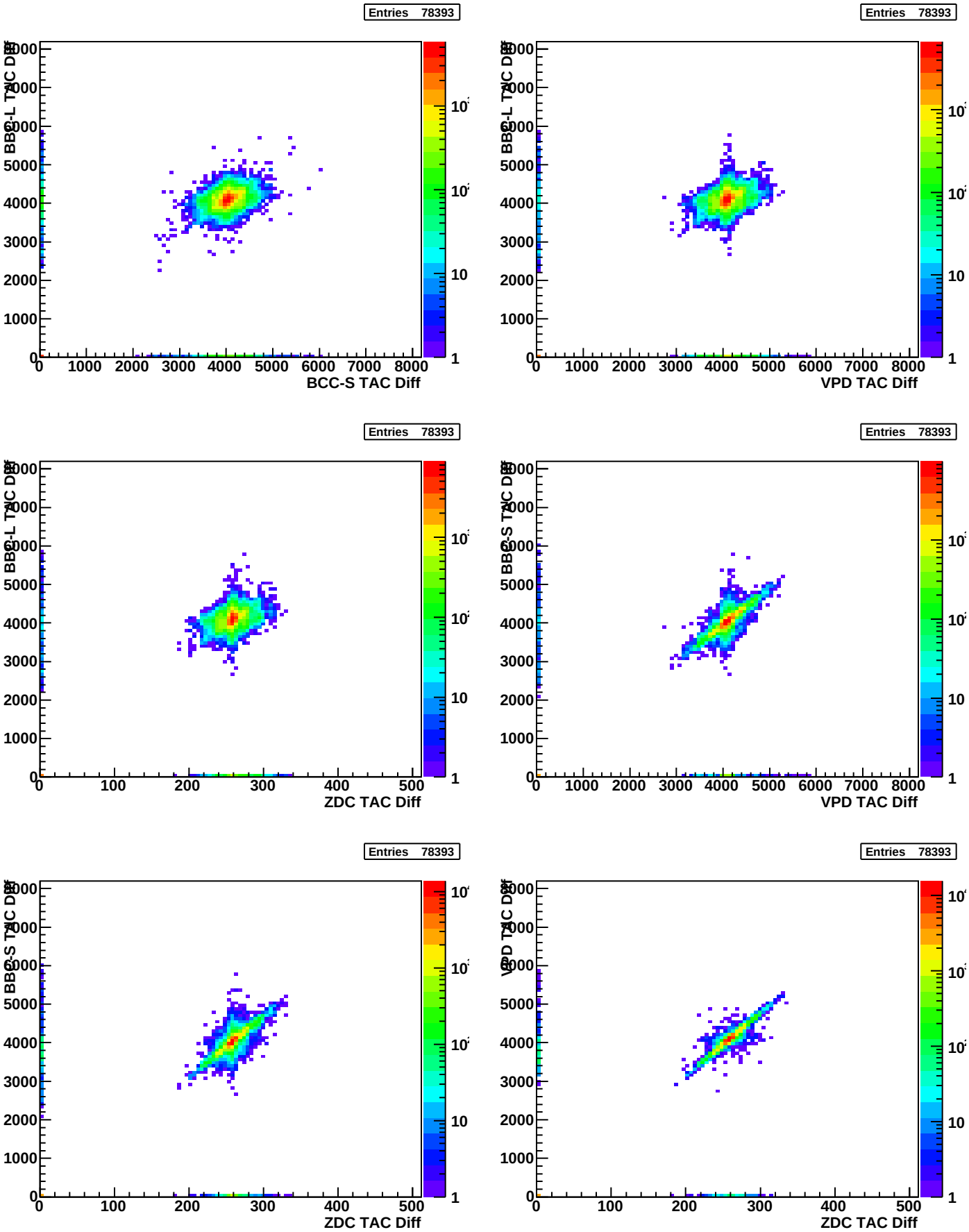

Entries 78393
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

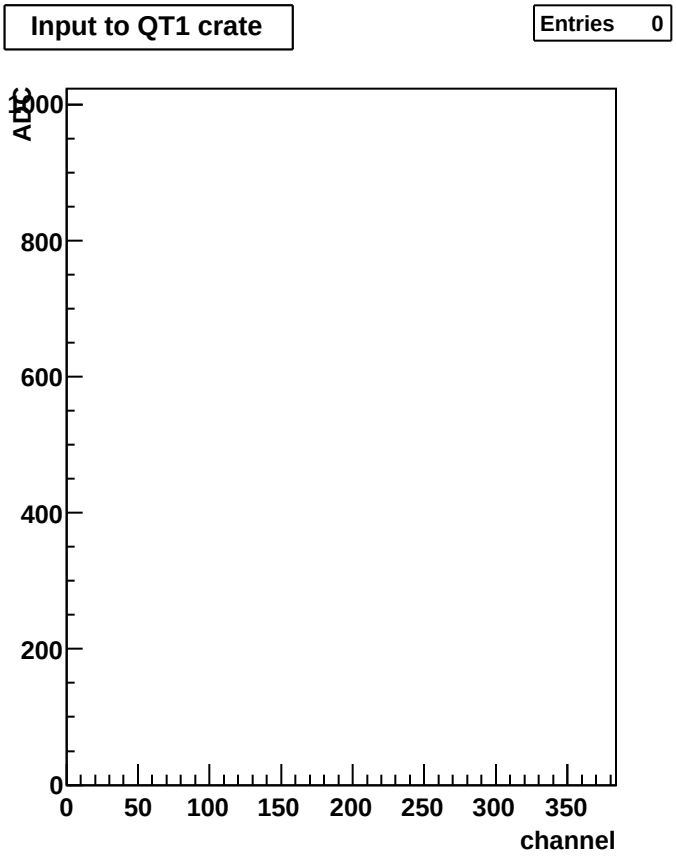

Entries 78393
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

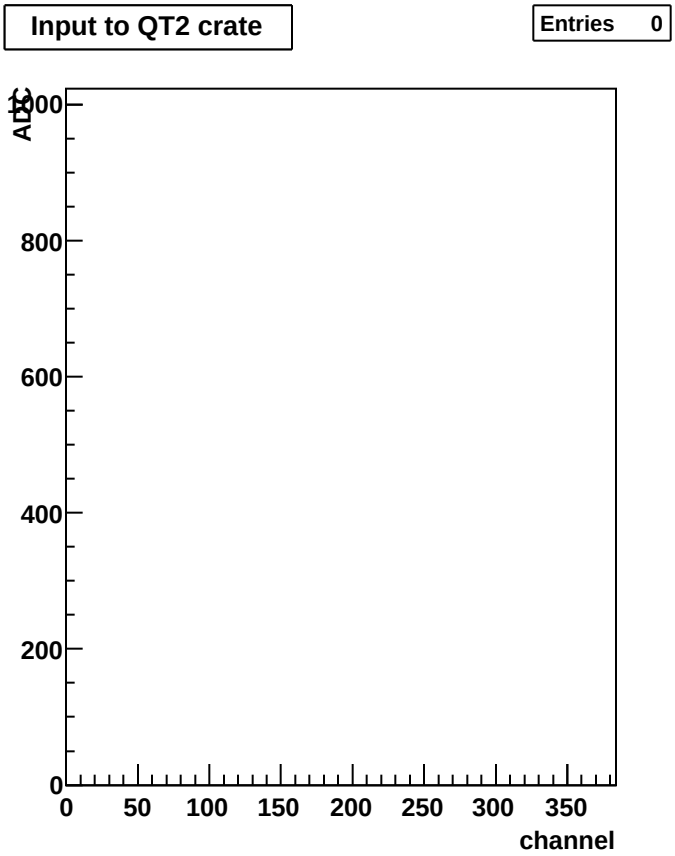

Entries 78393
BBC-L-East ADC Sum
BBC-L-West ADC Sum

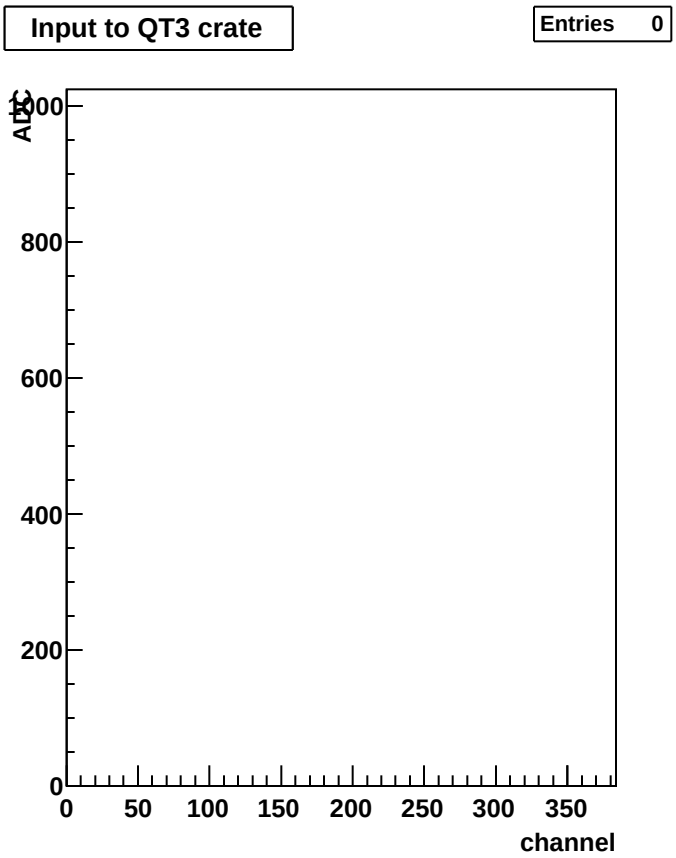

Entries 78393
BBC-S-East ADC Sum
BBC-S-West ADC Sum

