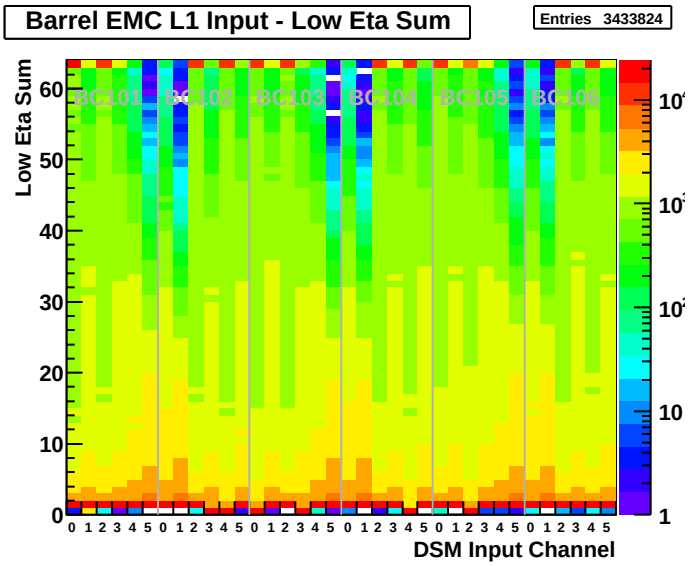
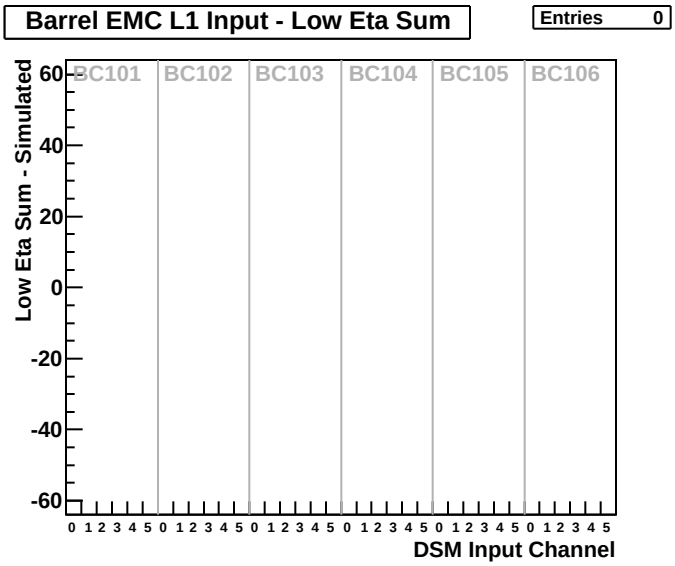
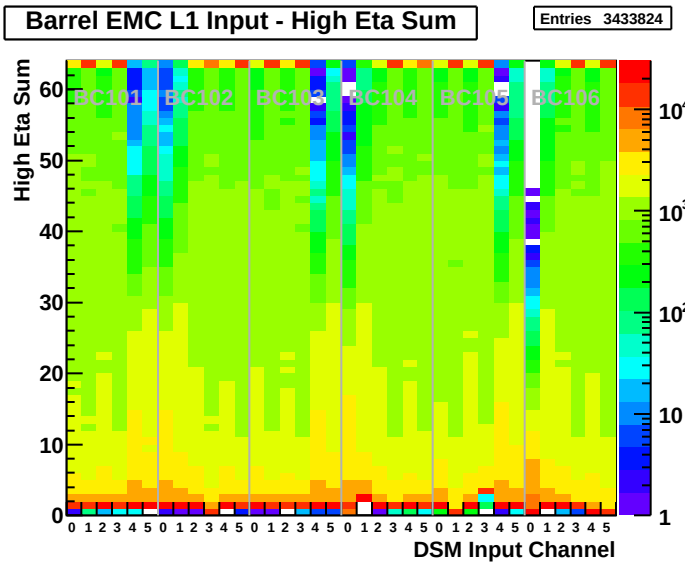
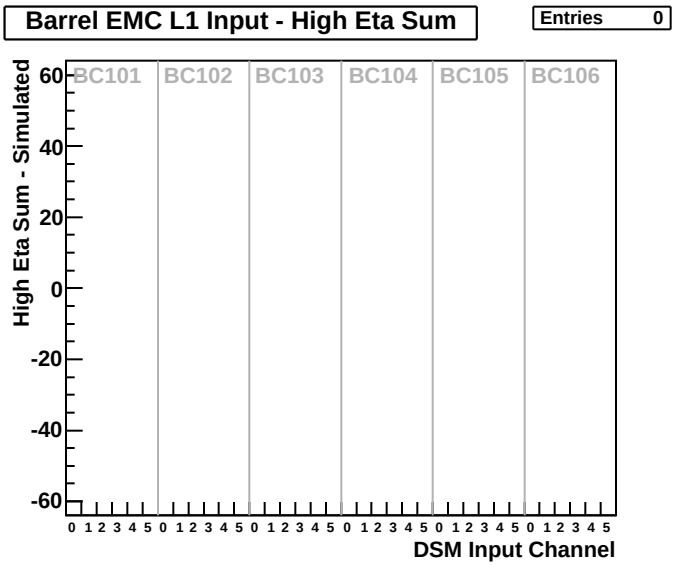
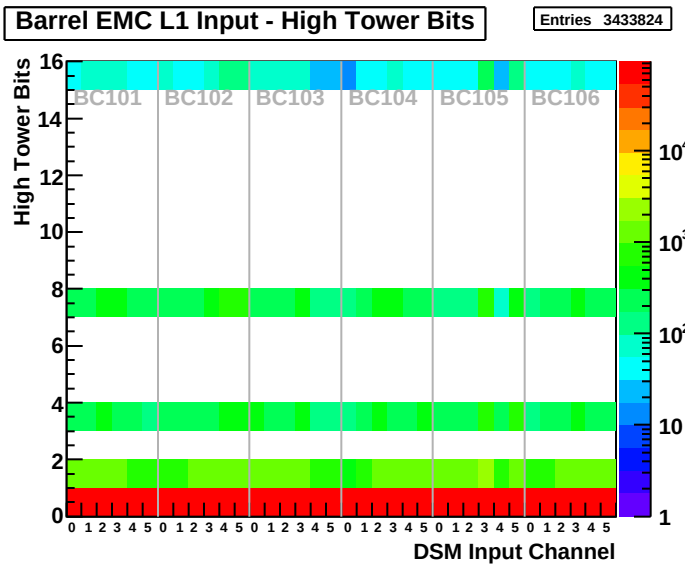
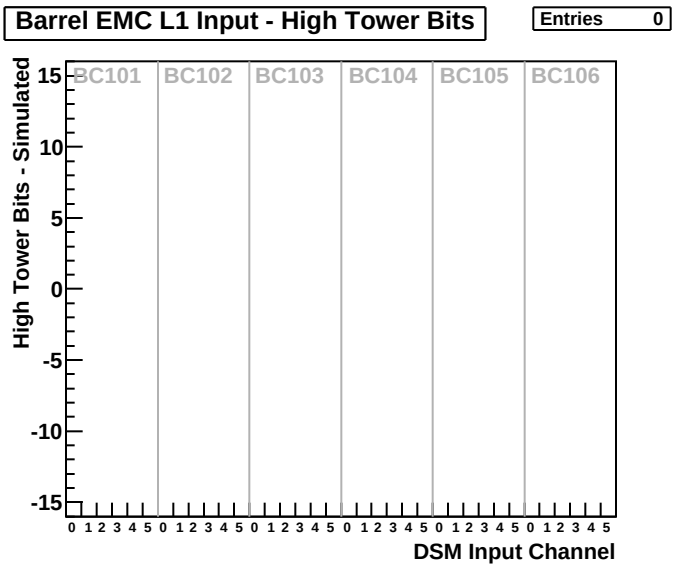

Barrel EMC L1 Input - Low Eta Sum
Entries 3433824
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

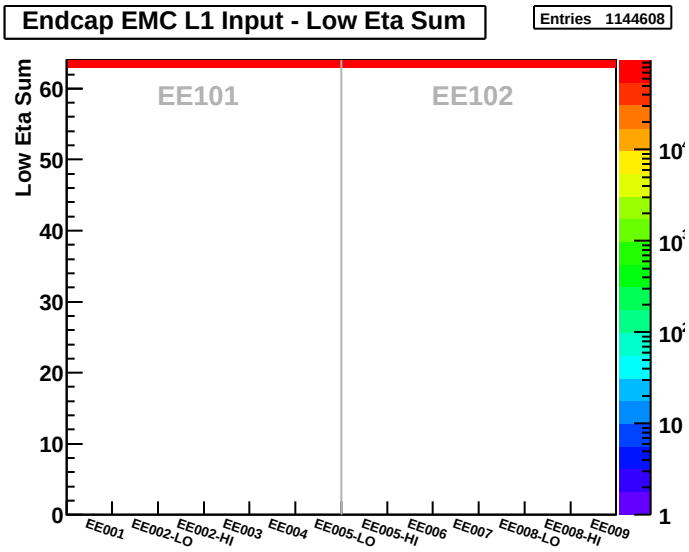

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

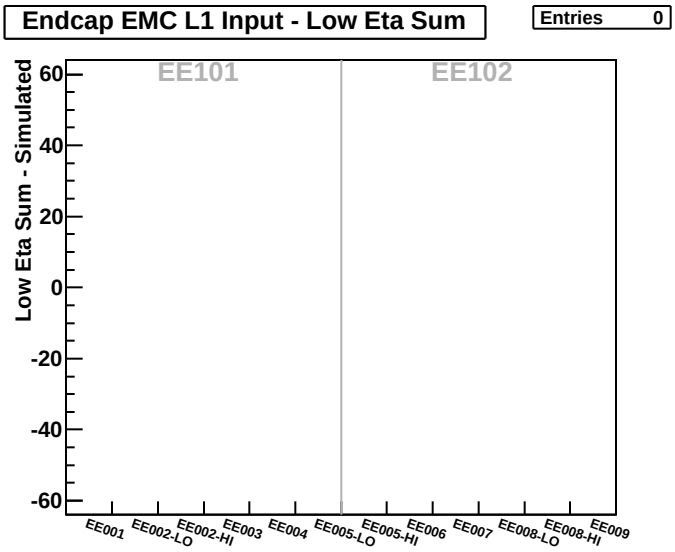

Barrel EMC L1 Input - High Eta Sum
Entries 3433824
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

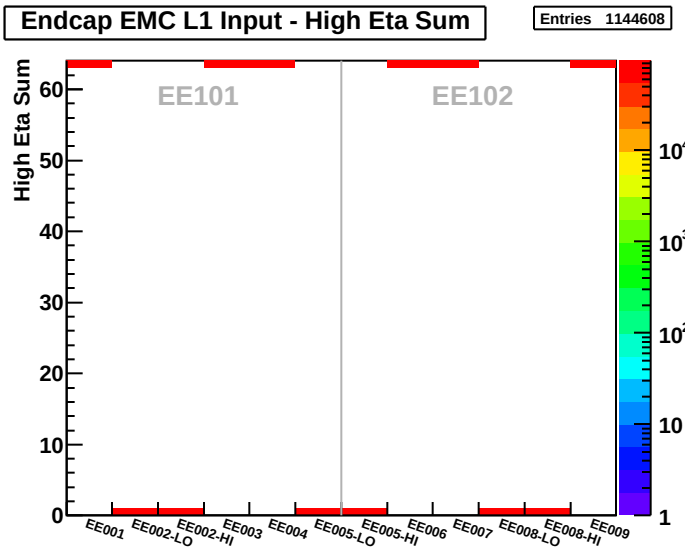

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

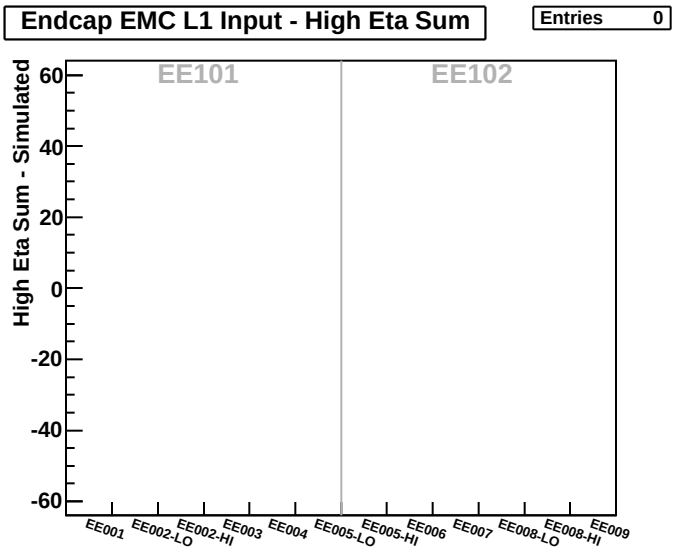

Barrel EMC L1 Input - High Tower Bits
Entries 3433824
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

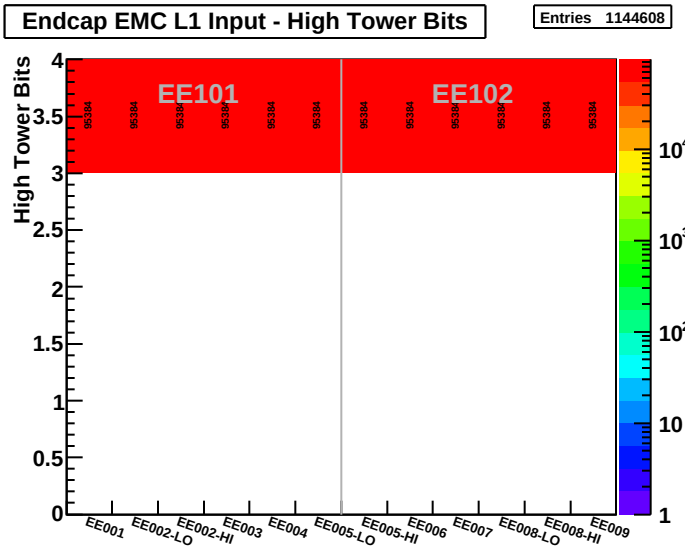

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

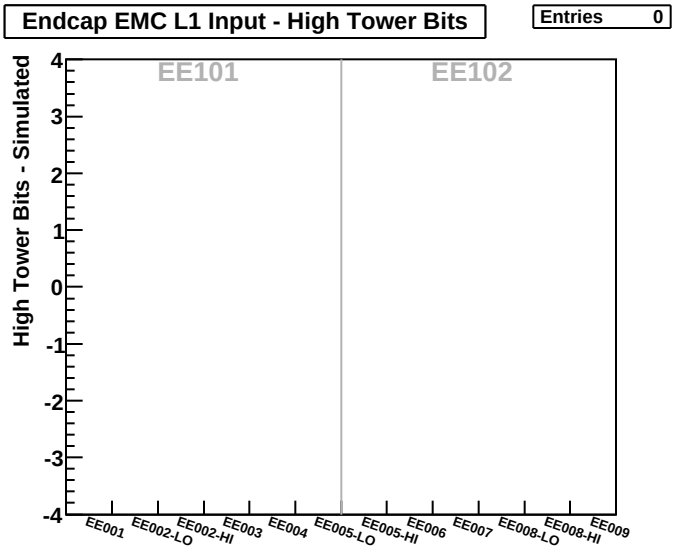

Endcap EMC L1 Input - Low Eta Sum
Entries 1144608
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

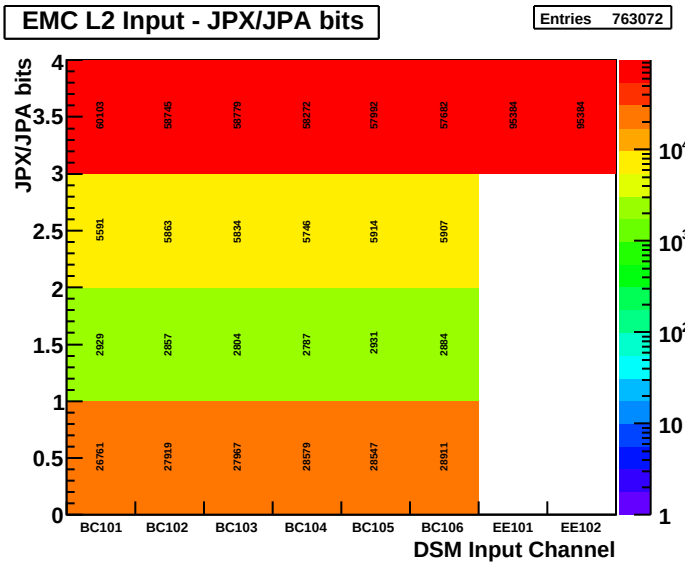

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

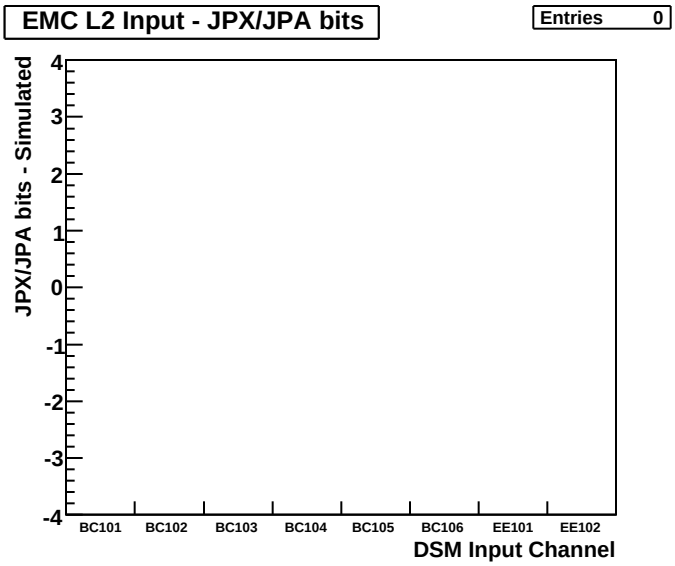

Endcap EMC L1 Input - High Eta Sum
Entries 1144608
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

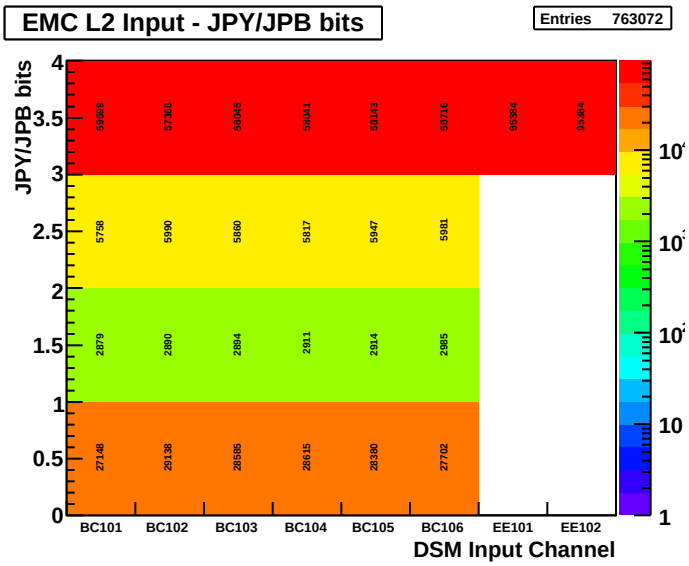

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

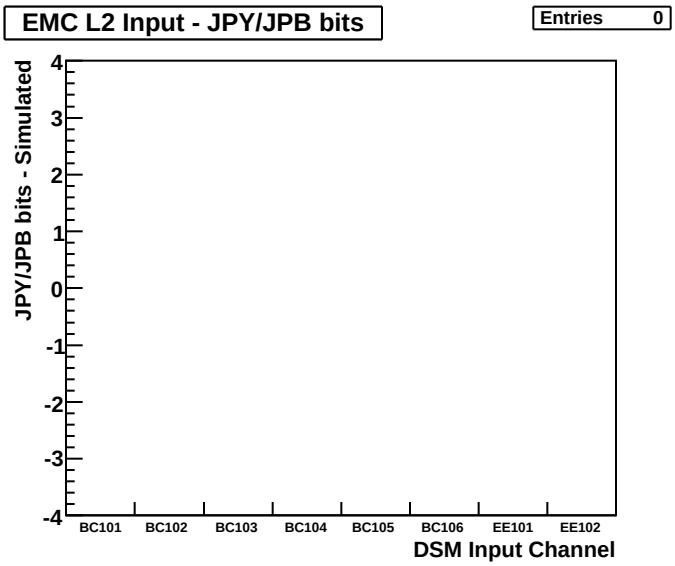

Endcap EMC L1 Input - High Tower Bits
Entries 1144608
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

