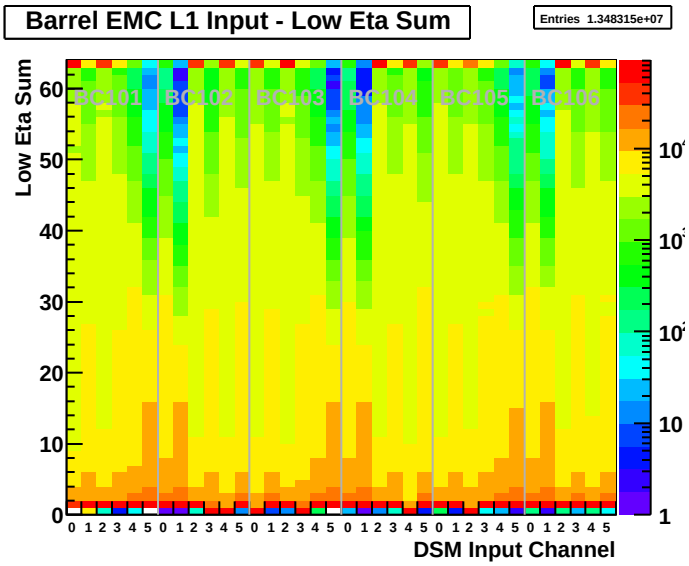
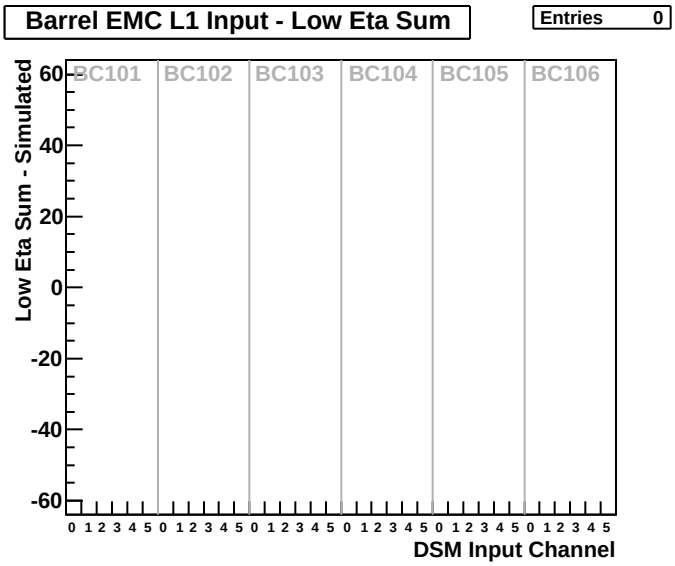
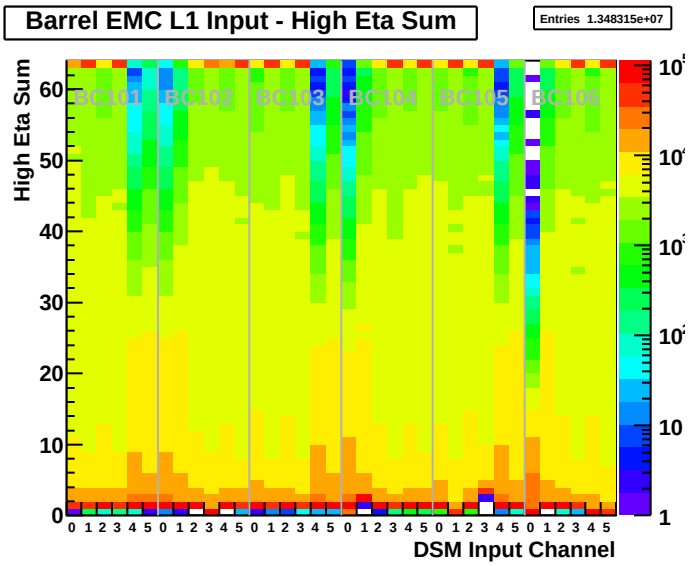
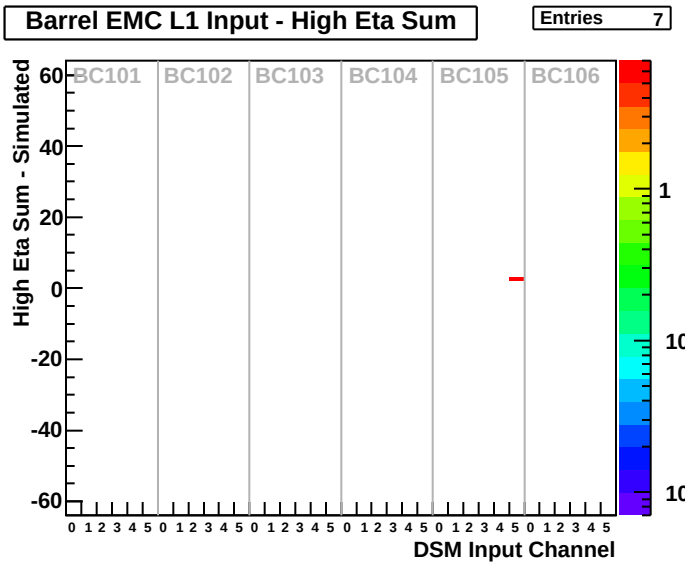
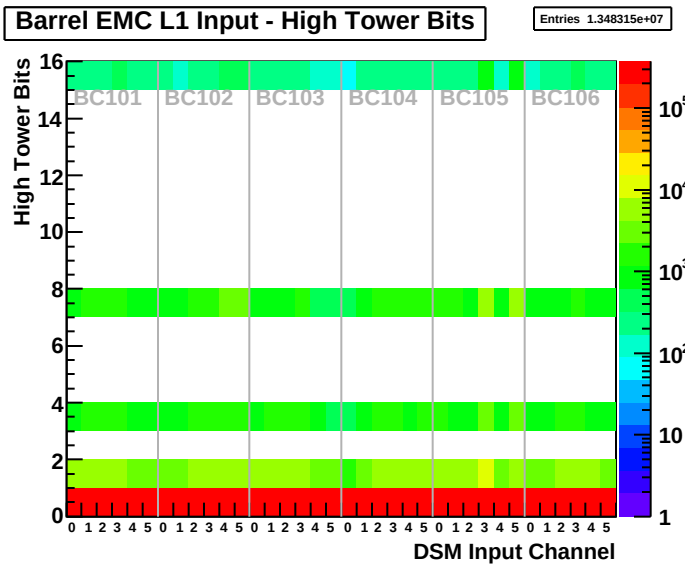
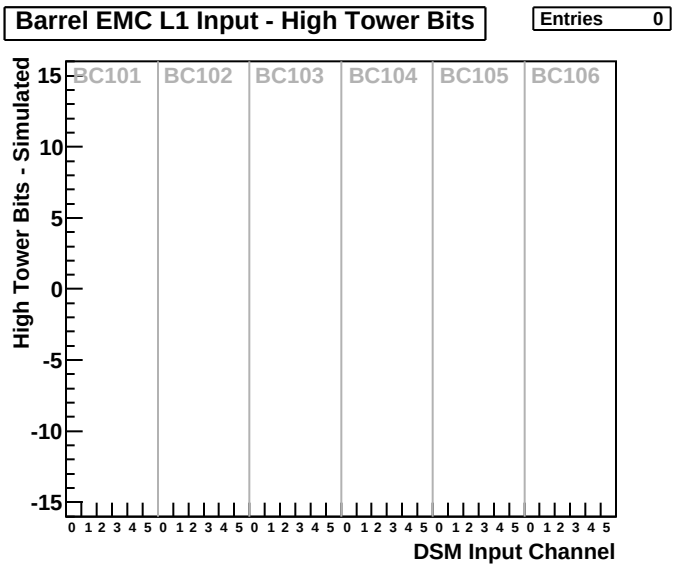

Barrel EMC L1 Input - Low Eta Sum
Entries 1.348315e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

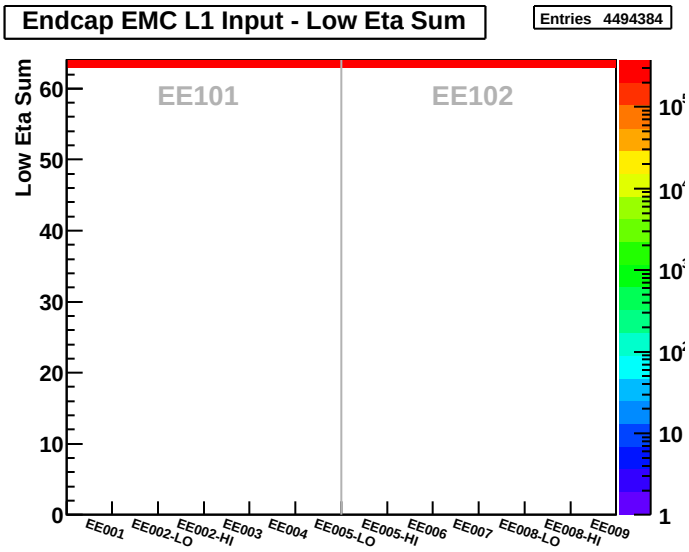

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

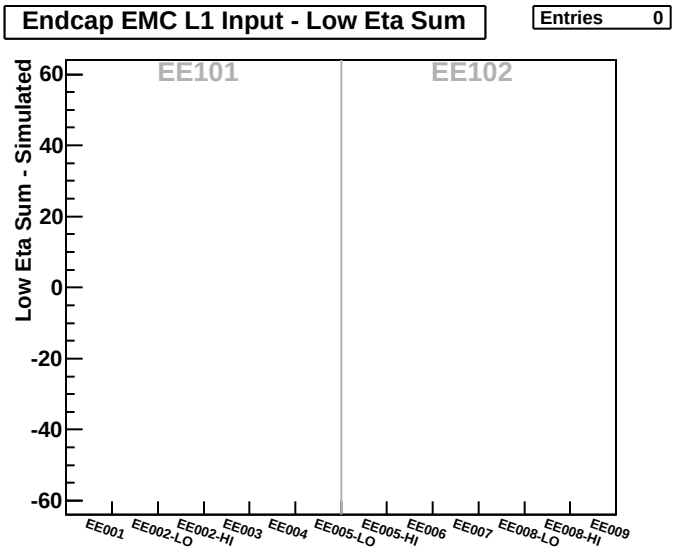

Barrel EMC L1 Input - High Eta Sum
Entries 1.348315e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

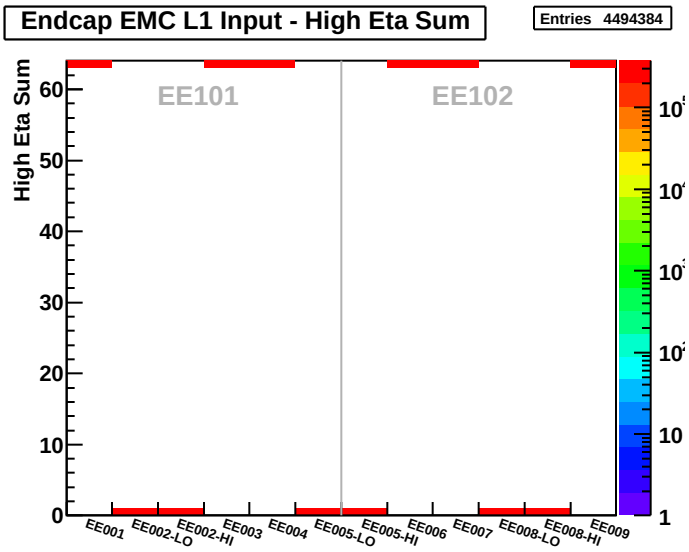

Barrel EMC L1 Input - High Eta Sum
Entries 7
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

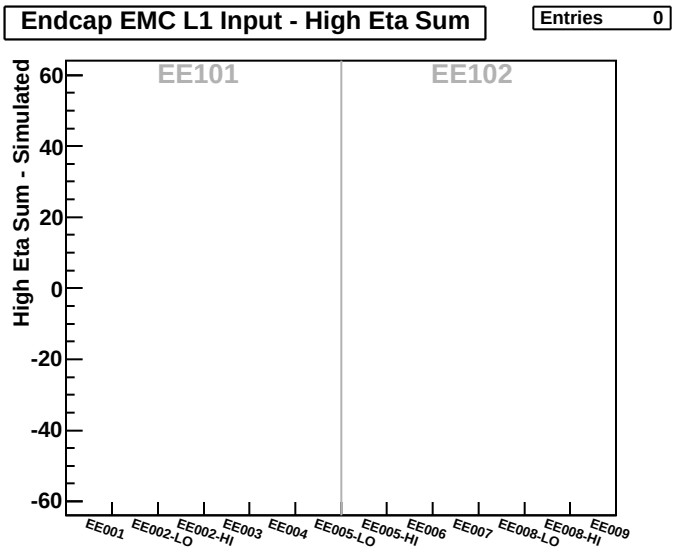

Barrel EMC L1 Input - High Tower Bits
Entries 1.348315e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

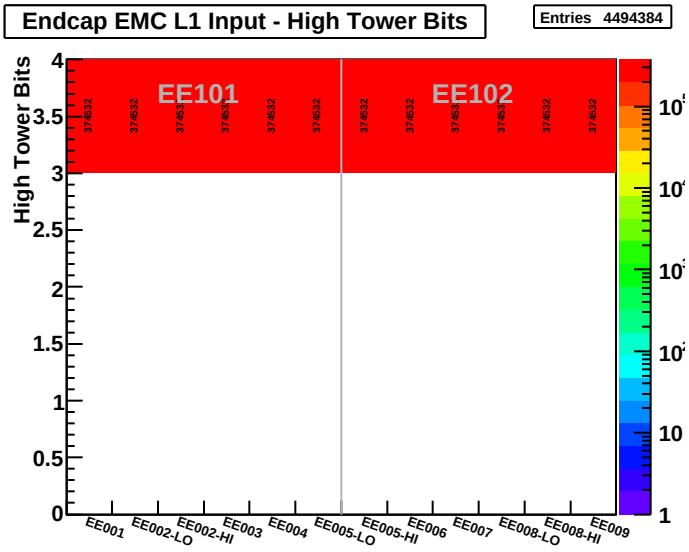

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

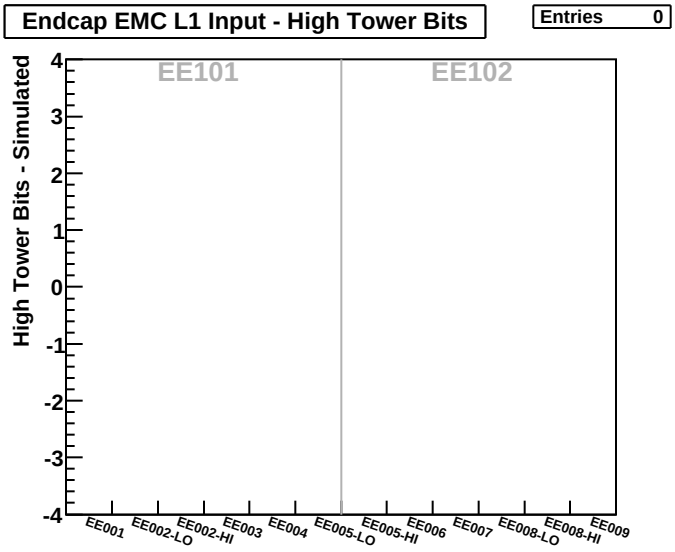

Endcap EMC L1 Input - Low Eta Sum
Entries 4494384
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

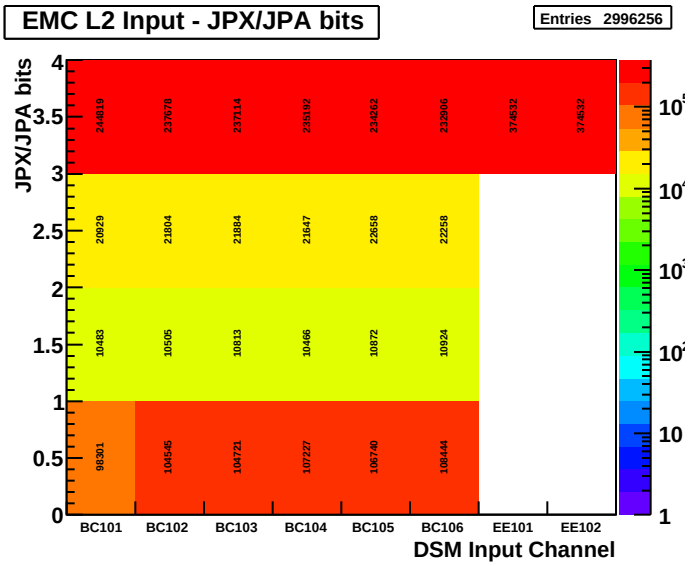

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

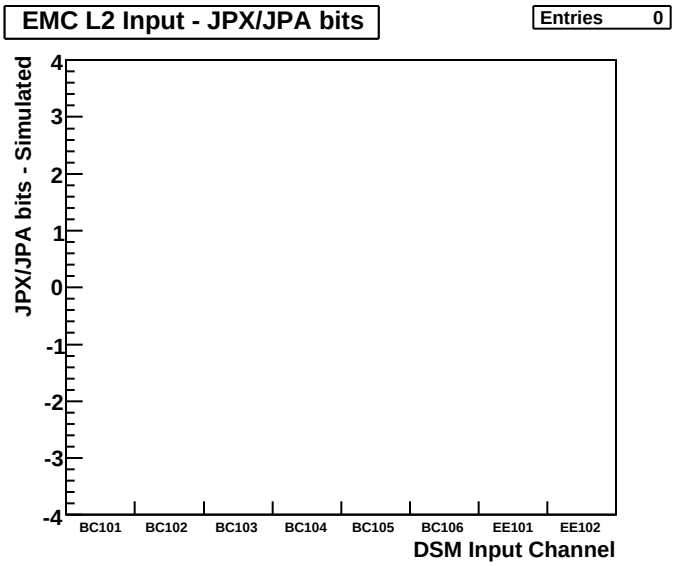

Endcap EMC L1 Input - High Eta Sum
Entries 4494384
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

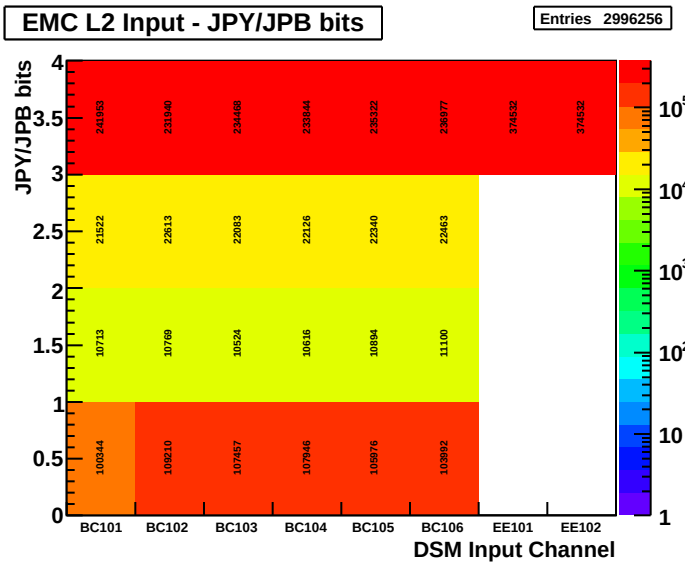

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

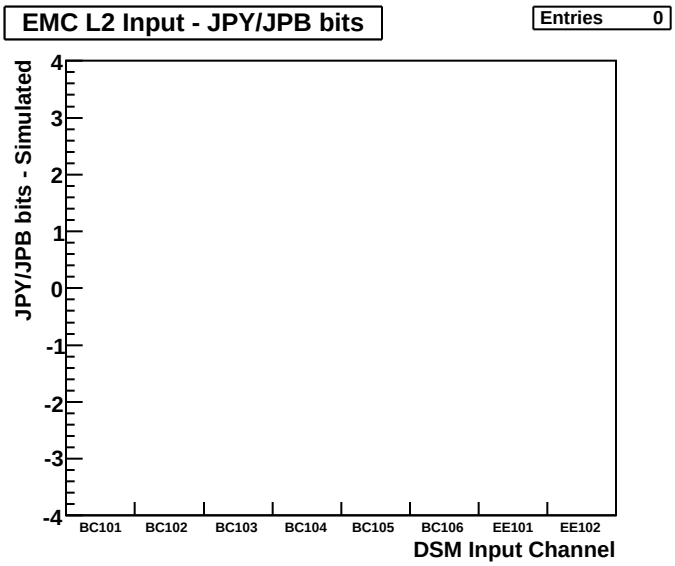

Endcap EMC L1 Input - High Tower Bits
Entries 4494384
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

