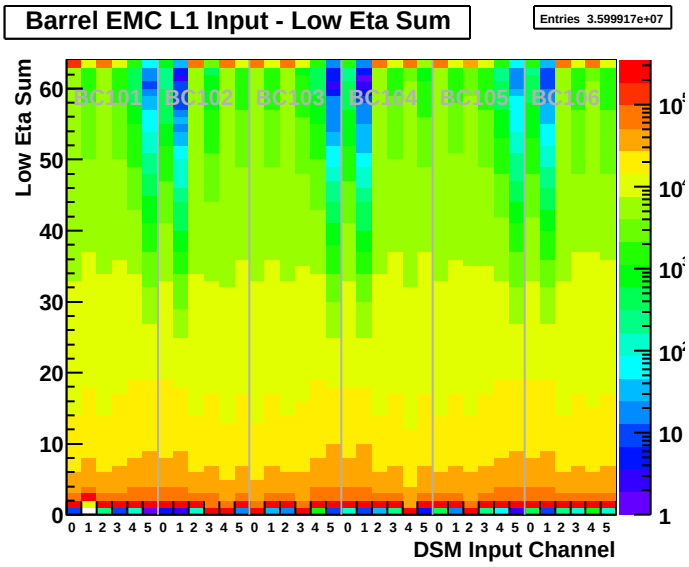
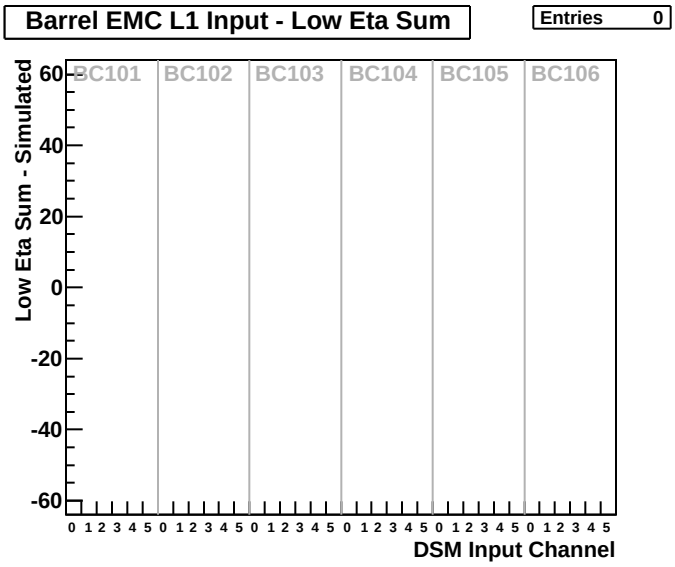
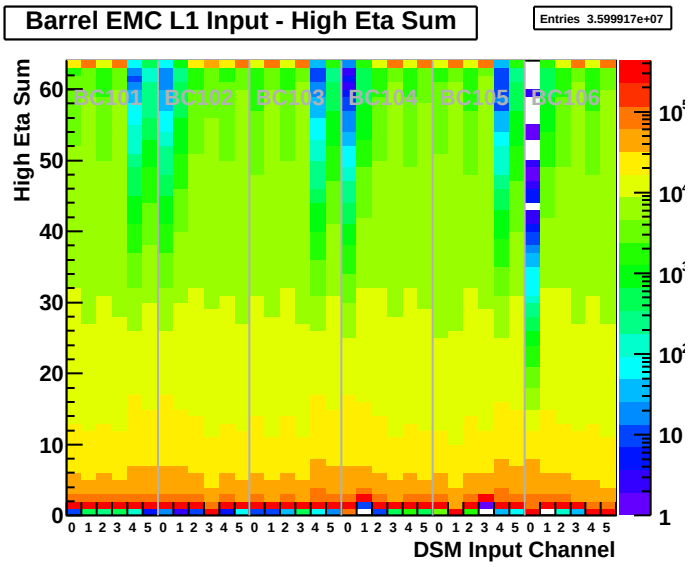
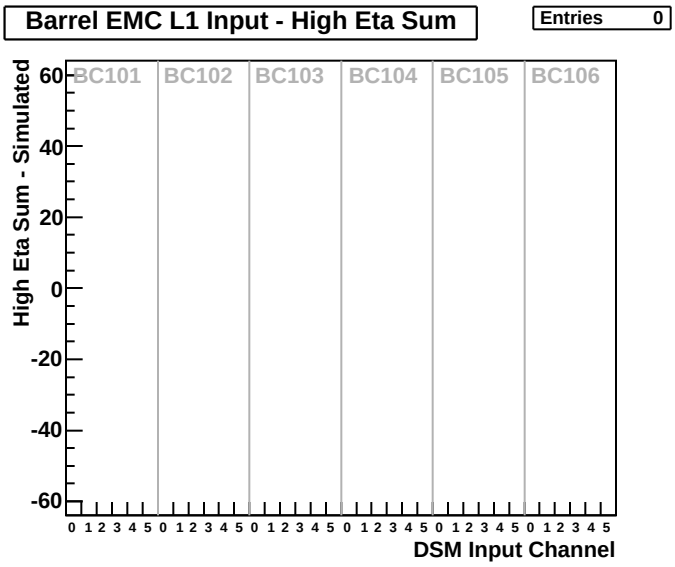
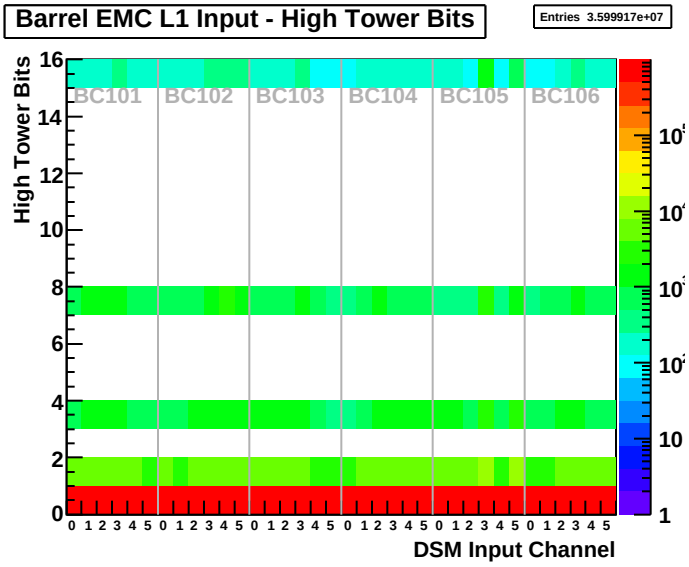
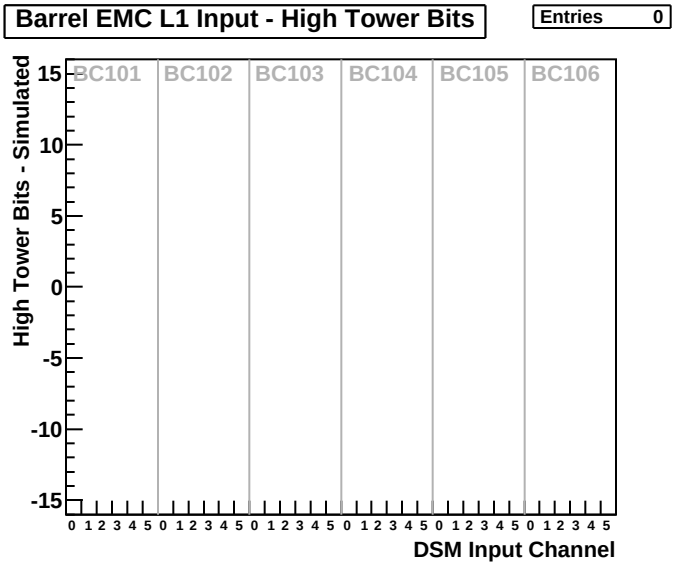

Barrel EMC L1 Input - Low Eta Sum
Entries 3.599917e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

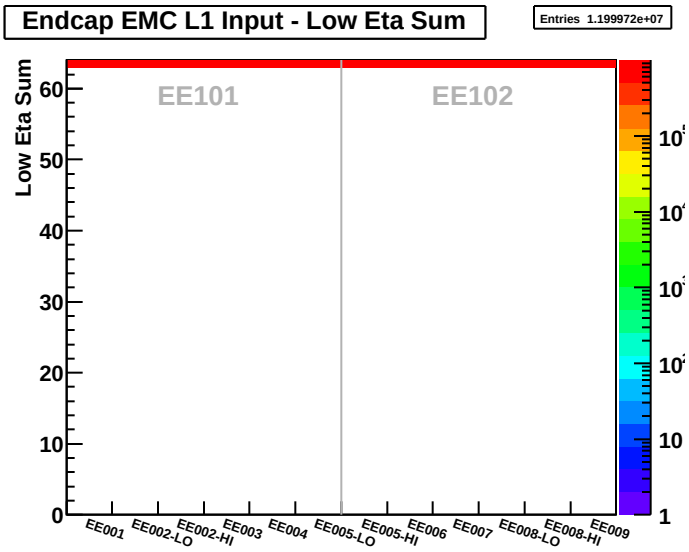

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

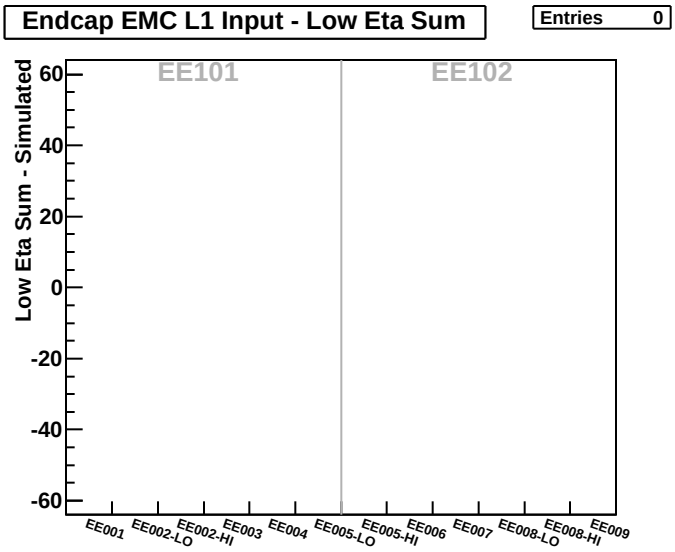

Barrel EMC L1 Input - High Eta Sum
Entries 3.599917e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

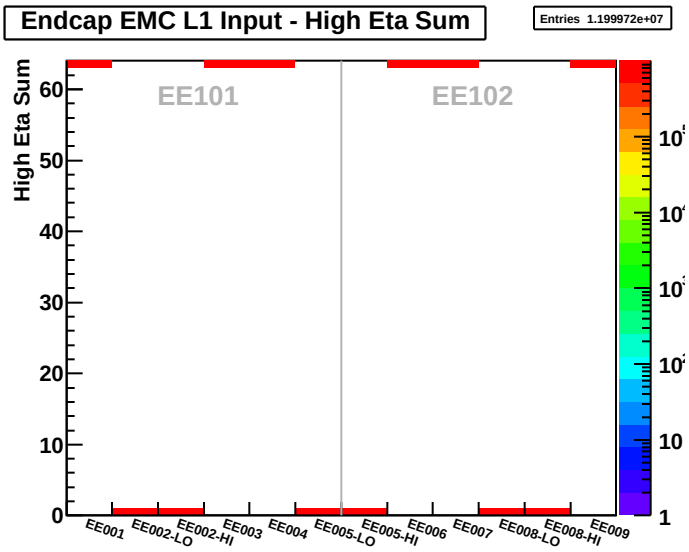

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

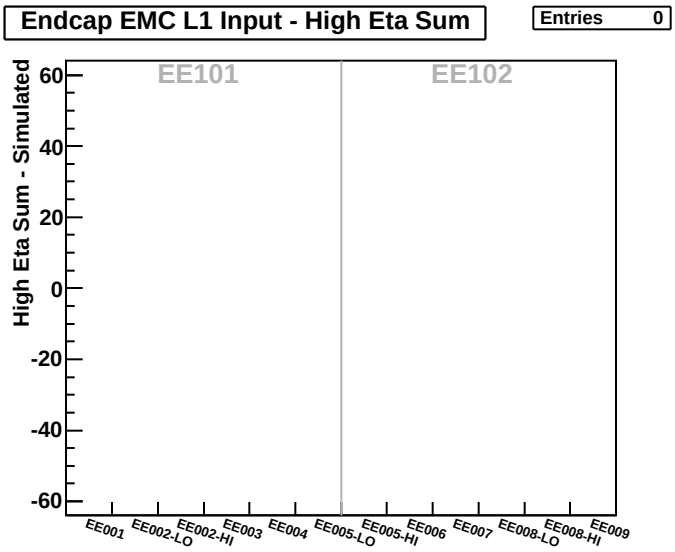

Barrel EMC L1 Input - High Tower Bits
Entries 3.599917e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

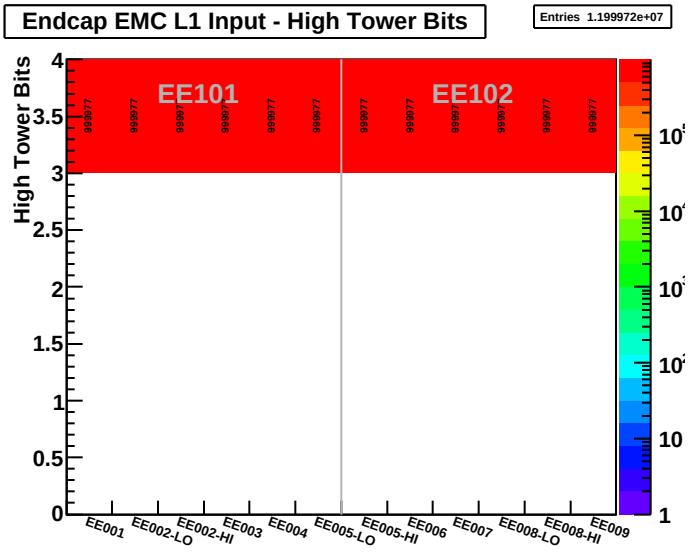

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

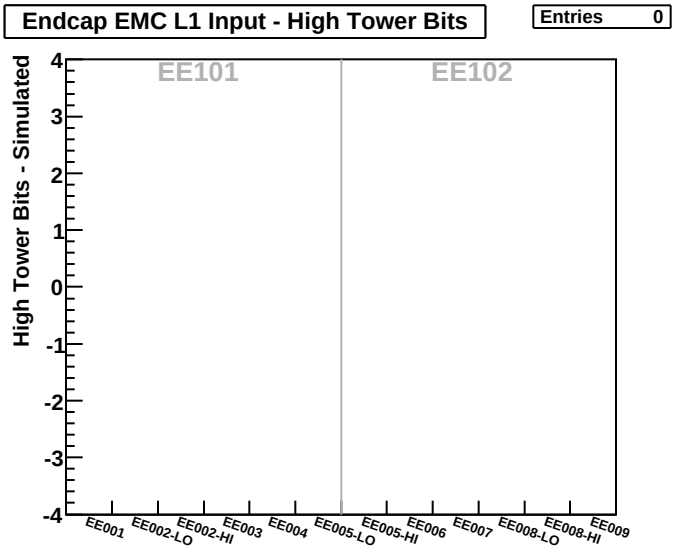

Endcap EMC L1 Input - Low Eta Sum
Entries 1.199972e+07
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

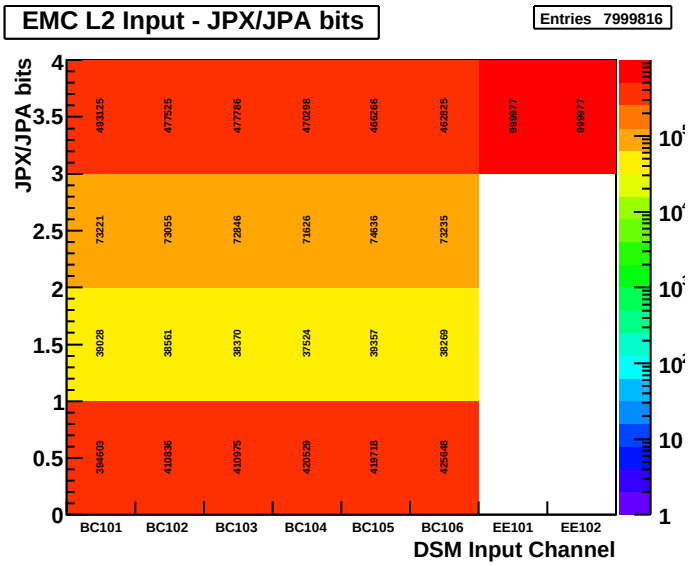

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

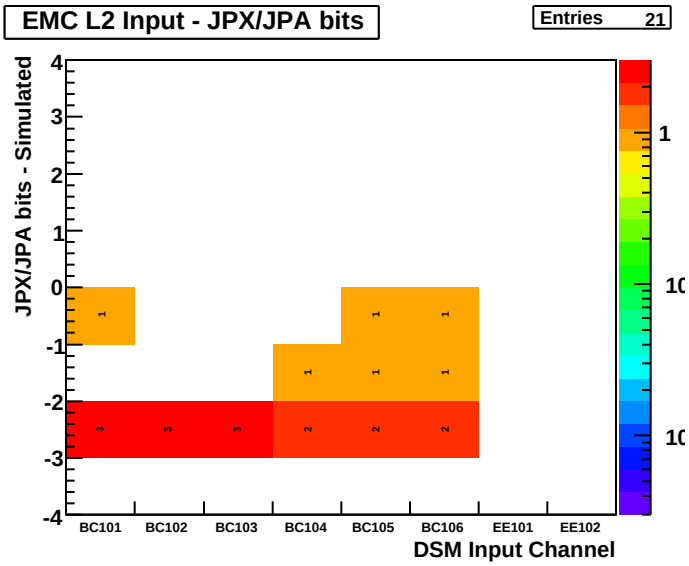

Endcap EMC L1 Input - High Eta Sum
Entries 1.199972e+07
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

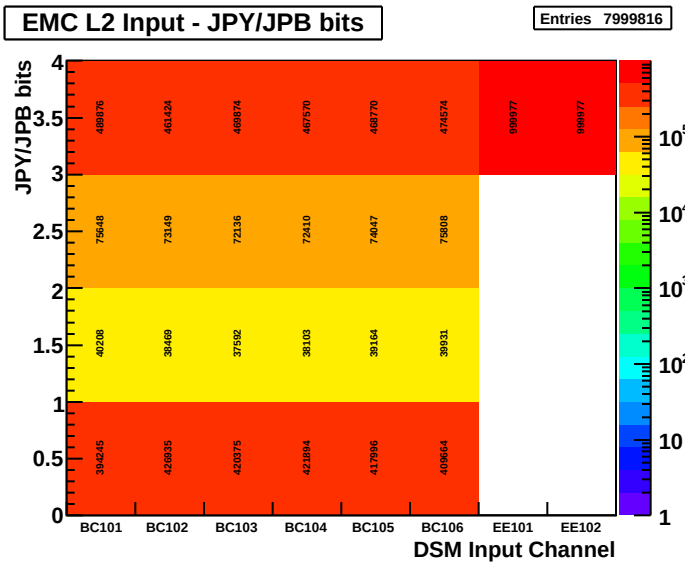

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

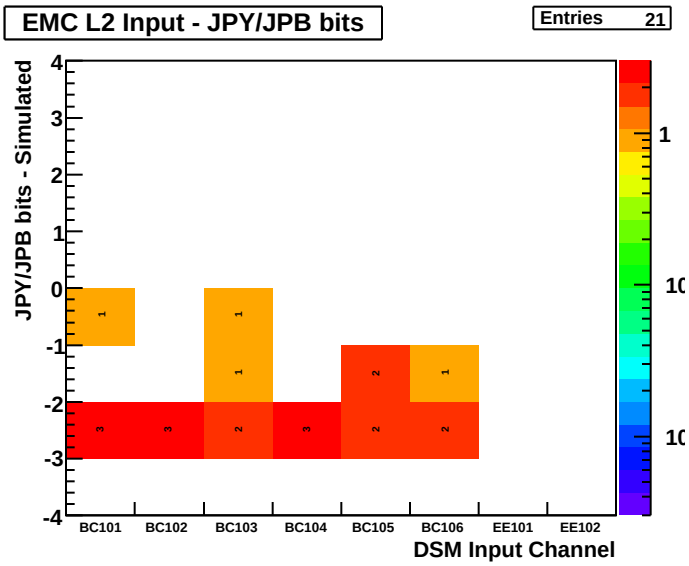

Endcap EMC L1 Input - High Tower Bits
Entries 1.199972e+07
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

