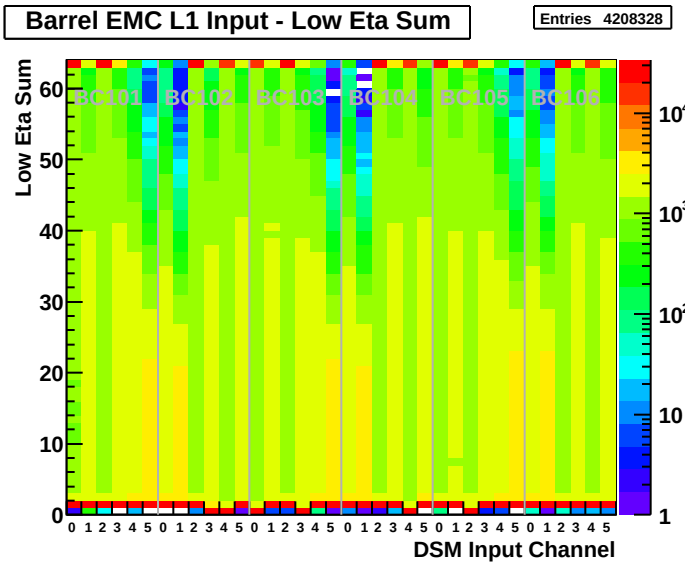
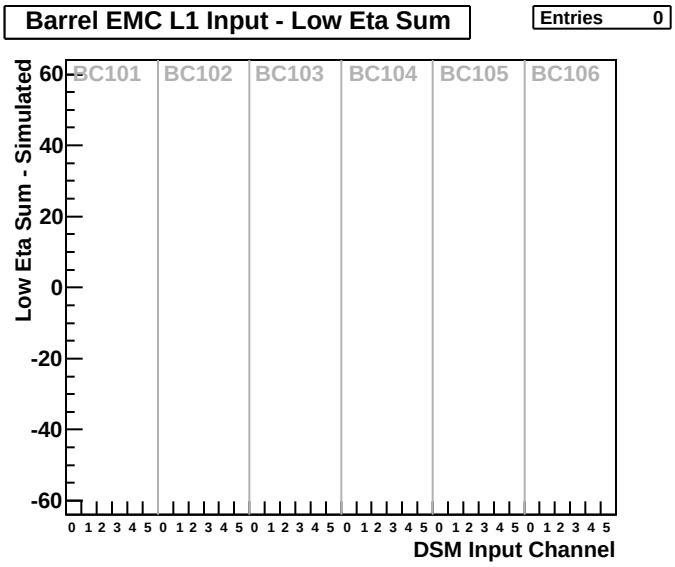
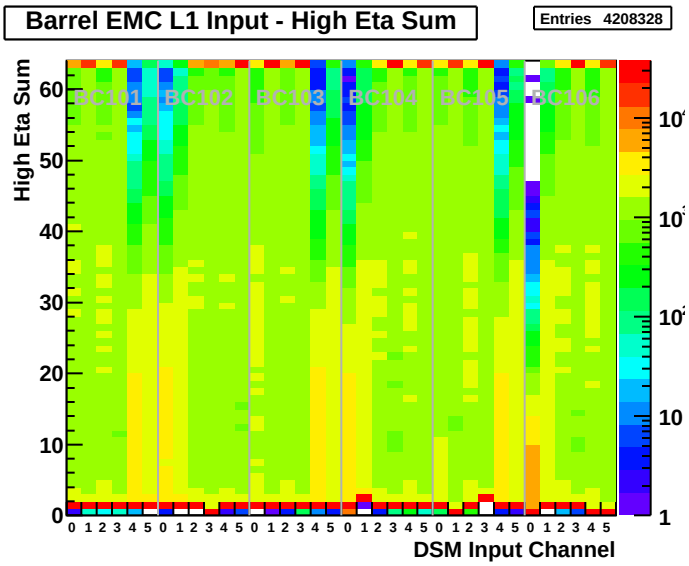
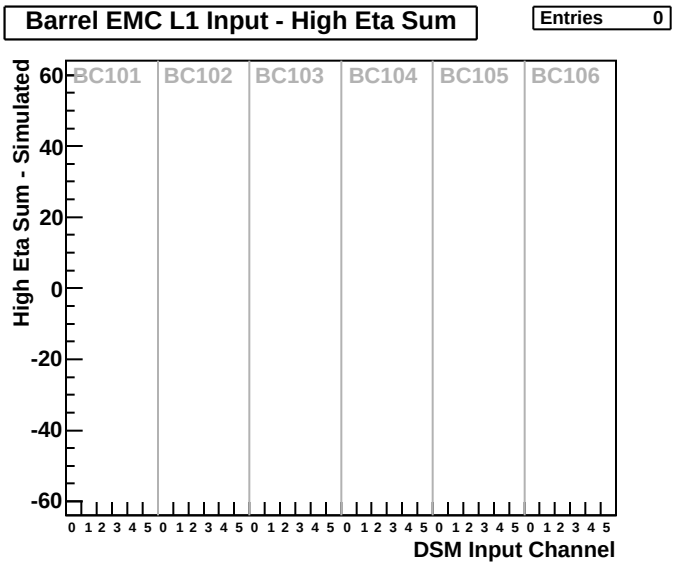
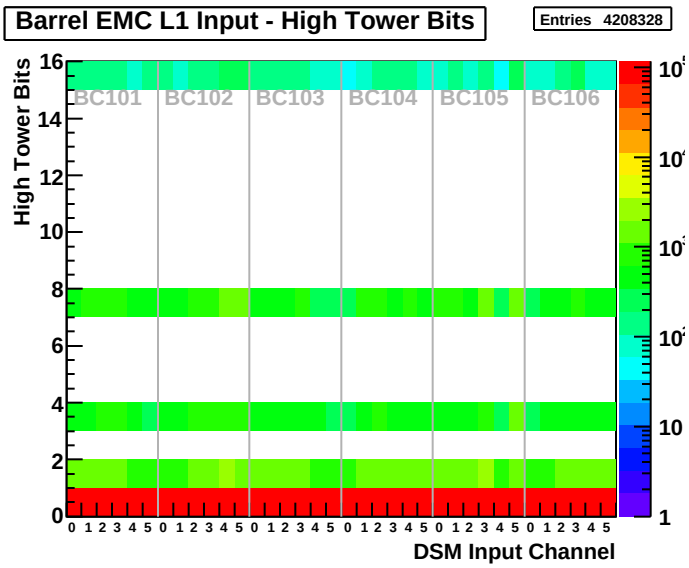
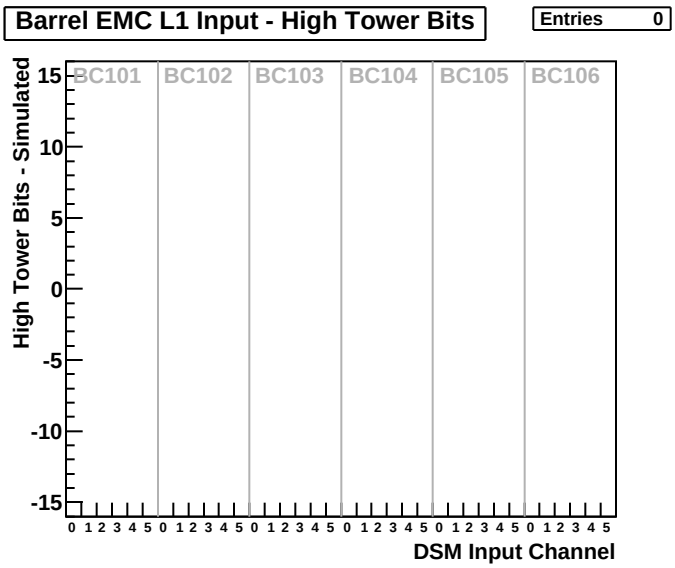

Barrel EMC L1 Input - Low Eta Sum
Entries 4208328
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

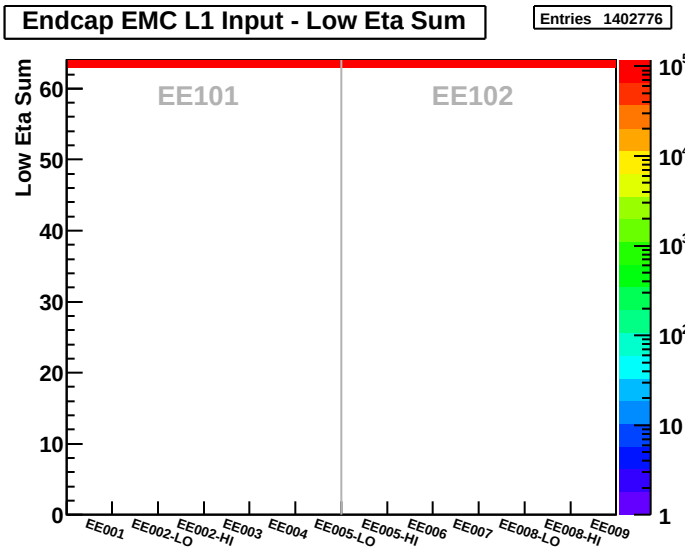

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

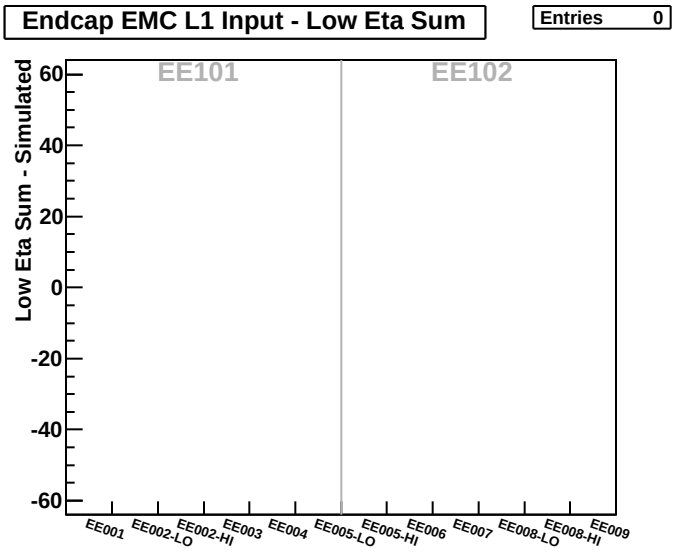

Barrel EMC L1 Input - High Eta Sum
Entries 4208328
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

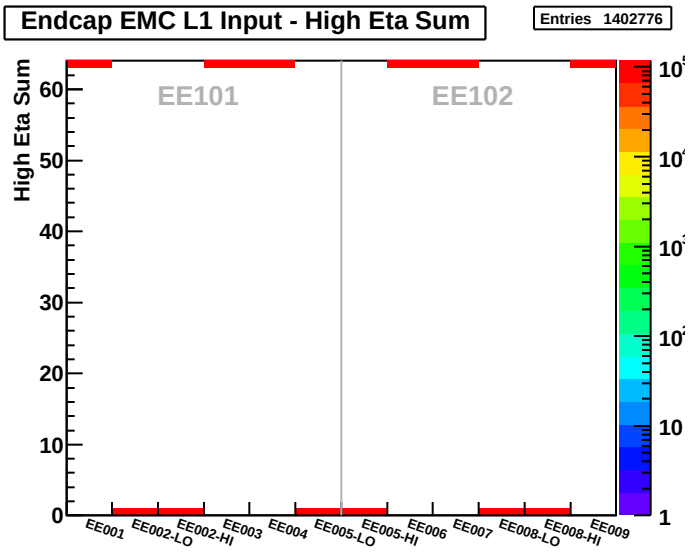

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

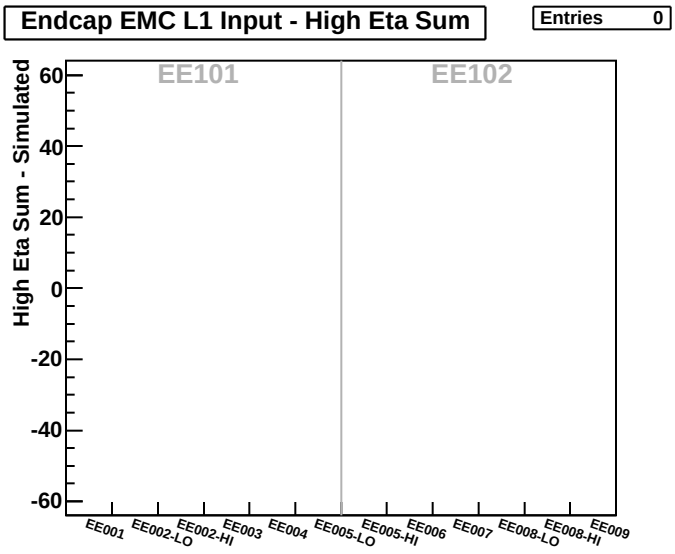

Barrel EMC L1 Input - High Tower Bits
Entries 4208328
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

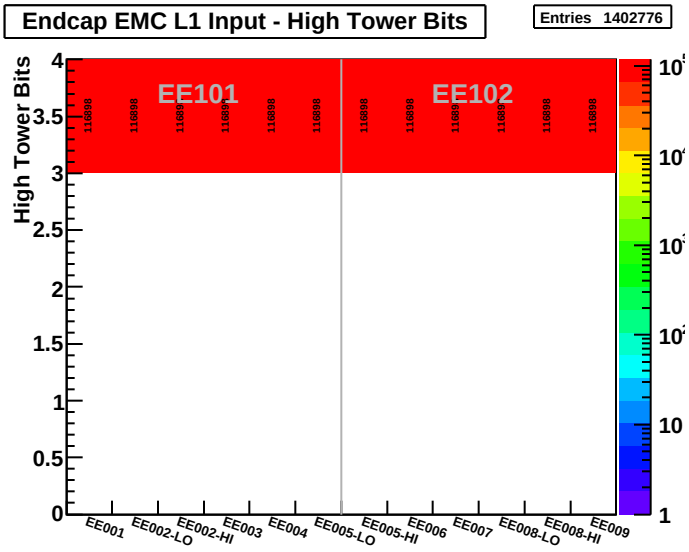

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

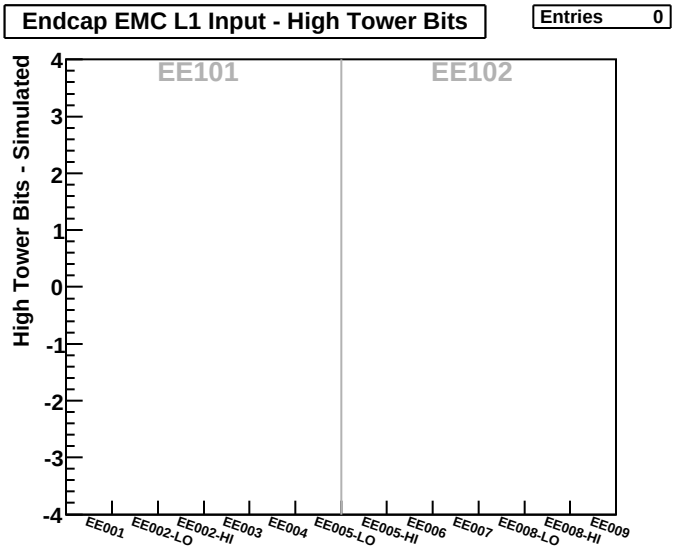

Endcap EMC L1 Input - Low Eta Sum
Entries 1402776
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

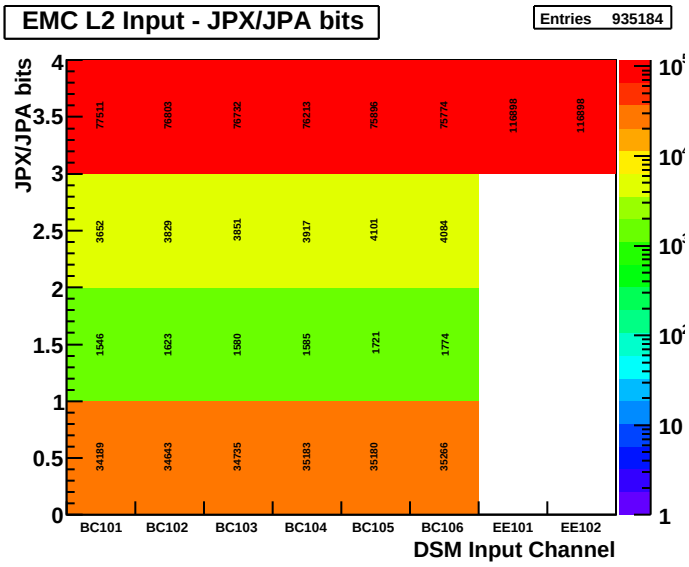

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

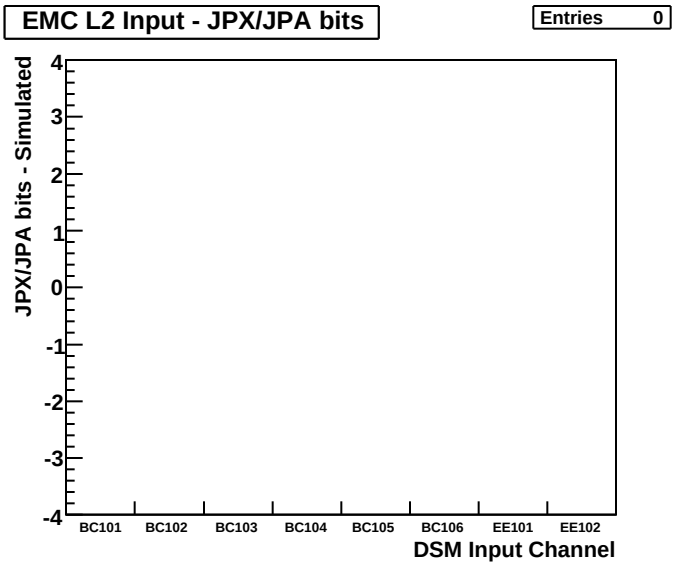

Endcap EMC L1 Input - High Eta Sum
Entries 1402776
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

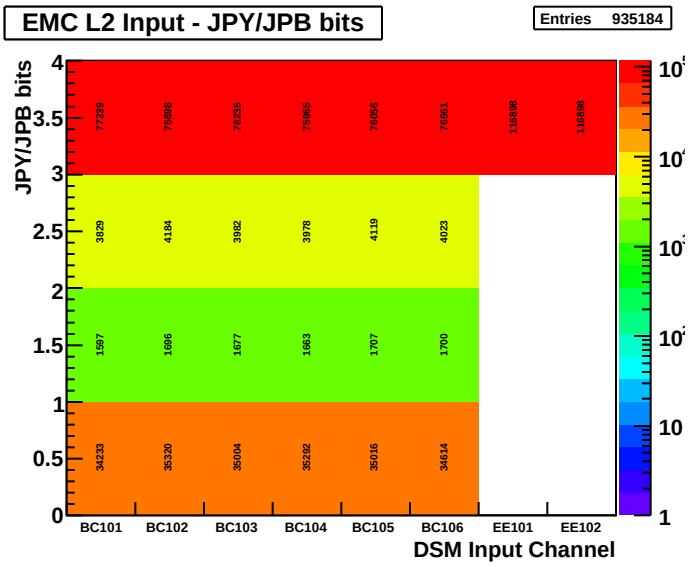

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

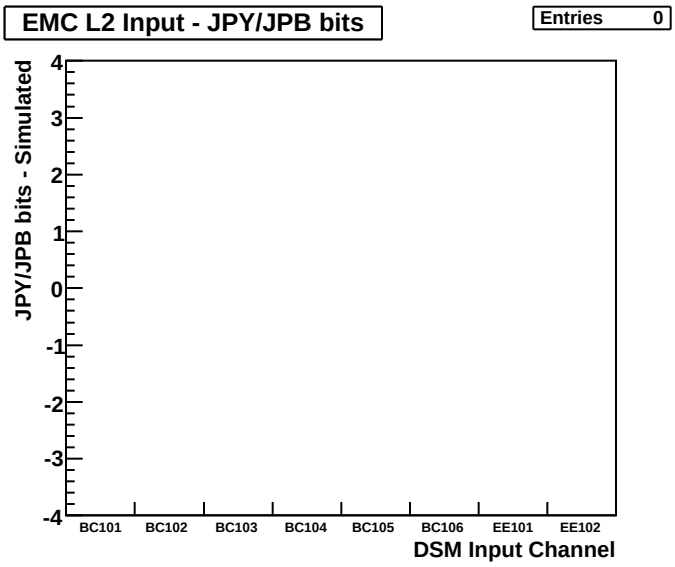

Endcap EMC L1 Input - High Tower Bits
Entries 1402776
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

