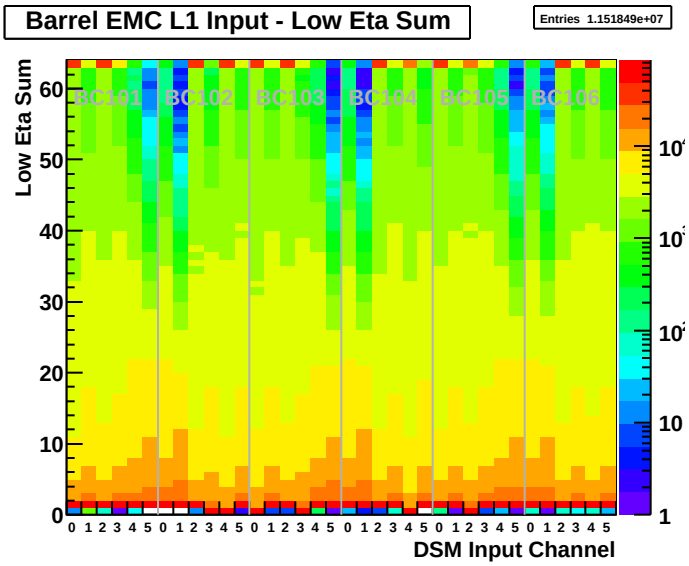
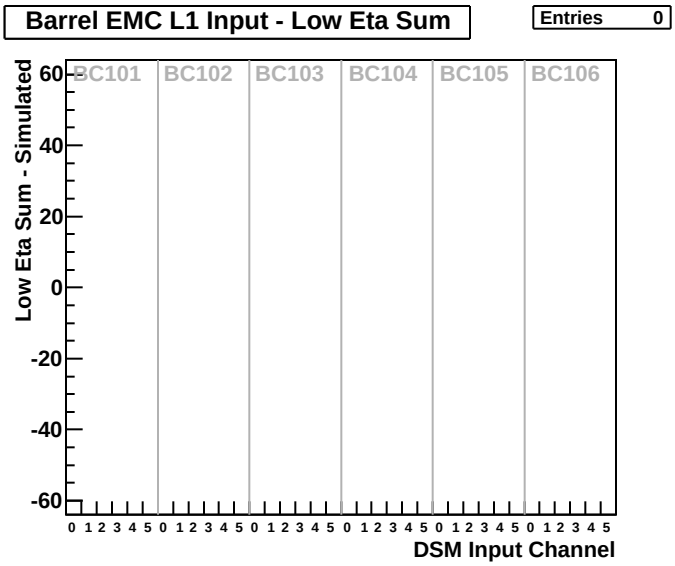
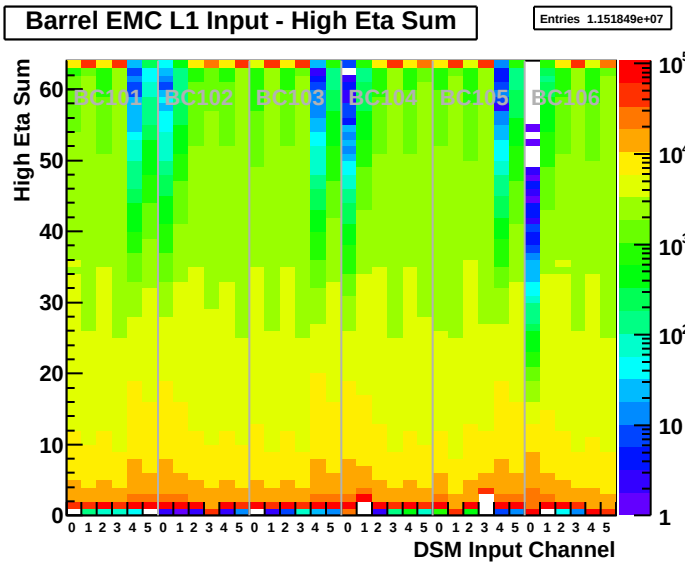
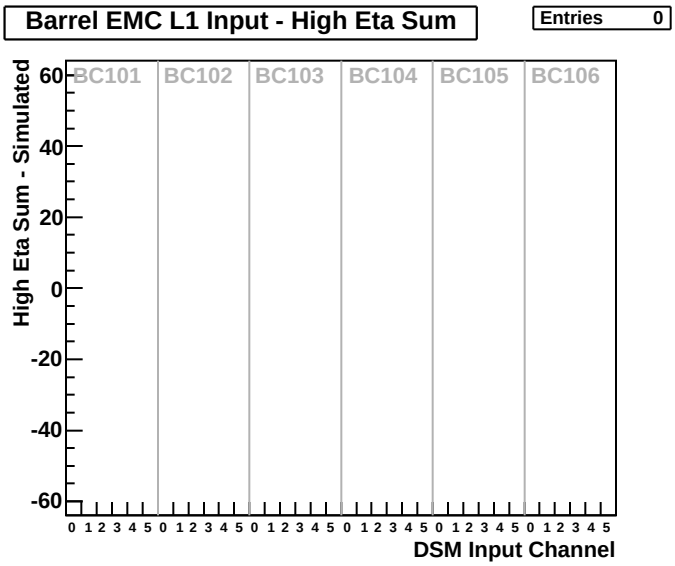
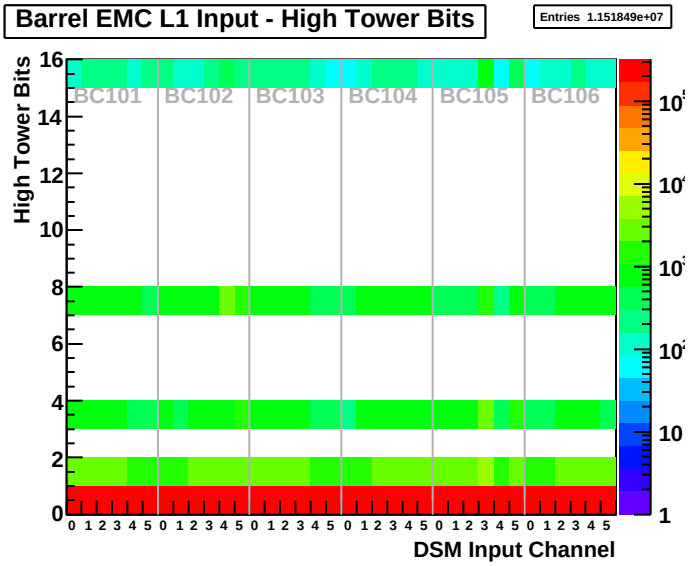
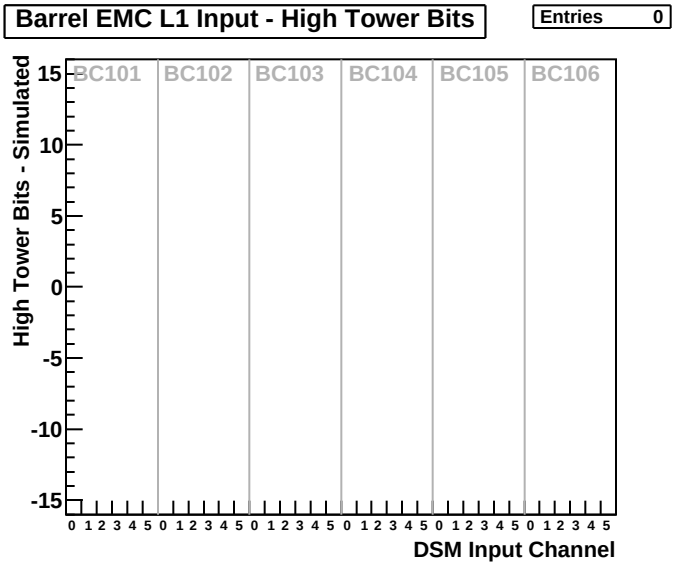

Barrel EMC L1 Input - Low Eta Sum
Entries 1.151849e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

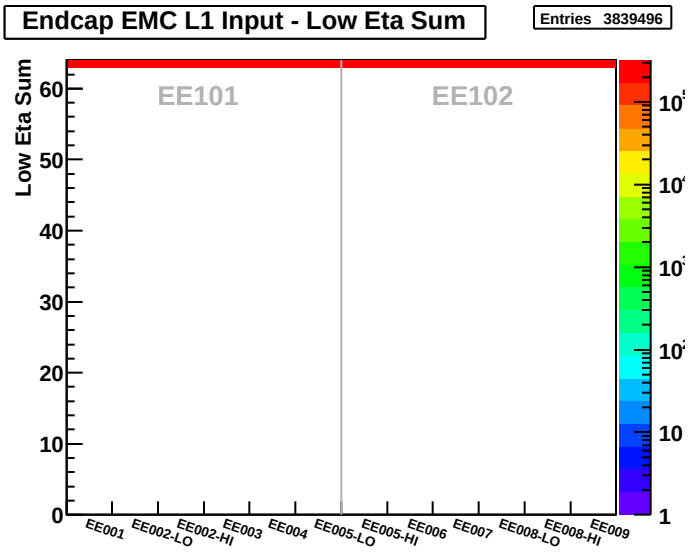

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

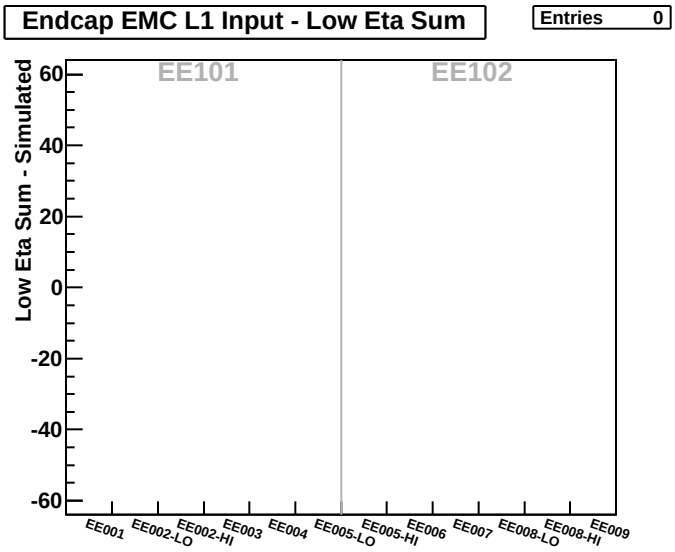

Barrel EMC L1 Input - High Eta Sum
Entries 1.151849e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

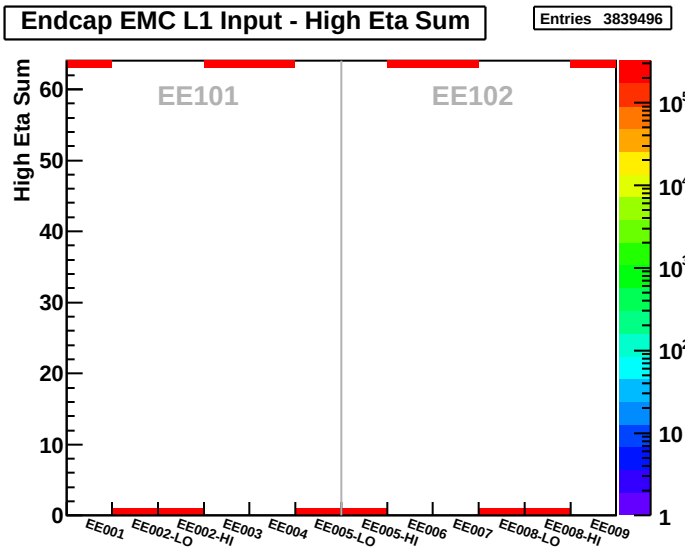

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

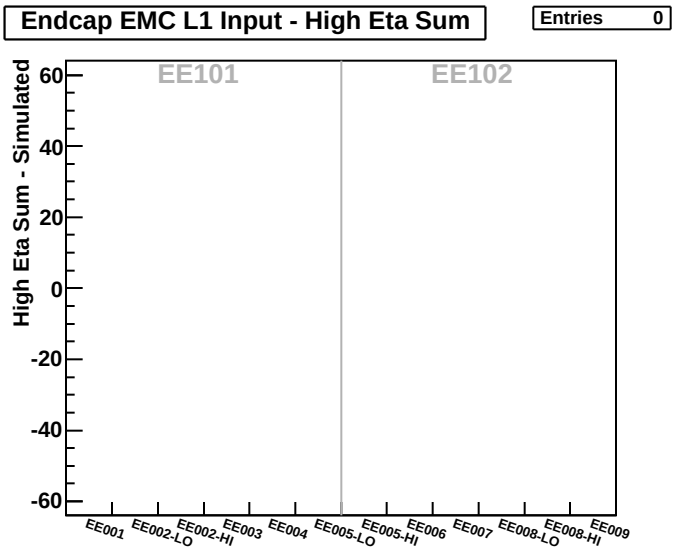

Barrel EMC L1 Input - High Tower Bits
Entries 1.151849e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

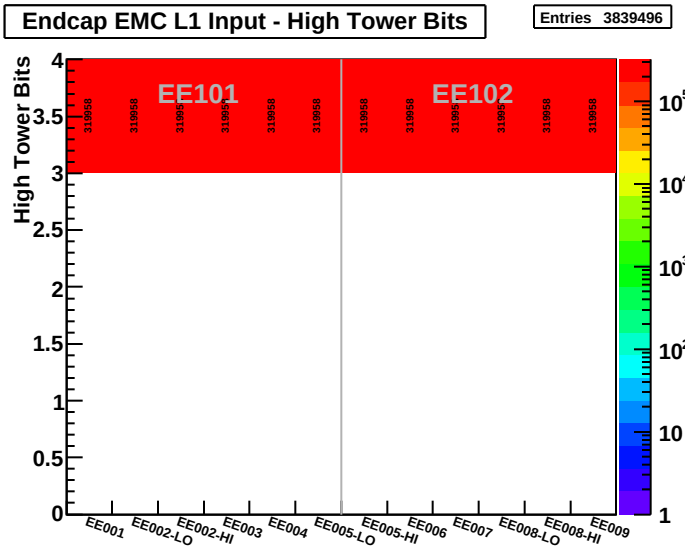

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

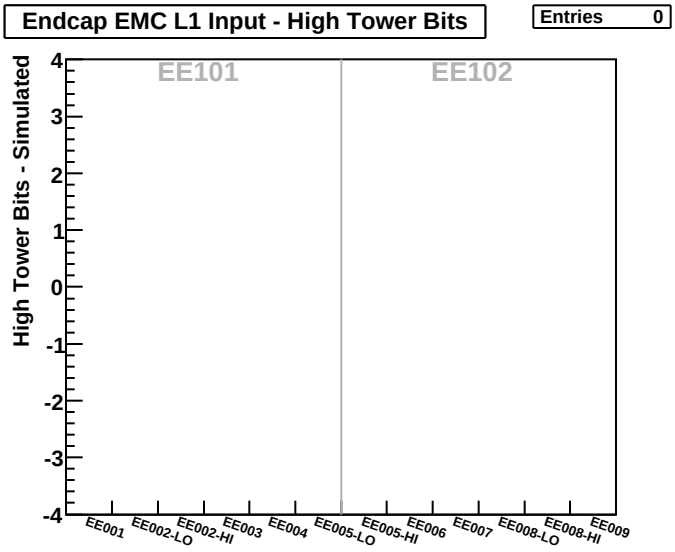

Endcap EMC L1 Input - Low Eta Sum
Entries 3839496
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

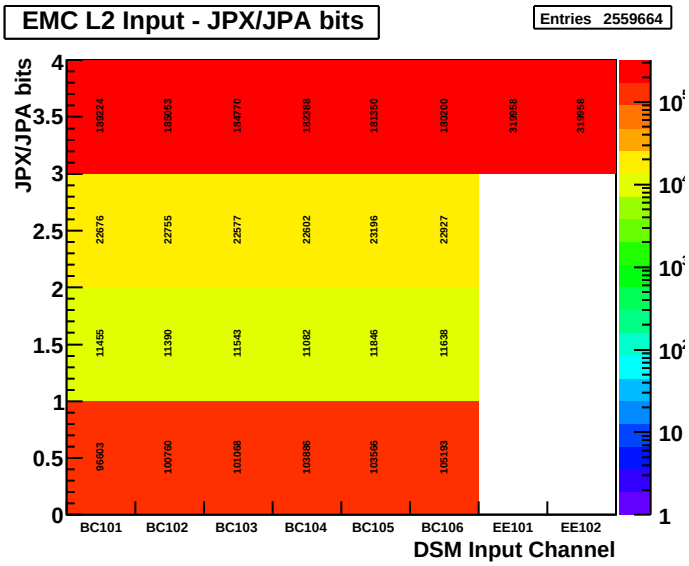

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

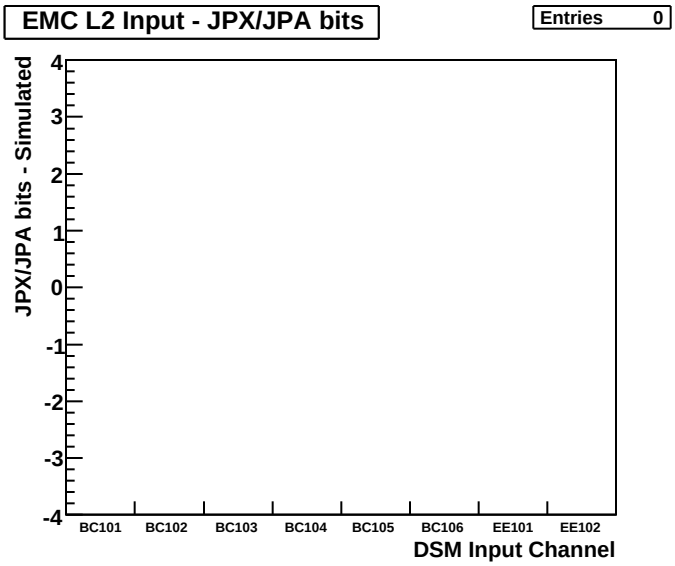

Endcap EMC L1 Input - High Eta Sum
Entries 3839496
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

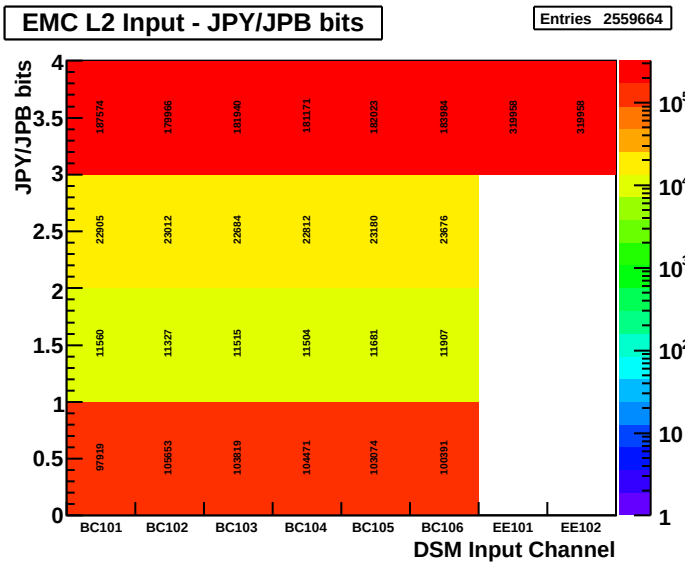

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

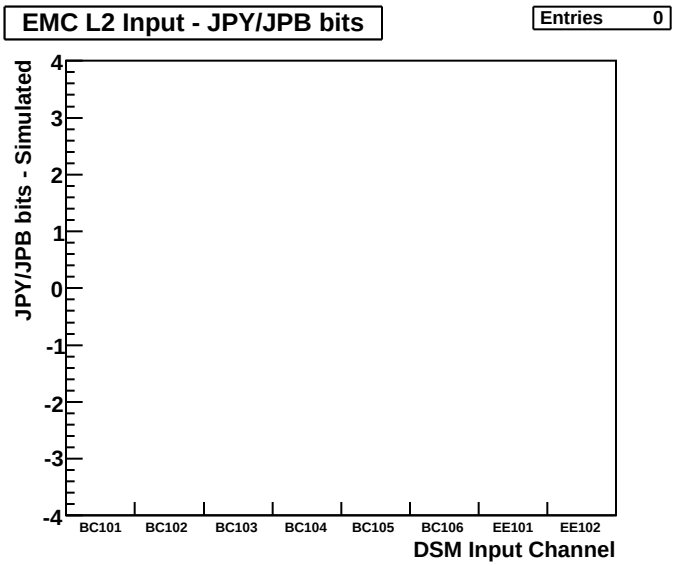

Endcap EMC L1 Input - High Tower Bits
Entries 3839496
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