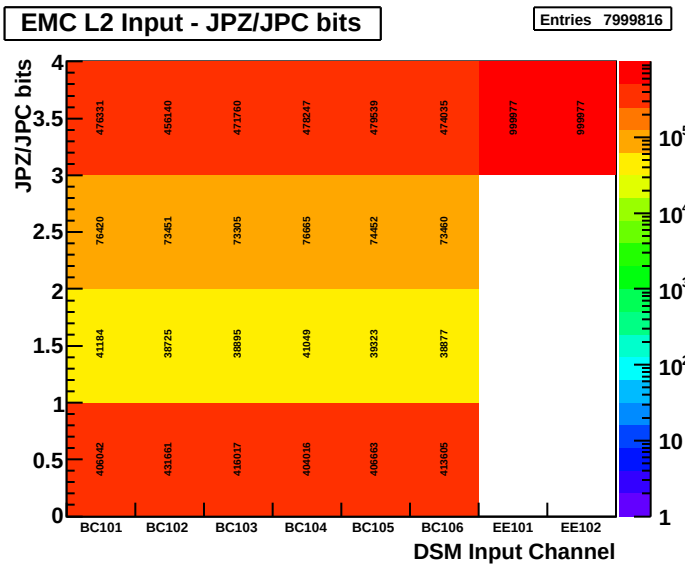

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

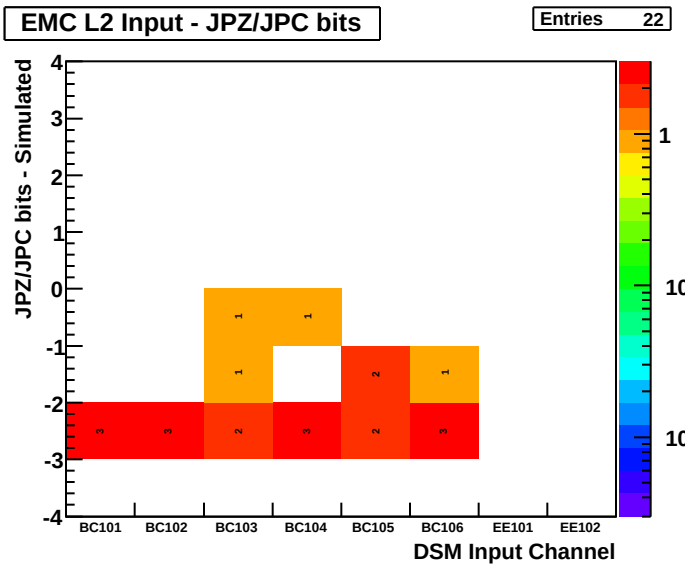

EMC L2 Input - JPX/JPA bits
Entries 7999816
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
493125 477525 477786 470298 466266 462825 999977 999977
73221 73055 72846 71626 74636 73235
39028 38561 38370 37524 39357 38269
394603 410836 410975 420529 419718 425648

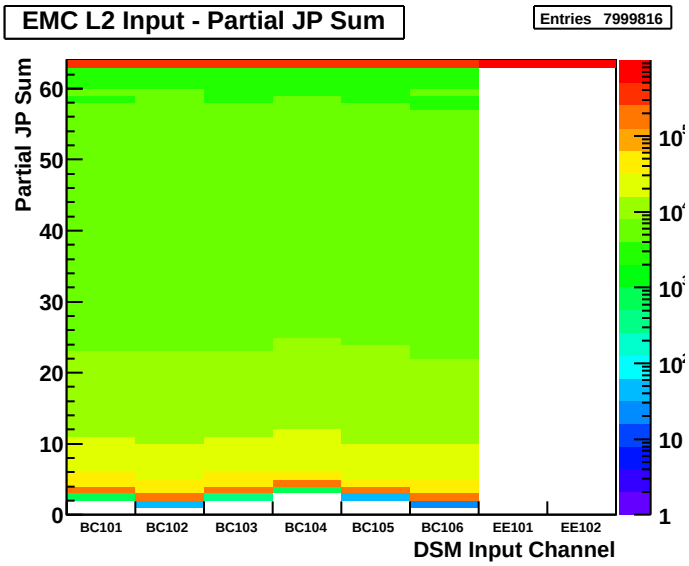

EMC L2 Input - JPX/JPA bits
Entries 21
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

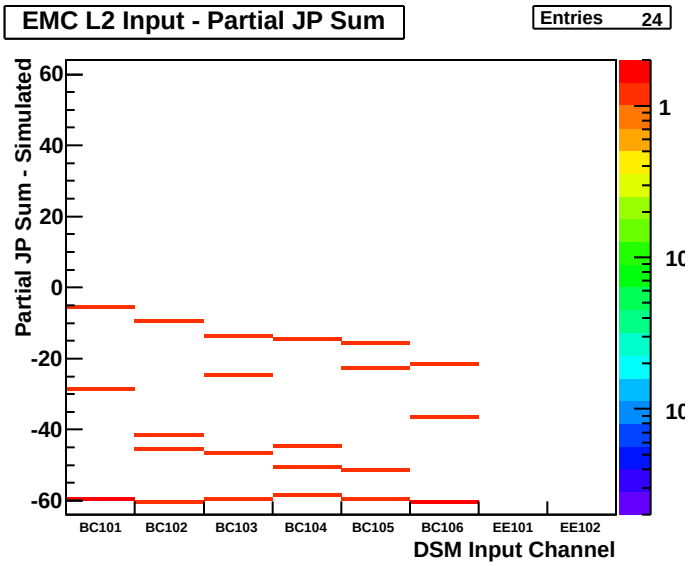

EMC L2 Input - JPY/JPB bits
Entries 7999816
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
489876 461424 469874 467570 468770 474574 999977 999977
75648 73149 72136 72410 74047 75808
40208 38469 37592 38103 39164 39931
394245 426935 420375 421894 417996 409664

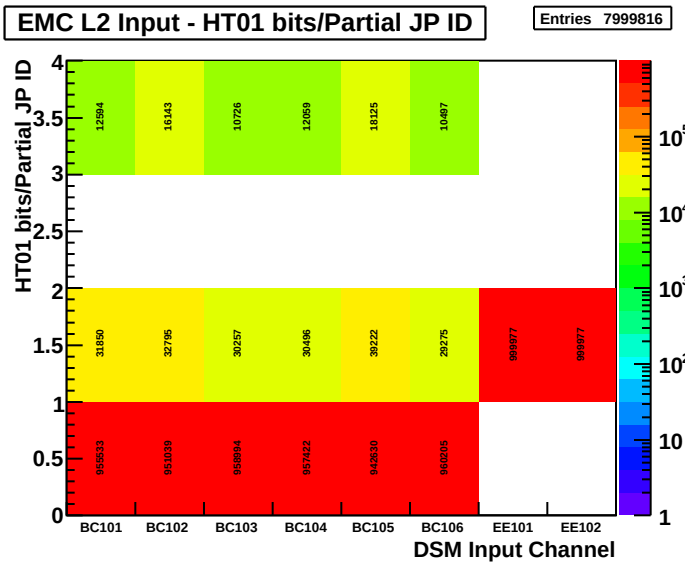

EMC L2 Input - JPY/JPB bits
Entries 21
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

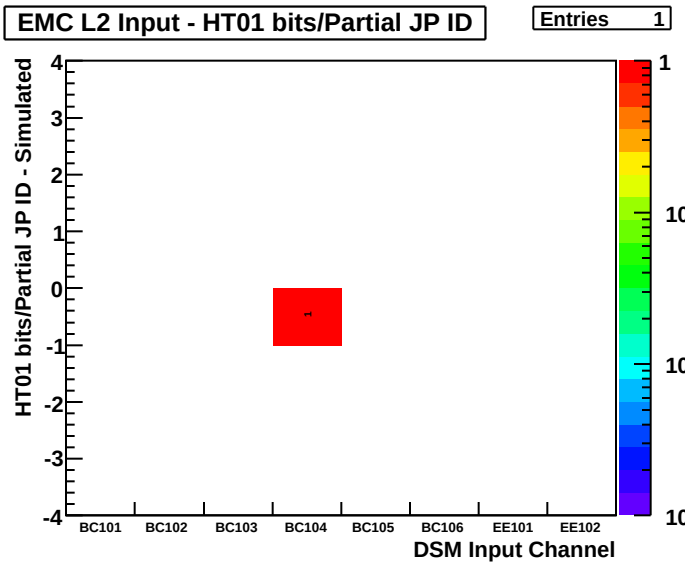

EMC L2 Input - JPZ/JPC bits
Entries 7999816
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
476331 456140 471760 478247 479539 474035 999977 999977
76420 73451 73305 76665 74452 73460
41184 38725 38895 41049 39323 38877
406042 431661 416017 404016 406663 413605

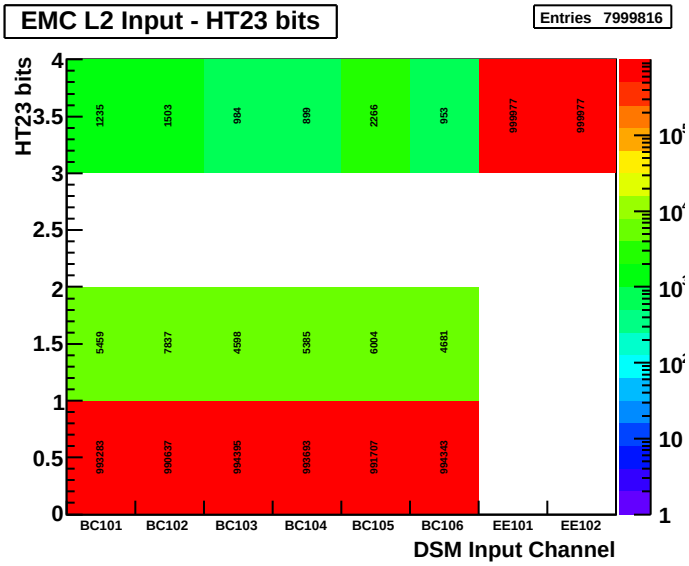

EMC L2 Input - JPZ/JPC bits
Entries 22
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

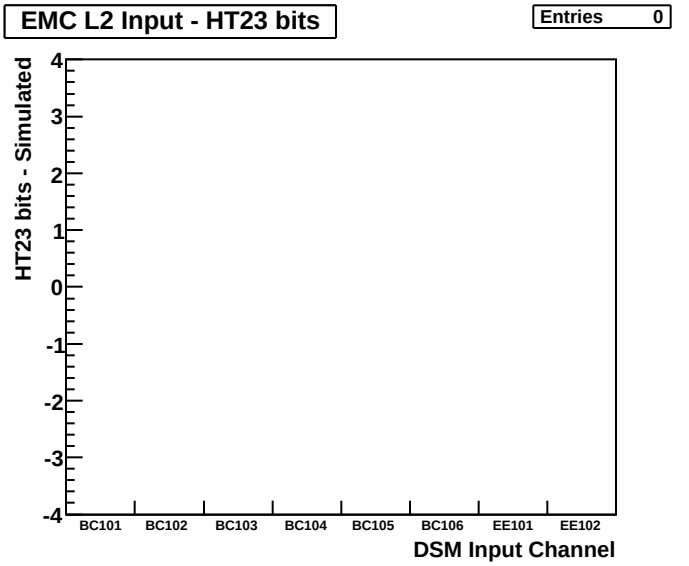

EMC L2 Input - Partial JP Sum
Entries 7999816
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

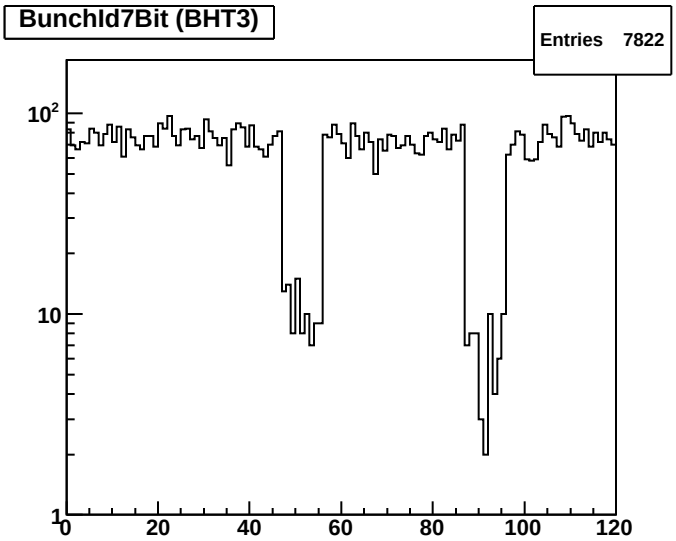

EMC L2 Input - Partial JP Sum
Entries 24
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

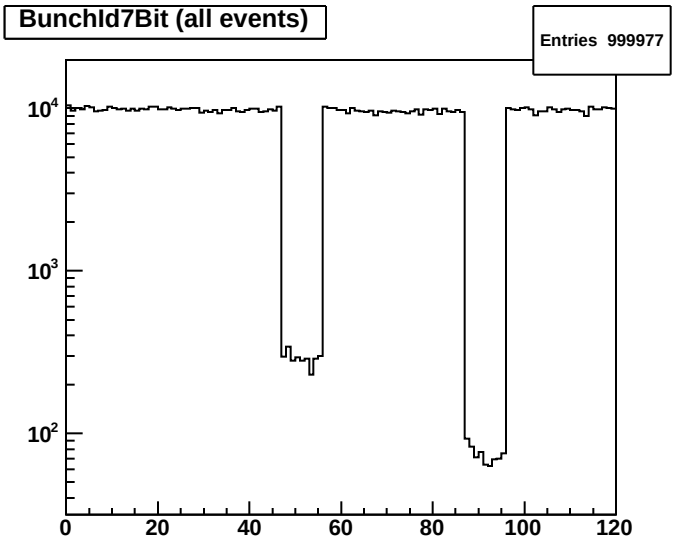

EMC L2 Input - HT01 bits/Partial JP ID
Entries 7999816
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

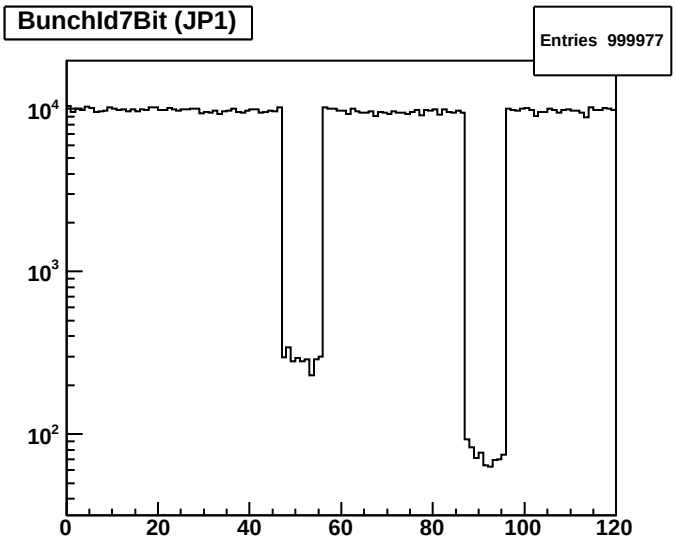

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

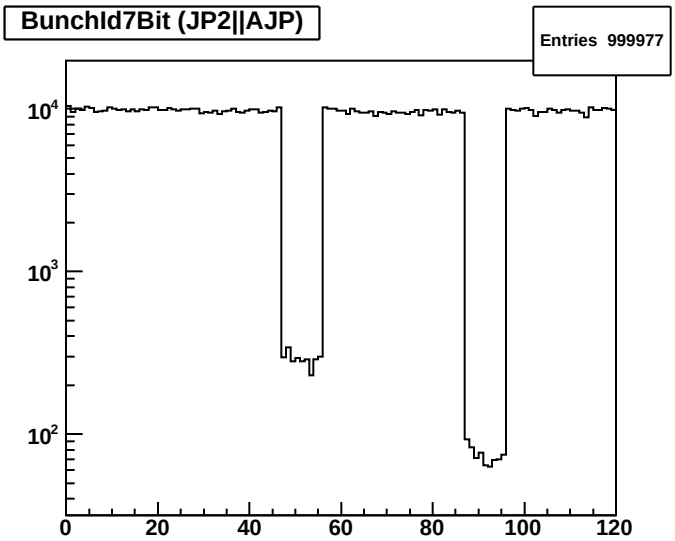

EMC L2 Input - HT23 bits
Entries 7999816
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

