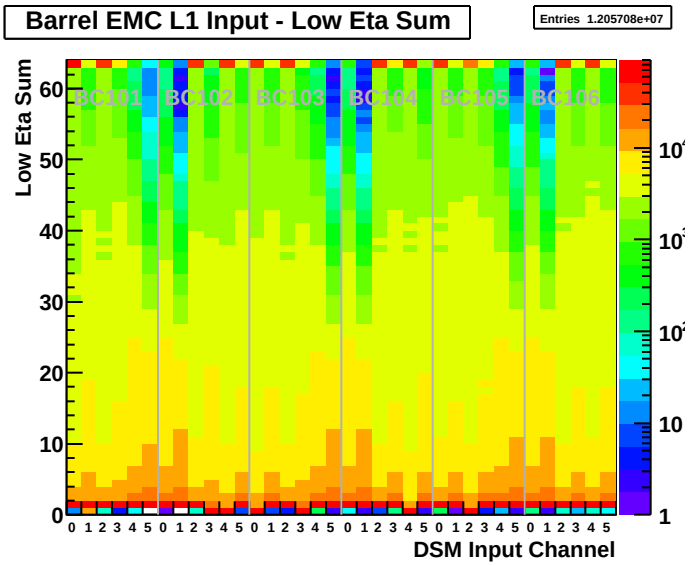
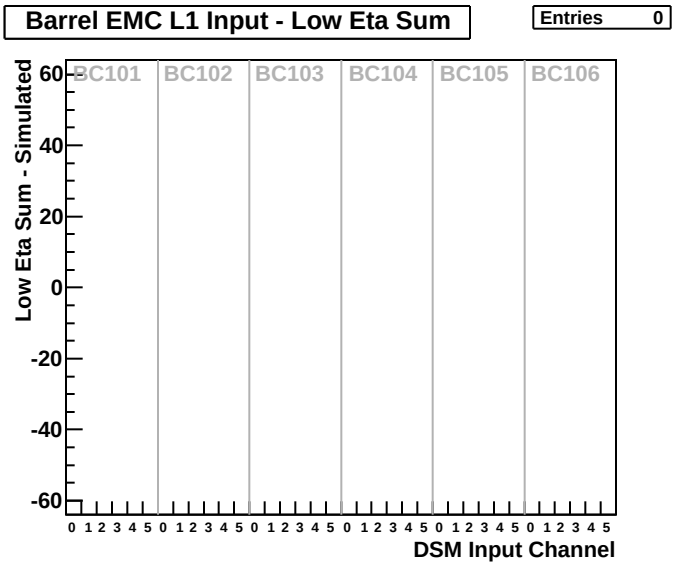
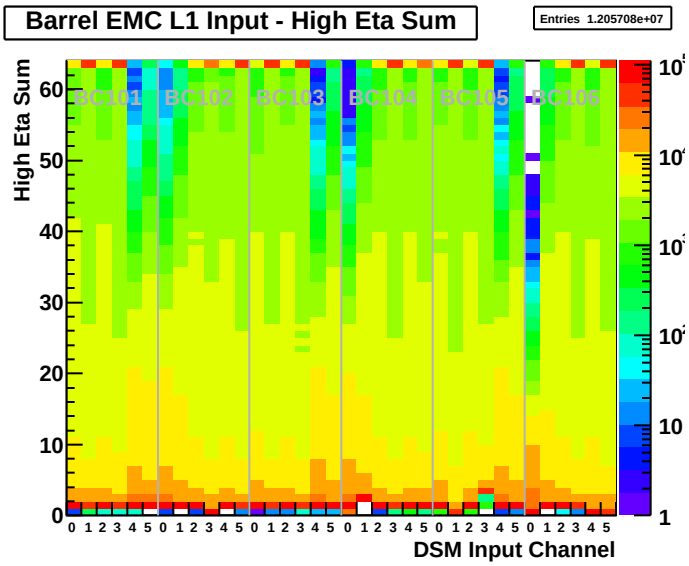
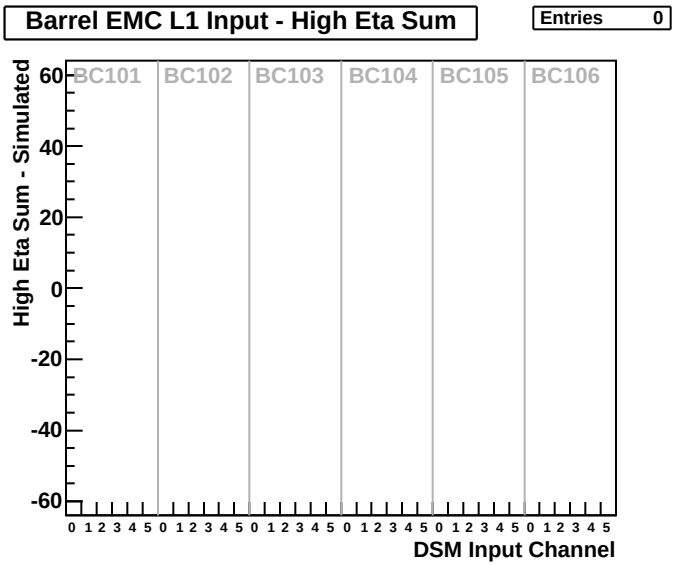
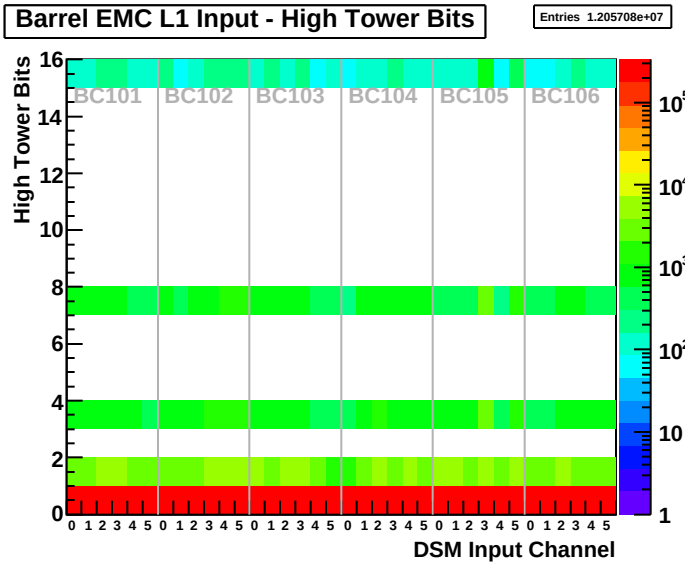
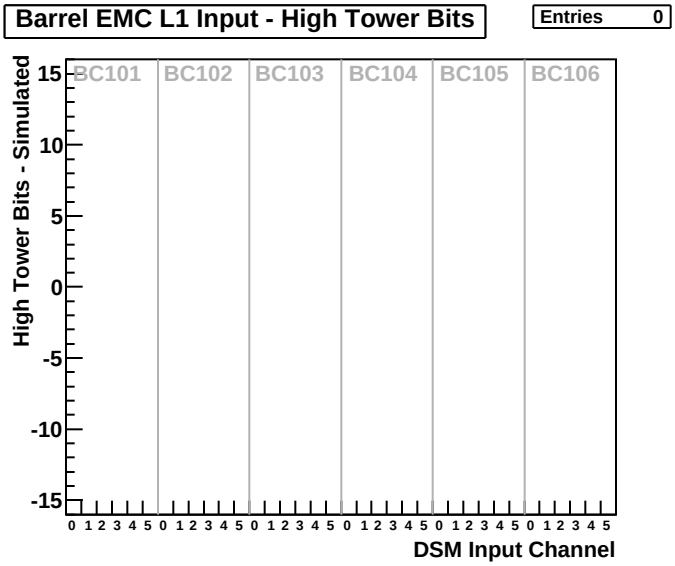

Barrel EMC L1 Input - Low Eta Sum
Entries 1.205708e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

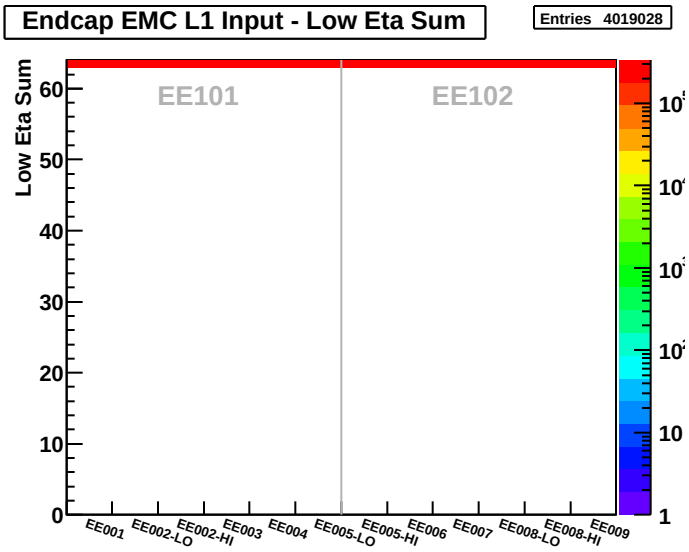

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

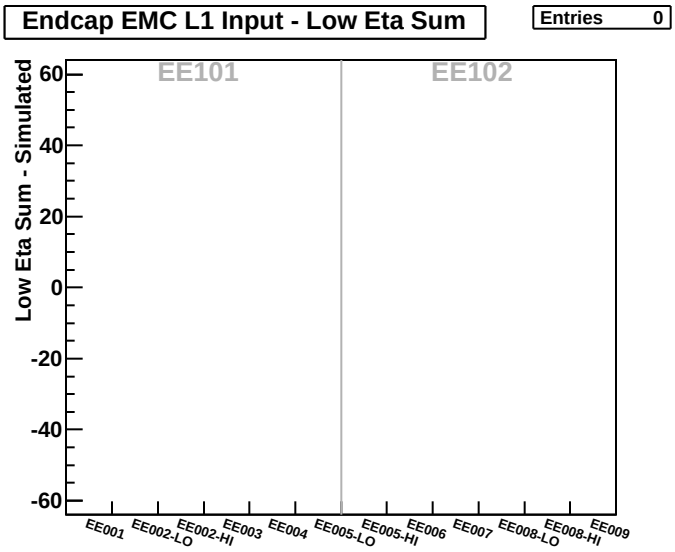

Barrel EMC L1 Input - High Eta Sum
Entries 1.205708e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

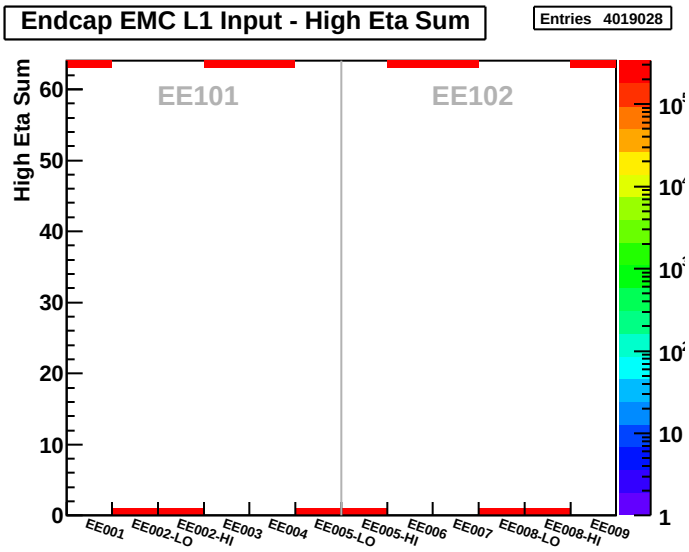

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

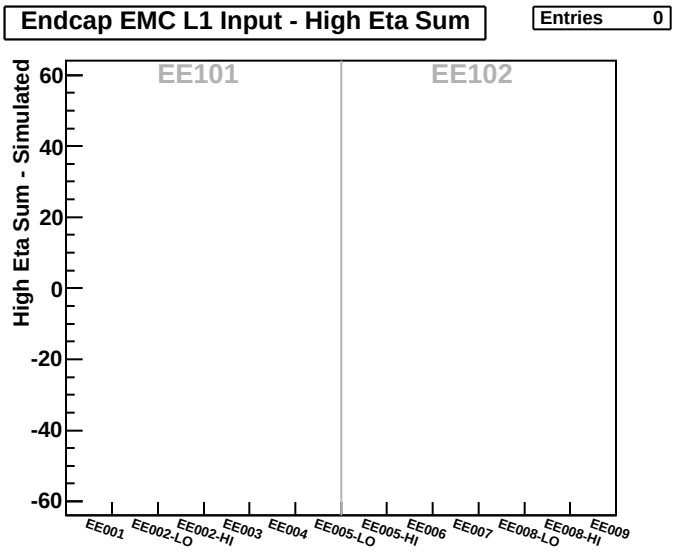

Barrel EMC L1 Input - High Tower Bits
Entries 1.205708e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

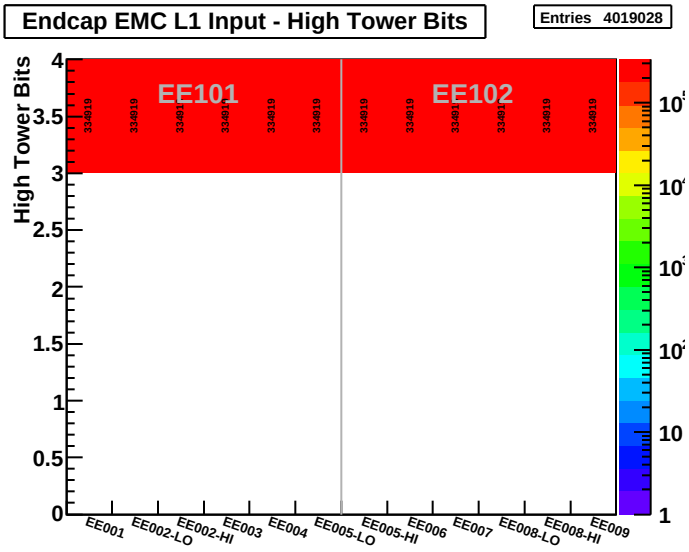

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

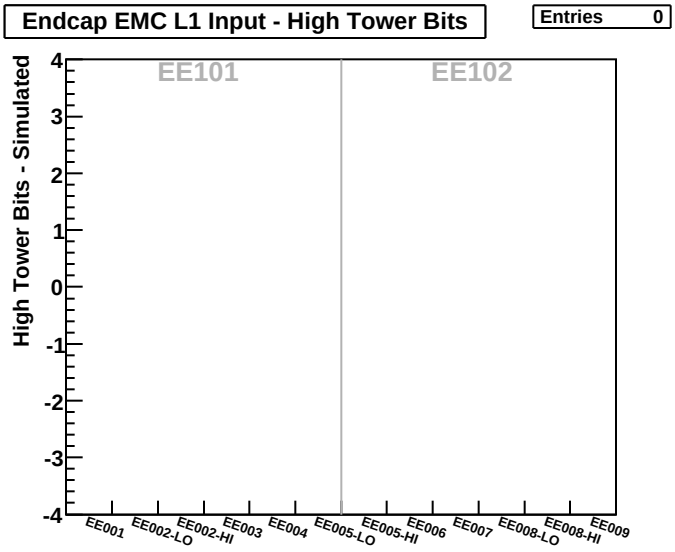

Endcap EMC L1 Input - Low Eta Sum
Entries 4019028
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

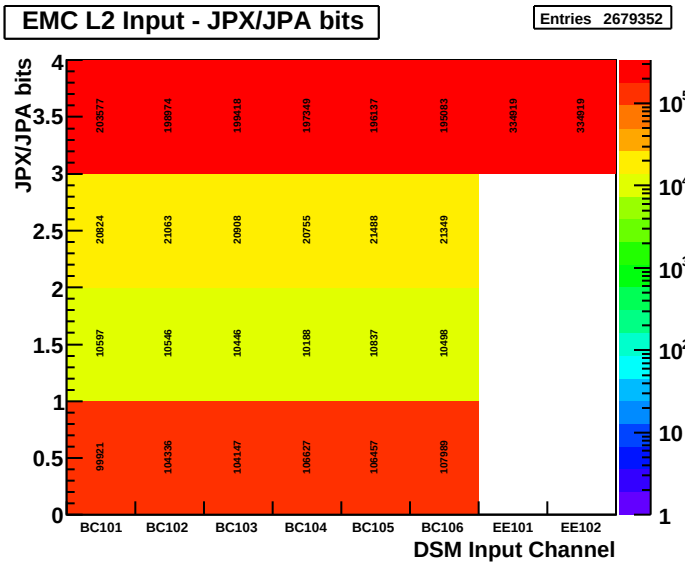

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

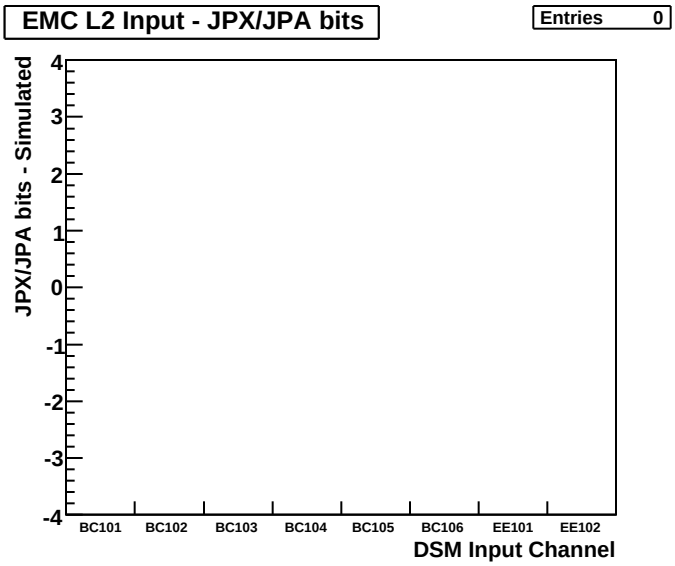

Endcap EMC L1 Input - High Eta Sum
Entries 4019028
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

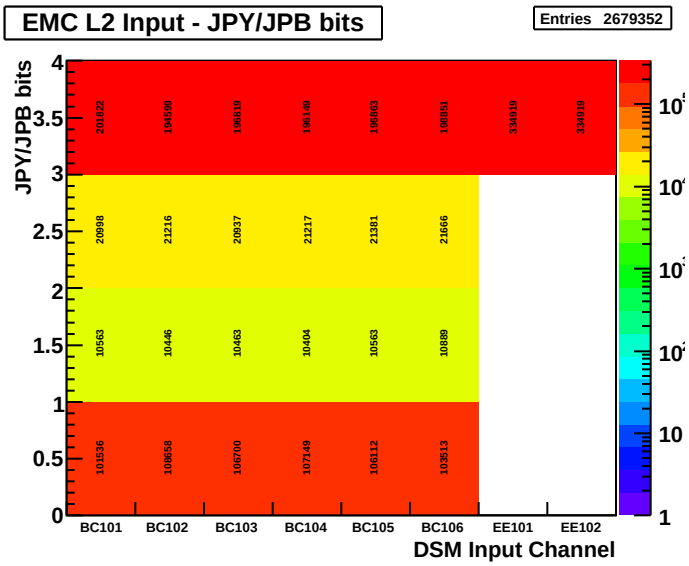

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

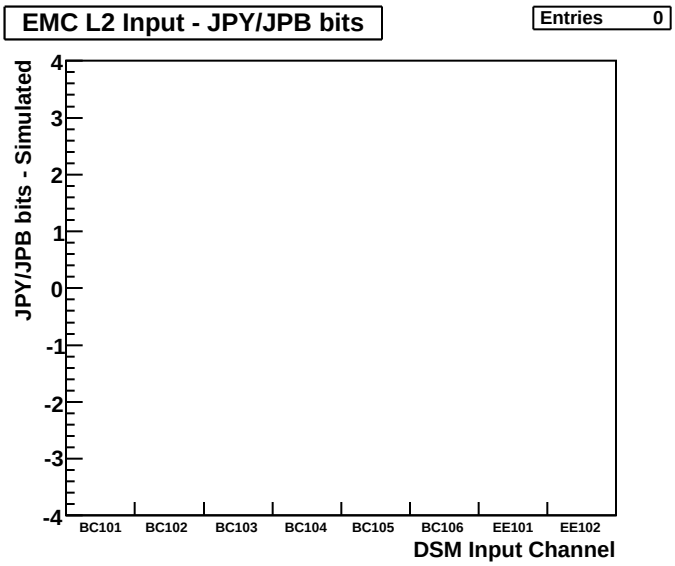

Endcap EMC L1 Input - High Tower Bits
Entries 4019028
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