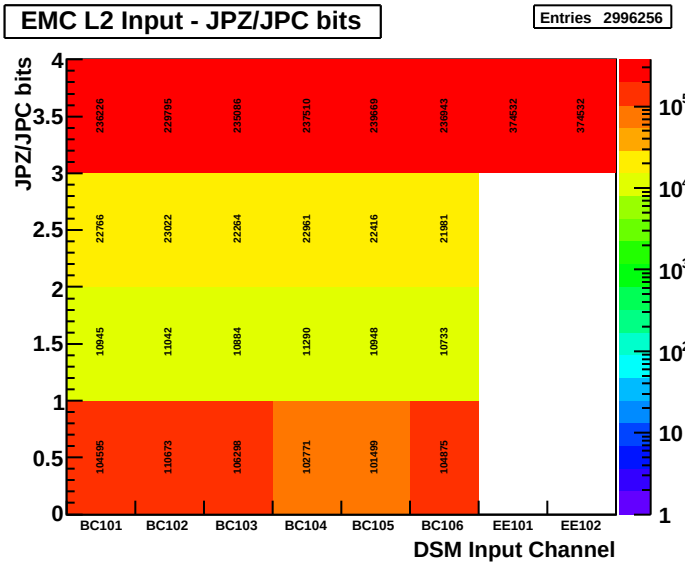

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

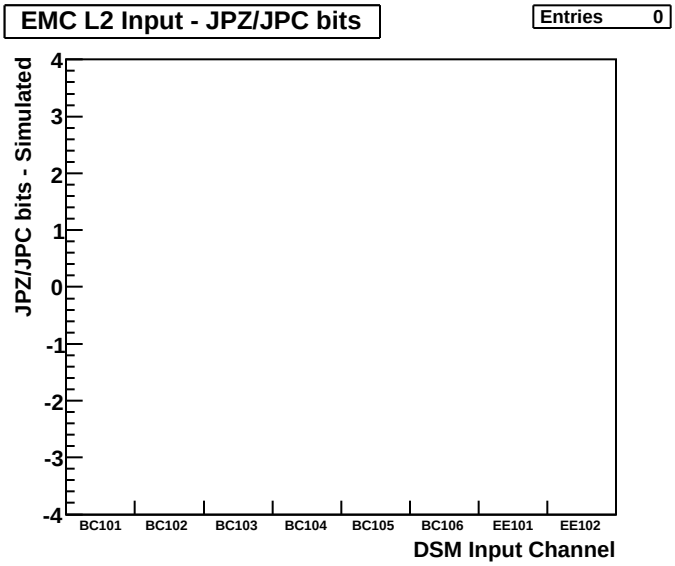

EMC L2 Input - JPX/JPA bits
Entries 2996256
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
244819 237678 237114 235192 234262 232906 374532 374532
20929 21804 21884 21647 22658 22258
10483 10505 10813 10466 10872 10924
98301 104545 104721 107227 106740 108444

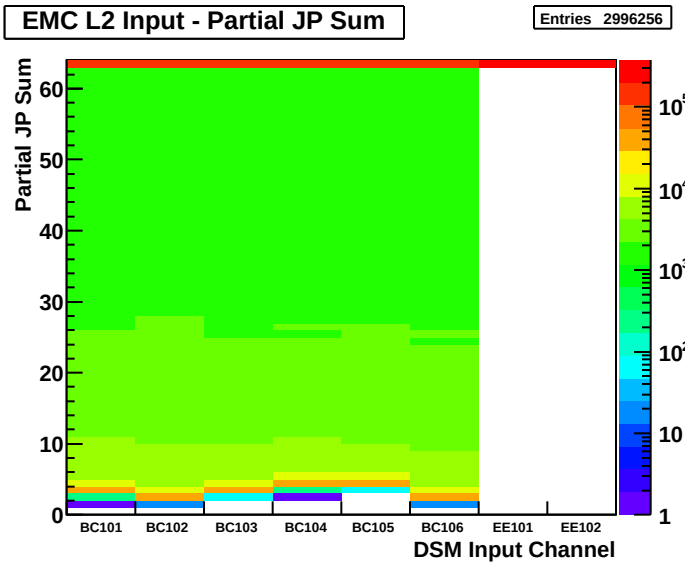

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

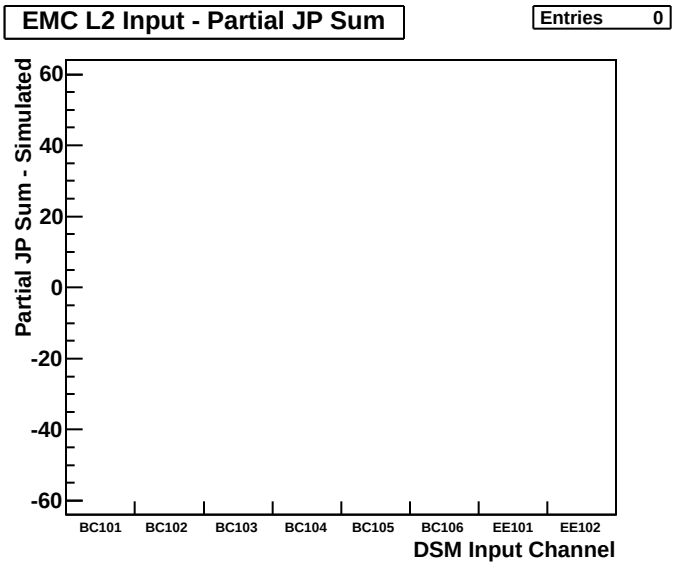

EMC L2 Input - JPY/JPB bits
Entries 2996256
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
241953 231940 234468 233844 235322 236977 374532 374532
21522 22613 22083 22126 22340 22463
10713 10769 10524 10616 10894 11100
100344 109210 107457 107946 105976 103992

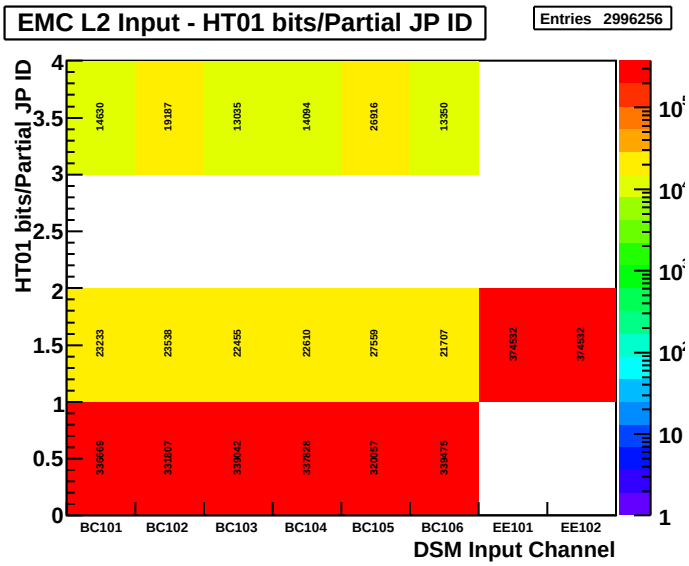

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

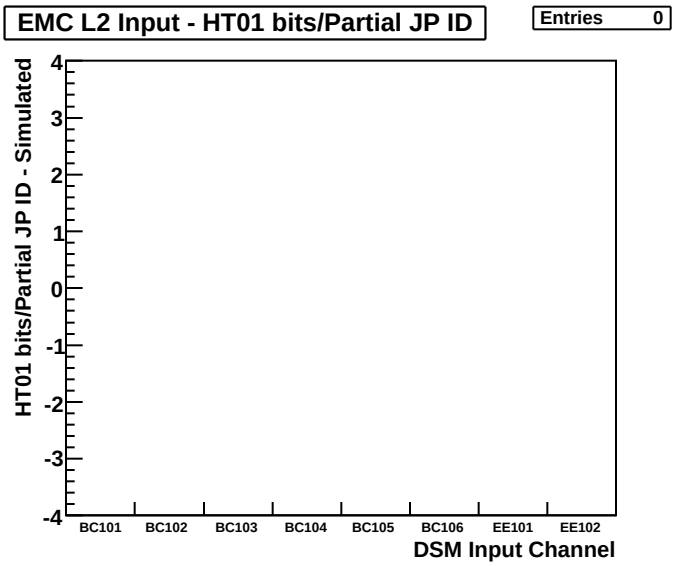

EMC L2 Input - JPZ/JPC bits
Entries 2996256
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
238226 229795 235086 237510 239669 239943 374532 374532
22766 23022 22264 22961 22416 21981
10945 11042 10884 11290 10948 10733
104595 110673 106298 102771 101499 104875

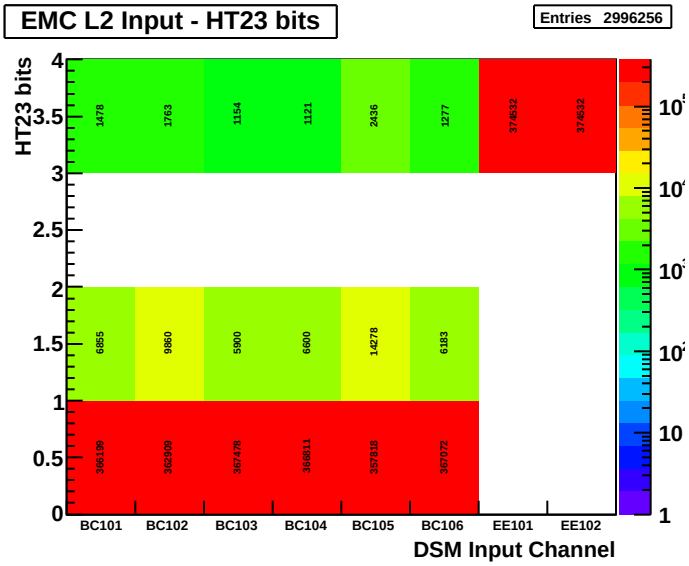

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

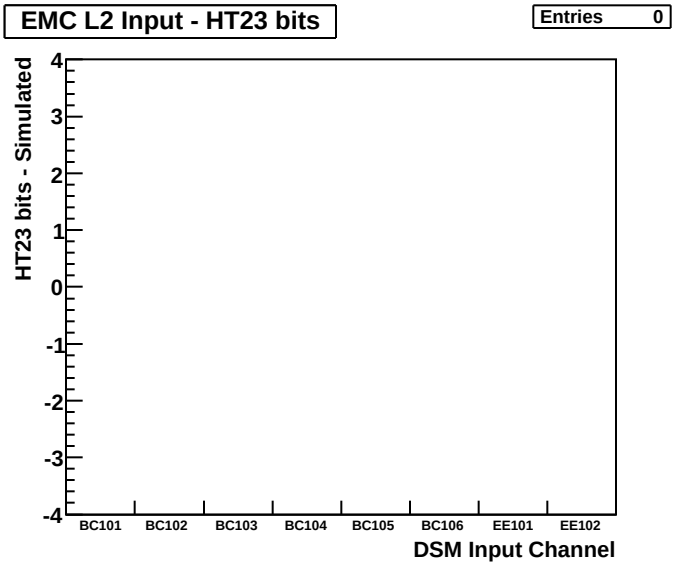

EMC L2 Input - Partial JP Sum
Entries 2996256
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

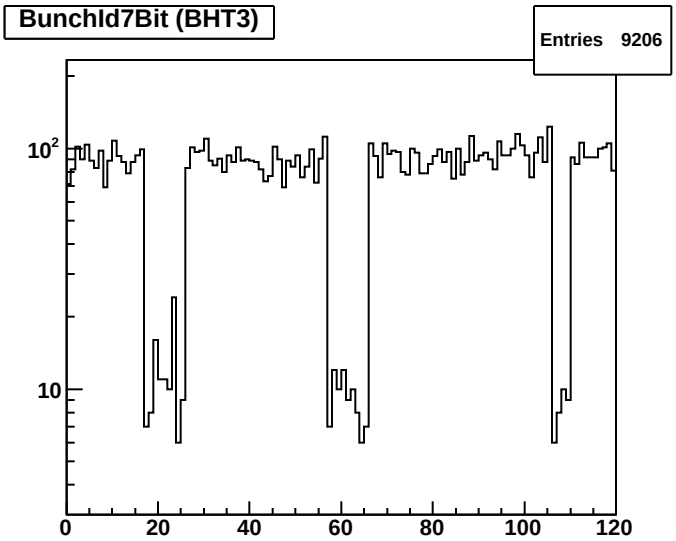

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

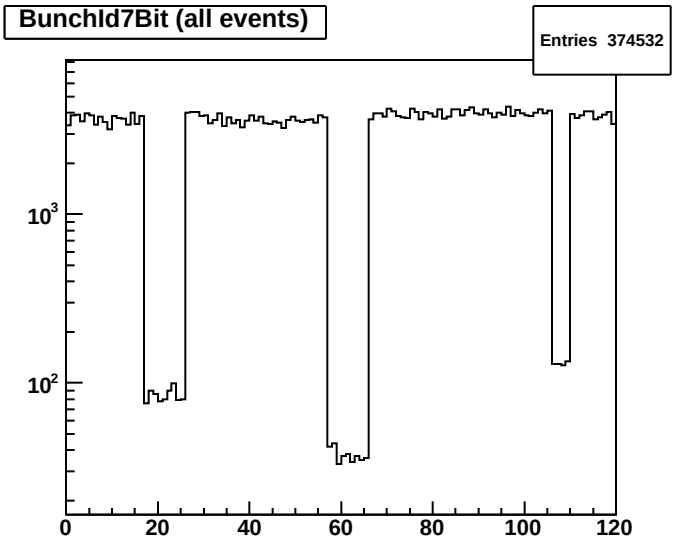

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2996256
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

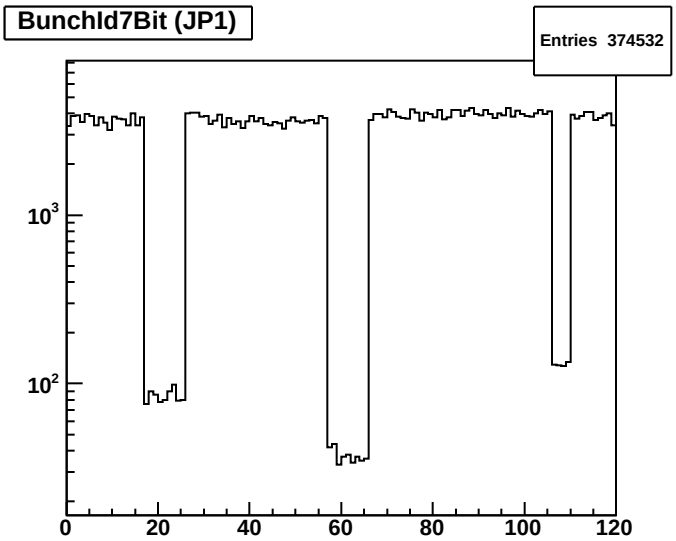

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

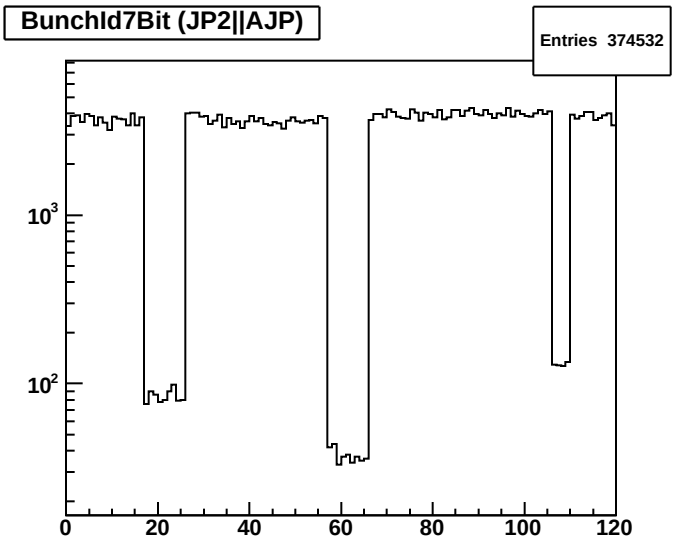

EMC L2 Input - HT23 bits
Entries 2996256
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

