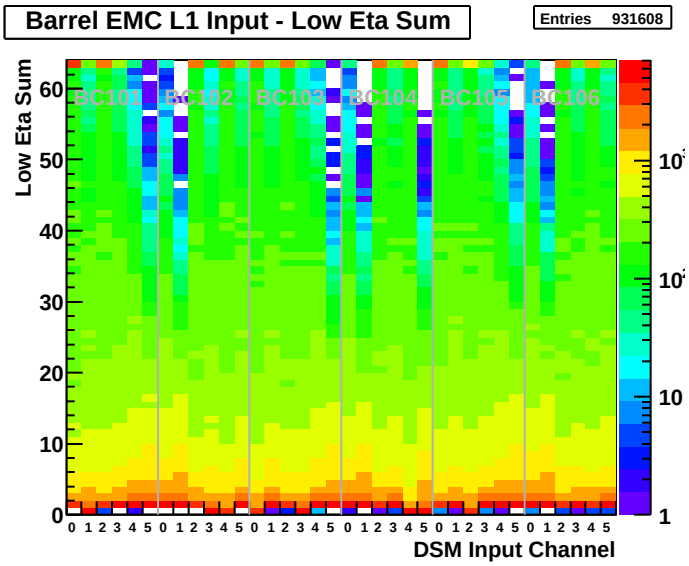
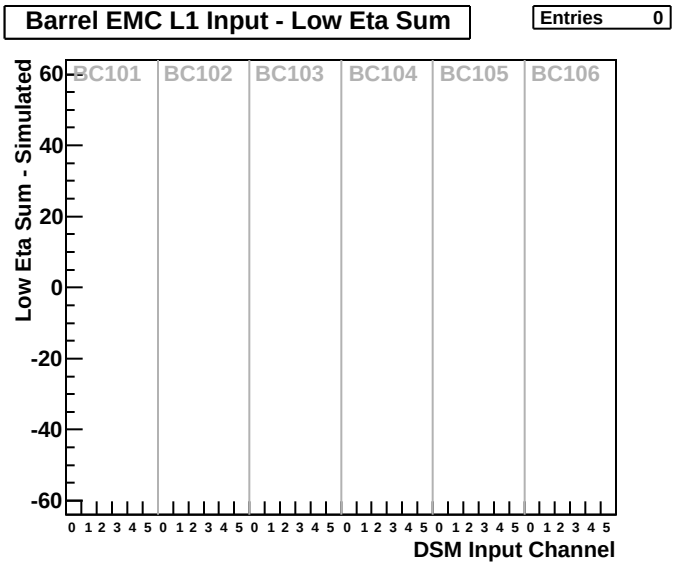
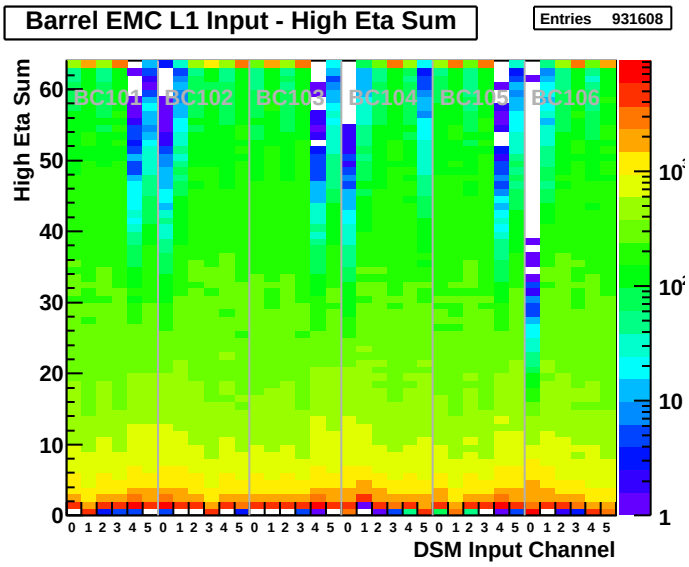
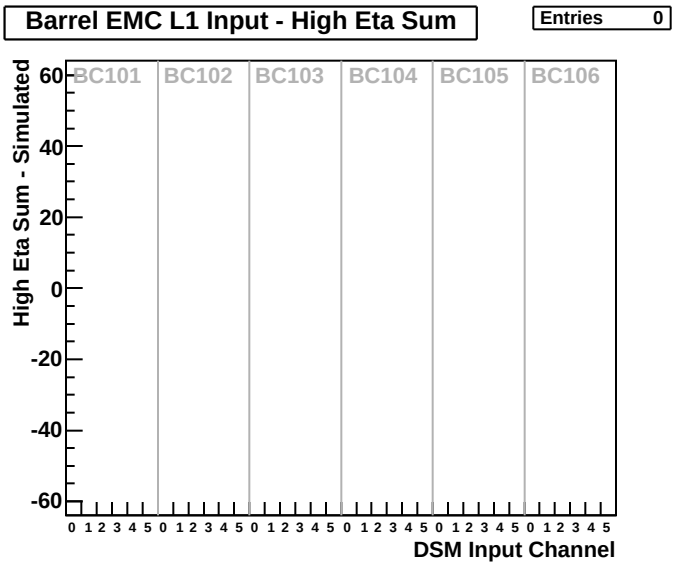
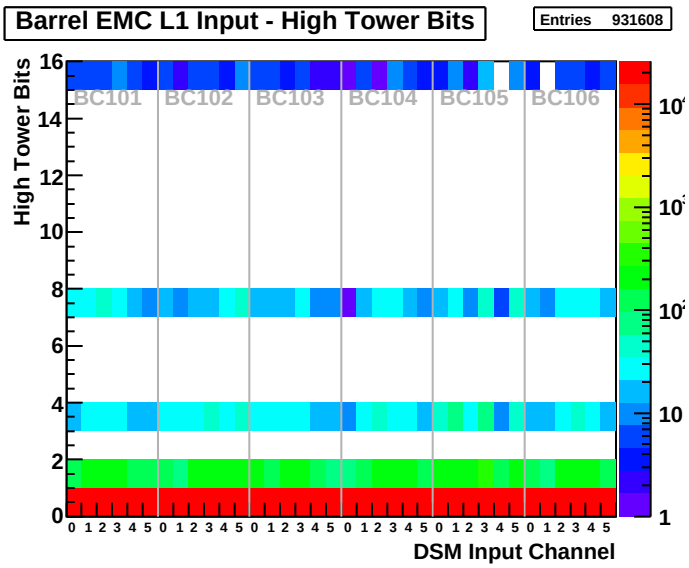
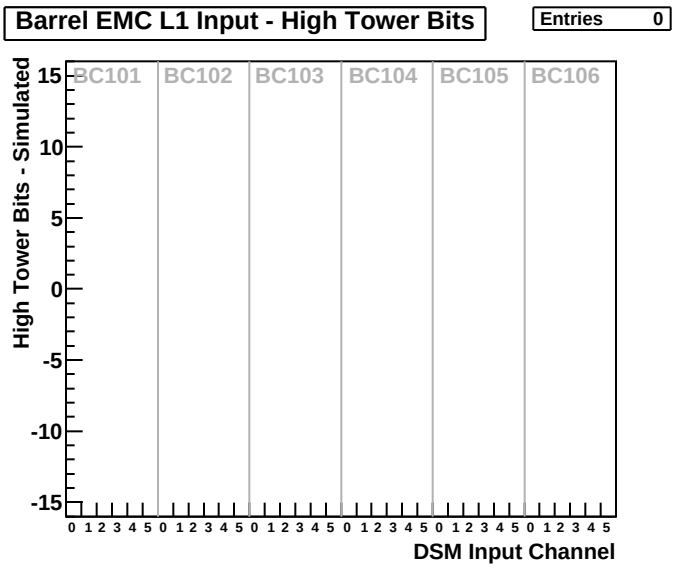

Barrel EMC L1 Input - Low Eta Sum
Entries 931608
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

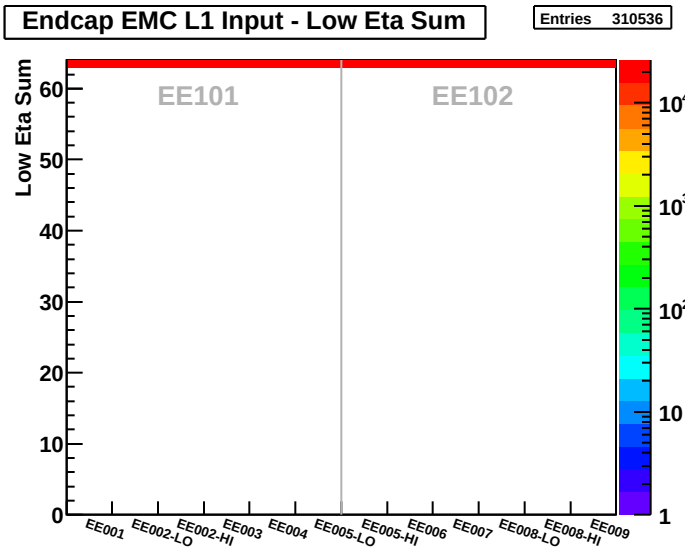

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

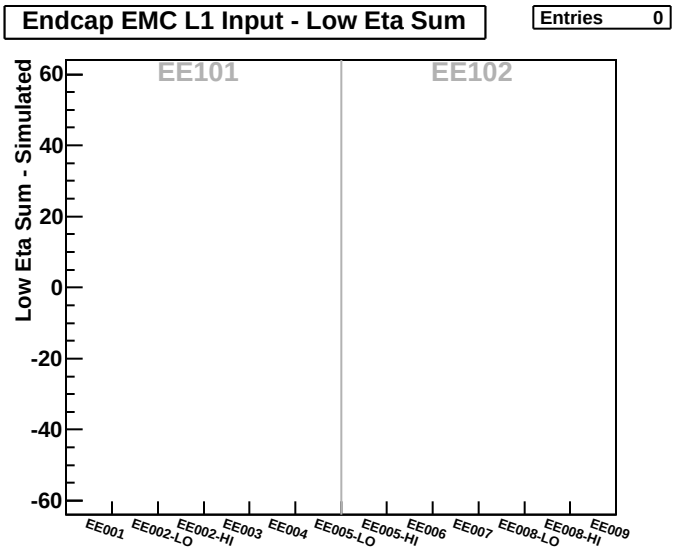

Barrel EMC L1 Input - High Eta Sum
Entries 931608
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

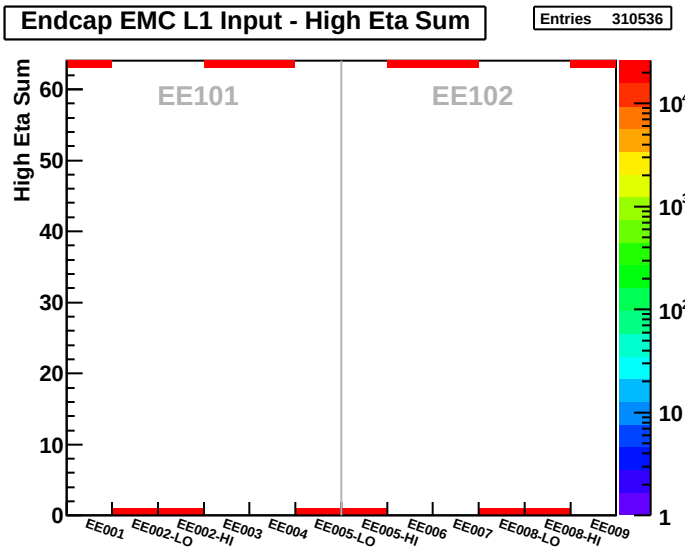

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

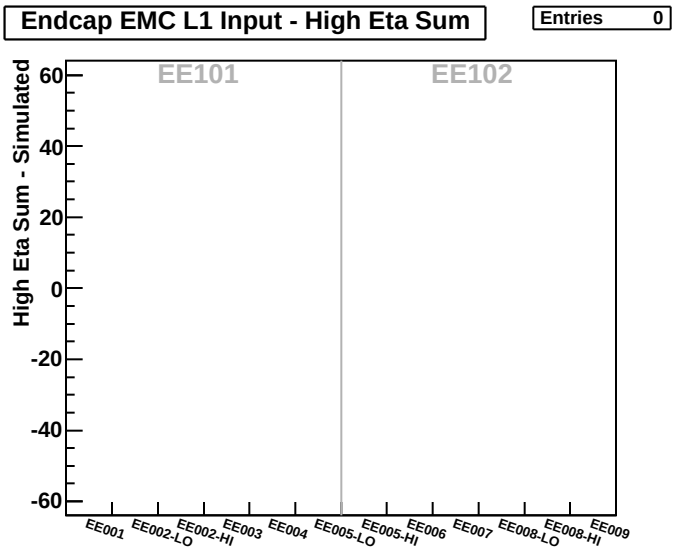

Barrel EMC L1 Input - High Tower Bits
Entries 931608
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

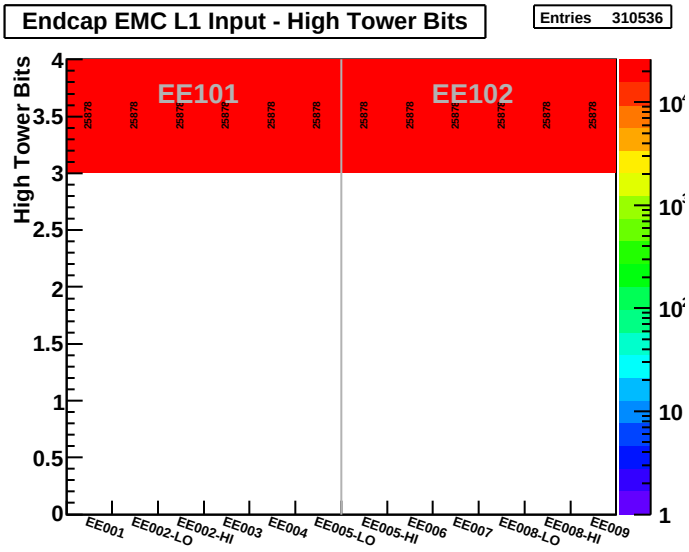

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

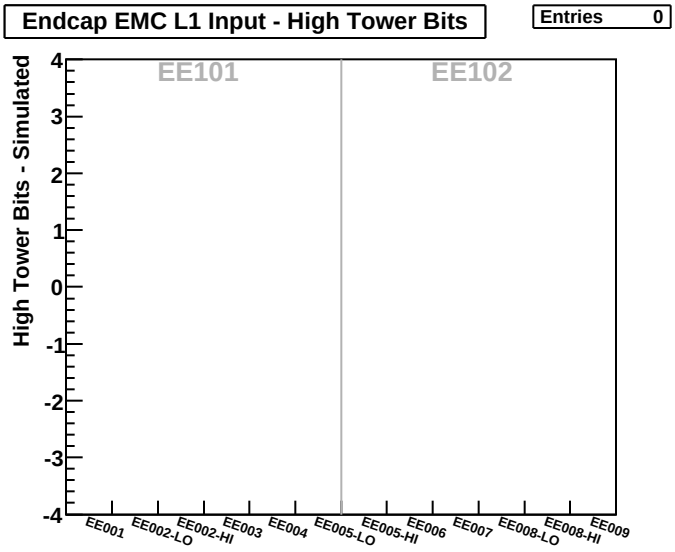

Endcap EMC L1 Input - Low Eta Sum
Entries 310536
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

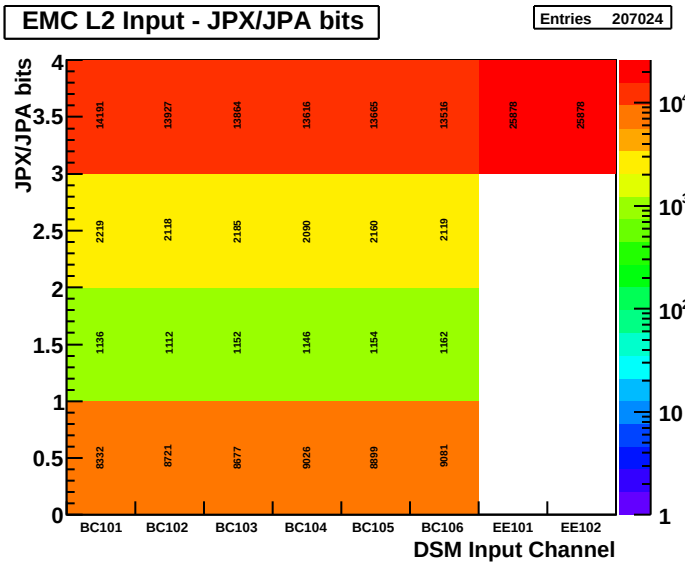

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

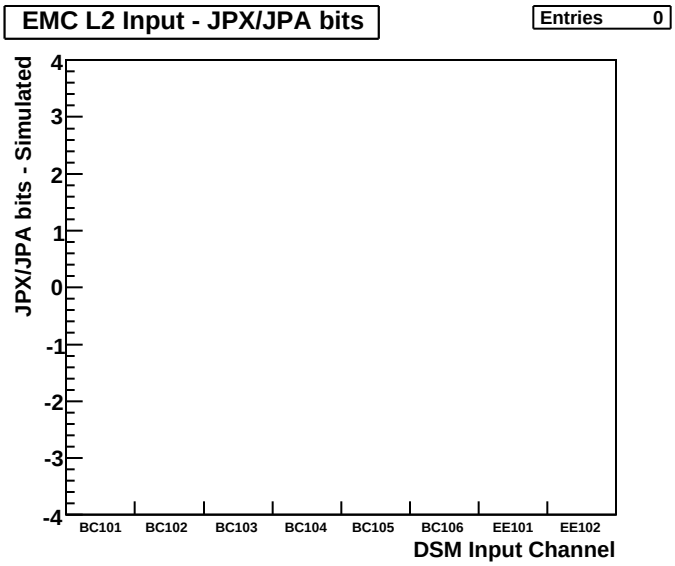

Endcap EMC L1 Input - High Eta Sum
Entries 310536
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

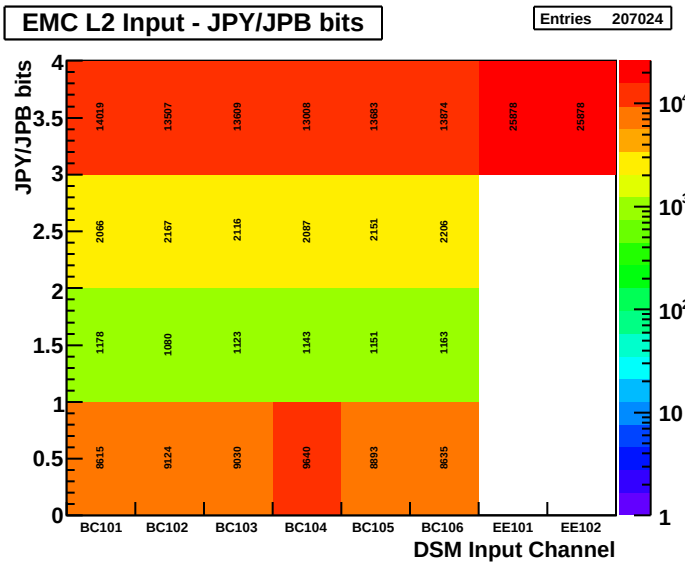

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

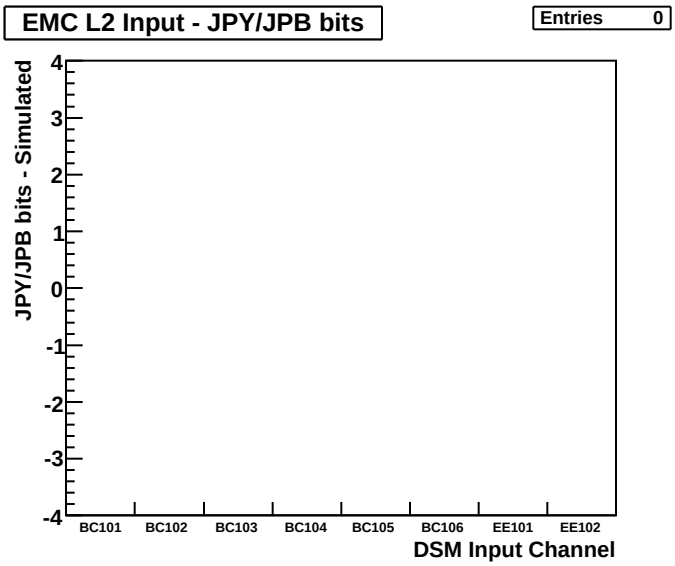

Endcap EMC L1 Input - High Tower Bits
Entries 310536
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

