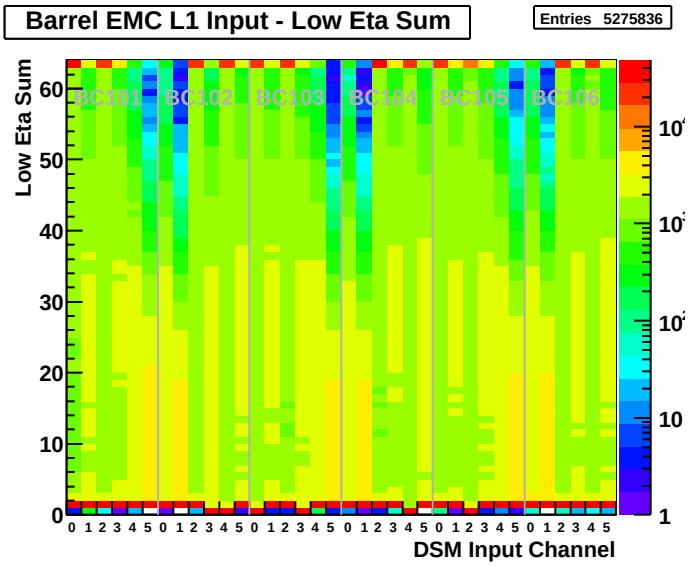
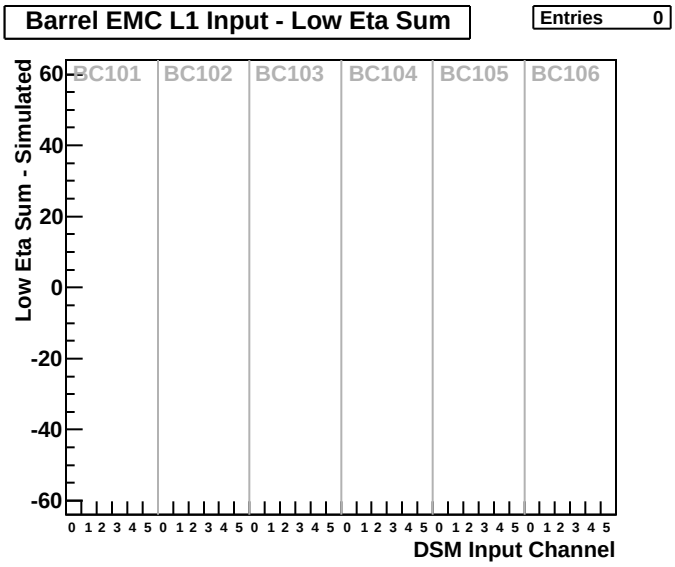
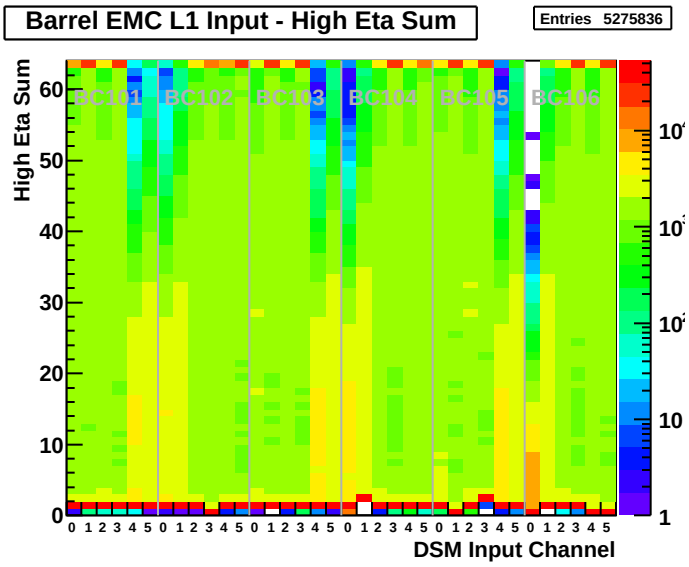
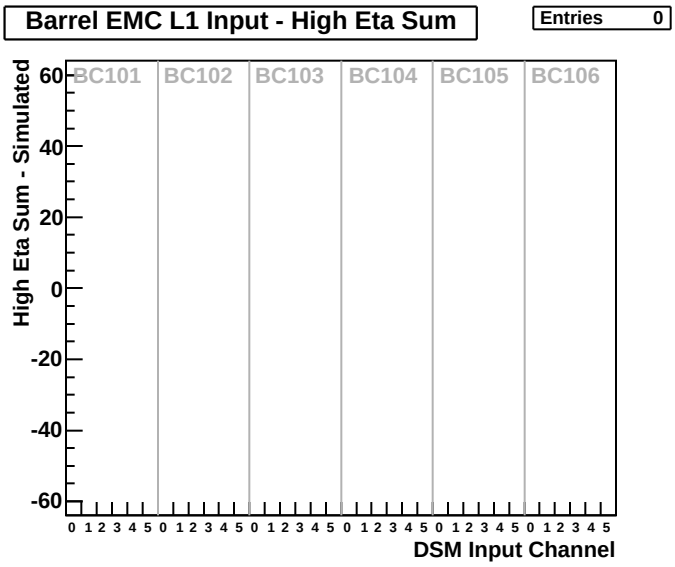
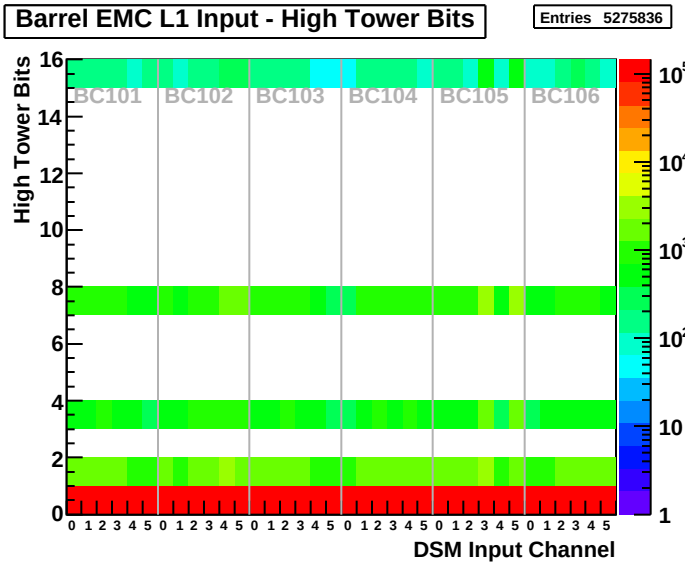
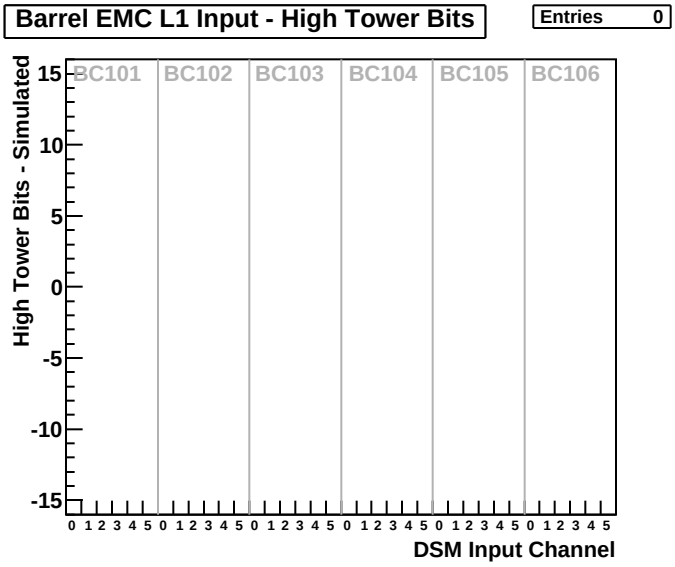

Barrel EMC L1 Input - Low Eta Sum
Entries 5275836
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

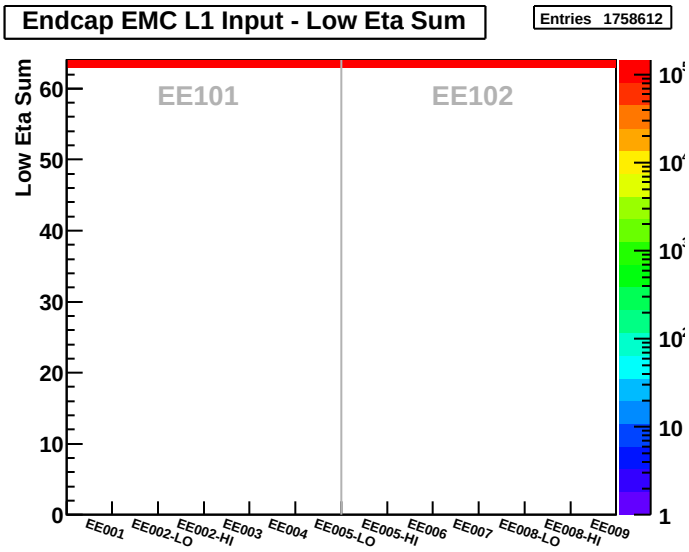

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

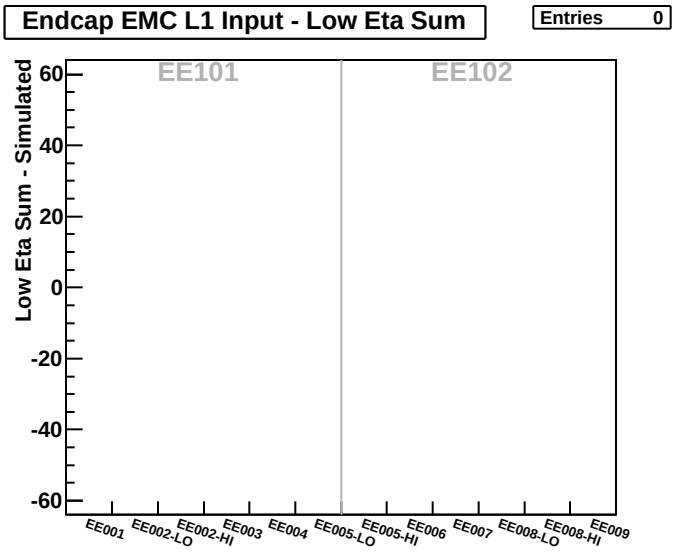

Barrel EMC L1 Input - High Eta Sum
Entries 5275836
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

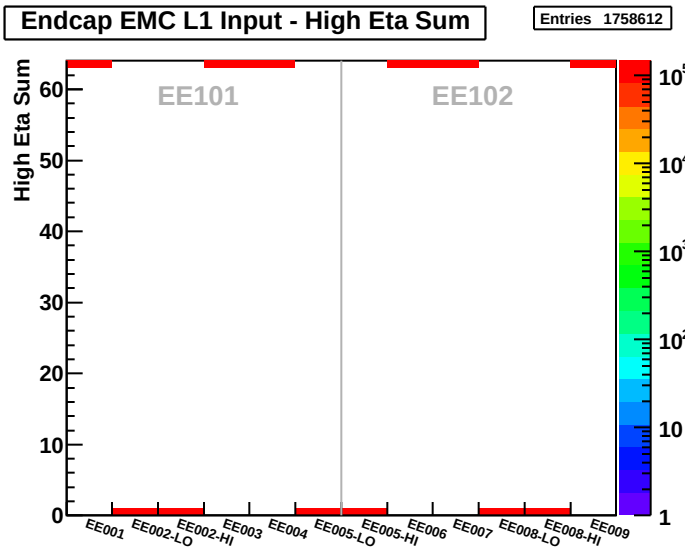

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

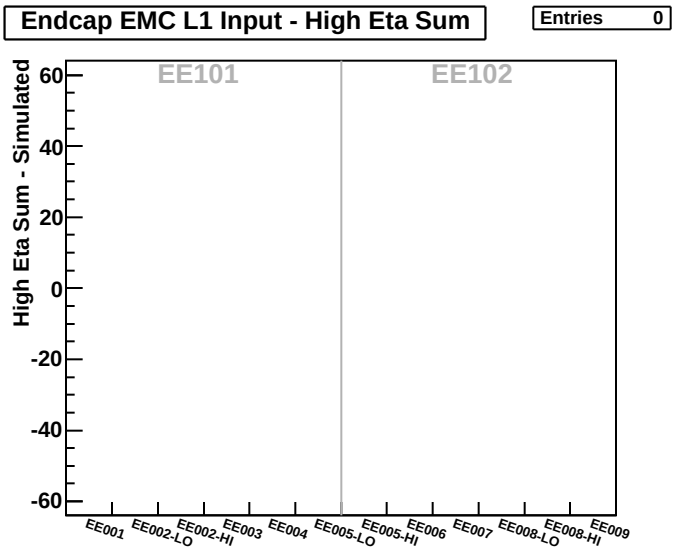

Barrel EMC L1 Input - High Tower Bits
Entries 5275836
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

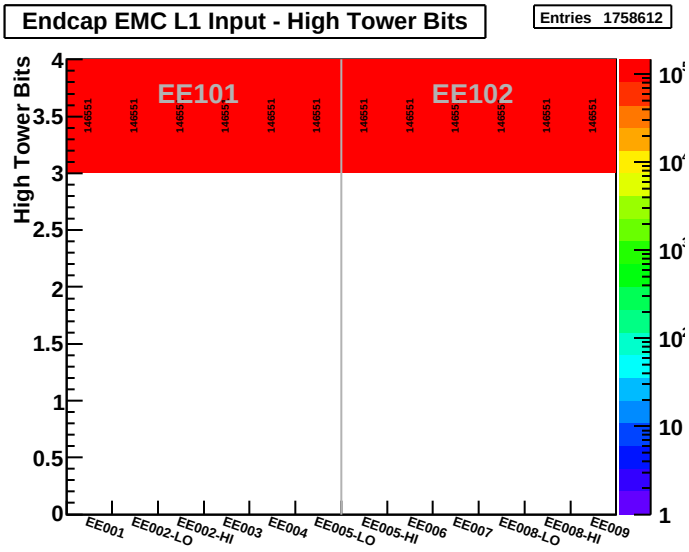

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

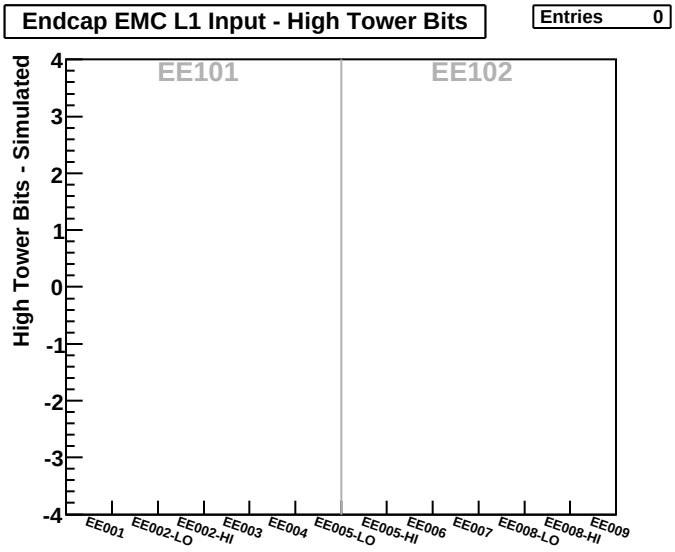

Endcap EMC L1 Input - Low Eta Sum
Entries 1758612
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

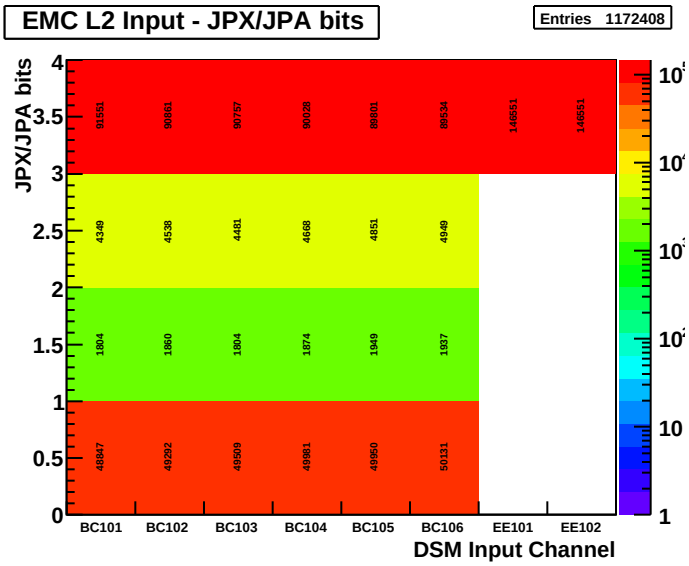

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

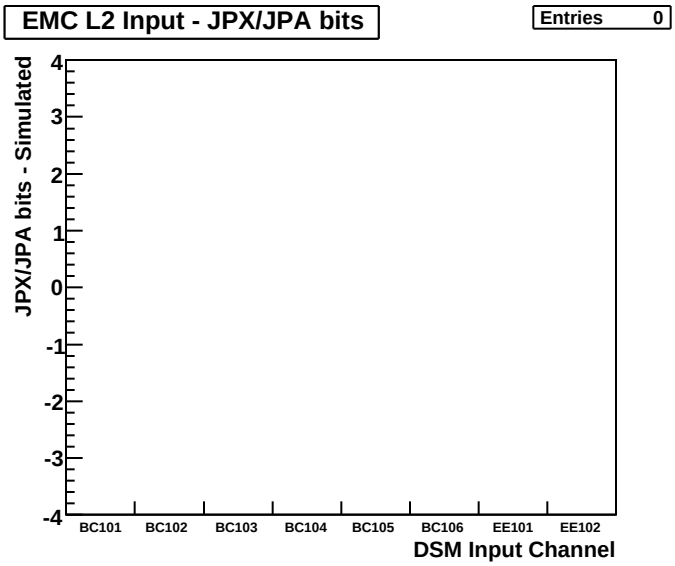

Endcap EMC L1 Input - High Eta Sum
Entries 1758612
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

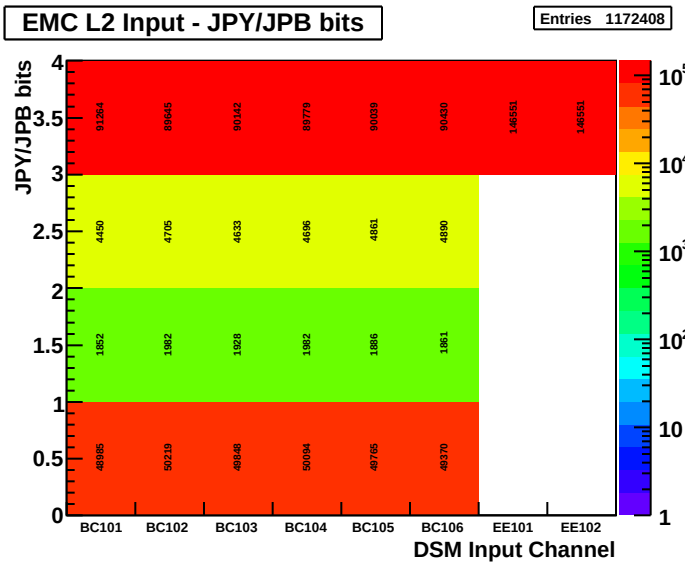

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

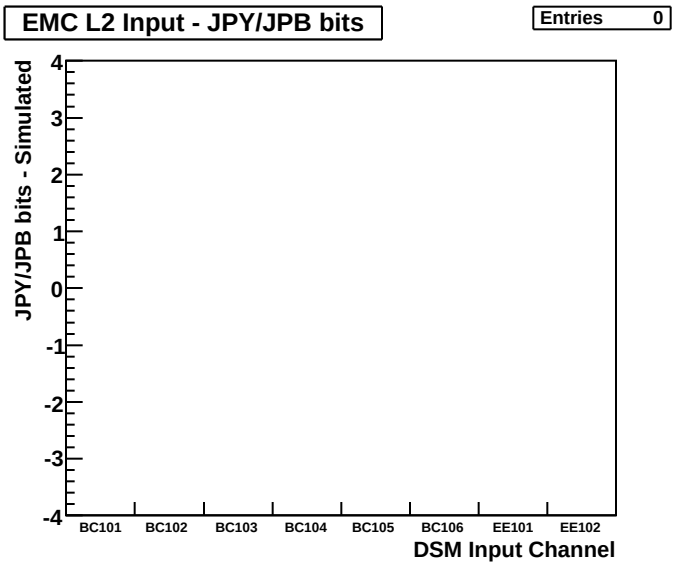

Endcap EMC L1 Input - High Tower Bits
Entries 1758612
High Tower Bits
EE101
EE102
146551
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