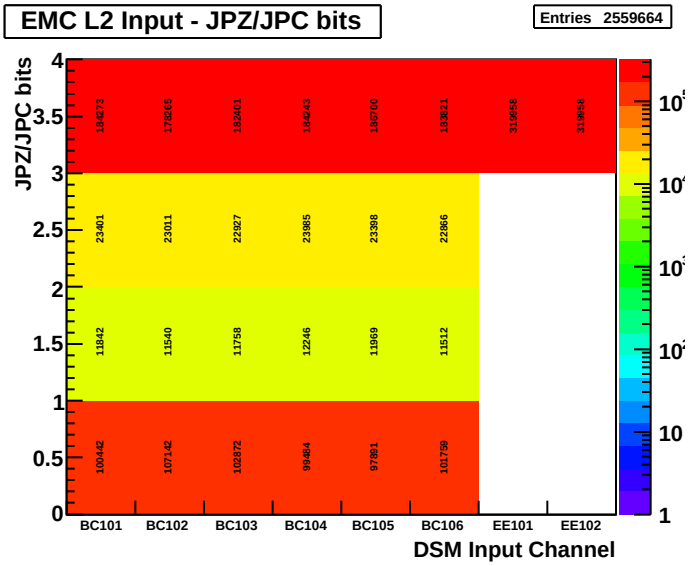

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

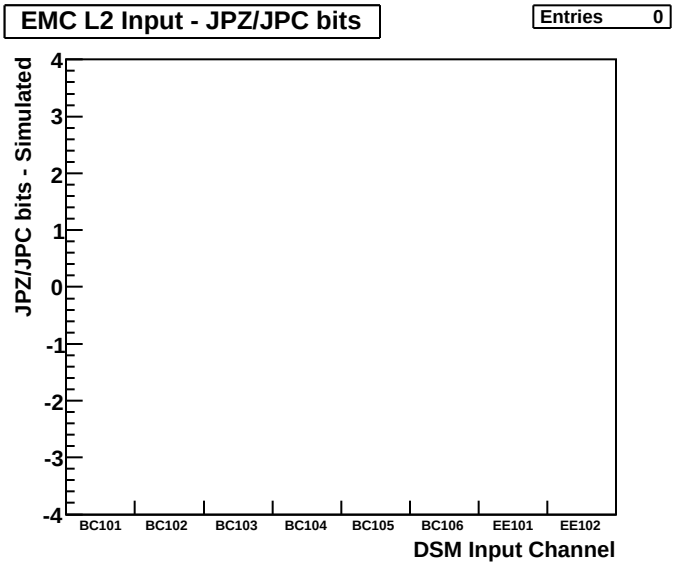

EMC L2 Input - JPX/JPA bits
Entries 2559664
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
189224 185053 184770 182388 181350 180200 319958 319958
22676 22755 22577 22602 23196 22927
11455 11390 11543 11062 11846 11638
96603 100760 101068 103886 103566 105193

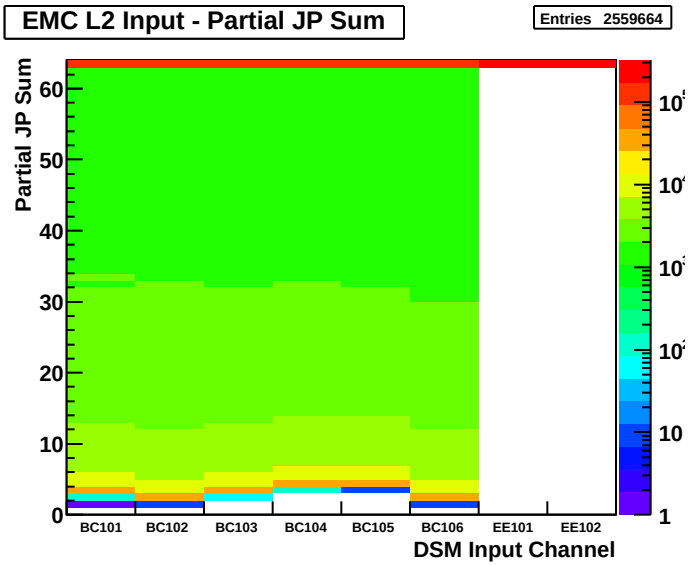

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

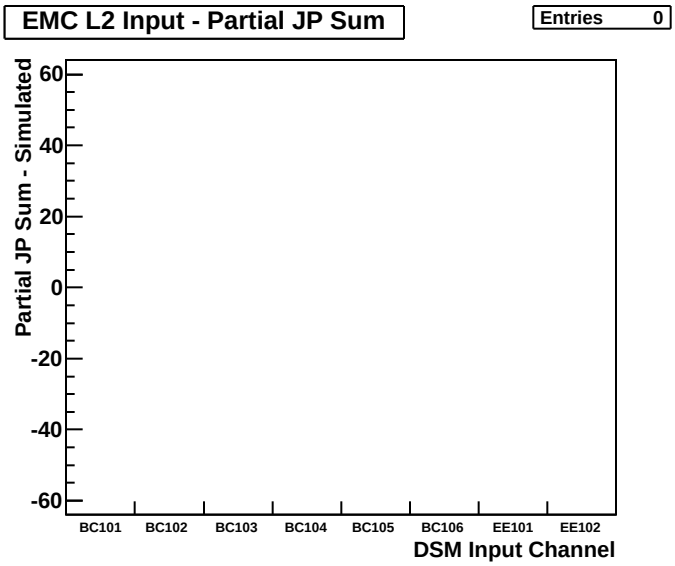

EMC L2 Input - JPY/JPB bits
Entries 2559664
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
187574 179966 181940 181171 182023 183984 319958 319958
22905 23012 22684 22812 23180 23676
11560 11327 11515 11504 11681 11907
97919 105653 103819 104471 103074 100391

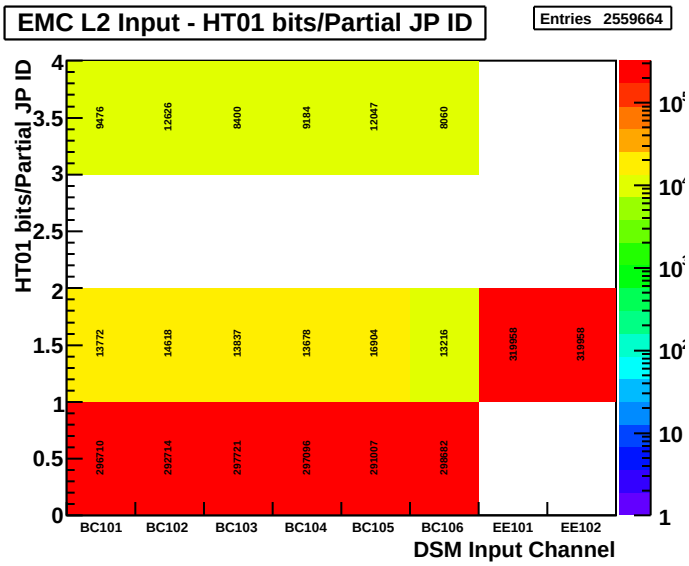

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

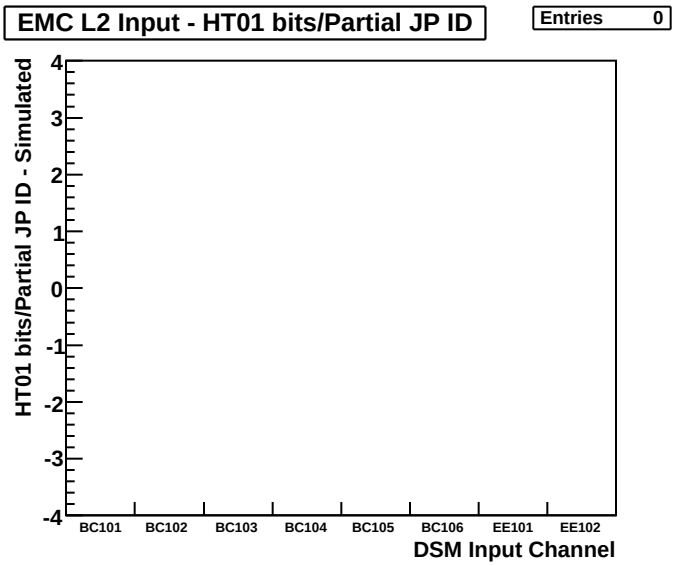

EMC L2 Input - JPZ/JPC bits
Entries 2559664
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
184273 178265 182401 184243 186700 183821 319958 319958
23401 23011 22827 23985 23398 22866
11842 11540 11758 12246 11969 11512
100442 107142 102872 99484 97891 101759

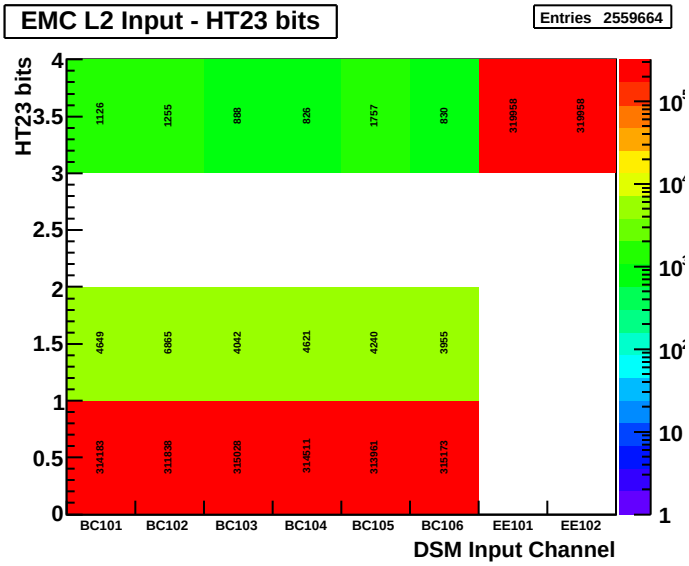

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

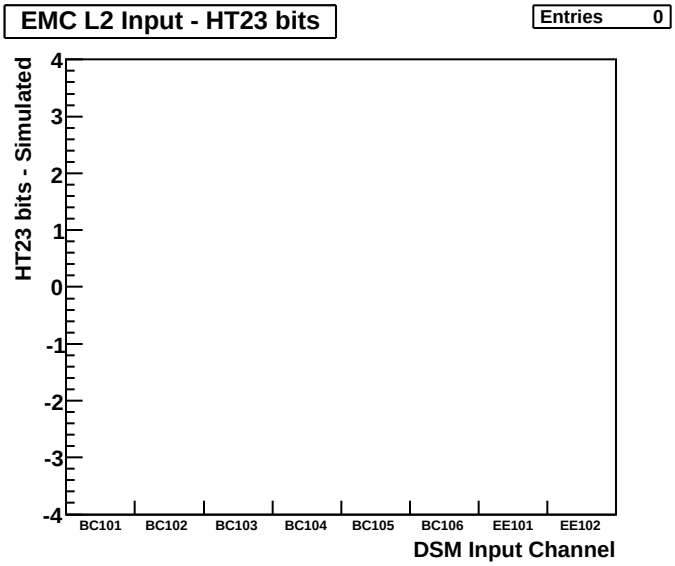

EMC L2 Input - Partial JP Sum
Entries 2559664
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

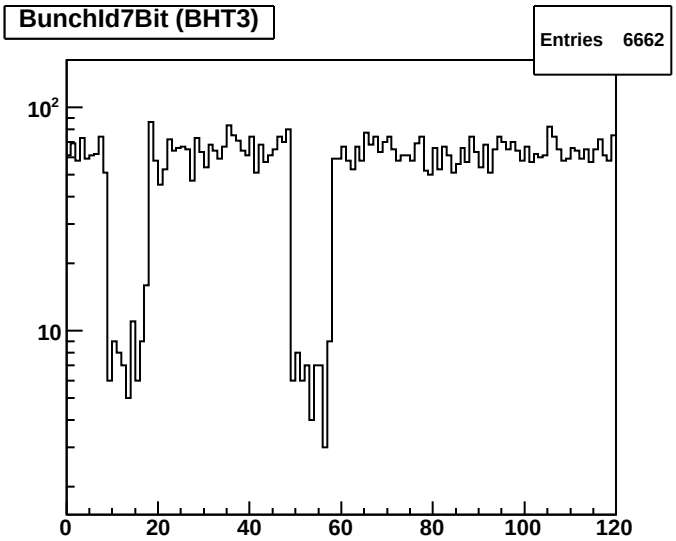

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

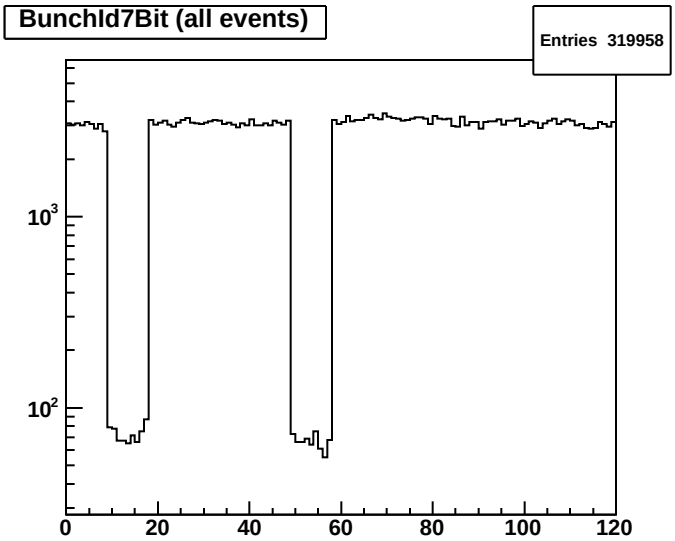

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2559664
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

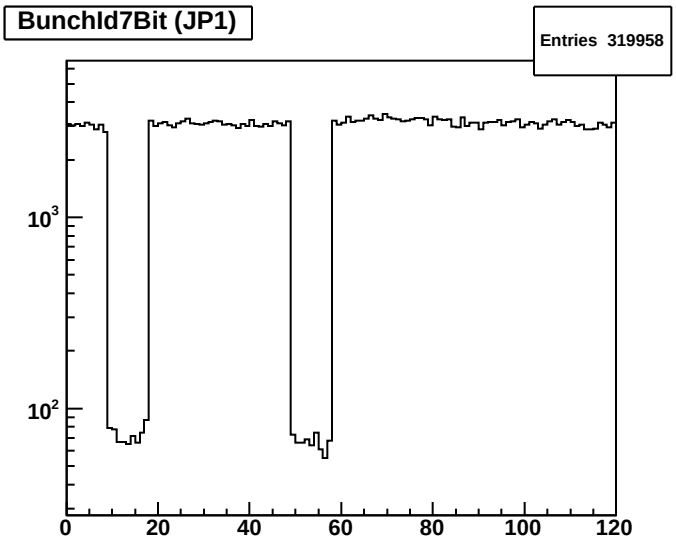

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

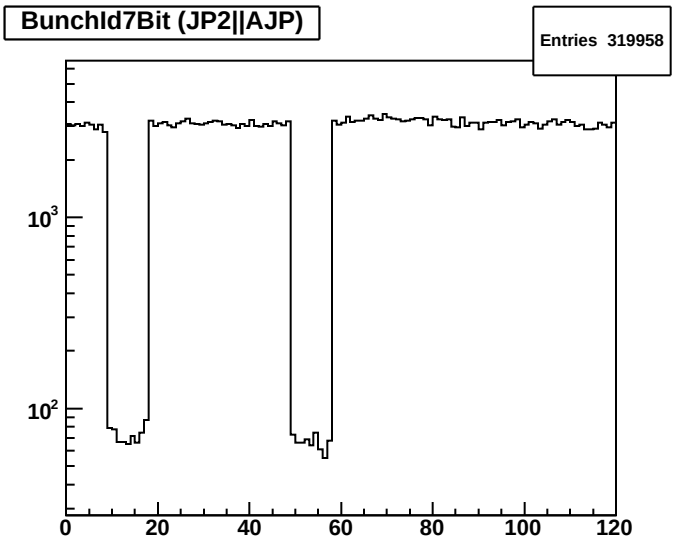

EMC L2 Input - HT23 bits
Entries 2559664
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