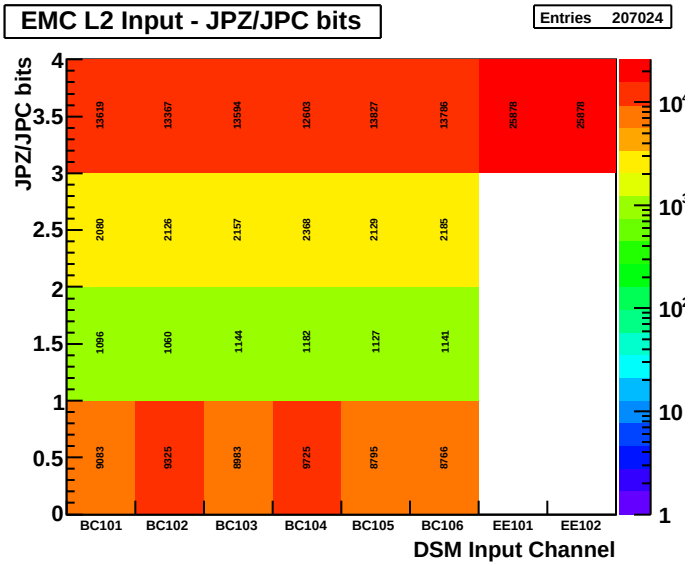

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

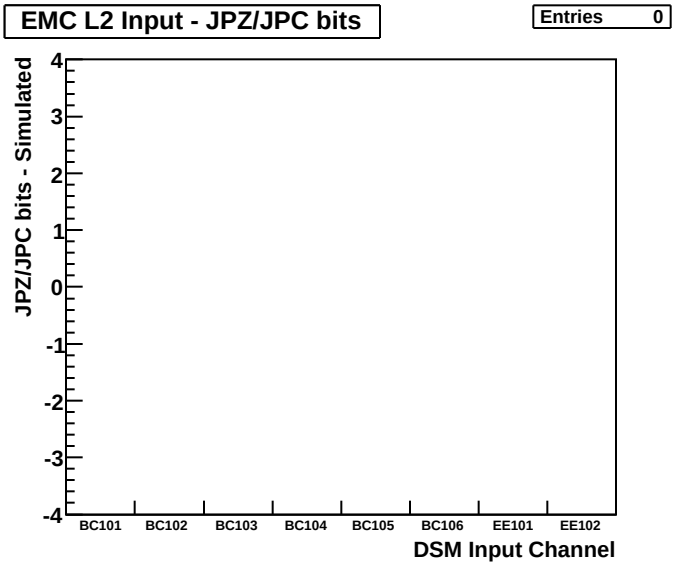

EMC L2 Input - JPX/JPA bits
Entries 207024
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
14191 13927 13864 13616 13665 13516 25878 25878
2219 2118 2185 2090 2160 2119
1136 1112 1152 1146 1154 1162
8332 8721 8677 9026 8899 9081

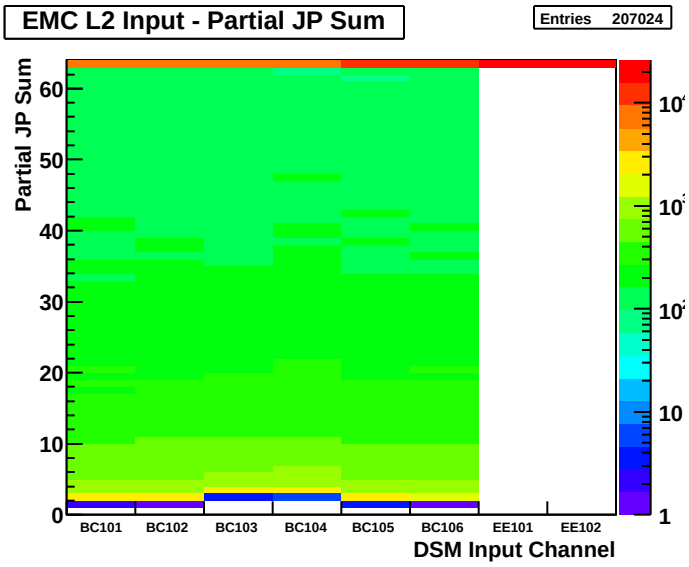

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

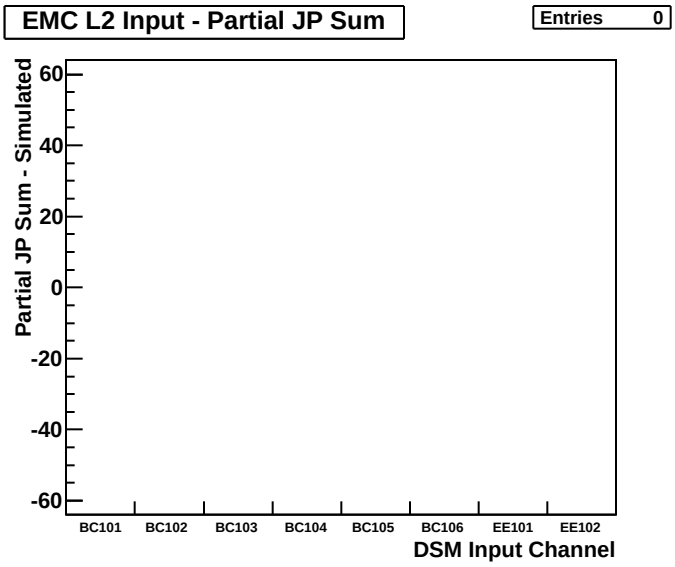

EMC L2 Input - JPY/JPB bits
Entries 207024
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
14019 13507 13609 13008 13683 13874 25878 25878
2066 2167 2116 2087 2151 2206
1178 1080 1123 1143 1151 1163
8615 9124 9030 9640 8893 8635

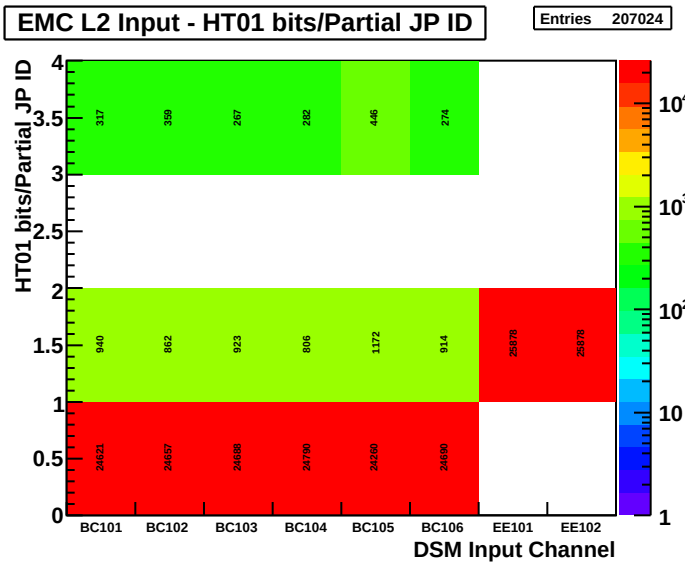

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

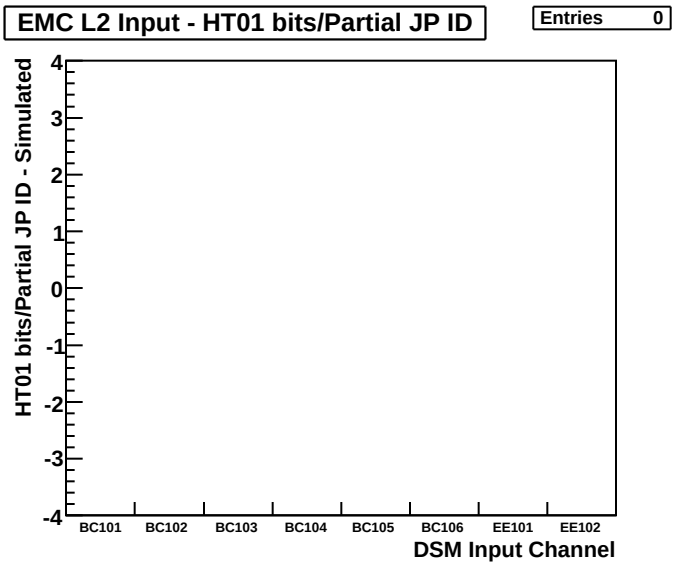

EMC L2 Input - JPZ/JPC bits
Entries 207024
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
13619 13367 13594 12603 13827 13786 25878 25878
2080 2126 2157 2368 2129 2185
1096 1060 1144 1182 1127 1141
9083 8325 8983 9725 8795 8766

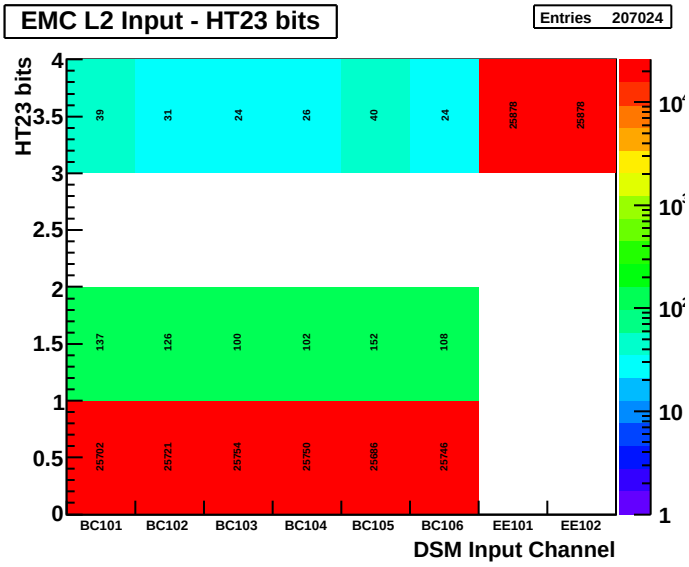

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

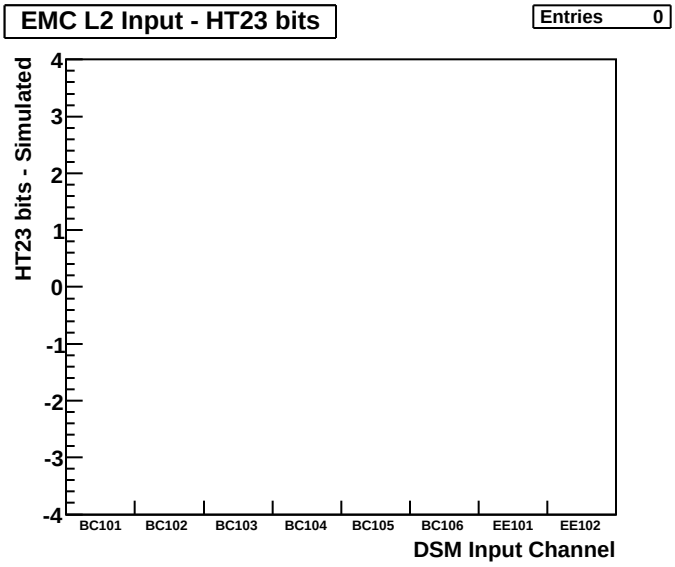

EMC L2 Input - Partial JP Sum
Entries 207024
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

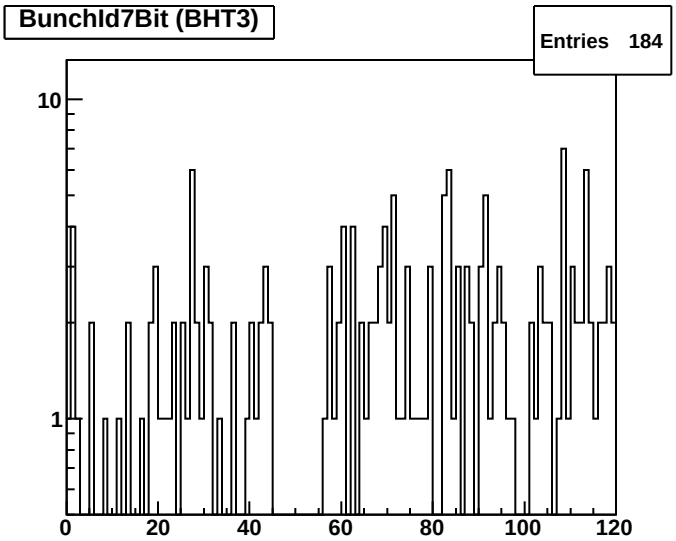

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

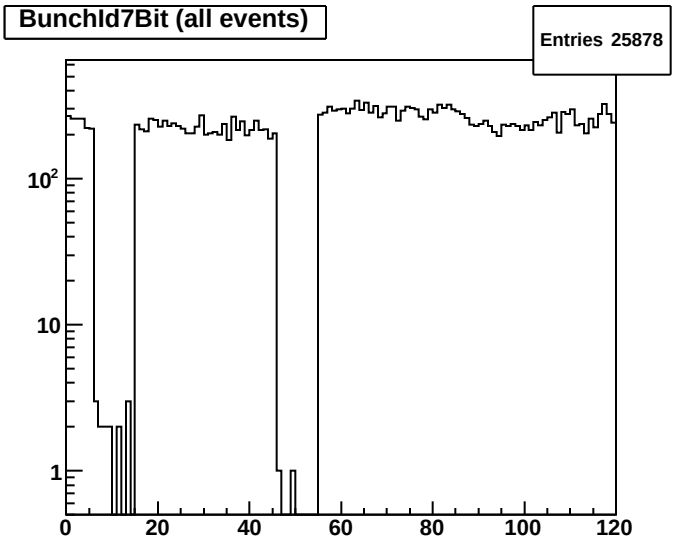

EMC L2 Input - HT01 bits/Partial JP ID
Entries 207024
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

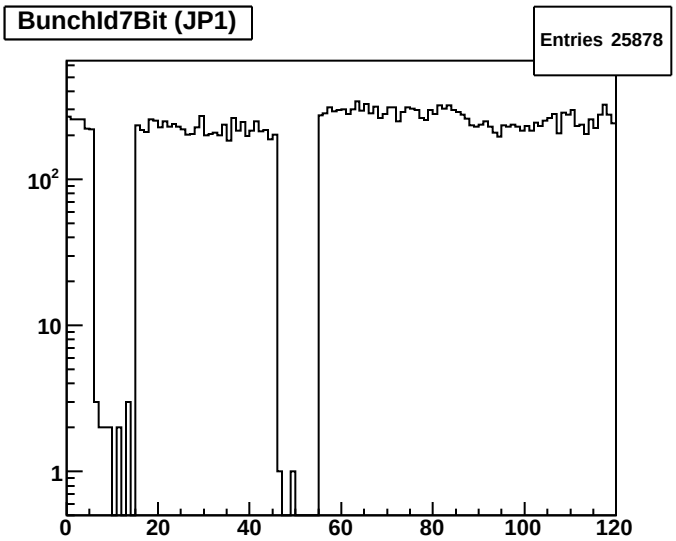

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

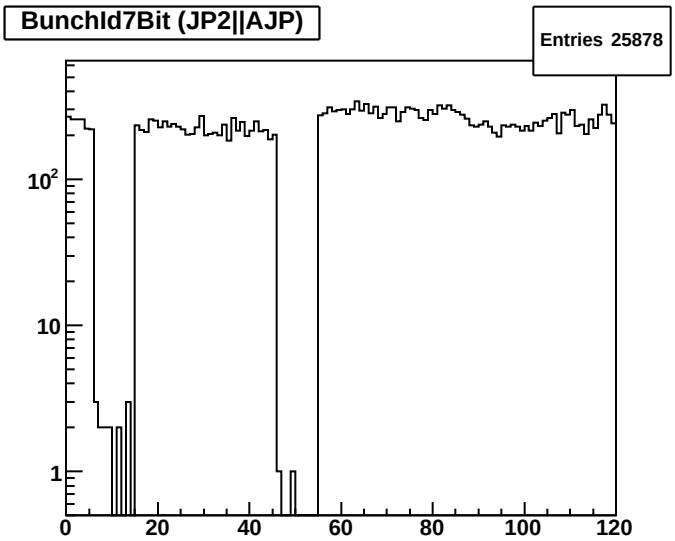

EMC L2 Input - HT23 bits
Entries 207024
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