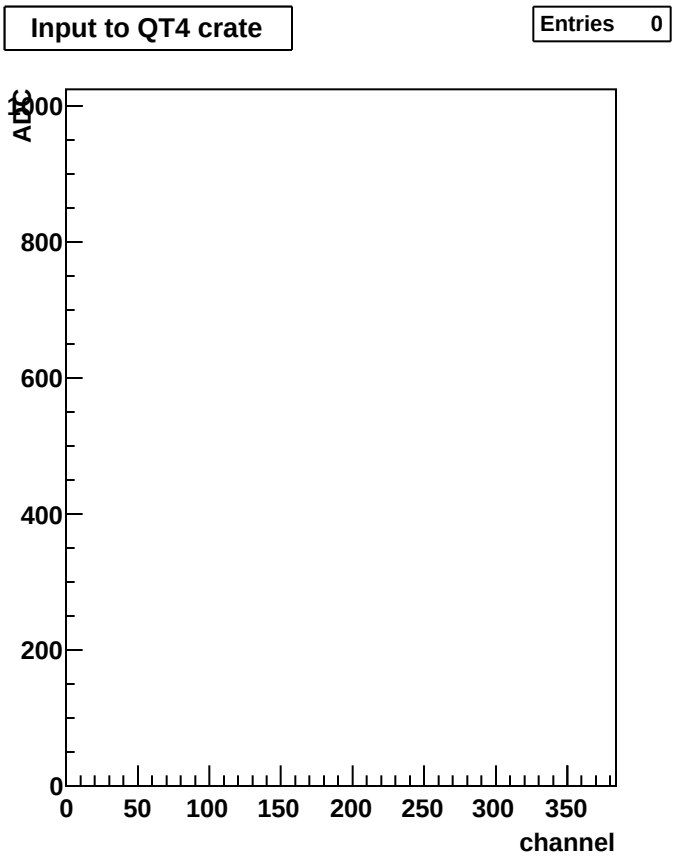

Entries 78393
ZDC East ADC Sum Att
ZDC West ADC Sum Att

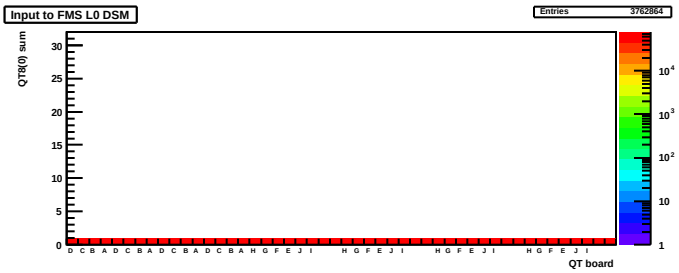

Entries 78393
BBC-L TAC Diff
BCC-S TAC Diff
Entries 78393
BBC-L TAC Diff
VPD TAC Diff
Entries 78393
BBC-L TAC Diff
ZDC TAC Diff
Entries 78393
BBC-S TAC Diff
VPD TAC Diff
Entries 78393
BBC-S TAC Diff
ZDC TAC Diff
Entries 78393
VPD TAC Diff
ZDC TAC Diff