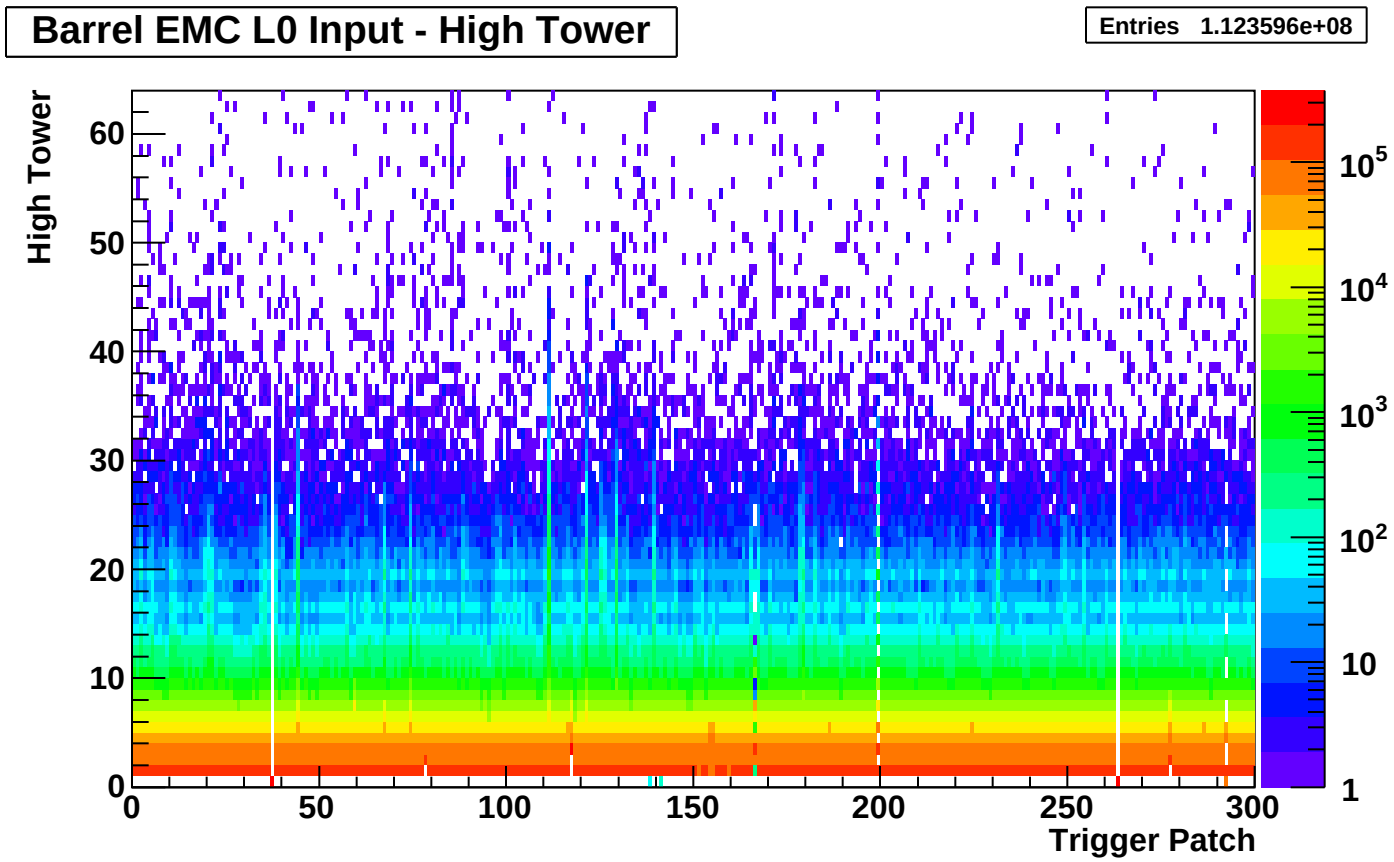

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

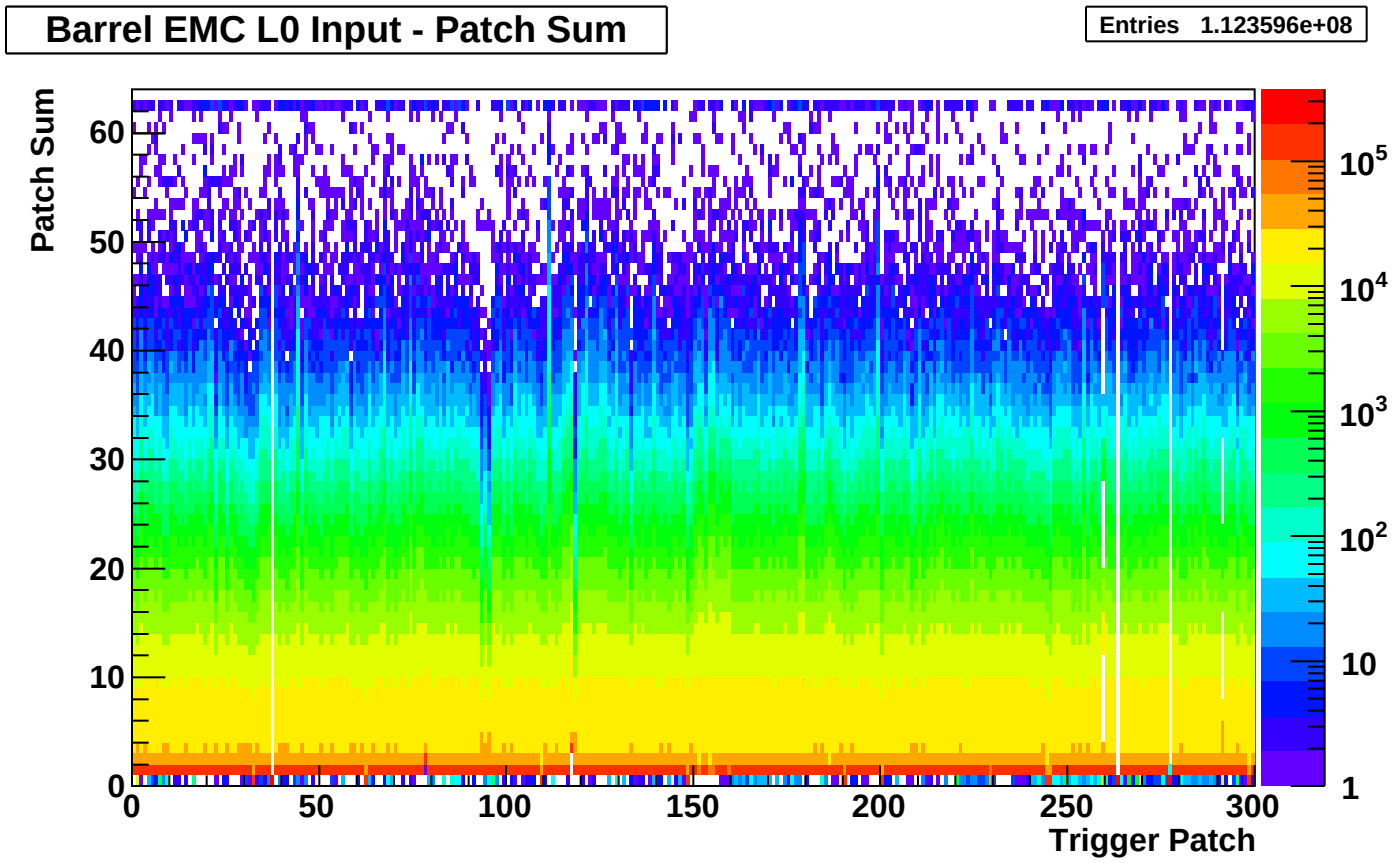

BunchId7Bit (BHT3)
Entries 9206
10^2
10
0
20
40
60
80
100
120

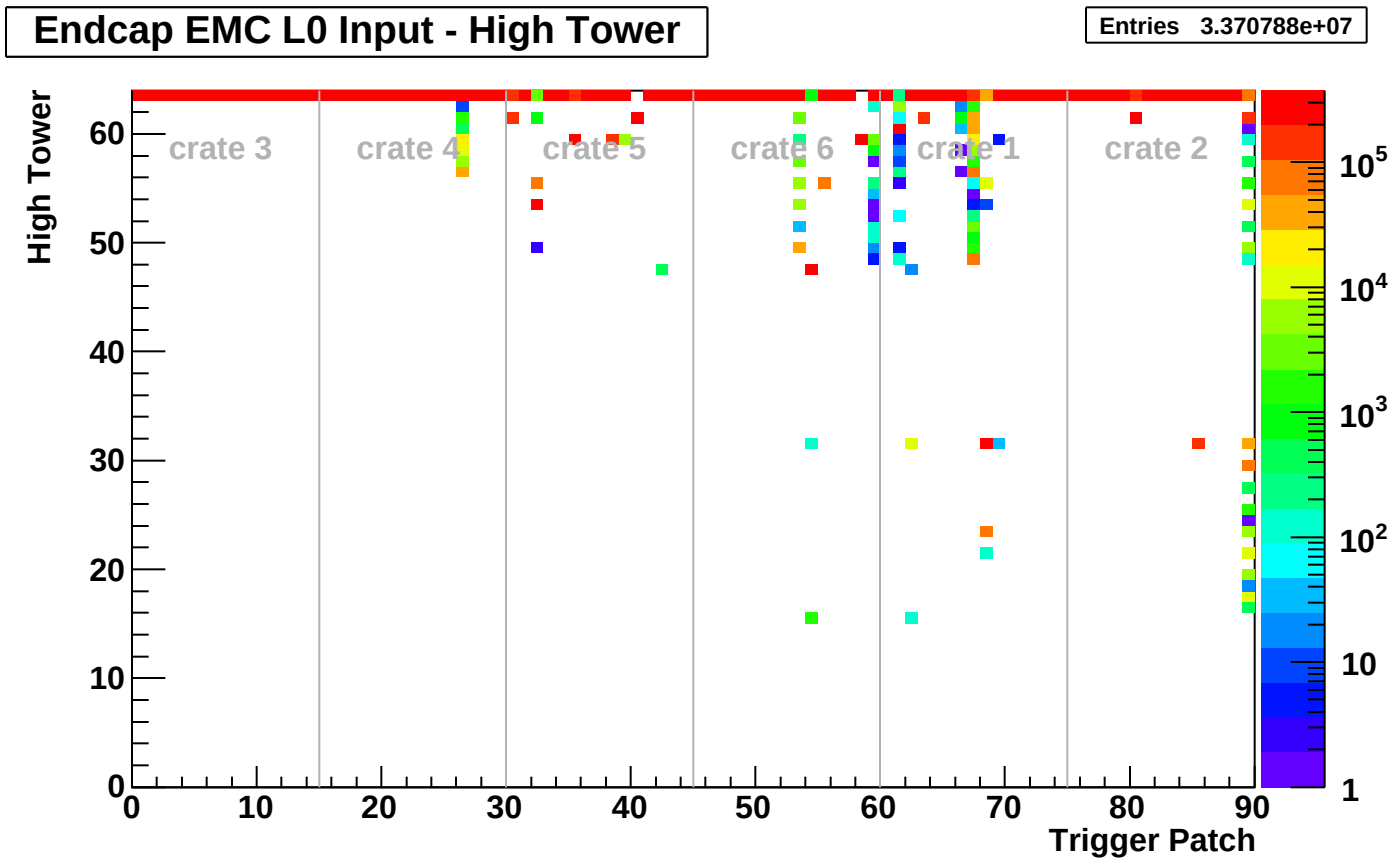

BunchId7Bit (all events)
Entries 374532
10^3
10^2
0
20
40
60
80
100
120

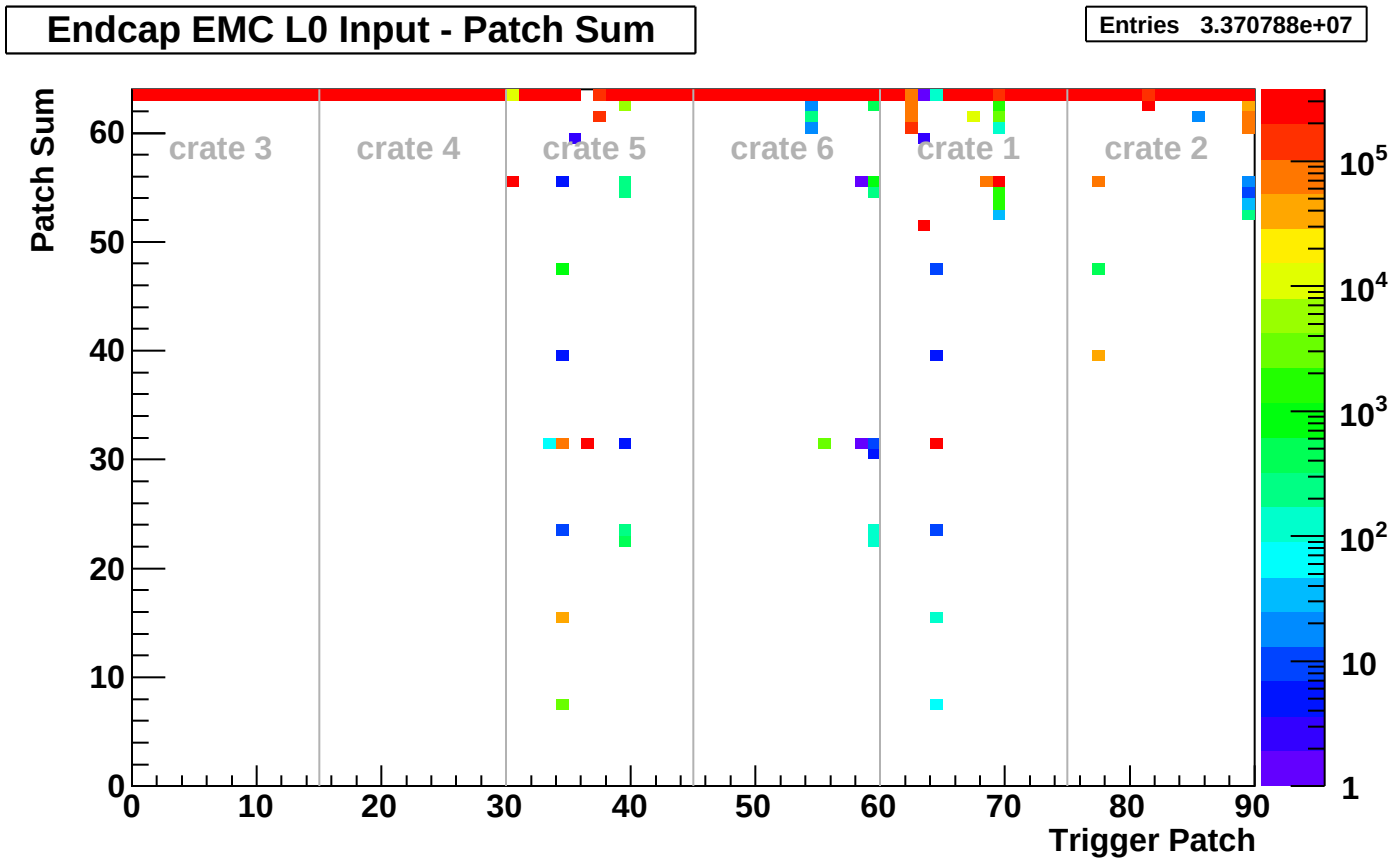

BunchId7Bit (JP1)
Entries 374532
10^3
10^2
0
20
40
60
80
100
120

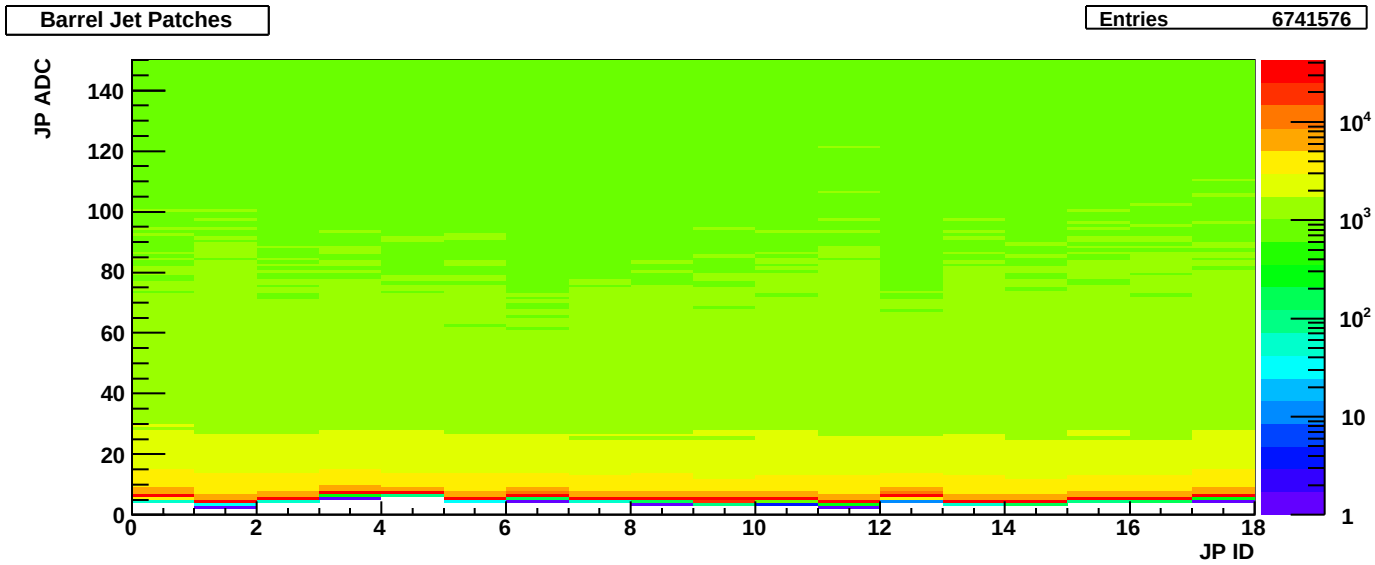

BunchId7Bit (JP2||AJP)
Entries 374532
10^3
10^2
0
20
40
60
80
100
120

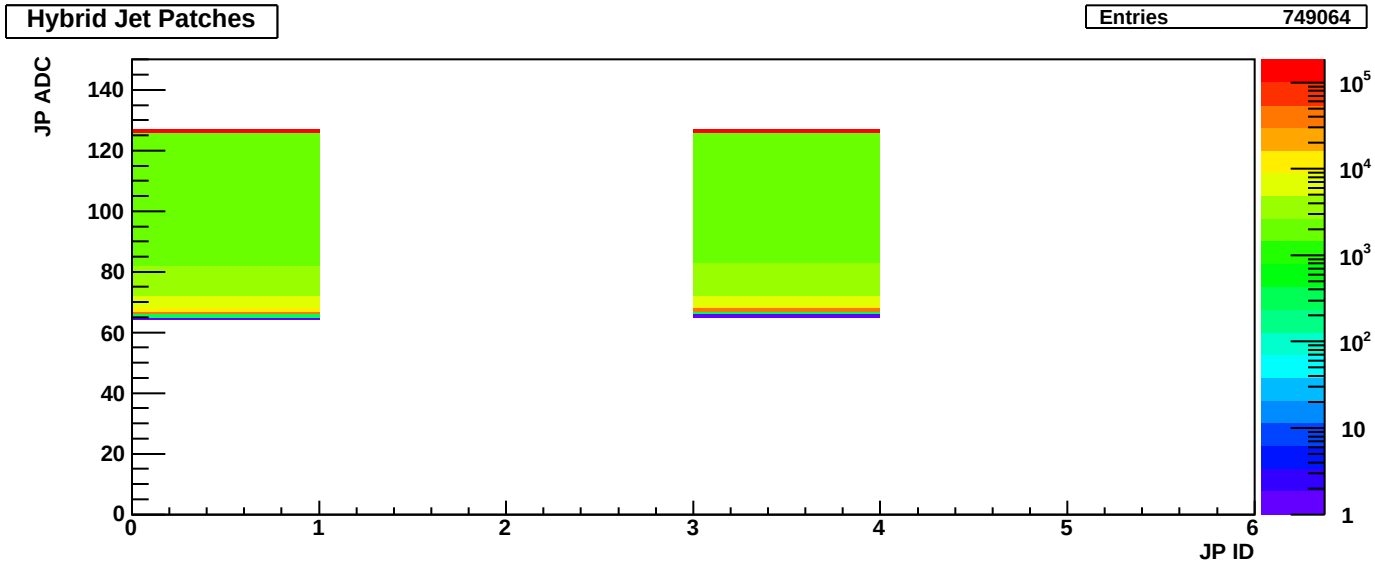

Barrel EMC L0 Input - High Tower
Entries 1.123596e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

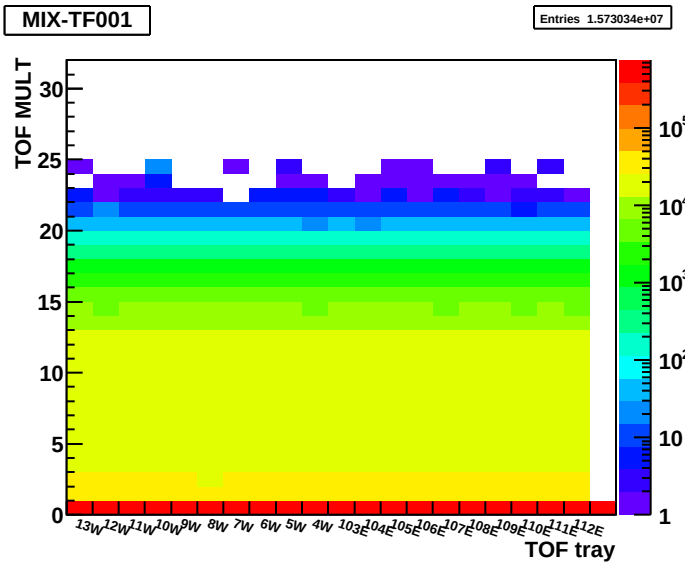

Barrel EMC L0 Input - Patch Sum
Entries 1.123596e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

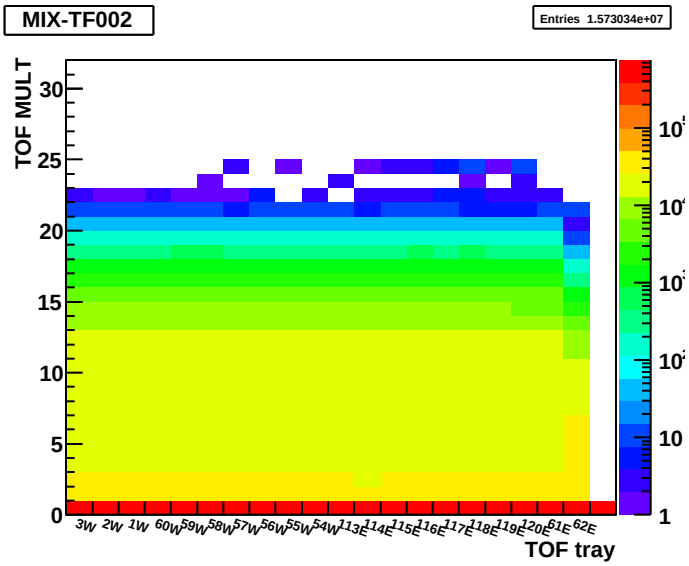

Endcap EMC L0 Input - High Tower
Entries 3.370788e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

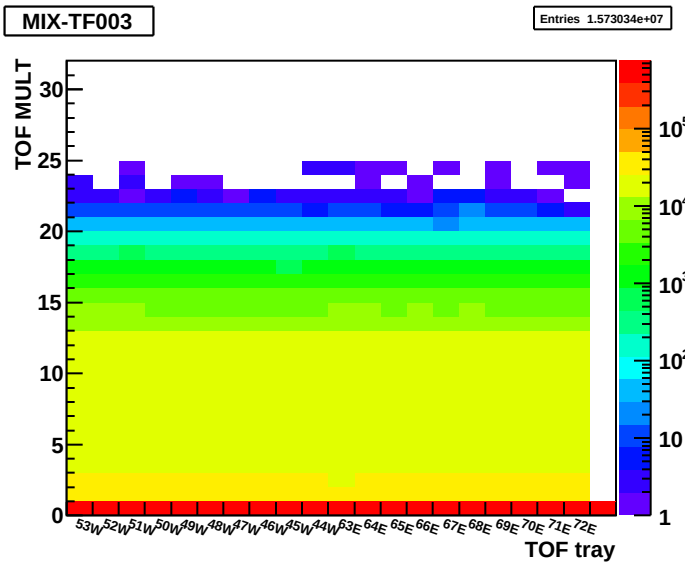

Endcap EMC L0 Input - Patch Sum
Entries 3.370788e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

