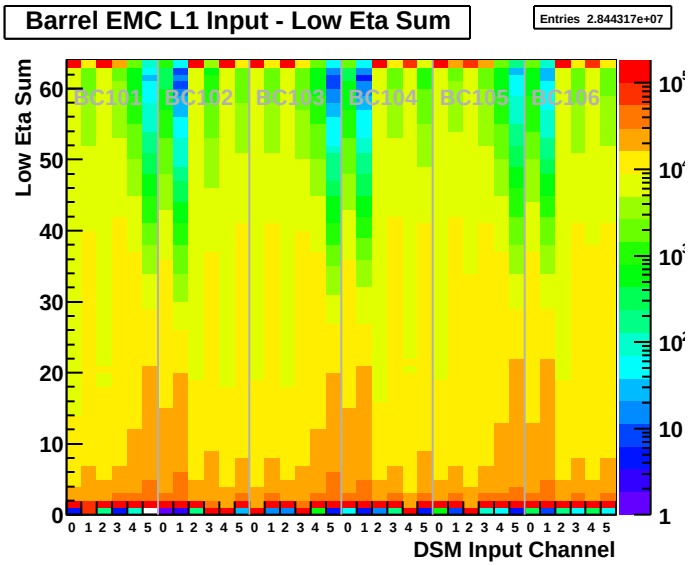
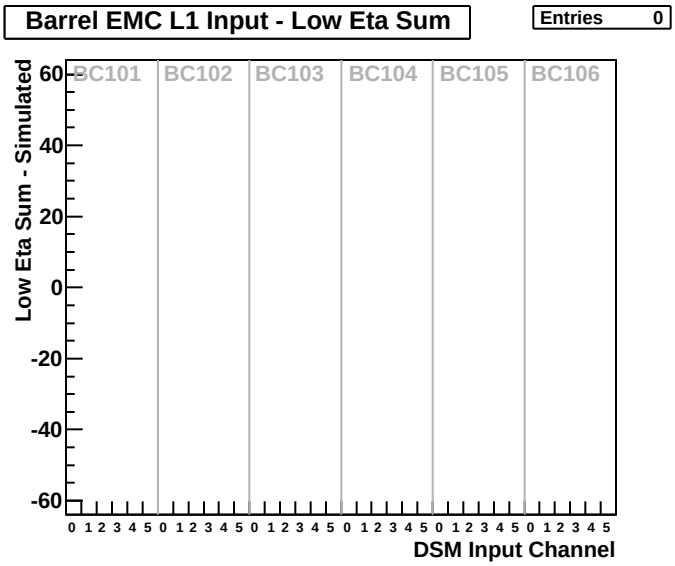
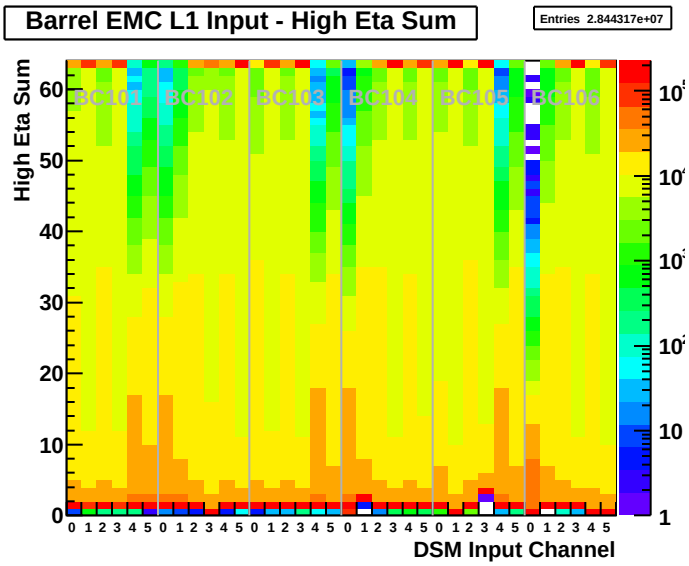
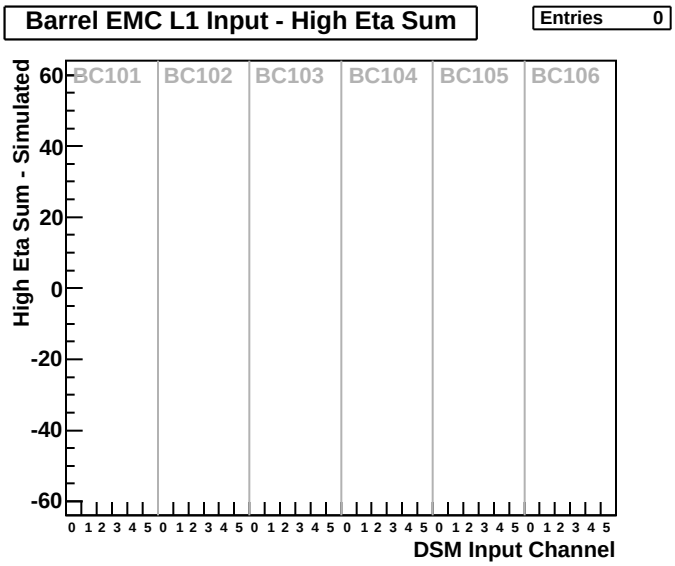
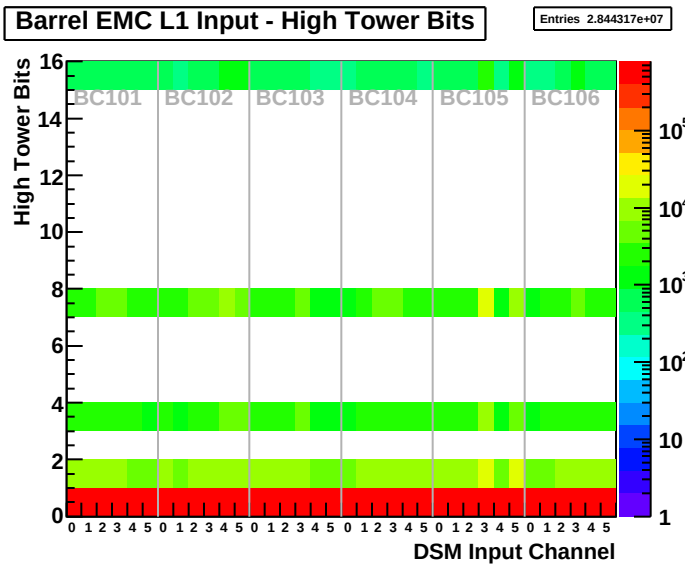
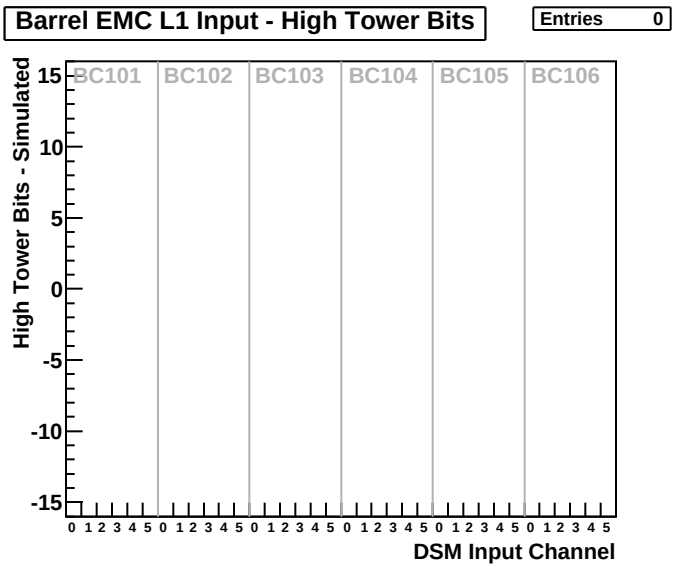

Barrel EMC L1 Input - Low Eta Sum
Entries 2.844317e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

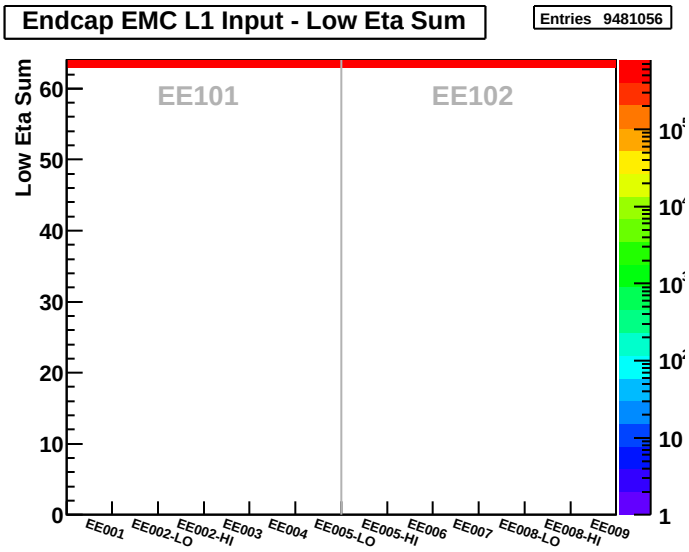

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

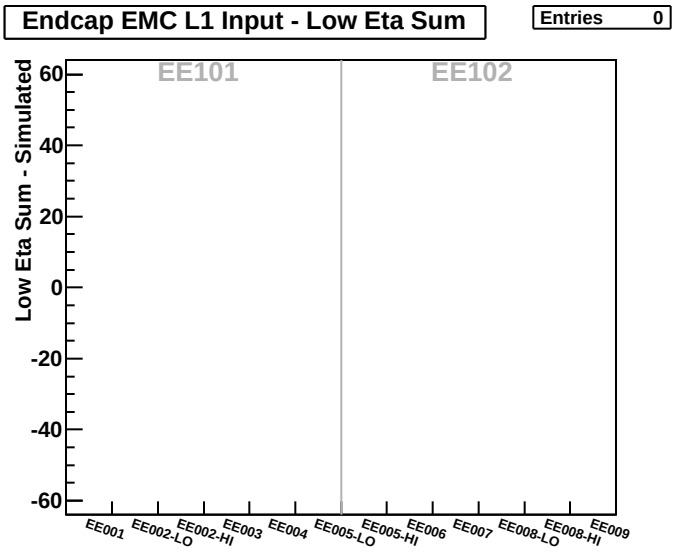

Barrel EMC L1 Input - High Eta Sum
Entries 2.844317e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

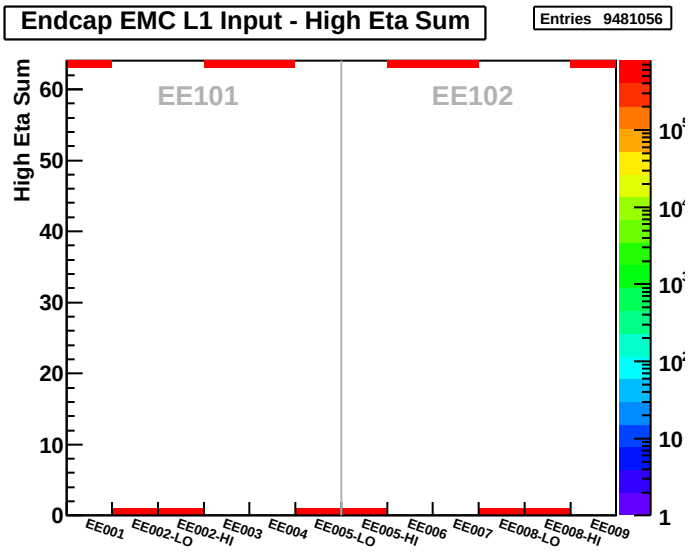

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

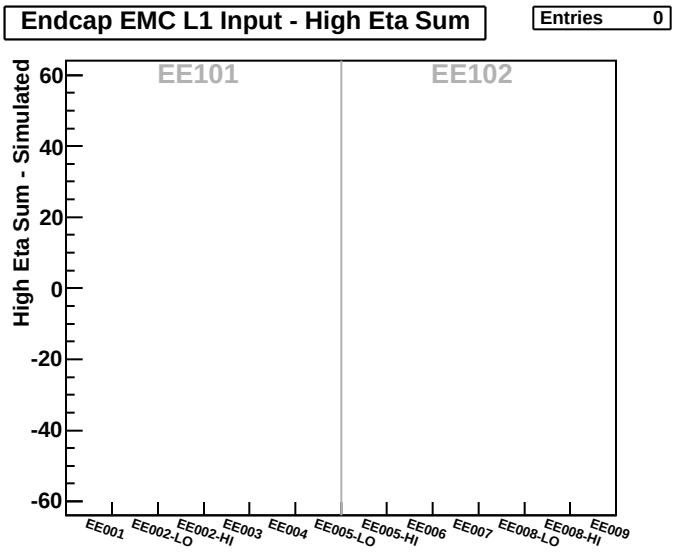

Barrel EMC L1 Input - High Tower Bits
Entries 2.844317e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

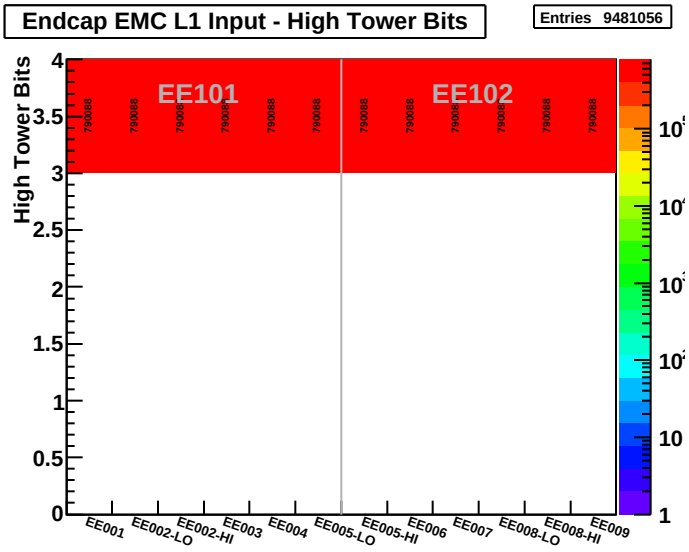

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

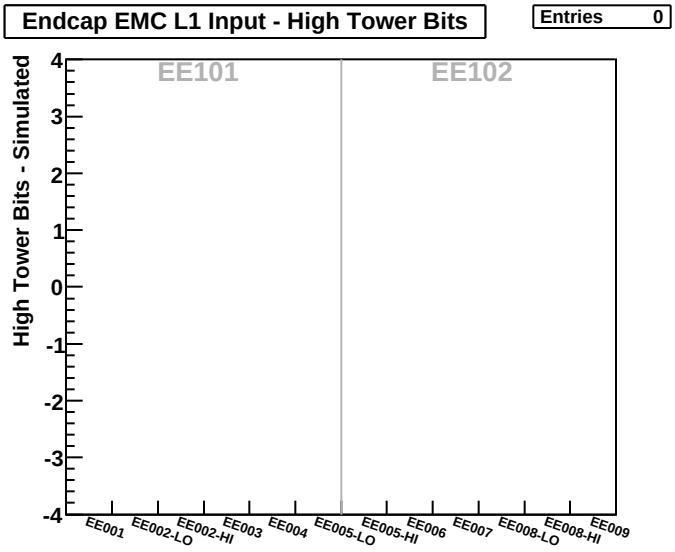

Endcap EMC L1 Input - Low Eta Sum
Entries 9481056
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

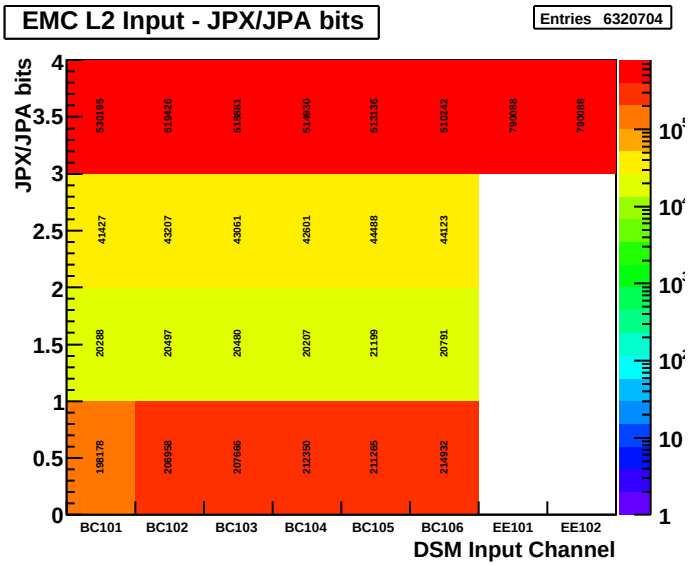

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

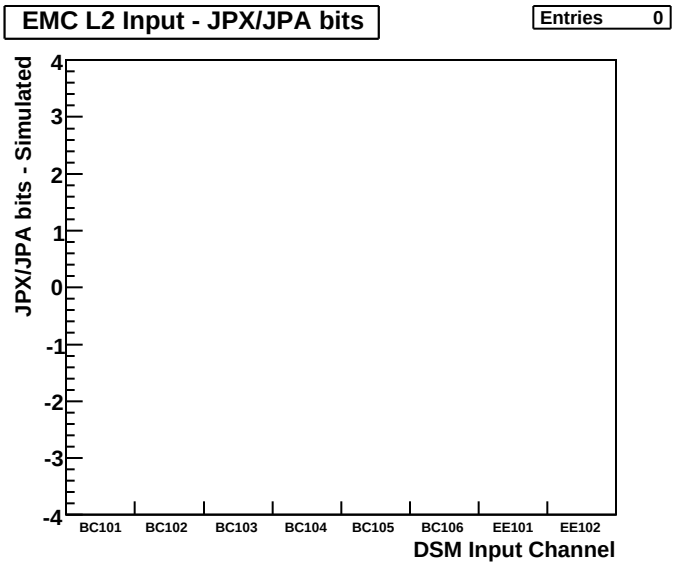

Endcap EMC L1 Input - High Eta Sum
Entries 9481056
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

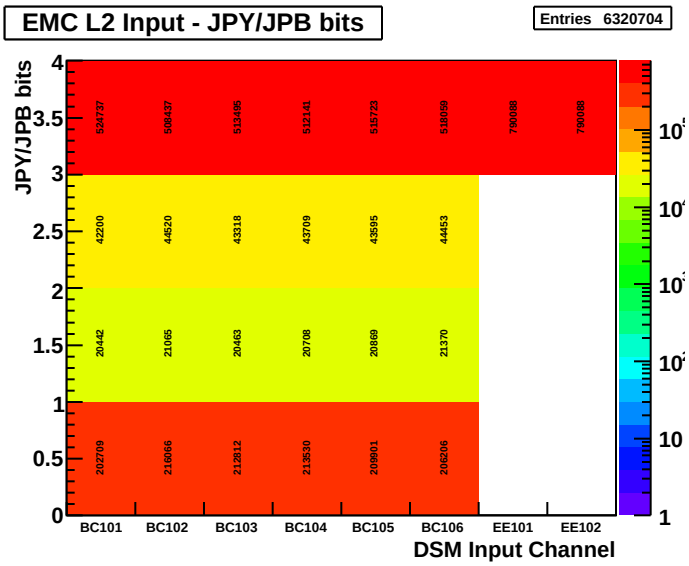

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

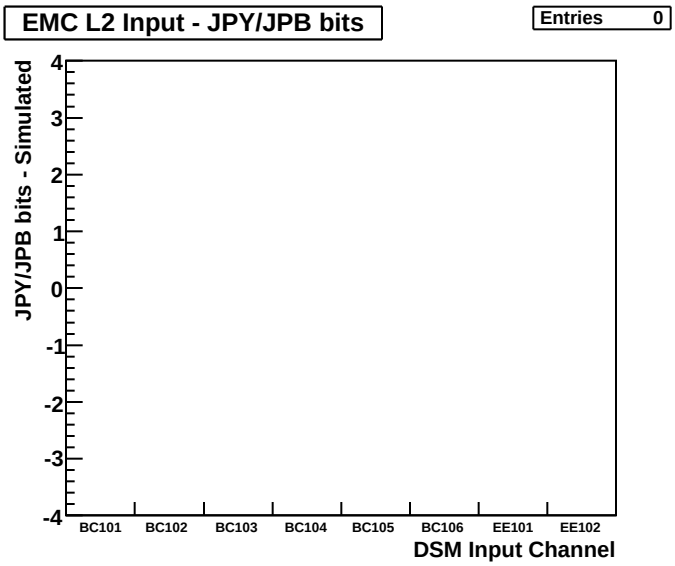

Endcap EMC L1 Input - High Tower Bits
Entries 9481056
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