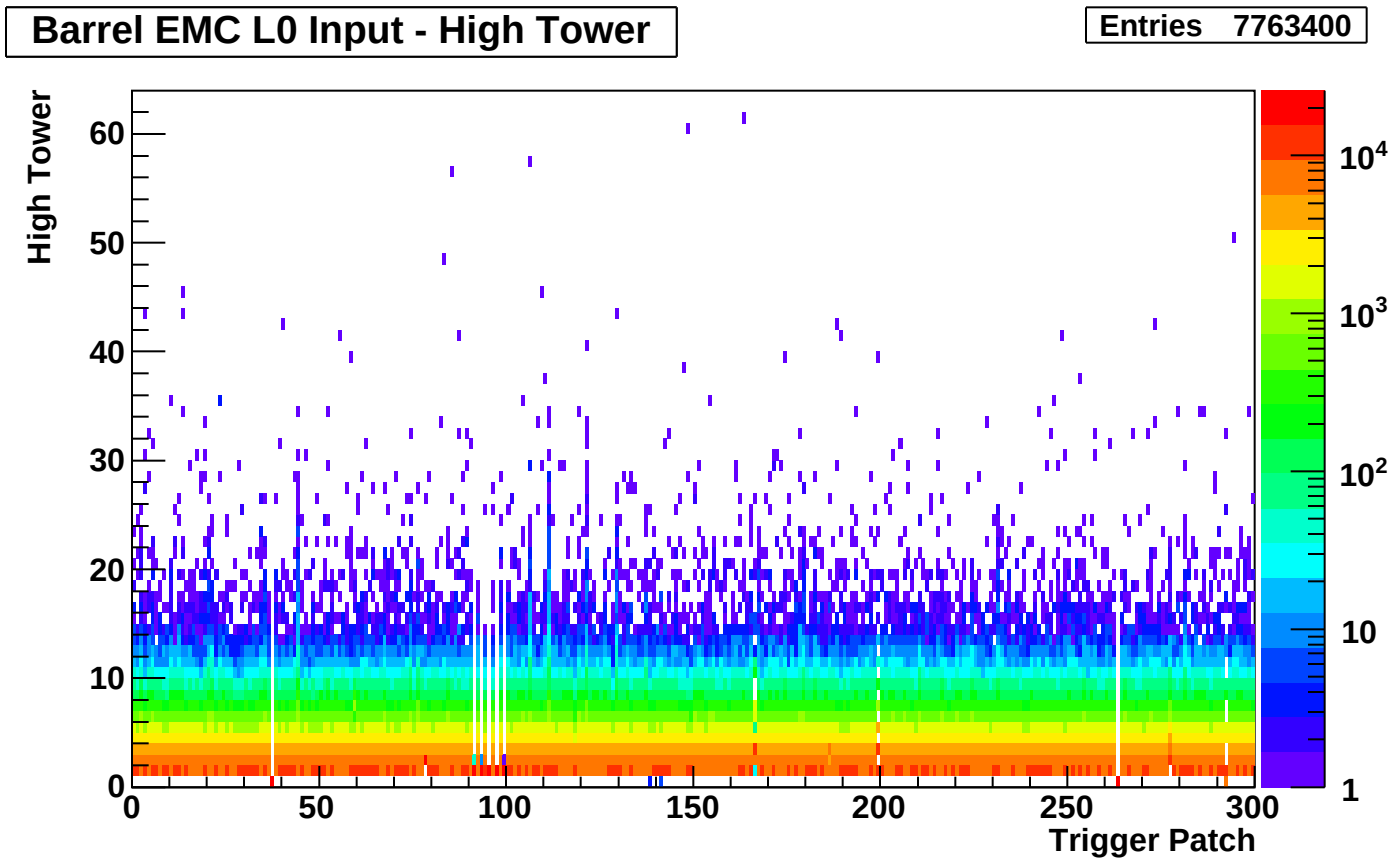

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

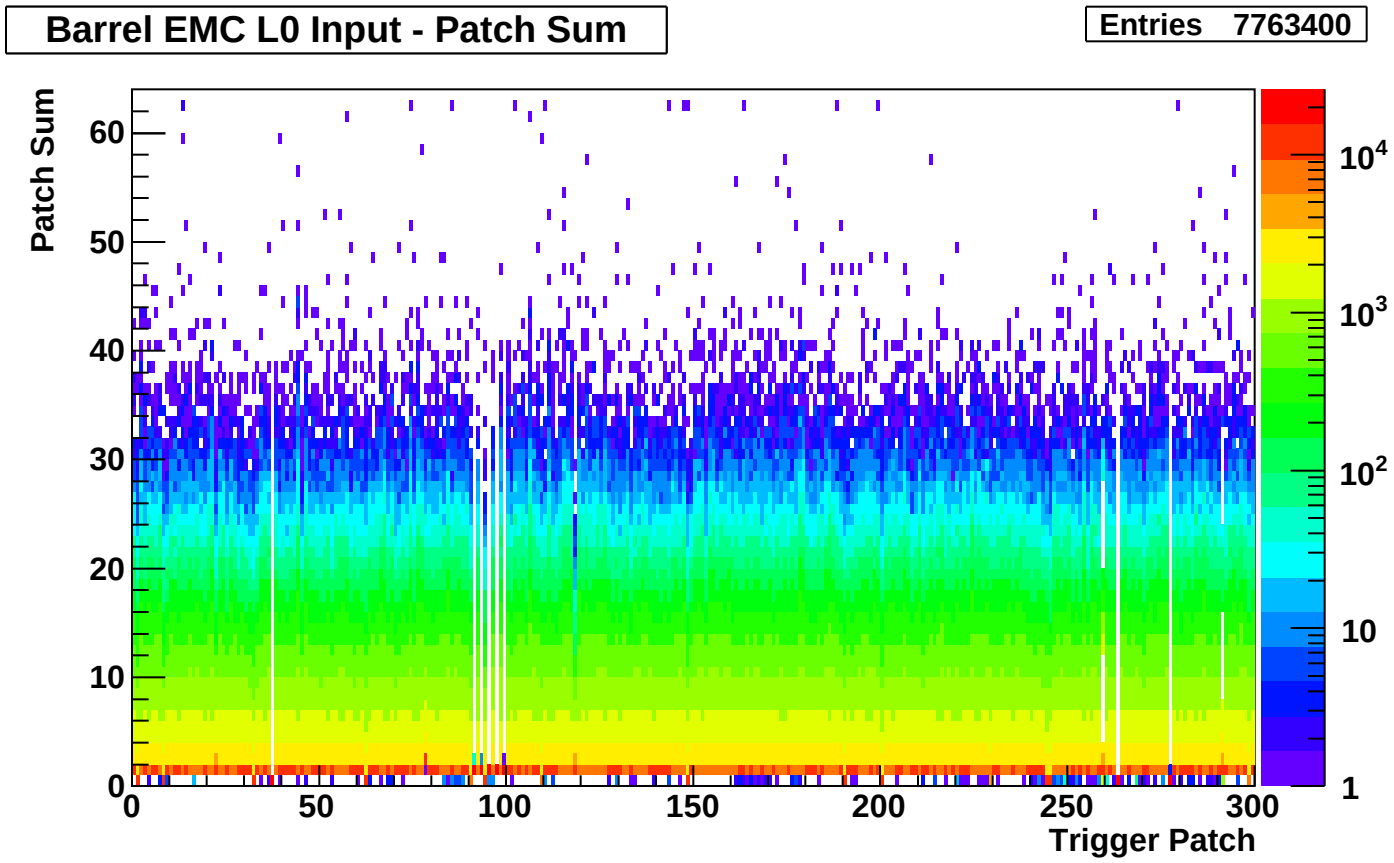

BunchId7Bit (BHT3)
Entries 184
10
1
0
20
40
60
80
100
120

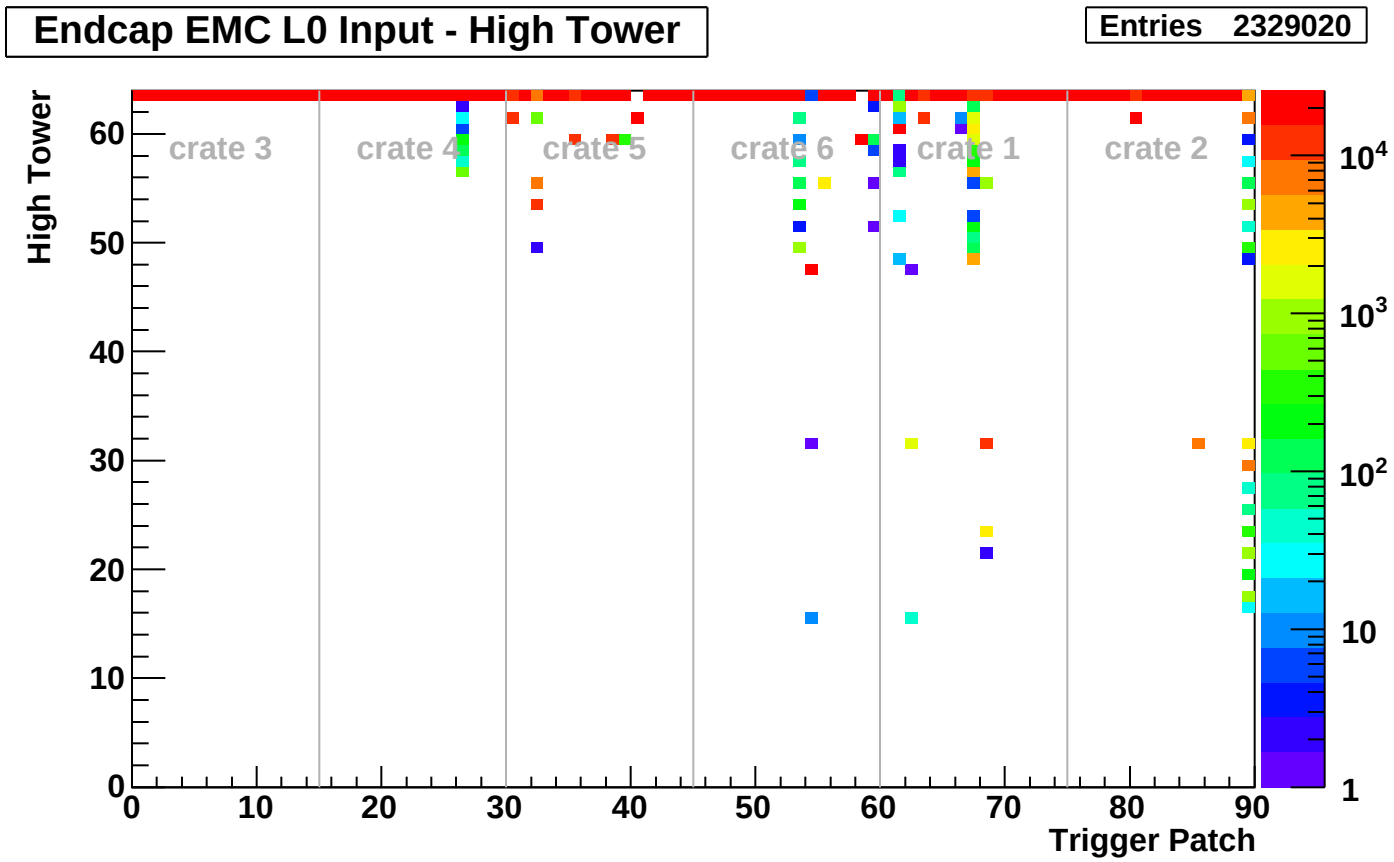

BunchId7Bit (all events)
Entries 25878
10^2
10
1
0
20
40
60
80
100
120

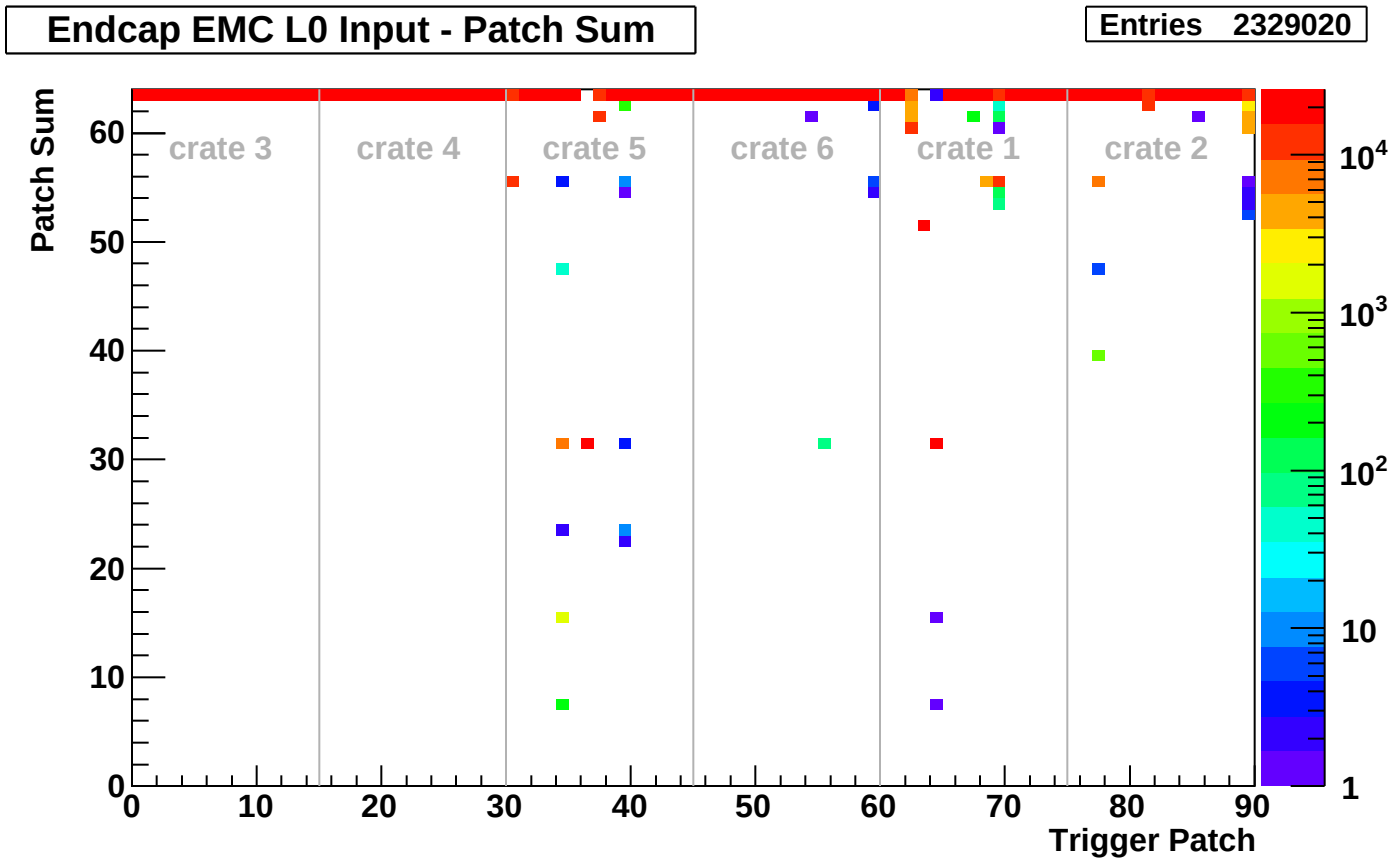

BunchId7Bit (JP1)
Entries 25878
10^2
10
1
0
20
40
60
80
100
120

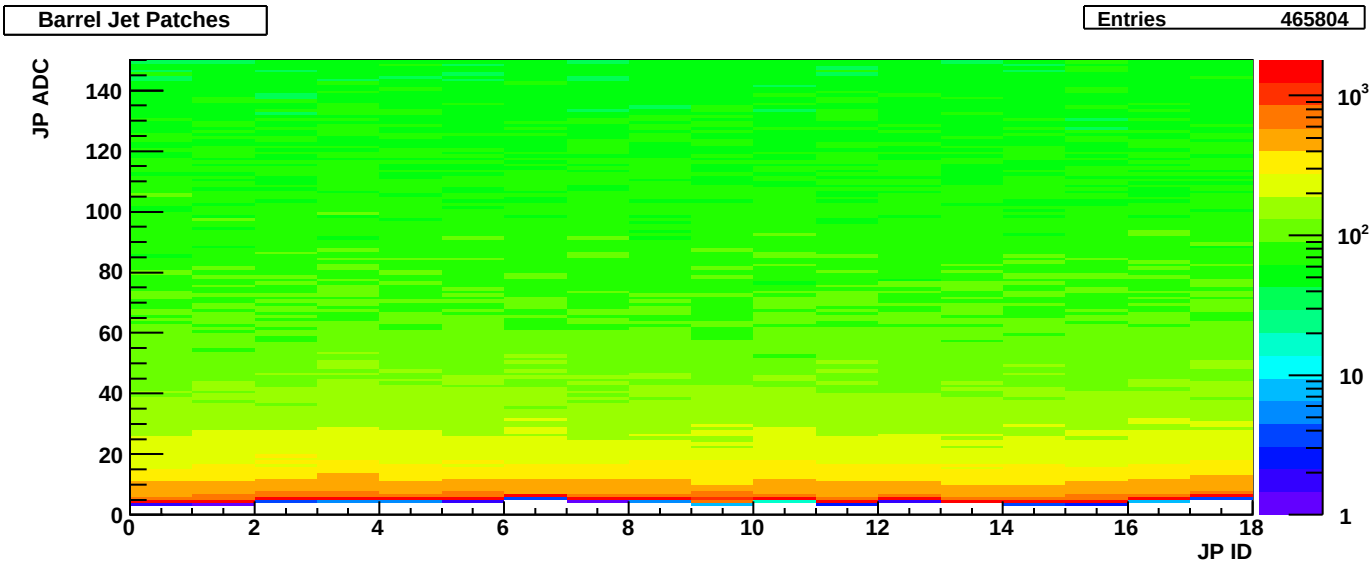

BunchId7Bit (JP2||AJP)
Entries 25878
10^2
10
1
0
20
40
60
80
100
120

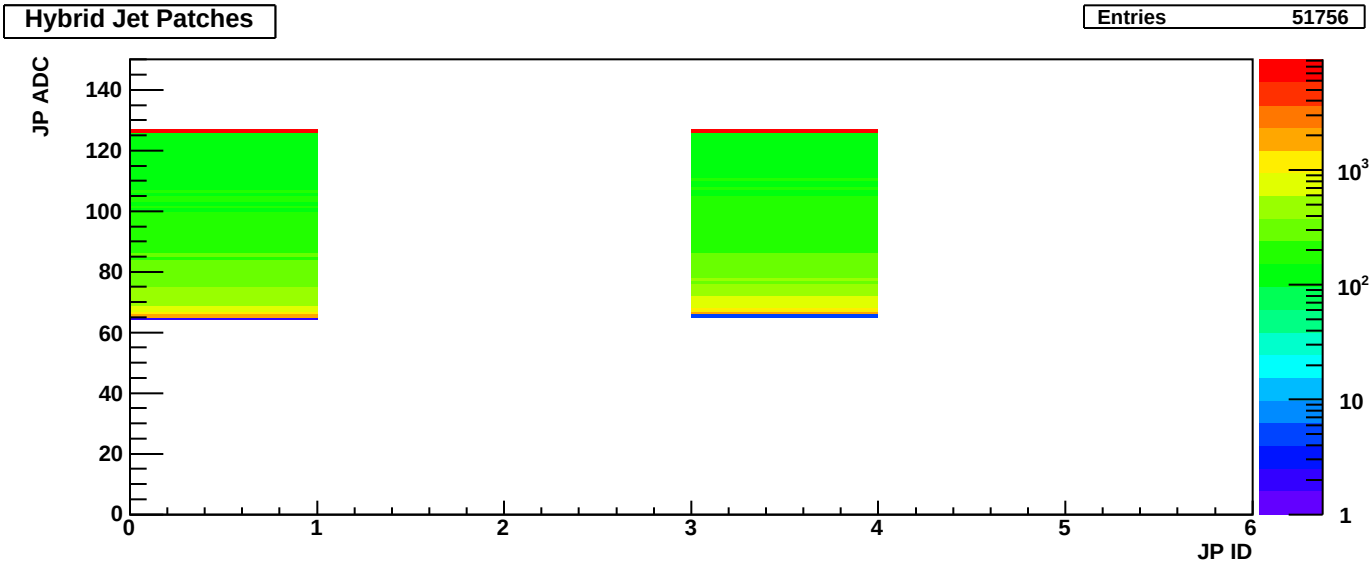

Barrel EMC L0 Input - High Tower
Entries 7763400
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

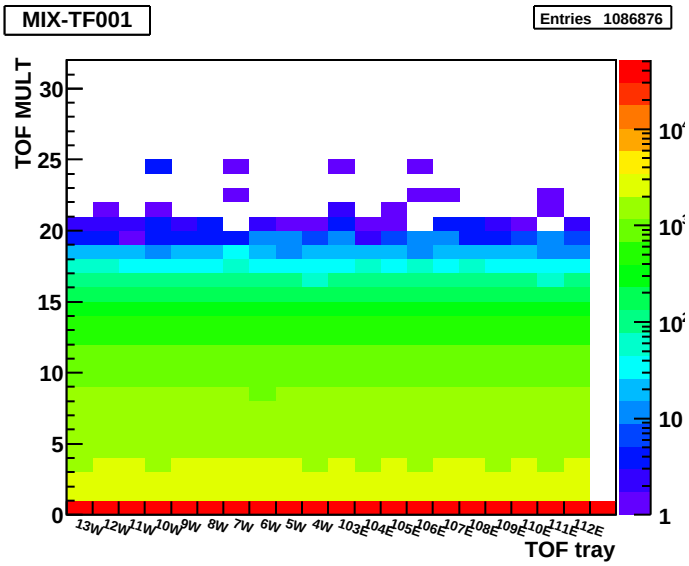

Barrel EMC L0 Input - Patch Sum
Entries 7763400
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

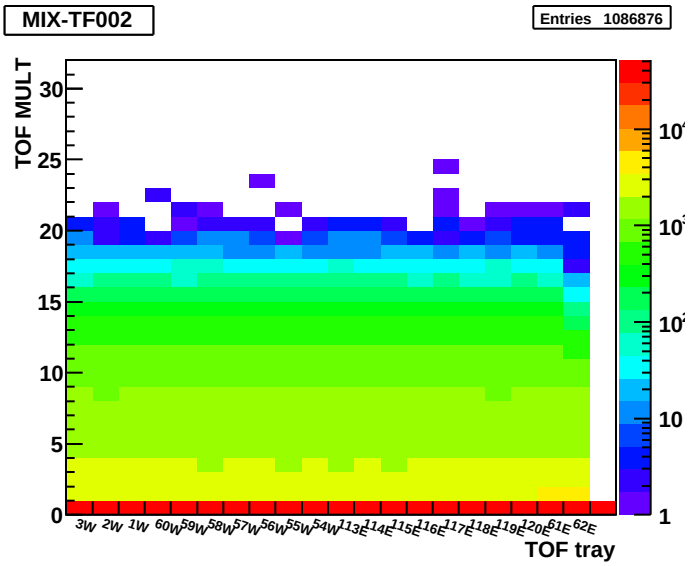

Endcap EMC L0 Input - High Tower
Entries 2329020
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

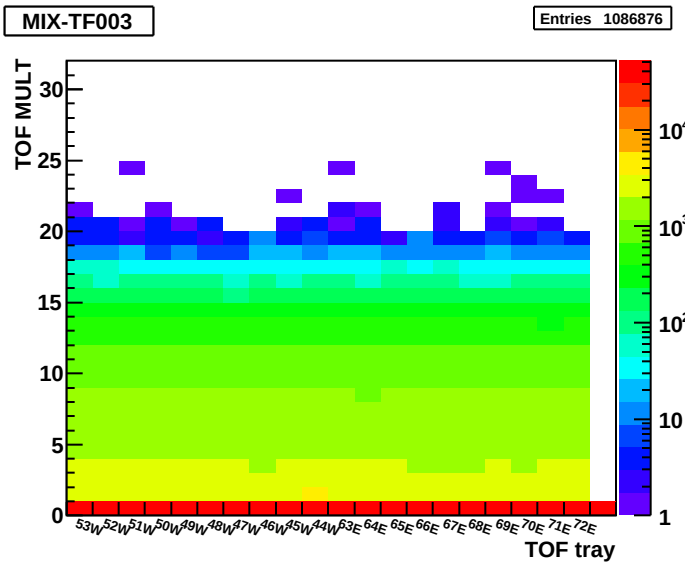

Endcap EMC L0 Input - Patch Sum
Entries 2329020
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