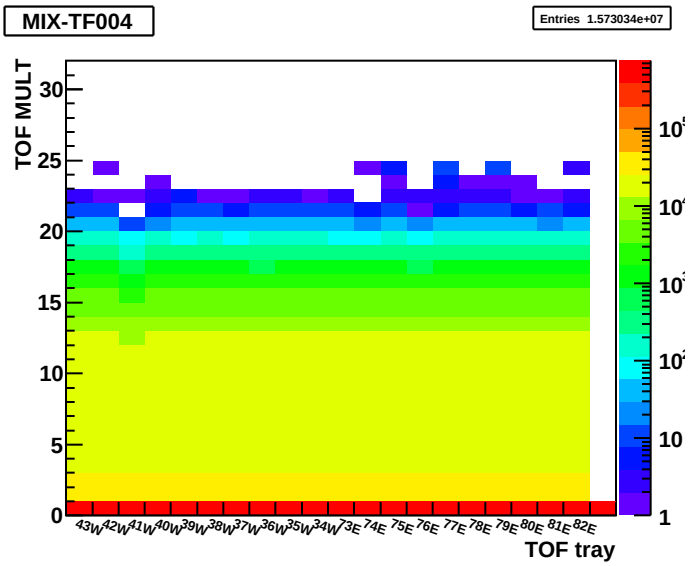

Barrel Jet Patches
Entries 6741576
JP ADC
JP ID

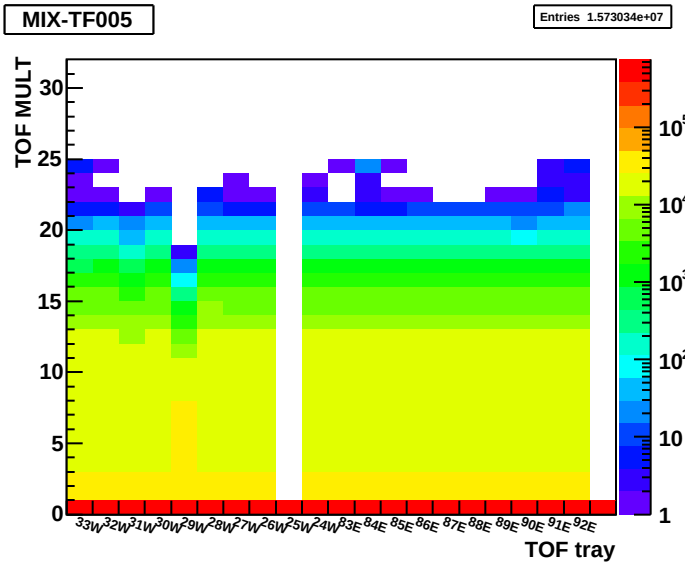

Hybrid Jet Patches
Entries 749064
JP ADC
JP ID

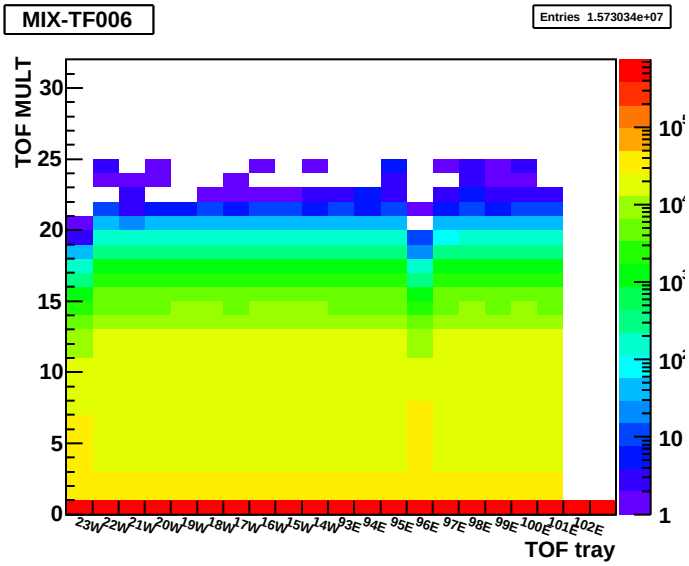

MIX-TF001
Entries 1.573034e+07
TOF MULT
TOF tray

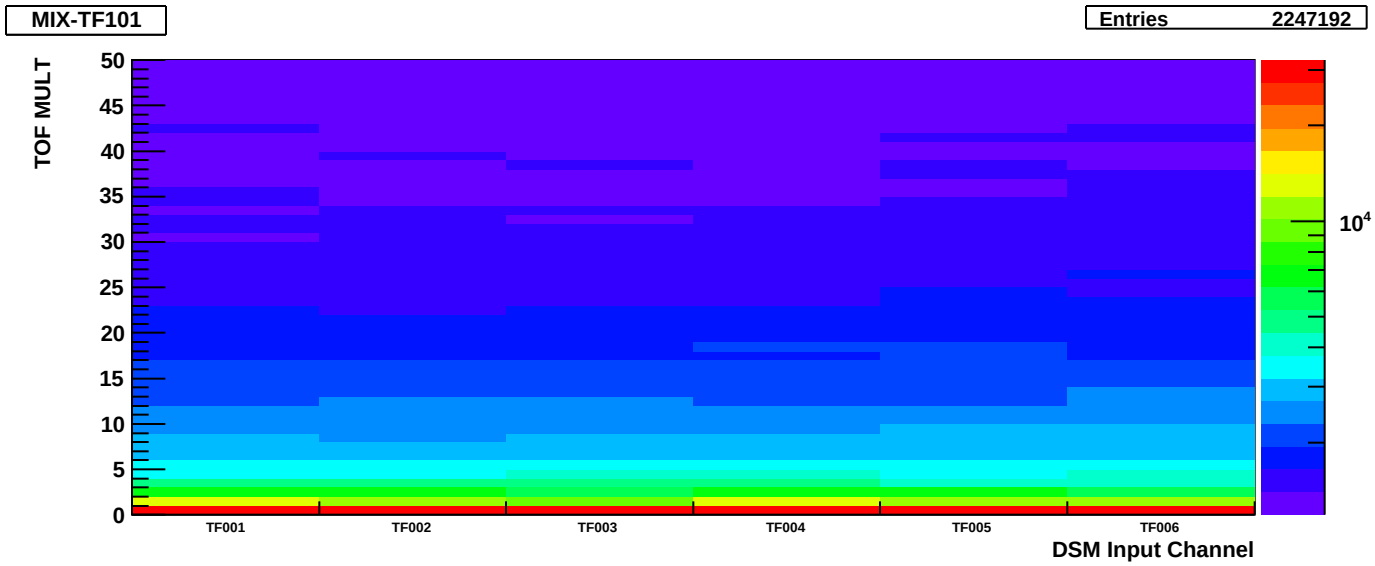

MIX-TF002
Entries 1.573034e+07
TOF MULT
TOF tray

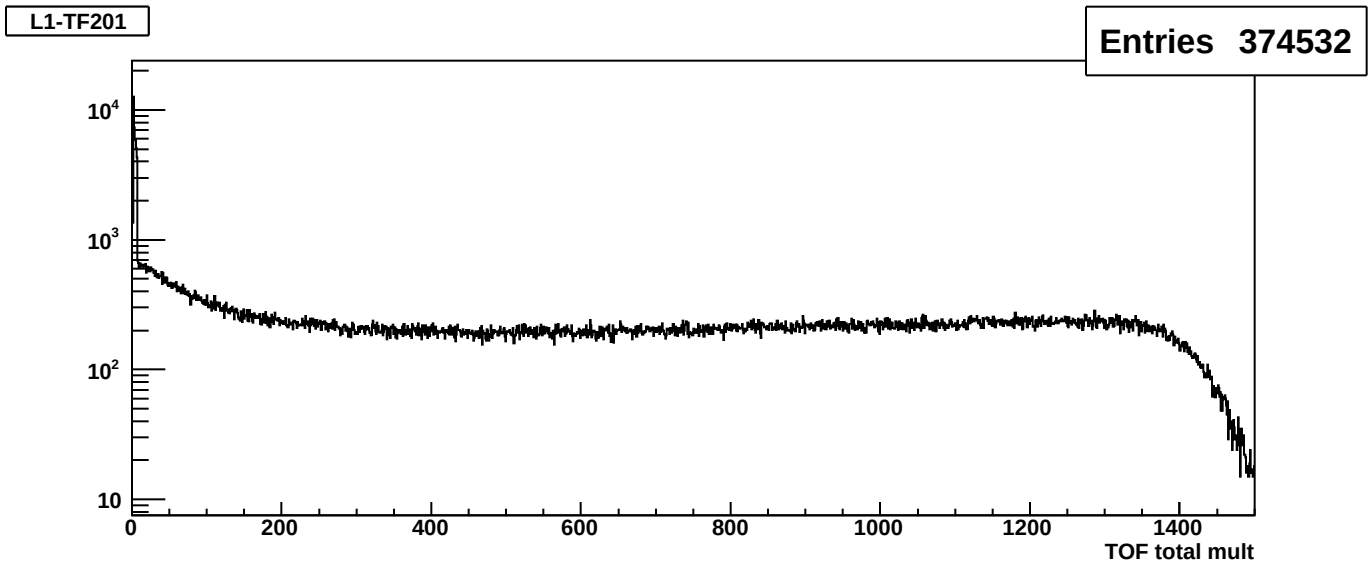

MIX-TF003
Entries 1.573034e+07
TOF MULT
TOF tray

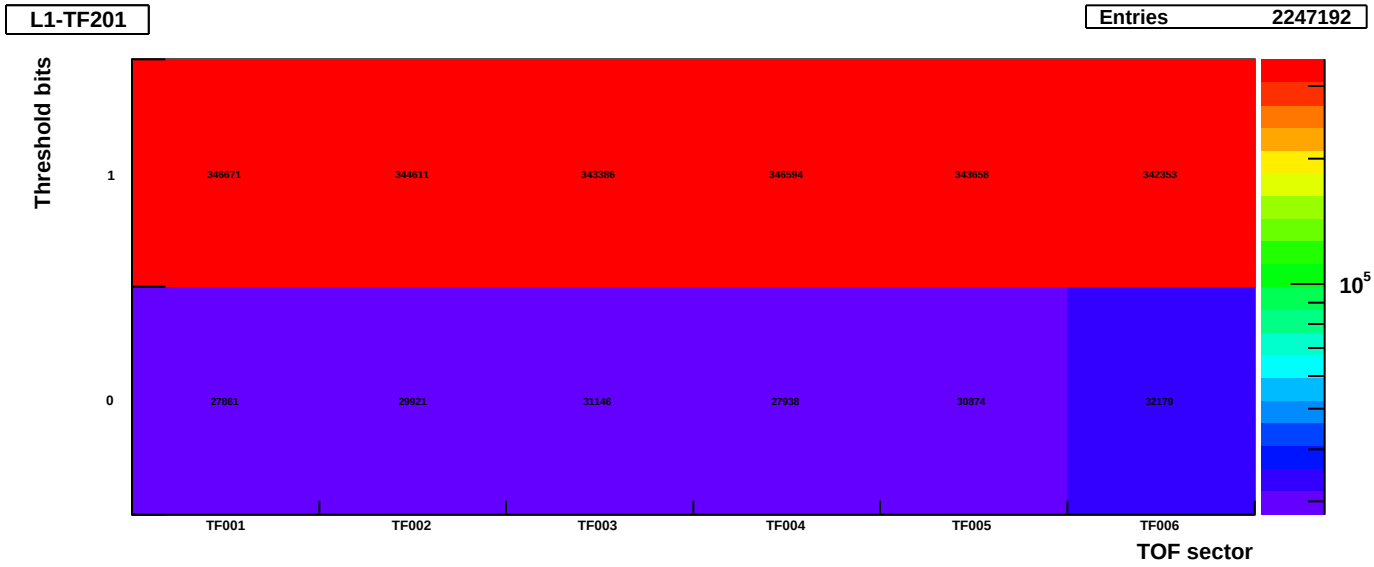

MIX-TF004
Entries 1.573034e+07
TOF MULT
TOF tray

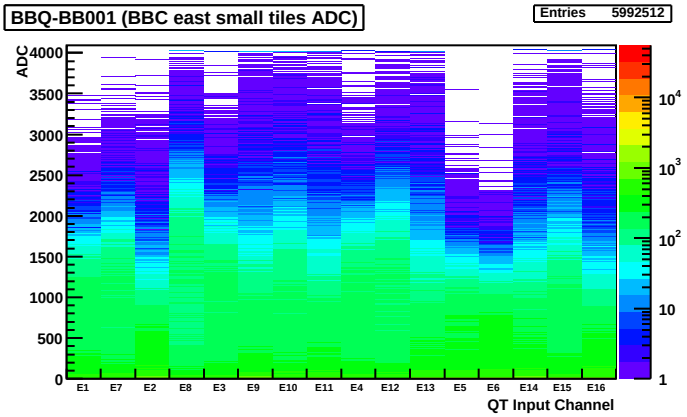

MIX-TF005
Entries 1.573034e+07
TOF MULT
TOF tray

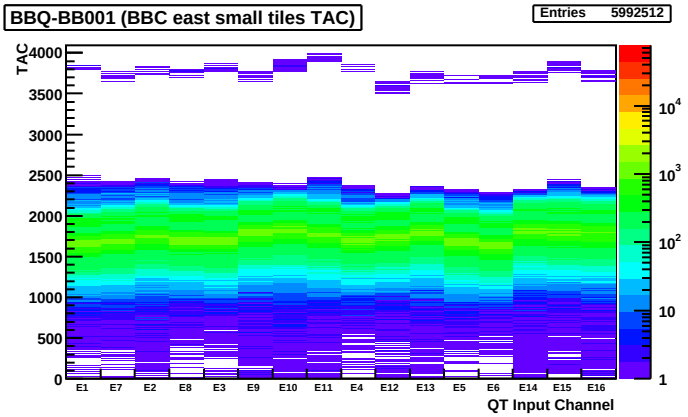

MIX-TF006
Entries 1.573034e+07
TOF MULT
TOF tray

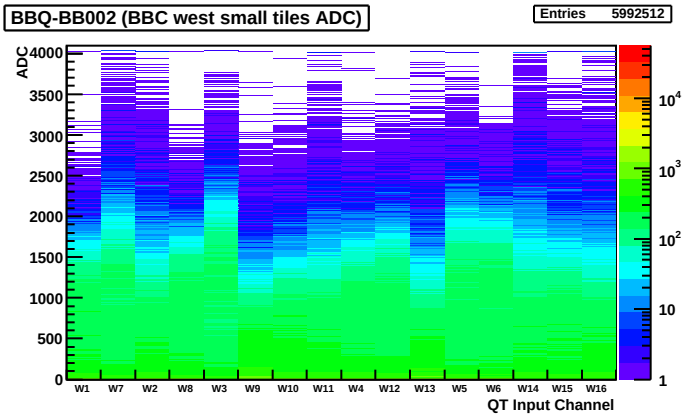

MIX-TF101
Entries 2247192
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

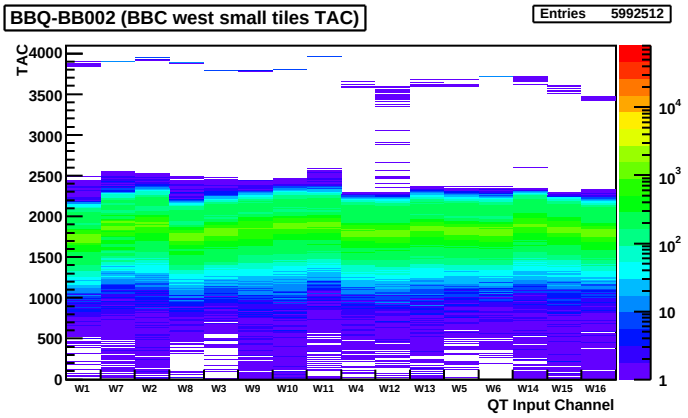

L1-TF201
Entries 374532
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

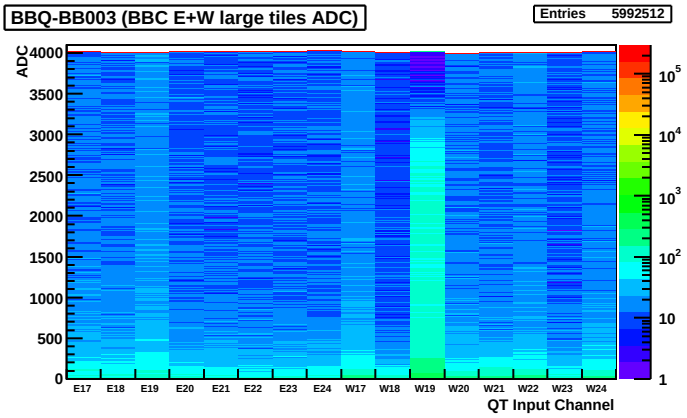

L1-TF201
Entries 2247192
Threshold bits
1
0
346671
344611
343386
346594
343658
342353
27861
29921
31146
27938
30874
32179
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

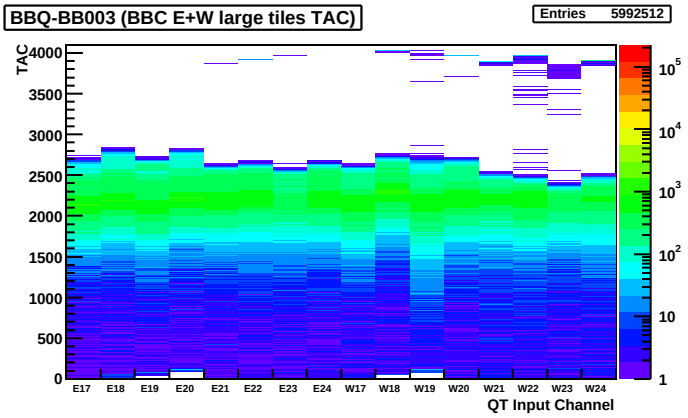

BBQ-BB001 (BBC east small tiles ADC)
Entries 5992512
ADC
QT Input Channel

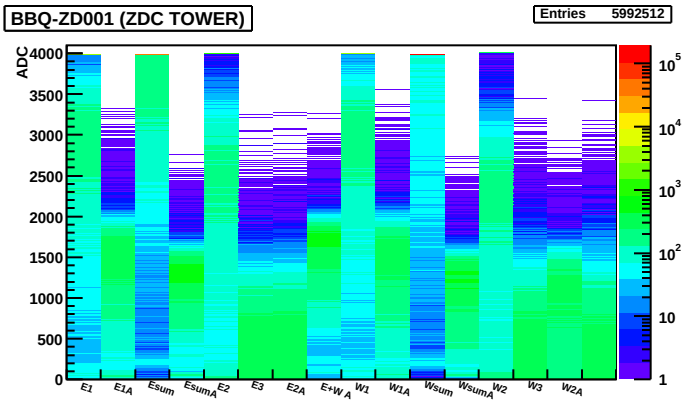

BBQ-BB001 (BBC east small tiles TAC)
Entries 5992512
TAC
QT Input Channel

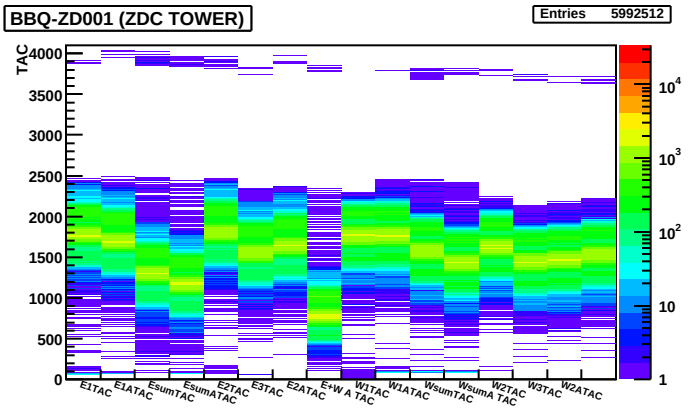

BBQ-BB002 (BBC west small tiles ADC)
Entries 5992512
ADC
QT Input Channel

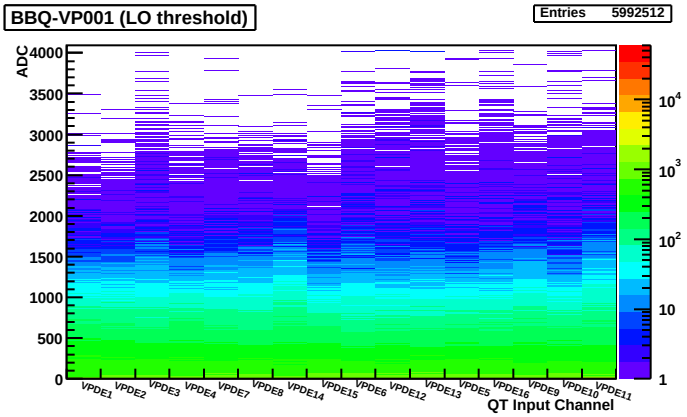

BBQ-BB002 (BBC west small tiles TAC)
Entries 5992512
TAC
QT Input Channel

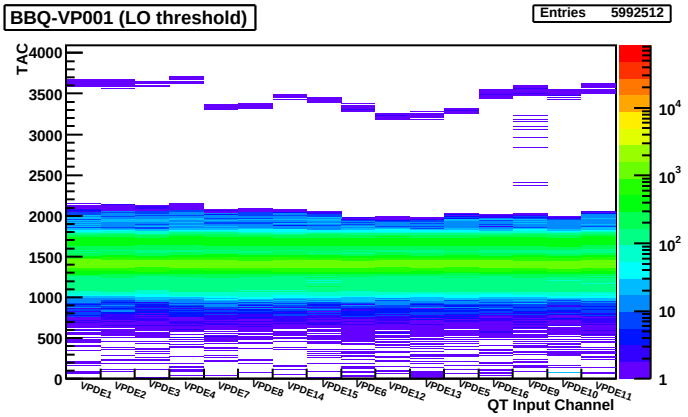

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5992512
ADC
QT Input Channel