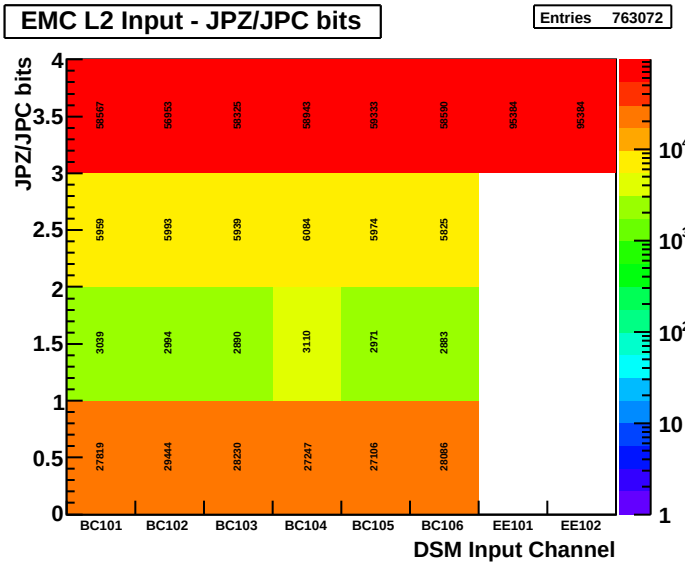

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

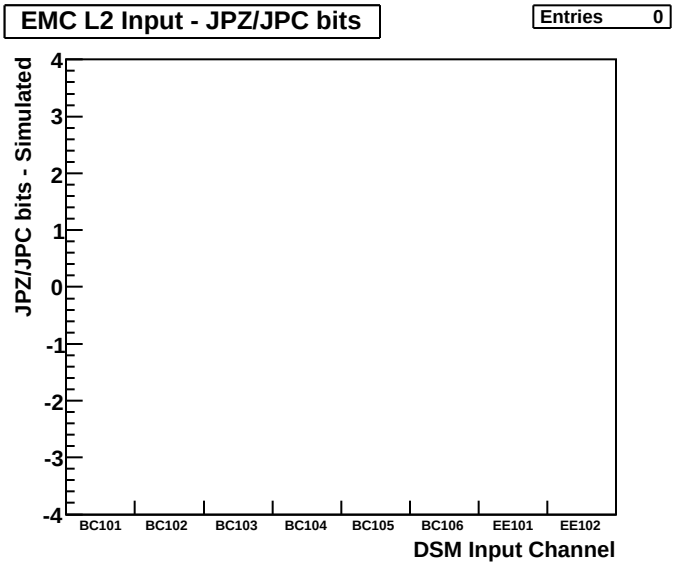

EMC L2 Input - JPX/JPA bits
Entries 763072
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
60103 58745 58779 58272 57992 57682 95384 95384
5591 5863 5834 5746 5914 5907
2929 2857 2804 2787 2931 2884
26761 27919 27967 28579 28547 28911

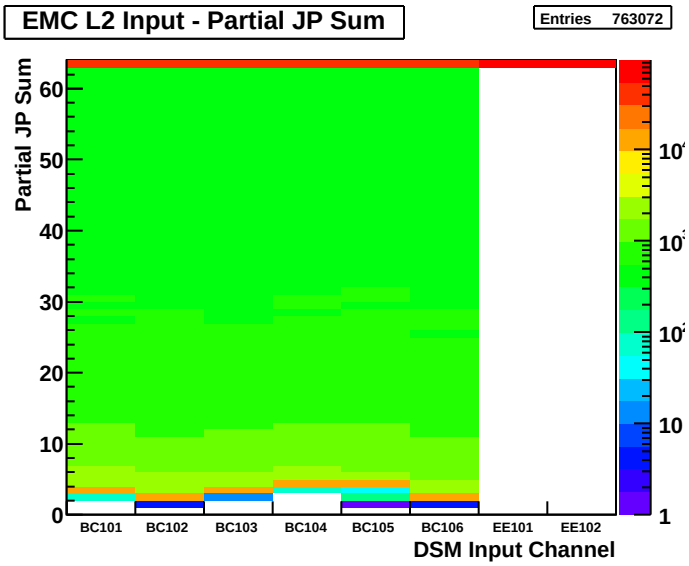

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

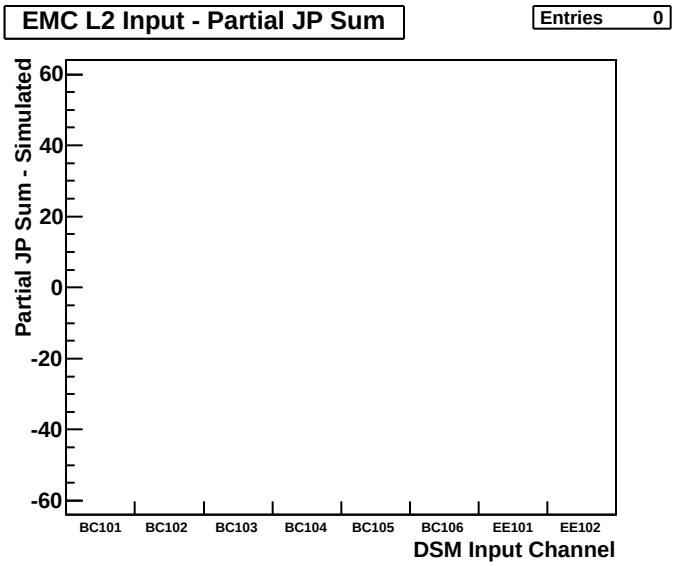

EMC L2 Input - JPY/JPB bits
Entries 763072
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
59599 57366 58045 58041 58143 58716 95384 95384
5758 5990 5860 5817 5947 5981
2879 2890 2894 2911 2914 2985
27148 29138 28585 28615 28380 27702

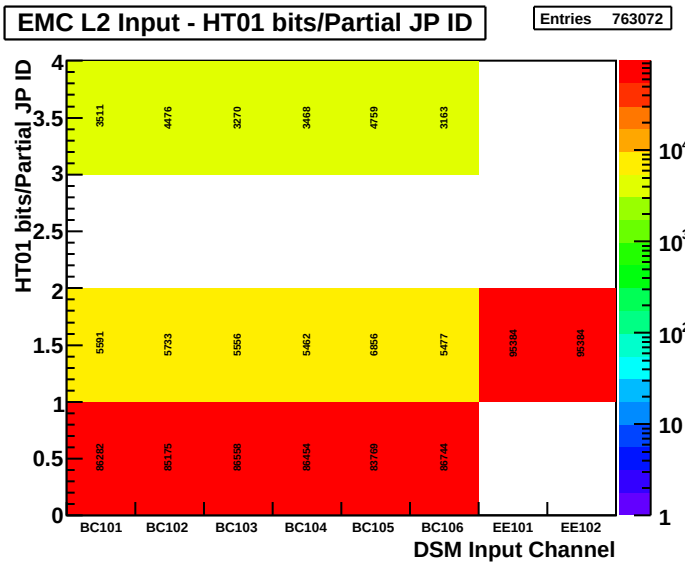

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

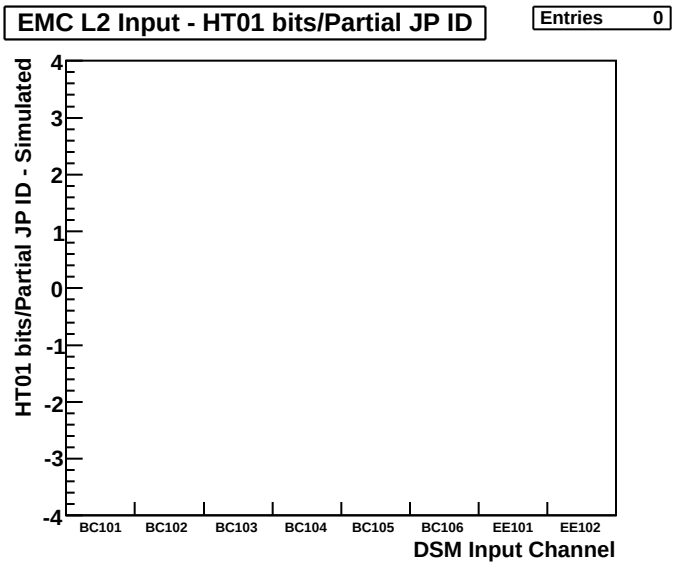

EMC L2 Input - JPZ/JPC bits
Entries 763072
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
58567 56953 58325 58943 59333 58590 95384 95384
5959 5993 5939 6084 5974 5825
3039 2994 2880 3110 2971 2883
27819 29444 28230 27247 27106 28086

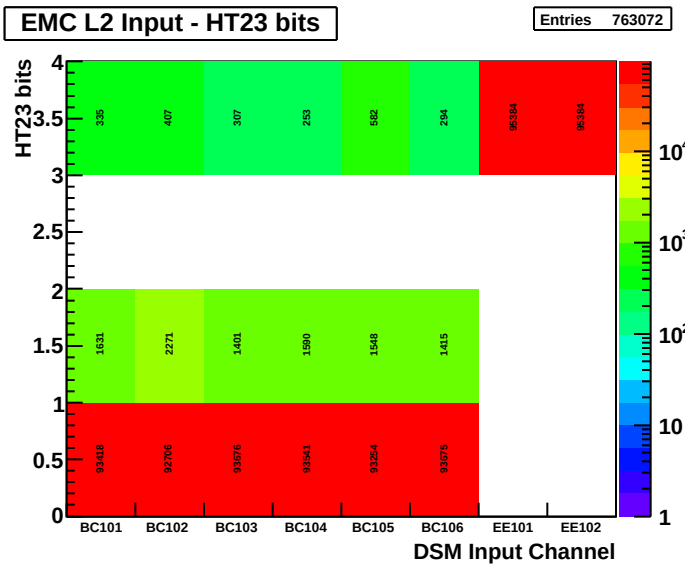

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

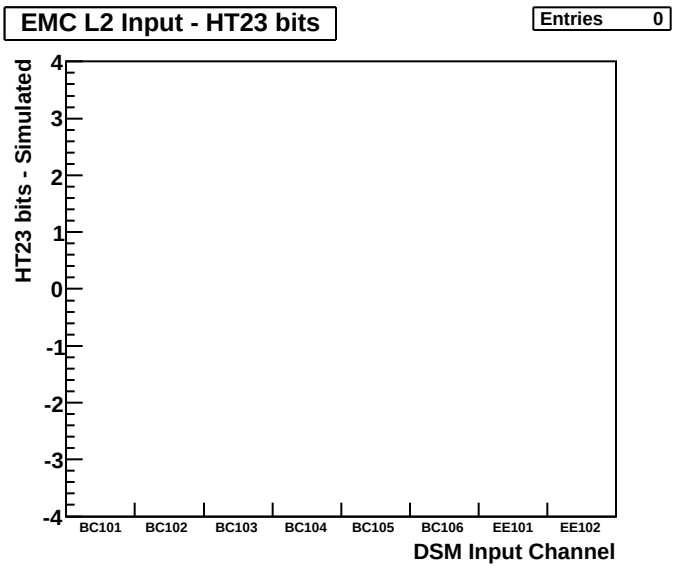

EMC L2 Input - Partial JP Sum
Entries 763072
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

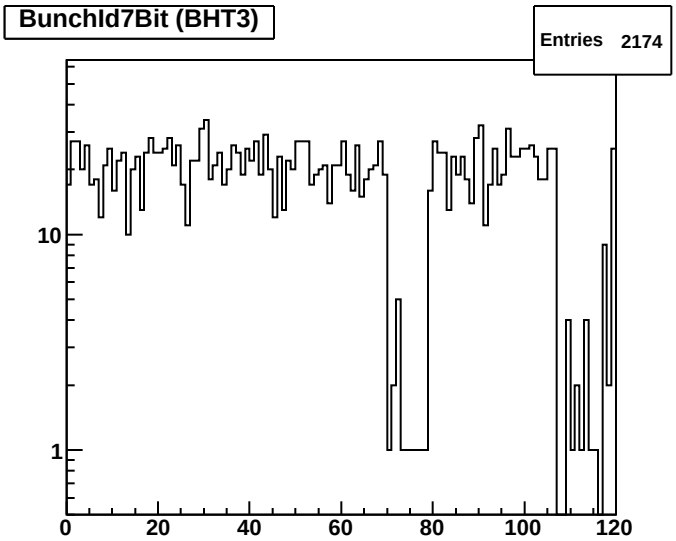

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

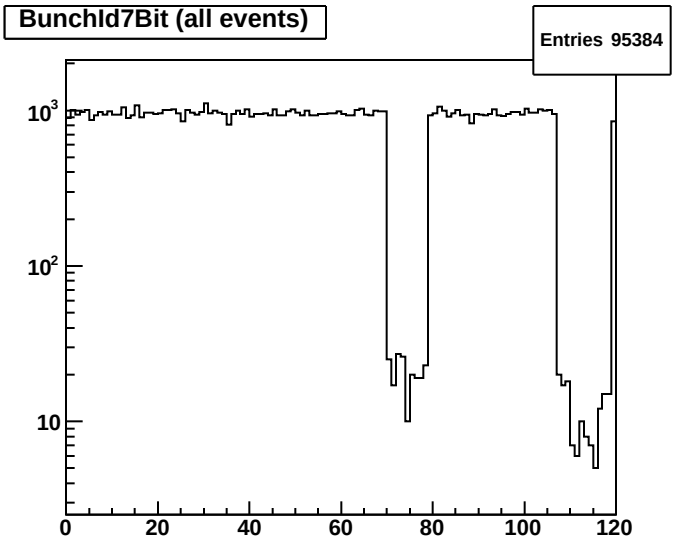

EMC L2 Input - HT01 bits/Partial JP ID
Entries 763072
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

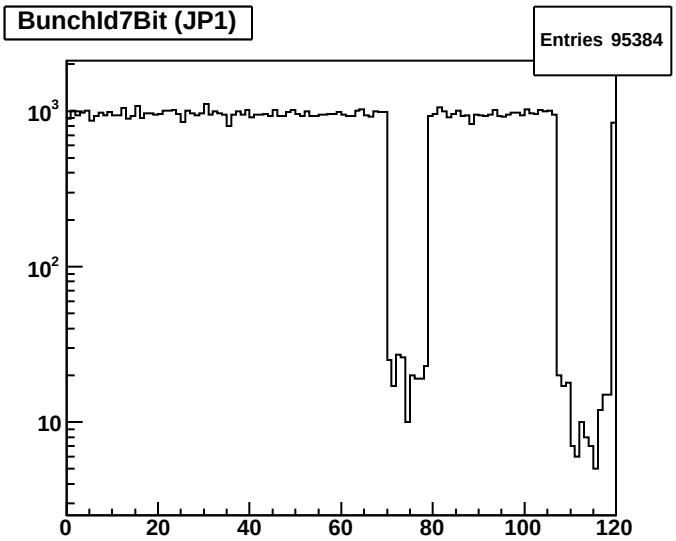

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

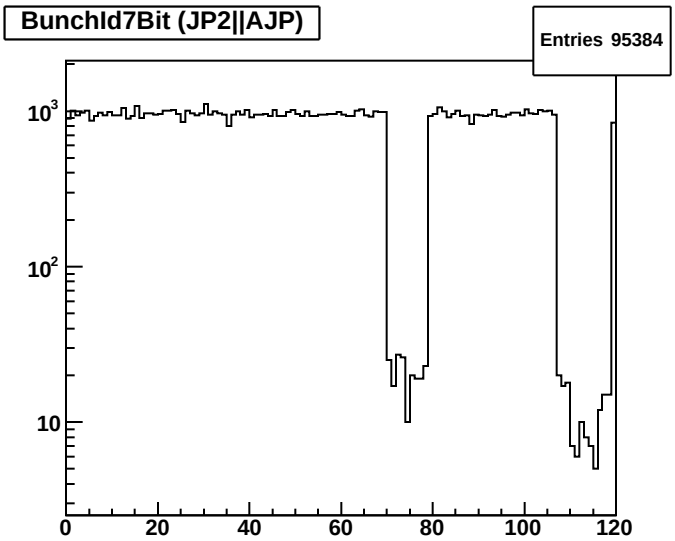

EMC L2 Input - HT23 bits
Entries 763072
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