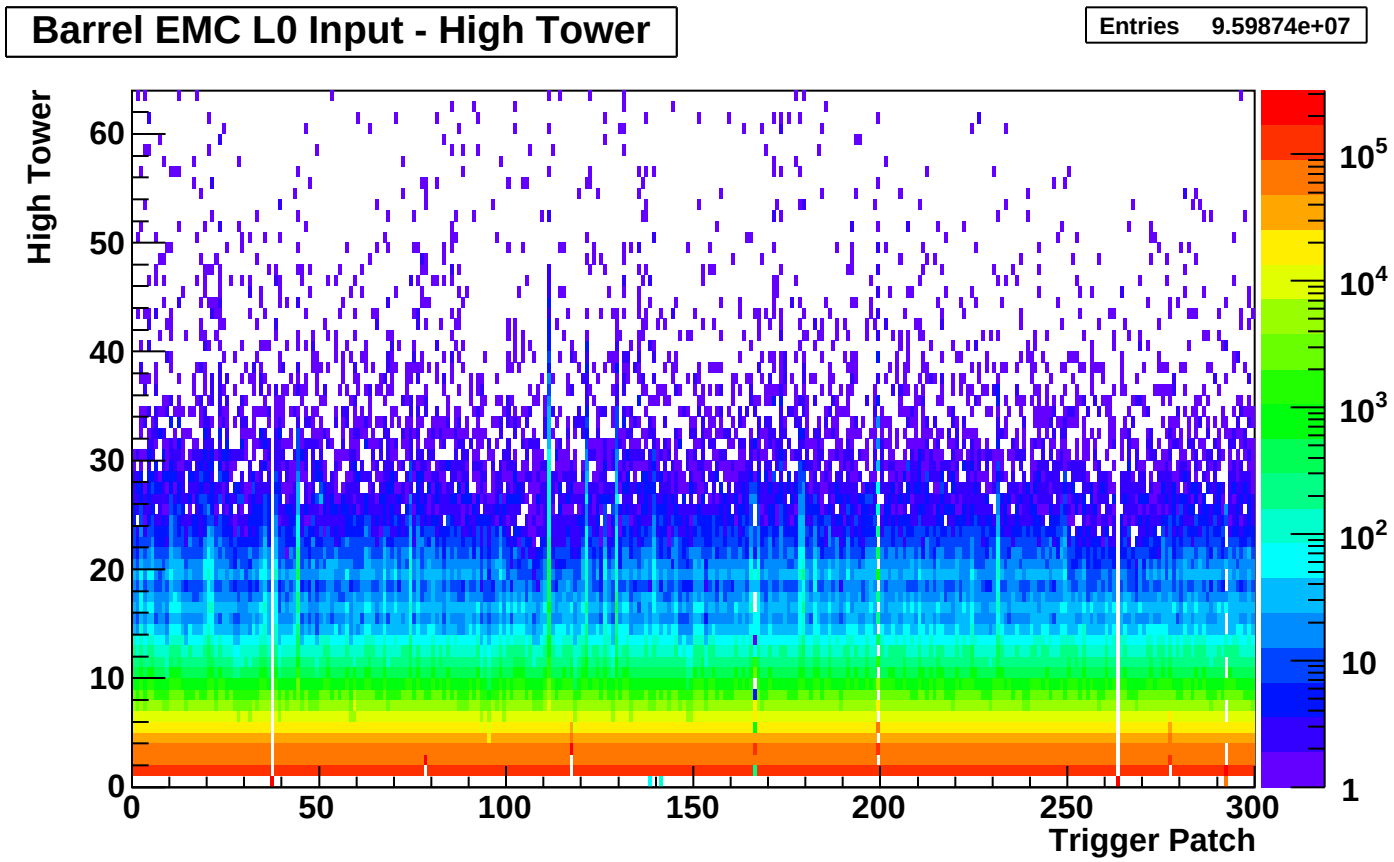

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

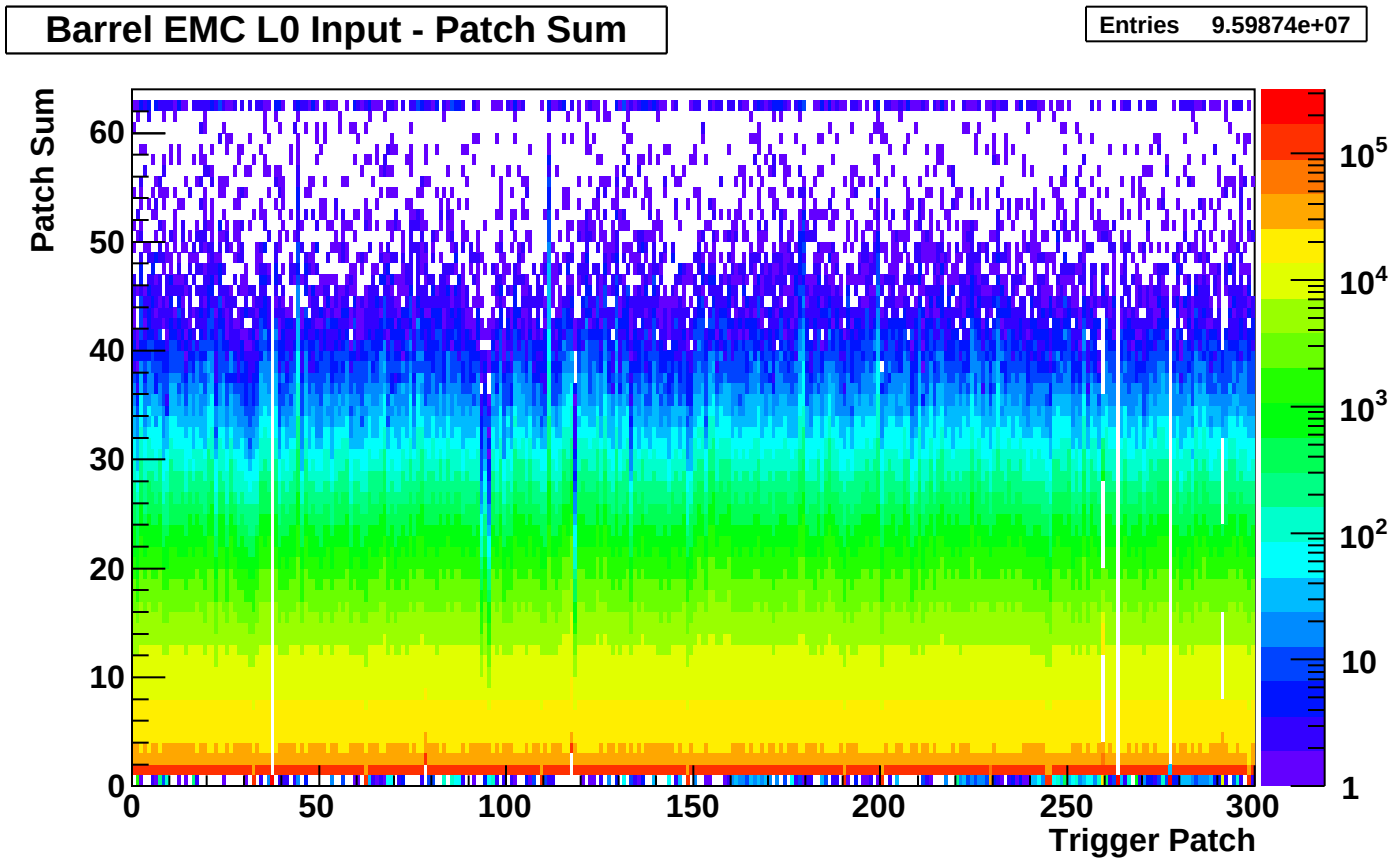

BunchId7Bit (BHT3)
Entries 6662
10^2
10
0
20
40
60
80
100
120

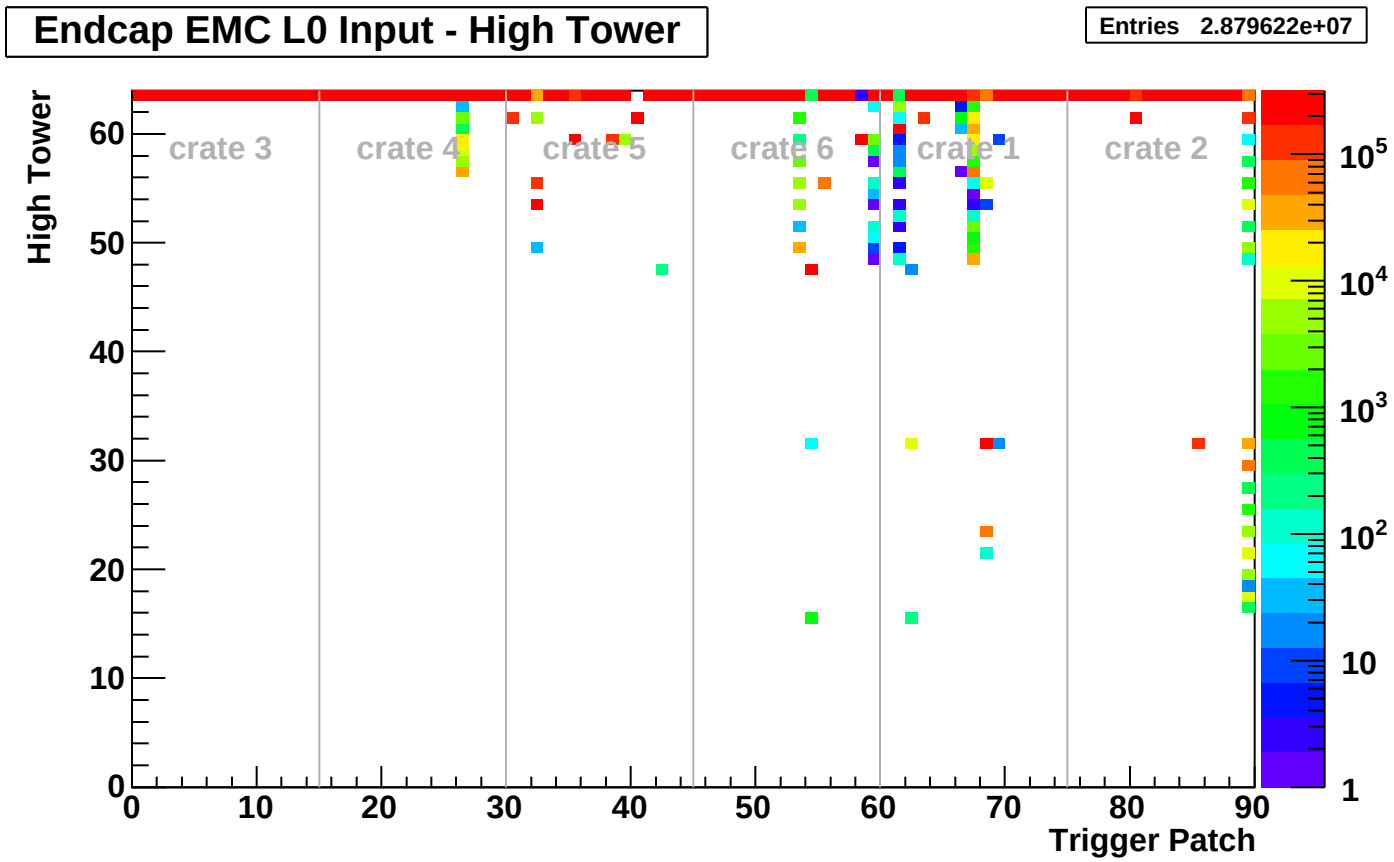

BunchId7Bit (all events)
Entries 319958
10^3
10^2
0
20
40
60
80
100
120

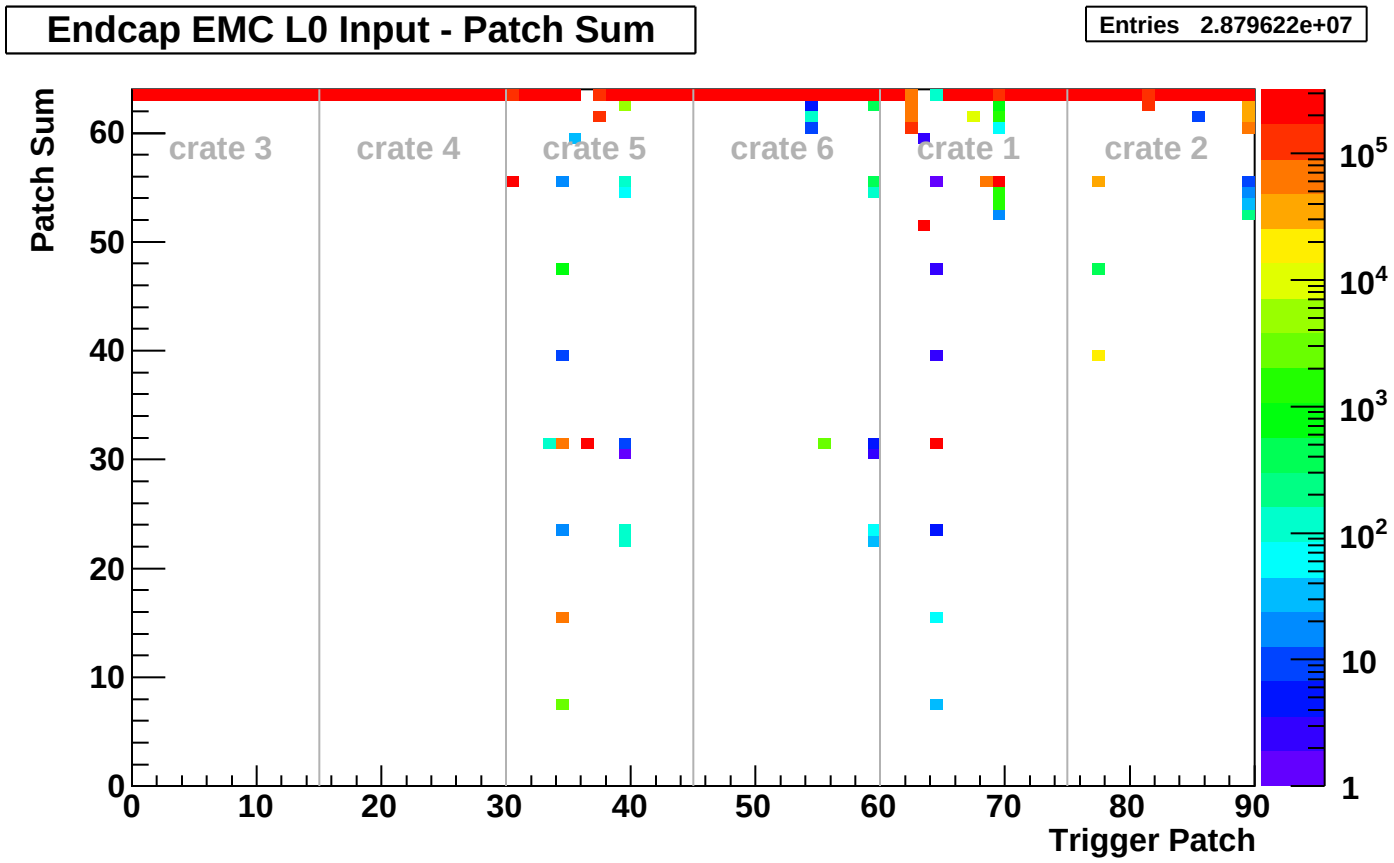

BunchId7Bit (JP1)
Entries 319958
10^3
10^2
0
20
40
60
80
100
120

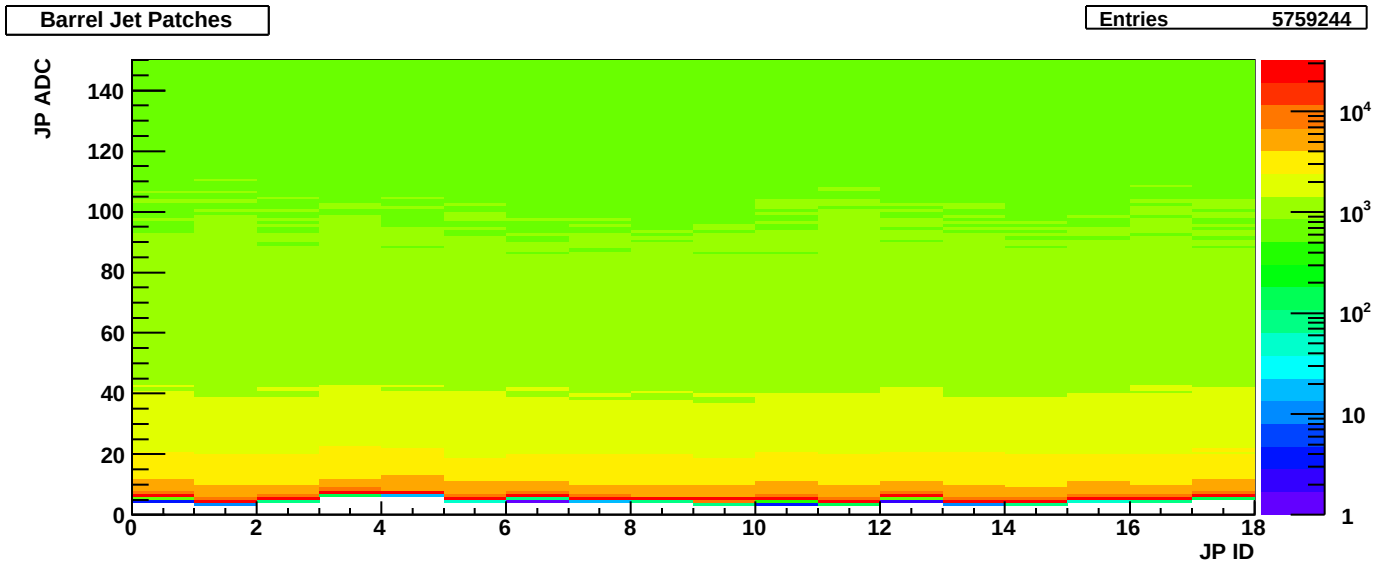

BunchId7Bit (JP2||AJP)
Entries 319958
10^3
10^2
0
20
40
60
80
100
120

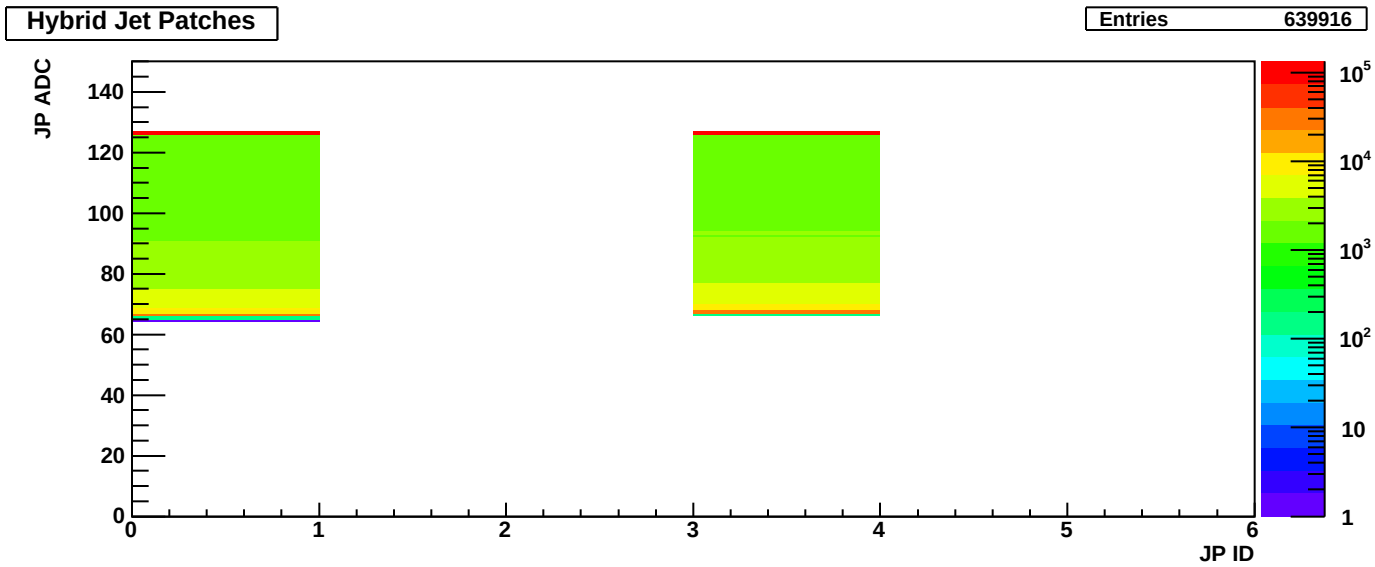

Barrel EMC L0 Input - High Tower
Entries 9.59874e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

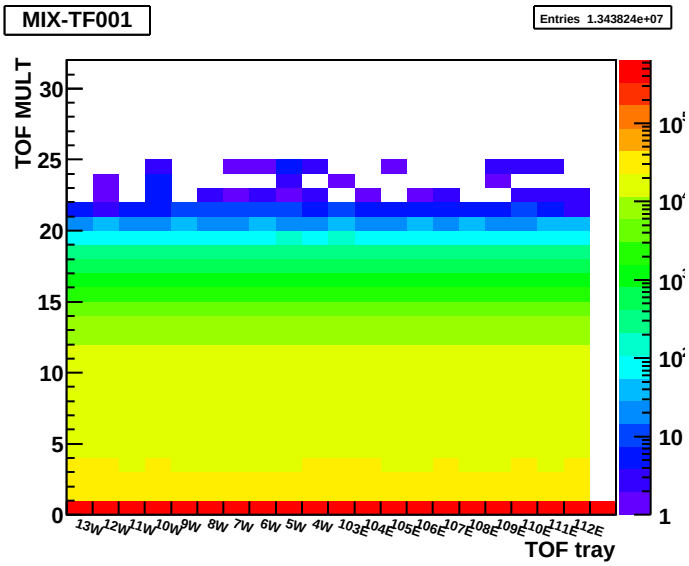

Barrel EMC L0 Input - Patch Sum
Entries 9.59874e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

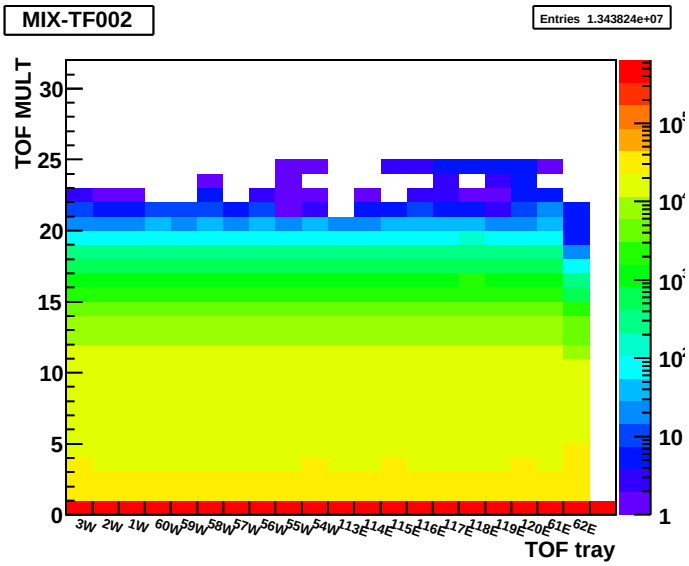

Endcap EMC L0 Input - High Tower
Entries 2.879622e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

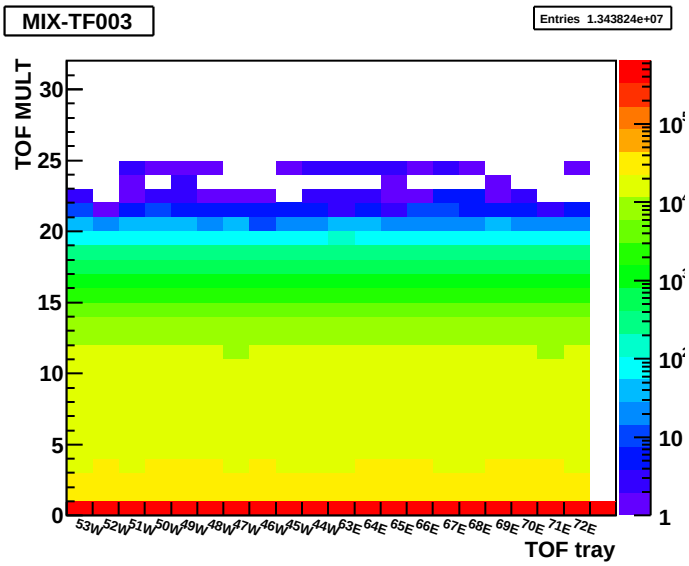

Endcap EMC L0 Input - Patch Sum
Entries 2.879622e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

