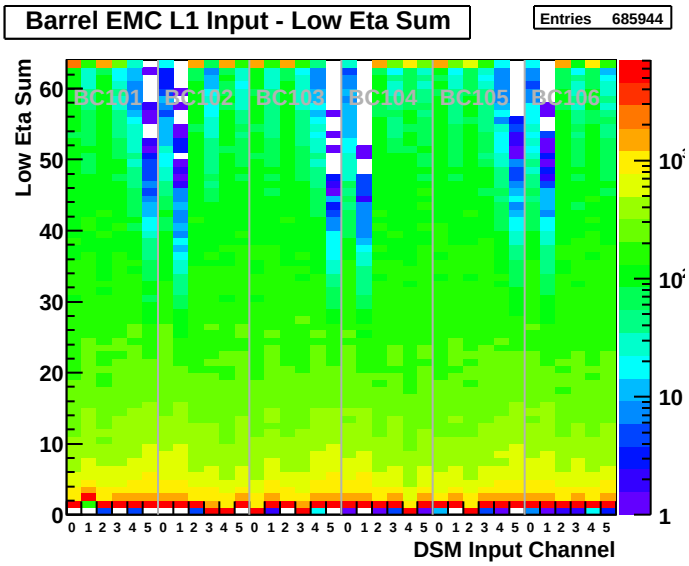
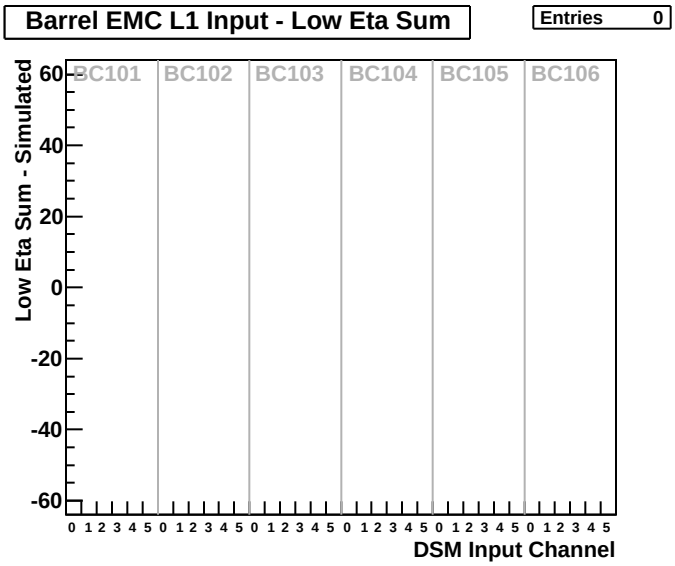
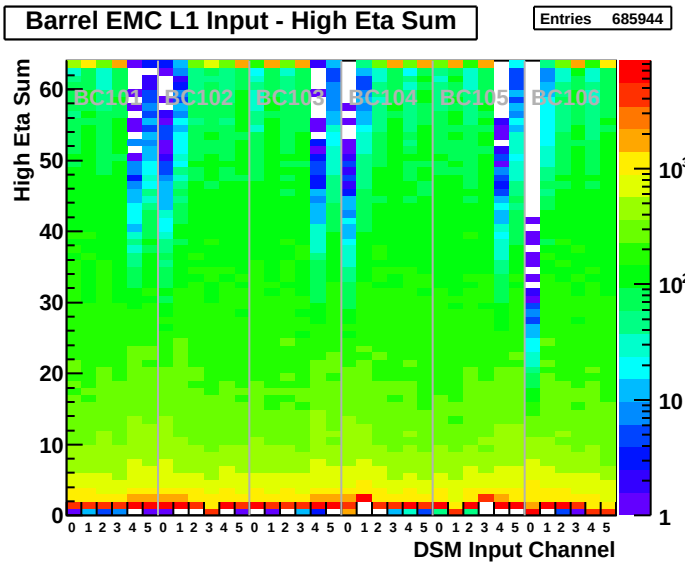
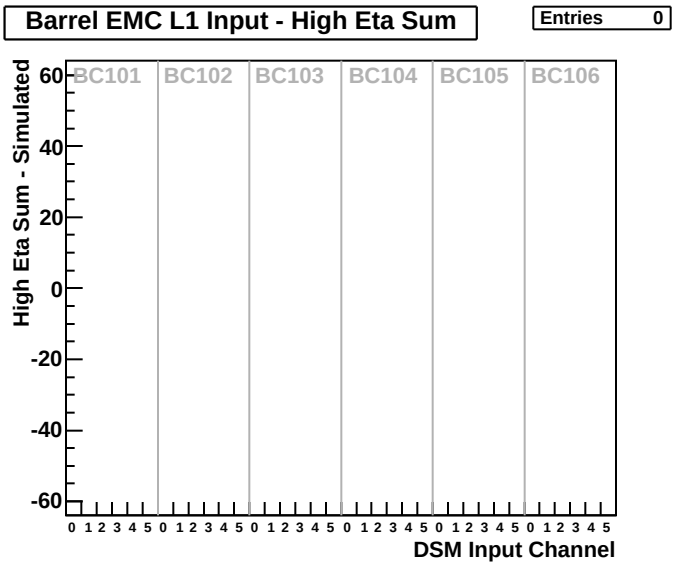
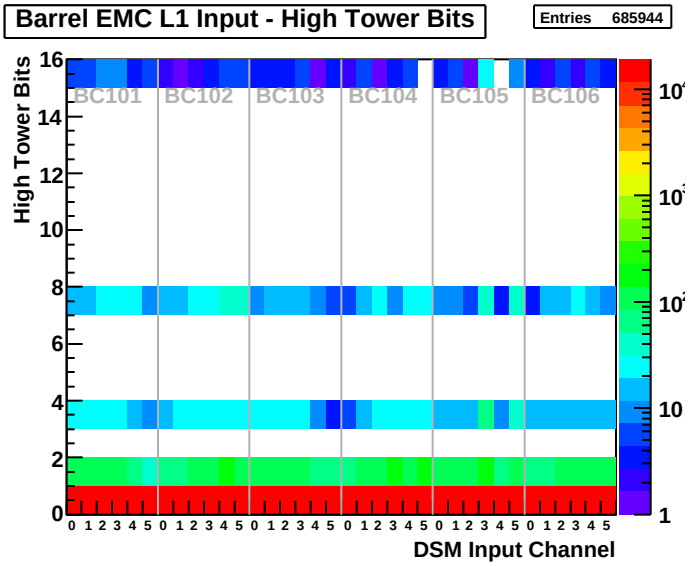
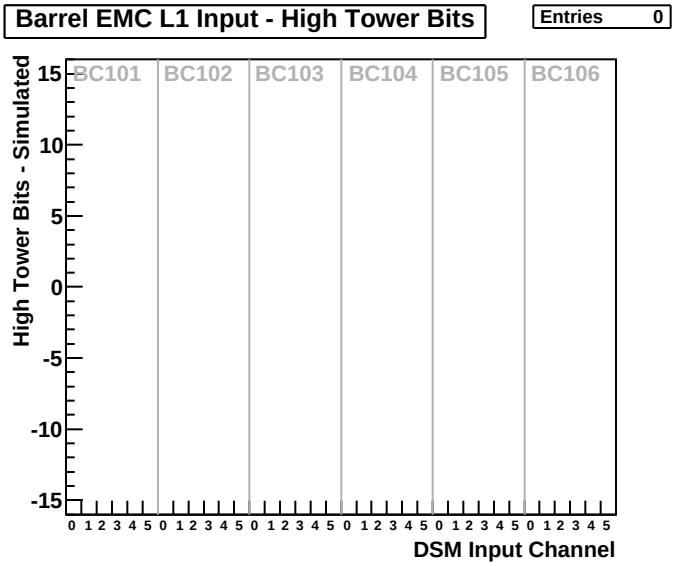

Barrel EMC L1 Input - Low Eta Sum
Entries 685944
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

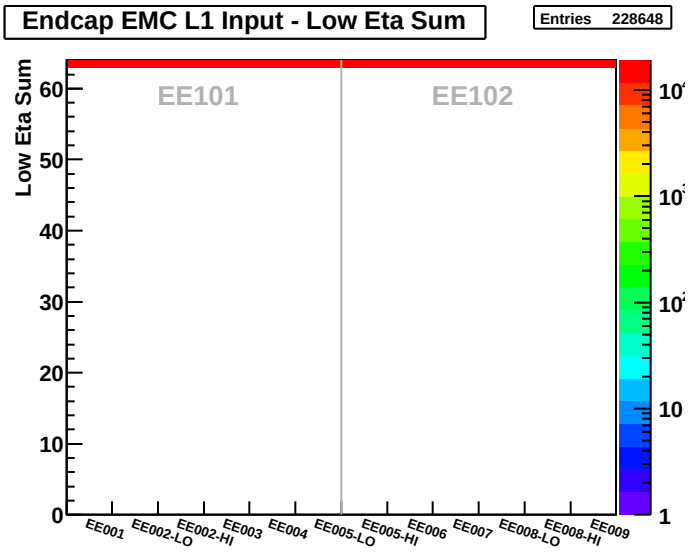

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

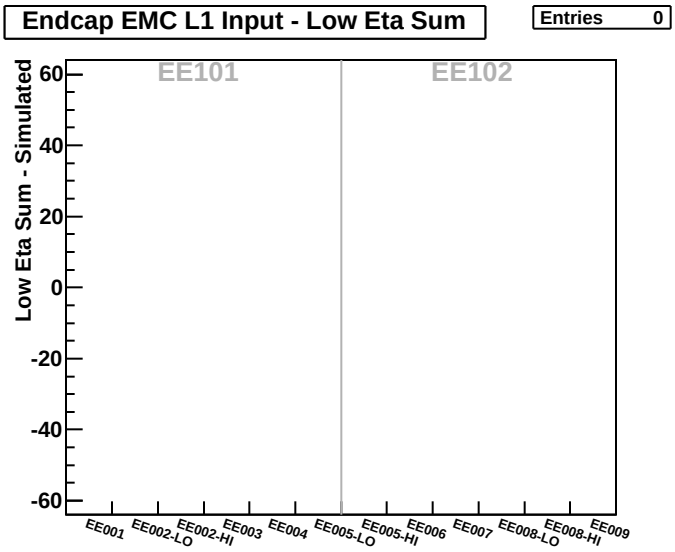

Barrel EMC L1 Input - High Eta Sum
Entries 685944
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

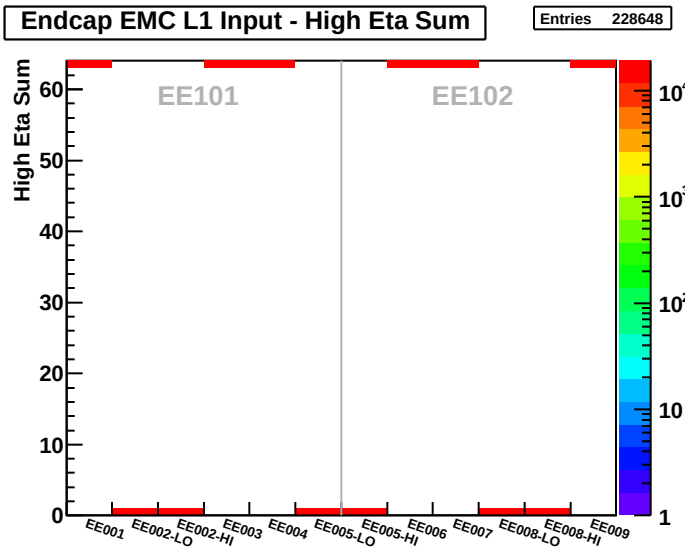

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

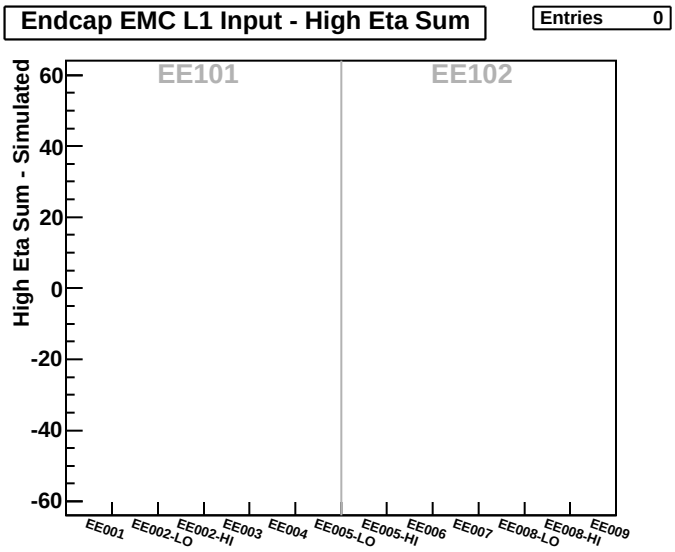

Barrel EMC L1 Input - High Tower Bits
Entries 685944
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

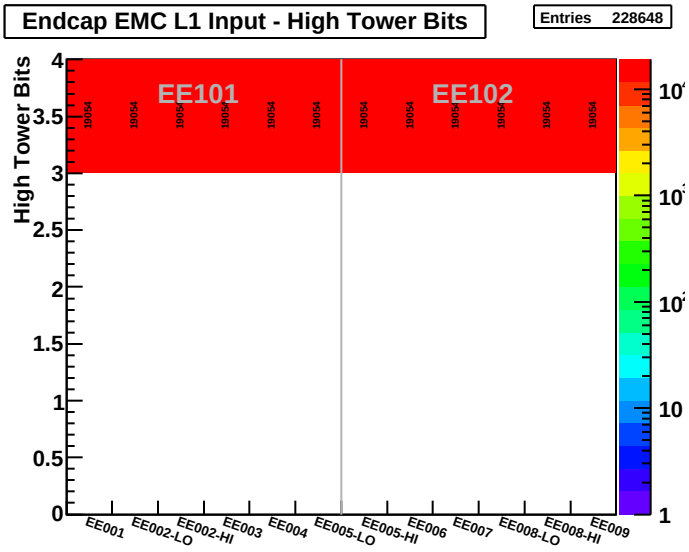

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

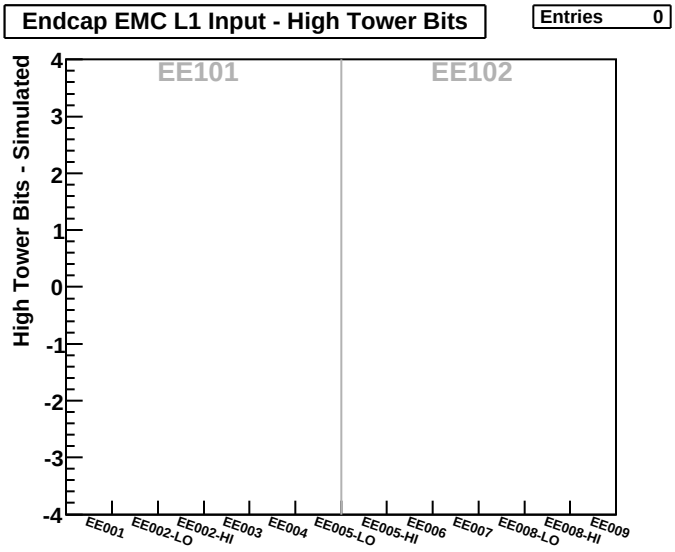

Endcap EMC L1 Input - Low Eta Sum
Entries 228648
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

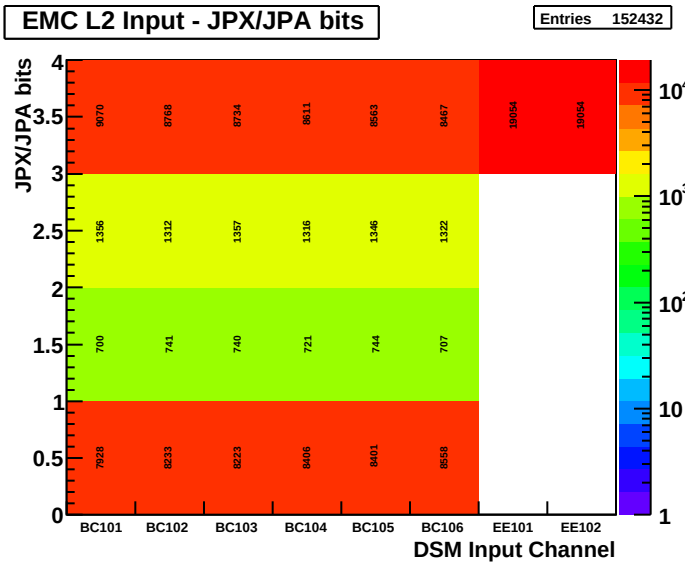

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

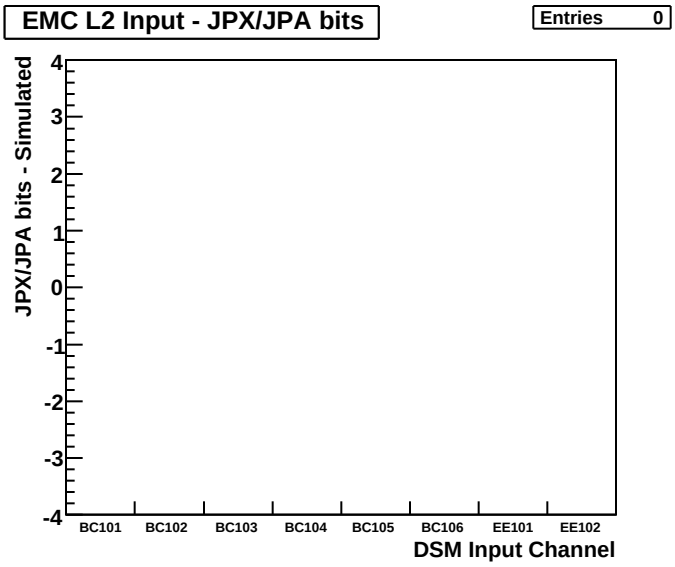

Endcap EMC L1 Input - High Eta Sum
Entries 228648
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

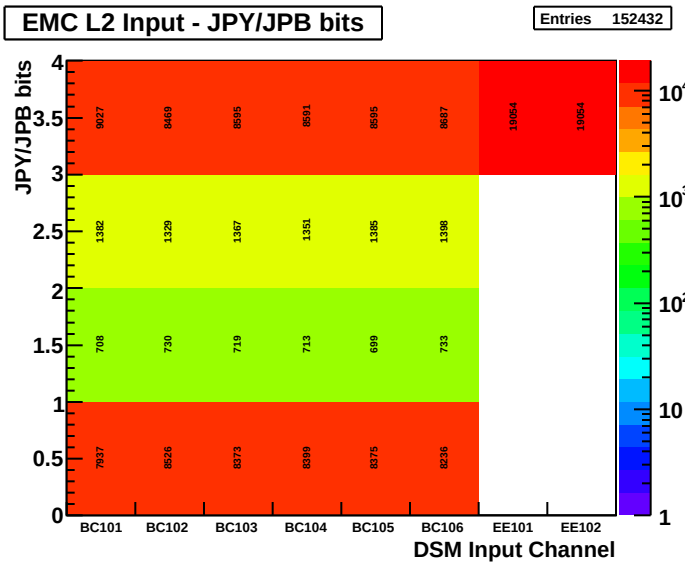

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

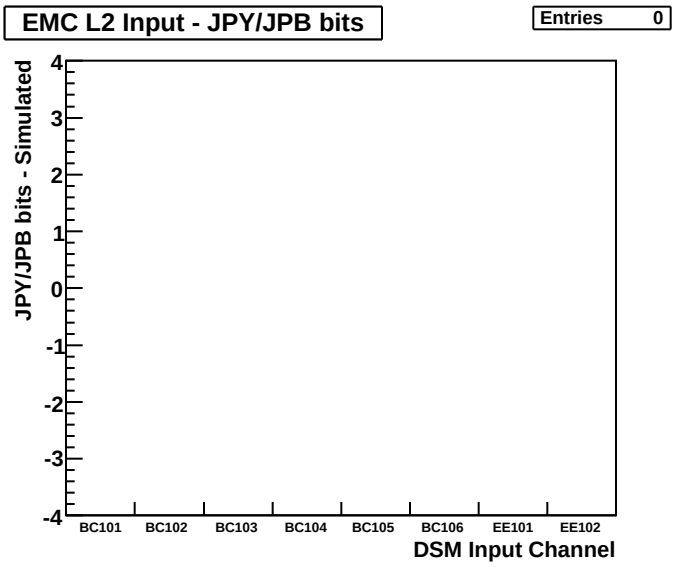

Endcap EMC L1 Input - High Tower Bits
Entries 228648
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