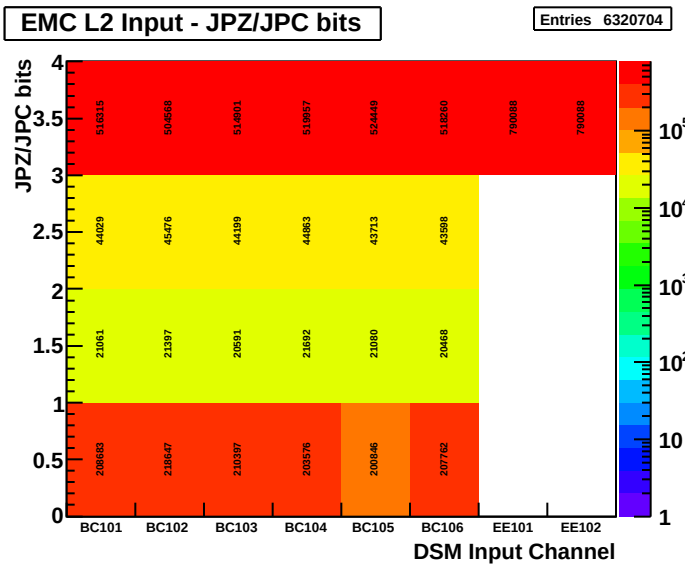

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

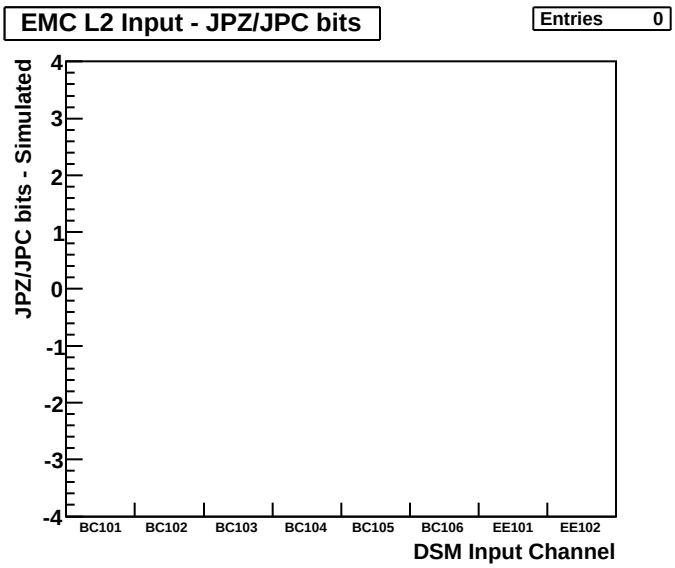

EMC L2 Input - JPX/JPA bits
Entries 6320704
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
530195 519426 518881 514830 513136 510242 790088 790088
41427 43207 43061 42601 44488 44123
20288 20497 20480 20207 21199 20791
198178 206938 207666 212350 211265 214932

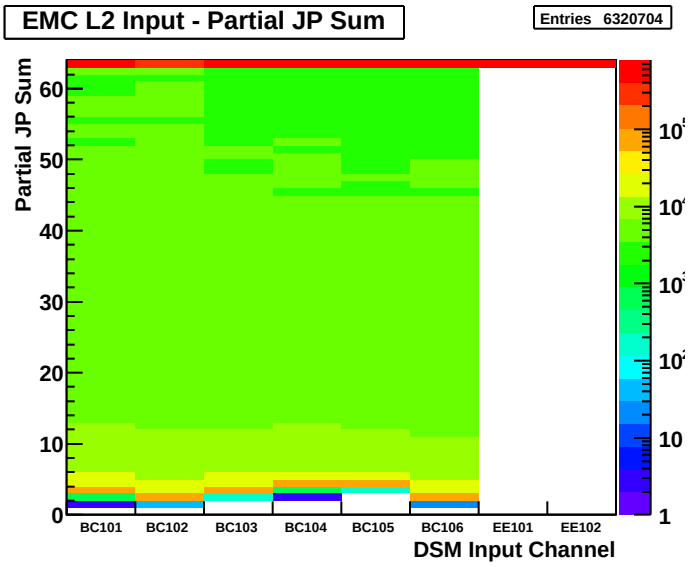

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

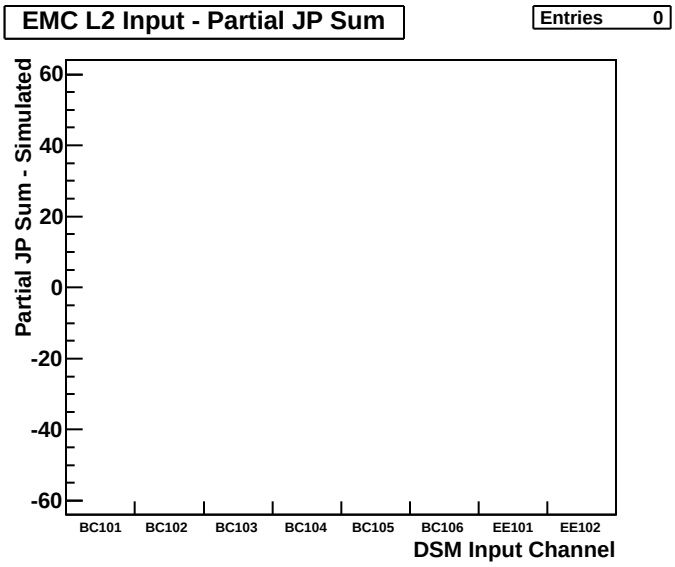

EMC L2 Input - JPY/JPB bits
Entries 6320704
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
524737 508437 513405 512141 515723 518059 790088 790088
42200 44520 43318 43709 43595 44453
20442 21065 20463 20708 20869 21370
202709 216066 212312 213530 209901 206206

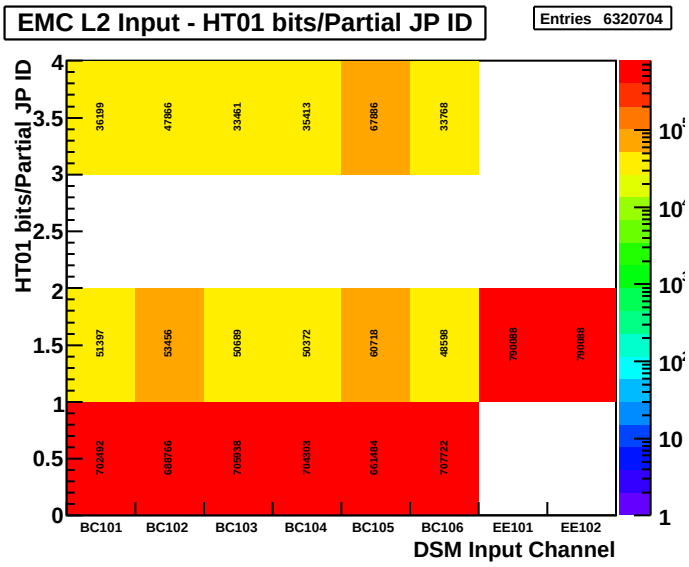

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

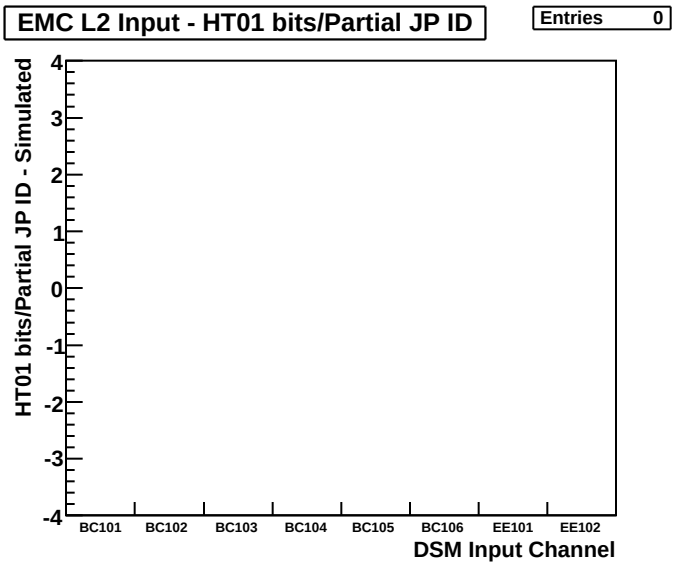

EMC L2 Input - JPZ/JPC bits
Entries 6320704
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
516315 506568 514801 519957 524449 512260 790088 790088
44029 45476 44199 44863 43713 43598
21061 21397 20591 21692 21080 20468
208583 218647 210397 203576 200846 207762

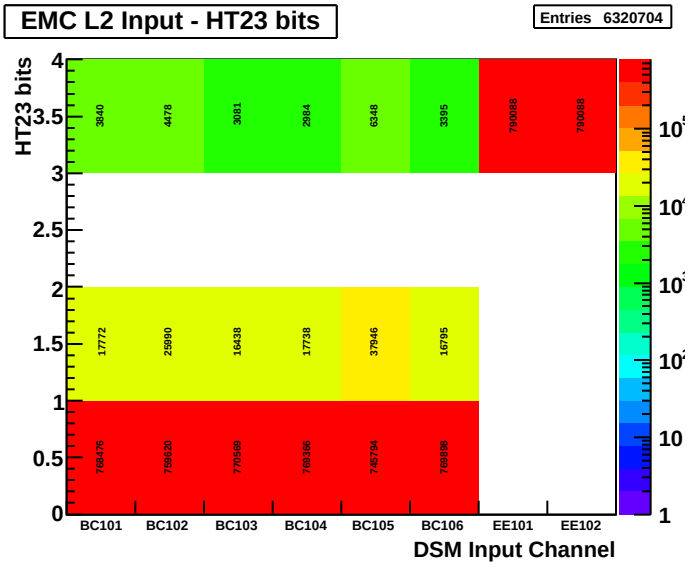

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

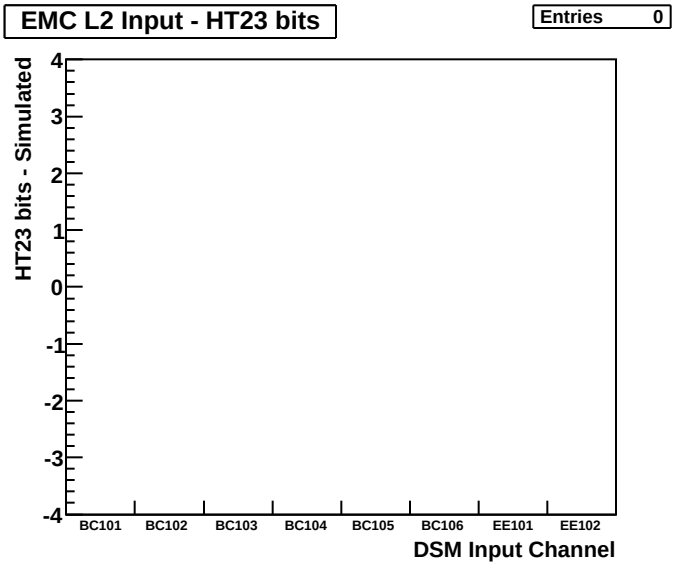

EMC L2 Input - Partial JP Sum
Entries 6320704
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

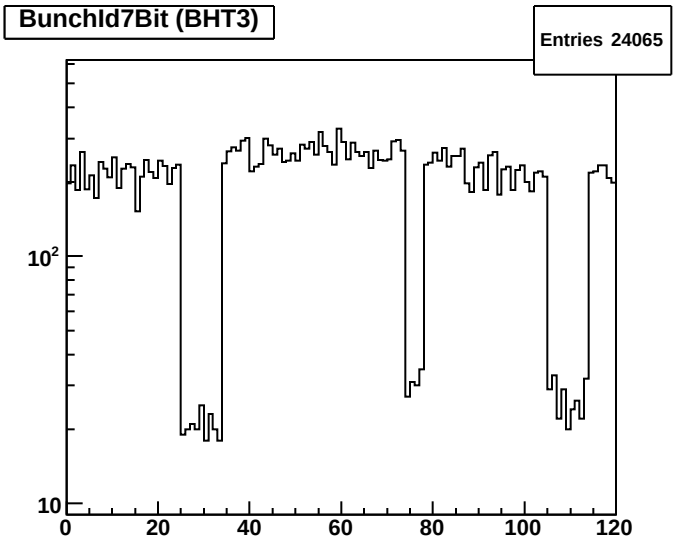

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

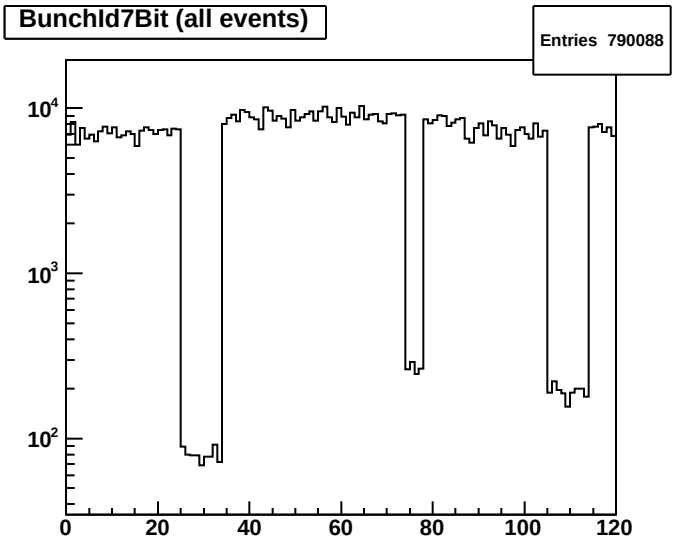

EMC L2 Input - HT01 bits/Partial JP ID
Entries 6320704
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

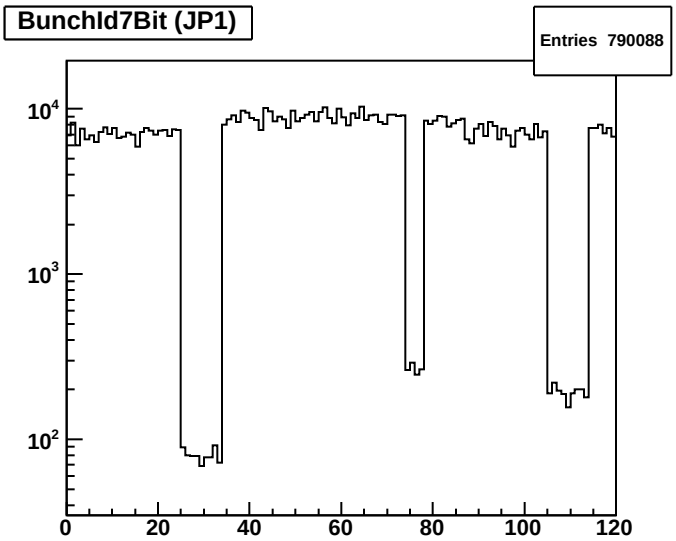

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

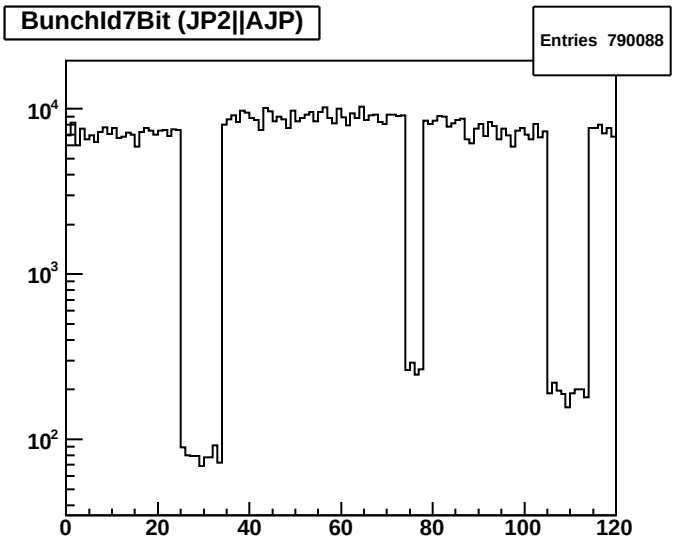

EMC L2 Input - HT23 bits
Entries 6320704
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