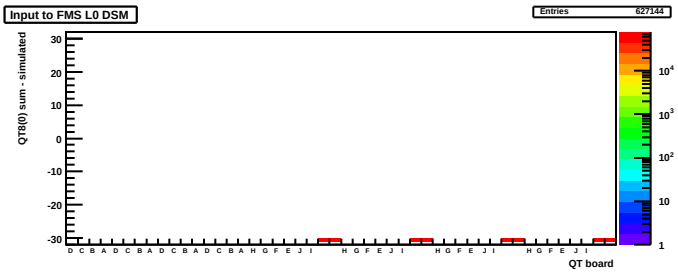

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

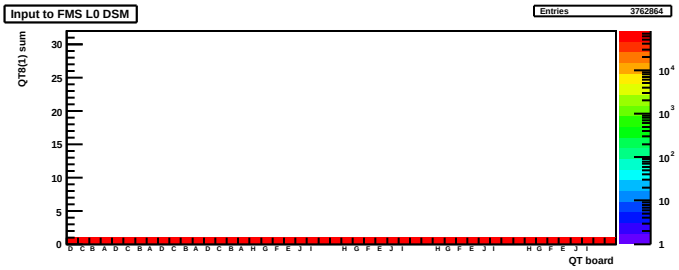

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

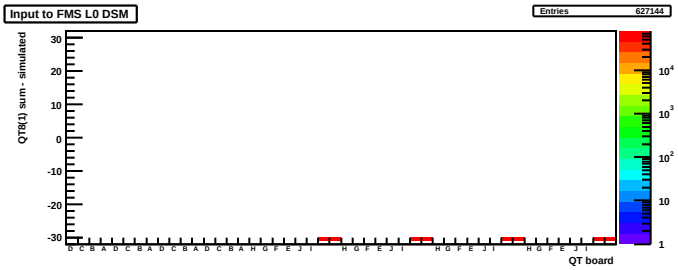

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

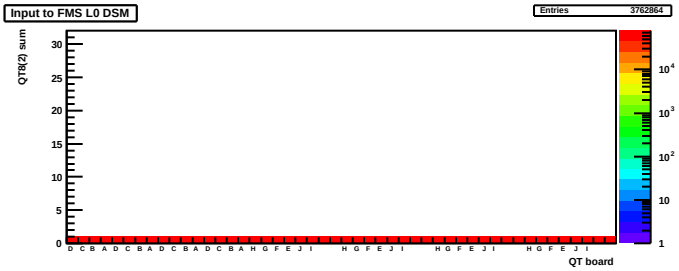

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

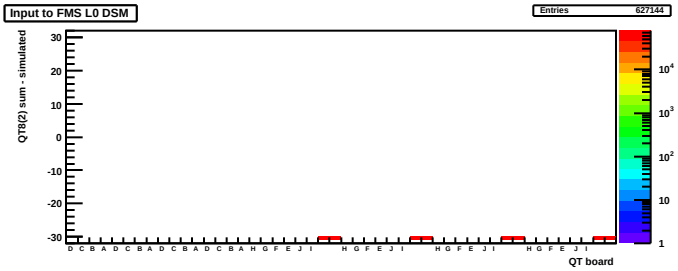

Input to FMS L0 DSM
Entries 3762864
QT8(0) sum
QT board

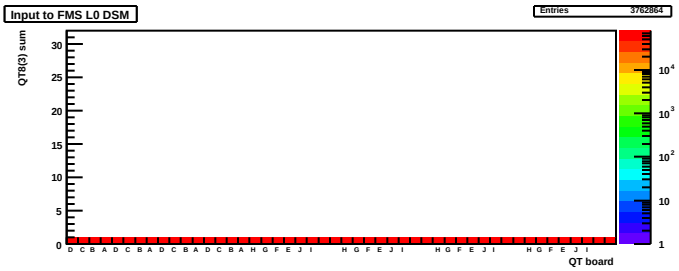

Input to FMS L0 DSM
Entries 627144
QT8(0) sum - simulated
QT board

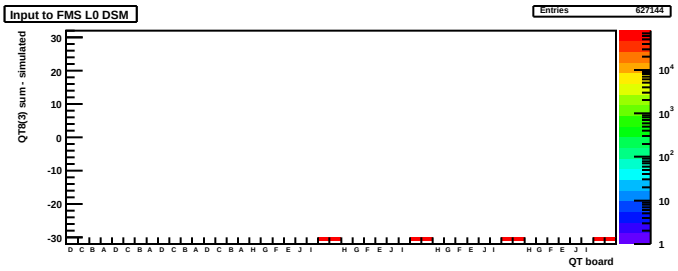

Input to FMS L0 DSM
Entries 3762864
QT8(1) sum
QT board

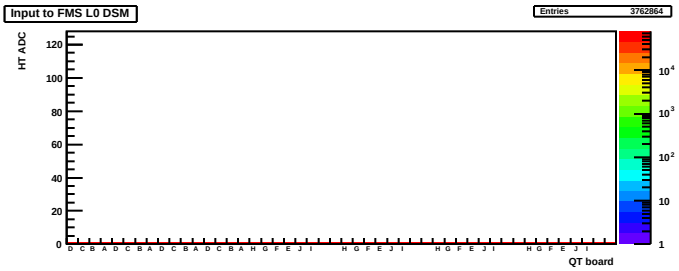

Input to FMS L0 DSM
Entries 627144
QT8(1) sum - simulated
QT board

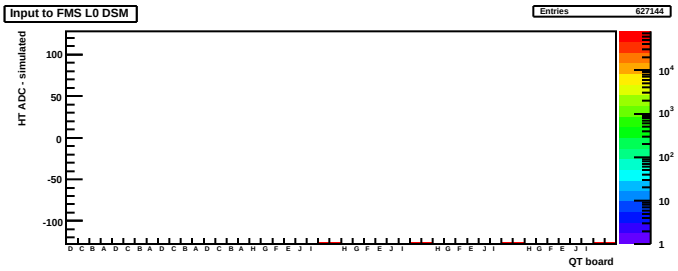

Input to FMS L0 DSM
Entries 3762864
QT8(2) sum
QT board

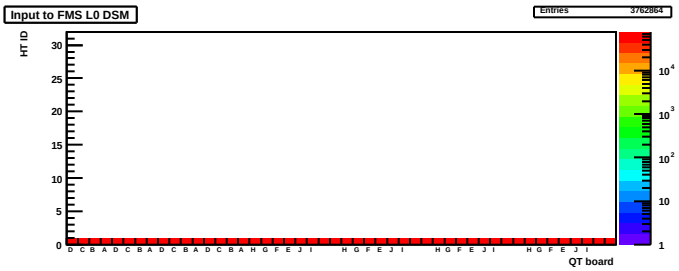

Input to FMS L0 DSM
Entries 627144
QT8(2) sum - simulated
QT board

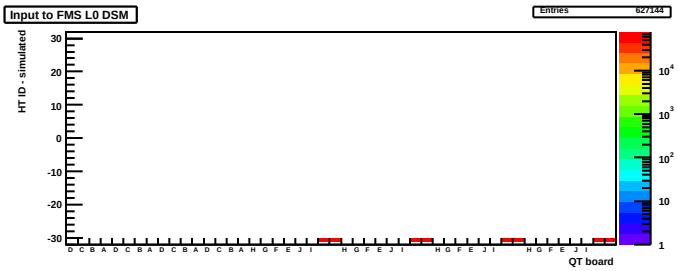

Input to FMS L0 DSM