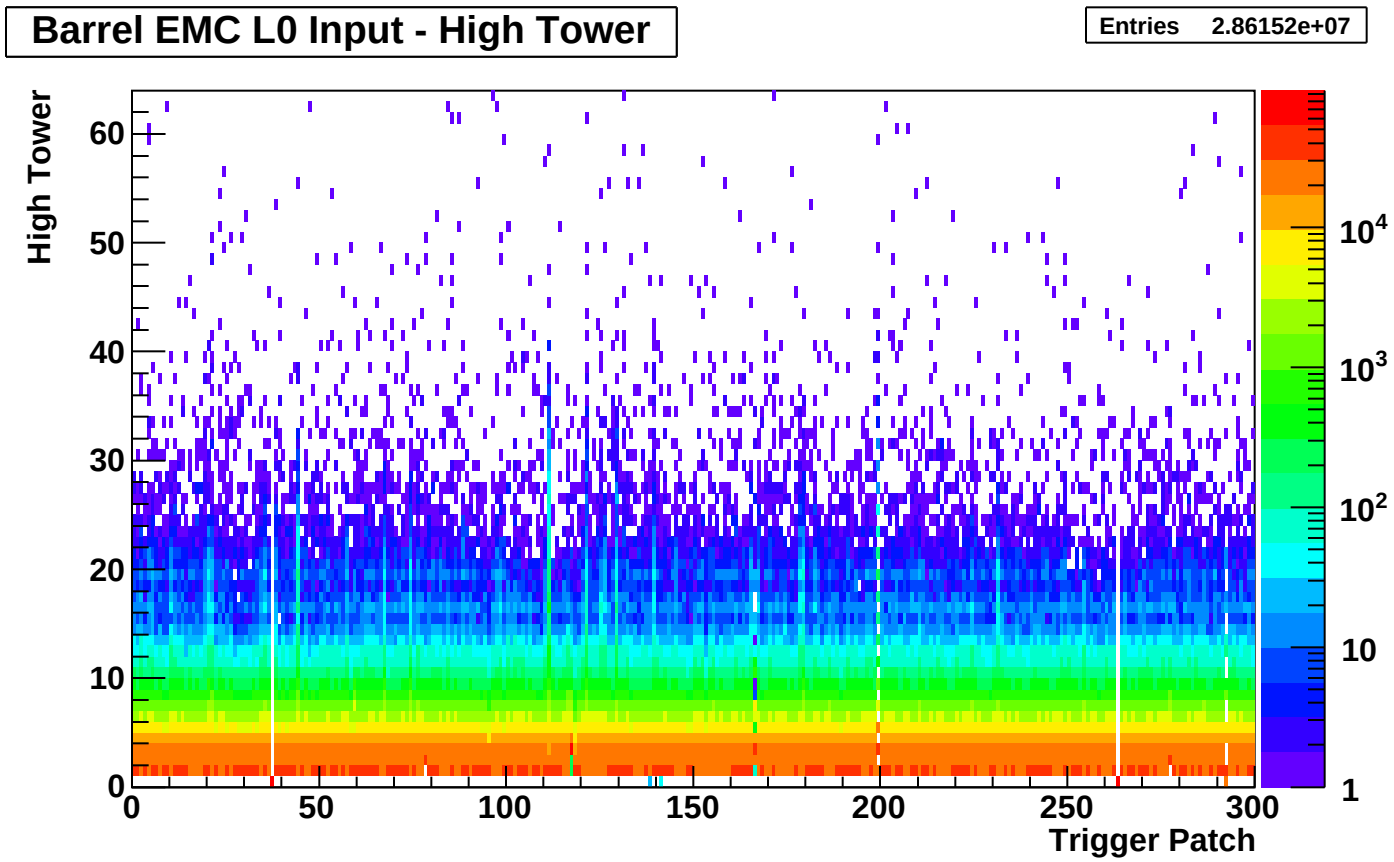

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

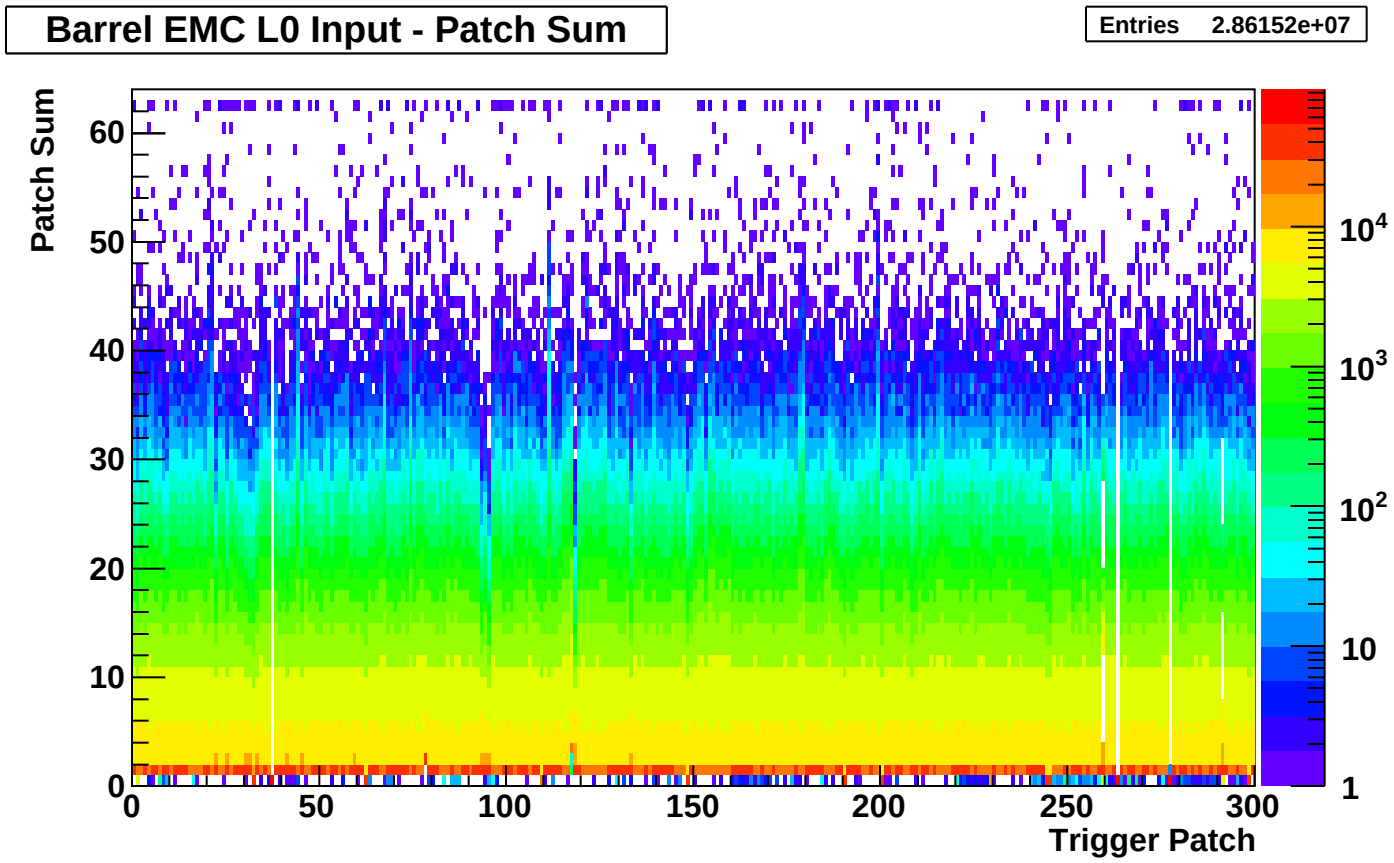

BunchId7Bit (BHT3)
Entries 2174
10
1
0
20
40
60
80
100
120

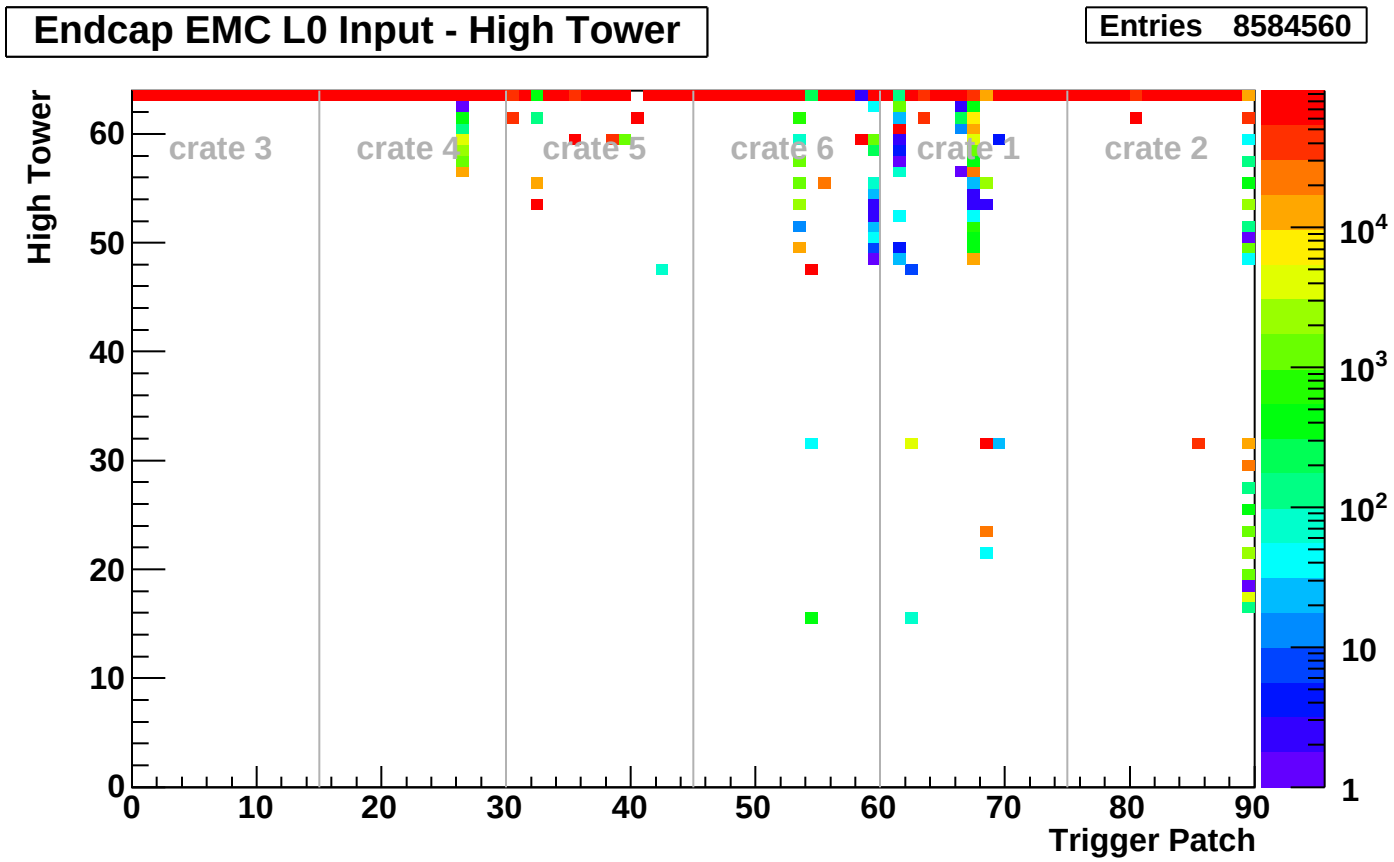

BunchId7Bit (all events)
Entries 95384
10^3
10^2
10
0
20
40
60
80
100
120

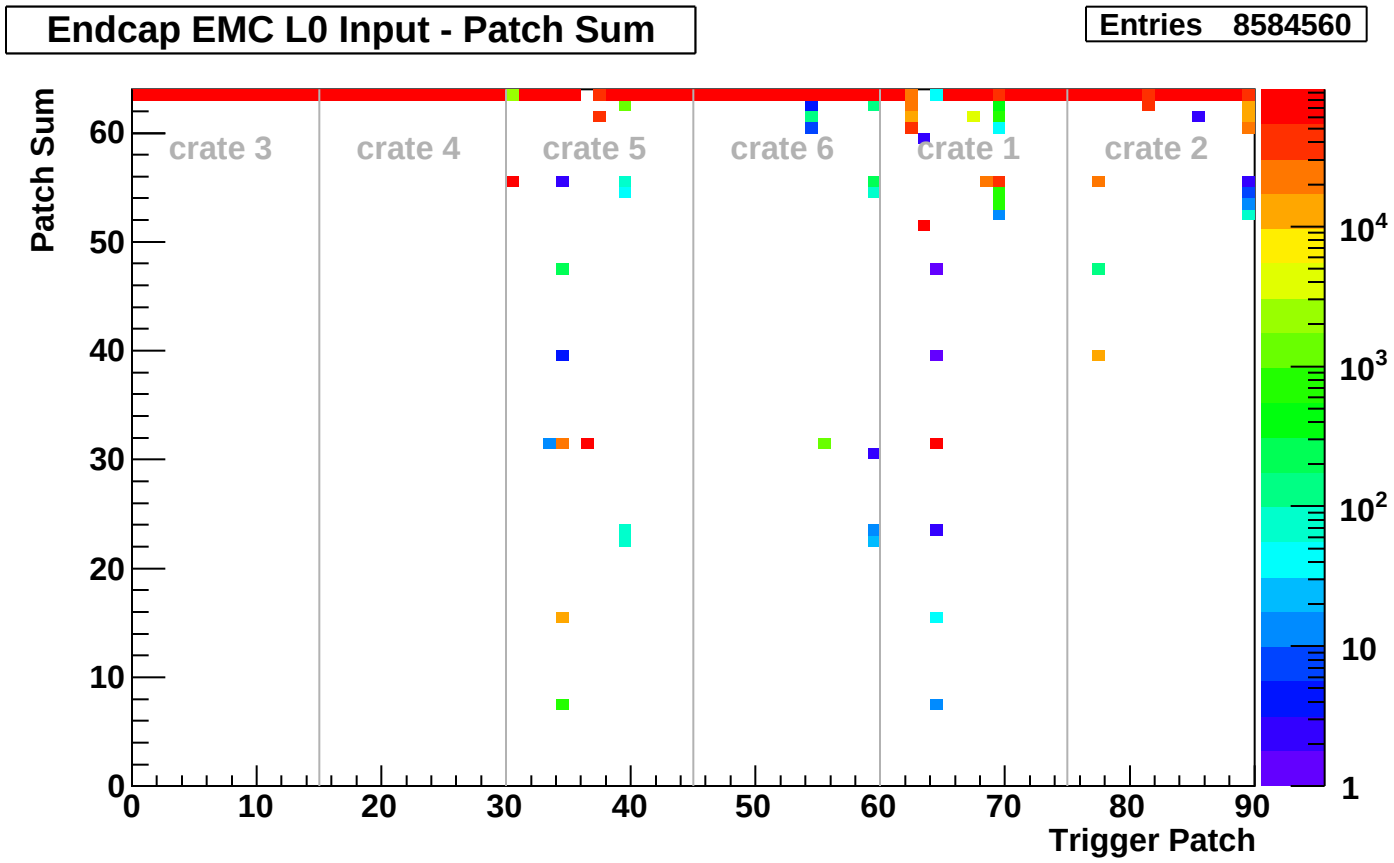

BunchId7Bit (JP1)
Entries 95384
10^3
10^2
10
0
20
40
60
80
100
120

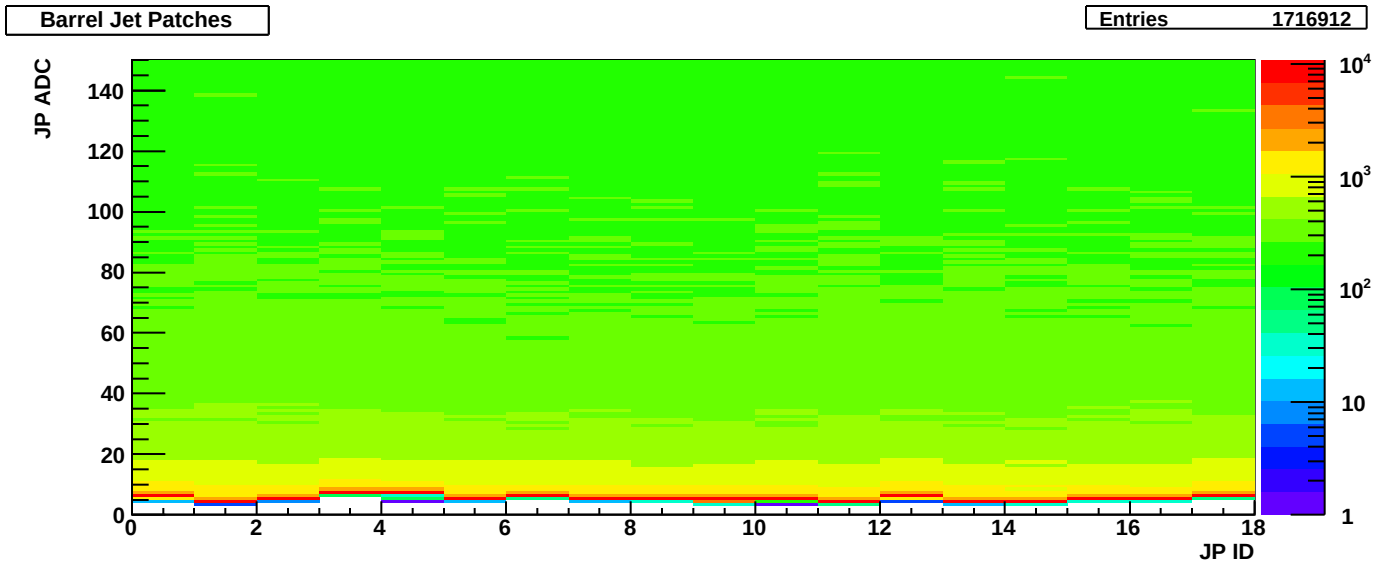

BunchId7Bit (JP2||AJP)
Entries 95384
10^3
10^2
10
0
20
40
60
80
100
120

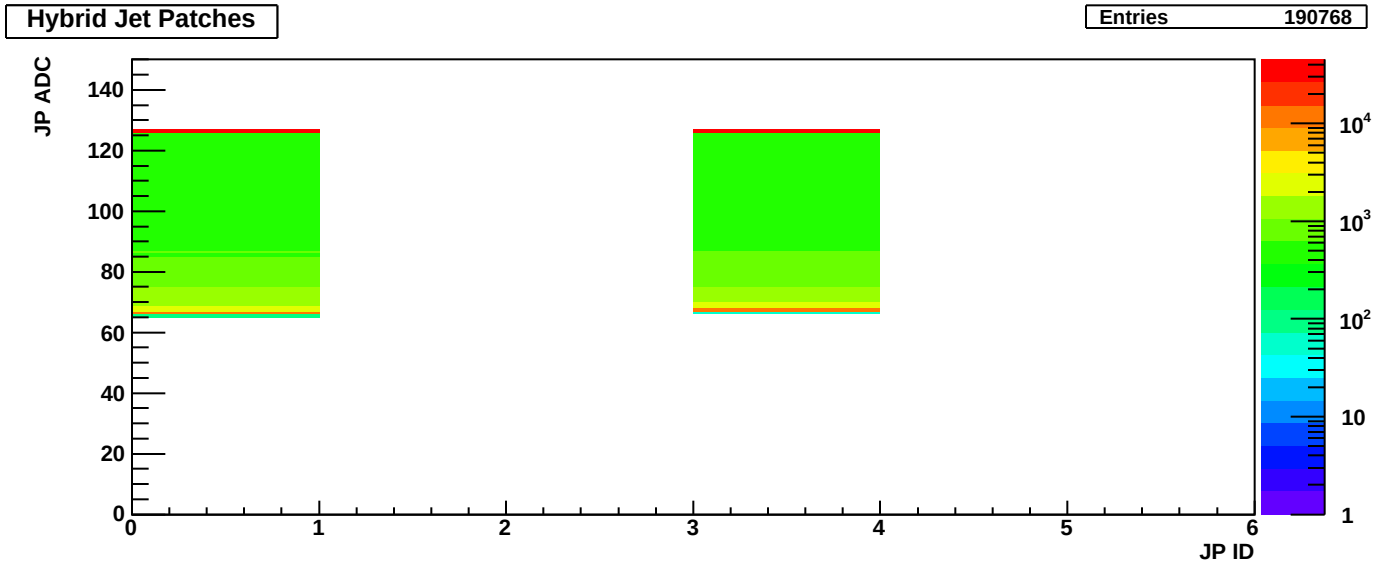

Barrel EMC L0 Input - High Tower
Entries 2.86152e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

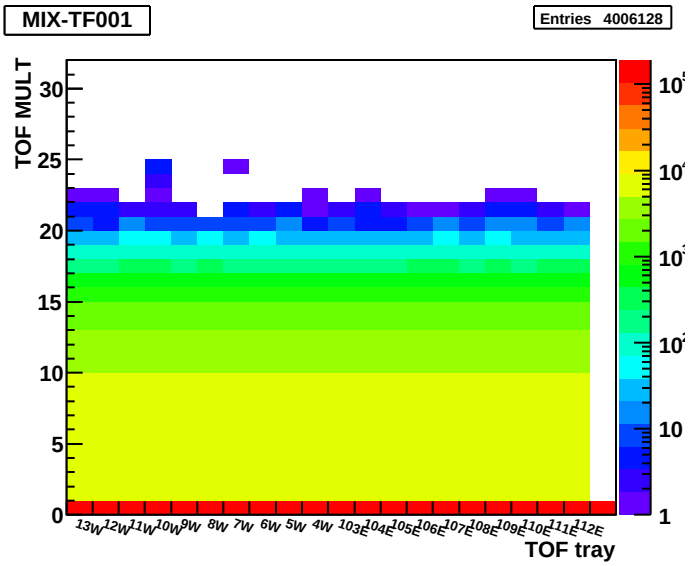

Barrel EMC L0 Input - Patch Sum
Entries 2.86152e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

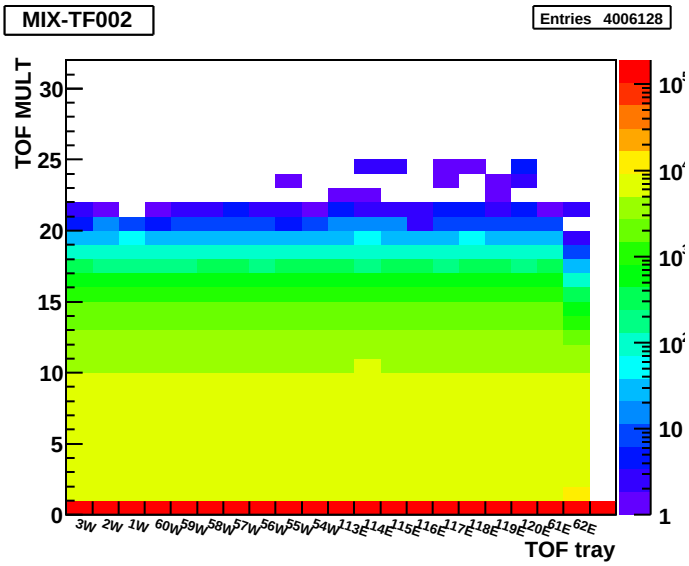

Endcap EMC L0 Input - High Tower
Entries 8584560
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

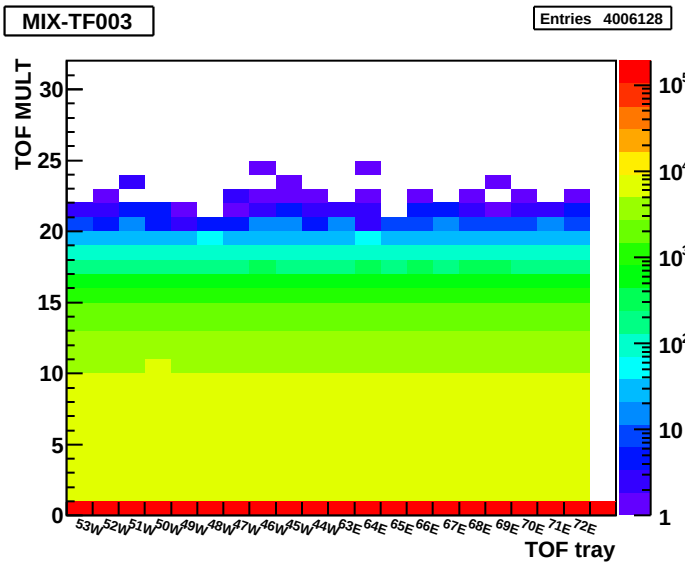

Endcap EMC L0 Input - Patch Sum
Entries 8584560
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