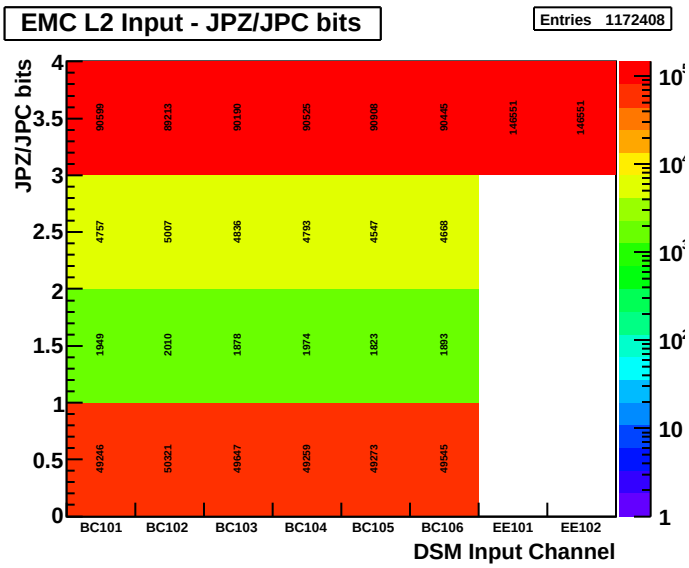

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

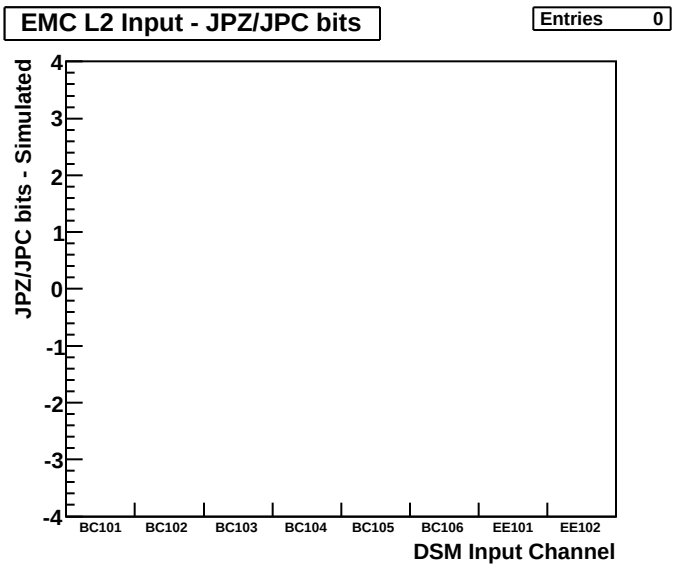

EMC L2 Input - JPX/JPA bits
Entries 1172408
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
91551 90861 90757 90028 89801 89534 146551 146551
4349 4538 4481 4668 4851 4949
1804 1860 1804 1874 1949 1937
48847 49292 49509 49981 49950 50131

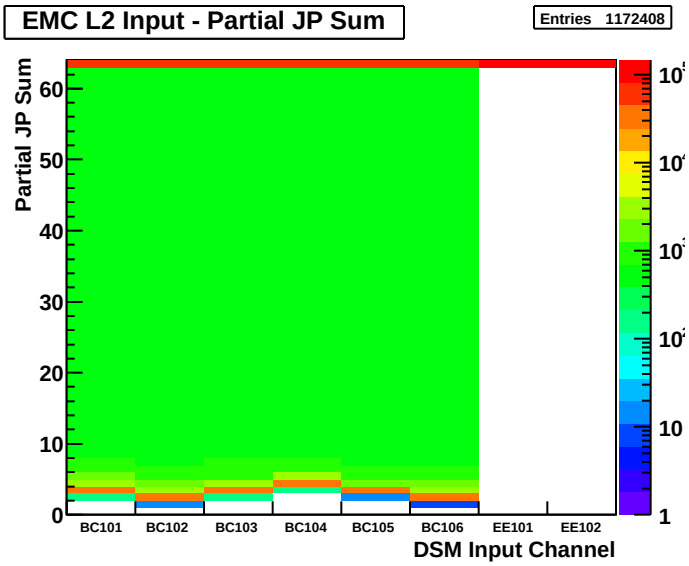

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

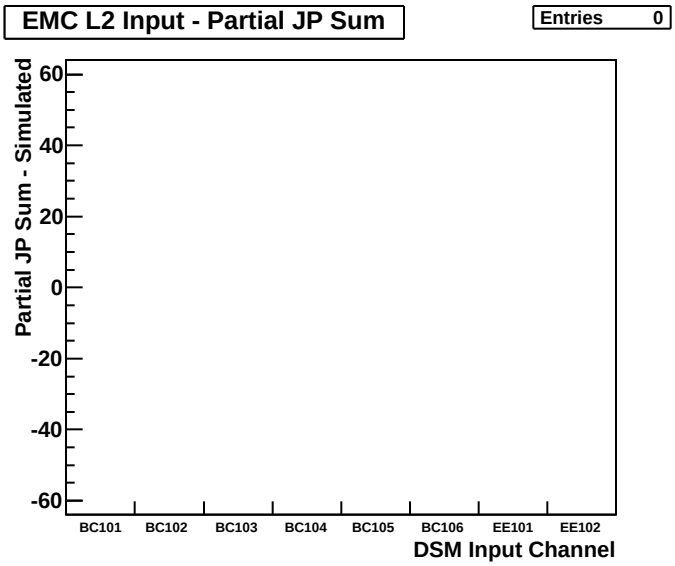

EMC L2 Input - JPY/JPB bits
Entries 1172408
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
91264 89645 90142 89779 90039 90430 146551 146551
4450 4705 4633 4696 4861 4890
1852 1982 1928 1982 1886 1861
48985 50219 49848 50094 49765 49370

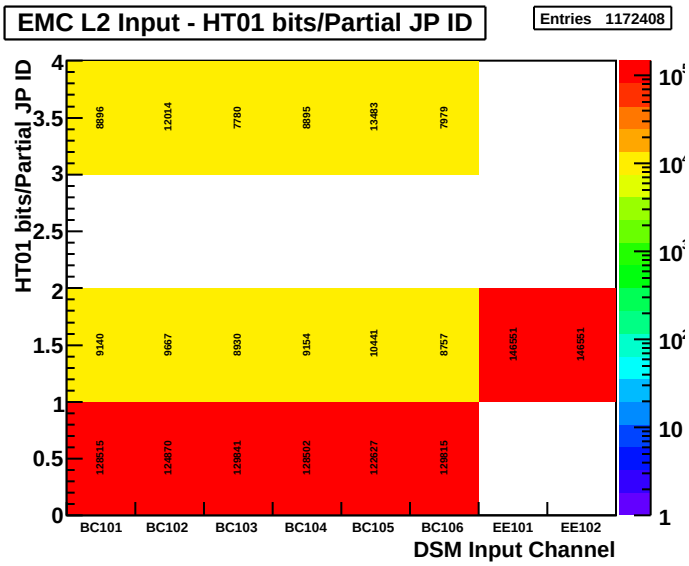

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

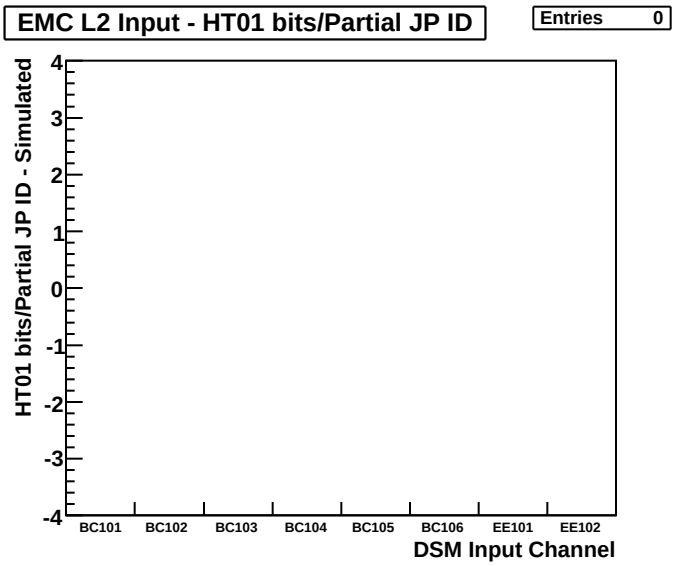

EMC L2 Input - JPZ/JPC bits
Entries 1172408
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
90599 89213 90190 90525 90908 90445 146551 146551
4757 5007 4836 4793 4547 4668
1949 2010 1878 1974 1823 1893
49246 50321 49647 49259 49273 49545

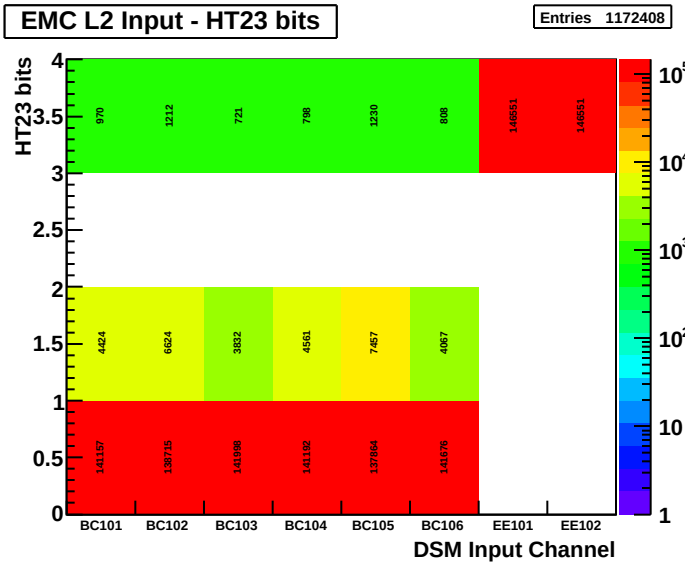

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

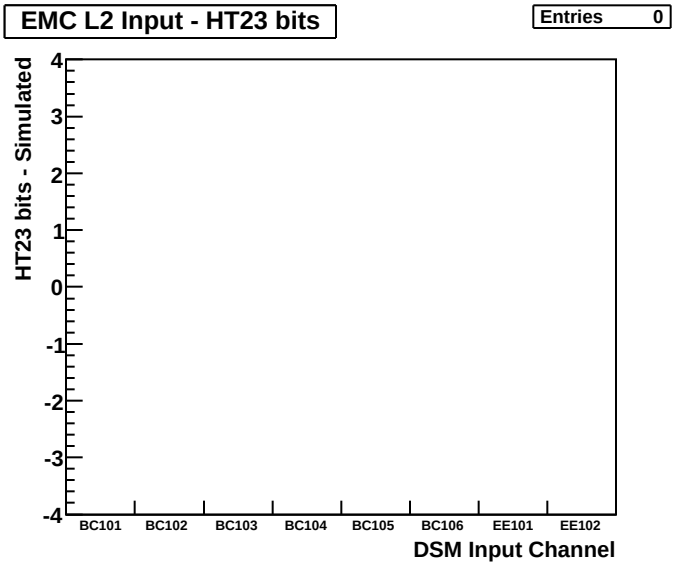

EMC L2 Input - Partial JP Sum
Entries 1172408
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

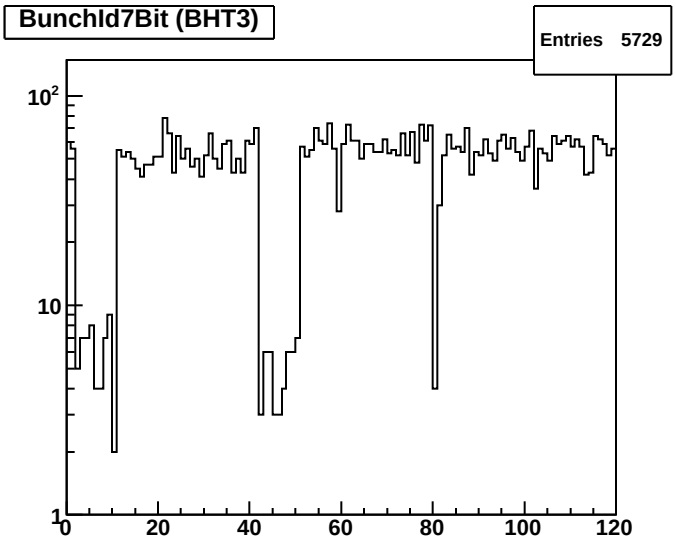

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

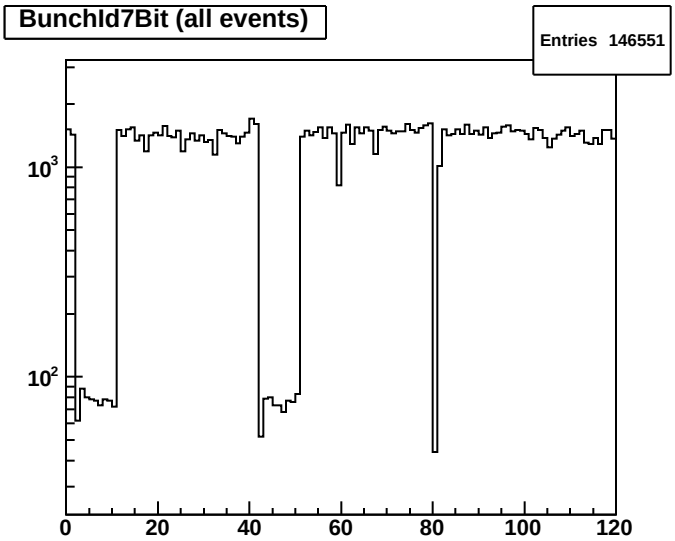

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1172408
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

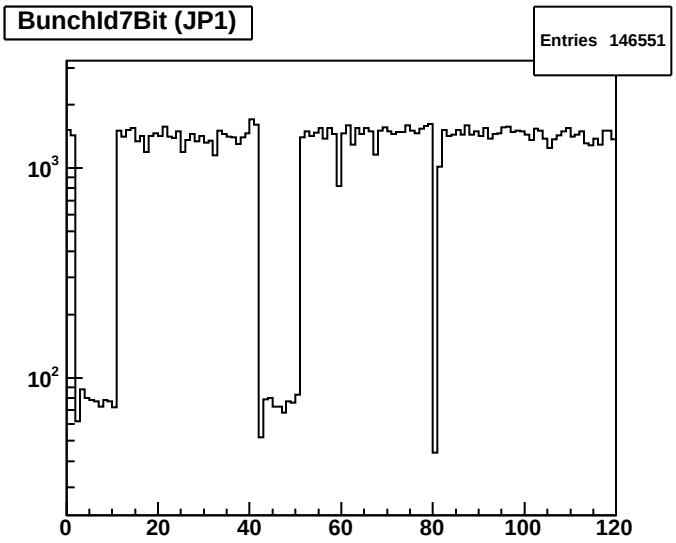

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

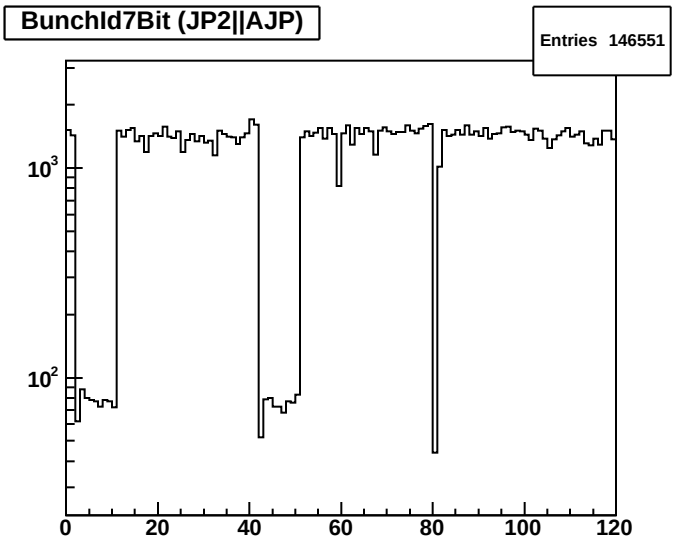

EMC L2 Input - HT23 bits
Entries 1172408
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