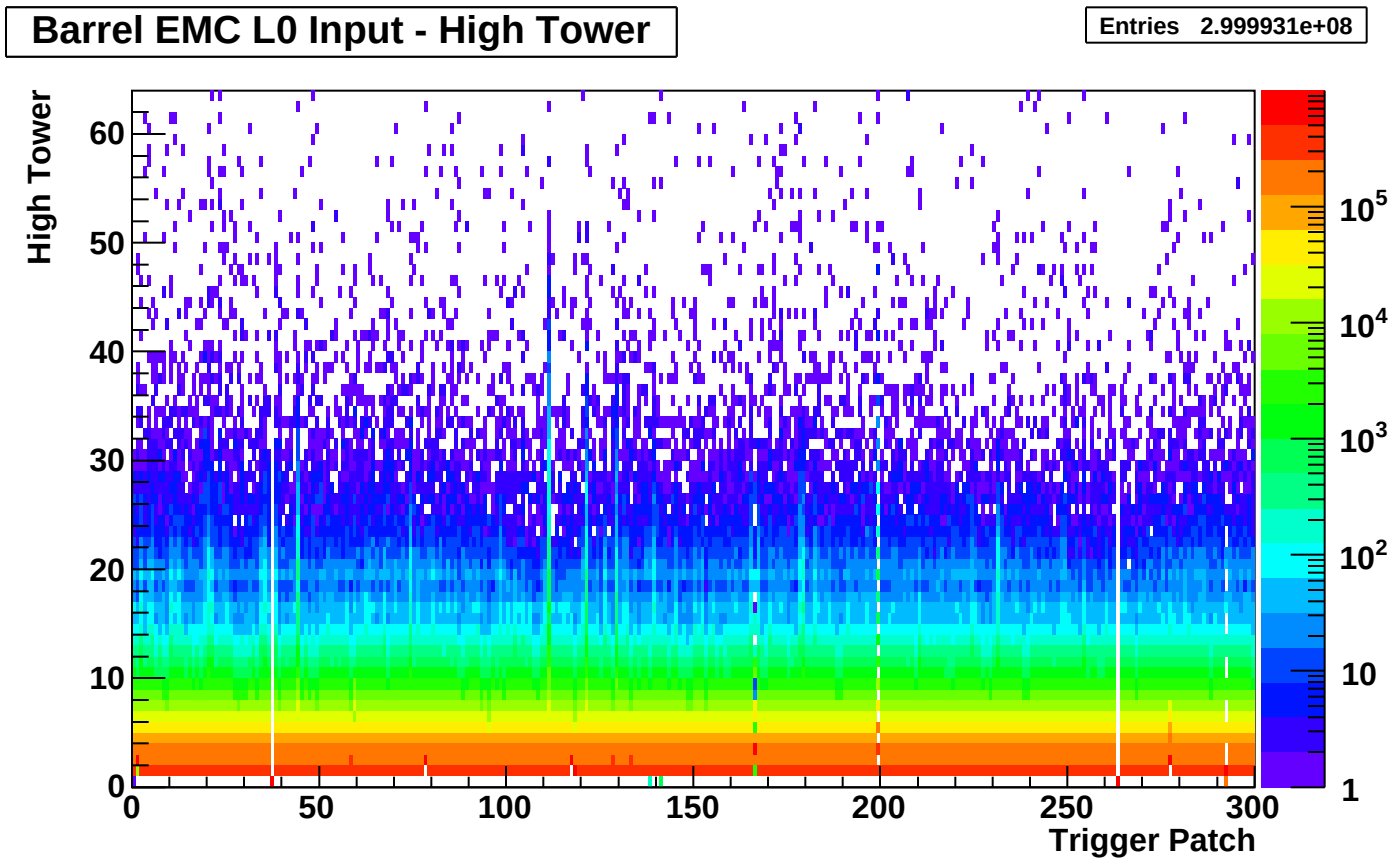

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

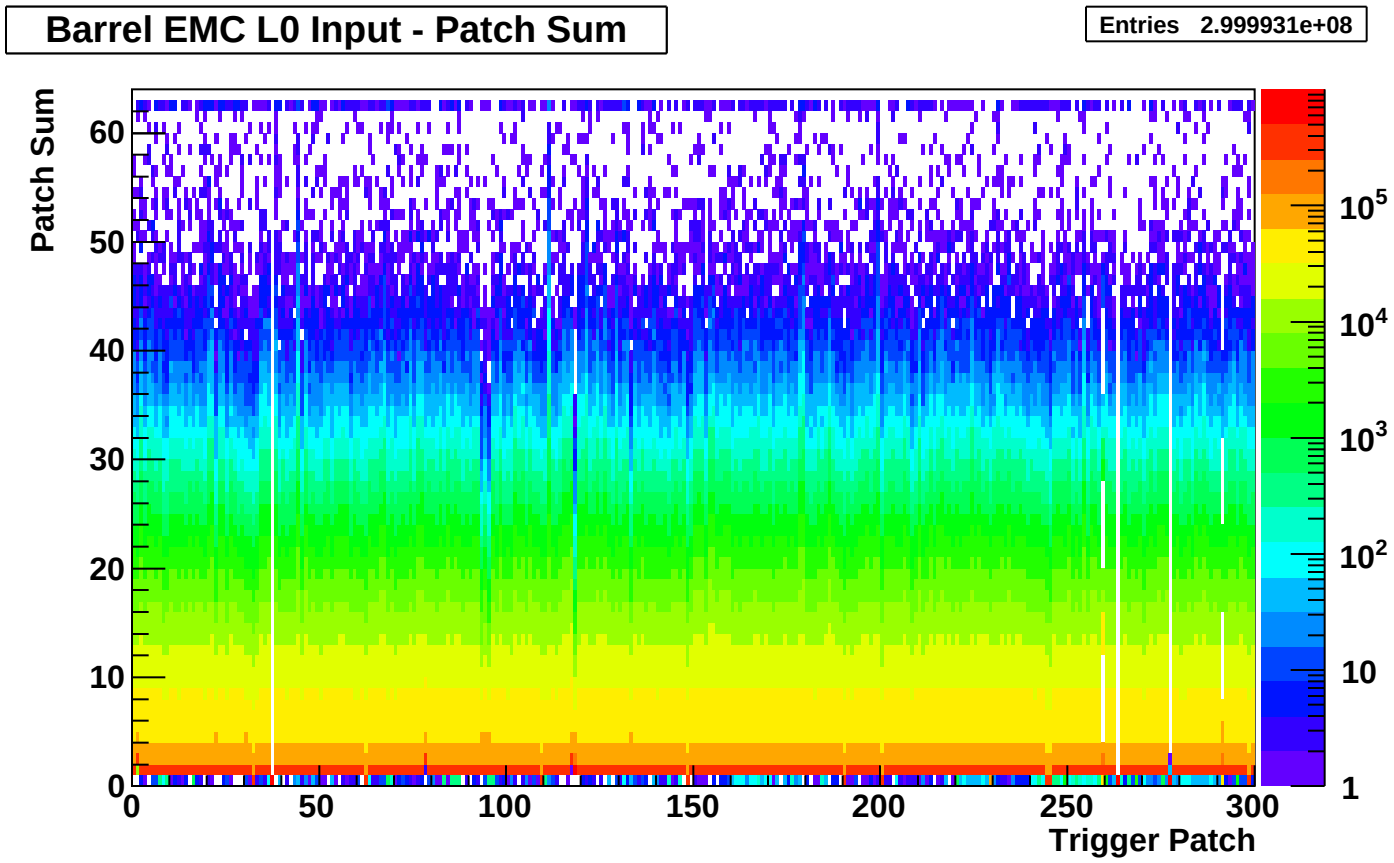

BunchId7Bit (BHT3)
Entries 7822
$10^2$
10
1
0
20
40
60
80
100
120

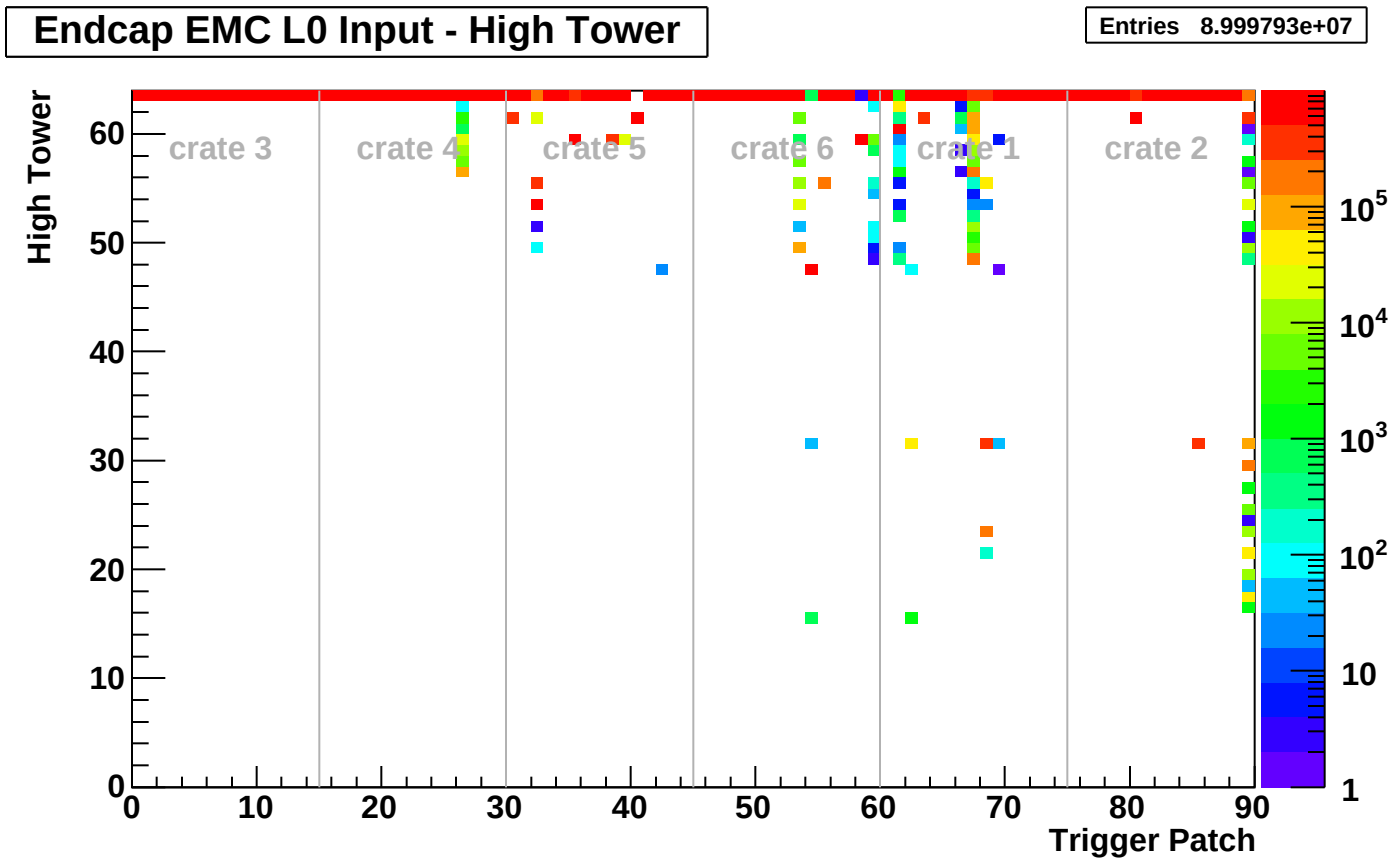

BunchId7Bit (all events)
Entries 999977
$10^4$
$10^3$
$10^2$
0
20
40
60
80
100
120

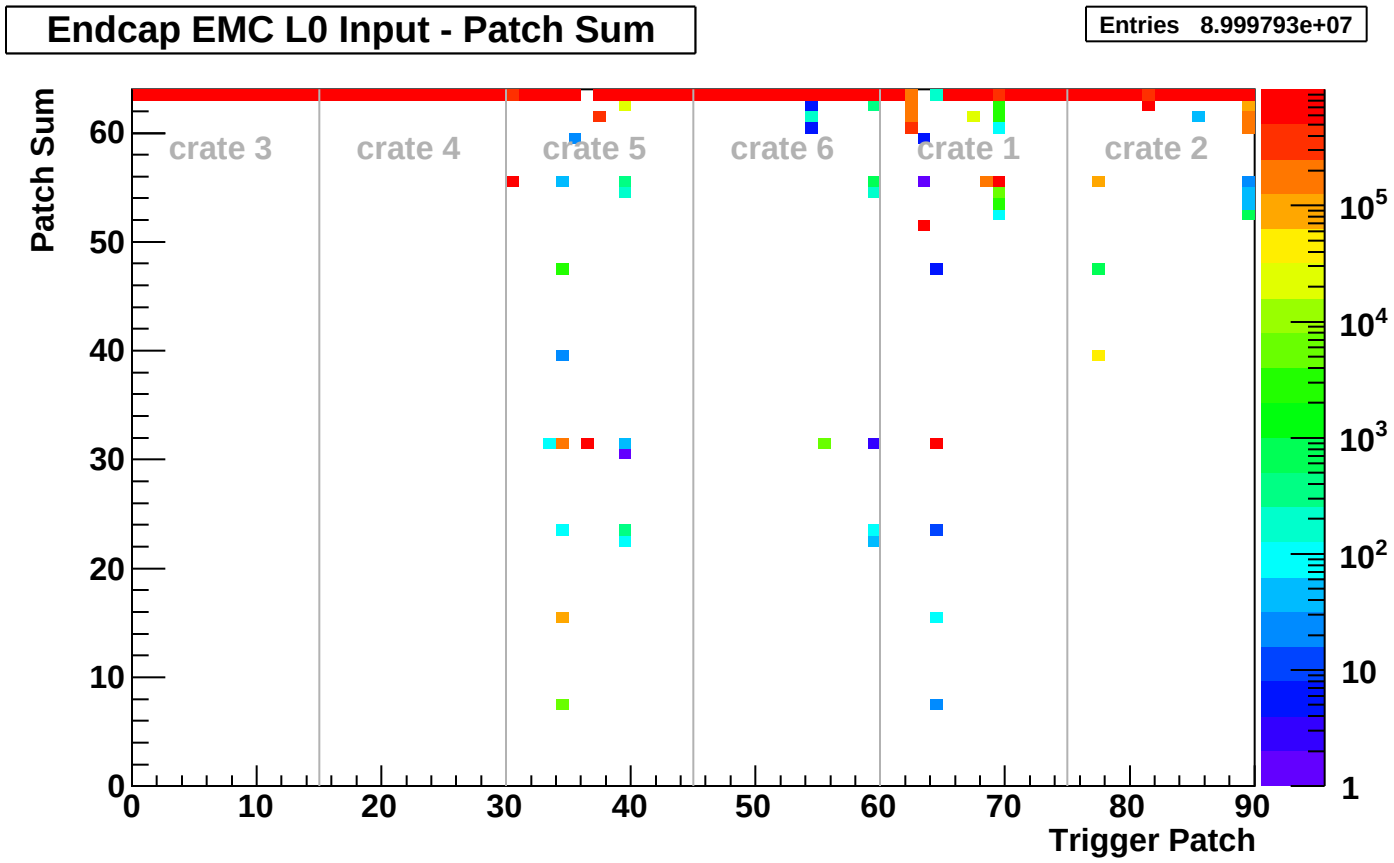

BunchId7Bit (JP1)
Entries 999977
$10^4$
$10^3$
$10^2$
0
20
40
60
80
100
120

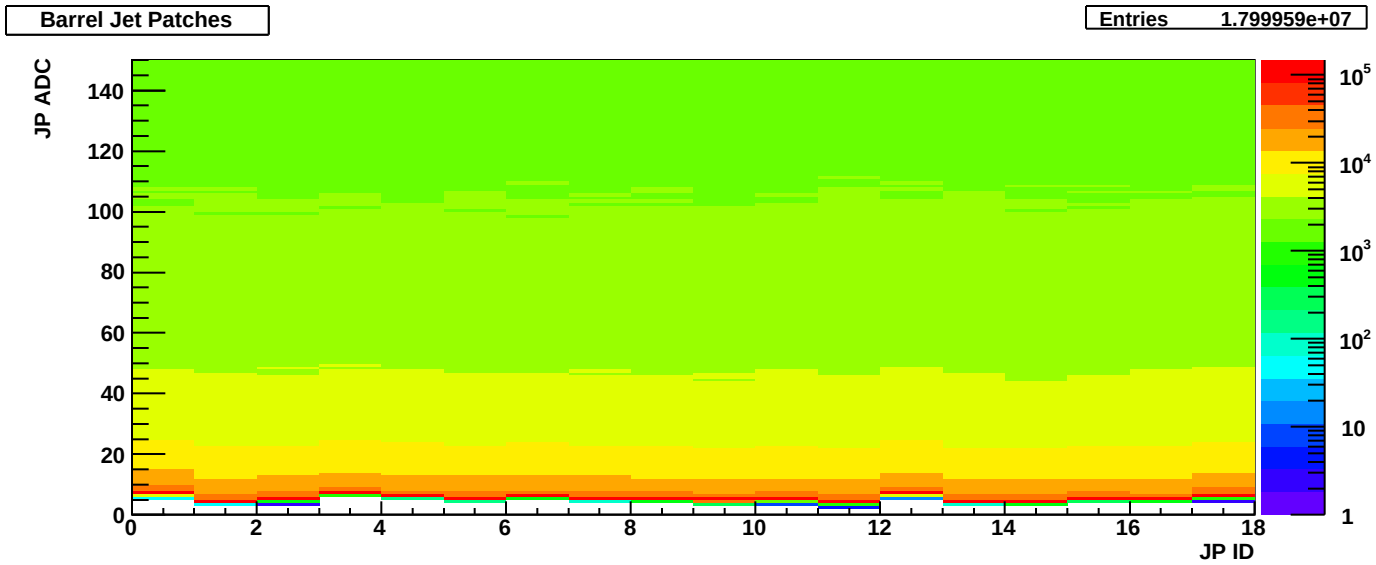

BunchId7Bit (JP2||AJP)
Entries 999977
$10^4$
$10^3$
$10^2$
0
20
40
60
80
100
120

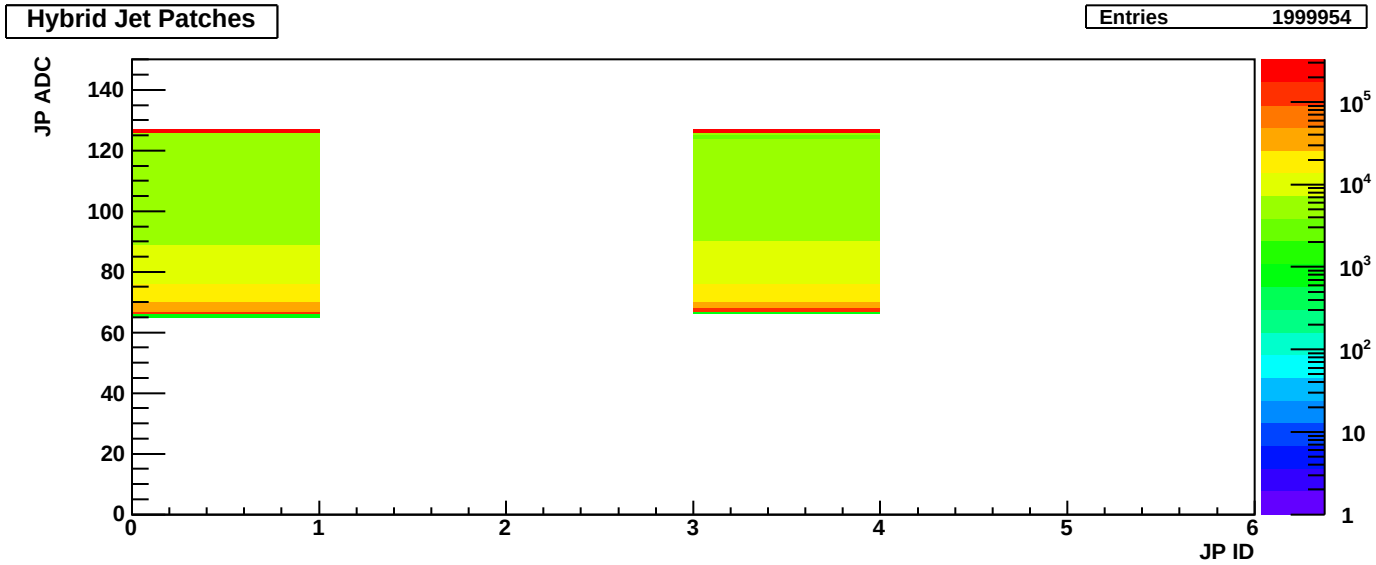

Barrel EMC L0 Input - High Tower
Entries 2.999931e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

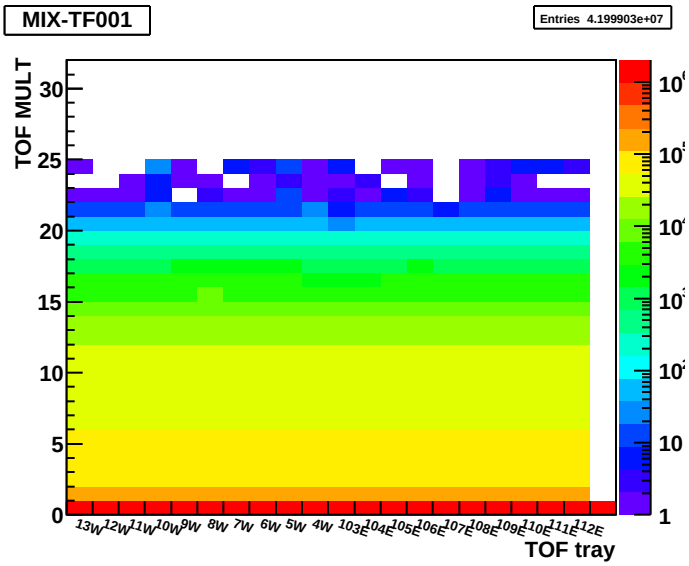

Barrel EMC L0 Input - Patch Sum
Entries 2.999931e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

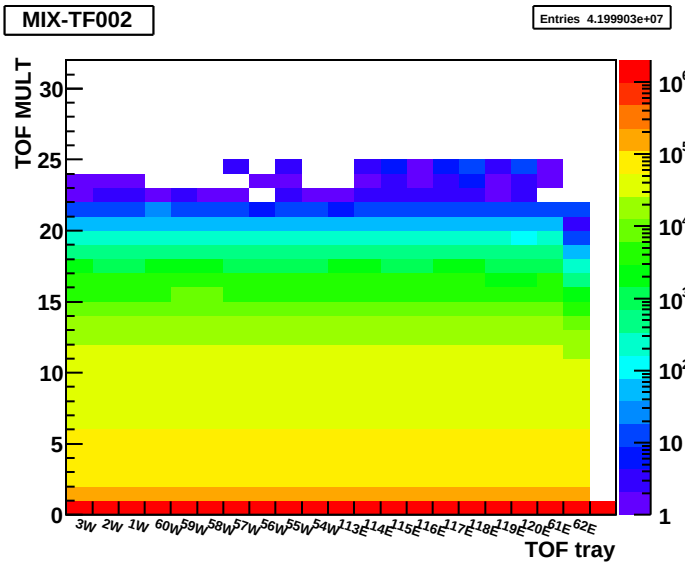

Endcap EMC L0 Input - High Tower
Entries 8.999793e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