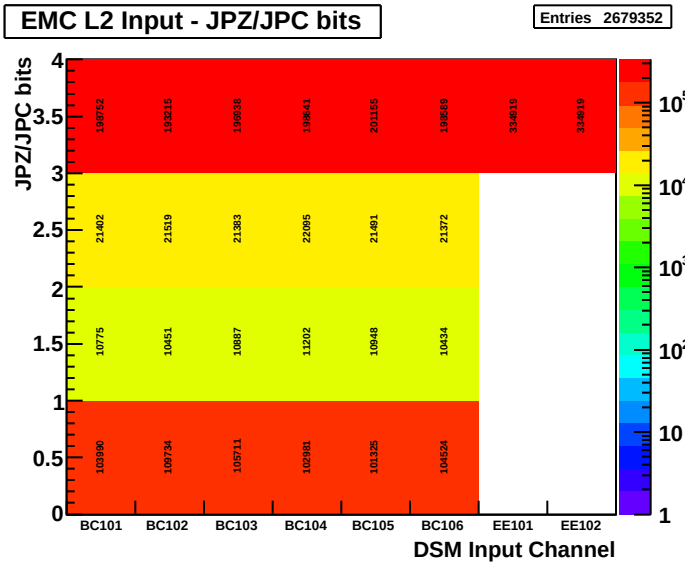

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

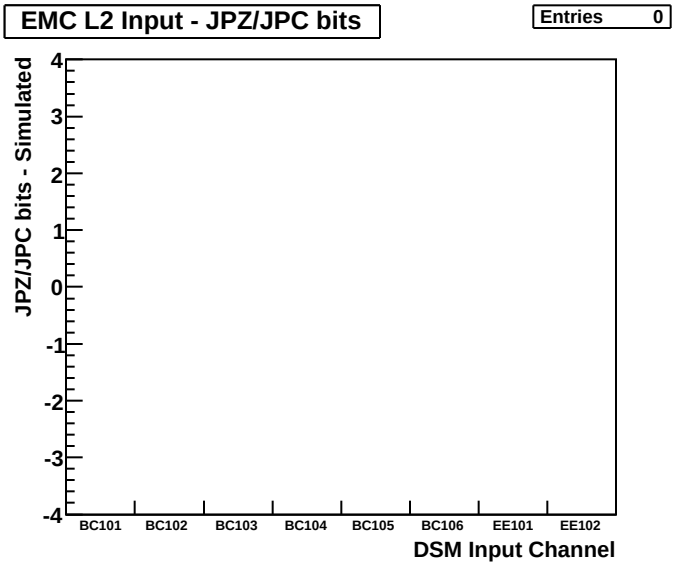

EMC L2 Input - JPX/JPA bits
Entries 2679352
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
203577 198874 199418 197349 196137 195083 334919 334919
20824 21063 20908 20755 21488 21349
10597 10546 10446 10188 10837 10498
99921 104336 104147 106627 106457 107989

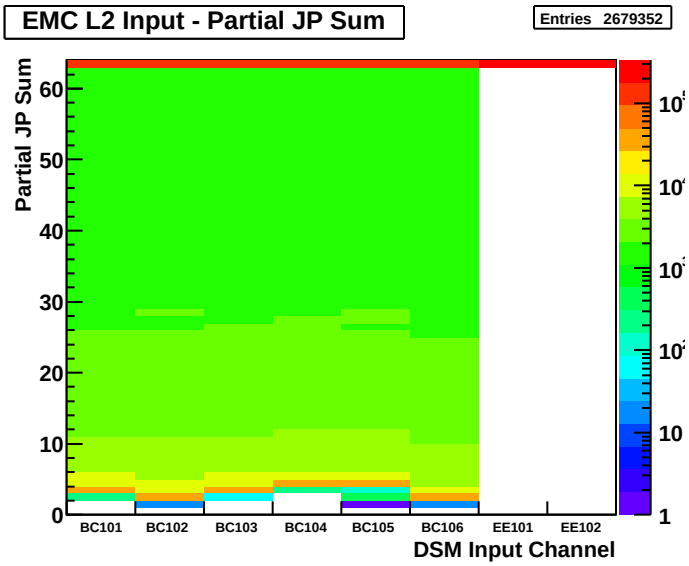

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

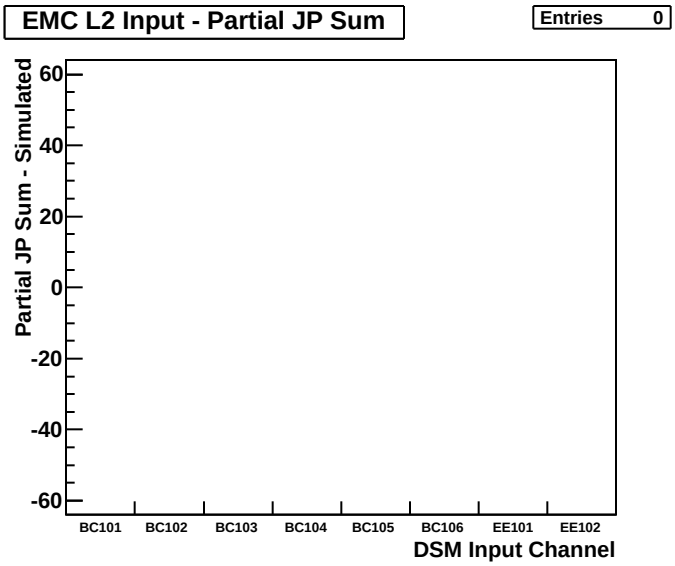

EMC L2 Input - JPY/JPB bits
Entries 2679352
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
201822 194589 196819 196149 196863 198851 334919 334919
20998 21216 20937 21217 21381 21666
10563 10446 10463 10404 10563 10889
101536 108658 106700 107149 106112 103513

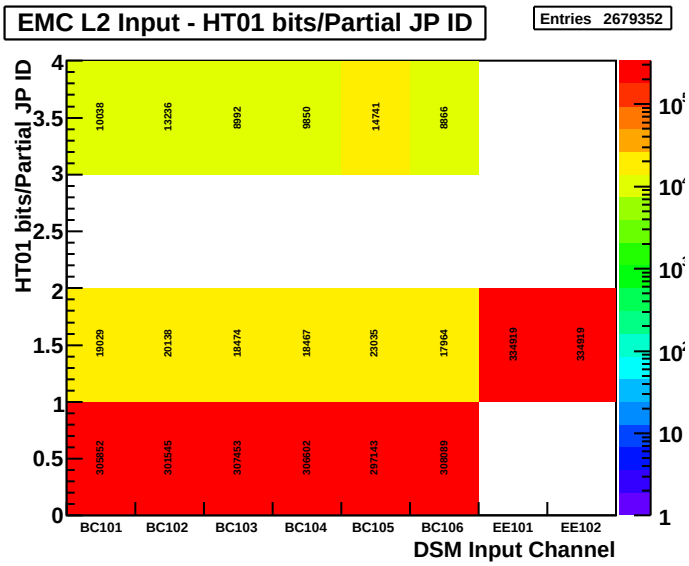

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

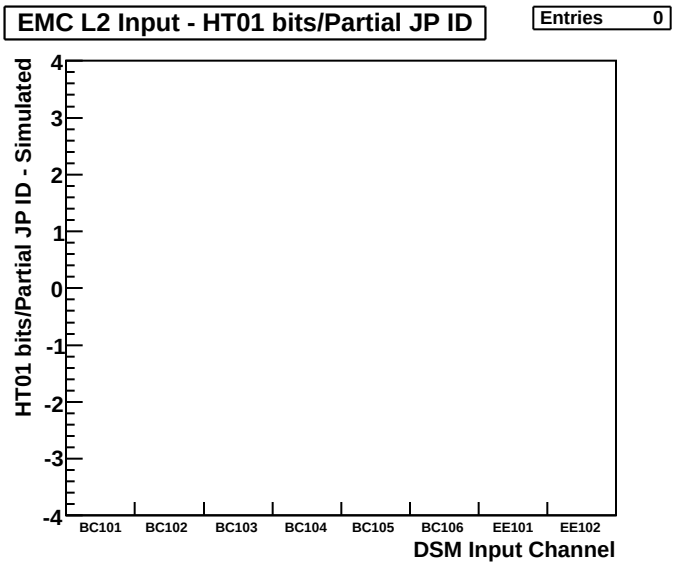

EMC L2 Input - JPZ/JPC bits
Entries 2679352
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
198752 193215 198938 198641 201155 199589 334919 334919
21402 21519 21383 22095 21491 21372
10775 10451 10887 11202 10948 10434
103990 109734 105711 102981 101325 104524

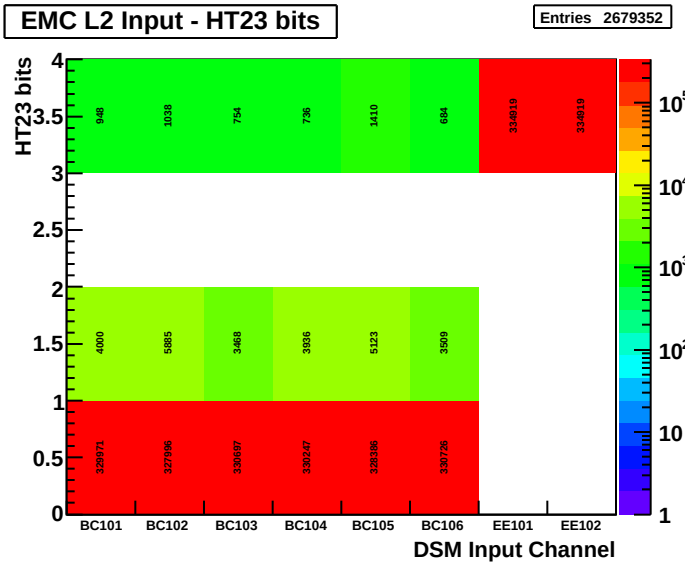

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

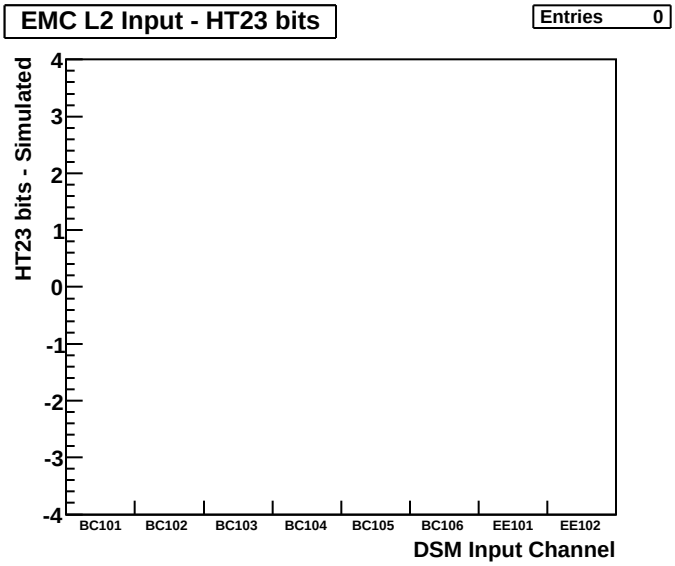

EMC L2 Input - Partial JP Sum
Entries 2679352
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

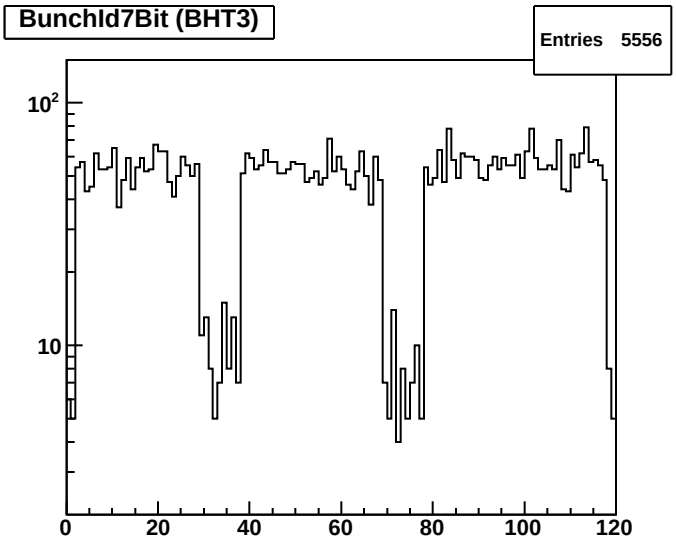

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

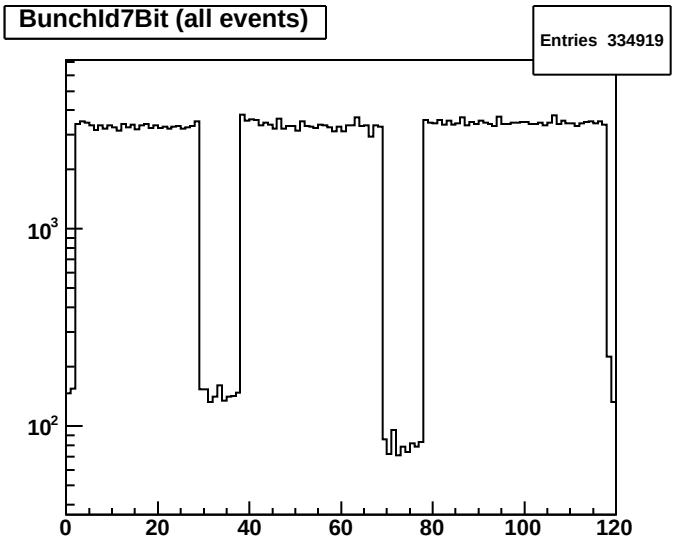

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2679352
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

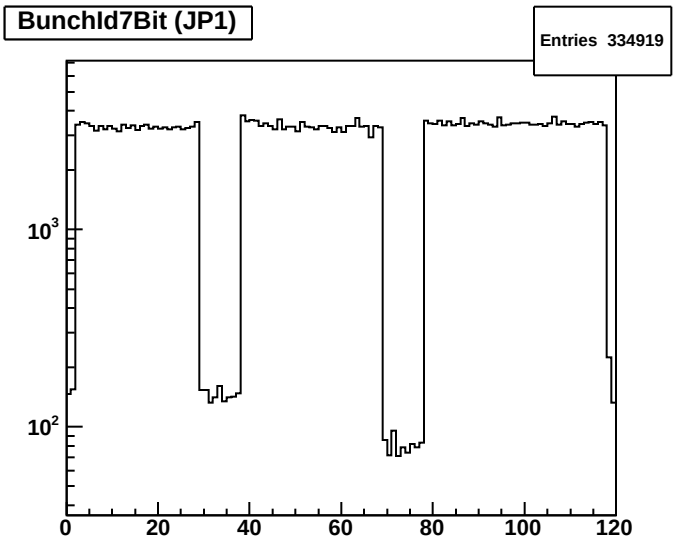

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

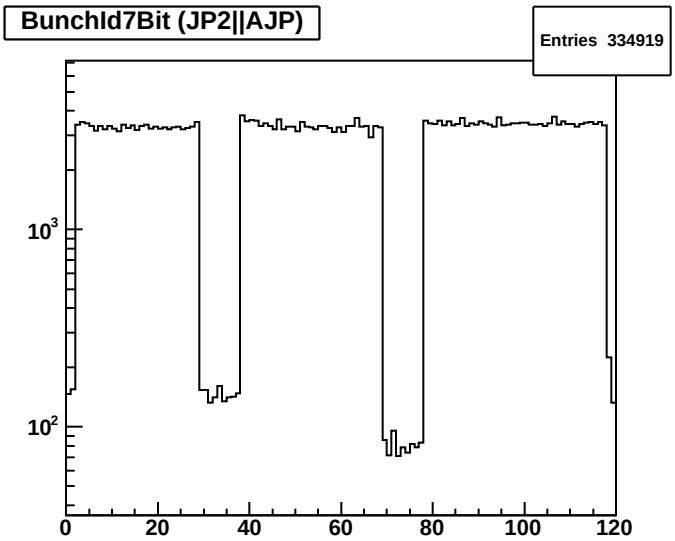

EMC L2 Input - HT23 bits
Entries 2679352
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