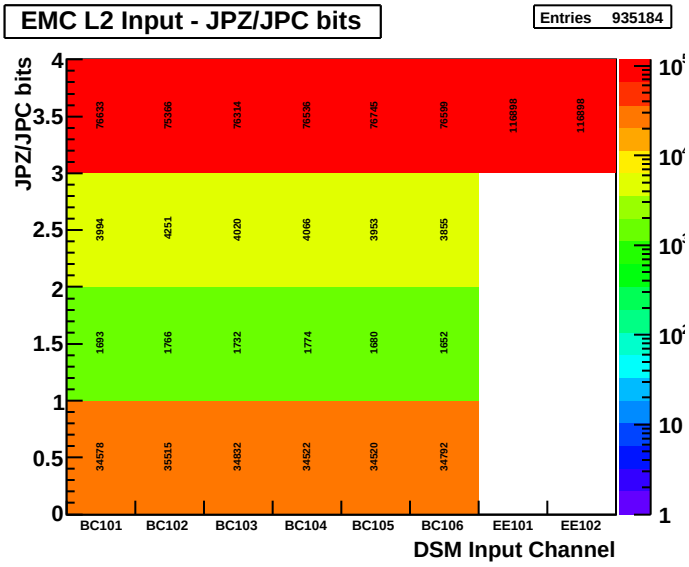

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

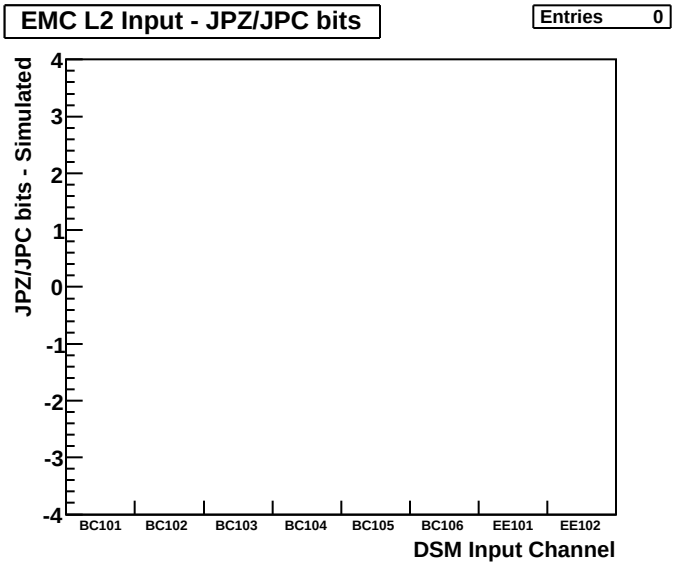

EMC L2 Input - JPX/JPA bits
Entries 935184
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
77511 76803 76732 76213 75896 75774 116898 116898
3652 3829 3851 3917 4101 4094
1546 1623 1580 1585 1721 1774
34189 34643 34735 35183 35180 35256

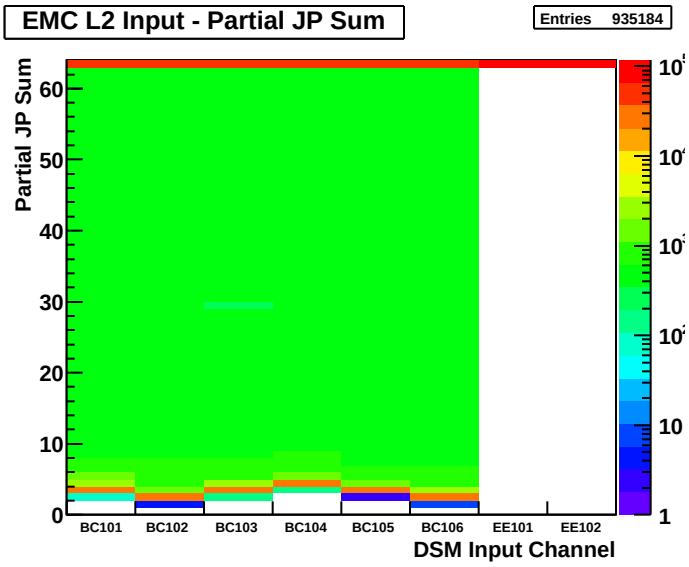

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

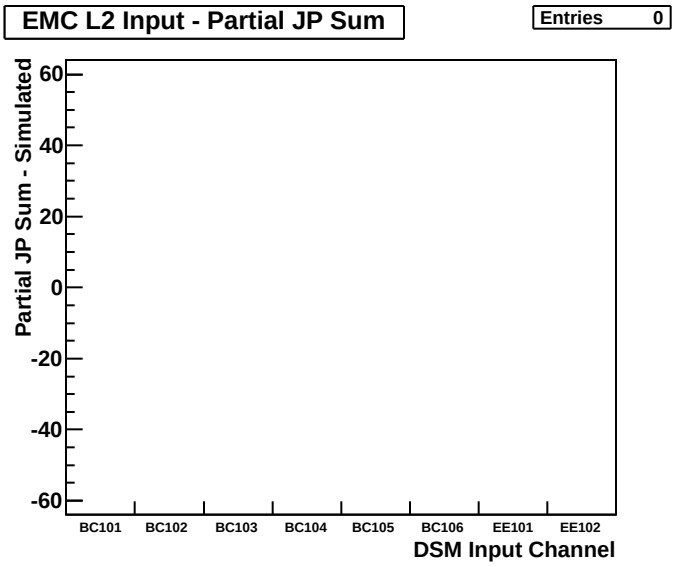

EMC L2 Input - JPY/JPB bits
Entries 935184
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
77239 75688 76235 75965 75056 75561 116898 116898
3829 4184 3982 3978 4119 4023
1997 1696 1677 1663 1707 1700
34233 35320 35004 35292 35016 34614

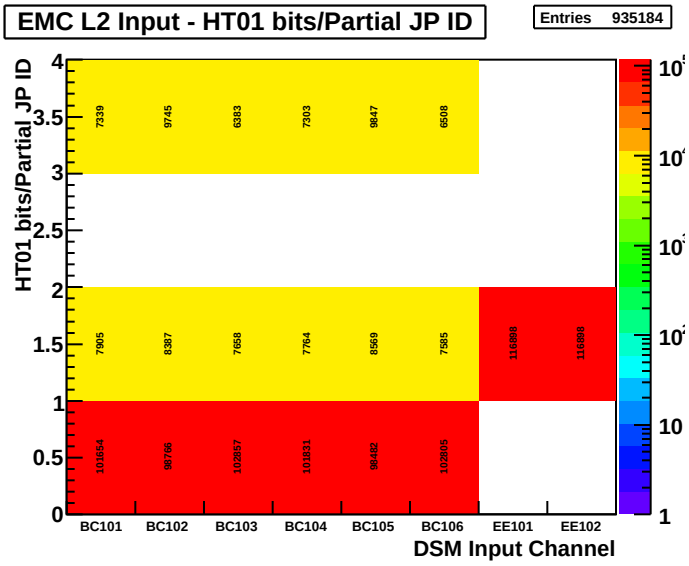

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

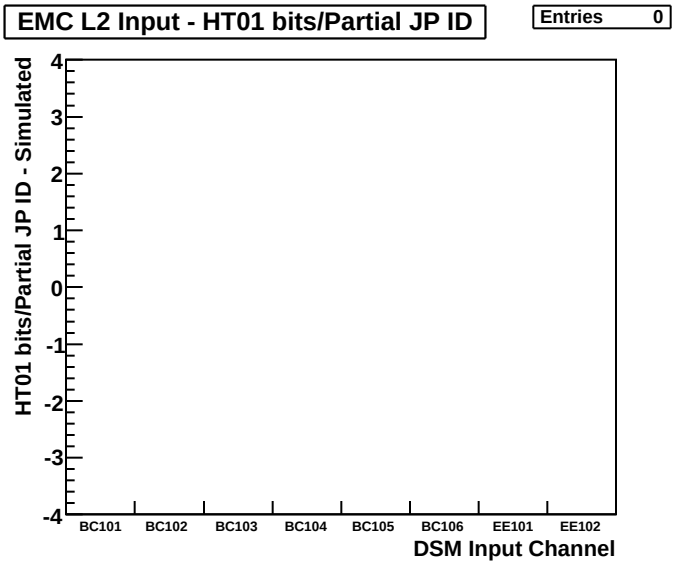

EMC L2 Input - JPZ/JPC bits
Entries 935184
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
76633 75366 76314 76536 76745 76599 116898 116898
3994 4251 4020 4066 3953 3855
1693 1766 1732 1774 1680 1652
34578 35515 34832 34522 34520 34792

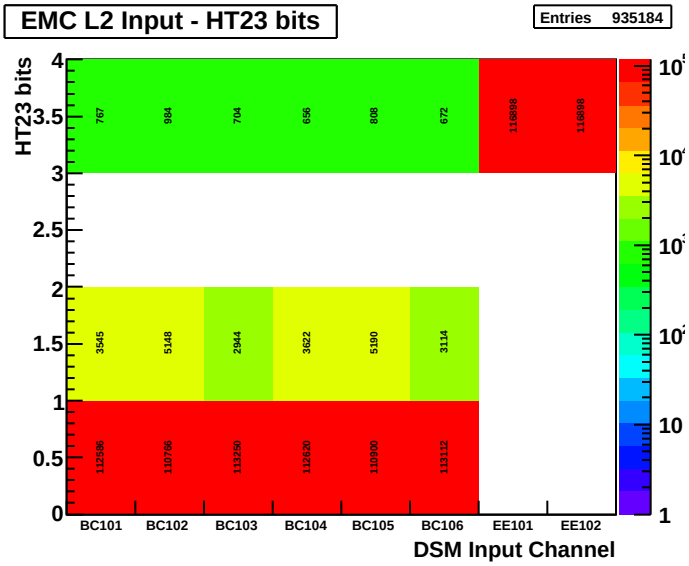

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

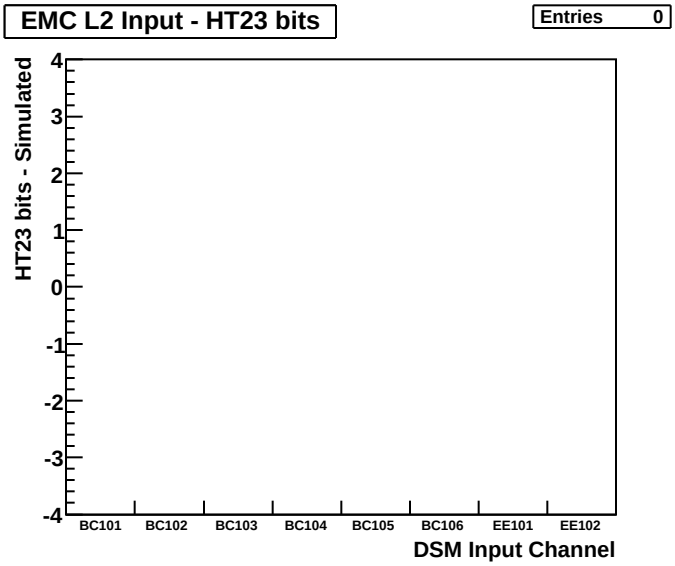

EMC L2 Input - Partial JP Sum
Entries 935184
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

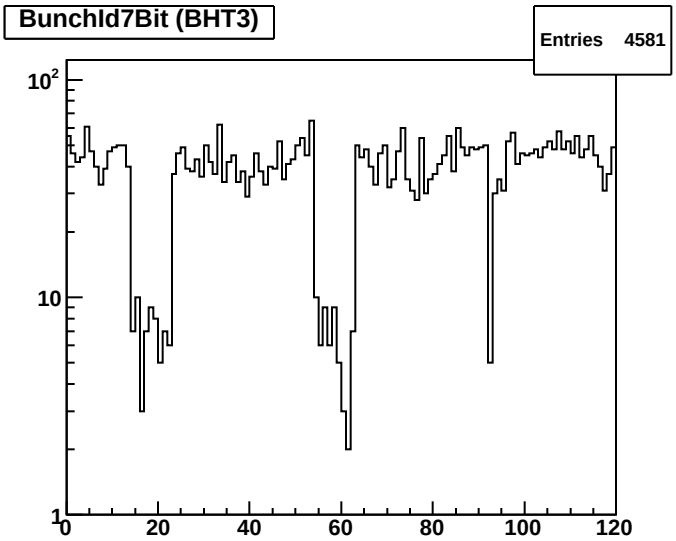

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

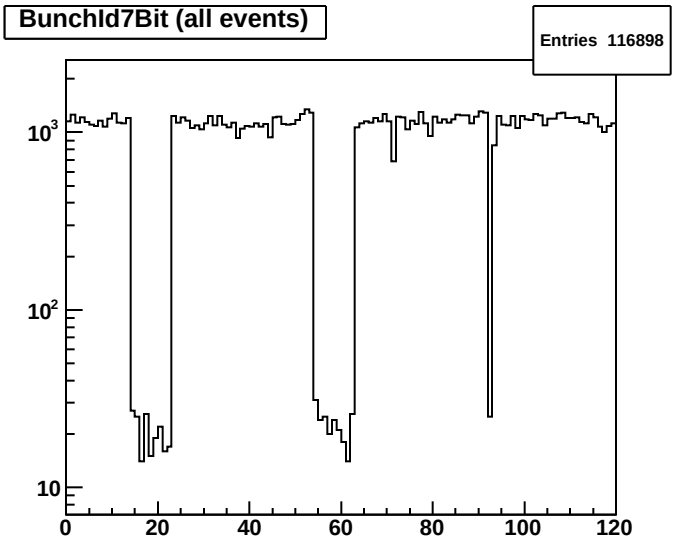

EMC L2 Input - HT01 bits/Partial JP ID
Entries 935184
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

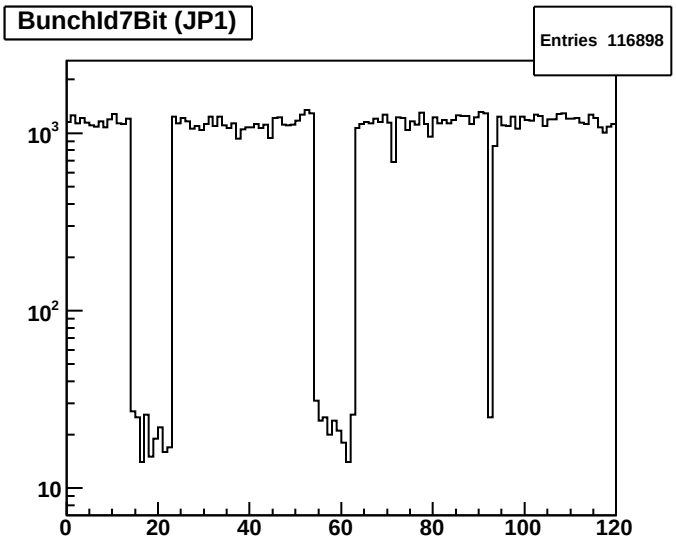

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

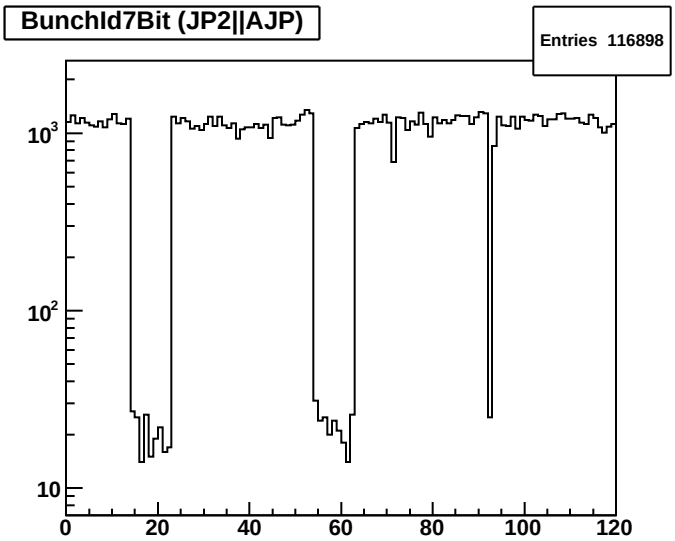

EMC L2 Input - HT23 bits
Entries 935184
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