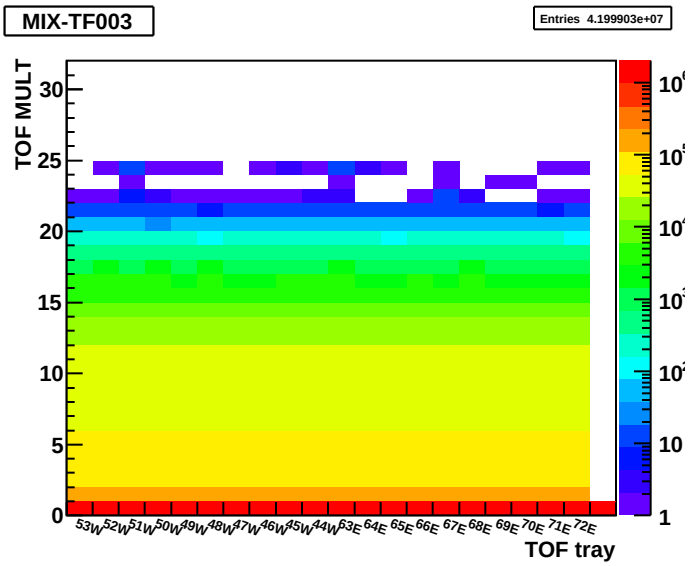

Endcap EMC L0 Input - Patch Sum
Entries 8.999793e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

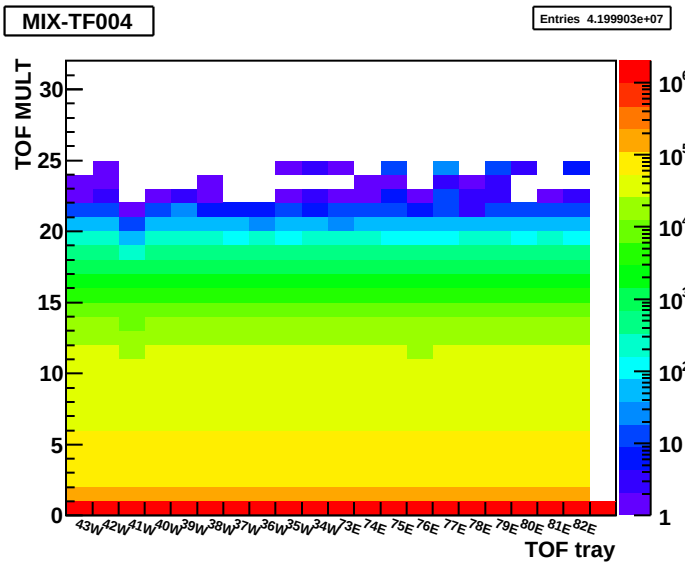

Barrel Jet Patches
Entries 1.799959e+07
JP ADC
JP ID

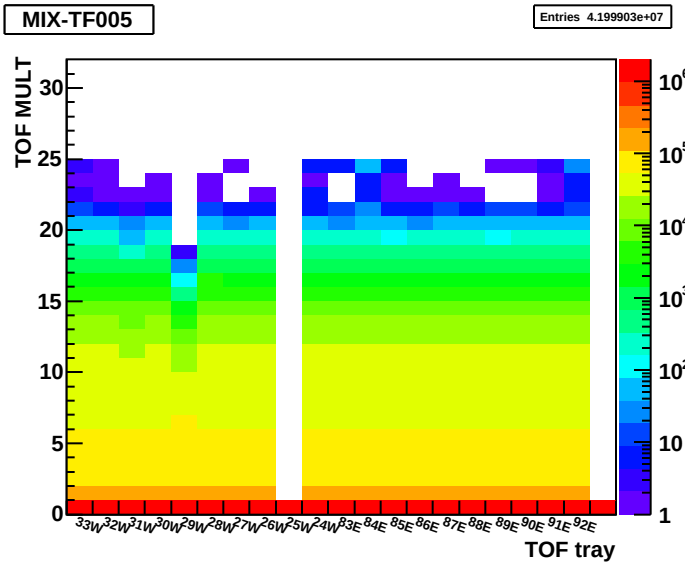

Hybrid Jet Patches
Entries 1999954
JP ADC
JP ID

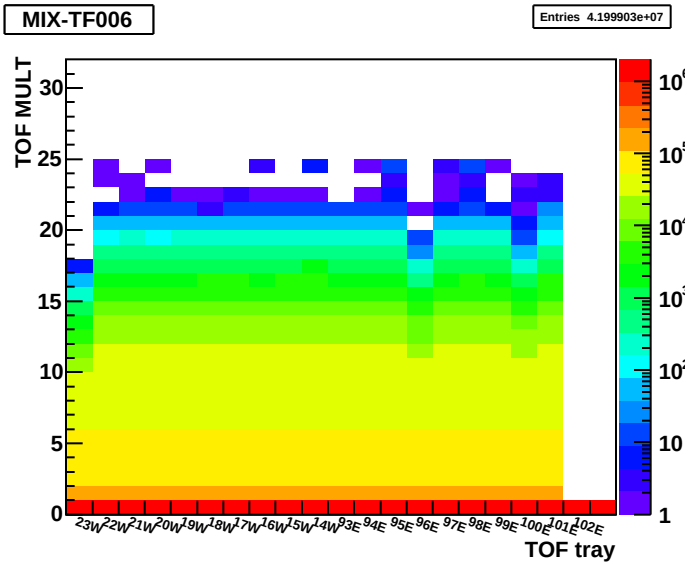

MIX-TF001
Entries 4.199903e+07
TOF MULT
TOF tray

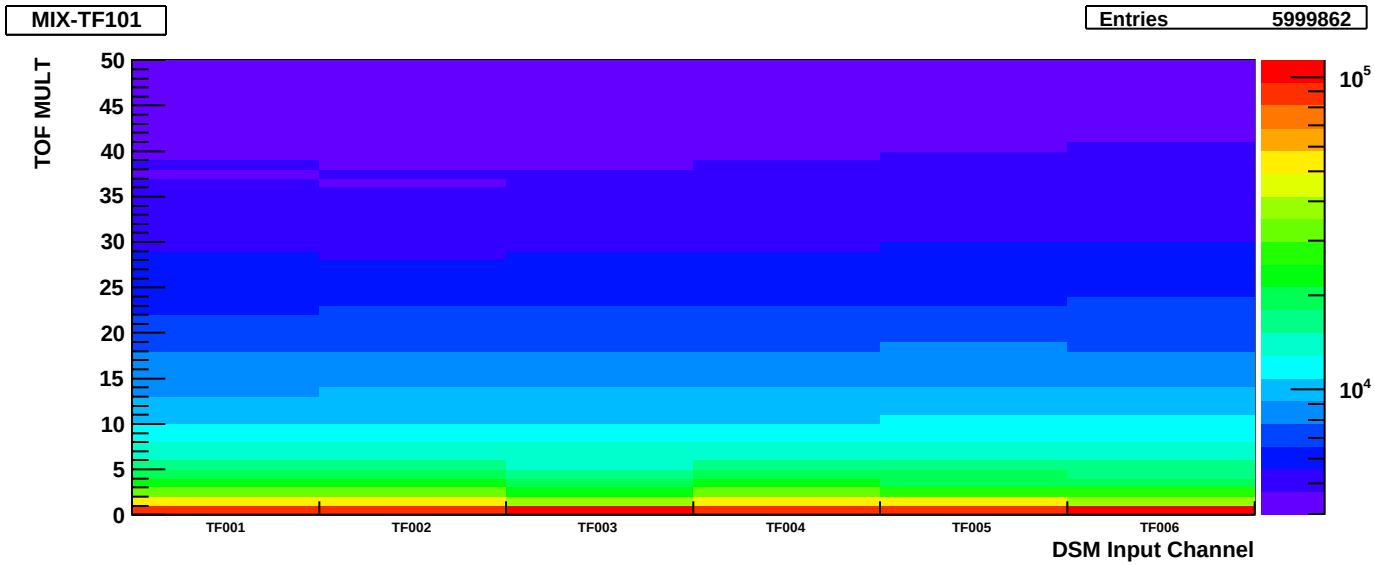

MIX-TF002
Entries 4.199903e+07
TOF MULT
TOF tray

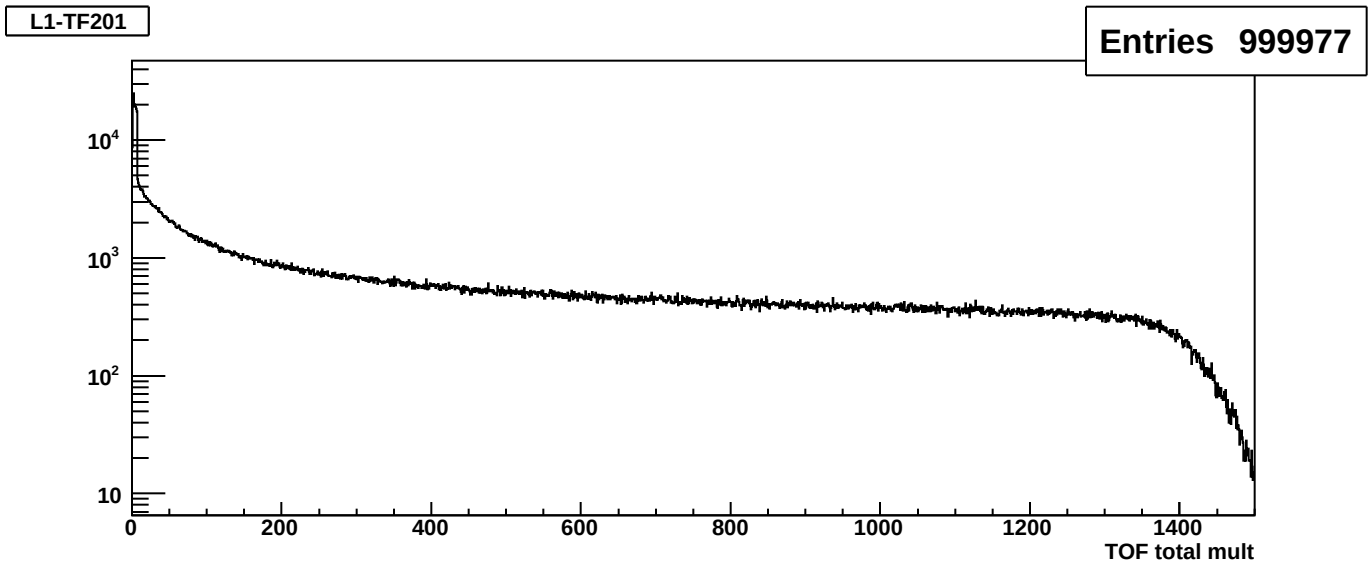

MIX-TF003
Entries 4.199903e+07
TOF MULT
TOF tray

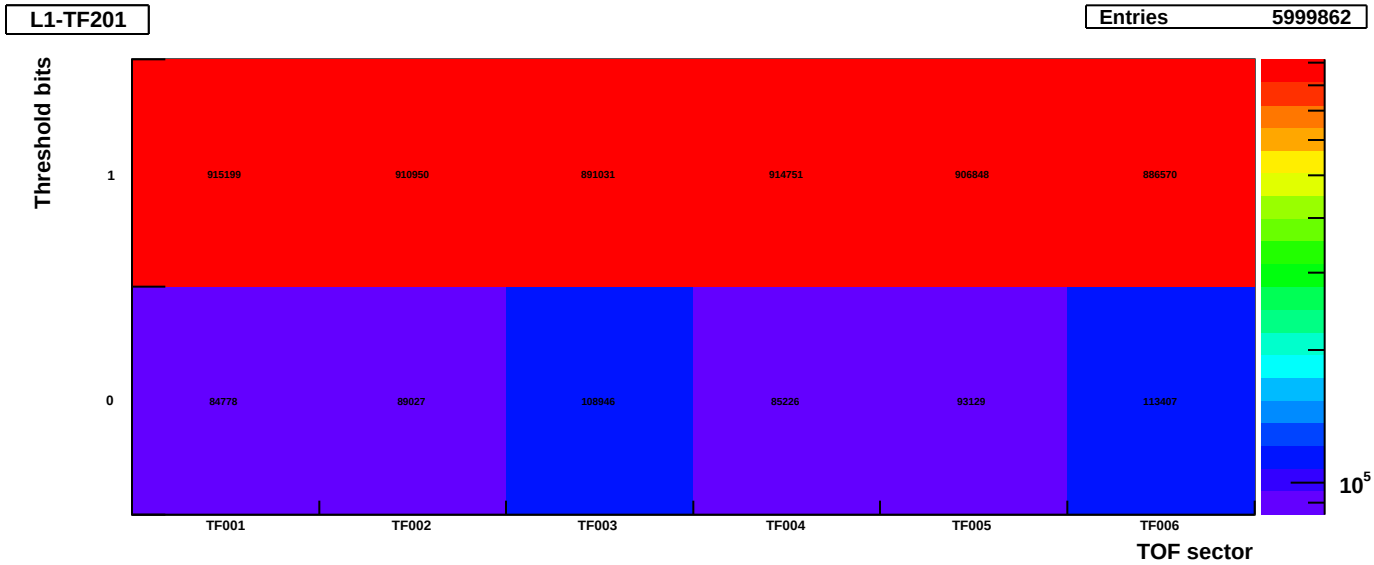

MIX-TF004
Entries 4.199903e+07
TOF MULT
TOF tray

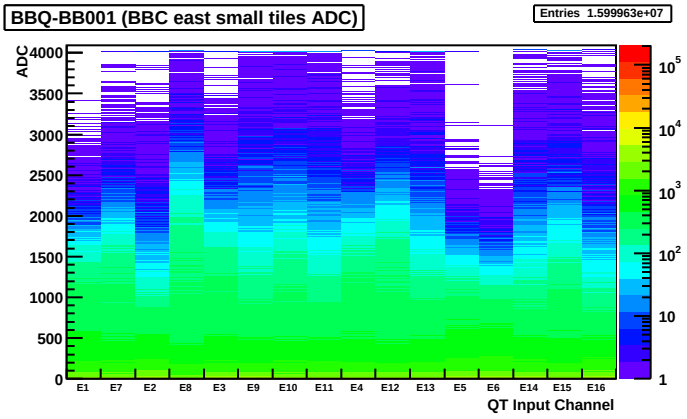

MIX-TF005
Entries 4.199903e+07
TOF MULT
TOF tray

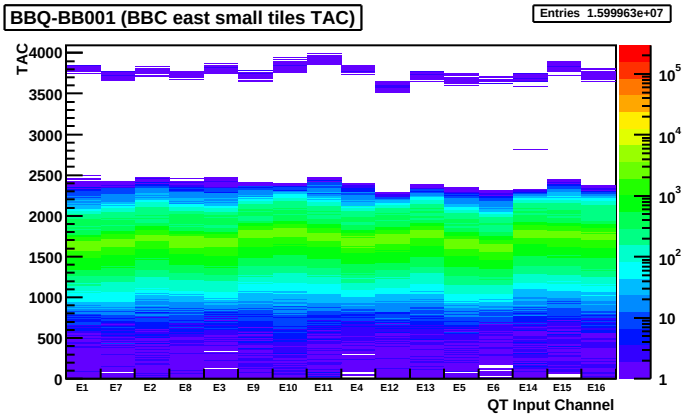

MIX-TF006
Entries 4.199903e+07
TOF MULT
TOF tray

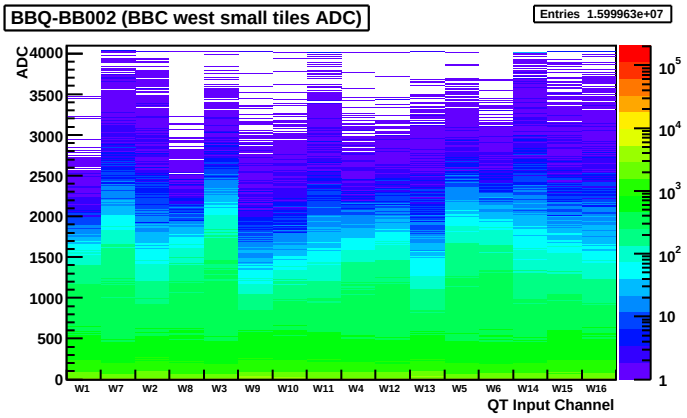

MIX-TF101
Entries 5999862
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
$10^5$
$10^4$

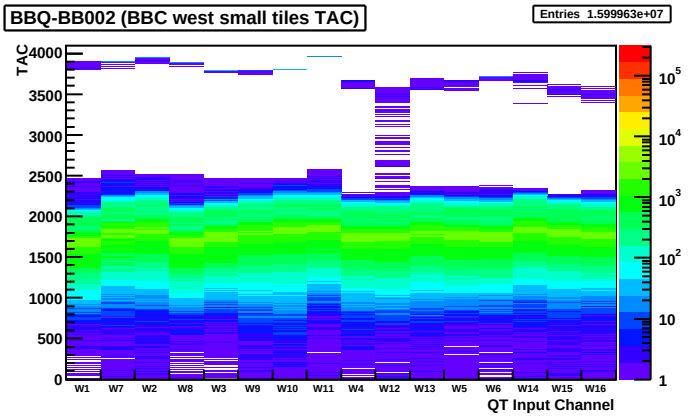

L1-TF201
Entries 999977
$10^4$
$10^3$
$10^2$
10
0
200
400
600
800
1000
1200
1400
TOF total mult

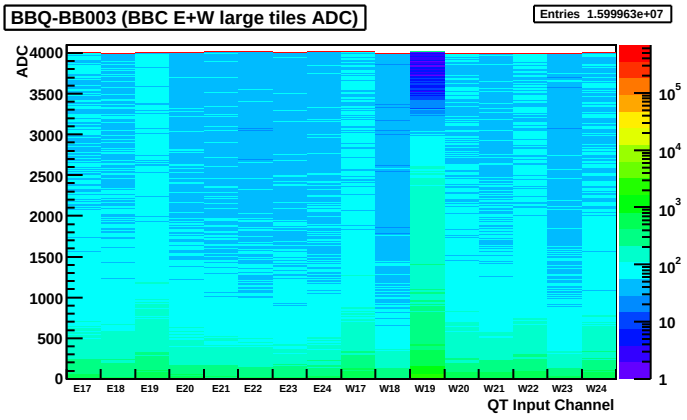

L1-TF201
Entries 5999862
Threshold bits
1
0
915199
910950
891031
914751
906848
886570
84778
89027
108946
85226
93129
113407
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
$10^5$

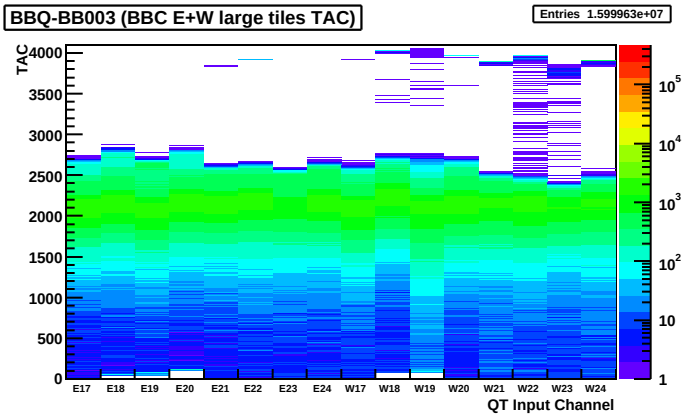

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.599963e+07
ADC
QT Input Channel

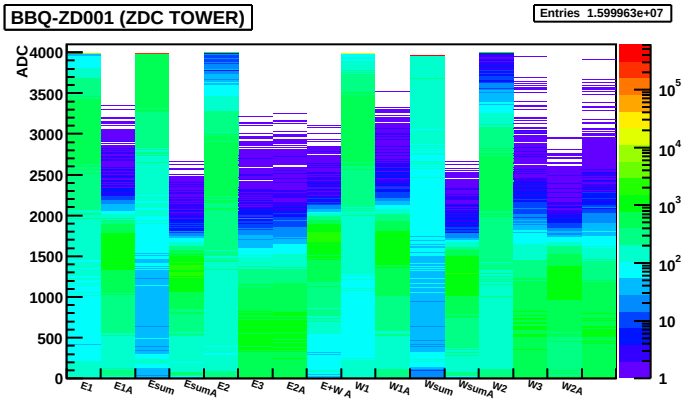

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.599963e+07
TAC
QT Input Channel

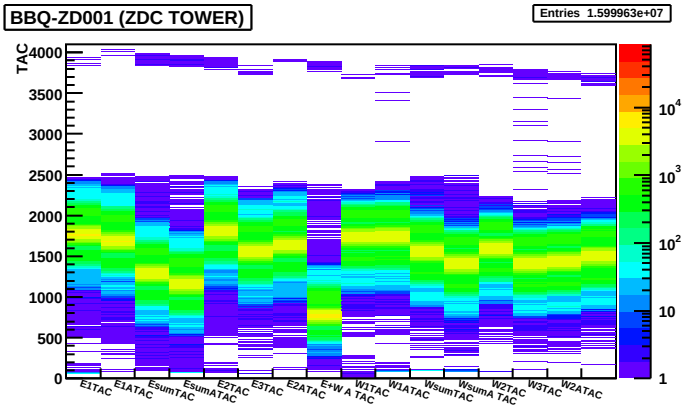

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.599963e+07
ADC
QT Input Channel