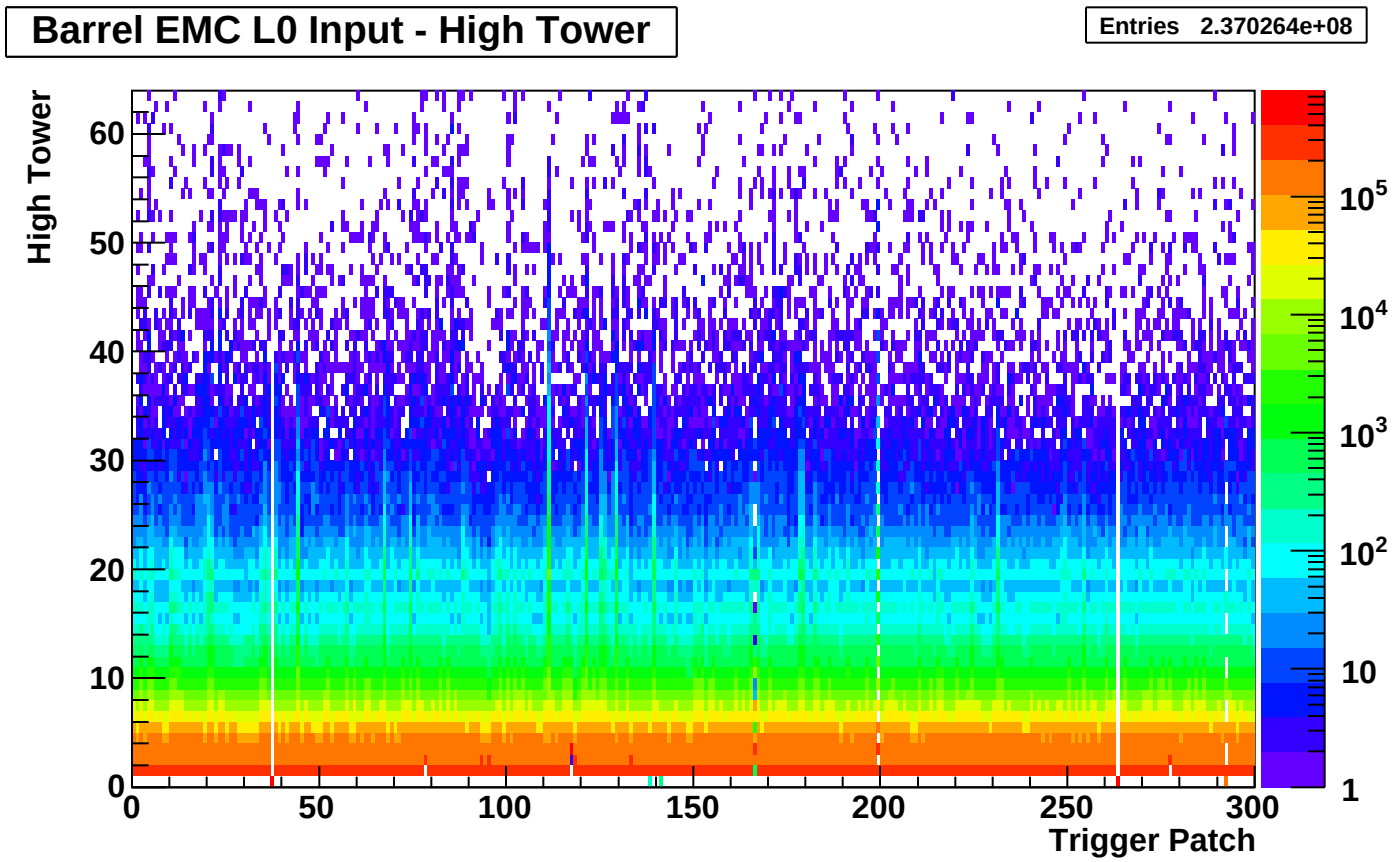

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

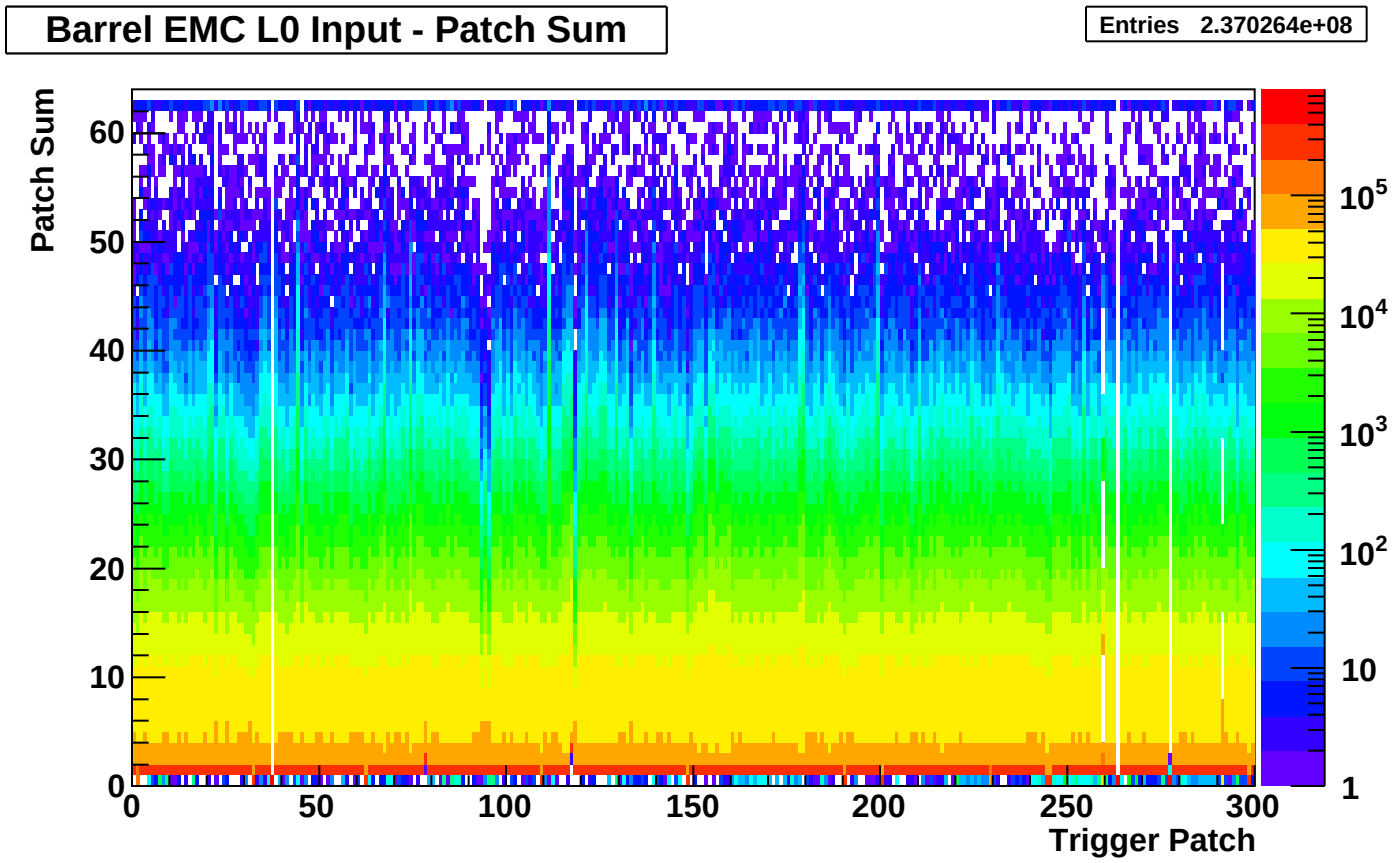

BunchId7Bit (BHT3)
Entries 24065
10
10^2
0
20
40
60
80
100
120

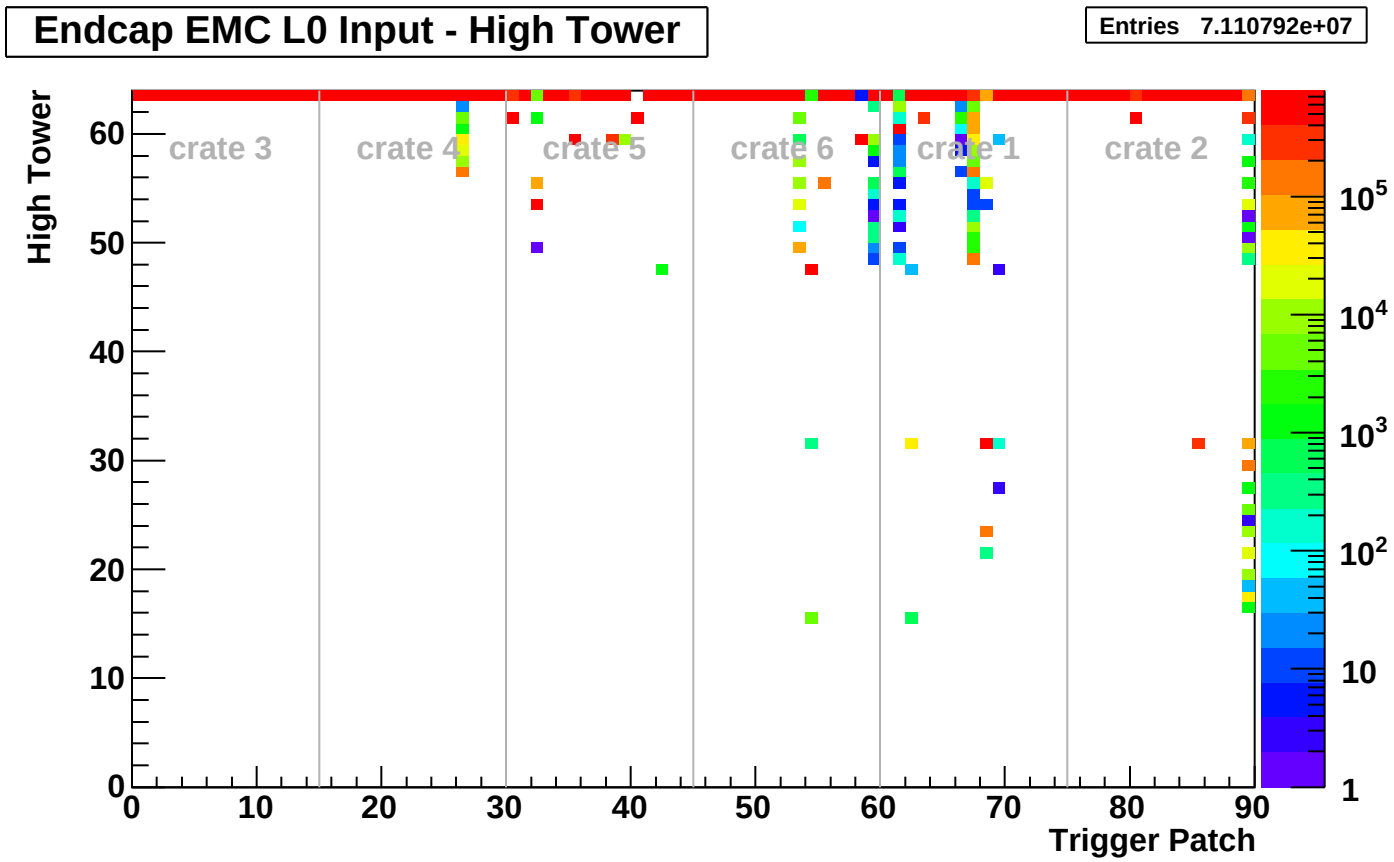

BunchId7Bit (all events)
Entries 790088
10^2
10^3
10^4
0
20
40
60
80
100
120

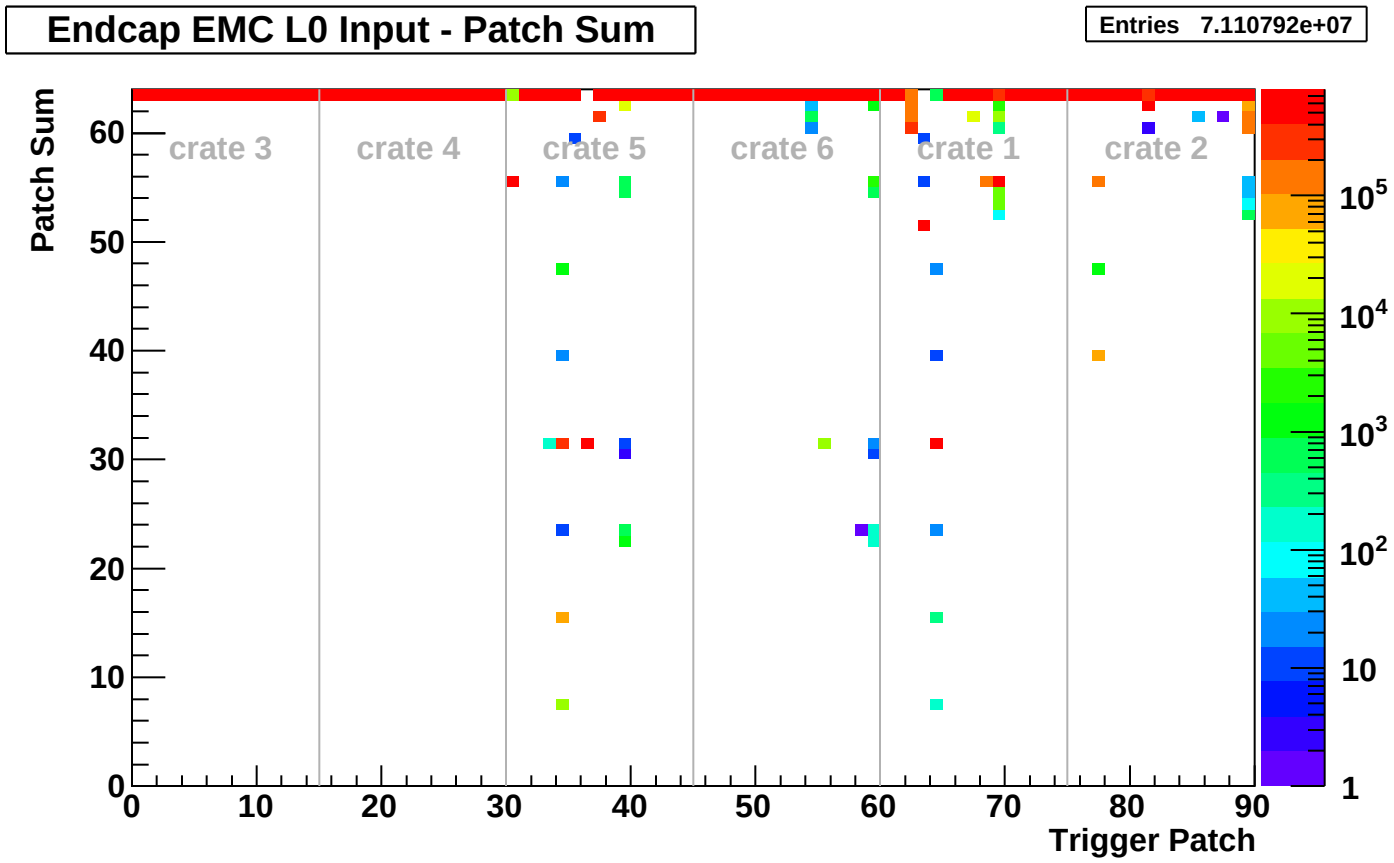

BunchId7Bit (JP1)
Entries 790088
10^2
10^3
10^4
0
20
40
60
80
100
120

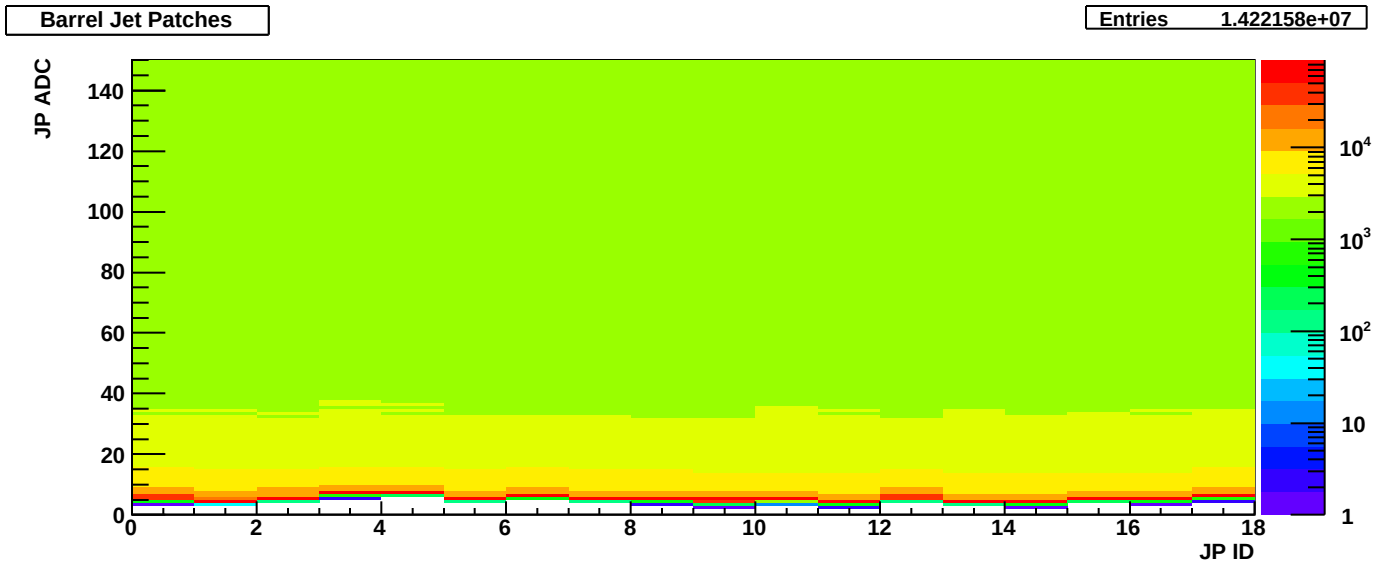

BunchId7Bit (JP2||AJP)
Entries 790088
10^2
10^3
10^4
0
20
40
60
80
100
120

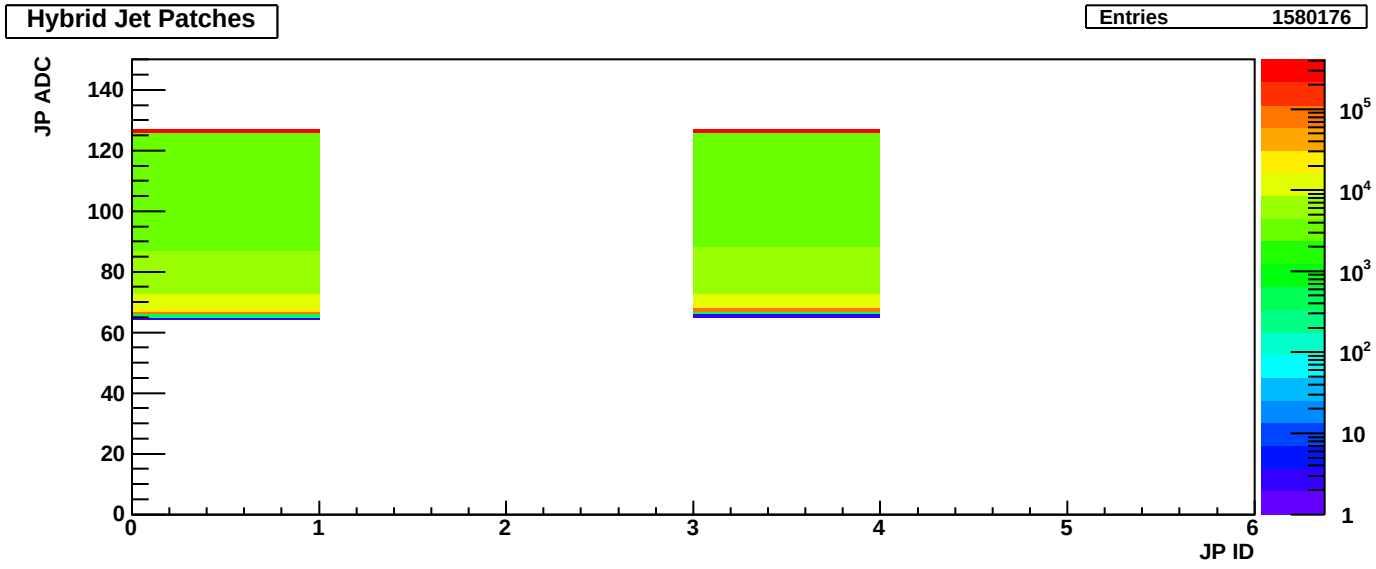

Barrel EMC L0 Input - High Tower
Entries 2.370264e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

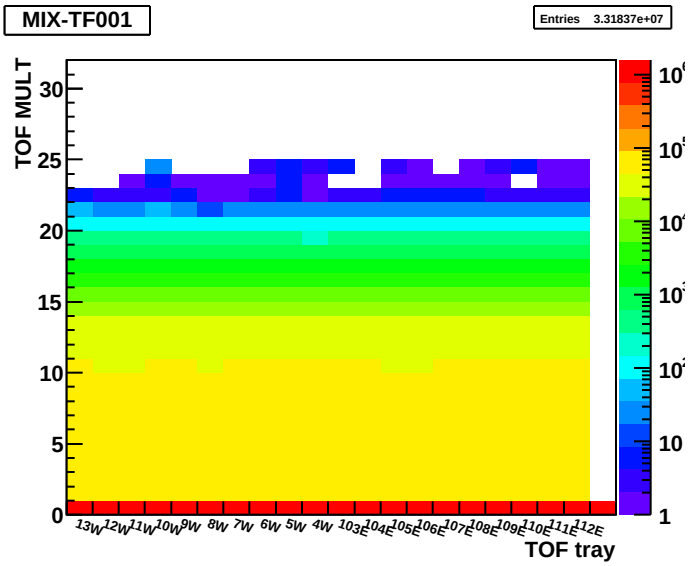

Barrel EMC L0 Input - Patch Sum
Entries 2.370264e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

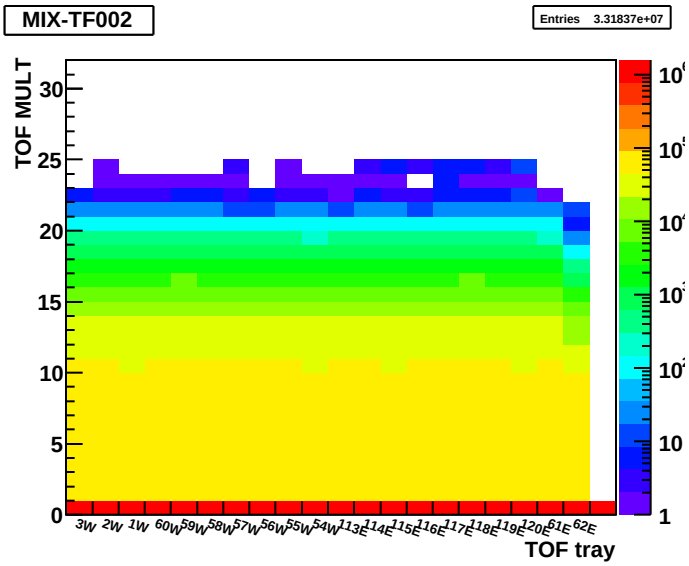

Endcap EMC L0 Input - High Tower
Entries 7.110792e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

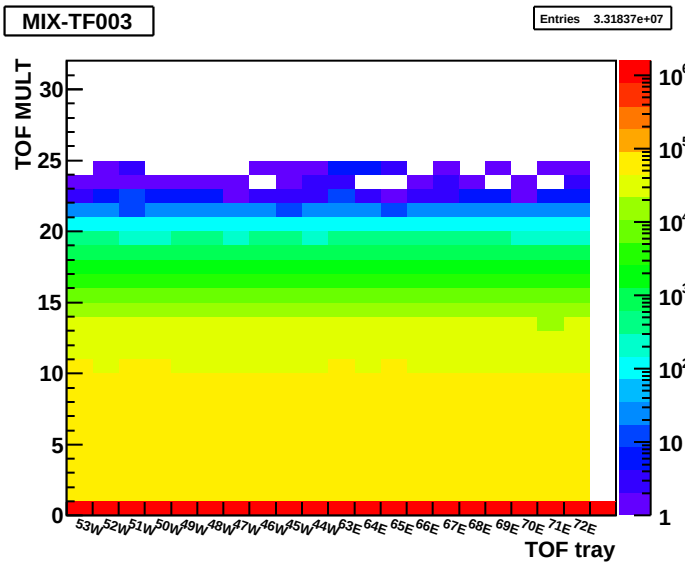

Endcap EMC L0 Input - Patch Sum
Entries 7.110792e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