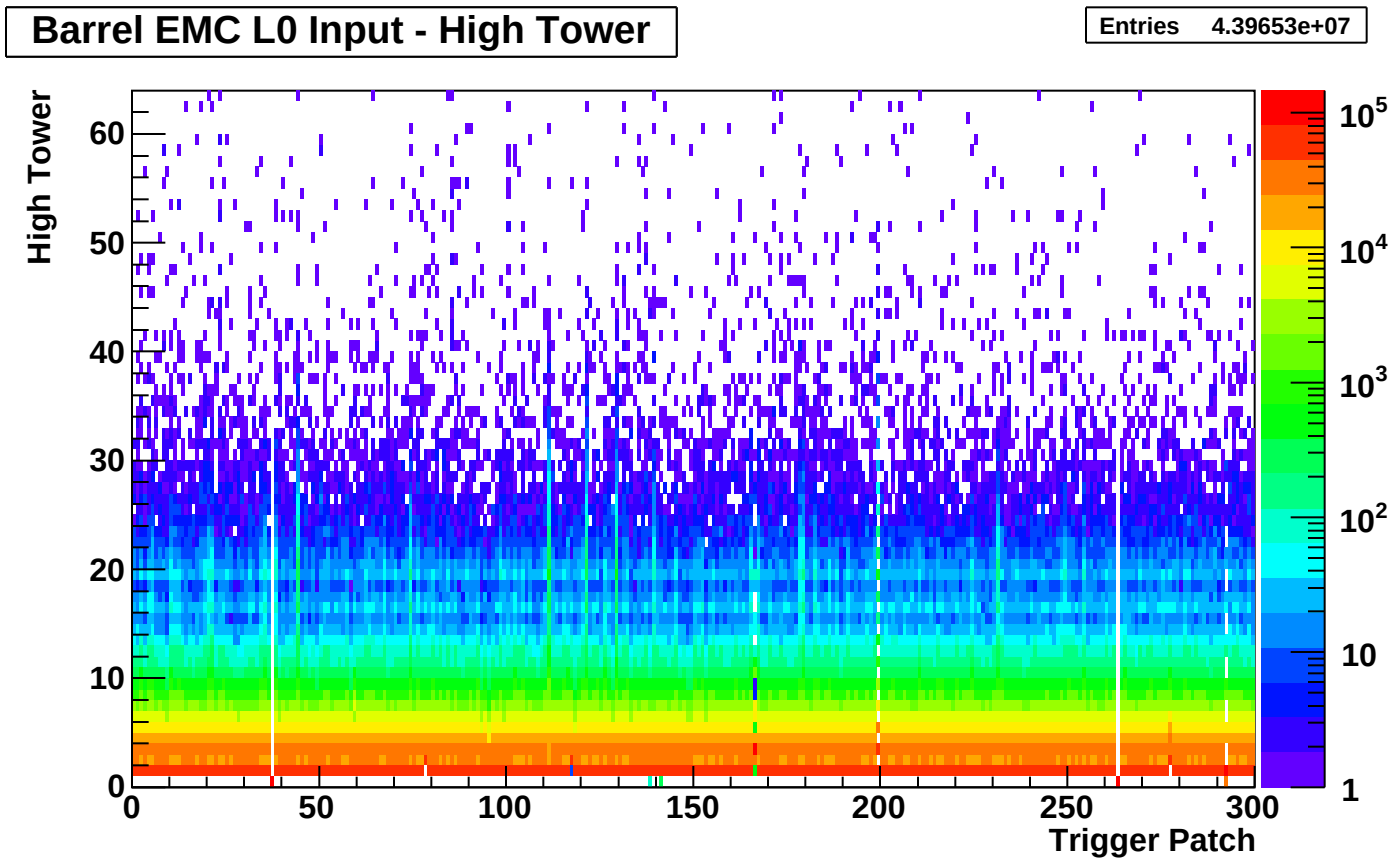

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

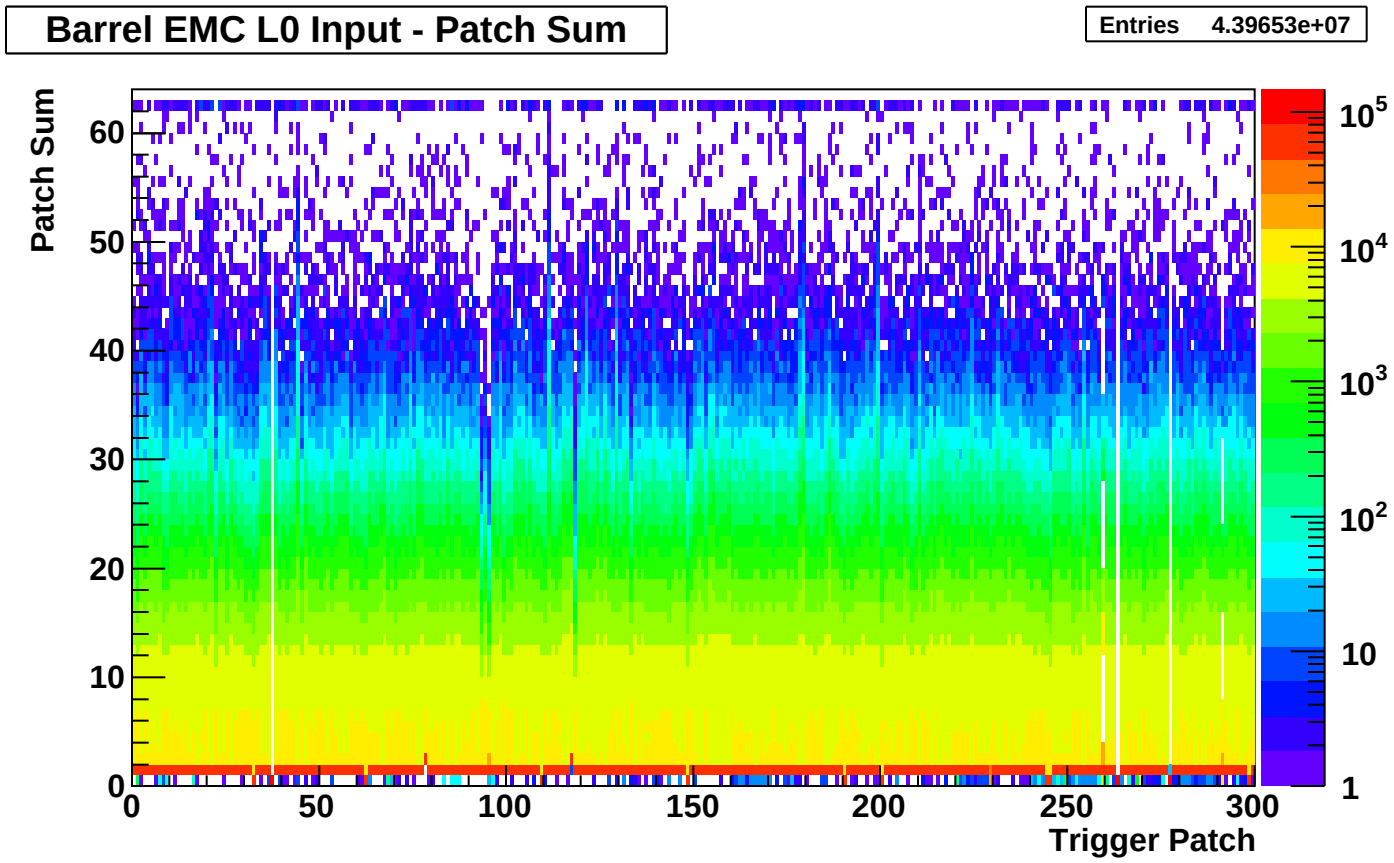

BunchId7Bit (BHT3)
Entries 5729
10^2
10
1
0
20
40
60
80
100
120

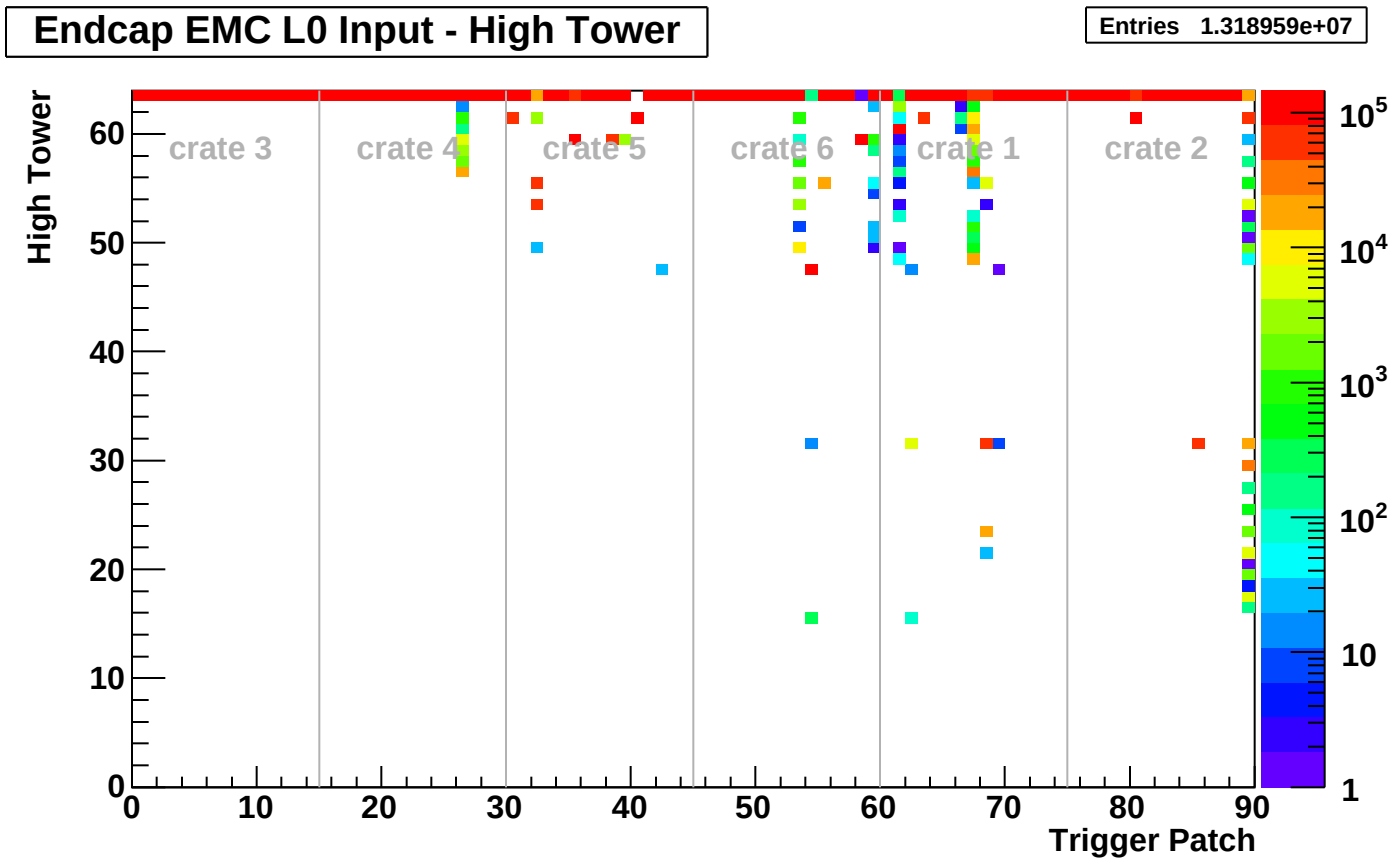

BunchId7Bit (all events)
Entries 146551
10^3
10^2
0
20
40
60
80
100
120

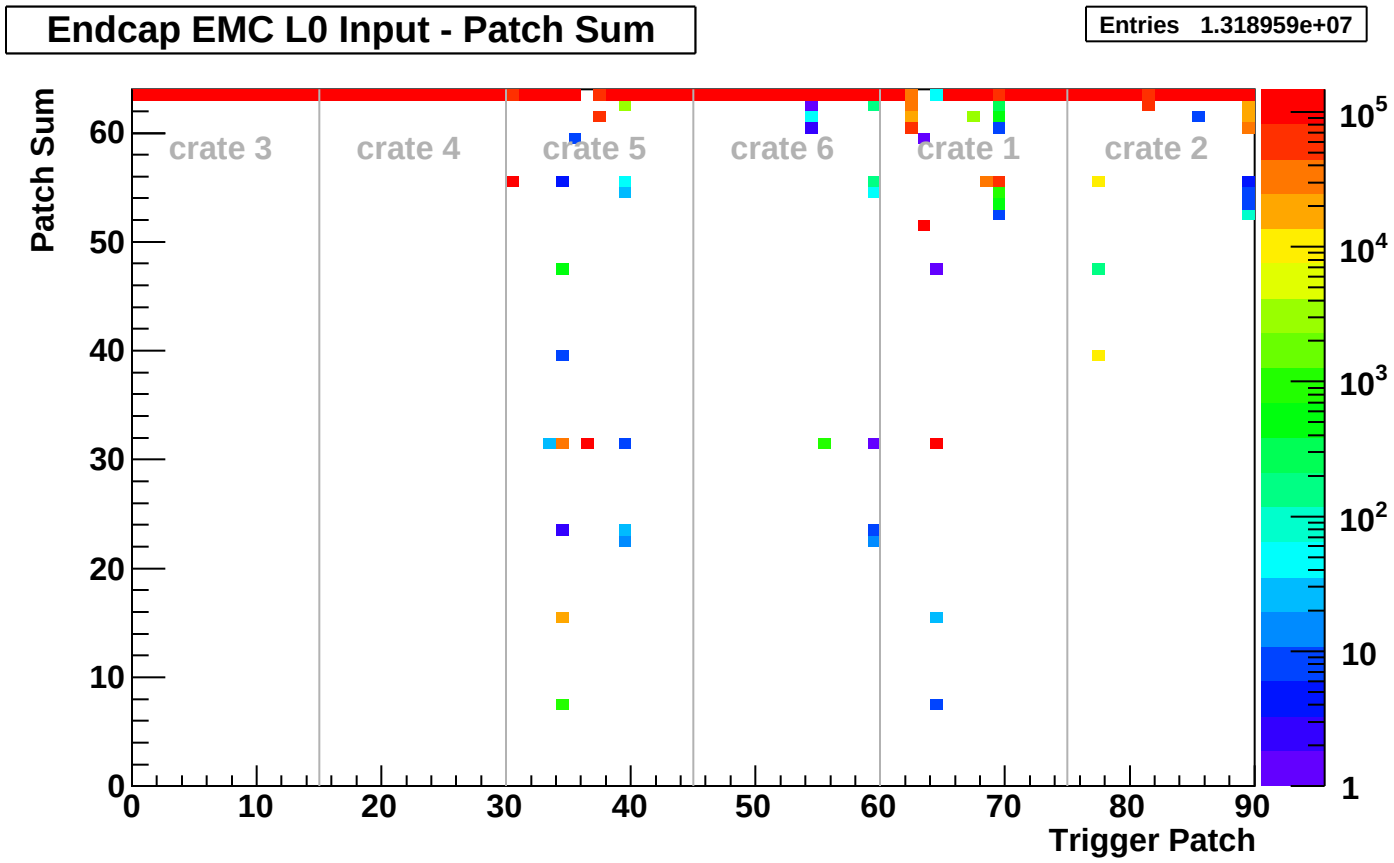

BunchId7Bit (JP1)
Entries 146551
10^3
10^2
0
20
40
60
80
100
120

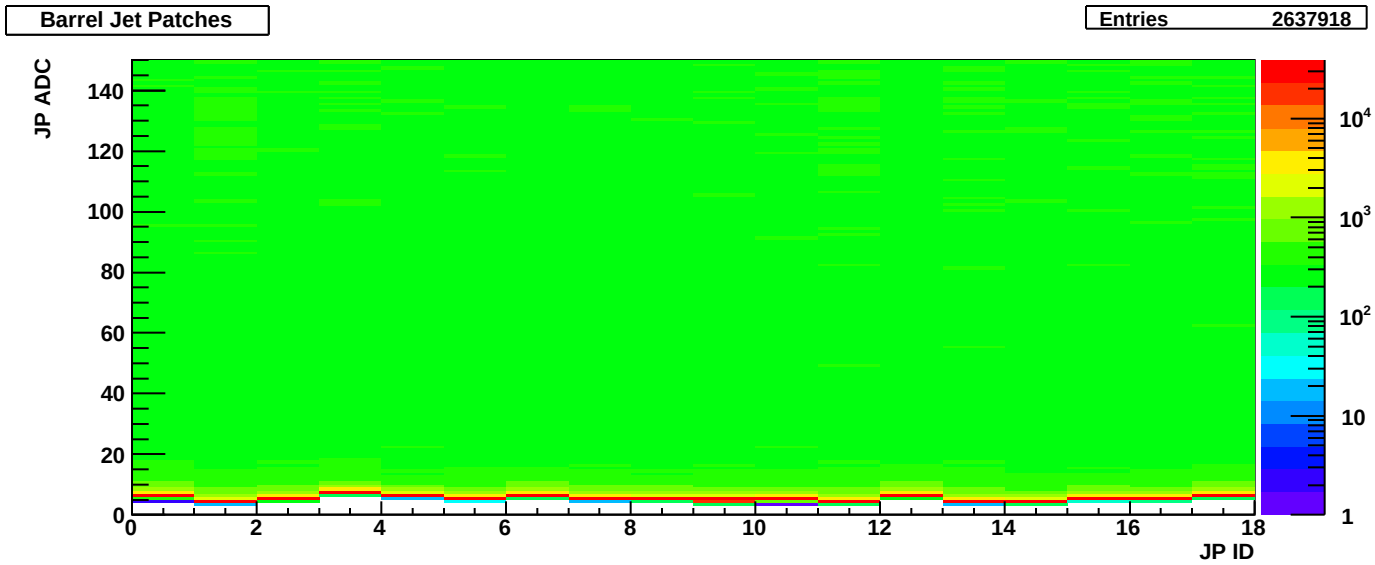

BunchId7Bit (JP2||AJP)
Entries 146551
10^3
10^2
0
20
40
60
80
100
120

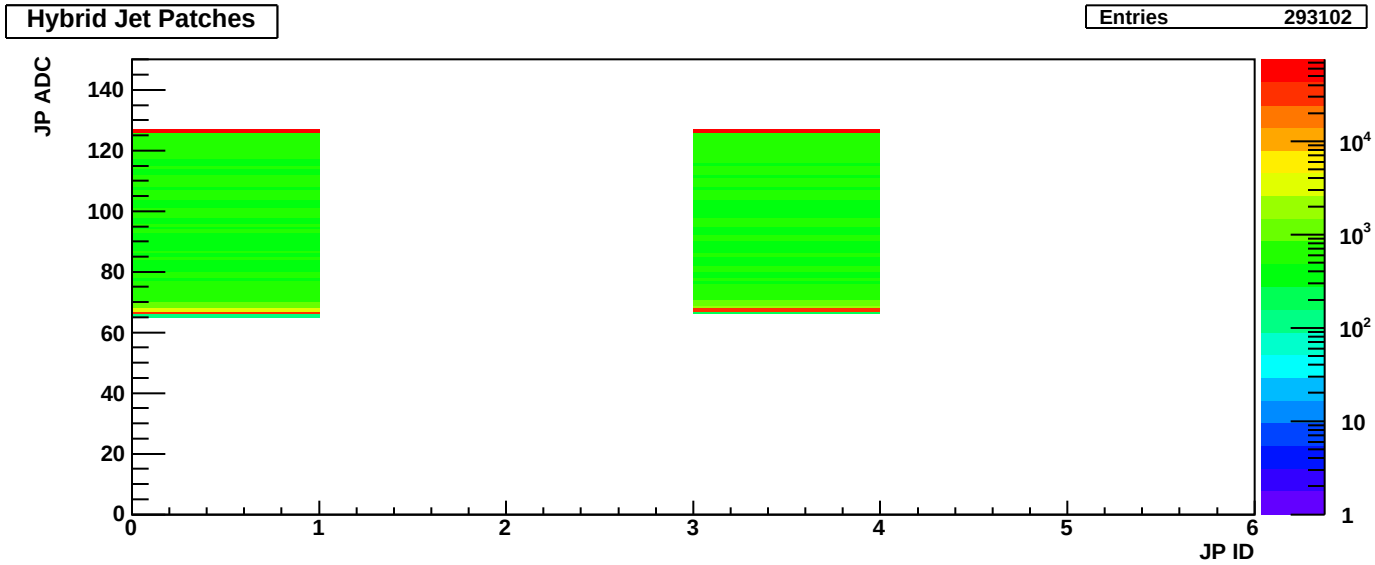

Barrel EMC L0 Input - High Tower
Entries 4.39653e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

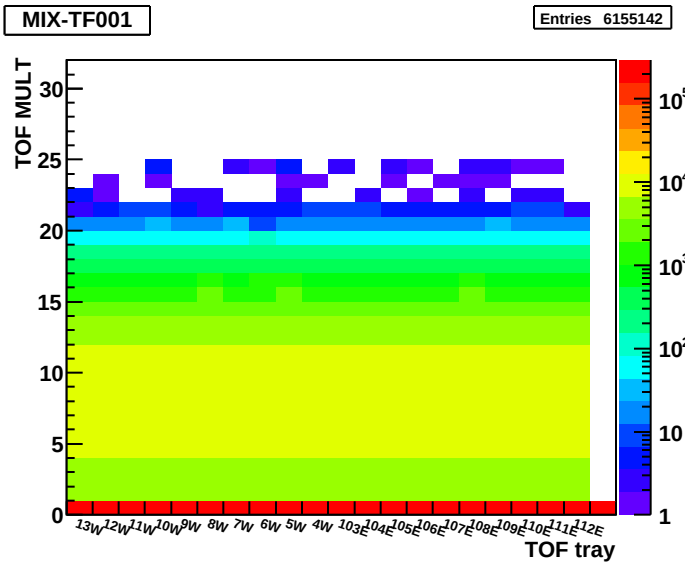

Barrel EMC L0 Input - Patch Sum
Entries 4.39653e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

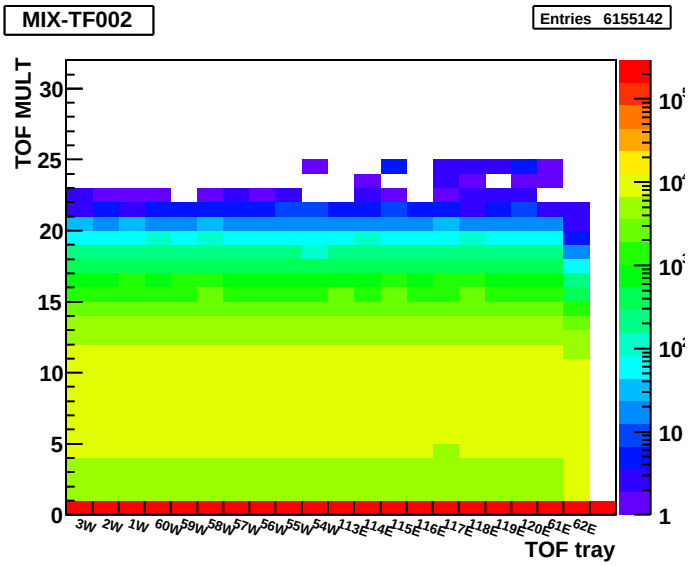

Endcap EMC L0 Input - High Tower
Entries 1.318959e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

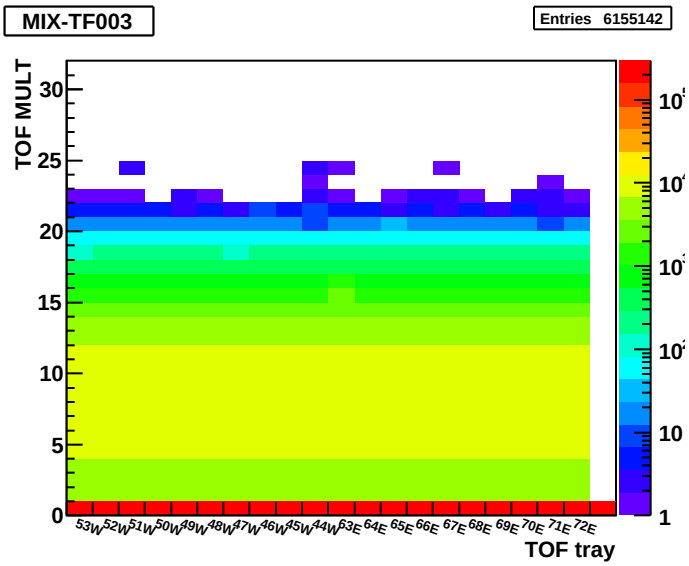

Endcap EMC L0 Input - Patch Sum
Entries 1.318959e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