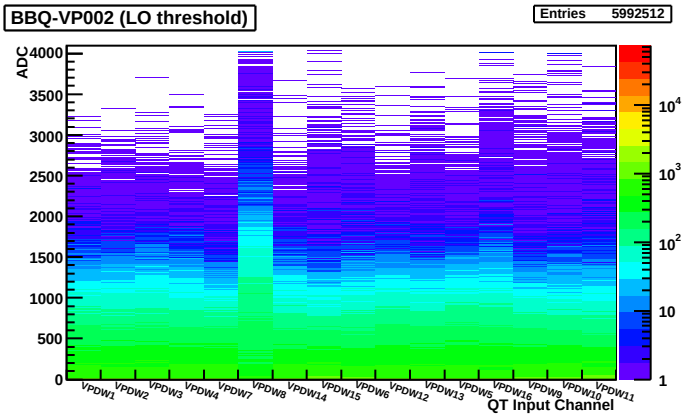

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5992512
TAC
QT Input Channel

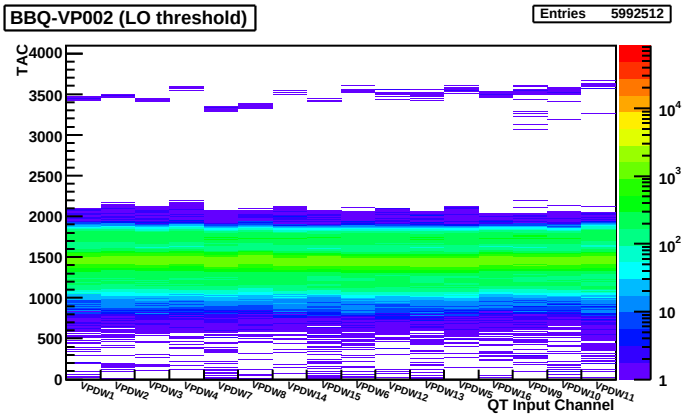

BBQ-ZD001 (ZDC TOWER)
Entries 5992512
ADC

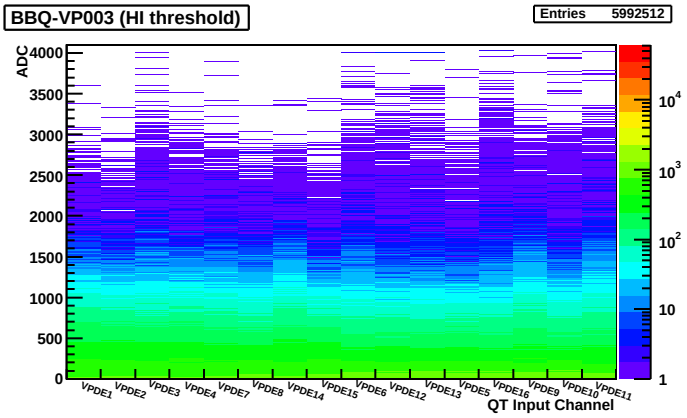

BBQ-ZD001 (ZDC TOWER)
Entries 5992512
TAC

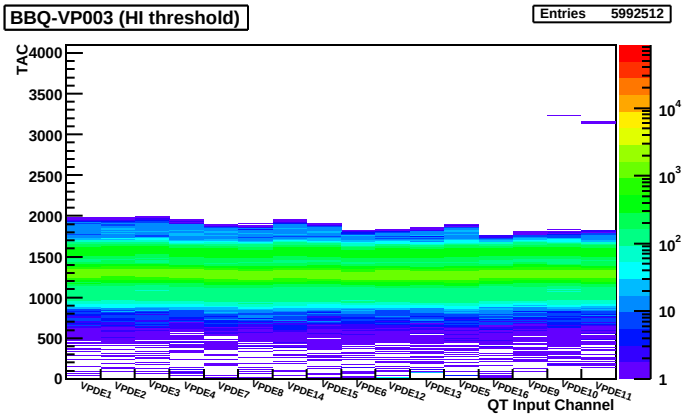

BBQ-VP001 (LO threshold)
Entries 5992512
ADC
QT Input Channel

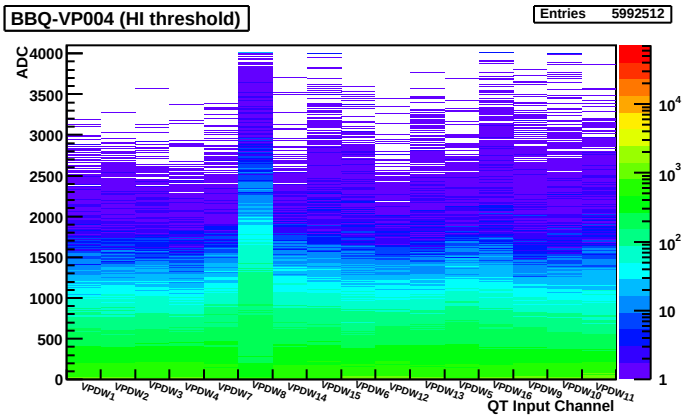

BBQ-VP001 (LO threshold)
Entries 5992512
TAC
QT Input Channel

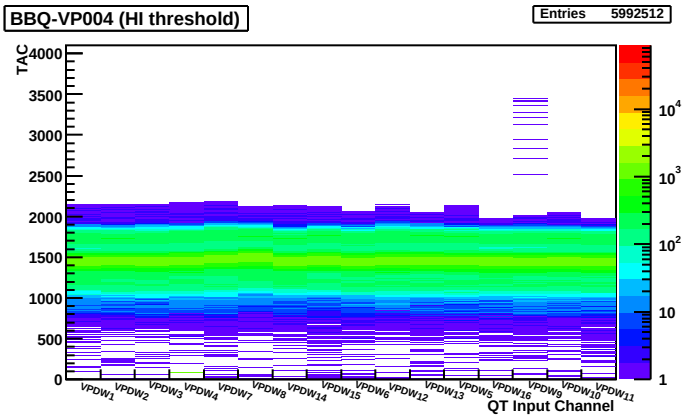

BBQ-VP002 (LO threshold)
Entries 5992512
ADC
QT Input Channel

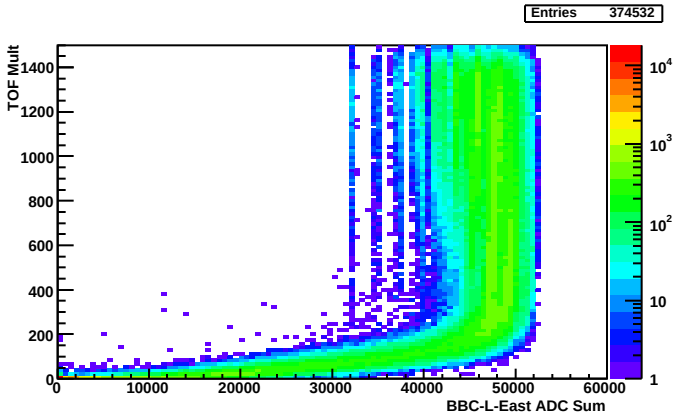

BBQ-VP002 (LO threshold)
Entries 5992512
TAC
QT Input Channel

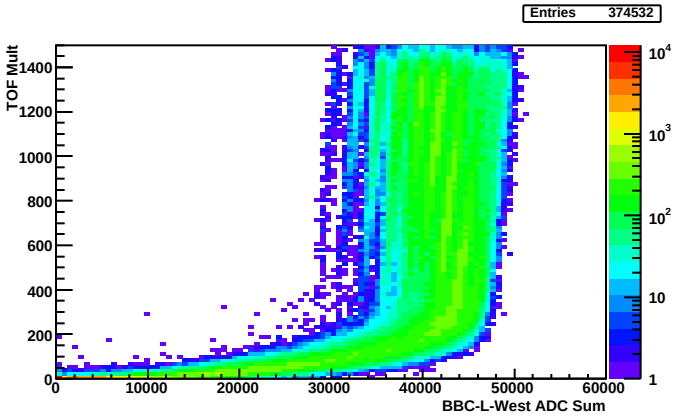

BBQ-VP003 (HI threshold)
Entries 5992512
ADC
QT Input Channel

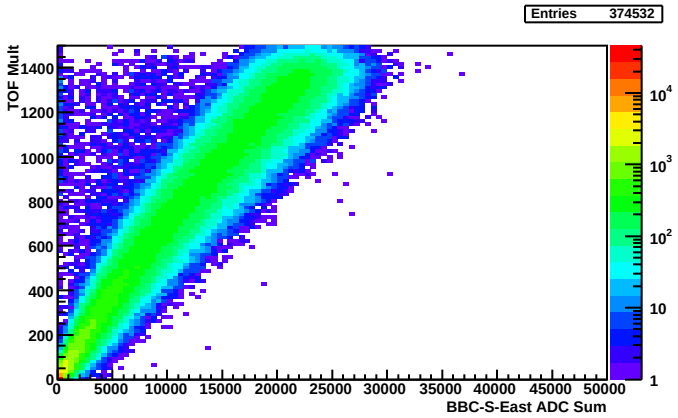

BBQ-VP003 (HI threshold)
Entries 5992512
TAC
QT Input Channel

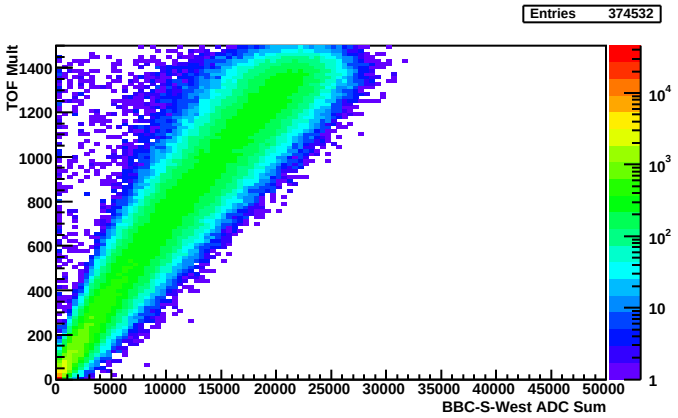

BBQ-VP004 (HI threshold)
Entries 5992512
ADC
QT Input Channel

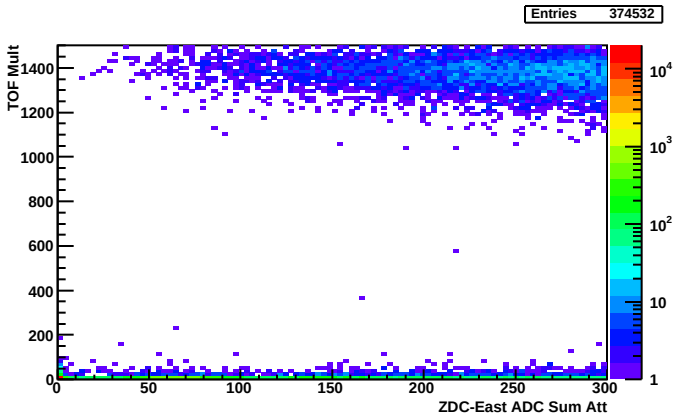

BBQ-VP004 (HI threshold)
Entries 5992512
TAC
QT Input Channel

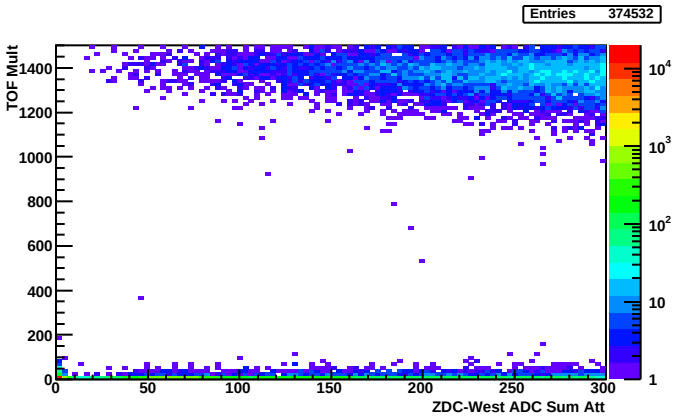

Entries 374532
TOF Mult
BBC-L-East ADC Sum

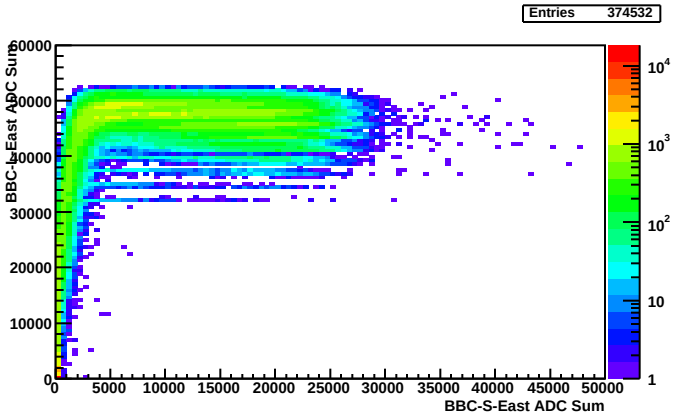

Entries 374532
TOF Mult
BBC-L-West ADC Sum

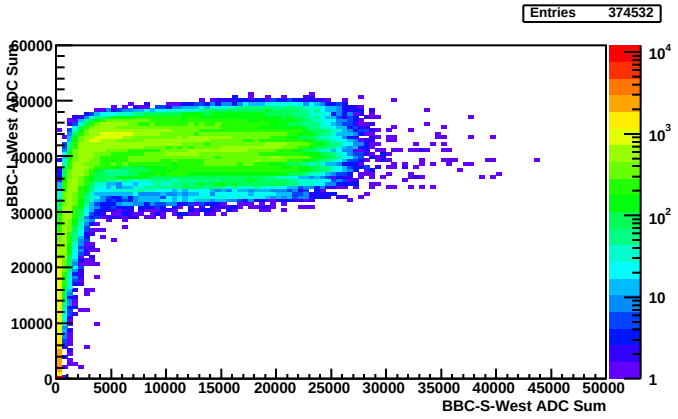

Entries 374532
TOF Mult
BBC-S-East ADC Sum

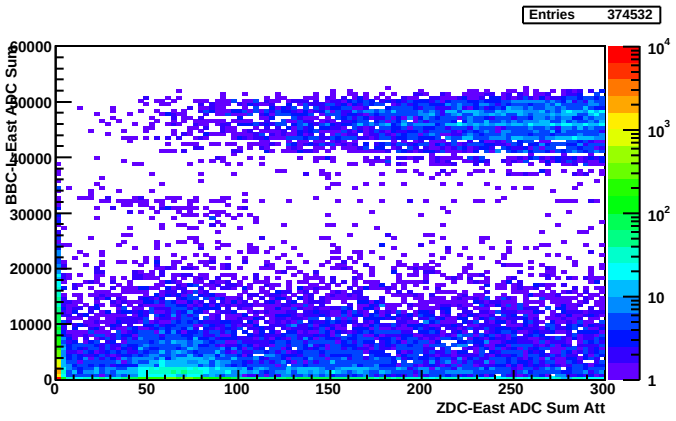

Entries 374532
TOF Mult
BBC-S-West ADC Sum

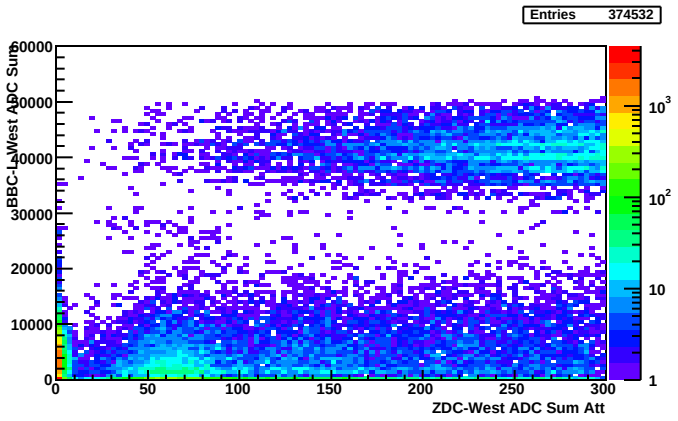