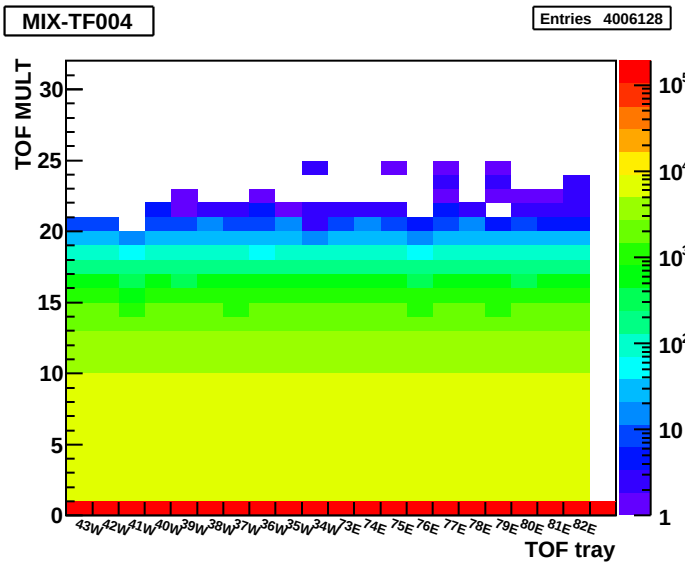

Barrel Jet Patches
Entries 1716912
JP ADC
JP ID

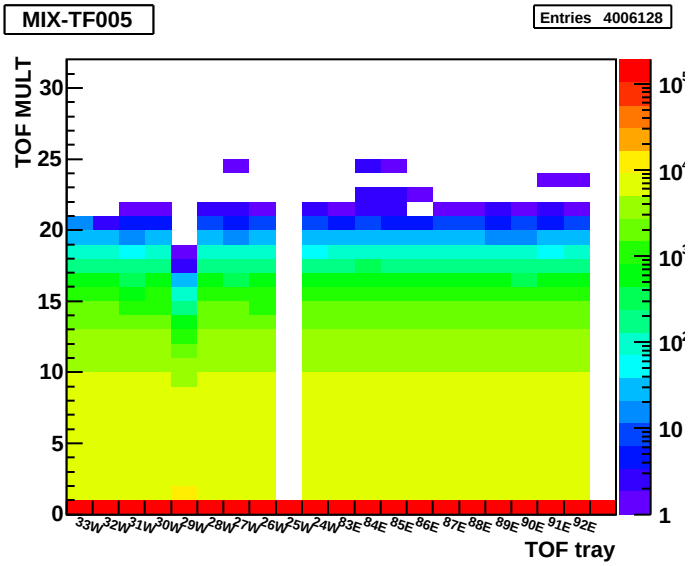

Hybrid Jet Patches
Entries 190768
JP ADC
JP ID

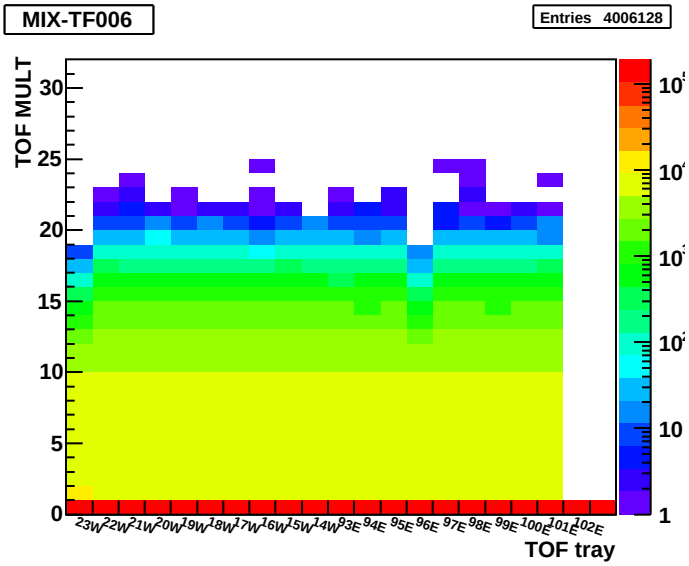

MIX-TF001
Entries 4006128
TOF MULT
TOF tray

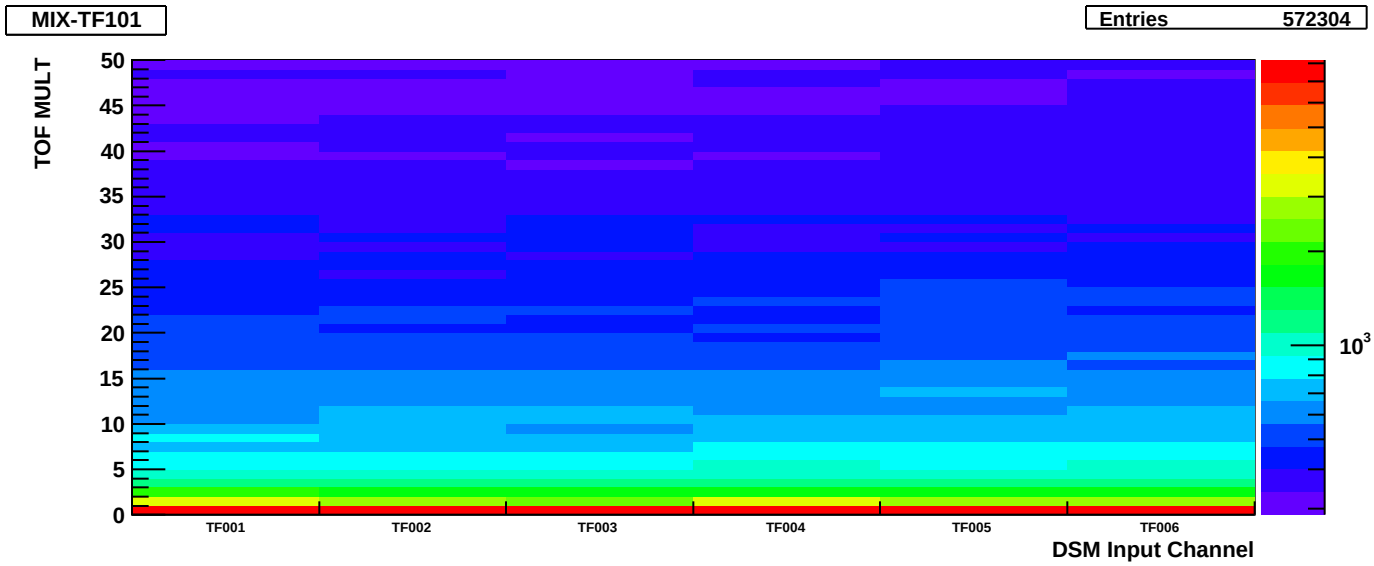

MIX-TF002
Entries 4006128
TOF MULT
TOF tray

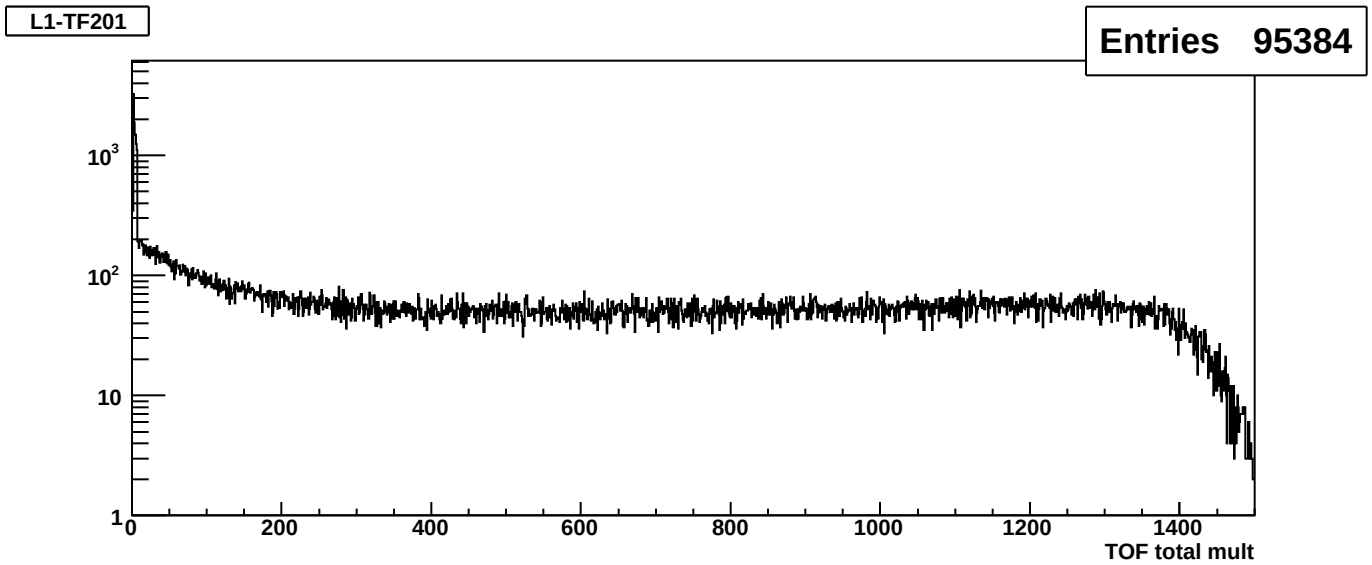

MIX-TF003
Entries 4006128
TOF MULT
TOF tray

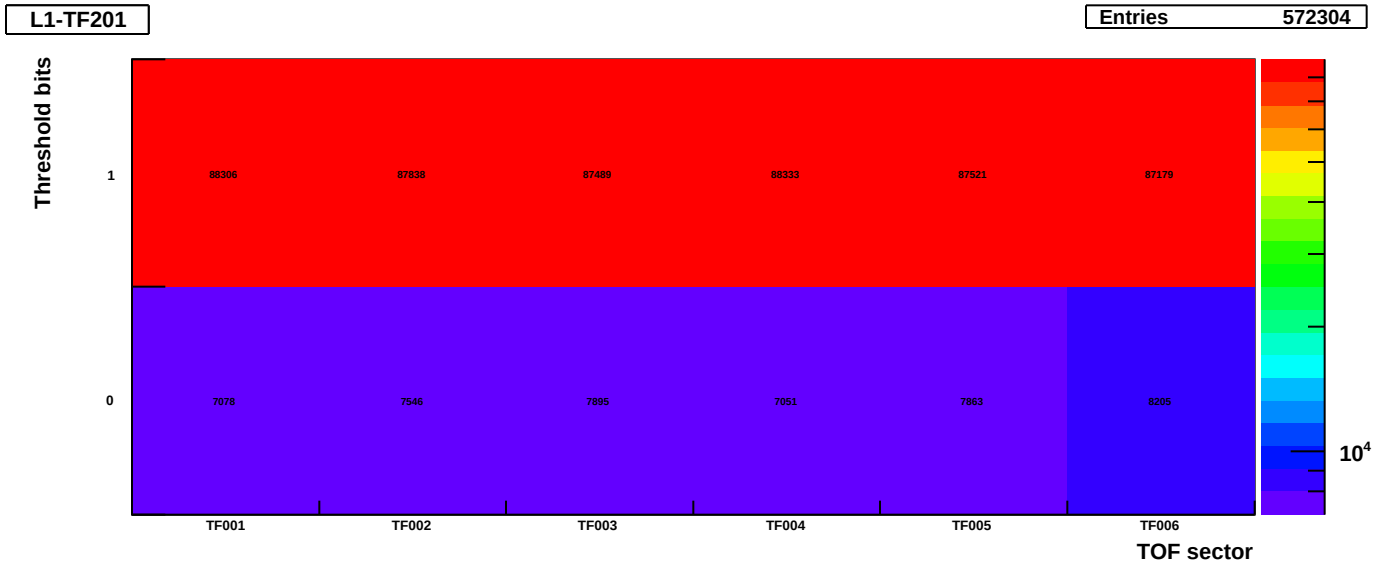

MIX-TF004
Entries 4006128
TOF MULT
TOF tray

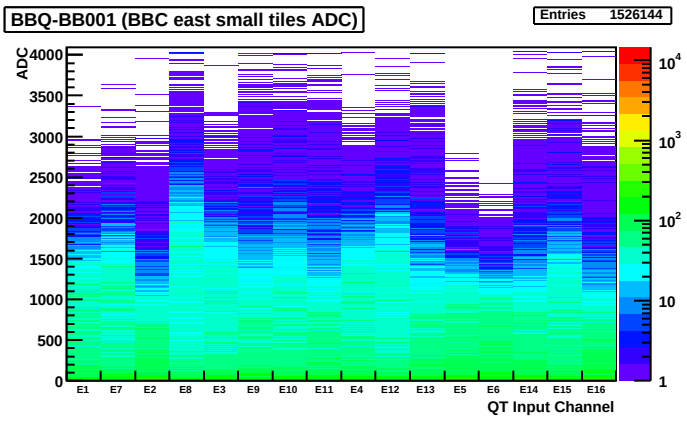

MIX-TF005
Entries 4006128
TOF MULT
TOF tray

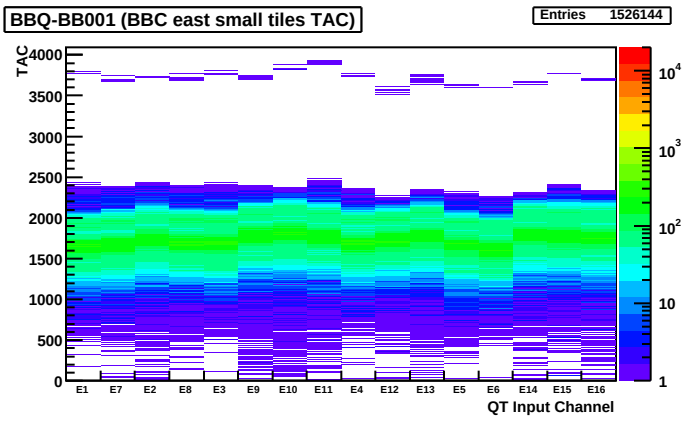

MIX-TF006
Entries 4006128
TOF MULT
TOF tray

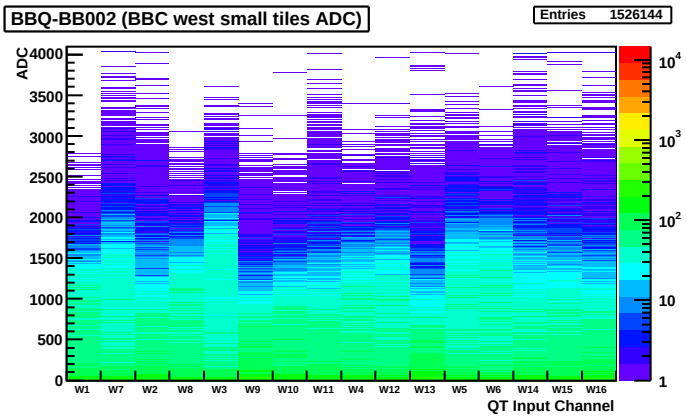

MIX-TF101
Entries 572304
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

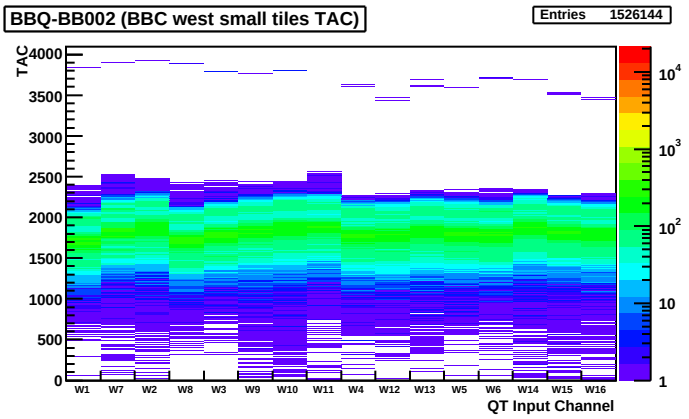

L1-TF201
Entries 95384
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

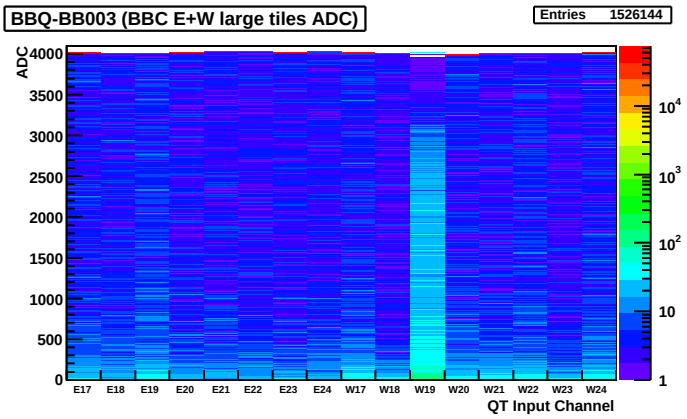

L1-TF201
Entries 572304
Threshold bits
1
0
88306
87838
87489
88333
87521
87179
7078
7546
7895
7051
7863
8205
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

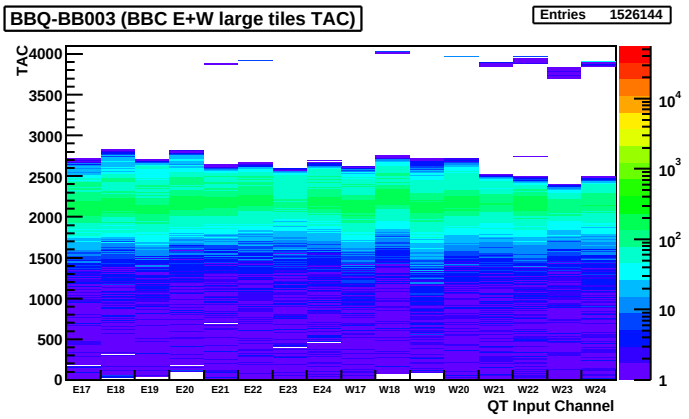

BBQ-BB001 (BBC east small tiles ADC)
Entries 1526144
ADC
QT Input Channel

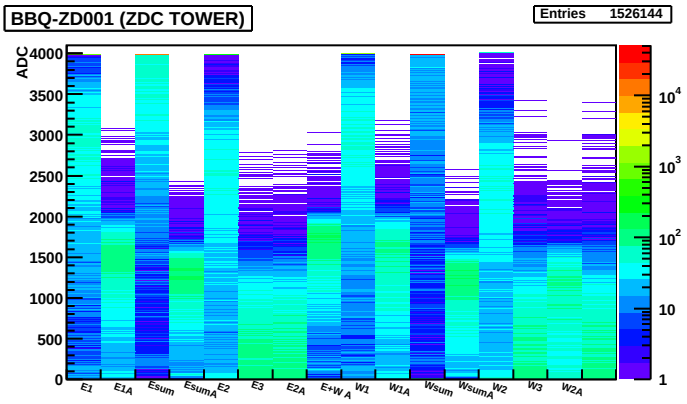

BBQ-BB001 (BBC east small tiles TAC)
Entries 1526144
TAC
QT Input Channel

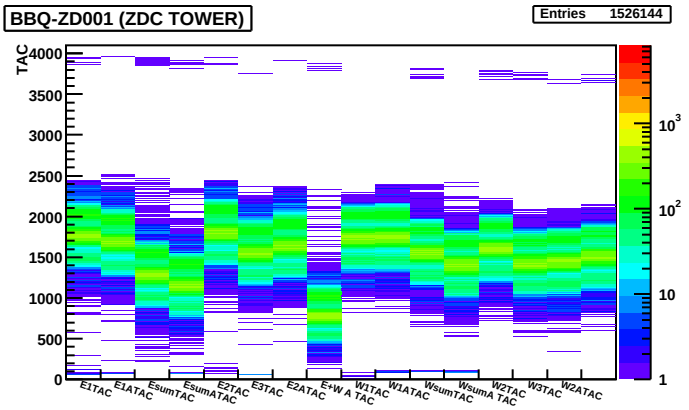

BBQ-BB002 (BBC west small tiles ADC)
Entries 1526144
ADC
QT Input Channel

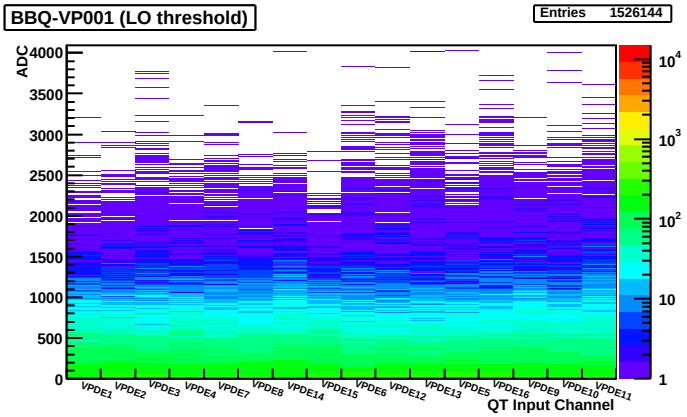

BBQ-BB002 (BBC west small tiles TAC)
Entries 1526144
TAC
QT Input Channel

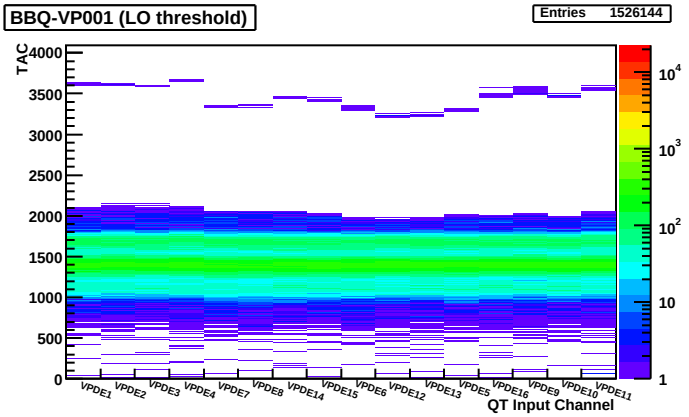

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1526144
ADC
QT Input Channel