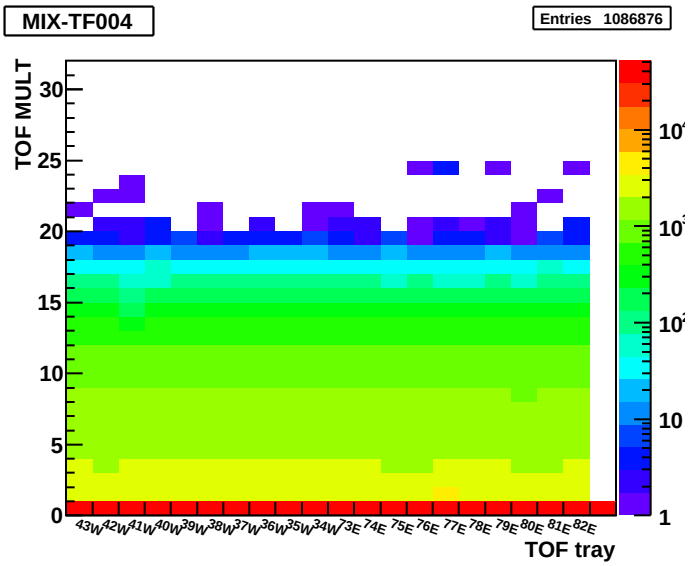

Barrel Jet Patches
Entries 465804
JP ADC
JP ID

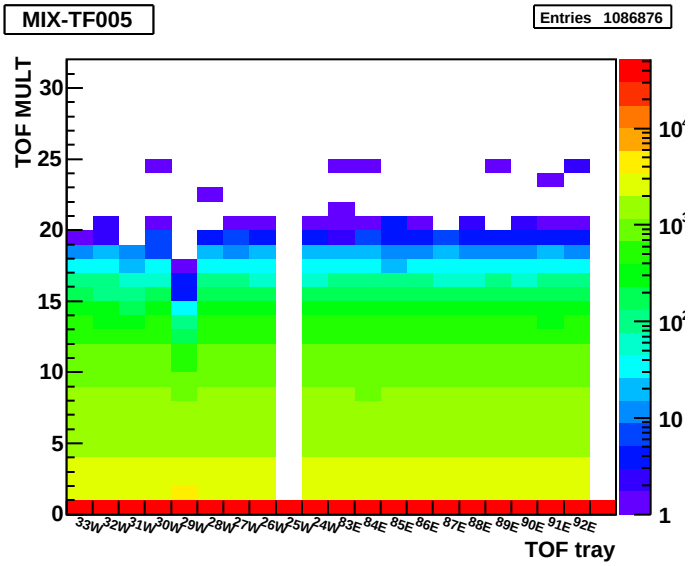

Hybrid Jet Patches
Entries 51756
JP ADC
JP ID

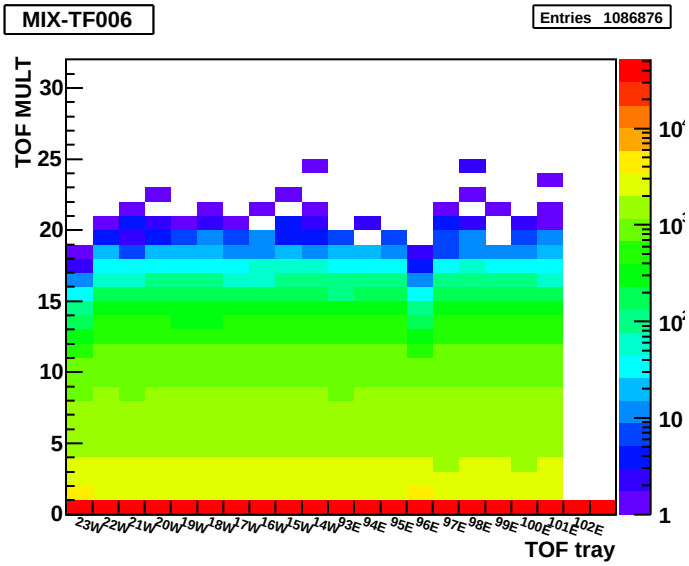

MIX-TF001
Entries 1086876
TOF MULT
TOF tray

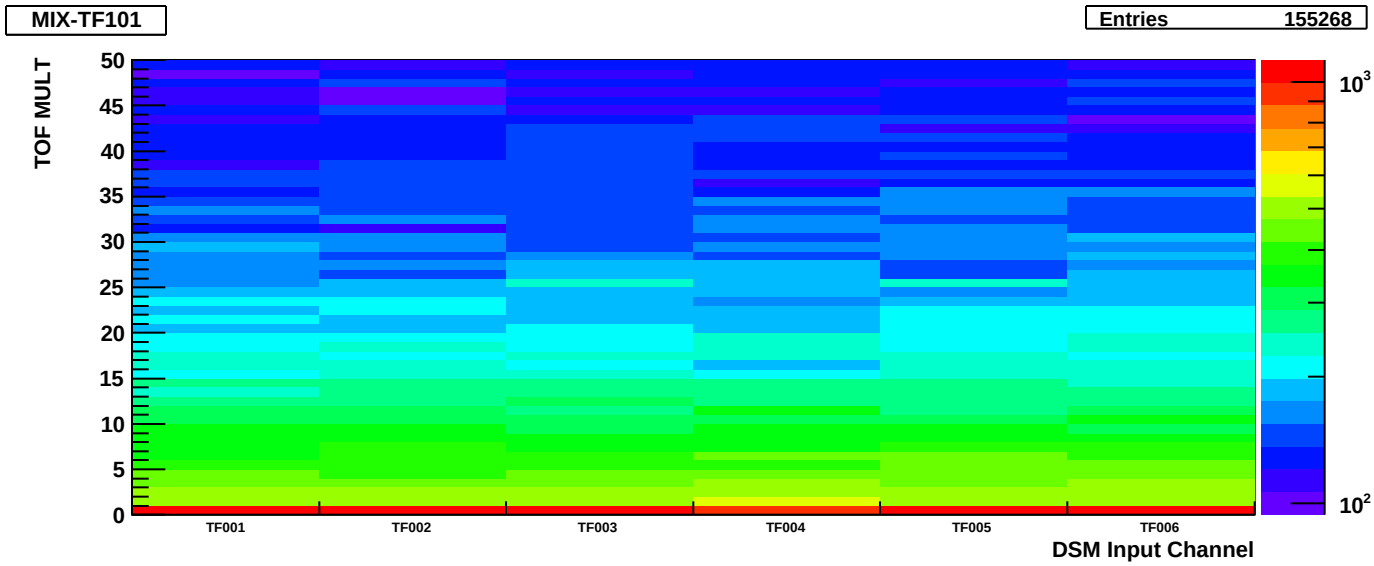

MIX-TF002
Entries 1086876
TOF MULT
TOF tray

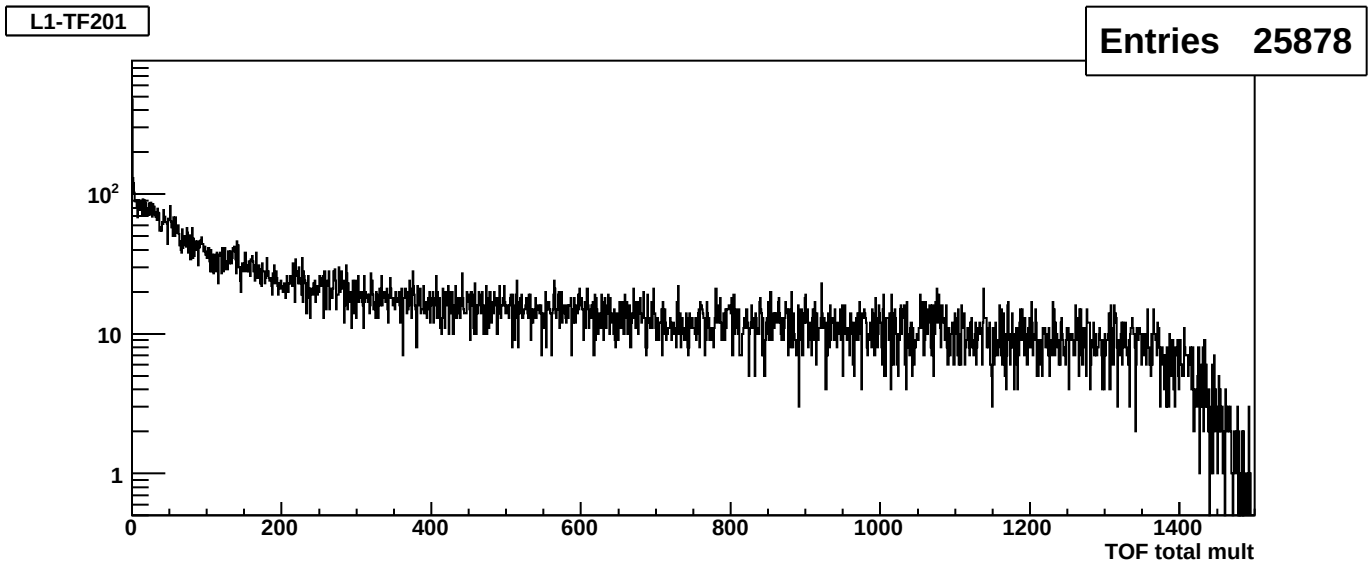

MIX-TF003
Entries 1086876
TOF MULT
TOF tray

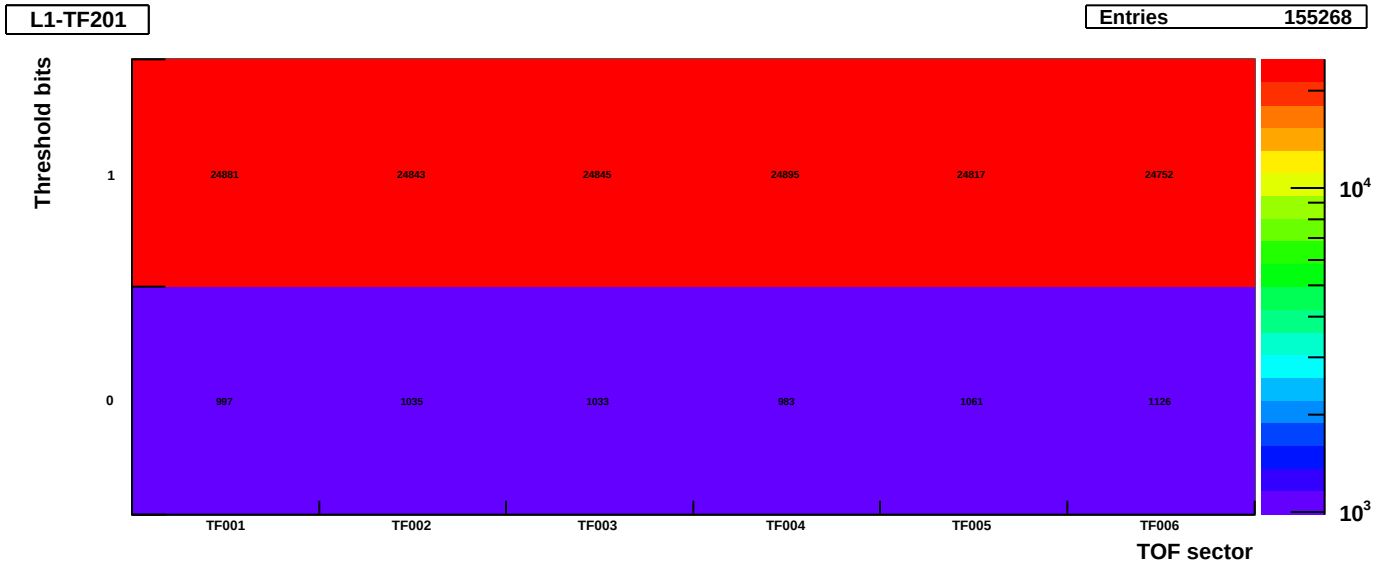

MIX-TF004
Entries 1086876
TOF MULT
TOF tray

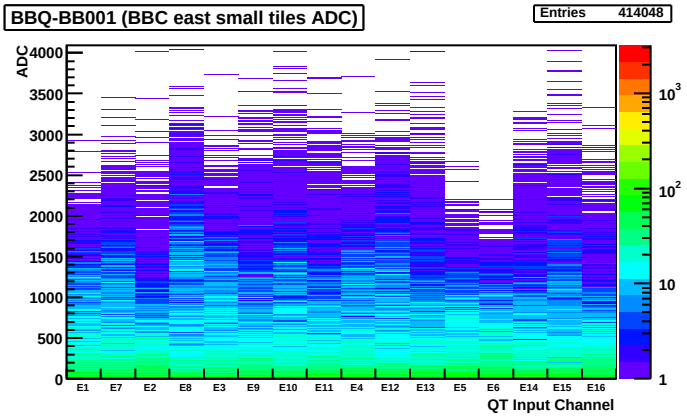

MIX-TF005
Entries 1086876
TOF MULT
TOF tray

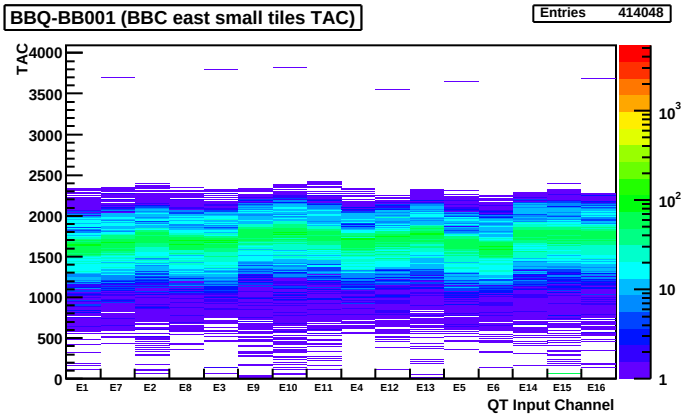

MIX-TF006
Entries 1086876
TOF MULT
TOF tray

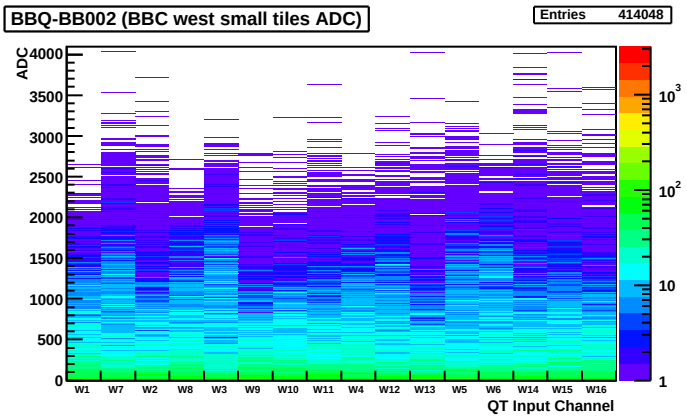

MIX-TF101
Entries 155268
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2

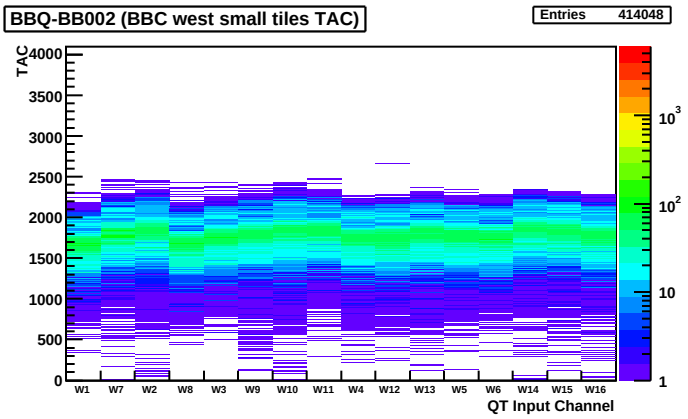

L1-TF201
Entries 25878
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

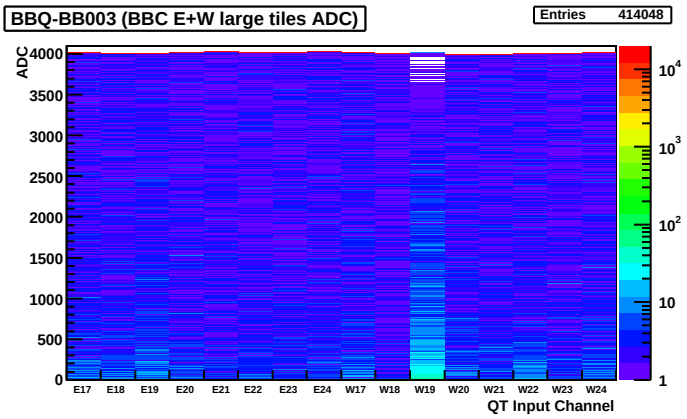

L1-TF201
Entries 155268
Threshold bits
1
0
24881
24843
24845
24895
24817
24752
997
1035
1033
983
1061
1126
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4
10^3

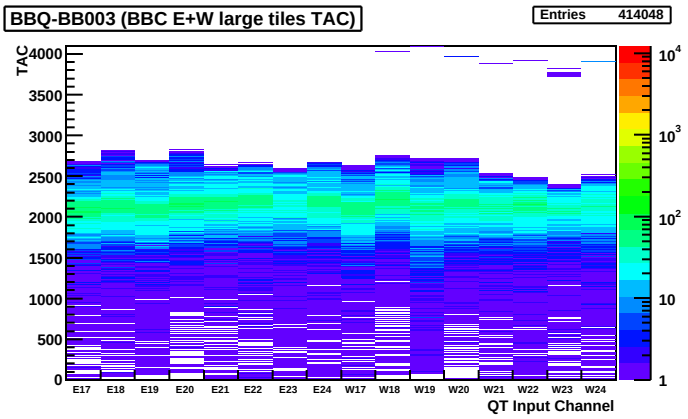

BBQ-BB001 (BBC east small tiles ADC)
Entries 414048
ADC
QT Input Channel

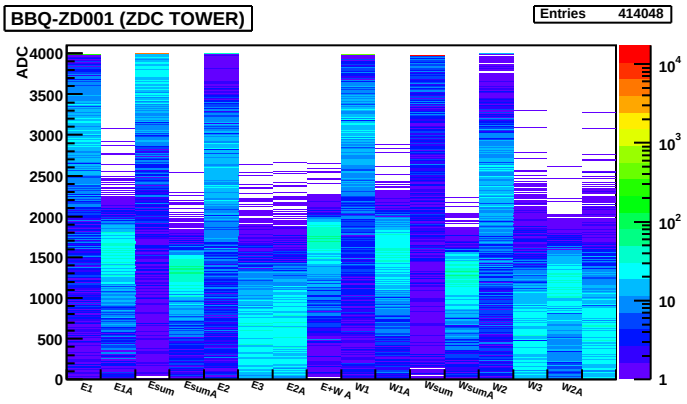

BBQ-BB001 (BBC east small tiles TAC)
Entries 414048
TAC
QT Input Channel

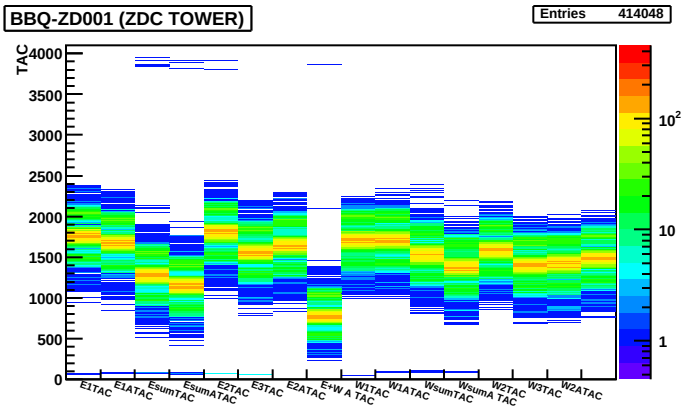

BBQ-BB002 (BBC west small tiles ADC)
Entries 414048
ADC
QT Input Channel

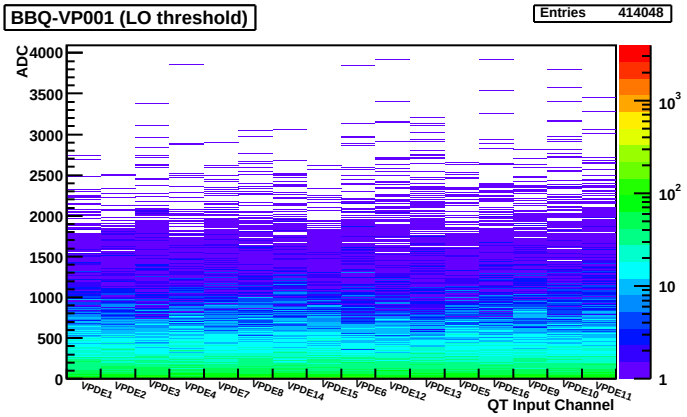

BBQ-BB002 (BBC west small tiles TAC)
Entries 414048
TAC
QT Input Channel

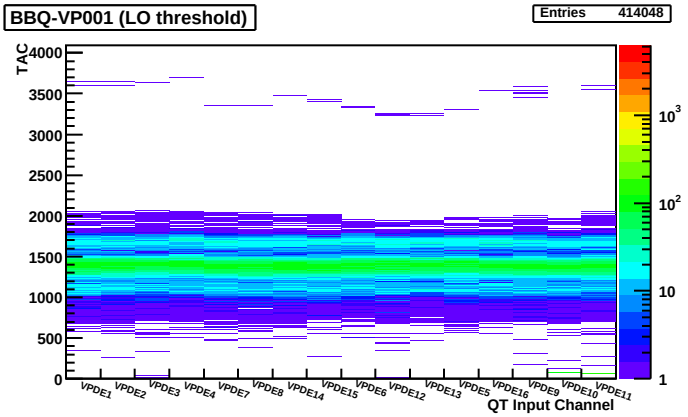

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 414048
ADC
QT Input Channel