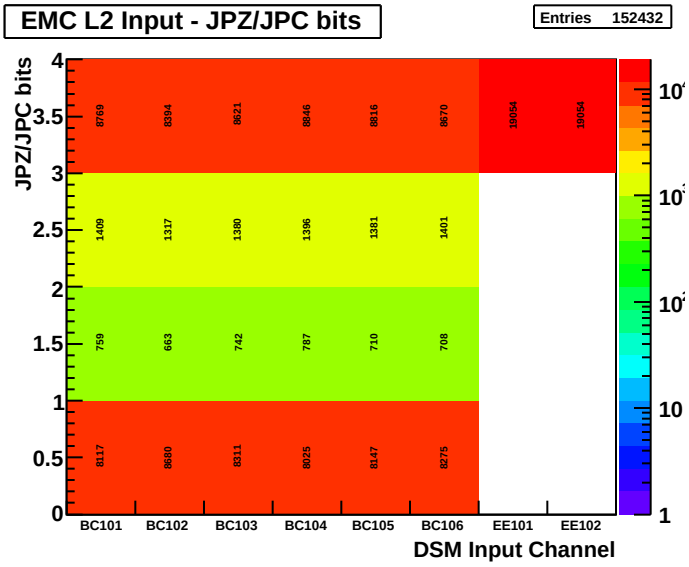

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

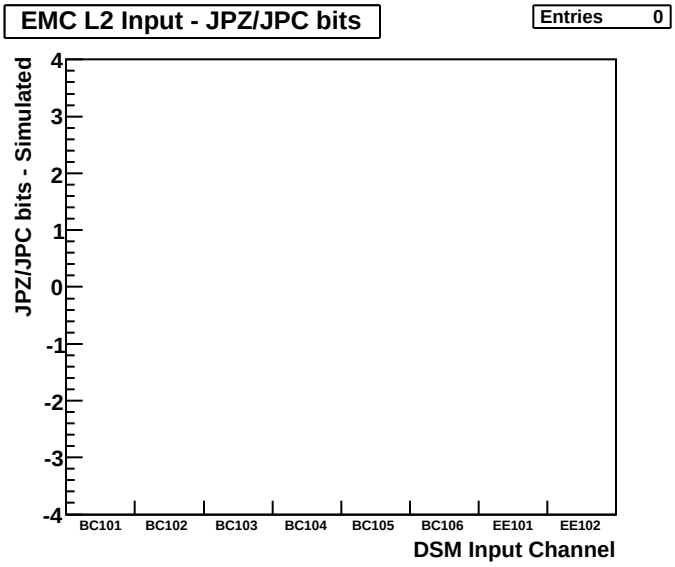

EMC L2 Input - JPX/JPA bits
Entries 152432
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
9070 8768 8734 8611 8563 8467 19054 19054
1356 1312 1357 1316 1346 1322
700 741 740 721 744 707
7928 8233 8223 8406 8401 8558

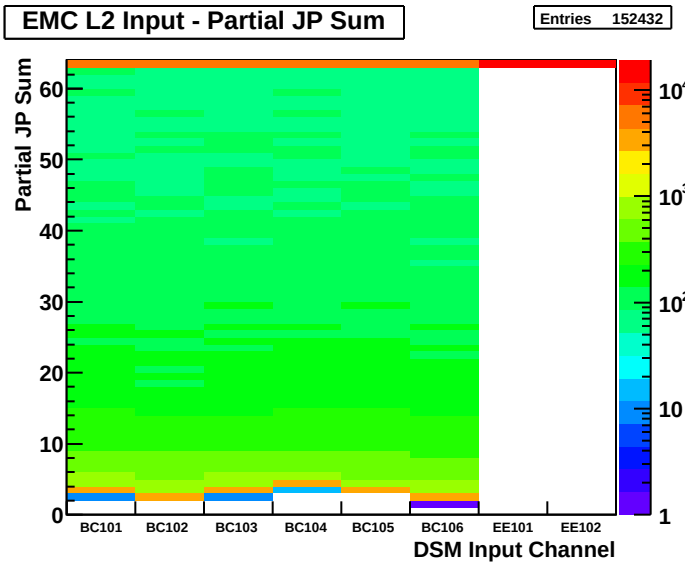

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

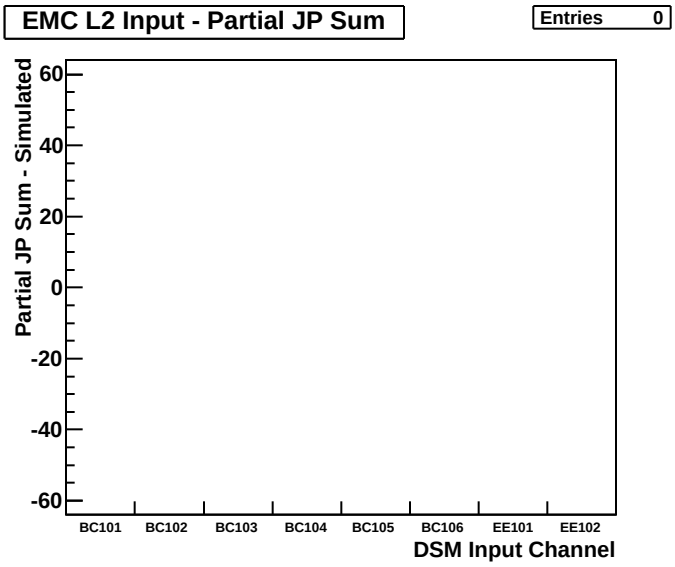

EMC L2 Input - JPY/JPB bits
Entries 152432
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
9027 8469 8595 8591 8595 8687 19054 19054
1382 1329 1367 1351 1385 1398
708 730 719 713 699 733
7937 8526 8373 8399 8375 8236

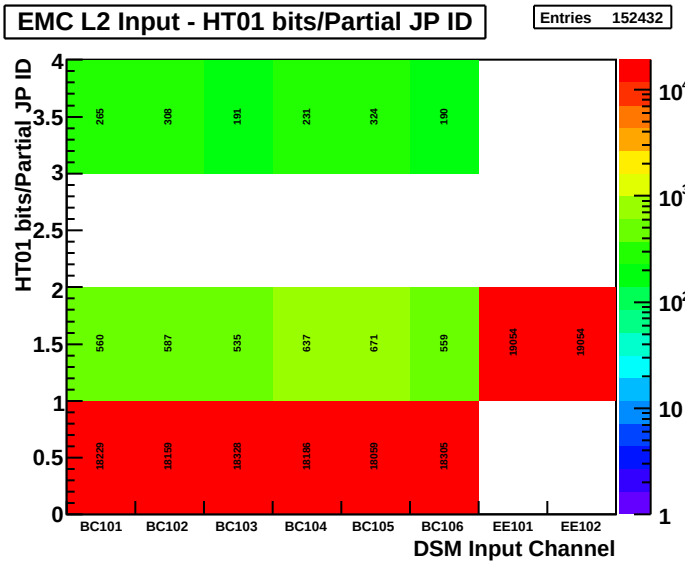

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

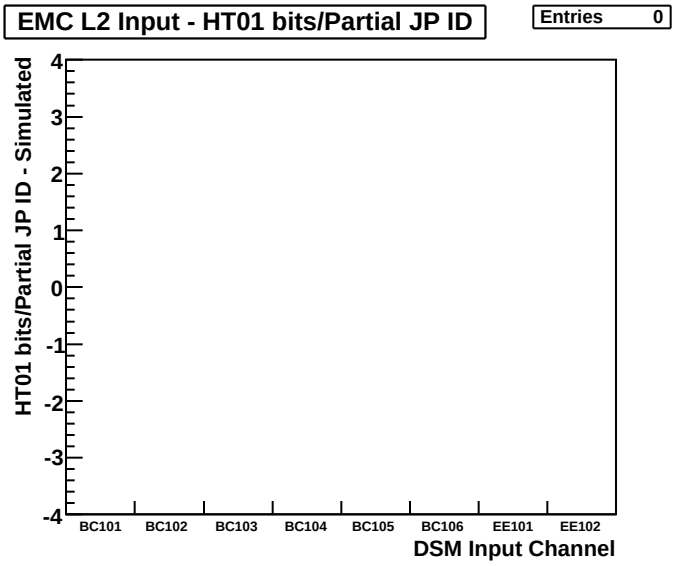

EMC L2 Input - JPZ/JPC bits
Entries 152432
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
8769 8394 8621 8846 8816 8670 19054 19054
1409 1317 1380 1396 1381 1401
759 663 742 787 710 708
8117 8680 8311 8025 8147 8275

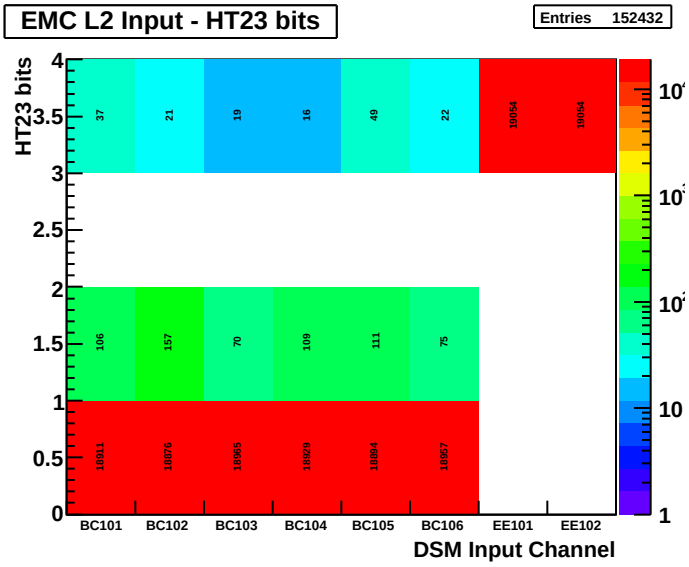

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

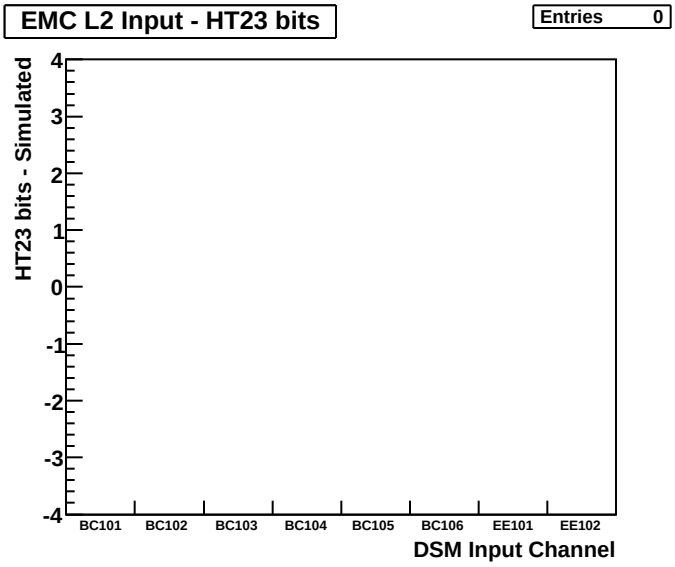

EMC L2 Input - Partial JP Sum
Entries 152432
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

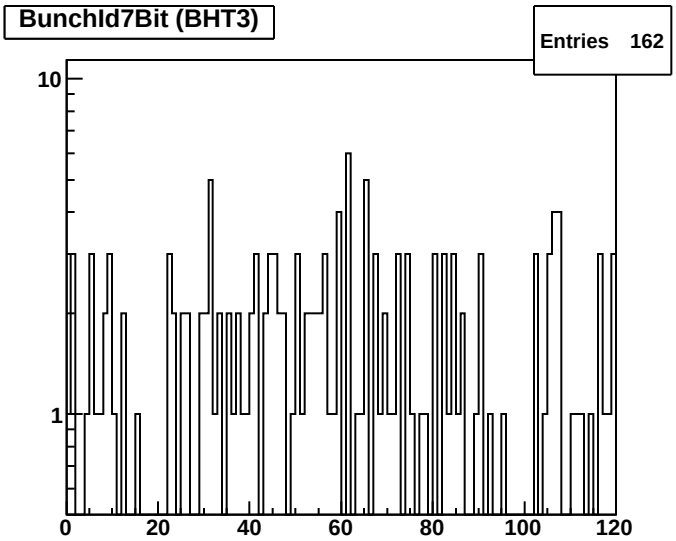

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

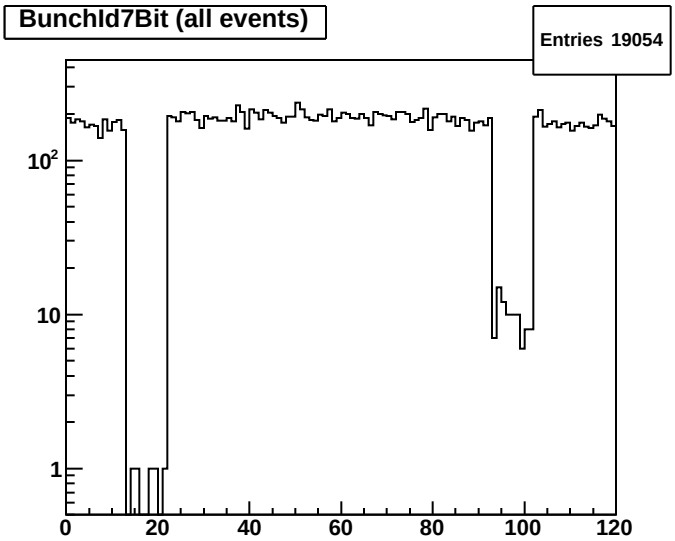

EMC L2 Input - HT01 bits/Partial JP ID
Entries 152432
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

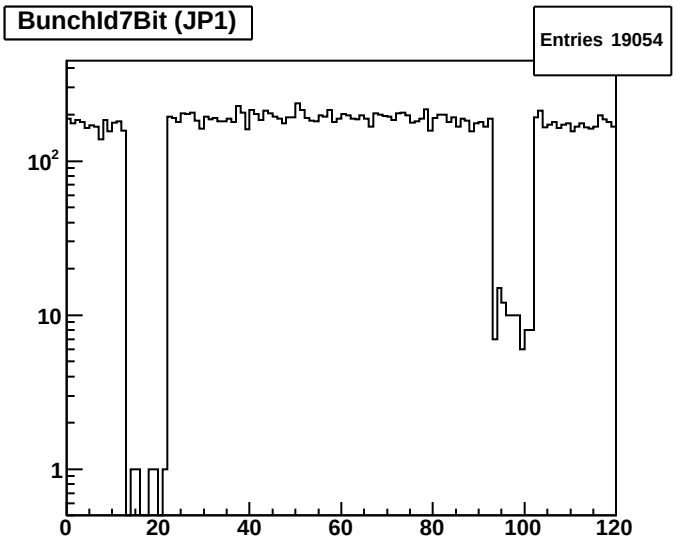

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

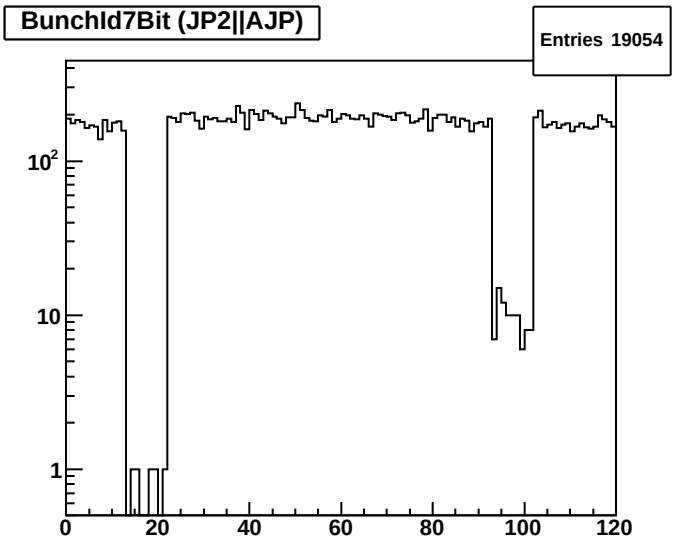

EMC L2 Input - HT23 bits
Entries 152432
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