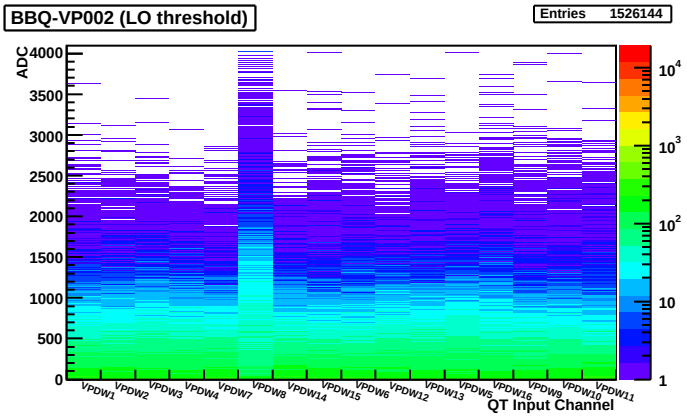

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1526144
TAC
QT Input Channel

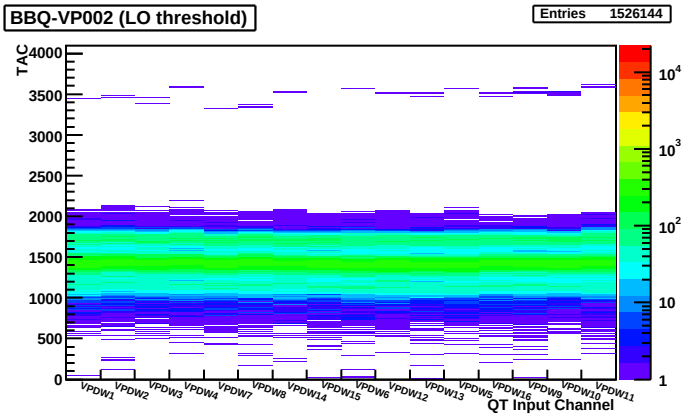

BBQ-ZD001 (ZDC TOWER)
Entries 1526144
ADC

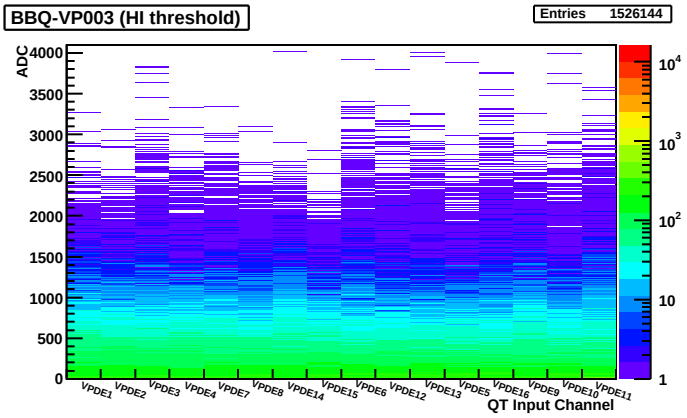

BBQ-ZD001 (ZDC TOWER)
Entries 1526144
TAC

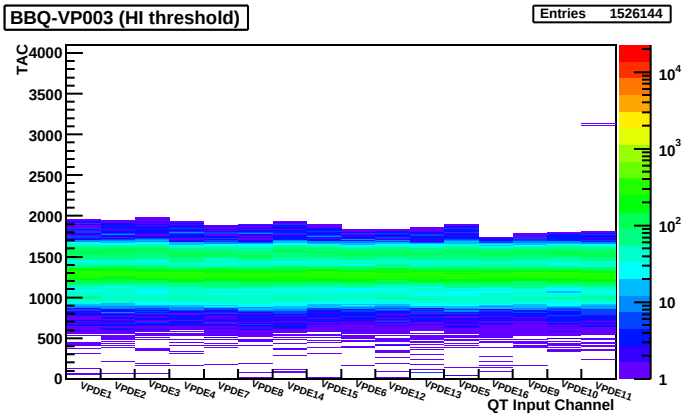

BBQ-VP001 (LO threshold)
Entries 1526144
ADC
QT Input Channel

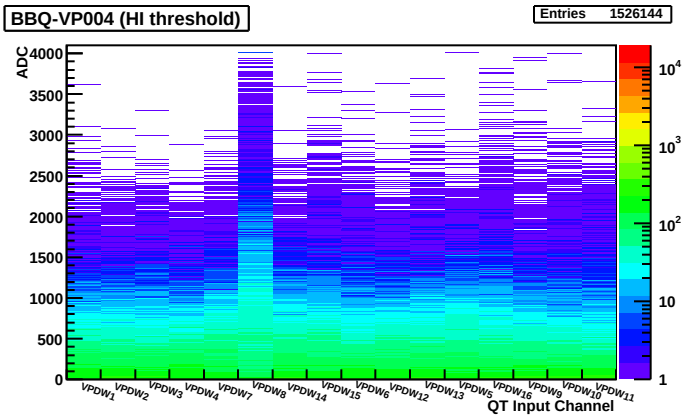

BBQ-VP001 (LO threshold)
Entries 1526144
TAC
QT Input Channel

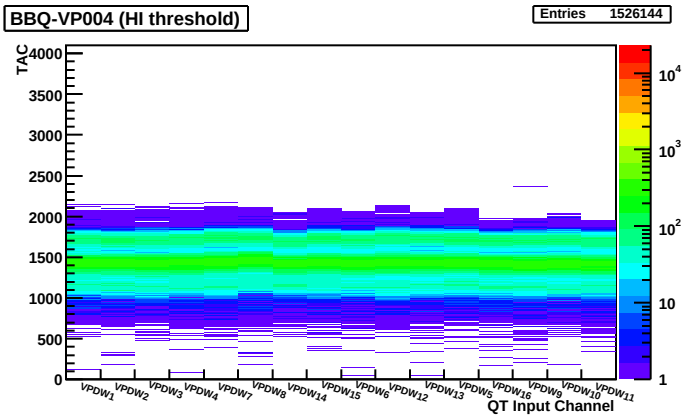

BBQ-VP002 (LO threshold)
Entries 1526144
ADC
QT Input Channel

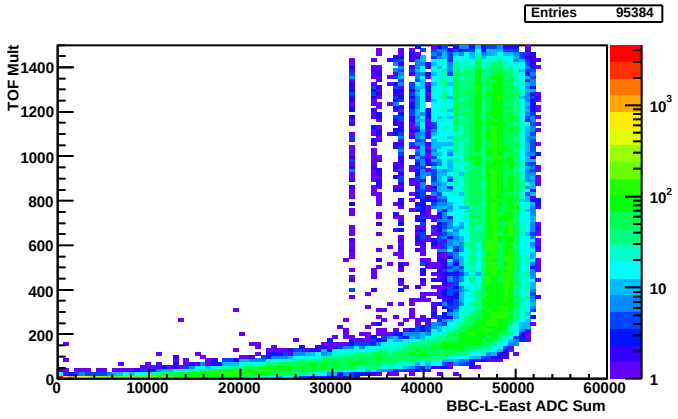

BBQ-VP002 (LO threshold)
Entries 1526144
TAC
QT Input Channel

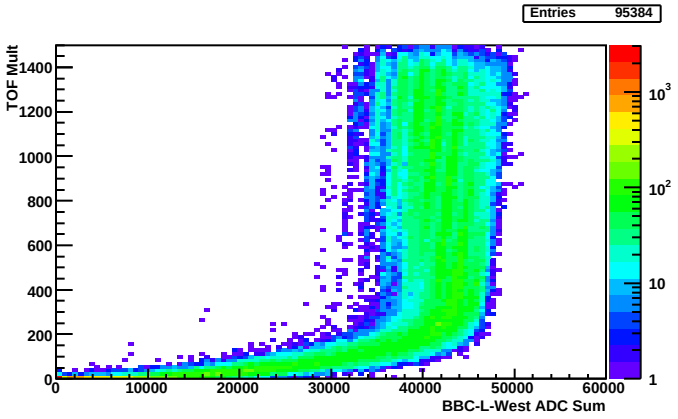

BBQ-VP003 (HI threshold)
Entries 1526144
ADC
QT Input Channel

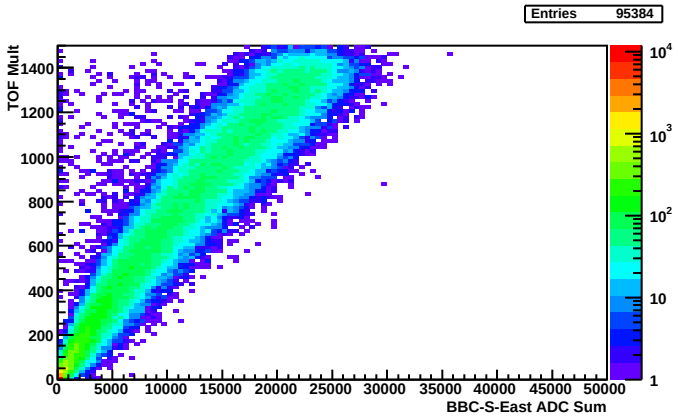

BBQ-VP003 (HI threshold)
Entries 1526144
TAC
QT Input Channel

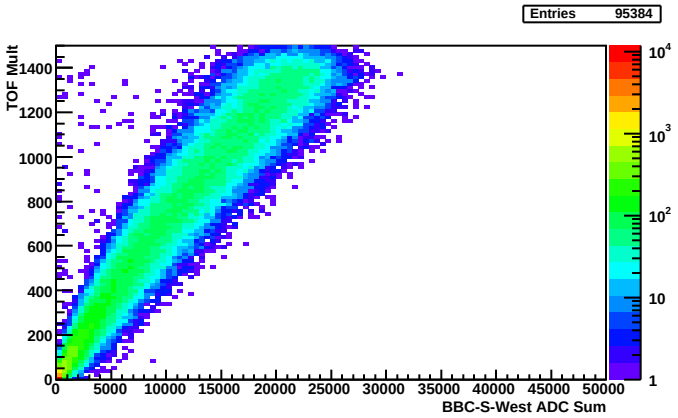

BBQ-VP004 (HI threshold)
Entries 1526144
ADC
QT Input Channel

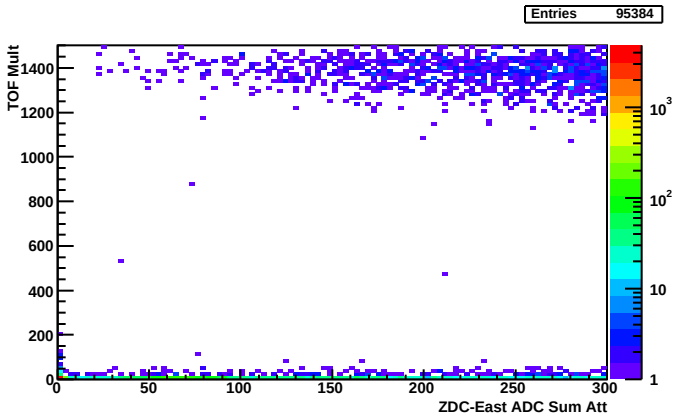

BBQ-VP004 (HI threshold)
Entries 1526144
TAC
QT Input Channel

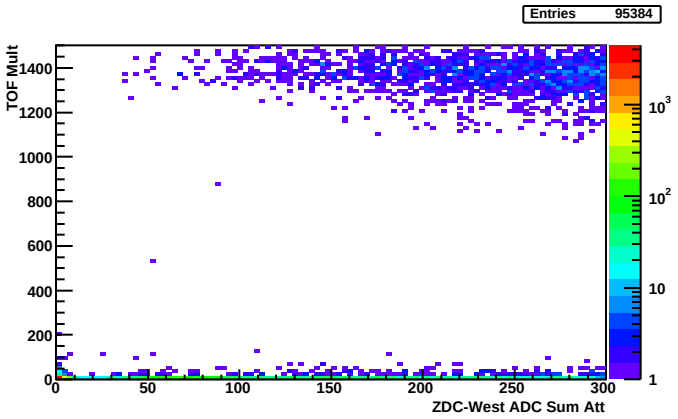

Entries 95384
TOF Mult
BBC-L-East ADC Sum

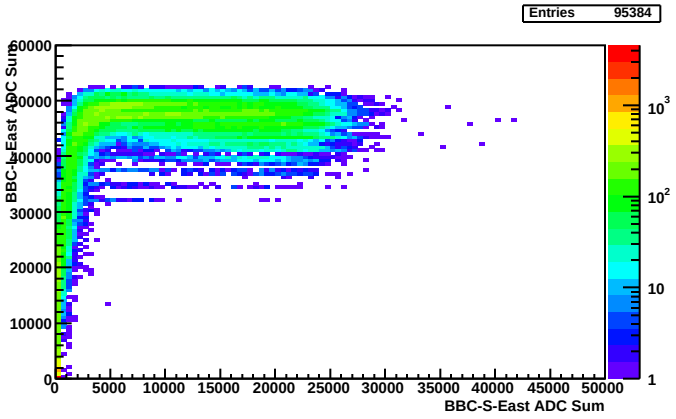

Entries 95384
TOF Mult
BBC-L-West ADC Sum

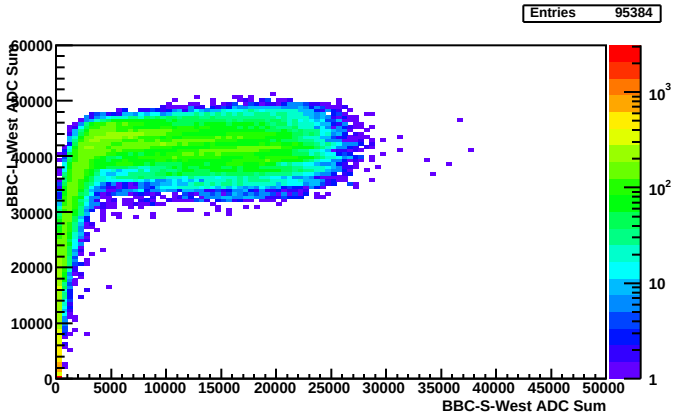

Entries 95384
TOF Mult
BBC-S-East ADC Sum

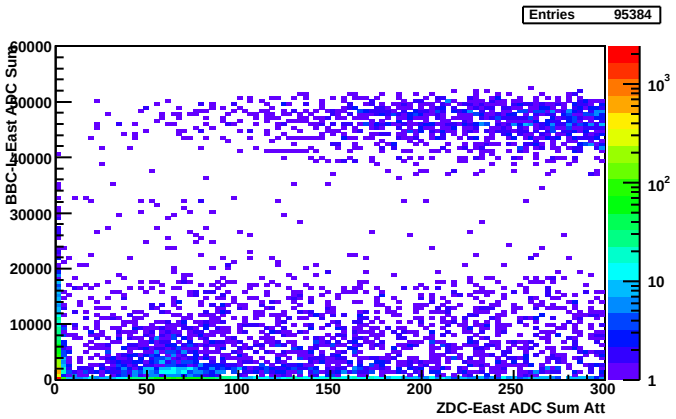

Entries 95384
TOF Mult
BBC-S-West ADC Sum

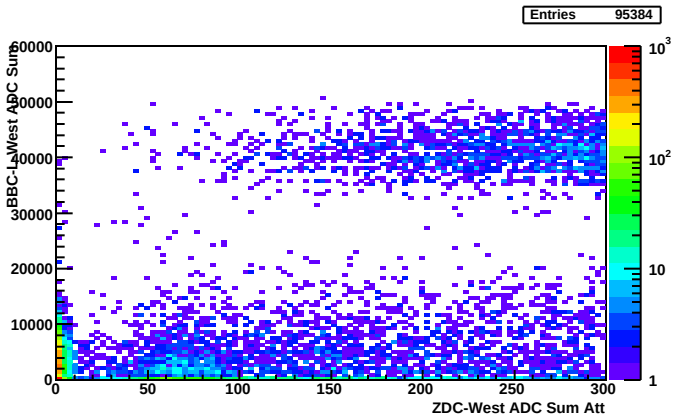