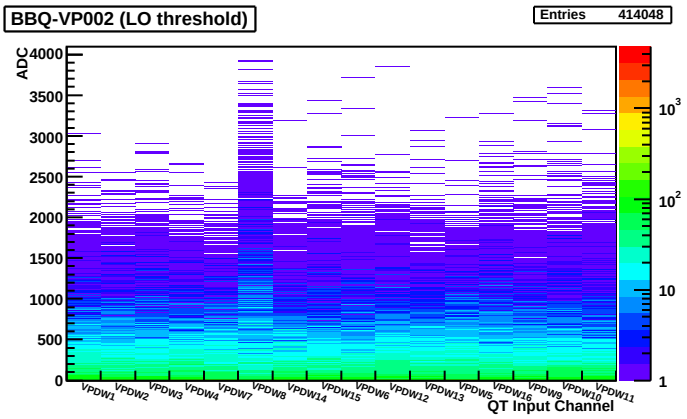

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 414048
TAC
QT Input Channel

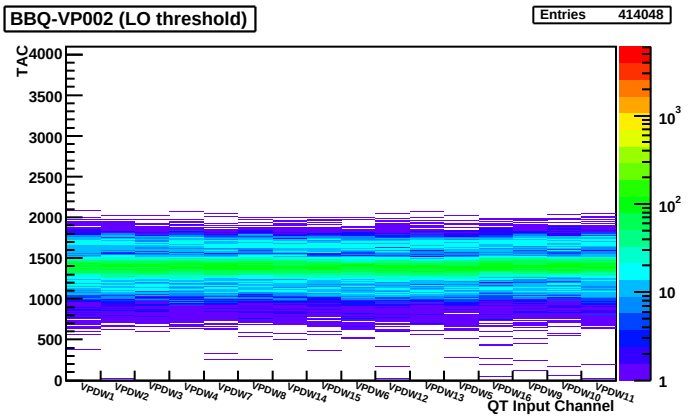

BBQ-ZD001 (ZDC TOWER)
Entries 414048
ADC

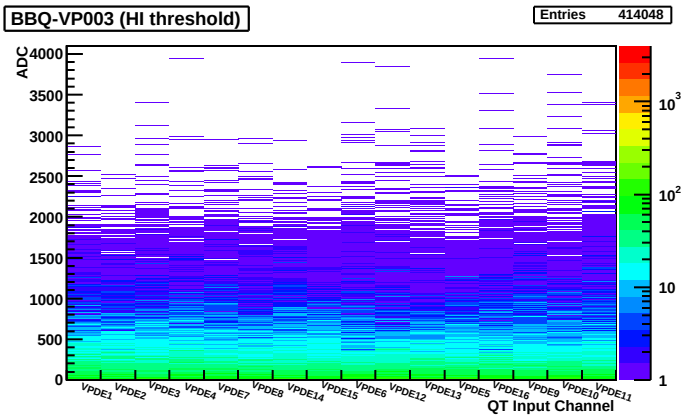

BBQ-ZD001 (ZDC TOWER)
Entries 414048
TAC

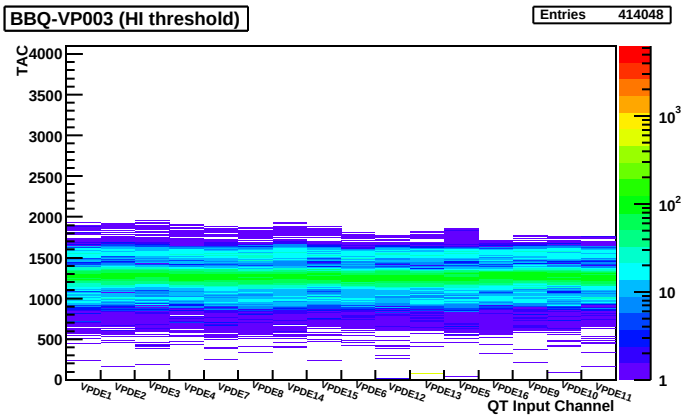

BBQ-VP001 (LO threshold)
Entries 414048
ADC
QT Input Channel

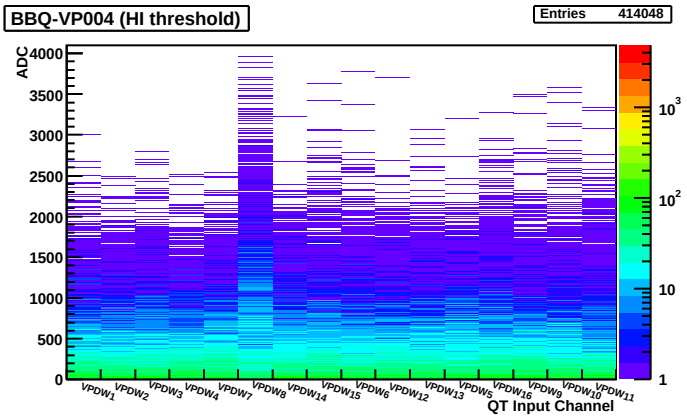

BBQ-VP001 (LO threshold)
Entries 414048
TAC
QT Input Channel

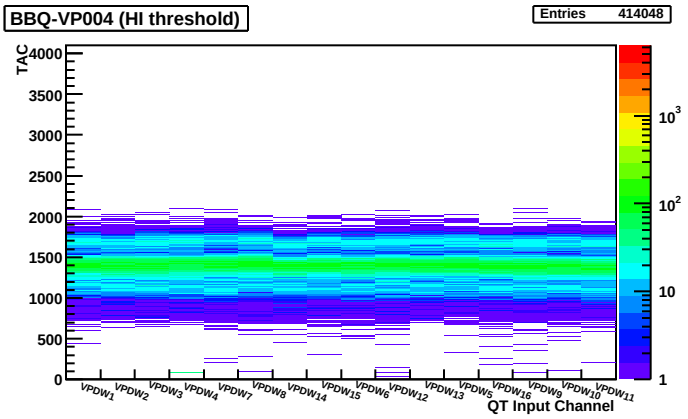

BBQ-VP002 (LO threshold)
Entries 414048
ADC
QT Input Channel

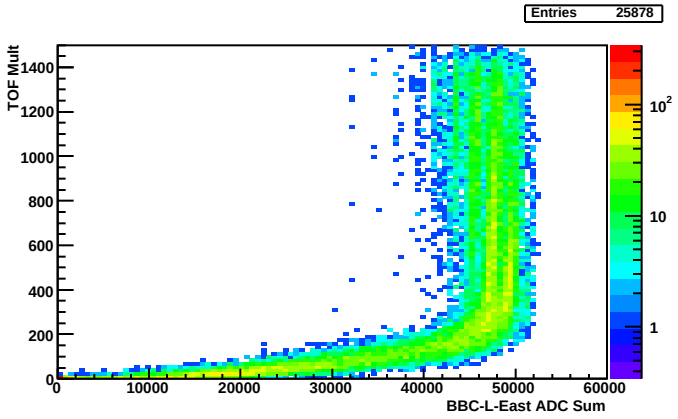

BBQ-VP002 (LO threshold)
Entries 414048
TAC
QT Input Channel

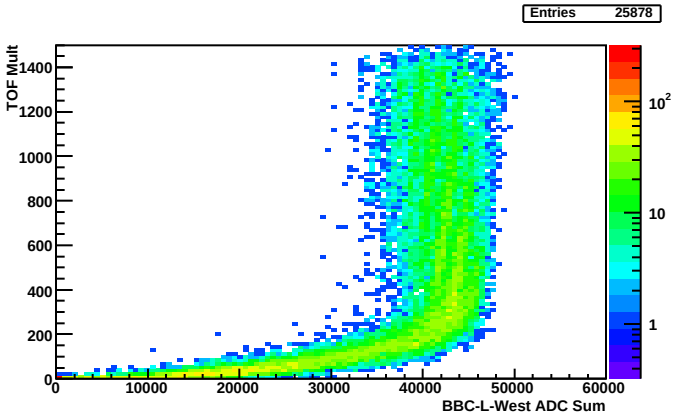

BBQ-VP003 (HI threshold)
Entries 414048
ADC
QT Input Channel

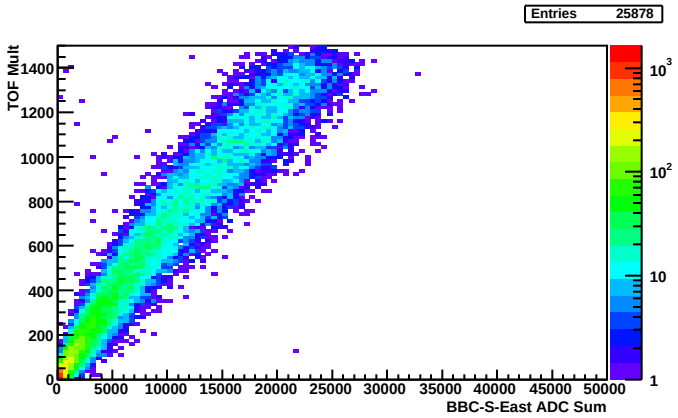

BBQ-VP003 (HI threshold)
Entries 414048
TAC
QT Input Channel

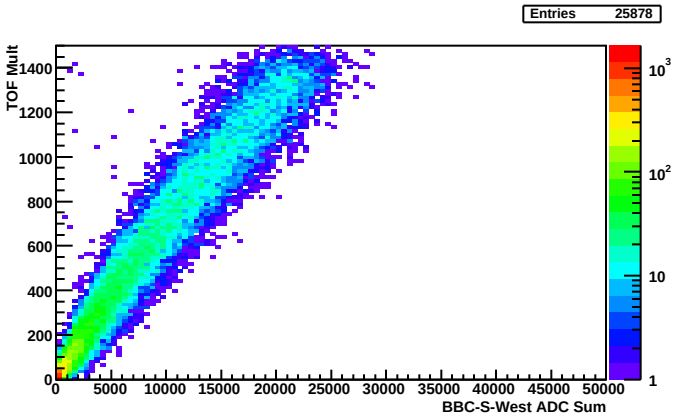

BBQ-VP004 (HI threshold)
Entries 414048
ADC
QT Input Channel

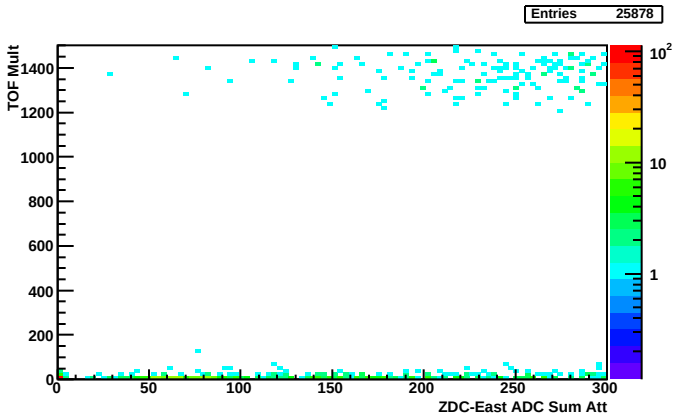

BBQ-VP004 (HI threshold)
Entries 414048
TAC
QT Input Channel

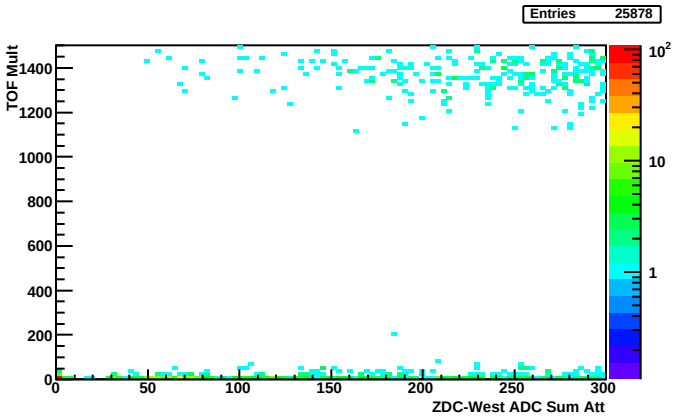

Entries 25878
TOF Mult
BBC-L-East ADC Sum

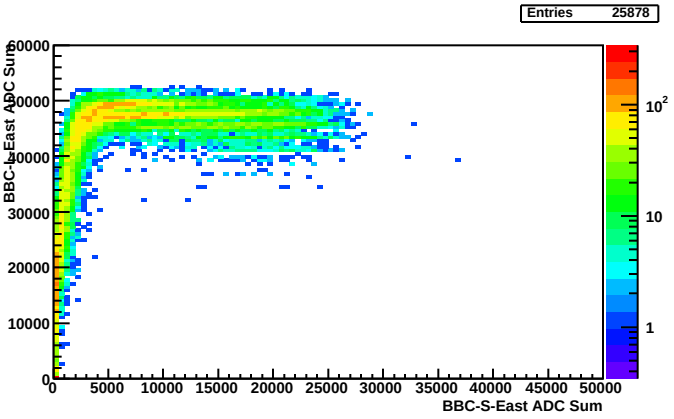

Entries 25878
TOF Mult
BBC-L-West ADC Sum

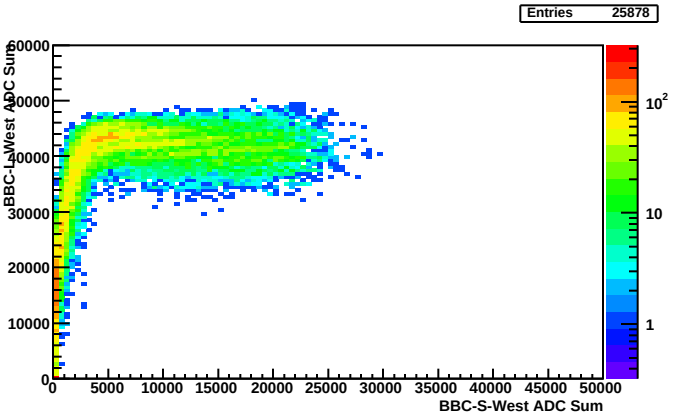

Entries 25878
TOF Mult
BBC-S-East ADC Sum

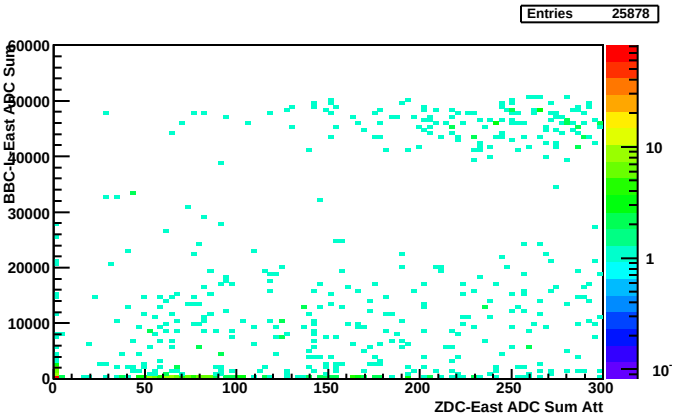

Entries 25878
TOF Mult
BBC-S-West ADC Sum

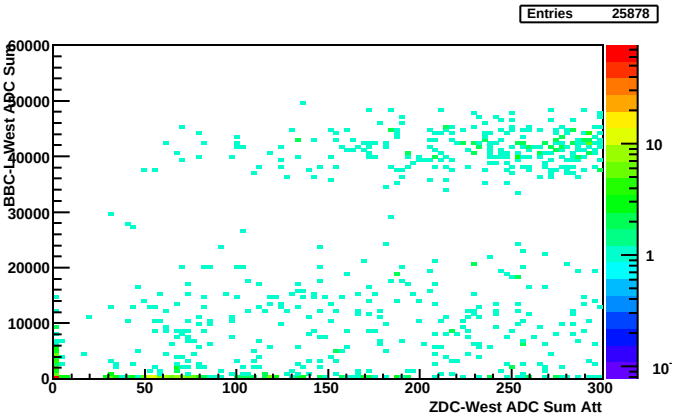