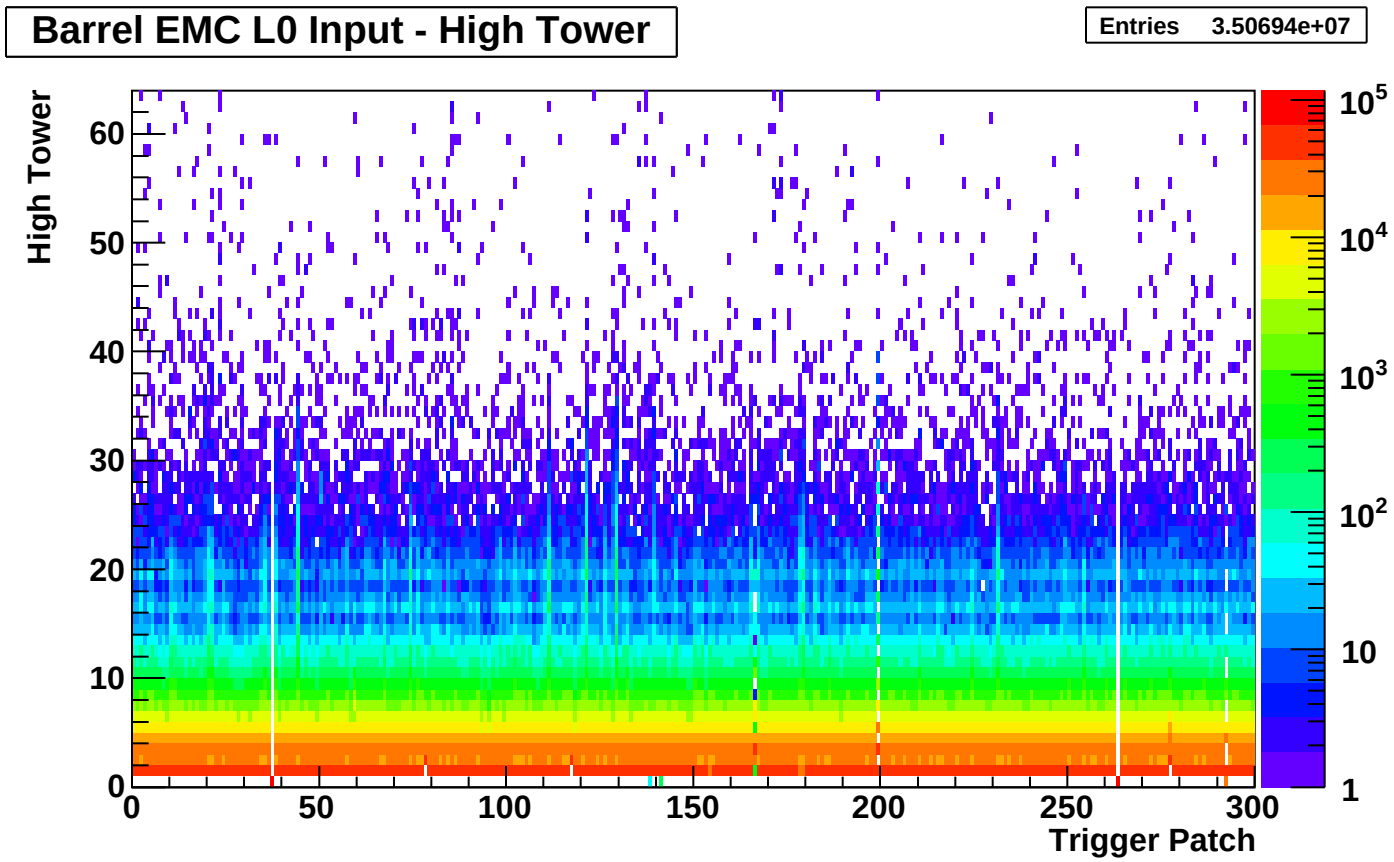

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

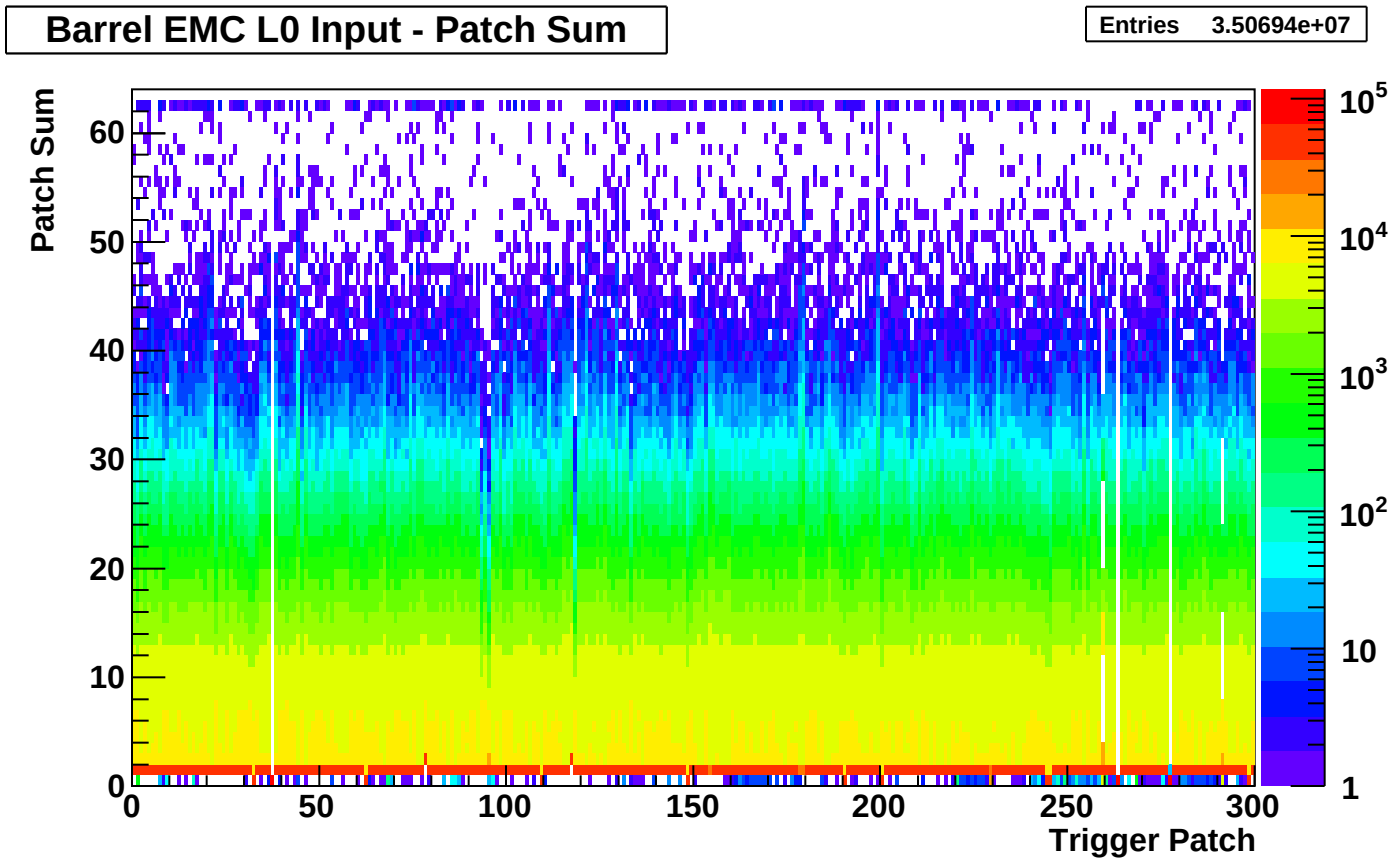

BunchId7Bit (BHT3)
Entries 4581
10^2
10
1
0
20
40
60
80
100
120

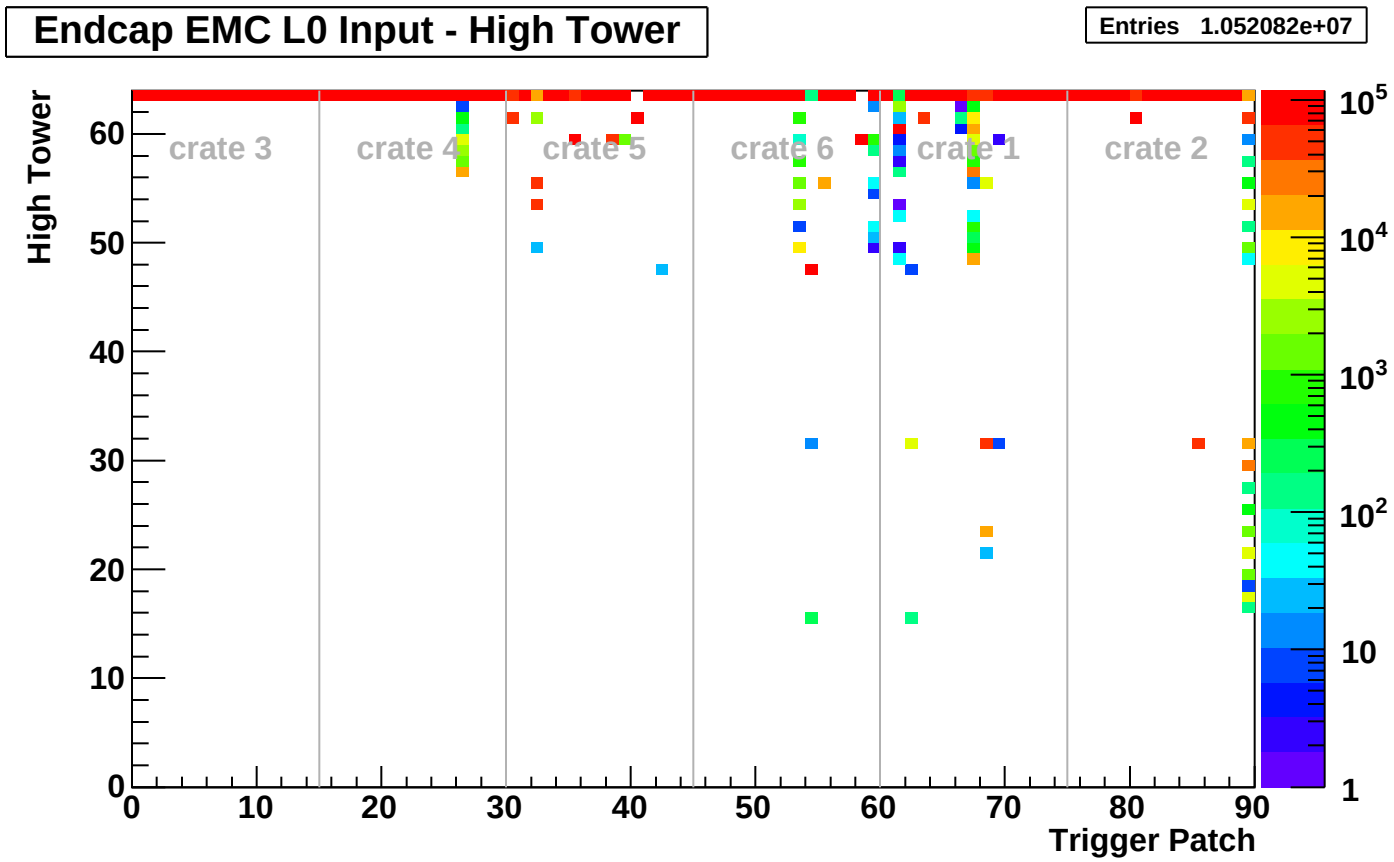

BunchId7Bit (all events)
Entries 116898
10^3
10^2
10
0
20
40
60
80
100
120

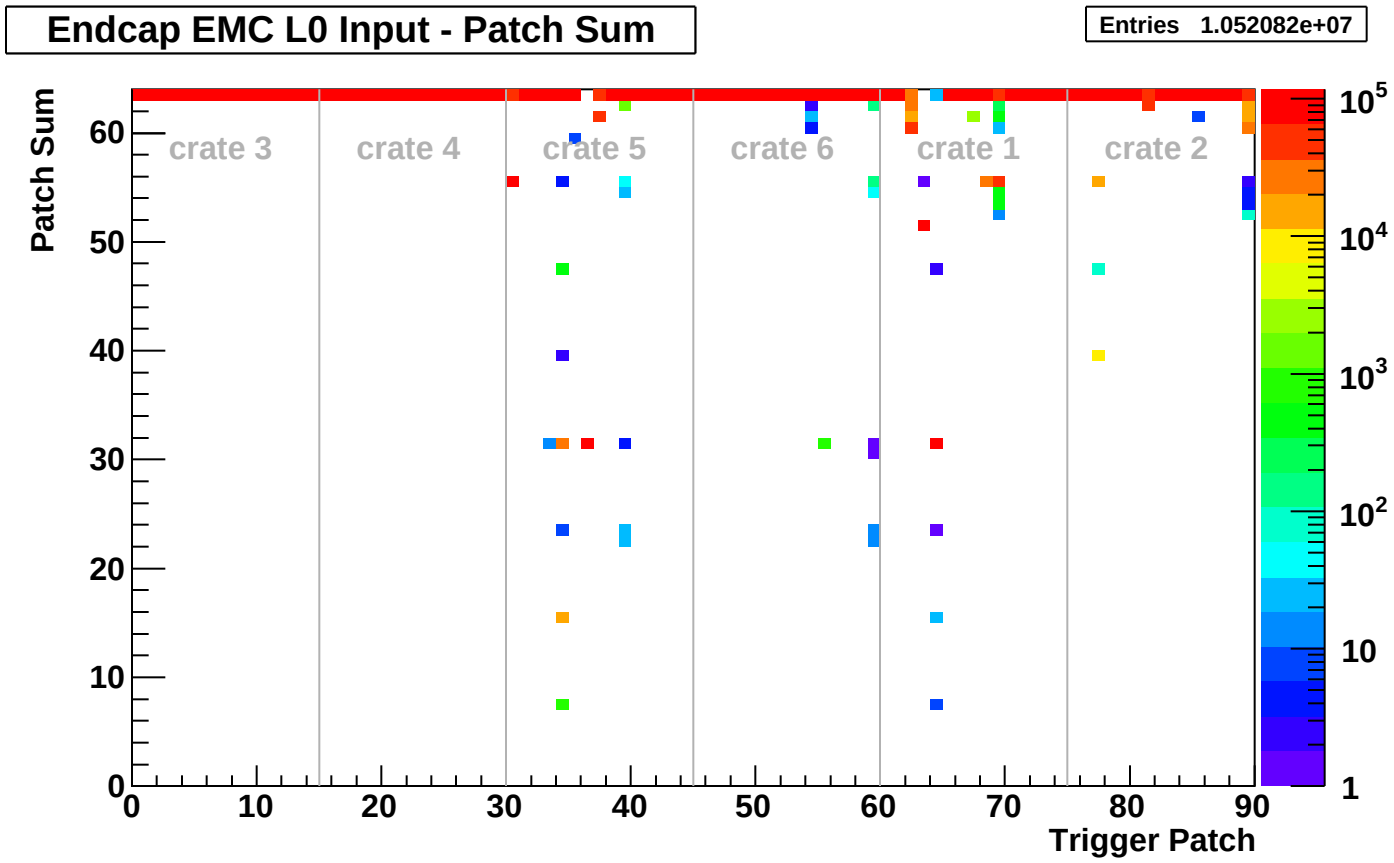

BunchId7Bit (JP1)
Entries 116898
10^3
10^2
10
0
20
40
60
80
100
120

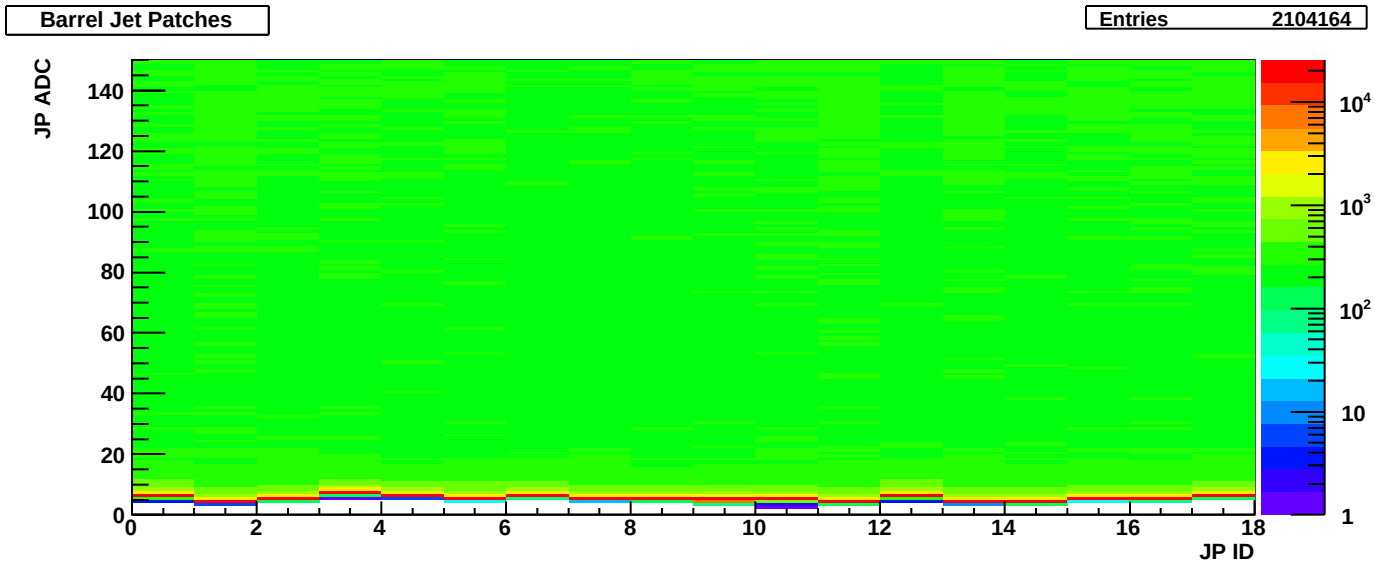

BunchId7Bit (JP2||AJP)
Entries 116898
10^3
10^2
10
0
20
40
60
80
100
120

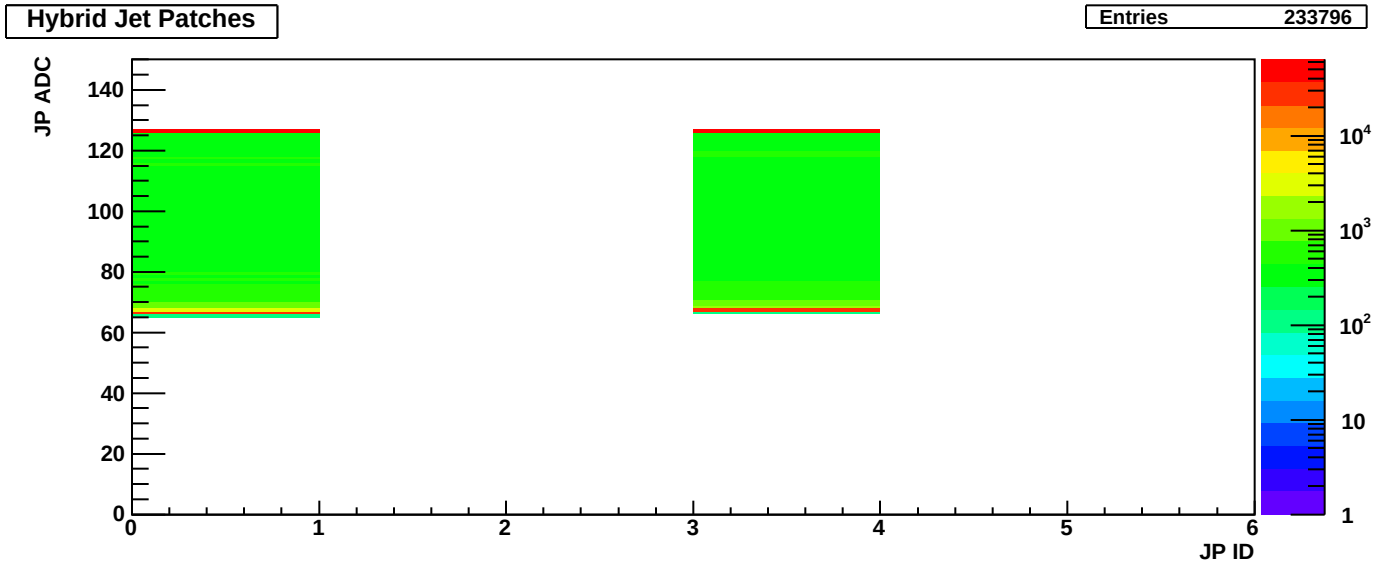

Barrel EMC L0 Input - High Tower
Entries 3.50694e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

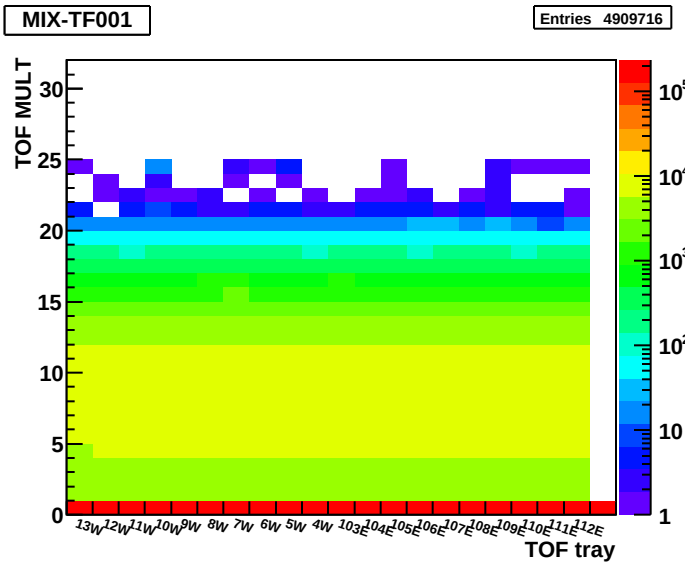

Barrel EMC L0 Input - Patch Sum
Entries 3.50694e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

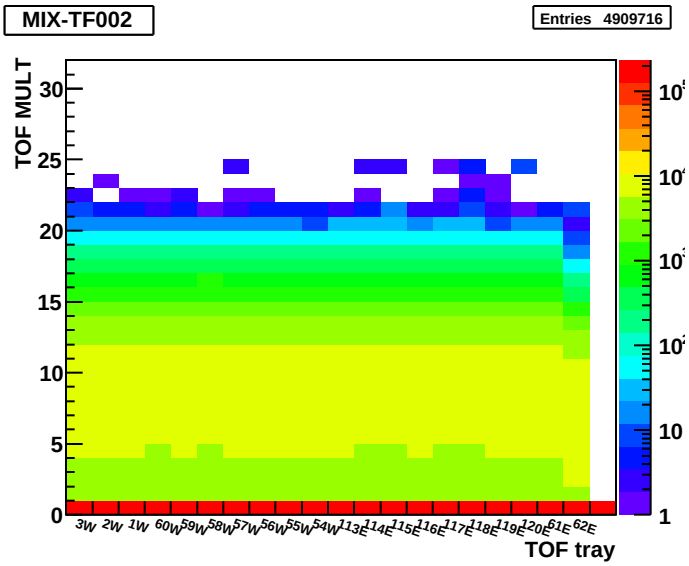

Endcap EMC L0 Input - High Tower
Entries 1.052082e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

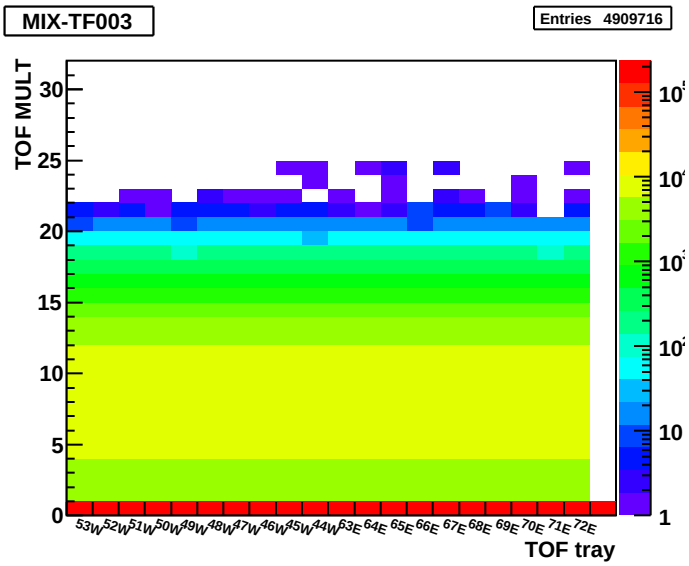

Endcap EMC L0 Input - Patch Sum
Entries 1.052082e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