Entries 3762864
QT8(3) sum
QT board

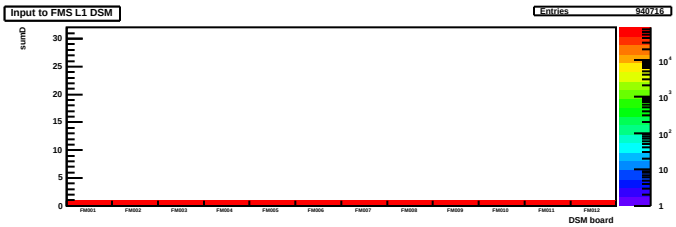

Input to FMS L0 DSM
Entries 627144
QT8(3) sum - simulated
QT board

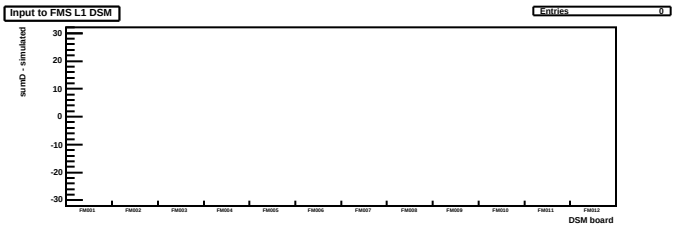

Input to FMS L0 DSM
Entries 3762864
HT ADC
QT board

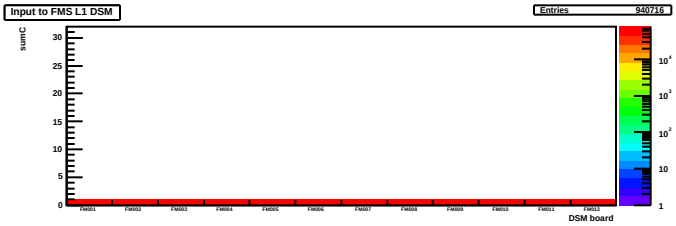

Input to FMS L0 DSM
Entries 627144
HT ADC - simulated
QT board

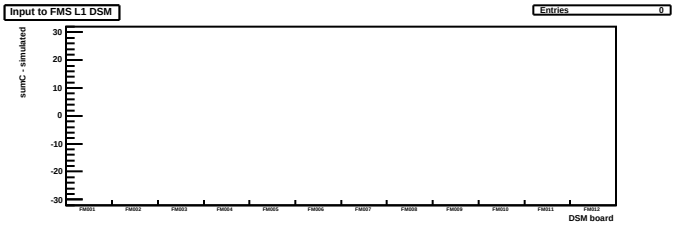

Input to FMS L0 DSM
Entries 3762864
HT ID
QT board

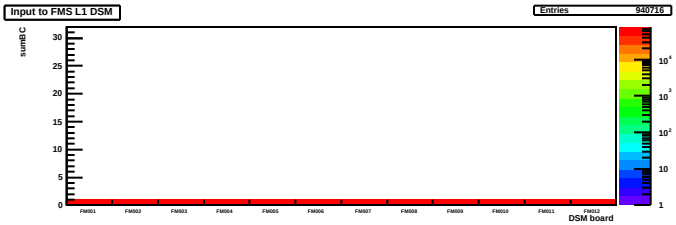

Input to FMS L0 DSM
Entries 627144
HT ID - simulated
QT board

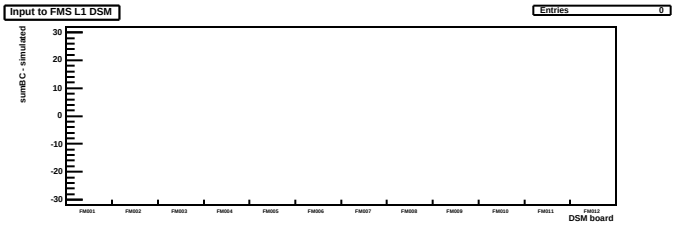

Input to FMS L1 DSM
Entries 940716
sumD
DSM board

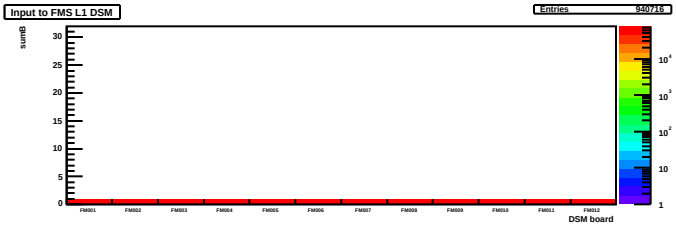

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

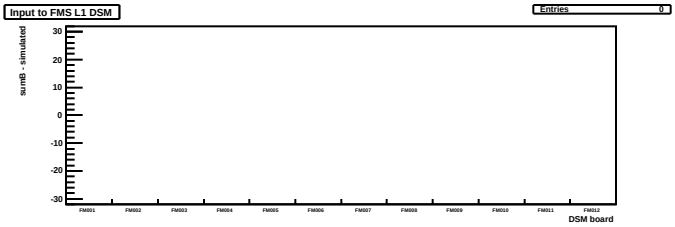

Input to FMS L1 DSM
Entries 940716
sumC
DSM board

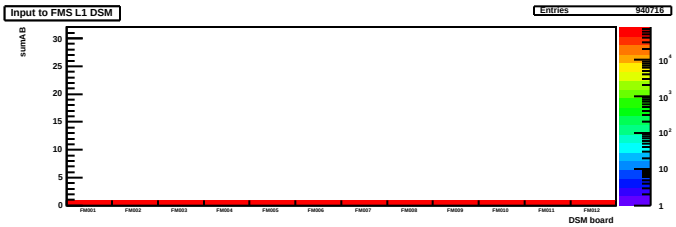

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

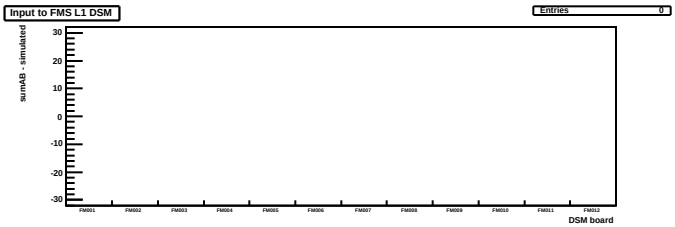

Input to FMS L1 DSM
Entries 940716
sumBC
DSM board

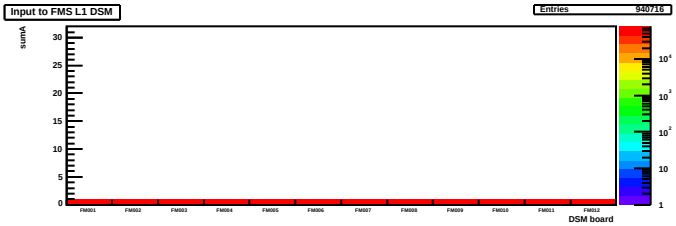