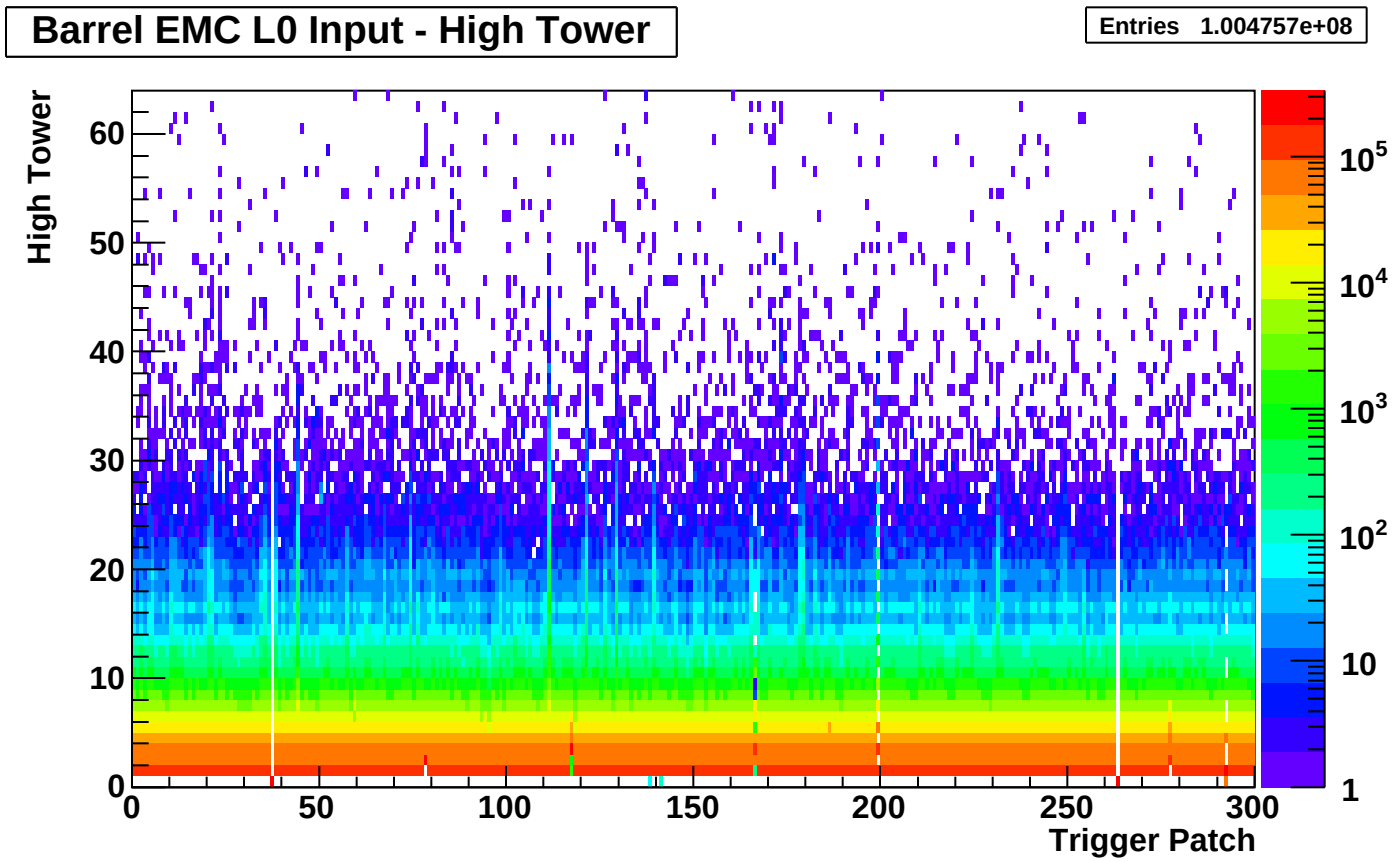

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

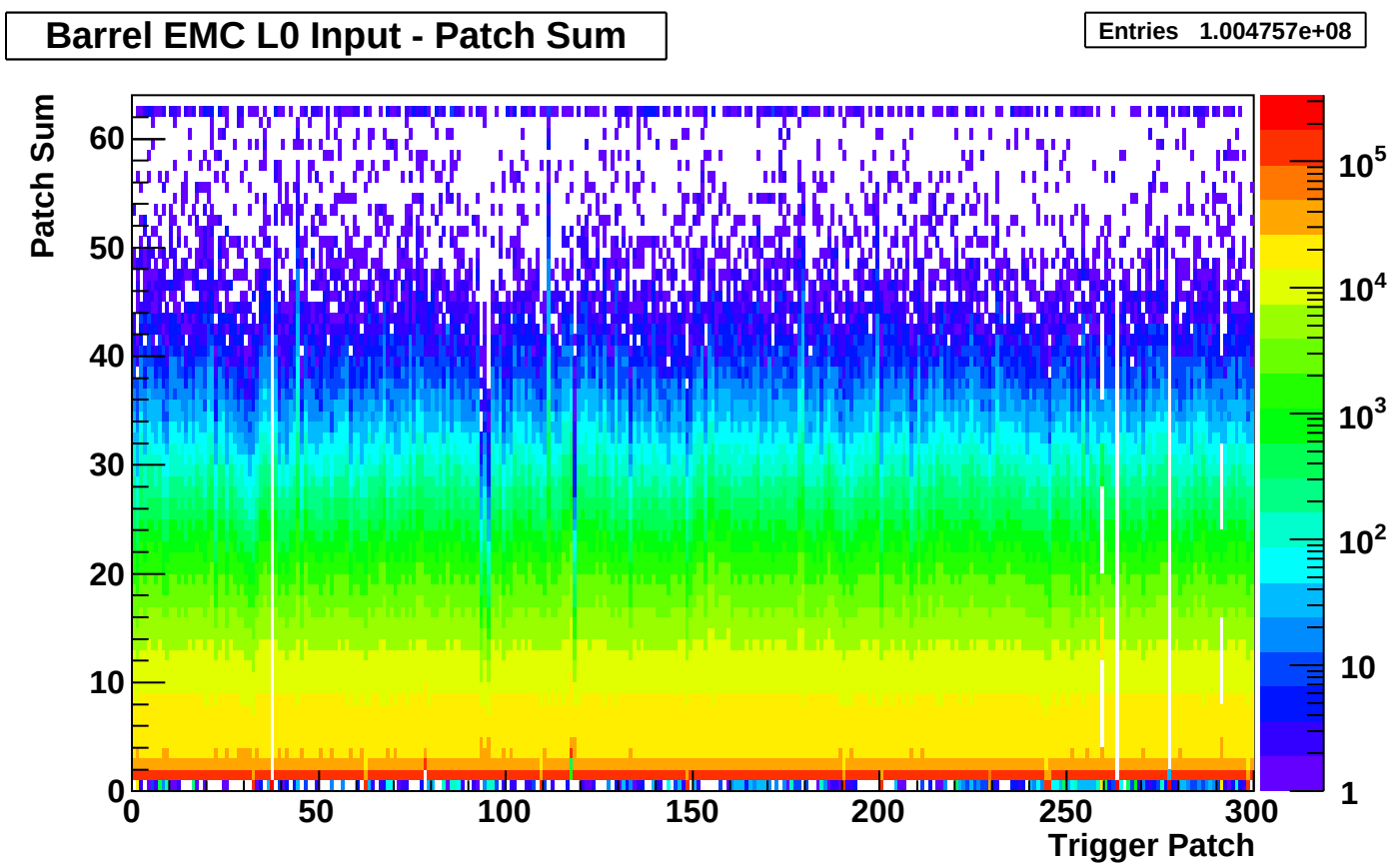

BunchId7Bit (BHT3)
Entries 5556
10^2
10
0
20
40
60
80
100
120

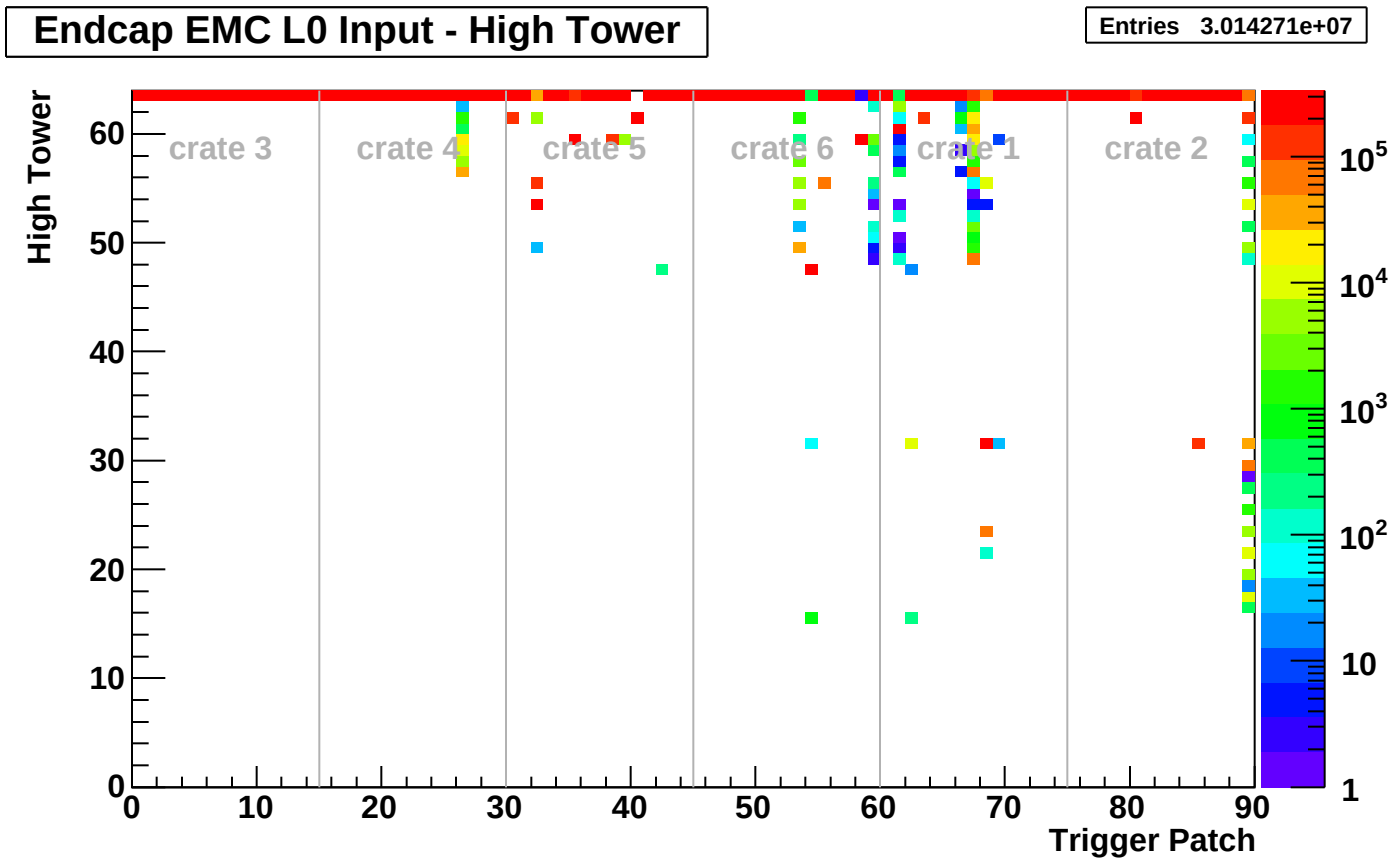

BunchId7Bit (all events)
Entries 334919
10^3
10^2
0
20
40
60
80
100
120

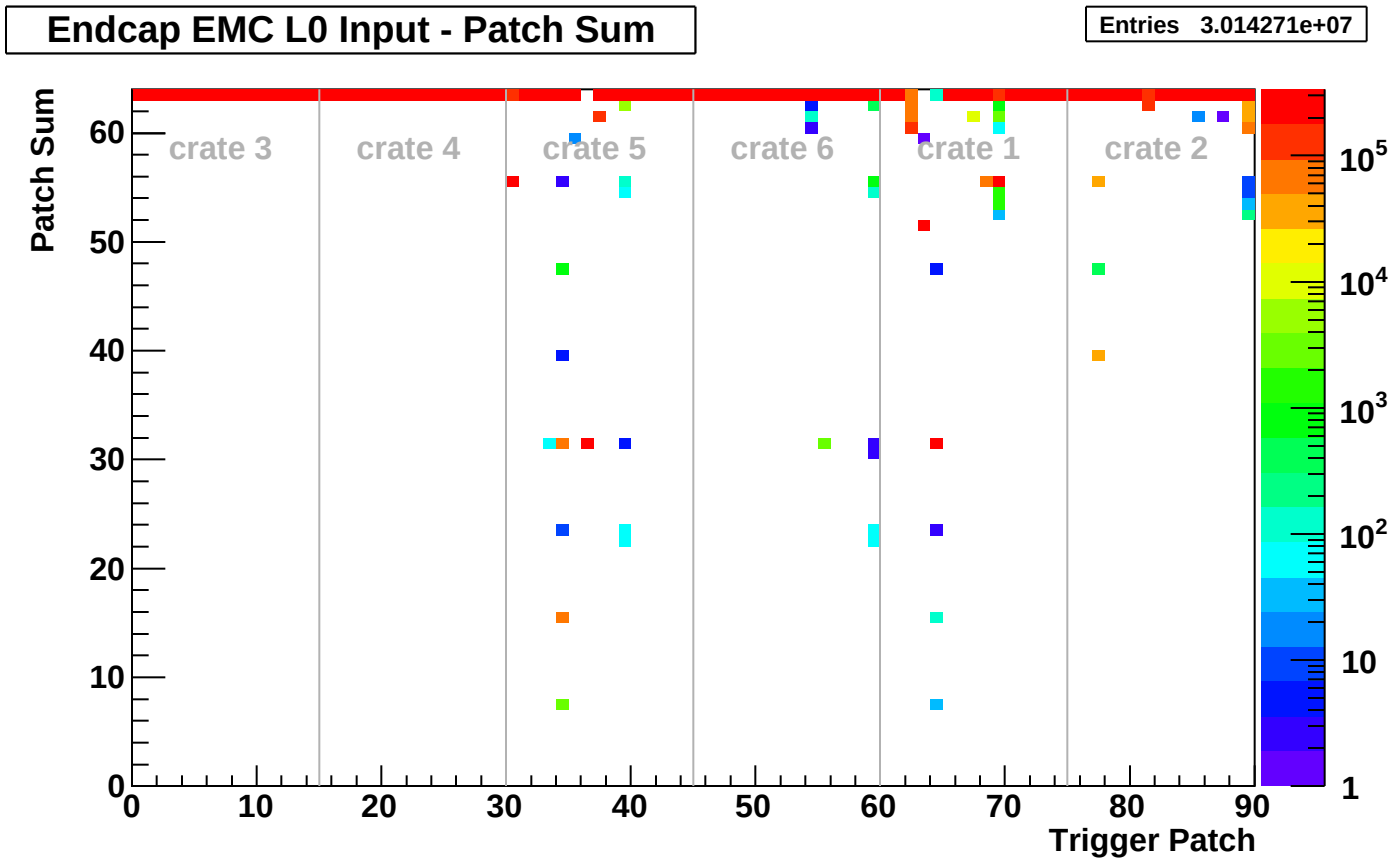

BunchId7Bit (JP1)
Entries 334919
10^3
10^2
0
20
40
60
80
100
120

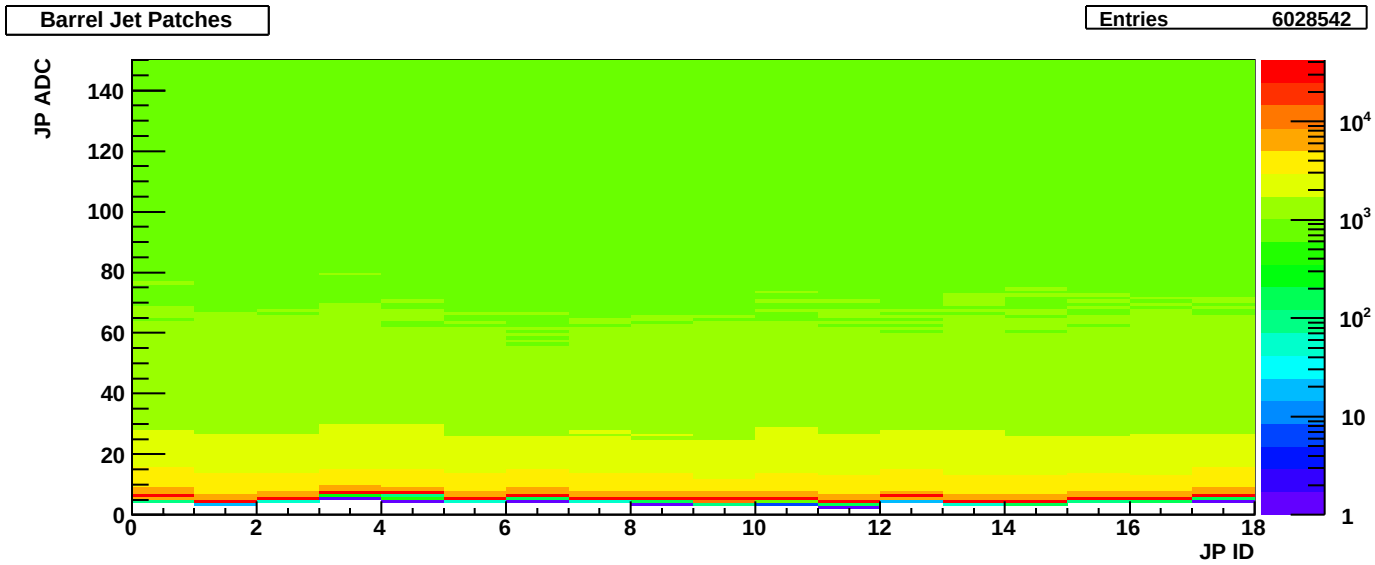

BunchId7Bit (JP2||AJP)
Entries 334919
10^3
10^2
0
20
40
60
80
100
120

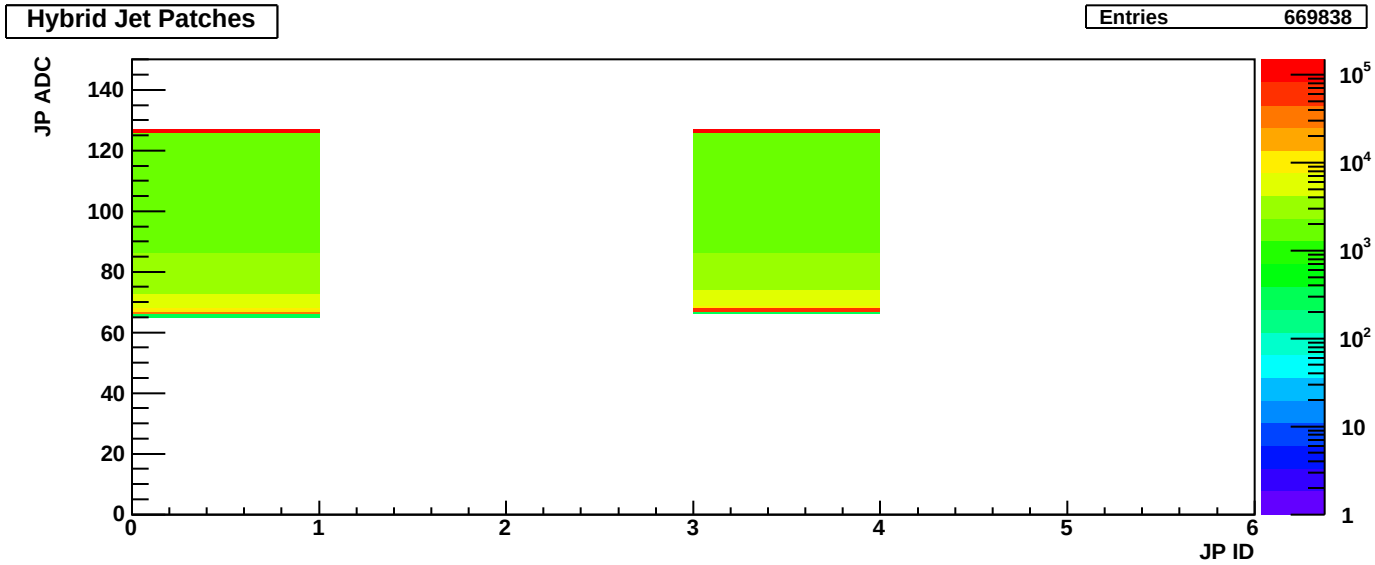

Barrel EMC L0 Input - High Tower
Entries 1.004757e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

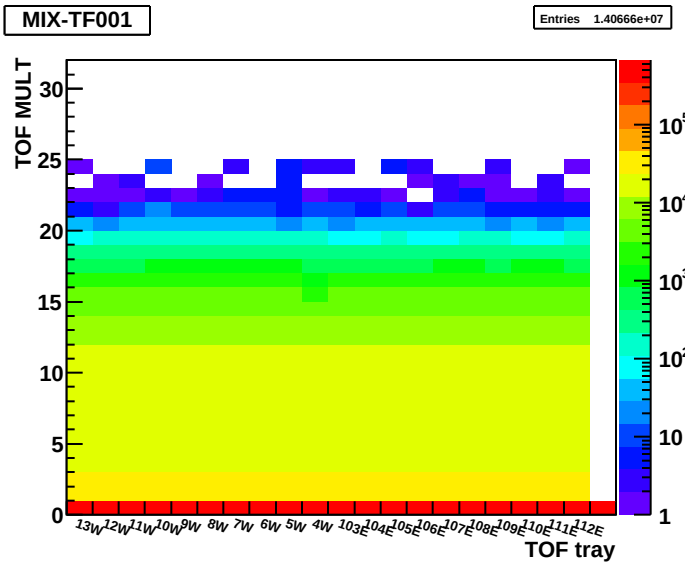

Barrel EMC L0 Input - Patch Sum
Entries 1.004757e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

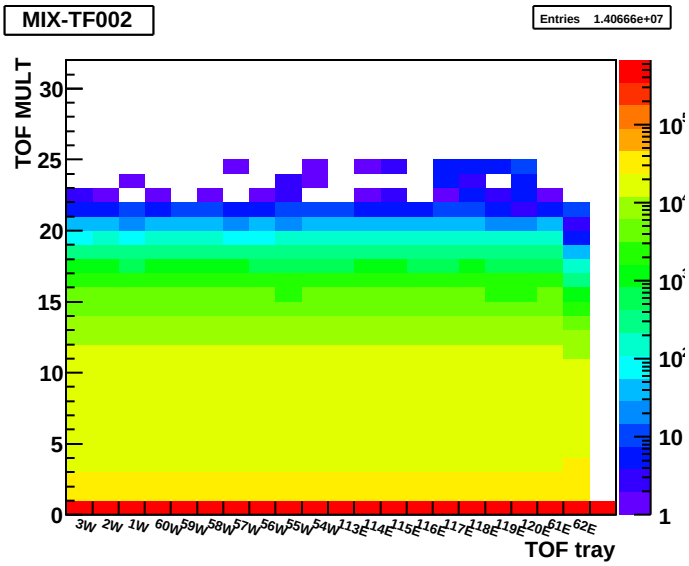

Endcap EMC L0 Input - High Tower
Entries 3.014271e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

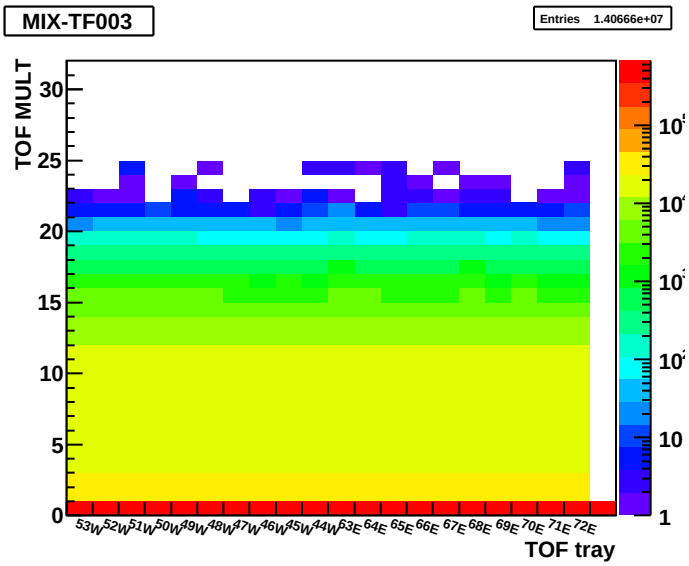

Endcap EMC L0 Input - Patch Sum
Entries 3.014271e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