Entries 95384
TOF Mult
ZDC-East ADC Sum Att


Entries 95384
TOF Mult
ZDC-West ADC Sum Att


Entries 95384
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 95384
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 95384
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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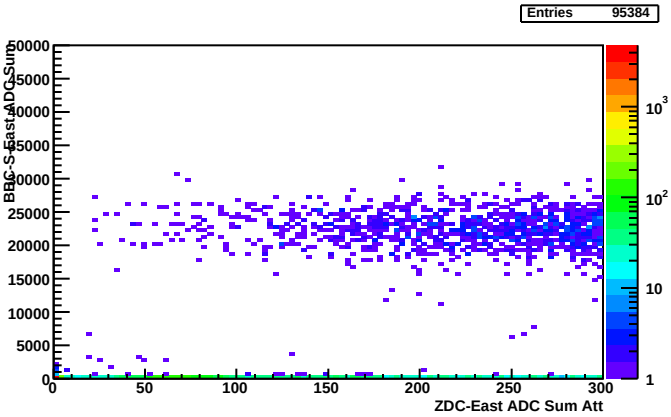
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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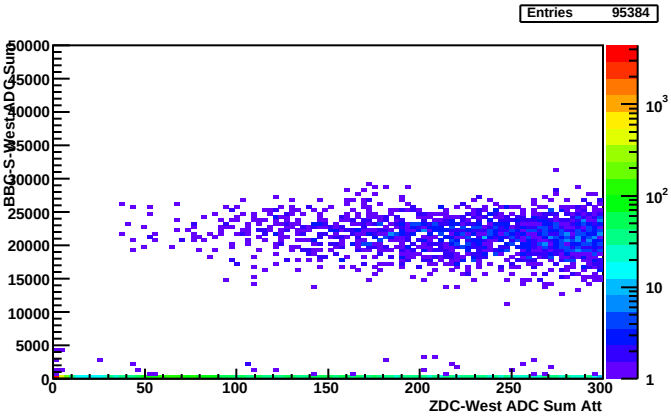
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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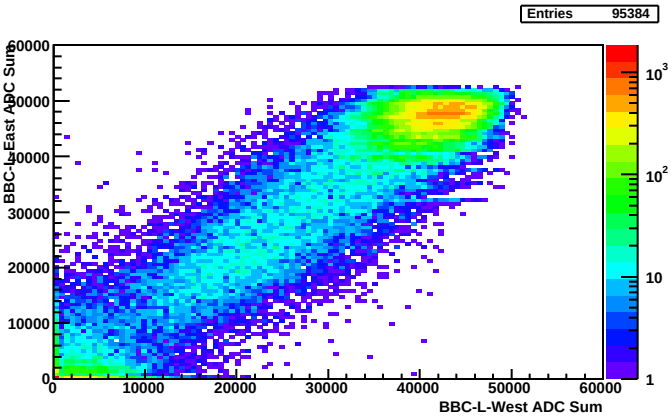
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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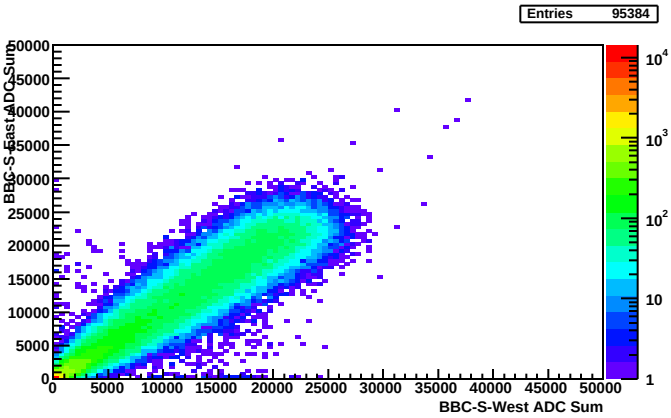
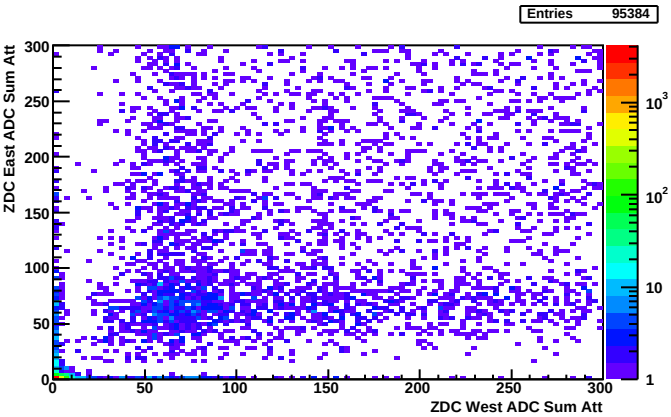
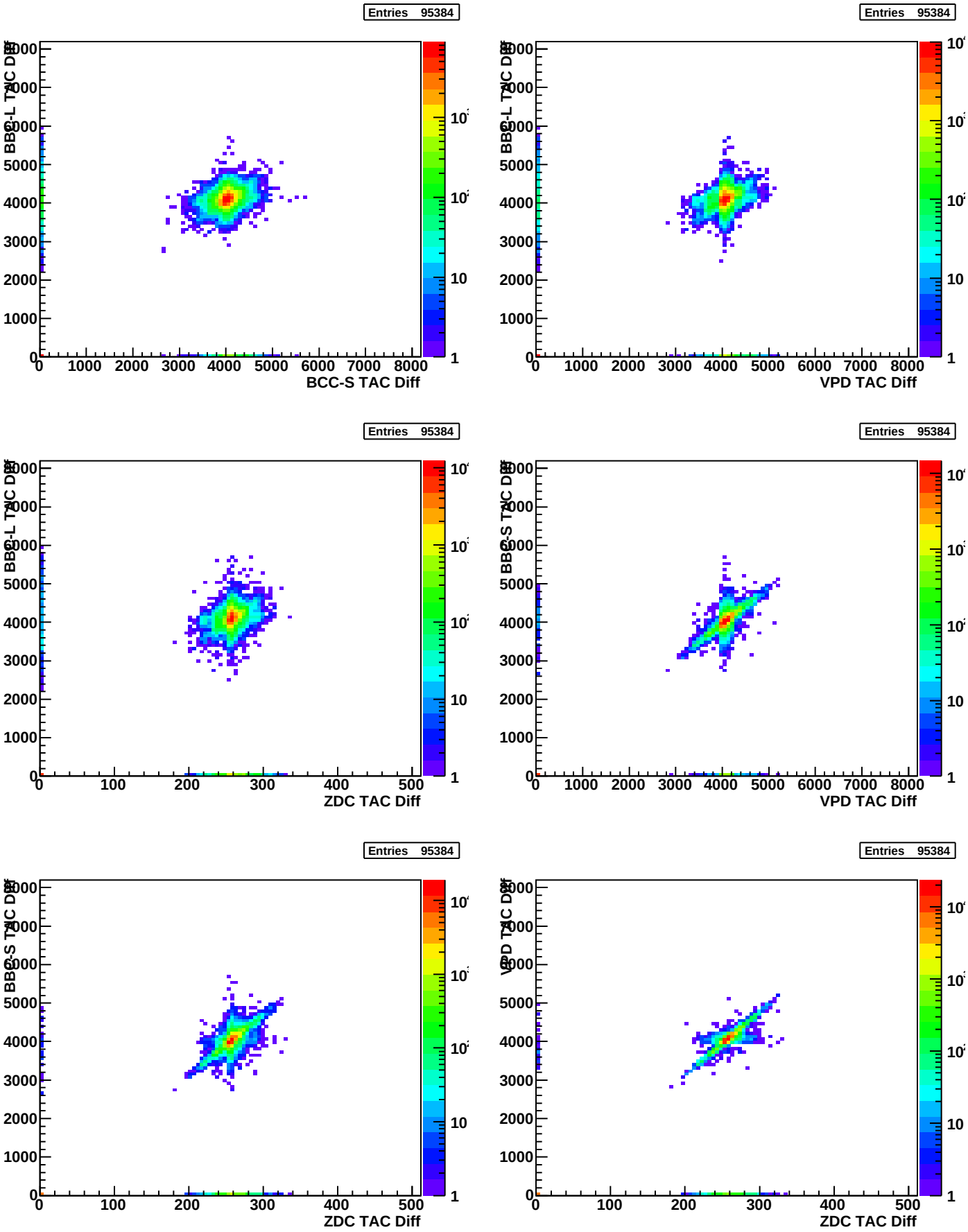
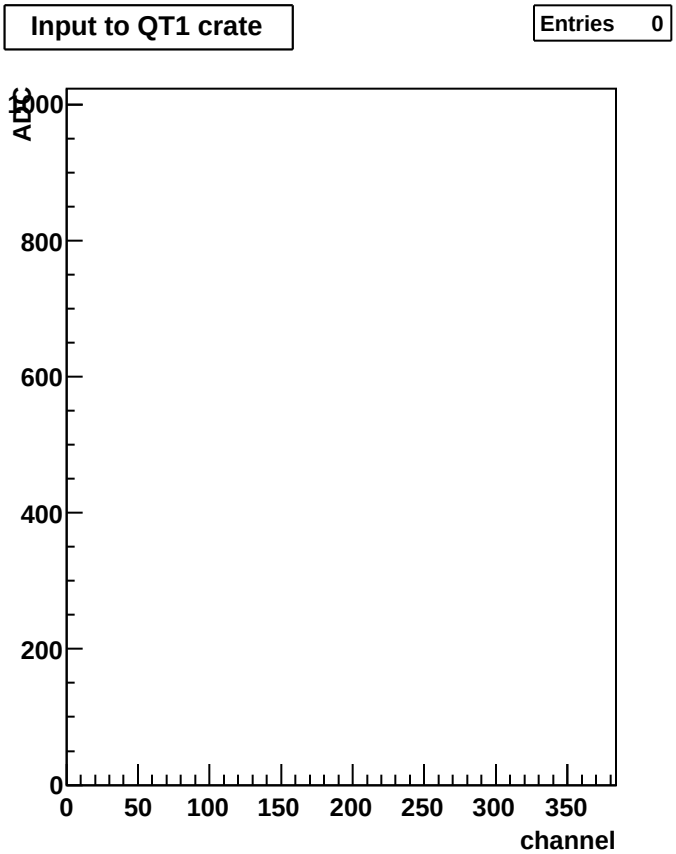
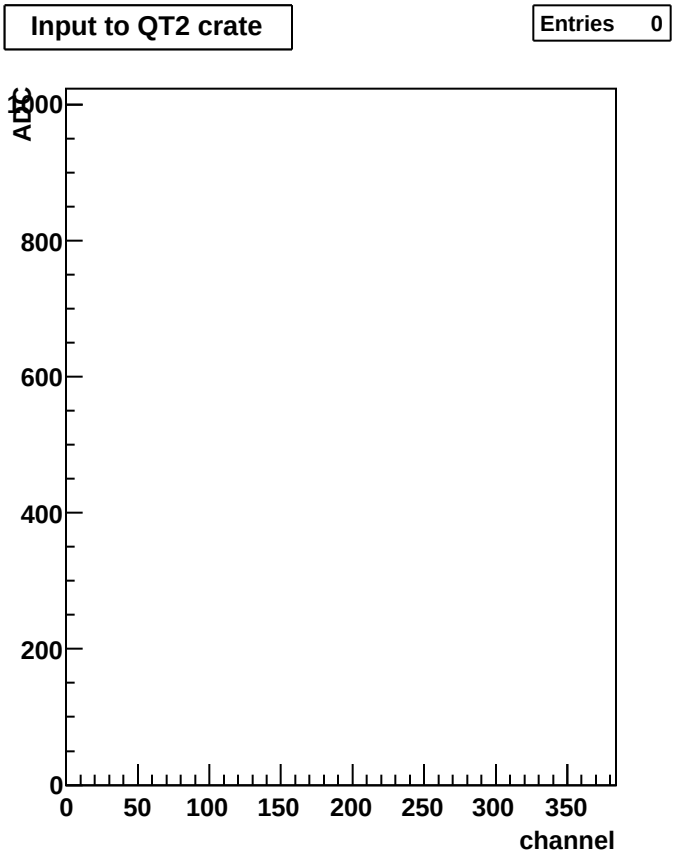
BBC-L-East ADC Sum
BBC-L-West ADC Sum

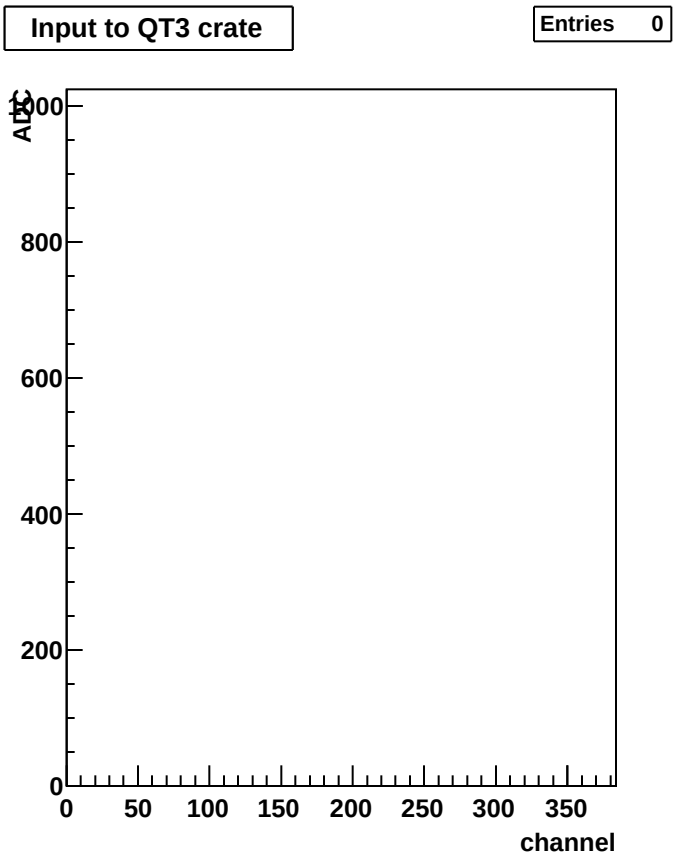

Entries 95384
BBC-S-East ADC Sum
BBC-S-West ADC Sum

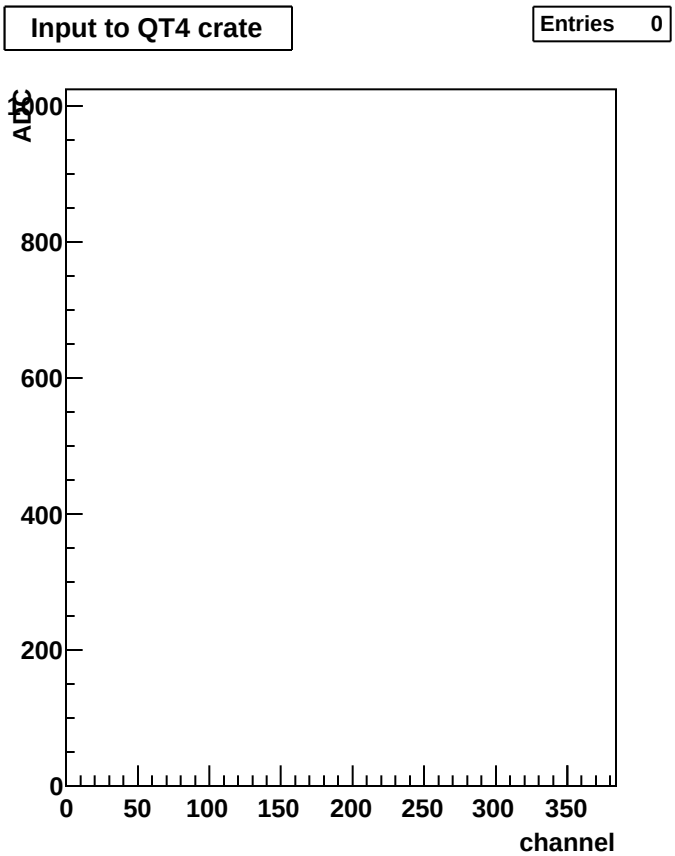

Entries 95384
ZDC East ADC Sum Att
ZDC West ADC Sum Att

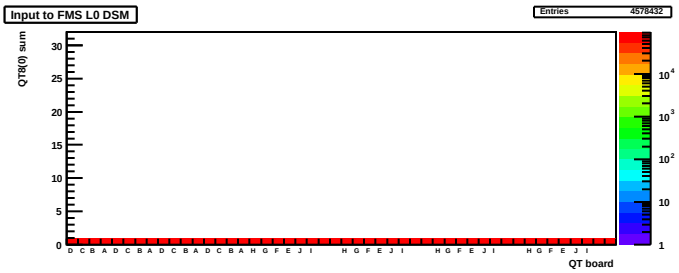

Entries 95384
BBC-L TAC Diff
BCC-S TAC Diff
Entries 95384
BBC-L TAC Diff
VPD TAC Diff
Entries 95384
BBC-L TAC Diff
ZDC TAC Diff
Entries 95384
BBC-S TAC Diff
VPD TAC Diff
Entries 95384
BBC-S TAC Diff
ZDC TAC Diff
Entries 95384
VPD TAC Diff
ZDC TAC Diff