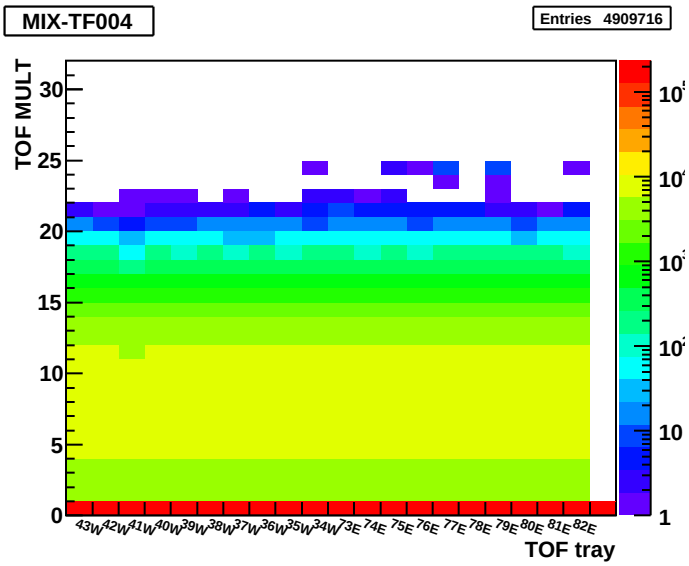

Barrel Jet Patches
Entries 2104164
JP ADC
JP ID

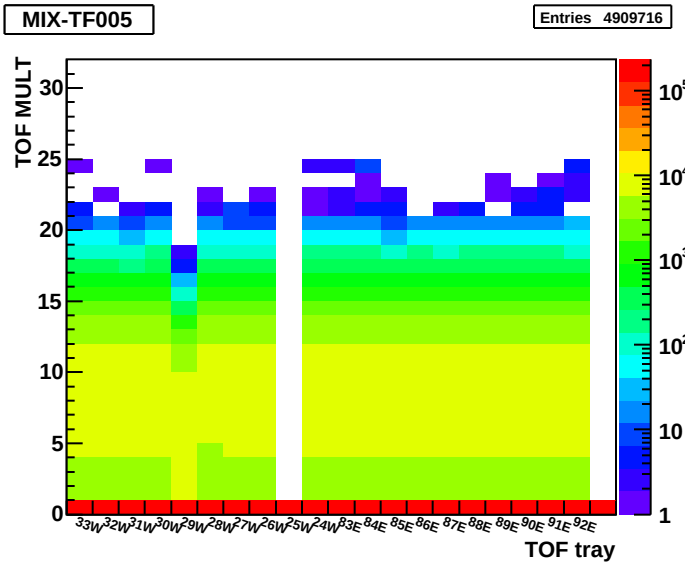

Hybrid Jet Patches
Entries 233796
JP ADC
JP ID

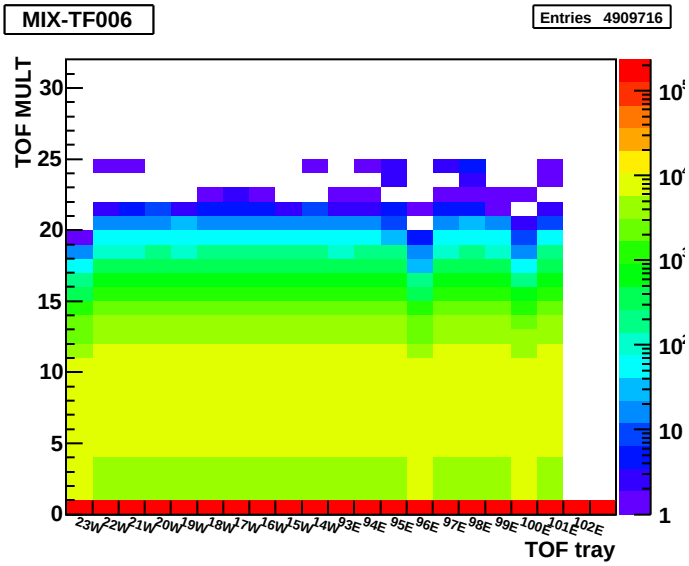

MIX-TF001
Entries 4909716
TOF MULT
TOF tray

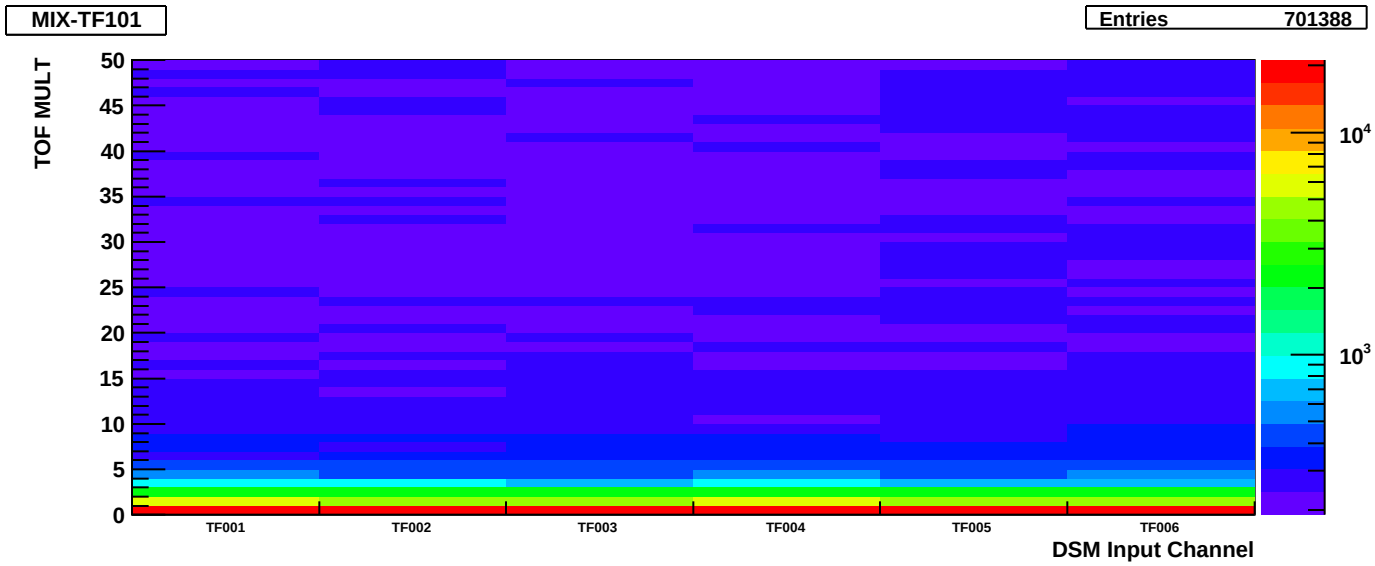

MIX-TF002
Entries 4909716
TOF MULT
TOF tray

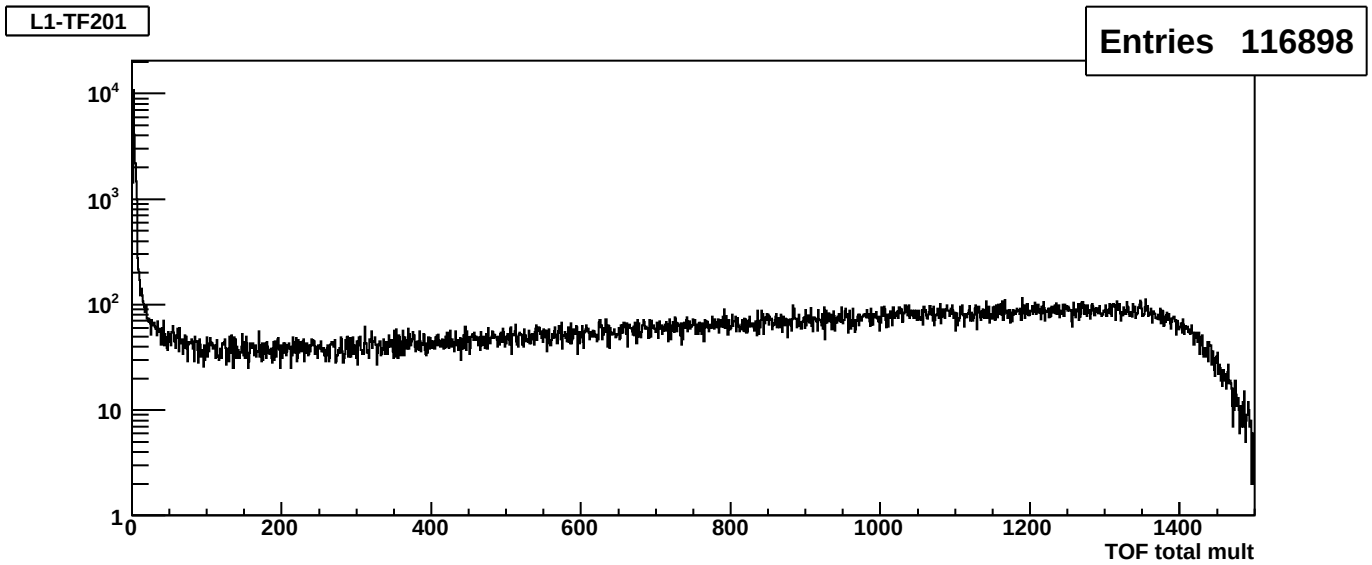

MIX-TF003
Entries 4909716
TOF MULT
TOF tray

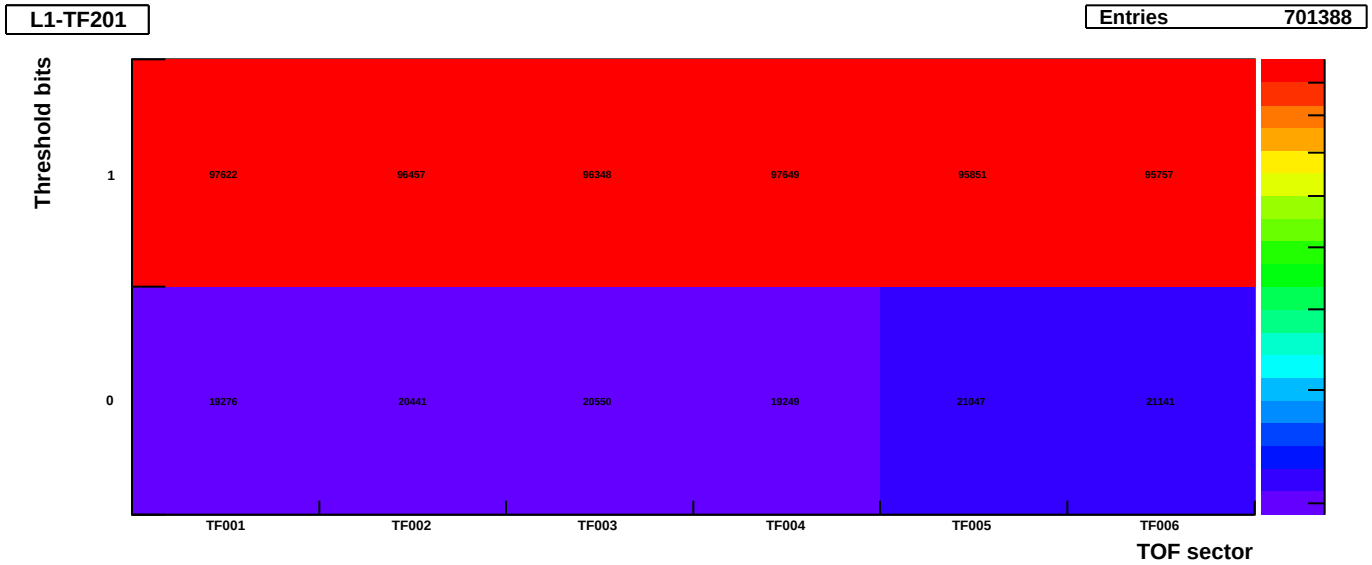

MIX-TF004
Entries 4909716
TOF MULT
TOF tray

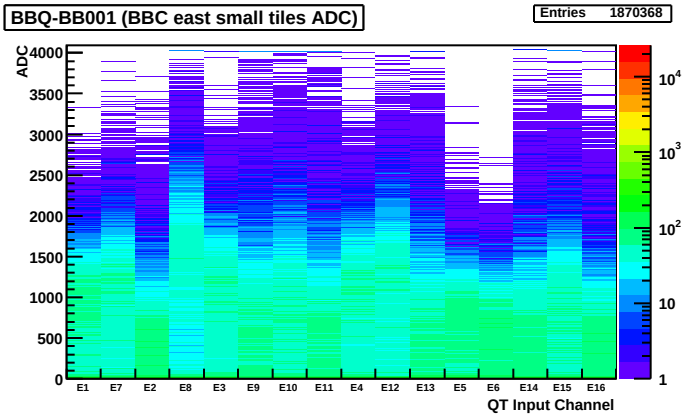

MIX-TF005
Entries 4909716
TOF MULT
TOF tray

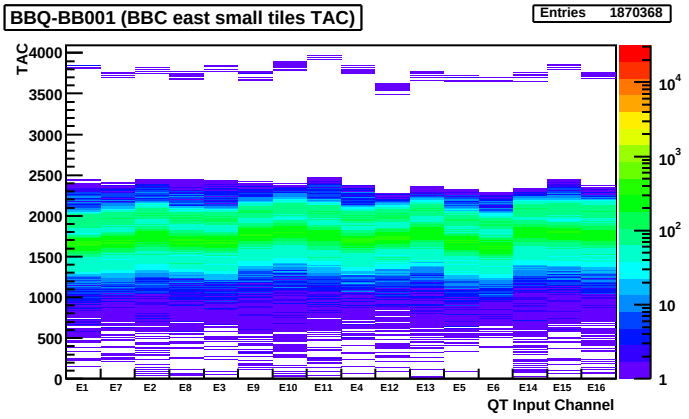

MIX-TF006
Entries 4909716
TOF MULT
TOF tray

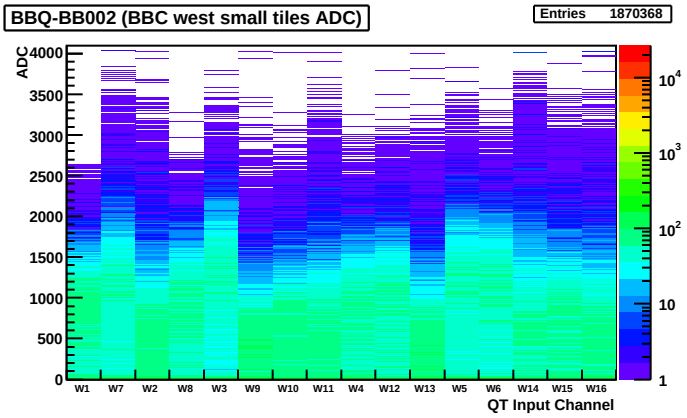

MIX-TF101
Entries 701388
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

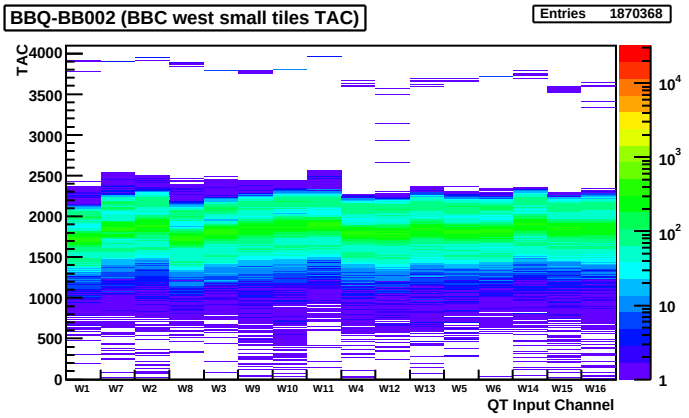

L1-TF201
Entries 116898
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

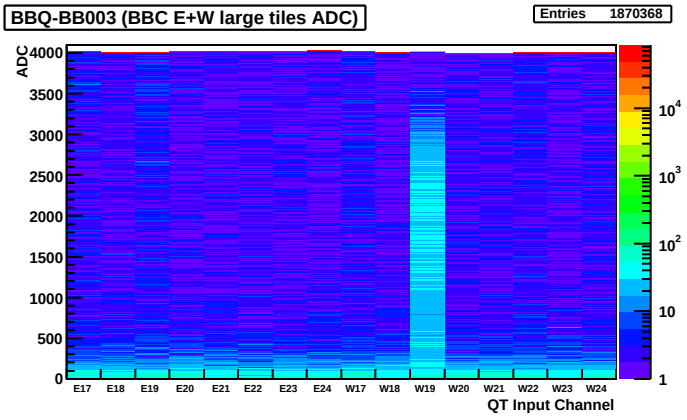

L1-TF201
Entries 701388
Threshold bits
1
0
97622
96457
96348
97649
95851
95757
19276
20441
20550
19249
21047
21141
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

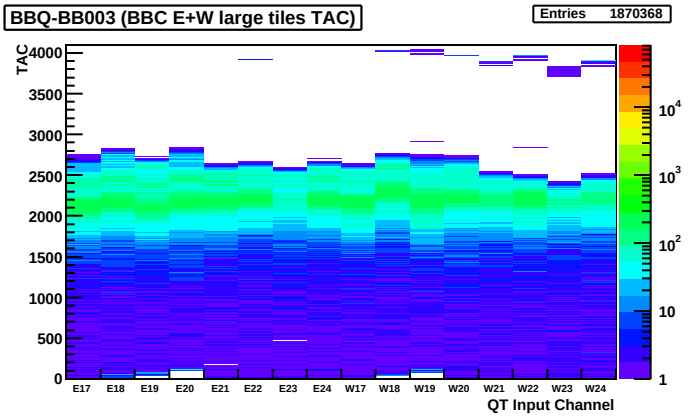

BBQ-BB001 (BBC east small tiles ADC)
Entries 1870368
ADC
QT Input Channel

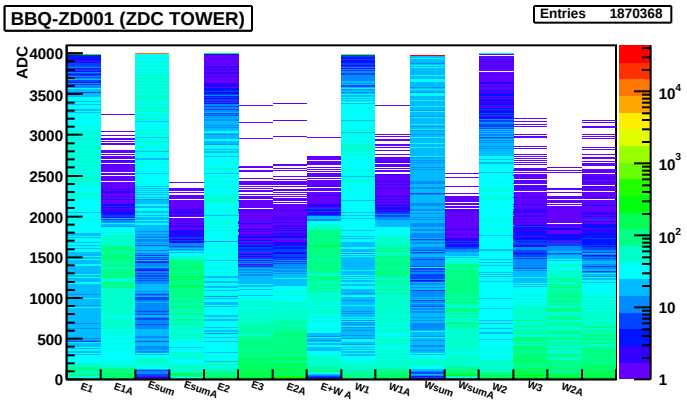

BBQ-BB001 (BBC east small tiles TAC)
Entries 1870368
TAC
QT Input Channel

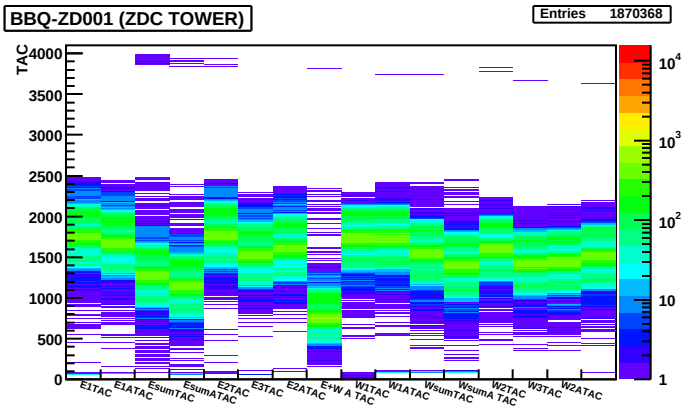

BBQ-BB002 (BBC west small tiles ADC)
Entries 1870368
ADC
QT Input Channel

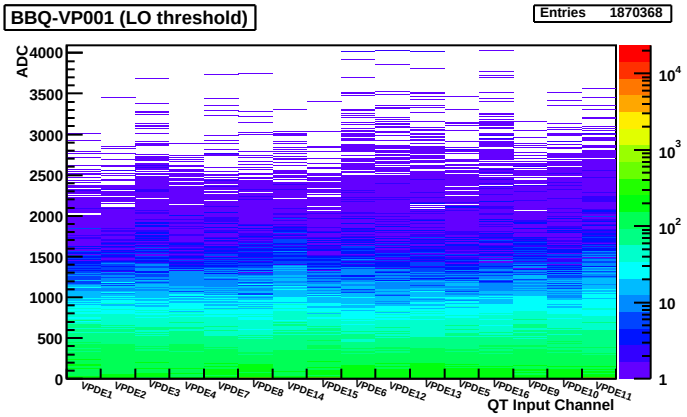

BBQ-BB002 (BBC west small tiles TAC)
Entries 1870368
TAC
QT Input Channel

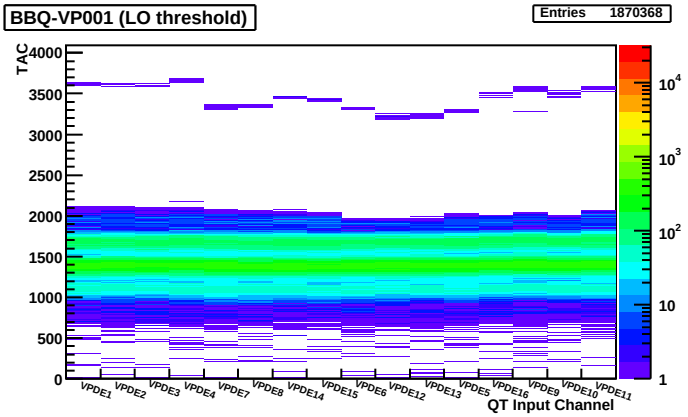

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1870368
ADC
QT Input Channel

