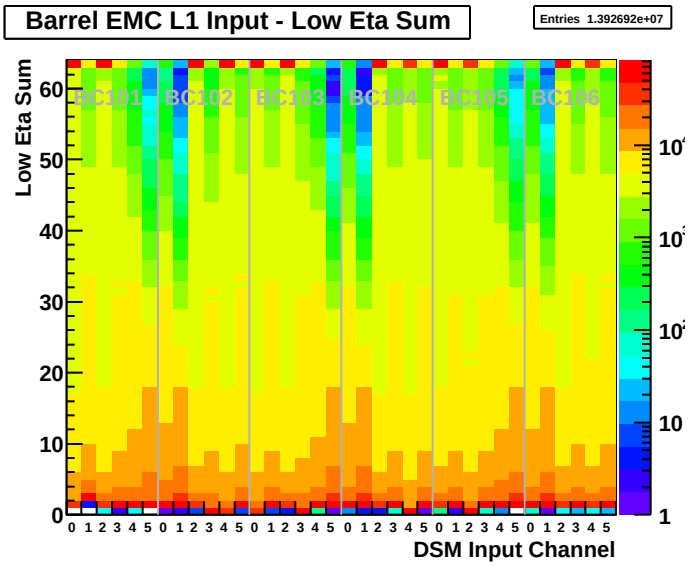
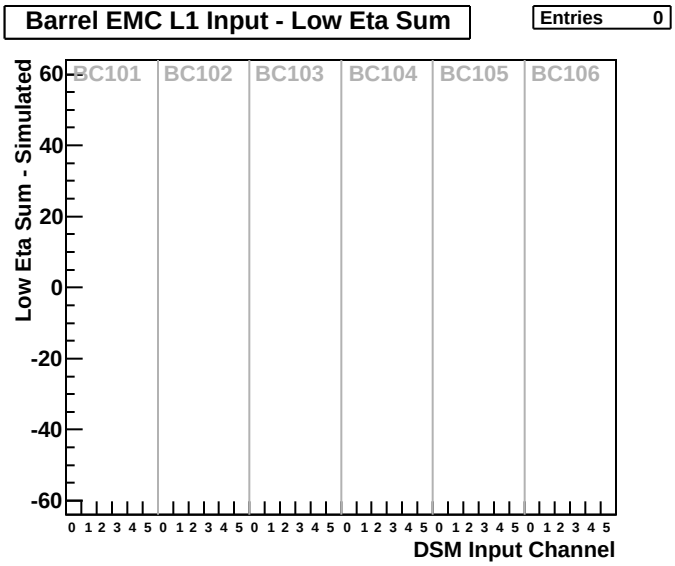
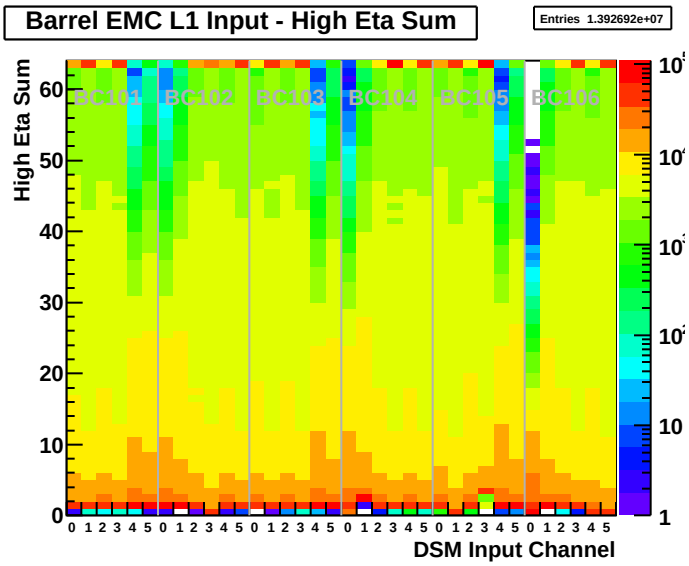
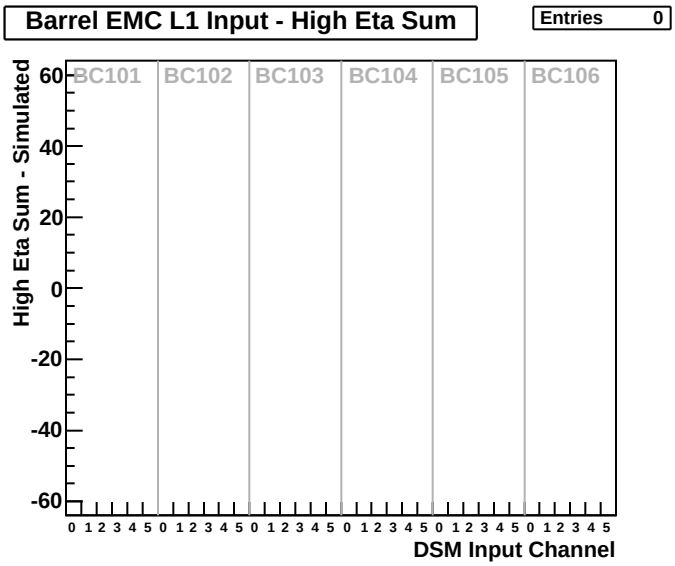
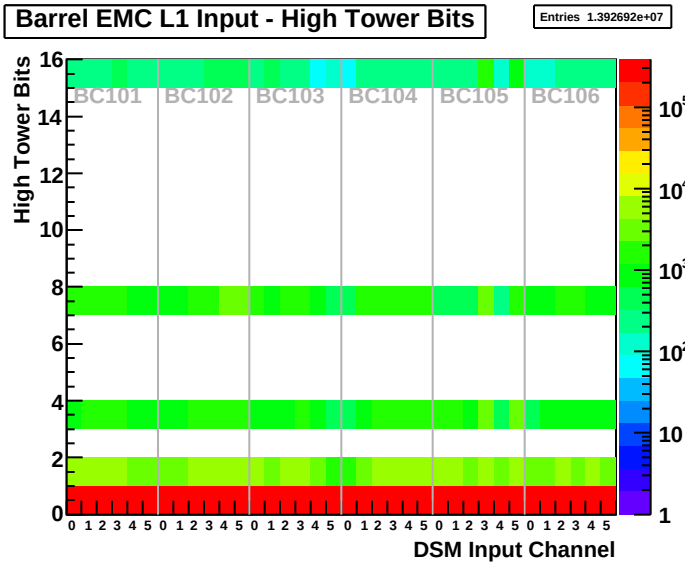
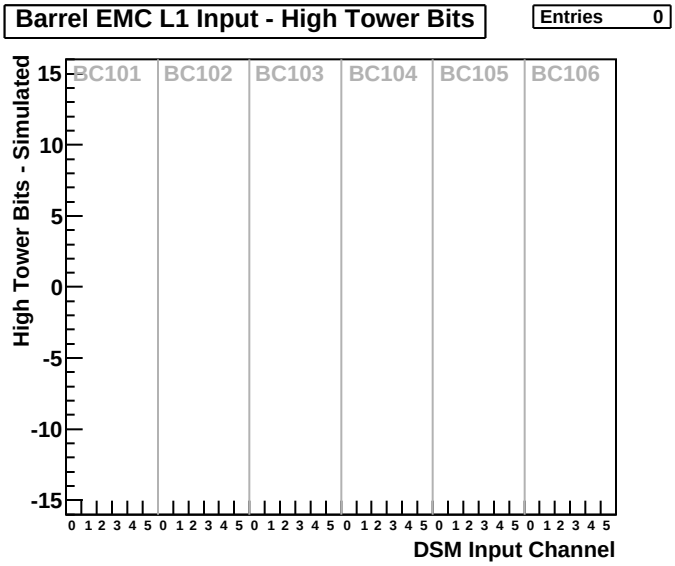

Barrel EMC L1 Input - Low Eta Sum
Entries 1.392692e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

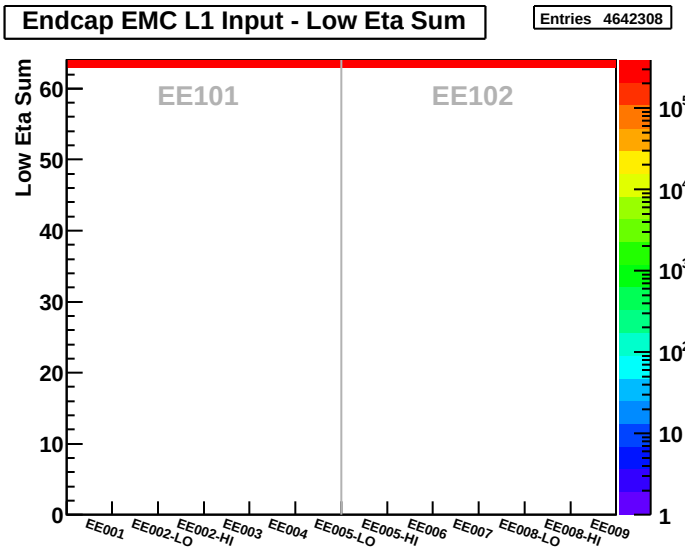

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

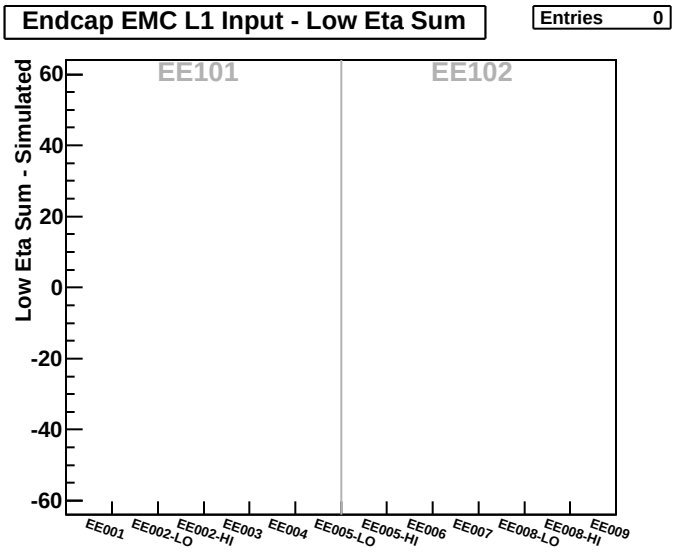

Barrel EMC L1 Input - High Eta Sum
Entries 1.392692e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

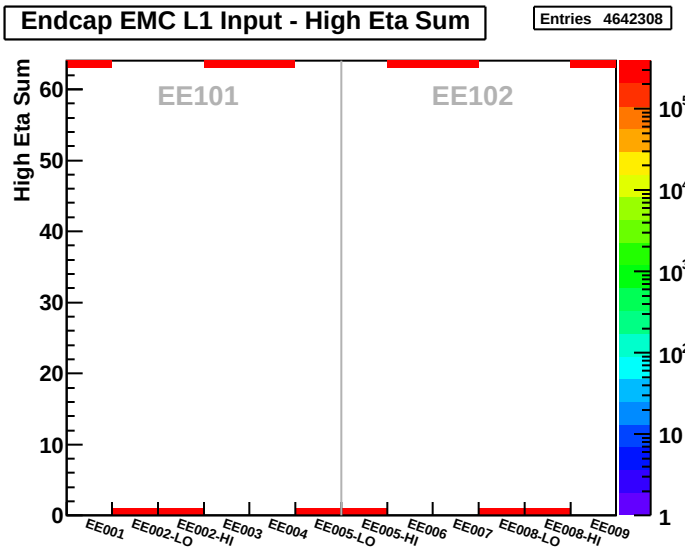

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

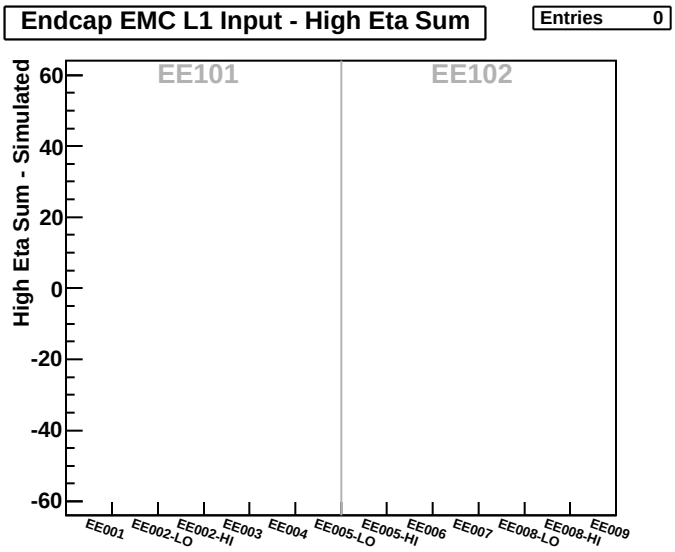

Barrel EMC L1 Input - High Tower Bits
Entries 1.392692e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

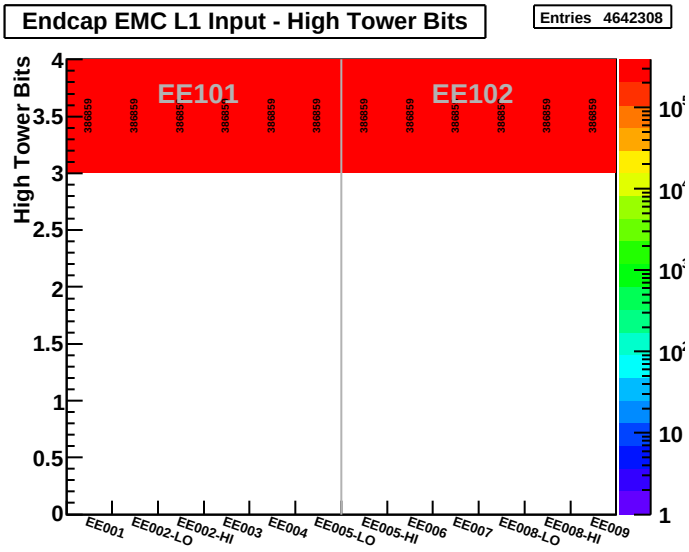

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

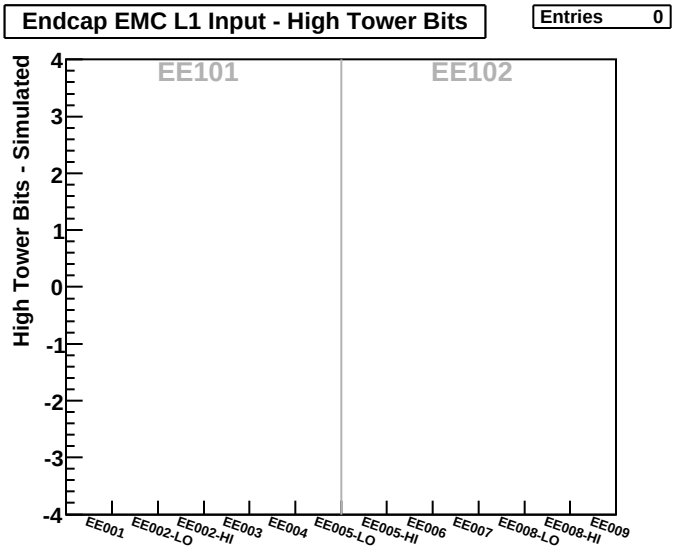

Endcap EMC L1 Input - Low Eta Sum
Entries 4642308
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

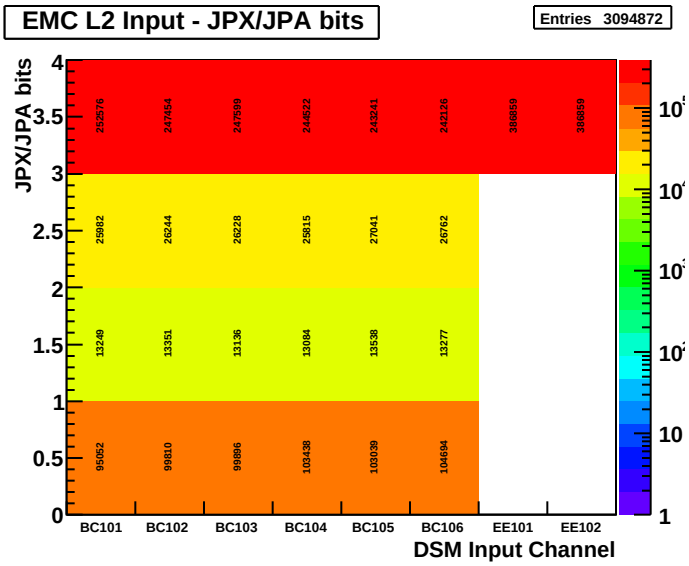

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

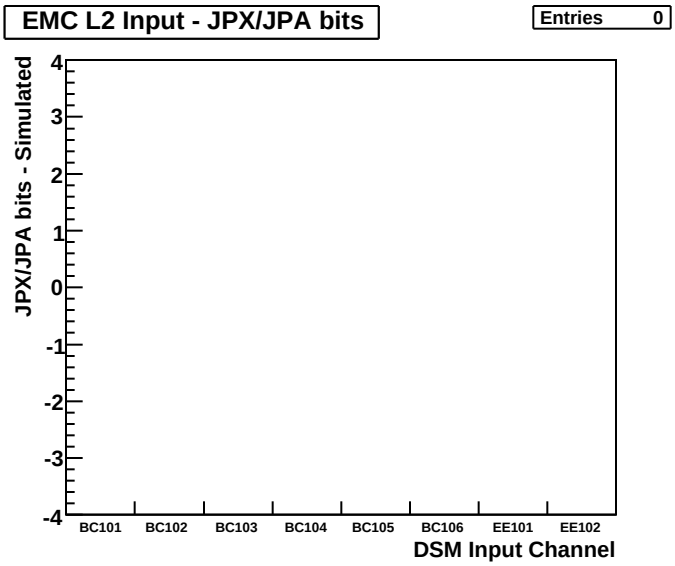

Endcap EMC L1 Input - High Eta Sum
Entries 4642308
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

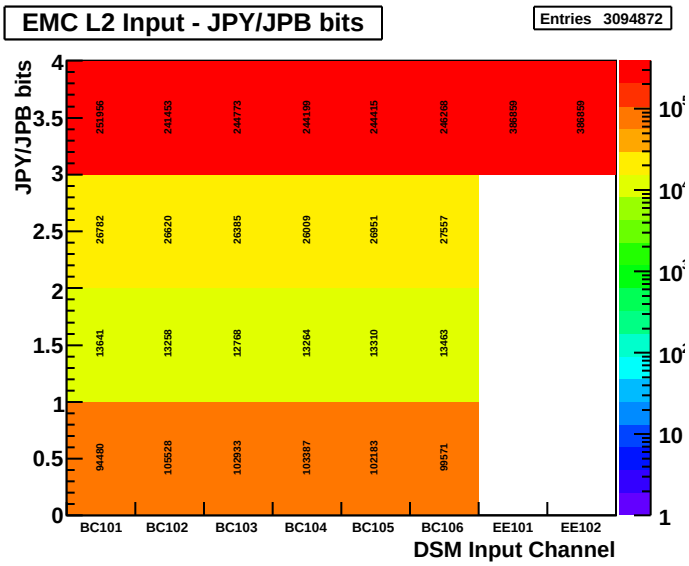

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

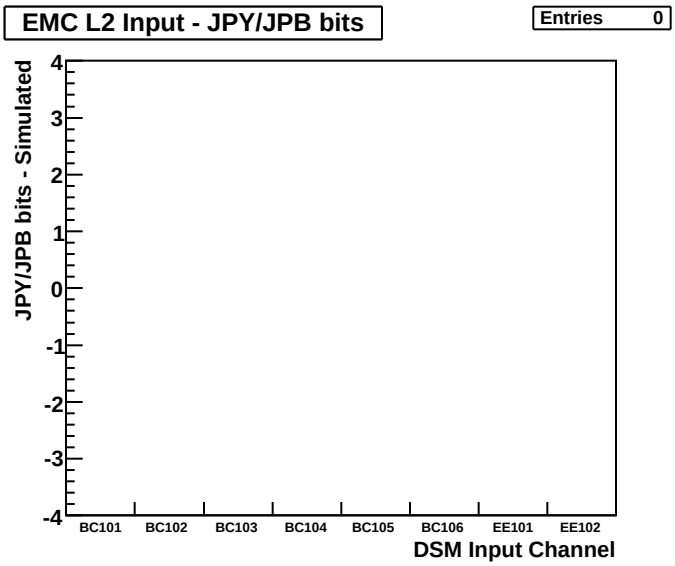

Endcap EMC L1 Input - High Tower Bits
Entries 4642308
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

