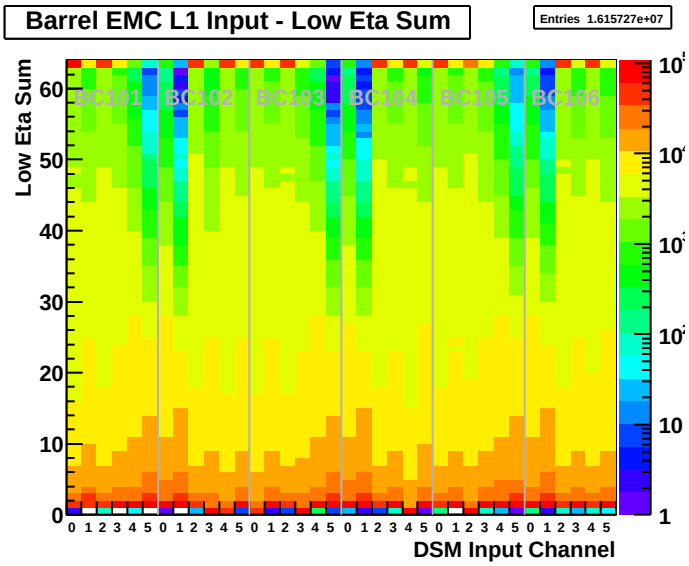
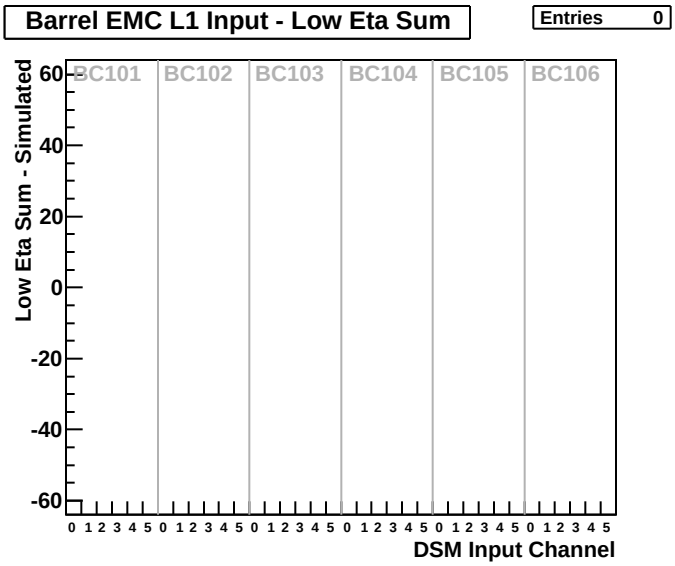
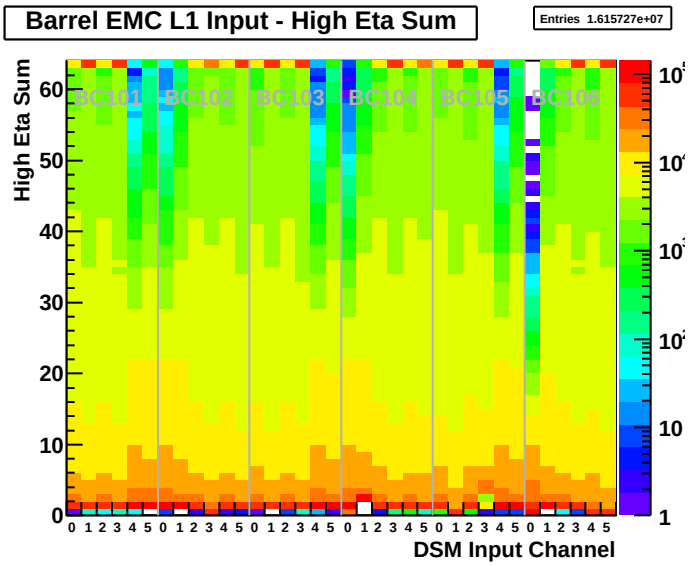
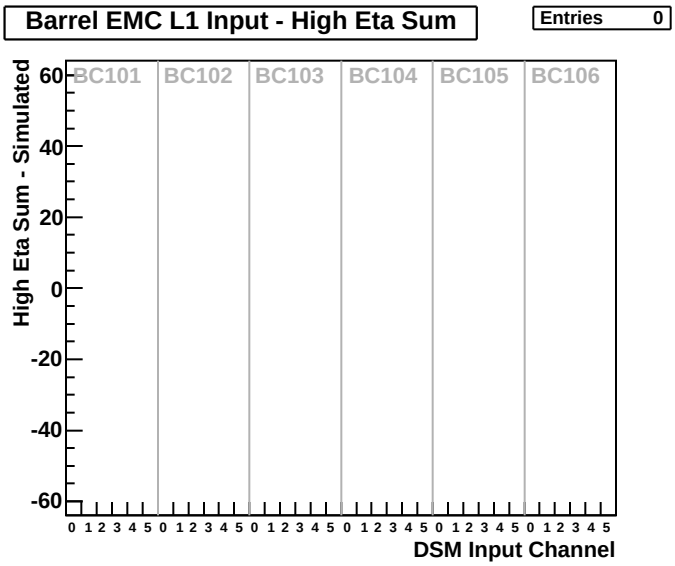
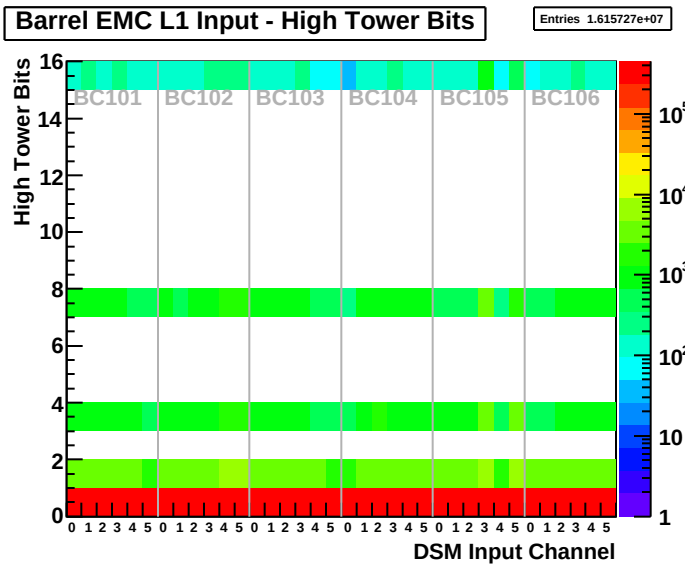
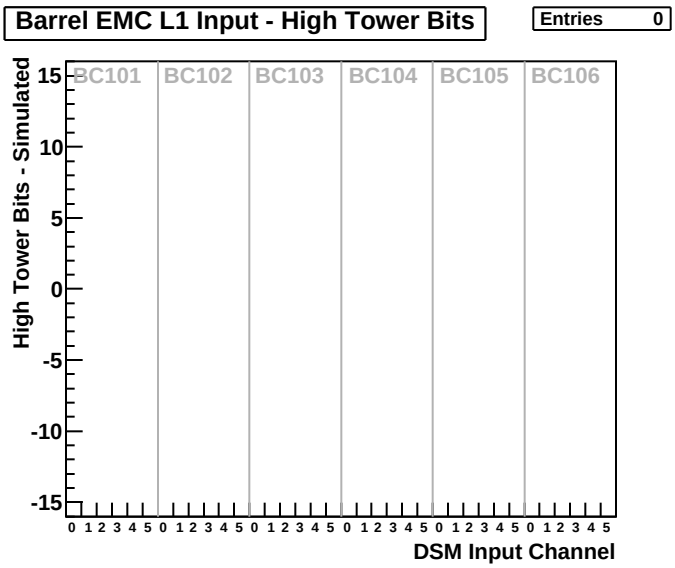

Barrel EMC L1 Input - Low Eta Sum
Entries 1.615727e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

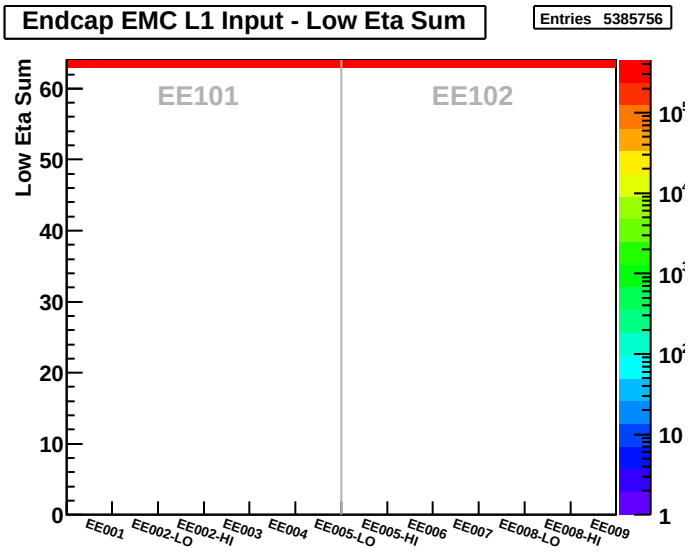

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

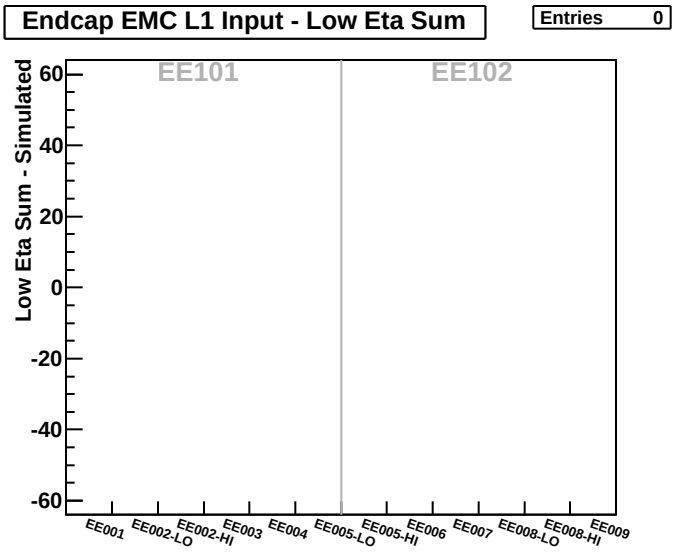

Barrel EMC L1 Input - High Eta Sum
Entries 1.615727e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

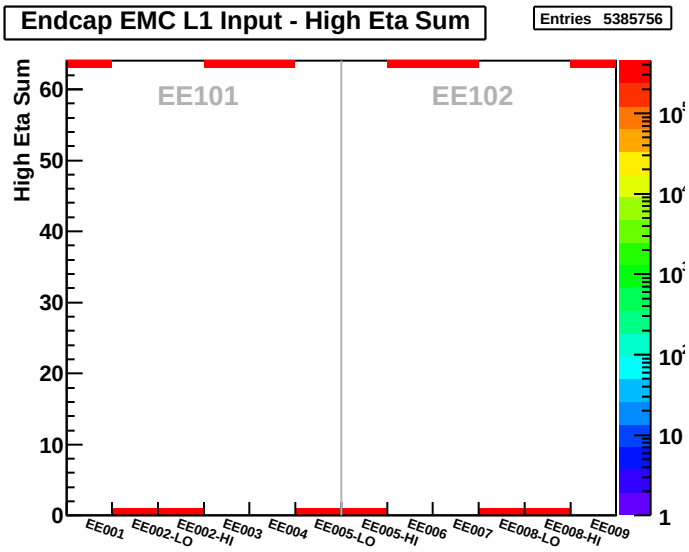

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

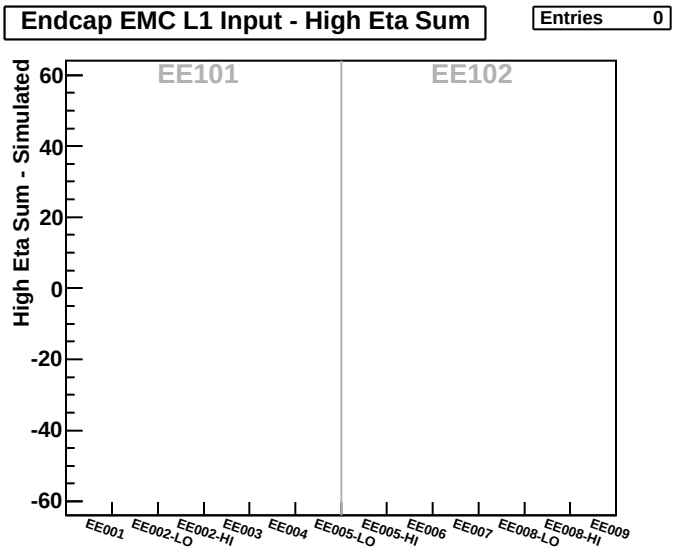

Barrel EMC L1 Input - High Tower Bits
Entries 1.615727e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

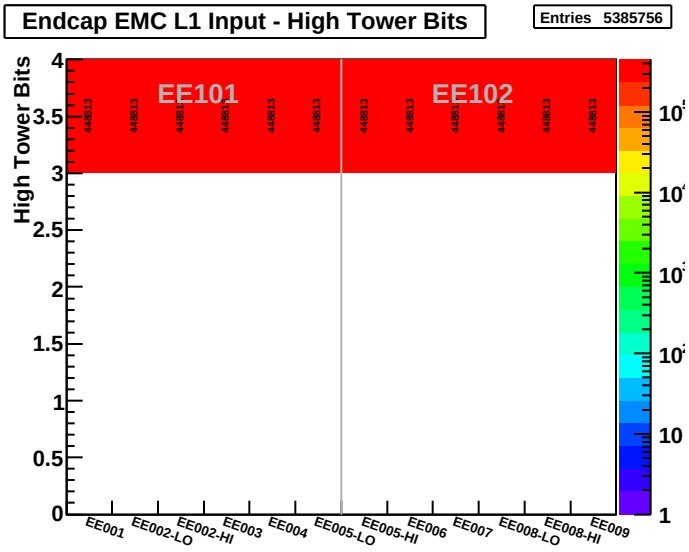

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

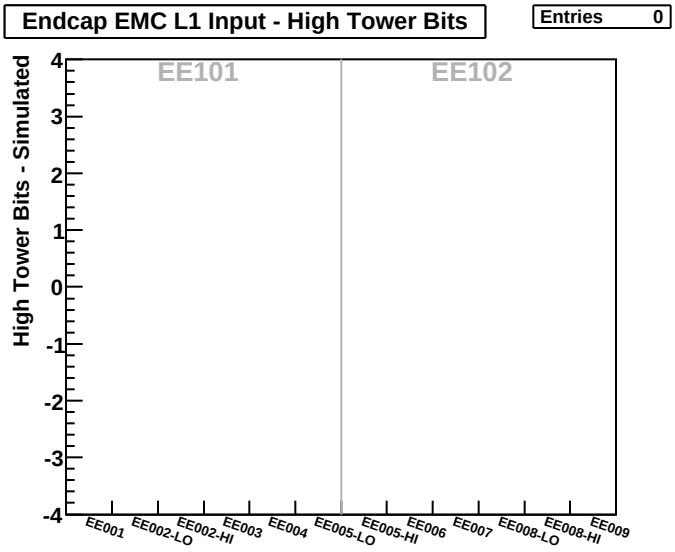

Endcap EMC L1 Input - Low Eta Sum
Entries 5385756
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

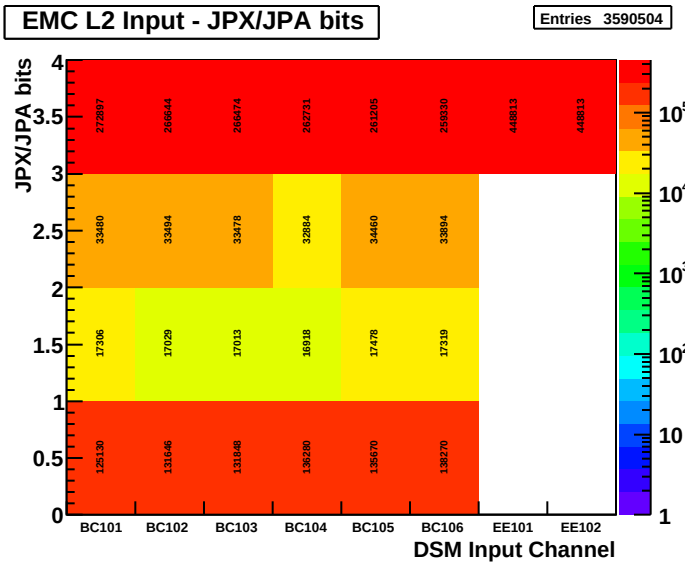

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

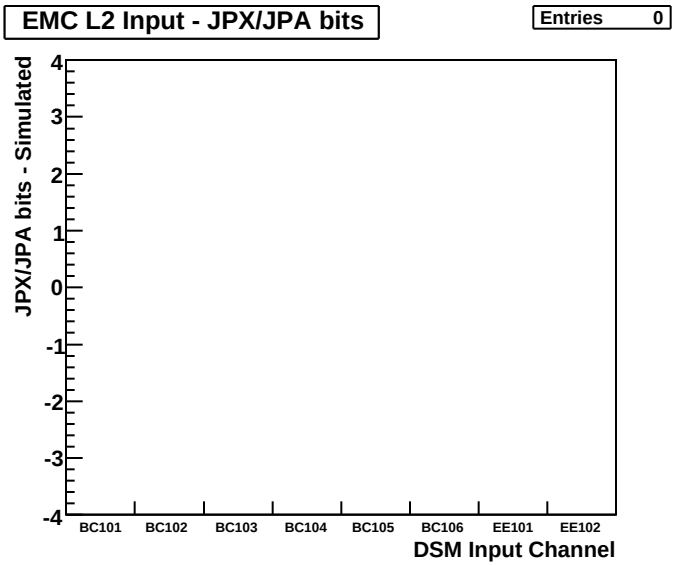

Endcap EMC L1 Input - High Eta Sum
Entries 5385756
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

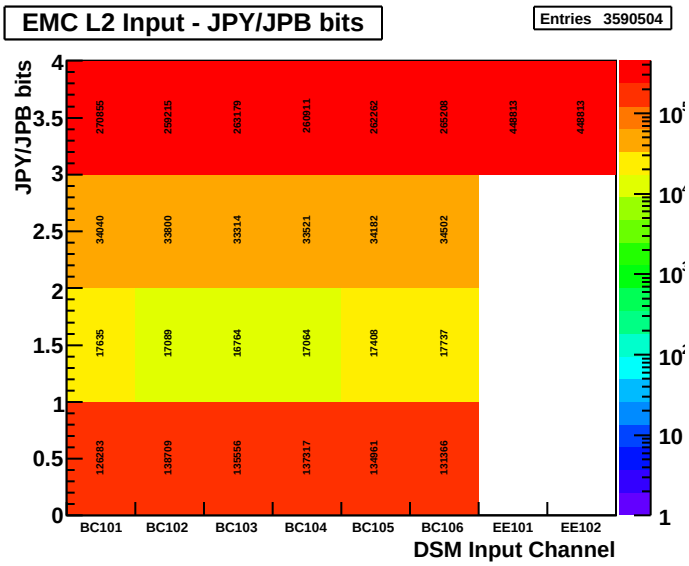

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

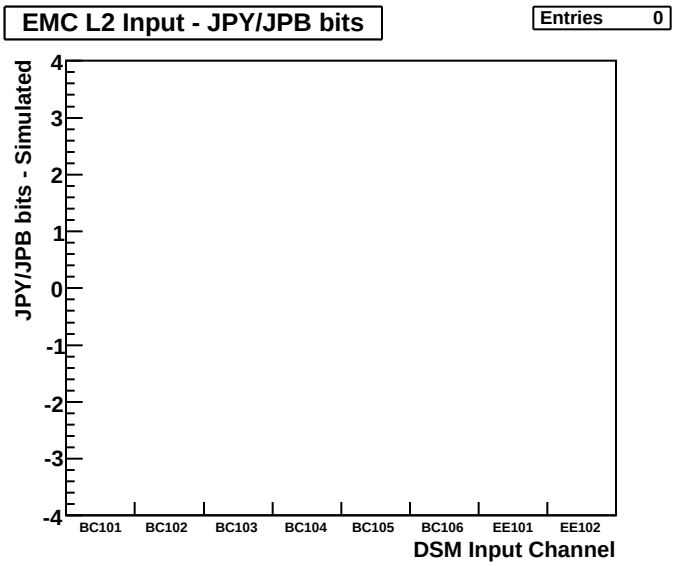

Endcap EMC L1 Input - High Tower Bits
Entries 5385756
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