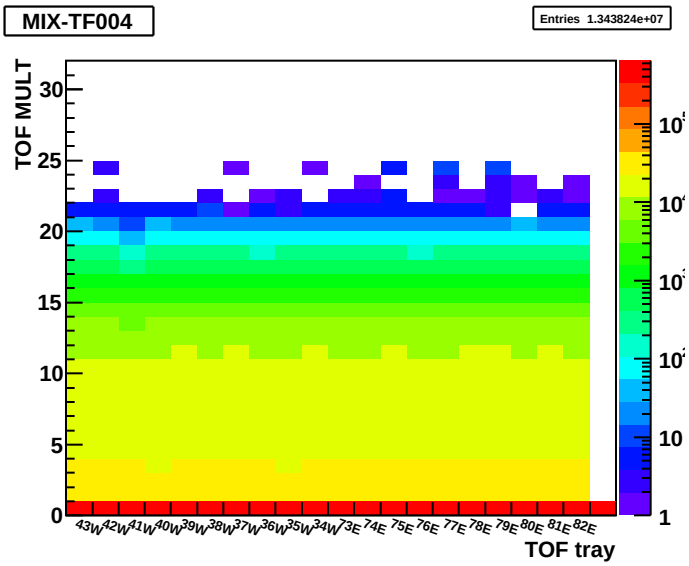

Barrel Jet Patches
Entries 5759244
JP ADC
JP ID

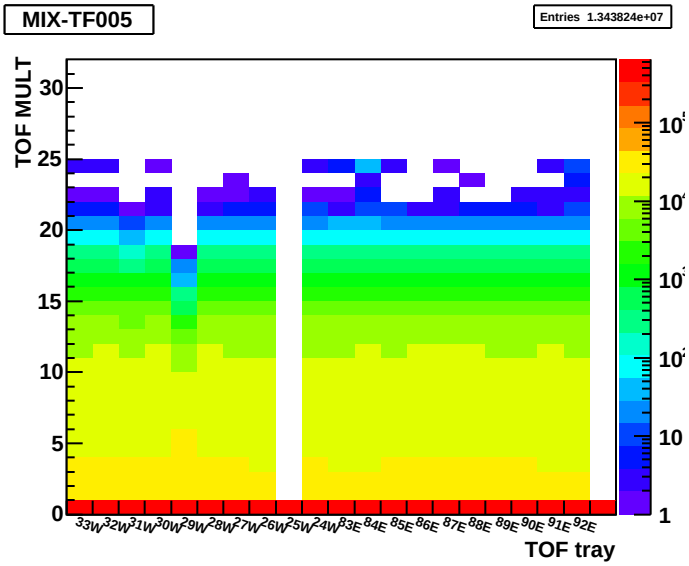

Hybrid Jet Patches
Entries 639916
JP ADC
JP ID

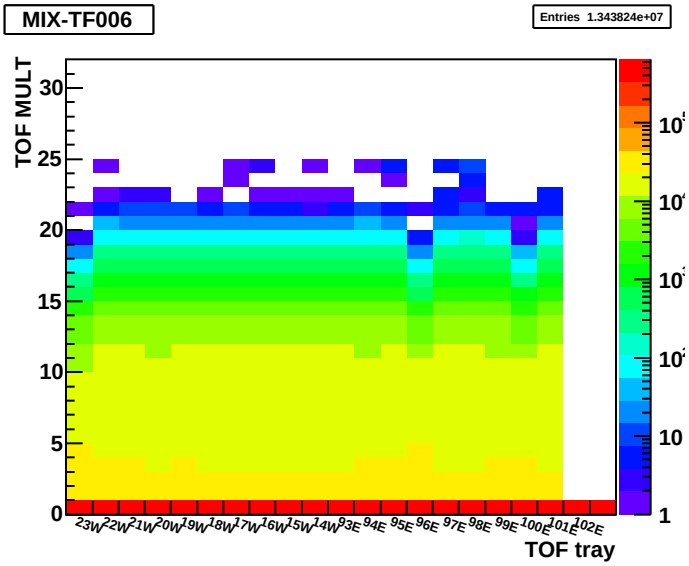

MIX-TF001
Entries 1.343824e+07
TOF MULT
TOF tray

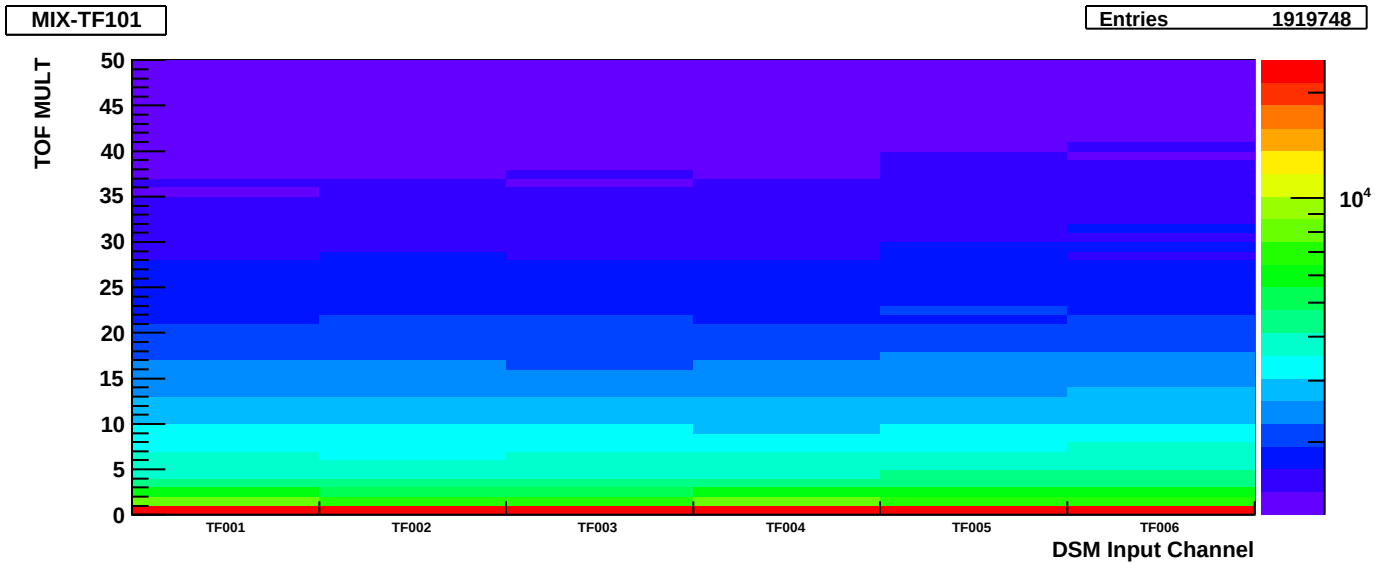

MIX-TF002
Entries 1.343824e+07
TOF MULT
TOF tray

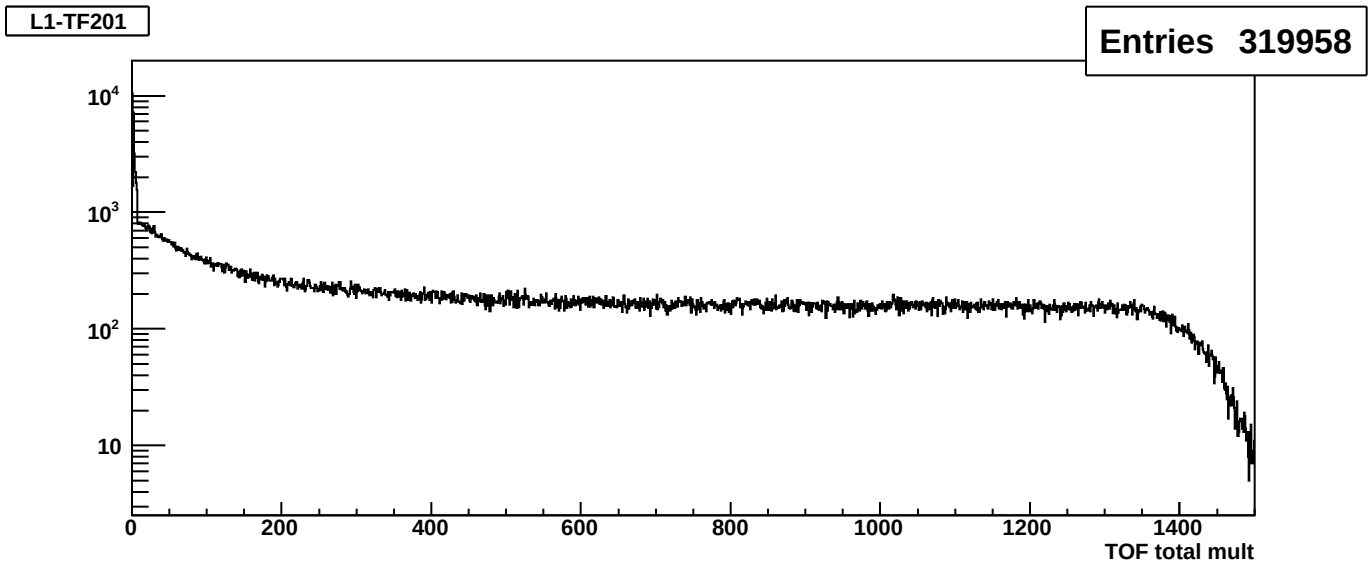

MIX-TF003
Entries 1.343824e+07
TOF MULT
TOF tray

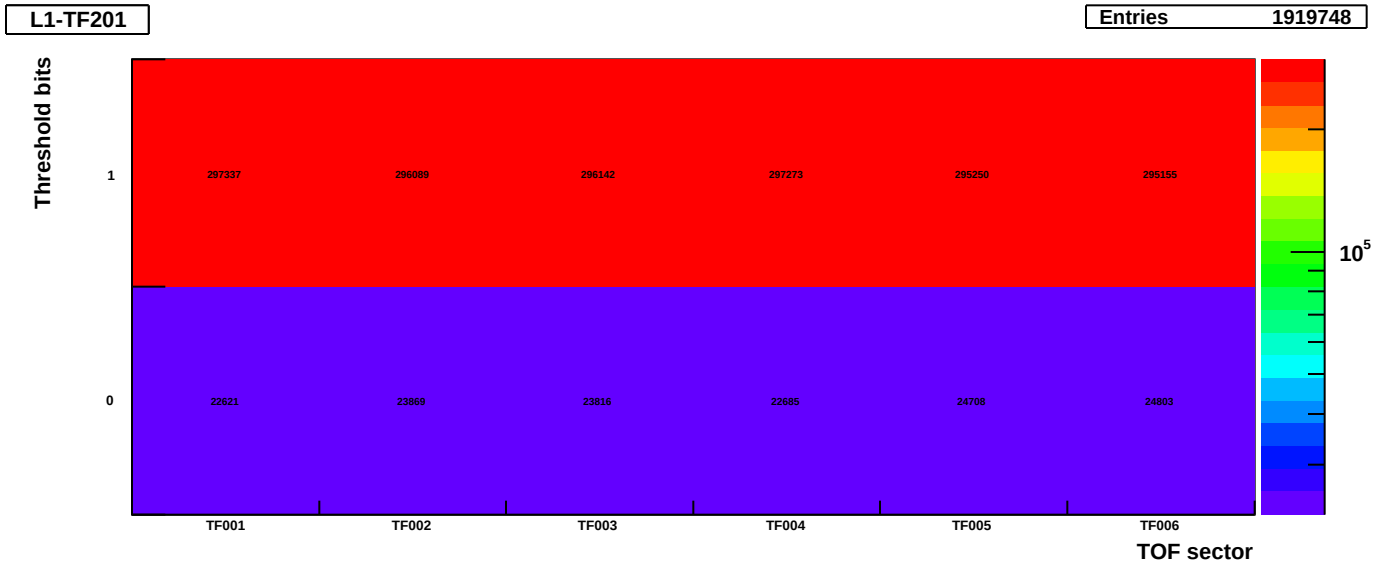

MIX-TF004
Entries 1.343824e+07
TOF MULT
TOF tray

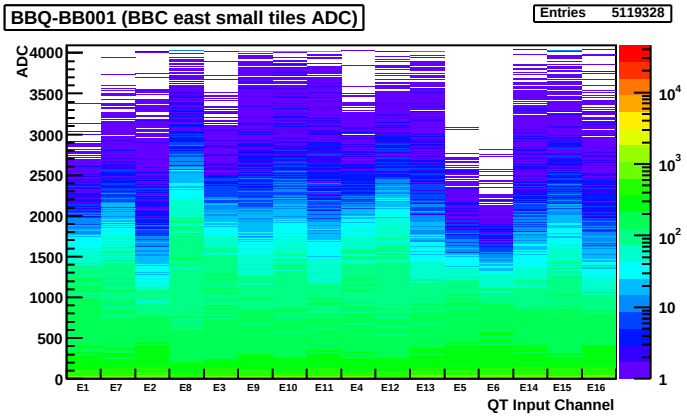

MIX-TF005
Entries 1.343824e+07
TOF MULT
TOF tray

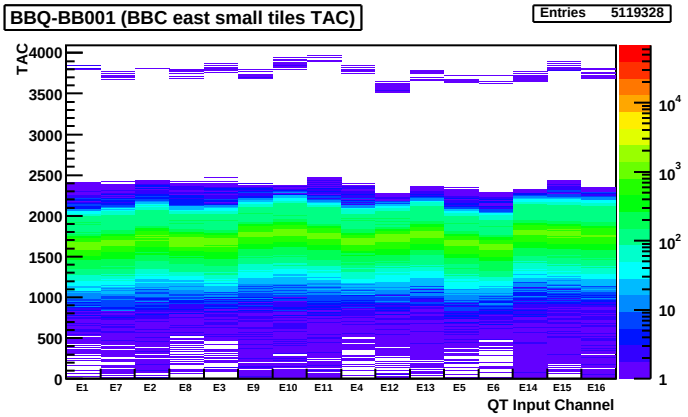

MIX-TF006
Entries 1.343824e+07
TOF MULT
TOF tray

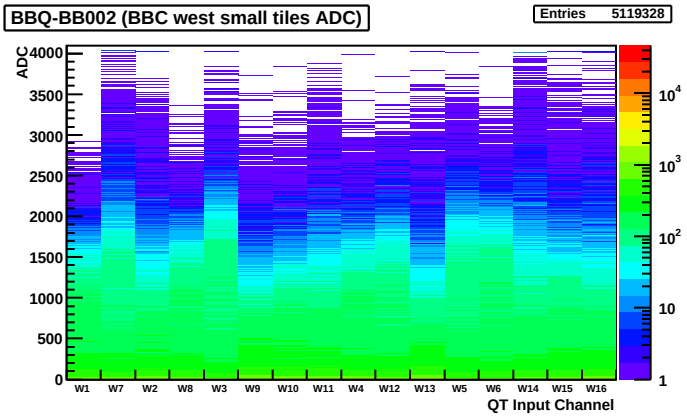

MIX-TF101
Entries 1919748
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

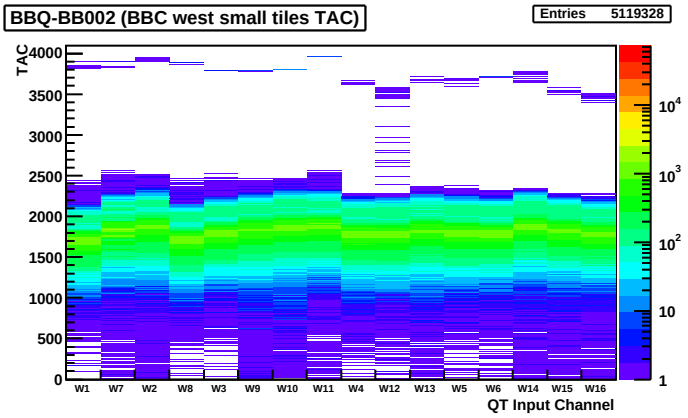

L1-TF201
Entries 319958
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

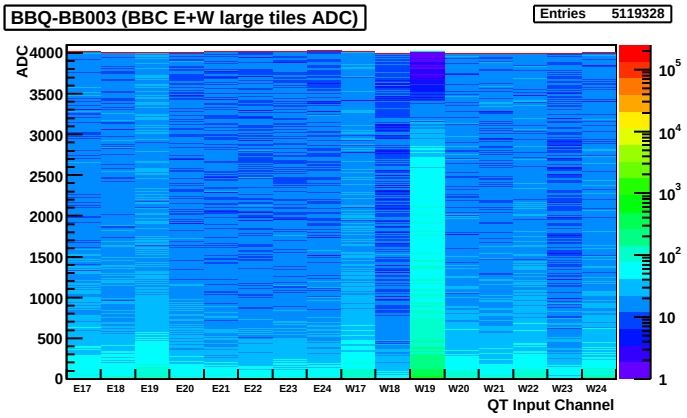

L1-TF201
Entries 1919748
Threshold bits
1
0
297337
296089
296142
297273
295250
295155
22621
23869
23816
22685
24708
24803
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

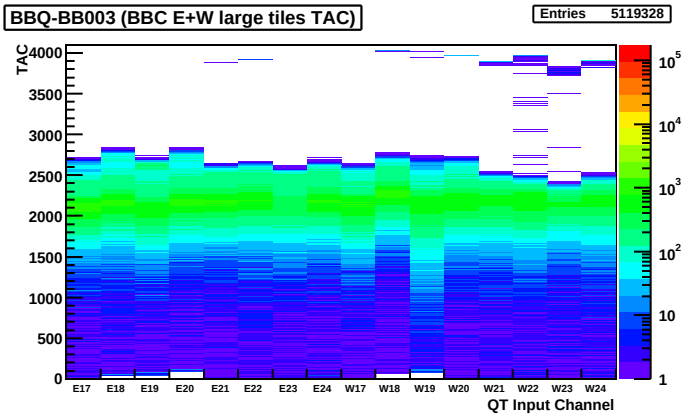

BBQ-BB001 (BBC east small tiles ADC)
Entries 5119328
ADC
QT Input Channel

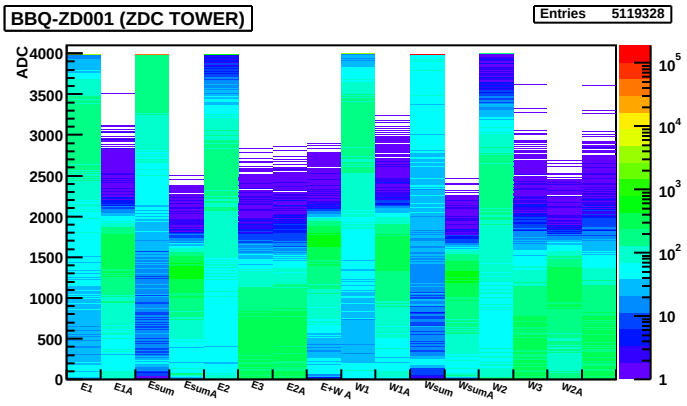

BBQ-BB001 (BBC east small tiles TAC)
Entries 5119328
TAC
QT Input Channel

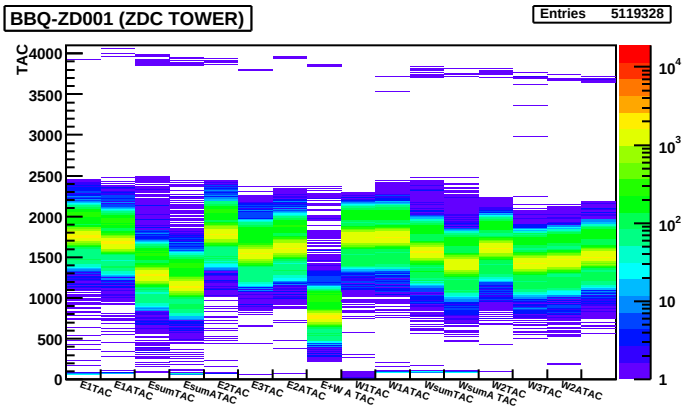

BBQ-BB002 (BBC west small tiles ADC)
Entries 5119328
ADC
QT Input Channel

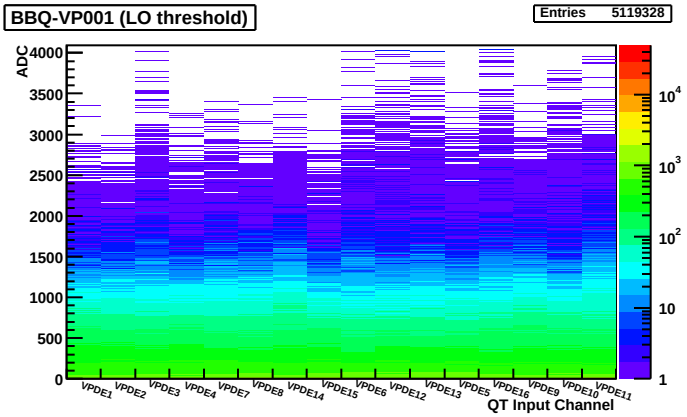

BBQ-BB002 (BBC west small tiles TAC)
Entries 5119328
TAC
QT Input Channel

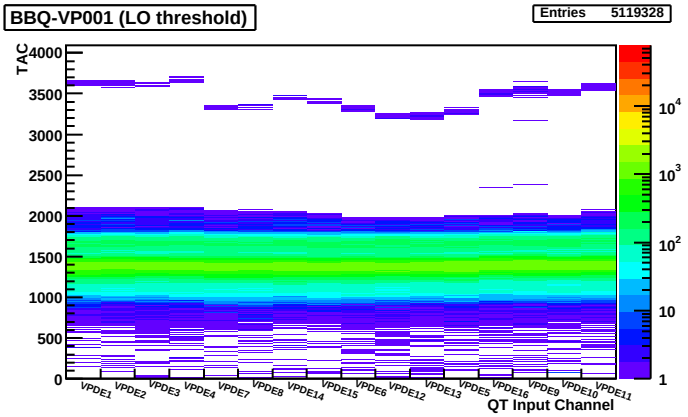

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5119328
ADC
QT Input Channel