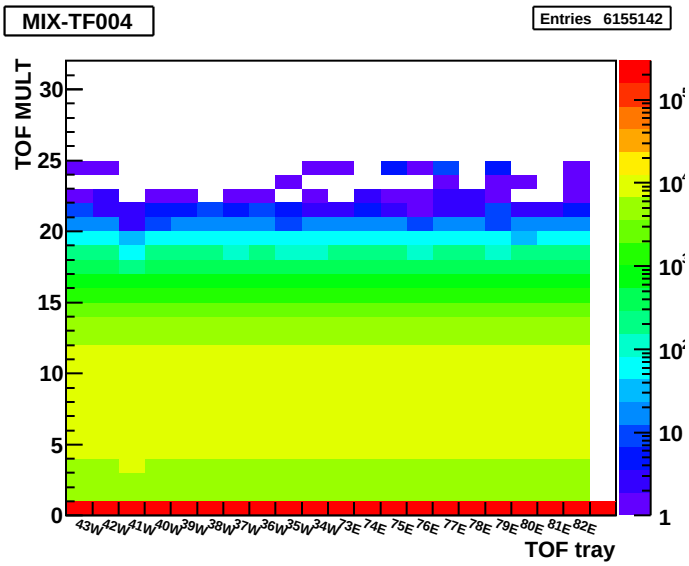

Barrel Jet Patches
Entries 2637918
JP ADC
JP ID

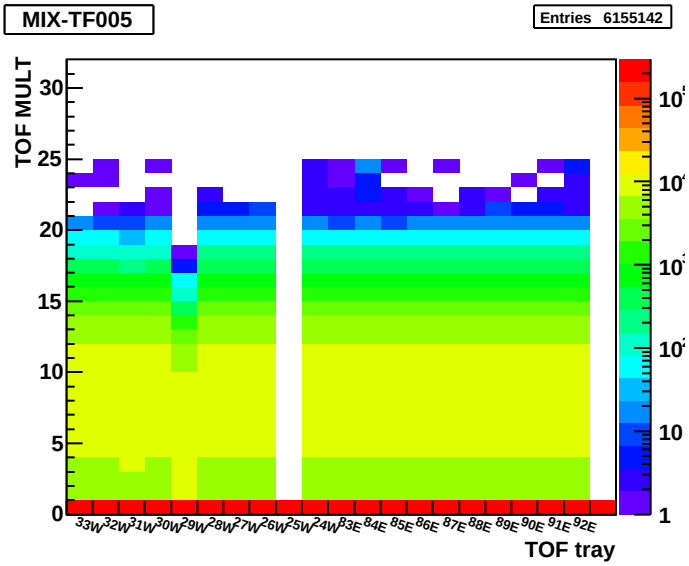

Hybrid Jet Patches
Entries 293102
JP ADC
JP ID

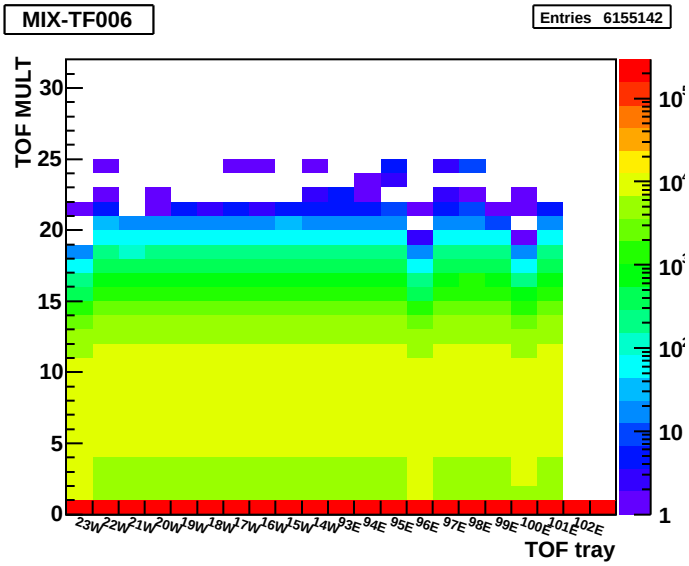

MIX-TF001
Entries 6155142
TOF MULT
TOF tray

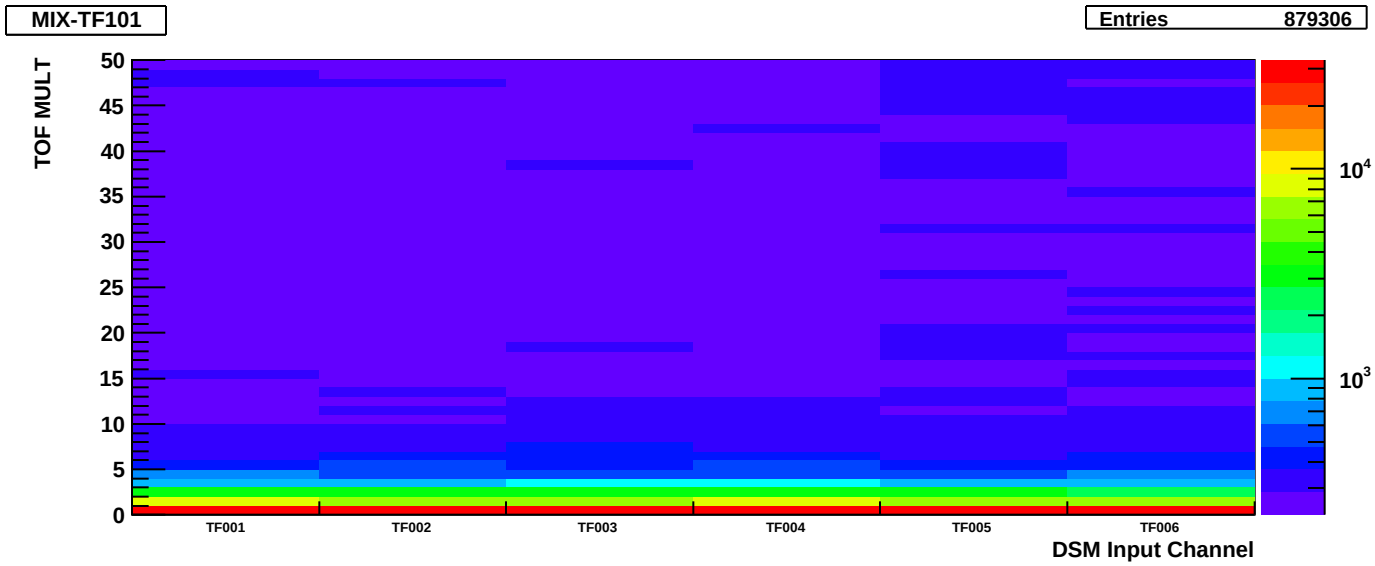

MIX-TF002
Entries 6155142
TOF MULT
TOF tray

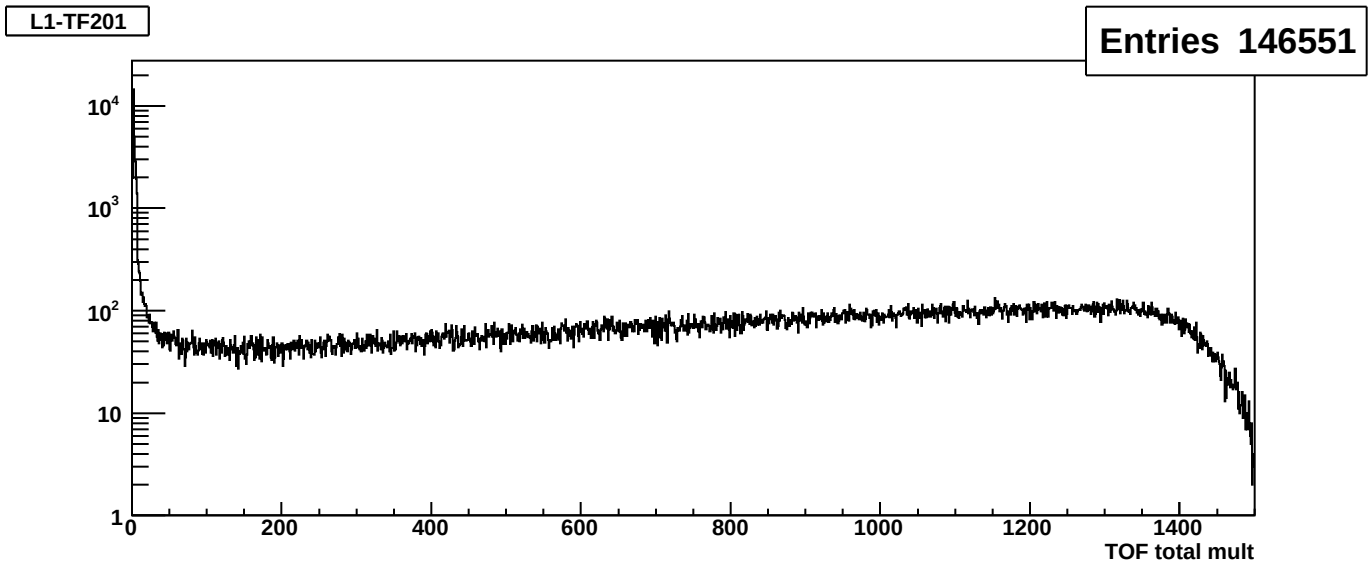

MIX-TF003
Entries 6155142
TOF MULT
TOF tray

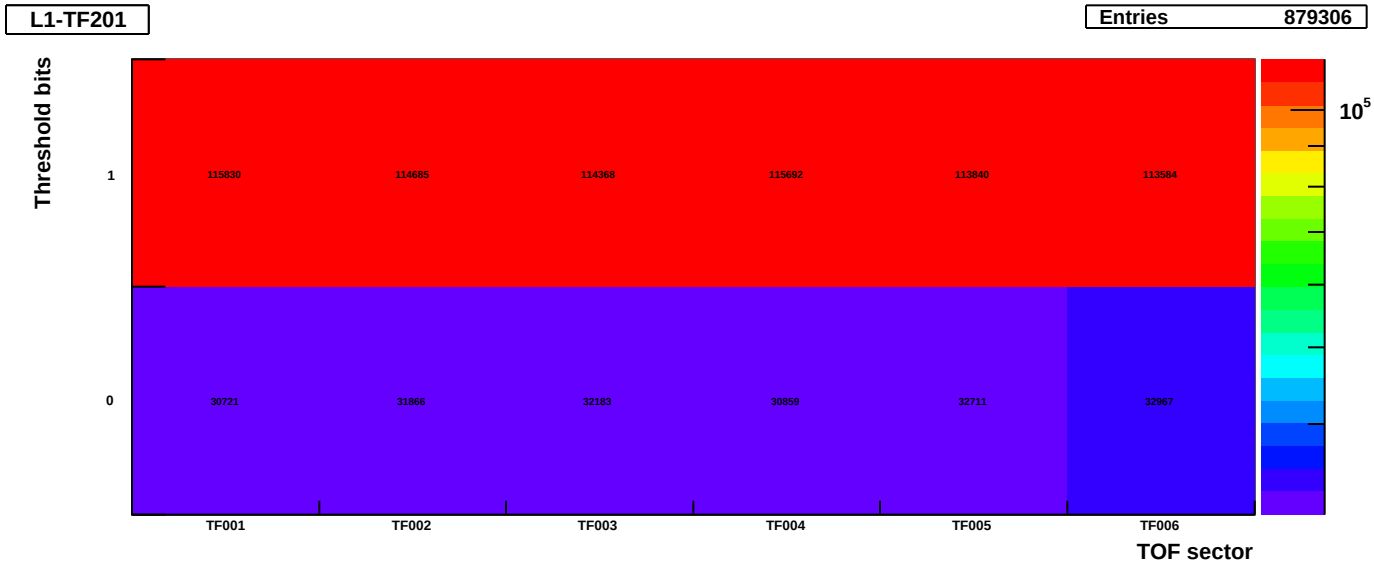

MIX-TF004
Entries 6155142
TOF MULT
TOF tray

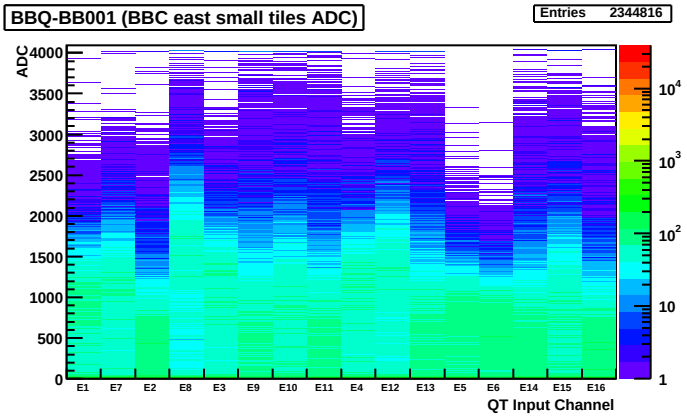

MIX-TF005
Entries 6155142
TOF MULT
TOF tray

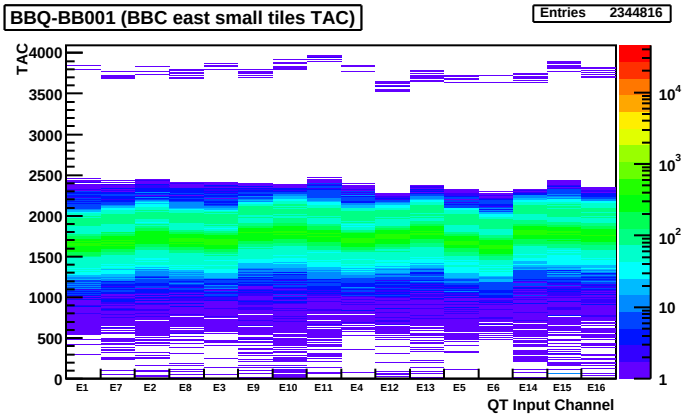

MIX-TF006
Entries 6155142
TOF MULT
TOF tray

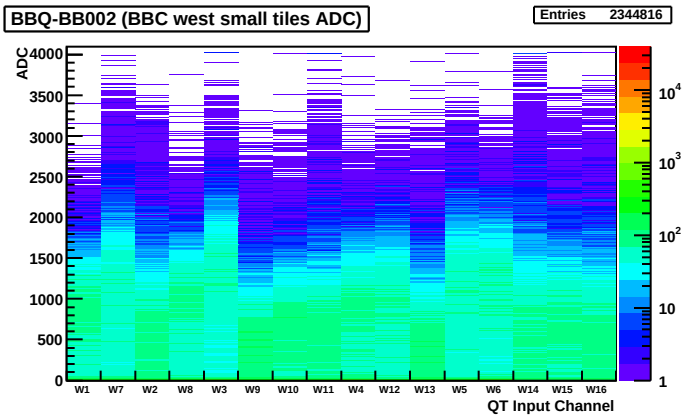

MIX-TF101
Entries 879306
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

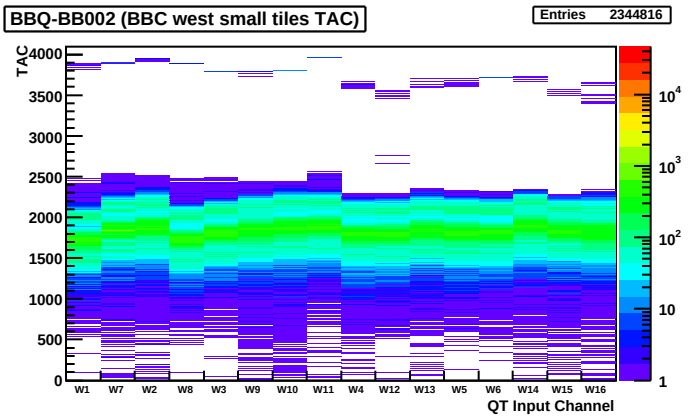

L1-TF201
Entries 146551
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

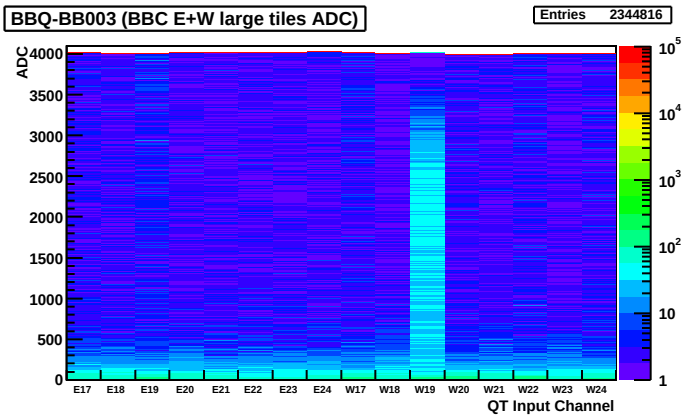

L1-TF201
Entries 879306
Threshold bits
1
0
115830
114685
114368
115692
113840
113584
30721
31866
32183
30859
32711
32967
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

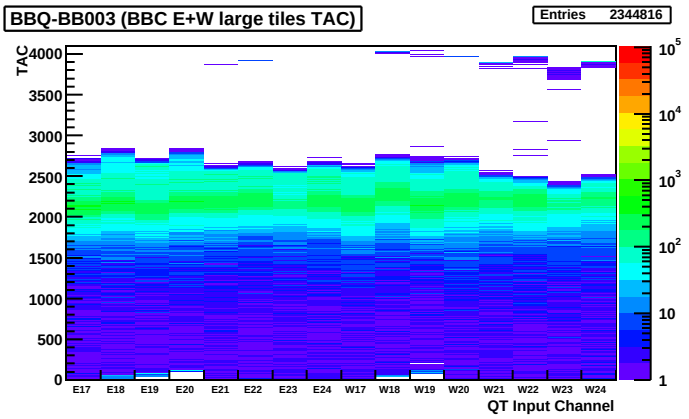

BBQ-BB001 (BBC east small tiles ADC)
Entries 2344816
ADC
QT Input Channel

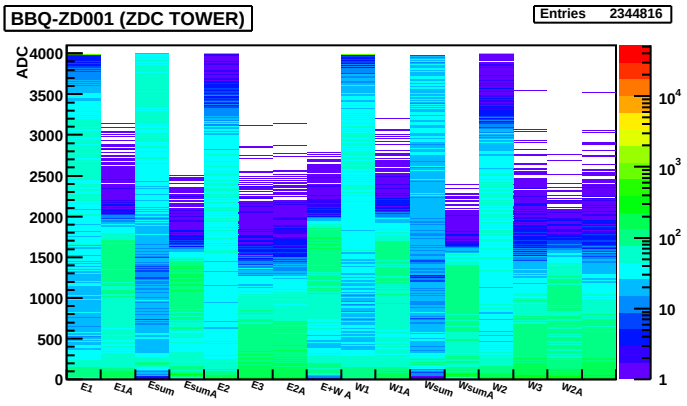

BBQ-BB001 (BBC east small tiles TAC)
Entries 2344816
TAC
QT Input Channel

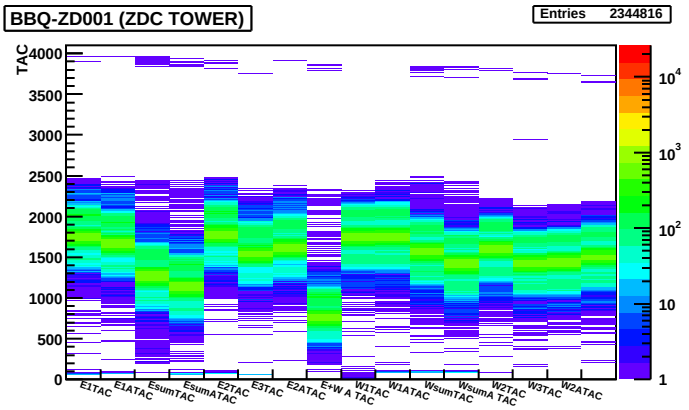

BBQ-BB002 (BBC west small tiles ADC)
Entries 2344816
ADC
QT Input Channel

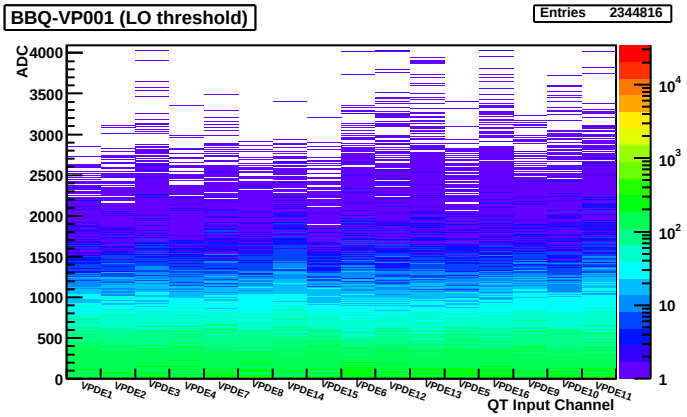

BBQ-BB002 (BBC west small tiles TAC)
Entries 2344816
TAC
QT Input Channel

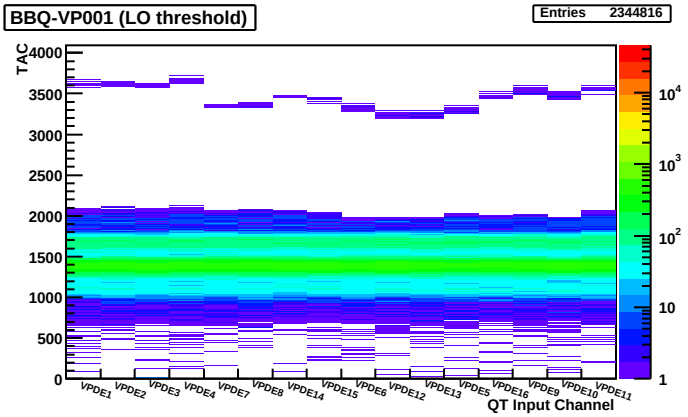

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2344816
ADC
QT Input Channel