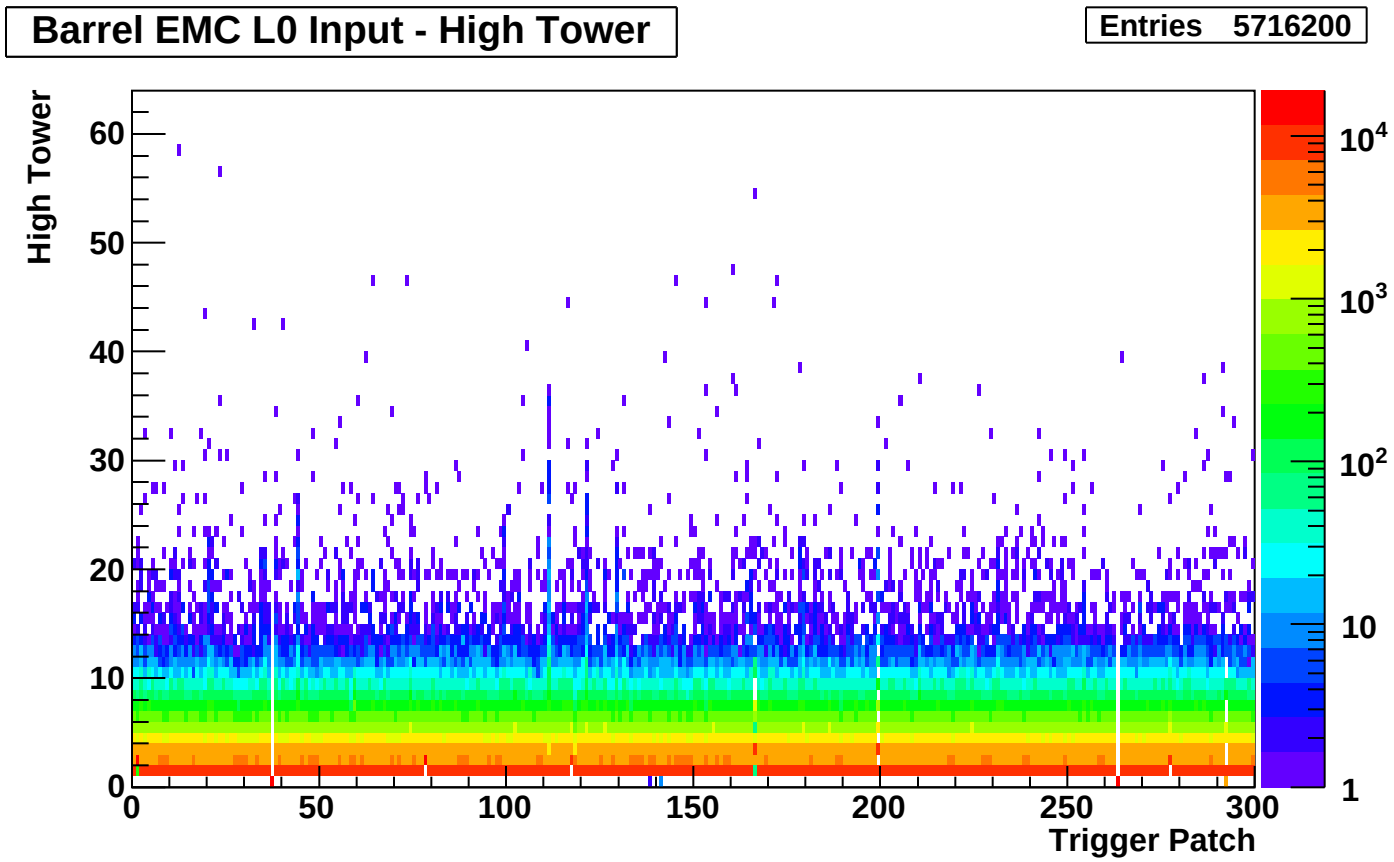

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

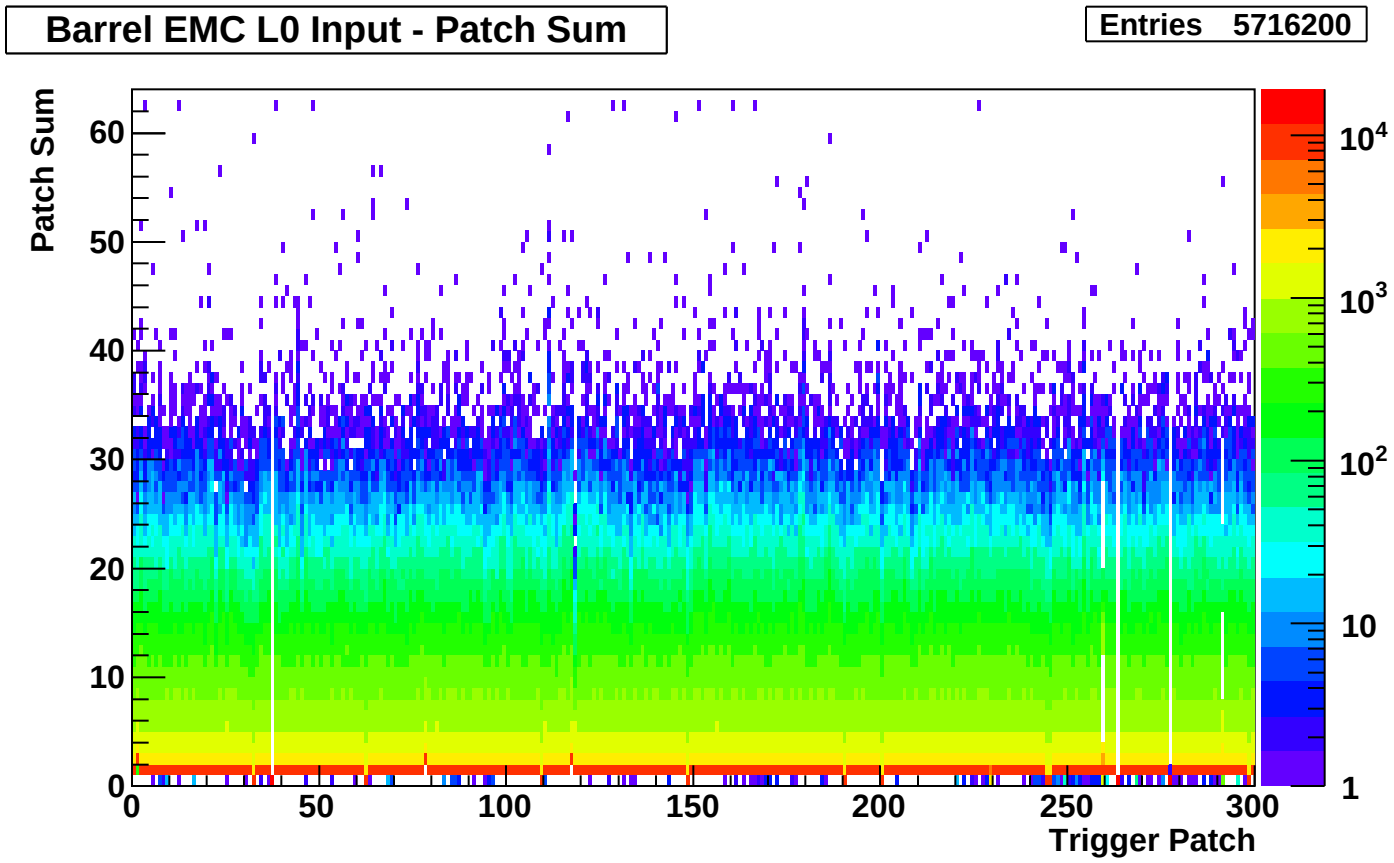

BunchId7Bit (BHT3)
Entries 162
10
1
0
20
40
60
80
100
120

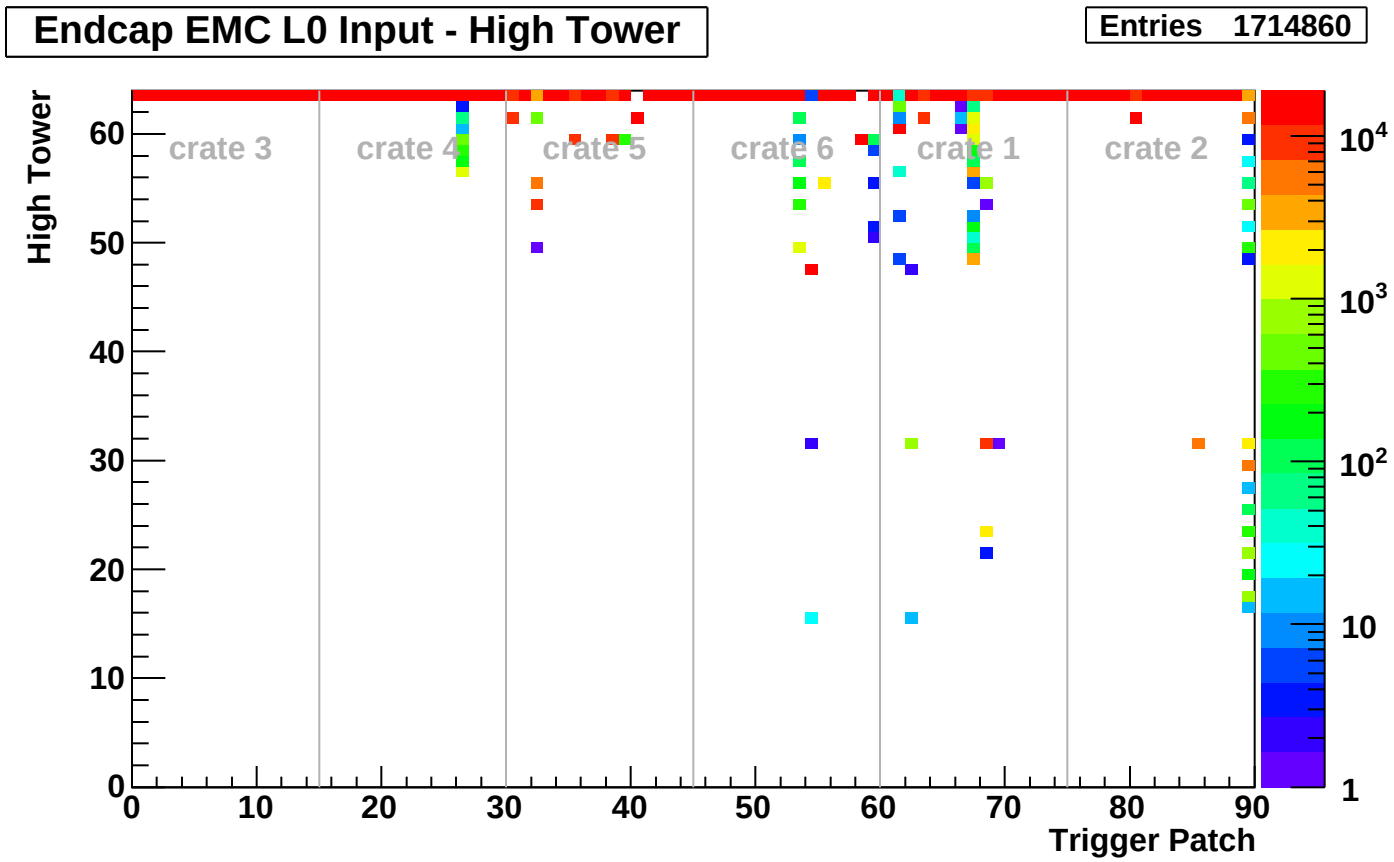

BunchId7Bit (all events)
Entries 19054
10^2
10
1
0
20
40
60
80
100
120

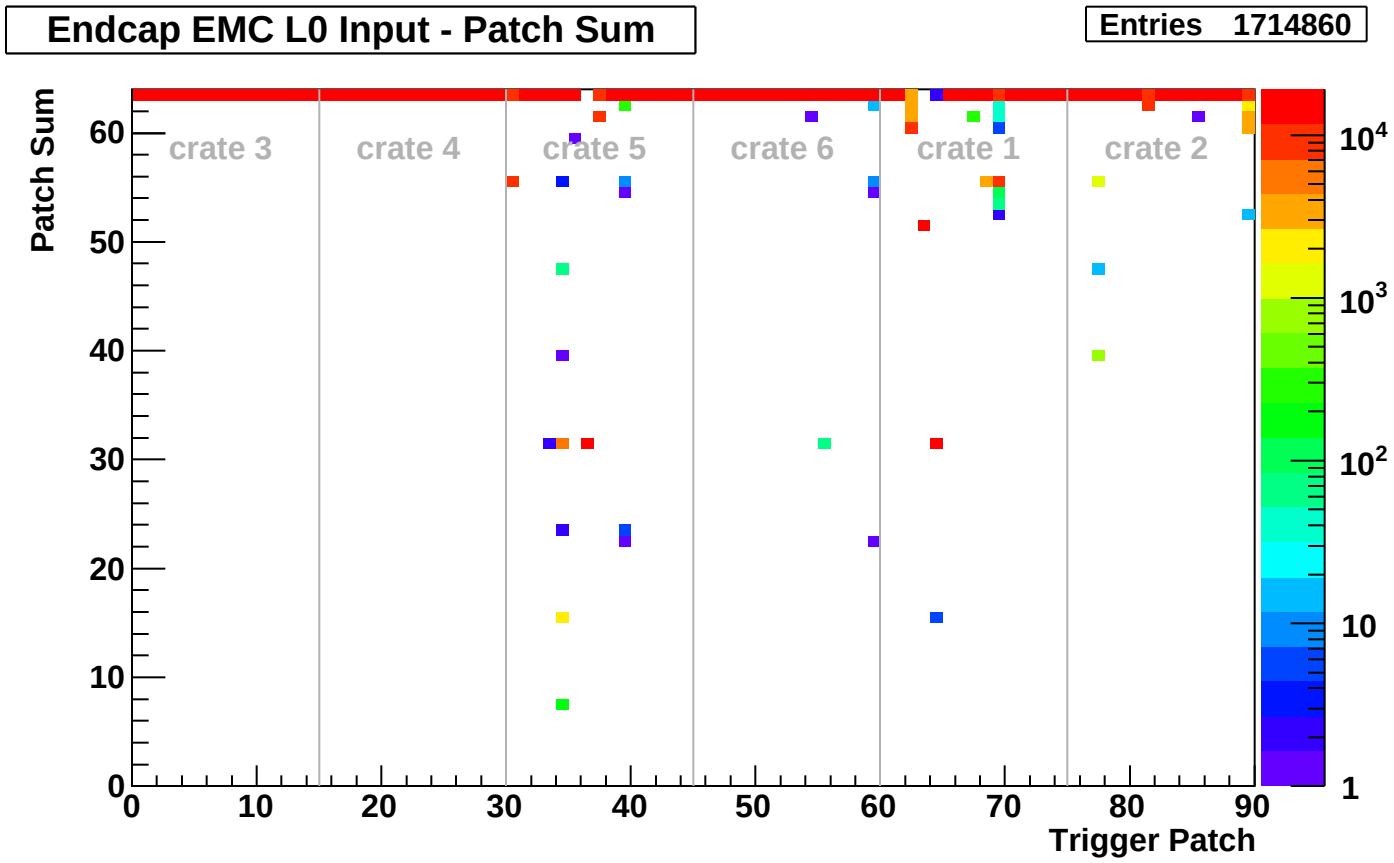

BunchId7Bit (JP1)
Entries 19054
10^2
10
1
0
20
40
60
80
100
120

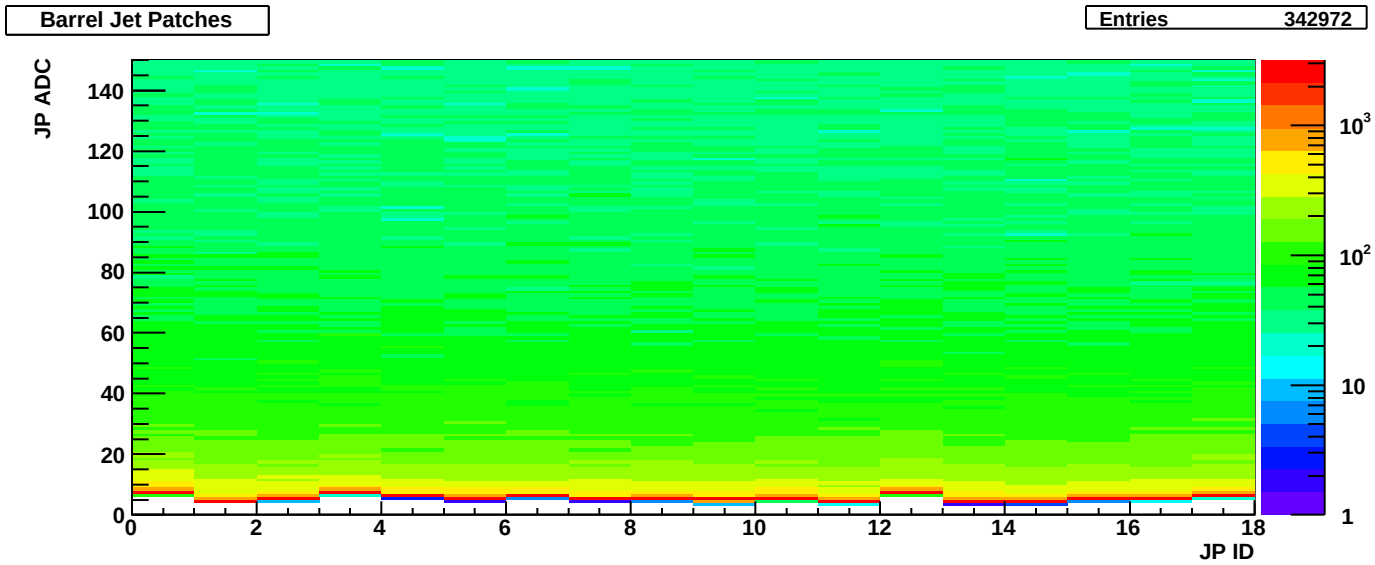

BunchId7Bit (JP2||AJP)
Entries 19054
10^2
10
1
0
20
40
60
80
100
120

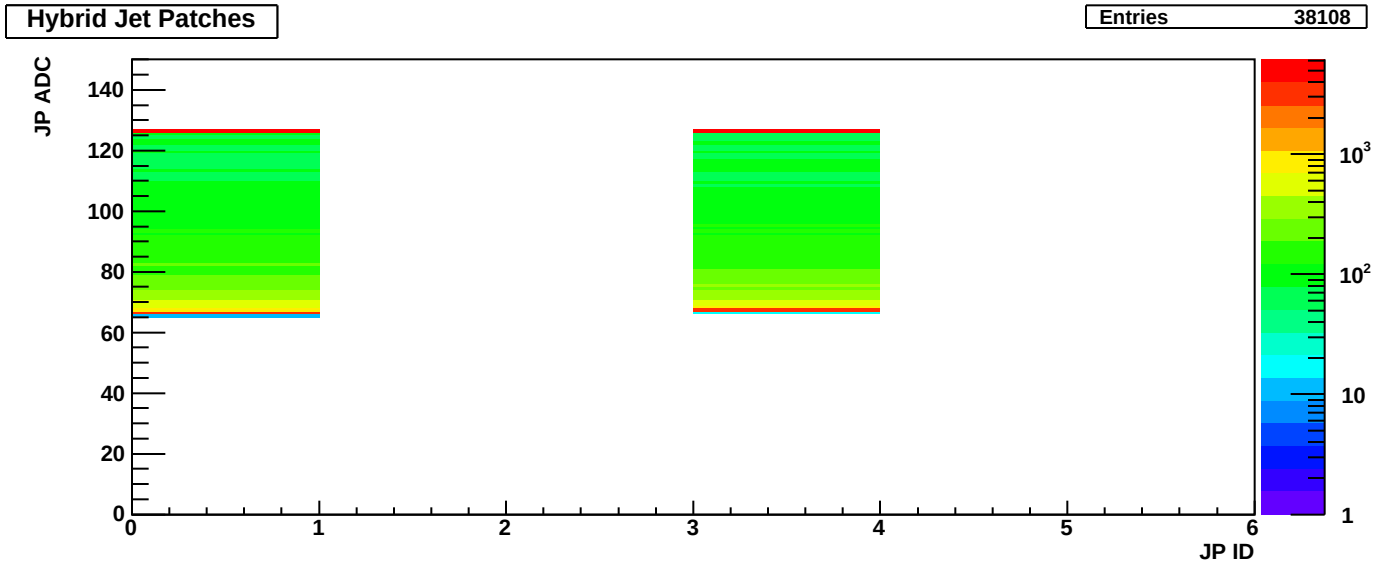

Barrel EMC L0 Input - High Tower
Entries 5716200
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

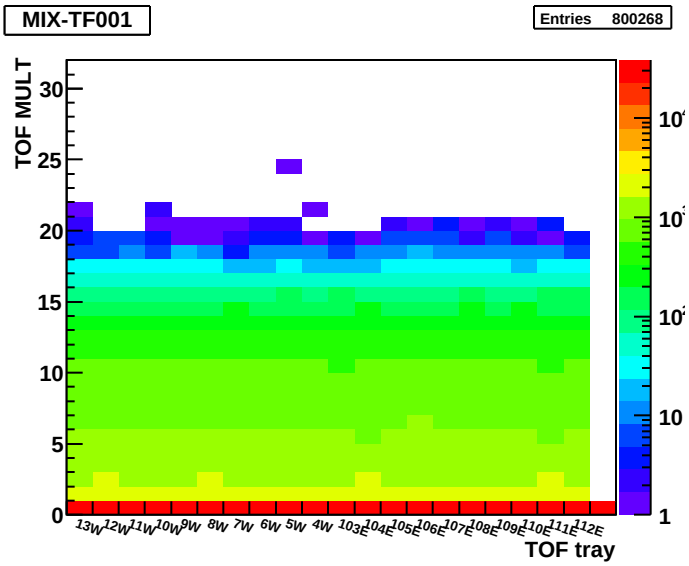

Barrel EMC L0 Input - Patch Sum
Entries 5716200
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

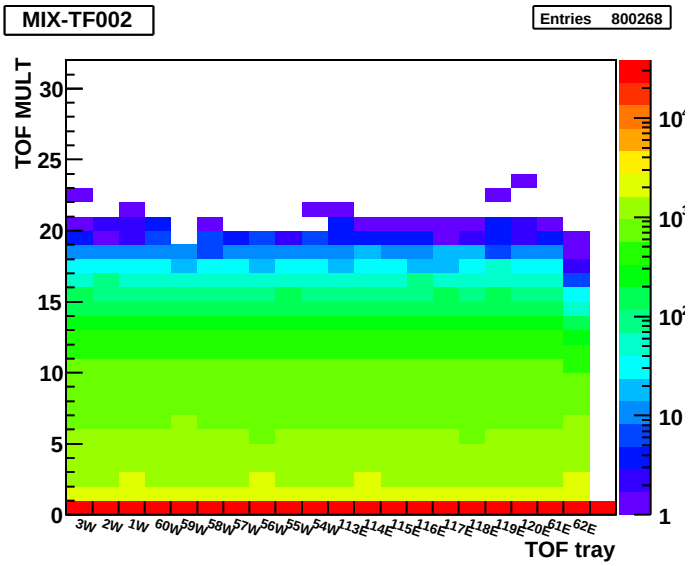

Endcap EMC L0 Input - High Tower
Entries 1714860
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

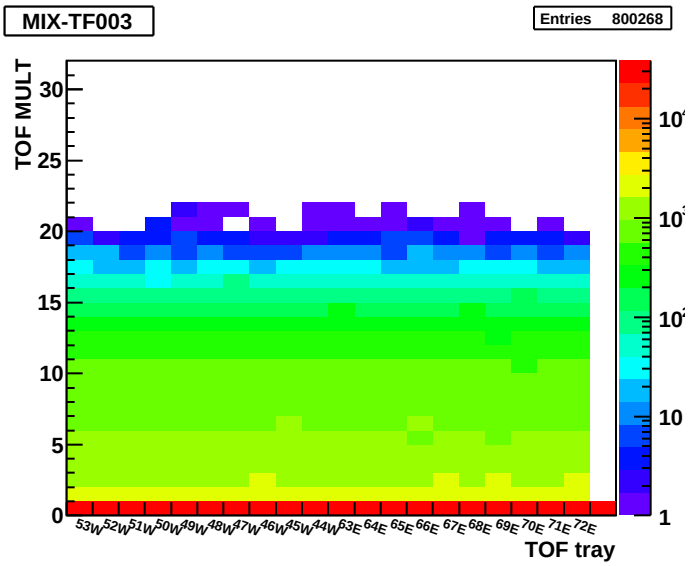

Endcap EMC L0 Input - Patch Sum
Entries 1714860
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