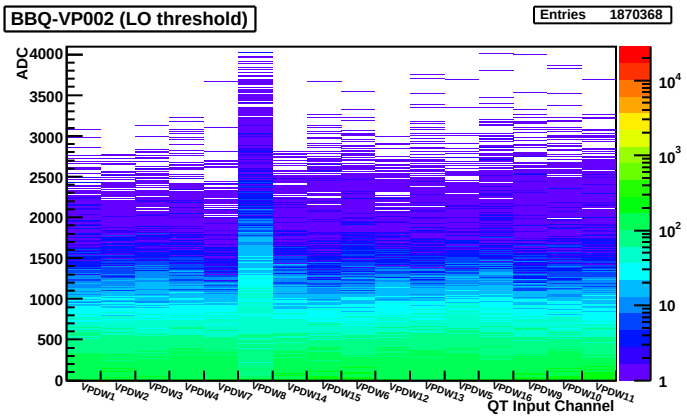

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1870368
TAC
QT Input Channel

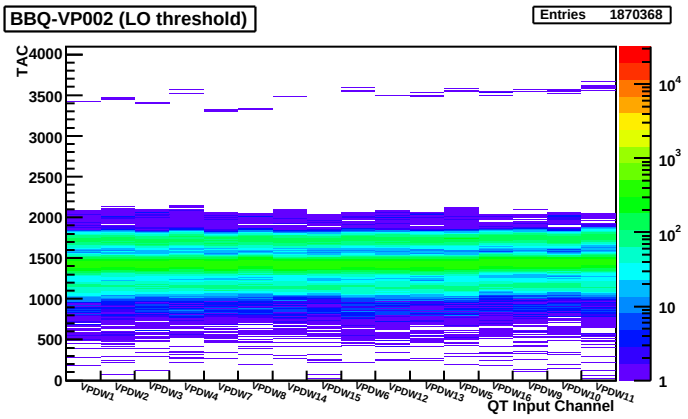

BBQ-ZD001 (ZDC TOWER)
Entries 1870368
ADC

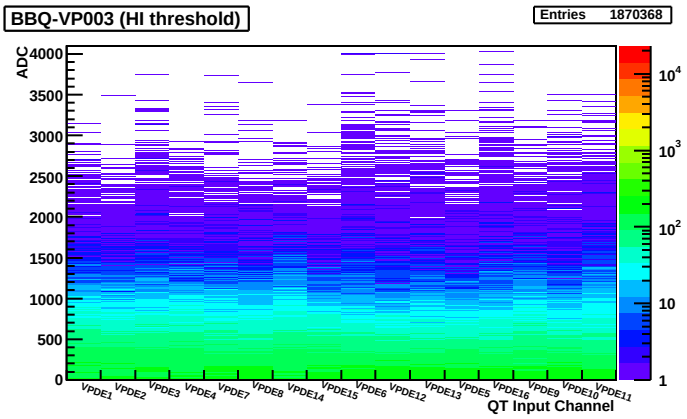

BBQ-ZD001 (ZDC TOWER)
Entries 1870368
TAC

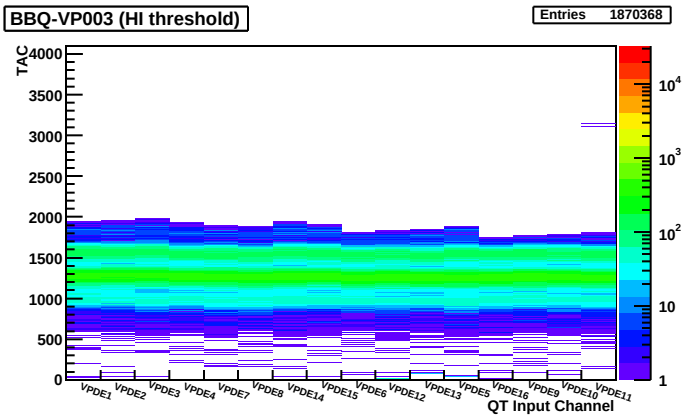

BBQ-VP001 (LO threshold)
Entries 1870368
ADC
QT Input Channel

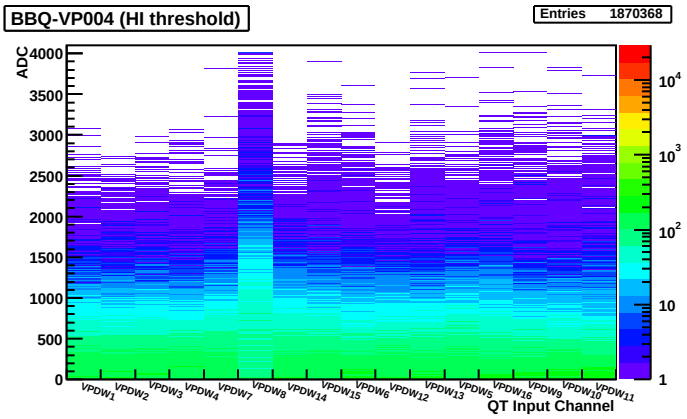

BBQ-VP001 (LO threshold)
Entries 1870368
TAC
QT Input Channel

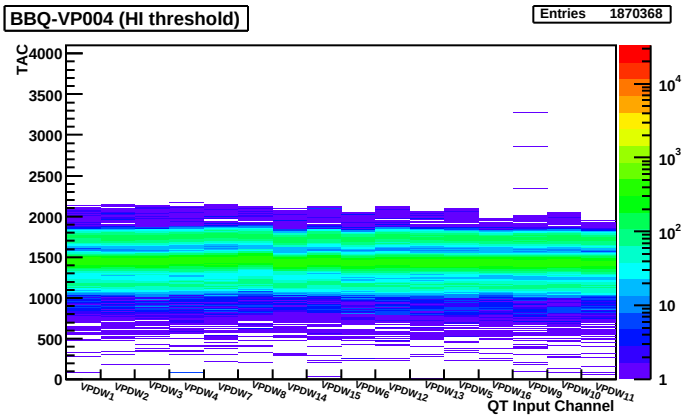

BBQ-VP002 (LO threshold)
Entries 1870368
ADC
QT Input Channel

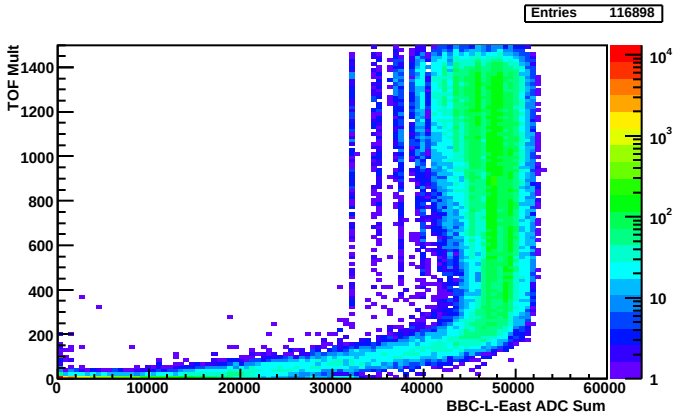

BBQ-VP002 (LO threshold)
Entries 1870368
TAC
QT Input Channel

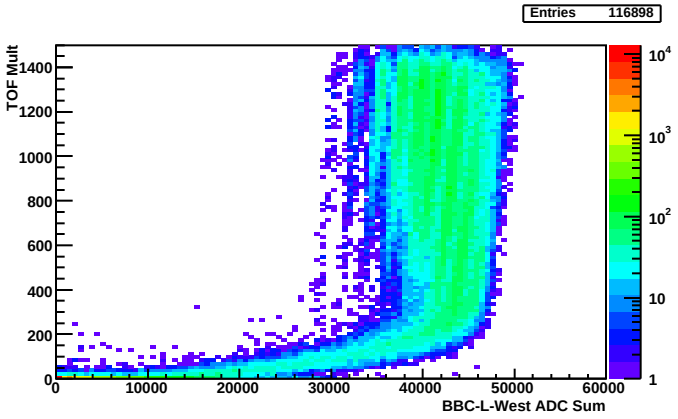

BBQ-VP003 (HI threshold)
Entries 1870368
ADC
QT Input Channel

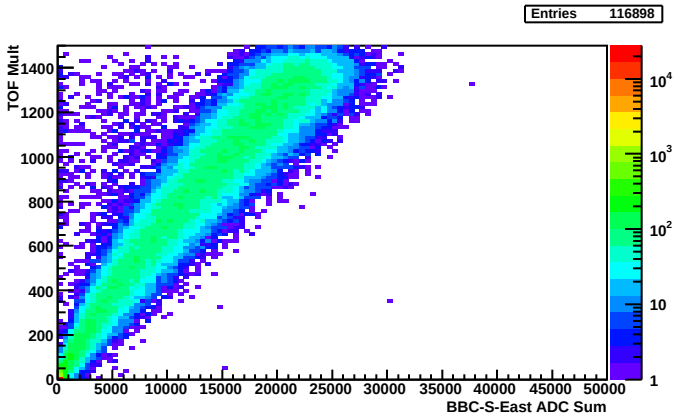

BBQ-VP003 (HI threshold)
Entries 1870368
TAC
QT Input Channel

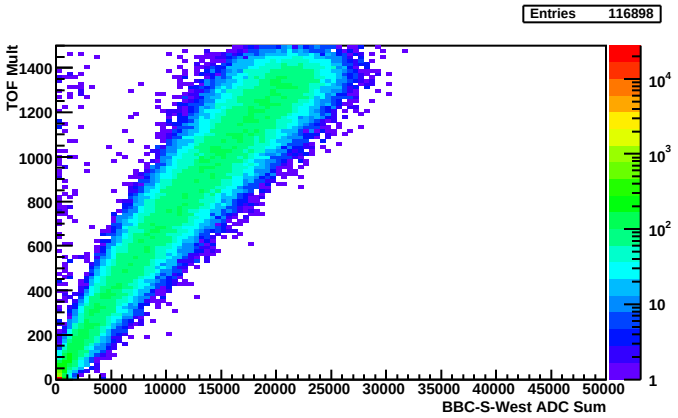

BBQ-VP004 (HI threshold)
Entries 1870368
ADC
QT Input Channel

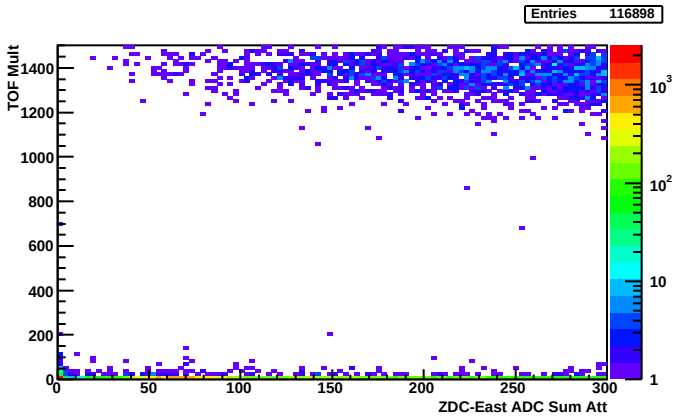

BBQ-VP004 (HI threshold)
Entries 1870368
TAC
QT Input Channel

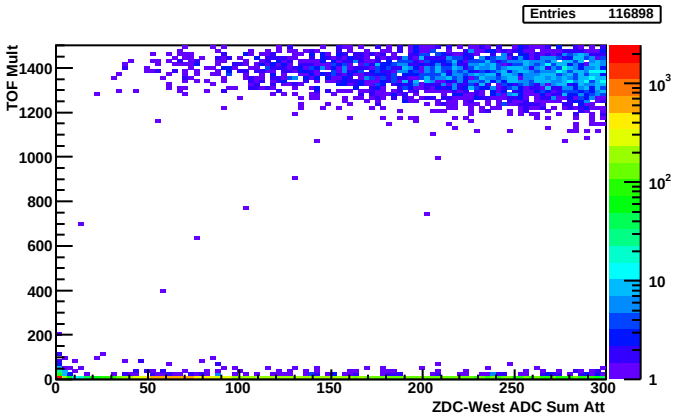

Entries 116898
TOF Mult
BBC-L-East ADC Sum

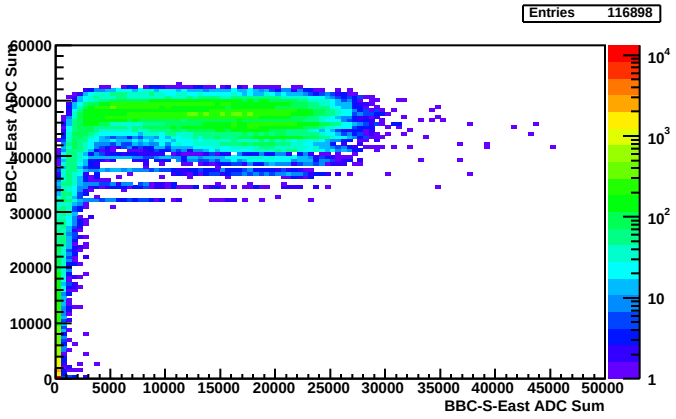

Entries 116898
TOF Mult
BBC-L-West ADC Sum

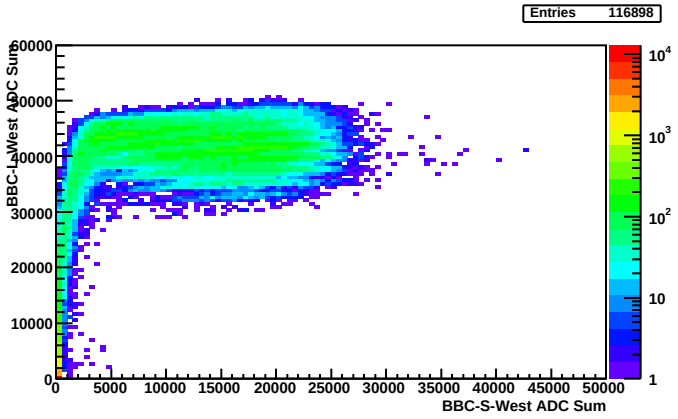

Entries 116898
TOF Mult
BBC-S-East ADC Sum

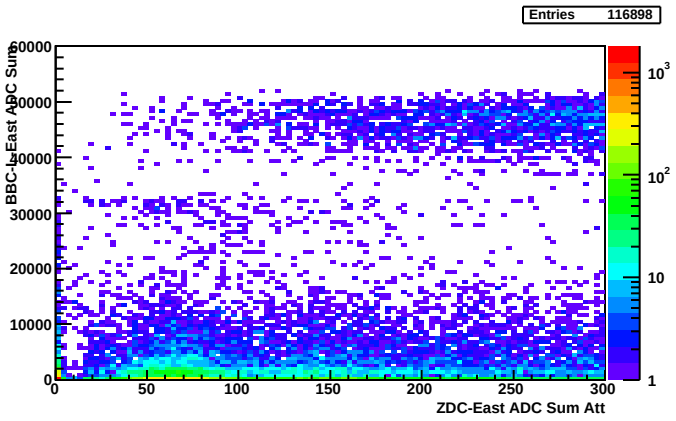

Entries 116898
TOF Mult
BBC-S-West ADC Sum

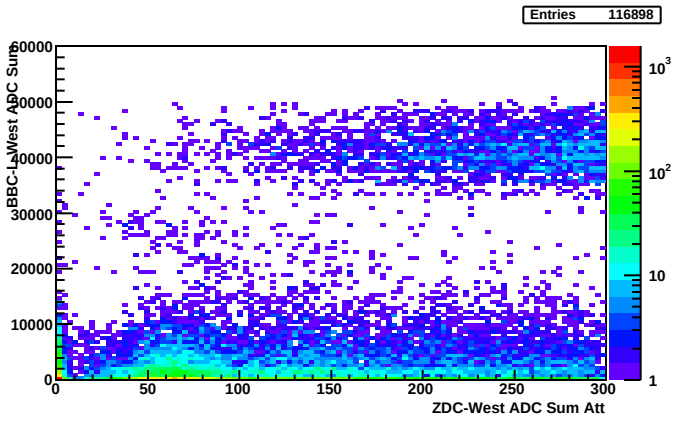