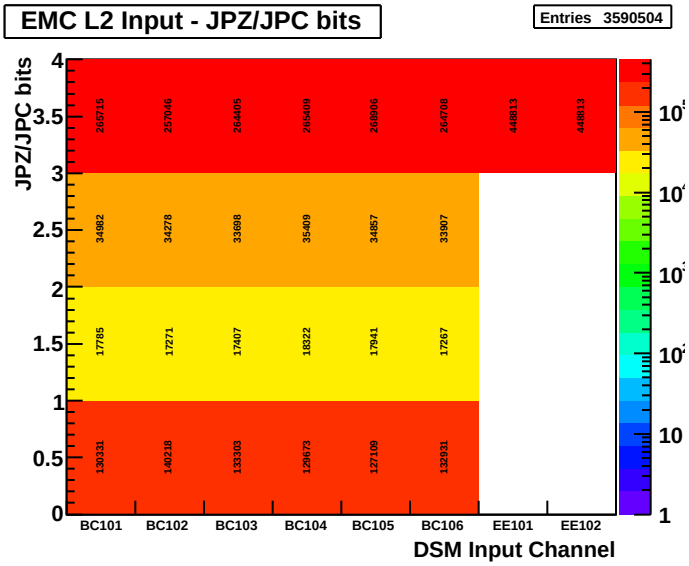

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

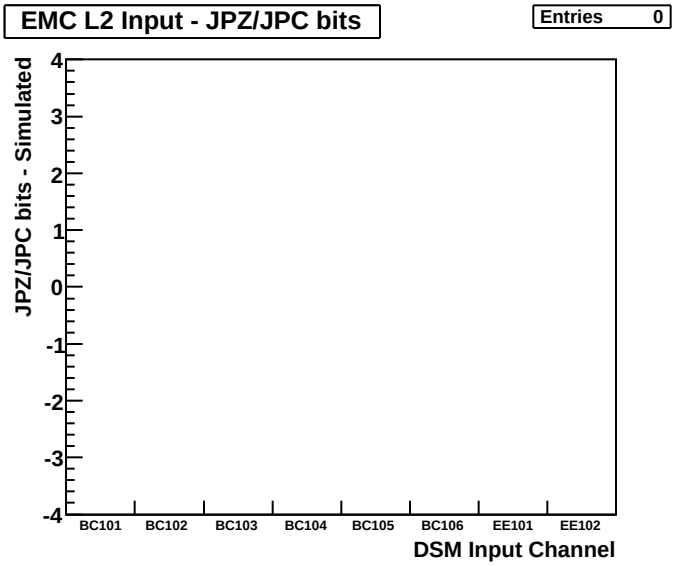

EMC L2 Input - JPX/JPA bits
Entries 3590504
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
272897 256644 256474 252731 251205 259330 448813 448813
33480 33494 33478 32884 34460 33894
17306 17029 17013 16918 17478 17319
125130 131646 131848 138280 135670 138270

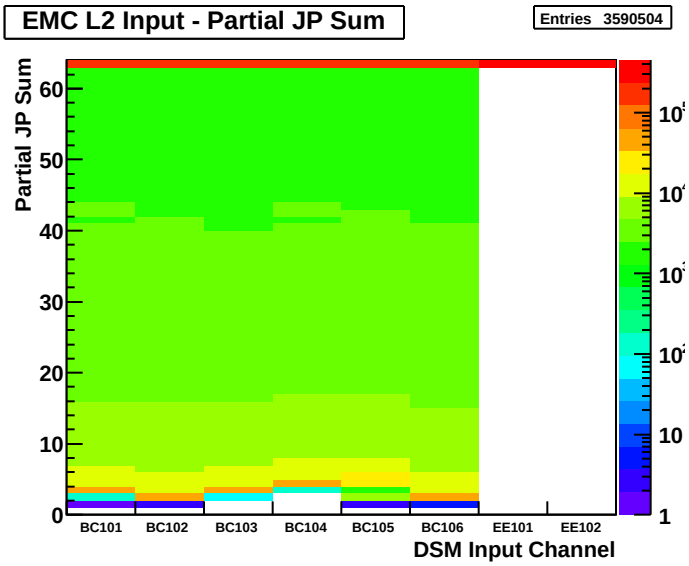

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

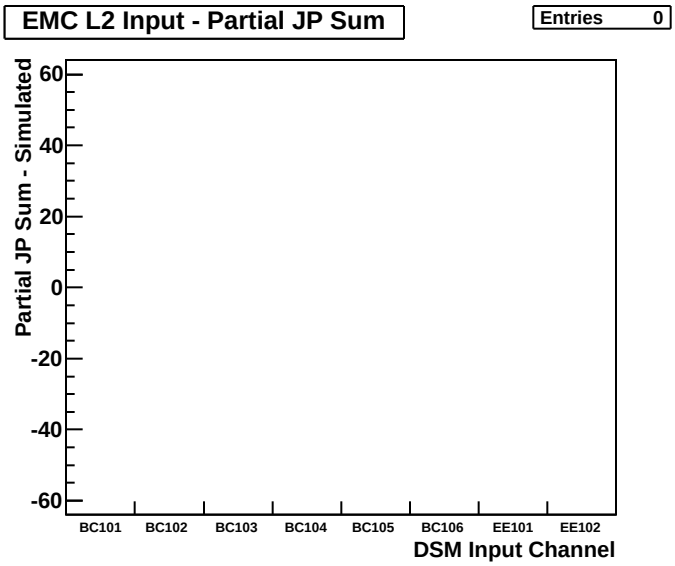

EMC L2 Input - JPY/JPB bits
Entries 3590504
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
270855 259215 263179 260911 262252 265208 448813 448813
34040 33800 33314 33521 34182 34502
17635 17089 16764 17064 17408 17737
126283 138709 135556 137317 134961 131366

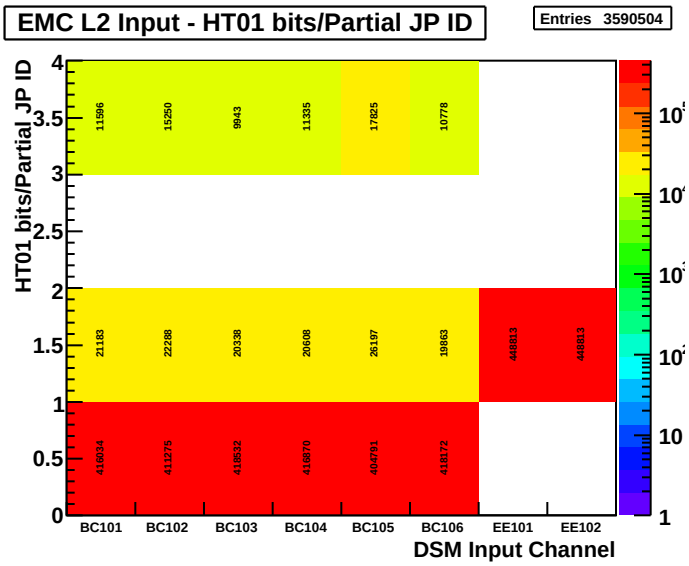

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

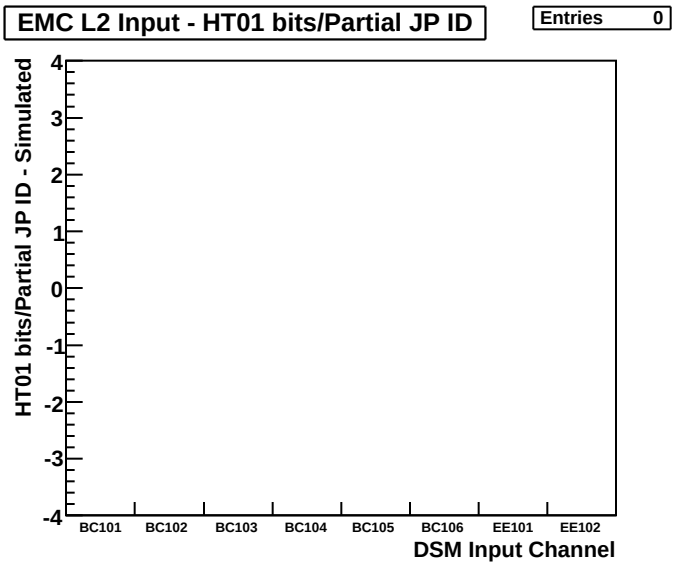

EMC L2 Input - JPZ/JPC bits
Entries 3590504
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
265715 257046 264405 265409 268906 264708 448813 448813
34962 34278 33698 35409 34857 33907
17785 17271 17407 18322 17941 17267
130331 140218 133303 129673 127109 132931

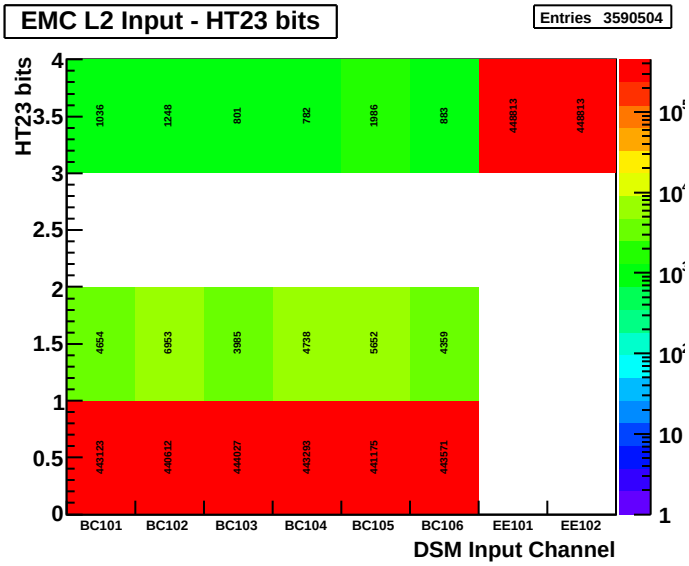

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

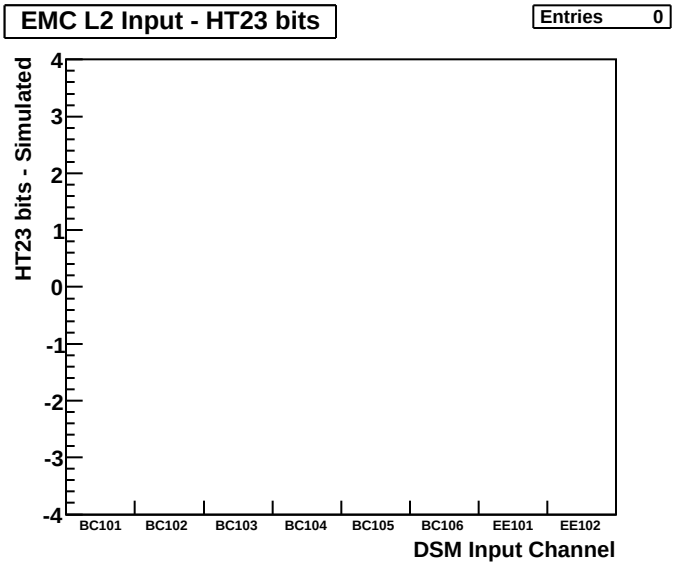

EMC L2 Input - Partial JP Sum
Entries 3590504
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

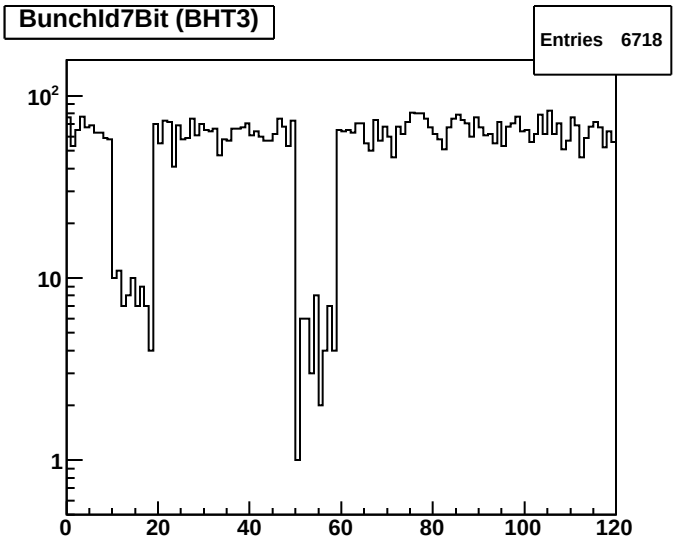

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

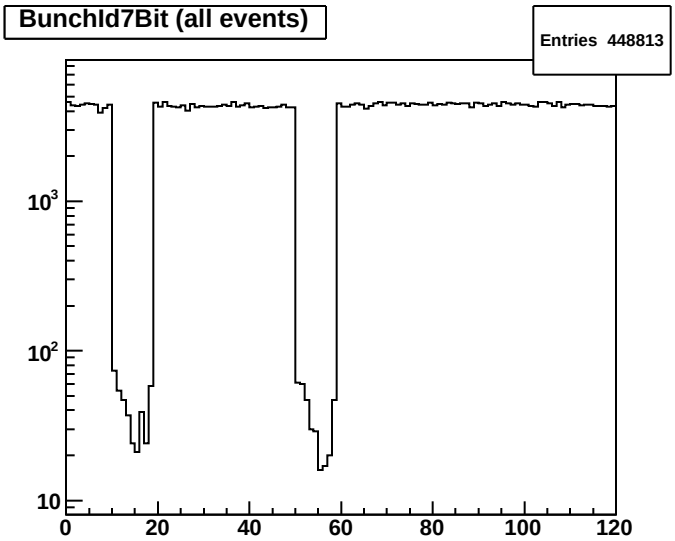

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3590504
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

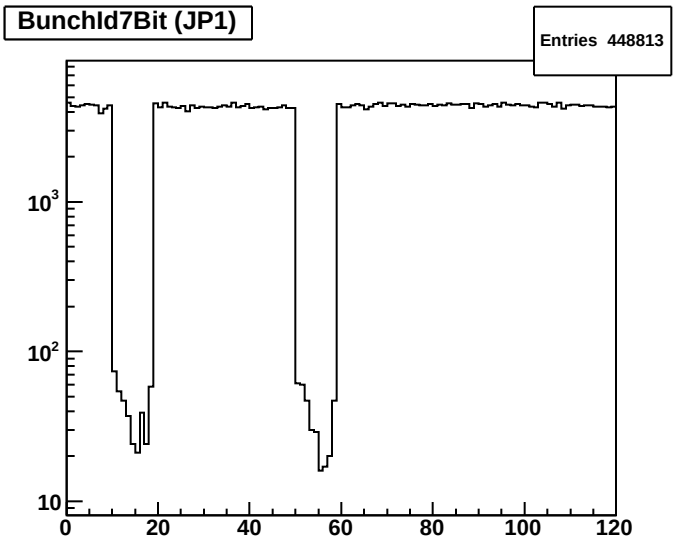

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

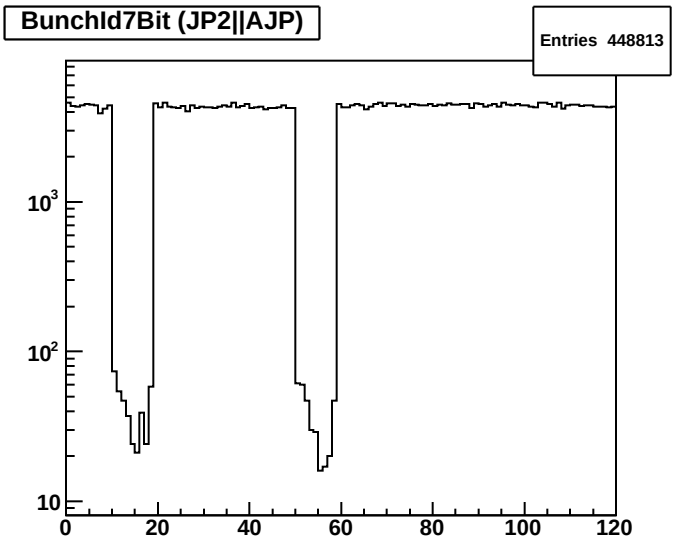

EMC L2 Input - HT23 bits
Entries 3590504
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