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

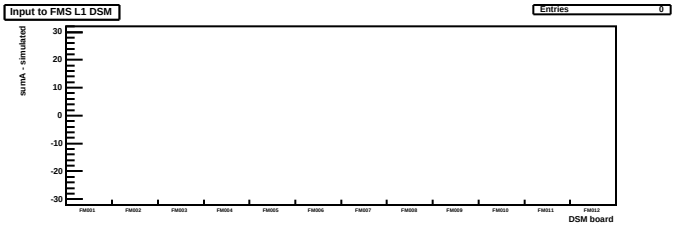

Input to FMS L1 DSM
Entries 940716
sumB
DSM board

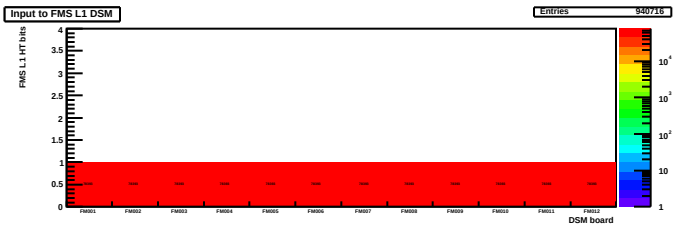

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

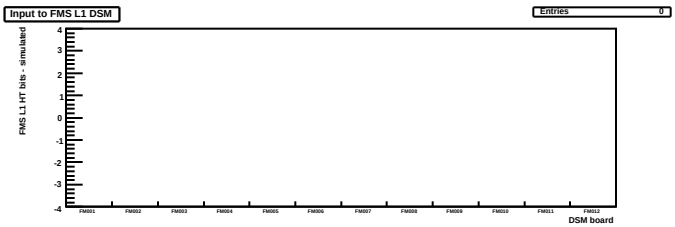

Input to FMS L1 DSM
Entries 940716
sumAB
DSM board

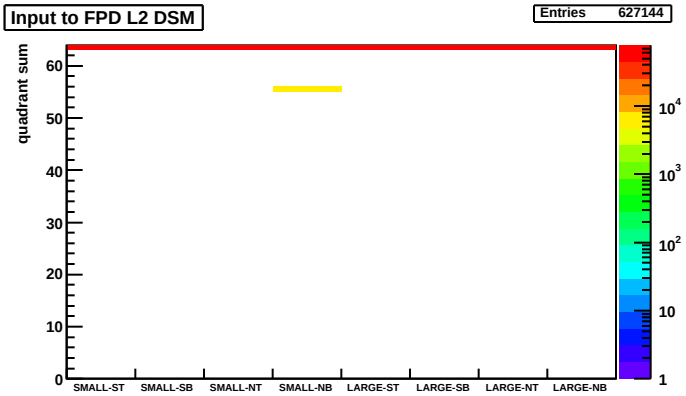

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

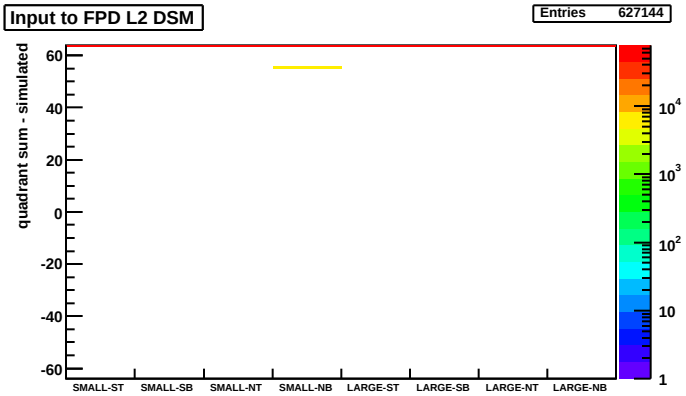

Input to FMS L1 DSM
Entries 940716
sumA
DSM board

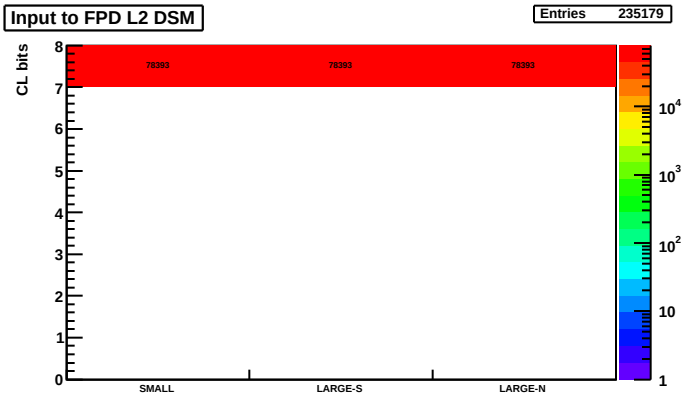

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

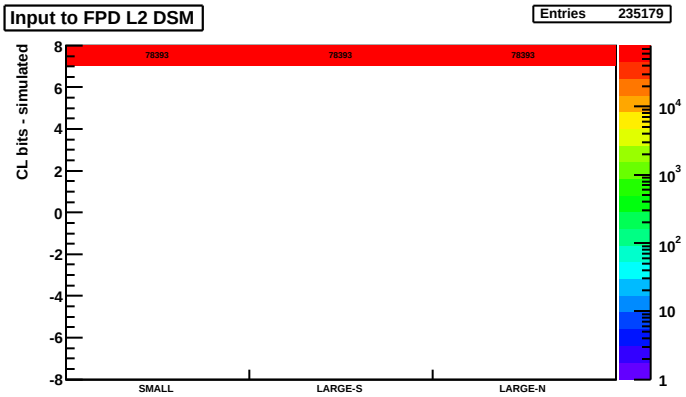

Input to FMS L1 DSM
Entries 940716
FMS L1 HT bits
DSM board

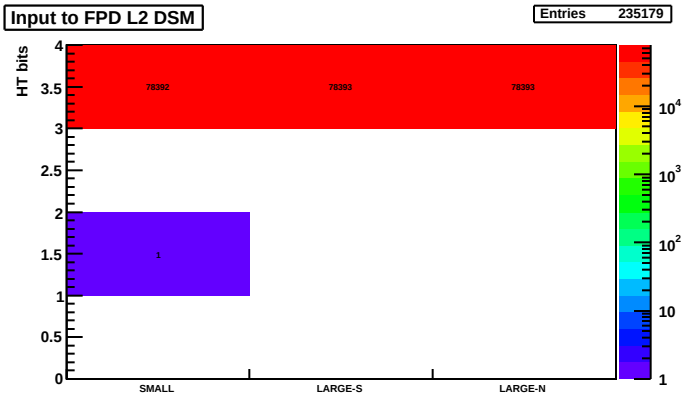

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

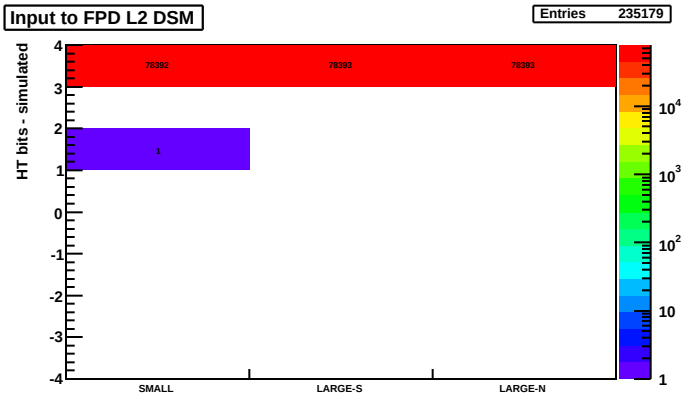

Input to FPD L2 DSM
Entries 627144
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

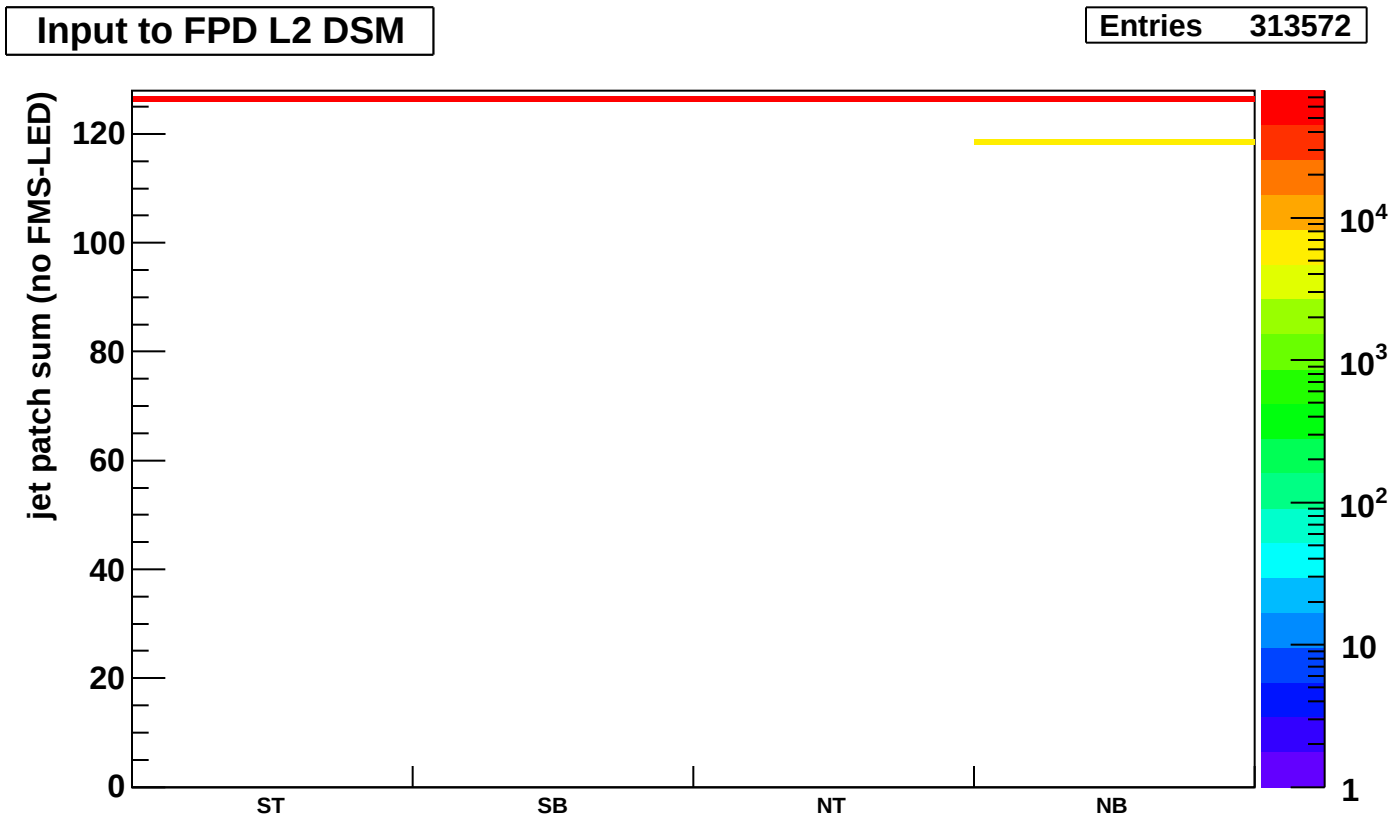

Input to FPD L2 DSM
Entries 627144
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