Entries 116898
TOF Mult
ZDC-East ADC Sum Att


Entries 116898
TOF Mult
ZDC-West ADC Sum Att


Entries 116898
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 116898
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 116898
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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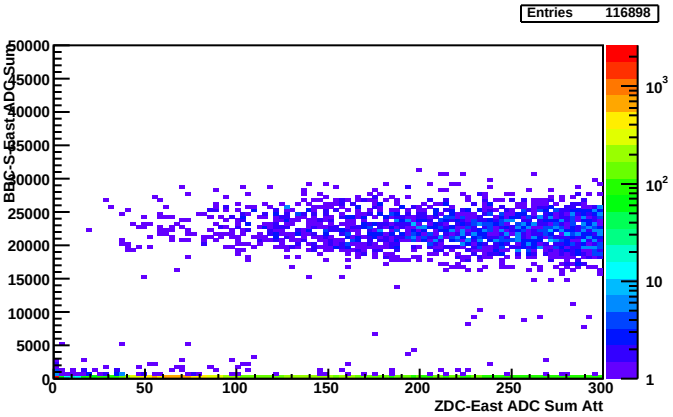
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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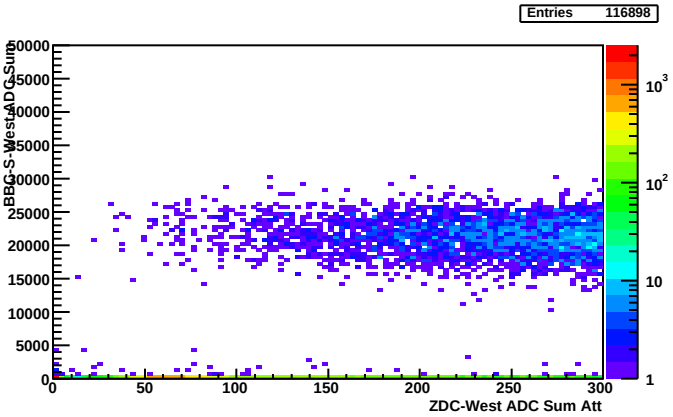
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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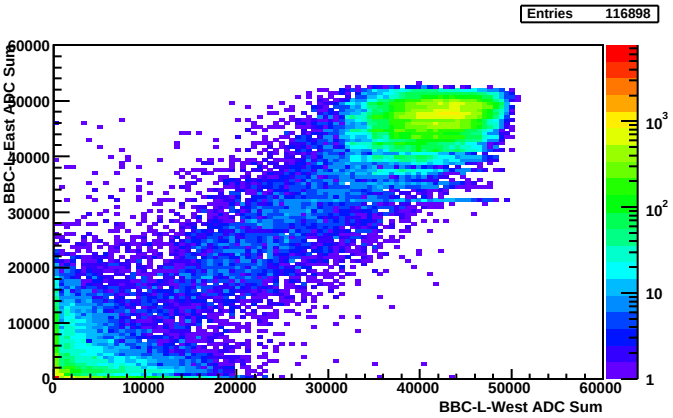
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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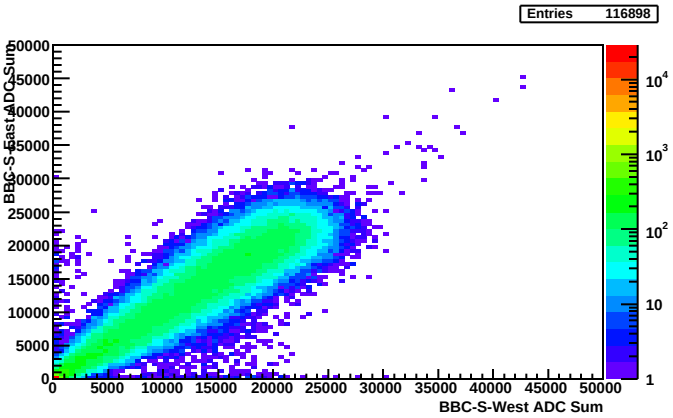
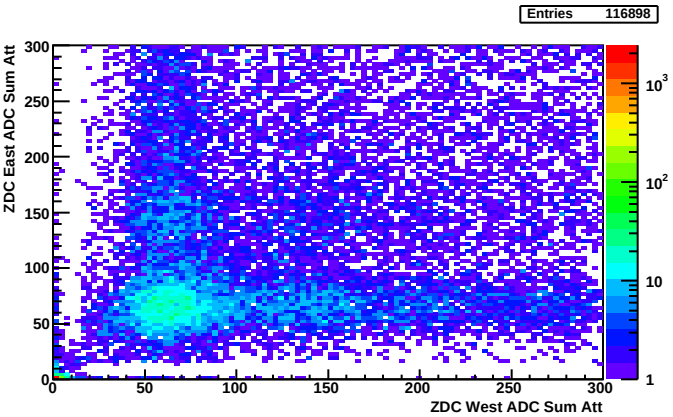
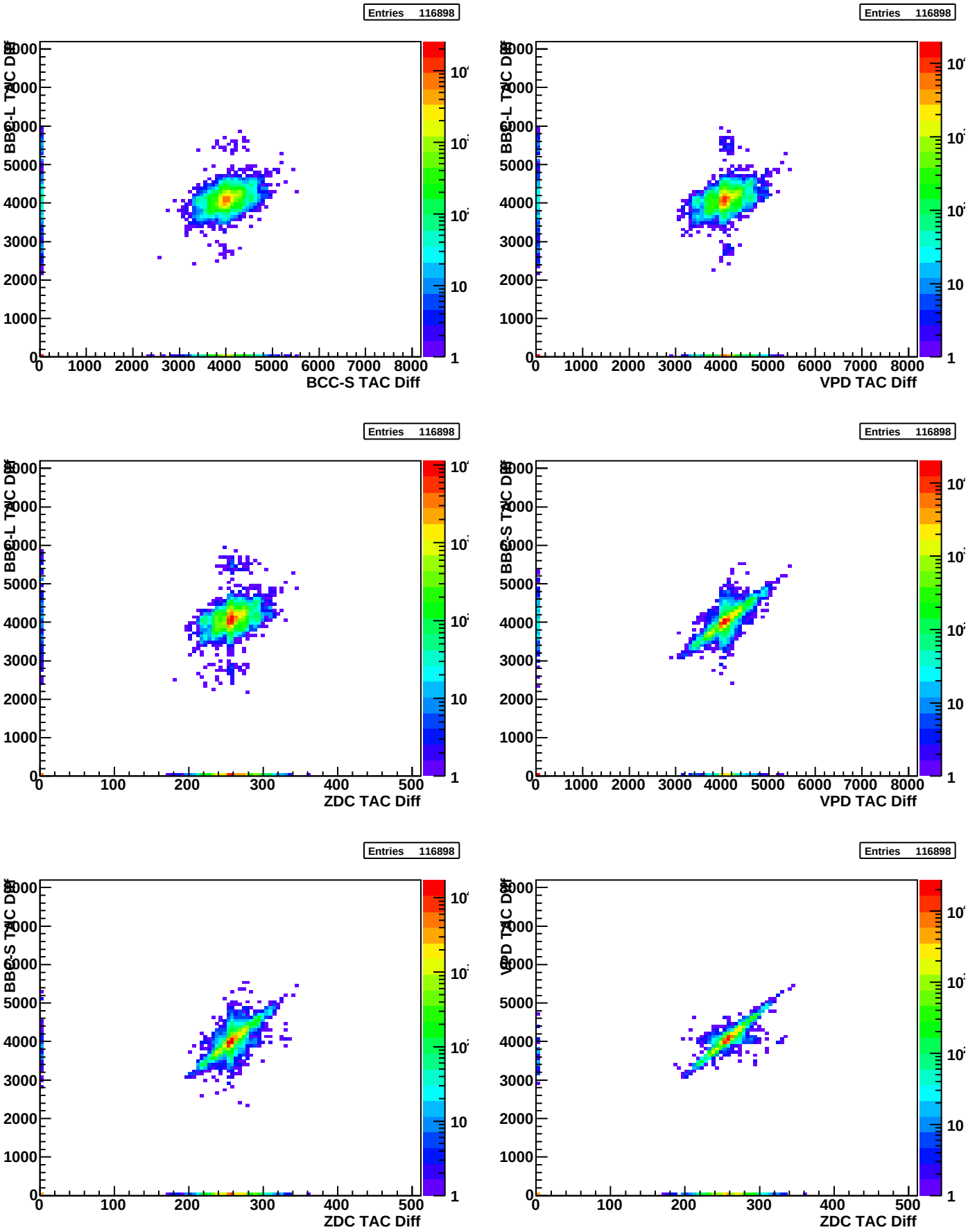
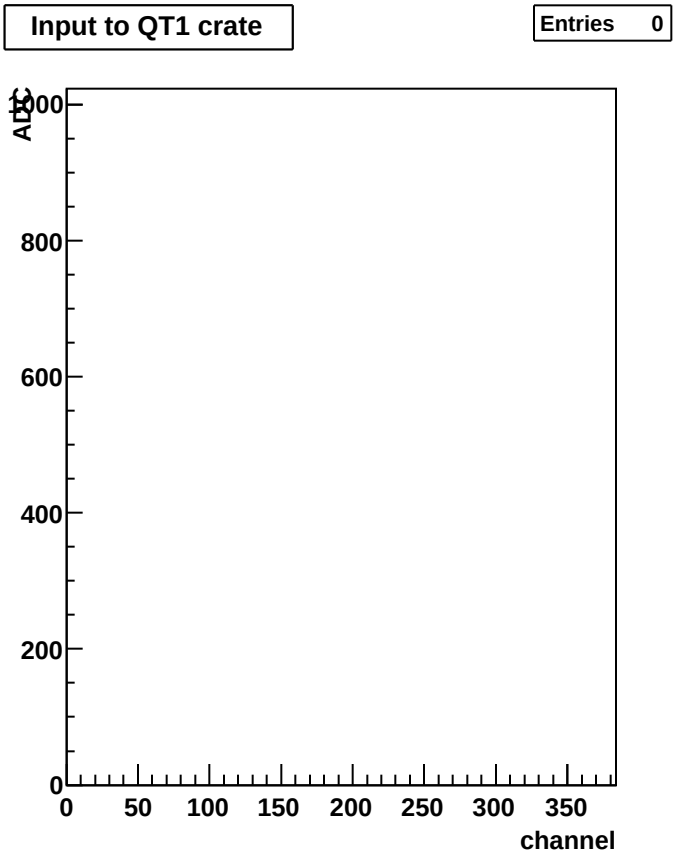
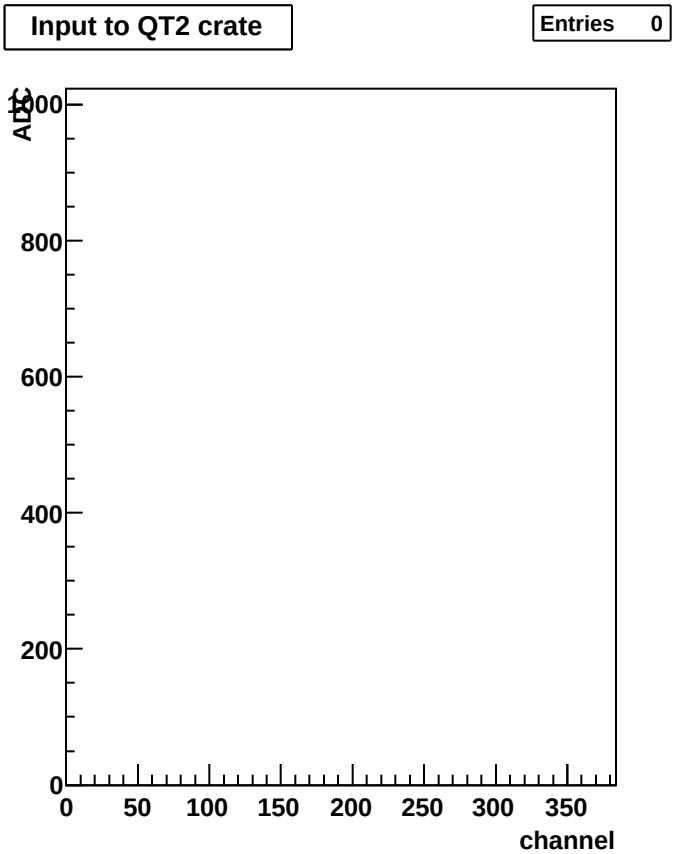
BBC-L-East ADC Sum
BBC-L-West ADC Sum

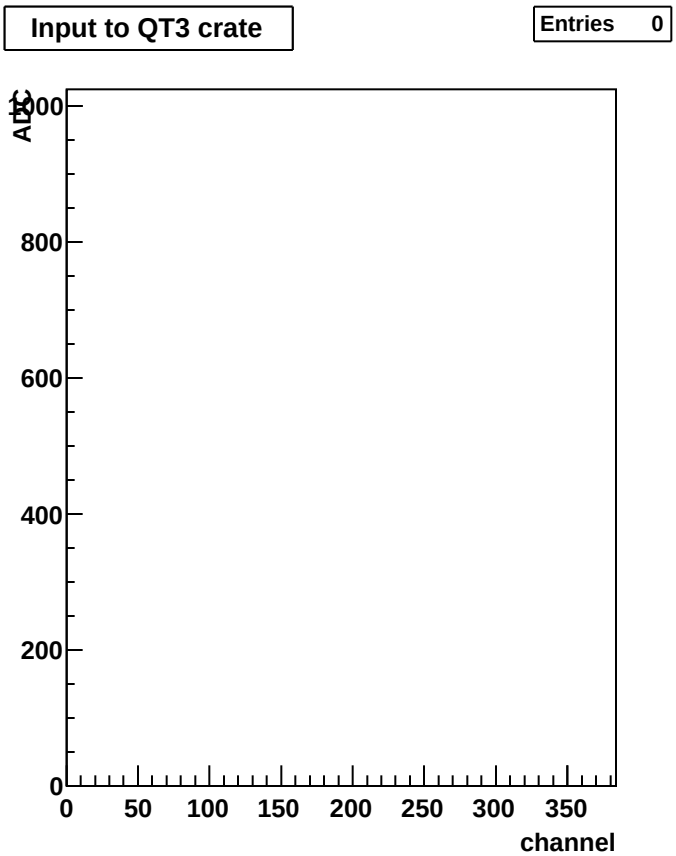

Entries 116898
BBC-S-East ADC Sum
BBC-S-West ADC Sum

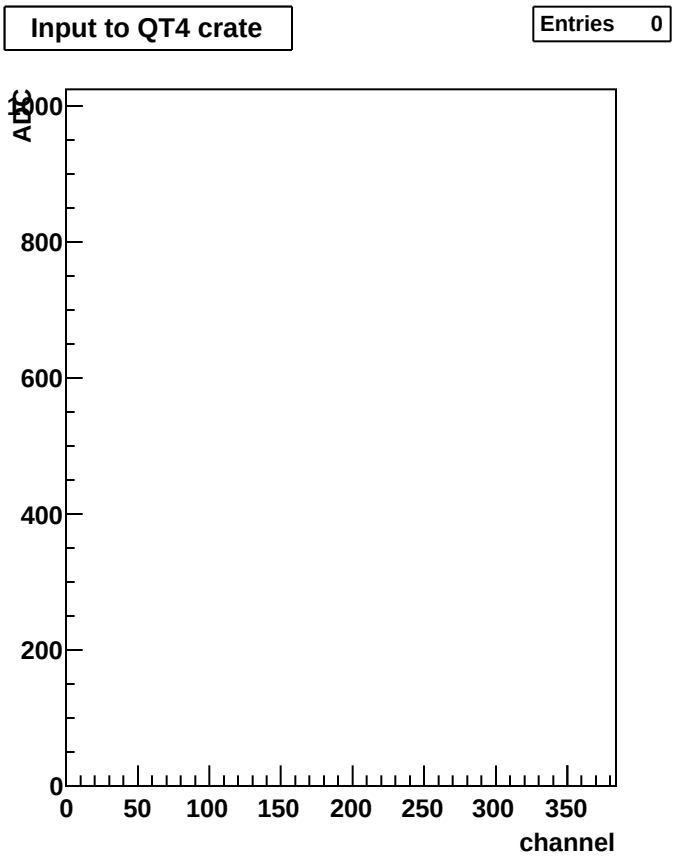

Entries 116898
ZDC East ADC Sum Att
ZDC West ADC Sum Att

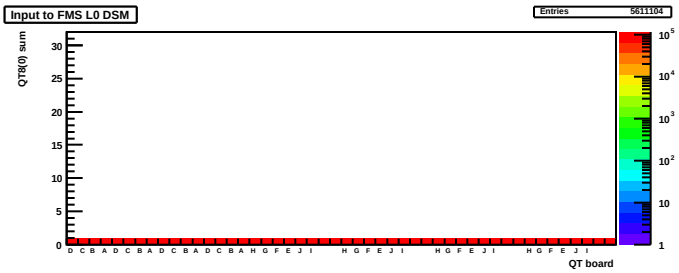

Entries 116898
BBC-L TAC Diff
BCC-S TAC Diff
Entries 116898
BBC-L TAC Diff
VPD TAC Diff
Entries 116898
BBC-L TAC Diff
ZDC TAC Diff
Entries 116898
BBC-S TAC Diff
VPD TAC Diff
Entries 116898
BBC-S TAC Diff
ZDC TAC Diff
Entries 116898
VPD TAC Diff
ZDC TAC Diff