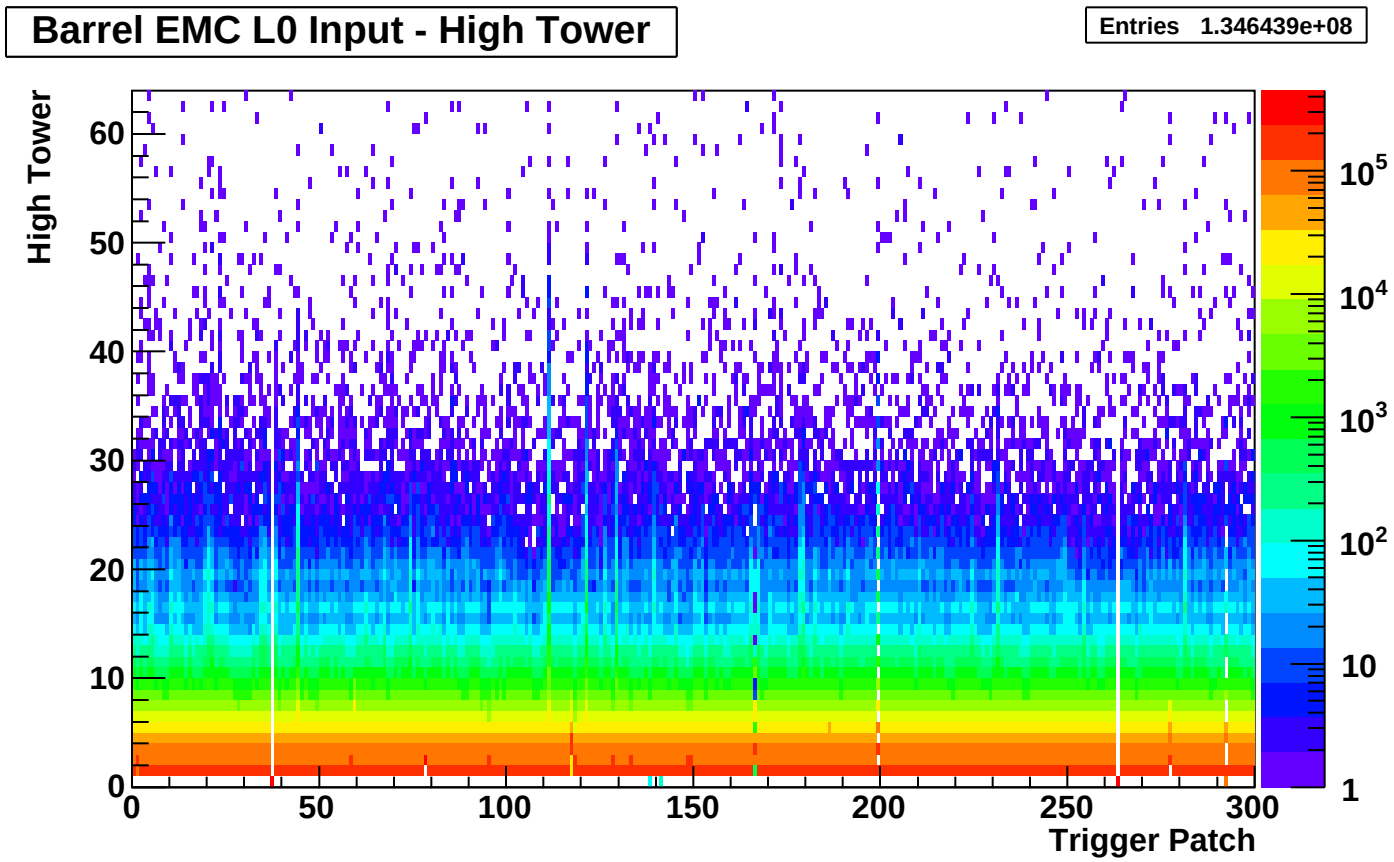

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

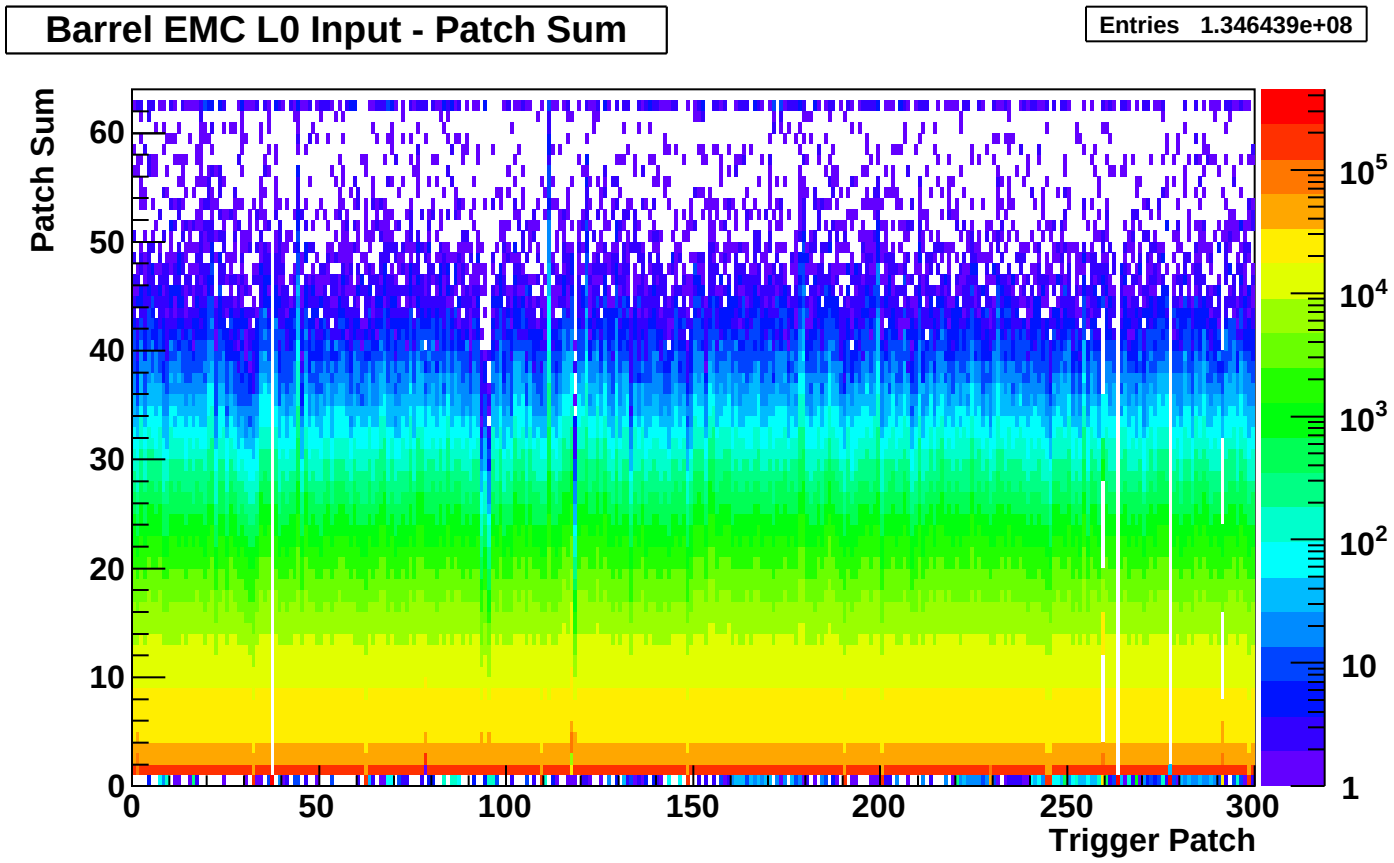

BunchId7Bit (BHT3)
Entries 6718
10^2
10
1
0
20
40
60
80
100
120

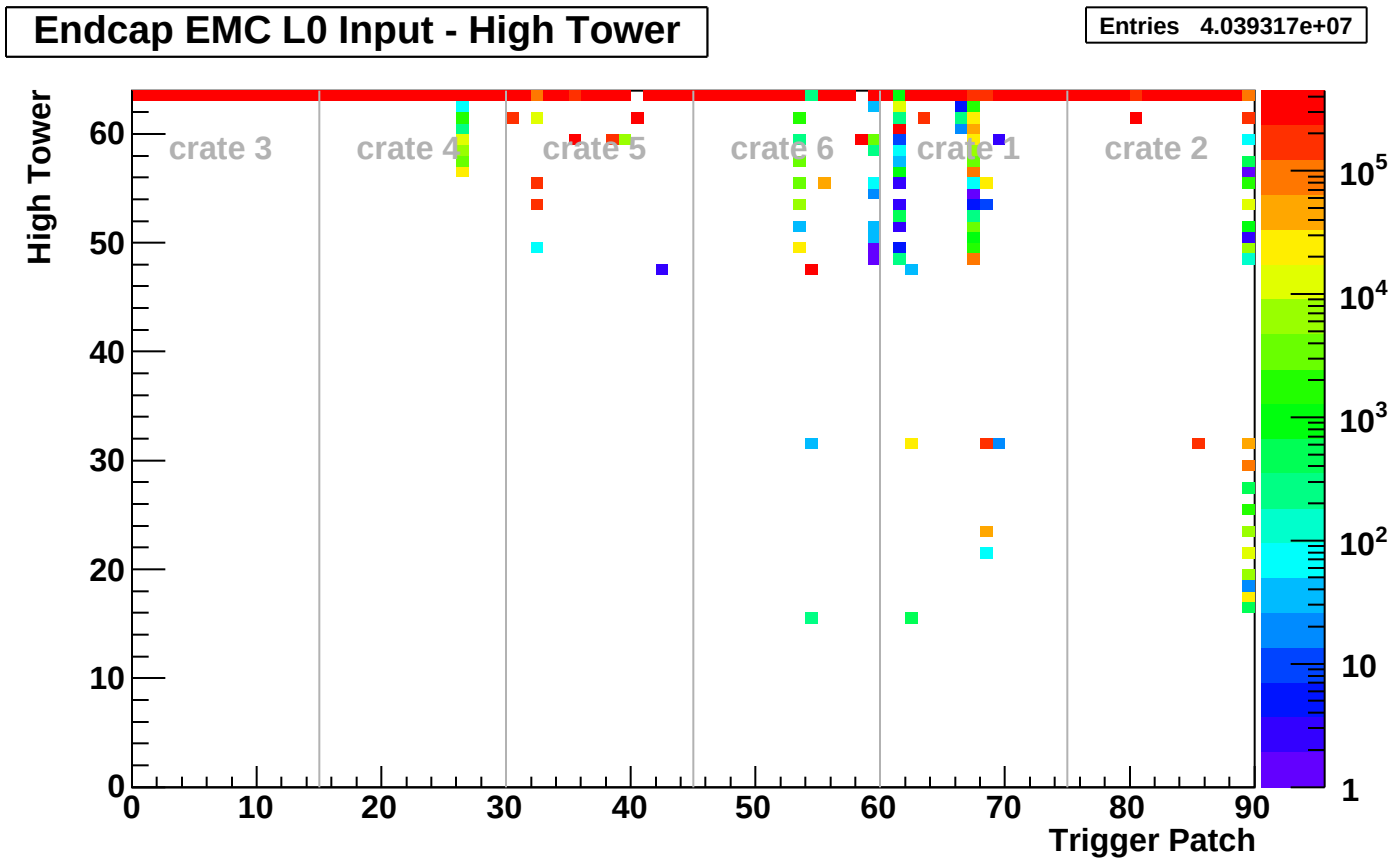

BunchId7Bit (all events)
Entries 448813
10^3
10^2
10
0
20
40
60
80
100
120

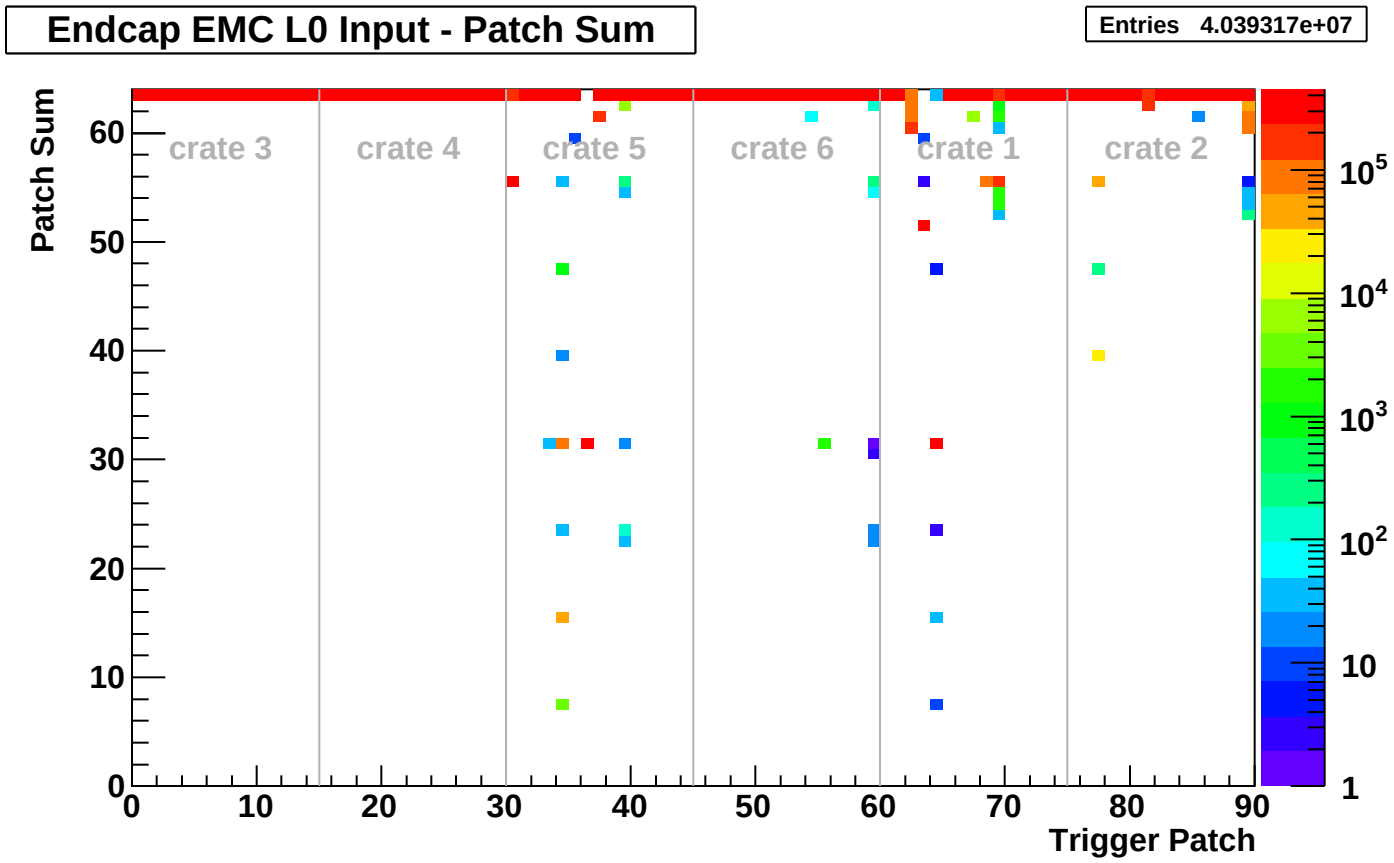

BunchId7Bit (JP1)
Entries 448813
10^3
10^2
10
0
20
40
60
80
100
120

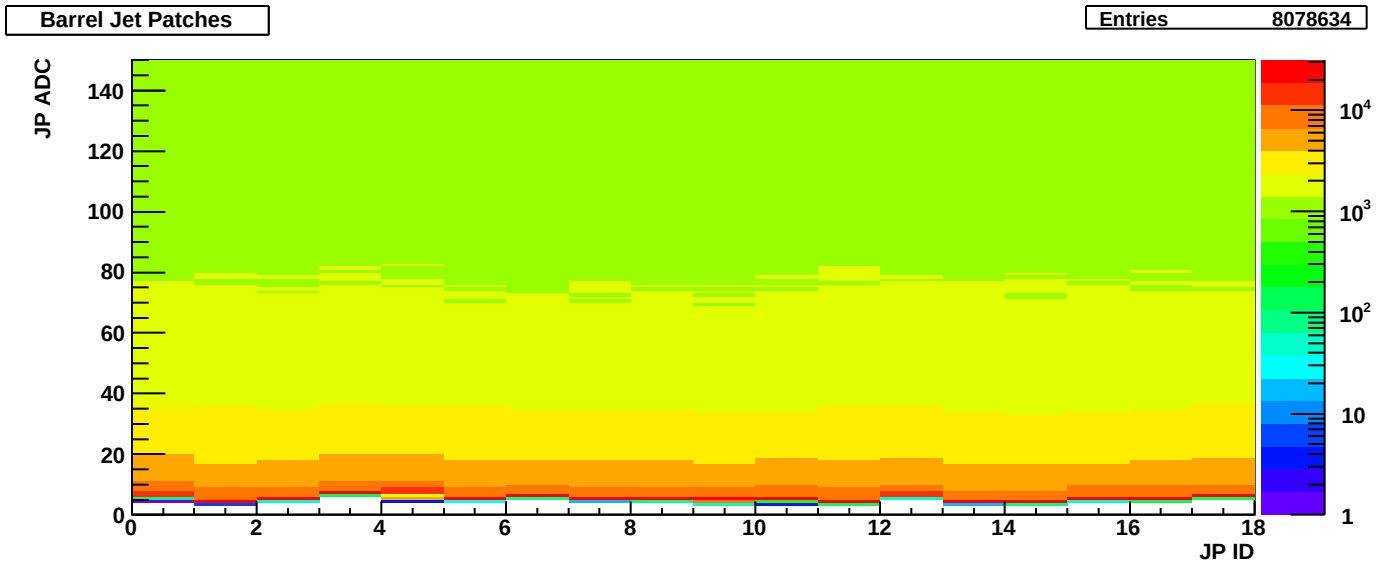

BunchId7Bit (JP2||AJP)
Entries 448813
10^3
10^2
10
0
20
40
60
80
100
120

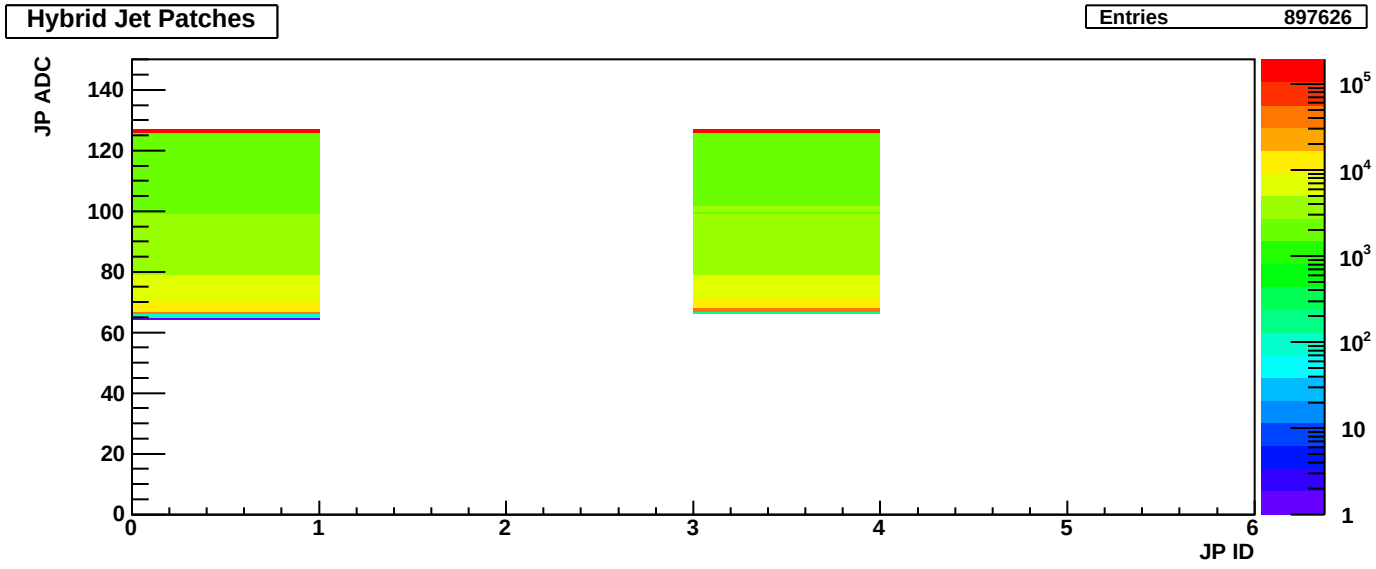

Barrel EMC L0 Input - High Tower
Entries 1.346439e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

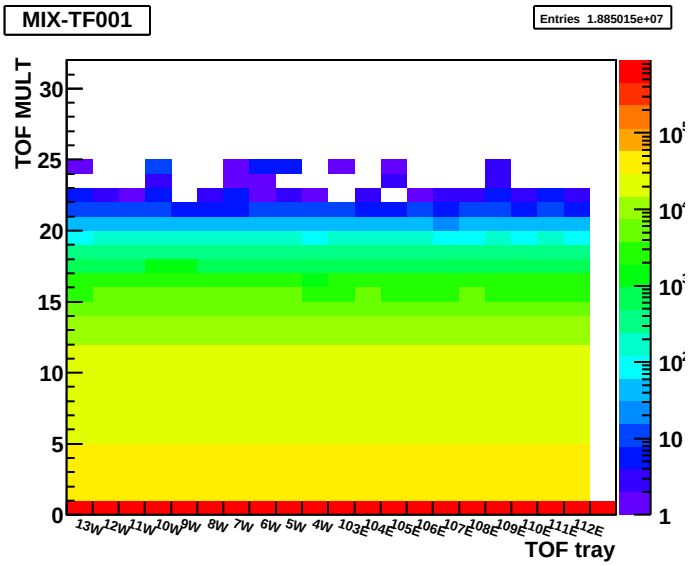

Barrel EMC L0 Input - Patch Sum
Entries 1.346439e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

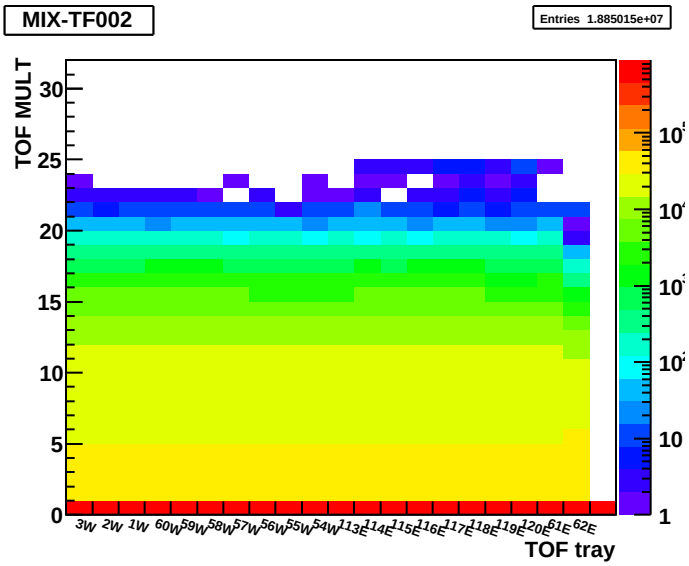

Endcap EMC L0 Input - High Tower
Entries 4.039317e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

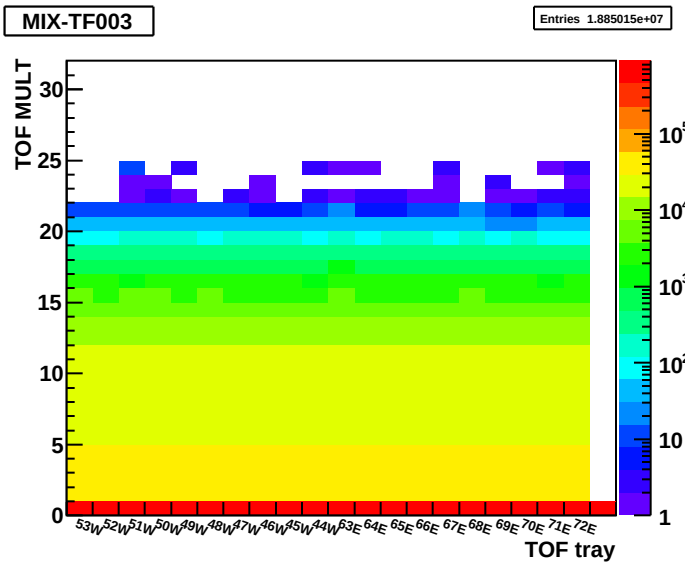

Endcap EMC L0 Input - Patch Sum
Entries 4.039317e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