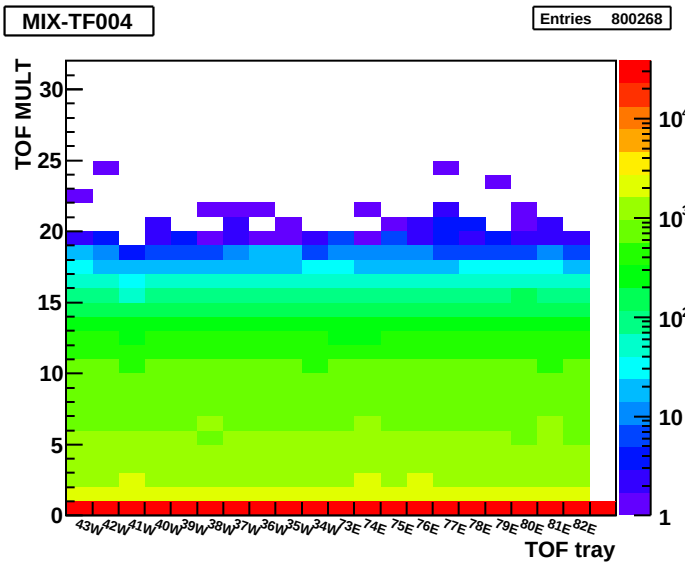

Barrel Jet Patches
Entries 342972
JP ADC
JP ID

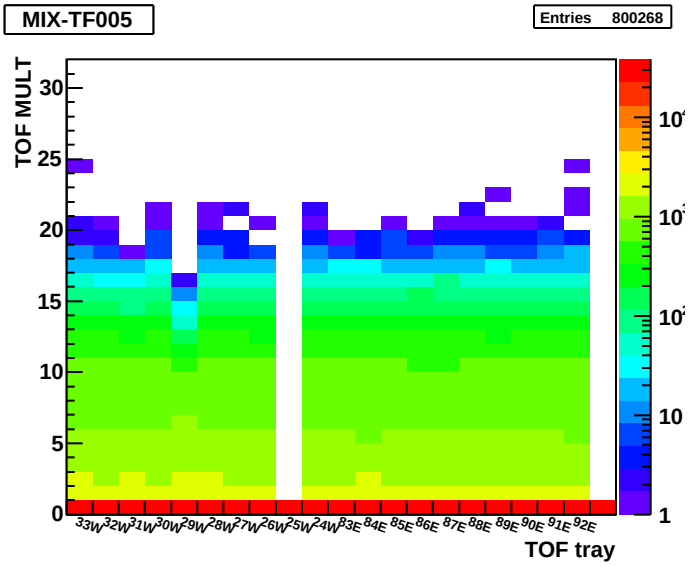

Hybrid Jet Patches
Entries 38108
JP ADC
JP ID

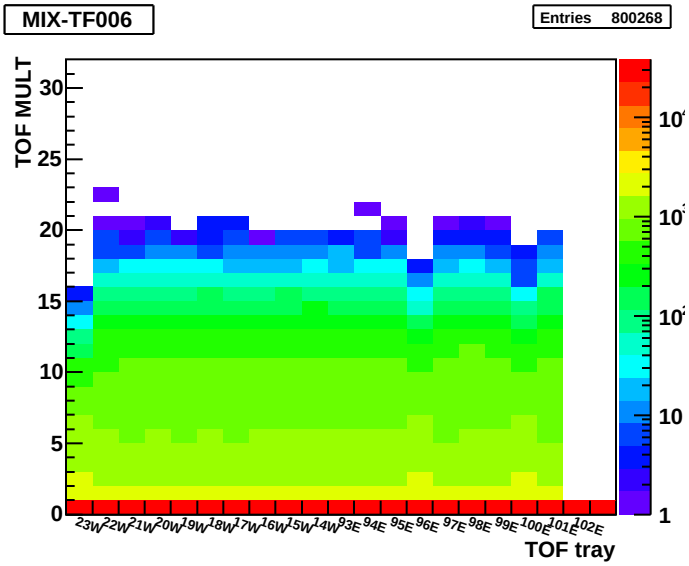

MIX-TF001
Entries 800268
TOF MULT
TOF tray

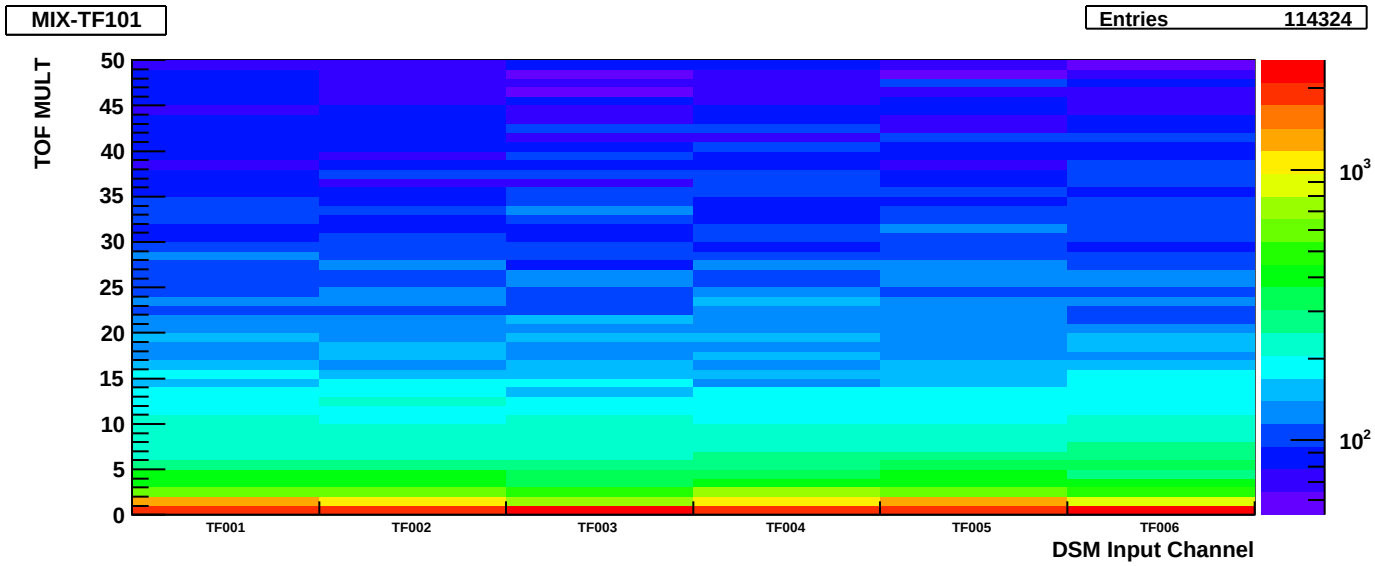

MIX-TF002
Entries 800268
TOF MULT
TOF tray

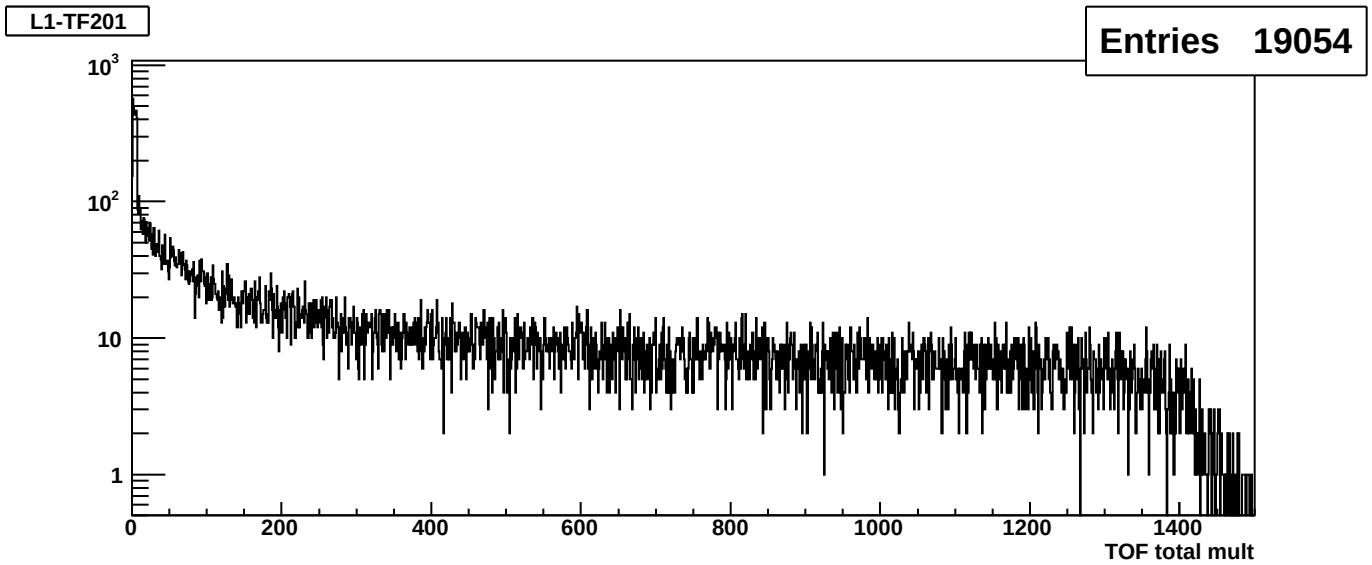

MIX-TF003
Entries 800268
TOF MULT
TOF tray

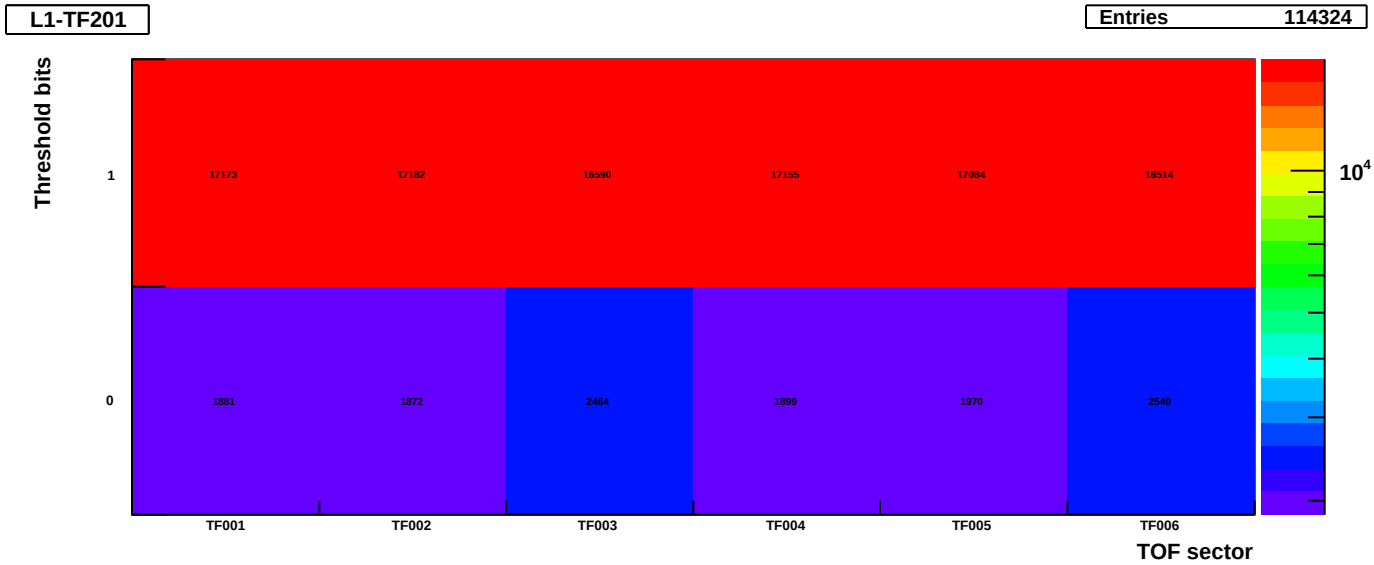

MIX-TF004
Entries 800268
TOF MULT
TOF tray

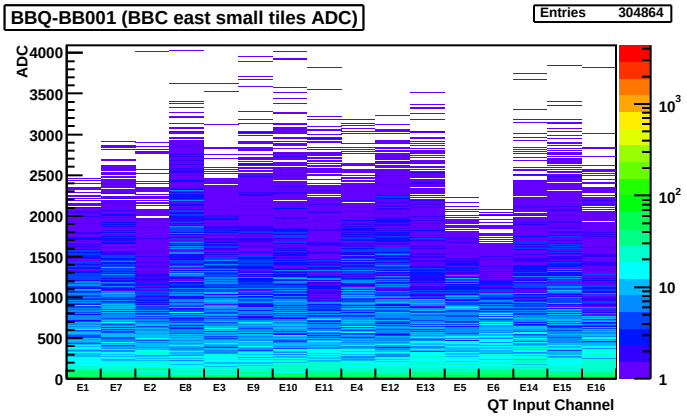

MIX-TF005
Entries 800268
TOF MULT
TOF tray

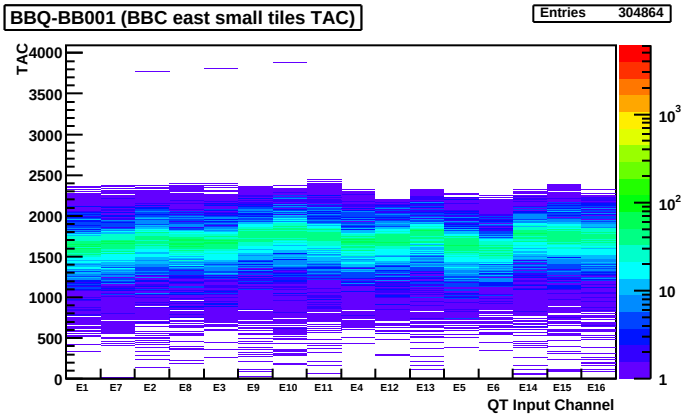

MIX-TF006
Entries 800268
TOF MULT
TOF tray

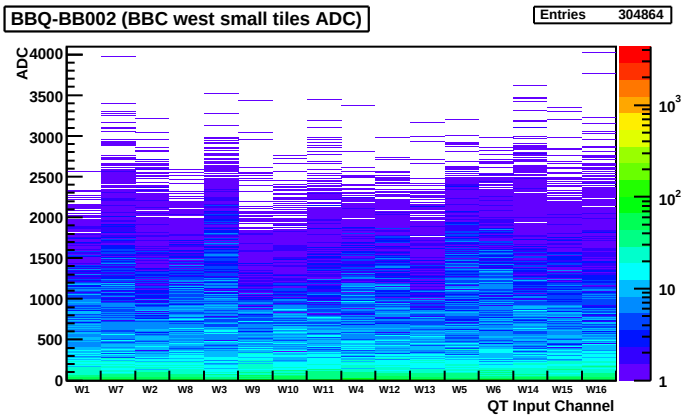

MIX-TF101
Entries 114324
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2

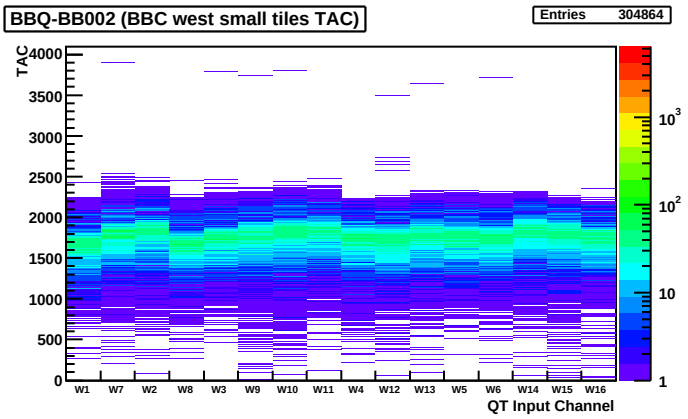

L1-TF201
Entries 19054
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

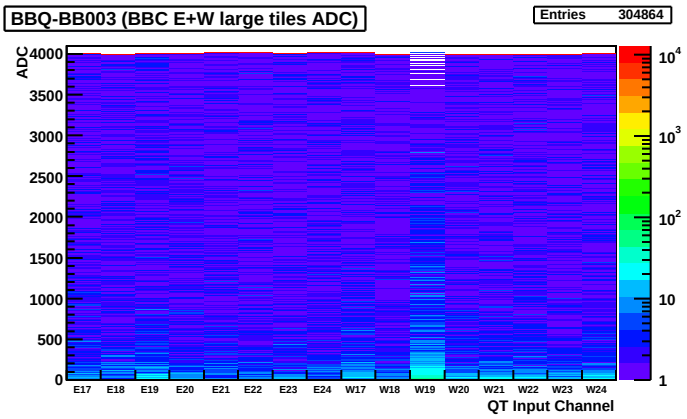

L1-TF201
Entries 114324
Threshold bits
1
0
17173
17182
16590
17155
17084
16514
1881
1872
2464
1899
1970
2540
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

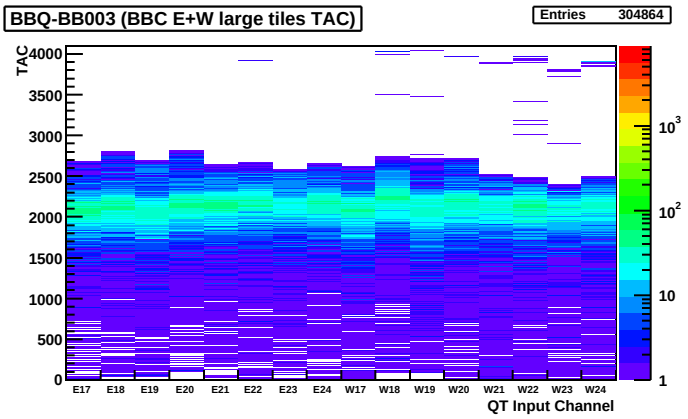

BBQ-BB001 (BBC east small tiles ADC)
Entries 304864
ADC
QT Input Channel

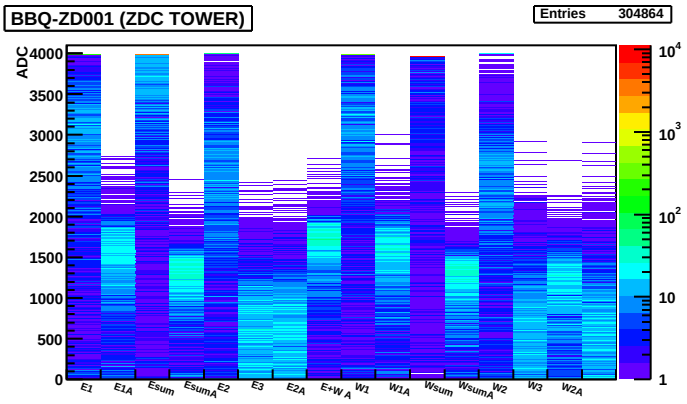

BBQ-BB001 (BBC east small tiles TAC)
Entries 304864
TAC
QT Input Channel

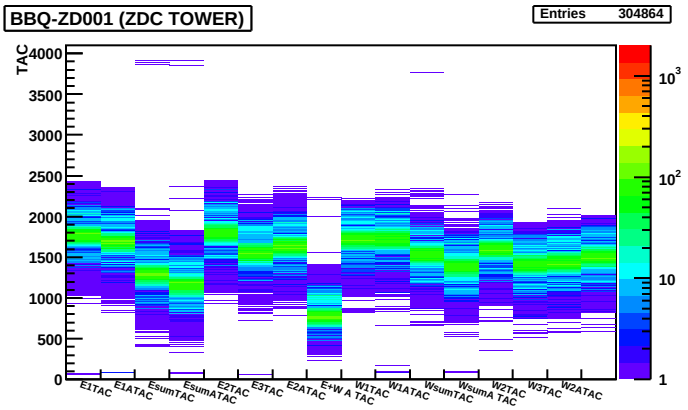

BBQ-BB002 (BBC west small tiles ADC)
Entries 304864
ADC
QT Input Channel

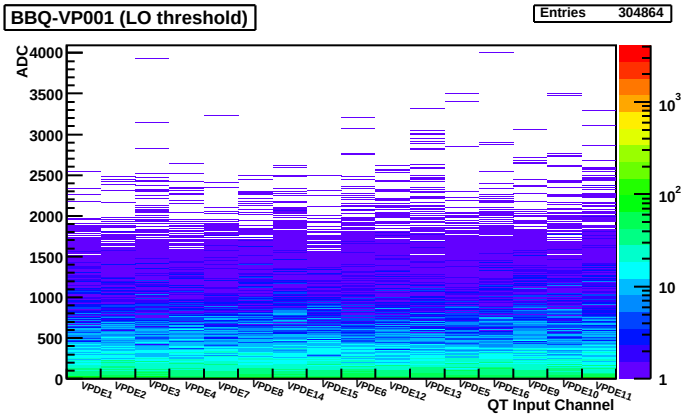

BBQ-BB002 (BBC west small tiles TAC)
Entries 304864
TAC
QT Input Channel

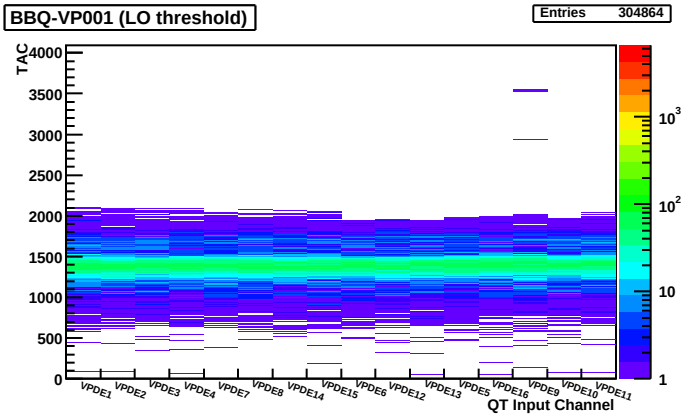

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 304864
ADC
QT Input Channel