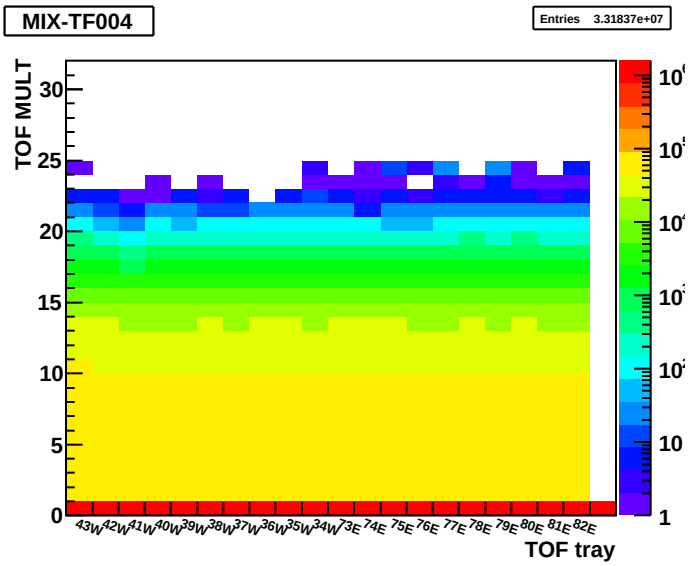

Barrel Jet Patches
Entries 1.422158e+07
JP ADC
JP ID

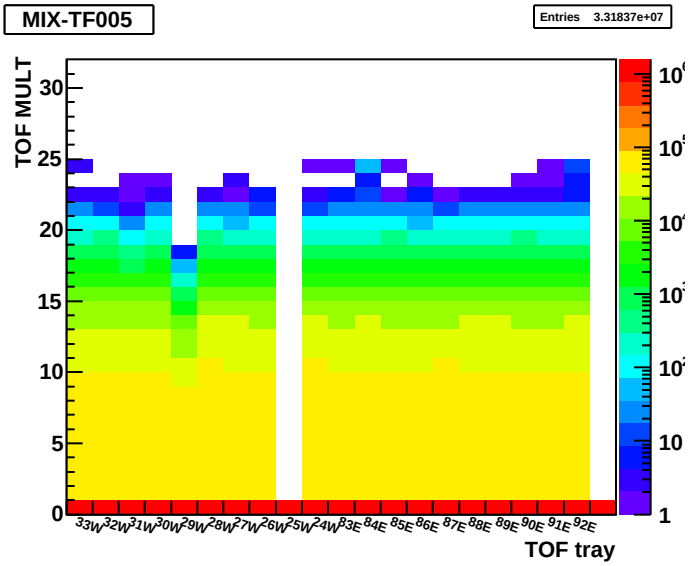

Hybrid Jet Patches
Entries 1580176
JP ADC
JP ID

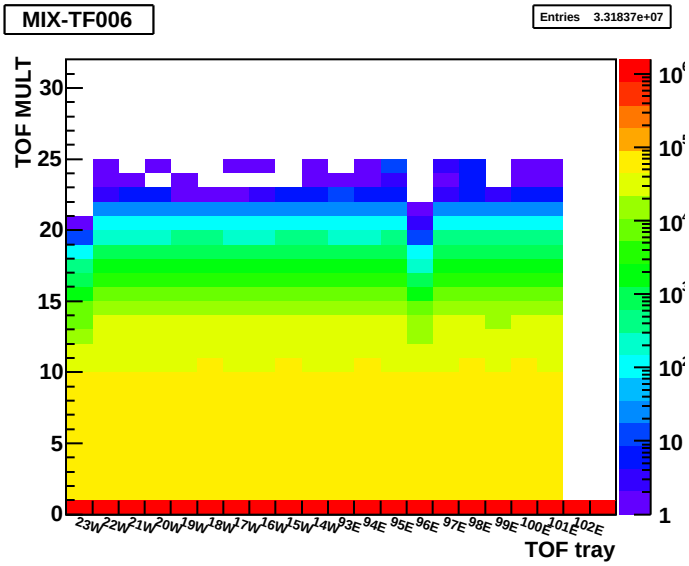

MIX-TF001
Entries 3.31837e+07
TOF MULT
TOF tray

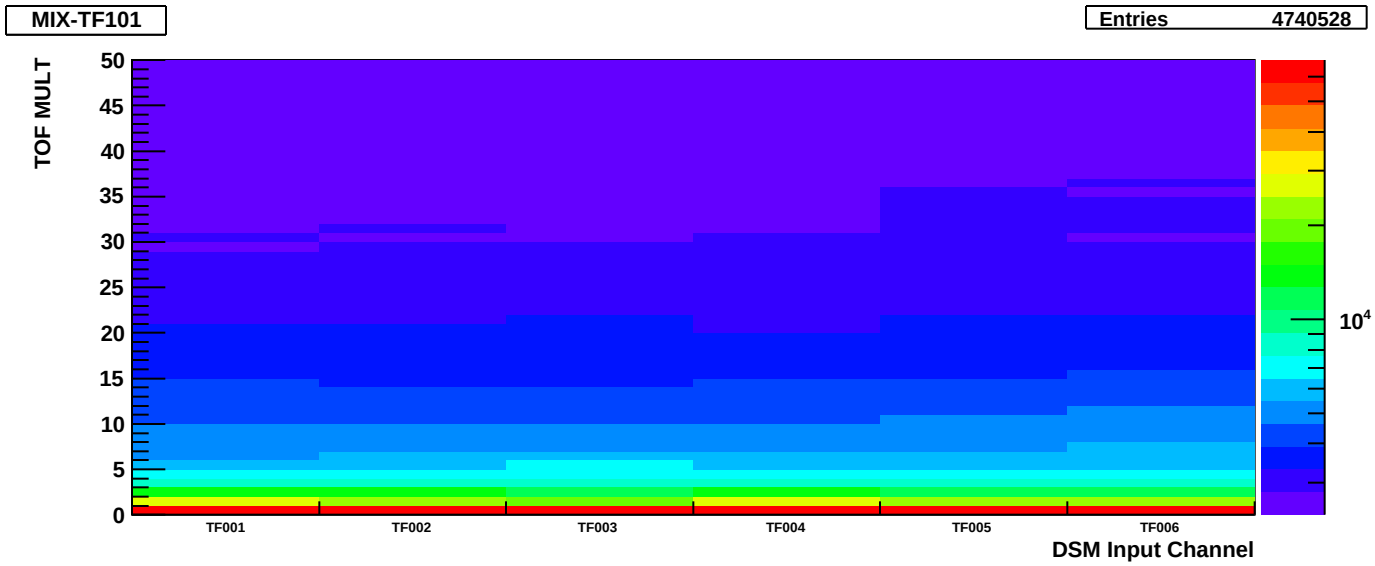

MIX-TF002
Entries 3.31837e+07
TOF MULT
TOF tray

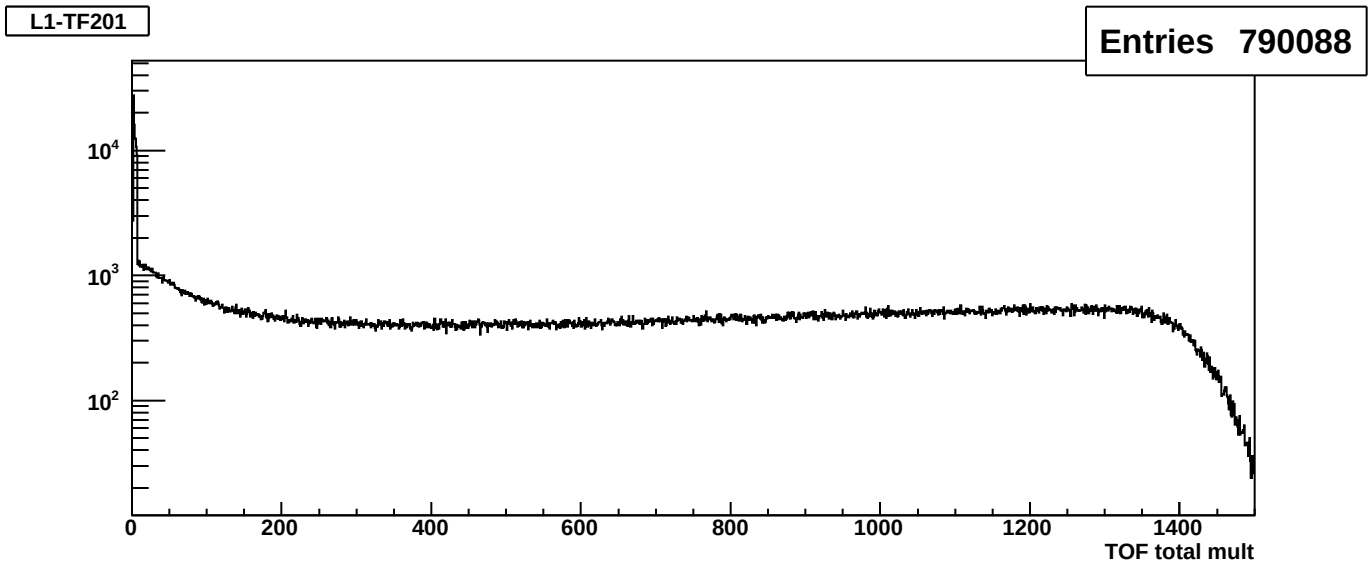

MIX-TF003
Entries 3.31837e+07
TOF MULT
TOF tray

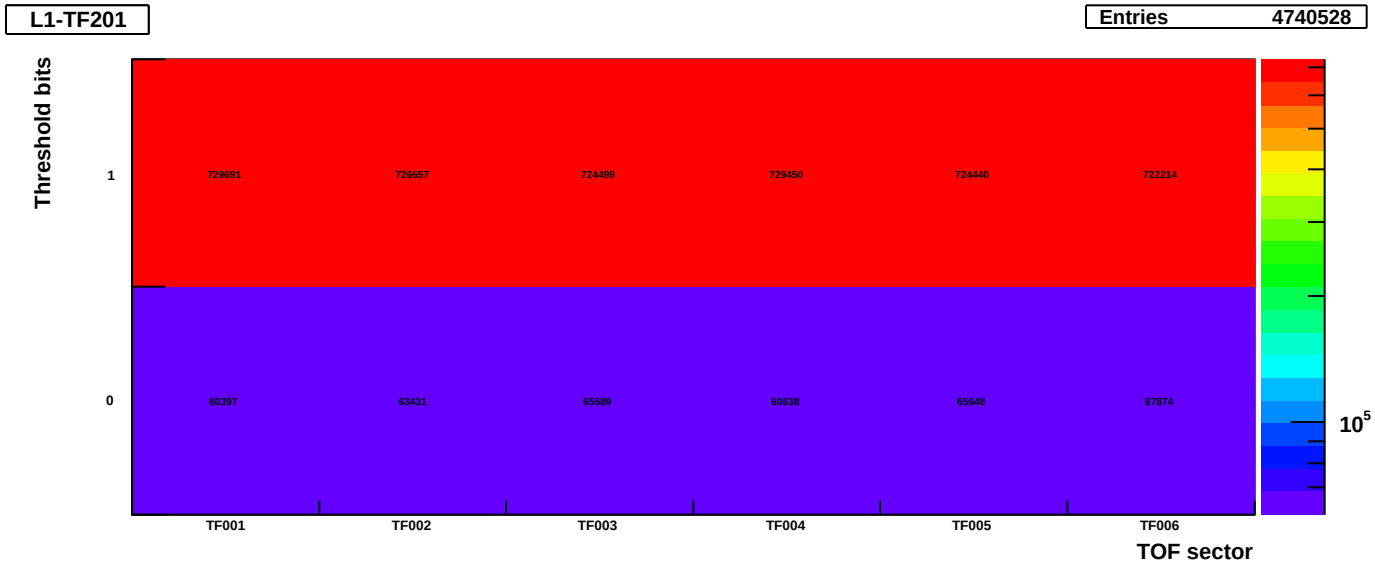

MIX-TF004
Entries 3.31837e+07
TOF MULT
TOF tray

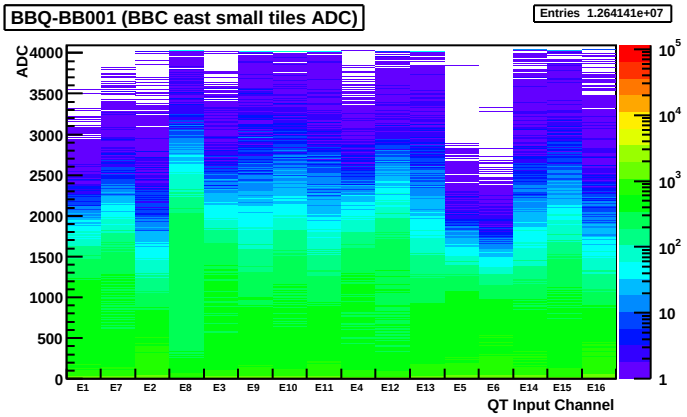

MIX-TF005
Entries 3.31837e+07
TOF MULT
TOF tray

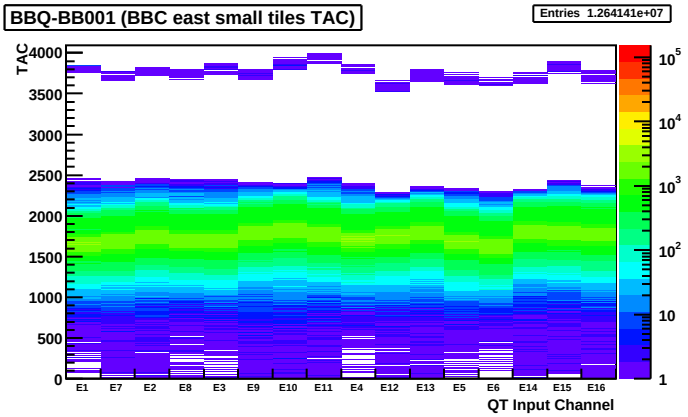

MIX-TF006
Entries 3.31837e+07
TOF MULT
TOF tray

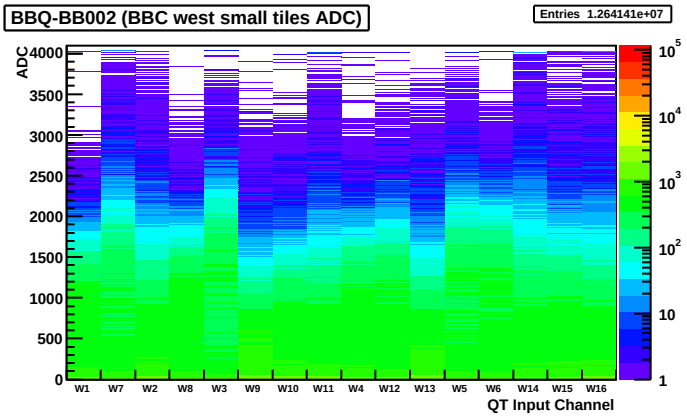

MIX-TF101
Entries 4740528
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

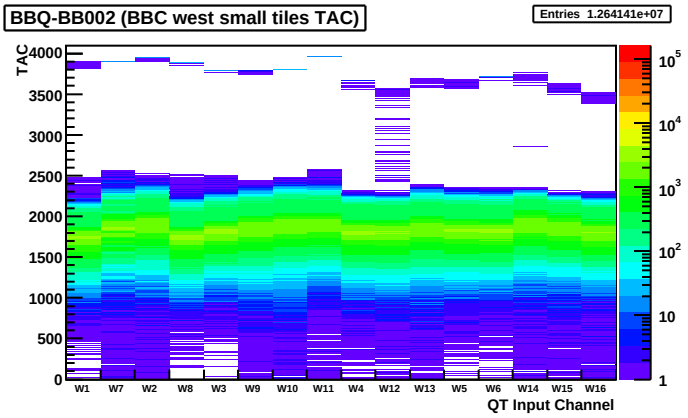

L1-TF201
Entries 790088
10^4
10^3
10^2
0
200
400
600
800
1000
1200
1400
TOF total mult

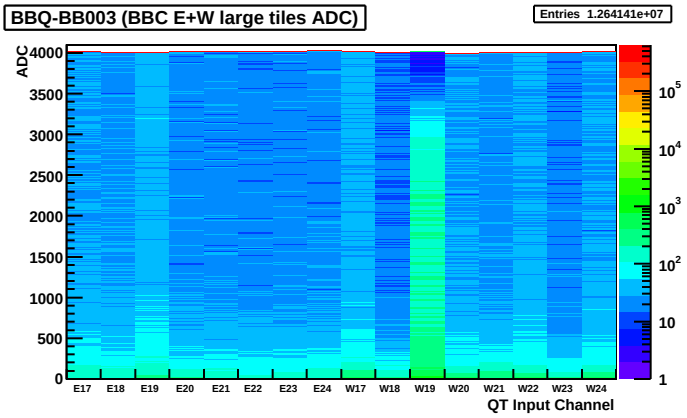

L1-TF201
Entries 4740528
Threshold bits
1
0
729691
726657
724499
729450
724440
722214
60397
63431
65589
60638
65648
67874
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

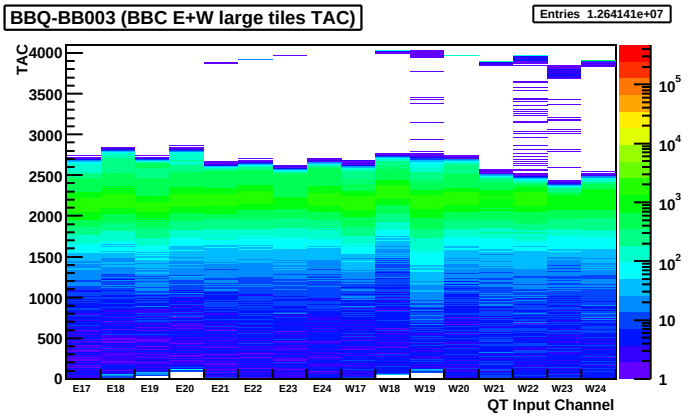

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.264141e+07
ADC
QT Input Channel

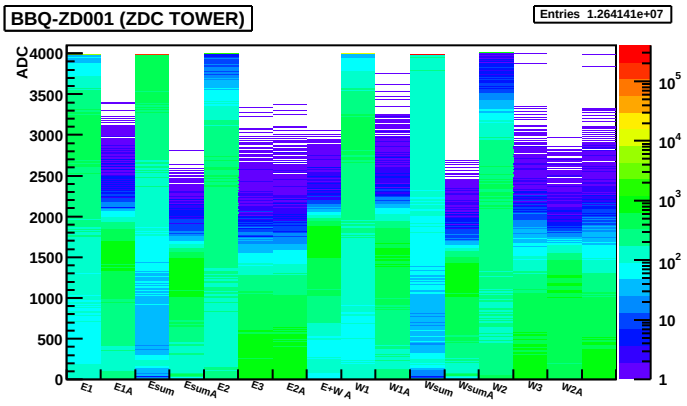

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.264141e+07
TAC
QT Input Channel

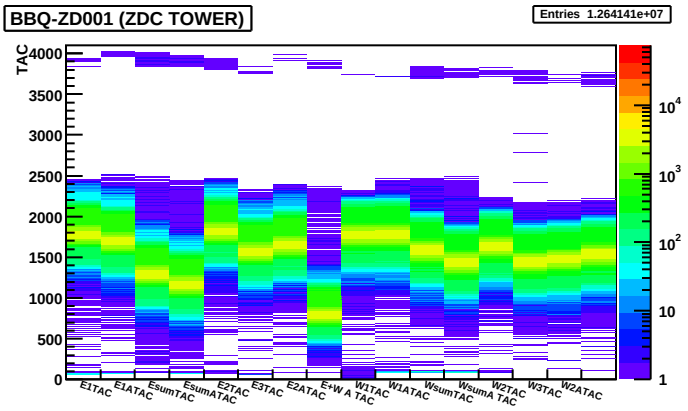

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.264141e+07
ADC
QT Input Channel

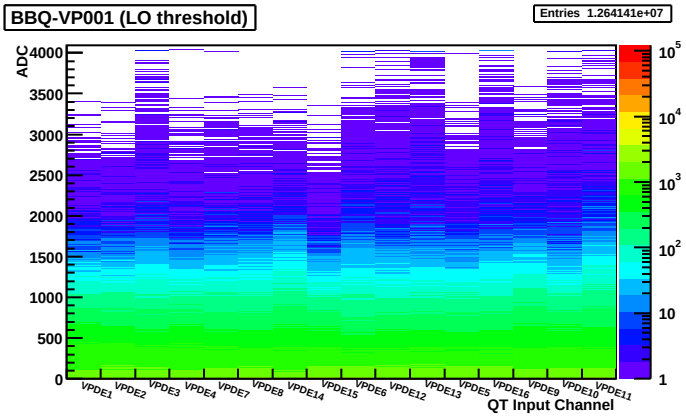

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.264141e+07
TAC
QT Input Channel