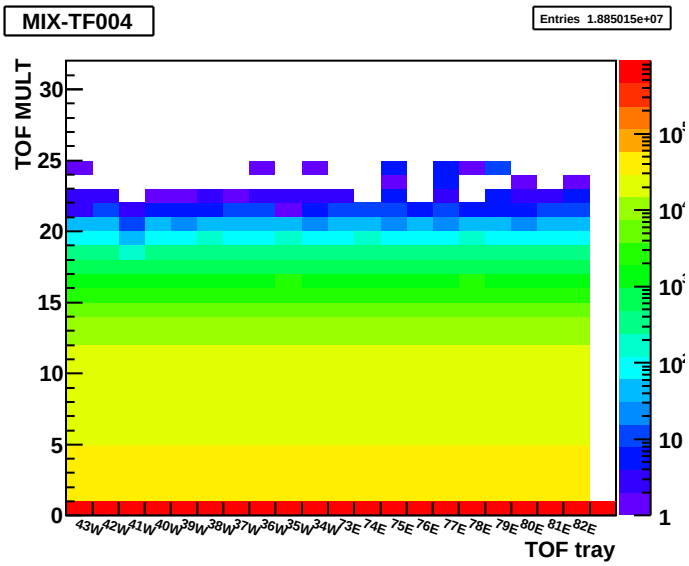

Barrel Jet Patches
Entries 8078634
JP ADC
JP ID

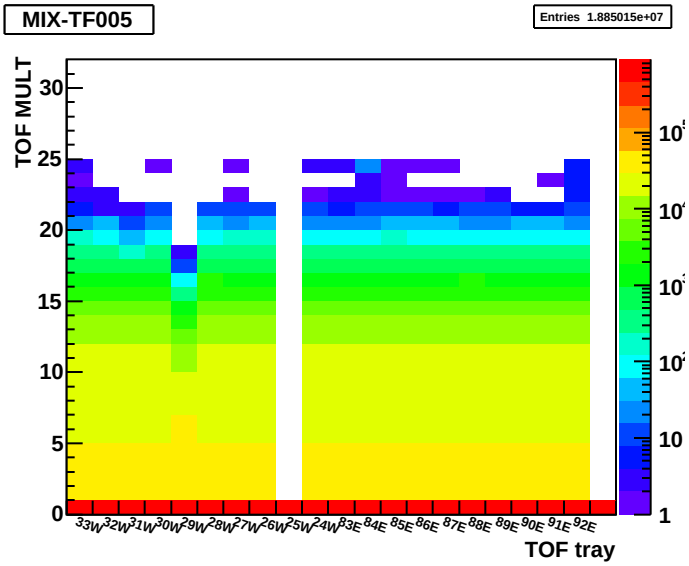

Hybrid Jet Patches
Entries 897626
JP ADC
JP ID

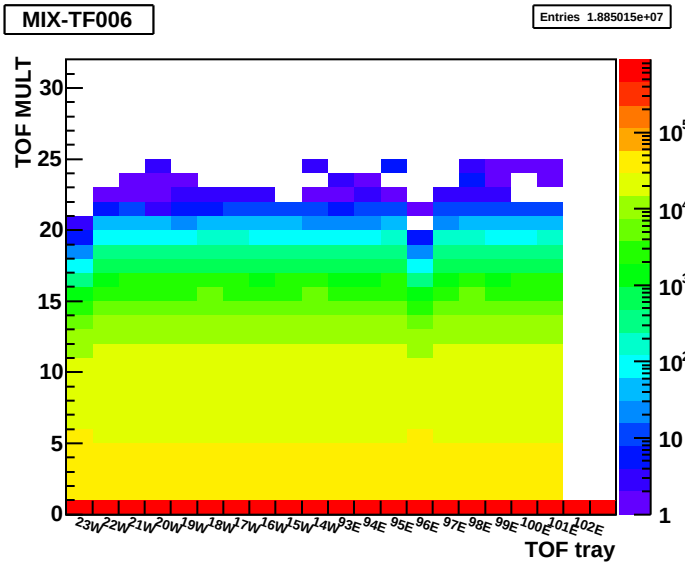

MIX-TF001
Entries 1.885015e+07
TOF MULT
TOF tray

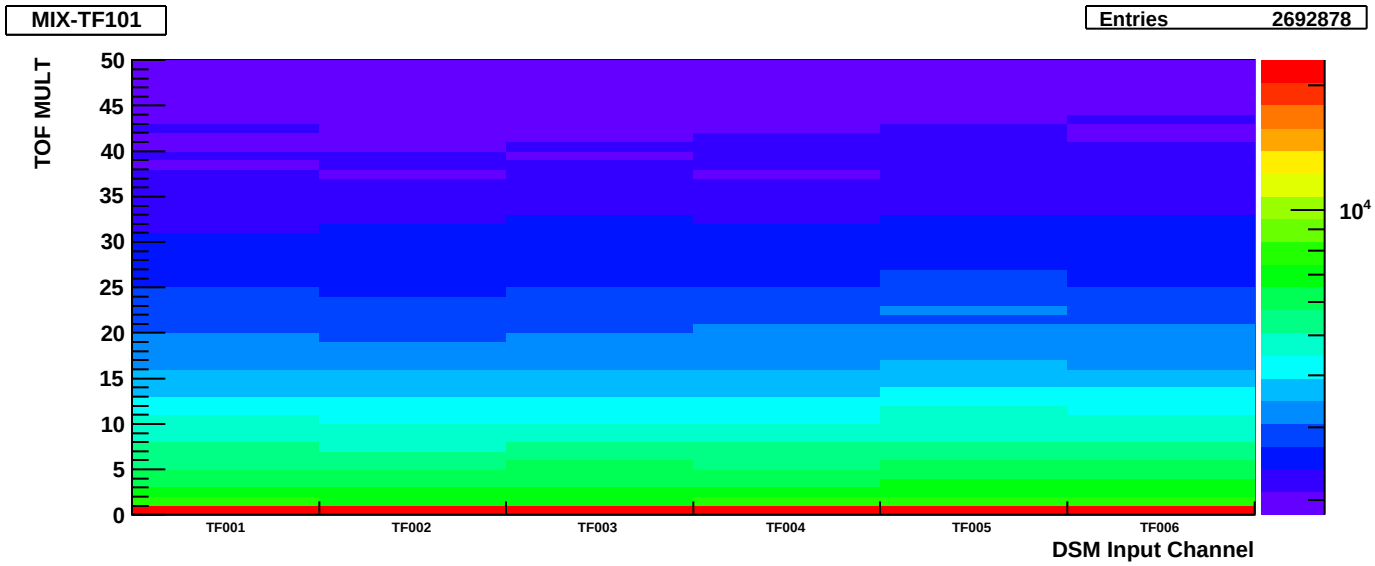

MIX-TF002
Entries 1.885015e+07
TOF MULT
TOF tray

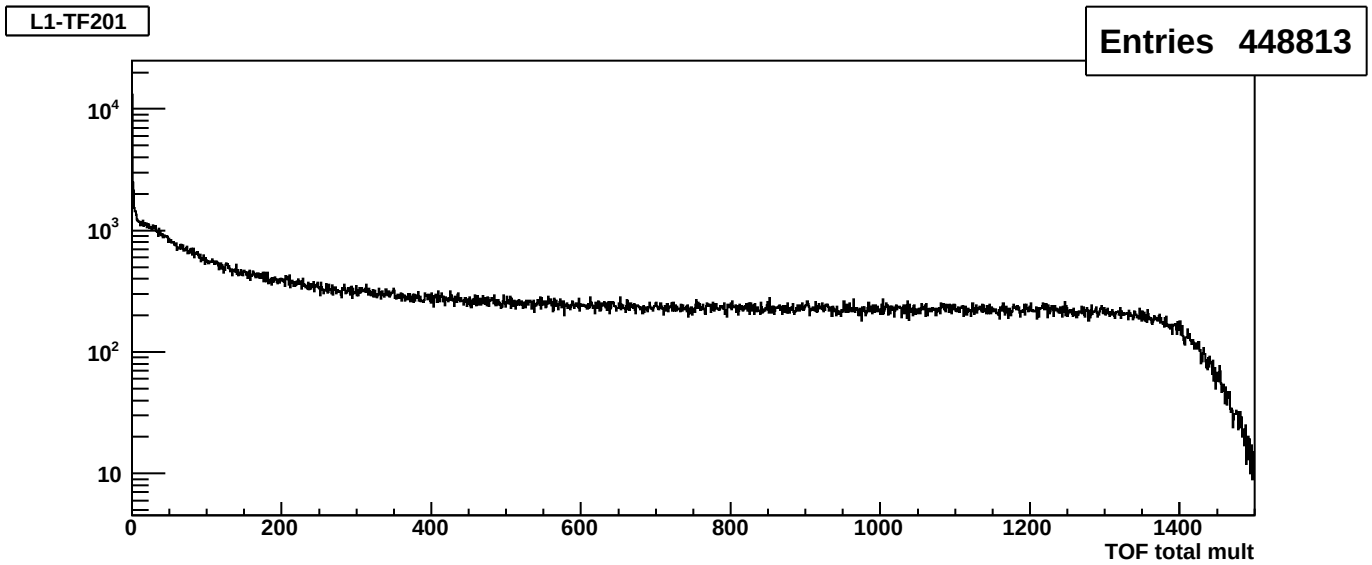

MIX-TF003
Entries 1.885015e+07
TOF MULT
TOF tray

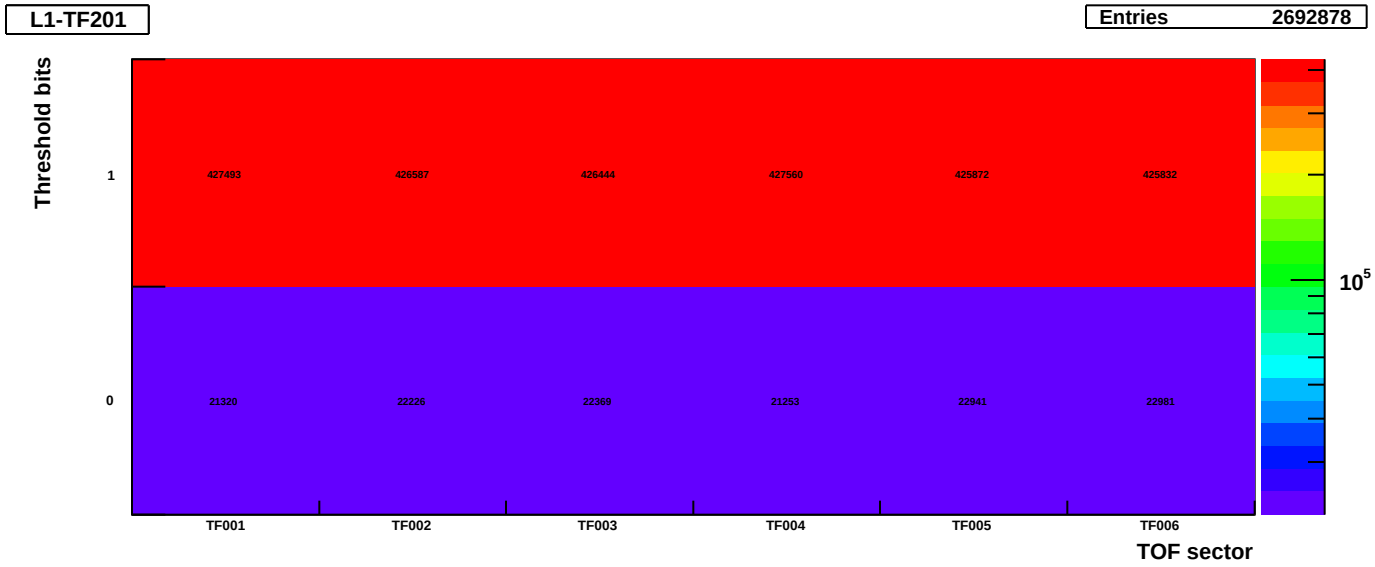

MIX-TF004
Entries 1.885015e+07
TOF MULT
TOF tray

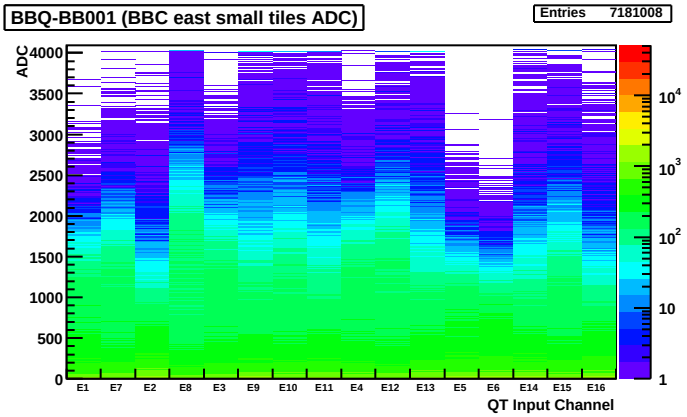

MIX-TF005
Entries 1.885015e+07
TOF MULT
TOF tray

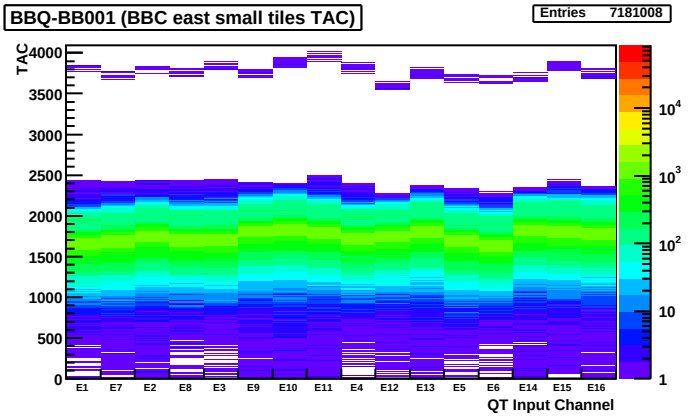

MIX-TF006
Entries 1.885015e+07
TOF MULT
TOF tray

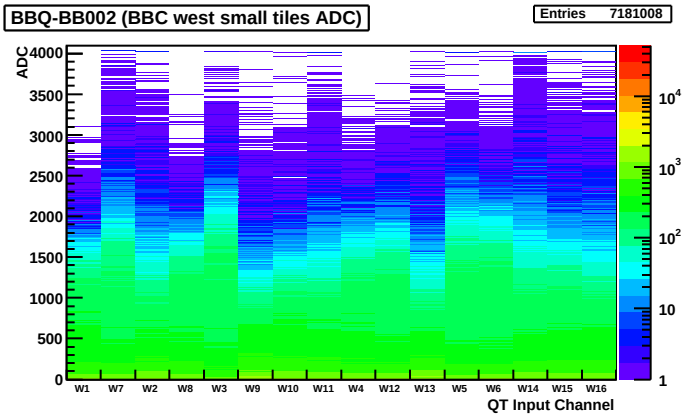

MIX-TF101
Entries 2692878
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

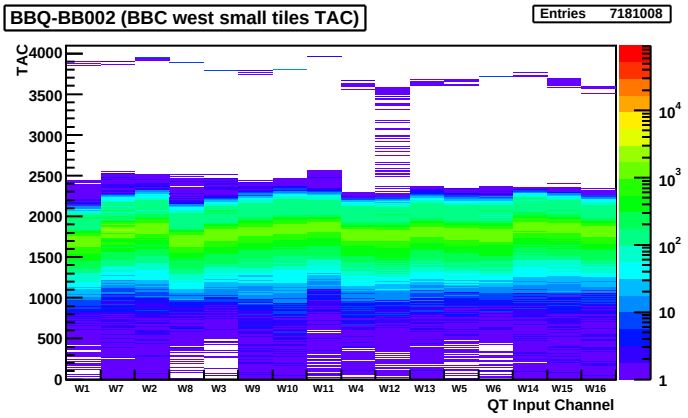

L1-TF201
Entries 448813
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

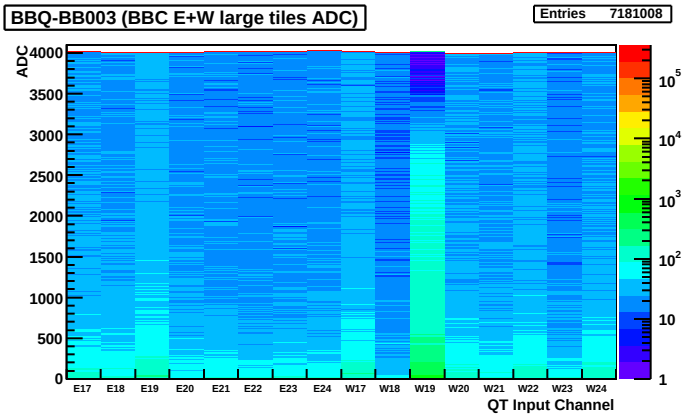

L1-TF201
Entries 2692878
Threshold bits
1
0
427493
426587
426444
427560
425872
425832
21320
22226
22369
21253
22941
22981
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

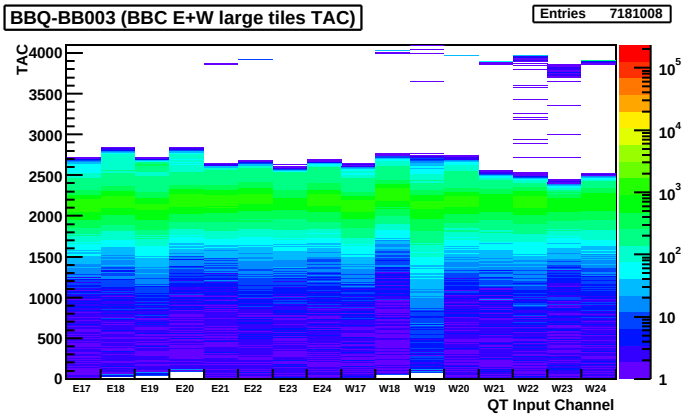

BBQ-BB001 (BBC east small tiles ADC)
Entries 7181008
ADC
QT Input Channel

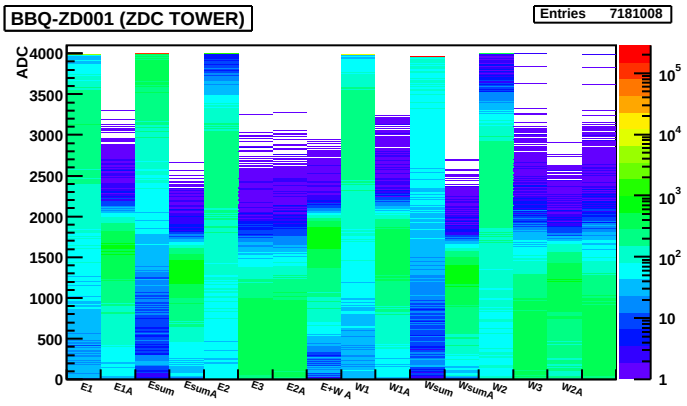

BBQ-BB001 (BBC east small tiles TAC)
Entries 7181008
TAC
QT Input Channel

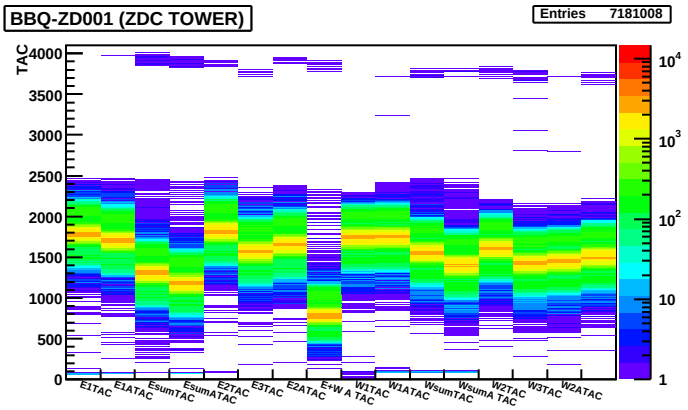

BBQ-BB002 (BBC west small tiles ADC)
Entries 7181008
ADC
QT Input Channel

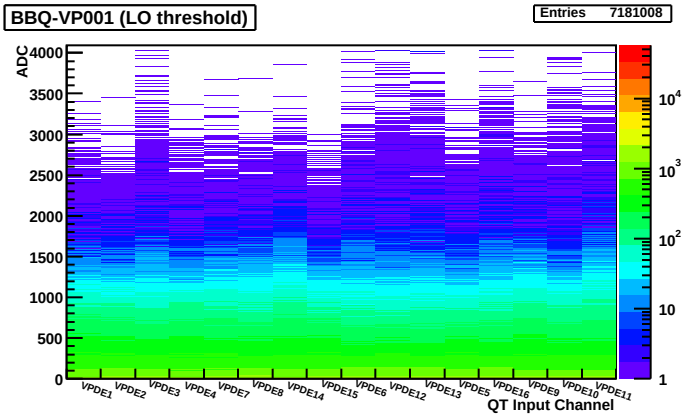

BBQ-BB002 (BBC west small tiles TAC)
Entries 7181008
TAC
QT Input Channel

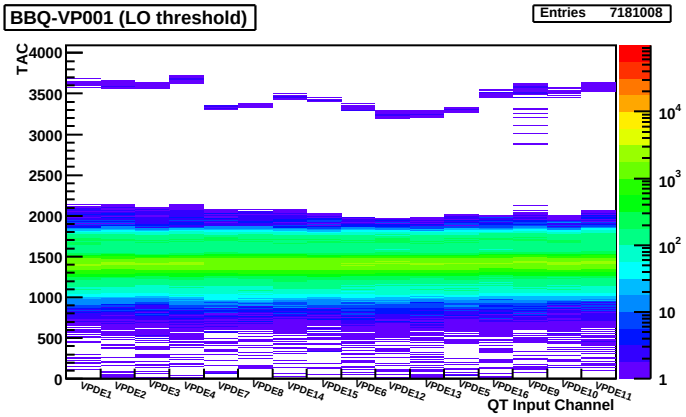

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7181008
ADC
QT Input Channel