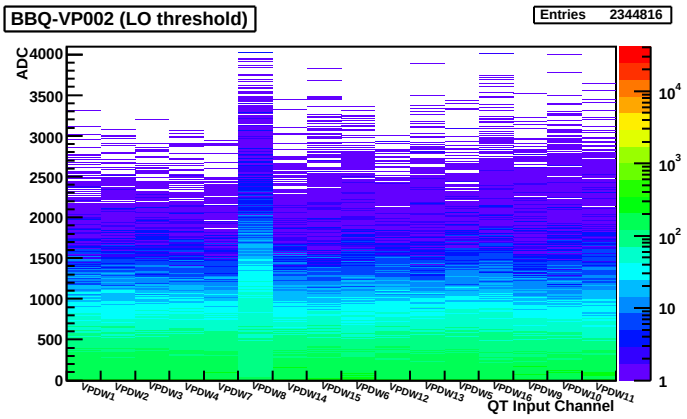

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2344816
TAC
QT Input Channel

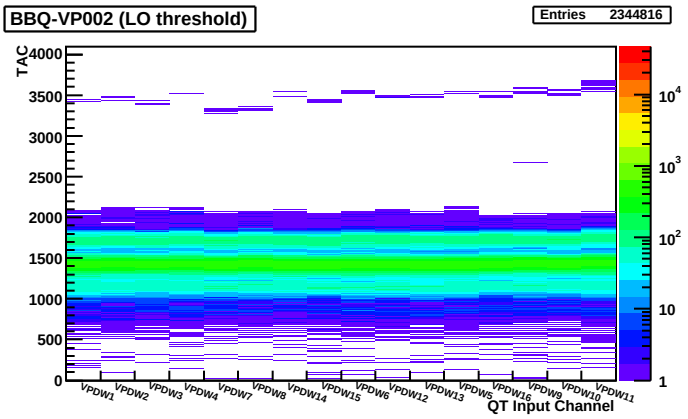

BBQ-ZD001 (ZDC TOWER)
Entries 2344816
ADC

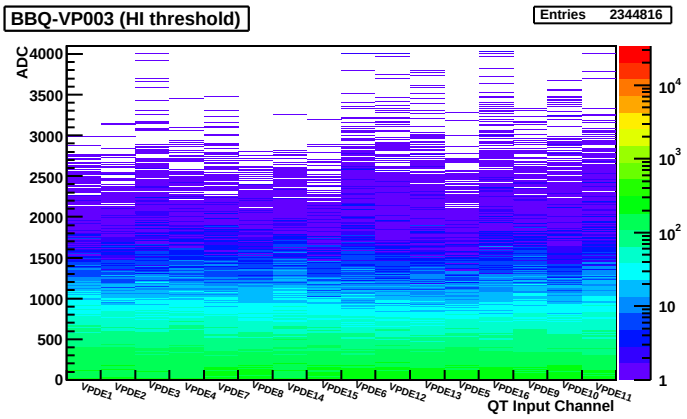

BBQ-ZD001 (ZDC TOWER)
Entries 2344816
TAC

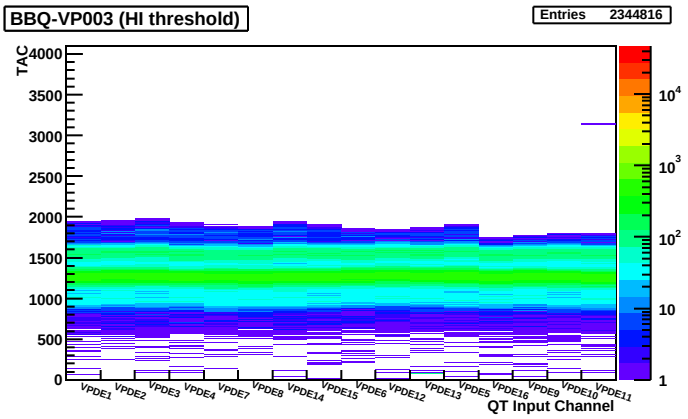

BBQ-VP001 (LO threshold)
Entries 2344816
ADC
QT Input Channel

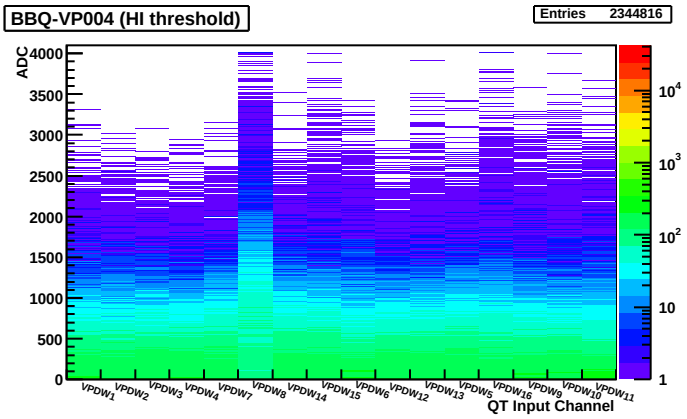

BBQ-VP001 (LO threshold)
Entries 2344816
TAC
QT Input Channel

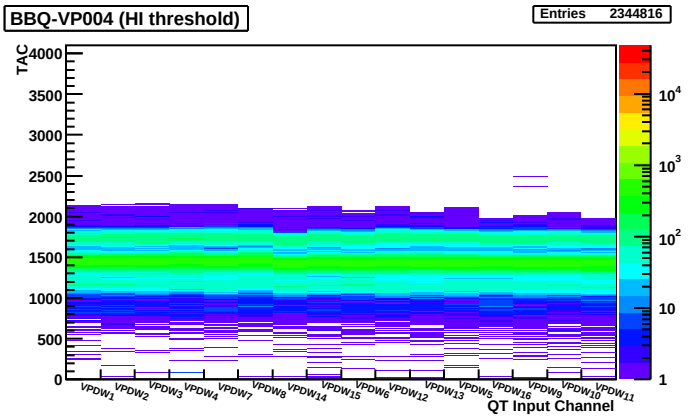

BBQ-VP002 (LO threshold)
Entries 2344816
ADC
QT Input Channel

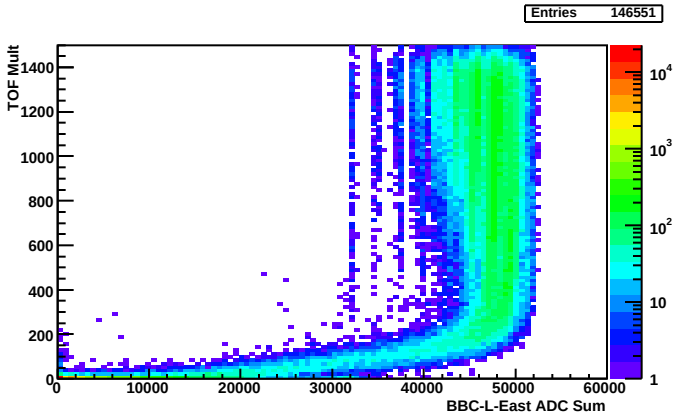

BBQ-VP002 (LO threshold)
Entries 2344816
TAC
QT Input Channel

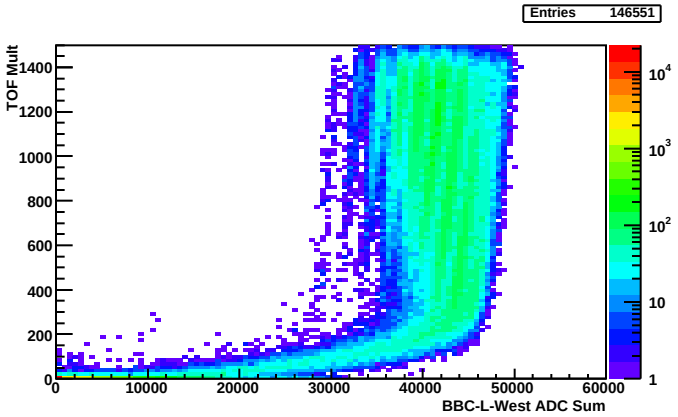

BBQ-VP003 (HI threshold)
Entries 2344816
ADC
QT Input Channel

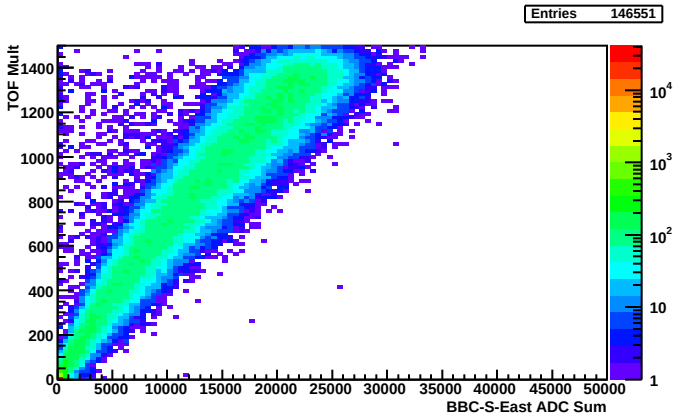

BBQ-VP003 (HI threshold)
Entries 2344816
TAC
QT Input Channel

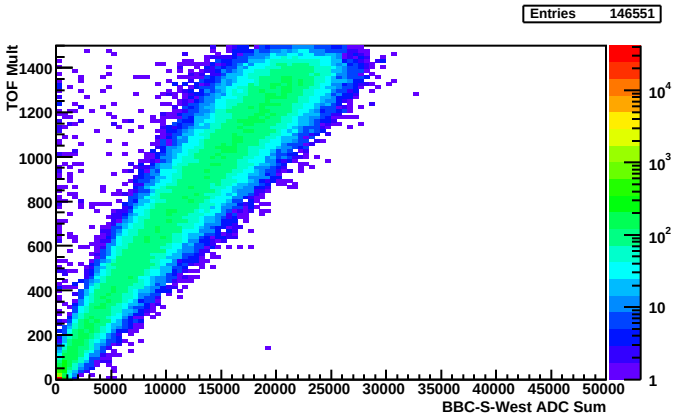

BBQ-VP004 (HI threshold)
Entries 2344816
ADC
QT Input Channel

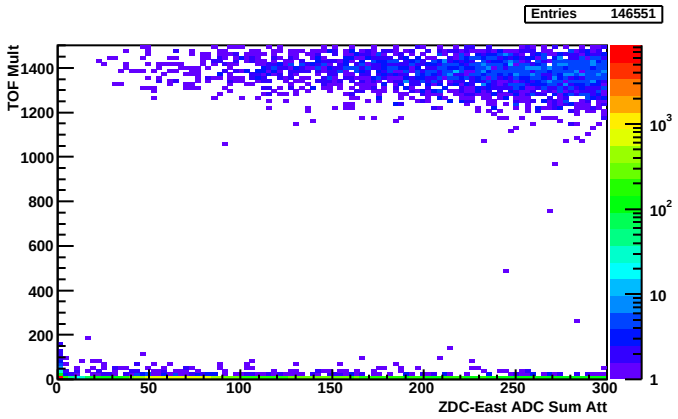

BBQ-VP004 (HI threshold)
Entries 2344816
TAC
QT Input Channel

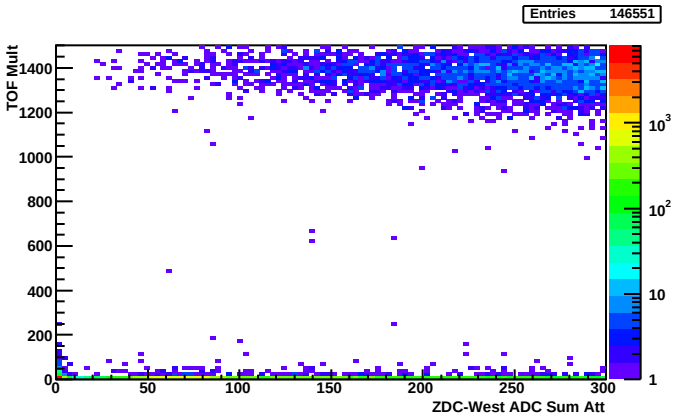

Entries 146551
TOF Mult
BBC-L-East ADC Sum

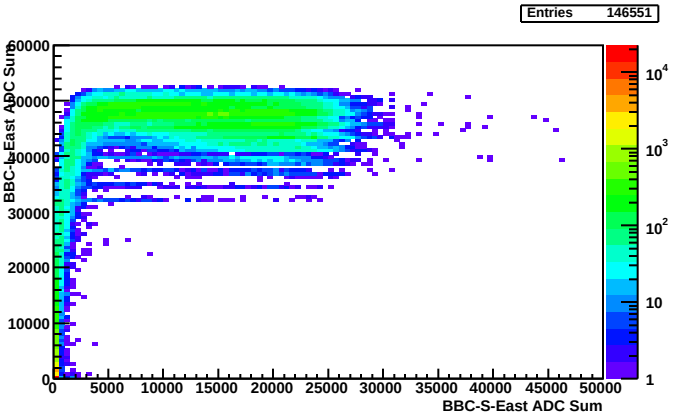

Entries 146551
TOF Mult
BBC-L-West ADC Sum

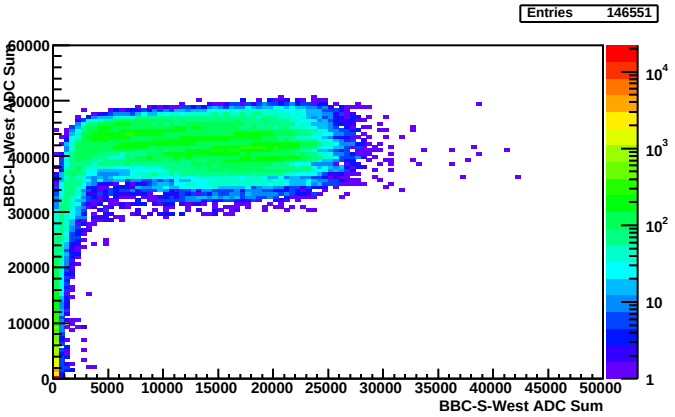

Entries 146551
TOF Mult
BBC-S-East ADC Sum

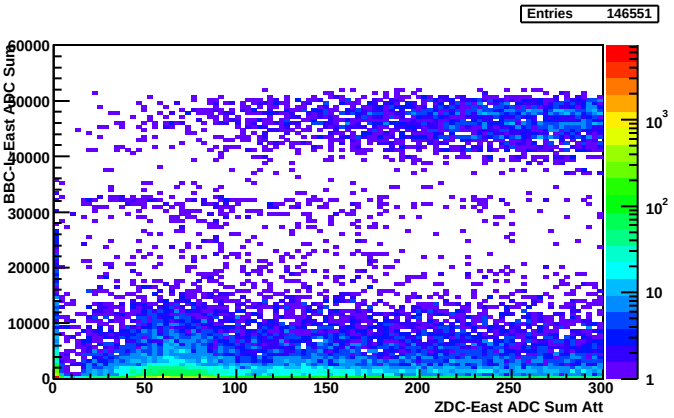

Entries 146551
TOF Mult
BBC-S-West ADC Sum

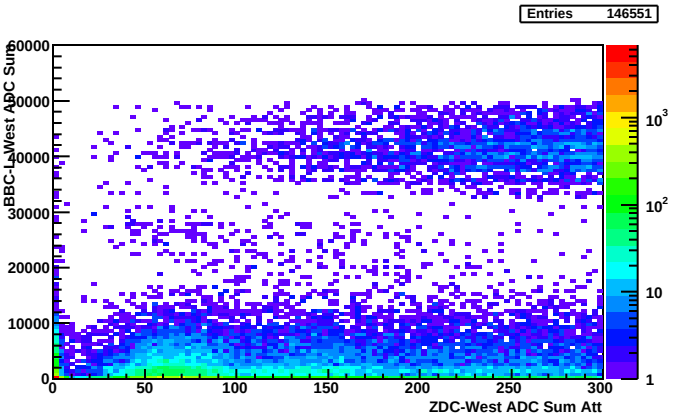

Entries 146551