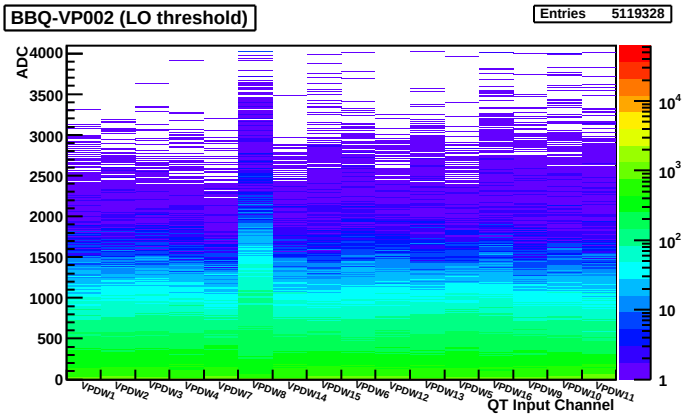

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5119328
TAC
QT Input Channel

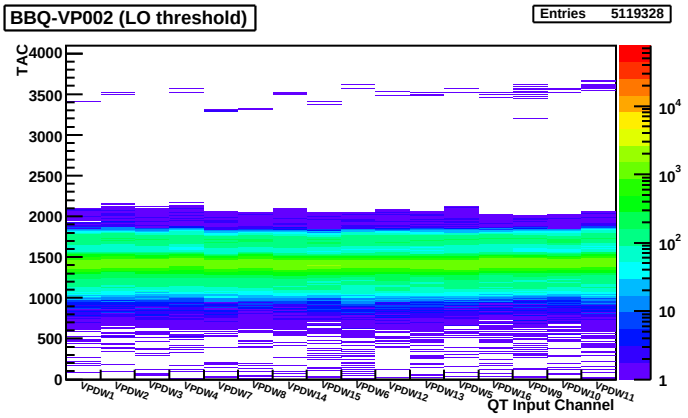

BBQ-ZD001 (ZDC TOWER)
Entries 5119328
ADC

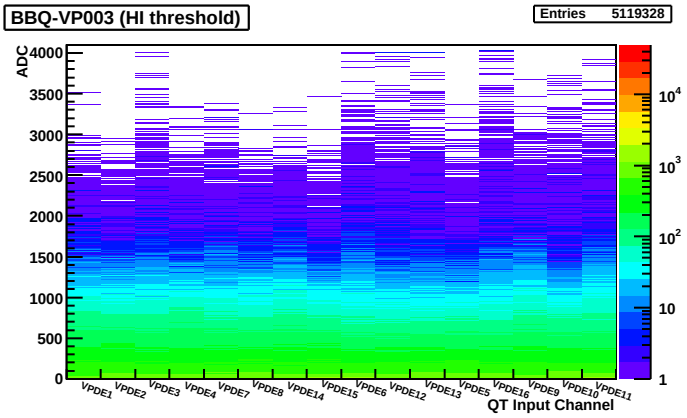

BBQ-ZD001 (ZDC TOWER)
Entries 5119328
TAC

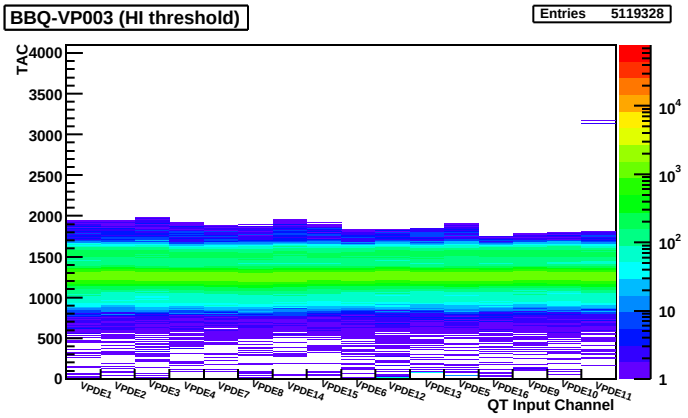

BBQ-VP001 (LO threshold)
Entries 5119328
ADC
QT Input Channel

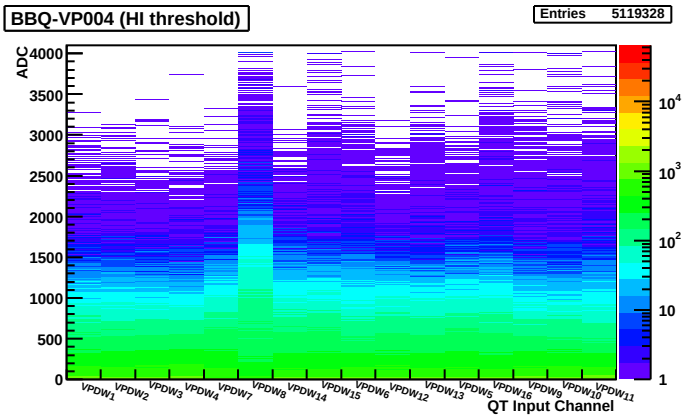

BBQ-VP001 (LO threshold)
Entries 5119328
TAC
QT Input Channel

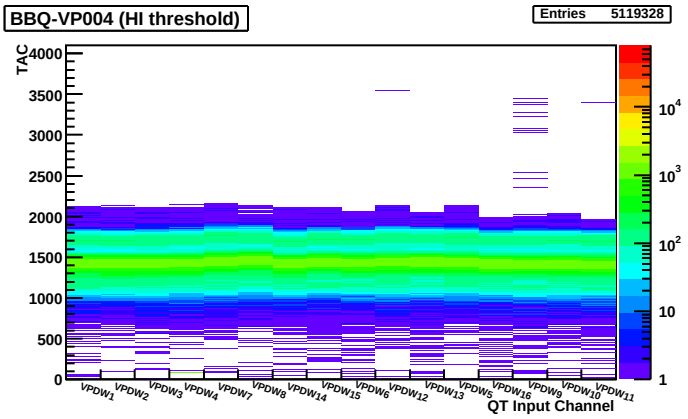

BBQ-VP002 (LO threshold)
Entries 5119328
ADC
QT Input Channel

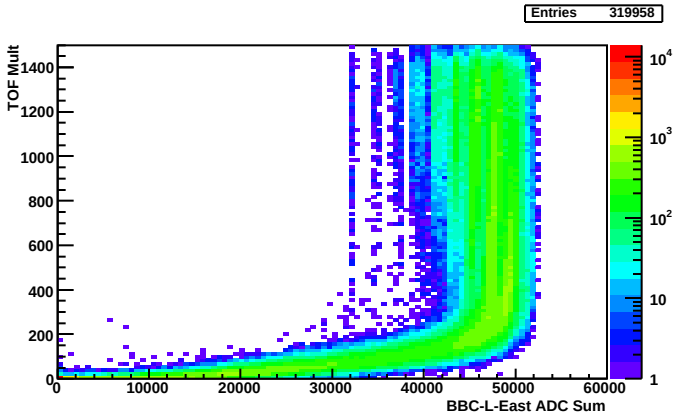

BBQ-VP002 (LO threshold)
Entries 5119328
TAC
QT Input Channel

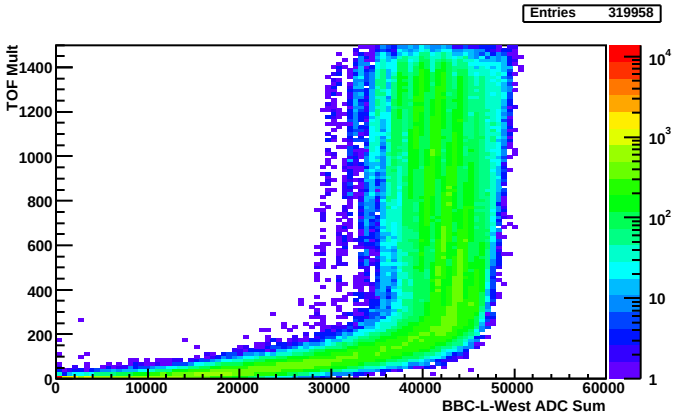

BBQ-VP003 (HI threshold)
Entries 5119328
ADC
QT Input Channel

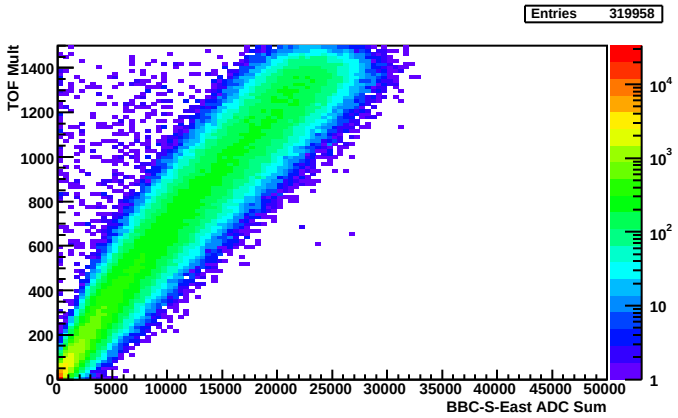

BBQ-VP003 (HI threshold)
Entries 5119328
TAC
QT Input Channel

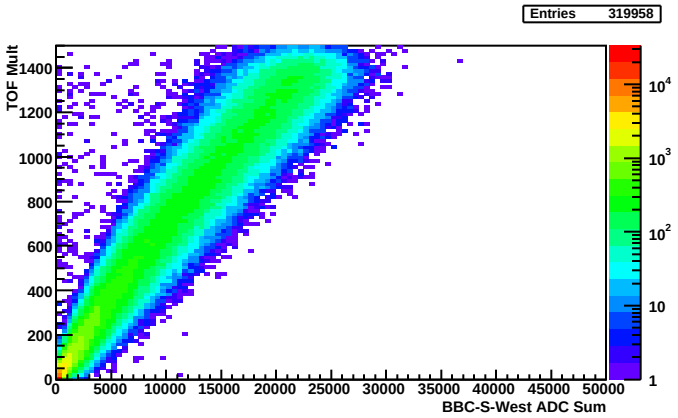

BBQ-VP004 (HI threshold)
Entries 5119328
ADC
QT Input Channel

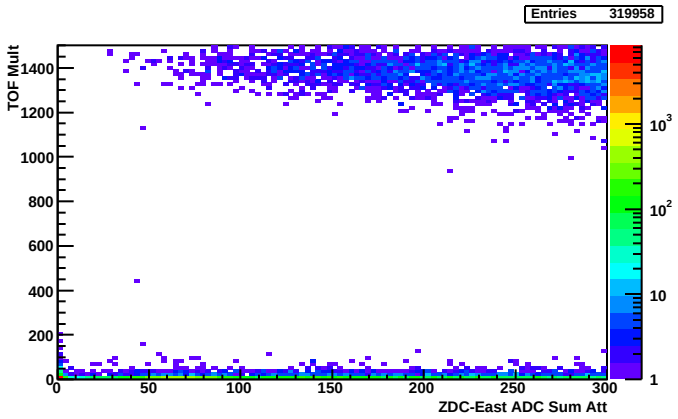

BBQ-VP004 (HI threshold)
Entries 5119328
TAC
QT Input Channel

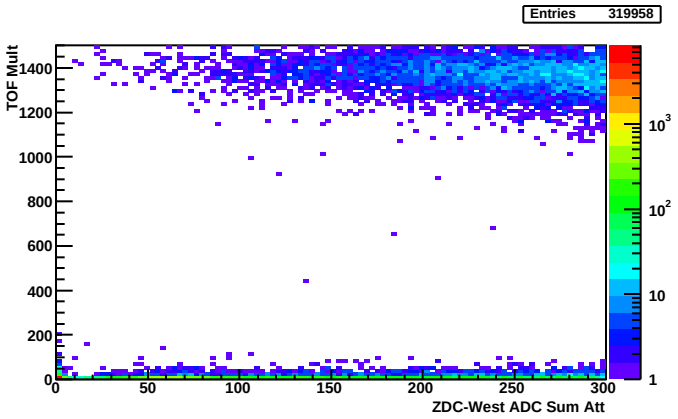

Entries 319958
TOF Mult
BBC-L-East ADC Sum

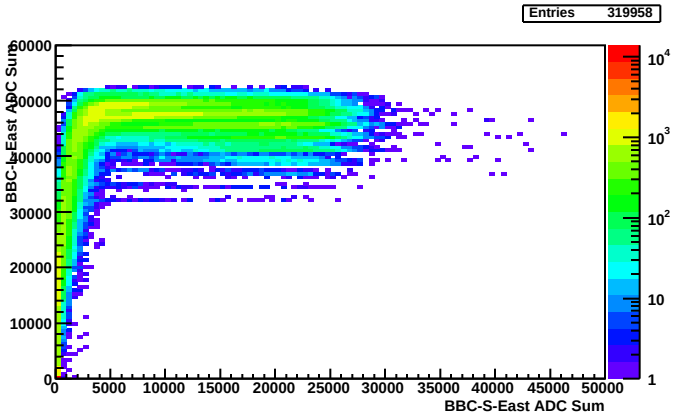

Entries 319958
TOF Mult
BBC-L-West ADC Sum

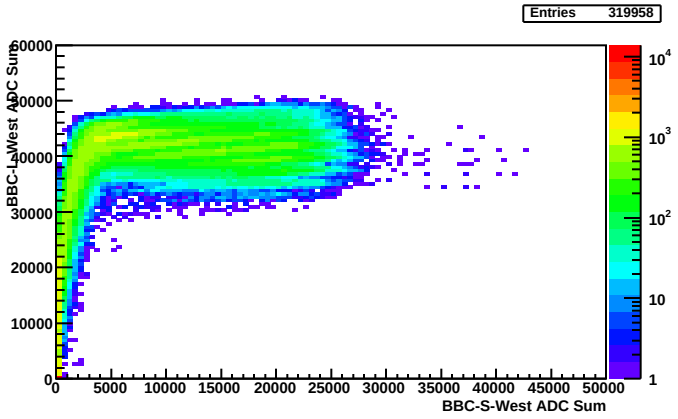

Entries 319958
TOF Mult
BBC-S-East ADC Sum

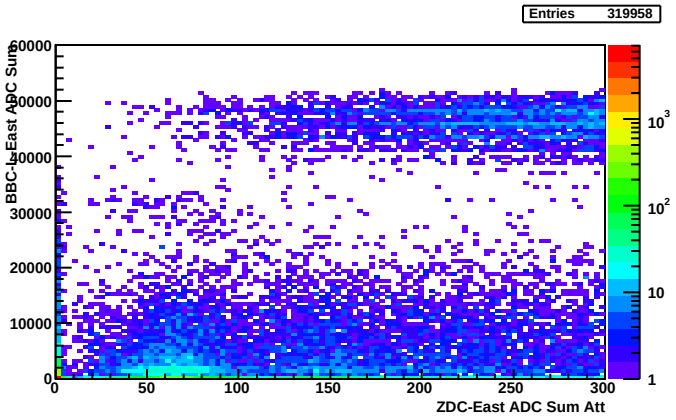

Entries 319958
TOF Mult
BBC-S-West ADC Sum


Entries 319958
TOF Mult
ZDC-East ADC Sum Att