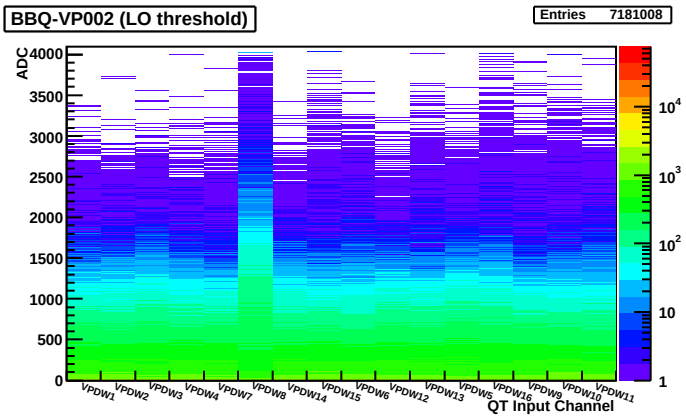

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7181008
TAC
QT Input Channel

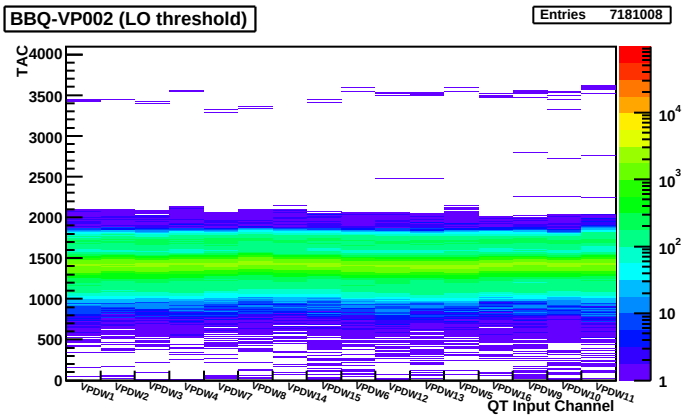

BBQ-ZD001 (ZDC TOWER)
Entries 7181008
ADC

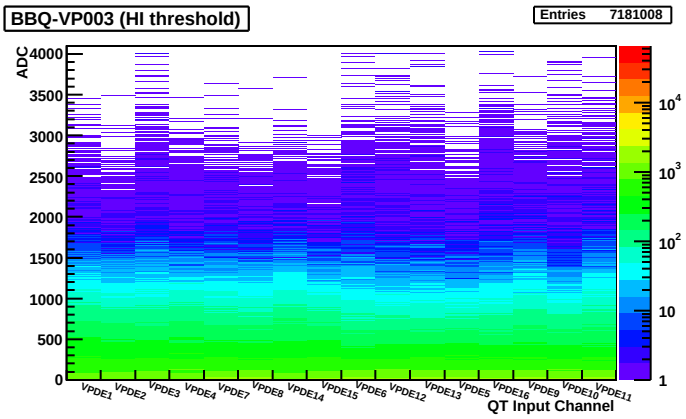

BBQ-ZD001 (ZDC TOWER)
Entries 7181008
TAC

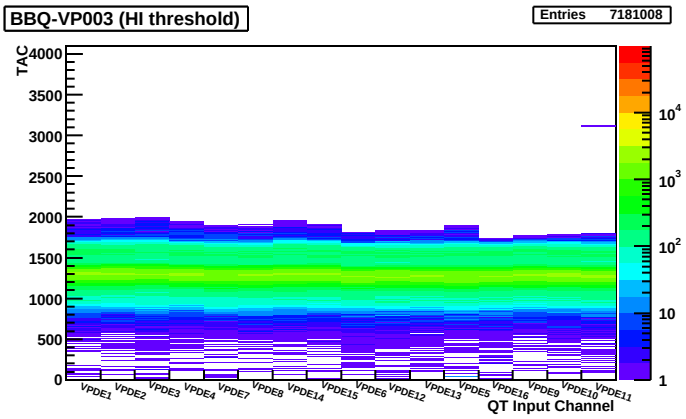

BBQ-VP001 (LO threshold)
Entries 7181008
ADC
QT Input Channel

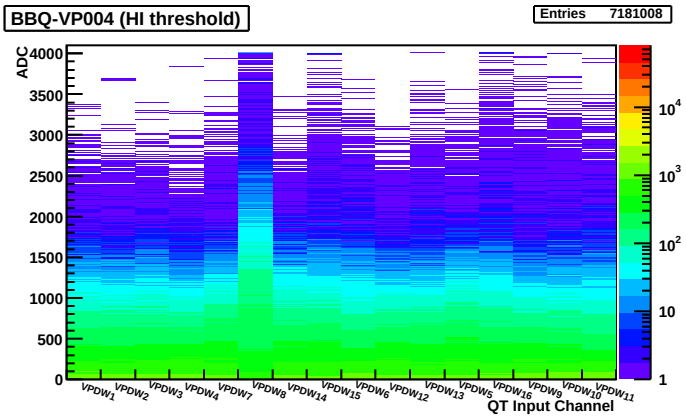

BBQ-VP001 (LO threshold)
Entries 7181008
TAC
QT Input Channel

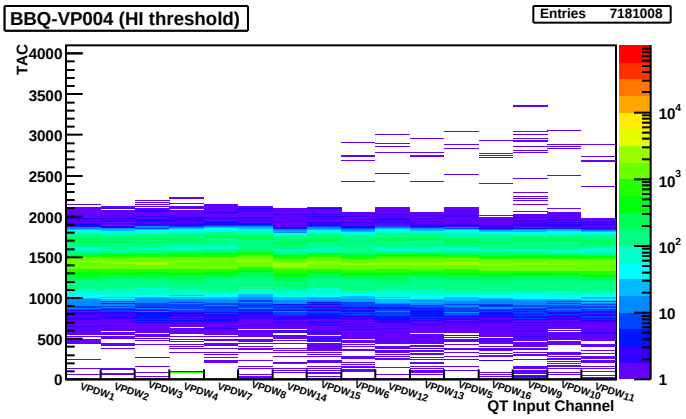

BBQ-VP002 (LO threshold)
Entries 7181008
ADC
QT Input Channel

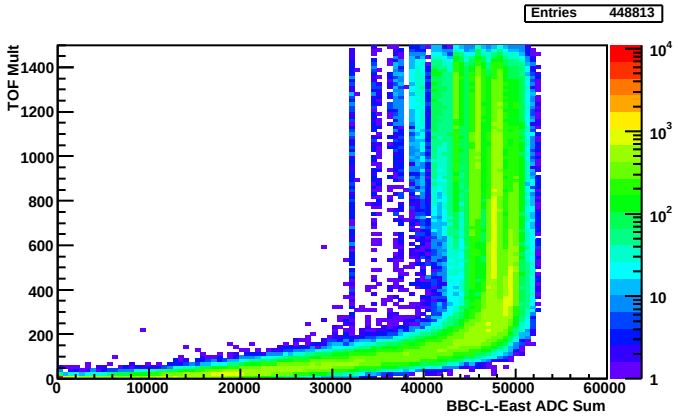

BBQ-VP002 (LO threshold)
Entries 7181008
TAC
QT Input Channel

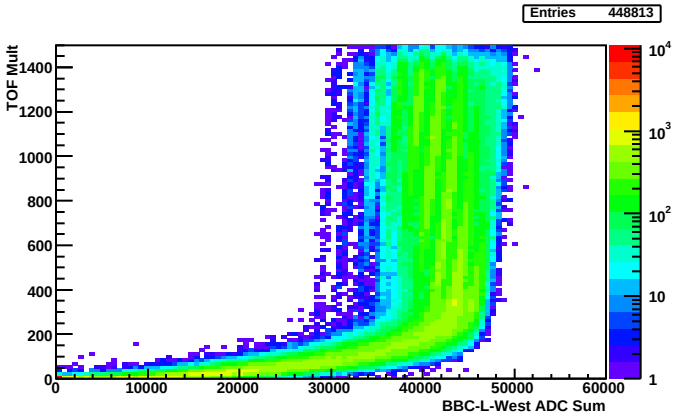

BBQ-VP003 (HI threshold)
Entries 7181008
ADC
QT Input Channel

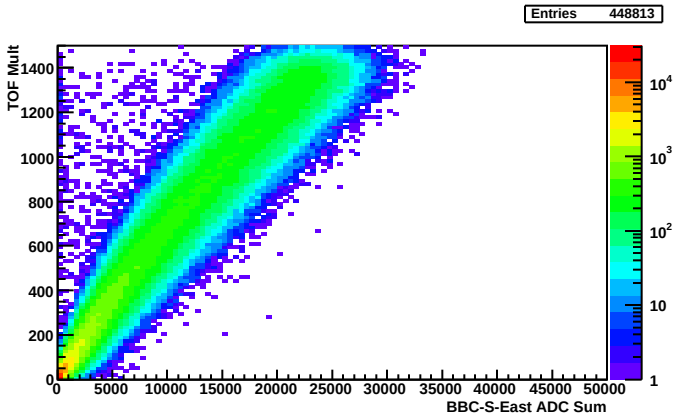

BBQ-VP003 (HI threshold)
Entries 7181008
TAC
QT Input Channel

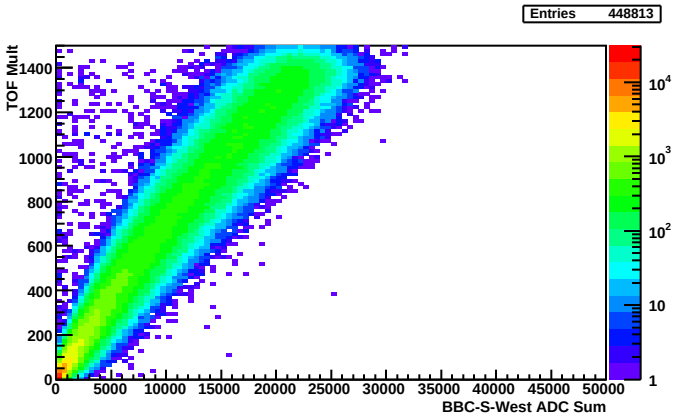

BBQ-VP004 (HI threshold)
Entries 7181008
ADC
QT Input Channel

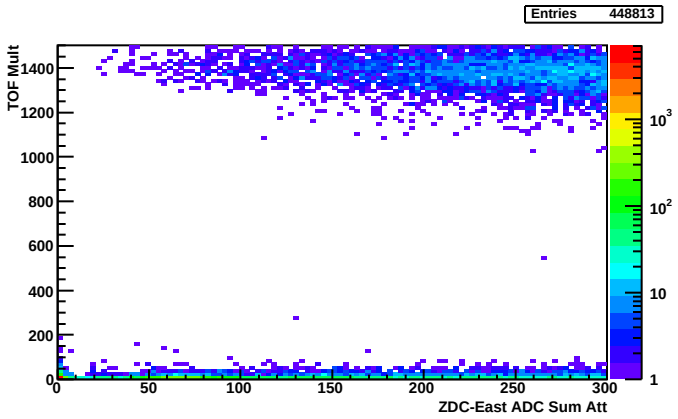

BBQ-VP004 (HI threshold)
Entries 7181008
TAC
QT Input Channel

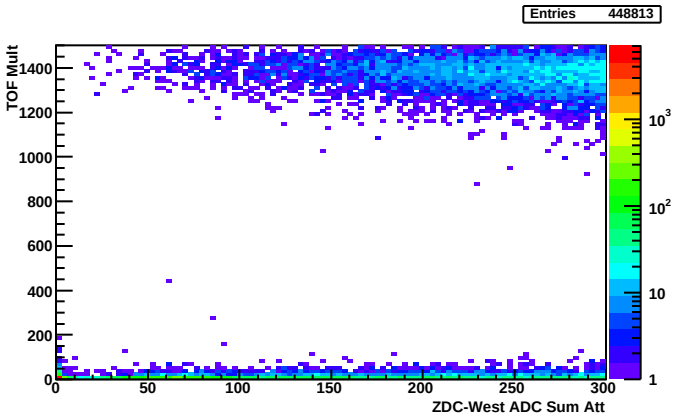

Entries 448813
TOF Mult
BBC-L-East ADC Sum

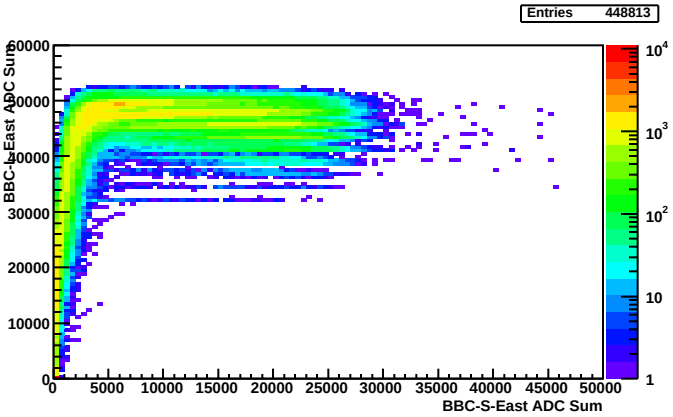

Entries 448813
TOF Mult
BBC-L-West ADC Sum

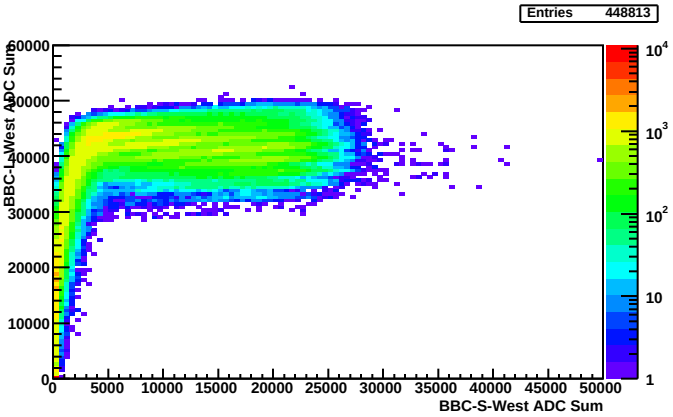

Entries 448813
TOF Mult
BBC-S-East ADC Sum

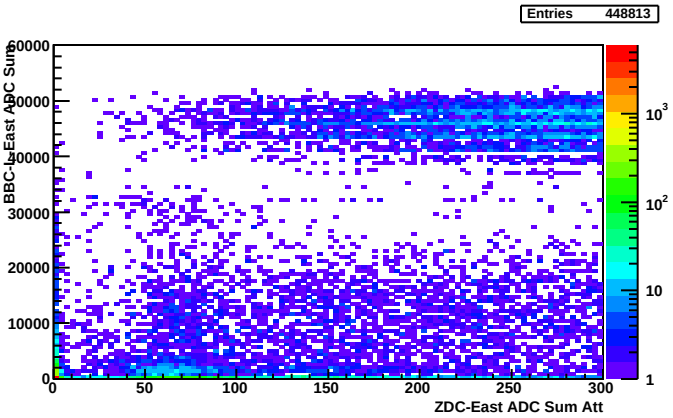

Entries 448813
TOF Mult
BBC-S-West ADC Sum