TOF Mult
ZDC-East ADC Sum Att


Entries 146551
TOF Mult
ZDC-West ADC Sum Att


Entries 146551
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 146551
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 146551
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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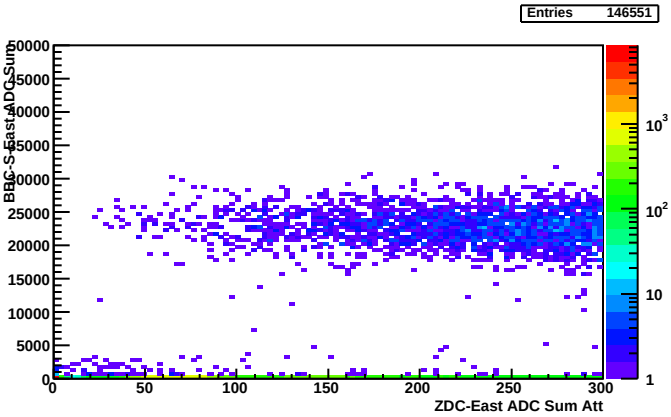
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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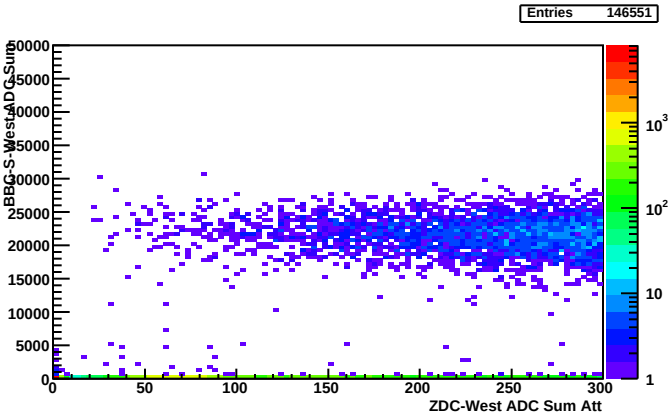
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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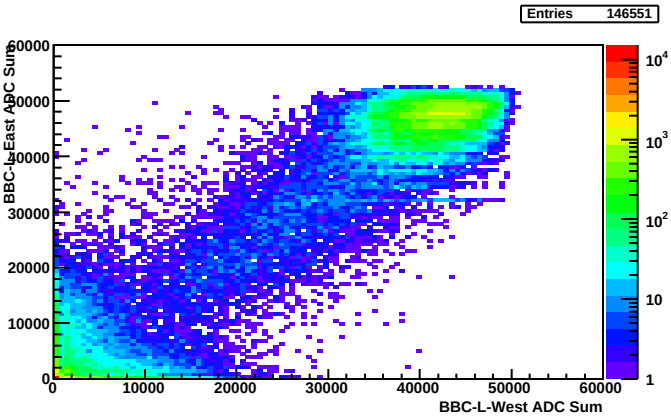
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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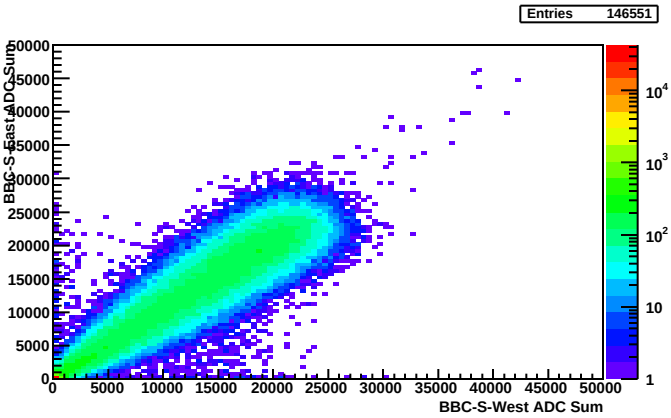
BBC-L-East ADC Sum
BBC-L-West ADC Sum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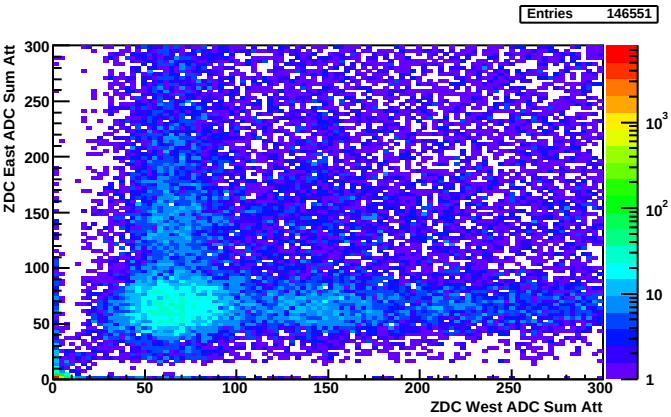
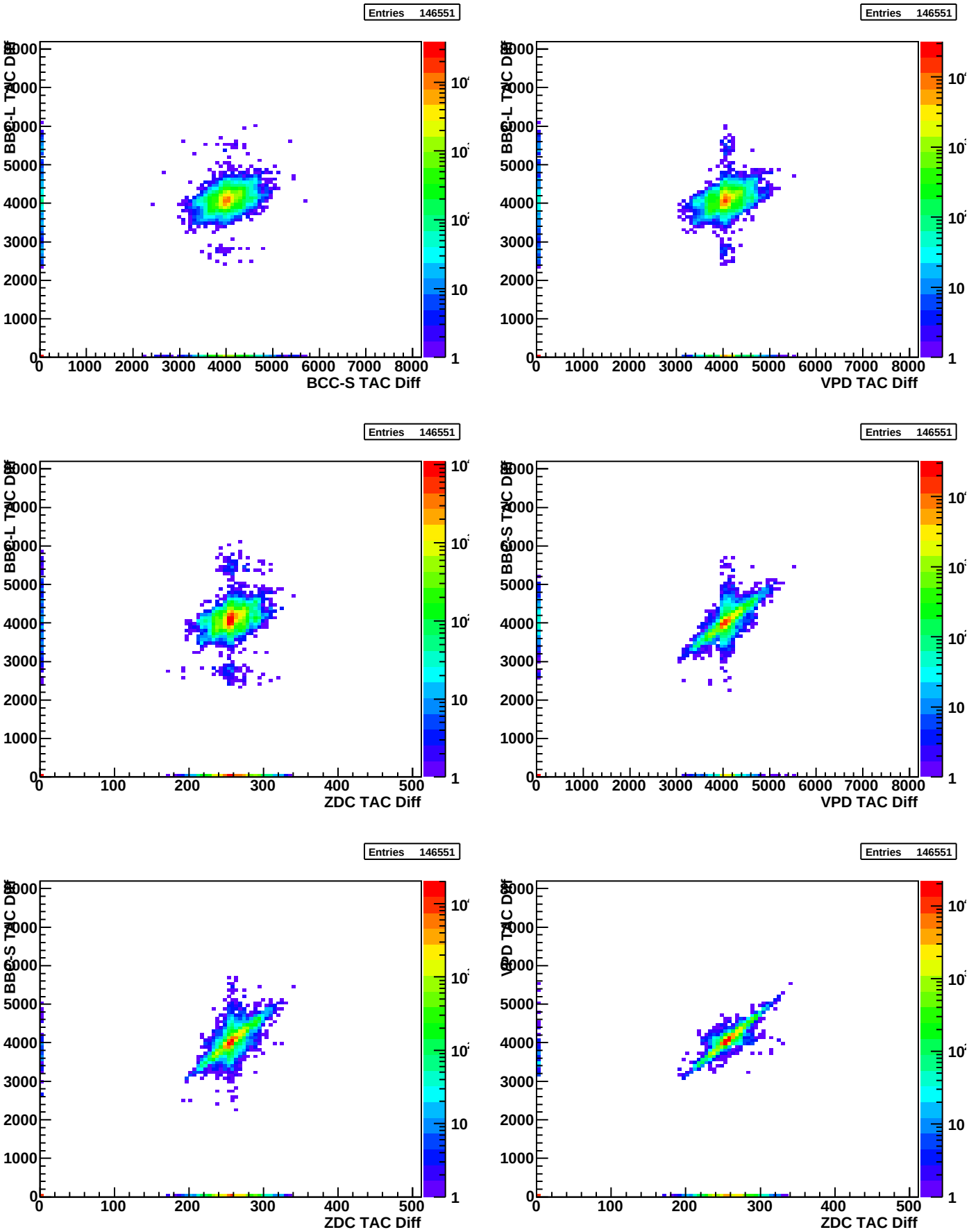
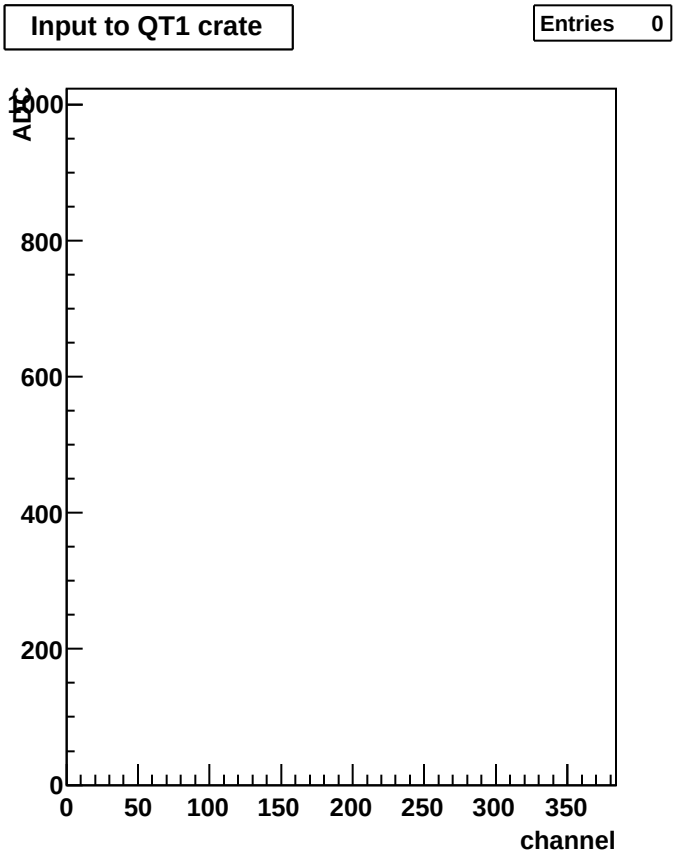
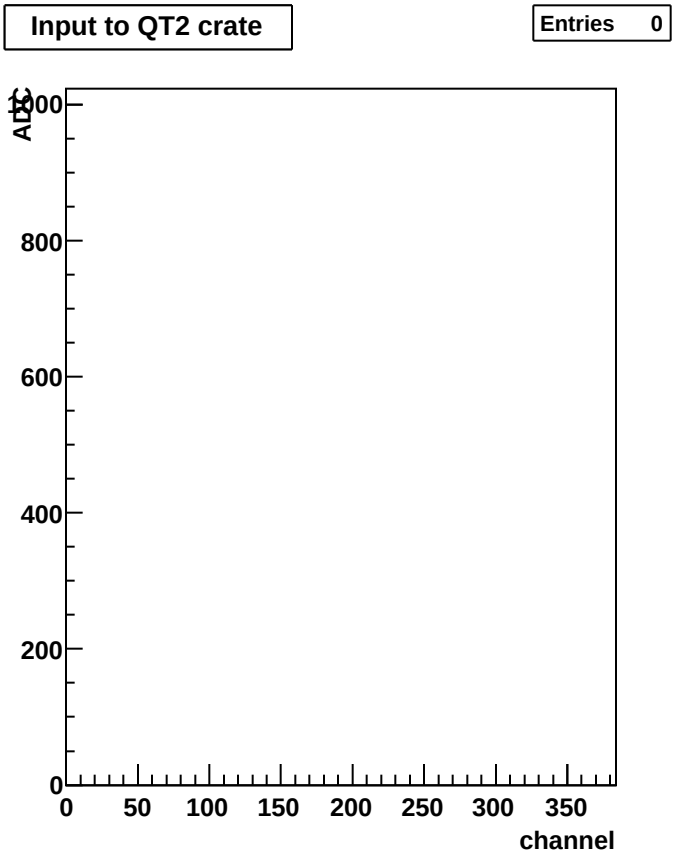
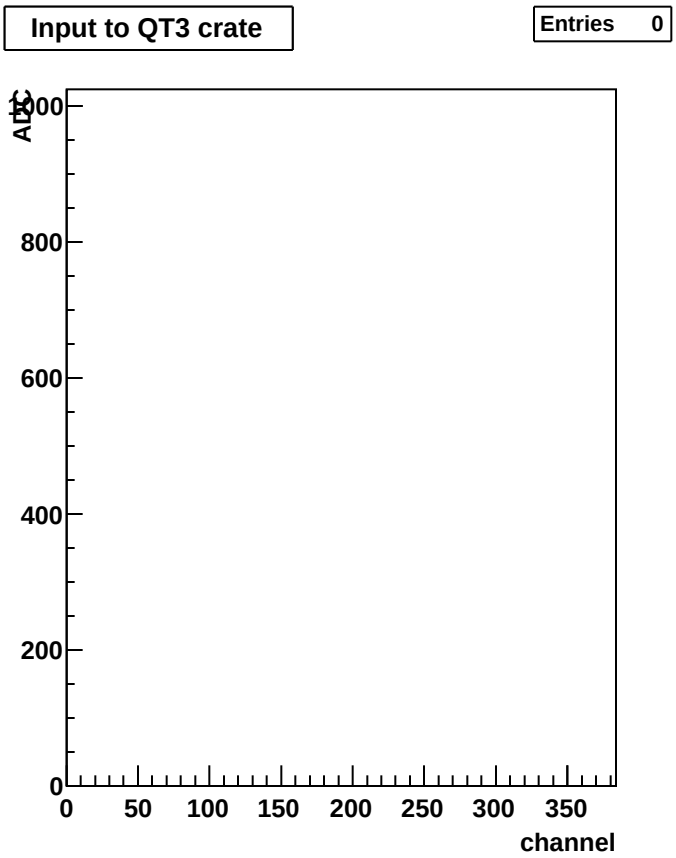
BBC-S-East ADC Sum
BBC-S-West ADC Sum

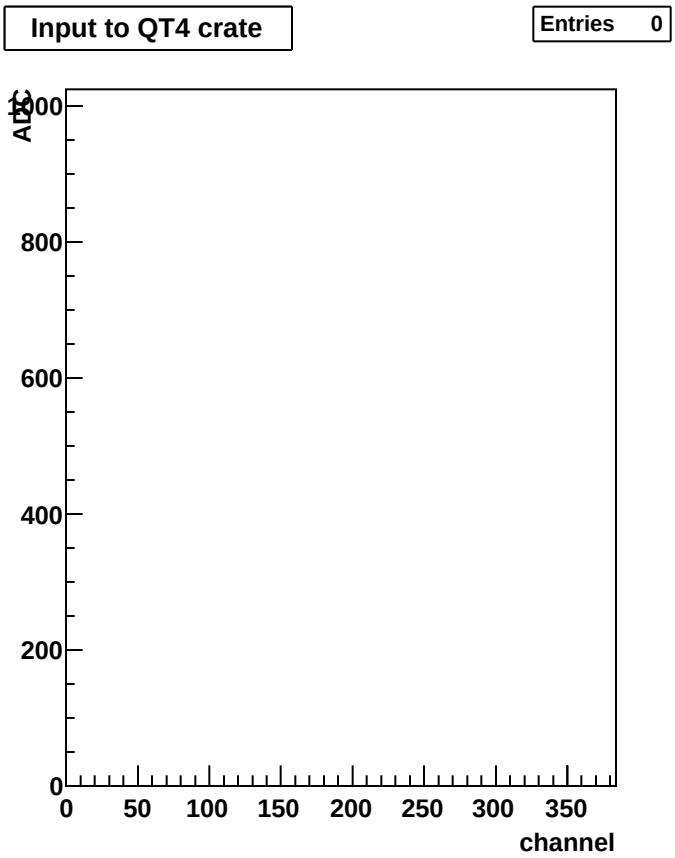

Entries 146551
ZDC East ADC Sum Att
ZDC West ADC Sum Att

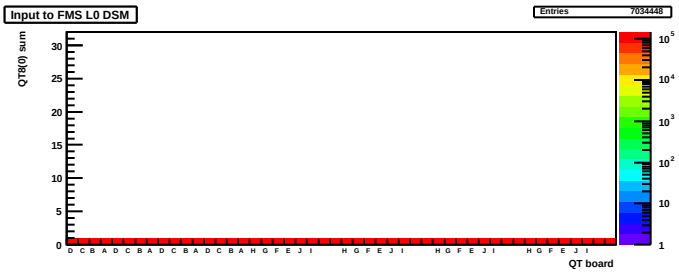

Entries 146551
BBC-L TAC Diff
BCC-S TAC Diff
Entries 146551
BBC-L TAC Diff
VPD TAC Diff
Entries 146551
BBC-L TAC Diff
ZDC TAC Diff
Entries 146551
BBC-S TAC Diff
VPD TAC Diff
Entries 146551
BBC-S TAC Diff
ZDC TAC Diff
Entries 146551
VPD TAC Diff
ZDC TAC Diff