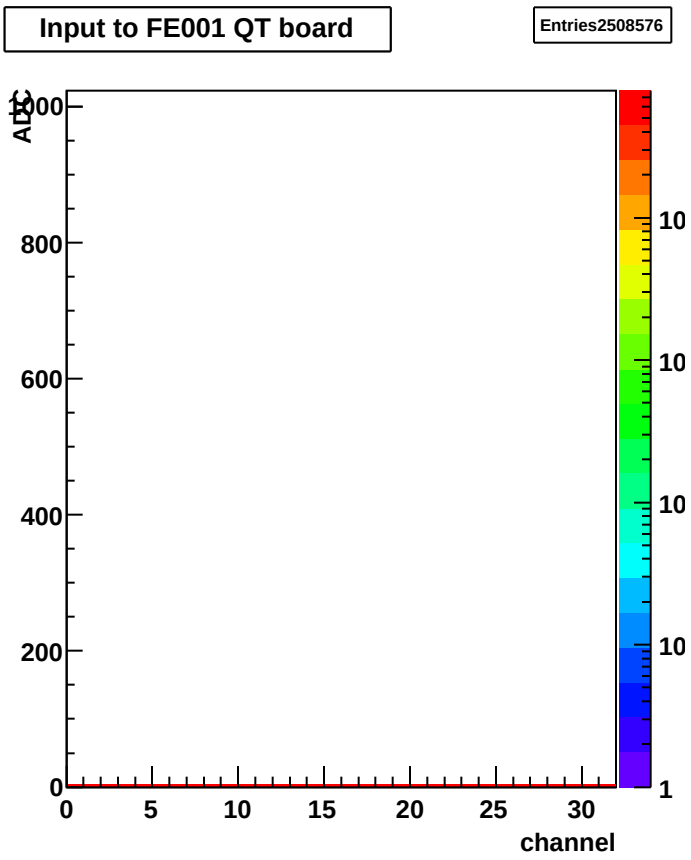

Input to FPD L2 DSM
Entries 235179
CL bits
78393
78393
78393
SMALL
LARGE-S
LARGE-N

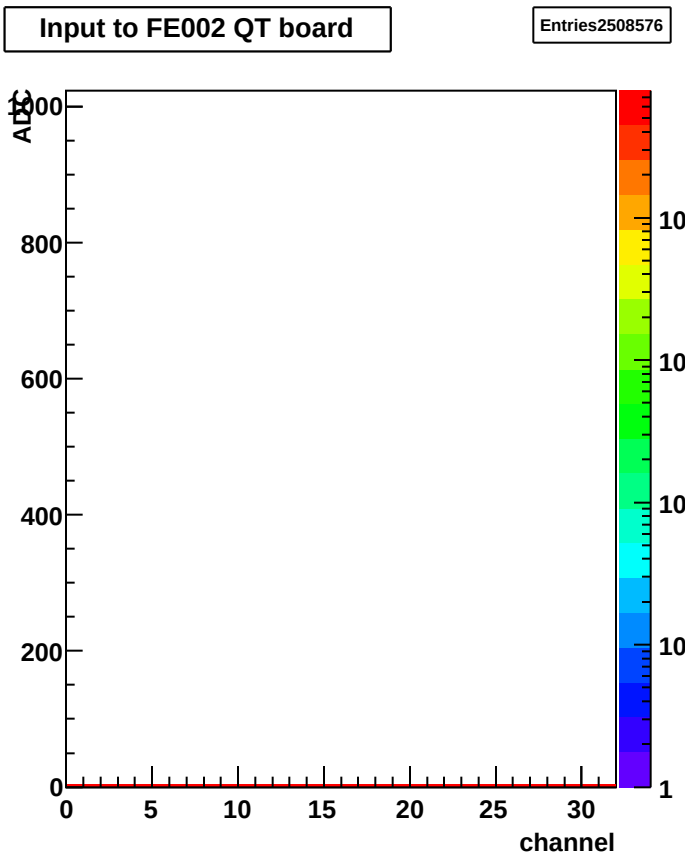

Input to FPD L2 DSM
Entries 235179
CL bits - simulated
78393
78393
78393
SMALL
LARGE-S
LARGE-N

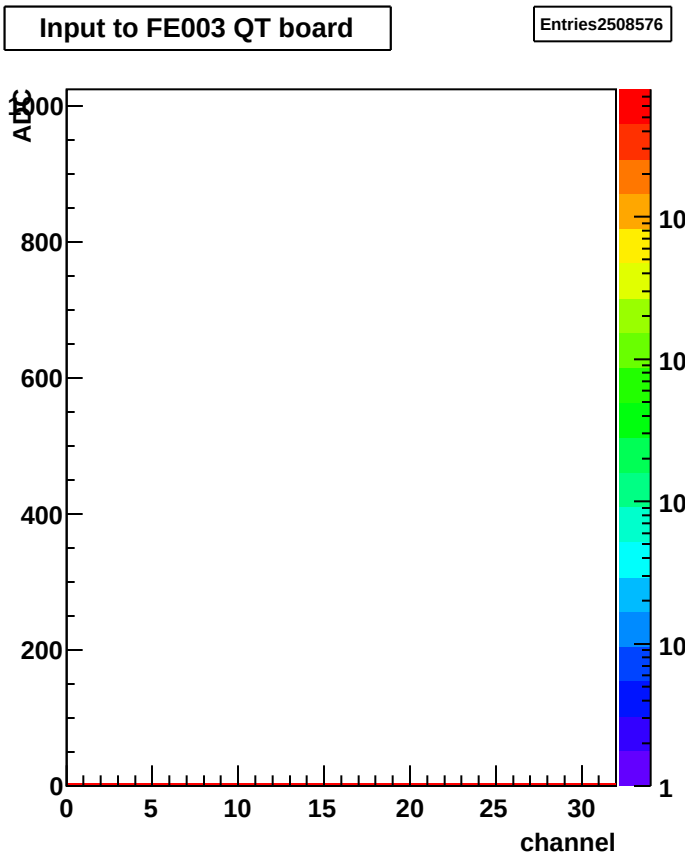

Input to FPD L2 DSM
Entries 235179
HT bits
78392
78393
78393
1
SMALL
LARGE-S
LARGE-N

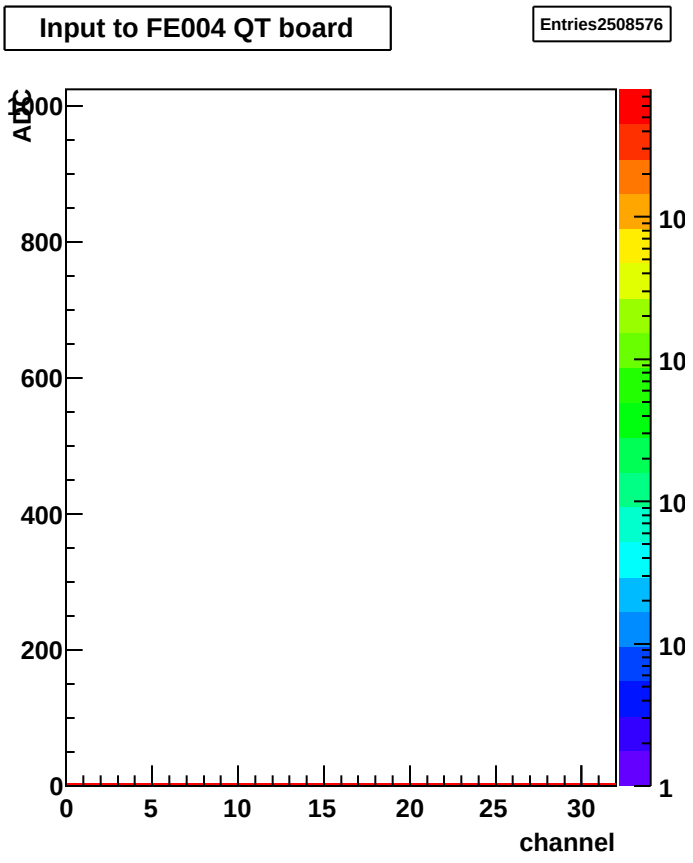

Input to FPD L2 DSM
Entries 235179
HT bits - simulated
78392
78393
78393
1
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 313572
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