Entries 319958
TOF Mult
ZDC-West ADC Sum Att


Entries 319958
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 319958
BBC-L-West ADC Sum
BBC-S-West ADC Sum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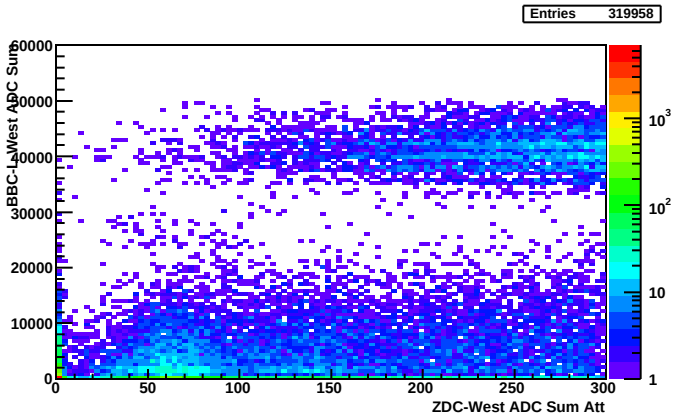
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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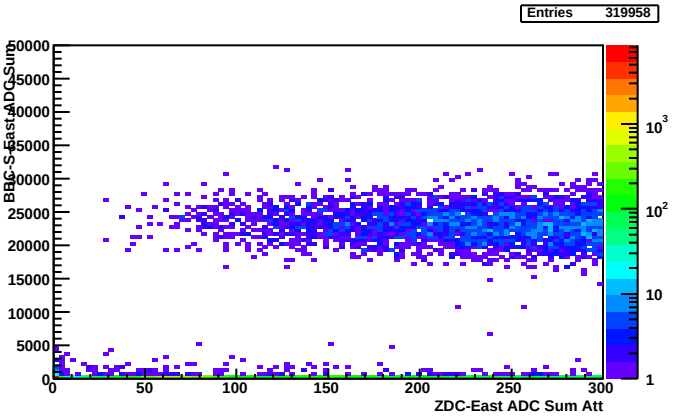
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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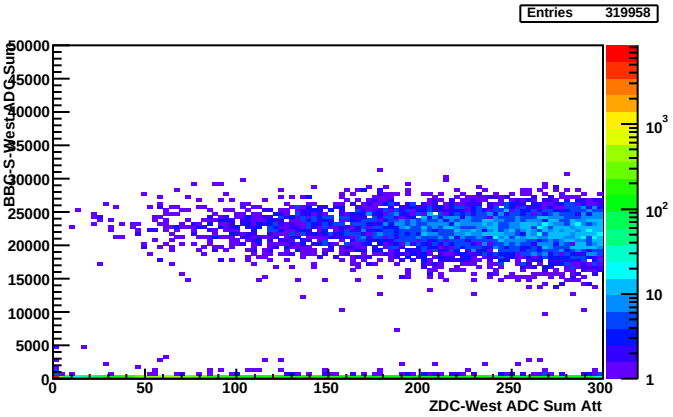
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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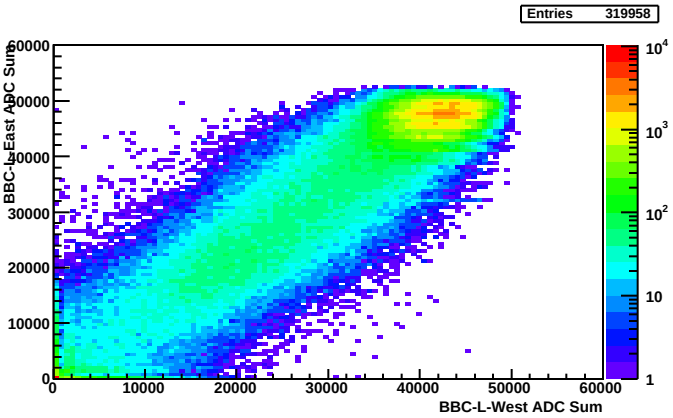
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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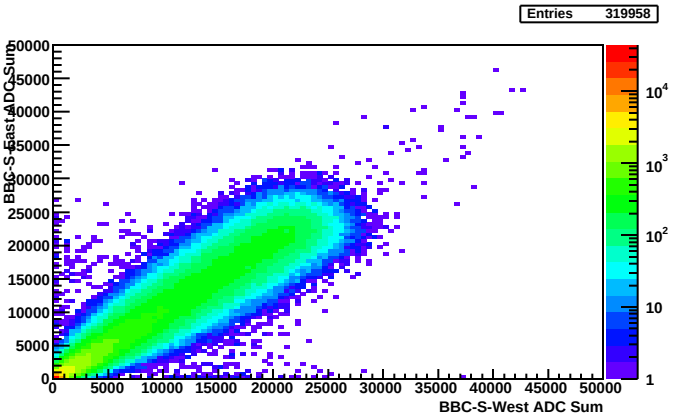
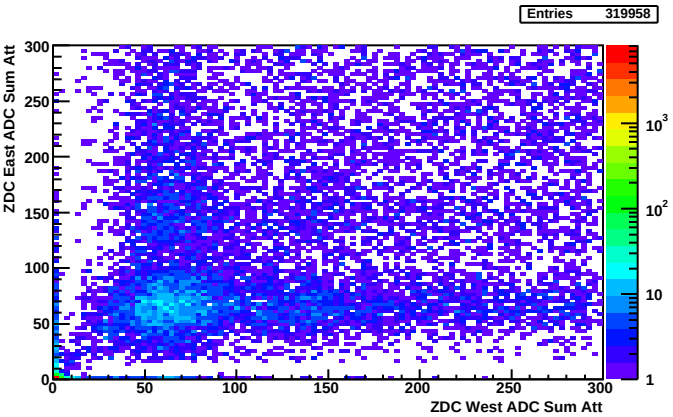
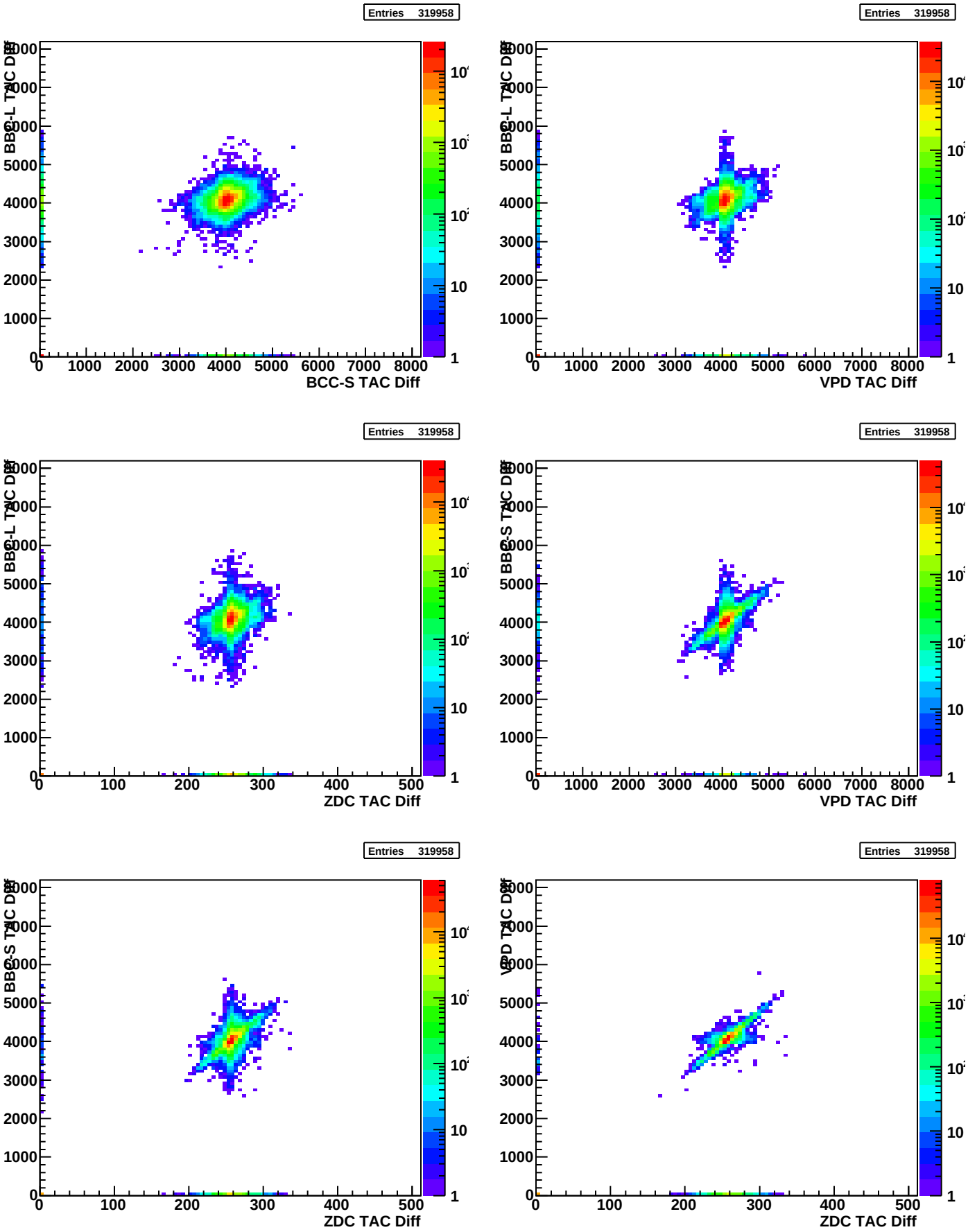
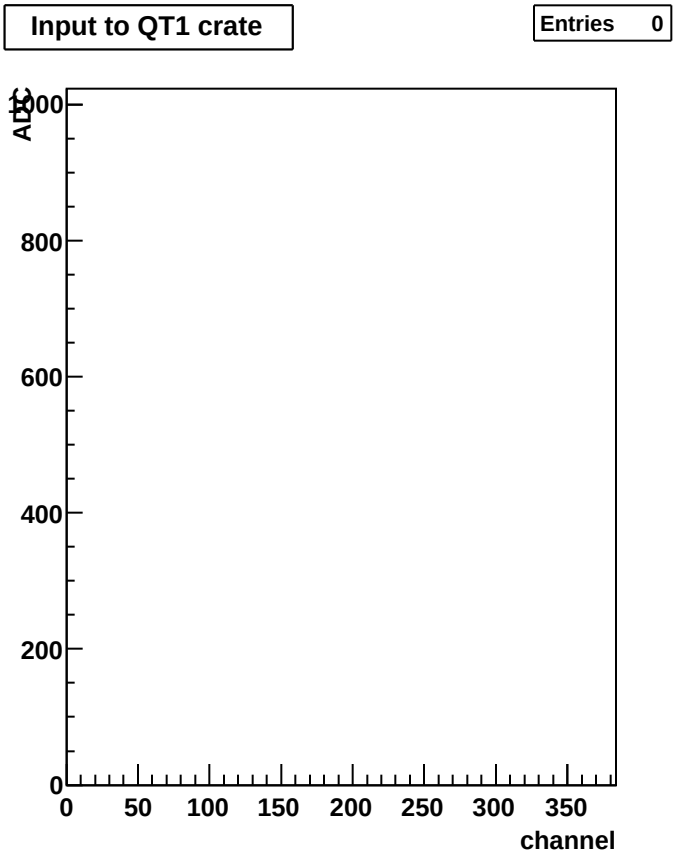
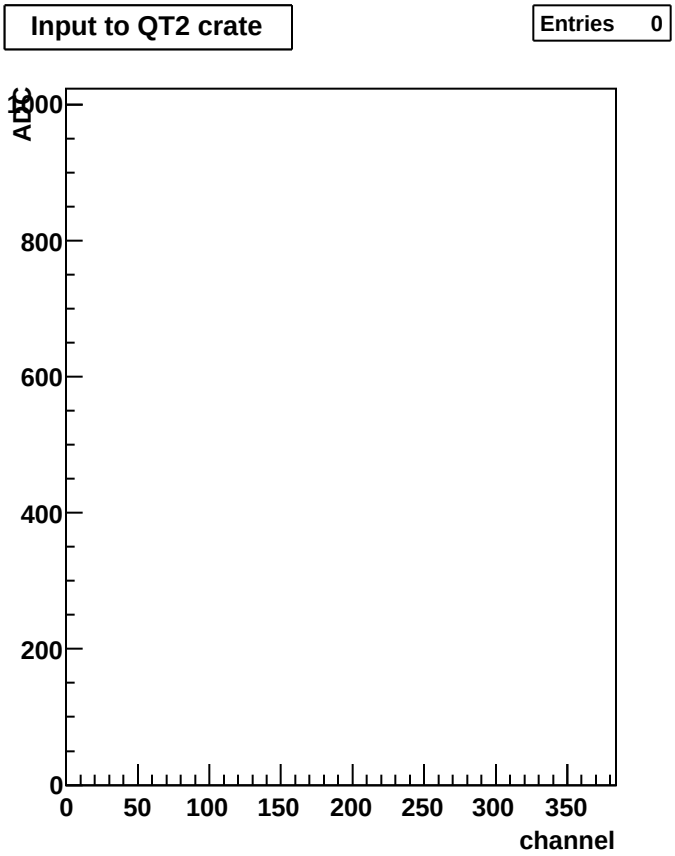
BBC-L-East ADC Sum
BBC-L-West ADC Sum

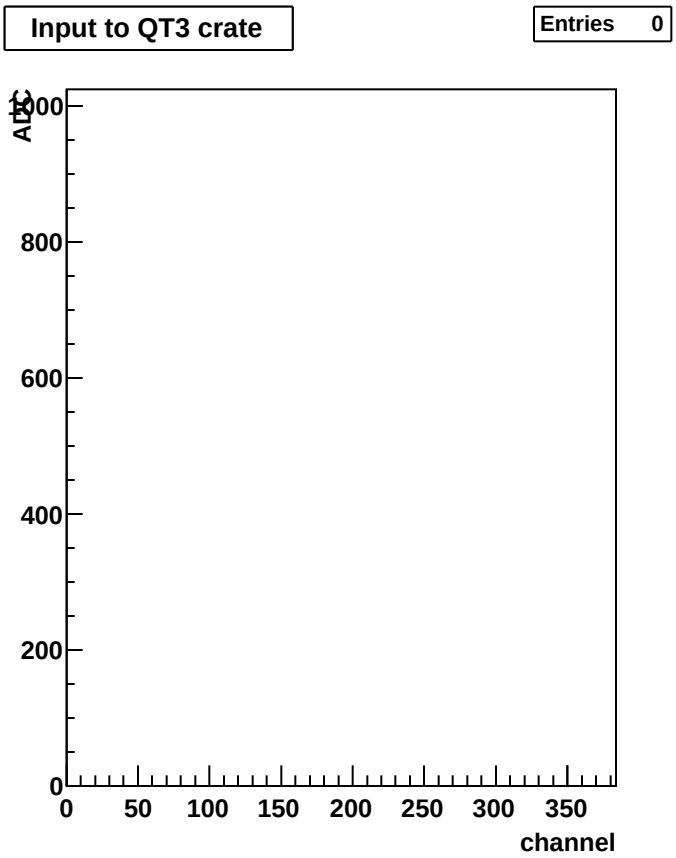

Entries 319958
BBC-S-East ADC Sum
BBC-S-West ADC Sum

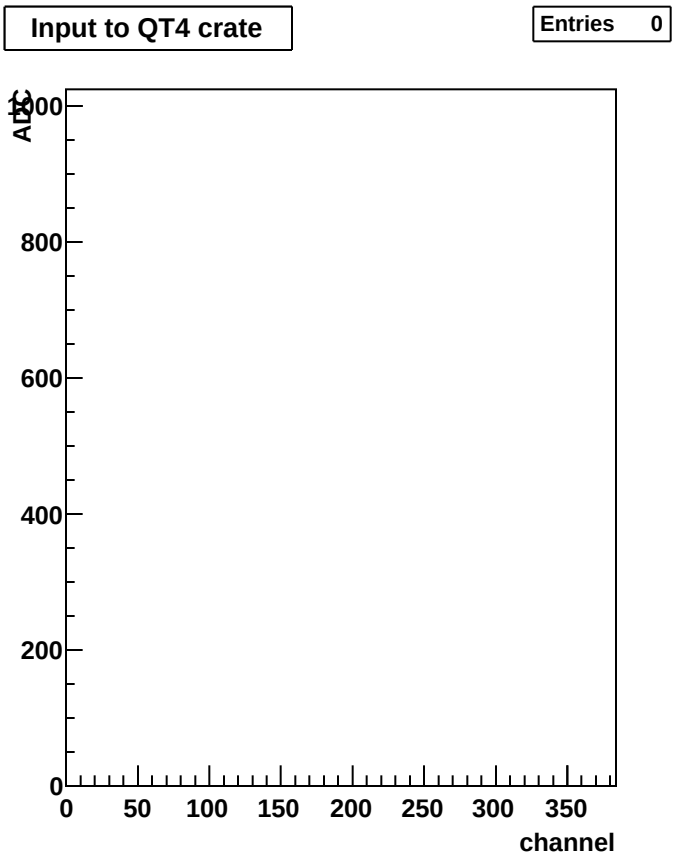

Entries 319958
ZDC East ADC Sum Att
ZDC West ADC Sum Att

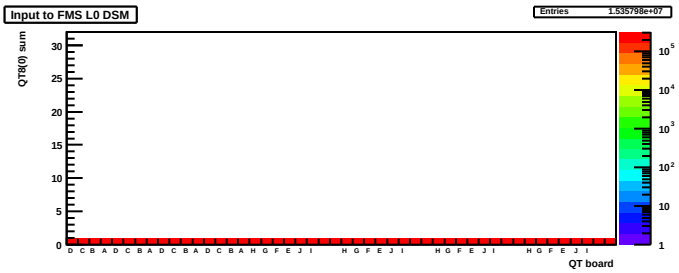

Entries 319958
BBC-L TAC Diff
BCC-S TAC Diff
Entries 319958
BBC-L TAC Diff
VPD TAC Diff
Entries 319958
BBC-L TAC Diff
ZDC TAC Diff
Entries 319958
BBC-S TAC Diff
VPD TAC Diff
Entries 319958
BBC-S TAC Diff
ZDC TAC Diff
Entries 319958
VPD TAC Diff
ZDC TAC Diff