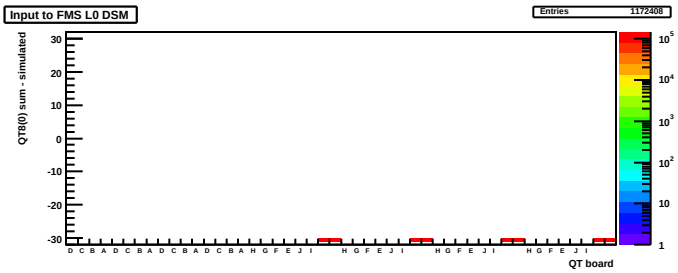

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

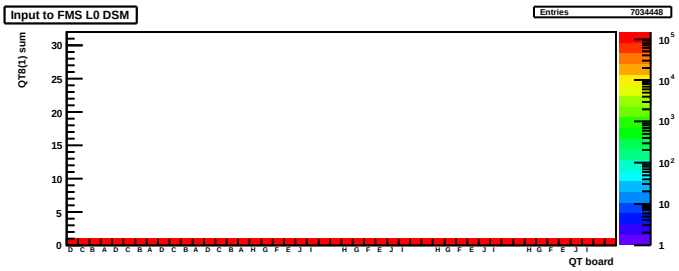

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

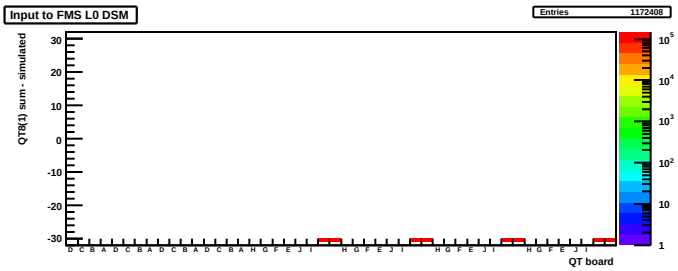

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

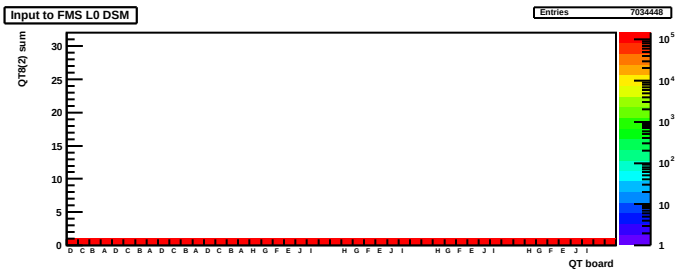

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

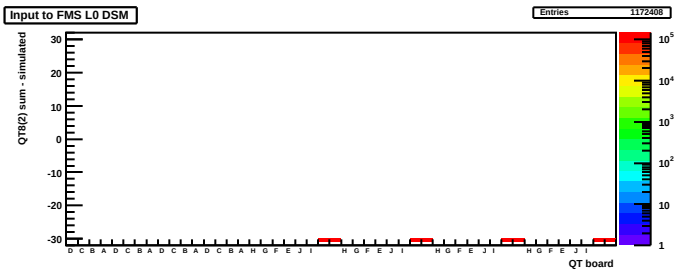

Input to FMS L0 DSM
Entries 7034448
QT8(0) sum
QT board

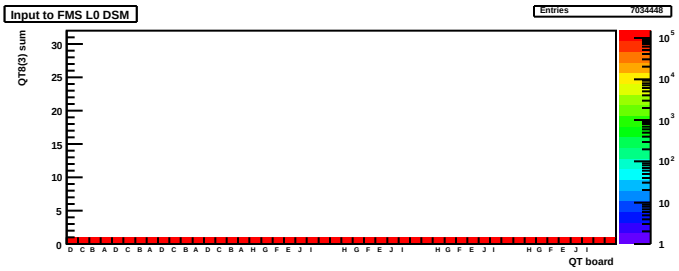

Input to FMS L0 DSM
Entries 1172408
QT8(0) sum - simulated
QT board

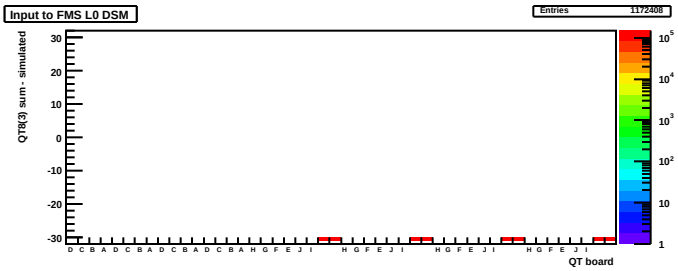

Input to FMS L0 DSM
Entries 7034448
QT8(1) sum
QT board

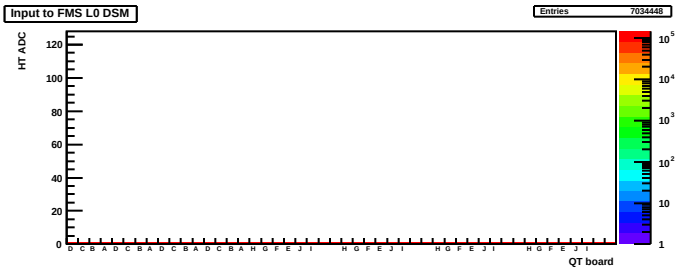

Input to FMS L0 DSM
Entries 1172408
QT8(1) sum - simulated
QT board

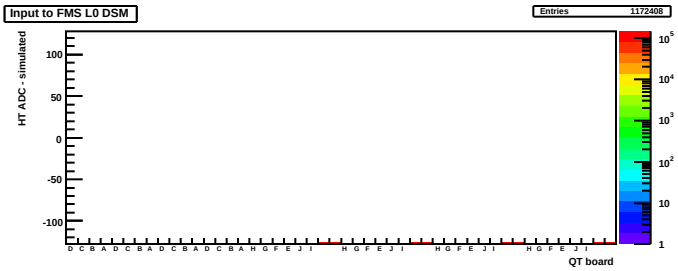

Input to FMS L0 DSM
Entries 7034448
QT8(2) sum
QT board

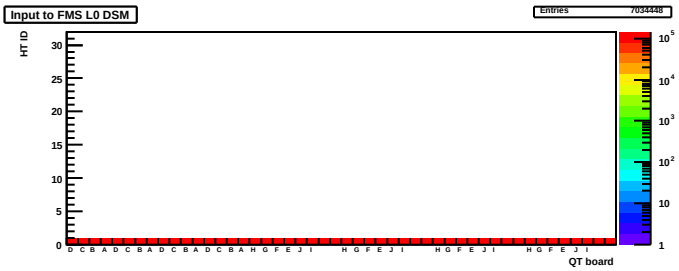

Input to FMS L0 DSM
Entries 1172408
QT8(2) sum - simulated
QT board

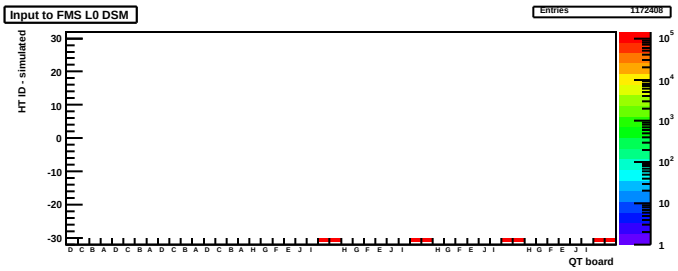

Input to FMS L0 DSM
Entries 7034448
QT8(3) sum
QT board

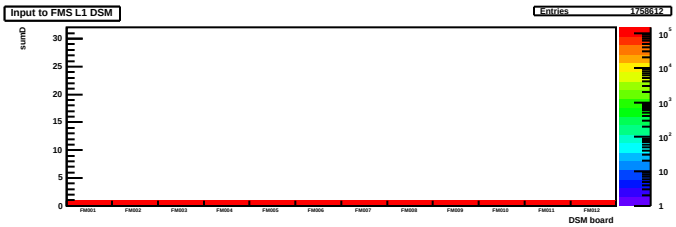

Input to FMS L0 DSM
Entries 1172408
QT8(3) sum - simulated
QT board

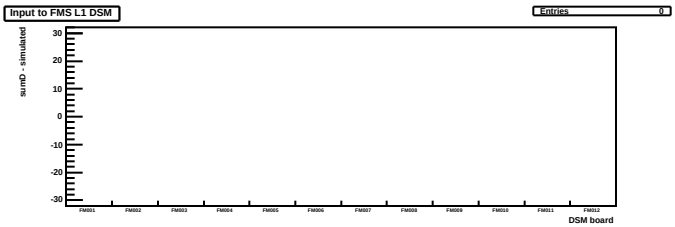

Input to FMS L0 DSM
Entries 7034448
HT ADC
QT board

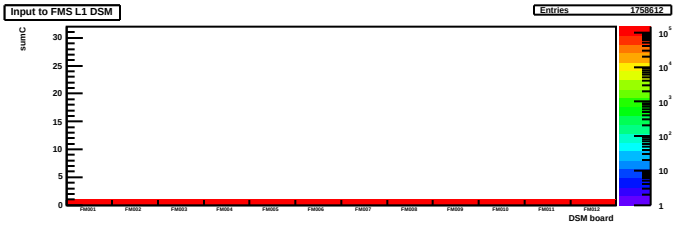

Input to FMS L0 DSM
Entries 1172408
HT ADC - simulated
QT board

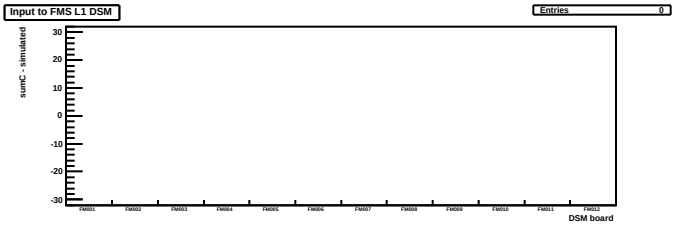

Input to FMS L0 DSM
Entries 7034448
HT ID
QT board

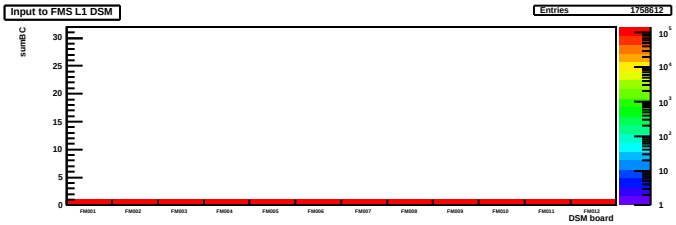

Input to FMS L0 DSM
Entries 1172408
HT ID - simulated
QT board

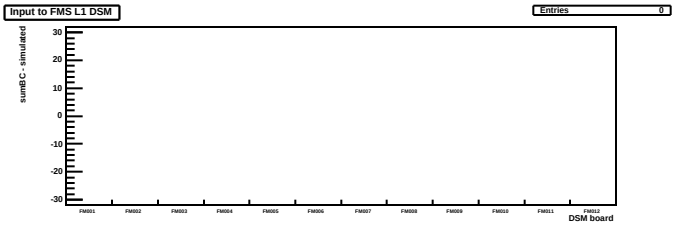

Input to FMS L1 DSM
Entries 1758612
sumD
DSM board

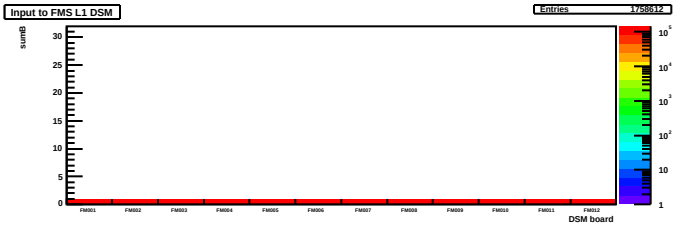

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

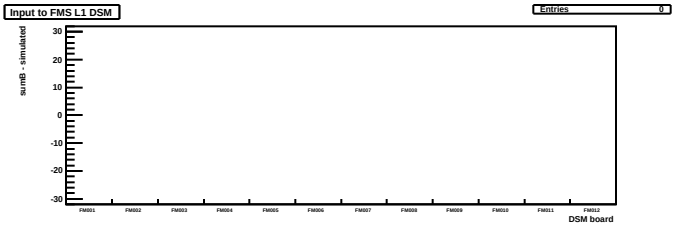

Input to FMS L1 DSM
Entries 1758612
sumC
DSM board

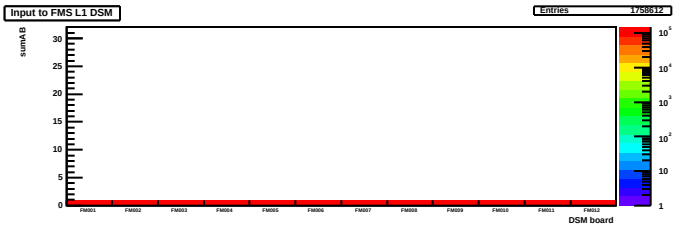

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

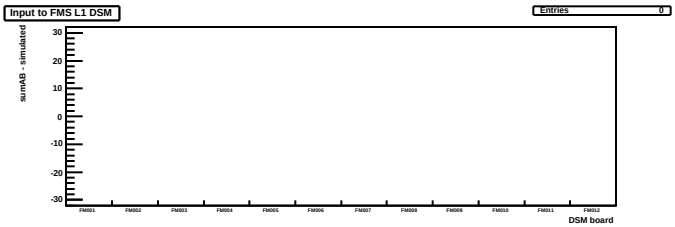

Input to FMS L1 DSM
Entries 1758612
sumBC
DSM board

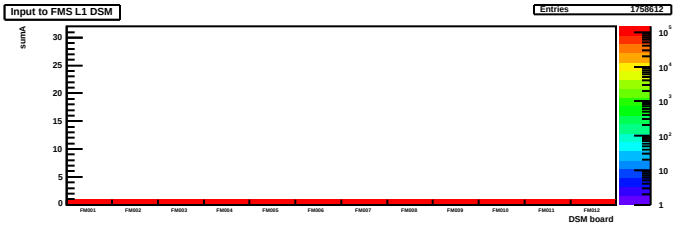

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

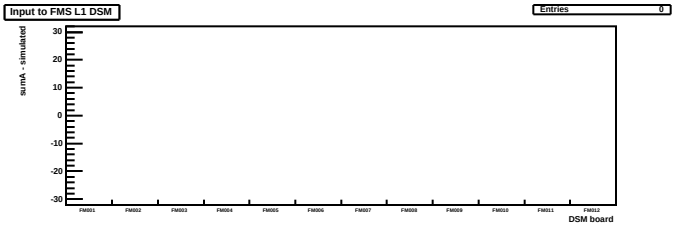

Input to FMS L1 DSM
Entries 1758612
sumB
DSM board

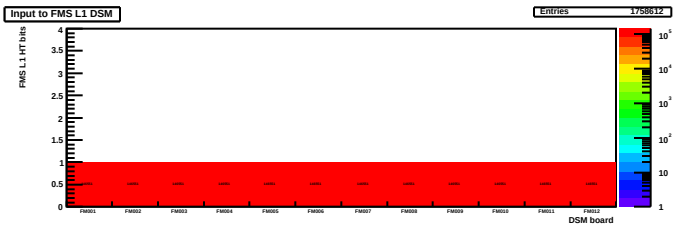

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

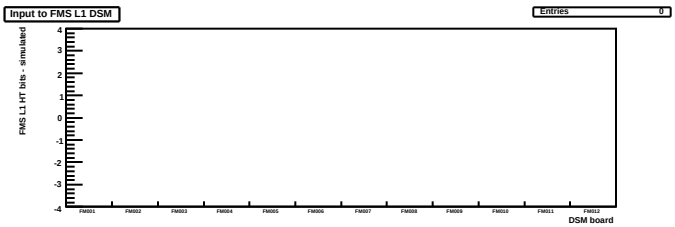

Input to FMS L1 DSM
Entries 1758612
sumAB
DSM board

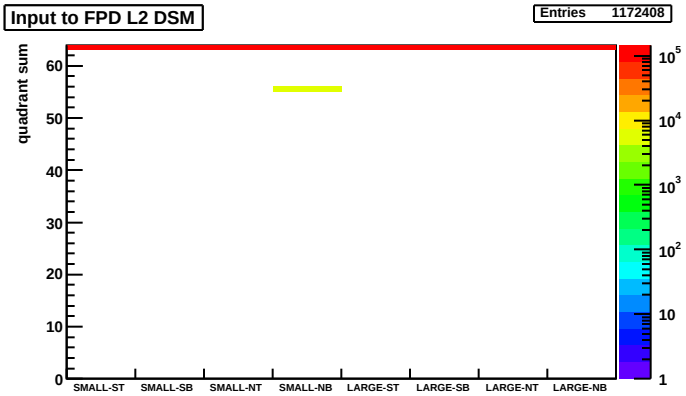

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

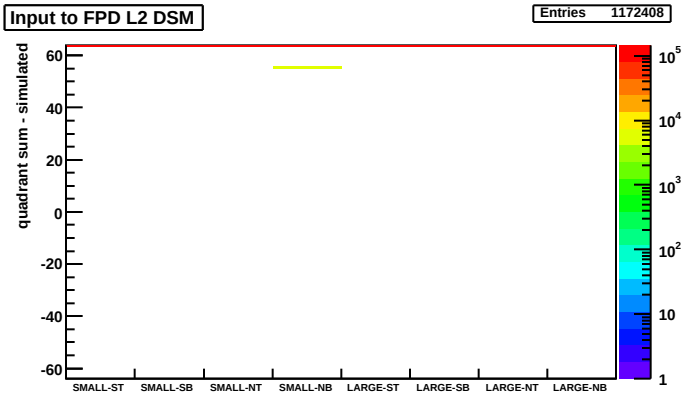

Input to FMS L1 DSM
Entries 1758612
sumA
DSM board

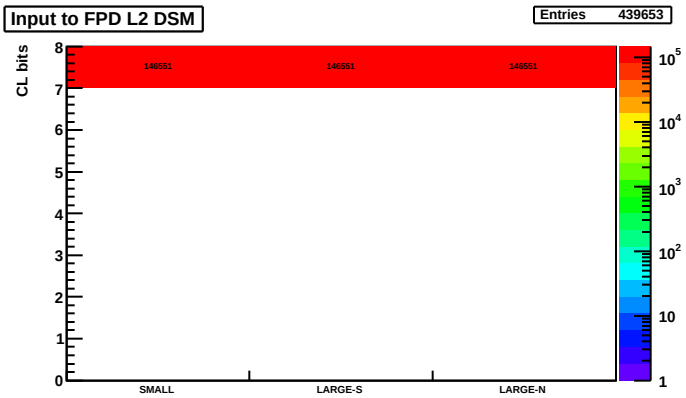

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

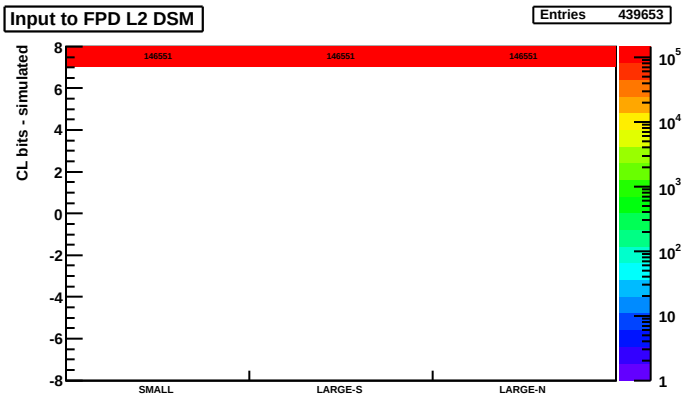

Input to FMS L1 DSM
Entries 1758612
FMS L1 HT bits
DSM board

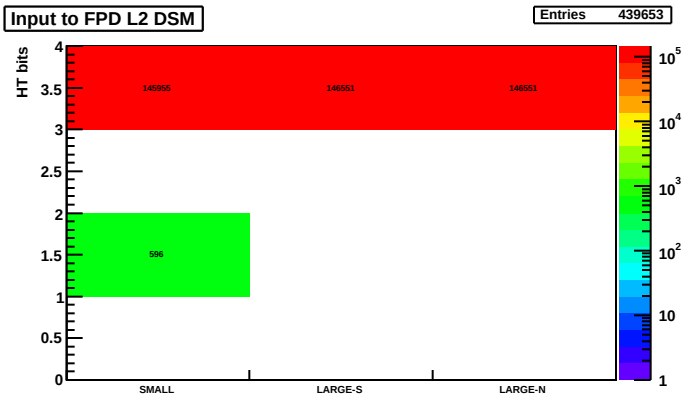

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

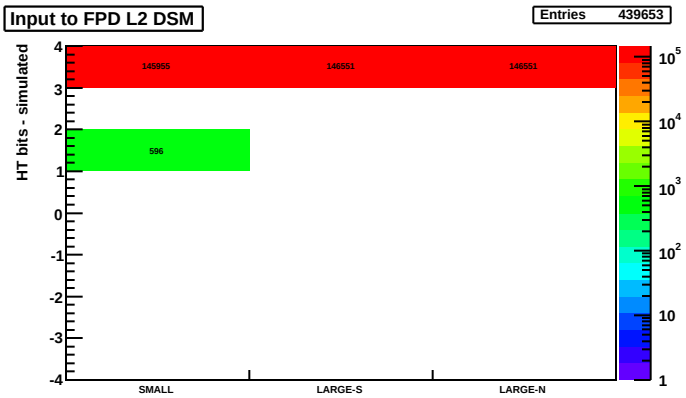

Input to FPD L2 DSM
Entries 1172408
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

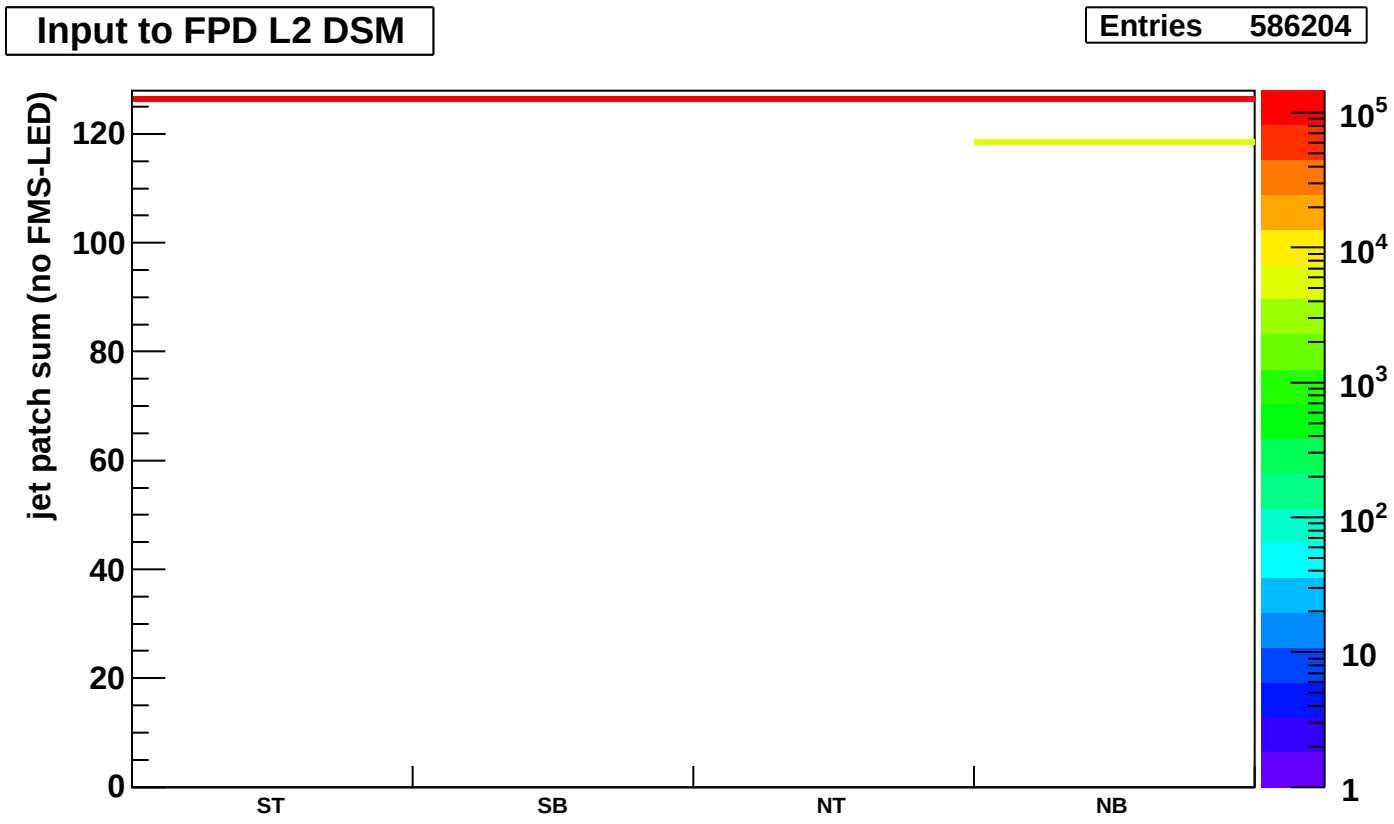

Input to FPD L2 DSM
Entries 1172408
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

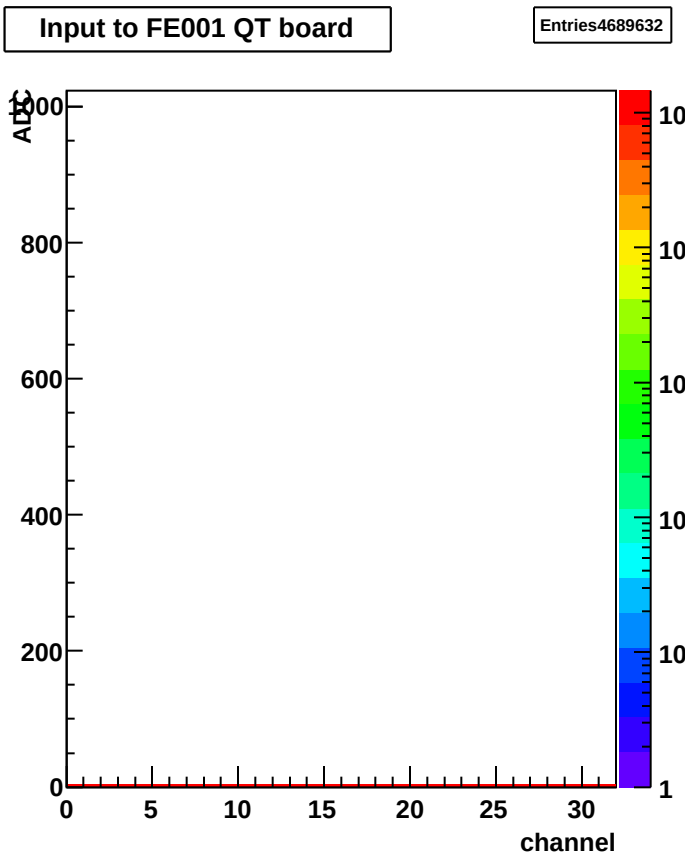

Input to FPD L2 DSM
Entries 439653
CL bits
146551
146551
146551
SMALL
LARGE-S
LARGE-N