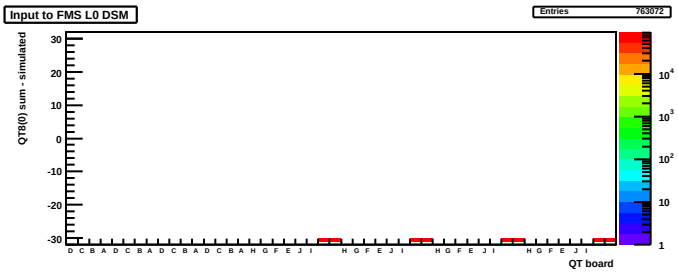

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

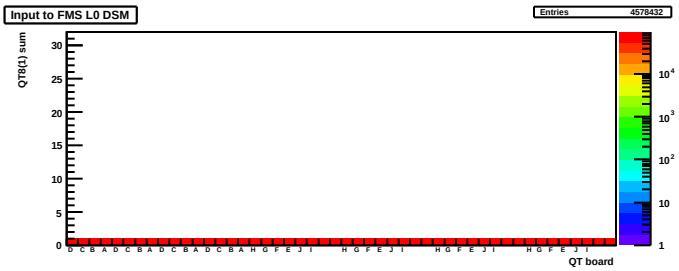

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

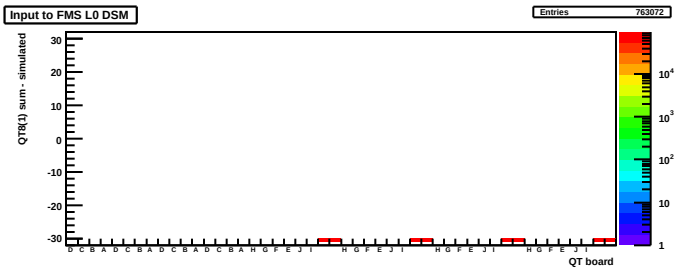

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

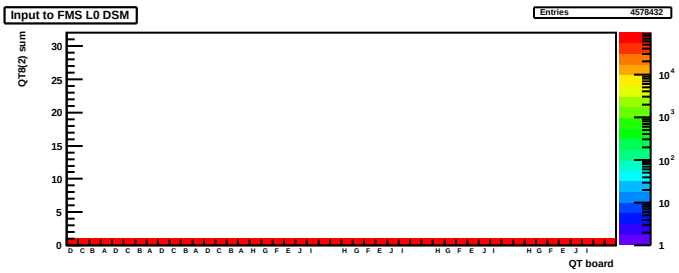

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

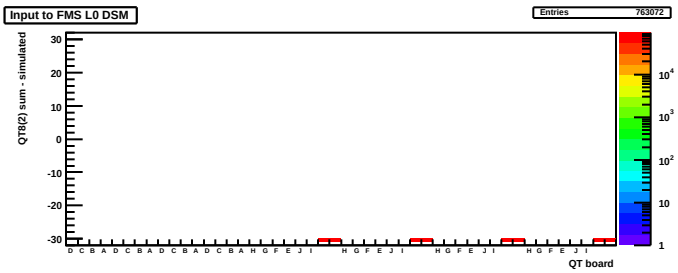

Input to FMS L0 DSM
Entries 4578432
QT8(0) sum
QT board

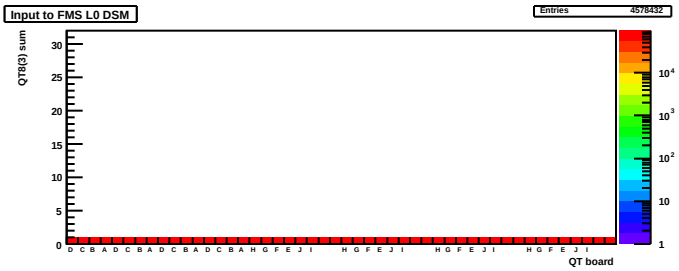

Input to FMS L0 DSM
Entries 763072
QT8(0) sum - simulated
QT board

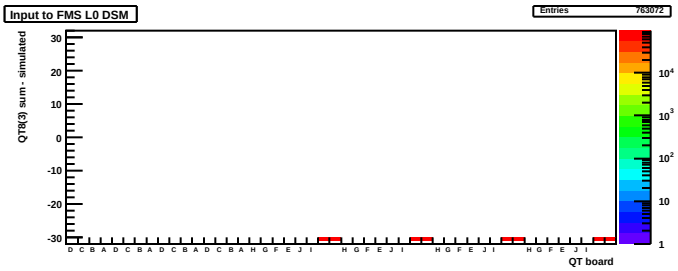

Input to FMS L0 DSM
Entries 4578432
QT8(1) sum
QT board

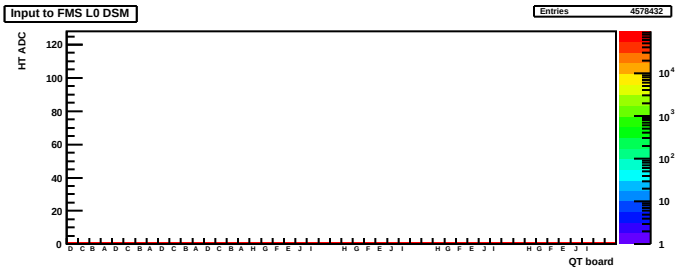

Input to FMS L0 DSM
Entries 763072
QT8(1) sum - simulated
QT board

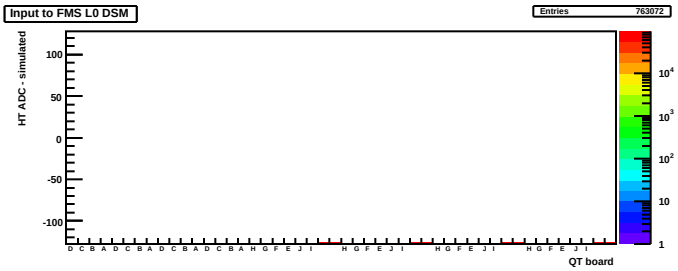

Input to FMS L0 DSM
Entries 4578432
QT8(2) sum
QT board

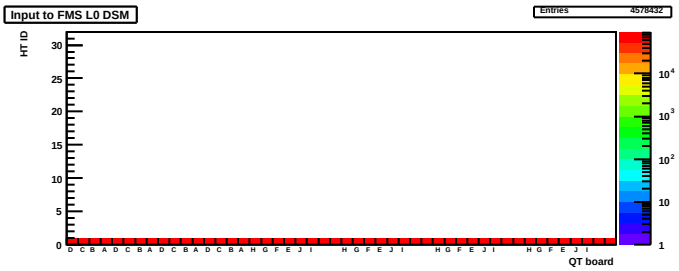

Input to FMS L0 DSM
Entries 763072
QT8(2) sum - simulated
QT board

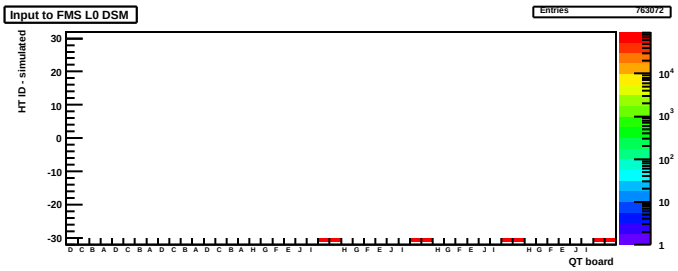

Input to FMS L0 DSM
Entries 4578432
QT8(3) sum
QT board

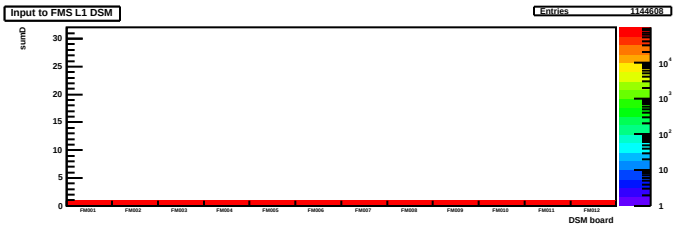

Input to FMS L0 DSM
Entries 763072
QT8(3) sum - simulated
QT board

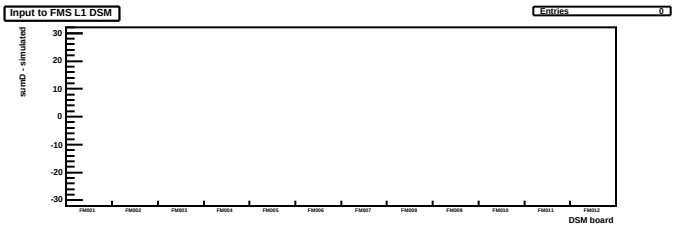

Input to FMS L0 DSM
Entries 4578432
HT ADC
QT board

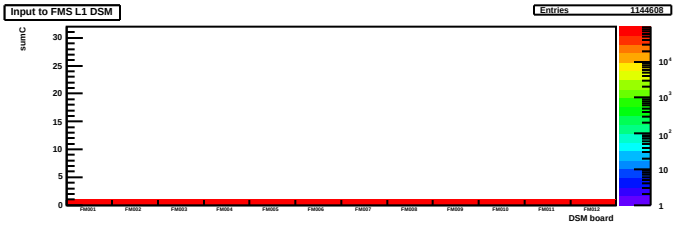

Input to FMS L0 DSM
Entries 763072
HT ADC - simulated
QT board

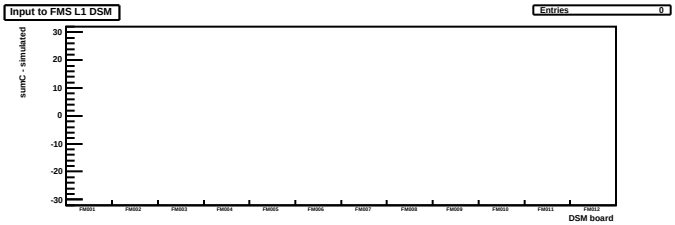

Input to FMS L0 DSM
Entries 4578432
HT ID
QT board

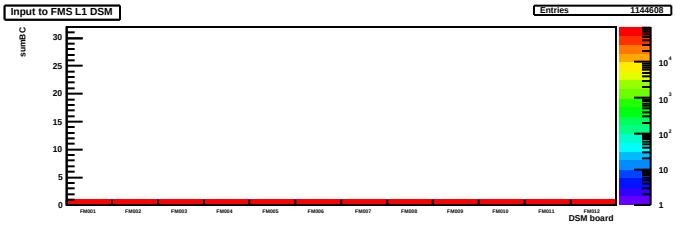

Input to FMS L0 DSM
Entries 763072
HT ID - simulated
QT board

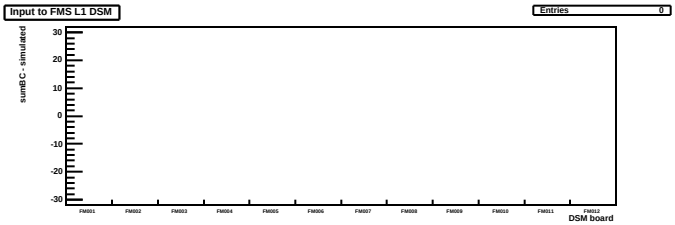

Input to FMS L1 DSM
Entries 1144608
sumD
DSM board

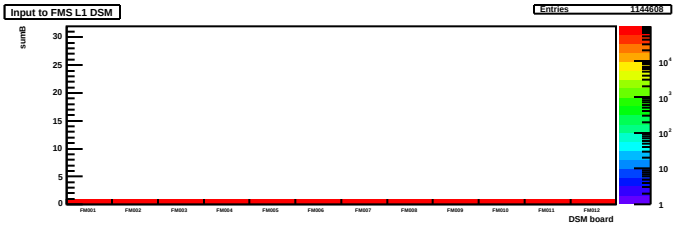

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

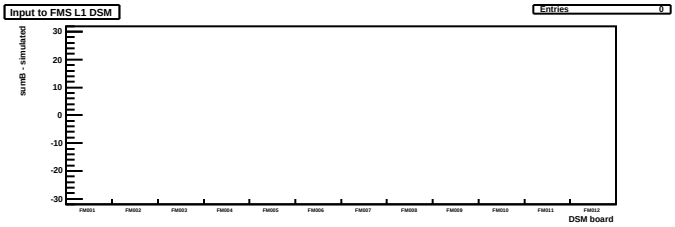

Input to FMS L1 DSM
Entries 1144608
sumC
DSM board

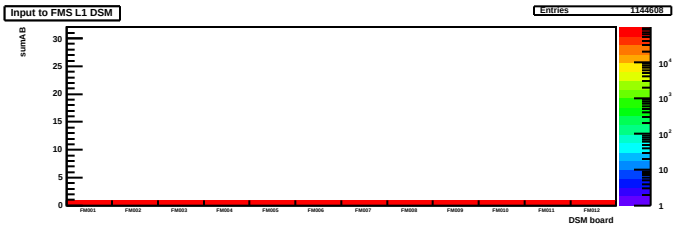

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

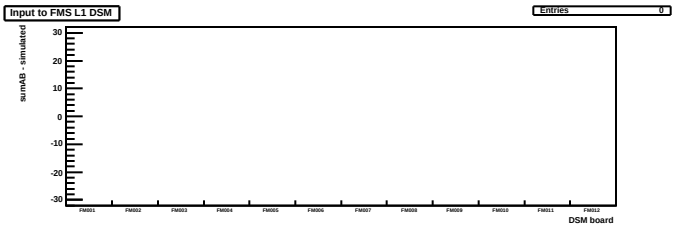

Input to FMS L1 DSM
Entries 1144608
sumBC
DSM board

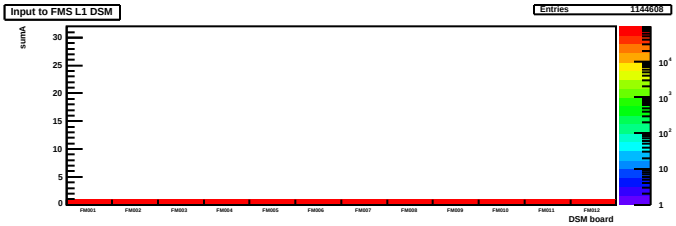

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

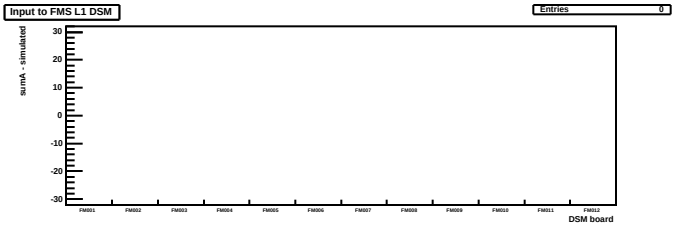

Input to FMS L1 DSM
Entries 1144608
sumB
DSM board

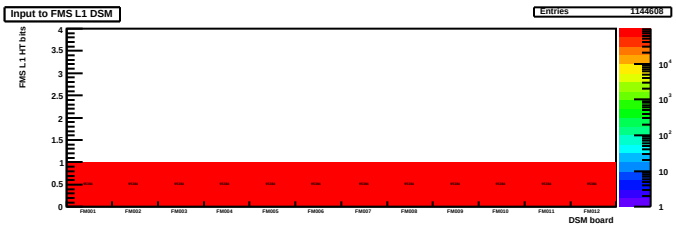

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

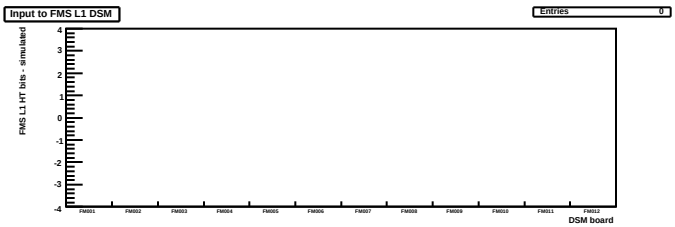

Input to FMS L1 DSM
Entries 1144608
sumAB
DSM board

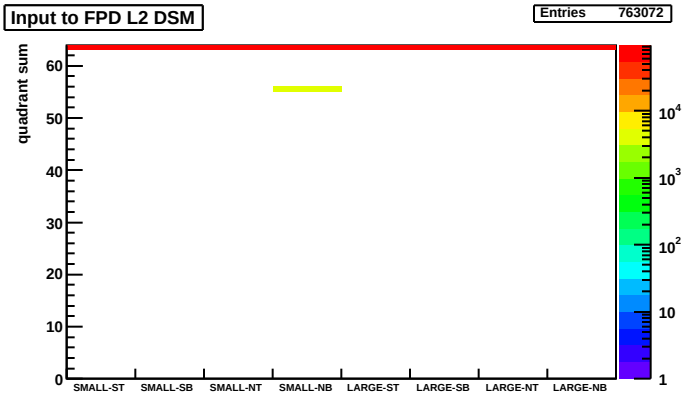

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

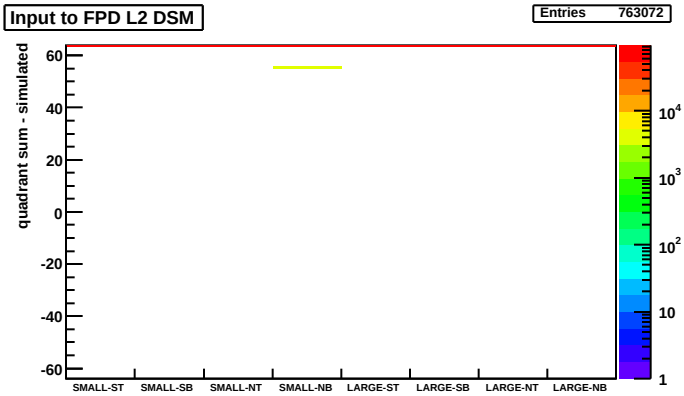

Input to FMS L1 DSM
Entries 1144608
sumA
DSM board

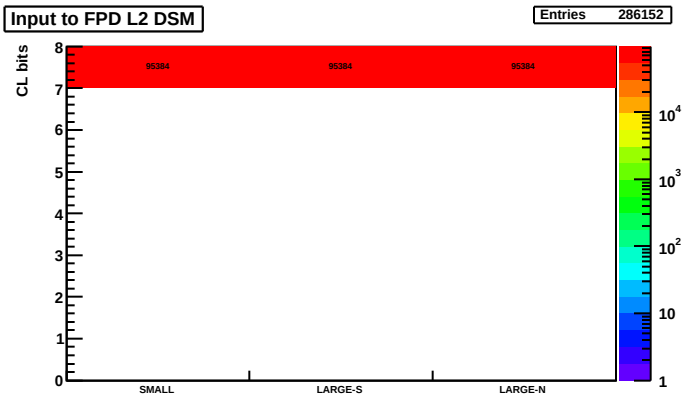

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

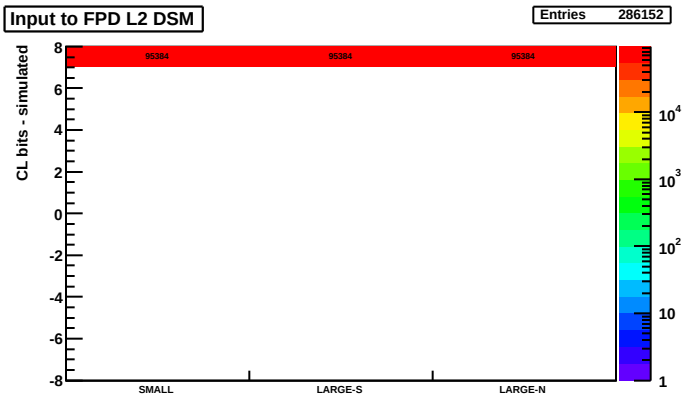

Input to FMS L1 DSM
Entries 1144608
FMS L1 HT bits
DSM board

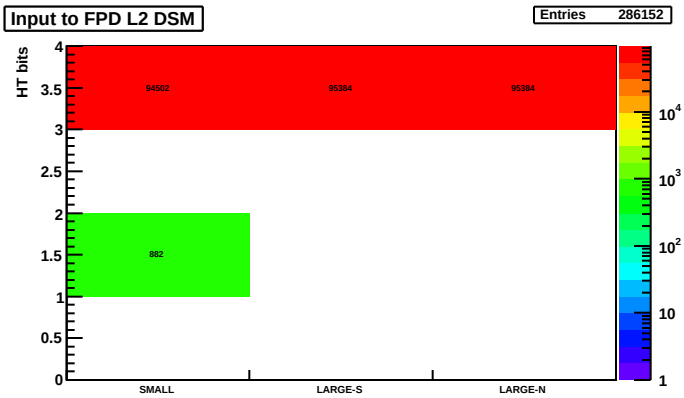

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

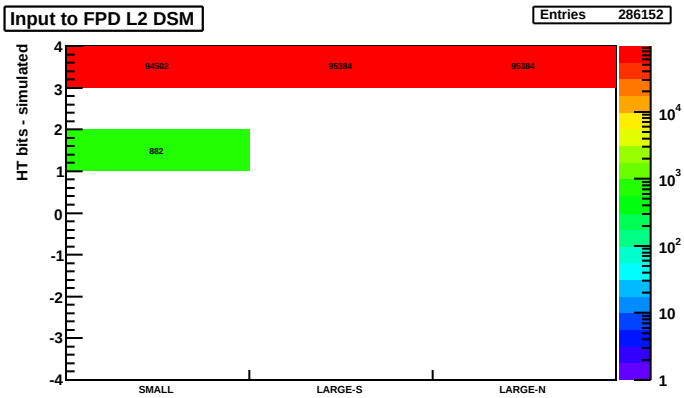

Input to FPD L2 DSM
Entries 763072
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

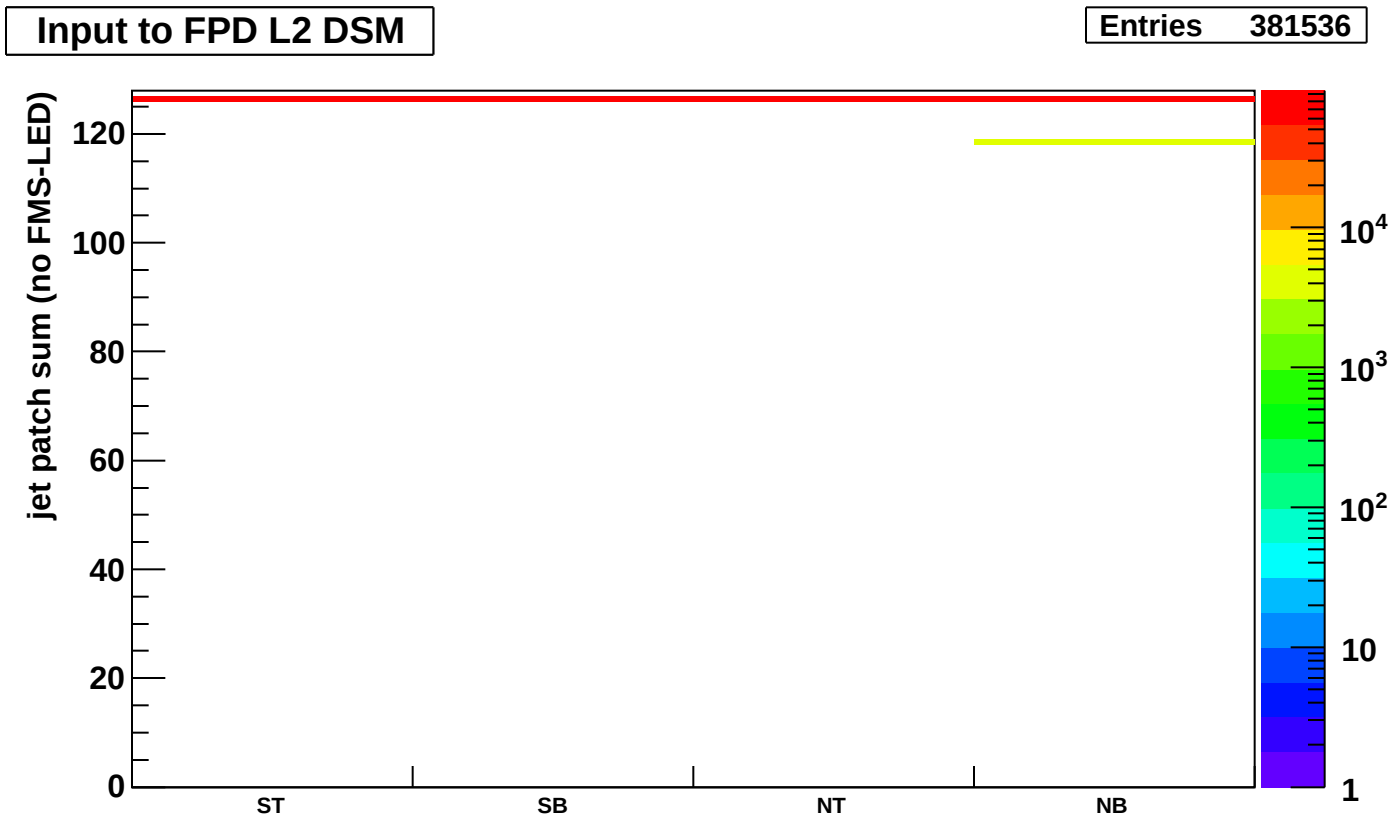

Input to FPD L2 DSM
Entries 763072
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

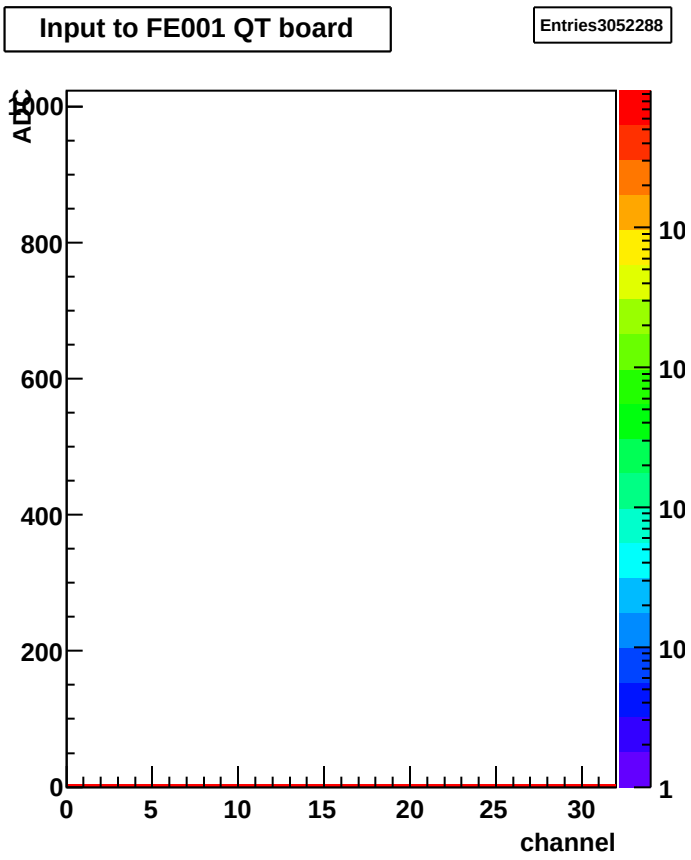

Input to FPD L2 DSM
Entries 286152
CL bits
95384
95384
95384
SMALL
LARGE-S
LARGE-N