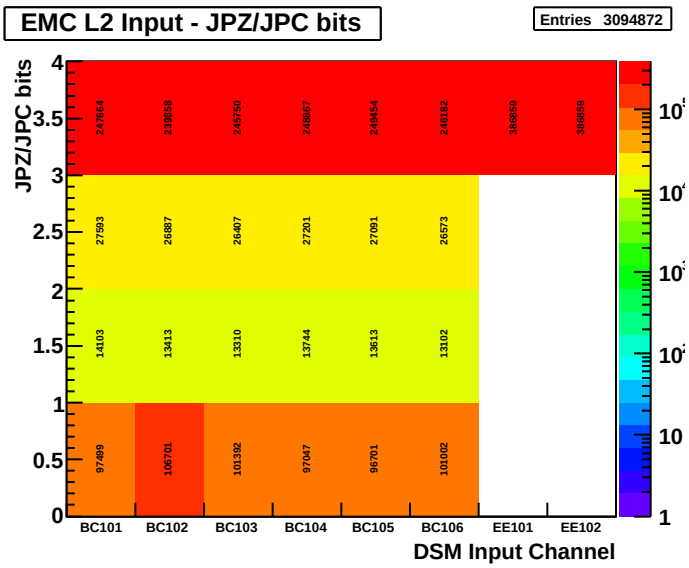

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

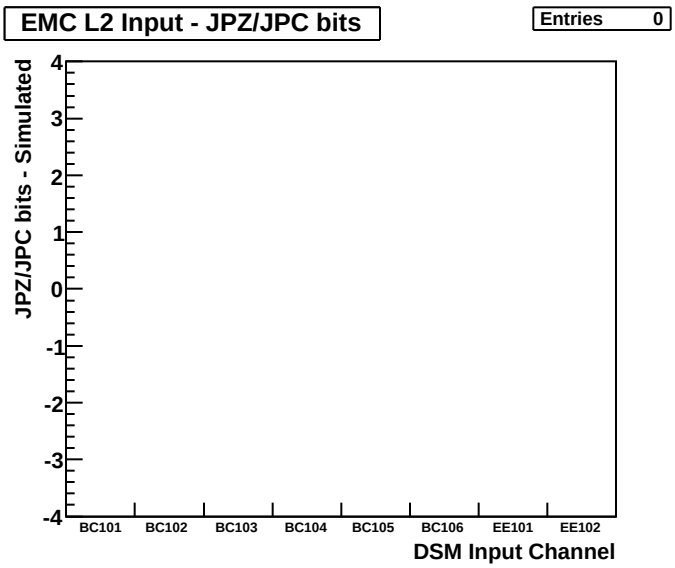

EMC L2 Input - JPX/JPA bits
Entries 3094872
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
252576 247454 247599 244622 243241 242126 386859 386859
25982 26244 26228 25815 27041 26762
13249 13351 13136 13084 13538 13277
95052 99810 99896 103438 103039 104694

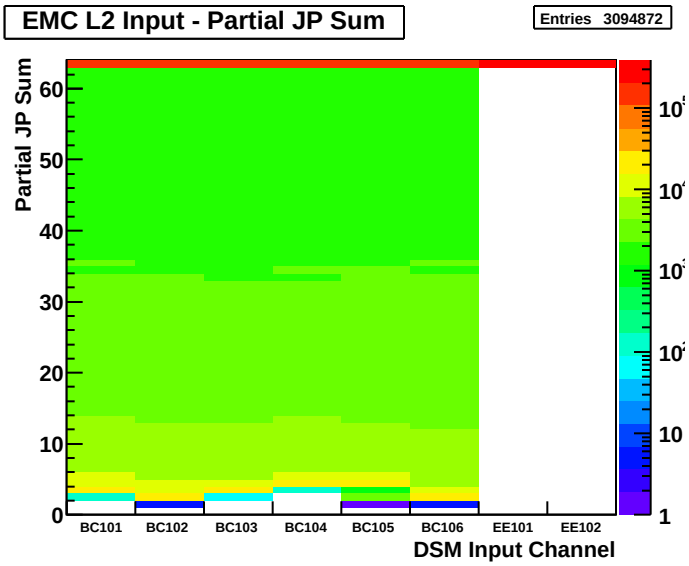

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

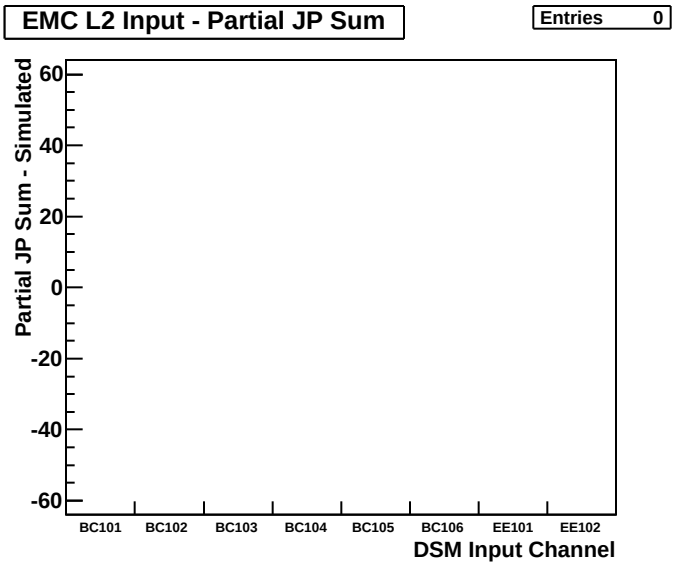

EMC L2 Input - JPY/JPB bits
Entries 3094872
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
251956 241453 244773 244199 244415 246268 386859 386859
26782 26620 26385 26009 26951 27557
13641 13258 12768 13264 13310 13463
94480 105528 102933 103387 102183 99571

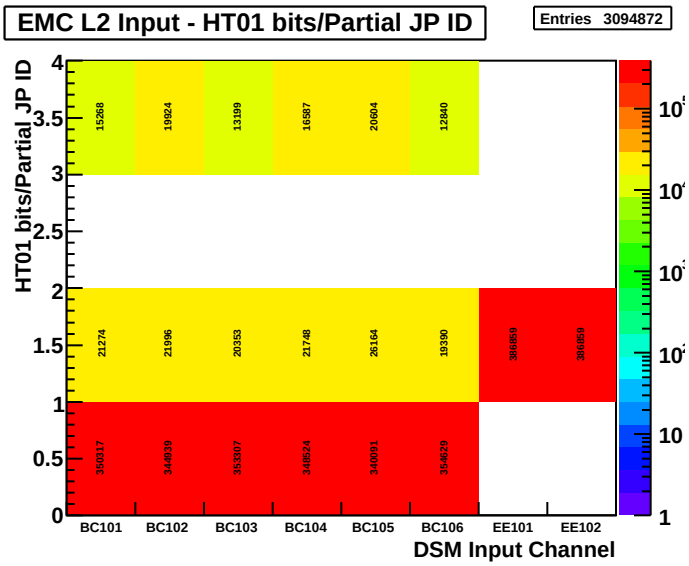

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

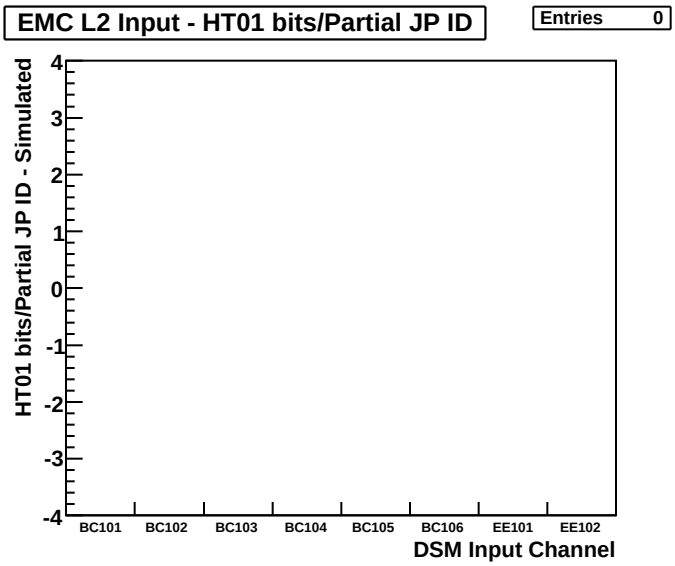

EMC L2 Input - JPZ/JPC bits
Entries 3094872
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
247664 238658 245750 248867 249454 246182 386859 386859
27593 26887 26407 27201 27091 26573
14103 13413 13310 13744 13613 13102
97489 106701 101392 97047 96701 101002

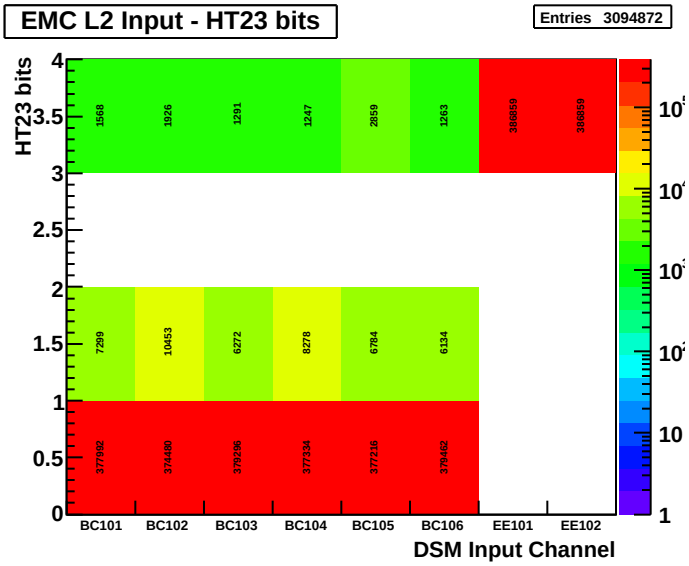

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

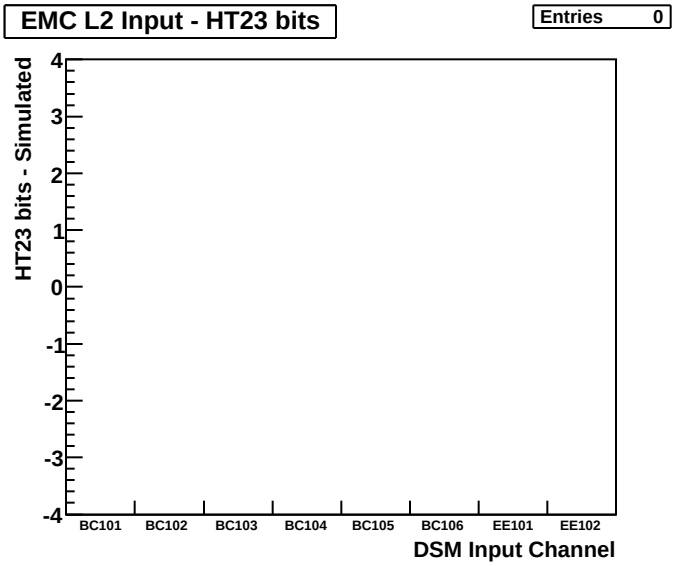

EMC L2 Input - Partial JP Sum
Entries 3094872
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

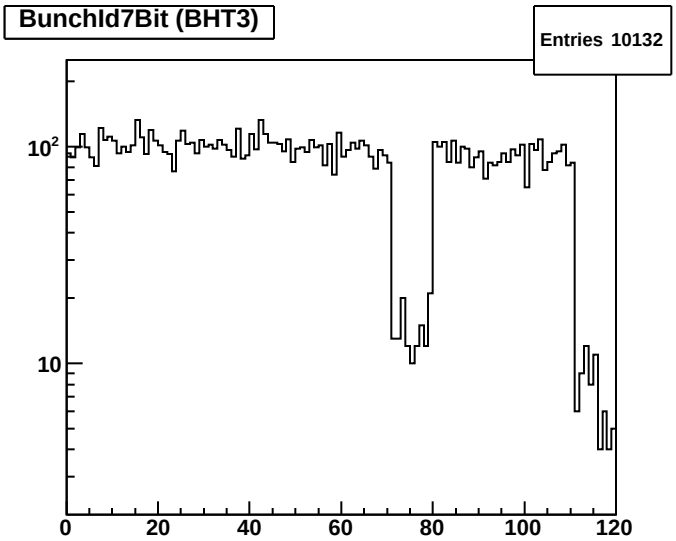

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

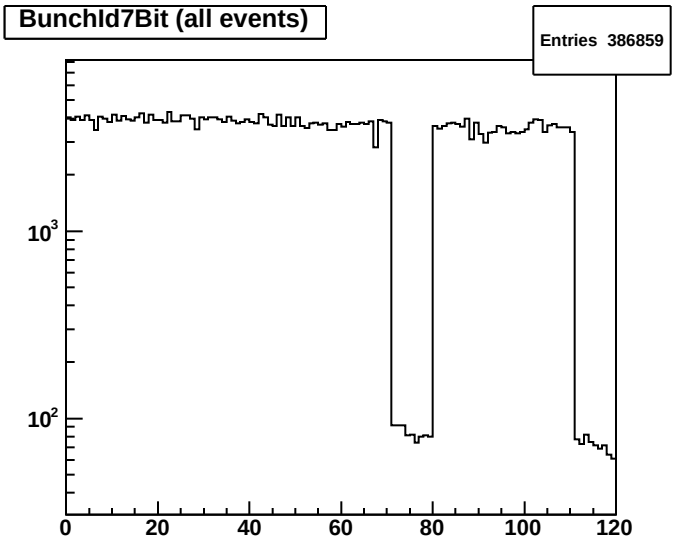

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3094872
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

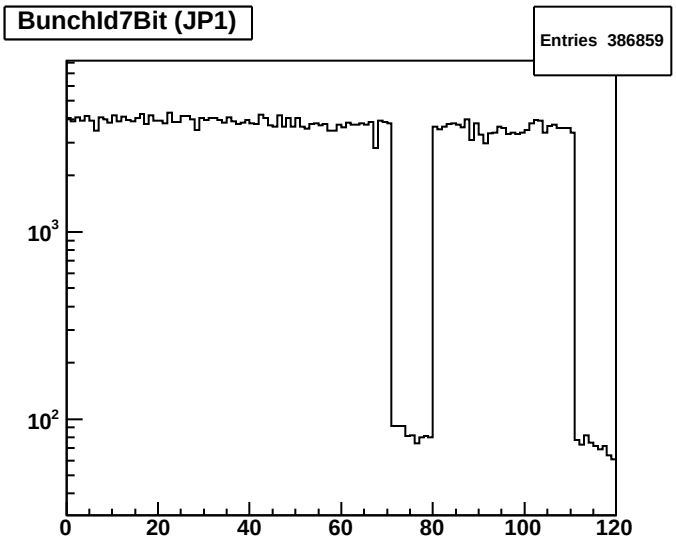

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

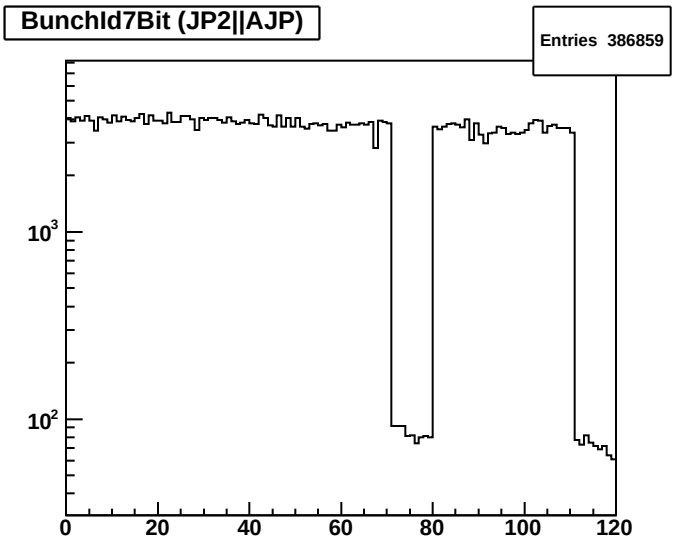

EMC L2 Input - HT23 bits
Entries 3094872
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