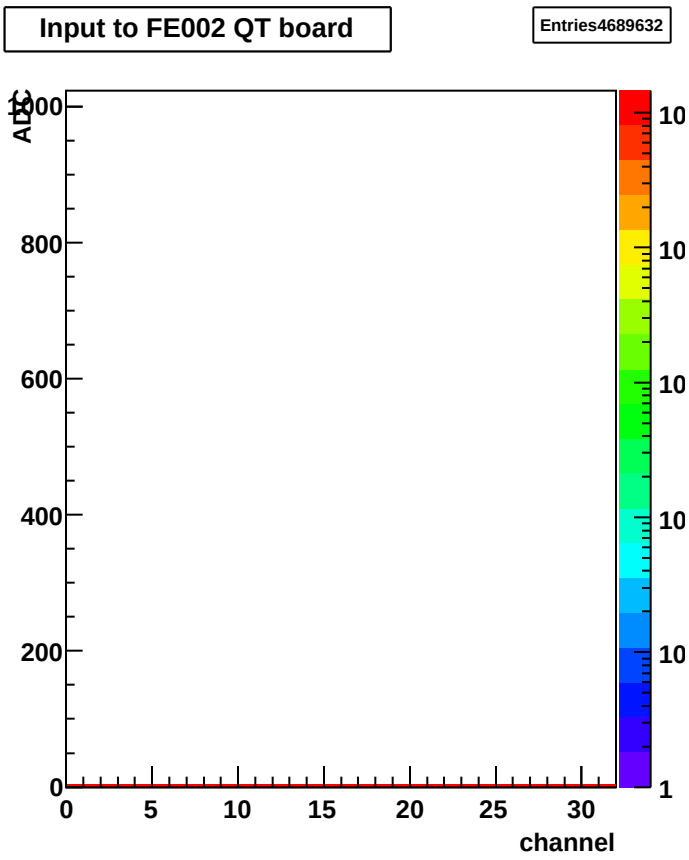

Input to FPD L2 DSM
Entries 439653
CL bits - simulated
146551
146551
146551
SMALL
LARGE-S
LARGE-N

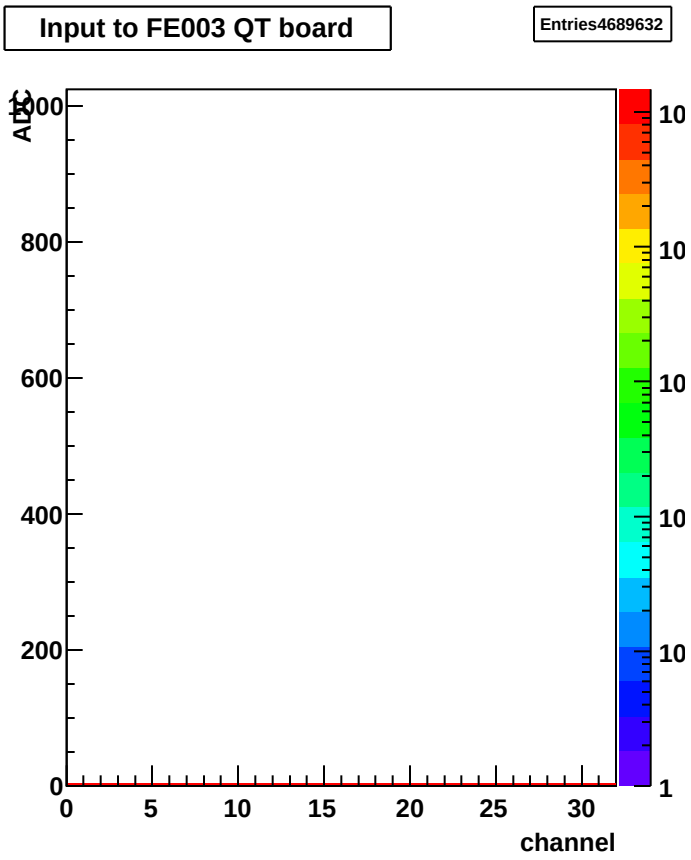

Input to FPD L2 DSM
Entries 439653
HT bits
145955
146551
146551
596
SMALL
LARGE-S
LARGE-N

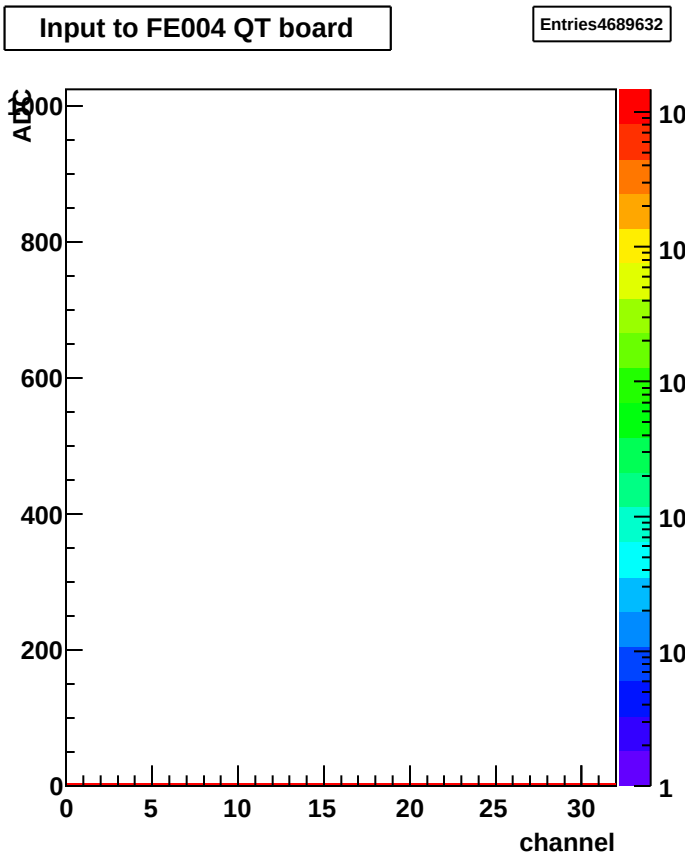

Input to FPD L2 DSM
Entries 439653
HT bits - simulated
145955
146551
146551
596
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 586204
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
10^5

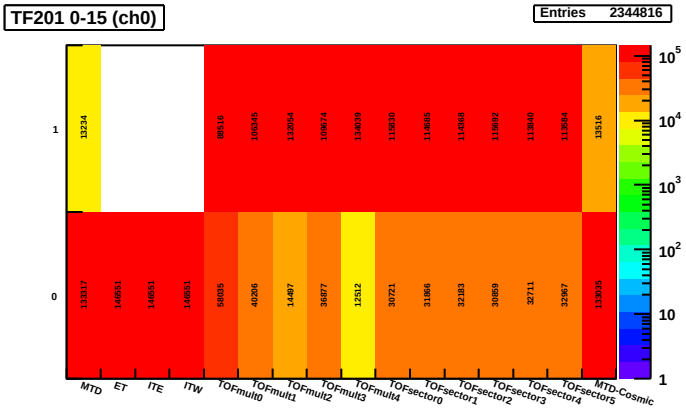

Input to FE001 QT board
Entries4689632
ADC
channel


Input to FE002 QT board
Entries4689632
ADC
channel

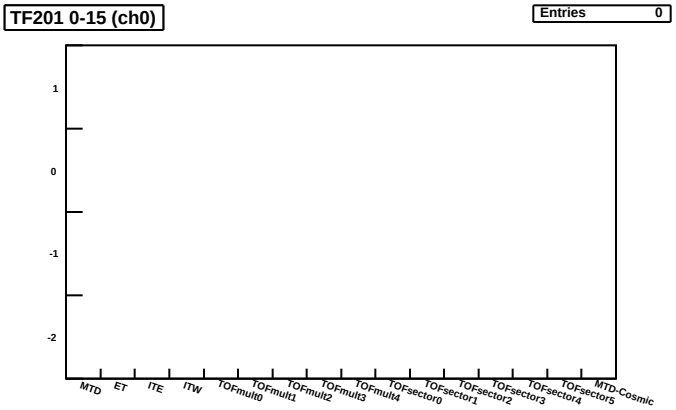

Input to FE003 QT board
Entries4689632
ADC
channel


Input to FE004 QT board
Entries4689632
ADC
channel

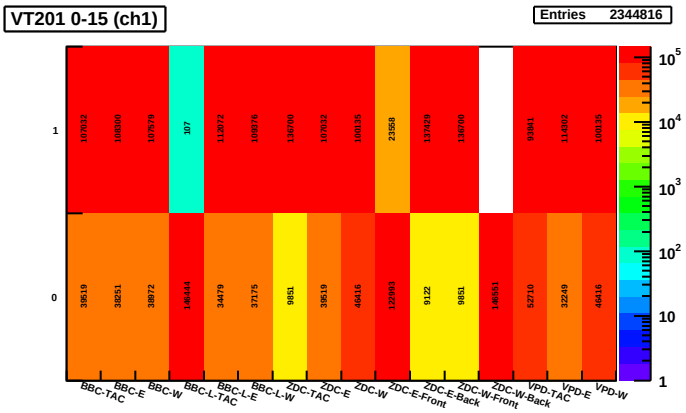
TF201 0-15 (ch0)



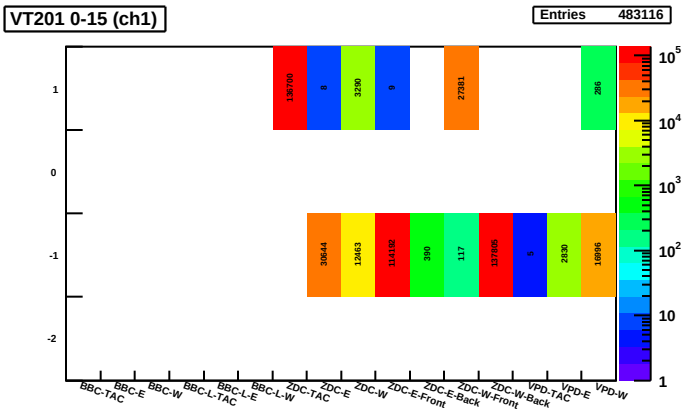
TF201 0-15 (ch0)



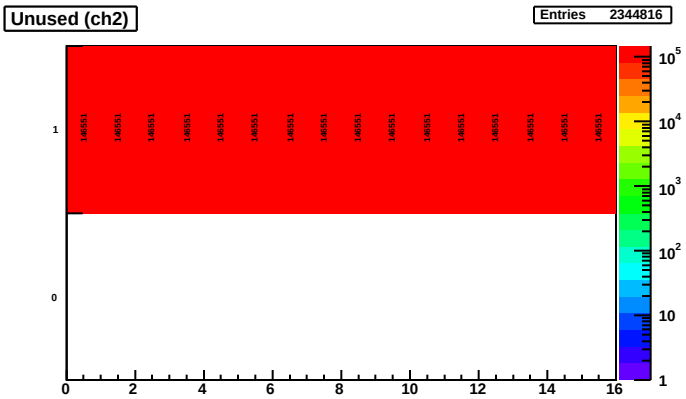
VT201 0-15 (ch1)

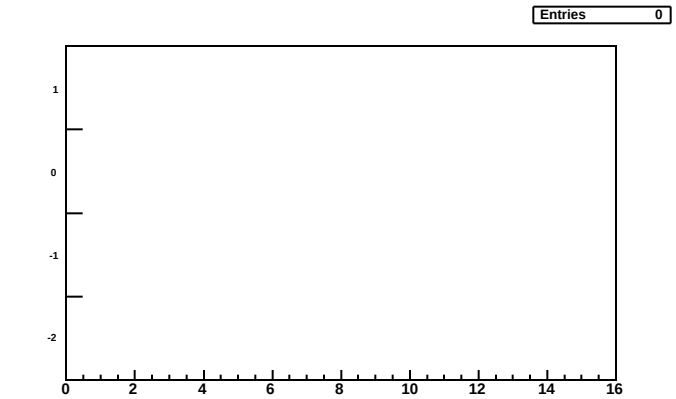


VT201 0-15 (ch1)

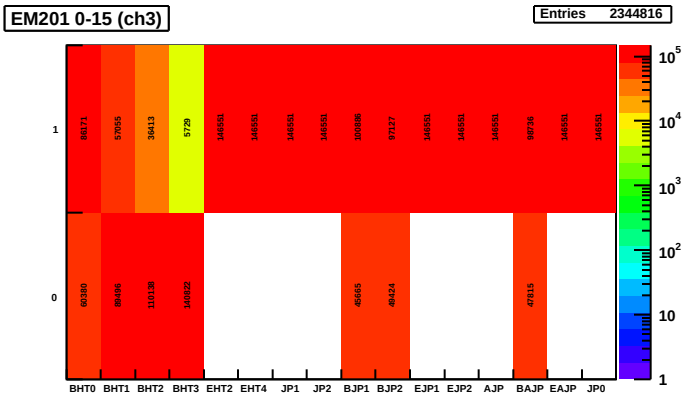


Unused (ch2)

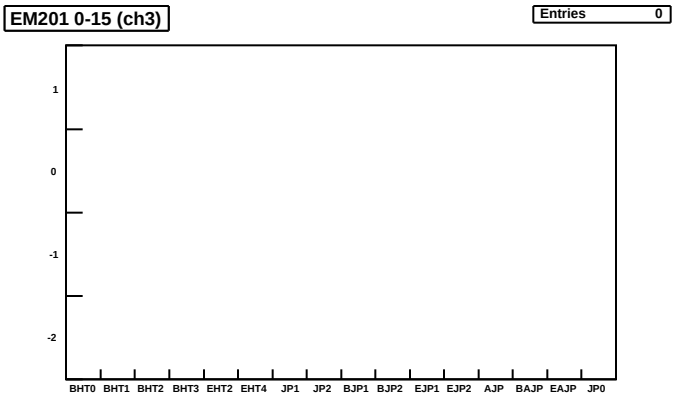




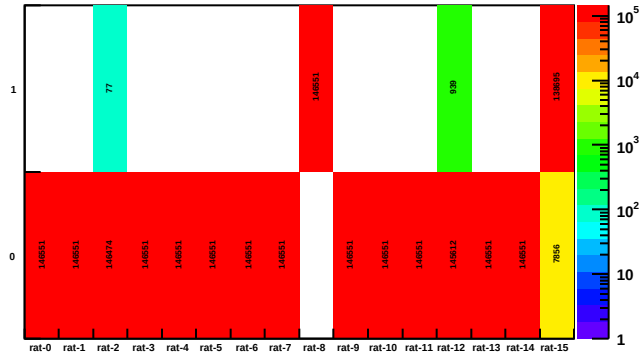
EM201 0-15 (ch3)

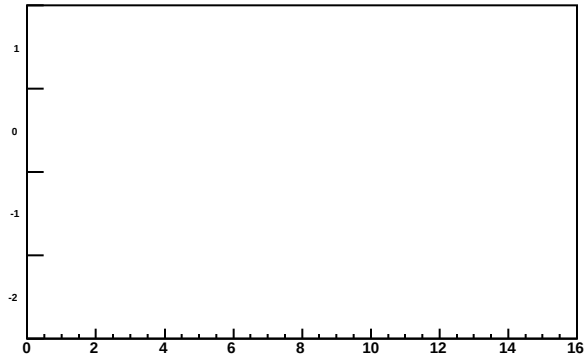


EM201 0-15 (ch3)

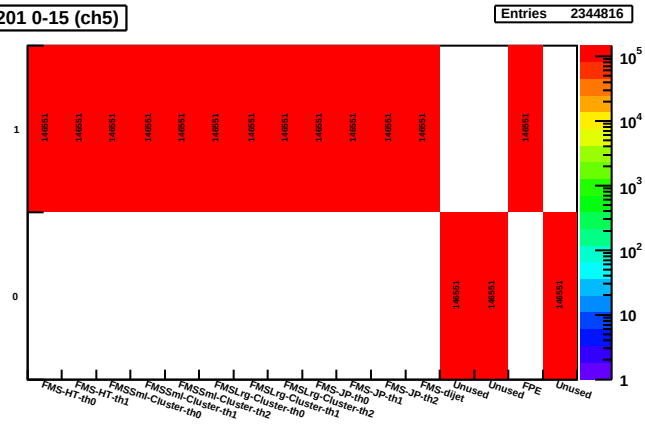


RAT board (ch4)

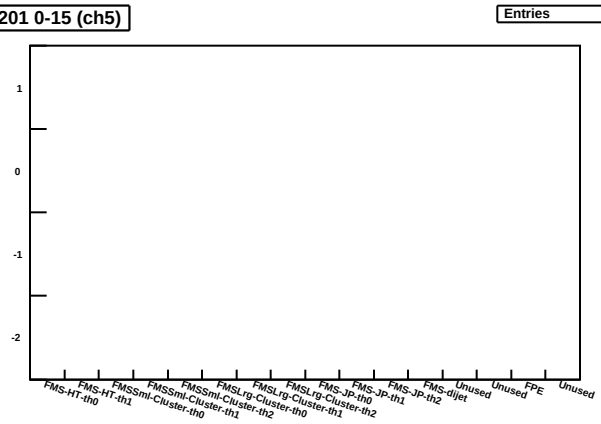




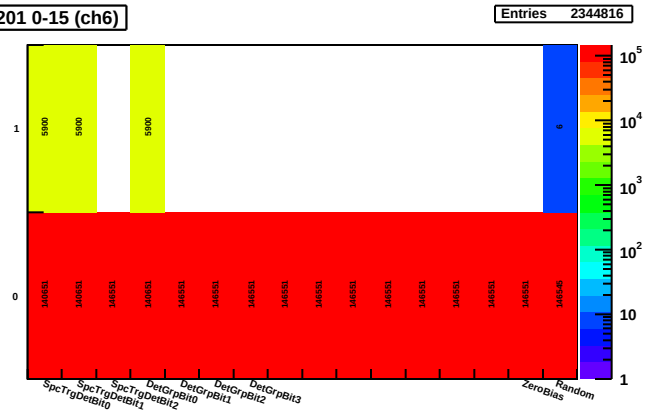
FP201 0-15 (ch5)

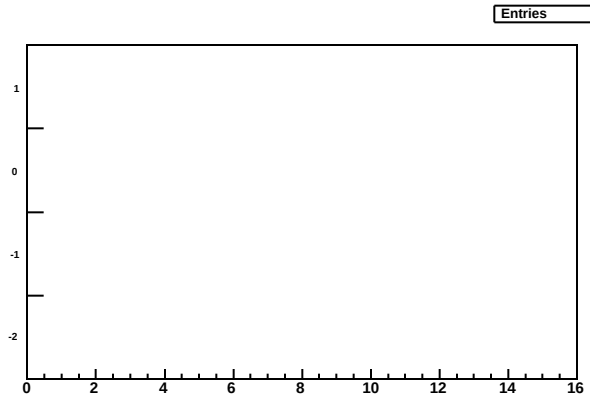
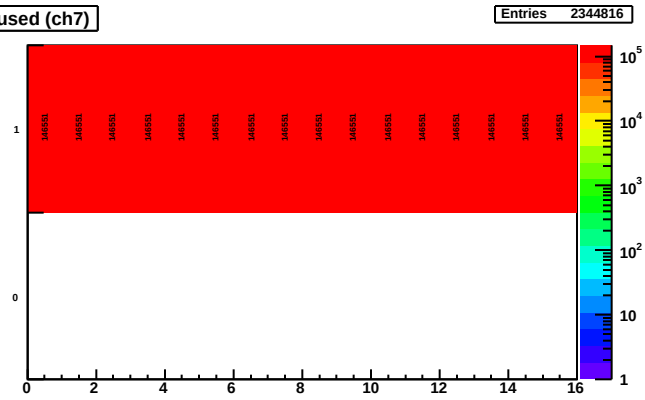
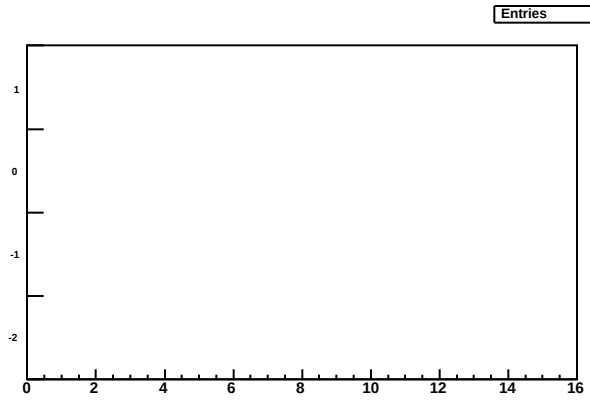


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)