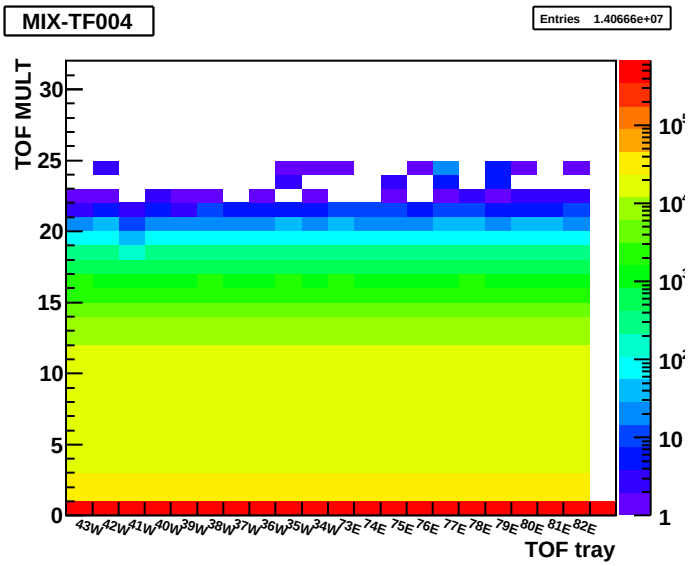

Barrel Jet Patches
Entries 6028542
JP ADC
JP ID

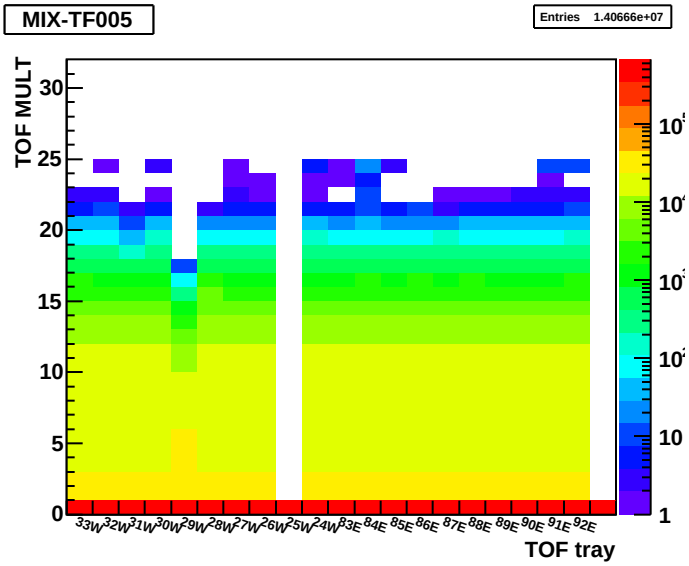

Hybrid Jet Patches
Entries 669838
JP ADC
JP ID

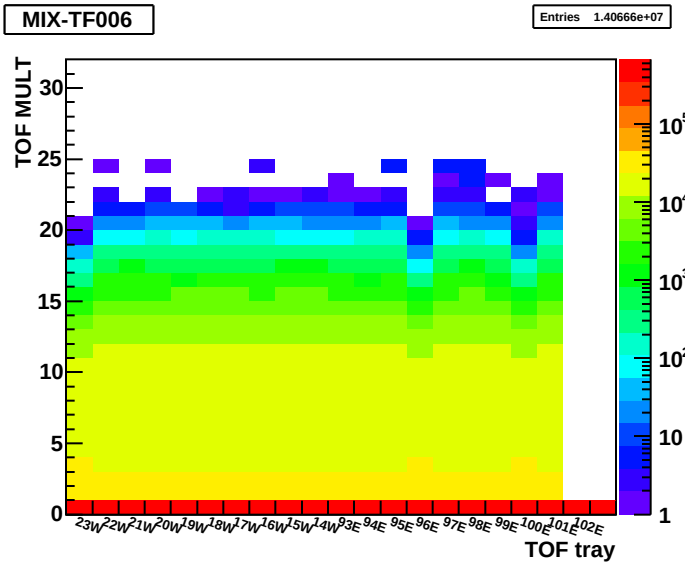

MIX-TF001
Entries 1.40666e+07
TOF MULT
TOF tray

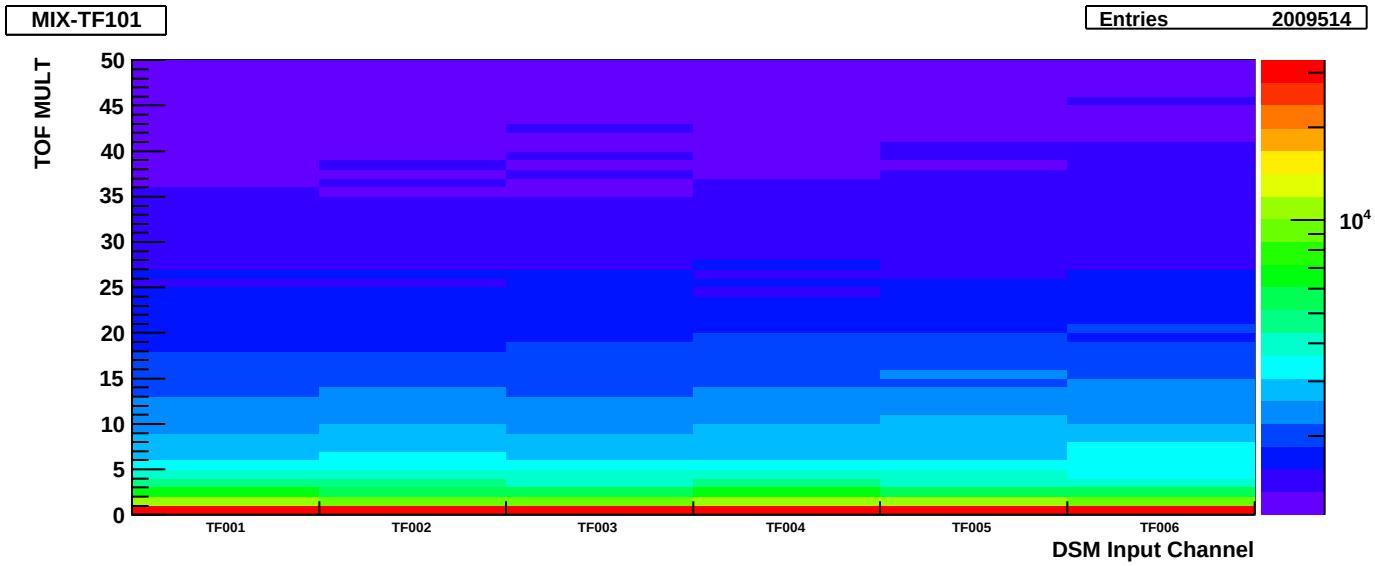

MIX-TF002
Entries 1.40666e+07
TOF MULT
TOF tray

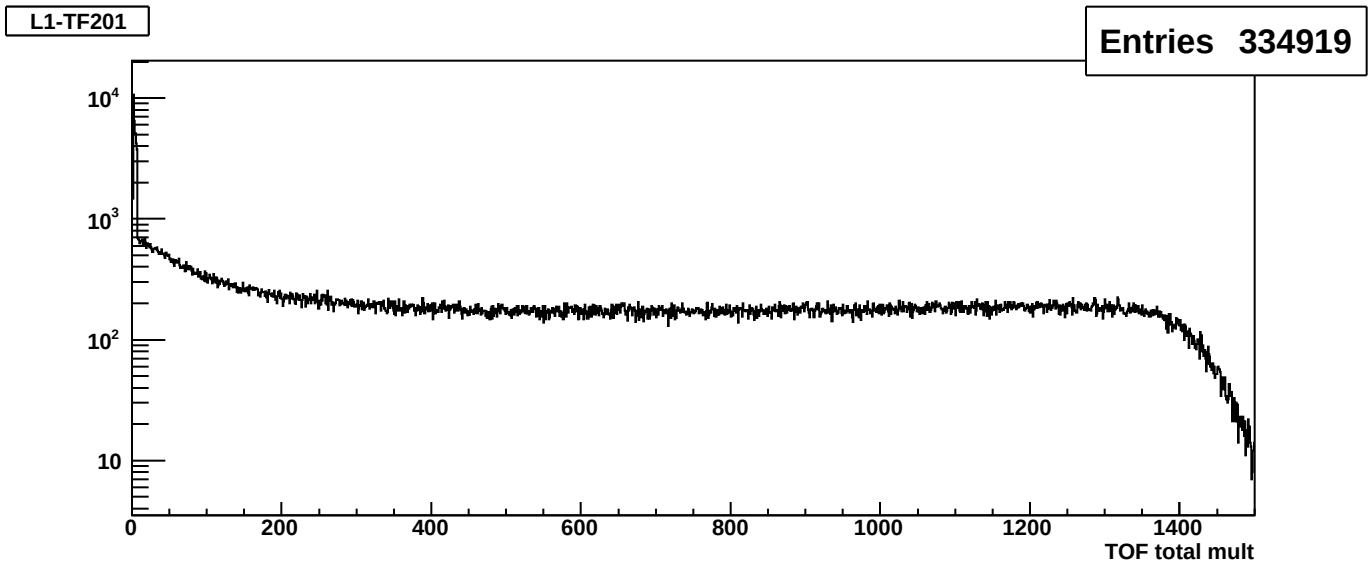

MIX-TF003
Entries 1.40666e+07
TOF MULT
TOF tray

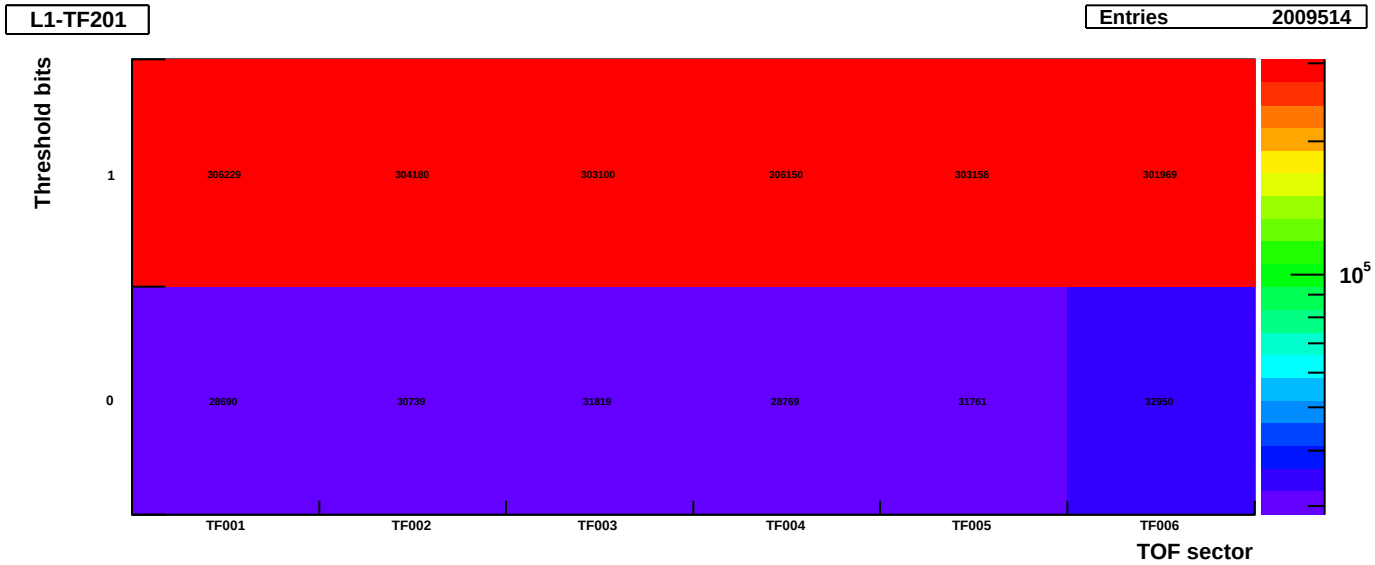

MIX-TF004
Entries 1.40666e+07
TOF MULT
TOF tray

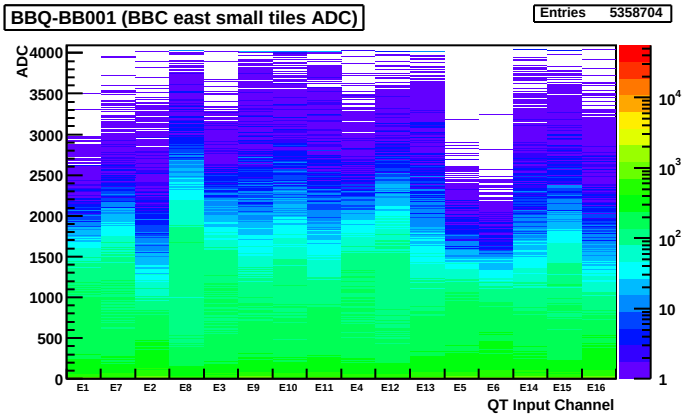

MIX-TF005
Entries 1.40666e+07
TOF MULT
TOF tray

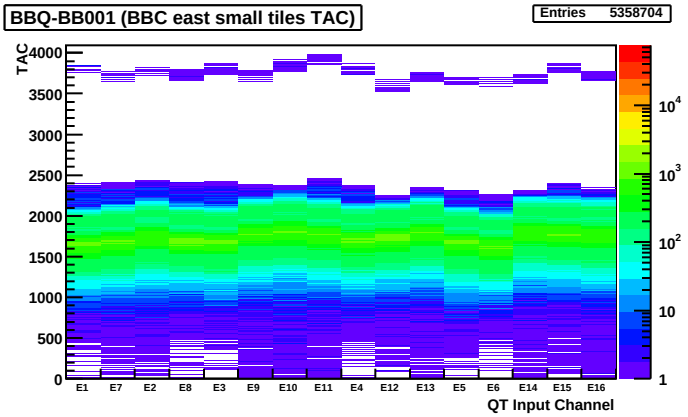

MIX-TF006
Entries 1.40666e+07
TOF MULT
TOF tray

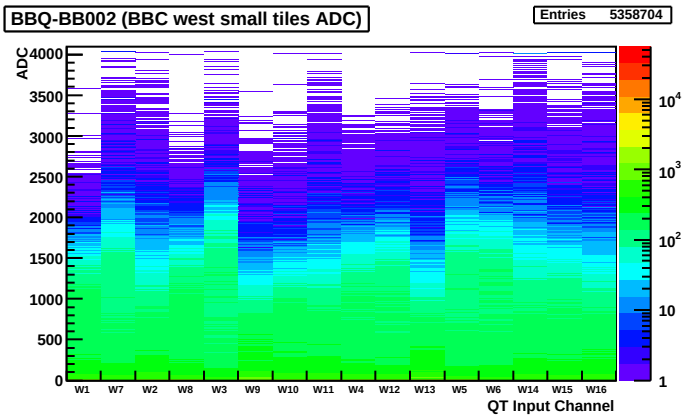

MIX-TF101
Entries 2009514
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

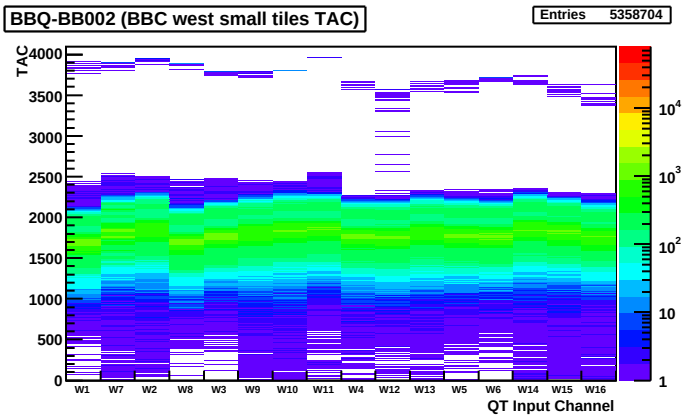

L1-TF201
Entries 334919
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

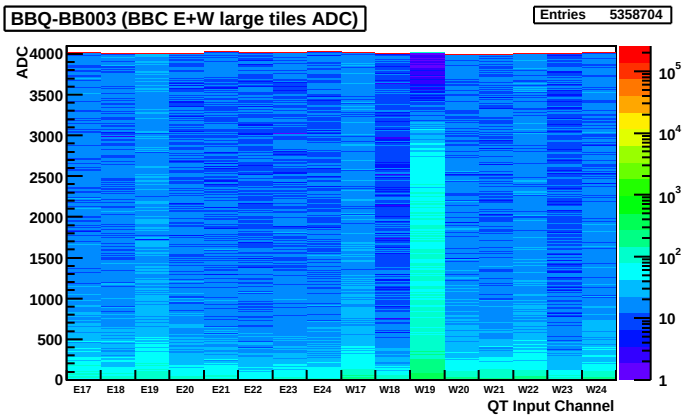

L1-TF201
Entries 2009514
Threshold bits
1
0
306229
304180
303100
306150
303158
301969
28690
30739
31819
28769
31761
32950
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

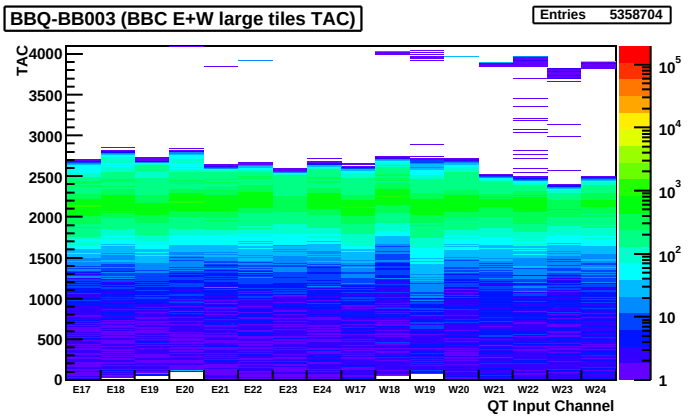

BBQ-BB001 (BBC east small tiles ADC)
Entries 5358704
ADC
QT Input Channel

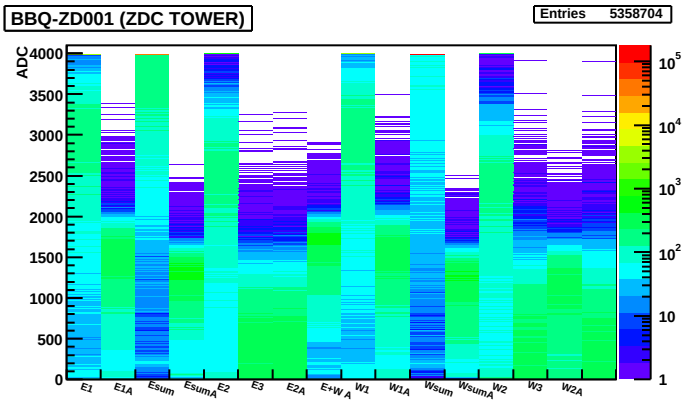

BBQ-BB001 (BBC east small tiles TAC)
Entries 5358704
TAC
QT Input Channel

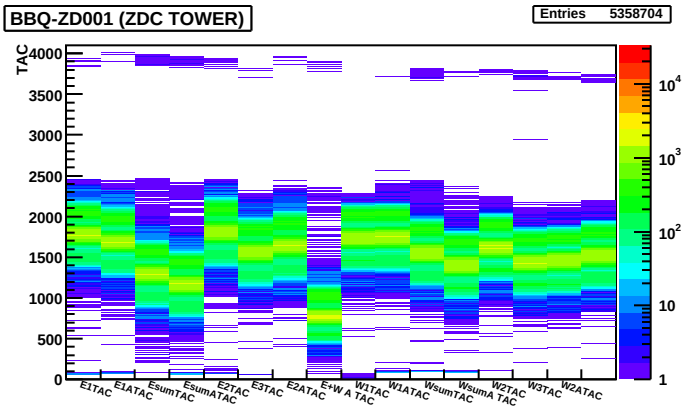

BBQ-BB002 (BBC west small tiles ADC)
Entries 5358704
ADC
QT Input Channel

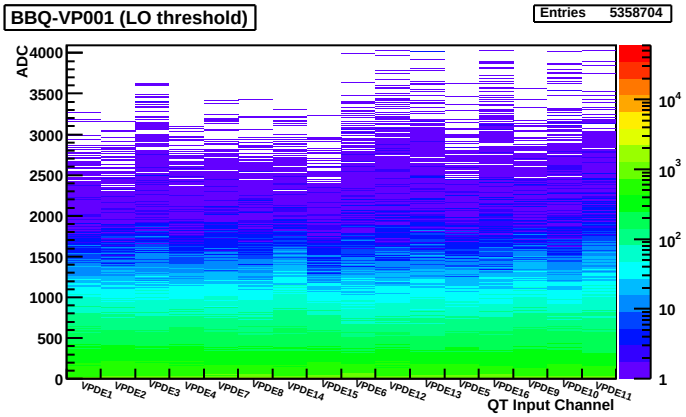

BBQ-BB002 (BBC west small tiles TAC)
Entries 5358704
TAC
QT Input Channel

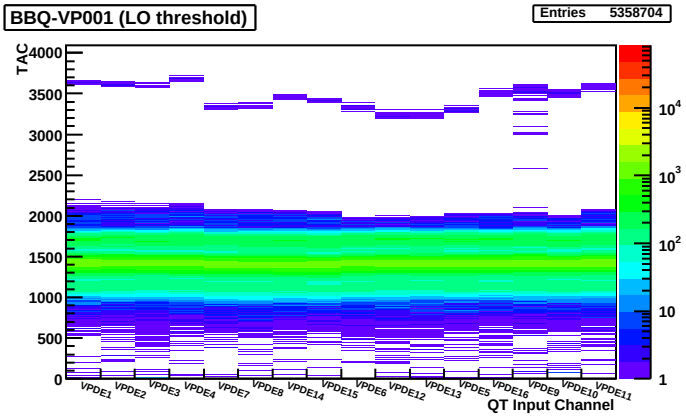

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5358704
ADC
QT Input Channel