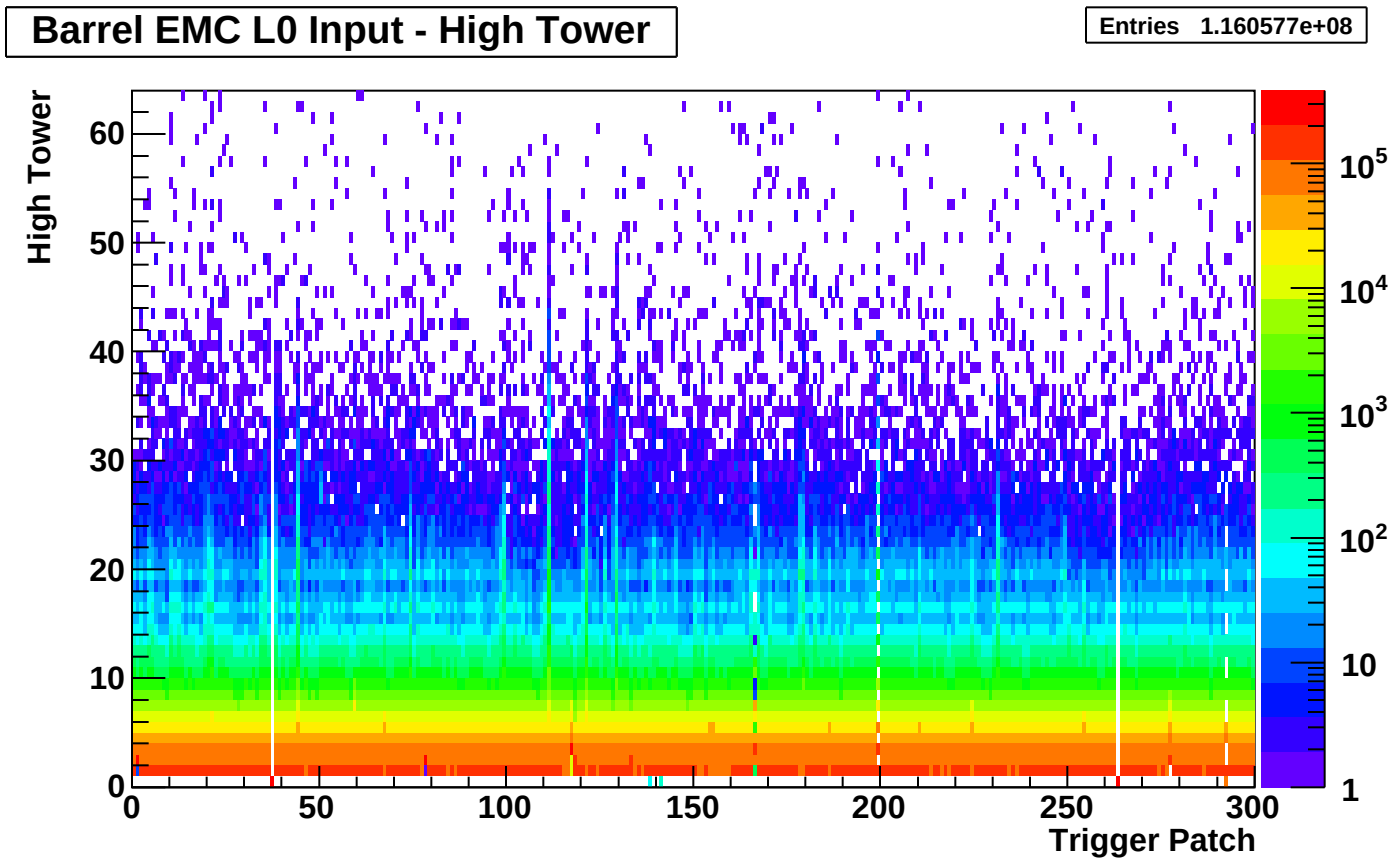

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

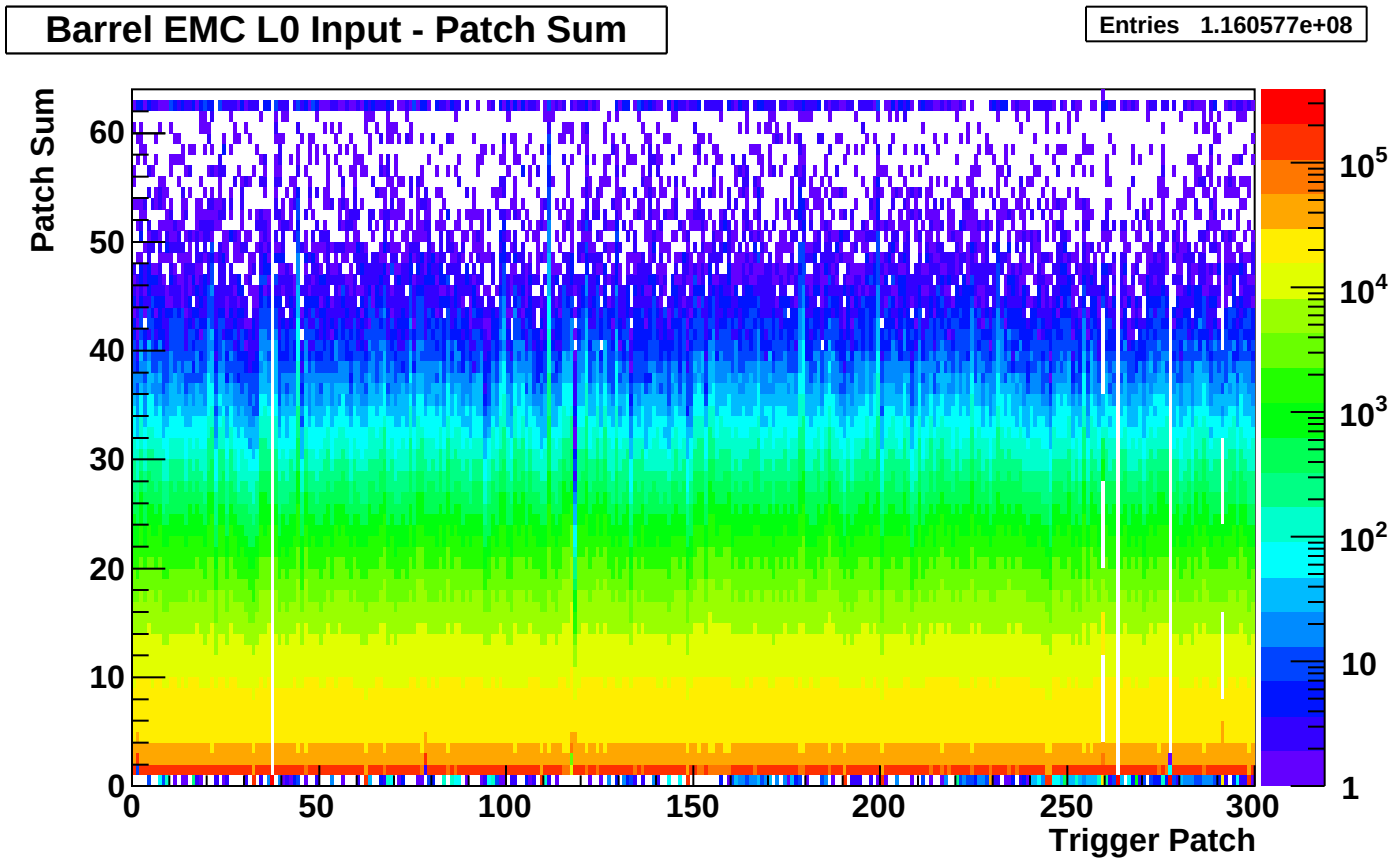

BunchId7Bit (BHT3)
Entries 10132
10^2
10
0
20
40
60
80
100
120

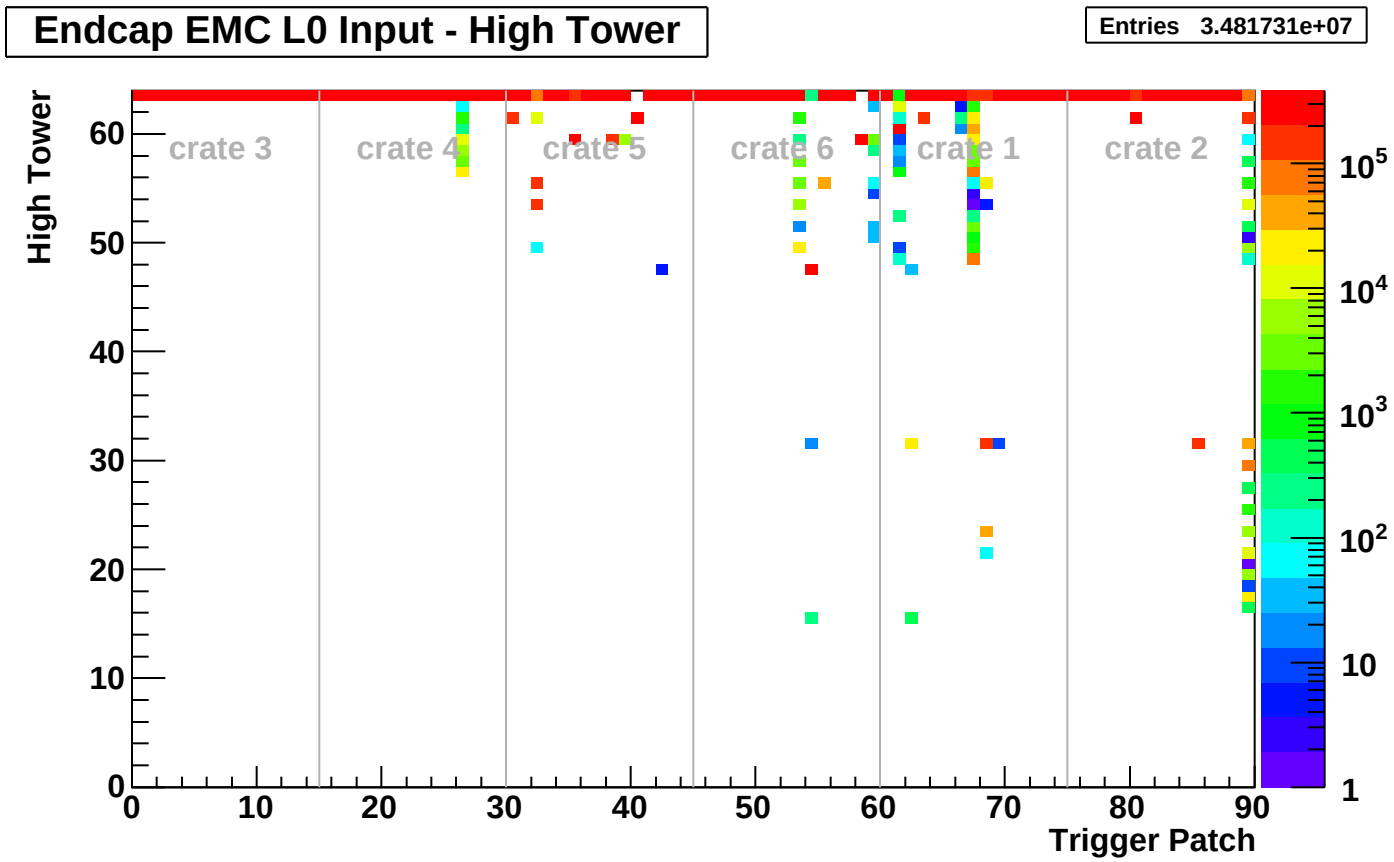

BunchId7Bit (all events)
Entries 386859
10^3
10^2
0
20
40
60
80
100
120

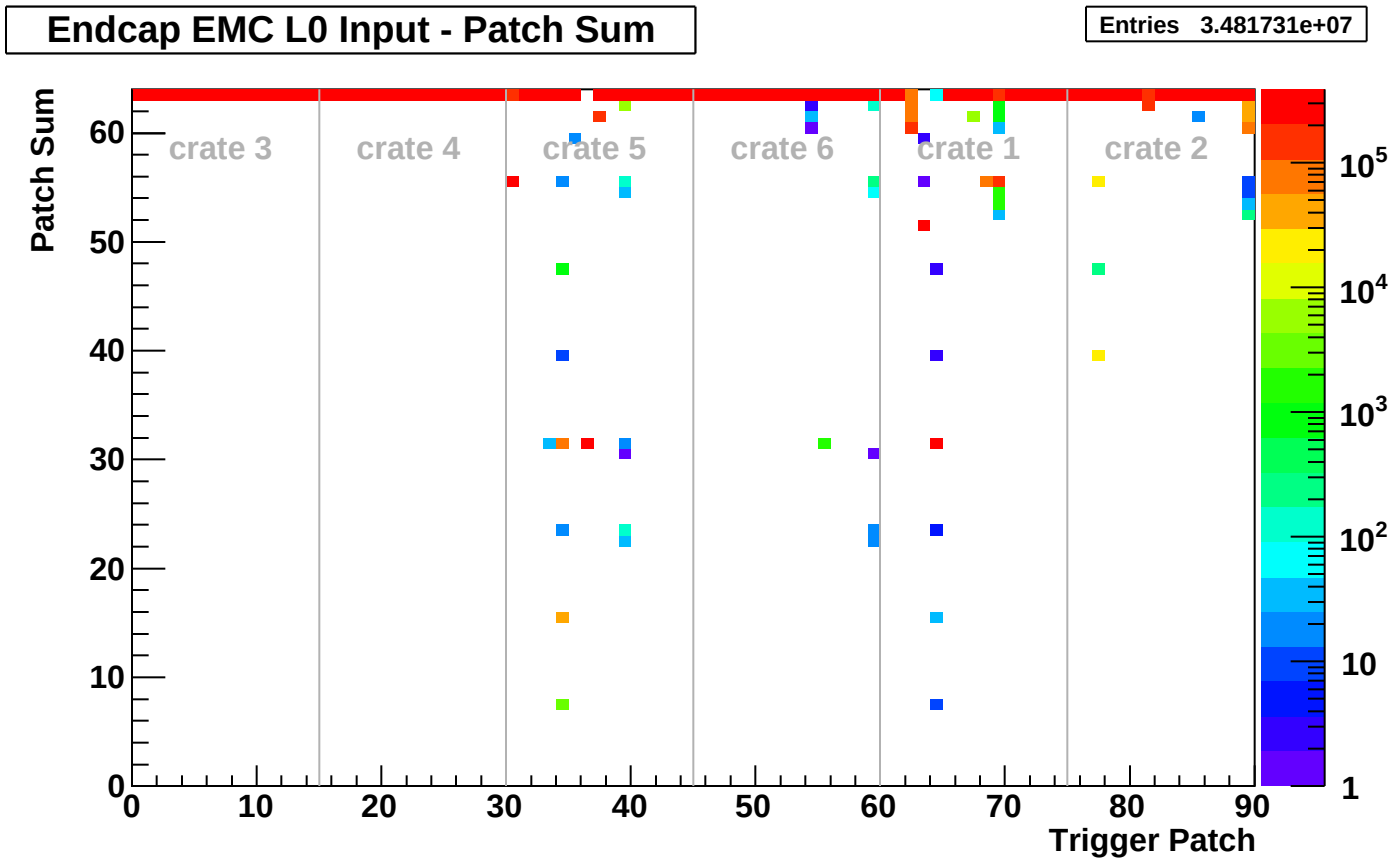

BunchId7Bit (JP1)
Entries 386859
10^3
10^2
0
20
40
60
80
100
120

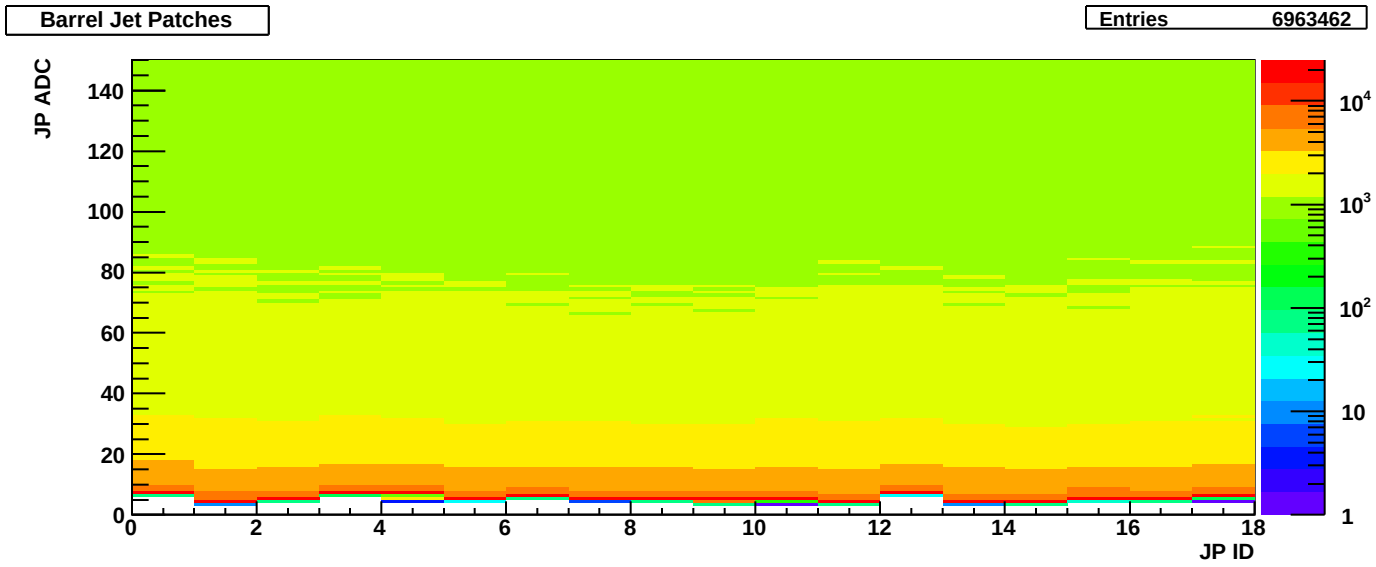

BunchId7Bit (JP2||AJP)
Entries 386859
10^3
10^2
0
20
40
60
80
100
120

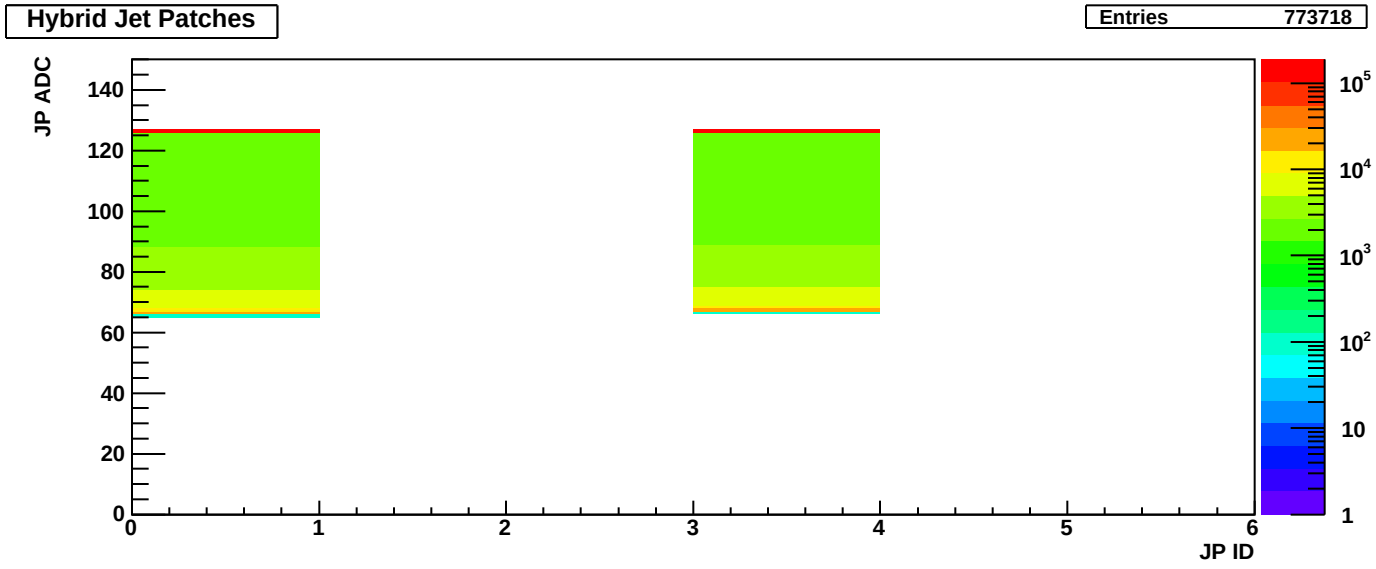

Barrel EMC L0 Input - High Tower
Entries 1.160577e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

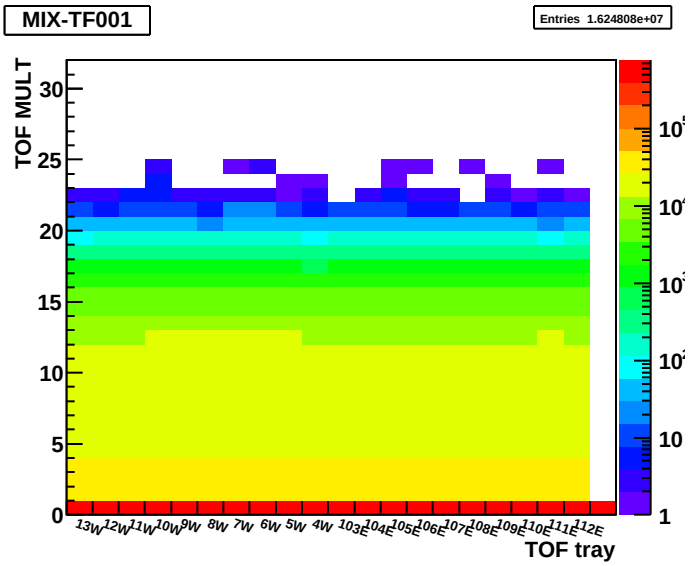

Barrel EMC L0 Input - Patch Sum
Entries 1.160577e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

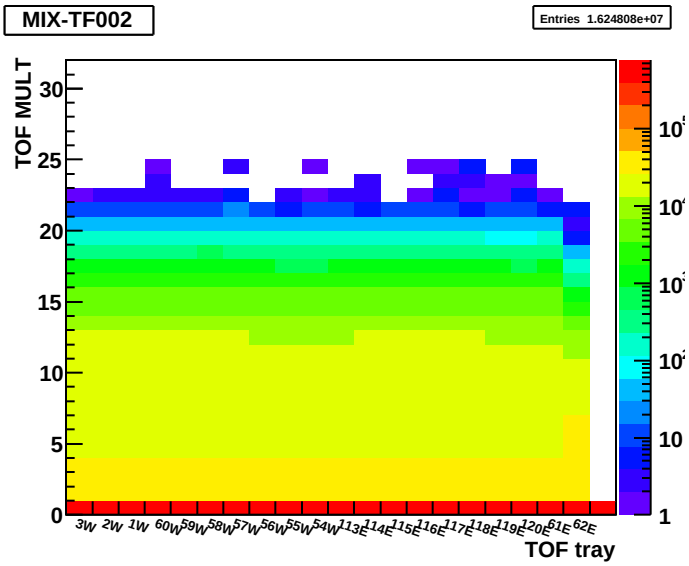

Endcap EMC L0 Input - High Tower
Entries 3.481731e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

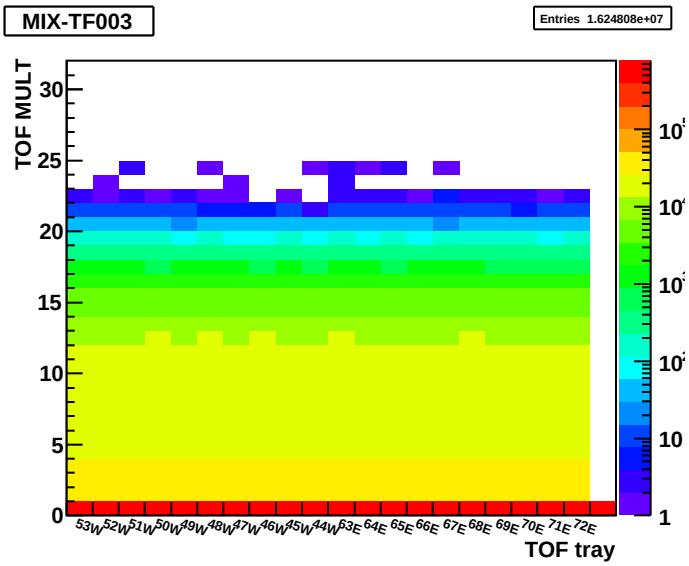

Endcap EMC L0 Input - Patch Sum
Entries 3.481731e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