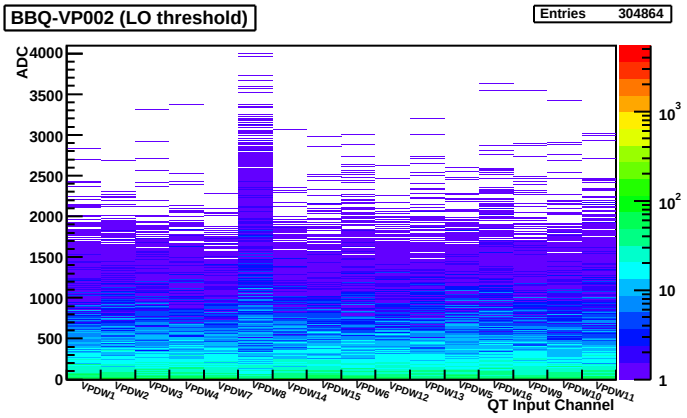

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 304864
TAC
QT Input Channel

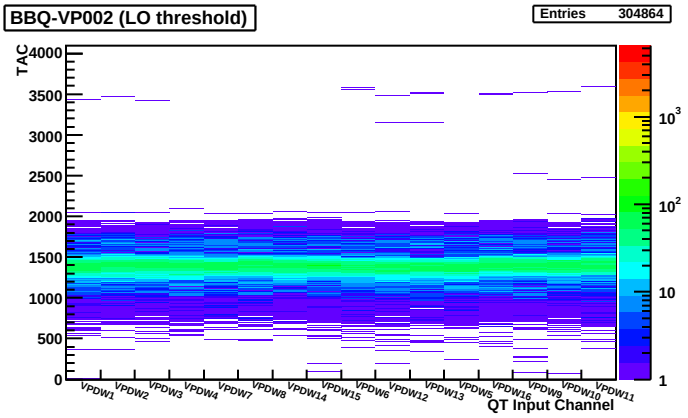

BBQ-ZD001 (ZDC TOWER)
Entries 304864
ADC

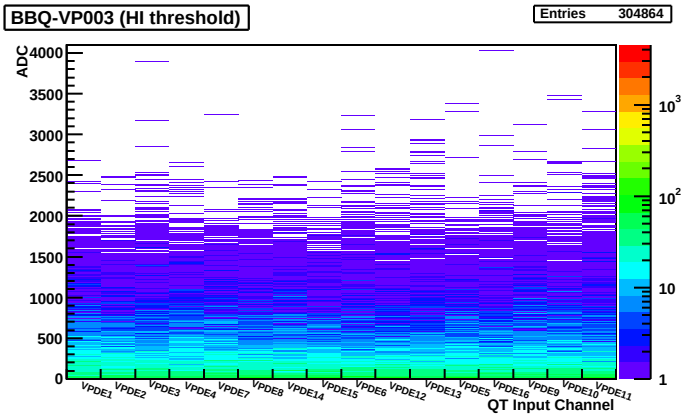

BBQ-ZD001 (ZDC TOWER)
Entries 304864
TAC

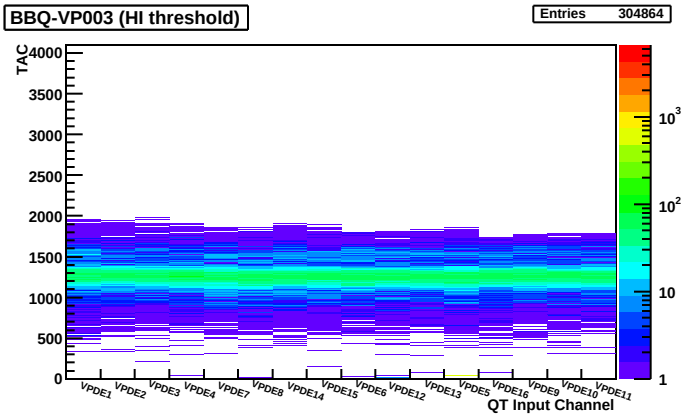

BBQ-VP001 (LO threshold)
Entries 304864
ADC
QT Input Channel

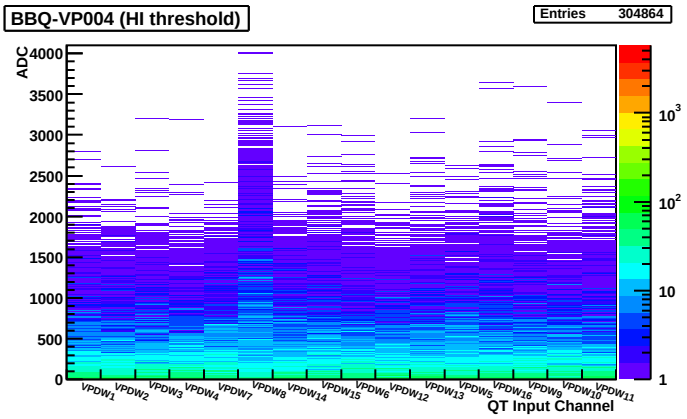

BBQ-VP001 (LO threshold)
Entries 304864
TAC
QT Input Channel

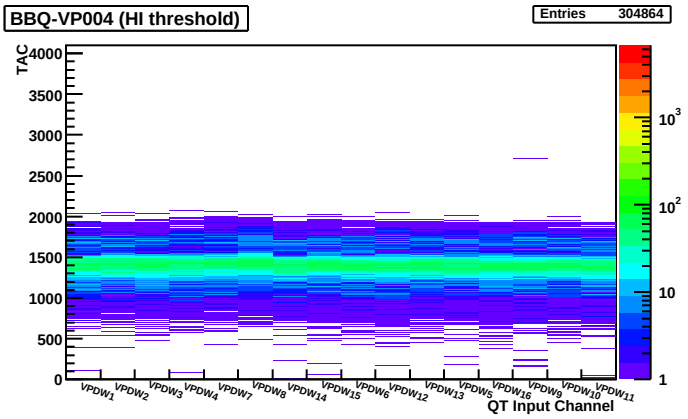

BBQ-VP002 (LO threshold)
Entries 304864
ADC
QT Input Channel

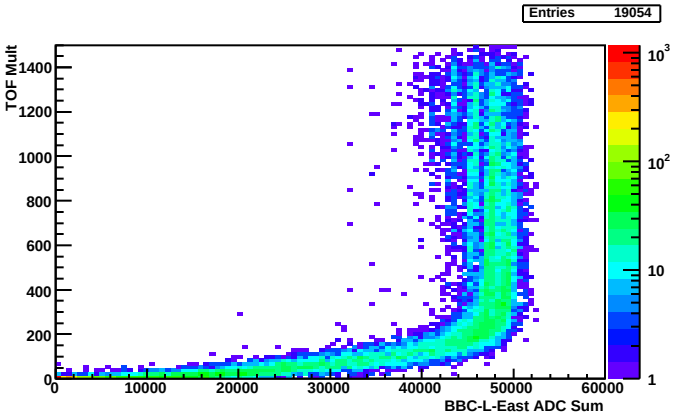

BBQ-VP002 (LO threshold)
Entries 304864
TAC
QT Input Channel

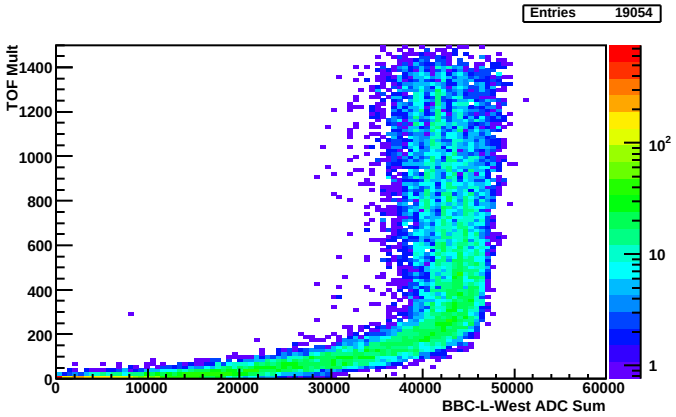

BBQ-VP003 (HI threshold)
Entries 304864
ADC
QT Input Channel

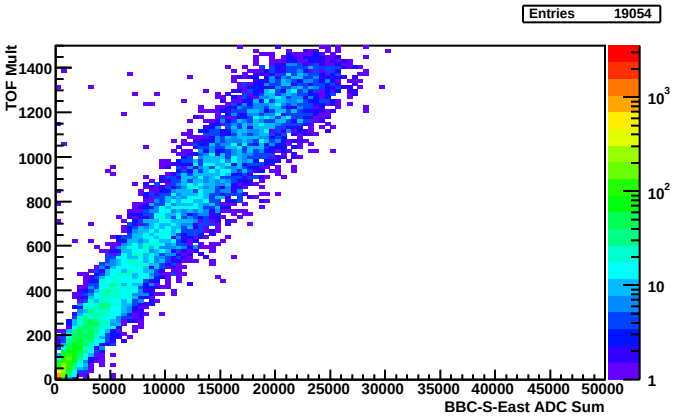

BBQ-VP003 (HI threshold)
Entries 304864
TAC
QT Input Channel

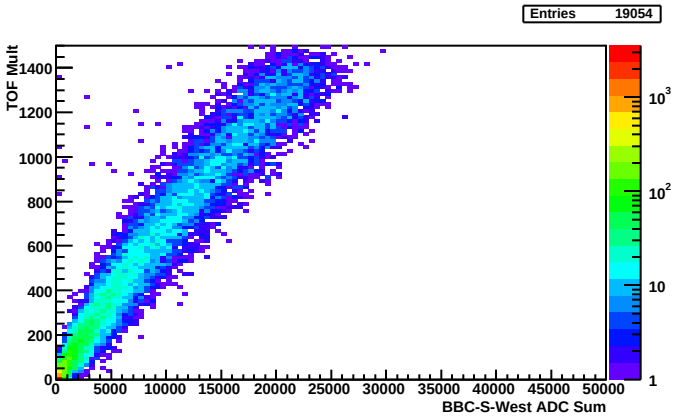

BBQ-VP004 (HI threshold)
Entries 304864
ADC
QT Input Channel

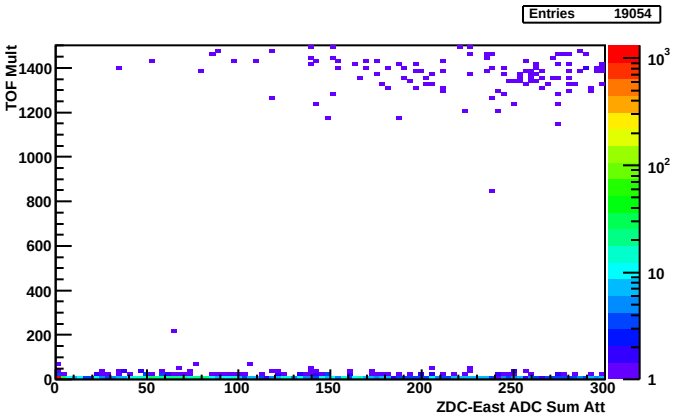

BBQ-VP004 (HI threshold)
Entries 304864
TAC
QT Input Channel

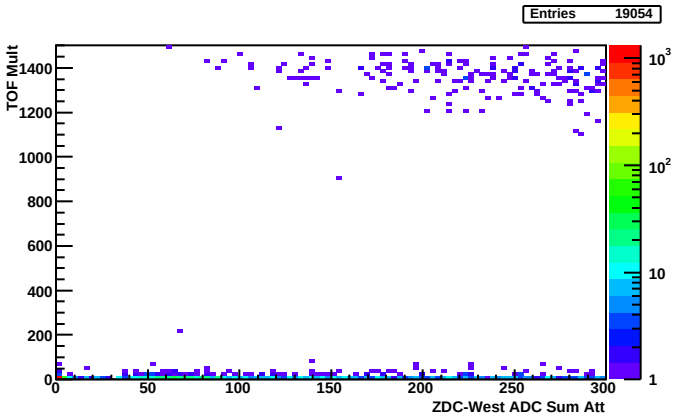

Entries 19054
TOF Mult
BBC-L-East ADC Sum

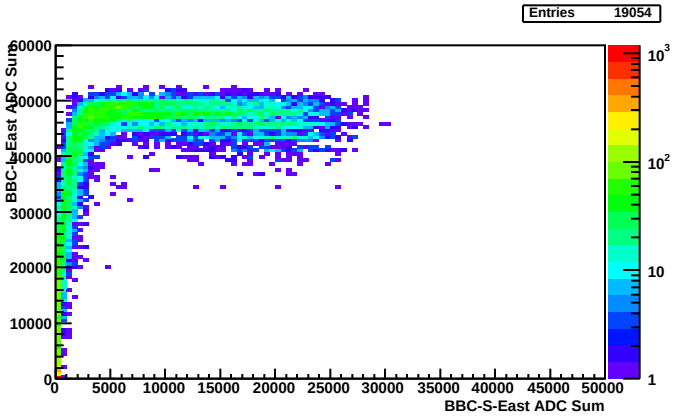

Entries 19054
TOF Mult
BBC-L-West ADC Sum

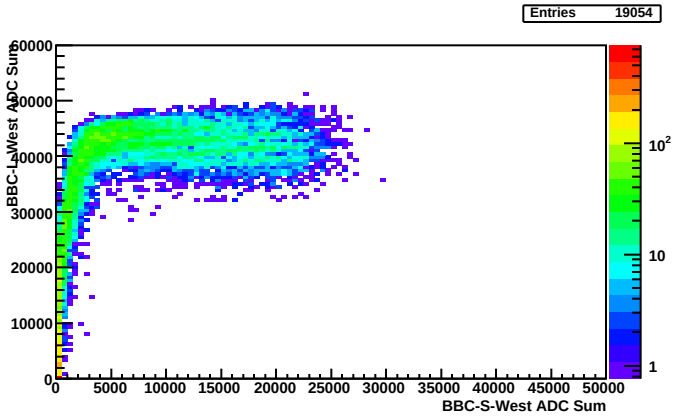

Entries 19054
TOF Mult
BBC-S-East ADC Sum

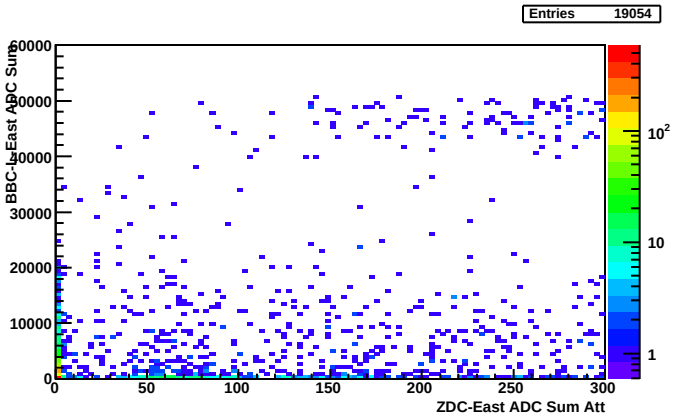

Entries 19054
TOF Mult
BBC-S-West ADC Sum

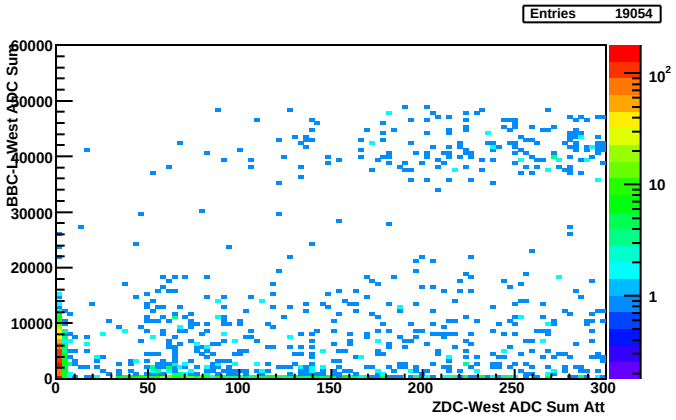

Entries 19054
TOF Mult
ZDC-East ADC Sum Att