Entries 25878
TOF Mult
ZDC-East ADC Sum Att


Entries 25878
TOF Mult
ZDC-West ADC Sum Att


Entries 25878
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 25878
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 25878
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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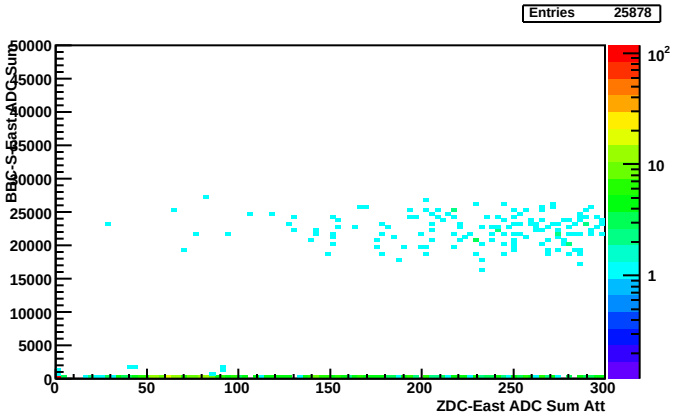
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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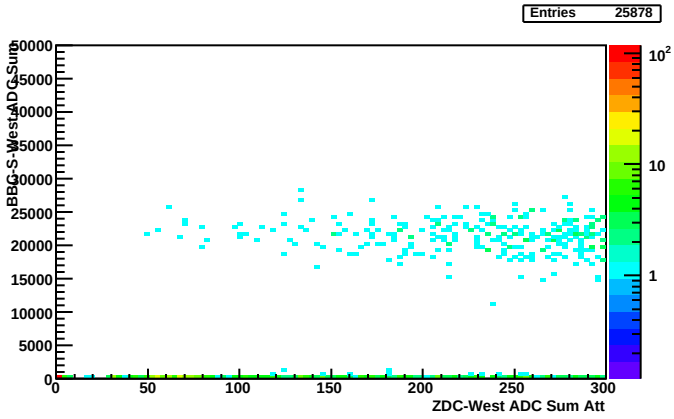
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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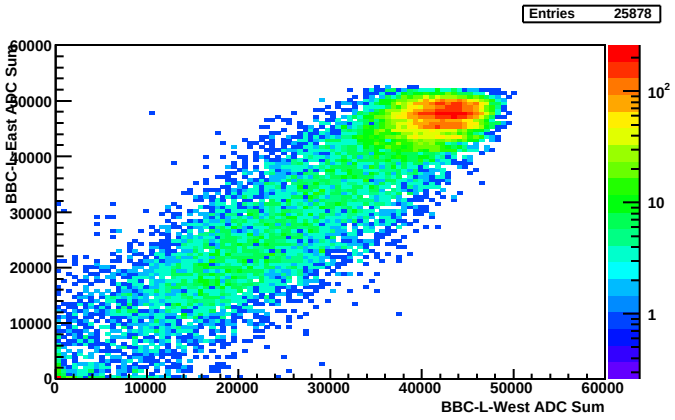
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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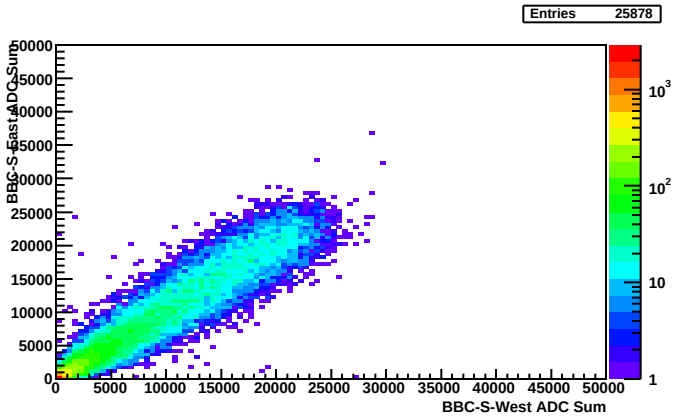
BBC-L-West ADC Sum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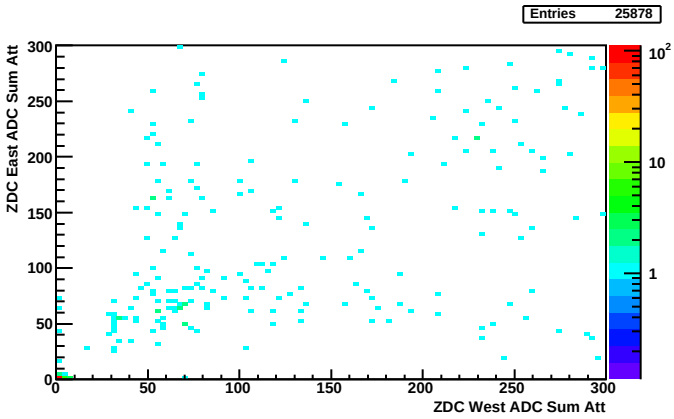
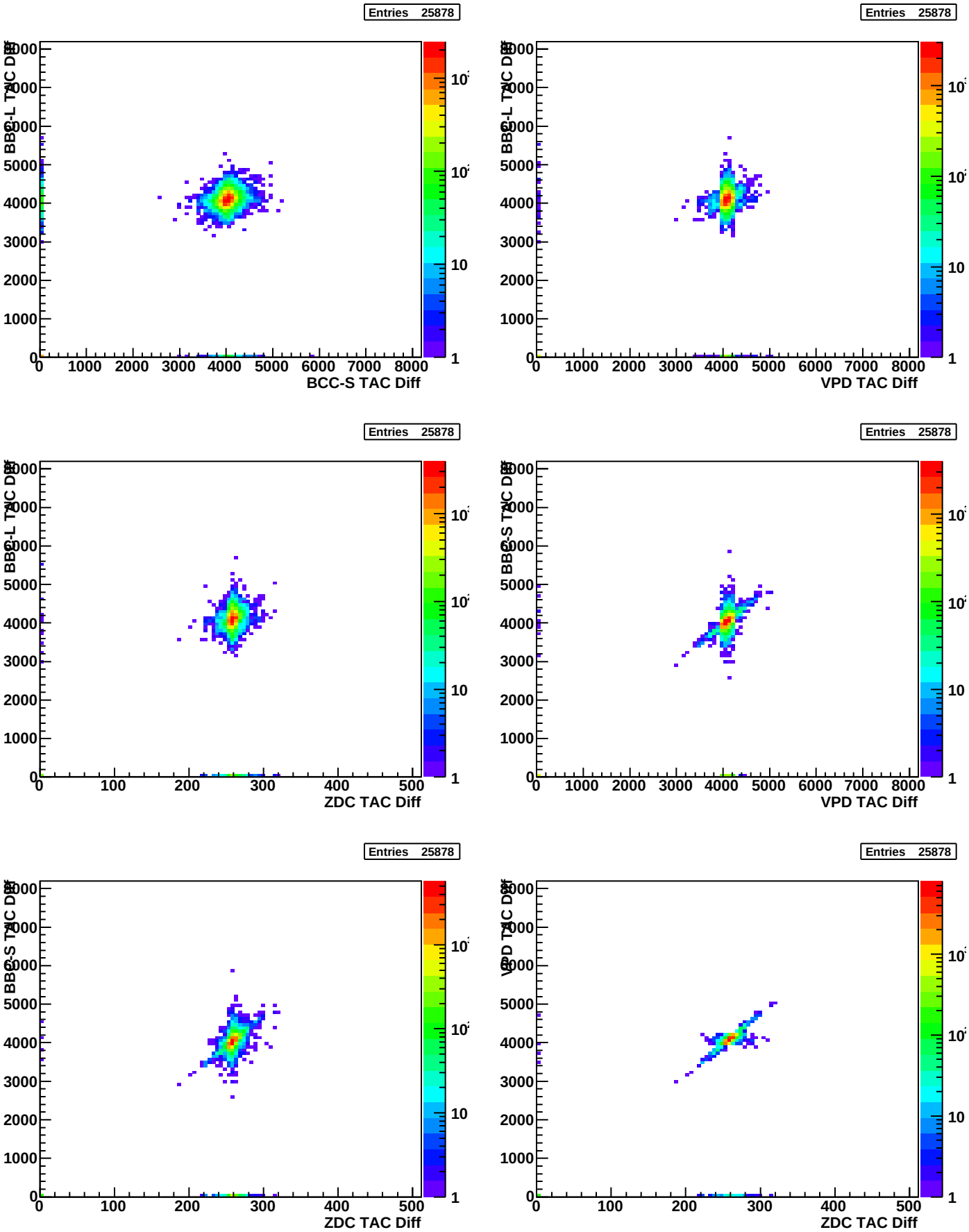
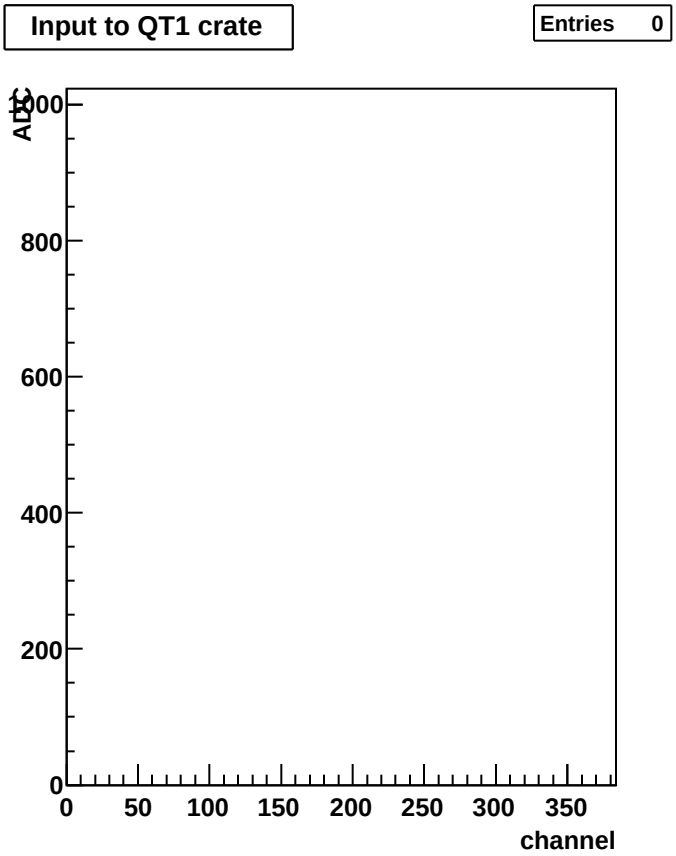
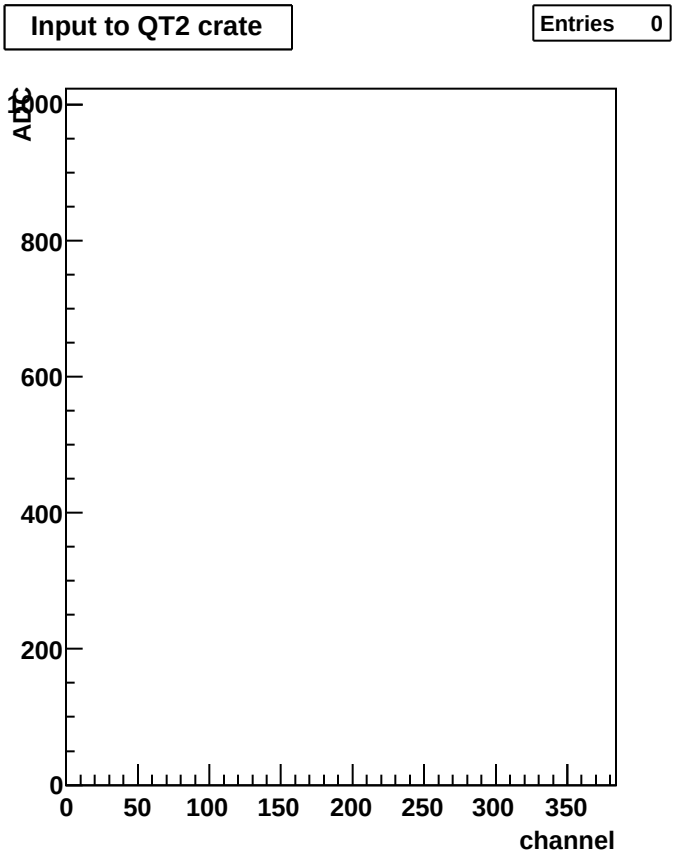
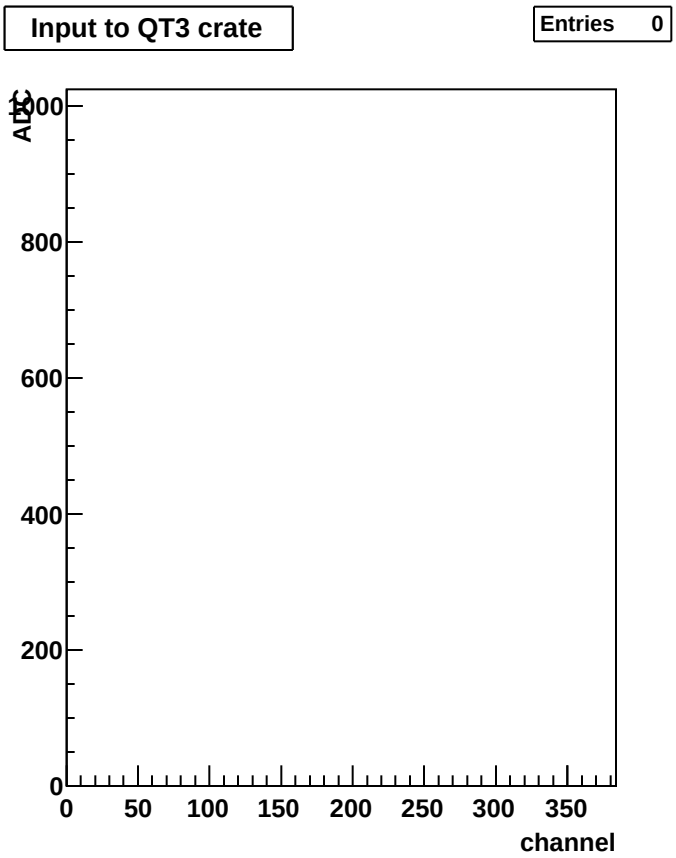
BBC-S-West ADC Sum

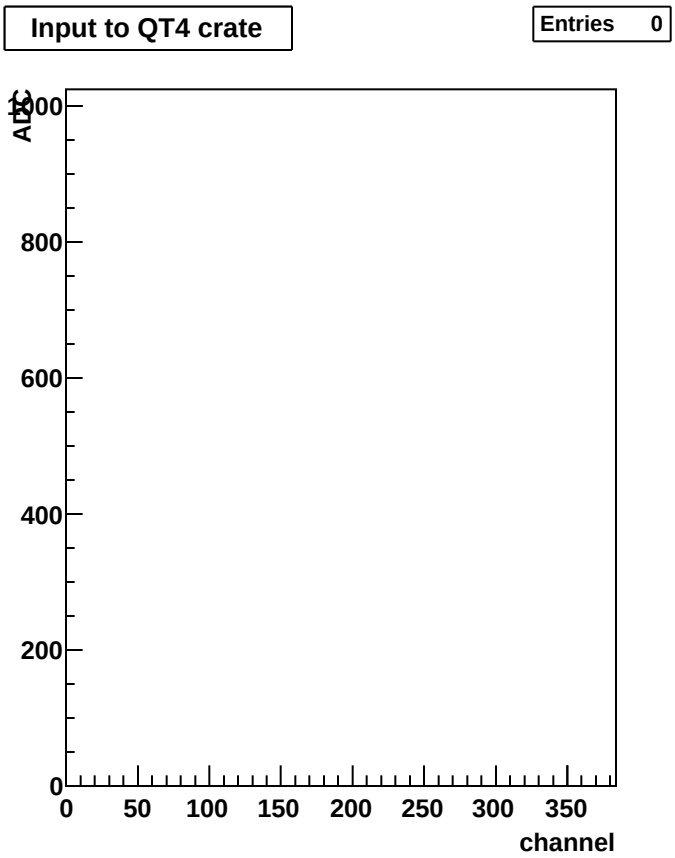

Entries 25878
ZDC East ADC Sum Att
ZDC West ADC Sum Att

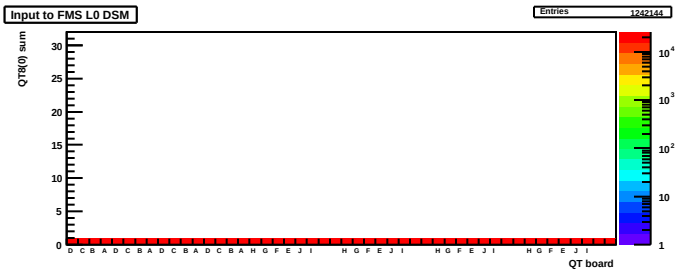

Entries 25878
BBC-L TAC Diff
BCC-S TAC Diff
Entries 25878
BBC-L TAC Diff
VPD TAC Diff
Entries 25878
BBC-L TAC Diff
ZDC TAC Diff
Entries 25878
BBC-S TAC Diff
VPD TAC Diff
Entries 25878
BBC-S TAC Diff
ZDC TAC Diff
Entries 25878
VPD TAC Diff
ZDC TAC Diff