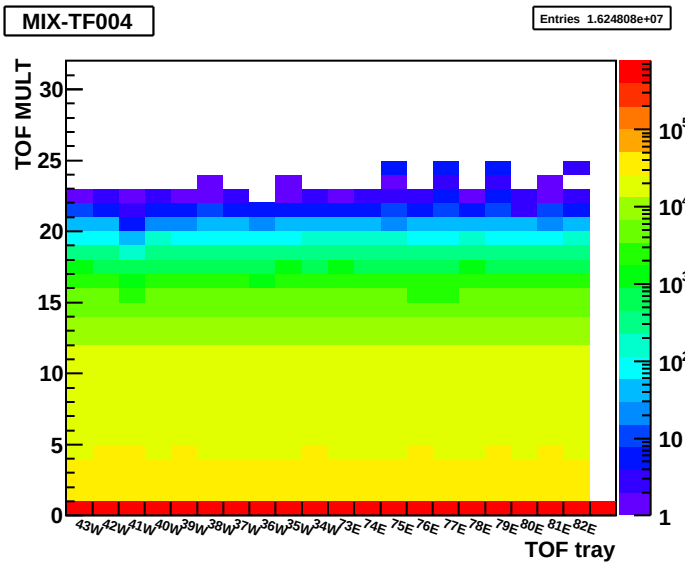

Barrel Jet Patches
Entries 6963462
JP ADC
JP ID

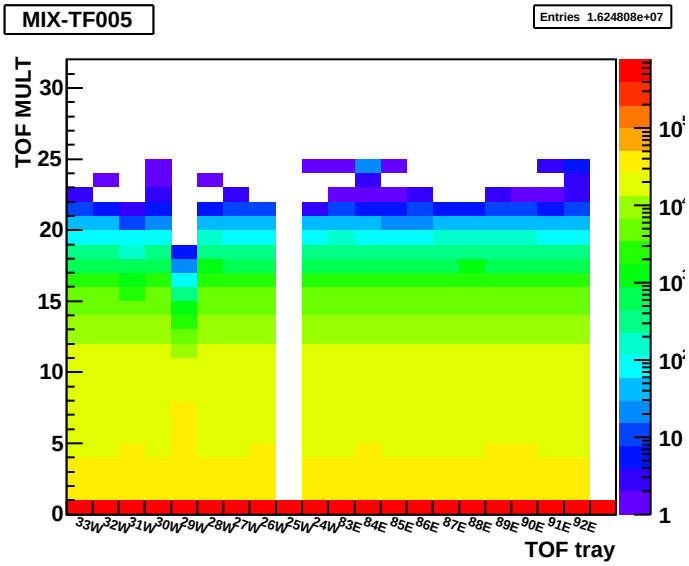

Hybrid Jet Patches
Entries 773718
JP ADC
JP ID

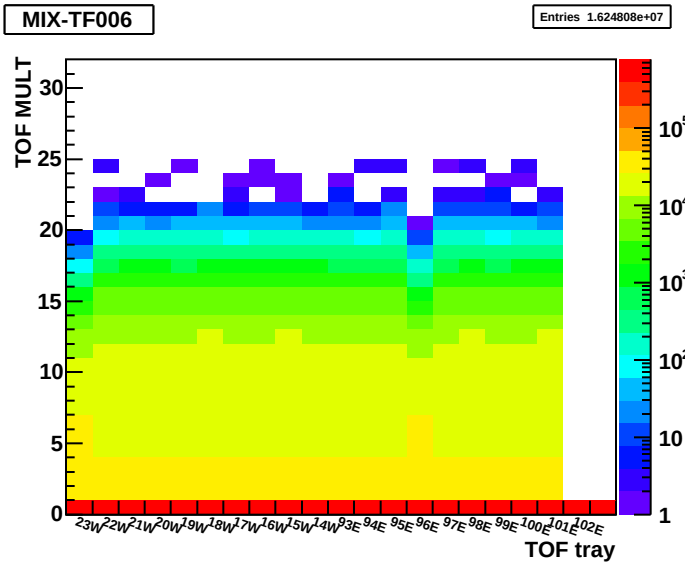

MIX-TF001
Entries 1.624808e+07
TOF MULT
TOF tray

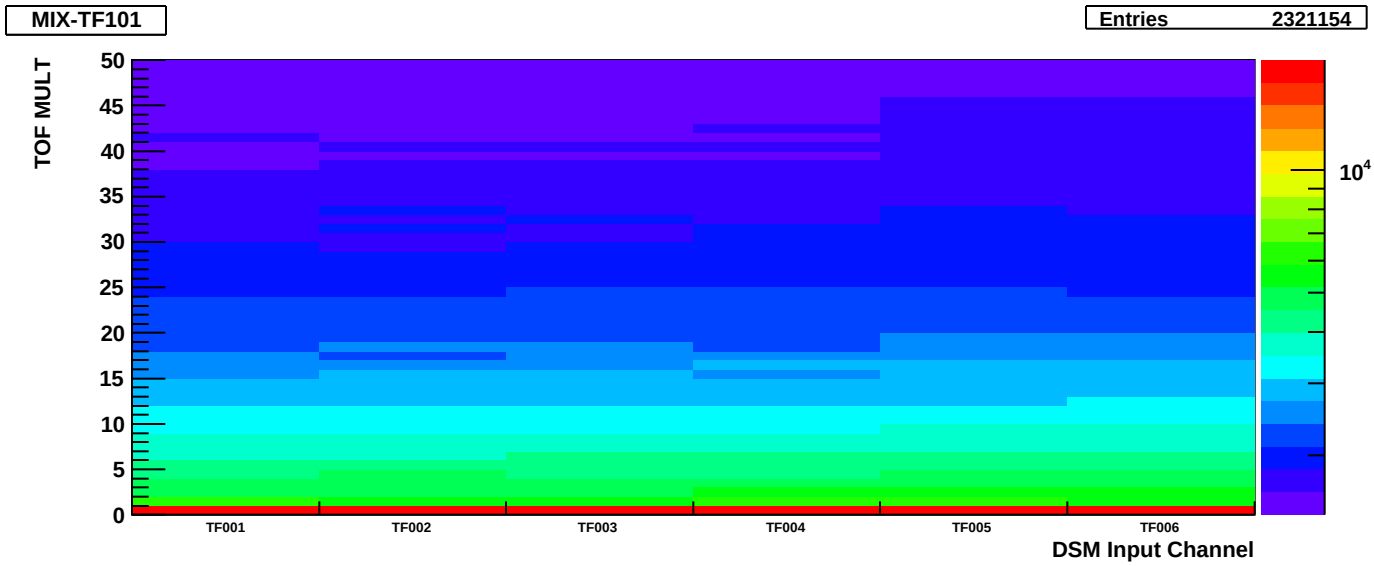

MIX-TF002
Entries 1.624808e+07
TOF MULT
TOF tray

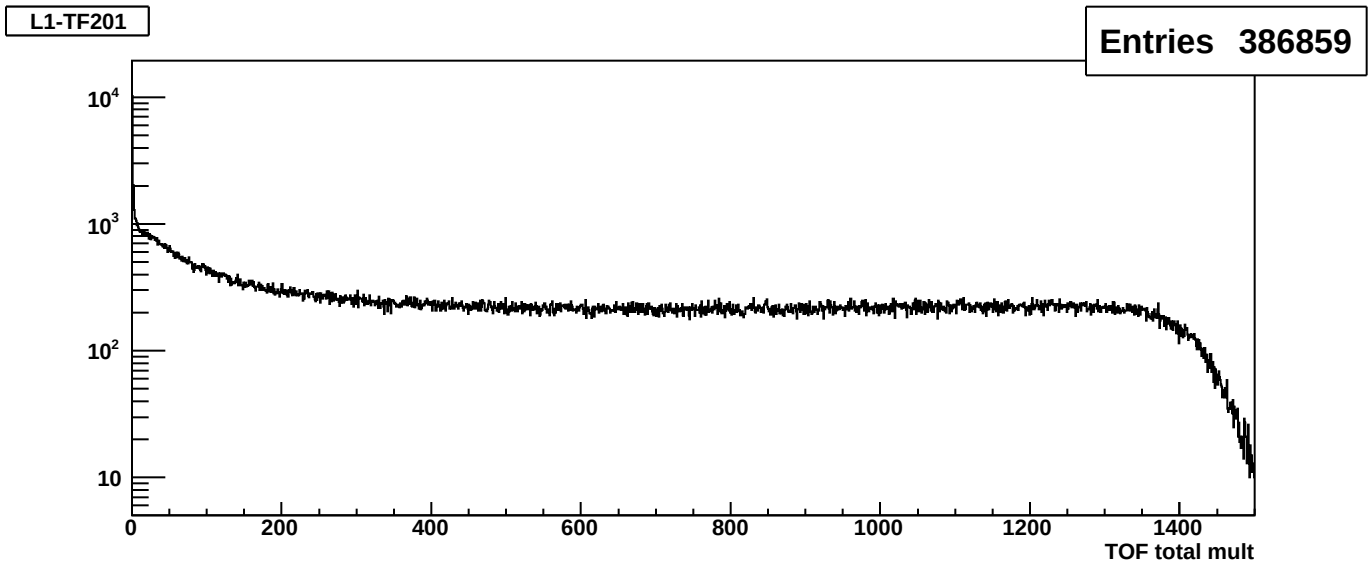

MIX-TF003
Entries 1.624808e+07
TOF MULT
TOF tray

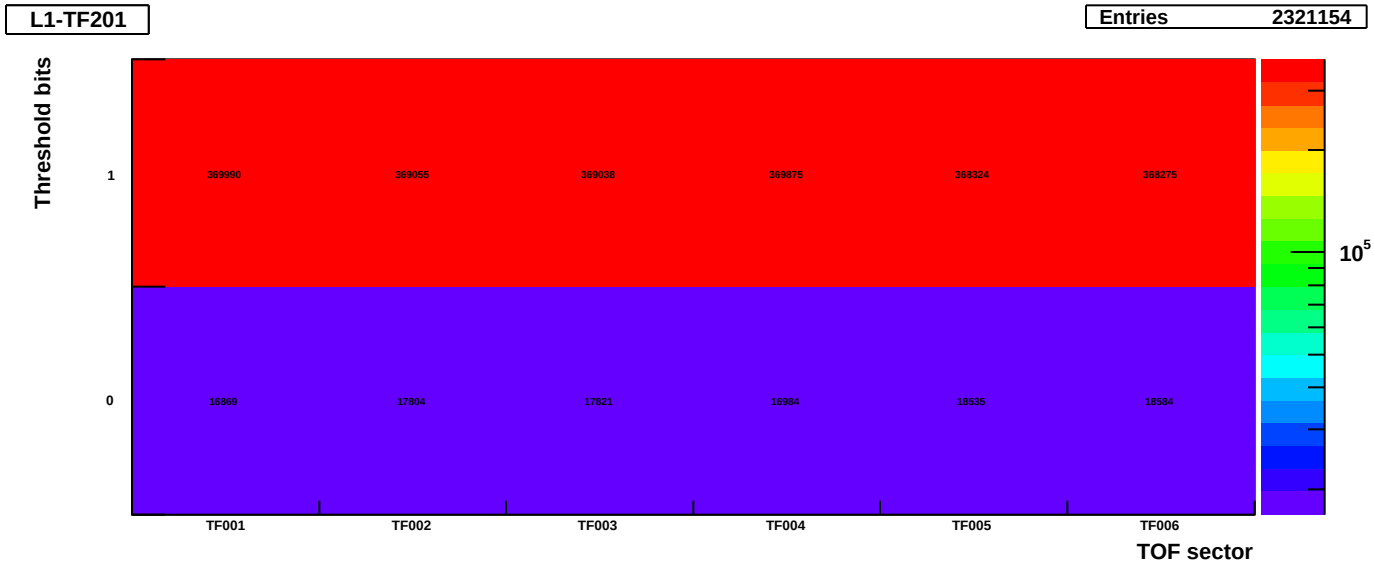

MIX-TF004
Entries 1.624808e+07
TOF MULT
TOF tray

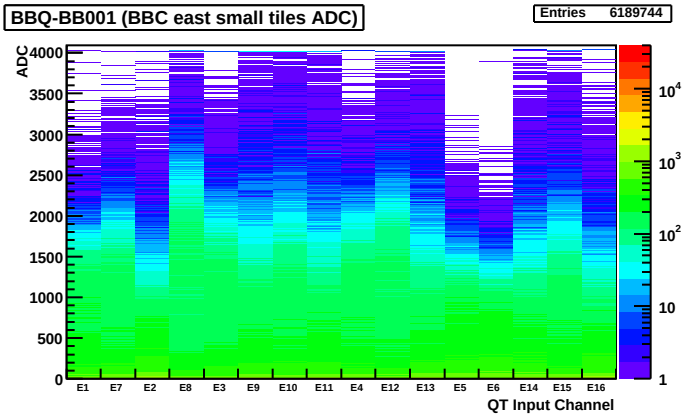

MIX-TF005
Entries 1.624808e+07
TOF MULT
TOF tray

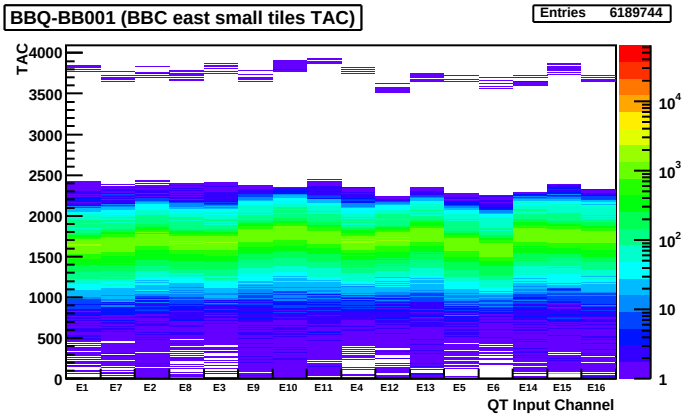

MIX-TF006
Entries 1.624808e+07
TOF MULT
TOF tray

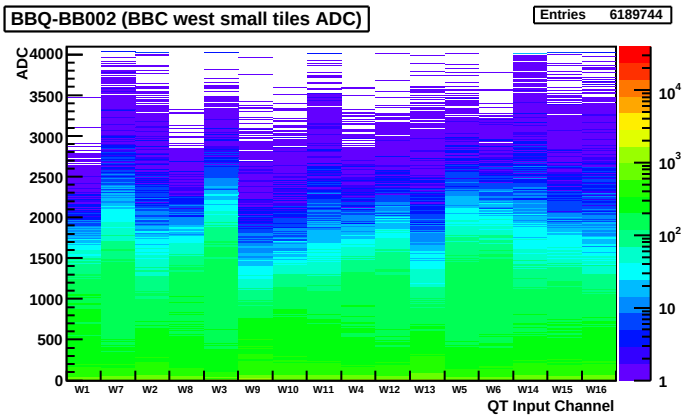

MIX-TF101
Entries 2321154
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

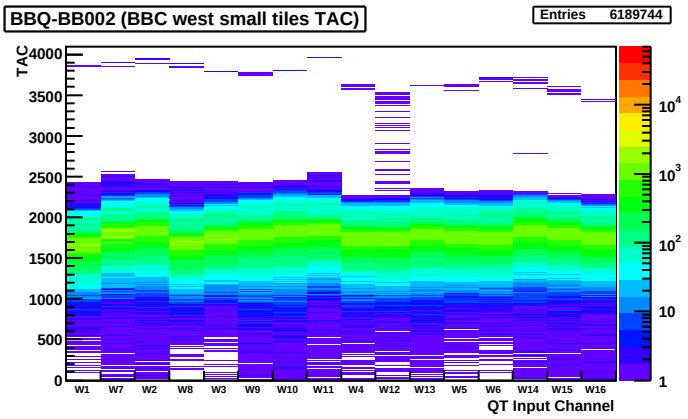

L1-TF201
Entries 386859
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

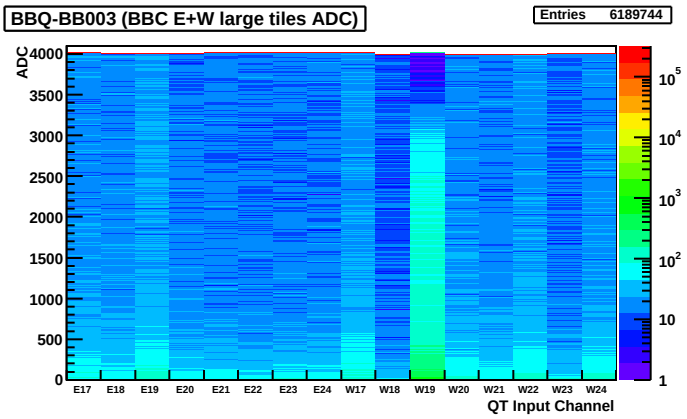

L1-TF201
Entries 2321154
Threshold bits
1
0
369990
369055
369038
369875
368324
368275
16869
17804
17821
16984
18535
18584
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

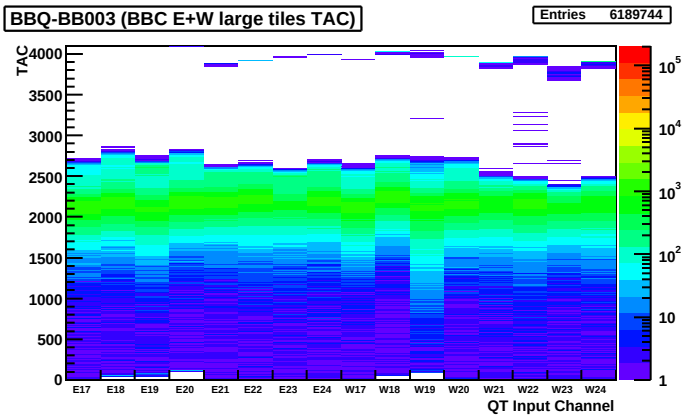

BBQ-BB001 (BBC east small tiles ADC)
Entries 6189744
ADC
QT Input Channel

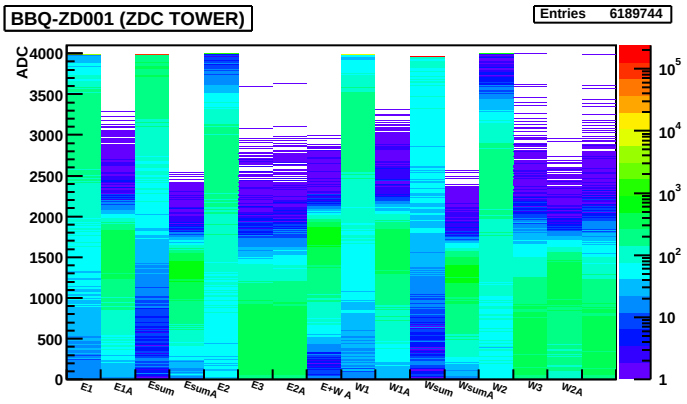

BBQ-BB001 (BBC east small tiles TAC)
Entries 6189744
TAC
QT Input Channel

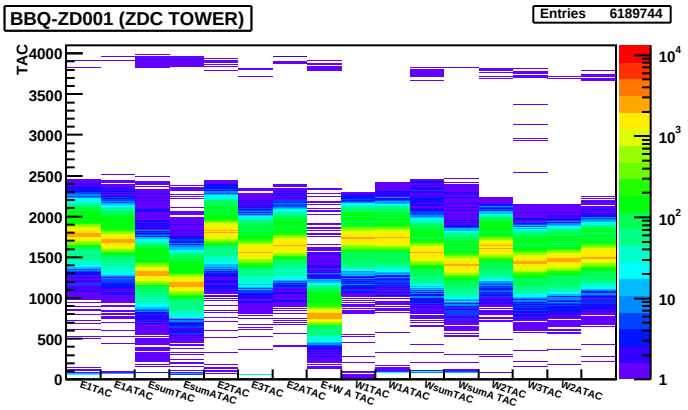

BBQ-BB002 (BBC west small tiles ADC)
Entries 6189744
ADC
QT Input Channel

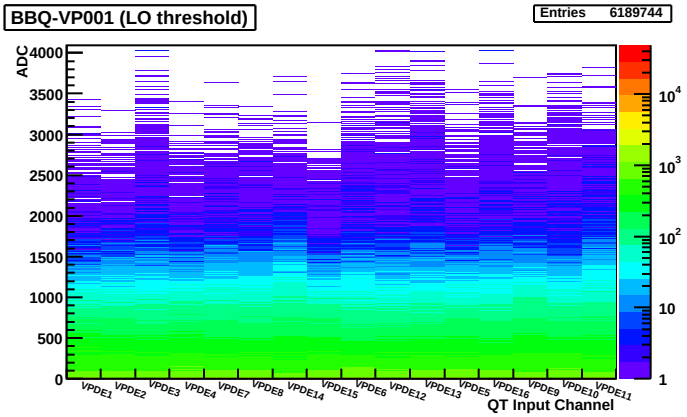

BBQ-BB002 (BBC west small tiles TAC)
Entries 6189744
TAC
QT Input Channel

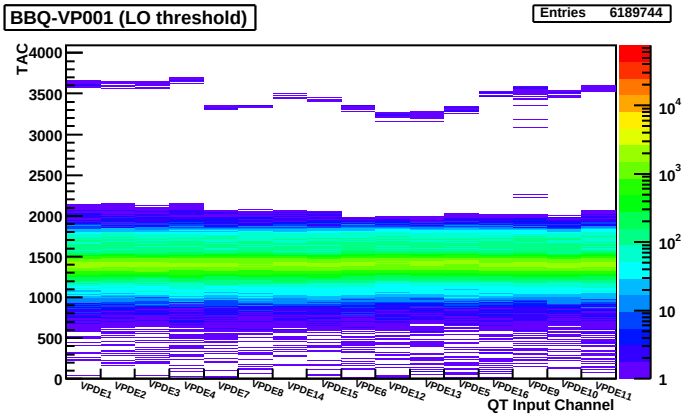

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6189744
ADC
QT Input Channel