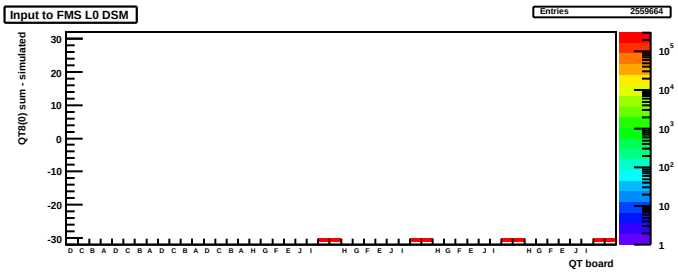

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

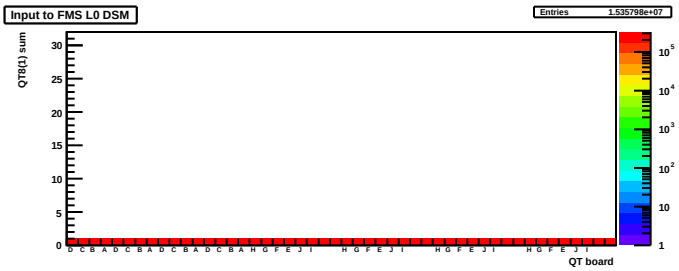

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

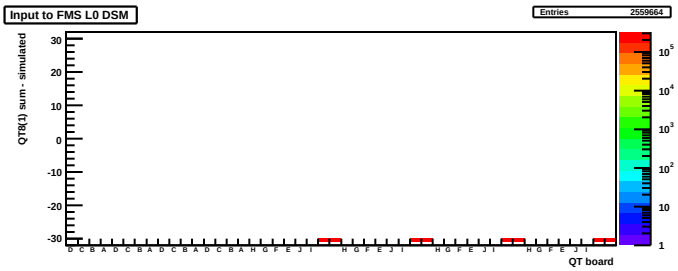

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

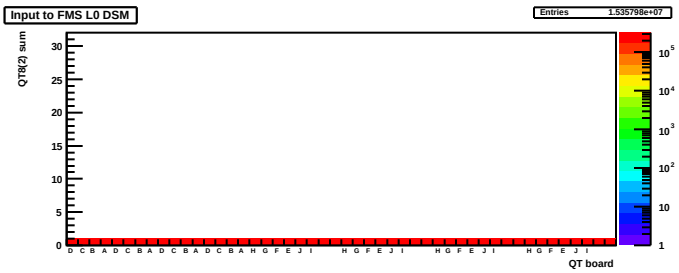

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

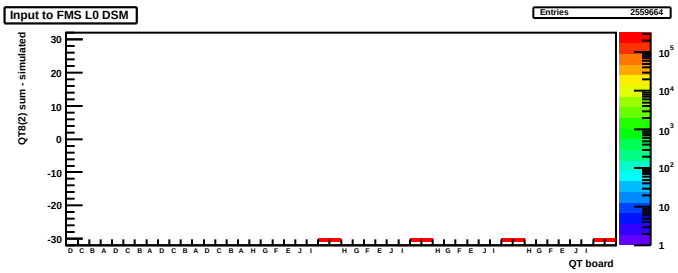

Input to FMS L0 DSM
Entries 1.535798e+07
QT8(0) sum
QT board

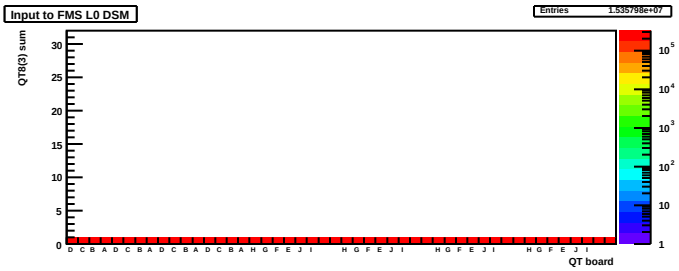

Input to FMS L0 DSM
Entries 2559664
QT8(0) sum - simulated
QT board

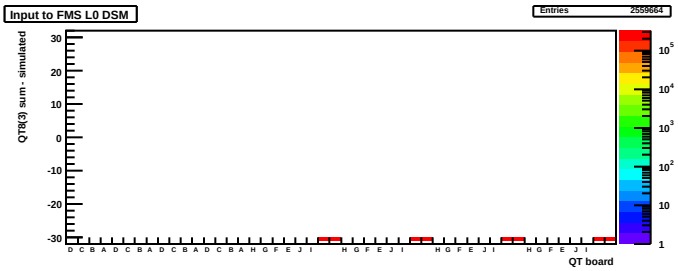

Input to FMS L0 DSM
Entries 1.535798e+07
QT8(1) sum
QT board

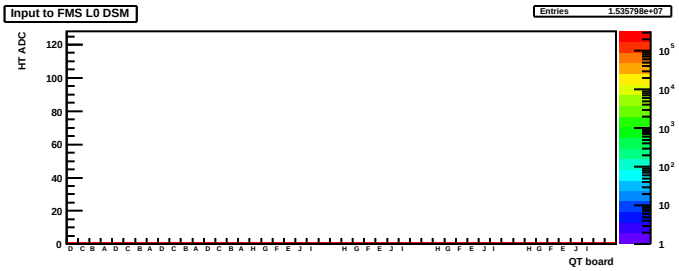

Input to FMS L0 DSM
Entries 2559664
QT8(1) sum - simulated
QT board

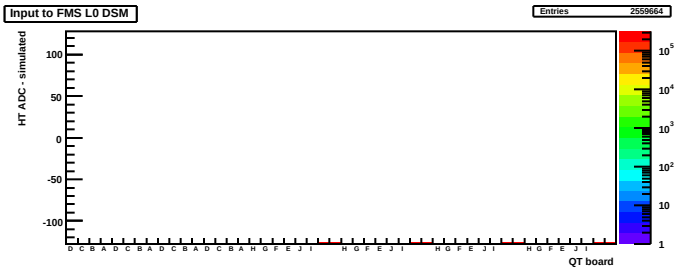

Input to FMS L0 DSM
Entries 1.535798e+07
QT8(2) sum
QT board

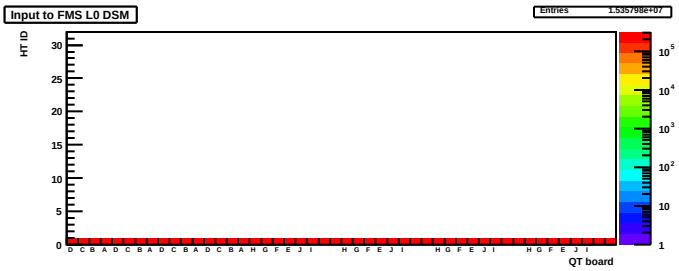

Input to FMS L0 DSM
Entries 2559664
QT8(2) sum - simulated
QT board

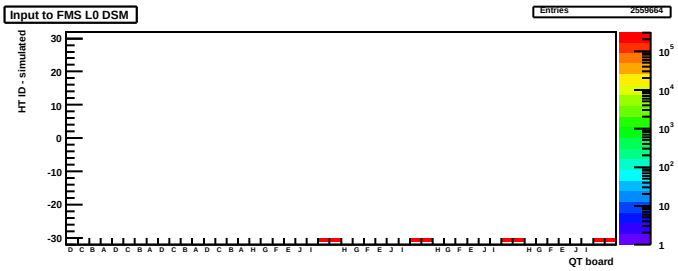

Input to FMS L0 DSM
Entries 1.535798e+07
QT8(3) sum
QT board

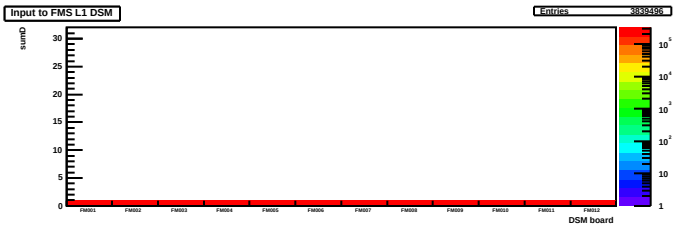

Input to FMS L0 DSM
Entries 2559664
QT8(3) sum - simulated
QT board

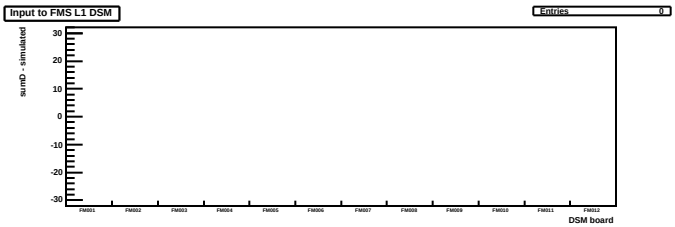

Input to FMS L0 DSM
Entries 1.535798e+07
HT ADC
QT board

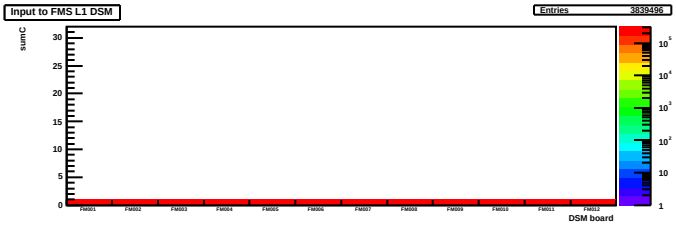

Input to FMS L0 DSM
Entries 2559664
HT ADC - simulated
QT board

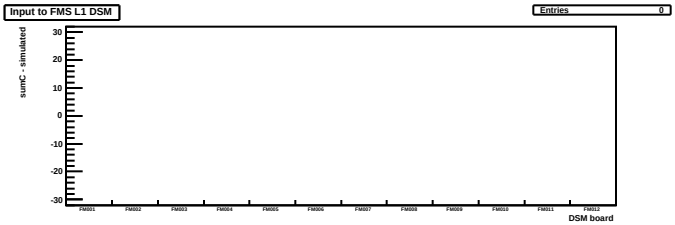

Input to FMS L0 DSM
Entries 1.535798e+07
HT ID
QT board

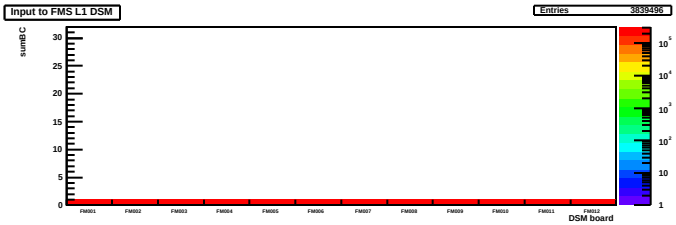

Input to FMS L0 DSM
Entries 2559664
HT ID - simulated
QT board

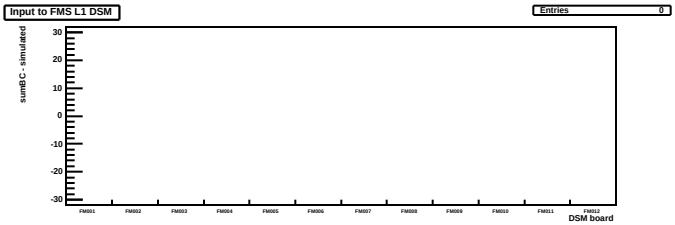

Input to FMS L1 DSM
Entries 3839496
sumD
DSM board

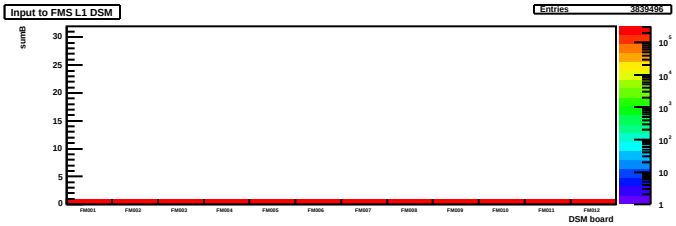

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

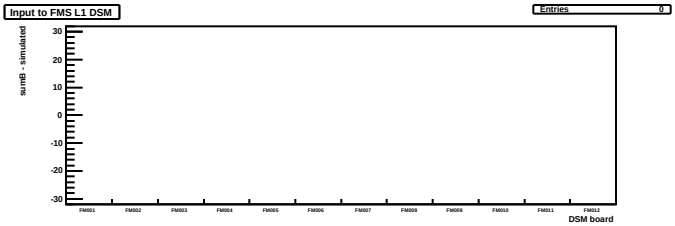

Input to FMS L1 DSM
Entries 3839496
sumC
DSM board

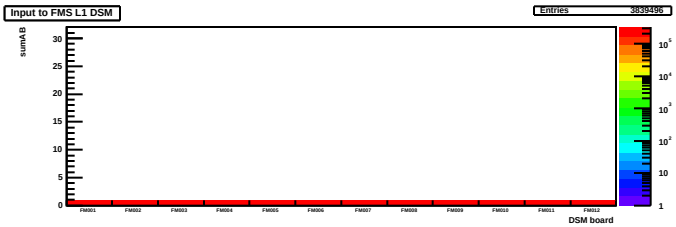

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

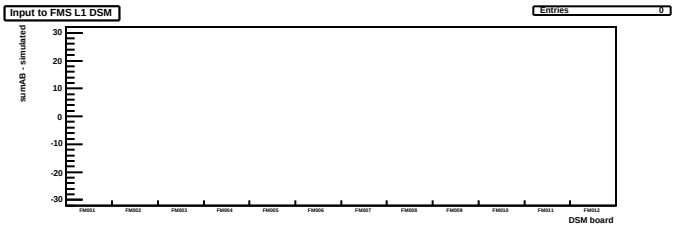

Input to FMS L1 DSM
Entries 3839496
sumBC
DSM board

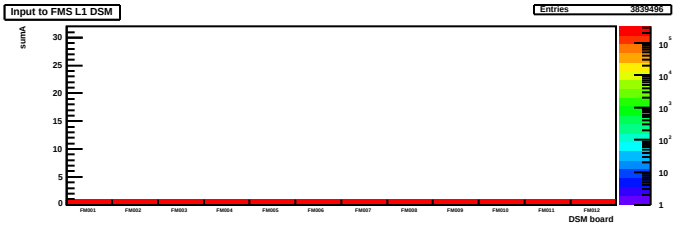

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

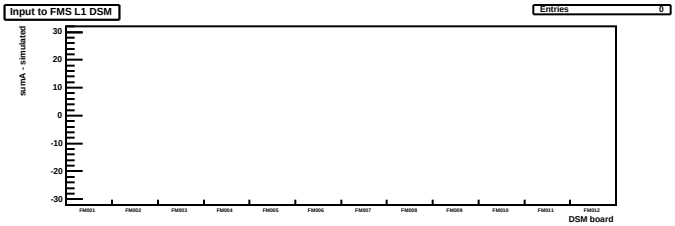

Input to FMS L1 DSM
Entries 3839496
sumB
DSM board

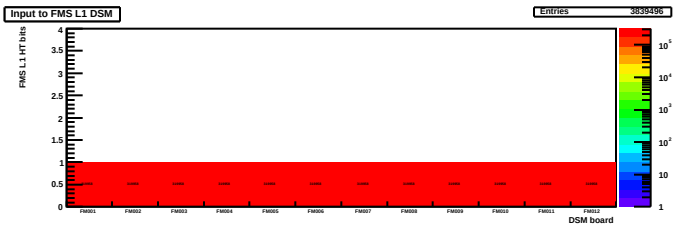

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

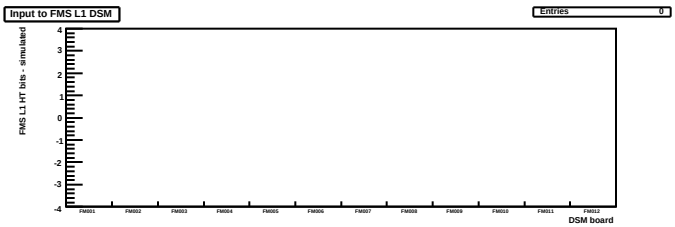

Input to FMS L1 DSM
Entries 3839496
sumAB
DSM board

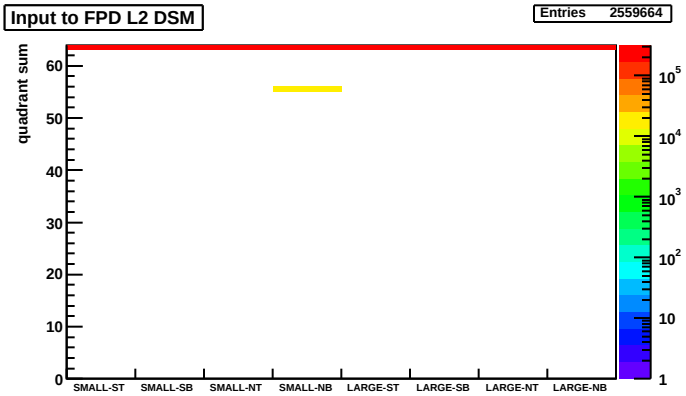

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

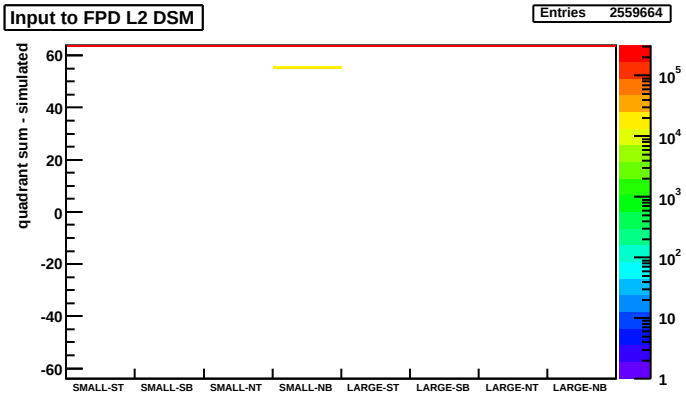

Input to FMS L1 DSM
Entries 3839496
sumA
DSM board

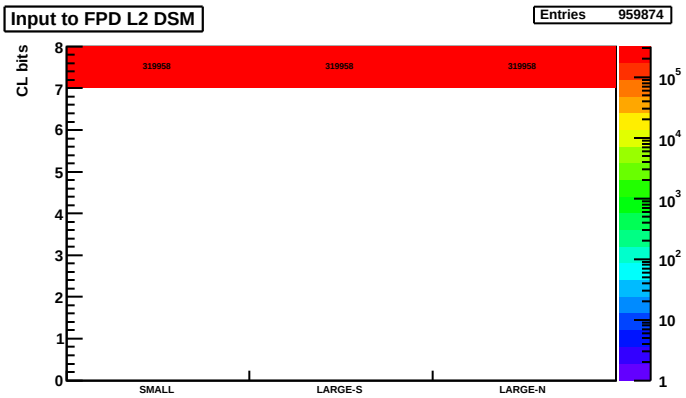

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

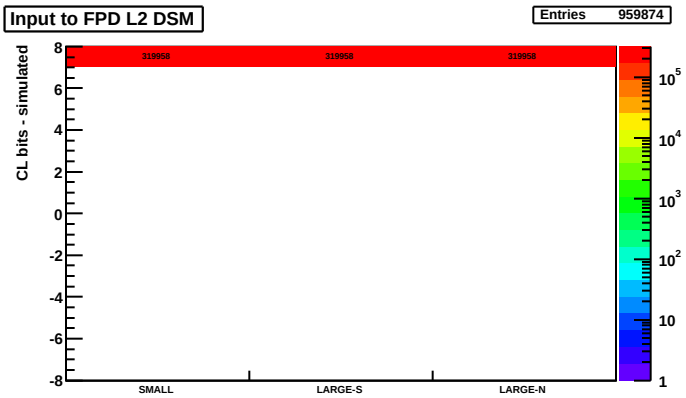

Input to FMS L1 DSM
Entries 3839496
FMS L1 HT bits
DSM board

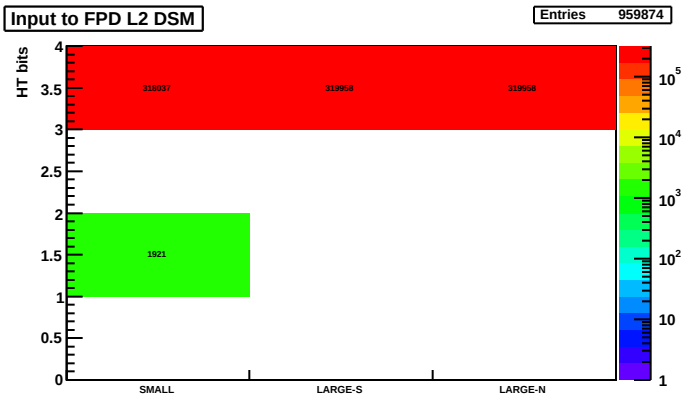

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

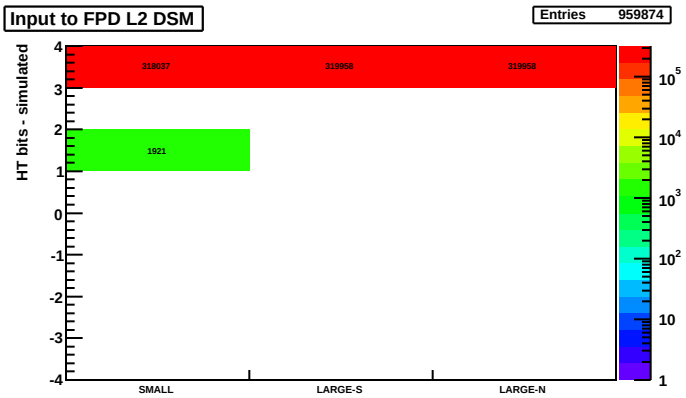

Input to FPD L2 DSM
Entries 2559664
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

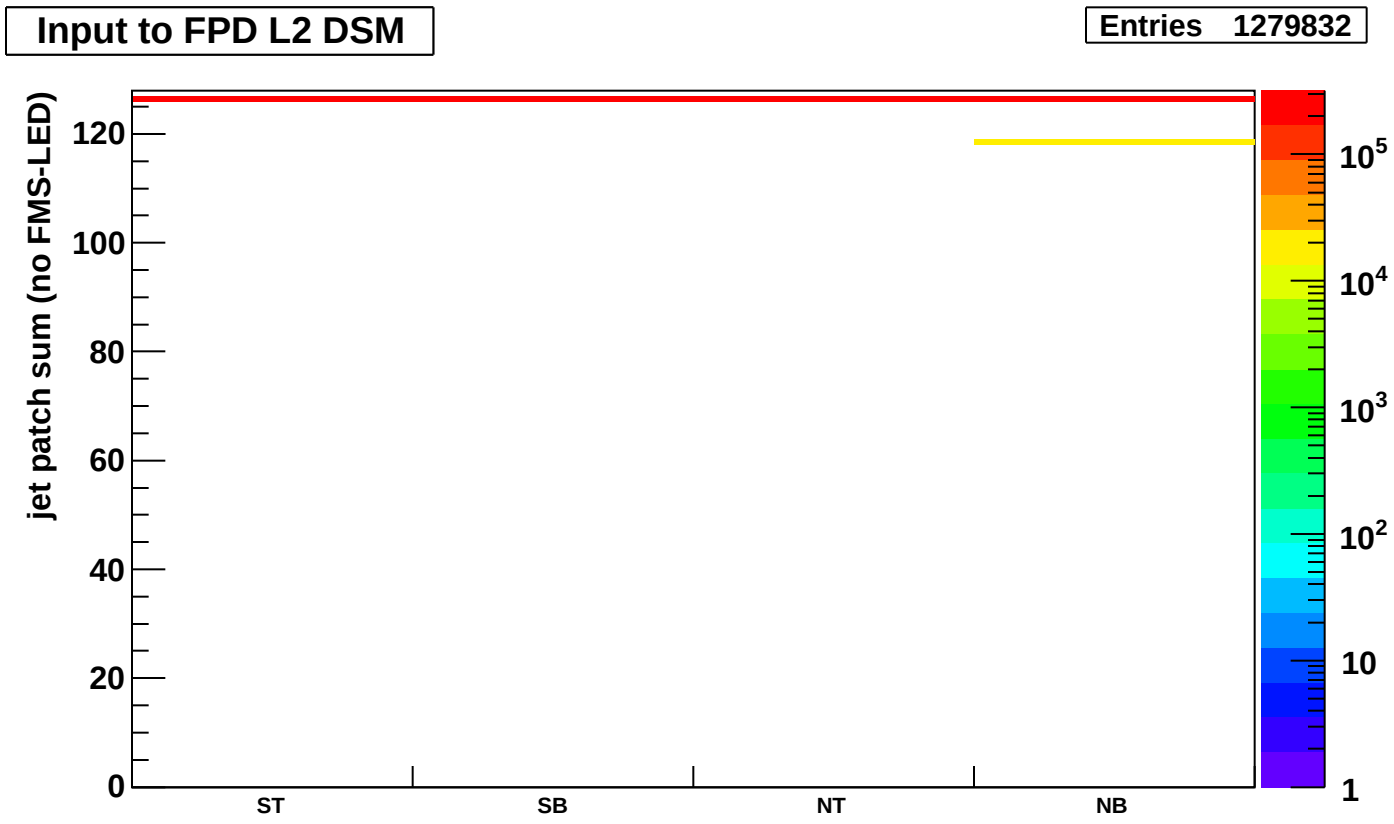

Input to FPD L2 DSM
Entries 2559664
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

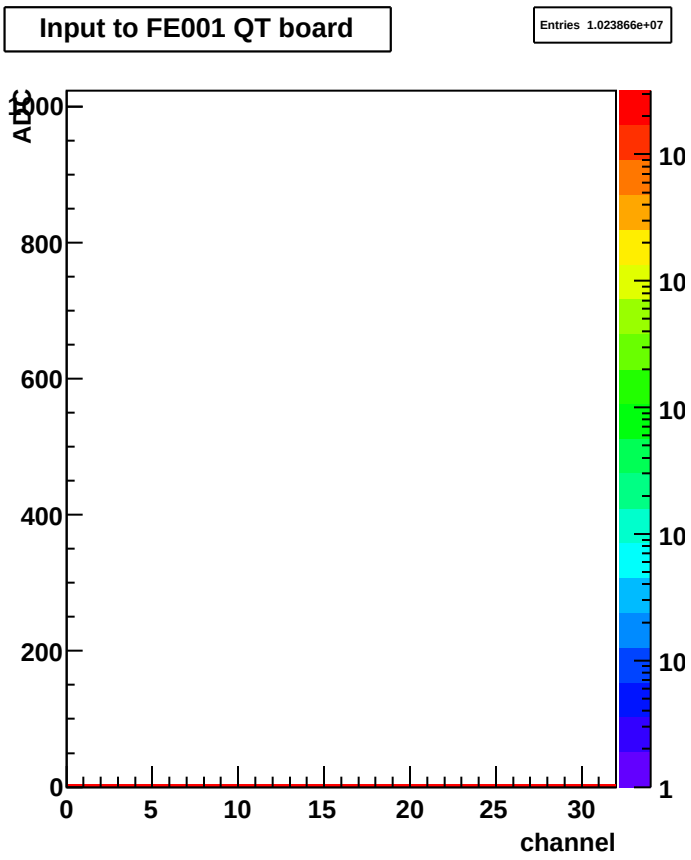

Input to FPD L2 DSM
Entries 959874
CL bits
319958
319958
319958
SMALL
LARGE-S
LARGE-N