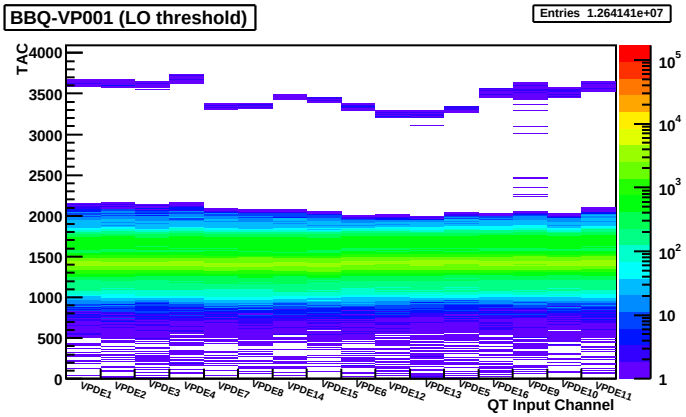

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.264141e+07
ADC
QT Input Channel

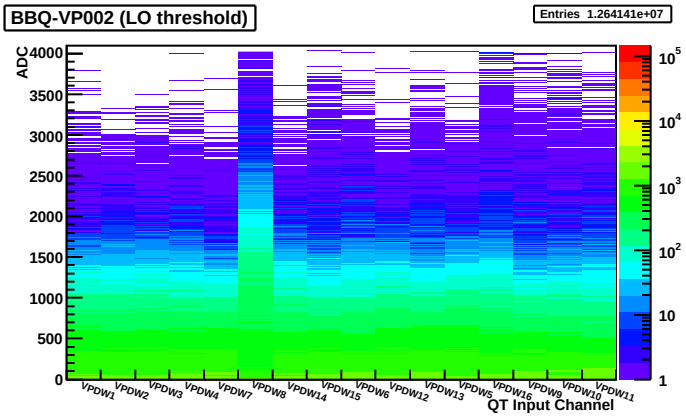

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.264141e+07
TAC
QT Input Channel