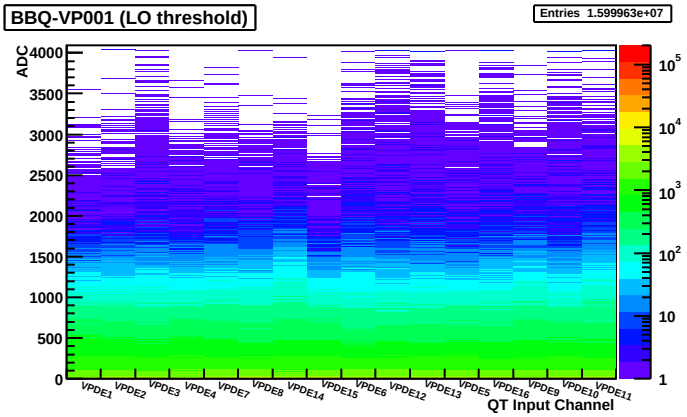

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.599963e+07
TAC
QT Input Channel

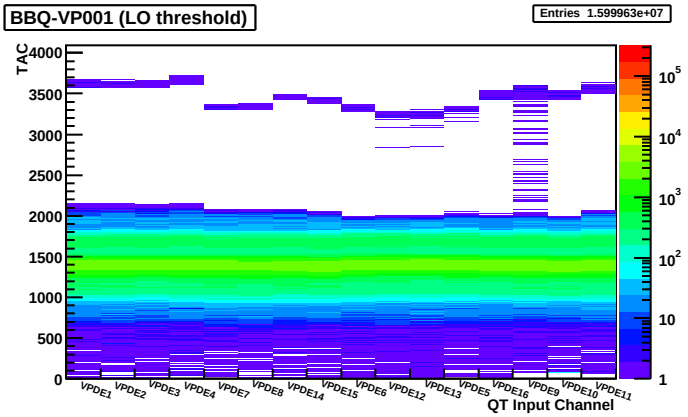

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.599963e+07
ADC
QT Input Channel

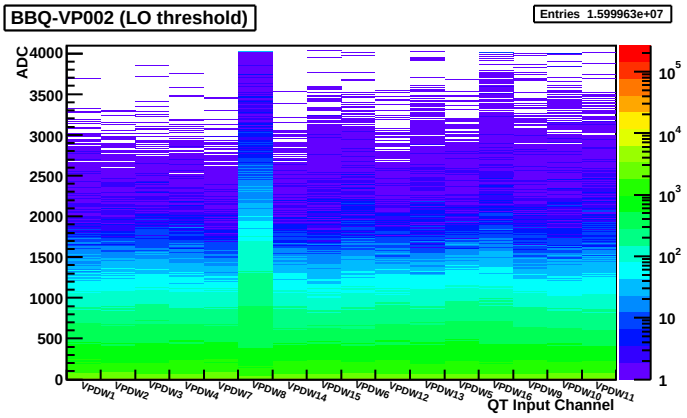

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.599963e+07
TAC
QT Input Channel