Entries 374532
TOF Mult
ZDC-East ADC Sum Att


Entries 374532
TOF Mult
ZDC-West ADC Sum Att


Entries 374532
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 374532
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 374532
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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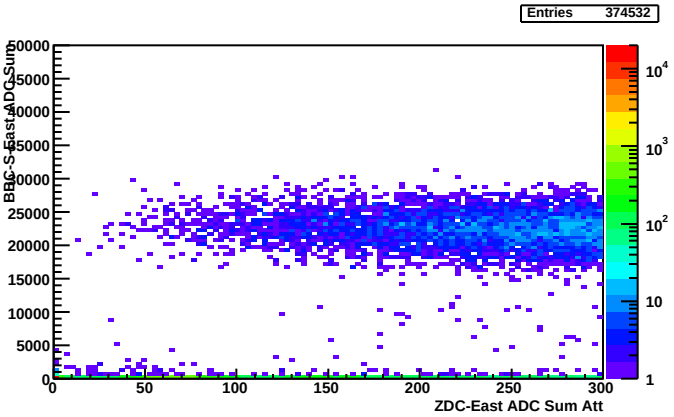
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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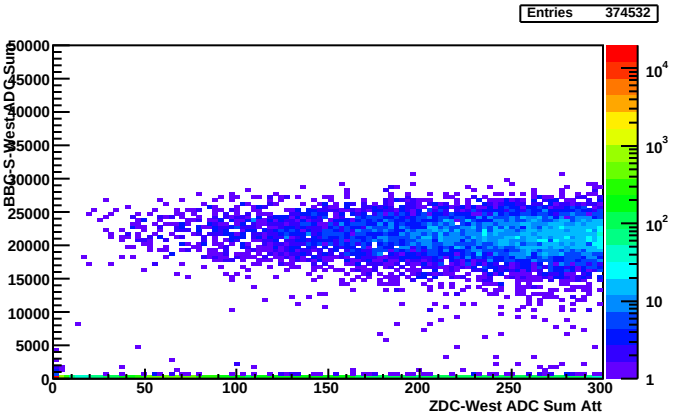
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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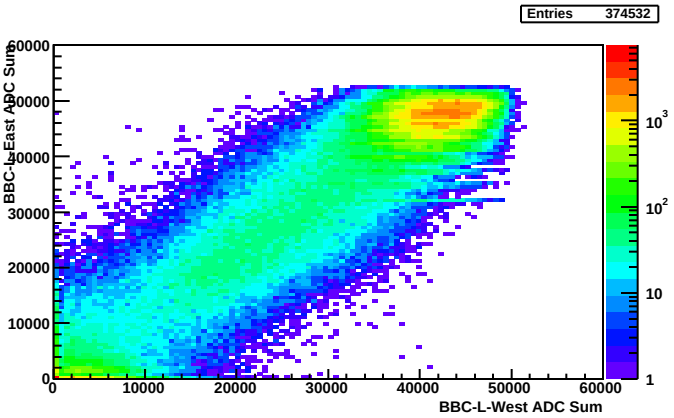
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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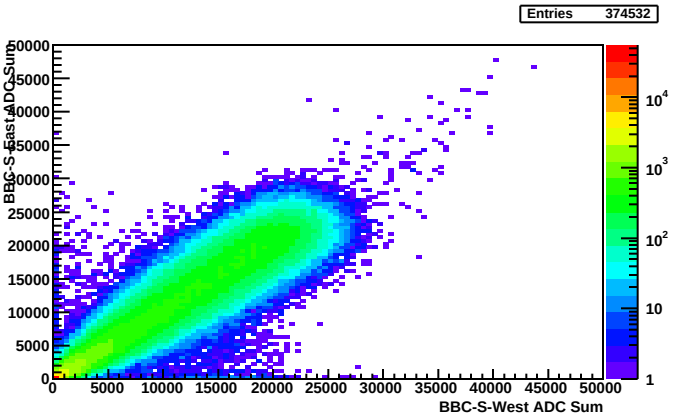
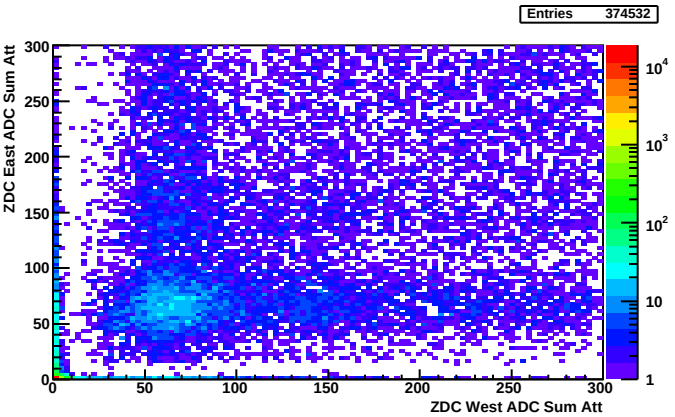
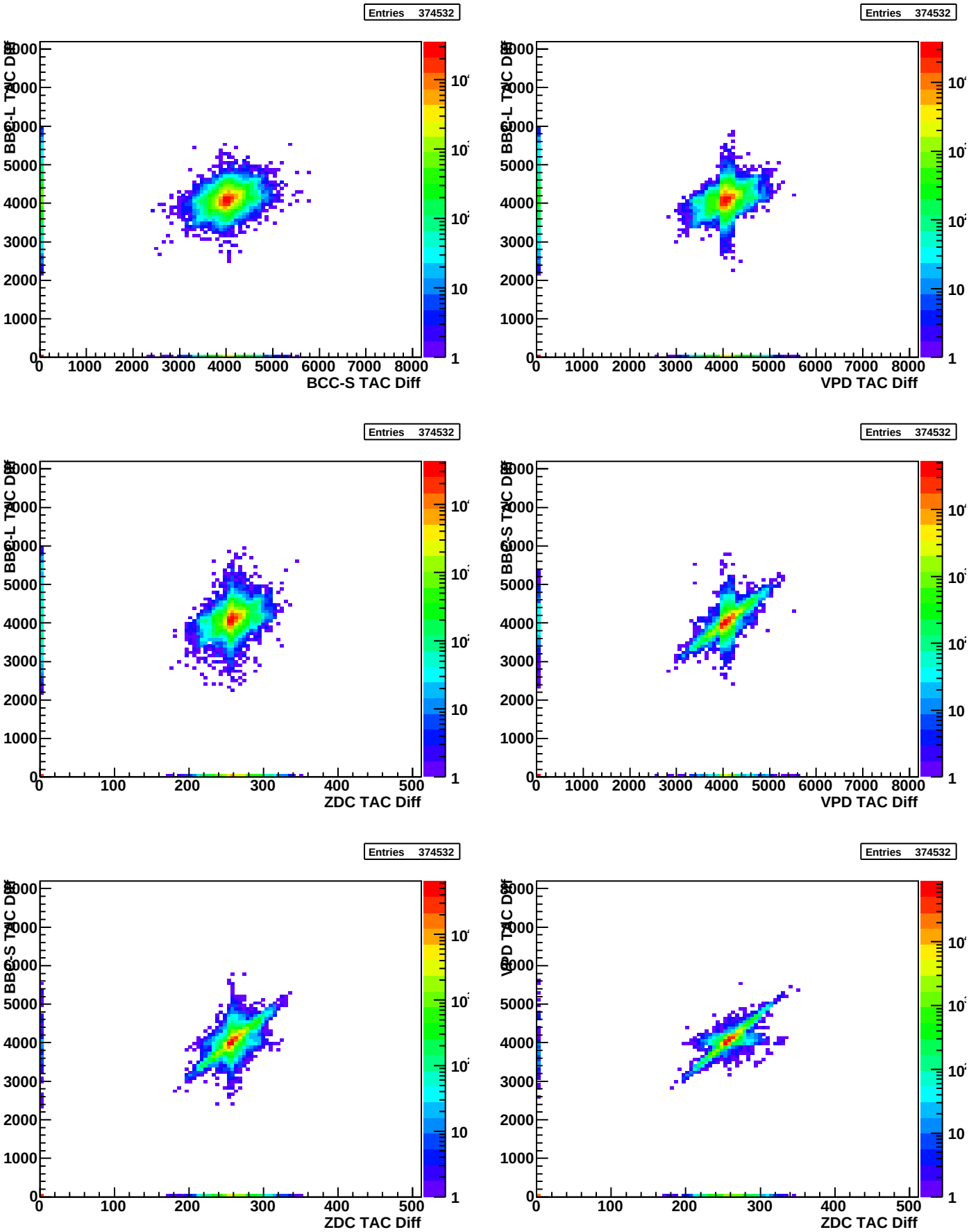
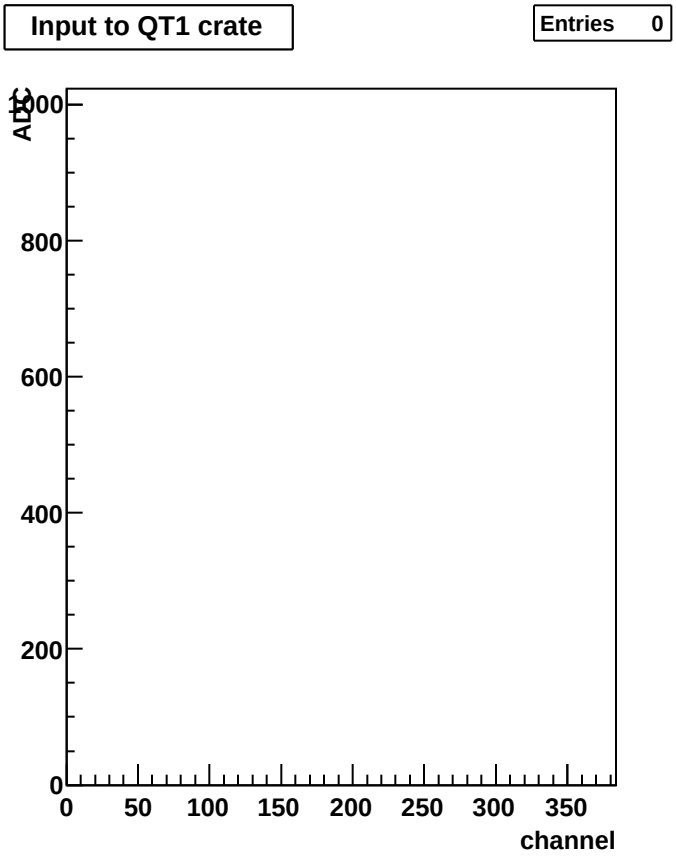
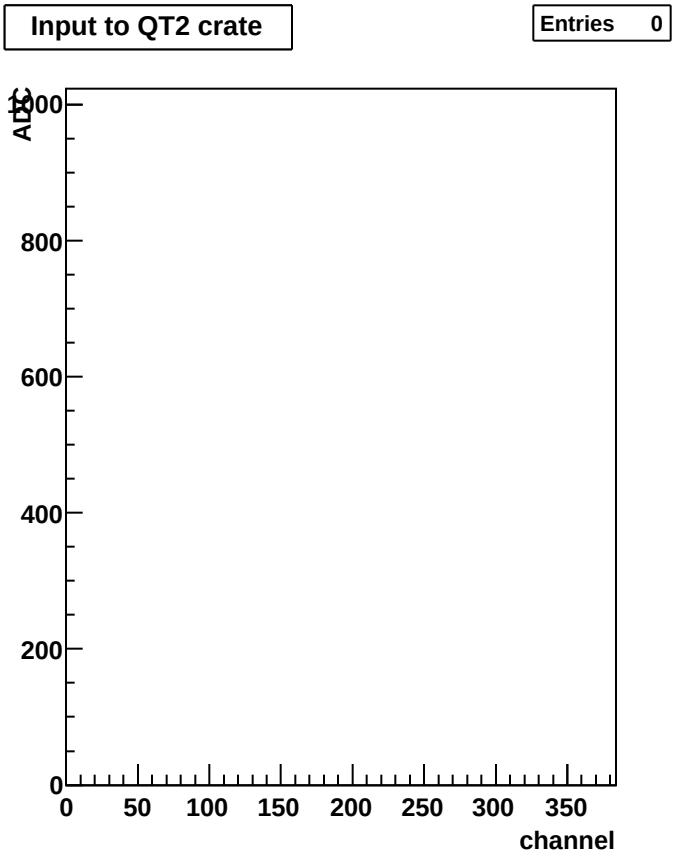
BBC-L-East ADC Sum
BBC-L-West ADC Sum

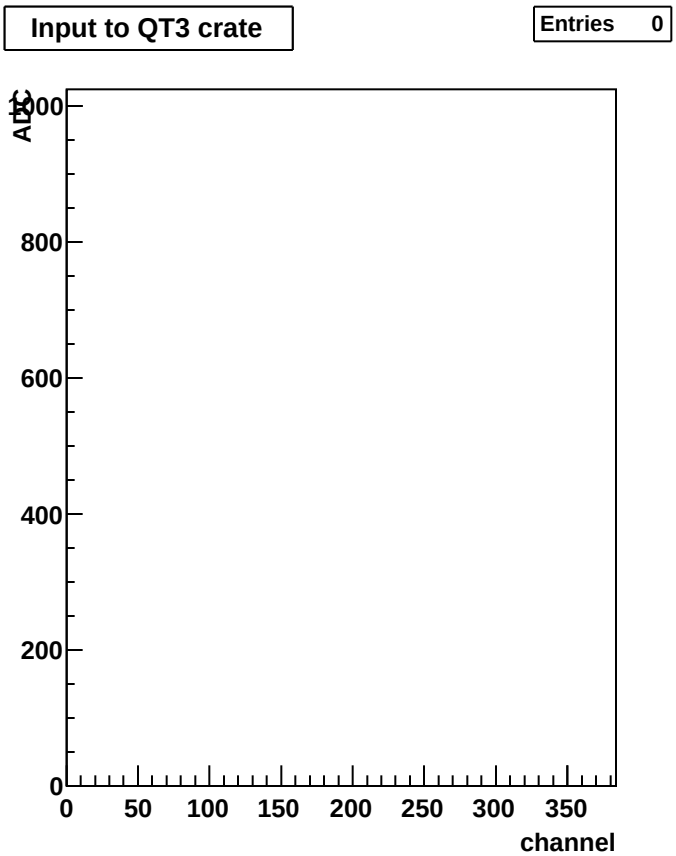

Entries 374532
BBC-S-East ADC Sum
BBC-S-West ADC Sum

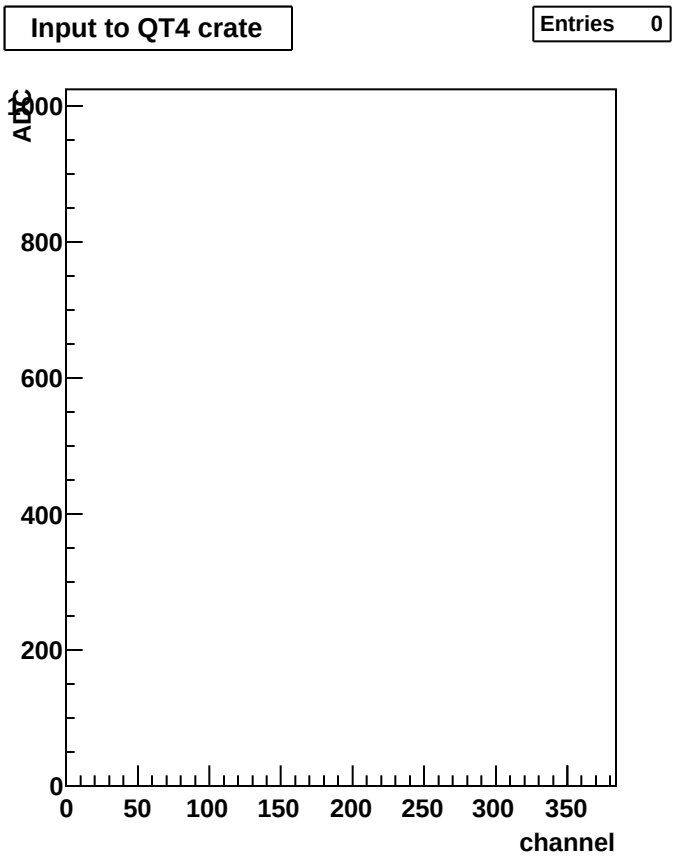

Entries 374532
ZDC East ADC Sum Att
ZDC West ADC Sum Att

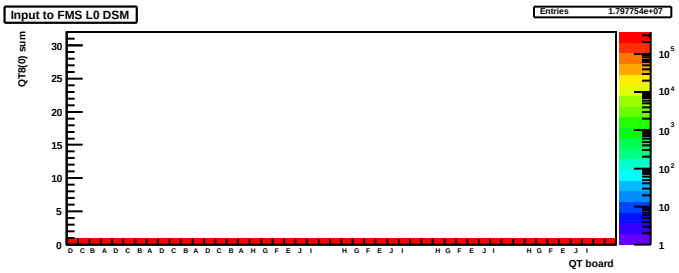

Entries 374532
BBC-L TAC Diff
BCC-S TAC Diff
Entries 374532
BBC-L TAC Diff
VPD TAC Diff
Entries 374532
BBC-L TAC Diff
ZDC TAC Diff
Entries 374532
BBC-S TAC Diff
VPD TAC Diff
Entries 374532
BBC-S TAC Diff
ZDC TAC Diff
Entries 374532
VPD TAC Diff
ZDC TAC Diff