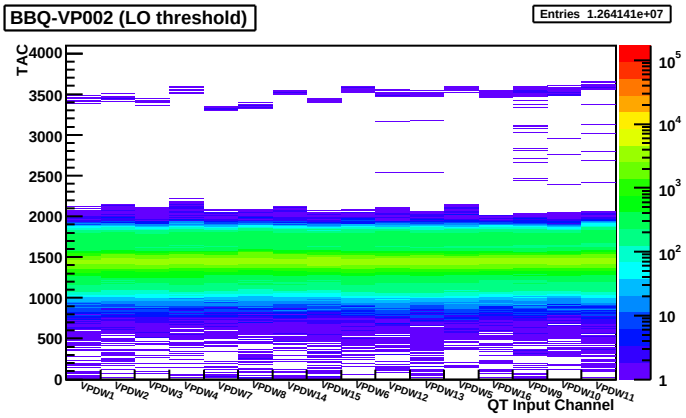

BBQ-ZD001 (ZDC TOWER)
Entries 1.264141e+07
ADC

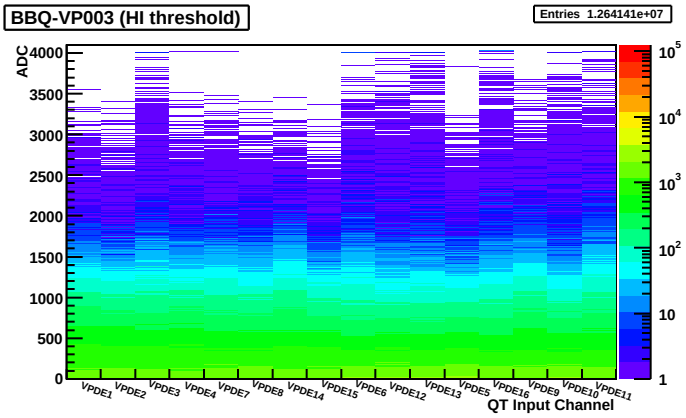

BBQ-ZD001 (ZDC TOWER)
Entries 1.264141e+07
TAC

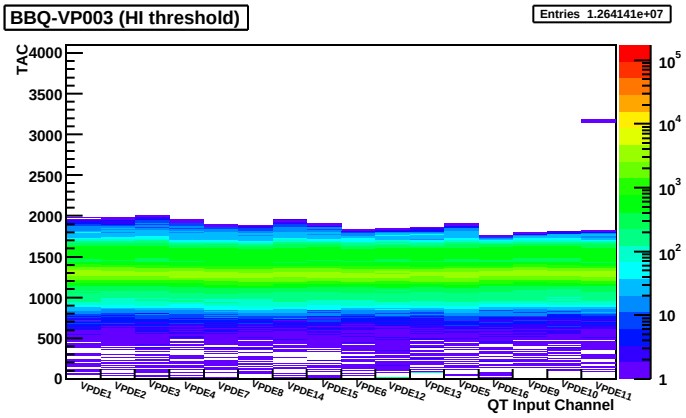

BBQ-VP001 (LO threshold)
Entries 1.264141e+07
ADC
QT Input Channel

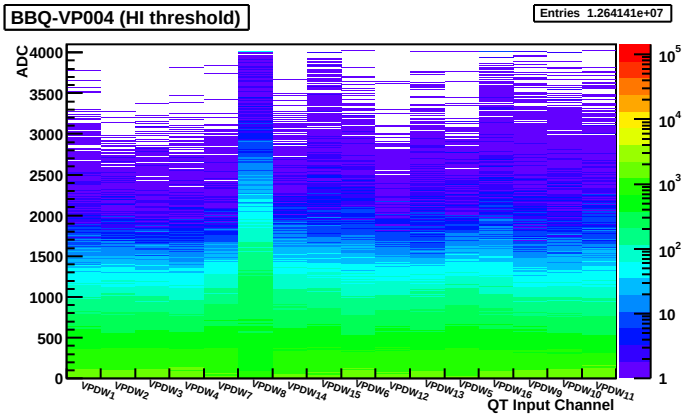

BBQ-VP001 (LO threshold)
Entries 1.264141e+07
TAC
QT Input Channel

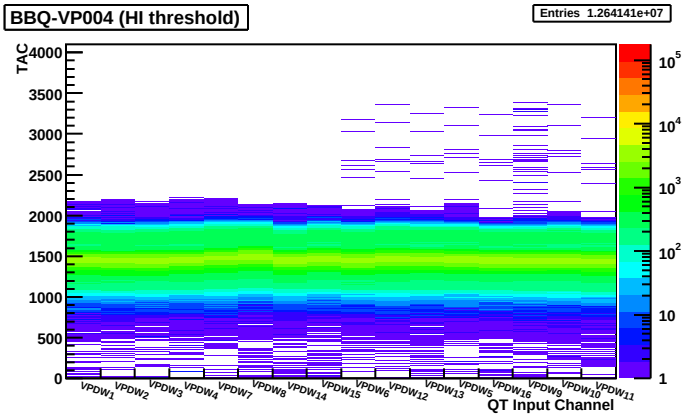

BBQ-VP002 (LO threshold)
Entries 1.264141e+07
ADC
QT Input Channel

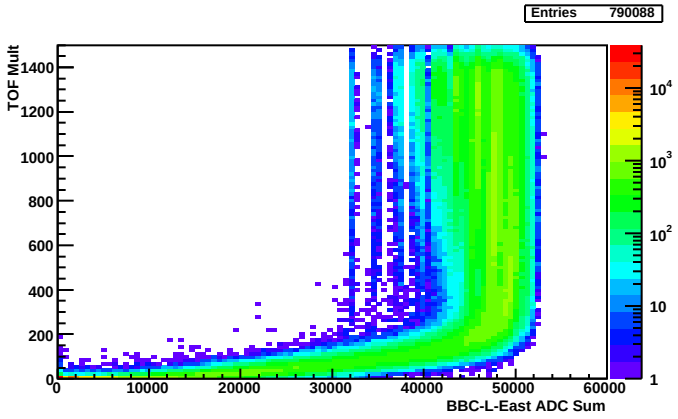

BBQ-VP002 (LO threshold)
Entries 1.264141e+07
TAC
QT Input Channel

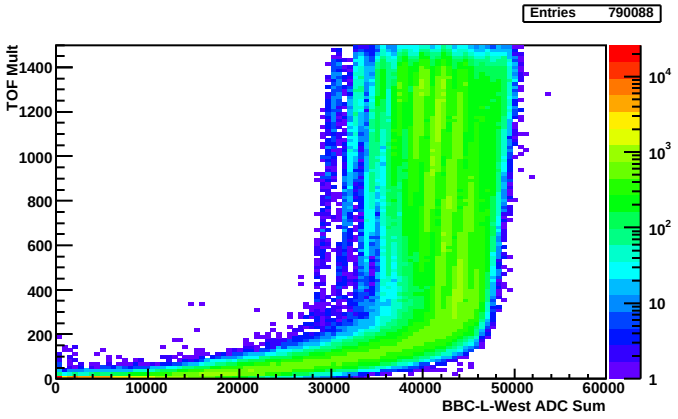

BBQ-VP003 (HI threshold)
Entries 1.264141e+07
ADC
QT Input Channel

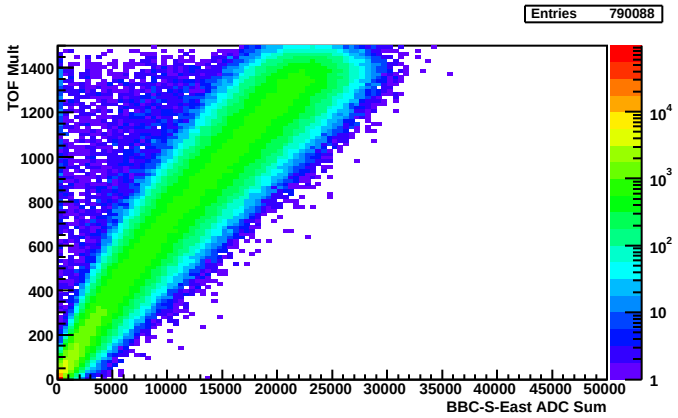

BBQ-VP003 (HI threshold)
Entries 1.264141e+07
TAC
QT Input Channel

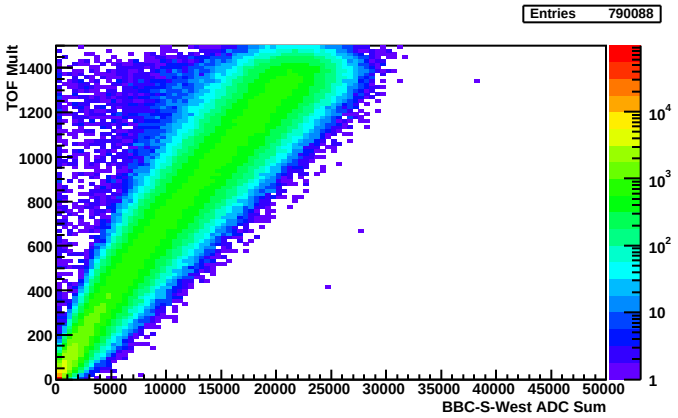

BBQ-VP004 (HI threshold)
Entries 1.264141e+07
ADC
QT Input Channel

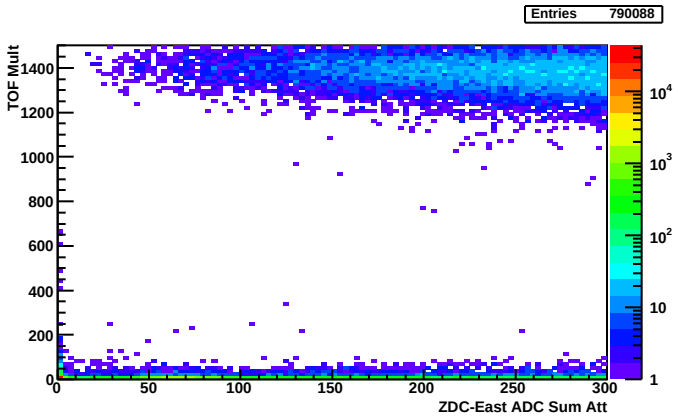

BBQ-VP004 (HI threshold)
Entries 1.264141e+07
TAC
QT Input Channel

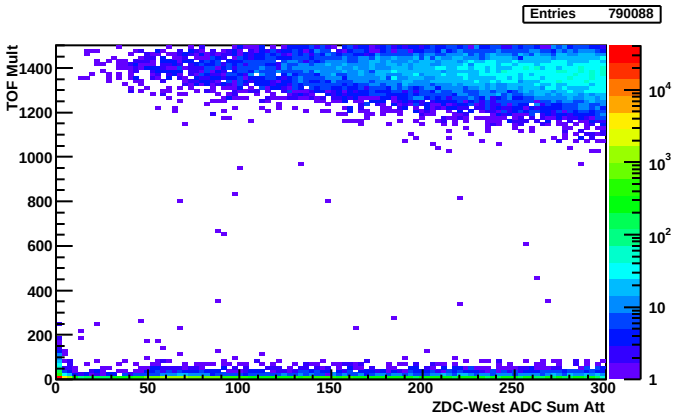

Entries 790088
TOF Mult
BBC-L-East ADC Sum

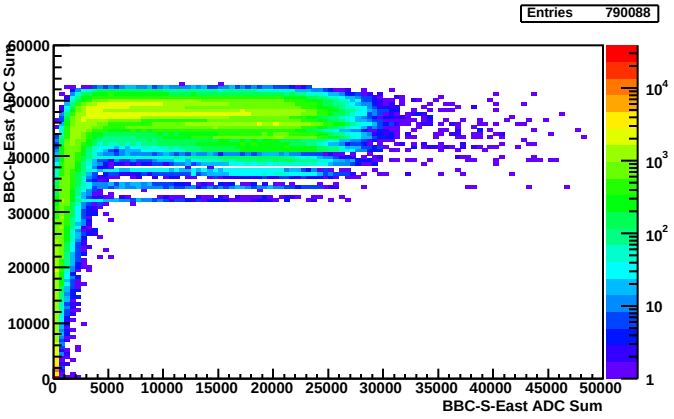

Entries 790088
TOF Mult
BBC-L-West ADC Sum

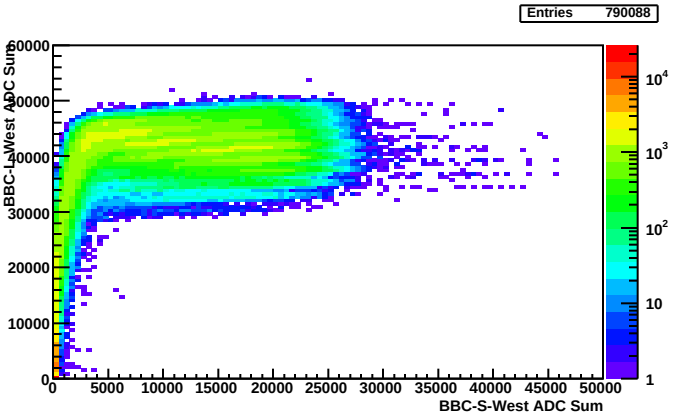

Entries 790088
TOF Mult
BBC-S-East ADC Sum

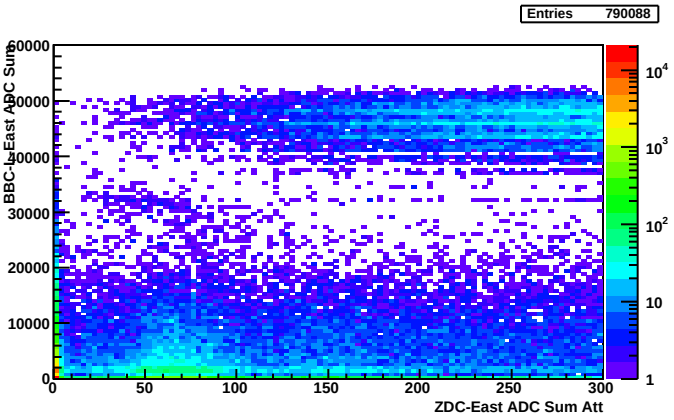

Entries 790088
TOF Mult
BBC-S-West ADC Sum

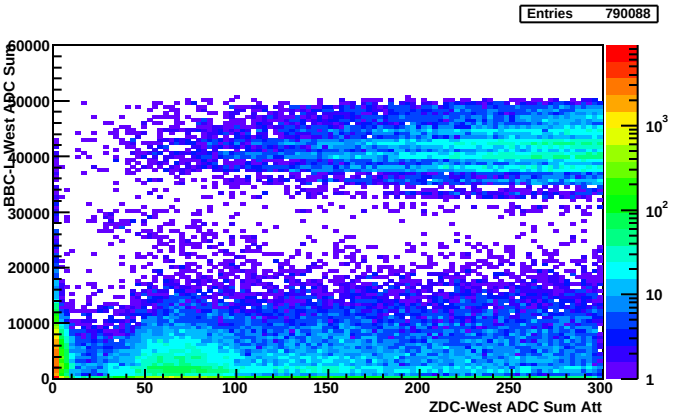

Entries 790088
TOF Mult
ZDC-East ADC Sum Att


Entries 790088
TOF Mult
ZDC-West ADC Sum Att


Entries 790088
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 790088
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 790088
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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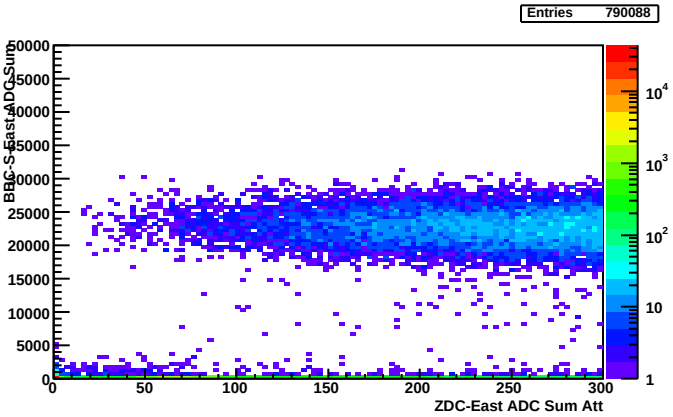
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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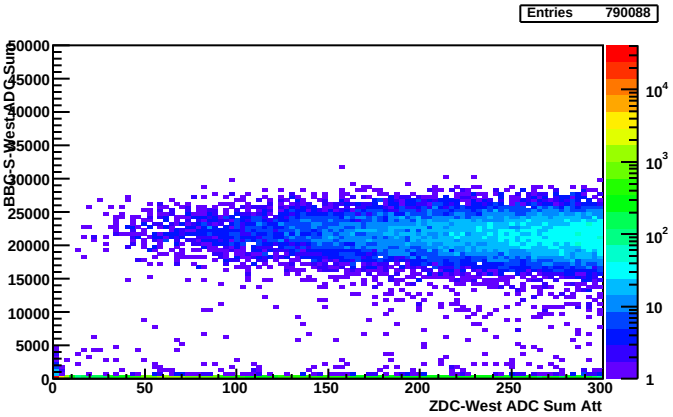
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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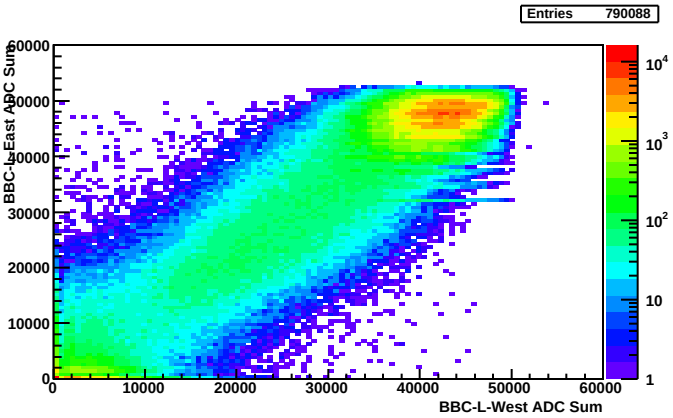
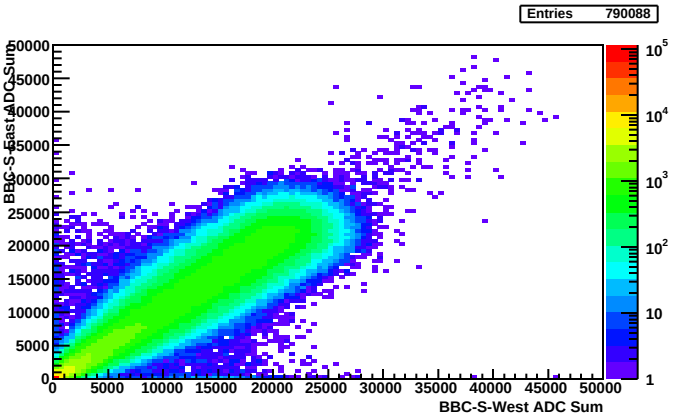
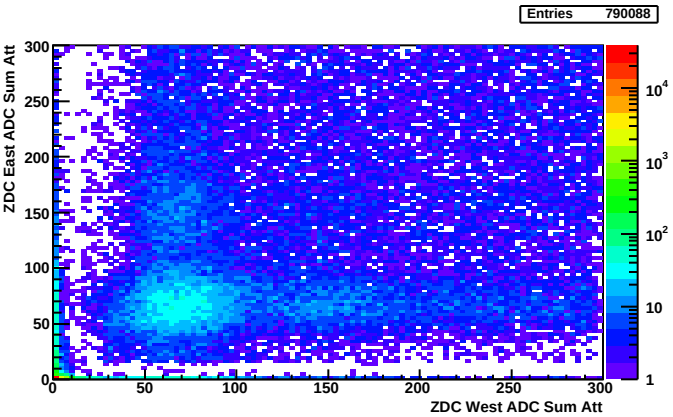
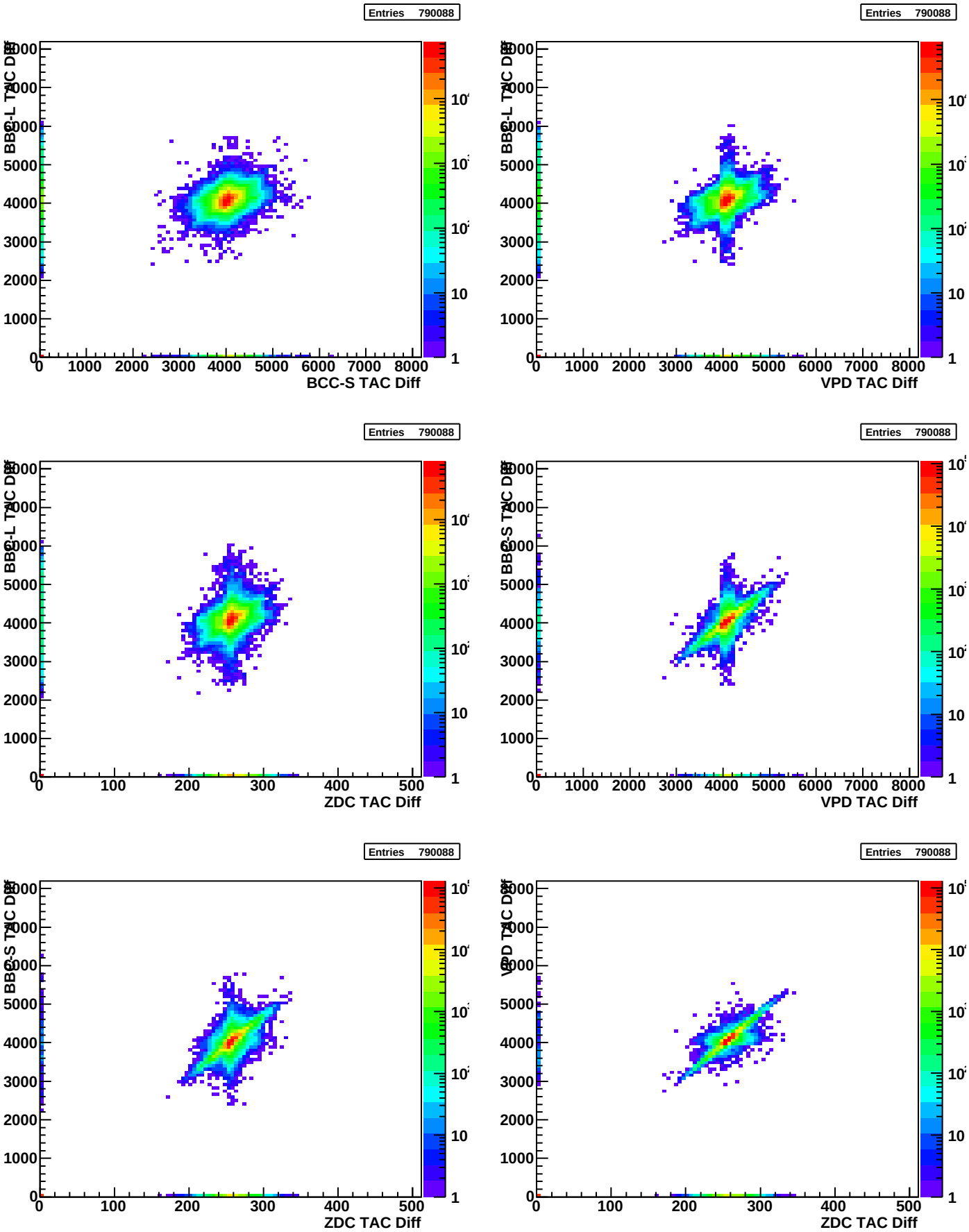
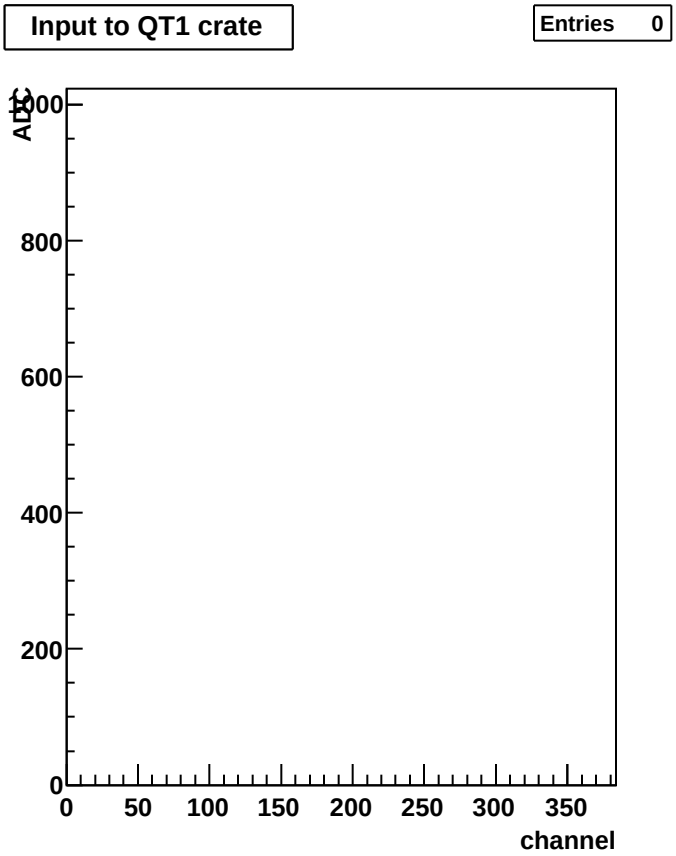
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

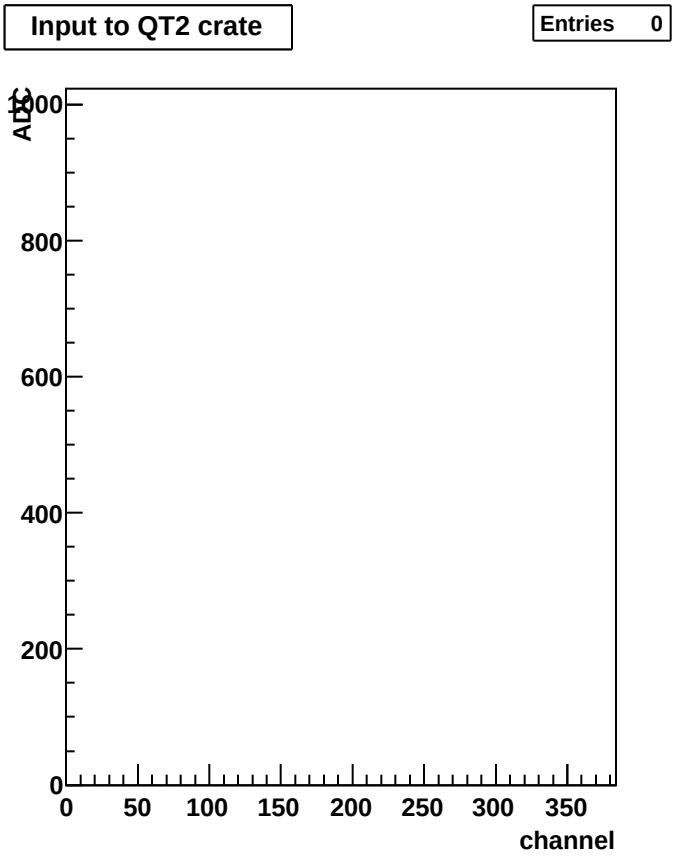

Entries 790088
BBC-L-East ADC Sum
BBC-L-West ADC Sum

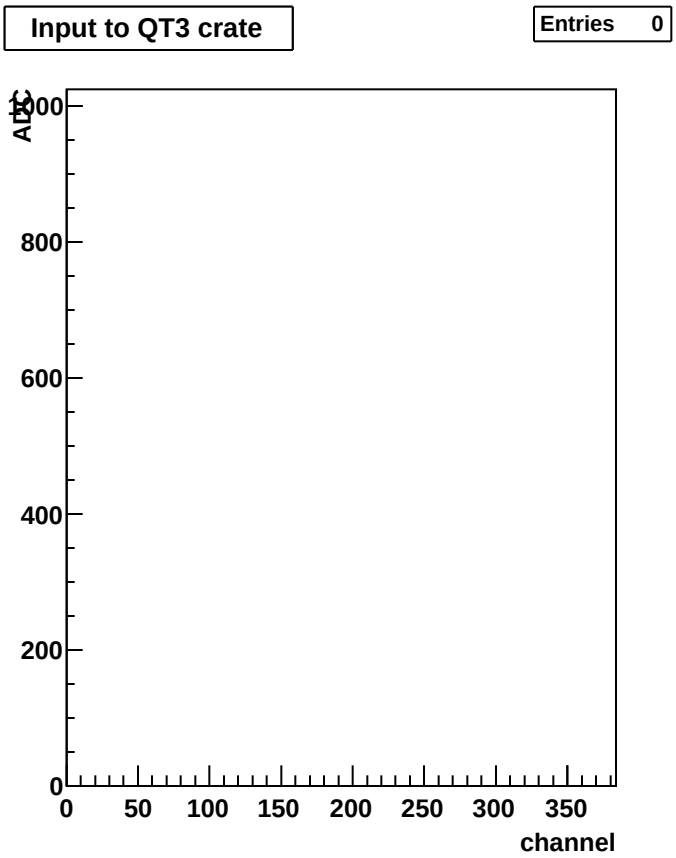

Entries 790088
BBC-S-East ADC Sum
BBC-S-West ADC Sum

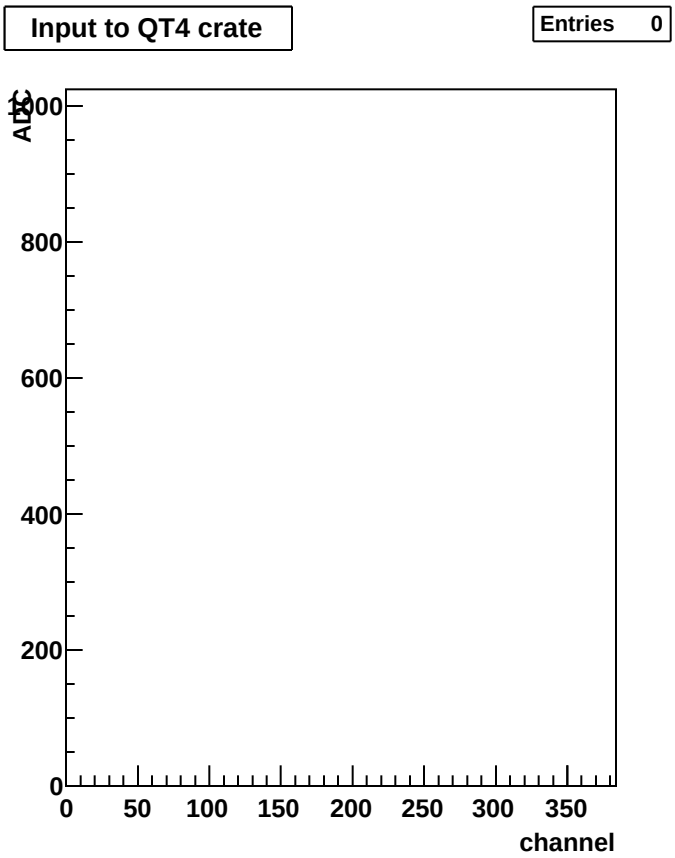

Entries 790088
ZDC East ADC Sum Att
ZDC West ADC Sum Att

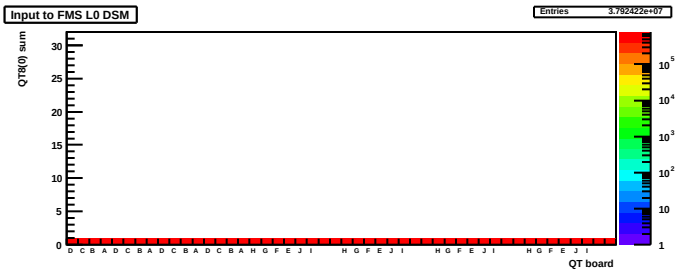

Entries 790088
BBC-L TAC Diff
BCC-S TAC Diff
Entries 790088
BBC-L TAC Diff
VPD TAC Diff
Entries 790088
BBC-L TAC Diff
ZDC TAC Diff
Entries 790088
BBC-S TAC Diff
VPD TAC Diff
Entries 790088
BBC-S TAC Diff
ZDC TAC Diff
Entries 790088
VPD TAC Diff
ZDC TAC Diff