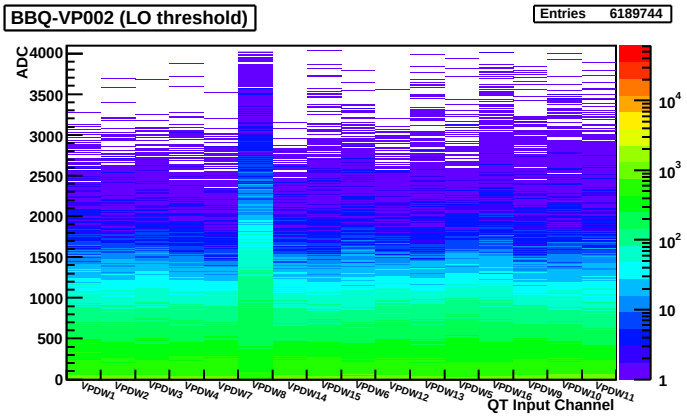

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6189744
TAC
QT Input Channel

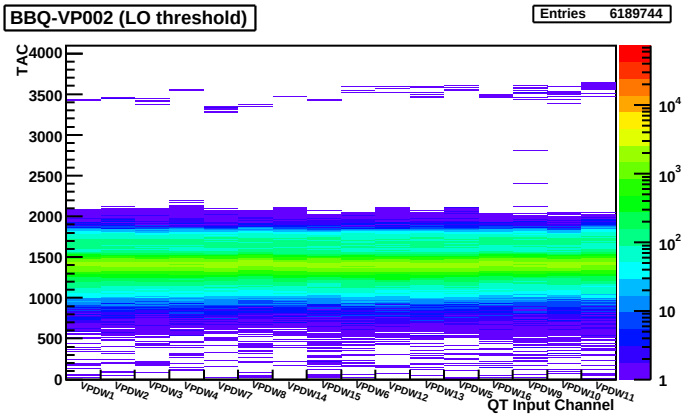

BBQ-ZD001 (ZDC TOWER)
Entries 6189744
ADC

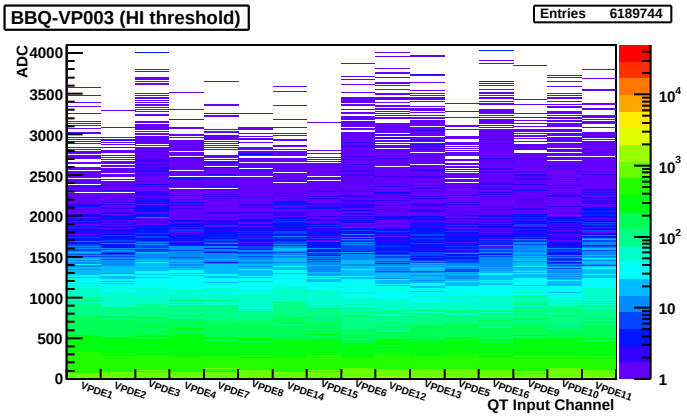

BBQ-ZD001 (ZDC TOWER)
Entries 6189744
TAC

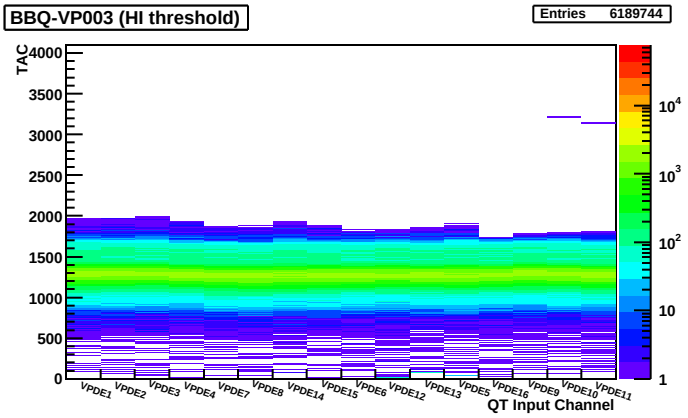

BBQ-VP001 (LO threshold)
Entries 6189744
ADC
QT Input Channel

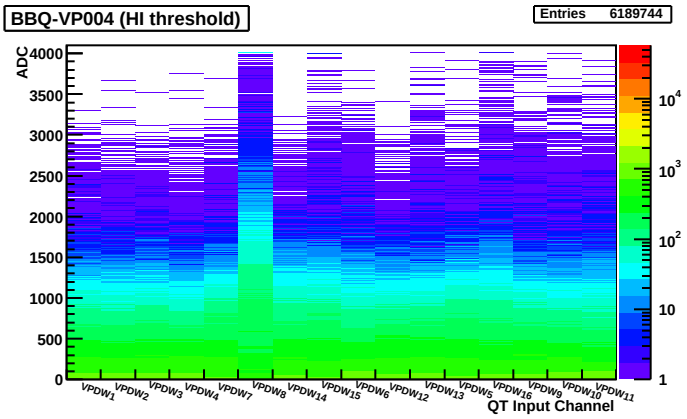

BBQ-VP001 (LO threshold)
Entries 6189744
TAC
QT Input Channel

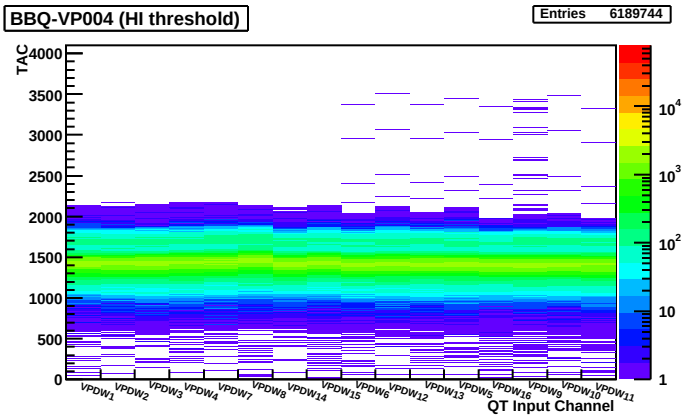

BBQ-VP002 (LO threshold)
Entries 6189744
ADC
QT Input Channel

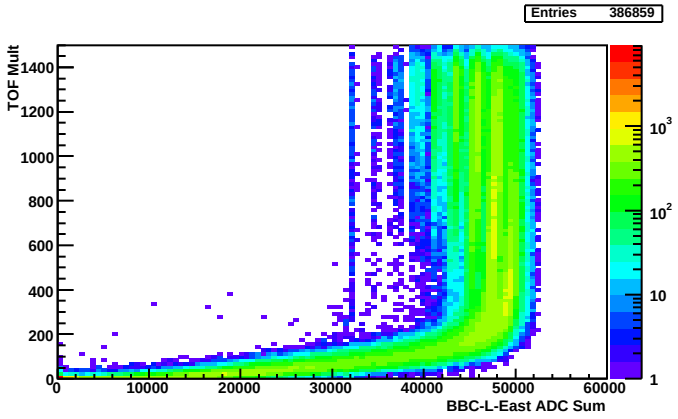

BBQ-VP002 (LO threshold)
Entries 6189744
TAC
QT Input Channel

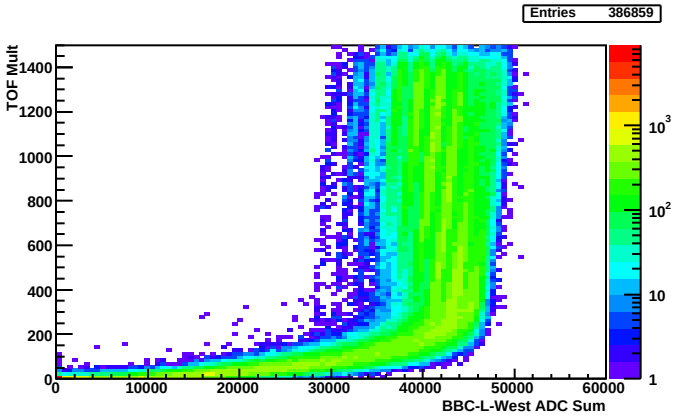

BBQ-VP003 (HI threshold)
Entries 6189744
ADC
QT Input Channel

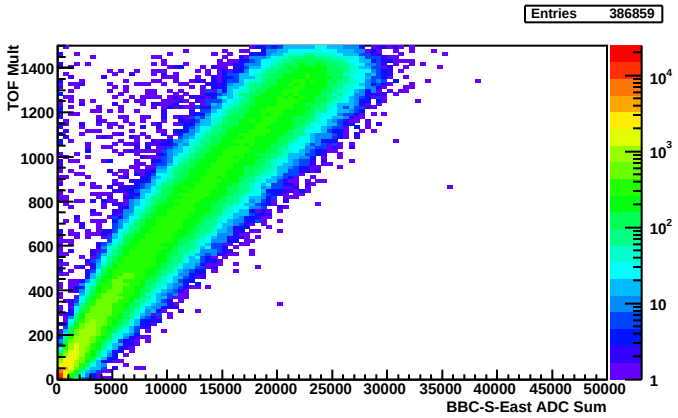

BBQ-VP003 (HI threshold)
Entries 6189744
TAC
QT Input Channel

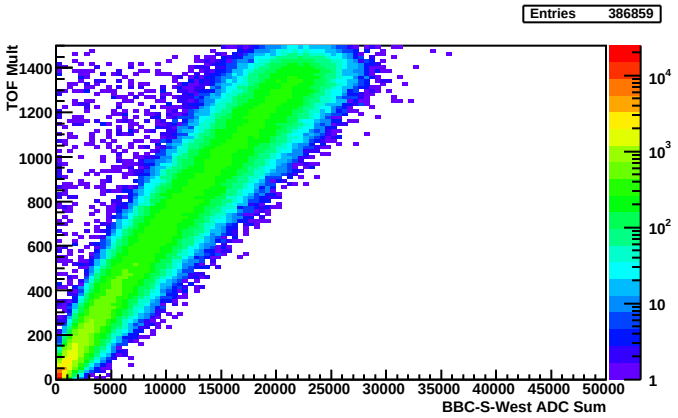

BBQ-VP004 (HI threshold)
Entries 6189744
ADC
QT Input Channel

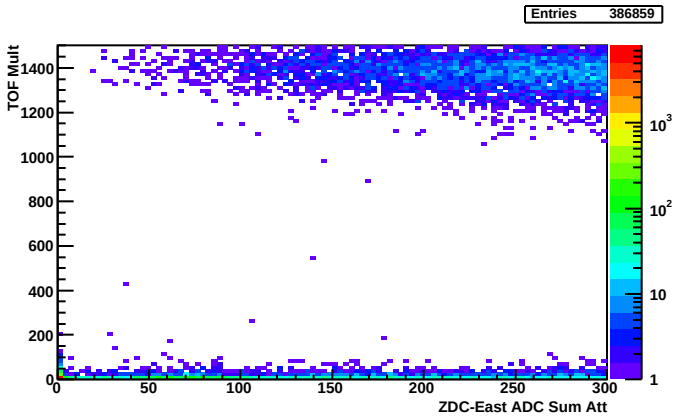

BBQ-VP004 (HI threshold)
Entries 6189744
TAC
QT Input Channel


Entries 386859
TOF Mult
BBC-L-East ADC Sum


Entries 386859
TOF Mult
BBC-L-West ADC Sum


Entries 386859
TOF Mult
BBC-S-East ADC Sum


Entries 386859
TOF Mult
BBC-S-West ADC Sum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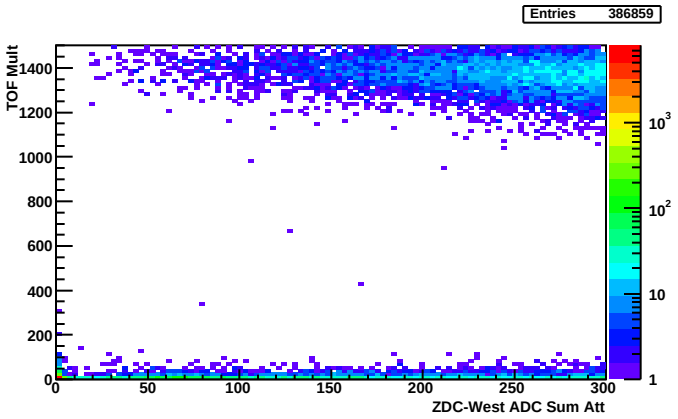
TOF Mult
ZDC-East ADC Sum Att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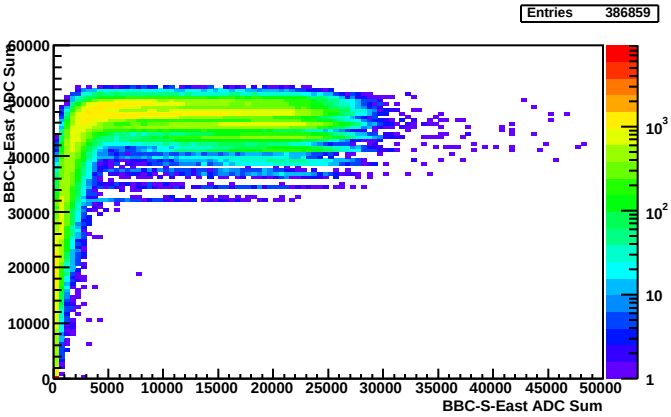
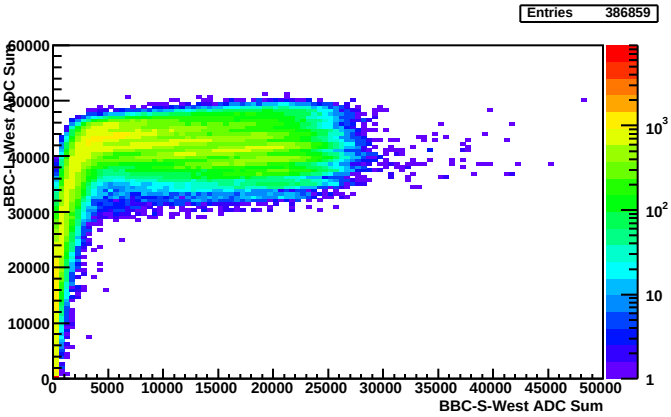
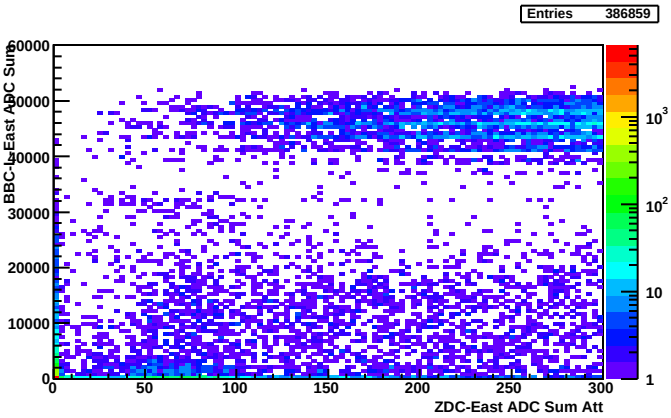
TOF Mult
ZDC-West ADC Sum Att