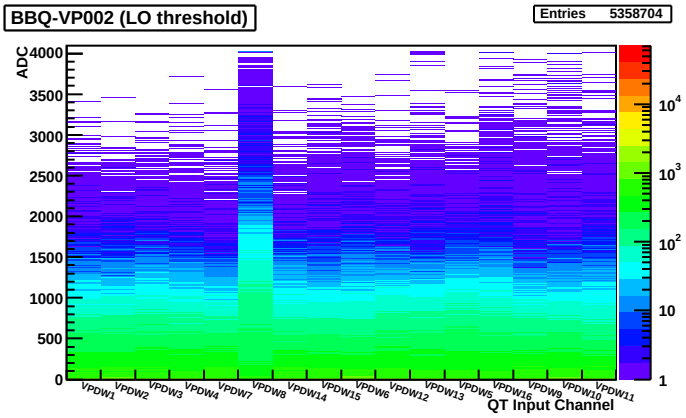

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5358704
TAC
QT Input Channel

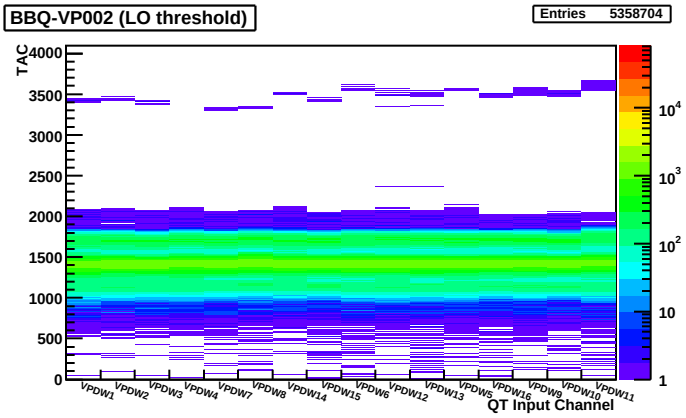

BBQ-ZD001 (ZDC TOWER)
Entries 5358704
ADC

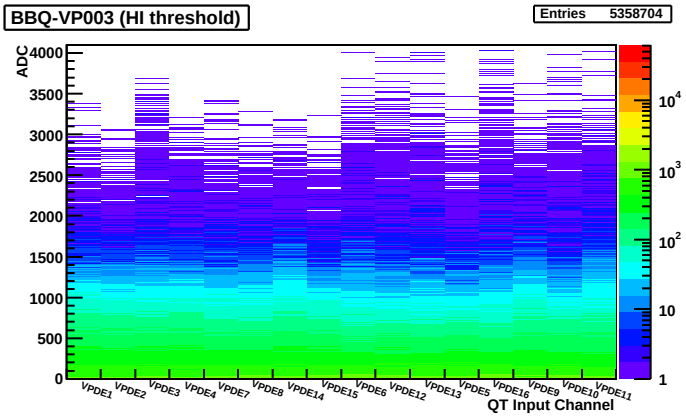

BBQ-ZD001 (ZDC TOWER)
Entries 5358704
TAC

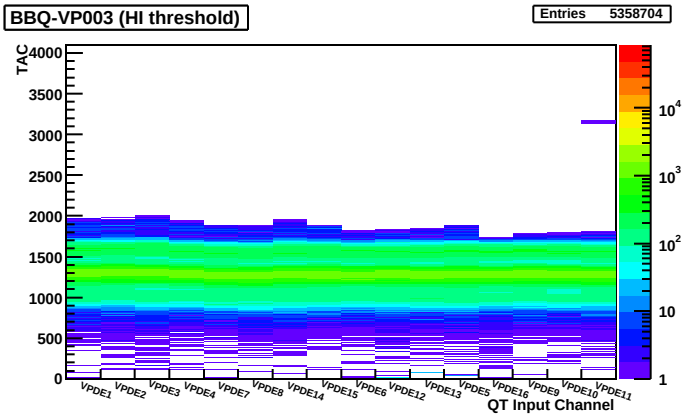

BBQ-VP001 (LO threshold)
Entries 5358704
ADC
QT Input Channel

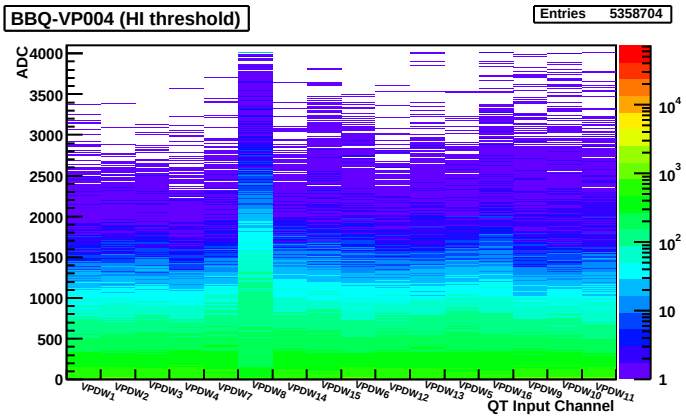

BBQ-VP001 (LO threshold)
Entries 5358704
TAC
QT Input Channel

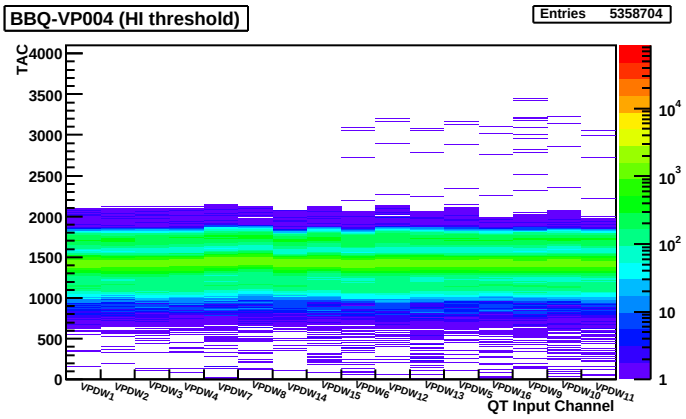

BBQ-VP002 (LO threshold)
Entries 5358704
ADC
QT Input Channel

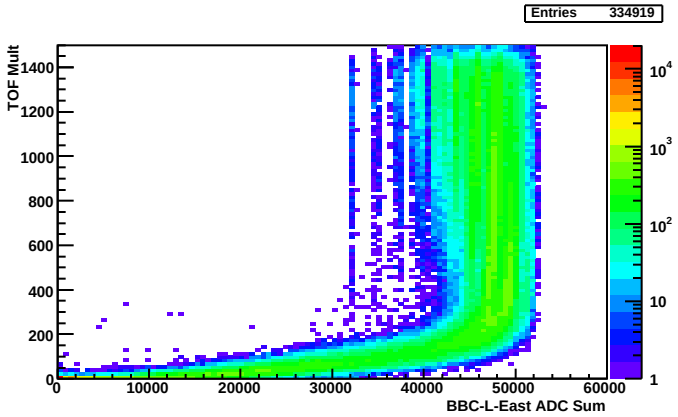

BBQ-VP002 (LO threshold)
Entries 5358704
TAC
QT Input Channel

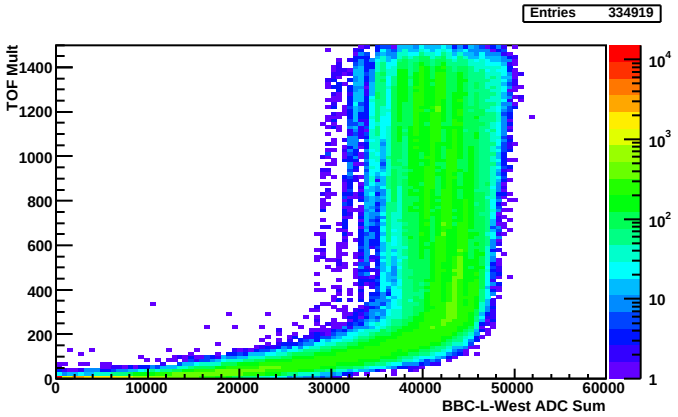

BBQ-VP003 (HI threshold)
Entries 5358704
ADC
QT Input Channel

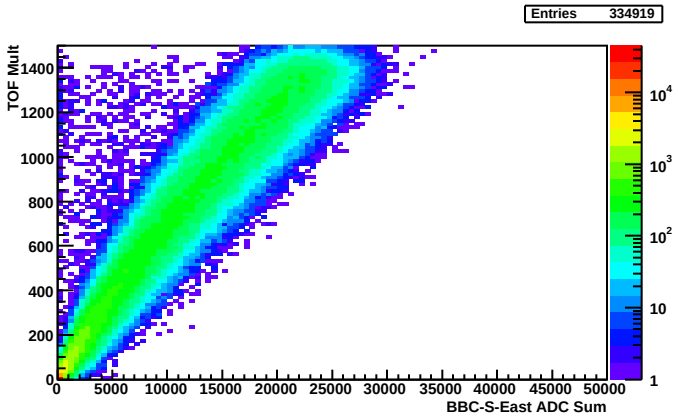

BBQ-VP003 (HI threshold)
Entries 5358704
TAC
QT Input Channel

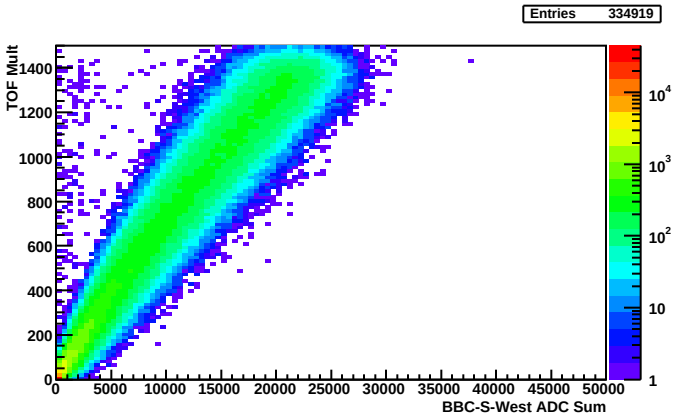

BBQ-VP004 (HI threshold)
Entries 5358704
ADC
QT Input Channel

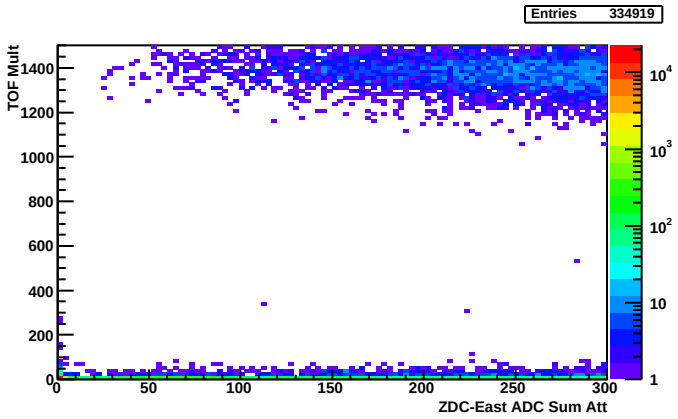

BBQ-VP004 (HI threshold)
Entries 5358704
TAC
QT Input Channel

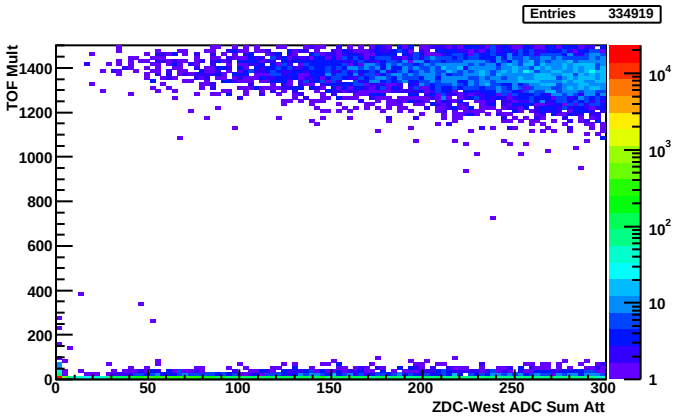

Entries 334919
TOF Mult
BBC-L-East ADC Sum

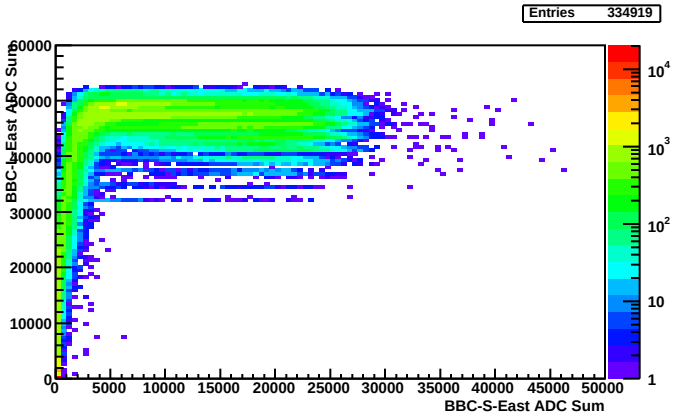

Entries 334919
TOF Mult
BBC-L-West ADC Sum

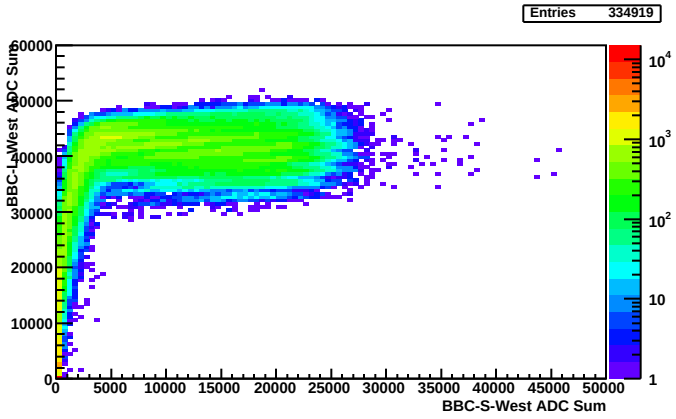

Entries 334919
TOF Mult
BBC-S-East ADC Sum

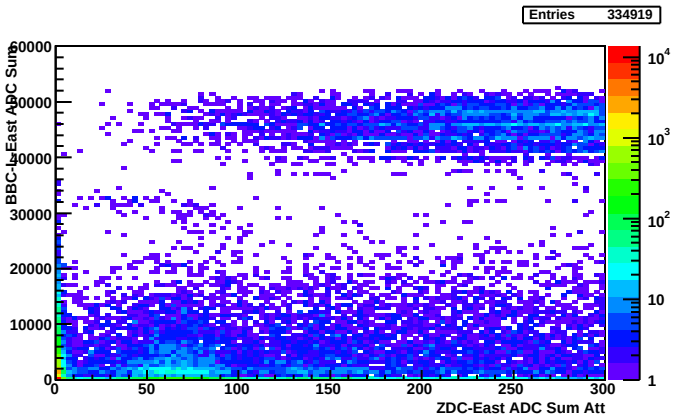

Entries 334919
TOF Mult
BBC-S-West ADC Sum

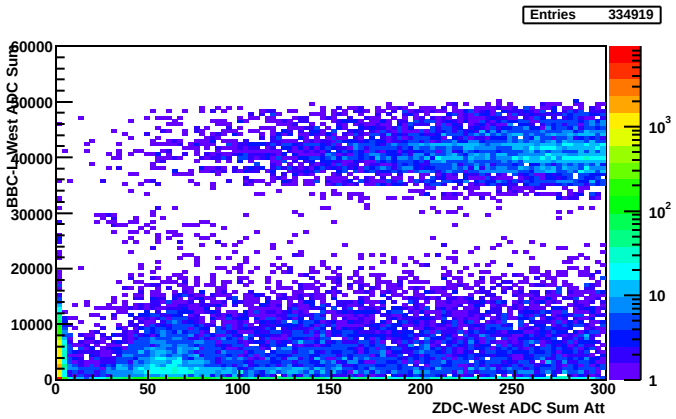