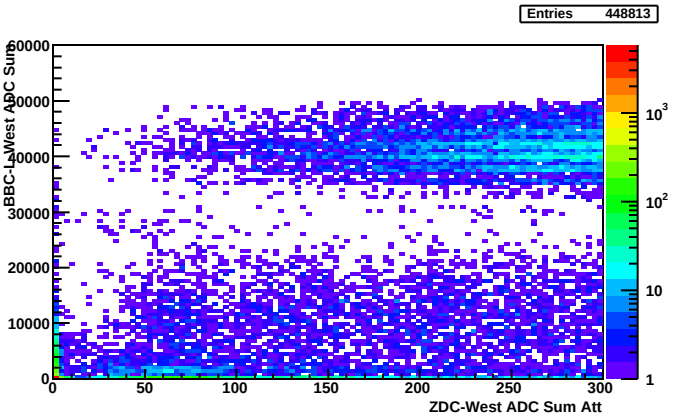

Entries 448813
TOF Mult
ZDC-East ADC Sum Att

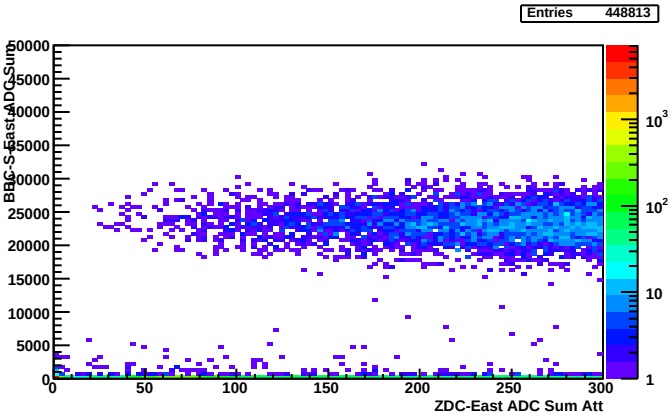

Entries 448813
TOF Mult
ZDC-West ADC Sum Att


Entries 448813
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 448813
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 448813
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 448813
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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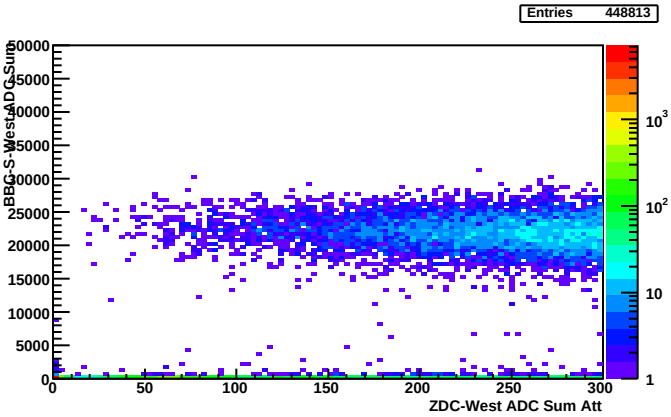
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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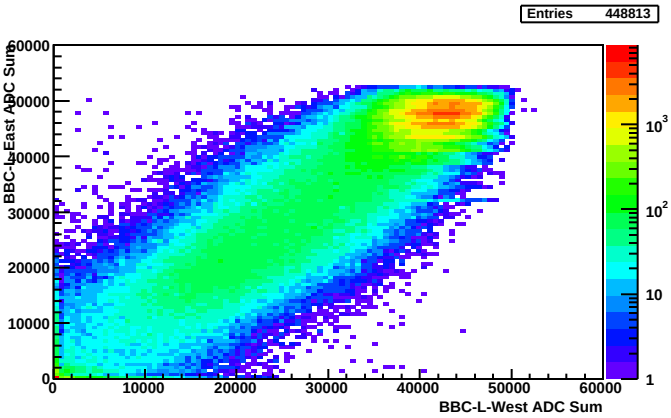
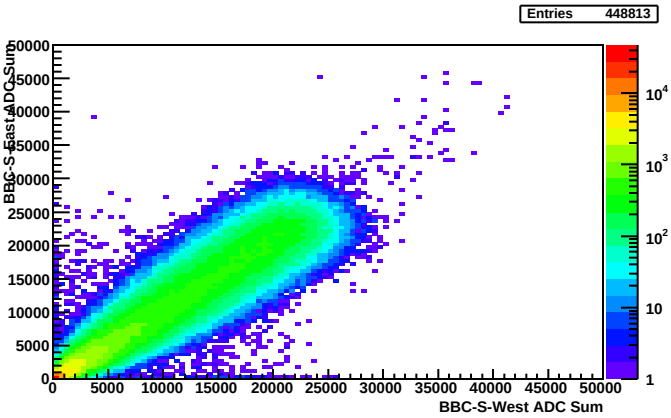
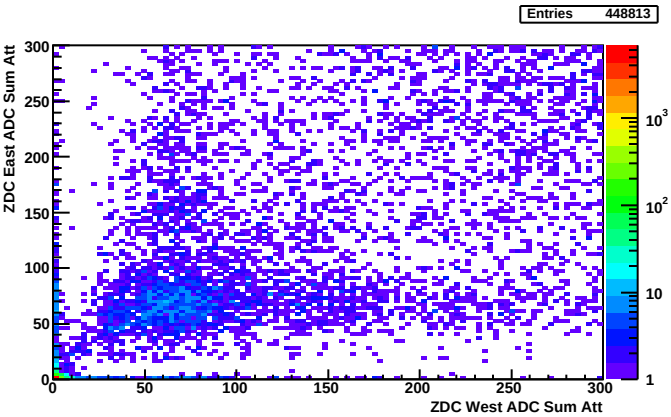
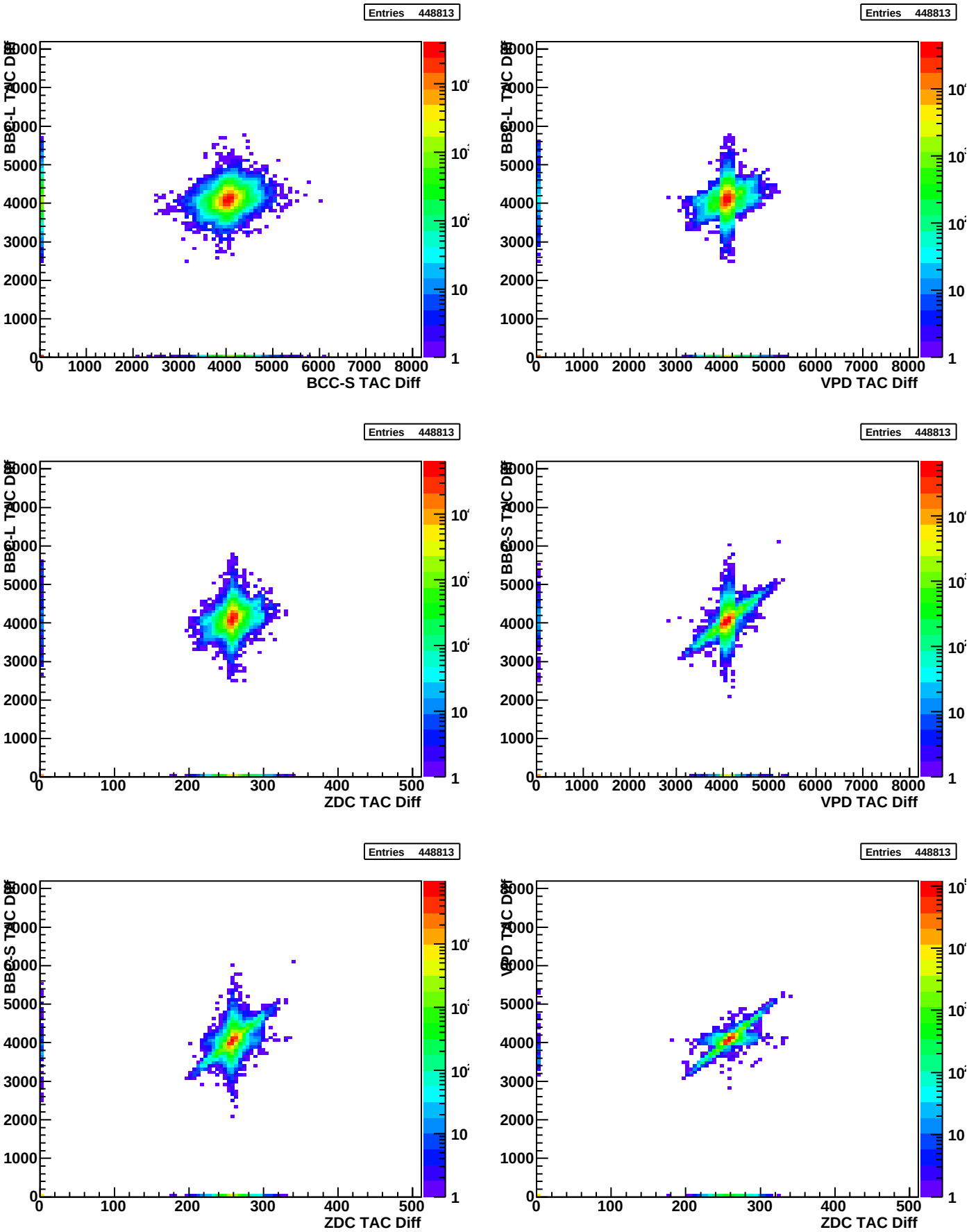
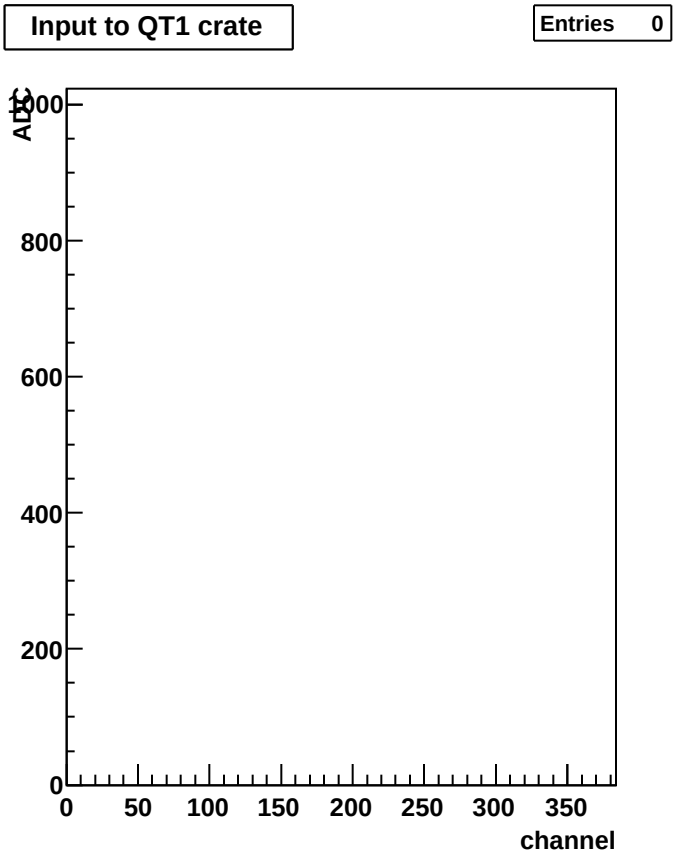
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

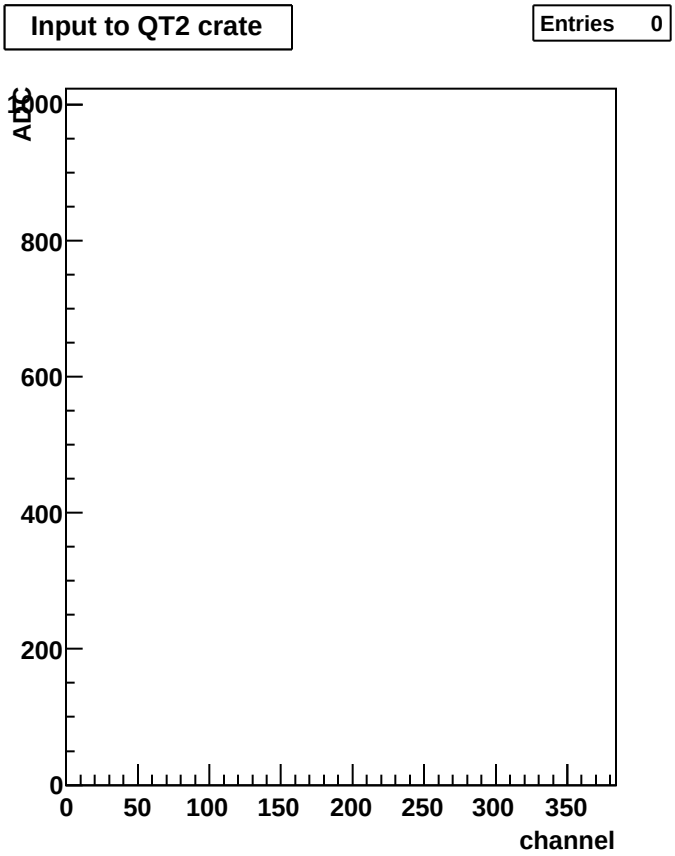

Entries 448813
BBC-L-East ADC Sum
BBC-L-West ADC Sum

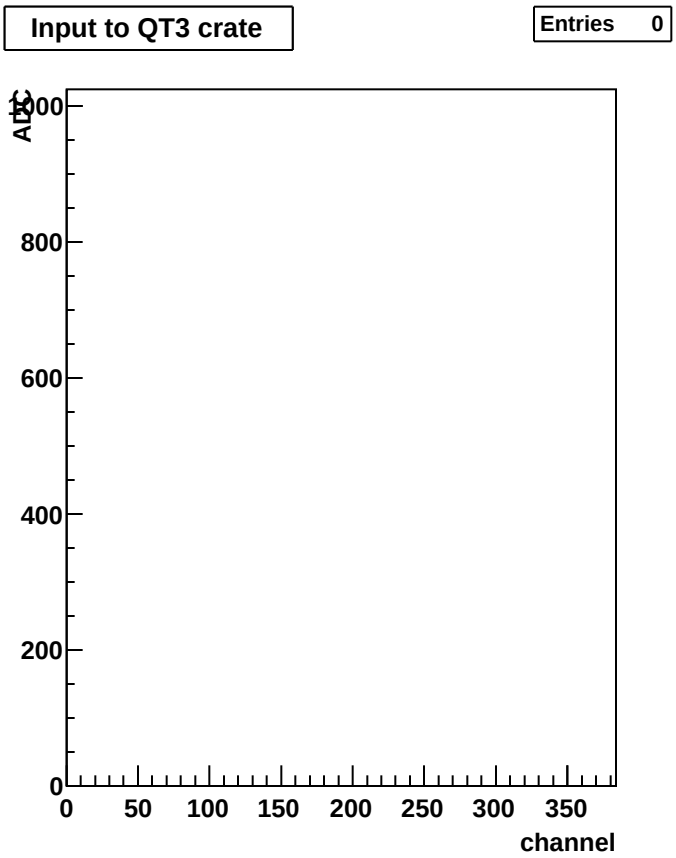

Entries 448813
BBC-S-East ADC Sum
BBC-S-West ADC Sum

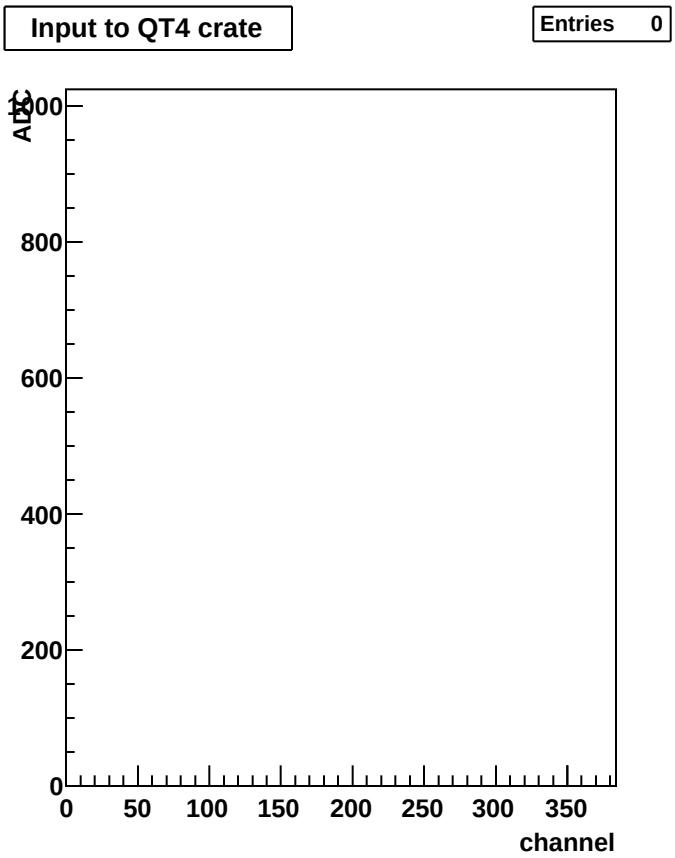

Entries 448813
ZDC East ADC Sum Att
ZDC West ADC Sum Att

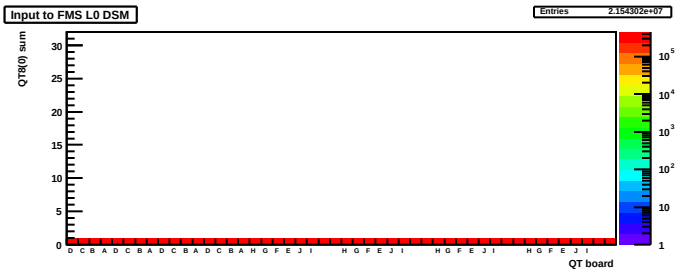

Entries 448813
BBC-L TAC Diff
BCC-S TAC Diff
Entries 448813
BBC-L TAC Diff
VPD TAC Diff
Entries 448813
BBC-L TAC Diff
ZDC TAC Diff
Entries 448813
BBC-S TAC Diff
VPD TAC Diff
Entries 448813
BBC-S TAC Diff
ZDC TAC Diff
Entries 448813
VPD TAC Diff
ZDC TAC Diff