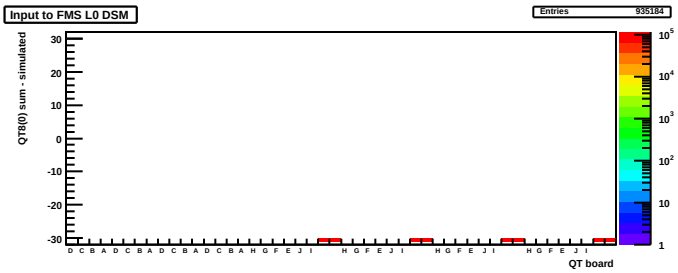

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

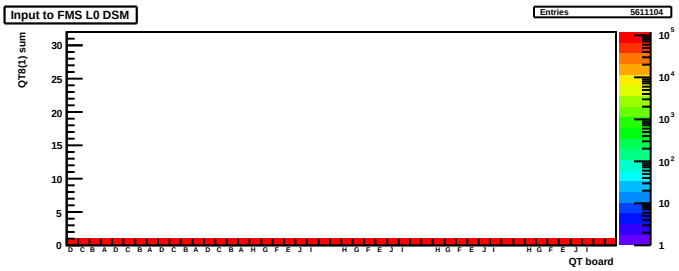

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

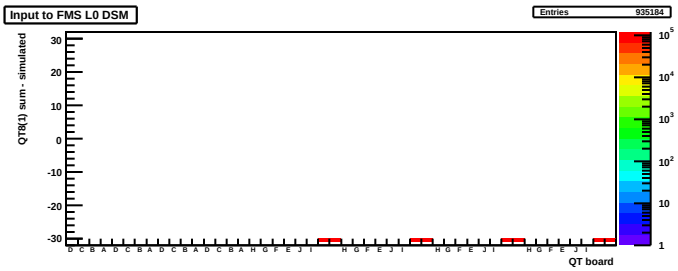

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

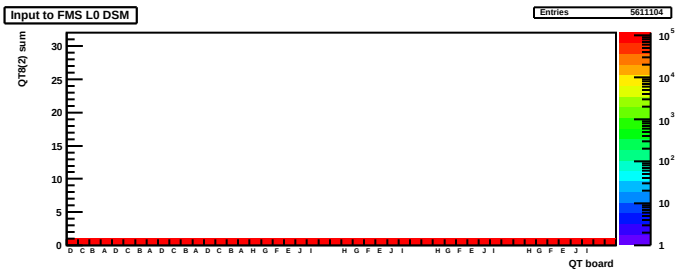

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

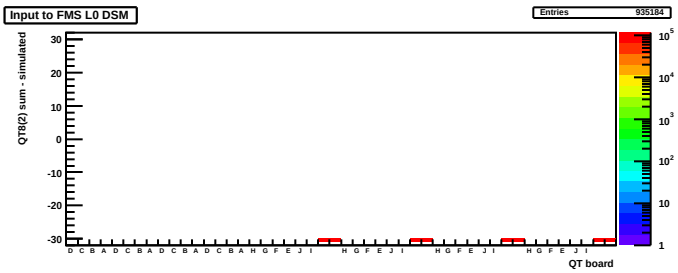

Input to FMS L0 DSM
Entries 5611104
QT8(0) sum
QT board

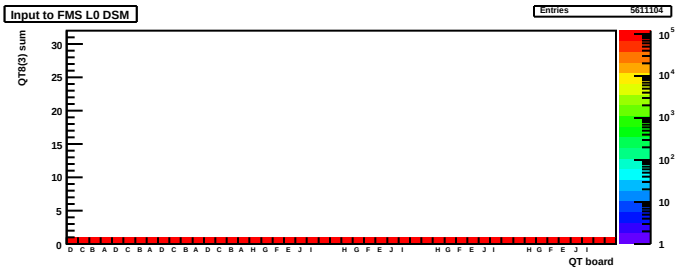

Input to FMS L0 DSM
Entries 935184
QT8(0) sum - simulated
QT board

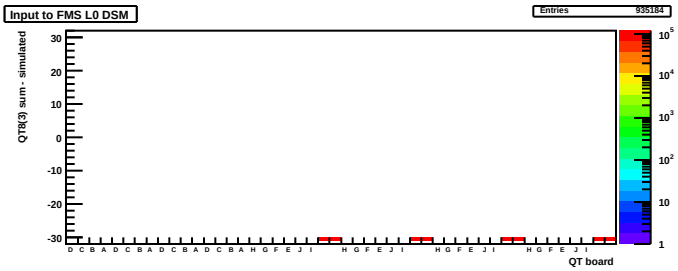

Input to FMS L0 DSM
Entries 5611104
QT8(1) sum
QT board

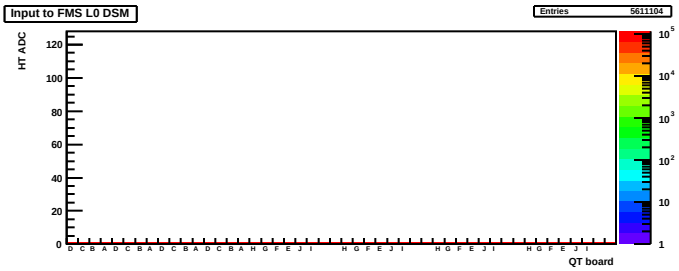

Input to FMS L0 DSM
Entries 935184
QT8(1) sum - simulated
QT board

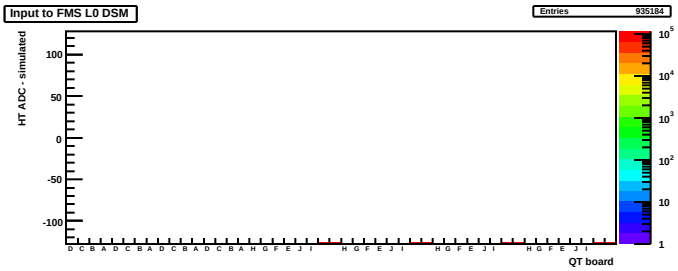

Input to FMS L0 DSM
Entries 5611104
QT8(2) sum
QT board

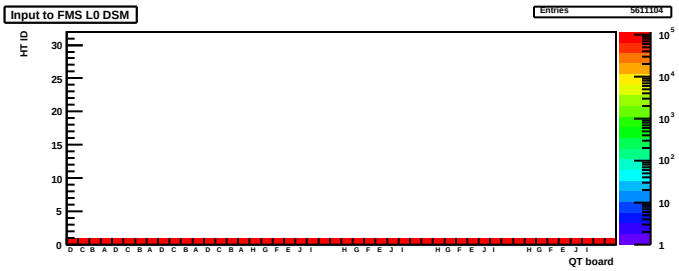

Input to FMS L0 DSM
Entries 935184
QT8(2) sum - simulated
QT board

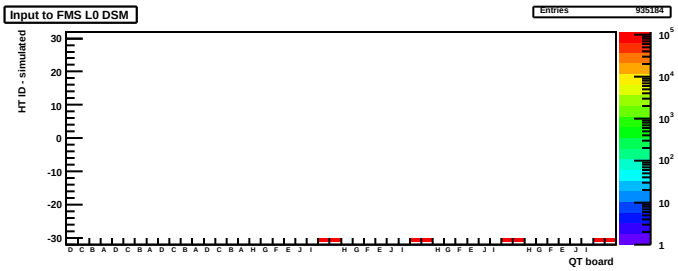

Input to FMS L0 DSM
Entries 5611104
QT8(3) sum
QT board

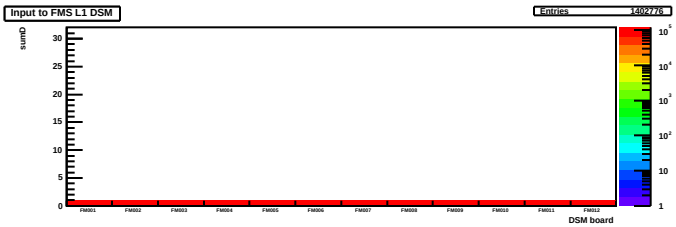

Input to FMS L0 DSM
Entries 935184
QT8(3) sum - simulated
QT board

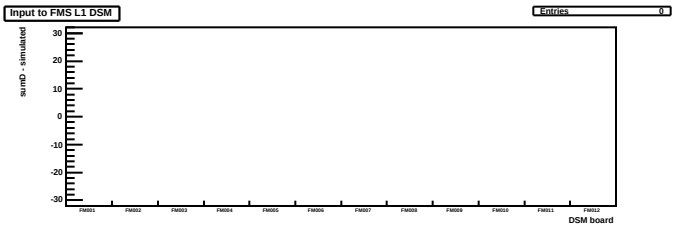

Input to FMS L0 DSM
Entries 5611104
HT ADC
QT board

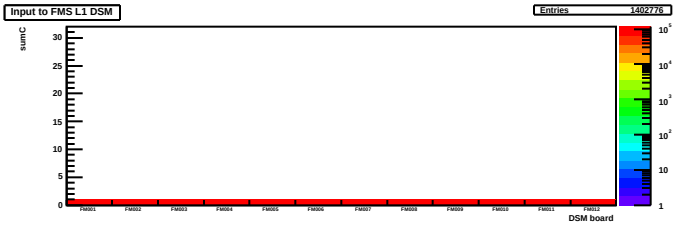

Input to FMS L0 DSM
Entries 935184
HT ADC - simulated
QT board

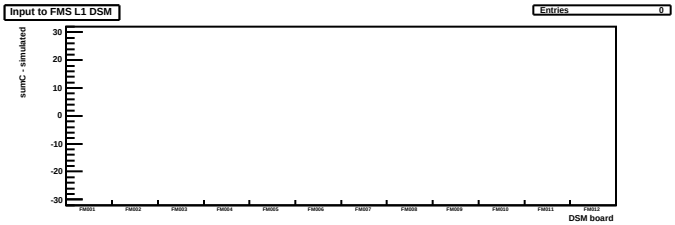

Input to FMS L0 DSM
Entries 5611104
HT ID
QT board

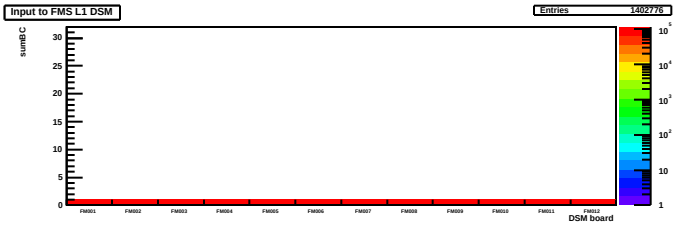

Input to FMS L0 DSM
Entries 935184
HT ID - simulated
QT board

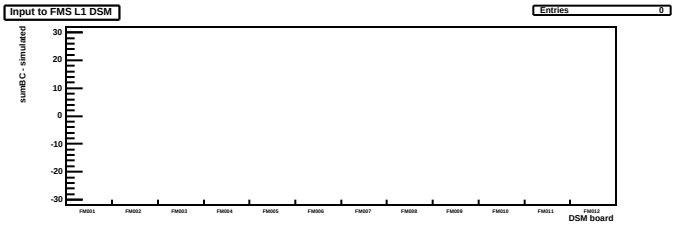

Input to FMS L1 DSM
Entries 1402776
sumD
DSM board

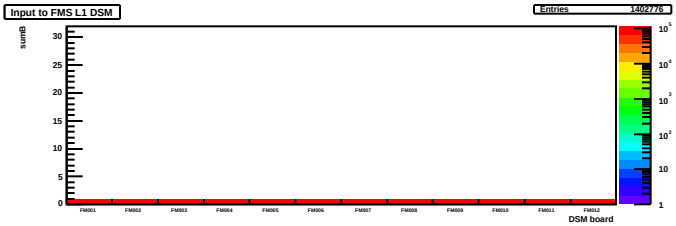

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

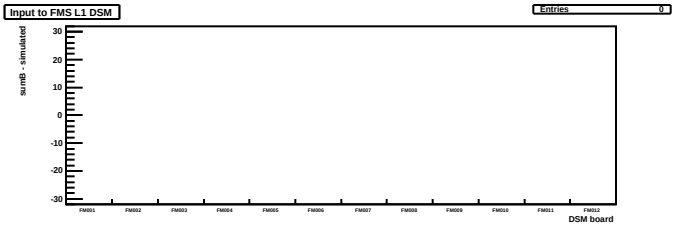

Input to FMS L1 DSM
Entries 1402776
sumC
DSM board

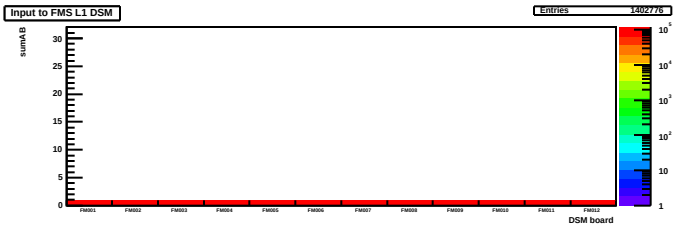

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

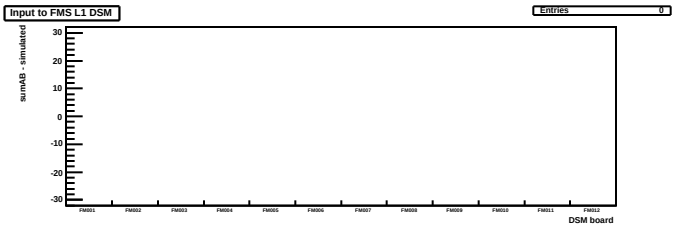

Input to FMS L1 DSM
Entries 1402776
sumBC
DSM board

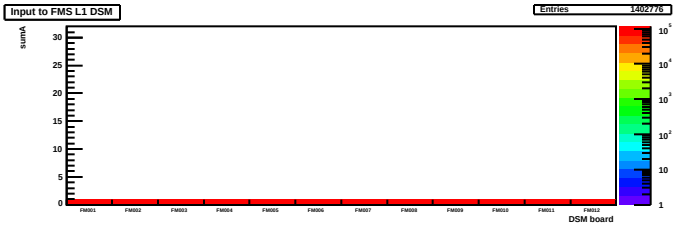

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

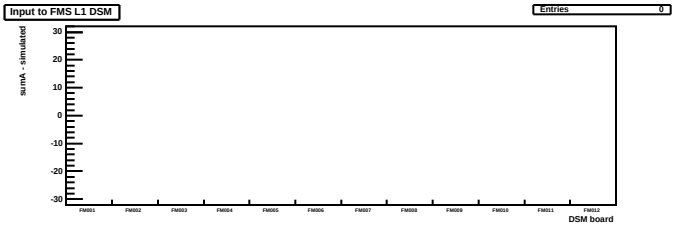

Input to FMS L1 DSM
Entries 1402776
sumB
DSM board

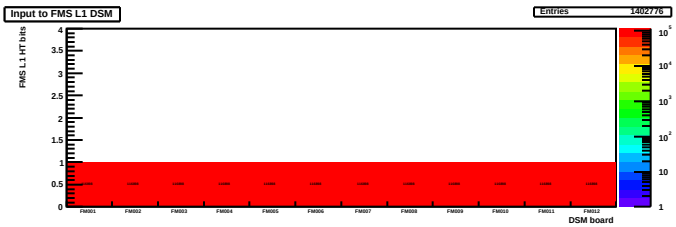

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

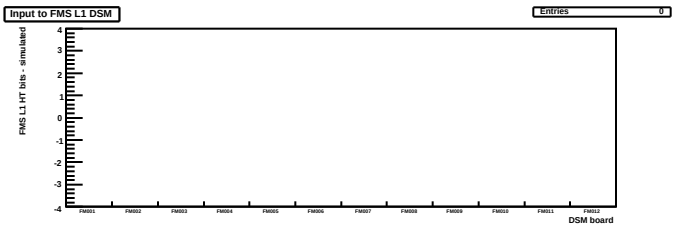

Input to FMS L1 DSM
Entries 1402776
sumAB
DSM board

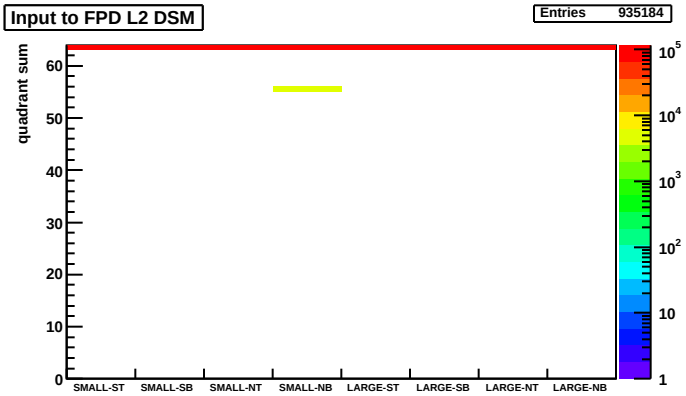

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

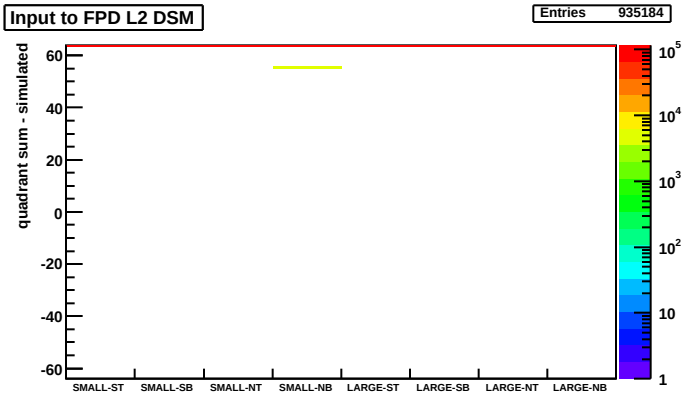

Input to FMS L1 DSM
Entries 1402776
sumA
DSM board

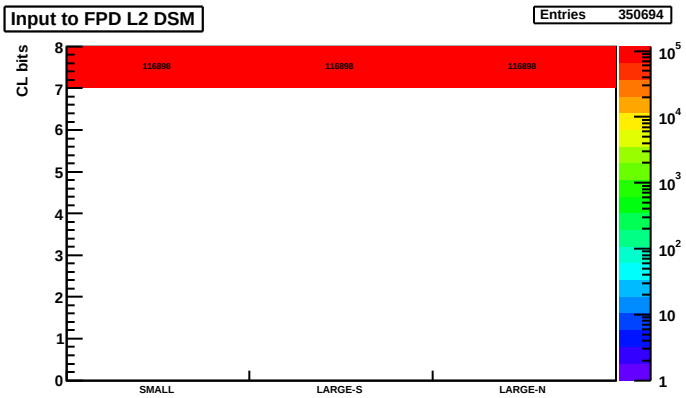

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

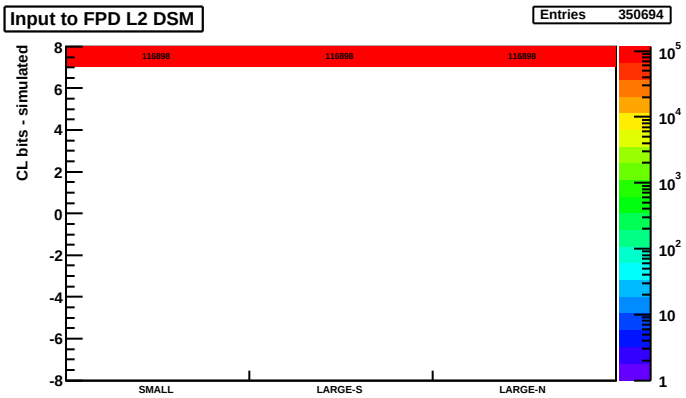

Input to FMS L1 DSM
Entries 1402776
FMS L1 HT bits
DSM board

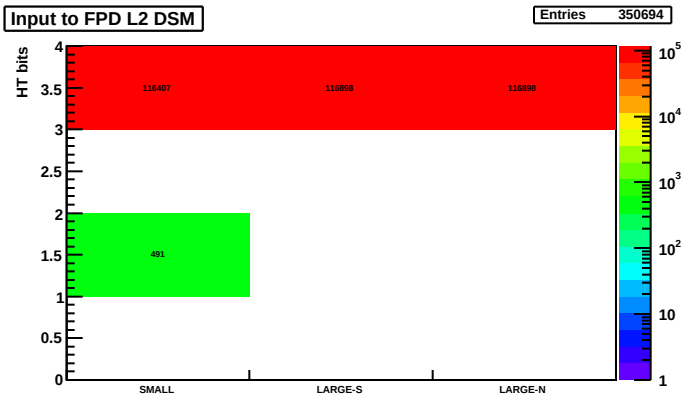

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

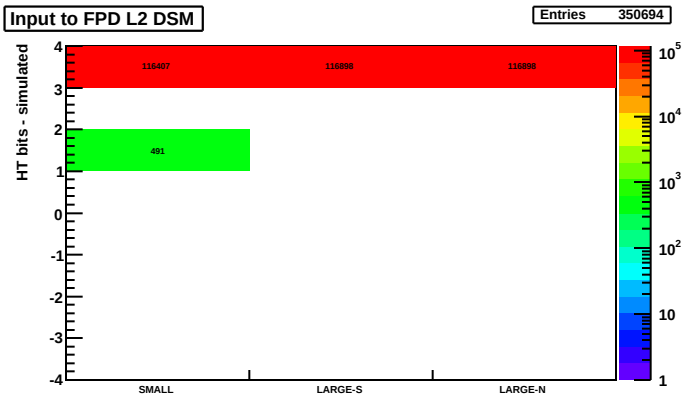

Input to FPD L2 DSM
Entries 935184
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

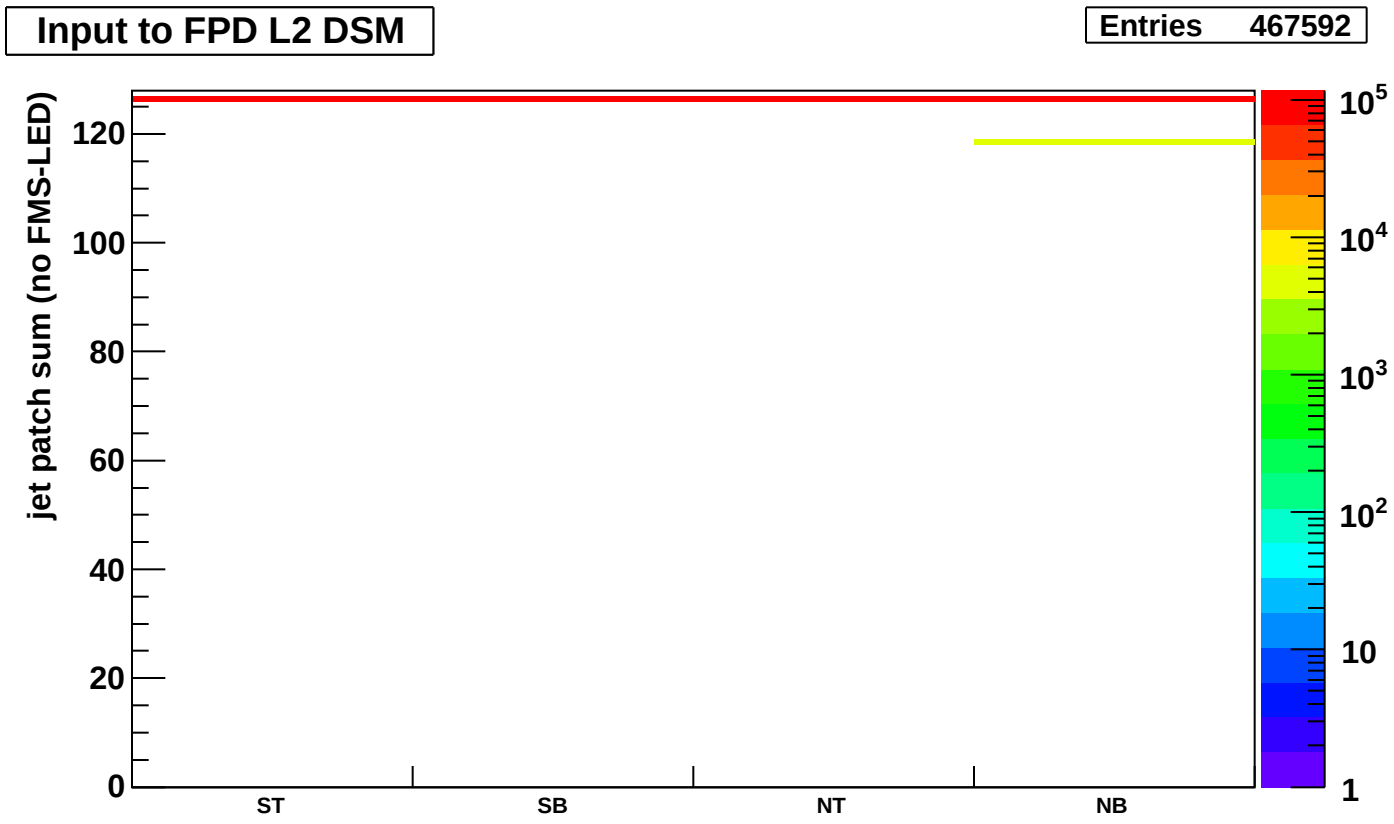

Input to FPD L2 DSM
Entries 935184
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

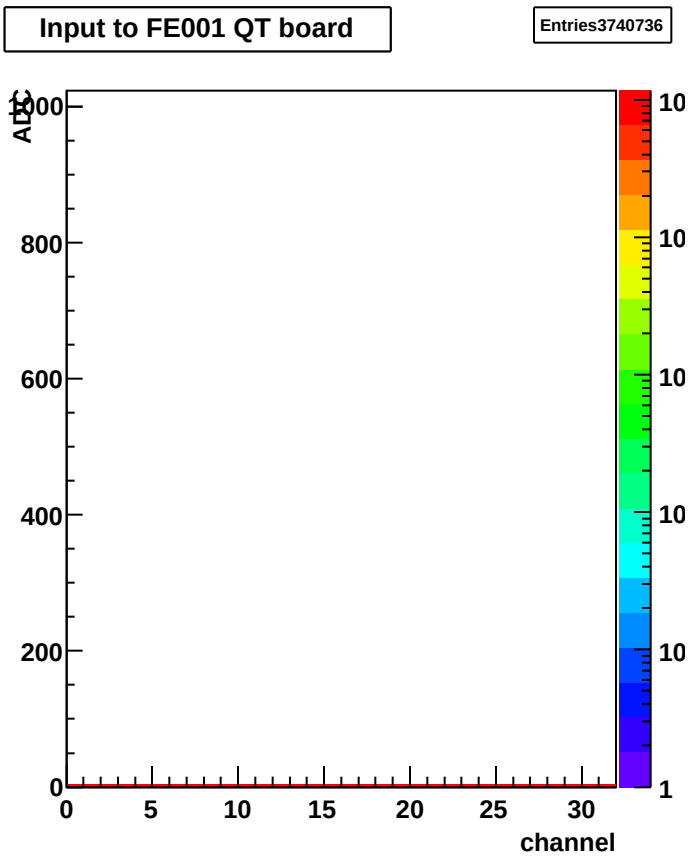

Input to FPD L2 DSM
Entries 350694
CL bits
116898
116898
116898
SMALL
LARGE-S
LARGE-N

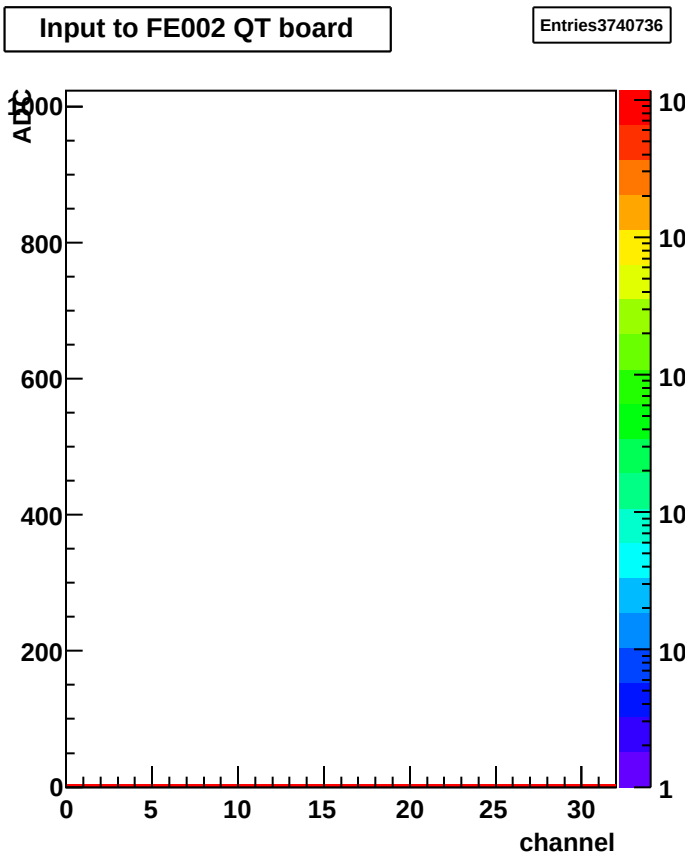

Input to FPD L2 DSM
Entries 350694
CL bits - simulated
116898
116898
116898
SMALL
LARGE-S
LARGE-N