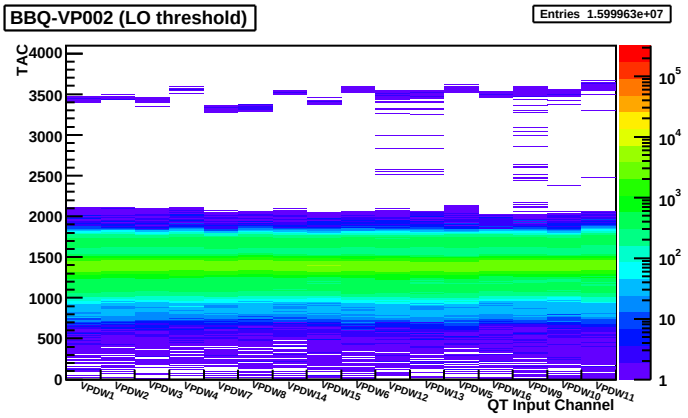

BBQ-ZD001 (ZDC TOWER)
Entries 1.599963e+07
ADC

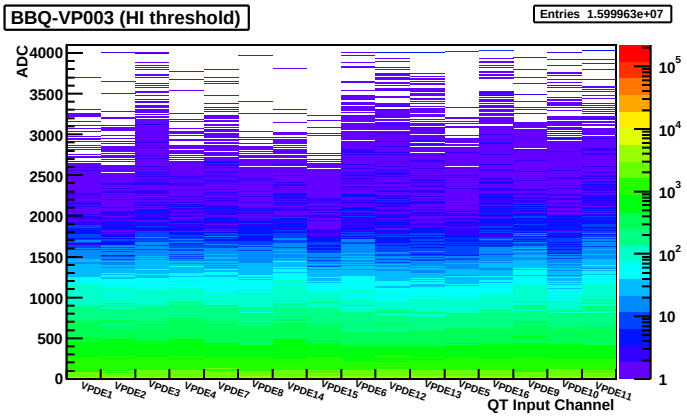

BBQ-ZD001 (ZDC TOWER)
Entries 1.599963e+07
TAC

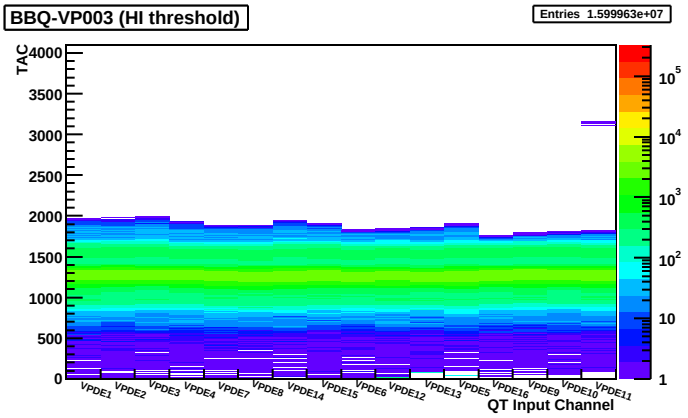

BBQ-VP001 (LO threshold)
Entries 1.599963e+07
ADC
QT Input Channel

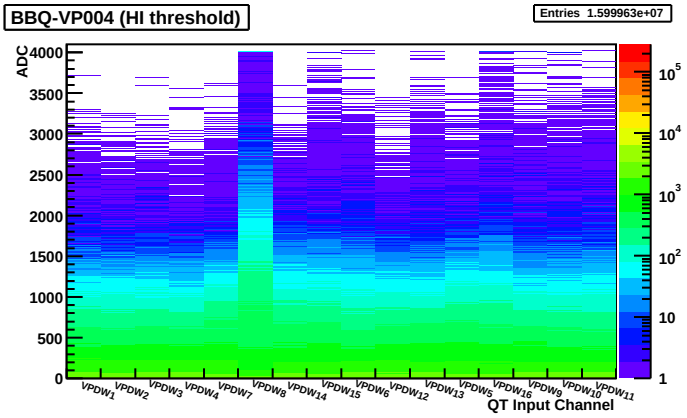

BBQ-VP001 (LO threshold)
Entries 1.599963e+07
TAC
QT Input Channel

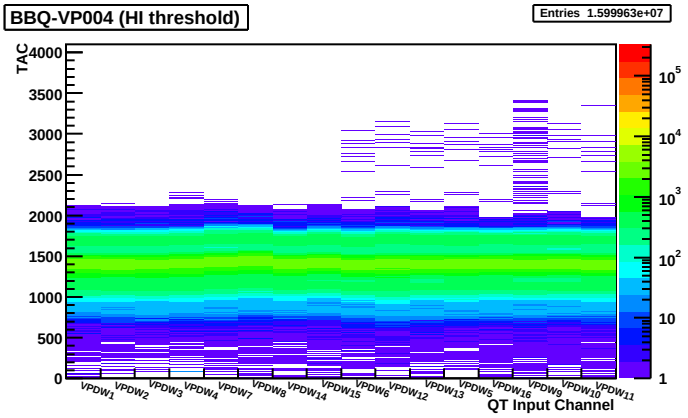

BBQ-VP002 (LO threshold)
Entries 1.599963e+07
ADC
QT Input Channel

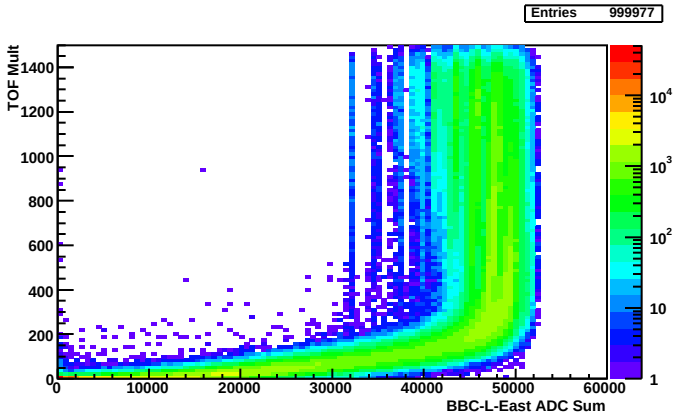

BBQ-VP002 (LO threshold)
Entries 1.599963e+07
TAC
QT Input Channel

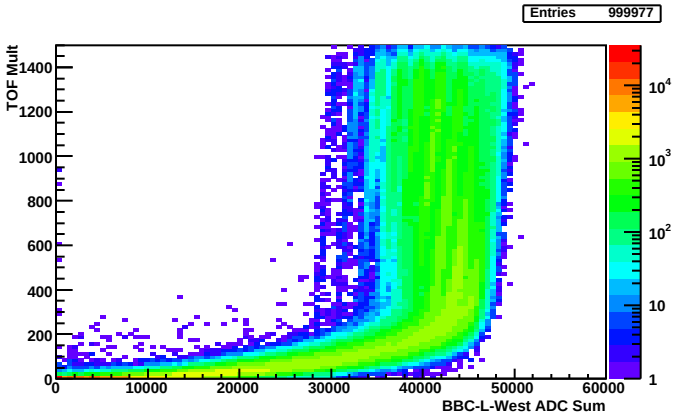

BBQ-VP003 (HI threshold)
Entries 1.599963e+07
ADC
QT Input Channel

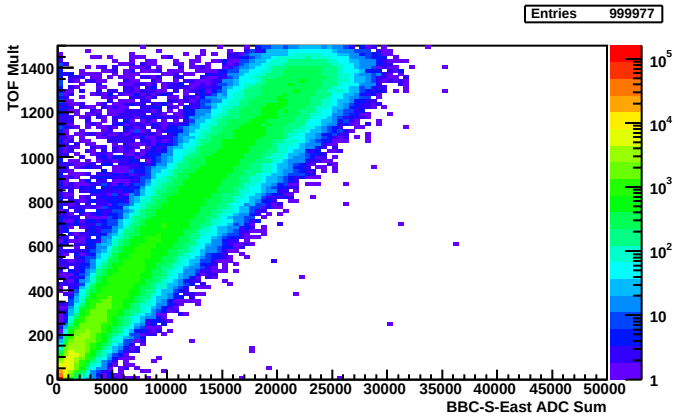

BBQ-VP003 (HI threshold)
Entries 1.599963e+07
TAC
QT Input Channel

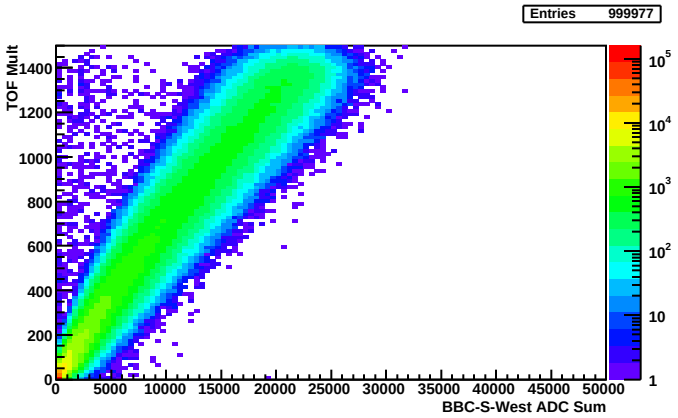

BBQ-VP004 (HI threshold)
Entries 1.599963e+07
ADC
QT Input Channel

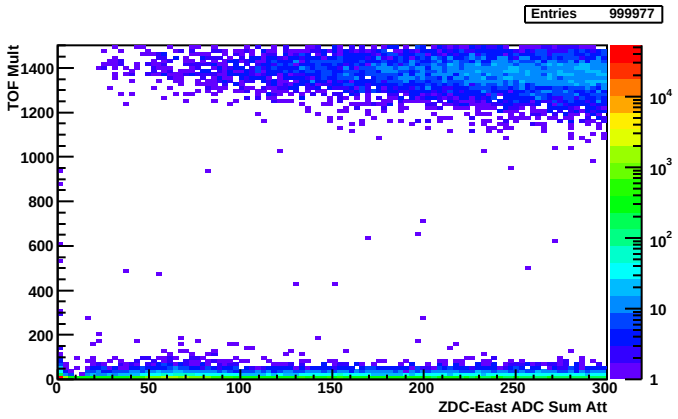

BBQ-VP004 (HI threshold)
Entries 1.599963e+07
TAC
QT Input Channel

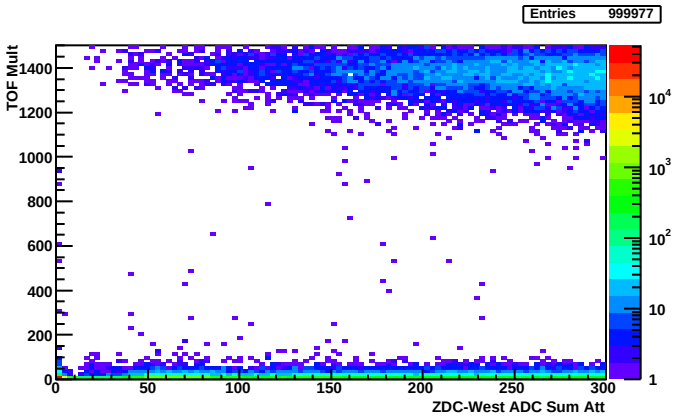

Entries 999977
TOF Mult
BBC-L-East ADC Sum

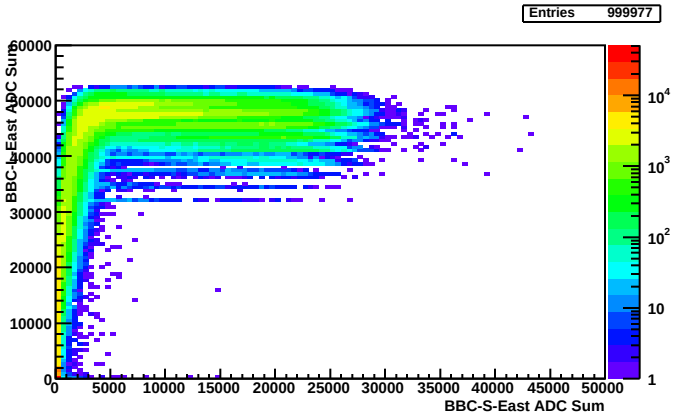

Entries 999977
TOF Mult
BBC-L-West ADC Sum

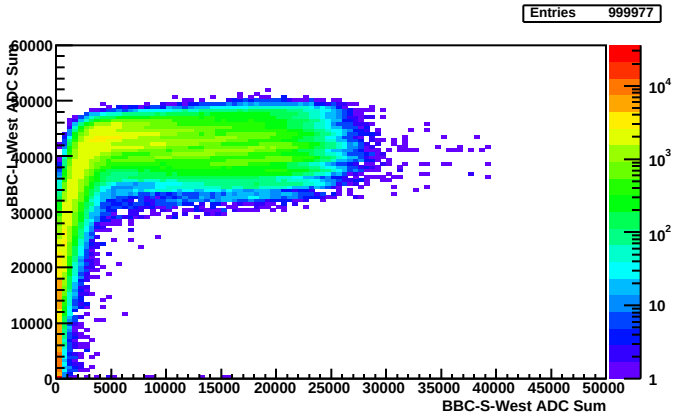

Entries 999977
TOF Mult
BBC-S-East ADC Sum

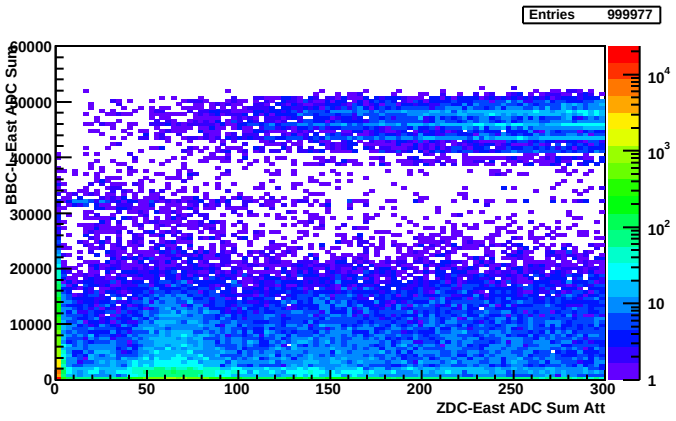

Entries 999977
TOF Mult
BBC-S-West ADC Sum

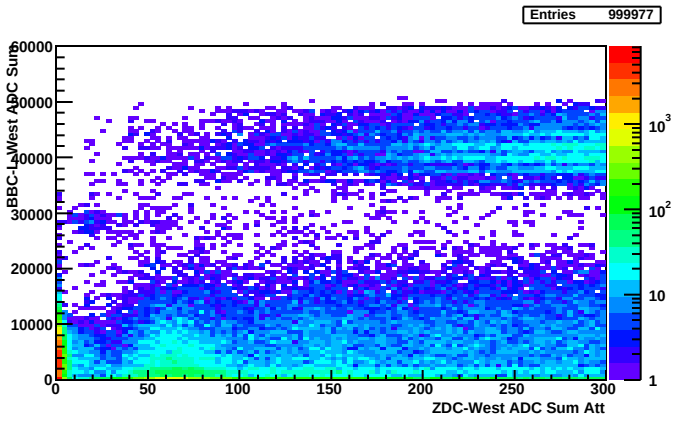

Entries 999977
TOF Mult
ZDC-East ADC Sum Att

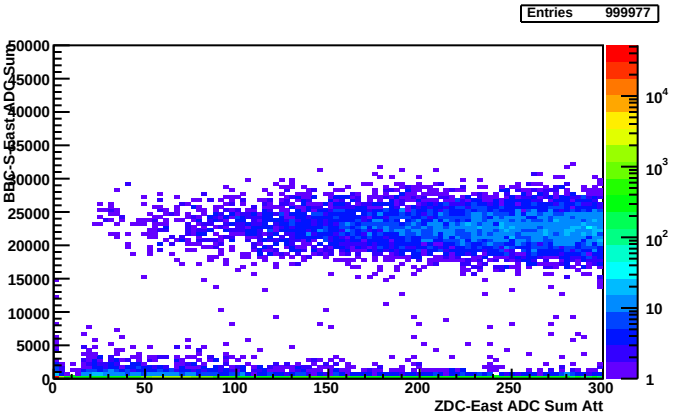

Entries 999977
TOF Mult
ZDC-West ADC Sum Att

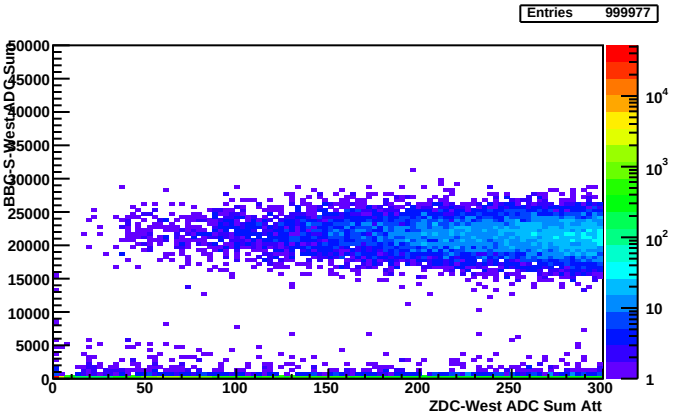

Entries 999977
BBC-L-East ADC Sum
BBC-S-East ADC Sum

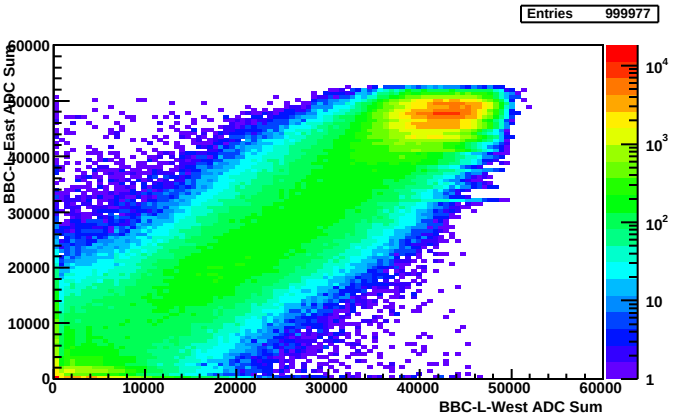

Entries 999977
BBC-L-West ADC Sum
BBC-S-West ADC Sum

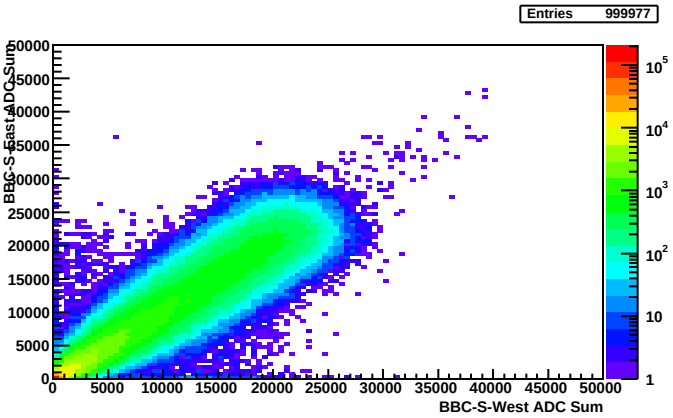

Entries 999977
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

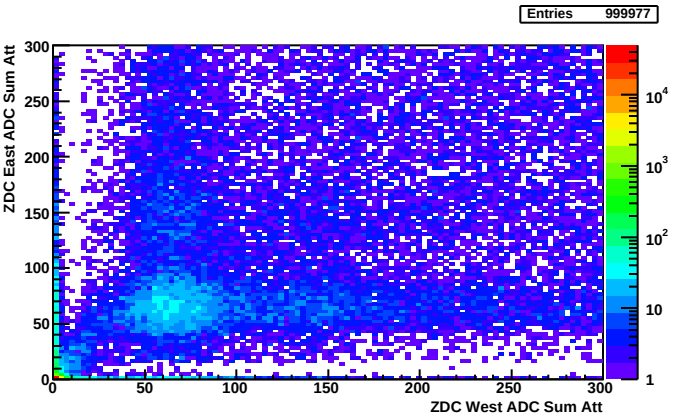

Entries 999977
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

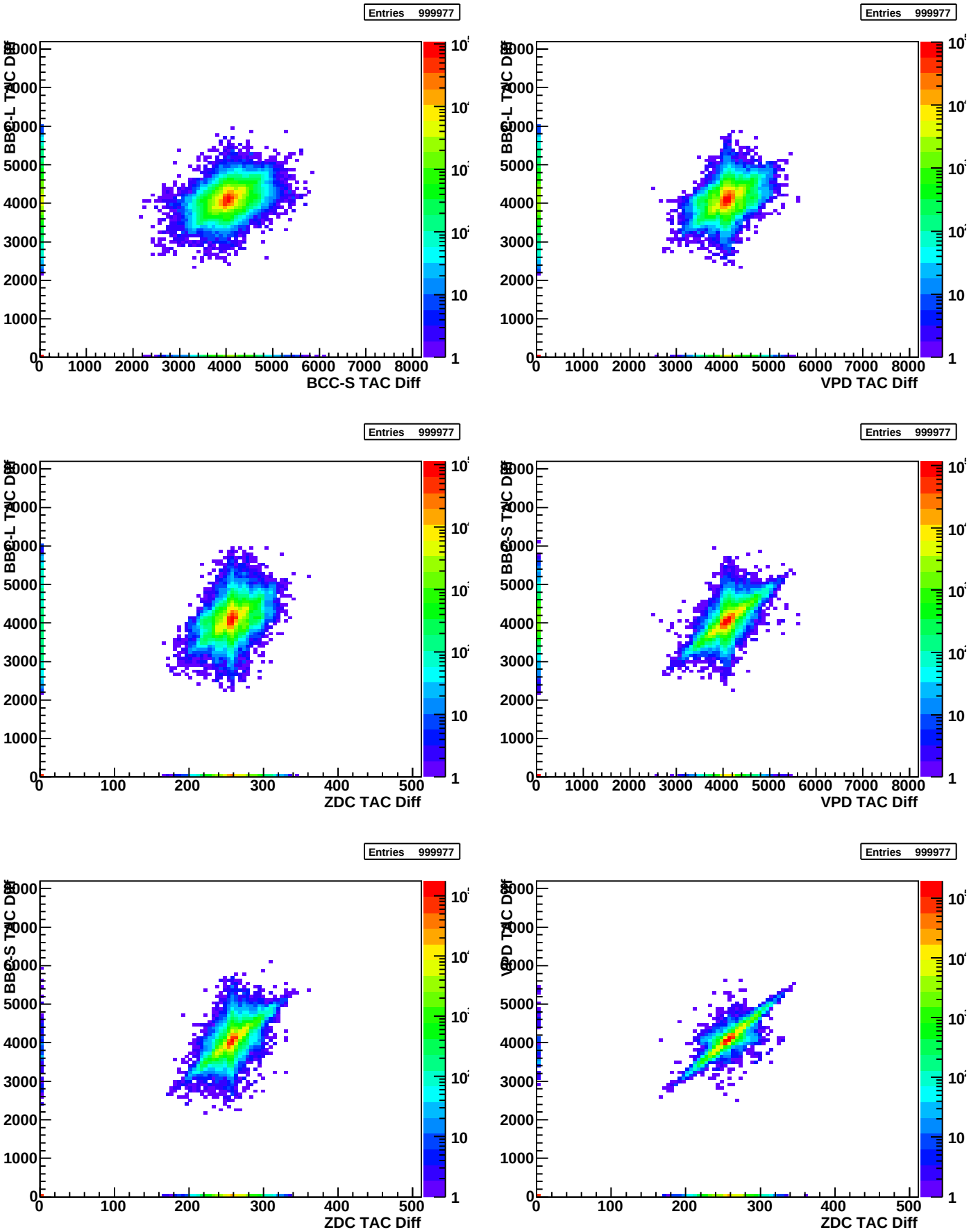

Entries 999977
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

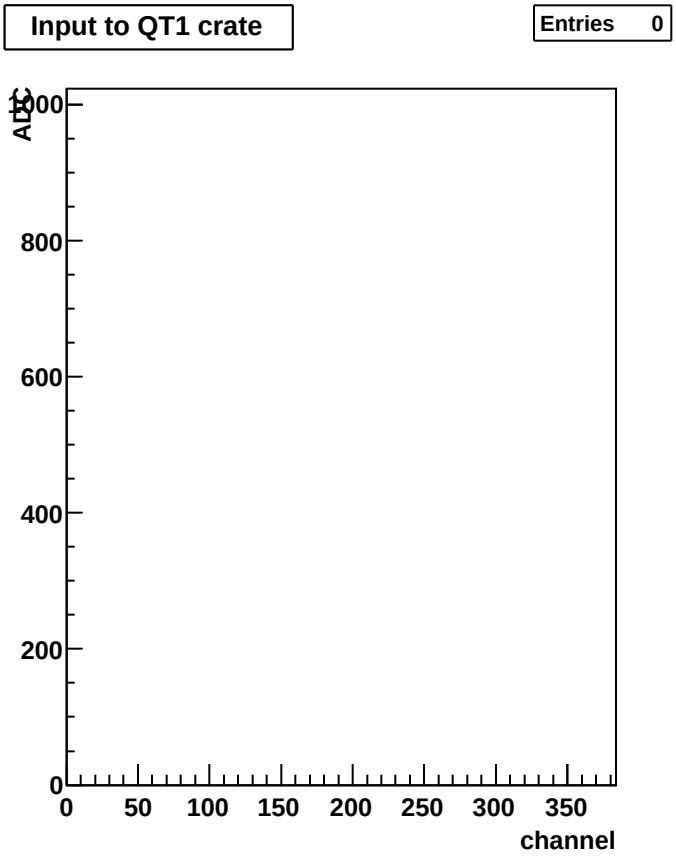

Entries 999977
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

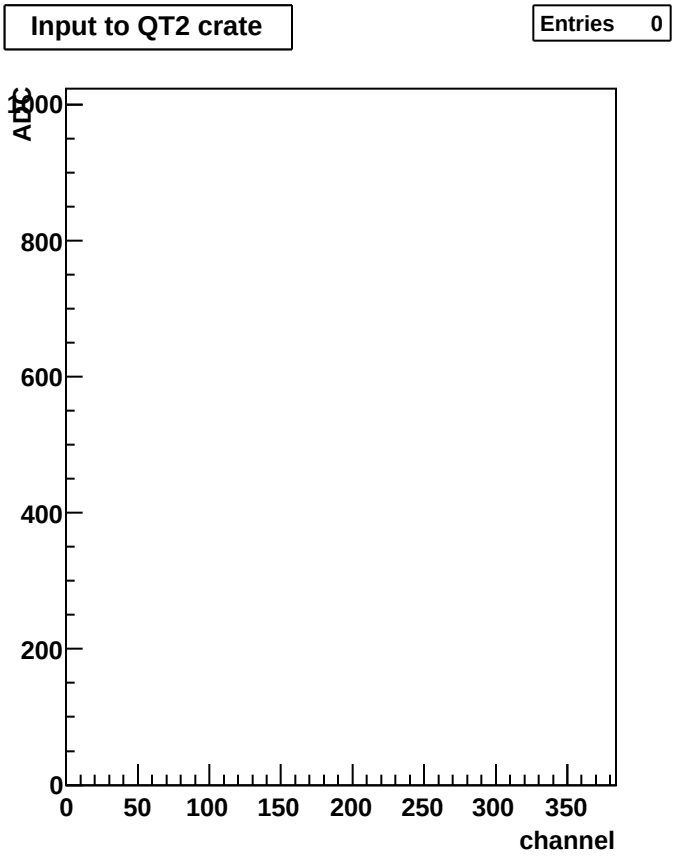

Entries 999977
BBC-L-East ADC Sum
BBC-L-West ADC Sum

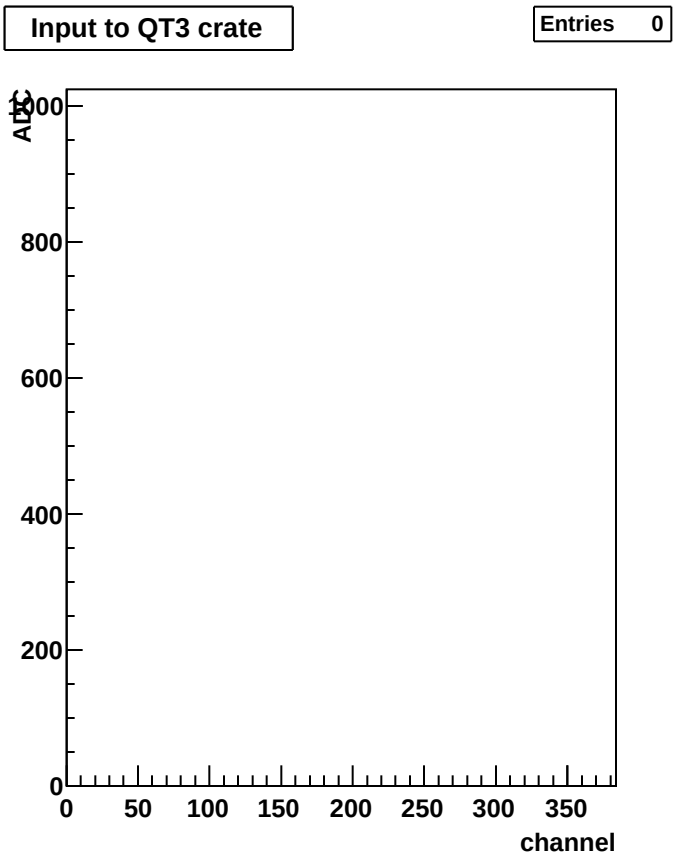

Entries 999977
BBC-S-East ADC Sum
BBC-S-West ADC Sum

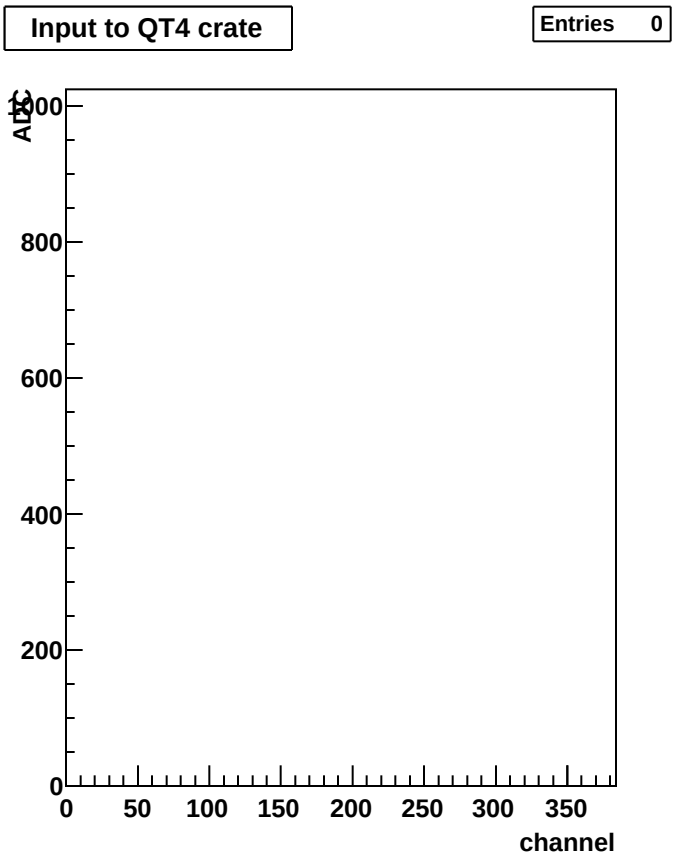

Entries 999977
ZDC East ADC Sum Att
ZDC West ADC Sum Att

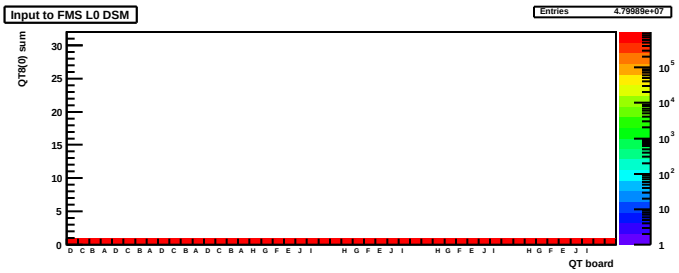

Entries 999977
BBC-L TAC Diff
BCC-S TAC Diff
Entries 999977
BBC-L TAC Diff
VPD TAC Diff
Entries 999977
BBC-L TAC Diff
ZDC TAC Diff
Entries 999977
BBC-S TAC Diff
VPD TAC Diff
Entries 999977
BBC-S TAC Diff
ZDC TAC Diff
Entries 999977
VPD TAC Diff
ZDC TAC Diff