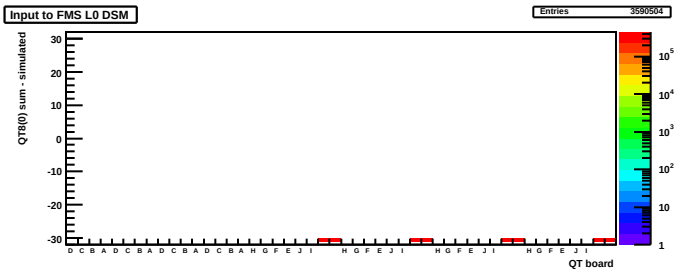

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

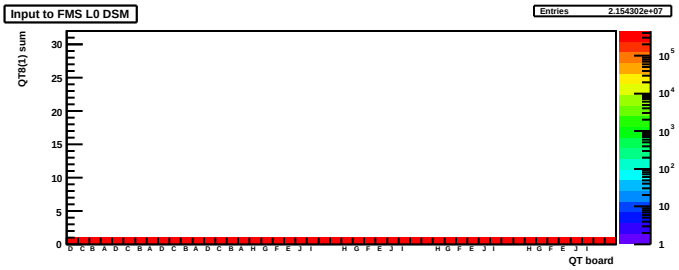

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

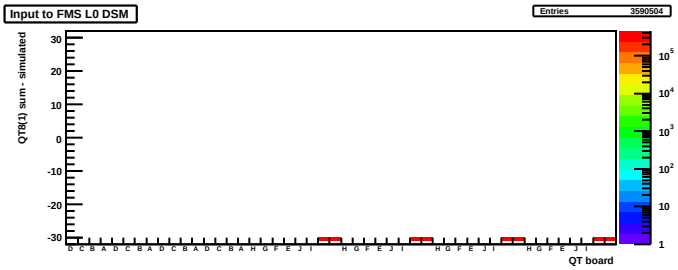

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

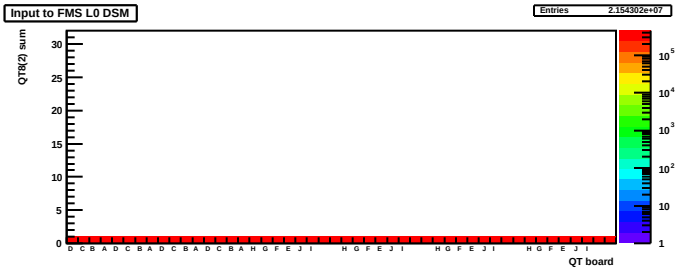

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

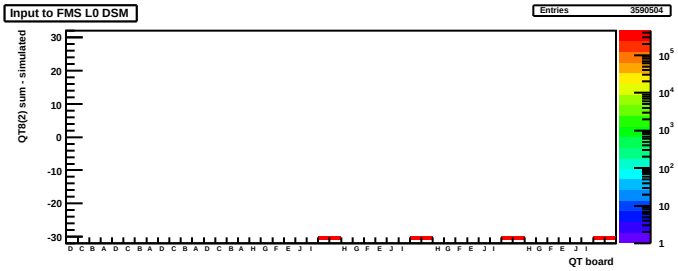

Input to FMS L0 DSM
Entries 2.154302e+07
QT8(0) sum
QT board

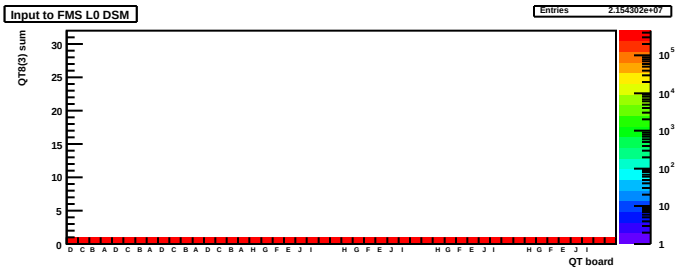

Input to FMS L0 DSM
Entries 3590504
QT8(0) sum - simulated
QT board

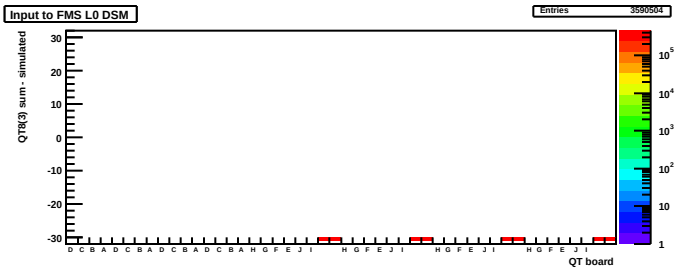

Input to FMS L0 DSM
Entries 2.154302e+07
QT8(1) sum
QT board

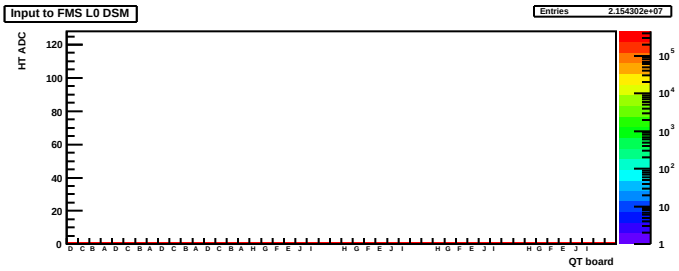

Input to FMS L0 DSM
Entries 3590504
QT8(1) sum - simulated
QT board

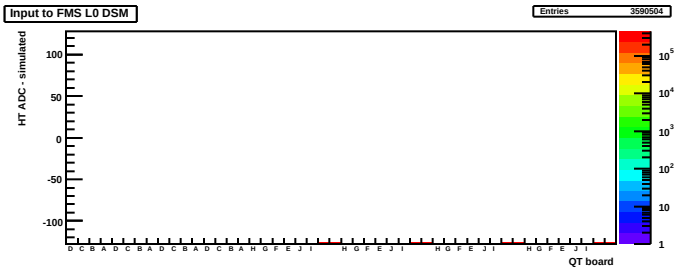

Input to FMS L0 DSM
Entries 2.154302e+07
QT8(2) sum
QT board

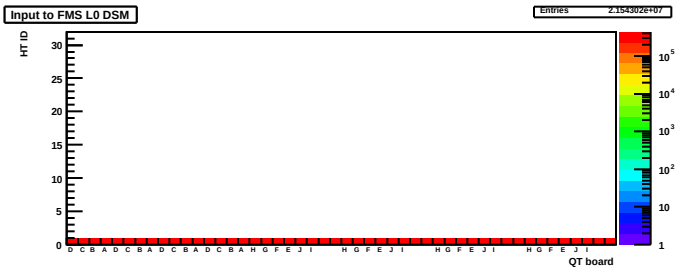

Input to FMS L0 DSM
Entries 3590504
QT8(2) sum - simulated
QT board

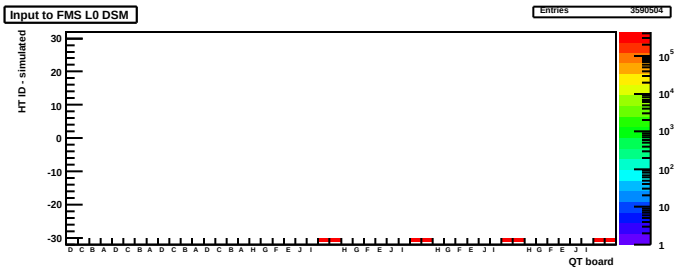

Input to FMS L0 DSM
Entries 2.154302e+07
QT8(3) sum
QT board

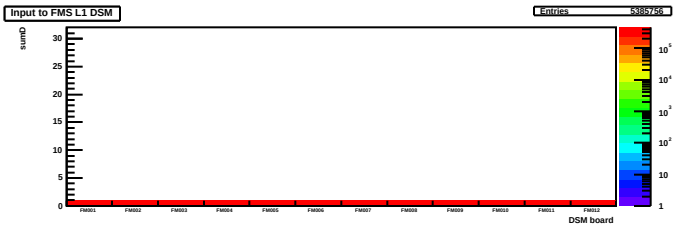

Input to FMS L0 DSM
Entries 3590504
QT8(3) sum - simulated
QT board

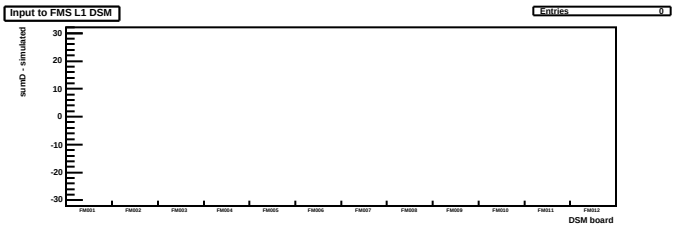

Input to FMS L0 DSM
Entries 2.154302e+07
HT ADC
QT board

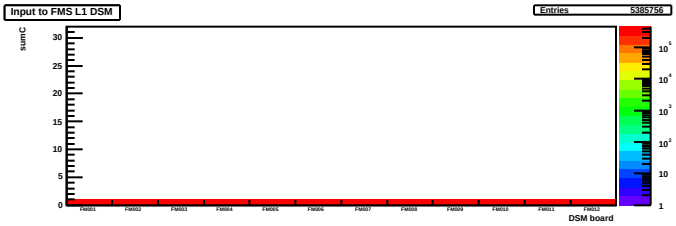

Input to FMS L0 DSM
Entries 3590504
HT ADC - simulated
QT board

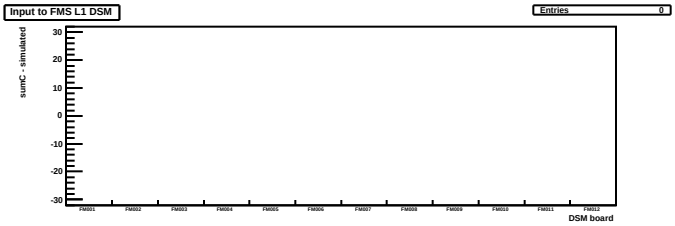

Input to FMS L0 DSM
Entries 2.154302e+07
HT ID
QT board

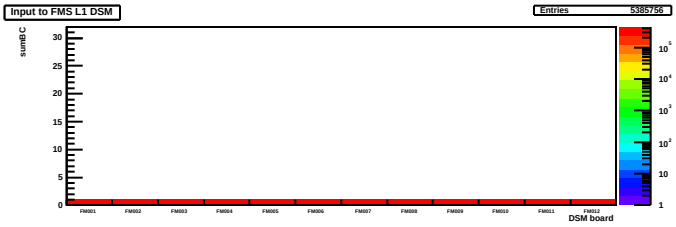

Input to FMS L0 DSM
Entries 3590504
HT ID - simulated
QT board

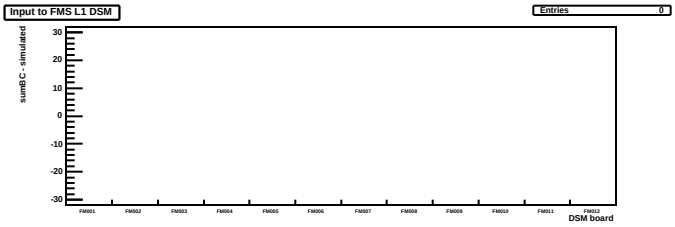

Input to FMS L1 DSM
Entries 5385756
sumD
DSM board

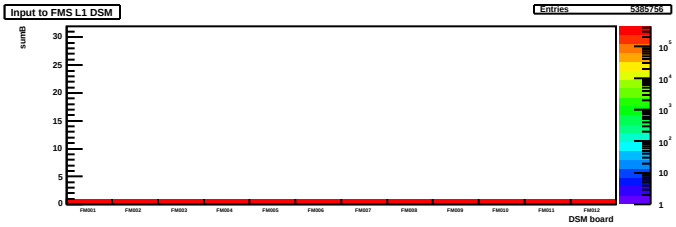

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

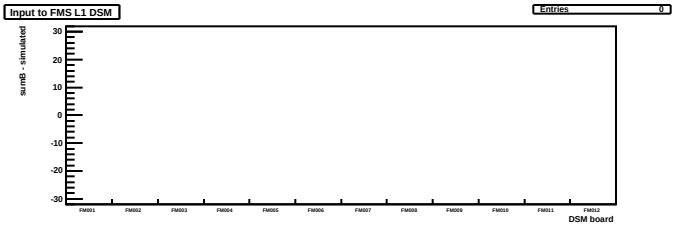

Input to FMS L1 DSM
Entries 5385756
sumC
DSM board

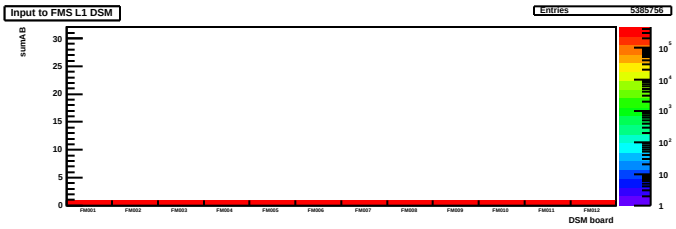

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

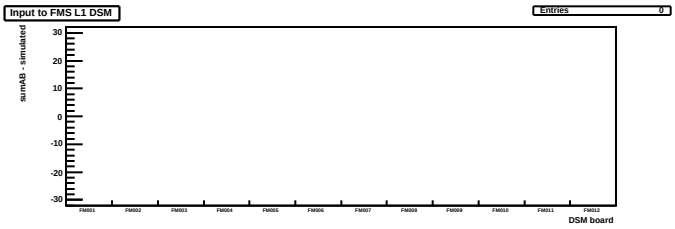

Input to FMS L1 DSM
Entries 5385756
sumBC
DSM board

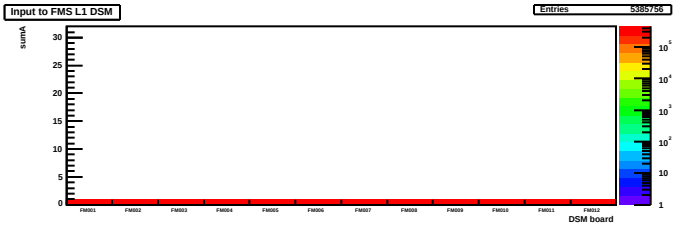

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

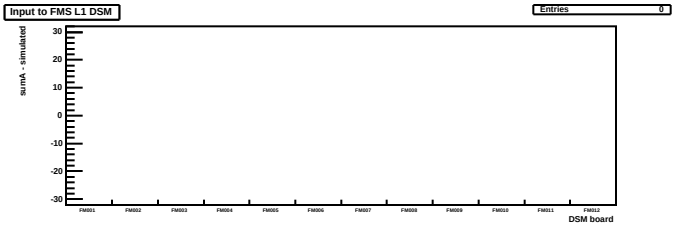

Input to FMS L1 DSM
Entries 5385756
sumB
DSM board

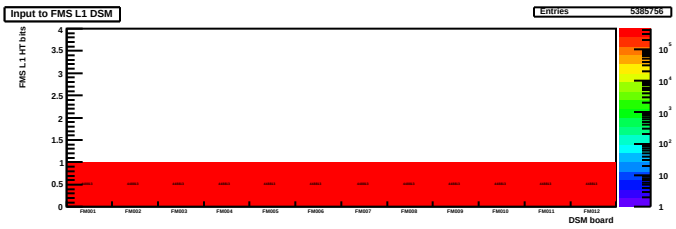

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

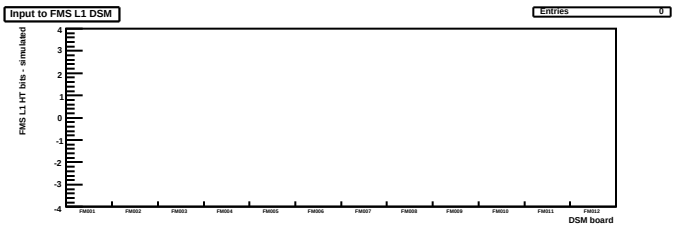

Input to FMS L1 DSM
Entries 5385756
sumAB
DSM board

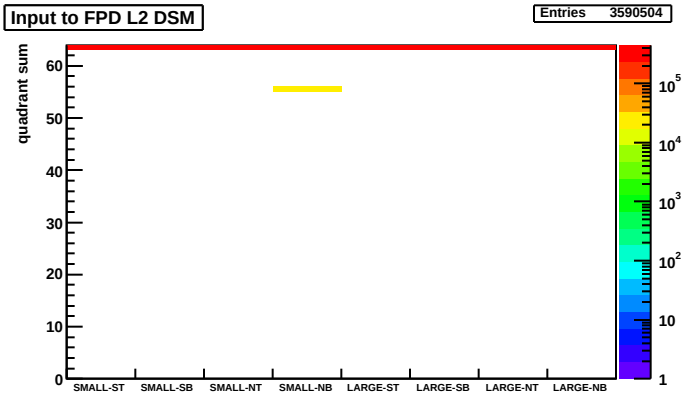

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

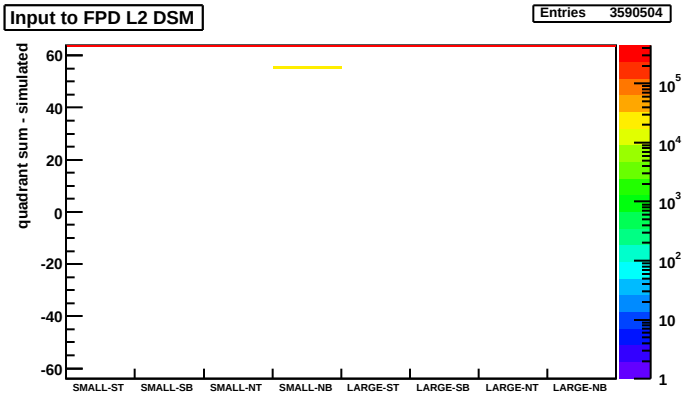

Input to FMS L1 DSM
Entries 5385756
sumA
DSM board

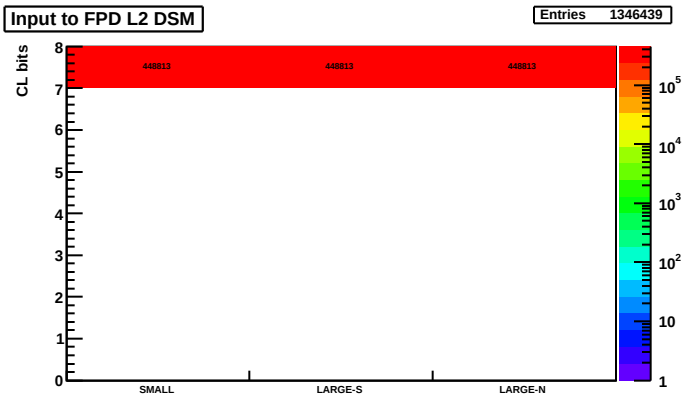

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

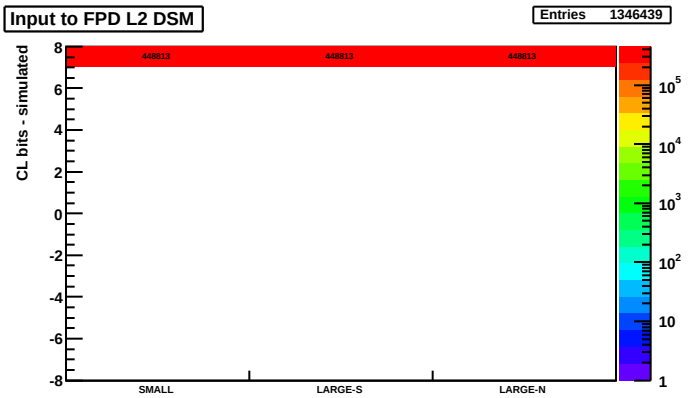

Input to FMS L1 DSM
Entries 5385756
FMS L1 HT bits
DSM board

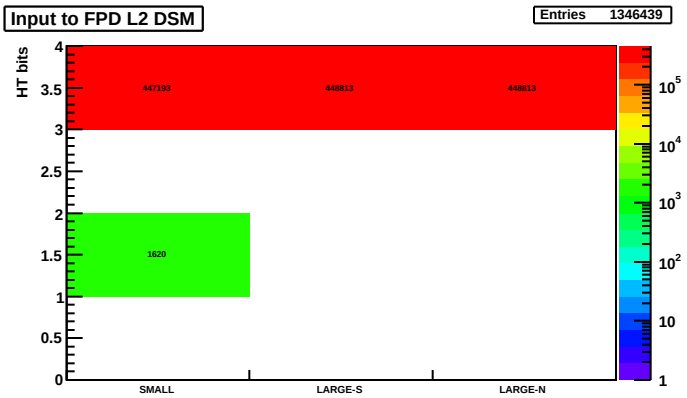

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

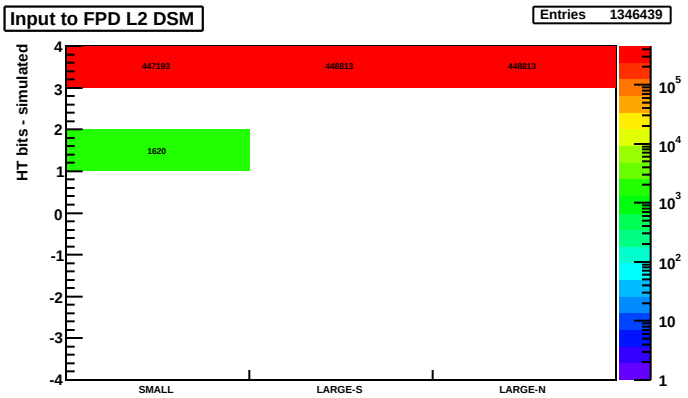

Input to FPD L2 DSM
Entries 3590504
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

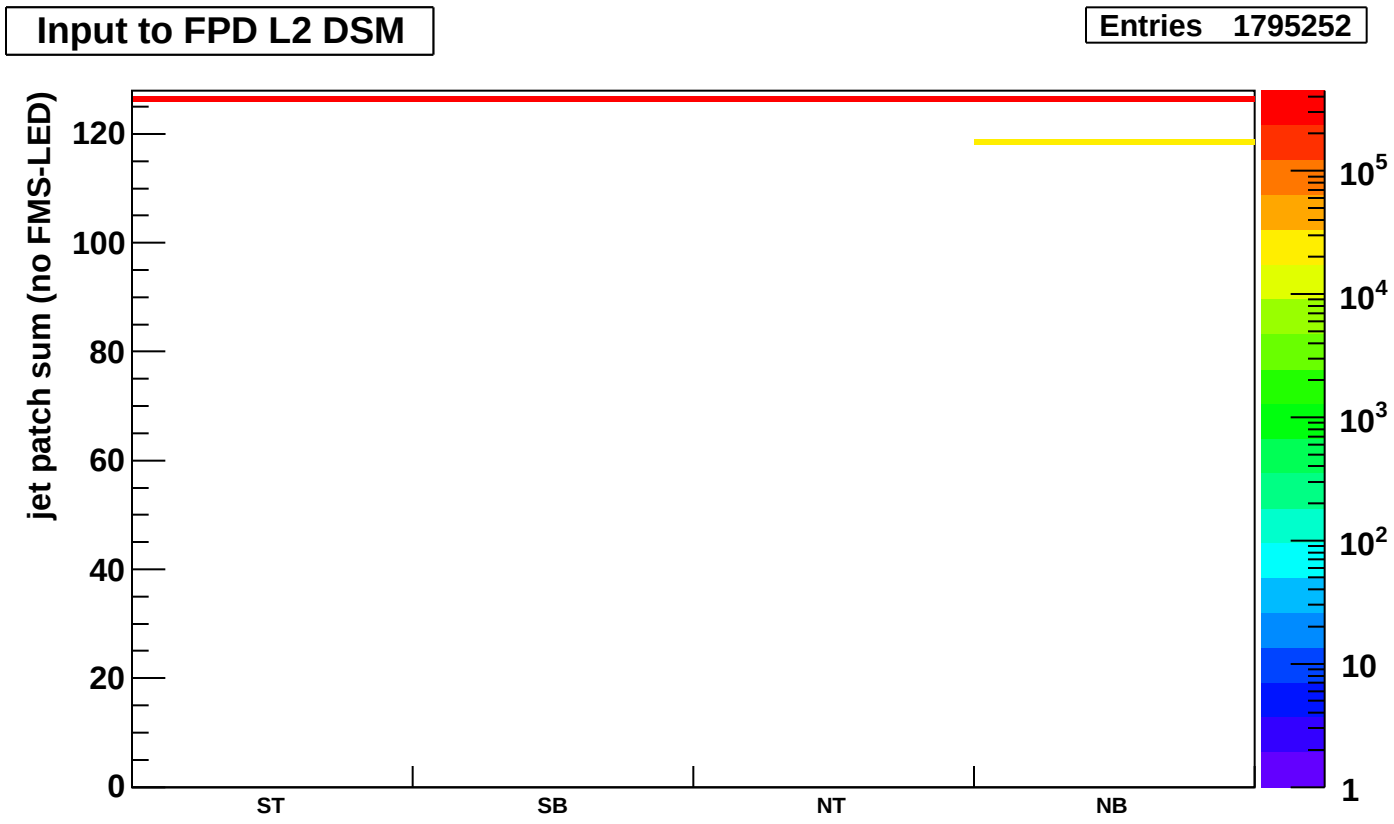

Input to FPD L2 DSM
Entries 3590504
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

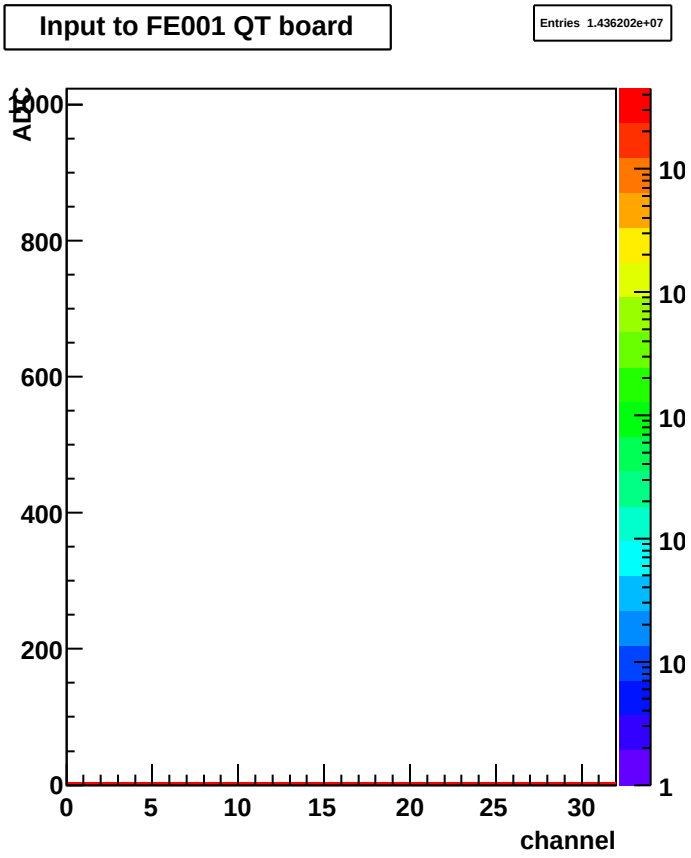

Input to FPD L2 DSM
Entries 1346439
CL bits
448813
448813
448813
SMALL
LARGE-S
LARGE-N