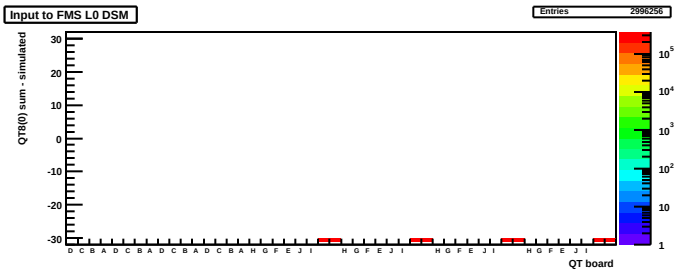

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

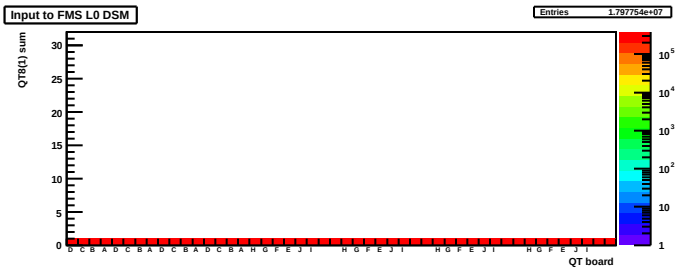

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

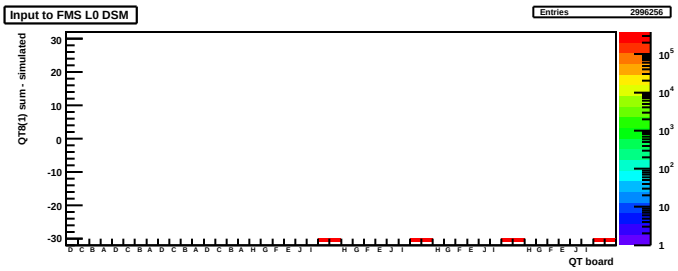

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

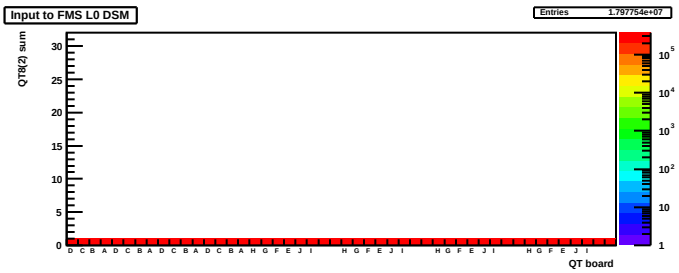

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

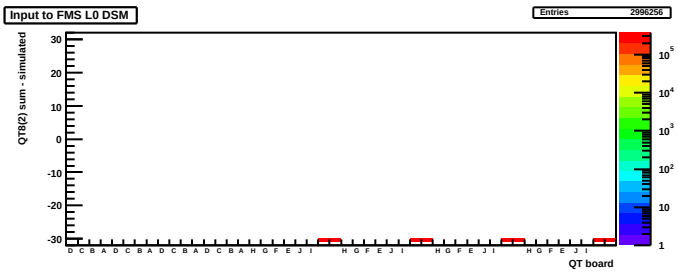

Input to FMS L0 DSM
Entries 1.797754e+07
QT8(0) sum
QT board

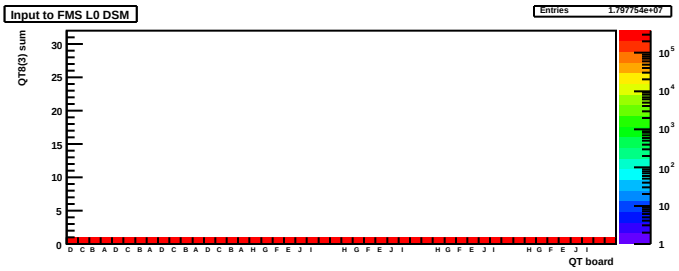

Input to FMS L0 DSM
Entries 2996256
QT8(0) sum - simulated
QT board

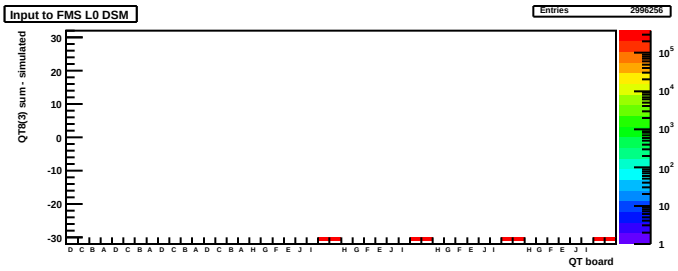

Input to FMS L0 DSM
Entries 1.797754e+07
QT8(1) sum
QT board

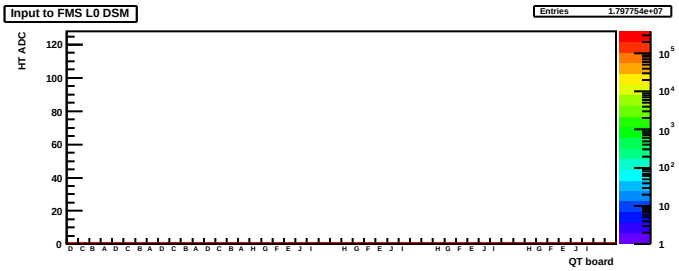

Input to FMS L0 DSM
Entries 2996256
QT8(1) sum - simulated
QT board

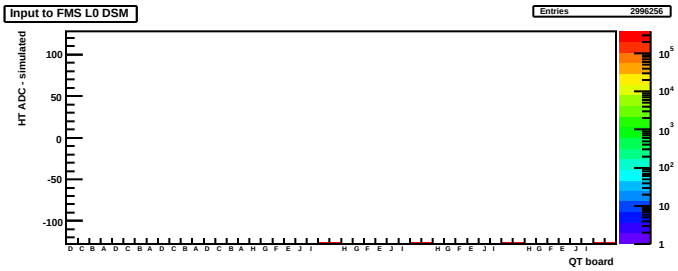

Input to FMS L0 DSM
Entries 1.797754e+07
QT8(2) sum
QT board

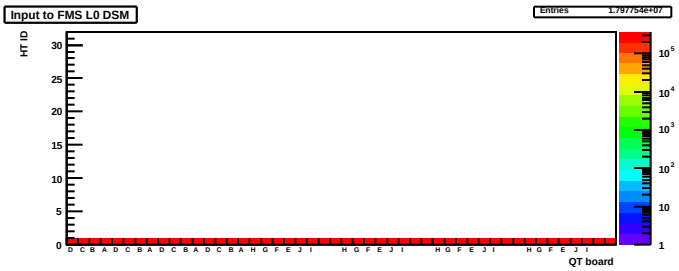

Input to FMS L0 DSM
Entries 2996256
QT8(2) sum - simulated
QT board

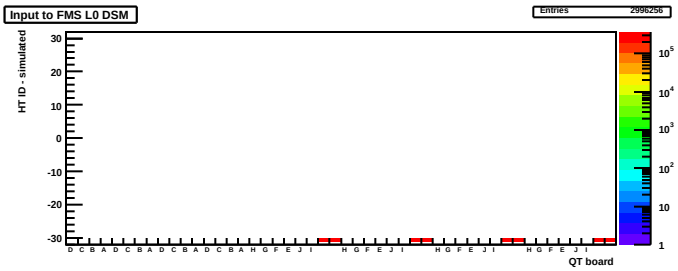

Input to FMS L0 DSM
Entries 1.797754e+07
QT8(3) sum
QT board

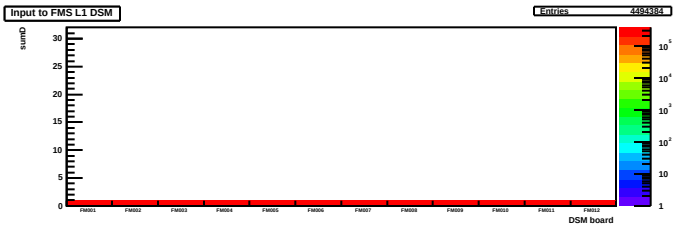

Input to FMS L0 DSM
Entries 2996256
QT8(3) sum - simulated
QT board

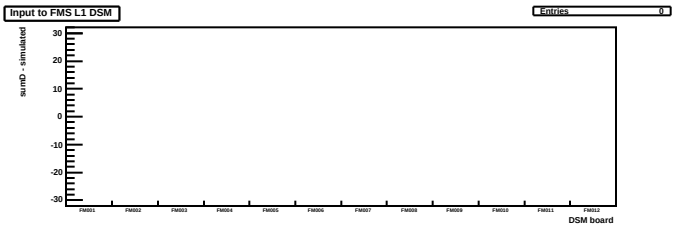

Input to FMS L0 DSM
Entries 1.797754e+07
HT ADC
QT board

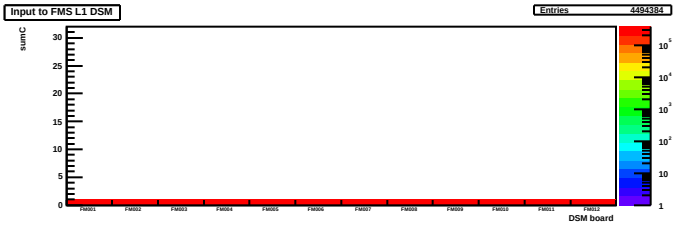

Input to FMS L0 DSM
Entries 2996256
HT ADC - simulated
QT board

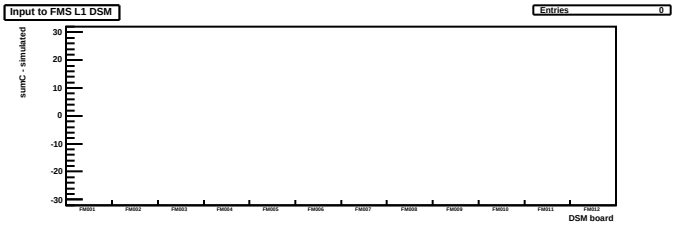

Input to FMS L0 DSM
Entries 1.797754e+07
HT ID
QT board

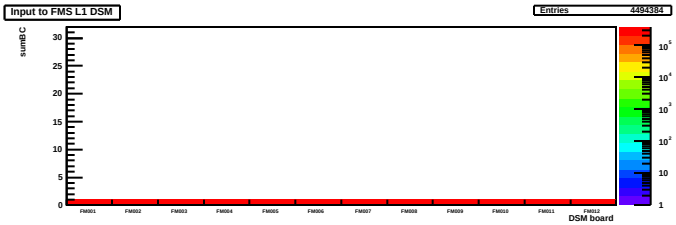

Input to FMS L0 DSM
Entries 2996256
HT ID - simulated
QT board

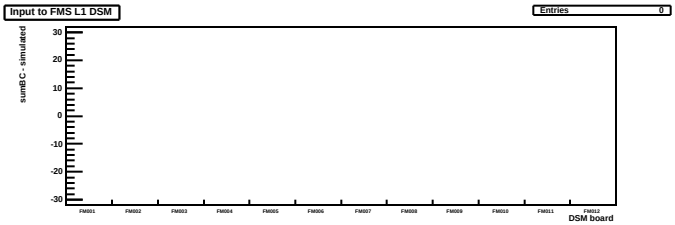

Input to FMS L1 DSM
Entries 4494384
sumD
DSM board

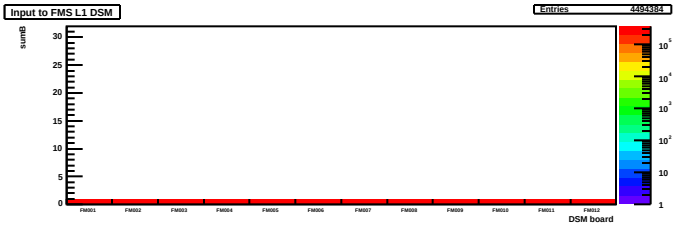

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

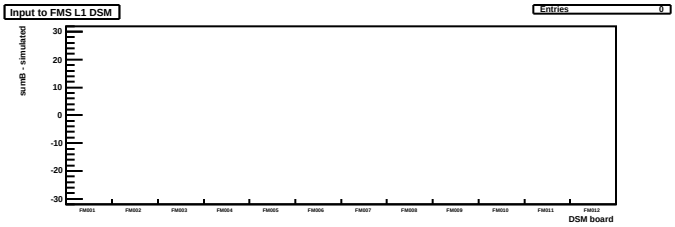

Input to FMS L1 DSM
Entries 4494384
sumC
DSM board

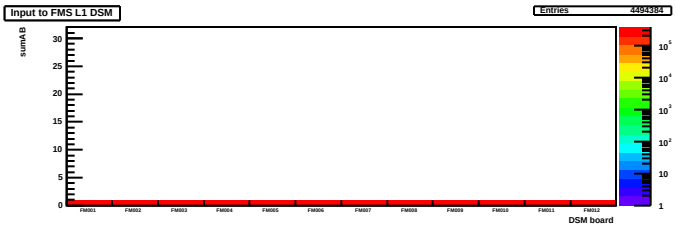

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

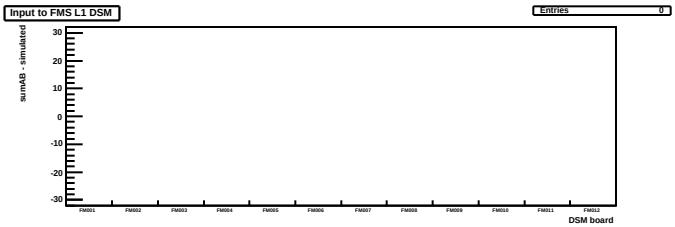

Input to FMS L1 DSM
Entries 4494384
sumBC
DSM board

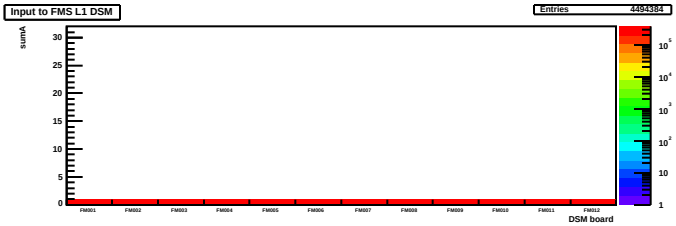

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

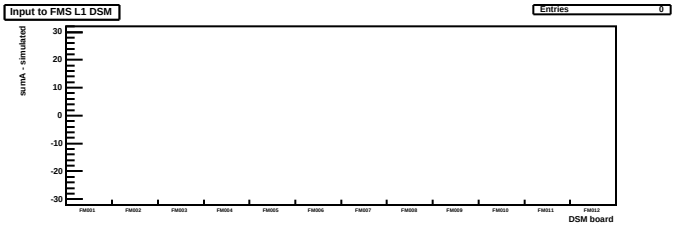

Input to FMS L1 DSM
Entries 4494384
sumB
DSM board

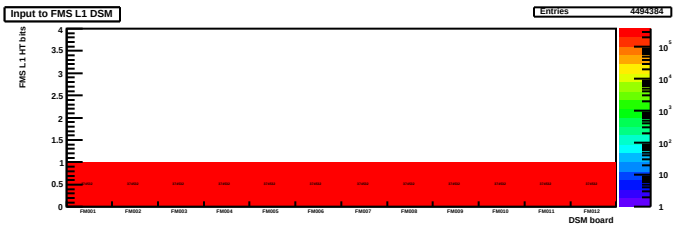

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

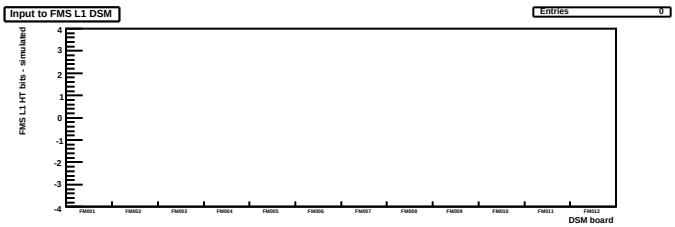

Input to FMS L1 DSM
Entries 4494384
sumAB
DSM board

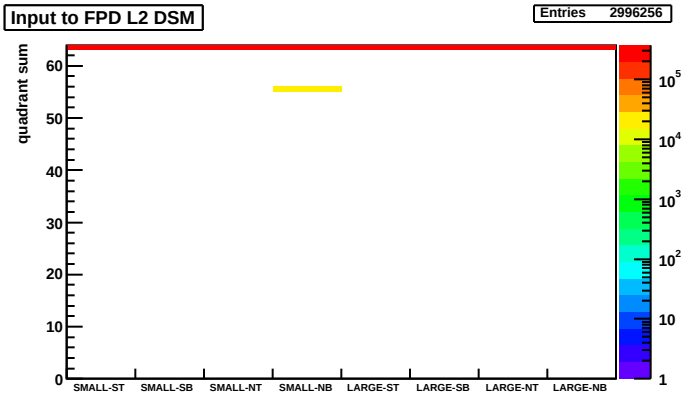

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

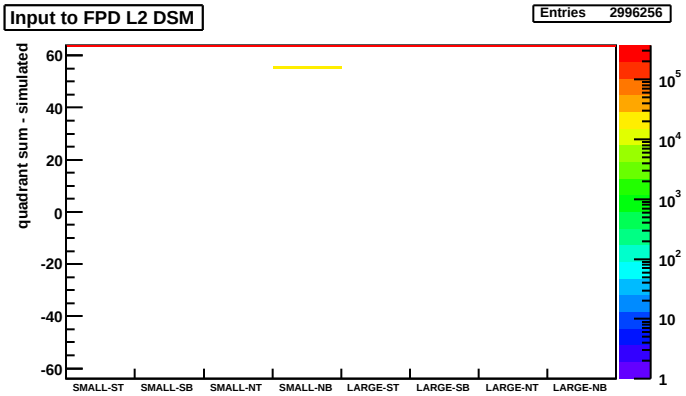

Input to FMS L1 DSM
Entries 4494384
sumA
DSM board

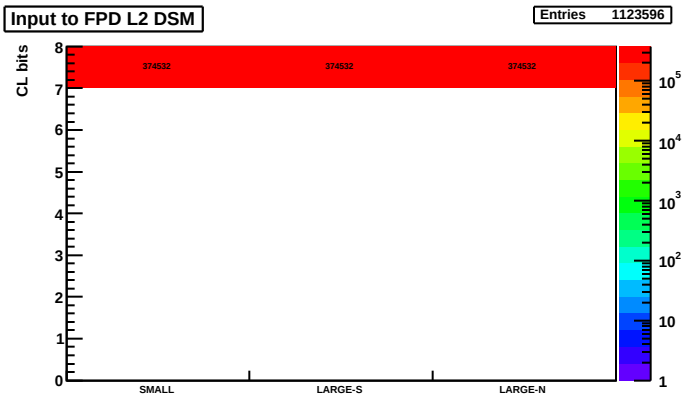

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

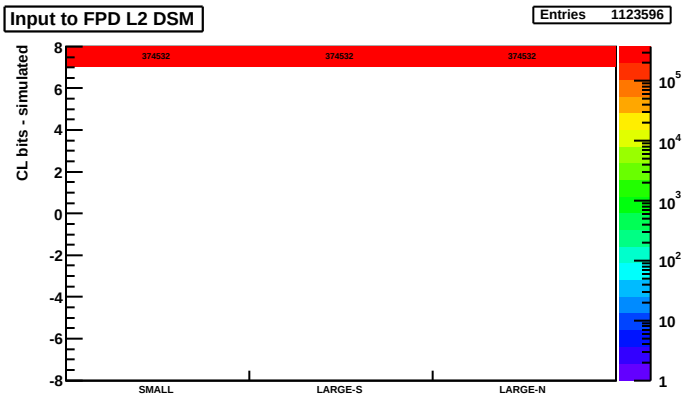

Input to FMS L1 DSM
Entries 4494384
FMS L1 HT bits
DSM board

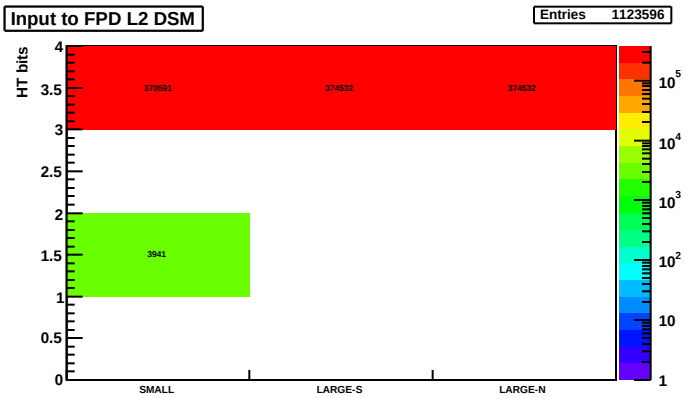

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

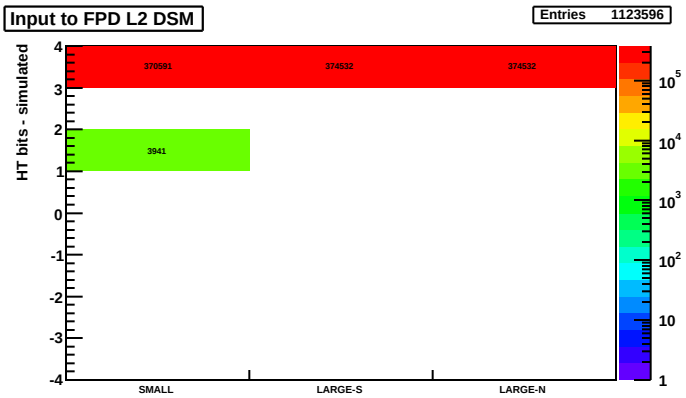

Input to FPD L2 DSM
Entries 2996256
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

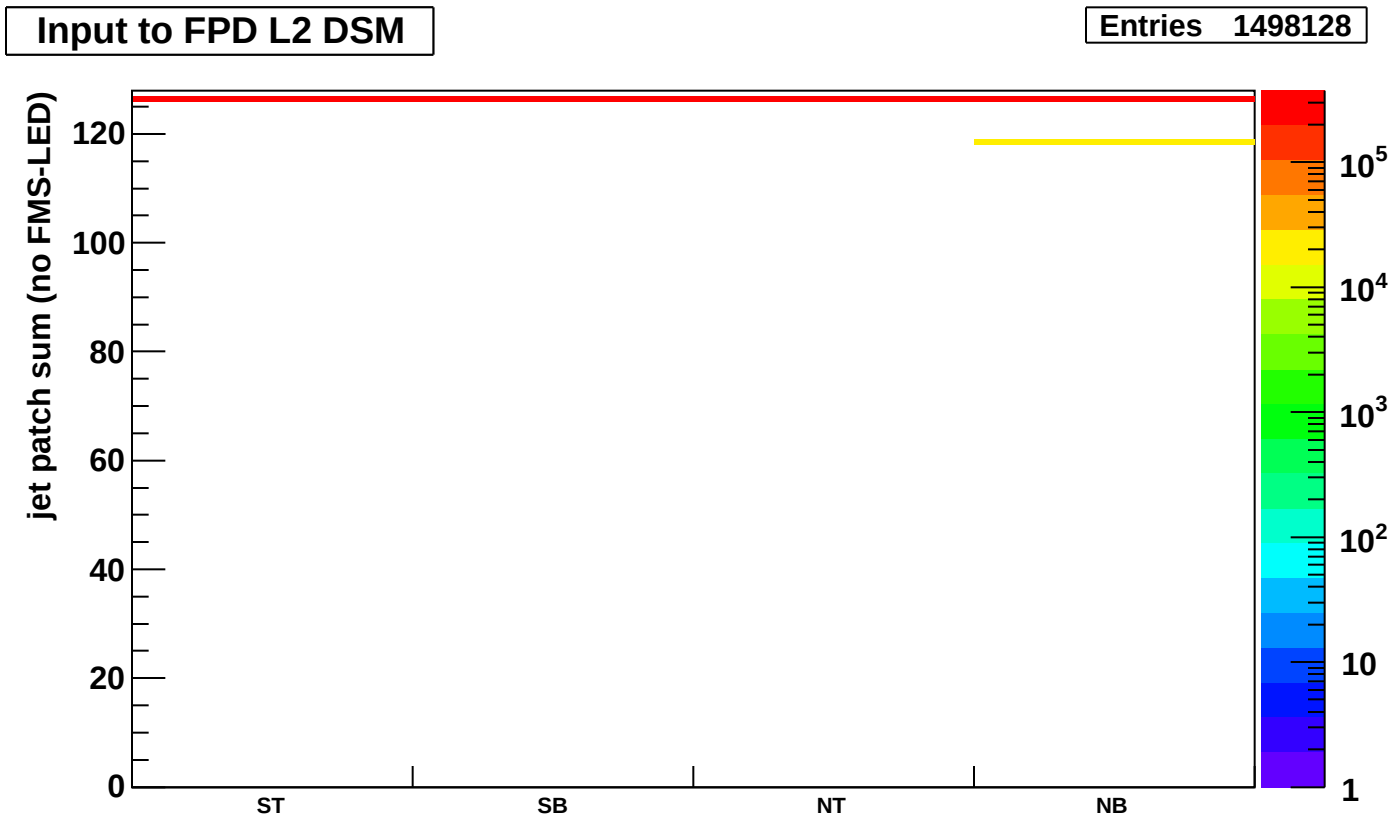

Input to FPD L2 DSM
Entries 2996256
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

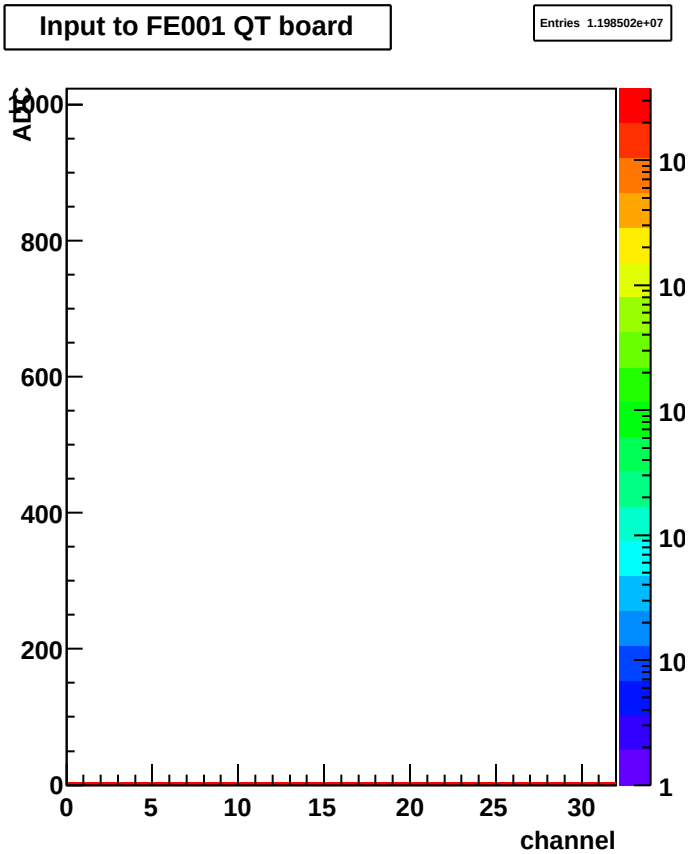

Input to FPD L2 DSM
Entries 1123596
CL bits
374532
374532
374532
SMALL
LARGE-S
LARGE-N