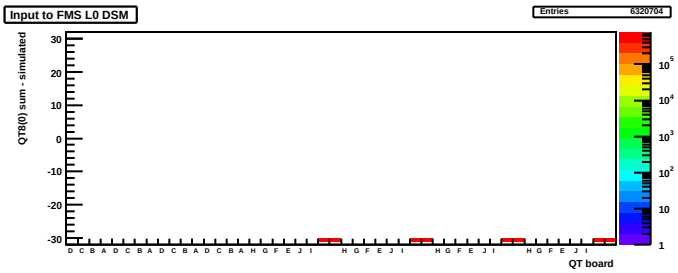

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

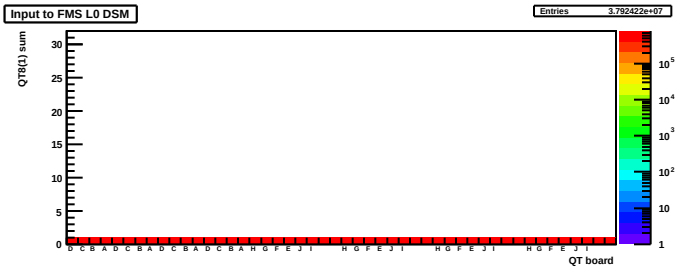

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

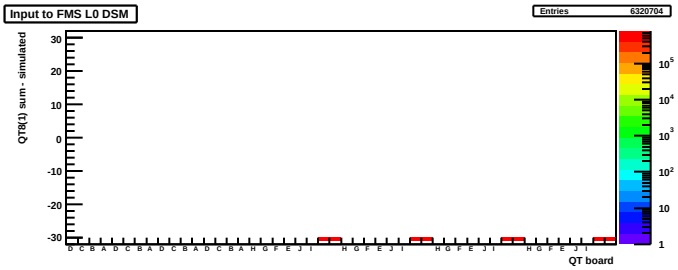

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

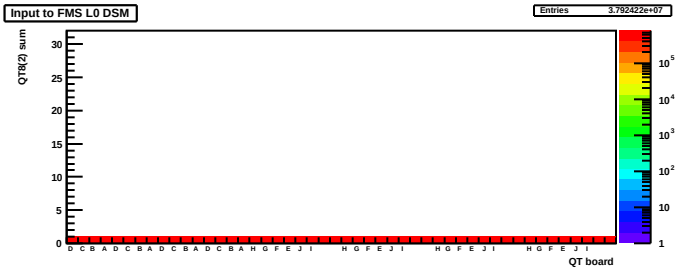

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

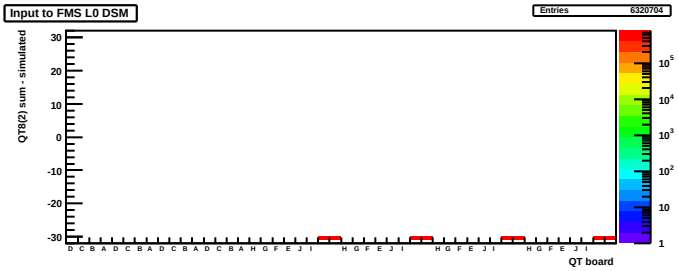

Input to FMS L0 DSM
Entries 3.792422e+07
QT8(0) sum
QT board

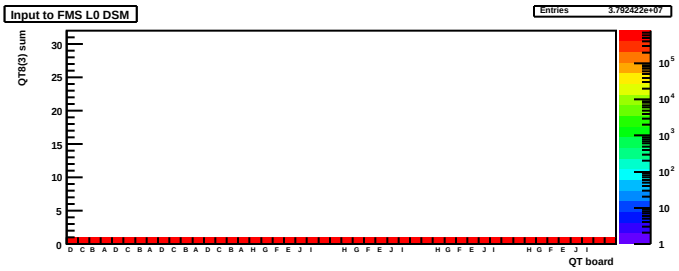

Input to FMS L0 DSM
Entries 6320704
QT8(0) sum - simulated
QT board

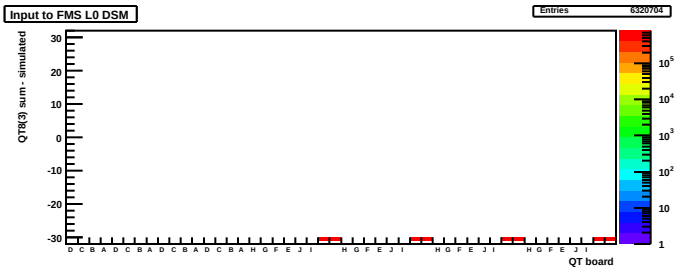

Input to FMS L0 DSM
Entries 3.792422e+07
QT8(1) sum
QT board

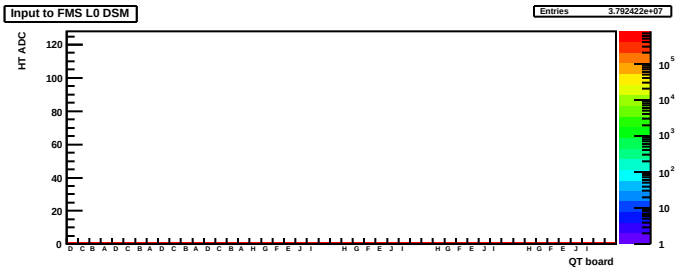

Input to FMS L0 DSM
Entries 6320704
QT8(1) sum - simulated
QT board

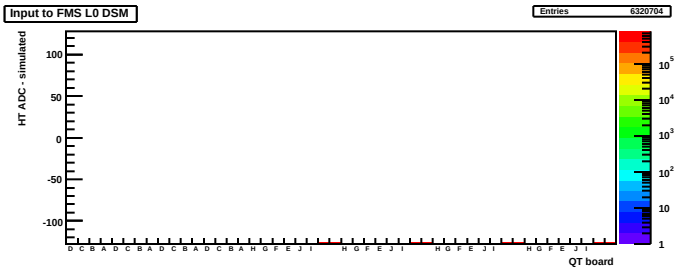

Input to FMS L0 DSM
Entries 3.792422e+07
QT8(2) sum
QT board

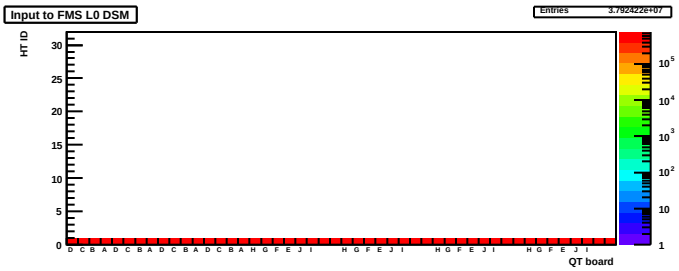

Input to FMS L0 DSM
Entries 6320704
QT8(2) sum - simulated
QT board

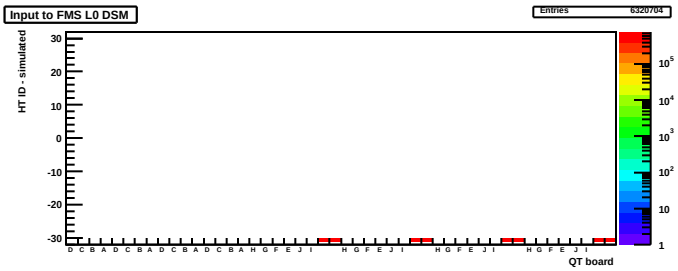

Input to FMS L0 DSM
Entries 3.792422e+07
QT8(3) sum
QT board

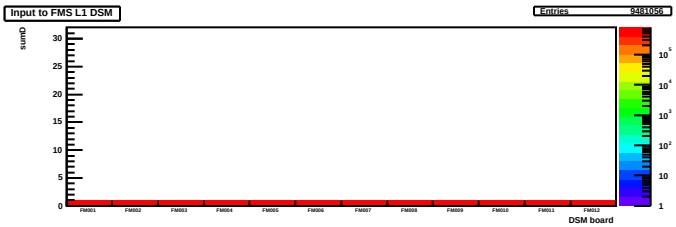

Input to FMS L0 DSM
Entries 6320704
QT8(3) sum - simulated
QT board

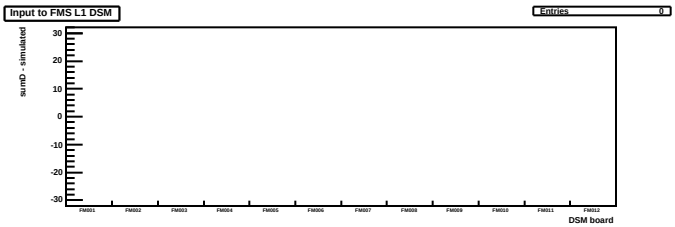

Input to FMS L0 DSM
Entries 3.792422e+07
HT ADC
QT board

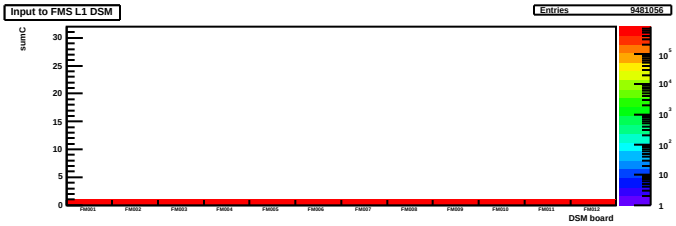

Input to FMS L0 DSM
Entries 6320704
HT ADC - simulated
QT board

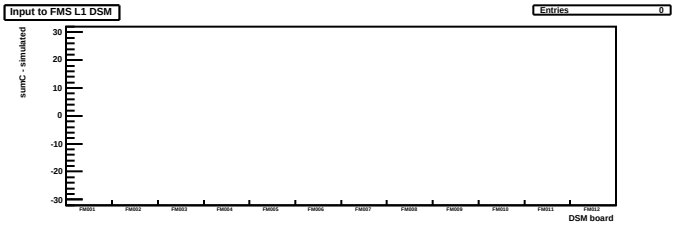

Input to FMS L0 DSM
Entries 3.792422e+07
HT ID
QT board

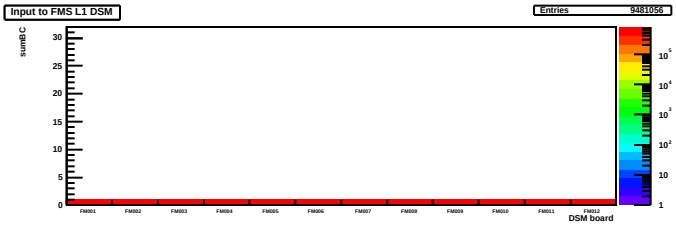

Input to FMS L0 DSM
Entries 6320704
HT ID - simulated
QT board

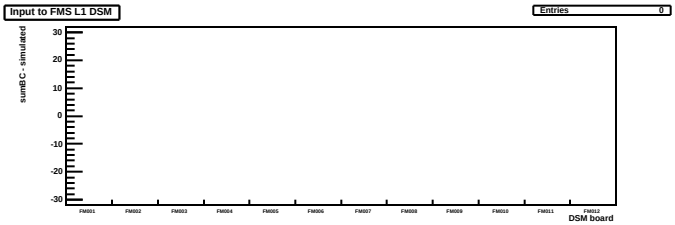

Input to FMS L1 DSM
Entries 9481056
sumD
DSM board

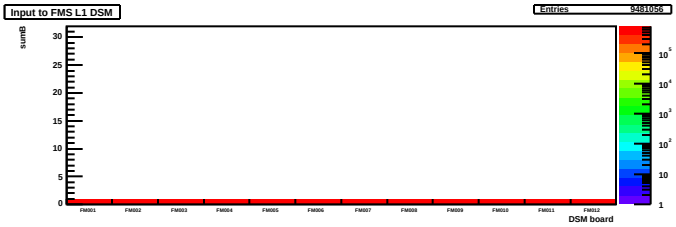

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

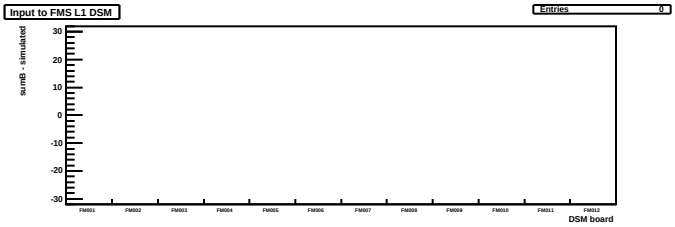

Input to FMS L1 DSM
Entries 9481056
sumC
DSM board

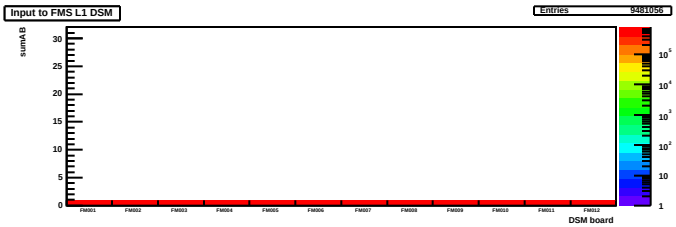

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

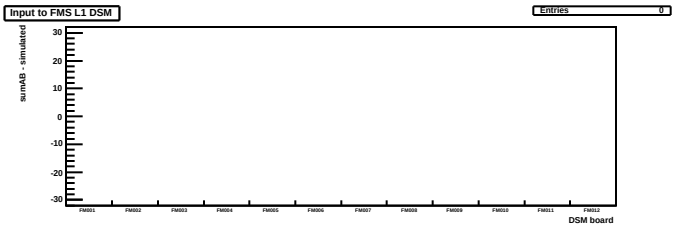

Input to FMS L1 DSM
Entries 9481056
sumBC
DSM board

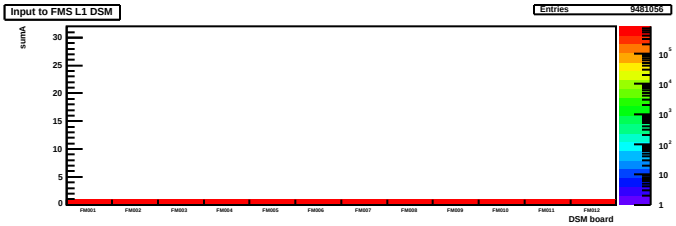

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

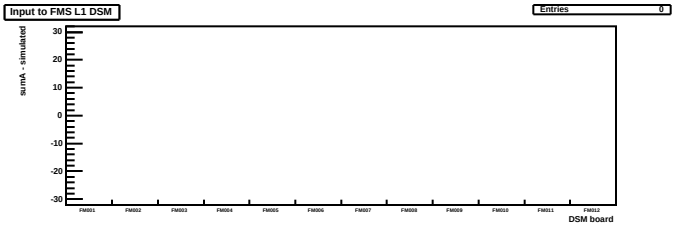

Input to FMS L1 DSM
Entries 9481056
sumB
DSM board

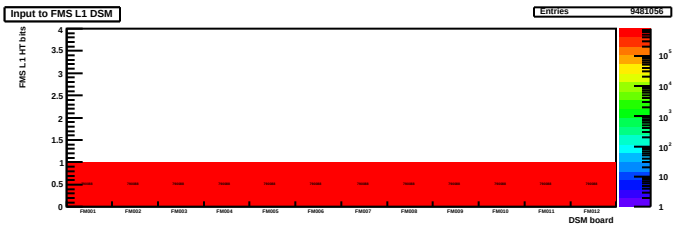

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

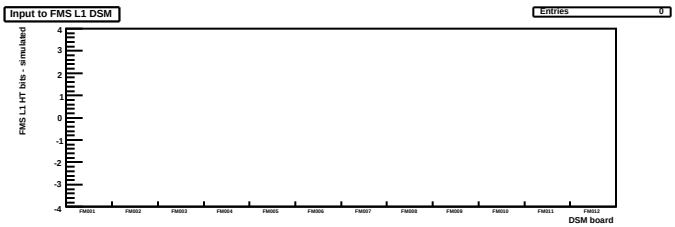

Input to FMS L1 DSM
Entries 9481056
sumAB
DSM board

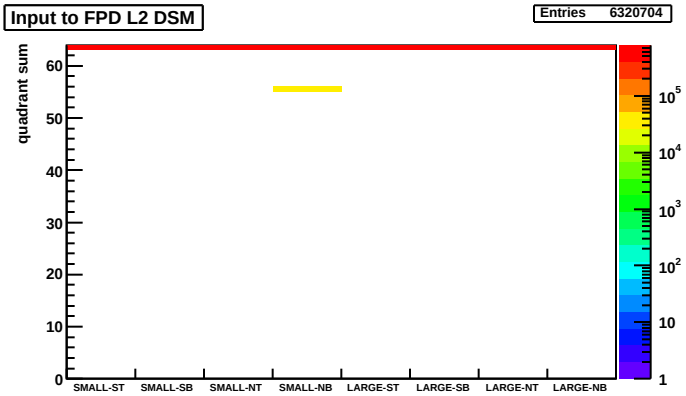

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

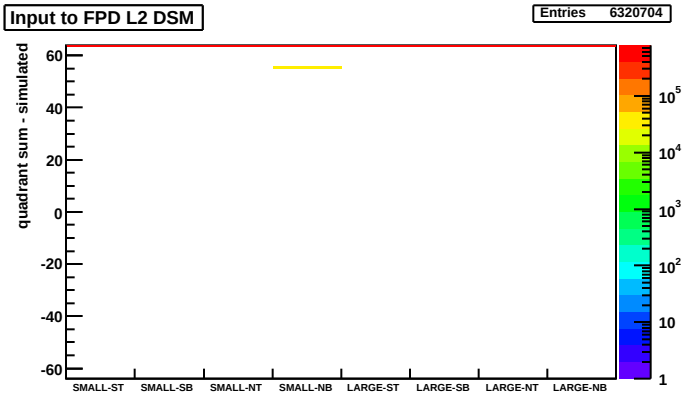

Input to FMS L1 DSM
Entries 9481056
sumA
DSM board

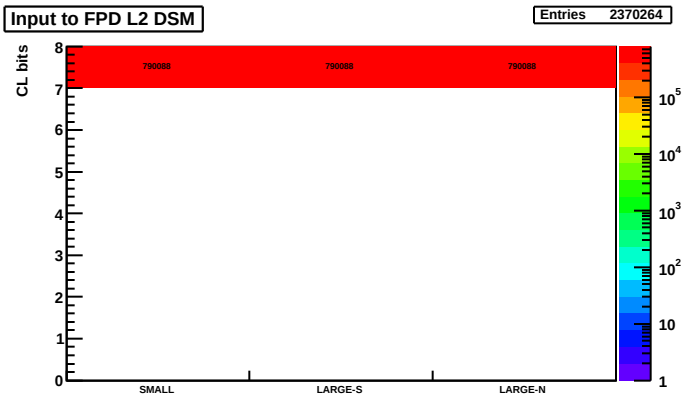

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

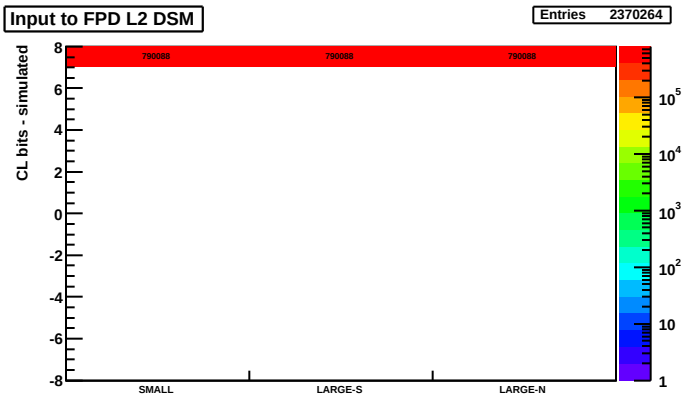

Input to FMS L1 DSM
Entries 9481056
FMS L1 HT bits
DSM board

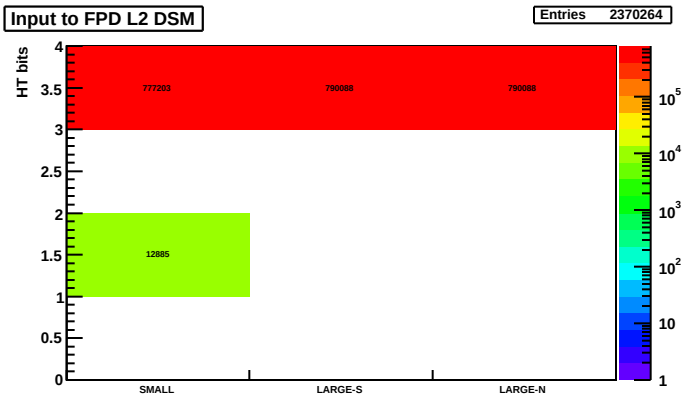

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

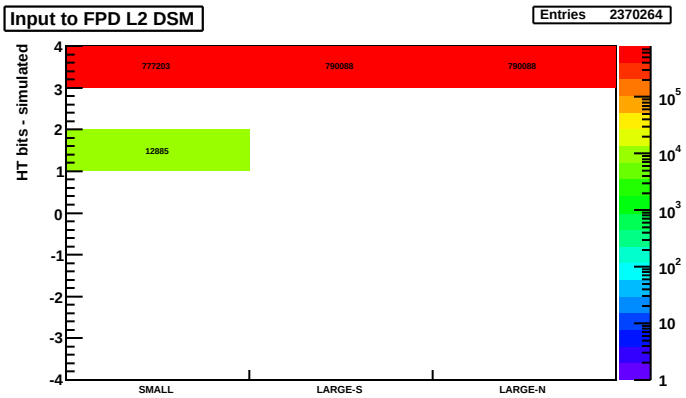

Input to FPD L2 DSM
Entries 6320704
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

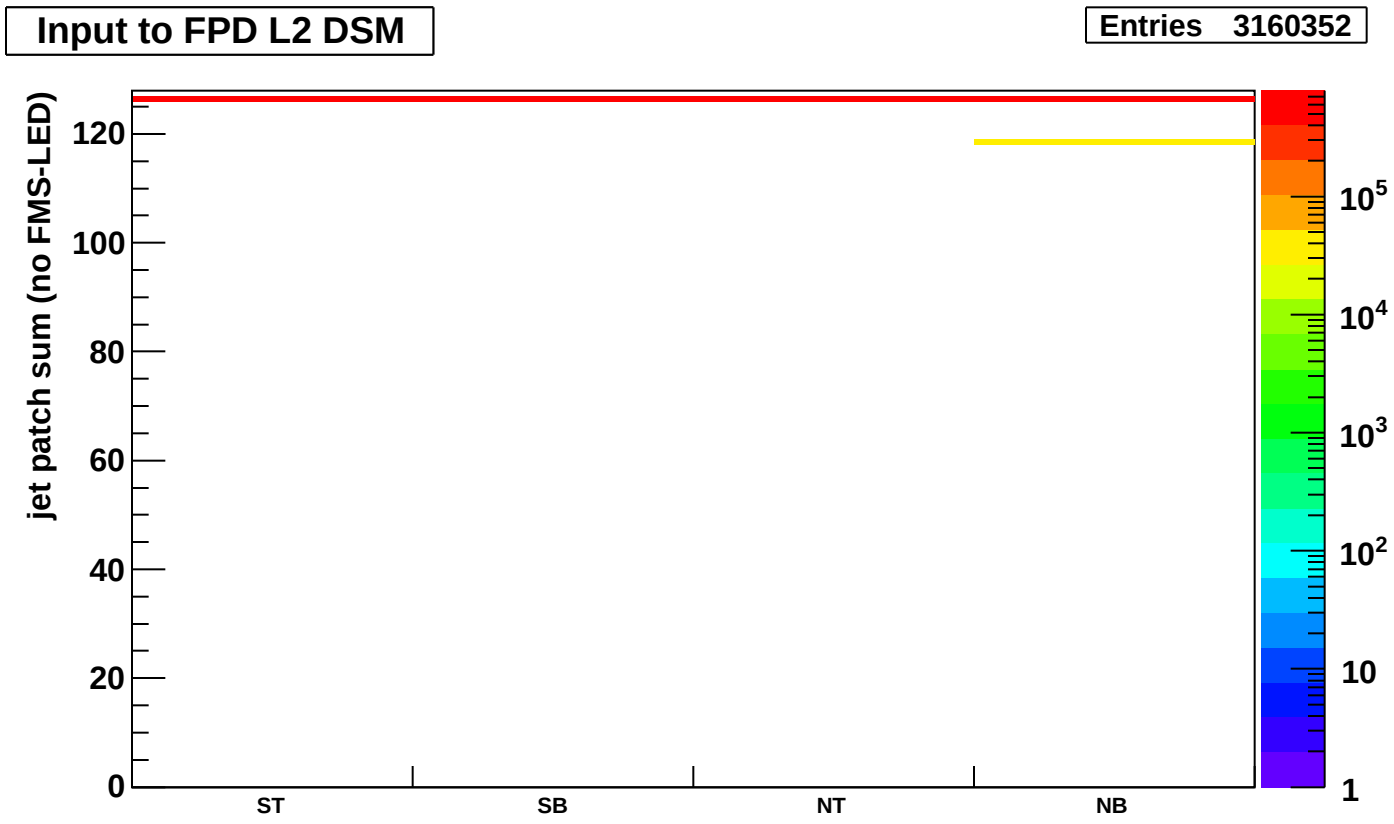

Input to FPD L2 DSM
Entries 6320704
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

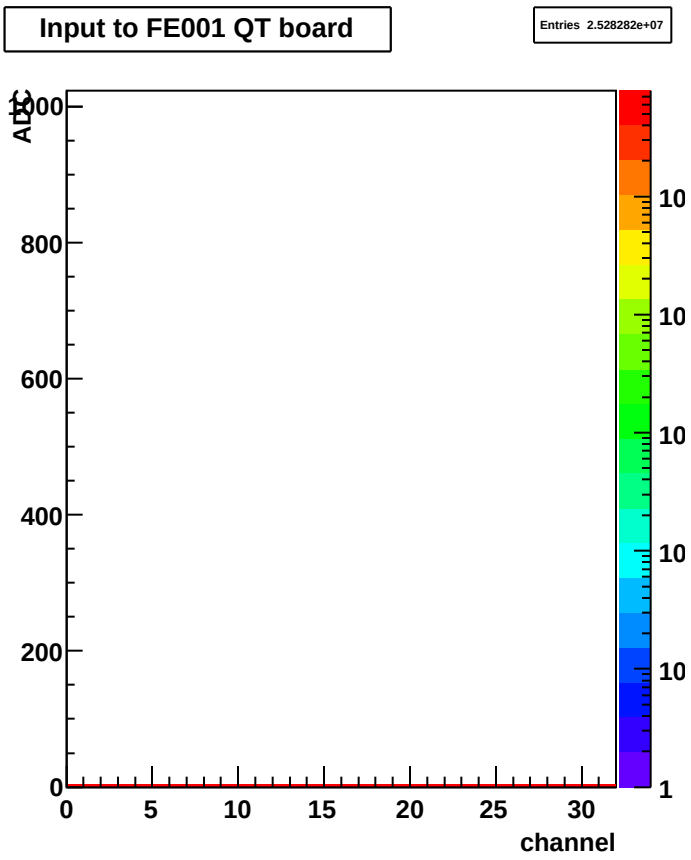

Input to FPD L2 DSM
Entries 2370264
CL bits
790088
790088
790088
SMALL
LARGE-S
LARGE-N