Entries 386859
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 386859
BBC-L-West ADC Sum
BBC-S-West ADC Sum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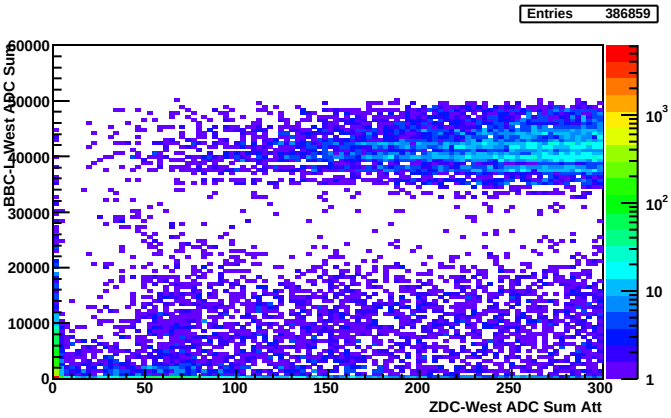
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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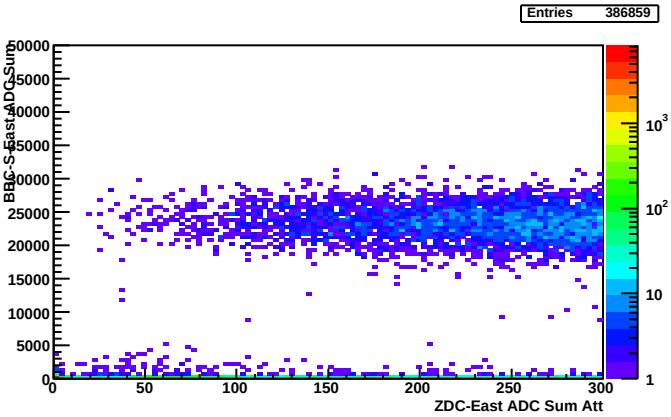
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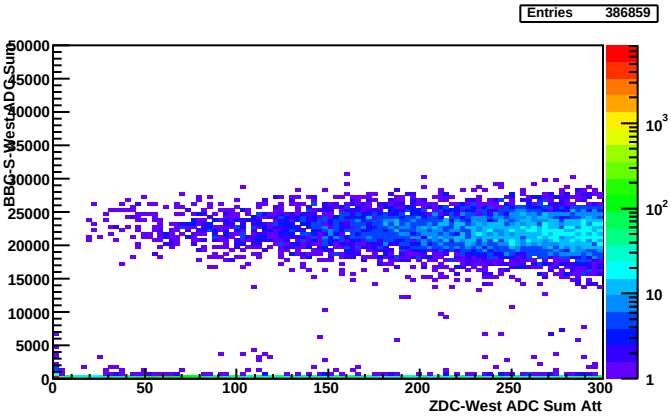
ZDC-East ADC Sum Att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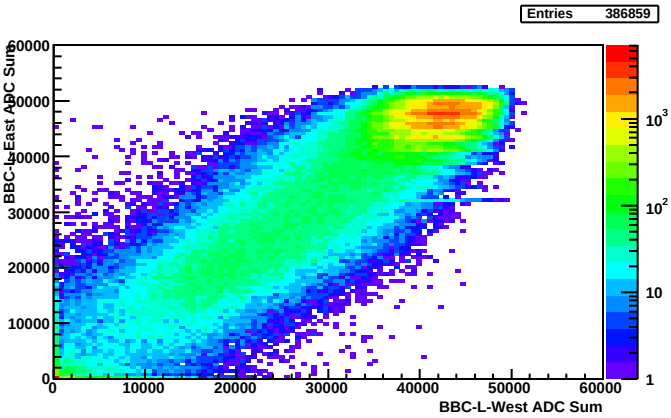
ZDC-West ADC Sum Att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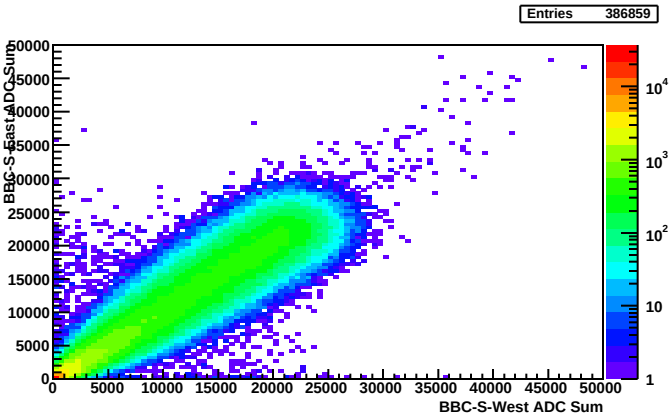
BBC-L-East ADC Sum
BBC-L-West ADC Sum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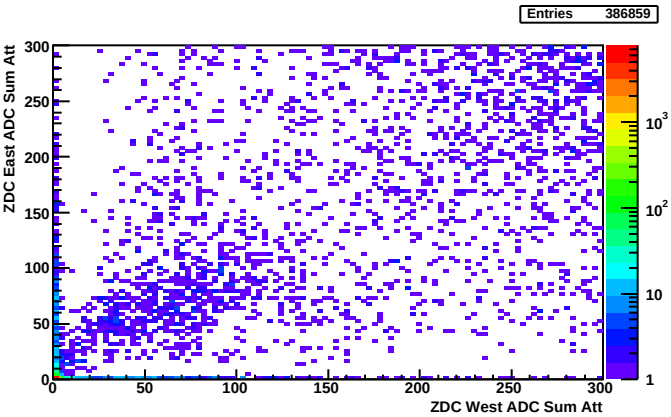
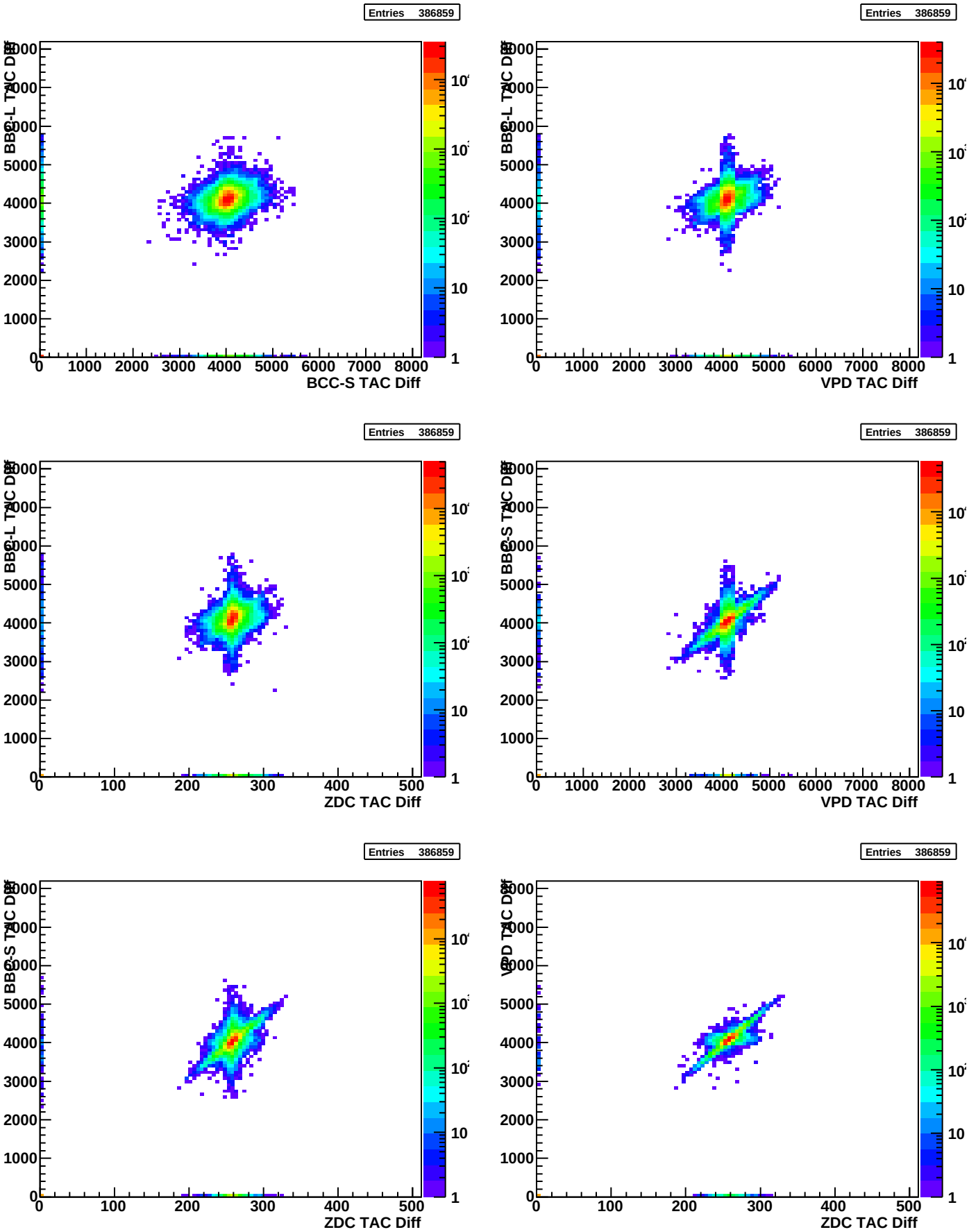
BBC-S-East ADC Sum
BBC-S-West ADC Sum


Entries 386859
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 386859
BBC-L TAC Diff
BCC-S TAC Diff
Entries 386859
BBC-L TAC Diff
VPD TAC Diff
Entries 386859
BBC-L TAC Diff
ZDC TAC Diff
Entries 386859
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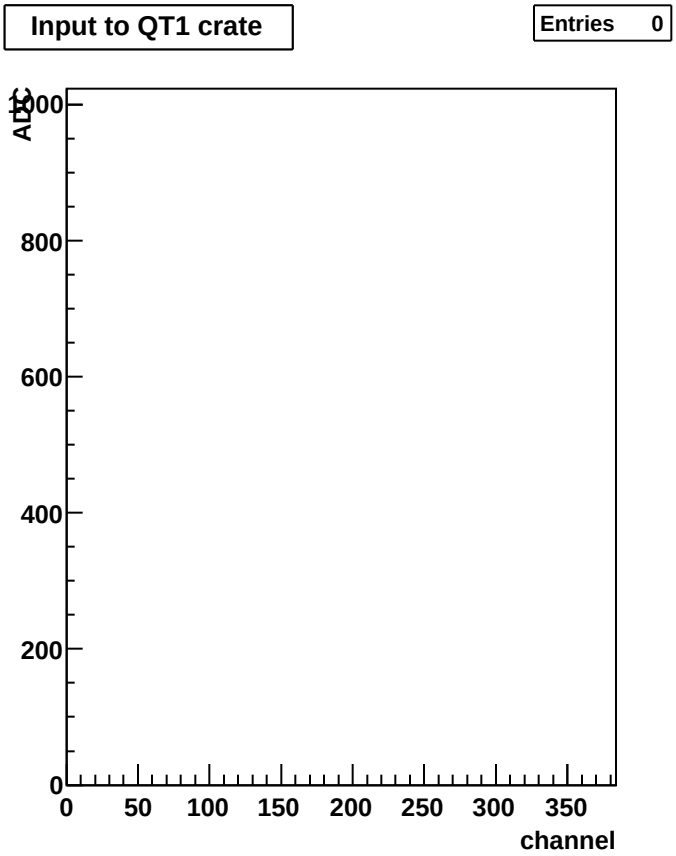
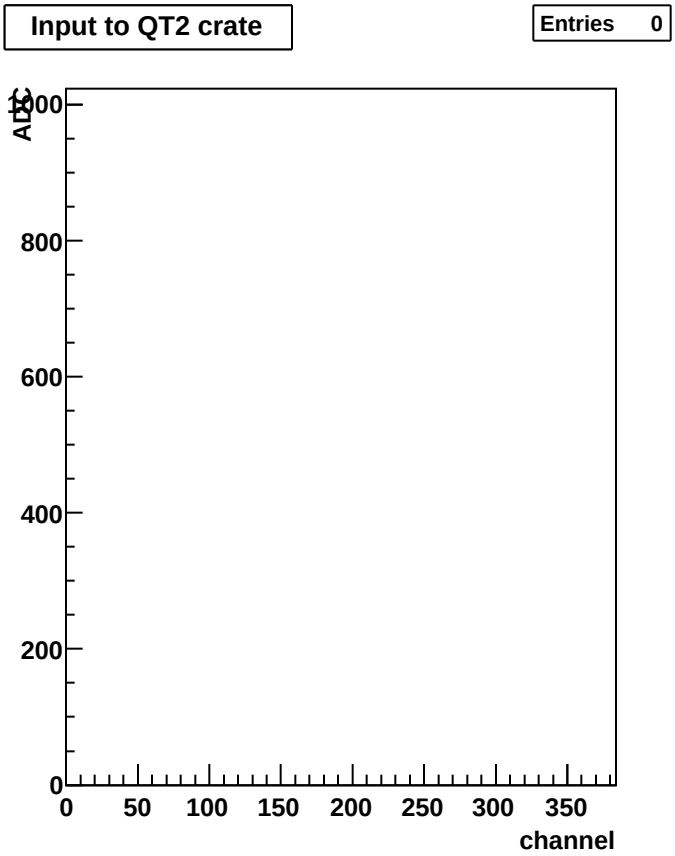
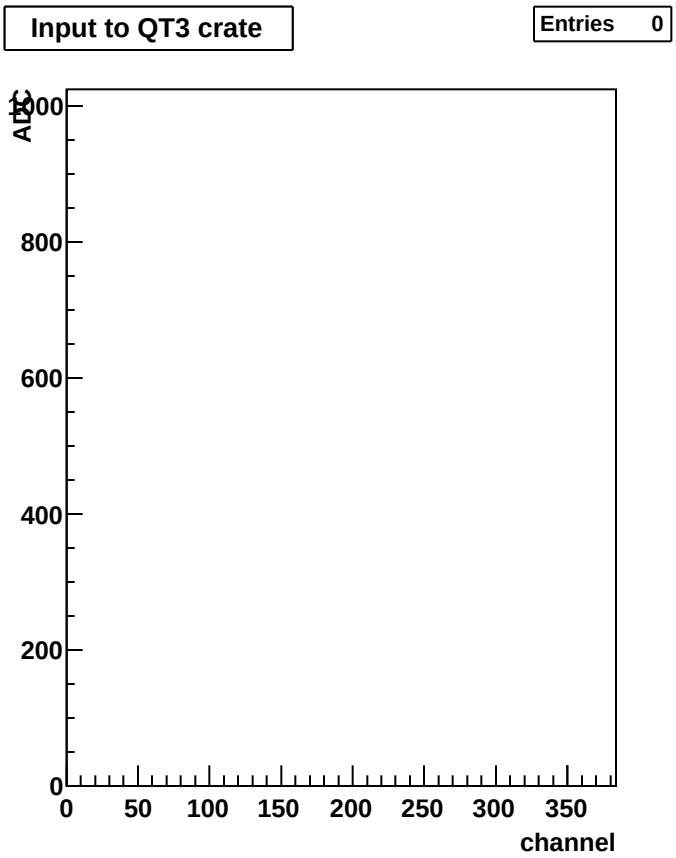
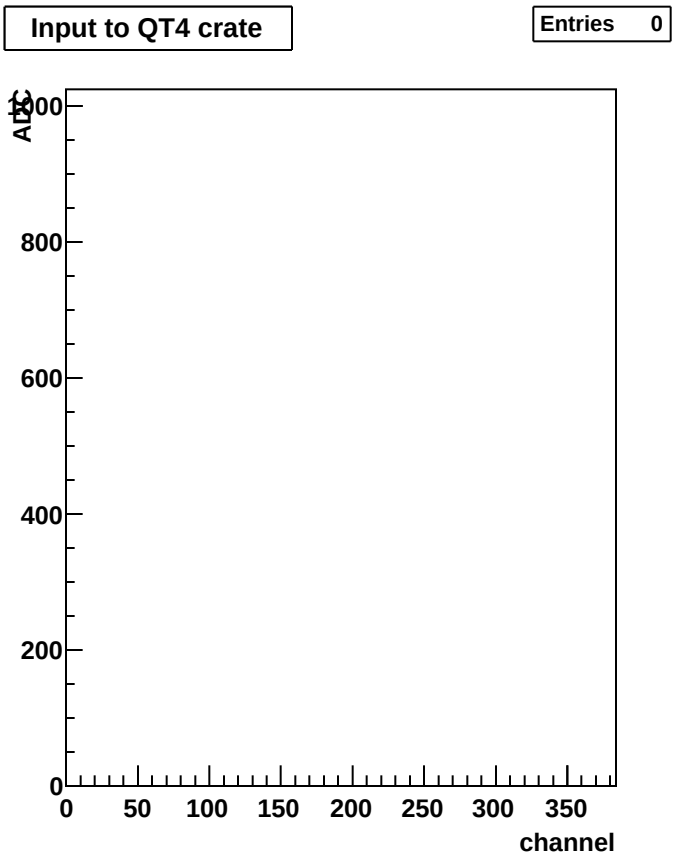
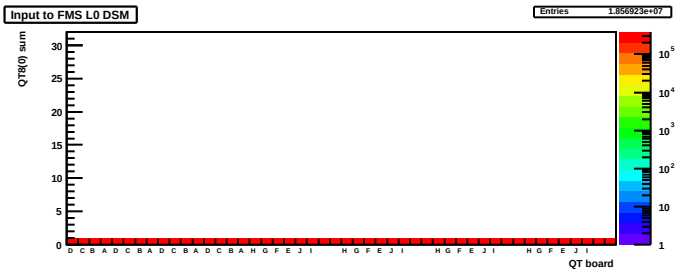
VPD TAC Diff
Entries 386859
BBC-S TAC Diff
ZDC TAC Diff
Entries 386859
VPD TAC Diff
ZDC TAC Diff