Entries 19054
TOF Mult
ZDC-West ADC Sum Att


Entries 19054
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 19054
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 19054
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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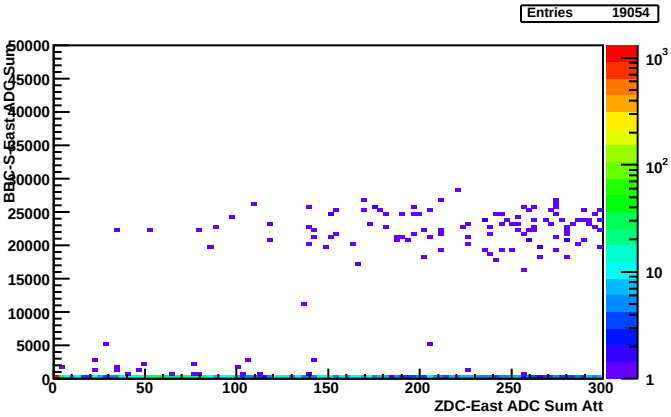
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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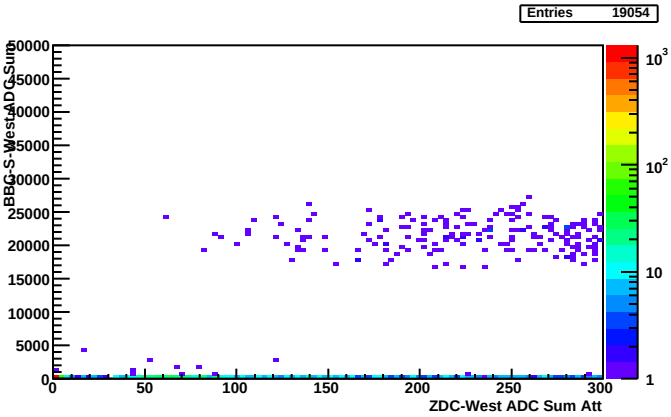
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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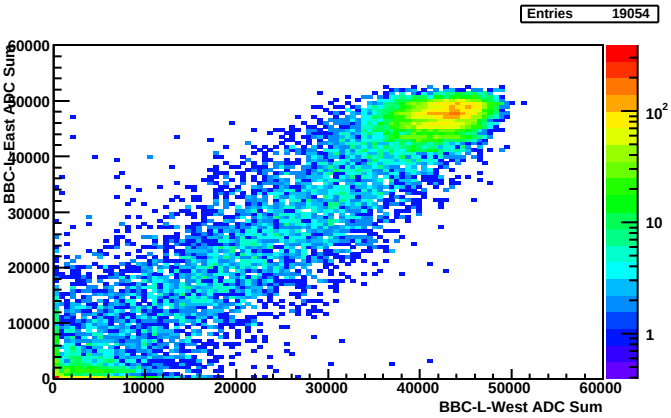
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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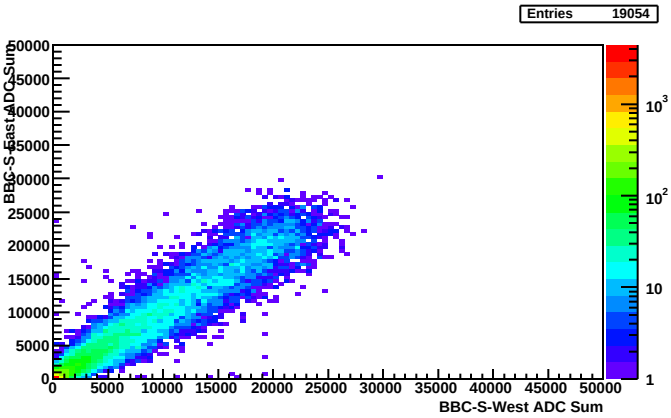
BBC-L-East ADC Sum
BBC-L-West ADC Sum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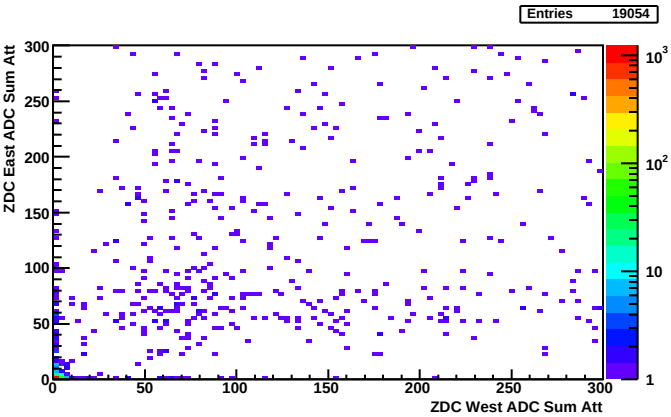
BBC-S-East ADC Sum
BBC-S-West ADC Sum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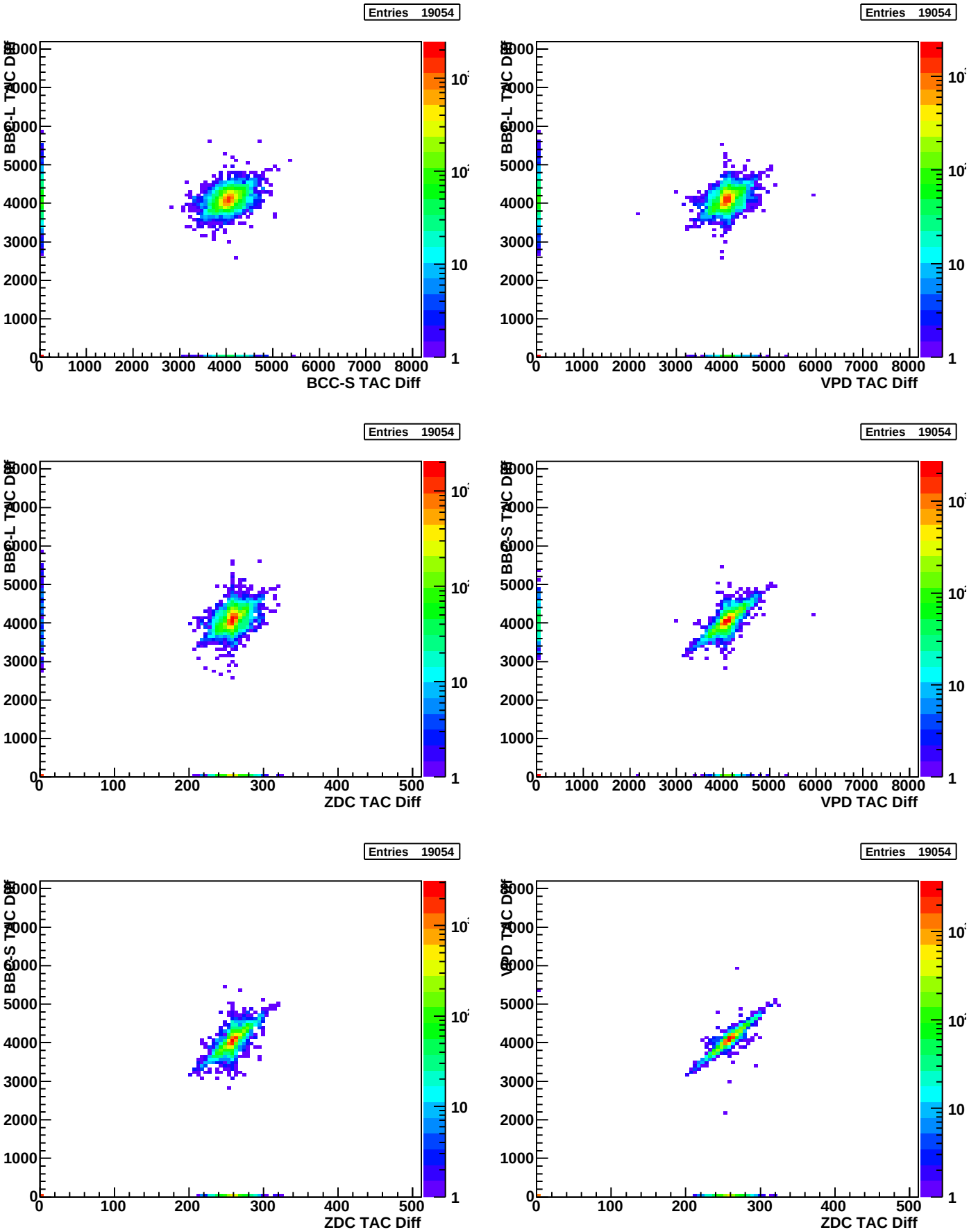
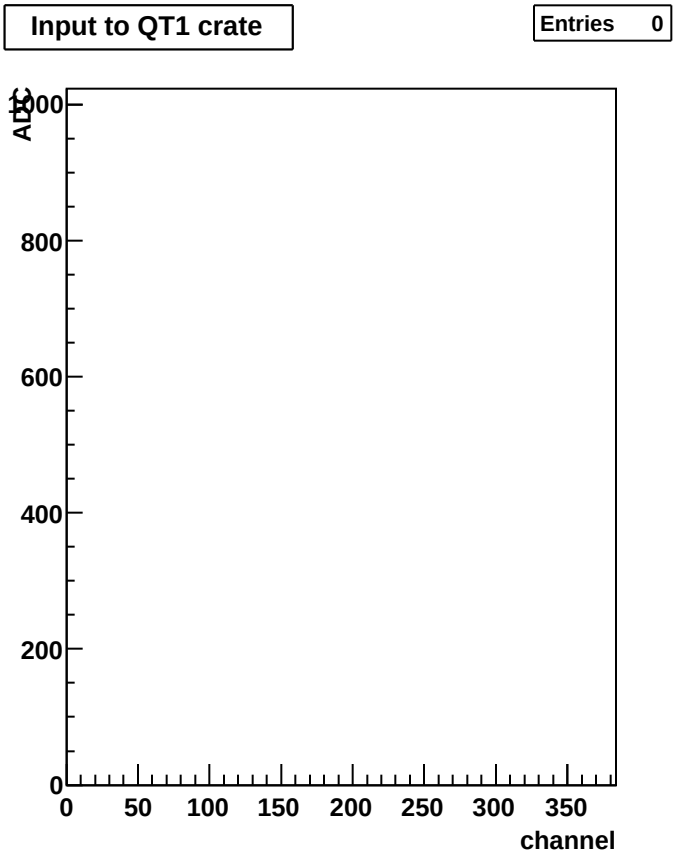
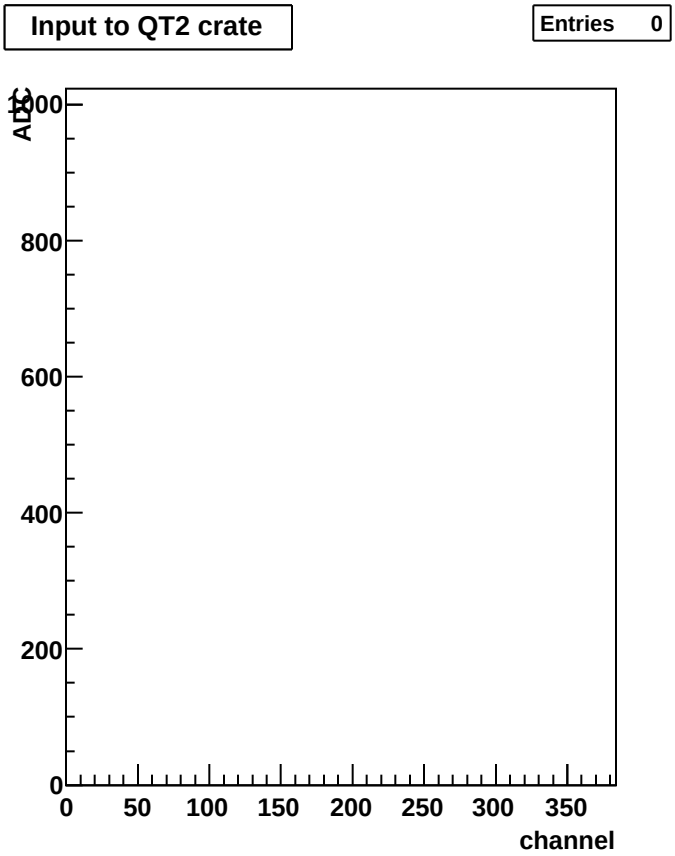
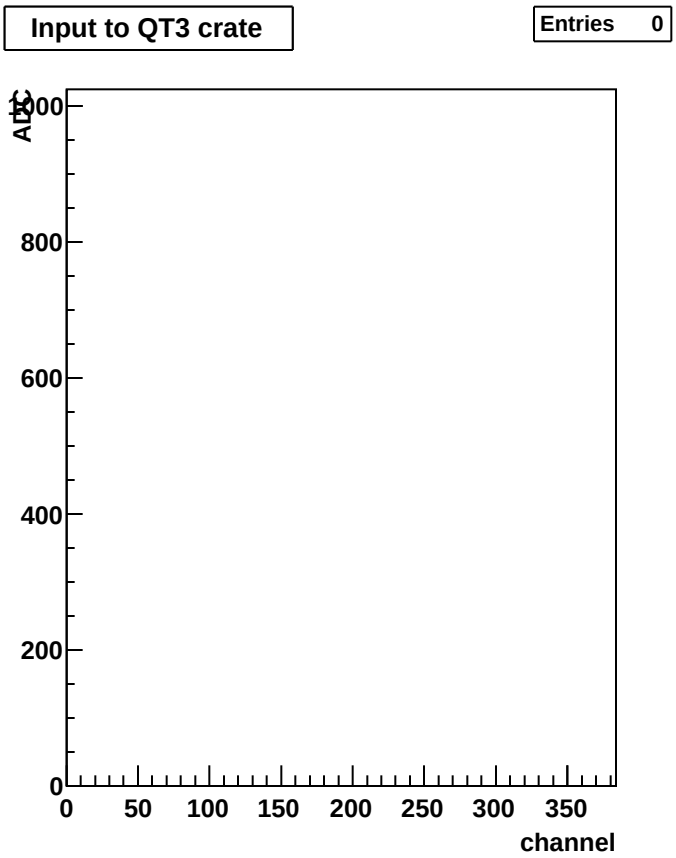
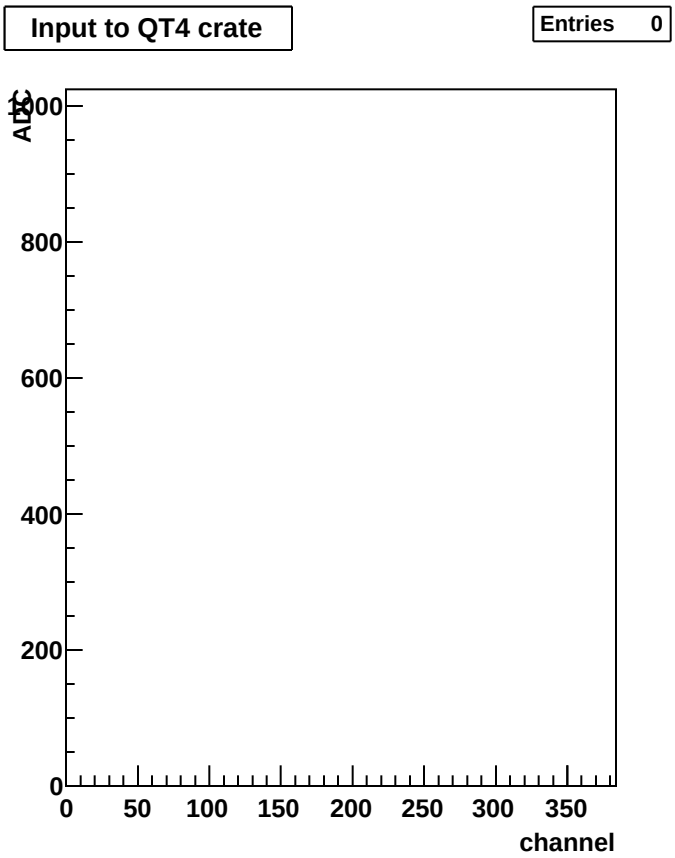
ZDC East ADC Sum Att
ZDC West ADC Sum Att

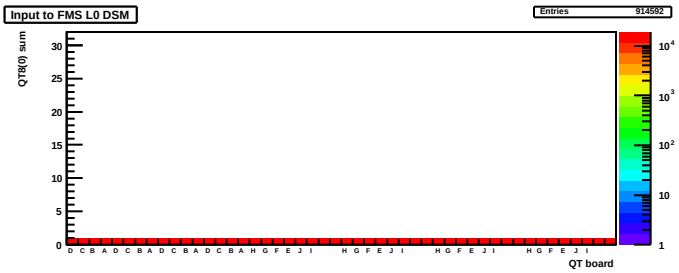

Entries 19054
BBC-L TAC Diff
BCC-S TAC Diff
Entries 19054
BBC-L TAC Diff
VPD TAC Diff
Entries 19054
BBC-L TAC Diff
ZDC TAC Diff
Entries 19054
BBC-S TAC Diff
VPD TAC Diff
Entries 19054
BBC-S TAC Diff
ZDC TAC Diff
Entries 19054
VPD TAC Diff
ZDC TAC Diff