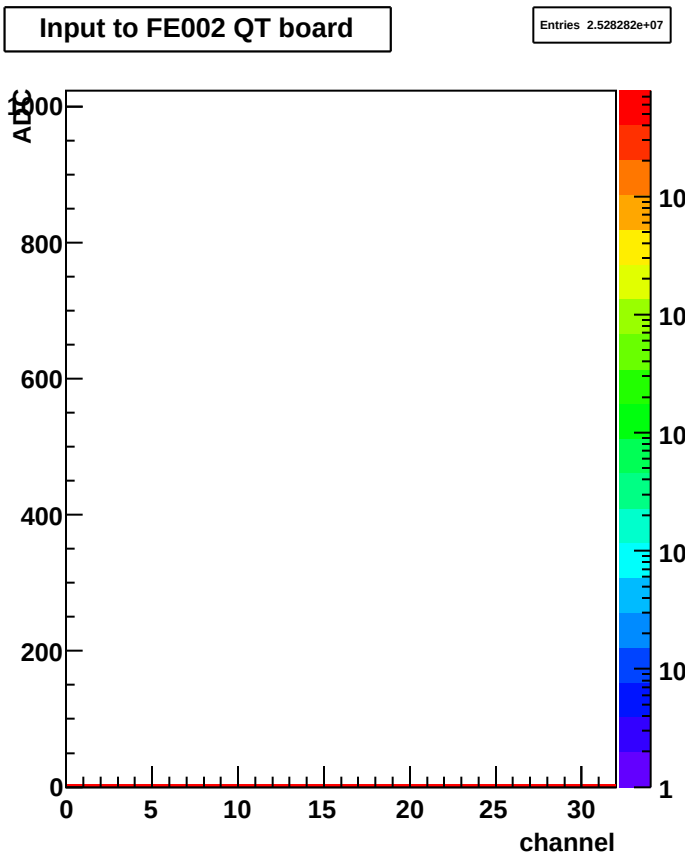

Input to FPD L2 DSM
Entries 2370264
CL bits - simulated
790088
790088
790088
SMALL
LARGE-S
LARGE-N

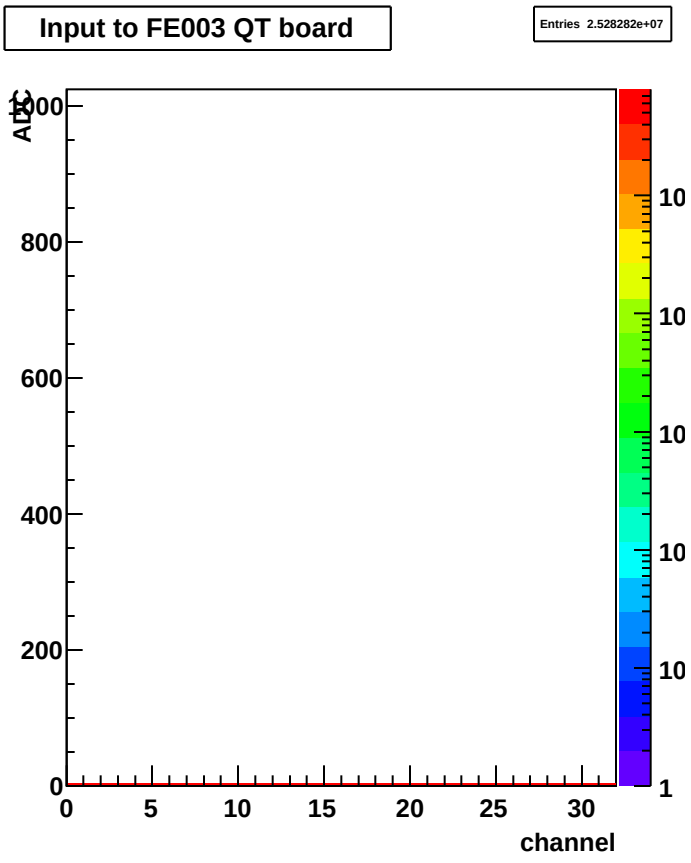

Input to FPD L2 DSM
Entries 2370264
HT bits
777203
790088
790088
12885
SMALL
LARGE-S
LARGE-N

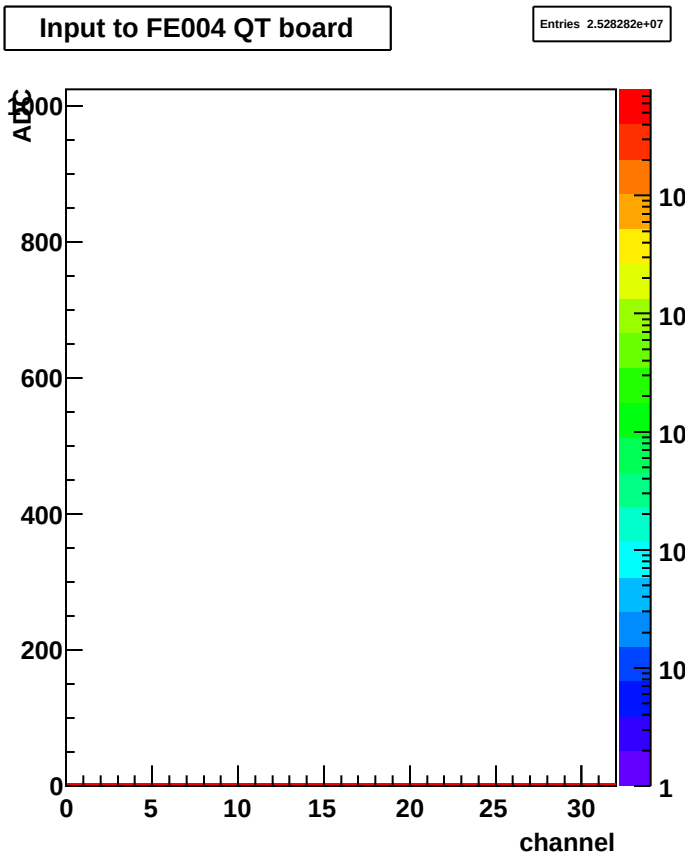

Input to FPD L2 DSM
Entries 2370264
HT bits - simulated
777203
790088
790088
12885
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 3160352
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

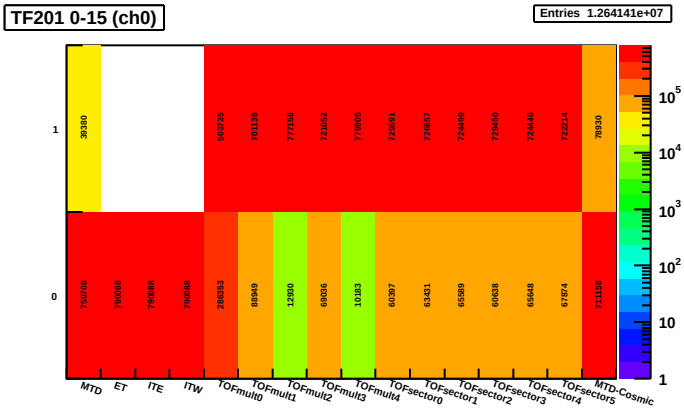

Input to FE001 QT board
Entries 2.528282e+07
ADC
channel


Input to FE002 QT board
Entries 2.528282e+07
ADC
channel

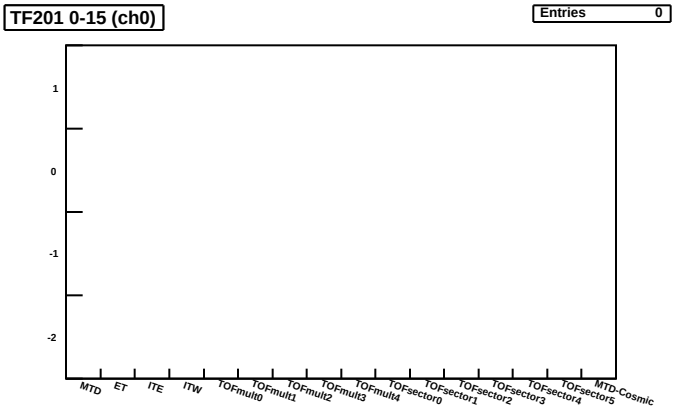

Input to FE003 QT board
Entries 2.528282e+07
ADC
channel


Input to FE004 QT board
Entries 2.528282e+07
ADC
channel

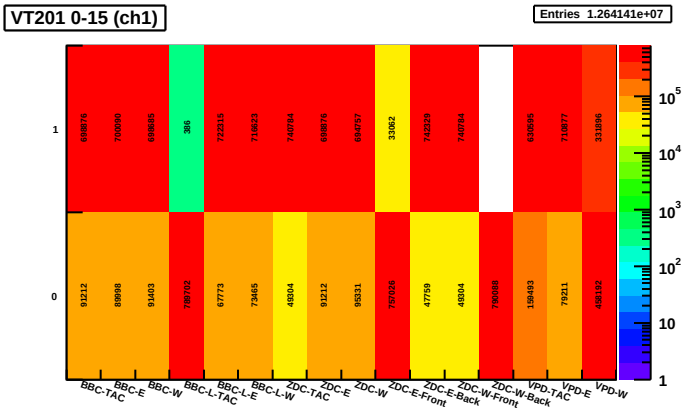
TF201 0-15 (ch0)



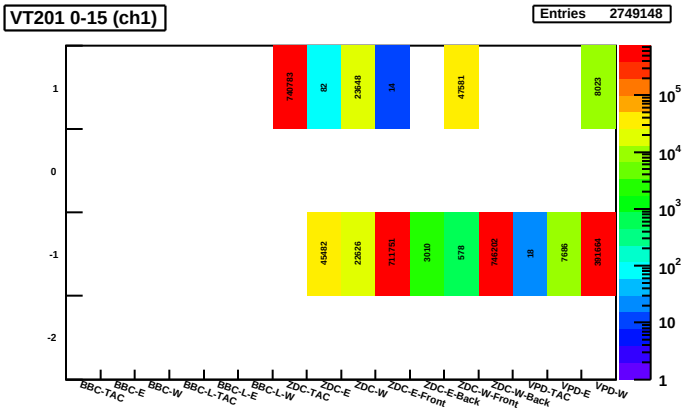
TF201 0-15 (ch0)



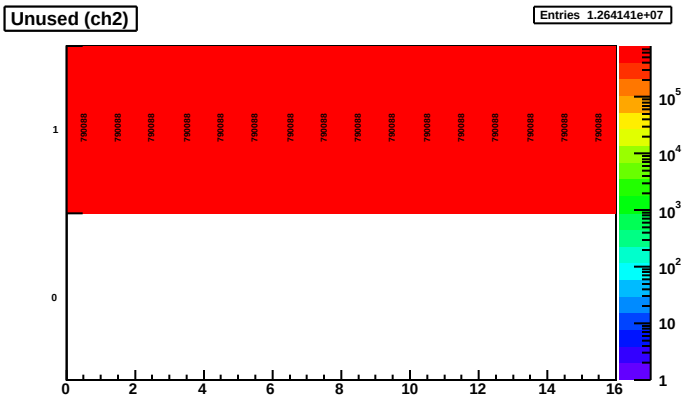
VT201 0-15 (ch1)

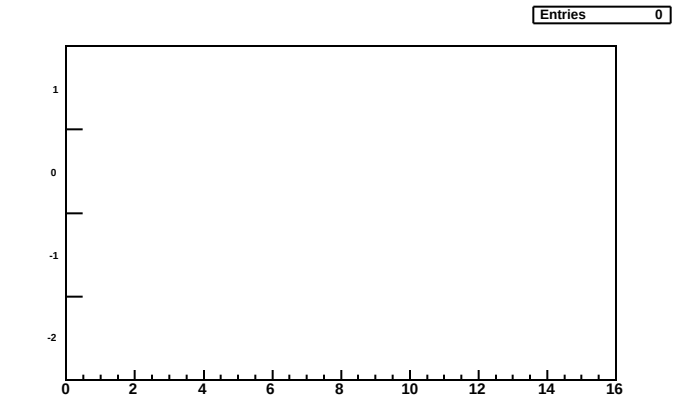


VT201 0-15 (ch1)

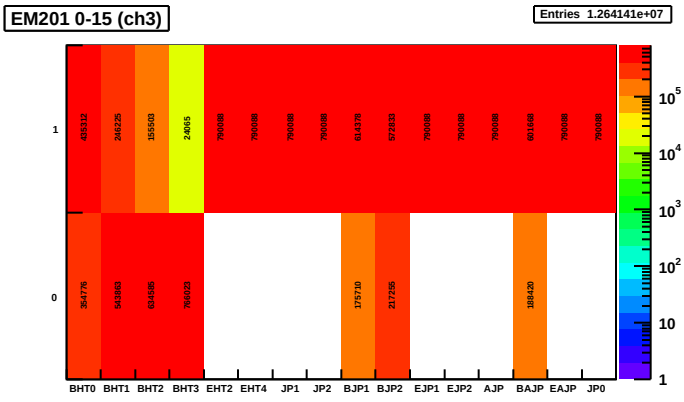


Unused (ch2)

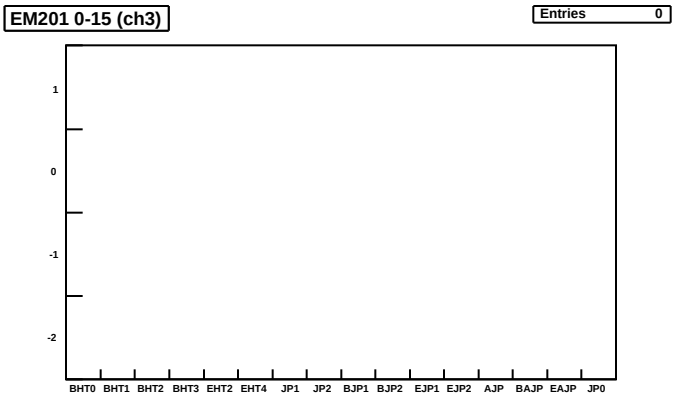




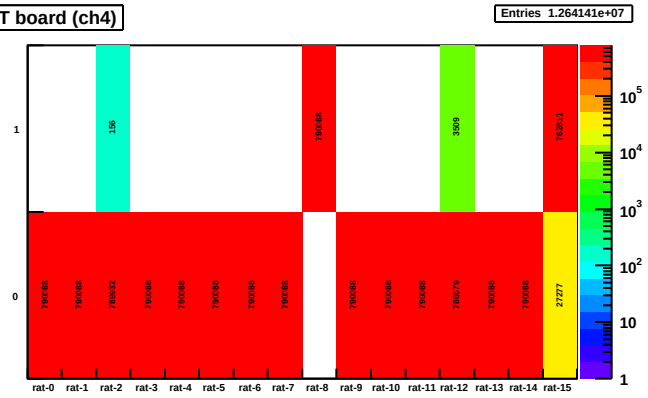
EM201 0-15 (ch3)

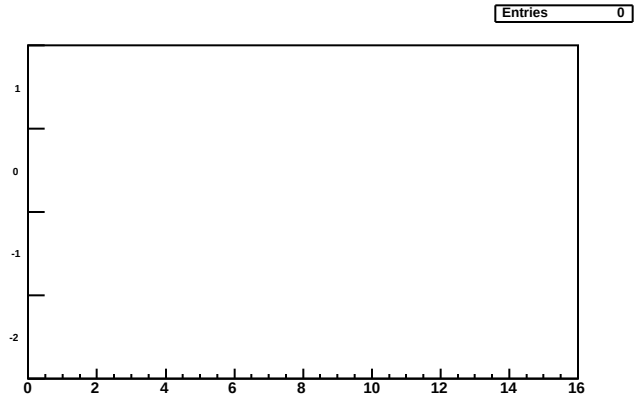


EM201 0-15 (ch3)

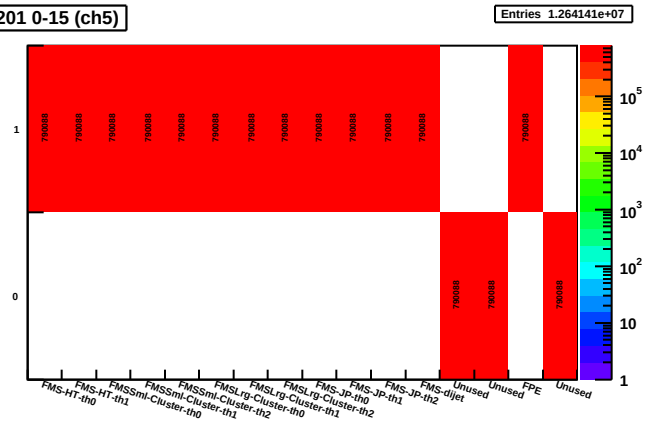


RAT board (ch4)

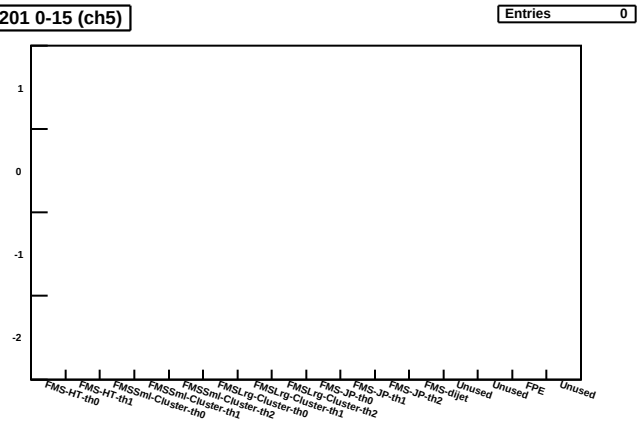




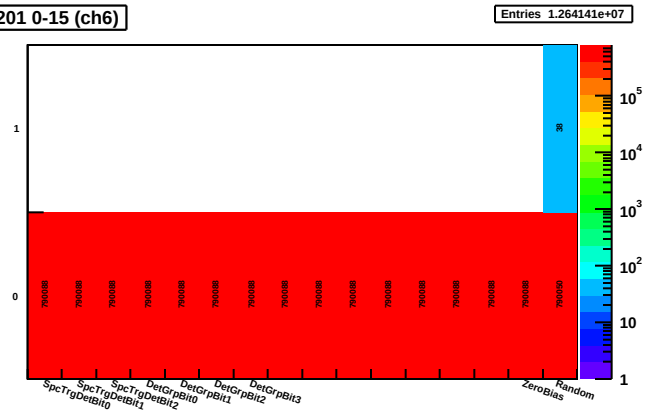
FP201 0-15 (ch5)

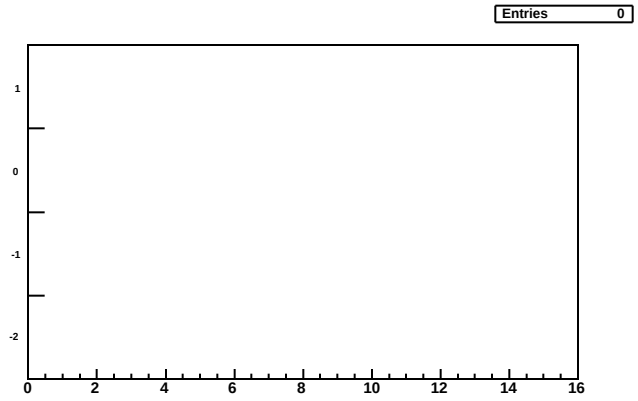
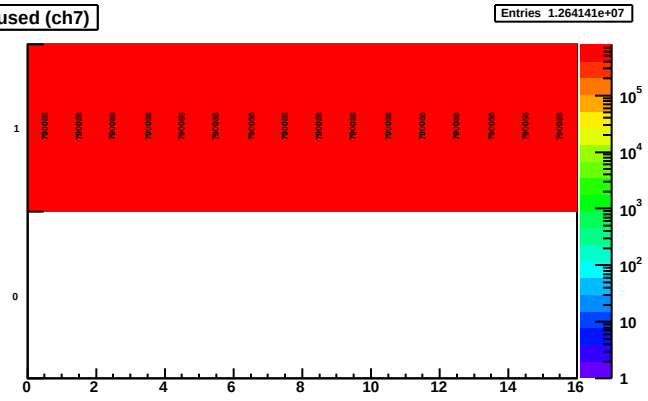
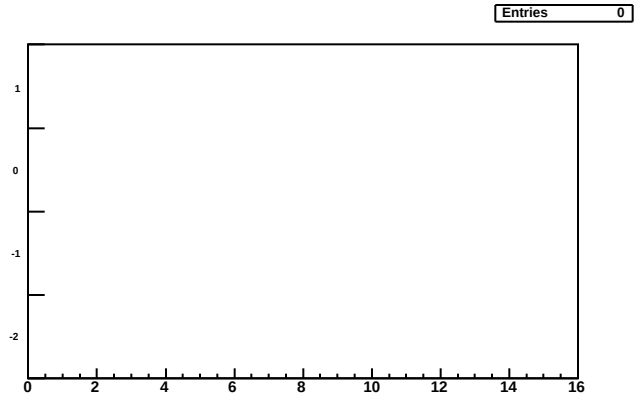


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)