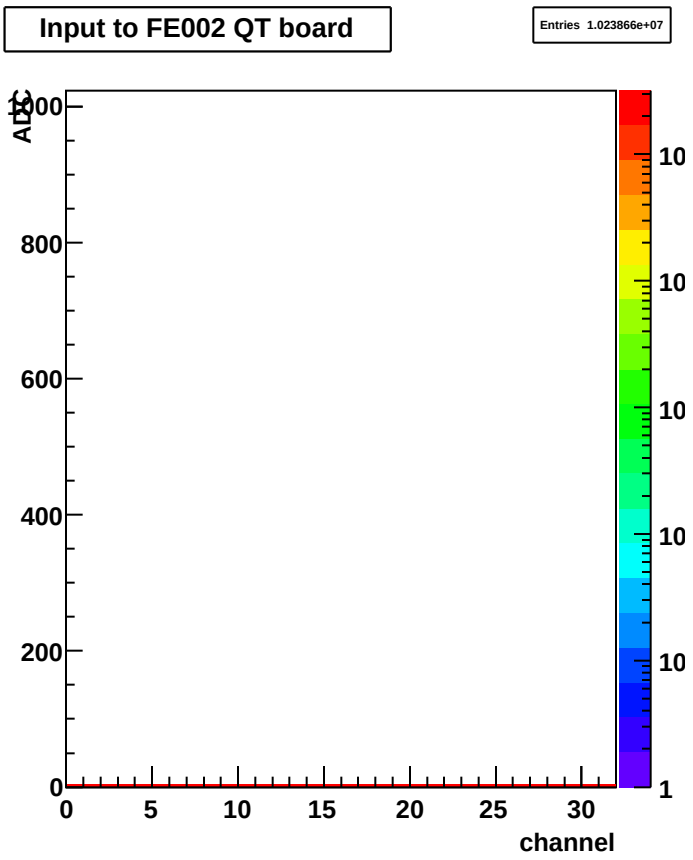

Input to FPD L2 DSM
Entries 959874
CL bits - simulated
319958
319958
319958
SMALL
LARGE-S
LARGE-N

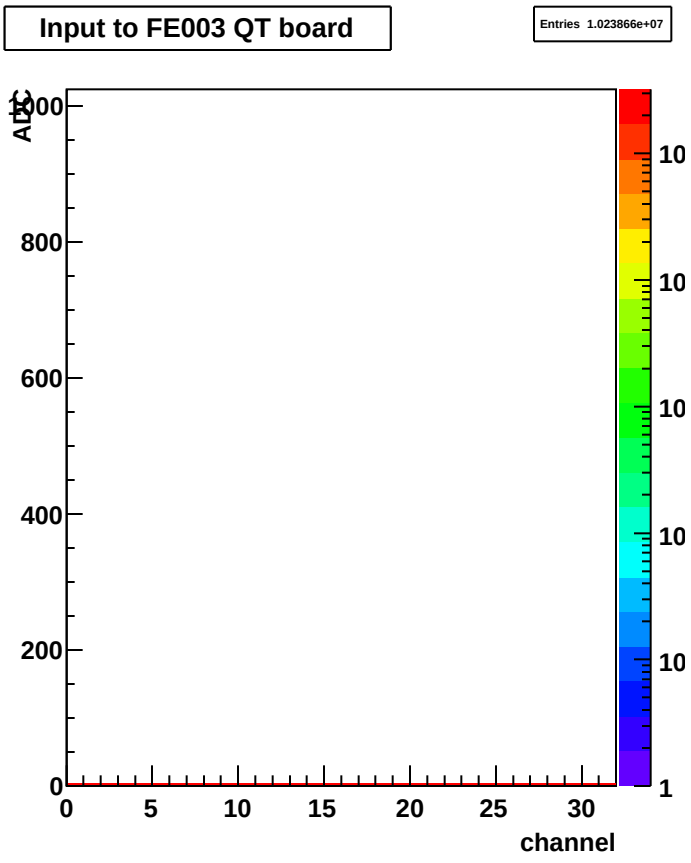

Input to FPD L2 DSM
Entries 959874
HT bits
318037
319958
319958
1921
SMALL
LARGE-S
LARGE-N

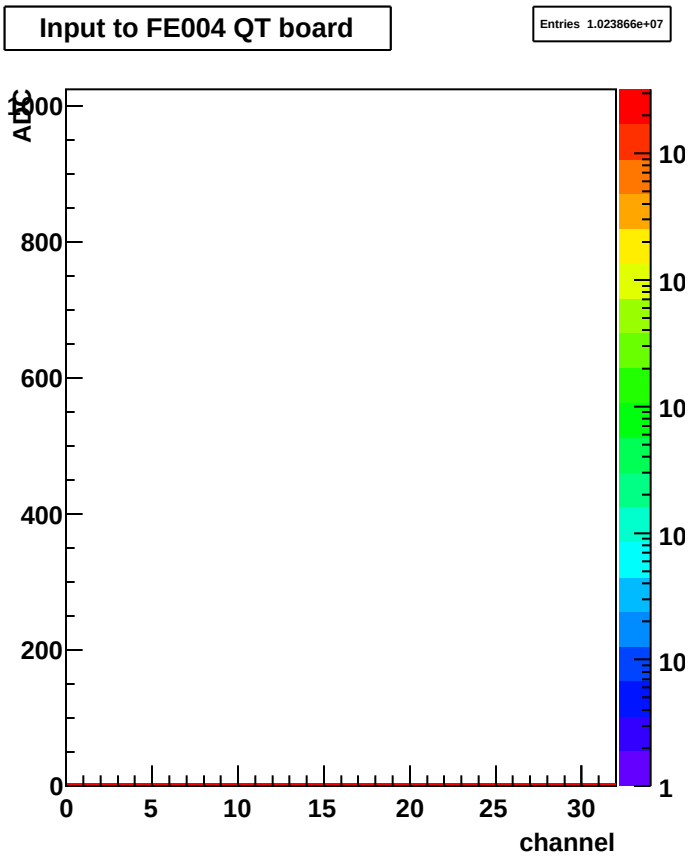

Input to FPD L2 DSM
Entries 959874
HT bits - simulated
318037
319958
319958
1921
SMALL
LARGE-S
LARGE-N

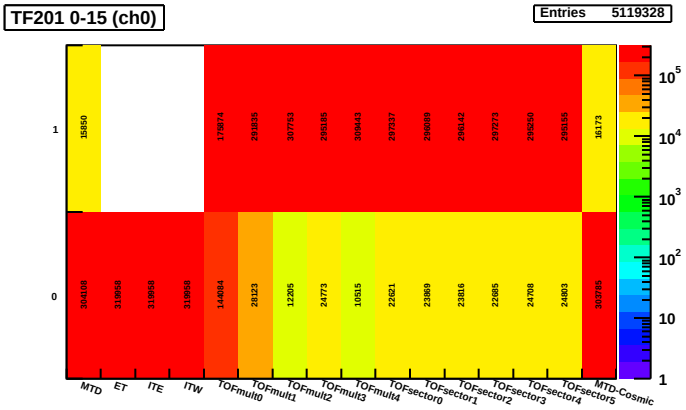

Input to FPD L2 DSM
Entries 1279832
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

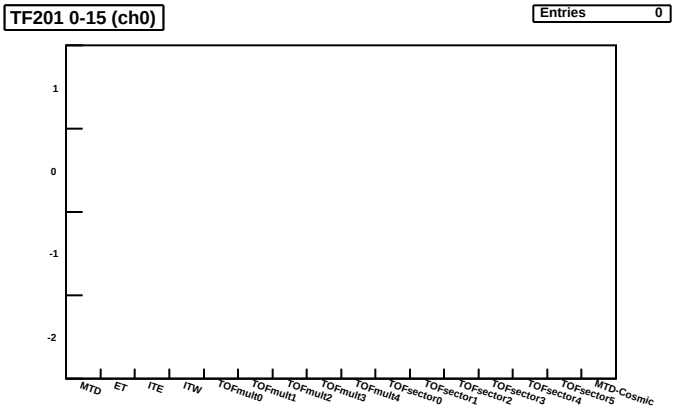

Input to FE001 QT board
Entries 1.023866e+07
ADC
channel

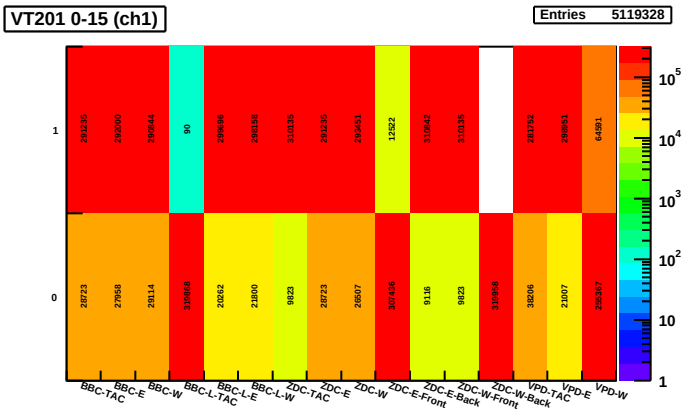

Input to FE002 QT board
Entries 1.023866e+07
ADC
channel

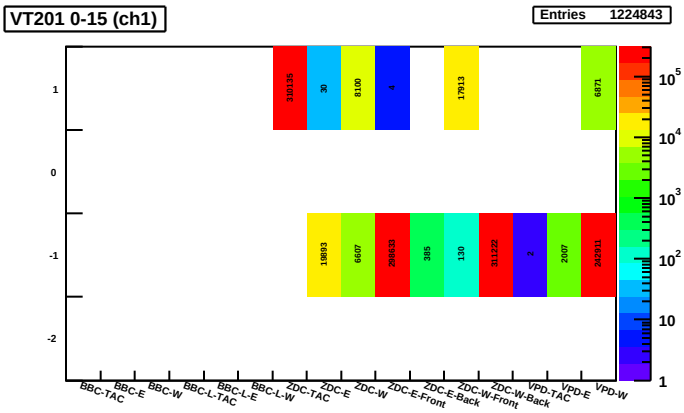

Input to FE003 QT board
Entries 1.023866e+07
ADC
channel

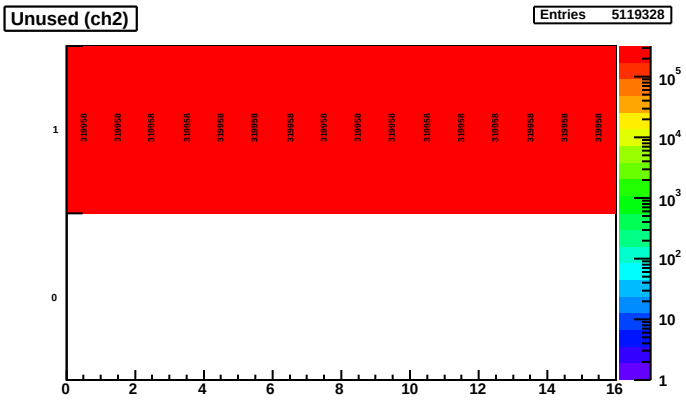

Input to FE004 QT board
Entries 1.023866e+07
ADC
channel

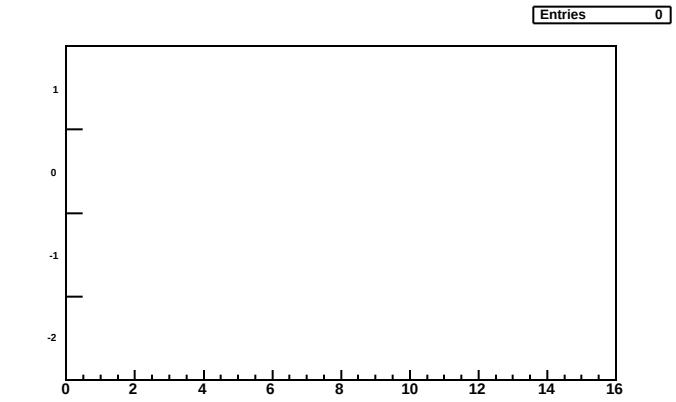

TF201 0-15 (ch0)
Entries 5119328
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

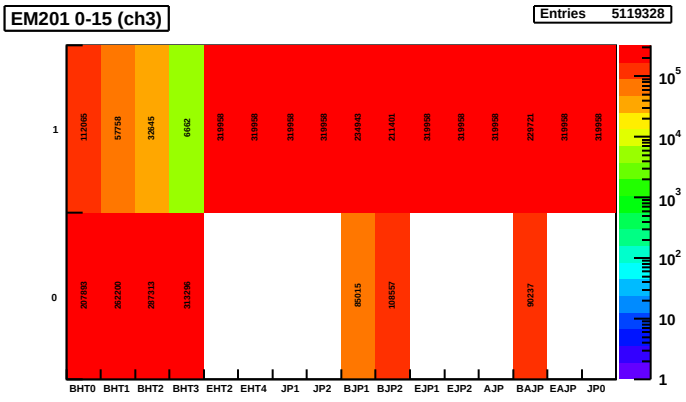

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

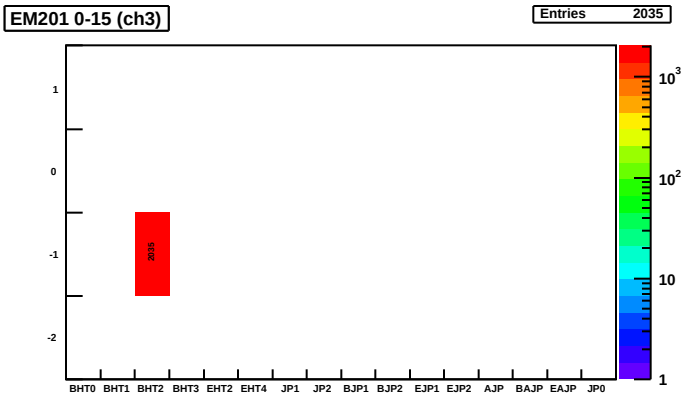

VT201 0-15 (ch1)
Entries 5119328
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1224843
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

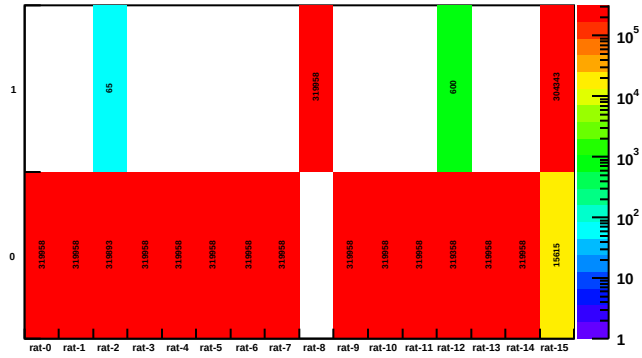

Unused (ch2)
Entries 5119328

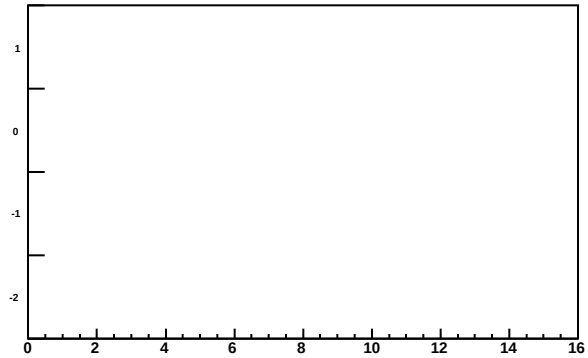

Entries 0


EM201 0-15 (ch3)
Entries 5119328
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

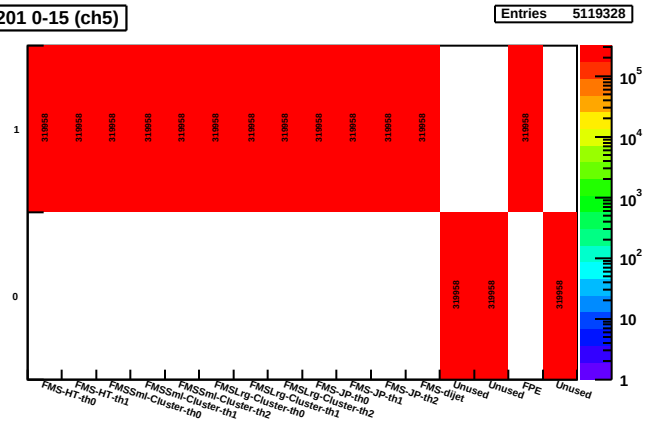

EM201 0-15 (ch3)
Entries 2035
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

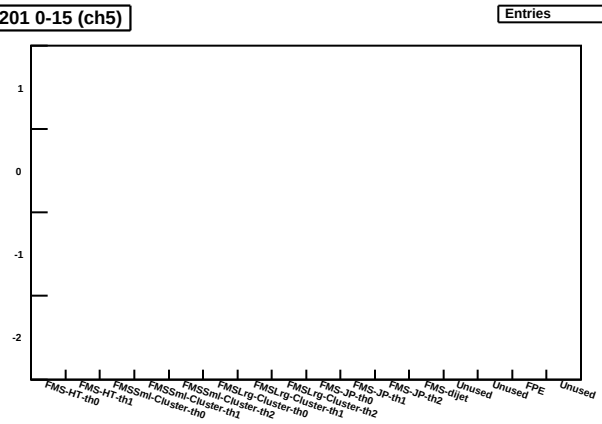




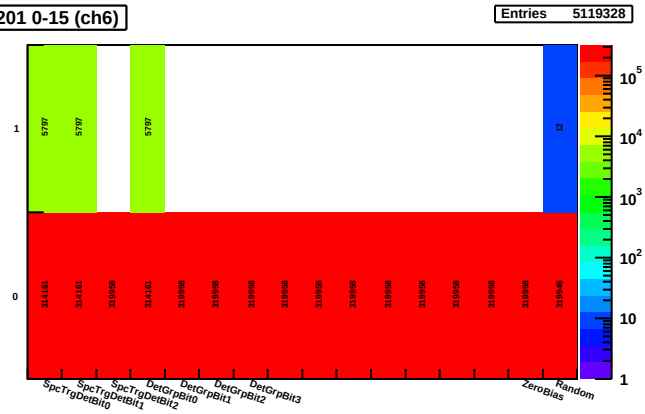
FP201 0-15 (ch5)

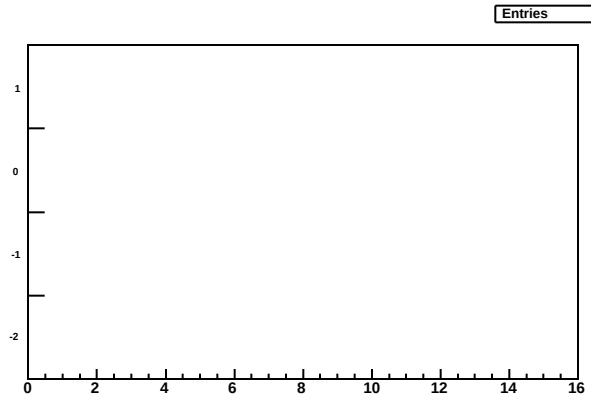
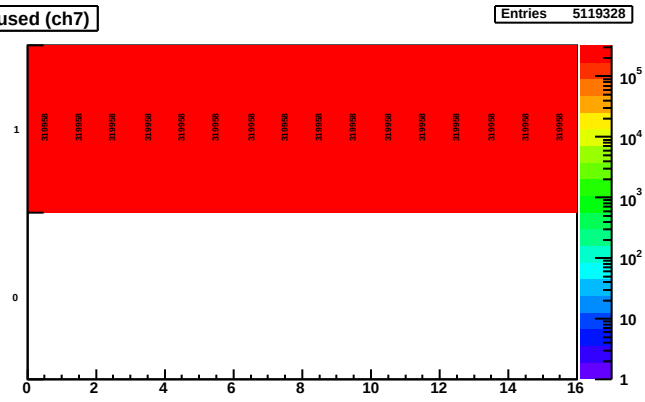
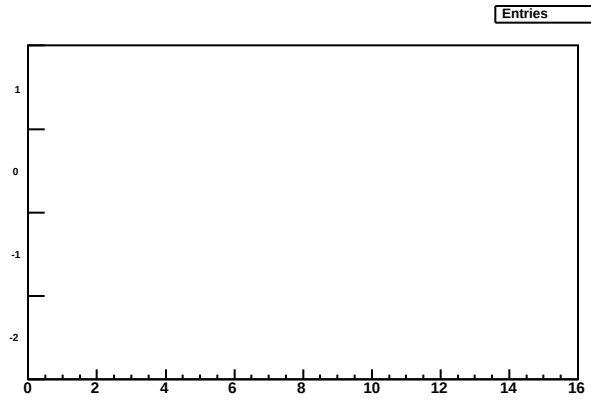


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)