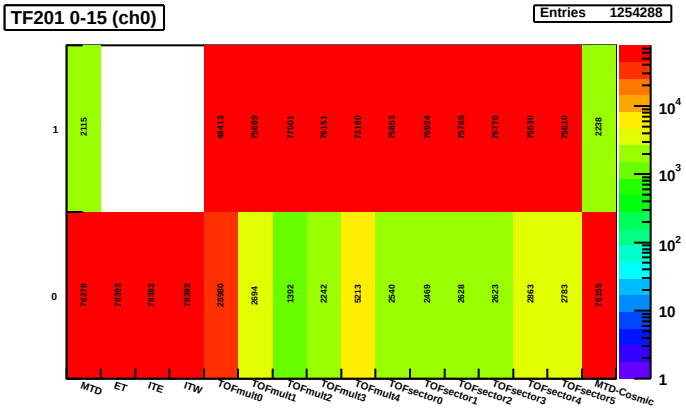

Input to FE001 QT board
Entries2508576
ADC
channel


Input to FE002 QT board
Entries2508576
ADC
channel

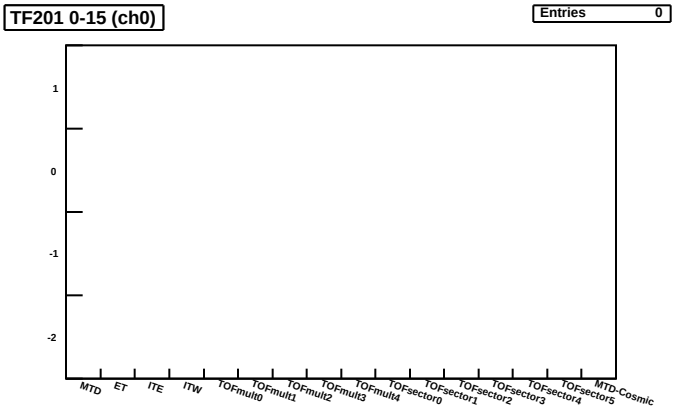

Input to FE003 QT board
Entries2508576
ADC
channel


Input to FE004 QT board
Entries2508576
ADC
channel

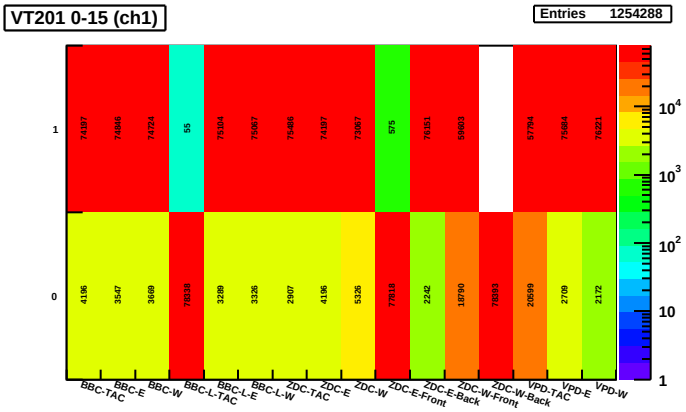
TF201 0-15 (ch0)



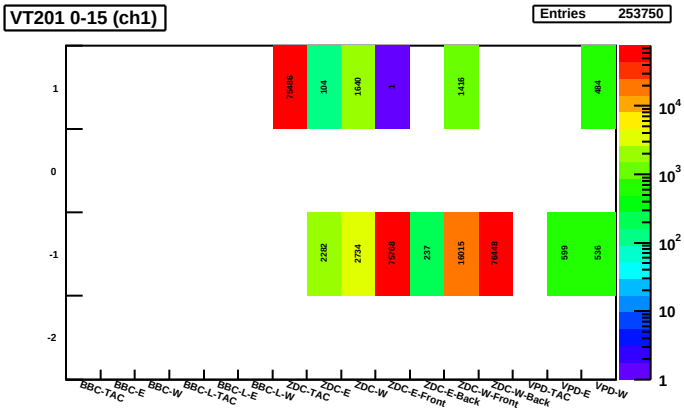
TF201 0-15 (ch0)



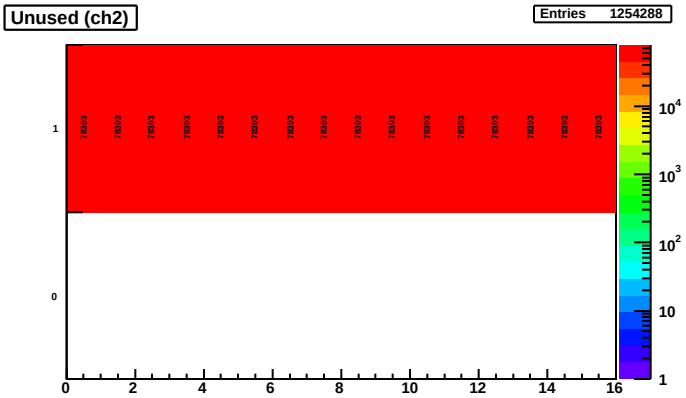
VT201 0-15 (ch1)

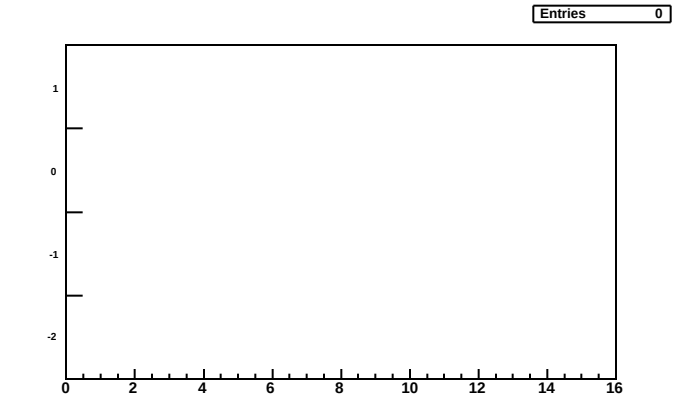


VT201 0-15 (ch1)

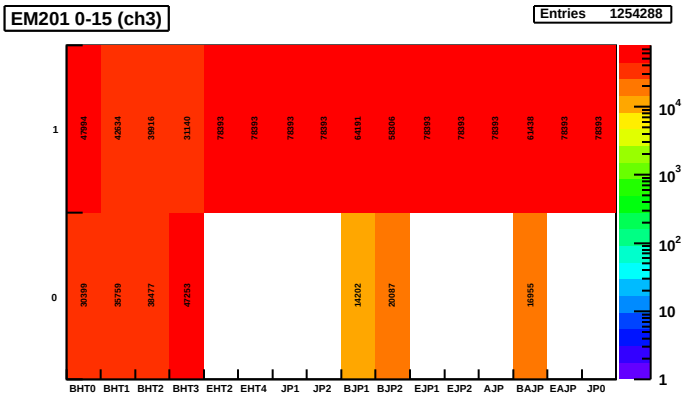


Unused (ch2)