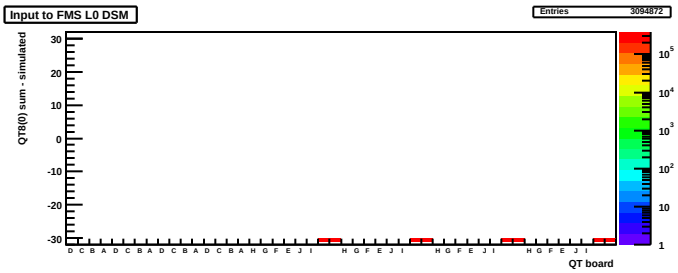

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

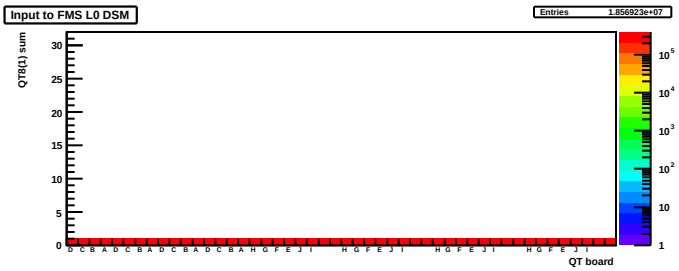

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

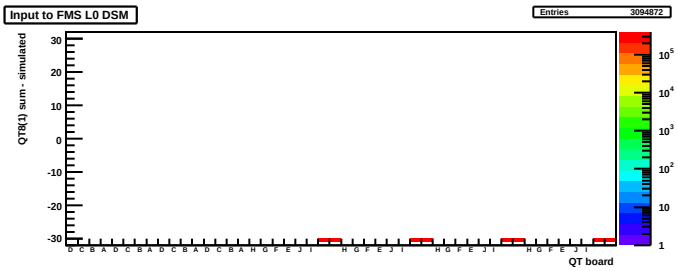

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

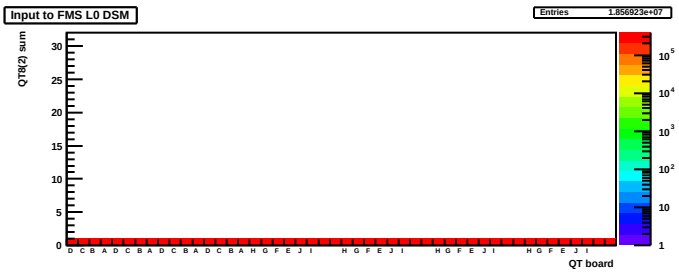

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

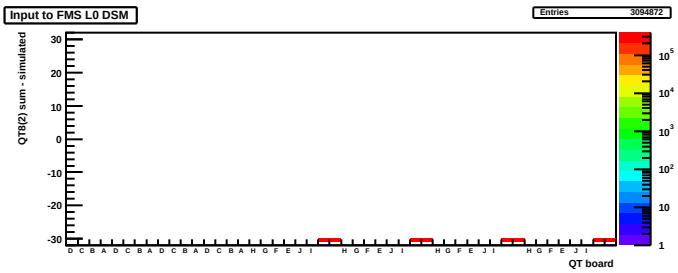

Input to FMS L0 DSM
Entries 1.856923e+07
QT8(0) sum
QT board

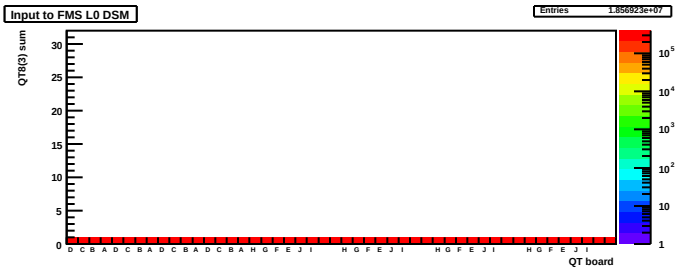

Input to FMS L0 DSM
Entries 3094872
QT8(0) sum - simulated
QT board

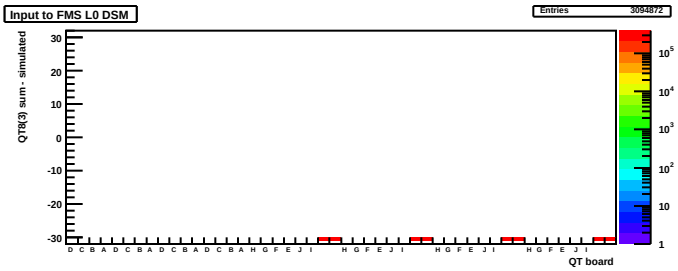

Input to FMS L0 DSM
Entries 1.856923e+07
QT8(1) sum
QT board

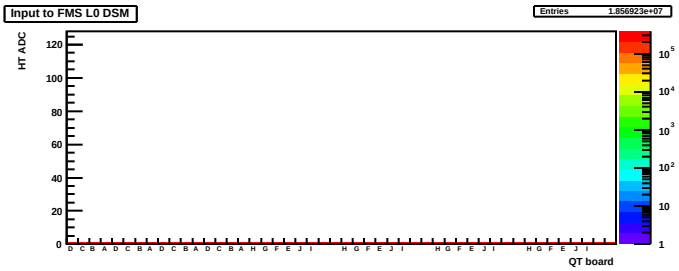

Input to FMS L0 DSM
Entries 3094872
QT8(1) sum - simulated
QT board

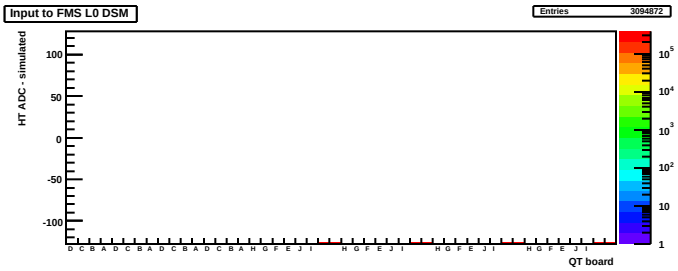

Input to FMS L0 DSM
Entries 1.856923e+07
QT8(2) sum
QT board

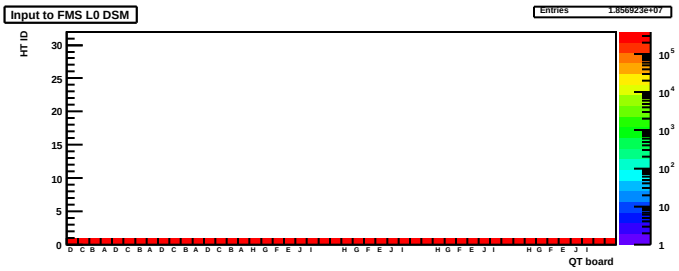

Input to FMS L0 DSM
Entries 3094872
QT8(2) sum - simulated
QT board

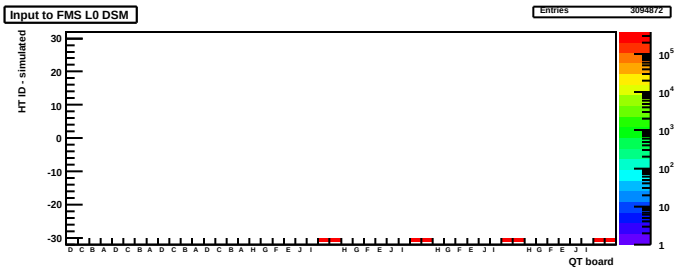

Input to FMS L0 DSM
Entries 1.856923e+07
QT8(3) sum
QT board

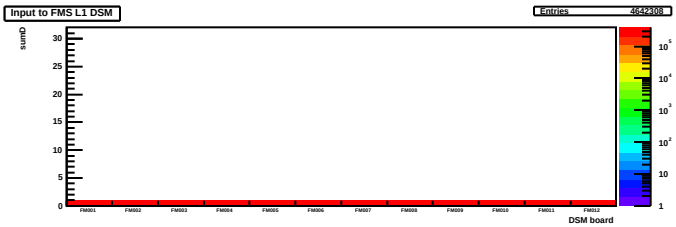

Input to FMS L0 DSM
Entries 3094872
QT8(3) sum - simulated
QT board

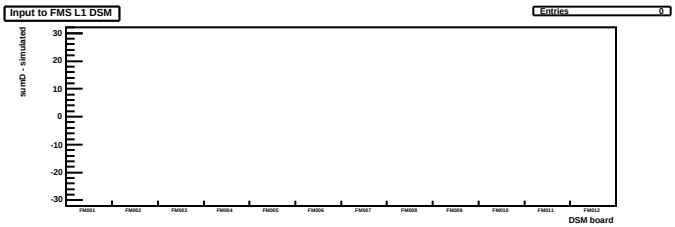

Input to FMS L0 DSM
Entries 1.856923e+07
HT ADC
QT board

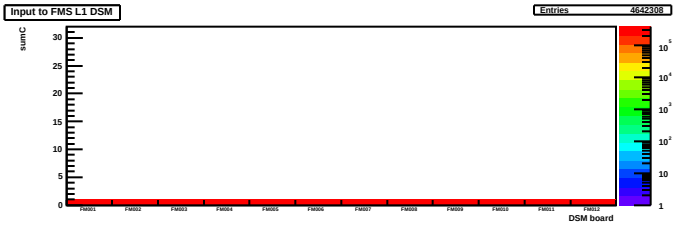

Input to FMS L0 DSM
Entries 3094872
HT ADC - simulated
QT board

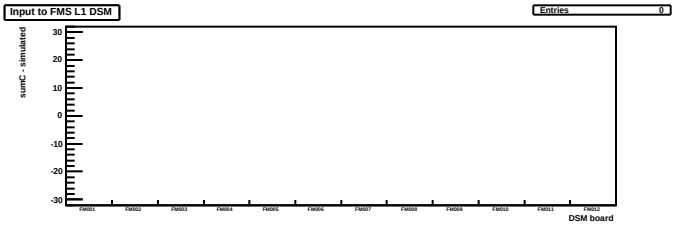

Input to FMS L0 DSM
Entries 1.856923e+07
HT ID
QT board

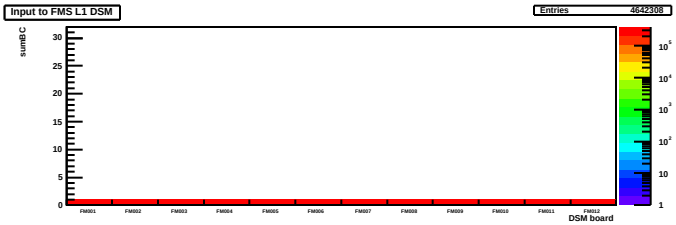

Input to FMS L0 DSM
Entries 3094872
HT ID - simulated
QT board

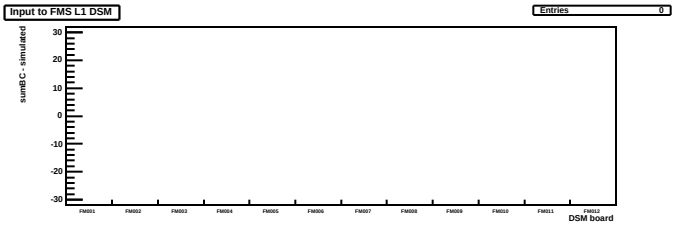

Input to FMS L1 DSM
Entries 4642308
sumD
DSM board

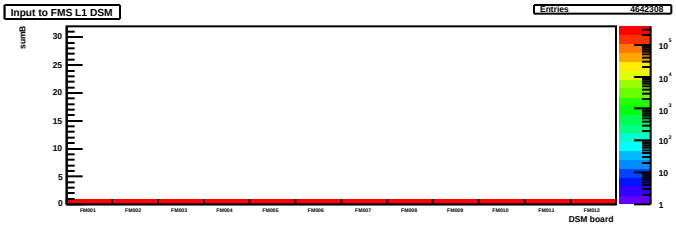

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

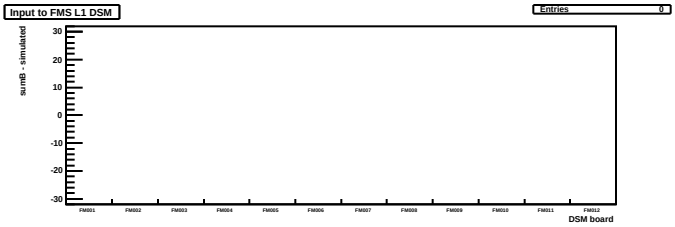

Input to FMS L1 DSM
Entries 4642308
sumC
DSM board

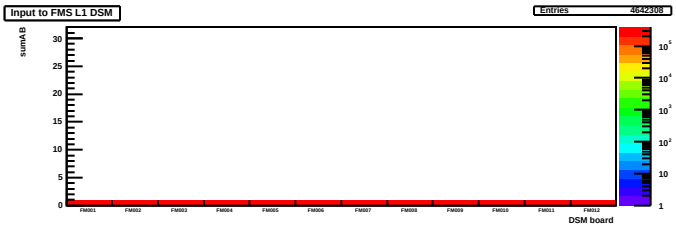

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

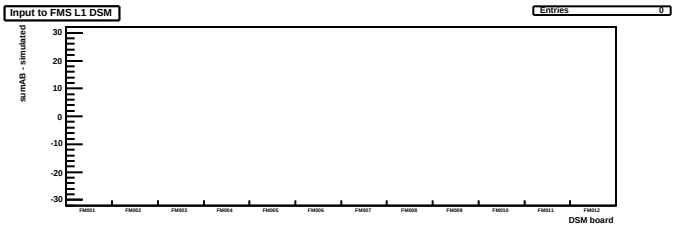

Input to FMS L1 DSM
Entries 4642308
sumBC
DSM board

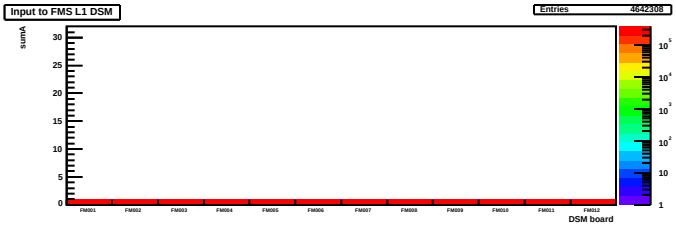

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

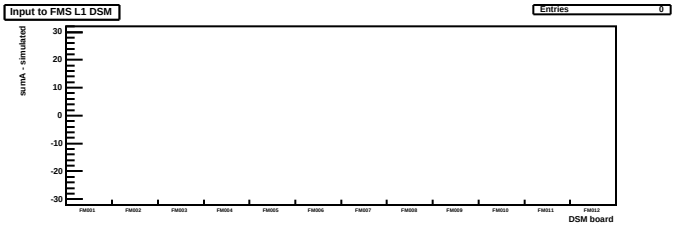

Input to FMS L1 DSM
Entries 4642308
sumB
DSM board

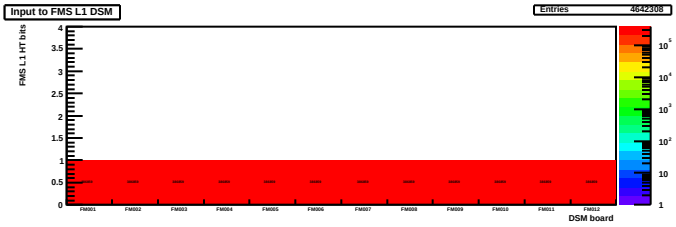

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

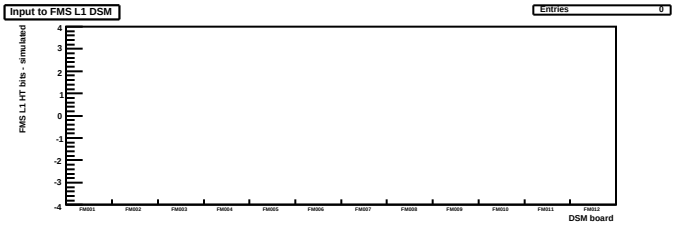

Input to FMS L1 DSM
Entries 4642308
sumAB
DSM board

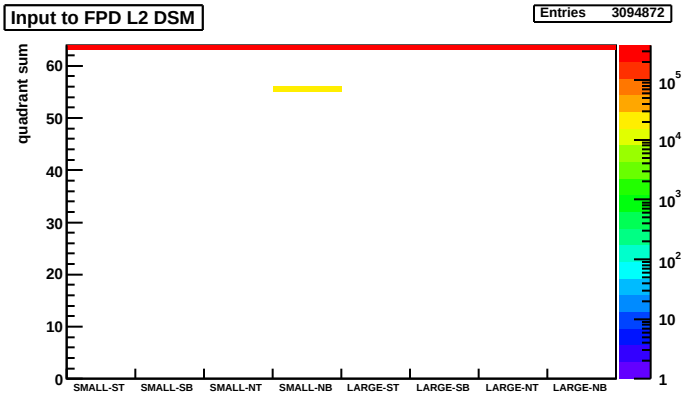

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

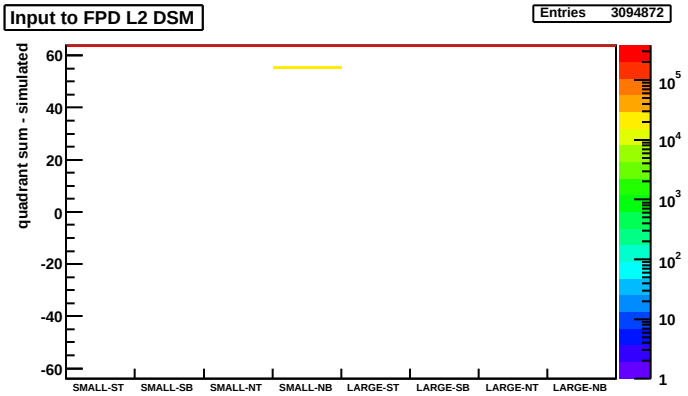

Input to FMS L1 DSM
Entries 4642308
sumA
DSM board

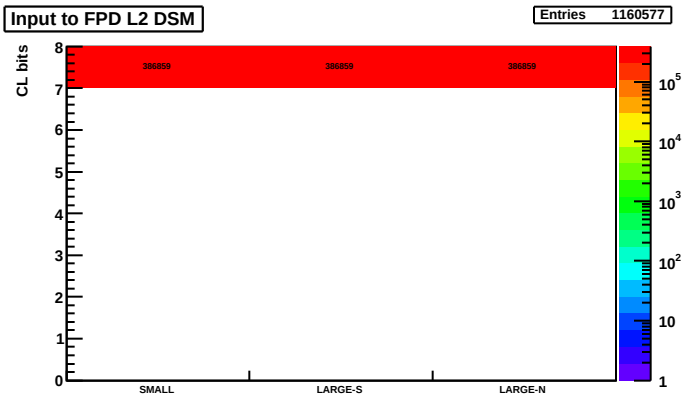

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

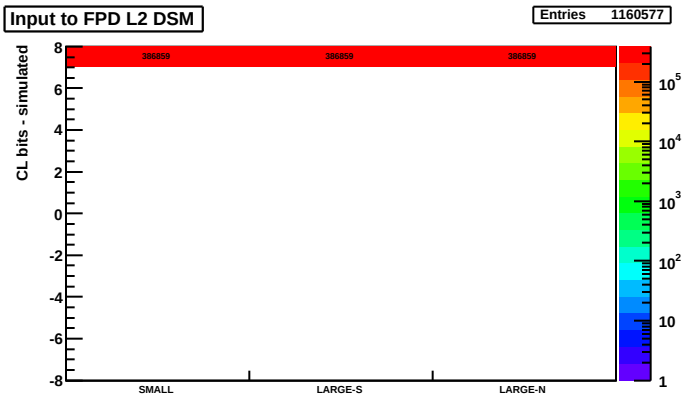

Input to FMS L1 DSM
Entries 4642308
FMS L1 HT bits
DSM board

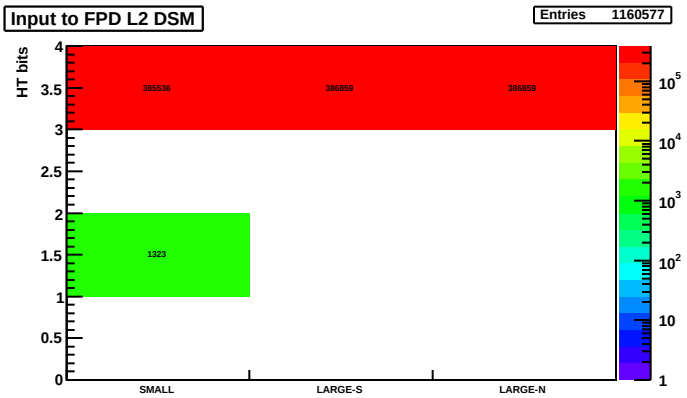

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

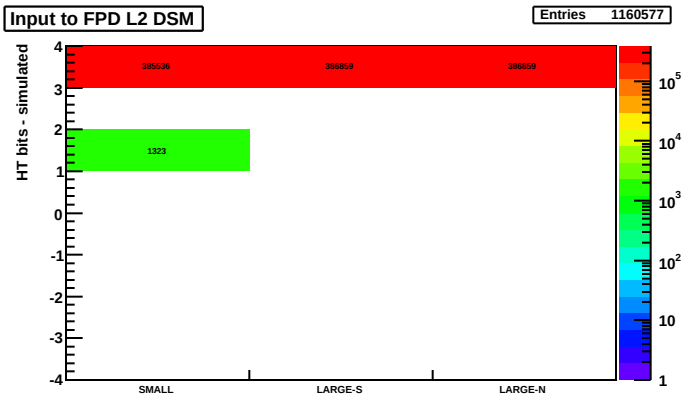

Input to FPD L2 DSM
Entries 3094872
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

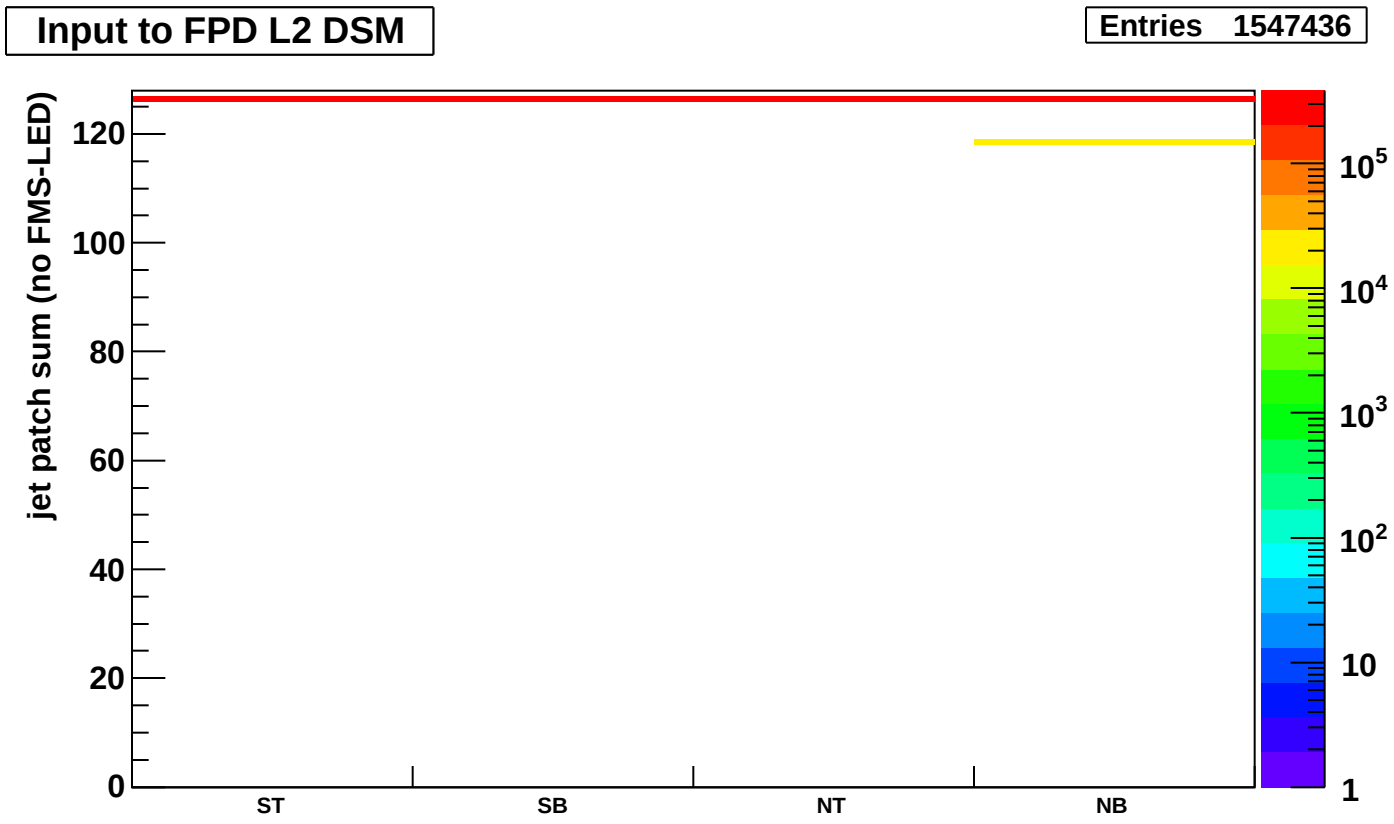

Input to FPD L2 DSM
Entries 3094872
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

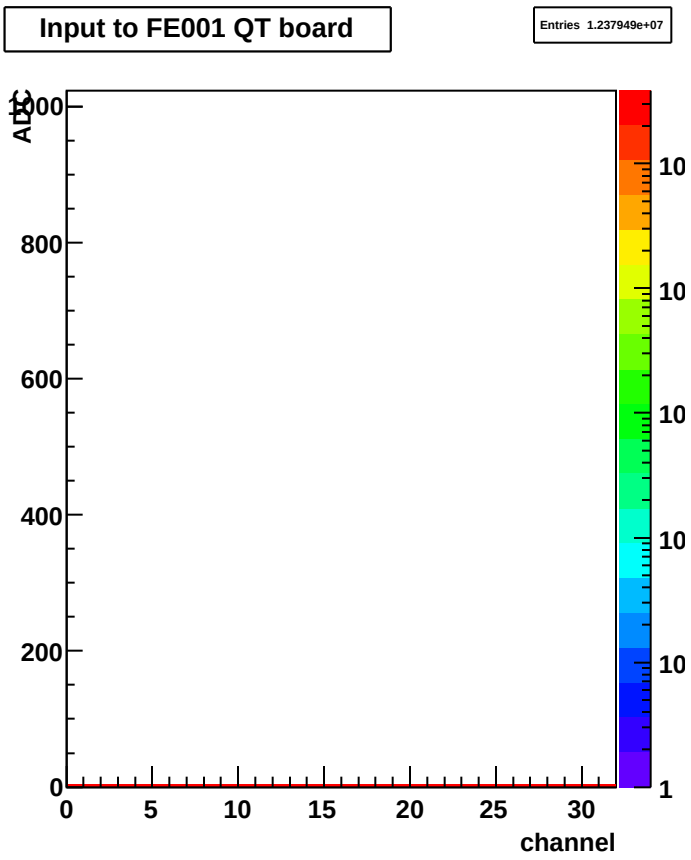

Input to FPD L2 DSM
Entries 1160577
CL bits
386859
386859
386859
SMALL
LARGE-S
LARGE-N