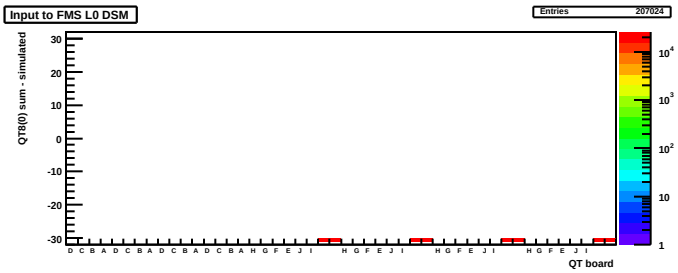

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

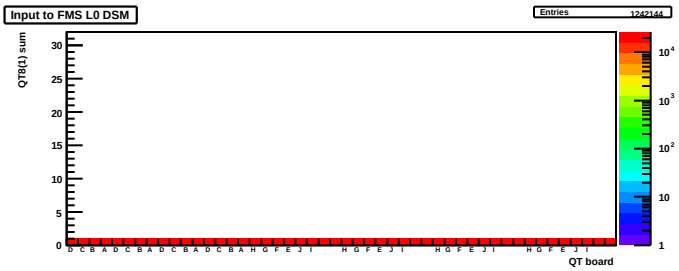

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

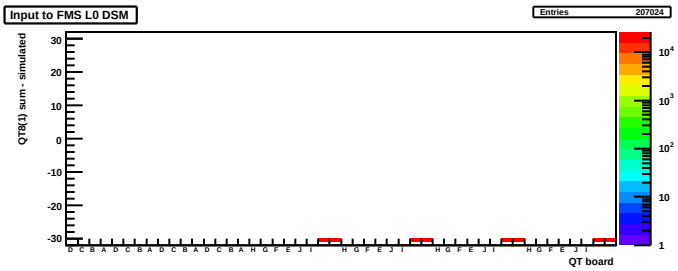

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

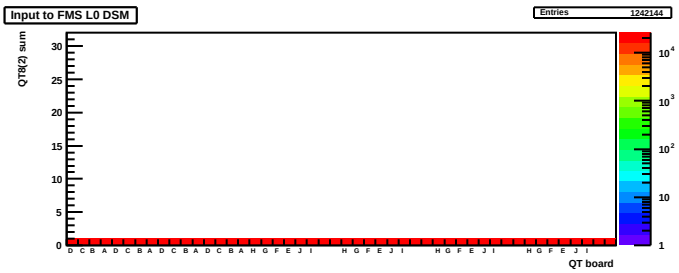

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

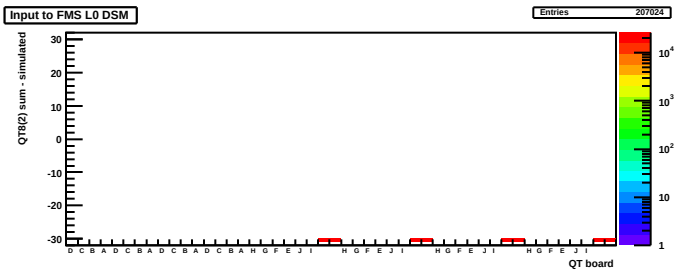

Input to FMS L0 DSM
Entries 1242144
QT8(0) sum
QT board

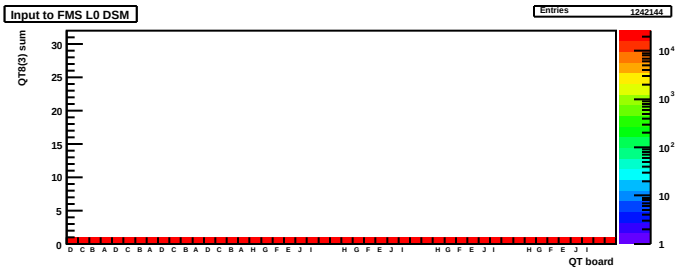

Input to FMS L0 DSM
Entries 207024
QT8(0) sum - simulated
QT board

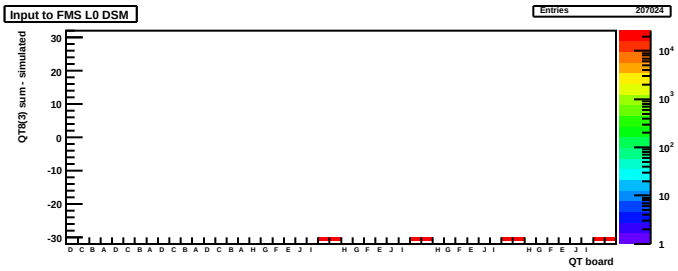

Input to FMS L0 DSM
Entries 1242144
QT8(1) sum
QT board

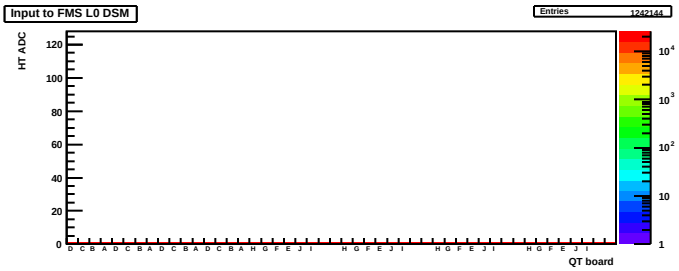

Input to FMS L0 DSM
Entries 207024
QT8(1) sum - simulated
QT board

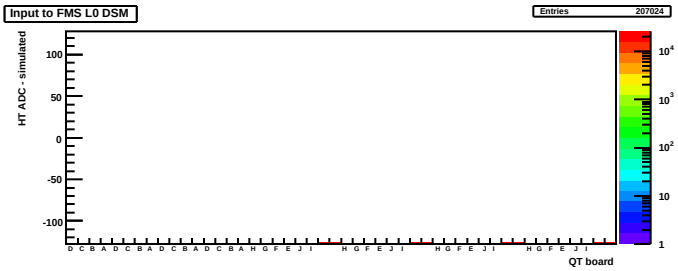

Input to FMS L0 DSM
Entries 1242144
QT8(2) sum
QT board

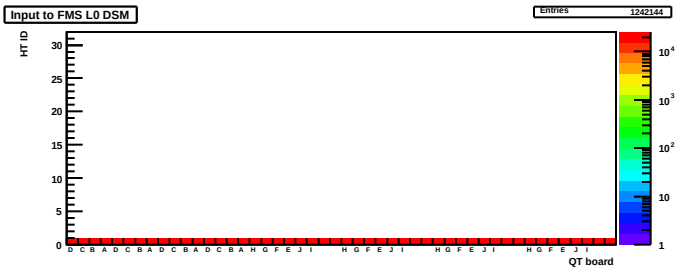

Input to FMS L0 DSM
Entries 207024
QT8(2) sum - simulated
QT board

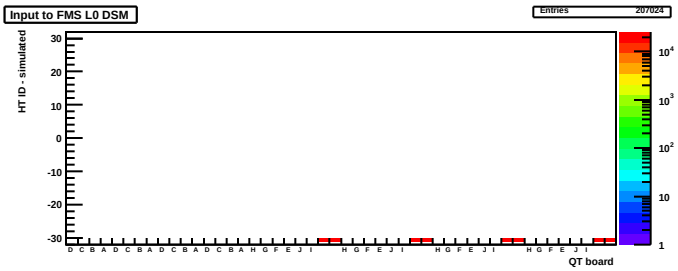

Input to FMS L0 DSM
Entries 1242144
QT8(3) sum
QT board

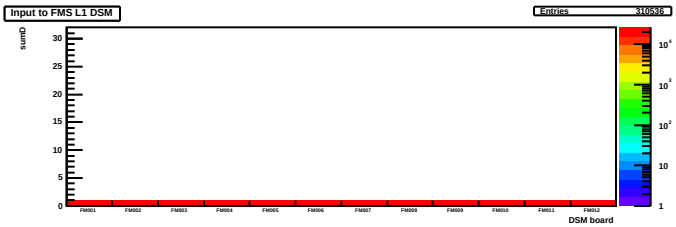

Input to FMS L0 DSM
Entries 207024
QT8(3) sum - simulated
QT board

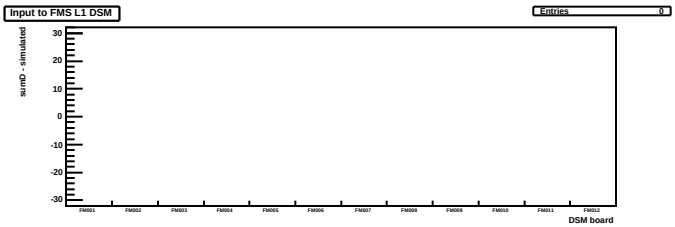

Input to FMS L0 DSM
Entries 1242144
HT ADC
QT board

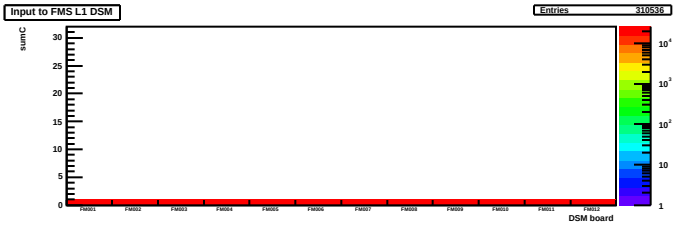

Input to FMS L0 DSM
Entries 207024
HT ADC - simulated
QT board

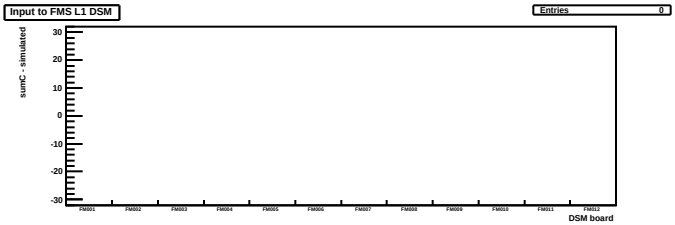

Input to FMS L0 DSM
Entries 1242144
HT ID
QT board

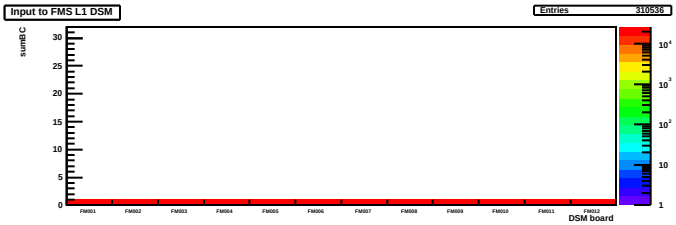

Input to FMS L0 DSM
Entries 207024
HT ID - simulated
QT board

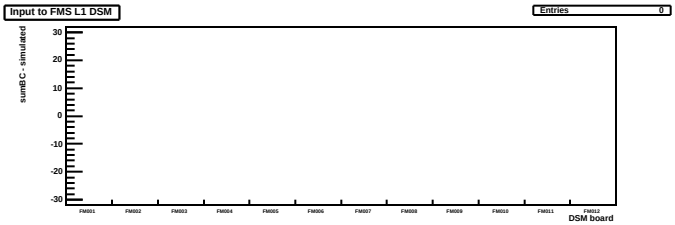

Input to FMS L1 DSM
Entries 310536
sumD
DSM board

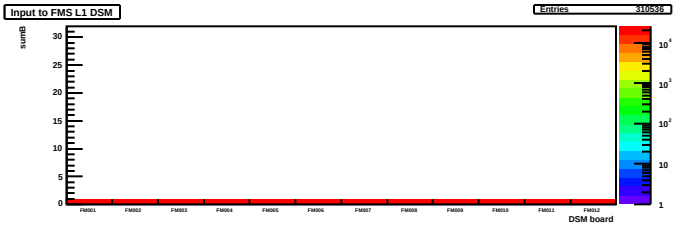

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

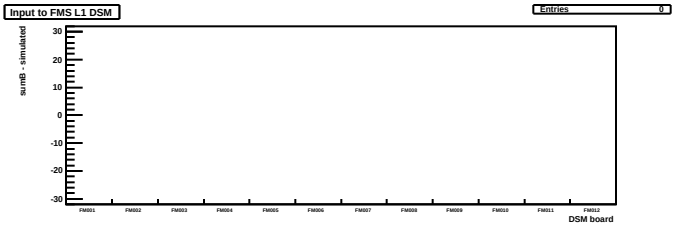

Input to FMS L1 DSM
Entries 310536
sumC
DSM board

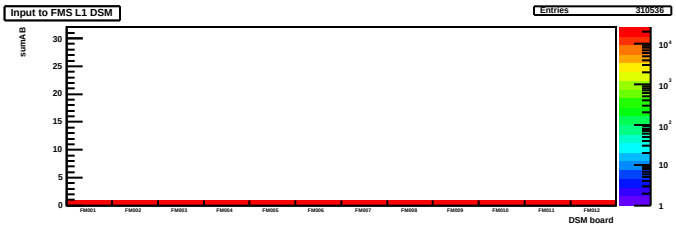

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

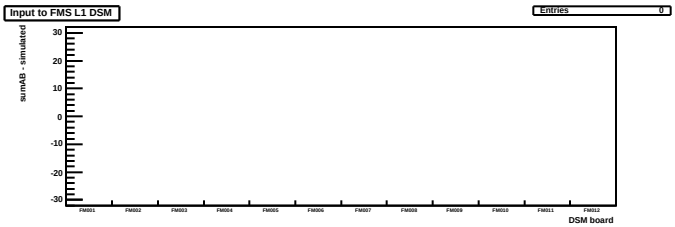

Input to FMS L1 DSM
Entries 310536
sumBC
DSM board

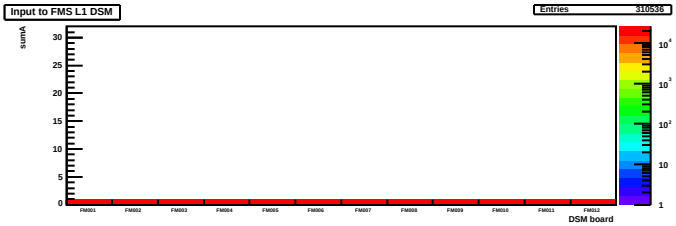

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

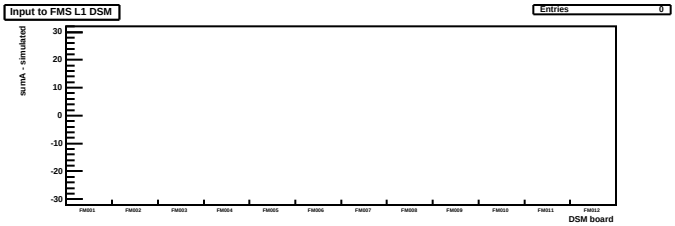

Input to FMS L1 DSM
Entries 310536
sumB
DSM board

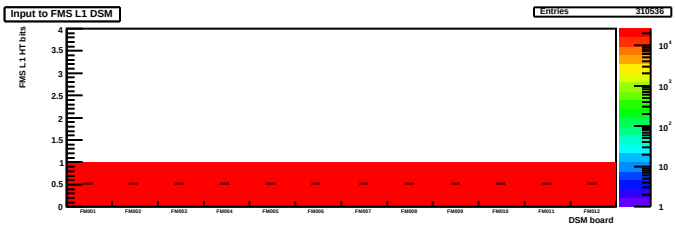

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

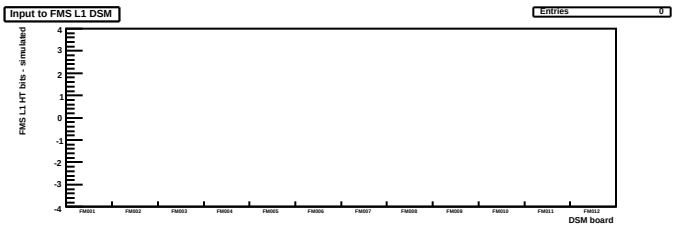

Input to FMS L1 DSM
Entries 310536
sumAB
DSM board

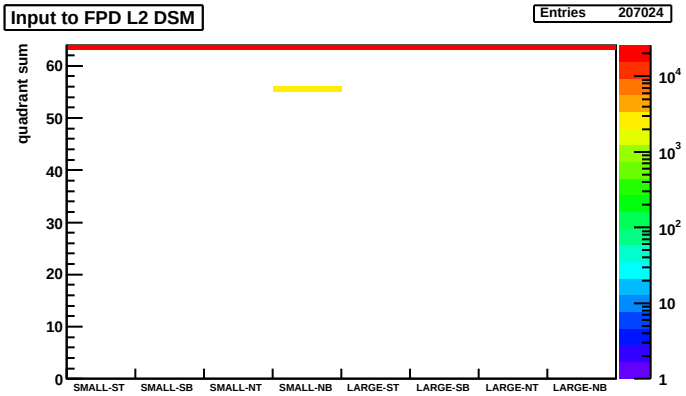

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

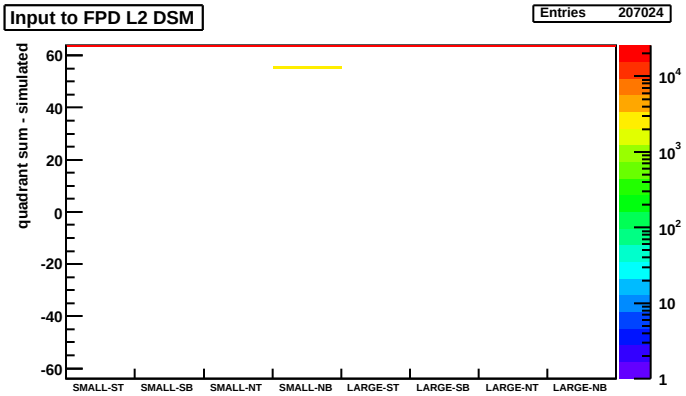

Input to FMS L1 DSM
Entries 310536
sumA
DSM board

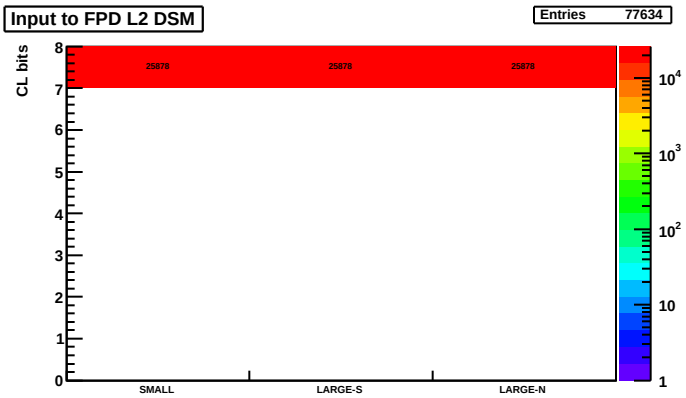

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

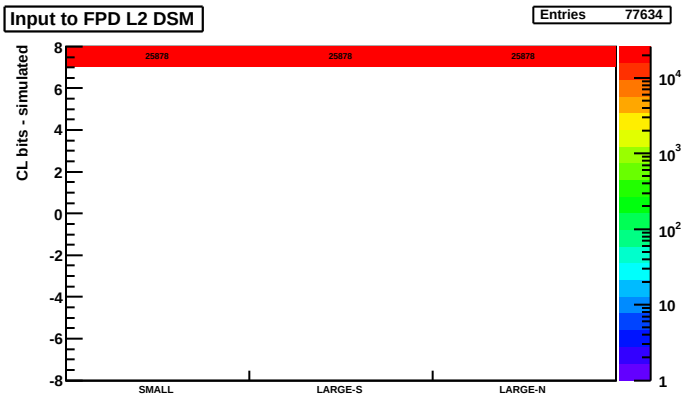

Input to FMS L1 DSM
Entries 310536
FMS L1 HT bits
DSM board

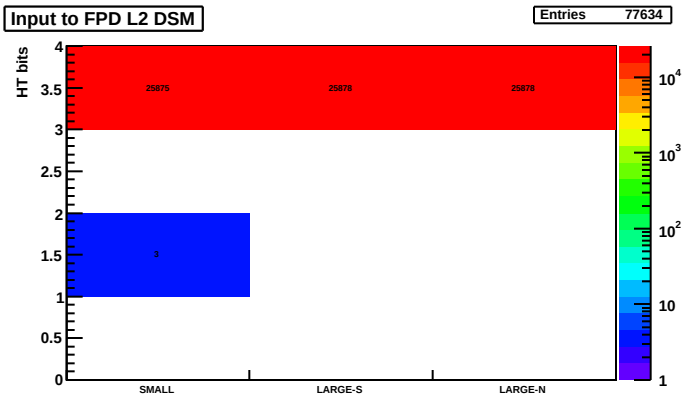

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

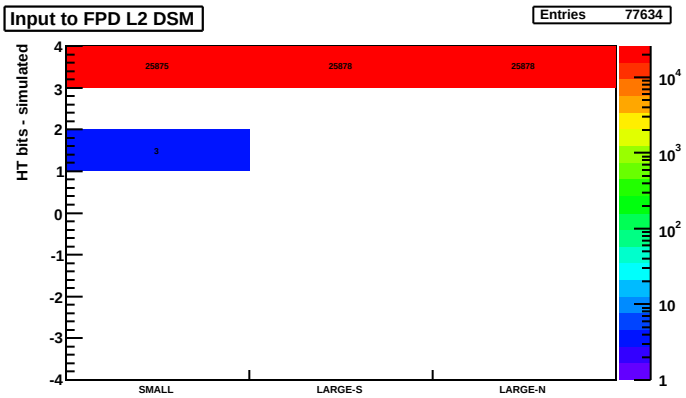

Input to FPD L2 DSM
Entries 207024
quadrant sum
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

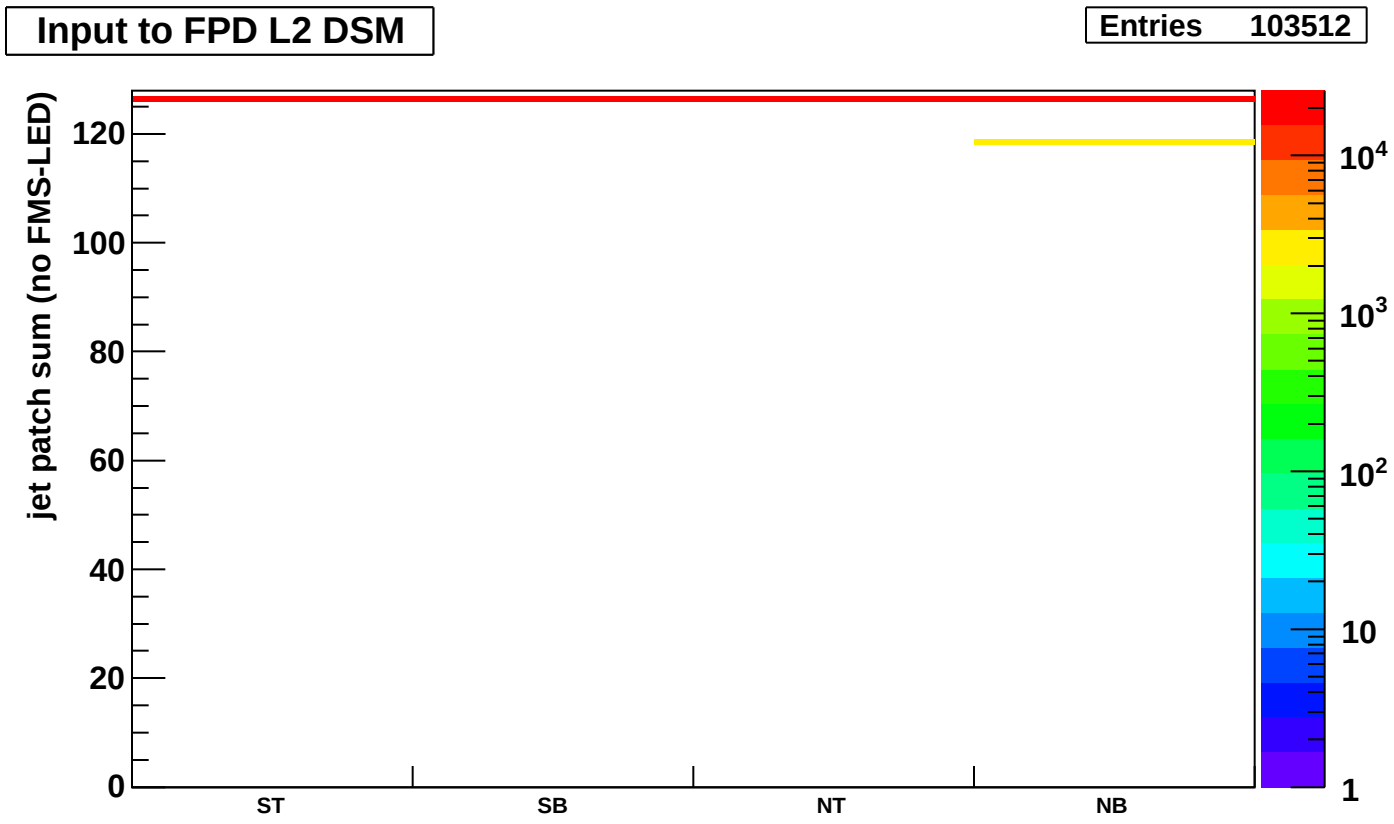

Input to FPD L2 DSM
Entries 207024
quadrant sum - simulated
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

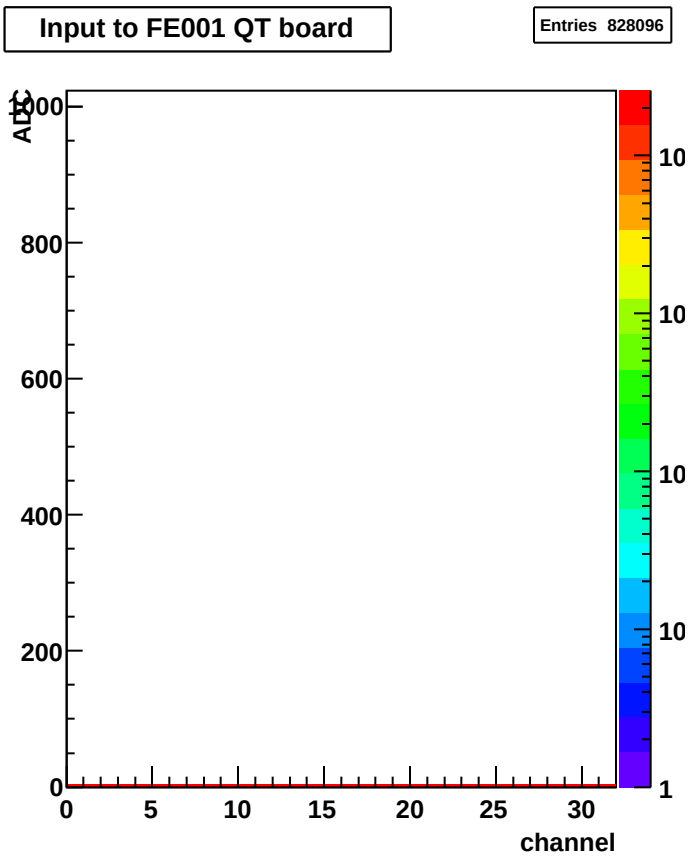

Input to FPD L2 DSM
Entries 77634
CL bits
25878 25878 25878
SMALL LARGE-S LARGE-N