Entries 334919
TOF Mult
ZDC-East ADC Sum Att


Entries 334919
TOF Mult
ZDC-West ADC Sum Att


Entries 334919
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 334919
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 334919
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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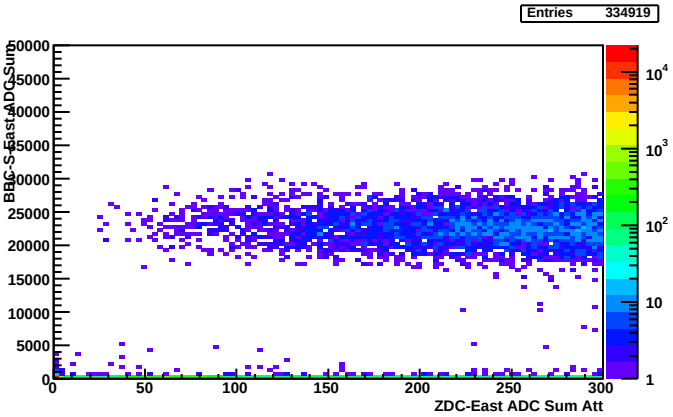
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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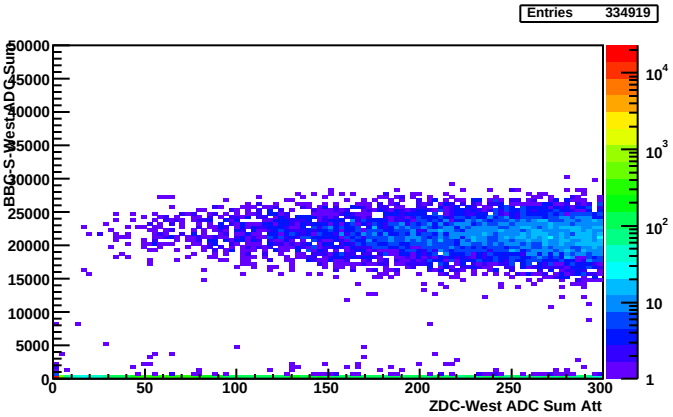
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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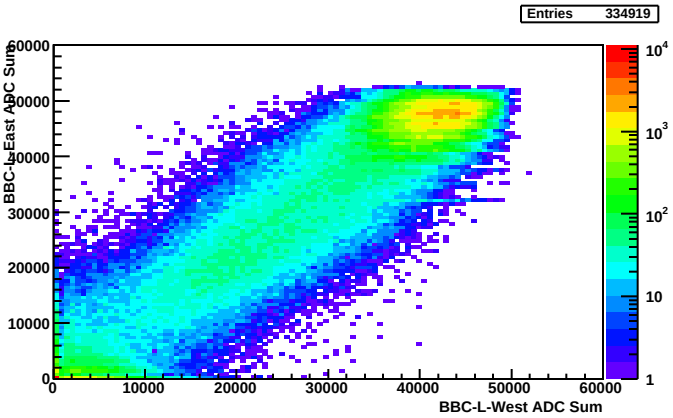
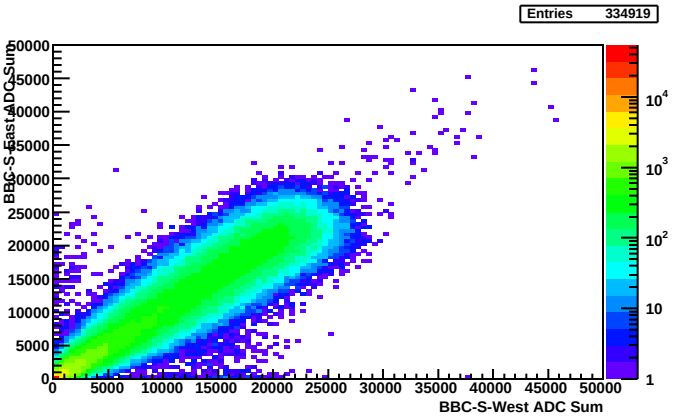
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 334919
BBC-L-East ADC Sum
BBC-L-West ADC Sum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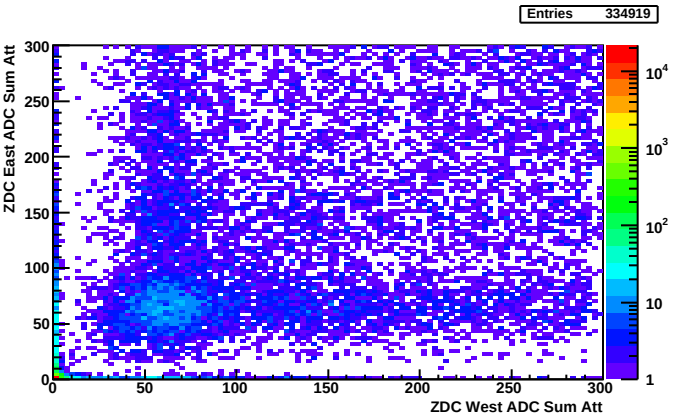
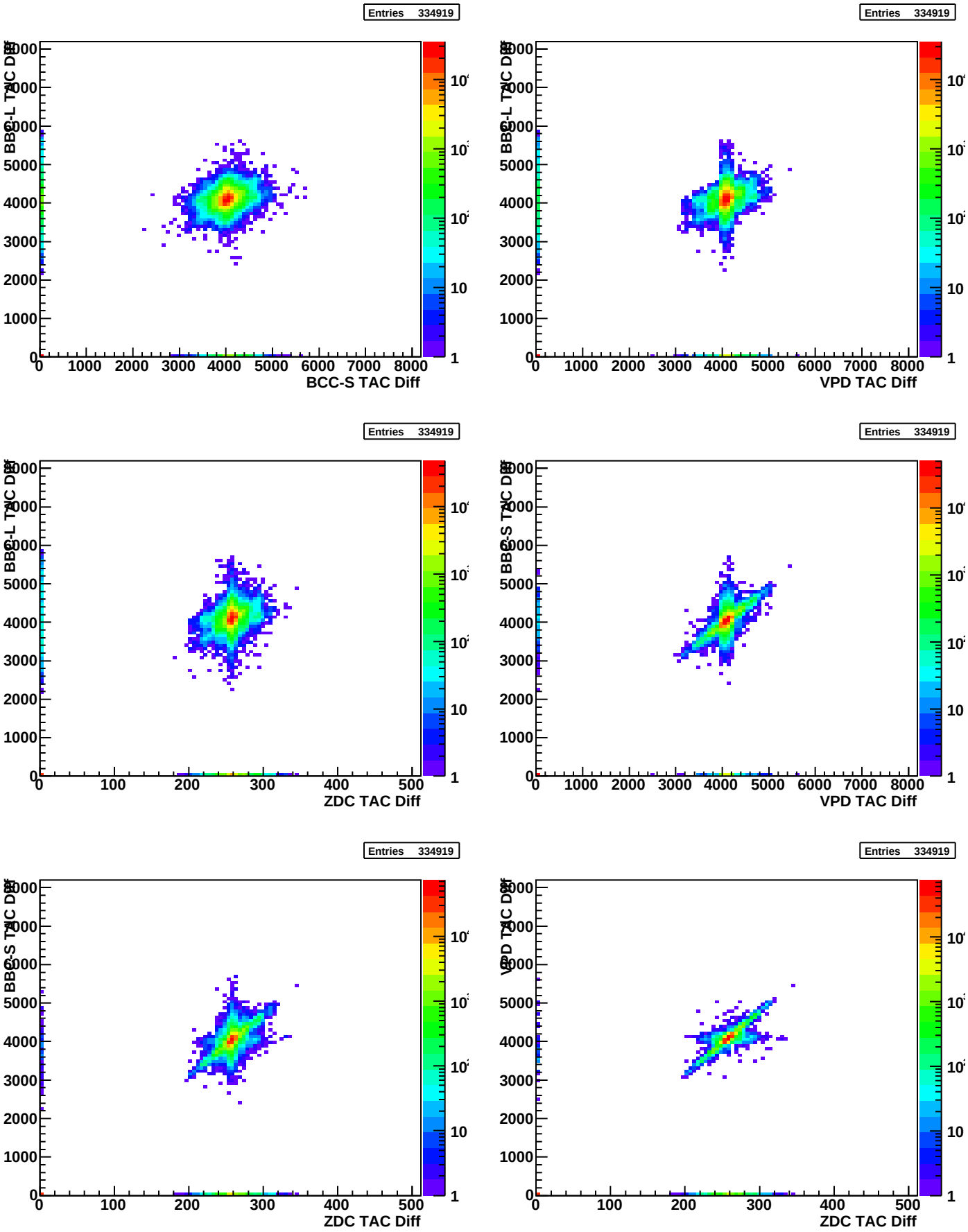
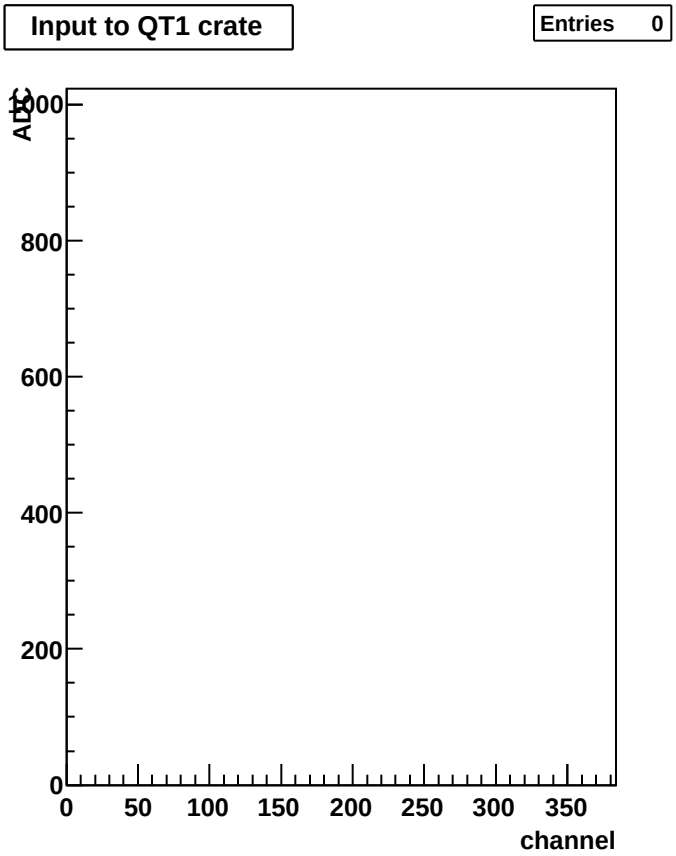
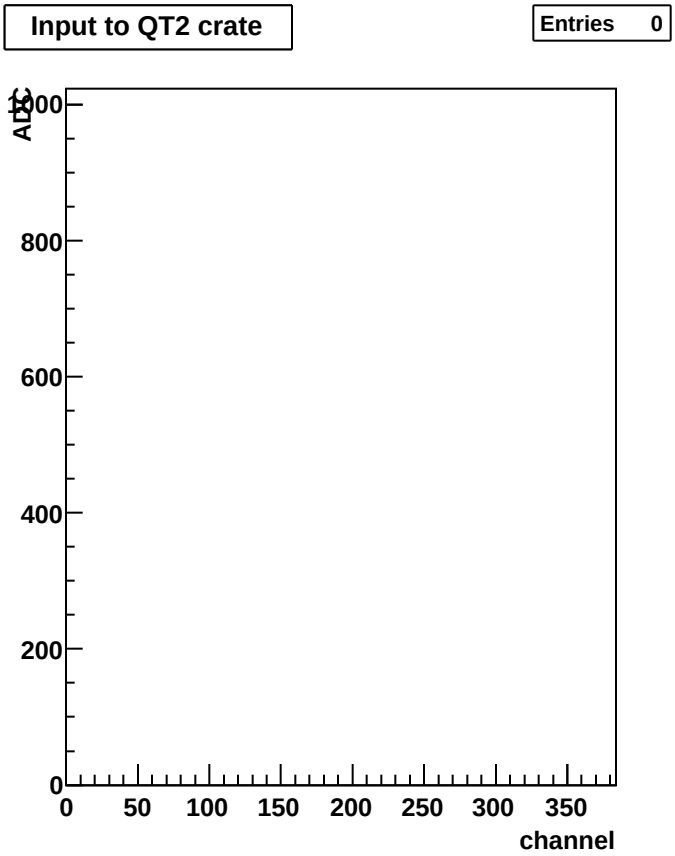
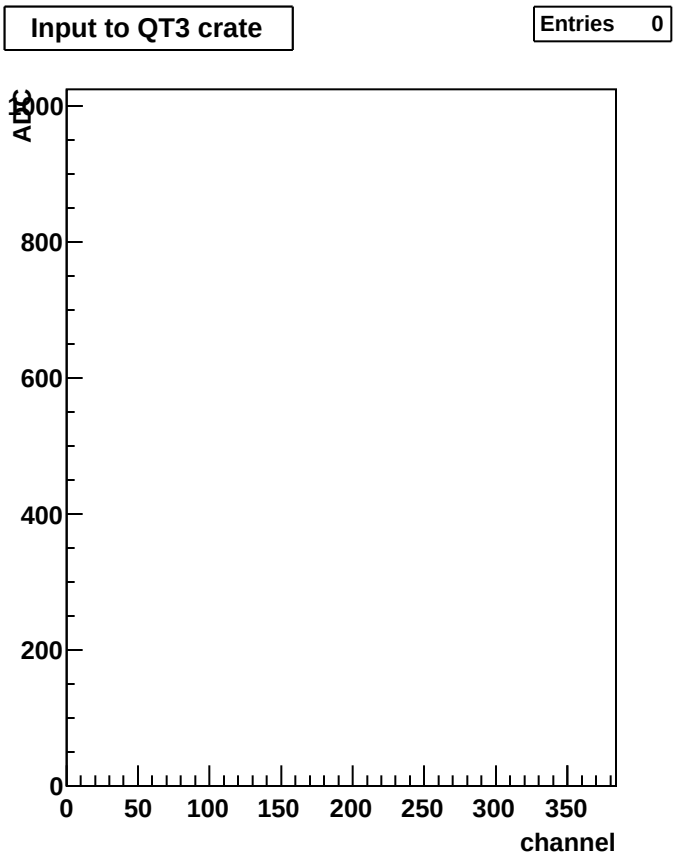
BBC-S-East ADC Sum
BBC-S-West ADC Sum

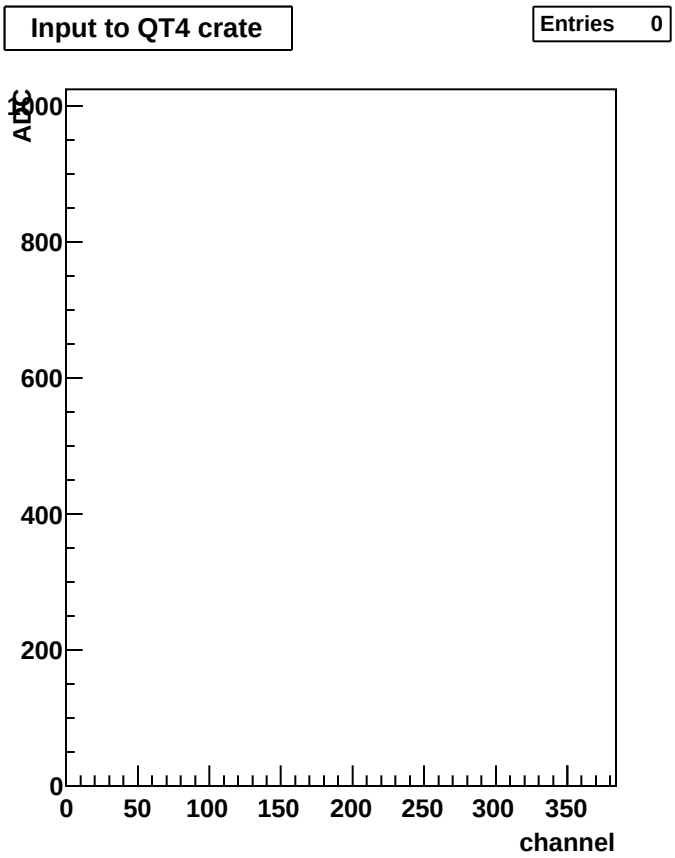

Entries 334919
ZDC East ADC Sum Att
ZDC West ADC Sum Att

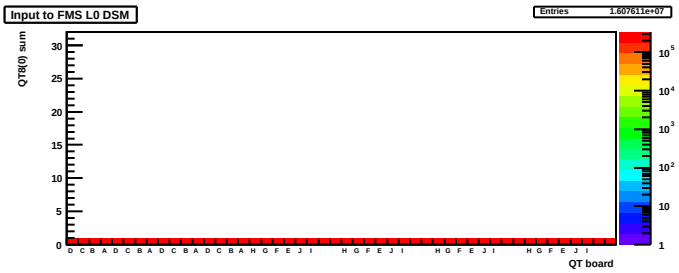

Entries 334919
BBC-L TAC Diff
BCC-S TAC Diff
Entries 334919
BBC-L TAC Diff
VPD TAC Diff
Entries 334919
BBC-L TAC Diff
ZDC TAC Diff
Entries 334919
BBC-S TAC Diff
VPD TAC Diff
Entries 334919
BBC-S TAC Diff
ZDC TAC Diff
Entries 334919
VPD TAC Diff
ZDC TAC Diff