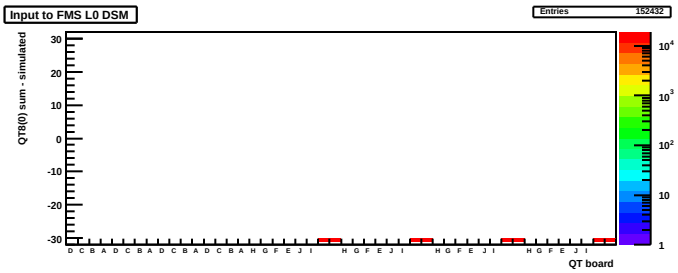

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

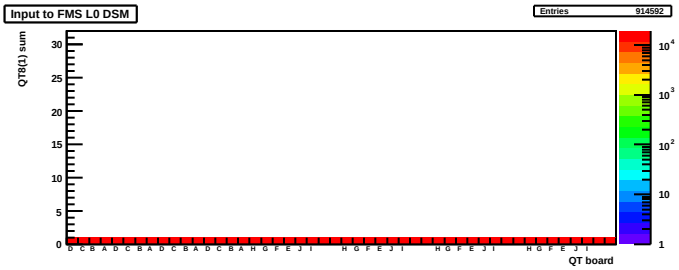

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

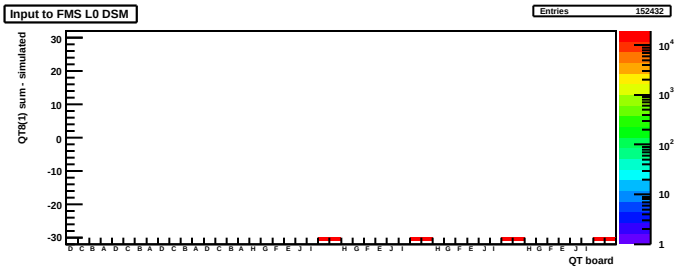

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

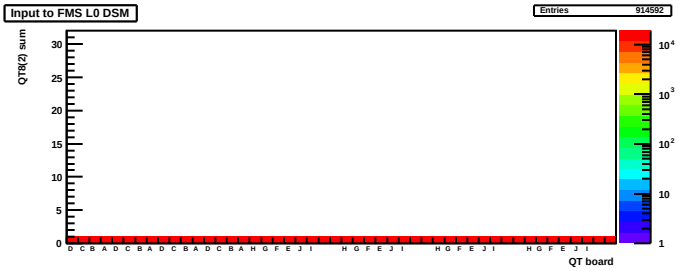

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

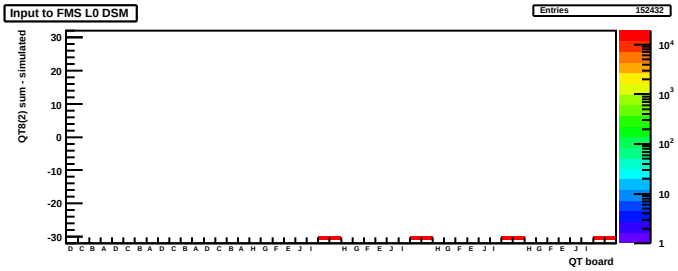

Input to FMS L0 DSM
Entries 914592
QT8(0) sum
QT board

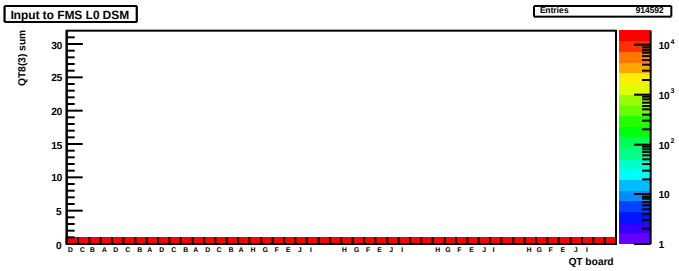

Input to FMS L0 DSM
Entries 152432
QT8(0) sum - simulated
QT board

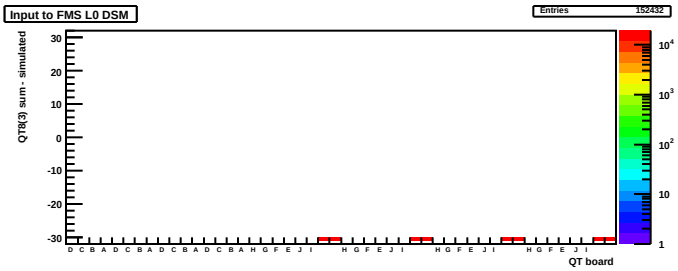

Input to FMS L0 DSM
Entries 914592
QT8(1) sum
QT board

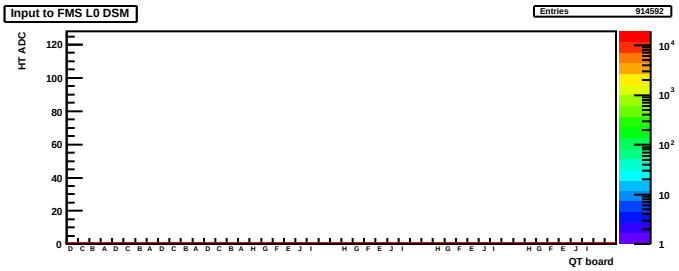

Input to FMS L0 DSM
Entries 152432
QT8(1) sum - simulated
QT board

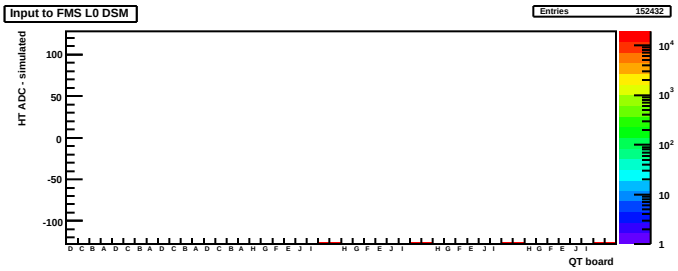

Input to FMS L0 DSM
Entries 914592
QT8(2) sum
QT board

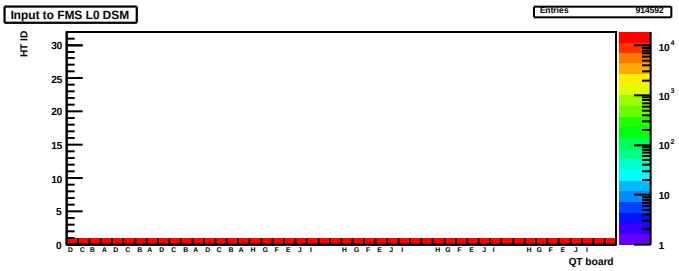

Input to FMS L0 DSM
Entries 152432
QT8(2) sum - simulated
QT board

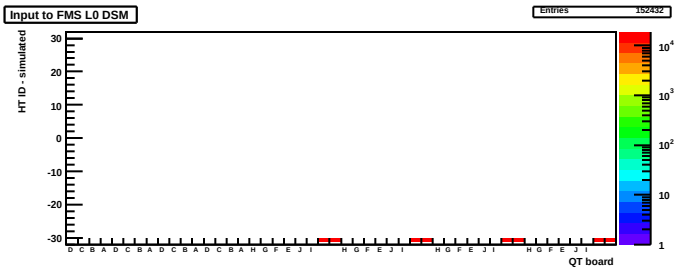

Input to FMS L0 DSM
Entries 914592
QT8(3) sum
QT board

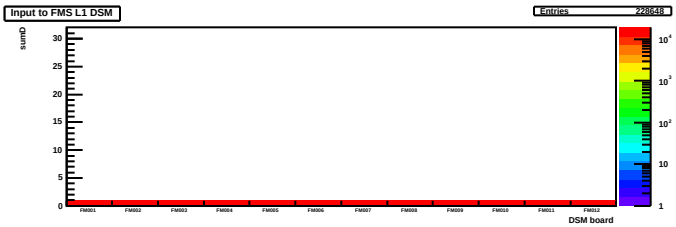

Input to FMS L0 DSM
Entries 152432
QT8(3) sum - simulated
QT board

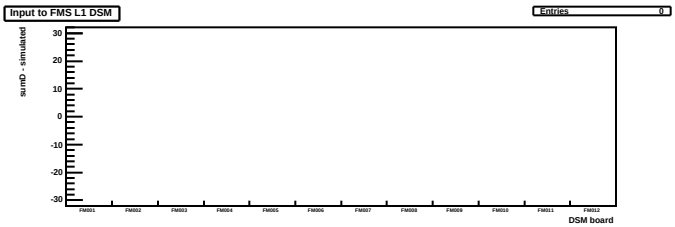

Input to FMS L0 DSM
Entries 914592
HT ADC
QT board

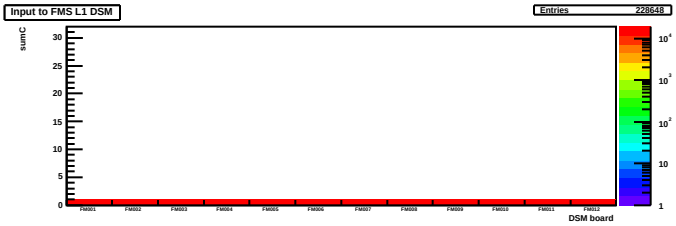

Input to FMS L0 DSM
Entries 152432
HT ADC - simulated
QT board

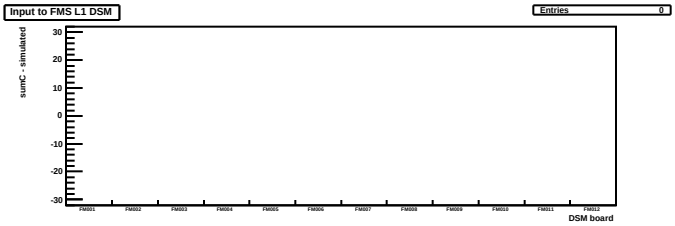

Input to FMS L0 DSM
Entries 914592
HT ID
QT board

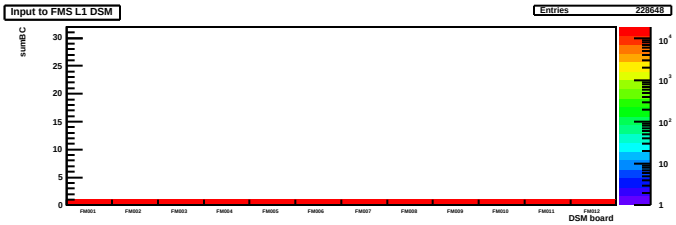

Input to FMS L0 DSM
Entries 152432
HT ID - simulated
QT board

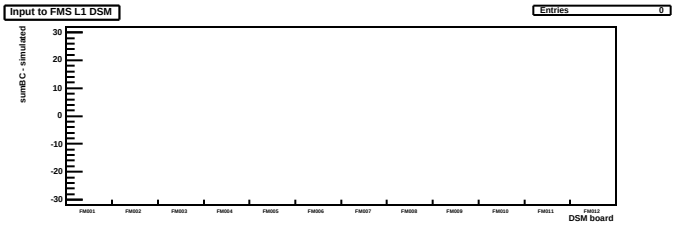

Input to FMS L1 DSM
Entries 228648
sumD
DSM board

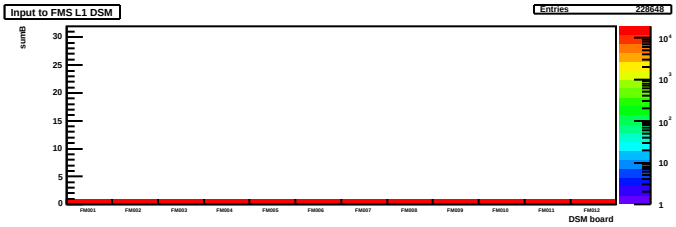

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

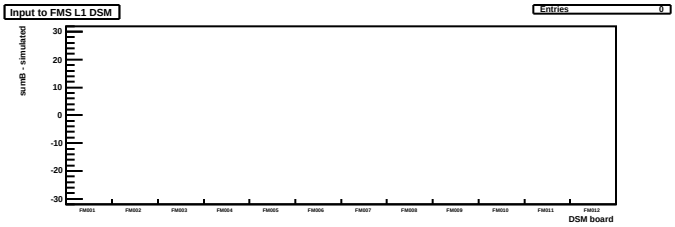

Input to FMS L1 DSM
Entries 228648
sumC
DSM board

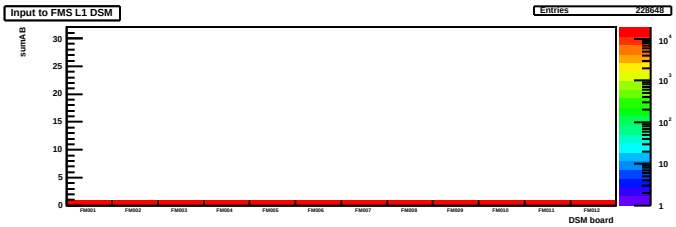

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

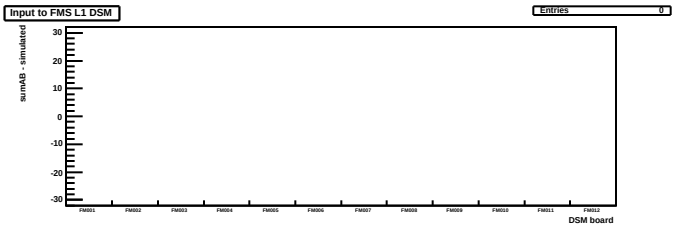

Input to FMS L1 DSM
Entries 228648
sumBC
DSM board

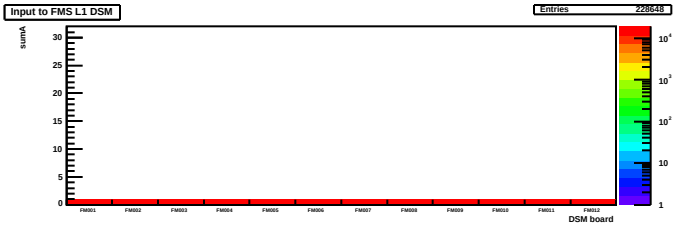

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

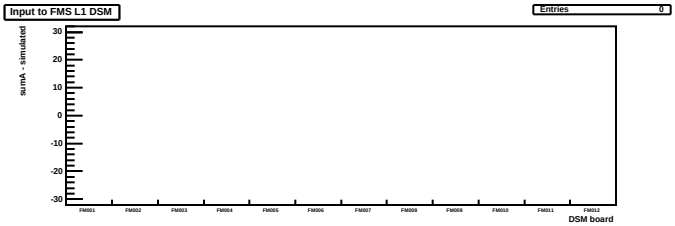

Input to FMS L1 DSM
Entries 228648
sumB
DSM board

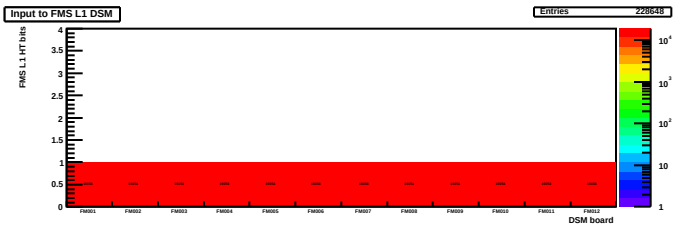

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

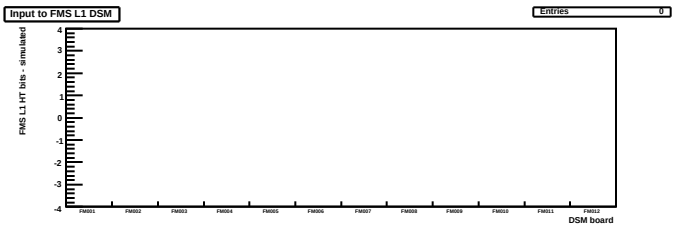

Input to FMS L1 DSM
Entries 228648
sumAB
DSM board

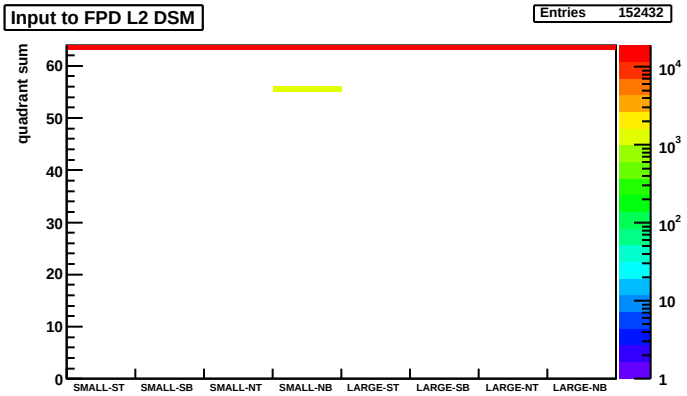

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

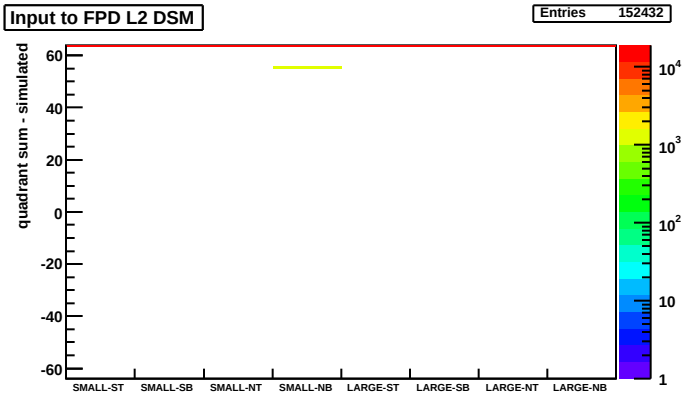

Input to FMS L1 DSM
Entries 228648
sumA
DSM board

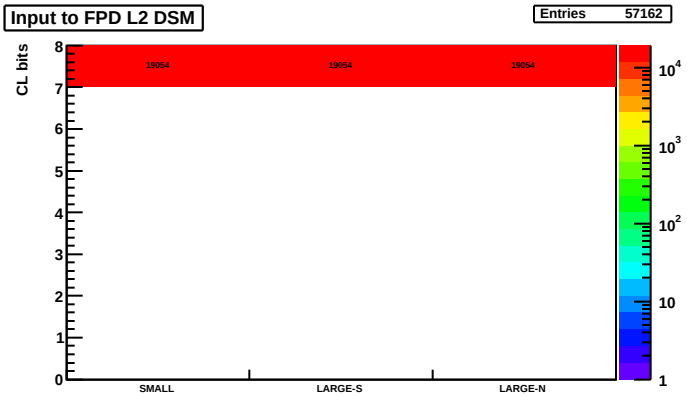

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

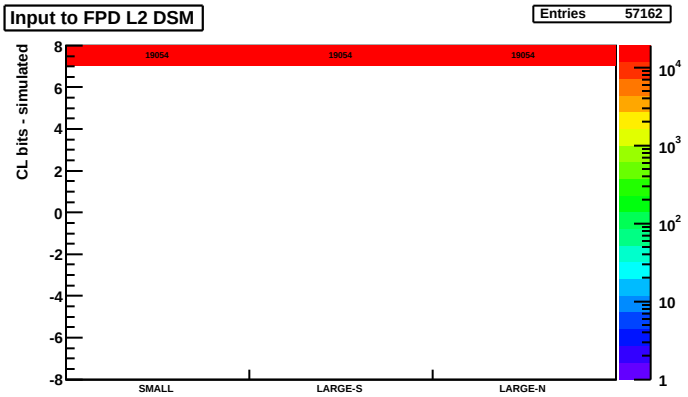

Input to FMS L1 DSM
Entries 228648
FMS L1 HT bits
DSM board

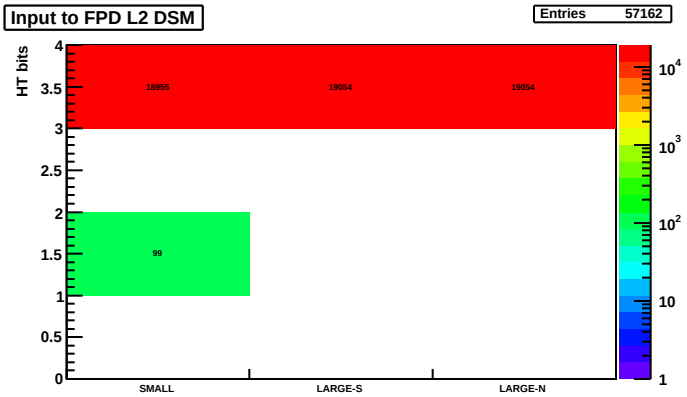

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

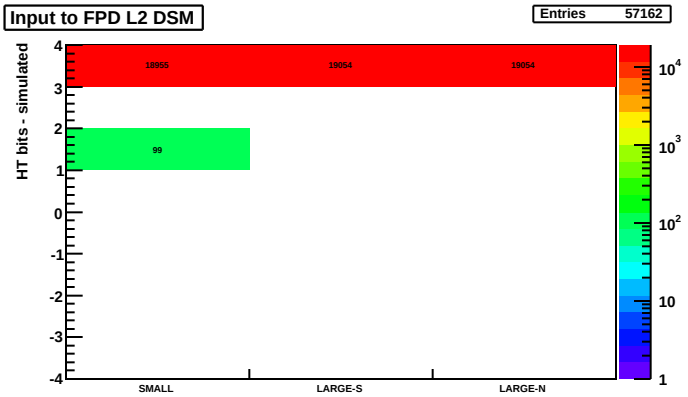

Input to FPD L2 DSM
Entries 152432
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

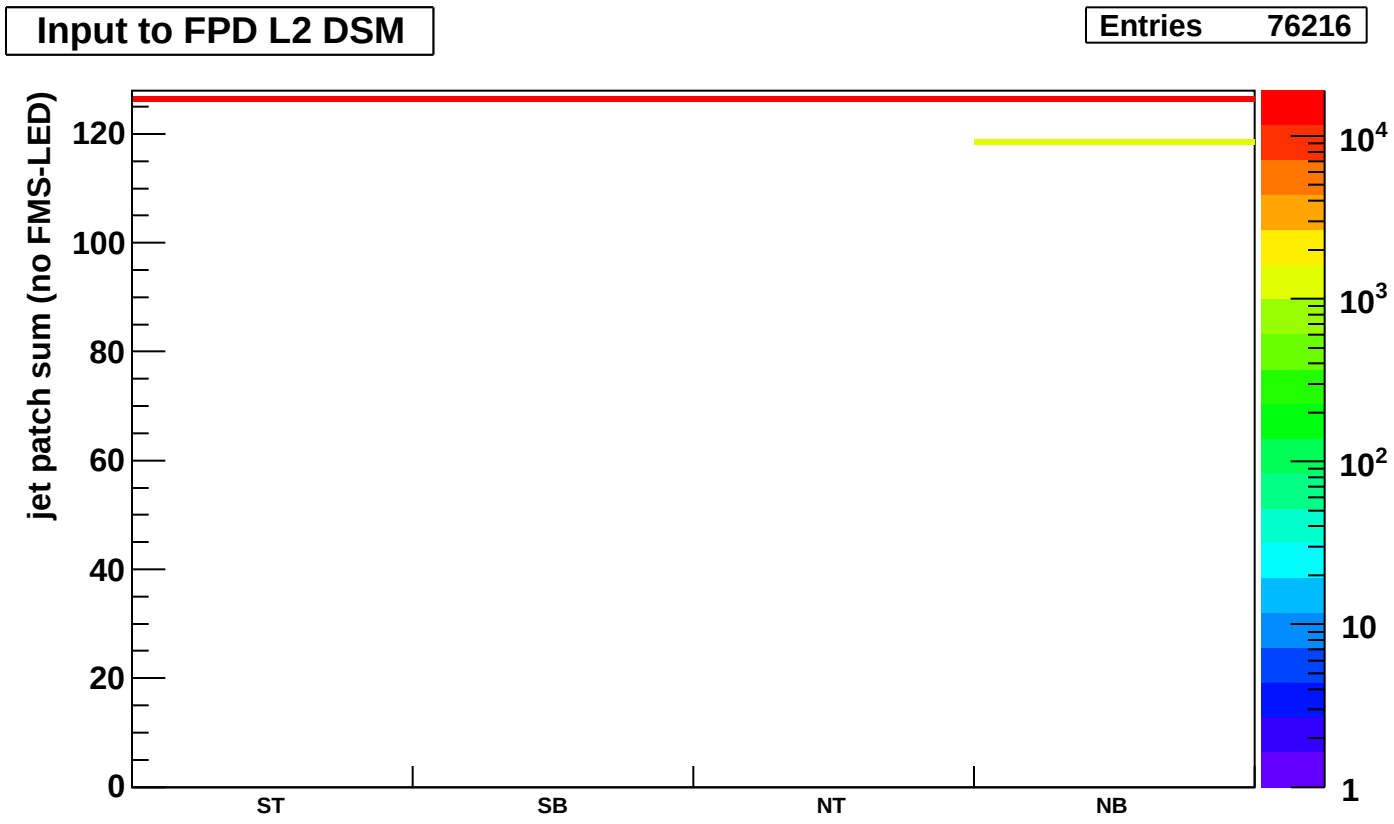

Input to FPD L2 DSM
Entries 152432
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

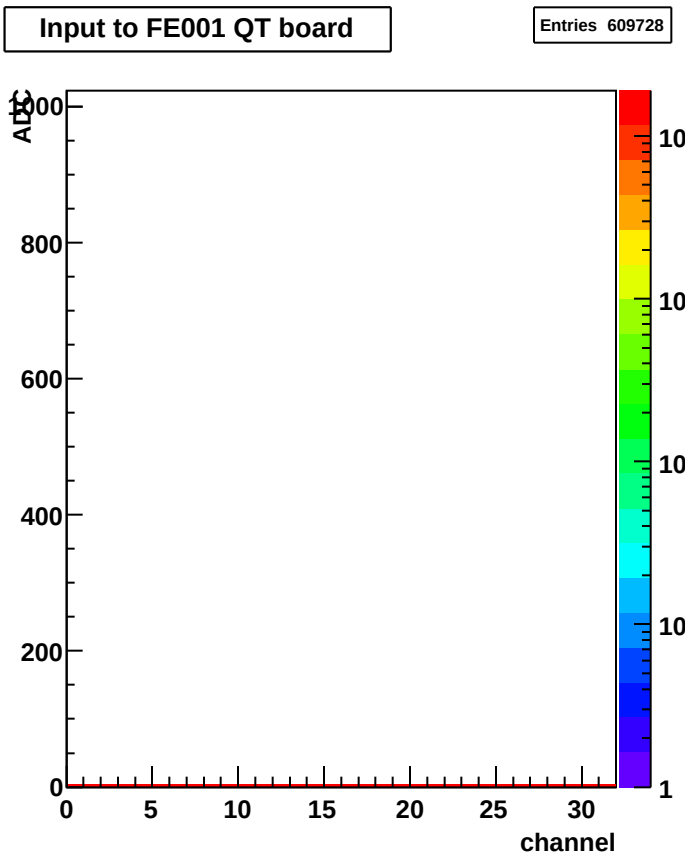

Input to FPD L2 DSM
Entries 57162
CL bits
19054
19054
19054
SMALL
LARGE-S
LARGE-N