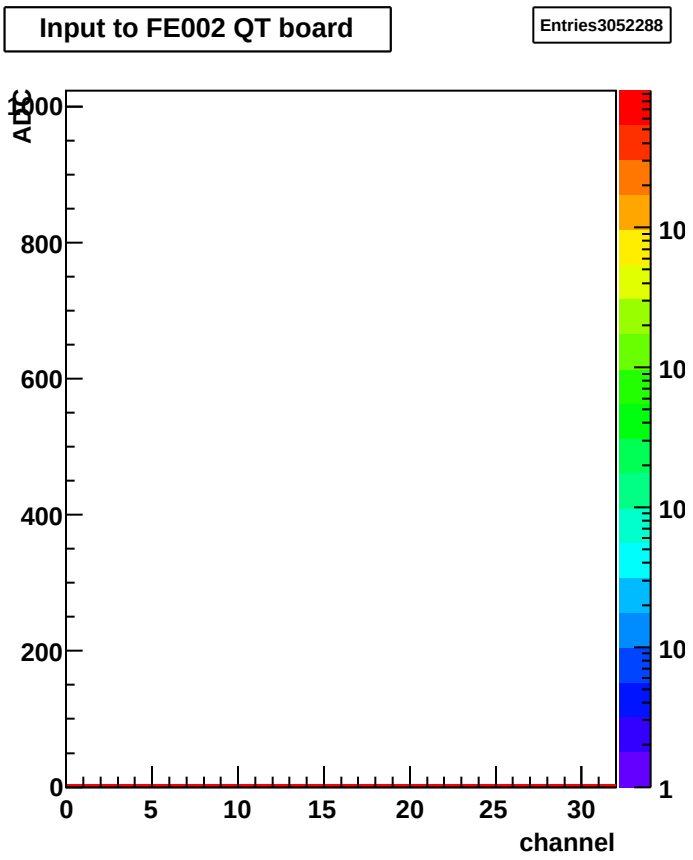

Input to FPD L2 DSM
Entries 286152
CL bits - simulated
95384
95384
95384
SMALL
LARGE-S
LARGE-N

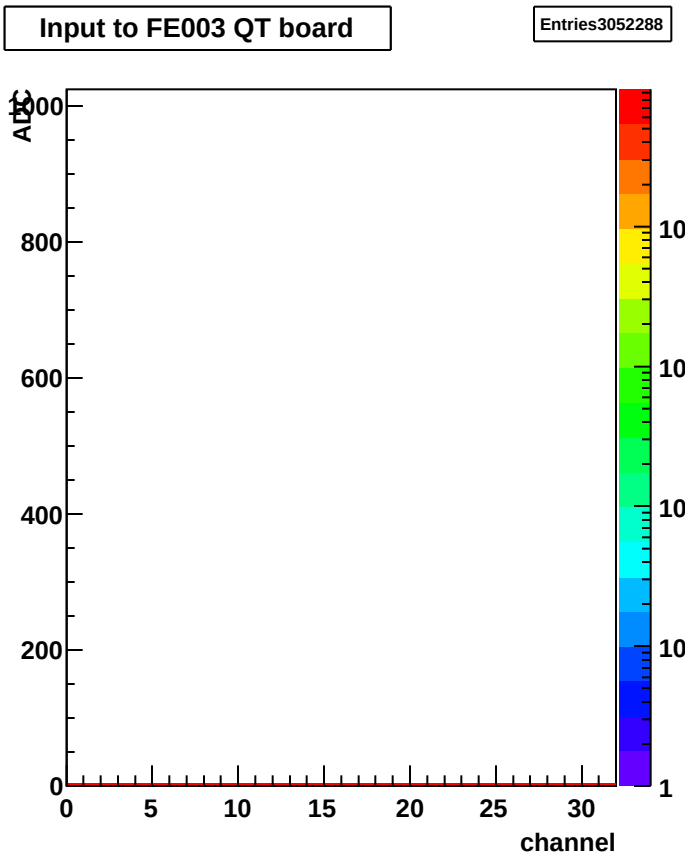

Input to FPD L2 DSM
Entries 286152
HT bits
94502
95384
95384
882
SMALL
LARGE-S
LARGE-N

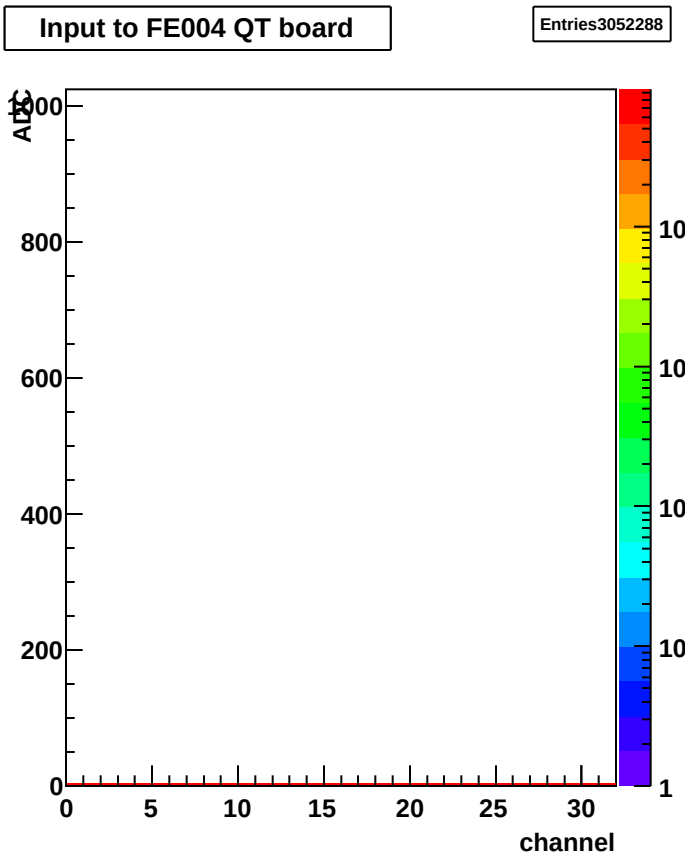

Input to FPD L2 DSM
Entries 286152
HT bits - simulated
94502
95384
95384
882
SMALL
LARGE-S
LARGE-N

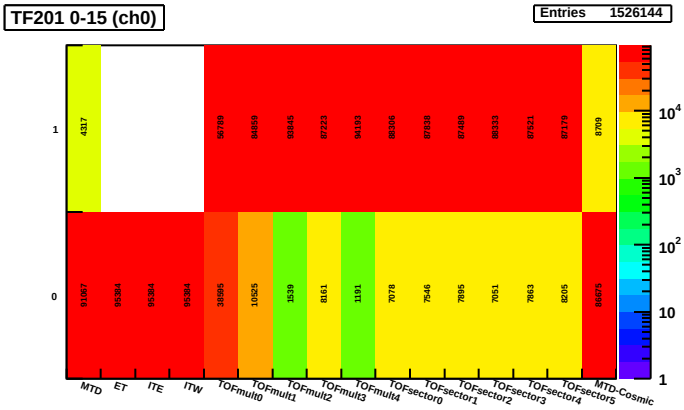

Input to FPD L2 DSM
Entries 381536
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

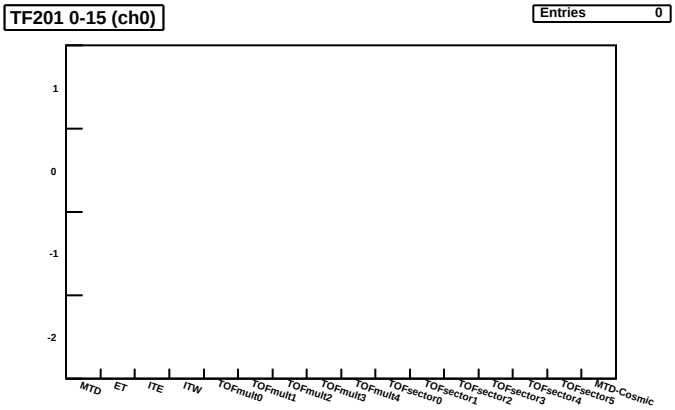

Input to FE001 QT board
Entries3052288
ADC
channel

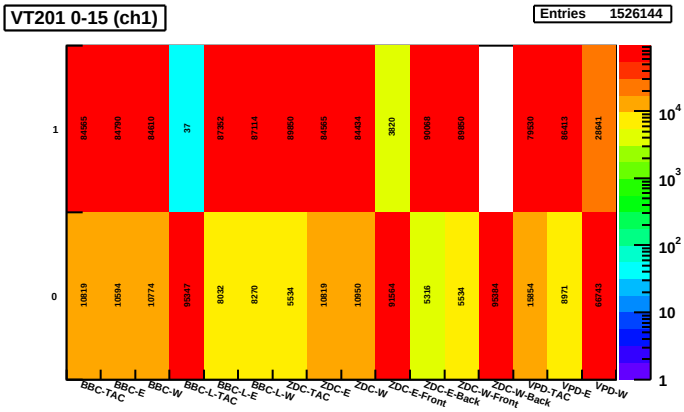

Input to FE002 QT board
Entries3052288
ADC
channel

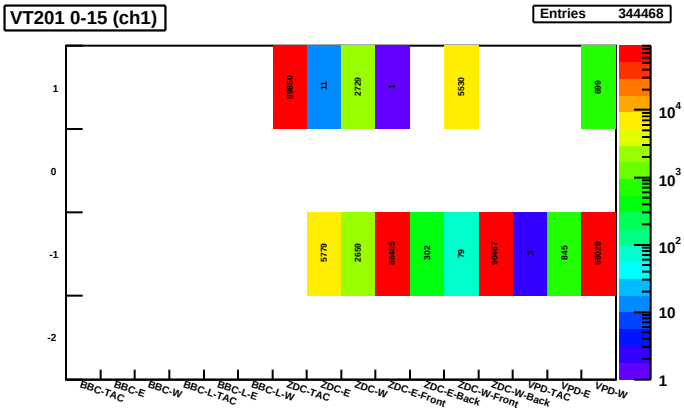

Input to FE003 QT board
Entries3052288
ADC
channel

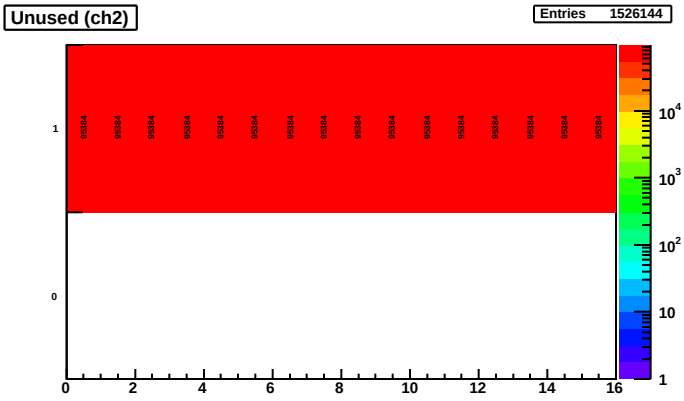

Input to FE004 QT board
Entries3052288
ADC
channel

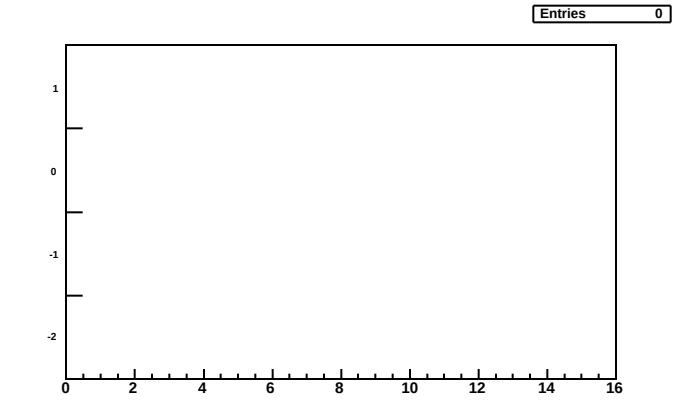

TF201 0-15 (ch0)
Entries 1526144
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

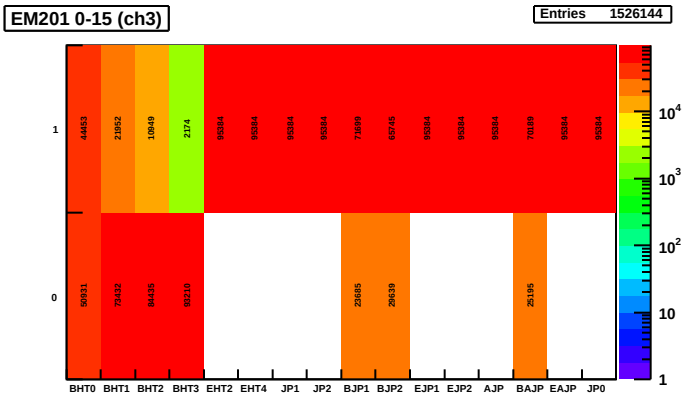

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

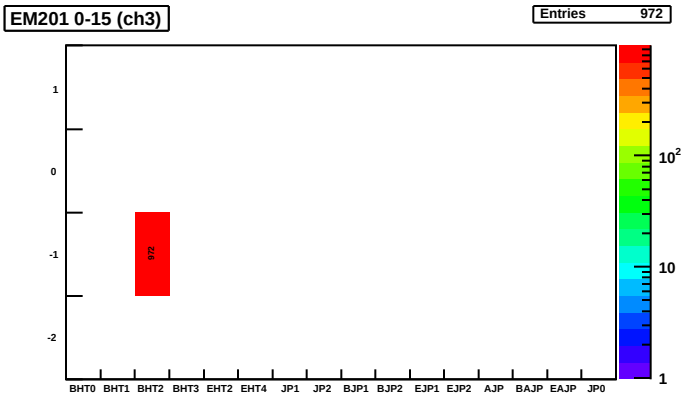

VT201 0-15 (ch1)
Entries 1526144
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 344468
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

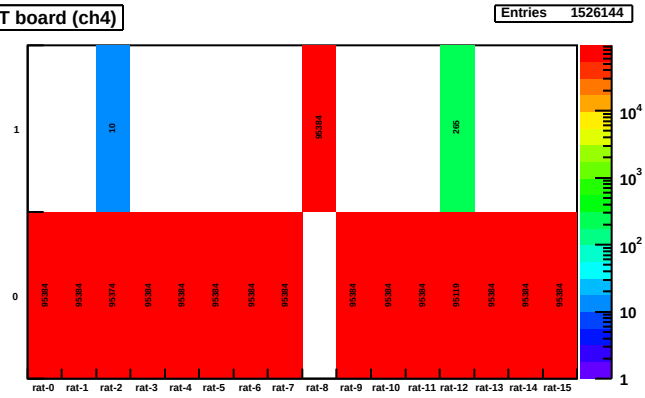

Unused (ch2)
Entries 1526144

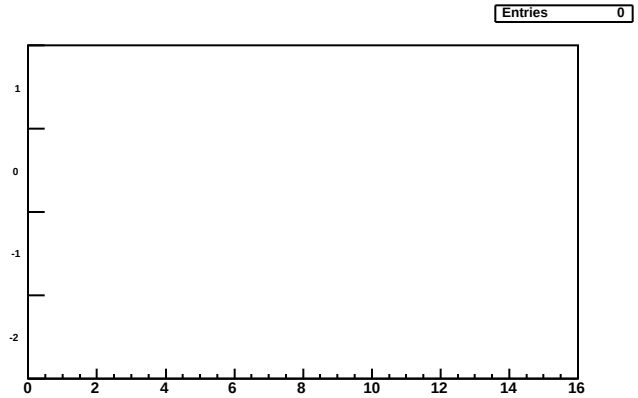

Entries 0


EM201 0-15 (ch3)
Entries 1526144
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

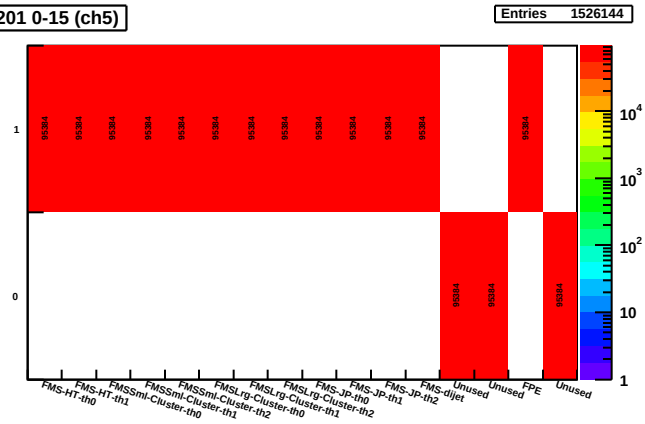

EM201 0-15 (ch3)
Entries 972
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

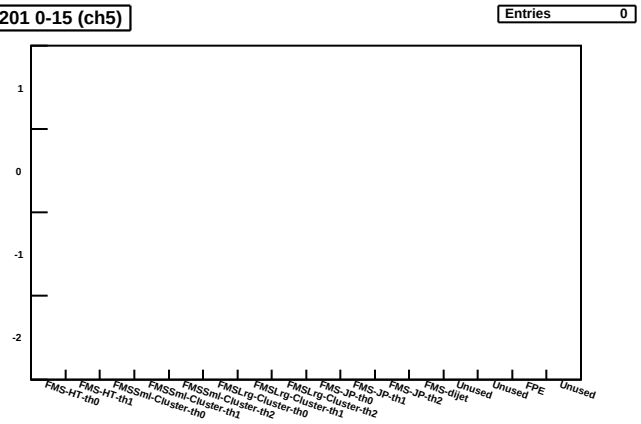




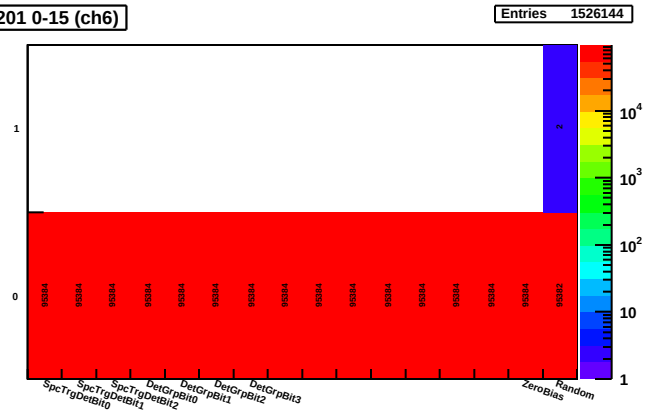
FP201 0-15 (ch5)

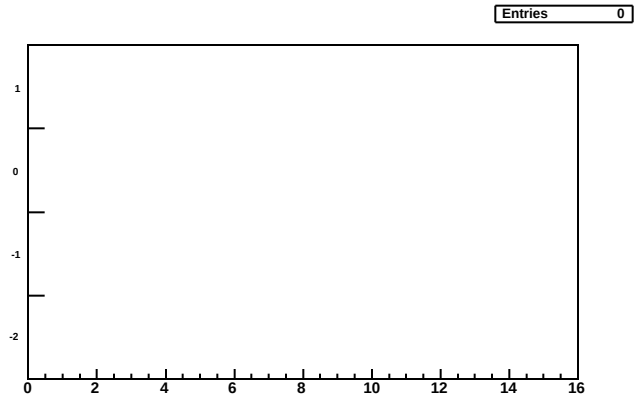
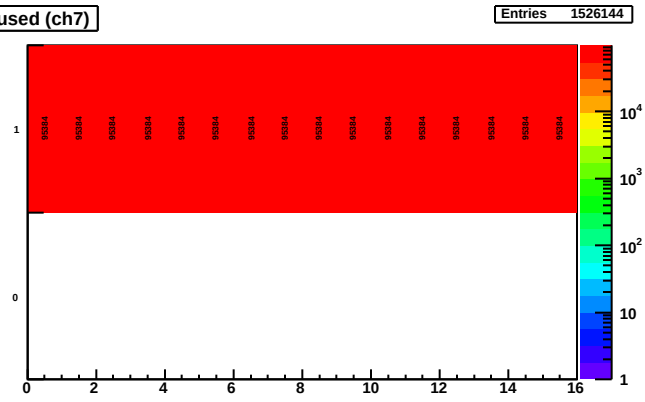
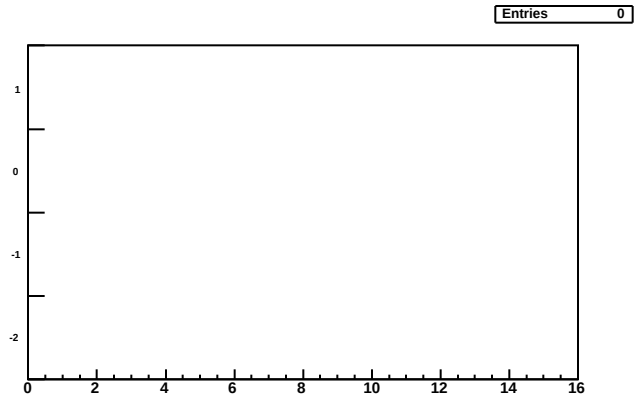


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)