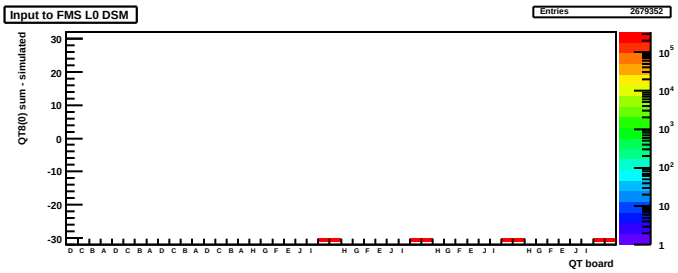

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

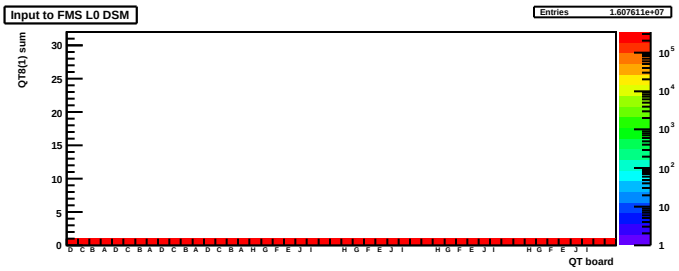

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

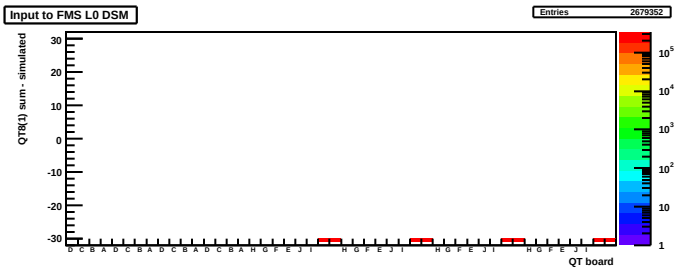

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

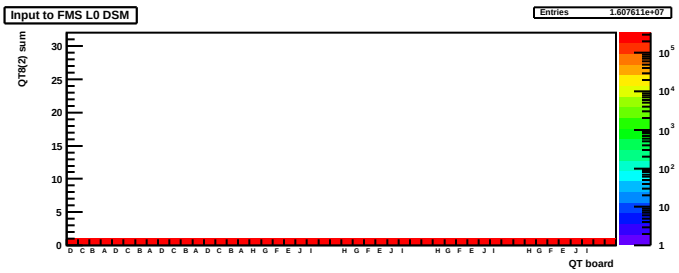

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

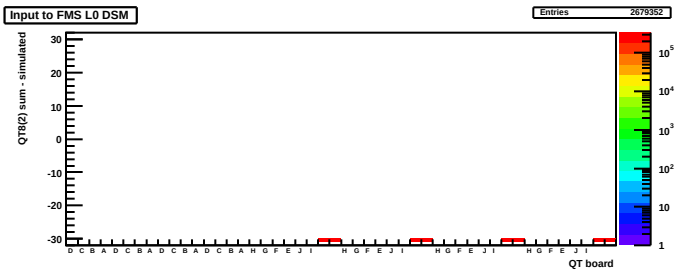

Input to FMS L0 DSM
Entries 1.607611e+07
QT8(0) sum
QT board

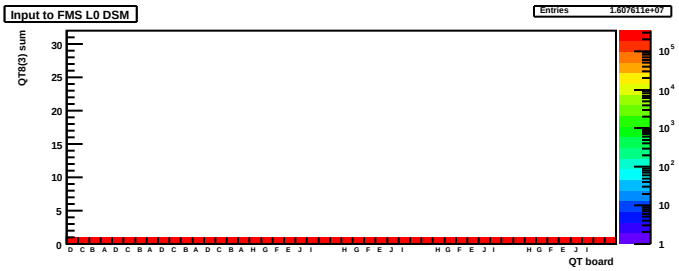

Input to FMS L0 DSM
Entries 2679352
QT8(0) sum - simulated
QT board

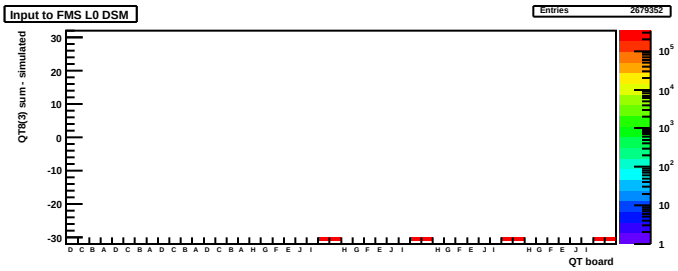

Input to FMS L0 DSM
Entries 1.607611e+07
QT8(1) sum
QT board

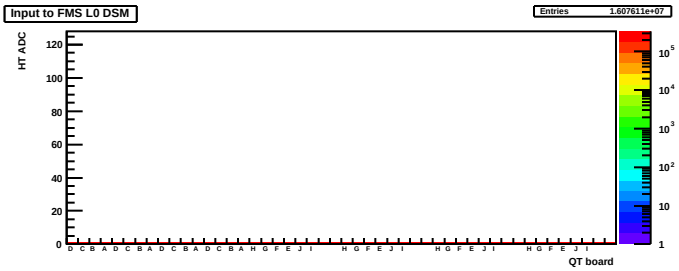

Input to FMS L0 DSM
Entries 2679352
QT8(1) sum - simulated
QT board

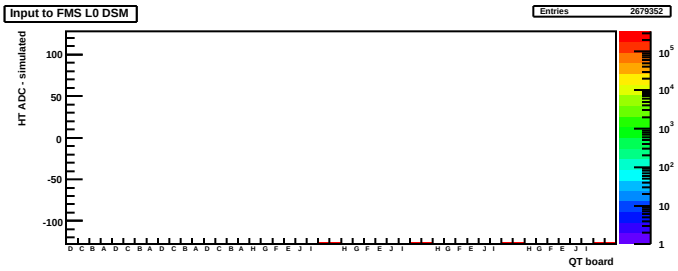

Input to FMS L0 DSM
Entries 1.607611e+07
QT8(2) sum
QT board

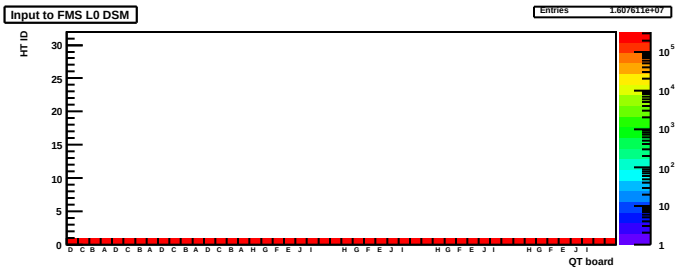

Input to FMS L0 DSM
Entries 2679352
QT8(2) sum - simulated
QT board

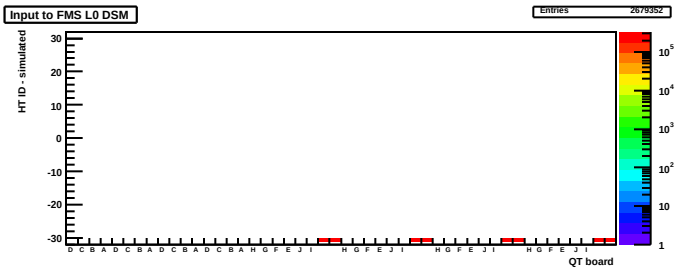

Input to FMS L0 DSM
Entries 1.607611e+07
QT8(3) sum
QT board

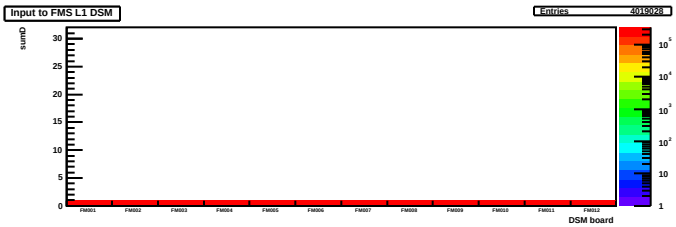

Input to FMS L0 DSM
Entries 2679352
QT8(3) sum - simulated
QT board

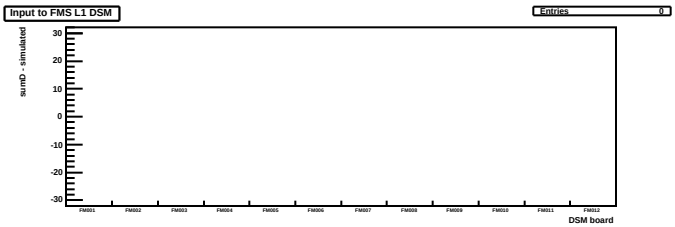

Input to FMS L0 DSM
Entries 1.607611e+07
HT ADC
QT board

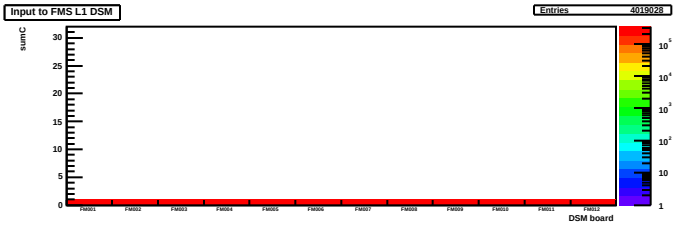

Input to FMS L0 DSM
Entries 2679352
HT ADC - simulated
QT board

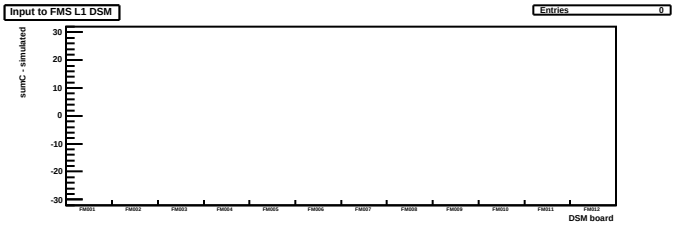

Input to FMS L0 DSM
Entries 1.607611e+07
HT ID
QT board

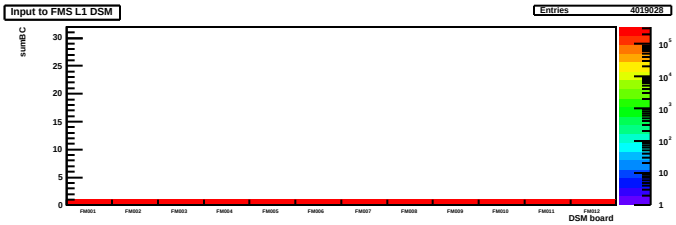

Input to FMS L0 DSM
Entries 2679352
HT ID - simulated
QT board

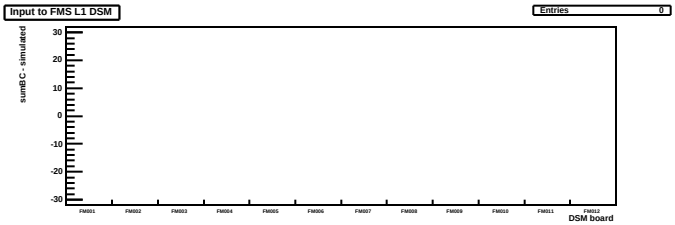

Input to FMS L1 DSM
Entries 4019028
sumD
DSM board

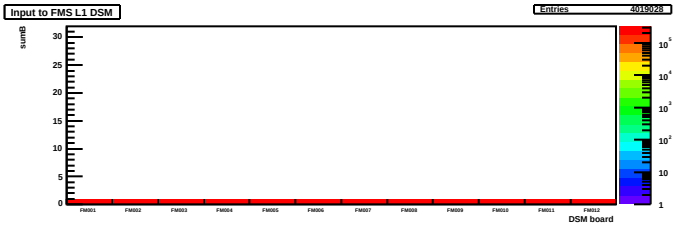

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

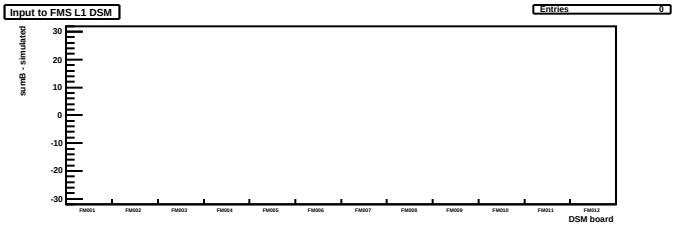

Input to FMS L1 DSM
Entries 4019028
sumC
DSM board

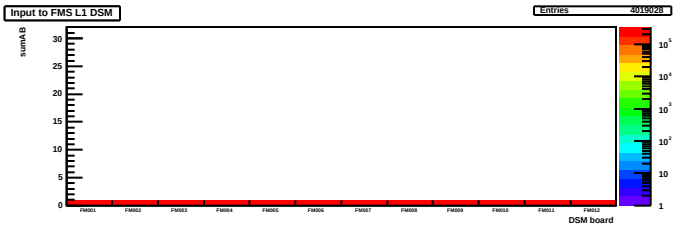

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

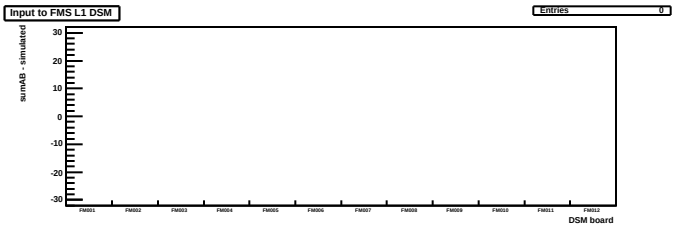

Input to FMS L1 DSM
Entries 4019028
sumBC
DSM board

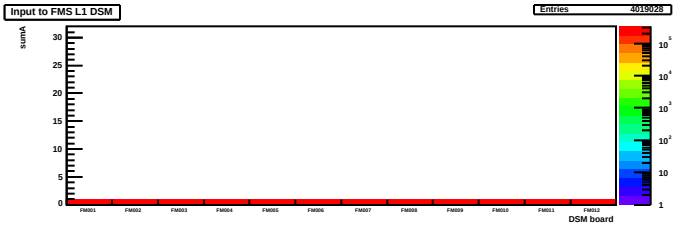

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

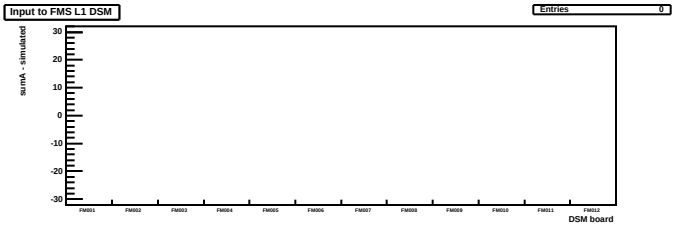

Input to FMS L1 DSM
Entries 4019028
sumB
DSM board

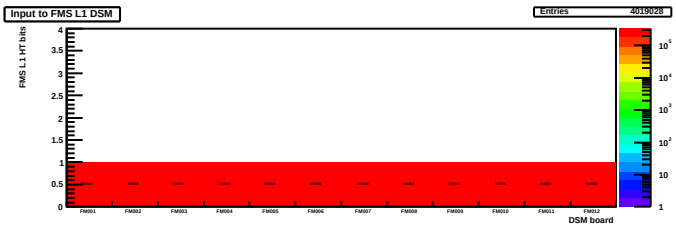

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

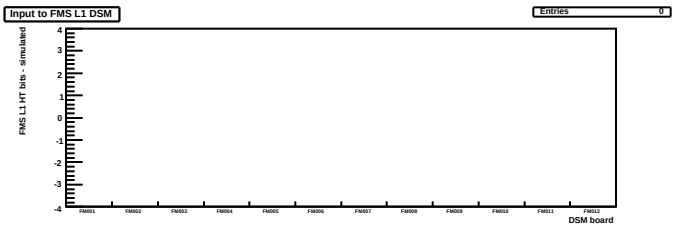

Input to FMS L1 DSM
Entries 4019028
sumAB
DSM board

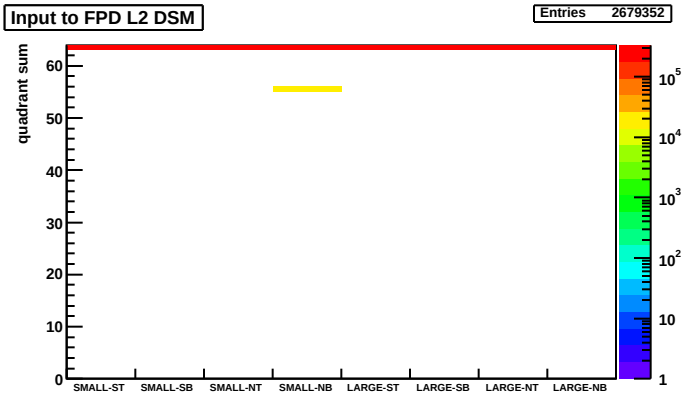

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

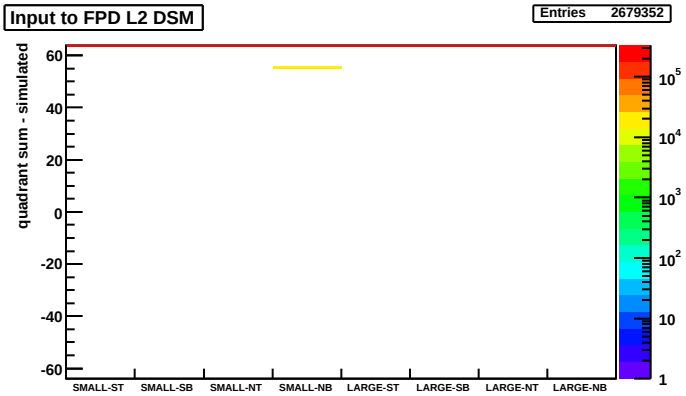

Input to FMS L1 DSM
Entries 4019028
sumA
DSM board

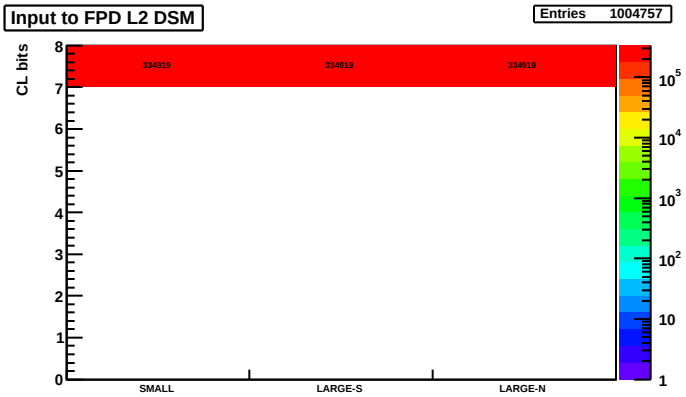

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

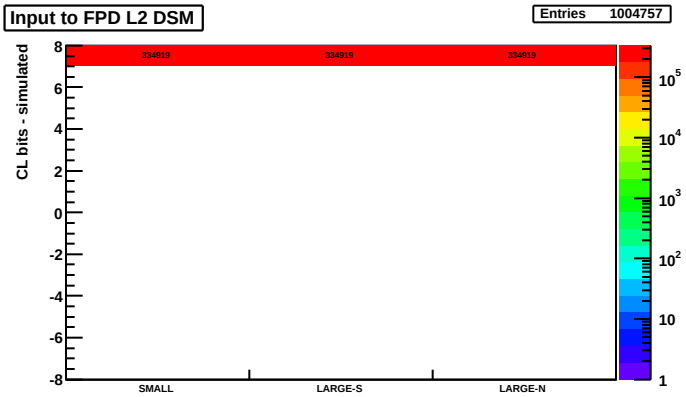

Input to FMS L1 DSM
Entries 4019028
FMS L1 HT bits
DSM board

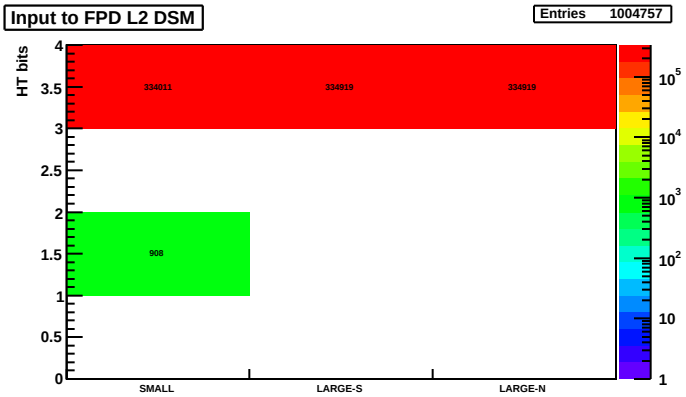

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

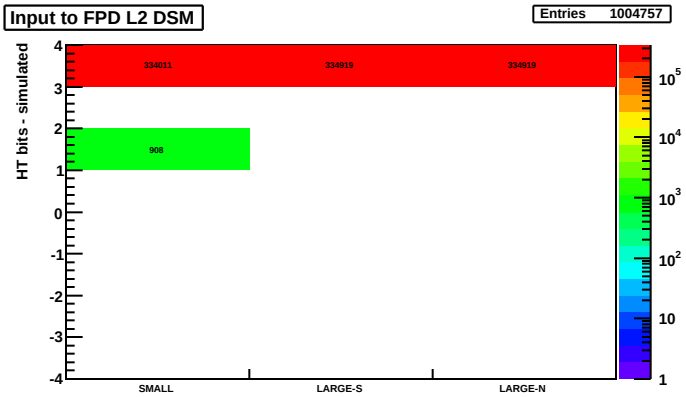

Input to FPD L2 DSM
Entries 2679352
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

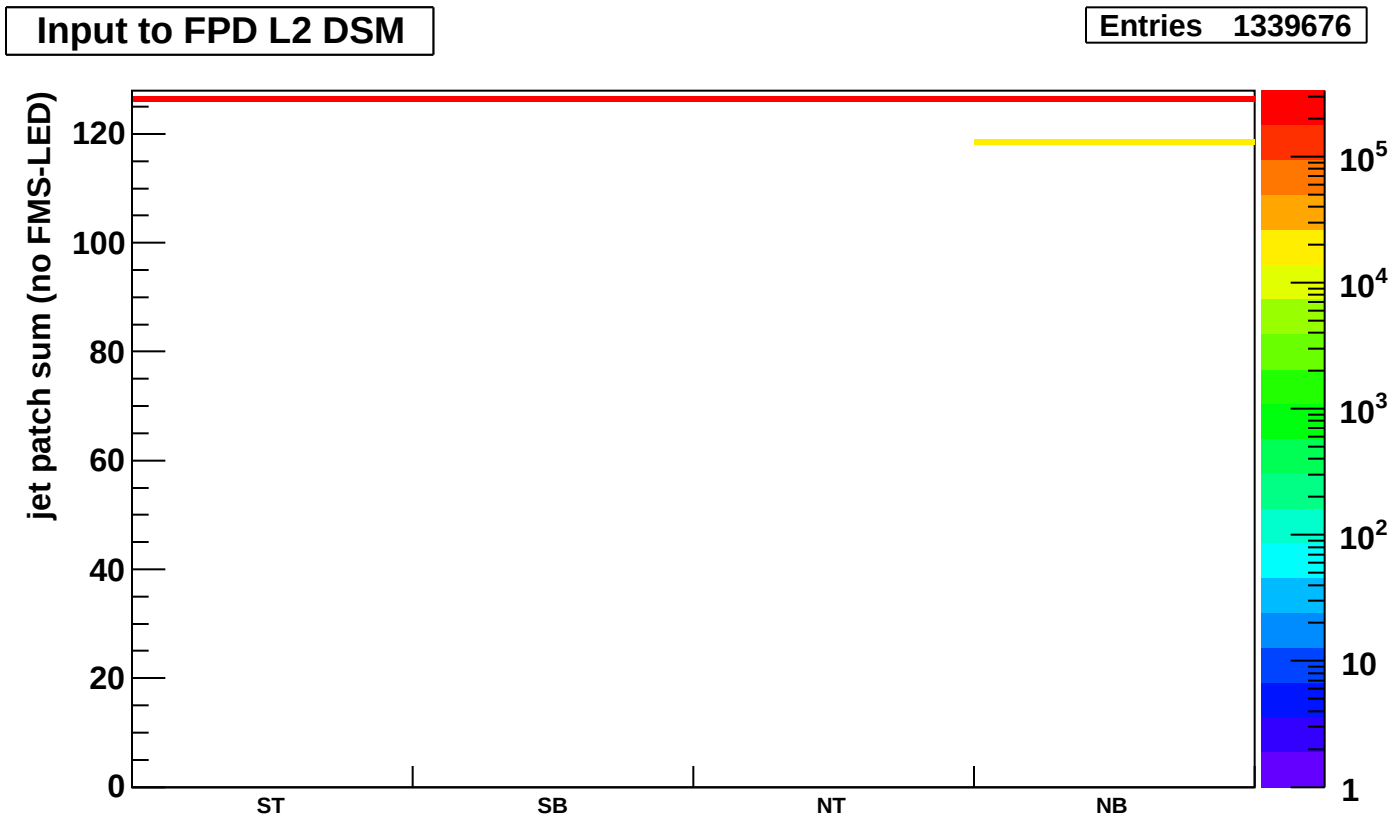

Input to FPD L2 DSM
Entries 2679352
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

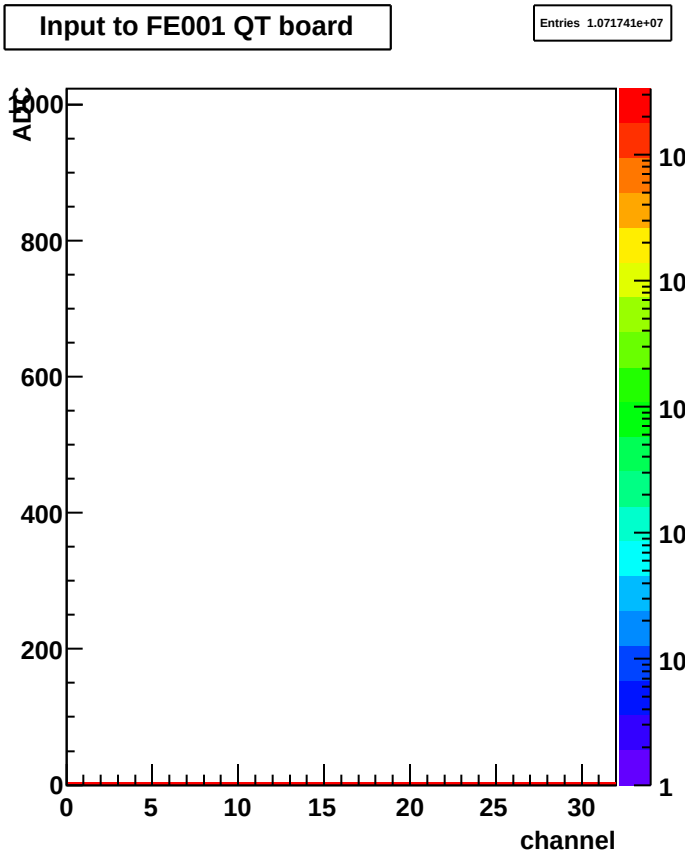

Input to FPD L2 DSM
Entries 1004757
CL bits
334919
334919
334919
SMALL
LARGE-S
LARGE-N