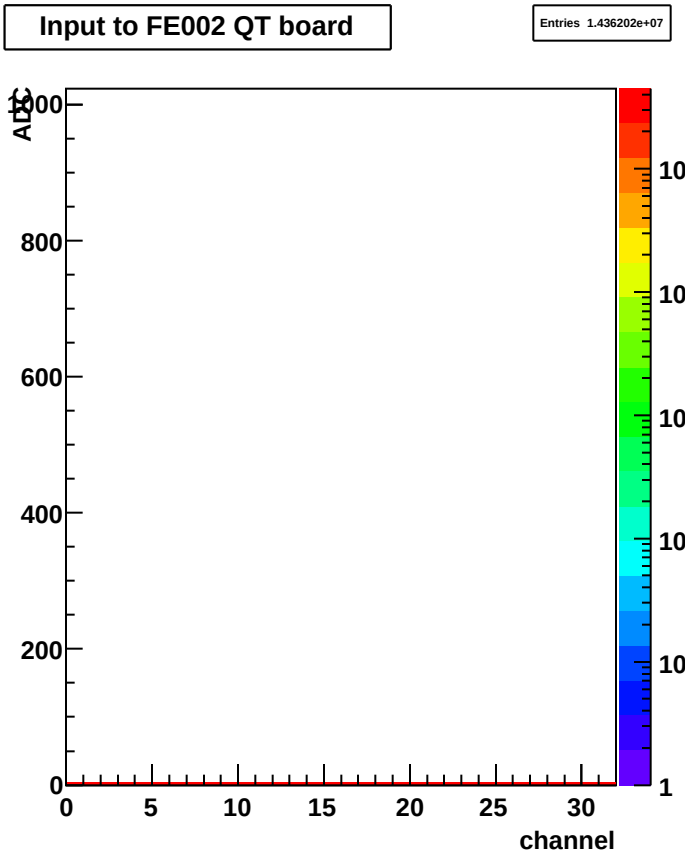

Input to FPD L2 DSM
Entries 1346439
CL bits - simulated
448813
448813
448813
SMALL
LARGE-S
LARGE-N

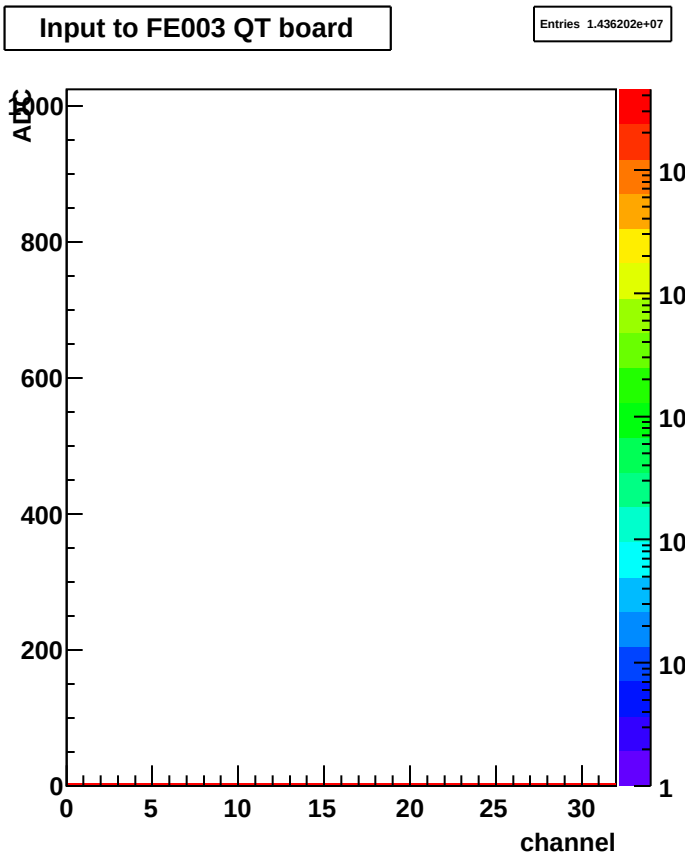

Input to FPD L2 DSM
Entries 1346439
HT bits
447193
448813
448813
1620
SMALL
LARGE-S
LARGE-N

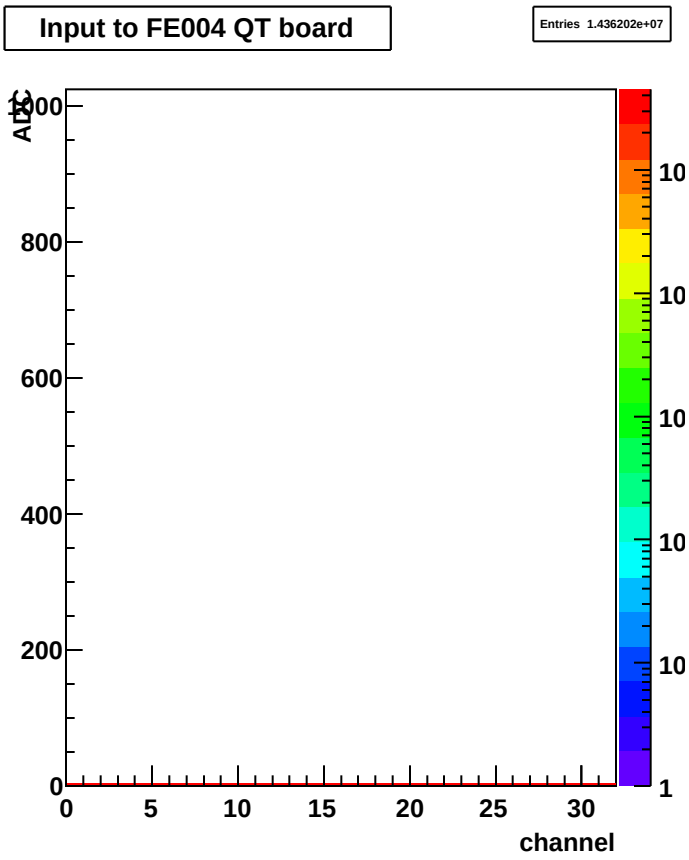

Input to FPD L2 DSM
Entries 1346439
HT bits - simulated
447193
448813
448813
1620
SMALL
LARGE-S
LARGE-N

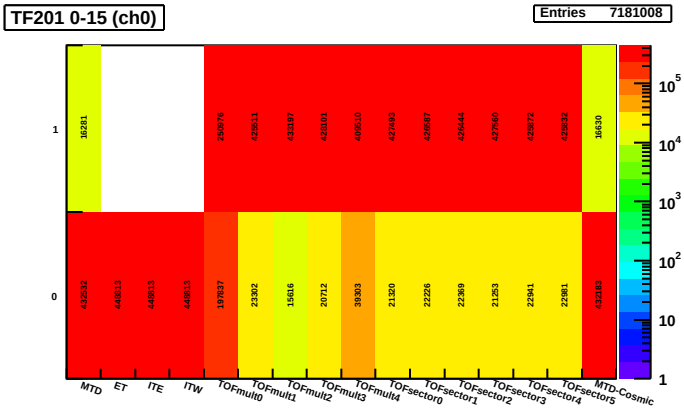

Input to FPD L2 DSM
Entries 1795252
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

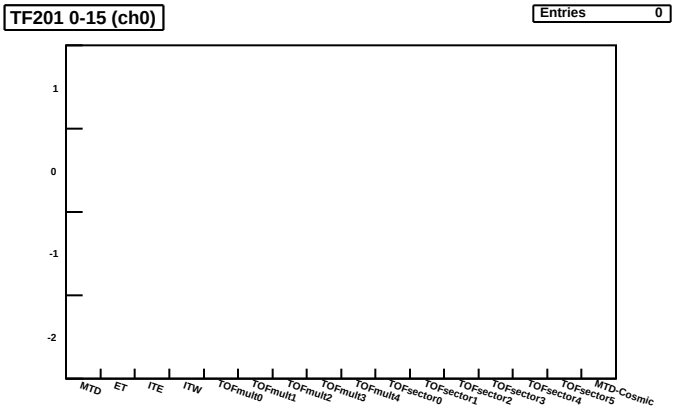

Input to FE001 QT board
Entries 1.436202e+07
ADC
channel

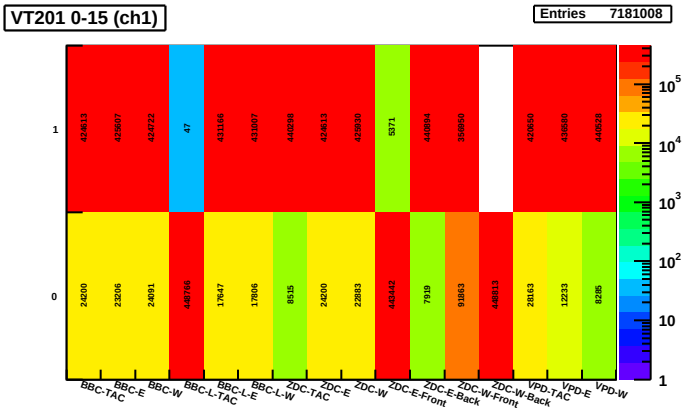

Input to FE002 QT board
Entries 1.436202e+07
ADC
channel

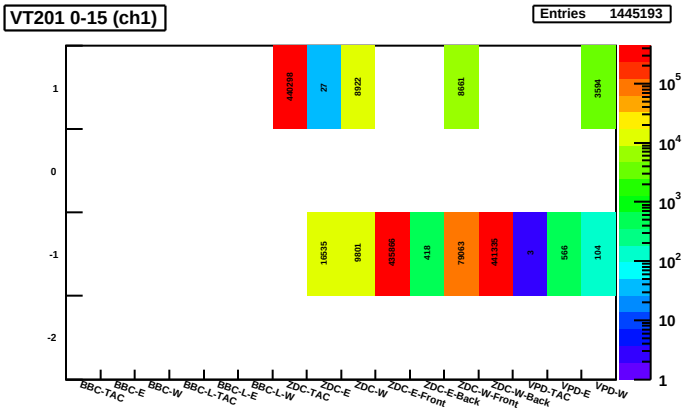

Input to FE003 QT board
Entries 1.436202e+07
ADC
channel

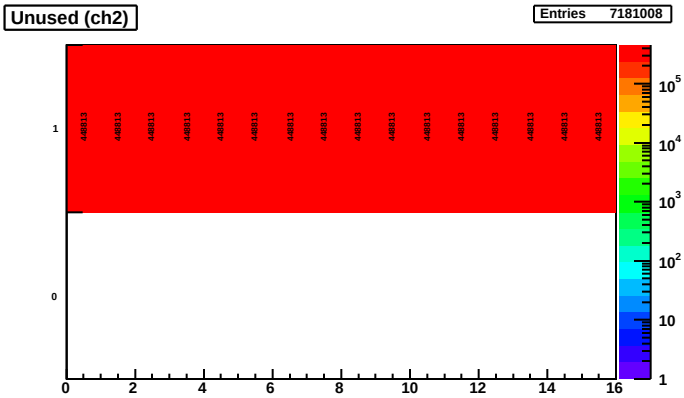

Input to FE004 QT board
Entries 1.436202e+07
ADC
channel

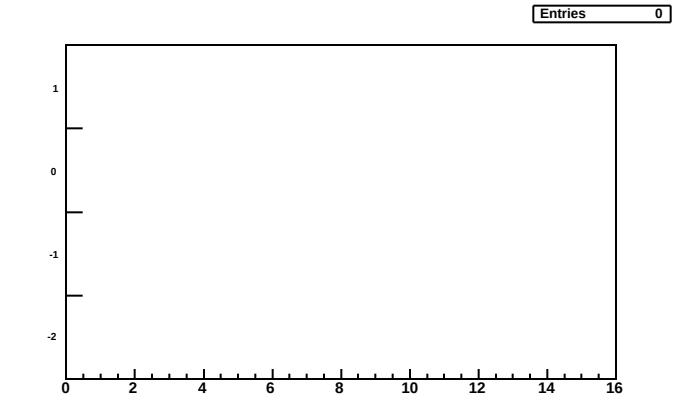

TF201 0-15 (ch0)
Entries 7181008
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

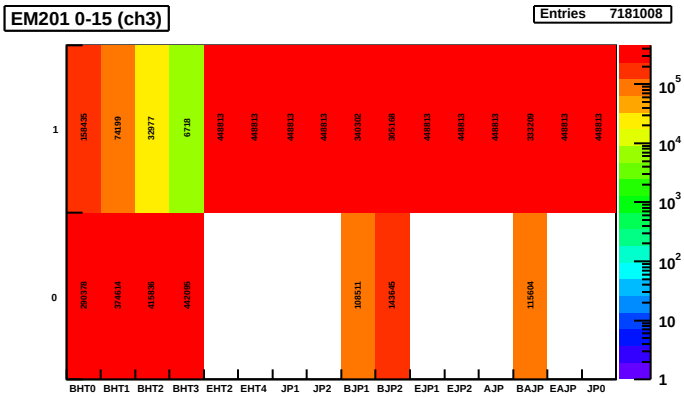

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

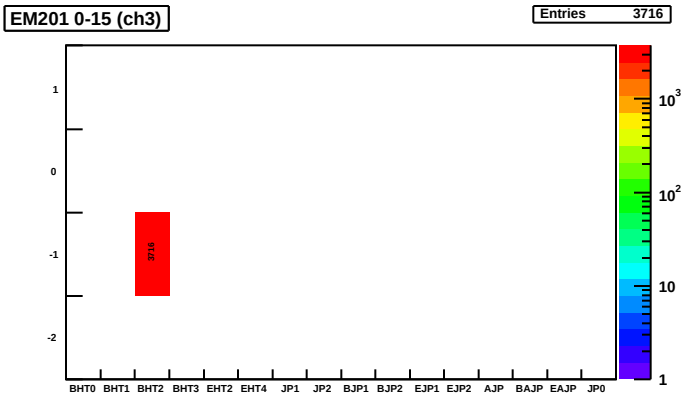

VT201 0-15 (ch1)
Entries 7181008
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1445193
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

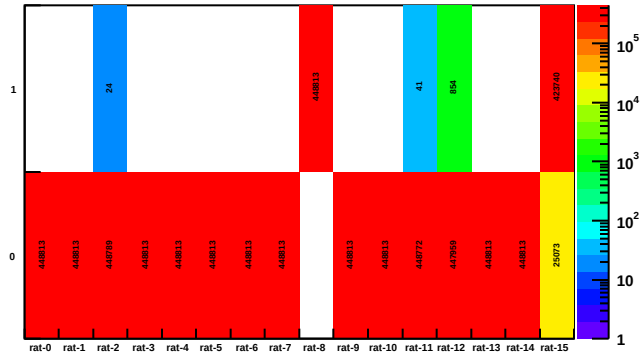

Unused (ch2)
Entries 7181008

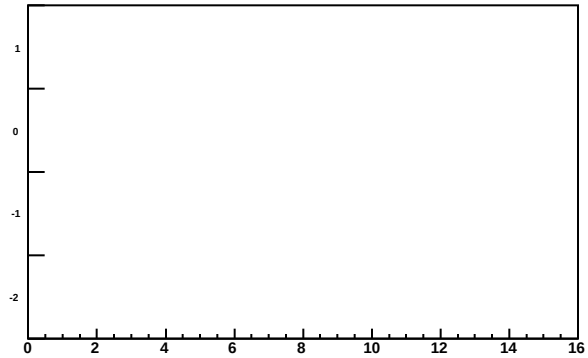

Entries 0


EM201 0-15 (ch3)
Entries 7181008
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

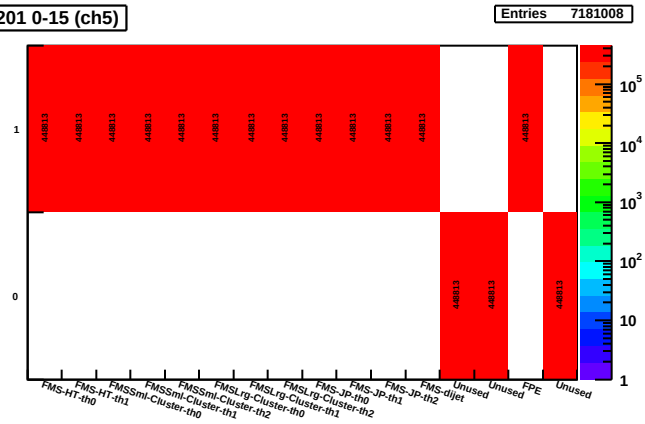

EM201 0-15 (ch3)
Entries 3716
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

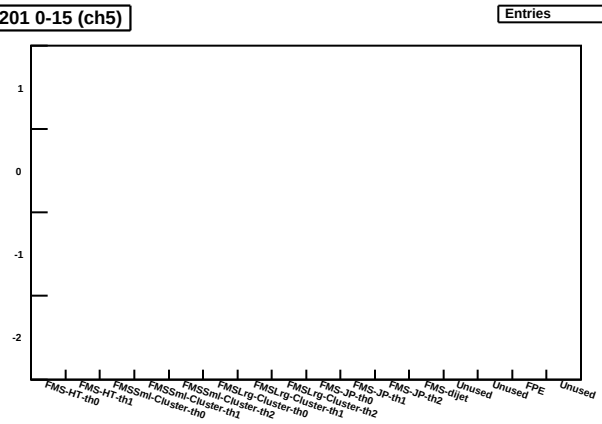




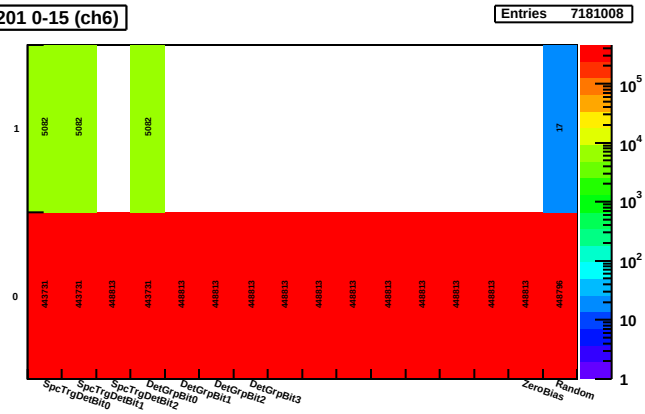
FP201 0-15 (ch5)

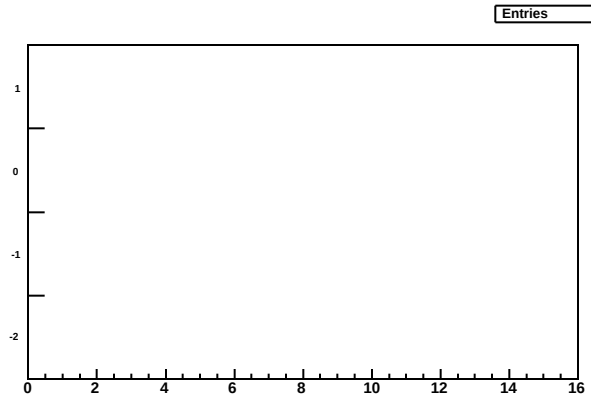
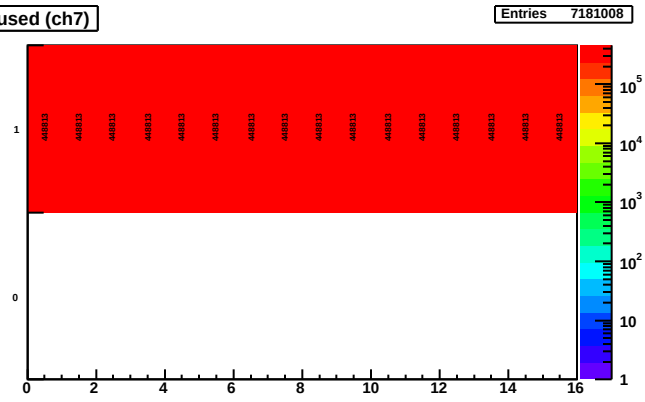
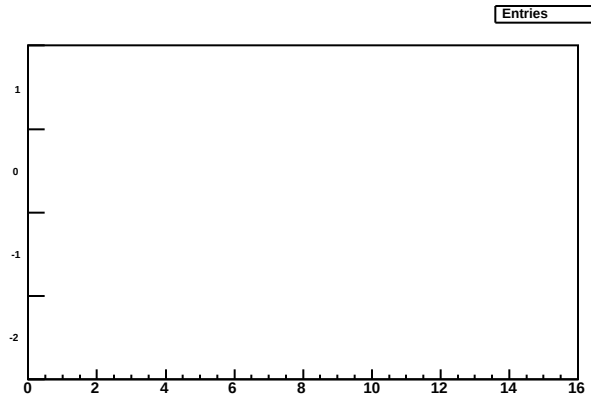


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)