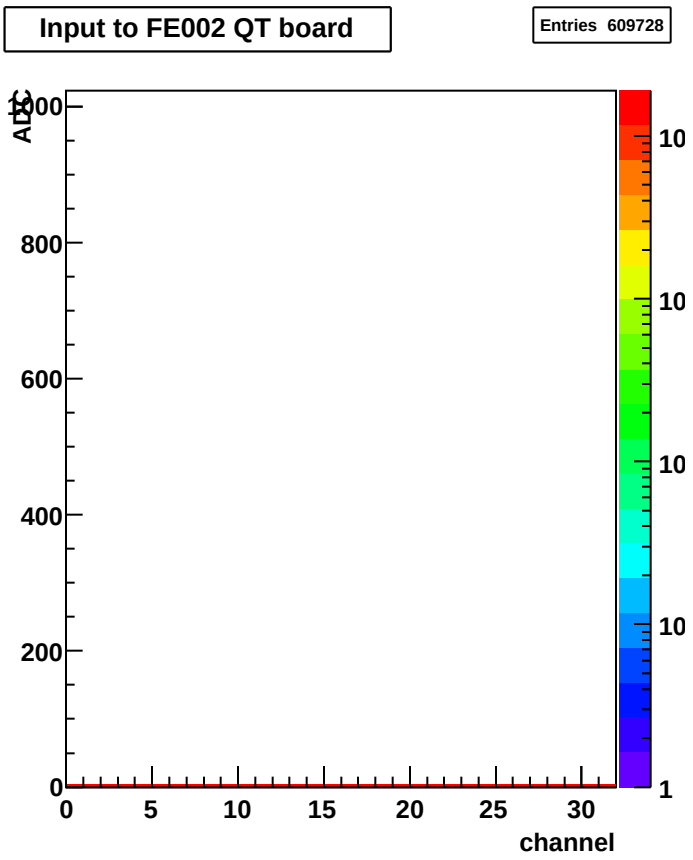

Input to FPD L2 DSM
Entries 57162
CL bits - simulated
19054
19054
19054
SMALL
LARGE-S
LARGE-N

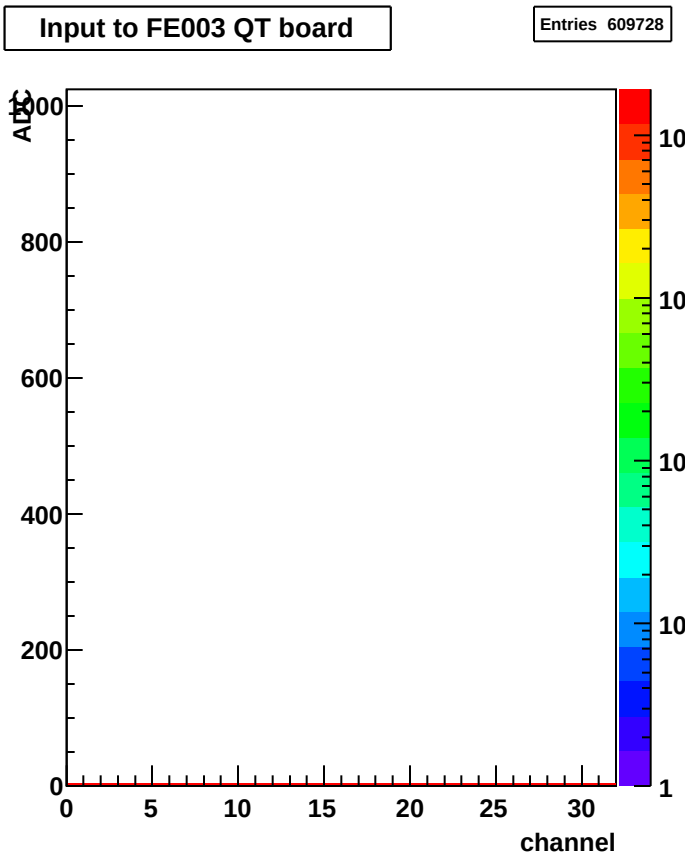

Input to FPD L2 DSM
Entries 57162
HT bits
18955
19054
19054
99
SMALL
LARGE-S
LARGE-N

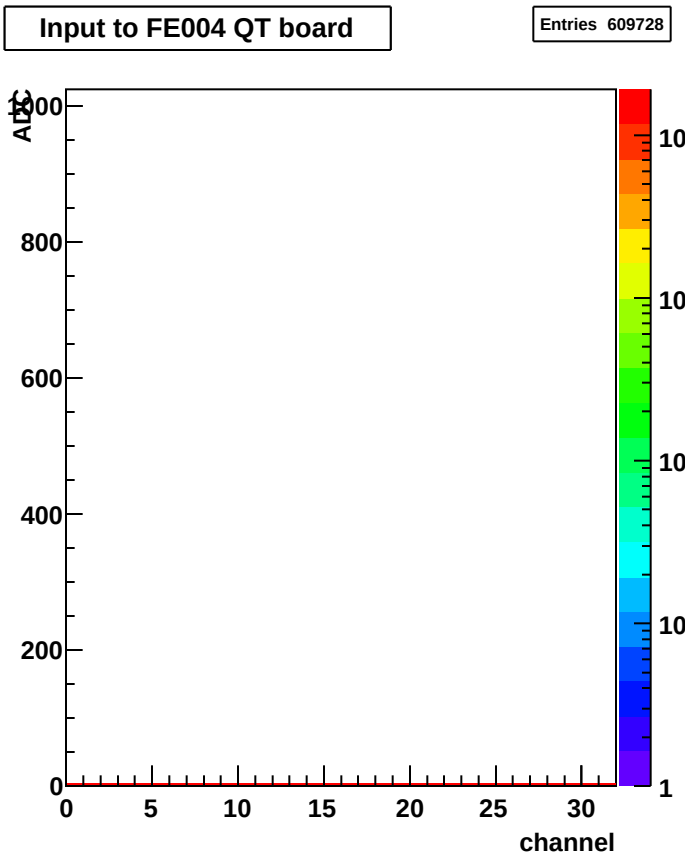

Input to FPD L2 DSM
Entries 57162
HT bits - simulated
18955
19054
19054
99
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 76216
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

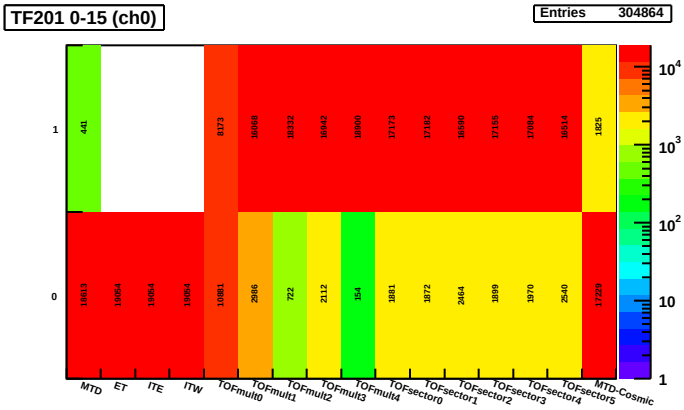

Input to FE001 QT board
Entries 609728
ADC
channel


Input to FE002 QT board
Entries 609728
ADC
channel

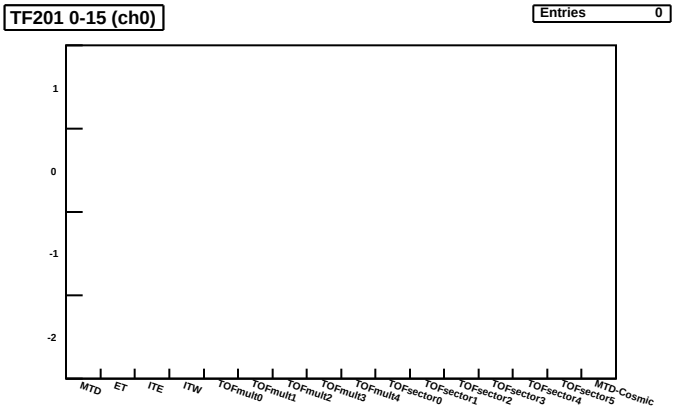

Input to FE003 QT board
Entries 609728
ADC
channel


Input to FE004 QT board
Entries 609728
ADC
channel

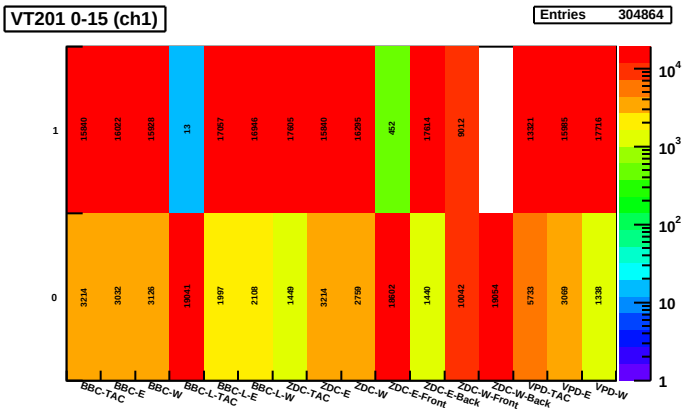
TF201 0-15 (ch0)



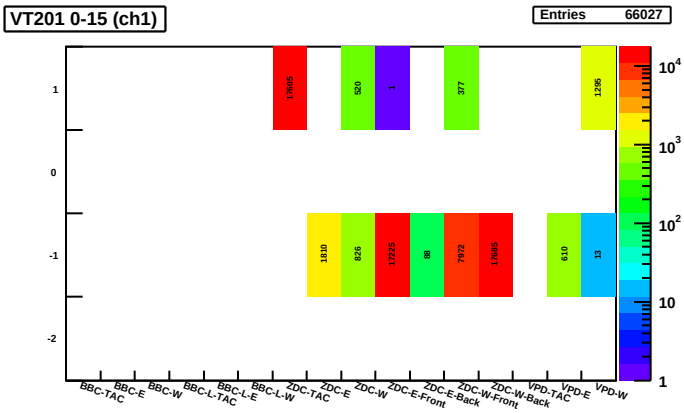
TF201 0-15 (ch0)



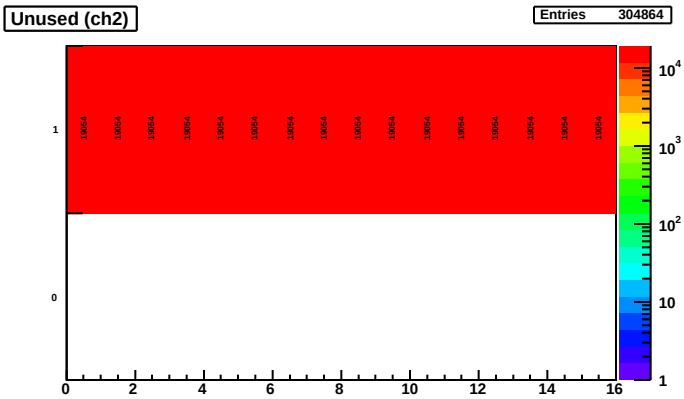
VT201 0-15 (ch1)

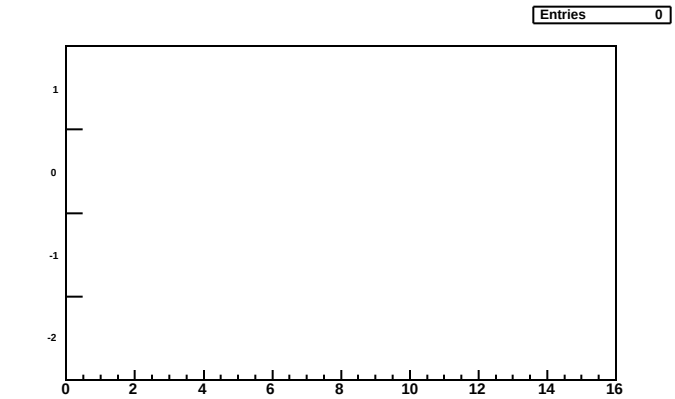


VT201 0-15 (ch1)

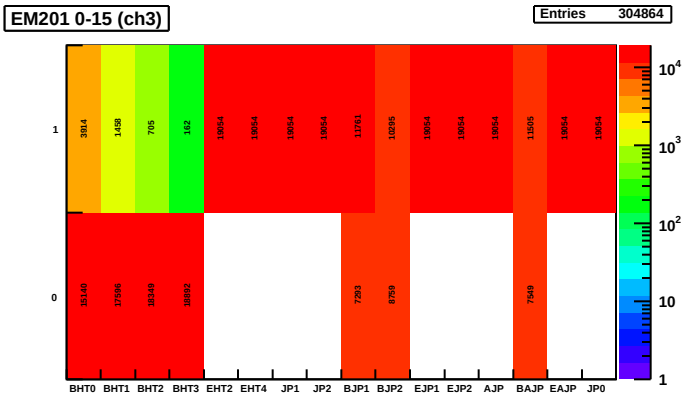


Unused (ch2)

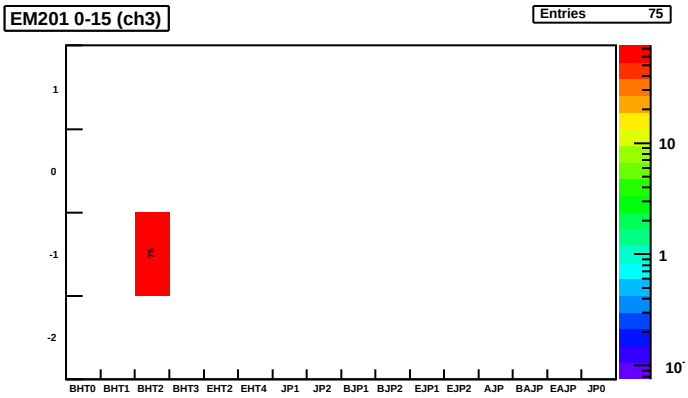




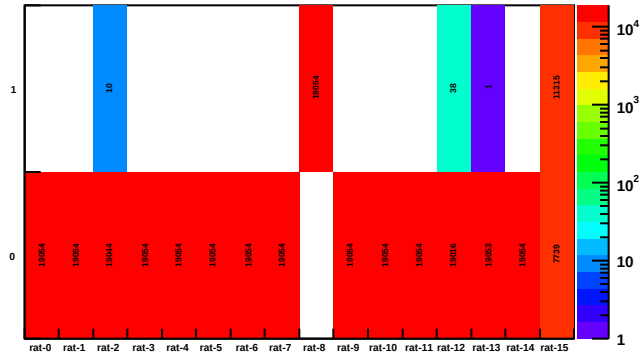
EM201 0-15 (ch3)

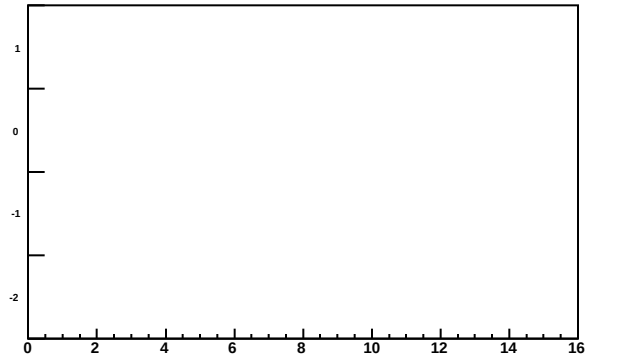


EM201 0-15 (ch3)

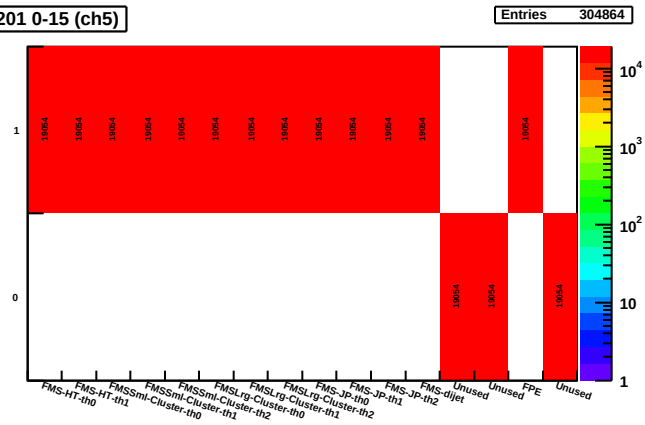


RAT board (ch4)

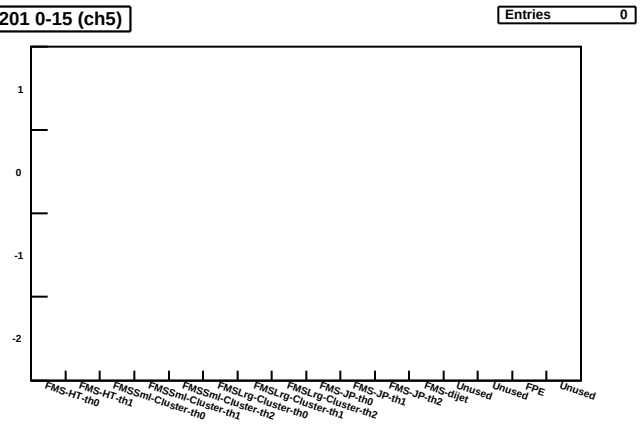




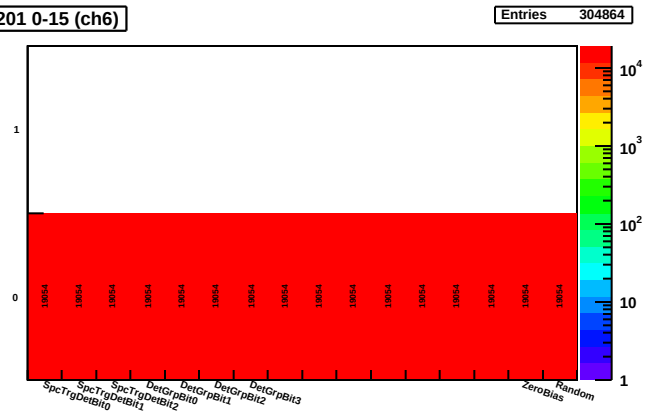
FP201 0-15 (ch5)

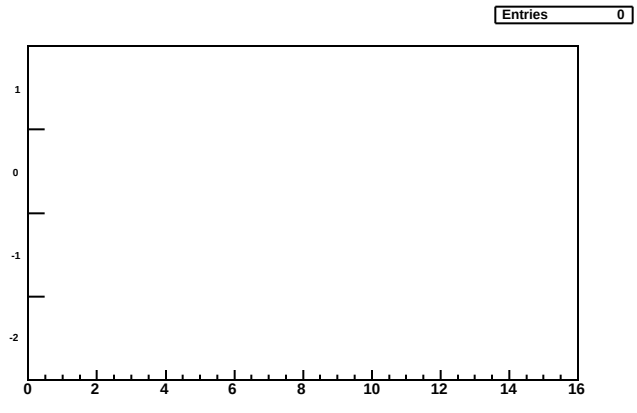
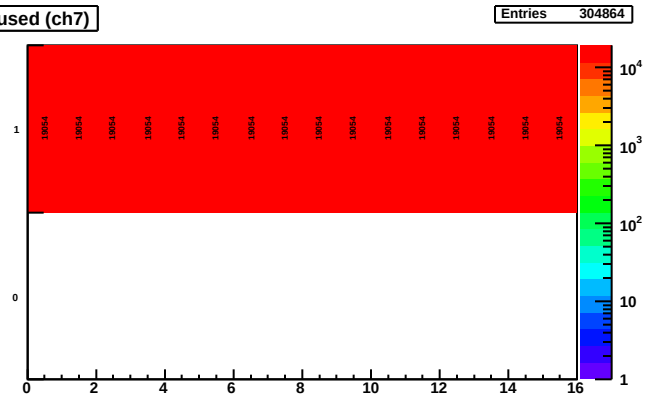
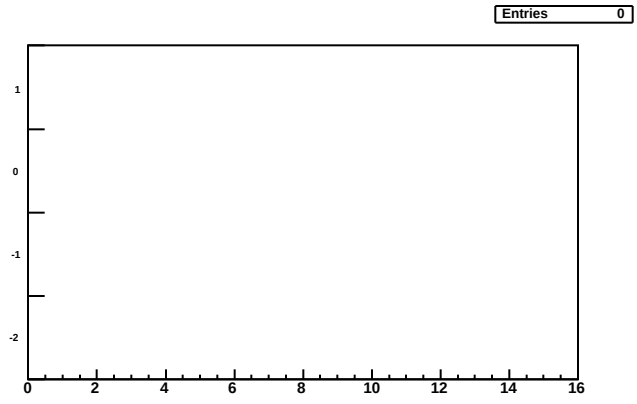


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)