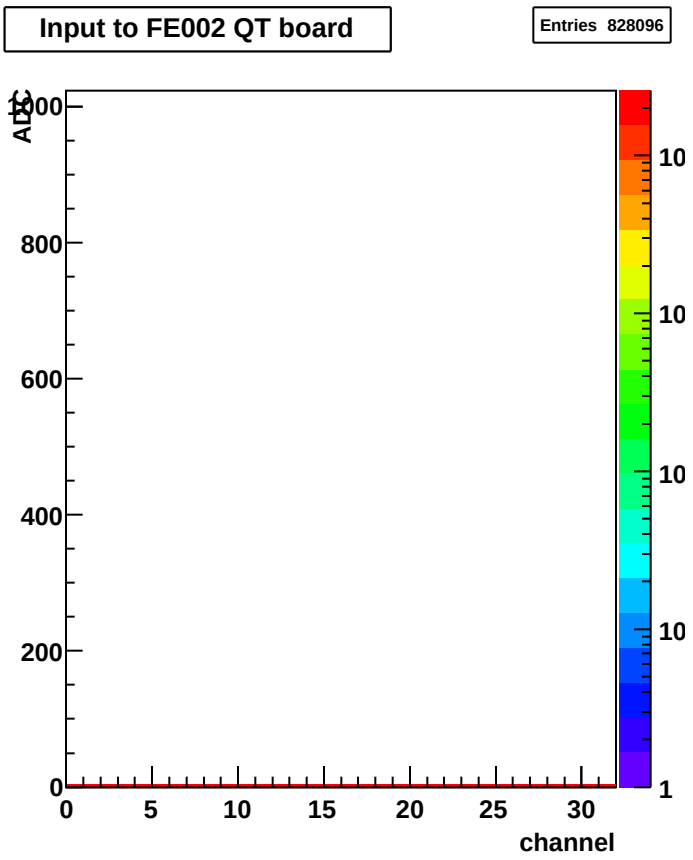

Input to FPD L2 DSM
Entries 77634
CL bits - simulated
25878 25878 25878
SMALL LARGE-S LARGE-N

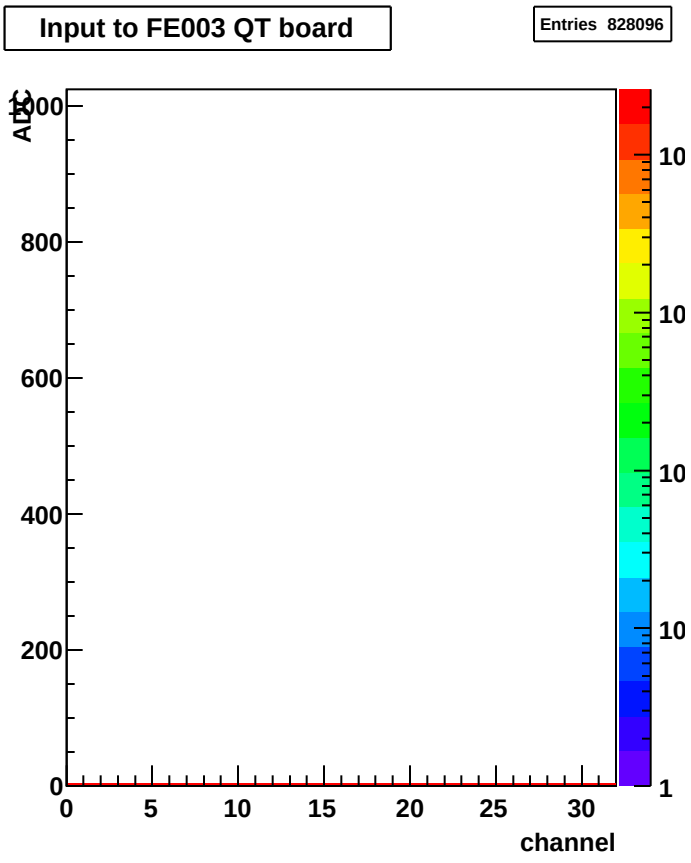

Input to FPD L2 DSM
Entries 77634
HT bits
25875 25878 25878
3
SMALL LARGE-S LARGE-N

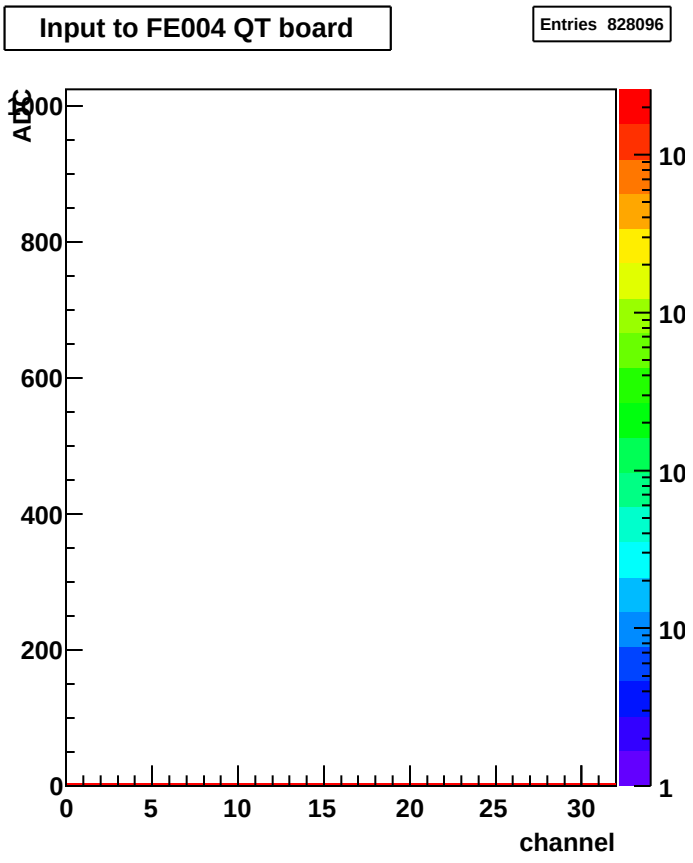

Input to FPD L2 DSM
Entries 77634
HT bits - simulated
25875 25878 25878
3
SMALL LARGE-S LARGE-N

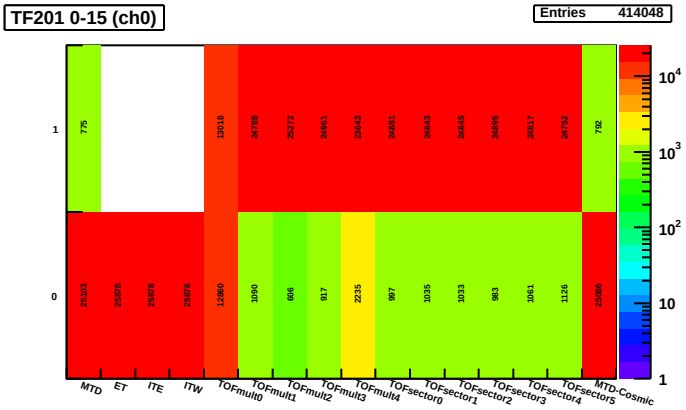

Input to FPD L2 DSM
Entries 103512
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

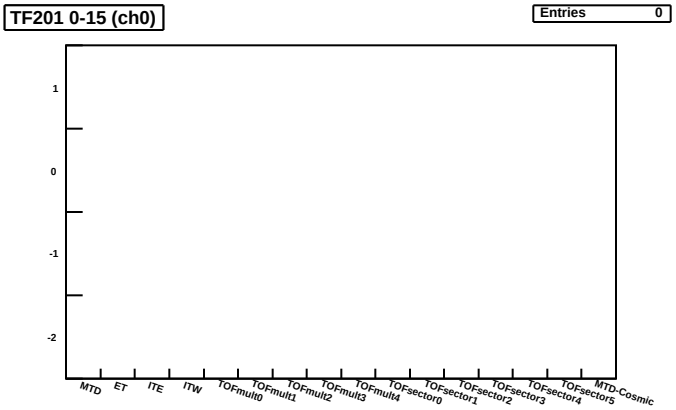

Input to FE001 QT board
Entries 828096
ADC
channel

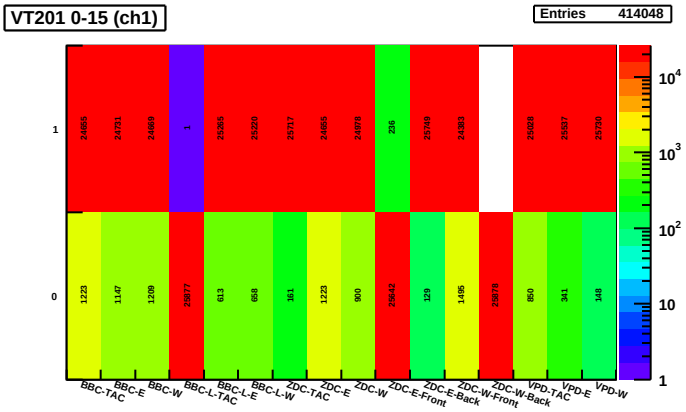

Input to FE002 QT board
Entries 828096
ADC
channel

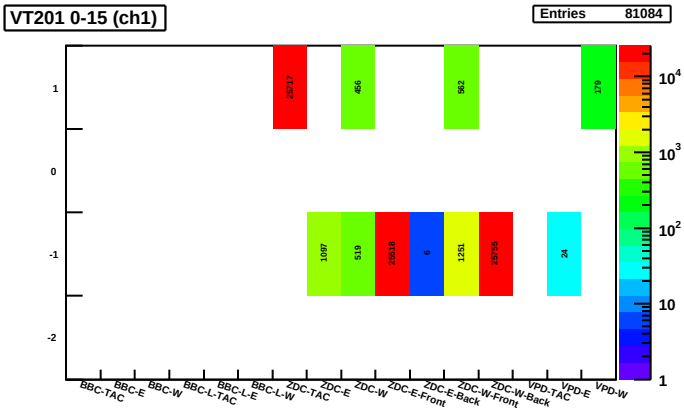

Input to FE003 QT board
Entries 828096
ADC
channel

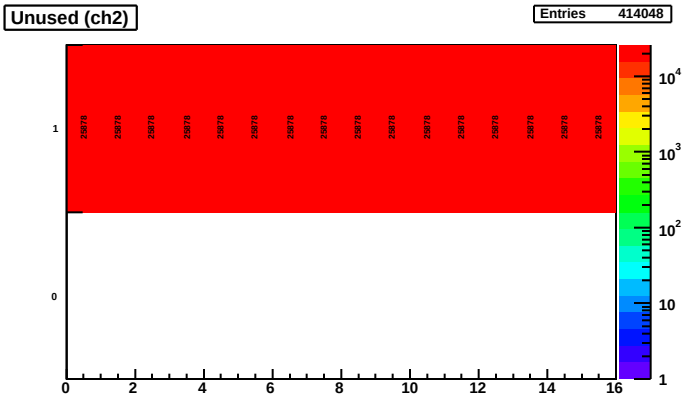

Input to FE004 QT board
Entries 828096
ADC
channel

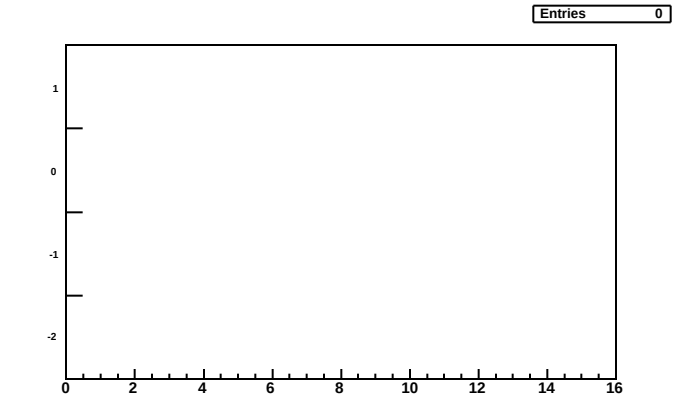

TF201 0-15 (ch0)
Entries 414048
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

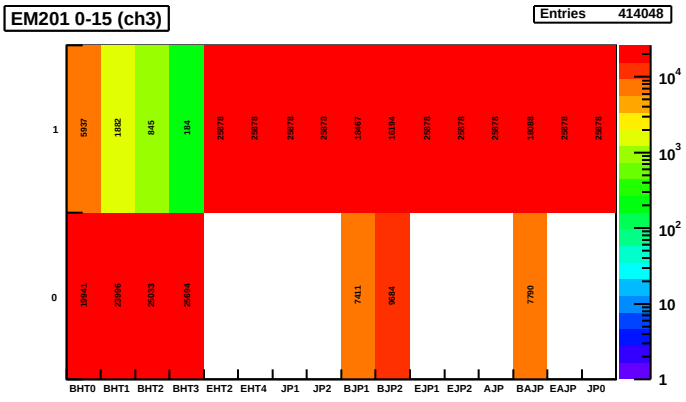

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

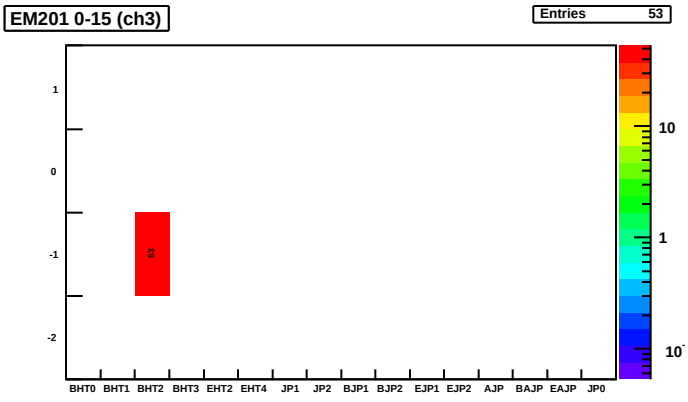

VT201 0-15 (ch1)
Entries 414048
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 81084
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

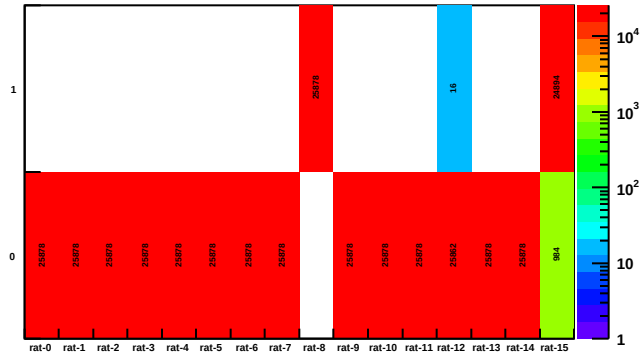

Unused (ch2)
Entries 414048

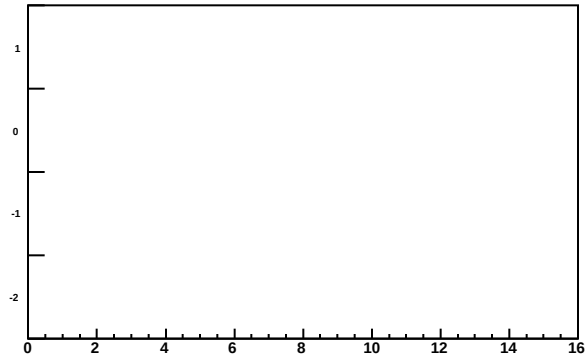

Entries 0


EM201 0-15 (ch3)
Entries 414048
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

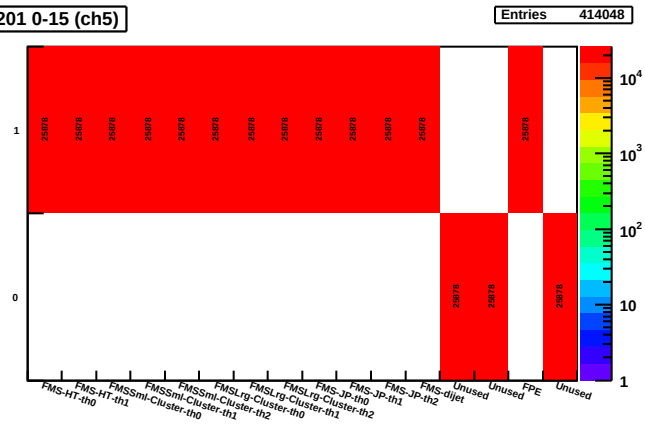

EM201 0-15 (ch3)
Entries 53
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

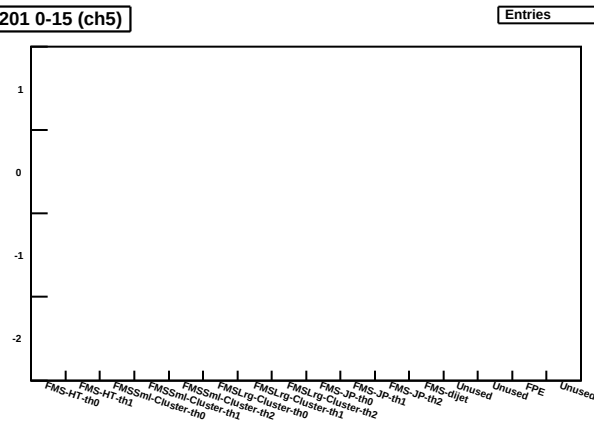




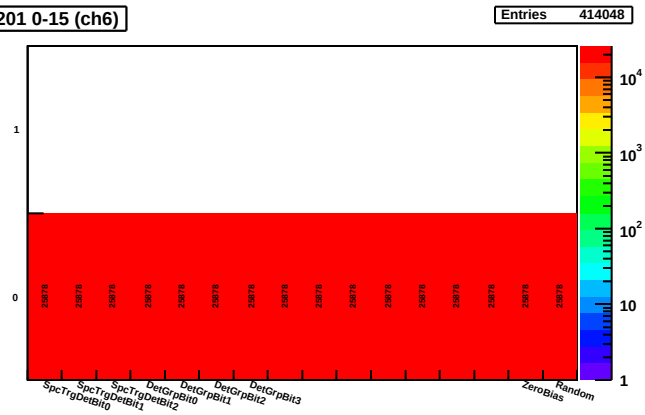
FP201 0-15 (ch5)

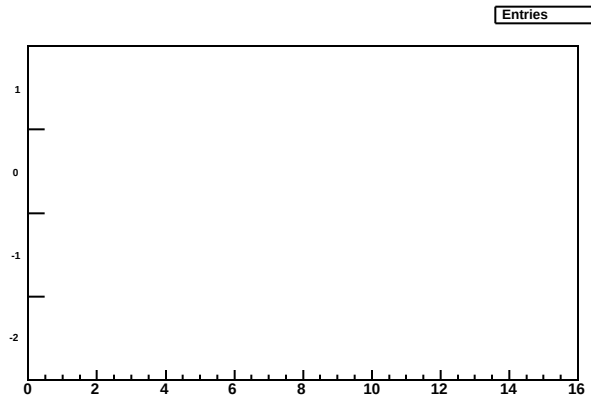
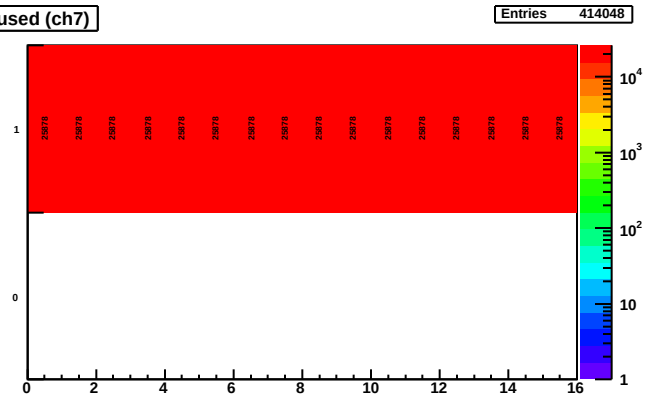
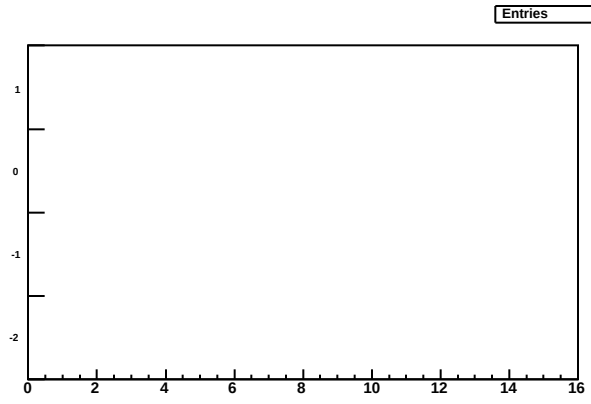


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)