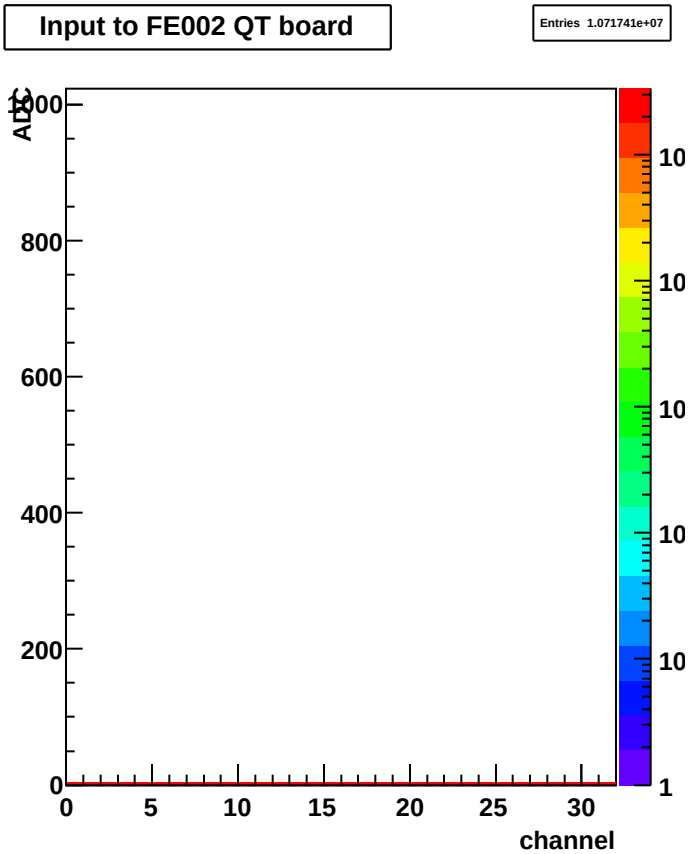

Input to FPD L2 DSM
Entries 1004757
CL bits - simulated
334919
334919
334919
SMALL
LARGE-S
LARGE-N

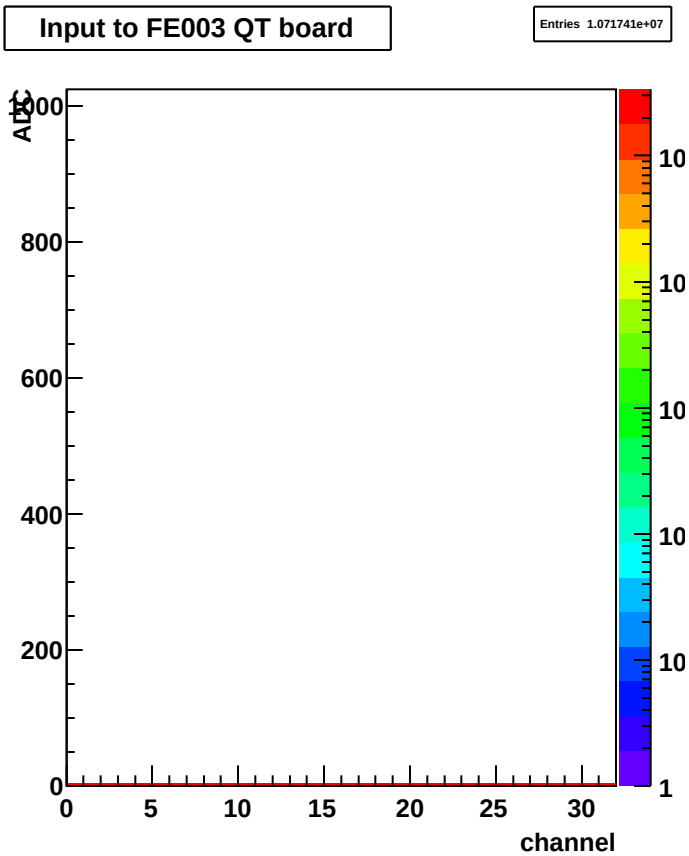

Input to FPD L2 DSM
Entries 1004757
HT bits
334011
334919
334919
908
SMALL
LARGE-S
LARGE-N

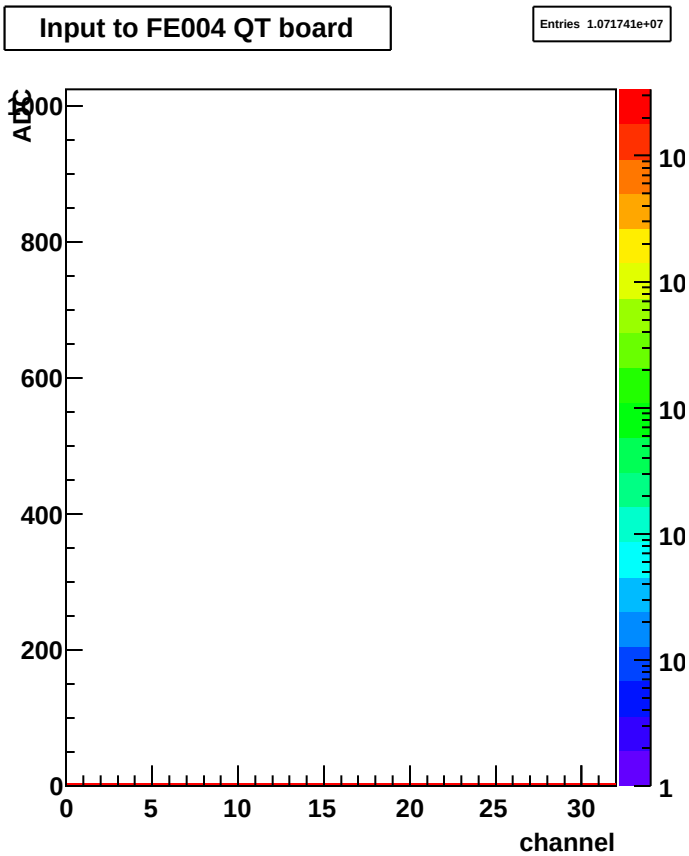

Input to FPD L2 DSM
Entries 1004757
HT bits - simulated
334011
334919
334919
908
SMALL
LARGE-S
LARGE-N

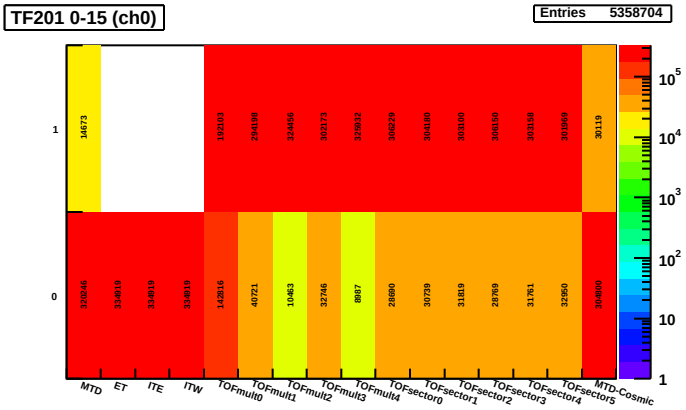

Input to FPD L2 DSM
Entries 1339676
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

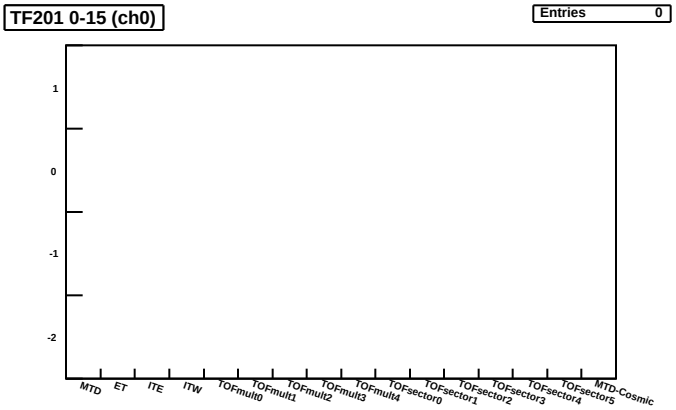

Input to FE001 QT board
Entries 1.071741e+07
ADC
channel

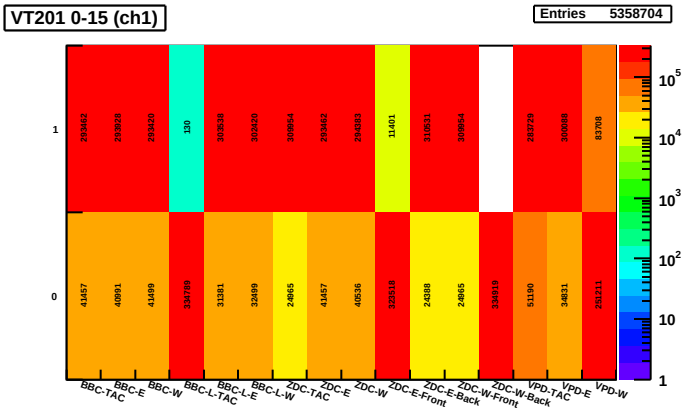

Input to FE002 QT board
Entries 1.071741e+07
ADC
channel

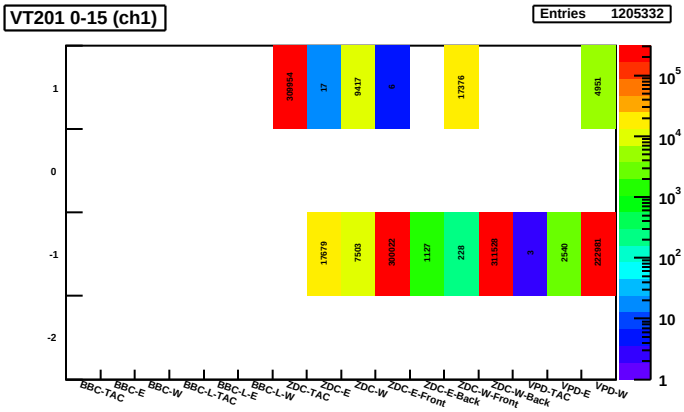

Input to FE003 QT board
Entries 1.071741e+07
ADC
channel

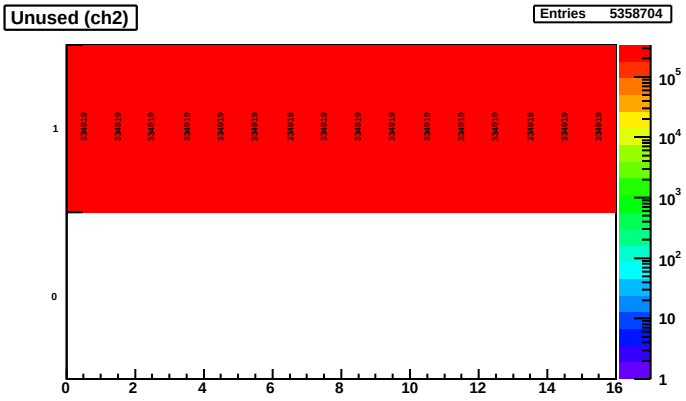

Input to FE004 QT board
Entries 1.071741e+07
ADC
channel

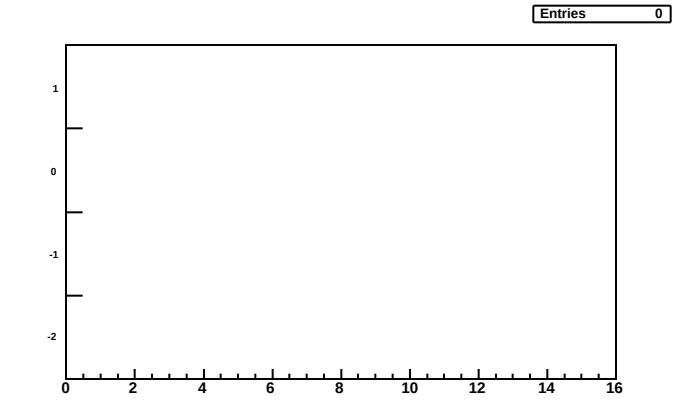

TF201 0-15 (ch0)
Entries 5358704
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

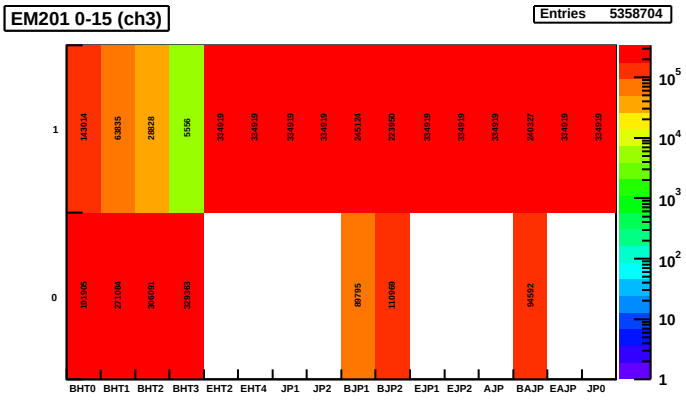

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

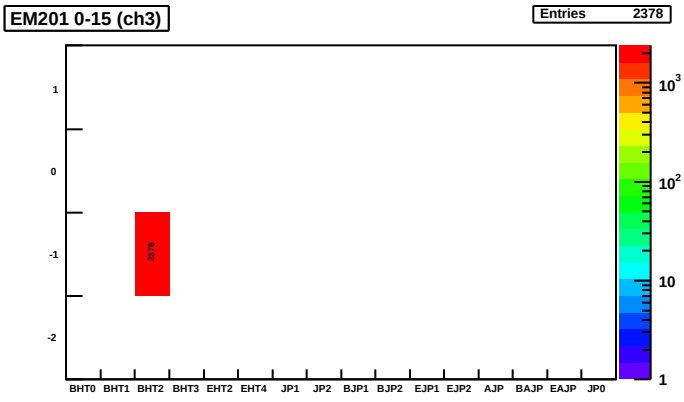

VT201 0-15 (ch1)
Entries 5358704
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1205332
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

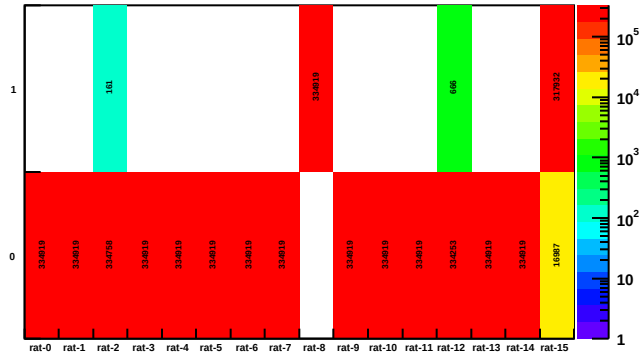

Unused (ch2)
Entries 5358704

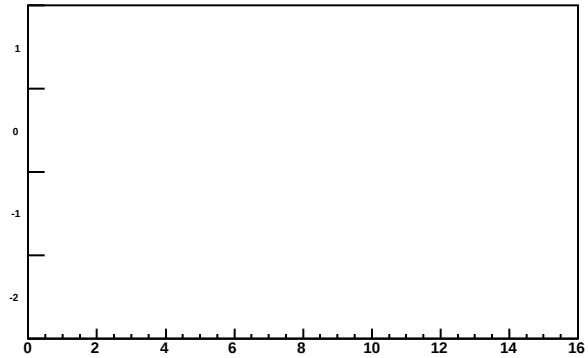

Entries 0


EM201 0-15 (ch3)
Entries 5358704
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

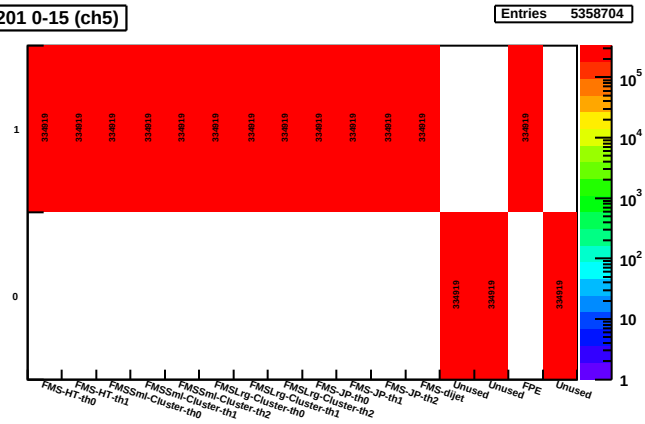

EM201 0-15 (ch3)
Entries 2378
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

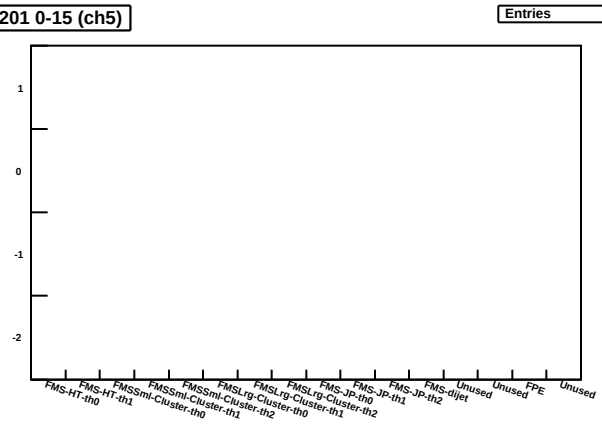




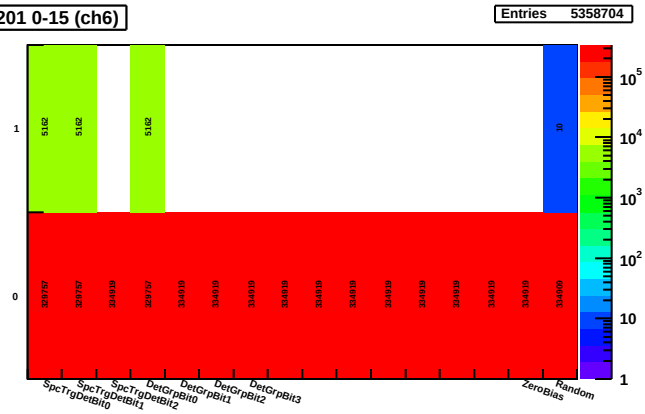
FP201 0-15 (ch5)

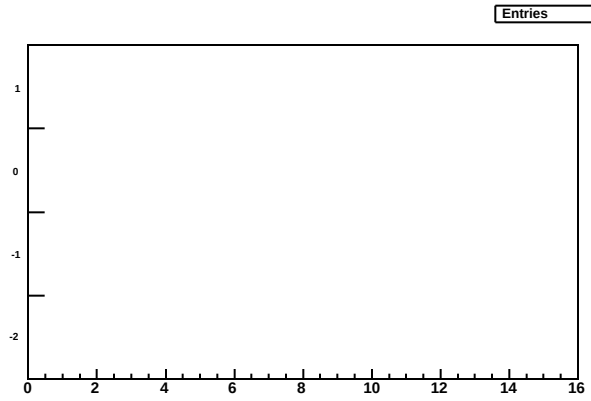
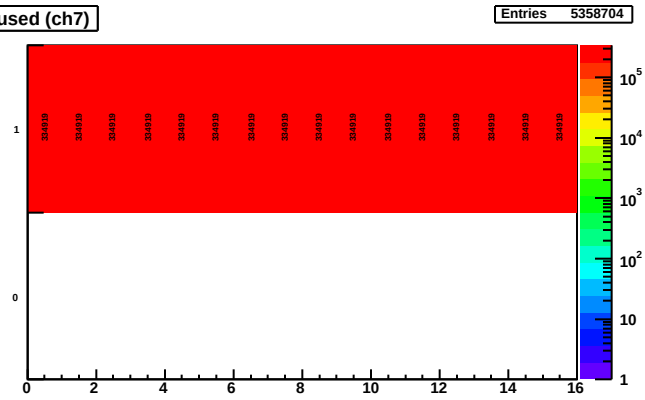
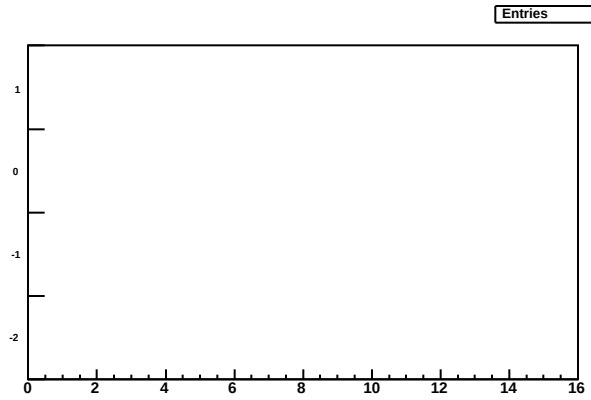


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)