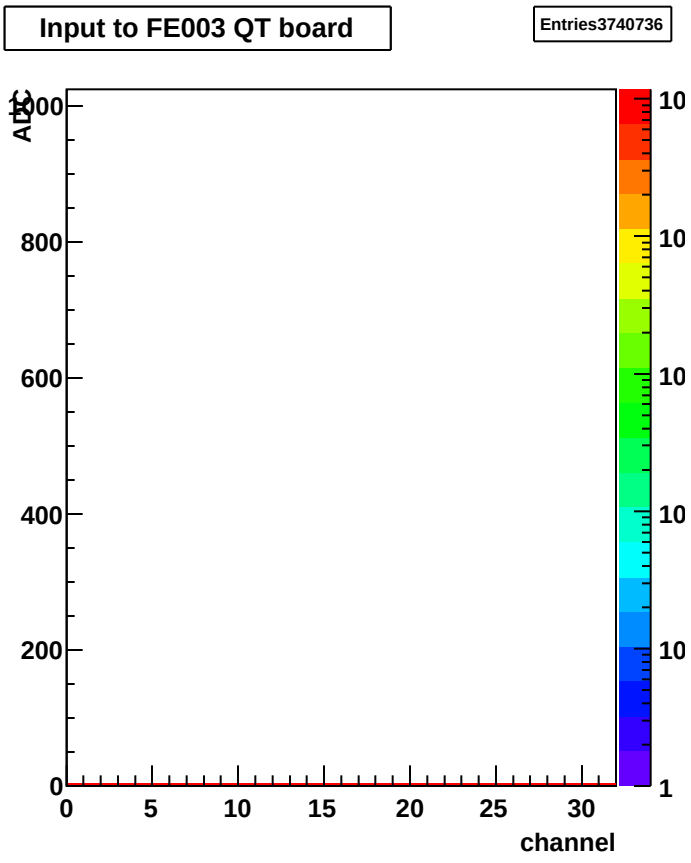

Input to FPD L2 DSM
Entries 350694
HT bits
116407
116898
116898
491
SMALL
LARGE-S
LARGE-N

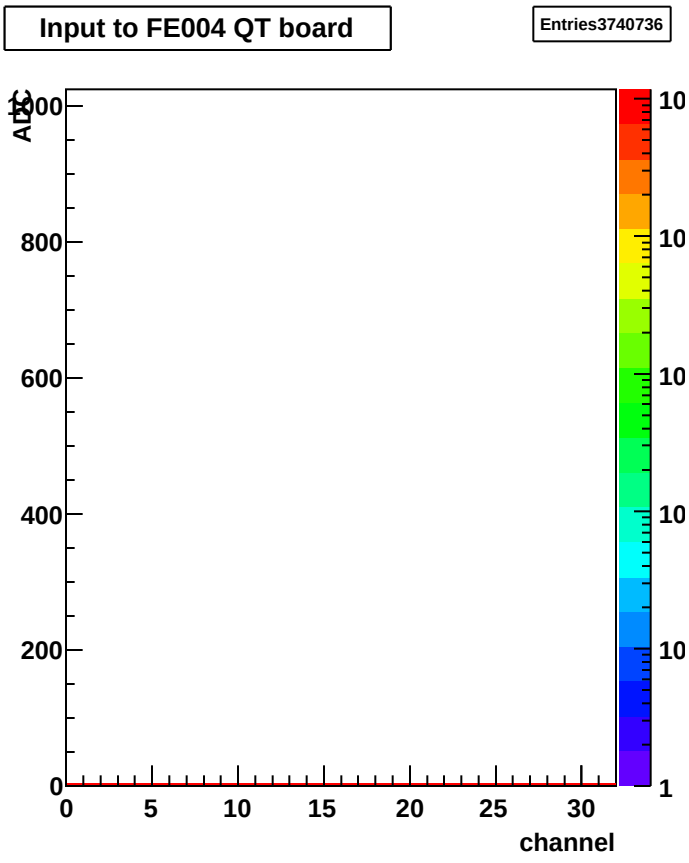

Input to FPD L2 DSM
Entries 350694
HT bits - simulated
116407
116898
116898
491
SMALL
LARGE-S
LARGE-N

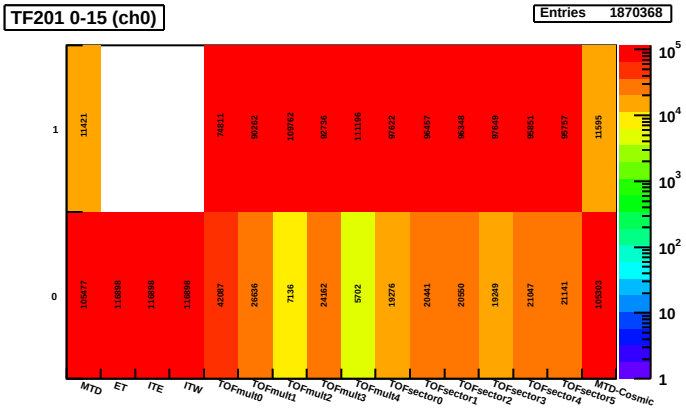

Input to FPD L2 DSM
Entries 467592
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

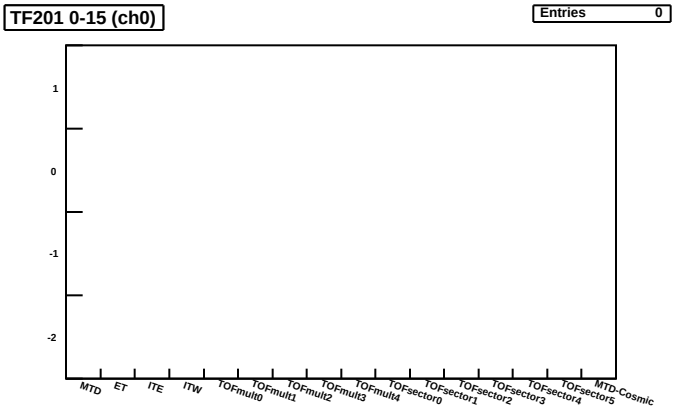

Input to FE001 QT board
Entries3740736
ADC
channel

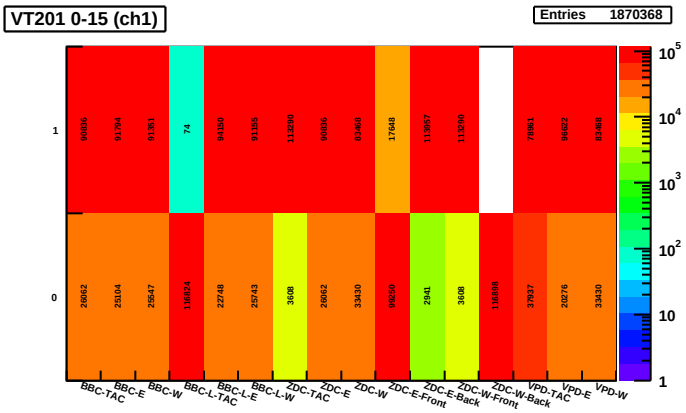

Input to FE002 QT board
Entries3740736
ADC
channel

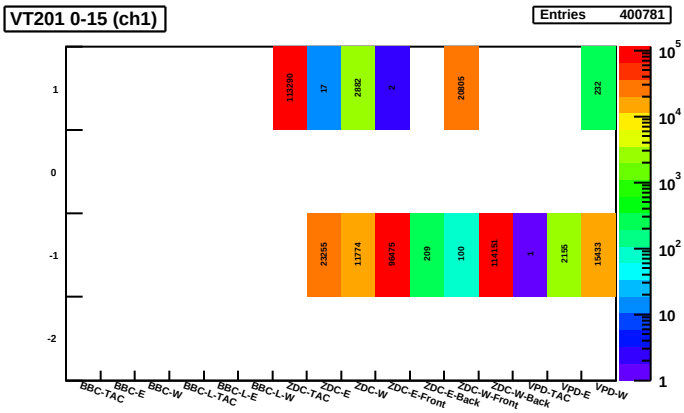

Input to FE003 QT board
Entries3740736
ADC
channel

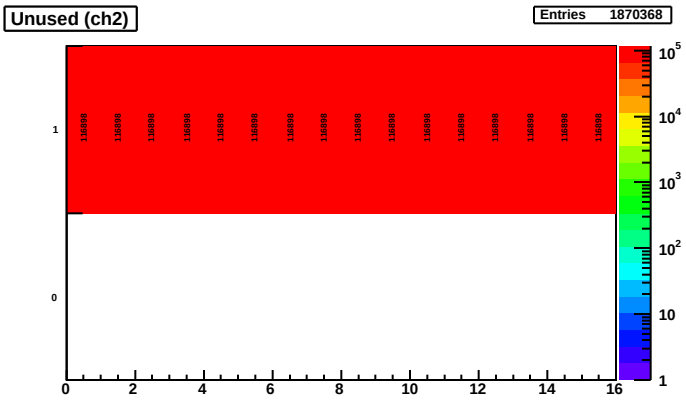

Input to FE004 QT board
Entries3740736
ADC
channel

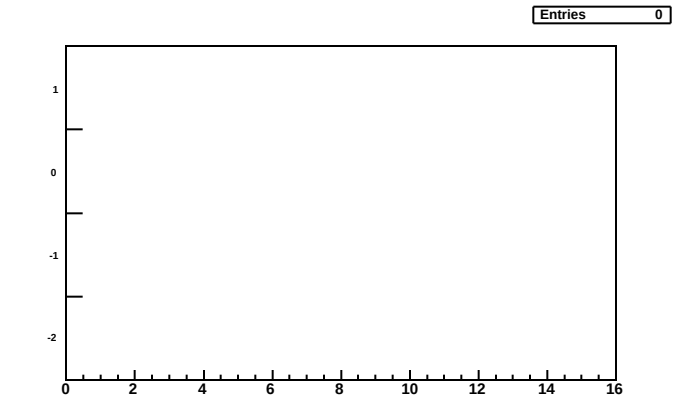

TF201 0-15 (ch0)
Entries 1870368
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

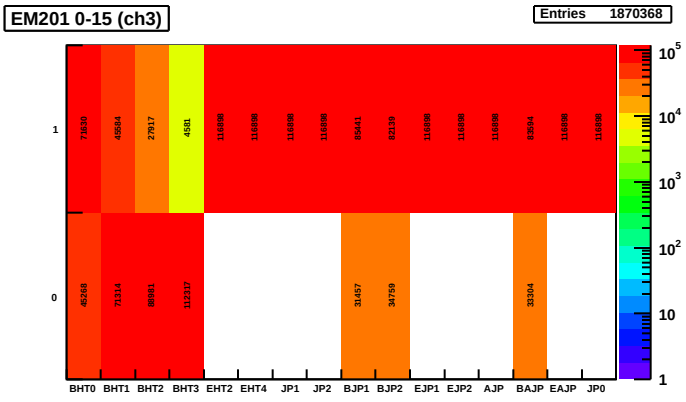

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

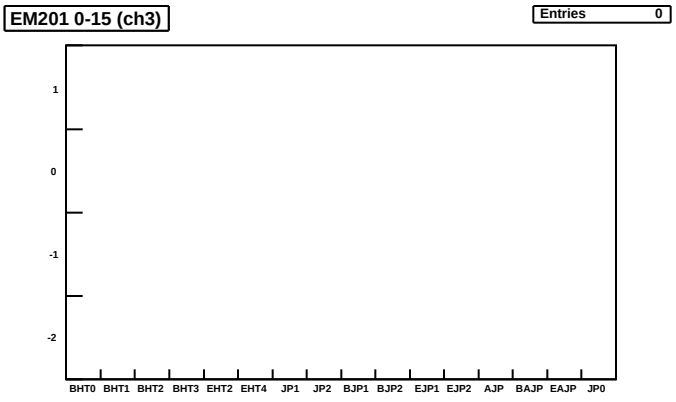

VT201 0-15 (ch1)
Entries 1870368
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

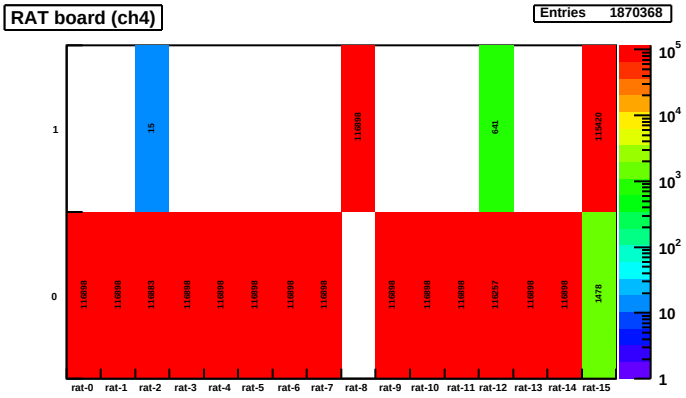

VT201 0-15 (ch1)
Entries 400781
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

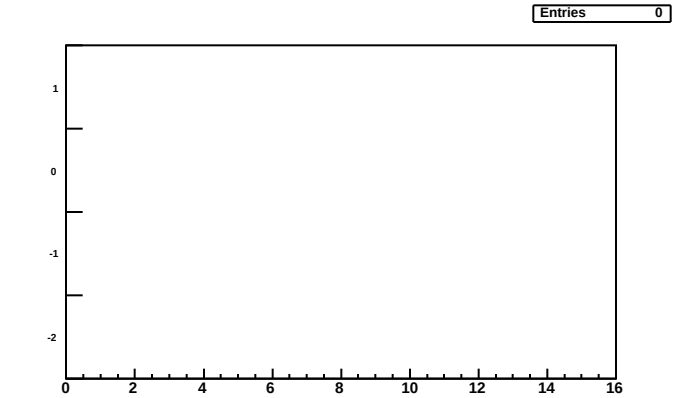

Unused (ch2)
Entries 1870368

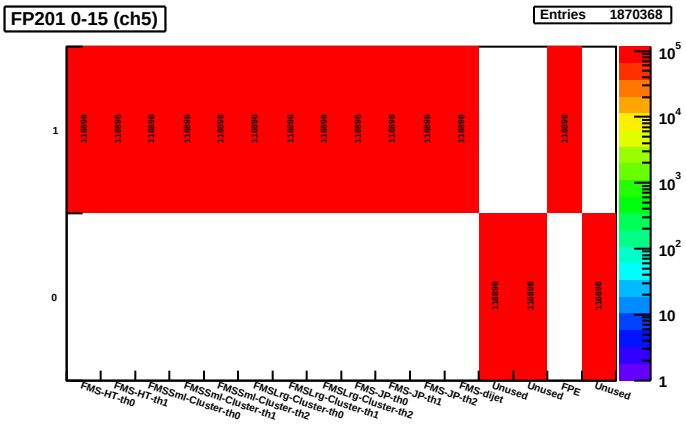

Entries 0

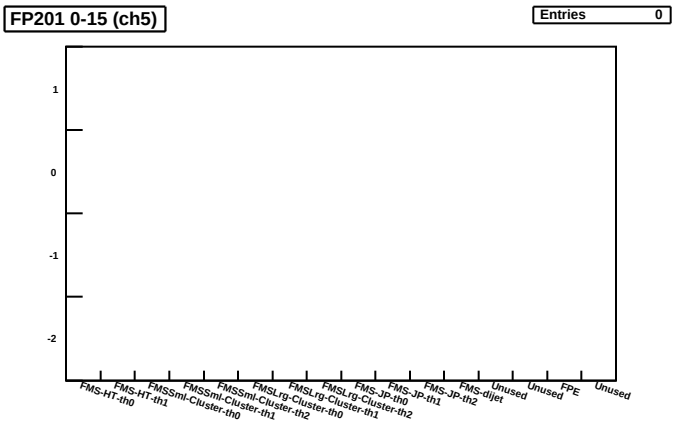

EM201 0-15 (ch3)
Entries 1870368
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

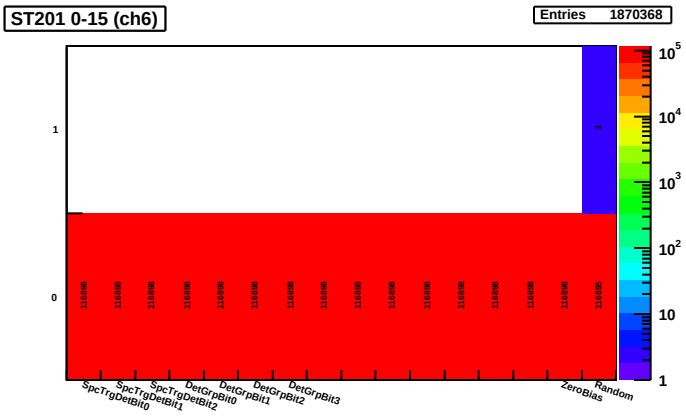

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

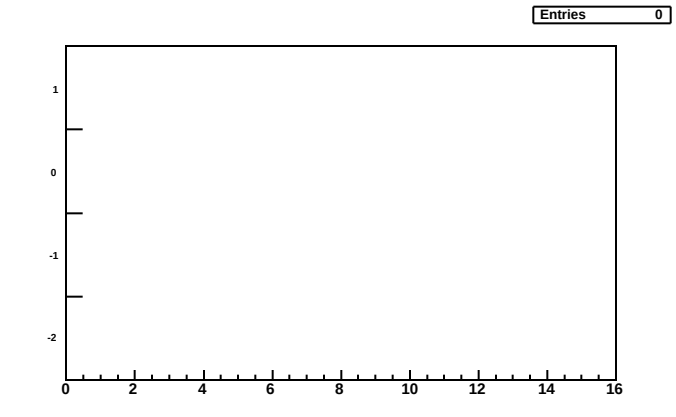

RAT board (ch4)
Entries 1870368
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

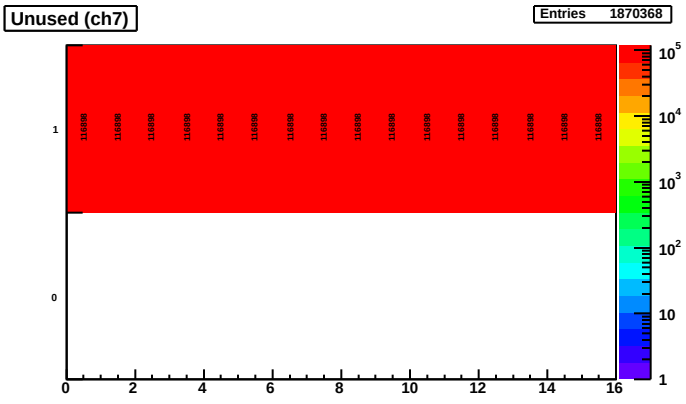

Entries 0

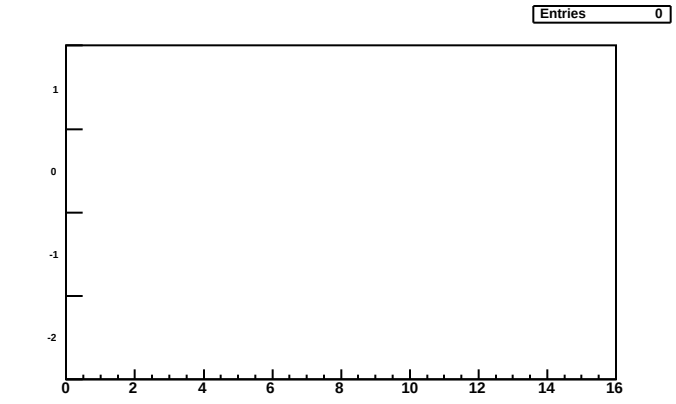

FP201 0-15 (ch5)
Entries 1870368
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-diJet Unused Unused FPE Unused


FP201 0-15 (ch5)
Entries 0
FMS-HT-th0 FMS-HT-th1 FMSSml-Cluster-th0 FMSSml-Cluster-th1 FMSSml-Cluster-th2 FMSLrg-Cluster-th0 FMSLrg-Cluster-th1 FMSLrg-Cluster-th2 FMS-JP-th0 FMS-JP-th1 FMS-JP-th2 FMS-diJet Unused Unused FPE Unused


ST201 0-15 (ch6)
Entries 1870368
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random


Entries 0


Unused (ch7)
Entries 1870368


Entries 0