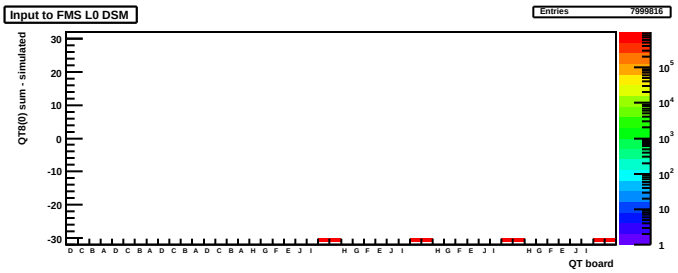

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

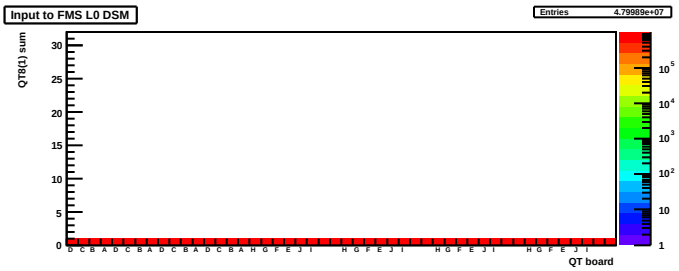

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

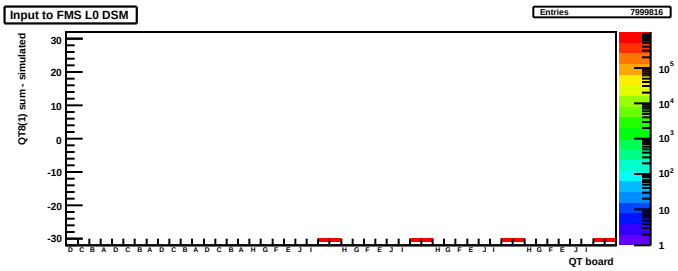

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

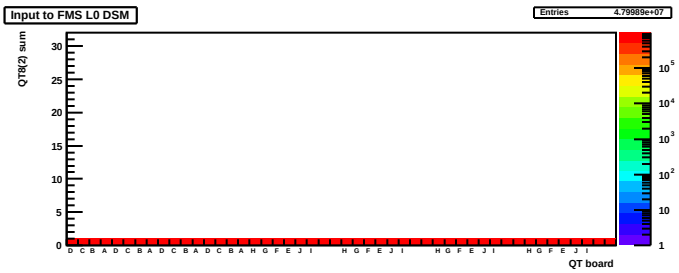

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

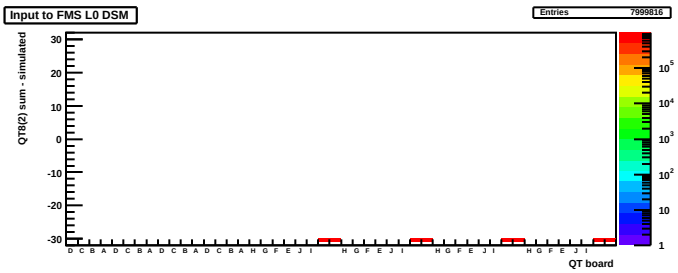

Input to FMS L0 DSM
Entries 4.79989e+07
QT8(0) sum
QT board

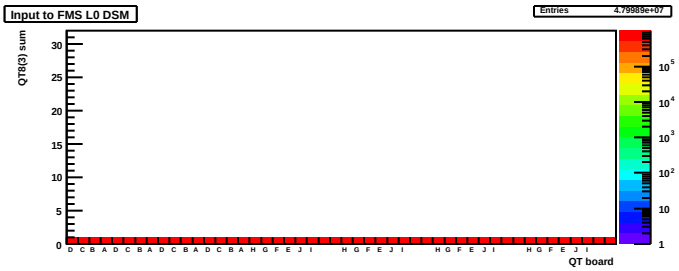

Input to FMS L0 DSM
Entries 7999816
QT8(0) sum - simulated
QT board

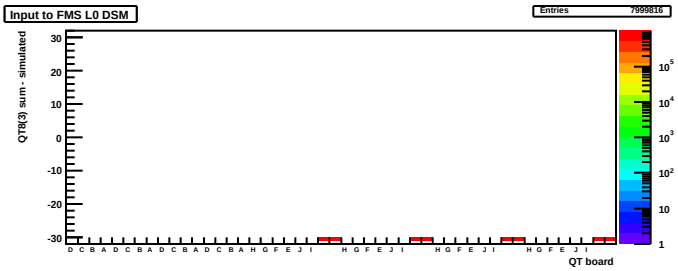

Input to FMS L0 DSM
Entries 4.79989e+07
QT8(1) sum
QT board

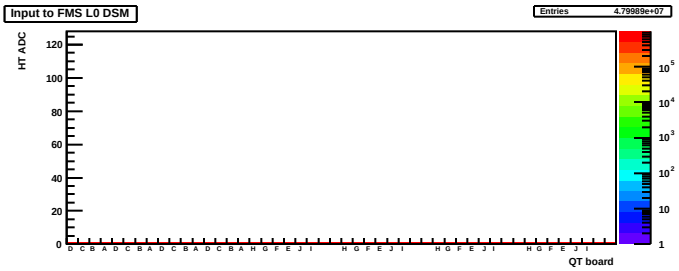

Input to FMS L0 DSM
Entries 7999816
QT8(1) sum - simulated
QT board

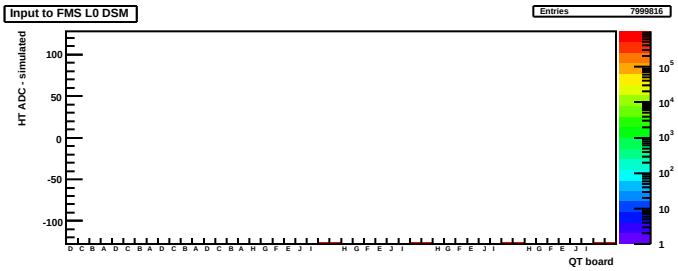

Input to FMS L0 DSM
Entries 4.79989e+07
QT8(2) sum
QT board

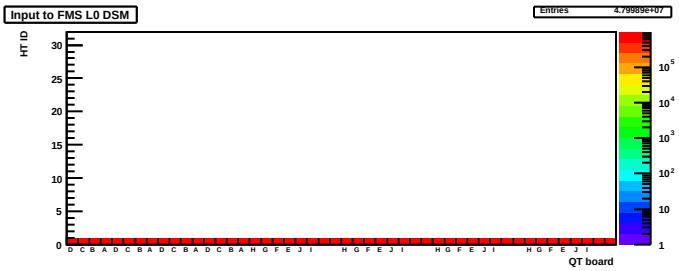

Input to FMS L0 DSM
Entries 7999816
QT8(2) sum - simulated
QT board

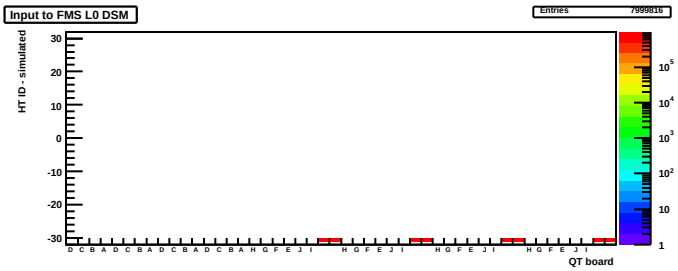

Input to FMS L0 DSM
Entries 4.79989e+07
QT8(3) sum
QT board

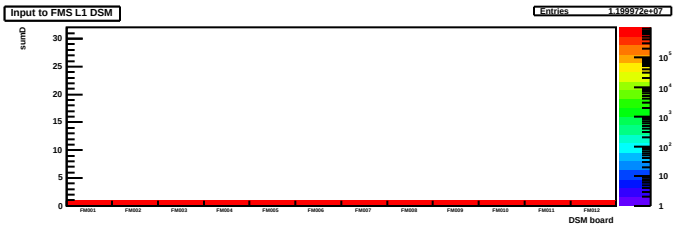

Input to FMS L0 DSM
Entries 7999816
QT8(3) sum - simulated
QT board

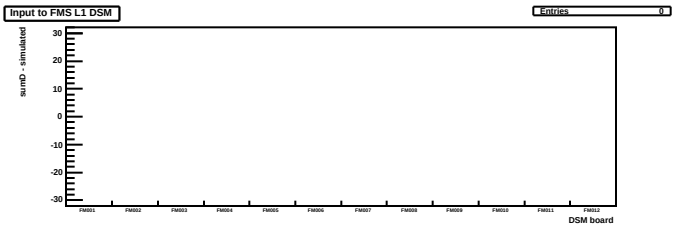

Input to FMS L0 DSM
Entries 4.79989e+07
HT ADC
QT board

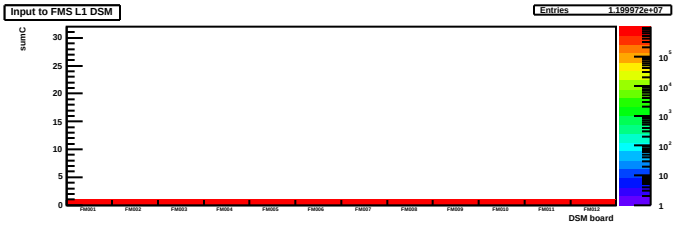

Input to FMS L0 DSM
Entries 7999816
HT ADC - simulated
QT board

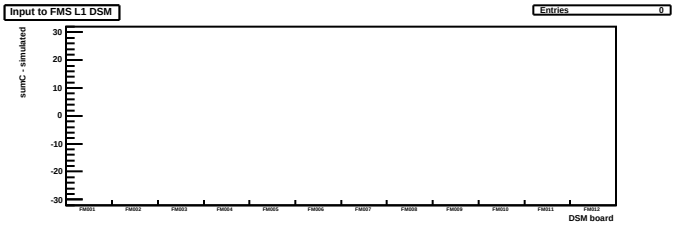

Input to FMS L0 DSM
Entries 4.79989e+07
HT ID
QT board

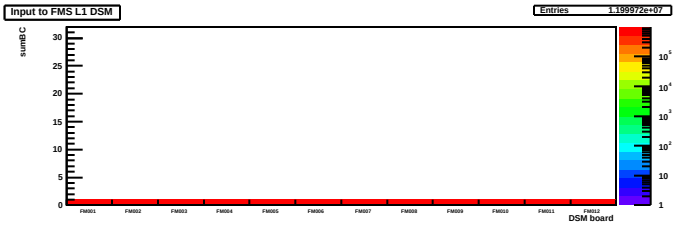

Input to FMS L0 DSM
Entries 7999816
HT ID - simulated
QT board

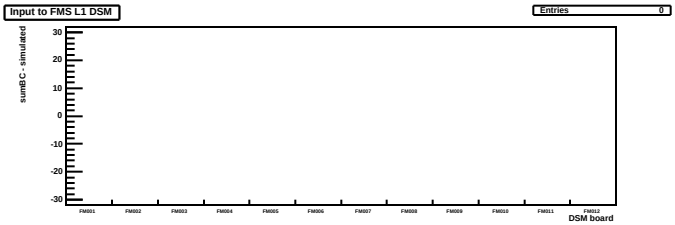

Input to FMS L1 DSM
Entries 1.199972e+07
sumD
DSM board

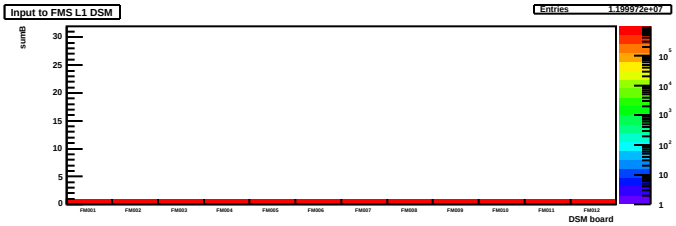

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

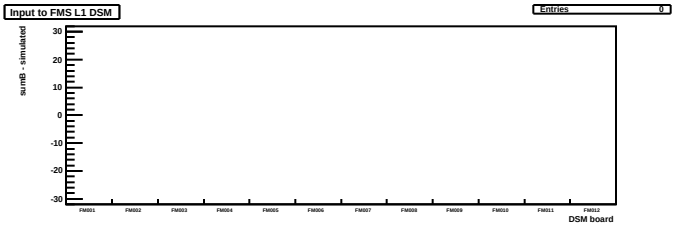

Input to FMS L1 DSM
Entries 1.199972e+07
sumC
DSM board

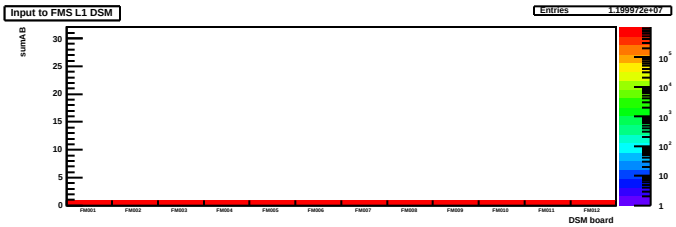

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

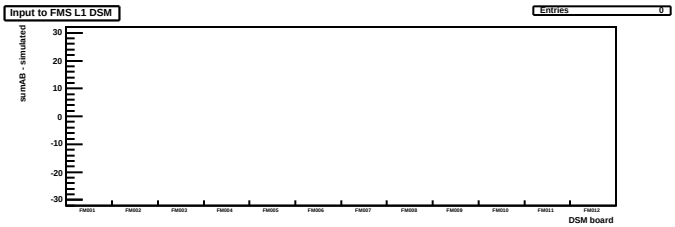

Input to FMS L1 DSM
Entries 1.199972e+07
sumBC
DSM board

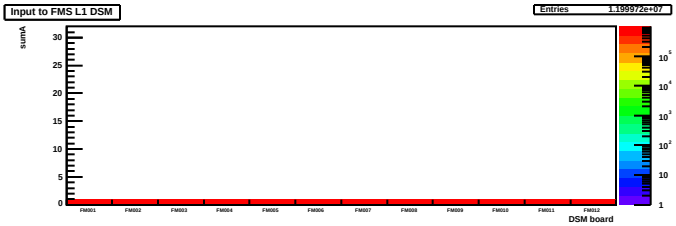

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

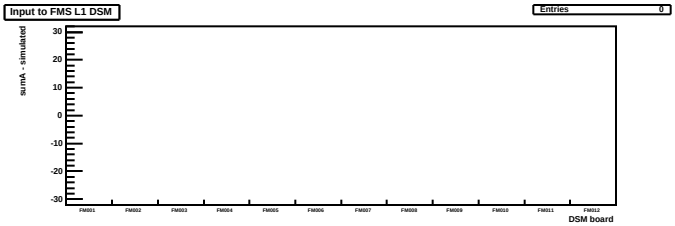

Input to FMS L1 DSM
Entries 1.199972e+07
sumB
DSM board

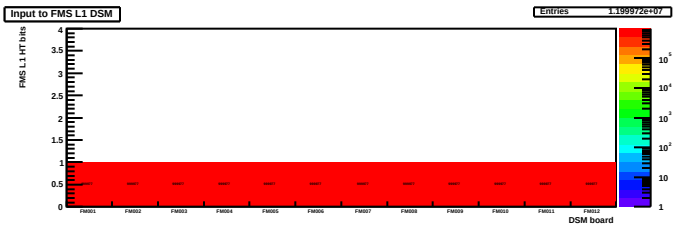

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

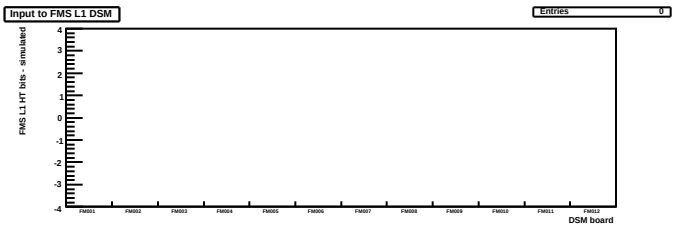

Input to FMS L1 DSM
Entries 1.199972e+07
sumAB
DSM board

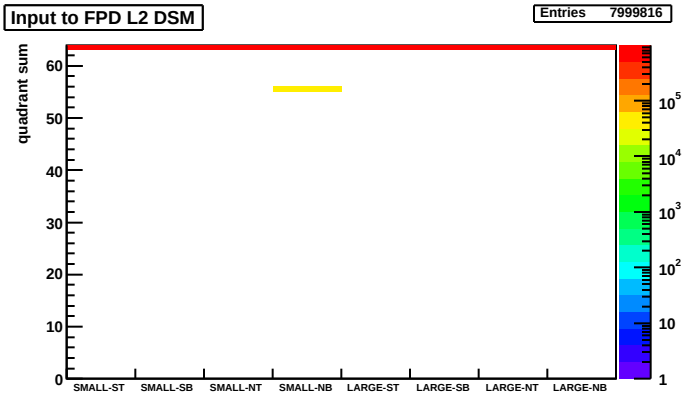

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

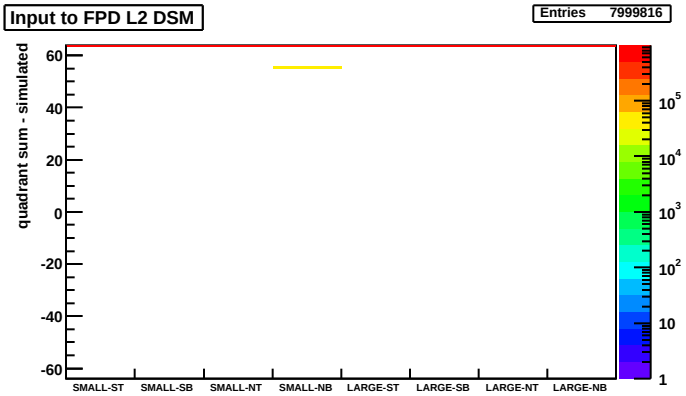

Input to FMS L1 DSM
Entries 1.199972e+07
sumA
DSM board

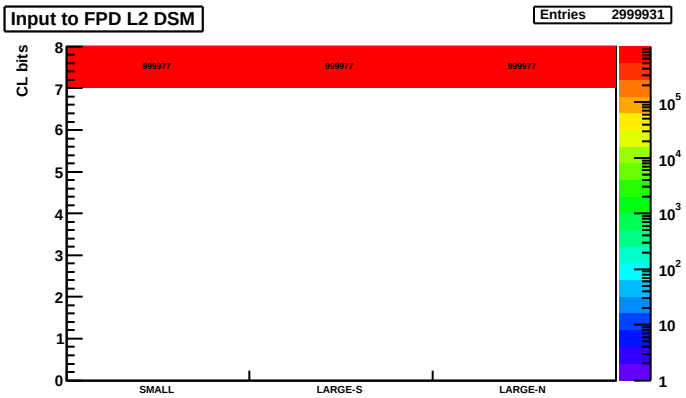

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

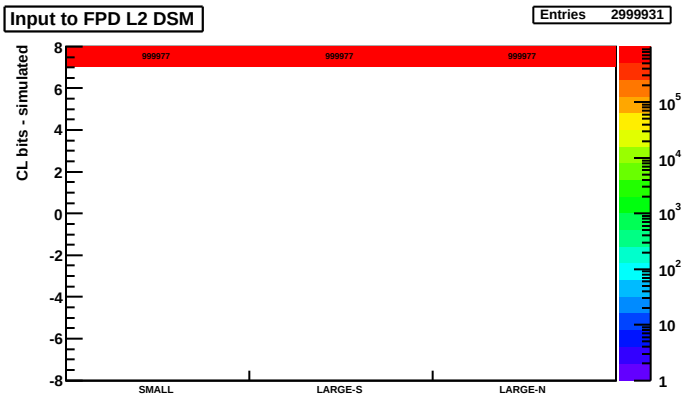

Input to FMS L1 DSM
Entries 1.199972e+07
FMS L1 HT bits
DSM board

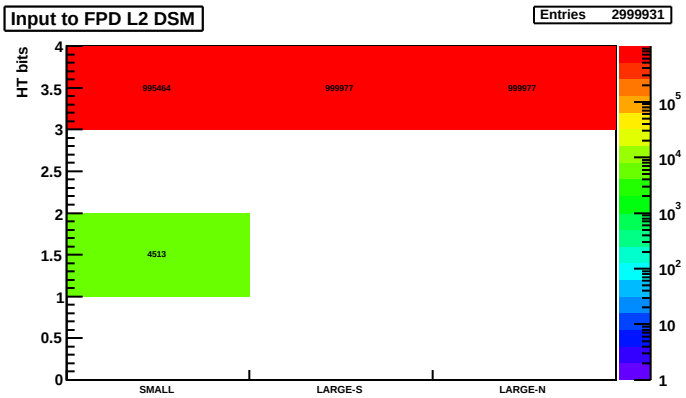

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

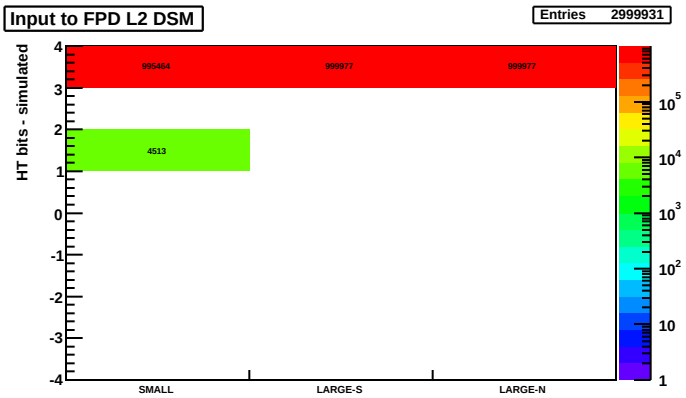

Input to FPD L2 DSM
Entries 7999816
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

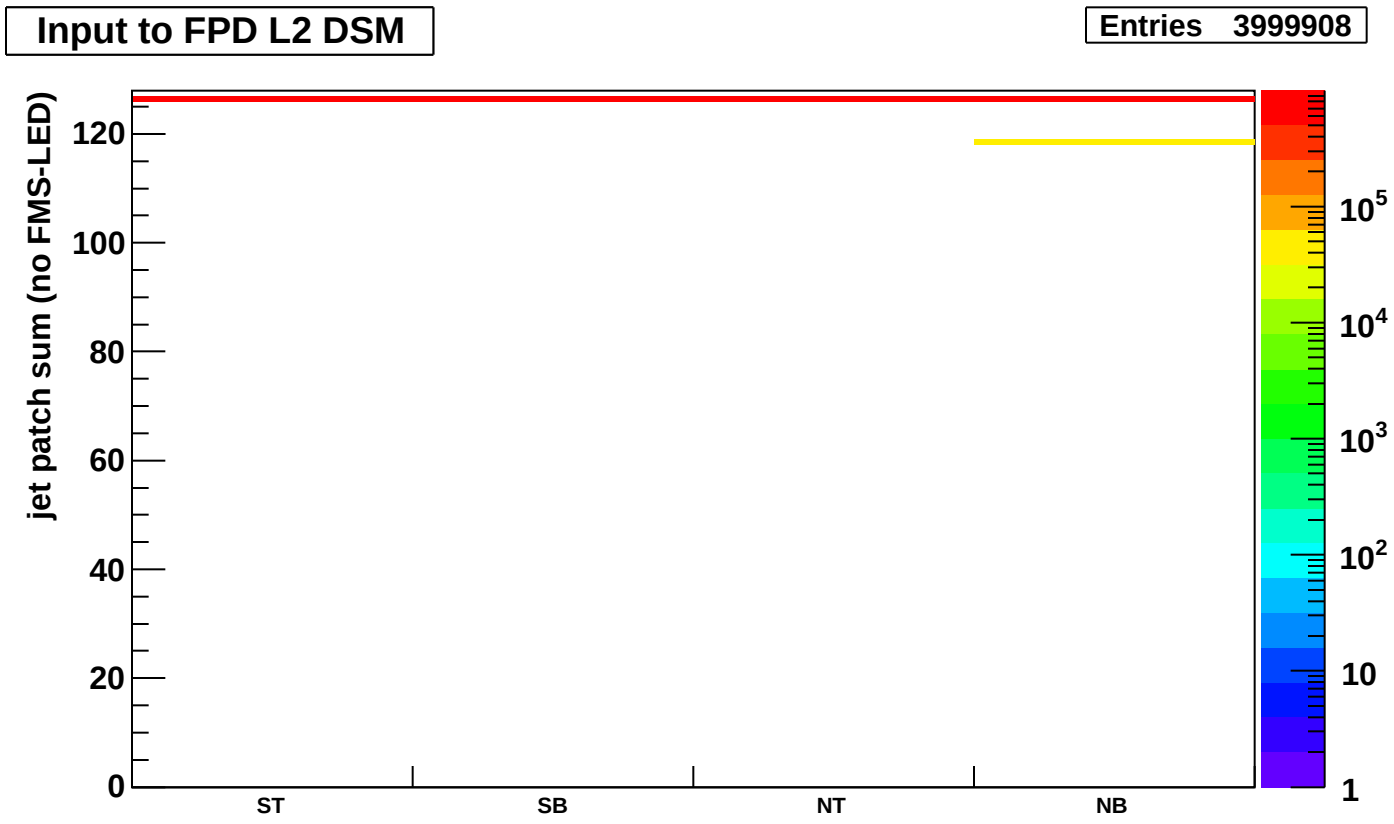

Input to FPD L2 DSM
Entries 7999816
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