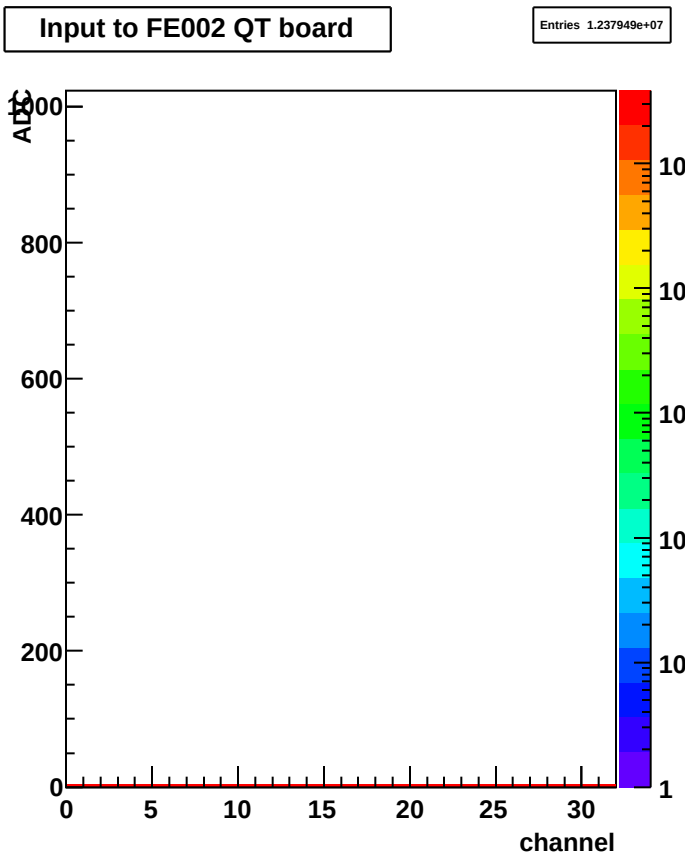

Input to FPD L2 DSM
Entries 1160577
CL bits - simulated
386859
386859
386859
SMALL
LARGE-S
LARGE-N

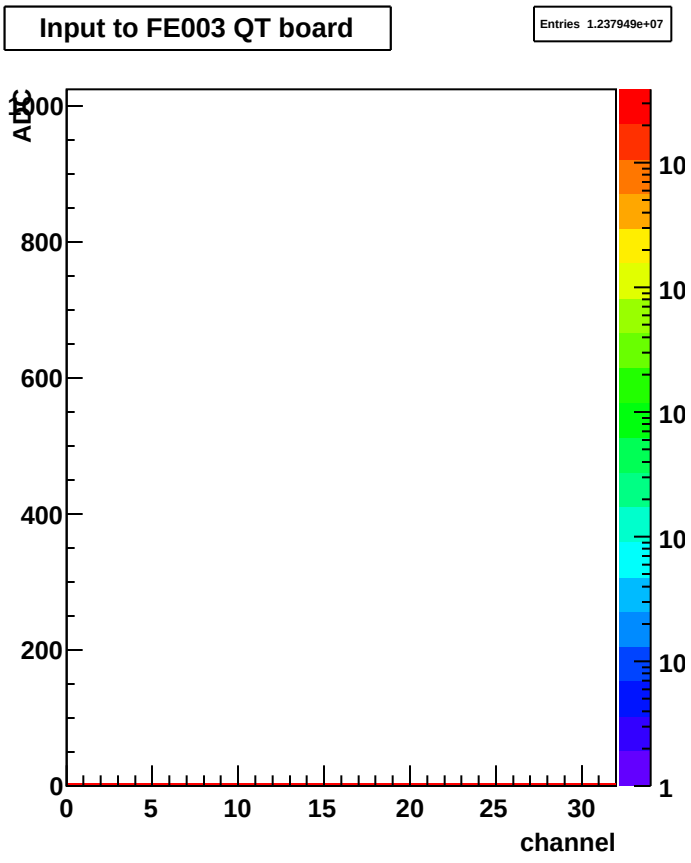

Input to FPD L2 DSM
Entries 1160577
HT bits
385536
386859
386859
1323
SMALL
LARGE-S
LARGE-N

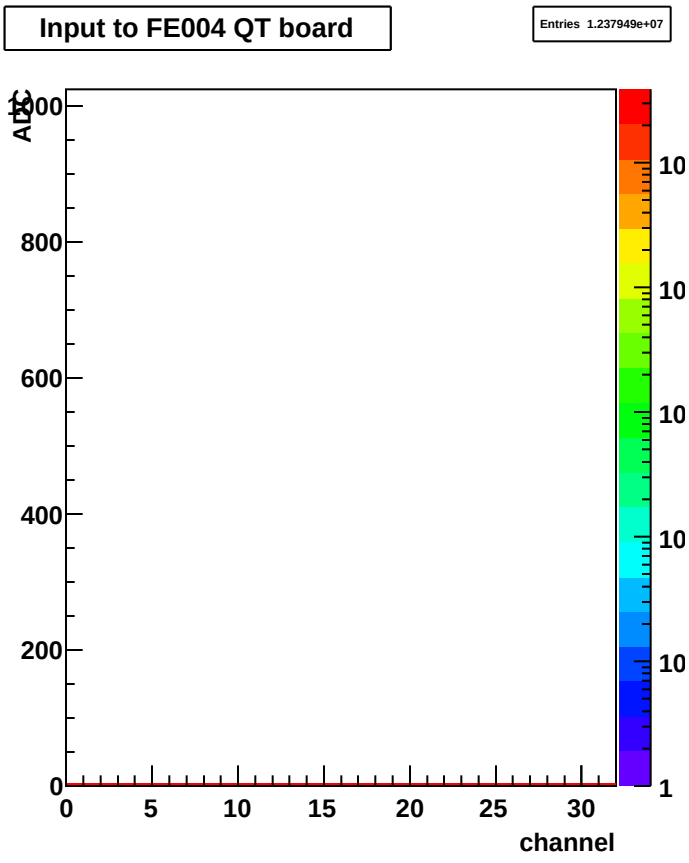

Input to FPD L2 DSM
Entries 1160577
HT bits - simulated
385536
386859
386859
1323
SMALL
LARGE-S
LARGE-N

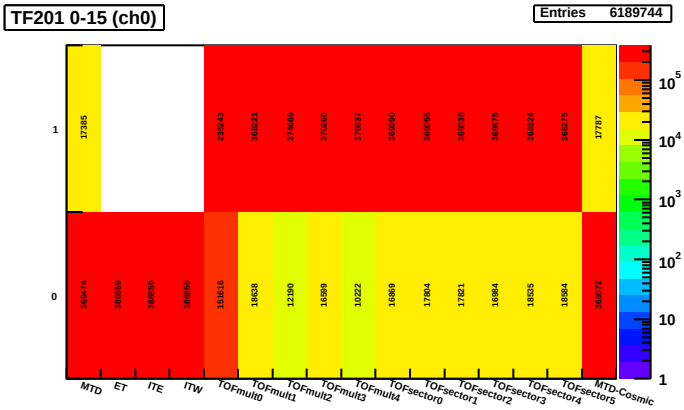

Input to FPD L2 DSM
Entries 1547436
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

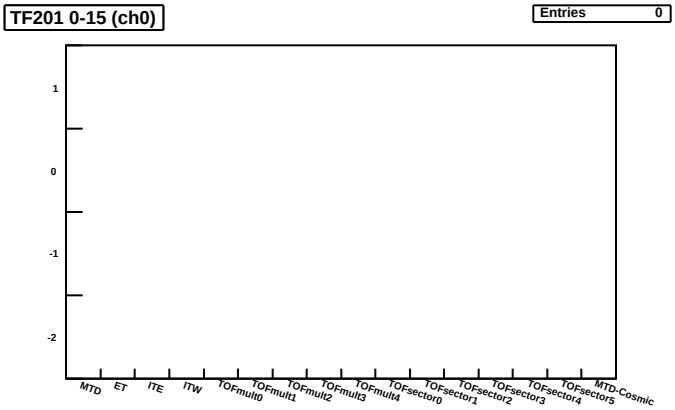

Input to FE001 QT board
Entries 1.237949e+07
ADC
channel

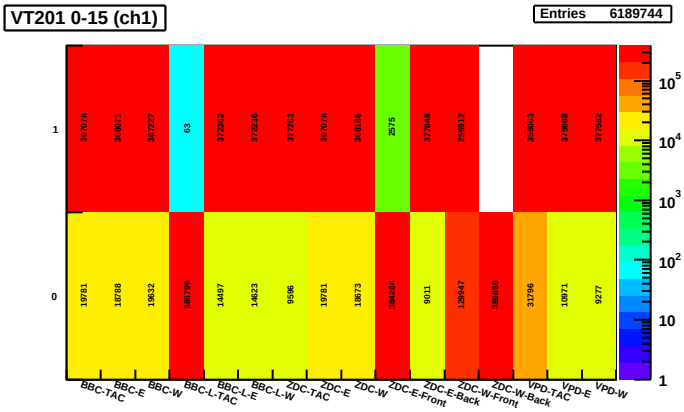

Input to FE002 QT board
Entries 1.237949e+07
ADC
channel

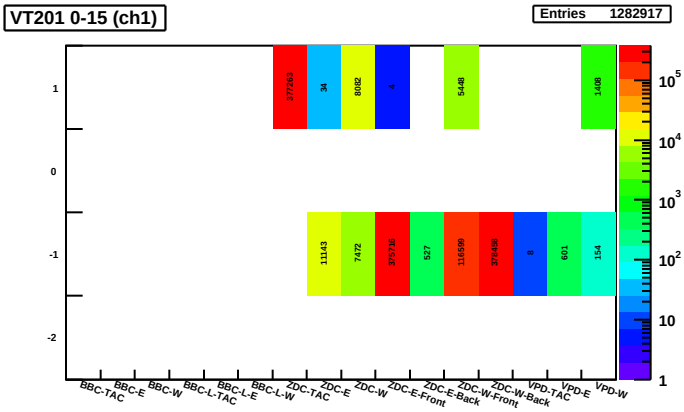

Input to FE003 QT board
Entries 1.237949e+07
ADC
channel

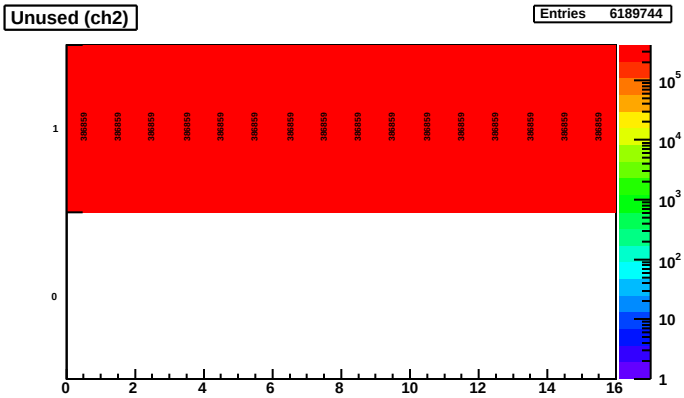

Input to FE004 QT board
Entries 1.237949e+07
ADC
channel

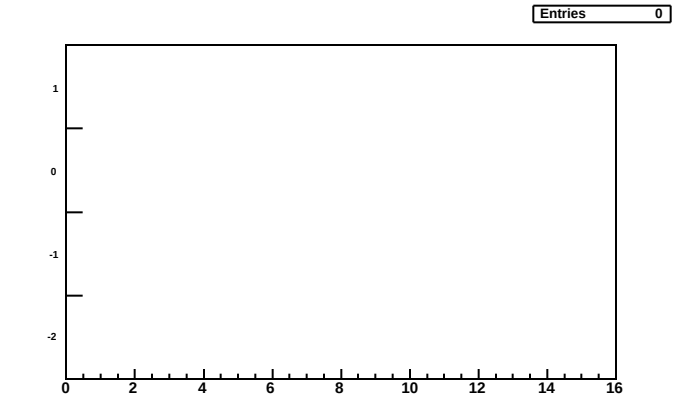

TF201 0-15 (ch0)
Entries 6189744
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

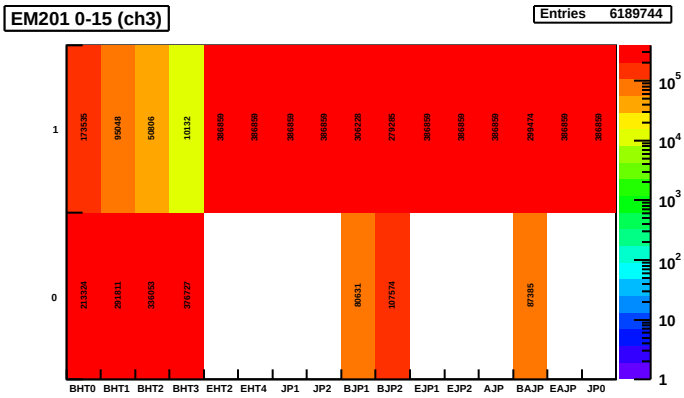

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

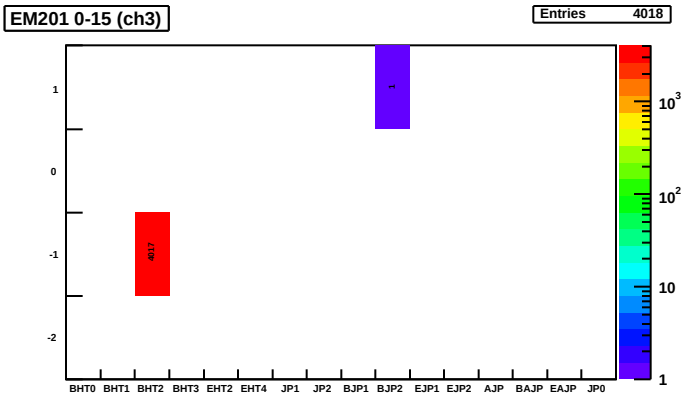

VT201 0-15 (ch1)
Entries 6189744
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1282917
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

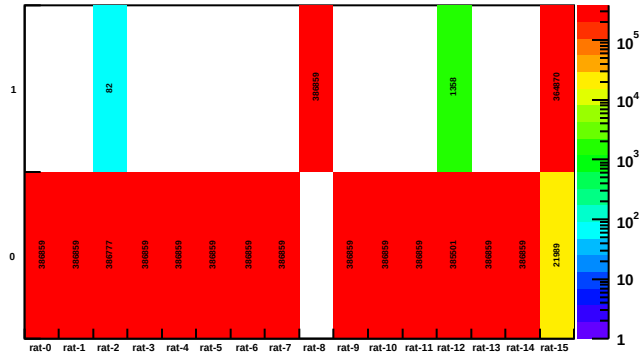

Unused (ch2)
Entries 6189744

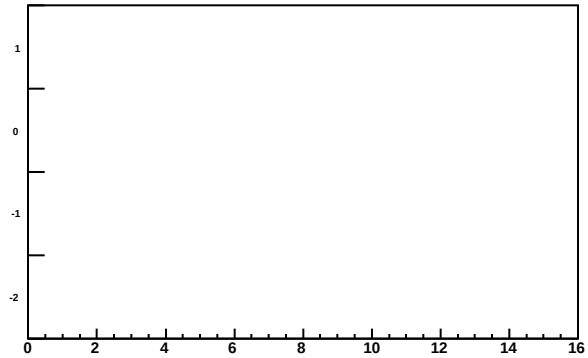

Entries 0


EM201 0-15 (ch3)
Entries 6189744
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

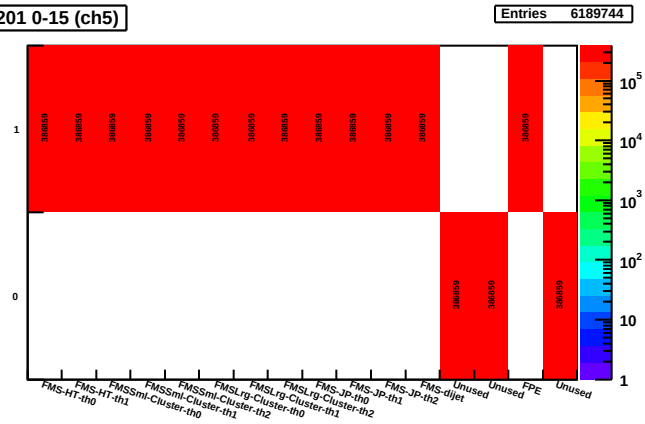

EM201 0-15 (ch3)
Entries 4018
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

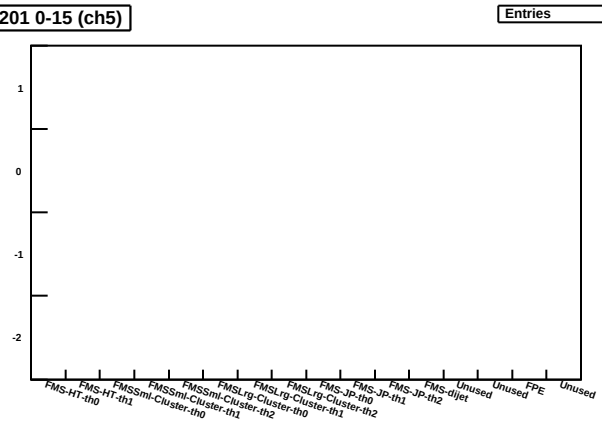




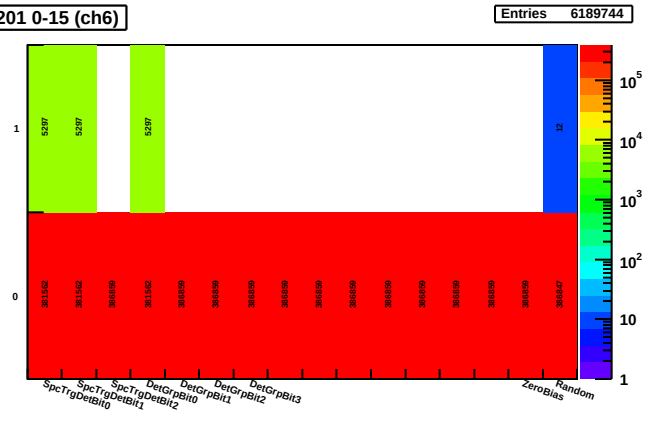
FP201 0-15 (ch5)

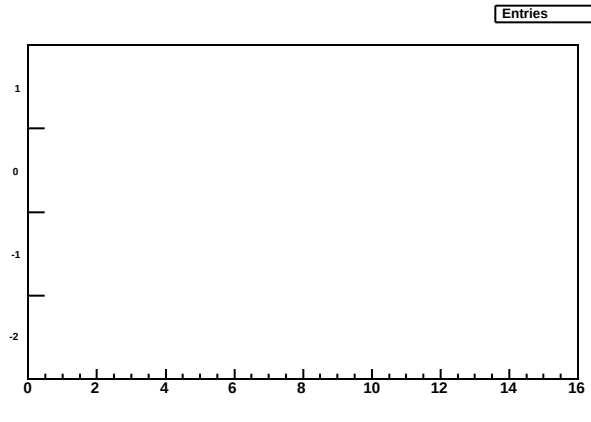
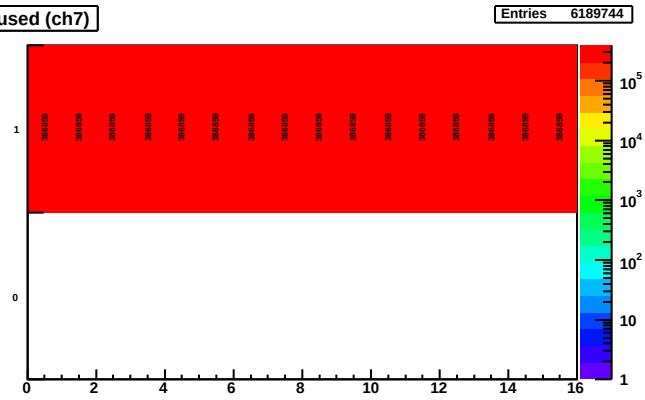
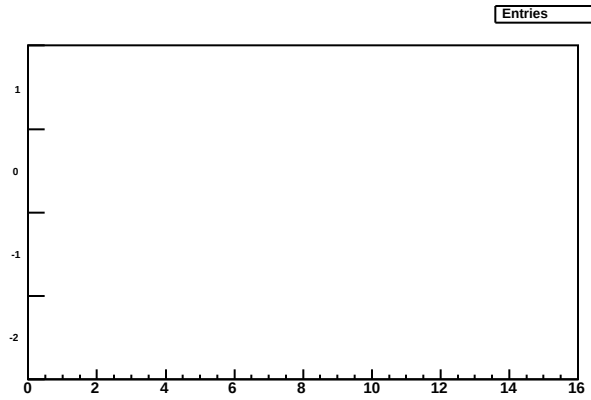


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)