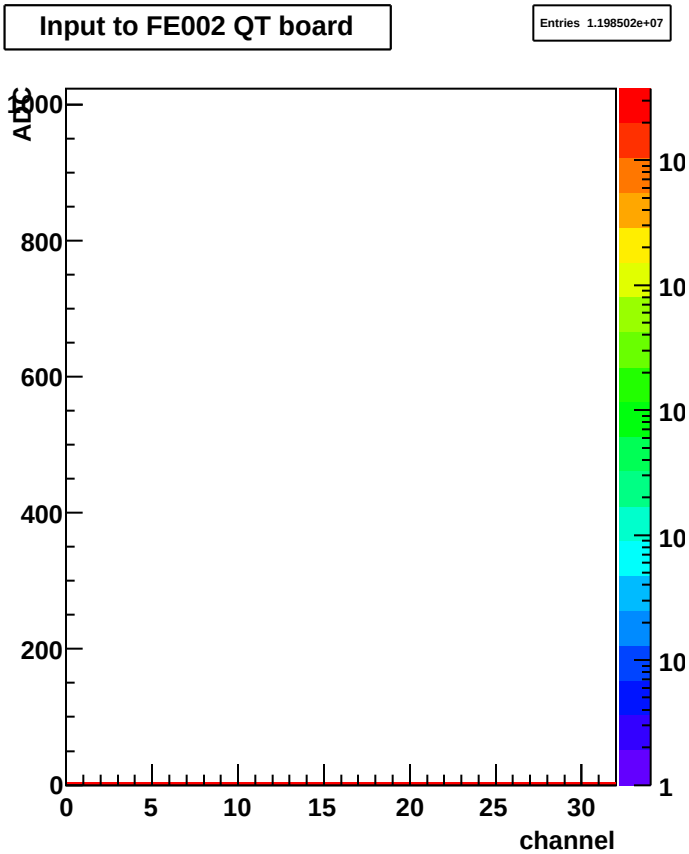

Input to FPD L2 DSM
Entries 1123596
CL bits - simulated
374532
374532
374532
SMALL
LARGE-S
LARGE-N

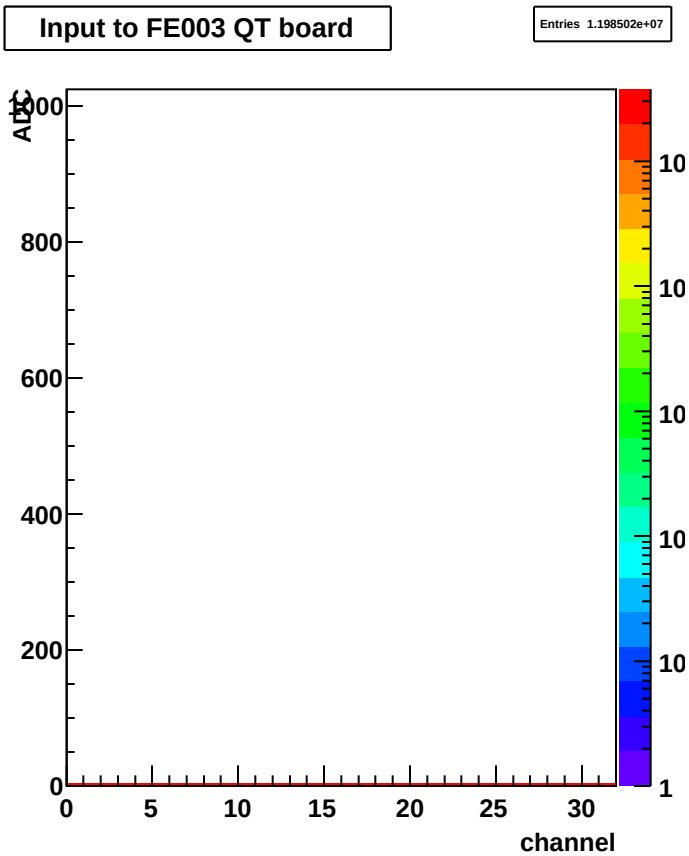

Input to FPD L2 DSM
Entries 1123596
HT bits
370591
374532
374532
3941
SMALL
LARGE-S
LARGE-N

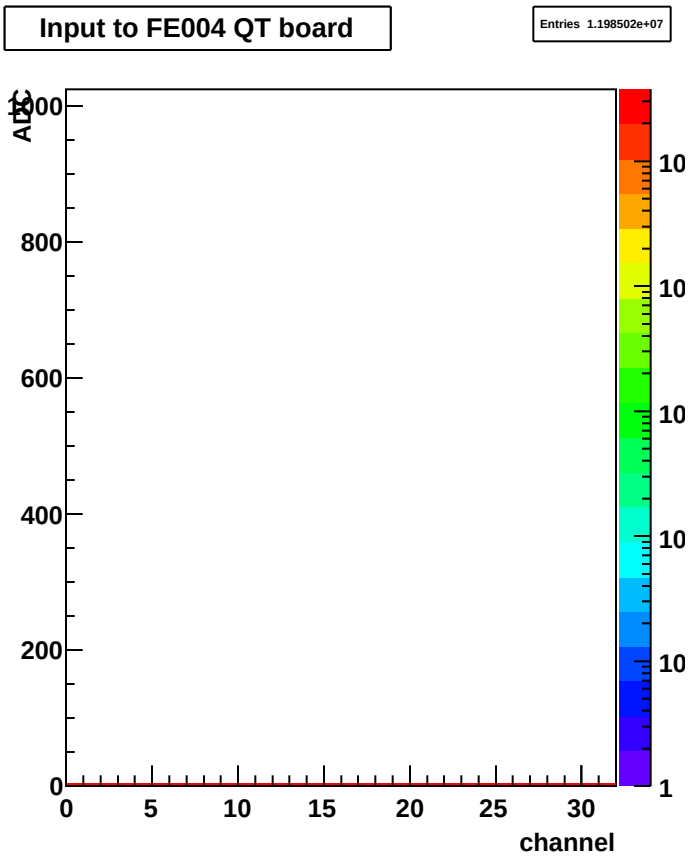

Input to FPD L2 DSM
Entries 1123596
HT bits - simulated
370591
374532
374532
3941
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1498128
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

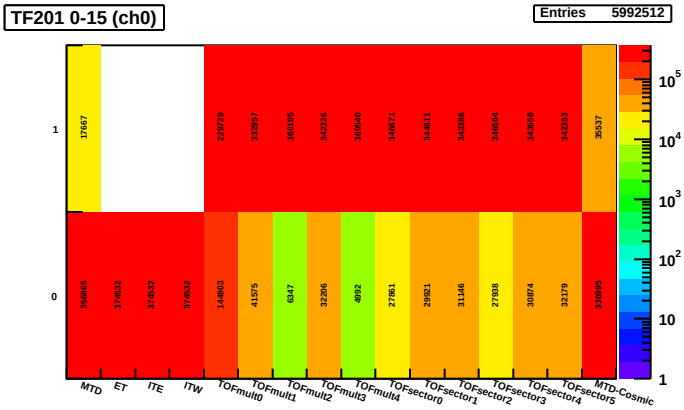

Input to FE001 QT board
Entries 1.198502e+07
ADC
channel


Input to FE002 QT board
Entries 1.198502e+07
ADC
channel

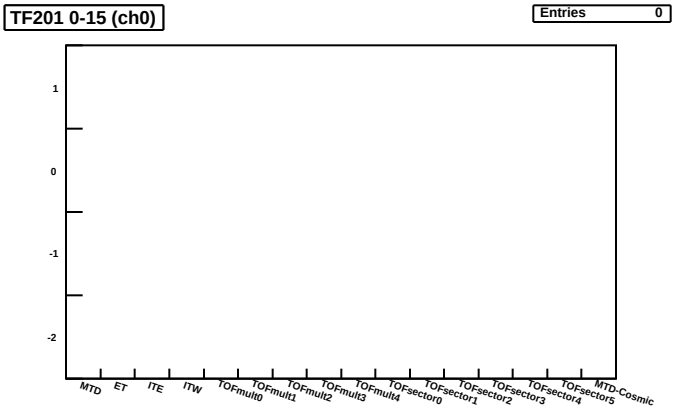

Input to FE003 QT board
Entries 1.198502e+07
ADC
channel


Input to FE004 QT board
Entries 1.198502e+07
ADC
channel

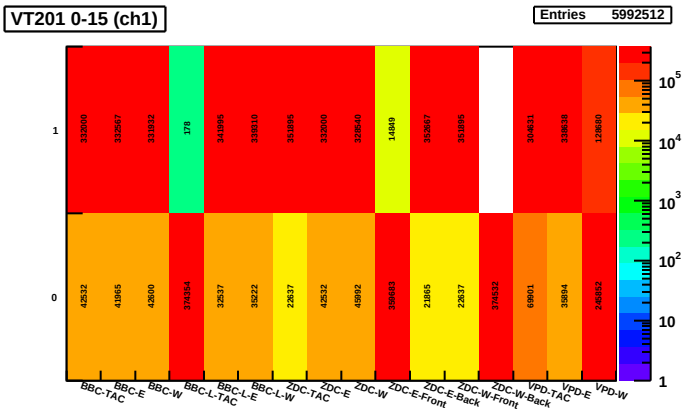
TF201 0-15 (ch0)



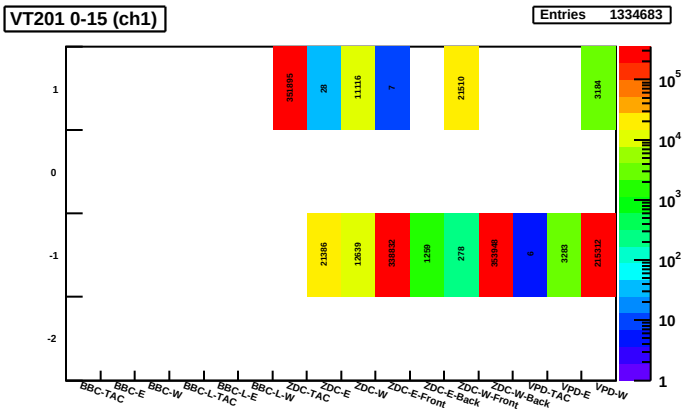
TF201 0-15 (ch0)



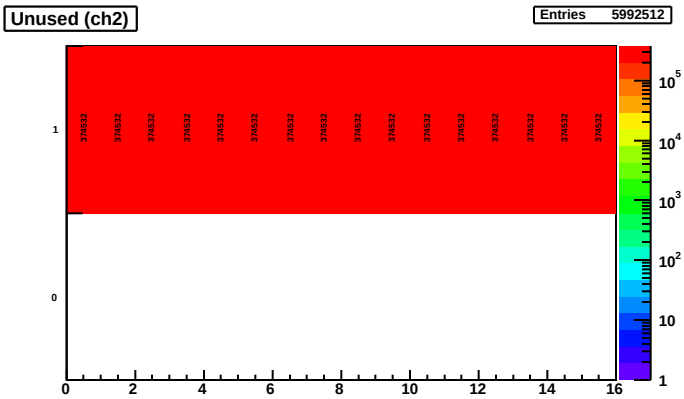
VT201 0-15 (ch1)

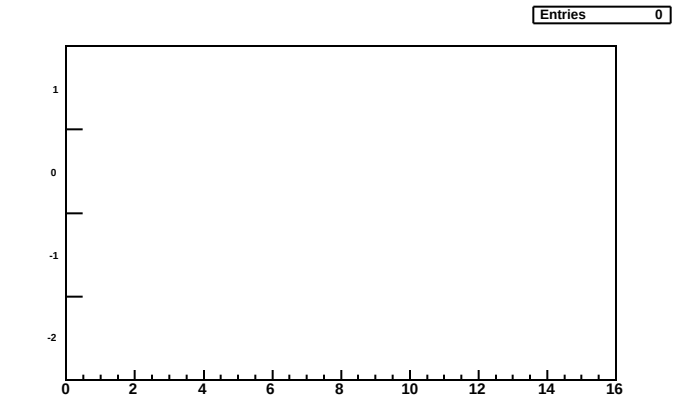


VT201 0-15 (ch1)

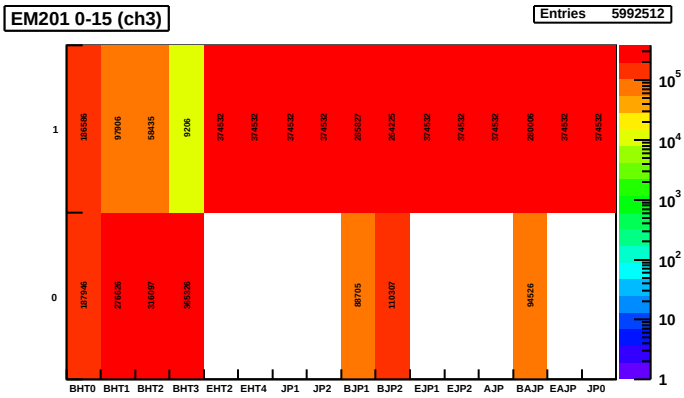


Unused (ch2)

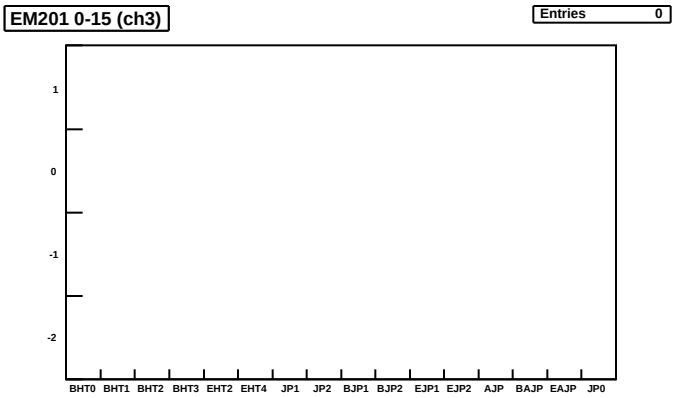




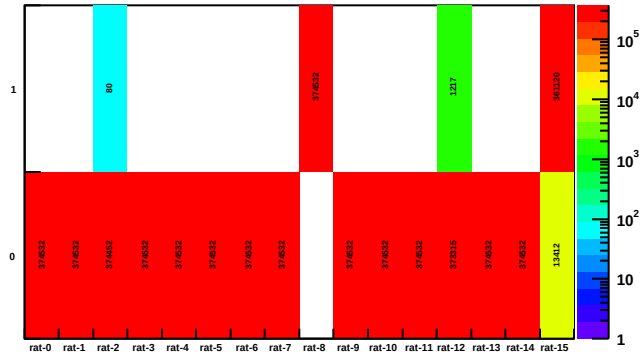
EM201 0-15 (ch3)

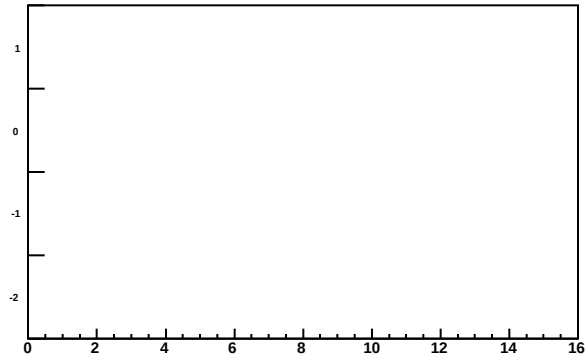


EM201 0-15 (ch3)

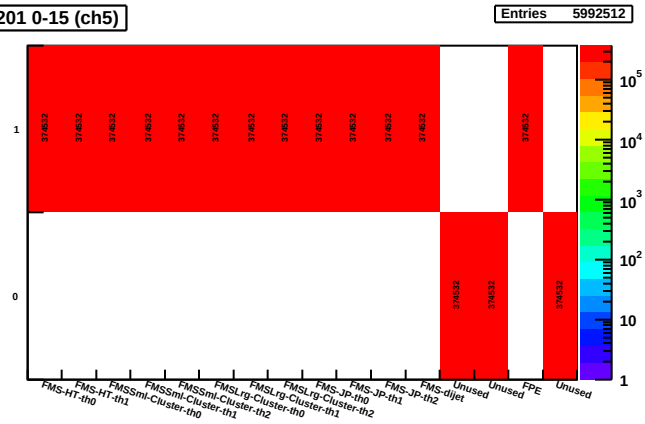


RAT board (ch4)

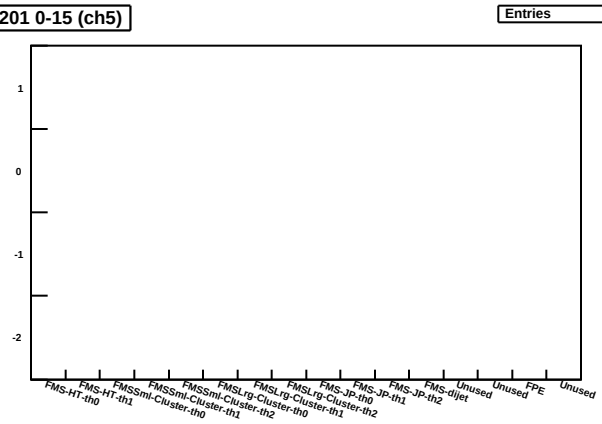




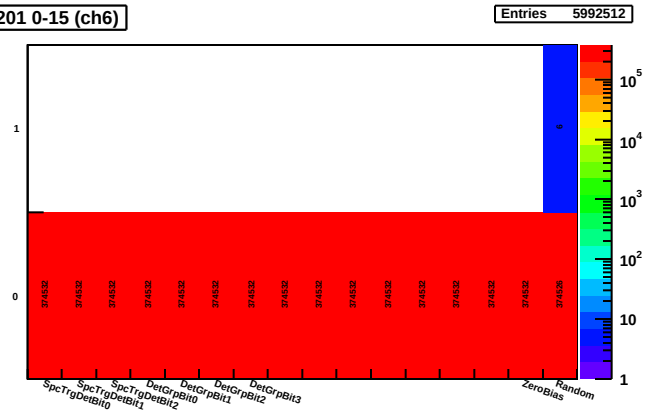
FP201 0-15 (ch5)

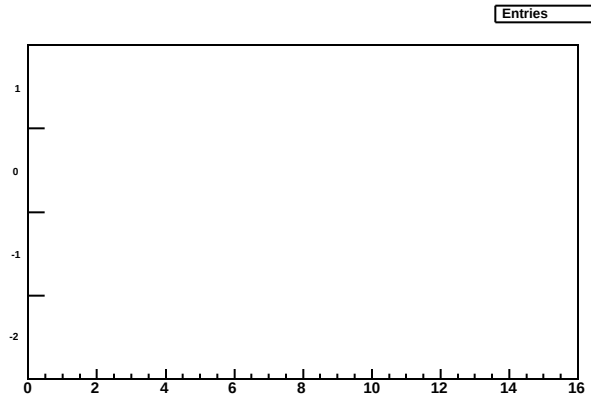
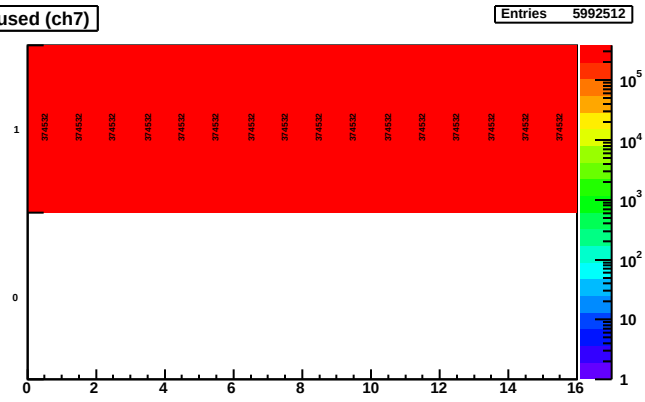
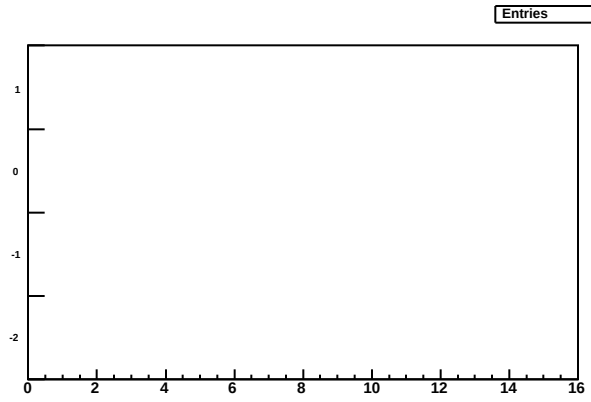


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)