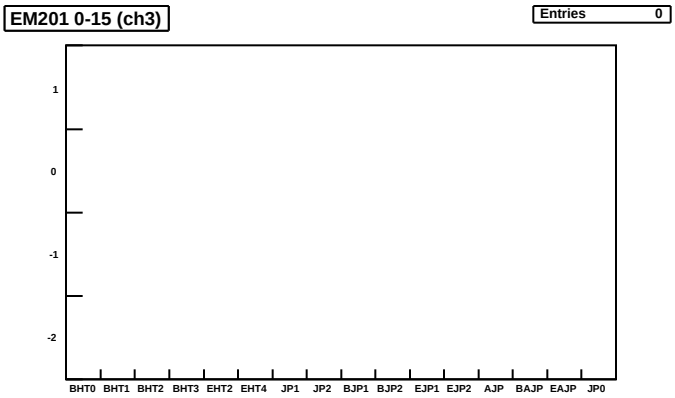




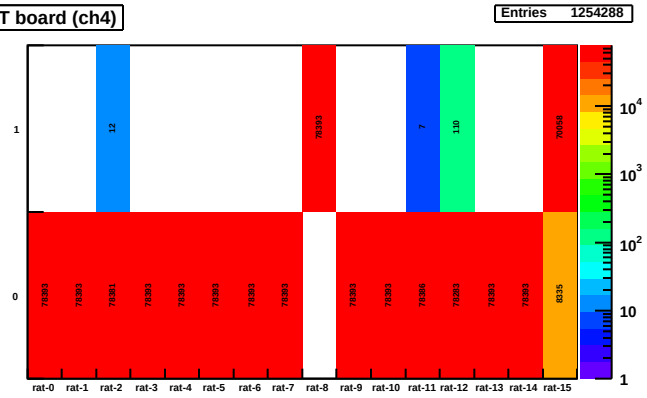
EM201 0-15 (ch3)

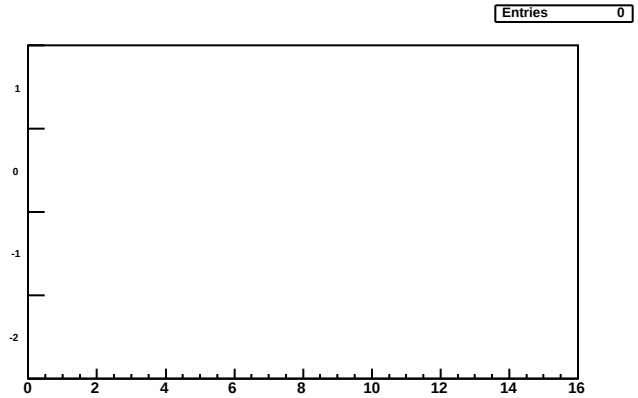


EM201 0-15 (ch3)

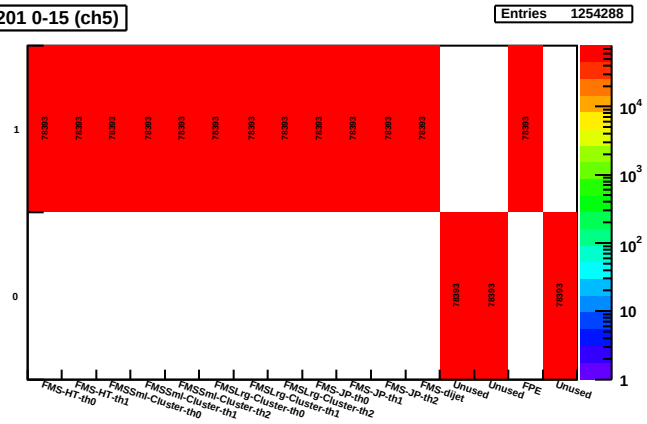


RAT board (ch4)

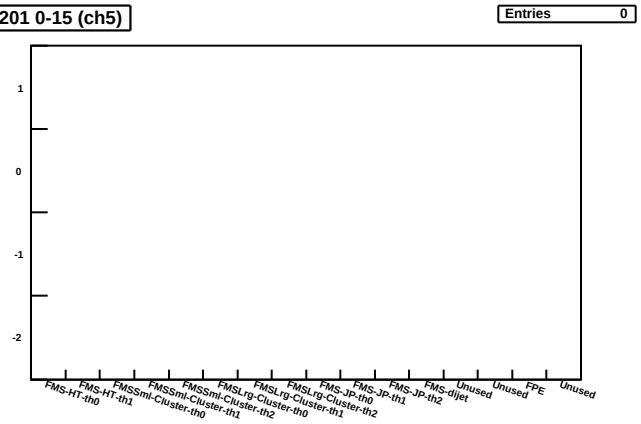




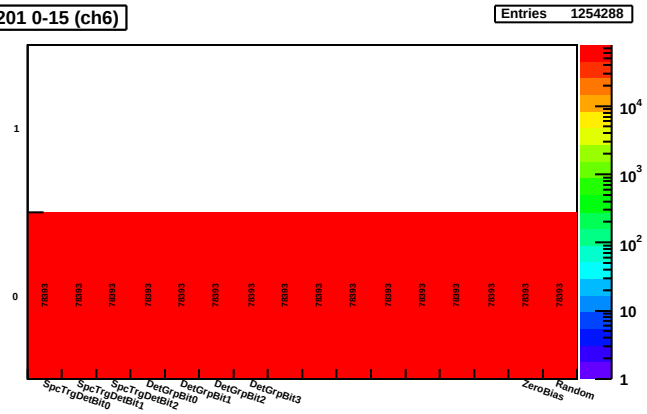
FP201 0-15 (ch5)

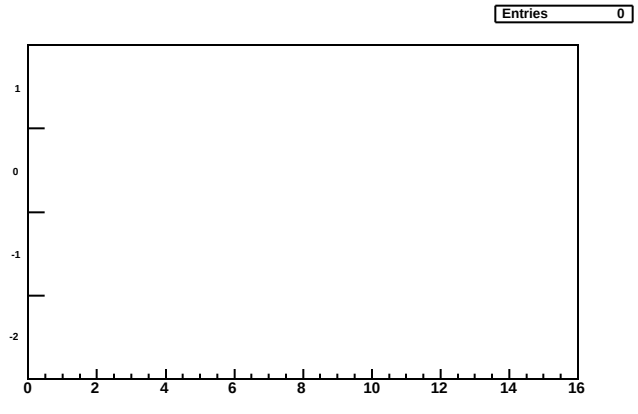
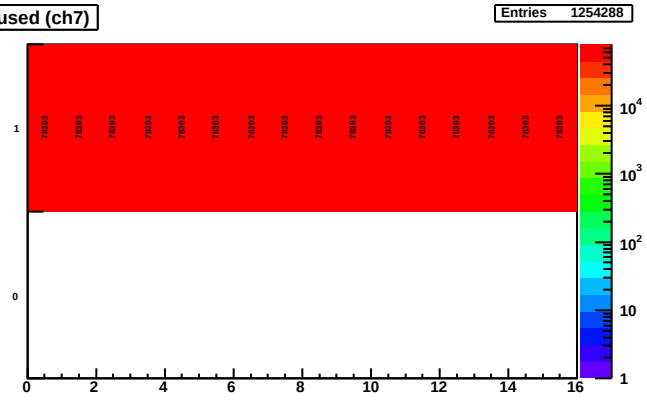
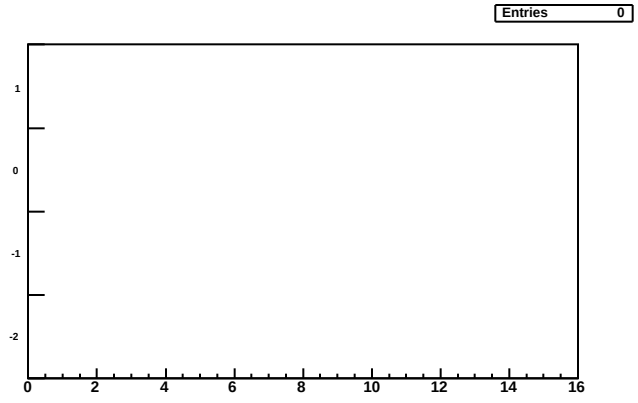


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)