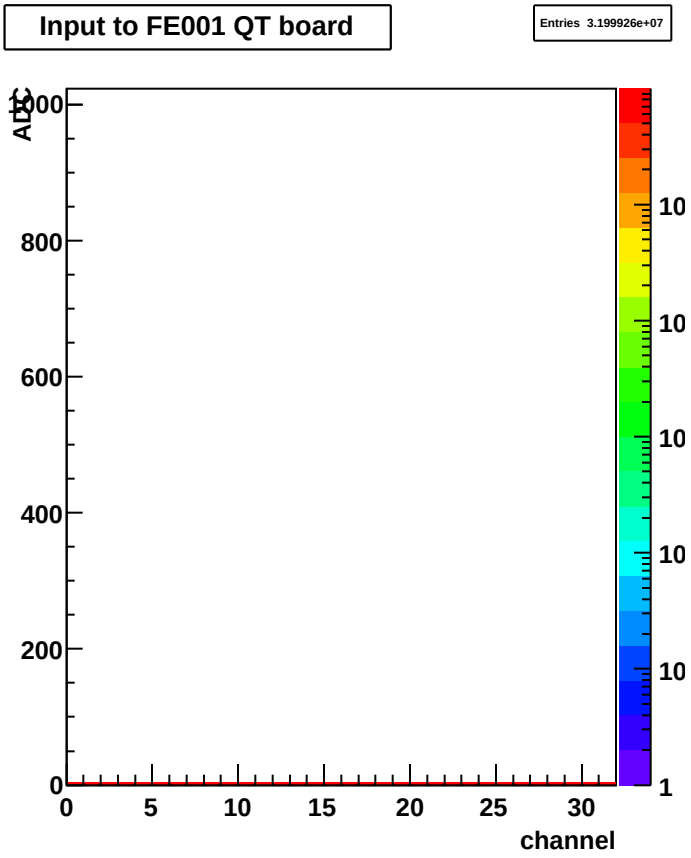

Input to FPD L2 DSM
Entries 2999931
CL bits
999977
999977
999977
SMALL
LARGE-S
LARGE-N

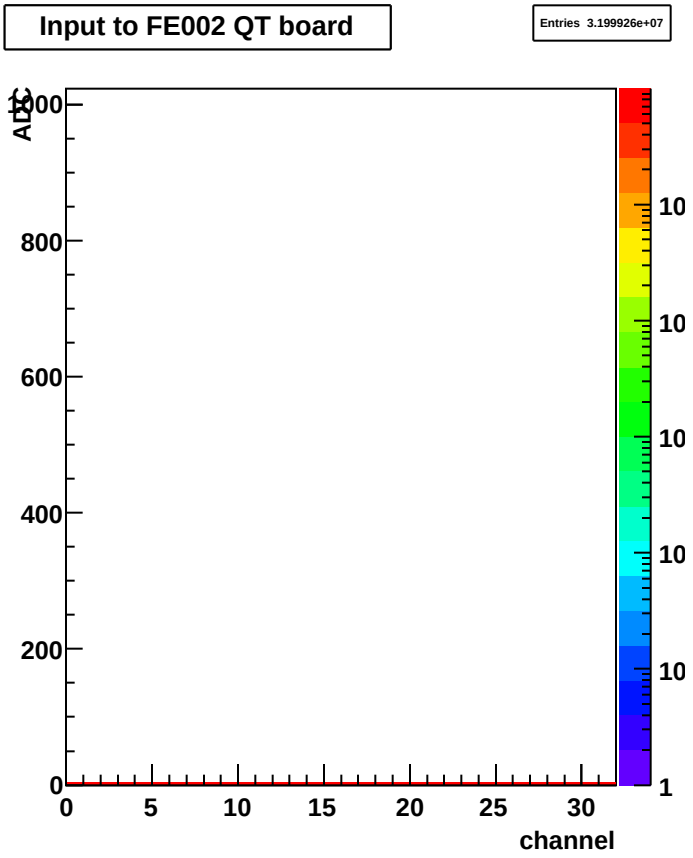

Input to FPD L2 DSM
Entries 2999931
CL bits - simulated
999977
999977
999977
SMALL
LARGE-S
LARGE-N

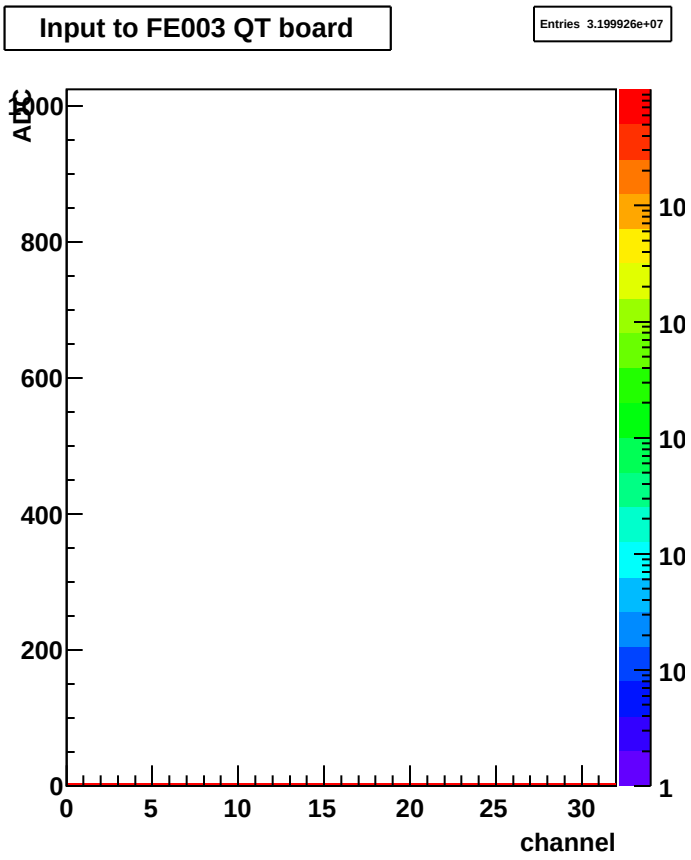

Input to FPD L2 DSM
Entries 2999931
HT bits
995464
999977
999977
4513
SMALL
LARGE-S
LARGE-N

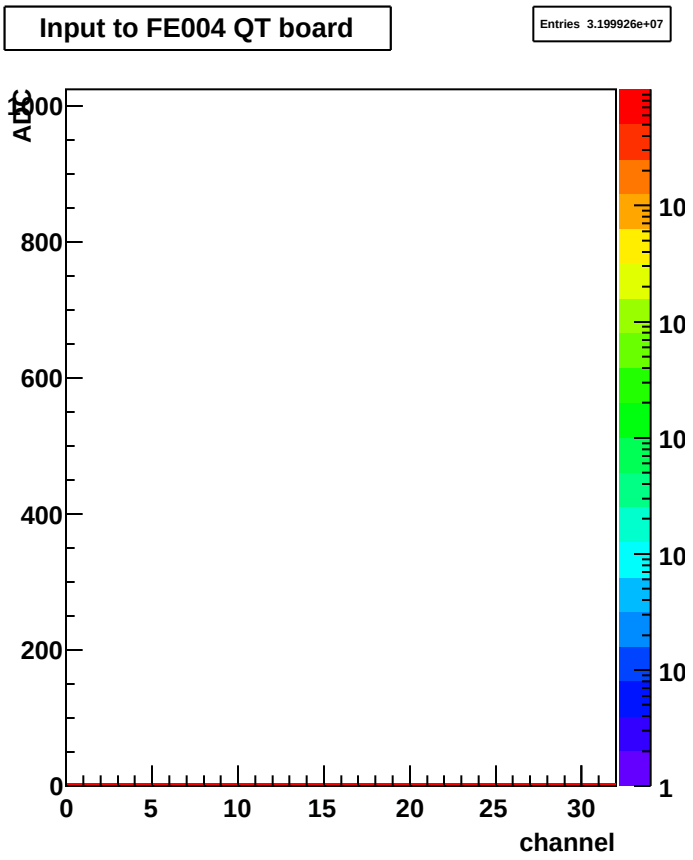

Input to FPD L2 DSM
Entries 2999931
HT bits - simulated
995464
999977
999977
4513
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 3999908
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
$10^2$
$10^3$
$10^4$
$10^5$

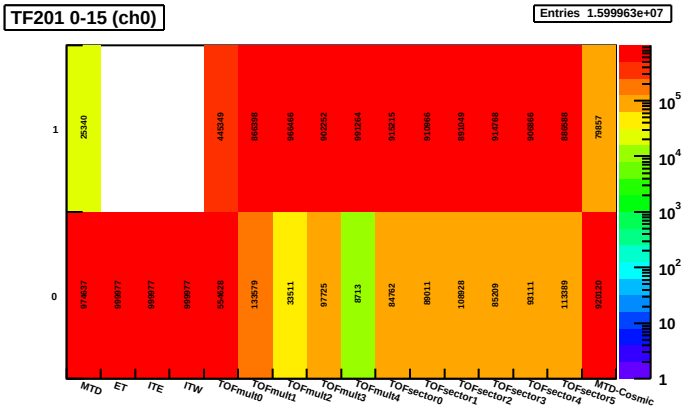

Input to FE001 QT board
Entries 3.199926e+07
ADC
channel


Input to FE002 QT board
Entries 3.199926e+07
ADC
channel

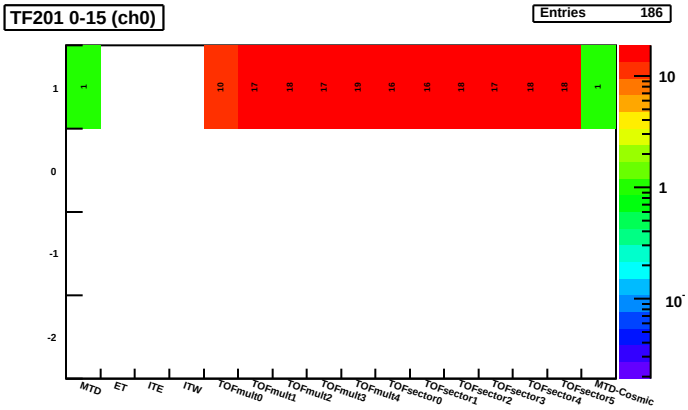

Input to FE003 QT board
Entries 3.199926e+07
ADC
channel


Input to FE004 QT board
Entries 3.199926e+07
ADC
channel

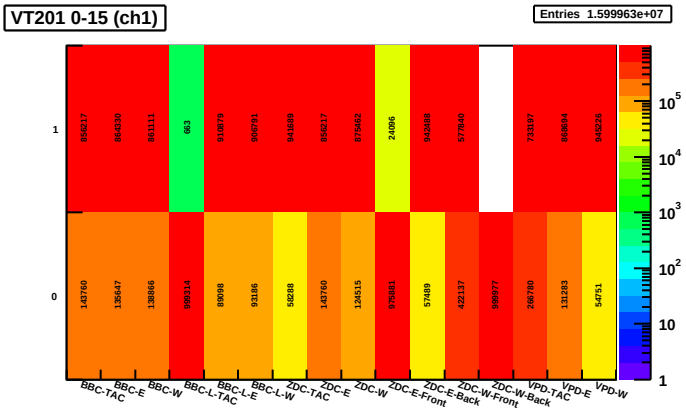
TF201 0-15 (ch0)



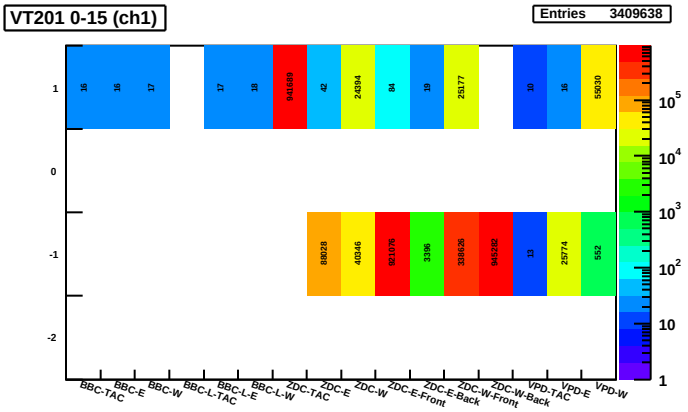

TF201 0-15 (ch0)



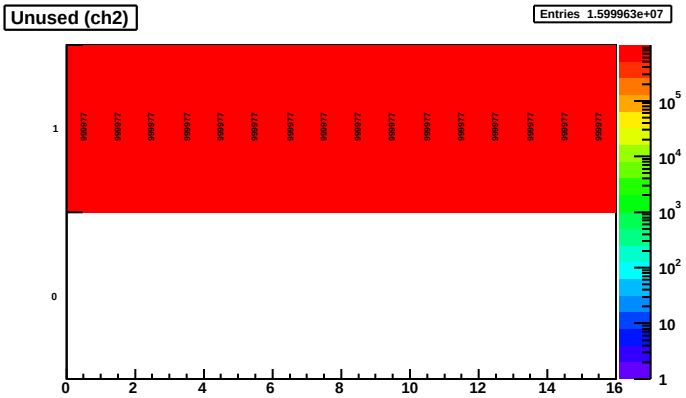

VT201 0-15 (ch1)

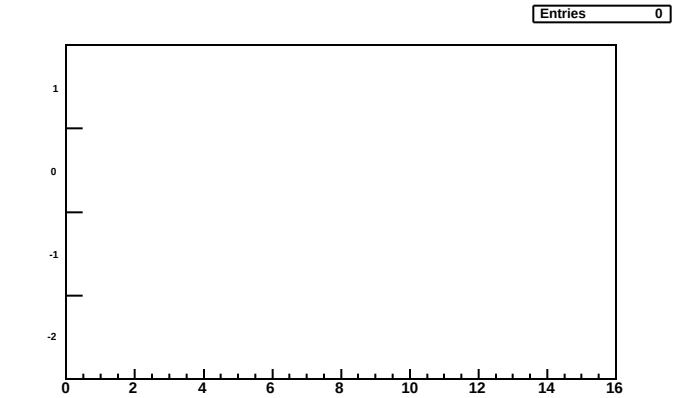



VT201 0-15 (ch1)

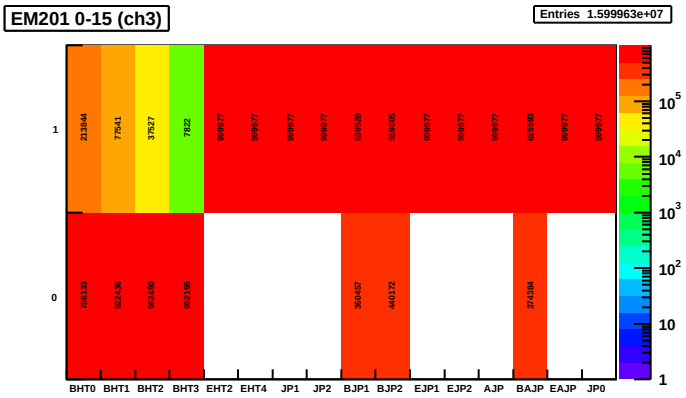



Unused (ch2)

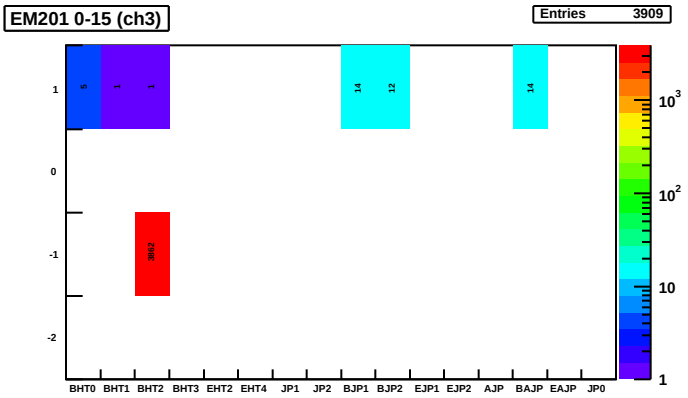


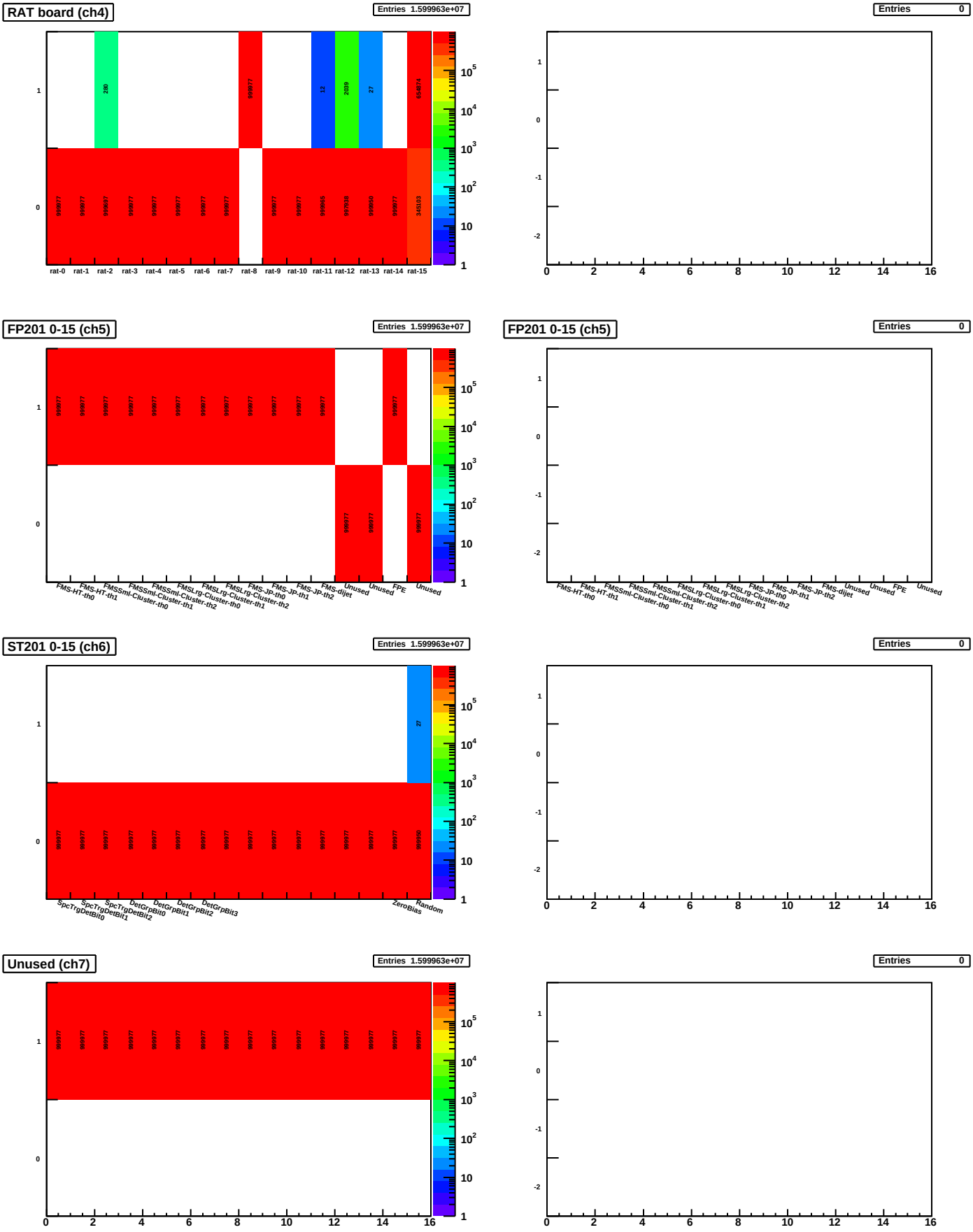




EM201 0-15 (ch3)




EM201 0-15 (ch3)




RAT board (ch4)
Entries 1.599963e+07
Entries 0
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
FP201 0-15 (ch5)
Entries 1.599963e+07
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 1.599963e+07
Entries 0
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random
Unused (ch7)
Entries 1.599963e+07
Entries 0